Groundwater Monitoring 2026 Semiannual Report

for Compliance with the Michigan Part 115 CCR Solid Waste Regulations

Former Erickson Power Station

Lansing Board of Water & Light

July 28, 2026

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1.0 Introduction

The U.S. Environmental Protection Agency's (EPA) final Coal Combustion Residuals (CCR) Rule 40 CFR §257 and Michigan's Part 115 Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451 (Part 115), establishes a comprehensive set of requirements for the management and disposal of CCR (or coal ash) in surface impoundments by electric utilities. The former Erickson Power Station (Erickson or Site) was an electrical power generation facility located at 3725 South Canal Road in Delta Township, Eaton County, Michigan owned and operated by Lansing Board of Water & Light (BWL) (**Figure 1**). Erickson contained a single coal-fired generator that was capable of producing 165 megawatts of electricity. It ceased operations in November 2022. Erickson had three CCR impoundments: the Forebay, Retention Basin, and Clear Water Pond (CWP) (**Figure 2**). The three CCR impoundments were physically closed by removal of CCR in 2024, with ongoing groundwater monitoring.

The BWL former CCR surface impoundments, Forebay, Retention Basin, and CWP, are not licensed under Part 115 because Michigan Department of Environment, Great Lakes, and Energy (EGLE) denied BWL's permit application; however, BWL continues to work with EGLE and submits compliance documentation for EGLE as if the impoundments were permitted under an operating permit. BWL implements both the federal and state compliance groundwater monitoring programs concurrently to comply with both the federal CCR Rule and Part 115 solid waste regulations. The Part 115 permit requirements include approval of a Hydrogeologic Monitoring Plan (HMP). The current HMP was approved by EGLE and describes the monitoring network, sampling and analysis plan, and data validation and statical procedures for the monitoring program to comply with Part 115 solid waste rules (HDR, 2024c).

BWL completed numerous tasks between January and June 2026 to characterize the impact to groundwater and progress toward selecting a remedy for corrective action. In the first half of 2026, BWL completed the following tasks listed below:

- Updated the Hydrogeologic Monitoring Plan.
- Completed a subsurface utility exploration (SUE) survey to document underground utilities for use in remediation feasibility planning.
- Performed Tier I and II Evaluations for Monitored Natural Attenuation (MNA) of the site contaminants of concern related to the former CCR surface impoundments.
- Completed soil and groundwater sampling and completed bench tests to evaluate the treatability of groundwater in-situ via potential reagents.
- Completed the first semiannual assessment monitoring event and subsequent analysis in February 2026.
- Performed sampling and analysis for higher frequency background monitoring for newly installed monitoring wells MW-19 series and multi-level wells and MW-7D.
- Updated the numerical groundwater flow and transport model and ran remediation alternatives simulations.
- Developed a draft Remediation Alternatives Feasibility Study.

This Semiannual Groundwater Monitoring Report presents these activities, and the sampling and analysis completed in the first half of 2026.

2.0 Facility Description

Erickson was an electrical power generation facility located at 3725 South Canal Road in Delta Township, Eaton County, Michigan, owned and operated by the Lansing Board of Water & Light (BWL) (**Figure 1**). During active operations, a single coal-fired generator was capable of producing 165 megawatts of electricity and CCR was stored in dewatering tanks (hydro-bins). After the majority of the CCR was removed from the waste stream at the hydro-bins, flow was discharged into three former CCR impoundments in sequence: the Forebay, Retention Basin, and Clear Water Pond (CWP) (**Figure 2**).

Erickson ceased coal-fired power generation operations on November 27, 2022. The plant pipelines were washed down and CCR waste disposal ceased to the CCR impoundments on December 29, 2022. The non-CCR stormwater flow to the impoundments ceased January 3, 2023. A CCR removal contractor was selected and mobilized to the site in February 2023 to begin dewatering operations for the three impoundments. The water removed from the surface impoundments was treated onsite, monitored, and discharged into nearby Lake Delta in compliance with a National Pollutant Discharge Elimination System (NPDES) permit. Coal ash and liner material was removed and transported offsite to Granger Wood Street Landfill from all three impoundments. Ash removal verification efforts for the Forebay, Retention Basin, and CWP were completed and the removal activities are documented within the CCR Removal Report published on November 4, 2024 and approved by EGLE on November 8, 2024.

Figure 1. Vicinity Map for the former Erickson Power Station

Figure 2. Former Erickson Power Station Facility Layout

2.1 Hydrogeology

The three former CCR impoundments at Erickson are in areas underlain with unconsolidated clay, silt, sand, and gravel of glacial origin that rest upon approximately 10,000 feet of consolidated bedrock sediments composed of limestone, shale, siltstone, sandstone, salt, and gypsum. Depth to the uppermost groundwater under the impoundments is determined to be approximately 2 to 17 feet below surface. The bedrock surface is between 36 and 61 feet below surface and the upper glacial aquifer thickness is between 25 and 53 feet thick. The groundwater flow direction is east directly under the former CCR impoundments and has a consistent flow direction throughout the year (**Appendix A**). Further east, closer to Creyts Road, the groundwater flow direction is west, towards the wetland along the BWL eastern property boundary. Groundwater flow turns towards the north following Carrier Creek, consistent with the Carrier Creek Subwatershed topography. The glacial and bedrock aquifers follow the same flow directions (**Appendix A**).

2.2 Monitoring Well Network

The certified monitoring system for the former CCR impoundments includes the following wells (**Figure 3**):

- Glacial aquifer background (upgradient) wells: MW-1, MW-4, MW-11, and MW-12.
- Glacial aquifer waste boundary compliance wells: MW-2, MW-5, MW-6, and MW-14.

2.2.1 Additional Wells

The certified groundwater monitoring system includes additional wells installed to characterize the aquifer and evaluate groundwater further downgradient of the impoundments in response to identification of concentrations of constituents at statistically significant levels (SSLs) over groundwater protection standards (GPS) in the impoundment compliance wells (**Figure 3**):

- Glacial aquifer wells: MW-7, MW-7C, MW-8, MW-9, MW-10, MW-13, MW-15, MW-16A, MW-16B, MW-17A, MW-17B, MW-17C, MW-18A, MW-18B, MW-19A, MW-19B, MW-100A, MW-100B.
- Bedrock aquifer background (upgradient) wells: MW-11B, MW-12B
- Bedrock aquifer wells: MW-7B, MW-7D, MW-16C, MW-16D, MW-17D, MW-17E, MW-18C, MW-18D, MW-19C, MW-19D, MW-100C, and MW-100D
- Wells included for water level only: MW-20

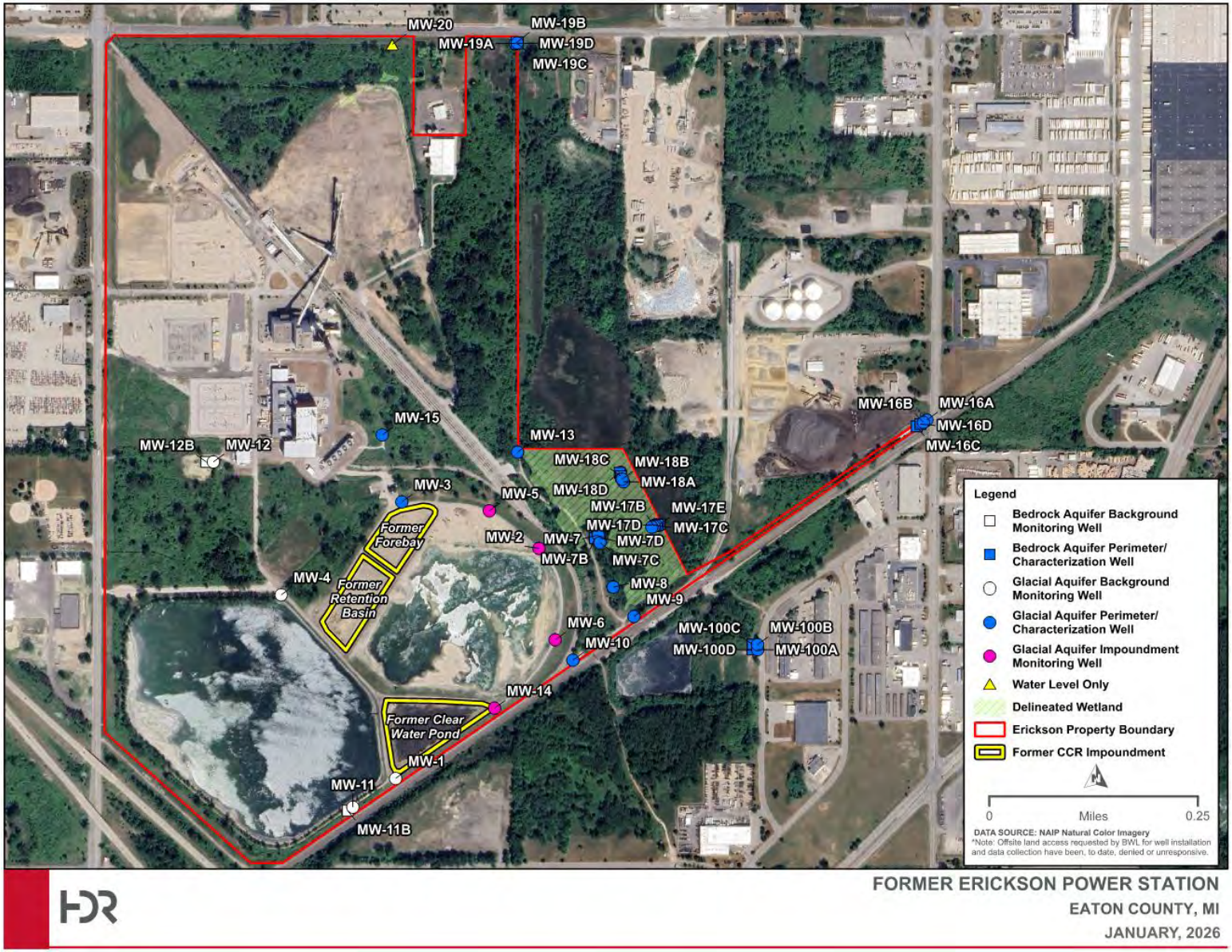


Figure 3. Former Erickson Station CCR Units and Monitoring Wells

3.0 Monitoring

3.1 Frequency

Table 1 provides the well identification number, well location, and the dates and purpose of the samples collected. Assessment monitoring for Erickson in the first half of 2026 was conducted in February.

In May 2025, four new monitoring wells (MW-19 series A-D) and a piezometer to validate the groundwater contours for the site (MW-20) were installed. Well MW-7D was installed in September 2025 to monitor conditions in the bedrock aquifer. As new wells are added to the monitoring system, they are initially sampled on a 5-week frequency for a total of eight rounds to establish background in each well per §257.94(b). This expedited frequency develops the statistical strength recommended before using the data in the semiannual sampling events, provided the evaluation of the data for autocorrelation is acceptable. After the initial eight sampling events are completed, semiannual sampling aligns with the above sampling schedule. The eighth sampling event for MW-19 series wells was completed in January 2026 and the eighth sampling event for well MW-7D was completed in June 2026.

Additional sampling events for 2026 included the collection of additional groundwater samples from select wells to further assess the MNA remedial alternative.

Table 1. Dates of Groundwater Samples Collected for each Well in 2026 and Monitoring Purpose for the Erickson Impoundments

Monitoring Well I.D.	Well Location	Aquifer Monitored	Dates Monitored	Monitoring Purpose
MW-1	Background/ Upgradient	Glacial	February 4, 2026	Assessment Monitoring
MW-2	Downgradient	Glacial	January 6, 2026	MNA Data Collection
			February 10, 2026	Assessment Monitoring and MNA Data Collection
			March 17, 2026	MNA Data Collection
MW-3	Cross-Gradient	Glacial	January 6, 2026	MNA Data Collection
			February 10, 2026	Assessment Monitoring and MNA Data Collection
			March 17, 2026	MNA Data Collection
MW-4	Background/ Upgradient	Glacial	February 4, 2026	Assessment Monitoring
MW-5	Downgradient	Glacial	January 7, 2026	MNA Data Collection
			February 11, 2026	Assessment Monitoring and MNA Data Collection
			March 18, 2026	MNA Data Collection
MW-6	Downgradient	Glacial	January 8, 2026	MNA Data Collection
			February 10, 2026	Assessment Monitoring and MNA Data Collection
			March 17, 2026	MNA Data Collection
MW-7	Downgradient	Glacial	January 6, 2026	Assessment Monitoring
			February 11, 2026	Assessment Monitoring and MNA Data Collection
			March 17, 2026	MNA Data Collection
			April 21, 2026	Assessment Monitoring (Resample)
MW-7B	Downgradient	Bedrock	February 5, 2026	Assessment Monitoring
MW-7C	Downgradient	Glacial	January 7, 2026	MNA Data Collection
			February 10, 2026	Assessment Monitoring and MNA Data Collection
			March 17, 2026	MNA Data Collection

Monitoring Well I.D.	Well Location	Aquifer Monitored	Dates Monitored	Monitoring Purpose
MW-7D (installed September 10, 2025)	Downgradient	Bedrock	January 7, 2026	MNA Data Collection
			January 13, 2026	Background Monitoring
			February 11, 2026	MNA Data Collection
			February 17, 2026	Background Monitoring
			March 17, 2026	MNA Data Collection
			March 24, 2026 April 28, 2026 June 2, 2026*	Background Monitoring
MW-8	Downgradient	Glacial	February 5, 2026	Assessment Monitoring
MW-9	Downgradient	Glacial	February 5, 2026	Assessment Monitoring
MW-10	Downgradient	Glacial	February 4, 2026	Assessment Monitoring
MW-11	Background/ Upgradient	Glacial	February 4, 2026	Assessment Monitoring
MW-11B	Background/ Upgradient	Bedrock	February 4, 2026	Assessment Monitoring
MW-12	Background/ Upgradient	Glacial	January 7, 2026	MNA Data Collection
			February 10, 2026 February 11, 2026	Assessment Monitoring and MNA Data Collection
			March 17, 2026	MNA Data Collection
			April 21, 2026	Assessment Monitoring (Resample)
MW-12B	Background/ Upgradient	Bedrock	January 7, 2026	MNA Data Collection
			February 10, 2026	Assessment Monitoring and MNA Data Collection
			March 17, 2026	MNA Data Collection
MW-13	Downgradient	Glacial	February 4, 2026	Assessment Monitoring
MW-14	Downgradient	Glacial	January 6, 2026	MNA Data Collection
			February 11, 2026	Assessment Monitoring and MNA Data Collection
			March 17, 2026	MNA Data Collection

Monitoring Well I.D.	Well Location	Aquifer Monitored	Dates Monitored	Monitoring Purpose
MW-15	Downgradient	Glacial	February 5, 2026	Assessment Monitoring
MW-16A	Downgradient	Glacial	February 9, 2026	Assessment Monitoring
MW-16B	Downgradient	Glacial	February 9, 2026	Assessment Monitoring
MW-16C	Downgradient	Bedrock	February 9, 2026	Assessment Monitoring
MW-16D	Downgradient	Bedrock	February 9, 2026	Assessment Monitoring
MW-17A	Downgradient	Glacial	January 6, 2026	MNA Data Collection
			February 10, 2026	Assessment Monitoring and MNA Data Collection
			March 17, 2026[1]	MNA Data Collection
MW-17B	Downgradient	Glacial	January 6, 2026	MNA Data Collection
			February 10, 2026	Assessment Monitoring and MNA Data Collection
			March 17, 2026[1]	MNA Data Collection
MW-17C	Downgradient	Glacial	January 6, 2026	MNA Data Collection
			February 10, 2026	Assessment Monitoring and MNA Data Collection
			March 17, 2026[1]	MNA Data Collection
MW-17D	Downgradient	Bedrock	January 6, 2026	MNA Data Collection
			February 10, 2026	Assessment Monitoring and MNA Data Collection
			March 17, 2026[1]	MNA Data Collection
MW-17E	Downgradient	Bedrock	January 6, 2026	MNA Data Collection
			February 10, 2026	Assessment Monitoring and MNA Data Collection
			March 17, 2026[1]	MNA Data Collection
MW-18A	Downgradient	Glacial	January 7, 2026	MNA Data Collection
			February 4, 2026	Assessment Monitoring
			February 11, 2026 March 17, 2026	MNA Data Collection
MW-18B	Downgradient	Glacial	January 7, 2026	MNA Data Collection
			February 4, 2026	Assessment Monitoring
			February 11, 2026 March 17, 2026[1] April 1, 2026	MNA Data Collection
MW-18C	Downgradient	Bedrock	January 7, 2026	MNA Data Collection

Monitoring Well I.D.	Well Location	Aquifer Monitored	Dates Monitored	Monitoring Purpose
			February 4, 2026	Assessment Monitoring
			February 11, 2026 March 17, 2026[1] April 1, 2026	MNA Data Collection
MW-18D	Downgradient	Bedrock	January 7, 2026	MNA Data Collection
			February 4, 2026	Assessment Monitoring
			February 11, 2026 March 17, 2026[1]	MNA Data Collection
MW-19A (installed May 1, 2025)	Downgradient	Glacial	January 7, 2026	MNA Data Collection
			January 13, 2026	Background Monitoring
			February 11, 2026	Assessment Monitoring and MNA Data Collection
			March 18, 2026	MNA Data Collection
MW-19B (installed May 1, 2025)	Downgradient	Glacial	January 7, 2026	MNA Data Collection
			January 13, 2026	Background Monitoring
			February 11, 2026	Assessment Monitoring and MNA Data Collection
			March 18, 2026	MNA Data Collection
MW-19C (installed April 30, 2025)	Downgradient	Bedrock	January 7, 2026	MNA Data Collection
			January 13, 2026	Background Monitoring
			February 11, 2026	Assessment Monitoring and MNA Data Collection
			March 18, 2026	MNA Data Collection
MW-19D (installed April 30, 2025)	Downgradient	Bedrock	January 7, 2026	MNA Data Collection
			January 13, 2026	Background Monitoring
			February 11, 2026	Assessment Monitoring and MNA Data Collection
			March 18, 2026	MNA Data Collection
MW-100A	Downgradient	Glacial	February 5, 2026	Assessment Monitoring
MW-100B	Downgradient	Glacial	February 5, 2026	Assessment Monitoring
MW-100C	Downgradient	Bedrock	February 5, 2026	Assessment Monitoring
MW-100D	Downgradient	Bedrock	February 5, 2026	Assessment Monitoring

[1]On this monitoring date, the monitoring location was scheduled for monitoring; however, the monitoring point was inaccessible due to ponded water and the well was unable to be sampled.

*Data analysis from these sample events are incomplete.

3.1.1 Water Levels and Sample Collection

Water levels were collected in each well following the Groundwater Level Monitoring Standard Operating Procedure (SOP) for Erickson (HDR, 2024b). Water levels were measured before purging the wells began. Wells were purged with a peristaltic pump until field parameters (pH, turbidity, conductivity, dissolved oxygen, temperature, and oxidation reduction potential) stabilized. The results of field measurements were recorded on a field data form, which is maintained as part of the field records. After field parameters stabilized, samples were collected and tested for the parameters listed in **Table 2**. For quality control, one field duplicate and one equipment blank sample were collected on each sampling date for each sampling event. Samples were shipped under Chain of Custody to Eurofins Laboratories of Cleveland, Ohio.

3.1.2 Analytical Testing

Samples collected for background monitoring and assessment monitoring events were analyzed for the parameters listed in **Table 2**. In addition to the required list in **Table 2**, on occasion, wells were analyzed for general water quality parameters including alkalinity, magnesium, potassium, and sodium.

Table 2. Constituents of Interest

Constituents for Assessment Monitoring	
Boron	Fluoride
Calcium	Iron
Chloride	Lead
Fluoride	Lithium
pH	Mercury
Sulfate	Molybdenum
Total Dissolved Solids (TDS)	Nickel
Antimony	Selenium
Arsenic	Silver
Barium	Thallium
Beryllium	Radium 226 and 228 combined
Cadmium	Vanadium
Chromium	Zinc
Cobalt	**Additional Parameters**
Copper	Total Suspended Solids (TSS)

3.1.3 Data Validation and Data Management

Data validation and data management tasks were performed per the Data Management and Statistical Procedures Plan for Compliance with the Coal Combustion Residuals Rule (HDR, 2020a). Data validation was conducted to eliminate data that did not meet validation criteria and designate a data qualifier for data quality limitation discovered.

Samples and quality control (QC) were reviewed and evaluated, and no samples were rejected. Quality Control analyses were within reportable limits; however, when QC was outside limit

controls, samples were reported as estimated. Field and laboratory precision and accuracy goals were nearly met for all samples analyzed. Where failures of field and laboratory precision and accuracy were outside of control limits, data was qualified as necessary. Data analyses required minimal qualifications, and data were usable, even when qualified. A summary table of the lab results may be found in **Appendix C**. Laboratory reports and data validation reports for the sampling completed between January and June 2026 may be found in **Appendix D.**

4.0 Monitoring Results

4.1 Water Levels and Groundwater Flow Direction

Water levels for the former Erickson Power Station are provided in **Table 4**. Groundwater beneath the area of the impoundments is between 852 to 876 feet amsl. Groundwater elevations fluctuate approximately 1 to 6 feet throughout the year and are higher in the spring and lower in the fall (**Figure 4**). Based on the potentiometric contours, the groundwater flow under the former CCR impoundments is generally east, however flow farther east of the wetlands at MW-16 appears to be flowing west, back towards the BWL property and then following the surface topography towards the north. Groundwater flows north under the wetland area within both the glacial and bedrock aquifers consistent with the Carrier Creek Subwatershed topography. Additional information detailing the groundwater flow direction at former Erickson Power Station may be found in the revised Groundwater Monitoring Network System Certification for Erickson Power Station published in May 2025 (HDR, 2025b).

Water levels in the multi-level glacial and bedrock wells is inconsistent between the sets (**Figure 4**). As shown in **Table 4**, glacial wells MW-11 and MW-12 have higher water levels than the paired bedrock wells MW-11B and MW-12B (approximately 9 feet and 4 feet higher, respectively), indicating a downward vertical gradient. Similarly, groundwater elevations in the MW-16 series decrease with well depth, indicating a downward vertical gradient, except for bedrock well MW-16D which is hydraulically disconnected from the other wells at Erickson. In the MW-100 well series, groundwater elevations in MW-100B and MW-100C are similar, while MW-100A is one foot higher and MW-100D is also one foot higher. These wells are all located farther from and surrounding the wetland where groundwater converges from both sides and turns and flows north consistent with the Carrier Creek Subwatershed topography. Wells that are closer to or within the wetland and where groundwater converges and flows north, bedrock well MW-7B has historically had a slightly higher water level than glacial paired well MW-7, indicating an upward vertical gradient, however, data collected since its installation in 2022 indicate that this trend may be seasonally dependent as the gradient has been inconsistent. Well MW-7D, after being surveyed, has also displayed slight upward and downward vertical gradients since its installation in 2025 and may also have seasonally dependent vertical groundwater flow. Groundwater elevation data for the MW-17 series wells indicate a downward vertical gradient, except for MW-17D which appears to have an upward gradient from the shallow bedrock to the glacial aquifer. Additionally, the vertical gradient of the shallow glacial wells MW-17A and MW-17B may be seasonally dependent as MW-17B has been observed at slightly higher elevations than that of MW-17A. Likewise, MW-18 series wells have also indicated a downward vertical gradient, with an upward vertical gradient being observed between MW-18A, -18B, and -18C. Groundwater elevation data collected from the MW-19 series wells indicate an upward gradient within this well series farther north. Groundwater elevation in wells MW-19B and MW-19C are similar and both are approximately 1 foot higher than well MW-19A. Groundwater elevations in well MW-19D is approximately a foot higher than MW-19B and MW-19C and approximately two feet higher than well MW-19A.

Because the groundwater elevations differed between glacial wells and bedrock wells, two separate sets of potentiometric contour maps were developed, one for wells screened in the glacial aquifer and one for the wells screened in the shale/sandstone bedrock aquifer. Potentiometric surface maps were developed for the glacial and bedrock aquifers for the February 2026 water level measurement dates. Maps displaying the groundwater elevations at the wells and the groundwater contours and are provided in **Appendix A**.

The potentiometric surface maps and hydrographs indicate that monitoring wells MW-1, MW-4, MW-11, MW-12 are located upgradient in the glacial aquifer and wells MW-11B and MW-12B are upgradient in the bedrock aquifer relative to the former Forebay, Retention Pond, and CWP and are appropriate to represent background water quality.

Table 3. Groundwater Elevations Measured between January and June 2026

Monitoring Well ID	Aquifer Monitored	TOC Elevation (ft amsl)	Groundwater Elevations (ft amsl)												
			1/6/2026	1/7/2026	1/8/2026	1/13/2026	2/3/2026	2/17/2026	3/17/2026	3/18/2026	3/24/2026	4/1/2026	4/21/2026	4/28/2026	6/2/2026
MW-1	Glacial	888.74	NM	NM	NM	NM	873.79	873.70	NM	NM	NM	NM	NM	NM	NM
MW-2	Glacial	885.97	865.85	NM	NM	NM	865.37	NM	NM	NM	865.19	NM	NM	867.64	NM
MW-3	Glacial	884.81	870.93	NM	NM	NM	870.74	NM	NM	NM	870.64	NM	NM	870.86	NM
MW-4	Glacial	889.15	NM	NM	NM	NM	872.06	871.84	NM	NM	NM	NM	NM	NM	NM
MW-5	Glacial	885.50	NM	867.32	NM	NM	866.63	NM	NM	NM	NM	866.52	NM	NM	869.06
MW-6	Glacial	885.53	NM	NM	865.21	NM	864.76	NM	NM	NM	864.64	NM	NM	867.78	NM
MW-7	Glacial	870.14	864.84	NM	NM	NM	864.13	NM	NM	NM	NM	864.00	NM	865.96	NM
MW-7B	Bedrock	870.28	NM	NM	NM	NM	864.21	NM	864.15	NM	NM	NM	NM	NM	NM
MW-7C	Glacial	871.53	NM	864.82	NM	NM	864.47	NM	NM	NM	864.50	NM	NM	866.41	NM
MW-7D	Bedrock	871.97	NM	864.77	NM	865.13	864.40	NM	NM	NM	NM	864.30	864.41	866.19	NM
MW-8	Glacial	873.74	NM	NM	NM	NM	864.38	NM	864.35	NM	NM	NM	NM	NM	NM
MW-9	Glacial	872.60	NM	NM	NM	NM	864.12	NM	864.10	NM	NM	NM	NM	NM	NM
MW-10	Glacial	875.65	NM	NM	NM	NM	865.02	865.01	NM	NM	NM	NM	NM	NM	NM
MW-11	Glacial	885.64	NM	NM	NM	NM	875.00	874.96	NM	NM	NM	NM	NM	NM	NM
MW-11B	Bedrock	885.58	NM	NM	NM	NM	865.45	865.35	NM	NM	NM	NM	NM	NM	NM
MW-12	Glacial	886.19	NM	870.59	NM	NM	870.23	NM	NM	NM	870.13	870.13	NM	872.55	NM
MW-12B	Bedrock	886.27	NM	866.48	NM	NM	866.94	NM	NM	NM	866.85	NM	NM	867.67	NM
MW-13	Glacial	871.80	NM	NM	NM	NM	863.63	863.58	NM	NM	NM	NM	NM	NM	NM
MW-14	Glacial	884.59	869.69	NM	NM	NM	868.95	NM	NM	NM	NM	868.84	NM	869.64	NM
MW-15	Glacial	880.24	NM	NM	NM	NM	874.48	NM	874.51	NM	NM	NM	NM	NM	NM
MW-16A	Glacial	877.48	NM	NM	NM	NM	870.37	NM	NM	870.344	NM	NM	NM	NM	NM
MW-16B	Glacial	877.49	NM	NM	NM	NM	867.05	NM	NM	866.592	NM	NM	NM	NM	NM
MW-16C	Bedrock	877.49	NM	NM	NM	NM	866.76	NM	NM	866.525	NM	NM	NM	NM	NM
MW-16D	Bedrock	877.53	NM	NM	NM	NM	852.58	NM	NM	852.586	NM	NM	NM	NM	NM
MW-17A	Glacial	864.43	864.28	NM	NM	NM	863.91	NM	NM	NM	863.89	NM	NM	NM	NM
MW-17B	Glacial	864.49	864.11	NM	NM	NM	863.85	NM	NM	NM	863.81	NM	NM	NM	NM
MW-17C	Glacial	864.51	864.13	NM	NM	NM	863.87	NM	NM	NM	863.76	NM	NM	NM	NM
MW-17D	Bedrock	864.42	864.37	NM	NM	NM	864.11	NM	NM	NM	864.01	NM	NM	NM	NM
MW-17E	Bedrock	864.36	864.02	NM	NM	NM	864.00	NM	NM	NM	863.95	NM	NM	NM	NM
MW-18A	Glacial	865.59	NM	864.71	NM	NM	864.02	864.01	NM	NM	NM	863.96	NM	865.38	NM
MW-18B	Glacial	865.60	NM	864.76	NM	NM	864.07	864.05	NM	NM	NM	863.96	NM	NM	NM
MW-18C	Bedrock	865.58	NM	864.68	NM	NM	864.08	864.03	NM	NM	NM	863.97	NM	NM	NM
MW-18D	Bedrock	865.59	NM	863.85	NM	NM	863.67	864.12	NM	NM	NM	863.55	NM	864.85	NM
MW-19A	Glacial	868.30	NM	856.81	NM	857.18	856.76	NM	NM	NM	NM	856.63	NM	NM	858.90
MW-19B	Glacial	868.28	NM	857.63	NM	857.95	857.68	NM	NM	NM	NM	857.48	NM	NM	859.83
MW-19C	Bedrock	868.57	NM	857.74	NM	858.07	857.86	NM	NM	NM	NM	857.68	NM	NM	860.06
MW-19D	Bedrock	868.62	NM	858.03	NM	858.47	858.44	NM	NM	NM	NM	858.29	NM	NM	859.30
MW-20	Glacial	875.95	NM	NM	NM	NM	862.00	NM	NM	NM	NM	NM	NM	NM	NM
MW-100A	Glacial	879.77	NM	NM	NM	NM	863.45	NM	863.45	NM	NM	NM	NM	NM	NM
MW-100B	Glacial	879.74	NM	NM	NM	NM	862.71	NM	862.71	NM	NM	NM	NM	NM	NM

Monitoring Well ID	Aquifer Monitored	TOC Elevation (ft amsl)	Groundwater Elevations (ft amsl)												
			1/6/2026	1/7/2026	1/8/2026	1/13/2026	2/3/2026	2/17/2026	3/17/2026	3/18/2026	3/24/2026	4/1/2026	4/21/2026	4/28/2026	6/2/2026
MW-100C	Bedrock	879.72	NM	NM	NM	NM	863.50	NM	863.50	NM	NM	NM	NM	NM	NM
MW-100D	Bedrock	879.70	NM	NM	NM	NM	864.25	NM	864.25	NM	NM	NM	NM	NM	NM

NM – Not measured.

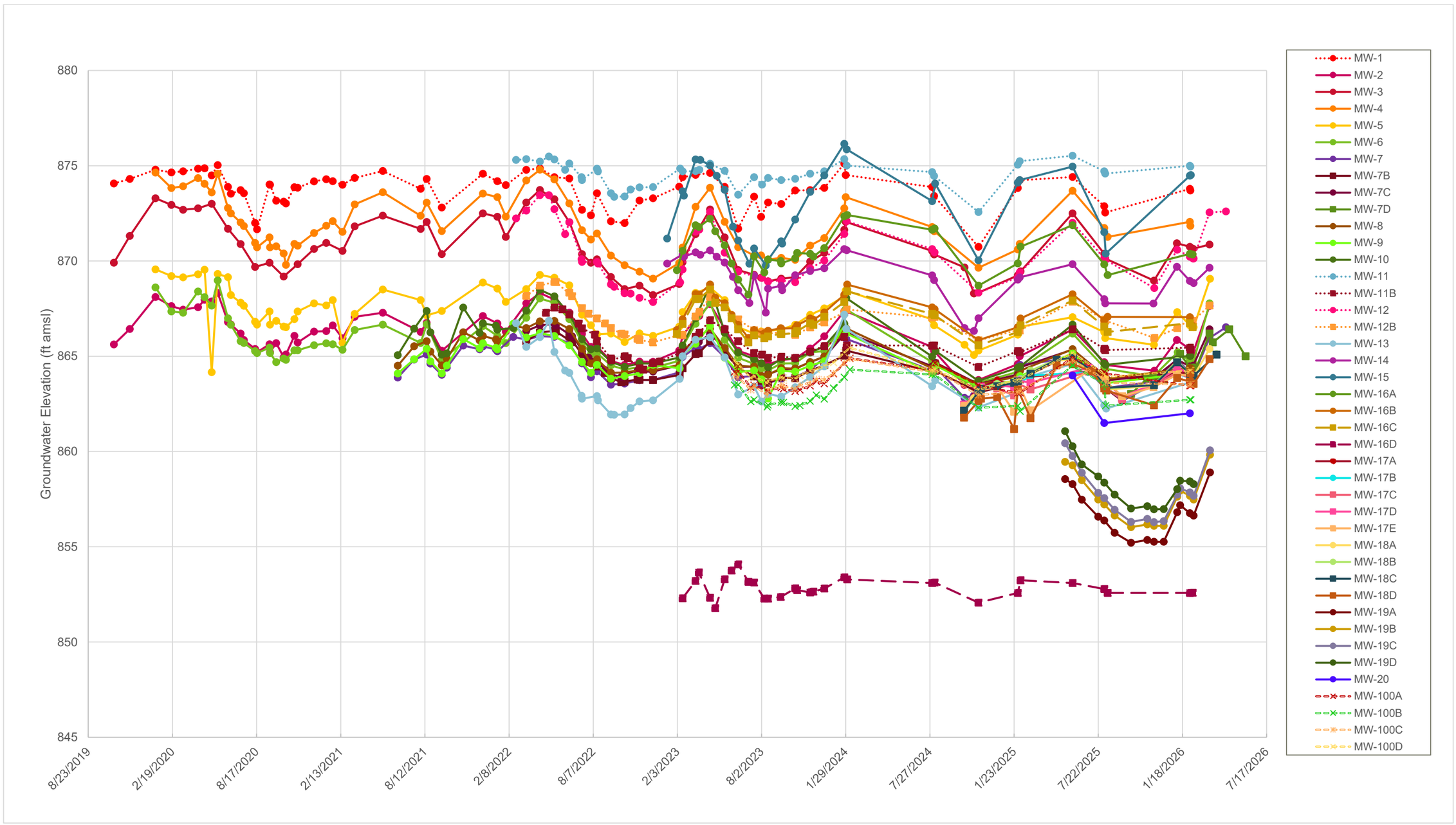


Figure 4. Former Erickson Power Station Groundwater Elevations

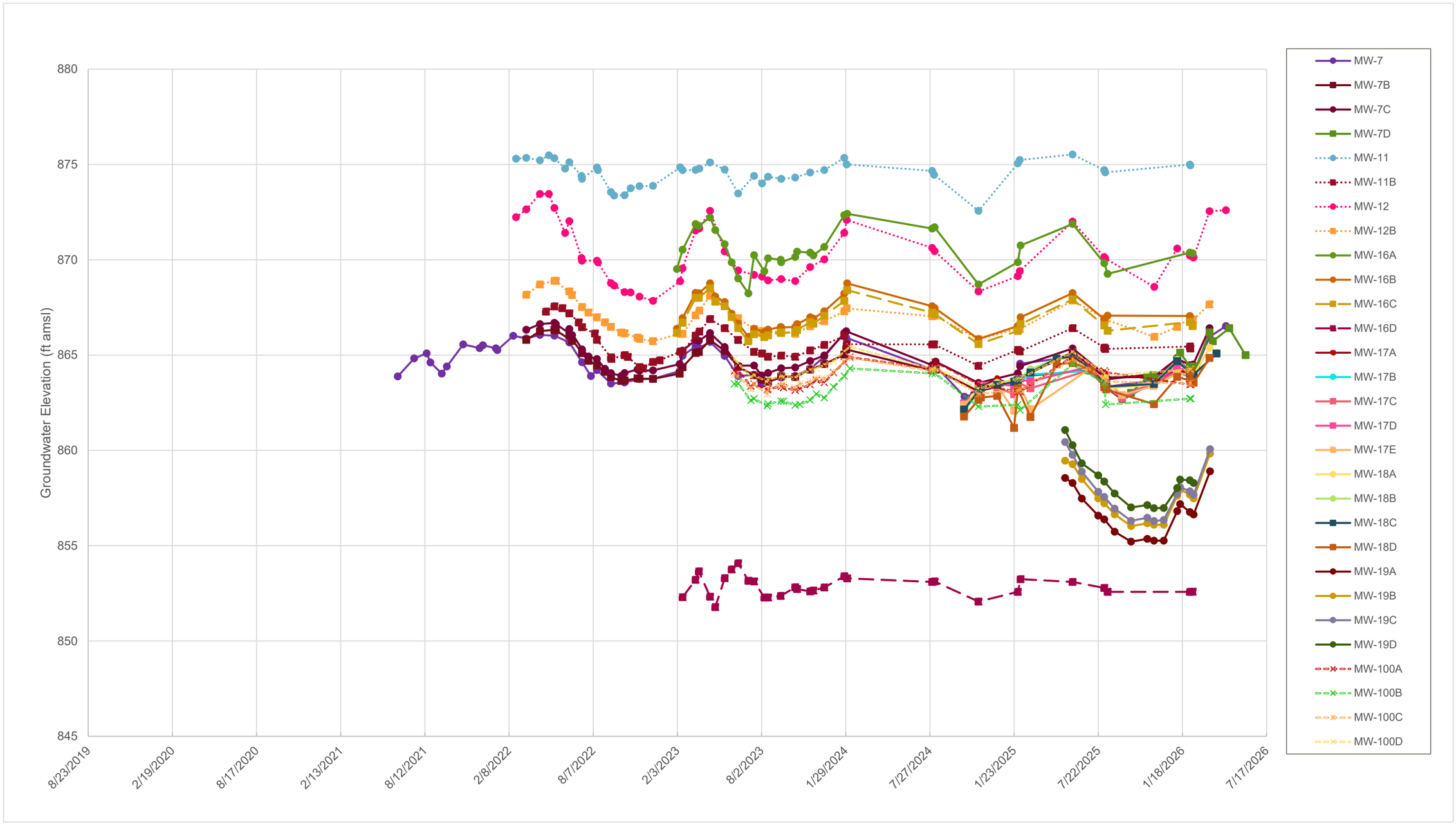


Figure 5. Former Erickson Power Station Paired Glacial and Bedrock Well Groundwater Elevations

4.2 Water Quality

Site-specific Background Values and Groundwater Protection Standards for the glacial and bedrock aquifers may be found in **Appendix B**. A table summary of the analytical data is provided in **Appendix C** and laboratory reports are provided in **Appendix D**.

Assessment Monitoring Event – February 2026

Forty-two (42) wells were sampled during the February 2026 assessment monitoring event as presented in **Table 1**. The following wells had concentrations of one or more constituents that exceeded GPS: MW-2, MW-3, MW-5, MW-6, MW-7, MW-7C, MW-14, MW-15, MW-16A, MW-16D, MW-17A, MW-17B, MW-17C, MW-18A, MW-18B, MW-18C, and MW-18D. In accordance with Michigan Rule R 299.4441, downgradient well concentrations were statistically evaluated to determine if constituents are detected at SSLs above the GPS. To determine if an exceedance of a GPS value was statistically significant, the 95% lower confidence limit (95LCL) was calculated for each of the downgradient wells. At this time, downgradient statistical analysis has also been performed for mercury, however the established background dataset collected at Erickson for mercury does not account for GSI considerations at the wetland boundary. To correctly assess downgradient mercury GPS exceedances, mercury will be collected and analyzed via a method with a lower level of detection and the background value for the site will be recalculated with these data. Statistical output files are in **Appendix E**.

Glacial Aquifer

Monitoring wells MW-2 and MW-5 had SSLs of boron, calcium, lithium, and sulfate over the glacial GPS (**Table 4**). In previous assessment monitoring events, wells MW-2 also had an SSL for sulfate; however the 95LCL dropped below the GPS after the February 2026 sample event. MW-2 and MW-5 also had SSLs of TDS above the GPS; however, the 95LCL dropped below the GPS after the February 2025 sample event and the 95LCL have not exceeded the GPS since. Monitoring wells MW-6 and MW-14 had SSLs of boron and lithium over the GPS, and well MW-7 had SSLs of boron, lithium, and molybdenum over the GPS (**Table 4**). Well MW-7C had SSLs of boron, calcium, lithium, molybdenum, sulfate, and TDS over the GPS (**Table 4**). Well MW-3 continued to demonstrate SSLs of boron, calcium, lithium, molybdenum, sulfate, and TDS over the GPS (**Table 4**). After their initial SSL demonstrations in August 2025, wells MW-17A, MW-17B, MW-17C, MW-18A, and MW-18B also continued to demonstrate SSLs of boron and lithium (**Table 4**). Additionally, wells MW-17A and continued to demonstrate SSLs for sulfate and TDS, and MW-17C continued to demonstrate a SSL for sulfate (**Table 4**).

Glacial nature and extent monitoring well MW-15 had an SSLs of selenium over the glacial GPS for the first time. Selenium is not observed as an exceedance at any of the CCR impoundment waste boundary wells, and therefore it is likely from a source other than the CCR impoundments. The selenium concentration is only considered an exceedance if MW-15 is considered a wetland boundary well because the only criteria the calculated 95LCL concentration exceeded is the Part 201 Groundwater-Surface Water Interface (GSI) BWL will be pursuing a potential alternate source demonstration for the selenium at MW-15.

Table 4. Wells in the Glacial Aquifer with SSLs over GPS – Calculated through the February 2026 Assessment Monitoring Event

Monitoring Well	Constituent	Boron	Chloride	Lithium	Molybdenum	Selenium	Sulfate	TDS
	State Glacial GPS	0.50 mg/l	250 mg/l	0.040 mg/l	0.10 mg/l	0.005 mg/L	344 mg/l	1,169 mg/l
MW-2	95% LCL	4.1	-	0.051	-	-	-	-
MW-3	95% LCL	5.4	-	0.077	0.15	-	680	1,300
MW-5	95% LCL	3.4	-	0.058	-	-	460	-
MW-6	95% LCL	0.71	-	0.044	-		-	-
MW-7	95% LCL	1.7	-	0.082	0.17	-	-	-
MW-7C	95% LCL	6.4	-	0.12	0.38	-	660	1,300
MW-14	95% LCL	2.0	-	0.10	-	-	-	-
MW-15	95% LCL	-	-	-	-	0.0056	-	-
MW-16A*	95% LCL	-	410	-	-	-	-	1,300
MW-17A	95% LCL	3.8	-	0.050	-	-	630	1,300
MW-17B	95% LCL	1.8	-	0.079	-	-	-	-
MW-17C	95% LCL	2.0	-	0.051	-	-	420	-
MW-18A	95% LCL	0.84	-	0.058	-	-	-	-
MW-18B	95% LCL	2.2	-	0.096	-	-	-	-

*An ASD was submitted to EGLE July 2024 (revised July 2026) for the SSLs observed within this well.
"-" Denotes the LCL did not exceed GPS along with wells not listed.

Bedrock Aquifer

After the February 2026 assessment monitoring event, well MW-16D continued to demonstrate an SSL of boron over the bedrock GPS (**Table 5**). An ASD was submitted to EGLE July 2024 (revised July 2026) for the boron SSL observed in well MW-16D.Well MW-18C also continued to demonstrate SSLs for lithium and sulfate, and MW-18D continued to demonstrate a SSL for lithium over the bedrock GPS (**Table 5**).

Table 5. SSLs in Bedrock Wells– Calculated through the February 2026 Assessment Monitoring Event

Monitoring Well	Constituent	Boron	Lithium	Sulfate
	State Glacial GPS	3.52 mg/l	0.051 mg/L	250 mg/L
MW-16D*	95% LCL	4.5	-	-
MW-18C	95% LCL	-	0.077	340
MW-18D	95% LCL	-	0.059	-

*An ASD was submitted to EGLE July 2024 (revised July 2026) for the SSL observed within this well.

Multiple lines of evidence have indicated that the SSL of boron in well MW-16D is naturally occurring.

Background Monitoring Events – January, February, March, April, and June 2026

Background monitoring events for newly installed MW-19 series wells (MW-19A, MW-19B, MW-19C, and MW-19D) and MW-7D were completed between January and June 2026. Sampling for background monitoring events is shown in **Table 1** and described in **Section 3.1**.

MW-19 series wells were installed in May 2025 and seven sampling events were completed during the 2025 calendar year. The eighth background sampling event for MW-19 series wells was completed in January 2026 and the well was included in the assessment monitoring sampling event in February 2026 and downgradient statistical analysis of the MW-19 series wells was performed with the results presented above.

After the installation and development of well MW-7D in September 2025, three sampling events for this well were completed concurrently with the MW-19 series wells in 2025. An additional five sampling events for well MW-7D to achieve statistical significance were completed in January, February, March, April, and June 2026. Shallow bedrock groundwater quality from MW-7D had no single event GPS exceedances. The June 2026 sample event marks the eighth sample event for this well and after the upcoming semiannual assessment monitoring event the statistical analysis will be performed.

5.0 Remedy Selection Progress Update

5.1 Remediation Feasibility Study

To evaluate the cost of the remediation options at Erickson and determine a final path forward for remediation, a draft remediation feasibility study (RFS) was prepared and submitted on June 30, 2026. The RFS evaluated the three remedy alternatives proposed in the Assessment of Corrective Measures (ACM) published for the site; monitored natural attenuation (MNA), extraction and treatment with surface water discharge, and extraction and treatment with groundwater discharge. The RFS evaluated the alternatives for their effectiveness in achieving the remedial action objectives, the practicality of implementation of the remedial option, and cost with an Advancement of Cost Engineering Internation Class 5 estimate. The draft RFS will assist BWL budget forecast and elevate into the design phase in the second half of 2026 with the selected remedy to follow.

5.2 Plume Delineation

Groundwater monitoring network data currently suggest that the plume is delineated to the east and south of the former CCR impoundments when using the groundwater contour lines to help determine plume boundaries.

BWL evaluated potential paths in order to continue to delineate the groundwater plume to the north of the MW-18 wells and in May 2025, a new monitoring well cluster (MW-19A, MW-19B, MW-19C, and MW-19D) and new piezometer (MW-20) were installed on the northern Erickson property boundary, north of the wetlands (**Figure 3**). These were sited north of the wetland to avoid wetland disturbance and associated long permitting timelines. Background sampling events for the MW-19 series wells was completed in January 2026 and the wells were included in the semiannual assessment monitoring sampling event completed in February 2026 and data indicate that there are no statistical exceedances of GPS at the MW-19 series wells.

BWL is currently in the process of coordinating access agreements with the Eaton County Drain Commissioner for access associated with wetland delineation and monitoring wells and associated roads.

BWL communicated via phone, email and certified mail to potentially impacted landowner, Reith-Riley (RR) directly to the east of the impoundments to secure an access agreement for BWL to continue plume delineation. RR declined all requests for access to their parcel. Subsequently, BWL notified Mr. David Willard, District Geologist, EGLE, Material Management Division (MMD), of BWL inability to secure access to RR parcel for further groundwater investigation.

5.3 Groundwater Extraction and Treatment Data Collection

To assist in evaluating the feasibility of groundwater extraction and treatment as a viable remedy for site groundwater, a discharge options evaluation remains underway. This evaluation provides a high-level assessment of potential discharge pathways for the treated groundwater,

including direct discharge to surface water under a National Discharge Elimination System (NPDES) permit and discharge back to the subsurface (e.g. through reinjection or infiltration) within the site boundaries. Notably, discharge to the POTW has been ruled out based on feedback from Delta Township staff to BWL, due to volume capacity limitations of the Delta Township wastewater system.

5.4 Groundwater Model Development

A three-dimensional numerical MODFLOW groundwater flow and transport model was updated and calibrated between January and June 2026 to support remedial conceptual design alternatives. The objectives of the modeling are to simulate the potential extent of the plumes, and to evaluate the effectiveness of each potential corrective measure to reduce groundwater concentrations over time with the goal of selecting the best remedy, or combination of remedies, for implementation. Additionally, the model allows for evaluations of conceptual design variations of an alternative.

5.5 Monitored Natural Attenuation Data Collection

Between January and June 2026, BWL continued to collect and evaluate additional data to continue the MNA investigation. An initial evaluation of the MNA data collected was detailed in Monitored Natural Attenuation Evaluation: Insights from Initial Data (HDR, 2025d). This memo included a Tier I MNA evaluation of boron, which concluded with a recommendation to advance boron to a Tier II MNA evaluation and to complete a comprehensive Tier I MNA Evaluation for the remaining site COCs (calcium, lithium, molybdenum, sulfate, and total dissolved solids). The comprehensive Tier I MNA evaluation for all site contaminants finalized on March 26, 2026.

Additionally, a Tier II MNA evaluation is currently in progress. Well solids were collected from 13 site monitoring wells (MW-3, MW-5, MW-6, MW-7, MW-7C, MW-7D, MW-12, MW-12B, MW-14, MW-18A, MW-18B, MW-18C, and MW-18D) in October 2025 and submitted to Anchor QEA's laboratory in Portland, Oregon. Based on the sample recovery results from the October 2025 samples, additional well solids sample collection was performed in November 2025 at 5 of the monitoring wells (MW-3, MW-7C, MW-12B, MW-18B, and MW-18C) and also submitted to Anchor QEA. Well solids from 8 of the monitoring wells (MW-3, MW-5, MW-7C, MW-12, MW-12B, MW-14, MW-18B, and MW-18C) were then advanced to a Phase 1 screening analysis, utilizing:

- X-ray fluorescence (XRF)
- Laser-induced breakdown spectroscopy (LIBS)

Based on the Phase 1 screening results, well solids samples from 7 of these wells (MW-3, MW-7C, MW-12, MW-12B, MW-14, MW-18B, and MW-18C) were advanced to Phase 2 analysis, including:

- Selective sequential extraction (SSE)
- Scanning electron microscopy with energy dispersive spectrometry (SEM with EDS)
- X-ray diffraction (XRD)

Anchor QEA sent the results of these analyses to HDR in February 2026 and were incorporated into the Tier II MNA evaluation.

Three rounds of MNA groundwater samples were additionally collected from site monitoring wells within the groundwater plume. The first round of these MNA groundwater sampling events was conducted in November 2025, with the second and third rounds of completed by April 2026. These groundwater samples were delivered to Eurofins Laboratories of Cleveland, Ohio for analysis of dissolved metals, sulfide, total organic carbon, nitrate, and nitrite not included in the assessment monitoring program. The Tier II MNA evaluation is expected to be completed in August 2026.

Based on the findings of the Tier II MNA evaluation, additional analysis of the MNA remedial method is recommended and will progress with a Tier III MNA evaluation. Additional well solids were collected from wells within the groundwater contamination plume at MW-3, MW-7, MW-7C, MW-17 series wells, MW-18 series wells, and MW-19 series wells. These samples will be for use in an adsorption capacity and desorption treatability study. It is anticipated that further work supporting the Tier III MNA evaluation, including collection of additional groundwater samples, will be conducted concurrent with the August 2026 second semiannual sampling event. The Tier III MNA evaluation is expected complete in the fourth quarter 2027.

5.6 In-Situ Treatability Data Collection

BWL coordinated with Evonik Industries in 2025 to develop a work plan to evaluate the potential for in-situ treatment of site COCs. In September 2025, a 6 kg soil sample was collected from 50-60 feet below ground surface (the screened interval of MW-7C) during the drilling and installation of the new shallow bedrock monitoring well MW-7D. In October 2025, 19 liters of groundwater was collected from MW-7C into two 9.5 liter nitrogen flushed stainless steel canisters, and both the soil and groundwater samples were submitted to ReSolution Partners, LLC's (RSP) lab in Madison, Wisconsin. Subsamples of the groundwater and homogenized soil sample were submitted to CT Laboratories in Baraboo, Wisconsin, for baseline characterization of:

- Boron, lithium, and molybdenum by EPA Method 6010C
- Sulfate by EPA Method 300

In November 2025, RSP commenced a first phase of bench-scale batch testing of the soil and groundwater samples in combination with a variety of different reagents. The purpose of these batch tests are to investigate the efficacy of different reagents and dosages in lowering the aqueous concentrations of site COCs in the presence of the soil and groundwater samples collected from the site. The first phase of batch testing includes two suites of tests: one suite includes reagents (EHC®, MetaFix® I-3, acetic acid) intended to target boron, molybdenum, and sulfate, with the other suite including reagents (TSP, $FeSO_4$, $MnSO_4$, $KHCO_3$, CaO, TMT15®) intended to target lithium. The results of the first phase of batch testing was determined to be ineffective after treatability bench testing determined an appropriate reagent for treatment was not identified. Therefore, neither a second phase of batch testing nor field-scale pilot test are warranted to further investigate the potential for in-situ treatability of site groundwater.

5.7 Regulator Coordination

Beginning in March 2026, BWL initiated monthly meetings with Michigan EGLE MMD in an effort to advance agency reviews of monitoring documents and remediation progress.

In addition, BWL presented the site background and monitoring status to the EGLE Remediation Advisory Team (RAT) on June 24, 2026. During this meeting, BWL requested EGLE's review of the 2024 Alternate Source Demonstration and sought feedback on any remaining agency concerns to facilitate development and future approval of the Remedial Action Plan.

5.8 Next Steps

BWLs efforts to install additional monitoring wells offsite have been unsuccessful as adjacent landowners have not allowed access, aside from recent ECDC communications and the MW-100-series monitoring well cluster installed in May 2023. Nevertheless, BWL has continued to install wells along their property boundaries to continue to evaluate the potential extent of contamination. Data collected from wells along the eastern, western, and southern boundaries of the site suggest the plume outer edge is very near the wells in these directions and data collected from wells along the northern property demonstrate that the plume has not extended to Millett Highway and therefore the plume edge is between well MW-18 and MW-19, closer to MW-18 based on concentrations.

The following activities are proposed to be completed or initiated in the next 6-month period:

- Continue semiannual groundwater assessment monitoring;
- Complete statistical analysis for MW-7D.
- Evaluation of potential alternate sources of selenium exceedance at the MW-15 monitoring well;
- Update of the site background threshold values (BTVs) with data collected through the first semiannual assessment monitoring event in 2026;
- Continue the tiered III MNA evaluation to assess viability of MNA as a remedial option;
- Develop and implement an extracted groundwater treatability work plan;
- Complete a wetland delineation and potential wetland permitting for proposed extraction wells and corrective action monitoring wells;
- Hold a meeting to present remediation alternatives to the public; and
- Submit a Remedial Action Plan to EGLE.

6.0 Summary

The following observations are based on CCR Rule compliance groundwater monitoring program development between January and June 2026:

- Assessment monitoring for the first half of 2026 was completed in January and February for forty-two (42) wells. Monitoring data was statistically evaluated, and SSLs above the glacial GPS were observed at glacial monitoring wells MW-2, MW-3, MW-5, MW-6, MW-7, MW-7C, MW-14, MW-17A, MW-17B, MW-17C, MW-18A, and MW-18B for lithium and boron. Additionally, SSLs above the glacial GPS were observed at MW-3, MW-5, MW-7C, MW-17A, and MW-17C for sulfate, in MW-3, MW-7, and MW-7C for molybdenum, and in MW-3, MW-7C, and MW-17A for TDS. Bedrock monitoring data was statistically evaluated, and SSLs above the bedrock GPS were observed at MW-18C for lithium and sulfate, and for lithium only in MW-18D. These wells are bedrock wells.
- Glacial nature and extent monitoring well MW-15 had an SSLs of selenium over the glacial GPS for the first time. Selenium is not observed as an exceedance at any of the CCR impoundment waste boundary wells, and therefore it is likely from a source other than the CCR impoundments. The selenium concentration is only considered an exceedance if MW-15 is considered a wetland boundary well because the only concentration exceeded is the Part 201 GSI.
- Glacial monitoring well MW-16A had SSLs of chloride and TDS over GPS and bedrock well MW-16D had SSLs of boron over GPS. Groundwater flow direction at the site does not indicate that these SSLs are indicative of impact from the former Erickson CCR impoundments. Data collected this year at well MW-16D continues to indicate that this well is not hydraulically connected to the currently established well network at Erickson Station.
- Well series MW-19 completed enough monitoring events to achieve statistical significance in January 2026. Wells were subsequently sampled during the February 2026 assessment monitoring event. Monitoring data was statistically evaluated and no SSLs were observed for wells within this well series.
- Monitoring was completed at a five-week frequency to achieve statistical significant at well MW-7D. The final sampling event was completed on June 2, 2026; however data analysis for this well is incomplete. Well MW-7D will be sampled in the upcoming second semiannual assessment monitoring sampling event at Erickson, and downgradient statistical analysis performed.
- Further collection of data associated with remedy selection for the site including a discharge options analysis, Tier IIIMNA evaluation, groundwater model and remediation scenarios modeling, and in-situ bench testing.

7.0 References

HDR, 2020. Determination of Statistically Significant Increases over Background. November 23, 2020.

HDR, 2020a. Erickson Power Station Statistical Procedures Plan. May 11, 2020.

HDR, 2021. Assessment Monitoring Plan (AMP). March 26, 2021.

HDR, 2021b. Response Action Plan (RAP). March 26, 2021.

HDR, 2021c. Conceptual Site Model and Assessment of Corrective Measures. November 5, 2021

HDR, 2024. Assessment of Corrective Measures Data Collection Work Plan. February 15, 2024.

HDR, 2024a. Background Water Quality Statistical Certification. March 8, 2024.

HDR, 2024b. Groundwater Level Monitoring Standard Operating Procedure (SOP). Revised July 2, 2024.

HDR, 2024c. Hydrogeologic Monitoring Plan (HMP). July 3, 2024.

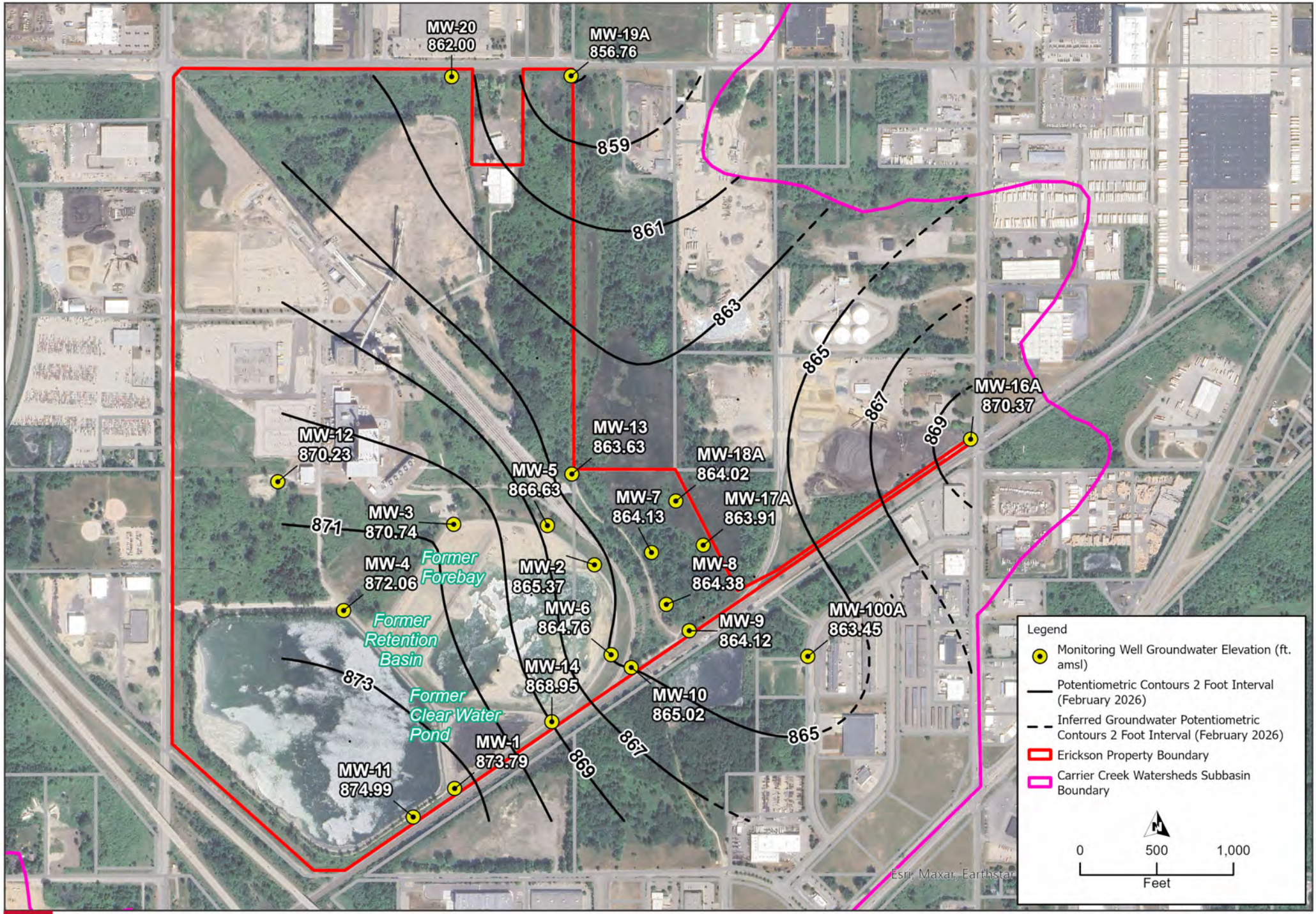
HDR, 2025a. Groundwater Monitoring Network System Certification, Former Erickson Power Station. May 15, 2025.

HDR, 2025b. Monitoring Well Installation Report, Former Erickson Power Station. May 15, 2025.

HDR, 2026. Groundwater Monitoring 2025 Annual Report, Former Erickson Power Station. January 30, 2026.

Appendix A

Groundwater Potentiometric Surface Maps and Vertical Gradients

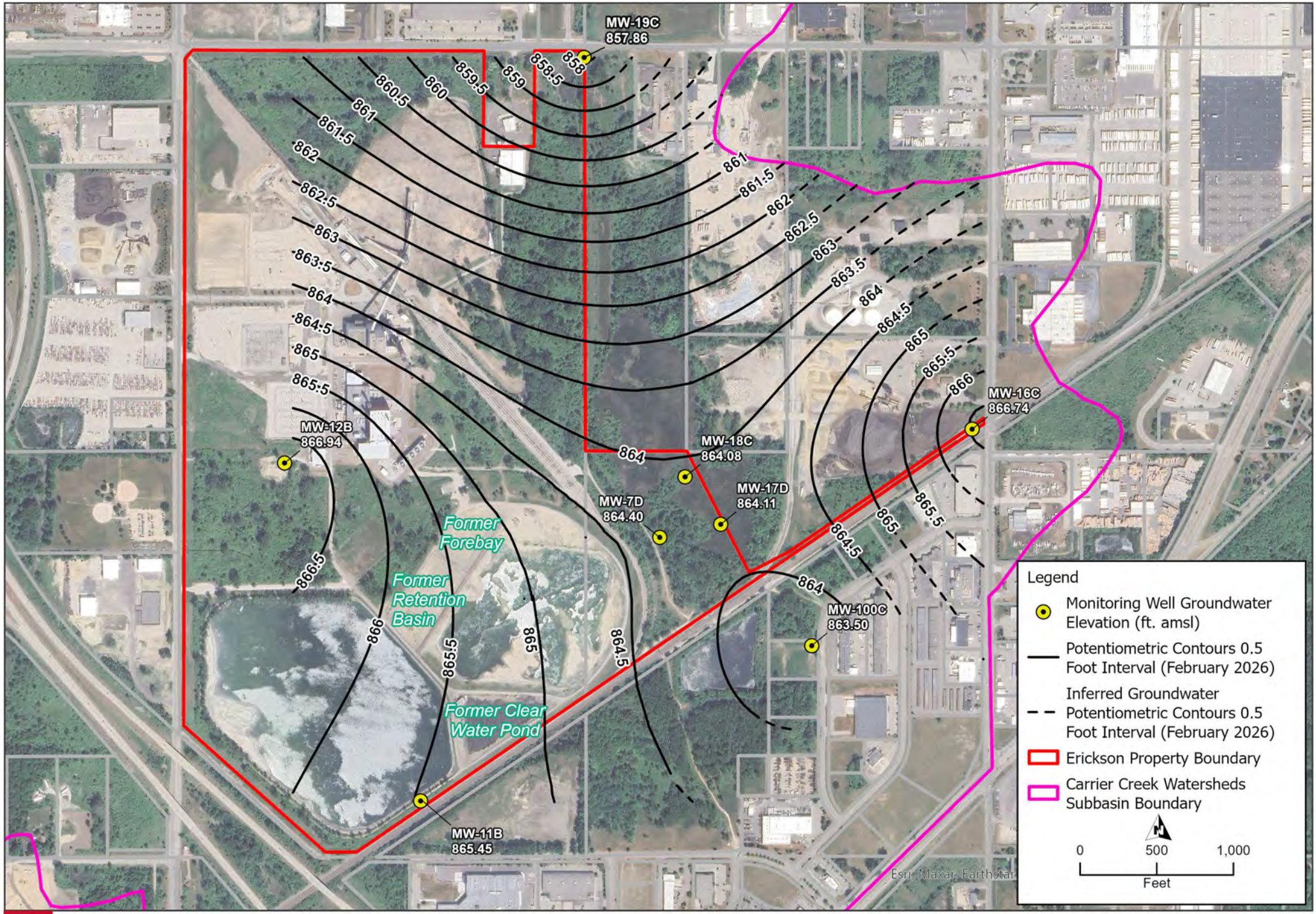


HDR

ERICKSON POWER STATION

EATON COUNTY, MI

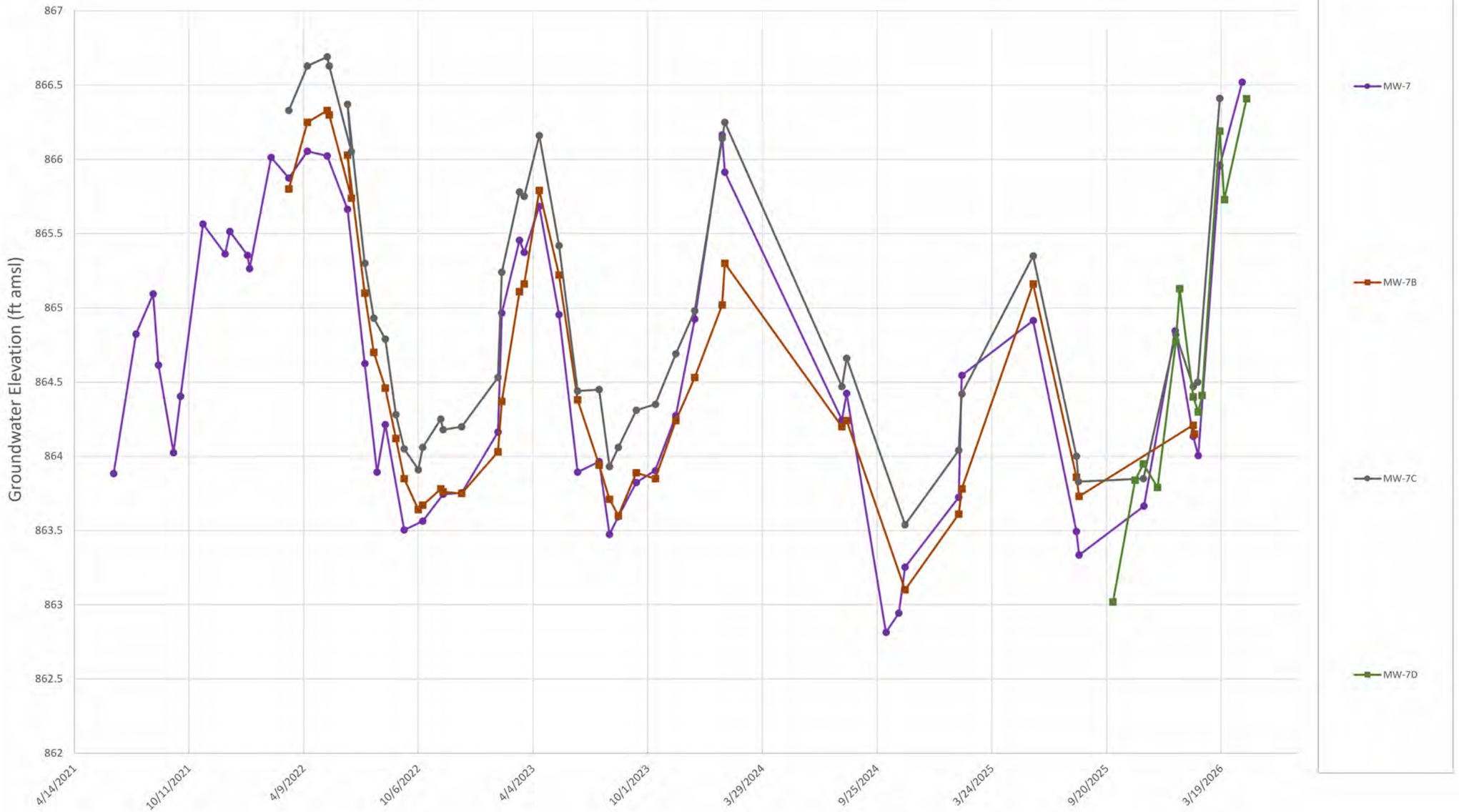
APRIL 2026



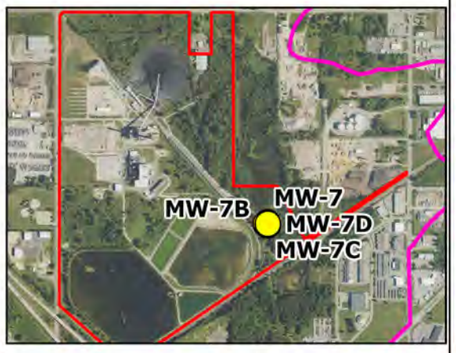
ERICKSON POWER STATION

EATON COUNTY, MI

APRIL 2026

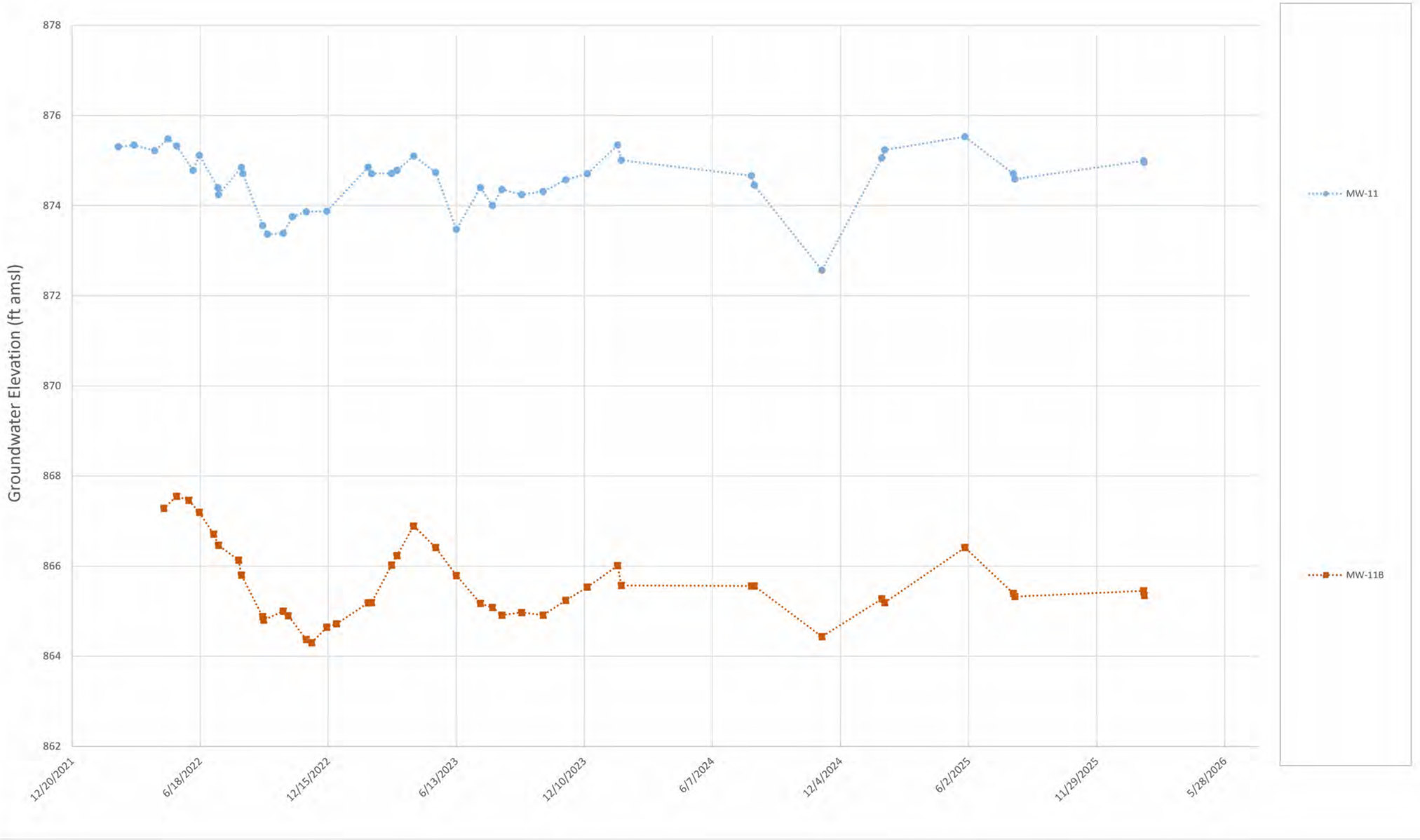


Vertical Gradient: Downward and Upward



VERTICAL GRADIENTS (MW-7, MW-7B, MW-7C, MW-7D)

FORMER ERICKSON POWER STATION
LANSING BOARD OF WATER & LIGHT
JULY, 2026



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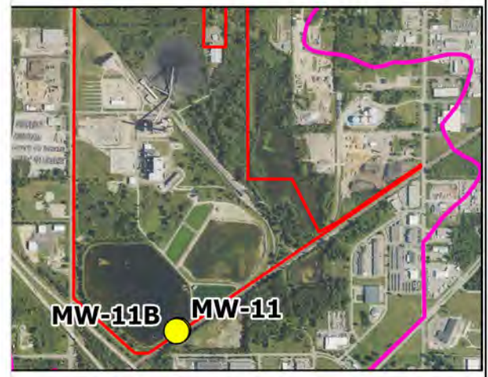
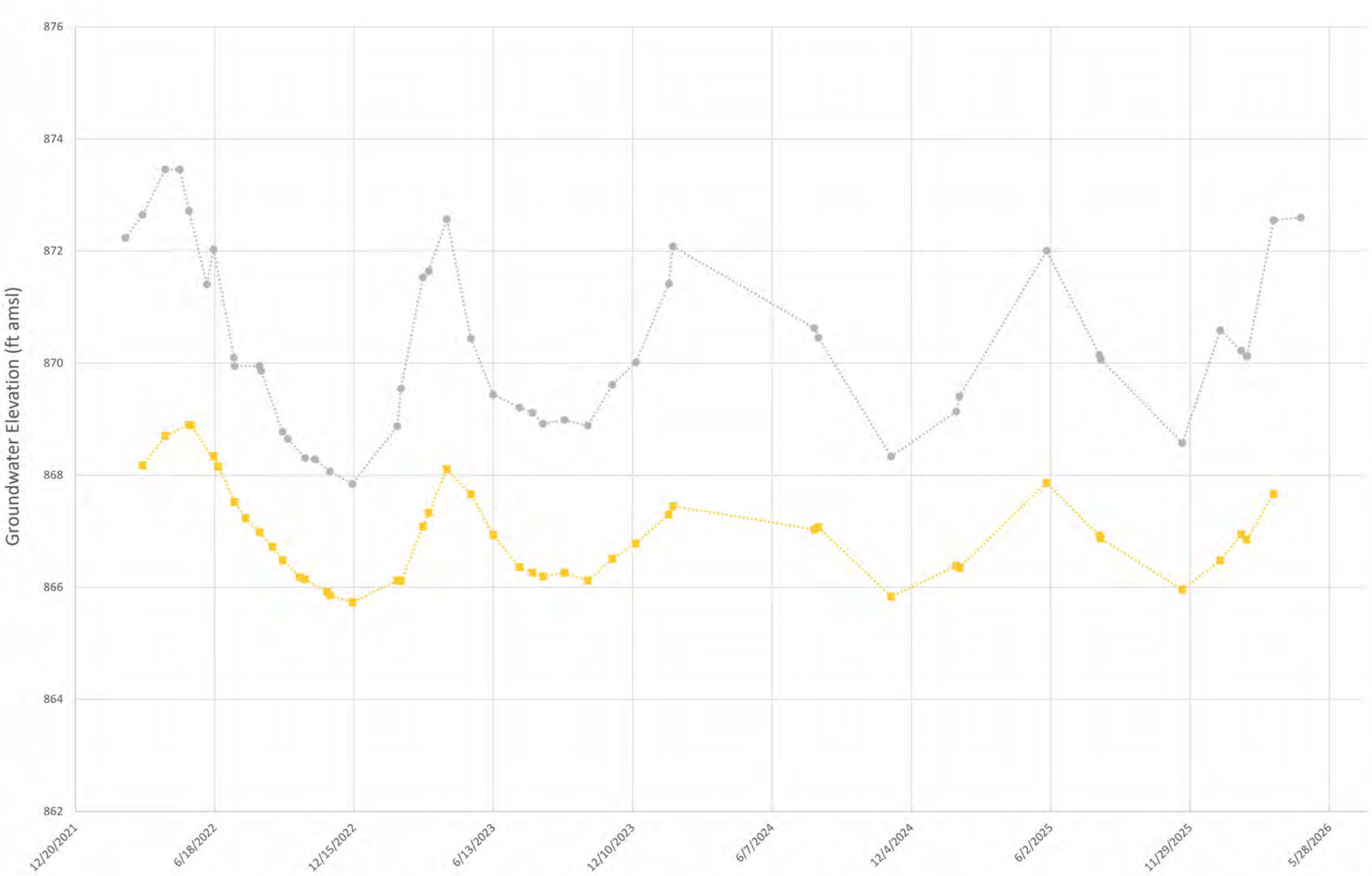


VERTICAL GRADIENTS (MW-11, MW-11B)

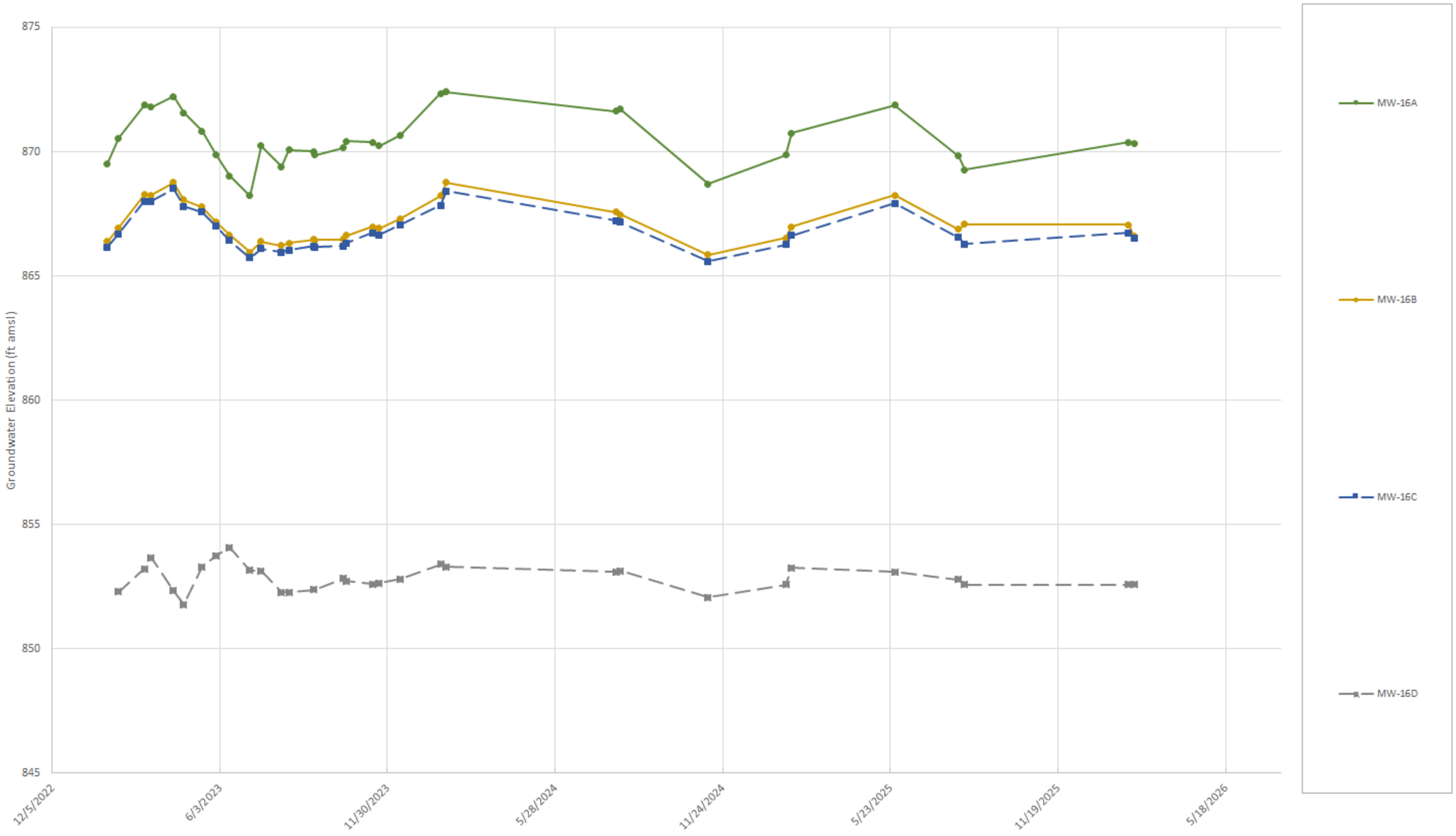
FORMER ERICKSON POWER STATION
LANSING BOARD OF WATER & LIGHT
JULY, 2026



Vertical Gradient: Downward

VERTICAL GRADIENTS (MW-12, MW-12B)

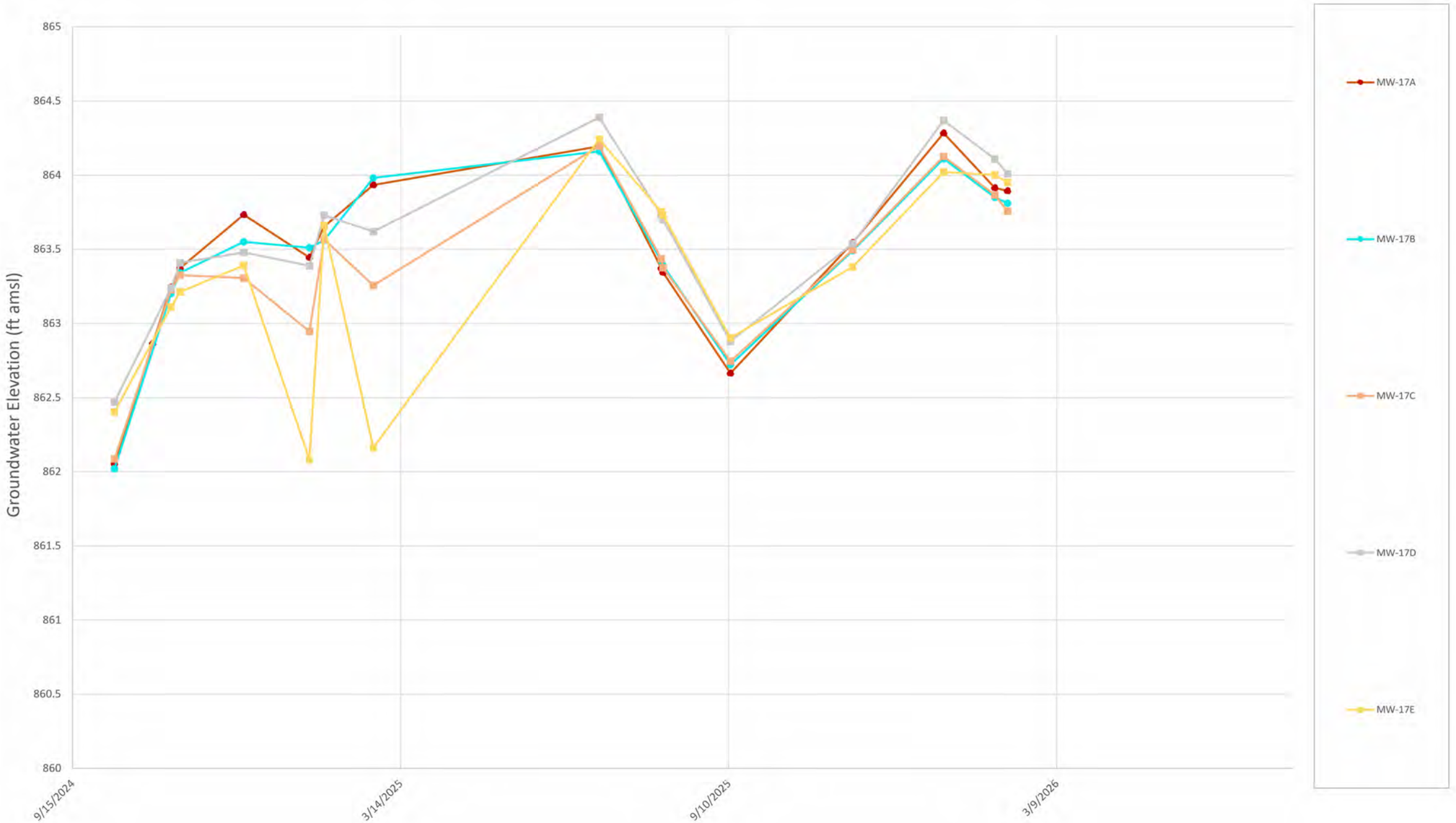
FORMER ERICKSON POWER STATION
LANSING BOARD OF WATER & LIGHT
JULY, 2026



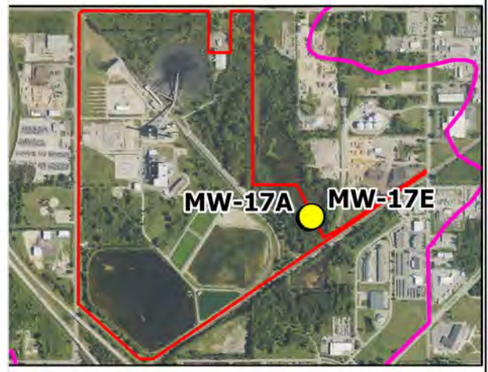
Vertical Gradient: Downward

VERTICAL GRADIENTS (MW-16A, MW-16B, MW-16C MW-16D)

FORMER ERICKSON POWER STATION
LANSING BOARD OF WATER & LIGHT
JULY, 2026

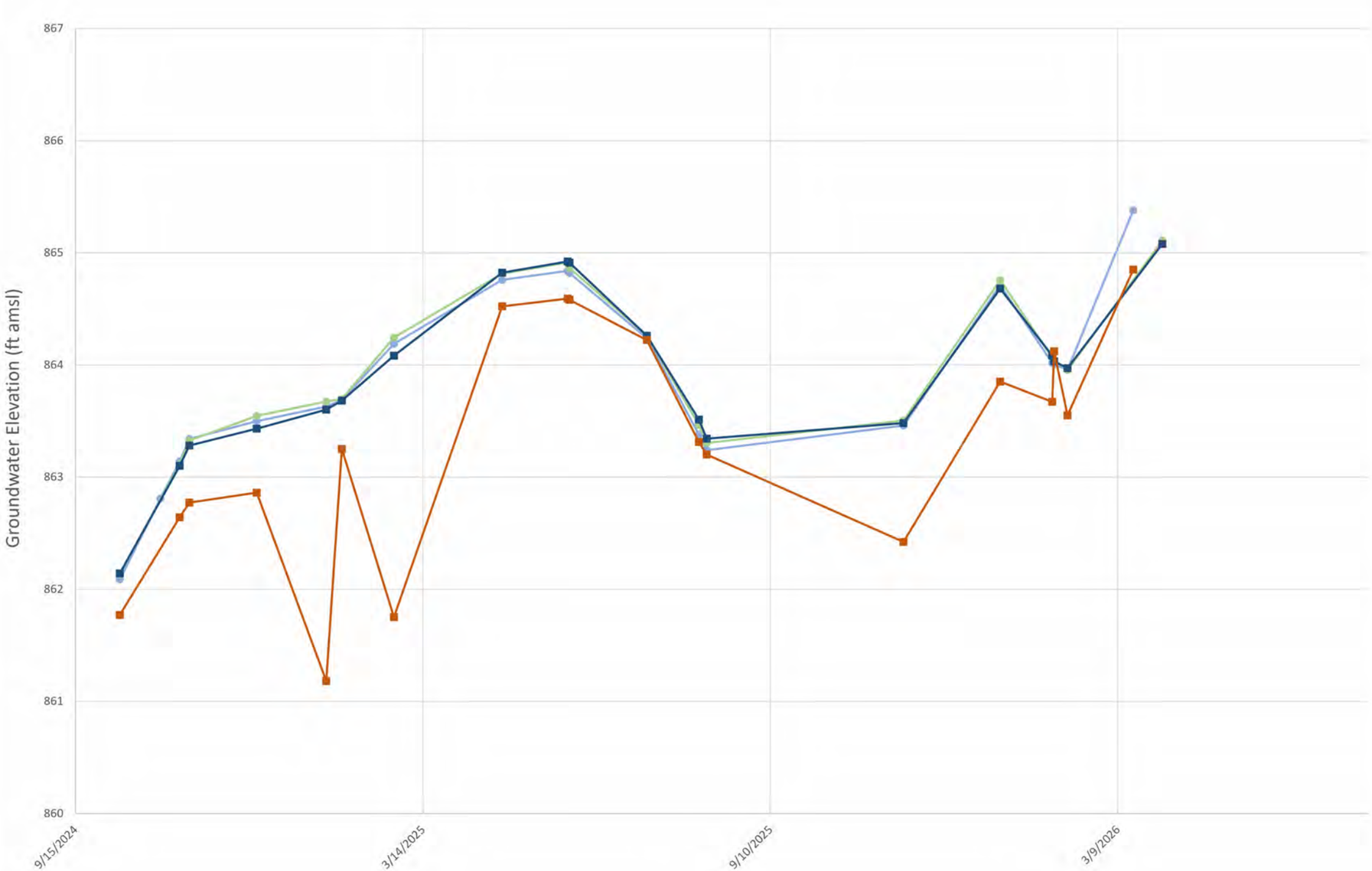


Vertical Gradient: Downward and Upward

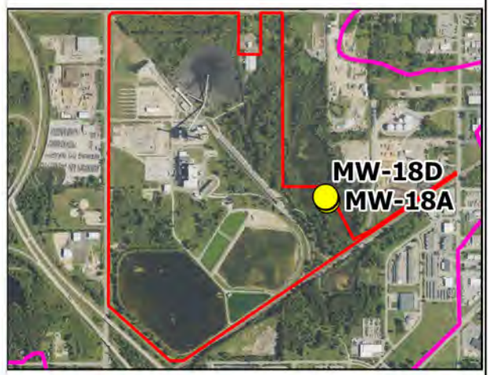


VERTICAL GRADIENTS (MW-17A, MW-17B, MW-17C MW-17D, MW-17E)

FORMER ERICKSON POWER STATION
LANSING BOARD OF WATER & LIGHT
JULY, 2026

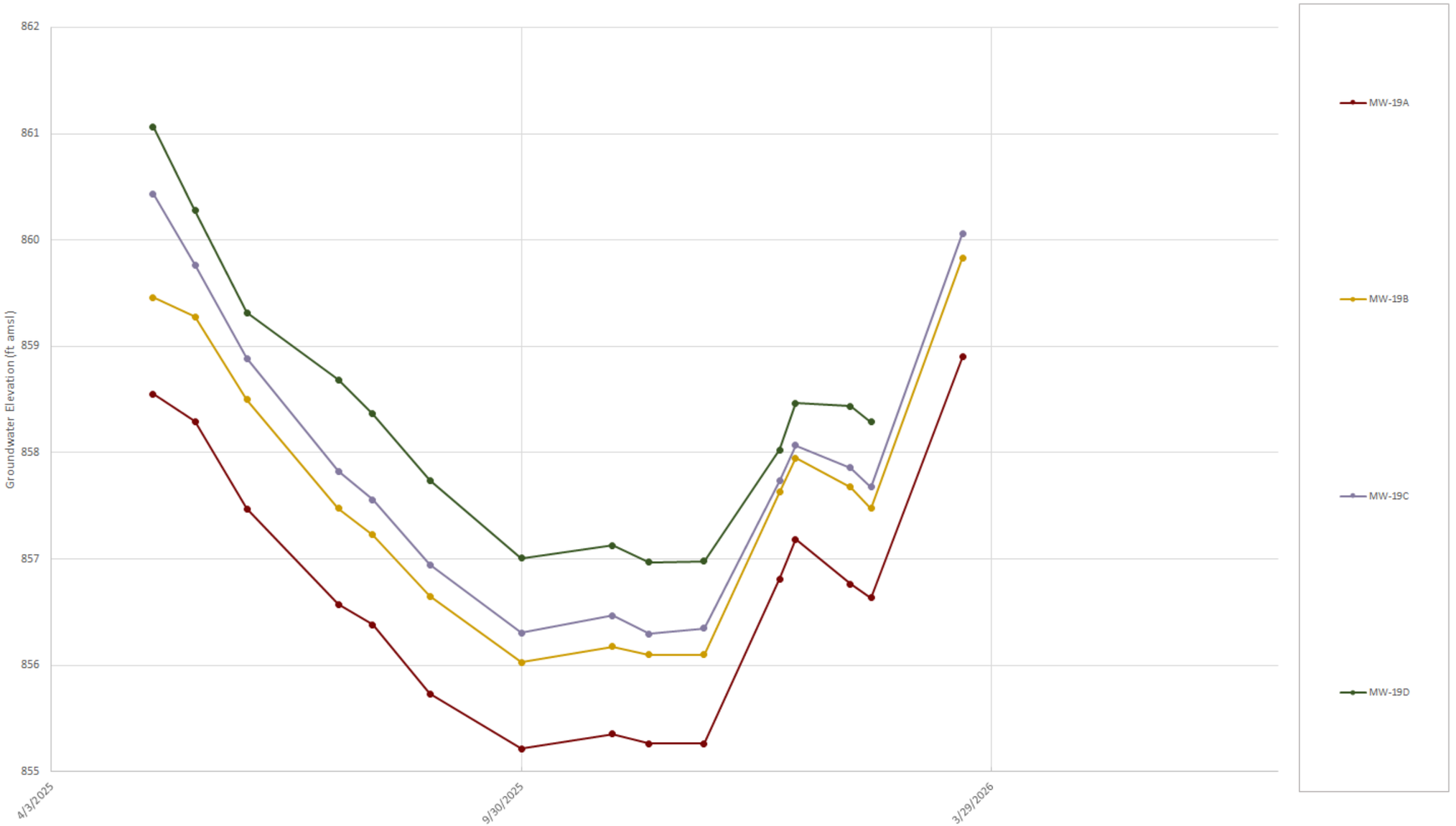


Vertical Gradient: Downward and Upward

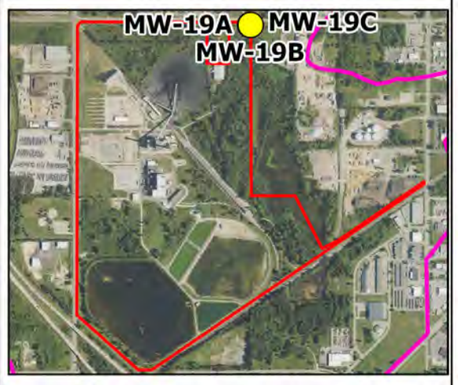


VERTICAL GRADIENTS (MW-18A, MW-18B, MW-18C MW-18D)

FORMER ERICKSON POWER STATION
LANSING BOARD OF WATER & LIGHT
JULY, 2026



Vertical Gradient: Upward



VERTICAL GRADIENTS (MW-19A, MW-19B, MW-19C MW-19D)

FORMER ERICKSON POWER STATION
LANSING BOARD OF WATER & LIGHT
JULY, 2026

Appendix B

Site Specific Background Values and Groundwater Protection Standards

Background Values and Groundwater Protection Standards for the Glacial Aquifer

Parameter		Site-Specific Glacial Background Level Upper Tolerance Limit (UTL)[1] (mg/L)	Federal Maximum Contaminant Level (mg/L)	State Non-Residential Drinking Water Cleanup Criteria for Groundwater[2] (mg/L)	State Part 201 Groundwater Surface Water Interface Criteria[2] (mg/L)	Glacial Groundwater Protection Standards for Site (mg/L)
Sb, total	Antimony	0.005	0.006	0.006	0.13	0.006
As, total	Arsenic	0.021	0.01	0.01	0.01	0.021
Ba, total	Barium	0.168	2	2	2.68	2
Be, total	Beryllium	0.001	0.004	0.004	0.1177	0.004
B, total	Boron	0.48	NV	0.5	7.2	0.5
Cd, total	Cadmium	0.0005	0.005	0.005	0.00786	0.005
Cr, total	Chromium	0.005	0.1	0.1	0.2994	0.1
Co, total	Cobalt	0.005	0.006	0.1	0.1	0.006
Cu, total	Copper	0.005	1.3	1	0.0384	0.0384
Fe, total	Iron	23.5	0.3	0.3	NV	23.5
Pb, total	Lead	0.003	0.015	0.004	0.004	0.004
Li, total	Lithium	0.041	0.04	0.35	0.041	0.041
Hg, total	Mercury	0.0002	0.002	0.002	0.0000013	0.0000013
Mo, total	Molybdenum	0.024	0.1	0.21	3.2	0.1
Ni, total	Nickel	0.021	NV	0.1	0.220	0.1
Se, total	Selenium	0.005	0.05	0.05	0.005	0.005
Ag, total	Silver	0.0005	0.1	0.098	0.0002	0.0002
Tl, total	Thallium	0.002	0.002	0.002	0.002	0.002
V, total	Vanadium	0.005	NV	0.062	0.027	0.027
Zn, total	Zinc	0.036	5	5	5.008	5
Ca	Calcium	188	NV	NV	NV	NV
F	Fluoride	1	4	2	NV	2
Cl	Chloride	94.377	250	250	50	94.377
SO_4	Sulfate	344	250	250	NV	344
TDS	Total Dissolved Solids	1168.639	500	500	500	1168.639
Ra226/228	Radium 226 and 228 combined	5.00 pCi/L	5 pCi/L	NV	NV	5 pCi/L

[1] Calculated by pooling background wells MW-1, MW-4, MW-11, and MW-12, through February 9, 2023, data. Background values calculated in October 2023.

[2] Cleanup Criteria Requirements for Response Activity (Formerly the Part 201 Generic Cleanup Criteria and Screening Levels) found in R 299.44 Generic groundwater cleanup criteria.

NV=no value

Background Values and Groundwater Protection Standards for the Bedrock Aquifer

Parameter		Site-Specific Bedrock Background Level Upper Tolerance Limit (UTL)[1] (mg/L)	Federal Maximum Contaminant Level (mg/L)	State Non-Residential Drinking Water Cleanup Criteria for Groundwater[2] (mg/L)	State Part 201 Groundwater Surface Water Interface Criteria[2] (mg/L)	Bedrock Groundwater Protection Standards for Site (mg/L)
Sb, total	Antimony	0.005	0.006	0.006	0.13	0.006
As, total	Arsenic	0.009	0.01	0.01	0.01	0.01
Ba, total	Barium	0.081	2	2	0.8254	0.8254
Be, total	Beryllium	0.001	0.004	0.004	0.0182	0.004
B, total	Boron	3.52	NV	0.5	7.2	3.52
Cd, total	Cadmium	0.0005	0.005	0.005	0.00348	0.00348
Cr, total	Chromium	0.005	0.1	0.1	0.1208	0.1
Co, total	Cobalt	0.005	0.006	0.1	0.1	0.006
Cu, total	Copper	0.005	1.3	1	0.0149	0.0149
Fe, total	Iron	3.04	0.3	0.3	NV	3.04
Pb, total	Lead	0.003	0.015	0.004	0.0912	0.004
Li, total	Lithium	0.051	0.04	0.35	0.440	0.051
Hg, total	Mercury	0.0002	0.002	0.002	0.0000013	0.0000013
Mo, total	Molybdenum	0.011	0.1	0.21	3.2	0.1
Ni, total	Nickel	0.011	NV	0.1	0.220	0.1
Se, total	Selenium	0.005	0.05	0.05	0.005	0.005
Ag, total	Silver	0.0005	0.1	0.098	0.0002	0.0002
Tl, total	Thallium	0.002	0.002	0.002	0.0037	0.002
V, total	Vanadium	0.005	NV	0.062	0.027	0.027
Zn, total	Zinc	0.042	5	5	0.5008	0.5008
Ca	Calcium	69.6	NV	NV	NV	69.6
F	Fluoride	1	4	2	NV	2
Cl	Chloride	94.306	250	250	50	94.306
SO_4	Sulfate	5	250	250	NV	250
TDS	Total Dissolved Solids	380	500	500	500	500
Ra226/228	Radium 226 and 228 combined	5.5 pCi/L	5 pCi/L	NV	NV	5.5 pCi/L

[1] Calculated by pooling wells MW-11B and MW-12B, through February 9, 2023, data. BTVs calculated in October 2023.
[2] Cleanup Criteria Requirements for Response Activity (Formerly the Part 201 Generic Cleanup Criteria and Screening Levels) found in R 299.44 Generic groundwater cleanup criteria.
NV=no value

Appendix C

Lab Reports Summary Tables

	Sample Location:	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
	Sample Date:	4/28/2020	5/26/2020	6/23/2020	7/21/2020	8/18/2020	9/15/2020	9/28/2020	10/12/2020	10/19/2020	10/19/2020
	Sample Type:	N	N	N	N	N	N	N	N	N	FD
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	6.81	6.62	6.75	6.85	6.89	6.9	6.77	6.78	7.15	7.15
Specific Conductivity	mS/cm	1.175	1.199	1.218	1.209	1.22	1.215	1.177	1.185	1.21	1.21
Turbidity	NTU	28.2	40.21	17.1	32.3	21.45	15.61	7.32	7.05	8.64	8.64
Dissolved Oxygen	mg/L	0	0.01	0.08	0.05	0.52	0.01	0.05	0.3	0.09	0.09
Temperature	deg C	11.3	15.2	13.5	16.5	15.6	15.5	13.8	15.1	13.9	13.9
Oxidation Reduction Potential	mV	-43.2	-28.5	-87.2	-53	-34.7	-109.8	-62.7	-59.4	-79.2	-79.2
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	5.05	5.26	8.44	6.09	6.32	8.04	5.98	6.02	6.14 J	6.15 J
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	0.036	< 0.005	< 0.005	< 0.005	0.007	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.48	0.27	0.39	0.38	0.41	0.44	0.45	0.37	0.41	0.39
Calcium	mg/L	162	180	165	156 J	161	170	153	167	156 J	150 J
Chloride	mg/L	74	52	70	64	65	59	61	59	52	53
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	6.81	6.62	6.75	6.85	6.89	6.9	6.77	6.78	7.15	7.15
Sulfate	mg/L	38	69	59	75	75	77	80	81	84	85
Total Dissolved Solids	mg/L	728	794	774	782	776	768	796	774	806	784
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.004	0.005	0.007	0.004	0.006	0.006	0.006	0.006	0.005	0.006
Barium	mg/L	0.149	0.15	0.168	0.128	0.152	0.148	0.145	0.129	0.136	0.135
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.036	0.023	0.032	0.033	0.034	0.039	0.041	0.037	0.036	0.036
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	1.1	0.34	0.518	0.299	0.4	0.618	-0.0627	0.717	0.812 J+	0.464 J-
Radium-228	pCi/L	0.518	0.457	-0.166	0.254	1.47	0.217	-0.778	0.031	0.00457 J-	1.14 J+
Radium-226/228	pCi/L	1.61	0.796	0.518	0.553	1.87	0.889	0	0.748	0.816 J-	1.61 J+
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	31	45	43	37	48	55	19	20	31	32
Bicarbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Carbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/L	--	--	--	--	--	--	--	--	--	--
Potassium	mg/L	--	--	--	--	--	--	--	--	--	--
Sodium	mg/L	--	--	--	--	--	--	--	--	--	--

	Sample Location:	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
	Sample Date:	11/6/2020	1/27/2021	5/4/2021	8/3/2021	2/1/2022	8/2/2022	2/7/2023	8/1/2023	1/29/2024	8/5/2024
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	Initial AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	6.87	6.82	6.7	6.73	6.77	6.84	6.88	6.73	6.96	6.79
Specific Conductivity	mS/cm	1.205	1.24	1.2	1.185	1.188	1.208	1.098	1.172	1.22	1.12
Turbidity	NTU	8.02	9.95	8.5	7.95	5.51	5.85	9.09	6.68	8.15	0.85
Dissolved Oxygen	mg/L	0.21	0.09	0.1	0.08	0.07	0.14	0.22	0.14	0.22	0.18
Temperature	deg C	15.9	9.8	12	15.7	11.7	14.6	10.7	15.9	10.3	17.3
Oxidation Reduction Potential	mV	-78.8	-27.5	-20.1	-63.4	-46.6	-95.2	-67.2	-64	-35.6	-50.8
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	7.12	5.45	4.84	6.61	6.92	12	9.57	7.21	2.34	3.37
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	--	0.21	0.19	0.22	0.27	0.34	0.32	0.16	0.07	0.12
Calcium	mg/L	--	173	156	153	166	158	150	169	174	178
Chloride	mg/L	--	44	48	46	52	66	61	42	26.5	33.4
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	6.87	6.82	6.7	6.73	6.77	6.84	6.88	6.73	6.96	6.79
Sulfate	mg/L	--	78	65	57	49	37	31	54	80.3	74.8
Total Dissolved Solids	mg/L	--	776	760	748	746	742	546	746	764	766
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.007	0.005	0.005	0.005	0.007	0.007	0.007	0.007	0.005	0.003
Barium	mg/L	0.133	0.121	0.113	0.109	0.122	0.155	0.14	0.11	0.079	0.079
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.034	0.019	0.015	0.016	0.021	0.027	0.031	0.014	0.006	0.007
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.533	0.504	0.56	0.301	0.816	0.715	0.3	0.0656	0.24	3.13
Radium-228	pCi/L	-0.0288	0.85	3.47	0.0172	1.76	0.891 J+	1.24	0.576	-0.206	0.277
Radium-226/228	pCi/L	0.533	1.35	4.03	0.318	2.58	1.61 J+	1.54	0.641	0.24	3.41
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	19	14	14	11	13	36	32	19.4	7	8.4
Bicarbonate	mg/L	--	--	--	--	--	650	636	690	743	700
Carbonate	mg/L	--	--	--	--	--	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	--	--	--	--	--	588	546	638	680	712
Magnesium	mg/L	--	--	--	--	--	43.1	41.3	52.7	58.1	54.6
Potassium	mg/L	--	--	--	--	--	1.14	1.08	0.96	0.89	0.9
Sodium	mg/L	--	--	--	--	--	40.4	41	30.9	22.1	21.9

	Sample Location:	MW-1	MW-1	MW-1
	Sample Date:	2/4/2025	8/6/2025	2/4/2026
	Sample Type:	N	N	N
	Gradient:	Upgradient	Upgradient	Upgradient
	Sampling Phase:	AM	AM	AM
	Fraction:	T	T	T
Constituent	Unit			
Field Parameters				
pH	su	6.93	6.67	6.78
Specific Conductivity	mS/cm	1.128	1.206	1.137
Turbidity	NTU	18.98	9.55	7.11
Dissolved Oxygen	mg/L	-0.08	0.21	0.22
Temperature	deg C	11.9	15	9.2
Oxidation Reduction Potential	mV	-67.4	-61.5	45.9
Part 115				
Copper	mg/L	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	5.7	5.5	3.5
Nickel	mg/L	< 0.0015	0.002	0.0015 J
Silver	mg/L	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	0.0027 J	< 0.00082	0.00086 J
Zinc	mg/L	0.0044 J	< 0.00093	< 0.00093
Appendix III				
Boron	mg/L	0.19	0.095 J	0.092
Calcium	mg/L	160	170	160
Chloride	mg/L	44	33	37
Fluoride	mg/L	0.11	0.11	0.083
pH (Field Measure)	su	6.93	6.67	6.78
Sulfate	mg/L	51	76	78
Total Dissolved Solids	mg/L	660	740	730
Appendix IV				
Antimony	mg/L	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.0046 J	0.0052	0.0031 J
Barium	mg/L	0.087	0.081	0.078
Beryllium	mg/L	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.000077	0.000099 J	< 0.000077
Chromium	mg/L	0.0018 J	< 0.0012	< 0.0012
Cobalt	mg/L	0.0018	0.0021	0.0016
Fluoride	mg/L	0.11	0.11	0.083
Lead	mg/L	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.011	0.0056 J	0.0057 J
Mercury	mg/L	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.0023 J	0.0017 J	0.0012 J
Radium-226	pCi/L	< 0.487	0.138	< 0.111
Radium-228	pCi/L	< 0.778	< 0.556	0.867
Radium-226/228	pCi/L	< 0.778	< 0.556	0.942
Selenium	mg/L	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	< 0.00051	< 0.00051
Other				
Total Suspended Solids	mg/L	35	13	9.3
Bicarbonate	mg/L	520	540	560
Carbonate	mg/L	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	600	660	630
Magnesium	mg/L	50	55	53
Potassium	mg/L	1.2	1 J	0.8 J
Sodium	mg/L	28	22	22

	Sample Location:	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
	Sample Date:	4/28/2020	5/26/2020	6/23/2020	7/21/2020	8/18/2020	9/15/2020	9/28/2020	10/12/2020	10/19/2020	11/6/2020
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Initial AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	6.77	6.54	6.69	6.75	6.8	6.83	6.7	6.72	7.08	6.83
Specific Conductivity	mS/cm	1.602	1.556	1.699	1.744	1.762	1.794	1.761	1.762	1.798	1.792
Turbidity	NTU	72.31	8.27	8.95	9.42	5.95	4.15	7.11	9.56	6.28	11.27
Dissolved Oxygen	mg/L	0.02	0.02	0.07	0.19	0.15	0.12	0.03	0.34	0.03	0.19
Temperature	deg C	11.6	14.2	12.9	15	13.9	13.7	12.7	14.5	12.3	14.3
Oxidation Reduction Potential	mV	-42.5	36	-40.2	32.5	38.2	-75.8	56.1	35.3	22.1	-29
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	0.91	0.67	0.48	0.44	0.62	0.51	0.51	0.67 J	0.63 J	0.54
Nickel	mg/L	0.018	0.019	0.022	0.024	0.026	0.027	0.027	0.028	0.027	0.027
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	0.041	< 0.005	< 0.005	0.007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	3.56	3.38	4.05	4.61	5.19	5.97	5.94	5.97	5.97	--
Calcium	mg/L	251	256	268	271 J	272	270	265	270	270 J	--
Chloride	mg/L	67	68	75	81	85	88	84	88	88	--
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	6.77	6.54	6.69	6.75	6.8	6.83	6.7	6.72	7.08	6.83
Sulfate	mg/L	386	386	484	549	580	560	586	560	560	--
Total Dissolved Solids	mg/L	1170	1180	1300	1390	1430	1390	1420	1390	1390	--
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.002	< 0.002	< 0.002
Barium	mg/L	0.039	0.043	0.045	0.036	0.045	0.039	0.041	0.041	0.041	0.042
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.055	0.047	0.055	0.053	0.057	0.066	0.066	0.065	0.07	0.063
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.01	0.008	0.01	0.007	0.011	0.011	0.012	0.012	0.012	0.012
Radium-226	pCi/L	0.813	0.0551	0.754	0.329	0.171	0.183	0.263	0.151	0.405	0.539
Radium-228	pCi/L	1.05	0.0833	-0.139	0.0326	0.573	-0.0154	0.0604	1.3	0.0896	0.874
Radium-226/228	pCi/L	1.86	0.138	0.754	0.362	0.745	0.183	0.323	1.45	0.495	1.41
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	1 U	< 3	< 3	14	< 3	2 U	6	3 U	10
Bicarbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Carbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/L	--	--	--	--	--	--	--	--	--	--
Potassium	mg/L	--	--	--	--	--	--	--	--	--	--
Sodium	mg/L	--	--	--	--	--	--	--	--	--	--

	Sample Location:	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
	Sample Date:	1/27/2021	5/4/2021	8/3/2021	2/1/2022	8/2/2022	2/7/2023	8/1/2023	1/29/2024	8/5/2024	2/4/2025
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	6.76	6.7	6.65	6.73	6.86	6.85	6.75	6.88	6.74	6.81
Specific Conductivity	mS/cm	1.734	1.7	1.655	1.614	1.395	1.411	1.344	1.418	1.285	1.333
Turbidity	NTU	10.15	10	9.62	9.95	9.01	8.25	2.38	17.8	11.91	6.23
Dissolved Oxygen	mg/L	0.08	0.21	0.02	0.2	1.01	0.37	0.49	0	0.3	0.23
Temperature	deg C	9.1	12	14.3	11.7	15.4	11.7	14.1	10	16.2	11.8
Oxidation Reduction Potential	mV	55.9	181.8	94.5	46.6	21	54.2	75.4	16.5	53.6	54.7
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0017
Iron	mg/L	0.49	0.55	0.66	1.93	0.93	1.3	0.79	0.52	0.35	0.22
Nickel	mg/L	0.026	0.025	0.025	0.026	0.018	0.02	0.017	0.017	0.014	0.012
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	0.007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0019 J
Appendix III											
Boron	mg/L	5.8	5.04	6.17	5.33	4.76	5.1	4.44	4.07	3.32	3.3
Calcium	mg/L	260	254	226	237	204	204	198	192	198	190
Chloride	mg/L	94	77	79	87	87	88	82	81.7	70	59
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.062
pH (Field Measure)	su	6.76	6.7	6.65	6.73	6.86	6.85	6.75	6.88	6.74	6.81
Sulfate	mg/L	506	505	504	398	330	322	278	281	238	220
Total Dissolved Solids	mg/L	1320	1250	1300	1180	1020	1050	1010	1000	950	910
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00057
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	0.004	< 0.002	0.002	0.003	< 0.002	< 0.002	< 0.00075
Barium	mg/L	0.041	0.041	0.039	0.048	0.043	0.037	0.034	0.036	0.034	0.04
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.000099 J
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0036
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.062
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.00045
Lithium	mg/L	0.067	0.061	0.058	0.058	0.051	0.05	0.049	0.041	0.041	0.038
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00013
Molybdenum	mg/L	0.01	0.009	0.012	0.011	0.013	0.015	0.014	0.01	0.012	0.01
Radium-226	pCi/L	0.296	0.366	0.17	0.63	0.29	0.184	0.423	-0.0321	3.25	< 0.303
Radium-228	pCi/L	0.713	0.15	1.02	1.49	-0.338 J+	-0.445	0.623	-0.595	-0.503	< 0.592
Radium-226/228	pCi/L	1.01	0.515	1.19	2.12	0.29 J+	0.184	1.05	0	3.25	< 0.592
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00051
Other											
Total Suspended Solids	mg/L	10	12	10	12	19	22	34.1	9.4	10.4	3.6 J
Bicarbonate	mg/L	--	--	--	--	410	454	470	550	560	460
Carbonate	mg/L	--	--	--	--	< 10	< 10	< 10	< 10	< 10	< 2.6
Hardness (as CaCO3)	mg/L	--	--	--	--	654	708	680	714	704	690
Magnesium	mg/L	--	--	--	--	50.5	50.2	50.6	48.4	50.6	50
Potassium	mg/L	--	--	--	--	2.7	0.87	0.86	0.6	0.73	0.98 J
Sodium	mg/L	--	--	--	--	61.6	68.3	64.5	50.3	46.8	46

	Sample Location:	MW-2	MW-2
	Sample Date:	8/6/2025	2/10/2026
	Sample Type:	N	N
	Gradient:	Downgradient	Downgradient
	Sampling Phase:	AM	AM
	Fraction:	T	T
Constituent	Unit		
Field Parameters			
pH	su	6.65	6.73
Specific Conductivity	mS/cm	1.367	1.204
Turbidity	NTU	20.48	16.85
Dissolved Oxygen	mg/L	0.44	0.6
Temperature	deg C	15	11
Oxidation Reduction Potential	mV	85.8	61.6
Part 115			
Copper	mg/L	< 0.0017	< 0.0017
Iron	mg/L	0.28	0.22
Nickel	mg/L	0.014	0.011
Silver	mg/L	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082
Zinc	mg/L	0.0021 J	0.0018 J
Appendix III			
Boron	mg/L	3.4	2.4
Calcium	mg/L	200	180
Chloride	mg/L	70	57
Fluoride	mg/L	0.052	0.045 J
pH (Field Measure)	su	6.65	6.73
Sulfate	mg/L	220	170
Total Dissolved Solids	mg/L	860	910
Appendix IV			
Antimony	mg/L	< 0.00057	< 0.00057
Arsenic	mg/L	0.0011 J	< 0.00075
Barium	mg/L	0.042	0.037
Beryllium	mg/L	< 0.00027	< 0.00027
Cadmium	mg/L	0.00013 J	0.0001 J
Chromium	mg/L	< 0.0012	< 0.0012
Cobalt	mg/L	0.0039	0.0036
Fluoride	mg/L	0.052	0.045 J
Lead	mg/L	< 0.00045	< 0.00045
Lithium	mg/L	0.039	0.037
Mercury	mg/L	< 0.00013	< 0.00013
Molybdenum	mg/L	0.0064	0.0069
Radium-226	pCi/L	< 0.138	< 0.173
Radium-228	pCi/L	< 0.475	< 0.957
Radium-226/228	pCi/L	< 0.475	< 0.957
Selenium	mg/L	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	< 0.00051
Other			
Total Suspended Solids	mg/L	7	4.4
Bicarbonate	mg/L	460	480
Carbonate	mg/L	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	700	640
Magnesium	mg/L	51	46
Potassium	mg/L	0.83 J	0.32 J
Sodium	mg/L	49	40

	Sample Location:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
	Sample Date:	5/4/2021	8/3/2021	2/1/2022	8/2/2022	2/7/2023	8/1/2023	1/29/2024	8/5/2024	2/6/2025	2/6/2025
	Sample Type:	N	N	N	N	N	N	N	N	N	FD
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.2	7.15	7.23	7.27	7.28	7.18	7.38	7.24	7.33	7.33
Specific Conductivity	mS/cm	1.8	1.796	1.815	1.829	1.765	1.726	1.765	1.695	1.647	1.647
Turbidity	NTU	2.1	8.01	4.83	5.19	4.15	4.95	0.98	0.02	2.48	2.48
Dissolved Oxygen	mg/L	0.1	0.03	0.16	0.17	0.35	0.12	0.08	0.09	0.09	0.09
Temperature	deg C	12	14.1	10.6	14.2	12.2	14.2	9.9	17.5	11.5	11.5
Oxidation Reduction Potential	mV	-37.5	-65.2	-40.3	-92.1	-74.2	-64.1	-55.7	-25.1	-59.9	-59.9
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0017	< 0.0017
Iron	mg/L	2.01	2.05	1.94	1.8	2.03	1.7	1.84	1.52	1.6	1.6
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0022	0.0023
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0018 J	0.0019 J
Appendix III											
Boron	mg/L	5.41	6.16	5.62	5.89	5.63	5.67	5.68	5.34	5.6	5.6
Calcium	mg/L	243	223	255	241	248	253	252	257	230	230
Chloride	mg/L	89	92	94	101	102	99	99.5	103	95	95
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.19	0.18
pH (Field Measure)	su	7.2	7.15	7.23	7.27	7.28	7.18	7.38	7.24	7.33	7.33
Sulfate	mg/L	698	727	682	704	727	675	689	732	690	670
Total Dissolved Solids	mg/L	1490	1500	1480	1440	1450	1440	1430	1430	1200	1300
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057
Arsenic	mg/L	0.003	0.003	0.003	0.003	0.003	0.004	0.006	0.003	0.0026 J	0.0023 J
Barium	mg/L	0.021	0.021	0.02	0.019	0.019	0.019	0.017	0.017	0.016	0.017
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00049 J	0.00048 J
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.19	0.18
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045
Lithium	mg/L	0.077	0.086	0.086	0.091	0.082	0.079	0.08	0.075	0.075	0.073
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013
Molybdenum	mg/L	0.162	0.153	0.164	0.162	0.182	0.166	0.176	0.156	0.15	0.15
Radium-226	pCi/L	0.437	0.152	0.554	0.355	0.566	0.176	0.0361	0.628	< 0.331 UJ	< 0.226 UJ
Radium-228	pCi/L	0.76	0.963	1.9	2.56 J+	1.61	0.236	0.837	0.413	< 0.676 UJ	< 0.598 UJ
Radium-226/228	pCi/L	1.2	1.11	2.45	2.92 J+	2.18	0.412	0.873	1.04	< 0.676 UJ	< 0.598 UJ
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051
Other											
Total Suspended Solids	mg/L	3	1 U	2 U	4	< 3	3.3	3.2	3.3	4.1	4 J
Bicarbonate	mg/L	--	--	--	210	215	210	228	240	180	180
Carbonate	mg/L	--	--	--	< 10	< 10	< 10	< 10	< 10	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	--	--	--	784	795	794	774	802	760	760
Magnesium	mg/L	--	--	--	45.9	46.5	49.8	50.7	49.2	46	46
Potassium	mg/L	--	--	--	1.67	1.67	1.73	1.81	1.67	1.5	1.5
Sodium	mg/L	--	--	--	111	113	121	119	119	110	110

	Sample Location:	MW-3	MW-3
	Sample Date:	8/6/2025	2/10/2026
	Sample Type:	N	N
	Gradient:	Downgradient	Downgradient
	Sampling Phase:	AM	AM
	Fraction:	T	T
Constituent	Unit		
Field Parameters			
pH	su	7.17	7.28
Specific Conductivity	mS/cm	1.688	1.646
Turbidity	NTU	2.11	1.4
Dissolved Oxygen	mg/L	0.16	0.51
Temperature	deg C	15.1	10.8
Oxidation Reduction Potential	mV	-70.2	-70
Part 115			
Copper	mg/L	0.0029	< 0.0017
Iron	mg/L	1.4	1.7
Nickel	mg/L	0.0032	0.0029
Silver	mg/L	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082
Zinc	mg/L	0.0023 J	0.0013 J
Appendix III			
Boron	mg/L	5.9	5
Calcium	mg/L	220	220
Chloride	mg/L	90	95
Fluoride	mg/L	0.16	0.13
pH (Field Measure)	su	7.17	7.28
Sulfate	mg/L	640	670
Total Dissolved Solids	mg/L	1100	1300
Appendix IV			
Antimony	mg/L	< 0.00057	< 0.00057
Arsenic	mg/L	0.0031 J	0.0024 J
Barium	mg/L	0.016	0.013
Beryllium	mg/L	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.000077	< 0.000077
Chromium	mg/L	< 0.0012	< 0.0012
Cobalt	mg/L	0.00068 J	0.00043 J
Fluoride	mg/L	0.16	0.13
Lead	mg/L	0.00067 J	< 0.00045
Lithium	mg/L	0.083	0.074
Mercury	mg/L	< 0.00013	< 0.00013
Molybdenum	mg/L	0.15	0.15
Radium-226	pCi/L	< 0.119	< 0.12
Radium-228	pCi/L	< 0.683	< 0.869
Radium-226/228	pCi/L	< 0.683	< 0.869
Selenium	mg/L	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	< 0.00051
Other			
Total Suspended Solids	mg/L	2.9 J	4.1
Bicarbonate	mg/L	190	190
Carbonate	mg/L	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	740	710
Magnesium	mg/L	44	40
Potassium	mg/L	1.4 J	0.67 J
Sodium	mg/L	110	100

	Sample Location:	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
	Sample Date:	4/28/2020	4/28/2020	5/26/2020	5/26/2020	6/23/2020	6/23/2020	7/21/2020	7/21/2020	8/18/2020	8/18/2020
	Sample Type:	N	FD	N	FD	N	FD	N	FD	N	FD
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.18	7.18	7.13	7.13	7.11	7.11	7.23	7.23	7.24	7.24
Specific Conductivity	mS/cm	0.902	0.902	0.894	0.894	0.911	0.911	0.89	0.89	0.88	0.88
Turbidity	NTU	2.57	2.57	0.26	0.26	3.01	3.01	1.7	1.7	1.56	1.56
Dissolved Oxygen	mg/L	0.31	0.31	0.29	0.29	0.02	0.02	0.03	0.03	0.01	0.01
Temperature	deg C	10.2	10.2	14.1	14.1	13.5	13.5	14.7	14.7	14.2	14.2
Oxidation Reduction Potential	mV	-76.7	-76.7	-45.2	-45.2	-174.8	-174.8	-68.4	-68.4	-75	-75
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	1.03	1.03	1.13	1.19	1.24	1.26	1.37	1.38	1.33	1.33
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	0.031	0.035	< 0.005	< 0.005	0.006	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.05	0.05	0.06	0.06	0.06	0.05	0.06	0.05	0.06	0.06
Calcium	mg/L	113	111	115	114	108	108	105 J	102	111	107
Chloride	mg/L	70	70	72	72	72	73	72	72	70	71
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	7.18	7.18	7.13	7.13	7.11	7.11	7.23	7.23	7.24	7.24
Sulfate	mg/L	59	60	57	56	57	57	56	56	58	59
Total Dissolved Solids	mg/L	548	546	566	562	558	582	540	534	582	552
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.008	0.007
Barium	mg/L	0.157	0.155	0.165	0.168	0.165	0.17	0.146	0.147	0.166	0.167
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	< 0.01	< 0.01	0.009	0.009	0.008	0.008	0.009	0.008	< 0.01	< 0.01
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	0.005	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.839	0.953	0.599	0.265	0.368 J-	0.568 J+	0.339	1.06	0.527 J+	0.34 J-
Radium-228	pCi/L	1.08	1.38	-0.093	0.357	-0.141 J-	0.771 J+	0.863	-0.0421	2.46 J+	1.22 J-
Radium-226/228	pCi/L	1.92	2.33	0.599	0.622	0.368 J-	1.34 J+	1.2	1.06	2.99 J+	1.56 J-
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	< 3	1 U	1 U	< 3	< 3	< 3	< 3	< 3	< 3
Bicarbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Carbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/L	--	--	--	--	--	--	--	--	--	--
Potassium	mg/L	--	--	--	--	--	--	--	--	--	--
Sodium	mg/L	--	--	--	--	--	--	--	--	--	--

	Sample Location:	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
	Sample Date:	9/15/2020	9/15/2020	9/28/2020	9/28/2020	10/12/2020	10/12/2020	10/19/2020	11/6/2020	11/6/2020	1/27/2021
	Sample Type:	N	FD	N	FD	N	FD	N	N	FD	N
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Initial AM	Initial AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.28	7.28	7.14	7.14	7.13	7.13	7.87	7.22	7.22	7.14
Specific Conductivity	mS/cm	0.888	0.888	0.859	0.859	0.866	0.866	0.875	0.876	0.876	0.9
Turbidity	NTU	1.64	1.64	1.08	1.08	1.39	1.39	1.25	1.21	1.21	1.57
Dissolved Oxygen	mg/L	0.02	0.02	0.02	0.02	0.35	0.35	0.04	0.18	0.18	0.13
Temperature	deg C	13.7	13.7	13.4	13.4	14	14	12.9	14.4	14.4	9.7
Oxidation Reduction Potential	mV	-153.2	-153.2	-77.3	-77.3	-63.8	-63.8	-78.1	-119.1	-119.1	-21.9
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	1.33	1.32	1.3	1.29	1.33	1.35	1.25 J	1.32	1.34	1.15
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.07	0.07	0.07	0.07	0.06	0.05	0.06	--	--	0.05
Calcium	mg/L	108	110	102	105 J	111	110	99.7 J	--	--	112
Chloride	mg/L	68	70	69	70	71	71	68	--	--	70
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	7.28	7.28	7.14	7.14	7.13	7.13	7.87	7.22	7.22	7.14
Sulfate	mg/L	58	58	58	58	60	59	57	--	--	57
Total Dissolved Solids	mg/L	572	542	538	544	538	534	554	--	--	522
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.009	0.007	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.007
Barium	mg/L	0.163	0.163	0.163	0.168	0.151	0.155	0.16	0.16	0.159	0.157
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.01	0.01	0.01	0.011	0.01	< 0.01	0.01	0.011	0.011	0.012
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.005	< 0.005	< 0.005	0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.583 J-	1.01 J+	0.797 J+	0.175 J-	0.35	0.31	0.357	0.742	0.393	0.524 J+
Radium-228	pCi/L	0.113 J-	0.641 J+	0.839 J+	0.27 J-	1.65 J+	0.237 J-	0.232	0.0791	0.426	-0.957 J-
Radium-226/228	pCi/L	0.696 J-	1.65 J+	1.64 J+	0.445 J-	2 J+	0.547 J-	0.589	0.821	0.819	0.524 J-
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	< 3	2 U	2 U	< 3	1 U	3 U	1 U	1 U	1 U
Bicarbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Carbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/L	--	--	--	--	--	--	--	--	--	--
Potassium	mg/L	--	--	--	--	--	--	--	--	--	--
Sodium	mg/L	--	--	--	--	--	--	--	--	--	--

	Sample Location:	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
	Sample Date:	1/27/2021	5/4/2021	5/4/2021	8/3/2021	8/3/2021	2/1/2022	2/1/2022	8/2/2022	8/2/2022	2/7/2023
	Sample Type:	FD	N	FD	N	FD	N	FD	N	FD	N
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.14	7.1	7.1	7.03	7.03	7.13	7.13	7.19	7.19	7.19
Specific Conductivity	mS/cm	0.9	0.91	0.91	0.884	0.884	0.911	0.911	0.429	0.429	0.882
Turbidity	NTU	1.57	2	2	1.84	1.84	2.54	2.54	0.75	0.75	3.28
Dissolved Oxygen	mg/L	0.13	0.19	0.19	0.03	0.03	0.37	0.37	0.12	0.12	0.44
Temperature	deg C	9.7	13	13	14.4	14.4	10.6	10.6	13.8	13.8	11.5
Oxidation Reduction Potential	mV	-21.9	-22.5	-22.5	-66.4	-66.4	-34	-34	-88.8	-88.8	-44.2
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	1.21	1.23	1.27	1.43	1.46	1.26	1.23	1.53	1.54	1.31
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.05	0.05	0.05	0.08	0.07	0.07	0.06	0.06	0.07	0.06
Calcium	mg/L	109	102	107	98.4	94.6	110	110	110	109	106
Chloride	mg/L	70	72	75	68	68	72	74	75	76	74
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	7.14	7.1	7.1	7.03	7.03	7.13	7.13	7.19	7.19	7.19
Sulfate	mg/L	57	56	58	52	53	54	53	51	52	56
Total Dissolved Solids	mg/L	514	532	526	568	570	548	540	554	574	532
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.007	0.006	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.007
Barium	mg/L	0.153	0.156	0.156	0.155	0.159	0.163	0.162	0.167	0.165	0.166
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.01	< 0.01	0.011	0.01	0.01	0.01	0.011	0.009	0.009	0.011
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	0.009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.297 J-	2.12	0.626	0.232 J-	0.532 J+	0.606 J+	0.322 J-	0.393	0.457	0.701
Radium-228	pCi/L	0.956 J+	2.89	-0.91	-0.362 J-	1.81 J+	2.17 J+	1.41 J-	-0.793 J	2.88 J+	0.692 J+
Radium-226/228	pCi/L	1.25 J+	5 J+	0.626 J-	0.232 J-	2.34 J+	2.78 J+	1.74 J-	0.393 J	3.34 J+	1.39 J+
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	1 U	< 3	1 U	1 U	2 U	1 U	3 J+	< 3 UJ	< 3
Bicarbonate	mg/L	--	--	--	--	--	--	--	400	410	406
Carbonate	mg/L	--	--	--	--	--	--	--	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	--	412	426	420
Magnesium	mg/L	--	--	--	--	--	--	--	39.3	38.8	38.3
Potassium	mg/L	--	--	--	--	--	--	--	1.41	1.41	1.39
Sodium	mg/L	--	--	--	--	--	--	--	28.9	28.3	28.5

	Sample Location:	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
	Sample Date:	2/7/2023	8/1/2023	8/1/2023	1/29/2024	8/5/2024	2/4/2025	8/11/2025	8/11/2025	2/4/2026
	Sample Type:	FD	N	FD	N	N	N	N	FD	N
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T
Constituent	Unit									
Field Parameters										
pH	su	7.19	7.06	7.06	7.26	7.13	7.25	6.92	6.92	7.14
Specific Conductivity	mS/cm	0.882	0.893	0.893	0.92	0.832	0.872	0.904	0.904	8.56
Turbidity	NTU	3.28	1.97	1.97	1.01	1.97	1.33	1.97	1.97	1.26
Dissolved Oxygen	mg/L	0.44	0.08	0.08	0.31	0.26	0.29	0.19	0.19	0.49
Temperature	deg C	11.5	14.1	14.1	10.2	15.8	10.7	15	15	10
Oxidation Reduction Potential	mV	-44.2	-68.3	-68.3	-55.1	-73.2	-50.7	-74.8	-74.8	73.1
Part 115										
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	1.3	1.39	1.44	1.09	1.44	0.96	1.4	1.4	1
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0015	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0014 J	0.0012 J+	< 0.00093 UJ	< 0.00093
Appendix III										
Boron	mg/L	0.06	0.08	0.06	0.07	0.06	0.073 J	0.066 J	0.068 J	0.067
Calcium	mg/L	106	112	114	110	115	110	110	110	110
Chloride	mg/L	75	77	77	73.6	76.2	66	69	69	70
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	0.15	0.17	0.16	0.15
pH (Field Measure)	su	7.19	7.06	7.06	7.26	7.13	7.25	6.92	6.92	7.14
Sulfate	mg/L	56	52	52	57.5	53.4	56	51	51	55
Total Dissolved Solids	mg/L	530	558	572	556	588	510	480	510	520
Appendix IV										
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00065 J	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.007	0.007	0.008	0.009	0.008	0.0056	0.007	0.0062	0.0065
Barium	mg/L	0.163	0.169	0.166	0.159	0.162	0.16	0.15	0.15	0.16
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.000085 J	0.000082 J+	< 0.000077 UJ	0.00012 J
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00023 J	0.00028 J	0.00025 J	0.00026 J
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	0.15	0.17	0.16	0.15
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.01	0.009	0.01	0.012	0.011	0.011	0.01	0.01	0.01
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0047 J	0.0041 J	0.0037 J	0.0046 J
Radium-226	pCi/L	0.898	0.744	0.501	0.434	1.59	< 0.305	< 0.39 UJ	< 0.314 UJ	0.154
Radium-228	pCi/L	-0.593 J-	0.877 J+	0.0402 J-	-0.253	1.86	0.727	0.841 J+	0.524 J-	0.987
Radium-226/228	pCi/L	0.898 J-	0.744 J+	0.541 J-	0.434	3.44	0.995	1.12 J+	0.682 J-	1.14
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051	0.00094 J
Other										
Total Suspended Solids	mg/L	< 3	1.8	2.1	1.5	2.4	1.4 J	2 J-	3.2 J+	1.8 J
Bicarbonate	mg/L	407	420	400	416	420	320	320	320	340
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	431	450	434	428	442	420	420	420	430
Magnesium	mg/L	38.9	39.6	40.5	38.9	40.8	37	38	38	39
Potassium	mg/L	1.41	1.45	1.49	1.47	1.41	1.4	1.5 J	1.4 J	1.2 J
Sodium	mg/L	28.2	31.2	31.7	33.9	33.2	31	31	32	31

	Sample Location:	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
	Sample Date:	4/28/2020	5/26/2020	6/23/2020	7/21/2020	8/18/2020	9/15/2020	9/28/2020	10/12/2020	10/19/2020	11/6/2020
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Initial AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.27	7.24	7.31	7.34	7.3	7.17	6.71	7.34	7.45	7.16
Specific Conductivity	mS/cm	1.576	1.882	1.97	1.869	1.75	1.893	1.945	2.493	1.425	2.234
Turbidity	NTU	179.57	69.71	17.91	15.1	20.25	19.02	15.75	12.35	9.58	18.49
Dissolved Oxygen	mg/L	0.55	0.65	2.61	3.85	2.5	0.64	1.27	3.49	4.25	1.02
Temperature	deg C	11.6	13.9	15.2	17.5	12.7	12.3	12.5	15.5	11.6	12.5
Oxidation Reduction Potential	mV	-33	28.7	-34.8	58.4	69.5	-24.8	180.1	-31.2	130.2	17.5
Part 115											
Copper	mg/L	0.009	< 0.005	< 0.005	0.026	0.005	< 0.005	< 0.005	0.011	< 0.005	< 0.005
Iron	mg/L	8	1.93	0.39	0.27	2.45	0.21	0.18	1.74	0.18 J	< 0.02
Nickel	mg/L	0.019	0.016	0.013	0.011	0.013	0.011	0.016	0.018	0.014	0.007
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	0.012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	0.023	0.033	0.026	0.007	0.011	< 0.005	0.006	0.014	< 0.005	< 0.005
Appendix III											
Boron	mg/L	4.99	5.19	4.59	4.57	4.48	5	5.09	5	5.75	--
Calcium	mg/L	245	320	289	251 J	266	266	283	372	319 J	--
Chloride	mg/L	68	82	75	80	76	77	78	81	83	--
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	7.27	7.24	7.31	7.34	7.3	7.17	6.71	7.34	7.45	7.16
Sulfate	mg/L	591	930	931	877	714	791	873	1080	1170	--
Total Dissolved Solids	mg/L	1280	1770	1720	1640	1520	1540	1660	1960	2020	--
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.005	0.002	< 0.002	< 0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Barium	mg/L	0.064	0.056	0.049	0.041	0.056	0.043	0.043	0.048	0.042	0.033
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	0.005	< 0.003	< 0.003	< 0.003	0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.091	0.051	0.061	0.074	0.085	0.091	0.07	0.054	0.046	0.057
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.096	0.051	0.05	0.052	0.067	0.053	0.044	0.038	0.035	0.032
Radium-226	pCi/L	1.1	1.08	0.223	0.811	0.3	0.773	0.759	0.709	0.6	3.3
Radium-228	pCi/L	0.187	0.28	0.302	0.721	0.253	-0.641	1.47	1.38	-0.262	0.921
Radium-226/228	pCi/L	1.29	1.36	0.524	1.53	0.552	0.773	2.23	2.09	0.6	4.22
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	161	21	23	37	20	61	6	14	7	4
Bicarbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Carbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/L	--	--	--	--	--	--	--	--	--	--
Potassium	mg/L	--	--	--	--	--	--	--	--	--	--
Sodium	mg/L	--	--	--	--	--	--	--	--	--	--

	Sample Location:	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
	Sample Date:	1/27/2021	5/4/2021	8/3/2021	2/1/2022	8/2/2022	2/7/2023	8/1/2023	1/29/2024	8/5/2024	2/4/2025
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.35	6.4	7.22	7.18	7.4	7.13	7.24	7.38	7.27	7.33
Specific Conductivity	mS/cm	1.295	1.6	1.772	1.238	1.643	1.304	1.076	1.002	1.029	1.042
Turbidity	NTU	15.25	21	9.52	14.21	20.19	23.53	15.85	25.15	24.7	12.18
Dissolved Oxygen	mg/L	2.34	2.45	2.45	3.21	5.42	3.52	3.81	3.16	4.45	2.41
Temperature	deg C	8.6	13	13.3	10.1	15.3	10.5	16.1	6.9	18.8	6.4
Oxidation Reduction Potential	mV	191.2	248.4	132.6	59.1	28.6	164.6	158	119.2	133.8	110.4
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	0.019	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0026
Iron	mg/L	0.63	0.9	1.12	4.69	0.75	0.53	1.25	0.33	1.24	0.16
Nickel	mg/L	0.01	0.01	0.01	0.008	0.011	0.006	0.006	0.005	0.007	0.0047
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.000088 J
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	0.009	< 0.005	< 0.005	< 0.005	0.005	< 0.005	0.0015 J
Zinc	mg/L	0.098	< 0.005	0.005	0.048	0.009	0.005	0.006	< 0.005	0.008	0.0037 J
Appendix III											
Boron	mg/L	4.61	3.66	4.82	0.37	4.29	3.53	2.77	2.86	2.89	3.9
Calcium	mg/L	245	221	229	70.1	223	187	173	153	160	150
Chloride	mg/L	66	73	66	43	66	56	51	37.2	36.5	34
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.11
pH (Field Measure)	su	7.35	6.4	7.22	7.18	7.4	7.13	7.24	7.38	7.27	7.33
Sulfate	mg/L	578	581	700	186	598	411	288	319	335	310
Total Dissolved Solids	mg/L	1220	1230	1390	592	1210	984	792	788	816	760
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00057
Arsenic	mg/L	< 0.002	0.002	< 0.002	0.007	< 0.002	< 0.002	< 0.002	0.004	< 0.002	< 0.00075
Barium	mg/L	0.039	0.038	0.04	0.055	0.044	0.04	0.047	0.04	0.045	0.043
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.000092 J
Chromium	mg/L	< 0.005	< 0.005	< 0.005	0.007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0014 J
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00062 J
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.11
Lead	mg/L	< 0.003	< 0.003	< 0.003	0.014	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	0.00069 J
Lithium	mg/L	0.08	0.073	0.078	0.016	0.076	0.083	0.085	0.069	0.065	0.06
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00013
Molybdenum	mg/L	0.054	0.05	0.039	0.01	0.063	0.055	0.072	0.082	0.081	0.058
Radium-226	pCi/L	0.787	0.349	0.374	0.252	0.525	0.558	0.409	0.857	1.09	< 0.285
Radium-228	pCi/L	3.2 J	0.726	0.271	1.54	0.33 J+	1.22	1.24	1.88	0.615	< 0.67
Radium-226/228	pCi/L	3.99 J	1.08	0.644	1.79	0.855 J+	1.78	1.65	2.73	1.71	< 0.67
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00051
Other											
Total Suspended Solids	mg/L	7	8	4	63	17	21	8.6	7.7	10.3	8.7
Bicarbonate	mg/L	--	--	--	--	280	320	290	298	290	240
Carbonate	mg/L	--	--	--	--	< 10	< 10	< 10	< 10	< 10	< 2.6
Hardness (as CaCO3)	mg/L	--	--	--	--	748	629	530	502	534	510
Magnesium	mg/L	--	--	--	--	54.5	42.3	38.1	33.3	36.7	34
Potassium	mg/L	--	--	--	--	3.77	4.44	4.61	4.34	4.52	4.4
Sodium	mg/L	--	--	--	--	69.5	57.4	47.8	45.6	49.1	49

	Sample Location:	MW-5	MW-5
	Sample Date:	8/6/2025	2/11/2026
	Sample Type:	N	N
	Gradient:	Downgradient	Downgradient
	Sampling Phase:	AM	AM
	Fraction:	T	T
Constituent	Unit		
Field Parameters			
pH	su	7.08	7.31
Specific Conductivity	mS/cm	0.94	0.855
Turbidity	NTU	12.2	11.15
Dissolved Oxygen	mg/L	5.74	5.21
Temperature	deg C	23.2	8.8
Oxidation Reduction Potential	mV	60.2	175.2
Part 115			
Copper	mg/L	0.0018 J	< 0.0017
Iron	mg/L	0.53	0.31
Nickel	mg/L	0.0035	0.0033
Silver	mg/L	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	0.0009 J
Zinc	mg/L	0.004 J	0.0034 J
Appendix III			
Boron	mg/L	3	3.1
Calcium	mg/L	120	130
Chloride	mg/L	37	36
Fluoride	mg/L	0.14	0.1
pH (Field Measure)	su	7.08	7.31
Sulfate	mg/L	200	230
Total Dissolved Solids	mg/L	540	590
Appendix IV			
Antimony	mg/L	< 0.00057	< 0.00057
Arsenic	mg/L	0.00087 J	< 0.00075
Barium	mg/L	0.038	0.041
Beryllium	mg/L	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.000077	< 0.000077
Chromium	mg/L	< 0.0012	< 0.0012
Cobalt	mg/L	0.00031 J	0.00032 J
Fluoride	mg/L	0.14	0.1
Lead	mg/L	0.00045 J	< 0.00045
Lithium	mg/L	0.058	0.052
Mercury	mg/L	< 0.00013	< 0.00013
Molybdenum	mg/L	0.078	0.062
Radium-226	pCi/L	< 0.154	0.177
Radium-228	pCi/L	< 0.658	< 0.813
Radium-226/228	pCi/L	< 0.658	< 0.813
Selenium	mg/L	< 0.00089	0.00097 J
Thallium	mg/L	< 0.00051	< 0.00051
Other			
Total Suspended Solids	mg/L	1.6 J	6.7
Bicarbonate	mg/L	220	270
Carbonate	mg/L	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	420	450
Magnesium	mg/L	27	29
Potassium	mg/L	3.6	3.2 J
Sodium	mg/L	37	39

Sample Location:		MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Sample Date:		4/28/2020	5/26/2020	6/23/2020	7/21/2020	8/18/2020	9/15/2020	9/28/2020	10/12/2020	10/19/2020	11/6/2020
Sample Type:		N	N	N	N	N	N	N	N	N	N
Gradient:		Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
Sampling Phase:		Background	Background	Background	Background	Background	Background	Background	Background	Background	Initial AM
Fraction:		T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	6.64	6.35	6.68	6.76	6.8	6.85	6.69	6.71	7.11	6.76
Specific Conductivity	mS/cm	0.954	0.902	1.044	1.075	1.13	1.251	1.149	1.205	1.275	1.169
Turbidity	NTU	16.71	17.8	33.6	6.61	8.99	6.95	5.42	8.45	8.35	9.69
Dissolved Oxygen	mg/L	0.05	0.01	0.09	0.09	0.05	0.04	0.02	0.24	0.04	0.18
Temperature	deg C	10.5	14.2	11.7	13.4	13	13.6	12.6	14.3	12.8	15.2
Oxidation Reduction Potential	mV	-26.9	102.4	-45.9	139.7	91.1	-66.5	59.5	88.9	91.2	12
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	0.08	0.2	0.07	0.05	0.03	< 0.02	< 0.02	< 0.02	< 0.02 UJ	< 0.02
Nickel	mg/L	0.005	< 0.005	0.007	0.007	0.008	0.007	0.008	0.007	0.007	0.007
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	0.034	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.56	0.49	0.65	0.75	0.86	1.05	0.97	0.99	1.09	--
Calcium	mg/L	142	143	154	161 J	170	192	175	189	173 J	--
Chloride	mg/L	26	24	29	33	37	43	39	41	42	--
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	6.64	6.35	6.68	6.76	6.8	6.85	6.69	6.71	7.11	6.76
Sulfate	mg/L	135	123	154	183	222	264	214	242	263	--
Total Dissolved Solids	mg/L	642	598	706	738	820	880	822	868	898	--
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Barium	mg/L	0.042	0.05	0.042	0.044	0.053	0.054	0.055	0.054	0.057	0.052
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.037	0.038	0.037	0.041	0.044	0.055	0.053	0.052	0.059	0.058
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.021	0.021	0.026	0.025	0.03	0.031	0.028	0.029	0.034	0.028
Radium-226	pCi/L	0.212	-0.0419	0.379	-0.0445	0.415	0.458	0.533	0.461	0.537	0.343
Radium-228	pCi/L	0.384	-0.481	-0.299	0.46	1.06	-0.00462	0.225	0.176	-0.866	1.36
Radium-226/228	pCi/L	0.596	0	0.379	0.46	1.48	0.458	0.758	0.637	0.537	1.7
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	6	< 3	< 3	< 3	< 3	< 3	< 3	1 U	< 3
Bicarbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Carbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/L	--	--	--	--	--	--	--	--	--	--
Potassium	mg/L	--	--	--	--	--	--	--	--	--	--
Sodium	mg/L	--	--	--	--	--	--	--	--	--	--

	Sample Location:	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
	Sample Date:	1/27/2021	5/4/2021	8/3/2021	2/1/2022	8/2/2022	2/7/2023	8/1/2023	1/29/2024	1/29/2024	8/5/2024
	Sample Type:	N	N	N	N	N	N	N	N	FD	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	6.72	7	6.51	6.69	6.79	6.74	6.71	6.78	6.78	6.79
Specific Conductivity	mS/cm	1.178	1	1.022	1.045	1.091	1.224	1.133	1.006	1.006	1.068
Turbidity	NTU	1.19	8	8.74	4.52	2.65	4.43	2.15	1.41	1.41	3.67
Dissolved Oxygen	mg/L	0.12	0.1	0.07	0.08	0.44	0.19	0.33	0.29	0.29	2.03
Temperature	deg C	11	12	13.2	13.4	14.4	12.8	14.2	10.2	10.2	15.8
Oxidation Reduction Potential	mV	122.9	70.8	168.5	68.6	18.3	30.1	202.1	96.1	96.1	117.2
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	< 0.02	< 0.02	0.02	0.04	0.02	< 0.02	0.03	< 0.02	< 0.02	< 0.02
Nickel	mg/L	0.006	0.006	0.007	0.007	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.91	0.64	0.76	0.68	0.8	0.99	0.85	0.57	0.61	0.71
Calcium	mg/L	191	149	146	160	169	193	189	161	161	191
Chloride	mg/L	38	27	27	27	35	42	39	26.5	26.5	38.4
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	6.72	7	6.51	6.69	6.79	6.74	6.71	6.78	6.78	6.79
Sulfate	mg/L	198	133	139	131	172	233	185	118	119	180
Total Dissolved Solids	mg/L	798	658	692	688	728	866	822	660	658	792
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.003	0.003	< 0.002
Barium	mg/L	0.052	0.044	0.043	0.044	0.038	0.046	0.05	0.049	0.049	0.053
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.048	0.048	0.047	0.044	0.046	0.054	0.049	0.032	0.034	0.05
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.024	0.024	0.029	0.036	0.016	0.027	0.021	0.012	0.013	0.018
Radium-226	pCi/L	0.263	0.32	0.116	0.571	0.0773	0.961	0.462	0.435 J+	0.19 J-	3.59
Radium-228	pCi/L	1.72	1.13	1.3	2.04	0.324 J+	-1.09	0.201	0.746 J-	2.24 J+	0.704
Radium-226/228	pCi/L	1.98	1.45	1.42	2.61	0.401 J+	0.961	0.663	1.18 J-	2.43 J+	4.29
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	< 3	2 U	32	< 3	< 3	1.4	< 3	< 3	1.1
Bicarbonate	mg/L	--	--	--	--	480	543	530	516	510	530
Carbonate	mg/L	--	--	--	--	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	--	--	--	--	532	624	616	522	512	638
Magnesium	mg/L	--	--	--	--	32.9	39.4	40.3	29.9	30.5	40.1
Potassium	mg/L	--	--	--	--	6.4	6.85	7.02	6.77	6.72	7.06
Sodium	mg/L	--	--	--	--	38.8	43.9	34.3	32.4	32.7	29.5

	Sample Location:	MW-6	MW-6	MW-6	MW-6	MW-6
	Sample Date:	2/4/2025	2/4/2025	8/6/2025	8/6/2025	2/10/2026
	Sample Type:	N	FD	N	FD	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T
Constituent	Unit					
Field Parameters						
pH	su	6.83	6.83	6.68	6.68	6.72
Specific Conductivity	mS/cm	1.293	1.293	1.189	1.189	1.208
Turbidity	NTU	1.3	1.3	5.18	5.18	5.13
Dissolved Oxygen	mg/L	0	0	0.37	0.37	0.32
Temperature	deg C	12.7	12.7	14.2	14.2	11.5
Oxidation Reduction Potential	mV	33.2	33.2	114	114	88.8
Part 115						
Copper	mg/L	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	< 0.013	< 0.013	0.028 J+	0.017 J-	0.019 J
Nickel	mg/L	0.0033	0.0032	0.0019 J	0.0018 J	0.0027
Silver	mg/L	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	0.002 J+	0.0011 J-	0.0012 J	0.00099 J	0.0015 J
Appendix III						
Boron	mg/L	1	0.99	0.83	0.8	0.7
Calcium	mg/L	200	190	180	180	170
Chloride	mg/L	49	49	40	41	48
Fluoride	mg/L	0.24	0.24	0.2	0.22	0.23
pH (Field Measure)	su	6.83	6.83	6.68	6.68	6.72
Sulfate	mg/L	250	240	170	170	220
Total Dissolved Solids	mg/L	900	860	780	750	830
Appendix IV						
Antimony	mg/L	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.00075	< 0.00075	0.00075 J+	< 0.00075 UJ	< 0.00075
Barium	mg/L	0.062	0.061	0.05	0.051	0.051
Beryllium	mg/L	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	0.00015 J+	0.000081 J-	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.00053 J	0.00054 J	0.00034 J	0.00037 J	0.00045 J
Fluoride	mg/L	0.24	0.24	0.2	0.22	0.23
Lead	mg/L	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.067	0.066	0.047	0.046	0.052
Mercury	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.029	0.029	0.012	0.012	0.022
Radium-226	pCi/L	0.261 J+	< 0.277 UJ	< 0.152 UJ	< 0.131 UJ	< 0.16
Radium-228	pCi/L	< 0.544 UJ	2.32 J+	< 0.633 UJ	< 0.53 UJ	< 0.96
Radium-226/228	pCi/L	< 0.544 UJ	2.49 J+	< 0.633 UJ	< 0.53 UJ	< 0.96
Selenium	mg/L	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other						
Total Suspended Solids	mg/L	< 0.4	< 0.4	0.9 J+	0.6 J-	0.8 J
Bicarbonate	mg/L	440	440	430	430	460
Carbonate	mg/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	690	680	600	600	600
Magnesium	mg/L	48	47	37	38	39
Potassium	mg/L	7.7	7.7	6.5	6.8	6.5
Sodium	mg/L	38	38	29	30	32

	Sample Location:	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
	Sample Date:	6/15/2021	7/20/2021	8/24/2021	9/28/2021	11/2/2021	12/7/2021	1/11/2022	2/17/2022	8/2/2022	2/8/2023
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	8.18	7.4	7.4	7.47	7.37	7.47	7.56	7.24	7.58	7.58
Specific Conductivity	mS/cm	0.879	0.9	0.916	0.925	0.462	0.972	0.964	1.129	0.965	0.78
Turbidity	NTU	1.71	5	5.37	16.01	5.18	2.2	2.49	2.21	2.65	3.53
Dissolved Oxygen	mg/L	0.03	< 0.1	0.01	0.02	0	0.02	0.49	0.01	0.16	0.04
Temperature	deg C	12.9	14	17	14.3	13	11	9.1	6.2	14.6	9.9
Oxidation Reduction Potential	mV	-142.1	-117.2	-139.5	-128.3	-146.5	-157.1	-112.6	-36.9	-129	-81.3
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	1.34	1.25	1.31	1.37	1.49	1.5	1.52	2.81	1.19	1
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	0.007	0.014	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.007	< 0.005
Appendix III											
Boron	mg/L	1.88	1.78	1.89	1.81	2.12	2.19	2.14	2.75	1.43	1.36
Calcium	mg/L	110	111	112	108	122	126	121	149	104	98.8
Chloride	mg/L	73	74	74	75	73	72.2	78	75	98	82
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	0.338	< 1	< 1	< 1	< 1
pH (Field Measure)	su	8.18	7.4	7.4	7.47	7.37	7.47	7.56	7.24	7.58	7.58
Sulfate	mg/L	189	181	184	191	212	203	214	260	175	198
Total Dissolved Solids	mg/L	586	574	592	588	622	634	624	758	590	564
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.006	0.006	0.007	0.006	0.005	0.006	0.006	0.005	0.004	0.004
Barium	mg/L	0.056	0.06	0.052	0.051	0.054	0.056	0.055	0.062	0.047	0.049
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	0.338	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.089	0.096	0.093	0.097	0.1	0.1	0.1	0.112	0.086	0.073
Mercury	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.259	0.26	0.292	0.276	0.276	0.293	0.296	0.284	0.146	0.173
Radium-226	pCi/L	0.253	1.4	0.766	0.829	0.666 J	2.64	0.676	0.818	0.568	1.06
Radium-228	pCi/L	1.85 J+	3.42	0.535	2.49	0.115	0.179	-0.65	1.51	1.27 J+	4.38
Radium-226/228	pCi/L	2.11 J+	4.82	1.3	3.32	0.781 J	2.82	0.676	2.33	1.84 J+	5.44
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	1 U	< 3	< 3
Bicarbonate	mg/L	--	--	--	--	--	--	--	--	180	163
Carbonate	mg/L	--	--	--	--	--	--	--	--	< 10	< 10
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	305	290
Magnesium	mg/L	--	--	--	--	--	--	--	--	12.3	12.3
Potassium	mg/L	--	--	--	--	--	--	--	--	9.53	8.9
Sodium	mg/L	--	--	--	--	--	--	--	--	71.1	66.5

	Sample Location:	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
	Sample Date:	8/2/2023	1/30/2024	1/30/2024	8/8/2024	2/5/2025	8/8/2025	8/8/2025	2/11/2026	2/11/2026	4/21/2026
	Sample Type:	N	N	FD	N	N	N	FD	N	FD	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.44	7.09	7.09	7.42	7.36	7.21	7.21	7.34	7.34	7.52
Specific Conductivity	mS/cm	0.845	1.21	1.21	0.909	0.97	0.961	0.961	0.952	0.952	0.926
Turbidity	NTU	1.45	4.98	4.98	6.68	3.02	7.19	7.19	4.76	4.76	2.45
Dissolved Oxygen	mg/L	0.01	0.08	0.08	0.43	-0.28	0.19	0.19	0.22	0.22	0.44
Temperature	deg C	15.9	8.2	8.2	15.3	7.9	14.7	14.7	8.2	8.2	10
Oxidation Reduction Potential	mV	-146.9	-100.6	-100.6	-90	-60.4	-123.3	-123.3	98.6	98.6	-142.5
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	--
Iron	mg/L	1.04	1.91	1.89	1.4	0.9	1.2	1.3	1.1	1.2	--
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	--
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	--
Vanadium	mg/L	< 0.005	0.006	0.005	< 0.005	< 0.00082	< 0.00082 UJ	0.00088 J+	< 0.00082	< 0.00082	--
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00093	0.0013 J+	< 0.00093 UJ	< 0.00093	< 0.00093	--
Appendix III											
Boron	mg/L	1.08	1.72	1.67	2.03	2	1.9	1.8	1.7	1.7	--
Calcium	mg/L	97.2	165	159	111	110	110	100	110	110	--
Chloride	mg/L	81	82.9	81.7	87.6	81	78	78	86	86	--
Fluoride	mg/L	< 1	< 1	< 1	0.3	0.37	0.42	0.42	0.36	0.41	--
pH (Field Measure)	su	7.44	7.09	7.09	7.42	7.36	7.21	7.21	7.34	7.34	7.52
Sulfate	mg/L	172	270	267	171	190	200	200	190	190	--
Total Dissolved Solids	mg/L	548	864	866	614	610	610	600	--	560 R	590
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	--
Arsenic	mg/L	0.006	0.006	0.006	0.005	0.0027 J	0.0053	0.0055	0.0036 J	0.0036 J	--
Barium	mg/L	0.05	0.036	0.037	0.056	0.048	0.06	0.059	0.05	0.051	--
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	--
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000077	< 0.000077	0.00013 J	0.00012 J+	< 0.000077 UJ	--
Chromium	mg/L	< 0.005	< 0.005	< 0.005	0.007	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	--
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	0.00026 J	0.00016 J+	0.00013 J-	0.00016 J+	< 0.000086 UJ	--
Fluoride	mg/L	< 1	< 1	< 1	0.3	0.37	0.42	0.42	0.36	0.41	--
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	--
Lithium	mg/L	0.063	0.082	0.079	0.08	0.075	0.079	0.075	0.076	0.076	--
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	--
Molybdenum	mg/L	0.156	0.184	0.186	0.196	0.17	0.16	0.16	0.15	0.15	--
Radium-226	pCi/L	0.619	0 J-	0.693 J+	0.946	0.272	< 0.449	0.36	0.176 J-	0.523 J+	--
Radium-228	pCi/L	1.18	0.514 J-	0.906 J+	0.87	< 0.726	0.629	0.647	< 0.55	< 0.621	--
Radium-226/228	pCi/L	1.8	0.514 J-	1.6 J+	1.82	0.983	1.02	1.01	0.718 J-	1.13 J+	--
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	--
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051	0.0007 J+	< 0.00051 UJ	--
Other											
Total Suspended Solids	mg/L	< 3	2.6	3.3	< 3	0.6 J	< 0.4 UJ	1.2 J+	--	1.5 R	< 0.4
Bicarbonate	mg/L	150	334	346	240	190	180	170	200	200	--
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	--
Hardness (as CaCO3)	mg/L	289	496	510	338	320	340	320	340	350	--
Magnesium	mg/L	12.1	20.5	20.4	15.1	14	16	15	16	16	--
Potassium	mg/L	9.44	5.77	5.69	9.98	7.9	8.7	8.9	7.4	7.5	--
Sodium	mg/L	68.1	83.9	83.9	72.3	67	69	71	68	68	--

	Sample Location:	MW-7
	Sample Date:	4/21/2026
	Sample Type:	FD
	Gradient:	Downgradient
	Sampling Phase:	AM
	Fraction:	T
Constituent	Unit	
Field Parameters		
pH	su	7.52
Specific Conductivity	mS/cm	0.926
Turbidity	NTU	2.45
Dissolved Oxygen	mg/L	0.44
Temperature	deg C	10
Oxidation Reduction Potential	mV	-142.5
Part 115		
Copper	mg/L	--
Iron	mg/L	--
Nickel	mg/L	--
Silver	mg/L	--
Vanadium	mg/L	--
Zinc	mg/L	--
Appendix III		
Boron	mg/L	--
Calcium	mg/L	--
Chloride	mg/L	--
Fluoride	mg/L	--
pH (Field Measure)	su	7.52
Sulfate	mg/L	--
Total Dissolved Solids	mg/L	580
Appendix IV		
Antimony	mg/L	--
Arsenic	mg/L	--
Barium	mg/L	--
Beryllium	mg/L	--
Cadmium	mg/L	--
Chromium	mg/L	--
Cobalt	mg/L	--
Fluoride	mg/L	--
Lead	mg/L	--
Lithium	mg/L	--
Mercury	mg/L	--
Molybdenum	mg/L	--
Radium-226	pCi/L	--
Radium-228	pCi/L	--
Radium-226/228	pCi/L	--
Selenium	mg/L	--
Thallium	mg/L	--
Other		
Total Suspended Solids	mg/L	< 0.4
Bicarbonate	mg/L	--
Carbonate	mg/L	--
Hardness (as CaCO3)	mg/L	--
Magnesium	mg/L	--
Potassium	mg/L	--
Sodium	mg/L	--

	Sample Location:	MW-7B	MW-7B	MW-7B	MW-7B	MW-7B	MW-7B	MW-7B	MW-7B	MW-7B	MW-7B
	Sample Date:	3/9/2022	3/9/2022	4/13/2022	4/13/2022	5/19/2022	6/23/2022	7/28/2022	9/1/2022	10/6/2022	11/10/2022
	Sample Type:	N	FD	N	FD	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	8.14	8.14	8.04	8.04	8.07	7.73	7.81	7.9	7.8	7.85
Specific Conductivity	mS/cm	0.73	0.73	0.588	0.588	0.589	0.586	0.588	0.58	0.587	0.577
Turbidity	NTU	0.02	0.02	7.01	7.01	6.25	6.01	4.05	4.2	5.25	6.01
Dissolved Oxygen	mg/L	0.85	0.85	0.26	0.26	0.1	0.09	0.11	0.67	0.16	0.12
Temperature	deg C	11.7	11.7	11	11	13.1	13.3	14.1	14	13.3	13.4
Oxidation Reduction Potential	mV	19.2	19.2	-95.1	-95.1	-135.8	-38.8	-108.9	-117.5	-98.2	-106.9
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	0.06	0.06	0.03	0.03	0.03	0.05 J	0.04	0.05	0.06	0.07
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	3.07	3.09	2.9	2.88	3.02	3.04	2.98	3.17	2.91	2.94
Calcium	mg/L	10.2	10.4	9.59	9.28	8.24	9.22	9.25	9.14	8.73	9.24
Chloride	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	8.14	8.14	8.04	8.04	8.07	7.73	7.81	7.9	7.8	7.85
Sulfate	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Total Dissolved Solids	mg/L	366	366	362	370	366	362	376	356	376	368
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	0.003	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Barium	mg/L	0.01	0.009	0.011	0.011	0.01	0.009	0.009	0.009	0.01	0.008
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	0.012	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.034	0.035	0.028	0.029	0.031	0.031	0.032	0.032	0.032	0.032
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.451	0.629	0.439	0.52	0.378	0.547	0.278	0.44	0.988	0.463
Radium-228	pCi/L	1.27	0.536	0.872	0.428	-0.123	1.88	0.136 J+	0.286	0.103	1.3
Radium-226/228	pCi/L	1.72	1.16	1.31	0.948	0.378	2.43	0.414 J+	0.726	1.09	1.77
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Bicarbonate	mg/L	390	390	390	400	400	380	390	390	390	400
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	38	40	37	51	29	31	30	29	30	29
Magnesium	mg/L	2.93	3	2.99	2.93	2.43	2.75	2.79	2.84	2.75	2.78
Potassium	mg/L	5.48	5.57	5.64	5.57	4.8	5.57	5.72	5.61	5.53	5.85
Sodium	mg/L	132	131	136	133	116	135	138	140	138	137

	Sample Location:	MW-7B	MW-7B	MW-7B	MW-7B	MW-7B	MW-7B	MW-7B
	Sample Date:	2/8/2023	8/2/2023	1/30/2024	8/8/2024	2/5/2025	8/8/2025	2/5/2026
	Sample Type:	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T
Constituent	Unit							
Field Parameters								
pH	su	8.15	7.87	8.17	8	8.04	7.75	8.15
Specific Conductivity	mS/cm	0.577	0.565	0.579	0.585	0.559	0.584	0.518
Turbidity	NTU	3.12	0.98	6.39	9.44	6.11	4.19	3.44
Dissolved Oxygen	mg/L	0.07	0.02	0.1	0.3	-0.19	0.18	0.18
Temperature	deg C	11.2	14.9	9.4	14.3	10.1	14.3	9.6
Oxidation Reduction Potential	mV	-130.1	-138.4	-153	-114.8	-119.4	-141.1	-122.5
Part 115								
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	0.08	0.09	0.09	0.12	0.095 J	0.084 J	0.065 J
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	0.0011 J	< 0.00093	< 0.00093
Appendix III								
Boron	mg/L	3	3.06	2.92	2.95	2.8	3	2.8
Calcium	mg/L	8.77	9.36	8.83	8.87	7.6	8	8.3
Chloride	mg/L	< 5	< 5	1.9	1.9	0.82 J	0.92 J	0.95 J
Fluoride	mg/L	< 1	< 1	0.3	0.6	0.74	0.81	0.8
pH (Field Measure)	su	8.15	7.87	8.17	8	8.04	7.75	8.15
Sulfate	mg/L	< 5	< 5	1.3	1.1	2.4	0.55 J	0.37 J
Total Dissolved Solids	mg/L	362	356	372	358	350	360	350
Appendix IV								
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	< 0.002	0.003	< 0.002	< 0.00075	0.0021 J	< 0.00075
Barium	mg/L	0.009	0.008	0.008	0.008	0.0075	0.0077	0.0076
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00027	0.00027 J	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000077	0.00015 J	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.000086	0.0001 J	< 0.000086
Fluoride	mg/L	< 1	< 1	0.3	0.6	0.74	0.81	0.8
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.032	0.031	0.033	0.032	0.031	0.033	0.031
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0011	< 0.0011	< 0.0011
Radium-226	pCi/L	0.504	0.434	0.355	0.623	< 0.279	< 0.416	0.225
Radium-228	pCi/L	-0.879	1.13	1.01	0.207	2.61	< 0.623	0.742
Radium-226/228	pCi/L	0.504	1.57	1.36	0.83	2.73	< 0.623	0.967
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051
Other								
Total Suspended Solids	mg/L	< 3	< 3	1	1	0.9 J	0.7 J	< 0.4
Bicarbonate	mg/L	418	400	395	380	310	290	330
Carbonate	mg/L	< 10	< 10	< 10	< 10	8	22	< 2.6
Hardness (as CaCO3)	mg/L	29	38	29.5	27	< 33	< 33	< 33
Magnesium	mg/L	2.81	2.81	2.69	2.65	2.4	2.5	2.6
Potassium	mg/L	5.58	5.78	5.63	5.71	5.3	5.2	4.8
Sodium	mg/L	142	146	87.5	139	130	130	130

	Sample Location:	MW-7C	MW-7C	MW-7C	MW-7C	MW-7C	MW-7C	MW-7C	MW-7C	MW-7C	MW-7C
	Sample Date:	3/10/2022	3/10/2022	4/14/2022	5/19/2022	6/23/2022	7/28/2022	9/1/2022	10/6/2022	11/10/2022	2/8/2023
	Sample Type:	N	FD	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.32	7.32	7.51	7.49	7.28	7.24	7.3	7.23	7.35	7.41
Specific Conductivity	mS/cm	2.01	2.01	1.811	1.758	1.651	1.672	1.7	1.33	1.678	1.537
Turbidity	NTU	0.02	0.02	5.87	3.95	2.59	1.97	2.8	4.2	4.01	7.29
Dissolved Oxygen	mg/L	1.77	1.77	0.23	0.07	0.08	0.09	0.61	0.12	0.09	0.09
Temperature	deg C	12.3	12.3	11	13.7	13.8	14.3	16	13.7	13.8	11.3
Oxidation Reduction Potential	mV	-39	-39	-121.4	-182.8	-110.2	-151.5	-136.4	-128.8	-120.4	-111.5
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	4.15	4.11	4.34	4.28	3.77 J	3.84	4.11	3.81	4.11	3.67
Nickel	mg/L	0.01	0.011	0.008	0.008	0.007	0.008	0.008	0.007	0.007	0.007
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	0.007	< 0.005	< 0.005	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	6.54	6.55	6.44	6.74	6.46	6.7	7.24	6.29	6.62	6.46
Calcium	mg/L	277	272	255	183	245	241	247	234	243	246
Chloride	mg/L	96	95	101	93	91	90	93	93	92	94
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	7.32	7.32	7.51	7.49	7.28	7.24	7.3	7.23	7.35	7.41
Sulfate	mg/L	751	761	736	723	668	660	703	675	685	687
Total Dissolved Solids	mg/L	1500	1500	1450	1420	1360	1360	1370	1360	1360	1360
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.007	0.007	0.006	0.007	0.006	0.006	0.006	0.006	0.005	0.006
Barium	mg/L	0.045	0.046	0.043	0.046	0.041	0.042	0.047	0.041	0.044	0.041
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	0.0007	< 0.0005	< 0.0005	0.0008	< 0.0005	0.0009	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.132	0.129	0.121	0.13	0.127	0.138	0.137	0.128	0.125	0.125
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.409	0.409	0.402	0.422	0.379	0.39	0.405	0.377	0.415	0.386
Radium-226	pCi/L	0.867	0.916	0.566	0.444	0.958	0.193	0.606	0.595	0.68	1.11
Radium-228	pCi/L	2.79	2.11	3.09	0.55	2.35	0.58 J+	0.204	1.39	1.08	2.17
Radium-226/228	pCi/L	3.66	3.03	3.65	0.994	3.31	0.773 J+	0.81	1.99	1.76	3.27
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	27 J+	13 J-	10	9	8	< 3	< 3	< 3	6	7
Bicarbonate	mg/L	150	160	160	170	160	160	170	150	150	172
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	840	860	812	812	777	740	764	750	754	742
Magnesium	mg/L	44.1	44.9	43.1	33.7	40	40	42.2	42.1	41	42.7
Potassium	mg/L	5.34	5.04	5.68	4.92	5.89	5.71	5.88	6.14	5.96	6.07
Sodium	mg/L	97.9	97.1	96.8	79	94.2	95.7	99.1	95.7	98.7	99.8

	Sample Location:	MW-7C	MW-7C	MW-7C	MW-7C	MW-7C	MW-7C
	Sample Date:	8/2/2023	1/30/2024	8/8/2024	2/5/2025	8/7/2025	2/10/2026
	Sample Type:	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T
Constituent	Unit						
Field Parameters							
pH	su	7.24	7.44	7.3	7.39	7.29	7.4
Specific Conductivity	mS/cm	1.619	1.563	1.514	1.574	1.612	1.558
Turbidity	NTU	0.65	5.95	8.57	5.15	6.62	6.15
Dissolved Oxygen	mg/L	0.06	0.07	0.28	-0.25	1.17	0.01
Temperature	deg C	16.4	9.2	14.7	10	15.6	10.5
Oxidation Reduction Potential	mV	-130	-134.4	-103.3	-109.9	-93.8	-141.1
Part 115							
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	4.02	4.41	4.3	3.9	2.8	3.8
Nickel	mg/L	0.007	0.008	0.007	0.0059	0.0075	0.0061
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	0.0012 J	0.0023 J	< 0.00093
Appendix III							
Boron	mg/L	6.68	6.62	6.38	6.2	6.5	5.9
Calcium	mg/L	235	238	241	220	220	220
Chloride	mg/L	93	90.1	105	83	86	88
Fluoride	mg/L	< 1	< 1	< 1	0.24	0.3	0.27
pH (Field Measure)	su	7.24	7.44	7.3	7.39	7.29	7.4
Sulfate	mg/L	656	650	663	640	630	640
Total Dissolved Solids	mg/L	1350	1330	1310	1200	1100	1200
Appendix IV							
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.007	0.01	0.007	0.0053	0.0064	0.0045 J
Barium	mg/L	0.044	0.042	0.039	0.039	0.038	0.037
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.000077	0.00016 J	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.000086	0.0002 J	< 0.000086
Fluoride	mg/L	< 1	< 1	< 1	0.24	0.3	0.27
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.126	0.126	0.119	0.11	0.11	0.11
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.397	0.409	0.388	0.35	0.36	0.34
Radium-226	pCi/L	0.795	0.768	0.887	0.425	< 0.269	0.241
Radium-228	pCi/L	0.451	0.361	0.784	1.79	1 J+	< 0.821
Radium-226/228	pCi/L	1.25	1.13	1.67	2.21	1.24	< 0.821
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051
Other							
Total Suspended Solids	mg/L	7.4	5.4	9.1	9.9	7 J	6.4
Bicarbonate	mg/L	170	167	180	140	140	150
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	779	558	770	720	720	700
Magnesium	mg/L	41.5	44.3	42.6	42	42	39
Potassium	mg/L	5.79	5.75	5.82	5.3	5.9	4.7
Sodium	mg/L	96.6	94.7	93.1	85	86	87

	Sample Location:	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D
	Sample Date:	9/30/2025	11/4/2025	12/9/2025	1/13/2026	2/17/2026	2/17/2026	3/24/2026	3/24/2026	4/28/2026	4/28/2026
	Sample Type:	N	N	N	N	N	FD	N	FD	N	FD
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.19	7.33	7.43	7.2	7.2	7.2	7.21	7.21	7.24	7.24
Specific Conductivity	mS/cm	0.555	0.524	0.581	0.551	0.532	0.532	0.557	0.557	0.518	0.518
Turbidity	NTU	3.38	7.79	8.15	6.31	6.42	6.42	4.32	4.32	2.72	2.72
Dissolved Oxygen	mg/L	0.15	0.24	0.09	0.06	0.21	0.21	0.12	0.12	0.02	0.02
Temperature	deg C	14.5	12.8	10.7	10.9	10.5	10.5	9.2	9.2	11.6	11.6
Oxidation Reduction Potential	mV	-41.2	-35.4	-64.6	-57.3	14.2	14.2	-14.1	-14.1	134.1	134.1
Part 115											
Copper	mg/L	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	0.11	0.19	0.16	0.16	0.16	0.15	0.17	0.17	0.19	0.19
Nickel	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	0.00088 J	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.00093	< 0.00093	< 0.00093	< 0.00093 UJ	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.0034	< 0.0034
Appendix III											
Boron	mg/L	1.5	1.5	1.4	1.3	1.2	1.2	1.4	1.5	1.4	1.4
Calcium	mg/L	72	71	73	72	65	60	70	69	65	68
Chloride	mg/L	2.7	2.3	2.1	1.4	1.2	1.2	1	0.99 J	0.76 J	0.76 J
Fluoride	mg/L	0.36	0.31	0.36	0.38	0.37	0.37	0.32	0.32	0.29	0.28
pH (Field Measure)	su	7.19	7.33	7.43	7.2	7.2	7.2	7.21	7.21	7.24	7.24
Sulfate	mg/L	1.8	13	20	8.6	4.6 J-	8.7 J+	1.6	1.6	1	1
Total Dissolved Solids	mg/L	280	300	300	290	290	300	290	320	280	250
Appendix IV											
Antimony	mg/L	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.0011 J	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075 UJ	0.0009 J+	< 0.00075	< 0.00075
Barium	mg/L	0.055	0.053	0.048	0.037	0.031	0.028	0.029	0.028	0.024	0.024
Beryllium	mg/L	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	0.00017 J	0.000085 J	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077 UJ	0.00015 J+	< 0.000077	< 0.000077
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.00027 J	0.00021 J	0.00022 J	< 0.000086	0.0001 J+	< 0.000086 UJ	0.00021 J	0.00018 J	< 0.000086	< 0.000086
Fluoride	mg/L	0.36	0.31	0.36	0.38	0.37	0.37	0.32	0.32	0.29	0.28
Lead	mg/L	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.033	0.036	0.034	0.035	0.034	0.032	0.038	0.038	0.049	0.041
Mercury	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.0011	0.0014 J	0.0025 J	0.0041 J	0.0017 J	0.0015 J	< 0.0011 UJ	0.0011 J+	< 0.0011	< 0.0011
Radium-226	pCi/L	< 0.307	0.538	0.387	0.527	0.516	0.518	0.525	0.589	0.69	0.826
Radium-228	pCi/L	< 0.579	0.995	1.25	0.815	< 0.649 UJ	1.04 J+	< 0.667 UJ	0.676 J+	1.49 J+	< 0.633 UJ
Radium-226/228	pCi/L	0.812	1.53	1.63	1.34	0.954 J+	1.56 J+	1.03	1.26	2.18 J+	1.36 J-
Selenium	mg/L	0.0011 J	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051 UJ	0.00078 J+	< 0.00051	< 0.00051
Other											
Total Suspended Solids	mg/L	1.6 J	2.1 J	1 J	1 J	< 0.4 UJ	0.4 J+	1.1 J+	0.9 J+	< 0.4	< 0.4
Bicarbonate	mg/L	290	310	320	320	320	320	310	310	320	320
Carbonate	mg/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	280	280	290	280	250	230	270	270	260	270
Magnesium	mg/L	25	24	26	26	22	21	24	24	23	23
Potassium	mg/L	9.5	10	11	9.6	9.3	9.5	9.4	9.5	8.7	9
Sodium	mg/L	13	14	25	17	15	15	15	15	13	14

	Sample Location:	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
	Sample Date:	6/15/2021	7/20/2021	8/24/2021	9/28/2021	11/2/2021	12/7/2021	1/11/2022	2/17/2022	8/2/2022	2/8/2023
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.78	7	6.99	7.24	7.03	7.12	7.26	6.99	7.18	7.18
Specific Conductivity	mS/cm	0.62	0.64	0.62	0.721	0.656	0.653	0.637	0.638	0.665	0.634
Turbidity	NTU	2.24	7	7.18	6.53	5.25	2.95	5.43	2	4.31	6.17
Dissolved Oxygen	mg/L	2.29	1	1.66	0.04	7.83	1.76	2.24	1.64	0.88	2.92
Temperature	deg C	10.7	14	16.4	14.3	14	11.2	9.2	5.9	14.4	9.4
Oxidation Reduction Potential	mV	72.1	280.5	325.9	112.7	228.5	122	234.6	365.3	100.5	249.8
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.11	0.1	0.08	0.21	0.08	0.05	0.04	< 0.04	0.08	0.08
Calcium	mg/L	91.2	94.6	89.8	86.5	93	98.5	98.6	100	95.3	104
Chloride	mg/L	11	17	10	59	8	4.45	< 5	< 5	15	24
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	0.0587	< 1	< 1	< 1	< 1
pH (Field Measure)	su	7.78	7	6.99	7.24	7.03	7.12	7.26	6.99	7.18	7.18
Sulfate	mg/L	25	35	17	48	16	13.8	11	11	15	32
Total Dissolved Solids	mg/L	392	384	362	414	368	370	372	382	382	430
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Barium	mg/L	0.028	0.021	0.022	0.026	0.021	0.021	0.018	0.017	0.019	0.022
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	0.0587	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	< 0.01	< 0.005	< 0.005	0.013	0.009	0.006	< 0.005	< 0.005	0.005	0.007
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002 UJ	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.011	0.006	< 0.005	0.013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.287	0.389	0.437	0.228	0.228 J	1.7	1.77	0.843	0.201	0.118
Radium-228	pCi/L	0.396 J+	-0.103	0.114	0.469	1.71	0.583	4.44	2	3.04 J+	-0.133
Radium-226/228	pCi/L	0.683 J+	0.389	0.551	0.697	1.93 J	2.28	6.21	2.84	3.24 J+	0.118
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	< 3	< 3	< 3	< 3	2 U	< 3	< 3	< 3	< 3
Bicarbonate	mg/L	--	--	--	--	--	--	--	--	410	440
Carbonate	mg/L	--	--	--	--	--	--	--	--	< 10	< 10
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	347	384
Magnesium	mg/L	--	--	--	--	--	--	--	--	28.9	31.8
Potassium	mg/L	--	--	--	--	--	--	--	--	0.57	0.53
Sodium	mg/L	--	--	--	--	--	--	--	--	12.7	14.2

	Sample Location:	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
	Sample Date:	8/2/2023	1/30/2024	8/8/2024	2/5/2025	8/7/2025	2/5/2026
	Sample Type:	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T
Constituent	Unit						
Field Parameters							
pH	su	7.06	7.14	7.1	7.17	7.01	7.09
Specific Conductivity	mS/cm	0.744	0.617	0.661	0.668	0.773	0.641
Turbidity	NTU	2.75	5.15	2.15	2.4	3.08	2.69
Dissolved Oxygen	mg/L	0.01	5.24	0.47	2.32	1.3	5.38
Temperature	deg C	14.2	7.8	14.9	8.9	15.4	7.9
Oxidation Reduction Potential	mV	114.5	116	193.6	136	-0.7	140.2
Part 115							
Copper	mg/L	< 0.005	0.01	< 0.005	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	< 0.02	< 0.02	< 0.02	< 0.013	0.045 J	0.015 J
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	0.007	< 0.005	< 0.00093	0.0018 J	< 0.00093
Appendix III							
Boron	mg/L	0.14	0.05	0.08	0.094 J	0.084 J	0.055
Calcium	mg/L	86.9	97.3	93.3	87	90	110
Chloride	mg/L	66	10.5	28.5	38	22	14
Fluoride	mg/L	< 1	< 1	< 1	0.054	0.056	0.046 J
pH (Field Measure)	su	7.06	7.14	7.1	7.17	7.01	7.09
Sulfate	mg/L	52	21.4	27.5	25	22	19
Total Dissolved Solids	mg/L	460	388	406	360	340	400
Appendix IV							
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	0.002	< 0.002	< 0.00075	0.0015 J	< 0.00075
Barium	mg/L	0.026	0.021	0.021	0.023	0.022	0.023
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	0.00031 J	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.000077	0.00021 J	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.000086	0.00037 J	< 0.000086
Fluoride	mg/L	< 1	< 1	< 1	0.054	0.056	0.046 J
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.009	< 0.005	0.005	0.01	0.0072 J	0.0045 J
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	0.0054	0.0038 J	0.002 J
Radium-226	pCi/L	0.245	0.515	0.219	< 0.329	< 0.295	< 0.131
Radium-228	pCi/L	4.3	1.33	0.454	1.34	0.849 J+	< 0.588
Radium-226/228	pCi/L	4.55	1.85	0.673	1.5	0.903	0.67
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	0.00056 J	< 0.00051
Other							
Total Suspended Solids	mg/L	< 3	< 3	< 3	0.5 J	1.1 J	0.4 J
Bicarbonate	mg/L	320	403	390	300	300	390
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	326	364	340	310	340	410
Magnesium	mg/L	25.3	28.8	26.8	24	27	33
Potassium	mg/L	0.76	< 0.5	0.52	0.78 J	0.65 J	0.31 J
Sodium	mg/L	40.9	13.9	23.9	29	16	12

	Sample Location:	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9
	Sample Date:	6/15/2021	6/15/2021	7/20/2021	7/20/2021	8/24/2021	8/24/2021	9/28/2021	9/28/2021	11/2/2021	11/2/2021
	Sample Type:	N	FD	N	FD	N	FD	N	FD	N	FD
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.74	7.74	7.2	7.2	7.21	7.21	7.28	7.28	7.14	7.14
Specific Conductivity	mS/cm	0.393	0.393	0.42	0.42	0.44	0.44	0.444	0.444	0.471	0.471
Turbidity	NTU	1.6	1.6	6.7	6.7	6.15	6.15	5.25	5.25	5.61	5.61
Dissolved Oxygen	mg/L	5.48	5.48	5.35	5.35	4.52	4.52	4.5	4.5	4.89	4.89
Temperature	deg C	12.9	12.9	17	17	19	19	17.1	17.1	13.8	13.8
Oxidation Reduction Potential	mV	164.1	164.1	310.7	310.7	329.2	329.2	171.8	171.8	238.1	238.1
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
Calcium	mg/L	62.1	64.2	66.3	67.5	69.2	68.8	71	71.5	78	80.7
Chloride	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	7.74	7.74	7.2	7.2	7.21	7.21	7.28	7.28	7.14	7.14
Sulfate	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Total Dissolved Solids	mg/L	232	240	242	232	242	256	246	244	252	268
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Barium	mg/L	0.015	0.015	0.013	0.014	0.015	0.014	0.014	0.015	0.015	0.016
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	< 0.01	< 0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002 UJ	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.625	0.646	0.189	0.166	0.266 J-	0.421 J+	0.797	0.368	0.177 J-	0.534 J+
Radium-228	pCi/L	0.218 J+	0.171 J+	0.286 J+	-0.125 J-	-0.359 J-	1.65 J+	0.453	0.846	-0.0915 J	0.483 J+
Radium-226/228	pCi/L	0.844 J+	0.817 J+	0.475 J+	0.166 J-	0.266 J-	2.07 J+	1.25	1.21	0.177 J	1.02 J+
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Bicarbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Carbonate	mg/L	--	--	--	--	--	--	--	--	--	--
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/L	--	--	--	--	--	--	--	--	--	--
Potassium	mg/L	--	--	--	--	--	--	--	--	--	--
Sodium	mg/L	--	--	--	--	--	--	--	--	--	--

	Sample Location:	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9
	Sample Date:	12/7/2021	12/7/2021	1/11/2022	1/11/2022	2/17/2022	2/17/2022	8/2/2022	2/8/2023	8/2/2023	1/30/2024
	Sample Type:	N	FD	N	FD	N	FD	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.27	7.27	7.35	7.35	7.16	7.16	7.44	7.45	7.13	7.28
Specific Conductivity	mS/cm	0.459	0.459	0.455	0.455	0.471	0.471	0.42	0.424	0.474	0.54
Turbidity	NTU	2.21	2.21	2.89	2.89	1.6	1.6	3.44	3.01	2.2	5.02
Dissolved Oxygen	mg/L	5.42	5.42	6.13	6.13	6.17	6.17	3.96	6.33	3.35	6.22
Temperature	deg C	9.5	9.5	7	7	4.7	4.7	19.2	7.3	16.5	5.3
Oxidation Reduction Potential	mV	135.9	135.9	260.1	260.1	380.9	380.9	99.2	252.1	132.5	108.1
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	0.009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
Calcium	mg/L	76.6	75.8	76.9	75	77.6	78	61.8	76.9	75.7	98.8
Chloride	mg/L	1.11	1.07	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5.5
Fluoride	mg/L	0.033	0.033	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	7.27	7.27	7.35	7.35	7.16	7.16	7.44	7.45	7.13	7.28
Sulfate	mg/L	3.58	3.52	< 5	< 5	< 5	< 5	5	< 5	6	11.9
Total Dissolved Solids	mg/L	244	246	264	266	280	276	242	274	282	348
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.003
Barium	mg/L	0.014	0.015	0.013	0.013	0.013	0.013	0.013	0.014	0.016	0.017
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	0.033	0.033	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	1.67	1.69	0.838 J-	1.22 J+	0.533	0.657	0.0527	0.372	0.305	0
Radium-228	pCi/L	0.666	0.826	1.53 J+	-0.724 J-	0.0438 J	0.283 J+	1.88 J+	1.6	-0.426	-0.442
Radium-226/228	pCi/L	2.34	2.51	2.37 J+	1.22 J-	0.576 J	0.94 J+	1.94 J+	1.97	0.305	0
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Bicarbonate	mg/L	--	--	--	--	--	--	260	336	310	378
Carbonate	mg/L	--	--	--	--	--	--	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	218	261	270	342
Magnesium	mg/L	--	--	--	--	--	--	15.2	19.4	19.5	23.3
Potassium	mg/L	--	--	--	--	--	--	1.09	0.93	1.28	0.93
Sodium	mg/L	--	--	--	--	--	--	2.41	2.86	3.84	4.11

	Sample Location:	MW-9	MW-9	MW-9	MW-9
	Sample Date:	8/8/2024	2/5/2025	8/7/2025	2/5/2026
	Sample Type:	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM
	Fraction:	T	T	T	T
Constituent	Unit				
Field Parameters					
pH	su	7.06	7.42	7.05	7.37
Specific Conductivity	mS/cm	0.585	0.596	0.66	0.487
Turbidity	NTU	2.59	5.22	3.31	2.38
Dissolved Oxygen	mg/L	3.96	5.95	4.71	7.76
Temperature	deg C	17.9	6.7	18.5	5.6
Oxidation Reduction Potential	mV	215.3	131.4	197.9	134.1
Part 115					
Copper	mg/L	< 0.005	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	< 0.02	< 0.013	< 0.013	< 0.013
Nickel	mg/L	< 0.005	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	0.0012 J	< 0.00093	< 0.00093
Appendix III					
Boron	mg/L	0.04	< 0.057	< 0.057	0.031
Calcium	mg/L	100	96	86	94
Chloride	mg/L	6.1	4.6	2.5	2.3
Fluoride	mg/L	< 1	< 0.024	< 0.024	< 0.024
pH (Field Measure)	su	7.06	7.42	7.05	7.37
Sulfate	mg/L	12.6	16	8.2	10
Total Dissolved Solids	mg/L	360	340	260	300
Appendix IV					
Antimony	mg/L	< 0.005	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	< 0.00075	0.0011 J	< 0.00075
Barium	mg/L	0.02	0.017	0.017	0.017
Beryllium	mg/L	< 0.001	< 0.00027	0.00028 J	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.000077	0.00016 J	< 0.000077
Chromium	mg/L	< 0.005	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.000086	0.00016 J	< 0.000086
Fluoride	mg/L	< 1	< 0.024	< 0.024	< 0.024
Lead	mg/L	< 0.003	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	< 0.005	< 0.0034	< 0.0034	< 0.0034
Mercury	mg/L	< 0.0002	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.005	< 0.0011	< 0.0011	< 0.0011
Radium-226	pCi/L	0.924	0.222	< 0.292	0.218
Radium-228	pCi/L	0.555	1.21	0.702 J+	0.838
Radium-226/228	pCi/L	1.48	1.44	0.789	1.06
Selenium	mg/L	< 0.005	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.00051	< 0.00051	< 0.00051
Other					
Total Suspended Solids	mg/L	< 3	0.4 J	< 0.4	< 0.4
Bicarbonate	mg/L	380	330	280	310
Carbonate	mg/L	< 10	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	340	340	300	330
Magnesium	mg/L	23.4	25	21	23
Potassium	mg/L	1.47	1	1.5 J	0.82 J
Sodium	mg/L	3.67	3	3.1	2.9

	Sample Location:	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
	Sample Date:	6/15/2021	7/20/2021	8/24/2021	9/28/2021	11/2/2021	12/7/2021	1/11/2022	2/17/2022	8/2/2022	2/8/2023
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.3	6.6	6.7	6.89	6.57	6.69	6.68	6.49	6.85	6.73
Specific Conductivity	mS/cm	0.725	0.71	0.741	0.664	0.78	0.753	0.807	0.784	0.691	0.679
Turbidity	NTU	1.79	2.3	1.95	5.99	1.29	2.09	2.98	3.76	3.57	1.88
Dissolved Oxygen	mg/L	2.05	3.3	3.2	2.43	2.83	2.89	3.92	3.61	2.82	4.03
Temperature	deg C	12	14	15.5	15	14.2	11.6	9.7	8.6	15.4	9.5
Oxidation Reduction Potential	mV	121.2	240	330.1	164.1	230.9	147.9	283.3	391.8	98.9	238
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	< 0.005	0.009	< 0.005
Appendix III											
Boron	mg/L	0.05	0.05	0.06	0.05	0.07	0.05	0.06	0.05	0.05	0.04
Calcium	mg/L	132	128	129	113	137	128	141	142	117	136
Chloride	mg/L	< 5	< 5	< 5	< 5	< 5	1.03	< 5	< 5	< 5	< 5
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	0.066	< 1	< 1	< 1	< 1
pH (Field Measure)	su	7.3	6.6	6.7	6.89	6.57	6.69	6.68	6.49	6.85	6.73
Sulfate	mg/L	12	15	14	9	17	14.5	18	16	10	13
Total Dissolved Solids	mg/L	446	410	432	376	436	428	474	482	398	494
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Barium	mg/L	0.044	0.041	0.047	0.041	0.044	0.043	0.04	0.038	0.037	0.036
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	0.066	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	< 0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Mercury	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002 UJ	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.548	0.262	0.183	0.701	0.381 J	1.46	1.59	0.894	0.195	0.407
Radium-228	pCi/L	0.123 J+	-0.994	0.187	-0.076	0.225	0.929	0.142	-0.916	0.402 J+	-0.255 J-
Radium-226/228	pCi/L	0.671 J+	0.262	0.371	0.701	0.605 J	2.39	1.73	0.894	0.597 J+	0.407 J-
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Bicarbonate	mg/L	--	--	--	--	--	--	--	--	440	525
Carbonate	mg/L	--	--	--	--	--	--	--	--	< 10	< 10
Hardness (as CaCO3)	mg/L	--	--	--	--	--	--	--	--	382	461
Magnesium	mg/L	--	--	--	--	--	--	--	--	23.6	29.5
Potassium	mg/L	--	--	--	--	--	--	--	--	0.73	0.62
Sodium	mg/L	--	--	--	--	--	--	--	--	2.24	2.54

	Sample Location:	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
	Sample Date:	2/8/2023	8/2/2023	8/2/2023	1/30/2024	8/8/2024	8/8/2024	2/5/2025	8/7/2025	2/4/2026
	Sample Type:	FD	N	FD	N	N	FD	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T
Constituent	Unit									
Field Parameters										
pH	su	6.73	6.52	6.52	6.81	6.85	6.85	6.87	6.75	6.56
Specific Conductivity	mS/cm	0.679	0.739	0.739	0.695	0.625	0.625	0.657	0.775	0.649
Turbidity	NTU	1.88	2.34	2.34	4.91	3.51	3.51	3.19	2.62	4.71
Dissolved Oxygen	mg/L	4.03	3.15	3.15	4.29	2.53	2.53	4.74	2.73	6.24
Temperature	deg C	9.5	14.4	14.4	8.4	15.8	15.8	9.8	16.5	9
Oxidation Reduction Potential	mV	238	163.5	163.5	100.1	272.9	272.9	143.6	166.2	71.1
Part 115										
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.013	< 0.013	0.041 J
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	0.001 J
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00093	0.0016 J	< 0.00093
Appendix III										
Boron	mg/L	0.05	0.05	0.06	0.04	0.06	0.06	< 0.057	0.059 J	0.041
Calcium	mg/L	140	131	129	118	119	116	120	110	120
Chloride	mg/L	< 5	6	6	9.3	2.2	2.2	1.5	1.5	1.6
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	0.05	0.083	0.048 J
pH (Field Measure)	su	6.73	6.52	6.52	6.81	6.85	6.85	6.87	6.75	6.56
Sulfate	mg/L	13	18	17	27.8	10.6	10.6	14	8.9	17
Total Dissolved Solids	mg/L	482	452	450	452	384	392	360	340	400
Appendix IV										
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	0.002	< 0.002	< 0.002	< 0.00075	0.00095 J	< 0.00075
Barium	mg/L	0.036	0.037	0.037	0.041	0.033	0.035	0.03	0.033	0.029
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000077	0.000099 J	0.0002 J
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.000086	0.000086 J	0.00012 J
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	0.05	0.083	0.048 J
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0034	< 0.0034	< 0.0034
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0011	< 0.0011	< 0.0011
Radium-226	pCi/L	0.443	0.519 J-	0.84 J+	0.366	0.528	0.129	< 0.236	< 0.29	< 0.12
Radium-228	pCi/L	0.758 J+	-0.799 J-	0.502 J+	2.54	2.77 J+	2.21 J-	2.43	0.853 J+	0.914
Radium-226/228	pCi/L	1.2 J+	0.519 J-	1.34 J+	2.91	3.3 J+	2.34 J-	2.51	0.906	1
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0015 J	0.0013 J	0.0021 J
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	0.0011
Other										
Total Suspended Solids	mg/L	< 3	< 3	< 3	< 3	< 3	< 3	< 0.4	0.5 J	< 0.4
Bicarbonate	mg/L	522	450	450	449	420	430	370	340	380
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	460	433	420	396	386	386	390	380	400
Magnesium	mg/L	29.2	25.8	25.6	27	22.8	22.5	24	23	26
Potassium	mg/L	0.7	0.68	0.68	< 0.5	1	0.99	0.71 J	0.77 J	0.38 J
Sodium	mg/L	2.73	4.55	4.64	19	2.72	2.67	3.2	2.6	4.1

	Sample Location:	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
	Sample Date:	2/23/2022	2/23/2022	3/30/2022	3/30/2022	5/4/2022	6/8/2022	6/8/2022	7/13/2022	7/13/2022	8/17/2022
	Sample Type:	N	FD	N	FD	N	N	FD	N	FD	N
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	6.84	6.84	6.64	6.64	6.78	6.76	6.76	6.73	6.73	6.88
Specific Conductivity	mS/cm	1.083	1.083	1.119	1.119	1.093	1.11	1.11	1.008	1.008	1.117
Turbidity	NTU	9.65	9.65	8.95	8.95	9.22	6.98	6.98	3.02	3.02	4.01
Dissolved Oxygen	mg/L	0.01	0.01	0.07	0.07	0.06	0.56	0.56	0.08	0.08	0.21
Temperature	deg C	9.5	9.5	9.8	9.8	12	11.3	11.3	12.8	12.8	14.4
Oxidation Reduction Potential	mV	-88.9	-88.9	-83.9	-83.9	-103.4	-109.6	-109.6	-97.3	-97.3	-129.8
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	22.2	22	23.2	23	23.5	21.4	21.9	22	21.8 J	21.4
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.009	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.22	0.22	0.2	0.22	0.21	0.22	0.22	0.21	0.2	0.21
Calcium	mg/L	136	130	138	140	144	139	138	134	135	140
Chloride	mg/L	67	67	67	67	63	63	63	61	62	63
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	6.84	6.84	6.64	6.64	6.78	6.76	6.76	6.73	6.73	6.88
Sulfate	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Total Dissolved Solids	mg/L	632	532	642	636	612	644	654	666	644	368
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.018	0.018	0.018	0.017	0.02	0.018	0.018	0.019	0.018	0.021
Barium	mg/L	0.147	0.146	0.144	0.145	0.146	0.142	0.144	0.143	0.147	0.15
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.273 J-	0.472 J+	0.358 J-	0.603 J+	0.545	0.618 J	1.52 J	0.325 J+	0.942 J+	0.542 J-
Radium-228	pCi/L	0 J-	0.248 J+	0.757 J+	-0.419 J	0.479 J	0.573 J	0.63 J	0.925	0.383	0.0495 J-
Radium-226/228	pCi/L	0.273 J-	0.72 J+	1.11 J+	0.603 J-	1.02	1.19 J	2.15 J	1.25 J+	1.33 J+	0.591 J-
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	48	41	32	32	23	32	31	29	28	20
Bicarbonate	mg/L	--	--	--	--	610	595	593	600	610	620
Carbonate	mg/L	--	--	--	--	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	--	--	--	--	506	495	490	503	512	529
Magnesium	mg/L	--	--	39	37.8	40.8	39.4	39.1	38.8	38.3	39.8
Potassium	mg/L	--	--	1.47	1.45	1.38	1.3	1.32	1.31	1.3	1.38
Sodium	mg/L	--	--	40.4	39.6	39.7	37.5	38.8	38.9	37	38.7

	Sample Location:	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
	Sample Date:	8/17/2022	9/21/2022	9/21/2022	10/26/2022	10/26/2022	2/9/2023	8/3/2023	1/31/2024	8/5/2024	2/4/2025
	Sample Type:	FD	N	FD	N	FD	N	N	N	N	N
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	6.88	6.91	6.91	6.77	6.77	7.43	6.74	6.77	6.79	6.77
Specific Conductivity	mS/cm	1.117	1.122	1.122	1.075	1.075	1.082	1.095	1.084	1.052	1.032
Turbidity	NTU	4.01	5.25	5.25	5.78	5.78	25.29	0.98	7.22	0.02	6.15
Dissolved Oxygen	mg/L	0.21	0.18	0.18	0.37	0.37	0.33	0.06	0	0.14	0.02
Temperature	deg C	14.4	15.7	15.7	12.2	12.2	10.9	13.8	11.1	15.2	10.9
Oxidation Reduction Potential	mV	-129.8	-122.9	-122.1	-99.1	-99.1	-191.1	-97.1	-177.2	-86.5	-100.1
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0017
Iron	mg/L	20.9	21.5	20.8	19.8	20.6	15.5	24.3	25.1	23.1	20
Nickel	mg/L	< 0.005	< 0.005	< 0.005	0.007 J+	< 0.005 UJ	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0015
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0025 J
Zinc	mg/L	< 0.005	0.005	0.006	0.018 J+	0.006 J-	< 0.005	0.007	< 0.005	< 0.005	< 0.00093
Appendix III											
Boron	mg/L	0.2	0.22	0.22	0.21	0.21	0.21	0.2	0.19	0.19	0.21
Calcium	mg/L	138	141	142	138	139	140	140	138	145	130
Chloride	mg/L	64	61	62	62	62	59	62	68	62	56
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.17
pH (Field Measure)	su	6.88	6.91	6.91	6.77	6.77	7.43	6.74	6.77	6.79	6.77
Sulfate	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.35
Total Dissolved Solids	mg/L	344	652	658	664	664	668	682	660	678	580
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00057
Arsenic	mg/L	0.019	0.021	0.02	0.02	0.02	0.017	0.017	0.019	0.019	0.017
Barium	mg/L	0.146	0.167	0.165	0.158	0.154	0.151	0.17	0.181	0.174	0.18
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00044 J
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.17
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.00045
Lithium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.005	< 0.005	< 0.005	< 0.005	< 0.0034
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00013
Molybdenum	mg/L	< 0.005	< 0.005 UJ	0.005 J+	< 0.005	< 0.005	0.006	< 0.005	< 0.005	< 0.005	0.0038 J
Radium-226	pCi/L	0.971 J+	0.396	0.443	0.981	0.59	0.194	1.58	0.528	1.61	< 0.441
Radium-228	pCi/L	0.835 J+	0.0525 J-	0.994 J+	1.53	1.18	0.824	1.58	0.161	0.702	< 0.654
Radium-226/228	pCi/L	1.81 J+	0.449 J-	1.44 J+	2.51	1.77	1.02	3.16	0.689	2.31	0.792
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00051
Other											
Total Suspended Solids	mg/L	23	23	20	29	32	35	19.8	40.6	46	44
Bicarbonate	mg/L	630	600	620	601	604	645	630	680	620	460
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 2.6
Hardness (as CaCO3)	mg/L	502	512	508	512	518	509	538	524	518	480
Magnesium	mg/L	39	40.8	39.6	39.4	39.3	40.5	41.2	37.4	41.3	37
Potassium	mg/L	1.34	1.55	1.52	1.47	1.45	11.4	3.01	2.61	1.7	1.4
Sodium	mg/L	37.8	39.7	38.5	39.1	38.3	37.5	37.4	35.4	35.1	36

	Sample Location:	MW-11	MW-11
	Sample Date:	8/6/2025	2/4/2026
	Sample Type:	N	N
	Gradient:	Upgradient	Upgradient
	Sampling Phase:	AM	AM
	Fraction:	T	T
Constituent	Unit		
Field Parameters			
pH	su	6.85	6.67
Specific Conductivity	mS/cm	1.12	1.006
Turbidity	NTU	3.85	5.36
Dissolved Oxygen	mg/L	1.07	0.22
Temperature	deg C	14.8	10.6
Oxidation Reduction Potential	mV	-65.9	-11.4
Part 115			
Copper	mg/L	< 0.0017	< 0.0017
Iron	mg/L	20	19
Nickel	mg/L	< 0.0015	< 0.0015
Silver	mg/L	< 0.000053	< 0.000053
Vanadium	mg/L	0.0025 J	0.0027 J
Zinc	mg/L	0.0014 J	0.0024 J
Appendix III			
Boron	mg/L	0.2	0.22
Calcium	mg/L	130	140
Chloride	mg/L	55	57
Fluoride	mg/L	0.27	0.15
pH (Field Measure)	su	6.85	6.67
Sulfate	mg/L	< 0.35	< 0.35
Total Dissolved Solids	mg/L	540	560
Appendix IV			
Antimony	mg/L	< 0.00057	< 0.00057
Arsenic	mg/L	0.022	0.019
Barium	mg/L	0.15	0.18
Beryllium	mg/L	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.000077	0.000091 J
Chromium	mg/L	< 0.0012	< 0.0012
Cobalt	mg/L	0.00057 J	0.0005 J
Fluoride	mg/L	0.27	0.15
Lead	mg/L	< 0.00045	< 0.00045
Lithium	mg/L	< 0.0034	< 0.0034
Mercury	mg/L	< 0.00013	< 0.00013
Molybdenum	mg/L	0.0038 J	0.0046 J
Radium-226	pCi/L	< 0.181	0.296
Radium-228	pCi/L	< 0.709	< 0.937
Radium-226/228	pCi/L	< 0.709	< 1.75
Selenium	mg/L	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	< 0.00051
Other			
Total Suspended Solids	mg/L	46	46
Bicarbonate	mg/L	470	480
Carbonate	mg/L	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	500	500
Magnesium	mg/L	39	38
Potassium	mg/L	1.4 J	1.2 J
Sodium	mg/L	38	38

	Sample Location:	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B
	Sample Date:	4/28/2022	4/28/2022	6/2/2022	6/2/2022	7/7/2022	7/7/2022	8/11/2022	8/11/2022	9/15/2022	9/15/2022
	Sample Type:	N	FD	N	FD	N	FD	N	FD	N	FD
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.95	7.95	7.28	7.28	7.15	7.15	7.37	7.37	7.33	7.33
Specific Conductivity	mS/cm	0.538	0.538	0.544	0.544	0.537	0.537	0.527	0.527	0.535	0.535
Turbidity	NTU	1.12	1.12	8.03	8.03	8.02	8.02	6.15	6.15	4.14	4.14
Dissolved Oxygen	mg/L	11.68	11.68	0.35	0.35	0.22	0.22	0.24	0.24	0.07	0.07
Temperature	deg C	12.3	12.3	13.7	13.7	14.6	14.6	13.4	13.4	13.2	13.2
Oxidation Reduction Potential	mV	228	228	-74.2	-74.2	-110.4	-110.4	-158.4	-158.4	-189.3	-189.4
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	0.1	0.11	0.96	0.98	2.59	2.66	3.04	3	2.48	2.44
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	0.011 J+	< 0.005 UJ	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	0.042 J+	< 0.005 UJ	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.62	0.63	0.65	0.66	0.69	0.71	0.77	0.75	0.73	0.72
Calcium	mg/L	64.6	63.9	63.8	65	66.1	66.1	66.6	65.6	64	64.7
Chloride	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1
pH (Field Measure)	su	7.95	7.95	7.28	7.28	7.15	7.15	7.37	7.37	7.33	7.33
Sulfate	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Total Dissolved Solids	mg/L	304	294	300	308	296	306	308	288	300	300
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.003	0.003	0.004	0.004	0.007	0.008	0.009	0.009	0.009	0.009
Barium	mg/L	0.081	0.08	0.07	0.072	0.07	0.071	0.068	0.069	0.068	0.069
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.032	0.032	0.024	0.024	0.024	0.025	0.025	0.024	0.026	0.028
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	0.005	0.005	0.007	0.007	0.007	0.006	0.006	0.006
Radium-226	pCi/L	1.01	1.44	1.72	1.79	0.638 J+	0.0501 J-	0.702	1.06	0.518	0.509
Radium-228	pCi/L	1.68	2.14	0.633	1.68	0.753 J+	0.445 J-	-1.33 J-	1.32 J+	0.773 J+	0.0951 J
Radium-226/228	pCi/L	2.69	3.59	2.35	3.47	1.39 J+	0.495 J-	0.702 J-	2.38 J+	1.29 J+	0.604 J
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	1.7 U	2.7 U	< 3	< 3	3	4	< 3 UJ	4 J+	5	5
Bicarbonate	mg/L	350	350	350	350	350	360	370	370	350	360
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	265	265	260	260	260	260	261	258	261	258
Magnesium	mg/L	24.3	24.8	23.3	23.1	24.6	24.3	24.3	24.2	23.4	23.7
Potassium	mg/L	6.07	6.12	6.08	6.07	6.28	6.24	6.4	6.31	5.98	6.24
Sodium	mg/L	13.5	13.7	17.6	17.2	17.9	17.9	17.7	17.3	16	16.2

	Sample Location:	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B
	Sample Date:	10/20/2022	10/20/2022	11/22/2022	11/22/2022	12/27/2022	12/27/2022	2/9/2023	2/9/2023	8/3/2023	1/31/2024
	Sample Type:	N	FD	N	FD	N	FD	N	FD	N	N
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.29	7.29	7.1	7.1	7.16	7.16	7.35	7.35	7.18	7.26
Specific Conductivity	mS/cm	0.535	0.535	0.532	0.532	0.515	0.515	0.522	0.522	0.527	0.53
Turbidity	NTU	5.15	5.15	6.15	6.15	8.45	8.45	7.12	7.12	0.45	2.02
Dissolved Oxygen	mg/L	0.03	0.03	0.12	0.12	0.09	0.09	0.23	0.23	0.2	0.04
Temperature	deg C	11.4	11.4	11.8	11.8	11.4	11.4	11.9	11.9	17	10.8
Oxidation Reduction Potential	mV	-138.1	-138.1	-92.6	-92.6	-94.7	-94.7	-133.1	-133.1	-95.6	-181.1
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	1.82	1.83	1.32	1.3	2.3	2.25	1.23	1.24	1.1	0.84
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.012 J+	< 0.005 UJ	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.72	0.71	0.73	0.73	0.83	0.83	0.8	0.82	0.85	0.76
Calcium	mg/L	60.3	59.9	66.3	66.2	69.6	67	65.7	66	65.6	62.7
Chloride	mg/L	< 5	< 5	1.7 U	1.7 U	< 5	< 5	< 5	< 5	< 5	2.1
Fluoride	mg/L	< 1	< 1	< 1	0.16	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	7.29	7.29	7.1	7.1	7.16	7.16	7.35	7.35	7.18	7.26
Sulfate	mg/L	< 5	< 5	2.58 U	2.78 U	< 5	< 5	< 5	< 5	< 5	4
Total Dissolved Solids	mg/L	304	314	294	268	294	268	292	294	298	296
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.008	0.008	0.007	0.007	0.008	0.007	0.006	0.006	0.006	0.005
Barium	mg/L	0.066	0.066	0.059	0.06	0.062	0.062	0.063	0.065	0.064	0.069
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	0.16	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.026	0.025	0.029	0.027	0.029	0.028	0.031	0.031	0.032	0.03
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.633	0.527	0.919	1.07	0.926	0.773	1.46	1.39	1.43	1.32 J+
Radium-228	pCi/L	1.33 J	2.6 J+	2.4 J+	0.745 J-	2.63 J+	0.56 J	0.131	0.583	3.26	0.581 J-
Radium-226/228	pCi/L	1.96 J	3.13 J+	3.32 J+	1.81 J-	3.56 J+	1.33 J	1.59	1.97	4.7	1.9 J+
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	4	3	< 3	< 3	54 J+	32 J-	< 3	< 3	2.4	1.4
Bicarbonate	mg/L	360	360	360	360	371	372	378	377	370	356
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	261	260	260	260	265	268	264	262	258	268
Magnesium	mg/L	21.3	21.2	23.9	24.1	24.4	24.5	24.4	24.7	23.9	22.1
Potassium	mg/L	5.81	5.82	6.28	6.41	6.93	6.61	6.43	6.46	6.37	6.38
Sodium	mg/L	14.5	14.3	15.8	15.9	16.2	16	16.1	16.4	16.5	14.7

	Sample Location:	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B	MW-11B
	Sample Date:	1/31/2024	8/5/2024	8/5/2024	2/4/2025	8/6/2025	2/4/2026
	Sample Type:	FD	N	FD	N	N	N
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T
Constituent	Unit						
Field Parameters							
pH	su	7.26	7.32	7.32	7.31	7.23	7.35
Specific Conductivity	mS/cm	0.53	0.502	0.502	0.516	0.605	0.508
Turbidity	NTU	2.02	0.25	0.25	6.81	8.15	-99999
Dissolved Oxygen	mg/L	0.04	0.28	0.28	0.11	1.61	0.3
Temperature	deg C	10.8	18.4	18.4	10.5	16.9	10.3
Oxidation Reduction Potential	mV	-181.1	-85.4	-85.4	-85.1	-53.8	18.5
Part 115							
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	0.83	0.76	0.79	0.7	0.63	0.53
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	0.005	0.0012 J	0.0035 J	< 0.00093
Appendix III							
Boron	mg/L	0.79	0.69	0.65	0.69	0.85	0.66
Calcium	mg/L	62.9	68.9	66.1	64	65	67
Chloride	mg/L	2.1	1.5	1.5	0.84 J	0.96 J	0.96 J
Fluoride	mg/L	< 1	0.2	0.2	0.38	0.41	0.4
pH (Field Measure)	su	7.26	7.32	7.32	7.31	7.23	7.35
Sulfate	mg/L	4	3.6	3.8	5.5	3.6	3.1
Total Dissolved Solids	mg/L	304	304	314	270	250	280
Appendix IV							
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.005	0.004	0.004	0.0037 J	0.0037 J	0.0021 J
Barium	mg/L	0.068	0.066	0.067	0.068	0.069	0.07
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.000086	< 0.000086	< 0.000086
Fluoride	mg/L	< 1	0.2	0.2	0.38	0.41	0.4
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.033	0.034	0.033	0.032	0.034	0.032
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	0.0027 J	0.0023 J	0.0026 J
Radium-226	pCi/L	0.366 J-	1.93 J+	1.16 J-	0.415	0.475	0.531
Radium-228	pCi/L	0.791 J+	-0.308 J-	1.84 J+	< 0.695	< 0.663	< 0.654
Radium-226/228	pCi/L	1.16 J-	1.93 J-	3 J+	< 0.695	0.824	1.15
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051
Other							
Total Suspended Solids	mg/L	1.3	1.3 J-	1.8 J+	1.4 J	2.4 J	1 J
Bicarbonate	mg/L	381	350	360	290	270	300
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	16	< 2.6
Hardness (as CaCO3)	mg/L	269	258	268	260	260	270
Magnesium	mg/L	22.2	23.7	23.7	24	23	24
Potassium	mg/L	6.49	6.57	6.25	6.2	6.1	5.9
Sodium	mg/L	14.5	15.1	14.9	15	15	15

	Sample Location:	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12
	Sample Date:	2/23/2022	3/30/2022	5/4/2022	6/8/2022	7/13/2022	8/17/2022	9/21/2022	10/26/2022	2/9/2023	8/3/2023
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.22	6.81	7.26	7.24	7.02	7.24	7.38	7.05	7.13	7.1
Specific Conductivity	mS/cm	0.746	1.648	1.734	1.797	1.686	1.586	1.6	1.387	1.391	1.457
Turbidity	NTU	65.25	44.12	16.45	31.26	30.26	45.15	46.25	26.2	17.01	10.32
Dissolved Oxygen	mg/L	5.45	3.95	3.34	5.25	3.2	4.64	1.95	3.57	2.95	3.41
Temperature	deg C	8.4	8.5	12	15.4	16.8	16.9	15.9	11.8	11.5	16
Oxidation Reduction Potential	mV	-113.5	188.2	-35	140.2	14.2	-17.9	15.2	155.8	-27.4	122.7
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	3.83	2.24	2.05	1	1.82	1.37	1.25	0.96	0.6	0.74
Nickel	mg/L	0.021	0.02	0.018	0.018	0.017	0.018	0.018	0.018	0.017	0.015
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	0.009	0.005	< 0.005	0.007	0.006	0.008	< 0.005	< 0.005	0.005
Appendix III											
Boron	mg/L	0.05	0.09	0.08	0.1	0.07	0.07	0.08	0.08	0.07	0.06
Calcium	mg/L	185	157	149	149	147	157	154	156	143	156
Chloride	mg/L	90	94	90	82	83	83	80	78	71	70
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	7.22	6.81	7.26	7.24	7.02	7.24	7.38	7.05	7.13	7.1
Sulfate	mg/L	344	308	283	254	250	256	255	252	207	184
Total Dissolved Solids	mg/L	1090	1110	1140	1080	1090	1050	1020	1020	948	928
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	0.003	0.004	< 0.002	0.002	0.002	0.002	0.002	< 0.002	0.002
Barium	mg/L	0.069	0.074	0.07	0.064	0.067	0.064	0.064	0.057	0.058	0.052
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.02	0.021	0.023	0.025	0.022	0.019	0.022	0.021	0.027	0.02
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.013	0.024	0.023	0.019	0.017	0.014	0.015	0.013	0.011	0.007
Radium-226	pCi/L	0.252	0.783	1.23	1.9	0.394	0.398	0.739	0.628	0.836	0.663
Radium-228	pCi/L	0.948	2.33	0.237	0.721	1.23	1.8	-0.692	2.11	2.6	0.731
Radium-226/228	pCi/L	1.2	3.11	1.46	2.62	1.63	2.2	0.739	2.74	3.43	1.39
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	24	39	22	17	50	23	43	16	9	8.4
Bicarbonate	mg/L	--	--	650	695	670	620	610	631	689	700
Carbonate	mg/L	--	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	--	--	572	565	566	609	611	618	575	628
Magnesium	mg/L	--	58.8	56.4	56.2	56.2	58.8	58.6	59.9	56.8	64.2
Potassium	mg/L	--	3.93	3.73	3.91	3.3	3.33	3.65	3.71	3.01	2.74
Sodium	mg/L	--	168	193	199	171	145	145	139	136	109

	Sample Location:	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12
	Sample Date:	1/31/2024	8/6/2024	2/4/2025	8/6/2025	2/10/2026	2/11/2026	4/21/2026	4/21/2026
	Sample Type:	N	N	N	N	N	N	N	FD
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T
Constituent	Unit								
Field Parameters									
pH	su	6.92	7.06	7	6.92	7.01	6.9	7	7
Specific Conductivity	mS/cm	1.392	1.393	1.38	1.432	1.326	1.324	1.443	1.443
Turbidity	NTU	16.45	35.44	24.13	56.25	31.01	30.98	18.15	18.15
Dissolved Oxygen	mg/L	2.15	4.52	3.55	2.5	4.12	3.11	3.15	3.15
Temperature	deg C	8.5	15.3	10	16.3	9.6	7.2	12.1	12.1
Oxidation Reduction Potential	mV	-32.4	110.7	185.5	3.5	116.1	132.9	-31.7	-31.7
Part 115									
Copper	mg/L	< 0.005	< 0.005	< 0.0017	< 0.0017	--	< 0.0017	--	--
Iron	mg/L	1.19	1.18	1.2	2.3	--	0.66	--	--
Nickel	mg/L	0.014	0.013	0.01	0.012	--	0.012	--	--
Silver	mg/L	< 0.0005	< 0.0005	< 0.000053	< 0.000053	--	< 0.000053	--	--
Vanadium	mg/L	< 0.005	< 0.005	< 0.00082	< 0.00082	--	0.00088 J	--	--
Zinc	mg/L	< 0.005	< 0.005	0.0025 J	0.0042 J	--	0.0026 J	--	--
Appendix III									
Boron	mg/L	0.07	0.07	0.092 J	0.075 J	--	0.065	--	--
Calcium	mg/L	158	166	150	160	--	160	--	--
Chloride	mg/L	69.2	63.7	53	53	56	--	--	--
Fluoride	mg/L	< 1	< 1	0.13	0.14	0.14	--	--	--
pH (Field Measure)	su	6.92	7.06	7	6.92	7.01	6.9	7	7
Sulfate	mg/L	177	187	160	160	180	--	--	--
Total Dissolved Solids	mg/L	916	946	870	860	870	--	--	--
Appendix IV									
Antimony	mg/L	< 0.005	< 0.005	< 0.00057	< 0.00057	--	< 0.00057	--	--
Arsenic	mg/L	0.003	0.002	0.0014 J	0.0025 J	--	0.0012 J	--	--
Barium	mg/L	0.052	0.049	0.05	0.049	--	0.05	--	--
Beryllium	mg/L	< 0.001	< 0.001	< 0.00027	< 0.00027	--	< 0.00027	--	--
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.000077	< 0.000077	--	< 0.000077	--	--
Chromium	mg/L	< 0.005	< 0.005	< 0.0012	< 0.0012	--	< 0.0012	--	--
Cobalt	mg/L	< 0.005	< 0.005	0.002	0.0019	--	0.0023	--	--
Fluoride	mg/L	< 1	< 1	0.13	0.14	0.14	--	--	--
Lead	mg/L	< 0.003	< 0.003	< 0.00045	0.00053 J	--	< 0.00045	--	--
Lithium	mg/L	0.019	0.018	0.018	0.017	--	0.0061 J	--	--
Mercury	mg/L	< 0.0002	< 0.0002	< 0.00013	< 0.00013	--	< 0.00013	--	--
Molybdenum	mg/L	0.006	0.005	0.005	0.0038 J	--	0.004 J	--	--
Radium-226	pCi/L	0.475	0.591	< 0.247	0.124	--	0.258	--	--
Radium-228	pCi/L	0.866	0.644	1.33	0.489	--	1.05	--	--
Radium-226/228	pCi/L	1.34	1.24	1.51	0.613	--	1.31	--	--
Selenium	mg/L	< 0.005	< 0.005	< 0.00089	< 0.00089	--	< 0.00089	--	--
Thallium	mg/L	< 0.002	< 0.002	< 0.00051	< 0.00051	--	< 0.00051	--	--
Other									
Total Suspended Solids	mg/L	12	15.7	15	5.2	21	--	--	--
Bicarbonate	mg/L	703	710	560	550	--	--	610	610
Carbonate	mg/L	< 10	< 10	< 2.6	< 2.6	--	--	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	658	678	620	660	--	650	--	--
Magnesium	mg/L	60.1	64.6	59	62	--	63	--	--
Potassium	mg/L	2.67	2.44	2.3	2.3 J	--	1.3 J	--	--
Sodium	mg/L	94.4	101	95	95	--	85	--	--

	Sample Location:	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B
	Sample Date:	3/8/2022	3/8/2022	4/14/2022	5/19/2022	5/19/2022	6/23/2022	6/23/2022	7/28/2022	7/28/2022	9/1/2022
	Sample Type:	N	FD	N	N	FD	N	FD	N	FD	N
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	8	8	7.68	7.86	7.86	7.51	7.51	7.5	7.5	7.6
Specific Conductivity	mS/cm	0.72	0.72	0.611	0.61	0.61	0.601	0.601	0.602	0.602	0.6
Turbidity	NTU	10.2	10.2	9.89	9.72	9.72	6.89	6.89	8.35	8.35	6.7
Dissolved Oxygen	mg/L	3.58	3.58	0.31	0.05	0.05	0.2	0.2	0.22	0.22	0.74
Temperature	deg C	10.8	10.8	10.1	12	12	12.8	12.8	14	14	13
Oxidation Reduction Potential	mV	100.9	100.9	-80.1	-97.8	-97.8	-73.2	-73.2	-141	-141	-124.1
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005 UJ	0.007 J+	< 0.005
Iron	mg/L	0.34	0.36	0.24	0.33	0.33	0.3 J	0.28 J	0.29	0.3	0.37
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005 UJ	0.015 J+	< 0.005
Appendix III											
Boron	mg/L	3.25 J	3.2	3.16	3.34	3.3	3.32	3.38	3.37	3.37	3.52
Calcium	mg/L	23.7	24	24	21.5	21.7	26.1	25.5	25.7	25.4	26.2
Chloride	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	8	8	7.68	7.86	7.86	7.51	7.51	7.5	7.5	7.6
Sulfate	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Total Dissolved Solids	mg/L	380	374	376	370	372	364	372	380	374	360
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Barium	mg/L	0.025	0.025	0.026	0.026	0.027	0.026	0.026	0.025	0.023	0.024	0.028
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.042	0.043	0.036	0.038	0.038	0.041	0.039	0.041	0.043	0.041
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	0.011 J+	0.005 J-	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.48 J+	0.302 J-	0.264	0.611	0.657	1 J-	1.89 J+	0.581 J-	2.17 J+	0.398
Radium-228	pCi/L	0.275 J-	1.03 J+	0.116	0.421 J-	1.1 J+	0.209 J-	1.47 J+	-0.356 J+	-1.12 J	-0.204 J-
Radium-226/228	pCi/L	0.755 J-	1.33 J+	0.38	1.03 J-	1.76 J+	1.21 J-	3.37 J+	0.581 J	2.17 J+	0.398 J-
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	28	31	3 U	7	7	5	< 3	< 3	< 3	< 3 UJ
Bicarbonate	mg/L	390	400	410	410	420	400	390	410	420	400
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	96	83	99	93	96	94	97	90	90	91
Magnesium	mg/L	7.5	7.36	8.12	6.63	6.68	8.31	8.14	8.22	8.02	8.33
Potassium	mg/L	8.99	8.61	8.26	6.93	7.07	8.27	8.15	8.28	8.07	8.18
Sodium	mg/L	116	117	109	90.9	92.4	111	107	107	107	113

	Sample Location:	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B	MW-12B
	Sample Date:	9/1/2022	10/6/2022	10/6/2022	11/10/2022	11/10/2022	2/9/2023	8/3/2023	8/3/2023	1/31/2024	8/6/2024
	Sample Type:	FD	N	FD	N	FD	N	N	FD	N	N
	Gradient:	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient	Upgradient
	Sampling Phase:	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.6	7.5	7.5	7.61	7.61	7.71	7.52	7.52	7.59	7.67
Specific Conductivity	mS/cm	0.6	0.593	0.593	0.591	0.591	0.587	0.582	0.582	0.59	0.587
Turbidity	NTU	6.7	7.15	7.15	6.35	6.35	8.18	2.25	2.25	1.99	0.71
Dissolved Oxygen	mg/L	0.74	0.24	0.24	0.18	0.18	0.29	0.13	0.13	0.04	0.4
Temperature	deg C	13	12.7	12.7	13.1	13.1	10.9	15.1	15.1	9.8	14.5
Oxidation Reduction Potential	mV	-124.1	-117.2	-117.2	-100.3	-100.3	-107.5	-113.5	-113.5	-193.1	-86.7
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	0.37	0.41	0.34	0.31	0.3	0.22	0.26	0.25	0.2	0.3
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	3.35	3.22	3.3	3.35	3.19	3.33	3.33	3.38	3.29	3.22
Calcium	mg/L	26.2	26.2	25.9	25.7	26.2	26.3	25.8	25.9	26.3	25.2
Chloride	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	2	1.5
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.4	0.5
pH (Field Measure)	su	7.6	7.5	7.5	7.61	7.61	7.71	7.52	7.52	7.59	7.67
Sulfate	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.8	< 5
Total Dissolved Solids	mg/L	370	362	374	358	356	356	364	362	366	370
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Barium	mg/L	0.028	0.027	0.026	0.025	0.025	0.025	0.025	0.025	0.025	0.025
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.4	0.5
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.038	0.039	0.042	0.04	0.037	0.043	0.04	0.041	0.041	0.039
Mercury	mg/L	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.519	0.37 J-	0.615 J+	0.608	0.619	0.831	1.13 J-	0.88 J+	0.458	0.811
Radium-228	pCi/L	1.34 J+	1.26 J+	0.165 J-	0.638	0.282	3.31	0.848 J-	2.68 J+	0.845	1.83
Radium-226/228	pCi/L	1.86 J+	1.63 J+	0.779 J-	1.25	0.901	4.14	1.98 J-	3.56 J+	1.3	2.64
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	3 J+	1 U	< 3	< 3	< 3	< 3	1.1	1.2	< 3	1.7
Bicarbonate	mg/L	400	400	400	390	390	417	360	390	424	400
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	95	100	90	96	96	98	92	110	653	107
Magnesium	mg/L	8.65	8.39	8.33	8.2	8.15	8.61	8.48	8.52	8.01	8.16
Potassium	mg/L	8.36	8.32	8.14	8.19	8.15	7.88	8.19	8.15	8.19	8.16
Sodium	mg/L	115	112	109	109	110	112	117	114	106	108.971

	Sample Location:	MW-12B	MW-12B	MW-12B
	Sample Date:	2/4/2025	8/6/2025	2/10/2026
	Sample Type:	N	N	N
	Gradient:	Upgradient	Upgradient	Upgradient
	Sampling Phase:	AM	AM	AM
	Fraction:	T	T	T
Constituent	Unit			
Field Parameters				
pH	su	7.71	7.52	7.73
Specific Conductivity	mS/cm	0.581	0.687	0.577
Turbidity	NTU	6.15	3.2	2.74
Dissolved Oxygen	mg/L	0.18	1.36	0.2
Temperature	deg C	9.4	16.2	9.9
Oxidation Reduction Potential	mV	-104.8	-81.7	-128.6
Part 115				
Copper	mg/L	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	0.2	0.2	0.24
Nickel	mg/L	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.00093	0.0023 J	< 0.00093
Appendix III				
Boron	mg/L	3.3	2.9	2.9
Calcium	mg/L	26	24	24
Chloride	mg/L	0.92 J	1.2	1.1
Fluoride	mg/L	0.63	0.76	0.68
pH (Field Measure)	su	7.71	7.52	7.73
Sulfate	mg/L	2.4	0.45 J	< 0.35
Total Dissolved Solids	mg/L	330	350	340
Appendix IV				
Antimony	mg/L	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.00075	< 0.00075	< 0.00075
Barium	mg/L	0.025	0.024	0.023
Beryllium	mg/L	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.000086	< 0.000086	< 0.000086
Fluoride	mg/L	0.63	0.76	0.68
Lead	mg/L	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.04	0.039	0.036
Mercury	mg/L	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.0011	< 0.0011	< 0.0011
Radium-226	pCi/L	0.47	0.382	0.348
Radium-228	pCi/L	1.31	1	< 0.946
Radium-226/228	pCi/L	1.78	1.38	1.02
Selenium	mg/L	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	< 0.00051	< 0.00051
Other				
Total Suspended Solids	mg/L	0.4 J	< 0.4	0.9 J
Bicarbonate	mg/L	330	320	340
Carbonate	mg/L	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	98	93	90
Magnesium	mg/L	8.1	7.6	7.3
Potassium	mg/L	8.2	7.7	7
Sodium	mg/L	110	110	100

	Sample Location:	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13
	Sample Date:	2/23/2022	3/30/2022	5/4/2022	5/4/2022	6/8/2022	7/13/2022	8/17/2022	9/21/2022	10/26/2022	2/8/2023
	Sample Type:	N	N	N	FD	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	6.91	6.75	7.01	7.01	7.07	7.06	7.22	7.25	7.11	7.04
Specific Conductivity	mS/cm	0.782	0.733	0.549	0.549	0.585	0.661	0.595	0.635	0.624	0.672
Turbidity	NTU	7.11	7.9	4.15	4.15	6.5	1.79	3.55	4.24	3.75	6.01
Dissolved Oxygen	mg/L	1.31	2.61	6.23	6.23	5.42	6.21	4.94	3.83	2.39	0.65
Temperature	deg C	5.8	6.9	8.5	8.5	12.2	14.5	17.5	17.4	13.8	8.4
Oxidation Reduction Potential	mV	163	151.8	96.4	96.4	101.6	66.9	89.1	84.8	216.8	61.2
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	0.04	0.02	< 0.02	0.02	0.08	0.03	0.02	0.03	0.04	0.06
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.16	0.14	0.14	0.14	0.18	0.18	0.17	0.2	0.22	0.18
Calcium	mg/L	138	128	95.8	97.6	96.1	107	94.1	100	101	132
Chloride	mg/L	< 5	< 5	9	9	13	16	16	20	32	43
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	6.91	6.75	7.01	7.01	7.07	7.06	7.22	7.25	7.11	7.04
Sulfate	mg/L	32	45	16	16	17	55	33	30	22	37
Total Dissolved Solids	mg/L	478	430	336	342	354	396	380	384	386	476
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Barium	mg/L	0.03	0.026	0.02	0.019	0.023	0.027	0.029	0.027	0.028	0.028
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.3	0.755	0.322 J+	0.149 J-	0.657	0.291 J+	0.402	0.286	0.392	0
Radium-228	pCi/L	-0.842	1.32	0.0544 J	0.893 J+	1.66	1.35	0.0071	-0.0026	0.291	0.188
Radium-226/228	pCi/L	0.3	2.08	0.376 J-	1.04 J+	2.31	1.64 J+	0.41	0.286	0.683	0.188
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Bicarbonate	mg/L	--	--	340	330	349	330	320	340	351	437
Carbonate	mg/L	--	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	--	--	309	308	310	353	312	333	358	444
Magnesium	mg/L	--	26.3	19.7	20.1	20.7	23.1	20.6	21.9	23	29
Potassium	mg/L	--	0.75	0.69	0.7	0.83	0.779	0.78	0.82	0.81	0.76
Sodium	mg/L	--	3.05	2.45	2.51	2.59	5.59	4.6	5.7	4.99	4.68

	Sample Location:	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13
	Sample Date:	8/2/2023	1/30/2024	8/7/2024	2/6/2025	8/8/2025	2/4/2026
	Sample Type:	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T
Constituent	Unit						
Field Parameters							
pH	su	6.39	6.98	6.76	7.06	6.73	6.71
Specific Conductivity	mS/cm	0.777	0.887	0.91	0.936	1.006	0.92
Turbidity	NTU	0.3	5.73	6.55	3.11	4.15	3.56
Dissolved Oxygen	mg/L	4.69	0.13	0.4	0.26	3.53	1.06
Temperature	deg C	16.1	6.3	16.5	8.7	16.6	6
Oxidation Reduction Potential	mV	-48.6	-159.2	-64.5	-49	107.2	-114.8
Part 115							
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	0.16	1.03	0.94	1.2	0.031 J	1.3
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00082	0.0015 J	0.0011 J
Zinc	mg/L	< 0.005	< 0.005	< 0.005	0.0033 J	< 0.00093	0.0011 J
Appendix III							
Boron	mg/L	0.17	0.15	0.17	0.18	0.2	0.14
Calcium	mg/L	124	157	158	140	160	170
Chloride	mg/L	45	25.3	20.7	11	18	9.3
Fluoride	mg/L	< 1	< 1	< 1	0.14	0.17	0.13
pH (Field Measure)	su	6.39	6.98	6.76	7.06	6.73	6.71
Sulfate	mg/L	87	122	174	110	210	90
Total Dissolved Solids	mg/L	492	638	642	520	700	610
Appendix IV							
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.004	0.008	0.007	0.0057	0.0019 J	0.0045 J
Barium	mg/L	0.034	0.038	0.044	0.036	0.06	0.035
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	0.00091 J	0.00045 J	0.00038 J
Fluoride	mg/L	< 1	< 1	< 1	0.14	0.17	0.13
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	< 0.005	< 0.005	< 0.005	< 0.0034	< 0.0034	< 0.0034
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.0011	< 0.0011	< 0.0011
Radium-226	pCi/L	0.0699	0.937	0.607	< 0.285	< 0.43	0.0865
Radium-228	pCi/L	-0.6698	1.05	1.38	< 0.701	< 0.567	0.731
Radium-226/228	pCi/L	0.0699	1.99	1.99	< 0.701	0.68	0.818
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	0.006	0.0012 J
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051
Other							
Total Suspended Solids	mg/L	< 3	< 3	1.4	1.9 J	0.7 J	1.5 J
Bicarbonate	mg/L	330	496	390	360	320	460
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	428	550	524	490	530	590
Magnesium	mg/L	26.9	35.9	32.4	32	33	39
Potassium	mg/L	0.94	1	0.76	0.95 J	0.88 J	0.67 J
Sodium	mg/L	8.34	13.2	13.4	13	15	8.4

	Sample Location:	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14
	Sample Date:	1/12/2023	1/12/2023	2/17/2023	2/17/2023	3/24/2023	3/24/2023	4/28/2023	4/28/2023	6/2/2023	6/2/2023
	Sample Type:	N	FD	N	FD	N	FD	N	FD	N	FD
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.04	7.04	7.11	7.11	6.98	6.98	7.13	7.13	7	7
Specific Conductivity	mS/cm	1.27	1.27	1.091	1.091	1.295	1.295	1.323	1.323	1.307	1.307
Turbidity	NTU	6.31	6.31	5.34	5.34	3.95	3.95	4.05	4.05	5.42	5.42
Dissolved Oxygen	mg/L	0.45	0.45	0.39	0.39	0.07	0.07	0.09	0.09	0.21	0.21
Temperature	deg C	10.9	10.9	10.1	10.1	10.5	10.5	10.3	10.3	13.3	13.3
Oxidation Reduction Potential	mV	-105.6	-105.6	-89.4	-89.4	-104.3	-104.3	-124.8	-124.8	-114.2	-114.2
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	6.58	6.78	9.46	9.35	10.2	10.4	11.2	11.2 J	11.5	11.8
Nickel	mg/L	0.006	0.007	0.005 J+	< 0.005 UJ	< 0.005 UJ	0.005 J+	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005 UJ	0.007 J+	< 0.005	< 0.005	< 0.005 UJ	0.013 J+	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	2.29	2.32	2.23	2.2	2.11	2.2	2.03	2.06	2.06	2.02
Calcium	mg/L	147	149	144	144	144	148	143	140 J	141	141
Chloride	mg/L	108	109	111	112	114	114	115	115	114	114
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	7.04	7.04	7.11	7.11	6.98	6.98	7.13	7.13	7	7
Sulfate	mg/L	30	30	22	21	748	748	17	16	19	19
Total Dissolved Solids	mg/L	774	768	732	716	< 0.005	< 0.005	796	782	792	784
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.004	0.004	0.006	0.005	0.005	0.006	0.006	0.005	0.005	0.006
Barium	mg/L	0.177	0.122	0.119	0.116	0.128	0.126	0.12	0.119	0.126	0.128
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.125	0.132	0.122	0.126	0.113	0.113	0.111	0.111	0.106	0.106
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.012	0.013	0.015	0.014	0.014	0.014	0.013	0.012	0.014	0.015
Radium-226	pCi/L	0.907	0.322	0.396	0.363	0.964 J+	0.321 J-	0.26 J-	1.27 J+	0.275	0.271
Radium-228	pCi/L	3.53	3.07	0.272 J-	1.07 J+	0.853	1.1	1.2 J+	0.807 J+	0.601 J-	0.983 J+
Radium-226/228	pCi/L	4.44	3.39	0.668 J-	1.43 J+	1.82	1.41	1.46 J	2.08 J+	0.876 J-	1.25 J+
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.009	0.009
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	16	16	4 J-	7 J+	22.2	22	23.4	24.3	26	26
Bicarbonate	mg/L	600	610	601	606	650	650	660	670	630	630
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	556	554	498	506	536	548	566	562	540	550
Magnesium	mg/L	42.3	42.2	41.3	41.2	40.3	42.1	39.7	38.5	40	39.5
Potassium	mg/L	4.79	4.76	5.82	5.81	4.72	4.82	4.55	4.43	4.65	4.72
Sodium	mg/L	79.2	80.4	78.3	77.9	75.8	77.3	72.5	70.9	73.7	73.9

	Sample Location:	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14
	Sample Date:	7/7/2023	7/7/2023	8/11/2023	8/11/2023	9/15/2023	9/15/2023	1/31/2024	8/5/2024	2/4/2025	8/6/2025
	Sample Type:	N	FD	N	FD	N	FD	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.06	7.06	6.95	6.95	6.92	6.92	6.95	7.04	7.04	6.93
Specific Conductivity	mS/cm	1.285	1.285	1.285	1.285	1.277	1.277	1.358	1.324	1.346	1.387
Turbidity	NTU	3.24	3.24	3.1	3.1	6.35	6.35	1.74	6.94	7.74	1.93
Dissolved Oxygen	mg/L	0.06	0.06	0.02	0.02	0	0	0.18	0.62	-0.04	0.2
Temperature	deg C	13.7	13.7	14.1	14.1	13.5	13.5	10.6	18	11.5	14.5
Oxidation Reduction Potential	mV	-96.5	-96.5	-116.2	-116.2	-127.9	-127.9	-175.1	-109.4	-131.4	-112.8
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0017	< 0.0017
Iron	mg/L	11.4	11.5 J	12.9	12.7	11.9	11.7	14.7	14.4	15	15
Nickel	mg/L	< 0.005 UJ	0.005 J+	< 0.005	< 0.005	< 0.005	< 0.005	0.005	0.005	0.0038	0.0041
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005 UJ	0.005 J+	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0019 J	0.0015 J
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.024	< 0.005	0.018	< 0.00093
Appendix III											
Boron	mg/L	2.16	2.14	2.14	2.1	2.17	2.13	2.22	1.96	2	1.9
Calcium	mg/L	148	148	147	149	154	155	161	173	160	160
Chloride	mg/L	113	114	118	118	111	110	119	115	100	110
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.15	0.19
pH (Field Measure)	su	7.06	7.06	6.95	6.95	6.92	6.92	6.95	7.04	7.04	6.93
Sulfate	mg/L	20	19	16	16	16	16	8.5	5.9	6.7	5
Total Dissolved Solids	mg/L	784	774	804	804	808	824	818	866	750	730
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057
Arsenic	mg/L	0.007	0.008	0.007	0.007	0.008	0.007	0.008	0.006	0.0064	0.0067
Barium	mg/L	0.134	0.131	0.122	0.124	0.132	0.138	0.131	0.131	0.14	0.12
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00069 J	0.00053 J
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.15	0.19
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045
Lithium	mg/L	0.108	0.106	0.111	0.109	0.109	0.112	0.109	0.102	0.099	0.092
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013
Molybdenum	mg/L	0.016	0.016	0.013	0.014	0.014	0.014	0.012	0.012	0.012	0.01
Radium-226	pCi/L	0.388	0.244	0.624	0.465	0.442 J	1.06 J+	0.16	5.03	< 0.358	0.248
Radium-228	pCi/L	0.0761 J-	0.915 J+	0.326 J+	0.147 J-	0.497 J	0.821 J+	0.833	1.84	< 1.02	< 0.882
Radium-226/228	pCi/L	0.464 J-	1.16 J+	0.951 J+	0.612 J-	0.939 J	1.88 J+	0.994	6.88	< 1.02	< 0.882
Selenium	mg/L	0.013	0.012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051
Other											
Total Suspended Solids	mg/L	24.8	26.3	25.9	26.6	24.8	25.4	27.6	30.3	37	28
Bicarbonate	mg/L	640	650	690	680	670	660	850	770	570	550
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	536	548	588	630	574	584	610	610	590	580
Magnesium	mg/L	41.9	41	42.2	42.1	42.1	43.8	44.1	46.4	44	44
Potassium	mg/L	5.03	5.08	4.96	5.07	5.43	5.58	5.71	5.38	5.4	4.6
Sodium	mg/L	79	77	77.8	78.3	79.4	80.4	77.4	78.5	74	73

	Sample Location:	MW-14
	Sample Date:	2/11/2026
	Sample Type:	N
	Gradient:	Downgradient
	Sampling Phase:	AM
	Fraction:	T
Constituent	Unit	
Field Parameters		
pH	su	6.87
Specific Conductivity	mS/cm	1.299
Turbidity	NTU	2.5
Dissolved Oxygen	mg/L	0.27
Temperature	deg C	8.9
Oxidation Reduction Potential	mV	-130.2
Part 115		
Copper	mg/L	< 0.0017
Iron	mg/L	15
Nickel	mg/L	0.0038
Silver	mg/L	< 0.000053
Vanadium	mg/L	0.0016 J
Zinc	mg/L	0.0011 J
Appendix III		
Boron	mg/L	1.6
Calcium	mg/L	170
Chloride	mg/L	120
Fluoride	mg/L	0.12
pH (Field Measure)	su	6.87
Sulfate	mg/L	3.9
Total Dissolved Solids	mg/L	760
Appendix IV		
Antimony	mg/L	< 0.00057
Arsenic	mg/L	0.0065
Barium	mg/L	0.14
Beryllium	mg/L	< 0.00027
Cadmium	mg/L	< 0.000077
Chromium	mg/L	< 0.0012
Cobalt	mg/L	0.00057 J
Fluoride	mg/L	0.12
Lead	mg/L	< 0.00045
Lithium	mg/L	0.091
Mercury	mg/L	< 0.00013
Molybdenum	mg/L	0.012
Radium-226	pCi/L	0.258
Radium-228	pCi/L	1.25
Radium-226/228	pCi/L	1.51
Selenium	mg/L	< 0.00089
Thallium	mg/L	< 0.00051
Other		
Total Suspended Solids	mg/L	18
Bicarbonate	mg/L	570
Carbonate	mg/L	< 2.6
Hardness (as CaCO3)	mg/L	610
Magnesium	mg/L	46
Potassium	mg/L	3.9
Sodium	mg/L	72

	Sample Location:	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
	Sample Date:	1/12/2023	2/17/2023	3/24/2023	4/28/2023	6/2/2023	7/7/2023	8/11/2023	9/15/2023	1/31/2024	8/7/2024
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	6.86	6.98	6.9	6.99	6.84	6.83	6.7	6.69	6.7	6.68
Specific Conductivity	mS/cm	1.319	0.872	0.912	0.851	0.879	0.945	1.007	1.021	0.451	0.893
Turbidity	NTU	2.4	5.15	4.15	4.84	6.51	5.75	3.33	5.64	7.52	4.23
Dissolved Oxygen	mg/L	5.41	4.81	3.72	2.48	0.89	0.38	0.87	0.67	0.22	0.01
Temperature	deg C	7.9	7.5	7.3	8.4	13	13.3	14.5	14.6	8.1	15.9
Oxidation Reduction Potential	mV	195.6	153.9	59.8	133.9	113.8	11.3	30.8	44.2	-153.9	1.1
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	< 0.02	0.04	0.02	0.03	0.11	0.11	0.05	0.14	0.12	0.38
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	0.021	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.37	0.34	0.33	0.34	0.35	0.4	0.41	0.44	0.39	0.41
Calcium	mg/L	183	140	119	104	115	133	140	145	131	131
Chloride	mg/L	100	84	72	60	59	65	73	78	69.3	74.7
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	6.86	6.98	6.9	6.99	6.84	6.83	6.7	6.69	6.7	6.68
Sulfate	mg/L	238	135	124	109	109	117	117	109	95	49.7
Total Dissolved Solids	mg/L	878	606	690	528	578	638	670	680	604	554
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.002	< 0.002
Barium	mg/L	0.077	0.05	0.047	0.042	0.049	0.061	0.067	0.069	0.055	0.058
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.014	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.629	0.334	0.868	0.464	0.876	0.525	0.75	0.491	0.31	0.425
Radium-228	pCi/L	1.43	-0.367	-0.188	1.51 J+	-0.108	-0.119	0.47	1.46	0.00555	0.495
Radium-226/228	pCi/L	2.06	0.334	0.868	1.97 J+	0.876	0.525	1.22	1.95	0.316	0.921
Selenium	mg/L	0.01	0.026	0.034	0.021	0.011	0.009	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	< 3	< 3	< 3	< 3	1.8	1.6	< 3	< 3	< 3	0.8
Bicarbonate	mg/L	410	354	330	330	350	380	430	440	433	430
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	464	473	426	406	420	460	512	506	484	442
Magnesium	mg/L	47.2	35.1	31.1	25.7	28.9	32.2	34.2	34.2	31.6	31.4
Potassium	mg/L	0.61	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Sodium	mg/L	40.5	30.3	29.5	28.3	27.4	28.5	29.7	38.8	30.4	29.4

	Sample Location:	MW-15	MW-15	MW-15
	Sample Date:	2/4/2025	8/7/2025	2/5/2026
	Sample Type:	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM
	Fraction:	T	T	T
Constituent	Unit			
Field Parameters				
pH	su	6.74	6.65	6.94
Specific Conductivity	mS/cm	1.029	1.091	0.996
Turbidity	NTU	7.59	2.23	2.19
Dissolved Oxygen	mg/L	4.35	1.7	4.05
Temperature	deg C	8	16.4	6
Oxidation Reduction Potential	mV	225.1	94.8	101.7
Part 115				
Copper	mg/L	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	0.031 J	0.071 J	0.19
Nickel	mg/L	< 0.0015	0.0019 J	< 0.0015
Silver	mg/L	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.00093	0.0019 J	< 0.00093
Appendix III				
Boron	mg/L	0.3	0.42	0.23
Calcium	mg/L	150	130	120
Chloride	mg/L	91	89	110
Fluoride	mg/L	0.047 J	0.048 J	0.042 J
pH (Field Measure)	su	6.74	6.65	6.94
Sulfate	mg/L	110	89	140
Total Dissolved Solids	mg/L	650	580	660
Appendix IV				
Antimony	mg/L	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.00097 J	0.00099 J	< 0.00075
Barium	mg/L	0.059	0.059	0.051
Beryllium	mg/L	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.000077	0.00008 J	< 0.000077
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.000086	0.00057 J	0.00014 J
Fluoride	mg/L	0.047 J	0.048 J	0.042 J
Lead	mg/L	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	< 0.0034	< 0.0034	< 0.0034
Mercury	mg/L	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.0011	< 0.0011	< 0.0011
Radium-226	pCi/L	< 0.228	< 0.231	0.294
Radium-228	pCi/L	1.1	0.806 J+	< 0.723
Radium-226/228	pCi/L	1.26	0.867	< 1.19
Selenium	mg/L	0.019	< 0.00089	0.022
Thallium	mg/L	< 0.00051	< 0.00051	< 0.00051
Other				
Total Suspended Solids	mg/L	< 0.4	1 J	< 0.4
Bicarbonate	mg/L	330	320	310
Carbonate	mg/L	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	520	470	450
Magnesium	mg/L	38	33	32
Potassium	mg/L	0.36 J	0.65 J	< 0.17
Sodium	mg/L	38	39	38

	Sample Location:	MW-16A	MW-16A	MW-16A	MW-16A	MW-16A	MW-16A	MW-16A	MW-16A	MW-16A	MW-16A
	Sample Date:	2/2/2023	2/2/2023	3/21/2023	3/21/2023	4/25/2023	4/25/2023	5/30/2023	5/30/2023	7/5/2023	7/5/2023
	Sample Type:	N	FD	N	FD	N	FD	N	FD	N	FD
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	6.95	6.95	6.91	6.91	7	7	6.72	6.72	6.79	6.79
Specific Conductivity	mS/cm	2.219	2.219	1.871	1.871	1.948	1.948	1.875	1.875	2.163	2.163
Turbidity	NTU	3.06	3.06	4.15	4.15	6.54	6.54	4.01	4.01	6.18	6.18
Dissolved Oxygen	mg/L	0.22	0.22	0.2	0.2	0.1	0.1	0.05	0.05	0.43	0.43
Temperature	deg C	7.3	7.3	8.6	8.6	8.3	8.3	12.5	12.5	15.6	15.6
Oxidation Reduction Potential	mV	-51	-51	-48.6	-48.6	-65.2	-65.2	-49.9	-49.9	-102.3	-102.3
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	3.71	3.7	3.15	3.14	2.96	2.99	2.59	2.52	2.69	2.72
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.21	0.21	0.11	0.11	0.1	0.1	0.1	0.11	0.11	0.11
Calcium	mg/L	179	176	147	150	145	148	172	171	173	174
Chloride	mg/L	383	383	405	411	391	397	401	400	436	439
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
pH (Field Measure)	su	6.95	6.95	6.91	6.91	7	7	6.72	6.72	6.79	6.79
Sulfate	mg/L	145	146	86	85	92	92	132	132	151	154
Total Dissolved Solids	mg/L	1360	1350	1180	1180	1170	1170	1260	1270	1370	1340
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.003	0.004	0.003	0.003	0.003	0.003	0.002	0.002	0.003	0.004
Barium	mg/L	0.16	0.156	0.118	0.119	0.108	0.111	0.126	0.121	0.136	0.138
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.005 J+	< 0.005 UJ	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.385	0.325	0.51 J-	1.22 J+	0.781	0.721	0.585 J+	0.261 J-	6.13 J+	1.17 J-
Radium-228	pCi/L	0.178 J+	-0.723 J-	0.698	0.907	1.59 J+	-2.75 J	-0.313 J-	4.94 J+	1.33 J+	-0.181 UJ
Radium-226/228	pCi/L	0.562 J	0.325 J	1.21 J-	2.13 J+	2.37 J+	0.721 J	0.585 J-	5.2 J+	7.46 J+	1.17 J-
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	7	7	< 3	< 3	2	1.6	5.7	5.2	2.5 J	2 J
Bicarbonate	mg/L	610	620	460	470	420	420	440	430	460	470
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	608	605	524	522	526	519	570	576	598	600
Magnesium	mg/L	42.4	42.3	33.9	34.1	33.2	34.4	37.2	36.6	39.9	38.5
Potassium	mg/L	2.12	2.06	1.58	1.58	1.34	1.45	1.16	1.04	1.24	1.23
Sodium	mg/L	276	281	244	247	229	243	241	240	253	258

	Sample Location:	MW-16A	MW-16A	MW-16A	MW-16A	MW-16A	MW-16A	MW-16A	MW-16A	MW-16A	MW-16A
	Sample Date:	8/8/2023	8/8/2023	9/12/2023	9/12/2023	10/17/2023	10/17/2023	11/21/2023	11/21/2023	2/1/2024	8/6/2024
	Sample Type:	N	FD	N	FD	N	FD	N	FD	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	6.84	6.84	6.76	6.76	6.78	6.78	6.82	6.82	6.99	6.81
Specific Conductivity	mS/cm	2.271	2.271	2.579	2.579	2.599	2.599	2.44	2.44	2.606	2.37
Turbidity	NTU	3.81	3.81	5.28	5.28	6.41	6.41	4.39	4.39	5.41	5.44
Dissolved Oxygen	mg/L	0.07	0.07	0.34	0.34	0.01	0.01	0.01	0.01	0.12	0.03
Temperature	deg C	16.5	16.5	16.8	16.8	15.8	15.8	13.6	13.6	9.2	16.2
Oxidation Reduction Potential	mV	-67.3	-67.3	-59.8	-59.8	-3.1	-3.1	-43.9	-43.9	-42.4	-39.6
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	2.63	2.54	4.13	4.11	3.78	3.81	3.08	3.04	4.38	3.04
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.16	0.17	0.23	0.22	0.21	0.21	0.19	0.2	0.16	0.25
Calcium	mg/L	172	167	220	219	226	226	210	211	208	196
Chloride	mg/L	423	442	484	493	505	505	459	455	448	492
Fluoride	mg/L	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
pH (Field Measure)	su	6.84	6.84	6.76	6.76	6.78	6.78	6.82	6.82	6.99	6.81
Sulfate	mg/L	131	130	239	250	257	257	264	257	341	235
Total Dissolved Solids	mg/L	1390	1390	1640	1630	1720	1730	1580	1590	1590	1560
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.004	0.004	0.003	0.004	0.004	0.004	0.004	0.003	0.005	0.003
Barium	mg/L	0.132	0.135	0.178	0.172	0.177	0.181	0.163	0.166	0.158	0.146
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.232 J-	1.18 J+	0.421 J-	1.06 J+	0.892	0.682	2.26	1.78	1.63	0.413
Radium-228	pCi/L	0.945	1.01	0.285 J-	1.05 J+	2.26	2.85	0.548 J-	1.23 J+	2.12	0.189
Radium-226/228	pCi/L	1.18 J-	2.19 J+	0.705 J-	2.1 J+	3.15	3.53	2.8	3.01	3.74	0.602
Selenium	mg/L	< 0.005	< 0.005	0.005 J+	< 0.005 UJ	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	2.1 J+	1.2 J-	3.5	3.9	4.5	4.5	1.2 J+	< 3 UJ	6.5	1.7
Bicarbonate	mg/L	510	500	520	520	520	510	510	510	588	530
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10
Hardness (as CaCO3)	mg/L	578	568	840	860	732	724	754	766	756	698
Magnesium	mg/L	38.5	38.7	52.2	52.2	51.1	51.7	52.4	52.1	46.9	46.3
Potassium	mg/L	1.25	1.21	1.4	1.44	1.45	1.4	1.49	1.49	1.57	1.72
Sodium	mg/L	279	262	307	308	324	322	312	294	277	297

	Sample Location:	MW-16A	MW-16A	MW-16A
	Sample Date:	2/6/2025	8/11/2025	2/9/2026
	Sample Type:	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM
	Fraction:	T	T	T
Constituent	Unit			
Field Parameters				
pH	su	6.74	6.67	6.85
Specific Conductivity	mS/cm	2.561	2.231	2.055
Turbidity	NTU	5.76	3.01	4.36
Dissolved Oxygen	mg/L	0.28	0.16	0.38
Temperature	deg C	8.6	18	8.1
Oxidation Reduction Potential	mV	17.8	-47.2	135.1
Part 115				
Copper	mg/L	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	3.2	2.3	0.78
Nickel	mg/L	0.0015 J	0.0022	< 0.0015
Silver	mg/L	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.00093	< 0.00093	< 0.00093
Appendix III				
Boron	mg/L	0.21	0.24	0.092
Calcium	mg/L	200	170	160
Chloride	mg/L	480	370	360
Fluoride	mg/L	0.098	0.14	0.07
pH (Field Measure)	su	6.74	6.67	6.85
Sulfate	mg/L	240	190	210
Total Dissolved Solids	mg/L	1500	1300	1100
Appendix IV				
Antimony	mg/L	< 0.00057	0.00071 J	0.00098 J
Arsenic	mg/L	0.0018 J	0.0034 J	0.00093 J
Barium	mg/L	0.16	0.13	0.1
Beryllium	mg/L	< 0.00027	< 0.00027	0.00045 J
Cadmium	mg/L	< 0.000077	0.00024 J	0.00023 J
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.0012	0.0011	0.00058 J
Fluoride	mg/L	0.098	0.14	0.07
Lead	mg/L	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.0035 J	0.0039 J	< 0.0034
Mercury	mg/L	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.0017 J	0.0029 J	0.0014 J
Radium-226	pCi/L	0.285	< 0.386	< 0.109
Radium-228	pCi/L	< 0.527	0.763	< 0.831
Radium-226/228	pCi/L	0.709	0.987	< 0.831
Selenium	mg/L	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	0.00062 J	< 0.00051
Other				
Total Suspended Solids	mg/L	6.8	4.3	2.6 J
Bicarbonate	mg/L	420	420	400
Carbonate	mg/L	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	720	590	540
Magnesium	mg/L	52	42	35
Potassium	mg/L	1.5	1.5 J	< 0.17
Sodium	mg/L	300	250	230

	Sample Location:	MW-16B	MW-16B	MW-16B	MW-16B	MW-16B	MW-16B	MW-16B	MW-16B	MW-16B	MW-16B
	Sample Date:	2/2/2023	3/21/2023	4/25/2023	5/30/2023	7/5/2023	8/8/2023	9/12/2023	10/17/2023	11/21/2023	2/1/2024
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.49	7.45	7.5	7.25	7.34	7.42	7.32	7.46	7.47	7.56
Specific Conductivity	mS/cm	0.623	0.587	0.619	0.578	0.613	0.635	0.59	0.634	0.625	0.615
Turbidity	NTU	7.42	5.65	6.29	3.94	4.41	4.32	0.44	1.32	6.34	6.45
Dissolved Oxygen	mg/L	0.18	0.12	0.11	0.09	0.37	0.05	0	0.01	0	0.08
Temperature	deg C	9.2	12	11.1	14.4	15.8	15.6	14.5	13.6	13	11.8
Oxidation Reduction Potential	mV	-125.7	-107	-102.1	-104.2	-130.4	-101.2	-136.1	-63.3	-127.7	-88.2
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	0.93	0.62	0.51	0.67	0.43	0.42	0.41	0.45	0.39	0.33
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.12	0.13	0.12	0.13	0.11	0.12	0.11	0.11	0.12	0.11
Calcium	mg/L	74.5	76.9	78.4	79.5	80.8	81.7	80.2	85.4	83.9	81.8
Chloride	mg/L	< 5	11	5	< 5	< 5	3.7	< 5	< 5	3.1	4.1
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	0.31	< 1	< 1	< 1	0.7
pH (Field Measure)	su	7.49	7.45	7.5	7.25	7.34	7.42	7.32	7.46	7.47	7.56
Sulfate	mg/L	18	16	16	15	17	17	18	18	17.8	17.4
Total Dissolved Solids	mg/L	366	366	350	358	366	366	366	378	370	364
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Barium	mg/L	0.09	0.085	0.085	0.082	0.089	0.085	0.086	0.089	0.091	0.089
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	0.31	< 1	< 1	< 1	0.7
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.023	0.023	0.022	0.022	0.019	0.022	0.021	0.02	0.021	0.02
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.008	0.006	0.006	0.005	0.006	0.006	0.006	0.007	0.006	0.006
Radium-226	pCi/L	0.997	0.761	0.49	0.16	3.03	0.391	1.31	1.56	0.804	1.32 J+
Radium-228	pCi/L	0.829	1.79	1.3 J+	1.81	1.07	0.644	1.09	4.87	0.831	0.767 J+
Radium-226/228	pCi/L	1.83	2.56	1.79 J+	1.97	4.09	1.04	2.4	6.43	1.63	2.09 J+
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.006	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	7	< 3	1.4	2.4	1	< 3	< 3	< 3	< 3	1
Bicarbonate	mg/L	390	400	400	420	410	410	400	400	400	414
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	322	329	335	324	334	344	380	348	355	358
Magnesium	mg/L	29.7	32.7	33.3	32.6	35.6	35	33.4	34.5	36.4	32.4
Potassium	mg/L	3.81	3.17	3	2.89	2.97	2.91	2.86	2.8	3.02	2.9
Sodium	mg/L	24.5	15.5	12.6	12.2	11.1	11.1	10.6	11.1	11	10.3

	Sample Location:	MW-16B	MW-16B	MW-16B	MW-16B	MW-16B	MW-16B	MW-16B
	Sample Date:	2/1/2024	8/6/2024	8/6/2024	2/6/2025	8/11/2025	2/9/2026	2/9/2026
	Sample Type:	FD	N	FD	N	N	N	FD
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T
Constituent	Unit							
Field Parameters								
pH	su	7.56	7.41	7.41	7.43	7.3	7.22	7.22
Specific Conductivity	mS/cm	0.615	0.604	0.604	0.628	0.66	0.643	0.643
Turbidity	NTU	6.45	9.34	9.34	6.75	4.98	5.53	5.53
Dissolved Oxygen	mg/L	0.08	0.03	0.03	0.02	0.13	0.19	0.19
Temperature	deg C	11.8	14.8	14.8	11.3	16.7	11.3	11.3
Oxidation Reduction Potential	mV	-88.2	-87.7	-87.7	-75.7	-97.3	-94.7	-94.7
Part 115								
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	0.32	0.39	0.39	0.4	0.32	0.4	0.42
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.0015	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.00093	0.0025 J	< 0.00093 UJ	0.0012 J+
Appendix III								
Boron	mg/L	0.12	0.11	0.11	0.11	0.11	0.083	0.092
Calcium	mg/L	79.9	84.5	84.5	82	83	73	76
Chloride	mg/L	4	3.5	3.7	2.8	3.7	17	17
Fluoride	mg/L	0.7	0.8	0.8	1	0.99	0.99	0.99
pH (Field Measure)	su	7.56	7.41	7.41	7.43	7.3	7.22	7.22
Sulfate	mg/L	17.4	19.9	20.6	21	22	22	19
Total Dissolved Solids	mg/L	366	376	368	350	350	350	380
Appendix IV								
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.00075	< 0.00075	< 0.00075	< 0.00075
Barium	mg/L	0.087	0.085	0.084	0.086	0.084	0.078	0.08
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.000086	< 0.000086	< 0.000086	< 0.000086
Fluoride	mg/L	0.7	0.8	0.8	1	0.99	0.99	0.99
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.021	0.02	0.021	0.021	0.021	0.017	0.018
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.006	0.006	0.006	0.0062	0.0063	0.0054	0.0054
Radium-226	pCi/L	0.608 J-	0.591	0.508	0.458	0.485	0.463 J-	0.721 J+
Radium-228	pCi/L	0.495 J-	1.32 J+	0.491 J-	0.65	0.818	< 0.796 UJ	< 0.78 UJ
Radium-226/228	pCi/L	1.1 J-	1.91 J+	0.998 J-	1.11	1.3	< 0.796 UJ	1.2 J+
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other								
Total Suspended Solids	mg/L	< 3	0.6	1.1	1.4 J	1 J	< 0.4	< 0.4
Bicarbonate	mg/L	422	420	440	340	330	350	340
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	377	352	350	350	350	310	320
Magnesium	mg/L	32.1	34.6	35	35	35	31	32
Potassium	mg/L	2.9	2.86	2.9	2.8	3.1 J	2.4 J	2.5 J
Sodium	mg/L	10.3	10.7	10.8	11	12	13	13

	Sample Location:	MW-16C	MW-16C	MW-16C	MW-16C	MW-16C	MW-16C	MW-16C	MW-16C	MW-16C	MW-16C
	Sample Date:	2/2/2023	3/21/2023	4/25/2023	5/30/2023	7/5/2023	8/8/2023	9/12/2023	10/17/2023	11/21/2023	2/1/2024
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.44	7.46	7.41	7.17	7.18	7.25	7.25	7.36	7.36	7.46
Specific Conductivity	mS/cm	0.601	0.575	0.585	0.529	0.58	0.59	0.562	0.592	0.586	0.565
Turbidity	NTU	34.25	7.24	6.41	2.58	1.81	0.45	1.02	4.01	6.01	6.15
Dissolved Oxygen	mg/L	0.1	0.17	0.12	0.02	0.36	0.04	0	0	0	0.07
Temperature	deg C	9.9	11.9	11	14.2	1.1	14.8	14.3	13.7	13.2	11.6
Oxidation Reduction Potential	mV	-62.2	-103.8	-97.3	-89	-126.5	-108.1	-139.6	-92.6	-145.6	-93.4
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	0.76	1.1	0.64	0.61	0.51	0.48	0.48	0.47	0.45	0.46
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.4	0.4	0.39	0.4	0.39	0.41	0.4	0.4	0.43	0.42
Calcium	mg/L	63.2	62.1	66.5	70.5	73.4	73.9	71.7	77.1	76.8	72.6
Chloride	mg/L	8	< 5	< 5	< 5	< 5	2.5	< 5	< 5	2.2	2.3
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	0.2	0.2
pH (Field Measure)	su	7.44	7.46	7.41	7.17	7.18	7.25	7.25	7.36	7.36	7.46
Sulfate	mg/L	19	8	7	7	8	7.2	8	8	7.9	7.5
Total Dissolved Solids	mg/L	418	370	330	344	320	322	334	332	340	328
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.003
Barium	mg/L	0.051	0.061	0.05	0.041	0.035	0.032	0.033	0.031	0.03	0.031
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	0.2	0.2
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.03	0.026	0.027	0.026	0.026	0.029	0.027	0.026	0.029	0.029
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.007	0.009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.23	0.509	0.478	0.255	1.14	0.45	0.3	0.101	0.821	1.46
Radium-228	pCi/L	0.0142	3.09	-0.309 J+	-0.804	1.39	1.14	0.492	2.16	0.48	0.845
Radium-226/228	pCi/L	0.244	3.6	0.478 J+	0.225	2.52	1.59	0.796	2.26	1.3	2.3
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	40	11.6	1.6	5.8	1.2	< 3	1.1	1.4	< 3	< 3
Bicarbonate	mg/L	370	400	400	470	410	400	400	410	390	414
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	263	253	272	292	293	298	310	304	318	305
Magnesium	mg/L	24.4	25.6	27.3	27	29.9	31.1	29.9	30.5	31.4	27.9
Potassium	mg/L	3.72	3.56	3.97	4.08	4.86	4.65	4.93	4.75	5.11	4.93
Sodium	mg/L	39.4	41.4	28.5	25.4	17.2	15.6	15.7	15.7	15.7	15.8

	Sample Location:	MW-16C	MW-16C	MW-16C	MW-16C
	Sample Date:	8/6/2024	2/6/2025	8/11/2025	2/9/2026
	Sample Type:	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM
	Fraction:	T	T	T	T
Constituent	Unit				
Field Parameters					
pH	su	7.22	7.32	7.14	7.15
Specific Conductivity	mS/cm	0.557	0.573	0.6	0.56
Turbidity	NTU	6.29	6.45	5.35	4.81
Dissolved Oxygen	mg/L	0.26	0.03	0.13	0.18
Temperature	deg C	14.9	11	16.3	11.4
Oxidation Reduction Potential	mV	-42.2	-68.6	-79.8	-94.9
Part 115					
Copper	mg/L	< 0.005	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	0.45	0.36	0.32	0.34
Nickel	mg/L	< 0.005	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.00093	0.0014 J	< 0.00093
Appendix III					
Boron	mg/L	0.41	0.39	0.41	0.34
Calcium	mg/L	77.2	75	77	71
Chloride	mg/L	1.8	1.1	1.1	1.2
Fluoride	mg/L	0.4	0.51	0.51	0.51
pH (Field Measure)	su	7.22	7.32	7.14	7.15
Sulfate	mg/L	9.9	11	11	8.9
Total Dissolved Solids	mg/L	332	320	310	320
Appendix IV					
Antimony	mg/L	< 0.005	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	< 0.00075	< 0.00075	< 0.00075
Barium	mg/L	0.027	0.027	0.026	0.024
Beryllium	mg/L	< 0.001	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	0.011	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.000086	< 0.000086	< 0.000086
Fluoride	mg/L	0.4	0.51	0.51	0.51
Lead	mg/L	< 0.003	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.029	0.028	0.028	0.025
Mercury	mg/L	< 0.0002	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.005	< 0.0011	0.0011 J	< 0.0011
Radium-226	pCi/L	0.978	0.365	< 0.35	0.324
Radium-228	pCi/L	0.285	< 0.849	< 0.607	< 0.727
Radium-226/228	pCi/L	1.26	< 0.849	< 0.607	< 0.727
Selenium	mg/L	< 0.005	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.00051	< 0.00051	< 0.00051
Other					
Total Suspended Solids	mg/L	0.5	0.9 J	0.8 J	< 0.4
Bicarbonate	mg/L	400	320	310	330
Carbonate	mg/L	< 10	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	308	320	320	300
Magnesium	mg/L	30	31	31	29
Potassium	mg/L	5.08	5	5.2	4.5
Sodium	mg/L	12.5	12	11	9.4

	Sample Location:	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D
	Sample Date:	2/2/2023	3/21/2023	4/25/2023	5/30/2023	7/5/2023	8/8/2023	9/12/2023	10/17/2023	11/21/2023	2/1/2024
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.67	7.56	7.73	7.44	7.52	7.53	7.47	7.49	7.45	7.83
Specific Conductivity	mS/cm	0.582	0.596	0.62	0.638	0.624	0.614	0.588	0.612	0.601	0.614
Turbidity	NTU	8.31	7.31	4.95	7.05	4.32	5.12	7.02	7.95	6.01	6.85
Dissolved Oxygen	mg/L	4.82	0.39	0.38	0.28	0.28	0.07	0.19	0.17	0.08	0.06
Temperature	deg C	8.6	8.4	3.9	19.6	22.5	19	15.2	12.5	11.2	9.8
Oxidation Reduction Potential	mV	44.3	85.9	-44.2	-3.5	-106.7	-101.2	-141.5	-103.6	-122.4	-200.1
Part 115											
Copper	mg/L	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	0.16	0.06	0.08	0.38	0.25	0.28	0.34	0.45	0.28	0.48
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	0.11	0.271	0.183	0.036	0.025	0.011	0.008	0.023	0.014	0.008
Appendix III											
Boron	mg/L	4.65	4.59	4.59	4.7	4.39	4.7	4.69	4.62	4.85	5.01
Calcium	mg/L	29.3	29	28.9	28.9	28.5	29.3	29.4	30.5	30	29.3
Chloride	mg/L	6	7	8	8	8	6.8	7	7	7.25	7.6
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	0.36	0.4
pH (Field Measure)	su	7.67	7.56	7.73	7.44	7.52	7.53	7.47	7.49	7.45	7.83
Sulfate	mg/L	< 5	9	13	7	7	6.2	6	5	4.47	4.2
Total Dissolved Solids	mg/L	366	364	380	396	374	376	376	380	372	380
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	0.004	0.003	0.003	0.004	< 0.002	0.004	0.003	0.004
Barium	mg/L	0.037	0.036	0.038	0.037	0.036	0.034	0.036	0.035	0.035	0.035
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	0.36	0.4
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.039	0.032	0.022	0.026	0.028	0.03	0.03	0.03	0.031	0.028
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.005	0.011	0.012	0.01	0.011	0.011	0.01	0.011	0.01	0.01
Radium-226	pCi/L	0.591	0.763	2.21	0.515	1.21	0.542 J+	0.461	0.593	0.5	0.569
Radium-228	pCi/L	1.84	0.757	1.93 J+	-0.743	0.128	0.276	0.773	2.25	1.34	0.243
Radium-226/228	pCi/L	2.43	1.52	4.14 J+	0.515	1.33	0.818	1.23	2.85	1.84	0.812
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.006	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	5	3.8	2	14	6.4	12.4	7.3	12	2	3
Bicarbonate	mg/L	380	390	380	430	400	380	400	390	400	394
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	96	107	103	101	97	96	100	105	118	124
Magnesium	mg/L	6.99	7.31	7.28	7.41	7.39	7.33	7.45	7.69	7.68	7.1
Potassium	mg/L	9.4	9.79	9.65	9.9	9.38	9.21	9.61	9.18	9.83	9.3
Sodium	mg/L	106	110	115	115	112	108	108	116	114	95

	Sample Location:	MW-16D	MW-16D	MW-16D	MW-16D
	Sample Date:	8/6/2024	2/6/2025	8/11/2025	2/9/2026
	Sample Type:	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	AM	AM	AM	AM
	Fraction:	T	T	T	T
Constituent	Unit				
Field Parameters					
pH	su	7.58	7.6	7.5	7.46
Specific Conductivity	mS/cm	0.609	0.596	0.707	0.579
Turbidity	NTU	5.02	1.53	3.56	1.8
Dissolved Oxygen	mg/L	0.41	0.32	2.04	0.55
Temperature	deg C	16.5	5.4	23.5	5.4
Oxidation Reduction Potential	mV	-102.9	-119.9	-110.2	-129.5
Part 115					
Copper	mg/L	< 0.005	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	0.55	0.4	0.36	0.42
Nickel	mg/L	< 0.005	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	0.0014 J	0.0011 J	0.0013 J
Appendix III					
Boron	mg/L	4.33	4.3	4.6	4.1
Calcium	mg/L	30.5	29	29	27
Chloride	mg/L	7.2	6.5	6.8	7
Fluoride	mg/L	0.5	0.76	0.75	0.76
pH (Field Measure)	su	7.58	7.6	7.5	7.46
Sulfate	mg/L	4.3	5.9	5.8	3.4
Total Dissolved Solids	mg/L	378	370	360	360
Appendix IV					
Antimony	mg/L	< 0.005	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.003	0.0023 J	0.0028 J	0.0023 J
Barium	mg/L	0.033	0.033	0.03	0.029
Beryllium	mg/L	< 0.001	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.000086	< 0.000086	< 0.000086
Fluoride	mg/L	0.5	0.76	0.75	0.76
Lead	mg/L	< 0.003	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.03	0.03	0.031	0.03
Mercury	mg/L	< 0.0002	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.01	0.0096	0.0082	0.0086
Radium-226	pCi/L	0.461	< 0.324	< 0.39	0.128
Radium-228	pCi/L	2.71	< 0.615	< 0.644	< 0.682
Radium-226/228	pCi/L	3.17	< 0.615	0.645	< 0.682
Selenium	mg/L	< 0.005	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.00051	< 0.00051	< 0.00051
Other					
Total Suspended Solids	mg/L	2.8	1.8 J	1.4 J	1.5 J
Bicarbonate	mg/L	400	320	310	330
Carbonate	mg/L	< 10	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	120	100	110	96
Magnesium	mg/L	7.49	7.5	7.6	6.8
Potassium	mg/L	9.54	9.2	9	8
Sodium	mg/L	110	110	110	99

	Sample Location:	MW-17A	MW-17A	MW-17A	MW-17A	MW-17A	MW-17A	MW-17A	MW-17A	MW-17A	MW-17A
	Sample Date:	10/8/2024	10/8/2024	11/13/2024	11/13/2024	12/18/2024	12/18/2024	1/23/2025	1/23/2025	2/27/2025	2/27/2025
	Sample Type:	N	FD	N	FD	N	FD	N	FD	N	FD
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.2	7.2	7.15	7.15	7.31	7.31	7.17	7.17	7.16	7.16
Specific Conductivity	mS/cm	1.6	1.6	1.67	1.67	1.671	1.671	1.654	1.654	1.602	1.602
Turbidity	NTU	7.6	7.6	3.02	3.02	7.18	7.18	9.6	9.6	9.72	9.72
Dissolved Oxygen	mg/L	< 0.1	< 0.1	0.24	0.24	0	0	0.03	0.03	-0.1	-0.1
Temperature	deg C	12	12	11.6	11.6	10.2	10.2	8.5	8.5	8.8	8.8
Oxidation Reduction Potential	mV	-119.4	-119.4	-100.8	-100.8	-91.1	-91.1	-98.1	-98.1	71.1	71.1
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.05	< 0.05	< 0.005	< 0.005	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	6.32	6.39	7.39 J+	1.51 J-	7.47	7.62	6.5	7	6.5	6.2
Nickel	mg/L	0.011	0.011	< 0.05	< 0.05	0.015	0.016	0.013	0.014	0.014	0.014
Silver	mg/L	< 0.0005	< 0.0005	< 0.005	< 0.005	< 0.0005	< 0.0005	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.015	< 0.015	0.0013 J	0.0015 J
Appendix III											
Boron	mg/L	3.84	3.66	4.07	3.75	3.71	3.88	4	4.3	4.7	4.4
Calcium	mg/L	249	247	244 J+	73.4 J-	266	266	240	250	240	240
Chloride	mg/L	68.7	68.6	68.3 J+	41.8 J-	68.5	73.1	68	68	67	67
Fluoride	mg/L	< 0.05	< 0.5	< 0.5 UJ	0.56 J+	< 1	< 1	0.25	0.25	0.44 J+	0.22 J-
pH (Field Measure)	su	7.2	7.2	7.15	7.15	7.31	7.31	7.17	7.17	7.16	7.16
Sulfate	mg/L	569	577	656 J+	209 J-	644	635	670	670	650	640
Total Dissolved Solids	mg/L	1290	1320	1400 J+	694 J-	1400	1400	1300	1300	1300	1300
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	< 0.002	0.002 J+	< 0.002 UJ	0.002	0.002	0.0017 J	0.0014 J	0.0011 J	0.00095 J
Barium	mg/L	0.048	0.049	0.046 J+	0.028 J-	0.046	0.046	0.037	0.04	0.038	0.038
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.005	< 0.005	< 0.0005	< 0.0005	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.05	< 0.05	< 0.005	< 0.005	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.000086	< 0.000086	< 0.000086	< 0.000086
Fluoride	mg/L	< 0.05	< 0.5	< 0.5 UJ	0.56 J+	< 1	< 1	0.25	0.25	0.44 J+	0.22 J-
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.059	0.059	0.059 J-	0.086 J+	0.059	0.059	0.053	0.055	0.053	0.053
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.014	0.014	0.015 J-	0.078 J+	0.017	0.017	0.015	0.016	0.018	0.016
Radium-226	pCi/L	0.418 J-	0.812 J+	0.6	0.588	2.45 J+	0.889 J-	0.171	0.162	< 0.163	< 0.15
Radium-228	pCi/L	1.12 J-	3.06 J+	0.0963 UJ	2.84 J+	3.07	2.53	< 0.613 UJ	0.79 J+	< 0.644 UJ	< 0.619 UJ
Radium-226/228	pCi/L	1.54 J-	3.87 J+	0.697 J-	3.43 J+	5.52 J+	3.42 J-	< 0.613 UJ	0.953 J+	0.65 J+	< 0.619 UJ
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other											
Total Suspended Solids	mg/L	9.8	10	13.7 J+	2 J-	14	13.9	14	16	14	15
Bicarbonate	mg/L	360	360	330	340	320	320	250	250	250	250
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	900	910	1100 J+	260 J-	946	978	870	920	890	880
Magnesium	mg/L	66.8	65.8	68.6 J+	14.5 J-	76	74.6	66	71	70	70
Potassium	mg/L	2.78	2.78	2.65 J-	5.7 J+	2.97	2.85	2.5	2.6	2.8	2.7
Sodium	mg/L	52.8	52.3	48.5 J-	140 J+	54.5	53	48	51	52	52

	Sample Location:	MW-17A	MW-17A	MW-17A	MW-17A	MW-17A	MW-17A	MW-17A	MW-17A
	Sample Date:	7/1/2025	7/1/2025	8/5/2025	8/5/2025	9/11/2025	9/11/2025	2/10/2026	2/10/2026
	Sample Type:	N	FD	N	FD	N	FD	N	FD
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	AM	AM
	Fraction:	T	T	T	T	T	T	T	T
Constituent	Unit								
Field Parameters									
pH	su	7.1	7.1	7.09	7.09	7.23	7.23	7.18	7.18
Specific Conductivity	mS/cm	1.455	1.455	1.359	1.359	1.682	1.682	1.712	1.712
Turbidity	NTU	3.92	3.92	2.67	2.67	3.19	3.19	2.22	2.22
Dissolved Oxygen	mg/L	0.15	0.15	0.4	0.4	0.12	0.12	0.03	0.03
Temperature	deg C	13.2	13.2	12.2	12.2	11.9	11.9	9.1	9.1
Oxidation Reduction Potential	mV	71.5	71.5	-10.8	-10.8	-121.8	-121.8	-123.9	-123.9
Part 115									
Copper	mg/L	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	6.8	6.7	9.3	8	7.1	7.4	7.2	6.7
Nickel	mg/L	0.013	0.013	0.012	0.012	0.011	0.012	0.013	0.012
Silver	mg/L	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	0.016	0.016	0.0034 J	0.0033 J	0.0012 J+	< 0.00093 UJ	0.47	0.46
Appendix III									
Boron	mg/L	4.6	4.6	3.9	4	3.6	3.8	3.9	4
Calcium	mg/L	240	250	270	270	220	240	260	260
Chloride	mg/L	75	75	71	71	70	70	73	73
Fluoride	mg/L	0.27	0.23	0.28	0.26	0.23	0.25	0.19	0.2
pH (Field Measure)	su	7.1	7.1	7.09	7.09	7.23	7.23	7.18	7.18
Sulfate	mg/L	720	720	690	680	680	660	720	710
Total Dissolved Solids	mg/L	1300	1400	1300	1300	1300	1300	1100	1300
Appendix IV									
Antimony	mg/L	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.0017 J+	0.0012 UJ	0.0012 J	0.0014 J	0.0011 J-	0.0014 J+	0.0023 J	0.002 J
Barium	mg/L	0.038	0.038	0.04	0.04	0.035	0.037	0.039	0.04
Beryllium	mg/L	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	0.00012 J+	< 0.000077 UJ	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.00013 J+	< 0.000086 UJ	< 0.000086	< 0.000086	< 0.000086	< 0.000086	0.00023 J	0.00022 J
Fluoride	mg/L	0.27	0.23	0.28	0.26	0.23	0.25	0.19	0.2
Lead	mg/L	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.053	0.053	0.051	0.051	0.044	0.047	0.052	0.052
Mercury	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.022	0.022	0.019	0.019	0.017	0.017	0.028	0.027
Radium-226	pCi/L	0.432 J+	< 0.375 UJ	< 0.27 UJ	< 0.347 UJ	< 0.324	< 0.299	0.233 J+	< 0.128 UJ
Radium-228	pCi/L	< 0.528 UJ	< 0.641 UJ	< 0.576 UJ	< 0.657 UJ	0.939 J+	< 0.61 UJ	< 0.89 UJ	< 0.716 UJ
Radium-226/228	pCi/L	0.83 J+	< 0.641 UJ	0.614 J+	< 0.657 UJ	1.07 J+	< 0.61 UJ	< 0.89	< 0.716
Selenium	mg/L	0.001 J+	< 0.00089 UJ	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	0.00079 J+	< 0.00051 UJ	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other									
Total Suspended Solids	mg/L	16 J-	20 J+	18	15	12 J-	16 J+	13	14
Bicarbonate	mg/L	240	240	250	260	250	250	240	240
Carbonate	mg/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	890	920	960	960	810	870	930	920
Magnesium	mg/L	67	69	69	69	61	65	68	68
Potassium	mg/L	2.4	2.5	2.4 J	2.8 J	2.8 J	2.9 J	2.6 J	2.6 J
Sodium	mg/L	51	52	53	58	52	53	54	53

	Sample Location:	MW-17B	MW-17B	MW-17B	MW-17B	MW-17B	MW-17B	MW-17B	MW-17B	MW-17B
	Sample Date:	10/8/2024	11/13/2024	12/18/2024	1/23/2025	2/27/2025	7/1/2025	8/5/2025	9/11/2025	2/10/2026
	Sample Type:	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM
	Fraction:	T	T	T	T	T	T	T	T	T
Constituent	Unit									
Field Parameters										
pH	su	7.4	7.48	7.65	7.26	7.25	7.36	7.35	7.32	7.36
Specific Conductivity	mS/cm	1.2	0.986	1.167	1.218	1.22	1.091	1.038	1.098	1.109
Turbidity	NTU	3.1	3.48	7.37	3.75	2.29	1.75	4.57	0.55	5.95
Dissolved Oxygen	mg/L	< 0.1	0.53	0	-0.1	-0.22	0.14	0.39	0.08	0.03
Temperature	deg C	12	11.3	9.3	8.7	9.2	13.6	12.9	12.4	9.7
Oxidation Reduction Potential	mV	-171.4	-132.7	-127.6	-96.8	10.5	-12.7	-50.7	-119	-97.5
Part 115										
Copper	mg/L	< 0.005	< 0.05	< 0.005	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	2.59	7.27	2.87	2.4	2.3	1.8	2.1	1.9	1.8
Nickel	mg/L	< 0.005	< 0.05	< 0.005	0.004	0.0043	0.0039	0.0035	0.003	0.0033
Silver	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	0.12	0.045	0.02	0.012	0.0091	0.3
Appendix III										
Boron	mg/L	2.16	4.1	1.8	1.9	2.1	2	1.9	1.7	1.8
Calcium	mg/L	144	243	127	140	140	110	120	110	130
Chloride	mg/L	80.9	68.3	72.1	67	67	74	74	75	76
Fluoride	mg/L	< 0.05	< 0.5	0.13	0.33	0.32	0.35	0.38	0.34	0.29
pH (Field Measure)	su	7.4	7.48	7.65	7.26	7.25	7.36	7.35	7.32	7.36
Sulfate	mg/L	352	643	331	400	390	370	330	320	330
Total Dissolved Solids	mg/L	856	1400	846	870	860	830	660	730	740
Appendix IV										
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	0.002	0.004	0.0036 J	0.0018 J	0.0019 J	0.0022 J	0.0019 J	0.0032 J
Barium	mg/L	0.058	0.044	0.07	0.054	0.05	0.037	0.041	0.037	0.039
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000077	< 0.000077	0.000097 J	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.05	< 0.005	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	0.00026 J	0.0001 J	0.000094 J	< 0.000086	< 0.000086	0.00015 J
Fluoride	mg/L	< 0.05	< 0.5	0.13	0.33	0.32	0.35	0.38	0.34	0.29
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.117	0.059	0.094	0.085	0.091	0.085	0.096	0.085	0.092
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.111	0.018	0.115	0.092	0.097	0.089	0.1	0.098	0.11
Radium-226	pCi/L	0.551	0.474	1.05	< 0.182	0.199	< 0.364	< 0.334	< 0.315	< 0.137
Radium-228	pCi/L	2.11	1.92	0.461	< 0.625	< 0.685	< 0.626	0.691	0.657	< 1.02
Radium-226/228	pCi/L	2.66	2.4	1.51	0.662	< 0.685	0.723	0.781	0.778	< 1.02
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other										
Total Suspended Solids	mg/L	3.2	16	4.9	5.7	6	3.6 J	4.1	1.8 J	4.1
Bicarbonate	mg/L	190	320	220	180	190	170	170	160	170
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	490	1110	440	490	470	380	430	390	450
Magnesium	mg/L	30.7	67.3	30.8	34	32	25	29	26	29
Potassium	mg/L	4.26	2.58	4.25	7.9	6.5	4.3	4	4.4	4.4
Sodium	mg/L	81	47.8	111	92	100	81	84	75	71

	Sample Location:	MW-17C	MW-17C	MW-17C	MW-17C	MW-17C	MW-17C	MW-17C	MW-17C	MW-17C
	Sample Date:	10/8/2024	11/13/2024	12/18/2024	1/23/2025	2/27/2025	7/1/2025	8/5/2025	9/11/2025	2/10/2026
	Sample Type:	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM
	Fraction:	T	T	T	T	T	T	T	T	T
Constituent	Unit									
Field Parameters										
pH	su	7.5	7.57	7.16	7.14	7.06	7.08	7.11	7.17	6.95
Specific Conductivity	mS/cm	1.2	1.039	1.531	1.505	1.569	1.451	1.334	1.454	1.426
Turbidity	NTU	9.1	5.72	4.07	8.87	7.15	8.15	4.61	3.86	7.02
Dissolved Oxygen	mg/L	< 0.1	0.47	0	-0.1	-0.23	0.18	0.39	0.1	-0.02
Temperature	deg C	13	11.3	9.3	8.4	9.4	14.1	13.1	12.9	9.7
Oxidation Reduction Potential	mV	-200.1	-136.8	-114.7	-71.2	25.1	-29.3	-47.5	-101.2	-63.1
Part 115										
Copper	mg/L	< 0.005	< 0.05	< 0.005	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	1.26	2.7	4.33	2.3	1.9	4.9	4.7	2.7	3.1
Nickel	mg/L	0.011	< 0.05	0.009	0.0064	0.0089	0.0095	0.01	0.0082	0.0054
Silver	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	0.056	0.0038 J	0.0055 J	0.003 J	< 0.00093	1.1
Appendix III										
Boron	mg/L	1.78	1.88	2.09	2.2	2.7	2.9	2.9	2.3	1.7
Calcium	mg/L	114	120	152	160	180	170	210	150	190
Chloride	mg/L	73.6	74.5	57.8	57	59	63	59	56	43
Fluoride	mg/L	< 0.5	0.23	< 1	0.34	0.3	0.33	0.34	0.34	0.27
pH (Field Measure)	su	7.5	7.57	7.16	7.14	7.06	7.08	7.11	7.17	6.95
Sulfate	mg/L	329	321	505	530	560	620	590	490	560
Total Dissolved Solids	mg/L	818	820	1190	1100	1100	1300	1100	1000	990
Appendix IV										
Antimony	mg/L	< 0.005	< 0.005	< 0.005	0.00072 J	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.002	0.002	0.006	0.004 J	0.0024 J	0.0037 J	0.0027 J	0.0025 J	0.0042 J
Barium	mg/L	0.064	0.063	0.088	0.065	0.06	0.055	0.066	0.054	0.056
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.05	< 0.005	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	0.00023 J	0.0001 J	0.00013 J	< 0.000086	0.000097 J	0.00052 J
Fluoride	mg/L	< 0.5	0.23	< 1	0.34	0.3	0.33	0.34	0.34	0.27
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	0.00082 J	0.00069 J	0.0008 J	< 0.00045
Lithium	mg/L	0.088	0.094	0.055	0.056	0.056	0.046	0.052	0.053	0.037
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.107	0.098	0.072	0.055	0.047	0.027	0.026	0.05	0.029
Radium-226	pCi/L	1.33	0.4	0.945	0.267	0.337	< 0.363	< 0.336	0.55	0.358
Radium-228	pCi/L	0.165	1.53	1.57	0.617	< 0.539	< 0.629	1.09	1.07	< 0.819
Radium-226/228	pCi/L	1.5	1.93	2.51	0.884	0.738	0.795	1.4	1.62	0.899
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other										
Total Suspended Solids	mg/L	6.8	4.3	10.1	7.4	5	12	8.3	2.5 J	4.5
Bicarbonate	mg/L	220	220	330	230	270	250	250	230	220
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	400	620	664	570	650	620	740	530	670
Magnesium	mg/L	28.6	29.8	42.9	42	48	47	56	40	47
Potassium	mg/L	4.12	3.83	5.66	9	6.9	5.1	6.9	6.7	11
Sodium	mg/L	105	82.2	142	110	120	97	100	120	78

	Sample Location:	MW-17D	MW-17D	MW-17D	MW-17D	MW-17D	MW-17D	MW-17D	MW-17D	MW-17D
	Sample Date:	10/8/2024	11/13/2024	12/18/2024	1/23/2025	2/27/2025	7/1/2025	8/5/2025	9/11/2025	2/10/2026
	Sample Type:	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM
	Fraction:	T	T	T	T	T	T	T	T	T
Constituent	Unit									
Field Parameters										
pH	su	7.6	7.37	7.49	7.52	7.49	7.46	7.45	7.48	7.49
Specific Conductivity	mS/cm	0.53	0.529	0.54	0.504	0.513	0.5	0.489	0.539	0.655
Turbidity	NTU	9.5	1.33	7.12	3.67	4.24	2.57	2.78	1	4.71
Dissolved Oxygen	mg/L	< 0.1	0.16	0.01	-0.11	-0.24	0.2	0.37	0.08	0.01
Temperature	deg C	12	10.6	9.6	8.4	9.4	14.8	13.5	13.1	9.4
Oxidation Reduction Potential	mV	-94.5	-44	-122.9	-125.6	-67.1	-78.1	-80.5	-125.9	-86.2
Part 115										
Copper	mg/L	< 0.005	< 0.05	< 0.005	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	0.23	1.98	0.77	0.77	0.77	0.7	0.6	0.67	0.52
Nickel	mg/L	< 0.005	< 0.05	< 0.005	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.015	0.001 J	0.0031 J	0.0021 J	< 0.00093	4.3
Appendix III										
Boron	mg/L	2.47	1.67	2.52	2.6	2.5	2.6	2.4	2.3	2.3
Calcium	mg/L	52.3	92.5	52	50	50	51	51	50	68
Chloride	mg/L	9.9	65.9	9.3	7.3	6.3	4.4	3.7	3.6	7.7
Fluoride	mg/L	0.29	0.27	0.3	0.47	0.43	0.47	0.45	0.43	0.44
pH (Field Measure)	su	7.6	7.37	7.49	7.52	7.49	7.46	7.45	7.48	7.49
Sulfate	mg/L	8.9	315	8.1	8	7.3	4	2	3.7	67
Total Dissolved Solids	mg/L	314	828	304	280	290	280	290	290	370
Appendix IV										
Antimony	mg/L	< 0.005	< 0.005	< 0.005	0.00066 J	0.00059 J	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	0.004	0.002	0.0017 J	0.0013 J	0.001 J	< 0.00075	0.00089 J	0.00098 J
Barium	mg/L	0.043	0.072	0.049	0.043	0.044	0.042	0.039	0.04	0.048
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000077	0.00017 J	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.05	< 0.005	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086	0.00035 J
Fluoride	mg/L	0.29	0.27	0.3	0.47	0.43	0.47	0.45	0.43	0.44
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.037	0.069	0.036	0.033	0.032	0.036	0.037	0.034	0.033
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.005	0.105	0.007	0.0052	0.0048 J	0.0034 J	0.0024 J	0.0035 J	0.0067
Radium-226	pCi/L	0.737	0.664	1.38	0.47	0.311	< 0.366	0.383	< 0.43	0.428
Radium-228	pCi/L	2.2	1.41	2.45	0.654	0.777	0.929	< 0.569	< 0.635	< 1.03
Radium-226/228	pCi/L	2.94	2.08	3.83	1.12	1.09	1.25	< 0.569	0.961	< 1.03
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other										
Total Suspended Solids	mg/L	7.4	5.6	1.7	2.5 J	1.9 J	1.4 J	1.7 J	0.9 J	1.2 J
Bicarbonate	mg/L	330	260	330	280	290	290	280	280	300
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	8.9	540	197	190	190	190	200	190	250
Magnesium	mg/L	16.4	27.9	15.9	17	16	15	16	16	19
Potassium	mg/L	9.15	4.05	9.03	9.1	9.6	9	9.4	8.9	11
Sodium	mg/L	44.4	122	49.7	46	46	43	46	43	45

	Sample Location:	MW-17E	MW-17E	MW-17E	MW-17E	MW-17E	MW-17E	MW-17E	MW-17E	MW-17E
	Sample Date:	10/8/2024	11/13/2024	12/18/2024	1/23/2025	2/27/2025	7/1/2025	8/5/2025	9/11/2025	2/10/2026
	Sample Type:	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM
	Fraction:	T	T	T	T	T	T	T	T	T
Constituent	Unit									
Field Parameters										
pH	su	8.1	7.82	8.15	8.15	8.07	8.03	8.02	8.04	7.8
Specific Conductivity	mS/cm	0.61	0.596	0.603	0.587	0.596	0.615	0.628	0.628	0.925
Turbidity	NTU	9	3.15	5.01	3.39	3.98	3.3	1.54	1.35	4.1
Dissolved Oxygen	mg/L	< 0.1	0.08	0.07	-0.09	-0.22	0.25	0.37	0.07	-0.03
Temperature	deg C	12	10.4	9.7	8.3	9.6	14.7	14	13	9.6
Oxidation Reduction Potential	mV	-4.8	101.3	-97.3	-129.9	-45.1	-46.3	-57.9	-132	-78.2
Part 115										
Copper	mg/L	< 0.005	< 0.05	< 0.005	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	0.08	0.26	0.07	0.05 J	0.05 J	0.029 J	0.018 J	0.017 J	0.073 J
Nickel	mg/L	< 0.005	< 0.05	< 0.005	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.015	0.0013 J	< 0.00093	0.0013 J	< 0.00093	0.5
Appendix III										
Boron	mg/L	3.19	2.36	3.09	3.3	3.4	3.5	3.3	3	2.6
Calcium	mg/L	5.98	46.7	6.17	5.2	5.4	5.5	5.3	5.2	39
Chloride	mg/L	2.7	10.2	2.5	1.5	1.4	1.4	1.3	1.3	12
Fluoride	mg/L	0.99	0.22	0.97	1.3	1.2	1.3	1.2	1.2	0.89
pH (Field Measure)	su	8.1	7.82	8.15	8.15	8.07	8.03	8.02	8.04	7.8
Sulfate	mg/L	0.04	10.8	1.1	2	< 0.35	0.96 J	< 0.35	< 0.35	170
Total Dissolved Solids	mg/L	388	316	388	370	360	360	360	350	540
Appendix IV										
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075
Barium	mg/L	0.005	0.042	0.006	0.0051	0.0047 J	0.0046 J	0.0042 J	0.0041 J	0.015
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.05	< 0.005	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086	0.00024 J
Fluoride	mg/L	0.99	0.22	0.97	1.3	1.2	1.3	1.2	1.2	0.89
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.028	0.033	0.027	0.023	0.024	0.026	0.025	0.024	0.026
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.005	0.01	< 0.005	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0077
Radium-226	pCi/L	0.39	1.06	0.946	< 0.0982	< 0.149	< 0.342	< 0.371	< 0.35	0.177
Radium-228	pCi/L	4.03	1.29	-0.468	< 0.531	< 0.63	< 0.597	< 0.64	< 0.611	< 0.912
Radium-226/228	pCi/L	4.42	2.35	0.946	< 0.531	< 0.63	< 0.597	< 0.64	0.674	< 0.912
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other										
Total Suspended Solids	mg/L	1	4.2	1.6	0.5 J	0.7 J	0.9 J	0.5 J	0.4 J	< 0.4
Bicarbonate	mg/L	420	340	410	350	330	330	310	320	300
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	21	8	24	11	< 2.6
Hardness (as CaCO3)	mg/L	1.5	340	19	< 33	< 33	< 33	< 33	< 33	130
Magnesium	mg/L	1.66	15.1	1.67	1.5	1.6	1.5	1.4	1.4	7.9
Potassium	mg/L	4.13	8.38	4.39	4.1	4.6	4.3	4.4	4.5	10
Sodium	mg/L	152	47.4	154	150	160	160	160	150	160

	Sample Location:	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A
	Sample Date:	10/8/2024	11/13/2024	12/18/2024	1/23/2025	2/27/2025	4/24/2025	4/24/2025	5/29/2025	5/29/2025	7/8/2025
	Sample Type:	N	N	N	N	N	N	FD	N	FD	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.6	7.33	7.2	7.16	6.89	7.67	7.67	7.43	7.43	7.39
Specific Conductivity	mS/cm	0.82	0.8	0.899	0.857	0.738	0.809	0.809	0.809	0.809	0.804
Turbidity	NTU	5.9	0.59	3.55	4.84	2.79	2.7	2.7	1.26	1.26	1.51
Dissolved Oxygen	mg/L	< 0.1	0.19	0	-0.03	-0.15	-0.12	-0.12	-0.17	-0.17	0.25
Temperature	deg C	14	12.6	10.3	9	8.2	9.8	9.8	10.2	10.2	12.8
Oxidation Reduction Potential	mV	-177.9	-120.9	-99.1	-66.7	-61.2	-137.5	-137.5	-86.2	-86.2	-107.4
Part 115											
Copper	mg/L	< 0.005	< 0.05	< 0.005	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	1.67	0.03	3.36	3	3.4	1.5	1.5	1.4	1.3	1.3
Nickel	mg/L	< 0.005	< 0.05	< 0.005	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.015	0.0011 J	< 0.00093	< 0.00093	0.001 J+	< 0.00093 UJ	0.0015 J+
Appendix III											
Boron	mg/L	0.8	3.47	1.13	1.3	1.2	0.79	0.78	0.85	0.84	0.79
Calcium	mg/L	88.7	5.69	105	110	110	90	89	92	90	88
Chloride	mg/L	79.8	2.2	66.8	66	64	78	79	81	81	82
Fluoride	mg/L	0.5	0.89	0.29	0.59	0.5	0.48	0.51	0.55	0.55	0.69
pH (Field Measure)	su	7.6	7.33	7.2	7.16	6.89	7.67	7.67	7.43	7.43	7.39
Sulfate	mg/L	175	0.9	146	150	150	170	170	180	180	180
Total Dissolved Solids	mg/L	524	392	586	560	580	510	500	480	470	500
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	< 0.002	0.005	0.0019 J	0.0017 J	0.00076 J	0.00077 J	< 0.00075	< 0.00075	0.00096 J+
Barium	mg/L	0.055	0.005	0.077	0.067	0.072	0.042	0.043	0.042	0.041	0.04
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.05	< 0.005	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086
Fluoride	mg/L	0.5	0.89	0.29	0.59	0.5	0.48	0.51	0.55	0.55	0.69
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	0.00045 J+	< 0.00045 UJ	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.072	0.026	0.105	0.11	0.093	0.066	0.063	0.07	0.064	0.065
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.12	< 0.005	0.097	0.072	0.073	0.11	0.11	0.12	0.11	0.11
Radium-226	pCi/L	0.776	0.451	0.482	< 0.184	0.221	0.26	0.226	0.324	< 0.333	0.476
Radium-228	pCi/L	2.42	0.447	1.12	< 0.626	< 0.673	< 0.623 UJ	< 0.707 UJ	1.04 J+	< 0.543 UJ	0.788
Radium-226/228	pCi/L	3.19	0.897	1.61	< 0.626	< 0.673	0.676 J+	< 0.707 UJ	1.37 J+	0.863 J-	1.26
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	0.0015 J+	< 0.00089 UJ	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other											
Total Suspended Solids	mg/L	2.1	0.8	6.93	6.6	10	1.3 J-	2.7 J+	1.3 J	1.9 J	1.6 J+
Bicarbonate	mg/L	160	430	270	240	240	130	130	130	130	130
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	0.5	30	349	350	360	280	280	290	290	280
Magnesium	mg/L	15.4	1.6	19.9	21	21	14	14	15	15	15
Potassium	mg/L	7.15	4.09	8.22	8	8.3	6.8	6.7	7.1	7	6.9
Sodium	mg/L	61.5	152	66.3	65	67	63	63	62	61	58

	Sample Location:	MW-18A	MW-18A	MW-18A	MW-18A
	Sample Date:	7/8/2025	8/8/2025	2/4/2026	2/4/2026
	Sample Type:	FD	N	N	FD
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	AM	AM	AM
	Fraction:	T	T	T	T
Constituent	Unit				
Field Parameters					
pH	su	7.39	7.43	7.4	7.4
Specific Conductivity	mS/cm	0.804	0.948	0.816	0.816
Turbidity	NTU	1.51	1.42	6.64	6.64
Dissolved Oxygen	mg/L	0.25	0.99	0.2	0.2
Temperature	deg C	12.8	13.8	7.3	7.3
Oxidation Reduction Potential	mV	-107.4	-115.8	-127.2	-127.2
Part 115					
Copper	mg/L	< 0.0017	0.002	< 0.0017	< 0.0017
Iron	mg/L	1.2	1	1.9	1.9
Nickel	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	0.0011 J-	< 0.00093	< 0.00093	< 0.00093
Appendix III					
Boron	mg/L	0.78	0.79	0.64	0.64
Calcium	mg/L	84	87	90	93
Chloride	mg/L	82	80	85	85
Fluoride	mg/L	0.69	0.66	0.65	0.66
pH (Field Measure)	su	7.39	7.43	7.4	7.4
Sulfate	mg/L	180	170	180	180
Total Dissolved Solids	mg/L	500	530	530	500
Appendix IV					
Antimony	mg/L	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.00075 UJ	0.0011 J	< 0.00075 UJ	0.00078 J+
Barium	mg/L	0.039	0.038	0.04	0.042
Beryllium	mg/L	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.000086	< 0.000086	< 0.000086	< 0.000086
Fluoride	mg/L	0.69	0.66	0.65	0.66
Lead	mg/L	< 0.00045	0.00046 J	< 0.00045	< 0.00045
Lithium	mg/L	0.064	0.064	0.063	0.065
Mercury	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.11	0.11	0.1	0.11
Radium-226	pCi/L	0.512	0.373	0.2 J-	0.327 J+
Radium-228	pCi/L	0.809	0.812	0.945 J-	1.31 J+
Radium-226/228	pCi/L	1.32	1.19	1.14	1.37
Selenium	mg/L	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other					
Total Suspended Solids	mg/L	1.1 J-	0.6 J	1.2 J-	2 J+
Bicarbonate	mg/L	130	130	140	140
Carbonate	mg/L	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	270	280	290	300
Magnesium	mg/L	15	15	16	16
Potassium	mg/L	6.9	6	6	6.1
Sodium	mg/L	57	54	53	53

	Sample Location:	MW-18B	MW-18B	MW-18B	MW-18B	MW-18B	MW-18B	MW-18B	MW-18B	MW-18B	MW-18B
	Sample Date:	10/8/2024	11/13/2024	12/18/2024	1/23/2025	2/27/2025	4/24/2025	5/29/2025	7/8/2025	8/8/2025	2/4/2026
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.4	7.34	7.38	7.32	7.16	7.41	7.25	7.23	7.26	7.21
Specific Conductivity	mS/cm	1.2	1.22	1.231	1.247	0.994	1.304	1.329	1.234	1.339	1.313
Turbidity	NTU	7.1	1.25	1.92	2.54	1.03	2.8	1.14	4.12	3.15	1.35
Dissolved Oxygen	mg/L	< 0.1	0.12	0	-0.05	-0.18	-0.12	-0.21	0.21	0.98	0.15
Temperature	deg C	13	11.2	9.9	9.9	9.8	11.8	11	13.1	14.5	8.1
Oxidation Reduction Potential	mV	-132.7	-113.7	-120.8	-99.2	-88.5	-118.4	-98.1	31.8	-100.2	-171.6
Part 115											
Copper	mg/L	< 0.005	< 0.05	< 0.005	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	2.65	2.64	2.9	2.9	2.3	2.6	2.7	2.6	2.8	2.4
Nickel	mg/L	0.007	< 0.05	0.009	0.0077	0.0059	0.0081	0.0091	0.0098	0.011	0.01
Silver	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.015	< 0.00093	< 0.00093	< 0.00093	0.0015 J	0.0025 J	0.0044 J
Appendix III											
Boron	mg/L	3.08	1.09	2.63	3.4	2	3.2	3.3	3	3.1	2.5
Calcium	mg/L	146	89.8	153	160	130	160	170	170	170	170
Chloride	mg/L	87.5	70.7	86.5	85	81	87	89	91	89	92
Fluoride	mg/L	0.12	0.35	< 1	0.33	0.34	0.21	0.26	0.37	0.36	0.3
pH (Field Measure)	su	7.4	7.34	7.38	7.32	7.16	7.41	7.25	7.23	7.26	7.21
Sulfate	mg/L	371	143	383	410	350	410	450	460	460	440
Total Dissolved Solids	mg/L	874	562	908	890	770	910	870	930	1000	970
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	0.005	< 0.002	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075	0.0012 J	< 0.00075
Barium	mg/L	0.055	0.064	0.059	0.055	0.043	0.056	0.059	0.058	0.06	0.058
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.05	< 0.005	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086
Fluoride	mg/L	0.12	0.35	< 1	0.33	0.34	0.21	0.26	0.37	0.36	0.3
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.132	0.092	0.127	0.13	0.096	0.13	0.13	0.12	0.13	0.13
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.14	0.1	0.143	0.15	0.1	0.14	0.15	0.13	0.14	0.12
Radium-226	pCi/L	1.45	1.61	0.992	0.375	0.382	0.561	1.02	0.549	0.598	0.37
Radium-228	pCi/L	4.31	1.79	1.87	0.894	< 0.607	0.906	1.94	1.77	1.34	2.25
Radium-226/228	pCi/L	5.76	3.4	2.86	1.27	0.902	1.47	2.96	2.32	1.94	1.62
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other											
Total Suspended Solids	mg/L	4.8	2.2	1.8	5.4	2.7 J	1.9 J	4	4.9	1.5 J	6.6
Bicarbonate	mg/L	200	240	180	160	160	170	170	170	180	200
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	510	324	494	530	430	540	550	540	560	560
Magnesium	mg/L	26.3	17.3	28.8	31	25	31	30	31	32	32
Potassium	mg/L	8.07	7.21	8.66	8.9	8.7	8.3	8.8	8.8	8.7	7.4
Sodium	mg/L	81.7	62.2	88.1	89	80	88	89	85	91	79

	Sample Location:	MW-18C	MW-18C	MW-18C	MW-18C	MW-18C	MW-18C	MW-18C	MW-18C	MW-18C	MW-18C
	Sample Date:	10/8/2024	11/13/2024	12/18/2024	1/23/2025	2/27/2025	4/24/2025	5/29/2025	7/8/2025	8/8/2025	2/4/2026
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.3	7.28	7.34	7.27	7.07	7.35	7.2	7.2	7.24	7.14
Specific Conductivity	mS/cm	1.4	1.314	1.56	1.471	1.151	1.285	1.175	1.135	0.907	1.461
Turbidity	NTU	8.4	3.41	6.59	3.7	1.34	5.58	1.85	3.94	2.81	2.32
Dissolved Oxygen	mg/L	< 0.1	0.4	0	-0.01	-0.18	-0.11	-0.21	0.22	1.02	0.13
Temperature	deg C	14	11.4	10.1	10.4	10.2	12.4	11.5	13.8	14.2	8.9
Oxidation Reduction Potential	mV	-111.7	-109.3	-104.7	-88.7	-76.5	-102	-87	15.8	-85.1	-164.7
Part 115											
Copper	mg/L	< 0.005	< 0.05	< 0.005	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	2.71	2.53	4.09	3.6	3.4	2.7	2.1	2.3	0.89	2.8
Nickel	mg/L	0.009	< 0.05	0.012	0.0095	0.01	0.0076	0.0066	0.0068	0.0025	0.011
Silver	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.015	0.00096 J	< 0.00093	< 0.00093	0.0012 J	0.002 J	< 0.00093
Appendix III											
Boron	mg/L	2.28	2.8	2.49	3.1	3	3	2.9	2.6	2.3	2.9
Calcium	mg/L	179	143	220	190	200	170	150	150	95	170
Chloride	mg/L	82.4	86.8	95.2	89	87	70	56	63	23	92
Fluoride	mg/L	0.11	< 0.5	< 1	0.23	0.19	0.16	0.2	0.26	0.32	0.18
pH (Field Measure)	su	7.3	7.28	7.34	7.27	7.07	7.35	7.2	7.2	7.24	7.14
Sulfate	mg/L	484	365	582	540	560	420	360	380	140	530
Total Dissolved Solids	mg/L	1080	914	1260	1000	1100	940	790	870	550	1100
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	0.00067 J	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.002	< 0.002	0.002	0.001 J	< 0.00075	< 0.00075	< 0.00075	< 0.00075	0.0013 J	< 0.00075
Barium	mg/L	0.06	0.052	0.06	0.054	0.053	0.049	0.044	0.043	0.028	0.058
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000077	< 0.000077	0.000096 J	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.05	< 0.005	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.000086	< 0.000086	0.00015 J	0.00014 J	0.0001 J	0.00013 J	0.00013 J
Fluoride	mg/L	0.11	< 0.5	< 1	0.23	0.19	0.16	0.2	0.26	0.32	0.18
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.078	0.123	0.086	0.093	0.085	0.093	0.08	0.082	0.057	0.11
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.088	0.134	0.117	0.11	0.12	0.1	0.08	0.093	0.03	0.14
Radium-226	pCi/L	1.59	1.17	1.32	0.429	0.562	0.684	0.52	0.81	0.517	0.886
Radium-228	pCi/L	2.38	2.16	1.24	1.01	0.939	0.768	1.14	1.44	1.72	1.7
Radium-226/228	pCi/L	3.97	3.33	2.57	1.44	1.5	1.45	1.66	2.25	2.24	2.59
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	0.0016 J	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other											
Total Suspended Solids	mg/L	6.3	2.1	6.9	8.7	5.4	4.9	4.2	4.8 J	1.4 J	6.2
Bicarbonate	mg/L	240	200	220	180	180	220	230	220	270	210
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	660	501	772	660	710	600	530	520	350	600
Magnesium	mg/L	48.1	27.7	57.7	47	53	44	38	38	27	40
Potassium	mg/L	5.95	7.91	4.22	4.2	4.4	6.2	7.5	7.2	8.8	5.4
Sodium	mg/L	78.8	81.3	82.8	88	80	81	69	69	49	90

	Sample Location:	MW-18D	MW-18D	MW-18D	MW-18D	MW-18D	MW-18D	MW-18D	MW-18D	MW-18D	MW-18D
	Sample Date:	10/8/2024	11/13/2024	12/18/2024	1/23/2025	2/27/2025	4/24/2025	5/29/2025	7/8/2025	8/8/2025	2/4/2026
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.7	7.84	7.91	7.93	7.71	8.01	7.83	7.78	7.78	7.77
Specific Conductivity	mS/cm	1.1	0.955	1.058	0.946	0.824	0.9	0.903	0.9	0.916	0.928
Turbidity	NTU	7.5	2.98	7.63	3.08	2.83	4.07	1.95	3.79	4.13	3.81
Dissolved Oxygen	mg/L	< 0.1	0.58	0	0.03	-0.14	-0.12	-0.16	0.24	0.95	0.14
Temperature	deg C	14	11.6	9.7	9.6	10.5	13	11.6	14.8	15.5	8.2
Oxidation Reduction Potential	mV	-170.1	-166.3	-158.8	-158.2	-156.4	-176.4	-156.1	-110.2	-165.3	-187
Part 115											
Copper	mg/L	< 0.005	< 0.05	< 0.005	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	1.22	3.73	1.88	1.2	1.7	1.1	0.99	0.95	0.56	1
Nickel	mg/L	0.005	< 0.05	0.005	0.0032	0.004	0.0027	0.0028	0.0027	0.0015 J	0.0037
Silver	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.015	0.0015 J	< 0.00093	< 0.00093	0.0012 J	0.0024 J	< 0.00093
Appendix III											
Boron	mg/L	3.58	2.66	3.43	3.8	3.9	3.7	3.6	3.4	3.5	3.1
Calcium	mg/L	82.4	202	89.1	61	77	55	50	53	34	61
Chloride	mg/L	48.5	94.1	45.2	36	37	26	23	25	13	30
Fluoride	mg/L	0.55	< 0.5	0.66	1	0.91	1	1.1	1.2	1.3	1.1
pH (Field Measure)	su	7.7	7.84	7.91	7.93	7.71	8.01	7.83	7.78	7.78	7.77
Sulfate	mg/L	252	601	224	190	200	140	130	130	70	160
Total Dissolved Solids	mg/L	752	1260	714	600	620	560	520	< 78	450	590
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075
Barium	mg/L	0.038	0.056	0.032	0.023	0.028	0.022	0.019	0.019	0.014	0.022
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.005	< 0.0005	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.05	< 0.005	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.000086	0.00017 J	< 0.000086	0.00016 J	0.0001 J	< 0.000086	0.00042 J
Fluoride	mg/L	0.55	< 0.5	0.66	1	0.91	1	1.1	1.2	1.3	1.1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.088	0.087	0.092	0.067	0.077	0.059	0.056	0.059	0.042	0.062
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	0.00013 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.081	0.116	0.087	0.052	0.069	0.044	0.042	0.043	0.022	0.049
Radium-226	pCi/L	1.03	1.06	1.17	0.26	0.341	0.206	0.498	< 0.343	< 0.327	0.259
Radium-228	pCi/L	0.736	4.11	2.42	0.739	< 0.629	< 0.645	< 0.649	0.774	< 0.605	0.813
Radium-226/228	pCi/L	1.76	5.17	3.59	0.999	< 0.629	0.683	< 0.649	1.03	< 0.605	1.07
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other											
Total Suspended Solids	mg/L	6.1	2.6	5	2.3 J	1.3 J	1.4 J	1 J	0.9 J	0.7 J	1.4 J
Bicarbonate	mg/L	330	220	330	290	290	310	300	310	310	310
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	11	< 2.6
Hardness (as CaCO3)	mg/L	320	745	291	200	250	180	160	180	110	200
Magnesium	mg/L	15.5	53.9	16.8	13	15	9.9	9.7	11	6.9	12
Potassium	mg/L	6.82	3.85	6.28	5.5	6.5	5.5	5.5	5.8	5	5.4
Sodium	mg/L	147	82.1	113	130	140	150	140	130	140	130

	Sample Location:	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A
	Sample Date:	5/12/2025	5/12/2025	6/17/2025	6/17/2025	7/22/2025	7/22/2025	8/26/2025	8/26/2025	9/30/2025	9/30/2025
	Sample Type:	N	FD	N	FD	N	FD	N	FD	N	FD
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	6.84	6.84	6.93	6.93	6.85	6.85	7.09	7.09	6.97	6.97
Specific Conductivity	mS/cm	1.483	1.483	1.352	1.352	1.432	1.432	1.49	1.49	1.434	1.434
Turbidity	NTU	1.63	1.63	4.92	4.92	4.38	4.38	3.52	3.52	3.18	3.18
Dissolved Oxygen	mg/L	0.11	0.11	0.19	0.19	0.23	0.23	0.22	0.22	0	0
Temperature	deg C	11	11	11	11	11.1	11.1	11.1	11.1	13	13
Oxidation Reduction Potential	mV	-307.1	-307.1	-91.3	-91.3	-66.9	-66.9	-80.8	-80.8	-138.9	-138.9
Part 115											
Copper	mg/L	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	4.5	4.5	5.3	5.3	5.6	5.5	5.3	5.5	4.9	5.2
Nickel	mg/L	0.011	0.01	0.01	0.01	0.01	0.01	0.012	0.01	0.012	0.011
Silver	mg/L	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	0.0025 J+	0.0018 J-	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093
Appendix III											
Boron	mg/L	0.23	0.24	0.24	0.24	0.26	0.25	0.24	0.25	0.25	0.25
Calcium	mg/L	200	190	200 J-	200	190	190	190	170	210	210
Chloride	mg/L	120	120	110	120	120	110	120	120	120	120
Fluoride	mg/L	0.13	0.12	0.14	0.14	0.13 J-	0.16 J+	0.19	0.17	0.2	0.22
pH (Field Measure)	su	6.84	6.84	6.93	6.93	6.85	6.85	7.09	7.09	6.97	6.97
Sulfate	mg/L	290	280	290	260	240	270	230	230	240	250
Total Dissolved Solids	mg/L	930	970	950	970	880	900	970	940	970	930
Appendix IV											
Antimony	mg/L	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	0.00076 J+	< 0.00057 UJ	< 0.00057	< 0.00057
Arsenic	mg/L	0.0027 J	0.0026 J	0.0044 J	0.004 J	0.0043 J	0.0042 J	0.005 J+	0.0037 J-	0.005 J+	0.0037 J-
Barium	mg/L	0.11	0.11	0.099	0.098	0.094	0.093	0.088	0.08	0.095	0.093
Beryllium	mg/L	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	0.000081 J+	< 0.000077 UJ	< 0.000077	< 0.000077	< 0.000077	< 0.000077	0.00013 J+	< 0.000077 UJ	0.00021 J+	< 0.000077 UJ
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.00054 J	0.00049 J	0.000098 J	0.000087 J	0.00011 J+	< 0.000086 UJ	0.0001 J+	< 0.000086 UJ	0.00015 J+	< 0.000086 UJ
Fluoride	mg/L	0.13	0.12	0.14	0.14	0.13 J-	0.16 J+	0.19	0.17	0.2	0.22
Lead	mg/L	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.013	0.013	0.012	0.012	0.012	0.012	0.013	0.011	0.01	0.0092
Mercury	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.003 J	0.0025 J	0.0023 J	0.0023 J	0.0027 J	0.0023 J	0.0028 J+	0.0019 J-	0.0025 J+	0.002 J-
Radium-226	pCi/L	< 0.36 UJ	0.402 J+	< 0.417 UJ	0.321 J+	0.309 J+	0.211 J-	< 0.207 UJ	0.276 J+	< 0.353	< 0.322
Radium-228	pCi/L	< 0.507	< 0.541	< 0.686	0.805 J+	< 0.686 UJ	0.822 J+	< 0.87	< 0.896	0.901	0.855
Radium-226/228	pCi/L	0.554 J-	0.866 J+	0.791 J-	1.13 J+	< 0.686 UJ	1.03 J+	< 0.87	< 0.896	1.09	1.08
Selenium	mg/L	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	0.0013 J+	< 0.00089 UJ
Thallium	mg/L	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	0.00051 J+	< 0.00051 UJ	0.00067 J+	< 0.00051 UJ
Other											
Total Suspended Solids	mg/L	7 J-	8.8 J+	11	12	12	10	8.9	9.5	9.1	9.9
Bicarbonate	mg/L	390	390	370	370	390	370	390	390	380	380
Carbonate	mg/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	750	730	770	790	730	740	720	650	820	810
Magnesium	mg/L	63	61	65	67	61	63	61	55	70	68
Potassium	mg/L	2.3	2.2	2	2	2.3 J	2.1 J	1.7 J	1.8 J	2.2 J	2.2 J
Sodium	mg/L	49	48	43	43	46	42	38	41	42	42

	Sample Location:	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A	MW-19A
	Sample Date:	11/4/2025	11/4/2025	12/9/2025	12/9/2025	1/13/2026	1/13/2026	2/11/2026
	Sample Type:	N	FD	N	FD	N	FD	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	AM
	Fraction:	T	T	T	T	T	T	T
Constituent	Unit							
Field Parameters								
pH	su	6.94	6.94	7.13	7.13	6.85	6.85	6.92
Specific Conductivity	mS/cm	1.409	1.409	1.453	1.453	1.507	1.507	1.378
Turbidity	NTU	5.3	5.3	4.51	4.51	7.95	7.95	3.5
Dissolved Oxygen	mg/L	0.22	0.22	0.16	0.16	0.22	0.22	0.22
Temperature	deg C	11.1	11.1	9.1	9.1	9.5	9.5	8.2
Oxidation Reduction Potential	mV	-66.9	-66.9	-72.7	-72.7	-79.9	-79.9	-80.5
Part 115								
Copper	mg/L	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	4.6	4.8	6.3 J+	5.1 J-	4.9	5.1	4.2
Nickel	mg/L	0.012	0.011	0.012	0.013	0.012	0.011	0.014
Silver	mg/L	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093	0.0025 J+	< 0.00093
Appendix III								
Boron	mg/L	0.26	0.27	0.25	0.23	0.25	0.24	0.17
Calcium	mg/L	200	200	200	210	200	190	200
Chloride	mg/L	120	120	120	120	110	110	100
Fluoride	mg/L	0.15	0.15	0.17	0.18	0.18	0.18	0.11
pH (Field Measure)	su	6.94	6.94	7.13	7.13	6.85	6.85	6.92
Sulfate	mg/L	240	240	320 J+	64 J-	280	280	310
Total Dissolved Solids	mg/L	970	1000	980	990	960	1000	1000
Appendix IV								
Antimony	mg/L	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.005	0.0048 J	0.0044 J	0.0044 J	0.0043 J	0.0043 J	0.0035 J
Barium	mg/L	0.098	0.097	0.095	0.098	0.092	0.086	0.088
Beryllium	mg/L	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	0.00013 J+	< 0.000077 UJ	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086
Fluoride	mg/L	0.15	0.15	0.17	0.18	0.18	0.18	0.11
Lead	mg/L	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.013	0.013	0.011	0.012	0.011	0.0099	0.011
Mercury	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.0028 J+	0.0021 J-	0.0019 J	0.0021 J	0.0023 J	0.0021 J	0.0021 J
Radium-226	pCi/L	0.376 J+	< 0.243 UJ	< 0.262 UJ	< 0.328 UJ	< 0.125 UJ	0.26 J+	0.282
Radium-228	pCi/L	< 0.93	< 0.771	< 0.738 UJ	0.938 J+	0.92 J+	0.611 J-	< 0.629
Radium-226/228	pCi/L	< 0.93 UJ	0.947 J+	< 0.738 UJ	1.19 J+	0.983	0.871	0.874
Selenium	mg/L	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other								
Total Suspended Solids	mg/L	7.9	9.3	8.6	8.7	8.7	10	9.4
Bicarbonate	mg/L	390	390	390	390	390	390	390
Carbonate	mg/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	760	760	780	810	760	720	770
Magnesium	mg/L	65	65	66	68	64	61	65
Potassium	mg/L	2.2 J	2.2 J	2.5 J	2.4 J	1.8 J	1.8 J	1.2 J
Sodium	mg/L	45	47	44	45	46	48	39

	Sample Location:	MW-19B	MW-19B	MW-19B	MW-19B	MW-19B	MW-19B	MW-19B	MW-19B	MW-19B
	Sample Date:	5/12/2025	6/17/2025	7/22/2025	8/26/2025	9/30/2025	11/4/2025	12/9/2025	1/13/2026	2/11/2026
	Sample Type:	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM
	Fraction:	T	T	T	T	T	T	T	T	T
Constituent	Unit									
Field Parameters										
pH	su	7.2	7.18	7.11	7.29	7.2	7.19	7.32	6.49	7.08
Specific Conductivity	mS/cm	1.385	1.21	1.343	1.41	1.355	1.316	1.343	1.424	1.299
Turbidity	NTU	2.28	6.2	5.02	2.96	4.73	6.3	4.15	5.95	5.88
Dissolved Oxygen	mg/L	0.11	0.17	0.19	0.12	0	0.23	0.09	0.08	0.23
Temperature	deg C	11.8	12.1	11.2	11.2	12.6	10.9	8.9	9.3	8.6
Oxidation Reduction Potential	mV	-104.9	-84	-60.4	-88.2	-120.1	-76.7	-93.1	-75.1	-119.3
Part 115										
Copper	mg/L	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	2.1	1.9	1.8	2	1.7	1.6	2.2	1.9	1.9
Nickel	mg/L	0.015	0.017	0.015	0.014	0.015	0.015	0.016	0.016	0.016
Silver	mg/L	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093
Appendix III										
Boron	mg/L	0.55	0.55	0.52	0.5	0.53	0.5	0.48	0.39	0.4
Calcium	mg/L	180	190	180	170	190	180	200	180	190
Chloride	mg/L	67	68	67	67	68	67	72	75	76
Fluoride	mg/L	0.18	0.24	0.24	0.26	0.26	0.19	0.25	0.24	0.19
pH (Field Measure)	su	7.2	7.18	7.11	7.29	7.2	7.19	7.32	6.49	7.08
Sulfate	mg/L	310	310	310	290	290	290	320	320	310
Total Dissolved Solids	mg/L	940	940	840	940	960	940	920	930	1000
Appendix IV										
Antimony	mg/L	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.0036 J	0.0043 J	0.0037 J	0.0034 J	0.0038 J	0.0038 J	0.0034 J	0.0029 J	0.0033 J
Barium	mg/L	0.057	0.059	0.056	0.051	0.055	0.053	0.055	0.045	0.052
Beryllium	mg/L	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	0.00018 J	0.00019 J	0.00014 J	< 0.000077	0.00012 J	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.00012 J	0.00015 J	0.00013 J	< 0.000086	< 0.000086	< 0.000086	0.000094 J	< 0.000086	< 0.000086
Fluoride	mg/L	0.18	0.24	0.24	0.26	0.26	0.19	0.25	0.24	0.19
Lead	mg/L	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.017	0.017	0.016	0.016	0.014	0.017	0.016	0.013	0.015
Mercury	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.0029 J	0.0028 J	0.0064	0.0021 J	0.0022 J	0.0022 J	0.0021 J	0.0019 J	0.0019 J
Radium-226	pCi/L	< 0.352	< 0.35	0.411	0.314	0.537	0.363	0.335	0.368	0.44
Radium-228	pCi/L	0.495	0.942 J+	0.712	< 0.984	1.03	< 0.852	1.17	< 0.5	0.772
Radium-226/228	pCi/L	0.807	1.2	1.12	< 0.984	1.57	< 0.852	1.51	0.834	1.21
Selenium	mg/L	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	0.00057 J	0.00059 J	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other										
Total Suspended Solids	mg/L	4.8	4.3	4.1	4.7	4.8	5	5	4.1	4.6 J+
Bicarbonate	mg/L	420	380	390	390	380	390	400	400	400
Carbonate	mg/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	730	750	720	680	770	710	780	700	760
Magnesium	mg/L	66	68	64	61	69	64	70	65	68
Potassium	mg/L	3.1	3.1	3.2 J	2.9 J	3.2 J	3.2 J	3.5	3 J	2.3 J
Sodium	mg/L	32	34	34	32	33	33	34	34	34

	Sample Location:	MW-19C	MW-19C	MW-19C	MW-19C	MW-19C	MW-19C	MW-19C	MW-19C	MW-19C
	Sample Date:	5/12/2025	6/17/2025	7/22/2025	8/26/2025	9/30/2025	11/4/2025	12/9/2025	1/13/2026	2/11/2026
	Sample Type:	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM
	Fraction:	T	T	T	T	T	T	T	T	T
Constituent	Unit									
Field Parameters										
pH	su	7.32	7.2	7.34	7.49	7.42	7.35	7.46	7.21	7.29
Specific Conductivity	mS/cm	0.596	0.573	0.74	0.604	0.589	0.568	0.575	0.577	0.558
Turbidity	NTU	9.3	7.72	6.01	6.31	7.44	8.14	8.16	4.95	3.29
Dissolved Oxygen	mg/L	0.06	0.11	0.03	0.19	0.17	0.22	0.13	0.18	0.27
Temperature	deg C	13.2	15.1	13.2	12.8	17	12.5	8.1	8.8	7.9
Oxidation Reduction Potential	mV	-142.3	-109.1	-95.9	-95.7	-116.5	-82.9	-97.1	-78.8	-122.4
Part 115										
Copper	mg/L	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	0.8	0.86	0.71	0.53	0.61	0.52	0.66	0.71	0.61
Nickel	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	0.0011 J	0.0039 J	< 0.00093	< 0.00093	< 0.00093	< 0.00093	0.00093 J	< 0.00093	0.0026 J
Appendix III										
Boron	mg/L	0.64	1.2	1.5	1.6	1.7	1.7	1.6	1.4	1.3
Calcium	mg/L	67	60	57	60	61	59	62	57	59
Chloride	mg/L	2	3.1	2.9	2.5	2.3	1.9	2	1.9	1.8
Fluoride	mg/L	0.35	0.4	0.42	0.41	0.41	0.33	0.41	0.44	0.42
pH (Field Measure)	su	7.32	7.2	7.34	7.49	7.42	7.35	7.46	7.21	7.29
Sulfate	mg/L	15	5.6	2.2	1.5	1.3	1.1	0.67 J	1.8	0.68 J
Total Dissolved Solids	mg/L	300	330	260	310	330	320	300	320	290
Appendix IV										
Antimony	mg/L	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.00075	< 0.00075	0.00087 J	0.0008 J	0.0011 J	< 0.00075	< 0.00075	< 0.00075	< 0.00075
Barium	mg/L	0.054	0.046	0.038	0.035	0.036	0.036	0.036	0.031	0.033
Beryllium	mg/L	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.00013 J	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086	0.000093 J	< 0.000086	< 0.000086
Fluoride	mg/L	0.35	0.4	0.42	0.41	0.41	0.33	0.41	0.44	0.42
Lead	mg/L	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.026	0.026	0.027	0.028	0.024	0.028	0.027	0.023	0.025
Mercury	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.002 J	0.0018 J	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
Radium-226	pCi/L	0.581	< 0.299	0.414	0.364	< 0.436	< 0.307	0.803	0.298	0.356
Radium-228	pCi/L	< 0.625	< 0.628	< 0.488	0.863	< 0.542	< 0.946	< 0.69	< 0.602	0.729
Radium-226/228	pCi/L	0.902	< 0.628	0.628	1.23	< 0.542	1.19	1.41	0.747	1.09
Selenium	mg/L	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other										
Total Suspended Solids	mg/L	8.2	3.7 J	2.3 J	2.3 J	2.5 J	2.3 J	3.2 J	1.7 J	1.4 J+
Bicarbonate	mg/L	320	310	310	320	310	320	330	330	330
Carbonate	mg/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	260	240	230	230	240	230	240	230	230
Magnesium	mg/L	23	22	20	20	22	20	21	21	21
Potassium	mg/L	6.1	7.1	7.5	4.7	7.6	7.9	8.1	7.5	6.6
Sodium	mg/L	35	44	43	29	43	43	44	43	43

	Sample Location:	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D
	Sample Date:	5/12/2025	6/17/2025	7/22/2025	8/26/2025	9/30/2025	11/4/2025	12/9/2025	1/13/2026	2/11/2026
	Sample Type:	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM
	Fraction:	T	T	T	T	T	T	T	T	T
Constituent	Unit									
Field Parameters										
pH	su	8.61	7.16	7.34	7.11	7.42	7.43	7.39	7.18	7.3
Specific Conductivity	mS/cm	0.665	0.565	0.74	0.579	0.586	0.538	0.576	0.573	0.555
Turbidity	NTU	97.65	21.75	8.53	6.65	4.95	5.13	2.75	3.76	1.13
Dissolved Oxygen	mg/L	0.27	0.32	0.18	0.4	0.2	0.3	0.13	0.07	0.29
Temperature	deg C	14.4	14.5	12.9	11.8	13	10.2	8.1	8.8	7.8
Oxidation Reduction Potential	mV	-9.5	-80.8	-60.1	-23.5	-83.5	-47.2	-88.6	-62.9	-87.1
Part 115										
Copper	mg/L	< 0.0017	< 0.0017	< 0.0017	0.014	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	3.7	0.66	0.42	0.32	0.34	0.54	0.59	0.68	0.67
Nickel	mg/L	0.0047	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	0.0053	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	0.0099	0.0042 J	< 0.00093	< 0.00093	0.00096 J	< 0.00093	< 0.00093	< 0.00093	< 0.00093
Appendix III										
Boron	mg/L	3.2	0.58	0.58	0.55	0.58	0.58	0.59	0.53	0.52
Calcium	mg/L	6.4	69	66	64	67	66	68	69	68
Chloride	mg/L	7.7	1.3	1.4	1.3	1.3	1	1.2	1.1	1.1
Fluoride	mg/L	1.5	0.39	0.42	0.42	0.42	0.37	0.43	0.43	0.42
pH (Field Measure)	su	8.61	7.16	7.34	7.11	7.42	7.43	7.39	7.18	7.3
Sulfate	mg/L	3.1	10	10	11	11	12	11	12	11
Total Dissolved Solids	mg/L	510	310	300	300	330	340	300	310	310
Appendix IV										
Antimony	mg/L	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.0021 J	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075
Barium	mg/L	0.034	0.056	0.054	0.049	0.05	0.051	0.053	0.048	0.051
Beryllium	mg/L	0.00073 J	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	0.0049 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.0019	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086
Fluoride	mg/L	1.5	0.39	0.42	0.42	0.42	0.37	0.43	0.43	0.42
Lead	mg/L	0.0043	< 0.00045	< 0.00045	0.0039	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.025	0.024	0.025	0.025	0.022	0.025	0.024	0.022	0.013
Mercury	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.0015 J	0.0015 J	0.002 J	0.0019 J	0.002 J	0.0016 J	0.0018 J	0.0012 J	0.0012 J
Radium-226	pCi/L	< 0.747	0.347	< 0.313	0.217	< 0.323	< 0.257	0.323	0.253	0.326
Radium-228	pCi/L	< 2.03	0.592 J+	< 0.675	< 0.892	1.03	< 0.742	0.915	< 0.595	0.892
Radium-226/228	pCi/L	< 2.03	0.939	< 0.675	< 0.892	1.26	< 0.742	1.24	< 0.595	1.22
Selenium	mg/L	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other										
Total Suspended Solids	mg/L	36	3.7 J	1.4 J	0.8 J	1.1 J	< 0.4	1.1 J	1.3 J	1.4 J+
Bicarbonate	mg/L	330	290	300	310	310	320	320	320	320
Carbonate	mg/L	52	11	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	< 33	270	260	250	270	260	270	280	270
Magnesium	mg/L	3.1	25	23	22	24	23	24	25	24
Potassium	mg/L	3	5.9	5.8	5	5.7	6	6.1	5.7	5
Sodium	mg/L	180	31	33	30	31	30	32	27	28

	Sample Location:	MW-100A	MW-100A	MW-100A	MW-100A	MW-100A	MW-100A	MW-100A	MW-100A	MW-100A	MW-100A
	Sample Date:	6/5/2023	7/10/2023	8/14/2023	9/18/2023	10/23/2023	11/27/2023	1/3/2024	2/7/2024	8/7/2024	2/5/2025
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.29	7.21	7.31	7.28	7.34	7.08	7.36	7.4	7.22	7.19
Specific Conductivity	mS/cm	0.75	0.766	0.728	0.719	0.725	0.68	0.593	0.665	0.672	0.65
Turbidity	NTU	3.52	7.95	0.65	4.21	7.35	3.32	4.45	6.3	6.81	3.31
Dissolved Oxygen	mg/L	4.15	1.31	1.15	0.98	0.45	0.39	0.41	0.51	1.02	2.42
Temperature	deg C	14.2	17.2	14.6	16.8	14.9	10.2	11.2	10	14.7	11
Oxidation Reduction Potential	mV	60.9	-55.8	-130.6	-98.1	-117.7	-98.9	-125.2	-74.9	-8.9	-40.4
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0017
Iron	mg/L	0.63	1.25	3.75	3.59	3.04	2.88	2.51	2.59	2.55	2.3
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0015
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.006	< 0.005	< 0.005	0.0028 J
Appendix III											
Boron	mg/L	0.04	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.05	< 0.057
Calcium	mg/L	92.3	95.3	93	94	92.8	92.1	88.6	90.9	92.1	89
Chloride	mg/L	10	10	10	10	10	10	10.3	10.6	10.3	10
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	0.22	< 1	0.4	0.57
pH (Field Measure)	su	7.29	7.21	7.31	7.28	7.34	7.08	7.36	7.4	7.22	7.19
Sulfate	mg/L	35	38	28	22	21	16.2	17.1	21.7	21.2	25
Total Dissolved Solids	mg/L	418	434	424	414	416	402	408	410	414	360
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00057
Arsenic	mg/L	0.009	0.01	0.015	0.017	0.016	0.014	0.015	0.018	0.014	0.012
Barium	mg/L	0.206	0.202	0.206	0.207	0.201	0.199	0.189	0.2	0.189	0.19
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00033 J
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	0.22	< 1	0.4	0.57
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.00045
Lithium	mg/L	0.017	0.018	0.019	0.02	0.018	0.016	0.014	0.014	0.012	0.011
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00013
Molybdenum	mg/L	0.012	0.012	0.012	0.013	0.011	0.01	0.009	0.008	0.008	0.0069
Radium-226	pCi/L	0.869	0.47	1.14 J+	0.32 J+	-0.164 J+	1.09 J+	0.0203	0.57	0.328	0.253
Radium-228	pCi/L	1.64	0.716	0.4	0.0819	0.527	0.0586	0.391	0.529	1.86	< 0.468
Radium-226/228	pCi/L	2.5	0.857	1.54	0.402	0.527	1.15	0.411	1.1	2.19	0.611
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00051
Other											
Total Suspended Solids	mg/L	< 3	25	7.5	7.4	4.9	8.6	8	5.3	5.6	4.6
Bicarbonate	mg/L	450	430	460	440	450	410	430	431	440	360
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.6
Hardness (as CaCO3)	mg/L	390	393	396	394	398	398	368	400	388	380
Magnesium	mg/L	38.4	40.3	40	39	38.9	39.9	38.2	36	38.3	39
Potassium	mg/L	2.35	2.62	2.27	2.23	2.16	2.19	2.18	1.83	1.94	1.9
Sodium	mg/L	12.6	11.8	11.3	11.6	11	11.3	11.1	10.4	11	12

	Sample Location:	MW-100A	MW-100A
	Sample Date:	8/7/2025	2/5/2026
	Sample Type:	N	N
	Gradient:	Downgradient	Downgradient
	Sampling Phase:	AM	AM
	Fraction:	T	T
Constituent	Unit		
Field Parameters			
pH	su	7.17	7.37
Specific Conductivity	mS/cm	0.729	0.642
Turbidity	NTU	4.54	4.11
Dissolved Oxygen	mg/L	0.87	1.05
Temperature	deg C	16	9.8
Oxidation Reduction Potential	mV	-80.4	-104.5
Part 115			
Copper	mg/L	< 0.0017	< 0.0017
Iron	mg/L	1.8	2.2
Nickel	mg/L	< 0.0015	< 0.0015
Silver	mg/L	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082
Zinc	mg/L	0.0012 J	0.0042 J
Appendix III			
Boron	mg/L	< 0.057	0.045
Calcium	mg/L	89	84
Chloride	mg/L	11	11
Fluoride	mg/L	0.57	0.57
pH (Field Measure)	su	7.17	7.37
Sulfate	mg/L	29	27
Total Dissolved Solids	mg/L	340	370
Appendix IV			
Antimony	mg/L	< 0.00057	< 0.00057
Arsenic	mg/L	0.013	0.012
Barium	mg/L	0.19	0.18
Beryllium	mg/L	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.000077	< 0.000077
Chromium	mg/L	< 0.0012	< 0.0012
Cobalt	mg/L	0.00022 J	0.0002 J
Fluoride	mg/L	0.57	0.57
Lead	mg/L	< 0.00045	< 0.00045
Lithium	mg/L	0.011	0.0091
Mercury	mg/L	< 0.00013	< 0.00013
Molybdenum	mg/L	0.0074	0.0067
Radium-226	pCi/L	< 0.319	0.258
Radium-228	pCi/L	1.11 J+	0.669
Radium-226/228	pCi/L	1.37	0.927
Selenium	mg/L	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	< 0.00051
Other			
Total Suspended Solids	mg/L	5.7	5
Bicarbonate	mg/L	340	360
Carbonate	mg/L	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	380	360
Magnesium	mg/L	38	36
Potassium	mg/L	1.9 J	1.9 J
Sodium	mg/L	11	11

	Sample Location:	MW-100B	MW-100B	MW-100B	MW-100B	MW-100B	MW-100B	MW-100B	MW-100B	MW-100B	MW-100B
	Sample Date:	6/5/2023	6/5/2023	7/10/2023	7/10/2023	8/14/2023	8/14/2023	9/18/2023	9/18/2023	10/23/2023	11/27/2023
	Sample Type:	N	FD	N	FD	N	FD	N	FD	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.34	7.34	7.33	7.33	7.4	7.4	7.34	7.34	7.44	7.4
Specific Conductivity	mS/cm	0.799	0.799	0.805	0.805	0.776	0.776	0.745	0.745	0.752	0.713
Turbidity	NTU	4.02	4.02	4.15	4.15	4.15	4.15	0.81	0.81	5.16	5.01
Dissolved Oxygen	mg/L	0.03	0.03	0.08	0.08	0.19	0.19	0	0	0	0
Temperature	deg C	13.8	13.8	13.9	13.9	14.2	14.2	12.9	12.9	12.1	10.6
Oxidation Reduction Potential	mV	-129.9	-129.9	-145.9	-145.9	-176.8	-176.8	-149.9	-149.9	-154.8	-141.7
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	1.77	1.79	3.54	3.43	2.89	2.88	2.34	2.36	2.33	2.35
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	0.21	0.23	0.23	0.23	0.25	0.25	0.25	0.24	0.26	0.29
Calcium	mg/L	108	106	102	101	98	99.2	97.8	100	95.9	94.5
Chloride	mg/L	22	22	23	23	25	25	25	25	24	24
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.15
pH (Field Measure)	su	7.34	7.34	7.33	7.33	7.4	7.4	7.34	7.34	7.44	7.4
Sulfate	mg/L	136	135	126	126	116	116	110	110	108	105
Total Dissolved Solids	mg/L	538	534	534	526	508	510	492	496	490	482
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	0.009	0.008	0.01	0.01	0.011	0.01	0.011	0.012	0.01	0.01
Barium	mg/L	0.164	0.163	0.159	0.156	0.153	0.154	0.154	0.159	0.145	0.147
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.15
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.017	0.018	0.016	0.016	0.017	0.017	0.019	0.017	0.017	0.018
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.009	0.008	0.011	0.011	0.01	0.01	0.009	0.008	0.009	0.009
Radium-226	pCi/L	0.549 UJ	0.295 UJ	0.576 UJ	0.395 UJ	1.31 J+	0.2 J-	0.983 J+	0.188 J	0.732 J+	0.868 J+
Radium-228	pCi/L	1.61 J+	1.5 J-	1.52 J+	1.17 J-	0.682	0.96	0.0316	0.832 J+	0.613	0.953
Radium-226/228	pCi/L	2.16 J	1.8 J	1.62 J+	1.23 J-	1.99 J+	1.16 J-	1.01	1.02	1.35	1.82
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	3	2.3	7.1	6.7	3	3.4	3.7	4.7	4.1	2.5
Bicarbonate	mg/L	350	360	440	350	360	360	320	330	330	310
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	410	410	397	393	364	364	374	378	364	369
Magnesium	mg/L	35.7	38	35	34.9	35.8	35.5	32.7	33.5	33.2	32.5
Potassium	mg/L	3.34	3.35	3.5	3.54	3.46	3.54	3.51	3.61	3.69	3.76
Sodium	mg/L	23.2	23	26.9	27.1	24.8	24.9	25.9	24.8	27.4	30.3

	Sample Location:	MW-100B	MW-100B	MW-100B	MW-100B	MW-100B	MW-100B
	Sample Date:	1/3/2024	2/7/2024	8/7/2024	2/5/2025	8/7/2025	2/5/2026
	Sample Type:	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T
Constituent	Unit						
Field Parameters							
pH	su	7.58	7.62	7.41	7.46	7.26	7.6
Specific Conductivity	mS/cm	0.759	0.737	0.73	0.559	0.79	0.695
Turbidity	NTU	0.95	4.18	2.42	4.74	6.42	6.15
Dissolved Oxygen	mg/L	0	0.02	0.26	-0.16	0.16	0.1
Temperature	deg C	11.5	11.1	13.6	10.9	14.8	10.2
Oxidation Reduction Potential	mV	-157	-132.9	-118.3	-147.1	-134.5	-154.6
Part 115							
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	2.43	2.4	2.85	2.2	2.3	2.5
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.0015	0.002	0.0016 J
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	0.0019 J	< 0.00093	< 0.0046
Appendix III							
Boron	mg/L	0.26	0.26	0.22	0.3	0.26	0.24
Calcium	mg/L	94.2	96.8	102	89	96	87
Chloride	mg/L	23.8	22.3	19	19	18	17
Fluoride	mg/L	< 1	< 1	0.3	0.44	0.4	0.41
pH (Field Measure)	su	7.58	7.62	7.41	7.46	7.26	7.6
Sulfate	mg/L	112	107	118	110	120	120
Total Dissolved Solids	mg/L	490	496	520	440	440	470
Appendix IV							
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	0.011	0.011	0.01	0.0073	0.0087	0.0067
Barium	mg/L	0.142	0.147	0.143	0.14	0.14	0.13
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.000086	< 0.000086	< 0.000086
Fluoride	mg/L	< 1	< 1	0.3	0.44	0.4	0.41
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.018	0.017	0.018	0.019	0.019	0.017
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	0.008	0.009	0.006	0.0065	0.0054	0.0049 J
Radium-226	pCi/L	0.201	1.03	0.532	0.331	0.389	0.209
Radium-228	pCi/L	0.293	0.482	-0.297	< 0.62	1.27 J+	0.814
Radium-226/228	pCi/L	0.494	1.51	0.532	< 0.62	1.66	1.02
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051
Other							
Total Suspended Solids	mg/L	4.5	4.9	2.4	5.6 J	2.7 J	4.3
Bicarbonate	mg/L	330	339	360	270	280	300
Carbonate	mg/L	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	376	367	398	350	380	340
Magnesium	mg/L	32.3	29.4	35.7	32	34	31
Potassium	mg/L	3.59	3.46	3.45	3.6	3.5	3.5
Sodium	mg/L	27.1	27.1	30.8	32	28	24

	Sample Location:	MW-100C	MW-100C	MW-100C	MW-100C	MW-100C	MW-100C	MW-100C	MW-100C	MW-100C	MW-100C
	Sample Date:	6/5/2023	7/10/2023	8/14/2023	9/18/2023	10/23/2023	10/23/2023	11/27/2023	11/27/2023	1/3/2024	1/3/2024
	Sample Type:	N	N	N	N	N	FD	N	FD	N	FD
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	Background	Background
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.54	7.3	7.34	7.23	7.29	7.29	7.27	7.27	7.43	7.43
Specific Conductivity	mS/cm	0.544	0.539	0.537	0.525	0.538	0.538	0.523	0.523	0.533	0.533
Turbidity	NTU	4.68	4.02	5.89	0.81	5.15	5.15	4.15	4.15	1.44	1.44
Dissolved Oxygen	mg/L	0.02	0.06	0.23	0.01	0	0	0	0	0	0
Temperature	deg C	13.5	13.7	14	12.8	12.3	12.3	10.2	10.2	11.3	11.3
Oxidation Reduction Potential	mV	-95.6	-131.4	-129.7	-113.3	-115.8	-115.8	-107.2	-107.2	-133.5	-133.5
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Iron	mg/L	0.31	1	0.97	0.76	0.66	0.66	0.64	0.66	0.63	0.61
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Appendix III											
Boron	mg/L	1.54	1.68	1.81	1.83	1.76	1.76	1.82	1.84	1.79	1.71
Calcium	mg/L	55.9	56.3	55.2	59.8	61.2	61.5	61.1	60.7	60.3	58.4
Chloride	mg/L	14	10	8	6	5	5	5.01	5.04	4.8	4.8
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	0.13	< 1	< 1	< 1
pH (Field Measure)	su	7.54	7.3	7.34	7.23	7.29	7.29	7.27	7.27	7.43	7.43
Sulfate	mg/L	27	14	13	8	7	6	5.59	5.66	5.4	4.9
Total Dissolved Solids	mg/L	310	300	314	302	302	298	306	302	282	298
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Barium	mg/L	0.067	0.082	0.082	0.092	0.082	0.083	0.081	0.085	0.073	0.074
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	< 1	0.13	< 1	< 1	< 1
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lithium	mg/L	0.029	0.028	0.031	0.035	0.034	0.032	0.032	0.032	0.033	0.032
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/L	0.009	0.009	0.007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Radium-226	pCi/L	0.677	0.52	1.2	0.581 J+	0.542 J	1.07 J+	1.69 J+	0.45 J	0.327 J+	0.158 J-
Radium-228	pCi/L	-0.307	0.827	-0.958	0.276	0.836	1.02	-0.293 J-	0.906 J+	0.198	0.211
Radium-226/228	pCi/L	0.677	0.977	1.2	0.857	1.38	2.09	1.69	1.36	0.525	0.369
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Other											
Total Suspended Solids	mg/L	1.8	1.4	8.9	2.8	< 3	< 3	1.2 J+	< 3 UJ	1.4	1.4
Bicarbonate	mg/L	310	100	340	340	340	340	330	340	350	350
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hardness (as CaCO3)	mg/L	200	204	218	232	232	238	237	237	233	233
Magnesium	mg/L	18.1	18.1	18.5	19.1	19.5	19.2	19.3	19.7	19.8	20.2
Potassium	mg/L	6.4	6.59	6.49	6.67	6.83	6.9	6.56	6.68	6.98	6.99
Sodium	mg/L	44.1	38.2	36.4	30.5	29.2	29.1	28.3	28.2	29.5	29

	Sample Location:	MW-100C	MW-100C	MW-100C	MW-100C	MW-100C	MW-100C	MW-100C	MW-100C	MW-100C	MW-100C
	Sample Date:	2/7/2024	2/7/2024	8/7/2024	8/7/2024	2/5/2025	2/5/2025	8/7/2025	8/7/2025	2/5/2026	2/5/2026
	Sample Type:	N	FD	N	FD	N	FD	N	FD	N	FD
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	7.46	7.46	7.39	7.39	7.32	7.32	7.15	7.15	7.49	7.49
Specific Conductivity	mS/cm	0.52	0.52	0.512	0.512	0.433	0.433	0.525	0.525	0.473	0.473
Turbidity	NTU	5.78	5.78	0.02	0.02	8.44	8.44	7.4	7.4	6.45	6.45
Dissolved Oxygen	mg/L	0	0	0.23	0.23	-0.13	-0.13	0.16	0.16	0.04	0.04
Temperature	deg C	11.3	11.3	14.1	14.1	11.7	11.7	14.4	14.4	10.2	10.2
Oxidation Reduction Potential	mV	-89.9	-89.9	-112.5	-112.5	-108.9	-108.9	-90.7	-90.7	-105.3	-105.3
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017
Iron	mg/L	0.59	0.58	0.69	0.71	0.58	0.61	0.59	0.58	0.53	0.54
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	0.0014 J+	< 0.00093 UJ	0.001 J+	< 0.00093 UJ	< 0.00093	< 0.00093
Appendix III											
Boron	mg/L	1.87	1.81	1.91	1.9	1.9	1.9	1.9	1.9	1.8	1.9
Calcium	mg/L	58.7	59.5	59.4	59.2	59	60	56	57	59	61
Chloride	mg/L	4.7	4.8	4.6	4.6	2.8	2.7	3	3	2.4	2.4
Fluoride	mg/L	< 1	< 1	0.3	0.3	0.43	0.43	0.43	0.5	0.43	0.43
pH (Field Measure)	su	7.46	7.46	7.39	7.39	7.32	7.32	7.15	7.15	7.49	7.49
Sulfate	mg/L	5.8	5.6	6	6.1	4.2	4.3	3.4	3.5	1.6	1.6
Total Dissolved Solids	mg/L	300	298	298	300	280	270	240	240	280	270
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057	< 0.00057
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00075	< 0.00075	0.0021 J+	0.0017 J-	< 0.00075 UJ	0.00084 J+
Barium	mg/L	0.075	0.073	0.062	0.06	0.062	0.064	0.051	0.052	0.054	0.055
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086	< 0.000086
Fluoride	mg/L	< 1	< 1	0.3	0.3	0.43	0.43	0.43	0.5	0.43	0.43
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045	< 0.00045
Lithium	mg/L	0.033	0.032	0.033	0.031	0.032	0.032	0.032	0.032	0.033	0.034
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
Molybdenum	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	0.0011 J	0.0011 J	0.0015 J	0.0015 J	< 0.0011	< 0.0011
Radium-226	pCi/L	1.21 J+	0.682 J-	0.377	0.369	0.268	0.248	0.25 J+	< 0.254 UJ	0.158 J-	0.249 J+
Radium-228	pCi/L	0.346 J-	2.56 J+	1.2 J+	0.745 J-	< 0.621 UJ	< 0.483 UJ	< 0.603 UJ	0.977 J+	< 0.461 UJ	< 0.613 UJ
Radium-226/228	pCi/L	1.56 J-	3.25 J+	1.58 J+	1.11 J-	0.851 J+	< 0.483 UJ	< 0.603 UJ	1.15 J+	0.467	0.614
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051	< 0.00051
Other											
Total Suspended Solids	mg/L	< 3	< 3	0.9	1.2	1.2 J	1.1 J	2.8 J	3.1 J	1 J	1.1 J
Bicarbonate	mg/L	350	354	360	350	290	290	270	270	300	300
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	238	230	218	216	230	230	220	220	230	230
Magnesium	mg/L	17.3	17.5	19	18.8	20	20	18	19	20	20
Potassium	mg/L	6.12	6.03	6.85	6.66	6.5	6.6	6.7	6.5	6.1	6.4
Sodium	mg/L	25.7	26	32.7	33.4	28	28	31	32	26	29

	Sample Location:	MW-100D	MW-100D	MW-100D	MW-100D	MW-100D	MW-100D	MW-100D	MW-100D	MW-100D	MW-100D
	Sample Date:	6/5/2023	7/10/2023	8/14/2023	9/18/2023	10/23/2023	11/27/2023	1/3/2024	2/7/2024	8/7/2024	2/5/2025
	Sample Type:	N	N	N	N	N	N	N	N	N	N
	Gradient:	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient
	Sampling Phase:	Background	Background	Background	Background	Background	Background	Background	Background	AM	AM
	Fraction:	T	T	T	T	T	T	T	T	T	T
Constituent	Unit										
Field Parameters											
pH	su	8.04	7.82	7.9	7.58	7.59	8.01	8.22	7.74	7.21	7.41
Specific Conductivity	mS/cm	0.575	0.585	0.598	0.597	0.6	0.592	0.597	0.737	0.927	0.662
Turbidity	NTU	8.78	8.15	7.95	5.58	5.05	4.95	3.08	6.19	6.9	8.62
Dissolved Oxygen	mg/L	0.01	0.05	0.15	0.02	0.01	0	0	0.02	0.23	-0.18
Temperature	deg C	13.8	14.3	14.5	13	13	9.9	11.1	11.6	14.2	11.4
Oxidation Reduction Potential	mV	-73.2	-90.1	-184.8	-201.5	-182.6	-163.3	-209.3	-81	-97.9	-132
Part 115											
Copper	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0017
Iron	mg/L	0.24	0.64	0.45	0.38	0.15	0.12	0.12	0.13	0.77	0.3
Nickel	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0015
Silver	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000053
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00082
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.002 J
Appendix III											
Boron	mg/L	3.45	3.23	3.39	3.35	3.22	3.37	3.19	2.84	1.89	2.7
Calcium	mg/L	7.77	7.18	6.27	6.21	5.86	5.57	5.26	20.2	56.5	21
Chloride	mg/L	< 5	< 5	5	< 5	< 5	4.2	4.2	9.1	13.1	6.2
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	0.5	0.49	0.3	0.4	0.85
pH (Field Measure)	su	8.04	7.82	7.9	7.58	7.59	8.01	8.22	7.74	7.21	7.41
Sulfate	mg/L	< 5	6	14	11	10	9.17	9.8	31	60.5	33
Total Dissolved Solids	mg/L	366	392	414	396	390	388	372	468	584	430
Appendix IV											
Antimony	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00057
Arsenic	mg/L	< 0.002	< 0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.0016 J
Barium	mg/L	0.01	0.011	0.01	0.01	0.008	0.008	0.007	0.012	0.019	0.0098
Beryllium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00027
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000077
Chromium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.0012
Cobalt	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.000086
Fluoride	mg/L	< 1	< 1	< 1	< 1	< 1	0.5	0.49	0.3	0.4	0.85
Lead	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.00045
Lithium	mg/L	0.031	0.016	0.016	0.017	0.017	0.018	0.018	0.02	0.016	0.018
Mercury	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00013
Molybdenum	mg/L	< 0.005	0.01	0.012	0.01	0.009	0.008	0.008	0.007	0.007	0.0056
Radium-226	pCi/L	0.509	0.426	1.32	0.535 J+	0.649 J+	0.893 J+	0.0752	0.515	0.153	< 0.122
Radium-228	pCi/L	4.56	0.921	0.135	0.261	0.947	-0.914	0.402	0.00918	1.22	< 0.593
Radium-226/228	pCi/L	5.06	1.01	1.46	0.796	1.6	0.893	0.477	0.524	1.37	< 0.593
Selenium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00089
Thallium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00051
Other											
Total Suspended Solids	mg/L	2.7	2.7	2.2	2	< 3	< 3	< 3	1.8	9.5	2.2 J
Bicarbonate	mg/L	390	390	390	380	390	370	390	443	550	360
Carbonate	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.6
Hardness (as CaCO3)	mg/L	30	32	19	17	19	49	28	69	178	68
Magnesium	mg/L	2.03	1.81	1.47	1.46	1.28	1.27	1.27	3.68	9.5	3.9
Potassium	mg/L	4.92	4.62	4.22	4.48	4.35	4.03	4.18	4	5.37	4.4
Sodium	mg/L	147	152	151	158	148	151	134	136	160	150

	Sample Location:	MW-100D	MW-100D
	Sample Date:	8/7/2025	2/5/2026
	Sample Type:	N	N
	Gradient:	Downgradient	Downgradient
	Sampling Phase:	AM	AM
	Fraction:	T	T
Constituent	Unit		
Field Parameters			
pH	su	6.85	7.39
Specific Conductivity	mS/cm	1.149	0.729
Turbidity	NTU	4.02	6.95
Dissolved Oxygen	mg/L	0.16	0.05
Temperature	deg C	14.8	9.5
Oxidation Reduction Potential	mV	-1.2	-107.2
Part 115			
Copper	mg/L	< 0.0017	< 0.0017
Iron	mg/L	0.24	0.27
Nickel	mg/L	0.0018 J	< 0.0015
Silver	mg/L	< 0.000053	< 0.000053
Vanadium	mg/L	< 0.00082	< 0.00082
Zinc	mg/L	0.0053 J	< 0.0046
Appendix III			
Boron	mg/L	2	2.6
Calcium	mg/L	68	25
Chloride	mg/L	16	7.1
Fluoride	mg/L	0.63	0.86
pH (Field Measure)	su	6.85	7.39
Sulfate	mg/L	110	44
Total Dissolved Solids	mg/L	650	460
Appendix IV			
Antimony	mg/L	< 0.00057	< 0.00057
Arsenic	mg/L	0.0025 J	0.0018 J
Barium	mg/L	0.015	0.0082
Beryllium	mg/L	< 0.00027	< 0.00027
Cadmium	mg/L	< 0.000077	< 0.000077
Chromium	mg/L	< 0.0012	< 0.0012
Cobalt	mg/L	0.00042 J	0.00033 J
Fluoride	mg/L	0.63	0.86
Lead	mg/L	< 0.00045	< 0.00045
Lithium	mg/L	0.018	0.02
Mercury	mg/L	< 0.00013	< 0.00013
Molybdenum	mg/L	0.0064	0.005
Radium-226	pCi/L	< 0.321	< 0.0946
Radium-228	pCi/L	0.658 J+	< 0.687
Radium-226/228	pCi/L	0.737	< 0.687
Selenium	mg/L	< 0.00089	< 0.00089
Thallium	mg/L	< 0.00051	< 0.00051
Other			
Total Suspended Solids	mg/L	2.7 J	1.6 J
Bicarbonate	mg/L	480	390
Carbonate	mg/L	< 2.6	< 2.6
Hardness (as CaCO3)	mg/L	220	83
Magnesium	mg/L	13	4.9
Potassium	mg/L	4.1	3.6
Sodium	mg/L	190	150

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

su - standard pH units (pH is a field parameter)

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

U The analyte was analyzed for, but was not detected at, a level greater than or equal to the level of the adjusted reporting limit (RL) for the sample and method.

J The analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain QC criteria were not met, or to the concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentially biased high.

J– Same as J, and the reported concentration is potentially biased low.

UJ The analyte was not detected at a level greater than or equal to the adjusted method detection limit (MDL). However, the reported adjusted MDL is approximate and might be inaccurate or imprecise.

R The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte might or might not be present in the sample.

Appendix D

Lab Reports and Data Validation Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

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JOB DESCRIPTION

Erickson Project - MNA Tier II Geochem

JOB NUMBER

240-240994-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

my EOL

Job Notes

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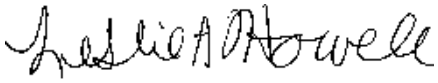
Authorization



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Revision 1

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Definitions/Glossary

Client: Lansing Board of Water & Light
Job ID: 240-240994-1
Project/Site: Erickson Project - MNA Tier II Geochem

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-240994-1 Eurofins Cleveland

Job Narrative
240-240994-1

REVISION

The report being provided is a revision of the original report sent on 1/23/2026. The report (revision 1) is being revised due to dissolved chromium was not reported.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 1/8/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.5°C and 3.9°C.

Receipt Exceptions
The following samples were listed on the Chain of Custody (COC); however, no samples were received: L601169-01 MW-2 (240-240994-1), L601169--02 MW-3 (240-240994-2), L601169-03 MW-7 (240-240994-3), L601169-04 MW-14 (240-240994-4), L601169-05 MW-17A (240-240994-5), L601169-06 MW-17B (240-240994-6), L601169-07 MW-17C (240-240994-7), L601169-08 MW-17D (240-240994-8), L601169-09 MW-17E (240-240994-9), L601169-10 MWT-17A (240-240994-10) and L601169-11 Field Blank (240-240994-11).

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method SM 4500 S2 D: Samples L601169-01 MW-2 (240-240994-1), L601169--02 MW-3 (240-240994-2), L601169-03 MW-7 (240-240994-3), L601169-04 MW-14 (240-240994-4), L601169-05 MW-17A (240-240994-5), L601169-06 MW-17B (240-240994-6), L601169-07 MW-17C (240-240994-7), L601169-08 MW-17D (240-240994-8), L601169-09 MW-17E (240-240994-9), L601169-10 MWT-17A (240-240994-10) and L601169-11 Field Blank (240-240994-11) was/were received outside of holding time.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Job ID: 240-240994-1
Project/Site: Erickson Project - MNA Tier II Geochem

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET SSM
200.8	Metals (ICP/MS)	EPA	EET SSM
200.8-1994 R5.4	Metals (ICP/MS)	EPA	EET CLE
5310 C-2014	Total Organic Carbon/Persulfate - Ultrav	SM	EET CLE
SM 4500 NO2 B	Nitrogen, Nitrite	SM	EET MI
SM 4500 S2 D	Sulfide, Total	SM	EET CAL 4
SM4500 NO3 D	Nitrogen, Nitrate	SM	EET MI
200.7	Preparation, Total Metals	EPA	EET SSM
200.8	Preparation, Total Metals	EPA	EET SSM
200.8-1994 R5.4	Preparation, Total Recoverable Metals	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Lansing Board of Water & Light
Job ID: 240-240994-1
Project/Site: Erickson Project - MNA Tier II Geochem

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-240994-1	L601169-01 MW-2	Water	01/06/26 14:00	01/08/26 08:00	Michigan
240-240994-2	L601169--02 MW-3	Water	01/06/26 11:35	01/08/26 08:00	Michigan
240-240994-3	L601169-03 MW-7	Water	01/06/26 16:10	01/08/26 08:00	Michigan
240-240994-4	L601169-04 MW-14	Water	01/06/26 09:30	01/08/26 08:00	Michigan
240-240994-5	L601169-05 MW-17A	Water	01/06/26 09:57	01/08/26 08:00	Michigan
240-240994-6	L601169-06 MW-17B	Water	01/06/26 11:33	01/08/26 08:00	Michigan
240-240994-7	L601169-07 MW-17C	Water	01/06/26 12:40	01/08/26 08:00	Michigan
240-240994-8	L601169-08 MW-17D	Water	01/06/26 13:54	01/08/26 08:00	Michigan
240-240994-9	L601169-09 MW-17E	Water	01/06/26 15:11	01/08/26 08:00	Michigan
240-240994-10	L601169-10 MWT-17A	Water	01/06/26 09:57	01/08/26 08:00	Michigan
240-240994-11	L601169-11 Field Blank	Water	01/06/26 08:30	01/08/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Job ID: 240-240994-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601169-01 MW-2 — Lab Sample ID: 240-240994-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	3.8		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.045		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Cadmium, Dissolved	0.00031	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	190		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.0040		0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Copper, Dissolved	0.0018	J	0.0020	0.0017	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.043		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	50		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.012		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.017		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Selenium, Dissolved	0.0010	J	0.0050	0.00089	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	1.4		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	1.4		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	58		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.026	J	0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0016	J	0.0070	0.00093	mg/L	1		200.8	Dissolved
Aluminum, Dissolved	0.016	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Total Organic Carbon	4.2		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.2		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601169--02 MW-3 — Lab Sample ID: 240-240994-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	5.7		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0025	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.015		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Cadmium, Dissolved	0.00012	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	230		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00060	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.081		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	45		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.19		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0038		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.17		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	1.4		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	110		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.8		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0050	J	0.0070	0.00093	mg/L	1		200.8	Dissolved
Aluminum, Dissolved	0.014	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Total Organic Carbon	1.5		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.81		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601169-03 MW-7 — Lab Sample ID: 240-240994-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	2.1		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0029	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.058		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	160		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00041	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.083		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	21		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: L601169-03 MW-7 (Continued) — Lab Sample ID: 240-240994-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum, Dissolved	0.15		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0021		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.25		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	7.1		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	78		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.4		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	7.2		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.1		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601169-04 MW-14 — Lab Sample ID: 240-240994-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	1.9		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0065		0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.13		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	160		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00053	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.091		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	42		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.012		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0038		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Vanadium, Dissolved	0.0012	J	0.0050	0.00082	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.74		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	4.8		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	71		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	13		0.50	0.067	mg/L	5		200.8	Dissolved
Zinc, Dissolved	0.011		0.0070	0.00093	mg/L	1		200.8	Dissolved
Aluminum, Dissolved	0.0081	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Total Organic Carbon	14		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	2.1		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601169-05 MW-17A — Lab Sample ID: 240-240994-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	4.5		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.036		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	240		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.052		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	67		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.025		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.013		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.12		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	2.5		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	51		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	6.0		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.032		0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	3.2		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.86		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-240994-1

Client Sample ID: L601169-06 MW-17B — Lab Sample ID: 240-240994-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	1.4		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0033	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.053		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	170		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00069	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.054		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	36		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.058		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0038		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.26		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	11		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	65		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.6		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	1.5		0.0070	0.00093	mg/L	1		200.8	Dissolved
Aluminum, Dissolved	0.0071	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Total Organic Carbon	9.8		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.1		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601169-07 MW-17C — Lab Sample ID: 240-240994-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.93		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0015	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.052		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	200		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.0023		0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.018		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	41		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.022		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0049		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.49		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	19		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	41		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.3		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	4.3		0.035	0.0046	mg/L	5		200.8	Dissolved
Aluminum, Dissolved	0.021	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Total Organic Carbon	17		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrite as N	0.032	J	0.10	0.0097	mg/L	1		SM 4500 NO2 B	Total/NA
Nitrate as N	1.4		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601169-08 MW-17D — Lab Sample ID: 240-240994-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	2.4		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.040		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	49		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.032		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	16		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.0039	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.022		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	8.5		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	43		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-240994-1

Client Sample ID: L601169-08 MW-17D (Continued) — Lab Sample ID: 240-240994-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron, Dissolved	0.64		0.10	0.013	mg/L	1		200.8	Dissolved
Aluminum, Dissolved	0.013	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Nitrate as N	0.20		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601169-09 MW-17E — Lab Sample ID: 240-240994-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	1.9		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.037		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	110		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00059	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.031		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	22		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.018		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0020		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.18		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	25		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	160		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.14		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	1.4		0.0070	0.00093	mg/L	1		200.8	Dissolved
Aluminum, Dissolved	0.0066	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Total Organic Carbon	11		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrite as N	0.0098	J	0.10	0.0097	mg/L	1		SM 4500 NO2 B	Total/NA
Nitrate as N	1.3		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601169-10 MWT-17A — Lab Sample ID: 240-240994-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	4.5		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.00083	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.038		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	250		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.055		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	71		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.027		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.013		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.13		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	2.6		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	54		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	6.0		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.035		0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	3.3		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.84		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601169-11 Field Blank — Lab Sample ID: 240-240994-11

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: L601169-01 MW-2
Lab Sample ID: 240-240994-1

Date Collected: 01/06/26 14:00
Matrix: Water
Date Received: 01/08/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**3.8**		0.50	0.041	mg/L		01/13/26 14:55	01/20/26 14:58	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 17:39	1
Barium, Dissolved	**0.045**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 17:39	1
Cadmium, Dissolved	**0.00031**	**J**	0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 17:39	1
Calcium, Dissolved	**190**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 17:39	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 17:39	1
Cobalt, Dissolved	**0.0040**		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 17:39	1
Copper, Dissolved	**0.0018**	**J**	0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 17:39	1
Lithium, Dissolved	**0.043**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 17:39	1
Magnesium, Dissolved	**50**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 17:39	1
Molybdenum, Dissolved	**0.012**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 17:39	1
Nickel, Dissolved	**0.017**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 17:39	1
Selenium, Dissolved	**0.0010**	**J**	0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 17:39	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 17:39	1
Manganese, Dissolved	**1.4**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 17:39	1
Potassium, Dissolved	**1.4**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 17:39	1
Sodium, Dissolved	**58**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 17:39	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.026**	**J**	0.10	0.013	mg/L		01/13/26 14:55	01/14/26 19:13	1
Zinc, Dissolved	**0.0016**	**J**	0.0070	0.00093	mg/L		01/13/26 14:55	01/14/26 19:13	1
Aluminum, Dissolved	**0.016**	**J**	0.040	0.0058	mg/L		01/13/26 14:55	01/14/26 19:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**4.2**		1.0	0.44	mg/L			01/13/26 22:14	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/07/26 18:38	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:26	1
Nitrate as N (SM4500 NO3 D)	**1.2**		0.20	0.070	mg/L			01/07/26 17:07	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-240994-1

Client Sample ID: L601169--02 MW-3

Date Collected: 01/06/26 11:35
Date Received: 01/08/26 08:00

Lab Sample ID: 240-240994-2

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**5.7**		0.50	0.041	mg/L		01/13/26 14:55	01/20/26 15:02	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0025**	**J**	0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 17:42	1
Barium, Dissolved	**0.015**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 17:42	1
Cadmium, Dissolved	**0.00012**	**J**	0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 17:42	1
Calcium, Dissolved	**230**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 17:42	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 17:42	1
Cobalt, Dissolved	**0.00060**	**J**	0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 17:42	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 17:42	1
Lithium, Dissolved	**0.081**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 17:42	1
Magnesium, Dissolved	**45**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 17:42	1
Molybdenum, Dissolved	**0.19**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 17:42	1
Nickel, Dissolved	**0.0038**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 17:42	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 17:42	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 17:42	1
Manganese, Dissolved	**0.17**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 17:42	1
Potassium, Dissolved	**1.4**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 17:42	1
Sodium, Dissolved	**110**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 17:42	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.8**		0.10	0.013	mg/L		01/13/26 14:55	01/14/26 19:15	1
Zinc, Dissolved	**0.0050**	**J**	0.0070	0.00093	mg/L		01/13/26 14:55	01/14/26 19:15	1
Aluminum, Dissolved	**0.014**	**J**	0.040	0.0058	mg/L		01/13/26 14:55	01/14/26 19:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**1.5**		1.0	0.44	mg/L			01/13/26 22:37	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/07/26 18:38	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:28	1
Nitrate as N (SM4500 NO3 D)	**0.81**		0.20	0.070	mg/L			01/07/26 16:30	1

Client Sample ID: L601169-03 MW-7
Lab Sample ID: 240-240994-3

Date Collected: 01/06/26 16:10
Matrix: Water
Date Received: 01/08/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**2.1**		0.50	0.041	mg/L		01/13/26 14:55	01/20/26 15:05	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0029**	**J**	0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 17:45	1
Barium, Dissolved	**0.058**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 17:45	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 17:45	1
Calcium, Dissolved	**160**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 17:45	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 17:45	1
Cobalt, Dissolved	**0.00041**	**J**	0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 17:45	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 17:45	1
Lithium, Dissolved	**0.083**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 17:45	1
Magnesium, Dissolved	**21**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 17:45	1
Molybdenum, Dissolved	**0.15**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 17:45	1
Nickel, Dissolved	**0.0021**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 17:45	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 17:45	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 17:45	1
Manganese, Dissolved	**0.25**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 17:45	1
Potassium, Dissolved	**7.1**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 17:45	1
Sodium, Dissolved	**78**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 17:45	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.4**		0.10	0.013	mg/L		01/13/26 14:55	01/14/26 19:18	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 14:55	01/14/26 19:18	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 14:55	01/14/26 19:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**7.2**		1.0	0.44	mg/L			01/13/26 22:59	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/07/26 18:38	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:30	1
Nitrate as N (SM4500 NO3 D)	**1.1**		0.20	0.070	mg/L			01/07/26 15:33	1

Client Sample ID: L601169-04 MW-14
Lab Sample ID: 240-240994-4

Date Collected: 01/06/26 09:30
Matrix: Water
Date Received: 01/08/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**1.9**		0.50	0.041	mg/L		01/13/26 14:55	01/20/26 15:08	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0065**		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 17:48	1
Barium, Dissolved	**0.13**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 17:48	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 17:48	1
Calcium, Dissolved	**160**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 17:48	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 17:48	1
Cobalt, Dissolved	**0.00053**	**J**	0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 17:48	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 17:48	1
Lithium, Dissolved	**0.091**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 17:48	1
Magnesium, Dissolved	**42**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 17:48	1
Molybdenum, Dissolved	**0.012**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 17:48	1
Nickel, Dissolved	**0.0038**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 17:48	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 17:48	1
Vanadium, Dissolved	**0.0012**	**J**	0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 17:48	1
Manganese, Dissolved	**0.74**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 17:48	1
Potassium, Dissolved	**4.8**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 17:48	1
Sodium, Dissolved	**71**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 17:48	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**13**		0.50	0.067	mg/L		01/13/26 14:55	01/14/26 19:24	5
Zinc, Dissolved	**0.011**		0.0070	0.00093	mg/L		01/13/26 14:55	01/14/26 19:21	1
Aluminum, Dissolved	**0.0081**	**J**	0.040	0.0058	mg/L		01/13/26 14:55	01/14/26 19:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**14**		1.0	0.44	mg/L			01/14/26 00:07	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/07/26 18:39	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:32	1
Nitrate as N (SM4500 NO3 D)	**2.1**		0.20	0.070	mg/L			01/07/26 15:03	1

Client Sample ID: L601169-05 MW-17A
Lab Sample ID: 240-240994-5

Date Collected: 01/06/26 09:57
Matrix: Water
Date Received: 01/08/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**4.5**		0.50	0.041	mg/L		01/13/26 14:55	01/20/26 15:12	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 17:51	1
Barium, Dissolved	**0.036**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 17:51	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 17:51	1
Calcium, Dissolved	**240**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 17:51	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 17:51	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 17:51	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 17:51	1
Lithium, Dissolved	**0.052**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 17:51	1
Magnesium, Dissolved	**67**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 17:51	1
Molybdenum, Dissolved	**0.025**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 17:51	1
Nickel, Dissolved	**0.013**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 17:51	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 17:51	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 17:51	1
Manganese, Dissolved	**0.12**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 17:51	1
Potassium, Dissolved	**2.5**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 17:51	1
Sodium, Dissolved	**51**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 17:51	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**6.0**		0.10	0.013	mg/L		01/13/26 14:55	01/14/26 19:27	1
Zinc, Dissolved	**0.032**		0.0070	0.00093	mg/L		01/13/26 14:55	01/14/26 19:27	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 14:55	01/14/26 19:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**3.2**		1.0	0.44	mg/L			01/13/26 23:22	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/07/26 18:39	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:34	1
Nitrate as N (SM4500 NO3 D)	**0.86**		0.20	0.070	mg/L			01/07/26 15:09	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-240994-1

Client Sample ID: L601169-06 MW-17B

Date Collected: 01/06/26 11:33
Date Received: 01/08/26 08:00

Lab Sample ID: 240-240994-6

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**1.4**		0.50	0.041	mg/L		01/13/26 14:55	01/20/26 15:15	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0033**	**J**	0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 17:59	1
Barium, Dissolved	**0.053**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 17:59	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 17:59	1
Calcium, Dissolved	**170**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 17:59	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 17:59	1
Cobalt, Dissolved	**0.00069**	**J**	0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 17:59	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 17:59	1
Lithium, Dissolved	**0.054**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 17:59	1
Magnesium, Dissolved	**36**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 17:59	1
Molybdenum, Dissolved	**0.058**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 17:59	1
Nickel, Dissolved	**0.0038**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 17:59	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 17:59	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 17:59	1
Manganese, Dissolved	**0.26**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 17:59	1
Potassium, Dissolved	**11**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 17:59	1
Sodium, Dissolved	**65**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 17:59	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.6**		0.10	0.013	mg/L		01/13/26 14:55	01/14/26 19:35	1
Zinc, Dissolved	**1.5**		0.0070	0.00093	mg/L		01/13/26 14:55	01/14/26 19:35	1
Aluminum, Dissolved	**0.0071**	**J**	0.040	0.0058	mg/L		01/13/26 14:55	01/14/26 19:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**9.8**		1.0	0.44	mg/L			01/14/26 07:04	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/07/26 18:40	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:36	1
Nitrate as N (SM4500 NO3 D)	**1.1**		0.20	0.070	mg/L			01/07/26 15:27	1

Client Sample ID: L601169-07 MW-17C
Lab Sample ID: 240-240994-7

Date Collected: 01/06/26 12:40
Matrix: Water
Date Received: 01/08/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.93**		0.50	0.041	mg/L		01/13/26 14:55	01/20/26 15:18	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0015**	**J**	0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 18:02	1
Barium, Dissolved	**0.052**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 18:02	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 18:02	1
Calcium, Dissolved	**200**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 18:02	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 18:02	1
Cobalt, Dissolved	**0.0023**		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 18:02	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 18:02	1
Lithium, Dissolved	**0.018**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 18:02	1
Magnesium, Dissolved	**41**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 18:02	1
Molybdenum, Dissolved	**0.022**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 18:02	1
Nickel, Dissolved	**0.0049**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 18:02	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 18:02	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 18:02	1
Manganese, Dissolved	**0.49**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 18:02	1
Potassium, Dissolved	**19**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 18:02	1
Sodium, Dissolved	**41**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 18:02	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.3**		0.10	0.013	mg/L		01/13/26 14:55	01/14/26 19:38	1
Zinc, Dissolved	**4.3**		0.035	0.0046	mg/L		01/13/26 14:55	01/14/26 19:41	5
Aluminum, Dissolved	**0.021**	**J**	0.040	0.0058	mg/L		01/13/26 14:55	01/14/26 19:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**17**		1.0	0.44	mg/L			01/14/26 01:14	1
Nitrite as N (SM 4500 NO2 B)	**0.032**	**J**	0.10	0.0097	mg/L			01/07/26 18:47	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:40	1
Nitrate as N (SM4500 NO3 D)	**1.4**		0.20	0.070	mg/L			01/07/26 15:48	1

Client Sample ID: L601169-08 MW-17D
Lab Sample ID: 240-240994-8

Date Collected: 01/06/26 13:54
Matrix: Water
Date Received: 01/08/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**2.4**		0.50	0.041	mg/L		01/13/26 14:55	01/20/26 15:22	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 18:05	1
Barium, Dissolved	**0.040**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 18:05	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 18:05	1
Calcium, Dissolved	**49**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 18:05	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 18:05	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 18:05	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 18:05	1
Lithium, Dissolved	**0.032**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 18:05	1
Magnesium, Dissolved	**16**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 18:05	1
Molybdenum, Dissolved	**0.0039**	**J**	0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 18:05	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 18:05	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 18:05	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 18:05	1
Manganese, Dissolved	**0.022**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 18:05	1
Potassium, Dissolved	**8.5**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 18:05	1
Sodium, Dissolved	**43**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 18:05	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.64**		0.10	0.013	mg/L		01/13/26 14:55	01/14/26 19:44	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 14:55	01/14/26 19:44	1
Aluminum, Dissolved	**0.013**	**J**	0.040	0.0058	mg/L		01/13/26 14:55	01/14/26 19:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	ND		1.0	0.44	mg/L			01/14/26 02:26	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/07/26 18:48	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:42	1
Nitrate as N (SM4500 NO3 D)	**0.20**		0.20	0.070	mg/L			01/07/26 16:57	1

Client Sample ID: L601169-09 MW-17E
Lab Sample ID: 240-240994-9

Date Collected: 01/06/26 15:11
Matrix: Water
Date Received: 01/08/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**1.9**		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 19:58	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 18:07	1
Barium, Dissolved	**0.037**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 18:07	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 18:07	1
Calcium, Dissolved	**110**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 18:07	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 18:07	1
Cobalt, Dissolved	**0.00059**	**J**	0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 18:07	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 18:07	1
Lithium, Dissolved	**0.031**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 18:07	1
Magnesium, Dissolved	**22**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 18:07	1
Molybdenum, Dissolved	**0.018**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 18:07	1
Nickel, Dissolved	**0.0020**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 18:07	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 18:07	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 18:07	1
Manganese, Dissolved	**0.18**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 18:07	1
Potassium, Dissolved	**25**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 18:07	1
Sodium, Dissolved	**160**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 18:07	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.14**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 16:45	1
Zinc, Dissolved	**1.4**		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 16:45	1
Aluminum, Dissolved	**0.0066**	**J**	0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**11**		1.0	0.44	mg/L			01/14/26 02:49	1
Nitrite as N (SM 4500 NO2 B)	**0.0098**	**J**	0.10	0.0097	mg/L			01/07/26 18:49	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:44	1
Nitrate as N (SM4500 NO3 D)	**1.3**		0.20	0.070	mg/L			01/07/26 17:42	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-240994-1

Client Sample ID: L601169-10 MWT-17A

Date Collected: 01/06/26 09:57
Date Received: 01/08/26 08:00

Lab Sample ID: 240-240994-10

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**4.5**		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 20:14	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00083**	**J**	0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 18:10	1
Barium, Dissolved	**0.038**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 18:10	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 18:10	1
Calcium, Dissolved	**250**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 18:10	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 18:10	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 18:10	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 18:10	1
Lithium, Dissolved	**0.055**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 18:10	1
Magnesium, Dissolved	**71**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 18:10	1
Molybdenum, Dissolved	**0.027**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 18:10	1
Nickel, Dissolved	**0.013**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 18:10	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 18:10	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 18:10	1
Manganese, Dissolved	**0.13**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 18:10	1
Potassium, Dissolved	**2.6**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 18:10	1
Sodium, Dissolved	**54**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 18:10	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**6.0**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:04	1
Zinc, Dissolved	**0.035**		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:04	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**3.3**		1.0	0.44	mg/L			01/14/26 03:13	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/07/26 18:40	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:46	1
Nitrate as N (SM4500 NO3 D)	**0.84**		0.20	0.070	mg/L			01/07/26 15:17	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-240994-1

Client Sample ID: L601169-11 Field Blank

Date Collected: 01/06/26 08:30
Date Received: 01/08/26 08:00

Lab Sample ID: 240-240994-11

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	ND		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 20:17	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 18:13	1
Barium, Dissolved	ND		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 18:13	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 18:13	1
Calcium, Dissolved	ND		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 18:13	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 18:13	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 18:13	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 18:13	1
Lithium, Dissolved	ND		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 18:13	1
Magnesium, Dissolved	ND		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 18:13	1
Molybdenum, Dissolved	ND		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 18:13	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 18:13	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 18:13	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 18:13	1
Manganese, Dissolved	ND		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 18:13	1
Potassium, Dissolved	ND		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 18:13	1
Sodium, Dissolved	ND		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 18:13	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:07	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:07	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	ND		1.0	0.44	mg/L			01/14/26 03:36	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/07/26 18:49	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:48	1
Nitrate as N (SM4500 NO3 D)	ND		0.20	0.070	mg/L			01/07/26 18:08	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 350-12151/1-A
Matrix: Water
Analysis Batch: 12279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	ND		0.50	0.041	mg/L		01/13/26 13:19	01/20/26 14:28	1

Lab Sample ID: LCS 350-12151/2-A
Matrix: Water
Analysis Batch: 12279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	5.00	5.03		mg/L		101	85 - 115

Lab Sample ID: MB 350-12160/1-A
Matrix: Water
Analysis Batch: 12261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	ND		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 19:52	1

Lab Sample ID: LCS 350-12160/2-A
Matrix: Water
Analysis Batch: 12261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	5.00	5.28		mg/L		106	85 - 115

Lab Sample ID: 240-240994-9 MS
Matrix: Water
Analysis Batch: 12261

Client Sample ID: L601169-09 MW-17E
Prep Type: Dissolved
Prep Batch: 12160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	1.9		5.00	7.33		mg/L		109	70 - 130

Lab Sample ID: 240-240994-9 MSD
Matrix: Water
Analysis Batch: 12261

Client Sample ID: L601169-09 MW-17E
Prep Type: Dissolved
Prep Batch: 12160

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron, Dissolved	1.9		5.00	7.16		mg/L		105	70 - 130	2	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 350-12151/1-A
Matrix: Water
Analysis Batch: 12193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		01/13/26 13:19	01/14/26 18:12	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 13:19	01/14/26 18:12	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 13:19	01/14/26 18:12	1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 350-12151/2-A
Matrix: Water
Analysis Batch: 12193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	20.0	19.0		mg/L		95	85 - 115
Zinc, Dissolved	1.00	0.906		mg/L		91	85 - 115
Aluminum, Dissolved	20.0	18.9		mg/L		94	85 - 115

Lab Sample ID: MB 350-12160/1-A
Matrix: Water
Analysis Batch: 12193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 16:39	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 16:39	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 16:39	1

Lab Sample ID: LCS 350-12160/2-A
Matrix: Water
Analysis Batch: 12193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	20.0	19.3		mg/L		97	85 - 115
Zinc, Dissolved	1.00	0.940		mg/L		94	85 - 115
Aluminum, Dissolved	20.0	18.3		mg/L		92	85 - 115

Lab Sample ID: 240-240994-9 MS
Matrix: Water
Analysis Batch: 12193

Client Sample ID: L601169-09 MW-17E
Prep Type: Dissolved
Prep Batch: 12160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	0.14		20.0	19.7		mg/L		98	70 - 130
Zinc, Dissolved	1.4		1.00	2.32		mg/L		97	70 - 130
Aluminum, Dissolved	0.0066	J	20.0	18.9		mg/L		95	70 - 130

Lab Sample ID: 240-240994-9 MSD
Matrix: Water
Analysis Batch: 12193

Client Sample ID: L601169-09 MW-17E
Prep Type: Dissolved
Prep Batch: 12160

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron, Dissolved	0.14		20.0	19.9		mg/L		99	70 - 130	1	20
Zinc, Dissolved	1.4		1.00	2.30		mg/L		95	70 - 130	1	20
Aluminum, Dissolved	0.0066	J	20.0	18.8		mg/L		94	70 - 130	0	20

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: MB 240-687123/1-A
Matrix: Water
Analysis Batch: 687293

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 687123

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 17:09	1
Barium, Dissolved	ND		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 17:09	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 17:09	1

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-687123/1-A
Matrix: Water
Analysis Batch: 687293

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 687123

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium, Dissolved	ND		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 17:09	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 17:09	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 17:09	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 17:09	1
Lithium, Dissolved	ND		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 17:09	1
Magnesium, Dissolved	ND		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 17:09	1
Molybdenum, Dissolved	ND		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 17:09	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 17:09	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 17:09	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 17:09	1
Manganese, Dissolved	ND		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 17:09	1
Potassium, Dissolved	ND		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 17:09	1
Sodium, Dissolved	ND		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 17:09	1

Lab Sample ID: LCS 240-687123/2-A
Matrix: Water
Analysis Batch: 687293

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 687123

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	1.00	0.992		mg/L		99	85 - 115
Barium, Dissolved	1.00	0.960		mg/L		96	85 - 115
Cadmium, Dissolved	0.500	0.491		mg/L		98	85 - 115
Calcium, Dissolved	25.0	25.0		mg/L		100	85 - 115
Chromium, Dissolved	0.500	0.497		mg/L		99	85 - 115
Cobalt, Dissolved	0.500	0.496		mg/L		99	85 - 115
Copper, Dissolved	0.500	0.493		mg/L		99	85 - 115
Lithium, Dissolved	0.500	0.502		mg/L		100	85 - 115
Magnesium, Dissolved	25.0	25.2		mg/L		101	85 - 115
Molybdenum, Dissolved	0.500	0.488		mg/L		98	85 - 115
Nickel, Dissolved	0.500	0.497		mg/L		99	85 - 115
Selenium, Dissolved	1.00	0.988		mg/L		99	85 - 115
Vanadium, Dissolved	0.500	0.495		mg/L		99	85 - 115
Manganese, Dissolved	0.500	0.493		mg/L		99	85 - 115
Potassium, Dissolved	25.0	25.6		mg/L		102	85 - 115
Sodium, Dissolved	25.0	25.3		mg/L		101	85 - 115

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav

Lab Sample ID: MB 240-687490/38
Matrix: Water
Analysis Batch: 687490

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.44	mg/L			01/14/26 06:19	1

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav (Continued)

Lab Sample ID: MB 240-687490/5
Matrix: Water
Analysis Batch: 687490

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.44	mg/L			01/13/26 17:38	1

Lab Sample ID: LCS 240-687490/21
Matrix: Water
Analysis Batch: 687490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	27.0		mg/L		95	85 - 115
TOC Result 1	28.4	27.4		mg/L		97	85 - 115
TOC Result 2	28.4	26.8		mg/L		94	85 - 115

Lab Sample ID: LCS 240-687490/39
Matrix: Water
Analysis Batch: 687490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	26.9		mg/L		95	85 - 115
TOC Result 1	28.4	27.1		mg/L		95	85 - 115
TOC Result 2	28.4	26.3		mg/L		92	85 - 115

Lab Sample ID: LCS 240-687490/6
Matrix: Water
Analysis Batch: 687490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	27.2		mg/L		96	85 - 115
TOC Result 1	28.4	27.7		mg/L		98	85 - 115
TOC Result 2	28.4	26.4		mg/L		93	85 - 115

Lab Sample ID: 240-240994-4 MS
Matrix: Water
Analysis Batch: 687490

Client Sample ID: L601169-04 MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	14		50.0	61.3		mg/L		94	76 - 124
TOC Result 1	14		50.0	61.2		mg/L		94	76 - 124
TOC Result 2	14		50.0	60.7		mg/L		94	76 - 124

Lab Sample ID: 240-240994-4 MSD
Matrix: Water
Analysis Batch: 687490

Client Sample ID: L601169-04 MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	14		50.0	60.3		mg/L		93	76 - 124	2	10
TOC Result 1	14		50.0	60.4		mg/L		93	76 - 124	1	10
TOC Result 2	14		50.0	60.0		mg/L		92	76 - 124	1	10

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav (Continued)

Lab Sample ID: 240-240994-6 MS
Matrix: Water
Analysis Batch: 687490

Client Sample ID: L601169-06 MW-17B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon	9.8		50.0	57.1		mg/L		95	76 - 124		
TOC Result 1	9.5		50.0	57.6		mg/L		96	76 - 124		
TOC Result 2	9.7		50.0	56.2		mg/L		93	76 - 124		

Lab Sample ID: 240-240994-6 MSD
Matrix: Water
Analysis Batch: 687490

Client Sample ID: L601169-06 MW-17B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	9.8		50.0	55.9		mg/L		92	76 - 124	2	10
TOC Result 1	9.5		50.0	55.9		mg/L		93	76 - 124	3	10
TOC Result 2	9.7		50.0	54.3		mg/L		89	76 - 124	3	10

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 190-13131/4
Matrix: Water
Analysis Batch: 13131

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.0097	mg/L			01/07/26 18:37	1

Lab Sample ID: LCS 190-13131/3
Matrix: Water
Analysis Batch: 13131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N			0.250	0.243		mg/L		97	90 - 110		

Lab Sample ID: 240-240994-6 MS
Matrix: Water
Analysis Batch: 13131

Client Sample ID: L601169-06 MW-17B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	ND		0.250	0.235		mg/L		94	75 - 125		

Lab Sample ID: 240-240994-6 MSD
Matrix: Water
Analysis Batch: 13131

Client Sample ID: L601169-06 MW-17B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND		0.250	0.241		mg/L		96	75 - 125	3	20

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 570-685370/6
Matrix: Water
Analysis Batch: 685370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Sulfide	ND		0.050	0.028	mg/L			01/21/26 19:08	1

Lab Sample ID: LCS 570-685370/8
Matrix: Water
Analysis Batch: 685370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Sulfide	0.498	0.525		mg/L		105	70 - 130

Lab Sample ID: LCSD 570-685370/10
Matrix: Water
Analysis Batch: 685370

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Sulfide	0.498	0.485		mg/L		97	70 - 130	8	8

Lab Sample ID: MRL 570-685370/4
Matrix: Water
Analysis Batch: 685370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Sulfide	0.0498	0.0659		mg/L		132	50 - 150

Method: SM4500 NO3 D - Nitrogen, Nitrate

Lab Sample ID: MB 190-13132/3
Matrix: Water
Analysis Batch: 13132

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.070	mg/L			01/07/26 14:20	1

Lab Sample ID: LCS 190-13132/4
Matrix: Water
Analysis Batch: 13132

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	10.0	9.37		mg/L		94	90 - 110

Lab Sample ID: 240-240994-1 MS
Matrix: Water
Analysis Batch: 13132

Client Sample ID: L601169-01 MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	1.2		10.0	9.95		mg/L		88	75 - 125

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-240994-1

Method: SM4500 NO3 D - Nitrogen, Nitrate (Continued)

Lab Sample ID: 240-240994-1 MSD
Matrix: Water
Analysis Batch: 13132

Client Sample ID: L601169-01 MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	1.2		10.0	9.99		mg/L		88	75 - 125	0	20

Metals

Prep Batch: 12151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-240994-1	L601169-01 MW-2	Dissolved	Water	200.7	
240-240994-2	L601169--02 MW-3	Dissolved	Water	200.7	
240-240994-3	L601169-03 MW-7	Dissolved	Water	200.7	
240-240994-4	L601169-04 MW-14	Dissolved	Water	200.7	
240-240994-5	L601169-05 MW-17A	Dissolved	Water	200.7	
240-240994-6	L601169-06 MW-17B	Dissolved	Water	200.7	
240-240994-7	L601169-07 MW-17C	Dissolved	Water	200.7	
240-240994-8	L601169-08 MW-17D	Dissolved	Water	200.7	
MB 350-12151/1-A	Method Blank	Total/NA	Water	200.7	
LCS 350-12151/2-A	Lab Control Sample	Total/NA	Water	200.7	

Prep Batch: 12160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-240994-9	L601169-09 MW-17E	Dissolved	Water	200.7	
240-240994-10	L601169-10 MWT-17A	Dissolved	Water	200.7	
240-240994-11	L601169-11 Field Blank	Dissolved	Water	200.7	
MB 350-12160/1-A	Method Blank	Total/NA	Water	200.7	
LCS 350-12160/2-A	Lab Control Sample	Total/NA	Water	200.7	
240-240994-9 MS	L601169-09 MW-17E	Dissolved	Water	200.7	
240-240994-9 MSD	L601169-09 MW-17E	Dissolved	Water	200.7	

Analysis Batch: 12193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-240994-1	L601169-01 MW-2	Dissolved	Water	200.8	12151
240-240994-2	L601169--02 MW-3	Dissolved	Water	200.8	12151
240-240994-3	L601169-03 MW-7	Dissolved	Water	200.8	12151
240-240994-4	L601169-04 MW-14	Dissolved	Water	200.8	12151
240-240994-4	L601169-04 MW-14	Dissolved	Water	200.8	12151
240-240994-5	L601169-05 MW-17A	Dissolved	Water	200.8	12151
240-240994-6	L601169-06 MW-17B	Dissolved	Water	200.8	12151
240-240994-7	L601169-07 MW-17C	Dissolved	Water	200.8	12151
240-240994-7	L601169-07 MW-17C	Dissolved	Water	200.8	12151
240-240994-8	L601169-08 MW-17D	Dissolved	Water	200.8	12151
240-240994-9	L601169-09 MW-17E	Dissolved	Water	200.8	12160
240-240994-10	L601169-10 MWT-17A	Dissolved	Water	200.8	12160
240-240994-11	L601169-11 Field Blank	Dissolved	Water	200.8	12160
MB 350-12151/1-A	Method Blank	Total/NA	Water	200.8	12151
MB 350-12160/1-A	Method Blank	Total/NA	Water	200.8	12160
LCS 350-12151/2-A	Lab Control Sample	Total/NA	Water	200.8	12151
LCS 350-12160/2-A	Lab Control Sample	Total/NA	Water	200.8	12160
240-240994-9 MS	L601169-09 MW-17E	Dissolved	Water	200.8	12160
240-240994-9 MSD	L601169-09 MW-17E	Dissolved	Water	200.8	12160

Analysis Batch: 12261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-240994-9	L601169-09 MW-17E	Dissolved	Water	200.7 Rev 4.4	12160
240-240994-10	L601169-10 MWT-17A	Dissolved	Water	200.7 Rev 4.4	12160
240-240994-11	L601169-11 Field Blank	Dissolved	Water	200.7 Rev 4.4	12160
MB 350-12160/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	12160
LCS 350-12160/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	12160
240-240994-9 MS	L601169-09 MW-17E	Dissolved	Water	200.7 Rev 4.4	12160

Metals (Continued)

Analysis Batch: 12261 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-240994-9 MSD	L601169-09 MW-17E	Dissolved	Water	200.7 Rev 4.4	12160

Analysis Batch: 12279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-240994-1	L601169-01 MW-2	Dissolved	Water	200.7 Rev 4.4	12151
240-240994-2	L601169--02 MW-3	Dissolved	Water	200.7 Rev 4.4	12151
240-240994-3	L601169-03 MW-7	Dissolved	Water	200.7 Rev 4.4	12151
240-240994-4	L601169-04 MW-14	Dissolved	Water	200.7 Rev 4.4	12151
240-240994-5	L601169-05 MW-17A	Dissolved	Water	200.7 Rev 4.4	12151
240-240994-6	L601169-06 MW-17B	Dissolved	Water	200.7 Rev 4.4	12151
240-240994-7	L601169-07 MW-17C	Dissolved	Water	200.7 Rev 4.4	12151
240-240994-8	L601169-08 MW-17D	Dissolved	Water	200.7 Rev 4.4	12151
MB 350-12151/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	12151
LCS 350-12151/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	12151

Prep Batch: 687123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-240994-1	L601169-01 MW-2	Dissolved	Water	200.8-1994 R5.4	
240-240994-2	L601169--02 MW-3	Dissolved	Water	200.8-1994 R5.4	
240-240994-3	L601169-03 MW-7	Dissolved	Water	200.8-1994 R5.4	
240-240994-4	L601169-04 MW-14	Dissolved	Water	200.8-1994 R5.4	
240-240994-5	L601169-05 MW-17A	Dissolved	Water	200.8-1994 R5.4	
240-240994-6	L601169-06 MW-17B	Dissolved	Water	200.8-1994 R5.4	
240-240994-7	L601169-07 MW-17C	Dissolved	Water	200.8-1994 R5.4	
240-240994-8	L601169-08 MW-17D	Dissolved	Water	200.8-1994 R5.4	
240-240994-9	L601169-09 MW-17E	Dissolved	Water	200.8-1994 R5.4	
240-240994-10	L601169-10 MWT-17A	Dissolved	Water	200.8-1994 R5.4	
240-240994-11	L601169-11 Field Blank	Dissolved	Water	200.8-1994 R5.4	
MB 240-687123/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-687123/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	

Analysis Batch: 687293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-240994-1	L601169-01 MW-2	Dissolved	Water	200.8-1994 R5.4	687123
240-240994-2	L601169--02 MW-3	Dissolved	Water	200.8-1994 R5.4	687123
240-240994-3	L601169-03 MW-7	Dissolved	Water	200.8-1994 R5.4	687123
240-240994-4	L601169-04 MW-14	Dissolved	Water	200.8-1994 R5.4	687123
240-240994-5	L601169-05 MW-17A	Dissolved	Water	200.8-1994 R5.4	687123
240-240994-6	L601169-06 MW-17B	Dissolved	Water	200.8-1994 R5.4	687123
240-240994-7	L601169-07 MW-17C	Dissolved	Water	200.8-1994 R5.4	687123
240-240994-8	L601169-08 MW-17D	Dissolved	Water	200.8-1994 R5.4	687123
240-240994-9	L601169-09 MW-17E	Dissolved	Water	200.8-1994 R5.4	687123
240-240994-10	L601169-10 MWT-17A	Dissolved	Water	200.8-1994 R5.4	687123
240-240994-11	L601169-11 Field Blank	Dissolved	Water	200.8-1994 R5.4	687123
MB 240-687123/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	687123
LCS 240-687123/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	687123

General Chemistry

Analysis Batch: 13131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-240994-1	L601169-01 MW-2	Total/NA	Water	SM 4500 NO2 B	
240-240994-2	L601169--02 MW-3	Total/NA	Water	SM 4500 NO2 B	
240-240994-3	L601169-03 MW-7	Total/NA	Water	SM 4500 NO2 B	
240-240994-4	L601169-04 MW-14	Total/NA	Water	SM 4500 NO2 B	
240-240994-5	L601169-05 MW-17A	Total/NA	Water	SM 4500 NO2 B	
240-240994-6	L601169-06 MW-17B	Total/NA	Water	SM 4500 NO2 B	
240-240994-7	L601169-07 MW-17C	Total/NA	Water	SM 4500 NO2 B	
240-240994-8	L601169-08 MW-17D	Total/NA	Water	SM 4500 NO2 B	
240-240994-9	L601169-09 MW-17E	Total/NA	Water	SM 4500 NO2 B	
240-240994-10	L601169-10 MWT-17A	Total/NA	Water	SM 4500 NO2 B	
240-240994-11	L601169-11 Field Blank	Total/NA	Water	SM 4500 NO2 B	
MB 190-13131/4	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 190-13131/3	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
240-240994-6 MS	L601169-06 MW-17B	Total/NA	Water	SM 4500 NO2 B	
240-240994-6 MSD	L601169-06 MW-17B	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 13132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-240994-1	L601169-01 MW-2	Total/NA	Water	SM4500 NO3 D	
240-240994-2	L601169--02 MW-3	Total/NA	Water	SM4500 NO3 D	
240-240994-3	L601169-03 MW-7	Total/NA	Water	SM4500 NO3 D	
240-240994-4	L601169-04 MW-14	Total/NA	Water	SM4500 NO3 D	
240-240994-5	L601169-05 MW-17A	Total/NA	Water	SM4500 NO3 D	
240-240994-6	L601169-06 MW-17B	Total/NA	Water	SM4500 NO3 D	
240-240994-7	L601169-07 MW-17C	Total/NA	Water	SM4500 NO3 D	
240-240994-8	L601169-08 MW-17D	Total/NA	Water	SM4500 NO3 D	
240-240994-9	L601169-09 MW-17E	Total/NA	Water	SM4500 NO3 D	
240-240994-10	L601169-10 MWT-17A	Total/NA	Water	SM4500 NO3 D	
240-240994-11	L601169-11 Field Blank	Total/NA	Water	SM4500 NO3 D	
MB 190-13132/3	Method Blank	Total/NA	Water	SM4500 NO3 D	
LCS 190-13132/4	Lab Control Sample	Total/NA	Water	SM4500 NO3 D	
240-240994-1 MS	L601169-01 MW-2	Total/NA	Water	SM4500 NO3 D	
240-240994-1 MSD	L601169-01 MW-2	Total/NA	Water	SM4500 NO3 D	

Analysis Batch: 685370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-240994-1	L601169-01 MW-2	Total/NA	Water	SM 4500 S2 D	
240-240994-2	L601169--02 MW-3	Total/NA	Water	SM 4500 S2 D	
240-240994-3	L601169-03 MW-7	Total/NA	Water	SM 4500 S2 D	
240-240994-4	L601169-04 MW-14	Total/NA	Water	SM 4500 S2 D	
240-240994-5	L601169-05 MW-17A	Total/NA	Water	SM 4500 S2 D	
240-240994-6	L601169-06 MW-17B	Total/NA	Water	SM 4500 S2 D	
240-240994-7	L601169-07 MW-17C	Total/NA	Water	SM 4500 S2 D	
240-240994-8	L601169-08 MW-17D	Total/NA	Water	SM 4500 S2 D	
240-240994-9	L601169-09 MW-17E	Total/NA	Water	SM 4500 S2 D	
240-240994-10	L601169-10 MWT-17A	Total/NA	Water	SM 4500 S2 D	
240-240994-11	L601169-11 Field Blank	Total/NA	Water	SM 4500 S2 D	
MB 570-685370/6	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 570-685370/8	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 570-685370/10	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 570-685370/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	

QC Association Summary

Client: Lansing Board of Water & Light
Job ID: 240-240994-1
Project/Site: Erickson Project - MNA Tier II Geochem

General Chemistry

Analysis Batch: 687490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-240994-1	L601169-01 MW-2	Total/NA	Water	5310 C-2014	
240-240994-2	L601169--02 MW-3	Total/NA	Water	5310 C-2014	
240-240994-3	L601169-03 MW-7	Total/NA	Water	5310 C-2014	
240-240994-4	L601169-04 MW-14	Total/NA	Water	5310 C-2014	
240-240994-5	L601169-05 MW-17A	Total/NA	Water	5310 C-2014	
240-240994-6	L601169-06 MW-17B	Total/NA	Water	5310 C-2014	
240-240994-7	L601169-07 MW-17C	Total/NA	Water	5310 C-2014	
240-240994-8	L601169-08 MW-17D	Total/NA	Water	5310 C-2014	
240-240994-9	L601169-09 MW-17E	Total/NA	Water	5310 C-2014	
240-240994-10	L601169-10 MWT-17A	Total/NA	Water	5310 C-2014	
240-240994-11	L601169-11 Field Blank	Total/NA	Water	5310 C-2014	
MB 240-687490/38	Method Blank	Total/NA	Water	5310 C-2014	
MB 240-687490/5	Method Blank	Total/NA	Water	5310 C-2014	
LCS 240-687490/21	Lab Control Sample	Total/NA	Water	5310 C-2014	
LCS 240-687490/39	Lab Control Sample	Total/NA	Water	5310 C-2014	
LCS 240-687490/6	Lab Control Sample	Total/NA	Water	5310 C-2014	
240-240994-4 MS	L601169-04 MW-14	Total/NA	Water	5310 C-2014	
240-240994-4 MSD	L601169-04 MW-14	Total/NA	Water	5310 C-2014	
240-240994-6 MS	L601169-06 MW-17B	Total/NA	Water	5310 C-2014	
240-240994-6 MSD	L601169-06 MW-17B	Total/NA	Water	5310 C-2014	

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-240994-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601169-01 MW-2
Lab Sample ID: 240-240994-1
Date Collected: 01/06/26 14:00
Matrix: Water
Date Received: 01/08/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.7 Rev 4.4		1	12279	JLS	EET SSM	01/20/26 14:58
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 19:13
Dissolved	Prep	200.8-1994 R5.4			687123	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 17:39
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/13/26 22:14
Total/NA	Analysis	SM 4500 NO2 B		1	13131	JED	EET MI	01/07/26 18:38
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:26
Total/NA	Analysis	SM4500 NO3 D		1	13132	JED	EET MI	01/07/26 17:07

Client Sample ID: L601169--02 MW-3
Lab Sample ID: 240-240994-2
Date Collected: 01/06/26 11:35
Matrix: Water
Date Received: 01/08/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.7 Rev 4.4		1	12279	JLS	EET SSM	01/20/26 15:02
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 19:15
Dissolved	Prep	200.8-1994 R5.4			687123	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 17:42
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/13/26 22:37
Total/NA	Analysis	SM 4500 NO2 B		1	13131	JED	EET MI	01/07/26 18:38
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:28
Total/NA	Analysis	SM4500 NO3 D		1	13132	JED	EET MI	01/07/26 16:30

Client Sample ID: L601169-03 MW-7
Lab Sample ID: 240-240994-3
Date Collected: 01/06/26 16:10
Matrix: Water
Date Received: 01/08/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.7 Rev 4.4		1	12279	JLS	EET SSM	01/20/26 15:05
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 19:18
Dissolved	Prep	200.8-1994 R5.4			687123	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 17:45
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/13/26 22:59
Total/NA	Analysis	SM 4500 NO2 B		1	13131	JED	EET MI	01/07/26 18:38
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:30
Total/NA	Analysis	SM4500 NO3 D		1	13132	JED	EET MI	01/07/26 15:33

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-240994-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601169-04 MW-14
Lab Sample ID: 240-240994-4
Date Collected: 01/06/26 09:30
Matrix: Water
Date Received: 01/08/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.7 Rev 4.4		1	12279	JLS	EET SSM	01/20/26 15:08
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 19:21
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.8		5	12193	JL	EET SSM	01/14/26 19:24
Dissolved	Prep	200.8-1994 R5.4			687123	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 17:48
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 00:07
Total/NA	Analysis	SM 4500 NO2 B		1	13131	JED	EET MI	01/07/26 18:39
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:32
Total/NA	Analysis	SM4500 NO3 D		1	13132	JED	EET MI	01/07/26 15:03

Client Sample ID: L601169-05 MW-17A
Lab Sample ID: 240-240994-5
Date Collected: 01/06/26 09:57
Matrix: Water
Date Received: 01/08/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.7 Rev 4.4		1	12279	JLS	EET SSM	01/20/26 15:12
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 19:27
Dissolved	Prep	200.8-1994 R5.4			687123	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 17:51
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/13/26 23:22
Total/NA	Analysis	SM 4500 NO2 B		1	13131	JED	EET MI	01/07/26 18:39
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:34
Total/NA	Analysis	SM4500 NO3 D		1	13132	JED	EET MI	01/07/26 15:09

Client Sample ID: L601169-06 MW-17B
Lab Sample ID: 240-240994-6
Date Collected: 01/06/26 11:33
Matrix: Water
Date Received: 01/08/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.7 Rev 4.4		1	12279	JLS	EET SSM	01/20/26 15:15
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 19:35
Dissolved	Prep	200.8-1994 R5.4			687123	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 17:59
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 07:04
Total/NA	Analysis	SM 4500 NO2 B		1	13131	JED	EET MI	01/07/26 18:40
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:36
Total/NA	Analysis	SM4500 NO3 D		1	13132	JED	EET MI	01/07/26 15:27

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-240994-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601169-07 MW-17C
Lab Sample ID: 240-240994-7
Date Collected: 01/06/26 12:40
Matrix: Water
Date Received: 01/08/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.7 Rev 4.4		1	12279	JLS	EET SSM	01/20/26 15:18
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 19:38
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.8		5	12193	JL	EET SSM	01/14/26 19:41
Dissolved	Prep	200.8-1994 R5.4			687123	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 18:02
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 01:14
Total/NA	Analysis	SM 4500 NO2 B		1	13131	JED	EET MI	01/07/26 18:47
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:40
Total/NA	Analysis	SM4500 NO3 D		1	13132	JED	EET MI	01/07/26 15:48

Client Sample ID: L601169-08 MW-17D
Lab Sample ID: 240-240994-8
Date Collected: 01/06/26 13:54
Matrix: Water
Date Received: 01/08/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.7 Rev 4.4		1	12279	JLS	EET SSM	01/20/26 15:22
Dissolved	Prep	200.7			12151		EET SSM	01/13/26 14:55
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 19:44
Dissolved	Prep	200.8-1994 R5.4			687123	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 18:05
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 02:26
Total/NA	Analysis	SM 4500 NO2 B		1	13131	JED	EET MI	01/07/26 18:48
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:42
Total/NA	Analysis	SM4500 NO3 D		1	13132	JED	EET MI	01/07/26 16:57

Client Sample ID: L601169-09 MW-17E
Lab Sample ID: 240-240994-9
Date Collected: 01/06/26 15:11
Matrix: Water
Date Received: 01/08/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 19:58
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 16:45
Dissolved	Prep	200.8-1994 R5.4			687123	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 18:07
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 02:49
Total/NA	Analysis	SM 4500 NO2 B		1	13131	JED	EET MI	01/07/26 18:49
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:44
Total/NA	Analysis	SM4500 NO3 D		1	13132	JED	EET MI	01/07/26 17:42

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-240994-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601169-10 MWT-17A
Lab Sample ID: 240-240994-10
Date Collected: 01/06/26 09:57
Matrix: Water
Date Received: 01/08/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 20:14
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:04
Dissolved	Prep	200.8-1994 R5.4			687123	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 18:10
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 03:13
Total/NA	Analysis	SM 4500 NO2 B		1	13131	JED	EET MI	01/07/26 18:40
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:46
Total/NA	Analysis	SM4500 NO3 D		1	13132	JED	EET MI	01/07/26 15:17

Client Sample ID: L601169-11 Field Blank
Lab Sample ID: 240-240994-11
Date Collected: 01/06/26 08:30
Matrix: Water
Date Received: 01/08/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 20:17
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:07
Dissolved	Prep	200.8-1994 R5.4			687123	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 18:13
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 03:36
Total/NA	Analysis	SM 4500 NO2 B		1	13131	JED	EET MI	01/07/26 18:49
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:48
Total/NA	Analysis	SM4500 NO3 D		1	13132	JED	EET MI	01/07/26 18:08

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396
EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763
EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Job ID: 240-240994-1
Project/Site: Erickson Project - MNA Tier II Geochem

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-26

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26
California	State	3082	03-04-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	02-24-26
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	03-24-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	02-11-26

Laboratory: Eurofins Michigan

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Michigan	State	9180	08-07-28

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
Arizona	State	AZ0854	01-13-27
California	State	2954	07-07-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	06-30-26
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	02-19-26
Oregon	NELAP	4167	03-01-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-25-24-59583A1	01-24-28
Washington	State	C788	07-13-26
Wisconsin	State	399133460	08-31-26

Chain of Custody

Return Samples to: Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Purchase Order not required

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
All samples for dissolved metals were filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Project - MNA Tier II Geochem

Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM4500_NO3_D Nitrate [190]	5310C TOC [240]	SM4500_S2_D Total Sulfide [ROU]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	SM4500_NO2_B Nitrite [190]	Plastic 250ml - with Zinc Acetate & NaOH	Plastic 500ml - w/ Nitric - Dis.	Plastic 500ml - unpreserved	Plastic 250ml - unpreserved	Voa Vial 40ml - with Sulfuric Acid	Total Bottles For Sample
1	L601169-01 MW-2	Grab	Water	01/06/26 14:00				X	X	X	X	X	1	1	1	1	3	7
2	L601169-02 MW-3	Grab	Water	01/06/26 11:35				X	X	X	X	X	1	1	1	1	3	7
3	L601169-03 MW-7	Grab	Water	01/06/26 16:10				X	X	X	X	X	1	1	1	1	3	7
4	L601169-04 MW-14	Grab	Water	01/06/26 09:30				X	X	X	X	X	1	1	1	1	3	7
5	L601169-05 MW-17A	Grab	Water	01/06/26 09:57				X	X	X	X	X	1	1	1	1	3	7
6	L601169-06 MW-17B	Grab	Water	01/06/26 11:33				X	X	X	X	X	1	1	1	1	3	7
7	L601169-07 MW-17C	Grab	Water	01/06/26 12:40				X	X	X	X	X	1	1	1	1	3	7
8	L601169-08 MW-17D	Grab	Water	01/06/26 13:54				X	X	X	X	X	1	1	1	1	3	7
9	L601169-09 MW-17E	Grab	Water	01/06/26 15:11				X	X	X	X	X	1	1	1	1	3	7
10	L601169-10 MWT-17A	Grab	Water	01/06/26 09:57				X	X	X	X	X	1	1	1	1	3	7
11	L601169-11 Field Blank	Grab	Water	01/06/26 08:30				X	X	X	X	X	1	1	1	1	3	7

Chain of Custody Number: **433338**

*H -- Analysis on hold.

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) **:** Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished To:	Date/Time:		
		Cleveland - Waypoint courier			
Jennifer Caporale	01/07/26 09:22	Jennifer Caporale	01/07/26 09:22		

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260107A001								
MIC20260107A001								

Chain of Custody

Return Samples to: Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Project Manager:
Howell, Leslie

Purchase Order:
Purchase Order not required

Project Reference:

Work Order:

Sampler:
Marc Wahrer and Franklin Davis Ray

Requested TAT:

Description:
Erickson Project - MNA Tier II Geochem

Project Number:
24034575

Site Name:
Erickson Projects

Sample State: MI

Special Instructions:
All samples for dissolved metals were filtered in field.

Out spec M
RW2
M62
Out Cal Sc

240-240994 COC

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM4500_NO3_D Nitrate [190]	5310C TOC [240]	SM4500_S2_D Total Sulfide [ROU]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	SM4500_NO2_B Nitrite [190]	Plastic 250ml - with Zinc Acetate & NaOH	Plastic 500ml - w/ Nitric - Dis.	Plastic 500ml - unpreserved	Plastic 250ml - unpreserved	Voa Vial 40ml - with Sulfuric Acid	Total Bottles For Sample
1	L601169-01 MW-2	Grab	Water	01/06/26 14:00				X	X	X	X	X	1	1	1	1	3	7
2	L601169-02 MW-3	Grab	Water	01/06/26 11:35				X	X	X	X	X	1	1	1	1	3	7
3	L601169-03 MW-7	Grab	Water	01/06/26 15:10				X	X	X	X	X	1	1	1	1	3	7
4	L601169-04 MW-14	Grab	Water	01/06/26 09:30				X	X	X	X	X	1	1	1	1	3	7
5	L601169-05 MW-17A	Grab	Water	01/06/26 09:57				X	X	X	X	X	1	1	1	1	3	7
6	L601169-06 MW-17B	Grab	Water	01/06/26 11:33				X	X	X	X	X	1	1	1	1	3	7
7	L601169-07 MW-17C	Grab	Water	01/06/26 12:40				X	X	X	X	X	1	1	1	1	3	7
8	L601169-08 MW-17D	Grab	Water	01/06/26 13:54				X	X	X	X	X	1	1	1	1	3	7
9	L601169-09 MW-17E	Grab	Water	01/06/26 15:11				X	X	X	X	X	1	1	1	1	3	7
10	L601169-10 MWT-17A	Grab	Water	01/06/26 09:57				X	X	X	X	X	1	1	1	1	3	7
11	L601169-11 Field Blank	Grab	Water	01/06/26 08:30				X	X	X	X	X	1	1	1	1	3	7

Chain of Custody Number: **433338**

*H -- Analysis on hold.

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By	Date/Time:	Samples Relinquished To:	Date/Time:		
		Cleveland - Waypoint courier			
Jennifer Caporale	01/07/26 09:22	Jennifer Caporale	01/07/26 09:22	RwSG EC	1/8/26 0800

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260107A001								
MIC20260107A001								

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client Lansing Board Site Name _____ Cooler unpacked by: S

Cooler Received on 1/8/26 Opened on 1/10/26

FedEx 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # _____ (CF ____.____ °C) Observed Cooler Temp ____.____ °C Corrected Cooler Temp ____.____ °C

2.	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes No
	-Were the seals on the outside of the cooler(s) signed & dated?	Yes No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes No
	-Were tamper/custody seals intact and uncompromised?	Yes No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes No
4	Did custody papers accompany the sample(s)? ECOC	Yes No
5	Were the custody papers relinquished & signed in the appropriate place?	Yes No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	Yes No
7	Did all bottles arrive in good condition (Unbroken)?	Yes No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	Yes No
11	Sufficient quantity received to perform indicated analyses?	Yes No
12	Are these work share samples and all listed on the COC?	Yes No
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA pH Strip Lot# HC567196
14	Were VOAs on the COC?	Yes No
15	Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this	Yes No NA
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes No
17	Was a LL Hg or Me Hg trip blank present? _____	Yes No

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by

Labels Verified by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s). _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: V7	3.2	3.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: V7	0.8	1.5	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	

1/10/2026

Login Container Summary Report

240-240994

4/7/2026 (Rev. 1)

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L601169-01 MW-2	240-240994-A-1	Plastic 250ml - unpreserved				
L601169-01 MW-2	240-240994-B-1	Voa Vial 40ml - with Sulfuric Acid				
L601169-01 MW-2	240-240994-C-1	Voa Vial 40ml - with Sulfuric Acid				
L601169-01 MW-2	240-240994-D-1	Voa Vial 40ml - with Sulfuric Acid				
L601169-01 MW-2	240-240994-E-1	Plastic 500ml - with Zn Acetate	>9			
L601169-01 MW-2	240-240994-F-1	Plastic 500ml - w/ Nitric - Dis.	<2			
L601169-01 MW-2	240-240994-G-1	Plastic 250ml - w/nitric - dis	<2			
L601169-01 MW-2	240-240994-H-1	Plastic 500ml - unpreserved				
L601169--02 MW-3	240-240994-A-2	Plastic 250ml - unpreserved				
L601169--02 MW-3	240-240994-B-2	Voa Vial 40ml - with Sulfuric Acid				
L601169--02 MW-3	240-240994-C-2	Voa Vial 40ml - with Sulfuric Acid				
L601169--02 MW-3	240-240994-D-2	Voa Vial 40ml - with Sulfuric Acid				
L601169--02 MW-3	240-240994-E-2	Plastic 500ml - with Zn Acetate	>9			
L601169--02 MW-3	240-240994-F-2	Plastic 500ml - w/ Nitric - Dis	<2			
L601169--02 MW-3	240-240994-G-2	Plastic 250ml - w/nitric - dis	<2			
L601169--02 MW-3	240-240994-H-2	Plastic 500ml - unpreserved				
L601169-03 MW-7	240-240994-A-3	Plastic 250ml - unpreserved				
L601169-03 MW-7	240-240994-B-3	Voa Vial 40ml - with Sulfuric Acid				
L601169-03 MW-7	240-240994-C-3	Voa Vial 40ml - with Sulfuric Acid				
L601169-03 MW-7	240-240994-D-3	Voa Vial 40ml - with Sulfuric Acid				
L601169-03 MW-7	240-240994-E-3	Plastic 500ml - with Zn Acetate	>9			
L601169-03 MW-7	240-240994-F-3	Plastic 500ml - w/ Nitric - Dis	<2			
L601169-03 MW-7	240-240994-G-3	Plastic 250ml - w/nitric - dis	<2			
L601169-03 MW-7	240-240994-H-3	Plastic 500ml - unpreserved				
L601169-04 MW-14	240-240994-A-4	Plastic 250ml - unpreserved				
L601169-04 MW-14	240-240994-B-4	Voa Vial 40ml - with Sulfuric Acid				
L601169-04 MW-14	240-240994-C-4	Voa Vial 40ml - with Sulfuric Acid				
L601169-04 MW-14	240-240994-D-4	Voa Vial 40ml - with Sulfuric Acid				
L601169-04 MW-14	240-240994-E-4	Plastic 500ml - with Zn Acetate	>9			
L601169-04 MW-14	240-240994-F-4	Plastic 500ml - w/ Nitric - Dis.	<2			
L601169-04 MW-14	240-240994-G-4	Plastic 250ml - w/nitric - dis	<2			
L601169-04 MW-14	240-240994-H-4	Plastic 500ml - unpreserved				
L601169-05 MW-17A	240-240994-A-5	Plastic 250ml - unpreserved				
L601169-05 MW-17A	240-240994-B-5	Voa Vial 40ml - with Sulfuric Acid				
L601169-05 MW-17A	240-240994-C-5	Voa Vial 40ml - with Sulfuric Acid				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L601169-05 MW-17A	240-240994-D-5	Voa Vial 40ml - with Sulfuric Acid				
L601169-05 MW-17A	240-240994-E-5	Plastic 500ml - with Zn Acetate	>9			
L601169-05 MW-17A	240-240994-F-5	Plastic 500ml - w/ Nitric - Dis.	<2			
L601169-05 MW-17A	240-240994-G-5	Plastic 250ml - w/nitric - dis	<2			
L601169-05 MW-17A	240-240994-H-5	Plastic 500ml - unpreserved				
L601169-06 MW-17B	240-240994-A-6	Plastic 250ml - unpreserved				
L601169-06 MW-17B	240-240994-B-6	Voa Vial 40ml - with Sulfuric Acid				
L601169-06 MW-17B	240-240994-C-6	Voa Vial 40ml - with Sulfuric Acid				
L601169-06 MW-17B	240-240994-D-6	Voa Vial 40ml - with Sulfuric Acid				
L601169-06 MW-17B	240-240994-E-6	Plastic 500ml - with Zn Acetate	>9			
L601169-06 MW-17B	240-240994-F-6	Plastic 500ml - w/ Nitric - Dis.	<2			
L601169-06 MW-17B	240-240994-G-6	Plastic 250ml - w/nitric - dis	<2			
L601169-06 MW-17B	240-240994-H-6	Plastic 500ml - unpreserved				
L601169-07 MW-17C	240-240994-A-7	Plastic 250ml - unpreserved				
L601169-07 MW-17C	240-240994-B-7	Voa Vial 40ml - with Sulfuric Acid				
L601169-07 MW-17C	240-240994-C-7	Voa Vial 40ml - with Sulfuric Acid				
L601169-07 MW-17C	240-240994-D-7	Voa Vial 40ml - with Sulfuric Acid				
L601169-07 MW-17C	240-240994-E-7	Plastic 500ml - with Zn Acetate	>9			
L601169-07 MW-17C	240-240994-F-7	Plastic 500ml - w/ Nitric - Dis.	<2			
L601169-07 MW-17C	240-240994-G-7	Plastic 250ml - w/nitric - dis	<2			
L601169-07 MW-17C	240-240994-H-7	Plastic 500ml - unpreserved				
L601169-08 MW-17D	240-240994-A-8	Plastic 250ml - unpreserved				
L601169-08 MW-17D	240-240994-B-8	Voa Vial 40ml - with Sulfuric Acid				
L601169-08 MW-17D	240-240994-C-8	Voa Vial 40ml - with Sulfuric Acid				
L601169-08 MW-17D	240-240994-D-8	Voa Vial 40ml - with Sulfuric Acid				
L601169-08 MW-17D	240-240994-E-8	Plastic 500ml - with Zn Acetate	>9			
L601169-08 MW-17D	240-240994-F-8	Plastic 500ml - w/ Nitric - Dis.	<2			
L601169-08 MW-17D	240-240994-G-8	Plastic 250ml - w/nitric - dis	<2			
L601169-08 MW-17D	240-240994-H-8	Plastic 500ml - unpreserved				
L601169-09 MW-17E	240-240994-A-9	Plastic 250ml - unpreserved				
L601169-09 MW-17E	240-240994-B-9	Voa Vial 40ml - with Sulfuric Acid				
L601169-09 MW-17E	240-240994-C-9	Voa Vial 40ml - with Sulfuric Acid				
L601169-09 MW-17E	240-240994-D-9	Voa Vial 40ml - with Sulfuric Acid				
L601169-09 MW-17E	240-240994-E-9	Plastic 500ml - with Zn Acetate	>9			
L601169-09 MW-17E	240-240994-F-9	Plastic 500ml - w/ Nitric - Dis.	<2			
L601169-09 MW-17E	240-240994-G-9	Plastic 250ml - w/nitric - dis	<2			
L601169-09 MW-17E	240-240994-H-9	Plastic 500ml - unpreserved				
L601169-10 MWT-17A	240-240994-A-10	Plastic 250ml - unpreserved				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L601169-10 MWT-17A	240-240994-B-10	Voa Vial 40ml - with Sulfuric Acid				
L601169-10 MWT-17A	240-240994-C-10	Voa Vial 40ml - with Sulfuric Acid				
L601169-10 MWT-17A	240-240994-D-10	Voa Vial 40ml - with Sulfuric Acid				
L601169-10 MWT-17A	240-240994-E-10	Plastic 500ml - with Zn Acetate	>9			
L601169-10 MWT-17A	240-240994-F-10	Plastic 500ml - w/ Nitric - Dis.	<2			
L601169-10 MWT-17A	240-240994-G-10	Plastic 250ml - w/nitric - dis	<2			
L601169-10 MWT-17A	240-240994-H-10	Plastic 500ml - unpreserved				
L601169-11 Field Blank	240-240994-A-11	Plastic 250ml - unpreserved				
L601169-11 Field Blank	240-240994-B-11	Voa Vial 40ml - with Sulfuric Acid				
L601169-11 Field Blank	240-240994-C-11	Voa Vial 40ml - with Sulfuric Acid				
L601169-11 Field Blank	240-240994-D-11	Voa Vial 40ml - with Sulfuric Acid				
L601169-11 Field Blank	240-240994-E-11	Plastic 500ml - with Zn Acetate	>9			
L601169-11 Field Blank	240-240994-F-11	Plastic 500ml - w/ Nitric - Dis	<2			
L601169-11 Field Blank	240-240994-G-11	Plastic 250ml - w/nitric - dis	<2			
L601169-11 Field Blank	240-240994-H-11	Plastic 500ml - unpreserved				

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213071 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): NELAP Oregon		Job #: 240-240994-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 1/21/2026			Preservation Codes:
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_S2_DTotal Sulfide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
L601169-01 MW-2 (240-240994-1)	1/6/26	14:00 Eastern	G	Water			X	1	
L601169--02 MW-3 (240-240994-2)	1/6/26	11:35 Eastern	G	Water			X	1	
L601169-03 MW-7 (240-240994-3)	1/6/26	16:10 Eastern	G	Water			X	1	
L601169-04 MW-14 (240-240994-4)	1/6/26	09:30 Eastern	G	Water			X	1	
L601169-05 MW-17A (240-240994-5)	1/6/26	09:57 Eastern	G	Water			X	1	
L601169-06 MW-17B (240-240994-6)	1/6/26	11:33 Eastern	G	Water			X	1	
L601169-07 MW-17C (240-240994-7)	1/6/26	12:40 Eastern	G	Water			X	1	
L601169-08 MW-17D (240-240994-8)	1/6/26	13:54 Eastern	G	Water			X	1	
L601169-09 MW-17E (240-240994-9)	1/6/26	15:11 Eastern	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/12/26 1530				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	*Date/Time:*	*Company*	*Received by:*	*Date/Time:*	*Company*

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213071.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): NELAP Oregon		Job #: 240-240994-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 1/21/2026			
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_S2_DTotal Sulfide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
L601169-10 MWT-17A (240-240994-10)	1/6/26	09:57 Eastern	G	Water			X	1	
L601169-11 Field Blank (240-240994-11)	1/6/26	08:30 Eastern	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 1/12/26 1530	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

ICOC No:
240-213071

Containers

Count	Container Type	Preservative
11	Plastic 500ml - with Zn Acetate	Zinc Acetate

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213073.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-240994-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/21/2026			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project - MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Therm. ID: SC0 4 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 10.7 / 11.0 °C
Delivery: UPS / FedEx / Other: B
Ice Type: Blue / Dry / Wet / None 3
Label Ver.: 7 Packing: B
Med Red

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRDDissolved Boron	Total Number of contain	Special Instructions/Note:
Preservation Code:										
L601169-01 MW-2 (240-240994-1)	1/6/26	14:00 Eastern	G	Water			X	X	1	
L601169--02 MW-3 (240-240994-2)	1/6/26	11:35 Eastern	G	Water			X	X	1	
L601169-03 MW-7 (240-240994-3)	1/6/26	16:10 Eastern	G	Water			X	X	1	
L601169-04 MW-14 (240-240994-4)	1/6/26	09:30 Eastern	G	Water			X	X	1	
L601169-05 MW-17A (240-240994-5)	1/6/26	09:57 Eastern	G	Water			X	X	1	
L601169-06 MW-17B (240-240994-6)	1/6/26	11:33 Eastern	G	Water			X	X	1	
L601169-07 MW-17C (240-240994-7)	1/6/26	12:40 Eastern	G	Water			X	X	1	
L601169-08 MW-17D (240-240994-8)	1/6/26	13:54 Eastern	G	Water			X	X	1	
L601169-09 MW-17E (240-240994-9)	1/6/26	15:11 Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification: Unconfirmed 4896 1531 0957	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 1/12/26 1600	Company: E	Received by:	Date/Time: 1/13/26 9:45	Company: FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213073.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-240994-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/21/2026			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project - MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRDDissolved Boron	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
L601169-10 MWT-17A (240-240994-10)	1/6/26	09:57 Eastern	G	Water			X	X	2	
L601169-11 Field Blank (240-240994-11)	1/6/26	08:30 Eastern	G	Water			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		1/12/26 1600	ET		1/13/26 5:45	ESTW
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213071.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-240994-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 1/21/2026			
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project - MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_S2_DTotal Sulfide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
L601169-01 MW-2 (240-240994-1)	1/6/26	14:00 Eastern	G	Water			X	1	
L601169--02 MW-3 (240-240994-2)	1/6/26	11:35 Eastern	G	Water			X	1	
L601169-03 MW-7 (240-240994-3)	1/6/26	16:10 Eastern	G	Water			X	1	
L601169-04 MW-14 (240-240994-4)	1/6/26	09:30 Eastern	G	Water			X	1	
L601169-05 MW-17A (240-240994-5)	1/6/26	09:57 Eastern	G	Water			X	1	
L601169-06 MW-17B (240-240994-6)	1/6/26	11:33 Eastern	G	Water			X	1	
L601169-07 MW-17C (240-240994-7)	1/6/26	12:40 Eastern	G	Water			X	1	
L601169-08 MW-17D (240-240994-8)	1/6/26	13:54 Eastern	G	Water			X	1	
L601169-09 MW-17E (240-240994-9)	1/6/26	15:11 Eastern	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 1/12/26 1530	Company EC	Received by: Fedex	Date/Time:	Company
Relinquished by: Fedex	Date/Time:	Company	Received by:	Date/Time: 1/13/26 930	Company EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.8/0.7 IR3 12.4/12.3 no ice

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213071.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-240994-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 1/21/2026			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project - MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_S2_DTotal Sulfide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
L601169-10 MWT-17A (240-240994-10)	1/6/26	09:57 Eastern	G	Water			X	1	
L601169-11 Field Blank (240-240994-11)	1/6/26	08:30 Eastern	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Fedex	Date/Time: 1/12/26 1530	Company E	Received by: Fedex	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1/13/26 930	Company E
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.8/0.7 12.4/12.3 no ice 123

Ver: 10/10/2024
4/7/2026 (Rev. 1)

Ref: S240-141475 Date: 12Jan26 SHIPPING:
Dep: Wgt: 40.00 LBS SPECIAL:
HANDLING:
DV: 0.00 TOTAL: 4

Srcs: PRIORITY OVERNIGHT Master 4896 1531 1011
TRCK: 4896 1531 102?

Part # 159470-434 RRDB EXP 08/26

eurofins | Environment Testing TestAmerica

ORIGIN ID:CAKA (234) 350-3243
SHIPPING
EUROFINS CLEVELAND
180 S VAN BUREN

BARBERTON, OH 44203
UNITED STATES US

SHIP DATE: 12JAN26
ACTWGT: 40.00 LB MAN
CAD: 0792304/CAFE3953

BILL SENDER

TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING SOUTHW
2841 DOW AVENUE
SUITE 100
TUSTIN CA 92780
(714) 895-5494 REF: S240-141475
PO: YES

FedEx Express

2 of 3
MPS# 4896 1531 1022
Mstr# 4896 1531 1011 0201

TUE - 13 JAN 10:30A
PRIORITY OVERNIGHT

NW DTHA
92780
CA-US SNA

Part # 159470-434 RRDB EXP 08/26

eurofins | Environment Testing TestAmerica

ORIGIN ID:CAKA (234) 350-3243
SHIPPING
EUROFINS CLEVELAND
180 S VAN BUREN

BARBERTON, OH 44203
UNITED STATES US

SHIP DATE: 12JAN26
ACTWGT: 40.00 LB MAN
CAD: 0792304/CAFE3953

BILL SENDER

TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING SOUTHW
2841 DOW AVENUE
SUITE 100
TUSTIN CA 92780
(714) 895-5494 REF: S240-141475
PO: YES

FedEx Express

1 of 3
TRK# 0201 4896 1531 1011
MASTER

TUE - 13 JAN 10:30A
PRIORITY OVERNIGHT

NW DTHA
92780
CA-US SNA

Loc: 240
240994

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | En

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213071.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-240994-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 1/21/2026			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project - MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

240-240994 Chain of Custody

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_S2_DTotal Sulfide	Total Number of co	Special Instructions/Note:
			Preservation Code:						
L601169-01 MW-2 (240-240994-1)	1/6/26	14:00 Eastern	G	Water			X	1	
L601169--02 MW-3 (240-240994-2)	1/6/26	11:35 Eastern	G	Water			X	1	
L601169-03 MW-7 (240-240994-3)	1/6/26	16:10 Eastern	G	Water			X	1	
L601169-04 MW-14 (240-240994-4)	1/6/26	09:30 Eastern	G	Water			X	1	
L601169-05 MW-17A (240-240994-5)	1/6/26	09:57 Eastern	G	Water			X	1	
L601169-06 MW-17B (240-240994-6)	1/6/26	11:33 Eastern	G	Water			X	1	
L601169-07 MW-17C (240-240994-7)	1/6/26	12:40 Eastern	G	Water			X	1	
L601169-08 MW-17D (240-240994-8)	1/6/26	13:54 Eastern	G	Water			X	1	
L601169-09 MW-17E (240-240994-9)	1/6/26	15:11 Eastern	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Fedex	Date/Time:	Company	Received by:	Date/Time: 4/13/26 930	Company EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1/14/26 935	Company EC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.8|0.7 1.2.3 12.4|12.3 no ice 0.2|0.1

2/6/26

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213071.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-240994-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 1/21/2026			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project - MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_S2_DTotal Sulfide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
L601169-10 MWT-17A (240-240994-10)	1/6/26	09:57 Eastern	G	Water			X	1	
L601169-11 Field Blank (240-240994-11)	1/6/26	08:30 Eastern	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Fedex	1/12/26 1530	E	Fedex		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1/13/26 930	Company E
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1/14/26 925	Company E

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.8/0.7 12.4/12.3 no ice 0.2/0.1 1R3

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-240994-1

Login Number: 240994
List Number: 3
Creator: Szymborski, Jessica

List Source: Eurofins Calscience
List Creation: 01/14/26 05:59 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.2/0.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-240994-1

Login Number: 240994
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 01/13/26 02:14 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

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JOB DESCRIPTION

Erickson Project - MNA Tier II Geochem

JOB NUMBER

240-241106-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

my EOL

Job Notes

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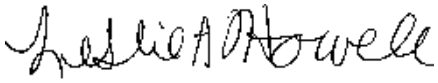
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
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Definitions/Glossary

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
240-241106-1

REVISION

The report being provided is a revision of the original report sent on 1/21/2026. The report (revision 1) is being revised due to dissolved chromium was not reported.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 1/8/2026 10:56 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.2°C, 2.9°C and 5.2°C.

Receipt Exceptions
The following samples were listed on the Chain of Custody (COC): L601171-01 MW-5, L601171-03 MW-7D, L601171-04 MW-12, and L601171-11 MW-19B, however, no samples were received: L601171-01 MW-5 (240-241106-1), L601171-03 MW-7D (240-241106-3), L601171-04 MW-12 (240-241106-4) and L601171-11 MW-19B (240-241106-11).

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method SM 4500 S2 D: Samples L601171-01 MW-5 (240-241106-1), L601171-03 MW-7D (240-241106-3) and L601171-11 MW-19B (240-241106-11) was/were received outside of holding time.

Method SM 4500 S2 D: Sample L601171-04 MW-12 (240-241106-4) was/were received outside of holding time.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET SSM
200.8	Metals (ICP/MS)	EPA	EET SSM
200.8-1994 R5.4	Metals (ICP/MS)	EPA	EET CLE
300.0-1993 R2.1	Anions, Ion Chromatography	EPA	EET CLE
5310 C-2014	Total Organic Carbon/Persulfate - Ultrav	SM	EET CLE
SM 4500 NO2 B	Nitrogen, Nitrite	SM	EET MI
SM 4500 S2 D	Sulfide, Total	SM	EET CAL 4
SM4500 NO3 D	Nitrogen, Nitrate	SM	EET MI
200.7	Preparation, Total Metals	EPA	EET SSM
200.8	Preparation, Total Metals	EPA	EET SSM
200.8-1994 R5.4	Preparation, Total Recoverable Metals	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-241106-1	L601171-01 MW-5	Water	01/07/26 17:40	01/08/26 10:56	Michigan
240-241106-2	L601171-02 MW-7C	Water	01/07/26 16:55	01/08/26 10:56	Michigan
240-241106-3	L601171-03 MW-7D	Water	01/07/26 15:48	01/08/26 10:56	Michigan
240-241106-4	L601171-04 MW-12	Water	01/07/26 10:20	01/08/26 10:56	Michigan
240-241106-5	L601171-05 MW-12B	Water	01/07/26 09:55	01/08/26 10:56	Michigan
240-241106-6	L601171-06 MW-18A	Water	01/07/26 10:59	01/08/26 10:56	Michigan
240-241106-7	L601171-07 MW-18B	Water	01/07/26 12:15	01/08/26 10:56	Michigan
240-241106-8	L601171-08 MW-18C	Water	01/07/26 13:23	01/08/26 10:56	Michigan
240-241106-9	L601171-09 MW-18D	Water	01/07/26 14:30	01/08/26 10:56	Michigan
240-241106-10	L601171-10 MW-19A	Water	01/07/26 15:55	01/08/26 10:56	Michigan
240-241106-11	L601171-11 MW-19B	Water	01/07/26 15:00	01/08/26 10:56	Michigan
240-241106-12	L601171-12 MW-19C	Water	01/07/26 13:35	01/08/26 10:56	Michigan
240-241106-13	L601171-13 MW-19D	Water	01/07/26 12:10	01/08/26 10:56	Michigan
240-241106-14	L601171-14 MWT-18A	Water	01/07/26 10:59	01/08/26 10:56	Michigan
240-241106-15	L601171-15 Field Blank	Water	01/07/26 07:45	01/08/26 10:56	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-241106-1

Client Sample ID: L601171-01 MW-5 — Lab Sample ID: 240-241106-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	4.4		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.039		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Cadmium, Dissolved	0.00020	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	130		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00036	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.049		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	29		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.061		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0033		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Selenium, Dissolved	0.0027	J	0.0050	0.00089	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.0064		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	3.4		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	46		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Zinc, Dissolved	0.0016	J	0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	0.97	J	1.0	0.44	mg/L	1		5310 C-2014	Total/NA

Client Sample ID: L601171-02 MW-7C — Lab Sample ID: 240-241106-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	6.4		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0046	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.039		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Cadmium, Dissolved	0.00017	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	210		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00015	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.11		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	41		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.35		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0071		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.22		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	5.3		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	85		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	3.5		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	3.0		1.0	0.44	mg/L	1		5310 C-2014	Total/NA

Client Sample ID: L601171-03 MW-7D — Lab Sample ID: 240-241106-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	1.4		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.040		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	69		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00015	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.036		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	24		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.0042	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.067		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	9.8		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	20		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.14		0.10	0.013	mg/L	1		200.8	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601171-04 MW-12 — Lab Sample ID: 240-241106-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.049	J	0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0017	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.050		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	160		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.0020		0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.016		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	61		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.0049	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.011		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.12		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	2.1		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	92		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.2		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0037	J	0.0070	0.00093	mg/L	1		200.8	Dissolved
Aluminum, Dissolved	0.011	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Total Organic Carbon	2.9		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Total Sulfide	0.044	J H	0.050	0.028	mg/L	1		SM 4500 S2 D	Total/NA
Nitrate as N	2.0		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601171-05 MW-12B — Lab Sample ID: 240-241106-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	3.3		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.024		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	26		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.038		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	8.1		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.0095		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	7.8		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	110		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.22		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.00097	J	0.0070	0.00093	mg/L	1		200.8	Dissolved
Aluminum, Dissolved	0.0081	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Total Organic Carbon	1.5		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.47		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601171-06 MW-18A — Lab Sample ID: 240-241106-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.82		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.044		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	95		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.068		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	17		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.098		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.22		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	7.2		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	62		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.5		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0012	J	0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	3.0		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.67		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-241106-1

Client Sample ID: L601171-07 MW-18B — Lab Sample ID: 240-241106-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	2.6		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.057		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	170		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.13		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	31		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.12		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.011		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.19		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	8.7		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	91		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	2.3		0.10	0.013	mg/L	1		200.8	Dissolved
Aluminum, Dissolved	0.0094	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Total Organic Carbon	4.1		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.2		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601171-08 MW-18C — Lab Sample ID: 240-241106-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	3.2		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.058		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	180		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.098		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	45		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.14		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.011		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.14		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	5.2		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	79		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	2.7		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	3.8		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.4		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601171-09 MW-18D — Lab Sample ID: 240-241106-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	3.8		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.027		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	76		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00040	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.075		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	15		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.065		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0048		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.076		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	6.1		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	130		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.2		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	1.6		1.0	0.44	mg/L	1		5310 C-2014	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-241106-1

Client Sample ID: L601171-10 MW-19A — Lab Sample ID: 240-241106-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.25	J	0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0046	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.092		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	190		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.013		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	59		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.0022	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.011		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.15		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	1.9		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	48		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	5.0		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.00097	J	0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	2.1		1.0	0.44	mg/L	1		5310 C-2014	Total/NA

Client Sample ID: L601171-11 MW-19B — Lab Sample ID: 240-241106-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.43	J	0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0034	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.051		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	180		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.016		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	67		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.0020	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.016		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.068		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	3.0		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	35		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.9		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	1.1		1.0	0.44	mg/L	1		5310 C-2014	Total/NA

Client Sample ID: L601171-12 MW-19C — Lab Sample ID: 240-241106-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	1.6		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.034		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	60		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.027		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	21		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.019		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	7.6		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	45		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.58		0.10	0.013	mg/L	1		200.8	Dissolved
Aluminum, Dissolved	0.0083	J	0.040	0.0058	mg/L	1		200.8	Dissolved

Client Sample ID: L601171-13 MW-19D — Lab Sample ID: 240-241106-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.55		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.051		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	69		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: L601171-13 MW-19D (Continued) — Lab Sample ID: 240-241106-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium, Dissolved	0.024		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	24		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.0013	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.027		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	5.8		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	29		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.66		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	1.2		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.54		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601171-14 MWT-18A — Lab Sample ID: 240-241106-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.82		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.044		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	96		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.068		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	17		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.099		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.22		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	7.2		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	62		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.5		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	3.0		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.62		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601171-15 Field Blank — Lab Sample ID: 240-241106-15

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: L601171-01 MW-5
Lab Sample ID: 240-241106-1

Date Collected: 01/07/26 17:40
Matrix: Water
Date Received: 01/08/26 10:56

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**4.4**		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 20:21	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 21:33	1
Barium, Dissolved	**0.039**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 21:33	1
Cadmium, Dissolved	**0.00020**	**J**	0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 21:33	1
Calcium, Dissolved	**130**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 21:33	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 21:33	1
Cobalt, Dissolved	**0.00036**	**J**	0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 21:33	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 21:33	1
Lithium, Dissolved	**0.049**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 21:33	1
Magnesium, Dissolved	**29**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 21:33	1
Molybdenum, Dissolved	**0.061**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 21:33	1
Nickel, Dissolved	**0.0033**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 21:33	1
Selenium, Dissolved	**0.0027**	**J**	0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 21:33	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 21:33	1
Manganese, Dissolved	**0.0064**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 21:33	1
Potassium, Dissolved	**3.4**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 21:33	1
Sodium, Dissolved	**46**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 21:33	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:15	1
Zinc, Dissolved	**0.0016**	**J**	0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:15	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0-1993 R2.1)	ND		0.10	0.015	mg/L			01/09/26 12:51	1
Total Organic Carbon (SM 5310 C-2014)	**0.97**	**J**	1.0	0.44	mg/L			01/14/26 03:59	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 14:15	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:50	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-241106-1

Client Sample ID: L601171-02 MW-7C

Date Collected: 01/07/26 16:55
Date Received: 01/08/26 10:56

Lab Sample ID: 240-241106-2

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**6.4**		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 20:31	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0046**	**J**	0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 21:36	1
Barium, Dissolved	**0.039**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 21:36	1
Cadmium, Dissolved	**0.00017**	**J**	0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 21:36	1
Calcium, Dissolved	**210**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 21:36	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 21:36	1
Cobalt, Dissolved	**0.00015**	**J**	0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 21:36	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 21:36	1
Lithium, Dissolved	**0.11**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 21:36	1
Magnesium, Dissolved	**41**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 21:36	1
Molybdenum, Dissolved	**0.35**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 21:36	1
Nickel, Dissolved	**0.0071**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 21:36	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 21:36	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 21:36	1
Manganese, Dissolved	**0.22**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 21:36	1
Potassium, Dissolved	**5.3**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 21:36	1
Sodium, Dissolved	**85**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 21:36	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**3.5**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:18	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:18	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0-1993 R2.1)	ND		0.10	0.015	mg/L			01/09/26 13:08	1
Total Organic Carbon (SM 5310 C-2014)	**3.0**		1.0	0.44	mg/L			01/14/26 04:22	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 14:14	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/14/26 19:18	1

Client Sample ID: L601171-03 MW-7D
Lab Sample ID: 240-241106-3

Date Collected: 01/07/26 15:48
Matrix: Water
Date Received: 01/08/26 10:56

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**1.4**		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 20:54	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 21:39	1
Barium, Dissolved	**0.040**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 21:39	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 21:39	1
Calcium, Dissolved	**69**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 21:39	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 21:39	1
Cobalt, Dissolved	**0.00015**	**J**	0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 21:39	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 21:39	1
Lithium, Dissolved	**0.036**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 21:39	1
Magnesium, Dissolved	**24**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 21:39	1
Molybdenum, Dissolved	**0.0042**	**J**	0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 21:39	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 21:39	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 21:39	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 21:39	1
Manganese, Dissolved	**0.067**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 21:39	1
Potassium, Dissolved	**9.8**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 21:39	1
Sodium, Dissolved	**20**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 21:39	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.14**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:40	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:40	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0-1993 R2.1)	ND		0.10	0.015	mg/L			01/09/26 13:24	1
Total Organic Carbon (SM 5310 C-2014)	ND		1.0	0.44	mg/L			01/14/26 04:45	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 14:12	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:52	1

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601171-04 MW-12
Lab Sample ID: 240-241106-4
Date Collected: 01/07/26 10:20
Matrix: Water
Date Received: 01/08/26 10:56

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.049**	**J**	0.50	0.041	mg/L		01/13/26 15:20	01/16/26 20:34	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0017**	**J**	0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 21:41	1
Barium, Dissolved	**0.050**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 21:41	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 21:41	1
Calcium, Dissolved	**160**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 21:41	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 21:41	1
Cobalt, Dissolved	**0.0020**		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 21:41	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 21:41	1
Lithium, Dissolved	**0.016**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 21:41	1
Magnesium, Dissolved	**61**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 21:41	1
Molybdenum, Dissolved	**0.0049**	**J**	0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 21:41	1
Nickel, Dissolved	**0.011**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 21:41	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 21:41	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 21:41	1
Manganese, Dissolved	**0.12**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 21:41	1
Potassium, Dissolved	**2.1**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 21:41	1
Sodium, Dissolved	**92**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 21:41	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.2**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:21	1
Zinc, Dissolved	**0.0037**	**J**	0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:21	1
Aluminum, Dissolved	**0.011**	**J**	0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**2.9**		1.0	0.44	mg/L			01/14/26 05:07	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 13:49	1
Total Sulfide (SM 4500 S2 D)	**0.044**	**J H**	0.050	0.028	mg/L			01/21/26 19:56	1
Nitrate as N (SM4500 NO3 D)	**2.0**		0.20	0.070	mg/L			01/08/26 17:49	1

Client Sample ID: L601171-05 MW-12B
Lab Sample ID: 240-241106-5

Date Collected: 01/07/26 09:55
Matrix: Water
Date Received: 01/08/26 10:56

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**3.3**		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 20:57	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 21:44	1
Barium, Dissolved	**0.024**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 21:44	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 21:44	1
Calcium, Dissolved	**26**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 21:44	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 21:44	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 21:44	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 21:44	1
Lithium, Dissolved	**0.038**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 21:44	1
Magnesium, Dissolved	**8.1**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 21:44	1
Molybdenum, Dissolved	ND		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 21:44	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 21:44	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 21:44	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 21:44	1
Manganese, Dissolved	**0.0095**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 21:44	1
Potassium, Dissolved	**7.8**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 21:44	1
Sodium, Dissolved	**110**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 21:44	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.22**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:49	1
Zinc, Dissolved	**0.00097**	**J**	0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:49	1
Aluminum, Dissolved	**0.0081**	**J**	0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**1.5**		1.0	0.44	mg/L			01/14/26 08:13	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 13:48	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/14/26 19:24	1
Nitrate as N (SM4500 NO3 D)	**0.47**		0.20	0.070	mg/L			01/08/26 17:26	1

Client Sample ID: L601171-06 MW-18A
Lab Sample ID: 240-241106-6

Date Collected: 01/07/26 10:59
Matrix: Water
Date Received: 01/08/26 10:56

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.82**		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 21:01	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 21:52	1
Barium, Dissolved	**0.044**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 21:52	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 21:52	1
Calcium, Dissolved	**95**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 21:52	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 21:52	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 21:52	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 21:52	1
Lithium, Dissolved	**0.068**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 21:52	1
Magnesium, Dissolved	**17**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 21:52	1
Molybdenum, Dissolved	**0.098**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 21:52	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 21:52	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 21:52	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 21:52	1
Manganese, Dissolved	**0.22**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 21:52	1
Potassium, Dissolved	**7.2**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 21:52	1
Sodium, Dissolved	**62**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 21:52	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.5**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:51	1
Zinc, Dissolved	**0.0012**	**J**	0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:51	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**3.0**		1.0	0.44	mg/L			01/14/26 08:35	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 13:50	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/14/26 19:26	1
Nitrate as N (SM4500 NO3 D)	**0.67**		0.20	0.070	mg/L			01/08/26 18:04	1

Client Sample ID: L601171-07 MW-18B
Lab Sample ID: 240-241106-7

Date Collected: 01/07/26 12:15
Matrix: Water
Date Received: 01/08/26 10:56

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**2.6**		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 20:38	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 21:55	1
Barium, Dissolved	**0.057**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 21:55	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 21:55	1
Calcium, Dissolved	**170**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 21:55	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 21:55	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 21:55	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 21:55	1
Lithium, Dissolved	**0.13**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 21:55	1
Magnesium, Dissolved	**31**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 21:55	1
Molybdenum, Dissolved	**0.12**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 21:55	1
Nickel, Dissolved	**0.011**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 21:55	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 21:55	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 21:55	1
Manganese, Dissolved	**0.19**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 21:55	1
Potassium, Dissolved	**8.7**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 21:55	1
Sodium, Dissolved	**91**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 21:55	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**2.3**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:23	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:23	1
Aluminum, Dissolved	**0.0094**	**J**	0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**4.1**		1.0	0.44	mg/L			01/14/26 08:58	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 13:47	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/14/26 19:28	1
Nitrate as N (SM4500 NO3 D)	**1.2**		0.20	0.070	mg/L			01/08/26 17:20	1

Client Sample ID: L601171-08 MW-18C
Lab Sample ID: 240-241106-8

Date Collected: 01/07/26 13:23
Matrix: Water
Date Received: 01/08/26 10:56

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**3.2**		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 21:11	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 21:58	1
Barium, Dissolved	**0.058**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 21:58	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 21:58	1
Calcium, Dissolved	**180**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 21:58	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 21:58	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 21:58	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 21:58	1
Lithium, Dissolved	**0.098**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 21:58	1
Magnesium, Dissolved	**45**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 21:58	1
Molybdenum, Dissolved	**0.14**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 21:58	1
Nickel, Dissolved	**0.011**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 21:58	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 21:58	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 21:58	1
Manganese, Dissolved	**0.14**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 21:58	1
Potassium, Dissolved	**5.2**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 21:58	1
Sodium, Dissolved	**79**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 21:58	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**2.7**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:54	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:54	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**3.8**		1.0	0.44	mg/L			01/14/26 09:20	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 14:13	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/14/26 19:30	1
Nitrate as N (SM4500 NO3 D)	**1.4**		0.20	0.070	mg/L			01/08/26 19:23	1

Client Sample ID: L601171-09 MW-18D
Lab Sample ID: 240-241106-9

Date Collected: 01/07/26 14:30
Matrix: Water
Date Received: 01/08/26 10:56

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**3.8**		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 21:14	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 22:01	1
Barium, Dissolved	**0.027**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 22:01	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 22:01	1
Calcium, Dissolved	**76**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 22:01	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 22:01	1
Cobalt, Dissolved	**0.00040**	**J**	0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 22:01	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 22:01	1
Lithium, Dissolved	**0.075**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 22:01	1
Magnesium, Dissolved	**15**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 22:01	1
Molybdenum, Dissolved	**0.065**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 22:01	1
Nickel, Dissolved	**0.0048**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 22:01	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 22:01	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 22:01	1
Manganese, Dissolved	**0.076**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 22:01	1
Potassium, Dissolved	**6.1**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 22:01	1
Sodium, Dissolved	**130**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 22:01	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.2**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:57	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:57	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0-1993 R2.1)	ND		0.10	0.015	mg/L			01/09/26 13:49	1
Total Organic Carbon (SM 5310 C-2014)	**1.6**		1.0	0.44	mg/L			01/14/26 09:43	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 14:11	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/14/26 19:32	1

Client Sample ID: L601171-10 MW-19A
Lab Sample ID: 240-241106-10

Date Collected: 01/07/26 15:55
Matrix: Water
Date Received: 01/08/26 10:56

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.25**	**J**	0.50	0.041	mg/L		01/13/26 15:20	01/16/26 20:41	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0046**	**J**	0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 22:04	1
Barium, Dissolved	**0.092**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 22:04	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 22:04	1
Calcium, Dissolved	**190**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 22:04	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 22:04	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 22:04	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 22:04	1
Lithium, Dissolved	**0.013**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 22:04	1
Magnesium, Dissolved	**59**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 22:04	1
Molybdenum, Dissolved	**0.0022**	**J**	0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 22:04	1
Nickel, Dissolved	**0.011**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 22:04	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 22:04	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 22:04	1
Manganese, Dissolved	**0.15**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 22:04	1
Potassium, Dissolved	**1.9**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 22:04	1
Sodium, Dissolved	**48**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 22:04	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**5.0**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:26	1
Zinc, Dissolved	**0.00097**	**J**	0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:26	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0-1993 R2.1)	ND		0.10	0.015	mg/L			01/09/26 14:05	1
Total Organic Carbon (SM 5310 C-2014)	**2.1**		1.0	0.44	mg/L			01/14/26 10:54	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 14:14	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/14/26 19:34	1

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601171-11 MW-19B
Lab Sample ID: 240-241106-11

Date Collected: 01/07/26 15:00
Matrix: Water
Date Received: 01/08/26 10:56

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.43**	**J**	0.50	0.041	mg/L		01/13/26 15:20	01/16/26 21:18	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0034**	**J**	0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 22:06	1
Barium, Dissolved	**0.051**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 22:06	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 22:06	1
Calcium, Dissolved	**180**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 22:06	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 22:06	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 22:06	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 22:06	1
Lithium, Dissolved	**0.016**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 22:06	1
Magnesium, Dissolved	**67**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 22:06	1
Molybdenum, Dissolved	**0.0020**	**J**	0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 22:06	1
Nickel, Dissolved	**0.016**		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 22:06	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 22:06	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 22:06	1
Manganese, Dissolved	**0.068**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 22:06	1
Potassium, Dissolved	**3.0**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 22:06	1
Sodium, Dissolved	**35**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 22:06	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.9**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 18:00	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 18:00	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 18:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0-1993 R2.1)	ND		0.10	0.015	mg/L			01/09/26 14:21	1
Total Organic Carbon (SM 5310 C-2014)	**1.1**		1.0	0.44	mg/L			01/14/26 11:17	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 14:12	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			01/21/26 19:54	1

Client Sample ID: L601171-12 MW-19C
Lab Sample ID: 240-241106-12

Date Collected: 01/07/26 13:35
Matrix: Water
Date Received: 01/08/26 10:56

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**1.6**		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 20:44	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 22:09	1
Barium, Dissolved	**0.034**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 22:09	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 22:09	1
Calcium, Dissolved	**60**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 22:09	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 22:09	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 22:09	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 22:09	1
Lithium, Dissolved	**0.027**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 22:09	1
Magnesium, Dissolved	**21**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 22:09	1
Molybdenum, Dissolved	ND		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 22:09	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 22:09	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 22:09	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 22:09	1
Manganese, Dissolved	**0.019**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 22:09	1
Potassium, Dissolved	**7.6**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 22:09	1
Sodium, Dissolved	**45**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 22:09	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.58**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:29	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:29	1
Aluminum, Dissolved	**0.0083**	**J**	0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 300.0-1993 R2.1)	ND		0.10	0.015	mg/L			01/09/26 12:27	1
Total Organic Carbon (SM 5310 C-2014)	ND		1.0	0.44	mg/L			01/14/26 11:40	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 14:11	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/14/26 19:36	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-241106-1

Client Sample ID: L601171-13 MW-19D

Date Collected: 01/07/26 12:10
Date Received: 01/08/26 10:56

Lab Sample ID: 240-241106-13

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.55**		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 20:47	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 22:12	1
Barium, Dissolved	**0.051**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 22:12	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 22:12	1
Calcium, Dissolved	**69**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 22:12	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 22:12	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 22:12	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 22:12	1
Lithium, Dissolved	**0.024**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 22:12	1
Magnesium, Dissolved	**24**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 22:12	1
Molybdenum, Dissolved	**0.0013**	**J**	0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 22:12	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 22:12	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 22:12	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 22:12	1
Manganese, Dissolved	**0.027**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 22:12	1
Potassium, Dissolved	**5.8**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 22:12	1
Sodium, Dissolved	**29**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 22:12	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.66**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:32	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:32	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**1.2**		1.0	0.44	mg/L			01/14/26 12:03	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 14:13	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/14/26 19:38	1
Nitrate as N (SM4500 NO3 D)	**0.54**		0.20	0.070	mg/L			01/08/26 19:15	1

Client Sample ID: L601171-14 MWT-18A
Lab Sample ID: 240-241106-14

Date Collected: 01/07/26 10:59
Matrix: Water
Date Received: 01/08/26 10:56

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.82**		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 21:21	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 22:15	1
Barium, Dissolved	**0.044**		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 22:15	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 22:15	1
Calcium, Dissolved	**96**		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 22:15	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 22:15	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 22:15	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 22:15	1
Lithium, Dissolved	**0.068**		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 22:15	1
Magnesium, Dissolved	**17**		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 22:15	1
Molybdenum, Dissolved	**0.099**		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 22:15	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 22:15	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 22:15	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 22:15	1
Manganese, Dissolved	**0.22**		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 22:15	1
Potassium, Dissolved	**7.2**		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 22:15	1
Sodium, Dissolved	**62**		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 22:15	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.5**		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 18:03	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 18:03	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 18:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**3.0**		1.0	0.44	mg/L			01/14/26 13:56	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 13:49	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/14/26 19:40	1
Nitrate as N (SM4500 NO3 D)	**0.62**		0.20	0.070	mg/L			01/08/26 17:56	1

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601171-15 Field Blank
Lab Sample ID: 240-241106-15
Date Collected: 01/07/26 07:45
Matrix: Water
Date Received: 01/08/26 10:56

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	ND		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 20:51	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 22:18	1
Barium, Dissolved	ND		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 22:18	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 22:18	1
Calcium, Dissolved	ND		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 22:18	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 22:18	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 22:18	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 22:18	1
Lithium, Dissolved	ND		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 22:18	1
Magnesium, Dissolved	ND		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 22:18	1
Molybdenum, Dissolved	ND		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 22:18	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 22:18	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 22:18	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 22:18	1
Manganese, Dissolved	ND		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 22:18	1
Potassium, Dissolved	ND		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 22:18	1
Sodium, Dissolved	ND		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 22:18	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 17:35	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 17:35	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 17:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	ND		1.0	0.44	mg/L			01/15/26 03:29	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/08/26 13:43	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/14/26 19:44	1
Nitrate as N (SM4500 NO3 D)	ND		0.20	0.070	mg/L			01/08/26 17:01	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 350-12160/1-A
Matrix: Water
Analysis Batch: 12261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	ND		0.50	0.041	mg/L		01/13/26 15:20	01/16/26 19:52	1

Lab Sample ID: LCS 350-12160/2-A
Matrix: Water
Analysis Batch: 12261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	5.00	5.28		mg/L		106	85 - 115

Lab Sample ID: 240-241106-14 MS
Matrix: Water
Analysis Batch: 12261

Client Sample ID: L601171-14 MWT-18A
Prep Type: Dissolved
Prep Batch: 12160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	0.82		5.00	6.25		mg/L		109	70 - 130

Lab Sample ID: 240-241106-14 MSD
Matrix: Water
Analysis Batch: 12261

Client Sample ID: L601171-14 MWT-18A
Prep Type: Dissolved
Prep Batch: 12160

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron, Dissolved	0.82		5.00	6.20		mg/L		108	70 - 130	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 350-12160/1-A
Matrix: Water
Analysis Batch: 12193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		01/13/26 15:20	01/14/26 16:39	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/13/26 15:20	01/14/26 16:39	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/13/26 15:20	01/14/26 16:39	1

Lab Sample ID: LCS 350-12160/2-A
Matrix: Water
Analysis Batch: 12193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	20.0	19.3		mg/L		97	85 - 115
Zinc, Dissolved	1.00	0.940		mg/L		94	85 - 115
Aluminum, Dissolved	20.0	18.3		mg/L		92	85 - 115

Lab Sample ID: 240-241106-14 MS
Matrix: Water
Analysis Batch: 12193

Client Sample ID: L601171-14 MWT-18A
Prep Type: Dissolved
Prep Batch: 12160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	1.5		20.0	20.5		mg/L		95	70 - 130
Zinc, Dissolved	ND		1.00	0.917		mg/L		92	70 - 130

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-241106-14 MS
Matrix: Water
Analysis Batch: 12193

Client Sample ID: L601171-14 MWT-18A
Prep Type: Dissolved
Prep Batch: 12160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum, Dissolved	ND		20.0	18.9		mg/L		94	70 - 130

Lab Sample ID: 240-241106-14 MSD
Matrix: Water
Analysis Batch: 12193

Client Sample ID: L601171-14 MWT-18A
Prep Type: Dissolved
Prep Batch: 12160

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron, Dissolved	1.5		20.0	20.9		mg/L		97	70 - 130	2	20
Zinc, Dissolved	ND		1.00	0.935		mg/L		94	70 - 130	2	20
Aluminum, Dissolved	ND		20.0	19.3		mg/L		96	70 - 130	2	20

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: MB 240-687126/1-A
Matrix: Water
Analysis Batch: 687293

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 687126

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/12/26 14:00	01/13/26 21:02	1
Barium, Dissolved	ND		0.0050	0.00077	mg/L		01/12/26 14:00	01/13/26 21:02	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/12/26 14:00	01/13/26 21:02	1
Calcium, Dissolved	ND		1.0	0.25	mg/L		01/12/26 14:00	01/13/26 21:02	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/12/26 14:00	01/13/26 21:02	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/12/26 14:00	01/13/26 21:02	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/12/26 14:00	01/13/26 21:02	1
Lithium, Dissolved	ND		0.0080	0.0034	mg/L		01/12/26 14:00	01/13/26 21:02	1
Magnesium, Dissolved	ND		1.0	0.061	mg/L		01/12/26 14:00	01/13/26 21:02	1
Molybdenum, Dissolved	ND		0.0050	0.0011	mg/L		01/12/26 14:00	01/13/26 21:02	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		01/12/26 14:00	01/13/26 21:02	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/12/26 14:00	01/13/26 21:02	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/12/26 14:00	01/13/26 21:02	1
Manganese, Dissolved	ND		0.0050	0.0035	mg/L		01/12/26 14:00	01/13/26 21:02	1
Potassium, Dissolved	ND		1.0	0.22	mg/L		01/12/26 14:00	01/13/26 21:02	1
Sodium, Dissolved	ND		1.0	0.88	mg/L		01/12/26 14:00	01/13/26 21:02	1

Lab Sample ID: LCS 240-687126/2-A
Matrix: Water
Analysis Batch: 687293

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 687126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	1.00	0.987		mg/L		99	85 - 115
Barium, Dissolved	1.00	0.955		mg/L		96	85 - 115
Cadmium, Dissolved	0.500	0.487		mg/L		97	85 - 115
Calcium, Dissolved	25.0	24.4		mg/L		98	85 - 115
Chromium, Dissolved	0.500	0.496		mg/L		99	85 - 115
Cobalt, Dissolved	0.500	0.495		mg/L		99	85 - 115
Copper, Dissolved	0.500	0.485		mg/L		97	85 - 115
Lithium, Dissolved	0.500	0.498		mg/L		100	85 - 115
Magnesium, Dissolved	25.0	24.8		mg/L		99	85 - 115
Molybdenum, Dissolved	0.500	0.486		mg/L		97	85 - 115

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-687126/2-A
Matrix: Water
Analysis Batch: 687293

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 687126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel, Dissolved	0.500	0.493		mg/L		99	85 - 115
Selenium, Dissolved	1.00	0.978		mg/L		98	85 - 115
Vanadium, Dissolved	0.500	0.491		mg/L		98	85 - 115
Manganese, Dissolved	0.500	0.492		mg/L		98	85 - 115
Potassium, Dissolved	25.0	25.1		mg/L		100	85 - 115
Sodium, Dissolved	25.0	24.6		mg/L		98	85 - 115

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 240-686981/3
Matrix: Water
Analysis Batch: 686981

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.10	0.015	mg/L			01/09/26 12:10	1

Lab Sample ID: LCS 240-686981/4
Matrix: Water
Analysis Batch: 686981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.50	2.63		mg/L		105	90 - 110

Lab Sample ID: 240-241106-12 MS
Matrix: Water
Analysis Batch: 686981

Client Sample ID: L601171-12 MW-19C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	ND		2.50	2.91		mg/L		117	80 - 120
Nitrate as N	ND		2.50	2.91		mg/L		117	80 - 120

Lab Sample ID: 240-241106-12 MSD
Matrix: Water
Analysis Batch: 686981

Client Sample ID: L601171-12 MW-19C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	ND		2.50	2.83		mg/L		113	80 - 120	3	15
Nitrate as N	ND		2.50	2.83		mg/L		113	80 - 120	3	15

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav

Lab Sample ID: MB 240-687490/38
Matrix: Water
Analysis Batch: 687490

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.44	mg/L			01/14/26 06:19	1

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav (Continued)

Lab Sample ID: MB 240-687490/5
Matrix: Water
Analysis Batch: 687490

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.44	mg/L			01/13/26 17:38	1

Lab Sample ID: LCS 240-687490/21
Matrix: Water
Analysis Batch: 687490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	27.0		mg/L		95	85 - 115
TOC Result 1	28.4	27.4		mg/L		97	85 - 115
TOC Result 2	28.4	26.8		mg/L		94	85 - 115

Lab Sample ID: LCS 240-687490/39
Matrix: Water
Analysis Batch: 687490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	26.9		mg/L		95	85 - 115
TOC Result 1	28.4	27.1		mg/L		95	85 - 115
TOC Result 2	28.4	26.3		mg/L		92	85 - 115

Lab Sample ID: LCS 240-687490/54
Matrix: Water
Analysis Batch: 687490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	27.3		mg/L		96	85 - 115
TOC Result 1	28.4	27.4		mg/L		96	85 - 115
TOC Result 2	28.4	26.9		mg/L		95	85 - 115

Lab Sample ID: MB 240-687573/5
Matrix: Water
Analysis Batch: 687573

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.44	mg/L			01/14/26 19:52	1

Lab Sample ID: LCS 240-687573/21
Matrix: Water
Analysis Batch: 687573

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	26.7		mg/L		94	85 - 115
TOC Result 1	28.4	27.2		mg/L		96	85 - 115
TOC Result 2	28.4	26.4		mg/L		93	85 - 115

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 190-13134/4
Matrix: Water
Analysis Batch: 13134

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.0097	mg/L			01/08/26 13:43	1

Lab Sample ID: LCS 190-13134/3
Matrix: Water
Analysis Batch: 13134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N			0.250	0.238		mg/L		95	90 - 110		

Lab Sample ID: 240-241106-1 MS
Matrix: Water
Analysis Batch: 13134

Client Sample ID: L601171-01 MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	ND		0.250	0.223		mg/L		89	75 - 125		

Lab Sample ID: 240-241106-1 MSD
Matrix: Water
Analysis Batch: 13134

Client Sample ID: L601171-01 MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND		0.250	0.226		mg/L		90	75 - 125	1	20

Lab Sample ID: 240-241106-8 MS
Matrix: Water
Analysis Batch: 13134

Client Sample ID: L601171-08 MW-18C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	ND		0.250	0.202		mg/L		81	75 - 125		

Lab Sample ID: 240-241106-8 MSD
Matrix: Water
Analysis Batch: 13134

Client Sample ID: L601171-08 MW-18C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND		0.250	0.208		mg/L		83	75 - 125	3	20

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 570-682917/6
Matrix: Water
Analysis Batch: 682917

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Sulfide	ND		0.050	0.028	mg/L			01/14/26 19:12	1

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: LCS 570-682917/8
Matrix: Water
Analysis Batch: 682917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Sulfide	0.498	0.539		mg/L		108	70 - 130

Lab Sample ID: LCSD 570-682917/10
Matrix: Water
Analysis Batch: 682917

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Sulfide	0.498	0.557		mg/L		112	70 - 130	3	8

Lab Sample ID: MRL 570-682917/4
Matrix: Water
Analysis Batch: 682917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Sulfide	0.0498	0.0474	J	mg/L		95	50 - 150

Lab Sample ID: 240-241106-2 MS
Matrix: Water
Analysis Batch: 682917

Client Sample ID: L601171-02 MW-7C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Sulfide	ND		0.498	0.357		mg/L		72	70 - 130

Lab Sample ID: 240-241106-2 MSD
Matrix: Water
Analysis Batch: 682917

Client Sample ID: L601171-02 MW-7C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Sulfide	ND		0.498	0.403		mg/L		81	70 - 130	12	20

Lab Sample ID: MB 570-685370/6
Matrix: Water
Analysis Batch: 685370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Sulfide	ND		0.050	0.028	mg/L			01/21/26 19:08	1

Lab Sample ID: LCS 570-685370/8
Matrix: Water
Analysis Batch: 685370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Sulfide	0.498	0.525		mg/L		105	70 - 130

Lab Sample ID: LCSD 570-685370/10
Matrix: Water
Analysis Batch: 685370

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Sulfide	0.498	0.485		mg/L		97	70 - 130	8	8

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MRL 570-685370/4
Matrix: Water
Analysis Batch: 685370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Total Sulfide			0.0498	0.0659		mg/L		132	50 - 150		

Method: SM4500 NO3 D - Nitrogen, Nitrate

Lab Sample ID: MB 190-13136/3
Matrix: Water
Analysis Batch: 13136

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.070	mg/L			01/08/26 16:12	1

Lab Sample ID: LCS 190-13136/4
Matrix: Water
Analysis Batch: 13136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			10.0	10.1		mg/L		101	90 - 110		

Lab Sample ID: 240-241106-8 MS
Matrix: Water
Analysis Batch: 13136

Client Sample ID: L601171-08 MW-18C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	1.4		10.0	13.8		mg/L		123	75 - 125		

Lab Sample ID: 240-241106-8 MSD
Matrix: Water
Analysis Batch: 13136

Client Sample ID: L601171-08 MW-18C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	1.4		10.0	13.3		mg/L		118	75 - 125	4	20

Metals

Prep Batch: 12160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-1	L601171-01 MW-5	Dissolved	Water	200.7	
240-241106-2	L601171-02 MW-7C	Dissolved	Water	200.7	
240-241106-3	L601171-03 MW-7D	Dissolved	Water	200.7	
240-241106-4	L601171-04 MW-12	Dissolved	Water	200.7	
240-241106-5	L601171-05 MW-12B	Dissolved	Water	200.7	
240-241106-6	L601171-06 MW-18A	Dissolved	Water	200.7	
240-241106-7	L601171-07 MW-18B	Dissolved	Water	200.7	
240-241106-8	L601171-08 MW-18C	Dissolved	Water	200.7	
240-241106-9	L601171-09 MW-18D	Dissolved	Water	200.7	
240-241106-10	L601171-10 MW-19A	Dissolved	Water	200.7	
240-241106-11	L601171-11 MW-19B	Dissolved	Water	200.7	
240-241106-12	L601171-12 MW-19C	Dissolved	Water	200.7	
240-241106-13	L601171-13 MW-19D	Dissolved	Water	200.7	
240-241106-14	L601171-14 MWT-18A	Dissolved	Water	200.7	
240-241106-15	L601171-15 Field Blank	Dissolved	Water	200.7	
MB 350-12160/1-A	Method Blank	Total/NA	Water	200.7	
LCS 350-12160/2-A	Lab Control Sample	Total/NA	Water	200.7	
240-241106-14 MS	L601171-14 MWT-18A	Dissolved	Water	200.7	
240-241106-14 MSD	L601171-14 MWT-18A	Dissolved	Water	200.7	

Analysis Batch: 12193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-1	L601171-01 MW-5	Dissolved	Water	200.8	12160
240-241106-2	L601171-02 MW-7C	Dissolved	Water	200.8	12160
240-241106-3	L601171-03 MW-7D	Dissolved	Water	200.8	12160
240-241106-4	L601171-04 MW-12	Dissolved	Water	200.8	12160
240-241106-5	L601171-05 MW-12B	Dissolved	Water	200.8	12160
240-241106-6	L601171-06 MW-18A	Dissolved	Water	200.8	12160
240-241106-7	L601171-07 MW-18B	Dissolved	Water	200.8	12160
240-241106-8	L601171-08 MW-18C	Dissolved	Water	200.8	12160
240-241106-9	L601171-09 MW-18D	Dissolved	Water	200.8	12160
240-241106-10	L601171-10 MW-19A	Dissolved	Water	200.8	12160
240-241106-11	L601171-11 MW-19B	Dissolved	Water	200.8	12160
240-241106-12	L601171-12 MW-19C	Dissolved	Water	200.8	12160
240-241106-13	L601171-13 MW-19D	Dissolved	Water	200.8	12160
240-241106-14	L601171-14 MWT-18A	Dissolved	Water	200.8	12160
240-241106-15	L601171-15 Field Blank	Dissolved	Water	200.8	12160
MB 350-12160/1-A	Method Blank	Total/NA	Water	200.8	12160
LCS 350-12160/2-A	Lab Control Sample	Total/NA	Water	200.8	12160
240-241106-14 MS	L601171-14 MWT-18A	Dissolved	Water	200.8	12160
240-241106-14 MSD	L601171-14 MWT-18A	Dissolved	Water	200.8	12160

Analysis Batch: 12261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-1	L601171-01 MW-5	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-2	L601171-02 MW-7C	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-3	L601171-03 MW-7D	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-4	L601171-04 MW-12	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-5	L601171-05 MW-12B	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-6	L601171-06 MW-18A	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-7	L601171-07 MW-18B	Dissolved	Water	200.7 Rev 4.4	12160

Metals (Continued)

Analysis Batch: 12261 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-8	L601171-08 MW-18C	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-9	L601171-09 MW-18D	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-10	L601171-10 MW-19A	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-11	L601171-11 MW-19B	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-12	L601171-12 MW-19C	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-13	L601171-13 MW-19D	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-14	L601171-14 MWT-18A	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-15	L601171-15 Field Blank	Dissolved	Water	200.7 Rev 4.4	12160
MB 350-12160/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	12160
LCS 350-12160/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	12160
240-241106-14 MS	L601171-14 MWT-18A	Dissolved	Water	200.7 Rev 4.4	12160
240-241106-14 MSD	L601171-14 MWT-18A	Dissolved	Water	200.7 Rev 4.4	12160

Prep Batch: 687126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-1	L601171-01 MW-5	Dissolved	Water	200.8-1994 R5.4	
240-241106-2	L601171-02 MW-7C	Dissolved	Water	200.8-1994 R5.4	
240-241106-3	L601171-03 MW-7D	Dissolved	Water	200.8-1994 R5.4	
240-241106-4	L601171-04 MW-12	Dissolved	Water	200.8-1994 R5.4	
240-241106-5	L601171-05 MW-12B	Dissolved	Water	200.8-1994 R5.4	
240-241106-6	L601171-06 MW-18A	Dissolved	Water	200.8-1994 R5.4	
240-241106-7	L601171-07 MW-18B	Dissolved	Water	200.8-1994 R5.4	
240-241106-8	L601171-08 MW-18C	Dissolved	Water	200.8-1994 R5.4	
240-241106-9	L601171-09 MW-18D	Dissolved	Water	200.8-1994 R5.4	
240-241106-10	L601171-10 MW-19A	Dissolved	Water	200.8-1994 R5.4	
240-241106-11	L601171-11 MW-19B	Dissolved	Water	200.8-1994 R5.4	
240-241106-12	L601171-12 MW-19C	Dissolved	Water	200.8-1994 R5.4	
240-241106-13	L601171-13 MW-19D	Dissolved	Water	200.8-1994 R5.4	
240-241106-14	L601171-14 MWT-18A	Dissolved	Water	200.8-1994 R5.4	
240-241106-15	L601171-15 Field Blank	Dissolved	Water	200.8-1994 R5.4	
MB 240-687126/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-687126/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	

Analysis Batch: 687293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-1	L601171-01 MW-5	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-2	L601171-02 MW-7C	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-3	L601171-03 MW-7D	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-4	L601171-04 MW-12	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-5	L601171-05 MW-12B	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-6	L601171-06 MW-18A	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-7	L601171-07 MW-18B	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-8	L601171-08 MW-18C	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-9	L601171-09 MW-18D	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-10	L601171-10 MW-19A	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-11	L601171-11 MW-19B	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-12	L601171-12 MW-19C	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-13	L601171-13 MW-19D	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-14	L601171-14 MWT-18A	Dissolved	Water	200.8-1994 R5.4	687126
240-241106-15	L601171-15 Field Blank	Dissolved	Water	200.8-1994 R5.4	687126
MB 240-687126/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	687126

Metals (Continued)

Analysis Batch: 687293 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-687126/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	687126

General Chemistry

Analysis Batch: 13134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-1	L601171-01 MW-5	Total/NA	Water	SM 4500 NO2 B	
240-241106-2	L601171-02 MW-7C	Total/NA	Water	SM 4500 NO2 B	
240-241106-3	L601171-03 MW-7D	Total/NA	Water	SM 4500 NO2 B	
240-241106-4	L601171-04 MW-12	Total/NA	Water	SM 4500 NO2 B	
240-241106-5	L601171-05 MW-12B	Total/NA	Water	SM 4500 NO2 B	
240-241106-6	L601171-06 MW-18A	Total/NA	Water	SM 4500 NO2 B	
240-241106-7	L601171-07 MW-18B	Total/NA	Water	SM 4500 NO2 B	
240-241106-8	L601171-08 MW-18C	Total/NA	Water	SM 4500 NO2 B	
240-241106-9	L601171-09 MW-18D	Total/NA	Water	SM 4500 NO2 B	
240-241106-10	L601171-10 MW-19A	Total/NA	Water	SM 4500 NO2 B	
240-241106-11	L601171-11 MW-19B	Total/NA	Water	SM 4500 NO2 B	
240-241106-12	L601171-12 MW-19C	Total/NA	Water	SM 4500 NO2 B	
240-241106-13	L601171-13 MW-19D	Total/NA	Water	SM 4500 NO2 B	
240-241106-14	L601171-14 MWT-18A	Total/NA	Water	SM 4500 NO2 B	
240-241106-15	L601171-15 Field Blank	Total/NA	Water	SM 4500 NO2 B	
MB 190-13134/4	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 190-13134/3	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
240-241106-1 MS	L601171-01 MW-5	Total/NA	Water	SM 4500 NO2 B	
240-241106-1 MSD	L601171-01 MW-5	Total/NA	Water	SM 4500 NO2 B	
240-241106-8 MS	L601171-08 MW-18C	Total/NA	Water	SM 4500 NO2 B	
240-241106-8 MSD	L601171-08 MW-18C	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 13136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-4	L601171-04 MW-12	Total/NA	Water	SM4500 NO3 D	
240-241106-5	L601171-05 MW-12B	Total/NA	Water	SM4500 NO3 D	
240-241106-6	L601171-06 MW-18A	Total/NA	Water	SM4500 NO3 D	
240-241106-7	L601171-07 MW-18B	Total/NA	Water	SM4500 NO3 D	
240-241106-8	L601171-08 MW-18C	Total/NA	Water	SM4500 NO3 D	
240-241106-13	L601171-13 MW-19D	Total/NA	Water	SM4500 NO3 D	
240-241106-14	L601171-14 MWT-18A	Total/NA	Water	SM4500 NO3 D	
240-241106-15	L601171-15 Field Blank	Total/NA	Water	SM4500 NO3 D	
MB 190-13136/3	Method Blank	Total/NA	Water	SM4500 NO3 D	
LCS 190-13136/4	Lab Control Sample	Total/NA	Water	SM4500 NO3 D	
240-241106-8 MS	L601171-08 MW-18C	Total/NA	Water	SM4500 NO3 D	
240-241106-8 MSD	L601171-08 MW-18C	Total/NA	Water	SM4500 NO3 D	

Analysis Batch: 682917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-2	L601171-02 MW-7C	Total/NA	Water	SM 4500 S2 D	
240-241106-5	L601171-05 MW-12B	Total/NA	Water	SM 4500 S2 D	
240-241106-6	L601171-06 MW-18A	Total/NA	Water	SM 4500 S2 D	
240-241106-7	L601171-07 MW-18B	Total/NA	Water	SM 4500 S2 D	
240-241106-8	L601171-08 MW-18C	Total/NA	Water	SM 4500 S2 D	
240-241106-9	L601171-09 MW-18D	Total/NA	Water	SM 4500 S2 D	

General Chemistry (Continued)

Analysis Batch: 682917 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-10	L601171-10 MW-19A	Total/NA	Water	SM 4500 S2 D	
240-241106-12	L601171-12 MW-19C	Total/NA	Water	SM 4500 S2 D	
240-241106-13	L601171-13 MW-19D	Total/NA	Water	SM 4500 S2 D	
240-241106-14	L601171-14 MWT-18A	Total/NA	Water	SM 4500 S2 D	
240-241106-15	L601171-15 Field Blank	Total/NA	Water	SM 4500 S2 D	
MB 570-682917/6	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 570-682917/8	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 570-682917/10	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 570-682917/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
240-241106-2 MS	L601171-02 MW-7C	Total/NA	Water	SM 4500 S2 D	
240-241106-2 MSD	L601171-02 MW-7C	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 685370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-1	L601171-01 MW-5	Total/NA	Water	SM 4500 S2 D	
240-241106-3	L601171-03 MW-7D	Total/NA	Water	SM 4500 S2 D	
240-241106-4	L601171-04 MW-12	Total/NA	Water	SM 4500 S2 D	
240-241106-11	L601171-11 MW-19B	Total/NA	Water	SM 4500 S2 D	
MB 570-685370/6	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 570-685370/8	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 570-685370/10	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 570-685370/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 686981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-1	L601171-01 MW-5	Total/NA	Water	300.0-1993 R2.1	
240-241106-2	L601171-02 MW-7C	Total/NA	Water	300.0-1993 R2.1	
240-241106-3	L601171-03 MW-7D	Total/NA	Water	300.0-1993 R2.1	
240-241106-9	L601171-09 MW-18D	Total/NA	Water	300.0-1993 R2.1	
240-241106-10	L601171-10 MW-19A	Total/NA	Water	300.0-1993 R2.1	
240-241106-11	L601171-11 MW-19B	Total/NA	Water	300.0-1993 R2.1	
240-241106-12	L601171-12 MW-19C	Total/NA	Water	300.0-1993 R2.1	
MB 240-686981/3	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 240-686981/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
240-241106-12 MS	L601171-12 MW-19C	Total/NA	Water	300.0-1993 R2.1	
240-241106-12 MSD	L601171-12 MW-19C	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 687490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-1	L601171-01 MW-5	Total/NA	Water	5310 C-2014	
240-241106-2	L601171-02 MW-7C	Total/NA	Water	5310 C-2014	
240-241106-3	L601171-03 MW-7D	Total/NA	Water	5310 C-2014	
240-241106-4	L601171-04 MW-12	Total/NA	Water	5310 C-2014	
240-241106-5	L601171-05 MW-12B	Total/NA	Water	5310 C-2014	
240-241106-6	L601171-06 MW-18A	Total/NA	Water	5310 C-2014	
240-241106-7	L601171-07 MW-18B	Total/NA	Water	5310 C-2014	
240-241106-8	L601171-08 MW-18C	Total/NA	Water	5310 C-2014	
240-241106-9	L601171-09 MW-18D	Total/NA	Water	5310 C-2014	
240-241106-10	L601171-10 MW-19A	Total/NA	Water	5310 C-2014	
240-241106-11	L601171-11 MW-19B	Total/NA	Water	5310 C-2014	
240-241106-12	L601171-12 MW-19C	Total/NA	Water	5310 C-2014	

General Chemistry (Continued)

Analysis Batch: 687490 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-13	L601171-13 MW-19D	Total/NA	Water	5310 C-2014	
240-241106-14	L601171-14 MWT-18A	Total/NA	Water	5310 C-2014	
MB 240-687490/38	Method Blank	Total/NA	Water	5310 C-2014	
MB 240-687490/5	Method Blank	Total/NA	Water	5310 C-2014	
LCS 240-687490/21	Lab Control Sample	Total/NA	Water	5310 C-2014	
LCS 240-687490/39	Lab Control Sample	Total/NA	Water	5310 C-2014	
LCS 240-687490/54	Lab Control Sample	Total/NA	Water	5310 C-2014	

Analysis Batch: 687573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241106-15	L601171-15 Field Blank	Total/NA	Water	5310 C-2014	
MB 240-687573/5	Method Blank	Total/NA	Water	5310 C-2014	
LCS 240-687573/21	Lab Control Sample	Total/NA	Water	5310 C-2014	

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601171-01 MW-5
Lab Sample ID: 240-241106-1
Date Collected: 01/07/26 17:40
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 20:21
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:15
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 21:33
Total/NA	Analysis	300.0-1993 R2.1		1	686981	JWW	EET CLE	01/09/26 12:51
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 03:59
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 14:15
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:50

Client Sample ID: L601171-02 MW-7C
Lab Sample ID: 240-241106-2
Date Collected: 01/07/26 16:55
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 20:31
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:18
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 21:36
Total/NA	Analysis	300.0-1993 R2.1		1	686981	JWW	EET CLE	01/09/26 13:08
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 04:22
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 14:14
Total/NA	Analysis	SM 4500 S2 D		1	682917	GG0B	EET CAL 4	01/14/26 19:18

Client Sample ID: L601171-03 MW-7D
Lab Sample ID: 240-241106-3
Date Collected: 01/07/26 15:48
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 20:54
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:40
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 21:39
Total/NA	Analysis	300.0-1993 R2.1		1	686981	JWW	EET CLE	01/09/26 13:24
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 04:45
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 14:12
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:52

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601171-04 MW-12
Lab Sample ID: 240-241106-4
Date Collected: 01/07/26 10:20
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 20:34
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:21
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 21:41
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 05:07
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 13:49
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:56
Total/NA	Analysis	SM4500 NO3 D		1	13136	JED	EET MI	01/08/26 17:49

Client Sample ID: L601171-05 MW-12B
Lab Sample ID: 240-241106-5
Date Collected: 01/07/26 09:55
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 20:57
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:49
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 21:44
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 08:13
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 13:48
Total/NA	Analysis	SM 4500 S2 D		1	682917	GG0B	EET CAL 4	01/14/26 19:24
Total/NA	Analysis	SM4500 NO3 D		1	13136	JED	EET MI	01/08/26 17:26

Client Sample ID: L601171-06 MW-18A
Lab Sample ID: 240-241106-6
Date Collected: 01/07/26 10:59
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 21:01
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:51
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 21:52
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 08:35
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 13:50
Total/NA	Analysis	SM 4500 S2 D		1	682917	GG0B	EET CAL 4	01/14/26 19:26
Total/NA	Analysis	SM4500 NO3 D		1	13136	JED	EET MI	01/08/26 18:04

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601171-07 MW-18B
Lab Sample ID: 240-241106-7
Date Collected: 01/07/26 12:15
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 20:38
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:23
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 21:55
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 08:58
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 13:47
Total/NA	Analysis	SM 4500 S2 D		1	682917	GG0B	EET CAL 4	01/14/26 19:28
Total/NA	Analysis	SM4500 NO3 D		1	13136	JED	EET MI	01/08/26 17:20

Client Sample ID: L601171-08 MW-18C
Lab Sample ID: 240-241106-8
Date Collected: 01/07/26 13:23
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 21:11
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:54
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 21:58
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 09:20
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 14:13
Total/NA	Analysis	SM 4500 S2 D		1	682917	GG0B	EET CAL 4	01/14/26 19:30
Total/NA	Analysis	SM4500 NO3 D		1	13136	JED	EET MI	01/08/26 19:23

Client Sample ID: L601171-09 MW-18D
Lab Sample ID: 240-241106-9
Date Collected: 01/07/26 14:30
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 21:14
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:57
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 22:01
Total/NA	Analysis	300.0-1993 R2.1		1	686981	JWW	EET CLE	01/09/26 13:49
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 09:43
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 14:11
Total/NA	Analysis	SM 4500 S2 D		1	682917	GG0B	EET CAL 4	01/14/26 19:32

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601171-10 MW-19A
Lab Sample ID: 240-241106-10
Date Collected: 01/07/26 15:55
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 20:41
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:26
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 22:04
Total/NA	Analysis	300.0-1993 R2.1		1	686981	JWW	EET CLE	01/09/26 14:05
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 10:54
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 14:14
Total/NA	Analysis	SM 4500 S2 D		1	682917	GG0B	EET CAL 4	01/14/26 19:34

Client Sample ID: L601171-11 MW-19B
Lab Sample ID: 240-241106-11
Date Collected: 01/07/26 15:00
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 21:18
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 18:00
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 22:06
Total/NA	Analysis	300.0-1993 R2.1		1	686981	JWW	EET CLE	01/09/26 14:21
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 11:17
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 14:12
Total/NA	Analysis	SM 4500 S2 D		1	685370	GG0B	EET CAL 4	01/21/26 19:54

Client Sample ID: L601171-12 MW-19C
Lab Sample ID: 240-241106-12
Date Collected: 01/07/26 13:35
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 20:44
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:29
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 22:09
Total/NA	Analysis	300.0-1993 R2.1		1	686981	JWW	EET CLE	01/09/26 12:27
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 11:40
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 14:11
Total/NA	Analysis	SM 4500 S2 D		1	682917	GG0B	EET CAL 4	01/14/26 19:36

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601171-13 MW-19D
Lab Sample ID: 240-241106-13
Date Collected: 01/07/26 12:10
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 20:47
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:32
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 22:12
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 12:03
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 14:13
Total/NA	Analysis	SM 4500 S2 D		1	682917	GG0B	EET CAL 4	01/14/26 19:38
Total/NA	Analysis	SM4500 NO3 D		1	13136	JED	EET MI	01/08/26 19:15

Client Sample ID: L601171-14 MWT-18A
Lab Sample ID: 240-241106-14
Date Collected: 01/07/26 10:59
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 21:21
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 18:03
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 22:15
Total/NA	Analysis	5310 C-2014		1	687490	JWW	EET CLE	01/14/26 13:56
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 13:49
Total/NA	Analysis	SM 4500 S2 D		1	682917	GG0B	EET CAL 4	01/14/26 19:40
Total/NA	Analysis	SM4500 NO3 D		1	13136	JED	EET MI	01/08/26 17:56

Client Sample ID: L601171-15 Field Blank
Lab Sample ID: 240-241106-15
Date Collected: 01/07/26 07:45
Matrix: Water
Date Received: 01/08/26 10:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.7 Rev 4.4		1	12261	JLS	EET SSM	01/16/26 20:51
Dissolved	Prep	200.7			12160		EET SSM	01/13/26 15:20
Dissolved	Analysis	200.8		1	12193	JL	EET SSM	01/14/26 17:35
Dissolved	Prep	200.8-1994 R5.4			687126	F3PF	EET CLE	01/12/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687293	RKT	EET CLE	01/13/26 22:18
Total/NA	Analysis	5310 C-2014		1	687573	PQD2	EET CLE	01/15/26 03:29
Total/NA	Analysis	SM 4500 NO2 B		1	13134	LF3F	EET MI	01/08/26 13:43
Total/NA	Analysis	SM 4500 S2 D		1	682917	GG0B	EET CAL 4	01/14/26 19:44
Total/NA	Analysis	SM4500 NO3 D		1	13136	JED	EET MI	01/08/26 17:01

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Job ID: 240-241106-1
Project/Site: Erickson Project - MNA Tier II Geochem

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-26

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26
California	State	3082	03-04-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	02-24-26
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	03-24-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	02-11-26

Laboratory: Eurofins Michigan

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Michigan	State	9180	08-07-28

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
Arizona	State	AZ0854	01-13-27
California	State	2954	01-19-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	06-30-26
Maine	State	WA01273	01-19-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	01-19-26
Oregon	NELAP	4167	03-01-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-25-24-59583A1	01-24-28
Washington	State	C788	07-13-26
Wisconsin	State	399133460	08-31-26

Chain of Custody

2.2
2A

eurofins | Environment Testing

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Project Manager:
Howell, Leslie

Purchase Order:
Purchase Order not required

Project Reference:

Work Order:

Sampler:
Marc Wahrer and Franklin Davis Ray

Requested TAT:

Description:
Erickson Project - MNA Tier II Geochem

Project Number:
24034575

Site Name:
Erickson Projects

Sample State: MI

Special Instructions:
All samples for dissolved metals were filtered in field.

Out Spec Met
Rpd
out Calsi
Cal

240-241106 COC

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	5310C TOC [240]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	SM4500_NO2_B Nitrite [190]	SM4500_NO3_D Nitrate [190]	SM4500_S2_D Total Sulfide [ROU]	Plastic 250ml - unpreserved	Plastic 250ml - with Zinc Acetate & NaOH	Voa Vial 40ml - with Sulfuric Acid	Plastic 500ml - w/ Nitric - Dis.	Plastic 500ml - unpreserved	Total Bottles For Sample
1	L601171-01 MW-5	Grab	Water	01/07/26 17:40				X	X	X	X	X	1	1	3	1	1	7
2	L601171-02 MW-7C	Grab	Water	01/07/26 16:55				X	X	X	X	X	1	1	3	1	1	7
3	L601171-03 MW-7D	Grab	Water	01/07/26 15:48				X	X	X	X	X	1	1	3	1	1	7
4	L601171-04 MW-12	Grab	Water	01/07/26 10:20				X	X	X	X	X	1	1	3	1	1	7
5	L601171-05 MW-12B	Grab	Water	01/07/26 09:55				X	X	X	X	X	1	1	3	1	1	7
6	L601171-06 MW-18A	Grab	Water	01/07/26 10:59				X	X	X	X	X	1	1	3	1	1	7
7	L601171-07 MW-18B	Grab	Water	01/07/26 12:15				X	X	X	X	X	1	1	3	1	1	7
8	L601171-08 MW-18C	Grab	Water	01/07/26 13:23				X	X	X	X	X	1	1	3	1	1	7
9	L601171-09 MW-18D	Grab	Water	01/07/26 14:30				X	X	X	X	X	1	1	3	1	1	7
10	L601171-10 MW-19A	Grab	Water	01/07/26 15:55				X	X	X	X	X	1	1	3	1	1	7
11	L601171-11 MW-19B	Grab	Water	01/07/26 15:00				X	X	X	X	X	1	1	3	1	1	7
12	L601171-12 MW-19C	Grab	Water	01/07/26 13:35				X	X	X	X	X	1	1	3	1	1	7

Chain of Custody Number: **447596**

*H – Analysis on hold.

Chain of Custody

eurofins | Environment Testing

Contains Rush Work. ☐ Contains Methods That May Expire Soon. ☐

Client Contact Info

Name:
Jennifer Caporale

Address
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Project Manager
Howell, Leslie

Purchase Order
Purchase Order not required

Project Reference:

Work Order

Sampler
Marc Wahrer and Franklin Davis Ray

Requested TAT

Description.
Erickson Project MNA Tier II Geochem

Project Number
24034575

Site Name:
Erickson Projects

Sample State: MI

Special Instructions:
All samples for dissolved metals were filtered in field.

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	5310C TOC [240]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	SM4500_NO2_B Nitrite [190]	SM4500_NO3_D Nitrate [190]	SM4500_S2_D Total Sulfide [ROU]	Plastic 250ml unpreserved	Plastic 250ml with Zinc Acetate & NaOH	Voa Vial 40ml with Sulfuric Acid	Plastic 500ml w/ Nitric Dis.	Plastic 500ml unpreserved	Total Bottles For Sample
13	L601171-13 MW-19D	Grab	Water	01/07/26 12:10				X	X	X	X	X	1	1	3	1	1	7
14	L601171-14 MWT-18A	Grab	Water	01/07/26 10:59				X	X	X	X	X	1	1	3	1	1	7
15	f	Grab	Water	01/07/26 07:45				X	X	X	X	X	1	1	3	1	1	7

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By	Date/Time:	Samples Relinquished To:	Date/Time:
Jennifer Caporale	01/08/26 09:39	Michigan - Waypoint courier Jennifer Caporale	01/08/26 09:39

EC 1/9/26 0800

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260108A001								
MIC20260108A002								
MIC20260108A002								

Chain of Custody Number **447596**

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client Lansing Water + Light Site Name _____ Cooler unpacked by:

Cooler Received on 1/9/26 Opened on 1/9/26

FedEx 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 17 (CF +0.7 °C) Observed Cooler Temp. 2.2 °C Corrected Cooler Temp. 2.9 °C (NC)

2.	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No
	-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
	-Were tamper/custody seals intact and uncompromised?	(Yes) No NA
3	Shippers' packing slip attached to the cooler(s)?	(Yes) No
4	Did custody papers accompany the sample(s)?	(Yes) No
5	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No
7	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y) (Y) (Y)
10	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
11	Sufficient quantity received to perform indicated analyses?	(Yes) No
12	Are these work share samples and all listed on the COC?	Yes (No)
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA (Y) pH Strip Lot# HC567196
14	Were VOAs on the COC?	(Yes) No
15	Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this	Yes (No) NA
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes (No)
17	Was a LL Hg or Me Hg trip blank present? _____	Yes (No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:

Labels Verified by

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 17	2.2	2.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	4.5	5.2	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	1.5	2.2	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	

1/9/2026

Login Container Summary Report

240-241106

4/7/2026 (Rev. 1)

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L601171-01 MW-5	240-241106-A-1	Plastic 250ml - unpreserved				
L601171-01 MW-5	240-241106-B-1	Voa Vial 40ml - with Sulfuric Acid				
L601171-01 MW-5	240-241106-C-1	Voa Vial 40ml - with Sulfuric Acid				
L601171-01 MW-5	240-241106-D-1	Voa Vial 40ml - with Sulfuric Acid				
L601171-01 MW-5	240-241106-E-1	Plastic 500ml - with Zn Acetate	>9			
L601171-01 MW-5	240-241106-F-1	Plastic 500ml - w/ Nitric - Dis	<2			
L601171-01 MW-5	240-241106-G-1	Plastic 250ml - w/nitric - dis	<2			
L601171-01 MW-5	240-241106-H-1	Plastic 500ml - unpreserved				
L601171-02 MW-7C	240-241106-A-2	Plastic 250ml - unpreserved				
L601171-02 MW-7C	240-241106-B-2	Voa Vial 40ml - with Sulfuric Acid				
L601171-02 MW-7C	240-241106-C-2	Voa Vial 40ml - with Sulfuric Acid				
L601171-02 MW-7C	240-241106-D-2	Voa Vial 40ml - with Sulfuric Acid				
L601171-02 MW-7C	240-241106-E-2	Plastic 500ml - with Zn Acetate	>9			
L601171-02 MW-7C	240-241106-F-2	Plastic 500ml - w/ Nitric - Dis.	<2			
L601171-02 MW-7C	240-241106-G-2	Plastic 250ml - w/nitric - dis	<2			
L601171-02 MW-7C	240-241106-H-2	Plastic 500ml - unpreserved				
L601171-03 MW-7D	240-241106-A-3	Plastic 250ml - unpreserved				
L601171-03 MW-7D	240-241106-B-3	Voa Vial 40ml - with Sulfuric Acid				
L601171-03 MW-7D	240-241106-C-3	Voa Vial 40ml - with Sulfuric Acid				
L601171-03 MW-7D	240-241106-D-3	Voa Vial 40ml - with Sulfuric Acid				
L601171-03 MW-7D	240-241106-E-3	Plastic 500ml - with Zn Acetate	>9			
L601171-03 MW-7D	240-241106-F-3	Plastic 500ml - w/ Nitric - Dis	<2			
L601171-03 MW-7D	240-241106-G-3	Plastic 250ml - w/nitric - dis	<2			
L601171-03 MW-7D	240-241106-H-3	Plastic 500ml - unpreserved				
L601171-04 MW-12	240-241106-A-4	Plastic 250ml - unpreserved				
L601171-04 MW-12	240-241106-B-4	Voa Vial 40ml - with Sulfuric Acid				
L601171-04 MW-12	240-241106-C-4	Voa Vial 40ml - with Sulfuric Acid				
L601171-04 MW-12	240-241106-D-4	Voa Vial 40ml - with Sulfuric Acid				
L601171-04 MW-12	240-241106-E-4	Plastic 500ml - with Zn Acetate	>9			
L601171-04 MW-12	240-241106-F-4	Plastic 500ml - w/ Nitric - Dis	<2			
L601171-04 MW-12	240-241106-G-4	Plastic 250ml - w/nitric - dis	<2			
L601171-04 MW-12	240-241106-H-4	Plastic 500ml - unpreserved				
L601171-05 MW-12B	240-241106-A-5	Plastic 250ml - unpreserved				
L601171-05 MW-12B	240-241106-B-5	Voa Vial 40ml - with Sulfuric Acid				
L601171-05 MW-12B	240-241106-C-5	Voa Vial 40ml - with Sulfuric Acid				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L601171-05 MW-12B	240-241106-D-5	Voa Vial 40ml - with Sulfuric Acid				
L601171-05 MW-12B	240-241106-E-5	Plastic 500ml - with Zn Acetate	>9			
L601171-05 MW-12B	240-241106-F-5	Plastic 500ml - w/ Nitric - Dis	<2			
L601171-05 MW-12B	240-241106-G-5	Plastic 250ml - w/nitric - dis	<2			
L601171-05 MW-12B	240-241106-H-5	Plastic 500ml - unpreserved				
L601171-06 MW-18A	240-241106-A-6	Plastic 250ml - unpreserved				
L601171-06 MW-18A	240-241106-B-6	Voa Vial 40ml - with Sulfuric Acid				
L601171-06 MW-18A	240-241106-C-6	Voa Vial 40ml - with Sulfuric Acid				
L601171-06 MW-18A	240-241106-D-6	Voa Vial 40ml - with Sulfuric Acid				
L601171-06 MW-18A	240-241106-E-6	Plastic 500ml - with Zn Acetate	>9			
L601171-06 MW-18A	240-241106-F-6	Plastic 500ml - w/ Nitric - Dis	<2			
L601171-06 MW-18A	240-241106-G-6	Plastic 250ml - w/nitric - dis	<2			
L601171-06 MW-18A	240-241106-H-6	Plastic 500ml - unpreserved				
L601171-07 MW-18B	240-241106-A-7	Plastic 250ml - unpreserved				
L601171-07 MW-18B	240-241106-B-7	Voa Vial 40ml - with Sulfuric Acid				
L601171-07 MW-18B	240-241106-C-7	Voa Vial 40ml - with Sulfuric Acid				
L601171-07 MW-18B	240-241106-D-7	Voa Vial 40ml - with Sulfuric Acid				
L601171-07 MW-18B	240-241106-E-7	Plastic 500ml - with Zn Acetate	>9			
L601171-07 MW-18B	240-241106-F-7	Plastic 500ml - w/ Nitric - Dis	<2			
L601171-07 MW-18B	240-241106-G-7	Plastic 250ml - w/nitric - dis	<2			
L601171-07 MW-18B	240-241106-H-7	Plastic 500ml - unpreserved				
L601171-08 MW-18C	240-241106-A-8	Plastic 250ml - unpreserved				
L601171-08 MW-18C	240-241106-B-8	Voa Vial 40ml - with Sulfuric Acid				
L601171-08 MW-18C	240-241106-C-8	Voa Vial 40ml - with Sulfuric Acid				
L601171-08 MW-18C	240-241106-D-8	Voa Vial 40ml - with Sulfuric Acid				
L601171-08 MW-18C	240-241106-E-8	Plastic 500ml - with Zn Acetate	>9			
L601171-08 MW-18C	240-241106-F-8	Plastic 500ml - w/ Nitric - Dis.	<2			
L601171-08 MW-18C	240-241106-G-8	Plastic 250ml - w/nitric - dis	<2			
L601171-08 MW-18C	240-241106-H-8	Plastic 500ml - unpreserved				
L601171-09 MW-18D	240-241106-A-9	Plastic 250ml - unpreserved				
L601171-09 MW-18D	240-241106-B-9	Voa Vial 40ml - with Sulfuric Acid				
L601171-09 MW-18D	240-241106-C-9	Voa Vial 40ml - with Sulfuric Acid				
L601171-09 MW-18D	240-241106-D-9	Voa Vial 40ml - with Sulfuric Acid				
L601171-09 MW-18D	240-241106-E-9	Plastic 500ml - with Zn Acetate	>9			
L601171-09 MW-18D	240-241106-F-9	Plastic 500ml - w/ Nitric - Dis.	<2			
L601171-09 MW-18D	240-241106-G-9	Plastic 250ml - w/nitric - dis	<2			
L601171-09 MW-18D	240-241106-H-9	Plastic 500ml - unpreserved				
L601171-10 MW-19A	240-241106-A-10	Plastic 250ml - unpreserved				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L601171-10 MW-19A	240-241106-B-10	Voa Vial 40ml - with Sulfuric Acid				
L601171-10 MW-19A	240-241106-C-10	Voa Vial 40ml - with Sulfuric Acid				
L601171-10 MW-19A	240-241106-D-10	Voa Vial 40ml - with Sulfuric Acid				
L601171-10 MW-19A	240-241106-E-10	Plastic 500ml - with Zn Acetate	>9			
L601171-10 MW-19A	240-241106-F-10	Plastic 500ml - w/ Nitric - Dis.	<2			
L601171-10 MW-19A	240-241106-G-10	Plastic 250ml - w/nitric - dis	<2			
L601171-10 MW-19A	240-241106-H-10	Plastic 500ml - unpreserved				
L601171-11 MW-19B	240-241106-A-11	Plastic 250ml - unpreserved				
L601171-11 MW-19B	240-241106-B-11	Voa Vial 40ml - with Sulfuric Acid				
L601171-11 MW-19B	240-241106-C-11	Voa Vial 40ml - with Sulfuric Acid				
L601171-11 MW-19B	240-241106-D-11	Voa Vial 40ml - with Sulfuric Acid				
L601171-11 MW-19B	240-241106-E-11	Plastic 500ml - with Zn Acetate	>9			
L601171-11 MW-19B	240-241106-F-11	Plastic 500ml - w/ Nitric - Dis	<2			
L601171-11 MW-19B	240-241106-G-11	Plastic 250ml - w/nitric - dis	<2			
L601171-11 MW-19B	240-241106-H-11	Plastic 500ml - unpreserved				
L601171-12 MW-19C	240-241106-A-12	Plastic 250ml - unpreserved				
L601171-12 MW-19C	240-241106-B-12	Voa Vial 40ml - with Sulfuric Acid				
L601171-12 MW-19C	240-241106-C-12	Voa Vial 40ml - with Sulfuric Acid				
L601171-12 MW-19C	240-241106-D-12	Voa Vial 40ml - with Sulfuric Acid				
L601171-12 MW-19C	240-241106-E-12	Plastic 500ml - with Zn Acetate	>9			
L601171-12 MW-19C	240-241106-F-12	Plastic 500ml - w/ Nitric - Dis	<2			
L601171-12 MW-19C	240-241106-G-12	Plastic 250ml - w/nitric - dis	<2			
L601171-12 MW-19C	240-241106-H-12	Plastic 500ml - unpreserved				
L601171-13 MW-19D	240-241106-A-13	Plastic 250ml - unpreserved				
L601171-13 MW-19D	240-241106-B-13	Voa Vial 40ml - with Sulfuric Acid				
L601171-13 MW-19D	240-241106-C-13	Voa Vial 40ml - with Sulfuric Acid				
L601171-13 MW-19D	240-241106-D-13	Voa Vial 40ml - with Sulfuric Acid				
L601171-13 MW-19D	240-241106-E-13	Plastic 500ml - with Zn Acetate	>9			
L601171-13 MW-19D	240-241106-F-13	Plastic 500ml - w/ Nitric - Dis.	<2			
L601171-13 MW-19D	240-241106-G-13	Plastic 250ml - w/nitric - dis	<2			
L601171-13 MW-19D	240-241106-H-13	Plastic 500ml - unpreserved				
L601171-14 MWT-18A	240-241106-A-14	Plastic 250ml - unpreserved				
L601171-14 MWT-18A	240-241106-B-14	Voa Vial 40ml - with Sulfuric Acid				
L601171-14 MWT-18A	240-241106-C-14	Voa Vial 40ml - with Sulfuric Acid				
L601171-14 MWT-18A	240-241106-D-14	Voa Vial 40ml - with Sulfuric Acid				
L601171-14 MWT-18A	240-241106-E-14	Plastic 500ml - with Zn Acetate	>9			
L601171-14 MWT-18A	240-241106-F-14	Plastic 500ml - w/ Nitric - Dis	<2			
L601171-14 MWT-18A	240-241106-G-14	Plastic 250ml - w/nitric - dis	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L601171-14 MWT-18A	240-241106-H-14	Plastic 500ml - unpreserved				
L601171-15 Field Blank	240-241106-A-15	Plastic 250ml - unpreserved				
L601171-15 Field Blank	240-241106-B-15	Voa Vial 40ml - with Sulfuric Acid				
L601171-15 Field Blank	240-241106-C-15	Voa Vial 40ml - with Sulfuric Acid				
L601171-15 Field Blank	240-241106-D-15	Voa Vial 40ml - with Sulfuric Acid				
L601171-15 Field Blank	240-241106-E-15	Plastic 500ml - with Zn Acetate	>9			
L601171-15 Field Blank	240-241106-F-15	Plastic 500ml - w/ Nitric - Dis.	<2			
L601171-15 Field Blank	240-241106-G-15	Plastic 250ml - w/nitric - dis	<2			
L601171-15 Field Blank	240-241106-H-15	Plastic 500ml - unpreserved				

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Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213077.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-241106-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/21/2026			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project - MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Therm. ID: SC04 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 10.7 / 11.0 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: N Packing: B
Other: N/A M2 Red

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRDDissolved Boron	Total Number of co	Special Instructions/Note:
			Preservation Code:							
L601171-12 MW-19C (240-241106-12)	1/7/26	13:35 Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification 4896 1531 0557 *Unconfirmed*	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 1/12/26 1600	Company EC	Received by:	Date/Time: 1/13/26 9:45	Company EST	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

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Barberton, OH 44203
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Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213073.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-241106-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/21/2026			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project - MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Therm. ID: SC04 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 10.7 / 11.0 °C
Delivery: UPS / (FedEx) / Other: ____
Ice Type: Blue / Dry / Wet / (None) Packing: B
Label Ver.: √ Packing: ____

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRDDissolved Boron	Total Number of con	Special Instructions/Note:
			Preservation Code:							
L601171-01 MW-5 (240-241106-1)	1/7/26	17:40 Eastern	G	Water			X	X	1	
L601171-02 MW-7C (240-241106-2)	1/7/26	16:55 Eastern	G	Water			X	X	1	
L601171-03 MW-7D (240-241106-3)	1/7/26	15:48 Eastern	G	Water			X	X	1	
L601171-04 MW-12 (240-241106-4)	1/7/26	10:20 Eastern	G	Water			X	X	1	
L601171-05 MW-12B (240-241106-5)	1/7/26	09:55 Eastern	G	Water			X	X	1	
L601171-06 MW-18A (240-241106-6)	1/7/26	10:59 Eastern	G	Water			X	X	1	
L601171-07 MW-18B (240-241106-7)	1/7/26	12:15 Eastern	G	Water			X	X	1	
L601171-08 MW-18C (240-241106-8)	1/7/26	13:23 Eastern	G	Water			X	X	1	
L601171-09 MW-18D (240-241106-9)	1/7/26	14:30 Eastern	G	Water			X	X	1	

Other: N/A Mel Rad

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification Unconfirmed 4896 1531 0957	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 1/12/26 1600	Company GT	Received by:	Date/Time: 1/13/26 9:45	Company FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

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Barberton, OH 44203
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Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213073.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-241106-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/21/2026			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project - MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRDDissolved Boron	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
L601171-10 MW-19A (240-241106-10)	1/7/26	15:55 Eastern	G	Water			X	X	2	
L601171-11 MW-19B (240-241106-11)	1/7/26	15:00 Eastern	G	Water			X	X	2	
L601171-13 MW-19D (240-241106-13)	1/7/26	12:10 Eastern	G	Water			X	X	2	
L601171-14 MWT-18A (240-241106-14)	1/7/26	10:59 Eastern	G	Water			X	X	2	
L601171-15 Field Blank (240-241106-15)	1/7/26	07:45 Eastern	G	Water			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 1/12/26 1600	Company EC	Received by:	Date/Time: 1/13/26 9:48	Company ET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

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Barberton, OH 44203
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Chain of Custody Record

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Loc: 240
241106

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213071.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-241106-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 1/21/2026			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project - MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

240-241106 Chain of Custody

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_S2_DTotal Sulfide	Total Number of contai	Special Instructions/Note:
			Preservation Code:						
L601171-01 MW-5 (240-241106-1)	1/7/26	17:40 Eastern	G	Water			X	1	
L601171-02 MW-7C (240-241106-2)	1/7/26	16:55 Eastern	G	Water			X	1	
L601171-03 MW-7D (240-241106-3)	1/7/26	15:48 Eastern	G	Water			X	1	
L601171-04 MW-12 (240-241106-4)	1/7/26	10:20 Eastern	G	Water			X	1	
L601171-05 MW-12B (240-241106-5)	1/7/26	09:55 Eastern	G	Water			X	1	
L601171-06 MW-18A (240-241106-6)	1/7/26	10:59 Eastern	G	Water			X	1	
L601171-07 MW-18B (240-241106-7)	1/7/26	12:15 Eastern	G	Water			X	1	
L601171-08 MW-18C (240-241106-8)	1/7/26	13:23 Eastern	G	Water			X	1	
L601171-09 MW-18D (240-241106-9)	1/7/26	14:30 Eastern	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 1/12/26 1530	Company G1	Received by: Fedex	Date/Time:	Company
Relinquished by: Fedex	Date/Time:	Company	Received by:	Date/Time: 1/13/26 935	Company EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.8 10.7 12.4 12-3 no ice 123

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213071.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-241106-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 1/21/2026			
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project - MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_S2_DTotal Sulfide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
L601171-10 MW-19A (240-241106-10)	1/7/26	15:55 Eastern	G	Water			X	1	
L601171-11 MW-19B (240-241106-11)	1/7/26	15:00 Eastern	G	Water			X	1	
L601171-12 MW-19C (240-241106-12)	1/7/26	13:35 Eastern	G	Water			X	1	
L601171-13 MW-19D (240-241106-13)	1/7/26	12:10 Eastern	G	Water			X	1	
L601171-14 MWT-18A (240-241106-14)	1/7/26	10:59 Eastern	G	Water			X	1	
L601171-15 Field Blank (240-241106-15)	1/7/26	07:45 Eastern	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/10/26 1530		Fedex		
Relinquished by: Fedex	Date/Time:	Company	Received by:	Date/Time: 1/13/26 930	Company EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.8 | 0.8 | 1.2 | 1.3 no ice

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-241106-1

Login Number: 241106
List Number: 3
Creator: Szymborski, Jessica

List Source: Eurofins Calscience
List Creation: 01/13/26 03:36 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8/0.7, 12.4/12.3 no ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-241106-1

Login Number: 241106
List Number: 4
Creator: Szymborski, Jessica

List Source: Eurofins Calscience
List Creation: 01/14/26 06:02 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	0.2/0.1
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-241106-1

Login Number: 241106
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 01/13/26 02:11 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

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JOB DESCRIPTION

Erickson Project - MNA Tier II Geochem

JOB NUMBER

240-241191-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

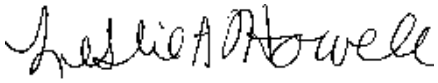
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
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Definitions/Glossary

Client: Lansing Board of Water & Light
Job ID: 240-241191-1
Project/Site: Erickson Project - MNA Tier II Geochem

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-241191-1 — Eurofins Cleveland

Job Narrative
240-241191-1

REVISION

The report being provided is a revision of the original report sent on 1/23/2026. The report (revision 1) is being revised due to dissolved chromium was not reported.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 1/9/2026 11:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.0°C, 1.7°C, 2.3°C and 3.7°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Job ID: 240-241191-1
Project/Site: Erickson Project - MNA Tier II Geochem

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET SSM
200.8	Metals (ICP/MS)	EPA	EET SSM
200.8-1994 R5.4	Metals (ICP/MS)	EPA	EET CLE
5310 C-2014	Total Organic Carbon/Persulfate - Ultrav	SM	EET CLE
SM 4500 NO2 B	Nitrogen, Nitrite	SM	EET MI
SM 4500 S2 D	Sulfide, Total	SM	EET CAL 4
SM4500 NO3 D	Nitrogen, Nitrate	SM	EET MI
200.7	Preparation, Total Metals	EPA	EET SSM
200.8	Preparation, Total Metals	EPA	EET SSM
200.8-1994 R5.4	Preparation, Total Recoverable Metals	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Lansing Board of Water & Light
Job ID: 240-241191-1
Project/Site: Erickson Project - MNA Tier II Geochem

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-241191-1	L601183-01 MW-6	Water	01/08/26 10:15	01/09/26 11:30	Michigan
240-241191-2	L601183--02 MWT-6	Water	01/08/26 10:15	01/09/26 11:30	Michigan
240-241191-3	L601183-03 Field Blank	Water	01/08/26 09:05	01/09/26 11:30	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Job ID: 240-241191-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601183-01 MW-6
Lab Sample ID: 240-241191-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.89		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.060		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Cadmium, Dissolved	0.000078	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	190		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00055	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.061		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	47		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.030		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0034		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.057		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	7.5		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	36		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.018	J	0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0012	J B	0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	2.3		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	6.6		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601183--02 MWT-6
Lab Sample ID: 240-241191-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.89		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.064		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Cadmium, Dissolved	0.00015	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	190		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00059	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.064		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	49		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.031		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0036		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.046		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	7.7		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	37		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.016	J	0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0017	J B	0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	2.3		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	3.5		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L601183-03 Field Blank
Lab Sample ID: 240-241191-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-241191-1

Client Sample ID: L601183-01 MW-6

Date Collected: 01/08/26 10:15
Date Received: 01/09/26 11:30

Lab Sample ID: 240-241191-1

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.89**		0.50	0.041	mg/L		01/16/26 09:23	01/16/26 19:38	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/15/26 14:00	01/19/26 13:59	1
Barium, Dissolved	**0.060**		0.0050	0.00077	mg/L		01/15/26 14:00	01/19/26 13:59	1
Cadmium, Dissolved	**0.000078**	**J**	0.0010	0.000077	mg/L		01/15/26 14:00	01/19/26 13:59	1
Calcium, Dissolved	**190**		1.0	0.25	mg/L		01/15/26 14:00	01/19/26 13:59	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/15/26 14:00	01/19/26 13:59	1
Cobalt, Dissolved	**0.00055**	**J**	0.0010	0.000086	mg/L		01/15/26 14:00	01/19/26 13:59	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/15/26 14:00	01/19/26 13:59	1
Lithium, Dissolved	**0.061**		0.0080	0.0034	mg/L		01/15/26 14:00	01/19/26 13:59	1
Magnesium, Dissolved	**47**		1.0	0.061	mg/L		01/15/26 14:00	01/19/26 13:59	1
Molybdenum, Dissolved	**0.030**		0.0050	0.0011	mg/L		01/15/26 14:00	01/19/26 13:59	1
Nickel, Dissolved	**0.0034**		0.0020	0.0015	mg/L		01/15/26 14:00	01/19/26 13:59	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/15/26 14:00	01/19/26 13:59	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/15/26 14:00	01/19/26 13:59	1
Manganese, Dissolved	**0.057**		0.0050	0.0035	mg/L		01/15/26 14:00	01/19/26 13:59	1
Potassium, Dissolved	**7.5**		1.0	0.22	mg/L		01/15/26 14:00	01/19/26 13:59	1
Sodium, Dissolved	**36**		1.0	0.88	mg/L		01/15/26 14:00	01/19/26 13:59	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.018**	**J**	0.10	0.013	mg/L		01/16/26 09:23	01/18/26 16:49	1
Zinc, Dissolved	**0.0012**	**J B**	0.0070	0.00093	mg/L		01/16/26 09:23	01/18/26 16:49	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/16/26 09:23	01/18/26 16:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**2.3**		1.0	0.44	mg/L			01/16/26 15:57	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/09/26 14:15	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/15/26 19:18	1
Nitrate as N (SM4500 NO3 D)	**6.6**		0.20	0.070	mg/L			01/09/26 19:04	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-241191-1

Client Sample ID: L601183--02 MWT-6
Date Collected: 01/08/26 10:15
Date Received: 01/09/26 11:30

Lab Sample ID: 240-241191-2
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.89**		0.50	0.041	mg/L		01/16/26 09:30	01/16/26 19:41	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/15/26 14:00	01/19/26 13:15	1
Barium, Dissolved	**0.064**		0.0050	0.00077	mg/L		01/15/26 14:00	01/19/26 13:15	1
Cadmium, Dissolved	**0.00015**	**J**	0.0010	0.000077	mg/L		01/15/26 14:00	01/19/26 13:15	1
Calcium, Dissolved	**190**		1.0	0.25	mg/L		01/15/26 14:00	01/19/26 13:15	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/15/26 14:00	01/19/26 13:15	1
Cobalt, Dissolved	**0.00059**	**J**	0.0010	0.000086	mg/L		01/15/26 14:00	01/19/26 13:15	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/15/26 14:00	01/19/26 13:15	1
Lithium, Dissolved	**0.064**		0.0080	0.0034	mg/L		01/15/26 14:00	01/19/26 13:15	1
Magnesium, Dissolved	**49**		1.0	0.061	mg/L		01/15/26 14:00	01/19/26 13:15	1
Molybdenum, Dissolved	**0.031**		0.0050	0.0011	mg/L		01/15/26 14:00	01/19/26 13:15	1
Nickel, Dissolved	**0.0036**		0.0020	0.0015	mg/L		01/15/26 14:00	01/19/26 13:15	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/15/26 14:00	01/19/26 13:15	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/15/26 14:00	01/19/26 13:15	1
Manganese, Dissolved	**0.046**		0.0050	0.0035	mg/L		01/15/26 14:00	01/19/26 13:15	1
Potassium, Dissolved	**7.7**		1.0	0.22	mg/L		01/15/26 14:00	01/19/26 13:15	1
Sodium, Dissolved	**37**		1.0	0.88	mg/L		01/15/26 14:00	01/19/26 13:15	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.016**	**J**	0.10	0.013	mg/L		01/16/26 09:30	01/18/26 16:52	1
Zinc, Dissolved	**0.0017**	**J B**	0.0070	0.00093	mg/L		01/16/26 09:30	01/18/26 16:52	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/16/26 09:30	01/18/26 16:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**2.3**		1.0	0.44	mg/L			01/16/26 16:21	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/09/26 14:15	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/15/26 19:24	1
Nitrate as N (SM4500 NO3 D)	**3.5**		0.20	0.070	mg/L			01/09/26 19:37	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-241191-1

Client Sample ID: L601183-03 Field Blank

Date Collected: 01/08/26 09:05
Date Received: 01/09/26 11:30

Lab Sample ID: 240-241191-3

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	ND		0.50	0.041	mg/L		01/16/26 09:30	01/16/26 19:35	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/15/26 14:00	01/19/26 13:17	1
Barium, Dissolved	ND		0.0050	0.00077	mg/L		01/15/26 14:00	01/19/26 13:17	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/15/26 14:00	01/19/26 13:17	1
Calcium, Dissolved	ND		1.0	0.25	mg/L		01/15/26 14:00	01/19/26 13:17	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/15/26 14:00	01/19/26 13:17	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/15/26 14:00	01/19/26 13:17	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/15/26 14:00	01/19/26 13:17	1
Lithium, Dissolved	ND		0.0080	0.0034	mg/L		01/15/26 14:00	01/19/26 13:17	1
Magnesium, Dissolved	ND		1.0	0.061	mg/L		01/15/26 14:00	01/19/26 13:17	1
Molybdenum, Dissolved	ND		0.0050	0.0011	mg/L		01/15/26 14:00	01/19/26 13:17	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		01/15/26 14:00	01/19/26 13:17	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/15/26 14:00	01/19/26 13:17	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/15/26 14:00	01/19/26 13:17	1
Manganese, Dissolved	ND		0.0050	0.0035	mg/L		01/15/26 14:00	01/19/26 13:17	1
Potassium, Dissolved	ND		1.0	0.22	mg/L		01/15/26 14:00	01/19/26 13:17	1
Sodium, Dissolved	ND		1.0	0.88	mg/L		01/15/26 14:00	01/19/26 13:17	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		01/16/26 09:30	01/18/26 16:54	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		01/16/26 09:30	01/18/26 16:54	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/16/26 09:30	01/18/26 16:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	ND		1.0	0.44	mg/L			01/16/26 16:44	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			01/09/26 14:16	1
Total Sulfide (SM 4500 S2 D)	ND		0.050	0.028	mg/L			01/15/26 19:26	1
Nitrate as N (SM4500 NO3 D)	ND		0.20	0.070	mg/L			01/09/26 19:55	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 350-12178/1-B
Matrix: Water
Analysis Batch: 12232

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 12209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	ND		0.50	0.041	mg/L		01/16/26 09:23	01/16/26 19:13	1

Lab Sample ID: LCS 350-12178/2-B
Matrix: Water
Analysis Batch: 12232

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 12209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	5.00	5.15		mg/L		103	85 - 115

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 350-12178/1-B
Matrix: Water
Analysis Batch: 12247

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 12209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		01/16/26 09:23	01/18/26 19:26	1
Zinc, Dissolved	0.00324	J	0.0070	0.00093	mg/L		01/16/26 09:23	01/18/26 19:26	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		01/16/26 09:23	01/18/26 19:26	1

Lab Sample ID: LCS 350-12178/2-B
Matrix: Water
Analysis Batch: 12247

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 12209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	20.0	20.3		mg/L		101	85 - 115
Zinc, Dissolved	1.00	1.00		mg/L		100	85 - 115
Aluminum, Dissolved	20.0	19.3		mg/L		96	85 - 115

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: MB 240-687576/1-A
Matrix: Water
Analysis Batch: 687956

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 687576

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		01/15/26 14:00	01/19/26 12:53	1
Barium, Dissolved	ND		0.0050	0.00077	mg/L		01/15/26 14:00	01/19/26 12:53	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		01/15/26 14:00	01/19/26 12:53	1
Calcium, Dissolved	ND		1.0	0.25	mg/L		01/15/26 14:00	01/19/26 12:53	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		01/15/26 14:00	01/19/26 12:53	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		01/15/26 14:00	01/19/26 12:53	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		01/15/26 14:00	01/19/26 12:53	1
Lithium, Dissolved	ND		0.0080	0.0034	mg/L		01/15/26 14:00	01/19/26 12:53	1
Magnesium, Dissolved	ND		1.0	0.061	mg/L		01/15/26 14:00	01/19/26 12:53	1
Molybdenum, Dissolved	ND		0.0050	0.0011	mg/L		01/15/26 14:00	01/19/26 12:53	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		01/15/26 14:00	01/19/26 12:53	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		01/15/26 14:00	01/19/26 12:53	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		01/15/26 14:00	01/19/26 12:53	1
Manganese, Dissolved	ND		0.0050	0.0035	mg/L		01/15/26 14:00	01/19/26 12:53	1

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-687576/1-A
Matrix: Water
Analysis Batch: 687956

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 687576

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium, Dissolved	ND		1.0	0.22	mg/L		01/15/26 14:00	01/19/26 12:53	1
Sodium, Dissolved	ND		1.0	0.88	mg/L		01/15/26 14:00	01/19/26 12:53	1

Lab Sample ID: LCS 240-687576/2-A
Matrix: Water
Analysis Batch: 687956

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 687576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	1.00	1.03		mg/L		103	85 - 115
Barium, Dissolved	1.00	1.02		mg/L		102	85 - 115
Cadmium, Dissolved	0.500	0.514		mg/L		103	85 - 115
Calcium, Dissolved	25.0	25.7		mg/L		103	85 - 115
Chromium, Dissolved	0.500	0.519		mg/L		104	85 - 115
Cobalt, Dissolved	0.500	0.519		mg/L		104	85 - 115
Copper, Dissolved	0.500	0.511		mg/L		102	85 - 115
Lithium, Dissolved	0.500	0.527		mg/L		105	85 - 115
Magnesium, Dissolved	25.0	26.1		mg/L		104	85 - 115
Molybdenum, Dissolved	0.500	0.516		mg/L		103	85 - 115
Nickel, Dissolved	0.500	0.514		mg/L		103	85 - 115
Selenium, Dissolved	1.00	1.01		mg/L		101	85 - 115
Vanadium, Dissolved	0.500	0.522		mg/L		104	85 - 115
Manganese, Dissolved	0.500	0.522		mg/L		104	85 - 115
Potassium, Dissolved	25.0	26.4		mg/L		106	85 - 115
Sodium, Dissolved	25.0	26.0		mg/L		104	85 - 115

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav

Lab Sample ID: MB 240-687882/5
Matrix: Water
Analysis Batch: 687882

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.44	mg/L			01/16/26 13:57	1

Lab Sample ID: LCS 240-687882/6
Matrix: Water
Analysis Batch: 687882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	26.2		mg/L		92	85 - 115
TOC Result 1	28.4	26.7		mg/L		94	85 - 115
TOC Result 2	28.4	26.1		mg/L		92	85 - 115

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 190-13137/4
Matrix: Water
Analysis Batch: 13137

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.0097	mg/L			01/09/26 14:10	1

Lab Sample ID: LCS 190-13137/3
Matrix: Water
Analysis Batch: 13137

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.250	0.237		mg/L		95	90 - 110

Lab Sample ID: 240-241191-3 MS
Matrix: Water
Analysis Batch: 13137

Client Sample ID: L601183-03 Field Blank
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	ND		0.250	0.238		mg/L		95	75 - 125

Lab Sample ID: 240-241191-3 MSD
Matrix: Water
Analysis Batch: 13137

Client Sample ID: L601183-03 Field Blank
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND		0.250	0.233		mg/L		93	75 - 125	2	20

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 570-683121/6
Matrix: Water
Analysis Batch: 683121

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Sulfide	ND		0.050	0.028	mg/L			01/15/26 19:12	1

Lab Sample ID: LCS 570-683121/8
Matrix: Water
Analysis Batch: 683121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Sulfide	0.498	0.435		mg/L		87	70 - 130

Lab Sample ID: LCSD 570-683121/10
Matrix: Water
Analysis Batch: 683121

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Sulfide	0.498	0.432		mg/L		87	70 - 130	1	8

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: MRL 570-683121/4
Matrix: Water
Analysis Batch: 683121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Total Sulfide			0.0498	0.0308	J	mg/L		62	50 - 150		

Lab Sample ID: 240-241191-1 MS
Matrix: Water
Analysis Batch: 683121

Client Sample ID: L601183-01 MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Sulfide	ND		0.498	0.382		mg/L		77	70 - 130		

Lab Sample ID: 240-241191-1 MSD
Matrix: Water
Analysis Batch: 683121

Client Sample ID: L601183-01 MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Sulfide	ND		0.498	0.379		mg/L		76	70 - 130	1	20

Method: SM4500 NO3 D - Nitrogen, Nitrate

Lab Sample ID: MB 190-13139/3
Matrix: Water
Analysis Batch: 13139

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.070	mg/L			01/09/26 18:11	1

Lab Sample ID: LCS 190-13139/4
Matrix: Water
Analysis Batch: 13139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			10.0	10.2		mg/L		102	90 - 110		

Lab Sample ID: 240-241191-3 MS
Matrix: Water
Analysis Batch: 13139

Client Sample ID: L601183-03 Field Blank
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	ND		10.0	9.79		mg/L		98	75 - 125		

Lab Sample ID: 240-241191-3 MSD
Matrix: Water
Analysis Batch: 13139

Client Sample ID: L601183-03 Field Blank
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	ND		10.0	9.99		mg/L		100	75 - 125	2	20

Metals

Filtration Batch: 12178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 350-12178/1-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 350-12178/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	

Prep Batch: 12209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241191-1	L601183-01 MW-6	Dissolved	Water	200.7	
240-241191-2	L601183--02 MWT-6	Dissolved	Water	200.7	
240-241191-3	L601183-03 Field Blank	Dissolved	Water	200.7	
MB 350-12178/1-B	Method Blank	Dissolved	Water	200.7	12178
LCS 350-12178/2-B	Lab Control Sample	Dissolved	Water	200.7	12178

Analysis Batch: 12232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241191-1	L601183-01 MW-6	Dissolved	Water	200.7 Rev 4.4	12209
240-241191-2	L601183--02 MWT-6	Dissolved	Water	200.7 Rev 4.4	12209
240-241191-3	L601183-03 Field Blank	Dissolved	Water	200.7 Rev 4.4	12209
MB 350-12178/1-B	Method Blank	Dissolved	Water	200.7 Rev 4.4	12209
LCS 350-12178/2-B	Lab Control Sample	Dissolved	Water	200.7 Rev 4.4	12209

Analysis Batch: 12247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241191-1	L601183-01 MW-6	Dissolved	Water	200.8	12209
240-241191-2	L601183--02 MWT-6	Dissolved	Water	200.8	12209
240-241191-3	L601183-03 Field Blank	Dissolved	Water	200.8	12209
MB 350-12178/1-B	Method Blank	Dissolved	Water	200.8	12209
LCS 350-12178/2-B	Lab Control Sample	Dissolved	Water	200.8	12209

Prep Batch: 687576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241191-1	L601183-01 MW-6	Dissolved	Water	200.8-1994 R5.4	
240-241191-2	L601183--02 MWT-6	Dissolved	Water	200.8-1994 R5.4	
240-241191-3	L601183-03 Field Blank	Dissolved	Water	200.8-1994 R5.4	
MB 240-687576/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-687576/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	

Analysis Batch: 687956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241191-1	L601183-01 MW-6	Dissolved	Water	200.8-1994 R5.4	687576
240-241191-2	L601183--02 MWT-6	Dissolved	Water	200.8-1994 R5.4	687576
240-241191-3	L601183-03 Field Blank	Dissolved	Water	200.8-1994 R5.4	687576
MB 240-687576/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	687576
LCS 240-687576/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	687576

General Chemistry

Analysis Batch: 13137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241191-1	L601183-01 MW-6	Total/NA	Water	SM 4500 NO2 B	
240-241191-2	L601183--02 MWT-6	Total/NA	Water	SM 4500 NO2 B	
240-241191-3	L601183-03 Field Blank	Total/NA	Water	SM 4500 NO2 B	
MB 190-13137/4	Method Blank	Total/NA	Water	SM 4500 NO2 B	

General Chemistry (Continued)

Analysis Batch: 13137 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 190-13137/3	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
240-241191-3 MS	L601183-03 Field Blank	Total/NA	Water	SM 4500 NO2 B	
240-241191-3 MSD	L601183-03 Field Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 13139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241191-1	L601183-01 MW-6	Total/NA	Water	SM4500 NO3 D	
240-241191-2	L601183--02 MWT-6	Total/NA	Water	SM4500 NO3 D	
240-241191-3	L601183-03 Field Blank	Total/NA	Water	SM4500 NO3 D	
MB 190-13139/3	Method Blank	Total/NA	Water	SM4500 NO3 D	
LCS 190-13139/4	Lab Control Sample	Total/NA	Water	SM4500 NO3 D	
240-241191-3 MS	L601183-03 Field Blank	Total/NA	Water	SM4500 NO3 D	
240-241191-3 MSD	L601183-03 Field Blank	Total/NA	Water	SM4500 NO3 D	

Analysis Batch: 683121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241191-1	L601183-01 MW-6	Total/NA	Water	SM 4500 S2 D	
240-241191-2	L601183--02 MWT-6	Total/NA	Water	SM 4500 S2 D	
240-241191-3	L601183-03 Field Blank	Total/NA	Water	SM 4500 S2 D	
MB 570-683121/6	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 570-683121/8	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 570-683121/10	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 570-683121/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
240-241191-1 MS	L601183-01 MW-6	Total/NA	Water	SM 4500 S2 D	
240-241191-1 MSD	L601183-01 MW-6	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 687882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241191-1	L601183-01 MW-6	Total/NA	Water	5310 C-2014	
240-241191-2	L601183--02 MWT-6	Total/NA	Water	5310 C-2014	
240-241191-3	L601183-03 Field Blank	Total/NA	Water	5310 C-2014	
MB 240-687882/5	Method Blank	Total/NA	Water	5310 C-2014	
LCS 240-687882/6	Lab Control Sample	Total/NA	Water	5310 C-2014	

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-241191-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L601183-01 MW-6
Lab Sample ID: 240-241191-1
Date Collected: 01/08/26 10:15
Matrix: Water
Date Received: 01/09/26 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12209		EET SSM	01/16/26 09:23
Dissolved	Analysis	200.7 Rev 4.4		1	12232	JLS	EET SSM	01/16/26 19:38
Dissolved	Prep	200.7			12209		EET SSM	01/16/26 09:23
Dissolved	Analysis	200.8		1	12247	JL	EET SSM	01/18/26 16:49
Dissolved	Prep	200.8-1994 R5.4			687576	F3PF	EET CLE	01/15/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687956	RKT	EET CLE	01/19/26 13:59
Total/NA	Analysis	5310 C-2014		1	687882	PQD2	EET CLE	01/16/26 15:57
Total/NA	Analysis	SM 4500 NO2 B		1	13137	JED	EET MI	01/09/26 14:15
Total/NA	Analysis	SM 4500 S2 D		1	683121	GG0B	EET CAL 4	01/15/26 19:18
Total/NA	Analysis	SM4500 NO3 D		1	13139	JED	EET MI	01/09/26 19:04

Client Sample ID: L601183--02 MWT-6
Lab Sample ID: 240-241191-2
Date Collected: 01/08/26 10:15
Matrix: Water
Date Received: 01/09/26 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12209		EET SSM	01/16/26 09:30
Dissolved	Analysis	200.7 Rev 4.4		1	12232	JLS	EET SSM	01/16/26 19:41
Dissolved	Prep	200.7			12209		EET SSM	01/16/26 09:30
Dissolved	Analysis	200.8		1	12247	JL	EET SSM	01/18/26 16:52
Dissolved	Prep	200.8-1994 R5.4			687576	F3PF	EET CLE	01/15/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687956	RKT	EET CLE	01/19/26 13:15
Total/NA	Analysis	5310 C-2014		1	687882	PQD2	EET CLE	01/16/26 16:21
Total/NA	Analysis	SM 4500 NO2 B		1	13137	JED	EET MI	01/09/26 14:15
Total/NA	Analysis	SM 4500 S2 D		1	683121	GG0B	EET CAL 4	01/15/26 19:24
Total/NA	Analysis	SM4500 NO3 D		1	13139	JED	EET MI	01/09/26 19:37

Client Sample ID: L601183-03 Field Blank
Lab Sample ID: 240-241191-3
Date Collected: 01/08/26 09:05
Matrix: Water
Date Received: 01/09/26 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12209		EET SSM	01/16/26 09:30
Dissolved	Analysis	200.7 Rev 4.4		1	12232	JLS	EET SSM	01/16/26 19:35
Dissolved	Prep	200.7			12209		EET SSM	01/16/26 09:30
Dissolved	Analysis	200.8		1	12247	JL	EET SSM	01/18/26 16:54
Dissolved	Prep	200.8-1994 R5.4			687576	F3PF	EET CLE	01/15/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	687956	RKT	EET CLE	01/19/26 13:17
Total/NA	Analysis	5310 C-2014		1	687882	PQD2	EET CLE	01/16/26 16:44
Total/NA	Analysis	SM 4500 NO2 B		1	13137	JED	EET MI	01/09/26 14:16
Total/NA	Analysis	SM 4500 S2 D		1	683121	GG0B	EET CAL 4	01/15/26 19:26
Total/NA	Analysis	SM4500 NO3 D		1	13139	JED	EET MI	01/09/26 19:55

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-241191-1
Project/Site: Erickson Project - MNA Tier II Geochem

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Job ID: 240-241191-1
Project/Site: Erickson Project - MNA Tier II Geochem

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-26

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26
California	State	3082	03-04-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	02-24-26
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	03-24-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	02-11-26

Laboratory: Eurofins Michigan

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Michigan	State	9180	08-07-28

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
Arizona	State	AZ0854	01-13-27
California	State	2954	01-19-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	06-30-26
Maine	State	WA01273	01-19-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	01-19-26
Oregon	NELAP	4167	03-01-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-25-24-59583A1	01-24-28
Washington	State	C788	07-13-26
Wisconsin	State	399133460	08-31-26

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Project Manager:
Howell, Leslie

Purchase Order:
Purchase Order not required

Project Reference:

Work Order:

Sampler:
Marc Wahrer

Requested TAT:

Description:
Erickson Project - MNA Tier II Geochem

Project Number:
24034575

Site Name:
Erickson Projects

Sample State: MI

Special Instructions:
All samples for dissolved metals were filtered in field.

Methods and Bottles

240-241191 COC

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	5310C TOC [240]	SM4500_S2_D Total Sulfide [ROU]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	SM4500_NO2_B Nitrite [190]	SM4500_NO3_D Nitrate [190]	Plastic 250ml - with Zinc Acetate & NaOH	Voa Vial 40ml - with Sulfuric Acid	Plastic 250ml - unpreserved	Plastic 500ml - unpreserved	Plastic 500ml - w/ Nitric - Dis.	Total Bottles For Sample
1	L601183-01 MW-6	Grab	Water	01/08/26 10:01				X	X	X	X	X	1	3	1	1	1	7
2	L601183-02 MWT-6	Grab	Water	01/08/26 10:15				X	X	X	X	X	1	3	1	1	1	7
3	L601183-03 Field Blank	Grab	Water	01/08/26 09:05				X	X	X	X	X	1	3	1	1	1	7

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:		
Jennifer Caporale	01/09/26 10:57	Jennifer Caporale	01/09/26 10:57		1/10/26

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260108A004								

Chain of Custody Number: **447936**

*H -- Analysis on hold.

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :_____
Barberton Facility

Client Lansing (TA) Site Name_____ Cooler unpacked by: Chris Rose

Cooler Received on 7/10/26 Opened on 7/26

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other_____

Receipt After-hours: Drop-off Date/Time_____ Storage Location_____

Eurofins Cooler # EC Foam Box Client Cooler Box Other_____

Packing material used: Bubble Wrap Foam Plastic Bag None Other_____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN #_____ (CF____•____°C) Observed Cooler Temp.____•____°C Corrected Cooler Temp.____•____°C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 3	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC567196
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	No
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM_____ Date_____ by_____ via Verbal Voice Mail Other

Concerning_____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:

Labels Verified by:

19. SAMPLE CONDITION

Sample(s)_____were received after the recommended holding time had expired.

Sample(s)_____were received in a broken container.

Sample(s)_____were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s)_____were further preserved in the laboratory.

Time preserved:_____Preservative(s) added/Lot number(s):_____

VOA Sample Preservation - Date/Time VOAs Frozen:_____

Login # : _____

Eurofins : Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 12	3.0	3.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.6	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	0.3	1.0	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.0	1.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

1/14/2026

Login Container Summary Report

240-241191

4/7/2026 (Rev. 1)

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L601183-01 MW-6	240-241191-A-1	Plastic 250ml - unpreserved				
L601183-01 MW-6	240-241191-B-1	Voa Vial 40ml - with Sulfuric Acid				
L601183-01 MW-6	240-241191-C-1	Voa Vial 40ml - with Sulfuric Acid				
L601183-01 MW-6	240-241191-D-1	Voa Vial 40ml - with Sulfuric Acid				
L601183-01 MW-6	240-241191-E-1	Plastic 500ml - with Zn Acetate	>9			
L601183-01 MW-6	240-241191-F-1	Plastic 500ml - w/ Nitric - Dis.	<2			
L601183-01 MW-6	240-241191-G-1	Plastic 250ml - w/nitric - dis	<2			
L601183-01 MW-6	240-241191-H-1	Plastic 500ml - unpreserved				
L601183--02 MWT-6	240-241191-A-2	Plastic 250ml - unpreserved				
L601183--02 MWT-6	240-241191-B-2	Voa Vial 40ml - with Sulfuric Acid				
L601183--02 MWT-6	240-241191-C-2	Voa Vial 40ml - with Sulfuric Acid				
L601183--02 MWT-6	240-241191-D-2	Voa Vial 40ml - with Sulfuric Acid				
L601183--02 MWT-6	240-241191-E-2	Plastic 500ml - with Zn Acetate	>9			
L601183--02 MWT-6	240-241191-F-2	Plastic 500ml - w/ Nitric - Dis.	<2			
L601183--02 MWT-6	240-241191-G-2	Plastic 250ml - w/nitric - dis	<2			
L601183--02 MWT-6	240-241191-H-2	Plastic 500ml - unpreserved				
L601183-03 Field Blank	240-241191-A-3	Plastic 250ml - unpreserved				
L601183-03 Field Blank	240-241191-B-3	Voa Vial 40ml - with Sulfuric Acid				
L601183-03 Field Blank	240-241191-C-3	Voa Vial 40ml - with Sulfuric Acid				
L601183-03 Field Blank	240-241191-D-3	Voa Vial 40ml - with Sulfuric Acid				
L601183-03 Field Blank	240-241191-E-3	Plastic 500ml - with Zn Acetate	>9			
L601183-03 Field Blank	240-241191-F-3	Plastic 500ml - w/ Nitric - Dis.	<2			
L601183-03 Field Blank	240-241191-G-3	Plastic 250ml - w/nitric - dis	<2			
L601183-03 Field Blank	240-241191-H-3	Plastic 500ml - unpreserved				

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213189.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #:
Address: 5755 8th Street East, ,	Due Date Requested: 1/22/2026			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project - MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Therm. ID: SC0 1 Cust. Seal: Y / N
Uncorr./Corr. Temps: 13.2/13.5 °C
Delivery: UPS / FedEx / Other
Ice Type: Blue / Dry / Wet / None
Label Ver.: Packing: B

Analysis Reques

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRDDissolved Boron	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
L601183-01 MW-6 (240-241191-1)	1/8/26	10:15 Eastern	G	Water			X	X	1	
L601183--02 MWT-6 (240-241191-2)	1/8/26	10:15 Eastern	G	Water			X	X	1	
L601183-03 Field Blank (240-241191-3)	1/8/26	09:05 Eastern	G	Water			X	X	1	

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification: Unconfirmed 4856 1531 2496	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
JLN	1/14/26 1500	ET		1/15/26 9:50	ET TN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins

Loc: 240
241191

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213188.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-2411
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 1/22/2026			Preservat -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Project - MNA Tier II Geochem	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_S2_DTotal Sulfide	Total Number of containers
			Preservation Code:					
L601183-01 MW-6 (240-241191-1)	1/8/26	10:15 Eastern	G	Water			X	1
L601183--02 MWT-6 (240-241191-2)	1/8/26	10:15 Eastern	G	Water			X	1
L601183-03 Field Blank (240-241191-3)	1/8/26	09:05 Eastern	G	Water			X	1

240-241191 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
JUS	1/14/26 1500	ET		1/15/26 0940	OL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		1-7/1.6 1K-3

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-241191-1

Login Number: 241191
List Number: 2
Creator: Ferreira, Bruno

List Source: Eurofins Calscience
List Creation: 01/15/26 11:27 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-241191-1

Login Number: 241191
List Number: 3
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 01/15/26 01:20 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

Generated 1/28/2026 10:12:55 PM

JOB DESCRIPTION

Erickson Projects

JOB NUMBER

240-241806-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

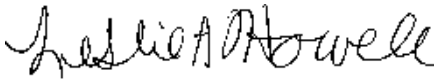
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

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Definitions/Glossary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Qualifiers

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-241806-1 — Eurofins Cleveland

Job Narrative
240-241806-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 1/15/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.1°C, 2.4°C and 3.0°C.

Metals
Method 245.1-1994 R3.0: The initial calibration verification (ICV) result for batch 240-688221 was above the upper control limit for mercury. Sample results were below the reporting limit, and have been reported. L601184-01 MW-7D (240-241806-1), L601184-02 MW-19A (240-241806-2), L601184-03 MW-19B (240-241806-3), L601184-04 MW-19C (240-241806-4), L601184-05 MW-19D (240-241806-5), L601184-06 MWT-19A (240-241806-6) and L601184-07 FIELD BLANK (240-241806-7)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2320 B-2021: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to failure of QC in initial analysis. In hold results reported as secondary : L601184-01 MW-7D (240-241806-1), L601184-02 MW-19A (240-241806-2), L601184-03 MW-19B (240-241806-3), L601184-04 MW-19C (240-241806-4), L601184-05 MW-19D (240-241806-5), L601184-06 MWT-19A (240-241806-6) and L601184-07 FIELD BLANK (240-241806-7).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET SSM
200.8	Metals (ICP/MS)	EPA	EET SSM
200.8-1994 R5.4	Metals (ICP/MS)	EPA	EET CLE
2340 B-2021	Total Hardness (as CaCO3) by calculation	SM	EET CLE
245.1-1994 R3.0	Mercury (CVAA)	EPA	EET CLE
2320 B-2021	Alkalinity	SM	EET CLE
2540 C-2020	Solids, Total Dissolved (TDS)	SM	EET CLE
2540D-2020	Solids, Total Suspended (TSS)	SM	EET CLE
300.0-1993 R2.1	Anions, Ion Chromatography	EPA	EET CLE
200.7	Preparation, Total Metals	EPA	EET SSM
200.8	Preparation, Total Metals	EPA	EET SSM
200.8-1994 R5.4	Preparation, Total Recoverable Metals	EPA	EET CLE
245.1-1994 R3.0	Preparation, Mercury	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-241806-1	L601184-01 MW-7D	Water	01/13/26 15:22	01/15/26 08:00	Michigan
240-241806-2	L601184-02 MW-19A	Water	01/13/26 13:34	01/15/26 08:00	Michigan
240-241806-3	L601184-03 MW-19B	Water	01/13/26 17:25	01/15/26 08:00	Michigan
240-241806-4	L601184-04 MW-19C	Water	01/13/26 15:05	01/15/26 08:00	Michigan
240-241806-5	L601184-05 MW-19D	Water	01/13/26 09:15	01/15/26 08:00	Michigan
240-241806-6	L601184-06 MWT-19A	Water	01/13/26 13:34	01/15/26 08:00	Michigan
240-241806-7	L601184-07 FIELD BLANK	Water	01/13/26 08:00	01/15/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Client Sample ID: L601184-01 MW-7D — Lab Sample ID: 240-241806-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	9.6		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	17		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.037		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0041	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1300		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	72		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	26		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.035		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.16		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	280		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	320		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Bicarbonate Alkalinity as CaCO3	310	H	5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	290		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.0	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	1.4		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.38		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	8.6		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L601184-02 MW-19A — Lab Sample ID: 240-241806-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	1.8	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	46		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0043	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.092		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0023	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.012		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	250		40	32	ug/L	2		200.8-1994 R5.4	Total Recoverable
Calcium	200		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	64		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.011		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	4.9		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	760		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	390		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Bicarbonate Alkalinity as CaCO3	390	H	5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	960		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	8.7		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	110		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.18		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L601184-02 MW-19A (Continued) — Lab Sample ID: 240-241806-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	280		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L601184-03 MW-19B — Lab Sample ID: 240-241806-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	3.0	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	34		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0029	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.045		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0019	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.016		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	390		100	80	ug/L	5		200.8-1994 R5.4	Total Recoverable
Calcium	180		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	65		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.013		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	1.9		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	700		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	400		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Bicarbonate Alkalinity as CaCO3	400	H	5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	930		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	4.1		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	75		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.24		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	320		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L601184-04 MW-19C — Lab Sample ID: 240-241806-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	7.5		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	43		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.031		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1400		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	57		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	21		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.023		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.71		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	230		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	330		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Bicarbonate Alkalinity as CaCO3	330	H	5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	320		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.7	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L601184-04 MW-19C (Continued) — Lab Sample ID: 240-241806-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.9		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.44		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	1.8		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L601184-05 MW-19D — Lab Sample ID: 240-241806-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	5.7		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	27		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.048		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0012	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	530		100	80	ug/L	5		200.8-1994 R5.4	Total Recoverable
Calcium	69		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	25		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.022		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.68		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	280		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	320		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Bicarbonate Alkalinity as CaCO3	320	H	5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	310		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.3	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	1.1		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.43		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	12		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L601184-06 MWT-19A — Lab Sample ID: 240-241806-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	1.8	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	48		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0043	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.086		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0021	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.011		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	240		40	32	ug/L	2		200.8-1994 R5.4	Total Recoverable
Calcium	190		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	61		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.0099		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	5.1		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.0025	J	0.0070	0.00093	mg/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L601184-06 MWT-19A (Continued)

Lab Sample ID: 240-241806-6

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	720		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	390		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Bicarbonate Alkalinity as CaCO3	390	H	5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	1000		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	10		8.0	0.80	mg/L	1		2540D-2020	Total/NA
Chloride	110		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.18		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	280		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L601184-07 FIELD BLANK

Lab Sample ID: 240-241806-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.081	J	0.10	0.013	mg/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L601184-01 MW-7D
Date Collected: 01/13/26 15:22
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-1
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	9.6		3.3	0.17	mg/L		01/22/26 09:59	01/23/26 18:30	1
Na	17		0.60	0.33	mg/L		01/22/26 09:59	01/23/26 18:30	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		01/20/26 14:00	01/21/26 13:14	1
Arsenic	ND		0.0050	0.00075	mg/L		01/20/26 14:00	01/21/26 13:14	1
Barium	0.037		0.0050	0.00077	mg/L		01/20/26 14:00	01/21/26 13:14	1
Beryllium	ND		0.0010	0.00027	mg/L		01/20/26 14:00	01/21/26 13:14	1
Cadmium	ND		0.0010	0.000077	mg/L		01/20/26 14:00	01/21/26 13:14	1
Cobalt	ND		0.0010	0.000086	mg/L		01/20/26 14:00	01/21/26 13:14	1
Chromium	ND		0.0050	0.0012	mg/L		01/20/26 14:00	01/21/26 13:14	1
Copper	ND		0.0020	0.0017	mg/L		01/20/26 14:00	01/21/26 13:14	1
Molybdenum	0.0041	J	0.0050	0.0011	mg/L		01/20/26 14:00	01/21/26 13:14	1
Nickel	ND		0.0020	0.0015	mg/L		01/20/26 14:00	01/21/26 13:14	1
Lead	ND		0.0010	0.00045	mg/L		01/20/26 14:00	01/21/26 13:14	1
Antimony	ND		0.0020	0.00057	mg/L		01/20/26 14:00	01/21/26 13:14	1
Selenium	ND		0.0050	0.00089	mg/L		01/20/26 14:00	01/21/26 13:14	1
Thallium	ND		0.0010	0.00051	mg/L		01/20/26 14:00	01/21/26 13:14	1
Vanadium	ND		0.0050	0.00082	mg/L		01/20/26 14:00	01/21/26 13:14	1
Boron	1300		200	160	ug/L		01/20/26 14:00	01/22/26 10:33	10
Calcium	72		1.0	0.25	mg/L		01/20/26 14:00	01/21/26 13:14	1
Magnesium	26		1.0	0.061	mg/L		01/20/26 14:00	01/21/26 13:14	1
Lithium	0.035		0.0080	0.0034	mg/L		01/20/26 14:00	01/21/26 13:14	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.16		0.10	0.013	mg/L		01/22/26 09:59	01/26/26 01:17	1
Zinc	ND		0.0070	0.00093	mg/L		01/22/26 09:59	01/26/26 01:17	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	280		33	33	mg/L			01/23/26 10:41	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^1+	0.00020	0.00013	mg/L		01/20/26 14:00	01/21/26 12:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	320		5.0	2.6	mg/L			01/27/26 13:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	310	H	5.0	2.6	mg/L			01/28/26 10:20	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			01/27/26 13:55	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND	H	5.0	2.6	mg/L			01/28/26 10:20	1
Total Dissolved Solids (SM 2540 C-2020)	290		10	7.8	mg/L			01/19/26 16:48	1
Total Suspended Solids (SM 2540D-2020)	1.0	J	4.0	0.40	mg/L			01/20/26 10:07	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Client Sample ID: L601184-01 MW-7D
Date Collected: 01/13/26 15:22
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0-1993 R2.1)	1.4		1.0	0.13	mg/L			01/20/26 19:28	1
Fluoride (EPA 300.0-1993 R2.1)	0.38		0.050	0.024	mg/L			01/20/26 19:28	1
Sulfate (EPA 300.0-1993 R2.1)	8.6		1.0	0.35	mg/L			01/20/26 19:28	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Client Sample ID: L601184-02 MW-19A

Date Collected: 01/13/26 13:34
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-2

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**1.8**	**J**	3.3	0.17	mg/L		01/22/26 09:59	01/23/26 18:33	1
Na	**46**		0.60	0.33	mg/L		01/22/26 09:59	01/23/26 18:33	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		01/20/26 14:00	01/21/26 13:17	1
Arsenic	**0.0043**	**J**	0.0050	0.00075	mg/L		01/20/26 14:00	01/21/26 13:17	1
Barium	**0.092**		0.0050	0.00077	mg/L		01/20/26 14:00	01/21/26 13:17	1
Beryllium	ND		0.0010	0.00027	mg/L		01/20/26 14:00	01/21/26 13:17	1
Cadmium	ND		0.0010	0.000077	mg/L		01/20/26 14:00	01/21/26 13:17	1
Cobalt	ND		0.0010	0.000086	mg/L		01/20/26 14:00	01/21/26 13:17	1
Chromium	ND		0.0050	0.0012	mg/L		01/20/26 14:00	01/21/26 13:17	1
Copper	ND		0.0020	0.0017	mg/L		01/20/26 14:00	01/21/26 13:17	1
Molybdenum	**0.0023**	**J**	0.0050	0.0011	mg/L		01/20/26 14:00	01/21/26 13:17	1
Nickel	**0.012**		0.0020	0.0015	mg/L		01/20/26 14:00	01/21/26 13:17	1
Lead	ND		0.0010	0.00045	mg/L		01/20/26 14:00	01/21/26 13:17	1
Antimony	ND		0.0020	0.00057	mg/L		01/20/26 14:00	01/21/26 13:17	1
Selenium	ND		0.0050	0.00089	mg/L		01/20/26 14:00	01/21/26 13:17	1
Thallium	ND		0.0010	0.00051	mg/L		01/20/26 14:00	01/21/26 13:17	1
Vanadium	ND		0.0050	0.00082	mg/L		01/20/26 14:00	01/21/26 13:17	1
Boron	**250**		40	32	ug/L		01/20/26 14:00	01/22/26 10:35	2
Calcium	**200**		1.0	0.25	mg/L		01/20/26 14:00	01/21/26 13:17	1
Magnesium	**64**		1.0	0.061	mg/L		01/20/26 14:00	01/21/26 13:17	1
Lithium	**0.011**		0.0080	0.0034	mg/L		01/20/26 14:00	01/21/26 13:17	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**4.9**		0.10	0.013	mg/L		01/22/26 09:59	01/26/26 01:20	1
Zinc	ND		0.0070	0.00093	mg/L		01/22/26 09:59	01/26/26 01:20	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**760**		33	33	mg/L			01/23/26 10:41	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^1+	0.00020	0.00013	mg/L		01/20/26 14:00	01/21/26 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**390**		5.0	2.6	mg/L			01/27/26 14:04	1
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**390**	**H**	5.0	2.6	mg/L			01/28/26 10:31	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			01/27/26 14:04	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND	H	5.0	2.6	mg/L			01/28/26 10:31	1
Total Dissolved Solids (SM 2540 C-2020)	**960**		10	7.8	mg/L			01/19/26 16:48	1
Total Suspended Solids (SM 2540D-2020)	**8.7**		4.0	0.40	mg/L			01/20/26 10:07	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Client Sample ID: L601184-02 MW-19A
Date Collected: 01/13/26 13:34
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-2
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0-1993 R2.1)	110		1.0	0.13	mg/L			01/20/26 20:29	1
Fluoride (EPA 300.0-1993 R2.1)	0.18		0.050	0.024	mg/L			01/20/26 20:29	1
Sulfate (EPA 300.0-1993 R2.1)	280		5.0	1.7	mg/L			01/20/26 20:37	5

Client Sample ID: L601184-03 MW-19B
Date Collected: 01/13/26 17:25
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-3
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	3.0	J	3.3	0.17	mg/L		01/22/26 09:59	01/23/26 18:37	1
Na	34		0.60	0.33	mg/L		01/22/26 09:59	01/23/26 18:37	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		01/20/26 14:00	01/21/26 13:20	1
Arsenic	0.0029	J	0.0050	0.00075	mg/L		01/20/26 14:00	01/21/26 13:20	1
Barium	0.045		0.0050	0.00077	mg/L		01/20/26 14:00	01/21/26 13:20	1
Beryllium	ND		0.0010	0.00027	mg/L		01/20/26 14:00	01/21/26 13:20	1
Cadmium	ND		0.0010	0.000077	mg/L		01/20/26 14:00	01/21/26 13:20	1
Cobalt	ND		0.0010	0.000086	mg/L		01/20/26 14:00	01/21/26 13:20	1
Chromium	ND		0.0050	0.0012	mg/L		01/20/26 14:00	01/21/26 13:20	1
Copper	ND		0.0020	0.0017	mg/L		01/20/26 14:00	01/21/26 13:20	1
Molybdenum	0.0019	J	0.0050	0.0011	mg/L		01/20/26 14:00	01/21/26 13:20	1
Nickel	0.016		0.0020	0.0015	mg/L		01/20/26 14:00	01/21/26 13:20	1
Lead	ND		0.0010	0.00045	mg/L		01/20/26 14:00	01/21/26 13:20	1
Antimony	ND		0.0020	0.00057	mg/L		01/20/26 14:00	01/21/26 13:20	1
Selenium	ND		0.0050	0.00089	mg/L		01/20/26 14:00	01/21/26 13:20	1
Thallium	ND		0.0010	0.00051	mg/L		01/20/26 14:00	01/21/26 13:20	1
Vanadium	ND		0.0050	0.00082	mg/L		01/20/26 14:00	01/21/26 13:20	1
Boron	390		100	80	ug/L		01/20/26 14:00	01/22/26 10:38	5
Calcium	180		1.0	0.25	mg/L		01/20/26 14:00	01/21/26 13:20	1
Magnesium	65		1.0	0.061	mg/L		01/20/26 14:00	01/21/26 13:20	1
Lithium	0.013		0.0080	0.0034	mg/L		01/20/26 14:00	01/21/26 13:20	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.9		0.10	0.013	mg/L		01/22/26 09:59	01/26/26 01:23	1
Zinc	ND		0.0070	0.00093	mg/L		01/22/26 09:59	01/26/26 01:23	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	700		33	33	mg/L			01/23/26 10:41	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^1+	0.00020	0.00013	mg/L		01/20/26 14:00	01/21/26 13:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	400		5.0	2.6	mg/L			01/27/26 14:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	400	H	5.0	2.6	mg/L			01/28/26 10:40	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			01/27/26 14:13	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND	H	5.0	2.6	mg/L			01/28/26 10:40	1
Total Dissolved Solids (SM 2540 C-2020)	930		10	7.8	mg/L			01/19/26 16:48	1
Total Suspended Solids (SM 2540D-2020)	4.1		4.0	0.40	mg/L			01/20/26 10:07	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Client Sample ID: L601184-03 MW-19B
Date Collected: 01/13/26 17:25
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0-1993 R2.1)	75		1.0	0.13	mg/L			01/20/26 20:44	1
Fluoride (EPA 300.0-1993 R2.1)	0.24		0.050	0.024	mg/L			01/20/26 20:44	1
Sulfate (EPA 300.0-1993 R2.1)	320		5.0	1.7	mg/L			01/20/26 20:52	5

Client Sample ID: L601184-04 MW-19C
Date Collected: 01/13/26 15:05
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-4
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	7.5		3.3	0.17	mg/L		01/22/26 09:59	01/23/26 18:40	1
Na	43		0.60	0.33	mg/L		01/22/26 09:59	01/23/26 18:40	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		01/20/26 14:00	01/21/26 13:22	1
Arsenic	ND		0.0050	0.00075	mg/L		01/20/26 14:00	01/21/26 13:22	1
Barium	0.031		0.0050	0.00077	mg/L		01/20/26 14:00	01/21/26 13:22	1
Beryllium	ND		0.0010	0.00027	mg/L		01/20/26 14:00	01/21/26 13:22	1
Cadmium	ND		0.0010	0.000077	mg/L		01/20/26 14:00	01/21/26 13:22	1
Cobalt	ND		0.0010	0.000086	mg/L		01/20/26 14:00	01/21/26 13:22	1
Chromium	ND		0.0050	0.0012	mg/L		01/20/26 14:00	01/21/26 13:22	1
Copper	ND		0.0020	0.0017	mg/L		01/20/26 14:00	01/21/26 13:22	1
Molybdenum	ND		0.0050	0.0011	mg/L		01/20/26 14:00	01/21/26 13:22	1
Nickel	ND		0.0020	0.0015	mg/L		01/20/26 14:00	01/21/26 13:22	1
Lead	ND		0.0010	0.00045	mg/L		01/20/26 14:00	01/21/26 13:22	1
Antimony	ND		0.0020	0.00057	mg/L		01/20/26 14:00	01/21/26 13:22	1
Selenium	ND		0.0050	0.00089	mg/L		01/20/26 14:00	01/21/26 13:22	1
Thallium	ND		0.0010	0.00051	mg/L		01/20/26 14:00	01/21/26 13:22	1
Vanadium	ND		0.0050	0.00082	mg/L		01/20/26 14:00	01/21/26 13:22	1
Boron	1400		200	160	ug/L		01/20/26 14:00	01/22/26 10:41	10
Calcium	57		1.0	0.25	mg/L		01/20/26 14:00	01/21/26 13:22	1
Magnesium	21		1.0	0.061	mg/L		01/20/26 14:00	01/21/26 13:22	1
Lithium	0.023		0.0080	0.0034	mg/L		01/20/26 14:00	01/21/26 13:22	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.71		0.10	0.013	mg/L		01/22/26 09:59	01/26/26 01:26	1
Zinc	ND		0.0070	0.00093	mg/L		01/22/26 09:59	01/26/26 01:26	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	230		33	33	mg/L			01/23/26 10:41	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^1+	0.00020	0.00013	mg/L		01/20/26 14:00	01/21/26 13:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	330		5.0	2.6	mg/L			01/27/26 14:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	330	H	5.0	2.6	mg/L			01/28/26 10:49	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			01/27/26 14:22	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND	H	5.0	2.6	mg/L			01/28/26 10:49	1
Total Dissolved Solids (SM 2540 C-2020)	320		10	7.8	mg/L			01/19/26 16:48	1
Total Suspended Solids (SM 2540D-2020)	1.7	J	4.0	0.40	mg/L			01/20/26 10:07	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Client Sample ID: L601184-04 MW-19C
Date Collected: 01/13/26 15:05
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-4
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0-1993 R2.1)	1.9		1.0	0.13	mg/L			01/20/26 21:00	1
Fluoride (EPA 300.0-1993 R2.1)	0.44		0.050	0.024	mg/L			01/20/26 21:00	1
Sulfate (EPA 300.0-1993 R2.1)	1.8		1.0	0.35	mg/L			01/20/26 21:00	1

Client Sample ID: L601184-05 MW-19D

Date Collected: 01/13/26 09:15
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-5

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**5.7**		3.3	0.17	mg/L		01/22/26 09:59	01/23/26 18:43	1
Na	**27**		0.60	0.33	mg/L		01/22/26 09:59	01/23/26 18:43	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		01/20/26 14:00	01/21/26 13:25	1
Arsenic	ND		0.0050	0.00075	mg/L		01/20/26 14:00	01/21/26 13:25	1
Barium	**0.048**		0.0050	0.00077	mg/L		01/20/26 14:00	01/21/26 13:25	1
Beryllium	ND		0.0010	0.00027	mg/L		01/20/26 14:00	01/21/26 13:25	1
Cadmium	ND		0.0010	0.000077	mg/L		01/20/26 14:00	01/21/26 13:25	1
Cobalt	ND		0.0010	0.000086	mg/L		01/20/26 14:00	01/21/26 13:25	1
Chromium	ND		0.0050	0.0012	mg/L		01/20/26 14:00	01/21/26 13:25	1
Copper	ND		0.0020	0.0017	mg/L		01/20/26 14:00	01/21/26 13:25	1
Molybdenum	**0.0012**	**J**	0.0050	0.0011	mg/L		01/20/26 14:00	01/21/26 13:25	1
Nickel	ND		0.0020	0.0015	mg/L		01/20/26 14:00	01/21/26 13:25	1
Lead	ND		0.0010	0.00045	mg/L		01/20/26 14:00	01/21/26 13:25	1
Antimony	ND		0.0020	0.00057	mg/L		01/20/26 14:00	01/21/26 13:25	1
Selenium	ND		0.0050	0.00089	mg/L		01/20/26 14:00	01/21/26 13:25	1
Thallium	ND		0.0010	0.00051	mg/L		01/20/26 14:00	01/21/26 13:25	1
Vanadium	ND		0.0050	0.00082	mg/L		01/20/26 14:00	01/21/26 13:25	1
Boron	**530**		100	80	ug/L		01/20/26 14:00	01/22/26 10:43	5
Calcium	**69**		1.0	0.25	mg/L		01/20/26 14:00	01/21/26 13:25	1
Magnesium	**25**		1.0	0.061	mg/L		01/20/26 14:00	01/21/26 13:25	1
Lithium	**0.022**		0.0080	0.0034	mg/L		01/20/26 14:00	01/21/26 13:25	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.68**		0.10	0.013	mg/L		01/22/26 09:59	01/26/26 01:29	1
Zinc	ND		0.0070	0.00093	mg/L		01/22/26 09:59	01/26/26 01:29	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**280**		33	33	mg/L			01/23/26 10:41	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^1+	0.00020	0.00013	mg/L		01/20/26 14:00	01/21/26 13:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**320**		5.0	2.6	mg/L			01/27/26 14:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**320**	**H**	5.0	2.6	mg/L			01/28/26 10:57	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			01/27/26 14:31	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND	H	5.0	2.6	mg/L			01/28/26 10:57	1
Total Dissolved Solids (SM 2540 C-2020)	**310**		10	7.8	mg/L			01/20/26 09:24	1
Total Suspended Solids (SM 2540D-2020)	**1.3**	**J**	4.0	0.40	mg/L			01/20/26 10:07	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Client Sample ID: L601184-05 MW-19D
Date Collected: 01/13/26 09:15
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0-1993 R2.1)	1.1		1.0	0.13	mg/L			01/20/26 19:51	1
Fluoride (EPA 300.0-1993 R2.1)	0.43		0.050	0.024	mg/L			01/20/26 19:51	1
Sulfate (EPA 300.0-1993 R2.1)	12		1.0	0.35	mg/L			01/20/26 19:51	1

Client Sample ID: L601184-06 MWT-19A
Date Collected: 01/13/26 13:34
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-6
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	1.8	J	3.3	0.17	mg/L		01/22/26 09:59	01/23/26 18:47	1
Na	48		0.60	0.33	mg/L		01/22/26 09:59	01/23/26 18:47	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		01/20/26 14:00	01/21/26 13:28	1
Arsenic	0.0043	J	0.0050	0.00075	mg/L		01/20/26 14:00	01/21/26 13:28	1
Barium	0.086		0.0050	0.00077	mg/L		01/20/26 14:00	01/21/26 13:28	1
Beryllium	ND		0.0010	0.00027	mg/L		01/20/26 14:00	01/21/26 13:28	1
Cadmium	ND		0.0010	0.000077	mg/L		01/20/26 14:00	01/21/26 13:28	1
Cobalt	ND		0.0010	0.000086	mg/L		01/20/26 14:00	01/21/26 13:28	1
Chromium	ND		0.0050	0.0012	mg/L		01/20/26 14:00	01/21/26 13:28	1
Copper	ND		0.0020	0.0017	mg/L		01/20/26 14:00	01/21/26 13:28	1
Molybdenum	0.0021	J	0.0050	0.0011	mg/L		01/20/26 14:00	01/21/26 13:28	1
Nickel	0.011		0.0020	0.0015	mg/L		01/20/26 14:00	01/21/26 13:28	1
Lead	ND		0.0010	0.00045	mg/L		01/20/26 14:00	01/21/26 13:28	1
Antimony	ND		0.0020	0.00057	mg/L		01/20/26 14:00	01/21/26 13:28	1
Selenium	ND		0.0050	0.00089	mg/L		01/20/26 14:00	01/21/26 13:28	1
Thallium	ND		0.0010	0.00051	mg/L		01/20/26 14:00	01/21/26 13:28	1
Vanadium	ND		0.0050	0.00082	mg/L		01/20/26 14:00	01/21/26 13:28	1
Boron	240		40	32	ug/L		01/20/26 14:00	01/22/26 10:46	2
Calcium	190		1.0	0.25	mg/L		01/20/26 14:00	01/21/26 13:28	1
Magnesium	61		1.0	0.061	mg/L		01/20/26 14:00	01/21/26 13:28	1
Lithium	0.0099		0.0080	0.0034	mg/L		01/20/26 14:00	01/21/26 13:28	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	5.1		0.10	0.013	mg/L		01/22/26 09:59	01/26/26 01:32	1
Zinc	0.0025	J	0.0070	0.00093	mg/L		01/22/26 09:59	01/26/26 01:32	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	720		33	33	mg/L			01/27/26 11:08	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^1+	0.00020	0.00013	mg/L		01/20/26 14:00	01/21/26 13:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	390		5.0	2.6	mg/L			01/27/26 14:39	1
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	390	H	5.0	2.6	mg/L			01/28/26 11:13	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			01/27/26 14:39	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND	H	5.0	2.6	mg/L			01/28/26 11:13	1
Total Dissolved Solids (SM 2540 C-2020)	1000		10	7.8	mg/L			01/20/26 09:24	1
Total Suspended Solids (SM 2540D-2020)	10		8.0	0.80	mg/L			01/20/26 10:07	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Client Sample ID: L601184-06 MWT-19A
Date Collected: 01/13/26 13:34
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-6
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0-1993 R2.1)	110		1.0	0.13	mg/L			01/20/26 21:15	1
Fluoride (EPA 300.0-1993 R2.1)	0.18		0.050	0.024	mg/L			01/20/26 21:15	1
Sulfate (EPA 300.0-1993 R2.1)	280		5.0	1.7	mg/L			01/20/26 21:22	5

Client Sample ID: L601184-07 FIELD BLANK

Lab Sample ID: 240-241806-7

Date Collected: 01/13/26 08:00

Matrix: Water

Date Received: 01/15/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		01/22/26 09:59	01/23/26 18:50	1
Na	ND		0.60	0.33	mg/L		01/22/26 09:59	01/23/26 18:50	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		01/20/26 14:00	01/21/26 13:30	1
Arsenic	ND		0.0050	0.00075	mg/L		01/20/26 14:00	01/21/26 13:30	1
Barium	ND		0.0050	0.00077	mg/L		01/20/26 14:00	01/21/26 13:30	1
Beryllium	ND		0.0010	0.00027	mg/L		01/20/26 14:00	01/21/26 13:30	1
Cadmium	ND		0.0010	0.000077	mg/L		01/20/26 14:00	01/21/26 13:30	1
Cobalt	ND		0.0010	0.000086	mg/L		01/20/26 14:00	01/21/26 13:30	1
Chromium	ND		0.0050	0.0012	mg/L		01/20/26 14:00	01/21/26 13:30	1
Copper	ND		0.0020	0.0017	mg/L		01/20/26 14:00	01/21/26 13:30	1
Molybdenum	ND		0.0050	0.0011	mg/L		01/20/26 14:00	01/21/26 13:30	1
Nickel	ND		0.0020	0.0015	mg/L		01/20/26 14:00	01/21/26 13:30	1
Lead	ND		0.0010	0.00045	mg/L		01/20/26 14:00	01/21/26 13:30	1
Antimony	ND		0.0020	0.00057	mg/L		01/20/26 14:00	01/21/26 13:30	1
Selenium	ND		0.0050	0.00089	mg/L		01/20/26 14:00	01/21/26 13:30	1
Thallium	ND		0.0010	0.00051	mg/L		01/20/26 14:00	01/21/26 13:30	1
Vanadium	ND		0.0050	0.00082	mg/L		01/20/26 14:00	01/21/26 13:30	1
Boron	ND		20	16	ug/L		01/20/26 14:00	01/22/26 10:49	1
Calcium	ND		1.0	0.25	mg/L		01/20/26 14:00	01/21/26 13:30	1
Magnesium	ND		1.0	0.061	mg/L		01/20/26 14:00	01/21/26 13:30	1
Lithium	ND		0.0080	0.0034	mg/L		01/20/26 14:00	01/21/26 13:30	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.081**	**J**	0.10	0.013	mg/L		01/22/26 09:59	01/26/26 01:34	1
Zinc	ND		0.0070	0.00093	mg/L		01/22/26 09:59	01/26/26 01:34	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		33	33	mg/L			01/23/26 10:41	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^1+	0.00020	0.00013	mg/L		01/20/26 14:00	01/21/26 13:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			01/27/26 14:48	1
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND	H	5.0	2.6	mg/L			01/28/26 11:23	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			01/27/26 14:48	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND	H	5.0	2.6	mg/L			01/28/26 11:23	1
Total Dissolved Solids (SM 2540 C-2020)	ND		10	7.8	mg/L			01/20/26 09:24	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			01/20/26 10:07	1

Client Sample ID: L601184-07 FIELD BLANK
Lab Sample ID: 240-241806-7
Date Collected: 01/13/26 08:00
Matrix: Water
Date Received: 01/15/26 08:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0-1993 R2.1)	ND		1.0	0.13	mg/L			01/20/26 20:14	1
Fluoride (EPA 300.0-1993 R2.1)	ND		0.050	0.024	mg/L			01/20/26 20:14	1
Sulfate (EPA 300.0-1993 R2.1)	ND		1.0	0.35	mg/L			01/20/26 20:14	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 350-12301/1-A
Matrix: Water
Analysis Batch: 12337

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		01/22/26 09:59	01/23/26 18:00	1
Na	ND		0.60	0.33	mg/L		01/22/26 09:59	01/23/26 18:00	1

Lab Sample ID: LCS 350-12301/2-A
Matrix: Water
Analysis Batch: 12337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
K	20.0	19.5		mg/L		98	85 - 115
Na	20.0	18.6		mg/L		93	85 - 115

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 350-12301/1-A
Matrix: Water
Analysis Batch: 12348

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		01/22/26 09:59	01/25/26 23:56	1
Zinc	ND		0.0070	0.00093	mg/L		01/22/26 09:59	01/25/26 23:56	1

Lab Sample ID: MB 350-12301/1-A
Matrix: Water
Analysis Batch: 12389

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		01/22/26 09:59	01/27/26 19:15	1
Zinc	0.00103	J	0.0070	0.00093	mg/L		01/22/26 09:59	01/27/26 19:15	1

Lab Sample ID: LCS 350-12301/2-A
Matrix: Water
Analysis Batch: 12348

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	20.0	19.9		mg/L		99	85 - 115
Zinc	1.00	0.991		mg/L		99	85 - 115

Lab Sample ID: LCS 350-12301/2-A
Matrix: Water
Analysis Batch: 12389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	20.0	20.8		mg/L		104	85 - 115
Zinc	1.00	0.980		mg/L		98	85 - 115

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: MB 240-688038/1-A
Matrix: Water
Analysis Batch: 688209

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 688038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		01/20/26 14:00	01/21/26 12:23	1
Arsenic	ND		0.0050	0.00075	mg/L		01/20/26 14:00	01/21/26 12:23	1
Barium	ND		0.0050	0.00077	mg/L		01/20/26 14:00	01/21/26 12:23	1
Beryllium	ND		0.0010	0.00027	mg/L		01/20/26 14:00	01/21/26 12:23	1
Cadmium	ND		0.0010	0.000077	mg/L		01/20/26 14:00	01/21/26 12:23	1
Cobalt	ND		0.0010	0.000086	mg/L		01/20/26 14:00	01/21/26 12:23	1
Chromium	ND		0.0050	0.0012	mg/L		01/20/26 14:00	01/21/26 12:23	1
Copper	ND		0.0020	0.0017	mg/L		01/20/26 14:00	01/21/26 12:23	1
Molybdenum	ND		0.0050	0.0011	mg/L		01/20/26 14:00	01/21/26 12:23	1
Nickel	ND		0.0020	0.0015	mg/L		01/20/26 14:00	01/21/26 12:23	1
Lead	ND		0.0010	0.00045	mg/L		01/20/26 14:00	01/21/26 12:23	1
Antimony	ND		0.0020	0.00057	mg/L		01/20/26 14:00	01/21/26 12:23	1
Selenium	ND		0.0050	0.00089	mg/L		01/20/26 14:00	01/21/26 12:23	1
Thallium	ND		0.0010	0.00051	mg/L		01/20/26 14:00	01/21/26 12:23	1
Vanadium	ND		0.0050	0.00082	mg/L		01/20/26 14:00	01/21/26 12:23	1
Calcium	ND		1.0	0.25	mg/L		01/20/26 14:00	01/21/26 12:23	1
Magnesium	ND		1.0	0.061	mg/L		01/20/26 14:00	01/21/26 12:23	1
Lithium	ND		0.0080	0.0034	mg/L		01/20/26 14:00	01/21/26 12:23	1

Lab Sample ID: MB 240-688038/1-A
Matrix: Water
Analysis Batch: 688350

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 688038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		20	16	ug/L		01/20/26 14:00	01/22/26 09:45	1

Lab Sample ID: LCS 240-688038/3-A
Matrix: Water
Analysis Batch: 688209

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 688038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.100	0.101		mg/L		101	85 - 115
Arsenic	1.00	0.980		mg/L		98	85 - 115
Barium	1.00	0.965		mg/L		96	85 - 115
Beryllium	0.500	0.519		mg/L		104	85 - 115
Cadmium	0.500	0.510		mg/L		102	85 - 115
Cobalt	0.500	0.524		mg/L		105	85 - 115
Chromium	0.500	0.486		mg/L		97	85 - 115
Copper	0.500	0.497		mg/L		99	85 - 115
Molybdenum	0.500	0.505		mg/L		101	85 - 115
Nickel	0.500	0.521		mg/L		104	85 - 115
Lead	0.500	0.514		mg/L		103	85 - 115
Antimony	0.100	0.102		mg/L		102	85 - 115
Selenium	1.00	0.933		mg/L		93	85 - 115
Thallium	1.00	1.10		mg/L		110	85 - 115
Vanadium	0.500	0.510		mg/L		102	85 - 115
Calcium	25.0	25.4		mg/L		102	85 - 115
Magnesium	25.0	26.6		mg/L		106	85 - 115
Lithium	0.500	0.516		mg/L		103	85 - 115

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: LCS 240-688038/3-A
Matrix: Water
Analysis Batch: 688350

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 688038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	100	103		ug/L		103	85 - 115

Method: 245.1-1994 R3.0 - Mercury (CVAA)

Lab Sample ID: MB 240-688044/1-A
Matrix: Water
Analysis Batch: 688221

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688044

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^1+	0.00020	0.00013	mg/L		01/20/26 14:00	01/21/26 12:39	1

Lab Sample ID: LCS 240-688044/2-A
Matrix: Water
Analysis Batch: 688221

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00481	^1+	mg/L		96	85 - 115

Method: 2320 B-2021 - Alkalinity

Lab Sample ID: MB 240-688876/4
Matrix: Water
Analysis Batch: 688876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			01/28/26 09:21	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			01/28/26 09:21	1

Lab Sample ID: 240-241806-5 DU
Matrix: Water
Analysis Batch: 688876

Client Sample ID: L601184-05 MW-19D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity as CaCO3	320	H	322		mg/L		0.2	20
Carbonate Alkalinity as CaCO3	ND	H	ND		mg/L		NC	20

Method: 2540 C-2020 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-687943/1
Matrix: Water
Analysis Batch: 687943

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			01/19/26 16:40	1

Lab Sample ID: LCS 240-687943/2
Matrix: Water
Analysis Batch: 687943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	495	492		mg/L		99	80 - 120

Method: 2540 C-2020 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-688003/1
Matrix: Water
Analysis Batch: 688003

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			01/20/26 09:24	1

Lab Sample ID: LCS 240-688003/2
Matrix: Water
Analysis Batch: 688003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	495	478		mg/L		97	80 - 120

Method: 2540D-2020 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-688014/1
Matrix: Water
Analysis Batch: 688014

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			01/20/26 10:07	1

Lab Sample ID: LCS 240-688014/2
Matrix: Water
Analysis Batch: 688014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	500	442		mg/L		88	64 - 120

Lab Sample ID: 240-241806-6 DU
Matrix: Water
Analysis Batch: 688014

Client Sample ID: L601184-06 MWT-19A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	10		10.4		mg/L		2	10

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 240-688076/3
Matrix: Water
Analysis Batch: 688076

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.13	mg/L			01/20/26 17:10	1
Fluoride	ND		0.050	0.024	mg/L			01/20/26 17:10	1
Sulfate	ND		1.0	0.35	mg/L			01/20/26 17:10	1

Lab Sample ID: LCS 240-688076/4
Matrix: Water
Analysis Batch: 688076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	51.2		mg/L		102	90 - 110
Fluoride	2.50	2.58		mg/L		103	90 - 110

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 240-688076/4
Matrix: Water
Analysis Batch: 688076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	50.0	52.4		mg/L		105	90 - 110

Lab Sample ID: 240-241806-1 MS
Matrix: Water
Analysis Batch: 688076

Client Sample ID: L601184-01 MW-7D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.4		50.0	56.3		mg/L		110	80 - 120
Fluoride	0.38		2.50	3.00		mg/L		105	80 - 120
Sulfate	8.6		50.0	64.2		mg/L		111	80 - 120

Lab Sample ID: 240-241806-1 MSD
Matrix: Water
Analysis Batch: 688076

Client Sample ID: L601184-01 MW-7D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.4		50.0	55.5		mg/L		108	80 - 120	1	15
Fluoride	0.38		2.50	2.96		mg/L		103	80 - 120	1	15
Sulfate	8.6		50.0	62.9		mg/L		109	80 - 120	2	15

Metals

Prep Batch: 12301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total/NA	Water	200.8	
240-241806-2	L601184-02 MW-19A	Total/NA	Water	200.8	
240-241806-3	L601184-03 MW-19B	Total/NA	Water	200.8	
240-241806-4	L601184-04 MW-19C	Total/NA	Water	200.8	
240-241806-5	L601184-05 MW-19D	Total/NA	Water	200.8	
240-241806-6	L601184-06 MWT-19A	Total/NA	Water	200.8	
240-241806-7	L601184-07 FIELD BLANK	Total/NA	Water	200.8	
MB 350-12301/1-A	Method Blank	Total/NA	Water	200.8	
LCS 350-12301/2-A	Lab Control Sample	Total/NA	Water	200.8	

Analysis Batch: 12337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total/NA	Water	200.7 Rev 4.4	12301
240-241806-2	L601184-02 MW-19A	Total/NA	Water	200.7 Rev 4.4	12301
240-241806-3	L601184-03 MW-19B	Total/NA	Water	200.7 Rev 4.4	12301
240-241806-4	L601184-04 MW-19C	Total/NA	Water	200.7 Rev 4.4	12301
240-241806-5	L601184-05 MW-19D	Total/NA	Water	200.7 Rev 4.4	12301
240-241806-6	L601184-06 MWT-19A	Total/NA	Water	200.7 Rev 4.4	12301
240-241806-7	L601184-07 FIELD BLANK	Total/NA	Water	200.7 Rev 4.4	12301
MB 350-12301/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	12301
LCS 350-12301/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	12301

Analysis Batch: 12348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total/NA	Water	200.8	12301
240-241806-2	L601184-02 MW-19A	Total/NA	Water	200.8	12301
240-241806-3	L601184-03 MW-19B	Total/NA	Water	200.8	12301
240-241806-4	L601184-04 MW-19C	Total/NA	Water	200.8	12301
240-241806-5	L601184-05 MW-19D	Total/NA	Water	200.8	12301
240-241806-6	L601184-06 MWT-19A	Total/NA	Water	200.8	12301
240-241806-7	L601184-07 FIELD BLANK	Total/NA	Water	200.8	12301
MB 350-12301/1-A	Method Blank	Total/NA	Water	200.8	12301
LCS 350-12301/2-A	Lab Control Sample	Total/NA	Water	200.8	12301

Analysis Batch: 12389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 350-12301/1-A	Method Blank	Total/NA	Water	200.8	12301
LCS 350-12301/2-A	Lab Control Sample	Total/NA	Water	200.8	12301

Prep Batch: 688038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	
240-241806-2	L601184-02 MW-19A	Total Recoverable	Water	200.8-1994 R5.4	
240-241806-3	L601184-03 MW-19B	Total Recoverable	Water	200.8-1994 R5.4	
240-241806-4	L601184-04 MW-19C	Total Recoverable	Water	200.8-1994 R5.4	
240-241806-5	L601184-05 MW-19D	Total Recoverable	Water	200.8-1994 R5.4	
240-241806-6	L601184-06 MWT-19A	Total Recoverable	Water	200.8-1994 R5.4	
240-241806-7	L601184-07 FIELD BLANK	Total Recoverable	Water	200.8-1994 R5.4	
MB 240-688038/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-688038/3-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	

Metals

Prep Batch: 688044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total/NA	Water	245.1-1994 R3.0	
240-241806-2	L601184-02 MW-19A	Total/NA	Water	245.1-1994 R3.0	
240-241806-3	L601184-03 MW-19B	Total/NA	Water	245.1-1994 R3.0	
240-241806-4	L601184-04 MW-19C	Total/NA	Water	245.1-1994 R3.0	
240-241806-5	L601184-05 MW-19D	Total/NA	Water	245.1-1994 R3.0	
240-241806-6	L601184-06 MWT-19A	Total/NA	Water	245.1-1994 R3.0	
240-241806-7	L601184-07 FIELD BLANK	Total/NA	Water	245.1-1994 R3.0	
MB 240-688044/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	
LCS 240-688044/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	

Analysis Batch: 688209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	688038
240-241806-2	L601184-02 MW-19A	Total Recoverable	Water	200.8-1994 R5.4	688038
240-241806-3	L601184-03 MW-19B	Total Recoverable	Water	200.8-1994 R5.4	688038
240-241806-4	L601184-04 MW-19C	Total Recoverable	Water	200.8-1994 R5.4	688038
240-241806-5	L601184-05 MW-19D	Total Recoverable	Water	200.8-1994 R5.4	688038
240-241806-6	L601184-06 MWT-19A	Total Recoverable	Water	200.8-1994 R5.4	688038
240-241806-7	L601184-07 FIELD BLANK	Total Recoverable	Water	200.8-1994 R5.4	688038
MB 240-688038/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	688038
LCS 240-688038/3-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	688038

Analysis Batch: 688221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total/NA	Water	245.1-1994 R3.0	688044
240-241806-2	L601184-02 MW-19A	Total/NA	Water	245.1-1994 R3.0	688044
240-241806-3	L601184-03 MW-19B	Total/NA	Water	245.1-1994 R3.0	688044
240-241806-4	L601184-04 MW-19C	Total/NA	Water	245.1-1994 R3.0	688044
240-241806-5	L601184-05 MW-19D	Total/NA	Water	245.1-1994 R3.0	688044
240-241806-6	L601184-06 MWT-19A	Total/NA	Water	245.1-1994 R3.0	688044
240-241806-7	L601184-07 FIELD BLANK	Total/NA	Water	245.1-1994 R3.0	688044
MB 240-688044/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	688044
LCS 240-688044/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	688044

Analysis Batch: 688350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	688038
240-241806-2	L601184-02 MW-19A	Total Recoverable	Water	200.8-1994 R5.4	688038
240-241806-3	L601184-03 MW-19B	Total Recoverable	Water	200.8-1994 R5.4	688038
240-241806-4	L601184-04 MW-19C	Total Recoverable	Water	200.8-1994 R5.4	688038
240-241806-5	L601184-05 MW-19D	Total Recoverable	Water	200.8-1994 R5.4	688038
240-241806-6	L601184-06 MWT-19A	Total Recoverable	Water	200.8-1994 R5.4	688038
240-241806-7	L601184-07 FIELD BLANK	Total Recoverable	Water	200.8-1994 R5.4	688038
MB 240-688038/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	688038
LCS 240-688038/3-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	688038

Analysis Batch: 688470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total Recoverable	Water	2340 B-2021	
240-241806-2	L601184-02 MW-19A	Total Recoverable	Water	2340 B-2021	
240-241806-3	L601184-03 MW-19B	Total Recoverable	Water	2340 B-2021	

Metals (Continued)

Analysis Batch: 688470 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-4	L601184-04 MW-19C	Total Recoverable	Water	2340 B-2021	
240-241806-5	L601184-05 MW-19D	Total Recoverable	Water	2340 B-2021	
240-241806-7	L601184-07 FIELD BLANK	Total Recoverable	Water	2340 B-2021	

Analysis Batch: 688705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-6	L601184-06 MWT-19A	Total Recoverable	Water	2340 B-2021	

General Chemistry

Analysis Batch: 687943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total/NA	Water	2540 C-2020	
240-241806-2	L601184-02 MW-19A	Total/NA	Water	2540 C-2020	
240-241806-3	L601184-03 MW-19B	Total/NA	Water	2540 C-2020	
240-241806-4	L601184-04 MW-19C	Total/NA	Water	2540 C-2020	
MB 240-687943/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-687943/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 688003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-5	L601184-05 MW-19D	Total/NA	Water	2540 C-2020	
240-241806-6	L601184-06 MWT-19A	Total/NA	Water	2540 C-2020	
240-241806-7	L601184-07 FIELD BLANK	Total/NA	Water	2540 C-2020	
MB 240-688003/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-688003/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 688014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total/NA	Water	2540D-2020	
240-241806-2	L601184-02 MW-19A	Total/NA	Water	2540D-2020	
240-241806-3	L601184-03 MW-19B	Total/NA	Water	2540D-2020	
240-241806-4	L601184-04 MW-19C	Total/NA	Water	2540D-2020	
240-241806-5	L601184-05 MW-19D	Total/NA	Water	2540D-2020	
240-241806-6	L601184-06 MWT-19A	Total/NA	Water	2540D-2020	
240-241806-7	L601184-07 FIELD BLANK	Total/NA	Water	2540D-2020	
MB 240-688014/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-688014/2	Lab Control Sample	Total/NA	Water	2540D-2020	
240-241806-6 DU	L601184-06 MWT-19A	Total/NA	Water	2540D-2020	

Analysis Batch: 688076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total/NA	Water	300.0-1993 R2.1	
240-241806-2	L601184-02 MW-19A	Total/NA	Water	300.0-1993 R2.1	
240-241806-2	L601184-02 MW-19A	Total/NA	Water	300.0-1993 R2.1	
240-241806-3	L601184-03 MW-19B	Total/NA	Water	300.0-1993 R2.1	
240-241806-3	L601184-03 MW-19B	Total/NA	Water	300.0-1993 R2.1	
240-241806-4	L601184-04 MW-19C	Total/NA	Water	300.0-1993 R2.1	
240-241806-5	L601184-05 MW-19D	Total/NA	Water	300.0-1993 R2.1	
240-241806-6	L601184-06 MWT-19A	Total/NA	Water	300.0-1993 R2.1	
240-241806-6	L601184-06 MWT-19A	Total/NA	Water	300.0-1993 R2.1	

General Chemistry (Continued)

Analysis Batch: 688076 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-7	L601184-07 FIELD BLANK	Total/NA	Water	300.0-1993 R2.1	
MB 240-688076/3	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 240-688076/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
240-241806-1 MS	L601184-01 MW-7D	Total/NA	Water	300.0-1993 R2.1	
240-241806-1 MSD	L601184-01 MW-7D	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 688764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total/NA	Water	2320 B-2021	
240-241806-2	L601184-02 MW-19A	Total/NA	Water	2320 B-2021	
240-241806-3	L601184-03 MW-19B	Total/NA	Water	2320 B-2021	
240-241806-4	L601184-04 MW-19C	Total/NA	Water	2320 B-2021	
240-241806-5	L601184-05 MW-19D	Total/NA	Water	2320 B-2021	
240-241806-6	L601184-06 MWT-19A	Total/NA	Water	2320 B-2021	
240-241806-7	L601184-07 FIELD BLANK	Total/NA	Water	2320 B-2021	

Analysis Batch: 688876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total/NA	Water	2320 B-2021	
240-241806-2	L601184-02 MW-19A	Total/NA	Water	2320 B-2021	
240-241806-3	L601184-03 MW-19B	Total/NA	Water	2320 B-2021	
240-241806-4	L601184-04 MW-19C	Total/NA	Water	2320 B-2021	
240-241806-5	L601184-05 MW-19D	Total/NA	Water	2320 B-2021	
240-241806-6	L601184-06 MWT-19A	Total/NA	Water	2320 B-2021	
240-241806-7	L601184-07 FIELD BLANK	Total/NA	Water	2320 B-2021	
MB 240-688876/4	Method Blank	Total/NA	Water	2320 B-2021	
240-241806-5 DU	L601184-05 MW-19D	Total/NA	Water	2320 B-2021	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Client Sample ID: L601184-01 MW-7D

Lab Sample ID: 240-241806-1

Date Collected: 01/13/26 15:22
Matrix: Water
Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.7 Rev 4.4		1	12337	JLS	EET SSM	01/23/26 18:30
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.8		1	12348	JL	EET SSM	01/26/26 01:17
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	688209	AJC	EET CLE	01/21/26 13:14
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		10	688350	AJC	EET CLE	01/22/26 10:33
Total Recoverable	Analysis	2340 B-2021		1	688470	KLC	EET CLE	01/23/26 10:41
Total/NA	Prep	245.1-1994 R3.0			688044	F3PF	EET CLE	01/20/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	688221	GEV	EET CLE	01/21/26 12:59
Total/NA	Analysis	2320 B-2021		1	688764	JMR	EET CLE	01/27/26 13:55
Total/NA	Analysis	2320 B-2021		1	688876	JMR	EET CLE	01/28/26 10:20
Total/NA	Analysis	2540 C-2020		1	687943	AAP	EET CLE	01/19/26 16:48
Total/NA	Analysis	2540D-2020		1	688014	TAV2	EET CLE	01/20/26 10:07
Total/NA	Analysis	300.0-1993 R2.1		1	688076	JWW	EET CLE	01/20/26 19:28

Client Sample ID: L601184-02 MW-19A

Lab Sample ID: 240-241806-2

Date Collected: 01/13/26 13:34
Matrix: Water
Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.7 Rev 4.4		1	12337	JLS	EET SSM	01/23/26 18:33
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.8		1	12348	JL	EET SSM	01/26/26 01:20
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	688209	AJC	EET CLE	01/21/26 13:17
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		2	688350	AJC	EET CLE	01/22/26 10:35
Total Recoverable	Analysis	2340 B-2021		1	688470	KLC	EET CLE	01/23/26 10:41
Total/NA	Prep	245.1-1994 R3.0			688044	F3PF	EET CLE	01/20/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	688221	GEV	EET CLE	01/21/26 13:01
Total/NA	Analysis	2320 B-2021		1	688764	JMR	EET CLE	01/27/26 14:04
Total/NA	Analysis	2320 B-2021		1	688876	JMR	EET CLE	01/28/26 10:31
Total/NA	Analysis	2540 C-2020		1	687943	AAP	EET CLE	01/19/26 16:48
Total/NA	Analysis	2540D-2020		1	688014	TAV2	EET CLE	01/20/26 10:07
Total/NA	Analysis	300.0-1993 R2.1		1	688076	JWW	EET CLE	01/20/26 20:29
Total/NA	Analysis	300.0-1993 R2.1		5	688076	JWW	EET CLE	01/20/26 20:37

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Client Sample ID: L601184-03 MW-19B

Lab Sample ID: 240-241806-3

Date Collected: 01/13/26 17:25

Matrix: Water

Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.7 Rev 4.4		1	12337	JLS	EET SSM	01/23/26 18:37
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.8		1	12348	JL	EET SSM	01/26/26 01:23
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	688209	AJC	EET CLE	01/21/26 13:20
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		5	688350	AJC	EET CLE	01/22/26 10:38
Total Recoverable	Analysis	2340 B-2021		1	688470	KLC	EET CLE	01/23/26 10:41
Total/NA	Prep	245.1-1994 R3.0			688044	F3PF	EET CLE	01/20/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	688221	GEV	EET CLE	01/21/26 13:02
Total/NA	Analysis	2320 B-2021		1	688764	JMR	EET CLE	01/27/26 14:13
Total/NA	Analysis	2320 B-2021		1	688876	JMR	EET CLE	01/28/26 10:40
Total/NA	Analysis	2540 C-2020		1	687943	AAP	EET CLE	01/19/26 16:48
Total/NA	Analysis	2540D-2020		1	688014	TAV2	EET CLE	01/20/26 10:07
Total/NA	Analysis	300.0-1993 R2.1		1	688076	JWW	EET CLE	01/20/26 20:44
Total/NA	Analysis	300.0-1993 R2.1		5	688076	JWW	EET CLE	01/20/26 20:52

Client Sample ID: L601184-04 MW-19C

Lab Sample ID: 240-241806-4

Date Collected: 01/13/26 15:05

Matrix: Water

Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.7 Rev 4.4		1	12337	JLS	EET SSM	01/23/26 18:40
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.8		1	12348	JL	EET SSM	01/26/26 01:26
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	688209	AJC	EET CLE	01/21/26 13:22
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		10	688350	AJC	EET CLE	01/22/26 10:41
Total Recoverable	Analysis	2340 B-2021		1	688470	KLC	EET CLE	01/23/26 10:41
Total/NA	Prep	245.1-1994 R3.0			688044	F3PF	EET CLE	01/20/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	688221	GEV	EET CLE	01/21/26 13:04
Total/NA	Analysis	2320 B-2021		1	688764	JMR	EET CLE	01/27/26 14:22
Total/NA	Analysis	2320 B-2021		1	688876	JMR	EET CLE	01/28/26 10:49
Total/NA	Analysis	2540 C-2020		1	687943	AAP	EET CLE	01/19/26 16:48
Total/NA	Analysis	2540D-2020		1	688014	TAV2	EET CLE	01/20/26 10:07
Total/NA	Analysis	300.0-1993 R2.1		1	688076	JWW	EET CLE	01/20/26 21:00

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Client Sample ID: L601184-05 MW-19D

Lab Sample ID: 240-241806-5

Date Collected: 01/13/26 09:15
Matrix: Water
Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.7 Rev 4.4		1	12337	JLS	EET SSM	01/23/26 18:43
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.8		1	12348	JL	EET SSM	01/26/26 01:29
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	688209	AJC	EET CLE	01/21/26 13:25
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		5	688350	AJC	EET CLE	01/22/26 10:43
Total Recoverable	Analysis	2340 B-2021		1	688470	KLC	EET CLE	01/23/26 10:41
Total/NA	Prep	245.1-1994 R3.0			688044	F3PF	EET CLE	01/20/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	688221	GEV	EET CLE	01/21/26 13:06
Total/NA	Analysis	2320 B-2021		1	688764	JMR	EET CLE	01/27/26 14:31
Total/NA	Analysis	2320 B-2021		1	688876	JMR	EET CLE	01/28/26 10:57
Total/NA	Analysis	2540 C-2020		1	688003	TAV2	EET CLE	01/20/26 09:24
Total/NA	Analysis	2540D-2020		1	688014	TAV2	EET CLE	01/20/26 10:07
Total/NA	Analysis	300.0-1993 R2.1		1	688076	JWW	EET CLE	01/20/26 19:51

Client Sample ID: L601184-06 MWT-19A

Lab Sample ID: 240-241806-6

Date Collected: 01/13/26 13:34
Matrix: Water
Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.7 Rev 4.4		1	12337	JLS	EET SSM	01/23/26 18:47
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.8		1	12348	JL	EET SSM	01/26/26 01:32
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	688209	AJC	EET CLE	01/21/26 13:28
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		2	688350	AJC	EET CLE	01/22/26 10:46
Total Recoverable	Analysis	2340 B-2021		1	688705	RKT	EET CLE	01/27/26 11:08
Total/NA	Prep	245.1-1994 R3.0			688044	F3PF	EET CLE	01/20/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	688221	GEV	EET CLE	01/21/26 13:08
Total/NA	Analysis	2320 B-2021		1	688764	JMR	EET CLE	01/27/26 14:39
Total/NA	Analysis	2320 B-2021		1	688876	JMR	EET CLE	01/28/26 11:13
Total/NA	Analysis	2540 C-2020		1	688003	TAV2	EET CLE	01/20/26 09:24
Total/NA	Analysis	2540D-2020		1	688014	TAV2	EET CLE	01/20/26 10:07
Total/NA	Analysis	300.0-1993 R2.1		1	688076	JWW	EET CLE	01/20/26 21:15
Total/NA	Analysis	300.0-1993 R2.1		5	688076	JWW	EET CLE	01/20/26 21:22

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Client Sample ID: L601184-07 FIELD BLANK

Lab Sample ID: 240-241806-7

Date Collected: 01/13/26 08:00

Matrix: Water

Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.7 Rev 4.4		1	12337	JLS	EET SSM	01/23/26 18:50
Total/NA	Prep	200.8			12301	KC	EET SSM	01/22/26 09:59
Total/NA	Analysis	200.8		1	12348	JL	EET SSM	01/26/26 01:34
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	688209	AJC	EET CLE	01/21/26 13:30
Total Recoverable	Prep	200.8-1994 R5.4			688038	F3PF	EET CLE	01/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	688350	AJC	EET CLE	01/22/26 10:49
Total Recoverable	Analysis	2340 B-2021		1	688470	KLC	EET CLE	01/23/26 10:41
Total/NA	Prep	245.1-1994 R3.0			688044	F3PF	EET CLE	01/20/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	688221	GEV	EET CLE	01/21/26 13:09
Total/NA	Analysis	2320 B-2021		1	688764	JMR	EET CLE	01/27/26 14:48
Total/NA	Analysis	2320 B-2021		1	688876	JMR	EET CLE	01/28/26 11:23
Total/NA	Analysis	2540 C-2020		1	688003	TAV2	EET CLE	01/20/26 09:24
Total/NA	Analysis	2540D-2020		1	688014	TAV2	EET CLE	01/20/26 10:07
Total/NA	Analysis	300.0-1993 R2.1		1	688076	JWW	EET CLE	01/20/26 20:14

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-1

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-26

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
Arizona	State	AZ0854	01-13-27
California	State	2954	07-07-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	06-30-26
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167	07-07-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-25-24-59583A1	01-24-28
Washington	State	C788	07-13-26
Wisconsin	State	399133460	08-31-26

Chain of Custody

Return Samples to: Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

240-241806 COC

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer

Description:
Erickson Wellfield Project

Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	903.0PrecSep_21 Ra-226 [STD]	Ra226_228GFPC_P Combined Ra226&228 [160]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	904.0PrecSep_0 Ra-228 [STD]	245.1/245.1_Prep Mercury [MER]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	2540D Solids, Total Suspended (TSS) [TSS]	2540C_Calcd Total Dissolved Solids [TDS]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	200.8/200.8_P_TR Project List (18) [C01]			Plastic 1 liter - unpreserved	Plastic 500ml - unpreserved	Plastic 60 mL - unpreserved	Plastic 500ml - with Nitric Acid	Plastic 1 liter - Nitric Acid	Plastic 250ml - with Nitric Acid	Total Bottles For Sample
1	L601184-01 MW-7D	Grab	Water	01/13/26 15:22				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
2	L601184-02 MW-19A	Grab	Water	01/13/26 18:34				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
3	L601184-03 MW-19B	Grab	Water	01/13/26 17:25				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
4	L601184-04 MW-19C	Grab	Water	01/13/26 15:05				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
5	L601184-05 MW-19D	Grab	Water	01/13/26 09:15				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
6	L601184-06 MWT-19A	Grab	Water	01/13/26 13:34				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
7	L601184-07 Field Blank	Grab	Water	01/13/26 08:00				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:	
Jennifer Caporale	01/14/26 09:21	Jennifer Caporale	01/14/26 09:21	EC 1/15/26 0800

Chain of Custody Number: 438761

*H – Analysis on hold.

Coolers								
Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260114A001								
MIC20260114A002								

COC: 438761

MICHIGAN
190

SO#: 140541
PM: Howell, Leslie
Prj#: 24034575

Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, 48901
517-702-6482

Container _____ of 2

Login
24034575

Ran famish
(AG is weird

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client Lansing Water + Light Site Name _____ Cooler unpacked by:

Cooler Received on 1/15/26 Opened on 1/17/26

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☑ See Multiple Cooler Form

IR GUN # 17 (CF +0.7 °C) Observed Cooler Temp ___.___ °C Corrected Cooler Temp ___.___ °C

2.	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes No
	-Were the seals on the outside of the cooler(s) signed & dated?	Yes No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes No
	-Were tamper/custody seals intact and uncompromised?	Yes No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes No
4	Did custody papers accompany the sample(s)?	Yes No
5	Were the custody papers relinquished & signed in the appropriate place?	Yes No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	Yes No
7	Did all bottles arrive in good condition (Unbroken)?	Yes No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	Yes No
11	Sufficient quantity received to perform indicated analyses?	Yes No
12.	Are these work share samples and all listed on the COC?	Yes No
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA pH Strip Lot# HC567196
14	Were VOAs on the COC?	Yes No
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No NA
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes No
17	Was a LL Hg or Me Hg trip blank present? _____	Yes No

Tests that are not checked for pH by Receiving.

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: KM

Labels Verified by

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # : _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 17	2.3	3.0	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	0.4	1.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	1.7	2.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

Chain of Custody

Return Samples to: Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

240-241806 COC

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name: Jennifer Caporale
Address : 1110 South Pennsylvania
Address 2:
City, State Zip: Lansing, Michigan 48901
Phone: 517-702-6482
Email: Jennifer.Caporale@LBWL.com
Deliverables:

Project Info

Company: Lansing Board of Water & Light
Purchase Order: Contract number 4600002189
Work Order:
Requested TAT:
Project Number: 24034575
Sample State: MI
Special Instructions:

Project Manager: Howell, Leslie
Project Reference:
Sampler: Marc Wahrer
Description: Erickson Wellfield Project
Site Name: Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	903.0/PrecSep_21 Ra-226 [STD]	Ra226_228GFPC_P Combined Ra226&228 [160]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	904.0/PrecSep_0 Ra-228 [STD]	245.1/245.1_Prep Mercury [MER]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	2540D Solids, Total Suspended (TSS) [TSS]	2540C_Calcd Total Dissolved Solids [TDS]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	200.8/200.8_P_TR Project List (18) [C01]			Plastic 1 liter - unpreserved	Plastic 500ml - unpreserved	Plastic 60 mL - unpreserved	Plastic 500ml - with Nitric Acid	Plastic 1 liter - Nitric Acid	Plastic 250ml - with Nitric Acid	Total Bottles For Sample
1	L601184-01 MW-7D	Grab	Water	01/13/26 15:22				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
2	L601184-02 MW-19A	Grab	Water	01/13/26 18:34				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
3	L601184-03 MW-19B	Grab	Water	01/13/26 17:25				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
4	L601184-04 MW-19C	Grab	Water	01/13/26 15:05				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
5	L601184-05 MW-19D	Grab	Water	01/13/26 09:15				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
6	L601184-06 MWT-19A	Grab	Water	01/13/26 13:34				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
7	L601184-07 Field Blank	Grab	Water	01/13/26 08:00				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:
Jennifer Caporale	01/14/26 09:21	Jennifer Caporale	01/14/26 09:21

EC 1/15/26 0800

Chain of Custody Number: **438761**

*H -- Analysis on hold.

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260114A001								
MIC20260114A002								

COC: 438761

MICHIGAN
190

SO#: 140541
PM: Howell, Leslie
Prj#: 24034575

Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, 48901
517-702-6482

Container _____ of 2

Login
24034575

Ran Fenish
(AG is weird)

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client Lansing Water & Light Site Name _____ Cooler unpacked by:

Cooler Received on 1/15/26 Opened on 1/17/26

FedEx. 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used Bubble Wrap Foam Plastic Bag None Other _____

COOLANT Wet Ice Blue Ice Dry Ice Water None

1 *Cooler temperature upon receipt* ___ ___ ___ ☑ *See Multiple Cooler Form* ___

IR GUN # 17 (CF +0.7 °C) Observed Cooler Temp ___.___ °C Corrected Cooler Temp ___.___ °C

2.	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes No
	-Were the seals on the outside of the cooler(s) signed & dated?	Yes No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes No
	-Were tamper/custody seals intact and uncompromised?	Yes No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes No
4	Did custody papers accompany the sample(s)?	Yes No
5	Were the custody papers relinquished & signed in the appropriate place?	Yes No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	Yes No
7	Did all bottles arrive in good condition (Unbroken)?	Yes No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	Yes No
11	Sufficient quantity received to perform indicated analyses?	Yes No
12	Are these work share samples and all listed on the COC?	Yes No
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA pH Strip Lot# HC567196
14	Were VOAs on the COC?	Yes No
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No NA
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes No
17	Was a LL Hg or Me Hg trip blank present? _____	Yes No

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: KM

Labels Verified by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(2) EC Client Box Other	IR GUN #: 17	2.3	3.0	(Wet Ice) Blue Ice Dry Ice Water None
(2) EC Client Box Other	IR GUN #: 17	0.4	1.1	Wet Ice Blue Ice Dry Ice Water None
(2) EC Client Box Other	IR GUN #: 17	1.7	2.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	

1/19/2026

Login Container Summary Report

240-241806

1/28/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L601184-01 MW-7D	240-241806-A-1	Plastic 60 mL - unpreserved				
L601184-01 MW-7D	240-241806-B-1	Plastic 60 mL - unpreserved				
L601184-01 MW-7D	240-241806-C-1	Plastic 250ml - with Nitric Acid	<2			
L601184-01 MW-7D	240-241806-D-1	Plastic 500ml - unpreserved				
L601184-01 MW-7D	240-241806-E-1	Plastic 500ml - with Nitric Acid	<2			
L601184-01 MW-7D	240-241806-F-1	Plastic 1 liter - unpreserved				
L601184-01 MW-7D	240-241806-G-1	Plastic 1 liter - Nitric Acid	<2			
L601184-01 MW-7D	240-241806-H-1	Plastic 1 liter - Nitric Acid	<2			
L601184-02 MW-19A	240-241806-A-2	Plastic 60 mL - unpreserved				
L601184-02 MW-19A	240-241806-B-2	Plastic 60 mL - unpreserved				
L601184-02 MW-19A	240-241806-C-2	Plastic 250ml - with Nitric Acid	<2			
L601184-02 MW-19A	240-241806-D-2	Plastic 500ml - unpreserved				
L601184-02 MW-19A	240-241806-E-2	Plastic 500ml - with Nitric Acid	<2			
L601184-02 MW-19A	240-241806-F-2	Plastic 1 liter - unpreserved				
L601184-02 MW-19A	240-241806-G-2	Plastic 1 liter - Nitric Acid	<2			
L601184-02 MW-19A	240-241806-H-2	Plastic 1 liter - Nitric Acid	<2			
L601184-03 MW-19B	240-241806-A-3	Plastic 60 mL - unpreserved				
L601184-03 MW-19B	240-241806-B-3	Plastic 60 mL - unpreserved				
L601184-03 MW-19B	240-241806-C-3	Plastic 250ml - with Nitric Acid	<2			
L601184-03 MW-19B	240-241806-D-3	Plastic 500ml - unpreserved				
L601184-03 MW-19B	240-241806-E-3	Plastic 500ml - with Nitric Acid	<2			
L601184-03 MW-19B	240-241806-F-3	Plastic 1 liter - unpreserved				
L601184-03 MW-19B	240-241806-G-3	Plastic 1 liter - Nitric Acid	<2			
L601184-03 MW-19B	240-241806-H-3	Plastic 1 liter - Nitric Acid	<2			
L601184-04 MW-19C	240-241806-A-4	Plastic 60 mL - unpreserved				
L601184-04 MW-19C	240-241806-B-4	Plastic 60 mL - unpreserved				
L601184-04 MW-19C	240-241806-C-4	Plastic 250ml - with Nitric Acid	<2			
L601184-04 MW-19C	240-241806-D-4	Plastic 500ml - unpreserved				
L601184-04 MW-19C	240-241806-E-4	Plastic 500ml - with Nitric Acid	<2			
L601184-04 MW-19C	240-241806-F-4	Plastic 1 liter - unpreserved				
L601184-04 MW-19C	240-241806-G-4	Plastic 1 liter - Nitric Acid	<2			
L601184-04 MW-19C	240-241806-H-4	Plastic 1 liter - Nitric Acid	<2			
L601184-05 MW-19D	240-241806-A-5	Plastic 60 mL - unpreserved				
L601184-05 MW-19D	240-241806-B-5	Plastic 60 mL - unpreserved				
L601184-05 MW-19D	240-241806-C-5	Plastic 250ml - with Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L601184-05 MW-19D	240-241806-D-5	Plastic 500ml - unpreserved				
L601184-05 MW-19D	240-241806-E-5	Plastic 500ml - with Nitric Acid	<2			
L601184-05 MW-19D	240-241806-F-5	Plastic 1 liter - unpreserved				
L601184-05 MW-19D	240-241806-G-5	Plastic 1 liter - Nitric Acid	<2			
L601184-05 MW-19D	240-241806-H-5	Plastic 1 liter - Nitric Acid	<2			
L601184-06 MWT-19A	240-241806-A-6	Plastic 60 mL - unpreserved				
L601184-06 MWT-19A	240-241806-B-6	Plastic 60 mL - unpreserved				
L601184-06 MWT-19A	240-241806-C-6	Plastic 250ml - with Nitric Acid	<2			
L601184-06 MWT-19A	240-241806-D-6	Plastic 500ml - unpreserved				
L601184-06 MWT-19A	240-241806-E-6	Plastic 500ml - with Nitric Acid	<2			
L601184-06 MWT-19A	240-241806-F-6	Plastic 1 liter - unpreserved				
L601184-06 MWT-19A	240-241806-G-6	Plastic 1 liter - Nitric Acid	<2			
L601184-06 MWT-19A	240-241806-H-6	Plastic 1 liter - Nitric Acid	<2			
L601184-07 FIELD BLANK	240-241806-A-7	Plastic 60 mL - unpreserved				
L601184-07 FIELD BLANK	240-241806-B-7	Plastic 60 mL - unpreserved				
L601184-07 FIELD BLANK	240-241806-C-7	Plastic 250ml - with Nitric Acid	<2			
L601184-07 FIELD BLANK	240-241806-D-7	Plastic 500ml - unpreserved				
L601184-07 FIELD BLANK	240-241806-E-7	Plastic 500ml - with Nitric Acid	<2			
L601184-07 FIELD BLANK	240-241806-F-7	Plastic 1 liter - unpreserved				
L601184-07 FIELD BLANK	240-241806-G-7	Plastic 1 liter - Nitric Acid	<2			
L601184-07 FIELD BLANK	240-241806-H-7	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213367.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 240-241806-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 1/28/2026			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	904.0/PrecSep_0Standard Target List	Ra226_228GFPC_P	903.0/PrecSep_21Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
L601184-01 MW-7D (240-241806-1)	1/13/26	15:22 Eastern	G	Water			X	X	X	2	
L601184-02 MW-19A (240-241806-2)	1/13/26	18:34 Eastern	G	Water			X	X	X	2	
L601184-03 MW-19B (240-241806-3)	1/13/26	17:25 Eastern	G	Water			X	X	X	2	
L601184-04 MW-19C (240-241806-4)	1/13/26	15:05 Eastern	G	Water			X	X	X	2	
L601184-05 MW-19D (240-241806-5)	1/13/26	09:15 Eastern	G	Water			X	X	X	2	
L601184-06 MWT-19A (240-241806-6)	1/13/26	13:34 Eastern	G	Water			X	X	X	2	
L601184-07 FIELD BLANK (240-241806-7)	1/13/26	08:00 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 1/19/26 1500	Company ET	Received by:	Date/Time: 0840 1/20/26	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

1/28/2026

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213366.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-241806-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/28/2026			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Therm. ID: SC03 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 5.4 / 5.9 °C
Delivery: UPS / FedEx / Other
Ice Type: Blue / Dry / Wet / None
Label Ver.: N Packing: B
Sm Blue

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7_CWA/200.7_P_TOT(MOD) Iron & Zinc	200.8_CWA/200.8_P_TOT(MOD) Iron & Zinc	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
L601184-01 MW-7D (240-241806-1)	1/13/26	15:22 Eastern	G	Water			X	X		
L601184-02 MW-19A (240-241806-2)	1/13/26	18:34 Eastern	G	Water			X	X		
L601184-03 MW-19B (240-241806-3)	1/13/26	17:25 Eastern	G	Water			X	X		
L601184-04 MW-19C (240-241806-4)	1/13/26	15:05 Eastern	G	Water			X	X		
L601184-05 MW-19D (240-241806-5)	1/13/26	09:15 Eastern	G	Water			X	X		
L601184-06 MWT-19A (240-241806-6)	1/13/26	13:34 Eastern	G	Water			X	X		
L601184-07 FIELD BLANK (240-241806-7)	1/13/26	08:00 Eastern	G	Water			X	X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification 4896 1531 8757 *Unconfirmed*	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time: 1/19/26 1500	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

1/28/2026

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Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-241806-1

Login Number: 241806
List Number: 3
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 01/20/26 12:55 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

Generated 2/13/2026 2:42:59 PM

JOB DESCRIPTION

Erickson Projects

JOB NUMBER

240-241806-2

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

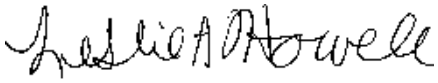
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Leslie Howell, Project Manager I
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Definitions/Glossary

Client: Lansing Board of Water & Light
Job ID: 240-241806-2
Project/Site: Erickson Projects

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-241806-2 — Eurofins Cleveland

Job Narrative
240-241806-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 1/15/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.1°C, 2.4°C and 3.0°C.

Gas Flow Proportional Counter
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-241806-1	L601184-01 MW-7D	Water	01/13/26 15:22	01/15/26 08:00	Michigan
240-241806-2	L601184-02 MW-19A	Water	01/13/26 13:34	01/15/26 08:00	Michigan
240-241806-3	L601184-03 MW-19B	Water	01/13/26 17:25	01/15/26 08:00	Michigan
240-241806-4	L601184-04 MW-19C	Water	01/13/26 15:05	01/15/26 08:00	Michigan
240-241806-5	L601184-05 MW-19D	Water	01/13/26 09:15	01/15/26 08:00	Michigan
240-241806-6	L601184-06 MWT-19A	Water	01/13/26 13:34	01/15/26 08:00	Michigan
240-241806-7	L601184-07 FIELD BLANK	Water	01/13/26 08:00	01/15/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Client Sample ID: L601184-01 MW-7D — **Lab Sample ID: 240-241806-1**

No Detections.

Client Sample ID: L601184-02 MW-19A — **Lab Sample ID: 240-241806-2**

No Detections.

Client Sample ID: L601184-03 MW-19B — **Lab Sample ID: 240-241806-3**

No Detections.

Client Sample ID: L601184-04 MW-19C — **Lab Sample ID: 240-241806-4**

No Detections.

Client Sample ID: L601184-05 MW-19D — **Lab Sample ID: 240-241806-5**

No Detections.

Client Sample ID: L601184-06 MWT-19A — **Lab Sample ID: 240-241806-6**

No Detections.

Client Sample ID: L601184-07 FIELD BLANK — **Lab Sample ID: 240-241806-7**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: L601184-01 MW-7D

Date Collected: 01/13/26 15:22
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-1

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.527		0.145	0.153	1.00	0.115	pCi/L	01/21/26 07:48	02/12/26 10:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*01/21/26 07:48*	*02/12/26 10:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.815		0.404	0.411	1.00	0.564	pCi/L	01/21/26 07:54	02/06/26 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:13*	*1*
Y Carrier	*82.2*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.34		0.429	0.439	5.00	0.564	pCi/L		02/11/26 14:59	1

Client Sample Results

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Client Sample ID: L601184-02 MW-19A

Lab Sample ID: 240-241806-2

Date Collected: 01/13/26 13:34

Matrix: Water

Date Received: 01/15/26 08:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0629	U	0.0763	0.0765	1.00	0.125	pCi/L	01/21/26 07:48	02/12/26 10:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.2*		*30 - 110*	*01/21/26 07:48*	*02/12/26 10:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.920**		0.426	0.435	1.00	0.582	pCi/L	01/21/26 07:54	02/06/26 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.2*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:13*	*1*
Y Carrier	*81.1*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.983**		0.433	0.442	5.00	0.582	pCi/L		02/11/26 14:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Client Sample ID: L601184-03 MW-19B
Date Collected: 01/13/26 17:25
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.368		0.121	0.126	1.00	0.104	pCi/L	01/21/26 07:48	02/12/26 10:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*01/21/26 07:48*	*02/12/26 10:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.466	U	0.331	0.334	1.00	0.500	pCi/L	01/21/26 07:54	02/06/26 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:13*	*1*
Y Carrier	*86.0*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.834		0.352	0.357	5.00	0.500	pCi/L		02/11/26 14:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Client Sample ID: L601184-04 MW-19C
Date Collected: 01/13/26 15:05
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.298**		0.141	0.143	1.00	0.178	pCi/L	01/21/26 07:48	02/12/26 10:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*01/21/26 07:48*	*02/12/26 10:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.449	U	0.383	0.385	1.00	0.602	pCi/L	01/21/26 07:54	02/06/26 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:13*	*1*
Y Carrier	*81.1*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.747**		0.408	0.411	5.00	0.602	pCi/L		02/11/26 14:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Client Sample ID: L601184-05 MW-19D
Date Collected: 01/13/26 09:15
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-5
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.253		0.112	0.115	1.00	0.133	pCi/L	01/21/26 07:48	02/12/26 10:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*01/21/26 07:48*	*02/12/26 10:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.190	U	0.347	0.347	1.00	0.595	pCi/L	01/21/26 07:54	02/06/26 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:13*	*1*
Y Carrier	*83.0*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:13*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.442	U	0.365	0.366	5.00	0.595	pCi/L		02/11/26 14:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Client Sample ID: L601184-06 MWT-19A
Date Collected: 01/13/26 13:34
Date Received: 01/15/26 08:00

Lab Sample ID: 240-241806-6
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.260		0.133	0.135	1.00	0.172	pCi/L	01/21/26 07:48	02/12/26 10:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*01/21/26 07:48*	*02/12/26 10:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.611		0.389	0.393	1.00	0.571	pCi/L	01/21/26 07:54	02/06/26 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:15*	*1*
Y Carrier	*79.6*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:15*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.871		0.411	0.416	5.00	0.571	pCi/L		02/11/26 14:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Client Sample ID: L601184-07 FIELD BLANK

Lab Sample ID: 240-241806-7

Date Collected: 01/13/26 08:00

Matrix: Water

Date Received: 01/15/26 08:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0783	U	0.0838	0.0840	1.00	0.133	pCi/L	01/21/26 07:48	02/12/26 10:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*01/21/26 07:48*	*02/12/26 10:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.169	U	0.280	0.281	1.00	0.579	pCi/L	01/21/26 07:54	02/06/26 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:15*	*1*
Y Carrier	*82.2*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:15*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0783	U	0.292	0.293	5.00	0.579	pCi/L		02/11/26 14:59	1

Tracer/Carrier Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
240-241806-1	L601184-01 MW-7D	89.6
240-241806-2	L601184-02 MW-19A	86.2
240-241806-3	L601184-03 MW-19B	91.9
240-241806-4	L601184-04 MW-19C	84.6
240-241806-5	L601184-05 MW-19D	89.6
240-241806-6	L601184-06 MWT-19A	82.3
240-241806-7	L601184-07 FIELD BLANK	82.3
LCS 160-754701/2-A	Lab Control Sample	89.0
MB 160-754701/1-A	Method Blank	92.4

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
240-241806-1	L601184-01 MW-7D	89.6	82.2
240-241806-2	L601184-02 MW-19A	86.2	81.1
240-241806-3	L601184-03 MW-19B	91.9	86.0
240-241806-4	L601184-04 MW-19C	84.6	81.1
240-241806-5	L601184-05 MW-19D	89.6	83.0
240-241806-6	L601184-06 MWT-19A	82.3	79.6
240-241806-7	L601184-07 FIELD BLANK	82.3	82.2
LCS 160-754702/2-A	Lab Control Sample	89.0	84.5
MB 160-754702/1-A	Method Blank	92.4	80.7

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-754701/1-A
Matrix: Water
Analysis Batch: 757305

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754701

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01097	U	0.0753	0.0753	1.00	0.153	pCi/L	01/21/26 07:48	02/12/26 09:59	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*01/21/26 07:48*	*02/12/26 09:59*	*1*

Lab Sample ID: LCS 160-754701/2-A
Matrix: Water
Analysis Batch: 757305

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754701

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	8.630		0.951	1.00	0.119	pCi/L	90	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.0*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-754702/1-A
Matrix: Water
Analysis Batch: 756684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754702

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.7468		0.367	0.374	1.00	0.502	pCi/L	01/21/26 07:54	02/06/26 12:12	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:12*	*1*
Y Carrier	*80.7*		*30 - 110*	*01/21/26 07:54*	*02/06/26 12:12*	*1*

Lab Sample ID: LCS 160-754702/2-A
Matrix: Water
Analysis Batch: 756684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754702

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.71	8.376		1.18	1.00	0.458	pCi/L	109	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.0*		*30 - 110*
Y Carrier	*84.5*		*30 - 110*

QC Association Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Rad

Prep Batch: 754701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total/NA	Water	PrecSep-21	
240-241806-2	L601184-02 MW-19A	Total/NA	Water	PrecSep-21	
240-241806-3	L601184-03 MW-19B	Total/NA	Water	PrecSep-21	
240-241806-4	L601184-04 MW-19C	Total/NA	Water	PrecSep-21	
240-241806-5	L601184-05 MW-19D	Total/NA	Water	PrecSep-21	
240-241806-6	L601184-06 MWT-19A	Total/NA	Water	PrecSep-21	
240-241806-7	L601184-07 FIELD BLANK	Total/NA	Water	PrecSep-21	
MB 160-754701/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-754701/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 754702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-241806-1	L601184-01 MW-7D	Total/NA	Water	PrecSep_0	
240-241806-2	L601184-02 MW-19A	Total/NA	Water	PrecSep_0	
240-241806-3	L601184-03 MW-19B	Total/NA	Water	PrecSep_0	
240-241806-4	L601184-04 MW-19C	Total/NA	Water	PrecSep_0	
240-241806-5	L601184-05 MW-19D	Total/NA	Water	PrecSep_0	
240-241806-6	L601184-06 MWT-19A	Total/NA	Water	PrecSep_0	
240-241806-7	L601184-07 FIELD BLANK	Total/NA	Water	PrecSep_0	
MB 160-754702/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-754702/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Client Sample ID: L601184-01 MW-7D

Lab Sample ID: 240-241806-1

Date Collected: 01/13/26 15:22
Matrix: Water
Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			754701	VLQ	EET SL	01/21/26 07:48
Total/NA	Analysis	903.0		1	757305	SWS	EET SL	02/12/26 10:00
Total/NA	Prep	PrecSep_0			754702	VLQ	EET SL	01/21/26 07:54
Total/NA	Analysis	904.0		1	756684	SWS	EET SL	02/06/26 12:13
Total/NA	Analysis	Ra226_Ra228 Pos		1	757203	FLC	EET SL	02/11/26 14:59

Client Sample ID: L601184-02 MW-19A

Lab Sample ID: 240-241806-2

Date Collected: 01/13/26 13:34
Matrix: Water
Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			754701	VLQ	EET SL	01/21/26 07:48
Total/NA	Analysis	903.0		1	757305	SWS	EET SL	02/12/26 10:00
Total/NA	Prep	PrecSep_0			754702	VLQ	EET SL	01/21/26 07:54
Total/NA	Analysis	904.0		1	756684	SWS	EET SL	02/06/26 12:13
Total/NA	Analysis	Ra226_Ra228 Pos		1	757203	FLC	EET SL	02/11/26 14:59

Client Sample ID: L601184-03 MW-19B

Lab Sample ID: 240-241806-3

Date Collected: 01/13/26 17:25
Matrix: Water
Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			754701	VLQ	EET SL	01/21/26 07:48
Total/NA	Analysis	903.0		1	757305	SWS	EET SL	02/12/26 10:00
Total/NA	Prep	PrecSep_0			754702	VLQ	EET SL	01/21/26 07:54
Total/NA	Analysis	904.0		1	756684	SWS	EET SL	02/06/26 12:13
Total/NA	Analysis	Ra226_Ra228 Pos		1	757203	FLC	EET SL	02/11/26 14:59

Client Sample ID: L601184-04 MW-19C

Lab Sample ID: 240-241806-4

Date Collected: 01/13/26 15:05
Matrix: Water
Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			754701	VLQ	EET SL	01/21/26 07:48
Total/NA	Analysis	903.0		1	757305	SWS	EET SL	02/12/26 10:00
Total/NA	Prep	PrecSep_0			754702	VLQ	EET SL	01/21/26 07:54
Total/NA	Analysis	904.0		1	756684	SWS	EET SL	02/06/26 12:13
Total/NA	Analysis	Ra226_Ra228 Pos		1	757203	FLC	EET SL	02/11/26 14:59

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Client Sample ID: L601184-05 MW-19D

Lab Sample ID: 240-241806-5

Date Collected: 01/13/26 09:15
Matrix: Water
Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			754701	VLQ	EET SL	01/21/26 07:48
Total/NA	Analysis	903.0		1	757305	SWS	EET SL	02/12/26 10:00
Total/NA	Prep	PrecSep_0			754702	VLQ	EET SL	01/21/26 07:54
Total/NA	Analysis	904.0		1	756684	SWS	EET SL	02/06/26 12:13
Total/NA	Analysis	Ra226_Ra228 Pos		1	757203	FLC	EET SL	02/11/26 14:59

Client Sample ID: L601184-06 MWT-19A

Lab Sample ID: 240-241806-6

Date Collected: 01/13/26 13:34
Matrix: Water
Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			754701	VLQ	EET SL	01/21/26 07:48
Total/NA	Analysis	903.0		1	757305	SWS	EET SL	02/12/26 10:00
Total/NA	Prep	PrecSep_0			754702	VLQ	EET SL	01/21/26 07:54
Total/NA	Analysis	904.0		1	756684	SWS	EET SL	02/06/26 12:15
Total/NA	Analysis	Ra226_Ra228 Pos		1	757203	FLC	EET SL	02/11/26 14:59

Client Sample ID: L601184-07 FIELD BLANK

Lab Sample ID: 240-241806-7

Date Collected: 01/13/26 08:00
Matrix: Water
Date Received: 01/15/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			754701	VLQ	EET SL	01/21/26 07:48
Total/NA	Analysis	903.0		1	757305	SWS	EET SL	02/12/26 10:00
Total/NA	Prep	PrecSep_0			754702	VLQ	EET SL	01/21/26 07:54
Total/NA	Analysis	904.0		1	756684	SWS	EET SL	02/06/26 12:15
Total/NA	Analysis	Ra226_Ra228 Pos		1	757203	FLC	EET SL	02/11/26 14:59

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-241806-2

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-26
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	07-01-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-26
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-26
Kentucky (DW)	State	KY90125	12-31-26
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-26
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-26
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Hampshire	NELAP	2100	02-04-27
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-26
Oklahoma	NELAP	9997	12-31-26
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-26
Rhode Island	State	LAO00392	12-30-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	10-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain of Custody

Return Samples to: Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

240-241806 COC

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer

Description:
Erickson Wellfield Project

Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	903.0PrecSep_21 Ra-226 [STD]	Ra226_228GFPC_P Combined Ra226&228 [160]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	904.0PrecSep_0 Ra-228 [STD]	245.1/245.1_Prep Mercury [MER]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	2540D Solids, Total Suspended (TSS) [TSS]	2540C_Calcd Total Dissolved Solids [TDS]	SM23408/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	200.8/200.8_P_TR Project List (18) [C01]			Plastic 1 liter - unpreserved	Plastic 500ml - unpreserved	Plastic 60 mL - unpreserved	Plastic 500ml - with Nitric Acid	Plastic 1 liter - Nitric Acid	Plastic 250ml - with Nitric Acid	Total Bottles For Sample
1	L601184-01 MW-7D	Grab	Water	01/13/26 15:22				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
2	L601184-02 MW-19A	Grab	Water	01/13/26 18:34				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
3	L601184-03 MW-19B	Grab	Water	01/13/26 17:25				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
4	L601184-04 MW-19C	Grab	Water	01/13/26 15:05				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
5	L601184-05 MW-19D	Grab	Water	01/13/26 09:15				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
6	L601184-06 MWT-19A	Grab	Water	01/13/26 13:34				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
7	L601184-07 Field Blank	Grab	Water	01/13/26 08:00				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:	
Jennifer Caporale	01/14/26 09:21	Jennifer Caporale	01/14/26 09:21	EC 1/15/26 0800

Chain of Custody Number: 438761

*H – Analysis on hold.

Coolers								
Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260114A001								
MIC20260114A002								

COC: 438761

MICHIGAN
190

SO#: 140541
PM: Howell, Leslie
Prj#: 24034575

Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, 48901
517-702-6482

Container _____ of 2

Login
24034575

Ran Enesh
(AG is weird)

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client Lansing Water & Light Site Name _____ Cooler unpacked by:

Cooler Received on 1/15/26 Opened on 1/17/26

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☑ See Multiple Cooler Form

IR GUN # 17 (CF +0.7 °C) Observed Cooler Temp ___.___ °C Corrected Cooler Temp ___.___ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4 Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC567196
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving.

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: KM

Labels Verified by

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # : _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 17	2.3	3.0	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	0.4	1.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: 17	1.7	2.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	

Chain of Custody

Return Samples to: Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

240-241806 COC

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name: Jennifer Caporale
Address : 1110 South Pennsylvania
Address 2:
City, State Zip: Lansing, Michigan 48901
Phone: 517-702-6482
Email: Jennifer.Caporale@LBWL.com
Deliverables:

Project Info

Company: Lansing Board of Water & Light
Purchase Order: Contract number 4600002189
Work Order:
Requested TAT:
Project Number: 24034575
Sample State: MI
Special Instructions:

Project Manager: Howell, Leslie
Project Reference:
Sampler: Marc Wahrer
Description: Erickson Wellfield Project
Site Name: Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	903.0/PrecSep_21 Ra-226 [STD]	Ra226_228GFPC_P Combined Ra226&228 [160]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	904.0/PrecSep_0 Ra-228 [STD]	245.1/245.1_Prep Mercury [MER]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	2540D Solids, Total Suspended (TSS) [TSS]	2540C_Calcd Total Dissolved Solids [TDS]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	200.8/200.8_P_TR Project List (18) [C01]			Plastic 1 liter - unpreserved	Plastic 500ml - unpreserved	Plastic 60 mL - unpreserved	Plastic 500ml - with Nitric Acid	Plastic 1 liter - Nitric Acid	Plastic 250ml - with Nitric Acid	Total Bottles For Sample
1	L601184-01 MW-7D	Grab	Water	01/13/26 15:22				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
2	L601184-02 MW-19A	Grab	Water	01/13/26 18:34				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
3	L601184-03 MW-19B	Grab	Water	01/13/26 17:25				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
4	L601184-04 MW-19C	Grab	Water	01/13/26 15:05				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
5	L601184-05 MW-19D	Grab	Water	01/13/26 09:15				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
6	L601184-06 MWT-19A	Grab	Water	01/13/26 13:34				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8
7	L601184-07 Field Blank	Grab	Water	01/13/26 08:00				X	X	X	X	X	X	X	X	X	X	X	X			1	1	2	1	2	1	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:
Jennifer Caporale	01/14/26 09:21	Jennifer Caporale	01/14/26 09:21

EC 1/15/26 0800

Chain of Custody Number: 438761

*H -- Analysis on hold.

Coolers								
Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260114A001								
MIC20260114A002								

COC: 438761

MICHIGAN
190

SO#: 140541
PM: Howell, Leslie
Prj#: 24034575

Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, 48901
517-702-6482

Container _____ of 2

Login
24034575

Ran Enesh
(AG is weird)

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client Lansing Water & Light Site Name _____ Cooler unpacked by:
Cooler Received on 1/15/26 Opened on 1/17/26
FedEx. 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____
Receipt After-hours Drop-off Date/Time _____ Storage Location _____
Eurofins Cooler # EC Foam Box Client Cooler Box Other _____
Packing material used Bubble Wrap Foam Plastic Bag None Other _____
COOLANT Wet Ice Blue Ice Dry Ice Water None
1 *Cooler temperature upon receipt* ___ ___ ___ ☑ *See Multiple Cooler Form* ___
IR GUN # 17 (CF +0.7 °C) Observed Cooler Temp ___.___ °C Corrected Cooler Temp ___.___ °C

2.	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes No
	-Were the seals on the outside of the cooler(s) signed & dated?	Yes No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes No
	-Were tamper/custody seals intact and uncompromised?	Yes No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes No
4	Did custody papers accompany the sample(s)?	Yes No
5	Were the custody papers relinquished & signed in the appropriate place?	Yes No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	Yes No
7	Did all bottles arrive in good condition (Unbroken)?	Yes No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	Yes No
11	Sufficient quantity received to perform indicated analyses?	Yes No
12	Are these work share samples and all listed on the COC?	Yes No
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA pH Strip Lot# HC567196
14	Were VOAs on the COC?	Yes No
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No NA
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes No
17	Was a LL Hg or Me Hg trip blank present? _____	Yes No

Tests that are not checked for pH by Receiving
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: KM
Labels Verified by:

_____
_____
_____
_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired
Sample(s) _____ were received in a broken container
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory
Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form				
Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(2) EC Client Box Other	IR GUN #: 17	2.3	3.0	(Wet Ice) Blue Ice Dry Ice Water None
(2) EC Client Box Other	IR GUN #: 17	0.4	1.1	Wet Ice Blue Ice Dry Ice Water None
(2) EC Client Box Other	IR GUN #: 17	1.7	2.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	

1/19/2026

Login Container Summary Report

240-241806

2/13/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L601184-01 MW-7D	240-241806-A-1	Plastic 60 mL - unpreserved				
L601184-01 MW-7D	240-241806-B-1	Plastic 60 mL - unpreserved				
L601184-01 MW-7D	240-241806-C-1	Plastic 250ml - with Nitric Acid	<2			
L601184-01 MW-7D	240-241806-D-1	Plastic 500ml - unpreserved				
L601184-01 MW-7D	240-241806-E-1	Plastic 500ml - with Nitric Acid	<2			
L601184-01 MW-7D	240-241806-F-1	Plastic 1 liter - unpreserved				
L601184-01 MW-7D	240-241806-G-1	Plastic 1 liter - Nitric Acid	<2			
L601184-01 MW-7D	240-241806-H-1	Plastic 1 liter - Nitric Acid	<2			
L601184-02 MW-19A	240-241806-A-2	Plastic 60 mL - unpreserved				
L601184-02 MW-19A	240-241806-B-2	Plastic 60 mL - unpreserved				
L601184-02 MW-19A	240-241806-C-2	Plastic 250ml - with Nitric Acid	<2			
L601184-02 MW-19A	240-241806-D-2	Plastic 500ml - unpreserved				
L601184-02 MW-19A	240-241806-E-2	Plastic 500ml - with Nitric Acid	<2			
L601184-02 MW-19A	240-241806-F-2	Plastic 1 liter - unpreserved				
L601184-02 MW-19A	240-241806-G-2	Plastic 1 liter - Nitric Acid	<2			
L601184-02 MW-19A	240-241806-H-2	Plastic 1 liter - Nitric Acid	<2			
L601184-03 MW-19B	240-241806-A-3	Plastic 60 mL - unpreserved				
L601184-03 MW-19B	240-241806-B-3	Plastic 60 mL - unpreserved				
L601184-03 MW-19B	240-241806-C-3	Plastic 250ml - with Nitric Acid	<2			
L601184-03 MW-19B	240-241806-D-3	Plastic 500ml - unpreserved				
L601184-03 MW-19B	240-241806-E-3	Plastic 500ml - with Nitric Acid	<2			
L601184-03 MW-19B	240-241806-F-3	Plastic 1 liter - unpreserved				
L601184-03 MW-19B	240-241806-G-3	Plastic 1 liter - Nitric Acid	<2			
L601184-03 MW-19B	240-241806-H-3	Plastic 1 liter - Nitric Acid	<2			
L601184-04 MW-19C	240-241806-A-4	Plastic 60 mL - unpreserved				
L601184-04 MW-19C	240-241806-B-4	Plastic 60 mL - unpreserved				
L601184-04 MW-19C	240-241806-C-4	Plastic 250ml - with Nitric Acid	<2			
L601184-04 MW-19C	240-241806-D-4	Plastic 500ml - unpreserved				
L601184-04 MW-19C	240-241806-E-4	Plastic 500ml - with Nitric Acid	<2			
L601184-04 MW-19C	240-241806-F-4	Plastic 1 liter - unpreserved				
L601184-04 MW-19C	240-241806-G-4	Plastic 1 liter - Nitric Acid	<2			
L601184-04 MW-19C	240-241806-H-4	Plastic 1 liter - Nitric Acid	<2			
L601184-05 MW-19D	240-241806-A-5	Plastic 60 mL - unpreserved				
L601184-05 MW-19D	240-241806-B-5	Plastic 60 mL - unpreserved				
L601184-05 MW-19D	240-241806-C-5	Plastic 250ml - with Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L601184-05 MW-19D	240-241806-D-5	Plastic 500ml - unpreserved				
L601184-05 MW-19D	240-241806-E-5	Plastic 500ml - with Nitric Acid	<2			
L601184-05 MW-19D	240-241806-F-5	Plastic 1 liter - unpreserved				
L601184-05 MW-19D	240-241806-G-5	Plastic 1 liter - Nitric Acid	<2			
L601184-05 MW-19D	240-241806-H-5	Plastic 1 liter - Nitric Acid	<2			
L601184-06 MWT-19A	240-241806-A-6	Plastic 60 mL - unpreserved				
L601184-06 MWT-19A	240-241806-B-6	Plastic 60 mL - unpreserved				
L601184-06 MWT-19A	240-241806-C-6	Plastic 250ml - with Nitric Acid	<2			
L601184-06 MWT-19A	240-241806-D-6	Plastic 500ml - unpreserved				
L601184-06 MWT-19A	240-241806-E-6	Plastic 500ml - with Nitric Acid	<2			
L601184-06 MWT-19A	240-241806-F-6	Plastic 1 liter - unpreserved				
L601184-06 MWT-19A	240-241806-G-6	Plastic 1 liter - Nitric Acid	<2			
L601184-06 MWT-19A	240-241806-H-6	Plastic 1 liter - Nitric Acid	<2			
L601184-07 FIELD BLANK	240-241806-A-7	Plastic 60 mL - unpreserved				
L601184-07 FIELD BLANK	240-241806-B-7	Plastic 60 mL - unpreserved				
L601184-07 FIELD BLANK	240-241806-C-7	Plastic 250ml - with Nitric Acid	<2			
L601184-07 FIELD BLANK	240-241806-D-7	Plastic 500ml - unpreserved				
L601184-07 FIELD BLANK	240-241806-E-7	Plastic 500ml - with Nitric Acid	<2			
L601184-07 FIELD BLANK	240-241806-F-7	Plastic 1 liter - unpreserved				
L601184-07 FIELD BLANK	240-241806-G-7	Plastic 1 liter - Nitric Acid	<2			
L601184-07 FIELD BLANK	240-241806-H-7	Plastic 1 liter - Nitric Acid	<2			

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-241806-2

Login Number: 241806
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 01/20/26 11:44 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

Generated 2/21/2026 12:18:23 AM

JOB DESCRIPTION

Erickson Projects

JOB NUMBER

240-242809-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

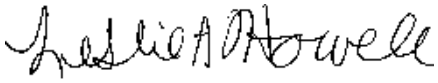
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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2/21/2026 12:18:23 AM

Authorized for release by
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

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Definitions/Glossary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-242809-1 — Eurofins Cleveland

Job Narrative
240-242809-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/9/2026 8:14 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.3°C, 1.6°C, 1.8°C, 2.0°C, 2.4°C, 3.3°C and 3.4°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET SSM
200.8	Metals (ICP/MS)	EPA	EET SSM
200.8-1994 R5.4	Metals (ICP/MS)	EPA	EET CLE
245.1-1994 R3.0	Mercury (CVAA)	EPA	EET CLE
2320 B-2021	Alkalinity	SM	EET CLE
2540 C-2020	Solids, Total Dissolved (TDS)	SM	EET CLE
2540D-2020	Solids, Total Suspended (TSS)	SM	EET CLE
300.0-1993 R2.1	Anions, Ion Chromatography	EPA	EET CLE
200.7	Preparation, Total Metals	EPA	EET SSM
200.8	Preparation, Total Metals	EPA	EET SSM
200.8-1994 R5.4	Preparation, Total Recoverable Metals	EPA	EET CLE
245.1-1994 R3.0	Preparation, Mercury	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-242809-1	L602161-01 MW-1	Water	02/04/26 15:00	02/09/26 08:14	Michigan
240-242809-2	L602161-02 MW-4	Water	02/04/26 16:50	02/09/26 08:14	Michigan
240-242809-3	L602161-03 MW-10	Water	02/04/26 16:46	02/09/26 08:14	Michigan
240-242809-4	L602161-04 MW-11	Water	02/04/26 09:35	02/09/26 08:14	Michigan
240-242809-5	L602161-05 MW-11B	Water	02/04/26 12:05	02/09/26 08:14	Michigan
240-242809-6	L602161-06 MW-13	Water	02/04/26 09:16	02/09/26 08:14	Michigan
240-242809-7	L602161-07 MW-18A	Water	02/04/26 11:37	02/09/26 08:14	Michigan
240-242809-8	L602161-08 MW-18B	Water	02/04/26 13:06	02/09/26 08:14	Michigan
240-242809-9	L602161-09 MW-18C	Water	02/04/26 14:15	02/09/26 08:14	Michigan
240-242809-10	L602169-01 MW-7B	Water	02/05/26 13:35	02/09/26 08:14	Michigan
240-242809-11	L602161-10 MW-18D	Water	02/04/26 15:26	02/09/26 08:14	Michigan
240-242809-12	L602169-02 MW-8	Water	02/05/26 11:35	02/09/26 08:14	Michigan
240-242809-13	L602161-11 MWT-18A	Water	02/04/26 11:37	02/09/26 08:14	Michigan
240-242809-14	L602169-03 MW-9	Water	02/05/26 09:30	02/09/26 08:14	Michigan
240-242809-15	L602161-12 Field Blank	Water	02/04/26 08:15	02/09/26 08:14	Michigan
240-242809-16	L602170-01 MW-15	Water	02/05/26 09:05	02/09/26 08:14	Michigan
240-242809-17	L602170-02 MW-100A	Water	02/05/26 16:04	02/09/26 08:14	Michigan
240-242809-18	L602170-03 MW-100B	Water	02/05/26 12:23	02/09/26 08:14	Michigan
240-242809-19	L602170-04 MW-100C	Water	02/05/26 13:48	02/09/26 08:14	Michigan
240-242809-20	L602170-05 MW-100D	Water	02/05/26 15:22	02/09/26 08:14	Michigan
240-242809-21	L602170-06 MWT-100C	Water	02/05/26 13:48	02/09/26 08:14	Michigan
240-242809-22	L602170-07 Field Blank	Water	02/05/26 08:00	02/09/26 08:14	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602161-01 MW-1

Lab Sample ID: 240-242809-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	0.80	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	22		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0031	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.078		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.0016		0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0012	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.0015	J	0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Vanadium	0.00086	J	0.0050	0.00082	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	92		20	16	ug/L	1		200.8-1994 R5.4	Total Recoverable
Calcium	160		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	53		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.0057	J	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	3.5		0.10	0.013	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	560		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	730		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	9.3		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	37		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.083		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	78		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602161-02 MW-4

Lab Sample ID: 240-242809-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	1.2	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	31		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0065		0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.16		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cadmium	0.00012	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00026	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0046	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Thallium	0.00094	J	0.0010	0.00051	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	67		20	16	ug/L	1		200.8-1994 R5.4	Total Recoverable
Calcium	110		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	39		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.010		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	1.0		0.10	0.013	mg/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602161-02 MW-4 (Continued) — Lab Sample ID: 240-242809-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO3	340		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	520		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.8	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	70		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.15		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	55		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602161-03 MW-10 — Lab Sample ID: 240-242809-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	0.38	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	4.1		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.029		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cadmium	0.00020	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00012	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Selenium	0.0021	J	0.0050	0.00089	mg/L	1		200.8-1994 R5.4	Total Recoverable
Thallium	0.0011		0.0010	0.00051	mg/L	1		200.8-1994 R5.4	Total Recoverable
Vanadium	0.0010	J	0.0050	0.00082	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	41		20	16	ug/L	1		200.8-1994 R5.4	Total Recoverable
Calcium	120		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	26		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.041	J	0.10	0.013	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	380		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	400		10	7.8	mg/L	1		2540 C-2020	Total/NA
Chloride	1.6		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.048	J	0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	17		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602161-04 MW-11 — Lab Sample ID: 240-242809-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	1.2	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	38		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.019		0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.18		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cadmium	0.000091	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00050	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0046	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Vanadium	0.0027	J	0.0050	0.00082	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	220		40	32	ug/L	2		200.8-1994 R5.4	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602161-04 MW-11 (Continued) — Lab Sample ID: 240-242809-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	140		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	38		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	19		0.50	0.067	mg/L	5		200.8	Total/NA
Zinc	0.0024	J	0.0070	0.00093	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	480		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	560		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	46		10	1.0	mg/L	1		2540D-2020	Total/NA
Chloride	57		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.15		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602161-05 MW-11B — Lab Sample ID: 240-242809-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	5.9		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	15		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium, Dissolved	5.4		3.3	0.17	mg/L	1		200.7 Rev 4.4	Dissolved
Sodium, Dissolved	13		0.60	0.33	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic	0.0021	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.070		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0026	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	660		100	80	ug/L	5		200.8-1994 R5.4	Total Recoverable
Calcium	67		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	24		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.032		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Arsenic, Dissolved	2.0	J	5.0	0.75	ug/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	73		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	2.6	J	5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Boron, Dissolved	730		200	160	ug/L	10		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	69000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	25000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	33		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Iron	0.53		0.10	0.013	mg/L	1		200.8	Total/NA
Iron, Dissolved	0.56		0.10	0.013	mg/L	1		200.8	Dissolved
Bicarbonate Alkalinity as CaCO3	300		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	280		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.0	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	0.96	J	1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.40		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	3.1		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602161-06 MW-13 — Lab Sample ID: 240-242809-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	0.67	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	8.4		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602161-06 MW-13 (Continued) — Lab Sample ID: 240-242809-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0045	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.035		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00038	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Selenium	0.0012	J	0.0050	0.00089	mg/L	1		200.8-1994 R5.4	Total Recoverable
Vanadium	0.0011	J	0.0050	0.00082	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	140		20	16	ug/L	1		200.8-1994 R5.4	Total Recoverable
Calcium	170		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	39		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	1.3		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.0011	J	0.0070	0.00093	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	460		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	610		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.5	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	9.3		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.13		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	90		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602161-07 MW-18A — Lab Sample ID: 240-242809-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	6.0		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	53		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.040		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.10		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	640		100	80	ug/L	5		200.8-1994 R5.4	Total Recoverable
Calcium	90		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	16		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.063		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	1.9		0.10	0.013	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	140		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	530		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.2	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	85		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.65		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	180		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602161-08 MW-18B — Lab Sample ID: 240-242809-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	7.4		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	79		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602161-08 MW-18B (Continued) — Lab Sample ID: 240-242809-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.058		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.12		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.010		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	2500		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	170		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	32		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.13		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	2.4		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.0044	J	0.0070	0.00093	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	200		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	970		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	6.6		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	92		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.30		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	440		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L602161-09 MW-18C — Lab Sample ID: 240-242809-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	5.4		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	90		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.058		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00013	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.14		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.011		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	2900		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	170		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	40		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.11		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	2.8		0.10	0.013	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	210		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	1100		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	6.2		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	92		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.18		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	530		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L602169-01 MW-7B — Lab Sample ID: 240-242809-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	4.8		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602169-01 MW-7B (Continued)

Lab Sample ID: 240-242809-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Na	130		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.0076		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	2800		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	8.3		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	2.6		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.031		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.065	J	0.10	0.013	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	330		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	350		10	7.8	mg/L	1		2540 C-2020	Total/NA
Chloride	0.95	J	1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.80		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	0.37	J	1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602161-10 MW-18D

Lab Sample ID: 240-242809-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	5.4		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	130		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.022		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00042	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.049		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.0037		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	3100		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	61		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	12		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.062		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	1.0		0.10	0.013	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	310		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	590		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.4	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	30		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	1.1		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	160		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602169-02 MW-8

Lab Sample ID: 240-242809-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	0.31	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	12		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.023		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0020	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602169-02 MW-8 (Continued)

Lab Sample ID: 240-242809-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	55		20	16	ug/L	1		200.8-1994 R5.4	Total Recoverable
Calcium	110		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	33		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.0045	J	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.015	J	0.10	0.013	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	390		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	400		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	0.40	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	14		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.046	J	0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	19		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602161-11 MWT-18A

Lab Sample ID: 240-242809-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	6.1		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	53		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.00078	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.042		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.11		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	640		100	80	ug/L	5		200.8-1994 R5.4	Total Recoverable
Calcium	93		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	16		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.065		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	1.9		0.10	0.013	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	140	B	5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	500		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	2.0	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	85		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.66		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	180		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602169-03 MW-9

Lab Sample ID: 240-242809-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	0.82	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	2.9		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.017		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	31		20	16	ug/L	1		200.8-1994 R5.4	Total Recoverable
Calcium	94		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	23		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602169-03 MW-9 (Continued)

Lab Sample ID: 240-242809-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO3	310	B	5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	300		10	7.8	mg/L	1		2540 C-2020	Total/NA
Chloride	2.3		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	10		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602161-12 Field Blank

Lab Sample ID: 240-242809-15

No Detections.

Client Sample ID: L602170-01 MW-15

Lab Sample ID: 240-242809-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Na	38		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.051		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00014	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Selenium	0.022		0.0050	0.00089	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	230		40	32	ug/L	2		200.8-1994 R5.4	Total Recoverable
Calcium	120		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	32		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.19		0.10	0.013	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	310	B	5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	660		10	7.8	mg/L	1		2540 C-2020	Total/NA
Chloride	110		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.042	J	0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	140		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602170-02 MW-100A

Lab Sample ID: 240-242809-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	1.9	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	11		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.012		0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.18		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00020	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0067		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	45		20	16	ug/L	1		200.8-1994 R5.4	Total Recoverable
Calcium	84		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	36		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.0091		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	2.2		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.0042	J	0.0070	0.00093	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	360	B	5.0	2.6	mg/L	1		2320 B-2021	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602170-02 MW-100A (Continued) — Lab Sample ID: 240-242809-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	370		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	5.0		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	11		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.57		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	27		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602170-03 MW-100B — Lab Sample ID: 240-242809-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	3.5		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	24		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0067		0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.13		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0049	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.0016	J	0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	240		40	32	ug/L	2		200.8-1994 R5.4	Total Recoverable
Calcium	87		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	31		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.017		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	2.5		0.50	0.067	mg/L	5		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	300	B	5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	470		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	4.3		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	17		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.41		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	120		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602170-04 MW-100C — Lab Sample ID: 240-242809-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	6.1		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	26		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.054		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1800		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	59		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	20		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.033		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.53		0.10	0.013	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	300	B	5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	280		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.0	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	2.4		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602170-04 MW-100C (Continued)

Lab Sample ID: 240-242809-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.43		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	1.6		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602170-05 MW-100D

Lab Sample ID: 240-242809-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	3.6		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	150		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0018	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.0082		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00033	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0050		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	2600		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	25		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	4.9		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.020		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.27		0.10	0.013	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	390	B	5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	460		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.6	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	7.1		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.86		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	44		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602170-06 MWT-100C

Lab Sample ID: 240-242809-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	6.4		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	29		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.00084	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.055		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1900		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	61		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	20		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.034		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.54		0.10	0.013	mg/L	1		200.8	Total/NA
Bicarbonate Alkalinity as CaCO3	300	B	5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	270		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.1	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	2.4		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.43		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602170-06 MWT-100C (Continued)
Lab Sample ID: 240-242809-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	1.6		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602170-07 Field Blank
Lab Sample ID: 240-242809-22

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602161-01 MW-1

Date Collected: 02/04/26 15:00
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-1

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	0.80	J	3.3	0.17	mg/L		02/10/26 16:10	02/20/26 16:24	1
Na	22		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 16:24	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 18:09	1
Arsenic	0.0031	J	0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 18:09	1
Barium	0.078		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 18:09	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 18:09	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 18:09	1
Cobalt	0.0016		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 18:09	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 18:09	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 18:09	1
Molybdenum	0.0012	J	0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 18:09	1
Nickel	0.0015	J	0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 18:09	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 18:09	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 18:09	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 18:09	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 18:09	1
Vanadium	0.00086	J	0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 18:09	1
Boron	92		20	16	ug/L		02/09/26 14:00	02/11/26 14:50	1
Calcium	160		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 18:09	1
Magnesium	53		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 18:09	1
Lithium	0.0057	J	0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 18:09	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	3.5		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 21:10	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 21:10	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	560		5.0	2.6	mg/L			02/09/26 19:56	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 19:56	1
Total Dissolved Solids (SM 2540 C-2020)	730		10	7.8	mg/L			02/10/26 09:34	1
Total Suspended Solids (SM 2540D-2020)	9.3		4.0	0.40	mg/L			02/10/26 10:08	1
Chloride (EPA 300.0-1993 R2.1)	37		1.0	0.13	mg/L			02/09/26 19:53	1
Fluoride (EPA 300.0-1993 R2.1)	0.083		0.050	0.024	mg/L			02/09/26 19:53	1
Sulfate (EPA 300.0-1993 R2.1)	78		1.0	0.35	mg/L			02/09/26 19:53	1

Client Sample ID: L602161-02 MW-4
Date Collected: 02/04/26 16:50
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-2
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	1.2	J	3.3	0.17	mg/L		02/10/26 16:10	02/20/26 16:40	1
Na	31		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 16:40	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 18:18	1
Arsenic	0.0065		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 18:18	1
Barium	0.16		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 18:18	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 18:18	1
Cadmium	0.00012	J	0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 18:18	1
Cobalt	0.00026	J	0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 18:18	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 18:18	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 18:18	1
Molybdenum	0.0046	J	0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 18:18	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 18:18	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 18:18	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 18:18	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 18:18	1
Thallium	0.00094	J	0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 18:18	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 18:18	1
Boron	67		20	16	ug/L		02/09/26 14:00	02/11/26 14:58	1
Calcium	110		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 18:18	1
Magnesium	39		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 18:18	1
Lithium	0.010		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 18:18	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.0		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 21:26	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 21:26	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	340		5.0	2.6	mg/L			02/09/26 20:06	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 20:06	1
Total Dissolved Solids (SM 2540 C-2020)	520		10	7.8	mg/L			02/10/26 09:34	1
Total Suspended Solids (SM 2540D-2020)	1.8	J	4.0	0.40	mg/L			02/10/26 10:08	1
Chloride (EPA 300.0-1993 R2.1)	70		1.0	0.13	mg/L			02/09/26 20:08	1
Fluoride (EPA 300.0-1993 R2.1)	0.15		0.050	0.024	mg/L			02/09/26 20:08	1
Sulfate (EPA 300.0-1993 R2.1)	55		1.0	0.35	mg/L			02/09/26 20:08	1

Client Sample ID: L602161-03 MW-10

Date Collected: 02/04/26 16:46
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-3

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	0.38	J	3.3	0.17	mg/L		02/10/26 16:10	02/20/26 16:56	1
Na	4.1		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 16:56	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 18:26	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 18:26	1
Barium	0.029		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 18:26	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 18:26	1
Cadmium	0.00020	J	0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 18:26	1
Cobalt	0.00012	J	0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 18:26	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 18:26	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 18:26	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 18:26	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 18:26	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 18:26	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 18:26	1
Selenium	0.0021	J	0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 18:26	1
Thallium	0.0011		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 18:26	1
Vanadium	0.0010	J	0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 18:26	1
Boron	41		20	16	ug/L		02/09/26 14:00	02/11/26 15:06	1
Calcium	120		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 18:26	1
Magnesium	26		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 18:26	1
Lithium	ND		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 18:26	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.041	J	0.10	0.013	mg/L		02/10/26 16:10	02/11/26 21:42	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 21:42	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	380		5.0	2.6	mg/L			02/09/26 20:14	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 20:14	1
Total Dissolved Solids (SM 2540 C-2020)	400		10	7.8	mg/L			02/10/26 09:34	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/10/26 10:08	1
Chloride (EPA 300.0-1993 R2.1)	1.6		1.0	0.13	mg/L			02/09/26 19:45	1
Fluoride (EPA 300.0-1993 R2.1)	0.048	J	0.050	0.024	mg/L			02/09/26 19:45	1
Sulfate (EPA 300.0-1993 R2.1)	17		1.0	0.35	mg/L			02/09/26 19:45	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602161-04 MW-11

Date Collected: 02/04/26 09:35
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-4

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**1.2**	**J**	3.3	0.17	mg/L		02/10/26 16:10	02/20/26 16:59	1
Na	**38**		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 16:59	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 18:29	1
Arsenic	**0.019**		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 18:29	1
Barium	**0.18**		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 18:29	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 18:29	1
Cadmium	**0.000091**	**J**	0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 18:29	1
Cobalt	**0.00050**	**J**	0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 18:29	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 18:29	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 18:29	1
Molybdenum	**0.0046**	**J**	0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 18:29	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 18:29	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 18:29	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 18:29	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 18:29	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 18:29	1
Vanadium	**0.0027**	**J**	0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 18:29	1
Boron	**220**		40	32	ug/L		02/09/26 14:00	02/11/26 15:08	2
Calcium	**140**		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 18:29	1
Magnesium	**38**		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 18:29	1
Lithium	ND		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 18:29	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**19**		0.50	0.067	mg/L		02/10/26 16:10	02/11/26 21:48	5
Zinc	**0.0024**	**J**	0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 21:45	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**480**		5.0	2.6	mg/L			02/09/26 20:55	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 20:55	1
Total Dissolved Solids (SM 2540 C-2020)	**560**		10	7.8	mg/L			02/10/26 12:32	1
Total Suspended Solids (SM 2540D-2020)	**46**		10	1.0	mg/L			02/10/26 10:08	1
Chloride (EPA 300.0-1993 R2.1)	**57**		1.0	0.13	mg/L			02/10/26 03:03	1
Fluoride (EPA 300.0-1993 R2.1)	**0.15**		0.050	0.024	mg/L			02/10/26 03:03	1
Sulfate (EPA 300.0-1993 R2.1)	ND		1.0	0.35	mg/L			02/10/26 03:03	1

Client Sample ID: L602161-05 MW-11B

Date Collected: 02/04/26 12:05
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-5

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**5.9**		3.3	0.17	mg/L		02/10/26 16:10	02/20/26 17:06	1
Na	**15**		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 17:06	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium, Dissolved	**5.4**		3.3	0.17	mg/L		02/10/26 16:10	02/20/26 17:02	1
Sodium, Dissolved	**13**		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 17:02	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 18:31	1
Arsenic	**0.0021**	**J**	0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 18:31	1
Barium	**0.070**		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 18:31	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 18:31	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 18:31	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 18:31	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 18:31	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 18:31	1
Molybdenum	**0.0026**	**J**	0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 18:31	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 18:31	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 18:31	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 18:31	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 18:31	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 18:31	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 18:31	1
Boron	**660**		100	80	ug/L		02/09/26 14:00	02/11/26 15:11	5
Calcium	**67**		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 18:31	1
Magnesium	**24**		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 18:31	1
Lithium	**0.032**		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 18:31	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver, Dissolved	ND		1.0	0.053	ug/L		02/09/26 14:00	02/10/26 18:01	1
Arsenic, Dissolved	**2.0**	**J**	5.0	0.75	ug/L		02/09/26 14:00	02/10/26 18:01	1
Barium, Dissolved	**73**		5.0	0.77	ug/L		02/09/26 14:00	02/10/26 18:01	1
Beryllium, Dissolved	ND		1.0	0.27	ug/L		02/09/26 14:00	02/10/26 18:01	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/09/26 14:00	02/10/26 18:01	1
Cobalt, Dissolved	ND		1.0	0.086	ug/L		02/09/26 14:00	02/10/26 18:01	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/09/26 14:00	02/10/26 18:01	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/09/26 14:00	02/10/26 18:01	1
Molybdenum, Dissolved	**2.6**	**J**	5.0	1.1	ug/L		02/11/26 14:00	02/12/26 17:18	1
Nickel, Dissolved	ND		2.0	1.5	ug/L		02/09/26 14:00	02/10/26 18:01	1
Lead, Dissolved	ND		1.0	0.45	ug/L		02/09/26 14:00	02/10/26 18:01	1
Antimony, Dissolved	ND		2.0	0.57	ug/L		02/11/26 14:00	02/12/26 17:18	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/09/26 14:00	02/10/26 18:01	1
Thallium, Dissolved	ND		1.0	0.51	ug/L		02/09/26 14:00	02/10/26 18:01	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/09/26 14:00	02/10/26 18:01	1
Boron, Dissolved	**730**		200	160	ug/L		02/11/26 14:00	02/12/26 16:16	10
Calcium, Dissolved	**69000**		1000	250	ug/L		02/09/26 14:00	02/10/26 18:01	1
Magnesium, Dissolved	**25000**		1000	61	ug/L		02/09/26 14:00	02/10/26 18:01	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602161-05 MW-11B
Date Collected: 02/04/26 12:05
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-5
Matrix: Water

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium, Dissolved	**33**		8.0	3.4	ug/L		02/09/26 14:00	02/10/26 18:01	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.53**		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 21:55	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 21:55	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.56**		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 21:52	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 21:52	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:24	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.20	0.13	ug/L		02/09/26 14:00	02/10/26 11:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**300**		5.0	2.6	mg/L			02/09/26 21:05	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 21:05	1
Total Dissolved Solids (SM 2540 C-2020)	**280**		10	7.8	mg/L			02/10/26 12:32	1
Total Suspended Solids (SM 2540D-2020)	**1.0**	**J**	4.0	0.40	mg/L			02/10/26 10:08	1
Chloride (EPA 300.0-1993 R2.1)	**0.96**	**J**	1.0	0.13	mg/L			02/09/26 21:40	1
Fluoride (EPA 300.0-1993 R2.1)	**0.40**		0.050	0.024	mg/L			02/09/26 21:40	1
Sulfate (EPA 300.0-1993 R2.1)	**3.1**		1.0	0.35	mg/L			02/09/26 21:40	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602161-06 MW-13

Date Collected: 02/04/26 09:16
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-6

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	0.67	J	3.3	0.17	mg/L		02/10/26 16:10	02/20/26 17:09	1
Na	8.4		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 17:09	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 18:40	1
Arsenic	0.0045	J	0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 18:40	1
Barium	0.035		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 18:40	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 18:40	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 18:40	1
Cobalt	0.00038	J	0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 18:40	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 18:40	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 18:40	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 18:40	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 18:40	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 18:40	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 18:40	1
Selenium	0.0012	J	0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 18:40	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 18:40	1
Vanadium	0.0011	J	0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 18:40	1
Boron	140		20	16	ug/L		02/09/26 14:00	02/11/26 15:19	1
Calcium	170		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 18:40	1
Magnesium	39		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 18:40	1
Lithium	ND		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 18:40	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.3		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 21:57	1
Zinc	0.0011	J	0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 21:57	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	460		5.0	2.6	mg/L			02/09/26 21:13	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 21:13	1
Total Dissolved Solids (SM 2540 C-2020)	610		10	7.8	mg/L			02/10/26 12:32	1
Total Suspended Solids (SM 2540D-2020)	1.5	J	4.0	0.40	mg/L			02/10/26 10:08	1
Chloride (EPA 300.0-1993 R2.1)	9.3		1.0	0.13	mg/L			02/09/26 22:42	1
Fluoride (EPA 300.0-1993 R2.1)	0.13		0.050	0.024	mg/L			02/09/26 22:42	1
Sulfate (EPA 300.0-1993 R2.1)	90		1.0	0.35	mg/L			02/09/26 22:42	1

Client Sample ID: L602161-07 MW-18A

Date Collected: 02/04/26 11:37
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-7

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**6.0**		3.3	0.17	mg/L		02/10/26 16:10	02/20/26 17:12	1
Na	**53**		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 17:12	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 18:42	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 18:42	1
Barium	**0.040**		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 18:42	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 18:42	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 18:42	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 18:42	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 18:42	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 18:42	1
Molybdenum	**0.10**		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 18:42	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 18:42	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 18:42	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 18:42	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 18:42	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 18:42	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 18:42	1
Boron	**640**		100	80	ug/L		02/09/26 14:00	02/11/26 15:22	5
Calcium	**90**		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 18:42	1
Magnesium	**16**		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 18:42	1
Lithium	**0.063**		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 18:42	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.9**		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 22:00	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 22:00	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**140**		5.0	2.6	mg/L			02/09/26 21:23	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 21:23	1
Total Dissolved Solids (SM 2540 C-2020)	**530**		10	7.8	mg/L			02/10/26 12:32	1
Total Suspended Solids (SM 2540D-2020)	**1.2**	**J**	4.0	0.40	mg/L			02/10/26 11:00	1
Chloride (EPA 300.0-1993 R2.1)	**85**		1.0	0.13	mg/L			02/09/26 22:57	1
Fluoride (EPA 300.0-1993 R2.1)	**0.65**		0.050	0.024	mg/L			02/09/26 22:57	1
Sulfate (EPA 300.0-1993 R2.1)	**180**		1.0	0.35	mg/L			02/09/26 22:57	1

Client Sample ID: L602161-08 MW-18B
Date Collected: 02/04/26 13:06
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-8
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**7.4**		3.3	0.17	mg/L		02/10/26 16:10	02/20/26 17:15	1
Na	**79**		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 17:15	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 18:45	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 18:45	1
Barium	**0.058**		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 18:45	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 18:45	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 18:45	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 18:45	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 18:45	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 18:45	1
Molybdenum	**0.12**		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 18:45	1
Nickel	**0.010**		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 18:45	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 18:45	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 18:45	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 18:45	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 18:45	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 18:45	1
Boron	**2500**		400	320	ug/L		02/09/26 14:00	02/11/26 15:25	20
Calcium	**170**		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 18:45	1
Magnesium	**32**		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 18:45	1
Lithium	**0.13**		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 18:45	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.4**		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 22:03	1
Zinc	**0.0044**	**J**	0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 22:03	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**200**		5.0	2.6	mg/L			02/09/26 21:31	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 21:31	1
Total Dissolved Solids (SM 2540 C-2020)	**970**		10	7.8	mg/L			02/10/26 12:32	1
Total Suspended Solids (SM 2540D-2020)	**6.6**		4.0	0.40	mg/L			02/10/26 11:00	1
Chloride (EPA 300.0-1993 R2.1)	**92**		1.0	0.13	mg/L			02/09/26 23:12	1
Fluoride (EPA 300.0-1993 R2.1)	**0.30**		0.050	0.024	mg/L			02/09/26 23:12	1
Sulfate (EPA 300.0-1993 R2.1)	**440**		5.0	1.7	mg/L			02/09/26 23:20	5

Client Sample ID: L602161-09 MW-18C

Date Collected: 02/04/26 14:15
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-9

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**5.4**		3.3	0.17	mg/L		02/10/26 16:10	02/20/26 17:19	1
Na	**90**		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 17:19	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 18:48	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 18:48	1
Barium	**0.058**		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 18:48	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 18:48	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 18:48	1
Cobalt	**0.00013**	**J**	0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 18:48	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 18:48	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 18:48	1
Molybdenum	**0.14**		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 18:48	1
Nickel	**0.011**		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 18:48	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 18:48	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 18:48	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 18:48	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 18:48	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 18:48	1
Boron	**2900**		400	320	ug/L		02/09/26 14:00	02/11/26 15:28	20
Calcium	**170**		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 18:48	1
Magnesium	**40**		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 18:48	1
Lithium	**0.11**		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 18:48	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.8**		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 22:06	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 22:06	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**210**		5.0	2.6	mg/L			02/09/26 21:39	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 21:39	1
Total Dissolved Solids (SM 2540 C-2020)	**1100**		10	7.8	mg/L			02/10/26 12:32	1
Total Suspended Solids (SM 2540D-2020)	**6.2**		4.0	0.40	mg/L			02/10/26 11:00	1
Chloride (EPA 300.0-1993 R2.1)	**92**		1.0	0.13	mg/L			02/09/26 23:43	1
Fluoride (EPA 300.0-1993 R2.1)	**0.18**		0.050	0.024	mg/L			02/09/26 23:43	1
Sulfate (EPA 300.0-1993 R2.1)	**530**		5.0	1.7	mg/L			02/09/26 23:51	5

Client Sample ID: L602169-01 MW-7B

Lab Sample ID: 240-242809-10

Date Collected: 02/05/26 13:35

Matrix: Water

Date Received: 02/09/26 08:14

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**4.8**		3.3	0.17	mg/L		02/10/26 16:10	02/20/26 17:22	1
Na	**130**		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 17:22	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 18:51	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 18:51	1
Barium	**0.0076**		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 18:51	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 18:51	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 18:51	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 18:51	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 18:51	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 18:51	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 18:51	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 18:51	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 18:51	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 18:51	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 18:51	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 18:51	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 18:51	1
Boron	**2800**		400	320	ug/L		02/09/26 14:00	02/11/26 15:30	20
Calcium	**8.3**		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 18:51	1
Magnesium	**2.6**		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 18:51	1
Lithium	**0.031**		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 18:51	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.065**	**J**	0.10	0.013	mg/L		02/10/26 16:10	02/11/26 22:15	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 22:15	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**330**		5.0	2.6	mg/L			02/09/26 21:46	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 21:46	1
Total Dissolved Solids (SM 2540 C-2020)	**350**		10	7.8	mg/L			02/11/26 10:03	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/11/26 11:16	1
Chloride (EPA 300.0-1993 R2.1)	**0.95**	**J**	1.0	0.13	mg/L			02/09/26 22:19	1
Fluoride (EPA 300.0-1993 R2.1)	**0.80**		0.050	0.024	mg/L			02/09/26 22:19	1
Sulfate (EPA 300.0-1993 R2.1)	**0.37**	**J**	1.0	0.35	mg/L			02/09/26 22:19	1

Client Sample ID: L602161-10 MW-18D
Date Collected: 02/04/26 15:26
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-11
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	5.4		3.3	0.17	mg/L		02/10/26 16:10	02/20/26 17:25	1
Na	130		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 17:25	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 18:54	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 18:54	1
Barium	0.022		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 18:54	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 18:54	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 18:54	1
Cobalt	0.00042	J	0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 18:54	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 18:54	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 18:54	1
Molybdenum	0.049		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 18:54	1
Nickel	0.0037		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 18:54	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 18:54	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 18:54	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 18:54	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 18:54	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 18:54	1
Boron	3100		400	320	ug/L		02/09/26 14:00	02/11/26 15:33	20
Calcium	61		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 18:54	1
Magnesium	12		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 18:54	1
Lithium	0.062		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 18:54	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.0		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 22:18	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 22:18	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	310		5.0	2.6	mg/L			02/09/26 21:55	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 21:55	1
Total Dissolved Solids (SM 2540 C-2020)	590		10	7.8	mg/L			02/10/26 12:32	1
Total Suspended Solids (SM 2540D-2020)	1.4	J	4.0	0.40	mg/L			02/10/26 11:00	1
Chloride (EPA 300.0-1993 R2.1)	30		1.0	0.13	mg/L			02/09/26 23:59	1
Fluoride (EPA 300.0-1993 R2.1)	1.1		0.050	0.024	mg/L			02/09/26 23:59	1
Sulfate (EPA 300.0-1993 R2.1)	160		1.0	0.35	mg/L			02/09/26 23:59	1

Client Sample ID: L602169-02 MW-8

Date Collected: 02/05/26 11:35
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-12

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**0.31**	**J**	3.3	0.17	mg/L		02/10/26 16:10	02/20/26 17:35	1
Na	**12**		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 17:35	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 18:56	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 18:56	1
Barium	**0.023**		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 18:56	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 18:56	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 18:56	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 18:56	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 18:56	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 18:56	1
Molybdenum	**0.0020**	**J**	0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 18:56	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 18:56	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 18:56	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 18:56	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 18:56	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 18:56	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 18:56	1
Boron	**55**		20	16	ug/L		02/09/26 14:00	02/11/26 15:36	1
Calcium	**110**		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 18:56	1
Magnesium	**33**		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 18:56	1
Lithium	**0.0045**	**J**	0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 18:56	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.015**	**J**	0.10	0.013	mg/L		02/10/26 16:10	02/11/26 22:21	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 22:21	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**390**		5.0	2.6	mg/L			02/09/26 22:03	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 22:03	1
Total Dissolved Solids (SM 2540 C-2020)	**400**		10	7.8	mg/L			02/11/26 10:03	1
Total Suspended Solids (SM 2540D-2020)	**0.40**	**J**	4.0	0.40	mg/L			02/11/26 11:16	1
Chloride (EPA 300.0-1993 R2.1)	**14**		1.0	0.13	mg/L			02/09/26 22:27	1
Fluoride (EPA 300.0-1993 R2.1)	**0.046**	**J**	0.050	0.024	mg/L			02/09/26 22:27	1
Sulfate (EPA 300.0-1993 R2.1)	**19**		1.0	0.35	mg/L			02/09/26 22:27	1

Client Sample ID: L602161-11 MWT-18A

Lab Sample ID: 240-242809-13

Date Collected: 02/04/26 11:37

Matrix: Water

Date Received: 02/09/26 08:14

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	6.1		3.3	0.17	mg/L		02/10/26 16:10	02/20/26 17:39	1
Na	53		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 17:39	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 18:59	1
Arsenic	0.00078	J	0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 18:59	1
Barium	0.042		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 18:59	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 18:59	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 18:59	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 18:59	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 18:59	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 18:59	1
Molybdenum	0.11		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 18:59	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 18:59	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 18:59	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 18:59	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 18:59	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 18:59	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 18:59	1
Boron	640		100	80	ug/L		02/09/26 14:00	02/11/26 15:39	5
Calcium	93		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 18:59	1
Magnesium	16		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 18:59	1
Lithium	0.065		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 18:59	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.9		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 22:24	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 22:24	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	140	B	5.0	2.6	mg/L			02/09/26 22:28	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 22:28	1
Total Dissolved Solids (SM 2540 C-2020)	500		10	7.8	mg/L			02/10/26 12:32	1
Total Suspended Solids (SM 2540D-2020)	2.0	J	4.0	0.40	mg/L			02/10/26 11:00	1
Chloride (EPA 300.0-1993 R2.1)	85		1.0	0.13	mg/L			02/10/26 00:14	1
Fluoride (EPA 300.0-1993 R2.1)	0.66		0.050	0.024	mg/L			02/10/26 00:14	1
Sulfate (EPA 300.0-1993 R2.1)	180		1.0	0.35	mg/L			02/10/26 00:14	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602169-03 MW-9

Date Collected: 02/05/26 09:30
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-14

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**0.82**	**J**	3.3	0.17	mg/L		02/10/26 16:10	02/20/26 17:42	1
Na	**2.9**		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 17:42	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 19:02	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 19:02	1
Barium	**0.017**		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 19:02	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 19:02	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 19:02	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 19:02	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 19:02	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 19:02	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 19:02	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 19:02	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 19:02	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 19:02	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 19:02	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 19:02	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 19:02	1
Boron	**31**		20	16	ug/L		02/09/26 14:00	02/11/26 15:41	1
Calcium	**94**		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 19:02	1
Magnesium	**23**		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 19:02	1
Lithium	ND		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 19:02	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 22:27	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 22:27	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**310**	**B**	5.0	2.6	mg/L			02/09/26 22:42	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 22:42	1
Total Dissolved Solids (SM 2540 C-2020)	**300**		10	7.8	mg/L			02/11/26 10:03	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/11/26 11:16	1
Chloride (EPA 300.0-1993 R2.1)	**2.3**		1.0	0.13	mg/L			02/09/26 22:34	1
Fluoride (EPA 300.0-1993 R2.1)	ND		0.050	0.024	mg/L			02/09/26 22:34	1
Sulfate (EPA 300.0-1993 R2.1)	**10**		1.0	0.35	mg/L			02/09/26 22:34	1

Client Sample ID: L602161-12 Field Blank

Lab Sample ID: 240-242809-15

Date Collected: 02/04/26 08:15

Matrix: Water

Date Received: 02/09/26 08:14

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		02/10/26 16:10	02/20/26 17:45	1
Na	ND		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 17:45	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 19:10	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 19:10	1
Barium	ND		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 19:10	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 19:10	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 19:10	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 19:10	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 19:10	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 19:10	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 19:10	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 19:10	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 19:10	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 19:10	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 19:10	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 19:10	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 19:10	1
Boron	ND		20	16	ug/L		02/09/26 14:00	02/11/26 15:44	1
Calcium	ND		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 19:10	1
Magnesium	ND		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 19:10	1
Lithium	ND		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 19:10	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 22:30	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 22:30	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 22:50	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 22:50	1
Total Dissolved Solids (SM 2540 C-2020)	ND		10	7.8	mg/L			02/10/26 12:32	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/10/26 11:00	1
Chloride (EPA 300.0-1993 R2.1)	ND		1.0	0.13	mg/L			02/10/26 01:38	1
Fluoride (EPA 300.0-1993 R2.1)	ND		0.050	0.024	mg/L			02/10/26 01:38	1
Sulfate (EPA 300.0-1993 R2.1)	ND		1.0	0.35	mg/L			02/10/26 01:38	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602170-01 MW-15

Date Collected: 02/05/26 09:05
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-16

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		02/10/26 16:10	02/20/26 17:49	1
Na	**38**		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 17:49	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 19:13	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 19:13	1
Barium	**0.051**		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 19:13	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 19:13	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 19:13	1
Cobalt	**0.00014**	**J**	0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 19:13	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 19:13	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 19:13	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 19:13	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 19:13	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 19:13	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 19:13	1
Selenium	**0.022**		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 19:13	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 19:13	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 19:13	1
Boron	**230**		40	32	ug/L		02/09/26 14:00	02/11/26 15:52	2
Calcium	**120**		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 19:13	1
Magnesium	**32**		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 19:13	1
Lithium	ND		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 19:13	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.19**		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 22:33	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 22:33	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**310**	**B**	5.0	2.6	mg/L			02/09/26 22:55	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 22:55	1
Total Dissolved Solids (SM 2540 C-2020)	**660**		10	7.8	mg/L			02/11/26 10:03	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/11/26 11:16	1
Chloride (EPA 300.0-1993 R2.1)	**110**		1.0	0.13	mg/L			02/10/26 02:48	1
Fluoride (EPA 300.0-1993 R2.1)	**0.042**	**J**	0.050	0.024	mg/L			02/10/26 02:48	1
Sulfate (EPA 300.0-1993 R2.1)	**140**		1.0	0.35	mg/L			02/10/26 02:48	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602170-02 MW-100A

Date Collected: 02/05/26 16:04
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-17

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**1.9**	**J**	3.3	0.17	mg/L		02/11/26 17:02	02/17/26 16:29	1
Na	**11**		0.60	0.33	mg/L		02/11/26 17:02	02/17/26 16:29	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 19:16	1
Arsenic	**0.012**		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 19:16	1
Barium	**0.18**		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 19:16	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 19:16	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 19:16	1
Cobalt	**0.00020**	**J**	0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 19:16	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 19:16	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 19:16	1
Molybdenum	**0.0067**		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 19:16	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 19:16	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 19:16	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 19:16	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 19:16	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 19:16	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 19:16	1
Boron	**45**		20	16	ug/L		02/09/26 14:00	02/11/26 15:55	1
Calcium	**84**		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 19:16	1
Magnesium	**36**		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 19:16	1
Lithium	**0.0091**		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 19:16	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.2**		0.10	0.013	mg/L		02/11/26 17:02	02/12/26 15:59	1
Zinc	**0.0042**	**J**	0.0070	0.00093	mg/L		02/11/26 17:02	02/12/26 15:59	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**360**	**B**	5.0	2.6	mg/L			02/09/26 23:04	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 23:04	1
Total Dissolved Solids (SM 2540 C-2020)	**370**		10	7.8	mg/L			02/11/26 10:03	1
Total Suspended Solids (SM 2540D-2020)	**5.0**		4.0	0.40	mg/L			02/11/26 11:16	1
Chloride (EPA 300.0-1993 R2.1)	**11**		1.0	0.13	mg/L			02/10/26 01:15	1
Fluoride (EPA 300.0-1993 R2.1)	**0.57**		0.050	0.024	mg/L			02/10/26 01:15	1
Sulfate (EPA 300.0-1993 R2.1)	**27**		1.0	0.35	mg/L			02/10/26 01:15	1

Client Sample ID: L602170-03 MW-100B
Date Collected: 02/05/26 12:23
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-18
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	3.5		3.3	0.17	mg/L		02/11/26 17:02	02/17/26 16:44	1
Na	24		0.60	0.33	mg/L		02/11/26 17:02	02/17/26 16:44	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 19:18	1
Arsenic	0.0067		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 19:18	1
Barium	0.13		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 19:18	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 19:18	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 19:18	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 19:18	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 19:18	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 19:18	1
Molybdenum	0.0049	J	0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 19:18	1
Nickel	0.0016	J	0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 19:18	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 19:18	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 19:18	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 19:18	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 19:18	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 19:18	1
Boron	240		40	32	ug/L		02/09/26 14:00	02/11/26 15:58	2
Calcium	87		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 19:18	1
Magnesium	31		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 19:18	1
Lithium	0.017		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 19:18	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2.5		0.50	0.067	mg/L		02/11/26 17:02	02/12/26 17:54	5
Zinc	ND		0.035	0.0046	mg/L		02/11/26 17:02	02/12/26 17:54	5

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	300	B	5.0	2.6	mg/L			02/09/26 23:13	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 23:13	1
Total Dissolved Solids (SM 2540 C-2020)	470		10	7.8	mg/L			02/11/26 10:03	1
Total Suspended Solids (SM 2540D-2020)	4.3		4.0	0.40	mg/L			02/11/26 11:16	1
Chloride (EPA 300.0-1993 R2.1)	17		1.0	0.13	mg/L			02/10/26 01:46	1
Fluoride (EPA 300.0-1993 R2.1)	0.41		0.050	0.024	mg/L			02/10/26 01:46	1
Sulfate (EPA 300.0-1993 R2.1)	120		1.0	0.35	mg/L			02/10/26 01:46	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602170-04 MW-100C

Date Collected: 02/05/26 13:48
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-19

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**6.1**		3.3	0.17	mg/L		02/11/26 17:02	02/17/26 17:00	1
Na	**26**		0.60	0.33	mg/L		02/11/26 17:02	02/17/26 17:00	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 19:21	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 19:21	1
Barium	**0.054**		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 19:21	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 19:21	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 19:21	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 19:21	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 19:21	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 19:21	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 19:21	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 19:21	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 19:21	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 19:21	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 19:21	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 19:21	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 19:21	1
Boron	**1800**		200	160	ug/L		02/09/26 14:00	02/11/26 16:01	10
Calcium	**59**		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 19:21	1
Magnesium	**20**		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 19:21	1
Lithium	**0.033**		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 19:21	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.53**		0.10	0.013	mg/L		02/11/26 17:02	02/12/26 17:11	1
Zinc	ND		0.0070	0.00093	mg/L		02/11/26 17:02	02/12/26 17:11	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**300**	**B**	5.0	2.6	mg/L			02/09/26 23:21	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 23:21	1
Total Dissolved Solids (SM 2540 C-2020)	**280**		10	7.8	mg/L			02/11/26 10:03	1
Total Suspended Solids (SM 2540D-2020)	**1.0**	**J**	4.0	0.40	mg/L			02/11/26 11:16	1
Chloride (EPA 300.0-1993 R2.1)	**2.4**		1.0	0.13	mg/L			02/10/26 01:54	1
Fluoride (EPA 300.0-1993 R2.1)	**0.43**		0.050	0.024	mg/L			02/10/26 01:54	1
Sulfate (EPA 300.0-1993 R2.1)	**1.6**		1.0	0.35	mg/L			02/10/26 01:54	1

Client Sample ID: L602170-05 MW-100D

Lab Sample ID: 240-242809-20

Date Collected: 02/05/26 15:22

Matrix: Water

Date Received: 02/09/26 08:14

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	3.6		3.3	0.17	mg/L		02/11/26 17:02	02/17/26 17:04	1
Na	150		0.60	0.33	mg/L		02/11/26 17:02	02/17/26 17:04	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 19:24	1
Arsenic	0.0018	J	0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 19:24	1
Barium	0.0082		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 19:24	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 19:24	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 19:24	1
Cobalt	0.00033	J	0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 19:24	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 19:24	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 19:24	1
Molybdenum	0.0050		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 19:24	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 19:24	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 19:24	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 19:24	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 19:24	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 19:24	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 19:24	1
Boron	2600		400	320	ug/L		02/09/26 14:00	02/11/26 16:03	20
Calcium	25		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 19:24	1
Magnesium	4.9		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 19:24	1
Lithium	0.020		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 19:24	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.27		0.10	0.013	mg/L		02/11/26 17:02	02/12/26 17:14	1
Zinc	ND		0.035	0.0046	mg/L		02/11/26 17:02	02/12/26 18:06	5

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	390	B	5.0	2.6	mg/L			02/09/26 23:29	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 23:29	1
Total Dissolved Solids (SM 2540 C-2020)	460		10	7.8	mg/L			02/11/26 10:03	1
Total Suspended Solids (SM 2540D-2020)	1.6	J	4.0	0.40	mg/L			02/11/26 11:16	1
Chloride (EPA 300.0-1993 R2.1)	7.1		1.0	0.13	mg/L			02/10/26 02:02	1
Fluoride (EPA 300.0-1993 R2.1)	0.86		0.050	0.024	mg/L			02/10/26 02:02	1
Sulfate (EPA 300.0-1993 R2.1)	44		1.0	0.35	mg/L			02/10/26 02:02	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602170-06 MWT-100C

Date Collected: 02/05/26 13:48
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-21

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	6.4		3.3	0.17	mg/L		02/11/26 17:02	02/17/26 17:27	1
Na	29		0.60	0.33	mg/L		02/11/26 17:02	02/17/26 17:27	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 17:56	1
Arsenic	0.00084	J	0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 17:56	1
Barium	0.055		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 17:56	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 17:56	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 17:56	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 17:56	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 17:56	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 17:56	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/11/26 14:00	02/12/26 17:02	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 17:56	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 17:56	1
Antimony	ND		0.0020	0.00057	mg/L		02/11/26 14:00	02/12/26 17:02	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 17:56	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 17:56	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 17:56	1
Boron	1900		400	320	ug/L		02/11/26 14:00	02/12/26 16:00	20
Calcium	61		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 17:56	1
Magnesium	20		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 17:56	1
Lithium	0.034		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 17:56	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.54		0.10	0.013	mg/L		02/11/26 17:02	02/12/26 17:16	1
Zinc	ND		0.0070	0.00093	mg/L		02/11/26 17:02	02/12/26 17:16	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 11:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	300	B	5.0	2.6	mg/L			02/09/26 23:41	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 23:41	1
Total Dissolved Solids (SM 2540 C-2020)	270		10	7.8	mg/L			02/11/26 10:03	1
Total Suspended Solids (SM 2540D-2020)	1.1	J	4.0	0.40	mg/L			02/11/26 11:16	1
Chloride (EPA 300.0-1993 R2.1)	2.4		1.0	0.13	mg/L			02/10/26 02:09	1
Fluoride (EPA 300.0-1993 R2.1)	0.43		0.050	0.024	mg/L			02/10/26 02:09	1
Sulfate (EPA 300.0-1993 R2.1)	1.6		1.0	0.35	mg/L			02/10/26 02:09	1

Client Sample ID: L602170-07 Field Blank

Lab Sample ID: 240-242809-22

Date Collected: 02/05/26 08:00

Matrix: Water

Date Received: 02/09/26 08:14

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		02/11/26 17:02	02/17/26 17:30	1
Na	ND		0.60	0.33	mg/L		02/11/26 17:02	02/17/26 17:30	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 17:58	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 17:58	1
Barium	ND		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 17:58	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 17:58	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 17:58	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 17:58	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 17:58	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 17:58	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/11/26 14:00	02/12/26 16:08	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 17:58	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 17:58	1
Antimony	ND		0.0020	0.00057	mg/L		02/11/26 14:00	02/12/26 16:08	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 17:58	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 17:58	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 17:58	1
Boron	ND	F1	20	16	ug/L		02/11/26 14:00	02/12/26 16:08	1
Calcium	ND		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 17:58	1
Magnesium	ND		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 17:58	1
Lithium	ND		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 17:58	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		02/11/26 17:02	02/12/26 17:19	1
Zinc	ND		0.0070	0.00093	mg/L		02/11/26 17:02	02/12/26 17:19	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 23:49	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/09/26 23:49	1
Total Dissolved Solids (SM 2540 C-2020)	ND		10	7.8	mg/L			02/11/26 10:03	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/11/26 11:16	1
Chloride (EPA 300.0-1993 R2.1)	ND		1.0	0.13	mg/L			02/10/26 02:32	1
Fluoride (EPA 300.0-1993 R2.1)	ND		0.050	0.024	mg/L			02/10/26 02:32	1
Sulfate (EPA 300.0-1993 R2.1)	ND		1.0	0.35	mg/L			02/10/26 02:32	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 350-12607/1-A
Matrix: Water
Analysis Batch: 12798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12607

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		02/10/26 16:10	02/20/26 16:18	1
Potassium, Dissolved	ND		3.3	0.17	mg/L		02/10/26 16:10	02/20/26 16:18	1
Na	ND		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 16:18	1
Sodium, Dissolved	ND		0.60	0.33	mg/L		02/10/26 16:10	02/20/26 16:18	1

Lab Sample ID: LCS 350-12607/2-A
Matrix: Water
Analysis Batch: 12798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12607

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
K	20.0	17.1		mg/L		86	85 - 115
Potassium, Dissolved	20.0	17.1		mg/L		86	85 - 115
Na	20.0	17.3		mg/L		87	85 - 115
Sodium, Dissolved	20.0	17.3		mg/L		87	85 - 115

Lab Sample ID: 240-242809-1 MS
Matrix: Water
Analysis Batch: 12798

Client Sample ID: L602161-01 MW-1
Prep Type: Total/NA
Prep Batch: 12607

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
K	0.80	J	20.0	20.2		mg/L		97	70 - 130
Na	22		20.0	41.8		mg/L		97	70 - 130

Lab Sample ID: 240-242809-1 MSD
Matrix: Water
Analysis Batch: 12798

Client Sample ID: L602161-01 MW-1
Prep Type: Total/NA
Prep Batch: 12607

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
K	0.80	J	20.0	18.8		mg/L		90	70 - 130	7	20
Na	22		20.0	38.7		mg/L		82	70 - 130	8	20

Lab Sample ID: 240-242809-2 MS
Matrix: Water
Analysis Batch: 12798

Client Sample ID: L602161-02 MW-4
Prep Type: Total/NA
Prep Batch: 12607

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
K	1.2	J	20.0	20.3		mg/L		95	70 - 130
Potassium, Dissolved	1.2	J	20.0	20.3		mg/L		95	70 - 130
Na	31		20.0	50.2		mg/L		95	70 - 130
Sodium, Dissolved	31		20.0	50.2		mg/L		95	70 - 130

Lab Sample ID: 240-242809-2 MSD
Matrix: Water
Analysis Batch: 12798

Client Sample ID: L602161-02 MW-4
Prep Type: Total/NA
Prep Batch: 12607

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
K	1.2	J	20.0	19.0		mg/L		89	70 - 130	6	20
Potassium, Dissolved	1.2	J	20.0	19.0		mg/L		89	70 - 130	6	20
Na	31		20.0	46.6		mg/L		77	70 - 130	8	20
Sodium, Dissolved	31		20.0	46.6		mg/L		77	70 - 130	8	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 350-12634/1-A
Matrix: Water
Analysis Batch: 12726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		02/11/26 17:02	02/17/26 16:23	1
Na	ND		0.60	0.33	mg/L		02/11/26 17:02	02/17/26 16:23	1

Lab Sample ID: LCS 350-12634/2-A
Matrix: Water
Analysis Batch: 12726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12634

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
K	20.0	18.1		mg/L		91	85 - 115
Na	20.0	18.0		mg/L		90	85 - 115

Lab Sample ID: 240-242809-17 MS
Matrix: Water
Analysis Batch: 12726

Client Sample ID: L602170-02 MW-100A
Prep Type: Total/NA
Prep Batch: 12634

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
K	1.9	J	20.0	20.3		mg/L		92	70 - 130
Na	11		20.0	28.5		mg/L		89	70 - 130

Lab Sample ID: 240-242809-17 MSD
Matrix: Water
Analysis Batch: 12726

Client Sample ID: L602170-02 MW-100A
Prep Type: Total/NA
Prep Batch: 12634

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
K	1.9	J	20.0	22.2		mg/L		101	70 - 130	9	20
Na	11		20.0	31.2		mg/L		103	70 - 130	9	20

Lab Sample ID: 240-242809-18 MS
Matrix: Water
Analysis Batch: 12726

Client Sample ID: L602170-03 MW-100B
Prep Type: Total/NA
Prep Batch: 12634

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
K	3.5		20.0	24.2		mg/L		104	70 - 130
Na	24		20.0	46.2		mg/L		113	70 - 130

Lab Sample ID: 240-242809-18 MSD
Matrix: Water
Analysis Batch: 12726

Client Sample ID: L602170-03 MW-100B
Prep Type: Total/NA
Prep Batch: 12634

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
K	3.5		20.0	21.9		mg/L		92	70 - 130	10	20
Na	24		20.0	41.6		mg/L		90	70 - 130	10	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 350-12607/1-A
Matrix: Water
Analysis Batch: 12644

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12607

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 20:50	1
Iron, Dissolved	ND		0.10	0.013	mg/L		02/10/26 16:10	02/11/26 20:50	1
Zinc	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 20:50	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/10/26 16:10	02/11/26 20:50	1

Lab Sample ID: LCS 350-12607/2-A
Matrix: Water
Analysis Batch: 12644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12607

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	20.0	19.7		mg/L		99	85 - 115
Iron, Dissolved	20.0	19.7		mg/L		99	85 - 115
Zinc	1.00	0.962		mg/L		96	85 - 115
Zinc, Dissolved	1.00	0.962		mg/L		96	85 - 115

Lab Sample ID: 240-242809-1 MS
Matrix: Water
Analysis Batch: 12644

Client Sample ID: L602161-01 MW-1
Prep Type: Total/NA
Prep Batch: 12607

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	3.5		20.0	23.4		mg/L		100	70 - 130
Zinc	ND		1.00	0.949		mg/L		95	70 - 130

Lab Sample ID: 240-242809-1 MSD
Matrix: Water
Analysis Batch: 12644

Client Sample ID: L602161-01 MW-1
Prep Type: Total/NA
Prep Batch: 12607

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	3.5		20.0	23.4		mg/L		100	70 - 130	0	20
Zinc	ND		1.00	0.963		mg/L		96	70 - 130	1	20

Lab Sample ID: 240-242809-2 MS
Matrix: Water
Analysis Batch: 12644

Client Sample ID: L602161-02 MW-4
Prep Type: Total/NA
Prep Batch: 12607

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	1.0		20.0	20.3		mg/L		96	70 - 130
Iron, Dissolved	1.0		20.0	20.3		mg/L		96	70 - 130
Zinc	ND		1.00	0.943		mg/L		94	70 - 130
Zinc, Dissolved	ND		1.00	0.943		mg/L		94	70 - 130

Lab Sample ID: 240-242809-2 MSD
Matrix: Water
Analysis Batch: 12644

Client Sample ID: L602161-02 MW-4
Prep Type: Total/NA
Prep Batch: 12607

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	1.0		20.0	20.5		mg/L		98	70 - 130	1	20
Iron, Dissolved	1.0		20.0	20.5		mg/L		98	70 - 130	1	20
Zinc	ND		1.00	0.952		mg/L		95	70 - 130	1	20
Zinc, Dissolved	ND		1.00	0.952		mg/L		95	70 - 130	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 350-12634/1-A
Matrix: Water
Analysis Batch: 12675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		02/11/26 17:02	02/12/26 15:53	1
Zinc	ND		0.0070	0.00093	mg/L		02/11/26 17:02	02/12/26 15:53	1

Lab Sample ID: LCS 350-12634/2-A
Matrix: Water
Analysis Batch: 12675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12634

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	20.0	20.2		mg/L		101	85 - 115
Zinc	1.00	0.976		mg/L		98	85 - 115

Lab Sample ID: 240-242809-17 MS
Matrix: Water
Analysis Batch: 12675

Client Sample ID: L602170-02 MW-100A
Prep Type: Total/NA
Prep Batch: 12634

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	2.2		20.0	22.3		mg/L		100	70 - 130
Zinc	0.0042	J	1.00	0.978		mg/L		97	70 - 130

Lab Sample ID: 240-242809-17 MSD
Matrix: Water
Analysis Batch: 12675

Client Sample ID: L602170-02 MW-100A
Prep Type: Total/NA
Prep Batch: 12634

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	2.2		20.0	22.6		mg/L		102	70 - 130	2	20
Zinc	0.0042	J	1.00	1.02		mg/L		102	70 - 130	4	20

Lab Sample ID: 240-242809-18 MS
Matrix: Water
Analysis Batch: 12675

Client Sample ID: L602170-03 MW-100B
Prep Type: Total/NA
Prep Batch: 12634

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	2.5		20.0	22.8		mg/L		101	70 - 130
Zinc	ND		1.00	0.987		mg/L		99	70 - 130

Lab Sample ID: 240-242809-18 MSD
Matrix: Water
Analysis Batch: 12675

Client Sample ID: L602170-03 MW-100B
Prep Type: Total/NA
Prep Batch: 12634

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	2.5		20.0	21.7		mg/L		96	70 - 130	5	20
Zinc	ND		1.00	0.939		mg/L		94	70 - 130	5	20

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: MB 240-689849/1-A
Matrix: Water
Analysis Batch: 690009

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 689849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 11:28	1
Silver, Dissolved	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 11:28	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 11:28	1
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 11:28	1
Barium	ND		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 11:28	1
Barium, Dissolved	ND		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 11:28	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 11:28	1
Beryllium, Dissolved	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 11:28	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 11:28	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 11:28	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 11:28	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 11:28	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 11:28	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 11:28	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 11:28	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 11:28	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 11:28	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 11:28	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 11:28	1
Lead, Dissolved	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 11:28	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 11:28	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 11:28	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 11:28	1
Thallium, Dissolved	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 11:28	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 11:28	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 11:28	1
Calcium	ND		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 11:28	1
Calcium, Dissolved	ND		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 11:28	1
Magnesium	ND		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 11:28	1
Magnesium, Dissolved	ND		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 11:28	1
Lithium	ND		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 11:28	1
Lithium, Dissolved	ND		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 11:28	1

Lab Sample ID: LCS 240-689849/3-A
Matrix: Water
Analysis Batch: 690009

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 689849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.100	0.0954		mg/L		95	85 - 115
Silver, Dissolved	0.100	0.0954		mg/L		95	85 - 115
Arsenic	1.00	0.898		mg/L		90	85 - 115
Arsenic, Dissolved	1.00	0.898		mg/L		90	85 - 115
Barium	1.00	0.988		mg/L		99	85 - 115
Barium, Dissolved	1.00	0.988		mg/L		99	85 - 115
Beryllium	0.500	0.459		mg/L		92	85 - 115
Beryllium, Dissolved	0.500	0.459		mg/L		92	85 - 115
Cadmium	0.500	0.488		mg/L		98	85 - 115
Cadmium, Dissolved	0.500	0.488		mg/L		98	85 - 115
Cobalt	0.500	0.503		mg/L		101	85 - 115

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-689849/3-A
Matrix: Water
Analysis Batch: 690009

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 689849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt, Dissolved	0.500	0.503		mg/L		101	85 - 115
Chromium	0.500	0.478		mg/L		96	85 - 115
Chromium, Dissolved	0.500	0.478		mg/L		96	85 - 115
Copper	0.500	0.485		mg/L		97	85 - 115
Copper, Dissolved	0.500	0.485		mg/L		97	85 - 115
Nickel	0.500	0.489		mg/L		98	85 - 115
Nickel, Dissolved	0.500	0.489		mg/L		98	85 - 115
Lead	0.500	0.494		mg/L		99	85 - 115
Lead, Dissolved	0.500	0.494		mg/L		99	85 - 115
Selenium	1.00	0.937		mg/L		94	85 - 115
Selenium, Dissolved	1.00	0.937		mg/L		94	85 - 115
Thallium	1.00	1.09		mg/L		109	85 - 115
Thallium, Dissolved	1.00	1.09		mg/L		109	85 - 115
Vanadium	0.500	0.434		mg/L		87	85 - 115
Vanadium, Dissolved	0.500	0.434		mg/L		87	85 - 115
Calcium	25.0	26.0		mg/L		104	85 - 115
Calcium, Dissolved	25.0	26.0		mg/L		104	85 - 115
Magnesium	25.0	25.6		mg/L		103	85 - 115
Magnesium, Dissolved	25.0	25.6		mg/L		103	85 - 115
Lithium	0.500	0.505		mg/L		101	85 - 115
Lithium, Dissolved	0.500	0.505		mg/L		101	85 - 115

Lab Sample ID: MB 240-689860/1-A
Matrix: Water
Analysis Batch: 690009

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 689860

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/09/26 14:00	02/10/26 11:36	1
Arsenic	ND		0.0050	0.00075	mg/L		02/09/26 14:00	02/10/26 11:36	1
Barium	ND		0.0050	0.00077	mg/L		02/09/26 14:00	02/10/26 11:36	1
Beryllium	ND		0.0010	0.00027	mg/L		02/09/26 14:00	02/10/26 11:36	1
Cadmium	ND		0.0010	0.000077	mg/L		02/09/26 14:00	02/10/26 11:36	1
Cobalt	ND		0.0010	0.000086	mg/L		02/09/26 14:00	02/10/26 11:36	1
Chromium	ND		0.0050	0.0012	mg/L		02/09/26 14:00	02/10/26 11:36	1
Copper	ND		0.0020	0.0017	mg/L		02/09/26 14:00	02/10/26 11:36	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/09/26 14:00	02/10/26 11:36	1
Nickel	ND		0.0020	0.0015	mg/L		02/09/26 14:00	02/10/26 11:36	1
Lead	ND		0.0010	0.00045	mg/L		02/09/26 14:00	02/10/26 11:36	1
Antimony	ND		0.0020	0.00057	mg/L		02/09/26 14:00	02/10/26 11:36	1
Selenium	ND		0.0050	0.00089	mg/L		02/09/26 14:00	02/10/26 11:36	1
Thallium	ND		0.0010	0.00051	mg/L		02/09/26 14:00	02/10/26 11:36	1
Vanadium	ND		0.0050	0.00082	mg/L		02/09/26 14:00	02/10/26 11:36	1
Boron	ND		20	16	ug/L		02/09/26 14:00	02/10/26 11:36	1
Calcium	ND		1.0	0.25	mg/L		02/09/26 14:00	02/10/26 11:36	1
Magnesium	ND		1.0	0.061	mg/L		02/09/26 14:00	02/10/26 11:36	1
Lithium	ND		0.0080	0.0034	mg/L		02/09/26 14:00	02/10/26 11:36	1

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-689860/2-A
Matrix: Water
Analysis Batch: 690009

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 689860

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.100	0.0981		mg/L		98	85 - 115
Arsenic	1.00	0.997		mg/L		100	85 - 115
Barium	1.00	1.00		mg/L		100	85 - 115
Beryllium	0.500	0.474		mg/L		95	85 - 115
Cadmium	0.500	0.505		mg/L		101	85 - 115
Cobalt	0.500	0.504		mg/L		101	85 - 115
Chromium	0.500	0.501		mg/L		100	85 - 115
Copper	0.500	0.498		mg/L		100	85 - 115
Molybdenum	0.500	0.518		mg/L		104	85 - 115
Nickel	0.500	0.495		mg/L		99	85 - 115
Lead	0.500	0.510		mg/L		102	85 - 115
Antimony	0.100	0.103		mg/L		103	85 - 115
Selenium	1.00	1.02		mg/L		102	85 - 115
Thallium	1.00	1.03		mg/L		103	85 - 115
Vanadium	0.500	0.508		mg/L		102	85 - 115
Boron	100	100		ug/L		100	85 - 115
Calcium	25.0	26.1		mg/L		105	85 - 115
Magnesium	25.0	26.0		mg/L		104	85 - 115
Lithium	0.500	0.503		mg/L		101	85 - 115

Lab Sample ID: 240-242809-1 MS
Matrix: Water
Analysis Batch: 690009

Client Sample ID: L602161-01 MW-1
Prep Type: Total Recoverable
Prep Batch: 689860

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	ND		0.100	0.0935		mg/L		94	70 - 130
Arsenic	0.0031	J	1.00	0.982		mg/L		98	70 - 130
Barium	0.078		1.00	1.05		mg/L		97	70 - 130
Beryllium	ND		0.500	0.486		mg/L		97	70 - 130
Cadmium	ND		0.500	0.481		mg/L		96	70 - 130
Cobalt	0.0016		0.500	0.493		mg/L		98	70 - 130
Chromium	ND		0.500	0.480		mg/L		96	70 - 130
Copper	ND		0.500	0.480		mg/L		96	70 - 130
Molybdenum	0.0012	J	0.500	0.503		mg/L		100	70 - 130
Nickel	0.0015	J	0.500	0.477		mg/L		95	70 - 130
Lead	ND		0.500	0.485		mg/L		97	70 - 130
Antimony	ND		0.100	0.0974		mg/L		97	70 - 130
Selenium	ND		1.00	0.982		mg/L		98	70 - 130
Thallium	ND		1.00	0.987		mg/L		99	70 - 130
Vanadium	0.00086	J	0.500	0.490		mg/L		98	70 - 130
Calcium	160		25.0	182	4	mg/L		74	70 - 130
Magnesium	53		25.0	77.4		mg/L		98	70 - 130
Lithium	0.0057	J	0.500	0.496		mg/L		98	70 - 130

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-242809-1 MS
Matrix: Water
Analysis Batch: 690149

Client Sample ID: L602161-01 MW-1
Prep Type: Total Recoverable
Prep Batch: 689860

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	92		100	189		ug/L		97	70 - 130

Lab Sample ID: 240-242809-1 MSD
Matrix: Water
Analysis Batch: 690009

Client Sample ID: L602161-01 MW-1
Prep Type: Total Recoverable
Prep Batch: 689860

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	ND		0.100	0.0973		mg/L		97	70 - 130	4	20
Arsenic	0.0031	J	1.00	1.02		mg/L		101	70 - 130	3	20
Barium	0.078		1.00	1.09		mg/L		101	70 - 130	4	20
Beryllium	ND		0.500	0.518		mg/L		104	70 - 130	6	20
Cadmium	ND		0.500	0.500		mg/L		100	70 - 130	4	20
Cobalt	0.0016		0.500	0.511		mg/L		102	70 - 130	4	20
Chromium	ND		0.500	0.500		mg/L		100	70 - 130	4	20
Copper	ND		0.500	0.495		mg/L		99	70 - 130	3	20
Molybdenum	0.0012	J	0.500	0.523		mg/L		104	70 - 130	4	20
Nickel	0.0015	J	0.500	0.492		mg/L		98	70 - 130	3	20
Lead	ND		0.500	0.501		mg/L		100	70 - 130	3	20
Antimony	ND		0.100	0.102		mg/L		102	70 - 130	5	20
Selenium	ND		1.00	1.01		mg/L		101	70 - 130	3	20
Thallium	ND		1.00	1.02		mg/L		102	70 - 130	4	20
Vanadium	0.00086	J	0.500	0.511		mg/L		102	70 - 130	4	20
Calcium	160		25.0	195	4	mg/L		127	70 - 130	7	20
Magnesium	53		25.0	81.9		mg/L		117	70 - 130	6	20
Lithium	0.0057	J	0.500	0.522		mg/L		103	70 - 130	5	20

Lab Sample ID: 240-242809-1 MSD
Matrix: Water
Analysis Batch: 690149

Client Sample ID: L602161-01 MW-1
Prep Type: Total Recoverable
Prep Batch: 689860

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	92		100	199		ug/L		107	70 - 130	5	20

Lab Sample ID: 240-242809-2 MS
Matrix: Water
Analysis Batch: 690009

Client Sample ID: L602161-02 MW-4
Prep Type: Total Recoverable
Prep Batch: 689860

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	ND		0.100	0.0964		mg/L		96	70 - 130
Arsenic	0.0065		1.00	1.01		mg/L		100	70 - 130
Barium	0.16		1.00	1.17		mg/L		101	70 - 130
Beryllium	ND		0.500	0.514		mg/L		103	70 - 130
Cadmium	0.00012	J	0.500	0.503		mg/L		101	70 - 130
Cobalt	0.00026	J	0.500	0.508		mg/L		102	70 - 130
Chromium	ND		0.500	0.499		mg/L		100	70 - 130
Copper	ND		0.500	0.495		mg/L		99	70 - 130
Molybdenum	0.0046	J	0.500	0.522		mg/L		103	70 - 130
Nickel	ND		0.500	0.492		mg/L		98	70 - 130
Lead	ND		0.500	0.505		mg/L		101	70 - 130

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-242809-2 MS
Matrix: Water
Analysis Batch: 690009

Client Sample ID: L602161-02 MW-4
Prep Type: Total Recoverable
Prep Batch: 689860

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		0.100	0.102		mg/L		102	70 - 130
Selenium	ND		1.00	1.01		mg/L		101	70 - 130
Thallium	0.00094	J	1.00	1.03		mg/L		103	70 - 130
Vanadium	ND		0.500	0.509		mg/L		102	70 - 130
Calcium	110		25.0	133	4	mg/L		97	70 - 130
Magnesium	39		25.0	63.2		mg/L		98	70 - 130
Lithium	0.010		0.500	0.525		mg/L		103	70 - 130

Lab Sample ID: 240-242809-2 MS
Matrix: Water
Analysis Batch: 690149

Client Sample ID: L602161-02 MW-4
Prep Type: Total Recoverable
Prep Batch: 689860

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	67		100	155		ug/L		88	70 - 130

Lab Sample ID: 240-242809-2 MSD
Matrix: Water
Analysis Batch: 690009

Client Sample ID: L602161-02 MW-4
Prep Type: Total Recoverable
Prep Batch: 689860

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	ND		0.100	0.0975		mg/L		97	70 - 130	1	20
Arsenic	0.0065		1.00	0.962		mg/L		96	70 - 130	5	20
Barium	0.16		1.00	1.12		mg/L		96	70 - 130	5	20
Beryllium	ND		0.500	0.490		mg/L		98	70 - 130	5	20
Cadmium	0.00012	J	0.500	0.474		mg/L		95	70 - 130	6	20
Cobalt	0.00026	J	0.500	0.479		mg/L		96	70 - 130	6	20
Chromium	ND		0.500	0.477		mg/L		95	70 - 130	4	20
Copper	ND		0.500	0.469		mg/L		94	70 - 130	5	20
Molybdenum	0.0046	J	0.500	0.498		mg/L		99	70 - 130	5	20
Nickel	ND		0.500	0.466		mg/L		93	70 - 130	5	20
Lead	ND		0.500	0.477		mg/L		95	70 - 130	6	20
Antimony	ND		0.100	0.102		mg/L		102	70 - 130	0	20
Selenium	ND		1.00	0.957		mg/L		96	70 - 130	6	20
Thallium	0.00094	J	1.00	0.972		mg/L		97	70 - 130	6	20
Vanadium	ND		0.500	0.486		mg/L		97	70 - 130	5	20
Calcium	110		25.0	137	4	mg/L		112	70 - 130	3	20
Magnesium	39		25.0	65.2		mg/L		106	70 - 130	3	20
Lithium	0.010		0.500	0.502		mg/L		98	70 - 130	5	20

Lab Sample ID: 240-242809-2 MSD
Matrix: Water
Analysis Batch: 690149

Client Sample ID: L602161-02 MW-4
Prep Type: Total Recoverable
Prep Batch: 689860

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	67		100	156		ug/L		88	70 - 130	0	20

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-690137/1-A
Matrix: Water
Analysis Batch: 690327

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 690137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		0.0050	0.0011	mg/L		02/11/26 14:00	02/12/26 15:55	1
Molybdenum, Dissolved	ND		0.0050	0.0011	mg/L		02/11/26 14:00	02/12/26 15:55	1
Antimony	ND		0.0020	0.00057	mg/L		02/11/26 14:00	02/12/26 15:55	1
Antimony, Dissolved	ND		0.0020	0.00057	mg/L		02/11/26 14:00	02/12/26 15:55	1
Boron	ND		20	16	ug/L		02/11/26 14:00	02/12/26 15:55	1
Boron, Dissolved	ND		20	16	ug/L		02/11/26 14:00	02/12/26 15:55	1

Lab Sample ID: LCS 240-690137/2-A
Matrix: Water
Analysis Batch: 690327

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 690137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	0.500	0.503		mg/L		101	85 - 115
Molybdenum, Dissolved	0.500	0.503		mg/L		101	85 - 115
Antimony	0.100	0.100		mg/L		100	85 - 115
Antimony, Dissolved	0.100	0.100		mg/L		100	85 - 115
Boron	100	90.0		ug/L		90	85 - 115
Boron, Dissolved	100	90.0		ug/L		90	85 - 115

Lab Sample ID: 240-242809-21 MS
Matrix: Water
Analysis Batch: 690327

Client Sample ID: L602170-06 MWT-100C
Prep Type: Total Recoverable
Prep Batch: 690137

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1900		100	1920	4	ug/L		44	70 - 130

Lab Sample ID: 240-242809-21 MS
Matrix: Water
Analysis Batch: 690327

Client Sample ID: L602170-06 MWT-100C
Prep Type: Total Recoverable
Prep Batch: 690137

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	ND		0.500	0.527		mg/L		105	70 - 130
Antimony	ND		0.100	0.102		mg/L		102	70 - 130

Lab Sample ID: 240-242809-21 MSD
Matrix: Water
Analysis Batch: 690327

Client Sample ID: L602170-06 MWT-100C
Prep Type: Total Recoverable
Prep Batch: 690137

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1900		100	1930	4	ug/L		56	70 - 130	1	20

Lab Sample ID: 240-242809-21 MSD
Matrix: Water
Analysis Batch: 690327

Client Sample ID: L602170-06 MWT-100C
Prep Type: Total Recoverable
Prep Batch: 690137

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Molybdenum	ND		0.500	0.521		mg/L		104	70 - 130	1	20
Antimony	ND		0.100	0.102		mg/L		102	70 - 130	0	20

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-242809-22 MS
Matrix: Water
Analysis Batch: 690327

Client Sample ID: L602170-07 Field Blank
Prep Type: Total Recoverable
Prep Batch: 690137

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	ND		0.500	0.521		mg/L		104	70 - 130
Molybdenum, Dissolved	ND		0.500	0.521		mg/L		104	70 - 130
Antimony	ND		0.100	0.102		mg/L		102	70 - 130
Antimony, Dissolved	ND		0.100	0.102		mg/L		102	70 - 130
Boron	ND	F1	100	95.7	F1	ug/L		31	70 - 130
Boron, Dissolved	ND	F1	100	95.7	F1	ug/L		31	70 - 130

Lab Sample ID: 240-242809-22 MSD
Matrix: Water
Analysis Batch: 690327

Client Sample ID: L602170-07 Field Blank
Prep Type: Total Recoverable
Prep Batch: 690137

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Molybdenum	ND		0.500	0.526		mg/L		105	70 - 130	1	20
Molybdenum, Dissolved	ND		0.500	0.526		mg/L		105	70 - 130	1	20
Antimony	ND		0.100	0.102		mg/L		102	70 - 130	1	20
Antimony, Dissolved	ND		0.100	0.102		mg/L		102	70 - 130	1	20
Boron	ND	F1	100	98.5	F1	ug/L		33	70 - 130	3	20
Boron, Dissolved	ND	F1	100	98.5	F1	ug/L		33	70 - 130	3	20

Method: 245.1-1994 R3.0 - Mercury (CVAA)

Lab Sample ID: MB 240-689851/1-A
Matrix: Water
Analysis Batch: 690022

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 10:32	1
Mercury, Dissolved	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 10:32	1

Lab Sample ID: LCS 240-689851/2-A
Matrix: Water
Analysis Batch: 690022

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00513		mg/L		103	85 - 115
Mercury, Dissolved	0.00500	0.00513		mg/L		103	85 - 115

Lab Sample ID: MB 240-689866/1-A
Matrix: Water
Analysis Batch: 690022

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/09/26 14:00	02/10/26 13:03	1

Lab Sample ID: LCS 240-689866/2-A
Matrix: Water
Analysis Batch: 690022

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00532		mg/L		106	85 - 115

Method: 245.1-1994 R3.0 - Mercury (CVAA)

Lab Sample ID: 240-242809-1 MS
Matrix: Water
Analysis Batch: 690022

Client Sample ID: L602161-01 MW-1
Prep Type: Total/NA
Prep Batch: 689866

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.00106		mg/L		106	70 - 130

Lab Sample ID: 240-242809-1 MSD
Matrix: Water
Analysis Batch: 690022

Client Sample ID: L602161-01 MW-1
Prep Type: Total/NA
Prep Batch: 689866

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.000981		mg/L		98	70 - 130	8	20

Lab Sample ID: 240-242809-2 MS
Matrix: Water
Analysis Batch: 690022

Client Sample ID: L602161-02 MW-4
Prep Type: Total/NA
Prep Batch: 689866

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.00110		mg/L		110	70 - 130

Lab Sample ID: 240-242809-2 MSD
Matrix: Water
Analysis Batch: 690022

Client Sample ID: L602161-02 MW-4
Prep Type: Total/NA
Prep Batch: 689866

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00107		mg/L		107	70 - 130	3	20

Method: 2320 B-2021 - Alkalinity

Lab Sample ID: MB 240-689923/19
Matrix: Water
Analysis Batch: 689923

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/09/26 18:50	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/09/26 18:50	1

Lab Sample ID: MB 240-689923/33
Matrix: Water
Analysis Batch: 689923

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/09/26 20:33	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/09/26 20:33	1

Lab Sample ID: MB 240-689923/48
Matrix: Water
Analysis Batch: 689923

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	2.74	J	5.0	2.6	mg/L			02/09/26 22:23	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/09/26 22:23	1

Method: 2320 B-2021 - Alkalinity (Continued)

Lab Sample ID: MB 240-689923/5
Matrix: Water
Analysis Batch: 689923

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/09/26 17:22	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/09/26 17:22	1

Lab Sample ID: 240-242809-13 DU
Matrix: Water
Analysis Batch: 689923

Client Sample ID: L602161-11 MWT-18A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity as CaCO3	140	B	139		mg/L		1	20
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	20

Method: 2540 C-2020 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-689949/1
Matrix: Water
Analysis Batch: 689949

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			02/10/26 09:34	1

Lab Sample ID: LCS 240-689949/2
Matrix: Water
Analysis Batch: 689949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	189	186		mg/L		98	80 - 120

Lab Sample ID: MB 240-690007/1
Matrix: Water
Analysis Batch: 690007

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			02/10/26 12:32	1

Lab Sample ID: LCS 240-690007/2
Matrix: Water
Analysis Batch: 690007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	189	175		mg/L		93	80 - 120

Lab Sample ID: 240-242809-4 DU
Matrix: Water
Analysis Batch: 690007

Client Sample ID: L602161-04 MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	560		565		mg/L		0.7	20

Method: 2540 C-2020 - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 240-690093/1
Matrix: Water
Analysis Batch: 690093

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			02/11/26 10:03	1

Lab Sample ID: LCS 240-690093/2
Matrix: Water
Analysis Batch: 690093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	495	476		mg/L		96	80 - 120

Lab Sample ID: 240-242809-12 DU
Matrix: Water
Analysis Batch: 690093

Client Sample ID: L602169-02 MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	400		391		mg/L		1	20

Method: 2540D-2020 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-689964/1
Matrix: Water
Analysis Batch: 689964

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			02/10/26 10:08	1

Lab Sample ID: LCS 240-689964/2
Matrix: Water
Analysis Batch: 689964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	57.1	53.0		mg/L		93	64 - 120

Lab Sample ID: MB 240-689980/1
Matrix: Water
Analysis Batch: 689980

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			02/10/26 11:00	1

Lab Sample ID: LCS 240-689980/2
Matrix: Water
Analysis Batch: 689980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	57.1	47.0		mg/L		82	64 - 120

Method: 2540D-2020 - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: MB 240-690122/1
Matrix: Water
Analysis Batch: 690122

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			02/11/26 11:16	1

Lab Sample ID: LCS 240-690122/2
Matrix: Water
Analysis Batch: 690122

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	500	486		mg/L		97	64 - 120

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 240-689891/3
Matrix: Water
Analysis Batch: 689891

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.13	mg/L			02/09/26 19:07	1
Fluoride	ND		0.050	0.024	mg/L			02/09/26 19:07	1
Sulfate	ND		1.0	0.35	mg/L			02/09/26 19:07	1

Lab Sample ID: LCS 240-689891/4
Matrix: Water
Analysis Batch: 689891

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	51.8		mg/L		104	90 - 110
Fluoride	2.50	2.61		mg/L		105	90 - 110
Sulfate	50.0	52.9		mg/L		106	90 - 110

Lab Sample ID: 240-242809-5 MS
Matrix: Water
Analysis Batch: 689891

Client Sample ID: L602161-05 MW-11B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.96	J	50.0	53.1		mg/L		104	80 - 120
Fluoride	0.40		2.50	2.90		mg/L		100	80 - 120
Sulfate	3.1		50.0	56.3		mg/L		106	80 - 120

Lab Sample ID: 240-242809-5 MSD
Matrix: Water
Analysis Batch: 689891

Client Sample ID: L602161-05 MW-11B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	0.96	J	50.0	53.2		mg/L		104	80 - 120	0	15
Fluoride	0.40		2.50	2.92		mg/L		101	80 - 120	1	15
Sulfate	3.1		50.0	56.4		mg/L		107	80 - 120	0	15

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 240-689893/3
Matrix: Water
Analysis Batch: 689893

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.13	mg/L			02/10/26 01:00	1
Fluoride	ND		0.050	0.024	mg/L			02/10/26 01:00	1
Sulfate	ND		1.0	0.35	mg/L			02/10/26 01:00	1

Lab Sample ID: LCS 240-689893/4
Matrix: Water
Analysis Batch: 689893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	51.9		mg/L		104	90 - 110		
Fluoride			2.50	2.62		mg/L		105	90 - 110		
Sulfate			50.0	53.2		mg/L		106	90 - 110		

Lab Sample ID: 240-242809-17 MS
Matrix: Water
Analysis Batch: 689893

Client Sample ID: L602170-02 MW-100A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	11		50.0	63.2		mg/L		104	80 - 120		
Fluoride	0.57		2.50	3.05		mg/L		99	80 - 120		
Sulfate	27		50.0	77.8		mg/L		101	80 - 120		

Lab Sample ID: 240-242809-17 MSD
Matrix: Water
Analysis Batch: 689893

Client Sample ID: L602170-02 MW-100A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11		50.0	63.4		mg/L		104	80 - 120	0	15
Fluoride	0.57		2.50	3.05		mg/L		99	80 - 120	0	15
Sulfate	27		50.0	78.0		mg/L		102	80 - 120	0	15

Metals

Prep Batch: 12607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total/NA	Water	200.8	
240-242809-2	L602161-02 MW-4	Total/NA	Water	200.8	
240-242809-3	L602161-03 MW-10	Total/NA	Water	200.8	
240-242809-4	L602161-04 MW-11	Total/NA	Water	200.8	
240-242809-5	L602161-05 MW-11B	Dissolved	Water	200.7	
240-242809-5	L602161-05 MW-11B	Total/NA	Water	200.8	
240-242809-6	L602161-06 MW-13	Total/NA	Water	200.8	
240-242809-7	L602161-07 MW-18A	Total/NA	Water	200.8	
240-242809-8	L602161-08 MW-18B	Total/NA	Water	200.8	
240-242809-9	L602161-09 MW-18C	Total/NA	Water	200.8	
240-242809-10	L602169-01 MW-7B	Total/NA	Water	200.8	
240-242809-11	L602161-10 MW-18D	Total/NA	Water	200.8	
240-242809-12	L602169-02 MW-8	Total/NA	Water	200.8	
240-242809-13	L602161-11 MWT-18A	Total/NA	Water	200.8	
240-242809-14	L602169-03 MW-9	Total/NA	Water	200.8	
240-242809-15	L602161-12 Field Blank	Total/NA	Water	200.8	
240-242809-16	L602170-01 MW-15	Total/NA	Water	200.8	
MB 350-12607/1-A	Method Blank	Total/NA	Water	200.8	
LCS 350-12607/2-A	Lab Control Sample	Total/NA	Water	200.8	
240-242809-1 MS	L602161-01 MW-1	Total/NA	Water	200.8	
240-242809-1 MSD	L602161-01 MW-1	Total/NA	Water	200.8	
240-242809-2 MS	L602161-02 MW-4	Total/NA	Water	200.8	
240-242809-2 MSD	L602161-02 MW-4	Total/NA	Water	200.8	

Prep Batch: 12634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-17	L602170-02 MW-100A	Total/NA	Water	200.8	
240-242809-18	L602170-03 MW-100B	Total/NA	Water	200.8	
240-242809-19	L602170-04 MW-100C	Total/NA	Water	200.8	
240-242809-20	L602170-05 MW-100D	Total/NA	Water	200.8	
240-242809-21	L602170-06 MWT-100C	Total/NA	Water	200.8	
240-242809-22	L602170-07 Field Blank	Total/NA	Water	200.8	
MB 350-12634/1-A	Method Blank	Total/NA	Water	200.8	
LCS 350-12634/2-A	Lab Control Sample	Total/NA	Water	200.8	
240-242809-17 MS	L602170-02 MW-100A	Total/NA	Water	200.8	
240-242809-17 MSD	L602170-02 MW-100A	Total/NA	Water	200.8	
240-242809-18 MS	L602170-03 MW-100B	Total/NA	Water	200.8	
240-242809-18 MSD	L602170-03 MW-100B	Total/NA	Water	200.8	

Analysis Batch: 12644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total/NA	Water	200.8	12607
240-242809-2	L602161-02 MW-4	Total/NA	Water	200.8	12607
240-242809-3	L602161-03 MW-10	Total/NA	Water	200.8	12607
240-242809-4	L602161-04 MW-11	Total/NA	Water	200.8	12607
240-242809-4	L602161-04 MW-11	Total/NA	Water	200.8	12607
240-242809-5	L602161-05 MW-11B	Dissolved	Water	200.8	12607
240-242809-5	L602161-05 MW-11B	Total/NA	Water	200.8	12607
240-242809-6	L602161-06 MW-13	Total/NA	Water	200.8	12607
240-242809-7	L602161-07 MW-18A	Total/NA	Water	200.8	12607
240-242809-8	L602161-08 MW-18B	Total/NA	Water	200.8	12607

Metals (Continued)

Analysis Batch: 12644 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-9	L602161-09 MW-18C	Total/NA	Water	200.8	12607
240-242809-10	L602169-01 MW-7B	Total/NA	Water	200.8	12607
240-242809-11	L602161-10 MW-18D	Total/NA	Water	200.8	12607
240-242809-12	L602169-02 MW-8	Total/NA	Water	200.8	12607
240-242809-13	L602161-11 MWT-18A	Total/NA	Water	200.8	12607
240-242809-14	L602169-03 MW-9	Total/NA	Water	200.8	12607
240-242809-15	L602161-12 Field Blank	Total/NA	Water	200.8	12607
240-242809-16	L602170-01 MW-15	Total/NA	Water	200.8	12607
MB 350-12607/1-A	Method Blank	Total/NA	Water	200.8	12607
LCS 350-12607/2-A	Lab Control Sample	Total/NA	Water	200.8	12607
240-242809-1 MS	L602161-01 MW-1	Total/NA	Water	200.8	12607
240-242809-1 MSD	L602161-01 MW-1	Total/NA	Water	200.8	12607
240-242809-2 MS	L602161-02 MW-4	Total/NA	Water	200.8	12607
240-242809-2 MSD	L602161-02 MW-4	Total/NA	Water	200.8	12607

Analysis Batch: 12675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-17	L602170-02 MW-100A	Total/NA	Water	200.8	12634
240-242809-18	L602170-03 MW-100B	Total/NA	Water	200.8	12634
240-242809-19	L602170-04 MW-100C	Total/NA	Water	200.8	12634
240-242809-20	L602170-05 MW-100D	Total/NA	Water	200.8	12634
240-242809-20	L602170-05 MW-100D	Total/NA	Water	200.8	12634
240-242809-21	L602170-06 MWT-100C	Total/NA	Water	200.8	12634
240-242809-22	L602170-07 Field Blank	Total/NA	Water	200.8	12634
MB 350-12634/1-A	Method Blank	Total/NA	Water	200.8	12634
LCS 350-12634/2-A	Lab Control Sample	Total/NA	Water	200.8	12634
240-242809-17 MS	L602170-02 MW-100A	Total/NA	Water	200.8	12634
240-242809-17 MSD	L602170-02 MW-100A	Total/NA	Water	200.8	12634
240-242809-18 MS	L602170-03 MW-100B	Total/NA	Water	200.8	12634
240-242809-18 MSD	L602170-03 MW-100B	Total/NA	Water	200.8	12634

Analysis Batch: 12726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-17	L602170-02 MW-100A	Total/NA	Water	200.7 Rev 4.4	12634
240-242809-18	L602170-03 MW-100B	Total/NA	Water	200.7 Rev 4.4	12634
240-242809-19	L602170-04 MW-100C	Total/NA	Water	200.7 Rev 4.4	12634
240-242809-20	L602170-05 MW-100D	Total/NA	Water	200.7 Rev 4.4	12634
240-242809-21	L602170-06 MWT-100C	Total/NA	Water	200.7 Rev 4.4	12634
240-242809-22	L602170-07 Field Blank	Total/NA	Water	200.7 Rev 4.4	12634
MB 350-12634/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	12634
LCS 350-12634/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	12634
240-242809-17 MS	L602170-02 MW-100A	Total/NA	Water	200.7 Rev 4.4	12634
240-242809-17 MSD	L602170-02 MW-100A	Total/NA	Water	200.7 Rev 4.4	12634
240-242809-18 MS	L602170-03 MW-100B	Total/NA	Water	200.7 Rev 4.4	12634
240-242809-18 MSD	L602170-03 MW-100B	Total/NA	Water	200.7 Rev 4.4	12634

Analysis Batch: 12798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-2	L602161-02 MW-4	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-3	L602161-03 MW-10	Total/NA	Water	200.7 Rev 4.4	12607

Metals (Continued)

Analysis Batch: 12798 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-4	L602161-04 MW-11	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-5	L602161-05 MW-11B	Dissolved	Water	200.7 Rev 4.4	12607
240-242809-5	L602161-05 MW-11B	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-6	L602161-06 MW-13	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-7	L602161-07 MW-18A	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-8	L602161-08 MW-18B	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-9	L602161-09 MW-18C	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-10	L602169-01 MW-7B	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-11	L602161-10 MW-18D	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-12	L602169-02 MW-8	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-13	L602161-11 MWT-18A	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-14	L602169-03 MW-9	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-15	L602161-12 Field Blank	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-16	L602170-01 MW-15	Total/NA	Water	200.7 Rev 4.4	12607
MB 350-12607/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	12607
LCS 350-12607/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-1 MS	L602161-01 MW-1	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-1 MSD	L602161-01 MW-1	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-2 MS	L602161-02 MW-4	Total/NA	Water	200.7 Rev 4.4	12607
240-242809-2 MSD	L602161-02 MW-4	Total/NA	Water	200.7 Rev 4.4	12607

Prep Batch: 689849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-5	L602161-05 MW-11B	Dissolved	Water	200.8-1994 R5.4	
240-242809-21	L602170-06 MWT-100C	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-22	L602170-07 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	
MB 240-689849/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-689849/3-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	

Prep Batch: 689851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-5	L602161-05 MW-11B	Dissolved	Water	245.1-1994 R3.0	
240-242809-21	L602170-06 MWT-100C	Total/NA	Water	245.1-1994 R3.0	
240-242809-22	L602170-07 Field Blank	Total/NA	Water	245.1-1994 R3.0	
MB 240-689851/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	
LCS 240-689851/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	

Prep Batch: 689860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-2	L602161-02 MW-4	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-3	L602161-03 MW-10	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-4	L602161-04 MW-11	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-5	L602161-05 MW-11B	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-6	L602161-06 MW-13	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-7	L602161-07 MW-18A	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-8	L602161-08 MW-18B	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-9	L602161-09 MW-18C	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-10	L602169-01 MW-7B	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-11	L602161-10 MW-18D	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-12	L602169-02 MW-8	Total Recoverable	Water	200.8-1994 R5.4	

Metals (Continued)

Prep Batch: 689860 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-13	L602161-11 MWT-18A	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-14	L602169-03 MW-9	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-15	L602161-12 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-16	L602170-01 MW-15	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-17	L602170-02 MW-100A	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-18	L602170-03 MW-100B	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-19	L602170-04 MW-100C	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-20	L602170-05 MW-100D	Total Recoverable	Water	200.8-1994 R5.4	
MB 240-689860/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-689860/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-1 MS	L602161-01 MW-1	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-1 MSD	L602161-01 MW-1	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-2 MS	L602161-02 MW-4	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-2 MSD	L602161-02 MW-4	Total Recoverable	Water	200.8-1994 R5.4	

Prep Batch: 689866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total/NA	Water	245.1-1994 R3.0	
240-242809-2	L602161-02 MW-4	Total/NA	Water	245.1-1994 R3.0	
240-242809-3	L602161-03 MW-10	Total/NA	Water	245.1-1994 R3.0	
240-242809-4	L602161-04 MW-11	Total/NA	Water	245.1-1994 R3.0	
240-242809-5	L602161-05 MW-11B	Total/NA	Water	245.1-1994 R3.0	
240-242809-6	L602161-06 MW-13	Total/NA	Water	245.1-1994 R3.0	
240-242809-7	L602161-07 MW-18A	Total/NA	Water	245.1-1994 R3.0	
240-242809-8	L602161-08 MW-18B	Total/NA	Water	245.1-1994 R3.0	
240-242809-9	L602161-09 MW-18C	Total/NA	Water	245.1-1994 R3.0	
240-242809-10	L602169-01 MW-7B	Total/NA	Water	245.1-1994 R3.0	
240-242809-11	L602161-10 MW-18D	Total/NA	Water	245.1-1994 R3.0	
240-242809-12	L602169-02 MW-8	Total/NA	Water	245.1-1994 R3.0	
240-242809-13	L602161-11 MWT-18A	Total/NA	Water	245.1-1994 R3.0	
240-242809-14	L602169-03 MW-9	Total/NA	Water	245.1-1994 R3.0	
240-242809-15	L602161-12 Field Blank	Total/NA	Water	245.1-1994 R3.0	
240-242809-16	L602170-01 MW-15	Total/NA	Water	245.1-1994 R3.0	
240-242809-17	L602170-02 MW-100A	Total/NA	Water	245.1-1994 R3.0	
240-242809-18	L602170-03 MW-100B	Total/NA	Water	245.1-1994 R3.0	
240-242809-19	L602170-04 MW-100C	Total/NA	Water	245.1-1994 R3.0	
240-242809-20	L602170-05 MW-100D	Total/NA	Water	245.1-1994 R3.0	
MB 240-689866/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	
LCS 240-689866/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	
240-242809-1 MS	L602161-01 MW-1	Total/NA	Water	245.1-1994 R3.0	
240-242809-1 MSD	L602161-01 MW-1	Total/NA	Water	245.1-1994 R3.0	
240-242809-2 MS	L602161-02 MW-4	Total/NA	Water	245.1-1994 R3.0	
240-242809-2 MSD	L602161-02 MW-4	Total/NA	Water	245.1-1994 R3.0	

Analysis Batch: 690009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-2	L602161-02 MW-4	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-3	L602161-03 MW-10	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-4	L602161-04 MW-11	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-5	L602161-05 MW-11B	Dissolved	Water	200.8-1994 R5.4	689849

Metals (Continued)

Analysis Batch: 690009 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-5	L602161-05 MW-11B	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-6	L602161-06 MW-13	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-7	L602161-07 MW-18A	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-8	L602161-08 MW-18B	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-9	L602161-09 MW-18C	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-10	L602169-01 MW-7B	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-11	L602161-10 MW-18D	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-12	L602169-02 MW-8	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-13	L602161-11 MWT-18A	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-14	L602169-03 MW-9	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-15	L602161-12 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-16	L602170-01 MW-15	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-17	L602170-02 MW-100A	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-18	L602170-03 MW-100B	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-19	L602170-04 MW-100C	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-20	L602170-05 MW-100D	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-21	L602170-06 MWT-100C	Total Recoverable	Water	200.8-1994 R5.4	689849
240-242809-22	L602170-07 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	689849
MB 240-689849/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	689849
MB 240-689860/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	689860
LCS 240-689849/3-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	689849
LCS 240-689860/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-1 MS	L602161-01 MW-1	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-1 MSD	L602161-01 MW-1	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-2 MS	L602161-02 MW-4	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-2 MSD	L602161-02 MW-4	Total Recoverable	Water	200.8-1994 R5.4	689860

Analysis Batch: 690022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-2	L602161-02 MW-4	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-3	L602161-03 MW-10	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-4	L602161-04 MW-11	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-5	L602161-05 MW-11B	Dissolved	Water	245.1-1994 R3.0	689851
240-242809-5	L602161-05 MW-11B	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-6	L602161-06 MW-13	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-7	L602161-07 MW-18A	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-8	L602161-08 MW-18B	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-9	L602161-09 MW-18C	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-10	L602169-01 MW-7B	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-11	L602161-10 MW-18D	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-12	L602169-02 MW-8	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-13	L602161-11 MWT-18A	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-14	L602169-03 MW-9	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-15	L602161-12 Field Blank	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-16	L602170-01 MW-15	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-17	L602170-02 MW-100A	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-18	L602170-03 MW-100B	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-19	L602170-04 MW-100C	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-20	L602170-05 MW-100D	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-21	L602170-06 MWT-100C	Total/NA	Water	245.1-1994 R3.0	689851

Metals (Continued)

Analysis Batch: 690022 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-22	L602170-07 Field Blank	Total/NA	Water	245.1-1994 R3.0	689851
MB 240-689851/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	689851
MB 240-689866/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	689866
LCS 240-689851/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	689851
LCS 240-689866/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-1 MS	L602161-01 MW-1	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-1 MSD	L602161-01 MW-1	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-2 MS	L602161-02 MW-4	Total/NA	Water	245.1-1994 R3.0	689866
240-242809-2 MSD	L602161-02 MW-4	Total/NA	Water	245.1-1994 R3.0	689866

Prep Batch: 690137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-5	L602161-05 MW-11B	Dissolved	Water	200.8-1994 R5.4	
240-242809-21	L602170-06 MWT-100C	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-22	L602170-07 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	
MB 240-690137/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-690137/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-21 MS	L602170-06 MWT-100C	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-21 MSD	L602170-06 MWT-100C	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-22 MS	L602170-07 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	
240-242809-22 MSD	L602170-07 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	

Analysis Batch: 690149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-2	L602161-02 MW-4	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-3	L602161-03 MW-10	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-4	L602161-04 MW-11	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-5	L602161-05 MW-11B	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-6	L602161-06 MW-13	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-7	L602161-07 MW-18A	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-8	L602161-08 MW-18B	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-9	L602161-09 MW-18C	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-10	L602169-01 MW-7B	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-11	L602161-10 MW-18D	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-12	L602169-02 MW-8	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-13	L602161-11 MWT-18A	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-14	L602169-03 MW-9	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-15	L602161-12 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-16	L602170-01 MW-15	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-17	L602170-02 MW-100A	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-18	L602170-03 MW-100B	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-19	L602170-04 MW-100C	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-20	L602170-05 MW-100D	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-1 MS	L602161-01 MW-1	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-1 MSD	L602161-01 MW-1	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-2 MS	L602161-02 MW-4	Total Recoverable	Water	200.8-1994 R5.4	689860
240-242809-2 MSD	L602161-02 MW-4	Total Recoverable	Water	200.8-1994 R5.4	689860

Metals

Analysis Batch: 690327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-5	L602161-05 MW-11B	Dissolved	Water	200.8-1994 R5.4	690137
240-242809-5	L602161-05 MW-11B	Dissolved	Water	200.8-1994 R5.4	690137
240-242809-21	L602170-06 MWT-100C	Total Recoverable	Water	200.8-1994 R5.4	690137
240-242809-21	L602170-06 MWT-100C	Total Recoverable	Water	200.8-1994 R5.4	690137
240-242809-22	L602170-07 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	690137
MB 240-690137/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	690137
LCS 240-690137/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	690137
240-242809-21 MS	L602170-06 MWT-100C	Total Recoverable	Water	200.8-1994 R5.4	690137
240-242809-21 MS	L602170-06 MWT-100C	Total Recoverable	Water	200.8-1994 R5.4	690137
240-242809-21 MSD	L602170-06 MWT-100C	Total Recoverable	Water	200.8-1994 R5.4	690137
240-242809-21 MSD	L602170-06 MWT-100C	Total Recoverable	Water	200.8-1994 R5.4	690137
240-242809-22 MS	L602170-07 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	690137
240-242809-22 MSD	L602170-07 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	690137

General Chemistry

Analysis Batch: 689891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total/NA	Water	300.0-1993 R2.1	
240-242809-2	L602161-02 MW-4	Total/NA	Water	300.0-1993 R2.1	
240-242809-3	L602161-03 MW-10	Total/NA	Water	300.0-1993 R2.1	
240-242809-5	L602161-05 MW-11B	Total/NA	Water	300.0-1993 R2.1	
240-242809-6	L602161-06 MW-13	Total/NA	Water	300.0-1993 R2.1	
240-242809-7	L602161-07 MW-18A	Total/NA	Water	300.0-1993 R2.1	
240-242809-8	L602161-08 MW-18B	Total/NA	Water	300.0-1993 R2.1	
240-242809-8	L602161-08 MW-18B	Total/NA	Water	300.0-1993 R2.1	
240-242809-9	L602161-09 MW-18C	Total/NA	Water	300.0-1993 R2.1	
240-242809-9	L602161-09 MW-18C	Total/NA	Water	300.0-1993 R2.1	
240-242809-10	L602169-01 MW-7B	Total/NA	Water	300.0-1993 R2.1	
240-242809-11	L602161-10 MW-18D	Total/NA	Water	300.0-1993 R2.1	
240-242809-12	L602169-02 MW-8	Total/NA	Water	300.0-1993 R2.1	
240-242809-13	L602161-11 MWT-18A	Total/NA	Water	300.0-1993 R2.1	
240-242809-14	L602169-03 MW-9	Total/NA	Water	300.0-1993 R2.1	
MB 240-689891/3	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 240-689891/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
240-242809-5 MS	L602161-05 MW-11B	Total/NA	Water	300.0-1993 R2.1	
240-242809-5 MSD	L602161-05 MW-11B	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 689893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-4	L602161-04 MW-11	Total/NA	Water	300.0-1993 R2.1	
240-242809-15	L602161-12 Field Blank	Total/NA	Water	300.0-1993 R2.1	
240-242809-16	L602170-01 MW-15	Total/NA	Water	300.0-1993 R2.1	
240-242809-17	L602170-02 MW-100A	Total/NA	Water	300.0-1993 R2.1	
240-242809-18	L602170-03 MW-100B	Total/NA	Water	300.0-1993 R2.1	
240-242809-19	L602170-04 MW-100C	Total/NA	Water	300.0-1993 R2.1	
240-242809-20	L602170-05 MW-100D	Total/NA	Water	300.0-1993 R2.1	
240-242809-21	L602170-06 MWT-100C	Total/NA	Water	300.0-1993 R2.1	
240-242809-22	L602170-07 Field Blank	Total/NA	Water	300.0-1993 R2.1	
MB 240-689893/3	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 240-689893/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	

General Chemistry (Continued)

Analysis Batch: 689893 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-17 MS	L602170-02 MW-100A	Total/NA	Water	300.0-1993 R2.1	
240-242809-17 MSD	L602170-02 MW-100A	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 689923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total/NA	Water	2320 B-2021	
240-242809-2	L602161-02 MW-4	Total/NA	Water	2320 B-2021	
240-242809-3	L602161-03 MW-10	Total/NA	Water	2320 B-2021	
240-242809-4	L602161-04 MW-11	Total/NA	Water	2320 B-2021	
240-242809-5	L602161-05 MW-11B	Total/NA	Water	2320 B-2021	
240-242809-6	L602161-06 MW-13	Total/NA	Water	2320 B-2021	
240-242809-7	L602161-07 MW-18A	Total/NA	Water	2320 B-2021	
240-242809-8	L602161-08 MW-18B	Total/NA	Water	2320 B-2021	
240-242809-9	L602161-09 MW-18C	Total/NA	Water	2320 B-2021	
240-242809-10	L602169-01 MW-7B	Total/NA	Water	2320 B-2021	
240-242809-11	L602161-10 MW-18D	Total/NA	Water	2320 B-2021	
240-242809-12	L602169-02 MW-8	Total/NA	Water	2320 B-2021	
240-242809-13	L602161-11 MWT-18A	Total/NA	Water	2320 B-2021	
240-242809-14	L602169-03 MW-9	Total/NA	Water	2320 B-2021	
240-242809-15	L602161-12 Field Blank	Total/NA	Water	2320 B-2021	
240-242809-16	L602170-01 MW-15	Total/NA	Water	2320 B-2021	
240-242809-17	L602170-02 MW-100A	Total/NA	Water	2320 B-2021	
240-242809-18	L602170-03 MW-100B	Total/NA	Water	2320 B-2021	
240-242809-19	L602170-04 MW-100C	Total/NA	Water	2320 B-2021	
240-242809-20	L602170-05 MW-100D	Total/NA	Water	2320 B-2021	
240-242809-21	L602170-06 MWT-100C	Total/NA	Water	2320 B-2021	
240-242809-22	L602170-07 Field Blank	Total/NA	Water	2320 B-2021	
MB 240-689923/19	Method Blank	Total/NA	Water	2320 B-2021	
MB 240-689923/33	Method Blank	Total/NA	Water	2320 B-2021	
MB 240-689923/48	Method Blank	Total/NA	Water	2320 B-2021	
MB 240-689923/5	Method Blank	Total/NA	Water	2320 B-2021	
240-242809-13 DU	L602161-11 MWT-18A	Total/NA	Water	2320 B-2021	

Analysis Batch: 689949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total/NA	Water	2540 C-2020	
240-242809-2	L602161-02 MW-4	Total/NA	Water	2540 C-2020	
240-242809-3	L602161-03 MW-10	Total/NA	Water	2540 C-2020	
MB 240-689949/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-689949/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 689964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total/NA	Water	2540D-2020	
240-242809-2	L602161-02 MW-4	Total/NA	Water	2540D-2020	
240-242809-3	L602161-03 MW-10	Total/NA	Water	2540D-2020	
240-242809-4	L602161-04 MW-11	Total/NA	Water	2540D-2020	
240-242809-5	L602161-05 MW-11B	Total/NA	Water	2540D-2020	
240-242809-6	L602161-06 MW-13	Total/NA	Water	2540D-2020	
MB 240-689964/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-689964/2	Lab Control Sample	Total/NA	Water	2540D-2020	

General Chemistry

Analysis Batch: 689980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-7	L602161-07 MW-18A	Total/NA	Water	2540D-2020	
240-242809-8	L602161-08 MW-18B	Total/NA	Water	2540D-2020	
240-242809-9	L602161-09 MW-18C	Total/NA	Water	2540D-2020	
240-242809-11	L602161-10 MW-18D	Total/NA	Water	2540D-2020	
240-242809-13	L602161-11 MWT-18A	Total/NA	Water	2540D-2020	
240-242809-15	L602161-12 Field Blank	Total/NA	Water	2540D-2020	
MB 240-689980/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-689980/2	Lab Control Sample	Total/NA	Water	2540D-2020	

Analysis Batch: 690007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-4	L602161-04 MW-11	Total/NA	Water	2540 C-2020	
240-242809-5	L602161-05 MW-11B	Total/NA	Water	2540 C-2020	
240-242809-6	L602161-06 MW-13	Total/NA	Water	2540 C-2020	
240-242809-7	L602161-07 MW-18A	Total/NA	Water	2540 C-2020	
240-242809-8	L602161-08 MW-18B	Total/NA	Water	2540 C-2020	
240-242809-9	L602161-09 MW-18C	Total/NA	Water	2540 C-2020	
240-242809-11	L602161-10 MW-18D	Total/NA	Water	2540 C-2020	
240-242809-13	L602161-11 MWT-18A	Total/NA	Water	2540 C-2020	
240-242809-15	L602161-12 Field Blank	Total/NA	Water	2540 C-2020	
MB 240-690007/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-690007/2	Lab Control Sample	Total/NA	Water	2540 C-2020	
240-242809-4 DU	L602161-04 MW-11	Total/NA	Water	2540 C-2020	

Analysis Batch: 690093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-10	L602169-01 MW-7B	Total/NA	Water	2540 C-2020	
240-242809-12	L602169-02 MW-8	Total/NA	Water	2540 C-2020	
240-242809-14	L602169-03 MW-9	Total/NA	Water	2540 C-2020	
240-242809-16	L602170-01 MW-15	Total/NA	Water	2540 C-2020	
240-242809-17	L602170-02 MW-100A	Total/NA	Water	2540 C-2020	
240-242809-18	L602170-03 MW-100B	Total/NA	Water	2540 C-2020	
240-242809-19	L602170-04 MW-100C	Total/NA	Water	2540 C-2020	
240-242809-20	L602170-05 MW-100D	Total/NA	Water	2540 C-2020	
240-242809-21	L602170-06 MWT-100C	Total/NA	Water	2540 C-2020	
240-242809-22	L602170-07 Field Blank	Total/NA	Water	2540 C-2020	
MB 240-690093/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-690093/2	Lab Control Sample	Total/NA	Water	2540 C-2020	
240-242809-12 DU	L602169-02 MW-8	Total/NA	Water	2540 C-2020	

Analysis Batch: 690122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-10	L602169-01 MW-7B	Total/NA	Water	2540D-2020	
240-242809-12	L602169-02 MW-8	Total/NA	Water	2540D-2020	
240-242809-14	L602169-03 MW-9	Total/NA	Water	2540D-2020	
240-242809-16	L602170-01 MW-15	Total/NA	Water	2540D-2020	
240-242809-17	L602170-02 MW-100A	Total/NA	Water	2540D-2020	
240-242809-18	L602170-03 MW-100B	Total/NA	Water	2540D-2020	
240-242809-19	L602170-04 MW-100C	Total/NA	Water	2540D-2020	
240-242809-20	L602170-05 MW-100D	Total/NA	Water	2540D-2020	
240-242809-21	L602170-06 MWT-100C	Total/NA	Water	2540D-2020	

General Chemistry (Continued)

Analysis Batch: 690122 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-22	L602170-07 Field Blank	Total/NA	Water	2540D-2020	
MB 240-690122/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-690122/2	Lab Control Sample	Total/NA	Water	2540D-2020	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602161-01 MW-1

Lab Sample ID: 240-242809-1

Date Collected: 02/04/26 15:00
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 16:24
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 21:10
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:09
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690149	S4FJ	EET CLE	02/11/26 14:50
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:07
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 19:56
Total/NA	Analysis	2540 C-2020		1	689949	AAP	EET CLE	02/10/26 09:34
Total/NA	Analysis	2540D-2020		1	689964	AAP	EET CLE	02/10/26 10:08
Total/NA	Analysis	300.0-1993 R2.1		1	689891	JMR	EET CLE	02/09/26 19:53

Client Sample ID: L602161-02 MW-4

Lab Sample ID: 240-242809-2

Date Collected: 02/04/26 16:50
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 16:40
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 21:26
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:18
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690149	S4FJ	EET CLE	02/11/26 14:58
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:15
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 20:06
Total/NA	Analysis	2540 C-2020		1	689949	AAP	EET CLE	02/10/26 09:34
Total/NA	Analysis	2540D-2020		1	689964	AAP	EET CLE	02/10/26 10:08
Total/NA	Analysis	300.0-1993 R2.1		1	689891	JMR	EET CLE	02/09/26 20:08

Client Sample ID: L602161-03 MW-10

Lab Sample ID: 240-242809-3

Date Collected: 02/04/26 16:46
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 16:56
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 21:42

Client Sample ID: L602161-03 MW-10

Lab Sample ID: 240-242809-3

Date Collected: 02/04/26 16:46

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:26
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690149	S4FJ	EET CLE	02/11/26 15:06
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:21
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 20:14
Total/NA	Analysis	2540 C-2020		1	689949	AAP	EET CLE	02/10/26 09:34
Total/NA	Analysis	2540D-2020		1	689964	AAP	EET CLE	02/10/26 10:08
Total/NA	Analysis	300.0-1993 R2.1		1	689891	JMR	EET CLE	02/09/26 19:45

Client Sample ID: L602161-04 MW-11

Lab Sample ID: 240-242809-4

Date Collected: 02/04/26 09:35

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 16:59
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 21:45
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		5	12644	JL	EET SSM	02/11/26 21:48
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:29
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		2	690149	S4FJ	EET CLE	02/11/26 15:08
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:22
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 20:55
Total/NA	Analysis	2540 C-2020		1	690007	AAP	EET CLE	02/10/26 12:32
Total/NA	Analysis	2540D-2020		1	689964	AAP	EET CLE	02/10/26 10:08
Total/NA	Analysis	300.0-1993 R2.1		1	689893	JMR	EET CLE	02/10/26 03:03

Client Sample ID: L602161-05 MW-11B

Lab Sample ID: 240-242809-5

Date Collected: 02/04/26 12:05

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12607	RMN	EET SSM	02/10/26 16:10
Dissolved	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 17:02
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 17:06
Dissolved	Prep	200.7			12607	RMN	EET SSM	02/10/26 16:10
Dissolved	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 21:52

Client Sample ID: L602161-05 MW-11B

Lab Sample ID: 240-242809-5

Date Collected: 02/04/26 12:05

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 21:55
Dissolved	Prep	200.8-1994 R5.4			689849	MN7X	EET CLE	02/09/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:01
Dissolved	Prep	200.8-1994 R5.4			690137	F3PF	EET CLE	02/11/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		10	690327	RKT	EET CLE	02/12/26 16:16
Dissolved	Prep	200.8-1994 R5.4			690137	F3PF	EET CLE	02/11/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690327	RKT	EET CLE	02/12/26 17:18
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:31
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		5	690149	S4FJ	EET CLE	02/11/26 15:11
Dissolved	Prep	245.1-1994 R3.0			689851	MN7X	EET CLE	02/09/26 14:00
Dissolved	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 11:17
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:24
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 21:05
Total/NA	Analysis	2540 C-2020		1	690007	AAP	EET CLE	02/10/26 12:32
Total/NA	Analysis	2540D-2020		1	689964	AAP	EET CLE	02/10/26 10:08
Total/NA	Analysis	300.0-1993 R2.1		1	689891	JMR	EET CLE	02/09/26 21:40

Client Sample ID: L602161-06 MW-13

Lab Sample ID: 240-242809-6

Date Collected: 02/04/26 09:16

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 17:09
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 21:57
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:40
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690149	S4FJ	EET CLE	02/11/26 15:19
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:26
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 21:13
Total/NA	Analysis	2540 C-2020		1	690007	AAP	EET CLE	02/10/26 12:32
Total/NA	Analysis	2540D-2020		1	689964	AAP	EET CLE	02/10/26 10:08
Total/NA	Analysis	300.0-1993 R2.1		1	689891	JMR	EET CLE	02/09/26 22:42

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-242809-1
Project/Site: Erickson Projects

Client Sample ID: L602161-07 MW-18A
Lab Sample ID: 240-242809-7
Date Collected: 02/04/26 11:37
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 17:12
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 22:00
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:42
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		5	690149	S4FJ	EET CLE	02/11/26 15:22
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:27
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 21:23
Total/NA	Analysis	2540 C-2020		1	690007	AAP	EET CLE	02/10/26 12:32
Total/NA	Analysis	2540D-2020		1	689980	AAP	EET CLE	02/10/26 11:00
Total/NA	Analysis	300.0-1993 R2.1		1	689891	JMR	EET CLE	02/09/26 22:57

Client Sample ID: L602161-08 MW-18B
Lab Sample ID: 240-242809-8
Date Collected: 02/04/26 13:06
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 17:15
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 22:03
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:45
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	690149	S4FJ	EET CLE	02/11/26 15:25
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:29
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 21:31
Total/NA	Analysis	2540 C-2020		1	690007	AAP	EET CLE	02/10/26 12:32
Total/NA	Analysis	2540D-2020		1	689980	AAP	EET CLE	02/10/26 11:00
Total/NA	Analysis	300.0-1993 R2.1		1	689891	JMR	EET CLE	02/09/26 23:12
Total/NA	Analysis	300.0-1993 R2.1		5	689891	JMR	EET CLE	02/09/26 23:20

Client Sample ID: L602161-09 MW-18C
Lab Sample ID: 240-242809-9
Date Collected: 02/04/26 14:15
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 17:19

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602161-09 MW-18C

Lab Sample ID: 240-242809-9

Date Collected: 02/04/26 14:15

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 22:06
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:48
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	690149	S4FJ	EET CLE	02/11/26 15:28
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:31
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 21:39
Total/NA	Analysis	2540 C-2020		1	690007	AAP	EET CLE	02/10/26 12:32
Total/NA	Analysis	2540D-2020		1	689980	AAP	EET CLE	02/10/26 11:00
Total/NA	Analysis	300.0-1993 R2.1		1	689891	JMR	EET CLE	02/09/26 23:43
Total/NA	Analysis	300.0-1993 R2.1		5	689891	JMR	EET CLE	02/09/26 23:51

Client Sample ID: L602169-01 MW-7B

Lab Sample ID: 240-242809-10

Date Collected: 02/05/26 13:35

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 17:22
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 22:15
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:51
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	690149	S4FJ	EET CLE	02/11/26 15:30
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:36
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 21:46
Total/NA	Analysis	2540 C-2020		1	690093	TAV2	EET CLE	02/11/26 10:03
Total/NA	Analysis	2540D-2020		1	690122	TAV2	EET CLE	02/11/26 11:16
Total/NA	Analysis	300.0-1993 R2.1		1	689891	JMR	EET CLE	02/09/26 22:19

Client Sample ID: L602161-10 MW-18D

Lab Sample ID: 240-242809-11

Date Collected: 02/04/26 15:26

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 17:25
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 22:18

Client Sample ID: L602161-10 MW-18D

Lab Sample ID: 240-242809-11

Date Collected: 02/04/26 15:26

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:54
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	690149	S4FJ	EET CLE	02/11/26 15:33
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:38
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 21:55
Total/NA	Analysis	2540 C-2020		1	690007	AAP	EET CLE	02/10/26 12:32
Total/NA	Analysis	2540D-2020		1	689980	AAP	EET CLE	02/10/26 11:00
Total/NA	Analysis	300.0-1993 R2.1		1	689891	JMR	EET CLE	02/09/26 23:59

Client Sample ID: L602169-02 MW-8

Lab Sample ID: 240-242809-12

Date Collected: 02/05/26 11:35

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 17:35
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 22:21
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:56
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690149	S4FJ	EET CLE	02/11/26 15:36
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:39
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 22:03
Total/NA	Analysis	2540 C-2020		1	690093	TAV2	EET CLE	02/11/26 10:03
Total/NA	Analysis	2540D-2020		1	690122	TAV2	EET CLE	02/11/26 11:16
Total/NA	Analysis	300.0-1993 R2.1		1	689891	JMR	EET CLE	02/09/26 22:27

Client Sample ID: L602161-11 MWT-18A

Lab Sample ID: 240-242809-13

Date Collected: 02/04/26 11:37

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 17:39
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 22:24
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 18:59
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		5	690149	S4FJ	EET CLE	02/11/26 15:39

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602161-11 MWT-18A

Lab Sample ID: 240-242809-13

Date Collected: 02/04/26 11:37

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:41
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 22:28
Total/NA	Analysis	2540 C-2020		1	690007	AAP	EET CLE	02/10/26 12:32
Total/NA	Analysis	2540D-2020		1	689980	AAP	EET CLE	02/10/26 11:00
Total/NA	Analysis	300.0-1993 R2.1		1	689891	JMR	EET CLE	02/10/26 00:14

Client Sample ID: L602169-03 MW-9

Lab Sample ID: 240-242809-14

Date Collected: 02/05/26 09:30

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 17:42
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 22:27
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 19:02
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690149	S4FJ	EET CLE	02/11/26 15:41
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:43
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 22:42
Total/NA	Analysis	2540 C-2020		1	690093	TAV2	EET CLE	02/11/26 10:03
Total/NA	Analysis	2540D-2020		1	690122	TAV2	EET CLE	02/11/26 11:16
Total/NA	Analysis	300.0-1993 R2.1		1	689891	JMR	EET CLE	02/09/26 22:34

Client Sample ID: L602161-12 Field Blank

Lab Sample ID: 240-242809-15

Date Collected: 02/04/26 08:15

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 17:45
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 22:30
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 19:10
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690149	S4FJ	EET CLE	02/11/26 15:44
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:44
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 22:50
Total/NA	Analysis	2540 C-2020		1	690007	AAP	EET CLE	02/10/26 12:32

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602161-12 Field Blank

Lab Sample ID: 240-242809-15

Date Collected: 02/04/26 08:15
Date Received: 02/09/26 08:14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540D-2020		1	689980	AAP	EET CLE	02/10/26 11:00
Total/NA	Analysis	300.0-1993 R2.1		1	689893	JMR	EET CLE	02/10/26 01:38

Client Sample ID: L602170-01 MW-15

Lab Sample ID: 240-242809-16

Date Collected: 02/05/26 09:05
Date Received: 02/09/26 08:14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.7 Rev 4.4		1	12798	JLS	EET SSM	02/20/26 17:49
Total/NA	Prep	200.8			12607	RMN	EET SSM	02/10/26 16:10
Total/NA	Analysis	200.8		1	12644	JL	EET SSM	02/11/26 22:33
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 19:13
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		2	690149	S4FJ	EET CLE	02/11/26 15:52
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:46
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 22:55
Total/NA	Analysis	2540 C-2020		1	690093	TAV2	EET CLE	02/11/26 10:03
Total/NA	Analysis	2540D-2020		1	690122	TAV2	EET CLE	02/11/26 11:16
Total/NA	Analysis	300.0-1993 R2.1		1	689893	JMR	EET CLE	02/10/26 02:48

Client Sample ID: L602170-02 MW-100A

Lab Sample ID: 240-242809-17

Date Collected: 02/05/26 16:04
Date Received: 02/09/26 08:14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12634	RMN	EET SSM	02/11/26 17:02
Total/NA	Analysis	200.7 Rev 4.4		1	12726	JLS	EET SSM	02/17/26 16:29
Total/NA	Prep	200.8			12634	RMN	EET SSM	02/11/26 17:02
Total/NA	Analysis	200.8		1	12675	JLS	EET SSM	02/12/26 15:59
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 19:16
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690149	S4FJ	EET CLE	02/11/26 15:55
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:48
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 23:04
Total/NA	Analysis	2540 C-2020		1	690093	TAV2	EET CLE	02/11/26 10:03
Total/NA	Analysis	2540D-2020		1	690122	TAV2	EET CLE	02/11/26 11:16
Total/NA	Analysis	300.0-1993 R2.1		1	689893	JMR	EET CLE	02/10/26 01:15

Client Sample ID: L602170-03 MW-100B

Lab Sample ID: 240-242809-18

Date Collected: 02/05/26 12:23

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12634	RMN	EET SSM	02/11/26 17:02
Total/NA	Analysis	200.7 Rev 4.4		1	12726	JLS	EET SSM	02/17/26 16:44
Total/NA	Prep	200.8			12634	RMN	EET SSM	02/11/26 17:02
Total/NA	Analysis	200.8		5	12675	JLS	EET SSM	02/12/26 17:54
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 19:18
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		2	690149	S4FJ	EET CLE	02/11/26 15:58
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:50
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 23:13
Total/NA	Analysis	2540 C-2020		1	690093	TAV2	EET CLE	02/11/26 10:03
Total/NA	Analysis	2540D-2020		1	690122	TAV2	EET CLE	02/11/26 11:16
Total/NA	Analysis	300.0-1993 R2.1		1	689893	JMR	EET CLE	02/10/26 01:46

Client Sample ID: L602170-04 MW-100C

Lab Sample ID: 240-242809-19

Date Collected: 02/05/26 13:48

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12634	RMN	EET SSM	02/11/26 17:02
Total/NA	Analysis	200.7 Rev 4.4		1	12726	JLS	EET SSM	02/17/26 17:00
Total/NA	Prep	200.8			12634	RMN	EET SSM	02/11/26 17:02
Total/NA	Analysis	200.8		1	12675	JLS	EET SSM	02/12/26 17:11
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 19:21
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		10	690149	S4FJ	EET CLE	02/11/26 16:01
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:51
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 23:21
Total/NA	Analysis	2540 C-2020		1	690093	TAV2	EET CLE	02/11/26 10:03
Total/NA	Analysis	2540D-2020		1	690122	TAV2	EET CLE	02/11/26 11:16
Total/NA	Analysis	300.0-1993 R2.1		1	689893	JMR	EET CLE	02/10/26 01:54

Client Sample ID: L602170-05 MW-100D

Lab Sample ID: 240-242809-20

Date Collected: 02/05/26 15:22

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12634	RMN	EET SSM	02/11/26 17:02
Total/NA	Analysis	200.7 Rev 4.4		1	12726	JLS	EET SSM	02/17/26 17:04
Total/NA	Prep	200.8			12634	RMN	EET SSM	02/11/26 17:02
Total/NA	Analysis	200.8		1	12675	JLS	EET SSM	02/12/26 17:14

Client Sample ID: L602170-05 MW-100D

Lab Sample ID: 240-242809-20

Date Collected: 02/05/26 15:22

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12634	RMN	EET SSM	02/11/26 17:02
Total/NA	Analysis	200.8		5	12675	JLS	EET SSM	02/12/26 18:06
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 19:24
Total Recoverable	Prep	200.8-1994 R5.4			689860	F3PF	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	690149	S4FJ	EET CLE	02/11/26 16:03
Total/NA	Prep	245.1-1994 R3.0			689866	F3PF	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 13:58
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 23:29
Total/NA	Analysis	2540 C-2020		1	690093	TAV2	EET CLE	02/11/26 10:03
Total/NA	Analysis	2540D-2020		1	690122	TAV2	EET CLE	02/11/26 11:16
Total/NA	Analysis	300.0-1993 R2.1		1	689893	JMR	EET CLE	02/10/26 02:02

Client Sample ID: L602170-06 MWT-100C

Lab Sample ID: 240-242809-21

Date Collected: 02/05/26 13:48

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12634	RMN	EET SSM	02/11/26 17:02
Total/NA	Analysis	200.7 Rev 4.4		1	12726	JLS	EET SSM	02/17/26 17:27
Total/NA	Prep	200.8			12634	RMN	EET SSM	02/11/26 17:02
Total/NA	Analysis	200.8		1	12675	JLS	EET SSM	02/12/26 17:16
Total Recoverable	Prep	200.8-1994 R5.4			689849	MN7X	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 17:56
Total Recoverable	Prep	200.8-1994 R5.4			690137	F3PF	EET CLE	02/11/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	690327	RKT	EET CLE	02/12/26 16:00
Total Recoverable	Prep	200.8-1994 R5.4			690137	F3PF	EET CLE	02/11/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690327	RKT	EET CLE	02/12/26 17:02
Total/NA	Prep	245.1-1994 R3.0			689851	MN7X	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 11:13
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 23:41
Total/NA	Analysis	2540 C-2020		1	690093	TAV2	EET CLE	02/11/26 10:03
Total/NA	Analysis	2540D-2020		1	690122	TAV2	EET CLE	02/11/26 11:16
Total/NA	Analysis	300.0-1993 R2.1		1	689893	JMR	EET CLE	02/10/26 02:09

Client Sample ID: L602170-07 Field Blank

Lab Sample ID: 240-242809-22

Date Collected: 02/05/26 08:00

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12634	RMN	EET SSM	02/11/26 17:02
Total/NA	Analysis	200.7 Rev 4.4		1	12726	JLS	EET SSM	02/17/26 17:30
Total/NA	Prep	200.8			12634	RMN	EET SSM	02/11/26 17:02
Total/NA	Analysis	200.8		1	12675	JLS	EET SSM	02/12/26 17:19

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Client Sample ID: L602170-07 Field Blank

Lab Sample ID: 240-242809-22

Date Collected: 02/05/26 08:00

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8-1994 R5.4			689849	MN7X	EET CLE	02/09/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690009	S4FJ	EET CLE	02/10/26 17:58
Total Recoverable	Prep	200.8-1994 R5.4			690137	F3PF	EET CLE	02/11/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690327	RKT	EET CLE	02/12/26 16:08
Total/NA	Prep	245.1-1994 R3.0			689851	MN7X	EET CLE	02/09/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690022	TQ6W	EET CLE	02/10/26 11:15
Total/NA	Analysis	2320 B-2021		1	689923	JMR	EET CLE	02/09/26 23:49
Total/NA	Analysis	2540 C-2020		1	690093	TAV2	EET CLE	02/11/26 10:03
Total/NA	Analysis	2540D-2020		1	690122	TAV2	EET CLE	02/11/26 11:16
Total/NA	Analysis	300.0-1993 R2.1		1	689893	JMR	EET CLE	02/10/26 02:32

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-1

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-26

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
Arizona	State	AZ0854	01-13-27
California	State	2954	07-07-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	06-30-26
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167	07-07-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-25-24-59583A1	01-24-28
Washington	State	C788	07-13-26
Wisconsin	State	399133460	08-31-26

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
Dissolved metals filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Wellfield Project

Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2540C_Calcd Total Dissolved Solids [TDS]	904.0/PrecSep_0 Ra-228 [STD]	200.8/200.8_P_TR Project List (18) [C01]	245.1/245.1_Prep Mercury [MER]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	Ra226_228GFPC_P Combined Ra226&228 [160]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	2540D Solids, Total Suspended (TSS) [TSS]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]		Plastic 1 liter - Nitric Acid	Plastic 500ml - unpreserved	Plastic 500ml - with Nitric Acid	Plastic 500ml - w/ Nitric - Dis.	Plastic 60 mL - unpreserved	Plastic 1 liter - unpreserved	Plastic 250ml - with Nitric Acid	Total Bottles For Sample
1	L602161-01 MW-1	Grab	Water	02/04/26 15:00				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
2	L602161-02 MW-4	Grab	Water	02/04/26 16:50				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
3	L602161-03 MW-10	Grab	Water	02/04/26 16:46				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
4	L602161-04 MW-11	Grab	Water	02/04/26 09:35				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
5	L602161-05 MW-11B	Grab	Water	02/04/26 12:05				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1	1	2	1	1	9
6	L602161-06 MW-13	Grab	Water	02/04/26 09:16				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
7	L602161-07 MW-18A	Grab	Water	02/04/26 11:37				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
8	L602161-08 MW-18B	Grab	Water	02/04/26 13:06				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
9	L602161-09 MW-18C	Grab	Water	02/04/26 14:15				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
10	L602169-01 MW-7B	Grab	Water	02/05/26 13:35				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
11	L602161-10 MW-18D	Grab	Water	02/04/26 15:26				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
12	L602169-02 MW-8	Grab	Water	02/05/26 11:35				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8

Chain of Custody Number: **458152**

*H -- Analysis on hold.

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
Dissolved metals filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Wellfield Project

Site Name:
Erickson Projects

Samples

Methods and Bottles

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2540C_Calcd Total Dissolved Solids [TDS]	904.0/PrecSep_0 Ra-228 [STD]	200.8/200.8_P_TR Project List (18) [C01]	245.1/245.1_Prep Mercury [MER]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	Ra226_228GFPC_P Combined Ra226&228 [160]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	2540D Solids, Total Suspended (TSS) [TSS]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]		Plastic 1 liter - Nitric Acid	Plastic 500ml - unpreserved	Plastic 500ml - with Nitric Acid	Plastic 500ml - w/ Nitric - Dis.	Plastic 60 mL - unpreserved	Plastic 1 liter - unpreserved	Plastic 250ml - with Nitric Acid	Total Bottles For Sample
13	L602161-11 MWT-18A	Grab	Water	02/04/26 11:37				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
14	L602169-03 MW-9	Grab	Water	02/05/26 09:30				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
15	L602161-12 Field Blank	Grab	Water	02/04/26 08:15				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
16	L602170-01 MW-15	Grab	Water	02/05/26 09:05				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
17	L602170-02 MW-100A	Grab	Water	02/05/26 16:04				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
18	L602170-03 MW-100B	Grab	Water	02/05/26 12:23				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
19	L602170-04 MW-100C	Grab	Water	02/05/26 13:48				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
20	L602170-05 MW-100D	Grab	Water	02/05/26 15:22				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
21	L602170-06 MWT-100C	Grab	Water	02/05/26 13:48				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
22	L602170-07 Field Blank	Grab	Water	02/05/26 08:00				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:	Samples Received By:	Date/Time:
Jennifer Caporale	02/06/26 10:28	Jennifer Caporale	02/06/26 10:28	Melnichenko, Jon	02/07/26 08:13

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260205A001								
MIC20260205A001								
MIC20260205A002								
MIC20260205A003								
MIC20260206A001								
MIC20260206A001								
MIC20260206A003								
MIC20260206A003								
MIC20260206A004								

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name: Jennifer Caporale

Address : 1110 South Pennsylvania

Address 2:

City, State Zip: Lansing, Michigan 48901

Phone: 517-702-6482

Email: Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company: Lansing Board of Water & Light

Purchase Order: Contract number 4600002189

Work Order:

Requested TAT:

Project Number: 24034575

Sample State: MI

Special Instructions: Dissolved metals filtered in field.

Project Manager: Howell, Leslie

Project Reference:

Sampler: Marc Wahrer and Franklin Davis Ray

Description: Erickson Wellfield Project

Site Name: Erickson Projects

G122, M77 out St. Lab? Out Specimet

240-242809 COC

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2540C_Calcd Total Dissolved Solids [TDS]	904.0/PrecSep_0 Ra-228 [STD]	200.8/200.8_P_TR Project List (18) [C01]	245.1/245.1_Prep Mercury [MER]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	Ra226_228GFPC_P Combined Ra226&228 [160]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	2540D Solids, Total Suspended (TSS) [TSS]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]		Plastic 1 liter - Nitric Acid	Plastic 500ml - unpreserved	Plastic 500ml - with Nitric Acid	Plastic 500ml - w/ Nitric - Dis.	Plastic 60 mL - unpreserved	Plastic 1 liter - unpreserved	Plastic 250ml - with Nitric Acid	Total Bottles For Sample
1	L602161-01 MW-1	Grab	Water	02/04/26 15:00				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
2	[redacted]							X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
3	L602161-03 MW-10	Grab	Water	02/04/26 16:46				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
4	[redacted]							X		X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
5	L602161-05 MW-11B	Grab	Water	02/04/26 12:05				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1	1	2	1	1	9
6	[redacted]							X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
7	L602161-07 MW-18A	Grab	Water	02/04/26 11:37				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
8	[redacted]							X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
9	L602161-09 MW-18C	Grab	Water	02/04/26 14:15				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
10	L602169-01 MW-7B	Grab	Water	02/05/26 13:35				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
11	L602161-10 MW-18D	Grab	Water	02/04/26 15:26				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
12	L602169-02 MW-8	Grab	Water	02/05/26 11:35				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8

Chain of Custody Number: 458152

JLR

*H – Analysis on hold.

2/21/2026

Chain of Custody

eurofins | Environment Testing

Contains Rush Work. ☐ Contains Methods That May Expire Soon ☐

Client Contact Info

Name:
Jennifer Caporale

Address
1110 South Pennsylvania

Address 2:

City State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

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Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
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Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Wellfield Project

Site Name:
Erickson Projects

Samples

Methods and Bottles

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2540C_Calcd Total Dissolved Solids [TDS]	904.0/PrecSep_0 Ra-228 [STD]	200.8/200.8_P_TR Project List (18) [C01]	245.1/245.1_Prep Mercury [MER]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	Ra226_228GFPC_P Combined Ra226&228 [160]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	2540D Solids, Total Suspended (TSS) [TSS]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]		Plastic 1 liter Nitric Acid	Plastic 500ml unpreserved	Plastic 500ml with Nitric Acid	Plastic 500ml w/ Nitric Dis.	Plastic 60 mL unpreserved	Plastic 1 liter unpreserved	Plastic 250ml with Nitric Acid	Total Bottles For Sample
13	L602161-11 MWT-18A	Grab	Water	02/04/26 11:37				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
14	L602169-03 MW-9	Grab	Water	02/05/26 09:30				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
15	L602161-12 Field Blank	Grab	Water	02/04/26 08:15				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
16	L602170-01 MW-15	Grab	Water	02/05/26 09:05				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
17	L602170-02 MW-100A	Grab	Water	02/05/26 16:04				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
18	L602170-03 MW-100B	Grab	Water	02/05/26 12:23				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
19	L602170-04 MW-100C	Grab	Water	02/05/26 13:48				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
20	L602170-05 MW-100D	Grab	Water	02/05/26 15:22				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
21	L602170-06 MWT 100C	Grab	Water	02/05/26 13:48				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
22	L602170-07 Field Blank	Grab	Water	02/05/26 08:00				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client Lansing Board of Water + Light Site Name _____

Cooler unpacked by JLM

Cooler Received on 2/7/26 Opened on 2/7/26

FedEx 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN # 17 (CF +0.7 °C) Observed Cooler Temp ___.___ °C Corrected Cooler Temp ___.___ °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No
	-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
	-Were tamper/custody seals intact and uncompromised?	(Yes) No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes (No)
4	Did custody papers accompany the sample(s)?	(Yes) No
5	Were the custody papers relinquished & signed in the appropriate place?	Yes (No)
6	Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No
7	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
11	Sufficient quantity received to perform indicated analyses?	(Yes) No
12.	Are these work share samples and all listed on the COC?	Yes (No)
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA pH Strip Lot# HC567196
14	Were VOAs on the COC?	Yes (No)
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes No (NA)
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes (No)
17	Was a LL Hg or Me Hg trip blank present? _____	Yes (No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18 CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: BL
Labels Verified by: BH

_____
_____
_____
_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired
Sample(s) _____ were received in a broken container
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory
Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

GHD

2/21/2026

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: _____	1.3	2.0	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	2.7	3.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	2.6	3.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	0.9	1.6	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	0.6	1.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	1.1	1.8	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	1.7	2.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	

2/9/2026

Login Container Summary Report

240-242809

2/21/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602161-01 MW-1	240-242809-A-1	Plastic 1 liter - Nitric Acid	<2			
L602161-01 MW-1	240-242809-B-1	Plastic 1 liter - Nitric Acid	<2			
L602161-01 MW-1	240-242809-C-1	Plastic 500ml - unpreserved				
L602161-01 MW-1	240 242809-D-1	Plastic 500ml - with Nitric Acid	<2			
L602161-01 MW-1	240-242809-E-1	Plastic 60 mL - unpreserved				
L602161-01 MW-1	240-242809-F-1	Plastic 60 mL - unpreserved				
L602161-01 MW-1	240-242809-G-1	Plastic 1 liter - unpreserved				
L602161-01 MW-1	240-242809-H-1	Plastic 250ml - with Nitric Acid	<2			
L602161-02 MW-4	240-242809-A-2	Plastic 1 liter - Nitric Acid	<2			
L602161-02 MW-4	240-242809-B-2	Plastic 1 liter - Nitric Acid	<2			
L602161-02 MW-4	240-242809-C-2	Plastic 500ml - unpreserved				
L602161-02 MW-4	240-242809-D-2	Plastic 500ml - with Nitric Acid	<2			
L602161-02 MW-4	240-242809-E-2	Plastic 60 mL - unpreserved				
L602161-02 MW-4	240-242809-F-2	Plastic 60 mL - unpreserved				
L602161-02 MW-4	240-242809-G-2	Plastic 1 liter - unpreserved				
L602161-02 MW-4	240-242809-H-2	Plastic 250ml - with Nitric Acid	<2			
L602161-03 MW-10	240-242809-A-3	Plastic 1 liter - Nitric Acid	<2			
L602161-03 MW-10	240-242809-B 3	Plastic 1 liter - Nitric Acid	<2			
L602161-03 MW-10	240-242809-C-3	Plastic 500ml - unpreserved				
L602161-03 MW-10	240-242809-D-3	Plastic 500ml - with Nitric Acid	<2			
L602161-03 MW-10	240-242809-E-3	Plastic 60 mL - unpreserved				
L602161-03 MW-10	240-242809-F-3	Plastic 60 mL - unpreserved				
L602161-03 MW-10	240-242809-G-3	Plastic 1 liter - unpreserved				
L602161-03 MW-10	240-242809-H-3	Plastic 250ml - with Nitric Acid	<2			
L602161-04 MW-11	240-242809 A-4	Plastic 1 liter - Nitric Acid	<2			
L602161-04 MW-11	240-242809-B-4	Plastic 1 liter - Nitric Acid	<2			
L602161-04 MW-11	240-242809-C-4	Plastic 500ml - unpreserved				
L602161-04 MW-11	240-242809-D-4	Plastic 500ml - with Nitric Acid	<2			
L602161-04 MW-11	240-242809-E-4	Plastic 60 mL - unpreserved				
L602161-04 MW-11	240-242809-F-4	Plastic 60 mL - unpreserved				
L602161-04 MW-11	240-242809-G-4	Plastic 1 liter - unpreserved				
L602161-04 MW-11	240-242809-H-4	Plastic 250ml - with Nitric Acid	<2			
L602161-05 MW-11B	240-242809-A-5	Plastic 1 liter - Nitric Acid				
L602161-05 MW-11B	240-242809-B-5	Plastic 1 liter - Nitric Acid				
L602161-05 MW-11B	240-242809-C-5	Plastic 500ml - unpreserved				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602161-05 MW-11B	240-242809-D-5	Plastic 500ml - with Nitric Acid				
L602161-05 MW-11B	240-242809-E-5					
L602161-05 MW-11B	240-242809 F-5	Plastic 60 mL - unpreserved				
L602161-05 MW-11B	240-242809-G-5	Plastic 60 mL - unpreserved				
L602161-05 MW-11B	240-242809-H-5	Plastic 1 liter - unpreserved				
L602161-05 MW-11B	240-242809-I-5	Plastic 250ml - with Nitric Acid				
L602161-06 MW-13	240-242809-A-6	Plastic 1 liter - Nitric Acid	<2			
L602161-06 MW-13	240-242809-B-6	Plastic 1 liter - Nitric Acid	<2			
L602161-06 MW-13	240-242809-C-6	Plastic 500ml - unpreserved				
L602161-06 MW-13	240-242809-D-6	Plastic 500ml - with Nitric Acid	<2			
L602161-06 MW-13	240-242809-E-6	Plastic 60 mL - unpreserved				
L602161-06 MW-13	240-242809-F-6	Plastic 60 mL - unpreserved				
L602161-06 MW-13	240-242809-G-6	Plastic 1 liter - unpreserved				
L602161-06 MW-13	240-242809-H-6	Plastic 250ml - with Nitric Acid	<2			
L602161-07 MW-18A	240-242809-A-7	Plastic 1 liter - Nitric Acid	<2			
L602161-07 MW-18A	240-242809-B-7	Plastic 1 liter - Nitric Acid	<2			
L602161-07 MW-18A	240-242809-C-7	Plastic 500ml - unpreserved				
L602161-07 MW-18A	240-242809-D-7	Plastic 500ml - with Nitric Acid	<2			
L602161-07 MW-18A	240-242809-E-7	Plastic 60 mL - unpreserved				
L602161-07 MW-18A	240-242809-F-7	Plastic 60 mL - unpreserved				
L602161-07 MW-18A	240-242809-G-7	Plastic 1 liter - unpreserved				
L602161-07 MW-18A	240-242809-H-7	Plastic 250ml - with Nitric Acid	<2			
L602161-08 MW-18B	240-242809-A-8	Plastic 1 liter - Nitric Acid	<2			
L602161-08 MW-18B	240 242809-B-8	Plastic 1 liter - Nitric Acid	<2			
L602161-08 MW-18B	240-242809-C-8	Plastic 500ml - unpreserved				
L602161-08 MW-18B	240-242809-D-8	Plastic 500ml - with Nitric Acid	<2			
L602161-08 MW-18B	240-242809-E-8	Plastic 60 mL - unpreserved				
L602161-08 MW-18B	240-242809-F-8	Plastic 60 mL - unpreserved				
L602161-08 MW 18B	240-242809-G-8	Plastic 1 liter - unpreserved				
L602161-08 MW-18B	240-242809 H 8	Plastic 250ml - with Nitric Acid	<2			
L602161-09 MW-18C	240-242809-A-9	Plastic 1 liter - Nitric Acid	<2			
L602161-09 MW-18C	240-242809 B-9	Plastic 1 liter - Nitric Acid	<2			
L602161-09 MW-18C	240-242809-C-9	Plastic 500ml unpreserved				
L602161-09 MW-18C	240-242809-D-9	Plastic 500ml - with Nitric Acid	<2			
L602161-09 MW-18C	240-242809-E-9	Plastic 60 mL - unpreserved				
L602161-09 MW-18C	240-242809-F-9	Plastic 60 mL - unpreserved				
L602161-09 MW-18C	240-242809-G-9	Plastic 1 liter - unpreserved				
L602161-09 MW-18C	240-242809 H 9	Plastic 250ml - with Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602169-01 MW-7B	240-242809-A-10	Plastic 1 liter - Nitric Acid	<2			
L602169-01 MW-7B	240-242809-B-10	Plastic 1 liter - Nitric Acid	<2			
L602169-01 MW-7B	240-242809-C-10	Plastic 500ml - unpreserved				
L602169-01 MW-7B	240-242809-D-10	Plastic 500ml - with Nitric Acid	<2			
L602169-01 MW-7B	240-242809-E-10	Plastic 60 mL - unpreserved				
L602169-01 MW-7B	240-242809-F-10	Plastic 60 mL - unpreserved				
L602169-01 MW-7B	240-242809-G-10	Plastic 1 liter - unpreserved				
L602169-01 MW-7B	240-242809-H-10	Plastic 250ml - with Nitric Acid	<2			
L602161-10 MW-18D	240-242809-A-11	Plastic 1 liter - Nitric Acid	<2			
L602161-10 MW-18D	240-242809-B 11	Plastic 1 liter - Nitric Acid	<2			
L602161-10 MW-18D	240-242809-C-11	Plastic 500ml - unpreserved				
L602161-10 MW-18D	240-242809-D-11	Plastic 500ml - with Nitric Acid	<2			
L602161-10 MW-18D	240-242809-E-11	Plastic 60 mL - unpreserved				
L602161-10 MW-18D	240-242809-F-11	Plastic 60 mL - unpreserved				
L602161-10 MW-18D	240-242809-G-11	Plastic 1 liter - unpreserved				
L602161-10 MW-18D	240-242809-H-11	Plastic 250ml - with Nitric Acid	<2			
L602169-02 MW 8	240-242809-A-12	Plastic 1 liter - Nitric Acid	<2			
L602169-02 MW-8	240-242809-B-12	Plastic 1 liter - Nitric Acid	<2			
L602169-02 MW-8	240-242809-C-12	Plastic 500ml - unpreserved				
L602169-02 MW-8	240-242809-D-12	Plastic 500ml - with Nitric Acid	<2			
L602169-02 MW-8	240-242809-E-12	Plastic 60 mL - unpreserved				
L602169-02 MW-8	240-242809-F-12	Plastic 60 mL - unpreserved				
L602169-02 MW-8	240-242809-G-12	Plastic 1 liter - unpreserved				
L602169-02 MW-8	240-242809-H-12	Plastic 250ml - with Nitric Acid	<2			
L602161-11 MWT-18A	240-242809-A-13	Plastic 1 liter - Nitric Acid	<2			
L602161 11 MWT-18A	240-242809-B-13	Plastic 1 liter - Nitric Acid	<2			
L602161-11 MWT-18A	240-242809-C-13	Plastic 500ml - unpreserved				
L602161-11 MWT-18A	240-242809-D-13	Plastic 500ml - with Nitric Acid	<2			
L602161-11 MWT-18A	240-242809-E-13	Plastic 60 mL - unpreserved				
L602161-11 MWT-18A	240-242809-F-13	Plastic 60 mL - unpreserved				
L602161-11 MWT-18A	240-242809-G-13	Plastic 1 liter - unpreserved				
L602161-11 MWT-18A	240-242809-H-13	Plastic 250ml - with Nitric Acid	<2			
L602169-03 MW-9	240-242809-A-14	Plastic 1 liter - Nitric Acid	<2			
L602169-03 MW-9	240-242809-B-14	Plastic 1 liter - Nitric Acid	<2			
L602169-03 MW-9	240-242809-C-14	Plastic 500ml - unpreserved				
L602169-03 MW-9	240-242809-D-14	Plastic 500ml - with Nitric Acid	<2			
L602169-03 MW-9	240-242809-E-14	Plastic 60 mL - unpreserved				
L602169-03 MW-9	240-242809-F-14	Plastic 60 mL - unpreserved				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602169-03 MW-9	240-242809-G-14	Plastic 1 liter - unpreserved				
L602169-03 MW-9	240-242809-H-14	Plastic 250ml - with Nitric Acid	<2			
L602161-12 Field Blank	240-242809-A-15	Plastic 1 liter - Nitric Acid	<2			
L602161-12 Field Blank	240-242809-B-15	Plastic 1 liter - Nitric Acid	<2			
L602161-12 Field Blank	240-242809-C-15	Plastic 500ml - unpreserved				
L602161-12 Field Blank	240-242809-D-15	Plastic 500ml - with Nitric Acid	<2			
L602161-12 Field Blank	240-242809-E-15	Plastic 60 mL - unpreserved				
L602161-12 Field Blank	240-242809-F-15	Plastic 60 mL - unpreserved				
L602161-12 Field Blank	240-242809-G-15	Plastic 1 liter - unpreserved				
L602161-12 Field Blank	240-242809-H-15	Plastic 250ml - with Nitric Acid	<2			
L602170-01 MW-15	240-242809-A-16	Plastic 1 liter - Nitric Acid	<2			
L602170-01 MW-15	240-242809-B-16	Plastic 1 liter - Nitric Acid	<2			
L602170-01 MW-15	240-242809-C-16	Plastic 500ml - unpreserved				
L602170-01 MW-15	240-242809-D-16	Plastic 500ml - with Nitric Acid	<2			
L602170-01 MW-15	240-242809-E-16	Plastic 60 mL - unpreserved				
L602170-01 MW-15	240 242809-F-16	Plastic 60 mL - unpreserved				
L602170-01 MW-15	240-242809-G-16	Plastic 1 liter - unpreserved				
L602170-01 MW-15	240-242809-H-16	Plastic 250ml - with Nitric Acid	<2			
L602170-02 MW-100A	240-242809-A-17	Plastic 1 liter - Nitric Acid	<2			
L602170-02 MW-100A	240-242809-B-17	Plastic 1 liter - Nitric Acid	<2			
L602170-02 MW-100A	240-242809-C-17	Plastic 500ml - unpreserved				
L602170-02 MW-100A	240-242809-D-17	Plastic 500ml - with Nitric Acid	<2			
L602170-02 MW-100A	240-242809-E-17	Plastic 60 mL - unpreserved				
L602170-02 MW-100A	240-242809-F-17	Plastic 60 mL - unpreserved				
L602170-02 MW-100A	240-242809-G-17	Plastic 1 liter - unpreserved				
L602170-02 MW-100A	240 242809-H-17	Plastic 250ml - with Nitric Acid	<2			
L602170-03 MW-100B	240-242809-A-18	Plastic 1 liter - Nitric Acid	<2			
L602170-03 MW-100B	240-242809-B-18	Plastic 1 liter - Nitric Acid	<2			
L602170-03 MW-100B	240-242809-C-18	Plastic 500ml - unpreserved				
L602170-03 MW-100B	240-242809-D-18	Plastic 500ml - with Nitric Acid	<2			
L602170-03 MW-100B	240-242809-E-18	Plastic 60 mL - unpreserved				
L602170-03 MW-100B	240-242809-F-18	Plastic 60 mL - unpreserved				
L602170-03 MW-100B	240 242809-G-18	Plastic 1 liter - unpreserved				
L602170-03 MW-100B	240-242809-H-18	Plastic 250ml - with Nitric Acid	<2			
L602170-04 MW-100C	240-242809-A-19	Plastic 1 liter - Nitric Acid	<2			
L602170-04 MW-100C	240-242809 B-19	Plastic 1 liter - Nitric Acid	<2			
L602170-04 MW-100C	240-242809-C-19	Plastic 500ml - unpreserved				
L602170-04 MW-100C	240-242809-D-19	Plastic 500ml - with Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602170-04 MW-100C	240-242809-E-19	Plastic 60 mL - unpreserved				
L602170-04 MW-100C	240-242809-F-19	Plastic 60 mL - unpreserved				
L602170-04 MW-100C	240-242809-G-19	Plastic 1 liter - unpreserved				
L602170-04 MW-100C	240-242809-H-19	Plastic 250ml - with Nitric Acid	<2			
L602170-05 MW-100D	240-242809-A-20	Plastic 1 liter - Nitric Acid	<2			
L602170-05 MW-100D	240-242809-B-20	Plastic 1 liter - Nitric Acid	<2			
L602170-05 MW-100D	240-242809-C-20	Plastic 500ml - unpreserved				
L602170-05 MW-100D	240-242809-D-20	Plastic 500ml - with Nitric Acid	<2			
L602170-05 MW-100D	240-242809-E-20	Plastic 60 mL - unpreserved				
L602170-05 MW-100D	240-242809-F-20	Plastic 60 mL - unpreserved				
L602170-05 MW-100D	240-242809-G-20	Plastic 1 liter - unpreserved				
L602170-05 MW-100D	240-242809-H-20	Plastic 250ml - with Nitric Acid	<2			
L602170-06 MWT-100C	240-242809-A-21	Plastic 1 liter - Nitric Acid	<2			
L602170-06 MWT-100C	240-242809-B-21	Plastic 1 liter - Nitric Acid	<2			
L602170-06 MWT-100C	240-242809-C-21	Plastic 500ml - unpreserved				
L602170-06 MWT-100C	240-242809 D-21	Plastic 500ml - with Nitric Acid	<2			
L602170-06 MWT-100C	240-242809-E-21	Plastic 60 mL - unpreserved				
L602170-06 MWT-100C	240-242809-F-21	Plastic 60 mL - unpreserved				
L602170-06 MWT-100C	240-242809-G-21	Plastic 1 liter - unpreserved				
L602170-06 MWT-100C	240-242809-H-21	Plastic 250ml - with Nitric Acid	<2			
L602170-07 Field Blank	240-242809-A-22	Plastic 1 liter - Nitric Acid	<2			
L602170-07 Field Blank	240-242809-B-22	Plastic 1 liter - Nitric Acid	<2			
L602170-07 Field Blank	240-242809-C-22	Plastic 500ml - unpreserved				
L602170-07 Field Blank	240 242809-D-22	Plastic 500ml - with Nitric Acid	<2			
L602170-07 Field Blank	240-242809-E-22	Plastic 60 mL - unpreserved				
L602170-07 Field Blank	240-242809-F-22	Plastic 60 mL - unpreserved				
L602170-07 Field Blank	240-242809-G-22	Plastic 1 liter - unpreserved				
L602170-07 Field Blank	240-242809-H-22	Plastic 250ml - with Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

2/21/2026

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213988.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 3
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-242809-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/23/2026			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Therm. ID: SC02 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.1 / 0.3 °C
Delivery: UPS / (FedEx) / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: 12 Packing: 10

Therm. ID: SC03 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 0.0 / 0.5 °C
Delivery: UPS / (FedEx) / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: 12 Packing: 10

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7_CWA/200.7_P_TOT(MOD) Iron & Zinc	200.8_CWA/200.8_P_TOT(MOD) Iron & Zinc	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRD(MOD) Iron & Zinc	Total	Special Instructions/Note:
			Preservation Code:									
L602161-01 MW-1 (240-242809-1)	2/4/26	15:00 Eastern	G	Water			X	X			1	
L602161-02 MW-4 (240-242809-2)	2/4/26	16:50 Eastern	G	Water			X	X			1	
L602161-03 MW-10 (240-242809-3)	2/4/26	16:46 Eastern	G	Water			X	X			1	
L602161-04 MW-11 (240-242809-4)	2/4/26	09:35 Eastern	G	Water			X	X			1	
L602161-05 MW-11B (240-242809-5)	2/4/26	12:05 Eastern	G	Water			X	X	X	X	2	
L602161-06 MW-13 (240-242809-6)	2/4/26	09:16 Eastern	G	Water			X	X			1	
L602161-07 MW-18A (240-242809-7)	2/4/26	11:37 Eastern	G	Water			X	X			1	
L602161-08 MW-18B (240-242809-8)	2/4/26	13:06 Eastern	G	Water			X	X			1	
L602161-09 MW-18C (240-242809-9)	2/4/26	14:15 Eastern	G	Water			X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/9/26 1500			2/10/26 10:05	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Cleveland
180 S Van Buren Avenue
Barberton, OH 44203
Phone. 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

2/21/2026

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213988 2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie Howell@et eurofinsus com	State of Origin: Michigan	Page: Page 2 of 3
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-242809-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/23/2026			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7_CWA/200.7_P_TOT(MOD) Iron & Zinc	200.8_CWA/200.8_P_TOT(MOD) Iron & Zinc	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRD(MOD) Iron & Zinc	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
L602169-01 MW-7B (240-242809-10)	2/5/26	13 35 Eastern	G	Water			X	X			1	
L602161-10 MW-18D (240-242809-11)	2/4/26	15 26 Eastern	G	Water			X	X			1	
L602169-02 MW-8 (240-242809-12)	2/5/26	11 35 Eastern	G	Water			X	X			1	
L602161-11 MWT-18A (240-242809-13)	2/4/26	11 37 Eastern	G	Water			X	X			1	
L602169-03 MW-9 (240-242809-14)	2/5/26	09 30 Eastern	G	Water			X	X			1	
L602161-12 Field Blank (240-242809-15)	2/4/26	08 15 Eastern	G	Water			X	X			1	
L602170-01 MW-15 (240-242809-16)	2/5/26	09 05 Eastern	G	Water			X	X			1	
L602170-02 MW-100A (240-242809-17)	2/5/26	16 04 Eastern	G	Water			X	X			1	
L602170-03 MW-100B (240-242809-18)	2/5/26	12 23 Eastern	G	Water			X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:
Relinquished by:	Date/Time: 2/9/26 1520	Company: BT	Received by:	Date/Time: 2/10/26 10:45	Company: FEDEX
Relinquished by:	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Ramarks.

Ver 10/10/2024

Eurofins Cleveland
180 S Van Buren Avenue
Barberton, OH 44203
Phone 330-497-9396 Fax 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

2/21/2026

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213988 3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie Howell@et eurofinsus com	State of Origin: Michigan	Page: Page 3 of 3
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-242809-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/23/2026			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			Other: N/A
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7_CWA/200.7_P_TOT(MOD) Iron & Zinc	200.8_CWA/200.8_P_TOT(MOD) Iron & Zinc	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRD(MOD) Iron & Zinc	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
L602170-04 MW-100C (240-242809-19)	2/5/26	13.48 Eastern	G	Water			X	X			1	
L602170-05 MW-100D (240-242809-20)	2/5/26	15 22 Eastern	G	Water			X	X			1	
L602170-06 MWT-100C (240-242809-21)	2/5/26	13 48 Eastern	G	Water			X	X			1	
L602170-07 Field Blank (240-242809-22)	2/5/26	08 00 Eastern	G	Water			X	X			1	

Note Since laboratory accreditations are subject to change Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 2/9/26 1520	Company: BT	Received by:	Date/Time: 2/10/26 10:05	Company: ETNW
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-242809-1

Login Number: 242809
List Number: 3
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 02/10/26 12:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

Generated 3/9/2026 9:38:17 AM

JOB DESCRIPTION

Erickson Projects

JOB NUMBER

240-242809-2

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

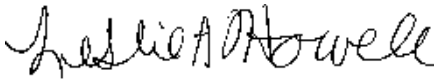
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

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Definitions/Glossary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
240-242809-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/9/2026 8:14 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.3°C, 1.6°C, 1.8°C, 2.0°C, 2.4°C, 3.3°C and 3.4°C.

Gas Flow Proportional Counter
Method 904.0: Radium 228 Prep Batch 160-758235

Insufficient sample volume was available to perform a sample duplicate for the following samples: L602161-08 MW-18B (240-242809-8), L602161-09 MW-18C (240-242809-9), L602161-11 MWT-18A (240-242809-13) and L602170-01 MW-15 (240-242809-16). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-242809-1	L602161-01 MW-1	Water	02/04/26 15:00	02/09/26 08:14	Michigan
240-242809-2	L602161-02 MW-4	Water	02/04/26 16:50	02/09/26 08:14	Michigan
240-242809-3	L602161-03 MW-10	Water	02/04/26 16:46	02/09/26 08:14	Michigan
240-242809-4	L602161-04 MW-11	Water	02/04/26 09:35	02/09/26 08:14	Michigan
240-242809-5	L602161-05 MW-11B	Water	02/04/26 12:05	02/09/26 08:14	Michigan
240-242809-6	L602161-06 MW-13	Water	02/04/26 09:16	02/09/26 08:14	Michigan
240-242809-7	L602161-07 MW-18A	Water	02/04/26 11:37	02/09/26 08:14	Michigan
240-242809-8	L602161-08 MW-18B	Water	02/04/26 13:06	02/09/26 08:14	Michigan
240-242809-9	L602161-09 MW-18C	Water	02/04/26 14:15	02/09/26 08:14	Michigan
240-242809-10	L602169-01 MW-7B	Water	02/05/26 13:35	02/09/26 08:14	Michigan
240-242809-11	L602161-10 MW-18D	Water	02/04/26 15:26	02/09/26 08:14	Michigan
240-242809-12	L602169-02 MW-8	Water	02/05/26 11:35	02/09/26 08:14	Michigan
240-242809-13	L602161-11 MWT-18A	Water	02/04/26 11:37	02/09/26 08:14	Michigan
240-242809-14	L602169-03 MW-9	Water	02/05/26 09:30	02/09/26 08:14	Michigan
240-242809-15	L602161-12 Field Blank	Water	02/04/26 08:15	02/09/26 08:14	Michigan
240-242809-16	L602170-01 MW-15	Water	02/05/26 09:05	02/09/26 08:14	Michigan
240-242809-17	L602170-02 MW-100A	Water	02/05/26 16:04	02/09/26 08:14	Michigan
240-242809-18	L602170-03 MW-100B	Water	02/05/26 12:23	02/09/26 08:14	Michigan
240-242809-19	L602170-04 MW-100C	Water	02/05/26 13:48	02/09/26 08:14	Michigan
240-242809-20	L602170-05 MW-100D	Water	02/05/26 15:22	02/09/26 08:14	Michigan
240-242809-21	L602170-06 MWT-100C	Water	02/05/26 13:48	02/09/26 08:14	Michigan
240-242809-22	L602170-07 Field Blank	Water	02/05/26 08:00	02/09/26 08:14	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602161-01 MW-1 — **Lab Sample ID: 240-242809-1**

No Detections.

Client Sample ID: L602161-02 MW-4 — **Lab Sample ID: 240-242809-2**

No Detections.

Client Sample ID: L602161-03 MW-10 — **Lab Sample ID: 240-242809-3**

No Detections.

Client Sample ID: L602161-04 MW-11 — **Lab Sample ID: 240-242809-4**

No Detections.

Client Sample ID: L602161-05 MW-11B — **Lab Sample ID: 240-242809-5**

No Detections.

Client Sample ID: L602161-06 MW-13 — **Lab Sample ID: 240-242809-6**

No Detections.

Client Sample ID: L602161-07 MW-18A — **Lab Sample ID: 240-242809-7**

No Detections.

Client Sample ID: L602161-08 MW-18B — **Lab Sample ID: 240-242809-8**

No Detections.

Client Sample ID: L602161-09 MW-18C — **Lab Sample ID: 240-242809-9**

No Detections.

Client Sample ID: L602169-01 MW-7B — **Lab Sample ID: 240-242809-10**

No Detections.

Client Sample ID: L602161-10 MW-18D — **Lab Sample ID: 240-242809-11**

No Detections.

Client Sample ID: L602169-02 MW-8 — **Lab Sample ID: 240-242809-12**

No Detections.

Client Sample ID: L602161-11 MWT-18A — **Lab Sample ID: 240-242809-13**

No Detections.

Client Sample ID: L602169-03 MW-9 — **Lab Sample ID: 240-242809-14**

No Detections.

Client Sample ID: L602161-12 Field Blank — **Lab Sample ID: 240-242809-15**

No Detections.

Client Sample ID: L602170-01 MW-15 — **Lab Sample ID: 240-242809-16**

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602170-02 MW-100A — **Lab Sample ID: 240-242809-17**

No Detections.

Client Sample ID: L602170-03 MW-100B — **Lab Sample ID: 240-242809-18**

No Detections.

Client Sample ID: L602170-04 MW-100C — **Lab Sample ID: 240-242809-19**

No Detections.

Client Sample ID: L602170-05 MW-100D — **Lab Sample ID: 240-242809-20**

No Detections.

Client Sample ID: L602170-06 MWT-100C — **Lab Sample ID: 240-242809-21**

No Detections.

Client Sample ID: L602170-07 Field Blank — **Lab Sample ID: 240-242809-22**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602161-01 MW-1

Date Collected: 02/04/26 15:00
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-1

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0746	U	0.0710	0.0714	1.00	0.111	pCi/L	02/11/26 07:44	03/05/26 14:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*30 - 110*	*02/11/26 07:44*	*03/05/26 14:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.867**		0.429	0.437	1.00	0.600	pCi/L	02/11/26 07:51	02/19/26 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:07*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:07*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.942**		0.435	0.443	5.00	0.600	pCi/L		03/09/26 07:59	1

Client Sample ID: L602161-02 MW-4
Date Collected: 02/04/26 16:50
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.154		0.0939	0.0950	1.00	0.132	pCi/L	02/11/26 07:44	03/05/26 14:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*02/11/26 07:44*	*03/05/26 14:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.987		0.440	0.449	1.00	0.594	pCi/L	02/11/26 07:51	02/19/26 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:08*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.14		0.450	0.459	5.00	0.594	pCi/L		03/09/26 07:59	1

Client Sample ID: L602161-03 MW-10
Date Collected: 02/04/26 16:46
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0897	U	0.0784	0.0788	1.00	0.120	pCi/L	02/11/26 07:44	03/05/26 14:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.2*		*30 - 110*	*02/11/26 07:44*	*03/05/26 14:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.914**		0.448	0.456	1.00	0.625	pCi/L	02/11/26 07:51	02/19/26 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.2*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:08*	*1*
Y Carrier	*82.2*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.00**		0.455	0.463	5.00	0.625	pCi/L		03/09/26 07:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602161-04 MW-11
Date Collected: 02/04/26 09:35
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.296		0.145	0.147	1.00	0.182	pCi/L	02/11/26 07:44	03/05/26 14:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*02/11/26 07:44*	*03/05/26 14:25*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.784	U	0.604	0.609	1.00	0.937	pCi/L	02/23/26 08:25	02/26/26 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:08*	*1*
Y Carrier	*77.4*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.22	U	1.08	1.08	5.00	1.75	pCi/L		03/09/26 07:59	1

Client Sample Results

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602161-05 MW-11B

Date Collected: 02/04/26 12:05
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-5

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.531**		0.134	0.142	1.00	0.106	pCi/L	02/11/26 07:44	03/05/26 14:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.5*		*30 - 110*	*02/11/26 07:44*	*03/05/26 14:25*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.616	U	0.431	0.435	1.00	0.654	pCi/L	02/11/26 07:51	02/19/26 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.5*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:08*	*1*
Y Carrier	*81.1*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.15**		0.451	0.458	5.00	0.654	pCi/L		03/09/26 07:59	1

Client Sample ID: L602161-06 MW-13
Date Collected: 02/04/26 09:16
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-6
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0865		0.0545	0.0550	1.00	0.0671	pCi/L	02/11/26 07:44	03/05/26 14:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*02/11/26 07:44*	*03/05/26 14:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.731		0.438	0.443	1.00	0.646	pCi/L	02/11/26 07:51	02/19/26 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:08*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.818		0.441	0.446	5.00	0.646	pCi/L		03/09/26 07:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602161-07 MW-18A
Date Collected: 02/04/26 11:37
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-7
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.200		0.0860	0.0879	1.00	0.0921	pCi/L	02/11/26 07:44	03/06/26 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.4*		*30 - 110*	*02/11/26 07:44*	*03/06/26 09:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.945		0.441	0.450	1.00	0.596	pCi/L	02/11/26 07:51	02/19/26 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.4*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:10*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.14		0.449	0.459	5.00	0.596	pCi/L		03/09/26 07:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602161-08 MW-18B

Date Collected: 02/04/26 13:06
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-8

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.370		0.129	0.133	1.00	0.139	pCi/L	02/11/26 07:44	03/05/26 16:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.1*		*30 - 110*	*02/11/26 07:44*	*03/05/26 16:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.25		0.570	0.607	1.00	0.588	pCi/L	02/23/26 08:25	02/26/26 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:08*	*1*
Y Carrier	*77.4*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.62		0.898	0.907	5.00	1.35	pCi/L		03/09/26 07:59	1

Client Sample ID: L602161-09 MW-18C

Date Collected: 02/04/26 14:15
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-9

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.886		0.171	0.189	1.00	0.111	pCi/L	02/11/26 07:44	03/05/26 16:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.1*		*30 - 110*	*02/11/26 07:44*	*03/05/26 16:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.70		0.497	0.522	1.00	0.560	pCi/L	02/23/26 08:25	02/26/26 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:08*	*1*
Y Carrier	*79.3*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.59		0.947	0.963	5.00	1.34	pCi/L		03/09/26 07:59	1

Client Sample ID: L602169-01 MW-7B
Date Collected: 02/05/26 13:35
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-10
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.225		0.0098	0.102	1.00	0.118	pCi/L	02/11/26 07:44	03/05/26 16:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*02/11/26 07:44*	*03/05/26 16:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.742		0.475	0.480	1.00	0.709	pCi/L	02/11/26 07:51	02/19/26 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:10*	*1*
Y Carrier	*75.5*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.967		0.485	0.491	5.00	0.709	pCi/L		03/09/26 07:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602161-10 MW-18D
Date Collected: 02/04/26 15:26
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-11
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.259		0.115	0.117	1.00	0.144	pCi/L	02/11/26 07:44	03/05/26 16:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.1*		*30 - 110*	*02/11/26 07:44*	*03/05/26 16:03*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.813		0.465	0.471	1.00	0.674	pCi/L	02/11/26 07:51	02/19/26 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.1*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:10*	*1*
Y Carrier	*83.0*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.07		0.479	0.485	5.00	0.674	pCi/L		03/09/26 07:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602169-02 MW-8
Date Collected: 02/05/26 11:35
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-12
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0915	U	0.0845	0.0849	1.00	0.131	pCi/L	02/11/26 07:44	03/05/26 16:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*30 - 110*	*02/11/26 07:44*	*03/05/26 16:15*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.578	U	0.393	0.396	1.00	0.588	pCi/L	02/11/26 07:51	02/19/26 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:10*	*1*
Y Carrier	*80.7*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.670**		0.402	0.405	5.00	0.588	pCi/L		03/09/26 07:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602161-11 MWT-18A
Date Collected: 02/04/26 11:37
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-13
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.327		0.107	0.111	1.00	0.101	pCi/L	02/11/26 07:44	03/05/26 16:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.4*		*30 - 110*	*02/11/26 07:44*	*03/05/26 16:15*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.31		0.431	0.448	1.00	0.480	pCi/L	02/23/26 08:25	02/26/26 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:08*	*1*
Y Carrier	*77.8*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.37		0.769	0.776	5.00	1.17	pCi/L		03/09/26 07:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602169-03 MW-9
Date Collected: 02/05/26 09:30
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-14
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.218		0.0924	0.0945	1.00	0.106	pCi/L	02/11/26 07:44	03/05/26 16:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*30 - 110*	*02/11/26 07:44*	*03/05/26 16:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.838		0.448	0.455	1.00	0.647	pCi/L	02/11/26 07:51	02/19/26 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:11*	*1*
Y Carrier	*82.2*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.06		0.457	0.465	5.00	0.647	pCi/L		03/09/26 07:59	1

Client Sample ID: L602161-12 Field Blank

Lab Sample ID: 240-242809-15

Date Collected: 02/04/26 08:15

Matrix: Water

Date Received: 02/09/26 08:14

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0983	U	0.0850	0.0854	1.00	0.131	pCi/L	02/11/26 07:44	03/05/26 16:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*02/11/26 07:44*	*03/05/26 16:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.292	U	0.350	0.352	1.00	0.579	pCi/L	02/11/26 07:51	02/19/26 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:11*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/11/26 07:51*	*02/19/26 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.390	U	0.360	0.362	5.00	0.579	pCi/L		03/09/26 08:03	1

Client Sample ID: L602170-01 MW-15

Date Collected: 02/05/26 09:05
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-16

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.294**		0.106	0.110	1.00	0.117	pCi/L	02/11/26 07:44	03/05/26 16:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*02/11/26 07:44*	*03/05/26 16:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.597	U	0.462	0.465	1.00	0.723	pCi/L	02/23/26 08:25	02/26/26 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:08*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.655	U	0.696	0.698	5.00	1.19	pCi/L		03/09/26 08:03	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602170-02 MW-100A
Date Collected: 02/05/26 16:04
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-17
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.258		0.0995	0.102	1.00	0.100	pCi/L	02/11/26 07:53	03/05/26 17:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*02/11/26 07:53*	*03/05/26 17:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.669		0.403	0.408	1.00	0.587	pCi/L	02/11/26 07:56	02/23/26 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*02/11/26 07:56*	*02/23/26 12:20*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/11/26 07:56*	*02/23/26 12:20*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.927		0.415	0.421	5.00	0.587	pCi/L		03/09/26 07:59	1

Client Sample ID: L602170-03 MW-100B

Date Collected: 02/05/26 12:23
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-18

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.209		0.0900	0.0920	1.00	0.0963	pCi/L	02/11/26 07:53	03/05/26 17:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.2*		*30 - 110*	*02/11/26 07:53*	*03/05/26 17:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.814		0.389	0.396	1.00	0.516	pCi/L	02/11/26 07:56	02/23/26 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.2*		*30 - 110*	*02/11/26 07:56*	*02/23/26 12:20*	*1*
Y Carrier	*80.0*		*30 - 110*	*02/11/26 07:56*	*02/23/26 12:20*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.02		0.399	0.407	5.00	0.516	pCi/L		03/09/26 07:59	1

Client Sample Results

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602170-04 MW-100C

Lab Sample ID: 240-242809-19

Date Collected: 02/05/26 13:48

Matrix: Water

Date Received: 02/09/26 08:14

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.158**		0.0766	0.0779	1.00	0.0855	pCi/L	02/11/26 07:53	03/05/26 17:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*02/11/26 07:53*	*03/05/26 17:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.309	U	0.291	0.293	1.00	0.461	pCi/L	02/11/26 07:56	02/23/26 12:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*02/11/26 07:56*	*02/23/26 12:32*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/11/26 07:56*	*02/23/26 12:32*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.467**		0.301	0.303	5.00	0.461	pCi/L		03/09/26 07:59	1

Client Sample ID: L602170-05 MW-100D

Date Collected: 02/05/26 15:22
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-20

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0361	U	0.0548	0.0549	1.00	0.0946	pCi/L	02/11/26 07:53	03/05/26 17:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.8*		*30 - 110*	*02/11/26 07:53*	*03/05/26 17:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.152	U	0.346	0.347	1.00	0.687	pCi/L	02/11/26 07:56	02/23/26 12:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.8*		*30 - 110*	*02/11/26 07:56*	*02/23/26 12:32*	*1*
Y Carrier	*80.7*		*30 - 110*	*02/11/26 07:56*	*02/23/26 12:32*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0361	U	0.350	0.351	5.00	0.687	pCi/L		03/09/26 07:59	1

Client Sample ID: L602170-06 MWT-100C
Date Collected: 02/05/26 13:48
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-21
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.249**		0.102	0.104	1.00	0.112	pCi/L	02/11/26 07:53	03/05/26 18:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*02/11/26 07:53*	*03/05/26 18:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.365	U	0.378	0.380	1.00	0.613	pCi/L	02/11/26 07:56	02/23/26 12:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*02/11/26 07:56*	*02/23/26 12:32*	*1*
Y Carrier	*79.3*		*30 - 110*	*02/11/26 07:56*	*02/23/26 12:32*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.614**		0.392	0.394	5.00	0.613	pCi/L		03/09/26 07:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602170-07 Field Blank
Date Collected: 02/05/26 08:00
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-22
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0250	U	0.0631	0.0632	1.00	0.115	pCi/L	02/11/26 07:53	03/05/26 18:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*02/11/26 07:53*	*03/05/26 18:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.270	U	0.353	0.354	1.00	0.588	pCi/L	02/11/26 07:56	02/23/26 12:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*02/11/26 07:56*	*02/23/26 12:32*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/11/26 07:56*	*02/23/26 12:32*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.295	U	0.359	0.360	5.00	0.588	pCi/L		03/09/26 07:59	1

Tracer/Carrier Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)						
		Ba						
Lab Sample ID	Client Sample ID	(30-110)						
240-242809-1	L602161-01 MW-1	84.9						
240-242809-2	L602161-02 MW-4	86.1						
240-242809-3	L602161-03 MW-10	85.2						
240-242809-4	L602161-04 MW-11	80.7						
240-242809-5	L602161-05 MW-11B	79.5						
240-242809-6	L602161-06 MW-13	84.1						
240-242809-6 DU	L602161-06 MW-13	85.8						
240-242809-7	L602161-07 MW-18A	82.4						
240-242809-8	L602161-08 MW-18B	76.1						
240-242809-9	L602161-09 MW-18C	80.1						
240-242809-10	L602169-01 MW-7B	80.7						
240-242809-11	L602161-10 MW-18D	80.1						
240-242809-12	L602169-02 MW-8	84.9						
240-242809-13	L602161-11 MWT-18A	84.4						
240-242809-14	L602169-03 MW-9	89.5						
240-242809-15	L602161-12 Field Blank	85.8						
240-242809-16	L602170-01 MW-15	88.1						
240-242809-17	L602170-02 MW-100A	83.8						
240-242809-18	L602170-03 MW-100B	85.2						
240-242809-18 DU	L602170-03 MW-100B	87.5						
240-242809-19	L602170-04 MW-100C	93.5						
240-242809-20	L602170-05 MW-100D	77.8						
240-242809-21	L602170-06 MWT-100C	86.4						
240-242809-22	L602170-07 Field Blank	90.3						
LCS 160-757160/2-A	Lab Control Sample	87.2						
LCS 160-757162/2-A	Lab Control Sample	85.2						
MB 160-757160/1-A	Method Blank	88.6						
MB 160-757162/1-A	Method Blank	85.2						

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)							
		Ba	Y						
Lab Sample ID	Client Sample ID	(30-110)	(30-110)						
240-242809-1	L602161-01 MW-1	84.9	83.4						
240-242809-2	L602161-02 MW-4	86.1	81.5						
240-242809-3	L602161-03 MW-10	85.2	82.2						
240-242809-4	L602161-04 MW-11	83.8	77.4						
240-242809-5	L602161-05 MW-11B	79.5	81.1						
240-242809-6	L602161-06 MW-13	84.1	83.4						
240-242809-6 DU	L602161-06 MW-13	85.8	82.6						
240-242809-7	L602161-07 MW-18A	82.4	81.5						
240-242809-8	L602161-08 MW-18B	84.9	77.4						
240-242809-9	L602161-09 MW-18C	90.9	79.3						
240-242809-10	L602169-01 MW-7B	80.7	75.5						
240-242809-11	L602161-10 MW-18D	80.1	83.0						

Tracer/Carrier Summary

Client: Lansing Board of Water & Light
Job ID: 240-242809-2
Project/Site: Erickson Projects

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
240-242809-12	L602169-02 MW-8	84.9	80.7
240-242809-13	L602161-11 MWT-18A	90.0	77.8
240-242809-14	L602169-03 MW-9	89.5	82.2
240-242809-15	L602161-12 Field Blank	85.8	84.1
240-242809-16	L602170-01 MW-15	90.0	78.9
240-242809-17	L602170-02 MW-100A	83.8	81.5
240-242809-18	L602170-03 MW-100B	85.2	80.0
240-242809-18 DU	L602170-03 MW-100B	87.5	78.9
240-242809-19	L602170-04 MW-100C	93.5	81.9
240-242809-20	L602170-05 MW-100D	77.8	80.7
240-242809-21	L602170-06 MWT-100C	86.4	79.3
240-242809-22	L602170-07 Field Blank	90.3	83.7
LCS 160-757161/2-B	Lab Control Sample	87.2	81.1
LCS 160-757163/2-A	Lab Control Sample	85.2	80.0
LCS 160-758235/2-A	Lab Control Sample	87.2	84.5
LCSD 160-758235/3-A	Lab Control Sample Dup	86.3	81.5
MB 160-757161/1-B	Method Blank	88.6	82.2
MB 160-757163/1-A	Method Blank	85.2	81.1
MB 160-758235/1-A	Method Blank	84.3	80.0

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-757160/1-A
Matrix: Water
Analysis Batch: 760045

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757160

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.07781	U	0.0618	0.0622	1.00	0.0884	pCi/L	02/11/26 07:44	03/05/26 12:45	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*02/11/26 07:44*	*03/05/26 12:45*	*1*

Lab Sample ID: LCS 160-757160/2-A
Matrix: Water
Analysis Batch: 760045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757160

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	9.349		0.982	1.00	0.0855	pCi/L	98	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.2*		*30 - 110*

Lab Sample ID: 240-242809-6 DU
Matrix: Water
Analysis Batch: 760237

Client Sample ID: L602161-06 MW-13
Prep Type: Total/NA
Prep Batch: 757160

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0865			0.07288	U	0.0621	1.00	0.0909	pCi/L			0.12	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*85.8*		*30 - 110*

Lab Sample ID: MB 160-757162/1-A
Matrix: Water
Analysis Batch: 760045

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757162

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.005994	U	0.0495	0.0495	1.00	0.101	pCi/L	02/11/26 07:53	03/05/26 17:04	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.2*		*30 - 110*	*02/11/26 07:53*	*03/05/26 17:04*	*1*

Lab Sample ID: LCS 160-757162/2-A
Matrix: Water
Analysis Batch: 760045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757162

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	10.39		1.09	1.00	0.0945	pCi/L	109	75 - 125		

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-757162/2-A
Matrix: Water
Analysis Batch: 760045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757162

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	85.2		30 - 110

Lab Sample ID: 240-242809-18 DU
Matrix: Water
Analysis Batch: 760045

Client Sample ID: L602170-03 MW-100B
Prep Type: Total/NA
Prep Batch: 757162

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.209			0.3253		0.109	1.00	0.0902	pCi/L			0.58	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	87.5		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-757161/1-B
Matrix: Water
Analysis Batch: 758029

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757161

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.7744	U	0.558	0.562	1.00	0.834	pCi/L	02/11/26 07:51	02/19/26 16:48	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110	02/11/26 07:51	02/19/26 16:48	1
Y Carrier	82.2		30 - 110	02/11/26 07:51	02/19/26 16:48	1

Lab Sample ID: LCS 160-757161/2-B
Matrix: Water
Analysis Batch: 758029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757161

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.41	10.11		1.63	1.00	0.878	pCi/L	107	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	87.2		30 - 110
Y Carrier	81.1		30 - 110

Lab Sample ID: 240-242809-6 DU
Matrix: Water
Analysis Batch: 758030

Client Sample ID: L602161-06 MW-13
Prep Type: Total/NA
Prep Batch: 757161

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.731			0.5523		0.367	1.00	0.538	pCi/L			0.22	1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 240-242809-6 DU
Matrix: Water
Analysis Batch: 758030

Client Sample ID: L602161-06 MW-13
Prep Type: Total/NA
Prep Batch: 757161

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	85.8		30 - 110
Y Carrier	82.6		30 - 110

Lab Sample ID: MB 160-757163/1-A
Matrix: Water
Analysis Batch: 758393

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757163

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2212	U	0.261	0.262	1.00	0.564	pCi/L	02/11/26 07:56	02/23/26 12:20	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110	02/11/26 07:56	02/23/26 12:20	1
Y Carrier	81.1		30 - 110	02/11/26 07:56	02/23/26 12:20	1

Lab Sample ID: LCS 160-757163/2-A
Matrix: Water
Analysis Batch: 758393

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757163

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.40	10.74		1.47	1.00	0.658	pCi/L	114	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	85.2		30 - 110
Y Carrier	80.0		30 - 110

Lab Sample ID: 240-242809-18 DU
Matrix: Water
Analysis Batch: 758397

Client Sample ID: L602170-03 MW-100B
Prep Type: Total/NA
Prep Batch: 757163

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.814			0.6872		0.397	1.00	0.558	pCi/L			0.16	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	87.5		30 - 110
Y Carrier	78.9		30 - 110

Lab Sample ID: MB 160-758235/1-A
Matrix: Water
Analysis Batch: 758955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758235

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.03448	U	0.297	0.297	1.00	0.572	pCi/L	02/23/26 08:25	02/26/26 12:07	1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-758235/1-A
Matrix: Water
Analysis Batch: 758955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758235

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110	02/23/26 08:25	02/26/26 12:07	1
Y Carrier	80.0		30 - 110	02/23/26 08:25	02/26/26 12:07	1

Lab Sample ID: LCS 160-758235/2-A
Matrix: Water
Analysis Batch: 758955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758235

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.39	11.25		1.47	1.00	0.482	pCi/L	120	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	87.2		30 - 110
Y Carrier	84.5		30 - 110

Lab Sample ID: LCSD 160-758235/3-A
Matrix: Water
Analysis Batch: 758955

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 758235

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			9.39	10.82		1.46	1.00	0.614	pCi/L	115	75 - 125	0.15	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	86.3		30 - 110
Y Carrier	81.5		30 - 110

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Prep Batch: 757160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total/NA	Water	PrecSep-21	
240-242809-2	L602161-02 MW-4	Total/NA	Water	PrecSep-21	
240-242809-3	L602161-03 MW-10	Total/NA	Water	PrecSep-21	
240-242809-4	L602161-04 MW-11	Total/NA	Water	PrecSep-21	
240-242809-5	L602161-05 MW-11B	Total/NA	Water	PrecSep-21	
240-242809-6	L602161-06 MW-13	Total/NA	Water	PrecSep-21	
240-242809-7	L602161-07 MW-18A	Total/NA	Water	PrecSep-21	
240-242809-8	L602161-08 MW-18B	Total/NA	Water	PrecSep-21	
240-242809-9	L602161-09 MW-18C	Total/NA	Water	PrecSep-21	
240-242809-10	L602169-01 MW-7B	Total/NA	Water	PrecSep-21	
240-242809-11	L602161-10 MW-18D	Total/NA	Water	PrecSep-21	
240-242809-12	L602169-02 MW-8	Total/NA	Water	PrecSep-21	
240-242809-13	L602161-11 MWT-18A	Total/NA	Water	PrecSep-21	
240-242809-14	L602169-03 MW-9	Total/NA	Water	PrecSep-21	
240-242809-15	L602161-12 Field Blank	Total/NA	Water	PrecSep-21	
240-242809-16	L602170-01 MW-15	Total/NA	Water	PrecSep-21	
MB 160-757160/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-757160/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
240-242809-6 DU	L602161-06 MW-13	Total/NA	Water	PrecSep-21	

Prep Batch: 757161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total/NA	Water	PrecSep_0	
240-242809-2	L602161-02 MW-4	Total/NA	Water	PrecSep_0	
240-242809-3	L602161-03 MW-10	Total/NA	Water	PrecSep_0	
240-242809-5	L602161-05 MW-11B	Total/NA	Water	PrecSep_0	
240-242809-6	L602161-06 MW-13	Total/NA	Water	PrecSep_0	
240-242809-7	L602161-07 MW-18A	Total/NA	Water	PrecSep_0	
240-242809-10	L602169-01 MW-7B	Total/NA	Water	PrecSep_0	
240-242809-11	L602161-10 MW-18D	Total/NA	Water	PrecSep_0	
240-242809-12	L602169-02 MW-8	Total/NA	Water	PrecSep_0	
240-242809-14	L602169-03 MW-9	Total/NA	Water	PrecSep_0	
240-242809-15	L602161-12 Field Blank	Total/NA	Water	PrecSep_0	
MB 160-757161/1-B	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-757161/2-B	Lab Control Sample	Total/NA	Water	PrecSep_0	
240-242809-6 DU	L602161-06 MW-13	Total/NA	Water	PrecSep_0	

Prep Batch: 757162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-17	L602170-02 MW-100A	Total/NA	Water	PrecSep-21	
240-242809-18	L602170-03 MW-100B	Total/NA	Water	PrecSep-21	
240-242809-19	L602170-04 MW-100C	Total/NA	Water	PrecSep-21	
240-242809-20	L602170-05 MW-100D	Total/NA	Water	PrecSep-21	
240-242809-21	L602170-06 MWT-100C	Total/NA	Water	PrecSep-21	
240-242809-22	L602170-07 Field Blank	Total/NA	Water	PrecSep-21	
MB 160-757162/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-757162/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
240-242809-18 DU	L602170-03 MW-100B	Total/NA	Water	PrecSep-21	

QC Association Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

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Prep Batch: 757163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-17	L602170-02 MW-100A	Total/NA	Water	PrecSep_0	
240-242809-18	L602170-03 MW-100B	Total/NA	Water	PrecSep_0	
240-242809-19	L602170-04 MW-100C	Total/NA	Water	PrecSep_0	
240-242809-20	L602170-05 MW-100D	Total/NA	Water	PrecSep_0	
240-242809-21	L602170-06 MWT-100C	Total/NA	Water	PrecSep_0	
240-242809-22	L602170-07 Field Blank	Total/NA	Water	PrecSep_0	
MB 160-757163/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-757163/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
240-242809-18 DU	L602170-03 MW-100B	Total/NA	Water	PrecSep_0	

Prep Batch: 758235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-4	L602161-04 MW-11	Total/NA	Water	PrecSep_0	
240-242809-8	L602161-08 MW-18B	Total/NA	Water	PrecSep_0	
240-242809-9	L602161-09 MW-18C	Total/NA	Water	PrecSep_0	
240-242809-13	L602161-11 MWT-18A	Total/NA	Water	PrecSep_0	
240-242809-16	L602170-01 MW-15	Total/NA	Water	PrecSep_0	
MB 160-758235/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-758235/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-758235/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602161-01 MW-1

Lab Sample ID: 240-242809-1

Date Collected: 02/04/26 15:00
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760045	SWS	EET SL	03/05/26 14:13
Total/NA	Prep	PrecSep_0			757161	VLQ	EET SL	02/11/26 07:51
Total/NA	Analysis	904.0		1	758030	SWS	EET SL	02/19/26 12:07
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602161-02 MW-4

Lab Sample ID: 240-242809-2

Date Collected: 02/04/26 16:50
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760045	SWS	EET SL	03/05/26 14:13
Total/NA	Prep	PrecSep_0			757161	VLQ	EET SL	02/11/26 07:51
Total/NA	Analysis	904.0		1	758030	SWS	EET SL	02/19/26 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602161-03 MW-10

Lab Sample ID: 240-242809-3

Date Collected: 02/04/26 16:46
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760045	SWS	EET SL	03/05/26 14:13
Total/NA	Prep	PrecSep_0			757161	VLQ	EET SL	02/11/26 07:51
Total/NA	Analysis	904.0		1	758030	SWS	EET SL	02/19/26 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602161-04 MW-11

Lab Sample ID: 240-242809-4

Date Collected: 02/04/26 09:35
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760046	SWS	EET SL	03/05/26 14:25
Total/NA	Prep	PrecSep_0			758235	VLQ	EET SL	02/23/26 08:25
Total/NA	Analysis	904.0		1	758955	SWS	EET SL	02/26/26 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602161-05 MW-11B

Lab Sample ID: 240-242809-5

Date Collected: 02/04/26 12:05
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760046	SWS	EET SL	03/05/26 14:25
Total/NA	Prep	PrecSep_0			757161	VLQ	EET SL	02/11/26 07:51
Total/NA	Analysis	904.0		1	758030	SWS	EET SL	02/19/26 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602161-06 MW-13

Lab Sample ID: 240-242809-6

Date Collected: 02/04/26 09:16
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760044	SWS	EET SL	03/05/26 14:17
Total/NA	Prep	PrecSep_0			757161	VLQ	EET SL	02/11/26 07:51
Total/NA	Analysis	904.0		1	758030	SWS	EET SL	02/19/26 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602161-07 MW-18A

Lab Sample ID: 240-242809-7

Date Collected: 02/04/26 11:37
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760237	SWS	EET SL	03/06/26 09:36
Total/NA	Prep	PrecSep_0			757161	VLQ	EET SL	02/11/26 07:51
Total/NA	Analysis	904.0		1	758030	SWS	EET SL	02/19/26 12:10
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602161-08 MW-18B

Lab Sample ID: 240-242809-8

Date Collected: 02/04/26 13:06
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760046	SWS	EET SL	03/05/26 16:03
Total/NA	Prep	PrecSep_0			758235	VLQ	EET SL	02/23/26 08:25
Total/NA	Analysis	904.0		1	758955	SWS	EET SL	02/26/26 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602161-09 MW-18C

Lab Sample ID: 240-242809-9

Date Collected: 02/04/26 14:15
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760046	SWS	EET SL	03/05/26 16:03
Total/NA	Prep	PrecSep_0			758235	VLQ	EET SL	02/23/26 08:25
Total/NA	Analysis	904.0		1	758955	SWS	EET SL	02/26/26 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602169-01 MW-7B

Lab Sample ID: 240-242809-10

Date Collected: 02/05/26 13:35
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760046	SWS	EET SL	03/05/26 16:03
Total/NA	Prep	PrecSep_0			757161	VLQ	EET SL	02/11/26 07:51
Total/NA	Analysis	904.0		1	758030	SWS	EET SL	02/19/26 12:10
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602161-10 MW-18D

Lab Sample ID: 240-242809-11

Date Collected: 02/04/26 15:26
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760046	SWS	EET SL	03/05/26 16:03
Total/NA	Prep	PrecSep_0			757161	VLQ	EET SL	02/11/26 07:51
Total/NA	Analysis	904.0		1	758030	SWS	EET SL	02/19/26 12:10
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602169-02 MW-8

Lab Sample ID: 240-242809-12

Date Collected: 02/05/26 11:35
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760046	SWS	EET SL	03/05/26 16:15
Total/NA	Prep	PrecSep_0			757161	VLQ	EET SL	02/11/26 07:51
Total/NA	Analysis	904.0		1	758030	SWS	EET SL	02/19/26 12:10
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602161-11 MWT-18A

Lab Sample ID: 240-242809-13

Date Collected: 02/04/26 11:37

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760046	SWS	EET SL	03/05/26 16:15
Total/NA	Prep	PrecSep_0			758235	VLQ	EET SL	02/23/26 08:25
Total/NA	Analysis	904.0		1	758955	SWS	EET SL	02/26/26 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602169-03 MW-9

Lab Sample ID: 240-242809-14

Date Collected: 02/05/26 09:30

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760045	SWS	EET SL	03/05/26 16:08
Total/NA	Prep	PrecSep_0			757161	VLQ	EET SL	02/11/26 07:51
Total/NA	Analysis	904.0		1	758030	SWS	EET SL	02/19/26 12:11
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602161-12 Field Blank

Lab Sample ID: 240-242809-15

Date Collected: 02/04/26 08:15

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760045	SWS	EET SL	03/05/26 16:08
Total/NA	Prep	PrecSep_0			757161	VLQ	EET SL	02/11/26 07:51
Total/NA	Analysis	904.0		1	758030	SWS	EET SL	02/19/26 12:11
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 08:03

Client Sample ID: L602170-01 MW-15

Lab Sample ID: 240-242809-16

Date Collected: 02/05/26 09:05

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757160	VLQ	EET SL	02/11/26 07:44
Total/NA	Analysis	903.0		1	760045	SWS	EET SL	03/05/26 16:08
Total/NA	Prep	PrecSep_0			758235	VLQ	EET SL	02/23/26 08:25
Total/NA	Analysis	904.0		1	758955	SWS	EET SL	02/26/26 12:08
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 08:03

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602170-02 MW-100A

Lab Sample ID: 240-242809-17

Date Collected: 02/05/26 16:04
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757162	VLQ	EET SL	02/11/26 07:53
Total/NA	Analysis	903.0		1	760045	SWS	EET SL	03/05/26 17:40
Total/NA	Prep	PrecSep_0			757163	VLQ	EET SL	02/11/26 07:56
Total/NA	Analysis	904.0		1	758393	MLK	EET SL	02/23/26 12:20
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602170-03 MW-100B

Lab Sample ID: 240-242809-18

Date Collected: 02/05/26 12:23
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757162	VLQ	EET SL	02/11/26 07:53
Total/NA	Analysis	903.0		1	760045	SWS	EET SL	03/05/26 17:40
Total/NA	Prep	PrecSep_0			757163	VLQ	EET SL	02/11/26 07:56
Total/NA	Analysis	904.0		1	758393	MLK	EET SL	02/23/26 12:20
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602170-04 MW-100C

Lab Sample ID: 240-242809-19

Date Collected: 02/05/26 13:48
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757162	VLQ	EET SL	02/11/26 07:53
Total/NA	Analysis	903.0		1	760045	SWS	EET SL	03/05/26 17:40
Total/NA	Prep	PrecSep_0			757163	VLQ	EET SL	02/11/26 07:56
Total/NA	Analysis	904.0		1	758397	MLK	EET SL	02/23/26 12:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602170-05 MW-100D

Lab Sample ID: 240-242809-20

Date Collected: 02/05/26 15:22
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757162	VLQ	EET SL	02/11/26 07:53
Total/NA	Analysis	903.0		1	760045	SWS	EET SL	03/05/26 17:40
Total/NA	Prep	PrecSep_0			757163	VLQ	EET SL	02/11/26 07:56
Total/NA	Analysis	904.0		1	758397	MLK	EET SL	02/23/26 12:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Client Sample ID: L602170-06 MWT-100C

Lab Sample ID: 240-242809-21

Date Collected: 02/05/26 13:48

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757162	VLQ	EET SL	02/11/26 07:53
Total/NA	Analysis	903.0		1	760046	SWS	EET SL	03/05/26 18:00
Total/NA	Prep	PrecSep_0			757163	VLQ	EET SL	02/11/26 07:56
Total/NA	Analysis	904.0		1	758397	MLK	EET SL	02/23/26 12:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Client Sample ID: L602170-07 Field Blank

Lab Sample ID: 240-242809-22

Date Collected: 02/05/26 08:00

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			757162	VLQ	EET SL	02/11/26 07:53
Total/NA	Analysis	903.0		1	760046	SWS	EET SL	03/05/26 18:00
Total/NA	Prep	PrecSep_0			757163	VLQ	EET SL	02/11/26 07:56
Total/NA	Analysis	904.0		1	758397	MLK	EET SL	02/23/26 12:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	760350	FLC	EET SL	03/09/26 07:59

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-2

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-26
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	07-01-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
Georgia (DW)	State	C061	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-26
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-26
Kentucky (DW)	State	KY90125	12-31-26
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-26
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-26
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Hampshire	NELAP	2100	02-04-27
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	04-01-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-26
Oklahoma	NELAP	9997	12-31-26
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-27
Rhode Island	State	LAO00392	12-30-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Vermont	State	VT 87689	03-20-27
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	10-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
Dissolved metals filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Wellfield Project

Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2540C_Calcd Total Dissolved Solids [TDS]	904.0/PrecSep_0 Ra-228 [STD]	200.8/200.8_P_TR Project List (18) [C01]	245.1/245.1_Prep Mercury [MER]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	Ra226_228GFPC_P Combined Ra226&228 [160]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	2540D Solids, Total Suspended (TSS) [TSS]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]		Plastic 1 liter - Nitric Acid	Plastic 500ml - unpreserved	Plastic 500ml - with Nitric Acid	Plastic 500ml - w/ Nitric - Dis.	Plastic 60 mL - unpreserved	Plastic 1 liter - unpreserved	Plastic 250ml - with Nitric Acid	Total Bottles For Sample
1	L602161-01 MW-1	Grab	Water	02/04/26 15:00				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
2	L602161-02 MW-4	Grab	Water	02/04/26 16:50				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
3	L602161-03 MW-10	Grab	Water	02/04/26 16:46				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
4	L602161-04 MW-11	Grab	Water	02/04/26 09:35				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
5	L602161-05 MW-11B	Grab	Water	02/04/26 12:05				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1	1	2	1	1	9
6	L602161-06 MW-13	Grab	Water	02/04/26 09:16				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
7	L602161-07 MW-18A	Grab	Water	02/04/26 11:37				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
8	L602161-08 MW-18B	Grab	Water	02/04/26 13:06				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
9	L602161-09 MW-18C	Grab	Water	02/04/26 14:15				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
10	L602169-01 MW-7B	Grab	Water	02/05/26 13:35				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
11	L602161-10 MW-18D	Grab	Water	02/04/26 15:26				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
12	L602169-02 MW-8	Grab	Water	02/05/26 11:35				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8

Chain of Custody Number: **458152**

*H -- Analysis on hold.

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
Dissolved metals filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Wellfield Project

Site Name:
Erickson Projects

Samples

Methods and Bottles

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2540C_Calcd Total Dissolved Solids [TDS]	904.0/PrecSep_0 Ra-228 [STD]	200.8/200.8_P_TR Project List (18) [C01]	245.1/245.1_Prep Mercury [MER]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	Ra226_228GFPC_P Combined Ra226&228 [160]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	2540D Solids, Total Suspended (TSS) [TSS]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]		Plastic 1 liter - Nitric Acid	Plastic 500ml - unpreserved	Plastic 500ml - with Nitric Acid	Plastic 500ml - w/ Nitric - Dis.	Plastic 60 mL - unpreserved	Plastic 1 liter - unpreserved	Plastic 250ml - with Nitric Acid	Total Bottles For Sample
13	L602161-11 MWT-18A	Grab	Water	02/04/26 11:37				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
14	L602169-03 MW-9	Grab	Water	02/05/26 09:30				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
15	L602161-12 Field Blank	Grab	Water	02/04/26 08:15				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
16	L602170-01 MW-15	Grab	Water	02/05/26 09:05				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
17	L602170-02 MW-100A	Grab	Water	02/05/26 16:04				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
18	L602170-03 MW-100B	Grab	Water	02/05/26 12:23				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
19	L602170-04 MW-100C	Grab	Water	02/05/26 13:48				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
20	L602170-05 MW-100D	Grab	Water	02/05/26 15:22				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
21	L602170-06 MWT-100C	Grab	Water	02/05/26 13:48				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
22	L602170-07 Field Blank	Grab	Water	02/05/26 08:00				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Chain of Custody Number: **458152**

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:	Samples Received By:	Date/Time:
Jennifer Caporale	02/06/26 10:28	Jennifer Caporale	02/06/26 10:28	Melnichenko, Jon	02/07/26 08:13

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260205A001								
MIC20260205A001								
MIC20260205A002								
MIC20260205A003								
MIC20260206A001								
MIC20260206A001								
MIC20260206A003								
MIC20260206A003								
MIC20260206A004								

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name: Jennifer Caporale

Address : 1110 South Pennsylvania

Address 2:

City, State Zip: Lansing, Michigan 48901

Phone: 517-702-6482

Email: Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company: Lansing Board of Water & Light

Purchase Order: Contract number 4600002189

Work Order:

Requested TAT:

Project Number: 24034575

Sample State: MI

Special Instructions: Dissolved metals filtered in field.

Project Manager: Howell, Leslie

Project Reference:

Sampler: Marc Wahrer and Franklin Davis Ray

Description: Erickson Wellfield Project

Site Name: Erickson Projects

G122, M77 out St. Lab? Out Specimet

240-242809 COC

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2540C_Calcd Total Dissolved Solids [TDS]	904.0/PrecSep_0 Ra-228 [STD]	200.8/200.8_P_TR Project List (18) [C01]	245.1/245.1_Prep Mercury [MER]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	Ra226_228GFPC_P Combined Ra226&228 [160]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	2540D Solids, Total Suspended (TSS) [TSS]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]		Plastic 1 liter - Nitric Acid	Plastic 500ml - unpreserved	Plastic 500ml - with Nitric Acid	Plastic 500ml - w/ Nitric - Dis.	Plastic 60 mL - unpreserved	Plastic 1 liter - unpreserved	Plastic 250ml - with Nitric Acid	Total Bottles For Sample
1	L602161-01 MW-1	Grab	Water	02/04/26 15:00				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
2	[redacted]							X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
3	L602161-03 MW-10	Grab	Water	02/04/26 16:46				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
4	[redacted]							X		X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
5	L602161-05 MW-11B	Grab	Water	02/04/26 12:05				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1	1	2	1	1	9
6	[redacted]							X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
7	L602161-07 MW-18A	Grab	Water	02/04/26 11:37				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
8	[redacted]							X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
9	L602161-09 MW-18C	Grab	Water	02/04/26 14:15				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
10	L602169-01 MW-7B	Grab	Water	02/05/26 13:35				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
11	L602161-10 MW-18D	Grab	Water	02/04/26 15:26				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
12	L602169-02 MW-8	Grab	Water	02/05/26 11:35				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8

Chain of Custody Number: 458152

JLH

*H – Analysis on hold.

3/9/2026

Chain of Custody

eurofins | Environment Testing

Contains Rush Work. ☐ Contains Methods That May Expire Soon ☐

Client Contact Info

Name:
Jennifer Caporale

Address
1110 South Pennsylvania

Address 2:

City State Zip:
Lansing, Michigan 48901

Phone:
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Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
Dissolved metals filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Wellfield Project

Site Name:
Erickson Projects

Samples

Methods and Bottles

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2540C_Calcd Total Dissolved Solids [TDS]	904.0/PrecSep_0 Ra-228 [STD]	200.8/200.8_P_TR Project List (18) [C01]	245.1/245.1_Prep Mercury [MER]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	Ra226_228GFPC_P Combined Ra226&228 [160]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	2540D Solids, Total Suspended (TSS) [TSS]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]		Plastic 1 liter Nitric Acid	Plastic 500ml unpreserved	Plastic 500ml with Nitric Acid	Plastic 500ml w/ Nitric Dis.	Plastic 60 mL unpreserved	Plastic 1 liter unpreserved	Plastic 250ml with Nitric Acid	Total Bottles For Sample
13	L602161-11 MWT-18A	Grab	Water	02/04/26 11:37				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
14	L602169-03 MW-9	Grab	Water	02/05/26 09:30				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
15	L602161-12 Field Blank	Grab	Water	02/04/26 08:15				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
16	L602170-01 MW-15	Grab	Water	02/05/26 09:05				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
17	L602170-02 MW-100A	Grab	Water	02/05/26 16:04				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
18	L602170-03 MW-100B	Grab	Water	02/05/26 12:23				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
19	L602170-04 MW-100C	Grab	Water	02/05/26 13:48				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
20	L602170-05 MW-100D	Grab	Water	02/05/26 15:22				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
21	L602170-06 MWT 100C	Grab	Water	02/05/26 13:48				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8
22	L602170-07 Field Blank	Grab	Water	02/05/26 08:00				X	X	X	X	X	X	X	X	X	X	X	X		2	1	1		2	1	1	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Chain of Custody Number: **458152**

JLH 2/7/26 0800

3/9/2026

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client Lansing Board of Water + Light Site Name _____

Cooler unpacked by JLM

Cooler Received on 2/7/26 Opened on 2/7/26

FedEx 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN # 17 (CF +0.7 °C) Observed Cooler Temp ___.___ °C Corrected Cooler Temp ___.___ °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No
	-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
	-Were tamper/custody seals intact and uncompromised?	(Yes) No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes (No)
4	Did custody papers accompany the sample(s)?	(Yes) No
5	Were the custody papers relinquished & signed in the appropriate place?	Yes (No)
6	Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No
7	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?	(Y)
10	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
11	Sufficient quantity received to perform indicated analyses?	(Yes) No
12	Are these work share samples and all listed on the COC?	Yes (No)
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA pH Strip Lot# HC567196
14	Were VOAs on the COC?	Yes (No)
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes No (NA)
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes (No)
17	Was a LL Hg or Me Hg trip blank present? _____	Yes (No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18 CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: BL
Labels Verified by: BH

_____
_____
_____
_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired
Sample(s) _____ were received in a broken container
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory
Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

GHD

Login # _____

3/9/2026

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: _____	1.3	2.0	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	2.7	3.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	2.6	3.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	0.9	1.6	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	0.6	1.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	1.1	1.8	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	1.7	2.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	

2/9/2026

Login Container Summary Report

240-242809

3/9/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602161-01 MW-1	240-242809-A-1	Plastic 1 liter - Nitric Acid	<2			
L602161-01 MW-1	240-242809-B-1	Plastic 1 liter - Nitric Acid	<2			
L602161-01 MW-1	240-242809-C-1	Plastic 500ml - unpreserved				
L602161-01 MW-1	240 242809-D-1	Plastic 500ml - with Nitric Acid	<2			
L602161-01 MW-1	240-242809-E-1	Plastic 60 mL - unpreserved				
L602161-01 MW-1	240-242809-F-1	Plastic 60 mL - unpreserved				
L602161-01 MW-1	240-242809-G-1	Plastic 1 liter - unpreserved				
L602161-01 MW-1	240-242809-H-1	Plastic 250ml - with Nitric Acid	<2			
L602161-02 MW-4	240-242809-A-2	Plastic 1 liter - Nitric Acid	<2			
L602161-02 MW-4	240-242809-B-2	Plastic 1 liter - Nitric Acid	<2			
L602161-02 MW-4	240-242809-C-2	Plastic 500ml - unpreserved				
L602161-02 MW-4	240-242809-D-2	Plastic 500ml - with Nitric Acid	<2			
L602161-02 MW-4	240-242809-E-2	Plastic 60 mL - unpreserved				
L602161-02 MW-4	240-242809-F-2	Plastic 60 mL - unpreserved				
L602161-02 MW-4	240-242809-G-2	Plastic 1 liter - unpreserved				
L602161-02 MW-4	240-242809-H-2	Plastic 250ml - with Nitric Acid	<2			
L602161-03 MW-10	240-242809-A-3	Plastic 1 liter - Nitric Acid	<2			
L602161-03 MW-10	240-242809-B 3	Plastic 1 liter - Nitric Acid	<2			
L602161-03 MW-10	240-242809-C-3	Plastic 500ml - unpreserved				
L602161-03 MW-10	240-242809-D-3	Plastic 500ml - with Nitric Acid	<2			
L602161-03 MW-10	240-242809-E-3	Plastic 60 mL - unpreserved				
L602161-03 MW-10	240-242809-F-3	Plastic 60 mL - unpreserved				
L602161-03 MW-10	240-242809-G-3	Plastic 1 liter - unpreserved				
L602161-03 MW-10	240-242809-H-3	Plastic 250ml - with Nitric Acid	<2			
L602161-04 MW-11	240-242809 A-4	Plastic 1 liter - Nitric Acid	<2			
L602161-04 MW-11	240-242809-B-4	Plastic 1 liter - Nitric Acid	<2			
L602161-04 MW-11	240-242809-C-4	Plastic 500ml - unpreserved				
L602161-04 MW-11	240-242809-D-4	Plastic 500ml - with Nitric Acid	<2			
L602161-04 MW-11	240-242809-E-4	Plastic 60 mL - unpreserved				
L602161-04 MW-11	240-242809-F-4	Plastic 60 mL - unpreserved				
L602161-04 MW-11	240-242809-G-4	Plastic 1 liter - unpreserved				
L602161-04 MW-11	240-242809-H-4	Plastic 250ml - with Nitric Acid	<2			
L602161-05 MW-11B	240-242809-A-5	Plastic 1 liter - Nitric Acid				
L602161-05 MW-11B	240-242809-B-5	Plastic 1 liter - Nitric Acid				
L602161-05 MW-11B	240-242809-C-5	Plastic 500ml - unpreserved				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602161-05 MW-11B	240-242809-D-5	Plastic 500ml - with Nitric Acid				
L602161-05 MW-11B	240-242809-E-5					
L602161-05 MW-11B	240-242809 F-5	Plastic 60 mL - unpreserved				
L602161-05 MW-11B	240-242809-G-5	Plastic 60 mL - unpreserved				
L602161-05 MW-11B	240-242809-H-5	Plastic 1 liter - unpreserved				
L602161-05 MW-11B	240-242809-I-5	Plastic 250ml - with Nitric Acid				
L602161-06 MW-13	240-242809-A-6	Plastic 1 liter - Nitric Acid	<2			
L602161-06 MW-13	240-242809-B-6	Plastic 1 liter - Nitric Acid	<2			
L602161-06 MW-13	240-242809-C-6	Plastic 500ml - unpreserved				
L602161-06 MW-13	240-242809-D-6	Plastic 500ml - with Nitric Acid	<2			
L602161-06 MW-13	240-242809-E-6	Plastic 60 mL - unpreserved				
L602161-06 MW-13	240-242809-F-6	Plastic 60 mL - unpreserved				
L602161-06 MW-13	240-242809-G-6	Plastic 1 liter - unpreserved				
L602161-06 MW-13	240-242809-H-6	Plastic 250ml - with Nitric Acid	<2			
L602161-07 MW-18A	240-242809-A-7	Plastic 1 liter - Nitric Acid	<2			
L602161-07 MW-18A	240-242809-B-7	Plastic 1 liter - Nitric Acid	<2			
L602161-07 MW-18A	240-242809-C-7	Plastic 500ml - unpreserved				
L602161-07 MW-18A	240-242809-D-7	Plastic 500ml - with Nitric Acid	<2			
L602161-07 MW-18A	240-242809-E-7	Plastic 60 mL - unpreserved				
L602161-07 MW-18A	240-242809-F-7	Plastic 60 mL - unpreserved				
L602161-07 MW-18A	240-242809-G-7	Plastic 1 liter - unpreserved				
L602161-07 MW-18A	240-242809-H-7	Plastic 250ml - with Nitric Acid	<2			
L602161-08 MW-18B	240-242809-A-8	Plastic 1 liter - Nitric Acid	<2			
L602161-08 MW-18B	240 242809-B-8	Plastic 1 liter - Nitric Acid	<2			
L602161-08 MW-18B	240-242809-C-8	Plastic 500ml - unpreserved				
L602161-08 MW-18B	240-242809-D-8	Plastic 500ml - with Nitric Acid	<2			
L602161-08 MW-18B	240-242809-E-8	Plastic 60 mL - unpreserved				
L602161-08 MW-18B	240-242809-F-8	Plastic 60 mL - unpreserved				
L602161-08 MW 18B	240-242809-G-8	Plastic 1 liter - unpreserved				
L602161-08 MW-18B	240-242809 H 8	Plastic 250ml - with Nitric Acid	<2			
L602161-09 MW-18C	240-242809-A-9	Plastic 1 liter - Nitric Acid	<2			
L602161-09 MW-18C	240-242809 B-9	Plastic 1 liter - Nitric Acid	<2			
L602161-09 MW-18C	240-242809-C-9	Plastic 500ml unpreserved				
L602161-09 MW-18C	240-242809-D-9	Plastic 500ml - with Nitric Acid	<2			
L602161-09 MW-18C	240-242809-E-9	Plastic 60 mL - unpreserved				
L602161-09 MW-18C	240-242809-F-9	Plastic 60 mL - unpreserved				
L602161-09 MW-18C	240-242809-G-9	Plastic 1 liter - unpreserved				
L602161-09 MW-18C	240-242809 H 9	Plastic 250ml - with Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602169-01 MW-7B	240-242809-A-10	Plastic 1 liter - Nitric Acid	<2			
L602169-01 MW-7B	240-242809-B-10	Plastic 1 liter - Nitric Acid	<2			
L602169-01 MW-7B	240-242809-C-10	Plastic 500ml - unpreserved				
L602169-01 MW-7B	240-242809-D-10	Plastic 500ml - with Nitric Acid	<2			
L602169-01 MW-7B	240-242809-E-10	Plastic 60 mL - unpreserved				
L602169-01 MW-7B	240-242809-F-10	Plastic 60 mL - unpreserved				
L602169-01 MW-7B	240-242809-G-10	Plastic 1 liter - unpreserved				
L602169-01 MW-7B	240-242809-H-10	Plastic 250ml - with Nitric Acid	<2			
L602161-10 MW-18D	240-242809-A-11	Plastic 1 liter - Nitric Acid	<2			
L602161-10 MW-18D	240-242809-B 11	Plastic 1 liter - Nitric Acid	<2			
L602161-10 MW-18D	240-242809-C-11	Plastic 500ml - unpreserved				
L602161-10 MW-18D	240-242809-D-11	Plastic 500ml - with Nitric Acid	<2			
L602161-10 MW-18D	240-242809-E-11	Plastic 60 mL - unpreserved				
L602161-10 MW-18D	240-242809-F-11	Plastic 60 mL - unpreserved				
L602161-10 MW-18D	240-242809-G-11	Plastic 1 liter - unpreserved				
L602161-10 MW-18D	240-242809-H-11	Plastic 250ml - with Nitric Acid	<2			
L602169-02 MW 8	240-242809-A-12	Plastic 1 liter - Nitric Acid	<2			
L602169-02 MW-8	240-242809-B-12	Plastic 1 liter - Nitric Acid	<2			
L602169-02 MW-8	240-242809-C-12	Plastic 500ml - unpreserved				
L602169-02 MW-8	240-242809-D-12	Plastic 500ml - with Nitric Acid	<2			
L602169-02 MW-8	240-242809-E-12	Plastic 60 mL - unpreserved				
L602169-02 MW-8	240-242809-F-12	Plastic 60 mL - unpreserved				
L602169-02 MW-8	240-242809-G-12	Plastic 1 liter - unpreserved				
L602169-02 MW-8	240-242809-H-12	Plastic 250ml - with Nitric Acid	<2			
L602161-11 MWT-18A	240-242809-A-13	Plastic 1 liter - Nitric Acid	<2			
L602161 11 MWT-18A	240-242809-B-13	Plastic 1 liter - Nitric Acid	<2			
L602161-11 MWT-18A	240-242809-C-13	Plastic 500ml - unpreserved				
L602161-11 MWT-18A	240-242809-D-13	Plastic 500ml - with Nitric Acid	<2			
L602161-11 MWT-18A	240-242809-E-13	Plastic 60 mL - unpreserved				
L602161-11 MWT-18A	240-242809-F-13	Plastic 60 mL - unpreserved				
L602161-11 MWT-18A	240-242809-G-13	Plastic 1 liter - unpreserved				
L602161-11 MWT-18A	240-242809-H-13	Plastic 250ml - with Nitric Acid	<2			
L602169-03 MW-9	240-242809-A-14	Plastic 1 liter - Nitric Acid	<2			
L602169-03 MW-9	240-242809-B-14	Plastic 1 liter - Nitric Acid	<2			
L602169-03 MW-9	240-242809-C-14	Plastic 500ml - unpreserved				
L602169-03 MW-9	240-242809-D-14	Plastic 500ml - with Nitric Acid	<2			
L602169-03 MW-9	240-242809-E-14	Plastic 60 mL - unpreserved				
L602169-03 MW-9	240-242809-F-14	Plastic 60 mL - unpreserved				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602169-03 MW-9	240-242809-G-14	Plastic 1 liter - unpreserved				
L602169-03 MW-9	240-242809-H-14	Plastic 250ml - with Nitric Acid	<2			
L602161-12 Field Blank	240-242809-A-15	Plastic 1 liter - Nitric Acid	<2			
L602161-12 Field Blank	240-242809-B-15	Plastic 1 liter - Nitric Acid	<2			
L602161-12 Field Blank	240-242809-C-15	Plastic 500ml - unpreserved				
L602161-12 Field Blank	240-242809-D-15	Plastic 500ml - with Nitric Acid	<2			
L602161-12 Field Blank	240-242809-E-15	Plastic 60 mL - unpreserved				
L602161-12 Field Blank	240-242809-F-15	Plastic 60 mL - unpreserved				
L602161-12 Field Blank	240-242809-G-15	Plastic 1 liter - unpreserved				
L602161-12 Field Blank	240-242809-H-15	Plastic 250ml - with Nitric Acid	<2			
L602170-01 MW-15	240-242809-A-16	Plastic 1 liter - Nitric Acid	<2			
L602170-01 MW-15	240-242809-B-16	Plastic 1 liter - Nitric Acid	<2			
L602170-01 MW-15	240-242809-C-16	Plastic 500ml - unpreserved				
L602170-01 MW-15	240-242809-D-16	Plastic 500ml - with Nitric Acid	<2			
L602170-01 MW-15	240-242809-E-16	Plastic 60 mL - unpreserved				
L602170-01 MW-15	240 242809-F-16	Plastic 60 mL - unpreserved				
L602170-01 MW-15	240-242809-G-16	Plastic 1 liter - unpreserved				
L602170-01 MW-15	240-242809-H-16	Plastic 250ml - with Nitric Acid	<2			
L602170-02 MW-100A	240-242809-A-17	Plastic 1 liter - Nitric Acid	<2			
L602170-02 MW-100A	240-242809-B-17	Plastic 1 liter - Nitric Acid	<2			
L602170-02 MW-100A	240-242809-C-17	Plastic 500ml - unpreserved				
L602170-02 MW-100A	240-242809-D-17	Plastic 500ml - with Nitric Acid	<2			
L602170-02 MW-100A	240-242809-E-17	Plastic 60 mL - unpreserved				
L602170-02 MW-100A	240-242809-F-17	Plastic 60 mL - unpreserved				
L602170-02 MW-100A	240-242809-G-17	Plastic 1 liter - unpreserved				
L602170-02 MW-100A	240 242809-H-17	Plastic 250ml - with Nitric Acid	<2			
L602170-03 MW-100B	240-242809-A-18	Plastic 1 liter - Nitric Acid	<2			
L602170-03 MW-100B	240-242809-B-18	Plastic 1 liter - Nitric Acid	<2			
L602170-03 MW-100B	240-242809-C-18	Plastic 500ml - unpreserved				
L602170-03 MW-100B	240-242809-D-18	Plastic 500ml - with Nitric Acid	<2			
L602170-03 MW-100B	240-242809-E-18	Plastic 60 mL - unpreserved				
L602170-03 MW-100B	240-242809-F-18	Plastic 60 mL - unpreserved				
L602170-03 MW-100B	240 242809-G-18	Plastic 1 liter - unpreserved				
L602170-03 MW-100B	240-242809-H-18	Plastic 250ml - with Nitric Acid	<2			
L602170-04 MW-100C	240-242809-A-19	Plastic 1 liter - Nitric Acid	<2			
L602170-04 MW-100C	240-242809 B-19	Plastic 1 liter - Nitric Acid	<2			
L602170-04 MW-100C	240-242809-C-19	Plastic 500ml - unpreserved				
L602170-04 MW-100C	240-242809-D-19	Plastic 500ml - with Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602170-04 MW-100C	240-242809-E-19	Plastic 60 mL - unpreserved				
L602170-04 MW-100C	240-242809-F-19	Plastic 60 mL - unpreserved				
L602170-04 MW-100C	240-242809-G-19	Plastic 1 liter - unpreserved				
L602170-04 MW-100C	240-242809-H-19	Plastic 250ml - with Nitric Acid	<2			
L602170-05 MW-100D	240-242809-A-20	Plastic 1 liter - Nitric Acid	<2			
L602170-05 MW-100D	240-242809-B-20	Plastic 1 liter - Nitric Acid	<2			
L602170-05 MW-100D	240-242809-C-20	Plastic 500ml - unpreserved				
L602170-05 MW-100D	240-242809-D-20	Plastic 500ml - with Nitric Acid	<2			
L602170-05 MW-100D	240-242809-E-20	Plastic 60 mL - unpreserved				
L602170-05 MW-100D	240-242809-F-20	Plastic 60 mL - unpreserved				
L602170-05 MW-100D	240-242809-G-20	Plastic 1 liter - unpreserved				
L602170-05 MW-100D	240-242809-H-20	Plastic 250ml - with Nitric Acid	<2			
L602170-06 MWT-100C	240-242809-A-21	Plastic 1 liter - Nitric Acid	<2			
L602170-06 MWT-100C	240-242809-B-21	Plastic 1 liter - Nitric Acid	<2			
L602170-06 MWT-100C	240-242809-C-21	Plastic 500ml - unpreserved				
L602170-06 MWT-100C	240-242809 D-21	Plastic 500ml - with Nitric Acid	<2			
L602170-06 MWT-100C	240-242809-E-21	Plastic 60 mL - unpreserved				
L602170-06 MWT-100C	240-242809-F-21	Plastic 60 mL - unpreserved				
L602170-06 MWT-100C	240-242809-G-21	Plastic 1 liter - unpreserved				
L602170-06 MWT-100C	240-242809-H-21	Plastic 250ml - with Nitric Acid	<2			
L602170-07 Field Blank	240-242809-A-22	Plastic 1 liter - Nitric Acid	<2			
L602170-07 Field Blank	240-242809-B-22	Plastic 1 liter - Nitric Acid	<2			
L602170-07 Field Blank	240-242809-C-22	Plastic 500ml - unpreserved				
L602170-07 Field Blank	240 242809-D-22	Plastic 500ml - with Nitric Acid	<2			
L602170-07 Field Blank	240-242809-E-22	Plastic 60 mL - unpreserved				
L602170-07 Field Blank	240-242809-F-22	Plastic 60 mL - unpreserved				
L602170-07 Field Blank	240-242809-G-22	Plastic 1 liter - unpreserved				
L602170-07 Field Blank	240-242809-H-22	Plastic 250ml - with Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213987.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 240-242809-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/9/2026			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	Ra226_228GFPC_P	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
L602170-07 Field Blank (240-242809-22)	2/5/26	08:00 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	2/9/26 1500	E			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213986.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 240-242809-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/9/2026			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	Ra226_228GFPC_P	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
L602161-01 MW-1 (240-242809-1)	2/4/26	15:00 Eastern	G	Water			X	X	X	2	
L602161-02 MW-4 (240-242809-2)	2/4/26	16:50 Eastern	G	Water			X	X	X	2	
L602161-03 MW-10 (240-242809-3)	2/4/26	16:46 Eastern	G	Water			X	X	X	2	
L602161-04 MW-11 (240-242809-4)	2/4/26	09:35 Eastern	G	Water			X	X	X	2	
L602161-05 MW-11B (240-242809-5)	2/4/26	12:05 Eastern	G	Water			X	X	X	2	
L602161-06 MW-13 (240-242809-6)	2/4/26	09:16 Eastern	G	Water			X	X	X	2	
L602161-07 MW-18A (240-242809-7)	2/4/26	11:37 Eastern	G	Water			X	X	X	2	
L602161-08 MW-18B (240-242809-8)	2/4/26	13:06 Eastern	G	Water			X	X	X	2	
L602161-09 MW-18C (240-242809-9)	2/4/26	14:15 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/9/26 1500			0940 2/10/26	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213986.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 240-242809-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/9/2026			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	Ra226_228GFPC_P	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
L602169-01 MW-7B (240-242809-10)	2/5/26	13:35 Eastern	G	Water			X	X	X	2	
L602161-10 MW-18D (240-242809-11)	2/4/26	15:26 Eastern	G	Water			X	X	X	2	
L602169-02 MW-8 (240-242809-12)	2/5/26	11:35 Eastern	G	Water			X	X	X	2	
L602161-11 MWT-18A (240-242809-13)	2/4/26	11:37 Eastern	G	Water			X	X	X	2	
L602169-03 MW-9 (240-242809-14)	2/5/26	09:30 Eastern	G	Water			X	X	X	2	
L602161-12 Field Blank (240-242809-15)	2/4/26	08:15 Eastern	G	Water			X	X	X	2	
L602170-01 MW-15 (240-242809-16)	2/5/26	09:05 Eastern	G	Water			X	X	X	2	
L602170-02 MW-100A (240-242809-17)	2/5/26	16:04 Eastern	G	Water			X	X	X	2	
L602170-03 MW-100B (240-242809-18)	2/5/26	12:23 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 2/4/26 1500	Company	Received by:	Date/Time: 0940 2/10/26	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-213986.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 240-242809-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/9/2026			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	904.0/PrecSep_0Standard Target List	Ra226_228GFPC_P	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
L602170-04 MW-100C (240-242809-19)	2/5/26	13:48 Eastern	G	Water			X	X	X	2	
L602170-05 MW-100D (240-242809-20)	2/5/26	15:22 Eastern	G	Water			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/9/26 1500	L-7		2/10/26 0940	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-242809-2

Login Number: 242809
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 02/10/26 01:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

Generated 4/2/2026 4:48:04 PM

JOB DESCRIPTION

Erickson Projects

JOB NUMBER

240-242809-3

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

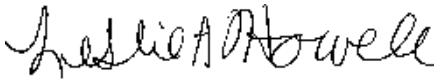
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

Table of Contents

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Client: Lansing Board of Water & Light
Job ID: 240-242809-3
Project/Site: Erickson Projects

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-242809-3 — Eurofins Cleveland

Job Narrative
240-242809-3

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/9/2026 8:14 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.3°C, 1.6°C, 1.8°C, 2.0°C, 2.4°C, 3.3°C and 3.4°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Method	Method Description	Protocol	Laboratory
2340 B-2021	Total Hardness (as CaCO3) by calculation	SM	EET CLE

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-242809-1	L602161-01 MW-1	Water	02/04/26 15:00	02/09/26 08:14	Michigan
240-242809-2	L602161-02 MW-4	Water	02/04/26 16:50	02/09/26 08:14	Michigan
240-242809-3	L602161-03 MW-10	Water	02/04/26 16:46	02/09/26 08:14	Michigan
240-242809-4	L602161-04 MW-11	Water	02/04/26 09:35	02/09/26 08:14	Michigan
240-242809-5	L602161-05 MW-11B	Water	02/04/26 12:05	02/09/26 08:14	Michigan
240-242809-6	L602161-06 MW-13	Water	02/04/26 09:16	02/09/26 08:14	Michigan
240-242809-7	L602161-07 MW-18A	Water	02/04/26 11:37	02/09/26 08:14	Michigan
240-242809-8	L602161-08 MW-18B	Water	02/04/26 13:06	02/09/26 08:14	Michigan
240-242809-9	L602161-09 MW-18C	Water	02/04/26 14:15	02/09/26 08:14	Michigan
240-242809-10	L602169-01 MW-7B	Water	02/05/26 13:35	02/09/26 08:14	Michigan
240-242809-11	L602161-10 MW-18D	Water	02/04/26 15:26	02/09/26 08:14	Michigan
240-242809-12	L602169-02 MW-8	Water	02/05/26 11:35	02/09/26 08:14	Michigan
240-242809-13	L602161-11 MWT-18A	Water	02/04/26 11:37	02/09/26 08:14	Michigan
240-242809-14	L602169-03 MW-9	Water	02/05/26 09:30	02/09/26 08:14	Michigan
240-242809-15	L602161-12 Field Blank	Water	02/04/26 08:15	02/09/26 08:14	Michigan
240-242809-16	L602170-01 MW-15	Water	02/05/26 09:05	02/09/26 08:14	Michigan
240-242809-17	L602170-02 MW-100A	Water	02/05/26 16:04	02/09/26 08:14	Michigan
240-242809-18	L602170-03 MW-100B	Water	02/05/26 12:23	02/09/26 08:14	Michigan
240-242809-19	L602170-04 MW-100C	Water	02/05/26 13:48	02/09/26 08:14	Michigan
240-242809-20	L602170-05 MW-100D	Water	02/05/26 15:22	02/09/26 08:14	Michigan
240-242809-21	L602170-06 MWT-100C	Water	02/05/26 13:48	02/09/26 08:14	Michigan
240-242809-22	L602170-07 Field Blank	Water	02/05/26 08:00	02/09/26 08:14	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-01 MW-1 — Lab Sample ID: 240-242809-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	630		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602161-02 MW-4 — Lab Sample ID: 240-242809-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	430		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602161-03 MW-10 — Lab Sample ID: 240-242809-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	400		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602161-04 MW-11 — Lab Sample ID: 240-242809-4

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	500		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602161-05 MW-11B — Lab Sample ID: 240-242809-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	270		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602161-06 MW-13 — Lab Sample ID: 240-242809-6

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	590		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602161-07 MW-18A — Lab Sample ID: 240-242809-7

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	290		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602161-08 MW-18B — Lab Sample ID: 240-242809-8

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	560		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602161-09 MW-18C — Lab Sample ID: 240-242809-9

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	600		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602169-01 MW-7B — Lab Sample ID: 240-242809-10

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-10 MW-18D — Lab Sample ID: 240-242809-11

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	200		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602169-02 MW-8 — Lab Sample ID: 240-242809-12

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	410		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602161-11 MWT-18A — Lab Sample ID: 240-242809-13

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	300		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602169-03 MW-9 — Lab Sample ID: 240-242809-14

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	330		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602161-12 Field Blank — Lab Sample ID: 240-242809-15

No Detections.

Client Sample ID: L602170-01 MW-15 — Lab Sample ID: 240-242809-16

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	450		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602170-02 MW-100A — Lab Sample ID: 240-242809-17

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	360		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602170-03 MW-100B — Lab Sample ID: 240-242809-18

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	340		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602170-04 MW-100C — Lab Sample ID: 240-242809-19

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	230		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602170-05 MW-100D — Lab Sample ID: 240-242809-20

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	83		33	33	mg/L	1		2340 B-2021	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602170-06 MWT-100C — Lab Sample ID: 240-242809-21

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	230		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602170-07 Field Blank — Lab Sample ID: 240-242809-22

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-01 MW-1
Date Collected: 02/04/26 15:00
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-1
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	630		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-02 MW-4
Date Collected: 02/04/26 16:50
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-2
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	430		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-03 MW-10
Date Collected: 02/04/26 16:46
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-3
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	400		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-04 MW-11
Date Collected: 02/04/26 09:35
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-4
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	500		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-05 MW-11B
Date Collected: 02/04/26 12:05
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-5
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	270		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-06 MW-13
Date Collected: 02/04/26 09:16
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-6
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	590		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-07 MW-18A
Date Collected: 02/04/26 11:37
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-7
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	290		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-08 MW-18B
Date Collected: 02/04/26 13:06
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-8
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	560		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-09 MW-18C
Date Collected: 02/04/26 14:15
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-9
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	600		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602169-01 MW-7B
Date Collected: 02/05/26 13:35
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-10
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-10 MW-18D
Date Collected: 02/04/26 15:26
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-11
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	200		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602169-02 MW-8
Date Collected: 02/05/26 11:35
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-12
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	410		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-11 MWT-18A
Date Collected: 02/04/26 11:37
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-13
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	300		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602169-03 MW-9
Date Collected: 02/05/26 09:30
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-14
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	330		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-12 Field Blank
Date Collected: 02/04/26 08:15
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-15
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602170-01 MW-15
Date Collected: 02/05/26 09:05
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-16
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	450		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602170-02 MW-100A
Date Collected: 02/05/26 16:04
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-17
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	360		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602170-03 MW-100B
Date Collected: 02/05/26 12:23
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-18
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	340		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602170-04 MW-100C
Date Collected: 02/05/26 13:48
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-19
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	230		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602170-05 MW-100D
Date Collected: 02/05/26 15:22
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-20
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	83		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602170-06 MWT-100C
Date Collected: 02/05/26 13:48
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-21
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	230		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602170-07 Field Blank
Date Collected: 02/05/26 08:00
Date Received: 02/09/26 08:14

Lab Sample ID: 240-242809-22
Matrix: Water

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		33	33	mg/L			04/02/26 16:33	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Metals

Analysis Batch: 696162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242809-1	L602161-01 MW-1	Total Recoverable	Water	2340 B-2021	
240-242809-2	L602161-02 MW-4	Total Recoverable	Water	2340 B-2021	
240-242809-3	L602161-03 MW-10	Total Recoverable	Water	2340 B-2021	
240-242809-4	L602161-04 MW-11	Total Recoverable	Water	2340 B-2021	
240-242809-5	L602161-05 MW-11B	Total Recoverable	Water	2340 B-2021	
240-242809-6	L602161-06 MW-13	Total Recoverable	Water	2340 B-2021	
240-242809-7	L602161-07 MW-18A	Total Recoverable	Water	2340 B-2021	
240-242809-8	L602161-08 MW-18B	Total Recoverable	Water	2340 B-2021	
240-242809-9	L602161-09 MW-18C	Total Recoverable	Water	2340 B-2021	
240-242809-10	L602169-01 MW-7B	Total Recoverable	Water	2340 B-2021	
240-242809-11	L602161-10 MW-18D	Total Recoverable	Water	2340 B-2021	
240-242809-12	L602169-02 MW-8	Total Recoverable	Water	2340 B-2021	
240-242809-13	L602161-11 MWT-18A	Total Recoverable	Water	2340 B-2021	
240-242809-14	L602169-03 MW-9	Total Recoverable	Water	2340 B-2021	
240-242809-15	L602161-12 Field Blank	Total Recoverable	Water	2340 B-2021	
240-242809-16	L602170-01 MW-15	Total Recoverable	Water	2340 B-2021	
240-242809-17	L602170-02 MW-100A	Total Recoverable	Water	2340 B-2021	
240-242809-18	L602170-03 MW-100B	Total Recoverable	Water	2340 B-2021	
240-242809-19	L602170-04 MW-100C	Total Recoverable	Water	2340 B-2021	
240-242809-20	L602170-05 MW-100D	Total Recoverable	Water	2340 B-2021	
240-242809-21	L602170-06 MWT-100C	Total Recoverable	Water	2340 B-2021	
240-242809-22	L602170-07 Field Blank	Total Recoverable	Water	2340 B-2021	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-01 MW-1

Lab Sample ID: 240-242809-1

Date Collected: 02/04/26 15:00
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602161-02 MW-4

Lab Sample ID: 240-242809-2

Date Collected: 02/04/26 16:50
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602161-03 MW-10

Lab Sample ID: 240-242809-3

Date Collected: 02/04/26 16:46
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602161-04 MW-11

Lab Sample ID: 240-242809-4

Date Collected: 02/04/26 09:35
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602161-05 MW-11B

Lab Sample ID: 240-242809-5

Date Collected: 02/04/26 12:05
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602161-06 MW-13

Lab Sample ID: 240-242809-6

Date Collected: 02/04/26 09:16
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602161-07 MW-18A

Lab Sample ID: 240-242809-7

Date Collected: 02/04/26 11:37
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-08 MW-18B
Lab Sample ID: 240-242809-8
Date Collected: 02/04/26 13:06
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602161-09 MW-18C
Lab Sample ID: 240-242809-9
Date Collected: 02/04/26 14:15
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602169-01 MW-7B
Lab Sample ID: 240-242809-10
Date Collected: 02/05/26 13:35
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602161-10 MW-18D
Lab Sample ID: 240-242809-11
Date Collected: 02/04/26 15:26
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602169-02 MW-8
Lab Sample ID: 240-242809-12
Date Collected: 02/05/26 11:35
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602161-11 MWT-18A
Lab Sample ID: 240-242809-13
Date Collected: 02/04/26 11:37
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602169-03 MW-9
Lab Sample ID: 240-242809-14
Date Collected: 02/05/26 09:30
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602161-12 Field Blank
Lab Sample ID: 240-242809-15
Date Collected: 02/04/26 08:15
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602170-01 MW-15
Lab Sample ID: 240-242809-16
Date Collected: 02/05/26 09:05
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602170-02 MW-100A
Lab Sample ID: 240-242809-17
Date Collected: 02/05/26 16:04
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602170-03 MW-100B
Lab Sample ID: 240-242809-18
Date Collected: 02/05/26 12:23
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602170-04 MW-100C
Lab Sample ID: 240-242809-19
Date Collected: 02/05/26 13:48
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602170-05 MW-100D
Lab Sample ID: 240-242809-20
Date Collected: 02/05/26 15:22
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Client Sample ID: L602170-06 MWT-100C
Lab Sample ID: 240-242809-21
Date Collected: 02/05/26 13:48
Matrix: Water
Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Client Sample ID: L602170-07 Field Blank

Lab Sample ID: 240-242809-22

Date Collected: 02/05/26 08:00

Matrix: Water

Date Received: 02/09/26 08:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340 B-2021		1	696162	KLC	EET CLE	04/02/26 16:33

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-242809-3

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-27

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

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JOB DESCRIPTION

Erickson Project - MNA Tier II Geochem

JOB NUMBER

240-242959-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

my EOL

Job Notes

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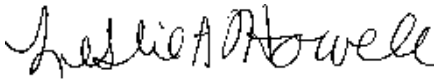
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Revision 2

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Definitions/Glossary

Client: Lansing Board of Water & Light
Job ID: 240-242959-1
Project/Site: Erickson Project - MNA Tier II Geochem

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-242959-1 — Eurofins Cleveland

Job Narrative
240-242959-1

Comments

A revised report was provided on March 3, 2026. The job narrative was corrected for sulfide analysis. The COC scan was also corrected.

Receipt
The samples were received on 2/12/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 0.9°C, 1.9°C, 2.9°C, 3.4°C, 3.8°C, 4.1°C, 4.1°C and 4.1°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method SM4500 NO3 D: MB time is approximately 12:08pm. MB had a transcription error of "244..6" for a mV reading, when fixing mV reading to "244.6" a new time stamp was associated leading to a read back time error. MB was read between 12:02 and 12:16pm.

Method SM 4500 S2 D: All samples for sulfide analysis were subcontracted to Eurofins CalScience. The samples were received past the 7 day holding time at CalScience.

Method SM 4500 S2 D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 570-700378 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Job ID: 240-242959-1
Project/Site: Erickson Project - MNA Tier II Geochem

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET SSM
200.8	Metals (ICP/MS)	EPA	EET SSM
200.8-1994 R5.4	Metals (ICP/MS)	EPA	EET CLE
5310 C-2014	Total Organic Carbon/Persulfate - Ultrav	SM	EET CLE
SM 4500 NO2 B	Nitrogen, Nitrite	SM	EET MI
SM 4500 S2 D	Sulfide, Total	SM	EET CAL 4
SM4500 NO3 D	Nitrogen, Nitrate	SM	EET MI
200.7	Preparation, Total Metals	EPA	EET SSM
200.8	Preparation, Total Metals	EPA	EET SSM
200.8-1994 R5.4	Preparation, Total Recoverable Metals	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-242959-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-242959-1	L602182-01 MW-2	Water	02/10/26 14:45	02/12/26 08:00	Michigan
240-242959-2	L602182-02 MW-3	Water	02/10/26 12:20	02/12/26 08:00	Michigan
240-242959-3	L602182-03 MW-6	Water	02/10/26 16:25	02/12/26 08:00	Michigan
240-242959-4	L602182-04 MW-7C	Water	02/10/26 17:27	02/12/26 08:00	Michigan
240-242959-5	L602182-05 MW-12	Water	02/10/26 17:00	02/12/26 08:00	Michigan
240-242959-6	L602182-06 MW-12B	Water	02/10/26 10:20	02/12/26 08:00	Michigan
240-242959-7	L602182-07 MW-17A	Water	02/10/26 09:36	02/12/26 08:00	Michigan
240-242959-8	L602182-08 MW-17B	Water	02/10/26 11:32	02/12/26 08:00	Michigan
240-242959-9	L602182-09 MW-17C	Water	02/10/26 12:52	02/12/26 08:00	Michigan
240-242959-10	L602182-10 MW-17D	Water	02/10/26 14:21	02/12/26 08:00	Michigan
240-242959-11	L602182-11 MW-17E	Water	02/10/26 15:42	02/12/26 08:00	Michigan
240-242959-12	L602182--12 MWT-17A	Water	02/10/26 09:36	02/12/26 08:00	Michigan
240-242959-13	L602182- 13 FIELD BLANK	Water	02/10/26 08:30	02/12/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Job ID: 240-242959-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L602182-01 MW-2 — Lab Sample ID: 240-242959-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	2.5		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.038		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Cadmium, Dissolved	0.000080	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	190		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.0036		0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.035		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	48		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.0072		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.012		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	1.1		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	1.0		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	40		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.027	J	0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0012	J	0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	3.9		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.3		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602182-02 MW-3 — Lab Sample ID: 240-242959-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	5.5		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0030	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.016		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	240		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00055	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.089	B	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	47		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.18		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0034		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.15		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	1.4		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	110		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.6		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0018	J	0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	1.7		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.0		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602182-03 MW-6 — Lab Sample ID: 240-242959-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.82		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.058		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	200		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00051	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.059	B	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	44		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.023		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0029		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.0075		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	6.7		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	33		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Zinc, Dissolved	0.065		0.0070	0.00093	mg/L	1		200.8	Dissolved

This Detection Summary does not include radiochemical test results.

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Client Sample ID: L602182-03 MW-6 (Continued) — Lab Sample ID: 240-242959-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum, Dissolved	0.0066	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Total Organic Carbon	2.3		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.7		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602182-04 MW-7C — Lab Sample ID: 240-242959-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	6.1		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0049	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.039		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	220		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.12	B	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	41		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.35		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0067		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.20		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	5.2		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	89		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	3.3		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	3.5		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.54		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602182-05 MW-12 — Lab Sample ID: 240-242959-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.054	J	0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0012	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.051		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	160		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.0025		0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.018	B	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	63		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.0041	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.012		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.12		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	1.9		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	92		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.023	J	0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0021	J	0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	3.2		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.2		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602182-06 MW-12B — Lab Sample ID: 240-242959-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	3.1		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.025		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	27		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.043	B	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	8.3		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.0084		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	7.8		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602182-06 MW-12B (Continued) — Lab Sample ID: 240-242959-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium, Dissolved	110		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.21		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	0.93	J	1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Total Sulfide	0.071	H	0.050	0.028	mg/L	1		SM 4500 S2 D	Total/NA
Nitrate as N	0.25		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602182-07 MW-17A — Lab Sample ID: 240-242959-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	4.1		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0019	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.038		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	250		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00021	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.053	B	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	67		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.027		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.012		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.14		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	2.8		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	52		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	6.0		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.41		0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	5.2		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.98		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602182-08 MW-17B — Lab Sample ID: 240-242959-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	1.8		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0032	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.038		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	130		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00011	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.093	B	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	28		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.11		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0029		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.091		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	4.5		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	71		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.7		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.24		0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	3.4		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.65		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602182-09 MW-17C — Lab Sample ID: 240-242959-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	1.5		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0041	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.045		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602182-09 MW-17C (Continued) — Lab Sample ID: 240-242959-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium, Dissolved	160		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00053	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.049	B	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	39		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.043		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.0050		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.17		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	10		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	100		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.3		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.93		0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	9.8		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.1		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602182-10 MW-17D — Lab Sample ID: 240-242959-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	2.2		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.045		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	66		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00026	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.037	B	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	19		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.0055		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.13		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	12		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	46		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.36		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	3.1		0.0070	0.00093	mg/L	1		200.8	Dissolved
Aluminum, Dissolved	0.047		0.040	0.0058	mg/L	1		200.8	Dissolved
Total Organic Carbon	2.2		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.47		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602182-11 MW-17E — Lab Sample ID: 240-242959-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	2.8		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Barium, Dissolved	0.013		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	30		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00019	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.030	B	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	6.5		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.0060		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.047		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	9.2		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	170		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.046	J	0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.31		0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	4.4		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.79		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Lansing Board of Water & Light
Job ID: 240-242959-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L602182--12 MWT-17A
Lab Sample ID: 240-242959-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	4.1		0.50	0.041	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic, Dissolved	0.0020	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	0.035		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	230		1.0	0.25	mg/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.00022	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	0.050	B	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	62		1.0	0.061	mg/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	0.024		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	0.011		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	0.14		0.0050	0.0035	mg/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	2.6		1.0	0.22	mg/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	49		1.0	0.88	mg/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	6.0		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.42		0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	5.0		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.95		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602182- 13 FIELD BLANK
Lab Sample ID: 240-242959-13

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602182-01 MW-2
Lab Sample ID: 240-242959-1

Date Collected: 02/10/26 14:45
Matrix: Water
Date Received: 02/12/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**2.5**		0.50	0.041	mg/L		02/18/26 15:16	02/24/26 16:37	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 19:08	1
Barium, Dissolved	**0.038**		0.0050	0.00077	mg/L		02/16/26 14:00	02/18/26 11:12	1
Cadmium, Dissolved	**0.000080**	**J**	0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 19:08	1
Calcium, Dissolved	**190**		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 19:08	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 19:08	1
Cobalt, Dissolved	**0.0036**		0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 19:08	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 19:08	1
Lithium, Dissolved	**0.035**		0.0080	0.0034	mg/L		02/16/26 14:00	02/18/26 11:12	1
Magnesium, Dissolved	**48**		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 19:08	1
Molybdenum, Dissolved	**0.0072**		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 19:08	1
Nickel, Dissolved	**0.012**		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 19:08	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 19:08	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 19:08	1
Manganese, Dissolved	**1.1**		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 19:08	1
Potassium, Dissolved	**1.0**		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 19:08	1
Sodium, Dissolved	**40**		1.0	0.88	mg/L		02/16/26 14:00	02/18/26 11:12	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.027**	**J**	0.10	0.013	mg/L		02/18/26 15:16	02/24/26 13:13	1
Zinc, Dissolved	**0.0012**	**J**	0.0070	0.00093	mg/L		02/18/26 15:16	02/24/26 13:13	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/18/26 15:16	02/24/26 13:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**3.9**		1.0	0.44	mg/L			02/18/26 20:53	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/11/26 14:30	1
Total Sulfide (SM 4500 S2 D)	ND	H F1	0.050	0.028	mg/L			02/24/26 09:43	1
Nitrate as N (SM4500 NO3 D)	**1.3**		0.20	0.070	mg/L			02/11/26 15:03	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-242959-1

Client Sample ID: L602182-02 MW-3

Date Collected: 02/10/26 12:20
Date Received: 02/12/26 08:00

Lab Sample ID: 240-242959-2

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**5.5**		0.50	0.041	mg/L		02/18/26 15:16	02/24/26 16:52	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0030**	**J**	0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 19:16	1
Barium, Dissolved	**0.016**		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 19:16	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 19:16	1
Calcium, Dissolved	**240**		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 19:16	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 19:16	1
Cobalt, Dissolved	**0.00055**	**J**	0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 19:16	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 19:16	1
Lithium, Dissolved	**0.089**	**B**	0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 19:16	1
Magnesium, Dissolved	**47**		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 19:16	1
Molybdenum, Dissolved	**0.18**		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 19:16	1
Nickel, Dissolved	**0.0034**		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 19:16	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 19:16	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 19:16	1
Manganese, Dissolved	**0.15**		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 19:16	1
Potassium, Dissolved	**1.4**		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 19:16	1
Sodium, Dissolved	**110**		1.0	0.88	mg/L		02/16/26 14:00	02/17/26 19:16	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.6**		0.10	0.013	mg/L		02/18/26 15:16	02/24/26 13:34	1
Zinc, Dissolved	**0.0018**	**J**	0.0070	0.00093	mg/L		02/18/26 15:16	02/24/26 13:34	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/18/26 15:16	02/24/26 13:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**1.7**		1.0	0.44	mg/L			02/18/26 21:17	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/11/26 13:28	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			02/24/26 09:49	1
Nitrate as N (SM4500 NO3 D)	**1.0**		0.20	0.070	mg/L			02/11/26 14:16	1

Client Sample ID: L602182-03 MW-6
Lab Sample ID: 240-242959-3

Date Collected: 02/10/26 16:25
Matrix: Water
Date Received: 02/12/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.82**		0.50	0.041	mg/L		02/18/26 15:16	02/24/26 17:09	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 19:19	1
Barium, Dissolved	**0.058**		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 19:19	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 19:19	1
Calcium, Dissolved	**200**		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 19:19	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 19:19	1
Cobalt, Dissolved	**0.00051**	**J**	0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 19:19	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 19:19	1
Lithium, Dissolved	**0.059**	**B**	0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 19:19	1
Magnesium, Dissolved	**44**		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 19:19	1
Molybdenum, Dissolved	**0.023**		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 19:19	1
Nickel, Dissolved	**0.0029**		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 19:19	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 19:19	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 19:19	1
Manganese, Dissolved	**0.0075**		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 19:19	1
Potassium, Dissolved	**6.7**		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 19:19	1
Sodium, Dissolved	**33**		1.0	0.88	mg/L		02/16/26 14:00	02/17/26 19:19	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		02/18/26 15:16	02/25/26 16:04	1
Zinc, Dissolved	**0.065**		0.0070	0.00093	mg/L		02/18/26 15:16	02/25/26 16:04	1
Aluminum, Dissolved	**0.0066**	**J**	0.040	0.0058	mg/L		02/18/26 15:16	02/25/26 16:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**2.3**		1.0	0.44	mg/L			02/18/26 21:41	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/11/26 14:31	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			02/24/26 09:51	1
Nitrate as N (SM4500 NO3 D)	**1.7**		0.20	0.070	mg/L			02/11/26 15:34	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-242959-1

Client Sample ID: L602182-04 MW-7C

Date Collected: 02/10/26 17:27
Date Received: 02/12/26 08:00

Lab Sample ID: 240-242959-4

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**6.1**		0.50	0.041	mg/L		02/18/26 15:16	02/24/26 17:12	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0049**	**J**	0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 19:22	1
Barium, Dissolved	**0.039**		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 19:22	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 19:22	1
Calcium, Dissolved	**220**		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 19:22	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 19:22	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 19:22	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 19:22	1
Lithium, Dissolved	**0.12**	**B**	0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 19:22	1
Magnesium, Dissolved	**41**		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 19:22	1
Molybdenum, Dissolved	**0.35**		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 19:22	1
Nickel, Dissolved	**0.0067**		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 19:22	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 19:22	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 19:22	1
Manganese, Dissolved	**0.20**		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 19:22	1
Potassium, Dissolved	**5.2**		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 19:22	1
Sodium, Dissolved	**89**		1.0	0.88	mg/L		02/16/26 14:00	02/17/26 19:22	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**3.3**		0.10	0.013	mg/L		02/18/26 15:16	02/25/26 16:07	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/18/26 15:16	02/25/26 16:07	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/18/26 15:16	02/25/26 16:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**3.5**		1.0	0.44	mg/L			02/18/26 22:05	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/11/26 14:32	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			02/24/26 09:53	1
Nitrate as N (SM4500 NO3 D)	**0.54**		0.20	0.070	mg/L			02/11/26 15:51	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-242959-1

Client Sample ID: L602182-05 MW-12

Date Collected: 02/10/26 17:00
Date Received: 02/12/26 08:00

Lab Sample ID: 240-242959-5

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.054**	**J**	0.50	0.041	mg/L		02/18/26 15:16	02/24/26 17:16	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0012**	**J**	0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 19:30	1
Barium, Dissolved	**0.051**		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 19:30	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 19:30	1
Calcium, Dissolved	**160**		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 19:30	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 19:30	1
Cobalt, Dissolved	**0.0025**		0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 19:30	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 19:30	1
Lithium, Dissolved	**0.018**	**B**	0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 19:30	1
Magnesium, Dissolved	**63**		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 19:30	1
Molybdenum, Dissolved	**0.0041**	**J**	0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 19:30	1
Nickel, Dissolved	**0.012**		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 19:30	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 19:30	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 19:30	1
Manganese, Dissolved	**0.12**		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 19:30	1
Potassium, Dissolved	**1.9**		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 19:30	1
Sodium, Dissolved	**92**		1.0	0.88	mg/L		02/16/26 14:00	02/17/26 19:30	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.023**	**J**	0.10	0.013	mg/L		02/18/26 15:16	02/25/26 16:10	1
Zinc, Dissolved	**0.0021**	**J**	0.0070	0.00093	mg/L		02/18/26 15:16	02/25/26 16:10	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/18/26 15:16	02/25/26 16:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**3.2**		1.0	0.44	mg/L			02/19/26 19:41	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/11/26 14:31	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			02/24/26 09:55	1
Nitrate as N (SM4500 NO3 D)	**1.2**		0.20	0.070	mg/L			02/11/26 15:41	1

Client Sample ID: L602182-06 MW-12B
Lab Sample ID: 240-242959-6

Date Collected: 02/10/26 10:20
Matrix: Water
Date Received: 02/12/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**3.1**		0.50	0.041	mg/L		02/18/26 15:16	02/24/26 17:19	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 19:33	1
Barium, Dissolved	**0.025**		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 19:33	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 19:33	1
Calcium, Dissolved	**27**		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 19:33	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 19:33	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 19:33	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 19:33	1
Lithium, Dissolved	**0.043**	**B**	0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 19:33	1
Magnesium, Dissolved	**8.3**		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 19:33	1
Molybdenum, Dissolved	ND		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 19:33	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 19:33	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 19:33	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 19:33	1
Manganese, Dissolved	**0.0084**		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 19:33	1
Potassium, Dissolved	**7.8**		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 19:33	1
Sodium, Dissolved	**110**		1.0	0.88	mg/L		02/16/26 14:00	02/17/26 19:33	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.21**		0.10	0.013	mg/L		02/18/26 15:16	02/25/26 16:13	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/18/26 15:16	02/25/26 16:13	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/18/26 15:16	02/25/26 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**0.93**	**J**	1.0	0.44	mg/L			02/19/26 20:05	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/11/26 13:23	1
Total Sulfide (SM 4500 S2 D)	**0.071**	**H**	0.050	0.028	mg/L			02/24/26 09:57	1
Nitrate as N (SM4500 NO3 D)	**0.25**		0.20	0.070	mg/L			02/11/26 13:24	1

Client Sample ID: L602182-07 MW-17A
Date Collected: 02/10/26 09:36
Date Received: 02/12/26 08:00

Lab Sample ID: 240-242959-7
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**4.1**		0.50	0.041	mg/L		02/18/26 15:16	02/24/26 17:22	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0019**	**J**	0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 19:35	1
Barium, Dissolved	**0.038**		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 19:35	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 19:35	1
Calcium, Dissolved	**250**		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 19:35	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 19:35	1
Cobalt, Dissolved	**0.00021**	**J**	0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 19:35	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 19:35	1
Lithium, Dissolved	**0.053**	**B**	0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 19:35	1
Magnesium, Dissolved	**67**		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 19:35	1
Molybdenum, Dissolved	**0.027**		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 19:35	1
Nickel, Dissolved	**0.012**		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 19:35	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 19:35	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 19:35	1
Manganese, Dissolved	**0.14**		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 19:35	1
Potassium, Dissolved	**2.8**		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 19:35	1
Sodium, Dissolved	**52**		1.0	0.88	mg/L		02/16/26 14:00	02/17/26 19:35	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**6.0**		0.10	0.013	mg/L		02/18/26 15:16	02/25/26 21:28	1
Zinc, Dissolved	**0.41**		0.0070	0.00093	mg/L		02/18/26 15:16	02/25/26 21:28	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/18/26 15:16	02/25/26 21:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**5.2**		1.0	0.44	mg/L			02/19/26 20:29	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/11/26 13:23	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			02/24/26 09:59	1
Nitrate as N (SM4500 NO3 D)	**0.98**		0.20	0.070	mg/L			02/11/26 13:06	1

Client Sample ID: L602182-08 MW-17B
Lab Sample ID: 240-242959-8

Date Collected: 02/10/26 11:32
Matrix: Water
Date Received: 02/12/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**1.8**		0.50	0.041	mg/L		02/18/26 15:16	02/24/26 17:25	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0032**	**J**	0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 19:38	1
Barium, Dissolved	**0.038**		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 19:38	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 19:38	1
Calcium, Dissolved	**130**		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 19:38	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 19:38	1
Cobalt, Dissolved	**0.00011**	**J**	0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 19:38	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 19:38	1
Lithium, Dissolved	**0.093**	**B**	0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 19:38	1
Magnesium, Dissolved	**28**		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 19:38	1
Molybdenum, Dissolved	**0.11**		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 19:38	1
Nickel, Dissolved	**0.0029**		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 19:38	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 19:38	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 19:38	1
Manganese, Dissolved	**0.091**		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 19:38	1
Potassium, Dissolved	**4.5**		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 19:38	1
Sodium, Dissolved	**71**		1.0	0.88	mg/L		02/16/26 14:00	02/17/26 19:38	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.7**		0.10	0.013	mg/L		02/18/26 15:16	02/25/26 21:31	1
Zinc, Dissolved	**0.24**		0.0070	0.00093	mg/L		02/18/26 15:16	02/25/26 21:31	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/18/26 15:16	02/25/26 21:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**3.4**		1.0	0.44	mg/L			02/19/26 20:53	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/11/26 13:27	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			02/24/26 10:01	1
Nitrate as N (SM4500 NO3 D)	**0.65**		0.20	0.070	mg/L			02/11/26 14:07	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-242959-1

Client Sample ID: L602182-09 MW-17C

Date Collected: 02/10/26 12:52
Date Received: 02/12/26 08:00

Lab Sample ID: 240-242959-9

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**1.5**		0.50	0.041	mg/L		02/18/26 15:16	02/24/26 17:29	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0041**	**J**	0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 19:41	1
Barium, Dissolved	**0.045**		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 19:41	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 19:41	1
Calcium, Dissolved	**160**		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 19:41	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 19:41	1
Cobalt, Dissolved	**0.00053**	**J**	0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 19:41	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 19:41	1
Lithium, Dissolved	**0.049**	**B**	0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 19:41	1
Magnesium, Dissolved	**39**		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 19:41	1
Molybdenum, Dissolved	**0.043**		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 19:41	1
Nickel, Dissolved	**0.0050**		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 19:41	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 19:41	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 19:41	1
Manganese, Dissolved	**0.17**		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 19:41	1
Potassium, Dissolved	**10**		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 19:41	1
Sodium, Dissolved	**100**		1.0	0.88	mg/L		02/16/26 14:00	02/17/26 19:41	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.3**		0.10	0.013	mg/L		02/18/26 15:16	02/25/26 21:34	1
Zinc, Dissolved	**0.93**		0.0070	0.00093	mg/L		02/18/26 15:16	02/25/26 21:34	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/18/26 15:16	02/25/26 21:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**9.8**		1.0	0.44	mg/L			02/19/26 22:52	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/11/26 13:28	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			02/24/26 10:03	1
Nitrate as N (SM4500 NO3 D)	**1.1**		0.20	0.070	mg/L			02/11/26 14:39	1

Client Sample ID: L602182-10 MW-17D
Lab Sample ID: 240-242959-10

Date Collected: 02/10/26 14:21
Matrix: Water
Date Received: 02/12/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**2.2**		0.50	0.041	mg/L		02/18/26 15:16	02/24/26 17:32	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 19:43	1
Barium, Dissolved	**0.045**		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 19:43	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 19:43	1
Calcium, Dissolved	**66**		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 19:43	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 19:43	1
Cobalt, Dissolved	**0.00026**	**J**	0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 19:43	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 19:43	1
Lithium, Dissolved	**0.037**	**B**	0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 19:43	1
Magnesium, Dissolved	**19**		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 19:43	1
Molybdenum, Dissolved	**0.0055**		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 19:43	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 19:43	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 19:43	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 19:43	1
Manganese, Dissolved	**0.13**		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 19:43	1
Potassium, Dissolved	**12**		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 19:43	1
Sodium, Dissolved	**46**		1.0	0.88	mg/L		02/16/26 14:00	02/17/26 19:43	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.36**		0.10	0.013	mg/L		02/18/26 15:16	02/25/26 21:36	1
Zinc, Dissolved	**3.1**		0.0070	0.00093	mg/L		02/18/26 15:16	02/25/26 21:36	1
Aluminum, Dissolved	**0.047**		0.040	0.0058	mg/L		02/18/26 15:16	02/25/26 21:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**2.2**		1.0	0.44	mg/L			02/19/26 16:51	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/11/26 14:30	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			02/24/26 10:05	1
Nitrate as N (SM4500 NO3 D)	**0.47**		0.20	0.070	mg/L			02/11/26 14:55	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-242959-1

Client Sample ID: L602182-11 MW-17E
Date Collected: 02/10/26 15:42
Date Received: 02/12/26 08:00

Lab Sample ID: 240-242959-11
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**2.8**		0.50	0.041	mg/L		02/18/26 15:16	02/24/26 17:35	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 19:46	1
Barium, Dissolved	**0.013**		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 19:46	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 19:46	1
Calcium, Dissolved	**30**		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 19:46	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 19:46	1
Cobalt, Dissolved	**0.00019**	**J**	0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 19:46	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 19:46	1
Lithium, Dissolved	**0.030**	**B**	0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 19:46	1
Magnesium, Dissolved	**6.5**		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 19:46	1
Molybdenum, Dissolved	**0.0060**		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 19:46	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 19:46	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 19:46	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 19:46	1
Manganese, Dissolved	**0.047**		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 19:46	1
Potassium, Dissolved	**9.2**		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 19:46	1
Sodium, Dissolved	**170**		1.0	0.88	mg/L		02/16/26 14:00	02/17/26 19:46	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.046**	**J**	0.10	0.013	mg/L		02/18/26 15:16	02/25/26 21:39	1
Zinc, Dissolved	**0.31**		0.0070	0.00093	mg/L		02/18/26 15:16	02/25/26 21:39	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/18/26 15:16	02/25/26 21:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**4.4**		1.0	0.44	mg/L			02/19/26 17:15	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/11/26 14:30	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			02/24/26 10:09	1
Nitrate as N (SM4500 NO3 D)	**0.79**		0.20	0.070	mg/L			02/11/26 15:26	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-242959-1

Client Sample ID: L602182--12 MWT-17A

Date Collected: 02/10/26 09:36
Date Received: 02/12/26 08:00

Lab Sample ID: 240-242959-12

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**4.1**		0.50	0.041	mg/L		02/18/26 15:16	02/24/26 17:39	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0020**	**J**	0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 19:49	1
Barium, Dissolved	**0.035**		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 19:49	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 19:49	1
Calcium, Dissolved	**230**		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 19:49	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 19:49	1
Cobalt, Dissolved	**0.00022**	**J**	0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 19:49	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 19:49	1
Lithium, Dissolved	**0.050**	**B**	0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 19:49	1
Magnesium, Dissolved	**62**		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 19:49	1
Molybdenum, Dissolved	**0.024**		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 19:49	1
Nickel, Dissolved	**0.011**		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 19:49	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 19:49	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 19:49	1
Manganese, Dissolved	**0.14**		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 19:49	1
Potassium, Dissolved	**2.6**		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 19:49	1
Sodium, Dissolved	**49**		1.0	0.88	mg/L		02/16/26 14:00	02/17/26 19:49	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**6.0**		0.10	0.013	mg/L		02/18/26 15:16	02/25/26 21:42	1
Zinc, Dissolved	**0.42**		0.0070	0.00093	mg/L		02/18/26 15:16	02/25/26 21:42	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/18/26 15:16	02/25/26 21:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	**5.0**		1.0	0.44	mg/L			02/19/26 17:39	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/11/26 13:23	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			02/24/26 10:11	1
Nitrate as N (SM4500 NO3 D)	**0.95**		0.20	0.070	mg/L			02/11/26 13:15	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-242959-1

Client Sample ID: L602182- 13 FIELD BLANK

Date Collected: 02/10/26 08:30
Date Received: 02/12/26 08:00

Lab Sample ID: 240-242959-13

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	ND		0.50	0.041	mg/L		02/18/26 15:16	02/24/26 19:26	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 19:52	1
Barium, Dissolved	ND		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 19:52	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 19:52	1
Calcium, Dissolved	ND		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 19:52	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 19:52	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 19:52	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 19:52	1
Lithium, Dissolved	ND		0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 19:52	1
Magnesium, Dissolved	ND		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 19:52	1
Molybdenum, Dissolved	ND		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 19:52	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 19:52	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 19:52	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 19:52	1
Manganese, Dissolved	ND		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 19:52	1
Potassium, Dissolved	ND		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 19:52	1
Sodium, Dissolved	ND		1.0	0.88	mg/L		02/16/26 14:00	02/17/26 19:52	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		02/18/26 15:16	02/25/26 21:45	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/18/26 15:16	02/25/26 21:45	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/18/26 15:16	02/25/26 21:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	ND		1.0	0.44	mg/L			02/19/26 18:03	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/11/26 13:22	1
Total Sulfide (SM 4500 S2 D)	ND	H	0.050	0.028	mg/L			02/24/26 10:13	1
Nitrate as N (SM4500 NO3 D)	ND		0.20	0.070	mg/L			02/11/26 12:57	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 350-12750/1-A
Matrix: Water
Analysis Batch: 12852

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12750

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	ND		0.50	0.041	mg/L		02/18/26 15:16	02/24/26 16:31	1

Lab Sample ID: LCS 350-12750/2-A
Matrix: Water
Analysis Batch: 12852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12750

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	5.00	4.95		mg/L		99	85 - 115

Lab Sample ID: 240-242959-1 MS
Matrix: Water
Analysis Batch: 12852

Client Sample ID: L602182-01 MW-2
Prep Type: Dissolved
Prep Batch: 12750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	2.5		5.00	7.61		mg/L		103	70 - 130

Lab Sample ID: 240-242959-1 MSD
Matrix: Water
Analysis Batch: 12852

Client Sample ID: L602182-01 MW-2
Prep Type: Dissolved
Prep Batch: 12750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron, Dissolved	2.5		5.00	7.56		mg/L		102	70 - 130	1	20

Lab Sample ID: 240-242959-2 MS
Matrix: Water
Analysis Batch: 12852

Client Sample ID: L602182-02 MW-3
Prep Type: Dissolved
Prep Batch: 12750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	5.5		5.00	10.6		mg/L		102	70 - 130

Lab Sample ID: 240-242959-2 MSD
Matrix: Water
Analysis Batch: 12852

Client Sample ID: L602182-02 MW-3
Prep Type: Dissolved
Prep Batch: 12750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron, Dissolved	5.5		5.00	10.8		mg/L		106	70 - 130	2	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 350-12750/1-A
Matrix: Water
Analysis Batch: 12847

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12750

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		02/18/26 15:16	02/24/26 13:03	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/18/26 15:16	02/24/26 13:03	1
Aluminum, Dissolved	0.00894	J	0.040	0.0058	mg/L		02/18/26 15:16	02/24/26 13:03	1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 350-12750/1-A
Matrix: Water
Analysis Batch: 12877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12750

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		02/18/26 15:16	02/25/26 13:23	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/18/26 15:16	02/25/26 13:23	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/18/26 15:16	02/25/26 13:23	1

Lab Sample ID: LCS 350-12750/2-A
Matrix: Water
Analysis Batch: 12847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12750

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	20.0	20.7		mg/L		103	85 - 115
Zinc, Dissolved	1.00	0.964		mg/L		96	85 - 115
Aluminum, Dissolved	20.0	19.0		mg/L		95	85 - 115

Lab Sample ID: LCS 350-12750/2-A
Matrix: Water
Analysis Batch: 12877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12750

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	20.0	19.5		mg/L		97	85 - 115
Zinc, Dissolved	1.00	0.992		mg/L		99	85 - 115
Aluminum, Dissolved	20.0	19.9		mg/L		99	85 - 115

Lab Sample ID: 240-242959-1 MS
Matrix: Water
Analysis Batch: 12847

Client Sample ID: L602182-01 MW-2
Prep Type: Dissolved
Prep Batch: 12750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	0.027	J	20.0	20.7		mg/L		103	70 - 130
Zinc, Dissolved	0.0012	J	1.00	0.971		mg/L		97	70 - 130
Aluminum, Dissolved	ND		20.0	19.8		mg/L		99	70 - 130

Lab Sample ID: 240-242959-1 MS
Matrix: Water
Analysis Batch: 12877

Client Sample ID: L602182-01 MW-2
Prep Type: Dissolved
Prep Batch: 12750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	0.029	J	20.0	20.1		mg/L		100	70 - 130
Zinc, Dissolved	0.0012	J	1.00	1.01		mg/L		101	70 - 130
Aluminum, Dissolved	0.0067	J	20.0	20.3		mg/L		101	70 - 130

Lab Sample ID: 240-242959-1 MSD
Matrix: Water
Analysis Batch: 12847

Client Sample ID: L602182-01 MW-2
Prep Type: Dissolved
Prep Batch: 12750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron, Dissolved	0.027	J	20.0	20.4		mg/L		102	70 - 130	1	20
Zinc, Dissolved	0.0012	J	1.00	0.956		mg/L		95	70 - 130	1	20
Aluminum, Dissolved	ND		20.0	18.7		mg/L		94	70 - 130	5	20

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-242959-1 MSD
Matrix: Water
Analysis Batch: 12877

Client Sample ID: L602182-01 MW-2
Prep Type: Dissolved
Prep Batch: 12750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron, Dissolved	0.029	J	20.0	19.7		mg/L		98	70 - 130	2	20
Zinc, Dissolved	0.0012	J	1.00	0.997		mg/L		100	70 - 130	1	20
Aluminum, Dissolved	0.0067	J	20.0	20.4		mg/L		102	70 - 130	1	20

Lab Sample ID: 240-242959-2 MS
Matrix: Water
Analysis Batch: 12847

Client Sample ID: L602182-02 MW-3
Prep Type: Dissolved
Prep Batch: 12750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	1.6		20.0	21.6		mg/L		100	70 - 130
Zinc, Dissolved	0.0018	J	1.00	0.946		mg/L		94	70 - 130
Aluminum, Dissolved	ND		20.0	19.0		mg/L		95	70 - 130

Lab Sample ID: 240-242959-2 MS
Matrix: Water
Analysis Batch: 12877

Client Sample ID: L602182-02 MW-3
Prep Type: Dissolved
Prep Batch: 12750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	1.5		20.0	21.6		mg/L		101	70 - 130
Zinc, Dissolved	0.0019	J	1.00	0.998		mg/L		100	70 - 130
Aluminum, Dissolved	0.0073	J	20.0	20.6		mg/L		103	70 - 130

Lab Sample ID: 240-242959-2 MSD
Matrix: Water
Analysis Batch: 12847

Client Sample ID: L602182-02 MW-3
Prep Type: Dissolved
Prep Batch: 12750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron, Dissolved	1.6		20.0	22.2		mg/L		103	70 - 130	3	20
Zinc, Dissolved	0.0018	J	1.00	0.954		mg/L		95	70 - 130	1	20
Aluminum, Dissolved	ND		20.0	19.0		mg/L		95	70 - 130	0	20

Lab Sample ID: 240-242959-2 MSD
Matrix: Water
Analysis Batch: 12877

Client Sample ID: L602182-02 MW-3
Prep Type: Dissolved
Prep Batch: 12750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron, Dissolved	1.5		20.0	21.5		mg/L		100	70 - 130	0	20
Zinc, Dissolved	0.0019	J	1.00	1.01		mg/L		101	70 - 130	1	20
Aluminum, Dissolved	0.0073	J	20.0	20.6		mg/L		103	70 - 130	0	20

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: MB 240-690541/1-A
Matrix: Water
Analysis Batch: 690699

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 690541

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 18:29	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 18:29	1
Calcium, Dissolved	ND		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 18:29	1

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-690541/1-A
Matrix: Water
Analysis Batch: 690699

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 690541

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 18:29	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 18:29	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 18:29	1
Magnesium, Dissolved	ND		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 18:29	1
Molybdenum, Dissolved	ND		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 18:29	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 18:29	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 18:29	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 18:29	1
Manganese, Dissolved	ND		0.0050	0.0035	mg/L		02/16/26 14:00	02/17/26 18:29	1
Potassium, Dissolved	ND		1.0	0.22	mg/L		02/16/26 14:00	02/17/26 18:29	1

Lab Sample ID: MB 240-690541/1-A
Matrix: Water
Analysis Batch: 690825

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 690541

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0050	0.00077	mg/L		02/16/26 14:00	02/18/26 10:59	1
Lithium, Dissolved	ND		0.0080	0.0034	mg/L		02/16/26 14:00	02/18/26 10:59	1
Sodium, Dissolved	ND		1.0	0.88	mg/L		02/16/26 14:00	02/18/26 10:59	1

Lab Sample ID: LCS 240-690541/2-A
Matrix: Water
Analysis Batch: 690699

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 690541

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	1.00	0.968		mg/L		97	85 - 115
Cadmium, Dissolved	0.500	0.485		mg/L		97	85 - 115
Calcium, Dissolved	25.0	25.2		mg/L		101	85 - 115
Chromium, Dissolved	0.500	0.486		mg/L		97	85 - 115
Cobalt, Dissolved	0.500	0.490		mg/L		98	85 - 115
Copper, Dissolved	0.500	0.484		mg/L		97	85 - 115
Magnesium, Dissolved	25.0	25.8		mg/L		103	85 - 115
Molybdenum, Dissolved	0.500	0.496		mg/L		99	85 - 115
Nickel, Dissolved	0.500	0.479		mg/L		96	85 - 115
Selenium, Dissolved	1.00	0.964		mg/L		96	85 - 115
Vanadium, Dissolved	0.500	0.491		mg/L		98	85 - 115
Manganese, Dissolved	0.500	0.441		mg/L		88	85 - 115
Potassium, Dissolved	25.0	26.1		mg/L		105	85 - 115

Lab Sample ID: LCS 240-690541/2-A
Matrix: Water
Analysis Batch: 690825

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 690541

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium, Dissolved	1.00	1.00		mg/L		100	85 - 115
Lithium, Dissolved	0.500	0.515		mg/L		103	85 - 115
Sodium, Dissolved	25.0	25.5		mg/L		102	85 - 115

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav

Lab Sample ID: MB 240-690948/5
Matrix: Water
Analysis Batch: 690948

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.44	mg/L			02/18/26 18:54	1

Lab Sample ID: LCS 240-690948/6
Matrix: Water
Analysis Batch: 690948

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	26.2		mg/L		92	85 - 115
TOC Result 1	28.4	26.7		mg/L		94	85 - 115
TOC Result 2	28.4	26.0		mg/L		92	85 - 115

Lab Sample ID: MB 240-691081/5
Matrix: Water
Analysis Batch: 691081

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.44	mg/L			02/19/26 14:52	1

Lab Sample ID: LCS 240-691081/21
Matrix: Water
Analysis Batch: 691081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	25.5		mg/L		90	85 - 115
TOC Result 1	28.4	26.0		mg/L		91	85 - 115
TOC Result 2	28.4	25.3		mg/L		89	85 - 115

Lab Sample ID: LCS 240-691081/6
Matrix: Water
Analysis Batch: 691081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	25.7		mg/L		90	85 - 115
TOC Result 1	28.4	26.3		mg/L		93	85 - 115
TOC Result 2	28.4	25.5		mg/L		90	85 - 115

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 190-13193/4
Matrix: Water
Analysis Batch: 13193

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.0097	mg/L			02/11/26 13:22	1

Method: SM 4500 NO2 B - Nitrogen, Nitrite (Continued)

Lab Sample ID: LCS 190-13193/3
Matrix: Water
Analysis Batch: 13193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N			0.250	0.257		mg/L		103	90 - 110		

Lab Sample ID: 240-242959-6 MS
Matrix: Water
Analysis Batch: 13193

Client Sample ID: L602182-06 MW-12B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	ND		0.250	0.259		mg/L		104	75 - 125		

Lab Sample ID: 240-242959-6 MSD
Matrix: Water
Analysis Batch: 13193

Client Sample ID: L602182-06 MW-12B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND		0.250	0.256		mg/L		102	75 - 125	1	20

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 570-700378/28
Matrix: Water
Analysis Batch: 700378

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Sulfide	ND		0.050	0.028	mg/L			02/24/26 09:37	1

Lab Sample ID: LCS 570-700378/30
Matrix: Water
Analysis Batch: 700378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Sulfide			0.501	0.464		mg/L		92	70 - 130		

Lab Sample ID: LCSD 570-700378/32
Matrix: Water
Analysis Batch: 700378

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Sulfide			0.501	0.455		mg/L		91	70 - 130	2	8

Lab Sample ID: MRL 570-700378/26
Matrix: Water
Analysis Batch: 700378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Total Sulfide			0.0501	0.0540		mg/L		108	50 - 150		

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: 240-242959-1 MS
Matrix: Water
Analysis Batch: 700378

Client Sample ID: L602182-01 MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Sulfide	ND	H F1	0.501	0.312	F1	mg/L		62	70 - 130		

Lab Sample ID: 240-242959-1 MSD
Matrix: Water
Analysis Batch: 700378

Client Sample ID: L602182-01 MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Sulfide	ND	H F1	0.501	0.318	F1	mg/L		63	70 - 130	2	20

Method: SM4500 NO3 D - Nitrogen, Nitrate

Lab Sample ID: MB 190-13197/3
Matrix: Water
Analysis Batch: 13197

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.070	mg/L			02/11/26 12:08	1

Lab Sample ID: LCS 190-13197/4
Matrix: Water
Analysis Batch: 13197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	10.0	10.2		mg/L		102	90 - 110		

Lab Sample ID: 240-242959-4 MS
Matrix: Water
Analysis Batch: 13197

Client Sample ID: L602182-04 MW-7C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	0.54		10.0	10.7		mg/L		102	75 - 125		

Lab Sample ID: 240-242959-4 MSD
Matrix: Water
Analysis Batch: 13197

Client Sample ID: L602182-04 MW-7C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.54		10.0	10.6		mg/L		100	75 - 125	2	20

Lab Sample ID: 240-242959-6 MS
Matrix: Water
Analysis Batch: 13197

Client Sample ID: L602182-06 MW-12B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	0.25		10.0	10.3		mg/L		100	75 - 125		

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-242959-1

Method: SM4500 NO3 D - Nitrogen, Nitrate (Continued)

Lab Sample ID: 240-242959-6 MSD
Matrix: Water
Analysis Batch: 13197

Client Sample ID: L602182-06 MW-12B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.25		10.0	10.1		mg/L		98	75 - 125	2	20

Metals

Prep Batch: 12750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-1	L602182-01 MW-2	Dissolved	Water	200.7	
240-242959-2	L602182-02 MW-3	Dissolved	Water	200.7	
240-242959-3	L602182-03 MW-6	Dissolved	Water	200.7	
240-242959-4	L602182-04 MW-7C	Dissolved	Water	200.7	
240-242959-5	L602182-05 MW-12	Dissolved	Water	200.7	
240-242959-6	L602182-06 MW-12B	Dissolved	Water	200.7	
240-242959-7	L602182-07 MW-17A	Dissolved	Water	200.7	
240-242959-8	L602182-08 MW-17B	Dissolved	Water	200.7	
240-242959-9	L602182-09 MW-17C	Dissolved	Water	200.7	
240-242959-10	L602182-10 MW-17D	Dissolved	Water	200.7	
240-242959-11	L602182-11 MW-17E	Dissolved	Water	200.7	
240-242959-12	L602182--12 MWT-17A	Dissolved	Water	200.7	
240-242959-13	L602182- 13 FIELD BLANK	Dissolved	Water	200.7	
MB 350-12750/1-A	Method Blank	Total/NA	Water	200.7	
LCS 350-12750/2-A	Lab Control Sample	Total/NA	Water	200.7	
240-242959-1 MS	L602182-01 MW-2	Dissolved	Water	200.7	
240-242959-1 MSD	L602182-01 MW-2	Dissolved	Water	200.7	
240-242959-2 MS	L602182-02 MW-3	Dissolved	Water	200.7	
240-242959-2 MSD	L602182-02 MW-3	Dissolved	Water	200.7	

Analysis Batch: 12847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-1	L602182-01 MW-2	Dissolved	Water	200.8	12750
240-242959-2	L602182-02 MW-3	Dissolved	Water	200.8	12750
MB 350-12750/1-A	Method Blank	Total/NA	Water	200.8	12750
LCS 350-12750/2-A	Lab Control Sample	Total/NA	Water	200.8	12750
240-242959-1 MS	L602182-01 MW-2	Dissolved	Water	200.8	12750
240-242959-1 MSD	L602182-01 MW-2	Dissolved	Water	200.8	12750
240-242959-2 MS	L602182-02 MW-3	Dissolved	Water	200.8	12750
240-242959-2 MSD	L602182-02 MW-3	Dissolved	Water	200.8	12750

Analysis Batch: 12852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-1	L602182-01 MW-2	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-2	L602182-02 MW-3	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-3	L602182-03 MW-6	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-4	L602182-04 MW-7C	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-5	L602182-05 MW-12	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-6	L602182-06 MW-12B	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-7	L602182-07 MW-17A	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-8	L602182-08 MW-17B	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-9	L602182-09 MW-17C	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-10	L602182-10 MW-17D	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-11	L602182-11 MW-17E	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-12	L602182--12 MWT-17A	Dissolved	Water	200.7 Rev 4.4	12750
MB 350-12750/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	12750
LCS 350-12750/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	12750
240-242959-1 MS	L602182-01 MW-2	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-1 MSD	L602182-01 MW-2	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-2 MS	L602182-02 MW-3	Dissolved	Water	200.7 Rev 4.4	12750
240-242959-2 MSD	L602182-02 MW-3	Dissolved	Water	200.7 Rev 4.4	12750

Metals

Analysis Batch: 12877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-3	L602182-03 MW-6	Dissolved	Water	200.8	12750
240-242959-4	L602182-04 MW-7C	Dissolved	Water	200.8	12750
240-242959-5	L602182-05 MW-12	Dissolved	Water	200.8	12750
240-242959-6	L602182-06 MW-12B	Dissolved	Water	200.8	12750
MB 350-12750/1-A	Method Blank	Total/NA	Water	200.8	12750
LCS 350-12750/2-A	Lab Control Sample	Total/NA	Water	200.8	12750
240-242959-1 MS	L602182-01 MW-2	Dissolved	Water	200.8	12750
240-242959-1 MSD	L602182-01 MW-2	Dissolved	Water	200.8	12750
240-242959-2 MS	L602182-02 MW-3	Dissolved	Water	200.8	12750
240-242959-2 MSD	L602182-02 MW-3	Dissolved	Water	200.8	12750

Analysis Batch: 12881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-13	L602182- 13 FIELD BLANK	Dissolved	Water	200.7 Rev 4.4	12750

Analysis Batch: 12889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-7	L602182-07 MW-17A	Dissolved	Water	200.8	12750
240-242959-8	L602182-08 MW-17B	Dissolved	Water	200.8	12750
240-242959-9	L602182-09 MW-17C	Dissolved	Water	200.8	12750
240-242959-10	L602182-10 MW-17D	Dissolved	Water	200.8	12750
240-242959-11	L602182-11 MW-17E	Dissolved	Water	200.8	12750
240-242959-12	L602182--12 MWT-17A	Dissolved	Water	200.8	12750
240-242959-13	L602182- 13 FIELD BLANK	Dissolved	Water	200.8	12750

Prep Batch: 690541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-1	L602182-01 MW-2	Dissolved	Water	200.8-1994 R5.4	
240-242959-2	L602182-02 MW-3	Dissolved	Water	200.8-1994 R5.4	
240-242959-3	L602182-03 MW-6	Dissolved	Water	200.8-1994 R5.4	
240-242959-4	L602182-04 MW-7C	Dissolved	Water	200.8-1994 R5.4	
240-242959-5	L602182-05 MW-12	Dissolved	Water	200.8-1994 R5.4	
240-242959-6	L602182-06 MW-12B	Dissolved	Water	200.8-1994 R5.4	
240-242959-7	L602182-07 MW-17A	Dissolved	Water	200.8-1994 R5.4	
240-242959-8	L602182-08 MW-17B	Dissolved	Water	200.8-1994 R5.4	
240-242959-9	L602182-09 MW-17C	Dissolved	Water	200.8-1994 R5.4	
240-242959-10	L602182-10 MW-17D	Dissolved	Water	200.8-1994 R5.4	
240-242959-11	L602182-11 MW-17E	Dissolved	Water	200.8-1994 R5.4	
240-242959-12	L602182--12 MWT-17A	Dissolved	Water	200.8-1994 R5.4	
240-242959-13	L602182- 13 FIELD BLANK	Dissolved	Water	200.8-1994 R5.4	
MB 240-690541/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-690541/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	

Analysis Batch: 690699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-1	L602182-01 MW-2	Dissolved	Water	200.8-1994 R5.4	690541
240-242959-2	L602182-02 MW-3	Dissolved	Water	200.8-1994 R5.4	690541
240-242959-3	L602182-03 MW-6	Dissolved	Water	200.8-1994 R5.4	690541
240-242959-4	L602182-04 MW-7C	Dissolved	Water	200.8-1994 R5.4	690541
240-242959-5	L602182-05 MW-12	Dissolved	Water	200.8-1994 R5.4	690541
240-242959-6	L602182-06 MW-12B	Dissolved	Water	200.8-1994 R5.4	690541

Metals (Continued)

Analysis Batch: 690699 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-7	L602182-07 MW-17A	Dissolved	Water	200.8-1994 R5.4	690541
240-242959-8	L602182-08 MW-17B	Dissolved	Water	200.8-1994 R5.4	690541
240-242959-9	L602182-09 MW-17C	Dissolved	Water	200.8-1994 R5.4	690541
240-242959-10	L602182-10 MW-17D	Dissolved	Water	200.8-1994 R5.4	690541
240-242959-11	L602182-11 MW-17E	Dissolved	Water	200.8-1994 R5.4	690541
240-242959-12	L602182--12 MWT-17A	Dissolved	Water	200.8-1994 R5.4	690541
240-242959-13	L602182- 13 FIELD BLANK	Dissolved	Water	200.8-1994 R5.4	690541
MB 240-690541/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	690541
LCS 240-690541/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	690541

Analysis Batch: 690825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-1	L602182-01 MW-2	Dissolved	Water	200.8-1994 R5.4	690541
MB 240-690541/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	690541
LCS 240-690541/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	690541

General Chemistry

Analysis Batch: 13193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-1	L602182-01 MW-2	Total/NA	Water	SM 4500 NO2 B	
240-242959-2	L602182-02 MW-3	Total/NA	Water	SM 4500 NO2 B	
240-242959-3	L602182-03 MW-6	Total/NA	Water	SM 4500 NO2 B	
240-242959-4	L602182-04 MW-7C	Total/NA	Water	SM 4500 NO2 B	
240-242959-5	L602182-05 MW-12	Total/NA	Water	SM 4500 NO2 B	
240-242959-6	L602182-06 MW-12B	Total/NA	Water	SM 4500 NO2 B	
240-242959-7	L602182-07 MW-17A	Total/NA	Water	SM 4500 NO2 B	
240-242959-8	L602182-08 MW-17B	Total/NA	Water	SM 4500 NO2 B	
240-242959-9	L602182-09 MW-17C	Total/NA	Water	SM 4500 NO2 B	
240-242959-10	L602182-10 MW-17D	Total/NA	Water	SM 4500 NO2 B	
240-242959-11	L602182-11 MW-17E	Total/NA	Water	SM 4500 NO2 B	
240-242959-12	L602182--12 MWT-17A	Total/NA	Water	SM 4500 NO2 B	
240-242959-13	L602182- 13 FIELD BLANK	Total/NA	Water	SM 4500 NO2 B	
MB 190-13193/4	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 190-13193/3	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
240-242959-6 MS	L602182-06 MW-12B	Total/NA	Water	SM 4500 NO2 B	
240-242959-6 MSD	L602182-06 MW-12B	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 13197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-1	L602182-01 MW-2	Total/NA	Water	SM4500 NO3 D	
240-242959-2	L602182-02 MW-3	Total/NA	Water	SM4500 NO3 D	
240-242959-3	L602182-03 MW-6	Total/NA	Water	SM4500 NO3 D	
240-242959-4	L602182-04 MW-7C	Total/NA	Water	SM4500 NO3 D	
240-242959-5	L602182-05 MW-12	Total/NA	Water	SM4500 NO3 D	
240-242959-6	L602182-06 MW-12B	Total/NA	Water	SM4500 NO3 D	
240-242959-7	L602182-07 MW-17A	Total/NA	Water	SM4500 NO3 D	
240-242959-8	L602182-08 MW-17B	Total/NA	Water	SM4500 NO3 D	
240-242959-9	L602182-09 MW-17C	Total/NA	Water	SM4500 NO3 D	
240-242959-10	L602182-10 MW-17D	Total/NA	Water	SM4500 NO3 D	
240-242959-11	L602182-11 MW-17E	Total/NA	Water	SM4500 NO3 D	

General Chemistry (Continued)

Analysis Batch: 13197 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-12	L602182--12 MWT-17A	Total/NA	Water	SM4500 NO3 D	
240-242959-13	L602182- 13 FIELD BLANK	Total/NA	Water	SM4500 NO3 D	
MB 190-13197/3	Method Blank	Total/NA	Water	SM4500 NO3 D	
LCS 190-13197/4	Lab Control Sample	Total/NA	Water	SM4500 NO3 D	
240-242959-4 MS	L602182-04 MW-7C	Total/NA	Water	SM4500 NO3 D	
240-242959-4 MSD	L602182-04 MW-7C	Total/NA	Water	SM4500 NO3 D	
240-242959-6 MS	L602182-06 MW-12B	Total/NA	Water	SM4500 NO3 D	
240-242959-6 MSD	L602182-06 MW-12B	Total/NA	Water	SM4500 NO3 D	

Analysis Batch: 690948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-1	L602182-01 MW-2	Total/NA	Water	5310 C-2014	
240-242959-2	L602182-02 MW-3	Total/NA	Water	5310 C-2014	
240-242959-3	L602182-03 MW-6	Total/NA	Water	5310 C-2014	
240-242959-4	L602182-04 MW-7C	Total/NA	Water	5310 C-2014	
MB 240-690948/5	Method Blank	Total/NA	Water	5310 C-2014	
LCS 240-690948/6	Lab Control Sample	Total/NA	Water	5310 C-2014	

Analysis Batch: 691081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-5	L602182-05 MW-12	Total/NA	Water	5310 C-2014	
240-242959-6	L602182-06 MW-12B	Total/NA	Water	5310 C-2014	
240-242959-7	L602182-07 MW-17A	Total/NA	Water	5310 C-2014	
240-242959-8	L602182-08 MW-17B	Total/NA	Water	5310 C-2014	
240-242959-9	L602182-09 MW-17C	Total/NA	Water	5310 C-2014	
240-242959-10	L602182-10 MW-17D	Total/NA	Water	5310 C-2014	
240-242959-11	L602182-11 MW-17E	Total/NA	Water	5310 C-2014	
240-242959-12	L602182--12 MWT-17A	Total/NA	Water	5310 C-2014	
240-242959-13	L602182- 13 FIELD BLANK	Total/NA	Water	5310 C-2014	
MB 240-691081/5	Method Blank	Total/NA	Water	5310 C-2014	
LCS 240-691081/21	Lab Control Sample	Total/NA	Water	5310 C-2014	
LCS 240-691081/6	Lab Control Sample	Total/NA	Water	5310 C-2014	

Analysis Batch: 700378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-242959-1	L602182-01 MW-2	Total/NA	Water	SM 4500 S2 D	
240-242959-2	L602182-02 MW-3	Total/NA	Water	SM 4500 S2 D	
240-242959-3	L602182-03 MW-6	Total/NA	Water	SM 4500 S2 D	
240-242959-4	L602182-04 MW-7C	Total/NA	Water	SM 4500 S2 D	
240-242959-5	L602182-05 MW-12	Total/NA	Water	SM 4500 S2 D	
240-242959-6	L602182-06 MW-12B	Total/NA	Water	SM 4500 S2 D	
240-242959-7	L602182-07 MW-17A	Total/NA	Water	SM 4500 S2 D	
240-242959-8	L602182-08 MW-17B	Total/NA	Water	SM 4500 S2 D	
240-242959-9	L602182-09 MW-17C	Total/NA	Water	SM 4500 S2 D	
240-242959-10	L602182-10 MW-17D	Total/NA	Water	SM 4500 S2 D	
240-242959-11	L602182-11 MW-17E	Total/NA	Water	SM 4500 S2 D	
240-242959-12	L602182--12 MWT-17A	Total/NA	Water	SM 4500 S2 D	
240-242959-13	L602182- 13 FIELD BLANK	Total/NA	Water	SM 4500 S2 D	
MB 570-700378/28	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 570-700378/30	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 570-700378/32	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	

General Chemistry (Continued)

Analysis Batch: 700378 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 570-700378/26	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
240-242959-1 MS	L602182-01 MW-2	Total/NA	Water	SM 4500 S2 D	
240-242959-1 MSD	L602182-01 MW-2	Total/NA	Water	SM 4500 S2 D	

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-242959-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L602182-01 MW-2
Lab Sample ID: 240-242959-1
Date Collected: 02/10/26 14:45
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.7 Rev 4.4		1	12852	JLS	EET SSM	02/24/26 16:37
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.8		1	12847	JL	EET SSM	02/24/26 13:13
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 19:08
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 11:12
Total/NA	Analysis	5310 C-2014		1	690948	PQD2	EET CLE	02/18/26 20:53
Total/NA	Analysis	SM 4500 NO2 B		1	13193	JED	EET MI	02/11/26 14:30
Total/NA	Analysis	SM 4500 S2 D		1	700378	GG0B	EET CAL 4	02/24/26 09:43
Total/NA	Analysis	SM4500 NO3 D		1	13197	JED	EET MI	02/11/26 15:03

Client Sample ID: L602182-02 MW-3
Lab Sample ID: 240-242959-2
Date Collected: 02/10/26 12:20
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.7 Rev 4.4		1	12852	JLS	EET SSM	02/24/26 16:52
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.8		1	12847	JL	EET SSM	02/24/26 13:34
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 19:16
Total/NA	Analysis	5310 C-2014		1	690948	PQD2	EET CLE	02/18/26 21:17
Total/NA	Analysis	SM 4500 NO2 B		1	13193	JED	EET MI	02/11/26 13:28
Total/NA	Analysis	SM 4500 S2 D		1	700378	GG0B	EET CAL 4	02/24/26 09:49
Total/NA	Analysis	SM4500 NO3 D		1	13197	JED	EET MI	02/11/26 14:16

Client Sample ID: L602182-03 MW-6
Lab Sample ID: 240-242959-3
Date Collected: 02/10/26 16:25
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.7 Rev 4.4		1	12852	JLS	EET SSM	02/24/26 17:09
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.8		1	12877	JL	EET SSM	02/25/26 16:04
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 19:19
Total/NA	Analysis	5310 C-2014		1	690948	PQD2	EET CLE	02/18/26 21:41
Total/NA	Analysis	SM 4500 NO2 B		1	13193	JED	EET MI	02/11/26 14:31
Total/NA	Analysis	SM 4500 S2 D		1	700378	GG0B	EET CAL 4	02/24/26 09:51
Total/NA	Analysis	SM4500 NO3 D		1	13197	JED	EET MI	02/11/26 15:34

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-242959-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L602182-04 MW-7C
Lab Sample ID: 240-242959-4
Date Collected: 02/10/26 17:27
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.7 Rev 4.4		1	12852	JLS	EET SSM	02/24/26 17:12
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.8		1	12877	JL	EET SSM	02/25/26 16:07
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 19:22
Total/NA	Analysis	5310 C-2014		1	690948	PQD2	EET CLE	02/18/26 22:05
Total/NA	Analysis	SM 4500 NO2 B		1	13193	JED	EET MI	02/11/26 14:32
Total/NA	Analysis	SM 4500 S2 D		1	700378	GG0B	EET CAL 4	02/24/26 09:53
Total/NA	Analysis	SM4500 NO3 D		1	13197	JED	EET MI	02/11/26 15:51

Client Sample ID: L602182-05 MW-12
Lab Sample ID: 240-242959-5
Date Collected: 02/10/26 17:00
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.7 Rev 4.4		1	12852	JLS	EET SSM	02/24/26 17:16
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.8		1	12877	JL	EET SSM	02/25/26 16:10
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 19:30
Total/NA	Analysis	5310 C-2014		1	691081	PQD2	EET CLE	02/19/26 19:41
Total/NA	Analysis	SM 4500 NO2 B		1	13193	JED	EET MI	02/11/26 14:31
Total/NA	Analysis	SM 4500 S2 D		1	700378	GG0B	EET CAL 4	02/24/26 09:55
Total/NA	Analysis	SM4500 NO3 D		1	13197	JED	EET MI	02/11/26 15:41

Client Sample ID: L602182-06 MW-12B
Lab Sample ID: 240-242959-6
Date Collected: 02/10/26 10:20
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.7 Rev 4.4		1	12852	JLS	EET SSM	02/24/26 17:19
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.8		1	12877	JL	EET SSM	02/25/26 16:13
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 19:33
Total/NA	Analysis	5310 C-2014		1	691081	PQD2	EET CLE	02/19/26 20:05
Total/NA	Analysis	SM 4500 NO2 B		1	13193	JED	EET MI	02/11/26 13:23
Total/NA	Analysis	SM 4500 S2 D		1	700378	GG0B	EET CAL 4	02/24/26 09:57
Total/NA	Analysis	SM4500 NO3 D		1	13197	JED	EET MI	02/11/26 13:24

Client Sample ID: L602182-07 MW-17A
Lab Sample ID: 240-242959-7

Date Collected: 02/10/26 09:36
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.7 Rev 4.4		1	12852	JLS	EET SSM	02/24/26 17:22
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 21:28
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 19:35
Total/NA	Analysis	5310 C-2014		1	691081	PQD2	EET CLE	02/19/26 20:29
Total/NA	Analysis	SM 4500 NO2 B		1	13193	JED	EET MI	02/11/26 13:23
Total/NA	Analysis	SM 4500 S2 D		1	700378	GG0B	EET CAL 4	02/24/26 09:59
Total/NA	Analysis	SM4500 NO3 D		1	13197	JED	EET MI	02/11/26 13:06

Client Sample ID: L602182-08 MW-17B
Lab Sample ID: 240-242959-8

Date Collected: 02/10/26 11:32
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.7 Rev 4.4		1	12852	JLS	EET SSM	02/24/26 17:25
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 21:31
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 19:38
Total/NA	Analysis	5310 C-2014		1	691081	PQD2	EET CLE	02/19/26 20:53
Total/NA	Analysis	SM 4500 NO2 B		1	13193	JED	EET MI	02/11/26 13:27
Total/NA	Analysis	SM 4500 S2 D		1	700378	GG0B	EET CAL 4	02/24/26 10:01
Total/NA	Analysis	SM4500 NO3 D		1	13197	JED	EET MI	02/11/26 14:07

Client Sample ID: L602182-09 MW-17C
Lab Sample ID: 240-242959-9

Date Collected: 02/10/26 12:52
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.7 Rev 4.4		1	12852	JLS	EET SSM	02/24/26 17:29
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 21:34
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 19:41
Total/NA	Analysis	5310 C-2014		1	691081	PQD2	EET CLE	02/19/26 22:52
Total/NA	Analysis	SM 4500 NO2 B		1	13193	JED	EET MI	02/11/26 13:28
Total/NA	Analysis	SM 4500 S2 D		1	700378	GG0B	EET CAL 4	02/24/26 10:03
Total/NA	Analysis	SM4500 NO3 D		1	13197	JED	EET MI	02/11/26 14:39

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-242959-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L602182-10 MW-17D
Lab Sample ID: 240-242959-10
Date Collected: 02/10/26 14:21
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.7 Rev 4.4		1	12852	JLS	EET SSM	02/24/26 17:32
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 21:36
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 19:43
Total/NA	Analysis	5310 C-2014		1	691081	PQD2	EET CLE	02/19/26 16:51
Total/NA	Analysis	SM 4500 NO2 B		1	13193	JED	EET MI	02/11/26 14:30
Total/NA	Analysis	SM 4500 S2 D		1	700378	GG0B	EET CAL 4	02/24/26 10:05
Total/NA	Analysis	SM4500 NO3 D		1	13197	JED	EET MI	02/11/26 14:55

Client Sample ID: L602182-11 MW-17E
Lab Sample ID: 240-242959-11
Date Collected: 02/10/26 15:42
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.7 Rev 4.4		1	12852	JLS	EET SSM	02/24/26 17:35
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 21:39
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 19:46
Total/NA	Analysis	5310 C-2014		1	691081	PQD2	EET CLE	02/19/26 17:15
Total/NA	Analysis	SM 4500 NO2 B		1	13193	JED	EET MI	02/11/26 14:30
Total/NA	Analysis	SM 4500 S2 D		1	700378	GG0B	EET CAL 4	02/24/26 10:09
Total/NA	Analysis	SM4500 NO3 D		1	13197	JED	EET MI	02/11/26 15:26

Client Sample ID: L602182--12 MWT-17A
Lab Sample ID: 240-242959-12
Date Collected: 02/10/26 09:36
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.7 Rev 4.4		1	12852	JLS	EET SSM	02/24/26 17:39
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 21:42
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 19:49
Total/NA	Analysis	5310 C-2014		1	691081	PQD2	EET CLE	02/19/26 17:39
Total/NA	Analysis	SM 4500 NO2 B		1	13193	JED	EET MI	02/11/26 13:23
Total/NA	Analysis	SM 4500 S2 D		1	700378	GG0B	EET CAL 4	02/24/26 10:11
Total/NA	Analysis	SM4500 NO3 D		1	13197	JED	EET MI	02/11/26 13:15

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-242959-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L602182- 13 FIELD BLANK
Lab Sample ID: 240-242959-13

Date Collected: 02/10/26 08:30
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 19:26
Dissolved	Prep	200.7			12750	RMN	EET SSM	02/18/26 15:16
Dissolved	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 21:45
Dissolved	Prep	200.8-1994 R5.4			690541	F3PF	EET CLE	02/16/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 19:52
Total/NA	Analysis	5310 C-2014		1	691081	PQD2	EET CLE	02/19/26 18:03
Total/NA	Analysis	SM 4500 NO2 B		1	13193	JED	EET MI	02/11/26 13:22
Total/NA	Analysis	SM 4500 S2 D		1	700378	GG0B	EET CAL 4	02/24/26 10:13
Total/NA	Analysis	SM4500 NO3 D		1	13197	JED	EET MI	02/11/26 12:57

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396
EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763
EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Job ID: 240-242959-1
Project/Site: Erickson Project - MNA Tier II Geochem

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-26

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26
California	State	3082	03-04-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	02-24-26
Oregon	NELAP	4175	03-09-26
USDA	US Federal Programs	525-23-159-97150	03-24-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-12-26

Laboratory: Eurofins Michigan

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Michigan	State	9180	08-07-28

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
Arizona	State	AZ0854	01-13-27
California	State	2954	07-07-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	06-30-26
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167	03-01-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-25-24-59583A1	01-24-28
Washington	State	C788	07-13-26
Wisconsin	State	399133460	08-31-26

Chain of Custody

pelozb2

Return Samples to: Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name:
Jennifer Caporale
Address :
1110 South Pennsylvania
Address 2:
City, State Zip:
Lansing, Michigan 48901
Phone:
517-702-6482
Email:
Jennifer.Caporale@LBWL.com
Deliverables:

Project Info

Company:
Lansing Board of Water & Light
Purchase Order:
Contract number 4600002189
Work Order:
Requested TAT:
Project Number:
24034575
Sample State: MI
Special Instructions:
Dissolved metals filtered in field.
Project Manager:
Howell, Leslie
Project Reference:
Sampler:
Marc Wahrer and Franklin Davis Ray
Description:
Erickson Project - MNA Tier II Geochem
Site Name:
Erickson Projects

240-242959 COC

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM4500_S2_D Total Sulfide [ROU]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	SM4500_NO3_D Nitrate [190]	SM4500_NO2_B Nitrite [190]	5310C TOC [240]	Voa Vial 40ml - with Sulfuric Acid	Plastic 1 liter Wide - Unpreserved	Plastic 250ml - with Zinc Acetate & NaOH	Plastic 500ml - w/ Nitric - Dis.	Total Bottles For Sample
1	L602182-01 MW-2	Grab	Water	02/10/26 14:45				X	X	X	X	X	3	1	1	1	6
2	L602182-02 MW-3	Grab	Water	02/10/26 12:20				X	X	X	X	X	3	1	1	1	6
3	L602182-03 MW-6	Grab	Water	02/10/26 16:25				X	X	X	X	X	3	1	1	1	6
4	L602182-04 MW-7C	Grab	Water	02/10/26 17:27				X	X	X	X	X	3	1	1	1	6
5	L602182-05 MW-12	Grab	Water	02/10/26 17:00				X	X	X	X	X	3	1	1	1	6
6	L602182-06 MW-12B	Grab	Water	02/10/26 10:20				X	X	X	X	X	3	1	1	1	6
7	L602182-07 MW-17A	Grab	Water	02/10/26 09:36				X	X	X	X	X	3	1	1	1	6
8	L602182-08 MW-17B	Grab	Water	02/10/26 11:32				X	X	X	X	X	3	1	1	1	6
9	L602182-09 MW-17C	Grab	Water	02/10/26 00:52				X	X	X	X	X	3	1	1	1	6
10	L602182-10 MW-17D	Grab	Water	02/10/26 14:21				X	X	X	X	X	3	1	1	1	6
11	L602182-11 MW-17E	Grab	Water	02/10/26 15:42				X	X	X	X	X	3	1	1	1	6
12	L602182-12 MWT-17A	Grab	Water	02/10/26 09:36				X	X	X	X	X	3	1	1	1	6

Chain of Custody Number: **453650**

*H – Analysis on hold.

Chain of Custody

Return Samples to: Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name:
Jennifer Caporale
Address :
1110 South Pennsylvania
Address 2:
City, State Zip:
Lansing, Michigan 48901
Phone:
517-702-6482
Email:
Jennifer.Caporale@LBWL.com
Deliverables:

Project Info

Company:
Lansing Board of Water & Light
Purchase Order:
Contract number 4600002189
Work Order:
Requested TAT:
Project Number:
24034575
Sample State: MI
Special Instructions:
Dissolved metals filtered in field.
Project Manager:
Howell, Leslie
Project Reference:
Sampler:
Marc Wahrer and Franklin Davis Ray
Description:
Erickson Project - MNA Tier II Geochem
Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM4500_S2_D Total Sulfide [ROU]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	SM4500_NO3_D Nitrate [190]	SM4500_NO2_B Nitrite [190]	5310C TOC [240]	Voa Vial 40ml - with Sulfuric Acid	Plastic 1 liter Wide - Unpreserved	Plastic 250ml - with Zinc Acetate & NaOH	Plastic 500ml - w/ Nitric - Dis.	Total Bottles For Sample
13	L602182-13 Field Blank	Grab	Water	02/10/26 08:30				X	X	X	X	X	3	1	1	1	6

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished To:	Date/Time:		
Jennifer Caporale	02/11/26 09:43	Michigan - Waypoint courier Jennifer Caporale	02/11/26 09:43	JCollins	2/12/26 945

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260211A003								
MIC20260211A005								
MIC20260211A006								
MIC20260211A006								

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4/7/2026 (Rev. 2)

Chain of Custody Number: **453650**

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :_____
Barberton Facility

Client Lansing Board of Water & Light Site Name_____ Cooler unpacked by: JC

Cooler Received on 2-12-26 Opened on 2-12-26

FedEx: 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other_____

Receipt After-hours: Drop-off Date/Time_____ Storage Location_____

Eurofins Cooler # 20 Foam Box Client Cooler Box Other_____

Packing material used: Bubble Wrap Foam (Plastic Bag) None Other_____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☑ See Multiple Cooler Form

IR GUN # 17 (CF +0.5 °C) Observed Cooler Temp.___.___°C Corrected Cooler Temp.___.___°C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No	
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No	NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)	
-Were tamper/custody seals intact and uncompromised?	(Yes) No	NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes) No	
4. Did custody papers accompany the sample(s)?	(Yes) No	
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes) No	
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes (No)	
7. Did all bottles arrive in good condition (Unbroken)?	(Yes) No	
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No	
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	
10. Were correct bottle(s) used for the test(s) indicated?	(Yes) No	
11. Sufficient quantity received to perform indicated analyses?	(Yes) No	
12. Are these work share samples and all listed on the COC?	Yes (No)	
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No	NA pH Strip Lot# HC567196
14. Were VOAs on the COC?	(Yes) No	
15. Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes (No)	NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes (No)	
17. Was a LL Hg or Me Hg trip blank present? _____	Yes (No)	

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM_____ Date_____ by_____ via Verbal Voice Mail Other

Concerning_____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: BL
Labels Verified by: JAC

19. SAMPLE CONDITION

Sample(s)_____were received after the recommended holding time had expired.
Sample(s)_____were received in a broken container.
Sample(s)_____were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s)_____were further preserved in the laboratory.
Time preserved:_____Preservative(s) added/Lot number(s):_____

VOA Sample Preservation - Date/Time VOAs Frozen:_____

Login # : _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: V7	3.6	4.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.9	3.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.4	2.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	3.6	4.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	0.4	0.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.4	1.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	3.6	4.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	3.3	3.8	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602182-01 MW-2	240-242959-A-1	Voa Vial 40ml - with Sulfuric Acid				
L602182-01 MW-2	240-242959-B-1	Voa Vial 40ml - with Sulfuric Acid				
L602182-01 MW-2	240-242959-C-1	Voa Vial 40ml - with Sulfuric Acid				
L602182-01 MW-2	240-242959-E-1	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602182-01 MW-2	240-242959-F-1	Plastic 500ml - w/ Nitric - Dis.	<2			
L602182-01 MW-2	240-242959-G-1	Plastic 250ml - w/nitric - dis	<2			
L602182-01 MW-2	240-242959-H-1	Plastic 1 liter Wide - Unpreserved				
L602182-02 MW-3	240-242959-A-2	Voa Vial 40ml - with Sulfuric Acid				
L602182-02 MW-3	240-242959-B-2	Voa Vial 40ml - with Sulfuric Acid				
L602182-02 MW-3	240-242959-C-2	Voa Vial 40ml - with Sulfuric Acid				
L602182-02 MW-3	240-242959-D-2	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602182-02 MW-3	240-242959-E-2	Plastic 500ml - w/ Nitric - Dis.	<2			
L602182-02 MW-3	240-242959-G-2	Plastic 250ml - w/nitric - dis	<2			
L602182-02 MW-3	240-242959-H-2	Plastic 1 liter Wide - Unpreserved				
L602182-03 MW-6	240-242959-A-3	Voa Vial 40ml - with Sulfuric Acid				
L602182-03 MW-6	240-242959-B-3	Voa Vial 40ml - with Sulfuric Acid				
L602182-03 MW-6	240-242959-C-3	Voa Vial 40ml - with Sulfuric Acid				
L602182-03 MW-6	240-242959-D-3	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602182-03 MW-6	240-242959-E-3	Plastic 500ml - w/ Nitric - Dis.	<2			
L602182-03 MW-6	240-242959-G-3	Plastic 250ml - w/nitric - dis	<2			
L602182-03 MW-6	240-242959-H-3	Plastic 1 liter Wide - Unpreserved				
L602182-04 MW-7C	240-242959-A-4	Voa Vial 40ml - with Sulfuric Acid				
L602182-04 MW-7C	240-242959-B-4	Voa Vial 40ml - with Sulfuric Acid				
L602182-04 MW-7C	240-242959-C-4	Voa Vial 40ml - with Sulfuric Acid				
L602182-04 MW-7C	240-242959-D-4	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602182-04 MW-7C	240-242959-E-4	Plastic 500ml - w/ Nitric - Dis.	<2			
L602182-04 MW-7C	240-242959-G-4	Plastic 250ml - w/nitric - dis	<2			
L602182-04 MW-7C	240-242959-H-4	Plastic 1 liter Wide - Unpreserved				
L602182-05 MW-12	240-242959-A-5	Voa Vial 40ml - with Sulfuric Acid				
L602182-05 MW-12	240-242959-B-5	Voa Vial 40ml - with Sulfuric Acid				
L602182-05 MW-12	240-242959-C-5	Voa Vial 40ml - with Sulfuric Acid				
L602182-05 MW-12	240-242959-D-5	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602182-05 MW-12	240-242959-E-5	Plastic 500ml - w/ Nitric - Dis.	<2			
L602182-05 MW-12	240-242959-G-5	Plastic 250ml - w/nitric - dis	<2			
L602182-05 MW-12	240-242959-H-5	Plastic 1 liter Wide - Unpreserved				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602182-06 MW-12B	240-242959-A-6	Voa Vial 40ml - with Sulfuric Acid				
L602182-06 MW-12B	240-242959-B-6	Voa Vial 40ml - with Sulfuric Acid				
L602182-06 MW-12B	240-242959-C-6	Voa Vial 40ml - with Sulfuric Acid				
L602182-06 MW-12B	240-242959-D-6	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602182-06 MW-12B	240-242959-E-6	Plastic 500ml - w/ Nitric - Dis.	<2			
L602182-06 MW-12B	240-242959-G-6	Plastic 250ml - w/nitric - dis	<2			
L602182-06 MW-12B	240-242959-H-6	Plastic 1 liter Wide - Unpreserved				
L602182-07 MW-17A	240-242959-A-7	Voa Vial 40ml - with Sulfuric Acid				
L602182-07 MW-17A	240-242959-B-7	Voa Vial 40ml - with Sulfuric Acid				
L602182-07 MW-17A	240-242959-C-7	Voa Vial 40ml - with Sulfuric Acid				
L602182-07 MW-17A	240-242959-D-7	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602182-07 MW-17A	240-242959-E-7	Plastic 500ml - w/ Nitric - Dis.	<2			
L602182-07 MW-17A	240-242959-G-7	Plastic 250ml - w/nitric - dis	<2			
L602182-07 MW-17A	240-242959-H-7	Plastic 1 liter Wide - Unpreserved				
L602182-08 MW-17B	240-242959-A-8	Voa Vial 40ml - with Sulfuric Acid				
L602182-08 MW-17B	240-242959-B-8	Voa Vial 40ml - with Sulfuric Acid				
L602182-08 MW-17B	240-242959-C-8	Voa Vial 40ml - with Sulfuric Acid				
L602182-08 MW-17B	240-242959-D-8	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602182-08 MW-17B	240-242959-E-8	Plastic 500ml - w/ Nitric - Dis.	<2			
L602182-08 MW-17B	240-242959-G-8	Plastic 250ml - w/nitric - dis	<2			
L602182-08 MW-17B	240-242959-H-8	Plastic 1 liter Wide - Unpreserved				
L602182-09 MW-17C	240-242959-A-9	Voa Vial 40ml - with Sulfuric Acid				
L602182-09 MW-17C	240-242959-B-9	Voa Vial 40ml - with Sulfuric Acid				
L602182-09 MW-17C	240-242959-C-9	Voa Vial 40ml - with Sulfuric Acid				
L602182-09 MW-17C	240-242959-D-9	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602182-09 MW-17C	240-242959-E-9	Plastic 500ml - w/ Nitric - Dis.	<2			
L602182-09 MW-17C	240-242959-G-9	Plastic 250ml - w/nitric - dis	<2			
L602182-09 MW-17C	240-242959-H-9	Plastic 1 liter Wide - Unpreserved				
L602182-10 MW-17D	240-242959-A-10	Voa Vial 40ml - with Sulfuric Acid				
L602182-10 MW-17D	240-242959-B-10	Voa Vial 40ml - with Sulfuric Acid				
L602182-10 MW-17D	240-242959-C-10	Voa Vial 40ml - with Sulfuric Acid				
L602182-10 MW-17D	240-242959-D-10	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602182-10 MW-17D	240-242959-E-10	Plastic 500ml - w/ Nitric - Dis.	<2			
L602182-10 MW-17D	240-242959-G-10	Plastic 250ml - w/nitric - dis	<2			
L602182-10 MW-17D	240-242959-H-10	Plastic 1 liter Wide - Unpreserved				
L602182-11 MW-17E	240-242959-A-11	Voa Vial 40ml - with Sulfuric Acid				
L602182-11 MW-17E	240-242959-B-11	Voa Vial 40ml - with Sulfuric Acid				
L602182-11 MW-17E	240-242959-C-11	Voa Vial 40ml - with Sulfuric Acid				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602182-11 MW-17E	240-242959-D-11	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602182-11 MW-17E	240-242959-E-11	Plastic 500ml - w/ Nitric - Dis.	<2			
L602182-11 MW-17E	240-242959-G-11	Plastic 250ml - w/nitric - dis	<2			
L602182-11 MW-17E	240-242959-H-11	Plastic 1 liter Wide - Unpreserved				
L602182--12 MWT-17A	240-242959-A-12	Voa Vial 40ml - with Sulfuric Acid				
L602182--12 MWT-17A	240-242959-B-12	Voa Vial 40ml - with Sulfuric Acid				
L602182--12 MWT-17A	240-242959-C-12	Voa Vial 40ml - with Sulfuric Acid				
L602182--12 MWT-17A	240-242959-D-12	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602182--12 MWT-17A	240-242959-E-12	Plastic 500ml - w/ Nitric - Dis.	<2			
L602182--12 MWT-17A	240-242959-G-12	Plastic 250ml - w/nitric - dis	<2			
L602182--12 MWT-17A	240-242959-H-12	Plastic 1 liter Wide - Unpreserved				
L602182- 13 FIELD BLANK	240-242959-A-13	Voa Vial 40ml - with Sulfuric Acid				
L602182- 13 FIELD BLANK	240-242959-B-13	Voa Vial 40ml - with Sulfuric Acid				
L602182- 13 FIELD BLANK	240-242959-C-13	Voa Vial 40ml - with Sulfuric Acid				
L602182- 13 FIELD BLANK	240-242959-D-13	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602182- 13 FIELD BLANK	240-242959-E-13	Plastic 500ml - w/ Nitric - Dis.	<2			
L602182- 13 FIELD BLANK	240-242959-G-13	Plastic 250ml - w/nitric - dis	<2			
L602182- 13 FIELD BLANK	240-242959-H-13	Plastic 1 liter Wide - Unpreserved				

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214248.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-242959-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/18/2026			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Therm. ID: SC02 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 13.0/13.2 °C
Delivery: UPS / FedEx / Other
Ice Type: Blue / Dry / Wet / None
Label Ver.: D Packing: B
Mel Blu

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRDissolved Boron	Total Number of Containers	Special Instructions/Note:
			Preservation Code:							
L602182-01 MW-2 (240-242959-1)	2/10/26	14:45 Eastern	G	Water			X	X	1	
L602182-02 MW-3 (240-242959-2)	2/10/26	12:20 Eastern	G	Water			X	X	1	
L602182-03 MW-6 (240-242959-3)	2/10/26	16:25 Eastern	G	Water			X	X	1	
L602182-04 MW-7C (240-242959-4)	2/10/26	17:27 Eastern	G	Water			X	X	1	
L602182-05 MW-12 (240-242959-5)	2/10/26	17:00 Eastern	G	Water			X	X	1	
L602182-06 MW-12B (240-242959-6)	2/10/26	10:20 Eastern	G	Water			X	X	1	
L602182-07 MW-17A (240-242959-7)	2/10/26	09:36 Eastern	G	Water			X	X	1	
L602182-08 MW-17B (240-242959-8)	2/10/26	11:32 Eastern	G	Water			X	X	1	
L602182-09 MW-17C (240-242959-9)	2/10/26	12:52 Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification: Unconfirmed 4496 1532 7146	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: JLM	Date/Time: 2/17/26 1500	Company: EE	Received by:	Date/Time: 2/18/26 9:25	Company: EET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214248 2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-242959-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/18/2026			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRDDissolved Boron	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
L602182-10 MW-17D (240-242959-10)	2/10/26	14:21 Eastern	G	Water			X	X	1	
L602182-11 MW-17E (240-242959-11)	2/10/26	15 42 Eastern	G	Water			X	X	1	
L602182--12 MWT-17A (240-242959-12)	2/10/26	09 36 Eastern	G	Water			X	X	1	
L602182- 13 FIELD BLANK (240-242959-13)	2/10/26	08 30 Eastern	G	Water			X	X	1	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
JLM	2/17/26 1500	ET		2/18/26 9:25	FGLN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 10/10/2024

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Enviror

Loc: 240
242959

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214250.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-242959-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 2/18/2026			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_S2_DTotal Sulfide	Total Number of containers	Special I
			Preservation Code:						
L602182-01 MW-2 (240-242959-1)	2/10/26	14:45 Eastern	G	Water			X	1	
L602182-02 MW-3 (240-242959-2)	2/10/26	12:20 Eastern	G	Water			X	1	
L602182-03 MW-6 (240-242959-3)	2/10/26	16:25 Eastern	G	Water			X	1	
L602182-04 MW-7C (240-242959-4)	2/10/26	17:27 Eastern	G	Water			X	1	
L602182-05 MW-12 (240-242959-5)	2/10/26	17:00 Eastern	G	Water			X	1	
L602182-06 MW-12B (240-242959-6)	2/10/26	10:20 Eastern	G	Water			X	1	
L602182-07 MW-17A (240-242959-7)	2/10/26	09:36 Eastern	G	Water			X	1	
L602182-08 MW-17B (240-242959-8)	2/10/26	11:32 Eastern	G	Water			X	1	
L602182-09 MW-17C (240-242959-9)	2/10/26	12:52 Eastern	G	Water			X	1	

240-242959 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	JLS	2/17/26 1502	EC	[signature]	2/18/26 940	EC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.2/1.1 IR3

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214250.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-242959-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 2/18/2026			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_S2_DTotal Sulfide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
L602182-10 MW-17D (240-242959-10)	2/10/26	14:21 Eastern	G	Water			X	1	
L602182-11 MW-17E (240-242959-11)	2/10/26	15:42 Eastern	G	Water			X	1	
L602182--12 MWT-17A (240-242959-12)	2/10/26	09:36 Eastern	G	Water			X	1	
L602182- 13 FIELD BLANK (240-242959-13)	2/10/26	08:30 Eastern	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	JLS	2/17/26 1506	EC	[signature]	2/18/26 940	EC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.2 | 1.1 IR3

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-242959-1

Login Number: 242959
List Number: 4
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 02/19/26 02:07 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-242959-1

Login Number: 242959
List Number: 2
Creator: Daymon, Jade E

List Source: Eurofins Michigan
List Creation: 02/16/26 03:04 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-242959-1

Login Number: 242959
List Number: 3
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 02/18/26 01:00 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

Generated 4/7/2026 3:58:21 PM Revision 1

JOB DESCRIPTION

Erickson Wellfield Project

JOB NUMBER

240-243052-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated
4/7/2026 3:58:21 PM
Revision 1

Authorized for release by
Kris Brooks, Manager of Project Management
Kris.Brooks@et.eurofinsus.com
Designee for
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

Table of Contents

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Definitions/Glossary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
240-243052-1

REVISION

The report being provided is a revision of the original report sent on 2/27/2026. The report (revision 1) is being revised due to sample ID for sample L602181-12 MW-17A was corrected to L602181-12 MWT-17A.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/12/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 0.9°C, 1.9°C, 2.9°C, 3.4°C, 3.8°C, 4.1°C, 4.1°C and 4.1°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET SSM
200.8	Metals (ICP/MS)	EPA	EET SSM
200.8-1994 R5.4	Metals (ICP/MS)	EPA	EET CLE
2340 B-2021	Total Hardness (as CaCO3) by calculation	SM	EET CLE
245.1-1994 R3.0	Mercury (CVAA)	EPA	EET CLE
2320 B-2021	Alkalinity	SM	EET CLE
2540 C-2020	Solids, Total Dissolved (TDS)	SM	EET CLE
2540D-2020	Solids, Total Suspended (TSS)	SM	EET CLE
300.0-1993 R2.1	Anions, Ion Chromatography	EPA	EET CLE
200.7	Preparation, Total Metals	EPA	EET SSM
200.8	Preparation, Total Metals	EPA	EET SSM
200.8-1994 R5.4	Preparation, Total Recoverable Metals	EPA	EET CLE
245.1-1994 R3.0	Preparation, Mercury	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-243052-1	L602178-01 MW-16A	Water	02/09/26 11:43	02/12/26 08:00	Michigan
240-243052-2	L602178-02 MW-16B	Water	02/09/26 13:15	02/12/26 08:00	Michigan
240-243052-3	L602178-03 MW-16C	Water	02/09/26 14:49	02/12/26 08:00	Michigan
240-243052-4	L602178-04 MW-16D	Water	02/09/26 11:28	02/12/26 08:00	Michigan
240-243052-5	L602178-05 MWT-16B	Water	02/09/26 13:15	02/12/26 08:00	Michigan
240-243052-6	L602178-06 FIELD BLANK	Water	02/09/26 08:30	02/12/26 08:00	Michigan
240-243052-7	L602181-01 MW-2	Water	02/10/26 14:45	02/12/26 08:00	Michigan
240-243052-8	L602181-02 MW-3	Water	02/10/26 12:20	02/12/26 08:00	Michigan
240-243052-9	L602181-03 MW-6	Water	02/10/26 16:25	02/12/26 08:00	Michigan
240-243052-10	L602181-04 MW-7C	Water	02/10/26 17:27	02/12/26 08:00	Michigan
240-243052-11	L602181-05 MW-12	Water	02/10/26 10:00	02/12/26 08:00	Michigan
240-243052-12	L602181-06 MW-12B	Water	02/10/26 10:20	02/12/26 08:00	Michigan
240-243052-13	L602181-07 MW-17A	Water	02/10/26 09:36	02/12/26 08:00	Michigan
240-243052-14	L602181-08 MW-17B	Water	02/10/26 11:32	02/12/26 08:00	Michigan
240-243052-15	L602181-09 MW-17C	Water	02/10/26 12:52	02/12/26 08:00	Michigan
240-243052-16	L602181-10 MW-17D	Water	02/10/26 14:21	02/12/26 08:00	Michigan
240-243052-17	L602181-11 MW-17E	Water	02/10/26 15:42	02/12/26 08:00	Michigan
240-243052-18	L602181-12 MWT-17A	Water	02/10/26 09:36	02/12/26 08:00	Michigan
240-243052-19	L602181-13 FIELD BLANK	Water	02/10/26 08:30	02/12/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602178-01 MW-16A — Lab Sample ID: 240-243052-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Na	230		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.00093	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.10		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Beryllium	0.00045	J	0.0010	0.00027	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cadmium	0.00023	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00058	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0014	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Antimony	0.00098	J	0.0020	0.00057	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	92		20	16	ug/L	1		200.8-1994 R5.4	Total Recoverable
Calcium	160		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	35		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.78		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	540		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	400		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	1100		20	16	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	2.6	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	360		10	1.3	mg/L	10		300.0-1993 R2.1	Total/NA
Fluoride	0.070		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	210		10	3.5	mg/L	10		300.0-1993 R2.1	Total/NA

Client Sample ID: L602178-02 MW-16B — Lab Sample ID: 240-243052-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	2.4	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	13		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.078		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0054		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	83		20	16	ug/L	1		200.8-1994 R5.4	Total Recoverable
Calcium	73		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	31		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.017		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.40		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	310		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	350		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	350		10	7.8	mg/L	1		2540 C-2020	Total/NA
Chloride	17		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.99		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	22		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602178-03 MW-16C — Lab Sample ID: 240-243052-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	4.5		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	9.4		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.024		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	340		40	32	ug/L	2		200.8-1994 R5.4	Total Recoverable
Calcium	71		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	29		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.025		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.34		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	300		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	330		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	320		10	7.8	mg/L	1		2540 C-2020	Total/NA
Chloride	1.2		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.51		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	8.9		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602178-04 MW-16D — Lab Sample ID: 240-243052-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	8.0		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	99		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0023	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.029		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0086		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	4100		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	27		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	6.8		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.030		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.42		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.0013	J	0.0070	0.00093	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	96		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	330		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	360		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.5	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	7.0		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.76		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	3.4		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602178-05 MWT-16B — Lab Sample ID: 240-243052-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	2.5	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602178-05 MWT-16B (Continued) — Lab Sample ID: 240-243052-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Na	13		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.080		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0054		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	92		20	16	ug/L	1		200.8-1994 R5.4	Total Recoverable
Calcium	76		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	32		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.018		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.42		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.0012	J	0.0070	0.00093	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	320		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	340		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	380		10	7.8	mg/L	1		2540 C-2020	Total/NA
Chloride	17		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.99		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	19		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602178-06 FIELD BLANK — Lab Sample ID: 240-243052-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO3	3.1	J	5.0	2.6	mg/L	1		2320 B-2021	Total/NA

Client Sample ID: L602181-01 MW-2 — Lab Sample ID: 240-243052-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	0.32	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	40		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium, Dissolved	0.71	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Dissolved
Sodium, Dissolved	40		0.60	0.33	mg/L	1		200.7 Rev 4.4	Dissolved
Barium	0.037		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cadmium	0.00010	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.0036		0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0069		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.011		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	2400		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	180		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	46		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.037		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Arsenic, Dissolved	0.91	J	5.0	0.75	ug/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	40		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Cadmium, Dissolved	0.13	J	1.0	0.077	ug/L	1		200.8-1994 R5.4	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602181-01 MW-2 (Continued) — Lab Sample ID: 240-243052-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt, Dissolved	3.8		1.0	0.086	ug/L	1		200.8-1994 R5.4	Dissolved
Chromium, Dissolved	1.2	J	5.0	1.2	ug/L	1		200.8-1994 R5.4	Dissolved
Copper, Dissolved	2.0		2.0	1.7	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	7.6		5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	12		2.0	1.5	ug/L	1		200.8-1994 R5.4	Dissolved
Antimony, Dissolved	0.98	J	2.0	0.57	ug/L	1		200.8-1994 R5.4	Dissolved
Vanadium, Dissolved	0.82	J	5.0	0.82	ug/L	1		200.8-1994 R5.4	Dissolved
Boron, Dissolved	2500		400	320	ug/L	20		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	190000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	49000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	36		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Iron	0.22		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.0018	J	0.0070	0.00093	mg/L	1		200.8	Total/NA
Iron, Dissolved	0.028	J	0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0013	J	0.0070	0.00093	mg/L	1		200.8	Dissolved
Hardness as calcium carbonate	640		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	480		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	910		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	4.4		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	57		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.045	J	0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	170		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602181-02 MW-3 — Lab Sample ID: 240-243052-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	0.67	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	100		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0024	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.013		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00043	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.15		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.0029		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	5000		1000	800	ug/L	50		200.8-1994 R5.4	Total Recoverable
Calcium	220		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	40		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.074		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	1.7		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.0013	J	0.0070	0.00093	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	710		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	190		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	1300		20	16	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	4.1		4.0	0.40	mg/L	1		2540D-2020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602181-02 MW-3 (Continued) — Lab Sample ID: 240-243052-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	95		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.13		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	670		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L602181-03 MW-6 — Lab Sample ID: 240-243052-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	6.5		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	32		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.051		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00045	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.022		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.0027		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	700		100	80	ug/L	5		200.8-1994 R5.4	Total Recoverable
Calcium	170		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	39		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.052		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.019	J	0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.0015	J	0.0070	0.00093	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	600		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	460		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	830		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	0.80	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	48		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.23		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	220		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L602181-04 MW-7C — Lab Sample ID: 240-243052-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	4.7		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	87		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0045	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.037		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.34		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.0061		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	5900		1000	800	ug/L	50		200.8-1994 R5.4	Total Recoverable
Calcium	220		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	39		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602181-04 MW-7C (Continued) — Lab Sample ID: 240-243052-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.11		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	3.8		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	700		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	150		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	1200		20	16	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	6.4		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	88		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.27		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	640		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L602181-05 MW-12 — Lab Sample ID: 240-243052-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	870		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	21		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	56		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.14		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	180		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602181-06 MW-12B — Lab Sample ID: 240-243052-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	7.0		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	100		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.023		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	2900		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	24		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	7.3		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.036		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.24		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	90		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	340		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	340		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	0.90	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	1.1		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.68		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602181-07 MW-17A — Lab Sample ID: 240-243052-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	2.6	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	54		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0023	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.039		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602181-07 MW-17A (Continued) — Lab Sample ID: 240-243052-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.00023	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.028		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.013		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	3900		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	260		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	68		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.052		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	7.2		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.47		0.0070	0.00093	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	930		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	240		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	1100		20	16	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	13		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	73		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.19		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	720		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L602181-08 MW-17B — Lab Sample ID: 240-243052-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	4.4		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	71		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0032	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.039		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00015	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.11		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.0033		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1800		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	130		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	29		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.092		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	1.8		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.30		0.0070	0.00093	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	450		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	170		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	740		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	4.1		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	76		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602181-08 MW-17B (Continued) — Lab Sample ID: 240-243052-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.29		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	330		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L602181-09 MW-17C — Lab Sample ID: 240-243052-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	11		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	78		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0042	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.056		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00052	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.029		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.0054		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1700		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	190		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	47		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.037		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	3.1		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	1.1		0.0070	0.00093	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	670		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	220		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	990		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	4.5		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	43		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.27		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	560		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L602181-10 MW-17D — Lab Sample ID: 240-243052-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	11		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	45		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.00098	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.048		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00035	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0067		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	2300		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	68		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	19		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602181-10 MW-17D (Continued) — Lab Sample ID: 240-243052-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.033		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.52		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	4.3		0.035	0.0046	mg/L	5		200.8	Total/NA
Hardness as calcium carbonate	250		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	300		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	370		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.2	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	7.7		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.44		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	67		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602181-11 MW-17E — Lab Sample ID: 240-243052-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	10		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	160		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.015		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00024	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0077		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	2600		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	39		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	7.9		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.026		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.073	J	0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.50		0.0070	0.00093	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	130		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	300		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	540		10	7.8	mg/L	1		2540 C-2020	Total/NA
Chloride	12		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.89		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	170		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602181-12 MWT-17A — Lab Sample ID: 240-243052-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	2.6	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	53		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0020	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.040		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00022	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.027		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602181-12 MWT-17A (Continued) — Lab Sample ID: 240-243052-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.012		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	4000		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	260		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	68		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.052		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	6.7		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.46		0.0070	0.00093	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	920		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	240		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	1300		20	16	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	14		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	73		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.20		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	710		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L602181-13 FIELD BLANK — Lab Sample ID: 240-243052-19

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602178-01 MW-16A

Date Collected: 02/09/26 11:43
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-1

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		02/19/26 16:19	02/24/26 19:36	1
Na	**230**		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 19:36	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 16:42	1
Arsenic	**0.00093**	**J**	0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 16:42	1
Barium	**0.10**		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 16:42	1
Beryllium	**0.00045**	**J**	0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 16:42	1
Cadmium	**0.00023**	**J**	0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 16:42	1
Cobalt	**0.00058**	**J**	0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 16:42	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 16:42	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 16:42	1
Molybdenum	**0.0014**	**J**	0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 16:42	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 16:42	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 16:42	1
Antimony	**0.00098**	**J**	0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 16:42	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 16:42	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 16:42	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 16:42	1
Boron	**92**		20	16	ug/L		02/20/26 14:00	02/24/26 10:18	1
Calcium	**160**		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 16:42	1
Magnesium	**35**		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 16:42	1
Lithium	ND		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 16:42	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.78**		0.10	0.013	mg/L		02/19/26 16:19	02/20/26 17:50	1
Zinc	ND		0.0070	0.00093	mg/L		02/19/26 16:19	02/20/26 17:50	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**540**		33	33	mg/L			02/24/26 06:56	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**400**		5.0	2.6	mg/L			02/16/26 17:01	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 17:01	1
Total Dissolved Solids (SM 2540 C-2020)	**1100**		20	16	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	**2.6**	**J**	4.0	0.40	mg/L			02/16/26 10:14	1
Chloride (EPA 300.0-1993 R2.1)	**360**		10	1.3	mg/L			02/17/26 14:12	10
Fluoride (EPA 300.0-1993 R2.1)	**0.070**		0.050	0.024	mg/L			02/17/26 14:04	1
Sulfate (EPA 300.0-1993 R2.1)	**210**		10	3.5	mg/L			02/17/26 14:12	10

Client Sample ID: L602178-02 MW-16B

Date Collected: 02/09/26 13:15
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-2

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**2.4**	**J**	3.3	0.17	mg/L		02/19/26 16:19	02/24/26 19:52	1
Na	**13**		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 19:52	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 16:51	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 16:51	1
Barium	**0.078**		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 16:51	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 16:51	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 16:51	1
Cobalt	ND		0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 16:51	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 16:51	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 16:51	1
Molybdenum	**0.0054**		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 16:51	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 16:51	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 16:51	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 16:51	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 16:51	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 16:51	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 16:51	1
Boron	**83**		20	16	ug/L		02/20/26 14:00	02/24/26 10:20	1
Calcium	**73**		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 16:51	1
Magnesium	**31**		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 16:51	1
Lithium	**0.017**		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 16:51	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.40**		0.10	0.013	mg/L		02/19/26 16:19	02/20/26 18:11	1
Zinc	ND		0.0070	0.00093	mg/L		02/19/26 16:19	02/20/26 18:11	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**310**		33	33	mg/L			02/24/26 06:56	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**350**		5.0	2.6	mg/L			02/16/26 17:10	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 17:10	1
Total Dissolved Solids (SM 2540 C-2020)	**350**		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/16/26 10:14	1
Chloride (EPA 300.0-1993 R2.1)	**17**		1.0	0.13	mg/L			02/17/26 14:20	1
Fluoride (EPA 300.0-1993 R2.1)	**0.99**		0.050	0.024	mg/L			02/17/26 14:20	1
Sulfate (EPA 300.0-1993 R2.1)	**22**		1.0	0.35	mg/L			02/17/26 14:20	1

Client Sample ID: L602178-03 MW-16C

Lab Sample ID: 240-243052-3

Date Collected: 02/09/26 14:49

Matrix: Water

Date Received: 02/12/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**4.5**		3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:08	1
Na	**9.4**		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:08	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 16:53	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 16:53	1
Barium	**0.024**		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 16:53	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 16:53	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 16:53	1
Cobalt	ND		0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 16:53	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 16:53	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 16:53	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 16:53	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 16:53	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 16:53	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 16:53	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 16:53	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 16:53	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 16:53	1
Boron	**340**		40	32	ug/L		02/20/26 14:00	02/24/26 10:26	2
Calcium	**71**		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 16:53	1
Magnesium	**29**		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 16:53	1
Lithium	**0.025**		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 16:53	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.34**		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 20:23	1
Zinc	ND		0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 20:23	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**300**		33	33	mg/L			02/24/26 06:56	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**330**		5.0	2.6	mg/L			02/16/26 17:18	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 17:18	1
Total Dissolved Solids (SM 2540 C-2020)	**320**		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/16/26 10:14	1
Chloride (EPA 300.0-1993 R2.1)	**1.2**		1.0	0.13	mg/L			02/17/26 14:27	1
Fluoride (EPA 300.0-1993 R2.1)	**0.51**		0.050	0.024	mg/L			02/17/26 14:27	1
Sulfate (EPA 300.0-1993 R2.1)	**8.9**		1.0	0.35	mg/L			02/17/26 14:27	1

Client Sample ID: L602178-04 MW-16D

Date Collected: 02/09/26 11:28
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-4

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**8.0**		3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:11	1
Na	**99**		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:11	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 16:56	1
Arsenic	**0.0023**	**J**	0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 16:56	1
Barium	**0.029**		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 16:56	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 16:56	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 16:56	1
Cobalt	ND		0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 16:56	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 16:56	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 16:56	1
Molybdenum	**0.0086**		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 16:56	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 16:56	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 16:56	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 16:56	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 16:56	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 16:56	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 16:56	1
Boron	**4100**		400	320	ug/L		02/20/26 14:00	02/24/26 10:28	20
Calcium	**27**		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 16:56	1
Magnesium	**6.8**		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 16:56	1
Lithium	**0.030**		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 16:56	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.42**		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 20:26	1
Zinc	**0.0013**	**J**	0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 20:26	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**96**		33	33	mg/L			02/24/26 06:56	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**330**		5.0	2.6	mg/L			02/16/26 17:27	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 17:27	1
Total Dissolved Solids (SM 2540 C-2020)	**360**		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	**1.5**	**J**	4.0	0.40	mg/L			02/16/26 10:14	1
Chloride (EPA 300.0-1993 R2.1)	**7.0**		1.0	0.13	mg/L			02/17/26 14:35	1
Fluoride (EPA 300.0-1993 R2.1)	**0.76**		0.050	0.024	mg/L			02/17/26 14:35	1
Sulfate (EPA 300.0-1993 R2.1)	**3.4**		1.0	0.35	mg/L			02/17/26 14:35	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602178-05 MWT-16B

Date Collected: 02/09/26 13:15
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-5

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**2.5**	**J**	3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:14	1
Na	**13**		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:14	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 16:59	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 16:59	1
Barium	**0.080**		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 16:59	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 16:59	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 16:59	1
Cobalt	ND		0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 16:59	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 16:59	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 16:59	1
Molybdenum	**0.0054**		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 16:59	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 16:59	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 16:59	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 16:59	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 16:59	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 16:59	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 16:59	1
Boron	**92**		20	16	ug/L		02/20/26 14:00	02/24/26 10:31	1
Calcium	**76**		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 16:59	1
Magnesium	**32**		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 16:59	1
Lithium	**0.018**		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 16:59	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.42**		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 20:29	1
Zinc	**0.0012**	**J**	0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 20:29	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**320**		33	33	mg/L			02/24/26 06:56	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**340**		5.0	2.6	mg/L			02/16/26 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 17:35	1
Total Dissolved Solids (SM 2540 C-2020)	**380**		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/16/26 10:14	1
Chloride (EPA 300.0-1993 R2.1)	**17**		1.0	0.13	mg/L			02/17/26 14:58	1
Fluoride (EPA 300.0-1993 R2.1)	**0.99**		0.050	0.024	mg/L			02/17/26 14:58	1
Sulfate (EPA 300.0-1993 R2.1)	**19**		1.0	0.35	mg/L			02/17/26 14:58	1

Client Sample ID: L602178-06 FIELD BLANK

Lab Sample ID: 240-243052-6

Date Collected: 02/09/26 08:30

Matrix: Water

Date Received: 02/12/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:18	1
Na	ND		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:18	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 17:01	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 17:01	1
Barium	ND		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 17:01	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 17:01	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 17:01	1
Cobalt	ND		0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 17:01	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 17:01	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 17:01	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 17:01	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 17:01	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 17:01	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 17:01	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 17:01	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 17:01	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 17:01	1
Boron	ND		20	16	ug/L		02/20/26 14:00	02/24/26 10:34	1
Calcium	ND		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 17:01	1
Magnesium	ND		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 17:01	1
Lithium	ND		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 17:01	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 20:32	1
Zinc	ND		0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 20:32	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		33	33	mg/L			02/24/26 06:56	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**3.1**	**J**	5.0	2.6	mg/L			02/16/26 18:22	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 18:22	1
Total Dissolved Solids (SM 2540 C-2020)	ND		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/16/26 10:14	1
Chloride (EPA 300.0-1993 R2.1)	ND		1.0	0.13	mg/L			02/17/26 15:06	1
Fluoride (EPA 300.0-1993 R2.1)	ND		0.050	0.024	mg/L			02/17/26 15:06	1
Sulfate (EPA 300.0-1993 R2.1)	ND		1.0	0.35	mg/L			02/17/26 15:06	1

Client Sample ID: L602181-01 MW-2

Date Collected: 02/10/26 14:45
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-7

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	0.32	J	3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:21	1
Na	40		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:21	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium, Dissolved	0.71	J	3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:24	1
Sodium, Dissolved	40		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:24	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/16/26 14:00	02/17/26 15:13	1
Arsenic	ND		0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 15:13	1
Barium	0.037		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 15:13	1
Beryllium	ND		0.0010	0.00027	mg/L		02/16/26 14:00	02/17/26 15:13	1
Cadmium	0.00010	J	0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 15:13	1
Cobalt	0.0036		0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 15:13	1
Chromium	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 15:13	1
Copper	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 15:13	1
Molybdenum	0.0069		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 15:13	1
Nickel	0.011		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 15:13	1
Lead	ND		0.0010	0.00045	mg/L		02/16/26 14:00	02/17/26 15:13	1
Antimony	ND		0.0020	0.00057	mg/L		02/16/26 14:00	02/17/26 15:13	1
Selenium	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 15:13	1
Thallium	ND		0.0010	0.00051	mg/L		02/16/26 14:00	02/17/26 15:13	1
Vanadium	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 15:13	1
Boron	2400		400	320	ug/L		02/16/26 14:00	02/19/26 11:34	20
Calcium	180		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 15:13	1
Magnesium	46		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 15:13	1
Lithium	0.037		0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 15:13	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver, Dissolved	ND		1.0	0.053	ug/L		02/17/26 16:00	02/18/26 16:37	1
Arsenic, Dissolved	0.91	J	5.0	0.75	ug/L		02/17/26 16:00	02/18/26 16:37	1
Barium, Dissolved	40		5.0	0.77	ug/L		02/17/26 16:00	02/18/26 16:37	1
Beryllium, Dissolved	ND		1.0	0.27	ug/L		02/17/26 16:00	02/18/26 16:37	1
Cadmium, Dissolved	0.13	J	1.0	0.077	ug/L		02/17/26 16:00	02/18/26 16:37	1
Cobalt, Dissolved	3.8		1.0	0.086	ug/L		02/17/26 16:00	02/18/26 16:37	1
Chromium, Dissolved	1.2	J	5.0	1.2	ug/L		02/17/26 16:00	02/18/26 16:37	1
Copper, Dissolved	2.0		2.0	1.7	ug/L		02/17/26 16:00	02/18/26 16:37	1
Molybdenum, Dissolved	7.6		5.0	1.1	ug/L		02/17/26 16:00	02/18/26 16:37	1
Nickel, Dissolved	12		2.0	1.5	ug/L		02/17/26 16:00	02/18/26 16:37	1
Lead, Dissolved	ND		1.0	0.45	ug/L		02/17/26 16:00	02/18/26 16:37	1
Antimony, Dissolved	0.98	J	2.0	0.57	ug/L		02/17/26 16:00	02/18/26 16:37	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/17/26 16:00	02/18/26 16:37	1
Thallium, Dissolved	ND		1.0	0.51	ug/L		02/17/26 16:00	02/18/26 16:37	1
Vanadium, Dissolved	0.82	J	5.0	0.82	ug/L		02/17/26 16:00	02/18/26 16:37	1
Boron, Dissolved	2500		400	320	ug/L		02/17/26 16:00	02/18/26 12:45	20
Calcium, Dissolved	190000		1000	250	ug/L		02/17/26 16:00	02/18/26 16:37	1
Magnesium, Dissolved	49000		1000	61	ug/L		02/17/26 16:00	02/18/26 16:37	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602181-01 MW-2

Date Collected: 02/10/26 14:45
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-7

Matrix: Water

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium, Dissolved	36		8.0	3.4	ug/L		02/17/26 16:00	02/18/26 16:37	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.22		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 20:35	1
Zinc	0.0018	J	0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 20:35	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.028	J	0.10	0.013	mg/L		02/19/26 16:19	02/25/26 20:37	1
Zinc, Dissolved	0.0013	J	0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 20:37	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	640		33	33	mg/L			02/24/26 06:56	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 11:21	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.20	0.13	ug/L		02/17/26 14:00	02/18/26 11:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	480		5.0	2.6	mg/L			02/16/26 18:27	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 18:27	1
Total Dissolved Solids (SM 2540 C-2020)	910		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	4.4		4.0	0.40	mg/L			02/16/26 11:24	1
Chloride (EPA 300.0-1993 R2.1)	57		1.0	0.13	mg/L			02/17/26 15:13	1
Fluoride (EPA 300.0-1993 R2.1)	0.045	J	0.050	0.024	mg/L			02/17/26 15:13	1
Sulfate (EPA 300.0-1993 R2.1)	170		1.0	0.35	mg/L			02/17/26 15:13	1

Client Sample ID: L602181-02 MW-3

Date Collected: 02/10/26 12:20
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-8

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	0.67	J	3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:28	1
Na	100		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:28	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 17:04	1
Arsenic	0.0024	J	0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 17:04	1
Barium	0.013		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 17:04	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 17:04	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 17:04	1
Cobalt	0.00043	J	0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 17:04	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 17:04	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 17:04	1
Molybdenum	0.15		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 17:04	1
Nickel	0.0029		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 17:04	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 17:04	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 17:04	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 17:04	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 17:04	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 17:04	1
Boron	5000		1000	800	ug/L		02/20/26 14:00	02/24/26 10:36	50
Calcium	220		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 17:04	1
Magnesium	40		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 17:04	1
Lithium	0.074		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 17:04	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.7		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 20:40	1
Zinc	0.0013	J	0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 20:40	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	710		33	33	mg/L			02/24/26 06:56	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	190		5.0	2.6	mg/L			02/16/26 18:55	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 18:55	1
Total Dissolved Solids (SM 2540 C-2020)	1300		20	16	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	4.1		4.0	0.40	mg/L			02/16/26 11:24	1
Chloride (EPA 300.0-1993 R2.1)	95		1.0	0.13	mg/L			02/17/26 15:29	1
Fluoride (EPA 300.0-1993 R2.1)	0.13		0.050	0.024	mg/L			02/17/26 15:29	1
Sulfate (EPA 300.0-1993 R2.1)	670		5.0	1.7	mg/L			02/17/26 15:37	5

Client Sample ID: L602181-03 MW-6

Date Collected: 02/10/26 16:25
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-9

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	6.5		3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:31	1
Na	32		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:31	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 17:07	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 17:07	1
Barium	0.051		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 17:07	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 17:07	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 17:07	1
Cobalt	0.00045	J	0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 17:07	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 17:07	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 17:07	1
Molybdenum	0.022		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 17:07	1
Nickel	0.0027		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 17:07	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 17:07	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 17:07	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 17:07	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 17:07	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 17:07	1
Boron	700		100	80	ug/L		02/20/26 14:00	02/24/26 10:39	5
Calcium	170		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 17:07	1
Magnesium	39		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 17:07	1
Lithium	0.052		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 17:07	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.019	J	0.10	0.013	mg/L		02/19/26 16:19	02/25/26 20:48	1
Zinc	0.0015	J	0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 20:48	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	600		33	33	mg/L			02/24/26 06:56	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	460		5.0	2.6	mg/L			02/16/26 19:09	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 19:09	1
Total Dissolved Solids (SM 2540 C-2020)	830		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	0.80	J	4.0	0.40	mg/L			02/16/26 11:24	1
Chloride (EPA 300.0-1993 R2.1)	48		1.0	0.13	mg/L			02/17/26 15:44	1
Fluoride (EPA 300.0-1993 R2.1)	0.23		0.050	0.024	mg/L			02/17/26 15:44	1
Sulfate (EPA 300.0-1993 R2.1)	220		5.0	1.7	mg/L			02/17/26 15:52	5

Client Sample ID: L602181-04 MW-7C

Date Collected: 02/10/26 17:27
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-10

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	4.7		3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:34	1
Na	87		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:34	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 17:09	1
Arsenic	0.0045	J	0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 17:09	1
Barium	0.037		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 17:09	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 17:09	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 17:09	1
Cobalt	ND		0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 17:09	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 17:09	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 17:09	1
Molybdenum	0.34		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 17:09	1
Nickel	0.0061		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 17:09	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 17:09	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 17:09	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 17:09	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 17:09	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 17:09	1
Boron	5900		1000	800	ug/L		02/20/26 14:00	02/24/26 10:42	50
Calcium	220		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 17:09	1
Magnesium	39		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 17:09	1
Lithium	0.11		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 17:09	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	3.8		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 20:51	1
Zinc	ND		0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 20:51	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	700		33	33	mg/L			02/24/26 06:56	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	150		5.0	2.6	mg/L			02/16/26 19:19	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 19:19	1
Total Dissolved Solids (SM 2540 C-2020)	1200		20	16	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	6.4		4.0	0.40	mg/L			02/16/26 11:24	1
Chloride (EPA 300.0-1993 R2.1)	88		1.0	0.13	mg/L			02/17/26 16:38	1
Fluoride (EPA 300.0-1993 R2.1)	0.27		0.050	0.024	mg/L			02/17/26 16:38	1
Sulfate (EPA 300.0-1993 R2.1)	640		5.0	1.7	mg/L			02/17/26 16:46	5

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602181-05 MW-12

Lab Sample ID: 240-243052-11

Date Collected: 02/10/26 10:00

Matrix: Water

Date Received: 02/12/26 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	870		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	21		4.0	0.40	mg/L			02/16/26 11:24	1
Chloride (EPA 300.0-1993 R2.1)	56		1.0	0.13	mg/L			02/17/26 01:30	1
Fluoride (EPA 300.0-1993 R2.1)	0.14		0.050	0.024	mg/L			02/17/26 01:30	1
Sulfate (EPA 300.0-1993 R2.1)	180		1.0	0.35	mg/L			02/17/26 01:30	1

Client Sample ID: L602181-06 MW-12B

Date Collected: 02/10/26 10:20
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-12

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**7.0**		3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:45	1
Na	**100**		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:45	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 17:12	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 17:12	1
Barium	**0.023**		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 17:12	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 17:12	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 17:12	1
Cobalt	ND		0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 17:12	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 17:12	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 17:12	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 17:12	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 17:12	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 17:12	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 17:12	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 17:12	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 17:12	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 17:12	1
Boron	**2900**		400	320	ug/L		02/20/26 14:00	02/24/26 10:50	20
Calcium	**24**		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 17:12	1
Magnesium	**7.3**		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 17:12	1
Lithium	**0.036**		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 17:12	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.24**		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 20:54	1
Zinc	ND		0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 20:54	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**90**		33	33	mg/L			02/24/26 06:56	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**340**		5.0	2.6	mg/L			02/16/26 19:26	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 19:26	1
Total Dissolved Solids (SM 2540 C-2020)	**340**		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	**0.90**	**J**	4.0	0.40	mg/L			02/16/26 11:24	1
Chloride (EPA 300.0-1993 R2.1)	**1.1**		1.0	0.13	mg/L			02/17/26 16:00	1
Fluoride (EPA 300.0-1993 R2.1)	**0.68**		0.050	0.024	mg/L			02/17/26 16:00	1
Sulfate (EPA 300.0-1993 R2.1)	ND		1.0	0.35	mg/L			02/17/26 16:00	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602181-07 MW-17A

Date Collected: 02/10/26 09:36
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-13

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	2.6	J	3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:48	1
Na	54		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:48	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 17:15	1
Arsenic	0.0023	J	0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 17:15	1
Barium	0.039		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 17:15	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 17:15	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 17:15	1
Cobalt	0.00023	J	0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 17:15	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 17:15	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 17:15	1
Molybdenum	0.028		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 17:15	1
Nickel	0.013		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 17:15	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 17:15	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 17:15	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 17:15	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 17:15	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 17:15	1
Boron	3900		400	320	ug/L		02/20/26 14:00	02/24/26 10:53	20
Calcium	260		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 17:15	1
Magnesium	68		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 17:15	1
Lithium	0.052		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 17:15	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	7.2		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 20:57	1
Zinc	0.47		0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 20:57	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	930		33	33	mg/L			02/24/26 06:56	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	240		5.0	2.6	mg/L			02/16/26 19:34	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 19:34	1
Total Dissolved Solids (SM 2540 C-2020)	1100		20	16	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	13		4.0	0.40	mg/L			02/16/26 11:24	1
Chloride (EPA 300.0-1993 R2.1)	73		1.0	0.13	mg/L			02/17/26 16:54	1
Fluoride (EPA 300.0-1993 R2.1)	0.19		0.050	0.024	mg/L			02/17/26 16:54	1
Sulfate (EPA 300.0-1993 R2.1)	720		5.0	1.7	mg/L			02/17/26 17:02	5

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602181-08 MW-17B

Date Collected: 02/10/26 11:32
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-14

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	4.4		3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:51	1
Na	71		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:51	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 17:23	1
Arsenic	0.0032	J	0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 17:23	1
Barium	0.039		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 17:23	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 17:23	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 17:23	1
Cobalt	0.00015	J	0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 17:23	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 17:23	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 17:23	1
Molybdenum	0.11		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 17:23	1
Nickel	0.0033		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 17:23	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 17:23	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 17:23	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 17:23	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 17:23	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 17:23	1
Boron	1800		200	160	ug/L		02/20/26 14:00	02/24/26 10:55	10
Calcium	130		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 17:23	1
Magnesium	29		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 17:23	1
Lithium	0.092		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 17:23	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.8		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 21:00	1
Zinc	0.30		0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 21:00	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	450		33	33	mg/L			02/24/26 06:56	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	170		5.0	2.6	mg/L			02/16/26 19:42	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 19:42	1
Total Dissolved Solids (SM 2540 C-2020)	740		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	4.1		4.0	0.40	mg/L			02/16/26 11:24	1
Chloride (EPA 300.0-1993 R2.1)	76		1.0	0.13	mg/L			02/17/26 17:09	1
Fluoride (EPA 300.0-1993 R2.1)	0.29		0.050	0.024	mg/L			02/17/26 17:09	1
Sulfate (EPA 300.0-1993 R2.1)	330		5.0	1.7	mg/L			02/17/26 17:17	5

Client Sample ID: L602181-09 MW-17C

Lab Sample ID: 240-243052-15

Date Collected: 02/10/26 12:52

Matrix: Water

Date Received: 02/12/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	11		3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:54	1
Na	78		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:54	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 17:25	1
Arsenic	0.0042	J	0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 17:25	1
Barium	0.056		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 17:25	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 17:25	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 17:25	1
Cobalt	0.00052	J	0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 17:25	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 17:25	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 17:25	1
Molybdenum	0.029		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 17:25	1
Nickel	0.0054		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 17:25	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 17:25	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 17:25	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 17:25	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 17:25	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 17:25	1
Boron	1700		200	160	ug/L		02/20/26 14:00	02/24/26 10:58	10
Calcium	190		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 17:25	1
Magnesium	47		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 17:25	1
Lithium	0.037		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 17:25	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	3.1		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 21:03	1
Zinc	1.1		0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 21:03	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	670		33	33	mg/L			02/24/26 14:09	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	220		5.0	2.6	mg/L			02/16/26 19:49	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 19:49	1
Total Dissolved Solids (SM 2540 C-2020)	990		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	4.5		4.0	0.40	mg/L			02/16/26 11:24	1
Chloride (EPA 300.0-1993 R2.1)	43		1.0	0.13	mg/L			02/17/26 17:24	1
Fluoride (EPA 300.0-1993 R2.1)	0.27		0.050	0.024	mg/L			02/17/26 17:24	1
Sulfate (EPA 300.0-1993 R2.1)	560		5.0	1.7	mg/L			02/17/26 17:32	5

Client Sample ID: L602181-10 MW-17D

Date Collected: 02/10/26 14:21
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-16

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	11		3.3	0.17	mg/L		02/19/26 16:19	02/24/26 20:58	1
Na	45		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 20:58	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 17:28	1
Arsenic	0.00098	J	0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 17:28	1
Barium	0.048		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 17:28	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 17:28	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 17:28	1
Cobalt	0.00035	J	0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 17:28	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 17:28	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 17:28	1
Molybdenum	0.0067		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 17:28	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 17:28	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 17:28	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 17:28	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 17:28	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 17:28	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 17:28	1
Boron	2300		400	320	ug/L		02/20/26 14:00	02/24/26 11:01	20
Calcium	68		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 17:28	1
Magnesium	19		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 17:28	1
Lithium	0.033		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 17:28	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.52		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 21:22	1
Zinc	4.3		0.035	0.0046	mg/L		02/19/26 16:19	02/25/26 21:25	5

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	250		33	33	mg/L			02/24/26 14:09	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	300		5.0	2.6	mg/L			02/16/26 19:58	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 19:58	1
Total Dissolved Solids (SM 2540 C-2020)	370		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	1.2	J	4.0	0.40	mg/L			02/16/26 11:24	1
Chloride (EPA 300.0-1993 R2.1)	7.7		1.0	0.13	mg/L			02/17/26 17:40	1
Fluoride (EPA 300.0-1993 R2.1)	0.44		0.050	0.024	mg/L			02/17/26 17:40	1
Sulfate (EPA 300.0-1993 R2.1)	67		1.0	0.35	mg/L			02/17/26 17:40	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602181-11 MW-17E

Date Collected: 02/10/26 15:42
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-17

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	10		3.3	0.17	mg/L		02/20/26 15:29	02/24/26 21:30	1
Na	160		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 21:30	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 17:31	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 17:31	1
Barium	0.015		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 17:31	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 17:31	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 17:31	1
Cobalt	0.00024	J	0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 17:31	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 17:31	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 17:31	1
Molybdenum	0.0077		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 17:31	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 17:31	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 17:31	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 17:31	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 17:31	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 17:31	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 17:31	1
Boron	2600		400	320	ug/L		02/20/26 14:00	02/24/26 11:03	20
Calcium	39		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 17:31	1
Magnesium	7.9		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 17:31	1
Lithium	0.026		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 17:31	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.073	J	0.10	0.013	mg/L		02/20/26 15:29	02/25/26 21:48	1
Zinc	0.50		0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 21:48	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	130		33	33	mg/L			02/24/26 14:09	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	300		5.0	2.6	mg/L			02/16/26 20:06	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 20:06	1
Total Dissolved Solids (SM 2540 C-2020)	540		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/16/26 11:24	1
Chloride (EPA 300.0-1993 R2.1)	12		1.0	0.13	mg/L			02/17/26 18:03	1
Fluoride (EPA 300.0-1993 R2.1)	0.89		0.050	0.024	mg/L			02/17/26 18:03	1
Sulfate (EPA 300.0-1993 R2.1)	170		1.0	0.35	mg/L			02/17/26 18:03	1

Client Sample ID: L602181-12 MWT-17A

Date Collected: 02/10/26 09:36
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-18

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**2.6**	**J**	3.3	0.17	mg/L		02/20/26 15:29	02/24/26 21:40	1
Na	**53**		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 21:40	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 17:34	1
Arsenic	**0.0020**	**J**	0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 17:34	1
Barium	**0.040**		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 17:34	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 17:34	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 17:34	1
Cobalt	**0.00022**	**J**	0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 17:34	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 17:34	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 17:34	1
Molybdenum	**0.027**		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 17:34	1
Nickel	**0.012**		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 17:34	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 17:34	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 17:34	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 17:34	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 17:34	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 17:34	1
Boron	**4000**		400	320	ug/L		02/20/26 14:00	02/24/26 11:06	20
Calcium	**260**		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 17:34	1
Magnesium	**68**		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 17:34	1
Lithium	**0.052**		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 17:34	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**6.7**		0.10	0.013	mg/L		02/20/26 15:29	02/25/26 22:03	1
Zinc	**0.46**		0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:03	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**920**		33	33	mg/L			02/24/26 14:09	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**240**		5.0	2.6	mg/L			02/16/26 20:17	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 20:17	1
Total Dissolved Solids (SM 2540 C-2020)	**1300**		20	16	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	**14**		4.0	0.40	mg/L			02/16/26 11:24	1
Chloride (EPA 300.0-1993 R2.1)	**73**		1.0	0.13	mg/L			02/17/26 18:18	1
Fluoride (EPA 300.0-1993 R2.1)	**0.20**		0.050	0.024	mg/L			02/17/26 18:18	1
Sulfate (EPA 300.0-1993 R2.1)	**710**		5.0	1.7	mg/L			02/17/26 18:26	5

Client Sample ID: L602181-13 FIELD BLANK

Date Collected: 02/10/26 08:30
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-19

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		02/20/26 15:29	02/24/26 21:43	1
Na	ND		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 21:43	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 17:36	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 17:36	1
Barium	ND		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 17:36	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 17:36	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 17:36	1
Cobalt	ND		0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 17:36	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 17:36	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 17:36	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 17:36	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 17:36	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 17:36	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 17:36	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 17:36	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 17:36	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 17:36	1
Boron	ND		20	16	ug/L		02/20/26 14:00	02/24/26 11:09	1
Calcium	ND		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 17:36	1
Magnesium	ND		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 17:36	1
Lithium	ND		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 17:36	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		02/20/26 15:29	02/25/26 22:06	1
Zinc	ND		0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:06	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		33	33	mg/L			02/24/26 14:09	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 20:25	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/16/26 20:25	1
Total Dissolved Solids (SM 2540 C-2020)	ND		10	7.8	mg/L			02/16/26 09:41	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/16/26 11:24	1
Chloride (EPA 300.0-1993 R2.1)	ND		1.0	0.13	mg/L			02/17/26 18:33	1
Fluoride (EPA 300.0-1993 R2.1)	ND		0.050	0.024	mg/L			02/17/26 18:33	1
Sulfate (EPA 300.0-1993 R2.1)	ND		1.0	0.35	mg/L			02/17/26 18:33	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 350-12776/1-A
Matrix: Water
Analysis Batch: 12881

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		02/19/26 16:19	02/24/26 19:29	1
Potassium, Dissolved	ND		3.3	0.17	mg/L		02/19/26 16:19	02/24/26 19:29	1
Na	ND		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 19:29	1
Sodium, Dissolved	ND		0.60	0.33	mg/L		02/19/26 16:19	02/24/26 19:29	1

Lab Sample ID: LCS 350-12776/2-A
Matrix: Water
Analysis Batch: 12881

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
K	20.0	18.5		mg/L		92	85 - 115
Potassium, Dissolved	20.0	18.5		mg/L		92	85 - 115
Na	20.0	19.2		mg/L		96	85 - 115
Sodium, Dissolved	20.0	19.2		mg/L		96	85 - 115

Lab Sample ID: 240-243052-1 MS
Matrix: Water
Analysis Batch: 12881

Client Sample ID: L602178-01 MW-16A
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
K	ND		20.0	20.4		mg/L		102	70 - 130
Na	230		20.0	257	4	mg/L		129	70 - 130

Lab Sample ID: 240-243052-1 MSD
Matrix: Water
Analysis Batch: 12881

Client Sample ID: L602178-01 MW-16A
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
K	ND		20.0	20.0		mg/L		100	70 - 130	2	20
Na	230		20.0	247	4	mg/L		78	70 - 130	4	20

Lab Sample ID: 240-243052-2 MS
Matrix: Water
Analysis Batch: 12881

Client Sample ID: L602178-02 MW-16B
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
K	2.4	J	20.0	21.2		mg/L		94	70 - 130
Potassium, Dissolved	2.4	J	20.0	21.2		mg/L		94	70 - 130
Na	13		20.0	31.9		mg/L		96	70 - 130
Sodium, Dissolved	13		20.0	31.9		mg/L		96	70 - 130

Lab Sample ID: 240-243052-2 MSD
Matrix: Water
Analysis Batch: 12881

Client Sample ID: L602178-02 MW-16B
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
K	2.4	J	20.0	22.1		mg/L		98	70 - 130	4	20
Potassium, Dissolved	2.4	J	20.0	22.1		mg/L		98	70 - 130	4	20
Na	13		20.0	32.4		mg/L		99	70 - 130	2	20
Sodium, Dissolved	13		20.0	32.4		mg/L		99	70 - 130	2	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 350-12793/1-A
Matrix: Water
Analysis Batch: 12881

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		02/20/26 15:29	02/24/26 21:01	1
Na	ND		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 21:01	1

Lab Sample ID: LCS 350-12793/2-A
Matrix: Water
Analysis Batch: 12881

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
K	20.0	18.5		mg/L		93	85 - 115
Na	20.0	18.8		mg/L		94	85 - 115

Lab Sample ID: 240-243052-17 MS
Matrix: Water
Analysis Batch: 12881

Client Sample ID: L602181-11 MW-17E
Prep Type: Total/NA
Prep Batch: 12793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
K	10		20.0	29.5		mg/L		97	70 - 130
Na	160		20.0	169	4	mg/L		67	70 - 130

Lab Sample ID: 240-243052-17 MSD
Matrix: Water
Analysis Batch: 12881

Client Sample ID: L602181-11 MW-17E
Prep Type: Total/NA
Prep Batch: 12793

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
K	10		20.0	29.3		mg/L		96	70 - 130	1	20
Na	160		20.0	168	4	mg/L		60	70 - 130	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 350-12776/1-A
Matrix: Water
Analysis Batch: 12799

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		02/19/26 16:19	02/20/26 17:47	1
Zinc	ND		0.0070	0.00093	mg/L		02/19/26 16:19	02/20/26 17:47	1

Lab Sample ID: MB 350-12776/1-A
Matrix: Water
Analysis Batch: 12889

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 19:28	1
Iron, Dissolved	ND		0.10	0.013	mg/L		02/19/26 16:19	02/25/26 19:28	1
Zinc	ND		0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 19:28	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/19/26 16:19	02/25/26 19:28	1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 350-12776/2-A
Matrix: Water
Analysis Batch: 12799

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	20.0	18.6		mg/L		93	85 - 115
Zinc	1.00	0.964		mg/L		96	85 - 115

Lab Sample ID: LCS 350-12776/2-A
Matrix: Water
Analysis Batch: 12889

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	20.0	20.8		mg/L		104	85 - 115
Iron, Dissolved	20.0	20.8		mg/L		104	85 - 115
Zinc	1.00	1.05		mg/L		105	85 - 115
Zinc, Dissolved	1.00	1.05		mg/L		105	85 - 115

Lab Sample ID: 240-243052-1 MS
Matrix: Water
Analysis Batch: 12799

Client Sample ID: L602178-01 MW-16A
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.78		20.0	18.9		mg/L		91	70 - 130
Zinc	ND		1.00	0.928		mg/L		93	70 - 130

Lab Sample ID: 240-243052-1 MS
Matrix: Water
Analysis Batch: 12889

Client Sample ID: L602178-01 MW-16A
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.76		20.0	22.6		mg/L		109	70 - 130
Zinc	ND		1.00	1.07		mg/L		107	70 - 130

Lab Sample ID: 240-243052-1 MSD
Matrix: Water
Analysis Batch: 12799

Client Sample ID: L602178-01 MW-16A
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.78		20.0	19.3		mg/L		93	70 - 130	2	20
Zinc	ND		1.00	0.950		mg/L		95	70 - 130	2	20

Lab Sample ID: 240-243052-1 MSD
Matrix: Water
Analysis Batch: 12889

Client Sample ID: L602178-01 MW-16A
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.76		20.0	22.4		mg/L		108	70 - 130	1	20
Zinc	ND		1.00	1.06		mg/L		106	70 - 130	0	20

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-243052-2 MS
Matrix: Water
Analysis Batch: 12799

Client Sample ID: L602178-02 MW-16B
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.40		20.0	18.7		mg/L		92	70 - 130
Zinc	ND		1.00	0.939		mg/L		94	70 - 130

Lab Sample ID: 240-243052-2 MS
Matrix: Water
Analysis Batch: 12889

Client Sample ID: L602178-02 MW-16B
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.41		20.0	21.3		mg/L		105	70 - 130
Iron, Dissolved	0.41		20.0	21.3		mg/L		105	70 - 130
Zinc	ND		1.00	1.05		mg/L		105	70 - 130
Zinc, Dissolved	ND		1.00	1.05		mg/L		105	70 - 130

Lab Sample ID: 240-243052-2 MSD
Matrix: Water
Analysis Batch: 12799

Client Sample ID: L602178-02 MW-16B
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.40		20.0	19.9		mg/L		98	70 - 130	6	20
Zinc	ND		1.00	1.00		mg/L		100	70 - 130	6	20

Lab Sample ID: 240-243052-2 MSD
Matrix: Water
Analysis Batch: 12889

Client Sample ID: L602178-02 MW-16B
Prep Type: Total/NA
Prep Batch: 12776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.41		20.0	22.0		mg/L		108	70 - 130	3	20
Iron, Dissolved	0.41		20.0	22.0		mg/L		108	70 - 130	3	20
Zinc	ND		1.00	1.07		mg/L		107	70 - 130	2	20
Zinc, Dissolved	ND		1.00	1.07		mg/L		107	70 - 130	2	20

Lab Sample ID: 240-243052-17 MS
Matrix: Water
Analysis Batch: 12889

Client Sample ID: L602181-11 MW-17E
Prep Type: Total/NA
Prep Batch: 12793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.073	J	20.0	19.8		mg/L		98	70 - 130
Zinc	0.50		1.00	1.50		mg/L		100	70 - 130

Lab Sample ID: 240-243052-17 MSD
Matrix: Water
Analysis Batch: 12889

Client Sample ID: L602181-11 MW-17E
Prep Type: Total/NA
Prep Batch: 12793

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.073	J	20.0	19.6		mg/L		97	70 - 130	1	20
Zinc	0.50		1.00	1.50		mg/L		100	70 - 130	0	20

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: MB 240-690525/1-A
Matrix: Water
Analysis Batch: 690699

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 690525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/16/26 14:00	02/17/26 12:13	1
Arsenic	ND		0.0050	0.00075	mg/L		02/16/26 14:00	02/17/26 12:13	1
Barium	ND		0.0050	0.00077	mg/L		02/16/26 14:00	02/17/26 12:13	1
Beryllium	ND		0.0010	0.00027	mg/L		02/16/26 14:00	02/17/26 12:13	1
Cadmium	ND		0.0010	0.000077	mg/L		02/16/26 14:00	02/17/26 12:13	1
Cobalt	ND		0.0010	0.000086	mg/L		02/16/26 14:00	02/17/26 12:13	1
Chromium	ND		0.0050	0.0012	mg/L		02/16/26 14:00	02/17/26 12:13	1
Copper	ND		0.0020	0.0017	mg/L		02/16/26 14:00	02/17/26 12:13	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/16/26 14:00	02/17/26 12:13	1
Nickel	ND		0.0020	0.0015	mg/L		02/16/26 14:00	02/17/26 12:13	1
Lead	ND		0.0010	0.00045	mg/L		02/16/26 14:00	02/17/26 12:13	1
Antimony	ND		0.0020	0.00057	mg/L		02/16/26 14:00	02/17/26 12:13	1
Selenium	ND		0.0050	0.00089	mg/L		02/16/26 14:00	02/17/26 12:13	1
Thallium	ND		0.0010	0.00051	mg/L		02/16/26 14:00	02/17/26 12:13	1
Vanadium	ND		0.0050	0.00082	mg/L		02/16/26 14:00	02/17/26 12:13	1
Boron	ND		20	16	ug/L		02/16/26 14:00	02/17/26 12:13	1
Calcium	ND		1.0	0.25	mg/L		02/16/26 14:00	02/17/26 12:13	1
Magnesium	ND		1.0	0.061	mg/L		02/16/26 14:00	02/17/26 12:13	1
Lithium	ND		0.0080	0.0034	mg/L		02/16/26 14:00	02/17/26 12:13	1

Lab Sample ID: LCS 240-690525/2-A
Matrix: Water
Analysis Batch: 690699

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 690525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.100	0.0937		mg/L		94	85 - 115
Arsenic	1.00	0.956		mg/L		96	85 - 115
Barium	1.00	0.943		mg/L		94	85 - 115
Beryllium	0.500	0.490		mg/L		98	85 - 115
Cadmium	0.500	0.471		mg/L		94	85 - 115
Cobalt	0.500	0.481		mg/L		96	85 - 115
Chromium	0.500	0.470		mg/L		94	85 - 115
Copper	0.500	0.471		mg/L		94	85 - 115
Molybdenum	0.500	0.487		mg/L		97	85 - 115
Nickel	0.500	0.467		mg/L		93	85 - 115
Lead	0.500	0.485		mg/L		97	85 - 115
Antimony	0.100	0.0949		mg/L		95	85 - 115
Selenium	1.00	0.961		mg/L		96	85 - 115
Thallium	1.00	0.990		mg/L		99	85 - 115
Vanadium	0.500	0.479		mg/L		96	85 - 115
Boron	100	91.0		ug/L		91	85 - 115
Calcium	25.0	24.9		mg/L		99	85 - 115
Magnesium	25.0	25.3		mg/L		101	85 - 115
Lithium	0.500	0.513		mg/L		103	85 - 115

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-690650/1-A
Matrix: Water
Analysis Batch: 690825

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 690650

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver, Dissolved	ND		1.0	0.053	ug/L		02/17/26 16:00	02/18/26 10:40	1
Arsenic, Dissolved	ND		5.0	0.75	ug/L		02/17/26 16:00	02/18/26 10:40	1
Barium, Dissolved	ND		5.0	0.77	ug/L		02/17/26 16:00	02/18/26 10:40	1
Beryllium, Dissolved	ND		1.0	0.27	ug/L		02/17/26 16:00	02/18/26 10:40	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/17/26 16:00	02/18/26 10:40	1
Cobalt, Dissolved	ND		1.0	0.086	ug/L		02/17/26 16:00	02/18/26 10:40	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/17/26 16:00	02/18/26 10:40	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/17/26 16:00	02/18/26 10:40	1
Molybdenum, Dissolved	ND		5.0	1.1	ug/L		02/17/26 16:00	02/18/26 10:40	1
Nickel, Dissolved	ND		2.0	1.5	ug/L		02/17/26 16:00	02/18/26 10:40	1
Lead, Dissolved	ND		1.0	0.45	ug/L		02/17/26 16:00	02/18/26 10:40	1
Antimony, Dissolved	ND		2.0	0.57	ug/L		02/17/26 16:00	02/18/26 10:40	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/17/26 16:00	02/18/26 10:40	1
Thallium, Dissolved	ND		1.0	0.51	ug/L		02/17/26 16:00	02/18/26 10:40	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/17/26 16:00	02/18/26 10:40	1
Boron, Dissolved	ND		20	16	ug/L		02/17/26 16:00	02/18/26 10:40	1
Calcium, Dissolved	ND		1000	250	ug/L		02/17/26 16:00	02/18/26 10:40	1
Magnesium, Dissolved	ND		1000	61	ug/L		02/17/26 16:00	02/18/26 10:40	1
Lithium, Dissolved	ND		8.0	3.4	ug/L		02/17/26 16:00	02/18/26 10:40	1

Lab Sample ID: LCS 240-690650/2-A
Matrix: Water
Analysis Batch: 690825

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 690650

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver, Dissolved	100	97.2		ug/L		97	85 - 115
Arsenic, Dissolved	1000	990		ug/L		99	85 - 115
Barium, Dissolved	1000	990		ug/L		99	85 - 115
Beryllium, Dissolved	500	507		ug/L		101	85 - 115
Cadmium, Dissolved	500	493		ug/L		99	85 - 115
Cobalt, Dissolved	500	499		ug/L		100	85 - 115
Chromium, Dissolved	500	495		ug/L		99	85 - 115
Copper, Dissolved	500	489		ug/L		98	85 - 115
Molybdenum, Dissolved	500	507		ug/L		101	85 - 115
Nickel, Dissolved	500	491		ug/L		98	85 - 115
Lead, Dissolved	500	507		ug/L		101	85 - 115
Antimony, Dissolved	100	98.8		ug/L		99	85 - 115
Selenium, Dissolved	1000	1010		ug/L		101	85 - 115
Thallium, Dissolved	1000	1030		ug/L		103	85 - 115
Vanadium, Dissolved	500	503		ug/L		101	85 - 115
Boron, Dissolved	100	99.6		ug/L		100	85 - 115
Calcium, Dissolved	25000	25100		ug/L		100	85 - 115
Magnesium, Dissolved	25000	25400		ug/L		102	85 - 115
Lithium, Dissolved	500	515		ug/L		103	85 - 115

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-691082/1-A
Matrix: Water
Analysis Batch: 691276

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 691082

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 10:23	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 10:23	1
Barium	ND		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 10:23	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 10:23	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 10:23	1
Cobalt	ND		0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 10:23	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 10:23	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 10:23	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 10:23	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 10:23	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 10:23	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 10:23	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 10:23	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 10:23	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 10:23	1
Boron	ND		20	16	ug/L		02/20/26 14:00	02/23/26 10:23	1
Calcium	ND		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 10:23	1
Magnesium	ND		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 10:23	1
Lithium	ND		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 10:23	1

Lab Sample ID: LCS 240-691082/2-A
Matrix: Water
Analysis Batch: 691276

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 691082

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.100	0.0947		mg/L		95	85 - 115
Arsenic	1.00	0.987		mg/L		99	85 - 115
Barium	1.00	0.966		mg/L		97	85 - 115
Beryllium	0.500	0.468		mg/L		94	85 - 115
Cadmium	0.500	0.487		mg/L		97	85 - 115
Cobalt	0.500	0.479		mg/L		96	85 - 115
Chromium	0.500	0.478		mg/L		96	85 - 115
Copper	0.500	0.483		mg/L		97	85 - 115
Molybdenum	0.500	0.495		mg/L		99	85 - 115
Nickel	0.500	0.476		mg/L		95	85 - 115
Lead	0.500	0.488		mg/L		98	85 - 115
Antimony	0.100	0.0974		mg/L		97	85 - 115
Selenium	1.00	0.966		mg/L		97	85 - 115
Thallium	1.00	1.02		mg/L		102	85 - 115
Vanadium	0.500	0.491		mg/L		98	85 - 115
Boron	100	89.6		ug/L		90	85 - 115
Calcium	25.0	24.9		mg/L		100	85 - 115
Magnesium	25.0	25.2		mg/L		101	85 - 115
Lithium	0.500	0.512		mg/L		102	85 - 115

Method: 245.1-1994 R3.0 - Mercury (CVAA)

Lab Sample ID: MB 240-690512/1-A
Matrix: Water
Analysis Batch: 690680

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690512

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 10:10	1

Lab Sample ID: LCS 240-690512/2-A
Matrix: Water
Analysis Batch: 690680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690512

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00484		mg/L		97	85 - 115

Lab Sample ID: 240-243052-1 MS
Matrix: Water
Analysis Batch: 690680

Client Sample ID: L602178-01 MW-16A
Prep Type: Total/NA
Prep Batch: 690512

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.00102		mg/L		102	70 - 130

Lab Sample ID: 240-243052-1 MSD
Matrix: Water
Analysis Batch: 690680

Client Sample ID: L602178-01 MW-16A
Prep Type: Total/NA
Prep Batch: 690512

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.000983		mg/L		98	70 - 130	4	20

Lab Sample ID: 240-243052-2 MS
Matrix: Water
Analysis Batch: 690680

Client Sample ID: L602178-02 MW-16B
Prep Type: Total/NA
Prep Batch: 690512

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.00101		mg/L		101	70 - 130

Lab Sample ID: 240-243052-2 MSD
Matrix: Water
Analysis Batch: 690680

Client Sample ID: L602178-02 MW-16B
Prep Type: Total/NA
Prep Batch: 690512

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.000995		mg/L		100	70 - 130	2	20

Lab Sample ID: MB 240-690528/1-A
Matrix: Water
Analysis Batch: 690679

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690528

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/16/26 14:00	02/17/26 11:07	1

Lab Sample ID: LCS 240-690528/2-A
Matrix: Water
Analysis Batch: 690679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690528

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00494		mg/L		99	85 - 115

Method: 245.1-1994 R3.0 - Mercury (CVAA)

Lab Sample ID: MB 240-690657/1-A
Matrix: Water
Analysis Batch: 690833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.20	0.13	ug/L		02/17/26 14:00	02/18/26 11:00	1

Lab Sample ID: LCS 240-690657/2-A
Matrix: Water
Analysis Batch: 690833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690657

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	5.00	5.31		ug/L		106	85 - 115

Method: 2320 B-2021 - Alkalinity

Lab Sample ID: MB 240-690670/18
Matrix: Water
Analysis Batch: 690670

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/16/26 18:48	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/16/26 18:48	1

Lab Sample ID: MB 240-690670/2
Matrix: Water
Analysis Batch: 690670

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/16/26 14:51	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/16/26 14:51	1

Lab Sample ID: 240-243052-8 DU
Matrix: Water
Analysis Batch: 690670

Client Sample ID: L602181-02 MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity as CaCO3	190		198		mg/L		2	20
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	20

Lab Sample ID: 240-243052-19 DU
Matrix: Water
Analysis Batch: 690670

Client Sample ID: L602181-13 FIELD BLANK
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	20
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	20

Method: 2540 C-2020 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-690486/1
Matrix: Water
Analysis Batch: 690486

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			02/16/26 09:41	1

Lab Sample ID: LCS 240-690486/2
Matrix: Water
Analysis Batch: 690486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	189	175		mg/L		93	80 - 120

Lab Sample ID: 240-243052-2 DU
Matrix: Water
Analysis Batch: 690486

Client Sample ID: L602178-02 MW-16B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	350		373		mg/L		6	20

Lab Sample ID: 240-243052-15 DU
Matrix: Water
Analysis Batch: 690486

Client Sample ID: L602181-09 MW-17C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	990		974		mg/L		1	20

Method: 2540D-2020 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-690505/1
Matrix: Water
Analysis Batch: 690505

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			02/16/26 10:14	1

Lab Sample ID: LCS 240-690505/2
Matrix: Water
Analysis Batch: 690505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	57.1	53.0		mg/L		93	64 - 120

Lab Sample ID: MB 240-690517/1
Matrix: Water
Analysis Batch: 690517

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			02/16/26 11:24	1

Method: 2540D-2020 - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCS 240-690517/2
Matrix: Water
Analysis Batch: 690517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	57.1	50.0		mg/L		88	64 - 120

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 240-690562/3
Matrix: Water
Analysis Batch: 690562

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.13	mg/L			02/17/26 13:26	1
Fluoride	ND		0.050	0.024	mg/L			02/17/26 13:26	1
Sulfate	ND		1.0	0.35	mg/L			02/17/26 13:26	1

Lab Sample ID: LCS 240-690562/4
Matrix: Water
Analysis Batch: 690562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	51.9		mg/L		104	90 - 110
Fluoride	2.50	2.61		mg/L		104	90 - 110
Sulfate	50.0	53.3		mg/L		107	90 - 110

Lab Sample ID: 240-243052-12 MS
Matrix: Water
Analysis Batch: 690562

Client Sample ID: L602181-06 MW-12B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.1		50.0	53.6		mg/L		105	80 - 120
Fluoride	0.68		2.50	3.19		mg/L		100	80 - 120
Sulfate	ND		50.0	53.5		mg/L		107	80 - 120

Lab Sample ID: 240-243052-12 MSD
Matrix: Water
Analysis Batch: 690562

Client Sample ID: L602181-06 MW-12B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.1		50.0	53.1		mg/L		104	80 - 120	1	15
Fluoride	0.68		2.50	3.18		mg/L		100	80 - 120	0	15
Sulfate	ND		50.0	53.1		mg/L		106	80 - 120	1	15

Lab Sample ID: MB 240-690563/3
Matrix: Water
Analysis Batch: 690563

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.13	mg/L			02/16/26 23:58	1
Fluoride	ND		0.050	0.024	mg/L			02/16/26 23:58	1
Sulfate	ND		1.0	0.35	mg/L			02/16/26 23:58	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 240-690563/4
Matrix: Water
Analysis Batch: 690563

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	51.9		mg/L		104	90 - 110
Fluoride	2.50	2.59		mg/L		104	90 - 110
Sulfate	50.0	53.2		mg/L		106	90 - 110

Metals

Prep Batch: 12776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total/NA	Water	200.8	
240-243052-2	L602178-02 MW-16B	Total/NA	Water	200.8	
240-243052-3	L602178-03 MW-16C	Total/NA	Water	200.8	
240-243052-4	L602178-04 MW-16D	Total/NA	Water	200.8	
240-243052-5	L602178-05 MWT-16B	Total/NA	Water	200.8	
240-243052-6	L602178-06 FIELD BLANK	Total/NA	Water	200.8	
240-243052-7	L602181-01 MW-2	Dissolved	Water	200.7	
240-243052-7	L602181-01 MW-2	Total/NA	Water	200.8	
240-243052-8	L602181-02 MW-3	Total/NA	Water	200.8	
240-243052-9	L602181-03 MW-6	Total/NA	Water	200.8	
240-243052-10	L602181-04 MW-7C	Total/NA	Water	200.8	
240-243052-12	L602181-06 MW-12B	Total/NA	Water	200.8	
240-243052-13	L602181-07 MW-17A	Total/NA	Water	200.8	
240-243052-14	L602181-08 MW-17B	Total/NA	Water	200.8	
240-243052-15	L602181-09 MW-17C	Total/NA	Water	200.8	
240-243052-16	L602181-10 MW-17D	Total/NA	Water	200.8	
MB 350-12776/1-A	Method Blank	Total/NA	Water	200.8	
LCS 350-12776/2-A	Lab Control Sample	Total/NA	Water	200.8	
240-243052-1 MS	L602178-01 MW-16A	Total/NA	Water	200.8	
240-243052-1 MSD	L602178-01 MW-16A	Total/NA	Water	200.8	
240-243052-2 MS	L602178-02 MW-16B	Total/NA	Water	200.8	
240-243052-2 MSD	L602178-02 MW-16B	Total/NA	Water	200.8	

Prep Batch: 12793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-17	L602181-11 MW-17E	Total/NA	Water	200.8	
240-243052-18	L602181-12 MWT-17A	Total/NA	Water	200.8	
240-243052-19	L602181-13 FIELD BLANK	Total/NA	Water	200.8	
MB 350-12793/1-A	Method Blank	Total/NA	Water	200.8	
LCS 350-12793/2-A	Lab Control Sample	Total/NA	Water	200.8	
240-243052-17 MS	L602181-11 MW-17E	Total/NA	Water	200.8	
240-243052-17 MSD	L602181-11 MW-17E	Total/NA	Water	200.8	

Analysis Batch: 12799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total/NA	Water	200.8	12776
240-243052-2	L602178-02 MW-16B	Total/NA	Water	200.8	12776
MB 350-12776/1-A	Method Blank	Total/NA	Water	200.8	12776
LCS 350-12776/2-A	Lab Control Sample	Total/NA	Water	200.8	12776
240-243052-1 MS	L602178-01 MW-16A	Total/NA	Water	200.8	12776
240-243052-1 MSD	L602178-01 MW-16A	Total/NA	Water	200.8	12776
240-243052-2 MS	L602178-02 MW-16B	Total/NA	Water	200.8	12776
240-243052-2 MSD	L602178-02 MW-16B	Total/NA	Water	200.8	12776

Analysis Batch: 12881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-2	L602178-02 MW-16B	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-3	L602178-03 MW-16C	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-4	L602178-04 MW-16D	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-5	L602178-05 MWT-16B	Total/NA	Water	200.7 Rev 4.4	12776

Metals (Continued)

Analysis Batch: 12881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-6	L602178-06 FIELD BLANK	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-7	L602181-01 MW-2	Dissolved	Water	200.7 Rev 4.4	12776
240-243052-7	L602181-01 MW-2	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-8	L602181-02 MW-3	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-9	L602181-03 MW-6	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-10	L602181-04 MW-7C	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-12	L602181-06 MW-12B	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-13	L602181-07 MW-17A	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-14	L602181-08 MW-17B	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-15	L602181-09 MW-17C	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-16	L602181-10 MW-17D	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-17	L602181-11 MW-17E	Total/NA	Water	200.7 Rev 4.4	12793
240-243052-18	L602181-12 MWT-17A	Total/NA	Water	200.7 Rev 4.4	12793
240-243052-19	L602181-13 FIELD BLANK	Total/NA	Water	200.7 Rev 4.4	12793
MB 350-12776/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	12776
MB 350-12793/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	12793
LCS 350-12776/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	12776
LCS 350-12793/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	12793
240-243052-1 MS	L602178-01 MW-16A	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-1 MSD	L602178-01 MW-16A	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-2 MS	L602178-02 MW-16B	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-2 MSD	L602178-02 MW-16B	Total/NA	Water	200.7 Rev 4.4	12776
240-243052-17 MS	L602181-11 MW-17E	Total/NA	Water	200.7 Rev 4.4	12793
240-243052-17 MSD	L602181-11 MW-17E	Total/NA	Water	200.7 Rev 4.4	12793

Analysis Batch: 12889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-3	L602178-03 MW-16C	Total/NA	Water	200.8	12776
240-243052-4	L602178-04 MW-16D	Total/NA	Water	200.8	12776
240-243052-5	L602178-05 MWT-16B	Total/NA	Water	200.8	12776
240-243052-6	L602178-06 FIELD BLANK	Total/NA	Water	200.8	12776
240-243052-7	L602181-01 MW-2	Dissolved	Water	200.8	12776
240-243052-7	L602181-01 MW-2	Total/NA	Water	200.8	12776
240-243052-8	L602181-02 MW-3	Total/NA	Water	200.8	12776
240-243052-9	L602181-03 MW-6	Total/NA	Water	200.8	12776
240-243052-10	L602181-04 MW-7C	Total/NA	Water	200.8	12776
240-243052-12	L602181-06 MW-12B	Total/NA	Water	200.8	12776
240-243052-13	L602181-07 MW-17A	Total/NA	Water	200.8	12776
240-243052-14	L602181-08 MW-17B	Total/NA	Water	200.8	12776
240-243052-15	L602181-09 MW-17C	Total/NA	Water	200.8	12776
240-243052-16	L602181-10 MW-17D	Total/NA	Water	200.8	12776
240-243052-16	L602181-10 MW-17D	Total/NA	Water	200.8	12776
240-243052-17	L602181-11 MW-17E	Total/NA	Water	200.8	12793
240-243052-18	L602181-12 MWT-17A	Total/NA	Water	200.8	12793
240-243052-19	L602181-13 FIELD BLANK	Total/NA	Water	200.8	12793
MB 350-12776/1-A	Method Blank	Total/NA	Water	200.8	12776
LCS 350-12776/2-A	Lab Control Sample	Total/NA	Water	200.8	12776
240-243052-1 MS	L602178-01 MW-16A	Total/NA	Water	200.8	12776
240-243052-1 MSD	L602178-01 MW-16A	Total/NA	Water	200.8	12776
240-243052-2 MS	L602178-02 MW-16B	Total/NA	Water	200.8	12776
240-243052-2 MSD	L602178-02 MW-16B	Total/NA	Water	200.8	12776

Metals (Continued)

Analysis Batch: 12889 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-17 MS	L602181-11 MW-17E	Total/NA	Water	200.8	12793
240-243052-17 MSD	L602181-11 MW-17E	Total/NA	Water	200.8	12793

Prep Batch: 690512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total/NA	Water	245.1-1994 R3.0	
240-243052-2	L602178-02 MW-16B	Total/NA	Water	245.1-1994 R3.0	
240-243052-3	L602178-03 MW-16C	Total/NA	Water	245.1-1994 R3.0	
240-243052-4	L602178-04 MW-16D	Total/NA	Water	245.1-1994 R3.0	
240-243052-5	L602178-05 MWT-16B	Total/NA	Water	245.1-1994 R3.0	
240-243052-6	L602178-06 FIELD BLANK	Total/NA	Water	245.1-1994 R3.0	
240-243052-8	L602181-02 MW-3	Total/NA	Water	245.1-1994 R3.0	
240-243052-9	L602181-03 MW-6	Total/NA	Water	245.1-1994 R3.0	
240-243052-10	L602181-04 MW-7C	Total/NA	Water	245.1-1994 R3.0	
240-243052-12	L602181-06 MW-12B	Total/NA	Water	245.1-1994 R3.0	
240-243052-13	L602181-07 MW-17A	Total/NA	Water	245.1-1994 R3.0	
240-243052-14	L602181-08 MW-17B	Total/NA	Water	245.1-1994 R3.0	
240-243052-15	L602181-09 MW-17C	Total/NA	Water	245.1-1994 R3.0	
240-243052-16	L602181-10 MW-17D	Total/NA	Water	245.1-1994 R3.0	
240-243052-17	L602181-11 MW-17E	Total/NA	Water	245.1-1994 R3.0	
240-243052-18	L602181-12 MWT-17A	Total/NA	Water	245.1-1994 R3.0	
240-243052-19	L602181-13 FIELD BLANK	Total/NA	Water	245.1-1994 R3.0	
MB 240-690512/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	
LCS 240-690512/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	
240-243052-1 MS	L602178-01 MW-16A	Total/NA	Water	245.1-1994 R3.0	
240-243052-1 MSD	L602178-01 MW-16A	Total/NA	Water	245.1-1994 R3.0	
240-243052-2 MS	L602178-02 MW-16B	Total/NA	Water	245.1-1994 R3.0	
240-243052-2 MSD	L602178-02 MW-16B	Total/NA	Water	245.1-1994 R3.0	

Prep Batch: 690525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-7	L602181-01 MW-2	Total Recoverable	Water	200.8-1994 R5.4	
MB 240-690525/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-690525/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	

Prep Batch: 690528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-7	L602181-01 MW-2	Total/NA	Water	245.1-1994 R3.0	
MB 240-690528/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	
LCS 240-690528/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	

Prep Batch: 690650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-7	L602181-01 MW-2	Dissolved	Water	200.8-1994 R5.4	
MB 240-690650/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-690650/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	

Prep Batch: 690657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-7	L602181-01 MW-2	Dissolved	Water	245.1-1994 R3.0	
MB 240-690657/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	

Metals (Continued)

Prep Batch: 690657 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-690657/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	

Analysis Batch: 690679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-7	L602181-01 MW-2	Total/NA	Water	245.1-1994 R3.0	690528
MB 240-690528/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	690528
LCS 240-690528/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	690528

Analysis Batch: 690680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-2	L602178-02 MW-16B	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-3	L602178-03 MW-16C	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-4	L602178-04 MW-16D	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-5	L602178-05 MWT-16B	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-6	L602178-06 FIELD BLANK	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-8	L602181-02 MW-3	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-9	L602181-03 MW-6	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-10	L602181-04 MW-7C	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-12	L602181-06 MW-12B	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-13	L602181-07 MW-17A	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-14	L602181-08 MW-17B	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-15	L602181-09 MW-17C	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-16	L602181-10 MW-17D	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-17	L602181-11 MW-17E	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-18	L602181-12 MWT-17A	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-19	L602181-13 FIELD BLANK	Total/NA	Water	245.1-1994 R3.0	690512
MB 240-690512/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	690512
LCS 240-690512/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-1 MS	L602178-01 MW-16A	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-1 MSD	L602178-01 MW-16A	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-2 MS	L602178-02 MW-16B	Total/NA	Water	245.1-1994 R3.0	690512
240-243052-2 MSD	L602178-02 MW-16B	Total/NA	Water	245.1-1994 R3.0	690512

Analysis Batch: 690699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-7	L602181-01 MW-2	Total Recoverable	Water	200.8-1994 R5.4	690525
MB 240-690525/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	690525
LCS 240-690525/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	690525

Analysis Batch: 690825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-7	L602181-01 MW-2	Dissolved	Water	200.8-1994 R5.4	690650
240-243052-7	L602181-01 MW-2	Dissolved	Water	200.8-1994 R5.4	690650
MB 240-690650/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	690650
LCS 240-690650/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	690650

Analysis Batch: 690833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-7	L602181-01 MW-2	Dissolved	Water	245.1-1994 R3.0	690657
MB 240-690657/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	690657

Metals (Continued)

Analysis Batch: 690833 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-690657/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	690657

Analysis Batch: 690976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-7	L602181-01 MW-2	Total Recoverable	Water	200.8-1994 R5.4	690525

Prep Batch: 691082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-2	L602178-02 MW-16B	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-3	L602178-03 MW-16C	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-4	L602178-04 MW-16D	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-5	L602178-05 MWT-16B	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-6	L602178-06 FIELD BLANK	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-8	L602181-02 MW-3	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-9	L602181-03 MW-6	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-10	L602181-04 MW-7C	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-12	L602181-06 MW-12B	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-13	L602181-07 MW-17A	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-14	L602181-08 MW-17B	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-15	L602181-09 MW-17C	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-16	L602181-10 MW-17D	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-17	L602181-11 MW-17E	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-18	L602181-12 MWT-17A	Total Recoverable	Water	200.8-1994 R5.4	
240-243052-19	L602181-13 FIELD BLANK	Total Recoverable	Water	200.8-1994 R5.4	
MB 240-691082/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-691082/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	

Analysis Batch: 691276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-691082/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	691082
LCS 240-691082/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	691082

Analysis Batch: 691307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total Recoverable	Water	2340 B-2021	
240-243052-2	L602178-02 MW-16B	Total Recoverable	Water	2340 B-2021	
240-243052-3	L602178-03 MW-16C	Total Recoverable	Water	2340 B-2021	
240-243052-4	L602178-04 MW-16D	Total Recoverable	Water	2340 B-2021	
240-243052-5	L602178-05 MWT-16B	Total Recoverable	Water	2340 B-2021	
240-243052-6	L602178-06 FIELD BLANK	Total Recoverable	Water	2340 B-2021	
240-243052-7	L602181-01 MW-2	Total Recoverable	Water	2340 B-2021	
240-243052-8	L602181-02 MW-3	Total Recoverable	Water	2340 B-2021	
240-243052-9	L602181-03 MW-6	Total Recoverable	Water	2340 B-2021	
240-243052-10	L602181-04 MW-7C	Total Recoverable	Water	2340 B-2021	
240-243052-12	L602181-06 MW-12B	Total Recoverable	Water	2340 B-2021	
240-243052-13	L602181-07 MW-17A	Total Recoverable	Water	2340 B-2021	
240-243052-14	L602181-08 MW-17B	Total Recoverable	Water	2340 B-2021	
240-243052-15	L602181-09 MW-17C	Total Recoverable	Water	2340 B-2021	
240-243052-16	L602181-10 MW-17D	Total Recoverable	Water	2340 B-2021	
240-243052-17	L602181-11 MW-17E	Total Recoverable	Water	2340 B-2021	

Metals (Continued)

Analysis Batch: 691307 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-18	L602181-12 MWT-17A	Total Recoverable	Water	2340 B-2021	
240-243052-19	L602181-13 FIELD BLANK	Total Recoverable	Water	2340 B-2021	

Analysis Batch: 691310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-2	L602178-02 MW-16B	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-3	L602178-03 MW-16C	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-4	L602178-04 MW-16D	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-5	L602178-05 MWT-16B	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-6	L602178-06 FIELD BLANK	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-8	L602181-02 MW-3	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-9	L602181-03 MW-6	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-10	L602181-04 MW-7C	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-12	L602181-06 MW-12B	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-13	L602181-07 MW-17A	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-14	L602181-08 MW-17B	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-15	L602181-09 MW-17C	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-16	L602181-10 MW-17D	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-17	L602181-11 MW-17E	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-18	L602181-12 MWT-17A	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-19	L602181-13 FIELD BLANK	Total Recoverable	Water	200.8-1994 R5.4	691082

Analysis Batch: 691421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-2	L602178-02 MW-16B	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-3	L602178-03 MW-16C	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-4	L602178-04 MW-16D	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-5	L602178-05 MWT-16B	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-6	L602178-06 FIELD BLANK	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-8	L602181-02 MW-3	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-9	L602181-03 MW-6	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-10	L602181-04 MW-7C	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-12	L602181-06 MW-12B	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-13	L602181-07 MW-17A	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-14	L602181-08 MW-17B	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-15	L602181-09 MW-17C	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-16	L602181-10 MW-17D	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-17	L602181-11 MW-17E	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-18	L602181-12 MWT-17A	Total Recoverable	Water	200.8-1994 R5.4	691082
240-243052-19	L602181-13 FIELD BLANK	Total Recoverable	Water	200.8-1994 R5.4	691082

General Chemistry

Analysis Batch: 690486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total/NA	Water	2540 C-2020	
240-243052-2	L602178-02 MW-16B	Total/NA	Water	2540 C-2020	
240-243052-3	L602178-03 MW-16C	Total/NA	Water	2540 C-2020	
240-243052-4	L602178-04 MW-16D	Total/NA	Water	2540 C-2020	

General Chemistry (Continued)

Analysis Batch: 690486 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-5	L602178-05 MWT-16B	Total/NA	Water	2540 C-2020	
240-243052-6	L602178-06 FIELD BLANK	Total/NA	Water	2540 C-2020	
240-243052-7	L602181-01 MW-2	Total/NA	Water	2540 C-2020	
240-243052-8	L602181-02 MW-3	Total/NA	Water	2540 C-2020	
240-243052-9	L602181-03 MW-6	Total/NA	Water	2540 C-2020	
240-243052-10	L602181-04 MW-7C	Total/NA	Water	2540 C-2020	
240-243052-11	L602181-05 MW-12	Total/NA	Water	2540 C-2020	
240-243052-12	L602181-06 MW-12B	Total/NA	Water	2540 C-2020	
240-243052-13	L602181-07 MW-17A	Total/NA	Water	2540 C-2020	
240-243052-14	L602181-08 MW-17B	Total/NA	Water	2540 C-2020	
240-243052-15	L602181-09 MW-17C	Total/NA	Water	2540 C-2020	
240-243052-16	L602181-10 MW-17D	Total/NA	Water	2540 C-2020	
240-243052-17	L602181-11 MW-17E	Total/NA	Water	2540 C-2020	
240-243052-18	L602181-12 MWT-17A	Total/NA	Water	2540 C-2020	
240-243052-19	L602181-13 FIELD BLANK	Total/NA	Water	2540 C-2020	
MB 240-690486/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-690486/2	Lab Control Sample	Total/NA	Water	2540 C-2020	
240-243052-2 DU	L602178-02 MW-16B	Total/NA	Water	2540 C-2020	
240-243052-15 DU	L602181-09 MW-17C	Total/NA	Water	2540 C-2020	

Analysis Batch: 690505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total/NA	Water	2540D-2020	
240-243052-2	L602178-02 MW-16B	Total/NA	Water	2540D-2020	
240-243052-3	L602178-03 MW-16C	Total/NA	Water	2540D-2020	
240-243052-4	L602178-04 MW-16D	Total/NA	Water	2540D-2020	
240-243052-5	L602178-05 MWT-16B	Total/NA	Water	2540D-2020	
240-243052-6	L602178-06 FIELD BLANK	Total/NA	Water	2540D-2020	
MB 240-690505/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-690505/2	Lab Control Sample	Total/NA	Water	2540D-2020	

Analysis Batch: 690517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-7	L602181-01 MW-2	Total/NA	Water	2540D-2020	
240-243052-8	L602181-02 MW-3	Total/NA	Water	2540D-2020	
240-243052-9	L602181-03 MW-6	Total/NA	Water	2540D-2020	
240-243052-10	L602181-04 MW-7C	Total/NA	Water	2540D-2020	
240-243052-11	L602181-05 MW-12	Total/NA	Water	2540D-2020	
240-243052-12	L602181-06 MW-12B	Total/NA	Water	2540D-2020	
240-243052-13	L602181-07 MW-17A	Total/NA	Water	2540D-2020	
240-243052-14	L602181-08 MW-17B	Total/NA	Water	2540D-2020	
240-243052-15	L602181-09 MW-17C	Total/NA	Water	2540D-2020	
240-243052-16	L602181-10 MW-17D	Total/NA	Water	2540D-2020	
240-243052-17	L602181-11 MW-17E	Total/NA	Water	2540D-2020	
240-243052-18	L602181-12 MWT-17A	Total/NA	Water	2540D-2020	
240-243052-19	L602181-13 FIELD BLANK	Total/NA	Water	2540D-2020	
MB 240-690517/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-690517/2	Lab Control Sample	Total/NA	Water	2540D-2020	

General Chemistry

Analysis Batch: 690562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total/NA	Water	300.0-1993 R2.1	
240-243052-1	L602178-01 MW-16A	Total/NA	Water	300.0-1993 R2.1	
240-243052-2	L602178-02 MW-16B	Total/NA	Water	300.0-1993 R2.1	
240-243052-3	L602178-03 MW-16C	Total/NA	Water	300.0-1993 R2.1	
240-243052-4	L602178-04 MW-16D	Total/NA	Water	300.0-1993 R2.1	
240-243052-5	L602178-05 MWT-16B	Total/NA	Water	300.0-1993 R2.1	
240-243052-6	L602178-06 FIELD BLANK	Total/NA	Water	300.0-1993 R2.1	
240-243052-7	L602181-01 MW-2	Total/NA	Water	300.0-1993 R2.1	
240-243052-8	L602181-02 MW-3	Total/NA	Water	300.0-1993 R2.1	
240-243052-8	L602181-02 MW-3	Total/NA	Water	300.0-1993 R2.1	
240-243052-9	L602181-03 MW-6	Total/NA	Water	300.0-1993 R2.1	
240-243052-9	L602181-03 MW-6	Total/NA	Water	300.0-1993 R2.1	
240-243052-10	L602181-04 MW-7C	Total/NA	Water	300.0-1993 R2.1	
240-243052-10	L602181-04 MW-7C	Total/NA	Water	300.0-1993 R2.1	
240-243052-12	L602181-06 MW-12B	Total/NA	Water	300.0-1993 R2.1	
240-243052-13	L602181-07 MW-17A	Total/NA	Water	300.0-1993 R2.1	
240-243052-13	L602181-07 MW-17A	Total/NA	Water	300.0-1993 R2.1	
240-243052-14	L602181-08 MW-17B	Total/NA	Water	300.0-1993 R2.1	
240-243052-14	L602181-08 MW-17B	Total/NA	Water	300.0-1993 R2.1	
240-243052-15	L602181-09 MW-17C	Total/NA	Water	300.0-1993 R2.1	
240-243052-15	L602181-09 MW-17C	Total/NA	Water	300.0-1993 R2.1	
240-243052-16	L602181-10 MW-17D	Total/NA	Water	300.0-1993 R2.1	
240-243052-17	L602181-11 MW-17E	Total/NA	Water	300.0-1993 R2.1	
240-243052-18	L602181-12 MWT-17A	Total/NA	Water	300.0-1993 R2.1	
240-243052-18	L602181-12 MWT-17A	Total/NA	Water	300.0-1993 R2.1	
240-243052-19	L602181-13 FIELD BLANK	Total/NA	Water	300.0-1993 R2.1	
MB 240-690562/3	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 240-690562/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
240-243052-12 MS	L602181-06 MW-12B	Total/NA	Water	300.0-1993 R2.1	
240-243052-12 MSD	L602181-06 MW-12B	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 690563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-11	L602181-05 MW-12	Total/NA	Water	300.0-1993 R2.1	
MB 240-690563/3	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 240-690563/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 690670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total/NA	Water	2320 B-2021	
240-243052-2	L602178-02 MW-16B	Total/NA	Water	2320 B-2021	
240-243052-3	L602178-03 MW-16C	Total/NA	Water	2320 B-2021	
240-243052-4	L602178-04 MW-16D	Total/NA	Water	2320 B-2021	
240-243052-5	L602178-05 MWT-16B	Total/NA	Water	2320 B-2021	
240-243052-6	L602178-06 FIELD BLANK	Total/NA	Water	2320 B-2021	
240-243052-7	L602181-01 MW-2	Total/NA	Water	2320 B-2021	
240-243052-8	L602181-02 MW-3	Total/NA	Water	2320 B-2021	
240-243052-9	L602181-03 MW-6	Total/NA	Water	2320 B-2021	
240-243052-10	L602181-04 MW-7C	Total/NA	Water	2320 B-2021	
240-243052-12	L602181-06 MW-12B	Total/NA	Water	2320 B-2021	
240-243052-13	L602181-07 MW-17A	Total/NA	Water	2320 B-2021	

General Chemistry (Continued)

Analysis Batch: 690670 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-14	L602181-08 MW-17B	Total/NA	Water	2320 B-2021	
240-243052-15	L602181-09 MW-17C	Total/NA	Water	2320 B-2021	
240-243052-16	L602181-10 MW-17D	Total/NA	Water	2320 B-2021	
240-243052-17	L602181-11 MW-17E	Total/NA	Water	2320 B-2021	
240-243052-18	L602181-12 MWT-17A	Total/NA	Water	2320 B-2021	
240-243052-19	L602181-13 FIELD BLANK	Total/NA	Water	2320 B-2021	
MB 240-690670/18	Method Blank	Total/NA	Water	2320 B-2021	
MB 240-690670/2	Method Blank	Total/NA	Water	2320 B-2021	
240-243052-8 DU	L602181-02 MW-3	Total/NA	Water	2320 B-2021	
240-243052-19 DU	L602181-13 FIELD BLANK	Total/NA	Water	2320 B-2021	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602178-01 MW-16A

Lab Sample ID: 240-243052-1

Date Collected: 02/09/26 11:43
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 19:36
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12799	JLS	EET SSM	02/20/26 17:50
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 16:42
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691421	S4FJ	EET CLE	02/24/26 10:18
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 06:56
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:13
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 17:01
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690505	AAP	EET CLE	02/16/26 10:14
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 14:04
Total/NA	Analysis	300.0-1993 R2.1		10	690562	JMR	EET CLE	02/17/26 14:12

Client Sample ID: L602178-02 MW-16B

Lab Sample ID: 240-243052-2

Date Collected: 02/09/26 13:15
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 19:52
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12799	JLS	EET SSM	02/20/26 18:11
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 16:51
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691421	S4FJ	EET CLE	02/24/26 10:20
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 06:56
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:18
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 17:10
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690505	AAP	EET CLE	02/16/26 10:14
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 14:20

Client Sample ID: L602178-03 MW-16C

Lab Sample ID: 240-243052-3

Date Collected: 02/09/26 14:49

Matrix: Water

Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:08
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 20:23
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 16:53
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		2	691421	S4FJ	EET CLE	02/24/26 10:26
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 06:56
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:23
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 17:18
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690505	AAP	EET CLE	02/16/26 10:14
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 14:27

Client Sample ID: L602178-04 MW-16D

Lab Sample ID: 240-243052-4

Date Collected: 02/09/26 11:28

Matrix: Water

Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:11
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 20:26
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 16:56
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	691421	S4FJ	EET CLE	02/24/26 10:28
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 06:56
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:29
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 17:27
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690505	AAP	EET CLE	02/16/26 10:14
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 14:35

Client Sample ID: L602178-05 MWT-16B

Lab Sample ID: 240-243052-5

Date Collected: 02/09/26 13:15

Matrix: Water

Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:14

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602178-05 MWT-16B

Lab Sample ID: 240-243052-5
Matrix: Water
Date Collected: 02/09/26 13:15
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 20:29
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 16:59
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691421	S4FJ	EET CLE	02/24/26 10:31
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 06:56
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:30
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 17:35
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690505	AAP	EET CLE	02/16/26 10:14
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 14:58

Client Sample ID: L602178-06 FIELD BLANK

Lab Sample ID: 240-243052-6
Matrix: Water
Date Collected: 02/09/26 08:30
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:18
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 20:32
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 17:01
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691421	S4FJ	EET CLE	02/24/26 10:34
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 06:56
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:32
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 18:22
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690505	AAP	EET CLE	02/16/26 10:14
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 15:06

Client Sample ID: L602181-01 MW-2

Lab Sample ID: 240-243052-7
Matrix: Water
Date Collected: 02/10/26 14:45
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12776	RMN	EET SSM	02/19/26 16:19
Dissolved	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:24
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:21

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602181-01 MW-2

Lab Sample ID: 240-243052-7

Date Collected: 02/10/26 14:45
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12776	RMN	EET SSM	02/19/26 16:19
Dissolved	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 20:37
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 20:35
Dissolved	Prep	200.8-1994 R5.4			690650	MN7X	EET CLE	02/17/26 16:00
Dissolved	Analysis	200.8-1994 R5.4		20	690825	S4FJ	EET CLE	02/18/26 12:45
Dissolved	Prep	200.8-1994 R5.4			690650	MN7X	EET CLE	02/17/26 16:00
Dissolved	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 16:37
Total Recoverable	Prep	200.8-1994 R5.4			690525	F3PF	EET CLE	02/16/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690699	S4FJ	EET CLE	02/17/26 15:13
Total Recoverable	Prep	200.8-1994 R5.4			690525	F3PF	EET CLE	02/16/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	690976	S4FJ	EET CLE	02/19/26 11:34
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 06:56
Dissolved	Prep	245.1-1994 R3.0			690657	MN7X	EET CLE	02/17/26 14:00
Dissolved	Analysis	245.1-1994 R3.0		1	690833	TQ6W	EET CLE	02/18/26 11:19
Total/NA	Prep	245.1-1994 R3.0			690528	F3PF	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690679	TQ6W	EET CLE	02/17/26 11:21
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 18:27
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690517	AAP	EET CLE	02/16/26 11:24
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 15:13

Client Sample ID: L602181-02 MW-3

Lab Sample ID: 240-243052-8

Date Collected: 02/10/26 12:20
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:28
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 20:40
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 17:04
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		50	691421	S4FJ	EET CLE	02/24/26 10:36
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 06:56
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:34
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 18:55
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690517	AAP	EET CLE	02/16/26 11:24
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 15:29
Total/NA	Analysis	300.0-1993 R2.1		5	690562	JMR	EET CLE	02/17/26 15:37

Client Sample ID: L602181-03 MW-6

Lab Sample ID: 240-243052-9

Date Collected: 02/10/26 16:25

Matrix: Water

Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:31
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 20:48
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 17:07
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		5	691421	S4FJ	EET CLE	02/24/26 10:39
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 06:56
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:35
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 19:09
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690517	AAP	EET CLE	02/16/26 11:24
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 15:44
Total/NA	Analysis	300.0-1993 R2.1		5	690562	JMR	EET CLE	02/17/26 15:52

Client Sample ID: L602181-04 MW-7C

Lab Sample ID: 240-243052-10

Date Collected: 02/10/26 17:27

Matrix: Water

Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:34
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 20:51
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 17:09
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		50	691421	S4FJ	EET CLE	02/24/26 10:42
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 06:56
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:37
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 19:19
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690517	AAP	EET CLE	02/16/26 11:24
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 16:38
Total/NA	Analysis	300.0-1993 R2.1		5	690562	JMR	EET CLE	02/17/26 16:46

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602181-05 MW-12

Lab Sample ID: 240-243052-11
Matrix: Water
Date Collected: 02/10/26 10:00
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690517	AAP	EET CLE	02/16/26 11:24
Total/NA	Analysis	300.0-1993 R2.1		1	690563	AAP	EET CLE	02/17/26 01:30

Client Sample ID: L602181-06 MW-12B

Lab Sample ID: 240-243052-12
Matrix: Water
Date Collected: 02/10/26 10:20
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:45
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 20:54
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 17:12
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	691421	S4FJ	EET CLE	02/24/26 10:50
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 06:56
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:39
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 19:26
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690517	AAP	EET CLE	02/16/26 11:24
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 16:00

Client Sample ID: L602181-07 MW-17A

Lab Sample ID: 240-243052-13
Matrix: Water
Date Collected: 02/10/26 09:36
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:48
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 20:57
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 17:15
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	691421	S4FJ	EET CLE	02/24/26 10:53
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 06:56
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:41
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 19:34
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690517	AAP	EET CLE	02/16/26 11:24

Client Sample ID: L602181-07 MW-17A

Lab Sample ID: 240-243052-13

Date Collected: 02/10/26 09:36

Matrix: Water

Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 16:54
Total/NA	Analysis	300.0-1993 R2.1		5	690562	JMR	EET CLE	02/17/26 17:02

Client Sample ID: L602181-08 MW-17B

Lab Sample ID: 240-243052-14

Date Collected: 02/10/26 11:32

Matrix: Water

Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:51
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 21:00
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 17:23
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		10	691421	S4FJ	EET CLE	02/24/26 10:55
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 06:56
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:42
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 19:42
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690517	AAP	EET CLE	02/16/26 11:24
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 17:09
Total/NA	Analysis	300.0-1993 R2.1		5	690562	JMR	EET CLE	02/17/26 17:17

Client Sample ID: L602181-09 MW-17C

Lab Sample ID: 240-243052-15

Date Collected: 02/10/26 12:52

Matrix: Water

Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:54
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 21:03
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 17:25
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		10	691421	S4FJ	EET CLE	02/24/26 10:58
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 14:09
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:44
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 19:49
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690517	AAP	EET CLE	02/16/26 11:24

Client Sample ID: L602181-09 MW-17C

Lab Sample ID: 240-243052-15

Date Collected: 02/10/26 12:52

Matrix: Water

Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 17:24
Total/NA	Analysis	300.0-1993 R2.1		5	690562	JMR	EET CLE	02/17/26 17:32

Client Sample ID: L602181-10 MW-17D

Lab Sample ID: 240-243052-16

Date Collected: 02/10/26 14:21

Matrix: Water

Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 20:58
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 21:22
Total/NA	Prep	200.8			12776	RMN	EET SSM	02/19/26 16:19
Total/NA	Analysis	200.8		5	12889	JLS	EET SSM	02/25/26 21:25
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 17:28
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	691421	S4FJ	EET CLE	02/24/26 11:01
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 14:09
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:49
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 19:58
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690517	AAP	EET CLE	02/16/26 11:24
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 17:40

Client Sample ID: L602181-11 MW-17E

Lab Sample ID: 240-243052-17

Date Collected: 02/10/26 15:42

Matrix: Water

Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 21:30
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 21:48
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 17:31
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	691421	S4FJ	EET CLE	02/24/26 11:03
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 14:09
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:51
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 20:06
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602181-11 MW-17E

Lab Sample ID: 240-243052-17

Date Collected: 02/10/26 15:42
Date Received: 02/12/26 08:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540D-2020		1	690517	AAP	EET CLE	02/16/26 11:24
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 18:03

Client Sample ID: L602181-12 MWT-17A

Lab Sample ID: 240-243052-18

Date Collected: 02/10/26 09:36
Date Received: 02/12/26 08:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 21:40
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:03
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 17:34
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	691421	S4FJ	EET CLE	02/24/26 11:06
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 14:09
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:53
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 20:17
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690517	AAP	EET CLE	02/16/26 11:24
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 18:18
Total/NA	Analysis	300.0-1993 R2.1		5	690562	JMR	EET CLE	02/17/26 18:26

Client Sample ID: L602181-13 FIELD BLANK

Lab Sample ID: 240-243052-19

Date Collected: 02/10/26 08:30
Date Received: 02/12/26 08:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 21:43
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:06
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 17:36
Total Recoverable	Prep	200.8-1994 R5.4			691082	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691421	S4FJ	EET CLE	02/24/26 11:09
Total Recoverable	Analysis	2340 B-2021		1	691307	KLC	EET CLE	02/24/26 14:09
Total/NA	Prep	245.1-1994 R3.0			690512	MN7X	EET CLE	02/16/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690680	TQ6W	EET CLE	02/17/26 10:54
Total/NA	Analysis	2320 B-2021		1	690670	PQD2	EET CLE	02/16/26 20:25
Total/NA	Analysis	2540 C-2020		1	690486	AAP	EET CLE	02/16/26 09:41
Total/NA	Analysis	2540D-2020		1	690517	AAP	EET CLE	02/16/26 11:24

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-1

Client Sample ID: L602181-13 FIELD BLANK

Lab Sample ID: 240-243052-19

Date Collected: 02/10/26 08:30

Matrix: Water

Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0-1993 R2.1		1	690562	JMR	EET CLE	02/17/26 18:33

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Job ID: 240-243052-1
Project/Site: Erickson Wellfield Project

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-26

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
Arizona	State	AZ0854	01-13-27
California	State	2954	07-07-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	06-30-26
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167	03-01-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-25-24-59583A1	01-24-28
Washington	State	C788	07-13-26
Wisconsin	State	399133460	08-31-26

Chain of Custody

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Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info	Project Info	
Name: Jennifer Caporale	**Company:** Lansing Board of Water & Light	**Project Manager:** Howell, Leslie
Address : 1110 South Pennsylvania	**Purchase Order:** Contract number 4600002189	**Project Reference:**
Address 2:	**Work Order:**	**Sampler:** Marc Wahrer and Franklin Davis Ray
City, State Zip: Lansing, Michigan 48901	**Requested TAT:**	**Description:** Erickson Wellfield Project
Phone: 517-702-6482	**Project Number:** 24034575	**Site Name:** Erickson Projects
Email: Jennifer.Caporale@LBWL.com	**Sample State:** MI	
Deliverables:	**Special Instructions:** Dissolved metals filtered in field.	

See following pages for Method and Container information.

Bottles only in first sample (250 split → add bottle & copy

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long
1	L602178-01 MW-16A	Grab	Water	02/09/26 11:43			
2	L602178-02 MW-16B	Grab	Water	02/09/26 13:15			
3	L602178-03 MW-16C	Grab	Water	02/09/26 14:49			
4	L602178-04 MW-16D	Grab	Water	02/09/26 11:28			
5	L602178-05 MWT-16B	Grab	Water	02/09/26 13:15			
6	L602178-06 Field Blank	Grab	Water	02/09/26 08:30			
7	L602181-01 MW-2	Grab	Water	02/10/26 14:45			
8	L602181-02 MW-3	Grab	Water	02/10/26 12:20			
9	L602181-03 MW-6	Grab	Water	02/10/26 16:25			
10	L602181-04 MW-7C	Grab	Water	02/10/26 17:27			
11	L602181-05 MW-12	Grab	Water	02/10/26 17:00			
12	L602181-06 MW-12B	Grab	Water	02/10/26 10:20			

240-243052 Chain of Custody

Chain of Custody Number: **459831**

*H – Analysis on hold.

Chain of Custody

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Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
Dissolved metals filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Wellfield Project

Site Name:
Erickson Projects

See following pages for Method and Container information.

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long
13	L602181-07 MW-17A	Grab	Water	02/10/26 09:36			
14	L602181-08 MW-17B	Grab	Water	02/10/26 11:32			
15	L602181-09 MW-17C	Grab	Water	02/10/26 12:52			
16	L602181-10 MW-17D	Grab	Water	02/10/26 14:21			
17	L602181-11 MW-17E	Grab	Water	02/10/26 15:42			
18	L602181-12 MWT-17A	Grab	Water	02/10/26 09:36			
19	L602181-13 Field Blank	Grab	Water	02/10/26 08:30			

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished To:	Date/Time:		
Jennifer Caporale	02/11/26 09:42	Michigan - Waypoint courier Jennifer Caporale	02/11/26 09:42	JCollins	2/12/26 800

Chain of Custody Number: **459831**

Coolers								
Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260211A001								
MIC20260211A001								
MIC20260211A001								
MIC20260211A001								
MIC20260211A001								

Chain of Custody Methods

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Samples		Methods																			
#	Sample Name	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calcula	200.7 Rev 4.4 / Metals (ICP) / Dissolved Na & K	2320B Bicarbonate & Carbonate Alkalinity [ANY]	Ra226_228GFPC_P Combined Ra226&228 [160]	245.1-1994 R3.0 / Mercury (CVAA) / Mercury	200.8/200.8_P_TR Project List (18) [C01]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	200 7_CWA/200.7_P_TOT Potassium & Sodium [M02]	2540C_Calcd Total Dissolved Solids [TDS]	2540D Solids, Total Suspended (TSS) [TSS]	904.0/PrecSep_0 Ra-228 [STD]	903.0/PrecSep_21 Ra-226 [STD]	200.8-1994 R5.4 / Metals (ICP/MS) / Project List (19)	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	245.1/245.1_Prep Mercury [MER]	200.8 / Metals (ICP/MS) / Custom List 2: 2-3 Metals					
1	L602178-01 MW-16A	X		X	X		X	X	X	X	X	X	X		X	X					
2	L602178-02 MW-16B	X		X	X		X	X	X	X	X	X	X		X	X					
3	L602178-03 MW-16C	X		X	X		X	X	X	X	X	X	X		X	X					
4	L602178-04 MW-16D	X		X	X		X	X	X	X	X	X	X		X	X					
5	L602178-05 MWT 16B	X		X	X		X	X	X	X	X	X	X		X	X					
6	L602178-06 Field Blank	X		X	X		X	X	X	X	X	X	X		X	X					
7	L602181-01 MW-2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
8	L602181-02 MW-3	X		X	X		X	X	X	X	X	X	X		X	X					
9	L602181-03 MW-6	X		X	X		X	X	X	X	X	X	X		X	X					
10	L602181-04 MW-7C	X		X	X		X	X	X	X	X	X	X		X	X					
11	L602181-05 MW-12							X		X	X										
12	L602181-06 MW-12B	X		X	X		X	X	X	X	X	X	X		X	X					
13	L602181-07 MW-17A	X		X	X		X	X	X	X	X	X	X		X	X					
14	L602181-08 MW-17B	X		X	X		X	X	X	X	X	X	X		X	X					
15	L602181-09 MW-17C	X		X	X		X	X	X	X	X	X	X		X	X					
16	L602181-10 MW-17D	X		X	X		X	X	X	X	X	X	X		X	X					

Chain of Custody Number 459831

Chain of Custody Methods

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Samples		Methods																			
#	Sample Name	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calcula	200 7 Rev 4.4 / Metals (ICP) / Dissolved Na & K	2320B Bicarbonate & Carbonate Alkalinity [ANY]	Ra226_228GFPC_P Combined Ra226&228 [160]	245.1 1994 R3.0 / Mercury (CVAA) / Mercury	200.8/200.8_P_TR Project List (18) [C01]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	2540C_Calcd Total Dissolved Solids [TDS]	2540D Solids Total Suspended (TSS) [TSS]	904.0/PrecSep_0 Ra-228 [STD]	903.0/PrecSep_21 Ra-226 [STD]	200.8-1994 R5.4 / Metals (ICP/MS) / Project List (19)	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	245 1/245.1_Prep Mercury [MER]	200.8 / Metals (ICP/MS) / Custom List 2 2-3 Metals					
17	L602181-11 MW-17E	X		X	X		X	X	X	X	X	X	X		X	X						
18	L602181-12 MWT-17A	X		X	X		X	X	X	X	X	X	X		X	X						
19	L602181 13 Field Blank	X		X	X		X	X	X	X	X	X	X		X	X						

Chain of Custody Bottles

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Bottle Name	Total Bottles
Plastic 60 mL - unpreserved	38
Plastic 250ml - with Nitric Acid	18
Plastic 1 liter - unpreserved	19
Plastic 500ml - w/ Nitric - Dis.	1
Plastic 1 liter - Nitric Acid	36
Plastic 500ml - unpreserved	19
Plastic 500ml with Nitric Acid	18

Samples		Bottles																					
#	Sample Name	Total Bottles For Sample	Plastic 60 mL unpreserved	Plastic 250ml with Nitric Acid	Plastic 1 liter - unpreserved	Plastic 500ml - w/ Nitric - Dis.	Plastic 1 liter Nitric Acid	Plastic 500ml - unpreserved	Plastic 500ml - with Nitric Acid														
1	L602178-01 MW-16A	8	2	1	1		2	1	1														
2	L602178-02 MW-16B	8	2	1	1		2	1	1														
3	L602178-03 MW-16C	8	2	1	1		2	1	1														
4	L602178-04 MW-16D	8	2	1	1		2	1	1														
5	L602178-05 MWT-16B	8	2	1	1		2	1	1														
6	L602178-06 Field Blank	8	2	1	1		2	1	1														
7	L602181-01 MW-2	9	2	1	1	1	2	1	1														
8	L602181-02 MW-3	8	2	1	1		2	1	1														
9	L602181-03 MW-6	8	2	1	1		2	1	1														
10	L602181-04 MW-7C	8	2	1	1		2	1	1														
11	L602181-05 MW-12	4	2		1			1															
12	L602181-06 MW-12B	8	2	1	1		2	1	1														
13	L602181-07 MW-17A	8	2	1	1		2	1	1														
14	L602181-08 MW-17B	8	2	1	1		2	1	1														
15	L602181-09 MW-17C	8	2	1	1		2	1	1														
16	L602181-10 MW-17D	8	2	1	1		2	1	1														

Chain of Custody Bottles

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Bottle Name	Total Bottles
Plastic 60 mL - unpreserved	38
Plastic 250ml - with Nitric Acid	18
Plastic 1 liter - unpreserved	19
Plastic 500ml - w/ Nitric - Dis.	1
Plastic 1 liter Nitric Acid	36
Plastic 500ml - unpreserved	19
Plastic 500ml - with Nitric Acid	18

Samples	
#	Sample Name
17	L602181 11 MW-17E
18	L602181-12 MWT-17A
19	L602181-13 Field Blank

	Bottles																				
Total Bottles For Sample	Plastic 60 mL - unpreserved	Plastic 250ml with Nitric Acid	Plastic 1 liter unpreserved	Plastic 500ml w/ Nitric Dis.	Plastic 1 liter Nitric Acid	Plastic 500ml unpreserved	Plastic 500ml with Nitric Acid														
8	2	1	1		2	1	1														
8	2	1	1		2	1	1														
8	2	1	1		2	1	1														

Eurofins – Cleveland Sample Receipt Form/Narrative Login # : 243052
Barberton Facility

Client Lansing Board of Water & Light Site Name
Cooler Received on 2-12-26 Opened on 2-12-26
Cooler unpacked by: JC
FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other
Receipt After-hours: Drop-off Date/Time Storage Location
Eurofins Cooler # 20 Foam Box Client Cooler Box Other
Packing material used: Bubble Wrap Foam Plastic Bag None Other
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☑ See Multiple Cooler Form
IR GUN # 17 (CF +0.5 °C) Observed Cooler Temp. • °C Corrected Cooler Temp. • °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC567196
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
17. Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:
Labels Verified by:

19. SAMPLE CONDITION
Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container.
Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION
Sample(s) were further preserved in the laboratory.
Time preserved: Preservative(s) added/Lot number(s):

VOA Sample Preservation - Date/Time VOAs Frozen:

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 17	3.6	4.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.9	3.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.4	2.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	3.6	4.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	0.4	0.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.4	1.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	3.6	4.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	3.3	3.8	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	

2/12/2026

Login Container Summary Report

240-243052

4/7/2026 (Rev. 1)

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602178-01 MW-16A	240-243052-A-1	Plastic 60 mL - unpreserved				
L602178-01 MW-16A	240-243052-B-1	Plastic 60 mL - unpreserved				
L602178-01 MW-16A	240-243052-C-1	Plastic 250ml - with Nitric Acid	<2			
L602178-01 MW-16A	240-243052-D-1	Plastic 500ml - unpreserved				
L602178-01 MW-16A	240-243052-E-1	Plastic 500ml - with Nitric Acid	<2			
L602178-01 MW-16A	240-243052-F-1	Plastic 1 liter - unpreserved				
L602178-01 MW-16A	240-243052-G-1	Plastic 1 liter - Nitric Acid	<2			
L602178-01 MW-16A	240-243052-H-1	Plastic 1 liter - Nitric Acid	<2			
L602178-02 MW-16B	240-243052-A-2	Plastic 60 mL - unpreserved				
L602178-02 MW-16B	240-243052-B-2	Plastic 60 mL - unpreserved				
L602178-02 MW-16B	240-243052-C-2	Plastic 250ml - with Nitric Acid	<2			
L602178-02 MW-16B	240-243052-D-2	Plastic 500ml - unpreserved				
L602178-02 MW-16B	240-243052-E-2	Plastic 500ml - with Nitric Acid	<2			
L602178-02 MW-16B	240-243052-F-2	Plastic 1 liter - unpreserved				
L602178-02 MW-16B	240-243052-G-2	Plastic 1 liter - Nitric Acid	<2			
L602178-02 MW-16B	240-243052-H-2	Plastic 1 liter - Nitric Acid	<2			
L602178-03 MW-16C	240-243052-A-3	Plastic 60 mL - unpreserved				
L602178-03 MW-16C	240-243052-B-3	Plastic 60 mL - unpreserved				
L602178-03 MW-16C	240-243052-C-3	Plastic 250ml - with Nitric Acid	<2			
L602178-03 MW-16C	240-243052-D-3	Plastic 500ml - unpreserved				
L602178-03 MW-16C	240-243052-E-3	Plastic 500ml - with Nitric Acid	<2			
L602178-03 MW-16C	240-243052-F-3	Plastic 1 liter - unpreserved				
L602178-03 MW-16C	240-243052-G-3	Plastic 1 liter - Nitric Acid	<2			
L602178-03 MW-16C	240-243052-H-3	Plastic 1 liter - Nitric Acid	<2			
L602178-04 MW-16D	240-243052-A-4	Plastic 60 mL - unpreserved				
L602178-04 MW-16D	240-243052-B-4	Plastic 60 mL - unpreserved				
L602178-04 MW-16D	240-243052-C-4	Plastic 250ml - with Nitric Acid	<2			
L602178-04 MW-16D	240-243052-D-4	Plastic 500ml - unpreserved				
L602178-04 MW-16D	240-243052-E-4	Plastic 500ml - with Nitric Acid	<2			
L602178-04 MW-16D	240-243052-F-4	Plastic 1 liter - unpreserved				
L602178-04 MW-16D	240-243052-G-4	Plastic 1 liter - Nitric Acid	<2			
L602178-04 MW-16D	240-243052-H-4	Plastic 1 liter - Nitric Acid	<2			
L602178-05 MWT-16B	240-243052-A-5	Plastic 60 mL - unpreserved				
L602178-05 MWT-16B	240-243052-B-5	Plastic 60 mL - unpreserved				
L602178-05 MWT 16B	240-243052-C-5	Plastic 250ml - with Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602178-05 MWT-16B	240-243052-D-5	Plastic 500ml - unpreserved				
L602178-05 MWT-16B	240-243052-E-5	Plastic 500ml - with Nitric Acid	<2			
L602178-05 MWT-16B	240-243052-F-5	Plastic 1 liter - unpreserved				
L602178-05 MWT-16B	240-243052-G-5	Plastic 1 liter - Nitric Acid	<2			
L602178-05 MWT-16B	240-243052-H-5	Plastic 1 liter - Nitric Acid	<2			
L602178-06 FIELD BLANK	240-243052-A-6	Plastic 60 mL - unpreserved				
L602178-06 FIELD BLANK	240-243052-B-6	Plastic 60 mL - unpreserved				
L602178-06 FIELD BLANK	240-243052-C-6	Plastic 250ml - with Nitric Acid	<2			
L602178-06 FIELD BLANK	240-243052-D-6	Plastic 500ml - unpreserved				
L602178-06 FIELD BLANK	240-243052-E-6	Plastic 500ml - with Nitric Acid	<2			
L602178-06 FIELD BLANK	240-243052-F-6	Plastic 1 liter - unpreserved				
L602178-06 FIELD BLANK	240-243052-G-6	Plastic 1 liter - Nitric Acid	<2			
L602178-06 FIELD BLANK	240-243052-H-6	Plastic 1 liter - Nitric Acid	<2			
L602181-01 MW-2	240-243052-A-7	Plastic 60 mL - unpreserved				
L602181-01 MW-2	240-243052-B-7	Plastic 60 mL - unpreserved				
L602181-01 MW-2	240-243052-C-7	Plastic 250ml - with Nitric Acid	<2			
L602181-01 MW-2	240-243052-D-7	Plastic 500ml - unpreserved				
L602181-01 MW-2	240-243052-E-7	Plastic 500ml - with Nitric Acid	<2			
L602181-01 MW-2	240-243052-F-7	Plastic 500ml - w/ Nitric - Dis.	<2			
L602181-01 MW-2	240-243052-G-7	Plastic 1 liter - unpreserved				
L602181-01 MW-2	240-243052-H-7	Plastic 1 liter - Nitric Acid	<2			
L602181-01 MW-2	240-243052-I-7	Plastic 1 liter - Nitric Acid	<2			
L602181-02 MW-3	240-243052-A-8	Plastic 60 mL - unpreserved				
L602181-02 MW-3	240-243052-B-8	Plastic 60 mL - unpreserved				
L602181-02 MW-3	240-243052-C-8	Plastic 250ml - with Nitric Acid	<2			
L602181-02 MW-3	240-243052-D-8	Plastic 500ml - unpreserved				
L602181-02 MW-3	240-243052-E-8	Plastic 500ml - with Nitric Acid	<2			
L602181-02 MW-3	240-243052-F-8	Plastic 1 liter - unpreserved				
L602181-02 MW-3	240-243052-G-8	Plastic 1 liter - Nitric Acid	<2			
L602181-02 MW-3	240-243052-H-8	Plastic 1 liter - Nitric Acid	<2			
L602181-03 MW-6	240-243052-A-9	Plastic 60 mL - unpreserved				
L602181-03 MW-6	240-243052-B-9	Plastic 60 mL - unpreserved				
L602181-03 MW-6	240-243052-C-9	Plastic 250ml - with Nitric Acid	<2			
L602181-03 MW-6	240-243052-D-9	Plastic 500ml - unpreserved				
L602181-03 MW-6	240-243052-E-9	Plastic 500ml - with Nitric Acid	<2			
L602181-03 MW-6	240-243052-F-9	Plastic 1 liter - unpreserved				
L602181-03 MW-6	240-243052-G-9	Plastic 1 liter - Nitric Acid	<2			
L602181-03 MW-6	240-243052-H-9	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602181-04 MW-7C	240-243052-A-10	Plastic 60 mL - unpreserved				
L602181-04 MW-7C	240-243052-B-10	Plastic 60 mL - unpreserved				
L602181-04 MW-7C	240-243052-C-10	Plastic 250ml - with Nitric Acid	<2			
L602181-04 MW-7C	240-243052-D-10	Plastic 500ml - unpreserved				
L602181-04 MW-7C	240-243052-E-10	Plastic 500ml - with Nitric Acid	<2			
L602181-04 MW-7C	240-243052-F-10	Plastic 1 liter - unpreserved				
L602181-04 MW-7C	240-243052-G-10	Plastic 1 liter - Nitric Acid	<2			
L602181-04 MW-7C	240-243052-H-10	Plastic 1 liter - Nitric Acid	<2			
L602181-05 MW-12	240-243052-A-11	Plastic 60 mL - unpreserved				
L602181-05 MW-12	240-243052-B-11	Plastic 60 mL - unpreserved				
L602181-05 MW-12	240-243052-C-11	Plastic 500ml - unpreserved				
L602181-05 MW-12	240-243052-D-11	Plastic 1 liter - unpreserved				
L602181-06 MW-12B	240-243052-A-12	Plastic 60 mL - unpreserved				
L602181-06 MW-12B	240-243052-B-12	Plastic 60 mL - unpreserved				
L602181-06 MW-12B	240-243052-C-12	Plastic 250ml - with Nitric Acid	<2			
L602181-06 MW-12B	240-243052-D-12	Plastic 500ml - unpreserved				
L602181-06 MW-12B	240-243052-E-12	Plastic 500ml - with Nitric Acid	<2			
L602181-06 MW-12B	240-243052-F-12	Plastic 1 liter - unpreserved				
L602181-06 MW-12B	240-243052-G-12	Plastic 1 liter - Nitric Acid	<2			
L602181-06 MW-12B	240-243052-H-12	Plastic 1 liter - Nitric Acid	<2			
L602181-07 MW-17A	240-243052-A-13	Plastic 60 mL - unpreserved				
L602181-07 MW-17A	240-243052-B-13	Plastic 60 mL - unpreserved				
L602181-07 MW-17A	240-243052-C-13	Plastic 250ml - with Nitric Acid	<2			
L602181-07 MW-17A	240-243052-D-13	Plastic 500ml - unpreserved				
L602181-07 MW-17A	240-243052-E-13	Plastic 500ml - with Nitric Acid	<2			
L602181-07 MW-17A	240-243052-F-13	Plastic 1 liter - unpreserved				
L602181-07 MW-17A	240-243052-G-13	Plastic 1 liter - Nitric Acid	<2			
L602181-07 MW-17A	240-243052-H-13	Plastic 1 liter - Nitric Acid	<2			
L602181-08 MW-17B	240-243052-A-14	Plastic 60 mL - unpreserved				
L602181-08 MW-17B	240-243052-B-14	Plastic 60 mL - unpreserved				
L602181-08 MW-17B	240-243052-C-14	Plastic 250ml - with Nitric Acid	<2			
L602181-08 MW-17B	240-243052-D-14	Plastic 500ml - unpreserved				
L602181-08 MW-17B	240-243052-E-14	Plastic 500ml - with Nitric Acid	<2			
L602181-08 MW-17B	240-243052-F-14	Plastic 1 liter - unpreserved				
L602181-08 MW-17B	240-243052-G-14	Plastic 1 liter - Nitric Acid	<2			
L602181-08 MW-17B	240-243052-H-14	Plastic 1 liter - Nitric Acid	<2			
L602181-09 MW-17C	240-243052-A-15	Plastic 60 mL - unpreserved				
L602181-09 MW-17C	240-243052-B-15	Plastic 60 mL - unpreserved				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602181-09 MW-17C	240-243052-C-15	Plastic 250ml - with Nitric Acid	<2			
L602181-09 MW-17C	240-243052-D-15	Plastic 500ml - unpreserved				
L602181-09 MW-17C	240-243052-E-15	Plastic 500ml - with Nitric Acid	<2			
L602181-09 MW-17C	240-243052-F-15	Plastic 1 liter - unpreserved				
L602181-09 MW-17C	240-243052-G-15	Plastic 1 liter - Nitric Acid	<2			
L602181-09 MW-17C	240-243052-H-15	Plastic 1 liter - Nitric Acid	<2			
L602181-10 MW-17D	240-243052-A-16	Plastic 60 mL - unpreserved				
L602181-10 MW-17D	240-243052-B-16	Plastic 60 mL - unpreserved				
L602181-10 MW-17D	240-243052-C-16	Plastic 250ml - with Nitric Acid	<2			
L602181-10 MW-17D	240-243052-D-16	Plastic 500ml - unpreserved				
L602181-10 MW-17D	240-243052-E-16	Plastic 500ml - with Nitric Acid	<2			
L602181-10 MW-17D	240-243052-F-16	Plastic 1 liter - unpreserved				
L602181-10 MW-17D	240-243052-G-16	Plastic 1 liter - Nitric Acid	<2			
L602181-10 MW-17D	240-243052-H-16	Plastic 1 liter - Nitric Acid	<2			
L602181-11 MW-17E	240-243052-A-17	Plastic 60 mL - unpreserved				
L602181-11 MW-17E	240-243052-B-17	Plastic 60 mL - unpreserved				
L602181-11 MW-17E	240-243052-C-17	Plastic 250ml - with Nitric Acid	<2			
L602181-11 MW-17E	240-243052-D-17	Plastic 500ml - unpreserved				
L602181-11 MW-17E	240-243052-E-17	Plastic 500ml - with Nitric Acid	<2			
L602181-11 MW-17E	240-243052-F-17	Plastic 1 liter - unpreserved				
L602181-11 MW-17E	240-243052-G-17	Plastic 1 liter - Nitric Acid	<2			
L602181-11 MW-17E	240-243052-H-17	Plastic 1 liter - Nitric Acid	<2			
L602181-12 MW-17A	240-243052-A-18	Plastic 60 mL - unpreserved				
L602181-12 MW-17A	240-243052-B-18	Plastic 60 mL - unpreserved				
L602181-12 MW-17A	240-243052-C-18	Plastic 250ml - with Nitric Acid	<2			
L602181-12 MW-17A	240-243052-D-18	Plastic 500ml - unpreserved				
L602181-12 MW-17A	240-243052-E-18	Plastic 500ml - with Nitric Acid	<2			
L602181-12 MW-17A	240-243052-F-18	Plastic 1 liter - unpreserved				
L602181-12 MW-17A	240-243052-G-18	Plastic 1 liter - Nitric Acid	<2			
L602181-12 MW-17A	240-243052-H-18	Plastic 1 liter - Nitric Acid	<2			
L602181-13 FIELD BLANK	240-243052-A 19	Plastic 60 mL - unpreserved				
L602181-13 FIELD BLANK	240-243052-B-19	Plastic 60 mL - unpreserved				
L602181-13 FIELD BLANK	240-243052-C-19	Plastic 250ml - with Nitric Acid	<2			
L602181-13 FIELD BLANK	240-243052-D-19	Plastic 500ml - unpreserved				
L602181-13 FIELD BLANK	240-243052-E-19	Plastic 500ml - with Nitric Acid	<2			
L602181-13 FIELD BLANK	240-243052-F-19	Plastic 1 liter - unpreserved				
L602181-13 FIELD BLANK	240-243052-G-19	Plastic 1 liter - Nitric Acid	<2			
L602181-13 FIELD BLANK	240-243052-H-19	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214292.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 240-243052-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 2/18/2026			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	904.0/PrecSep_0Standard Target List	Ra226_228GFPC_P	903.0/PrecSep_21Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
L602178-01 MW-16A (240-243052-1)	2/9/26	11:43 Eastern	G	Water			X	X	X	2	
L602178-02 MW-16B (240-243052-2)	2/9/26	13:15 Eastern	G	Water			X	X	X	2	
L602178-03 MW-16C (240-243052-3)	2/9/26	14:49 Eastern	G	Water			X	X	X	2	
L602178-04 MW-16D (240-243052-4)	2/9/26	11:28 Eastern	G	Water			X	X	X	2	
L602178-05 MWT-16B (240-243052-5)	2/9/26	13:15 Eastern	G	Water			X	X	X	2	
L602178-06 FIELD BLANK (240-243052-6)	2/9/26	08:30 Eastern	G	Water			X	X	X	2	
L602181-01 MW-2 (240-243052-7)	2/10/26	14:45 Eastern	G	Water			X	X	X	2	
L602181-02 MW-3 (240-243052-8)	2/10/26	12:20 Eastern	G	Water			X	X	X	2	
L602181-03 MW-6 (240-243052-9)	2/10/26	16:25 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
CHRIS ROAN	2/18/26 3:30	EC		0915 FEB 19 2026	
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214292.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 240-243052-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 2/18/2026			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	904.0/PrecSep_0Standard Target List	Ra226_228GFPC_P	903.0/PrecSep_21Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
L602181-04 MW-7C (240-243052-10)	2/10/26	17:27 Eastern	G	Water			X	X	X	2	
L602181-06 MW-12B (240-243052-12)	2/10/26	10:20 Eastern	G	Water			X	X	X	2	
L602181-07 MW-17A (240-243052-13)	2/10/26	09:36 Eastern	G	Water			X	X	X	2	
L602181-08 MW-17B (240-243052-14)	2/10/26	11:32 Eastern	G	Water			X	X	X	2	
L602181-09 MW-17C (240-243052-15)	2/10/26	12:52 Eastern	G	Water			X	X	X	2	
L602181-10 MW-17D (240-243052-16)	2/10/26	14:21 Eastern	G	Water			X	X	X	2	
L602181-11 MW-17E (240-243052-17)	2/10/26	15:42 Eastern	G	Water			X	X	X	2	
L602181-12 MW-17A (240-243052-18)	2/10/26	09:36 Eastern	G	Water			X	X	X	2	
L602181-13 FIELD BLANK (240-243052-19)	2/10/26	08:30 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
CHRIS ROAN	2/18/26 3:30	EC		0915 FEB 19 2026	
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214291.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-243052-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/18/2026			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Therm. ID: SC02 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 13.4 / 11.0 °C
Delivery: UPS / FedEx / Other
Ice Type: Blue / Dry / Wet / None B
Label Ver.: 2 Packing: _____

LS BM

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7_CWA/200.7_P_TOT(MOD) Iron & Zinc	200.8_CWA/200.8_P_TOT(MOD) Iron & Zinc	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRD(MOD) Iron & Zinc	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
L602178-01 MW-16A (240-243052-1)	2/9/26	11:43 Eastern	G	Water			X	X			1	
L602178-02 MW-16B (240-243052-2)	2/9/26	13:15 Eastern	G	Water			X	X			1	
L602178-03 MW-16C (240-243052-3)	2/9/26	14:49 Eastern	G	Water			X	X			1	
L602178-04 MW-16D (240-243052-4)	2/9/26	11:28 Eastern	G	Water			X	X			1	
L602178-05 MWT-16B (240-243052-5)	2/9/26	13:15 Eastern	G	Water			X	X			1	
L602178-06 FIELD BLANK (240-243052-6)	2/9/26	08:30 Eastern	G	Water			X	X			1	
L602181-01 MW-2 (240-243052-7)	2/10/26	14:45 Eastern	G	Water			X	X	X	X	2	
L602181-02 MW-3 (240-243052-8)	2/10/26	12:20 Eastern	G	Water			X	X			1	
L602181-03 MW-6 (240-243052-9)	2/10/26	16:25 Eastern	G	Water			X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification: Unconfirmed 4896 1532 7477	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: CHRIS ROAN	Date/Time: 2/18/26 1830	Company EC	Received by:	Date/Time: 2/19/26 0530	Company ESTN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Cleveland
180 S Van Buren Avenue
Barberton, OH 44203
Phone 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214291 2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-243052-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/18/2026			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7_CWA/200.7_P_TOT(MOD) Iron & Zinc	200.8_CWA/200.8_P_TOT(MOD) Iron & Zinc	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRD(MOD) Iron & Zinc	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
L602181-04 MW-7C (240-243052-10)	2/10/26	17 27 Eastern	G	Water			X	X			1	
L602181-06 MW-12B (240-243052-12)	2/10/26	10.20 Eastern	G	Water			X	X			1	
L602181-07 MW-17A (240-243052-13)	2/10/26	09:36 Eastern	G	Water			X	X			1	
L602181-08 MW-17B (240-243052-14)	2/10/26	11 32 Eastern	G	Water			X	X			1	
L602181-09 MW-17C (240-243052-15)	2/10/26	12 52 Eastern	G	Water			X	X			1	
L602181-10 MW-17D (240-243052-16)	2/10/26	14.21 Eastern	G	Water			X	X			1	
L602181-11 MW-17E (240-243052-17)	2/10/26	15 42 Eastern	G	Water			X	X			1	
L602181-12 MW-17A (240-243052-18)	2/10/26	09 36 Eastern	G	Water			X	X			1	
L602181-13 FIELD BLANK (240-243052-19)	2/10/26	08 30 Eastern	G	Water			X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification Unconfirmed	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
CHRIS ROAN	2/18/26 3:30	FC		2/19/26 9:30	ETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-243052-1

Login Number: 243052
List Number: 3
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 02/19/26 01:24 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

Generated 4/7/2026 3:43:56 PM Revision 1

JOB DESCRIPTION

Erickson Wellfield Project

JOB NUMBER

240-243052-2

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated
4/7/2026 3:43:56 PM
Revision 1

Authorized for release by
Kris Brooks, Manager of Project Management
Kris.Brooks@et.eurofinsus.com
Designee for
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

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Definitions/Glossary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-243052-2 — Eurofins Cleveland

Job Narrative
240-243052-2

REVISION

The report being provided is a revision of the original report sent on 3/18/2026. The report (revision 1) is being revised due to sample ID for sample L602181-12 MW-17A was corrected to L602181-12 MWT-17A.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/12/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 0.9°C, 1.9°C, 2.9°C, 3.4°C, 3.8°C, 4.1°C, 4.1°C and 4.1°C.

Gas Flow Proportional Counter
Method 904.0: Radium 228 Batch 758162

The MDC for the following sample(s) is flagged as failing; The laboratory considers the detection goal (requested limit) met when rounding to the appropriate place value. L602181-08 MW-17B (240-243052-14) and L602181-10 MW-17D (240-243052-16)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-243052-1	L602178-01 MW-16A	Water	02/09/26 11:43	02/12/26 08:00	Michigan
240-243052-2	L602178-02 MW-16B	Water	02/09/26 13:15	02/12/26 08:00	Michigan
240-243052-3	L602178-03 MW-16C	Water	02/09/26 14:49	02/12/26 08:00	Michigan
240-243052-4	L602178-04 MW-16D	Water	02/09/26 11:28	02/12/26 08:00	Michigan
240-243052-5	L602178-05 MWT-16B	Water	02/09/26 13:15	02/12/26 08:00	Michigan
240-243052-6	L602178-06 FIELD BLANK	Water	02/09/26 08:30	02/12/26 08:00	Michigan
240-243052-7	L602181-01 MW-2	Water	02/10/26 14:45	02/12/26 08:00	Michigan
240-243052-8	L602181-02 MW-3	Water	02/10/26 12:20	02/12/26 08:00	Michigan
240-243052-9	L602181-03 MW-6	Water	02/10/26 16:25	02/12/26 08:00	Michigan
240-243052-10	L602181-04 MW-7C	Water	02/10/26 17:27	02/12/26 08:00	Michigan
240-243052-12	L602181-06 MW-12B	Water	02/10/26 10:20	02/12/26 08:00	Michigan
240-243052-13	L602181-07 MW-17A	Water	02/10/26 09:36	02/12/26 08:00	Michigan
240-243052-14	L602181-08 MW-17B	Water	02/10/26 11:32	02/12/26 08:00	Michigan
240-243052-15	L602181-09 MW-17C	Water	02/10/26 12:52	02/12/26 08:00	Michigan
240-243052-16	L602181-10 MW-17D	Water	02/10/26 14:21	02/12/26 08:00	Michigan
240-243052-17	L602181-11 MW-17E	Water	02/10/26 15:42	02/12/26 08:00	Michigan
240-243052-18	L602181-12 MWT-17A	Water	02/10/26 09:36	02/12/26 08:00	Michigan
240-243052-19	L602181-13 FIELD BLANK	Water	02/10/26 08:30	02/12/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Client Sample ID: L602178-01 MW-16A — **Lab Sample ID: 240-243052-1**

No Detections.

Client Sample ID: L602178-02 MW-16B — **Lab Sample ID: 240-243052-2**

No Detections.

Client Sample ID: L602178-03 MW-16C — **Lab Sample ID: 240-243052-3**

No Detections.

Client Sample ID: L602178-04 MW-16D — **Lab Sample ID: 240-243052-4**

No Detections.

Client Sample ID: L602178-05 MWT-16B — **Lab Sample ID: 240-243052-5**

No Detections.

Client Sample ID: L602178-06 FIELD BLANK — **Lab Sample ID: 240-243052-6**

No Detections.

Client Sample ID: L602181-01 MW-2 — **Lab Sample ID: 240-243052-7**

No Detections.

Client Sample ID: L602181-02 MW-3 — **Lab Sample ID: 240-243052-8**

No Detections.

Client Sample ID: L602181-03 MW-6 — **Lab Sample ID: 240-243052-9**

No Detections.

Client Sample ID: L602181-04 MW-7C — **Lab Sample ID: 240-243052-10**

No Detections.

Client Sample ID: L602181-06 MW-12B — **Lab Sample ID: 240-243052-12**

No Detections.

Client Sample ID: L602181-07 MW-17A — **Lab Sample ID: 240-243052-13**

No Detections.

Client Sample ID: L602181-08 MW-17B — **Lab Sample ID: 240-243052-14**

No Detections.

Client Sample ID: L602181-09 MW-17C — **Lab Sample ID: 240-243052-15**

No Detections.

Client Sample ID: L602181-10 MW-17D — **Lab Sample ID: 240-243052-16**

No Detections.

Client Sample ID: L602181-11 MW-17E — **Lab Sample ID: 240-243052-17**

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Client Sample ID: L602181-12 MWT-17A — Lab Sample ID: 240-243052-18

No Detections.

Client Sample ID: L602181-13 FIELD BLANK — Lab Sample ID: 240-243052-19

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602178-01 MW-16A

Date Collected: 02/09/26 11:43
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-1

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0704	U	0.0698	0.0701	1.00	0.109	pCi/L	02/20/26 08:51	03/16/26 21:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.6*		*30 - 110*	*02/20/26 08:51*	*03/16/26 21:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.200	U	0.478	0.478	1.00	0.831	pCi/L	02/20/26 08:55	03/09/26 13:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.6*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:32*	*1*
Y Carrier	*82.2*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:32*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.271	U	0.483	0.483	5.00	0.831	pCi/L		03/18/26 14:41	1

Client Sample ID: L602178-02 MW-16B

Date Collected: 02/09/26 13:15
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-2

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.463**		0.149	0.155	1.00	0.154	pCi/L	02/20/26 08:51	03/17/26 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.9*		*30 - 110*	*02/20/26 08:51*	*03/17/26 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0169	U	0.430	0.430	1.00	0.796	pCi/L	02/20/26 08:55	03/09/26 13:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.9*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:33*	*1*
Y Carrier	*85.2*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:33*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.463	U	0.455	0.457	5.00	0.796	pCi/L		03/18/26 14:41	1

Client Sample ID: L602178-03 MW-16C

Date Collected: 02/09/26 14:49
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-3

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.324**		0.119	0.122	1.00	0.118	pCi/L	02/20/26 08:51	03/17/26 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.6*		*30 - 110*	*02/20/26 08:51*	*03/17/26 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.114	U	0.375	0.375	1.00	0.727	pCi/L	02/20/26 08:55	03/09/26 13:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.6*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:33*	*1*
Y Carrier	*86.0*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:33*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.324	U	0.393	0.394	5.00	0.727	pCi/L		03/18/26 14:41	1

Client Sample ID: L602178-04 MW-16D

Date Collected: 02/09/26 11:28
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-4

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.128**		0.0815	0.0824	1.00	0.109	pCi/L	02/20/26 08:51	03/17/26 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*02/20/26 08:51*	*03/17/26 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.451	U	0.426	0.428	1.00	0.682	pCi/L	02/20/26 08:55	03/09/26 13:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:32*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:32*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.579	U	0.434	0.436	5.00	0.682	pCi/L		03/18/26 14:41	1

Client Sample ID: L602178-05 MWT-16B

Date Collected: 02/09/26 13:15
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-5

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.721**		0.179	0.190	1.00	0.155	pCi/L	02/20/26 08:51	03/17/26 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.1*		*30 - 110*	*02/20/26 08:51*	*03/17/26 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.483	U	0.483	0.485	1.00	0.780	pCi/L	02/20/26 08:55	03/09/26 13:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.1*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:32*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:32*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.20**		0.515	0.521	5.00	0.780	pCi/L		03/18/26 14:41	1

Client Sample ID: L602178-06 FIELD BLANK

Lab Sample ID: 240-243052-6

Date Collected: 02/09/26 08:30

Matrix: Water

Date Received: 02/12/26 08:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0197	U	0.0590	0.0591	1.00	0.111	pCi/L	02/20/26 08:51	03/17/26 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*02/20/26 08:51*	*03/17/26 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0465	U	0.441	0.441	1.00	0.811	pCi/L	02/20/26 08:55	03/09/26 13:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:32*	*1*
Y Carrier	*85.2*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:32*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0197	U	0.445	0.445	5.00	0.811	pCi/L		03/18/26 14:41	1

Client Sample ID: L602181-01 MW-2

Date Collected: 02/10/26 14:45
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-7

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0979	U	0.107	0.108	1.00	0.173	pCi/L	02/20/26 08:51	03/17/26 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*68.4*		*30 - 110*	*02/20/26 08:51*	*03/17/26 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.746	U	0.611	0.615	1.00	0.957	pCi/L	02/20/26 08:55	03/09/26 13:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*68.4*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:32*	*1*
Y Carrier	*80.0*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:32*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.843	U	0.620	0.624	5.00	0.957	pCi/L		03/18/26 14:41	1

Client Sample ID: L602181-02 MW-3

Date Collected: 02/10/26 12:20
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-8

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00715	U	0.0591	0.0591	1.00	0.120	pCi/L	02/20/26 08:51	03/17/26 10:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.9*		*30 - 110*	*02/20/26 08:51*	*03/17/26 10:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.565	U	0.542	0.544	1.00	0.869	pCi/L	02/20/26 08:55	03/09/26 13:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.9*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:32*	*1*
Y Carrier	*78.1*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:32*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.572	U	0.545	0.547	5.00	0.869	pCi/L		03/18/26 14:41	1

Client Sample ID: L602181-03 MW-6

Date Collected: 02/10/26 16:25
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-9

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.133	U	0.107	0.107	1.00	0.160	pCi/L	02/20/26 08:51	03/17/26 12:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.2*		*30 - 110*	*02/20/26 08:51*	*03/17/26 12:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.438	U	0.576	0.577	1.00	0.960	pCi/L	02/20/26 08:55	03/09/26 13:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.2*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:33*	*1*
Y Carrier	*78.1*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:33*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.571	U	0.586	0.587	5.00	0.960	pCi/L		03/18/26 14:41	1

Client Sample ID: L602181-04 MW-7C

Date Collected: 02/10/26 17:27
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-10

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.241**		0.127	0.129	1.00	0.166	pCi/L	02/20/26 08:51	03/17/26 12:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.6*		*30 - 110*	*02/20/26 08:51*	*03/17/26 12:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.396	U	0.495	0.496	1.00	0.821	pCi/L	02/20/26 08:55	03/09/26 13:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.6*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:33*	*1*
Y Carrier	*78.1*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:33*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.637	U	0.511	0.513	5.00	0.821	pCi/L		03/18/26 14:41	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Client Sample ID: L602181-06 MW-12B

Date Collected: 02/10/26 10:20
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-12

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.348**		0.131	0.135	1.00	0.136	pCi/L	02/20/26 08:51	03/17/26 12:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*69.5*		*30 - 110*	*02/20/26 08:51*	*03/17/26 12:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.668	U	0.596	0.599	1.00	0.946	pCi/L	02/20/26 08:55	03/09/26 13:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*69.5*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:33*	*1*
Y Carrier	*77.0*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:33*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.02**		0.610	0.614	5.00	0.946	pCi/L		03/18/26 14:41	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Client Sample ID: L602181-07 MW-17A

Date Collected: 02/10/26 09:36
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-13

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.233		0.123	0.125	1.00	0.159	pCi/L	02/20/26 08:51	03/17/26 12:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.5*		*30 - 110*	*02/20/26 08:51*	*03/17/26 12:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.200	U	0.509	0.510	1.00	0.890	pCi/L	02/20/26 08:55	03/09/26 13:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.5*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:33*	*1*
Y Carrier	*80.7*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:33*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.433	U	0.524	0.525	5.00	0.890	pCi/L		03/18/26 14:41	1

Client Sample ID: L602181-08 MW-17B

Lab Sample ID: 240-243052-14

Date Collected: 02/10/26 11:32

Matrix: Water

Date Received: 02/12/26 08:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112	U	0.0929	0.0934	1.00	0.137	pCi/L	02/20/26 08:51	03/17/26 12:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*68.7*		*30 - 110*	*02/20/26 08:51*	*03/17/26 12:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.402	U G	0.602	0.603	1.00	1.02	pCi/L	02/20/26 08:55	03/09/26 13:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*68.7*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:37*	*1*
Y Carrier	*78.1*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:37*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.514	U	0.609	0.610	5.00	1.02	pCi/L		03/18/26 14:41	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Client Sample ID: L602181-09 MW-17C

Date Collected: 02/10/26 12:52
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-15

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.358**		0.125	0.129	1.00	0.118	pCi/L	02/20/26 08:51	03/17/26 12:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.8*		*30 - 110*	*02/20/26 08:51*	*03/17/26 12:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.541	U	0.512	0.514	1.00	0.819	pCi/L	02/20/26 08:55	03/09/26 13:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.8*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:35*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.899**		0.527	0.530	5.00	0.819	pCi/L		03/18/26 14:41	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Client Sample ID: L602181-10 MW-17D

Date Collected: 02/10/26 14:21
Date Received: 02/12/26 08:00

Lab Sample ID: 240-243052-16

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.428		0.149	0.154	1.00	0.154	pCi/L	02/20/26 08:51	03/17/26 12:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*68.7*		*30 - 110*	*02/20/26 08:51*	*03/17/26 12:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0730	U G	0.572	0.572	1.00	1.03	pCi/L	02/20/26 08:55	03/09/26 13:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*68.7*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:35*	*1*
Y Carrier	*76.3*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.501	U	0.591	0.592	5.00	1.03	pCi/L		03/18/26 14:41	1

Client Sample ID: L602181-11 MW-17E

Lab Sample ID: 240-243052-17

Date Collected: 02/10/26 15:42

Matrix: Water

Date Received: 02/12/26 08:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.177		0.104	0.106	1.00	0.137	pCi/L	02/20/26 08:51	03/17/26 15:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.1*		*30 - 110*	*02/20/26 08:51*	*03/17/26 15:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.473	U	0.554	0.555	1.00	0.912	pCi/L	02/20/26 08:55	03/09/26 13:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.1*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:35*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.650	U	0.564	0.565	5.00	0.912	pCi/L		03/18/26 14:41	1

Client Sample ID: L602181-12 MWT-17A

Lab Sample ID: 240-243052-18

Date Collected: 02/10/26 09:36

Matrix: Water

Date Received: 02/12/26 08:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0993	U	0.0848	0.0852	1.00	0.128	pCi/L	02/20/26 08:51	03/17/26 15:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*02/20/26 08:51*	*03/17/26 15:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.398	U	0.439	0.440	1.00	0.716	pCi/L	02/20/26 08:55	03/09/26 13:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:37*	*1*
Y Carrier	*79.6*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:37*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.497	U	0.447	0.448	5.00	0.716	pCi/L		03/18/26 14:41	1

Client Sample ID: L602181-13 FIELD BLANK

Lab Sample ID: 240-243052-19

Date Collected: 02/10/26 08:30

Matrix: Water

Date Received: 02/12/26 08:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0355	U	0.0846	0.0847	1.00	0.153	pCi/L	02/20/26 08:51	03/17/26 15:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.6*		*30 - 110*	*02/20/26 08:51*	*03/17/26 15:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.602	U	0.599	0.602	1.00	0.969	pCi/L	02/20/26 08:55	03/09/26 13:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.6*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:37*	*1*
Y Carrier	*79.6*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:37*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.637	U	0.605	0.608	5.00	0.969	pCi/L		03/18/26 14:41	1

Tracer/Carrier Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
240-243052-1	L602178-01 MW-16A	80.6
240-243052-1 DU	L602178-01 MW-16A	92.9
240-243052-2	L602178-02 MW-16B	78.9
240-243052-3	L602178-03 MW-16C	80.6
240-243052-4	L602178-04 MW-16D	90.6
240-243052-5	L602178-05 MWT-16B	82.1
240-243052-6	L602178-06 FIELD BLANK	88.3
240-243052-7	L602181-01 MW-2	68.4
240-243052-8	L602181-02 MW-3	74.9
240-243052-9	L602181-03 MW-6	75.2
240-243052-10	L602181-04 MW-7C	74.6
240-243052-12	L602181-06 MW-12B	69.5
240-243052-13	L602181-07 MW-17A	75.5
240-243052-14	L602181-08 MW-17B	68.7
240-243052-15	L602181-09 MW-17C	75.8
240-243052-16	L602181-10 MW-17D	68.7
240-243052-17	L602181-11 MW-17E	74.1
240-243052-18	L602181-12 MWT-17A	85.8
240-243052-19	L602181-13 FIELD BLANK	76.6
LCS 160-758160/2-A	Lab Control Sample	73.5
MB 160-758160/1-A	Method Blank	90.9

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
240-243052-1	L602178-01 MW-16A	80.6	82.2
240-243052-1 DU	L602178-01 MW-16A	92.9	83.7
240-243052-2	L602178-02 MW-16B	78.9	85.2
240-243052-3	L602178-03 MW-16C	80.6	86.0
240-243052-4	L602178-04 MW-16D	90.6	83.7
240-243052-5	L602178-05 MWT-16B	82.1	83.7
240-243052-6	L602178-06 FIELD BLANK	88.3	85.2
240-243052-7	L602181-01 MW-2	68.4	80.0
240-243052-8	L602181-02 MW-3	74.9	78.1
240-243052-9	L602181-03 MW-6	75.2	78.1
240-243052-10	L602181-04 MW-7C	74.6	78.1
240-243052-12	L602181-06 MW-12B	69.5	77.0
240-243052-13	L602181-07 MW-17A	75.5	80.7
240-243052-14	L602181-08 MW-17B	68.7	78.1
240-243052-15	L602181-09 MW-17C	75.8	78.9
240-243052-16	L602181-10 MW-17D	68.7	76.3
240-243052-17	L602181-11 MW-17E	74.1	78.9
240-243052-18	L602181-12 MWT-17A	85.8	79.6
240-243052-19	L602181-13 FIELD BLANK	76.6	79.6

Tracer/Carrier Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)									
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)								
LCS 160-758162/2-A	Lab Control Sample	73.5	83.7								
MB 160-758162/1-A	Method Blank	90.9	84.1								

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-758160/1-A
Matrix: Water
Analysis Batch: 761608

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758160

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01058	U	0.0282	0.0282	1.00	0.0738	pCi/L	02/20/26 08:51	03/16/26 21:33	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*02/20/26 08:51*	*03/16/26 21:33*	*1*

Lab Sample ID: LCS 160-758160/2-A
Matrix: Water
Analysis Batch: 761608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758160

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	8.227		0.900	1.00	0.0750	pCi/L	86	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*73.5*		*30 - 110*

Lab Sample ID: 240-243052-1 DU
Matrix: Water
Analysis Batch: 761608

Client Sample ID: L602178-01 MW-16A
Prep Type: Total/NA
Prep Batch: 758160

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0704	U		0.1510		0.0708	1.00	0.0687	pCi/L			0.57	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*92.9*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-758162/1-A
Matrix: Water
Analysis Batch: 760387

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758162

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5084	U	0.448	0.450	1.00	0.712	pCi/L	02/20/26 08:55	03/09/26 13:28	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:28*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/20/26 08:55*	*03/09/26 13:28*	*1*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-758162/2-A
Matrix: Water
Analysis Batch: 760387

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758162

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.35	8.942		1.42	1.00	0.858	pCi/L	96	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*73.5*		*30 - 110*
Y Carrier	*83.7*		*30 - 110*

Lab Sample ID: 240-243052-1 DU
Matrix: Water
Analysis Batch: 760387

Client Sample ID: L602178-01 MW-16A
Prep Type: Total/NA
Prep Batch: 758162

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.200	U		0.9199		0.491	1.00	0.698	pCi/L			0.74	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*92.9*		*30 - 110*
Y Carrier	*83.7*		*30 - 110*

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Prep Batch: 758160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total/NA	Water	PrecSep-21	
240-243052-2	L602178-02 MW-16B	Total/NA	Water	PrecSep-21	
240-243052-3	L602178-03 MW-16C	Total/NA	Water	PrecSep-21	
240-243052-4	L602178-04 MW-16D	Total/NA	Water	PrecSep-21	
240-243052-5	L602178-05 MWT-16B	Total/NA	Water	PrecSep-21	
240-243052-6	L602178-06 FIELD BLANK	Total/NA	Water	PrecSep-21	
240-243052-7	L602181-01 MW-2	Total/NA	Water	PrecSep-21	
240-243052-8	L602181-02 MW-3	Total/NA	Water	PrecSep-21	
240-243052-9	L602181-03 MW-6	Total/NA	Water	PrecSep-21	
240-243052-10	L602181-04 MW-7C	Total/NA	Water	PrecSep-21	
240-243052-12	L602181-06 MW-12B	Total/NA	Water	PrecSep-21	
240-243052-13	L602181-07 MW-17A	Total/NA	Water	PrecSep-21	
240-243052-14	L602181-08 MW-17B	Total/NA	Water	PrecSep-21	
240-243052-15	L602181-09 MW-17C	Total/NA	Water	PrecSep-21	
240-243052-16	L602181-10 MW-17D	Total/NA	Water	PrecSep-21	
240-243052-17	L602181-11 MW-17E	Total/NA	Water	PrecSep-21	
240-243052-18	L602181-12 MWT-17A	Total/NA	Water	PrecSep-21	
240-243052-19	L602181-13 FIELD BLANK	Total/NA	Water	PrecSep-21	
MB 160-758160/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-758160/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
240-243052-1 DU	L602178-01 MW-16A	Total/NA	Water	PrecSep-21	

Prep Batch: 758162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243052-1	L602178-01 MW-16A	Total/NA	Water	PrecSep_0	
240-243052-2	L602178-02 MW-16B	Total/NA	Water	PrecSep_0	
240-243052-3	L602178-03 MW-16C	Total/NA	Water	PrecSep_0	
240-243052-4	L602178-04 MW-16D	Total/NA	Water	PrecSep_0	
240-243052-5	L602178-05 MWT-16B	Total/NA	Water	PrecSep_0	
240-243052-6	L602178-06 FIELD BLANK	Total/NA	Water	PrecSep_0	
240-243052-7	L602181-01 MW-2	Total/NA	Water	PrecSep_0	
240-243052-8	L602181-02 MW-3	Total/NA	Water	PrecSep_0	
240-243052-9	L602181-03 MW-6	Total/NA	Water	PrecSep_0	
240-243052-10	L602181-04 MW-7C	Total/NA	Water	PrecSep_0	
240-243052-12	L602181-06 MW-12B	Total/NA	Water	PrecSep_0	
240-243052-13	L602181-07 MW-17A	Total/NA	Water	PrecSep_0	
240-243052-14	L602181-08 MW-17B	Total/NA	Water	PrecSep_0	
240-243052-15	L602181-09 MW-17C	Total/NA	Water	PrecSep_0	
240-243052-16	L602181-10 MW-17D	Total/NA	Water	PrecSep_0	
240-243052-17	L602181-11 MW-17E	Total/NA	Water	PrecSep_0	
240-243052-18	L602181-12 MWT-17A	Total/NA	Water	PrecSep_0	
240-243052-19	L602181-13 FIELD BLANK	Total/NA	Water	PrecSep_0	
MB 160-758162/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-758162/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
240-243052-1 DU	L602178-01 MW-16A	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Client Sample ID: L602178-01 MW-16A

Lab Sample ID: 240-243052-1

Date Collected: 02/09/26 11:43
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761608	SWS	EET SL	03/16/26 21:33
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760387	SWS	EET SL	03/09/26 13:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Client Sample ID: L602178-02 MW-16B

Lab Sample ID: 240-243052-2

Date Collected: 02/09/26 13:15
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 10:06
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760387	SWS	EET SL	03/09/26 13:33
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Client Sample ID: L602178-03 MW-16C

Lab Sample ID: 240-243052-3

Date Collected: 02/09/26 14:49
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 10:06
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760387	SWS	EET SL	03/09/26 13:33
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Client Sample ID: L602178-04 MW-16D

Lab Sample ID: 240-243052-4

Date Collected: 02/09/26 11:28
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 10:06
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760387	SWS	EET SL	03/09/26 13:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Client Sample ID: L602178-05 MWT-16B

Lab Sample ID: 240-243052-5
Matrix: Water
Date Collected: 02/09/26 13:15
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 10:06
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760387	SWS	EET SL	03/09/26 13:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Client Sample ID: L602178-06 FIELD BLANK

Lab Sample ID: 240-243052-6
Matrix: Water
Date Collected: 02/09/26 08:30
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 10:06
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760387	SWS	EET SL	03/09/26 13:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Client Sample ID: L602181-01 MW-2

Lab Sample ID: 240-243052-7
Matrix: Water
Date Collected: 02/10/26 14:45
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 10:06
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760387	SWS	EET SL	03/09/26 13:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Client Sample ID: L602181-02 MW-3

Lab Sample ID: 240-243052-8
Matrix: Water
Date Collected: 02/10/26 12:20
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 10:06
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760387	SWS	EET SL	03/09/26 13:32
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Client Sample ID: L602181-03 MW-6

Lab Sample ID: 240-243052-9

Date Collected: 02/10/26 16:25
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 12:36
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760387	SWS	EET SL	03/09/26 13:33
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Client Sample ID: L602181-04 MW-7C

Lab Sample ID: 240-243052-10

Date Collected: 02/10/26 17:27
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 12:36
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760387	SWS	EET SL	03/09/26 13:33
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Client Sample ID: L602181-06 MW-12B

Lab Sample ID: 240-243052-12

Date Collected: 02/10/26 10:20
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 12:36
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760387	SWS	EET SL	03/09/26 13:33
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Client Sample ID: L602181-07 MW-17A

Lab Sample ID: 240-243052-13

Date Collected: 02/10/26 09:36
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 12:36
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760387	SWS	EET SL	03/09/26 13:33
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Client Sample ID: L602181-08 MW-17B

Lab Sample ID: 240-243052-14
Matrix: Water
Date Collected: 02/10/26 11:32
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 12:37
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760352	SWS	EET SL	03/09/26 13:37
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Client Sample ID: L602181-09 MW-17C

Lab Sample ID: 240-243052-15
Matrix: Water
Date Collected: 02/10/26 12:52
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 12:37
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760352	SWS	EET SL	03/09/26 13:35
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Client Sample ID: L602181-10 MW-17D

Lab Sample ID: 240-243052-16
Matrix: Water
Date Collected: 02/10/26 14:21
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 12:37
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760352	SWS	EET SL	03/09/26 13:35
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Client Sample ID: L602181-11 MW-17E

Lab Sample ID: 240-243052-17
Matrix: Water
Date Collected: 02/10/26 15:42
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 15:51
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760352	SWS	EET SL	03/09/26 13:35
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243052-2

Client Sample ID: L602181-12 MWT-17A

Lab Sample ID: 240-243052-18

Date Collected: 02/10/26 09:36
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 15:51
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760352	SWS	EET SL	03/09/26 13:37
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Client Sample ID: L602181-13 FIELD BLANK

Lab Sample ID: 240-243052-19

Date Collected: 02/10/26 08:30
Matrix: Water
Date Received: 02/12/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758160	AMS	EET SL	02/20/26 08:51
Total/NA	Analysis	903.0		1	761738	SWS	EET SL	03/17/26 15:51
Total/NA	Prep	PrecSep_0			758162	AMS	EET SL	02/20/26 08:55
Total/NA	Analysis	904.0		1	760352	SWS	EET SL	03/09/26 13:37
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/18/26 14:41

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Job ID: 240-243052-2
Project/Site: Erickson Wellfield Project

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-26
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
Georgia (DW)	State	C061	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-26
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-26
Kentucky (DW)	State	KY90125	12-31-26
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-26
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-26
Maine	State	MO00054	03-05-28
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Hampshire	NELAP	2100	02-04-27
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	04-01-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-26
Oklahoma	NELAP	9997	12-31-26
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-27
Rhode Island	State	LAO00392	12-30-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Vermont	State	VT 87689	03-20-27
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	10-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain of Custody

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Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info	Project Info	
Name: Jennifer Caporale	**Company:** Lansing Board of Water & Light	**Project Manager:** Howell, Leslie
Address : 1110 South Pennsylvania	**Purchase Order:** Contract number 4600002189	**Project Reference:**
Address 2:	**Work Order:**	**Sampler:** Marc Wahrer and Franklin Davis Ray
City, State Zip: Lansing, Michigan 48901	**Requested TAT:**	**Description:** Erickson Wellfield Project
Phone: 517-702-6482	**Project Number:** 24034575	**Site Name:** Erickson Projects
Email: Jennifer.Caporale@LBWL.com	**Sample State:** MI	
Deliverables:	**Special Instructions:** Dissolved metals filtered in field.	

See following pages for Method and Container information.

Bottles only in first sample (250 split → add bottle & copy

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long
1	L602178-01 MW-16A	Grab	Water	02/09/26 11:43			
2	L602178-02 MW-16B	Grab	Water	02/09/26 13:15			
3	L602178-03 MW-16C	Grab	Water	02/09/26 14:49			
4	L602178-04 MW-16D	Grab	Water	02/09/26 11:28			
5	L602178-05 MWT-16B	Grab	Water	02/09/26 13:15			
6	L602178-06 Field Blank	Grab	Water	02/09/26 08:30			
7	L602181-01 MW-2	Grab	Water	02/10/26 14:45			
8	L602181-02 MW-3	Grab	Water	02/10/26 12:20			
9	L602181-03 MW-6	Grab	Water	02/10/26 16:25			
10	L602181-04 MW-7C	Grab	Water	02/10/26 17:27			
11	L602181-05 MW-12	Grab	Water	02/10/26 17:00			
12	L602181-06 MW-12B	Grab	Water	02/10/26 10:20			

240-243052 Chain of Custody

Chain of Custody Number: **459831**

*H – Analysis on hold.

Chain of Custody

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Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
Dissolved metals filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Wellfield Project

Site Name:
Erickson Projects

See following pages for Method and Container information.

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long
13	L602181-07 MW-17A	Grab	Water	02/10/26 09:36			
14	L602181-08 MW-17B	Grab	Water	02/10/26 11:32			
15	L602181-09 MW-17C	Grab	Water	02/10/26 12:52			
16	L602181-10 MW-17D	Grab	Water	02/10/26 14:21			
17	L602181-11 MW-17E	Grab	Water	02/10/26 15:42			
18	L602181-12 MWT-17A	Grab	Water	02/10/26 09:36			
19	L602181-13 Field Blank	Grab	Water	02/10/26 08:30			

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished To:	Date/Time:		
Jennifer Caporale	02/11/26 09:42	Michigan - Waypoint courier Jennifer Caporale	02/11/26 09:42	JCollins	2/12/26 800

Chain of Custody Number: **459831**

Coolers								
Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260211A001								
MIC20260211A001								
MIC20260211A001								
MIC20260211A001								
MIC20260211A001								

Chain of Custody Methods

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Samples		Methods																				
#	Sample Name	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calcula	200.7 Rev 4.4 / Metals (ICP) / Dissolved Na & K	2320B Bicarbonate & Carbonate Alkalinity [ANY]	Ra226_228GFPC_P Combined Ra226&228 [160]	245.1-1994 R3.0 / Mercury (CVAA) / Mercury	200.8/200.8_P_TR Project List (18) [C01]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	200 7_CWA/200.7_P_TOT Potassium & Sodium [M02]	2540C_Calcd Total Dissolved Solids [TDS]	2540D Solids, Total Suspended (TSS) [TSS]	904.0/PrecSep_0 Ra-228 [STD]	903.0/PrecSep_21 Ra-226 [STD]	200.8-1994 R5.4 / Metals (ICP/MS) / Project List (19)	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	245.1/245.1_Prep Mercury [MER]	200.8 / Metals (ICP/MS) / Custom List 2: 2-3 Metals					
1	L602178-01 MW-16A	X		X	X		X	X	X	X	X	X	X		X	X						
2	L602178-02 MW-16B	X		X	X		X	X	X	X	X	X	X		X	X						
3	L602178-03 MW-16C	X		X	X		X	X	X	X	X	X	X		X	X						
4	L602178-04 MW-16D	X		X	X		X	X	X	X	X	X	X		X	X						
5	L602178-05 MWT 16B	X		X	X		X	X	X	X	X	X	X		X	X						
6	L602178-06 Field Blank	X		X	X		X	X	X	X	X	X	X		X	X						
7	L602181-01 MW-2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
8	L602181-02 MW-3	X		X	X		X	X	X	X	X	X	X		X	X						
9	L602181-03 MW-6	X		X	X		X	X	X	X	X	X	X		X	X						
10	L602181-04 MW-7C	X		X	X		X	X	X	X	X	X	X		X	X						
11	L602181-05 MW-12							X		X	X											
12	L602181-06 MW-12B	X		X	X		X	X	X	X	X	X	X		X	X						
13	L602181-07 MW-17A	X		X	X		X	X	X	X	X	X	X		X	X						
14	L602181-08 MW-17B	X		X	X		X	X	X	X	X	X	X		X	X						
15	L602181-09 MW-17C	X		X	X		X	X	X	X	X	X	X		X	X						
16	L602181-10 MW-17D	X		X	X		X	X	X	X	X	X	X		X	X						

Chain of Custody Number: **459831**

Chain of Custody Methods

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Samples		Methods																			
#	Sample Name	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calcula	200 7 Rev 4.4 / Metals (ICP) / Dissolved Na & K	2320B Bicarbonate & Carbonate Alkalinity [ANY]	Ra226_228GFPC_P Combined Ra226&228 [160]	245.1 1994 R3.0 / Mercury (CVAA) / Mercury	200.8/200.8_P_TR Project List (18) [C01]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	2540C_Calcd Total Dissolved Solids [TDS]	2540D Solids Total Suspended (TSS) [TSS]	904.0/PrecSep_0 Ra-228 [STD]	903.0/PrecSep_21 Ra-226 [STD]	200.8-1994 R5.4 / Metals (ICP/MS) / Project List (19)	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	245 1/245.1_Prep Mercury [MER]	200.8 / Metals (ICP/MS) / Custom List 2 2-3 Metals					
17	L602181-11 MW-17E	X		X	X		X	X	X	X	X	X	X		X	X						
18	L602181-12 MWT-17A	X		X	X		X	X	X	X	X	X	X		X	X						
19	L602181 13 Field Blank	X		X	X		X	X	X	X	X	X	X		X	X						

Chain of Custody Bottles

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Bottle Name	Total Bottles
Plastic 60 mL - unpreserved	38
Plastic 250ml - with Nitric Acid	18
Plastic 1 liter - unpreserved	19
Plastic 500ml - w/ Nitric - Dis.	1
Plastic 1 liter - Nitric Acid	36
Plastic 500ml - unpreserved	19
Plastic 500ml with Nitric Acid	18

Samples		Bottles																					
#	Sample Name	Total Bottles For Sample	Plastic 60 mL unpreserved	Plastic 250ml with Nitric Acid	Plastic 1 liter - unpreserved	Plastic 500ml - w/ Nitric - Dis.	Plastic 1 liter Nitric Acid	Plastic 500ml - unpreserved	Plastic 500ml - with Nitric Acid														
1	L602178-01 MW-16A	8	2	1	1		2	1	1														
2	L602178-02 MW-16B	8	2	1	1		2	1	1														
3	L602178-03 MW-16C	8	2	1	1		2	1	1														
4	L602178-04 MW-16D	8	2	1	1		2	1	1														
5	L602178-05 MWT-16B	8	2	1	1		2	1	1														
6	L602178-06 Field Blank	8	2	1	1		2	1	1														
7	L602181-01 MW-2	9	2	1	1	1	2	1	1														
8	L602181-02 MW-3	8	2	1	1		2	1	1														
9	L602181-03 MW-6	8	2	1	1		2	1	1														
10	L602181-04 MW-7C	8	2	1	1		2	1	1														
11	L602181-05 MW-12	4	2		1			1															
12	L602181-06 MW-12B	8	2	1	1		2	1	1														
13	L602181-07 MW-17A	8	2	1	1		2	1	1														
14	L602181-08 MW-17B	8	2	1	1		2	1	1														
15	L602181-09 MW-17C	8	2	1	1		2	1	1														
16	L602181-10 MW-17D	8	2	1	1		2	1	1														

Chain of Custody Bottles

eurofins | Environment Testing

Bottle Name	Total Bottles
Plastic 60 mL - unpreserved	38
Plastic 250ml - with Nitric Acid	18
Plastic 1 liter - unpreserved	19
Plastic 500ml - w/ Nitric - Dis.	1
Plastic 1 liter Nitric Acid	36
Plastic 500ml - unpreserved	19
Plastic 500ml - with Nitric Acid	18

Samples	
#	Sample Name
17	L602181 11 MW-17E
18	L602181-12 MWT-17A
19	L602181-13 Field Blank

	Bottles																				
Total Bottles For Sample	Plastic 60 mL - unpreserved	Plastic 250ml with Nitric Acid	Plastic 1 liter unpreserved	Plastic 500ml w/ Nitric Dis.	Plastic 1 liter Nitric Acid	Plastic 500ml unpreserved	Plastic 500ml with Nitric Acid														
8	2	1	1		2	1	1														
8	2	1	1		2	1	1														
8	2	1	1		2	1	1														

Eurofins – Cleveland Sample Receipt Form/Narrative Login # : 243052
Barberton Facility

Client Lansing Board of Water & Light Site Name
Cooler Received on 2-12-26 Opened on 2-12-26
Cooler unpacked by: JC
FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other
Receipt After-hours: Drop-off Date/Time Storage Location
Eurofins Cooler # 20 Foam Box Client Cooler Box Other
Packing material used: Bubble Wrap Foam Plastic Bag None Other
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☑ See Multiple Cooler Form
IR GUN # 17 (CF +0.5 °C) Observed Cooler Temp. • °C Corrected Cooler Temp. • °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC567196
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
17. Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:
Labels Verified by:

19. SAMPLE CONDITION
Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container.
Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION
Sample(s) were further preserved in the laboratory.
Time preserved: Preservative(s) added/Lot number(s):

VOA Sample Preservation - Date/Time VOAs Frozen:

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 17	3.6	4.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.9	3.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.4	2.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	3.6	4.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	0.4	0.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.4	1.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	3.6	4.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	3.3	3.8	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

2/12/2026

Login Container Summary Report

240-243052

4/7/2026 (Rev. 1)

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602178-01 MW-16A	240-243052-A-1	Plastic 60 mL - unpreserved				
L602178-01 MW-16A	240-243052-B-1	Plastic 60 mL - unpreserved				
L602178-01 MW-16A	240-243052-C-1	Plastic 250ml - with Nitric Acid	<2			
L602178-01 MW-16A	240-243052-D-1	Plastic 500ml - unpreserved				
L602178-01 MW-16A	240-243052-E-1	Plastic 500ml - with Nitric Acid	<2			
L602178-01 MW-16A	240-243052-F-1	Plastic 1 liter - unpreserved				
L602178-01 MW-16A	240-243052-G-1	Plastic 1 liter - Nitric Acid	<2			
L602178-01 MW-16A	240-243052-H-1	Plastic 1 liter - Nitric Acid	<2			
L602178-02 MW-16B	240-243052-A-2	Plastic 60 mL - unpreserved				
L602178-02 MW-16B	240-243052-B-2	Plastic 60 mL - unpreserved				
L602178-02 MW-16B	240-243052-C-2	Plastic 250ml - with Nitric Acid	<2			
L602178-02 MW-16B	240-243052-D-2	Plastic 500ml - unpreserved				
L602178-02 MW-16B	240-243052-E-2	Plastic 500ml - with Nitric Acid	<2			
L602178-02 MW-16B	240-243052-F-2	Plastic 1 liter - unpreserved				
L602178-02 MW-16B	240-243052-G-2	Plastic 1 liter - Nitric Acid	<2			
L602178-02 MW-16B	240-243052-H-2	Plastic 1 liter - Nitric Acid	<2			
L602178-03 MW-16C	240-243052-A-3	Plastic 60 mL - unpreserved				
L602178-03 MW-16C	240-243052-B-3	Plastic 60 mL - unpreserved				
L602178-03 MW-16C	240-243052-C-3	Plastic 250ml - with Nitric Acid	<2			
L602178-03 MW-16C	240-243052-D-3	Plastic 500ml - unpreserved				
L602178-03 MW-16C	240-243052-E-3	Plastic 500ml - with Nitric Acid	<2			
L602178-03 MW-16C	240-243052-F-3	Plastic 1 liter - unpreserved				
L602178-03 MW-16C	240-243052-G-3	Plastic 1 liter - Nitric Acid	<2			
L602178-03 MW-16C	240-243052-H-3	Plastic 1 liter - Nitric Acid	<2			
L602178-04 MW-16D	240-243052-A-4	Plastic 60 mL - unpreserved				
L602178-04 MW-16D	240-243052-B-4	Plastic 60 mL - unpreserved				
L602178-04 MW-16D	240-243052-C-4	Plastic 250ml - with Nitric Acid	<2			
L602178-04 MW-16D	240-243052-D-4	Plastic 500ml - unpreserved				
L602178-04 MW-16D	240-243052-E-4	Plastic 500ml - with Nitric Acid	<2			
L602178-04 MW-16D	240-243052-F-4	Plastic 1 liter - unpreserved				
L602178-04 MW-16D	240-243052-G-4	Plastic 1 liter - Nitric Acid	<2			
L602178-04 MW-16D	240-243052-H-4	Plastic 1 liter - Nitric Acid	<2			
L602178-05 MWT-16B	240-243052-A-5	Plastic 60 mL - unpreserved				
L602178-05 MWT-16B	240-243052-B-5	Plastic 60 mL - unpreserved				
L602178-05 MWT 16B	240-243052-C-5	Plastic 250ml - with Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602178-05 MWT-16B	240-243052-D-5	Plastic 500ml - unpreserved				
L602178-05 MWT-16B	240-243052-E-5	Plastic 500ml - with Nitric Acid	<2			
L602178-05 MWT-16B	240-243052-F-5	Plastic 1 liter - unpreserved				
L602178-05 MWT-16B	240-243052-G-5	Plastic 1 liter - Nitric Acid	<2			
L602178-05 MWT-16B	240-243052-H-5	Plastic 1 liter - Nitric Acid	<2			
L602178-06 FIELD BLANK	240-243052-A-6	Plastic 60 mL - unpreserved				
L602178-06 FIELD BLANK	240-243052-B-6	Plastic 60 mL - unpreserved				
L602178-06 FIELD BLANK	240-243052-C-6	Plastic 250ml - with Nitric Acid	<2			
L602178-06 FIELD BLANK	240-243052-D-6	Plastic 500ml - unpreserved				
L602178-06 FIELD BLANK	240-243052-E-6	Plastic 500ml - with Nitric Acid	<2			
L602178-06 FIELD BLANK	240-243052-F-6	Plastic 1 liter - unpreserved				
L602178-06 FIELD BLANK	240-243052-G-6	Plastic 1 liter - Nitric Acid	<2			
L602178-06 FIELD BLANK	240-243052-H-6	Plastic 1 liter - Nitric Acid	<2			
L602181-01 MW-2	240-243052-A-7	Plastic 60 mL - unpreserved				
L602181-01 MW-2	240-243052-B-7	Plastic 60 mL - unpreserved				
L602181-01 MW-2	240-243052-C-7	Plastic 250ml - with Nitric Acid	<2			
L602181-01 MW-2	240-243052-D-7	Plastic 500ml - unpreserved				
L602181-01 MW-2	240-243052-E-7	Plastic 500ml - with Nitric Acid	<2			
L602181-01 MW-2	240-243052-F-7	Plastic 500ml - w/ Nitric - Dis.	<2			
L602181-01 MW-2	240-243052-G-7	Plastic 1 liter - unpreserved				
L602181-01 MW-2	240-243052-H-7	Plastic 1 liter - Nitric Acid	<2			
L602181-01 MW-2	240-243052-I-7	Plastic 1 liter - Nitric Acid	<2			
L602181-02 MW-3	240-243052-A-8	Plastic 60 mL - unpreserved				
L602181-02 MW-3	240-243052-B-8	Plastic 60 mL - unpreserved				
L602181-02 MW-3	240-243052-C-8	Plastic 250ml - with Nitric Acid	<2			
L602181-02 MW-3	240-243052-D-8	Plastic 500ml - unpreserved				
L602181-02 MW-3	240-243052-E-8	Plastic 500ml - with Nitric Acid	<2			
L602181-02 MW-3	240-243052-F-8	Plastic 1 liter - unpreserved				
L602181-02 MW-3	240-243052-G-8	Plastic 1 liter - Nitric Acid	<2			
L602181-02 MW-3	240-243052-H-8	Plastic 1 liter - Nitric Acid	<2			
L602181-03 MW-6	240-243052-A-9	Plastic 60 mL - unpreserved				
L602181-03 MW-6	240-243052-B-9	Plastic 60 mL - unpreserved				
L602181-03 MW-6	240-243052-C-9	Plastic 250ml - with Nitric Acid	<2			
L602181-03 MW-6	240-243052-D-9	Plastic 500ml - unpreserved				
L602181-03 MW-6	240-243052-E-9	Plastic 500ml - with Nitric Acid	<2			
L602181-03 MW-6	240-243052-F-9	Plastic 1 liter - unpreserved				
L602181-03 MW-6	240-243052-G-9	Plastic 1 liter - Nitric Acid	<2			
L602181-03 MW-6	240-243052-H-9	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602181-04 MW-7C	240-243052-A-10	Plastic 60 mL - unpreserved				
L602181-04 MW-7C	240-243052-B-10	Plastic 60 mL - unpreserved				
L602181-04 MW-7C	240-243052-C-10	Plastic 250ml - with Nitric Acid	<2			
L602181-04 MW-7C	240-243052-D-10	Plastic 500ml - unpreserved				
L602181-04 MW-7C	240-243052-E-10	Plastic 500ml - with Nitric Acid	<2			
L602181-04 MW-7C	240-243052-F-10	Plastic 1 liter - unpreserved				
L602181-04 MW-7C	240-243052-G-10	Plastic 1 liter - Nitric Acid	<2			
L602181-04 MW-7C	240-243052-H-10	Plastic 1 liter - Nitric Acid	<2			
L602181-05 MW-12	240-243052-A-11	Plastic 60 mL - unpreserved				
L602181-05 MW-12	240-243052-B-11	Plastic 60 mL - unpreserved				
L602181-05 MW-12	240-243052-C-11	Plastic 500ml - unpreserved				
L602181-05 MW-12	240-243052-D-11	Plastic 1 liter - unpreserved				
L602181-06 MW-12B	240-243052-A-12	Plastic 60 mL - unpreserved				
L602181-06 MW-12B	240-243052-B-12	Plastic 60 mL - unpreserved				
L602181-06 MW-12B	240-243052-C-12	Plastic 250ml - with Nitric Acid	<2			
L602181-06 MW-12B	240-243052-D-12	Plastic 500ml - unpreserved				
L602181-06 MW-12B	240-243052-E-12	Plastic 500ml - with Nitric Acid	<2			
L602181-06 MW-12B	240-243052-F-12	Plastic 1 liter - unpreserved				
L602181-06 MW-12B	240-243052-G-12	Plastic 1 liter - Nitric Acid	<2			
L602181-06 MW-12B	240-243052-H-12	Plastic 1 liter - Nitric Acid	<2			
L602181-07 MW-17A	240-243052-A-13	Plastic 60 mL - unpreserved				
L602181-07 MW-17A	240-243052-B-13	Plastic 60 mL - unpreserved				
L602181-07 MW-17A	240-243052-C-13	Plastic 250ml - with Nitric Acid	<2			
L602181-07 MW-17A	240-243052-D-13	Plastic 500ml - unpreserved				
L602181-07 MW-17A	240-243052-E-13	Plastic 500ml - with Nitric Acid	<2			
L602181-07 MW-17A	240-243052-F-13	Plastic 1 liter - unpreserved				
L602181-07 MW-17A	240-243052-G-13	Plastic 1 liter - Nitric Acid	<2			
L602181-07 MW-17A	240-243052-H-13	Plastic 1 liter - Nitric Acid	<2			
L602181-08 MW-17B	240-243052-A-14	Plastic 60 mL - unpreserved				
L602181-08 MW-17B	240-243052-B-14	Plastic 60 mL - unpreserved				
L602181-08 MW-17B	240-243052-C-14	Plastic 250ml - with Nitric Acid	<2			
L602181-08 MW-17B	240-243052-D-14	Plastic 500ml - unpreserved				
L602181-08 MW-17B	240-243052-E-14	Plastic 500ml - with Nitric Acid	<2			
L602181-08 MW-17B	240-243052-F-14	Plastic 1 liter - unpreserved				
L602181-08 MW-17B	240-243052-G-14	Plastic 1 liter - Nitric Acid	<2			
L602181-08 MW-17B	240-243052-H-14	Plastic 1 liter - Nitric Acid	<2			
L602181-09 MW-17C	240-243052-A-15	Plastic 60 mL - unpreserved				
L602181-09 MW-17C	240-243052-B-15	Plastic 60 mL - unpreserved				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602181-09 MW-17C	240-243052-C-15	Plastic 250ml - with Nitric Acid	<2			
L602181-09 MW-17C	240-243052-D-15	Plastic 500ml - unpreserved				
L602181-09 MW-17C	240-243052-E-15	Plastic 500ml - with Nitric Acid	<2			
L602181-09 MW-17C	240-243052-F-15	Plastic 1 liter - unpreserved				
L602181-09 MW-17C	240-243052-G-15	Plastic 1 liter - Nitric Acid	<2			
L602181-09 MW-17C	240-243052-H-15	Plastic 1 liter - Nitric Acid	<2			
L602181-10 MW-17D	240-243052-A-16	Plastic 60 mL - unpreserved				
L602181-10 MW-17D	240-243052-B-16	Plastic 60 mL - unpreserved				
L602181-10 MW-17D	240-243052-C-16	Plastic 250ml - with Nitric Acid	<2			
L602181-10 MW-17D	240-243052-D-16	Plastic 500ml - unpreserved				
L602181-10 MW-17D	240-243052-E-16	Plastic 500ml - with Nitric Acid	<2			
L602181-10 MW-17D	240-243052-F-16	Plastic 1 liter - unpreserved				
L602181-10 MW-17D	240-243052-G-16	Plastic 1 liter - Nitric Acid	<2			
L602181-10 MW-17D	240-243052-H-16	Plastic 1 liter - Nitric Acid	<2			
L602181-11 MW-17E	240-243052-A-17	Plastic 60 mL - unpreserved				
L602181-11 MW-17E	240-243052-B-17	Plastic 60 mL - unpreserved				
L602181-11 MW-17E	240-243052-C-17	Plastic 250ml - with Nitric Acid	<2			
L602181-11 MW-17E	240-243052-D-17	Plastic 500ml - unpreserved				
L602181-11 MW-17E	240-243052-E-17	Plastic 500ml - with Nitric Acid	<2			
L602181-11 MW-17E	240-243052-F-17	Plastic 1 liter - unpreserved				
L602181-11 MW-17E	240-243052-G-17	Plastic 1 liter - Nitric Acid	<2			
L602181-11 MW-17E	240-243052-H-17	Plastic 1 liter - Nitric Acid	<2			
L602181-12 MW-17A	240-243052-A-18	Plastic 60 mL - unpreserved				
L602181-12 MW-17A	240-243052-B-18	Plastic 60 mL - unpreserved				
L602181-12 MW-17A	240-243052-C-18	Plastic 250ml - with Nitric Acid	<2			
L602181-12 MW-17A	240-243052-D-18	Plastic 500ml - unpreserved				
L602181-12 MW-17A	240-243052-E-18	Plastic 500ml - with Nitric Acid	<2			
L602181-12 MW-17A	240-243052-F-18	Plastic 1 liter - unpreserved				
L602181-12 MW-17A	240-243052-G-18	Plastic 1 liter - Nitric Acid	<2			
L602181-12 MW-17A	240-243052-H-18	Plastic 1 liter - Nitric Acid	<2			
L602181-13 FIELD BLANK	240-243052-A 19	Plastic 60 mL - unpreserved				
L602181-13 FIELD BLANK	240-243052-B-19	Plastic 60 mL - unpreserved				
L602181-13 FIELD BLANK	240-243052-C-19	Plastic 250ml - with Nitric Acid	<2			
L602181-13 FIELD BLANK	240-243052-D-19	Plastic 500ml - unpreserved				
L602181-13 FIELD BLANK	240-243052-E-19	Plastic 500ml - with Nitric Acid	<2			
L602181-13 FIELD BLANK	240-243052-F-19	Plastic 1 liter - unpreserved				
L602181-13 FIELD BLANK	240-243052-G-19	Plastic 1 liter - Nitric Acid	<2			
L602181-13 FIELD BLANK	240-243052-H-19	Plastic 1 liter - Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-243052-2

Login Number: 243052
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 02/19/26 11:50 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

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JOB DESCRIPTION

Erickson Wellfield Project

JOB NUMBER

240-243264-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

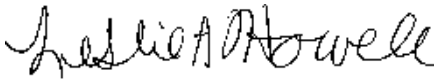
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
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Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-243264-1 — Eurofins Cleveland

Job Narrative
240-243264-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/13/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.8°C, 1.1°C, 1.2°C, 1.4°C, 1.9°C and 2.0°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET SSM
200.8	Metals (ICP/MS)	EPA	EET SSM
200.8-1994 R5.4	Metals (ICP/MS)	EPA	EET CLE
2340 B-2021	Total Hardness (as CaCO3) by calculation	SM	EET CLE
245.1-1994 R3.0	Mercury (CVAA)	EPA	EET CLE
2320 B-2021	Alkalinity	SM	EET CLE
2540 C-2020	Solids, Total Dissolved (TDS)	SM	EET CLE
2540D-2020	Solids, Total Suspended (TSS)	SM	EET CLE
300.0-1993 R2.1	Anions, Ion Chromatography	EPA	EET CLE
200.7	Preparation, Total Metals	EPA	EET SSM
200.8	Preparation, Total Metals	EPA	EET SSM
200.8-1994 R5.4	Preparation, Total Recoverable Metals	EPA	EET CLE
245.1-1994 R3.0	Preparation, Mercury	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-243264-1	L602184-01 MW-5	Water	02/11/26 17:17	02/13/26 08:00	Michigan
240-243264-2	L602184-02 MW-7	Water	02/11/26 10:00	02/13/26 08:00	Michigan
240-243264-3	L602184-03 MW-12	Water	02/11/26 08:00	02/13/26 08:00	Michigan
240-243264-4	L602184-04 MW-14	Water	02/11/26 09:55	02/13/26 08:00	Michigan
240-243264-5	L602184-05 MW-19A	Water	02/11/26 17:50	02/13/26 08:00	Michigan
240-243264-6	L602184-06 MW-19B	Water	02/11/26 16:20	02/13/26 08:00	Michigan
240-243264-7	L602184-07 MW-19C	Water	02/11/26 14:20	02/13/26 08:00	Michigan
240-243264-8	L602184-08 MW-19D	Water	02/11/26 12:25	02/13/26 08:00	Michigan
240-243264-9	L602184-09 MWT-7	Water	02/11/26 10:17	02/13/26 08:00	Michigan
240-243264-10	L602184-10 FIELD BLANK	Water	02/11/26 07:50	02/13/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-1

Client Sample ID: L602184-01 MW-5

Lab Sample ID: 240-243264-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	3.2	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	39		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium, Dissolved	3.1	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Dissolved
Sodium, Dissolved	41		0.60	0.33	mg/L	1		200.7 Rev 4.4	Dissolved
Barium	0.041		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00032	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.062		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.0033		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Selenium	0.00097	J	0.0050	0.00089	mg/L	1		200.8-1994 R5.4	Total Recoverable
Vanadium	0.00090	J	0.0050	0.00082	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	3100		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	130		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	29		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.052		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium, Dissolved	39		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Cadmium, Dissolved	0.17	J	1.0	0.077	ug/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.24	J	1.0	0.086	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	67		5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	2.9		2.0	1.5	ug/L	1		200.8-1994 R5.4	Dissolved
Selenium, Dissolved	0.94	J	5.0	0.89	ug/L	1		200.8-1994 R5.4	Dissolved
Thallium, Dissolved	0.62	J	1.0	0.51	ug/L	1		200.8-1994 R5.4	Dissolved
Boron, Dissolved	2900		400	320	ug/L	20		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	130000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	28000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	60		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Iron	0.31		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.0034	J	0.0070	0.00093	mg/L	1		200.8	Total/NA
Iron, Dissolved	0.13		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0024	J	0.0070	0.00093	mg/L	1		200.8	Dissolved
Hardness as calcium carbonate	450		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	270		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	590		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	6.7		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	36		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.10		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	230		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L602184-02 MW-7

Lab Sample ID: 240-243264-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	7.4		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	68		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602184-02 MW-7 (Continued)

Lab Sample ID: 240-243264-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0036	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.050		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cadmium	0.00012	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00016	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.15		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Thallium	0.00070	J	0.0010	0.00051	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1700		400	320	ug/L	20		200.8-1994 R5.4	Total Recoverable
Calcium	110		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	16		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.076		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	1.1		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	340		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	200		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Chloride	86		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.36		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	190		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602184-03 MW-12

Lab Sample ID: 240-243264-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	1.3	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	85		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium, Dissolved	1.5	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Dissolved
Sodium, Dissolved	87		0.60	0.33	mg/L	1		200.7 Rev 4.4	Dissolved
Arsenic	0.0012	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.050		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.0023		0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0040	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.012		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Vanadium	0.00088	J	0.0050	0.00082	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	65		20	16	ug/L	1		200.8-1994 R5.4	Total Recoverable
Calcium	160		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	63		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.0061	J	0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Arsenic, Dissolved	0.81	J	5.0	0.75	ug/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	47		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602184-03 MW-12 (Continued) — Lab Sample ID: 240-243264-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt, Dissolved	2.0		1.0	0.086	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	4.1	J	5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	11		2.0	1.5	ug/L	1		200.8-1994 R5.4	Dissolved
Boron, Dissolved	63		20	16	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	150000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	61000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	14		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Iron	0.66		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.0026	J	0.0070	0.00093	mg/L	1		200.8	Total/NA
Iron, Dissolved	1.1		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0039	J	0.0070	0.00093	mg/L	1		200.8	Dissolved
Hardness as calcium carbonate	650		33	33	mg/L	1		2340 B-2021	Total Recoverable

Client Sample ID: L602184-04 MW-14 — Lab Sample ID: 240-243264-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	3.9		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	72		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0065		0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.14		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00057	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.012		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.0038		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Vanadium	0.0016	J	0.0050	0.00082	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1600		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	170		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	46		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.091		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	15		0.50	0.067	mg/L	5		200.8	Total/NA
Zinc	0.0011	J	0.0070	0.00093	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	610		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	570		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	760		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	18		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	120		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.12		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	3.9		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602184-05 MW-19A — Lab Sample ID: 240-243264-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	1.2	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	39		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602184-05 MW-19A (Continued)

Lab Sample ID: 240-243264-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0035	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.088		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0021	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.014		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	170		40	32	ug/L	2		200.8-1994 R5.4	Total Recoverable
Calcium	200		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	65		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.011		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	4.2		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	770		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	390		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	1000		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	9.4		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	100		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.11		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	310		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

Client Sample ID: L602184-06 MW-19B

Lab Sample ID: 240-243264-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	2.3	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	34		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0033	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.052		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0019	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Nickel	0.016		0.0020	0.0015	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	400		100	80	ug/L	5		200.8-1994 R5.4	Total Recoverable
Calcium	190		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	68		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.015		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	1.9		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	760		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	400		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	1000		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	4.6		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	76		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.19		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	310		5.0	1.7	mg/L	5		300.0-1993 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-1

Client Sample ID: L602184-07 MW-19C — Lab Sample ID: 240-243264-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	6.6		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	43		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.033		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1300		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	59		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	21		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.025		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.61		0.10	0.013	mg/L	1		200.8	Total/NA
Zinc	0.0026	J	0.0070	0.00093	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	230		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	330		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	290		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.4	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	1.8		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.42		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	0.68	J	1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602184-08 MW-19D — Lab Sample ID: 240-243264-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	5.0		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	28		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.051		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0012	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	520		100	80	ug/L	5		200.8-1994 R5.4	Total Recoverable
Calcium	68		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	24		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.013		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.67		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	270		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	320		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	310		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.4	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	1.1		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.42		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	11		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602184-09 MWT-7 — Lab Sample ID: 240-243264-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	7.5		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	68		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602184-09 MWT-7 (Continued)

Lab Sample ID: 240-243264-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0036	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.051		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.15		0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1700		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	110		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	16		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.076		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	1.2		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	350		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	200		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	560		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.5	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	86		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.41		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	190		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602184-10 FIELD BLANK

Lab Sample ID: 240-243264-10

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602184-01 MW-5

Lab Sample ID: 240-243264-1

Date Collected: 02/11/26 17:17

Matrix: Water

Date Received: 02/13/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	3.2	J	3.3	0.17	mg/L		02/20/26 15:29	02/24/26 21:50	1
Na	39		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 21:50	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium, Dissolved	3.1	J	3.3	0.17	mg/L		02/20/26 15:29	02/24/26 21:46	1
Sodium, Dissolved	41		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 21:46	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/17/26 14:00	02/18/26 16:58	1
Arsenic	ND		0.0050	0.00075	mg/L		02/17/26 14:00	02/18/26 16:58	1
Barium	0.041		0.0050	0.00077	mg/L		02/17/26 14:00	02/18/26 16:58	1
Beryllium	ND		0.0010	0.00027	mg/L		02/17/26 14:00	02/18/26 16:58	1
Cadmium	ND		0.0010	0.000077	mg/L		02/17/26 14:00	02/18/26 16:58	1
Cobalt	0.00032	J	0.0010	0.000086	mg/L		02/17/26 14:00	02/18/26 16:58	1
Chromium	ND		0.0050	0.0012	mg/L		02/17/26 14:00	02/18/26 16:58	1
Copper	ND		0.0020	0.0017	mg/L		02/17/26 14:00	02/18/26 16:58	1
Molybdenum	0.062		0.0050	0.0011	mg/L		02/17/26 14:00	02/18/26 16:58	1
Nickel	0.0033		0.0020	0.0015	mg/L		02/17/26 14:00	02/18/26 16:58	1
Lead	ND		0.0010	0.00045	mg/L		02/17/26 14:00	02/18/26 16:58	1
Antimony	ND		0.0020	0.00057	mg/L		02/17/26 14:00	02/18/26 16:58	1
Selenium	0.00097	J	0.0050	0.00089	mg/L		02/17/26 14:00	02/18/26 16:58	1
Thallium	ND		0.0010	0.00051	mg/L		02/17/26 14:00	02/18/26 16:58	1
Vanadium	0.00090	J	0.0050	0.00082	mg/L		02/17/26 14:00	02/18/26 16:58	1
Boron	3100		400	320	ug/L		02/17/26 14:00	02/20/26 12:04	20
Calcium	130		1.0	0.25	mg/L		02/17/26 14:00	02/18/26 16:58	1
Magnesium	29		1.0	0.061	mg/L		02/17/26 14:00	02/18/26 16:58	1
Lithium	0.052		0.0080	0.0034	mg/L		02/17/26 14:00	02/18/26 16:58	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver, Dissolved	ND		1.0	0.053	ug/L		02/17/26 14:00	02/18/26 17:06	1
Arsenic, Dissolved	ND		5.0	0.75	ug/L		02/17/26 14:00	02/18/26 17:06	1
Barium, Dissolved	39		5.0	0.77	ug/L		02/17/26 14:00	02/18/26 17:06	1
Beryllium, Dissolved	ND		1.0	0.27	ug/L		02/17/26 14:00	02/18/26 17:06	1
Cadmium, Dissolved	0.17	J	1.0	0.077	ug/L		02/17/26 14:00	02/18/26 17:06	1
Cobalt, Dissolved	0.24	J	1.0	0.086	ug/L		02/17/26 14:00	02/18/26 17:06	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/17/26 14:00	02/18/26 17:06	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/17/26 14:00	02/18/26 17:06	1
Molybdenum, Dissolved	67		5.0	1.1	ug/L		02/17/26 14:00	02/18/26 17:06	1
Nickel, Dissolved	2.9		2.0	1.5	ug/L		02/17/26 14:00	02/18/26 17:06	1
Lead, Dissolved	ND		1.0	0.45	ug/L		02/17/26 14:00	02/18/26 17:06	1
Antimony, Dissolved	ND		2.0	0.57	ug/L		02/17/26 14:00	02/18/26 17:06	1
Selenium, Dissolved	0.94	J	5.0	0.89	ug/L		02/17/26 14:00	02/18/26 17:06	1
Thallium, Dissolved	0.62	J	1.0	0.51	ug/L		02/17/26 14:00	02/18/26 17:06	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/17/26 14:00	02/18/26 17:06	1
Boron, Dissolved	2900		400	320	ug/L		02/17/26 14:00	02/20/26 12:12	20
Calcium, Dissolved	130000		1000	250	ug/L		02/17/26 14:00	02/18/26 17:06	1
Magnesium, Dissolved	28000		1000	61	ug/L		02/17/26 14:00	02/18/26 17:06	1

Client Sample ID: L602184-01 MW-5
Date Collected: 02/11/26 17:17
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-1
Matrix: Water

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium, Dissolved	60		8.0	3.4	ug/L		02/17/26 14:00	02/18/26 17:06	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.31		0.10	0.013	mg/L		02/20/26 15:29	02/25/26 22:12	1
Zinc	0.0034	J	0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:12	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.13		0.10	0.013	mg/L		02/20/26 15:29	02/25/26 22:09	1
Zinc, Dissolved	0.0024	J	0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:09	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	450		33	33	mg/L			02/23/26 05:23	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/17/26 14:00	02/18/26 12:30	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.20	0.13	ug/L		02/17/26 14:00	02/18/26 12:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	270		5.0	2.6	mg/L			02/18/26 16:12	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/18/26 16:12	1
Total Dissolved Solids (SM 2540 C-2020)	590		10	7.8	mg/L			02/18/26 11:20	1
Total Suspended Solids (SM 2540D-2020)	6.7		4.0	0.40	mg/L			02/18/26 12:03	1
Chloride (EPA 300.0-1993 R2.1)	36		1.0	0.13	mg/L			02/18/26 13:00	1
Fluoride (EPA 300.0-1993 R2.1)	0.10		0.050	0.024	mg/L			02/18/26 13:00	1
Sulfate (EPA 300.0-1993 R2.1)	230		5.0	1.7	mg/L			02/18/26 13:08	5

Client Sample ID: L602184-02 MW-7

Date Collected: 02/11/26 10:00
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-2

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**7.4**		3.3	0.17	mg/L		02/20/26 15:29	02/24/26 21:53	1
Na	**68**		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 21:53	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/17/26 14:00	02/18/26 17:14	1
Arsenic	**0.0036**	**J**	0.0050	0.00075	mg/L		02/17/26 14:00	02/18/26 17:14	1
Barium	**0.050**		0.0050	0.00077	mg/L		02/17/26 14:00	02/18/26 17:14	1
Beryllium	ND		0.0010	0.00027	mg/L		02/17/26 14:00	02/18/26 17:14	1
Cadmium	**0.00012**	**J**	0.0010	0.000077	mg/L		02/17/26 14:00	02/18/26 17:14	1
Cobalt	**0.00016**	**J**	0.0010	0.000086	mg/L		02/17/26 14:00	02/18/26 17:14	1
Chromium	ND		0.0050	0.0012	mg/L		02/17/26 14:00	02/18/26 17:14	1
Copper	ND		0.0020	0.0017	mg/L		02/17/26 14:00	02/18/26 17:14	1
Molybdenum	**0.15**		0.0050	0.0011	mg/L		02/17/26 14:00	02/18/26 17:14	1
Nickel	ND		0.0020	0.0015	mg/L		02/17/26 14:00	02/18/26 17:14	1
Lead	ND		0.0010	0.00045	mg/L		02/17/26 14:00	02/18/26 17:14	1
Antimony	ND		0.0020	0.00057	mg/L		02/17/26 14:00	02/18/26 17:14	1
Selenium	ND		0.0050	0.00089	mg/L		02/17/26 14:00	02/18/26 17:14	1
Thallium	**0.00070**	**J**	0.0010	0.00051	mg/L		02/17/26 14:00	02/18/26 17:14	1
Vanadium	ND		0.0050	0.00082	mg/L		02/17/26 14:00	02/18/26 17:14	1
Boron	**1700**		400	320	ug/L		02/17/26 14:00	02/20/26 12:20	20
Calcium	**110**		1.0	0.25	mg/L		02/17/26 14:00	02/18/26 17:14	1
Magnesium	**16**		1.0	0.061	mg/L		02/17/26 14:00	02/18/26 17:14	1
Lithium	**0.076**		0.0080	0.0034	mg/L		02/17/26 14:00	02/18/26 17:14	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.1**		0.10	0.013	mg/L		02/20/26 15:29	02/25/26 22:14	1
Zinc	ND		0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:14	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**340**		33	33	mg/L			02/23/26 05:23	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/17/26 14:00	02/18/26 12:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**200**		5.0	2.6	mg/L			02/18/26 16:20	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/18/26 16:20	1
Chloride (EPA 300.0-1993 R2.1)	**86**		1.0	0.13	mg/L			02/18/26 13:16	1
Fluoride (EPA 300.0-1993 R2.1)	**0.36**		0.050	0.024	mg/L			02/18/26 13:16	1
Sulfate (EPA 300.0-1993 R2.1)	**190**		1.0	0.35	mg/L			02/18/26 13:16	1

Client Sample ID: L602184-03 MW-12

Lab Sample ID: 240-243264-3

Date Collected: 02/11/26 08:00

Matrix: Water

Date Received: 02/13/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**1.3**	**J**	3.3	0.17	mg/L		02/20/26 15:29	02/24/26 22:03	1
Na	**85**		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 22:03	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium, Dissolved	**1.5**	**J**	3.3	0.17	mg/L		02/20/26 15:29	02/24/26 22:07	1
Sodium, Dissolved	**87**		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 22:07	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/17/26 14:00	02/18/26 17:22	1
Arsenic	**0.0012**	**J**	0.0050	0.00075	mg/L		02/17/26 14:00	02/18/26 17:22	1
Barium	**0.050**		0.0050	0.00077	mg/L		02/17/26 14:00	02/18/26 17:22	1
Beryllium	ND		0.0010	0.00027	mg/L		02/17/26 14:00	02/18/26 17:22	1
Cadmium	ND		0.0010	0.000077	mg/L		02/17/26 14:00	02/18/26 17:22	1
Cobalt	**0.0023**		0.0010	0.000086	mg/L		02/17/26 14:00	02/18/26 17:22	1
Chromium	ND		0.0050	0.0012	mg/L		02/17/26 14:00	02/18/26 17:22	1
Copper	ND		0.0020	0.0017	mg/L		02/17/26 14:00	02/18/26 17:22	1
Molybdenum	**0.0040**	**J**	0.0050	0.0011	mg/L		02/17/26 14:00	02/18/26 17:22	1
Nickel	**0.012**		0.0020	0.0015	mg/L		02/17/26 14:00	02/18/26 17:22	1
Lead	ND		0.0010	0.00045	mg/L		02/17/26 14:00	02/18/26 17:22	1
Antimony	ND		0.0020	0.00057	mg/L		02/17/26 14:00	02/18/26 17:22	1
Selenium	ND		0.0050	0.00089	mg/L		02/17/26 14:00	02/18/26 17:22	1
Thallium	ND		0.0010	0.00051	mg/L		02/17/26 14:00	02/18/26 17:22	1
Vanadium	**0.00088**	**J**	0.0050	0.00082	mg/L		02/17/26 14:00	02/18/26 17:22	1
Boron	**65**		20	16	ug/L		02/17/26 14:00	02/20/26 12:23	1
Calcium	**160**		1.0	0.25	mg/L		02/17/26 14:00	02/18/26 17:22	1
Magnesium	**63**		1.0	0.061	mg/L		02/17/26 14:00	02/18/26 17:22	1
Lithium	**0.0061**	**J**	0.0080	0.0034	mg/L		02/17/26 14:00	02/18/26 17:22	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver, Dissolved	ND		1.0	0.053	ug/L		02/17/26 14:00	02/18/26 17:25	1
Arsenic, Dissolved	**0.81**	**J**	5.0	0.75	ug/L		02/17/26 14:00	02/18/26 17:25	1
Barium, Dissolved	**47**		5.0	0.77	ug/L		02/17/26 14:00	02/18/26 17:25	1
Beryllium, Dissolved	ND		1.0	0.27	ug/L		02/17/26 14:00	02/18/26 17:25	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/17/26 14:00	02/18/26 17:25	1
Cobalt, Dissolved	**2.0**		1.0	0.086	ug/L		02/17/26 14:00	02/18/26 17:25	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/17/26 14:00	02/18/26 17:25	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/17/26 14:00	02/18/26 17:25	1
Molybdenum, Dissolved	**4.1**	**J**	5.0	1.1	ug/L		02/17/26 14:00	02/18/26 17:25	1
Nickel, Dissolved	**11**		2.0	1.5	ug/L		02/17/26 14:00	02/18/26 17:25	1
Lead, Dissolved	ND		1.0	0.45	ug/L		02/17/26 14:00	02/18/26 17:25	1
Antimony, Dissolved	ND		2.0	0.57	ug/L		02/17/26 14:00	02/18/26 17:25	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/17/26 14:00	02/18/26 17:25	1
Thallium, Dissolved	ND		1.0	0.51	ug/L		02/17/26 14:00	02/18/26 17:25	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/17/26 14:00	02/18/26 17:25	1
Boron, Dissolved	**63**		20	16	ug/L		02/17/26 14:00	02/20/26 12:26	1
Calcium, Dissolved	**150000**		1000	250	ug/L		02/17/26 14:00	02/18/26 17:25	1
Magnesium, Dissolved	**61000**		1000	61	ug/L		02/17/26 14:00	02/18/26 17:25	1

Client Sample ID: L602184-03 MW-12
Date Collected: 02/11/26 08:00
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-3
Matrix: Water

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium, Dissolved	14		8.0	3.4	ug/L		02/17/26 14:00	02/18/26 17:25	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.66		0.10	0.013	mg/L		02/20/26 15:29	02/25/26 22:17	1
Zinc	0.0026	J	0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:17	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	1.1		0.10	0.013	mg/L		02/20/26 15:29	02/25/26 22:20	1
Zinc, Dissolved	0.0039	J	0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:20	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	650		33	33	mg/L			02/23/26 05:23	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/17/26 14:00	02/18/26 12:42	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.20	0.13	ug/L		02/17/26 14:00	02/18/26 12:44	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-1

Client Sample ID: L602184-04 MW-14

Date Collected: 02/11/26 09:55
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-4

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	3.9		3.3	0.17	mg/L		02/20/26 15:29	02/24/26 22:10	1
Na	72		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 22:10	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/17/26 14:00	02/18/26 17:27	1
Arsenic	0.0065		0.0050	0.00075	mg/L		02/17/26 14:00	02/18/26 17:27	1
Barium	0.14		0.0050	0.00077	mg/L		02/17/26 14:00	02/18/26 17:27	1
Beryllium	ND		0.0010	0.00027	mg/L		02/17/26 14:00	02/18/26 17:27	1
Cadmium	ND		0.0010	0.000077	mg/L		02/17/26 14:00	02/18/26 17:27	1
Cobalt	0.00057	J	0.0010	0.000086	mg/L		02/17/26 14:00	02/18/26 17:27	1
Chromium	ND		0.0050	0.0012	mg/L		02/17/26 14:00	02/18/26 17:27	1
Copper	ND		0.0020	0.0017	mg/L		02/17/26 14:00	02/18/26 17:27	1
Molybdenum	0.012		0.0050	0.0011	mg/L		02/17/26 14:00	02/18/26 17:27	1
Nickel	0.0038		0.0020	0.0015	mg/L		02/17/26 14:00	02/18/26 17:27	1
Lead	ND		0.0010	0.00045	mg/L		02/17/26 14:00	02/18/26 17:27	1
Antimony	ND		0.0020	0.00057	mg/L		02/17/26 14:00	02/18/26 17:27	1
Selenium	ND		0.0050	0.00089	mg/L		02/17/26 14:00	02/18/26 17:27	1
Thallium	ND		0.0010	0.00051	mg/L		02/17/26 14:00	02/18/26 17:27	1
Vanadium	0.0016	J	0.0050	0.00082	mg/L		02/17/26 14:00	02/18/26 17:27	1
Boron	1600		200	160	ug/L		02/17/26 14:00	02/20/26 12:28	10
Calcium	170		1.0	0.25	mg/L		02/17/26 14:00	02/18/26 17:27	1
Magnesium	46		1.0	0.061	mg/L		02/17/26 14:00	02/18/26 17:27	1
Lithium	0.091		0.0080	0.0034	mg/L		02/17/26 14:00	02/18/26 17:27	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	15		0.50	0.067	mg/L		02/20/26 15:29	02/25/26 22:32	5
Zinc	0.0011	J	0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:23	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	610		33	33	mg/L			02/23/26 05:23	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/17/26 14:00	02/18/26 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	570		5.0	2.6	mg/L			02/18/26 16:28	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/18/26 16:28	1
Total Dissolved Solids (SM 2540 C-2020)	760		10	7.8	mg/L			02/18/26 11:20	1
Total Suspended Solids (SM 2540D-2020)	18		4.0	0.40	mg/L			02/18/26 12:03	1
Chloride (EPA 300.0-1993 R2.1)	120		1.0	0.13	mg/L			02/18/26 13:31	1
Fluoride (EPA 300.0-1993 R2.1)	0.12		0.050	0.024	mg/L			02/18/26 13:31	1
Sulfate (EPA 300.0-1993 R2.1)	3.9		1.0	0.35	mg/L			02/18/26 13:31	1

Client Sample ID: L602184-05 MW-19A
Date Collected: 02/11/26 17:50
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-5
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	1.2	J	3.3	0.17	mg/L		02/20/26 15:29	02/24/26 22:13	1
Na	39		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 22:13	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/17/26 14:00	02/18/26 17:30	1
Arsenic	0.0035	J	0.0050	0.00075	mg/L		02/17/26 14:00	02/18/26 17:30	1
Barium	0.088		0.0050	0.00077	mg/L		02/17/26 14:00	02/18/26 17:30	1
Beryllium	ND		0.0010	0.00027	mg/L		02/17/26 14:00	02/18/26 17:30	1
Cadmium	ND		0.0010	0.000077	mg/L		02/17/26 14:00	02/18/26 17:30	1
Cobalt	ND		0.0010	0.000086	mg/L		02/17/26 14:00	02/18/26 17:30	1
Chromium	ND		0.0050	0.0012	mg/L		02/17/26 14:00	02/18/26 17:30	1
Copper	ND		0.0020	0.0017	mg/L		02/17/26 14:00	02/18/26 17:30	1
Molybdenum	0.0021	J	0.0050	0.0011	mg/L		02/17/26 14:00	02/18/26 17:30	1
Nickel	0.014		0.0020	0.0015	mg/L		02/17/26 14:00	02/18/26 17:30	1
Lead	ND		0.0010	0.00045	mg/L		02/17/26 14:00	02/18/26 17:30	1
Antimony	ND		0.0020	0.00057	mg/L		02/17/26 14:00	02/18/26 17:30	1
Selenium	ND		0.0050	0.00089	mg/L		02/17/26 14:00	02/18/26 17:30	1
Thallium	ND		0.0010	0.00051	mg/L		02/17/26 14:00	02/18/26 17:30	1
Vanadium	ND		0.0050	0.00082	mg/L		02/17/26 14:00	02/18/26 17:30	1
Boron	170		40	32	ug/L		02/17/26 14:00	02/20/26 12:36	2
Calcium	200		1.0	0.25	mg/L		02/17/26 14:00	02/18/26 17:30	1
Magnesium	65		1.0	0.061	mg/L		02/17/26 14:00	02/18/26 17:30	1
Lithium	0.011		0.0080	0.0034	mg/L		02/17/26 14:00	02/18/26 17:30	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	4.2		0.10	0.013	mg/L		02/20/26 15:29	02/25/26 22:35	1
Zinc	ND		0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:35	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	770		33	33	mg/L			02/23/26 05:23	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/17/26 14:00	02/18/26 12:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	390		5.0	2.6	mg/L			02/18/26 16:52	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/18/26 16:52	1
Total Dissolved Solids (SM 2540 C-2020)	1000		10	7.8	mg/L			02/18/26 11:20	1
Total Suspended Solids (SM 2540D-2020)	9.4		4.0	0.40	mg/L			02/18/26 12:03	1
Chloride (EPA 300.0-1993 R2.1)	100		1.0	0.13	mg/L			02/18/26 14:02	1
Fluoride (EPA 300.0-1993 R2.1)	0.11		0.050	0.024	mg/L			02/18/26 14:02	1
Sulfate (EPA 300.0-1993 R2.1)	310		5.0	1.7	mg/L			02/18/26 14:09	5

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-1

Client Sample ID: L602184-06 MW-19B

Date Collected: 02/11/26 16:20
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-6

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	2.3	J	3.3	0.17	mg/L		02/20/26 15:29	02/24/26 22:16	1
Na	34		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 22:16	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/17/26 14:00	02/18/26 17:33	1
Arsenic	0.0033	J	0.0050	0.00075	mg/L		02/17/26 14:00	02/18/26 17:33	1
Barium	0.052		0.0050	0.00077	mg/L		02/17/26 14:00	02/18/26 17:33	1
Beryllium	ND		0.0010	0.00027	mg/L		02/17/26 14:00	02/18/26 17:33	1
Cadmium	ND		0.0010	0.000077	mg/L		02/17/26 14:00	02/18/26 17:33	1
Cobalt	ND		0.0010	0.000086	mg/L		02/17/26 14:00	02/18/26 17:33	1
Chromium	ND		0.0050	0.0012	mg/L		02/17/26 14:00	02/18/26 17:33	1
Copper	ND		0.0020	0.0017	mg/L		02/17/26 14:00	02/18/26 17:33	1
Molybdenum	0.0019	J	0.0050	0.0011	mg/L		02/17/26 14:00	02/18/26 17:33	1
Nickel	0.016		0.0020	0.0015	mg/L		02/17/26 14:00	02/18/26 17:33	1
Lead	ND		0.0010	0.00045	mg/L		02/17/26 14:00	02/18/26 17:33	1
Antimony	ND		0.0020	0.00057	mg/L		02/17/26 14:00	02/18/26 17:33	1
Selenium	ND		0.0050	0.00089	mg/L		02/17/26 14:00	02/18/26 17:33	1
Thallium	ND		0.0010	0.00051	mg/L		02/17/26 14:00	02/18/26 17:33	1
Vanadium	ND		0.0050	0.00082	mg/L		02/17/26 14:00	02/18/26 17:33	1
Boron	400		100	80	ug/L		02/17/26 14:00	02/20/26 12:39	5
Calcium	190		1.0	0.25	mg/L		02/17/26 14:00	02/18/26 17:33	1
Magnesium	68		1.0	0.061	mg/L		02/17/26 14:00	02/18/26 17:33	1
Lithium	0.015		0.0080	0.0034	mg/L		02/17/26 14:00	02/18/26 17:33	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.9		0.10	0.013	mg/L		02/20/26 15:29	02/25/26 22:37	1
Zinc	ND		0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:37	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	760		33	33	mg/L			02/23/26 05:23	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/17/26 14:00	02/18/26 12:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	400		5.0	2.6	mg/L			02/18/26 17:10	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/18/26 17:10	1
Total Dissolved Solids (SM 2540 C-2020)	1000		10	7.8	mg/L			02/18/26 11:20	1
Total Suspended Solids (SM 2540D-2020)	4.6		4.0	0.40	mg/L			02/18/26 12:53	1
Chloride (EPA 300.0-1993 R2.1)	76		1.0	0.13	mg/L			02/18/26 14:17	1
Fluoride (EPA 300.0-1993 R2.1)	0.19		0.050	0.024	mg/L			02/18/26 14:17	1
Sulfate (EPA 300.0-1993 R2.1)	310		5.0	1.7	mg/L			02/18/26 14:25	5

Client Sample ID: L602184-07 MW-19C
Date Collected: 02/11/26 14:20
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-7
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	6.6		3.3	0.17	mg/L		02/20/26 15:29	02/24/26 22:20	1
Na	43		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 22:20	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/17/26 14:00	02/18/26 17:36	1
Arsenic	ND		0.0050	0.00075	mg/L		02/17/26 14:00	02/18/26 17:36	1
Barium	0.033		0.0050	0.00077	mg/L		02/17/26 14:00	02/18/26 17:36	1
Beryllium	ND		0.0010	0.00027	mg/L		02/17/26 14:00	02/18/26 17:36	1
Cadmium	ND		0.0010	0.000077	mg/L		02/17/26 14:00	02/18/26 17:36	1
Cobalt	ND		0.0010	0.000086	mg/L		02/17/26 14:00	02/18/26 17:36	1
Chromium	ND		0.0050	0.0012	mg/L		02/17/26 14:00	02/18/26 17:36	1
Copper	ND		0.0020	0.0017	mg/L		02/17/26 14:00	02/18/26 17:36	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/17/26 14:00	02/18/26 17:36	1
Nickel	ND		0.0020	0.0015	mg/L		02/17/26 14:00	02/18/26 17:36	1
Lead	ND		0.0010	0.00045	mg/L		02/17/26 14:00	02/18/26 17:36	1
Antimony	ND		0.0020	0.00057	mg/L		02/17/26 14:00	02/18/26 17:36	1
Selenium	ND		0.0050	0.00089	mg/L		02/17/26 14:00	02/18/26 17:36	1
Thallium	ND		0.0010	0.00051	mg/L		02/17/26 14:00	02/18/26 17:36	1
Vanadium	ND		0.0050	0.00082	mg/L		02/17/26 14:00	02/18/26 17:36	1
Boron	1300		200	160	ug/L		02/17/26 14:00	02/20/26 12:42	10
Calcium	59		1.0	0.25	mg/L		02/17/26 14:00	02/18/26 17:36	1
Magnesium	21		1.0	0.061	mg/L		02/17/26 14:00	02/18/26 17:36	1
Lithium	0.025		0.0080	0.0034	mg/L		02/17/26 14:00	02/18/26 17:36	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.61		0.10	0.013	mg/L		02/20/26 15:29	02/25/26 22:40	1
Zinc	0.0026	J	0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:40	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	230		33	33	mg/L			02/23/26 05:23	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/17/26 14:00	02/18/26 12:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	330		5.0	2.6	mg/L			02/18/26 17:20	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/18/26 17:20	1
Total Dissolved Solids (SM 2540 C-2020)	290		10	7.8	mg/L			02/18/26 11:20	1
Total Suspended Solids (SM 2540D-2020)	1.4	J	4.0	0.40	mg/L			02/18/26 12:53	1
Chloride (EPA 300.0-1993 R2.1)	1.8		1.0	0.13	mg/L			02/18/26 12:37	1
Fluoride (EPA 300.0-1993 R2.1)	0.42		0.050	0.024	mg/L			02/18/26 12:37	1
Sulfate (EPA 300.0-1993 R2.1)	0.68	J	1.0	0.35	mg/L			02/18/26 12:37	1

Client Sample ID: L602184-08 MW-19D
Date Collected: 02/11/26 12:25
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-8
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	5.0		3.3	0.17	mg/L		02/20/26 15:29	02/24/26 22:23	1
Na	28		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 22:23	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/17/26 14:00	02/18/26 17:38	1
Arsenic	ND		0.0050	0.00075	mg/L		02/17/26 14:00	02/18/26 17:38	1
Barium	0.051		0.0050	0.00077	mg/L		02/17/26 14:00	02/18/26 17:38	1
Beryllium	ND		0.0010	0.00027	mg/L		02/17/26 14:00	02/18/26 17:38	1
Cadmium	ND		0.0010	0.000077	mg/L		02/17/26 14:00	02/18/26 17:38	1
Cobalt	ND		0.0010	0.000086	mg/L		02/17/26 14:00	02/18/26 17:38	1
Chromium	ND		0.0050	0.0012	mg/L		02/17/26 14:00	02/18/26 17:38	1
Copper	ND		0.0020	0.0017	mg/L		02/17/26 14:00	02/18/26 17:38	1
Molybdenum	0.0012	J	0.0050	0.0011	mg/L		02/17/26 14:00	02/18/26 17:38	1
Nickel	ND		0.0020	0.0015	mg/L		02/17/26 14:00	02/18/26 17:38	1
Lead	ND		0.0010	0.00045	mg/L		02/17/26 14:00	02/18/26 17:38	1
Antimony	ND		0.0020	0.00057	mg/L		02/17/26 14:00	02/18/26 17:38	1
Selenium	ND		0.0050	0.00089	mg/L		02/17/26 14:00	02/18/26 17:38	1
Thallium	ND		0.0010	0.00051	mg/L		02/17/26 14:00	02/18/26 17:38	1
Vanadium	ND		0.0050	0.00082	mg/L		02/17/26 14:00	02/18/26 17:38	1
Boron	520		100	80	ug/L		02/17/26 14:00	02/20/26 12:44	5
Calcium	68		1.0	0.25	mg/L		02/17/26 14:00	02/18/26 17:38	1
Magnesium	24		1.0	0.061	mg/L		02/17/26 14:00	02/18/26 17:38	1
Lithium	0.013		0.0080	0.0034	mg/L		02/17/26 14:00	02/18/26 17:38	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.67		0.10	0.013	mg/L		02/20/26 15:29	02/25/26 22:43	1
Zinc	ND		0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:43	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	270		33	33	mg/L			02/23/26 05:23	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/17/26 14:00	02/18/26 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	320		5.0	2.6	mg/L			02/18/26 17:29	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/18/26 17:29	1
Total Dissolved Solids (SM 2540 C-2020)	310		10	7.8	mg/L			02/18/26 11:20	1
Total Suspended Solids (SM 2540D-2020)	1.4	J	4.0	0.40	mg/L			02/18/26 12:53	1
Chloride (EPA 300.0-1993 R2.1)	1.1		1.0	0.13	mg/L			02/18/26 14:33	1
Fluoride (EPA 300.0-1993 R2.1)	0.42		0.050	0.024	mg/L			02/18/26 14:33	1
Sulfate (EPA 300.0-1993 R2.1)	11		1.0	0.35	mg/L			02/18/26 14:33	1

Client Sample ID: L602184-09 MWT-7

Lab Sample ID: 240-243264-9

Date Collected: 02/11/26 10:17

Matrix: Water

Date Received: 02/13/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	7.5		3.3	0.17	mg/L		02/20/26 15:29	02/24/26 22:26	1
Na	68		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 22:26	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/17/26 14:00	02/18/26 17:41	1
Arsenic	0.0036	J	0.0050	0.00075	mg/L		02/17/26 14:00	02/18/26 17:41	1
Barium	0.051		0.0050	0.00077	mg/L		02/17/26 14:00	02/18/26 17:41	1
Beryllium	ND		0.0010	0.00027	mg/L		02/17/26 14:00	02/18/26 17:41	1
Cadmium	ND		0.0010	0.000077	mg/L		02/17/26 14:00	02/18/26 17:41	1
Cobalt	ND		0.0010	0.000086	mg/L		02/17/26 14:00	02/18/26 17:41	1
Chromium	ND		0.0050	0.0012	mg/L		02/17/26 14:00	02/18/26 17:41	1
Copper	ND		0.0020	0.0017	mg/L		02/17/26 14:00	02/18/26 17:41	1
Molybdenum	0.15		0.0050	0.0011	mg/L		02/17/26 14:00	02/18/26 17:41	1
Nickel	ND		0.0020	0.0015	mg/L		02/17/26 14:00	02/18/26 17:41	1
Lead	ND		0.0010	0.00045	mg/L		02/17/26 14:00	02/18/26 17:41	1
Antimony	ND		0.0020	0.00057	mg/L		02/17/26 14:00	02/18/26 17:41	1
Selenium	ND		0.0050	0.00089	mg/L		02/17/26 14:00	02/18/26 17:41	1
Thallium	ND		0.0010	0.00051	mg/L		02/17/26 14:00	02/18/26 17:41	1
Vanadium	ND		0.0050	0.00082	mg/L		02/17/26 14:00	02/18/26 17:41	1
Boron	1700		200	160	ug/L		02/17/26 14:00	02/20/26 12:47	10
Calcium	110		1.0	0.25	mg/L		02/17/26 14:00	02/18/26 17:41	1
Magnesium	16		1.0	0.061	mg/L		02/17/26 14:00	02/18/26 17:41	1
Lithium	0.076		0.0080	0.0034	mg/L		02/17/26 14:00	02/18/26 17:41	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.2		0.10	0.013	mg/L		02/20/26 15:29	02/25/26 22:46	1
Zinc	ND		0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:46	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	350		33	33	mg/L			02/23/26 05:23	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/17/26 14:00	02/18/26 12:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	200		5.0	2.6	mg/L			02/18/26 17:39	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/18/26 17:39	1
Total Dissolved Solids (SM 2540 C-2020)	560		10	7.8	mg/L			02/18/26 11:20	1
Total Suspended Solids (SM 2540D-2020)	1.5	J	4.0	0.40	mg/L			02/18/26 12:53	1
Chloride (EPA 300.0-1993 R2.1)	86		1.0	0.13	mg/L			02/18/26 14:40	1
Fluoride (EPA 300.0-1993 R2.1)	0.41		0.050	0.024	mg/L			02/18/26 14:40	1
Sulfate (EPA 300.0-1993 R2.1)	190		1.0	0.35	mg/L			02/18/26 14:40	1

Client Sample ID: L602184-10 FIELD BLANK

Lab Sample ID: 240-243264-10

Date Collected: 02/11/26 07:50

Matrix: Water

Date Received: 02/13/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		02/20/26 15:29	02/24/26 22:30	1
Na	ND		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 22:30	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/17/26 14:00	02/18/26 17:44	1
Arsenic	ND		0.0050	0.00075	mg/L		02/17/26 14:00	02/18/26 17:44	1
Barium	ND		0.0050	0.00077	mg/L		02/17/26 14:00	02/18/26 17:44	1
Beryllium	ND		0.0010	0.00027	mg/L		02/17/26 14:00	02/18/26 17:44	1
Cadmium	ND		0.0010	0.000077	mg/L		02/17/26 14:00	02/18/26 17:44	1
Cobalt	ND		0.0010	0.000086	mg/L		02/17/26 14:00	02/18/26 17:44	1
Chromium	ND		0.0050	0.0012	mg/L		02/17/26 14:00	02/18/26 17:44	1
Copper	ND		0.0020	0.0017	mg/L		02/17/26 14:00	02/18/26 17:44	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/17/26 14:00	02/18/26 17:44	1
Nickel	ND		0.0020	0.0015	mg/L		02/17/26 14:00	02/18/26 17:44	1
Lead	ND		0.0010	0.00045	mg/L		02/17/26 14:00	02/18/26 17:44	1
Antimony	ND		0.0020	0.00057	mg/L		02/17/26 14:00	02/18/26 17:44	1
Selenium	ND		0.0050	0.00089	mg/L		02/17/26 14:00	02/18/26 17:44	1
Thallium	ND		0.0010	0.00051	mg/L		02/17/26 14:00	02/18/26 17:44	1
Vanadium	ND		0.0050	0.00082	mg/L		02/17/26 14:00	02/18/26 17:44	1
Boron	ND		20	16	ug/L		02/17/26 14:00	02/20/26 12:50	1
Calcium	ND		1.0	0.25	mg/L		02/17/26 14:00	02/18/26 17:44	1
Magnesium	ND		1.0	0.061	mg/L		02/17/26 14:00	02/18/26 17:44	1
Lithium	ND		0.0080	0.0034	mg/L		02/17/26 14:00	02/18/26 17:44	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		02/20/26 15:29	02/25/26 22:49	1
Zinc	ND		0.0070	0.00093	mg/L		02/20/26 15:29	02/25/26 22:49	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		33	33	mg/L			02/23/26 05:23	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/17/26 14:00	02/18/26 12:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/18/26 17:46	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/18/26 17:46	1
Total Dissolved Solids (SM 2540 C-2020)	ND		10	7.8	mg/L			02/18/26 11:20	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/18/26 12:53	1
Chloride (EPA 300.0-1993 R2.1)	ND		1.0	0.13	mg/L			02/18/26 14:56	1
Fluoride (EPA 300.0-1993 R2.1)	ND		0.050	0.024	mg/L			02/18/26 14:56	1
Sulfate (EPA 300.0-1993 R2.1)	ND		1.0	0.35	mg/L			02/18/26 14:56	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 350-12793/1-A
Matrix: Water
Analysis Batch: 12881

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		02/20/26 15:29	02/24/26 21:01	1
Potassium, Dissolved	ND		3.3	0.17	mg/L		02/20/26 15:29	02/24/26 21:01	1
Na	ND		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 21:01	1
Sodium, Dissolved	ND		0.60	0.33	mg/L		02/20/26 15:29	02/24/26 21:01	1

Lab Sample ID: LCS 350-12793/2-A
Matrix: Water
Analysis Batch: 12881

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
K	20.0	18.5		mg/L		93	85 - 115
Potassium, Dissolved	20.0	18.5		mg/L		93	85 - 115
Na	20.0	18.8		mg/L		94	85 - 115
Sodium, Dissolved	20.0	18.8		mg/L		94	85 - 115

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: MB 240-690674/1-A
Matrix: Water
Analysis Batch: 690825

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 690674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/17/26 14:00	02/18/26 10:42	1
Silver, Dissolved	ND		0.0010	0.000053	mg/L		02/17/26 14:00	02/18/26 10:42	1
Arsenic	ND		0.0050	0.00075	mg/L		02/17/26 14:00	02/18/26 10:42	1
Arsenic, Dissolved	ND		0.0050	0.00075	mg/L		02/17/26 14:00	02/18/26 10:42	1
Barium	ND		0.0050	0.00077	mg/L		02/17/26 14:00	02/18/26 10:42	1
Barium, Dissolved	ND		0.0050	0.00077	mg/L		02/17/26 14:00	02/18/26 10:42	1
Beryllium	ND		0.0010	0.00027	mg/L		02/17/26 14:00	02/18/26 10:42	1
Beryllium, Dissolved	ND		0.0010	0.00027	mg/L		02/17/26 14:00	02/18/26 10:42	1
Cadmium	ND		0.0010	0.000077	mg/L		02/17/26 14:00	02/18/26 10:42	1
Cadmium, Dissolved	ND		0.0010	0.000077	mg/L		02/17/26 14:00	02/18/26 10:42	1
Cobalt	ND		0.0010	0.000086	mg/L		02/17/26 14:00	02/18/26 10:42	1
Cobalt, Dissolved	ND		0.0010	0.000086	mg/L		02/17/26 14:00	02/18/26 10:42	1
Chromium	ND		0.0050	0.0012	mg/L		02/17/26 14:00	02/18/26 10:42	1
Chromium, Dissolved	ND		0.0050	0.0012	mg/L		02/17/26 14:00	02/18/26 10:42	1
Copper	ND		0.0020	0.0017	mg/L		02/17/26 14:00	02/18/26 10:42	1
Copper, Dissolved	ND		0.0020	0.0017	mg/L		02/17/26 14:00	02/18/26 10:42	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/17/26 14:00	02/18/26 10:42	1
Molybdenum, Dissolved	ND		0.0050	0.0011	mg/L		02/17/26 14:00	02/18/26 10:42	1
Nickel	ND		0.0020	0.0015	mg/L		02/17/26 14:00	02/18/26 10:42	1
Nickel, Dissolved	ND		0.0020	0.0015	mg/L		02/17/26 14:00	02/18/26 10:42	1
Lead	ND		0.0010	0.00045	mg/L		02/17/26 14:00	02/18/26 10:42	1
Lead, Dissolved	ND		0.0010	0.00045	mg/L		02/17/26 14:00	02/18/26 10:42	1
Antimony	ND		0.0020	0.00057	mg/L		02/17/26 14:00	02/18/26 10:42	1
Antimony, Dissolved	ND		0.0020	0.00057	mg/L		02/17/26 14:00	02/18/26 10:42	1
Selenium	ND		0.0050	0.00089	mg/L		02/17/26 14:00	02/18/26 10:42	1
Selenium, Dissolved	ND		0.0050	0.00089	mg/L		02/17/26 14:00	02/18/26 10:42	1
Thallium	ND		0.0010	0.00051	mg/L		02/17/26 14:00	02/18/26 10:42	1

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-690674/1-A
Matrix: Water
Analysis Batch: 690825

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 690674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium, Dissolved	ND		0.0010	0.00051	mg/L		02/17/26 14:00	02/18/26 10:42	1
Vanadium	ND		0.0050	0.00082	mg/L		02/17/26 14:00	02/18/26 10:42	1
Vanadium, Dissolved	ND		0.0050	0.00082	mg/L		02/17/26 14:00	02/18/26 10:42	1
Boron	ND		20	16	ug/L		02/17/26 14:00	02/18/26 10:42	1
Boron, Dissolved	ND		20	16	ug/L		02/17/26 14:00	02/18/26 10:42	1
Calcium	ND		1.0	0.25	mg/L		02/17/26 14:00	02/18/26 10:42	1
Calcium, Dissolved	ND		1.0	0.25	mg/L		02/17/26 14:00	02/18/26 10:42	1
Magnesium	ND		1.0	0.061	mg/L		02/17/26 14:00	02/18/26 10:42	1
Magnesium, Dissolved	ND		1.0	0.061	mg/L		02/17/26 14:00	02/18/26 10:42	1
Lithium	ND		0.0080	0.0034	mg/L		02/17/26 14:00	02/18/26 10:42	1
Lithium, Dissolved	ND		0.0080	0.0034	mg/L		02/17/26 14:00	02/18/26 10:42	1

Lab Sample ID: LCS 240-690674/2-A
Matrix: Water
Analysis Batch: 690825

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 690674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.100	0.0952		mg/L		95	85 - 115
Silver, Dissolved	0.100	0.0952		mg/L		95	85 - 115
Arsenic	1.00	0.971		mg/L		97	85 - 115
Arsenic, Dissolved	1.00	0.971		mg/L		97	85 - 115
Barium	1.00	0.990		mg/L		99	85 - 115
Barium, Dissolved	1.00	0.990		mg/L		99	85 - 115
Beryllium	0.500	0.500		mg/L		100	85 - 115
Beryllium, Dissolved	0.500	0.500		mg/L		100	85 - 115
Cadmium	0.500	0.487		mg/L		97	85 - 115
Cadmium, Dissolved	0.500	0.487		mg/L		97	85 - 115
Cobalt	0.500	0.488		mg/L		98	85 - 115
Cobalt, Dissolved	0.500	0.488		mg/L		98	85 - 115
Chromium	0.500	0.491		mg/L		98	85 - 115
Chromium, Dissolved	0.500	0.491		mg/L		98	85 - 115
Copper	0.500	0.480		mg/L		96	85 - 115
Copper, Dissolved	0.500	0.480		mg/L		96	85 - 115
Molybdenum	0.500	0.497		mg/L		99	85 - 115
Molybdenum, Dissolved	0.500	0.497		mg/L		99	85 - 115
Nickel	0.500	0.479		mg/L		96	85 - 115
Nickel, Dissolved	0.500	0.479		mg/L		96	85 - 115
Lead	0.500	0.499		mg/L		100	85 - 115
Lead, Dissolved	0.500	0.499		mg/L		100	85 - 115
Antimony	0.100	0.0974		mg/L		97	85 - 115
Antimony, Dissolved	0.100	0.0974		mg/L		97	85 - 115
Selenium	1.00	0.995		mg/L		100	85 - 115
Selenium, Dissolved	1.00	0.995		mg/L		100	85 - 115
Thallium	1.00	1.02		mg/L		102	85 - 115
Thallium, Dissolved	1.00	1.02		mg/L		102	85 - 115
Vanadium	0.500	0.499		mg/L		100	85 - 115
Vanadium, Dissolved	0.500	0.499		mg/L		100	85 - 115
Boron	100	98.3		ug/L		98	85 - 115
Boron, Dissolved	100	98.3		ug/L		98	85 - 115

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-690674/2-A
Matrix: Water
Analysis Batch: 690825

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 690674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	25.0	24.8		mg/L		99	85 - 115
Calcium, Dissolved	25.0	24.8		mg/L		99	85 - 115
Magnesium	25.0	25.2		mg/L		101	85 - 115
Magnesium, Dissolved	25.0	25.2		mg/L		101	85 - 115
Lithium	0.500	0.499		mg/L		100	85 - 115
Lithium, Dissolved	0.500	0.499		mg/L		100	85 - 115

Lab Sample ID: 240-243264-1 MS
Matrix: Water
Analysis Batch: 690825

Client Sample ID: L602184-01 MW-5
Prep Type: Total Recoverable
Prep Batch: 690674

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	ND		0.100	0.0995		mg/L		100	70 - 130
Arsenic	ND		1.00	0.993		mg/L		99	70 - 130
Barium	0.041		1.00	1.04		mg/L		100	70 - 130
Beryllium	ND		0.500	0.496		mg/L		99	70 - 130
Cadmium	ND		0.500	0.502		mg/L		100	70 - 130
Cobalt	0.00032	J	0.500	0.494		mg/L		99	70 - 130
Chromium	ND		0.500	0.507		mg/L		101	70 - 130
Copper	ND		0.500	0.485		mg/L		97	70 - 130
Molybdenum	0.062		0.500	0.587		mg/L		105	70 - 130
Nickel	0.0033		0.500	0.487		mg/L		97	70 - 130
Lead	ND		0.500	0.516		mg/L		103	70 - 130
Antimony	ND		0.100	0.102		mg/L		102	70 - 130
Selenium	0.00097	J	1.00	1.01		mg/L		101	70 - 130
Thallium	ND		1.00	1.06		mg/L		106	70 - 130
Vanadium	0.00090	J	0.500	0.516		mg/L		103	70 - 130
Calcium	130		25.0	161	4	mg/L		122	70 - 130
Magnesium	29		25.0	55.2		mg/L		105	70 - 130
Lithium	0.052		0.500	0.576		mg/L		105	70 - 130

Lab Sample ID: 240-243264-1 MS
Matrix: Water
Analysis Batch: 691079

Client Sample ID: L602184-01 MW-5
Prep Type: Total Recoverable
Prep Batch: 690674

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	3100		100	3320	4	ug/L		187	70 - 130

Lab Sample ID: 240-243264-1 MSD
Matrix: Water
Analysis Batch: 690825

Client Sample ID: L602184-01 MW-5
Prep Type: Total Recoverable
Prep Batch: 690674

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	ND		0.100	0.0965		mg/L		96	70 - 130	3	20
Arsenic	ND		1.00	0.960		mg/L		96	70 - 130	3	20
Barium	0.041		1.00	1.01		mg/L		97	70 - 130	2	20
Beryllium	ND		0.500	0.488		mg/L		98	70 - 130	2	20
Cadmium	ND		0.500	0.486		mg/L		97	70 - 130	3	20
Cobalt	0.00032	J	0.500	0.481		mg/L		96	70 - 130	3	20

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-243264-1 MSD
Matrix: Water
Analysis Batch: 690825

Client Sample ID: L602184-01 MW-5
Prep Type: Total Recoverable
Prep Batch: 690674

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	ND		0.500	0.495		mg/L		99	70 - 130	2	20
Copper	ND		0.500	0.473		mg/L		95	70 - 130	3	20
Molybdenum	0.062		0.500	0.568		mg/L		101	70 - 130	3	20
Nickel	0.0033		0.500	0.473		mg/L		94	70 - 130	3	20
Lead	ND		0.500	0.501		mg/L		100	70 - 130	3	20
Antimony	ND		0.100	0.0993		mg/L		99	70 - 130	2	20
Selenium	0.00097	J	1.00	0.979		mg/L		98	70 - 130	3	20
Thallium	ND		1.00	1.03		mg/L		103	70 - 130	3	20
Vanadium	0.00090	J	0.500	0.502		mg/L		100	70 - 130	3	20
Calcium	130		25.0	155	4	mg/L		99	70 - 130	4	20
Magnesium	29		25.0	53.5		mg/L		98	70 - 130	3	20
Lithium	0.052		0.500	0.557		mg/L		101	70 - 130	3	20

Lab Sample ID: 240-243264-1 MSD
Matrix: Water
Analysis Batch: 691079

Client Sample ID: L602184-01 MW-5
Prep Type: Total Recoverable
Prep Batch: 690674

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	3100		100	3280	4	ug/L		144	70 - 130	1	20

Lab Sample ID: 240-243264-1 MS
Matrix: Water
Analysis Batch: 690825

Client Sample ID: L602184-01 MW-5
Prep Type: Dissolved
Prep Batch: 690674

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver, Dissolved	ND		100	98.2		ug/L		98	70 - 130
Arsenic, Dissolved	ND		1000	988		ug/L		99	70 - 130
Barium, Dissolved	39		1000	1030		ug/L		99	70 - 130
Beryllium, Dissolved	ND		500	494		ug/L		99	70 - 130
Cadmium, Dissolved	0.17	J	500	500		ug/L		100	70 - 130
Cobalt, Dissolved	0.24	J	500	490		ug/L		98	70 - 130
Chromium, Dissolved	ND		500	505		ug/L		101	70 - 130
Copper, Dissolved	ND		500	484		ug/L		97	70 - 130
Molybdenum, Dissolved	67		500	585		ug/L		104	70 - 130
Nickel, Dissolved	2.9		500	480		ug/L		95	70 - 130
Lead, Dissolved	ND		500	513		ug/L		103	70 - 130
Antimony, Dissolved	ND		100	101		ug/L		101	70 - 130
Selenium, Dissolved	0.94	J	1000	997		ug/L		100	70 - 130
Thallium, Dissolved	0.62	J	1000	1050		ug/L		105	70 - 130
Vanadium, Dissolved	ND		500	515		ug/L		103	70 - 130
Calcium, Dissolved	130000		25000	154000	4	ug/L		102	70 - 130
Magnesium, Dissolved	28000		25000	52600		ug/L		100	70 - 130
Lithium, Dissolved	60		500	586		ug/L		105	70 - 130

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-243264-1 MS
Matrix: Water
Analysis Batch: 691079

Client Sample ID: L602184-01 MW-5
Prep Type: Dissolved
Prep Batch: 690674

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron, Dissolved	2900		100	2950	4	ug/L		83	70 - 130		

Lab Sample ID: 240-243264-1 MSD
Matrix: Water
Analysis Batch: 690825

Client Sample ID: L602184-01 MW-5
Prep Type: Dissolved
Prep Batch: 690674

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver, Dissolved	ND		100	96.9		ug/L		97	70 - 130	1	20
Arsenic, Dissolved	ND		1000	979		ug/L		98	70 - 130	1	20
Barium, Dissolved	39		1000	1030		ug/L		99	70 - 130	0	20
Beryllium, Dissolved	ND		500	495		ug/L		99	70 - 130	0	20
Cadmium, Dissolved	0.17	J	500	497		ug/L		99	70 - 130	1	20
Cobalt, Dissolved	0.24	J	500	487		ug/L		97	70 - 130	1	20
Chromium, Dissolved	ND		500	502		ug/L		100	70 - 130	1	20
Copper, Dissolved	ND		500	480		ug/L		96	70 - 130	1	20
Molybdenum, Dissolved	67		500	581		ug/L		103	70 - 130	1	20
Nickel, Dissolved	2.9		500	478		ug/L		95	70 - 130	0	20
Lead, Dissolved	ND		500	507		ug/L		101	70 - 130	1	20
Antimony, Dissolved	ND		100	101		ug/L		101	70 - 130	0	20
Selenium, Dissolved	0.94	J	1000	993		ug/L		99	70 - 130	0	20
Thallium, Dissolved	0.62	J	1000	1040		ug/L		104	70 - 130	1	20
Vanadium, Dissolved	ND		500	506		ug/L		101	70 - 130	2	20
Calcium, Dissolved	130000		25000	153000	4	ug/L		98	70 - 130	1	20
Magnesium, Dissolved	28000		25000	51900		ug/L		97	70 - 130	1	20
Lithium, Dissolved	60		500	574		ug/L		103	70 - 130	2	20

Lab Sample ID: 240-243264-1 MSD
Matrix: Water
Analysis Batch: 691079

Client Sample ID: L602184-01 MW-5
Prep Type: Dissolved
Prep Batch: 690674

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron, Dissolved	2900		100	2970	4	ug/L		103	70 - 130	1	20

Method: 245.1-1994 R3.0 - Mercury (CVAA)

Lab Sample ID: MB 240-690688/1-A
Matrix: Water
Analysis Batch: 690833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/17/26 14:00	02/18/26 12:23	1
Mercury, Dissolved	ND		0.00020	0.00013	mg/L		02/17/26 14:00	02/18/26 12:23	1

Lab Sample ID: LCS 240-690688/2-A
Matrix: Water
Analysis Batch: 690833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690688

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00500	0.00495		mg/L		99	85 - 115		
Mercury, Dissolved			0.00500	0.00495		mg/L		99	85 - 115		

Method: 245.1-1994 R3.0 - Mercury (CVAA)

Lab Sample ID: 240-243264-1 MS
Matrix: Water
Analysis Batch: 690833

Client Sample ID: L602184-01 MW-5
Prep Type: Total/NA
Prep Batch: 690688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.00101		mg/L		101	70 - 130

Lab Sample ID: 240-243264-1 MSD
Matrix: Water
Analysis Batch: 690833

Client Sample ID: L602184-01 MW-5
Prep Type: Total/NA
Prep Batch: 690688

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00103		mg/L		103	70 - 130	2	20

Lab Sample ID: 240-243264-1 MS
Matrix: Water
Analysis Batch: 690833

Client Sample ID: L602184-01 MW-5
Prep Type: Dissolved
Prep Batch: 690688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	ND		1.00	1.00		ug/L		100	70 - 130

Lab Sample ID: 240-243264-1 MSD
Matrix: Water
Analysis Batch: 690833

Client Sample ID: L602184-01 MW-5
Prep Type: Dissolved
Prep Batch: 690688

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury, Dissolved	ND		1.00	1.08		ug/L		108	70 - 130	8	20

Method: 2320 B-2021 - Alkalinity

Lab Sample ID: MB 240-690880/19
Matrix: Water
Analysis Batch: 690880

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/18/26 16:47	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/18/26 16:47	1

Lab Sample ID: MB 240-690880/5
Matrix: Water
Analysis Batch: 690880

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/18/26 15:05	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/18/26 15:05	1

Lab Sample ID: 240-243264-5 DU
Matrix: Water
Analysis Batch: 690880

Client Sample ID: L602184-05 MW-19A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity as CaCO3	390		388		mg/L		0.4	20
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	20

Method: 2540 C-2020 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-690796/1
Matrix: Water
Analysis Batch: 690796

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			02/18/26 11:20	1

Lab Sample ID: LCS 240-690796/2
Matrix: Water
Analysis Batch: 690796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	500	473		mg/L		95	80 - 120

Method: 2540D-2020 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-690812/1
Matrix: Water
Analysis Batch: 690812

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			02/18/26 12:03	1

Lab Sample ID: LCS 240-690812/2
Matrix: Water
Analysis Batch: 690812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	500	490		mg/L		98	64 - 120

Lab Sample ID: MB 240-690823/1
Matrix: Water
Analysis Batch: 690823

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			02/18/26 12:53	1

Lab Sample ID: LCS 240-690823/2
Matrix: Water
Analysis Batch: 690823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	500	372		mg/L		74	64 - 120

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 240-690781/3
Matrix: Water
Analysis Batch: 690781

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.13	mg/L			02/18/26 12:22	1
Fluoride	ND		0.050	0.024	mg/L			02/18/26 12:22	1
Sulfate	ND		1.0	0.35	mg/L			02/18/26 12:22	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 240-690781/4
Matrix: Water
Analysis Batch: 690781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	51.9		mg/L		104	90 - 110
Fluoride	2.50	2.60		mg/L		104	90 - 110
Sulfate	50.0	53.1		mg/L		106	90 - 110

Lab Sample ID: 240-243264-7 MS
Matrix: Water
Analysis Batch: 690781

Client Sample ID: L602184-07 MW-19C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.8		50.0	54.0		mg/L		104	80 - 120
Fluoride	0.42		2.50	2.91		mg/L		100	80 - 120
Sulfate	0.68	J	50.0	53.6		mg/L		106	80 - 120

Lab Sample ID: 240-243264-7 MSD
Matrix: Water
Analysis Batch: 690781

Client Sample ID: L602184-07 MW-19C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.8		50.0	55.0		mg/L		106	80 - 120	2	15
Fluoride	0.42		2.50	2.95		mg/L		101	80 - 120	2	15
Sulfate	0.68	J	50.0	54.7		mg/L		108	80 - 120	2	15

Metals

Prep Batch: 12793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Dissolved	Water	200.7	
240-243264-1	L602184-01 MW-5	Total/NA	Water	200.8	
240-243264-2	L602184-02 MW-7	Total/NA	Water	200.8	
240-243264-3	L602184-03 MW-12	Dissolved	Water	200.7	
240-243264-3	L602184-03 MW-12	Total/NA	Water	200.8	
240-243264-4	L602184-04 MW-14	Total/NA	Water	200.8	
240-243264-5	L602184-05 MW-19A	Total/NA	Water	200.8	
240-243264-6	L602184-06 MW-19B	Total/NA	Water	200.8	
240-243264-7	L602184-07 MW-19C	Total/NA	Water	200.8	
240-243264-8	L602184-08 MW-19D	Total/NA	Water	200.8	
240-243264-9	L602184-09 MWT-7	Total/NA	Water	200.8	
240-243264-10	L602184-10 FIELD BLANK	Total/NA	Water	200.8	
MB 350-12793/1-A	Method Blank	Total/NA	Water	200.8	
LCS 350-12793/2-A	Lab Control Sample	Total/NA	Water	200.8	

Analysis Batch: 12881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Dissolved	Water	200.7 Rev 4.4	12793
240-243264-1	L602184-01 MW-5	Total/NA	Water	200.7 Rev 4.4	12793
240-243264-2	L602184-02 MW-7	Total/NA	Water	200.7 Rev 4.4	12793
240-243264-3	L602184-03 MW-12	Dissolved	Water	200.7 Rev 4.4	12793
240-243264-3	L602184-03 MW-12	Total/NA	Water	200.7 Rev 4.4	12793
240-243264-4	L602184-04 MW-14	Total/NA	Water	200.7 Rev 4.4	12793
240-243264-5	L602184-05 MW-19A	Total/NA	Water	200.7 Rev 4.4	12793
240-243264-6	L602184-06 MW-19B	Total/NA	Water	200.7 Rev 4.4	12793
240-243264-7	L602184-07 MW-19C	Total/NA	Water	200.7 Rev 4.4	12793
240-243264-8	L602184-08 MW-19D	Total/NA	Water	200.7 Rev 4.4	12793
240-243264-9	L602184-09 MWT-7	Total/NA	Water	200.7 Rev 4.4	12793
240-243264-10	L602184-10 FIELD BLANK	Total/NA	Water	200.7 Rev 4.4	12793
MB 350-12793/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	12793
LCS 350-12793/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	12793

Analysis Batch: 12889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Dissolved	Water	200.8	12793
240-243264-1	L602184-01 MW-5	Total/NA	Water	200.8	12793
240-243264-2	L602184-02 MW-7	Total/NA	Water	200.8	12793
240-243264-3	L602184-03 MW-12	Dissolved	Water	200.8	12793
240-243264-3	L602184-03 MW-12	Total/NA	Water	200.8	12793
240-243264-4	L602184-04 MW-14	Total/NA	Water	200.8	12793
240-243264-4	L602184-04 MW-14	Total/NA	Water	200.8	12793
240-243264-5	L602184-05 MW-19A	Total/NA	Water	200.8	12793
240-243264-6	L602184-06 MW-19B	Total/NA	Water	200.8	12793
240-243264-7	L602184-07 MW-19C	Total/NA	Water	200.8	12793
240-243264-8	L602184-08 MW-19D	Total/NA	Water	200.8	12793
240-243264-9	L602184-09 MWT-7	Total/NA	Water	200.8	12793
240-243264-10	L602184-10 FIELD BLANK	Total/NA	Water	200.8	12793

Prep Batch: 690674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Dissolved	Water	200.8-1994 R5.4	

Metals (Continued)

Prep Batch: 690674 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Total Recoverable	Water	200.8-1994 R5.4	
240-243264-2	L602184-02 MW-7	Total Recoverable	Water	200.8-1994 R5.4	
240-243264-3	L602184-03 MW-12	Dissolved	Water	200.8-1994 R5.4	
240-243264-3	L602184-03 MW-12	Total Recoverable	Water	200.8-1994 R5.4	
240-243264-4	L602184-04 MW-14	Total Recoverable	Water	200.8-1994 R5.4	
240-243264-5	L602184-05 MW-19A	Total Recoverable	Water	200.8-1994 R5.4	
240-243264-6	L602184-06 MW-19B	Total Recoverable	Water	200.8-1994 R5.4	
240-243264-7	L602184-07 MW-19C	Total Recoverable	Water	200.8-1994 R5.4	
240-243264-8	L602184-08 MW-19D	Total Recoverable	Water	200.8-1994 R5.4	
240-243264-9	L602184-09 MWT-7	Total Recoverable	Water	200.8-1994 R5.4	
240-243264-10	L602184-10 FIELD BLANK	Total Recoverable	Water	200.8-1994 R5.4	
MB 240-690674/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-690674/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	
240-243264-1 MS	L602184-01 MW-5	Dissolved	Water	200.8-1994 R5.4	
240-243264-1 MS	L602184-01 MW-5	Total Recoverable	Water	200.8-1994 R5.4	
240-243264-1 MSD	L602184-01 MW-5	Dissolved	Water	200.8-1994 R5.4	
240-243264-1 MSD	L602184-01 MW-5	Total Recoverable	Water	200.8-1994 R5.4	

Prep Batch: 690688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Dissolved	Water	245.1-1994 R3.0	
240-243264-1	L602184-01 MW-5	Total/NA	Water	245.1-1994 R3.0	
240-243264-2	L602184-02 MW-7	Total/NA	Water	245.1-1994 R3.0	
240-243264-3	L602184-03 MW-12	Dissolved	Water	245.1-1994 R3.0	
240-243264-3	L602184-03 MW-12	Total/NA	Water	245.1-1994 R3.0	
240-243264-4	L602184-04 MW-14	Total/NA	Water	245.1-1994 R3.0	
240-243264-5	L602184-05 MW-19A	Total/NA	Water	245.1-1994 R3.0	
240-243264-6	L602184-06 MW-19B	Total/NA	Water	245.1-1994 R3.0	
240-243264-7	L602184-07 MW-19C	Total/NA	Water	245.1-1994 R3.0	
240-243264-8	L602184-08 MW-19D	Total/NA	Water	245.1-1994 R3.0	
240-243264-9	L602184-09 MWT-7	Total/NA	Water	245.1-1994 R3.0	
240-243264-10	L602184-10 FIELD BLANK	Total/NA	Water	245.1-1994 R3.0	
MB 240-690688/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	
LCS 240-690688/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	
240-243264-1 MS	L602184-01 MW-5	Dissolved	Water	245.1-1994 R3.0	
240-243264-1 MS	L602184-01 MW-5	Total/NA	Water	245.1-1994 R3.0	
240-243264-1 MSD	L602184-01 MW-5	Dissolved	Water	245.1-1994 R3.0	
240-243264-1 MSD	L602184-01 MW-5	Total/NA	Water	245.1-1994 R3.0	

Analysis Batch: 690825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Dissolved	Water	200.8-1994 R5.4	690674
240-243264-1	L602184-01 MW-5	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-2	L602184-02 MW-7	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-3	L602184-03 MW-12	Dissolved	Water	200.8-1994 R5.4	690674
240-243264-3	L602184-03 MW-12	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-4	L602184-04 MW-14	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-5	L602184-05 MW-19A	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-6	L602184-06 MW-19B	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-7	L602184-07 MW-19C	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-8	L602184-08 MW-19D	Total Recoverable	Water	200.8-1994 R5.4	690674

Metals (Continued)

Analysis Batch: 690825 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-9	L602184-09 MWT-7	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-10	L602184-10 FIELD BLANK	Total Recoverable	Water	200.8-1994 R5.4	690674
MB 240-690674/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	690674
LCS 240-690674/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-1 MS	L602184-01 MW-5	Dissolved	Water	200.8-1994 R5.4	690674
240-243264-1 MS	L602184-01 MW-5	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-1 MSD	L602184-01 MW-5	Dissolved	Water	200.8-1994 R5.4	690674
240-243264-1 MSD	L602184-01 MW-5	Total Recoverable	Water	200.8-1994 R5.4	690674

Analysis Batch: 690833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Dissolved	Water	245.1-1994 R3.0	690688
240-243264-1	L602184-01 MW-5	Total/NA	Water	245.1-1994 R3.0	690688
240-243264-2	L602184-02 MW-7	Total/NA	Water	245.1-1994 R3.0	690688
240-243264-3	L602184-03 MW-12	Dissolved	Water	245.1-1994 R3.0	690688
240-243264-3	L602184-03 MW-12	Total/NA	Water	245.1-1994 R3.0	690688
240-243264-4	L602184-04 MW-14	Total/NA	Water	245.1-1994 R3.0	690688
240-243264-5	L602184-05 MW-19A	Total/NA	Water	245.1-1994 R3.0	690688
240-243264-6	L602184-06 MW-19B	Total/NA	Water	245.1-1994 R3.0	690688
240-243264-7	L602184-07 MW-19C	Total/NA	Water	245.1-1994 R3.0	690688
240-243264-8	L602184-08 MW-19D	Total/NA	Water	245.1-1994 R3.0	690688
240-243264-9	L602184-09 MWT-7	Total/NA	Water	245.1-1994 R3.0	690688
240-243264-10	L602184-10 FIELD BLANK	Total/NA	Water	245.1-1994 R3.0	690688
MB 240-690688/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	690688
LCS 240-690688/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	690688
240-243264-1 MS	L602184-01 MW-5	Dissolved	Water	245.1-1994 R3.0	690688
240-243264-1 MS	L602184-01 MW-5	Total/NA	Water	245.1-1994 R3.0	690688
240-243264-1 MSD	L602184-01 MW-5	Dissolved	Water	245.1-1994 R3.0	690688
240-243264-1 MSD	L602184-01 MW-5	Total/NA	Water	245.1-1994 R3.0	690688

Analysis Batch: 691079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Dissolved	Water	200.8-1994 R5.4	690674
240-243264-1	L602184-01 MW-5	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-2	L602184-02 MW-7	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-3	L602184-03 MW-12	Dissolved	Water	200.8-1994 R5.4	690674
240-243264-3	L602184-03 MW-12	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-4	L602184-04 MW-14	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-5	L602184-05 MW-19A	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-6	L602184-06 MW-19B	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-7	L602184-07 MW-19C	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-8	L602184-08 MW-19D	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-9	L602184-09 MWT-7	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-10	L602184-10 FIELD BLANK	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-1 MS	L602184-01 MW-5	Dissolved	Water	200.8-1994 R5.4	690674
240-243264-1 MS	L602184-01 MW-5	Total Recoverable	Water	200.8-1994 R5.4	690674
240-243264-1 MSD	L602184-01 MW-5	Dissolved	Water	200.8-1994 R5.4	690674
240-243264-1 MSD	L602184-01 MW-5	Total Recoverable	Water	200.8-1994 R5.4	690674

Metals

Analysis Batch: 691149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Total Recoverable	Water	2340 B-2021	
240-243264-2	L602184-02 MW-7	Total Recoverable	Water	2340 B-2021	
240-243264-3	L602184-03 MW-12	Total Recoverable	Water	2340 B-2021	
240-243264-4	L602184-04 MW-14	Total Recoverable	Water	2340 B-2021	
240-243264-5	L602184-05 MW-19A	Total Recoverable	Water	2340 B-2021	
240-243264-6	L602184-06 MW-19B	Total Recoverable	Water	2340 B-2021	
240-243264-7	L602184-07 MW-19C	Total Recoverable	Water	2340 B-2021	
240-243264-8	L602184-08 MW-19D	Total Recoverable	Water	2340 B-2021	
240-243264-9	L602184-09 MWT-7	Total Recoverable	Water	2340 B-2021	
240-243264-10	L602184-10 FIELD BLANK	Total Recoverable	Water	2340 B-2021	

General Chemistry

Analysis Batch: 690781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Total/NA	Water	300.0-1993 R2.1	
240-243264-1	L602184-01 MW-5	Total/NA	Water	300.0-1993 R2.1	
240-243264-2	L602184-02 MW-7	Total/NA	Water	300.0-1993 R2.1	
240-243264-4	L602184-04 MW-14	Total/NA	Water	300.0-1993 R2.1	
240-243264-5	L602184-05 MW-19A	Total/NA	Water	300.0-1993 R2.1	
240-243264-5	L602184-05 MW-19A	Total/NA	Water	300.0-1993 R2.1	
240-243264-6	L602184-06 MW-19B	Total/NA	Water	300.0-1993 R2.1	
240-243264-6	L602184-06 MW-19B	Total/NA	Water	300.0-1993 R2.1	
240-243264-7	L602184-07 MW-19C	Total/NA	Water	300.0-1993 R2.1	
240-243264-8	L602184-08 MW-19D	Total/NA	Water	300.0-1993 R2.1	
240-243264-9	L602184-09 MWT-7	Total/NA	Water	300.0-1993 R2.1	
240-243264-10	L602184-10 FIELD BLANK	Total/NA	Water	300.0-1993 R2.1	
MB 240-690781/3	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 240-690781/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
240-243264-7 MS	L602184-07 MW-19C	Total/NA	Water	300.0-1993 R2.1	
240-243264-7 MSD	L602184-07 MW-19C	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 690796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Total/NA	Water	2540 C-2020	
240-243264-4	L602184-04 MW-14	Total/NA	Water	2540 C-2020	
240-243264-5	L602184-05 MW-19A	Total/NA	Water	2540 C-2020	
240-243264-6	L602184-06 MW-19B	Total/NA	Water	2540 C-2020	
240-243264-7	L602184-07 MW-19C	Total/NA	Water	2540 C-2020	
240-243264-8	L602184-08 MW-19D	Total/NA	Water	2540 C-2020	
240-243264-9	L602184-09 MWT-7	Total/NA	Water	2540 C-2020	
240-243264-10	L602184-10 FIELD BLANK	Total/NA	Water	2540 C-2020	
MB 240-690796/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-690796/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 690812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Total/NA	Water	2540D-2020	
240-243264-4	L602184-04 MW-14	Total/NA	Water	2540D-2020	
240-243264-5	L602184-05 MW-19A	Total/NA	Water	2540D-2020	
MB 240-690812/1	Method Blank	Total/NA	Water	2540D-2020	

General Chemistry (Continued)

Analysis Batch: 690812 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-690812/2	Lab Control Sample	Total/NA	Water	2540D-2020	

Analysis Batch: 690823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-6	L602184-06 MW-19B	Total/NA	Water	2540D-2020	
240-243264-7	L602184-07 MW-19C	Total/NA	Water	2540D-2020	
240-243264-8	L602184-08 MW-19D	Total/NA	Water	2540D-2020	
240-243264-9	L602184-09 MWT-7	Total/NA	Water	2540D-2020	
240-243264-10	L602184-10 FIELD BLANK	Total/NA	Water	2540D-2020	
MB 240-690823/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-690823/2	Lab Control Sample	Total/NA	Water	2540D-2020	

Analysis Batch: 690880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Total/NA	Water	2320 B-2021	
240-243264-2	L602184-02 MW-7	Total/NA	Water	2320 B-2021	
240-243264-4	L602184-04 MW-14	Total/NA	Water	2320 B-2021	
240-243264-5	L602184-05 MW-19A	Total/NA	Water	2320 B-2021	
240-243264-6	L602184-06 MW-19B	Total/NA	Water	2320 B-2021	
240-243264-7	L602184-07 MW-19C	Total/NA	Water	2320 B-2021	
240-243264-8	L602184-08 MW-19D	Total/NA	Water	2320 B-2021	
240-243264-9	L602184-09 MWT-7	Total/NA	Water	2320 B-2021	
240-243264-10	L602184-10 FIELD BLANK	Total/NA	Water	2320 B-2021	
MB 240-690880/19	Method Blank	Total/NA	Water	2320 B-2021	
MB 240-690880/5	Method Blank	Total/NA	Water	2320 B-2021	
240-243264-5 DU	L602184-05 MW-19A	Total/NA	Water	2320 B-2021	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-1

Client Sample ID: L602184-01 MW-5

Lab Sample ID: 240-243264-1

Date Collected: 02/11/26 17:17

Matrix: Water

Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12793	RMN	EET SSM	02/20/26 15:29
Dissolved	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 21:46
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 21:50
Dissolved	Prep	200.7			12793	RMN	EET SSM	02/20/26 15:29
Dissolved	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:09
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:12
Dissolved	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 17:06
Dissolved	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		20	691079	S4FJ	EET CLE	02/20/26 12:12
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 16:58
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	691079	S4FJ	EET CLE	02/20/26 12:04
Total Recoverable	Analysis	2340 B-2021		1	691149	KLC	EET CLE	02/23/26 05:23
Dissolved	Prep	245.1-1994 R3.0			690688	MN7X	EET CLE	02/17/26 14:00
Dissolved	Analysis	245.1-1994 R3.0		1	690833	TQ6W	EET CLE	02/18/26 12:36
Total/NA	Prep	245.1-1994 R3.0			690688	MN7X	EET CLE	02/17/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690833	TQ6W	EET CLE	02/18/26 12:30
Total/NA	Analysis	2320 B-2021		1	690880	PQD2	EET CLE	02/18/26 16:12
Total/NA	Analysis	2540 C-2020		1	690796	TAV2	EET CLE	02/18/26 11:20
Total/NA	Analysis	2540D-2020		1	690812	TAV2	EET CLE	02/18/26 12:03
Total/NA	Analysis	300.0-1993 R2.1		1	690781	JMR	EET CLE	02/18/26 13:00
Total/NA	Analysis	300.0-1993 R2.1		5	690781	JMR	EET CLE	02/18/26 13:08

Client Sample ID: L602184-02 MW-7

Lab Sample ID: 240-243264-2

Date Collected: 02/11/26 10:00

Matrix: Water

Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 21:53
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:14
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 17:14
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		20	691079	S4FJ	EET CLE	02/20/26 12:20
Total Recoverable	Analysis	2340 B-2021		1	691149	KLC	EET CLE	02/23/26 05:23
Total/NA	Prep	245.1-1994 R3.0			690688	MN7X	EET CLE	02/17/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690833	TQ6W	EET CLE	02/18/26 12:41
Total/NA	Analysis	2320 B-2021		1	690880	PQD2	EET CLE	02/18/26 16:20

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-1

Client Sample ID: L602184-02 MW-7

Lab Sample ID: 240-243264-2

Date Collected: 02/11/26 10:00
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0-1993 R2.1		1	690781	JMR	EET CLE	02/18/26 13:16

Client Sample ID: L602184-03 MW-12

Lab Sample ID: 240-243264-3

Date Collected: 02/11/26 08:00
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12793	RMN	EET SSM	02/20/26 15:29
Dissolved	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 22:07
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 22:03
Dissolved	Prep	200.7			12793	RMN	EET SSM	02/20/26 15:29
Dissolved	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:20
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:17
Dissolved	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 17:25
Dissolved	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691079	S4FJ	EET CLE	02/20/26 12:26
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 17:22
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691079	S4FJ	EET CLE	02/20/26 12:23
Total Recoverable	Analysis	2340 B-2021		1	691149	KLC	EET CLE	02/23/26 05:23
Dissolved	Prep	245.1-1994 R3.0			690688	MN7X	EET CLE	02/17/26 14:00
Dissolved	Analysis	245.1-1994 R3.0		1	690833	TQ6W	EET CLE	02/18/26 12:44
Total/NA	Prep	245.1-1994 R3.0			690688	MN7X	EET CLE	02/17/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690833	TQ6W	EET CLE	02/18/26 12:42

Client Sample ID: L602184-04 MW-14

Lab Sample ID: 240-243264-4

Date Collected: 02/11/26 09:55
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 22:10
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:23
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		5	12889	JLS	EET SSM	02/25/26 22:32
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 17:27
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		10	691079	S4FJ	EET CLE	02/20/26 12:28
Total Recoverable	Analysis	2340 B-2021		1	691149	KLC	EET CLE	02/23/26 05:23

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-1

Client Sample ID: L602184-04 MW-14

Lab Sample ID: 240-243264-4

Date Collected: 02/11/26 09:55
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1-1994 R3.0			690688	MN7X	EET CLE	02/17/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690833	TQ6W	EET CLE	02/18/26 12:46
Total/NA	Analysis	2320 B-2021		1	690880	PQD2	EET CLE	02/18/26 16:28
Total/NA	Analysis	2540 C-2020		1	690796	TAV2	EET CLE	02/18/26 11:20
Total/NA	Analysis	2540D-2020		1	690812	TAV2	EET CLE	02/18/26 12:03
Total/NA	Analysis	300.0-1993 R2.1		1	690781	JMR	EET CLE	02/18/26 13:31

Client Sample ID: L602184-05 MW-19A

Lab Sample ID: 240-243264-5

Date Collected: 02/11/26 17:50
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 22:13
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:35
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 17:30
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		2	691079	S4FJ	EET CLE	02/20/26 12:36
Total Recoverable	Analysis	2340 B-2021		1	691149	KLC	EET CLE	02/23/26 05:23
Total/NA	Prep	245.1-1994 R3.0			690688	MN7X	EET CLE	02/17/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690833	TQ6W	EET CLE	02/18/26 12:51
Total/NA	Analysis	2320 B-2021		1	690880	PQD2	EET CLE	02/18/26 16:52
Total/NA	Analysis	2540 C-2020		1	690796	TAV2	EET CLE	02/18/26 11:20
Total/NA	Analysis	2540D-2020		1	690812	TAV2	EET CLE	02/18/26 12:03
Total/NA	Analysis	300.0-1993 R2.1		1	690781	JMR	EET CLE	02/18/26 14:02
Total/NA	Analysis	300.0-1993 R2.1		5	690781	JMR	EET CLE	02/18/26 14:09

Client Sample ID: L602184-06 MW-19B

Lab Sample ID: 240-243264-6

Date Collected: 02/11/26 16:20
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 22:16
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:37
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 17:33
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		5	691079	S4FJ	EET CLE	02/20/26 12:39
Total Recoverable	Analysis	2340 B-2021		1	691149	KLC	EET CLE	02/23/26 05:23

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-1

Client Sample ID: L602184-06 MW-19B

Lab Sample ID: 240-243264-6

Date Collected: 02/11/26 16:20
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1-1994 R3.0			690688	MN7X	EET CLE	02/17/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690833	TQ6W	EET CLE	02/18/26 12:53
Total/NA	Analysis	2320 B-2021		1	690880	PQD2	EET CLE	02/18/26 17:10
Total/NA	Analysis	2540 C-2020		1	690796	TAV2	EET CLE	02/18/26 11:20
Total/NA	Analysis	2540D-2020		1	690823	TAV2	EET CLE	02/18/26 12:53
Total/NA	Analysis	300.0-1993 R2.1		1	690781	JMR	EET CLE	02/18/26 14:17
Total/NA	Analysis	300.0-1993 R2.1		5	690781	JMR	EET CLE	02/18/26 14:25

Client Sample ID: L602184-07 MW-19C

Lab Sample ID: 240-243264-7

Date Collected: 02/11/26 14:20
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 22:20
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:40
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 17:36
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		10	691079	S4FJ	EET CLE	02/20/26 12:42
Total Recoverable	Analysis	2340 B-2021		1	691149	KLC	EET CLE	02/23/26 05:23
Total/NA	Prep	245.1-1994 R3.0			690688	MN7X	EET CLE	02/17/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690833	TQ6W	EET CLE	02/18/26 12:54
Total/NA	Analysis	2320 B-2021		1	690880	PQD2	EET CLE	02/18/26 17:20
Total/NA	Analysis	2540 C-2020		1	690796	TAV2	EET CLE	02/18/26 11:20
Total/NA	Analysis	2540D-2020		1	690823	TAV2	EET CLE	02/18/26 12:53
Total/NA	Analysis	300.0-1993 R2.1		1	690781	JMR	EET CLE	02/18/26 12:37

Client Sample ID: L602184-08 MW-19D

Lab Sample ID: 240-243264-8

Date Collected: 02/11/26 12:25
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 22:23
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:43
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 17:38
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		5	691079	S4FJ	EET CLE	02/20/26 12:44
Total Recoverable	Analysis	2340 B-2021		1	691149	KLC	EET CLE	02/23/26 05:23

Client Sample ID: L602184-08 MW-19D

Lab Sample ID: 240-243264-8

Date Collected: 02/11/26 12:25

Matrix: Water

Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1-1994 R3.0			690688	MN7X	EET CLE	02/17/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690833	TQ6W	EET CLE	02/18/26 12:56
Total/NA	Analysis	2320 B-2021		1	690880	PQD2	EET CLE	02/18/26 17:29
Total/NA	Analysis	2540 C-2020		1	690796	TAV2	EET CLE	02/18/26 11:20
Total/NA	Analysis	2540D-2020		1	690823	TAV2	EET CLE	02/18/26 12:53
Total/NA	Analysis	300.0-1993 R2.1		1	690781	JMR	EET CLE	02/18/26 14:33

Client Sample ID: L602184-09 MWT-7

Lab Sample ID: 240-243264-9

Date Collected: 02/11/26 10:17

Matrix: Water

Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 22:26
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:46
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 17:41
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		10	691079	S4FJ	EET CLE	02/20/26 12:47
Total Recoverable	Analysis	2340 B-2021		1	691149	KLC	EET CLE	02/23/26 05:23
Total/NA	Prep	245.1-1994 R3.0			690688	MN7X	EET CLE	02/17/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690833	TQ6W	EET CLE	02/18/26 12:58
Total/NA	Analysis	2320 B-2021		1	690880	PQD2	EET CLE	02/18/26 17:39
Total/NA	Analysis	2540 C-2020		1	690796	TAV2	EET CLE	02/18/26 11:20
Total/NA	Analysis	2540D-2020		1	690823	TAV2	EET CLE	02/18/26 12:53
Total/NA	Analysis	300.0-1993 R2.1		1	690781	JMR	EET CLE	02/18/26 14:40

Client Sample ID: L602184-10 FIELD BLANK

Lab Sample ID: 240-243264-10

Date Collected: 02/11/26 07:50

Matrix: Water

Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.7 Rev 4.4		1	12881	JLS	EET SSM	02/24/26 22:30
Total/NA	Prep	200.8			12793	RMN	EET SSM	02/20/26 15:29
Total/NA	Analysis	200.8		1	12889	JLS	EET SSM	02/25/26 22:49
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	690825	S4FJ	EET CLE	02/18/26 17:44
Total Recoverable	Prep	200.8-1994 R5.4			690674	MN7X	EET CLE	02/17/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691079	S4FJ	EET CLE	02/20/26 12:50
Total Recoverable	Analysis	2340 B-2021		1	691149	KLC	EET CLE	02/23/26 05:23
Total/NA	Prep	245.1-1994 R3.0			690688	MN7X	EET CLE	02/17/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	690833	TQ6W	EET CLE	02/18/26 12:59

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-1

Client Sample ID: L602184-10 FIELD BLANK

Lab Sample ID: 240-243264-10

Date Collected: 02/11/26 07:50

Matrix: Water

Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2320 B-2021		1	690880	PQD2	EET CLE	02/18/26 17:46
Total/NA	Analysis	2540 C-2020		1	690796	TAV2	EET CLE	02/18/26 11:20
Total/NA	Analysis	2540D-2020		1	690823	TAV2	EET CLE	02/18/26 12:53
Total/NA	Analysis	300.0-1993 R2.1		1	690781	JMR	EET CLE	02/18/26 14:56

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-1

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-26

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
Arizona	State	AZ0854	01-13-27
California	State	2954	07-07-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	06-30-26
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167	07-07-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-25-24-59583A1	01-24-28
Washington	State	C788	07-13-26
Wisconsin	State	399133460	08-31-26

Chain of Custody

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Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
Dissolved metals filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Project - MNA Tier II Geochem

Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM4500_NO3_D Nitrate [190]	5310C TOC [240]	SM4500_NO2_B Nitrite [190]	SM4500_S2_D Total Sulfide [ROU]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	Voa Vial 40ml - with Sulfuric Acid	Plastic 250ml - with Zinc Acetate & NaOH	Plastic 500ml - w/ Nitric - Dis.	Plastic 1 liter Wide - Unpreserved	Total Bottles For Sample
1	L602185-01 MW-5	Grab	Water	02/11/26 17:17				X	X	X	X	X	3	1	1	1	6
2	L602185-02 MW-7	Grab	Water	02/11/26 10:00				X	X	X	X	X	3	1	1	1	6
3	L602185-03 MW-7D	Grab	Water	02/11/26 12:01				X	X	X	X	X	3	1	1	1	6
4	L602185-04 MW-14	Grab	Water	02/11/26 09:55				X	X	X	X	X	3	1	1	1	6
5	L602185-05 MW-18A	Grab	Water	02/11/26 13:28				X	X	X	X	X	3	1	1	1	6
6	L602185-06 MW-18B	Grab	Water	02/11/26 02:32				X	X	X	X	X	3	1	1	1	6
7	L602185-07 MW-18C	Grab	Water	02/11/26 03:35				X	X	X	X	X	3	1	1	1	6
8	L602185-08 MW-18D	Grab	Water	02/11/26 16:42				X	X	X	X	X	3	1	1	1	6
9	L602185-09 MW-19A	Grab	Water	02/11/26 17:50				X	X	X	X	X	3	1	1	1	6
10	L602185-10 MW-19B	Grab	Water	02/11/26 16:20				X	X	X	X	X	3	1	1	1	6
11	L602185-11 MW-19C	Grab	Water	02/11/26 14:20				X	X	X	X	X	3	1	1	1	6
12	L602185-12 MW-19D	Grab	Water	02/11/26 12:25				X	X	X	X	X	3	1	1	1	6

Chain of Custody Number: **460459**

*H -- Analysis on hold.

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
Dissolved metals filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Project - MNA Tier II Geochem

Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM4500_NO3_D Nitrate [190]	5310C TOC [240]	SM4500_NO2_B Nitrite [190]	SM4500_S2_D Total Sulfide [ROU]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	Voa Vial 40ml - with Sulfuric Acid	Plastic 250ml - with Zinc Acetate & NaOH	Plastic 500ml - w/ Nitric - Dis.	Plastic 1 liter Wide - Unpreserved	Total Bottles For Sample
13	L602185-13 MWT-7	Grab	Water	02/11/26 10:17				X	X	X	X	X	3	1	1	1	6
14	L602185-14 Field Blank	Grab	Water	02/11/26 07:50				X	X	X	X	X	3	1	1	1	6

Methods and Bottles

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) **:** Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:	Samples Received By:	Date/Time:
Jennifer Caporale	02/12/26 09:33	Jennifer Caporale	02/12/26 09:33	Melnichenko, Jon	02/13/26 08:56

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260212A003								
MIC20260212A005								
MIC20260212A005								

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
Dissolved metals filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer

Description:
Erickson Wellfield Project

Site Name:
Erickson Projects

See following pages for Method and Container information.

240-243264 COC

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long
1	L602184-01 MW-5	Grab	Water	02/11/26 17:17			
2	L602184-02 MW-7	Grab	Water	02/11/26 10:17			
3	L602184-03 MW-12	Grab	Water	02/11/26 08:00			
4	L602184-04 MW-14	Grab	Water	02/11/26 09:55			
5	L602184-05 MW-19A	Grab	Water	02/11/26 17:50			
6	L602184-06 MW-19B	Grab	Water	02/11/26 16:20			
7	L602184-07 MW-19C	Grab	Water	02/11/26 14:20			
8	L602184-08 MW-19D	Grab	Water	02/11/26 12:25			
9	L602184-09 MWT-7	Grab	Water	02/11/26 10:17			
10	L602184-10 Field Blank	Grab	Water	02/11/26 07:50			

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By	Date/Time:	Samples Relinquished By	Date/Time:	Samples Received By	Date/Time
Jennifer Caporale	02/12/26 09:34	Jennifer Caporale	02/12/26 09:34	Melnichenko Jon	02/13/26 08:53

Jc 2/13/26 800

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260212A001								
MIC20260212A001								
MIC20260212A001								

Chain of Custody Methods

eurofins | Environment Testing

Samples		Methods																				
#	Sample Name	2320B Bicarbonate & Carbonate Alkalinity [ANY]	2540C_Calcd Total Dissolved Solids [TDS]	245.1 1994 R3.0 / Mercury (CVAA) / Mercury	245.1/245.1_Prep Mercury [MER]	904 0/PrecSep_0 Ra-228 [STD]	200.8 / Metals (ICP/MS) / Custom List 2: 2-3 Metals	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	2540D Solids Total Suspended (TSS) [TSS]	200.8-1994 R5.4 / Metals (ICP/MS) / Project List (19)	300 0_28D Chloride, Fluoride & Sulfate [ANY]	200 8_CWA/200.8_P_TOT Iron & Zinc [M02]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calcula	903.0/PrecSep_21 Ra-226 [STD]	Ra226_228GFPC_P Combined Ra226&228 [160]	200 7 Rev 4.4 / Metals (ICP) / Dissolved Na & K	200 8/200.8_P_TR Project List (18) [C01]					
1	L602184-01 MW-5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
2	L602184-02 MW-7	X	X		X	X		X	X		X	X	X	X	X		X					
3	L602184-03 MW-12			X	X	X	X	X		X		X	X	X	X	X	X					
4	L602184-04 MW-14	X	X		X	X		X	X		X	X	X	X	X		X					
5	L602184-05 MW-19A	X	X		X	X		X	X		X	X	X	X	X		X					
6	L602184-06 MW-19B	X	X		X	X		X	X		X	X	X	X	X		X					
7	L602184-07 MW-19C	X	X		X	X		X	X		X	X	X	X	X		X					
8	L602184-08 MW-19D	X	X		X	X		X	X		X	X	X	X	X		X					
9	L602184-09 MWT-7	X	X		X	X		X	X		X	X	X	X	X		X					
10	L602184-10 Field Blank	X	X		X	X		X	X		X	X	X	X	X		X					

Chain of Custody Bottles

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Bottle Name	Total Bottles
Plastic 250ml with Nitric Acid	10
Plastic 500ml - w/ Nitric - Dis.	2
Plastic 60 mL unpreserved	18
Plastic 1 liter - Nitric Acid	20
Plastic 500ml - unpreserved	9
Plastic 1 liter - unpreserved	9
Plastic 500ml with Nitric Acid	10

Samples	
#	Sample Name
1	L602184-01 MW-5
2	L602184-02 MW-7
3	L602184-03 MW-12
4	L602184-04 MW-14
5	L602184-05 MW-19A
6	L602184-06 MW-19B
7	L602184-07 MW-19C
8	L602184-08 MW-19D
9	L602184-09 MWT-7
10	L602184-10 Field Blank

Bottles																					
Total Bottles For Sample	Plastic 250ml with Nitric Acid	Plastic 500ml w/ Nitric - Dis.	Plastic 60 mL unpreserved	Plastic 1 liter Nitric Acid	Plastic 500ml unpreserved	Plastic 1 liter - unpreserved	Plastic 500ml with Nitric Acid														
9	1	1	2	2	1	1	1														
8	1		2	2	1	1	1														
5	1	1		2			1														
8	1		2	2	1	1	1														
8	1		2	2	1	1	1														
8	1		2	2	1	1	1														
8	1		2	2	1	1	1														
8	1		2	2	1	1	1														
8	1		2	2	1	1	1														
8	1		2	2	1	1	1														

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :_____
Barberton Facility

Client Lansing Board of Water & Light Site Name_____ Cooler unpacked by:

Cooler Received on 2-13-26 Opened on 2-16-26 JC

FedEx: 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other_____

~~Receipt After-hours: Drop-off Date/Time~~ Storage Location

Eurofins Cooler # 2 Foam Box Client Cooler Box Other_____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other_____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☑ See Multiple Cooler Form

IR GUN # 17 (CF -0.5 °C) Observed Cooler Temp.___.___°C Corrected Cooler Temp.___.___°C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	(No)
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(N)
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC567196
14. Were VOAs on the COC?	Yes	(No)
15. Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	(No) NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:

Labels Verified by:

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s):_____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 17	0.5	1.2	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	0.7	1.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	0.1	0.8	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.3	2.0	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.2	1.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	0.4	1.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	

2/17/2026

Login Container Summary Report

240-243264

2/26/2026

Temperature readings. _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602184-01 MW-5	240-243264-J-1	Plastic 60 mL - unpreserved				
L602184-01 MW-5	240-243264-K-1	Plastic 60 mL - unpreserved				
L602184-01 MW-5	240-243264-L-1	Plastic 250ml - with Nitric Acid	<2			
L602184-01 MW-5	240-243264-M-1	Plastic 500ml - unpreserved				
L602184-01 MW-5	240-243264-N-1	Plastic 500ml - with Nitric Acid	<2			
L602184-01 MW-5	240-243264-O-1	Plastic 1 liter - unpreserved				
L602184-01 MW-5	240-243264-P-1	Plastic 1 liter - Nitric Acid	<2			
L602184-01 MW-5	240-243264-Q-1	Plastic 1 liter - Nitric Acid	<2			
L602184-01 MW-5	240-243264-R-1	Plastic 250ml - w/nitric - dis	<2			
L602184-01 MW-5	240-243264-S-1	Plastic 500ml - w/ Nitric - Dis	<2			
L602184-02 MW-7	240-243264-J-2	Plastic 60 mL - unpreserved				
L602184-02 MW-7	240-243264-K-2	Plastic 60 mL - unpreserved				
L602184-02 MW-7	240-243264-L-2	Plastic 250ml - with Nitric Acid	<2			
L602184-02 MW-7	240-243264-M-2	Plastic 500ml - unpreserved				
L602184-02 MW-7	240-243264-N-2	Plastic 500ml - with Nitric Acid	<2			
L602184-02 MW-7	240-243264-O-2	Plastic 1 liter - unpreserved				
L602184-02 MW-7	240-243264-P-2	Plastic 1 liter - Nitric Acid	<2			
L602184-02 MW-7	240-243264-Q-2	Plastic 1 liter - Nitric Acid	<2			
L602184-03 MW-12	240-243264-L-3	Plastic 250ml - with Nitric Acid	<2			
L602184-03 MW-12	240-243264-N-3	Plastic 500ml - with Nitric Acid	<2			
L602184-03 MW-12	240-243264-O-3	Plastic 1 liter - Nitric Acid	<2			
L602184-03 MW-12	240-243264-P-3	Plastic 1 liter - Nitric Acid	<2			
L602184-03 MW-12	240-243264-Q-3	Plastic 250ml - w/nitric - dis	<2			
L602184-03 MW-12	240-243264-R-3	Plastic 500ml - w/ Nitric - Dis.	<2			
L602184-04 MW-14	240-243264-J-4	Plastic 60 mL - unpreserved				
L602184-04 MW-14	240-243264-K-4	Plastic 60 mL - unpreserved				
L602184-04 MW-14	240-243264-L-4	Plastic 250ml - with Nitric Acid	<2			
L602184-04 MW-14	240-243264-M-4	Plastic 500ml - unpreserved				
L602184-04 MW-14	240-243264-N-4	Plastic 500ml - with Nitric Acid	<2			
L602184-04 MW-14	240-243264-O-4	Plastic 1 liter - unpreserved				
L602184-04 MW-14	240-243264-P-4	Plastic 1 liter - Nitric Acid	<2			
L602184-04 MW-14	240-243264-Q-4	Plastic 1 liter - Nitric Acid	<2			
L602184-05 MW-19A	240-243264-J-5	Plastic 60 mL - unpreserved				
L602184-05 MW-19A	240-243264-K-5	Plastic 60 mL - unpreserved				
L602184-05 MW-19A	240-243264-L-5	Plastic 250ml - with Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602184-05 MW-19A	240-243264-M-5	Plastic 500ml - unpreserved				
L602184-05 MW-19A	240-243264-N-5	Plastic 500ml - with Nitric Acid	<2			
L602184-05 MW-19A	240-243264-O-5	Plastic 1 liter - unpreserved				
L602184-05 MW-19A	240-243264-P-5	Plastic 1 liter - Nitric Acid	<2			
L602184-05 MW-19A	240-243264-Q-5	Plastic 1 liter - Nitric Acid	<2			
L602184-06 MW-19B	240-243264-J-6	Plastic 60 mL - unpreserved				
L602184-06 MW-19B	240-243264-K-6	Plastic 60 mL - unpreserved				
L602184-06 MW-19B	240-243264-L-6	Plastic 250ml - with Nitric Acid	<2			
L602184-06 MW-19B	240-243264-M-6	Plastic 500ml - unpreserved				
L602184-06 MW-19B	240-243264-N-6	Plastic 500ml - with Nitric Acid	<2			
L602184-06 MW-19B	240-243264-O-6	Plastic 1 liter - unpreserved				
L602184-06 MW-19B	240-243264-P-6	Plastic 1 liter - Nitric Acid	<2			
L602184-06 MW-19B	240-243264-Q-6	Plastic 1 liter - Nitric Acid	<2			
L602184-07 MW-19C	240-243264-J-7	Plastic 60 mL - unpreserved				
L602184-07 MW-19C	240-243264-K-7	Plastic 60 mL - unpreserved				
L602184-07 MW-19C	240-243264-L-7	Plastic 250ml - with Nitric Acid	<2			
L602184-07 MW-19C	240-243264-M-7	Plastic 500ml - unpreserved				
L602184-07 MW-19C	240-243264-N-7	Plastic 500ml - with Nitric Acid	<2			
L602184-07 MW-19C	240-243264-O-7	Plastic 1 liter - unpreserved				
L602184-07 MW-19C	240-243264-P-7	Plastic 1 liter - Nitric Acid	<2			
L602184-07 MW-19C	240-243264-Q-7	Plastic 1 liter - Nitric Acid	<2			
L602184-08 MW-19D	240-243264-J-8	Plastic 60 mL - unpreserved				
L602184-08 MW-19D	240-243264-K-8	Plastic 60 mL - unpreserved				
L602184-08 MW-19D	240-243264-L-8	Plastic 250ml - with Nitric Acid	<2			
L602184-08 MW-19D	240-243264-M-8	Plastic 500ml - unpreserved				
L602184-08 MW-19D	240-243264-N-8	Plastic 500ml - with Nitric Acid	<2			
L602184-08 MW-19D	240-243264-O-8	Plastic 1 liter - unpreserved				
L602184-08 MW-19D	240-243264-P-8	Plastic 1 liter - Nitric Acid	<2			
L602184-08 MW-19D	240-243264-Q-8	Plastic 1 liter - Nitric Acid	<2			
L602184-09 MWT-7	240-243264-J-9	Plastic 60 mL - unpreserved				
L602184-09 MWT-7	240-243264-K-9	Plastic 60 mL - unpreserved				
L602184-09 MWT-7	240-243264-L-9	Plastic 250ml - with Nitric Acid	<2			
L602184-09 MWT-7	240-243264-M-9	Plastic 500ml - unpreserved				
L602184-09 MWT-7	240-243264-N-9	Plastic 500ml - with Nitric Acid	<2			
L602184-09 MWT-7	240-243264-O-9	Plastic 1 liter - unpreserved				
L602184-09 MWT-7	240-243264-P-9	Plastic 1 liter - Nitric Acid	<2			
L602184-09 MWT-7	240-243264-Q-9	Plastic 1 liter - Nitric Acid	<2			
L602184-10 FIELD BLANK	240-243264-J-10	Plastic 60 mL - unpreserved				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602184-10 FIELD BLANK	240-243264-K-10	Plastic 60 mL - unpreserved				
L602184-10 FIELD BLANK	240-243264-L-10	Plastic 250ml - with Nitric Acid	<2			
L602184-10 FIELD BLANK	240-243264-M-10	Plastic 500ml - unpreserved				
L602184-10 FIELD BLANK	240-243264-N-10	Plastic 500ml - with Nitric Acid	<2			
L602184-10 FIELD BLANK	240-243264-O-10	Plastic 1 liter - unpreserved				
L602184-10 FIELD BLANK	240-243264-P-10	Plastic 1 liter - Nitric Acid	<2			
L602184-10 FIELD BLANK	240-243264-Q-10	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

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2/26/2026

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214248.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-243264-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/26/2026			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Therm. ID: SC02 Cust. Seal: (Y) / N
Uncorr./Corr. Temp: 3.0 / 13.2 °C
Delivery: UPS / (FedEx) / Other: 2
Ice Type: Blue / Dry / Wet / None
Label Ver.: K Packing: B

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7_CWA/200.7_P_TOT(MOD) Iron & Zinc	200.8_CWA/200.8_P_TOT(MOD) Iron & Zinc	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRD(MOD) Iron & Zinc	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
L602184-01 MW-5 (240-243264-1)	2/11/26	17:17 Eastern	G	Water			X	X	X	X	2	
L602184-02 MW-7 (240-243264-2)	2/11/26	10:00 Eastern	G	Water			X	X			2	
L602184-03 MW-12 (240-243264-3)	2/11/26	08:00 Eastern	G	Water			X	X	X	X	2	
L602184-04 MW-14 (240-243264-4)	2/11/26	09:55 Eastern	G	Water			X	X			2	
L602184-05 MW-19A (240-243264-5)	2/11/26	17:50 Eastern	G	Water			X	X			2	
L602184-06 MW-19B (240-243264-6)	2/11/26	16:20 Eastern	G	Water			X	X			2	
L602184-07 MW-19C (240-243264-7)	2/11/26	14:20 Eastern	G	Water			X	X			2	
L602184-08 MW-19D (240-243264-8)	2/11/26	12:25 Eastern	G	Water			X	X			2	
L602184-09 MWT-7 (240-243264-9)	2/11/26	10:17 Eastern	G	Water			X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification: Unconfirmed 4856 1532 7146	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
JS	2/17/26 1500	ET		2/18/26 9:25	FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214248.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-243264-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/26/2026			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7_CWA/200.7_P_TOT(MOD) Iron & Zinc	200.8_CWA/200.8_P_TOT(MOD) Iron & Zinc	200.8_CWA/FIELD_FLTRD(MOD) Custom List 2: 2-3 Metals	200.7_CWA/FIELD_FLTRD(MOD) Iron & Zinc	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
L602184-10 FIELD BLANK (240-243264-10)	2/11/26	07:50 Eastern	G	Water			X	X			2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: JLM	Date/Time: 2/17/26 1500	Company	Received by:	Date/Time: 2/18/26 9:25	Company: FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-243264-1

Login Number: 243264
List Number: 3
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 02/18/26 01:00 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

Generated 3/16/2026 4:32:54 PM

JOB DESCRIPTION

Erickson Wellfield Project

JOB NUMBER

240-243264-2

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

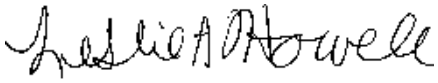
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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3/16/2026 4:32:54 PM

Authorized for release by
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

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Definitions/Glossary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-243264-2 — Eurofins Cleveland

Job Narrative
240-243264-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/13/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.8°C, 1.1°C, 1.2°C, 1.4°C, 1.9°C and 2.0°C.

Gas Flow Proportional Counter
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-243264-1	L602184-01 MW-5	Water	02/11/26 17:17	02/13/26 08:00	Michigan
240-243264-2	L602184-02 MW-7	Water	02/11/26 10:00	02/13/26 08:00	Michigan
240-243264-3	L602184-03 MW-12	Water	02/11/26 08:00	02/13/26 08:00	Michigan
240-243264-4	L602184-04 MW-14	Water	02/11/26 09:55	02/13/26 08:00	Michigan
240-243264-5	L602184-05 MW-19A	Water	02/11/26 17:50	02/13/26 08:00	Michigan
240-243264-6	L602184-06 MW-19B	Water	02/11/26 16:20	02/13/26 08:00	Michigan
240-243264-7	L602184-07 MW-19C	Water	02/11/26 14:20	02/13/26 08:00	Michigan
240-243264-8	L602184-08 MW-19D	Water	02/11/26 12:25	02/13/26 08:00	Michigan
240-243264-9	L602184-09 MWT-7	Water	02/11/26 10:17	02/13/26 08:00	Michigan
240-243264-10	L602184-10 FIELD BLANK	Water	02/11/26 07:50	02/13/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Client Sample ID: L602184-01 MW-5 — **Lab Sample ID: 240-243264-1**

No Detections.

Client Sample ID: L602184-02 MW-7 — **Lab Sample ID: 240-243264-2**

No Detections.

Client Sample ID: L602184-03 MW-12 — **Lab Sample ID: 240-243264-3**

No Detections.

Client Sample ID: L602184-04 MW-14 — **Lab Sample ID: 240-243264-4**

No Detections.

Client Sample ID: L602184-05 MW-19A — **Lab Sample ID: 240-243264-5**

No Detections.

Client Sample ID: L602184-06 MW-19B — **Lab Sample ID: 240-243264-6**

No Detections.

Client Sample ID: L602184-07 MW-19C — **Lab Sample ID: 240-243264-7**

No Detections.

Client Sample ID: L602184-08 MW-19D — **Lab Sample ID: 240-243264-8**

No Detections.

Client Sample ID: L602184-09 MWT-7 — **Lab Sample ID: 240-243264-9**

No Detections.

Client Sample ID: L602184-10 FIELD BLANK — **Lab Sample ID: 240-243264-10**

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Client Sample ID: L602184-01 MW-5
Date Collected: 02/11/26 17:17
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.177		0.0851	0.0866	1.00	0.0816	pCi/L	02/19/26 08:29	03/15/26 19:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*02/19/26 08:29*	*03/15/26 19:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.464	U	0.499	0.501	1.00	0.813	pCi/L	02/19/26 08:33	03/04/26 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:51*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.641	U	0.506	0.508	5.00	0.813	pCi/L		03/16/26 15:15	1

Client Sample ID: L602184-02 MW-7

Date Collected: 02/11/26 10:00
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-2

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.176**		0.0706	0.0723	1.00	0.0635	pCi/L	02/19/26 08:29	03/15/26 19:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.9*		*30 - 110*	*02/19/26 08:29*	*03/15/26 19:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.542	U	0.366	0.370	1.00	0.550	pCi/L	02/19/26 08:33	03/04/26 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.9*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:51*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.718**		0.373	0.377	5.00	0.550	pCi/L		03/16/26 15:15	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Client Sample ID: L602184-03 MW-12

Date Collected: 02/11/26 08:00
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-3

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.258		0.129	0.131	1.00	0.160	pCi/L	02/19/26 08:29	03/16/26 07:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*02/19/26 08:29*	*03/16/26 07:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.05		0.552	0.561	1.00	0.770	pCi/L	02/19/26 08:33	03/04/26 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*
Y Carrier	*79.6*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.31		0.567	0.576	5.00	0.770	pCi/L		03/16/26 15:15	1

Client Sample ID: L602184-04 MW-14
Date Collected: 02/11/26 09:55
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.258		0.143	0.145	1.00	0.195	pCi/L	02/19/26 08:29	03/16/26 07:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.1*		*30 - 110*	*02/19/26 08:29*	*03/16/26 07:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.25		0.655	0.665	1.00	0.937	pCi/L	02/19/26 08:33	03/04/26 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.1*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.51		0.670	0.681	5.00	0.937	pCi/L		03/16/26 15:15	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Client Sample ID: L602184-05 MW-19A

Date Collected: 02/11/26 17:50
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-5

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.282**		0.112	0.115	1.00	0.130	pCi/L	02/19/26 08:29	03/16/26 07:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.9*		*30 - 110*	*02/19/26 08:29*	*03/16/26 07:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.592	U	0.413	0.417	1.00	0.629	pCi/L	02/19/26 08:33	03/04/26 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.9*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*
Y Carrier	*83.0*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.874**		0.428	0.433	5.00	0.629	pCi/L		03/16/26 15:15	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Client Sample ID: L602184-06 MW-19B
Date Collected: 02/11/26 16:20
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-6
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.440		0.125	0.132	1.00	0.102	pCi/L	02/19/26 08:29	03/16/26 07:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.1*		*30 - 110*	*02/19/26 08:29*	*03/16/26 07:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.772		0.412	0.418	1.00	0.572	pCi/L	02/19/26 08:33	03/04/26 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.1*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*
Y Carrier	*79.6*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.21		0.431	0.438	5.00	0.572	pCi/L		03/16/26 15:15	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Client Sample ID: L602184-07 MW-19C
Date Collected: 02/11/26 14:20
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-7
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.356		0.104	0.109	1.00	0.0865	pCi/L	02/19/26 08:29	03/16/26 07:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*02/19/26 08:29*	*03/16/26 07:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.729		0.354	0.361	1.00	0.484	pCi/L	02/19/26 08:33	03/04/26 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.09		0.369	0.377	5.00	0.484	pCi/L		03/16/26 15:15	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Client Sample ID: L602184-08 MW-19D

Date Collected: 02/11/26 12:25
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-8

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.326		0.109	0.113	1.00	0.0968	pCi/L	02/19/26 08:29	03/16/26 07:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.5*		*30 - 110*	*02/19/26 08:29*	*03/16/26 07:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.892		0.458	0.465	1.00	0.644	pCi/L	02/19/26 08:33	03/04/26 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.5*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*
Y Carrier	*80.0*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.22		0.471	0.479	5.00	0.644	pCi/L		03/16/26 15:15	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Client Sample ID: L602184-09 MWT-7
Date Collected: 02/11/26 10:17
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243264-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.523**		0.141	0.148	1.00	0.118	pCi/L	02/19/26 08:29	03/16/26 07:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.4*		*30 - 110*	*02/19/26 08:29*	*03/16/26 07:53*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.608	U	0.415	0.418	1.00	0.621	pCi/L	02/19/26 08:33	03/04/26 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.4*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.13**		0.438	0.443	5.00	0.621	pCi/L		03/16/26 15:15	1

Client Sample ID: L602184-10 FIELD BLANK

Lab Sample ID: 240-243264-10

Date Collected: 02/11/26 07:50

Matrix: Water

Date Received: 02/13/26 08:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0430	U	0.0553	0.0554	1.00	0.0918	pCi/L	02/19/26 08:29	03/16/26 07:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*02/19/26 08:29*	*03/16/26 07:53*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.390	U	0.331	0.333	1.00	0.514	pCi/L	02/19/26 08:33	03/04/26 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*
Y Carrier	*80.4*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.433	U	0.336	0.338	5.00	0.514	pCi/L		03/16/26 15:15	1

Tracer/Carrier Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
240-243264-1	L602184-01 MW-5	80.3
240-243264-2	L602184-02 MW-7	88.9
240-243264-3	L602184-03 MW-12	80.3
240-243264-4	L602184-04 MW-14	78.1
240-243264-5	L602184-05 MW-19A	80.9
240-243264-6	L602184-06 MW-19B	78.1
240-243264-7	L602184-07 MW-19C	93.2
240-243264-8	L602184-08 MW-19D	77.5
240-243264-9	L602184-09 MWT-7	76.4
240-243264-10	L602184-10 FIELD BLANK	86.9
LCS 160-758014/2-A	Lab Control Sample	88.9
MB 160-758014/1-A	Method Blank	82.3

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
240-243264-1	L602184-01 MW-5	80.3	83.4
240-243264-2	L602184-02 MW-7	88.9	81.9
240-243264-3	L602184-03 MW-12	80.3	79.6
240-243264-4	L602184-04 MW-14	78.1	78.9
240-243264-5	L602184-05 MW-19A	80.9	83.0
240-243264-6	L602184-06 MW-19B	78.1	79.6
240-243264-7	L602184-07 MW-19C	93.2	83.4
240-243264-8	L602184-08 MW-19D	77.5	80.0
240-243264-9	L602184-09 MWT-7	76.4	81.5
240-243264-10	L602184-10 FIELD BLANK	86.9	80.4
LCS 160-758015/2-A	Lab Control Sample	88.9	78.1
MB 160-758015/1-A	Method Blank	82.3	81.9

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-758014/1-A
Matrix: Water
Analysis Batch: 761451

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758014

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03961	U	0.0807	0.0808	1.00	0.143	pCi/L	02/19/26 08:29	03/15/26 19:33	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*02/19/26 08:29*	*03/15/26 19:33*	*1*

Lab Sample ID: LCS 160-758014/2-A
Matrix: Water
Analysis Batch: 761451

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758014

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	8.428		0.901	1.00	0.122	pCi/L	88	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*88.9*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-758015/1-A
Matrix: Water
Analysis Batch: 759870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758015

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4616	U	0.421	0.423	1.00	0.670	pCi/L	02/19/26 08:33	03/04/26 11:31	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:31*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/19/26 08:33*	*03/04/26 11:31*	*1*

Lab Sample ID: LCS 160-758015/2-A
Matrix: Water
Analysis Batch: 759870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758015

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.37	11.29		1.51	1.00	0.648	pCi/L	121	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*88.9*		*30 - 110*
Y Carrier	*78.1*		*30 - 110*

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Prep Batch: 758014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Total/NA	Water	PrecSep-21	
240-243264-2	L602184-02 MW-7	Total/NA	Water	PrecSep-21	
240-243264-3	L602184-03 MW-12	Total/NA	Water	PrecSep-21	
240-243264-4	L602184-04 MW-14	Total/NA	Water	PrecSep-21	
240-243264-5	L602184-05 MW-19A	Total/NA	Water	PrecSep-21	
240-243264-6	L602184-06 MW-19B	Total/NA	Water	PrecSep-21	
240-243264-7	L602184-07 MW-19C	Total/NA	Water	PrecSep-21	
240-243264-8	L602184-08 MW-19D	Total/NA	Water	PrecSep-21	
240-243264-9	L602184-09 MWT-7	Total/NA	Water	PrecSep-21	
240-243264-10	L602184-10 FIELD BLANK	Total/NA	Water	PrecSep-21	
MB 160-758014/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-758014/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 758015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243264-1	L602184-01 MW-5	Total/NA	Water	PrecSep_0	
240-243264-2	L602184-02 MW-7	Total/NA	Water	PrecSep_0	
240-243264-3	L602184-03 MW-12	Total/NA	Water	PrecSep_0	
240-243264-4	L602184-04 MW-14	Total/NA	Water	PrecSep_0	
240-243264-5	L602184-05 MW-19A	Total/NA	Water	PrecSep_0	
240-243264-6	L602184-06 MW-19B	Total/NA	Water	PrecSep_0	
240-243264-7	L602184-07 MW-19C	Total/NA	Water	PrecSep_0	
240-243264-8	L602184-08 MW-19D	Total/NA	Water	PrecSep_0	
240-243264-9	L602184-09 MWT-7	Total/NA	Water	PrecSep_0	
240-243264-10	L602184-10 FIELD BLANK	Total/NA	Water	PrecSep_0	
MB 160-758015/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-758015/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Client Sample ID: L602184-01 MW-5

Lab Sample ID: 240-243264-1

Date Collected: 02/11/26 17:17
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758014	VLQ	EET SL	02/19/26 08:29
Total/NA	Analysis	903.0		1	761450	SWS	EET SL	03/15/26 19:36
Total/NA	Prep	PrecSep_0			758015	VLQ	EET SL	02/19/26 08:33
Total/NA	Analysis	904.0		1	759839	SWS	EET SL	03/04/26 11:51
Total/NA	Analysis	Ra226_Ra228 Pos		1	761640	FLC	EET SL	03/16/26 15:15

Client Sample ID: L602184-02 MW-7

Lab Sample ID: 240-243264-2

Date Collected: 02/11/26 10:00
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758014	VLQ	EET SL	02/19/26 08:29
Total/NA	Analysis	903.0		1	761450	SWS	EET SL	03/15/26 19:37
Total/NA	Prep	PrecSep_0			758015	VLQ	EET SL	02/19/26 08:33
Total/NA	Analysis	904.0		1	759839	SWS	EET SL	03/04/26 11:51
Total/NA	Analysis	Ra226_Ra228 Pos		1	761640	FLC	EET SL	03/16/26 15:15

Client Sample ID: L602184-03 MW-12

Lab Sample ID: 240-243264-3

Date Collected: 02/11/26 08:00
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758014	VLQ	EET SL	02/19/26 08:29
Total/NA	Analysis	903.0		1	761609	SWS	EET SL	03/16/26 07:51
Total/NA	Prep	PrecSep_0			758015	VLQ	EET SL	02/19/26 08:33
Total/NA	Analysis	904.0		1	759839	SWS	EET SL	03/04/26 11:52
Total/NA	Analysis	Ra226_Ra228 Pos		1	761640	FLC	EET SL	03/16/26 15:15

Client Sample ID: L602184-04 MW-14

Lab Sample ID: 240-243264-4

Date Collected: 02/11/26 09:55
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758014	VLQ	EET SL	02/19/26 08:29
Total/NA	Analysis	903.0		1	761609	SWS	EET SL	03/16/26 07:51
Total/NA	Prep	PrecSep_0			758015	VLQ	EET SL	02/19/26 08:33
Total/NA	Analysis	904.0		1	759839	SWS	EET SL	03/04/26 11:52
Total/NA	Analysis	Ra226_Ra228 Pos		1	761640	FLC	EET SL	03/16/26 15:15

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Client Sample ID: L602184-05 MW-19A

Lab Sample ID: 240-243264-5

Date Collected: 02/11/26 17:50
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758014	VLQ	EET SL	02/19/26 08:29
Total/NA	Analysis	903.0		1	761609	SWS	EET SL	03/16/26 07:51
Total/NA	Prep	PrecSep_0			758015	VLQ	EET SL	02/19/26 08:33
Total/NA	Analysis	904.0		1	759839	SWS	EET SL	03/04/26 11:52
Total/NA	Analysis	Ra226_Ra228 Pos		1	761640	FLC	EET SL	03/16/26 15:15

Client Sample ID: L602184-06 MW-19B

Lab Sample ID: 240-243264-6

Date Collected: 02/11/26 16:20
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758014	VLQ	EET SL	02/19/26 08:29
Total/NA	Analysis	903.0		1	761609	SWS	EET SL	03/16/26 07:52
Total/NA	Prep	PrecSep_0			758015	VLQ	EET SL	02/19/26 08:33
Total/NA	Analysis	904.0		1	759839	SWS	EET SL	03/04/26 11:52
Total/NA	Analysis	Ra226_Ra228 Pos		1	761640	FLC	EET SL	03/16/26 15:15

Client Sample ID: L602184-07 MW-19C

Lab Sample ID: 240-243264-7

Date Collected: 02/11/26 14:20
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758014	VLQ	EET SL	02/19/26 08:29
Total/NA	Analysis	903.0		1	761609	SWS	EET SL	03/16/26 07:52
Total/NA	Prep	PrecSep_0			758015	VLQ	EET SL	02/19/26 08:33
Total/NA	Analysis	904.0		1	759839	SWS	EET SL	03/04/26 11:52
Total/NA	Analysis	Ra226_Ra228 Pos		1	761640	FLC	EET SL	03/16/26 15:15

Client Sample ID: L602184-08 MW-19D

Lab Sample ID: 240-243264-8

Date Collected: 02/11/26 12:25
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758014	VLQ	EET SL	02/19/26 08:29
Total/NA	Analysis	903.0		1	761609	SWS	EET SL	03/16/26 07:52
Total/NA	Prep	PrecSep_0			758015	VLQ	EET SL	02/19/26 08:33
Total/NA	Analysis	904.0		1	759839	SWS	EET SL	03/04/26 11:52
Total/NA	Analysis	Ra226_Ra228 Pos		1	761640	FLC	EET SL	03/16/26 15:15

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Client Sample ID: L602184-09 MWT-7

Lab Sample ID: 240-243264-9

Date Collected: 02/11/26 10:17

Matrix: Water

Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758014	VLQ	EET SL	02/19/26 08:29
Total/NA	Analysis	903.0		1	761609	SWS	EET SL	03/16/26 07:53
Total/NA	Prep	PrecSep_0			758015	VLQ	EET SL	02/19/26 08:33
Total/NA	Analysis	904.0		1	759839	SWS	EET SL	03/04/26 11:52
Total/NA	Analysis	Ra226_Ra228 Pos		1	761640	FLC	EET SL	03/16/26 15:15

Client Sample ID: L602184-10 FIELD BLANK

Lab Sample ID: 240-243264-10

Date Collected: 02/11/26 07:50

Matrix: Water

Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758014	VLQ	EET SL	02/19/26 08:29
Total/NA	Analysis	903.0		1	761609	SWS	EET SL	03/16/26 07:53
Total/NA	Prep	PrecSep_0			758015	VLQ	EET SL	02/19/26 08:33
Total/NA	Analysis	904.0		1	759839	SWS	EET SL	03/04/26 11:52
Total/NA	Analysis	Ra226_Ra228 Pos		1	761640	FLC	EET SL	03/16/26 15:15

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243264-2

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-26
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	07-01-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
Georgia (DW)	State	C061	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-26
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-26
Kentucky (DW)	State	KY90125	12-31-26
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-26
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-26
Maine	State	MO00054	03-05-28
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Hampshire	NELAP	2100	02-04-27
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	04-01-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-26
Oklahoma	NELAP	9997	12-31-26
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-27
Rhode Island	State	LAO00392	12-30-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Vermont	State	VT 87689	03-20-27
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	10-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
Dissolved metals filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Project - MNA Tier II Geochem

Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM4500_NO3_D Nitrate [190]	5310C TOC [240]	SM4500_NO2_B Nitrite [190]	SM4500_S2_D Total Sulfide [ROU]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	Voa Vial 40ml - with Sulfuric Acid	Plastic 250ml - with Zinc Acetate & NaOH	Plastic 500ml - w/ Nitric - Dis.	Plastic 1 liter Wide - Unpreserved	Total Bottles For Sample
1	L602185-01 MW-5	Grab	Water	02/11/26 17:17				X	X	X	X	X	3	1	1	1	**6**
2	L602185-02 MW-7	Grab	Water	02/11/26 10:00				X	X	X	X	X	3	1	1	1	**6**
3	L602185-03 MW-7D	Grab	Water	02/11/26 12:01				X	X	X	X	X	3	1	1	1	**6**
4	L602185-04 MW-14	Grab	Water	02/11/26 09:55				X	X	X	X	X	3	1	1	1	**6**
5	L602185-05 MW-18A	Grab	Water	02/11/26 13:28				X	X	X	X	X	3	1	1	1	**6**
6	L602185-06 MW-18B	Grab	Water	02/11/26 02:32				X	X	X	X	X	3	1	1	1	**6**
7	L602185-07 MW-18C	Grab	Water	02/11/26 03:35				X	X	X	X	X	3	1	1	1	**6**
8	L602185-08 MW-18D	Grab	Water	02/11/26 16:42				X	X	X	X	X	3	1	1	1	**6**
9	L602185-09 MW-19A	Grab	Water	02/11/26 17:50				X	X	X	X	X	3	1	1	1	**6**
10	L602185-10 MW-19B	Grab	Water	02/11/26 16:20				X	X	X	X	X	3	1	1	1	**6**
11	L602185-11 MW-19C	Grab	Water	02/11/26 14:20				X	X	X	X	X	3	1	1	1	**6**
12	L602185-12 MW-19D	Grab	Water	02/11/26 12:25				X	X	X	X	X	3	1	1	1	**6**

*H -- Analysis on hold.

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
Dissolved metals filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Project - MNA Tier II Geochem

Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM4500_NO3_D Nitrate [190]	5310C TOC [240]	SM4500_NO2_B Nitrite [190]	SM4500_S2_D Total Sulfide [ROU]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	Voa Vial 40ml - with Sulfuric Acid	Plastic 250ml - with Zinc Acetate & NaOH	Plastic 500ml - w/ Nitric - Dis.	Plastic 1 liter Wide - Unpreserved	Total Bottles For Sample
13	L602185-13 MWT-7	Grab	Water	02/11/26 10:17				X	X	X	X	X	3	1	1	1	6
14	L602185-14 Field Blank	Grab	Water	02/11/26 07:50				X	X	X	X	X	3	1	1	1	6

Methods and Bottles

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) **:** Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:	Samples Received By:	Date/Time:
Jennifer Caporale	02/12/26 09:33	Jennifer Caporale	02/12/26 09:33	Melnichenko, Jon	02/13/26 08:56

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260212A003								
MIC20260212A005								
MIC20260212A005								

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:
Dissolved metals filtered in field.

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer

Description:
Erickson Wellfield Project

Site Name:
Erickson Projects

See following pages for Method and Container information.

240-243264 COC

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long
1	L602184-01 MW-5	Grab	Water	02/11/26 17:17			
2	L602184-02 MW-7	Grab	Water	02/11/26 10:17			
3	L602184-03 MW-12	Grab	Water	02/11/26 08:00			
4	L602184-04 MW-14	Grab	Water	02/11/26 09:55			
5	L602184-05 MW-19A	Grab	Water	02/11/26 17:50			
6	L602184-06 MW-19B	Grab	Water	02/11/26 16:20			
7	L602184-07 MW-19C	Grab	Water	02/11/26 14:20			
8	L602184-08 MW-19D	Grab	Water	02/11/26 12:25			
9	L602184-09 MWT-7	Grab	Water	02/11/26 10:17			
10	L602184-10 Field Blank	Grab	Water	02/11/26 07:50			

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By	Date/Time:	Samples Relinquished By	Date/Time:	Samples Received By	Date/Time	
Jennifer Caporale	02/12/26 09:34	Jennifer Caporale	02/12/26 09:34	Melnichenko Jon	02/13/26 08:53	Jc 2/13/26 800

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260212A001								
MIC20260212A001								
MIC20260212A001								

Chain of Custody Methods

eurofins | Environment Testing

Samples		Methods																				
#	Sample Name	2320B Bicarbonate & Carbonate Alkalinity [ANY]	2540C_Calcd Total Dissolved Solids [TDS]	245.1 1994 R3.0 / Mercury (CVAA) / Mercury	245.1/245.1_Prep Mercury [MER]	904 0/PrecSep_0 Ra-228 [STD]	200.8 / Metals (ICP/MS) / Custom List 2: 2-3 Metals	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	2540D Solids Total Suspended (TSS) [TSS]	200.8-1994 R5.4 / Metals (ICP/MS) / Project List (19)	300 0_28D Chloride, Fluoride & Sulfate [ANY]	200 8_CWA/200.8_P_TOT Iron & Zinc [M02]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calcula	903.0/PrecSep_21 Ra-226 [STD]	Ra226_228GFPC_P Combined Ra226&228 [160]	200 7 Rev 4.4 / Metals (ICP) / Dissolved Na & K	200 8/200.8_P_TR Project List (18) [C01]					
1	L602184-01 MW-5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
2	L602184-02 MW-7	X	X		X	X		X	X		X	X	X	X	X		X					
3	L602184-03 MW-12			X	X	X	X	X		X		X	X	X	X	X	X					
4	L602184-04 MW-14	X	X		X	X		X	X		X	X	X	X	X		X					
5	L602184-05 MW-19A	X	X		X	X		X	X		X	X	X	X	X		X					
6	L602184-06 MW-19B	X	X		X	X		X	X		X	X	X	X	X		X					
7	L602184-07 MW-19C	X	X		X	X		X	X		X	X	X	X	X		X					
8	L602184-08 MW-19D	X	X		X	X		X	X		X	X	X	X	X		X					
9	L602184-09 MWT-7	X	X		X	X		X	X		X	X	X	X	X		X					
10	L602184-10 Field Blank	X	X		X	X		X	X		X	X	X	X	X		X					

Chain of Custody Bottles

eurofins | Environment Testing

Bottle Name	Total Bottles
Plastic 250ml with Nitric Acid	10
Plastic 500ml - w/ Nitric - Dis.	2
Plastic 60 mL unpreserved	18
Plastic 1 liter - Nitric Acid	20
Plastic 500ml - unpreserved	9
Plastic 1 liter - unpreserved	9
Plastic 500ml with Nitric Acid	*10*

Samples		Bottles																					
#	Sample Name	Total Bottles For Sample	Plastic 250ml with Nitric Acid	Plastic 500ml w/ Nitric - Dis.	Plastic 60 mL unpreserved	Plastic 1 liter Nitric Acid	Plastic 500ml unpreserved	Plastic 1 liter - unpreserved	Plastic 500ml with Nitric Acid														
1	L602184-01 MW-5	9	1	1	2	2	1	1	1														
2	L602184-02 MW-7	8	1		2	2	1	1	1														
3	L602184-03 MW-12	5	1	1		2			1														
4	L602184-04 MW-14	8	1		2	2	1	1	1														
5	L602184-05 MW-19A	8	1		2	2	1	1	1														
6	L602184-06 MW-19B	8	1		2	2	1	1	1														
7	L602184-07 MW-19C	8	1		2	2	1	1	1														
8	L602184-08 MW-19D	8	1		2	2	1	1	1														
9	L602184-09 MWT-7	8	1		2	2	1	1	1														
10	L602184-10 Field Blank	8	1		2	2	1	1	1														

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :_____
Barberton Facility

Client Lansing Board of Water & Light Site Name_____ Cooler unpacked by:

Cooler Received on 2-13-26 Opened on 2-16-26 JC

FedEx: 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other_____

~~Receipt After-hours: Drop-off Date/Time~~ Storage Location

Eurofins Cooler # 2 Foam Box Client Cooler Box Other_____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other_____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☑ See Multiple Cooler Form

IR GUN # 17 (CF +0.5 °C) Observed Cooler Temp.___.___°C Corrected Cooler Temp.___.___°C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	(No)
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(Y)
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC567196
14. Were VOAs on the COC?	Yes	(No)
15. Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No (NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:

Labels Verified by:

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s):_____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 17	0.5	1.2	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	0.7	1.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	0.1	0.8	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.3	2.0	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.2	1.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	0.4	1.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	

2/17/2026

Login Container Summary Report

240-243264

3/16/2026

Temperature readings. _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602184-01 MW-5	240-243264-J-1	Plastic 60 mL - unpreserved				
L602184-01 MW-5	240-243264-K-1	Plastic 60 mL - unpreserved				
L602184-01 MW-5	240-243264-L-1	Plastic 250ml - with Nitric Acid	<2			
L602184-01 MW-5	240-243264-M-1	Plastic 500ml - unpreserved				
L602184-01 MW-5	240-243264-N-1	Plastic 500ml - with Nitric Acid	<2			
L602184-01 MW-5	240-243264-O-1	Plastic 1 liter - unpreserved				
L602184-01 MW-5	240-243264-P-1	Plastic 1 liter - Nitric Acid	<2			
L602184-01 MW-5	240-243264-Q-1	Plastic 1 liter - Nitric Acid	<2			
L602184-01 MW-5	240-243264-R-1	Plastic 250ml - w/nitric - dis	<2			
L602184-01 MW-5	240-243264-S-1	Plastic 500ml - w/ Nitric - Dis	<2			
L602184-02 MW-7	240-243264-J-2	Plastic 60 mL - unpreserved				
L602184-02 MW-7	240-243264-K-2	Plastic 60 mL - unpreserved				
L602184-02 MW-7	240-243264-L-2	Plastic 250ml - with Nitric Acid	<2			
L602184-02 MW-7	240-243264-M-2	Plastic 500ml - unpreserved				
L602184-02 MW-7	240-243264-N-2	Plastic 500ml - with Nitric Acid	<2			
L602184-02 MW-7	240-243264-O-2	Plastic 1 liter - unpreserved				
L602184-02 MW-7	240-243264-P-2	Plastic 1 liter - Nitric Acid	<2			
L602184-02 MW-7	240-243264-Q-2	Plastic 1 liter - Nitric Acid	<2			
L602184-03 MW-12	240-243264-L-3	Plastic 250ml - with Nitric Acid	<2			
L602184-03 MW-12	240-243264-N-3	Plastic 500ml - with Nitric Acid	<2			
L602184-03 MW-12	240-243264-O-3	Plastic 1 liter - Nitric Acid	<2			
L602184-03 MW-12	240-243264-P-3	Plastic 1 liter - Nitric Acid	<2			
L602184-03 MW-12	240-243264-Q-3	Plastic 250ml - w/nitric - dis	<2			
L602184-03 MW-12	240-243264-R-3	Plastic 500ml - w/ Nitric - Dis.	<2			
L602184-04 MW-14	240-243264-J-4	Plastic 60 mL - unpreserved				
L602184-04 MW-14	240-243264-K-4	Plastic 60 mL - unpreserved				
L602184-04 MW-14	240-243264-L-4	Plastic 250ml - with Nitric Acid	<2			
L602184-04 MW-14	240-243264-M-4	Plastic 500ml - unpreserved				
L602184-04 MW-14	240-243264-N-4	Plastic 500ml - with Nitric Acid	<2			
L602184-04 MW-14	240-243264-O-4	Plastic 1 liter - unpreserved				
L602184-04 MW-14	240-243264-P-4	Plastic 1 liter - Nitric Acid	<2			
L602184-04 MW-14	240-243264-Q-4	Plastic 1 liter - Nitric Acid	<2			
L602184-05 MW-19A	240-243264-J-5	Plastic 60 mL - unpreserved				
L602184-05 MW-19A	240-243264-K-5	Plastic 60 mL - unpreserved				
L602184-05 MW-19A	240-243264-L-5	Plastic 250ml - with Nitric Acid	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602184-05 MW-19A	240-243264-M-5	Plastic 500ml - unpreserved				
L602184-05 MW-19A	240-243264-N-5	Plastic 500ml - with Nitric Acid	<2			
L602184-05 MW-19A	240-243264-O-5	Plastic 1 liter - unpreserved				
L602184-05 MW-19A	240-243264-P-5	Plastic 1 liter - Nitric Acid	<2			
L602184-05 MW-19A	240-243264-Q-5	Plastic 1 liter - Nitric Acid	<2			
L602184-06 MW-19B	240-243264-J-6	Plastic 60 mL - unpreserved				
L602184-06 MW-19B	240-243264-K-6	Plastic 60 mL - unpreserved				
L602184-06 MW-19B	240-243264-L-6	Plastic 250ml - with Nitric Acid	<2			
L602184-06 MW-19B	240-243264-M-6	Plastic 500ml - unpreserved				
L602184-06 MW-19B	240-243264-N-6	Plastic 500ml - with Nitric Acid	<2			
L602184-06 MW-19B	240-243264-O-6	Plastic 1 liter - unpreserved				
L602184-06 MW-19B	240-243264-P-6	Plastic 1 liter - Nitric Acid	<2			
L602184-06 MW-19B	240-243264-Q-6	Plastic 1 liter - Nitric Acid	<2			
L602184-07 MW-19C	240-243264-J-7	Plastic 60 mL - unpreserved				
L602184-07 MW-19C	240-243264-K-7	Plastic 60 mL - unpreserved				
L602184-07 MW-19C	240-243264-L-7	Plastic 250ml - with Nitric Acid	<2			
L602184-07 MW-19C	240-243264-M-7	Plastic 500ml - unpreserved				
L602184-07 MW-19C	240-243264-N-7	Plastic 500ml - with Nitric Acid	<2			
L602184-07 MW-19C	240-243264-O-7	Plastic 1 liter - unpreserved				
L602184-07 MW-19C	240-243264-P-7	Plastic 1 liter - Nitric Acid	<2			
L602184-07 MW-19C	240-243264-Q-7	Plastic 1 liter - Nitric Acid	<2			
L602184-08 MW-19D	240-243264-J-8	Plastic 60 mL - unpreserved				
L602184-08 MW-19D	240-243264-K-8	Plastic 60 mL - unpreserved				
L602184-08 MW-19D	240-243264-L-8	Plastic 250ml - with Nitric Acid	<2			
L602184-08 MW-19D	240-243264-M-8	Plastic 500ml - unpreserved				
L602184-08 MW-19D	240-243264-N-8	Plastic 500ml - with Nitric Acid	<2			
L602184-08 MW-19D	240-243264-O-8	Plastic 1 liter - unpreserved				
L602184-08 MW-19D	240-243264-P-8	Plastic 1 liter - Nitric Acid	<2			
L602184-08 MW-19D	240-243264-Q-8	Plastic 1 liter - Nitric Acid	<2			
L602184-09 MWT-7	240-243264-J-9	Plastic 60 mL - unpreserved				
L602184-09 MWT-7	240-243264-K-9	Plastic 60 mL - unpreserved				
L602184-09 MWT-7	240-243264-L-9	Plastic 250ml - with Nitric Acid	<2			
L602184-09 MWT-7	240-243264-M-9	Plastic 500ml - unpreserved				
L602184-09 MWT-7	240-243264-N-9	Plastic 500ml - with Nitric Acid	<2			
L602184-09 MWT-7	240-243264-O-9	Plastic 1 liter - unpreserved				
L602184-09 MWT-7	240-243264-P-9	Plastic 1 liter - Nitric Acid	<2			
L602184-09 MWT-7	240-243264-Q-9	Plastic 1 liter - Nitric Acid	<2			
L602184-10 FIELD BLANK	240-243264-J-10	Plastic 60 mL - unpreserved				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602184-10 FIELD BLANK	240-243264-K-10	Plastic 60 mL - unpreserved				
L602184-10 FIELD BLANK	240-243264-L-10	Plastic 250ml - with Nitric Acid	<2			
L602184-10 FIELD BLANK	240-243264-M-10	Plastic 500ml - unpreserved				
L602184-10 FIELD BLANK	240-243264-N-10	Plastic 500ml - with Nitric Acid	<2			
L602184-10 FIELD BLANK	240-243264-O-10	Plastic 1 liter - unpreserved				
L602184-10 FIELD BLANK	240-243264-P-10	Plastic 1 liter - Nitric Acid	<2			
L602184-10 FIELD BLANK	240-243264-Q-10	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214249.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 240-243264-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 2/26/2026			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	904.0/PrecSep_0Standard Target List	Ra226_228GFPC_P	903.0/PrecSep_21Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
L602184-01 MW-5 (240-243264-1)	2/11/26	17:17 Eastern	G	Water			X	X	X	2	
L602184-02 MW-7 (240-243264-2)	2/11/26	10:00 Eastern	G	Water			X	X	X	2	
L602184-03 MW-12 (240-243264-3)	2/11/26	08:00 Eastern	G	Water			X	X	X	2	
L602184-04 MW-14 (240-243264-4)	2/11/26	09:55 Eastern	G	Water			X	X	X	2	
L602184-05 MW-19A (240-243264-5)	2/11/26	17:50 Eastern	G	Water			X	X	X	2	
L602184-06 MW-19B (240-243264-6)	2/11/26	16:20 Eastern	G	Water			X	X	X	2	
L602184-07 MW-19C (240-243264-7)	2/11/26	14:20 Eastern	G	Water			X	X	X	2	
L602184-08 MW-19D (240-243264-8)	2/11/26	12:25 Eastern	G	Water			X	X	X	2	
L602184-09 MWT-7 (240-243264-9)	2/11/26	10:17 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: JUT	Date/Time: 2/17/26 1500	Company: EC	Received by: [signature]	Date/Time: 0850 FEB 18 2026	Company
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

3/16/2026

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214249.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 240-243264-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 2/26/2026			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	904.0/PrecSep_0Standard Target List	Ra226_228GFPC_P	903.0/PrecSep_21Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
L602184-10 FIELD BLANK (240-243264-10)	2/11/26	07:50 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
JLM	2/11/26 1500	EC		0850 FEB 18 2026	
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

3/16/2026

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-243264-2

Login Number: 243264
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 02/18/26 01:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

Generated 4/14/2026 12:17:01 PM Revision 2

JOB DESCRIPTION

Erickson Project - MNA Tier II Geochem

JOB NUMBER

240-243270-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

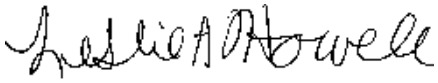
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Revision 2

Authorized for release by
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

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Definitions/Glossary

Client: Lansing Board of Water & Light
Job ID: 240-243270-1
Project/Site: Erickson Project - MNA Tier II Geochem

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
240-243270-1

REVISION

The report being provided is a revision of the original report sent on 3/3/2026. The report (revision 2) is being revised due to Dissolved Thallium to be removed from reporting list..

Report revision history
Revision 1 - 4/7/2026 - Reason - dissolved vanadium was not reported. The naming of elements manganese, potassium and sodium needs dissolved denoted.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/13/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.8°C, 1.1°C, 1.2°C, 1.4°C, 1.9°C and 2.0°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method SM 4500 NO2 B: The following sample was diluted due to the nature of the sample matrix: L602185-04 MW-14 (240-243270-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Job ID: 240-243270-1
Project/Site: Erickson Project - MNA Tier II Geochem

Method	Method Description	Protocol	Laboratory
200.7	Dissolved Metals by ICP	EPA	EET SSM
200.8	Metals (ICP/MS)	EPA	EET SSM
200.8-1994 R5.4	Metals (ICP/MS)	EPA	EET CLE
4500-S2-F-2021	Sulfide, Total	SM	EET CLE
5310 C-2014	Total Organic Carbon/Persulfate - Ultrav	SM	EET CLE
SM 4500 NO2 B	Nitrogen, Nitrite	SM	EET MI
SM4500 NO3 D	Nitrogen, Nitrate	SM	EET MI
200.7	Preparation, Total Metals	EPA	EET SSM
200.8	Preparation, Total Metals	EPA	EET SSM
200.8-1994 R5.4	Preparation, Total Recoverable Metals	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Lansing Board of Water & Light
Job ID: 240-243270-1
Project/Site: Erickson Project - MNA Tier II Geochem

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-243270-1	L602185-01 MW-5	Water	02/11/26 17:17	02/13/26 08:00	Michigan
240-243270-2	L602185-02 MW-7	Water	02/11/26 10:00	02/13/26 08:00	Michigan
240-243270-3	L602185-03 MW-7D	Water	02/11/26 12:01	02/13/26 08:00	Michigan
240-243270-4	L602185-04 MW-14	Water	02/11/26 09:55	02/13/26 08:00	Michigan
240-243270-5	L602185-05 MW-18A	Water	02/11/26 13:28	02/13/26 08:00	Michigan
240-243270-6	L602185-06 MW-18B	Water	02/11/26 02:32	02/13/26 08:00	Michigan
240-243270-7	L602185-07 MW-18C	Water	02/11/26 03:35	02/13/26 08:00	Michigan
240-243270-8	L602185-08 MW-18D	Water	02/11/26 16:42	02/13/26 08:00	Michigan
240-243270-9	L602185-09 MW-19A	Water	02/11/26 17:50	02/13/26 08:00	Michigan
240-243270-10	L602185-10 MW-19B	Water	02/11/26 16:20	02/13/26 08:00	Michigan
240-243270-11	L602185-11 MW-19C	Water	02/11/26 14:20	02/13/26 08:00	Michigan
240-243270-12	L602185-12 MW-19D	Water	02/11/26 12:25	02/13/26 08:00	Michigan
240-243270-13	L602185-13 MWT-7	Water	02/11/26 10:17	02/13/26 08:00	Michigan
240-243270-14	L602185-14 FIELD BLANK	Water	02/11/26 07:50	02/13/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-243270-1

Client Sample ID: L602185-01 MW-5 — Lab Sample ID: 240-243270-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	3.2		0.50	0.041	mg/L	1		200.7	Dissolved
Arsenic, Dissolved	0.84	J	5.0	0.75	ug/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	38		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Cadmium, Dissolved	0.091	J	1.0	0.077	ug/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.20	J	1.0	0.086	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	62		5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	2.4		2.0	1.5	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	120000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	26000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	53		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	36000		1000	880	ug/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	3500		1000	220	ug/L	1		200.8-1994 R5.4	Dissolved
Zinc, Dissolved	0.0023	J B	0.0070	0.00093	mg/L	1		200.8	Dissolved
Sulfide	0.40	J	1.0	0.27	mg/L	1		4500-S2-F-2021	Total/NA
Total Organic Carbon	1.2		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.53		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602185-02 MW-7 — Lab Sample ID: 240-243270-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	1.8		0.50	0.041	mg/L	1		200.7	Dissolved
Arsenic, Dissolved	3.9	J	5.0	0.75	ug/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	47		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Cadmium, Dissolved	0.24	J	1.0	0.077	ug/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.26	J	1.0	0.086	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	130		5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Selenium, Dissolved	1.1	J	5.0	0.89	ug/L	1		200.8-1994 R5.4	Dissolved
Vanadium, Dissolved	0.92	J	5.0	0.82	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	100000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	15000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	69		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	67000		1000	880	ug/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	7400		1000	220	ug/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	170		5.0	3.5	ug/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.99		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	5.0		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.1		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602185-03 MW-7D — Lab Sample ID: 240-243270-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	1.4		0.50	0.041	mg/L	1		200.7	Dissolved
Arsenic, Dissolved	1.3	J	5.0	0.75	ug/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	35		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Cadmium, Dissolved	0.19	J	1.0	0.077	ug/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.26	J	1.0	0.086	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	2.5	J	5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	71000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	25000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	36		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	18000		1000	880	ug/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	9400		1000	220	ug/L	1		200.8-1994 R5.4	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602185-03 MW-7D (Continued) — Lab Sample ID: 240-243270-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese, Dissolved	44		5.0	3.5	ug/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.14		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0016	J B	0.0070	0.00093	mg/L	1		200.8	Dissolved
Total Organic Carbon	0.50	J	1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.38		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602185-04 MW-14 — Lab Sample ID: 240-243270-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	1.8		0.50	0.041	mg/L	1		200.7	Dissolved
Arsenic, Dissolved	6.4		5.0	0.75	ug/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	120		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Cadmium, Dissolved	0.089	J	1.0	0.077	ug/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.49	J	1.0	0.086	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	9.9		5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	3.4		2.0	1.5	ug/L	1		200.8-1994 R5.4	Dissolved
Vanadium, Dissolved	1.6	J	5.0	0.82	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	150000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	40000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	75		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	68000		1000	880	ug/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	4000		1000	220	ug/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	660		5.0	3.5	ug/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	16		0.50	0.067	mg/L	5		200.8	Dissolved
Aluminum, Dissolved	0.0060	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Total Organic Carbon	15		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	3.3		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602185-05 MW-18A — Lab Sample ID: 240-243270-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.73		0.50	0.041	mg/L	1		200.7	Dissolved
Arsenic, Dissolved	1.2	J	5.0	0.75	ug/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	40		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	100		5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	90000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	16000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	62		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	61000		1000	880	ug/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	6700		1000	220	ug/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	170		5.0	3.5	ug/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.91		0.10	0.013	mg/L	1		200.8	Dissolved
Aluminum, Dissolved	0.0058	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Total Organic Carbon	3.2		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.55		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602185-06 MW-18B — Lab Sample ID: 240-243270-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	2.9		0.50	0.041	mg/L	1		200.7	Dissolved
Arsenic, Dissolved	1.1	J	5.0	0.75	ug/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	54		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: L602185-06 MW-18B (Continued) — Lab Sample ID: 240-243270-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum, Dissolved	110		5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	9.7		2.0	1.5	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	160000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	30000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	120		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	89000		1000	880	ug/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	7900		1000	220	ug/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	160		5.0	3.5	ug/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	2.4		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0028	J B	0.0070	0.00093	mg/L	1		200.8	Dissolved
Aluminum, Dissolved	0.0095	J	0.040	0.0058	mg/L	1		200.8	Dissolved
Sulfide	0.60	J	1.0	0.27	mg/L	1		4500-S2-F-2021	Total/NA
Total Organic Carbon	4.8		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.0		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602185-07 MW-18C — Lab Sample ID: 240-243270-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	3.4		0.50	0.041	mg/L	1		200.7	Dissolved
Arsenic, Dissolved	1.1	J	5.0	0.75	ug/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	59		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.094	J	1.0	0.086	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	150		5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	11		2.0	1.5	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	190000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	42000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	110		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	92000		1000	880	ug/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	5300		1000	220	ug/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	140		5.0	3.5	ug/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	2.7		0.10	0.013	mg/L	1		200.8	Dissolved
Sulfide	0.40	J	1.0	0.27	mg/L	1		4500-S2-F-2021	Total/NA
Total Organic Carbon	4.7		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.1		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602185-08 MW-18D — Lab Sample ID: 240-243270-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	3.6		0.50	0.041	mg/L	1		200.7	Dissolved
Barium, Dissolved	22		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Cobalt, Dissolved	0.44	J	1.0	0.086	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	49		5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	3.5		2.0	1.5	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	61000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	12000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	59		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	130000		1000	880	ug/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	5200		1000	220	ug/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	56		5.0	3.5	ug/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.97		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	1.7		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	2.0		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Lansing Board of Water & Light
Job ID: 240-243270-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L602185-09 MW-19A — Lab Sample ID: 240-243270-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.24	J	0.50	0.041	mg/L	1		200.7	Dissolved
Arsenic, Dissolved	3.3	J	5.0	0.75	ug/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	87		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	1.8	J	5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	11		2.0	1.5	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	190000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	60000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	8.8		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	45000		1000	880	ug/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	1700		1000	220	ug/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	130		5.0	3.5	ug/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	4.0		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	2.3		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	2.2		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602185-10 MW-19B — Lab Sample ID: 240-243270-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.43	J	0.50	0.041	mg/L	1		200.7	Dissolved
Arsenic, Dissolved	3.4	J	5.0	0.75	ug/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	50		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	1.9	J	5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Nickel, Dissolved	15		2.0	1.5	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	180000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	66000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	13		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	35000		1000	880	ug/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	2700		1000	220	ug/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	59		5.0	3.5	ug/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.7		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	1.4		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	2.9		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602185-11 MW-19C — Lab Sample ID: 240-243270-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	1.5		0.50	0.041	mg/L	1		200.7	Dissolved
Barium, Dissolved	33		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	59000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	21000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	23		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	46000		1000	880	ug/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	7200		1000	220	ug/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	16		5.0	3.5	ug/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.51		0.10	0.013	mg/L	1		200.8	Dissolved
Zinc, Dissolved	0.0010	J B	0.0070	0.00093	mg/L	1		200.8	Dissolved
Sulfide	0.60	J	1.0	0.27	mg/L	1		4500-S2-F-2021	Total/NA
Total Organic Carbon	0.49	J	1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.37		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-243270-1

Client Sample ID: L602185-12 MW-19D — Lab Sample ID: 240-243270-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	0.55		0.50	0.041	mg/L	1		200.7	Dissolved
Barium, Dissolved	50		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	1.1	J	5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	66000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	24000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	20		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	29000		1000	880	ug/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	5300		1000	220	ug/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	23		5.0	3.5	ug/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	0.65		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	1.6		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	0.74		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602185-13 MWT-7 — Lab Sample ID: 240-243270-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron, Dissolved	1.8		0.50	0.041	mg/L	1		200.7	Dissolved
Arsenic, Dissolved	3.5	J	5.0	0.75	ug/L	1		200.8-1994 R5.4	Dissolved
Barium, Dissolved	50		5.0	0.77	ug/L	1		200.8-1994 R5.4	Dissolved
Molybdenum, Dissolved	140		5.0	1.1	ug/L	1		200.8-1994 R5.4	Dissolved
Vanadium, Dissolved	0.85	J	5.0	0.82	ug/L	1		200.8-1994 R5.4	Dissolved
Calcium, Dissolved	110000		1000	250	ug/L	1		200.8-1994 R5.4	Dissolved
Magnesium, Dissolved	16000		1000	61	ug/L	1		200.8-1994 R5.4	Dissolved
Lithium, Dissolved	72		8.0	3.4	ug/L	1		200.8-1994 R5.4	Dissolved
Sodium, Dissolved	74000		1000	880	ug/L	1		200.8-1994 R5.4	Dissolved
Potassium, Dissolved	8000		1000	220	ug/L	1		200.8-1994 R5.4	Dissolved
Manganese, Dissolved	180		5.0	3.5	ug/L	1		200.8-1994 R5.4	Dissolved
Iron, Dissolved	1.0		0.10	0.013	mg/L	1		200.8	Dissolved
Total Organic Carbon	5.0		1.0	0.44	mg/L	1		5310 C-2014	Total/NA
Nitrate as N	1.0		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L602185-14 FIELD BLANK — Lab Sample ID: 240-243270-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	0.40	J	1.0	0.27	mg/L	1		4500-S2-F-2021	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-243270-1

Client Sample ID: L602185-01 MW-5

Date Collected: 02/11/26 17:17
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243270-1

Matrix: Water

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**3.2**		0.50	0.041	mg/L		02/27/26 16:08	03/02/26 19:35	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.84**	**J**	5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:03	1
Barium, Dissolved	**38**		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:03	1
Cadmium, Dissolved	**0.091**	**J**	1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:03	1
Cobalt, Dissolved	**0.20**	**J**	1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:03	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:03	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:03	1
Molybdenum, Dissolved	**62**		5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:03	1
Nickel, Dissolved	**2.4**		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:03	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:03	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:03	1
Calcium, Dissolved	**120000**		1000	250	ug/L		02/18/26 14:00	02/19/26 15:03	1
Magnesium, Dissolved	**26000**		1000	61	ug/L		02/18/26 14:00	02/19/26 15:03	1
Lithium, Dissolved	**53**		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:03	1
Sodium, Dissolved	**36000**		1000	880	ug/L		02/18/26 14:00	02/19/26 15:03	1
Potassium, Dissolved	**3500**		1000	220	ug/L		02/18/26 14:00	02/19/26 15:03	1
Manganese, Dissolved	ND		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:03	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 15:18	1
Zinc, Dissolved	**0.0023**	**J B**	0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 15:18	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 15:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	**0.40**	**J**	1.0	0.27	mg/L			02/18/26 17:21	1
Total Organic Carbon (SM 5310 C-2014)	**1.2**		1.0	0.44	mg/L			02/20/26 17:06	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/12/26 15:18	1
Nitrate as N (SM4500 NO3 D)	**0.53**		0.20	0.070	mg/L			02/12/26 18:07	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-243270-1

Client Sample ID: L602185-02 MW-7
Date Collected: 02/11/26 10:00
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243270-2
Matrix: Water

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**1.8**		0.50	0.041	mg/L		02/27/26 16:08	03/02/26 19:51	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**3.9**	**J**	5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:11	1
Barium, Dissolved	**47**		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:11	1
Cadmium, Dissolved	**0.24**	**J**	1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:11	1
Cobalt, Dissolved	**0.26**	**J**	1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:11	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:11	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:11	1
Molybdenum, Dissolved	**130**		5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:11	1
Nickel, Dissolved	ND		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:11	1
Selenium, Dissolved	**1.1**	**J**	5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:11	1
Vanadium, Dissolved	**0.92**	**J**	5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:11	1
Calcium, Dissolved	**100000**		1000	250	ug/L		02/18/26 14:00	02/19/26 15:11	1
Magnesium, Dissolved	**15000**		1000	61	ug/L		02/18/26 14:00	02/19/26 15:11	1
Lithium, Dissolved	**69**		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:11	1
Sodium, Dissolved	**67000**		1000	880	ug/L		02/18/26 14:00	02/19/26 15:11	1
Potassium, Dissolved	**7400**		1000	220	ug/L		02/18/26 14:00	02/19/26 15:11	1
Manganese, Dissolved	**170**		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:11	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.99**		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 15:34	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 15:34	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 15:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	ND		1.0	0.27	mg/L			02/18/26 17:31	1
Total Organic Carbon (SM 5310 C-2014)	**5.0**		1.0	0.44	mg/L			02/20/26 17:30	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/12/26 15:11	1
Nitrate as N (SM4500 NO3 D)	**1.1**		0.20	0.070	mg/L			02/12/26 14:10	1

Client Sample ID: L602185-03 MW-7D
Lab Sample ID: 240-243270-3

Date Collected: 02/11/26 12:01
Matrix: Water
Date Received: 02/13/26 08:00

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**1.4**		0.50	0.041	mg/L		02/27/26 16:08	03/02/26 20:07	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**1.3**	**J**	5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:18	1
Barium, Dissolved	**35**		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:18	1
Cadmium, Dissolved	**0.19**	**J**	1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:18	1
Cobalt, Dissolved	**0.26**	**J**	1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:18	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:18	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:18	1
Molybdenum, Dissolved	**2.5**	**J**	5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:18	1
Nickel, Dissolved	ND		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:18	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:18	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:18	1
Calcium, Dissolved	**71000**		1000	250	ug/L		02/18/26 14:00	02/19/26 15:18	1
Magnesium, Dissolved	**25000**		1000	61	ug/L		02/18/26 14:00	02/19/26 15:18	1
Lithium, Dissolved	**36**		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:18	1
Sodium, Dissolved	**18000**		1000	880	ug/L		02/18/26 14:00	02/19/26 15:18	1
Potassium, Dissolved	**9400**		1000	220	ug/L		02/18/26 14:00	02/19/26 15:18	1
Manganese, Dissolved	**44**		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:18	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.14**		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 15:50	1
Zinc, Dissolved	**0.0016**	**J B**	0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 15:50	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 15:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	ND		1.0	0.27	mg/L			02/18/26 17:36	1
Total Organic Carbon (SM 5310 C-2014)	**0.50**	**J**	1.0	0.44	mg/L			02/20/26 17:54	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/12/26 15:12	1
Nitrate as N (SM4500 NO3 D)	**0.38**		0.20	0.070	mg/L			02/12/26 14:38	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-243270-1

Client Sample ID: L602185-04 MW-14

Date Collected: 02/11/26 09:55
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243270-4

Matrix: Water

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**1.8**		0.50	0.041	mg/L		02/27/26 16:08	03/02/26 20:10	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**6.4**		5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:21	1
Barium, Dissolved	**120**		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:21	1
Cadmium, Dissolved	**0.089**	**J**	1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:21	1
Cobalt, Dissolved	**0.49**	**J**	1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:21	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:21	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:21	1
Molybdenum, Dissolved	**9.9**		5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:21	1
Nickel, Dissolved	**3.4**		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:21	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:21	1
Vanadium, Dissolved	**1.6**	**J**	5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:21	1
Calcium, Dissolved	**150000**		1000	250	ug/L		02/18/26 14:00	02/19/26 15:21	1
Magnesium, Dissolved	**40000**		1000	61	ug/L		02/18/26 14:00	02/19/26 15:21	1
Lithium, Dissolved	**75**		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:21	1
Sodium, Dissolved	**68000**		1000	880	ug/L		02/18/26 14:00	02/19/26 15:21	1
Potassium, Dissolved	**4000**		1000	220	ug/L		02/18/26 14:00	02/19/26 15:21	1
Manganese, Dissolved	**660**		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:21	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**16**		0.50	0.067	mg/L		02/27/26 16:08	03/02/26 15:56	5
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 15:53	1
Aluminum, Dissolved	**0.0060**	**J**	0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 15:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	ND		1.0	0.27	mg/L			02/18/26 17:41	1
Total Organic Carbon (SM 5310 C-2014)	**15**		1.0	0.44	mg/L			02/20/26 18:18	1
Nitrite as N (SM 4500 NO2 B)	ND		0.50	0.049	mg/L			02/12/26 15:18	5
Nitrate as N (SM4500 NO3 D)	**3.3**		0.20	0.070	mg/L			02/12/26 14:01	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-243270-1

Client Sample ID: L602185-05 MW-18A
Date Collected: 02/11/26 13:28
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243270-5
Matrix: Water

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.73**		0.50	0.041	mg/L		02/27/26 16:08	03/02/26 20:13	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**1.2**	**J**	5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:24	1
Barium, Dissolved	**40**		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:24	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:24	1
Cobalt, Dissolved	ND		1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:24	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:24	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:24	1
Molybdenum, Dissolved	**100**		5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:24	1
Nickel, Dissolved	ND		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:24	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:24	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:24	1
Calcium, Dissolved	**90000**		1000	250	ug/L		02/18/26 14:00	02/19/26 15:24	1
Magnesium, Dissolved	**16000**		1000	61	ug/L		02/18/26 14:00	02/19/26 15:24	1
Lithium, Dissolved	**62**		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:24	1
Sodium, Dissolved	**61000**		1000	880	ug/L		02/18/26 14:00	02/19/26 15:24	1
Potassium, Dissolved	**6700**		1000	220	ug/L		02/18/26 14:00	02/19/26 15:24	1
Manganese, Dissolved	**170**		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:24	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.91**		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 15:59	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 15:59	1
Aluminum, Dissolved	**0.0058**	**J**	0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 15:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	ND		1.0	0.27	mg/L			02/18/26 17:46	1
Total Organic Carbon (SM 5310 C-2014)	**3.2**		1.0	0.44	mg/L			02/20/26 19:32	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/12/26 15:14	1
Nitrate as N (SM4500 NO3 D)	**0.55**		0.20	0.070	mg/L			02/12/26 15:50	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-243270-1

Client Sample ID: L602185-06 MW-18B

Date Collected: 02/11/26 02:32
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243270-6

Matrix: Water

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**2.9**		0.50	0.041	mg/L		02/27/26 16:08	03/02/26 20:17	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**1.1**	**J**	5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:26	1
Barium, Dissolved	**54**		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:26	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:26	1
Cobalt, Dissolved	ND		1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:26	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:26	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:26	1
Molybdenum, Dissolved	**110**		5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:26	1
Nickel, Dissolved	**9.7**		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:26	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:26	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:26	1
Calcium, Dissolved	**160000**		1000	250	ug/L		02/18/26 14:00	02/19/26 15:26	1
Magnesium, Dissolved	**30000**		1000	61	ug/L		02/18/26 14:00	02/19/26 15:26	1
Lithium, Dissolved	**120**		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:26	1
Sodium, Dissolved	**89000**		1000	880	ug/L		02/18/26 14:00	02/19/26 15:26	1
Potassium, Dissolved	**7900**		1000	220	ug/L		02/18/26 14:00	02/19/26 15:26	1
Manganese, Dissolved	**160**		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:26	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**2.4**		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 16:02	1
Zinc, Dissolved	**0.0028**	**J B**	0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 16:02	1
Aluminum, Dissolved	**0.0095**	**J**	0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 16:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	**0.60**	**J**	1.0	0.27	mg/L			02/18/26 17:51	1
Total Organic Carbon (SM 5310 C-2014)	**4.8**		1.0	0.44	mg/L			02/20/26 19:56	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/12/26 15:16	1
Nitrate as N (SM4500 NO3 D)	**1.0**		0.20	0.070	mg/L			02/12/26 16:06	1

Client Sample ID: L602185-07 MW-18C
Lab Sample ID: 240-243270-7

Date Collected: 02/11/26 03:35
Matrix: Water
Date Received: 02/13/26 08:00

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**3.4**		0.50	0.041	mg/L		02/27/26 16:08	03/02/26 20:20	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**1.1**	**J**	5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:34	1
Barium, Dissolved	**59**		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:34	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:34	1
Cobalt, Dissolved	**0.094**	**J**	1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:34	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:34	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:34	1
Molybdenum, Dissolved	**150**		5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:34	1
Nickel, Dissolved	**11**		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:34	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:34	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:34	1
Calcium, Dissolved	**190000**		1000	250	ug/L		02/18/26 14:00	02/19/26 15:34	1
Magnesium, Dissolved	**42000**		1000	61	ug/L		02/18/26 14:00	02/19/26 15:34	1
Lithium, Dissolved	**110**		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:34	1
Sodium, Dissolved	**92000**		1000	880	ug/L		02/18/26 14:00	02/19/26 15:34	1
Potassium, Dissolved	**5300**		1000	220	ug/L		02/18/26 14:00	02/19/26 15:34	1
Manganese, Dissolved	**140**		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:34	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**2.7**		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 16:05	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 16:05	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 16:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	**0.40**	**J**	1.0	0.27	mg/L			02/18/26 17:56	1
Total Organic Carbon (SM 5310 C-2014)	**4.7**		1.0	0.44	mg/L			02/20/26 20:20	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/12/26 15:17	1
Nitrate as N (SM4500 NO3 D)	**1.1**		0.20	0.070	mg/L			02/12/26 16:18	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-243270-1

Client Sample ID: L602185-08 MW-18D

Date Collected: 02/11/26 16:42
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243270-8

Matrix: Water

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**3.6**		0.50	0.041	mg/L		02/27/26 16:08	03/02/26 20:23	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:43	1
Barium, Dissolved	**22**		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:43	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:43	1
Cobalt, Dissolved	**0.44**	**J**	1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:43	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:43	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:43	1
Molybdenum, Dissolved	**49**		5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:43	1
Nickel, Dissolved	**3.5**		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:43	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:43	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:43	1
Calcium, Dissolved	**61000**		1000	250	ug/L		02/18/26 14:00	02/19/26 15:43	1
Magnesium, Dissolved	**12000**		1000	61	ug/L		02/18/26 14:00	02/19/26 15:43	1
Lithium, Dissolved	**59**		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:43	1
Sodium, Dissolved	**130000**		1000	880	ug/L		02/18/26 14:00	02/19/26 15:43	1
Potassium, Dissolved	**5200**		1000	220	ug/L		02/18/26 14:00	02/19/26 15:43	1
Manganese, Dissolved	**56**		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:43	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.97**		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 16:08	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 16:08	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 16:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	ND		1.0	0.27	mg/L			02/18/26 18:01	1
Total Organic Carbon (SM 5310 C-2014)	**1.7**		1.0	0.44	mg/L			02/20/26 20:44	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/12/26 15:17	1
Nitrate as N (SM4500 NO3 D)	**2.0**		0.20	0.070	mg/L			02/12/26 17:57	1

Client Sample ID: L602185-09 MW-19A
Lab Sample ID: 240-243270-9

Date Collected: 02/11/26 17:50
Matrix: Water
Date Received: 02/13/26 08:00

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.24**	**J**	0.50	0.041	mg/L		02/27/26 16:08	03/02/26 20:26	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**3.3**	**J**	5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:45	1
Barium, Dissolved	**87**		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:45	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:45	1
Cobalt, Dissolved	ND		1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:45	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:45	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:45	1
Molybdenum, Dissolved	**1.8**	**J**	5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:45	1
Nickel, Dissolved	**11**		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:45	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:45	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:45	1
Calcium, Dissolved	**190000**		1000	250	ug/L		02/18/26 14:00	02/19/26 15:45	1
Magnesium, Dissolved	**60000**		1000	61	ug/L		02/18/26 14:00	02/19/26 15:45	1
Lithium, Dissolved	**8.8**		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:45	1
Sodium, Dissolved	**45000**		1000	880	ug/L		02/18/26 14:00	02/19/26 15:45	1
Potassium, Dissolved	**1700**		1000	220	ug/L		02/18/26 14:00	02/19/26 15:45	1
Manganese, Dissolved	**130**		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:45	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**4.0**		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 16:11	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 16:11	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 16:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	ND		1.0	0.27	mg/L			02/18/26 18:06	1
Total Organic Carbon (SM 5310 C-2014)	**2.3**		1.0	0.44	mg/L			02/20/26 21:08	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/12/26 15:18	1
Nitrate as N (SM4500 NO3 D)	**2.2**		0.20	0.070	mg/L			02/12/26 18:59	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-243270-1

Client Sample ID: L602185-10 MW-19B

Date Collected: 02/11/26 16:20
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243270-10

Matrix: Water

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.43**	**J**	0.50	0.041	mg/L		02/27/26 16:08	03/02/26 20:30	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**3.4**	**J**	5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:48	1
Barium, Dissolved	**50**		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:48	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:48	1
Cobalt, Dissolved	ND		1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:48	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:48	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:48	1
Molybdenum, Dissolved	**1.9**	**J**	5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:48	1
Nickel, Dissolved	**15**		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:48	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:48	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:48	1
Calcium, Dissolved	**180000**		1000	250	ug/L		02/18/26 14:00	02/19/26 15:48	1
Magnesium, Dissolved	**66000**		1000	61	ug/L		02/18/26 14:00	02/19/26 15:48	1
Lithium, Dissolved	**13**		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:48	1
Sodium, Dissolved	**35000**		1000	880	ug/L		02/18/26 14:00	02/19/26 15:48	1
Potassium, Dissolved	**2700**		1000	220	ug/L		02/18/26 14:00	02/19/26 15:48	1
Manganese, Dissolved	**59**		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:48	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.7**		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 16:14	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 16:14	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 16:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	ND		1.0	0.27	mg/L			02/18/26 18:11	1
Total Organic Carbon (SM 5310 C-2014)	**1.4**		1.0	0.44	mg/L			02/20/26 23:07	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/12/26 15:17	1
Nitrate as N (SM4500 NO3 D)	**2.9**		0.20	0.070	mg/L			02/12/26 17:09	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-243270-1

Client Sample ID: L602185-11 MW-19C

Date Collected: 02/11/26 14:20
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243270-11

Matrix: Water

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**1.5**		0.50	0.041	mg/L		02/27/26 16:08	03/02/26 20:33	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:51	1
Barium, Dissolved	**33**		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:51	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:51	1
Cobalt, Dissolved	ND		1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:51	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:51	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:51	1
Molybdenum, Dissolved	ND		5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:51	1
Nickel, Dissolved	ND		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:51	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:51	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:51	1
Calcium, Dissolved	**59000**		1000	250	ug/L		02/18/26 14:00	02/19/26 15:51	1
Magnesium, Dissolved	**21000**		1000	61	ug/L		02/18/26 14:00	02/19/26 15:51	1
Lithium, Dissolved	**23**		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:51	1
Sodium, Dissolved	**46000**		1000	880	ug/L		02/18/26 14:00	02/19/26 15:51	1
Potassium, Dissolved	**7200**		1000	220	ug/L		02/18/26 14:00	02/19/26 15:51	1
Manganese, Dissolved	**16**		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:51	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.51**		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 16:23	1
Zinc, Dissolved	**0.0010**	**J B**	0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 16:23	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 16:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	**0.60**	**J**	1.0	0.27	mg/L			02/18/26 18:16	1
Total Organic Carbon (SM 5310 C-2014)	**0.49**	**J**	1.0	0.44	mg/L			02/21/26 00:22	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/12/26 15:14	1
Nitrate as N (SM4500 NO3 D)	**0.37**		0.20	0.070	mg/L			02/12/26 15:57	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-243270-1

Client Sample ID: L602185-12 MW-19D

Date Collected: 02/11/26 12:25
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243270-12

Matrix: Water

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**0.55**		0.50	0.041	mg/L		02/27/26 16:08	03/02/26 20:36	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:53	1
Barium, Dissolved	**50**		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:53	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:53	1
Cobalt, Dissolved	ND		1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:53	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:53	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:53	1
Molybdenum, Dissolved	**1.1**	**J**	5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:53	1
Nickel, Dissolved	ND		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:53	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:53	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:53	1
Calcium, Dissolved	**66000**		1000	250	ug/L		02/18/26 14:00	02/19/26 15:53	1
Magnesium, Dissolved	**24000**		1000	61	ug/L		02/18/26 14:00	02/19/26 15:53	1
Lithium, Dissolved	**20**		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:53	1
Sodium, Dissolved	**29000**		1000	880	ug/L		02/18/26 14:00	02/19/26 15:53	1
Potassium, Dissolved	**5300**		1000	220	ug/L		02/18/26 14:00	02/19/26 15:53	1
Manganese, Dissolved	**23**		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:53	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**0.65**		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 16:26	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 16:26	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	ND		1.0	0.27	mg/L			02/18/26 18:21	1
Total Organic Carbon (SM 5310 C-2014)	**1.6**		1.0	0.44	mg/L			02/21/26 00:46	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/12/26 15:12	1
Nitrate as N (SM4500 NO3 D)	**0.74**		0.20	0.070	mg/L			02/12/26 15:15	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-243270-1

Client Sample ID: L602185-13 MWT-7

Date Collected: 02/11/26 10:17
Date Received: 02/13/26 08:00

Lab Sample ID: 240-243270-13

Matrix: Water

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	**1.8**		0.50	0.041	mg/L		02/27/26 16:08	03/02/26 20:46	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**3.5**	**J**	5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:56	1
Barium, Dissolved	**50**		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:56	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:56	1
Cobalt, Dissolved	ND		1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:56	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:56	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:56	1
Molybdenum, Dissolved	**140**		5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:56	1
Nickel, Dissolved	ND		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:56	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:56	1
Vanadium, Dissolved	**0.85**	**J**	5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:56	1
Calcium, Dissolved	**110000**		1000	250	ug/L		02/18/26 14:00	02/19/26 15:56	1
Magnesium, Dissolved	**16000**		1000	61	ug/L		02/18/26 14:00	02/19/26 15:56	1
Lithium, Dissolved	**72**		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:56	1
Sodium, Dissolved	**74000**		1000	880	ug/L		02/18/26 14:00	02/19/26 15:56	1
Potassium, Dissolved	**8000**		1000	220	ug/L		02/18/26 14:00	02/19/26 15:56	1
Manganese, Dissolved	**180**		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:56	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	**1.0**		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 16:29	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 16:29	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 16:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	ND		1.0	0.27	mg/L			02/18/26 18:26	1
Total Organic Carbon (SM 5310 C-2014)	**5.0**		1.0	0.44	mg/L			02/21/26 01:10	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/12/26 15:11	1
Nitrate as N (SM4500 NO3 D)	**1.0**		0.20	0.070	mg/L			02/12/26 14:20	1

Client Sample ID: L602185-14 FIELD BLANK

Lab Sample ID: 240-243270-14

Date Collected: 02/11/26 07:50

Matrix: Water

Date Received: 02/13/26 08:00

Method: EPA 200.7 - Dissolved Metals by ICP - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	ND		0.50	0.041	mg/L		02/27/26 16:08	03/02/26 20:50	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		5.0	0.75	ug/L		02/18/26 14:00	02/19/26 15:59	1
Barium, Dissolved	ND		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 15:59	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/18/26 14:00	02/19/26 15:59	1
Cobalt, Dissolved	ND		1.0	0.086	ug/L		02/18/26 14:00	02/19/26 15:59	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 15:59	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 15:59	1
Molybdenum, Dissolved	ND		5.0	1.1	ug/L		02/18/26 14:00	02/19/26 15:59	1
Nickel, Dissolved	ND		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 15:59	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 15:59	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/18/26 14:00	02/19/26 15:59	1
Calcium, Dissolved	ND		1000	250	ug/L		02/18/26 14:00	02/19/26 15:59	1
Magnesium, Dissolved	ND		1000	61	ug/L		02/18/26 14:00	02/19/26 15:59	1
Lithium, Dissolved	ND		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 15:59	1
Sodium, Dissolved	ND		1000	880	ug/L		02/18/26 14:00	02/19/26 15:59	1
Potassium, Dissolved	ND		1000	220	ug/L		02/18/26 14:00	02/19/26 15:59	1
Manganese, Dissolved	ND		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 15:59	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 16:32	1
Zinc, Dissolved	ND		0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 16:32	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 16:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500-S2-F-2021)	**0.40**	**J**	1.0	0.27	mg/L			02/18/26 18:31	1
Total Organic Carbon (SM 5310 C-2014)	ND		1.0	0.44	mg/L			02/21/26 01:33	1
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			02/12/26 15:10	1
Nitrate as N (SM4500 NO3 D)	ND		0.20	0.070	mg/L			02/12/26 13:54	1

Method: 200.7 - Dissolved Metals by ICP

Lab Sample ID: MB 350-12921/1-A
Matrix: Water
Analysis Batch: 12965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	ND		0.50	0.041	mg/L		02/27/26 16:08	03/02/26 19:29	1

Lab Sample ID: LCS 350-12921/2-A
Matrix: Water
Analysis Batch: 12965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12921

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	5.00	5.17		mg/L		103	85 - 115

Lab Sample ID: 240-243270-1 MS
Matrix: Water
Analysis Batch: 12965

Client Sample ID: L602185-01 MW-5
Prep Type: Dissolved
Prep Batch: 12921

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	3.2		5.00	8.43		mg/L		105	70 - 130

Lab Sample ID: 240-243270-1 MSD
Matrix: Water
Analysis Batch: 12965

Client Sample ID: L602185-01 MW-5
Prep Type: Dissolved
Prep Batch: 12921

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron, Dissolved	3.2		5.00	8.35		mg/L		104	70 - 130	1	20

Lab Sample ID: 240-243270-2 MS
Matrix: Water
Analysis Batch: 12965

Client Sample ID: L602185-02 MW-7
Prep Type: Dissolved
Prep Batch: 12921

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	1.8		5.00	6.93		mg/L		102	70 - 130

Lab Sample ID: 240-243270-2 MSD
Matrix: Water
Analysis Batch: 12965

Client Sample ID: L602185-02 MW-7
Prep Type: Dissolved
Prep Batch: 12921

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron, Dissolved	1.8		5.00	6.97		mg/L		103	70 - 130	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 350-12921/1-A
Matrix: Water
Analysis Batch: 12967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.10	0.013	mg/L		02/27/26 16:08	03/02/26 15:07	1
Zinc, Dissolved	0.00269	J	0.0070	0.00093	mg/L		02/27/26 16:08	03/02/26 15:07	1
Aluminum, Dissolved	ND		0.040	0.0058	mg/L		02/27/26 16:08	03/02/26 15:07	1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 350-12921/2-A
Matrix: Water
Analysis Batch: 12967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12921

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron, Dissolved			20.0	19.8		mg/L		99	85 - 115		
Zinc, Dissolved			1.00	0.980		mg/L		98	85 - 115		
Aluminum, Dissolved			20.0	19.3		mg/L		97	85 - 115		

Lab Sample ID: 240-243270-1 MS
Matrix: Water
Analysis Batch: 12967

Client Sample ID: L602185-01 MW-5
Prep Type: Dissolved
Prep Batch: 12921

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron, Dissolved	ND		20.0	20.0		mg/L		100	70 - 130		
Zinc, Dissolved	0.0023	J B	1.00	0.971		mg/L		97	70 - 130		
Aluminum, Dissolved	ND		20.0	19.3		mg/L		96	70 - 130		

Lab Sample ID: 240-243270-1 MSD
Matrix: Water
Analysis Batch: 12967

Client Sample ID: L602185-01 MW-5
Prep Type: Dissolved
Prep Batch: 12921

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron, Dissolved	ND		20.0	19.9		mg/L		99	70 - 130	1	20
Zinc, Dissolved	0.0023	J B	1.00	0.953		mg/L		95	70 - 130	2	20
Aluminum, Dissolved	ND		20.0	19.3		mg/L		96	70 - 130	0	20

Lab Sample ID: 240-243270-2 MS
Matrix: Water
Analysis Batch: 12967

Client Sample ID: L602185-02 MW-7
Prep Type: Dissolved
Prep Batch: 12921

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron, Dissolved	0.99		20.0	18.9		mg/L		90	70 - 130		
Zinc, Dissolved	ND		1.00	0.868		mg/L		87	70 - 130		
Aluminum, Dissolved	ND		20.0	17.4		mg/L		87	70 - 130		

Lab Sample ID: 240-243270-2 MSD
Matrix: Water
Analysis Batch: 12967

Client Sample ID: L602185-02 MW-7
Prep Type: Dissolved
Prep Batch: 12921

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron, Dissolved	0.99		20.0	20.7		mg/L		99	70 - 130	9	20
Zinc, Dissolved	ND		1.00	0.944		mg/L		94	70 - 130	8	20
Aluminum, Dissolved	ND		20.0	18.9		mg/L		95	70 - 130	9	20

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: MB 240-690795/1-A
Matrix: Water
Analysis Batch: 690976

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 690795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		5.0	0.75	ug/L		02/18/26 14:00	02/19/26 10:54	1
Barium, Dissolved	ND		5.0	0.77	ug/L		02/18/26 14:00	02/19/26 10:54	1
Cadmium, Dissolved	ND		1.0	0.077	ug/L		02/18/26 14:00	02/19/26 10:54	1

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-690795/1-A
Matrix: Water
Analysis Batch: 690976

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 690795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	ND		1.0	0.086	ug/L		02/18/26 14:00	02/19/26 10:54	1
Chromium, Dissolved	ND		5.0	1.2	ug/L		02/18/26 14:00	02/19/26 10:54	1
Copper, Dissolved	ND		2.0	1.7	ug/L		02/18/26 14:00	02/19/26 10:54	1
Molybdenum, Dissolved	ND		5.0	1.1	ug/L		02/18/26 14:00	02/19/26 10:54	1
Nickel, Dissolved	ND		2.0	1.5	ug/L		02/18/26 14:00	02/19/26 10:54	1
Selenium, Dissolved	ND		5.0	0.89	ug/L		02/18/26 14:00	02/19/26 10:54	1
Vanadium, Dissolved	ND		5.0	0.82	ug/L		02/18/26 14:00	02/19/26 10:54	1
Calcium, Dissolved	ND		1000	250	ug/L		02/18/26 14:00	02/19/26 10:54	1
Magnesium, Dissolved	ND		1000	61	ug/L		02/18/26 14:00	02/19/26 10:54	1
Lithium, Dissolved	ND		8.0	3.4	ug/L		02/18/26 14:00	02/19/26 10:54	1
Sodium, Dissolved	ND		1000	880	ug/L		02/18/26 14:00	02/19/26 10:54	1
Potassium, Dissolved	ND		1000	220	ug/L		02/18/26 14:00	02/19/26 10:54	1
Manganese, Dissolved	ND		5.0	3.5	ug/L		02/18/26 14:00	02/19/26 10:54	1

Lab Sample ID: LCS 240-690795/2-A
Matrix: Water
Analysis Batch: 690976

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 690795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	1000	994		ug/L		99	85 - 115
Barium, Dissolved	1000	987		ug/L		99	85 - 115
Cadmium, Dissolved	500	498		ug/L		100	85 - 115
Cobalt, Dissolved	500	491		ug/L		98	85 - 115
Chromium, Dissolved	500	492		ug/L		98	85 - 115
Copper, Dissolved	500	486		ug/L		97	85 - 115
Molybdenum, Dissolved	500	496		ug/L		99	85 - 115
Nickel, Dissolved	500	485		ug/L		97	85 - 115
Selenium, Dissolved	1000	968		ug/L		97	85 - 115
Vanadium, Dissolved	500	501		ug/L		100	85 - 115
Calcium, Dissolved	25000	24700		ug/L		99	85 - 115
Magnesium, Dissolved	25000	25000		ug/L		100	85 - 115
Lithium, Dissolved	500	501		ug/L		100	85 - 115
Sodium, Dissolved	25000	25100		ug/L		100	85 - 115
Potassium, Dissolved	25000	25100		ug/L		101	85 - 115
Manganese, Dissolved	500	441		ug/L		88	85 - 115

Lab Sample ID: 240-243270-1 MS
Matrix: Water
Analysis Batch: 691006

Client Sample ID: L602185-01 MW-5
Prep Type: Dissolved
Prep Batch: 690795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.84	J	1000	1010		ug/L		101	70 - 130
Barium, Dissolved	38		1000	1040		ug/L		101	70 - 130
Cadmium, Dissolved	0.091	J	500	516		ug/L		103	70 - 130
Cobalt, Dissolved	0.20	J	500	493		ug/L		98	70 - 130
Chromium, Dissolved	ND		500	510		ug/L		102	70 - 130
Copper, Dissolved	ND		500	487		ug/L		97	70 - 130
Molybdenum, Dissolved	62		500	580		ug/L		104	70 - 130
Nickel, Dissolved	2.4		500	489		ug/L		97	70 - 130

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-243270-1 MS
Matrix: Water
Analysis Batch: 691006

Client Sample ID: L602185-01 MW-5
Prep Type: Dissolved
Prep Batch: 690795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium, Dissolved	ND		1000	979		ug/L		98	70 - 130
Vanadium, Dissolved	ND		500	522		ug/L		104	70 - 130
Calcium, Dissolved	120000		25000	155000	4	ug/L		136	70 - 130
Magnesium, Dissolved	26000		25000	53000		ug/L		107	70 - 130
Lithium, Dissolved	53		500	559		ug/L		101	70 - 130
Sodium, Dissolved	36000		25000	64000		ug/L		113	70 - 130
Potassium, Dissolved	3500		25000	29800		ug/L		105	70 - 130
Manganese, Dissolved	ND		500	455		ug/L		91	70 - 130

Lab Sample ID: 240-243270-1 MS
Matrix: Water
Analysis Batch: 691079

Client Sample ID: L602185-01 MW-5
Prep Type: Dissolved
Prep Batch: 690795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium, Dissolved	38000		25000	66300		ug/L		114	70 - 130
Potassium, Dissolved	4300	J	25000	29600		ug/L		101	70 - 130
Manganese, Dissolved	ND		500	476		ug/L		95	70 - 130

Lab Sample ID: 240-243270-1 MSD
Matrix: Water
Analysis Batch: 691006

Client Sample ID: L602185-01 MW-5
Prep Type: Dissolved
Prep Batch: 690795

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	0.84	J	1000	887		ug/L		89	70 - 130	13	20
Barium, Dissolved	38		1000	918		ug/L		88	70 - 130	13	20
Cadmium, Dissolved	0.091	J	500	459		ug/L		92	70 - 130	12	20
Cobalt, Dissolved	0.20	J	500	433		ug/L		87	70 - 130	13	20
Chromium, Dissolved	ND		500	452		ug/L		90	70 - 130	12	20
Copper, Dissolved	ND		500	430		ug/L		86	70 - 130	12	20
Molybdenum, Dissolved	62		500	513		ug/L		90	70 - 130	12	20
Nickel, Dissolved	2.4		500	430		ug/L		86	70 - 130	13	20
Selenium, Dissolved	ND		1000	871		ug/L		87	70 - 130	12	20
Vanadium, Dissolved	ND		500	462		ug/L		92	70 - 130	12	20
Calcium, Dissolved	120000		25000	135000	4	ug/L		58	70 - 130	14	20
Magnesium, Dissolved	26000		25000	46700		ug/L		82	70 - 130	13	20
Lithium, Dissolved	53		500	510		ug/L		91	70 - 130	9	20
Sodium, Dissolved	36000		25000	56400		ug/L		82	70 - 130	13	20
Potassium, Dissolved	3500		25000	26200		ug/L		91	70 - 130	13	20
Manganese, Dissolved	ND		500	402		ug/L		80	70 - 130	12	20

Lab Sample ID: 240-243270-1 MSD
Matrix: Water
Analysis Batch: 691079

Client Sample ID: L602185-01 MW-5
Prep Type: Dissolved
Prep Batch: 690795

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium, Dissolved	38000		25000	57200		ug/L		78	70 - 130	15	20
Potassium, Dissolved	4300	J	25000	25700		ug/L		85	70 - 130	14	20
Manganese, Dissolved	ND		500	414		ug/L		83	70 - 130	14	20

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-243270-2 MS
Matrix: Water
Analysis Batch: 691006

Client Sample ID: L602185-02 MW-7
Prep Type: Dissolved
Prep Batch: 690795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	3.9	J	1000	925		ug/L		92	70 - 130
Barium, Dissolved	47		1000	954		ug/L		91	70 - 130
Cadmium, Dissolved	0.24	J	500	477		ug/L		95	70 - 130
Cobalt, Dissolved	0.26	J	500	454		ug/L		91	70 - 130
Chromium, Dissolved	ND		500	474		ug/L		95	70 - 130
Copper, Dissolved	ND		500	449		ug/L		90	70 - 130
Molybdenum, Dissolved	130		500	604		ug/L		94	70 - 130
Nickel, Dissolved	ND		500	449		ug/L		90	70 - 130
Selenium, Dissolved	1.1	J	1000	909		ug/L		91	70 - 130
Vanadium, Dissolved	0.92	J	500	480		ug/L		96	70 - 130
Calcium, Dissolved	100000		25000	127000	4	ug/L		98	70 - 130
Magnesium, Dissolved	15000		25000	38600		ug/L		96	70 - 130
Lithium, Dissolved	69		500	531		ug/L		92	70 - 130
Sodium, Dissolved	67000		25000	91400		ug/L		97	70 - 130
Potassium, Dissolved	7400		25000	32000		ug/L		98	70 - 130
Manganese, Dissolved	170		500	592		ug/L		84	70 - 130

Lab Sample ID: 240-243270-2 MS
Matrix: Water
Analysis Batch: 691079

Client Sample ID: L602185-02 MW-7
Prep Type: Dissolved
Prep Batch: 690795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium, Dissolved	68000		25000	99900		ug/L		129	70 - 130
Potassium, Dissolved	7700	J	25000	31700		ug/L		96	70 - 130
Manganese, Dissolved	170		500	615		ug/L		89	70 - 130

Lab Sample ID: 240-243270-2 MSD
Matrix: Water
Analysis Batch: 691006

Client Sample ID: L602185-02 MW-7
Prep Type: Dissolved
Prep Batch: 690795

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	3.9	J	1000	900		ug/L		90	70 - 130	3	20
Barium, Dissolved	47		1000	936		ug/L		89	70 - 130	2	20
Cadmium, Dissolved	0.24	J	500	462		ug/L		92	70 - 130	3	20
Cobalt, Dissolved	0.26	J	500	440		ug/L		88	70 - 130	3	20
Chromium, Dissolved	ND		500	458		ug/L		92	70 - 130	3	20
Copper, Dissolved	ND		500	437		ug/L		87	70 - 130	3	20
Molybdenum, Dissolved	130		500	588		ug/L		91	70 - 130	3	20
Nickel, Dissolved	ND		500	436		ug/L		87	70 - 130	3	20
Selenium, Dissolved	1.1	J	1000	871		ug/L		87	70 - 130	4	20
Vanadium, Dissolved	0.92	J	500	467		ug/L		93	70 - 130	3	20
Calcium, Dissolved	100000		25000	122000	4	ug/L		81	70 - 130	3	20
Magnesium, Dissolved	15000		25000	37500		ug/L		91	70 - 130	3	20
Lithium, Dissolved	69		500	533		ug/L		93	70 - 130	0	20
Sodium, Dissolved	67000		25000	88300		ug/L		84	70 - 130	4	20
Potassium, Dissolved	7400		25000	30800		ug/L		94	70 - 130	4	20
Manganese, Dissolved	170		500	571		ug/L		80	70 - 130	4	20

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-243270-2 MSD
Matrix: Water
Analysis Batch: 691079

Client Sample ID: L602185-02 MW-7
Prep Type: Dissolved
Prep Batch: 690795

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium, Dissolved	68000		25000	96400		ug/L		115	70 - 130	4	20
Potassium, Dissolved	7700	J	25000	30400		ug/L		91	70 - 130	4	20
Manganese, Dissolved	170		500	589		ug/L		84	70 - 130	4	20

Method: 4500-S2-F-2021 - Sulfide, Total

Lab Sample ID: MB 240-690869/1
Matrix: Water
Analysis Batch: 690869

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.27	mg/L			02/18/26 17:11	1

Lab Sample ID: LCS 240-690869/2
Matrix: Water
Analysis Batch: 690869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	20.8	21.0		mg/L		101	90 - 110

Lab Sample ID: 240-243270-1 MS
Matrix: Water
Analysis Batch: 690869

Client Sample ID: L602185-01 MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.40	J	20.8	20.4		mg/L		96	74 - 120

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav

Lab Sample ID: MB 240-691229/5
Matrix: Water
Analysis Batch: 691229

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.44	mg/L			02/20/26 15:07	1

Lab Sample ID: LCS 240-691229/21
Matrix: Water
Analysis Batch: 691229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	24.9		mg/L		88	85 - 115
TOC Result 1	28.4	25.4		mg/L		89	85 - 115
TOC Result 2	28.4	24.6		mg/L		87	85 - 115

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav (Continued)

Lab Sample ID: LCS 240-691229/6
Matrix: Water
Analysis Batch: 691229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	28.4	25.0		mg/L		88	85 - 115
TOC Result 1	28.4	25.5		mg/L		90	85 - 115
TOC Result 2	28.4	24.8		mg/L		87	85 - 115

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 190-13194/4
Matrix: Water
Analysis Batch: 13194

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.0097	mg/L			02/12/26 14:27	1

Lab Sample ID: LCS 190-13194/3
Matrix: Water
Analysis Batch: 13194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.250	0.264		mg/L		106	90 - 110

Lab Sample ID: 240-243270-5 MS
Matrix: Water
Analysis Batch: 13194

Client Sample ID: L602185-05 MW-18A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	ND		0.250	0.241		mg/L		96	75 - 125

Lab Sample ID: 240-243270-5 MSD
Matrix: Water
Analysis Batch: 13194

Client Sample ID: L602185-05 MW-18A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND		0.250	0.244		mg/L		98	75 - 125	1	20

Method: SM4500 NO3 D - Nitrogen, Nitrate

Lab Sample ID: MB 190-13202/3
Matrix: Water
Analysis Batch: 13202

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.070	mg/L			02/12/26 12:52	1

Lab Sample ID: LCS 190-13202/4
Matrix: Water
Analysis Batch: 13202

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	10.0	9.91		mg/L		99	90 - 110

Method: SM4500 NO3 D - Nitrogen, Nitrate (Continued)

Lab Sample ID: 240-243270-7 MS
Matrix: Water
Analysis Batch: 13202

Client Sample ID: L602185-07 MW-18C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	1.1		10.0	12.8		mg/L		117	75 - 125		

Lab Sample ID: 240-243270-7 MSD
Matrix: Water
Analysis Batch: 13202

Client Sample ID: L602185-07 MW-18C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	1.1		10.0	12.3		mg/L		112	75 - 125	3	20

Lab Sample ID: 240-243270-9 MS
Matrix: Water
Analysis Batch: 13202

Client Sample ID: L602185-09 MW-19A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	2.2		10.0	14.1		mg/L		119	75 - 125		

Lab Sample ID: 240-243270-9 MSD
Matrix: Water
Analysis Batch: 13202

Client Sample ID: L602185-09 MW-19A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	2.2		10.0	14.5		mg/L		124	75 - 125	3	20

Metals

Prep Batch: 12921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-1	L602185-01 MW-5	Dissolved	Water	200.7	
240-243270-2	L602185-02 MW-7	Dissolved	Water	200.7	
240-243270-3	L602185-03 MW-7D	Dissolved	Water	200.7	
240-243270-4	L602185-04 MW-14	Dissolved	Water	200.7	
240-243270-5	L602185-05 MW-18A	Dissolved	Water	200.7	
240-243270-6	L602185-06 MW-18B	Dissolved	Water	200.7	
240-243270-7	L602185-07 MW-18C	Dissolved	Water	200.7	
240-243270-8	L602185-08 MW-18D	Dissolved	Water	200.7	
240-243270-9	L602185-09 MW-19A	Dissolved	Water	200.7	
240-243270-10	L602185-10 MW-19B	Dissolved	Water	200.7	
240-243270-11	L602185-11 MW-19C	Dissolved	Water	200.7	
240-243270-12	L602185-12 MW-19D	Dissolved	Water	200.7	
240-243270-13	L602185-13 MWT-7	Dissolved	Water	200.7	
240-243270-14	L602185-14 FIELD BLANK	Dissolved	Water	200.7	
MB 350-12921/1-A	Method Blank	Total/NA	Water	200.7	
LCS 350-12921/2-A	Lab Control Sample	Total/NA	Water	200.7	
240-243270-1 MS	L602185-01 MW-5	Dissolved	Water	200.7	
240-243270-1 MSD	L602185-01 MW-5	Dissolved	Water	200.7	
240-243270-2 MS	L602185-02 MW-7	Dissolved	Water	200.7	
240-243270-2 MSD	L602185-02 MW-7	Dissolved	Water	200.7	

Analysis Batch: 12965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-1	L602185-01 MW-5	Dissolved	Water	200.7	12921
240-243270-2	L602185-02 MW-7	Dissolved	Water	200.7	12921
240-243270-3	L602185-03 MW-7D	Dissolved	Water	200.7	12921
240-243270-4	L602185-04 MW-14	Dissolved	Water	200.7	12921
240-243270-5	L602185-05 MW-18A	Dissolved	Water	200.7	12921
240-243270-6	L602185-06 MW-18B	Dissolved	Water	200.7	12921
240-243270-7	L602185-07 MW-18C	Dissolved	Water	200.7	12921
240-243270-8	L602185-08 MW-18D	Dissolved	Water	200.7	12921
240-243270-9	L602185-09 MW-19A	Dissolved	Water	200.7	12921
240-243270-10	L602185-10 MW-19B	Dissolved	Water	200.7	12921
240-243270-11	L602185-11 MW-19C	Dissolved	Water	200.7	12921
240-243270-12	L602185-12 MW-19D	Dissolved	Water	200.7	12921
240-243270-13	L602185-13 MWT-7	Dissolved	Water	200.7	12921
240-243270-14	L602185-14 FIELD BLANK	Dissolved	Water	200.7	12921
MB 350-12921/1-A	Method Blank	Total/NA	Water	200.7	12921
LCS 350-12921/2-A	Lab Control Sample	Total/NA	Water	200.7	12921
240-243270-1 MS	L602185-01 MW-5	Dissolved	Water	200.7	12921
240-243270-1 MSD	L602185-01 MW-5	Dissolved	Water	200.7	12921
240-243270-2 MS	L602185-02 MW-7	Dissolved	Water	200.7	12921
240-243270-2 MSD	L602185-02 MW-7	Dissolved	Water	200.7	12921

Analysis Batch: 12967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-1	L602185-01 MW-5	Dissolved	Water	200.8	12921
240-243270-2	L602185-02 MW-7	Dissolved	Water	200.8	12921
240-243270-3	L602185-03 MW-7D	Dissolved	Water	200.8	12921
240-243270-4	L602185-04 MW-14	Dissolved	Water	200.8	12921
240-243270-4	L602185-04 MW-14	Dissolved	Water	200.8	12921

Metals (Continued)

Analysis Batch: 12967 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-5	L602185-05 MW-18A	Dissolved	Water	200.8	12921
240-243270-6	L602185-06 MW-18B	Dissolved	Water	200.8	12921
240-243270-7	L602185-07 MW-18C	Dissolved	Water	200.8	12921
240-243270-8	L602185-08 MW-18D	Dissolved	Water	200.8	12921
240-243270-9	L602185-09 MW-19A	Dissolved	Water	200.8	12921
240-243270-10	L602185-10 MW-19B	Dissolved	Water	200.8	12921
240-243270-11	L602185-11 MW-19C	Dissolved	Water	200.8	12921
240-243270-12	L602185-12 MW-19D	Dissolved	Water	200.8	12921
240-243270-13	L602185-13 MWT-7	Dissolved	Water	200.8	12921
240-243270-14	L602185-14 FIELD BLANK	Dissolved	Water	200.8	12921
MB 350-12921/1-A	Method Blank	Total/NA	Water	200.8	12921
LCS 350-12921/2-A	Lab Control Sample	Total/NA	Water	200.8	12921
240-243270-1 MS	L602185-01 MW-5	Dissolved	Water	200.8	12921
240-243270-1 MSD	L602185-01 MW-5	Dissolved	Water	200.8	12921
240-243270-2 MS	L602185-02 MW-7	Dissolved	Water	200.8	12921
240-243270-2 MSD	L602185-02 MW-7	Dissolved	Water	200.8	12921

Prep Batch: 690795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-1	L602185-01 MW-5	Dissolved	Water	200.8-1994 R5.4	
240-243270-2	L602185-02 MW-7	Dissolved	Water	200.8-1994 R5.4	
240-243270-3	L602185-03 MW-7D	Dissolved	Water	200.8-1994 R5.4	
240-243270-4	L602185-04 MW-14	Dissolved	Water	200.8-1994 R5.4	
240-243270-5	L602185-05 MW-18A	Dissolved	Water	200.8-1994 R5.4	
240-243270-6	L602185-06 MW-18B	Dissolved	Water	200.8-1994 R5.4	
240-243270-7	L602185-07 MW-18C	Dissolved	Water	200.8-1994 R5.4	
240-243270-8	L602185-08 MW-18D	Dissolved	Water	200.8-1994 R5.4	
240-243270-9	L602185-09 MW-19A	Dissolved	Water	200.8-1994 R5.4	
240-243270-10	L602185-10 MW-19B	Dissolved	Water	200.8-1994 R5.4	
240-243270-11	L602185-11 MW-19C	Dissolved	Water	200.8-1994 R5.4	
240-243270-12	L602185-12 MW-19D	Dissolved	Water	200.8-1994 R5.4	
240-243270-13	L602185-13 MWT-7	Dissolved	Water	200.8-1994 R5.4	
240-243270-14	L602185-14 FIELD BLANK	Dissolved	Water	200.8-1994 R5.4	
MB 240-690795/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-690795/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	
240-243270-1 MS	L602185-01 MW-5	Dissolved	Water	200.8-1994 R5.4	
240-243270-1 MSD	L602185-01 MW-5	Dissolved	Water	200.8-1994 R5.4	
240-243270-2 MS	L602185-02 MW-7	Dissolved	Water	200.8-1994 R5.4	
240-243270-2 MSD	L602185-02 MW-7	Dissolved	Water	200.8-1994 R5.4	

Analysis Batch: 690976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-690795/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	690795
LCS 240-690795/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	690795

Analysis Batch: 691006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-1	L602185-01 MW-5	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-2	L602185-02 MW-7	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-3	L602185-03 MW-7D	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-4	L602185-04 MW-14	Dissolved	Water	200.8-1994 R5.4	690795

Metals (Continued)

Analysis Batch: 691006 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-5	L602185-05 MW-18A	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-6	L602185-06 MW-18B	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-7	L602185-07 MW-18C	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-8	L602185-08 MW-18D	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-9	L602185-09 MW-19A	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-10	L602185-10 MW-19B	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-11	L602185-11 MW-19C	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-12	L602185-12 MW-19D	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-13	L602185-13 MWT-7	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-14	L602185-14 FIELD BLANK	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-1 MS	L602185-01 MW-5	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-1 MSD	L602185-01 MW-5	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-2 MS	L602185-02 MW-7	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-2 MSD	L602185-02 MW-7	Dissolved	Water	200.8-1994 R5.4	690795

Analysis Batch: 691079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-1 MS	L602185-01 MW-5	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-1 MSD	L602185-01 MW-5	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-2 MS	L602185-02 MW-7	Dissolved	Water	200.8-1994 R5.4	690795
240-243270-2 MSD	L602185-02 MW-7	Dissolved	Water	200.8-1994 R5.4	690795

General Chemistry

Analysis Batch: 13194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-1	L602185-01 MW-5	Total/NA	Water	SM 4500 NO2 B	
240-243270-2	L602185-02 MW-7	Total/NA	Water	SM 4500 NO2 B	
240-243270-3	L602185-03 MW-7D	Total/NA	Water	SM 4500 NO2 B	
240-243270-4	L602185-04 MW-14	Total/NA	Water	SM 4500 NO2 B	
240-243270-5	L602185-05 MW-18A	Total/NA	Water	SM 4500 NO2 B	
240-243270-6	L602185-06 MW-18B	Total/NA	Water	SM 4500 NO2 B	
240-243270-7	L602185-07 MW-18C	Total/NA	Water	SM 4500 NO2 B	
240-243270-8	L602185-08 MW-18D	Total/NA	Water	SM 4500 NO2 B	
240-243270-9	L602185-09 MW-19A	Total/NA	Water	SM 4500 NO2 B	
240-243270-10	L602185-10 MW-19B	Total/NA	Water	SM 4500 NO2 B	
240-243270-11	L602185-11 MW-19C	Total/NA	Water	SM 4500 NO2 B	
240-243270-12	L602185-12 MW-19D	Total/NA	Water	SM 4500 NO2 B	
240-243270-13	L602185-13 MWT-7	Total/NA	Water	SM 4500 NO2 B	
240-243270-14	L602185-14 FIELD BLANK	Total/NA	Water	SM 4500 NO2 B	
MB 190-13194/4	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 190-13194/3	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
240-243270-5 MS	L602185-05 MW-18A	Total/NA	Water	SM 4500 NO2 B	
240-243270-5 MSD	L602185-05 MW-18A	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 13202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-1	L602185-01 MW-5	Total/NA	Water	SM4500 NO3 D	
240-243270-2	L602185-02 MW-7	Total/NA	Water	SM4500 NO3 D	
240-243270-3	L602185-03 MW-7D	Total/NA	Water	SM4500 NO3 D	
240-243270-4	L602185-04 MW-14	Total/NA	Water	SM4500 NO3 D	

General Chemistry (Continued)

Analysis Batch: 13202 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-5	L602185-05 MW-18A	Total/NA	Water	SM4500 NO3 D	
240-243270-6	L602185-06 MW-18B	Total/NA	Water	SM4500 NO3 D	
240-243270-7	L602185-07 MW-18C	Total/NA	Water	SM4500 NO3 D	
240-243270-8	L602185-08 MW-18D	Total/NA	Water	SM4500 NO3 D	
240-243270-9	L602185-09 MW-19A	Total/NA	Water	SM4500 NO3 D	
240-243270-10	L602185-10 MW-19B	Total/NA	Water	SM4500 NO3 D	
240-243270-11	L602185-11 MW-19C	Total/NA	Water	SM4500 NO3 D	
240-243270-12	L602185-12 MW-19D	Total/NA	Water	SM4500 NO3 D	
240-243270-13	L602185-13 MWT-7	Total/NA	Water	SM4500 NO3 D	
240-243270-14	L602185-14 FIELD BLANK	Total/NA	Water	SM4500 NO3 D	
MB 190-13202/3	Method Blank	Total/NA	Water	SM4500 NO3 D	
LCS 190-13202/4	Lab Control Sample	Total/NA	Water	SM4500 NO3 D	
240-243270-7 MS	L602185-07 MW-18C	Total/NA	Water	SM4500 NO3 D	
240-243270-7 MSD	L602185-07 MW-18C	Total/NA	Water	SM4500 NO3 D	
240-243270-9 MS	L602185-09 MW-19A	Total/NA	Water	SM4500 NO3 D	
240-243270-9 MSD	L602185-09 MW-19A	Total/NA	Water	SM4500 NO3 D	

Analysis Batch: 690869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-1	L602185-01 MW-5	Total/NA	Water	4500-S2-F-2021	
240-243270-2	L602185-02 MW-7	Total/NA	Water	4500-S2-F-2021	
240-243270-3	L602185-03 MW-7D	Total/NA	Water	4500-S2-F-2021	
240-243270-4	L602185-04 MW-14	Total/NA	Water	4500-S2-F-2021	
240-243270-5	L602185-05 MW-18A	Total/NA	Water	4500-S2-F-2021	
240-243270-6	L602185-06 MW-18B	Total/NA	Water	4500-S2-F-2021	
240-243270-7	L602185-07 MW-18C	Total/NA	Water	4500-S2-F-2021	
240-243270-8	L602185-08 MW-18D	Total/NA	Water	4500-S2-F-2021	
240-243270-9	L602185-09 MW-19A	Total/NA	Water	4500-S2-F-2021	
240-243270-10	L602185-10 MW-19B	Total/NA	Water	4500-S2-F-2021	
240-243270-11	L602185-11 MW-19C	Total/NA	Water	4500-S2-F-2021	
240-243270-12	L602185-12 MW-19D	Total/NA	Water	4500-S2-F-2021	
240-243270-13	L602185-13 MWT-7	Total/NA	Water	4500-S2-F-2021	
240-243270-14	L602185-14 FIELD BLANK	Total/NA	Water	4500-S2-F-2021	
MB 240-690869/1	Method Blank	Total/NA	Water	4500-S2-F-2021	
LCS 240-690869/2	Lab Control Sample	Total/NA	Water	4500-S2-F-2021	
240-243270-1 MS	L602185-01 MW-5	Total/NA	Water	4500-S2-F-2021	

Analysis Batch: 691229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-1	L602185-01 MW-5	Total/NA	Water	5310 C-2014	
240-243270-2	L602185-02 MW-7	Total/NA	Water	5310 C-2014	
240-243270-3	L602185-03 MW-7D	Total/NA	Water	5310 C-2014	
240-243270-4	L602185-04 MW-14	Total/NA	Water	5310 C-2014	
240-243270-5	L602185-05 MW-18A	Total/NA	Water	5310 C-2014	
240-243270-6	L602185-06 MW-18B	Total/NA	Water	5310 C-2014	
240-243270-7	L602185-07 MW-18C	Total/NA	Water	5310 C-2014	
240-243270-8	L602185-08 MW-18D	Total/NA	Water	5310 C-2014	
240-243270-9	L602185-09 MW-19A	Total/NA	Water	5310 C-2014	
240-243270-10	L602185-10 MW-19B	Total/NA	Water	5310 C-2014	
240-243270-11	L602185-11 MW-19C	Total/NA	Water	5310 C-2014	
240-243270-12	L602185-12 MW-19D	Total/NA	Water	5310 C-2014	

General Chemistry (Continued)

Analysis Batch: 691229 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243270-13	L602185-13 MWT-7	Total/NA	Water	5310 C-2014	
240-243270-14	L602185-14 FIELD BLANK	Total/NA	Water	5310 C-2014	
MB 240-691229/5	Method Blank	Total/NA	Water	5310 C-2014	
LCS 240-691229/21	Lab Control Sample	Total/NA	Water	5310 C-2014	
LCS 240-691229/6	Lab Control Sample	Total/NA	Water	5310 C-2014	

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-243270-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L602185-01 MW-5
Lab Sample ID: 240-243270-1
Date Collected: 02/11/26 17:17
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 19:35
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 15:18
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:03
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 17:21
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/20/26 17:06
Total/NA	Analysis	SM 4500 NO2 B		1	13194	JED	EET MI	02/12/26 15:18
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 18:07

Client Sample ID: L602185-02 MW-7
Lab Sample ID: 240-243270-2
Date Collected: 02/11/26 10:00
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 19:51
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 15:34
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:11
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 17:31
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/20/26 17:30
Total/NA	Analysis	SM 4500 NO2 B		1	13194	JED	EET MI	02/12/26 15:11
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 14:10

Client Sample ID: L602185-03 MW-7D
Lab Sample ID: 240-243270-3
Date Collected: 02/11/26 12:01
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 20:07
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 15:50
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:18
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 17:36
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/20/26 17:54
Total/NA	Analysis	SM 4500 NO2 B		1	13194	JED	EET MI	02/12/26 15:12
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 14:38

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-243270-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L602185-04 MW-14
Lab Sample ID: 240-243270-4
Date Collected: 02/11/26 09:55
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 20:10
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 15:53
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		5	12967	JL	EET SSM	03/02/26 15:56
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:21
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 17:41
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/20/26 18:18
Total/NA	Analysis	SM 4500 NO2 B		5	13194	JED	EET MI	02/12/26 15:18
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 14:01

Client Sample ID: L602185-05 MW-18A
Lab Sample ID: 240-243270-5
Date Collected: 02/11/26 13:28
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 20:13
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 15:59
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:24
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 17:46
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/20/26 19:32
Total/NA	Analysis	SM 4500 NO2 B		1	13194	JED	EET MI	02/12/26 15:14
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 15:50

Client Sample ID: L602185-06 MW-18B
Lab Sample ID: 240-243270-6
Date Collected: 02/11/26 02:32
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 20:17
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 16:02
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:26
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 17:51
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/20/26 19:56
Total/NA	Analysis	SM 4500 NO2 B		1	13194	JED	EET MI	02/12/26 15:16
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 16:06

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-243270-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L602185-07 MW-18C
Lab Sample ID: 240-243270-7
Date Collected: 02/11/26 03:35
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 20:20
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 16:05
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:34
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 17:56
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/20/26 20:20
Total/NA	Analysis	SM 4500 NO2 B		1	13194	JED	EET MI	02/12/26 15:17
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 16:18

Client Sample ID: L602185-08 MW-18D
Lab Sample ID: 240-243270-8
Date Collected: 02/11/26 16:42
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 20:23
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 16:08
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:43
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 18:01
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/20/26 20:44
Total/NA	Analysis	SM 4500 NO2 B		1	13194	JED	EET MI	02/12/26 15:17
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 17:57

Client Sample ID: L602185-09 MW-19A
Lab Sample ID: 240-243270-9
Date Collected: 02/11/26 17:50
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 20:26
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 16:11
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:45
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 18:06
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/20/26 21:08
Total/NA	Analysis	SM 4500 NO2 B		1	13194	JED	EET MI	02/12/26 15:18
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 18:59

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-243270-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L602185-10 MW-19B
Lab Sample ID: 240-243270-10
Date Collected: 02/11/26 16:20
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 20:30
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 16:14
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:48
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 18:11
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/20/26 23:07
Total/NA	Analysis	SM 4500 NO2 B		1	13194	JED	EET MI	02/12/26 15:17
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 17:09

Client Sample ID: L602185-11 MW-19C
Lab Sample ID: 240-243270-11
Date Collected: 02/11/26 14:20
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 20:33
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 16:23
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:51
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 18:16
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/21/26 00:22
Total/NA	Analysis	SM 4500 NO2 B		1	13194	JED	EET MI	02/12/26 15:14
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 15:57

Client Sample ID: L602185-12 MW-19D
Lab Sample ID: 240-243270-12
Date Collected: 02/11/26 12:25
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 20:36
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 16:26
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:53
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 18:21
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/21/26 00:46
Total/NA	Analysis	SM 4500 NO2 B		1	13194	JED	EET MI	02/12/26 15:12
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 15:15

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-243270-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L602185-13 MWT-7
Lab Sample ID: 240-243270-13
Date Collected: 02/11/26 10:17
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 20:46
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 16:29
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:56
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 18:26
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/21/26 01:10
Total/NA	Analysis	SM 4500 NO2 B		1	13194	JED	EET MI	02/12/26 15:11
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 14:20

Client Sample ID: L602185-14 FIELD BLANK
Lab Sample ID: 240-243270-14
Date Collected: 02/11/26 07:50
Matrix: Water
Date Received: 02/13/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.7		1	12965	JLS	EET SSM	03/02/26 20:50
Dissolved	Prep	200.7			12921	RMN	EET SSM	02/27/26 16:08
Dissolved	Analysis	200.8		1	12967	JL	EET SSM	03/02/26 16:32
Dissolved	Prep	200.8-1994 R5.4			690795	TQ6W	EET CLE	02/18/26 14:00
Dissolved	Analysis	200.8-1994 R5.4		1	691006	S4FJ	EET CLE	02/19/26 15:59
Total/NA	Analysis	4500-S2-F-2021		1	690869	VH6H	EET CLE	02/18/26 18:31
Total/NA	Analysis	5310 C-2014		1	691229	PQD2	EET CLE	02/21/26 01:33
Total/NA	Analysis	SM 4500 NO2 B		1	13194	JED	EET MI	02/12/26 15:10
Total/NA	Analysis	SM4500 NO3 D		1	13202	JED	EET MI	02/12/26 13:54

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Job ID: 240-243270-1
Project/Site: Erickson Project - MNA Tier II Geochem

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-26

Laboratory: Eurofins Michigan

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Michigan	State	9180	08-07-28

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
Arizona	State	AZ0854	01-13-27
California	State	2954	07-07-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	06-30-26
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167	07-07-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-25-24-59583A1	01-24-28
Washington	State	C788	07-13-26
Wisconsin	State	399133460	08-31-26

k: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name: Jennifer Caporale
Address : 1110 South Pennsylvania
Address 2:
City, State Zip: Lansing, Michigan 48901
Phone: 517-702-6482
Email: Jennifer.Caporale@LBWL.com
Deliverables:

Project Info

Company: Lansing Board of Water & Light
Purchase Order: Contract number 4600002189
Work Order:
Requested TAT:
Project Number: 24034575
Sample State: MI
Special Instructions: Dissolved metals filtered in field.

Project Manager: Howell, Leslie
Project Reference:
Sampler: Marc Wahrer and Franklin Davis Ray
Description: Erickson Project - MNA Tier II Geochem
Site Name: Erickson Projects

240-243270 COC

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM4500_NO3_D Nitrate [190]	5310C TOC [240]	SM4500_NO2_B Nitrite [190]	SM4500_S2_D Total Sulfide [ROU]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	Voa Vial 40ml - with Sulfuric Acid	Plastic 250ml - with Zinc Acetate & NaOH	Plastic 500ml - w/ Nitric - Dis.	Plastic 1 liter Wide - Unpreserved	Total Bottles For Sample
1	L602185-01 MW-5	Grab	Water	02/11/26 17:17				X	X	X	X	X	3	1	1	1	6
2	L602185-02 MW-7	Grab	Water	02/11/26 10:00				X	X	X	X	X	3	1	1	1	6
3	L602185-03 MW-7D	Grab	Water	02/11/26 12:01				X	X	X	X	X	3	1	1	1	6
4	L602185-04 MW-14	Grab	Water	02/11/26 09:55				X	X	X	X	X	3	1	1	1	6
5	L602185-05 MW-18A	Grab	Water	02/11/26 13:28				X	X	X	X	X	3	1	1	1	6
6	L602185-06 MW-18B	Grab	Water	02/11/26 02:32				X	X	X	X	X	3	1	1	1	6
7	L602185-07 MW-18C	Grab	Water	02/11/26 03:35				X	X	X	X	X	3	1	1	1	6
8	L602185-08 MW-18D	Grab	Water	02/11/26 16:42				X	X	X	X	X	3	1	1	1	6
9	L602185-09 MW-19A	Grab	Water	02/11/26 17:50				X	X	X	X	X	3	1	1	1	6
10	L602185-10 MW-19B	Grab	Water	02/11/26 16:20				X	X	X	X	X	3	1	1	1	6
11	L602185-11 MW-19C	Grab	Water	02/11/26 14:20				X	X	X	X	X	3	1	1	1	6
12	L602185-12 MW-19D	Grab	Water	02/11/26 12:25				X	X	X	X	X	3	1	1	1	6

Chain of Custody Number: 460459

*H – Analysis on hold.

Chain of Custody

eurofins | Environment Testing

Contains Rush Work. ☐ Contains Methods That May Expire Soon ☐

Client Contact Info

Name:
Jennifer Caporale

Address
1110 South Pennsylvania

Address 2:

City State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company
Lansing Board of Water & Light

Purchase Order
Contract number 4600002189

Work Order

Requested TAT

Project Number
24034575

Sample State: MI

Special Instructions.
Dissolved metals filtered in field.

Project Manager
Howell, Leslie

Project Reference:

Sampler
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Project MNA Tier II Geochem

Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM4500_NO3_D Nitrate [190]	5310C TOC [240]	SM4500_NO2_B Nitrite [190]	SM4500_S2_D Total Sulfide [ROU]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	Voa Vial 40ml with Sulfuric Acid	Plastic 250ml with Zinc Acetate & NaOH	Plastic 500ml w/ Nitric Dis.	Plastic 1 liter Wide Unpreserved	Total Bottles For Sample
13	L602185-13 MWT-7	Grab	Water	02/11/26 10:17				X	X	X	X	X	3	1	1	1	6
14	L602185-14 Field Blank	Grab	Water	02/11/26 07:50				X	X	X	X	X	3	1	1	1	6

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By	Date/Time:	Samples Relinquished By	Date/Time:	Samples Received By	Date/Time:	
Jennifer Caporale	02/12/26 09:33	Jennifer Caporale	02/12/26 09:33	Melnichenko, Jon	02/13/26 08:56	JCollins 2/13/26 $00

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260212A003								
MIC20260212A005								
MIC20260212A005								

Eurofins – Cleveland Sample Receipt Form/Narrative Login # _____
Barberton Facility

Client Lansing Board of Water & Light Site Name _____ Cooler unpacked by: JC

Cooler Received on 2-13-26 Opened on 2-16-26

FedEx. 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # 20 Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☑ See Multiple Cooler Form

IR GUN # 17 (CF 0.5 °C) Observed Cooler Temp. ___.___ °C Corrected Cooler Temp. ___.___ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	(No)
4. Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(N)
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12 Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC567196
14 Were VOAs on the COC?	Yes	(No)
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No (NA)
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	(No)
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by ASL

Labels Verified by

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 17	0.8	1.2	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	0.7	1.4	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	0.2	0.8	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.3	2.0	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.2	1.9	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	0.4	1.1	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
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EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

2/17/2026

Login Container Summary Report

240-243270

4/14/2026 (Rev. 2)

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602185-01 MW-5	240-243270-J-1	Plastic 250ml - w/nitric - dis	<2			
L602185-01 MW-5	240-243270-K-1	Plastic 500ml - w/ Nitric - Dis.	<2			
L602185-01 MW-5	240-243270-L-1	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-01 MW-5	240-243270-M-1	Voa Vial 40ml - with Sulfuric Acid				
L602185-01 MW-5	240-243270-N-1	Voa Vial 40ml - with Sulfuric Acid				
L602185-01 MW-5	240-243270-O-1	Voa Vial 40ml - with Sulfuric Acid				
L602185-02 MW-7	240-243270-I-2	Plastic 250ml - w/nitric - dis	<2			
L602185-02 MW-7	240-243270-J-2	Plastic 500ml - w/ Nitric - Dis.	<2			
L602185-02 MW-7	240-243270-K-2	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-02 MW-7	240-243270-L-2	Voa Vial 40ml - with Sulfuric Acid				
L602185-02 MW-7	240-243270-M-2	Voa Vial 40ml - with Sulfuric Acid				
L602185-02 MW-7	240-243270-N-2	Voa Vial 40ml - with Sulfuric Acid				
L602185-03 MW-7D	240-243270-F-3	Plastic 250ml - w/nitric - dis	<2			
L602185-03 MW-7D	240-243270-G-3	Plastic 500ml - w/ Nitric - Dis.	<2			
L602185-03 MW-7D	240-243270-H-3	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-03 MW-7D	240-243270-I-3	Voa Vial 40ml - with Sulfuric Acid				
L602185-03 MW-7D	240-243270-J-3	Voa Vial 40ml - with Sulfuric Acid				
L602185-03 MW-7D	240-243270-K-3	Voa Vial 40ml - with Sulfuric Acid				
L602185-04 MW-14	240-243270-I-4	Plastic 250ml - w/nitric - dis	<2			
L602185-04 MW-14	240-243270-J-4	Plastic 500ml - w/ Nitric - Dis.	<2			
L602185-04 MW-14	240-243270-K-4	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-04 MW-14	240-243270-L-4	Voa Vial 40ml - with Sulfuric Acid				
L602185-04 MW-14	240-243270-M-4	Voa Vial 40ml - with Sulfuric Acid				
L602185-04 MW-14	240-243270-N-4	Voa Vial 40ml - with Sulfuric Acid				
L602185-05 MW-18A	240-243270-I-5	Plastic 250ml - w/nitric - dis	<2			
L602185-05 MW-18A	240-243270-J-5	Plastic 500ml - w/ Nitric - Dis.	<2			
L602185-05 MW-18A	240-243270-K-5	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-05 MW-18A	240-243270-L-5	Voa Vial 40ml - with Sulfuric Acid				
L602185-05 MW-18A	240-243270-M-5	Voa Vial 40ml - with Sulfuric Acid				
L602185-05 MW-18A	240-243270-N-5	Voa Vial 40ml - with Sulfuric Acid				
L602185-06 MW-18B	240-243270-I-6	Plastic 250ml - w/nitric - dis	<2			
L602185-06 MW-18B	240-243270-J-6	Plastic 500ml - w/ Nitric - Dis.	<2			
L602185-06 MW-18B	240-243270-K-6	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-06 MW-18B	240-243270-L-6	Voa Vial 40ml - with Sulfuric Acid				
L602185-06 MW-18B	240-243270-M-6	Voa Vial 40ml - with Sulfuric Acid				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602185-06 MW-18B	240-243270-N-6	Voa Vial 40ml - with Sulfuric Acid				
L602185-07 MW-18C	240-243270-I-7	Plastic 250ml - w/nitric - dis	<2			
L602185-07 MW-18C	240-243270-J-7	Plastic 500ml - w/ Nitric - Dis.	<2			
L602185-07 MW-18C	240-243270-K-7	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-07 MW-18C	240-243270-L-7	Voa Vial 40ml - with Sulfuric Acid				
L602185-07 MW-18C	240-243270-M-7	Voa Vial 40ml - with Sulfuric Acid				
L602185-07 MW-18C	240-243270-N-7	Voa Vial 40ml - with Sulfuric Acid				
L602185-08 MW-18D	240-243270-I-8	Plastic 250ml - w/nitric - dis	<2			
L602185-08 MW-18D	240-243270-J-8	Plastic 500ml - w/ Nitric - Dis.	<2			
L602185-08 MW-18D	240-243270-K-8	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-08 MW-18D	240-243270-L-8	Voa Vial 40ml - with Sulfuric Acid				
L602185-08 MW-18D	240-243270-M-8	Voa Vial 40ml - with Sulfuric Acid				
L602185-08 MW-18D	240-243270-N-8	Voa Vial 40ml - with Sulfuric Acid				
L602185-09 MW-19A	240-243270-I-9	Plastic 250ml - w/nitric - dis	<2			
L602185-09 MW-19A	240-243270-J-9	Plastic 500ml - w/ Nitric - Dis	<2			
L602185-09 MW-19A	240-243270-K-9	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-09 MW-19A	240-243270-L-9	Voa Vial 40ml - with Sulfuric Acid				
L602185-09 MW-19A	240-243270-M-9	Voa Vial 40ml - with Sulfuric Acid				
L602185-09 MW-19A	240-243270-N-9	Voa Vial 40ml - with Sulfuric Acid				
L602185-10 MW-19B	240-243270-I-10	Plastic 250ml - w/nitric - dis	<2			
L602185-10 MW-19B	240-243270-J-10	Plastic 500ml - w/ Nitric - Dis.	<2			
L602185-10 MW-19B	240-243270-K-10	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-10 MW-19B	240-243270-L-10	Voa Vial 40ml - with Sulfuric Acid				
L602185-10 MW-19B	240-243270-M-10	Voa Vial 40ml - with Sulfuric Acid				
L602185-10 MW-19B	240-243270-N-10	Voa Vial 40ml - with Sulfuric Acid				
L602185-110 MW-19B	240-243270-A-11	Plastic 250ml - w/nitric - dis	<2			
L602185-110 MW-19B	240-243270-B-11	Plastic 500ml - w/ Nitric - Dis	<2			
L602185-110 MW-19B	240-243270-C-11	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-110 MW-19B	240-243270-D-11	Voa Vial 40ml - with Sulfuric Acid				
L602185-110 MW-19B	240-243270-E-11	Voa Vial 40ml - with Sulfuric Acid				
L602185-110 MW-19B	240-243270-F-11	Voa Vial 40ml - with Sulfuric Acid				
L602185-12 MW-19C	240-243270-A-12	Plastic 250ml - w/nitric - dis	<2			
L602185-12 MW-19C	240-243270-B-12	Plastic 500ml - w/ Nitric - Dis.	<2			
L602185-12 MW-19C	240-243270-C-12	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-12 MW-19C	240-243270-D-12	Voa Vial 40ml - with Sulfuric Acid				
L602185-12 MW-19C	240-243270-E-12	Voa Vial 40ml - with Sulfuric Acid				
L602185-12 MW-19C	240-243270-F-12	Voa Vial 40ml - with Sulfuric Acid				
L602185-13 MW-19D	240-243270-A-13	Plastic 250ml - w/nitric - dis	<2			

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602185-13 MW-19D	240-243270-B-13	Plastic 500ml - w/ Nitric - Dis	<2			
L602185-13 MW-19D	240-243270-C-13	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-13 MW-19D	240-243270-D-13	Voa Vial 40ml - with Sulfuric Acid				
L602185-13 MW-19D	240-243270-E-13	Voa Vial 40ml - with Sulfuric Acid				
L602185-13 MW-19D	240-243270-F-13	Voa Vial 40ml - with Sulfuric Acid				
L602185-14 FIELD BLANK	240-243270-A-14	Plastic 250ml - w/nitric - dis	<2			
L602185-14 FIELD BLANK	240-243270-B-14	Plastic 500ml - w/ Nitric - Dis	<2			
L602185-14 FIELD BLANK	240-243270-C-14	Plastic 500ml - with Zn Acetate and NaOH	>9			
L602185-14 FIELD BLANK	240-243270-D-14	Voa Vial 40ml - with Sulfuric Acid				
L602185-14 FIELD BLANK	240-243270-E-14	Voa Vial 40ml - with Sulfuric Acid				
L602185-14 FIELD BLANK	240-243270-F-14	Voa Vial 40ml - with Sulfuric Acid				

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-243270-1

Login Number: 243270
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 02/27/26 11:31 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

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JOB DESCRIPTION

Erickson Wellfield Project

JOB NUMBER

240-243472-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

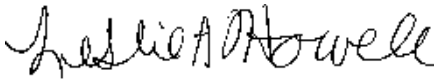
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

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Definitions/Glossary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-243472-1 — Eurofins Cleveland

Job Narrative
240-243472-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/19/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET SSM
200.8	Metals (ICP/MS)	EPA	EET SSM
200.8-1994 R5.4	Metals (ICP/MS)	EPA	EET CLE
2340 B-2021	Total Hardness (as CaCO3) by calculation	SM	EET CLE
245.1-1994 R3.0	Mercury (CVAA)	EPA	EET CLE
2320 B-2021	Alkalinity	SM	EET CLE
2540 C-2020	Solids, Total Dissolved (TDS)	SM	EET CLE
2540D-2020	Solids, Total Suspended (TSS)	SM	EET CLE
300.0-1993 R2.1	Anions, Ion Chromatography	EPA	EET CLE
200.7	Preparation, Total Metals	EPA	EET SSM
200.8	Preparation, Total Metals	EPA	EET SSM
200.8-1994 R5.4	Preparation, Total Recoverable Metals	EPA	EET CLE
245.1-1994 R3.0	Preparation, Mercury	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-243472-1	L602195-01 MW-7D	Water	02/17/26 09:37	02/19/26 08:00	Michigan
240-243472-2	L602195-02 MWT-7D	Water	02/17/26 09:37	02/19/26 08:00	Michigan
240-243472-3	L602195-03 Field Blank	Water	02/17/26 08:40	02/19/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-1

Client Sample ID: L602195-01 MW-7D — Lab Sample ID: 240-243472-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	9.3		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	15		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.031		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00010	J B	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0017	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1200		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	65		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	22		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.034		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.16		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	250		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	320		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	290		10	7.8	mg/L	1		2540 C-2020	Total/NA
Chloride	1.2		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.37		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	4.6		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602195-02 MWT-7D — Lab Sample ID: 240-243472-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	9.5		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	15		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.028		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0015	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1200		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	60		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	21		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.032		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.15		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	230		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	320		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	300		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	0.40	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	1.2		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.37		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	8.7		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L602195-03 Field Blank — Lab Sample ID: 240-243472-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	0.19	J	3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample ID: L602195-03 Field Blank (Continued)

Lab Sample ID: 240-243472-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO3	2.6	J	5.0	2.6	mg/L	1		2320 B-2021	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-1

Client Sample ID: L602195-01 MW-7D

Date Collected: 02/17/26 09:37
Date Received: 02/19/26 08:00

Lab Sample ID: 240-243472-1

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	**9.3**		3.3	0.17	mg/L		02/26/26 16:55	03/02/26 22:04	1
Na	**15**		0.60	0.33	mg/L		02/26/26 16:55	03/02/26 22:04	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 16:05	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 16:05	1
Barium	**0.031**		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 16:05	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 16:05	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 16:05	1
Cobalt	**0.00010**	**J B**	0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 16:05	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 16:05	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 16:05	1
Molybdenum	**0.0017**	**J**	0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 16:05	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 16:05	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 16:05	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 16:05	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 16:05	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 16:05	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 16:05	1
Boron	**1200**		200	160	ug/L		02/20/26 14:00	02/24/26 13:20	10
Calcium	**65**		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 16:05	1
Magnesium	**22**		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 16:05	1
Lithium	**0.034**		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 16:05	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.16**		0.10	0.013	mg/L		02/26/26 16:55	02/27/26 18:46	1
Zinc	ND		0.0070	0.00093	mg/L		02/26/26 16:55	02/27/26 18:46	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**250**		33	33	mg/L			02/25/26 05:33	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/20/26 14:00	02/23/26 13:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**320**		5.0	2.6	mg/L			02/23/26 15:38	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/23/26 15:38	1
Total Dissolved Solids (SM 2540 C-2020)	**290**		10	7.8	mg/L			02/23/26 09:52	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/23/26 10:22	1
Chloride (EPA 300.0-1993 R2.1)	**1.2**		1.0	0.13	mg/L			02/20/26 23:03	1
Fluoride (EPA 300.0-1993 R2.1)	**0.37**		0.050	0.024	mg/L			02/20/26 23:03	1
Sulfate (EPA 300.0-1993 R2.1)	**4.6**		1.0	0.35	mg/L			02/20/26 23:03	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-1

Client Sample ID: L602195-02 MWT-7D

Date Collected: 02/17/26 09:37
Date Received: 02/19/26 08:00

Lab Sample ID: 240-243472-2

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	9.5		3.3	0.17	mg/L		02/26/26 16:55	03/02/26 22:19	1
Na	15		0.60	0.33	mg/L		02/26/26 16:55	03/02/26 22:19	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 16:08	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 16:08	1
Barium	0.028		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 16:08	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 16:08	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 16:08	1
Cobalt	ND		0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 16:08	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 16:08	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 16:08	1
Molybdenum	0.0015	J	0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 16:08	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 16:08	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 16:08	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 16:08	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 16:08	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 16:08	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 16:08	1
Boron	1200		200	160	ug/L		02/20/26 14:00	02/24/26 13:33	10
Calcium	60		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 16:08	1
Magnesium	21		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 16:08	1
Lithium	0.032		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 16:08	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.15		0.10	0.013	mg/L		02/26/26 16:55	02/27/26 19:02	1
Zinc	ND		0.0070	0.00093	mg/L		02/26/26 16:55	02/27/26 19:02	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	230		33	33	mg/L			02/25/26 05:33	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/20/26 14:00	02/23/26 13:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	320		5.0	2.6	mg/L			02/23/26 15:46	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/23/26 15:46	1
Total Dissolved Solids (SM 2540 C-2020)	300		10	7.8	mg/L			02/23/26 12:55	1
Total Suspended Solids (SM 2540D-2020)	0.40	J	4.0	0.40	mg/L			02/23/26 11:28	1
Chloride (EPA 300.0-1993 R2.1)	1.2		1.0	0.13	mg/L			02/20/26 23:10	1
Fluoride (EPA 300.0-1993 R2.1)	0.37		0.050	0.024	mg/L			02/20/26 23:10	1
Sulfate (EPA 300.0-1993 R2.1)	8.7		1.0	0.35	mg/L			02/20/26 23:10	1

Client Sample ID: L602195-03 Field Blank

Lab Sample ID: 240-243472-3

Date Collected: 02/17/26 08:40

Matrix: Water

Date Received: 02/19/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	0.19	J	3.3	0.17	mg/L		02/26/26 16:55	03/02/26 22:36	1
Na	ND		0.60	0.33	mg/L		02/26/26 16:55	03/02/26 22:36	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 19:02	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 19:02	1
Barium	ND		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 19:02	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 19:02	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 19:02	1
Cobalt	ND		0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 19:02	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 19:02	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 19:02	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 19:02	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 19:02	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 19:02	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 19:02	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 19:02	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 19:02	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 19:02	1
Boron	ND		20	16	ug/L		02/20/26 14:00	02/24/26 13:17	1
Calcium	ND		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 19:02	1
Magnesium	ND		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 19:02	1
Lithium	ND		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 19:02	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		02/26/26 16:55	02/27/26 19:17	1
Zinc	ND		0.0070	0.00093	mg/L		02/26/26 16:55	02/27/26 19:17	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		33	33	mg/L			02/25/26 05:33	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/20/26 14:00	02/23/26 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	2.6	J	5.0	2.6	mg/L			02/23/26 15:54	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			02/23/26 15:54	1
Total Dissolved Solids (SM 2540 C-2020)	ND		10	7.8	mg/L			02/23/26 12:55	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			02/23/26 11:28	1
Chloride (EPA 300.0-1993 R2.1)	ND		1.0	0.13	mg/L			02/20/26 23:18	1
Fluoride (EPA 300.0-1993 R2.1)	ND		0.050	0.024	mg/L			02/20/26 23:18	1
Sulfate (EPA 300.0-1993 R2.1)	ND		1.0	0.35	mg/L			02/20/26 23:18	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 350-12897/1-A
Matrix: Water
Analysis Batch: 12965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		02/26/26 16:55	03/02/26 21:58	1
Na	ND		0.60	0.33	mg/L		02/26/26 16:55	03/02/26 21:58	1

Lab Sample ID: LCS 350-12897/2-A
Matrix: Water
Analysis Batch: 12965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
K	20.0	19.5		mg/L		97	85 - 115
Na	20.0	19.5		mg/L		98	85 - 115

Lab Sample ID: 240-243472-1 MS
Matrix: Water
Analysis Batch: 12965

Client Sample ID: L602195-01 MW-7D
Prep Type: Total/NA
Prep Batch: 12897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
K	9.3		20.0	29.6		mg/L		101	70 - 130
Na	15		20.0	36.0		mg/L		103	70 - 130

Lab Sample ID: 240-243472-1 MSD
Matrix: Water
Analysis Batch: 12965

Client Sample ID: L602195-01 MW-7D
Prep Type: Total/NA
Prep Batch: 12897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
K	9.3		20.0	29.7		mg/L		102	70 - 130	0	20
Na	15		20.0	36.0		mg/L		103	70 - 130	0	20

Lab Sample ID: 240-243472-2 MS
Matrix: Water
Analysis Batch: 12965

Client Sample ID: L602195-02 MWT-7D
Prep Type: Total/NA
Prep Batch: 12897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
K	9.5		20.0	28.9		mg/L		97	70 - 130
Na	15		20.0	34.9		mg/L		97	70 - 130

Lab Sample ID: 240-243472-2 MSD
Matrix: Water
Analysis Batch: 12965

Client Sample ID: L602195-02 MWT-7D
Prep Type: Total/NA
Prep Batch: 12897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
K	9.5		20.0	29.1		mg/L		98	70 - 130	1	20
Na	15		20.0	35.1		mg/L		98	70 - 130	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 350-12897/1-A
Matrix: Water
Analysis Batch: 12944

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		02/26/26 16:55	02/27/26 18:37	1
Zinc	ND		0.0070	0.00093	mg/L		02/26/26 16:55	02/27/26 18:37	1

Lab Sample ID: LCS 350-12897/2-A
Matrix: Water
Analysis Batch: 12944

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	20.0	20.1		mg/L		101	85 - 115
Zinc	1.00	0.974		mg/L		97	85 - 115

Lab Sample ID: 240-243472-1 MS
Matrix: Water
Analysis Batch: 12944

Client Sample ID: L602195-01 MW-7D
Prep Type: Total/NA
Prep Batch: 12897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.16		20.0	20.5		mg/L		102	70 - 130
Zinc	ND		1.00	0.999		mg/L		100	70 - 130

Lab Sample ID: 240-243472-1 MSD
Matrix: Water
Analysis Batch: 12944

Client Sample ID: L602195-01 MW-7D
Prep Type: Total/NA
Prep Batch: 12897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.16		20.0	20.5		mg/L		102	70 - 130	0	20
Zinc	ND		1.00	1.00		mg/L		100	70 - 130	0	20

Lab Sample ID: 240-243472-2 MS
Matrix: Water
Analysis Batch: 12944

Client Sample ID: L602195-02 MWT-7D
Prep Type: Total/NA
Prep Batch: 12897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.15		20.0	19.8		mg/L		98	70 - 130
Zinc	ND		1.00	0.976		mg/L		98	70 - 130

Lab Sample ID: 240-243472-2 MSD
Matrix: Water
Analysis Batch: 12944

Client Sample ID: L602195-02 MWT-7D
Prep Type: Total/NA
Prep Batch: 12897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.15		20.0	19.7		mg/L		98	70 - 130	0	20
Zinc	ND		1.00	0.975		mg/L		98	70 - 130	0	20

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: MB 240-691085/1-A
Matrix: Water
Analysis Batch: 691276

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 691085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 10:28	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 10:28	1
Barium	ND		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 10:28	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 10:28	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 10:28	1
Cobalt	ND		0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 10:28	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 10:28	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 10:28	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 10:28	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 10:28	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 10:28	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 10:28	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 10:28	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 10:28	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 10:28	1
Boron	ND		20	16	ug/L		02/20/26 14:00	02/23/26 10:28	1
Calcium	ND		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 10:28	1
Magnesium	ND		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 10:28	1
Lithium	ND		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 10:28	1

Lab Sample ID: LCS 240-691085/2-A
Matrix: Water
Analysis Batch: 691276

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 691085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.100	0.0950		mg/L		95	85 - 115
Arsenic	1.00	0.978		mg/L		98	85 - 115
Barium	1.00	0.969		mg/L		97	85 - 115
Beryllium	0.500	0.466		mg/L		93	85 - 115
Cadmium	0.500	0.483		mg/L		97	85 - 115
Cobalt	0.500	0.478		mg/L		96	85 - 115
Chromium	0.500	0.477		mg/L		95	85 - 115
Copper	0.500	0.482		mg/L		96	85 - 115
Molybdenum	0.500	0.494		mg/L		99	85 - 115
Nickel	0.500	0.475		mg/L		95	85 - 115
Lead	0.500	0.492		mg/L		98	85 - 115
Antimony	0.100	0.0979		mg/L		98	85 - 115
Selenium	1.00	0.970		mg/L		97	85 - 115
Thallium	1.00	1.02		mg/L		102	85 - 115
Vanadium	0.500	0.488		mg/L		98	85 - 115
Boron	100	95.0		ug/L		95	85 - 115
Calcium	25.0	24.8		mg/L		99	85 - 115
Magnesium	25.0	25.1		mg/L		100	85 - 115
Lithium	0.500	0.517		mg/L		103	85 - 115

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 240-691089/1-A
Matrix: Water
Analysis Batch: 691276

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 691089

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		02/20/26 14:00	02/23/26 10:20	1
Arsenic	ND		0.0050	0.00075	mg/L		02/20/26 14:00	02/23/26 10:20	1
Barium	ND		0.0050	0.00077	mg/L		02/20/26 14:00	02/23/26 10:20	1
Beryllium	ND		0.0010	0.00027	mg/L		02/20/26 14:00	02/23/26 10:20	1
Cadmium	ND		0.0010	0.000077	mg/L		02/20/26 14:00	02/23/26 10:20	1
Cobalt	0.0000940	J	0.0010	0.000086	mg/L		02/20/26 14:00	02/23/26 10:20	1
Chromium	ND		0.0050	0.0012	mg/L		02/20/26 14:00	02/23/26 10:20	1
Copper	ND		0.0020	0.0017	mg/L		02/20/26 14:00	02/23/26 10:20	1
Molybdenum	ND		0.0050	0.0011	mg/L		02/20/26 14:00	02/23/26 10:20	1
Nickel	ND		0.0020	0.0015	mg/L		02/20/26 14:00	02/23/26 10:20	1
Lead	ND		0.0010	0.00045	mg/L		02/20/26 14:00	02/23/26 10:20	1
Antimony	ND		0.0020	0.00057	mg/L		02/20/26 14:00	02/23/26 10:20	1
Selenium	ND		0.0050	0.00089	mg/L		02/20/26 14:00	02/23/26 10:20	1
Thallium	ND		0.0010	0.00051	mg/L		02/20/26 14:00	02/23/26 10:20	1
Vanadium	ND		0.0050	0.00082	mg/L		02/20/26 14:00	02/23/26 10:20	1
Boron	ND		20	16	ug/L		02/20/26 14:00	02/23/26 10:20	1
Calcium	ND		1.0	0.25	mg/L		02/20/26 14:00	02/23/26 10:20	1
Magnesium	ND		1.0	0.061	mg/L		02/20/26 14:00	02/23/26 10:20	1
Lithium	ND		0.0080	0.0034	mg/L		02/20/26 14:00	02/23/26 10:20	1

Lab Sample ID: LCS 240-691089/2-A
Matrix: Water
Analysis Batch: 691276

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 691089

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.100	0.0936		mg/L		94	85 - 115
Arsenic	1.00	0.967		mg/L		97	85 - 115
Barium	1.00	0.943		mg/L		94	85 - 115
Beryllium	0.500	0.467		mg/L		93	85 - 115
Cadmium	0.500	0.473		mg/L		95	85 - 115
Cobalt	0.500	0.477		mg/L		95	85 - 115
Chromium	0.500	0.476		mg/L		95	85 - 115
Copper	0.500	0.475		mg/L		95	85 - 115
Molybdenum	0.500	0.483		mg/L		97	85 - 115
Nickel	0.500	0.474		mg/L		95	85 - 115
Lead	0.500	0.485		mg/L		97	85 - 115
Antimony	0.100	0.0959		mg/L		96	85 - 115
Selenium	1.00	0.950		mg/L		95	85 - 115
Thallium	1.00	1.00		mg/L		100	85 - 115
Vanadium	0.500	0.489		mg/L		98	85 - 115
Boron	100	90.6		ug/L		91	85 - 115
Calcium	25.0	24.8		mg/L		99	85 - 115
Magnesium	25.0	24.9		mg/L		99	85 - 115
Lithium	0.500	0.504		mg/L		101	85 - 115

Method: 245.1-1994 R3.0 - Mercury (CVAA)

Lab Sample ID: MB 240-691086/1-A
Matrix: Water
Analysis Batch: 691268

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691086

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/20/26 14:00	02/23/26 12:13	1

Lab Sample ID: LCS 240-691086/2-A
Matrix: Water
Analysis Batch: 691268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691086

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00480		mg/L		96	85 - 115

Lab Sample ID: MB 240-691093/1-A
Matrix: Water
Analysis Batch: 691268

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		02/20/26 14:00	02/23/26 13:33	1

Lab Sample ID: LCS 240-691093/2-A
Matrix: Water
Analysis Batch: 691268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00467		mg/L		93	85 - 115

Lab Sample ID: 240-243472-2 MS
Matrix: Water
Analysis Batch: 691268

Client Sample ID: L602195-02 MWT-7D
Prep Type: Total/NA
Prep Batch: 691093

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.000944		mg/L		94	70 - 130

Lab Sample ID: 240-243472-2 MSD
Matrix: Water
Analysis Batch: 691268

Client Sample ID: L602195-02 MWT-7D
Prep Type: Total/NA
Prep Batch: 691093

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.000943		mg/L		94	70 - 130	0	20

Method: 2320 B-2021 - Alkalinity

Lab Sample ID: MB 240-691383/5
Matrix: Water
Analysis Batch: 691383

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/23/26 13:41	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			02/23/26 13:41	1

Method: 2540 C-2020 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-691210/1
Matrix: Water
Analysis Batch: 691210

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			02/23/26 09:52	1

Lab Sample ID: LCS 240-691210/2
Matrix: Water
Analysis Batch: 691210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			189	177		mg/L		94	80 - 120		

Lab Sample ID: MB 240-691260/1
Matrix: Water
Analysis Batch: 691260

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			02/23/26 12:55	1

Lab Sample ID: LCS 240-691260/2
Matrix: Water
Analysis Batch: 691260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			189	166		mg/L		88	80 - 120		

Method: 2540D-2020 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-691224/1
Matrix: Water
Analysis Batch: 691224

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			02/23/26 10:22	1

Lab Sample ID: LCS 240-691224/2
Matrix: Water
Analysis Batch: 691224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			57.1	48.0		mg/L		84	64 - 120		

Lab Sample ID: MB 240-691248/1
Matrix: Water
Analysis Batch: 691248

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			02/23/26 11:28	1

Method: 2540D-2020 - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCS 240-691248/2
Matrix: Water
Analysis Batch: 691248

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	57.1	49.0		mg/L		86	64 - 120

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 240-691119/4
Matrix: Water
Analysis Batch: 691119

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.13	mg/L			02/20/26 19:36	1
Fluoride	ND		0.050	0.024	mg/L			02/20/26 19:36	1
Sulfate	ND		1.0	0.35	mg/L			02/20/26 19:36	1

Lab Sample ID: LCS 240-691119/5
Matrix: Water
Analysis Batch: 691119

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.9		mg/L		100	90 - 110
Fluoride	2.50	2.52		mg/L		101	90 - 110
Sulfate	50.0	51.5		mg/L		103	90 - 110

Metals

Prep Batch: 12897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total/NA	Water	200.8	
240-243472-2	L602195-02 MWT-7D	Total/NA	Water	200.8	
240-243472-3	L602195-03 Field Blank	Total/NA	Water	200.8	
MB 350-12897/1-A	Method Blank	Total/NA	Water	200.8	
LCS 350-12897/2-A	Lab Control Sample	Total/NA	Water	200.8	
240-243472-1 MS	L602195-01 MW-7D	Total/NA	Water	200.8	
240-243472-1 MSD	L602195-01 MW-7D	Total/NA	Water	200.8	
240-243472-2 MS	L602195-02 MWT-7D	Total/NA	Water	200.8	
240-243472-2 MSD	L602195-02 MWT-7D	Total/NA	Water	200.8	

Analysis Batch: 12944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total/NA	Water	200.8	12897
240-243472-2	L602195-02 MWT-7D	Total/NA	Water	200.8	12897
240-243472-3	L602195-03 Field Blank	Total/NA	Water	200.8	12897
MB 350-12897/1-A	Method Blank	Total/NA	Water	200.8	12897
LCS 350-12897/2-A	Lab Control Sample	Total/NA	Water	200.8	12897
240-243472-1 MS	L602195-01 MW-7D	Total/NA	Water	200.8	12897
240-243472-1 MSD	L602195-01 MW-7D	Total/NA	Water	200.8	12897
240-243472-2 MS	L602195-02 MWT-7D	Total/NA	Water	200.8	12897
240-243472-2 MSD	L602195-02 MWT-7D	Total/NA	Water	200.8	12897

Analysis Batch: 12965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total/NA	Water	200.7 Rev 4.4	12897
240-243472-2	L602195-02 MWT-7D	Total/NA	Water	200.7 Rev 4.4	12897
240-243472-3	L602195-03 Field Blank	Total/NA	Water	200.7 Rev 4.4	12897
MB 350-12897/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	12897
LCS 350-12897/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	12897
240-243472-1 MS	L602195-01 MW-7D	Total/NA	Water	200.7 Rev 4.4	12897
240-243472-1 MSD	L602195-01 MW-7D	Total/NA	Water	200.7 Rev 4.4	12897
240-243472-2 MS	L602195-02 MWT-7D	Total/NA	Water	200.7 Rev 4.4	12897
240-243472-2 MSD	L602195-02 MWT-7D	Total/NA	Water	200.7 Rev 4.4	12897

Prep Batch: 691085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-3	L602195-03 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	
MB 240-691085/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-691085/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	

Prep Batch: 691086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-3	L602195-03 Field Blank	Total/NA	Water	245.1-1994 R3.0	
MB 240-691086/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	
LCS 240-691086/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	

Prep Batch: 691089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	
240-243472-2	L602195-02 MWT-7D	Total Recoverable	Water	200.8-1994 R5.4	
MB 240-691089/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	

Metals (Continued)

Prep Batch: 691089 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-691089/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	

Prep Batch: 691093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total/NA	Water	245.1-1994 R3.0	
240-243472-2	L602195-02 MWT-7D	Total/NA	Water	245.1-1994 R3.0	
MB 240-691093/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	
LCS 240-691093/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	
240-243472-2 MS	L602195-02 MWT-7D	Total/NA	Water	245.1-1994 R3.0	
240-243472-2 MSD	L602195-02 MWT-7D	Total/NA	Water	245.1-1994 R3.0	

Analysis Batch: 691268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total/NA	Water	245.1-1994 R3.0	691093
240-243472-2	L602195-02 MWT-7D	Total/NA	Water	245.1-1994 R3.0	691093
240-243472-3	L602195-03 Field Blank	Total/NA	Water	245.1-1994 R3.0	691086
MB 240-691086/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	691086
MB 240-691093/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	691093
LCS 240-691086/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	691086
LCS 240-691093/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	691093
240-243472-2 MS	L602195-02 MWT-7D	Total/NA	Water	245.1-1994 R3.0	691093
240-243472-2 MSD	L602195-02 MWT-7D	Total/NA	Water	245.1-1994 R3.0	691093

Analysis Batch: 691276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-691085/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	691085
MB 240-691089/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	691089
LCS 240-691085/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	691085
LCS 240-691089/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	691089

Analysis Batch: 691310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	691089
240-243472-2	L602195-02 MWT-7D	Total Recoverable	Water	200.8-1994 R5.4	691089
240-243472-3	L602195-03 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	691085

Analysis Batch: 691421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	691089
240-243472-2	L602195-02 MWT-7D	Total Recoverable	Water	200.8-1994 R5.4	691089
240-243472-3	L602195-03 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	691085

Analysis Batch: 691436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total Recoverable	Water	2340 B-2021	
240-243472-2	L602195-02 MWT-7D	Total Recoverable	Water	2340 B-2021	
240-243472-3	L602195-03 Field Blank	Total Recoverable	Water	2340 B-2021	

General Chemistry

Analysis Batch: 691119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total/NA	Water	300.0-1993 R2.1	
240-243472-2	L602195-02 MWT-7D	Total/NA	Water	300.0-1993 R2.1	
240-243472-3	L602195-03 Field Blank	Total/NA	Water	300.0-1993 R2.1	
MB 240-691119/4	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 240-691119/5	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 691210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total/NA	Water	2540 C-2020	
MB 240-691210/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-691210/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 691224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total/NA	Water	2540D-2020	
MB 240-691224/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-691224/2	Lab Control Sample	Total/NA	Water	2540D-2020	

Analysis Batch: 691248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-2	L602195-02 MWT-7D	Total/NA	Water	2540D-2020	
240-243472-3	L602195-03 Field Blank	Total/NA	Water	2540D-2020	
MB 240-691248/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-691248/2	Lab Control Sample	Total/NA	Water	2540D-2020	

Analysis Batch: 691260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-2	L602195-02 MWT-7D	Total/NA	Water	2540 C-2020	
240-243472-3	L602195-03 Field Blank	Total/NA	Water	2540 C-2020	
MB 240-691260/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-691260/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 691383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total/NA	Water	2320 B-2021	
240-243472-2	L602195-02 MWT-7D	Total/NA	Water	2320 B-2021	
240-243472-3	L602195-03 Field Blank	Total/NA	Water	2320 B-2021	
MB 240-691383/5	Method Blank	Total/NA	Water	2320 B-2021	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-1

Client Sample ID: L602195-01 MW-7D

Lab Sample ID: 240-243472-1

Date Collected: 02/17/26 09:37
Matrix: Water
Date Received: 02/19/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12897	RMN	EET SSM	02/26/26 16:55
Total/NA	Analysis	200.7 Rev 4.4		1	12965	JLS	EET SSM	03/02/26 22:04
Total/NA	Prep	200.8			12897	RMN	EET SSM	02/26/26 16:55
Total/NA	Analysis	200.8		1	12944	JLS	EET SSM	02/27/26 18:46
Total Recoverable	Prep	200.8-1994 R5.4			691089	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 16:05
Total Recoverable	Prep	200.8-1994 R5.4			691089	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		10	691421	S4FJ	EET CLE	02/24/26 13:20
Total Recoverable	Analysis	2340 B-2021		1	691436	AJC	EET CLE	02/25/26 05:33
Total/NA	Prep	245.1-1994 R3.0			691093	F3PF	EET CLE	02/20/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	691268	TQ6W	EET CLE	02/23/26 13:42
Total/NA	Analysis	2320 B-2021		1	691383	PQD2	EET CLE	02/23/26 15:38
Total/NA	Analysis	2540 C-2020		1	691210	AAP	EET CLE	02/23/26 09:52
Total/NA	Analysis	2540D-2020		1	691224	AAP	EET CLE	02/23/26 10:22
Total/NA	Analysis	300.0-1993 R2.1		1	691119	JMR	EET CLE	02/20/26 23:03

Client Sample ID: L602195-02 MWT-7D

Lab Sample ID: 240-243472-2

Date Collected: 02/17/26 09:37
Matrix: Water
Date Received: 02/19/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12897	RMN	EET SSM	02/26/26 16:55
Total/NA	Analysis	200.7 Rev 4.4		1	12965	JLS	EET SSM	03/02/26 22:19
Total/NA	Prep	200.8			12897	RMN	EET SSM	02/26/26 16:55
Total/NA	Analysis	200.8		1	12944	JLS	EET SSM	02/27/26 19:02
Total Recoverable	Prep	200.8-1994 R5.4			691089	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 16:08
Total Recoverable	Prep	200.8-1994 R5.4			691089	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		10	691421	S4FJ	EET CLE	02/24/26 13:33
Total Recoverable	Analysis	2340 B-2021		1	691436	AJC	EET CLE	02/25/26 05:33
Total/NA	Prep	245.1-1994 R3.0			691093	F3PF	EET CLE	02/20/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	691268	TQ6W	EET CLE	02/23/26 13:37
Total/NA	Analysis	2320 B-2021		1	691383	PQD2	EET CLE	02/23/26 15:46
Total/NA	Analysis	2540 C-2020		1	691260	AAP	EET CLE	02/23/26 12:55
Total/NA	Analysis	2540D-2020		1	691248	AAP	EET CLE	02/23/26 11:28
Total/NA	Analysis	300.0-1993 R2.1		1	691119	JMR	EET CLE	02/20/26 23:10

Client Sample ID: L602195-03 Field Blank

Lab Sample ID: 240-243472-3

Date Collected: 02/17/26 08:40
Matrix: Water
Date Received: 02/19/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12897	RMN	EET SSM	02/26/26 16:55
Total/NA	Analysis	200.7 Rev 4.4		1	12965	JLS	EET SSM	03/02/26 22:36

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-1

Client Sample ID: L602195-03 Field Blank

Lab Sample ID: 240-243472-3

Date Collected: 02/17/26 08:40

Matrix: Water

Date Received: 02/19/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			12897	RMN	EET SSM	02/26/26 16:55
Total/NA	Analysis	200.8		1	12944	JLS	EET SSM	02/27/26 19:17
Total Recoverable	Prep	200.8-1994 R5.4			691085	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691310	S4FJ	EET CLE	02/23/26 19:02
Total Recoverable	Prep	200.8-1994 R5.4			691085	F3PF	EET CLE	02/20/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	691421	S4FJ	EET CLE	02/24/26 13:17
Total Recoverable	Analysis	2340 B-2021		1	691436	AJC	EET CLE	02/25/26 05:33
Total/NA	Prep	245.1-1994 R3.0			691086	F3PF	EET CLE	02/20/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	691268	TQ6W	EET CLE	02/23/26 12:52
Total/NA	Analysis	2320 B-2021		1	691383	PQD2	EET CLE	02/23/26 15:54
Total/NA	Analysis	2540 C-2020		1	691260	AAP	EET CLE	02/23/26 12:55
Total/NA	Analysis	2540D-2020		1	691248	AAP	EET CLE	02/23/26 11:28
Total/NA	Analysis	300.0-1993 R2.1		1	691119	JMR	EET CLE	02/20/26 23:18

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-1

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-26

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
Arizona	State	AZ0854	01-13-27
California	State	2954	07-07-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	06-30-26
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167	07-07-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-25-24-59583A1	01-24-28
Washington	State	C788	07-13-26
Wisconsin	State	399133460	08-31-26

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name: Jennifer Caporale

Address : 1110 South Pennsylvania

Address 2:

City, State Zip: Lansing, Michigan 48901

Phone: 517-702-6482

Email: Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company: Lansing Board of Water & Light

Purchase Order: Contract number 4600002189

Work Order:

Requested TAT:

Project Number: 24034575

Sample State: MI

Special Instructions:

Project Manager: Howell, Leslie

Project Reference:

Sampler: Marc Wahrer

Description: Erickson Wellfield Project

Site Name: Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	903.0/PrecSep_21 Ra-226 [STD]	200.8/200.8_P_TR Project List (18) [C01]	Ra226_228GFPC_P Combined Ra2268228 [160]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	245.1/245.1_Prep Mercury [MER]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	2540C_Calcd Total Dissolved Solids [TDS]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	2540D Solids, Total Suspended (TSS) [TSS]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	904.0/PrecSep_0 Ra-228 [STD]			Plastic 60 mL - unpreserved	Plastic 500ml - unpreserved	Plastic 250ml - with Nitric Acid	Plastic 500ml - with Nitric Acid	Plastic 1 liter - unpreserved	Plastic 1 liter - Nitric Acid	Total Bottles For Sample
1	L602195-01 MW-7D	Grab	Water	02/17/26 09:37				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	1	2	8
2	L602195-02 MWT-7D	Grab	Water	02/17/26 09:37				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	1	2	8
3	L602195-03 Field Blank	Grab	Water	02/17/26 08:40				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	1	2	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) **:** Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:		
Jennifer Caporale	02/18/26 09:33	Jennifer Caporale	02/18/26 09:33		

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260217A001								

Chain of Custody

25/30

eurofins | Environment Testing

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name: Jennifer Caporale

Address : 1110 South Pennsylvania

Address 2:

City, State Zip: Lansing, Michigan 48901

Phone: 517-702-6482

Email: Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company: Lansing Board of Water & Light

Purchase Order: Contract number 4600002189

Work Order:

Requested TAT:

Project Number: 24034575

Sample State: MI

Special Instructions:

Project Manager: Howell, Leslie

Project Reference:

Sampler: Marc Wahrer

Description: Erickson Wellfield Project

Site Name: Erickson Projects

240-243472 COC

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	903.0/PrecSep_21 Ra-226 [STD]	200.8/200.8_P_TR Project List (18) [C01]	Ra226_228GFPC_P Combined Ra226&228 [160]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	245.1/245.1_Prep Mercury [MER]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	2540C_Calcd Total Dissolved Solids [TDS]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	2540D Solids, Total Suspended (TSS) [TSS]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	904.0/PrecSep_0 Ra-228 [STD]			Plastic 60 mL - unpreserved	Plastic 500ml - unpreserved	Plastic 250ml - with Nitric Acid	Plastic 500ml - with Nitric Acid	Plastic 1 liter - unpreserved	Plastic 1 liter - Nitric Acid	Total Bottles For Sample
1	L602195-01 MW-7D	Grab	Water	02/17/26 09:37				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	1	2	8
2	L602195-02 MWT-7D	Grab	Water	02/17/26 09:37				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	1	2	8
3	L602195-03 Field Blank	Grab	Water	02/17/26 08:40				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	1	2	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:			
Jennifer Caporale	02/18/26 09:33	Jennifer Caporale	02/18/26 09:33	MICHAEL BOTKE	2-19-26	820 EEM

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260217A001								

Chain of Custody Number: 461948

*H – Analysis on hold.

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :**_____
Barberton Facility

Client L-Cansing Board of Light Site Name_____ Cooler unpacked by: JC

Cooler Received on 2-19-26 Opened on 2-19-26

FedEx: 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other_____

Receipt After-hours: Drop-off Date/Time_____ Storage Location_____

Eurofins Cooler # 2C Foam Box Client Cooler Box Other_____

Packing material used: Bubble Wrap Foam (Plastic Bag) None Other_____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 17 (CF +0.5 °C) Observed Cooler Temp. 2.5 °C Corrected Cooler Temp. 3.0 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	(No)
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(N)
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC567196
14. Were VOAs on the COC?	Yes	(No)
15. Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	(No) NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:

Labels Verified by:

_____

_____

_____

_____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

2/19/2026

Login Container Summary Report

240-243472

3/3/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602195-01 MW-7D	240-243472-A-1	Plastic 60 mL - unpreserved				
L602195-01 MW-7D	240-243472-B-1	Plastic 60 mL - unpreserved				
L602195-01 MW-7D	240-243472-C-1	Plastic 500ml - unpreserved				
L602195-01 MW-7D	240-243472-D-1	Plastic 250ml - with Nitric Acid	<2			
L602195-01 MW-7D	240-243472-E-1	Plastic 500ml - with Nitric Acid	<2			
L602195-01 MW-7D	240-243472-F-1	Plastic 1 liter - unpreserved				
L602195-01 MW-7D	240-243472-G-1	Plastic 1 liter - Nitric Acid	<2			
L602195-01 MW-7D	240-243472-H-1	Plastic 1 liter - Nitric Acid	<2			
L602195-02 MWT-7D	240-243472-A-2	Plastic 60 mL - unpreserved				
L602195-02 MWT-7D	240-243472-B-2	Plastic 60 mL - unpreserved				
L602195-02 MWT-7D	240-243472-C-2	Plastic 500ml - unpreserved				
L602195-02 MWT-7D	240-243472-D-2	Plastic 250ml - with Nitric Acid	<2			
L602195-02 MWT-7D	240-243472-E-2	Plastic 500ml - with Nitric Acid	<2			
L602195-02 MWT-7D	240-243472-F-2	Plastic 1 liter - unpreserved				
L602195-02 MWT-7D	240-243472-G-2	Plastic 1 liter - Nitric Acid	<2			
L602195-02 MWT-7D	240-243472-H-2	Plastic 1 liter - Nitric Acid	<2			
L602195-03 Field Blank	240-243472-A-3	Plastic 60 mL - unpreserved				
L602195-03 Field Blank	240-243472-B-3	Plastic 60 mL - unpreserved				
L602195-03 Field Blank	240-243472-C-3	Plastic 500ml - unpreserved				
L602195-03 Field Blank	240-243472-D-3	Plastic 250ml - with Nitric Acid	<2			
L602195-03 Field Blank	240-243472-E-3	Plastic 500ml - with Nitric Acid	<2			
L602195-03 Field Blank	240-243472-F-3	Plastic 1 liter - unpreserved				
L602195-03 Field Blank	240-243472-G-3	Plastic 1 liter - Nitric Acid	<2			
L602195-03 Field Blank	240-243472-H-3	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214357.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 240-243472-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/4/2026			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
L602195-01 MW-7D (240-243472-1)	2/17/26	09:37 Eastern	G	Water			X	2	
L602195-02 MWT-7D (240-243472-2)	2/17/26	09:37 Eastern	G	Water			X	2	
L602195-03 Field Blank (240-243472-3)	2/17/26	08:40 Eastern	G	Water			X	2	

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
CHRIS ROAN	2/19/26 4:00	EC	Sima Washington	2/20/26 0840	GTAS N
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-243472-1

Login Number: 243472
List Number: 3
Creator: Singh, Jaskaran

List Source: Eurofins Seattle Specialty Metals
List Creation: 02/20/26 07:45 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

Generated 3/20/2026 11:28:16 AM

JOB DESCRIPTION

Erickson Wellfield Project

JOB NUMBER

240-243472-2

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

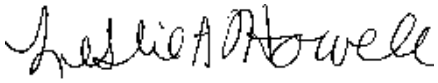
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Leslie Howell, Project Manager I
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(330)966-9266

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Definitions/Glossary

Client: Lansing Board of Water & Light
Job ID: 240-243472-2
Project/Site: Erickson Wellfield Project

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-243472-2 — Eurofins Cleveland

Job Narrative
240-243472-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/19/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

Gas Flow Proportional Counter
Method 903.0: Radium 226 Batch 758542

The bracketing daily (check), run the day after the sample was run, was slightly outside the established QC criteria. The efficiency is set at 3% and the bracketing check achieved 3.007%.The daily (check) run the day the sample was run, passed. The lab does not believe this discrepancy has a negative impact on the data being reported.
(MB 160-758542/1-A)

Method 904.0: Radium 228 Prep Batch 160-758235

Insufficient sample volume was available to perform a sample duplicate for the following samples: L602195-01 MW-7D (240-243472-1), L602195-02 MWT-7D (240-243472-2) and L602195-03 Field Blank (240-243472-3). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-2

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-243472-1	L602195-01 MW-7D	Water	02/17/26 09:37	02/19/26 08:00	Michigan
240-243472-2	L602195-02 MWT-7D	Water	02/17/26 09:37	02/19/26 08:00	Michigan
240-243472-3	L602195-03 Field Blank	Water	02/17/26 08:40	02/19/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-2

Client Sample ID: L602195-01 MW-7D — Lab Sample ID: 240-243472-1

No Detections.

Client Sample ID: L602195-02 MWT-7D — Lab Sample ID: 240-243472-2

No Detections.

Client Sample ID: L602195-03 Field Blank — Lab Sample ID: 240-243472-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-2

Client Sample ID: L602195-01 MW-7D

Lab Sample ID: 240-243472-1

Date Collected: 02/17/26 09:37

Matrix: Water

Date Received: 02/19/26 08:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.516**		0.117	0.126	1.00	0.0663	pCi/L	02/24/26 07:23	03/18/26 07:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.1*		*30 - 110*	*02/24/26 07:23*	*03/18/26 07:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.438	U	0.407	0.409	1.00	0.649	pCi/L	02/23/26 08:25	02/26/26 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.8*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:07*	*1*
Y Carrier	*83.0*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:07*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.954**		0.423	0.428	5.00	0.649	pCi/L		03/19/26 14:18	1

Client Sample ID: L602195-02 MWT-7D

Lab Sample ID: 240-243472-2

Date Collected: 02/17/26 09:37

Matrix: Water

Date Received: 02/19/26 08:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.518		0.139	0.147	1.00	0.118	pCi/L	02/24/26 07:23	03/18/26 07:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.2*		*30 - 110*	*02/24/26 07:23*	*03/18/26 07:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.04		0.476	0.486	1.00	0.641	pCi/L	02/23/26 08:25	02/26/26 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:07*	*1*
Y Carrier	*76.6*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:07*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.56		0.496	0.508	5.00	0.641	pCi/L		03/19/26 14:18	1

Client Sample ID: L602195-03 Field Blank

Lab Sample ID: 240-243472-3

Date Collected: 02/17/26 08:40

Matrix: Water

Date Received: 02/19/26 08:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0267	U	0.0539	0.0539	1.00	0.123	pCi/L	02/24/26 07:23	03/18/26 07:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.1*		*30 - 110*	*02/24/26 07:23*	*03/18/26 07:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.276	U	0.380	0.381	1.00	0.637	pCi/L	02/23/26 08:25	02/26/26 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.7*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:07*	*1*
Y Carrier	*74.8*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:07*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.276	U	0.384	0.385	5.00	0.637	pCi/L		03/19/26 14:18	1

Tracer/Carrier Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
240-243472-1	L602195-01 MW-7D	82.1
240-243472-2	L602195-02 MWT-7D	77.2
240-243472-3	L602195-03 Field Blank	78.1
LCS 160-758542/2-A	Lab Control Sample	83.2
MB 160-758542/1-A	Method Blank	82.3

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
240-243472-1	L602195-01 MW-7D	77.8	83.0
240-243472-2	L602195-02 MWT-7D	82.6	76.6
240-243472-3	L602195-03 Field Blank	89.7	74.8
LCS 160-758235/2-A	Lab Control Sample	87.2	84.5
LCSD 160-758235/3-A	Lab Control Sample Dup	86.3	81.5
MB 160-758235/1-A	Method Blank	84.3	80.0

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-758542/1-A
Matrix: Water
Analysis Batch: 761948

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758542

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.02242	U	0.0199	0.0200	1.00	0.0695	pCi/L	02/24/26 07:23	03/18/26 07:37	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*02/24/26 07:23*	*03/18/26 07:37*	*1*

Lab Sample ID: LCS 160-758542/2-A
Matrix: Water
Analysis Batch: 761948

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758542

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	8.603		0.901	1.00	0.0582	pCi/L	90	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*83.2*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-758235/1-A
Matrix: Water
Analysis Batch: 758955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 758235

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.03448	U	0.297	0.297	1.00	0.572	pCi/L	02/23/26 08:25	02/26/26 12:07	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:07*	*1*
Y Carrier	*80.0*		*30 - 110*	*02/23/26 08:25*	*02/26/26 12:07*	*1*

Lab Sample ID: LCS 160-758235/2-A
Matrix: Water
Analysis Batch: 758955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 758235

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.39	11.25		1.47	1.00	0.482	pCi/L	120	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.2*		*30 - 110*
Y Carrier	*84.5*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCSD 160-758235/3-A
Matrix: Water
Analysis Batch: 758955

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 758235

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			9.39	10.82		1.46	1.00	0.614	pCi/L	115	75 - 125	0.15	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*86.3*		*30 - 110*
Y Carrier	*81.5*		*30 - 110*

QC Association Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-2

Rad

Prep Batch: 758235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total/NA	Water	PrecSep_0	
240-243472-2	L602195-02 MWT-7D	Total/NA	Water	PrecSep_0	
240-243472-3	L602195-03 Field Blank	Total/NA	Water	PrecSep_0	
MB 160-758235/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-758235/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-758235/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 758542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-243472-1	L602195-01 MW-7D	Total/NA	Water	PrecSep-21	
240-243472-2	L602195-02 MWT-7D	Total/NA	Water	PrecSep-21	
240-243472-3	L602195-03 Field Blank	Total/NA	Water	PrecSep-21	
MB 160-758542/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-758542/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-2

Client Sample ID: L602195-01 MW-7D

Lab Sample ID: 240-243472-1

Date Collected: 02/17/26 09:37
Matrix: Water
Date Received: 02/19/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758542	AMS	EET SL	02/24/26 07:23
Total/NA	Analysis	903.0		1	761948	SWS	EET SL	03/18/26 07:38
Total/NA	Prep	PrecSep_0			758235	VLQ	EET SL	02/23/26 08:25
Total/NA	Analysis	904.0		1	758955	SWS	EET SL	02/26/26 12:07
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/19/26 14:18

Client Sample ID: L602195-02 MWT-7D

Lab Sample ID: 240-243472-2

Date Collected: 02/17/26 09:37
Matrix: Water
Date Received: 02/19/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758542	AMS	EET SL	02/24/26 07:23
Total/NA	Analysis	903.0		1	761973	SWS	EET SL	03/18/26 07:50
Total/NA	Prep	PrecSep_0			758235	VLQ	EET SL	02/23/26 08:25
Total/NA	Analysis	904.0		1	758955	SWS	EET SL	02/26/26 12:07
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/19/26 14:18

Client Sample ID: L602195-03 Field Blank

Lab Sample ID: 240-243472-3

Date Collected: 02/17/26 08:40
Matrix: Water
Date Received: 02/19/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			758542	AMS	EET SL	02/24/26 07:23
Total/NA	Analysis	903.0		1	761973	SWS	EET SL	03/18/26 07:50
Total/NA	Prep	PrecSep_0			758235	VLQ	EET SL	02/23/26 08:25
Total/NA	Analysis	904.0		1	758955	SWS	EET SL	02/26/26 12:07
Total/NA	Analysis	Ra226_Ra228 Pos		1	761991	FLC	EET SL	03/19/26 14:18

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Wellfield Project

Job ID: 240-243472-2

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-26
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
Georgia (DW)	State	C061	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-26
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-26
Kentucky (DW)	State	KY90125	12-31-26
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-26
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-26
Maine	State	MO00054	03-05-28
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Hampshire	NELAP	2100	02-04-27
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	04-01-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-26
Oklahoma	NELAP	9997	12-31-26
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-27
Rhode Island	State	LAO00392	12-30-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Vermont	State	VT 87689	03-20-27
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	10-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain of Custody

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Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name: Jennifer Caporale

Address : 1110 South Pennsylvania

Address 2:

City, State Zip: Lansing, Michigan 48901

Phone: 517-702-6482

Email: Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company: Lansing Board of Water & Light

Purchase Order: Contract number 4600002189

Work Order:

Requested TAT:

Project Number: 24034575

Sample State: MI

Special Instructions:

Project Manager: Howell, Leslie

Project Reference:

Sampler: Marc Wahrer

Description: Erickson Wellfield Project

Site Name: Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	903.0/PrecSep_21 Ra-226 [STD]	200.8/200.8_P_TR Project List (18) [C01]	Ra226_228GFPC_P Combined Ra2268228 [160]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	245.1/245.1_Prep Mercury [MER]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	2540C_Calcd Total Dissolved Solids [TDS]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	2540D Solids, Total Suspended (TSS) [TSS]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	904.0/PrecSep_0 Ra-228 [STD]			Plastic 60 mL - unpreserved	Plastic 500ml - unpreserved	Plastic 250ml - with Nitric Acid	Plastic 500ml - with Nitric Acid	Plastic 1 liter - unpreserved	Plastic 1 liter - Nitric Acid	Total Bottles For Sample
1	L602195-01 MW-7D	Grab	Water	02/17/26 09:37				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	1	2	8
2	L602195-02 MWT-7D	Grab	Water	02/17/26 09:37				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	1	2	8
3	L602195-03 Field Blank	Grab	Water	02/17/26 08:40				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	1	2	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:		
Jennifer Caporale	02/18/26 09:33	Jennifer Caporale	02/18/26 09:33		

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260217A001								

Chain of Custody

25/30

eurofins | Environment Testing

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name: Jennifer Caporale

Address : 1110 South Pennsylvania

Address 2:

City, State Zip: Lansing, Michigan 48901

Phone: 517-702-6482

Email: Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company: Lansing Board of Water & Light

Purchase Order: Contract number 4600002189

Work Order:

Requested TAT:

Project Number: 24034575

Sample State: MI

Special Instructions:

Project Manager: Howell, Leslie

Project Reference:

Sampler: Marc Wahrer

Description: Erickson Wellfield Project

Site Name: Erickson Projects

Methods and Bottles

240-243472 COC

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	903.0/PrecSep_21 Ra-226 [STD]	200.8/200.8_P_TR Project List (18) [C01]	Ra226_228GFPC_P Combined Ra226&228 [160]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	245.1/245.1_Prep Mercury [MER]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	2540C_Calcd Total Dissolved Solids [TDS]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	2540D Solids, Total Suspended (TSS) [TSS]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	904.0/PrecSep_0 Ra-228 [STD]			Plastic 60 mL - unpreserved	Plastic 500ml - unpreserved	Plastic 250ml - with Nitric Acid	Plastic 500ml - with Nitric Acid	Plastic 1 liter - unpreserved	Plastic 1 liter - Nitric Acid	Total Bottles For Sample
1	L602195-01 MW-7D	Grab	Water	02/17/26 09:37				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	1	2	8
2	L602195-02 MWT-7D	Grab	Water	02/17/26 09:37				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	1	2	8
3	L602195-03 Field Blank	Grab	Water	02/17/26 08:40				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	1	2	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:			
Jennifer Caporale	02/18/26 09:33	Jennifer Caporale	02/18/26 09:33	MICHAEL BOTKE	2-19-26	820

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260217A001								

Chain of Custody Number: 461948

*H – Analysis on hold.

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :**_____
Barberton Facility

Client L-Cansing Board of Light Site Name_____ Cooler unpacked by: JC

Cooler Received on 2-19-26 Opened on 2-19-26

FedEx: 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other_____

Receipt After-hours: Drop-off Date/Time_____ Storage Location_____

Eurofins Cooler # 2C Foam Box Client Cooler Box Other_____

Packing material used: Bubble Wrap Foam (Plastic Bag) None Other_____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 17 (CF +0.5 °C) Observed Cooler Temp. 2.5 °C Corrected Cooler Temp. 3.0 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	(No)
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(N)
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC567196
14. Were VOAs on the COC?	Yes	(No)
15. Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	(No) NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:

Labels Verified by:

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

2/19/2026

Login Container Summary Report

240-243472

3/20/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L602195-01 MW-7D	240-243472-A-1	Plastic 60 mL - unpreserved				
L602195-01 MW-7D	240-243472-B-1	Plastic 60 mL - unpreserved				
L602195-01 MW-7D	240-243472-C-1	Plastic 500ml - unpreserved				
L602195-01 MW-7D	240-243472-D-1	Plastic 250ml - with Nitric Acid	<2			
L602195-01 MW-7D	240-243472-E-1	Plastic 500ml - with Nitric Acid	<2			
L602195-01 MW-7D	240-243472-F-1	Plastic 1 liter - unpreserved				
L602195-01 MW-7D	240-243472-G-1	Plastic 1 liter - Nitric Acid	<2			
L602195-01 MW-7D	240-243472-H-1	Plastic 1 liter - Nitric Acid	<2			
L602195-02 MWT-7D	240-243472-A-2	Plastic 60 mL - unpreserved				
L602195-02 MWT-7D	240-243472-B-2	Plastic 60 mL - unpreserved				
L602195-02 MWT-7D	240-243472-C-2	Plastic 500ml - unpreserved				
L602195-02 MWT-7D	240-243472-D-2	Plastic 250ml - with Nitric Acid	<2			
L602195-02 MWT-7D	240-243472-E-2	Plastic 500ml - with Nitric Acid	<2			
L602195-02 MWT-7D	240-243472-F-2	Plastic 1 liter - unpreserved				
L602195-02 MWT-7D	240-243472-G-2	Plastic 1 liter - Nitric Acid	<2			
L602195-02 MWT-7D	240-243472-H-2	Plastic 1 liter - Nitric Acid	<2			
L602195-03 Field Blank	240-243472-A-3	Plastic 60 mL - unpreserved				
L602195-03 Field Blank	240-243472-B-3	Plastic 60 mL - unpreserved				
L602195-03 Field Blank	240-243472-C-3	Plastic 500ml - unpreserved				
L602195-03 Field Blank	240-243472-D-3	Plastic 250ml - with Nitric Acid	<2			
L602195-03 Field Blank	240-243472-E-3	Plastic 500ml - with Nitric Acid	<2			
L602195-03 Field Blank	240-243472-F-3	Plastic 1 liter - unpreserved				
L602195-03 Field Blank	240-243472-G-3	Plastic 1 liter - Nitric Acid	<2			
L602195-03 Field Blank	240-243472-H-3	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-214357.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 240-243472-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/4/2026			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
L602195-01 MW-7D (240-243472-1)	2/17/26	09:37 Eastern	G	Water			X	2	
L602195-02 MWT-7D (240-243472-2)	2/17/26	09:37 Eastern	G	Water			X	2	
L602195-03 Field Blank (240-243472-3)	2/17/26	08:40 Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	CHRIS ROAN	2/19/26 4:00	EC	Sima Washington	2/20/26 0840	GTAS N
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-243472-2

Login Number: 243472
List Number: 2
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 02/20/26 12:14 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

Generated 3/29/2026 10:53:12 PM

JOB DESCRIPTION

Erickson Project - MNA Tier II Geochem

JOB NUMBER

240-245693-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

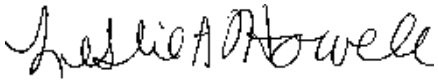
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



Generated
3/29/2026 10:53:12 PM

Authorized for release by
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

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Sample Summary 7
Detection Summary 8
Client Sample Results 9
QC Sample Results 22
QC Association Summary 24
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Definitions/Glossary

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-245693-1 — Eurofins Cleveland

Job Narrative
240-245693-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 3/18/2026 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	EPA	EET CLE
SM 4500 NO2 B	Nitrogen, Nitrite	SM	EET MI
SM4500 NO3 D	Nitrogen, Nitrate	SM	EET MI

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-245693-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-245693-1	L603195-01 MW-2	Water	03/17/26 14:10	03/18/26 10:40	Michigan
240-245693-2	L603195-02 MW-3	Water	03/17/26 12:10	03/18/26 10:40	Michigan
240-245693-3	L603195-03 MW-6	Water	03/17/26 15:10	03/18/26 10:40	Michigan
240-245693-4	L603195-04 MW-7	Water	03/17/26 12:17	03/18/26 10:40	Michigan
240-245693-5	L603195-05 MW-7C	Water	03/17/26 13:22	03/18/26 10:40	Michigan
240-245693-6	L603195-06 MW-7D	Water	03/17/26 14:37	03/18/26 10:40	Michigan
240-245693-7	L603195-07 MW-12	Water	03/17/26 16:50	03/18/26 10:40	Michigan
240-245693-8	L603195-08 MW-12B	Water	03/17/26 10:35	03/18/26 10:40	Michigan
240-245693-9	L603195-09 MW-14	Water	03/17/26 16:30	03/18/26 10:40	Michigan
240-245693-10	L603195-10 MW-18A	Water	03/17/26 09:37	03/18/26 10:40	Michigan
240-245693-11	L603195-11 MW-18D	Water	03/17/26 10:46	03/18/26 10:40	Michigan
240-245693-12	L603195--12 MWT-18A	Water	03/17/26 09:37	03/18/26 10:40	Michigan
240-245693-13	L603195- 13 FIELD BLANK	Water	03/17/26 08:15	03/18/26 10:40	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-245693-1

Client Sample ID: L603195-01 MW-2 — Lab Sample ID: 240-245693-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.063	J	0.10	0.015	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L603195-02 MW-3 — Lab Sample ID: 240-245693-2

No Detections.

Client Sample ID: L603195-03 MW-6 — Lab Sample ID: 240-245693-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	2.5		0.10	0.015	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L603195-04 MW-7 — Lab Sample ID: 240-245693-4

No Detections.

Client Sample ID: L603195-05 MW-7C — Lab Sample ID: 240-245693-5

No Detections.

Client Sample ID: L603195-06 MW-7D — Lab Sample ID: 240-245693-6

No Detections.

Client Sample ID: L603195-07 MW-12 — Lab Sample ID: 240-245693-7

No Detections.

Client Sample ID: L603195-08 MW-12B — Lab Sample ID: 240-245693-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.55		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L603195-09 MW-14 — Lab Sample ID: 240-245693-9

No Detections.

Client Sample ID: L603195-10 MW-18A — Lab Sample ID: 240-245693-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.66		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L603195-11 MW-18D — Lab Sample ID: 240-245693-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.98		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L603195--12 MWT-18A — Lab Sample ID: 240-245693-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.68		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L603195- 13 FIELD BLANK — Lab Sample ID: 240-245693-13

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195-01 MW-2
Lab Sample ID: 240-245693-1

Date Collected: 03/17/26 14:10
Matrix: Water
Date Received: 03/18/26 10:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (EPA 300.0-1993 R2.1)	ND		0.10	0.014	mg/L			03/19/26 12:14	1
Nitrate as N (EPA 300.0-1993 R2.1)	**0.063**	**J**	0.10	0.015	mg/L			03/19/26 12:14	1

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195-02 MW-3
Lab Sample ID: 240-245693-2
Date Collected: 03/17/26 12:10
Matrix: Water
Date Received: 03/18/26 10:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (EPA 300.0-1993 R2.1)	ND		0.10	0.014	mg/L			03/19/26 11:41	1
Nitrate as N (EPA 300.0-1993 R2.1)	ND		0.10	0.015	mg/L			03/19/26 11:41	1

Client Sample Results

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195-03 MW-6
Lab Sample ID: 240-245693-3

Date Collected: 03/17/26 15:10
Matrix: Water
Date Received: 03/18/26 10:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (EPA 300.0-1993 R2.1)	ND		0.10	0.014	mg/L			03/19/26 12:46	1
Nitrate as N (EPA 300.0-1993 R2.1)	**2.5**		0.10	0.015	mg/L			03/19/26 12:46	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-245693-1

Client Sample ID: L603195-04 MW-7
Date Collected: 03/17/26 12:17
Date Received: 03/18/26 10:40

Lab Sample ID: 240-245693-4
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (EPA 300.0-1993 R2.1)	ND		0.10	0.014	mg/L			03/19/26 11:57	1
Nitrate as N (EPA 300.0-1993 R2.1)	ND		0.10	0.015	mg/L			03/19/26 11:57	1

Client Sample Results

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195-05 MW-7C
Lab Sample ID: 240-245693-5

Date Collected: 03/17/26 13:22
Matrix: Water
Date Received: 03/18/26 10:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (EPA 300.0-1993 R2.1)	ND		0.10	0.014	mg/L			03/19/26 13:03	1
Nitrate as N (EPA 300.0-1993 R2.1)	ND		0.10	0.015	mg/L			03/19/26 13:03	1

Client Sample Results

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195-06 MW-7D
Lab Sample ID: 240-245693-6
Date Collected: 03/17/26 14:37
Matrix: Water
Date Received: 03/18/26 10:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (EPA 300.0-1993 R2.1)	ND		0.10	0.014	mg/L			03/19/26 11:16	1
Nitrate as N (EPA 300.0-1993 R2.1)	ND		0.10	0.015	mg/L			03/19/26 11:16	1

Client Sample Results

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195-07 MW-12
Lab Sample ID: 240-245693-7

Date Collected: 03/17/26 16:50
Matrix: Water
Date Received: 03/18/26 10:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (EPA 300.0-1993 R2.1)	ND		0.10	0.014	mg/L			03/19/26 13:19	1
Nitrate as N (EPA 300.0-1993 R2.1)	ND		0.10	0.015	mg/L			03/19/26 13:19	1

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195-08 MW-12B
Lab Sample ID: 240-245693-8
Date Collected: 03/17/26 10:35
Matrix: Water
Date Received: 03/18/26 10:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			03/18/26 17:51	1
Nitrate as N (SM4500 NO3 D)	**0.55**		0.20	0.070	mg/L			03/18/26 16:28	1

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195-09 MW-14
Lab Sample ID: 240-245693-9
Date Collected: 03/17/26 16:30
Matrix: Water
Date Received: 03/18/26 10:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (EPA 300.0-1993 R2.1)	ND		0.10	0.014	mg/L			03/19/26 13:35	1
Nitrate as N (EPA 300.0-1993 R2.1)	ND		0.10	0.015	mg/L			03/19/26 13:35	1

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195-10 MW-18A
Lab Sample ID: 240-245693-10
Date Collected: 03/17/26 09:37
Matrix: Water
Date Received: 03/18/26 10:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			03/18/26 17:50	1
Nitrate as N (SM4500 NO3 D)	**0.66**		0.20	0.070	mg/L			03/18/26 16:16	1

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195-11 MW-18D
Lab Sample ID: 240-245693-11

Date Collected: 03/17/26 10:46
Matrix: Water
Date Received: 03/18/26 10:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			03/18/26 17:51	1
Nitrate as N (SM4500 NO3 D)	**0.98**		0.20	0.070	mg/L			03/18/26 16:37	1

Client Sample Results

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195--12 MWT-18A
Lab Sample ID: 240-245693-12

Date Collected: 03/17/26 09:37
Matrix: Water
Date Received: 03/18/26 10:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			03/18/26 17:50	1
Nitrate as N (SM4500 NO3 D)	**0.68**		0.20	0.070	mg/L			03/18/26 16:12	1

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195- 13 FIELD BLANK
Lab Sample ID: 240-245693-13
Date Collected: 03/17/26 08:15
Matrix: Water
Date Received: 03/18/26 10:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			03/18/26 17:49	1
Nitrate as N (SM4500 NO3 D)	ND		0.20	0.070	mg/L			03/18/26 16:01	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 240-694311/3
Matrix: Water
Analysis Batch: 694311

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.014	mg/L			03/19/26 11:00	1
Nitrate as N	ND		0.10	0.015	mg/L			03/19/26 11:00	1

Lab Sample ID: LCS 240-694311/4
Matrix: Water
Analysis Batch: 694311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N			2.50	2.65		mg/L		106	90 - 110		
Nitrate as N			2.50	2.57		mg/L		103	90 - 110		

Lab Sample ID: 240-245693-6 MS
Matrix: Water
Analysis Batch: 694311

Client Sample ID: L603195-06 MW-7D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	ND		2.50	2.75		mg/L		110	80 - 120		
Nitrate as N	ND		2.50	2.74		mg/L		110	80 - 120		

Lab Sample ID: 240-245693-6 MSD
Matrix: Water
Analysis Batch: 694311

Client Sample ID: L603195-06 MW-7D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND		2.50	2.79		mg/L		112	80 - 120	2	15
Nitrate as N	ND		2.50	2.78		mg/L		111	80 - 120	1	15

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 190-13231/4
Matrix: Water
Analysis Batch: 13231

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.0097	mg/L			03/18/26 17:39	1

Lab Sample ID: LCS 190-13231/3
Matrix: Water
Analysis Batch: 13231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N			0.250	0.253		mg/L		101	90 - 110		

Lab Sample ID: 240-245693-11 MS
Matrix: Water
Analysis Batch: 13231

Client Sample ID: L603195-11 MW-18D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	ND		0.250	0.242		mg/L		97	75 - 125		

Method: SM 4500 NO2 B - Nitrogen, Nitrite (Continued)

Lab Sample ID: 240-245693-11 MSD
Matrix: Water
Analysis Batch: 13231

Client Sample ID: L603195-11 MW-18D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND		0.250	0.242		mg/L		97	75 - 125	0	20

Method: SM4500 NO3 D - Nitrogen, Nitrate

Lab Sample ID: MB 190-13233/3
Matrix: Water
Analysis Batch: 13233

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.070	mg/L			03/18/26 15:00	1

Lab Sample ID: LCS 190-13233/4
Matrix: Water
Analysis Batch: 13233

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			10.0	10.4		mg/L		104	90 - 110		

Lab Sample ID: 240-245693-11 MS
Matrix: Water
Analysis Batch: 13233

Client Sample ID: L603195-11 MW-18D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	0.98		10.0	10.4		mg/L		94	75 - 125		

Lab Sample ID: 240-245693-11 MSD
Matrix: Water
Analysis Batch: 13233

Client Sample ID: L603195-11 MW-18D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.98		10.0	10.0		mg/L		90	75 - 125	3	20

QC Association Summary

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

General Chemistry

Analysis Batch: 13231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-245693-8	L603195-08 MW-12B	Total/NA	Water	SM 4500 NO2 B	
240-245693-10	L603195-10 MW-18A	Total/NA	Water	SM 4500 NO2 B	
240-245693-11	L603195-11 MW-18D	Total/NA	Water	SM 4500 NO2 B	
240-245693-12	L603195--12 MWT-18A	Total/NA	Water	SM 4500 NO2 B	
240-245693-13	L603195- 13 FIELD BLANK	Total/NA	Water	SM 4500 NO2 B	
MB 190-13231/4	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 190-13231/3	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
240-245693-11 MS	L603195-11 MW-18D	Total/NA	Water	SM 4500 NO2 B	
240-245693-11 MSD	L603195-11 MW-18D	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 13233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-245693-8	L603195-08 MW-12B	Total/NA	Water	SM4500 NO3 D	
240-245693-10	L603195-10 MW-18A	Total/NA	Water	SM4500 NO3 D	
240-245693-11	L603195-11 MW-18D	Total/NA	Water	SM4500 NO3 D	
240-245693-12	L603195--12 MWT-18A	Total/NA	Water	SM4500 NO3 D	
240-245693-13	L603195- 13 FIELD BLANK	Total/NA	Water	SM4500 NO3 D	
MB 190-13233/3	Method Blank	Total/NA	Water	SM4500 NO3 D	
LCS 190-13233/4	Lab Control Sample	Total/NA	Water	SM4500 NO3 D	
240-245693-11 MS	L603195-11 MW-18D	Total/NA	Water	SM4500 NO3 D	
240-245693-11 MSD	L603195-11 MW-18D	Total/NA	Water	SM4500 NO3 D	

Analysis Batch: 694311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-245693-1	L603195-01 MW-2	Total/NA	Water	300.0-1993 R2.1	
240-245693-2	L603195-02 MW-3	Total/NA	Water	300.0-1993 R2.1	
240-245693-3	L603195-03 MW-6	Total/NA	Water	300.0-1993 R2.1	
240-245693-4	L603195-04 MW-7	Total/NA	Water	300.0-1993 R2.1	
240-245693-5	L603195-05 MW-7C	Total/NA	Water	300.0-1993 R2.1	
240-245693-6	L603195-06 MW-7D	Total/NA	Water	300.0-1993 R2.1	
240-245693-7	L603195-07 MW-12	Total/NA	Water	300.0-1993 R2.1	
240-245693-9	L603195-09 MW-14	Total/NA	Water	300.0-1993 R2.1	
MB 240-694311/3	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 240-694311/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
240-245693-6 MS	L603195-06 MW-7D	Total/NA	Water	300.0-1993 R2.1	
240-245693-6 MSD	L603195-06 MW-7D	Total/NA	Water	300.0-1993 R2.1	

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195-01 MW-2
Lab Sample ID: 240-245693-1
Date Collected: 03/17/26 14:10
Matrix: Water
Date Received: 03/18/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0-1993 R2.1		1	694311	JMR	EET CLE	03/19/26 12:14

Client Sample ID: L603195-02 MW-3
Lab Sample ID: 240-245693-2
Date Collected: 03/17/26 12:10
Matrix: Water
Date Received: 03/18/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0-1993 R2.1		1	694311	JMR	EET CLE	03/19/26 11:41

Client Sample ID: L603195-03 MW-6
Lab Sample ID: 240-245693-3
Date Collected: 03/17/26 15:10
Matrix: Water
Date Received: 03/18/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0-1993 R2.1		1	694311	JMR	EET CLE	03/19/26 12:46

Client Sample ID: L603195-04 MW-7
Lab Sample ID: 240-245693-4
Date Collected: 03/17/26 12:17
Matrix: Water
Date Received: 03/18/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0-1993 R2.1		1	694311	JMR	EET CLE	03/19/26 11:57

Client Sample ID: L603195-05 MW-7C
Lab Sample ID: 240-245693-5
Date Collected: 03/17/26 13:22
Matrix: Water
Date Received: 03/18/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0-1993 R2.1		1	694311	JMR	EET CLE	03/19/26 13:03

Client Sample ID: L603195-06 MW-7D
Lab Sample ID: 240-245693-6
Date Collected: 03/17/26 14:37
Matrix: Water
Date Received: 03/18/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0-1993 R2.1		1	694311	JMR	EET CLE	03/19/26 11:16

Client Sample ID: L603195-07 MW-12
Lab Sample ID: 240-245693-7
Date Collected: 03/17/26 16:50
Matrix: Water
Date Received: 03/18/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0-1993 R2.1		1	694311	JMR	EET CLE	03/19/26 13:19

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603195-08 MW-12B
Lab Sample ID: 240-245693-8
Date Collected: 03/17/26 10:35
Matrix: Water
Date Received: 03/18/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13231	JED	EET MI	03/18/26 17:51
Total/NA	Analysis	SM4500 NO3 D		1	13233	JED	EET MI	03/18/26 16:28

Client Sample ID: L603195-09 MW-14
Lab Sample ID: 240-245693-9
Date Collected: 03/17/26 16:30
Matrix: Water
Date Received: 03/18/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0-1993 R2.1		1	694311	JMR	EET CLE	03/19/26 13:35

Client Sample ID: L603195-10 MW-18A
Lab Sample ID: 240-245693-10
Date Collected: 03/17/26 09:37
Matrix: Water
Date Received: 03/18/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13231	JED	EET MI	03/18/26 17:50
Total/NA	Analysis	SM4500 NO3 D		1	13233	JED	EET MI	03/18/26 16:16

Client Sample ID: L603195-11 MW-18D
Lab Sample ID: 240-245693-11
Date Collected: 03/17/26 10:46
Matrix: Water
Date Received: 03/18/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13231	JED	EET MI	03/18/26 17:51
Total/NA	Analysis	SM4500 NO3 D		1	13233	JED	EET MI	03/18/26 16:37

Client Sample ID: L603195--12 MWT-18A
Lab Sample ID: 240-245693-12
Date Collected: 03/17/26 09:37
Matrix: Water
Date Received: 03/18/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13231	JED	EET MI	03/18/26 17:50
Total/NA	Analysis	SM4500 NO3 D		1	13233	JED	EET MI	03/18/26 16:12

Client Sample ID: L603195- 13 FIELD BLANK
Lab Sample ID: 240-245693-13
Date Collected: 03/17/26 08:15
Matrix: Water
Date Received: 03/18/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13231	JED	EET MI	03/18/26 17:49
Total/NA	Analysis	SM4500 NO3 D		1	13233	JED	EET MI	03/18/26 16:01

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Job ID: 240-245693-1
Project/Site: Erickson Project - MNA Tier II Geochem

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-27

Laboratory: Eurofins Michigan

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Michigan	State	9180	08-07-28

Chain of Custody

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Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Project - MNA Tier II Geochem

Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM4500_NO2_B Nitrite [190]	SM4500_NO3_D Nitrate [190]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	5310C TOC [240]	SM4500_S2_D Total Sulfide [ROU]	Plastic 1 liter Wide - Unpreserved	Total Bottles For Sample
1	L603195-01 MW-2	Grab	Water	03/17/26 14:10				X	X				1	1
2	L603195-02 MW-3	Grab	Water	03/17/26 12:10				X	X				1	1
3	L603195-03 MW-6	Grab	Water	03/17/26 15:10				X	X				1	1
4	L603195-04 MW-7	Grab	Water	03/17/26 12:17				X	X				1	1
5	L603195-05 MW-7C	Grab	Water	03/17/26 13:22				X	X				1	1
6	L603195-06 MW-7D	Grab	Water	03/17/26 14:37				X	X				1	1
7	L603195-07 MW-12	Grab	Water	03/17/26 16:50				X	X				1	1
8	L603195-08 MW-12B	Grab	Water	03/17/26 10:35				X	X				1	1
9	L603195-09 MW-14	Grab	Water	03/17/26 16:30				X	X				1	1
10	L603195-10 MW-18A	Grab	Water	03/17/26 09:37				X	X				1	1
11	L603195-11 MW-18D	Grab	Water	03/17/26 10:46				X	X				1	1
12	L603195-12 MWT-18A	Grab	Water	03/17/26 09:37				X	X				1	1

*H -- Analysis on hold.

Chain of Custody

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Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer and Franklin Davis Ray

Description:
Erickson Project - MNA Tier II Geochem

Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM4500_NO2_B Nitrite [190]	SM4500_NO3_D Nitrate [190]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	5310C TOC [240]	SM4500_S2_D Total Sulfide [ROU]	Plastic 1 liter Wide - Unpreserved	Total Bottles For Sample
13	L603195-13 Field Blank	Grab	Water	03/17/26 08:15				X	X				1	1

Methods and Bottles

SM4500_NO2_B Nitrite [190]
SM4500_NO3_D Nitrate [190]
200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]
5310C TOC [240]
SM4500_S2_D Total Sulfide [ROU]
Plastic 1 liter Wide - Unpreserved
Total Bottles For Sample

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) **:** Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:		
Jennifer Caporale	03/18/26 09:42	Jennifer Caporale	03/18/26 09:42		

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260318A001								

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-245693-1

Login Number: 245693
List Number: 1
Creator: Howell, Leslie

List Source: Eurofins Cleveland

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time (excluding tests with immediate HTs)		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

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JOB DESCRIPTION

Erickson Project - MNA Tier II Geochem

JOB NUMBER

240-245802-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

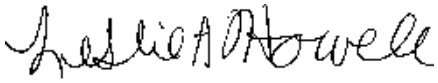
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-245802-1 — Eurofins Cleveland

Job Narrative
240-245802-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 3/19/2026 11:26 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Job ID: 240-245802-1
Project/Site: Erickson Project - MNA Tier II Geochem

Method	Method Description	Protocol	Laboratory
SM 4500 NO2 B	Nitrogen, Nitrite	SM	EET MI
SM4500 NO3 D	Nitrogen, Nitrate	SM	EET MI

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

Sample Summary

Client: Lansing Board of Water & Light
Job ID: 240-245802-1
Project/Site: Erickson Project - MNA Tier II Geochem

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-245802-1	L603198-01 MW-5	Water	03/18/26 15:58	03/19/26 11:26	Michigan
240-245802-2	L603198-02 MW-19A	Water	03/18/26 12:00	03/19/26 11:26	Michigan
240-245802-3	L603198-03 MW-19B	Water	03/18/26 13:16	03/19/26 11:26	Michigan
240-245802-4	L603198-04 MW-19C	Water	03/18/26 14:22	03/19/26 11:26	Michigan
240-245802-5	L603198-05 MW-19D	Water	03/18/26 15:27	03/19/26 11:26	Michigan
240-245802-6	L603198-06 MWT-19A	Water	03/18/26 12:00	03/19/26 11:26	Michigan
240-245802-7	L603198-07 Field Blank	Water	03/18/26 08:55	03/19/26 11:26	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Project - MNA Tier II Geochem

Job ID: 240-245802-1

Client Sample ID: L603198-01 MW-5 — Lab Sample ID: 240-245802-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.98		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L603198-02 MW-19A — Lab Sample ID: 240-245802-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	2.2		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L603198-03 MW-19B — Lab Sample ID: 240-245802-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	1.6		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L603198-04 MW-19C — Lab Sample ID: 240-245802-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.62		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L603198-05 MW-19D — Lab Sample ID: 240-245802-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.63		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L603198-06 MWT-19A — Lab Sample ID: 240-245802-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	2.1		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L603198-07 Field Blank — Lab Sample ID: 240-245802-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Lansing Board of Water & Light
Job ID: 240-245802-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603198-01 MW-5
Lab Sample ID: 240-245802-1

Date Collected: 03/18/26 15:58
Matrix: Water
Date Received: 03/19/26 11:26

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			03/19/26 14:08	1
Nitrate as N (SM4500 NO3 D)	**0.98**		0.20	0.070	mg/L			03/19/26 15:34	1

Client Sample Results

Client: Lansing Board of Water & Light
Job ID: 240-245802-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603198-02 MW-19A
Lab Sample ID: 240-245802-2

Date Collected: 03/18/26 12:00
Matrix: Water
Date Received: 03/19/26 11:26

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			03/19/26 13:34	1
Nitrate as N (SM4500 NO3 D)	**2.2**		0.20	0.070	mg/L			03/19/26 13:56	1

Client Sample Results

Client: Lansing Board of Water & Light
Job ID: 240-245802-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603198-03 MW-19B
Lab Sample ID: 240-245802-3

Date Collected: 03/18/26 13:16
Matrix: Water
Date Received: 03/19/26 11:26

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			03/19/26 13:35	1
Nitrate as N (SM4500 NO3 D)	**1.6**		0.20	0.070	mg/L			03/19/26 14:29	1

Client Sample Results

Client: Lansing Board of Water & Light
Job ID: 240-245802-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603198-04 MW-19C
Lab Sample ID: 240-245802-4

Date Collected: 03/18/26 14:22
Matrix: Water
Date Received: 03/19/26 11:26

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			03/19/26 14:08	1
Nitrate as N (SM4500 NO3 D)	**0.62**		0.20	0.070	mg/L			03/19/26 15:25	1

Client: Lansing Board of Water & Light
Job ID: 240-245802-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603198-05 MW-19D
Lab Sample ID: 240-245802-5
Date Collected: 03/18/26 15:27
Matrix: Water
Date Received: 03/19/26 11:26

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			03/19/26 14:07	1
Nitrate as N (SM4500 NO3 D)	**0.63**		0.20	0.070	mg/L			03/19/26 15:11	1

Client: Lansing Board of Water & Light
Job ID: 240-245802-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603198-06 MWT-19A
Lab Sample ID: 240-245802-6
Date Collected: 03/18/26 12:00
Matrix: Water
Date Received: 03/19/26 11:26

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			03/19/26 13:34	1
Nitrate as N (SM4500 NO3 D)	**2.1**		0.20	0.070	mg/L			03/19/26 14:06	1

Client Sample Results

Client: Lansing Board of Water & Light
Job ID: 240-245802-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603198-07 Field Blank
Lab Sample ID: 240-245802-7

Date Collected: 03/18/26 08:55
Matrix: Water
Date Received: 03/19/26 11:26

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			03/19/26 13:34	1
Nitrate as N (SM4500 NO3 D)	ND		0.20	0.070	mg/L			03/19/26 13:45	1

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 190-13234/4
Matrix: Water
Analysis Batch: 13234

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.0097	mg/L			03/19/26 13:33	1

Lab Sample ID: LCS 190-13234/3
Matrix: Water
Analysis Batch: 13234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.250	0.258		mg/L		103	90 - 110

Lab Sample ID: 240-245802-3 MS
Matrix: Water
Analysis Batch: 13234

Client Sample ID: L603198-03 MW-19B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	ND		0.250	0.230		mg/L		92	75 - 125

Lab Sample ID: 240-245802-3 MSD
Matrix: Water
Analysis Batch: 13234

Client Sample ID: L603198-03 MW-19B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND		0.250	0.233		mg/L		93	75 - 125	1	20

Method: SM4500 NO3 D - Nitrogen, Nitrate

Lab Sample ID: MB 190-13236/3
Matrix: Water
Analysis Batch: 13236

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.070	mg/L			03/19/26 12:49	1

Lab Sample ID: LCS 190-13236/4
Matrix: Water
Analysis Batch: 13236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	10.0	10.5		mg/L		105	90 - 110

Lab Sample ID: 240-245802-1 MS
Matrix: Water
Analysis Batch: 13236

Client Sample ID: L603198-01 MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.98		10.0	12.5		mg/L		116	75 - 125

Method: SM4500 NO3 D - Nitrogen, Nitrate (Continued)

Lab Sample ID: 240-245802-1 MSD
Matrix: Water
Analysis Batch: 13236

Client Sample ID: L603198-01 MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.98		10.0	11.9		mg/L		109	75 - 125	5	20

Lab Sample ID: 240-245802-3 MS
Matrix: Water
Analysis Batch: 13236

Client Sample ID: L603198-03 MW-19B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	1.6		10.0	12.6		mg/L		110	75 - 125

Lab Sample ID: 240-245802-3 MSD
Matrix: Water
Analysis Batch: 13236

Client Sample ID: L603198-03 MW-19B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	1.6		10.0	12.0		mg/L		103	75 - 125	5	20

QC Association Summary

Client: Lansing Board of Water & Light
Job ID: 240-245802-1
Project/Site: Erickson Project - MNA Tier II Geochem

General Chemistry

Analysis Batch: 13234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-245802-1	L603198-01 MW-5	Total/NA	Water	SM 4500 NO2 B	
240-245802-2	L603198-02 MW-19A	Total/NA	Water	SM 4500 NO2 B	
240-245802-3	L603198-03 MW-19B	Total/NA	Water	SM 4500 NO2 B	
240-245802-4	L603198-04 MW-19C	Total/NA	Water	SM 4500 NO2 B	
240-245802-5	L603198-05 MW-19D	Total/NA	Water	SM 4500 NO2 B	
240-245802-6	L603198-06 MWT-19A	Total/NA	Water	SM 4500 NO2 B	
240-245802-7	L603198-07 Field Blank	Total/NA	Water	SM 4500 NO2 B	
MB 190-13234/4	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 190-13234/3	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
240-245802-3 MS	L603198-03 MW-19B	Total/NA	Water	SM 4500 NO2 B	
240-245802-3 MSD	L603198-03 MW-19B	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 13236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-245802-1	L603198-01 MW-5	Total/NA	Water	SM4500 NO3 D	
240-245802-2	L603198-02 MW-19A	Total/NA	Water	SM4500 NO3 D	
240-245802-3	L603198-03 MW-19B	Total/NA	Water	SM4500 NO3 D	
240-245802-4	L603198-04 MW-19C	Total/NA	Water	SM4500 NO3 D	
240-245802-5	L603198-05 MW-19D	Total/NA	Water	SM4500 NO3 D	
240-245802-6	L603198-06 MWT-19A	Total/NA	Water	SM4500 NO3 D	
240-245802-7	L603198-07 Field Blank	Total/NA	Water	SM4500 NO3 D	
MB 190-13236/3	Method Blank	Total/NA	Water	SM4500 NO3 D	
LCS 190-13236/4	Lab Control Sample	Total/NA	Water	SM4500 NO3 D	
240-245802-1 MS	L603198-01 MW-5	Total/NA	Water	SM4500 NO3 D	
240-245802-1 MSD	L603198-01 MW-5	Total/NA	Water	SM4500 NO3 D	
240-245802-3 MS	L603198-03 MW-19B	Total/NA	Water	SM4500 NO3 D	
240-245802-3 MSD	L603198-03 MW-19B	Total/NA	Water	SM4500 NO3 D	

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-245802-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603198-01 MW-5
Lab Sample ID: 240-245802-1
Date Collected: 03/18/26 15:58
Matrix: Water
Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13234	JED	EET MI	03/19/26 14:08
Total/NA	Analysis	SM4500 NO3 D		1	13236	JED	EET MI	03/19/26 15:34

Client Sample ID: L603198-02 MW-19A
Lab Sample ID: 240-245802-2
Date Collected: 03/18/26 12:00
Matrix: Water
Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13234	JED	EET MI	03/19/26 13:34
Total/NA	Analysis	SM4500 NO3 D		1	13236	JED	EET MI	03/19/26 13:56

Client Sample ID: L603198-03 MW-19B
Lab Sample ID: 240-245802-3
Date Collected: 03/18/26 13:16
Matrix: Water
Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13234	JED	EET MI	03/19/26 13:35
Total/NA	Analysis	SM4500 NO3 D		1	13236	JED	EET MI	03/19/26 14:29

Client Sample ID: L603198-04 MW-19C
Lab Sample ID: 240-245802-4
Date Collected: 03/18/26 14:22
Matrix: Water
Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13234	JED	EET MI	03/19/26 14:08
Total/NA	Analysis	SM4500 NO3 D		1	13236	JED	EET MI	03/19/26 15:25

Client Sample ID: L603198-05 MW-19D
Lab Sample ID: 240-245802-5
Date Collected: 03/18/26 15:27
Matrix: Water
Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13234	JED	EET MI	03/19/26 14:07
Total/NA	Analysis	SM4500 NO3 D		1	13236	JED	EET MI	03/19/26 15:11

Client Sample ID: L603198-06 MWT-19A
Lab Sample ID: 240-245802-6
Date Collected: 03/18/26 12:00
Matrix: Water
Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13234	JED	EET MI	03/19/26 13:34
Total/NA	Analysis	SM4500 NO3 D		1	13236	JED	EET MI	03/19/26 14:06

Lab Chronicle

Client: Lansing Board of Water & Light
Job ID: 240-245802-1
Project/Site: Erickson Project - MNA Tier II Geochem

Client Sample ID: L603198-07 Field Blank
Lab Sample ID: 240-245802-7

Date Collected: 03/18/26 08:55
Matrix: Water
Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13234	JED	EET MI	03/19/26 13:34
Total/NA	Analysis	SM4500 NO3 D		1	13236	JED	EET MI	03/19/26 13:45

Laboratory References:

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Job ID: 240-245802-1
Project/Site: Erickson Project - MNA Tier II Geochem

Laboratory: Eurofins Michigan

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Michigan	State	9180	08-07-28

Chain of Custody

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Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer

Description:
Erickson Project - MNA Tier II Geochem

Site Name:
Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	SM4500_NO3_D Nitrate [190]	SM4500_NO2_B Nitrite [190]	SM4500_S2_D Total Sulfide [ROU]	5310C TOC [240]	200.8/FIELD_FLTRD Dissolved Metals, selected list [C01]	Plastic 1 liter Wide - Unpreserved	Total Bottles For Sample
1	L603198-01 MW-5	Grab	Water	03/18/26 15:58				X	X				1	1
2	L603198-02 MW-19A	Grab	Water	03/18/26 12:00				X	X				1	1
3	L603198-03 MW-19B	Grab	Water	03/18/26 13:16				X	X				1	1
4	L603198-04 MW-19C	Grab	Water	03/18/26 14:22				X	X				1	1
5	L603198-05 MW-19D	Grab	Water	03/18/26 15:27				X	X				1	1
6	L603198-06 MWT-19A	Grab	Water	03/18/26 12:00				X	X				1	1
7	L603198-07 Field Blank	Grab	Water	03/18/26 08:55				X	X				1	1

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) **:** Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:		
Jennifer Caporale	03/19/26 09:57	Jennifer Caporale	03/19/26 09:57		

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260319A001								

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-245802-1

Login Number: 245802
List Number: 1
Creator: Howell, Leslie

List Source: Eurofins Cleveland

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time (excluding tests with immediate HTs)		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

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JOB DESCRIPTION

Erickson Projects

JOB NUMBER

240-246344-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

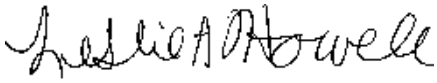
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Leslie Howell, Project Manager I
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(330)966-9266

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Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-246344-1 — Eurofins Cleveland

Job Narrative
240-246344-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 3/26/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET SSM
200.8	Metals (ICP/MS)	EPA	EET SSM
200.8-1994 R5.4	Metals (ICP/MS)	EPA	EET CLE
2340 B-2021	Total Hardness (as CaCO3) by calculation	SM	EET CLE
245.1-1994 R3.0	Mercury (CVAA)	EPA	EET CLE
2320 B-2021	Alkalinity	SM	EET CLE
2540 C-2020	Solids, Total Dissolved (TDS)	SM	EET CLE
2540D-2020	Solids, Total Suspended (TSS)	SM	EET CLE
300.0-1993 R2.1	Anions, Ion Chromatography	EPA	EET CLE
200.7	Preparation, Total Metals	EPA	EET SSM
200.8	Preparation, Total Metals	EPA	EET SSM
200.8-1994 R5.4	Preparation, Total Recoverable Metals	EPA	EET CLE
245.1-1994 R3.0	Preparation, Mercury	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-246344-1	L603207-01 MW-7D	Water	03/24/26 09:22	03/26/26 08:00	Michigan
240-246344-2	L603207-02 MWT-7D	Water	03/24/26 09:22	03/26/26 08:00	Michigan
240-246344-3	L603207-03 Field Blank	Water	03/24/26 08:25	03/26/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-1

Client Sample ID: L603207-01 MW-7D — Lab Sample ID: 240-246344-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	9.4		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	15		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.029		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00021	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1400		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	70		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	24		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.038		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.17		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	270		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	310		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	290		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.1	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	1.0		1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.32		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	1.6		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L603207-02 MWT-7D — Lab Sample ID: 240-246344-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
K	9.5		3.3	0.17	mg/L	1		200.7 Rev 4.4	Total/NA
Na	15		0.60	0.33	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.00090	J	0.0050	0.00075	mg/L	1		200.8-1994 R5.4	Total Recoverable
Barium	0.028		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cadmium	0.00015	J	0.0010	0.000077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Cobalt	0.00018	J	0.0010	0.000086	mg/L	1		200.8-1994 R5.4	Total Recoverable
Molybdenum	0.0011	J	0.0050	0.0011	mg/L	1		200.8-1994 R5.4	Total Recoverable
Thallium	0.00078	J	0.0010	0.00051	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1500		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	69		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	24		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.038		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.17		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	270		33	33	mg/L	1		2340 B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	310		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	320		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	0.90	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Chloride	0.99	J	1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample ID: L603207-02 MWT-7D (Continued)
Lab Sample ID: 240-246344-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.32		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	1.6		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L603207-03 Field Blank
Lab Sample ID: 240-246344-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	0.50	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: L603207-01 MW-7D

Date Collected: 03/24/26 09:22
Date Received: 03/26/26 08:00

Lab Sample ID: 240-246344-1

Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	9.4		3.3	0.17	mg/L		03/27/26 16:38	03/31/26 21:26	1
Na	15		0.60	0.33	mg/L		03/27/26 16:38	03/31/26 21:26	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		03/27/26 14:00	03/30/26 13:47	1
Arsenic	ND		0.0050	0.00075	mg/L		03/27/26 14:00	03/30/26 13:47	1
Barium	0.029		0.0050	0.00077	mg/L		03/27/26 14:00	03/30/26 13:47	1
Beryllium	ND		0.0010	0.00027	mg/L		03/27/26 14:00	03/30/26 13:47	1
Cadmium	ND		0.0010	0.000077	mg/L		03/27/26 14:00	03/30/26 13:47	1
Cobalt	0.00021	J	0.0010	0.000086	mg/L		03/27/26 14:00	03/30/26 13:47	1
Chromium	ND		0.0050	0.0012	mg/L		03/27/26 14:00	03/30/26 13:47	1
Copper	ND		0.0020	0.0017	mg/L		03/27/26 14:00	03/30/26 13:47	1
Molybdenum	ND		0.0050	0.0011	mg/L		03/27/26 14:00	03/30/26 13:47	1
Nickel	ND		0.0020	0.0015	mg/L		03/27/26 14:00	03/30/26 13:47	1
Lead	ND		0.0010	0.00045	mg/L		03/27/26 14:00	03/30/26 13:47	1
Antimony	ND		0.0020	0.00057	mg/L		03/27/26 14:00	03/30/26 13:47	1
Selenium	ND		0.0050	0.00089	mg/L		03/27/26 14:00	03/30/26 13:47	1
Thallium	ND		0.0010	0.00051	mg/L		03/27/26 14:00	03/30/26 13:47	1
Vanadium	ND		0.0050	0.00082	mg/L		03/27/26 14:00	03/30/26 13:47	1
Boron	1400		200	160	ug/L		03/27/26 14:00	03/31/26 11:24	10
Calcium	70		1.0	0.25	mg/L		03/27/26 14:00	03/30/26 13:47	1
Magnesium	24		1.0	0.061	mg/L		03/27/26 14:00	03/30/26 13:47	1
Lithium	0.038		0.0080	0.0034	mg/L		03/27/26 14:00	03/30/26 13:47	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.17		0.10	0.013	mg/L		03/27/26 16:38	03/30/26 15:59	1
Zinc	ND		0.0070	0.00093	mg/L		03/27/26 16:38	03/30/26 15:59	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	270		33	33	mg/L			03/31/26 05:09	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		03/27/26 14:00	03/30/26 11:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	310		5.0	2.6	mg/L			04/01/26 02:47	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			04/01/26 02:47	1
Total Dissolved Solids (SM 2540 C-2020)	290		10	7.8	mg/L			03/30/26 10:11	1
Total Suspended Solids (SM 2540D-2020)	1.1	J	4.0	0.40	mg/L			03/30/26 11:16	1
Chloride (EPA 300.0-1993 R2.1)	1.0		1.0	0.13	mg/L			03/30/26 14:46	1
Fluoride (EPA 300.0-1993 R2.1)	0.32		0.050	0.024	mg/L			03/30/26 14:46	1
Sulfate (EPA 300.0-1993 R2.1)	1.6		1.0	0.35	mg/L			03/30/26 14:46	1

Client Sample ID: L603207-02 MWT-7D
Date Collected: 03/24/26 09:22
Date Received: 03/26/26 08:00

Lab Sample ID: 240-246344-2
Matrix: Water

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	9.5		3.3	0.17	mg/L		03/27/26 16:38	03/31/26 21:29	1
Na	15		0.60	0.33	mg/L		03/27/26 16:38	03/31/26 21:29	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		03/27/26 14:00	03/30/26 14:00	1
Arsenic	0.00090	J	0.0050	0.00075	mg/L		03/27/26 14:00	03/30/26 14:00	1
Barium	0.028		0.0050	0.00077	mg/L		03/27/26 14:00	03/30/26 14:00	1
Beryllium	ND		0.0010	0.00027	mg/L		03/27/26 14:00	03/30/26 14:00	1
Cadmium	0.00015	J	0.0010	0.000077	mg/L		03/27/26 14:00	03/30/26 14:00	1
Cobalt	0.00018	J	0.0010	0.000086	mg/L		03/27/26 14:00	03/30/26 14:00	1
Chromium	ND		0.0050	0.0012	mg/L		03/27/26 14:00	03/30/26 14:00	1
Copper	ND		0.0020	0.0017	mg/L		03/27/26 14:00	03/30/26 14:00	1
Molybdenum	0.0011	J	0.0050	0.0011	mg/L		03/27/26 14:00	03/30/26 14:00	1
Nickel	ND		0.0020	0.0015	mg/L		03/27/26 14:00	03/30/26 14:00	1
Lead	ND		0.0010	0.00045	mg/L		03/27/26 14:00	03/30/26 14:00	1
Antimony	ND		0.0020	0.00057	mg/L		03/27/26 14:00	03/30/26 14:00	1
Selenium	ND		0.0050	0.00089	mg/L		03/27/26 14:00	03/30/26 14:00	1
Thallium	0.00078	J	0.0010	0.00051	mg/L		03/27/26 14:00	03/30/26 14:00	1
Vanadium	ND		0.0050	0.00082	mg/L		03/27/26 14:00	03/30/26 14:00	1
Boron	1500		200	160	ug/L		03/27/26 14:00	03/31/26 11:32	10
Calcium	69		1.0	0.25	mg/L		03/27/26 14:00	03/30/26 14:00	1
Magnesium	24		1.0	0.061	mg/L		03/27/26 14:00	03/30/26 14:00	1
Lithium	0.038		0.0080	0.0034	mg/L		03/27/26 14:00	03/30/26 14:00	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.17		0.10	0.013	mg/L		03/27/26 16:38	03/30/26 16:02	1
Zinc	ND		0.0070	0.00093	mg/L		03/27/26 16:38	03/30/26 16:02	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	270		33	33	mg/L			03/31/26 05:09	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		03/27/26 14:00	03/30/26 11:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	310		5.0	2.6	mg/L			04/01/26 02:56	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			04/01/26 02:56	1
Total Dissolved Solids (SM 2540 C-2020)	320		10	7.8	mg/L			03/30/26 10:11	1
Total Suspended Solids (SM 2540D-2020)	0.90	J	4.0	0.40	mg/L			03/30/26 11:16	1
Chloride (EPA 300.0-1993 R2.1)	0.99	J	1.0	0.13	mg/L			03/30/26 14:53	1
Fluoride (EPA 300.0-1993 R2.1)	0.32		0.050	0.024	mg/L			03/30/26 14:53	1
Sulfate (EPA 300.0-1993 R2.1)	1.6		1.0	0.35	mg/L			03/30/26 14:53	1

Client Sample ID: L603207-03 Field Blank

Lab Sample ID: 240-246344-3

Date Collected: 03/24/26 08:25

Matrix: Water

Date Received: 03/26/26 08:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		03/27/26 16:38	03/31/26 21:10	1
Na	ND		0.60	0.33	mg/L		03/27/26 16:38	03/31/26 21:10	1

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		03/27/26 14:00	03/30/26 14:03	1
Arsenic	ND		0.0050	0.00075	mg/L		03/27/26 14:00	03/30/26 14:03	1
Barium	ND		0.0050	0.00077	mg/L		03/27/26 14:00	03/30/26 14:03	1
Beryllium	ND		0.0010	0.00027	mg/L		03/27/26 14:00	03/30/26 14:03	1
Cadmium	ND		0.0010	0.000077	mg/L		03/27/26 14:00	03/30/26 14:03	1
Cobalt	ND		0.0010	0.000086	mg/L		03/27/26 14:00	03/30/26 14:03	1
Chromium	ND		0.0050	0.0012	mg/L		03/27/26 14:00	03/30/26 14:03	1
Copper	ND		0.0020	0.0017	mg/L		03/27/26 14:00	03/30/26 14:03	1
Molybdenum	ND		0.0050	0.0011	mg/L		03/27/26 14:00	03/30/26 14:03	1
Nickel	ND		0.0020	0.0015	mg/L		03/27/26 14:00	03/30/26 14:03	1
Lead	ND		0.0010	0.00045	mg/L		03/27/26 14:00	03/30/26 14:03	1
Antimony	ND		0.0020	0.00057	mg/L		03/27/26 14:00	03/30/26 14:03	1
Selenium	ND		0.0050	0.00089	mg/L		03/27/26 14:00	03/30/26 14:03	1
Thallium	ND		0.0010	0.00051	mg/L		03/27/26 14:00	03/30/26 14:03	1
Vanadium	ND		0.0050	0.00082	mg/L		03/27/26 14:00	03/30/26 14:03	1
Boron	ND		20	16	ug/L		03/27/26 14:00	03/31/26 11:35	1
Calcium	ND		1.0	0.25	mg/L		03/27/26 14:00	03/30/26 14:03	1
Magnesium	ND		1.0	0.061	mg/L		03/27/26 14:00	03/30/26 14:03	1
Lithium	ND		0.0080	0.0034	mg/L		03/27/26 14:00	03/30/26 14:03	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		03/27/26 16:38	03/30/26 15:24	1
Zinc	ND		0.0070	0.00093	mg/L		03/27/26 16:38	03/30/26 15:24	1

Method: SM 2340 B-2021 - Total Hardness (as CaCO3) by calculation - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		33	33	mg/L			03/31/26 05:09	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		03/27/26 14:00	03/30/26 11:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			04/01/26 03:04	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			04/01/26 03:04	1
Total Dissolved Solids (SM 2540 C-2020)	ND		10	7.8	mg/L			03/30/26 10:11	1
Total Suspended Solids (SM 2540D-2020)	**0.50**	**J**	4.0	0.40	mg/L			03/30/26 11:16	1
Chloride (EPA 300.0-1993 R2.1)	ND		1.0	0.13	mg/L			03/30/26 15:01	1
Fluoride (EPA 300.0-1993 R2.1)	ND		0.050	0.024	mg/L			03/30/26 15:01	1
Sulfate (EPA 300.0-1993 R2.1)	ND		1.0	0.35	mg/L			03/30/26 15:01	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 350-13449/1-A
Matrix: Water
Analysis Batch: 13532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13449

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K	ND		3.3	0.17	mg/L		03/27/26 16:38	03/31/26 21:04	1
Na	ND		0.60	0.33	mg/L		03/27/26 16:38	03/31/26 21:04	1

Lab Sample ID: LCS 350-13449/2-A
Matrix: Water
Analysis Batch: 13532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
K	20.0	19.2		mg/L		96	85 - 115
Na	20.0	20.1		mg/L		100	85 - 115

Lab Sample ID: 240-246344-3 MS
Matrix: Water
Analysis Batch: 13532

Client Sample ID: L603207-03 Field Blank
Prep Type: Total/NA
Prep Batch: 13449

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
K	ND		20.0	19.5		mg/L		97	70 - 130
Na	ND		20.0	20.2		mg/L		101	70 - 130

Lab Sample ID: 240-246344-3 MSD
Matrix: Water
Analysis Batch: 13532

Client Sample ID: L603207-03 Field Blank
Prep Type: Total/NA
Prep Batch: 13449

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
K	ND		20.0	19.5		mg/L		97	70 - 130	0	20
Na	ND		20.0	20.3		mg/L		101	70 - 130	0	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 350-13449/1-A
Matrix: Water
Analysis Batch: 13493

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13449

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		03/27/26 16:38	03/30/26 15:17	1
Zinc	ND		0.0070	0.00093	mg/L		03/27/26 16:38	03/30/26 15:17	1

Lab Sample ID: LCS 350-13449/2-A
Matrix: Water
Analysis Batch: 13493

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	20.0	19.4		mg/L		97	85 - 115
Zinc	1.00	1.02		mg/L		102	85 - 115

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-246344-3 MS
Matrix: Water
Analysis Batch: 13493

Client Sample ID: L603207-03 Field Blank
Prep Type: Total/NA
Prep Batch: 13449

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	ND		20.0	19.2		mg/L		96	70 - 130
Zinc	ND		1.00	0.984		mg/L		98	70 - 130

Lab Sample ID: 240-246344-3 MSD
Matrix: Water
Analysis Batch: 13493

Client Sample ID: L603207-03 Field Blank
Prep Type: Total/NA
Prep Batch: 13449

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	ND		20.0	20.2		mg/L		101	70 - 130	5	20
Zinc	ND		1.00	1.03		mg/L		103	70 - 130	4	20

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: MB 240-695312/1-A
Matrix: Water
Analysis Batch: 695590

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 695312

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		03/27/26 14:00	03/30/26 10:32	1
Arsenic	ND		0.0050	0.00075	mg/L		03/27/26 14:00	03/30/26 10:32	1
Barium	ND		0.0050	0.00077	mg/L		03/27/26 14:00	03/30/26 10:32	1
Beryllium	ND		0.0010	0.00027	mg/L		03/27/26 14:00	03/30/26 10:32	1
Cadmium	ND		0.0010	0.000077	mg/L		03/27/26 14:00	03/30/26 10:32	1
Cobalt	ND		0.0010	0.000086	mg/L		03/27/26 14:00	03/30/26 10:32	1
Chromium	ND		0.0050	0.0012	mg/L		03/27/26 14:00	03/30/26 10:32	1
Copper	ND		0.0020	0.0017	mg/L		03/27/26 14:00	03/30/26 10:32	1
Molybdenum	ND		0.0050	0.0011	mg/L		03/27/26 14:00	03/30/26 10:32	1
Nickel	ND		0.0020	0.0015	mg/L		03/27/26 14:00	03/30/26 10:32	1
Lead	ND		0.0010	0.00045	mg/L		03/27/26 14:00	03/30/26 10:32	1
Antimony	ND		0.0020	0.00057	mg/L		03/27/26 14:00	03/30/26 10:32	1
Selenium	ND		0.0050	0.00089	mg/L		03/27/26 14:00	03/30/26 10:32	1
Thallium	ND		0.0010	0.00051	mg/L		03/27/26 14:00	03/30/26 10:32	1
Vanadium	ND		0.0050	0.00082	mg/L		03/27/26 14:00	03/30/26 10:32	1
Boron	ND		20	16	ug/L		03/27/26 14:00	03/30/26 10:32	1
Calcium	ND		1.0	0.25	mg/L		03/27/26 14:00	03/30/26 10:32	1
Magnesium	ND		1.0	0.061	mg/L		03/27/26 14:00	03/30/26 10:32	1
Lithium	ND		0.0080	0.0034	mg/L		03/27/26 14:00	03/30/26 10:32	1

Lab Sample ID: LCS 240-695312/2-A
Matrix: Water
Analysis Batch: 695590

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 695312

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.100	0.0948		mg/L		95	85 - 115
Arsenic	1.00	0.906		mg/L		91	85 - 115
Barium	1.00	0.938		mg/L		94	85 - 115
Beryllium	0.500	0.488		mg/L		98	85 - 115
Cadmium	0.500	0.476		mg/L		95	85 - 115
Cobalt	0.500	0.457		mg/L		91	85 - 115

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-695312/2-A
Matrix: Water
Analysis Batch: 695590

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 695312

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.500	0.491		mg/L		98	85 - 115
Copper	0.500	0.458		mg/L		92	85 - 115
Molybdenum	0.500	0.459		mg/L		92	85 - 115
Nickel	0.500	0.457		mg/L		91	85 - 115
Lead	0.500	0.494		mg/L		99	85 - 115
Antimony	0.100	0.0980		mg/L		98	85 - 115
Selenium	1.00	0.904		mg/L		90	85 - 115
Thallium	1.00	1.04		mg/L		104	85 - 115
Vanadium	0.500	0.491		mg/L		98	85 - 115
Boron	100	98.7		ug/L		99	85 - 115
Calcium	25.0	24.0		mg/L		96	85 - 115
Magnesium	25.0	24.4		mg/L		98	85 - 115
Lithium	0.500	0.495		mg/L		99	85 - 115

Lab Sample ID: 240-246344-1 MS
Matrix: Water
Analysis Batch: 695653

Client Sample ID: L603207-01 MW-7D
Prep Type: Total Recoverable
Prep Batch: 695312

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	ND		0.100	0.0982		mg/L		98	70 - 130
Arsenic	ND		1.00	0.967		mg/L		97	70 - 130
Barium	0.029		1.00	0.996		mg/L		97	70 - 130
Beryllium	ND		0.500	0.502		mg/L		100	70 - 130
Cadmium	ND		0.500	0.482		mg/L		96	70 - 130
Cobalt	0.00021	J	0.500	0.481		mg/L		96	70 - 130
Chromium	ND		0.500	0.484		mg/L		97	70 - 130
Copper	ND		0.500	0.481		mg/L		96	70 - 130
Molybdenum	ND		0.500	0.488		mg/L		98	70 - 130
Nickel	ND		0.500	0.488		mg/L		98	70 - 130
Lead	ND		0.500	0.490		mg/L		98	70 - 130
Antimony	ND		0.100	0.101		mg/L		101	70 - 130
Selenium	ND		1.00	0.967		mg/L		97	70 - 130
Thallium	ND		1.00	1.03		mg/L		103	70 - 130
Vanadium	ND		0.500	0.490		mg/L		98	70 - 130
Calcium	70		25.0	95.2		mg/L		100	70 - 130
Magnesium	24		25.0	48.1		mg/L		96	70 - 130
Lithium	0.038		0.500	0.546		mg/L		102	70 - 130

Lab Sample ID: 240-246344-1 MS
Matrix: Water
Analysis Batch: 695764

Client Sample ID: L603207-01 MW-7D
Prep Type: Total Recoverable
Prep Batch: 695312

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1400		100	1570	4	ug/L		141	70 - 130

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: 240-246344-1 MSD
Matrix: Water
Analysis Batch: 695653

Client Sample ID: L603207-01 MW-7D
Prep Type: Total Recoverable
Prep Batch: 695312

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	ND		0.100	0.0987		mg/L		99	70 - 130	1	20
Arsenic	ND		1.00	0.965		mg/L		96	70 - 130	0	20
Barium	0.029		1.00	1.00		mg/L		97	70 - 130	1	20
Beryllium	ND		0.500	0.503		mg/L		101	70 - 130	0	20
Cadmium	ND		0.500	0.481		mg/L		96	70 - 130	0	20
Cobalt	0.00021	J	0.500	0.482		mg/L		96	70 - 130	0	20
Chromium	ND		0.500	0.492		mg/L		98	70 - 130	2	20
Copper	ND		0.500	0.482		mg/L		96	70 - 130	0	20
Molybdenum	ND		0.500	0.490		mg/L		98	70 - 130	0	20
Nickel	ND		0.500	0.489		mg/L		98	70 - 130	0	20
Lead	ND		0.500	0.496		mg/L		99	70 - 130	1	20
Antimony	ND		0.100	0.100		mg/L		100	70 - 130	1	20
Selenium	ND		1.00	0.975		mg/L		98	70 - 130	1	20
Thallium	ND		1.00	1.05		mg/L		105	70 - 130	1	20
Vanadium	ND		0.500	0.498		mg/L		100	70 - 130	2	20
Calcium	70		25.0	95.9		mg/L		103	70 - 130	1	20
Magnesium	24		25.0	48.7		mg/L		98	70 - 130	1	20
Lithium	0.038		0.500	0.548		mg/L		102	70 - 130	0	20

Lab Sample ID: 240-246344-1 MSD
Matrix: Water
Analysis Batch: 695764

Client Sample ID: L603207-01 MW-7D
Prep Type: Total Recoverable
Prep Batch: 695312

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1400		100	1600	4	ug/L		173	70 - 130	2	20

Method: 245.1-1994 R3.0 - Mercury (CVAA)

Lab Sample ID: MB 240-695314/1-A
Matrix: Water
Analysis Batch: 695602

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 695314

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		03/27/26 14:00	03/30/26 11:21	1

Lab Sample ID: LCS 240-695314/2-A
Matrix: Water
Analysis Batch: 695602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 695314

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00500	0.00495		mg/L		99	85 - 115		

Lab Sample ID: 240-246344-1 MS
Matrix: Water
Analysis Batch: 695602

Client Sample ID: L603207-01 MW-7D
Prep Type: Total/NA
Prep Batch: 695314

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.00100	0.00100		mg/L		100	70 - 130		

Method: 245.1-1994 R3.0 - Mercury (CVAA) (Continued)

Lab Sample ID: 240-246344-1 MSD — **Client Sample ID: L603207-01 MW-7D**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 695602 — **Prep Batch: 695314**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00101		mg/L		101	70 - 130	1	20

Method: 2320 B-2021 - Alkalinity

Lab Sample ID: MB 240-695866/31 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 695866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			03/31/26 22:39	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			03/31/26 22:39	1

Lab Sample ID: MB 240-695866/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 695866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			03/31/26 19:08	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			03/31/26 19:08	1

Method: 2540 C-2020 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-695540/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 695540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			03/30/26 10:11	1

Lab Sample ID: LCS 240-695540/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 695540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	664	640		mg/L		96	80 - 120

Lab Sample ID: 240-246344-3 DU — **Client Sample ID: L603207-03 Field Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 695540

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	ND		ND		mg/L		NC	20

Method: 2540D-2020 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-695569/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 695569

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			03/30/26 11:16	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-1

Method: 2540D-2020 - Solids, Total Suspended (TSS)

Lab Sample ID: LCS 240-695569/2
Matrix: Water
Analysis Batch: 695569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	50.1	54.0		mg/L		108	64 - 120

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 240-695401/4
Matrix: Water
Analysis Batch: 695401

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.13	mg/L			03/30/26 13:06	1
Fluoride	ND		0.050	0.024	mg/L			03/30/26 13:06	1
Sulfate	ND		1.0	0.35	mg/L			03/30/26 13:06	1

Lab Sample ID: LCS 240-695401/5
Matrix: Water
Analysis Batch: 695401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	51.9		mg/L		104	90 - 110
Fluoride	2.50	2.47		mg/L		99	90 - 110
Sulfate	50.0	53.0		mg/L		106	90 - 110

Metals

Prep Batch: 13449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total/NA	Water	200.8	
240-246344-2	L603207-02 MWT-7D	Total/NA	Water	200.8	
240-246344-3	L603207-03 Field Blank	Total/NA	Water	200.8	
MB 350-13449/1-A	Method Blank	Total/NA	Water	200.8	
LCS 350-13449/2-A	Lab Control Sample	Total/NA	Water	200.8	
240-246344-3 MS	L603207-03 Field Blank	Total/NA	Water	200.8	
240-246344-3 MSD	L603207-03 Field Blank	Total/NA	Water	200.8	

Analysis Batch: 13493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total/NA	Water	200.8	13449
240-246344-2	L603207-02 MWT-7D	Total/NA	Water	200.8	13449
240-246344-3	L603207-03 Field Blank	Total/NA	Water	200.8	13449
MB 350-13449/1-A	Method Blank	Total/NA	Water	200.8	13449
LCS 350-13449/2-A	Lab Control Sample	Total/NA	Water	200.8	13449
240-246344-3 MS	L603207-03 Field Blank	Total/NA	Water	200.8	13449
240-246344-3 MSD	L603207-03 Field Blank	Total/NA	Water	200.8	13449

Analysis Batch: 13532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total/NA	Water	200.7 Rev 4.4	13449
240-246344-2	L603207-02 MWT-7D	Total/NA	Water	200.7 Rev 4.4	13449
240-246344-3	L603207-03 Field Blank	Total/NA	Water	200.7 Rev 4.4	13449
MB 350-13449/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	13449
LCS 350-13449/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	13449
240-246344-3 MS	L603207-03 Field Blank	Total/NA	Water	200.7 Rev 4.4	13449
240-246344-3 MSD	L603207-03 Field Blank	Total/NA	Water	200.7 Rev 4.4	13449

Prep Batch: 695312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	
240-246344-2	L603207-02 MWT-7D	Total Recoverable	Water	200.8-1994 R5.4	
240-246344-3	L603207-03 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	
MB 240-695312/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-695312/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	
240-246344-1 MS	L603207-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	
240-246344-1 MSD	L603207-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	

Prep Batch: 695314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total/NA	Water	245.1-1994 R3.0	
240-246344-2	L603207-02 MWT-7D	Total/NA	Water	245.1-1994 R3.0	
240-246344-3	L603207-03 Field Blank	Total/NA	Water	245.1-1994 R3.0	
MB 240-695314/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	
LCS 240-695314/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	
240-246344-1 MS	L603207-01 MW-7D	Total/NA	Water	245.1-1994 R3.0	
240-246344-1 MSD	L603207-01 MW-7D	Total/NA	Water	245.1-1994 R3.0	

Analysis Batch: 695590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-695312/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	695312

Metals (Continued)

Analysis Batch: 695590 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-695312/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	695312

Analysis Batch: 695602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total/NA	Water	245.1-1994 R3.0	695314
240-246344-2	L603207-02 MWT-7D	Total/NA	Water	245.1-1994 R3.0	695314
240-246344-3	L603207-03 Field Blank	Total/NA	Water	245.1-1994 R3.0	695314
MB 240-695314/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	695314
LCS 240-695314/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	695314
240-246344-1 MS	L603207-01 MW-7D	Total/NA	Water	245.1-1994 R3.0	695314
240-246344-1 MSD	L603207-01 MW-7D	Total/NA	Water	245.1-1994 R3.0	695314

Analysis Batch: 695650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total Recoverable	Water	2340 B-2021	
240-246344-2	L603207-02 MWT-7D	Total Recoverable	Water	2340 B-2021	
240-246344-3	L603207-03 Field Blank	Total Recoverable	Water	2340 B-2021	

Analysis Batch: 695653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	695312
240-246344-2	L603207-02 MWT-7D	Total Recoverable	Water	200.8-1994 R5.4	695312
240-246344-3	L603207-03 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	695312
240-246344-1 MS	L603207-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	695312
240-246344-1 MSD	L603207-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	695312

Analysis Batch: 695764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	695312
240-246344-2	L603207-02 MWT-7D	Total Recoverable	Water	200.8-1994 R5.4	695312
240-246344-3	L603207-03 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	695312
240-246344-1 MS	L603207-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	695312
240-246344-1 MSD	L603207-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	695312

General Chemistry

Analysis Batch: 695401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total/NA	Water	300.0-1993 R2.1	
240-246344-2	L603207-02 MWT-7D	Total/NA	Water	300.0-1993 R2.1	
240-246344-3	L603207-03 Field Blank	Total/NA	Water	300.0-1993 R2.1	
MB 240-695401/4	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 240-695401/5	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 695540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total/NA	Water	2540 C-2020	
240-246344-2	L603207-02 MWT-7D	Total/NA	Water	2540 C-2020	
240-246344-3	L603207-03 Field Blank	Total/NA	Water	2540 C-2020	
MB 240-695540/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-695540/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

General Chemistry (Continued)

Analysis Batch: 695540 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-3 DU	L603207-03 Field Blank	Total/NA	Water	2540 C-2020	

Analysis Batch: 695569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total/NA	Water	2540D-2020	
240-246344-2	L603207-02 MWT-7D	Total/NA	Water	2540D-2020	
240-246344-3	L603207-03 Field Blank	Total/NA	Water	2540D-2020	
MB 240-695569/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-695569/2	Lab Control Sample	Total/NA	Water	2540D-2020	

Analysis Batch: 695866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total/NA	Water	2320 B-2021	
240-246344-2	L603207-02 MWT-7D	Total/NA	Water	2320 B-2021	
240-246344-3	L603207-03 Field Blank	Total/NA	Water	2320 B-2021	
MB 240-695866/31	Method Blank	Total/NA	Water	2320 B-2021	
MB 240-695866/5	Method Blank	Total/NA	Water	2320 B-2021	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-1

Client Sample ID: L603207-01 MW-7D

Lab Sample ID: 240-246344-1

Date Collected: 03/24/26 09:22
Date Received: 03/26/26 08:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			13449	RMN	EET SSM	03/27/26 16:38
Total/NA	Analysis	200.7 Rev 4.4		1	13532	JLS	EET SSM	03/31/26 21:26
Total/NA	Prep	200.8			13449	RMN	EET SSM	03/27/26 16:38
Total/NA	Analysis	200.8		1	13493	JL	EET SSM	03/30/26 15:59
Total Recoverable	Prep	200.8-1994 R5.4			695312	F3PF	EET CLE	03/27/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	695653	S4FJ	EET CLE	03/30/26 13:47
Total Recoverable	Prep	200.8-1994 R5.4			695312	F3PF	EET CLE	03/27/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		10	695764	S4FJ	EET CLE	03/31/26 11:24
Total Recoverable	Analysis	2340 B-2021		1	695650	KLC	EET CLE	03/31/26 05:09
Total/NA	Prep	245.1-1994 R3.0			695314	F3PF	EET CLE	03/27/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	695602	TQ6W	EET CLE	03/30/26 11:25
Total/NA	Analysis	2320 B-2021		1	695866	PQD2	EET CLE	04/01/26 02:47
Total/NA	Analysis	2540 C-2020		1	695540	TAV2	EET CLE	03/30/26 10:11
Total/NA	Analysis	2540D-2020		1	695569	TAV2	EET CLE	03/30/26 11:16
Total/NA	Analysis	300.0-1993 R2.1		1	695401	AAP	EET CLE	03/30/26 14:46

Client Sample ID: L603207-02 MWT-7D

Lab Sample ID: 240-246344-2

Date Collected: 03/24/26 09:22
Date Received: 03/26/26 08:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			13449	RMN	EET SSM	03/27/26 16:38
Total/NA	Analysis	200.7 Rev 4.4		1	13532	JLS	EET SSM	03/31/26 21:29
Total/NA	Prep	200.8			13449	RMN	EET SSM	03/27/26 16:38
Total/NA	Analysis	200.8		1	13493	JL	EET SSM	03/30/26 16:02
Total Recoverable	Prep	200.8-1994 R5.4			695312	F3PF	EET CLE	03/27/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	695653	S4FJ	EET CLE	03/30/26 14:00
Total Recoverable	Prep	200.8-1994 R5.4			695312	F3PF	EET CLE	03/27/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		10	695764	S4FJ	EET CLE	03/31/26 11:32
Total Recoverable	Analysis	2340 B-2021		1	695650	KLC	EET CLE	03/31/26 05:09
Total/NA	Prep	245.1-1994 R3.0			695314	F3PF	EET CLE	03/27/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	695602	TQ6W	EET CLE	03/30/26 11:30
Total/NA	Analysis	2320 B-2021		1	695866	PQD2	EET CLE	04/01/26 02:56
Total/NA	Analysis	2540 C-2020		1	695540	TAV2	EET CLE	03/30/26 10:11
Total/NA	Analysis	2540D-2020		1	695569	TAV2	EET CLE	03/30/26 11:16
Total/NA	Analysis	300.0-1993 R2.1		1	695401	AAP	EET CLE	03/30/26 14:53

Client Sample ID: L603207-03 Field Blank

Lab Sample ID: 240-246344-3

Date Collected: 03/24/26 08:25
Date Received: 03/26/26 08:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			13449	RMN	EET SSM	03/27/26 16:38
Total/NA	Analysis	200.7 Rev 4.4		1	13532	JLS	EET SSM	03/31/26 21:10

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-1

Client Sample ID: L603207-03 Field Blank

Lab Sample ID: 240-246344-3

Date Collected: 03/24/26 08:25

Matrix: Water

Date Received: 03/26/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			13449	RMN	EET SSM	03/27/26 16:38
Total/NA	Analysis	200.8		1	13493	JL	EET SSM	03/30/26 15:24
Total Recoverable	Prep	200.8-1994 R5.4			695312	F3PF	EET CLE	03/27/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	695653	S4FJ	EET CLE	03/30/26 14:03
Total Recoverable	Prep	200.8-1994 R5.4			695312	F3PF	EET CLE	03/27/26 14:00
Total Recoverable	Analysis	200.8-1994 R5.4		1	695764	S4FJ	EET CLE	03/31/26 11:35
Total Recoverable	Analysis	2340 B-2021		1	695650	KLC	EET CLE	03/31/26 05:09
Total/NA	Prep	245.1-1994 R3.0			695314	F3PF	EET CLE	03/27/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	695602	TQ6W	EET CLE	03/30/26 11:31
Total/NA	Analysis	2320 B-2021		1	695866	PQD2	EET CLE	04/01/26 03:04
Total/NA	Analysis	2540 C-2020		1	695540	TAV2	EET CLE	03/30/26 10:11
Total/NA	Analysis	2540D-2020		1	695569	TAV2	EET CLE	03/30/26 11:16
Total/NA	Analysis	300.0-1993 R2.1		1	695401	AAP	EET CLE	03/30/26 15:01

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-1

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-27

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
Arizona	State	AZ0854	01-13-27
California	State	2954	07-07-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	06-30-26
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167	07-07-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-25-24-59583A1	01-24-28
Washington	State	C788	07-13-26
Wisconsin	State	399133460	08-31-26

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name: Jennifer Caporale

Address : 1110 South Pennsylvania

Address 2:

City, State Zip: Lansing, Michigan 48901

Phone: 517-702-6482

Email: Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company: Lansing Board of Water & Light

Purchase Order: Contract number 4600002189

Work Order:

Requested TAT:

Project Number: 24034575

Sample State: MI

Special Instructions:

Project Manager: Howell, Leslie

Project Reference:

Sampler: Marc Wahrer

Description: Erickson Wellfield 7D

Site Name: Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	2540D Solids, Total Suspended (TSS) [TSS]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	Ra226_228GFPC_P Combined Ra226&228 [160]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	2540C_Calcd Total Dissolved Solids [TDS]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]	245.1/245.1_Prep Mercury [MER]	904.0/PrecSep_0 Ra-228 [STD]	200.8/200.8_P_TR Project List (18) [C01]			Plastic 500ml - unpreserved	Plastic 60 mL - unpreserved	Plastic 1 liter - unpreserved	Plastic 250ml - with Nitric Acid	Plastic 500ml - with Nitric Acid	Plastic 1 liter - Nitric Acid	Total Bottles For Sample
1	L603207-01 MW-7D	Grab	Water	03/24/26 09:22				X	X	X	X	X	X	X	X	X	X	X	X			1	2	1	1	1	2	8
2	L603207-02 MWT-7D	Grab	Water	03/24/26 09:22				X	X	X	X	X	X	X	X	X	X	X	X			1	2	1	1	1	2	8
3	L603207-03 Field Blank	Grab	Water	03/24/26 08:25				X	X	X	X	X	X	X	X	X	X	X	X			1	2	1	1	1	2	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:	
Jennifer Caporale	03/25/26 09:47	Jennifer Caporale	03/25/26 09:47	EC 3/26/26 0800

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260324A001								

240-246344 COC

Chain of Custody Number: **473077**

*H -- Analysis on hold.

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client Lansing Water & Board + Light Site Name _____ Cooler unpacked by:

Cooler Received on 3/26/26 Opened on 3/26/26

FedEx. 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 01 (CF +0.2 °C) Observed Cooler Temp 0.9 °C Corrected Cooler Temp. 1.1 °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No
	-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
	-Were tamper/custody seals intact and uncompromised?	(Yes) No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes (No)
4	Did custody papers accompany the sample(s)?	(Yes) No
5	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No
7	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
11	Sufficient quantity received to perform indicated analyses?	(Yes) No
12	Are these work share samples and all listed on the COC?	Yes (No)
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA pH Strip Lot# HC567196
14	Were VOAs on the COC?	Yes (No)
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No (NA)
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes (No)
17	Was a LL Hg or Me Hg trip blank present? _____	Yes (No)

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by

Labels Verified by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

3/26/2026

Login Container Summary Report

240-246344

4/1/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L603207-01 MW-7D	240-246344-A-1	Plastic 60 mL - unpreserved				
L603207-01 MW-7D	240-246344-B-1	Plastic 60 mL - unpreserved				
L603207-01 MW-7D	240-246344-C-1	Plastic 250ml - with Nitric Acid	<2			
L603207-01 MW-7D	240-246344-D-1	Plastic 500ml - unpreserved				
L603207-01 MW-7D	240-246344-E-1	Plastic 500ml - with Nitric Acid	<2			
L603207-01 MW-7D	240-246344-F-1	Plastic 1 liter - unpreserved				
L603207-01 MW-7D	240-246344-G-1	Plastic 1 liter - Nitric Acid	<2			
L603207-01 MW-7D	240-246344-H-1	Plastic 1 liter - Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-A-2	Plastic 60 mL - unpreserved				
L603207-02 MWT-7D	240-246344-B-2	Plastic 60 mL - unpreserved				
L603207-02 MWT-7D	240-246344-C-2	Plastic 250ml - with Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-D-2	Plastic 500ml - unpreserved				
L603207-02 MWT-7D	240-246344-E-2	Plastic 500ml - with Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-F-2	Plastic 1 liter - unpreserved				
L603207-02 MWT-7D	240-246344-G-2	Plastic 1 liter - Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-H-2	Plastic 1 liter - Nitric Acid	<2			
L603207-03 Field Blank	240-246344-A-3	Plastic 60 mL - unpreserved				
L603207-03 Field Blank	240-246344-B-3	Plastic 60 mL - unpreserved				
L603207-03 Field Blank	240-246344-C-3	Plastic 250ml - with Nitric Acid	<2			
L603207-03 Field Blank	240-246344-D-3	Plastic 500ml - unpreserved				
L603207-03 Field Blank	240-246344-E-3	Plastic 500ml - with Nitric Acid	<2			
L603207-03 Field Blank	240-246344-F-3	Plastic 1 liter - unpreserved				
L603207-03 Field Blank	240-246344-G-3	Plastic 1 liter - Nitric Acid	<2			
L603207-03 Field Blank	240-246344-H-3	Plastic 1 liter - Nitric Acid	<2			

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name: Jennifer Caporale
Address : 1110 South Pennsylvania
Address 2:
City, State Zip: Lansing, Michigan 48901
Phone: 517-702-6482
Email: Jennifer.Caporale@LBWL.com
Deliverables:

Project Info

Company: Lansing Board of Water & Light
Purchase Order: Contract number 4600002189
Work Order:
Requested TAT:
Project Number: 24034575
Sample State: MI
Special Instructions:

Project Manager: Howell, Leslie
Project Reference:
Sampler: Marc Wahrer
Description: Erickson Wellfield 7D
Site Name: Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	2540D Solids, Total Suspended (TSS) [TSS]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	Ra226_228GFPC_P Combined Ra226+228 [160]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	2540C_Calcd Total Dissolved Solids [TDS]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]	245.1/245.1_Prep Mercury [MER]	904.0/PrecSep_0 Ra-228 [STD]	200.8/200.8_P_TR Project List (18) [C01]			Plastic 500ml - unpreserved	Plastic 60 mL - unpreserved	Plastic 1 liter - unpreserved	Plastic 250ml - with Nitric Acid	Plastic 500ml - with Nitric Acid	Plastic 1 liter - Nitric Acid	Total Bottles For Sample
1	L603207-01 MW-7D	Grab	Water	03/24/26 09:22				X	X	X	X	X	X	X	X	X	X	X	X			1	2	1	1	1	2	8
2	L603207-02 MWT-7D	Grab	Water	03/24/26 09:22				X	X	X	X	X	X	X								1	2	1	1	1	2	8
3	L603207-03 Field Blank	Grab	Water	03/24/26 08:25				X	X	X	X	X	X	X	X	X	X	X	X			1	2	1	1	1	2	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:		
Jennifer Caporale	03/25/26 09:47	Jennifer Caporale	03/25/26 09:47	EC	3/26/26 0800

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260324A001								

240-246344 COC

Chain of Custody Number: **473077**

*H – Analysis on hold.

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client Lansing Water & Board + Light Site Name _____ Cooler unpacked by:

Cooler Received on 3/26/26 Opened on 3/26/26

FedEx 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

(Eurofins Cooler #) _____ Foam Box Client Cooler Box Other _____

Packing material used Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 01 (CF +0.2 °C) Observed Cooler Temp 0.9 °C Corrected Cooler Temp 1.1 °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No
	-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
	-Were tamper/custody seals intact and uncompromised?	(Yes) No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes (No)
4	Did custody papers accompany the sample(s)?	(Yes) No
5	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No
7	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
11	Sufficient quantity received to perform indicated analyses?	(Yes) No
12.	Are these work share samples and all listed on the COC?	Yes (No)
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA pH Strip Lot# HC567196
14	Were VOAs on the COC?	Yes (No)
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes No (NA)
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes (No)
17	Was a LL Hg or Me Hg trip blank present? _____	Yes (No)

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by

Labels Verified by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

3/26/2026

Login Container Summary Report

240-246344

4/1/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L603207-01 MW-7D	240-246344-A-1	Plastic 60 mL - unpreserved				
L603207-01 MW-7D	240-246344-B-1	Plastic 60 mL - unpreserved				
L603207-01 MW-7D	240-246344-C-1	Plastic 250ml - with Nitric Acid	<2			
L603207-01 MW-7D	240-246344-D-1	Plastic 500ml - unpreserved				
L603207-01 MW-7D	240-246344-E-1	Plastic 500ml - with Nitric Acid	<2			
L603207-01 MW-7D	240-246344-F-1	Plastic 1 liter - unpreserved				
L603207-01 MW-7D	240-246344-G-1	Plastic 1 liter - Nitric Acid	<2			
L603207-01 MW-7D	240-246344-H-1	Plastic 1 liter - Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-A-2	Plastic 60 mL - unpreserved				
L603207-02 MWT-7D	240-246344-B-2	Plastic 60 mL - unpreserved				
L603207-02 MWT-7D	240-246344-C-2	Plastic 250ml - with Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-D-2	Plastic 500ml - unpreserved				
L603207-02 MWT-7D	240-246344-E-2	Plastic 500ml - with Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-F-2	Plastic 1 liter - unpreserved				
L603207-02 MWT-7D	240-246344-G-2	Plastic 1 liter - Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-H-2	Plastic 1 liter - Nitric Acid	<2			
L603207-03 Field Blank	240-246344-A-3	Plastic 60 mL - unpreserved				
L603207-03 Field Blank	240-246344-B-3	Plastic 60 mL - unpreserved				
L603207-03 Field Blank	240-246344-C-3	Plastic 250ml - with Nitric Acid	<2			
L603207-03 Field Blank	240-246344-D-3	Plastic 500ml - unpreserved				
L603207-03 Field Blank	240-246344-E-3	Plastic 500ml - with Nitric Acid	<2			
L603207-03 Field Blank	240-246344-F-3	Plastic 1 liter - unpreserved				
L603207-03 Field Blank	240-246344-G-3	Plastic 1 liter - Nitric Acid	<2			
L603207-03 Field Blank	240-246344-H-3	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-216063.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 240-246344-1
Address: 5755 8th Street East, ,	Due Date Requested: 4/1/2026			Preservation Codes:
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Therm. ID: SC0 3 Cust. Seal: 0 N
Uncorr./Corr. Temp: 15.0/15.5 °C
Delivery: UPS / FedEx / Other
Ice Type: Blue / Dry / Wet / None
Label Ver. 4 Packing: B
Sc Red

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7_CWA/200.7_P_TOT(MOD) Iron & Zinc	200.8_CWA/200.8_P_TOT(MOD) Iron & Zinc	Total Number of Containers	Special Instructions/Note:
			Preservation Code:							
L603207-01 MW-7D (240-246344-1)	3/24/26	09:22 Eastern	G	Water			X	X		
L603207-02 MWT-7D (240-246344-2)	3/24/26	09:22 Eastern	G	Water			X	X		
L603207-03 Field Blank (240-246344-3)	3/24/26	08:25 Eastern	G	Water			X	X		

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification: Unconfirmed 4896 1534 8501	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
JLM	3/26/26 1500	EC		3/27/26 9:30	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

4/1/2026

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-246344-1

Login Number: 246344
List Number: 3
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 03/27/26 01:39 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

Generated 4/22/2026 3:18:20 PM

JOB DESCRIPTION

Erickson Projects

JOB NUMBER

240-246344-2

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

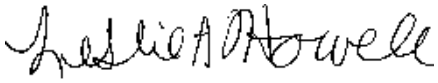
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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4/22/2026 3:18:20 PM

Authorized for release by
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

Table of Contents

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QC Association Summary 15
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Certification Summary 17
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Definitions/Glossary

Client: Lansing Board of Water & Light
Job ID: 240-246344-2
Project/Site: Erickson Projects

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-246344-2 — Eurofins Cleveland

Job Narrative
240-246344-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 3/26/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C.

Gas Flow Proportional Counter
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-2

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-246344-1	L603207-01 MW-7D	Water	03/24/26 09:22	03/26/26 08:00	Michigan
240-246344-2	L603207-02 MWT-7D	Water	03/24/26 09:22	03/26/26 08:00	Michigan
240-246344-3	L603207-03 Field Blank	Water	03/24/26 08:25	03/26/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Job ID: 240-246344-2
Project/Site: Erickson Projects

Client Sample ID: L603207-01 MW-7D
Lab Sample ID: 240-246344-1

No Detections.

Client Sample ID: L603207-02 MWT-7D
Lab Sample ID: 240-246344-2

No Detections.

Client Sample ID: L603207-03 Field Blank
Lab Sample ID: 240-246344-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: L603207-01 MW-7D

Date Collected: 03/24/26 09:22
Date Received: 03/26/26 08:00

Lab Sample ID: 240-246344-1

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.525**		0.162	0.169	1.00	0.160	pCi/L	03/30/26 12:06	04/21/26 08:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.2*		*30 - 110*	*03/30/26 12:06*	*04/21/26 08:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.503	U	0.425	0.428	1.00	0.667	pCi/L	03/30/26 12:10	04/14/26 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.2*		*30 - 110*	*03/30/26 12:10*	*04/14/26 12:04*	*1*
Y Carrier	*81.9*		*30 - 110*	*03/30/26 12:10*	*04/14/26 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.03**		0.455	0.460	5.00	0.667	pCi/L		04/22/26 14:02	1

Client Sample Results

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-2

Client Sample ID: L603207-02 MWT-7D

Date Collected: 03/24/26 09:22
Date Received: 03/26/26 08:00

Lab Sample ID: 240-246344-2

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.589		0.158	0.167	1.00	0.125	pCi/L	03/30/26 12:06	04/21/26 08:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.3*		*30 - 110*	*03/30/26 12:06*	*04/21/26 08:27*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.676		0.428	0.433	1.00	0.633	pCi/L	03/30/26 12:10	04/14/26 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.3*		*30 - 110*	*03/30/26 12:10*	*04/14/26 12:04*	*1*
Y Carrier	*81.5*		*30 - 110*	*03/30/26 12:10*	*04/14/26 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.26		0.456	0.464	5.00	0.633	pCi/L		04/22/26 14:02	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-2

Client Sample ID: L603207-03 Field Blank

Date Collected: 03/24/26 08:25
Date Received: 03/26/26 08:00

Lab Sample ID: 240-246344-3

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00170	U	0.0565	0.0565	1.00	0.118	pCi/L	03/30/26 12:06	04/21/26 08:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.9*		*30 - 110*	*03/30/26 12:06*	*04/21/26 08:28*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.118	U	0.281	0.281	1.00	0.563	pCi/L	03/30/26 12:10	04/14/26 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.9*		*30 - 110*	*03/30/26 12:10*	*04/14/26 12:04*	*1*
Y Carrier	*84.1*		*30 - 110*	*03/30/26 12:10*	*04/14/26 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.00170	U	0.287	0.287	5.00	0.563	pCi/L		04/22/26 14:02	1

Tracer/Carrier Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
240-246344-1	L603207-01 MW-7D	74.2
240-246344-1 DU	L603207-01 MW-7D	77.1
240-246344-2	L603207-02 MWT-7D	78.3
240-246344-3	L603207-03 Field Blank	82.9
LCS 160-763576/2-A	Lab Control Sample	84.1
MB 160-763576/1-A	Method Blank	83.2

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
240-246344-1	L603207-01 MW-7D	74.2	81.9
240-246344-1 DU	L603207-01 MW-7D	77.1	78.1
240-246344-2	L603207-02 MWT-7D	78.3	81.5
240-246344-3	L603207-03 Field Blank	82.9	84.1
LCS 160-763577/2-A	Lab Control Sample	84.1	85.2
MB 160-763577/1-A	Method Blank	83.2	83.0

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-763576/1-A
Matrix: Water
Analysis Batch: 766946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 763576

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.06791	U	0.0750	0.0752	1.00	0.120	pCi/L	03/30/26 12:06	04/21/26 08:27	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*03/30/26 12:06*	*04/21/26 08:27*	*1*

Lab Sample ID: LCS 160-763576/2-A
Matrix: Water
Analysis Batch: 766946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 763576

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	8.831		0.973	1.00	0.151	pCi/L	92	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*84.1*		*30 - 110*

Lab Sample ID: 240-246344-1 DU
Matrix: Water
Analysis Batch: 766946

Client Sample ID: L603207-01 MW-7D
Prep Type: Total/NA
Prep Batch: 763576

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.525			0.6734		0.179	1.00	0.128	pCi/L			0.43	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*77.1*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-763577/1-A
Matrix: Water
Analysis Batch: 765830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 763577

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4039	U	0.351	0.353	1.00	0.551	pCi/L	03/30/26 12:10	04/14/26 12:03	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*03/30/26 12:10*	*04/14/26 12:03*	*1*
Y Carrier	*83.0*		*30 - 110*	*03/30/26 12:10*	*04/14/26 12:03*	*1*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-763577/2-A
Matrix: Water
Analysis Batch: 765830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 763577

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.24	9.391		1.29	1.00	0.490	pCi/L	102	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*84.1*		*30 - 110*
Y Carrier	*85.2*		*30 - 110*

Lab Sample ID: 240-246344-1 DU
Matrix: Water
Analysis Batch: 765830

Client Sample ID: L603207-01 MW-7D
Prep Type: Total/NA
Prep Batch: 763577

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.503	U		0.8507		0.490	1.00	0.700	pCi/L			0.38	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*77.1*		*30 - 110*
Y Carrier	*78.1*		*30 - 110*

QC Association Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-2

Rad

Prep Batch: 763576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total/NA	Water	PrecSep-21	
240-246344-2	L603207-02 MWT-7D	Total/NA	Water	PrecSep-21	
240-246344-3	L603207-03 Field Blank	Total/NA	Water	PrecSep-21	
MB 160-763576/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-763576/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
240-246344-1 DU	L603207-01 MW-7D	Total/NA	Water	PrecSep-21	

Prep Batch: 763577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-246344-1	L603207-01 MW-7D	Total/NA	Water	PrecSep_0	
240-246344-2	L603207-02 MWT-7D	Total/NA	Water	PrecSep_0	
240-246344-3	L603207-03 Field Blank	Total/NA	Water	PrecSep_0	
MB 160-763577/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-763577/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
240-246344-1 DU	L603207-01 MW-7D	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-2

Client Sample ID: L603207-01 MW-7D

Lab Sample ID: 240-246344-1

Date Collected: 03/24/26 09:22
Matrix: Water
Date Received: 03/26/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			763576	VLQ	EET SL	03/30/26 12:06
Total/NA	Analysis	903.0		1	766946	SWS	EET SL	04/21/26 08:27
Total/NA	Prep	PrecSep_0			763577	VLQ	EET SL	03/30/26 12:10
Total/NA	Analysis	904.0		1	765830	FLC	EET SL	04/14/26 12:04
Total/NA	Analysis	Ra226_Ra228 Pos		1	767164	FLC	EET SL	04/22/26 14:02

Client Sample ID: L603207-02 MWT-7D

Lab Sample ID: 240-246344-2

Date Collected: 03/24/26 09:22
Matrix: Water
Date Received: 03/26/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			763576	VLQ	EET SL	03/30/26 12:06
Total/NA	Analysis	903.0		1	766946	SWS	EET SL	04/21/26 08:27
Total/NA	Prep	PrecSep_0			763577	VLQ	EET SL	03/30/26 12:10
Total/NA	Analysis	904.0		1	765830	FLC	EET SL	04/14/26 12:04
Total/NA	Analysis	Ra226_Ra228 Pos		1	767164	FLC	EET SL	04/22/26 14:02

Client Sample ID: L603207-03 Field Blank

Lab Sample ID: 240-246344-3

Date Collected: 03/24/26 08:25
Matrix: Water
Date Received: 03/26/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			763576	VLQ	EET SL	03/30/26 12:06
Total/NA	Analysis	903.0		1	766946	SWS	EET SL	04/21/26 08:28
Total/NA	Prep	PrecSep_0			763577	VLQ	EET SL	03/30/26 12:10
Total/NA	Analysis	904.0		1	765830	FLC	EET SL	04/14/26 12:04
Total/NA	Analysis	Ra226_Ra228 Pos		1	767164	FLC	EET SL	04/22/26 14:02

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-246344-2

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-26
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
Georgia (DW)	State	C061	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-26
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-26
Kentucky (DW)	State	KY90125	12-31-26
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-26
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-26
Maine	State	MO00054	03-05-28
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Hampshire	NELAP	2100	02-04-27
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	04-01-27
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-26
Oklahoma	NELAP	9997	12-31-26
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-27
Rhode Island	State	LAO00392	12-30-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Vermont	State	VT 87689	03-20-27
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	10-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name: Jennifer Caporale

Address : 1110 South Pennsylvania

Address 2:

City, State Zip: Lansing, Michigan 48901

Phone: 517-702-6482

Email: Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company: Lansing Board of Water & Light

Purchase Order: Contract number 4600002189

Work Order:

Requested TAT:

Project Number: 24034575

Sample State: MI

Special Instructions:

Project Manager: Howell, Leslie

Project Reference:

Sampler: Marc Wahrer

Description: Erickson Wellfield 7D

Site Name: Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	2540D Solids, Total Suspended (TSS) [TSS]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	Ra226_228GFPC_P Combined Ra226&228 [160]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	2540C_Calcd Total Dissolved Solids [TDS]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]	245.1/245.1_Prep Mercury [MER]	904.0/PrecSep_0 Ra-228 [STD]	200.8/200.8_P_TR Project List (18) [C01]			Plastic 500ml - unpreserved	Plastic 60 mL - unpreserved	Plastic 1 liter - unpreserved	Plastic 250ml - with Nitric Acid	Plastic 500ml - with Nitric Acid	Plastic 1 liter - Nitric Acid	Total Bottles For Sample
1	L603207-01 MW-7D	Grab	Water	03/24/26 09:22				X	X	X	X	X	X	X	X	X	X	X	X			1	2	1	1	1	2	8
2	L603207-02 MWT-7D	Grab	Water	03/24/26 09:22				X	X	X	X	X	X	X	X	X	X	X	X			1	2	1	1	1	2	8
3	L603207-03 Field Blank	Grab	Water	03/24/26 08:25				X	X	X	X	X	X	X	X	X	X	X	X			1	2	1	1	1	2	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:	
Jennifer Caporale	03/25/26 09:47	Jennifer Caporale	03/25/26 09:47	EC 3/26/26 0800

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260324A001								

240-246344 COC

Chain of Custody Number: **473077**

*H -- Analysis on hold.

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client Lansing Water & Boards + Light Site Name _____ Cooler unpacked by:

Cooler Received on 3/26/26 Opened on 3/26/26

FedEx. 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 01 (CF +0.2 °C) Observed Cooler Temp 0.9 °C Corrected Cooler Temp. 1.1 °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No
	-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
	-Were tamper/custody seals intact and uncompromised?	(Yes) No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes (No)
4	Did custody papers accompany the sample(s)?	(Yes) No
5	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No
7	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
11	Sufficient quantity received to perform indicated analyses?	(Yes) No
12	Are these work share samples and all listed on the COC?	Yes (No)
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA pH Strip Lot# HC567196
14	Were VOAs on the COC?	Yes (No)
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No (NA)
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes (No)
17	Was a LL Hg or Me Hg trip blank present? _____	Yes (No)

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by

Labels Verified by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

3/26/2026

Login Container Summary Report

240-246344

4/22/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L603207-01 MW-7D	240-246344-A-1	Plastic 60 mL - unpreserved				
L603207-01 MW-7D	240-246344-B-1	Plastic 60 mL - unpreserved				
L603207-01 MW-7D	240-246344-C-1	Plastic 250ml - with Nitric Acid	<2			
L603207-01 MW-7D	240-246344-D-1	Plastic 500ml - unpreserved				
L603207-01 MW-7D	240-246344-E-1	Plastic 500ml - with Nitric Acid	<2			
L603207-01 MW-7D	240-246344-F-1	Plastic 1 liter - unpreserved				
L603207-01 MW-7D	240-246344-G-1	Plastic 1 liter - Nitric Acid	<2			
L603207-01 MW-7D	240-246344-H-1	Plastic 1 liter - Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-A-2	Plastic 60 mL - unpreserved				
L603207-02 MWT-7D	240-246344-B-2	Plastic 60 mL - unpreserved				
L603207-02 MWT-7D	240-246344-C-2	Plastic 250ml - with Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-D-2	Plastic 500ml - unpreserved				
L603207-02 MWT-7D	240-246344-E-2	Plastic 500ml - with Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-F-2	Plastic 1 liter - unpreserved				
L603207-02 MWT-7D	240-246344-G-2	Plastic 1 liter - Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-H-2	Plastic 1 liter - Nitric Acid	<2			
L603207-03 Field Blank	240-246344-A-3	Plastic 60 mL - unpreserved				
L603207-03 Field Blank	240-246344-B-3	Plastic 60 mL - unpreserved				
L603207-03 Field Blank	240-246344-C-3	Plastic 250ml - with Nitric Acid	<2			
L603207-03 Field Blank	240-246344-D-3	Plastic 500ml - unpreserved				
L603207-03 Field Blank	240-246344-E-3	Plastic 500ml - with Nitric Acid	<2			
L603207-03 Field Blank	240-246344-F-3	Plastic 1 liter - unpreserved				
L603207-03 Field Blank	240-246344-G-3	Plastic 1 liter - Nitric Acid	<2			
L603207-03 Field Blank	240-246344-H-3	Plastic 1 liter - Nitric Acid	<2			

Chain of Custody

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Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name: Jennifer Caporale

Address : 1110 South Pennsylvania

Address 2:

City, State Zip: Lansing, Michigan 48901

Phone: 517-702-6482

Email: Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company: Lansing Board of Water & Light

Purchase Order: Contract number 4600002189

Work Order:

Requested TAT:

Project Number: 24034575

Sample State: MI

Special Instructions:

Project Manager: Howell, Leslie

Project Reference:

Sampler: Marc Wahrer

Description: Erickson Wellfield 7D

Site Name: Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	2540D Solids, Total Suspended (TSS) [TSS]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	Ra226_228GFPC_P Combined Ra226/228 [160]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	2540C_Calcd Total Dissolved Solids [TDS]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]	245.1/245.1_Prep Mercury [MER]	904.0/PrecSep_0 Ra-228 [STD]	200.8/200.8_P_TR Project List (18) [C01]			Plastic 500ml - unpreserved	Plastic 60 mL - unpreserved	Plastic 1 liter - unpreserved	Plastic 250ml - with Nitric Acid	Plastic 500ml - with Nitric Acid	Plastic 1 liter - Nitric Acid	Total Bottles For Sample
1	L603207-01 MW-7D	Grab	Water	03/24/26 09:22				X	X	X	X	X	X	X	X	X	X	X	X			1	2	1	1	1	2	8
2	L603207-02 MWT-7D	Grab	Water	03/24/26 09:22				X	X	X	X	X	X	X	[redacted]							1	2	1	1	1	2	8
3	L603207-03 Field Blank	Grab	Water	03/24/26 08:25				X	X	X	X	X	X	X	X	X	X	X	X			1	2	1	1	1	2	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished By:	Date/Time:		
Jennifer Caporale	03/25/26 09:47	Jennifer Caporale	03/25/26 09:47	[signature] EC	3/26/26 0800

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260324A001								

240-246344 COC

Chain of Custody Number: **473077**

*H – Analysis on hold.

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client Lansing Water & Board + Light Site Name _____ Cooler unpacked by:

Cooler Received on 3/26/26 Opened on 3/26/26

FedEx 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

(Eurofins Cooler #) _____ Foam Box Client Cooler Box Other _____

Packing material used Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 01 (CF +0.2 °C) Observed Cooler Temp 0.9 °C Corrected Cooler Temp 1.1 °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No
	-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
	-Were tamper/custody seals intact and uncompromised?	(Yes) No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes (No)
4	Did custody papers accompany the sample(s)?	(Yes) No
5	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No
7	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
11	Sufficient quantity received to perform indicated analyses?	(Yes) No
12.	Are these work share samples and all listed on the COC?	Yes (No)
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA pH Strip Lot# HC567196
14	Were VOAs on the COC?	Yes (No)
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes No (NA)
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes (No)
17	Was a LL Hg or Me Hg trip blank present? _____	Yes (No)

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by

Labels Verified by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

3/26/2026

Login Container Summary Report

240-246344

4/22/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L603207-01 MW-7D	240-246344-A-1	Plastic 60 mL - unpreserved				
L603207-01 MW-7D	240-246344-B-1	Plastic 60 mL - unpreserved				
L603207-01 MW-7D	240-246344-C-1	Plastic 250ml - with Nitric Acid	<2			
L603207-01 MW-7D	240-246344-D-1	Plastic 500ml - unpreserved				
L603207-01 MW-7D	240-246344-E-1	Plastic 500ml - with Nitric Acid	<2			
L603207-01 MW-7D	240-246344-F-1	Plastic 1 liter - unpreserved				
L603207-01 MW-7D	240-246344-G-1	Plastic 1 liter - Nitric Acid	<2			
L603207-01 MW-7D	240-246344-H-1	Plastic 1 liter - Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-A-2	Plastic 60 mL - unpreserved				
L603207-02 MWT-7D	240-246344-B-2	Plastic 60 mL - unpreserved				
L603207-02 MWT-7D	240-246344-C-2	Plastic 250ml - with Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-D-2	Plastic 500ml - unpreserved				
L603207-02 MWT-7D	240-246344-E-2	Plastic 500ml - with Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-F-2	Plastic 1 liter - unpreserved				
L603207-02 MWT-7D	240-246344-G-2	Plastic 1 liter - Nitric Acid	<2			
L603207-02 MWT-7D	240-246344-H-2	Plastic 1 liter - Nitric Acid	<2			
L603207-03 Field Blank	240-246344-A-3	Plastic 60 mL - unpreserved				
L603207-03 Field Blank	240-246344-B-3	Plastic 60 mL - unpreserved				
L603207-03 Field Blank	240-246344-C-3	Plastic 250ml - with Nitric Acid	<2			
L603207-03 Field Blank	240-246344-D-3	Plastic 500ml - unpreserved				
L603207-03 Field Blank	240-246344-E-3	Plastic 500ml - with Nitric Acid	<2			
L603207-03 Field Blank	240-246344-F-3	Plastic 1 liter - unpreserved				
L603207-03 Field Blank	240-246344-G-3	Plastic 1 liter - Nitric Acid	<2			
L603207-03 Field Blank	240-246344-H-3	Plastic 1 liter - Nitric Acid	<2			

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Howell, Leslie	Carrier Tracking No(s): N/A	COC No: 240-216064.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Leslie.Howell@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 240-246344-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 4/1/2026			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erickson Projects	Project #: 24034575			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	904.0/PrecSep_0Standard Target List	Ra226_228GFPC_P	903.0/PrecSep_21Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
L603207-01 MW-7D (240-246344-1)	3/24/26	09:22 Eastern	G	Water			X	X	X	1	
L603207-02 MWT-7D (240-246344-2)	3/24/26	09:22 Eastern	G	Water			X	X	X	2	
L603207-03 Field Blank (240-246344-3)	3/24/26	08:25 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
JUN	3/26/26 1500	EC		0915 MAR 27 2026	
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-246344-2

Login Number: 246344
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 03/27/26 12:15 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

Generated 4/10/2026 2:57:42 AM

JOB DESCRIPTION

Erickson Projects

JOB NUMBER

240-247244-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

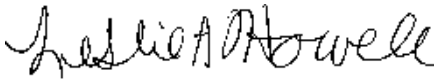
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



Generated
4/10/2026 2:57:42 AM

Authorized for release by
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

Table of Contents

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Definitions/Glossary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-247244-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-247244-1 — Eurofins Cleveland

Job Narrative
240-247244-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/2/2026 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

General Chemistry
Method SM4500 NO3 D: The matrix spike (MS) recoveries for analytical batch 190-13266 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-247244-1

Method	Method Description	Protocol	Laboratory
SM 4500 NO2 B	Nitrogen, Nitrite	SM	EET MI
SM4500 NO3 D	Nitrogen, Nitrate	SM	EET MI

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-247244-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-247244-1	L604167-01 MW-18B	Water	04/01/26 11:29	04/02/26 11:00	Michigan
240-247244-2	L604167-02 MW-18C	Water	04/01/26 12:28	04/02/26 11:00	Michigan
240-247244-3	L604167-03 MWT-18B	Water	04/01/26 11:29	04/02/26 11:00	Michigan
240-247244-4	L604167-04 Field Blank	Water	04/01/26 10:40	04/02/26 11:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-247244-1

Client Sample ID: L604167-01 MW-18B — Lab Sample ID: 240-247244-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	3.0		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L604167-02 MW-18C — Lab Sample ID: 240-247244-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	2.4	F1	0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L604167-03 MWT-18B — Lab Sample ID: 240-247244-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	2.2		0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

Client Sample ID: L604167-04 Field Blank — Lab Sample ID: 240-247244-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.071	J	0.20	0.070	mg/L	1		SM4500 NO3 D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-247244-1

Client Sample ID: L604167-01 MW-18B
Date Collected: 04/01/26 11:29
Date Received: 04/02/26 11:00

Lab Sample ID: 240-247244-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			04/02/26 15:47	1
Nitrate as N (SM4500 NO3 D)	**3.0**		0.20	0.070	mg/L			04/02/26 15:56	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-247244-1

Client Sample ID: L604167-02 MW-18C
Date Collected: 04/01/26 12:28
Date Received: 04/02/26 11:00

Lab Sample ID: 240-247244-2
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			04/02/26 15:52	1
Nitrate as N (SM4500 NO3 D)	**2.4**	**F1**	0.20	0.070	mg/L			04/02/26 16:28	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-247244-1

Client Sample ID: L604167-03 MWT-18B
Date Collected: 04/01/26 11:29
Date Received: 04/02/26 11:00

Lab Sample ID: 240-247244-3
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			04/02/26 15:49	1
Nitrate as N (SM4500 NO3 D)	**2.2**		0.20	0.070	mg/L			04/02/26 16:07	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-247244-1

Client Sample ID: L604167-04 Field Blank
Date Collected: 04/01/26 10:40
Date Received: 04/02/26 11:00

Lab Sample ID: 240-247244-4
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (SM 4500 NO2 B)	ND		0.10	0.0097	mg/L			04/02/26 15:46	1
Nitrate as N (SM4500 NO3 D)	**0.071**	**J**	0.20	0.070	mg/L			04/02/26 15:25	1

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 190-13252/12
Matrix: Water
Analysis Batch: 13252

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.10	0.0097	mg/L			04/02/26 15:45	1

Lab Sample ID: LCS 190-13252/11
Matrix: Water
Analysis Batch: 13252

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.250	0.253		mg/L		101	90 - 110

Lab Sample ID: 240-247244-3 MS
Matrix: Water
Analysis Batch: 13252

Client Sample ID: L604167-03 MWT-18B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	ND		0.250	0.225		mg/L		90	75 - 125

Lab Sample ID: 240-247244-3 MSD
Matrix: Water
Analysis Batch: 13252

Client Sample ID: L604167-03 MWT-18B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND		0.250	0.219		mg/L		88	75 - 125	3	20

Method: SM4500 NO3 D - Nitrogen, Nitrate

Lab Sample ID: MB 190-13266/3
Matrix: Water
Analysis Batch: 13266

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.070	mg/L			04/02/26 13:58	1

Lab Sample ID: LCS 190-13266/4
Matrix: Water
Analysis Batch: 13266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	10.0	10.8		mg/L		108	90 - 110

Lab Sample ID: 240-247244-2 MS
Matrix: Water
Analysis Batch: 13266

Client Sample ID: L604167-02 MW-18C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.4	F1	10.0	15.2	F1	mg/L		128	75 - 125

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-247244-1

Method: SM4500 NO3 D - Nitrogen, Nitrate (Continued)

Lab Sample ID: 240-247244-2 MSD
Matrix: Water
Analysis Batch: 13266

Client Sample ID: L604167-02 MW-18C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	2.4	F1	10.0	14.9		mg/L		125	75 - 125	2	20

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-247244-1

General Chemistry

Analysis Batch: 13252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-247244-1	L604167-01 MW-18B	Total/NA	Water	SM 4500 NO2 B	
240-247244-2	L604167-02 MW-18C	Total/NA	Water	SM 4500 NO2 B	
240-247244-3	L604167-03 MWT-18B	Total/NA	Water	SM 4500 NO2 B	
240-247244-4	L604167-04 Field Blank	Total/NA	Water	SM 4500 NO2 B	
MB 190-13252/12	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 190-13252/11	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
240-247244-3 MS	L604167-03 MWT-18B	Total/NA	Water	SM 4500 NO2 B	
240-247244-3 MSD	L604167-03 MWT-18B	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 13266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-247244-1	L604167-01 MW-18B	Total/NA	Water	SM4500 NO3 D	
240-247244-2	L604167-02 MW-18C	Total/NA	Water	SM4500 NO3 D	
240-247244-3	L604167-03 MWT-18B	Total/NA	Water	SM4500 NO3 D	
240-247244-4	L604167-04 Field Blank	Total/NA	Water	SM4500 NO3 D	
MB 190-13266/3	Method Blank	Total/NA	Water	SM4500 NO3 D	
LCS 190-13266/4	Lab Control Sample	Total/NA	Water	SM4500 NO3 D	
240-247244-2 MS	L604167-02 MW-18C	Total/NA	Water	SM4500 NO3 D	
240-247244-2 MSD	L604167-02 MW-18C	Total/NA	Water	SM4500 NO3 D	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-247244-1

Client Sample ID: L604167-01 MW-18B

Lab Sample ID: 240-247244-1

Date Collected: 04/01/26 11:29
Date Received: 04/02/26 11:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13252	LF3F	EET MI	04/02/26 15:47
Total/NA	Analysis	SM4500 NO3 D		1	13266	JED	EET MI	04/02/26 15:56

Client Sample ID: L604167-02 MW-18C

Lab Sample ID: 240-247244-2

Date Collected: 04/01/26 12:28
Date Received: 04/02/26 11:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13252	LF3F	EET MI	04/02/26 15:52
Total/NA	Analysis	SM4500 NO3 D		1	13266	JED	EET MI	04/02/26 16:28

Client Sample ID: L604167-03 MWT-18B

Lab Sample ID: 240-247244-3

Date Collected: 04/01/26 11:29
Date Received: 04/02/26 11:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13252	LF3F	EET MI	04/02/26 15:49
Total/NA	Analysis	SM4500 NO3 D		1	13266	JED	EET MI	04/02/26 16:07

Client Sample ID: L604167-04 Field Blank

Lab Sample ID: 240-247244-4

Date Collected: 04/01/26 10:40
Date Received: 04/02/26 11:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 NO2 B		1	13252	LF3F	EET MI	04/02/26 15:46
Total/NA	Analysis	SM4500 NO3 D		1	13266	JED	EET MI	04/02/26 15:25

Laboratory References:

EET MI = Eurofins Michigan, 38855 Hills Tech Dr., Suite 600, Farmington Hills, MI 48331, TEL (810)229-2763

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-247244-1

Laboratory: Eurofins Michigan

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Michigan	State	9180	08-07-28

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-247244-1

Login Number: 247244

List Source: Eurofins Cleveland

List Number: 1

Creator: Howell, Leslie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time (excluding tests with immediate HTs)		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

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JOB DESCRIPTION

Erickson Projects

JOB NUMBER

240-248870-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

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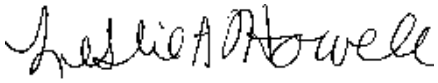

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Definitions/Glossary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-248870-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-248870-1 — Eurofins Cleveland

Job Narrative
240-248870-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/23/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-248870-1

Method	Method Description	Protocol	Laboratory
2320 B-2021	Alkalinity	SM	EET CLE
2540 C-2020	Solids, Total Dissolved (TDS)	SM	EET CLE
2540D-2020	Solids, Total Suspended (TSS)	SM	EET CLE

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-248870-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-248870-1	L604219-01 MW-7	Water	04/21/26 12:29	04/23/26 08:00	Michigan
240-248870-2	L604219-02 MWT-7	Water	04/21/26 12:29	04/23/26 08:00	Michigan
240-248870-3	L604219-03 MW-12	Water	04/21/26 13:12	04/23/26 08:00	Michigan
240-248870-4	L604219-04-MWT-12	Water	04/21/26 13:12	04/23/26 08:00	Michigan
240-248870-5	L604219-05 FIELD BLANK	Water	04/21/26 09:50	04/23/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-248870-1

Client Sample ID: L604219-01 MW-7 — Lab Sample ID: 240-248870-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	590		10	7.8	mg/L	1		2540 C-2020	Total/NA

Client Sample ID: L604219-02 MWT-7 — Lab Sample ID: 240-248870-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	580		10	7.8	mg/L	1		2540 C-2020	Total/NA

Client Sample ID: L604219-03 MW-12 — Lab Sample ID: 240-248870-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO3	610		5.0	2.6	mg/L	1		2320 B-2021	Total/NA

Client Sample ID: L604219-04-MWT-12 — Lab Sample ID: 240-248870-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO3	610		5.0	2.6	mg/L	1		2320 B-2021	Total/NA

Client Sample ID: L604219-05 FIELD BLANK — Lab Sample ID: 240-248870-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-248870-1

Client Sample ID: L604219-01 MW-7
Date Collected: 04/21/26 12:29
Date Received: 04/23/26 08:00

Lab Sample ID: 240-248870-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	**590**		10	7.8	mg/L			04/27/26 10:26	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			04/27/26 11:15	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-248870-1

Client Sample ID: L604219-02 MWT-7
Date Collected: 04/21/26 12:29
Date Received: 04/23/26 08:00

Lab Sample ID: 240-248870-2
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	**580**		10	7.8	mg/L			04/27/26 10:26	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			04/27/26 11:15	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-248870-1

Client Sample ID: L604219-03 MW-12
Date Collected: 04/21/26 13:12
Date Received: 04/23/26 08:00

Lab Sample ID: 240-248870-3
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**610**		5.0	2.6	mg/L			04/29/26 13:38	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			04/29/26 13:38	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-248870-1

Client Sample ID: L604219-04-MWT-12
Date Collected: 04/21/26 13:12
Date Received: 04/23/26 08:00

Lab Sample ID: 240-248870-4
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**610**		5.0	2.6	mg/L			04/29/26 13:48	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			04/29/26 13:48	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-248870-1

Client Sample ID: L604219-05 FIELD BLANK
Date Collected: 04/21/26 09:50
Date Received: 04/23/26 08:00

Lab Sample ID: 240-248870-5
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			04/29/26 14:09	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			04/29/26 14:09	1
Total Dissolved Solids (SM 2540 C-2020)	ND		10	7.8	mg/L			04/27/26 10:26	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			04/27/26 11:15	1

Method: 2320 B-2021 - Alkalinity

Lab Sample ID: MB 240-699886/5
Matrix: Water
Analysis Batch: 699886

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			04/29/26 11:51	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			04/29/26 11:51	1

Lab Sample ID: 240-248870-4 DU
Matrix: Water
Analysis Batch: 699886

Client Sample ID: L604219-04-MWT-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity as CaCO3	610		607		mg/L		0.7	20
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	20

Method: 2540 C-2020 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-699454/1
Matrix: Water
Analysis Batch: 699454

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			04/27/26 10:26	1

Lab Sample ID: LCS 240-699454/2
Matrix: Water
Analysis Batch: 699454

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	664	623		mg/L		94	80 - 120

Method: 2540D-2020 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-699471/1
Matrix: Water
Analysis Batch: 699471

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			04/27/26 11:15	1

Lab Sample ID: LCS 240-699471/2
Matrix: Water
Analysis Batch: 699471

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	50.1	46.0		mg/L		92	64 - 120

QC Association Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-248870-1

General Chemistry

Analysis Batch: 699454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-248870-1	L604219-01 MW-7	Total/NA	Water	2540 C-2020	
240-248870-2	L604219-02 MWT-7	Total/NA	Water	2540 C-2020	
240-248870-5	L604219-05 FIELD BLANK	Total/NA	Water	2540 C-2020	
MB 240-699454/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-699454/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 699471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-248870-1	L604219-01 MW-7	Total/NA	Water	2540D-2020	
240-248870-2	L604219-02 MWT-7	Total/NA	Water	2540D-2020	
240-248870-5	L604219-05 FIELD BLANK	Total/NA	Water	2540D-2020	
MB 240-699471/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-699471/2	Lab Control Sample	Total/NA	Water	2540D-2020	

Analysis Batch: 699886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-248870-3	L604219-03 MW-12	Total/NA	Water	2320 B-2021	
240-248870-4	L604219-04-MWT-12	Total/NA	Water	2320 B-2021	
240-248870-5	L604219-05 FIELD BLANK	Total/NA	Water	2320 B-2021	
MB 240-699886/5	Method Blank	Total/NA	Water	2320 B-2021	
240-248870-4 DU	L604219-04-MWT-12	Total/NA	Water	2320 B-2021	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-248870-1

Client Sample ID: L604219-01 MW-7

Lab Sample ID: 240-248870-1

Date Collected: 04/21/26 12:29

Matrix: Water

Date Received: 04/23/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540 C-2020		1	699454	C5SV	EET CLE	04/27/26 10:26
Total/NA	Analysis	2540D-2020		1	699471	C5SV	EET CLE	04/27/26 11:15

Client Sample ID: L604219-02 MWT-7

Lab Sample ID: 240-248870-2

Date Collected: 04/21/26 12:29

Matrix: Water

Date Received: 04/23/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540 C-2020		1	699454	C5SV	EET CLE	04/27/26 10:26
Total/NA	Analysis	2540D-2020		1	699471	C5SV	EET CLE	04/27/26 11:15

Client Sample ID: L604219-03 MW-12

Lab Sample ID: 240-248870-3

Date Collected: 04/21/26 13:12

Matrix: Water

Date Received: 04/23/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2320 B-2021		1	699886	PQD2	EET CLE	04/29/26 13:38

Client Sample ID: L604219-04-MWT-12

Lab Sample ID: 240-248870-4

Date Collected: 04/21/26 13:12

Matrix: Water

Date Received: 04/23/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2320 B-2021		1	699886	PQD2	EET CLE	04/29/26 13:48

Client Sample ID: L604219-05 FIELD BLANK

Lab Sample ID: 240-248870-5

Date Collected: 04/21/26 09:50

Matrix: Water

Date Received: 04/23/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2320 B-2021		1	699886	PQD2	EET CLE	04/29/26 14:09
Total/NA	Analysis	2540 C-2020		1	699454	C5SV	EET CLE	04/27/26 10:26
Total/NA	Analysis	2540D-2020		1	699471	C5SV	EET CLE	04/27/26 11:15

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

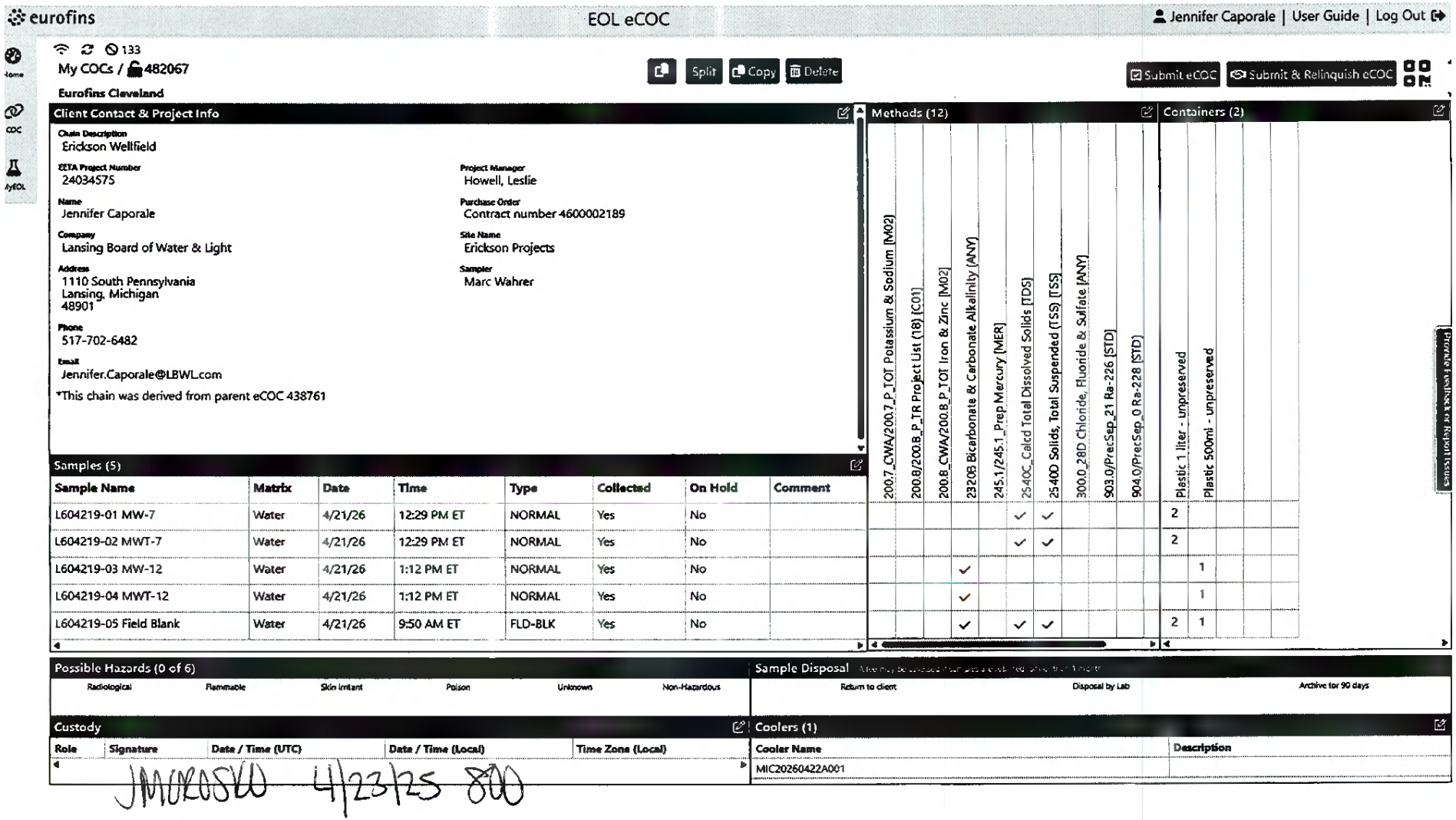
Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-248870-1

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-27



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My COCs / 482067

Split | Copy | Delete | Submit eCOC | Submit & Relinquish eCOC

Eurofins Cleveland

Client Contact & Project Info

Chain Description: Erickson Wellfield

EETA Project Number: 24034575

Name: Jennifer Caporale

Company: Lansing Board of Water & Light

Address: 1110 South Pennsylvania, Lansing, Michigan 48901

Phone: 517-702-6482

Email: Jennifer.Caporale@LBWL.com

*This chain was derived from parent eCOC 438761

Project Manager: Howell, Leslie

Purchase Order: Contract number 4600002189

Site Name: Erickson Projects

Sampler: Marc Wahrer

Samples (5)

Sample Name	Matrix	Date	Time	Type	Collected	On Hold	Comment
L604219-01 MW-7	Water	4/21/26	12:29 PM ET	NORMAL	Yes	No	
L604219-02 MWT-7	Water	4/21/26	12:29 PM ET	NORMAL	Yes	No	
L604219-03 MW-12	Water	4/21/26	1:12 PM ET	NORMAL	Yes	No	
L604219-04 MWT-12	Water	4/21/26	1:12 PM ET	NORMAL	Yes	No	
L604219-05 Field Blank	Water	4/21/26	9:50 AM ET	FLD-BLK	Yes	No	

Methods (12)

200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]
200.8/200.8_P_TR Project List (18) [C01]
200.8_CWA/200.8_P_TOT Iron & Zinc [M02]
2320B Bicarbonate & Carbonate Alkalinity [ANY]
245.1/245.1_Prep Mercury [MER]
2540C_Calcd Total Dissolved Solids [TDS]
2540D Solids, Total Suspended (TSS) [TSS]
300.0_28D Chloride, Fluoride & Sulfate [ANY]
903.0/PrecSep_21 Ra-226 [STD]
904.0/PrecSep_0 Ra-228 [STD]

	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	200.8/200.8_P_TR Project List (18) [C01]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	245.1/245.1_Prep Mercury [MER]	2540C_Calcd Total Dissolved Solids [TDS]	2540D Solids, Total Suspended (TSS) [TSS]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	903.0/PrecSep_21 Ra-226 [STD]	904.0/PrecSep_0 Ra-228 [STD]
L604219-01 MW-7						✓	✓			
L604219-02 MWT-7						✓	✓			
L604219-03 MW-12				✓						
L604219-04 MWT-12				✓						
L604219-05 Field Blank				✓		✓	✓			

Containers (2)

	Plastic 1 liter - unpreserved	Plastic 500ml - unpreserved
L604219-01 MW-7	2	
L604219-02 MWT-7	2	
L604219-03 MW-12		1
L604219-04 MWT-12		1
L604219-05 Field Blank	2	1

Provide feedback or Report Issues

Possible Hazards (0 of 6)

Radiological | Flammable | Skin Irritant | Poison | Unknown | Non-Hazardous

Sample Disposal

Return to client | Disposal by Lab | Archive for 90 days

Custody

Role	Signature	Date / Time (UTC)	Date / Time (Local)	Time Zone (Local)
	JMOROSKO	4/23/25 800		

Coolers (1)

Cooler Name	Description
MIC20260422A001	

240-248870 COC

Eurofins – Cleveland Sample Receipt Form/Narrative Login # : _____
Barberton Facility

Client Lansing Board of Water & Light Site Name _____ Cooler unpacked by:

Cooler Received on 4/23/26 Opened on 4/23/26

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 01 (CF +0.2 °C) Observed Cooler Temp. 2.0 °C Corrected Cooler Temp. 2.2 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place? JM 4.25	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC574455
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:

Labels Verified by:

Using COC provided by PM 4.25

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

4/25/2026

Login Container Summary Report

240-248870

4/29/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L604219-01 MW-7	240-248870-A-1	Plastic 1 liter - unpreserved				
L604219-01 MW-7	240-248870-B-1	Plastic 1 liter - unpreserved				
L604219-02 MWT-7	240-248870-A-2	Plastic 1 liter - unpreserved				
L604219-02 MWT-7	240-248870-B-2	Plastic 1 liter - unpreserved				
L604219-03 MW-12	240-248870-A-3	Plastic 500ml - unpreserved				
L604219-04-MWT-12	240-248870-A-4					
L604219-05 FIELD BLANK	240-248870-A-5	Plastic 500ml - unpreserved				
L604219-05 FIELD BLANK	240-248870-B-5	Plastic 1 liter - unpreserved				
L604219-05 FIELD BLANK	240-248870-C-5	Plastic 1 liter - unpreserved				

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

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JOB DESCRIPTION

Erickson Projects

JOB NUMBER

240-249249-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

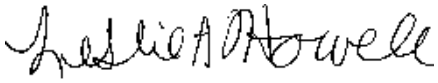
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Leslie Howell, Project Manager I
Leslie.Howell@et.eurofinsus.com
(330)966-9266

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Definitions/Glossary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-249249-1 — Eurofins Cleveland

Job Narrative
240-249249-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/30/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET SEA
200.8-1994 R5.4	Metals (ICP/MS)	EPA	EET CLE
2340B-2021	Total Hardenss	SM	EET CLE
245.1-1994 R3.0	Mercury (CVAA)	EPA	EET CLE
2320 B-2021	Alkalinity	SM	EET CLE
2540 C-2020	Solids, Total Dissolved (TDS)	SM	EET CLE
2540D-2020	Solids, Total Suspended (TSS)	SM	EET CLE
300.0-1993 R2.1	Anions, Ion Chromatography	EPA	EET CLE
200.8	Preparation, Total Metals	EPA	EET SEA
200.8-1994 R5.4	Preparation, Total Recoverable Metals	EPA	EET CLE
245.1-1994 R3.0	Preparation, Mercury	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-249249-1	L604235-01 MW-7D	Water	04/28/26 11:23	04/30/26 08:00	Michigan
240-249249-2	L604235-02 MWT-7D	Water	04/28/26 11:23	04/30/26 08:00	Michigan
240-249249-3	L604235-03 Field Blank	Water	04/28/26 10:30	04/30/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-1

Client Sample ID: L604235-01 MW-7D — Lab Sample ID: 240-249249-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.024		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1400		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	65		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	23		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.049		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Sodium	13		1.0	0.88	mg/L	1		200.8-1994 R5.4	Total Recoverable
Potassium	8.7		3.3	0.22	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.19		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	260		6.6	6.6	mg/L	1		2340B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	320		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	280		10	7.8	mg/L	1		2540 C-2020	Total/NA
Chloride	0.76	J	1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.29		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	1.0		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L604235-02 MWT-7D — Lab Sample ID: 240-249249-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.024		0.0050	0.00077	mg/L	1		200.8-1994 R5.4	Total Recoverable
Boron	1400		200	160	ug/L	10		200.8-1994 R5.4	Total Recoverable
Calcium	68		1.0	0.25	mg/L	1		200.8-1994 R5.4	Total Recoverable
Magnesium	23		1.0	0.061	mg/L	1		200.8-1994 R5.4	Total Recoverable
Lithium	0.041		0.0080	0.0034	mg/L	1		200.8-1994 R5.4	Total Recoverable
Sodium	14		1.0	0.88	mg/L	1		200.8-1994 R5.4	Total Recoverable
Potassium	9.0		3.3	0.22	mg/L	1		200.8-1994 R5.4	Total Recoverable
Iron	0.19		0.10	0.013	mg/L	1		200.8	Total/NA
Hardness as calcium carbonate	270		6.6	6.6	mg/L	1		2340B-2021	Total Recoverable
Bicarbonate Alkalinity as CaCO3	320		5.0	2.6	mg/L	1		2320 B-2021	Total/NA
Total Dissolved Solids	250		10	7.8	mg/L	1		2540 C-2020	Total/NA
Chloride	0.76	J	1.0	0.13	mg/L	1		300.0-1993 R2.1	Total/NA
Fluoride	0.28		0.050	0.024	mg/L	1		300.0-1993 R2.1	Total/NA
Sulfate	1.0		1.0	0.35	mg/L	1		300.0-1993 R2.1	Total/NA

Client Sample ID: L604235-03 Field Blank — Lab Sample ID: 240-249249-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: L604235-01 MW-7D
Date Collected: 04/28/26 11:23
Date Received: 04/30/26 08:00

Lab Sample ID: 240-249249-1
Matrix: Water

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		04/30/26 13:31	05/01/26 16:36	1
Arsenic	ND		0.0050	0.00075	mg/L		04/30/26 13:31	05/01/26 16:36	1
Barium	**0.024**		0.0050	0.00077	mg/L		04/30/26 13:31	05/01/26 16:36	1
Beryllium	ND		0.0010	0.00027	mg/L		04/30/26 13:31	05/01/26 16:36	1
Cadmium	ND		0.0010	0.000077	mg/L		04/30/26 13:31	05/01/26 16:36	1
Cobalt	ND		0.0010	0.000086	mg/L		04/30/26 13:31	05/01/26 16:36	1
Chromium	ND		0.0050	0.0012	mg/L		04/30/26 13:31	05/01/26 16:36	1
Copper	ND		0.0020	0.0017	mg/L		04/30/26 13:31	05/01/26 16:36	1
Molybdenum	ND		0.0050	0.0011	mg/L		04/30/26 13:31	05/01/26 16:36	1
Nickel	ND		0.0020	0.0015	mg/L		04/30/26 13:31	05/01/26 16:36	1
Lead	ND		0.0010	0.00045	mg/L		04/30/26 13:31	05/01/26 16:36	1
Antimony	ND		0.0020	0.00057	mg/L		04/30/26 13:31	05/01/26 16:36	1
Selenium	ND		0.0050	0.00089	mg/L		04/30/26 13:31	05/01/26 16:36	1
Thallium	ND		0.0010	0.00051	mg/L		04/30/26 13:31	05/01/26 16:36	1
Vanadium	ND		0.0050	0.00082	mg/L		04/30/26 13:31	05/01/26 16:36	1
Boron	**1400**		200	160	ug/L		04/30/26 13:31	05/04/26 13:08	10
Calcium	**65**		1.0	0.25	mg/L		04/30/26 13:31	05/01/26 16:36	1
Magnesium	**23**		1.0	0.061	mg/L		04/30/26 13:31	05/01/26 16:36	1
Lithium	**0.049**		0.0080	0.0034	mg/L		04/30/26 13:31	05/01/26 16:36	1
Sodium	**13**		1.0	0.88	mg/L		04/30/26 13:31	05/01/26 16:36	1
Potassium	**8.7**		3.3	0.22	mg/L		04/30/26 13:31	05/01/26 16:36	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.19**		0.10	0.013	mg/L		05/11/26 14:08	05/12/26 13:34	1
Zinc	ND		0.0070	0.0034	mg/L		05/11/26 14:08	05/12/26 13:34	1

Method: SM 2340B-2021 - Total Hardenss - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**260**		6.6	6.6	mg/L			05/06/26 10:52	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		04/30/26 14:00	05/01/26 12:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**320**		5.0	2.6	mg/L			05/04/26 19:40	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			05/04/26 19:40	1
Total Dissolved Solids (SM 2540 C-2020)	**280**		10	7.8	mg/L			05/01/26 08:00	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			05/01/26 11:06	1
Chloride (EPA 300.0-1993 R2.1)	**0.76**	**J**	1.0	0.13	mg/L			05/06/26 17:23	1
Fluoride (EPA 300.0-1993 R2.1)	**0.29**		0.050	0.024	mg/L			05/06/26 17:23	1
Sulfate (EPA 300.0-1993 R2.1)	**1.0**		1.0	0.35	mg/L			05/06/26 17:23	1

Client Sample ID: L604235-02 MWT-7D
Date Collected: 04/28/26 11:23
Date Received: 04/30/26 08:00

Lab Sample ID: 240-249249-2
Matrix: Water

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		04/30/26 13:31	05/01/26 16:38	1
Arsenic	ND		0.0050	0.00075	mg/L		04/30/26 13:31	05/01/26 16:38	1
Barium	**0.024**		0.0050	0.00077	mg/L		04/30/26 13:31	05/01/26 16:38	1
Beryllium	ND		0.0010	0.00027	mg/L		04/30/26 13:31	05/01/26 16:38	1
Cadmium	ND		0.0010	0.000077	mg/L		04/30/26 13:31	05/01/26 16:38	1
Cobalt	ND		0.0010	0.000086	mg/L		04/30/26 13:31	05/01/26 16:38	1
Chromium	ND		0.0050	0.0012	mg/L		04/30/26 13:31	05/01/26 16:38	1
Copper	ND		0.0020	0.0017	mg/L		04/30/26 13:31	05/01/26 16:38	1
Molybdenum	ND		0.0050	0.0011	mg/L		04/30/26 13:31	05/01/26 16:38	1
Nickel	ND		0.0020	0.0015	mg/L		04/30/26 13:31	05/01/26 16:38	1
Lead	ND		0.0010	0.00045	mg/L		04/30/26 13:31	05/01/26 16:38	1
Antimony	ND		0.0020	0.00057	mg/L		04/30/26 13:31	05/01/26 16:38	1
Selenium	ND		0.0050	0.00089	mg/L		04/30/26 13:31	05/01/26 16:38	1
Thallium	ND		0.0010	0.00051	mg/L		04/30/26 13:31	05/01/26 16:38	1
Vanadium	ND		0.0050	0.00082	mg/L		04/30/26 13:31	05/01/26 16:38	1
Boron	**1400**		200	160	ug/L		04/30/26 13:31	05/04/26 13:11	10
Calcium	**68**		1.0	0.25	mg/L		04/30/26 13:31	05/01/26 16:38	1
Magnesium	**23**		1.0	0.061	mg/L		04/30/26 13:31	05/01/26 16:38	1
Lithium	**0.041**		0.0080	0.0034	mg/L		04/30/26 13:31	05/01/26 16:38	1
Sodium	**14**		1.0	0.88	mg/L		04/30/26 13:31	05/01/26 16:38	1
Potassium	**9.0**		3.3	0.22	mg/L		04/30/26 13:31	05/01/26 16:38	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.19**		0.10	0.013	mg/L		05/11/26 14:08	05/12/26 13:36	1
Zinc	ND		0.0070	0.0034	mg/L		05/11/26 14:08	05/12/26 13:36	1

Method: SM 2340B-2021 - Total Hardenss - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**270**		6.6	6.6	mg/L			05/06/26 10:52	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		04/30/26 14:00	05/01/26 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	**320**		5.0	2.6	mg/L			05/04/26 19:50	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			05/04/26 19:50	1
Total Dissolved Solids (SM 2540 C-2020)	**250**		10	7.8	mg/L			05/01/26 08:00	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			05/01/26 11:06	1
Chloride (EPA 300.0-1993 R2.1)	**0.76**	**J**	1.0	0.13	mg/L			05/06/26 17:42	1
Fluoride (EPA 300.0-1993 R2.1)	**0.28**		0.050	0.024	mg/L			05/06/26 17:42	1
Sulfate (EPA 300.0-1993 R2.1)	**1.0**		1.0	0.35	mg/L			05/06/26 17:42	1

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-1

Client Sample ID: L604235-03 Field Blank

Date Collected: 04/28/26 10:30
Date Received: 04/30/26 08:00

Lab Sample ID: 240-249249-3

Matrix: Water

Method: EPA 200.8-1994 R5.4 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		04/30/26 13:31	05/01/26 16:41	1
Arsenic	ND		0.0050	0.00075	mg/L		04/30/26 13:31	05/01/26 16:41	1
Barium	ND		0.0050	0.00077	mg/L		04/30/26 13:31	05/01/26 16:41	1
Beryllium	ND		0.0010	0.00027	mg/L		04/30/26 13:31	05/01/26 16:41	1
Cadmium	ND		0.0010	0.000077	mg/L		04/30/26 13:31	05/01/26 16:41	1
Cobalt	ND		0.0010	0.000086	mg/L		04/30/26 13:31	05/01/26 16:41	1
Chromium	ND		0.0050	0.0012	mg/L		04/30/26 13:31	05/01/26 16:41	1
Copper	ND		0.0020	0.0017	mg/L		04/30/26 13:31	05/01/26 16:41	1
Molybdenum	ND		0.0050	0.0011	mg/L		04/30/26 13:31	05/01/26 16:41	1
Nickel	ND		0.0020	0.0015	mg/L		04/30/26 13:31	05/01/26 16:41	1
Lead	ND		0.0010	0.00045	mg/L		04/30/26 13:31	05/01/26 16:41	1
Antimony	ND		0.0020	0.00057	mg/L		04/30/26 13:31	05/01/26 16:41	1
Selenium	ND		0.0050	0.00089	mg/L		04/30/26 13:31	05/01/26 16:41	1
Thallium	ND		0.0010	0.00051	mg/L		04/30/26 13:31	05/01/26 16:41	1
Vanadium	ND		0.0050	0.00082	mg/L		04/30/26 13:31	05/01/26 16:41	1
Boron	ND		20	16	ug/L		04/30/26 13:31	05/04/26 13:14	1
Calcium	ND		1.0	0.25	mg/L		04/30/26 13:31	05/01/26 16:41	1
Magnesium	ND		1.0	0.061	mg/L		04/30/26 13:31	05/01/26 16:41	1
Lithium	ND		0.0080	0.0034	mg/L		04/30/26 13:31	05/01/26 16:41	1
Sodium	ND		1.0	0.88	mg/L		04/30/26 13:31	05/01/26 16:41	1
Potassium	ND		3.3	0.22	mg/L		04/30/26 13:31	05/01/26 16:41	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		05/11/26 14:08	05/12/26 13:39	1
Zinc	ND		0.0070	0.0034	mg/L		05/11/26 14:08	05/12/26 13:39	1

Method: SM 2340B-2021 - Total Hardenss - Total Recoverable

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		6.6	6.6	mg/L			05/06/26 10:52	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		04/30/26 14:00	05/01/26 12:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			05/04/26 19:58	1
Carbonate Alkalinity as CaCO3 (SM 2320 B-2021)	ND		5.0	2.6	mg/L			05/04/26 19:58	1
Total Dissolved Solids (SM 2540 C-2020)	ND		10	7.8	mg/L			05/01/26 08:00	1
Total Suspended Solids (SM 2540D-2020)	ND		4.0	0.40	mg/L			05/01/26 11:06	1
Chloride (EPA 300.0-1993 R2.1)	ND		1.0	0.13	mg/L			05/06/26 18:00	1
Fluoride (EPA 300.0-1993 R2.1)	ND		0.050	0.024	mg/L			05/06/26 18:00	1
Sulfate (EPA 300.0-1993 R2.1)	ND		1.0	0.35	mg/L			05/06/26 18:00	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 580-519833/1-A
Matrix: Water
Analysis Batch: 519988

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.10	0.013	mg/L		05/11/26 14:08	05/12/26 12:59	1
Zinc	ND		0.0070	0.0034	mg/L		05/11/26 14:08	05/12/26 12:59	1

Lab Sample ID: LCS 580-519833/2-A
Matrix: Water
Analysis Batch: 519988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 519833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	20.0	19.4		mg/L		97	85 - 115
Zinc	1.00	1.00		mg/L		100	85 - 115

Method: 200.8-1994 R5.4 - Metals (ICP/MS)

Lab Sample ID: MB 240-699996/1-A
Matrix: Water
Analysis Batch: 700284

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 699996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.000053	mg/L		04/30/26 14:00	05/01/26 14:17	1
Arsenic	ND		0.0050	0.00075	mg/L		04/30/26 14:00	05/01/26 14:17	1
Barium	ND		0.0050	0.00077	mg/L		04/30/26 14:00	05/01/26 14:17	1
Beryllium	ND		0.0010	0.00027	mg/L		04/30/26 14:00	05/01/26 14:17	1
Cadmium	ND		0.0010	0.000077	mg/L		04/30/26 14:00	05/01/26 14:17	1
Cobalt	ND		0.0010	0.000086	mg/L		04/30/26 14:00	05/01/26 14:17	1
Chromium	ND		0.0050	0.0012	mg/L		04/30/26 14:00	05/01/26 14:17	1
Copper	ND		0.0020	0.0017	mg/L		04/30/26 14:00	05/01/26 14:17	1
Molybdenum	ND		0.0050	0.0011	mg/L		04/30/26 14:00	05/01/26 14:17	1
Nickel	ND		0.0020	0.0015	mg/L		04/30/26 14:00	05/01/26 14:17	1
Lead	ND		0.0010	0.00045	mg/L		04/30/26 14:00	05/01/26 14:17	1
Antimony	ND		0.0020	0.00057	mg/L		04/30/26 14:00	05/01/26 14:17	1
Selenium	ND		0.0050	0.00089	mg/L		04/30/26 14:00	05/01/26 14:17	1
Thallium	ND		0.0010	0.00051	mg/L		04/30/26 14:00	05/01/26 14:17	1
Vanadium	ND		0.0050	0.00082	mg/L		04/30/26 14:00	05/01/26 14:17	1
Boron	ND		20	16	ug/L		04/30/26 14:00	05/01/26 14:17	1
Calcium	ND		1.0	0.25	mg/L		04/30/26 14:00	05/01/26 14:17	1
Magnesium	ND		1.0	0.061	mg/L		04/30/26 14:00	05/01/26 14:17	1
Lithium	ND		0.0080	0.0034	mg/L		04/30/26 14:00	05/01/26 14:17	1
Sodium	ND		1.0	0.88	mg/L		04/30/26 14:00	05/01/26 14:17	1
Potassium	ND		3.3	0.22	mg/L		04/30/26 14:00	05/01/26 14:17	1

Lab Sample ID: LCS 240-699996/2-A
Matrix: Water
Analysis Batch: 700284

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 699996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.100	0.0980		mg/L		98	85 - 115
Arsenic	1.00	0.992		mg/L		99	85 - 115
Barium	1.00	0.949		mg/L		95	85 - 115
Beryllium	0.500	0.482		mg/L		96	85 - 115

Method: 200.8-1994 R5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-699996/2-A
Matrix: Water
Analysis Batch: 700284

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 699996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.500	0.466		mg/L		93	85 - 115
Cobalt	0.500	0.483		mg/L		97	85 - 115
Chromium	0.500	0.488		mg/L		98	85 - 115
Copper	0.500	0.480		mg/L		96	85 - 115
Molybdenum	0.500	0.488		mg/L		98	85 - 115
Nickel	0.500	0.481		mg/L		96	85 - 115
Lead	0.500	0.493		mg/L		99	85 - 115
Antimony	0.100	0.0994		mg/L		99	85 - 115
Selenium	1.00	0.966		mg/L		97	85 - 115
Thallium	1.00	1.07		mg/L		107	85 - 115
Vanadium	0.500	0.499		mg/L		100	85 - 115
Boron	100	98.7		ug/L		99	85 - 115
Calcium	25.0	25.0		mg/L		100	85 - 115
Magnesium	25.0	25.3		mg/L		101	85 - 115
Lithium	0.500	0.501		mg/L		100	85 - 115
Sodium	25.0	25.3		mg/L		101	85 - 115
Potassium	25.0	23.6		mg/L		94	85 - 115

Method: 245.1-1994 R3.0 - Mercury (CVAA)

Lab Sample ID: MB 240-699998/1-A
Matrix: Water
Analysis Batch: 700196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		04/30/26 14:00	05/01/26 11:46	1

Lab Sample ID: LCS 240-699998/2-A
Matrix: Water
Analysis Batch: 700196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00499		mg/L		100	85 - 115

Method: 2320 B-2021 - Alkalinity

Lab Sample ID: MB 240-700534/5
Matrix: Water
Analysis Batch: 700534

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			05/04/26 17:32	1
Carbonate Alkalinity as CaCO3	ND		5.0	2.6	mg/L			05/04/26 17:32	1

Method: 2540 C-2020 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-700105/1
Matrix: Water
Analysis Batch: 700105

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	7.8	mg/L			05/01/26 08:00	1

Lab Sample ID: LCS 240-700105/2
Matrix: Water
Analysis Batch: 700105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	614	566		mg/L		92	80 - 120

Method: 2540D-2020 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-700165/1
Matrix: Water
Analysis Batch: 700165

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			05/01/26 11:06	1

Lab Sample ID: LCS 240-700165/2
Matrix: Water
Analysis Batch: 700165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	77.1	69.0		mg/L		89	64 - 120

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 240-700749/3
Matrix: Water
Analysis Batch: 700749

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.13	mg/L			05/06/26 15:14	1
Fluoride	ND		0.050	0.024	mg/L			05/06/26 15:14	1
Sulfate	ND		1.0	0.35	mg/L			05/06/26 15:14	1

Lab Sample ID: LCS 240-700749/4
Matrix: Water
Analysis Batch: 700749

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.5		mg/L		97	90 - 110
Fluoride	2.50	2.41		mg/L		96	90 - 110
Sulfate	50.0	49.5		mg/L		99	90 - 110

Metals

Prep Batch: 519833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total/NA	Water	200.8	
240-249249-2	L604235-02 MWT-7D	Total/NA	Water	200.8	
240-249249-3	L604235-03 Field Blank	Total/NA	Water	200.8	
MB 580-519833/1-A	Method Blank	Total/NA	Water	200.8	
LCS 580-519833/2-A	Lab Control Sample	Total/NA	Water	200.8	

Analysis Batch: 519988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total/NA	Water	200.8	519833
240-249249-2	L604235-02 MWT-7D	Total/NA	Water	200.8	519833
240-249249-3	L604235-03 Field Blank	Total/NA	Water	200.8	519833
MB 580-519833/1-A	Method Blank	Total/NA	Water	200.8	519833
LCS 580-519833/2-A	Lab Control Sample	Total/NA	Water	200.8	519833

Prep Batch: 699996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	
240-249249-2	L604235-02 MWT-7D	Total Recoverable	Water	200.8-1994 R5.4	
240-249249-3	L604235-03 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	
MB 240-699996/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	
LCS 240-699996/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	

Prep Batch: 699998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total/NA	Water	245.1-1994 R3.0	
240-249249-2	L604235-02 MWT-7D	Total/NA	Water	245.1-1994 R3.0	
240-249249-3	L604235-03 Field Blank	Total/NA	Water	245.1-1994 R3.0	
MB 240-699998/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	
LCS 240-699998/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	

Analysis Batch: 700196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total/NA	Water	245.1-1994 R3.0	699998
240-249249-2	L604235-02 MWT-7D	Total/NA	Water	245.1-1994 R3.0	699998
240-249249-3	L604235-03 Field Blank	Total/NA	Water	245.1-1994 R3.0	699998
MB 240-699998/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	699998
LCS 240-699998/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	699998

Analysis Batch: 700284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	699996
240-249249-2	L604235-02 MWT-7D	Total Recoverable	Water	200.8-1994 R5.4	699996
240-249249-3	L604235-03 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	699996
MB 240-699996/1-A	Method Blank	Total Recoverable	Water	200.8-1994 R5.4	699996
LCS 240-699996/2-A	Lab Control Sample	Total Recoverable	Water	200.8-1994 R5.4	699996

Analysis Batch: 700459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total Recoverable	Water	200.8-1994 R5.4	699996
240-249249-2	L604235-02 MWT-7D	Total Recoverable	Water	200.8-1994 R5.4	699996
240-249249-3	L604235-03 Field Blank	Total Recoverable	Water	200.8-1994 R5.4	699996

QC Association Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-1

Metals

Analysis Batch: 700712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total Recoverable	Water	2340B-2021	
240-249249-2	L604235-02 MWT-7D	Total Recoverable	Water	2340B-2021	
240-249249-3	L604235-03 Field Blank	Total Recoverable	Water	2340B-2021	

General Chemistry

Analysis Batch: 700105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total/NA	Water	2540 C-2020	
240-249249-2	L604235-02 MWT-7D	Total/NA	Water	2540 C-2020	
240-249249-3	L604235-03 Field Blank	Total/NA	Water	2540 C-2020	
MB 240-700105/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-700105/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 700165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total/NA	Water	2540D-2020	
240-249249-2	L604235-02 MWT-7D	Total/NA	Water	2540D-2020	
240-249249-3	L604235-03 Field Blank	Total/NA	Water	2540D-2020	
MB 240-700165/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-700165/2	Lab Control Sample	Total/NA	Water	2540D-2020	

Analysis Batch: 700534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total/NA	Water	2320 B-2021	
240-249249-2	L604235-02 MWT-7D	Total/NA	Water	2320 B-2021	
240-249249-3	L604235-03 Field Blank	Total/NA	Water	2320 B-2021	
MB 240-700534/5	Method Blank	Total/NA	Water	2320 B-2021	

Analysis Batch: 700749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total/NA	Water	300.0-1993 R2.1	
240-249249-2	L604235-02 MWT-7D	Total/NA	Water	300.0-1993 R2.1	
240-249249-3	L604235-03 Field Blank	Total/NA	Water	300.0-1993 R2.1	
MB 240-700749/3	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 240-700749/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-1

Client Sample ID: L604235-01 MW-7D

Lab Sample ID: 240-249249-1

Date Collected: 04/28/26 11:23
Date Received: 04/30/26 08:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			519833	J1H	EET SEA	05/11/26 14:08
Total/NA	Analysis	200.8		1	519988	JL	EET SEA	05/12/26 13:34
Total Recoverable	Prep	200.8-1994 R5.4			699996	MN7X	EET CLE	04/30/26 13:31
Total Recoverable	Analysis	200.8-1994 R5.4		10	700459	KLC	EET CLE	05/04/26 13:08
Total Recoverable	Prep	200.8-1994 R5.4			699996	MN7X	EET CLE	04/30/26 13:31
Total Recoverable	Analysis	200.8-1994 R5.4		1	700284	S4FJ	EET CLE	05/01/26 16:36
Total Recoverable	Analysis	2340B-2021		1	700712	KLC	EET CLE	05/06/26 10:52
Total/NA	Prep	245.1-1994 R3.0			699998	MN7X	EET CLE	04/30/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	700196	TQ6W	EET CLE	05/01/26 12:03
Total/NA	Analysis	2320 B-2021		1	700534	PQD2	EET CLE	05/04/26 19:40
Total/NA	Analysis	2540 C-2020		1	700105	TAV2	EET CLE	05/01/26 08:00
Total/NA	Analysis	2540D-2020		1	700165	PQD2	EET CLE	05/01/26 11:06
Total/NA	Analysis	300.0-1993 R2.1		1	700749	AAP	EET CLE	05/06/26 17:23

Client Sample ID: L604235-02 MWT-7D

Lab Sample ID: 240-249249-2

Date Collected: 04/28/26 11:23
Date Received: 04/30/26 08:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			519833	J1H	EET SEA	05/11/26 14:08
Total/NA	Analysis	200.8		1	519988	JL	EET SEA	05/12/26 13:36
Total Recoverable	Prep	200.8-1994 R5.4			699996	MN7X	EET CLE	04/30/26 13:31
Total Recoverable	Analysis	200.8-1994 R5.4		10	700459	KLC	EET CLE	05/04/26 13:11
Total Recoverable	Prep	200.8-1994 R5.4			699996	MN7X	EET CLE	04/30/26 13:31
Total Recoverable	Analysis	200.8-1994 R5.4		1	700284	S4FJ	EET CLE	05/01/26 16:38
Total Recoverable	Analysis	2340B-2021		1	700712	KLC	EET CLE	05/06/26 10:52
Total/NA	Prep	245.1-1994 R3.0			699998	MN7X	EET CLE	04/30/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	700196	TQ6W	EET CLE	05/01/26 12:05
Total/NA	Analysis	2320 B-2021		1	700534	PQD2	EET CLE	05/04/26 19:50
Total/NA	Analysis	2540 C-2020		1	700105	TAV2	EET CLE	05/01/26 08:00
Total/NA	Analysis	2540D-2020		1	700165	PQD2	EET CLE	05/01/26 11:06
Total/NA	Analysis	300.0-1993 R2.1		1	700749	AAP	EET CLE	05/06/26 17:42

Client Sample ID: L604235-03 Field Blank

Lab Sample ID: 240-249249-3

Date Collected: 04/28/26 10:30
Date Received: 04/30/26 08:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			519833	J1H	EET SEA	05/11/26 14:08
Total/NA	Analysis	200.8		1	519988	JL	EET SEA	05/12/26 13:39
Total Recoverable	Prep	200.8-1994 R5.4			699996	MN7X	EET CLE	04/30/26 13:31
Total Recoverable	Analysis	200.8-1994 R5.4		1	700459	KLC	EET CLE	05/04/26 13:14
Total Recoverable	Prep	200.8-1994 R5.4			699996	MN7X	EET CLE	04/30/26 13:31
Total Recoverable	Analysis	200.8-1994 R5.4		1	700284	S4FJ	EET CLE	05/01/26 16:41

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-1

Client Sample ID: L604235-03 Field Blank

Lab Sample ID: 240-249249-3

Date Collected: 04/28/26 10:30

Matrix: Water

Date Received: 04/30/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Analysis	2340B-2021		1	700712	KLC	EET CLE	05/06/26 10:52
Total/NA	Prep	245.1-1994 R3.0			699998	MN7X	EET CLE	04/30/26 14:00
Total/NA	Analysis	245.1-1994 R3.0		1	700196	TQ6W	EET CLE	05/01/26 12:06
Total/NA	Analysis	2320 B-2021		1	700534	PQD2	EET CLE	05/04/26 19:58
Total/NA	Analysis	2540 C-2020		1	700105	TAV2	EET CLE	05/01/26 08:00
Total/NA	Analysis	2540D-2020		1	700165	PQD2	EET CLE	05/01/26 11:06
Total/NA	Analysis	300.0-1993 R2.1		1	700749	AAP	EET CLE	05/06/26 18:00

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-1

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4062	02-27-27

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-27-27
Arizona	State	AZ0854	01-13-27
California	State	2954	07-07-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	06-30-26
Maine	State	WA01273	05-02-28
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	04-01-27
Oregon	NELAP	4167	07-07-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-23-4-22573	01-24-28
Washington	State	C788	07-13-26
Wisconsin	State	399133460	08-31-26

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name: Jennifer Caporale

Address : 1110 South Pennsylvania

Address 2:

City, State Zip: Lansing, Michigan 48901

Phone: 517-702-6482

Email: Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company: Lansing Board of Water & Light

Purchase Order: Contract number 4600002189

Work Order:

Requested TAT:

Project Number: 24034575

Sample State: MI

Special Instructions:

Project Manager: Howell, Leslie

Project Reference:

Sampler: Marc Wahrer

Description: Erickson Wellfield

Site Name: Erickson Projects

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	Ra226_228GFPC_P Combined Ra226&228 [160]	904.0/PrecSep_0 Ra-228 [STD]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2540C_Calcd Total Dissolved Solids [TDS]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	245.1/245.1_Prep Mercury [MER]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	200.8/200.8_P_TR Project List (18) [C01]	2540D Solids, Total Suspended (TSS) [TSS]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]			Plastic 60 mL - unpreserved	Plastic 500ml - unpreserved	Plastic 250ml - with Nitric Acid	Plastic 500ml - with Nitric Acid	Plastic 1 liter - Nitric Acid	Plastic 1 liter - unpreserved	Total Bottles For Sample
1	L604235-01 MW-7D	Grab	Water	04/28/26 11:23				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	2	1	8
2	L604235-02 MWT-7D	Grab	Water	04/28/26 11:23				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	2	1	8
3	L604235-03 Field Blank	Grab	Water	04/28/26 10:30				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	2	1	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) **:** Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished To:	Date/Time:
		Cleveland - Waypoint courier	
Jennifer Caporale	04/29/26 09:30	Jennifer Caporale	04/29/26 09:30

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260429A001								

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name: Jennifer Caporale

Address : 1110 South Pennsylvania

Address 2:

City, State Zip: Lansing, Michigan 48901

Phone: 517-702-6482

Email: Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company: Lansing Board of Water & Light

Purchase Order: Contract number 4600002189

Work Order:

Requested TAT:

Project Number: 24034575

Sample State: MI

Special Instructions:

Project Manager: Howell, Leslie

Project Reference:

Sampler: Marc Wahrer

Description: Erickson Wellfield

Site Name: Erickson Projects

240-249249 COC

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	Ra226_228GFPC_P Combined Ra226&228 [160]	904.0/PrecSep_0 Ra-228 [STD]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2540C_Calcd Total Dissolved Solids [TDS]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	245.1/245.1_Prep Mercury [MER]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	200.8/200.8_P_TR Project List (18) [C01]	2540D Solids, Total Suspended (TSS) [TSS]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]			Plastic 60 mL - unpreserved	Plastic 500ml - unpreserved	Plastic 250ml - with Nitric Acid	Plastic 500ml - with Nitric Acid	Plastic 1 liter - Nitric Acid	Plastic 1 liter - unpreserved	Total Bottles For Sample
1	L604235-01 MW-7D	Grab	Water	04/28/26 11:23				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	2	1	8
[redacted]																										2	1	8
3	L604235-03 Field Blank	Grab	Water	04/28/26 10:30				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	2	1	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished To:	Date/Time:	
Jennifer Caporale	04/29/26 09:30	Cleveland - Waypoint courier Jennifer Caporale	04/29/26 09:30	Received by: JMOROSKO 4/30/26 0800

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260429A001								

Chain of Custody Number: 483925

*H – Analysis on hold.

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client LB Wtr Site Name _____ Cooler unpacked by: BS
Cooler Received on 4/30/26 Opened on 4/30/26
FedEx. 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other _____

Receipt After-hours. Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # ec Foam Box Client Cooler Box Other _____
Packing material used Bubble Wrap Foam (Plastic Bag) None Other _____
COOLANT (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
IR GUN # 1 (CF +0.2°C) Observed Cooler Temp 2.0 °C Corrected Cooler Temp 2.2 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No	**Tests that are not checked for pH by Receiving:** VOAs Oil and Grease TOC
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA	
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)	
-Were tamper/custody seals intact and uncompromised?	(Yes) No (NA)	
3 Shippers' packing slip attached to the cooler(s)?	(Yes) No	
4 Did custody papers accompany the sample(s)?	(Yes) No	BS 4/30
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes) No	
6 Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No	
7 Did all bottles arrive in good condition (Unbroken)?	(Yes) No	
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No	
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y) (Y) (Y)	
10 Were correct bottle(s) used for the test(s) indicated?	(Yes) No	JM 4.30
11 Sufficient quantity received to perform indicated analyses?	(Yes) No	
12. Are these work share samples and all listed on the COC?	Yes (No)	
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA	pH Strip Lot# HC574455
14 Were VOAs on the COC?	Yes (No)	
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No (NA)	
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes (No)	
17 Was a LL Hg or Me Hg trip blank present? _____	Yes (No)	

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:
Labels Verified by:

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired
Sample(s) _____ were received in a broken container
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory
Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

4/30/2026

Login Container Summary Report

240-249249

5/13/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L604235-01 MW-7D	240-249249-A-1	Plastic 60 mL - unpreserved				
L604235-01 MW-7D	240-249249-B-1	Plastic 60 mL - unpreserved				
L604235-01 MW-7D	240-249249-C-1	Plastic 500ml - unpreserved				
L604235-01 MW-7D	240-249249-D-1	Plastic 250ml - with Nitric Acid	<2			
L604235-01 MW-7D	240-249249-E-1	Plastic 500ml - with Nitric Acid	<2			
L604235-01 MW-7D	240-249249-F-1	Plastic 1 liter - Nitric Acid	<2			
L604235-01 MW-7D	240-249249-G-1	Plastic 1 liter - Nitric Acid	<2			
L604235-01 MW-7D	240-249249-H-1	Plastic 1 liter - unpreserved				
L604235-02 MWT-7D	240-249249-A-2	Plastic 60 mL - unpreserved				
L604235-02 MWT-7D	240-249249-B-2	Plastic 60 mL - unpreserved				
L604235-02 MWT-7D	240-249249-C-2	Plastic 500ml - unpreserved				
L604235-02 MWT-7D	240-249249-D-2	Plastic 250ml - with Nitric Acid	<2			
L604235-02 MWT-7D	240-249249-E-2	Plastic 500ml - with Nitric Acid	<2			
L604235-02 MWT-7D	240-249249-F-2	Plastic 1 liter - Nitric Acid	<2			
L604235-02 MWT-7D	240-249249-G-2	Plastic 1 liter - Nitric Acid	<2			
L604235-02 MWT-7D	240-249249-H-2	Plastic 1 liter - unpreserved				
L604235-03 Field Blank	240-249249-A-3	Plastic 60 mL - unpreserved				
L604235-03 Field Blank	240-249249-B-3	Plastic 60 mL - unpreserved				
L604235-03 Field Blank	240-249249-C-3	Plastic 500ml - unpreserved				
L604235-03 Field Blank	240-249249-D-3	Plastic 250ml - with Nitric Acid	<2			
L604235-03 Field Blank	240-249249-E-3	Plastic 500ml - with Nitric Acid	<2			
L604235-03 Field Blank	240-249249-F-3	Plastic 1 liter - Nitric Acid	<2			
L604235-03 Field Blank	240-249249-G-3	Plastic 1 liter - Nitric Acid	<2			
L604235-03 Field Blank	240-249249-H-3	Plastic 1 liter - unpreserved				

...9396 Fax: 330-497-0772

Chain of Custody Record

Client Information (Sub Contract Lab)

Client Contact: Shipping/Receiving
Company: TestAmerica Laboratories, Inc.
Address: 13715 Rider Trail North, ,
City: Earth City
State, Zip: MO, 63045
Phone: 314-298-8566(Tel) 314-298-8757(Fax)
Email: N/A
Project Name: Erickson Projects
Site: N/A

Sampler: N/A
Phone: N/A
Due Date Requested: 5/13/2026
TAT Requested (days): N/A
PO #: N/A
WO #: N/A
Project #: 24034575
SSOW#: N/A

Lab PM: Howell, Leslie
E-Mail: Leslie.Howell@et.eurofinsus.com
Accreditations Required (See note): NELAP - Oregon
Carrier Tracking No(s): N/A
State of Origin: Michigan
COC No: 240-217993.1
Page: Page 1 of 1
Job #: 240-249249-1
Preservation Codes: -

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	904.0/PrecSep_0Standard Target List	Ra226_228GFPC_P	903.0/PrecSep_21Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
L604235-01 MW-7D (240-249249-1)	4/28/26	11:23 Eastern	G	Water			X	X	X	2	
L604235-02 MWT-7D (240-249249-2)	4/28/26	11:23 Eastern	G	Water			X	X	X	2	
L604235-03 Field Blank (240-249249-3)	4/28/26	10:30 Eastern	G	Water			X	X	X	2	

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:
Relinquished by: CHRIS ROAN Date/Time: 4/30/26 9:00 Company: EC
Relinquished by: Date/Time: Company
Relinquished by: Date/Time: Company

Custody Seals Intact: ☐ Yes ☐ No Custody Seal No.:

Received by:
Received by: Cheyenne Forrest
Received by:

Method of Shipment:
Date/Time: 1010 Company
Date/Time: MAY 01 2026 Company

Page 25 of 26

5/13/2026

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-249249-1

Login Number: 249
List Number: 3
Creator: Miller, Darren R

List Source: Eurofins Seattle
List Creation: 05/01/26 12:33 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Caporale
Lansing Board of Water & Light
1110 South Pennsylvania
Lansing, Michigan 48901

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JOB DESCRIPTION

Erickson Projects

JOB NUMBER

240-249249-2

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

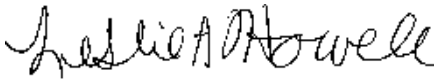
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
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Definitions/Glossary

Client: Lansing Board of Water & Light
Job ID: 240-249249-2
Project/Site: Erickson Projects

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-249249-2 — Eurofins Cleveland

Job Narrative
240-249249-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 4/30/2026 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

Gas Flow Proportional Counter
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-2

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	Lab SOP	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

Lab SOP = Laboratory Standard Operating Procedure

None = None

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-249249-1	L604235-01 MW-7D	Water	04/28/26 11:23	04/30/26 08:00	Michigan
240-249249-2	L604235-02 MWT-7D	Water	04/28/26 11:23	04/30/26 08:00	Michigan
240-249249-3	L604235-03 Field Blank	Water	04/28/26 10:30	04/30/26 08:00	Michigan

Detection Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-2

Client Sample ID: L604235-01 MW-7D — Lab Sample ID: 240-249249-1

No Detections.

Client Sample ID: L604235-02 MWT-7D — Lab Sample ID: 240-249249-2

No Detections.

Client Sample ID: L604235-03 Field Blank — Lab Sample ID: 240-249249-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-2

Client Sample ID: L604235-01 MW-7D

Date Collected: 04/28/26 11:23
Date Received: 04/30/26 08:00

Lab Sample ID: 240-249249-1

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.690		0.196	0.206	1.00	0.179	pCi/L	05/04/26 08:31	05/26/26 08:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*05/04/26 08:31*	*05/26/26 08:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.49		0.481	0.500	1.00	0.583	pCi/L	05/04/26 08:38	05/23/26 09:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*05/04/26 08:38*	*05/23/26 09:49*	*1*
Y Carrier	*80.0*		*30 - 110*	*05/04/26 08:38*	*05/23/26 09:49*	*1*

Method: Lab SOP Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.18		0.519	0.541	5.00	0.583	pCi/L		05/26/26 13:15	1

Client Sample ID: L604235-02 MWT-7D
Date Collected: 04/28/26 11:23
Date Received: 04/30/26 08:00

Lab Sample ID: 240-249249-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.826**		0.205	0.218	1.00	0.157	pCi/L	05/04/26 08:31	05/26/26 08:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.2*		*30 - 110*	*05/04/26 08:31*	*05/26/26 08:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.534	U	0.410	0.413	1.00	0.633	pCi/L	05/04/26 08:38	05/23/26 09:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.2*		*30 - 110*	*05/04/26 08:38*	*05/23/26 09:49*	*1*
Y Carrier	*72.5*		*30 - 110*	*05/04/26 08:38*	*05/23/26 09:49*	*1*

Method: Lab SOP Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.36**		0.458	0.467	5.00	0.633	pCi/L		05/26/26 14:59	1

Client Sample ID: L604235-03 Field Blank

Lab Sample ID: 240-249249-3

Date Collected: 04/28/26 10:30

Matrix: Water

Date Received: 04/30/26 08:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0695	U	0.0822	0.0824	1.00	0.133	pCi/L	05/04/26 08:31	05/26/26 08:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.7*		*30 - 110*	*05/04/26 08:31*	*05/26/26 08:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.395	U	0.362	0.364	1.00	0.574	pCi/L	05/04/26 08:38	05/23/26 09:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.7*		*30 - 110*	*05/04/26 08:38*	*05/23/26 09:49*	*1*
Y Carrier	*77.8*		*30 - 110*	*05/04/26 08:38*	*05/23/26 09:49*	*1*

Method: Lab SOP Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.465	U	0.371	0.373	5.00	0.574	pCi/L		05/26/26 14:59	1

Tracer/Carrier Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
		Ba						
Lab Sample ID	Client Sample ID	(30-110)						
240-249249-1	L604235-01 MW-7D	87.6						
240-249249-1 DU	L604235-01 MW-7D	87.3						
240-249249-2	L604235-02 MWT-7D	88.2						
240-249249-3	L604235-03 Field Blank	84.7						
LCS 160-768894/2-A	Lab Control Sample	83.0						
MB 160-768894/1-A	Method Blank	85.0						

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
		Ba	Y					
Lab Sample ID	Client Sample ID	(30-110)	(30-110)					
240-249249-1	L604235-01 MW-7D	87.6	80.0					
240-249249-1 DU	L604235-01 MW-7D	87.3	80.0					
240-249249-2	L604235-02 MWT-7D	88.2	72.5					
240-249249-3	L604235-03 Field Blank	84.7	77.8					
LCS 160-768895/2-A	Lab Control Sample	83.0	81.5					
MB 160-768895/1-A	Method Blank	85.0	83.0					

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-768894/1-A
Matrix: Water
Analysis Batch: 772846

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 768894

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.06612	U	0.0893	0.0895	1.00	0.150	pCi/L	05/04/26 08:31	05/26/26 08:06	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*05/04/26 08:31*	*05/26/26 08:06*	*1*

Lab Sample ID: LCS 160-768894/2-A
Matrix: Water
Analysis Batch: 772846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 768894

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	10.46		1.18	1.00	0.225	pCi/L	109	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*83.0*		*30 - 110*

Lab Sample ID: 240-249249-1 DU
Matrix: Water
Analysis Batch: 772846

Client Sample ID: L604235-01 MW-7D
Prep Type: Total/NA
Prep Batch: 768894

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.690			0.6233		0.191	1.00	0.153	pCi/L			0.17	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*87.3*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-768895/1-A
Matrix: Water
Analysis Batch: 772677

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 768895

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.6786		0.385	0.391	1.00	0.555	pCi/L	05/04/26 08:38	05/23/26 09:48	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*05/04/26 08:38*	*05/23/26 09:48*	*1*
Y Carrier	*83.0*		*30 - 110*	*05/04/26 08:38*	*05/23/26 09:48*	*1*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-768895/2-A
Matrix: Water
Analysis Batch: 772677

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 768895

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.13	11.15		1.49	1.00	0.650	pCi/L	122	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*83.0*		*30 - 110*
Y Carrier	*81.5*		*30 - 110*

Lab Sample ID: 240-249249-1 DU
Matrix: Water
Analysis Batch: 772677

Client Sample ID: L604235-01 MW-7D
Prep Type: Total/NA
Prep Batch: 768895

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	1.49			1.331		0.481	1.00	0.571	pCi/L			0.16	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*87.3*		*30 - 110*
Y Carrier	*80.0*		*30 - 110*

QC Association Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-2

Rad

Prep Batch: 768894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total/NA	Water	PrecSep-21	
240-249249-2	L604235-02 MWT-7D	Total/NA	Water	PrecSep-21	
240-249249-3	L604235-03 Field Blank	Total/NA	Water	PrecSep-21	
MB 160-768894/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-768894/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
240-249249-1 DU	L604235-01 MW-7D	Total/NA	Water	PrecSep-21	

Prep Batch: 768895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-249249-1	L604235-01 MW-7D	Total/NA	Water	PrecSep_0	
240-249249-2	L604235-02 MWT-7D	Total/NA	Water	PrecSep_0	
240-249249-3	L604235-03 Field Blank	Total/NA	Water	PrecSep_0	
MB 160-768895/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-768895/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
240-249249-1 DU	L604235-01 MW-7D	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-2

Client Sample ID: L604235-01 MW-7D

Lab Sample ID: 240-249249-1

Date Collected: 04/28/26 11:23
Matrix: Water
Date Received: 04/30/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			768894	ASL	EET SL	05/04/26 08:31
Total/NA	Analysis	903.0		1	772846	SWS	EET SL	05/26/26 08:06
Total/NA	Prep	PrecSep_0			768895	ASL	EET SL	05/04/26 08:38
Total/NA	Analysis	904.0		1	772677	SWS	EET SL	05/23/26 09:49
Total/NA	Analysis	Ra226_Ra228 Pos		1	772882	FLC	EET SL	05/26/26 13:15

Client Sample ID: L604235-02 MWT-7D

Lab Sample ID: 240-249249-2

Date Collected: 04/28/26 11:23
Matrix: Water
Date Received: 04/30/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			768894	ASL	EET SL	05/04/26 08:31
Total/NA	Analysis	903.0		1	772846	SWS	EET SL	05/26/26 08:07
Total/NA	Prep	PrecSep_0			768895	ASL	EET SL	05/04/26 08:38
Total/NA	Analysis	904.0		1	772677	SWS	EET SL	05/23/26 09:49
Total/NA	Analysis	Ra226_Ra228 Pos		1	772882	FLC	EET SL	05/26/26 14:59

Client Sample ID: L604235-03 Field Blank

Lab Sample ID: 240-249249-3

Date Collected: 04/28/26 10:30
Matrix: Water
Date Received: 04/30/26 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			768894	ASL	EET SL	05/04/26 08:31
Total/NA	Analysis	903.0		1	772846	SWS	EET SL	05/26/26 08:07
Total/NA	Prep	PrecSep_0			768895	ASL	EET SL	05/04/26 08:38
Total/NA	Analysis	904.0		1	772677	SWS	EET SL	05/23/26 09:49
Total/NA	Analysis	Ra226_Ra228 Pos		1	772882	FLC	EET SL	05/26/26 14:59

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Lansing Board of Water & Light
Project/Site: Erickson Projects

Job ID: 240-249249-2

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-26
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
Georgia (DW)	State	C061	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-26
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-26
Kentucky (DW)	State	KY90125	12-31-26
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-26
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-26
Maine	State	MO00054	03-05-28
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Hampshire	NELAP	2100	02-04-27
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	04-01-27
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-26
Oklahoma	NELAP	9997	12-31-26
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-27
Rhode Island	State	LAO00392	12-30-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
Utah	NELAP	MO00054	07-31-26
Vermont	State	VT 87689	03-20-27
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	10-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ❑ Contains Methods That May Expire Soon: ❑

Client Contact Info

Name:
Jennifer Caporale

Address :
1110 South Pennsylvania

Address 2:

City, State Zip:
Lansing, Michigan 48901

Phone:
517-702-6482

Email:
Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company:
Lansing Board of Water & Light

Purchase Order:
Contract number 4600002189

Work Order:

Requested TAT:

Project Number:
24034575

Sample State: MI

Special Instructions:

Project Manager:
Howell, Leslie

Project Reference:

Sampler:
Marc Wahrer

Description:
Erickson Wellfield

Site Name:
Erickson Projects

Methods and Bottles

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	Ra226_228GFPC_P Combined Ra226&228 [160]	904.0/PrecSep_0 Ra-228 [STD]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2540C_Calcd Total Dissolved Solids [TDS]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	245.1/245.1_Prep Mercury [MER]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	200.8/200.8_P_TR Project List (18) [C01]	2540D Solids, Total Suspended (TSS) [TSS]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]			Plastic 60 mL - unpreserved	Plastic 500ml - unpreserved	Plastic 250ml - with Nitric Acid	Plastic 500ml - with Nitric Acid	Plastic 1 liter - Nitric Acid	Plastic 1 liter - unpreserved	Total Bottles For Sample
1	L604235-01 MW-7D	Grab	Water	04/28/26 11:23				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	2	1	8
2	L604235-02 MWT-7D	Grab	Water	04/28/26 11:23				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	2	1	8
3	L604235-03 Field Blank	Grab	Water	04/28/26 10:30				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	2	1	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) **:** Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished To:	Date/Time:
		Cleveland - Waypoint courier	
Jennifer Caporale	04/29/26 09:30	Jennifer Caporale	04/29/26 09:30

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260429A001								

Chain of Custody

eurofins | Environment Testing

Contains Rush Work: ☐ Contains Methods That May Expire Soon: ☐

Client Contact Info

Name: Jennifer Caporale

Address : 1110 South Pennsylvania

Address 2:

City, State Zip: Lansing, Michigan 48901

Phone: 517-702-6482

Email: Jennifer.Caporale@LBWL.com

Deliverables:

Project Info

Company: Lansing Board of Water & Light

Purchase Order: Contract number 4600002189

Work Order:

Requested TAT:

Project Number: 24034575

Sample State: MI

Special Instructions:

Project Manager: Howell, Leslie

Project Reference:

Sampler: Marc Wahrer

Description: Erickson Wellfield

Site Name: Erickson Projects

240-249249 COC

Samples

#	Sample Name	Type	Matrix	Date/Time (24hr)	MS / MSD	Instructions/Comments	Lat/Long	Ra226_228GFPC_P Combined Ra226&228 [160]	904.0/PrecSep_0 Ra-228 [STD]	SM2340B/Auto_TotalRec Total Hardness (as CaCO3) by calculation [HAR]	2540C_Calcd Total Dissolved Solids [TDS]	300.0_28D Chloride, Fluoride & Sulfate [ANY]	200.8_CWA/200.8_P_TOT Iron & Zinc [M02]	245.1/245.1_Prep Mercury [MER]	200.7_CWA/200.7_P_TOT Potassium & Sodium [M02]	200.8/200.8_P_TR Project List (18) [C01]	2540D Solids, Total Suspended (TSS) [TSS]	2320B Bicarbonate & Carbonate Alkalinity [ANY]	903.0/PrecSep_21 Ra-226 [STD]			Plastic 60 mL - unpreserved	Plastic 500ml - unpreserved	Plastic 250ml - with Nitric Acid	Plastic 500ml - with Nitric Acid	Plastic 1 liter - Nitric Acid	Plastic 1 liter - unpreserved	Total Bottles For Sample
1	L604235-01 MW-7D	Grab	Water	04/28/26 11:23				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	2	1	8
[redacted]																										2	1	8
3	L604235-03 Field Blank	Grab	Water	04/28/26 10:30				X	X	X	X	X	X	X	X	X	X	X	X			2	1	1	1	2	1	8

Possible Hazards : Unknown

Sample Disposal (A fee may be assessed, if samples are retained longer than 1 month) : Disposal by Lab

Custody History (All dates and times have been converted to the Eastern time zone and are in 24 Hr format.)

eCOC Submitted By:	Date/Time:	Samples Relinquished To:	Date/Time:	
Jennifer Caporale	04/29/26 09:30	Cleveland - Waypoint courier Jennifer Caporale	04/29/26 09:30	Received by: JMOROSKO 4/30/26 0800

Coolers

Cooler Name	Cooler Description	QR/Barcode	Uncorrected Cooler Temperature (?C)	Corrected Cooler Temperature	Thermometer ID	Temperature Checked By	Cooler Ice Type	Cooler Packing Type
MIC20260429A001								

Chain of Custody Number: **483925**

*H – Analysis on hold.

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client LB Wtr Site Name _____ Cooler unpacked by: NS
Cooler Received on 4/30/26 Opened on 4/30/26
FedEx. 1st Grd Exp UPS FAS (Waypoint) Client Drop Off Eurofins Courier Other _____

Receipt After-hours. Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # ec Foam Box Client Cooler Box Other _____
Packing material used Bubble Wrap Foam (Plastic Bag) None Other _____
COOLANT (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
IR GUN # 1 (CF +0.2°C) Observed Cooler Temp 2.0 °C Corrected Cooler Temp 2.2 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No	**Tests that are not checked for pH by Receiving:** VOAs Oil and Grease TOC
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA	
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)	
-Were tamper/custody seals intact and uncompromised?	(Yes) No (NA)	
3 Shippers' packing slip attached to the cooler(s)?	(Yes) No	
4 Did custody papers accompany the sample(s)?	(Yes) No NS 4/30	
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes) No	
6 Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No	
7 Did all bottles arrive in good condition (Unbroken)?	(Yes) No	
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No	
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y) (Y) (Y)	
10 Were correct bottle(s) used for the test(s) indicated?	JM 4.30 (Yes) No	
11 Sufficient quantity received to perform indicated analyses?	(Yes) No	
12. Are these work share samples and all listed on the COC?	Yes (No)	
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA	pH Strip Lot# HC574455
14 Were VOAs on the COC?	Yes (No)	
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No (NA)	
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes (No)	
17 Was a LL Hg or Me Hg trip blank present? _____	Yes (No)	

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by:
Labels Verified by:

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired
Sample(s) _____ were received in a broken container
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory
Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

4/30/2026

Login Container Summary Report

240-249249

5/26/2026

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
L604235-01 MW-7D	240-249249-A-1	Plastic 60 mL - unpreserved				
L604235-01 MW-7D	240-249249-B-1	Plastic 60 mL - unpreserved				
L604235-01 MW-7D	240-249249-C-1	Plastic 500ml - unpreserved				
L604235-01 MW-7D	240-249249-D-1	Plastic 250ml - with Nitric Acid	<2			
L604235-01 MW-7D	240-249249-E-1	Plastic 500ml - with Nitric Acid	<2			
L604235-01 MW-7D	240-249249-F-1	Plastic 1 liter - Nitric Acid	<2			
L604235-01 MW-7D	240-249249-G-1	Plastic 1 liter - Nitric Acid	<2			
L604235-01 MW-7D	240-249249-H-1	Plastic 1 liter - unpreserved				
L604235-02 MWT-7D	240-249249-A-2	Plastic 60 mL - unpreserved				
L604235-02 MWT-7D	240-249249-B-2	Plastic 60 mL - unpreserved				
L604235-02 MWT-7D	240-249249-C-2	Plastic 500ml - unpreserved				
L604235-02 MWT-7D	240-249249-D-2	Plastic 250ml - with Nitric Acid	<2			
L604235-02 MWT-7D	240-249249-E-2	Plastic 500ml - with Nitric Acid	<2			
L604235-02 MWT-7D	240-249249-F-2	Plastic 1 liter - Nitric Acid	<2			
L604235-02 MWT-7D	240-249249-G-2	Plastic 1 liter - Nitric Acid	<2			
L604235-02 MWT-7D	240-249249-H-2	Plastic 1 liter - unpreserved				
L604235-03 Field Blank	240-249249-A-3	Plastic 60 mL - unpreserved				
L604235-03 Field Blank	240-249249-B-3	Plastic 60 mL - unpreserved				
L604235-03 Field Blank	240-249249-C-3	Plastic 500ml - unpreserved				
L604235-03 Field Blank	240-249249-D-3	Plastic 250ml - with Nitric Acid	<2			
L604235-03 Field Blank	240-249249-E-3	Plastic 500ml - with Nitric Acid	<2			
L604235-03 Field Blank	240-249249-F-3	Plastic 1 liter - Nitric Acid	<2			
L604235-03 Field Blank	240-249249-G-3	Plastic 1 liter - Nitric Acid	<2			
L604235-03 Field Blank	240-249249-H-3	Plastic 1 liter - unpreserved				

Login Sample Receipt Checklist

Client: Lansing Board of Water & Light

Job Number: 240-249249-2

Login Number: 249
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 05/01/26 12:12 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Data Verification & Validation Report

Lansing Board of Water & Light – Erickson Power Station

Sampling Event (dates and purpose): Background Sampling

Data Package Number: 240-241806-1
240-241806-2

Lab Report Date: 1/28/2026, 2/13/2026

Data Validator: Andrew Byks

Data Validation Completion Date: 2/22/2026

General Overall Assessment:
_____ Data are usable without qualification.
__X__ Data are usable with qualification (as noted below).
_____ Some or all data are unusable (as noted below).

Wells planned for sampling:

Well ID	Planned for Sampling	Well ID	Planned for Sampling
MW-1		MW-17A	
MW-2		MW-17B	
MW-3		MW-17C	
MW-4		MW-17D	
MW-5		MW-17E	
MW-6		MW-18A	
MW-7		MW-18B	
MW-7B		MW-18C	
MW-7C		MW-18D	
MW-7D	X	MW-19A	X
MW-8		MW-19B	X
MW-9		MW-19C	X
MW-10		MW-19D	X
MW-11		MW-100A	
MW-11B		MW-100B	
MW-12		MW-100C	
MW-12B		MW-100D	
MW-13			
MW-14			
MW-15			
MW-16A			
MW-16B			
MW-16C			
MW-16D			

Data Summary

Sample ID	Matrix	Lab ID	Date Collected	App III Metals	App IV Metals	Part 115 Metals	Anions	TDS TSS	Rad-226 Rad-228	Diss. Metals
MW-7D	GW	240-241806-1	1/13/2026	X	X	X	X	X	X	
MW-19A	GW	240-241806-2	1/13/2026	X	X	X	X	X	X	
MW-19B	GW	240-241806-3	1/13/2026	X	X	X	X	X	X	
MW-19C	GW	240-241806-4	1/13/2026	X	X	X	X	X	X	
MW-19D	GW	240-241806-5	1/13/2026	X	X	X	X	X	X	
MWT-19A	GW	240-241806-6	1/13/2026	X	X	X	X	X	X	
FIELD BLANK	GW	240-241806-7	1/13/2026	X	X	X	X	X	X	

Other analytes requested for analysis: Mg, HCO_3, CO_3, hardness

Any planned sampling or analysis NOT completed? If yes, explain:

Data Verification & Validation Checklist

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Field Data							
Sample Collection Field Forms	X		Purging performed as required in the Groundwater Monitoring Plan	X			
Field Calibration Records	X		Field instruments calibrated daily according to manufacturer specifications	X			
Chain of Custody	X		Accurately reflect samples, collection dates/times, analyses, bottles, etc.	X			
Field decontamination documentation	X		Record of decontamination for non-dedicated sampling equipment	X			
Drilling logs	X		N/A	-	-	-	
Well construction logs	X		N/A	-	-	-	
Well development field forms	X		N/A	-	-	-	
Analytical Data Package							
Cover Sheet	X		N/A	-	-	-	
Case Narrative	X		Summarizes sample receipt and any exceptions to QC acceptance criteria	X			
Internal Laboratory Chain of Custody forms	X		Analyses as requested; accurate transcription of field COC	X			
Sample Chronology and Consistency	X		Accurate representation of dates, times of receipt, preparation, and analysis	X			
Communication Records with Lab	X		N/A	-	-	-	
EDD Format Consistency	X		EDD format and content as requested	X			
Sample Identification, Results Nomenclature, and Data Qualifier Consistency	X		All included in final report	X			
Method Detection Limit Consistency	X		MDLs consistent between samples	X			MDLs vary for boron, iron, Radium 226, Radium 228, sulfate, TSS, zinc
Instrument Calibration Records	X		Present and no nonconformance noted	X			
Laboratory Report Complete	X		Includes QC component	X			
Holding Times	X		Analyses performed within allowed holding time	X			

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Method	X		Method as requested	X			
Reporting Limits	X		RLs as requested	X			
			MDLs<RLs	X			Hardness MDLs = RLs
			MDLs<MCLs	X			
			MDLs<GPS	X			
QC Validation							
Evaluate Accuracy							
Matrix Spike (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Laboratory Control Sample (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Evaluate Precision							
Matrix Spike Duplicate (RPD)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Field Duplicate (RPD)	X		RPD ≤ 20%		X		See comments.
Evaluate Representativeness							
Equipment Blanks (if applicable)	X		Non-detect (<RL)	X			
QC Verification							
Verify Instrument Calibration & Analytical Process							
Initial Calibration Verification	X		Laboratory-determined	-	-	-	
Continuing Calibration Verification	X		Laboratory-determined	-	-	-	
Initial Calibration Blank	X		Laboratory-determined	-	-	-	
Continuing Calibration Blank	X		Laboratory-determined	-	-	-	
Serial Dilutions	X		Laboratory-determined	-	-	-	
Post-Digestion Spikes	X		Laboratory-determined	-	-	-	
Internal Standards	X		Laboratory-determined	-	-	-	
Laboratory Duplicate (RPD)	X		Laboratory-determined	-	-	-	
Method Blanks	X		Laboratory-determined	-	-	-	
Evaluate Completeness (# usable measurements/ # unusable measurements)							
Completeness	X		100%	X			

Other instances of nonconformance to QC control limits noted on case narrative:

None.

Comments:

The RPDs of Radium 226 and Radium 228 were outside of control limits for the MW-19A and MWT-19A parent sample and field duplicate pair. Radium 226 required qualification as estimated with low bias (J-) in parent sample MW-19A and as estimated with high bias (J+) in field duplicate MWT-19A. Radium 228 required qualification as estimated with high bias (J+) in parent sample MW-19A and as estimated with low bias (J-) in field duplicate MWT-19A.

Zinc was not detected in parent sample MW-19A, but was detected in field duplicate MWT-19A. Zinc required qualification as estimated but not detected (UJ) in parent sample MW-19A and as estimated with high bias (J+) field duplicate MWT-19A.

Data Verification & Validation Report

Lansing Board of Water & Light – Erickson Power Station

Sampling Event (dates and purpose): Background Sampling

Data Package Number: 240-240994-1, 240-241106-1, 240-241191-1

Lab Report Date: 1/21/2026

Data Validator: Andrew Byks

Data Validation Completion Date: 2/13/2026

General Overall Assessment:
_____ Data are usable without qualification.
__X__ Data are usable with qualification (as noted below).
_____ Some or all data are unusable (as noted below).

Wells planned for sampling:

Well ID	Planned for Sampling	Well ID	Planned for Sampling
MW-1		MW-17A	X
MW-2	X	MW-17B	X
MW-3	X	MW-17C	X
MW-4		MW-17D	X
MW-5	X	MW-17E	X
MW-6	X	MW-18A	X
MW-7	X	MW-18B	X
MW-7B		MW-18C	X
MW-7C	X	MW-18D	X
MW-7D	X	MW-19A	X
MW-8		MW-19B	X
MW-9		MW-19C	X
MW-10		MW-19D	X
MW-11		MW-100A	
MW-11B		MW-100B	
MW-12	X	MW-100C	
MW-12B	X	MW-100D	
MW-13			
MW-14	X		
MW-15			
MW-16A			
MW-16B			
MW-16C			
MW-16D			

Data Summary

Sample ID	Matrix	Lab ID	Date Collected	App III Metals	App IV Metals	Part 115 Metals	Anions	TDS TSS	Rad-226 Rad-228	Diss. Metals
MW-2	GW	240-240994-1	1/6/2026							X
MW-3	GW	240-240994-2	1/6/2026							X
MW-7	GW	240-240994-3	1/6/2026							X
MW-14	GW	240-240994-4	1/6/2026							X
MW-17A	GW	240-240994-5	1/6/2026							X
MW-17B	GW	240-240994-6	1/6/2026							X
MW-17C	GW	240-240994-7	1/6/2026							X
MW-17D	GW	240-240994-8	1/6/2026							X
MW-17E	GW	240-240994-9	1/6/2026							X
MWT-17A	GW	240-240994-10	1/6/2026							X
Field Blank	GW	240-240994-11	1/6/2026							X
MW-5	GW	240-241106-1	1/7/2026							X
MW-7C	GW	240-241106-2	1/7/2026							X
MW-7D	GW	240-241106-3	1/7/2026							X
MW-12	GW	240-241106-4	1/7/2026							X
MW-12B	GW	240-241106-5	1/7/2026							X
MW-18A	GW	240-241106-6	1/7/2026							X
MW-18B	GW	240-241106-7	1/7/2026							X
MW-18C	GW	240-241106-8	1/7/2026							X
MW-18D	GW	240-241106-9	1/7/2026							X
MW-19A	GW	240-241106-10	1/7/2026							X
MW-19B	GW	240-241106-11	1/7/2026							X
MW-19C	GW	240-241106-12	1/7/2026							X
MW-19D	GW	240-241106-13	1/7/2026							X
MWT-18A	GW	240-241106-14	1/7/2026							X
Field Blank	GW	240-241106-15	1/7/2026							X
MW-6	GW	240-241191-1	1/8/2026							X
MWT-6	GW	240-241191-2	1/8/2026							X
Field Blank	GW	240-241191-3	1/8/2026							X

Other analytes requested for analysis: Mg, TOC, Nitrate/Nitrite as N, Sulfide

Any planned sampling or analysis NOT completed? If yes, explain:

Data Verification & Validation Checklist

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Field Data							
Sample Collection Field Forms	X		Purging performed as required in the Groundwater Monitoring Plan	X			
Field Calibration Records	X		Field instruments calibrated daily according to manufacturer specifications	X			
Chain of Custody	X		Accurately reflect samples, collection dates/times, analyses, bottles, etc.	X			
Field decontamination documentation	X		Record of decontamination for non-dedicated sampling equipment	X			
Drilling logs	X		N/A	-	-	-	
Well construction logs	X		N/A	-	-	-	
Well development field forms	X		N/A	-	-	-	
Analytical Data Package							
Cover Sheet	X		N/A	-	-	-	
Case Narrative	X		Summarizes sample receipt and any exceptions to QC acceptance criteria	X			
Internal Laboratory Chain of Custody forms	X		Analyses as requested; accurate transcription of field COC	X			
Sample Chronology and Consistency	X		Accurate representation of dates, times of receipt, preparation, and analysis	X			
Communication Records with Lab	X		N/A	-	-	-	
EDD Format Consistency	X		EDD format and content as requested	X			
Sample Identification, Results Nomenclature, and Data Qualifier Consistency	X		All included in final report	X			
Method Detection Limit Consistency	X		MDLs consistent between samples	X			
Instrument Calibration Records	X		Present and no nonconformance noted	X			
Laboratory Report Complete	X		Includes QC component	X			
Holding Times	X		Analyses performed within allowed holding time	X			

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Method	X		Method as requested	X			
Reporting Limits	X		RLs as requested	X			
			MDLs<RLs	X			
			MDLs<MCLs	X			
			MDLs<GPS	X			
QC Validation							
Evaluate Accuracy							
Matrix Spike (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Laboratory Control Sample (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Evaluate Precision							
Matrix Spike Duplicate (RPD)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Field Duplicate (RPD)	X		RPD ≤ 20%		X		See comments.
Evaluate Representativeness							
Equipment Blanks (if applicable)	X		Non-detect (<RL)	X			
QC Verification							
Verify Instrument Calibration & Analytical Process							
Initial Calibration Verification	X		Laboratory-determined	-	-	-	
Continuing Calibration Verification	X		Laboratory-determined	-	-	-	
Initial Calibration Blank	X		Laboratory-determined	-	-	-	
Continuing Calibration Blank	X		Laboratory-determined	-	-	-	
Serial Dilutions	X		Laboratory-determined	-	-	-	
Post-Digestion Spikes	X		Laboratory-determined	-	-	-	
Internal Standards	X		Laboratory-determined	-	-	-	
Laboratory Duplicate (RPD)	X		Laboratory-determined	-	-	-	
Method Blanks	X		Laboratory-determined	-	-	-	
Evaluate Completeness (# usable measurements/ # unusable measurements)							
Completeness	X		100%	X			

Other instances of nonconformance to QC control limits noted on case narrative:

None.

Comments:

Dissolved arsenic was not detected in parent sample MW-17A, but was detected in field duplicate MWT-17A. Dissolved arsenic required qualification as estimated but not detected (UJ) in parent sample MW-17A and as estimated with high bias (J+) in field duplicate MWT-17A.

Dissolved zinc was detected in parent sample MW-18A, but was not detected in field duplicate MWT-18A. Dissolved zinc required qualification as estimated with high bias (J+) in parent sample MW-18A and as estimated but not detected (UJ) in field duplicate MWT-18A.

The RPDs of dissolved cadmium, dissolved magnesium, nitrate as N, and dissolved zinc were outside of control limits for the MW-6 and MWT-6 parent sample and field duplicate pair. Dissolved cadmium and dissolved zinc required qualification as estimated with low bias (J-) in parent sample MW-6 and as estimated with high bias (J+) in field duplicate MWT-6. Dissolved manganese and nitrate as N required qualification as estimated with high bias (J+) in parent sample MW-6 and as estimated with low bias (J-) in field duplicate MWT-6.

Data Verification & Validation Report

Lansing Board of Water & Light – Erickson Power Station

Sampling Event (dates and purpose): T2MNA Sampling

Data Package Number: 240-242959-1, 240-243270-1

Lab Report Date: 4/7/2026, 4/14/2026

Data Validator: Andrew Byks

Data Validation Completion Date: 4/16/2026

General Overall Assessment:
_____ Data are usable without qualification.
__X__ Data are usable with qualification (as noted below).
_____ Some or all data are unusable (as noted below).

Wells planned for sampling:

Well ID	Planned for Sampling	Well ID	Planned for Sampling
MW-1		MW-17A	X
MW-2	X	MW-17B	X
MW-3	X	MW-17C	X
MW-4		MW-17D	X
MW-5	X	MW-17E	X
MW-6	X	MW-18A	X
MW-7	X	MW-18B	X
MW-7B		MW-18C	X
MW-7C	X	MW-18D	X
MW-7D	X	MW-19A	X
MW-8		MW-19B	X
MW-9		MW-19C	X
MW-10		MW-19D	X
MW-11		MW-100A	
MW-11B		MW-100B	
MW-12	X	MW-100C	
MW-12B	X	MW-100D	
MW-13			
MW-14	X		
MW-15			
MW-16A			
MW-16B			
MW-16C			
MW-16D			

Data Summary

Sample ID	Matrix	Lab ID	Date Collected	App III Metals	App IV Metals	Part 115 Metals	Anions	TDS TSS	Rad-226 Rad-228	Diss. Metals
MW-2	GW	240-242959-1	2/10/2026							X
MW-3	GW	240-242959-2	2/10/2026							X
MW-6	GW	240-242959-3	2/10/2026							X
MW-7C	GW	240-242959-4	2/10/2026							X
MW-12	GW	240-242959-5	2/10/2026							X
MW-12B	GW	240-242959-6	2/10/2026							X
MW-17A	GW	240-242959-7	2/10/2026							X
MW-17B	GW	240-242959-8	2/10/2026							X
MW-17C	GW	240-242959-9	2/10/2026							X
MW-17D	GW	240-242959-10	2/10/2026							X
MW-17E	GW	240-242959-11	2/10/2026							X
MWT-17A	GW	240-242959-12	2/10/2026							X
Field Blank	GW	240-242959-13	2/10/2026							X
MW-5	GW	240-243270-1	2/11/2026							X
MW-7	GW	240-243270-2	2/11/2026							X
MW-7D	GW	240-243270-3	2/11/2026							X
MW-14	GW	240-243270-4	2/11/2026							X
MW-18A	GW	240-243270-5	2/11/2026							X
MW-18B	GW	240-243270-6	2/11/2026							X
MW-18C	GW	240-243270-7	2/11/2026							X
MW-18D	GW	240-243270-8	2/11/2026							X
MW-19A	GW	240-243270-9	2/11/2026							X
MW-19B	GW	240-243270-10	2/11/2026							X
MW-19C	GW	240-243270-11	2/11/2026							X
MW-19D	GW	240-243270-12	2/11/2026							X
MWT-7	GW	240-243270-13	2/11/2026							X
Field Blank	GW	240-243270-14	2/11/2026							X

Other analytes requested for analysis: TOC, Nitrate/Nitrite as N, Sulfide

Any planned sampling or analysis NOT completed? If yes, explain:

Data Verification & Validation Checklist

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Field Data							
Sample Collection Field Forms	X		Purging performed as required in the Groundwater Monitoring Plan	X			
Field Calibration Records	X		Field instruments calibrated daily according to manufacturer specifications	X			
Chain of Custody	X		Accurately reflect samples, collection dates/times, analyses, bottles, etc.	X			
Field decontamination documentation	X		Record of decontamination for non-dedicated sampling equipment	X			
Drilling logs	X		N/A	-	-	-	
Well construction logs	X		N/A	-	-	-	
Well development field forms	X		N/A	-	-	-	
Analytical Data Package							
Cover Sheet	X		N/A	-	-	-	
Case Narrative	X		Summarizes sample receipt and any exceptions to QC acceptance criteria	X			
Internal Laboratory Chain of Custody forms	X		Analyses as requested; accurate transcription of field COC		X		Reports revised for missing analytes. 240-242959-1 missing Cr. 240-243270-1 missing V.
Sample Chronology and Consistency	X		Accurate representation of dates, times of receipt, preparation, and analysis	X			
Communication Records with Lab	X		N/A	-	-	-	
EDD Format Consistency	X		EDD format and content as requested	X			
Sample Identification, Results Nomenclature, and Data Qualifier Consistency	X		All included in final report	X			
Method Detection Limit Consistency	X		MDLs consistent between samples		X		Multiple samples require dilution for analysis.
Instrument Calibration Records	X		Present and no nonconformance noted	X			
Laboratory Report Complete	X		Includes QC component	X			
Holding Times	X		Analyses performed within allowed holding time	X			

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Method	X		Method as requested		X		Sulfide ran by SM 4500-D and 4500-F.
Reporting Limits	X		RLs as requested	X			
			MDLs<RLs	X			
			MDLs<MCLs	X			
			MDLs<GPS	X			
QC Validation							
Evaluate Accuracy							
Matrix Spike (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table		X		See comments.
Laboratory Control Sample (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Evaluate Precision							
Matrix Spike Duplicate (RPD)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Field Duplicate (RPD)	X		RPD ≤ 20%		X		See comments.
Evaluate Representativeness							
Equipment Blanks (if applicable)	X		Non-detect (<RL)	X			
QC Verification							
Verify Instrument Calibration & Analytical Process							
Initial Calibration Verification	X		Laboratory-determined	-	-	-	
Continuing Calibration Verification	X		Laboratory-determined	-	-	-	
Initial Calibration Blank	X		Laboratory-determined	-	-	-	
Continuing Calibration Blank	X		Laboratory-determined	-	-	-	
Serial Dilutions	X		Laboratory-determined	-	-	-	
Post-Digestion Spikes	X		Laboratory-determined	-	-	-	
Internal Standards	X		Laboratory-determined	-	-	-	
Laboratory Duplicate (RPD)	X		Laboratory-determined	-	-	-	
Method Blanks	X		Laboratory-determined	-	-	-	
Evaluate Completeness (# usable measurements/ # unusable measurements)							
Completeness	X		100%	X			

Other instances of nonconformance to QC control limits noted on case narrative:

None.

Comments:

The matrix spike sample and matrix spike sample duplicate for sulfide for sample MW-2 recovered below control criteria. The RPD of the two samples was within control limits and sulfide was non-detect for sample MW-2, therefore no qualification was required.

Dissolved cadmium, dissolved cobalt, and dissolved selenium were detected in parent sample MW-7, but were not detected in field duplicate sample MWT-7. Dissolved cadmium, dissolved cobalt, and dissolved selenium required

qualification as estimated with high bias (J+) in parent sample MW-7 and as estimated but not detected (UJ) in field duplicate MWT-7.

Data Verification & Validation Report

Lansing Board of Water & Light – Erickson Power Station

Sampling Event (dates and purpose): SemiAnnual Sampling

Data Package Number:	Lab Report Date:
240-242809-1, -2, -3	2/21/2026, 3/9/2026
240-243052-1, -2	2/26/2026, 3/18/2026
240-243264-1, -2	2/26/2026, 3/16/2026
240-248870-1	4/29/2026

Data Validator: Andrew Byks

Data Validation Completion Date: 5/6/2026

General Overall Assessment:
_____ Data are usable without qualification.
__X__ Data are usable with qualification (as noted below).
_____ Some or all data are unusable (as noted below).

Wells planned for sampling:

Well ID	Planned for Sampling	Well ID	Planned for Sampling
MW-1	X	MW-17A	X
MW-2	X	MW-17B	X
MW-3	X	MW-17C	X
MW-4	X	MW-17D	X
MW-5	X	MW-17E	X
MW-6	X	MW-18A	X
MW-7	X	MW-18B	X
MW-7B	X	MW-18C	X
MW-7C	X	MW-18D	X
MW-8	X	MW-19A	
MW-9	X	MW-19B	
MW-10	X	MW-19C	
MW-11	X	MW-19D	
MW-11B	X	MW-100A	X
MW-12	X	MW-100B	X
MW-12B	X	MW-100C	X
MW-13	X	MW-100D	X
MW-14	X		
MW-15	X		
MW-16A	X		
MW-16B	X		
MW-16C	X		
MW-16D	X		

Data Summary

Sample ID	Matrix	Lab ID	Date Collected	App III Metals	App IV Metals	Part 115 Metals	Anions	TDS TSS	Rad-226 Rad-228	Diss. Metals
MW-1	GW	240-242809-1	2/4/2026	X	X	X	X	X	X	
MW-4	GW	240-242809-2	2/4/2026	X	X	X	X	X	X	
MW-10	GW	240-242809-3	2/4/2026	X	X	X	X	X	X	
MW-11	GW	240-242809-4	2/4/2026	X	X	X	X	X	X	
MW-11B	GW	240-242809-5	2/4/2026	X	X	X	X	X	X	
MW-13	GW	240-242809-6	2/4/2026	X	X	X	X	X	X	
MW-18A	GW	240-242809-7	2/4/2026	X	X	X	X	X	X	
MW-18B	GW	240-242809-8	2/4/2026	X	X	X	X	X	X	
MW-18C	GW	240-242809-9	2/4/2026	X	X	X	X	X	X	
MW-7B	GW	240-242809-10	2/5/2026	X	X	X	X	X	X	
MW-18D	GW	240-242809-11	2/4/2026	X	X	X	X	X	X	
MW-8	GW	240-242809-12	2/5/2026	X	X	X	X	X	X	
MWT-18A	GW	240-242809-13	2/4/2026	X	X	X	X	X	X	
MW-9	GW	240-242809-14	2/5/2026	X	X	X	X	X	X	
FIELD BLANK	GW	240-242809-15	2/4/2026	X	X	X	X	X	X	
MW-15	GW	240-242809-16	2/5/2026	X	X	X	X	X	X	
MW-100A	GW	240-242809-17	2/5/2026	X	X	X	X	X	X	
MW-100B	GW	240-242809-18	2/5/2026	X	X	X	X	X	X	
MW-100C	GW	240-242809-19	2/5/2026	X	X	X	X	X	X	
MW-100D	GW	240-242809-20	2/5/2026	X	X	X	X	X	X	
MWT-100C	GW	240-242809-21	2/5/2026	X	X	X	X	X	X	
FIELD BLANK	GW	240-242809-22	2/5/2026	X	X	X	X	X	X	
MW-16A	GW	240-234052-1	2/9/2026	X	X	X	X	X	X	
MW-16B	GW	240-234052-2	2/9/2026	X	X	X	X	X	X	
MW-16C	GW	240-234052-3	2/9/2026	X	X	X	X	X	X	
MW-16D	GW	240-234052-4	2/9/2026	X	X	X	X	X	X	
MWT-16B	GW	240-234052-5	2/9/2026	X	X	X	X	X	X	
FIELD BLANK	GW	240-234052-6	2/9/2026	X	X	X	X	X	X	
MW-2	GW	240-234052-7	2/10/2026	X	X	X	X	X	X	
MW-3	GW	240-234052-8	2/10/2026	X	X	X	X	X	X	
MW-6	GW	240-234052-9	2/10/2026	X	X	X	X	X	X	
MW-7C	GW	240-234052-10	2/10/2026	X	X	X	X	X	X	
MW-12	GW	240-234052-11	2/10/2026	X	X	X	X	X	X	
MW-12B	GW	240-234052-12	2/10/2026	X	X	X	X	X	X	
MW-17A	GW	240-234052-13	2/10/2026	X	X	X	X	X	X	
MW-17B	GW	240-234052-14	2/10/2026	X	X	X	X	X	X	
MW-17C	GW	240-234052-15	2/10/2026	X	X	X	X	X	X	
MW-17D	GW	240-234052-16	2/10/2026	X	X	X	X	X	X	
MW-17E	GW	240-234052-17	2/10/2026	X	X	X	X	X	X	
MWT-17A	GW	240-234052-18	2/10/2026	X	X	X	X	X	X	
FIELD BLANK	GW	240-234052-19	2/10/2026	X	X	X	X	X	X	
MW-5	GW	240-243264-1	2/11/2026	X	X	X	X	X	X	
MW-7	GW	240-243264-2	2/11/2026	X	X	X	X	X	X	
MW-12	GW	240-243264-3	2/11/2026	X	X	X	X	X	X	
MW-14	GW	240-243264-4	2/11/2026	X	X	X	X	X	X	
MW-19A	GW	240-243264-5	2/11/2026	X	X	X	X	X	X	
MW-19B	GW	240-243264-6	2/11/2026	X	X	X	X	X	X	
MW-19C	GW	240-243264-7	2/11/2026	X	X	X	X	X	X	
MW-19D	GW	240-243264-8	2/11/2026	X	X	X	X	X	X	
MWT-7	GW	240-243264-9	2/11/2026	X	X	X	X	X	X	
FIELD BLANK	GW	240-243264-10	2/11/2026	X	X	X	X	X	X	

Other analytes requested for analysis: Mg, HCO_3, CO_3, hardness

Any planned sampling or analysis NOT completed? If yes, explain:

Data Verification & Validation Checklist

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Field Data							
Sample Collection Field Forms	X		Purging performed as required in the Groundwater Monitoring Plan	X			DO at select wells >10% variance in last samples due to equipment precision. Turbidity at MW-2, -5, -11B and-12 remained above 10 NTU. Dissolved analyses were performed.
Field Calibration Records	X		Field instruments calibrated daily according to manufacturer specifications	X			
Chain of Custody	X		Accurately reflect samples, collection dates/times, analyses, bottles, etc.	X			
Field decontamination documentation	X		Record of decontamination for non-dedicated sampling equipment	X			
Drilling logs	X		N/A	-	-	-	
Well construction logs	X		N/A	-	-	-	
Well development field forms	X		N/A	-	-	-	
Analytical Data Package							
Cover Sheet	X		N/A	-	-	-	
Case Narrative	X		Summarizes sample receipt and any exceptions to QC acceptance criteria	X			
Internal Laboratory Chain of Custody forms	X		Analyses as requested; accurate transcription of field COC		X		Multiple analytes missing upon receipt. Resampling performed.
Sample Chronology and Consistency	X		Accurate representation of dates, times of receipt, preparation, and analysis	X			
Communication Records with Lab	X		N/A	-	-	-	
EDD Format Consistency	X		EDD format and content as requested	X			
Sample Identification, Results Nomenclature, and Data Qualifier Consistency	X		All included in final report	X			
Method Detection Limit Consistency	X		MDLs consistent between samples	X			Boron, Iron, Sulfate, TSS, Rad-226/228, Zinc MDLs vary
Instrument Calibration Records	X		Present and no nonconformance noted	X			
Laboratory Report Complete	X		Includes QC component	X			

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Holding Times	X		Analyses performed within allowed holding time	X			
Method	X		Method as requested	X			
Reporting Limits	X		RLs as requested	X			
			MDLs<RLs	X			Hardness MDLs = RLs
			MDLs<MCLs	X			
			MDLs<GPS	X			
QC Validation							
Evaluate Accuracy							
Matrix Spike (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Laboratory Control Sample (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table		X		LCS low recovery (74%) for TSS in LCS 240-690823/2. See comments.
Evaluate Precision							
Matrix Spike Duplicate (RPD)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Field Duplicate (RPD)	X		RPD ≤ 20%		X		See comments.
Evaluate Representativeness							
Equipment Blanks (if applicable)	X		Non-detect (<RL)	X			All blank detections estimated under RL.
QC Verification							
Verify Instrument Calibration & Analytical Process							
Initial Calibration Verification	X		Laboratory-determined	-	-	-	
Continuing Calibration Verification	X		Laboratory-determined	-	-	-	
Initial Calibration Blank	X		Laboratory-determined	-	-	-	
Continuing Calibration Blank	X		Laboratory-determined	-	-	-	
Serial Dilutions	X		Laboratory-determined	-	-	-	
Post-Digestion Spikes	X		Laboratory-determined	-	-	-	
Internal Standards	X		Laboratory-determined	-	-	-	
Laboratory Duplicate (RPD)	X		Laboratory-determined	-	-	-	
Method Blanks	X		Laboratory-determined	-	-	-	
Evaluate Completeness (# usable measurements/ # unusable measurements)							
Completeness	X		100%	X			

Other instances of nonconformance to QC control limits noted on case narrative:

Comments:

DO at select wells >10% variance in last samples due to equipment precision.

Turbidity at MW-2, -5, -11B and-12 remained above 10 NTU. Dissolved analyses were performed.

The LCS recovery was low for TSS (74%) in LCS 240-690823/2. TSS in affected samples MW-19B, MW-19C, MW-19D, and MWT-7 required qualification as estimated with low bias (J-) or as estimated but not detected (UJ).

Arsenic was not detected in parent sample MW-18A, but was detected in field duplicate MWT-18A. Arsenic in parent sample MW-18A required qualification as estimated but not detected (UJ) and in field duplicate MWT-18A as estimated with high bias (J+).

The RPDs of Rad-226, Rad-228, and TSS were outside of control limits for the MW-18A and MWT-18A parent sample and field duplicate pair. Rad-226, Rad-228, and TSS required qualification as estimated with low bias (J-) in parent sample MW-18A and as estimated with high bias (J+) in field duplicate MWT-18A.

Arsenic was not detected in parent sample MW-100C, but was detected in field duplicate MWT-100C. Arsenic in parent sample MW-100C required qualification as estimated but not detected (UJ) and in field duplicate MWT-100C as estimated with high bias (J+).

The RPDs of Rad-226 and Rad-228 were outside of control limits for the MW-100C and MWT-100C parent sample and field duplicate pair. Rad-226 and Rad-228 required qualification as estimated with low bias (J-) in parent sample MW-100C and as estimated with high bias (J+) in field duplicate MWT-100C.

Zinc was not detected in parent sample MW-16B, but was detected in field duplicate MWT-16B. Zinc in parent sample MW-16B required qualification as estimated but not detected (UJ) and in field duplicate MWT-16B as estimated with high bias (J+).

The RPDs of Rad-226, Rad-228, and Rad-226+228 were outside of control limits for the MW-16B and MWT-16B parent sample and field duplicate pair. Rad-226, Rad-228, and Rad-226+228 required qualification as estimated with low bias (J-) in parent sample MW-16B and as estimated with high bias (J+) in field duplicate MWT-16B.

The RPDs of Rad-226 and Rad-228 were outside of control limits for the MW-17A and MWT-17A parent sample and field duplicate pair. Rad-226 required qualification as estimated with high bias (J+) in parent sample MW-17A and as estimated with low bias (J-) in field duplicate MWT-17A. Rad-228 required qualification as estimated with low bias (J-) in parent sample MW-17A and as estimated with high bias (J+) in field duplicate MWT-17A.

Cadmium, cobalt, and thallium were detected in parent sample MW-7, but were not detected in field duplicate MWT-7. Cadmium, cobalt, and thallium required qualification as estimated with high bias (J+) in parent sample MW-7 and as estimated with low bias (J-) in field duplicate MWT-7.

The RPDs of Rad-226 and Rad-226+Rad-228 were outside of control limits for the MW-7 and MWT-7 parent sample and field duplicate pair. Rad-226 and Rad-226+Rad-228 required qualification as estimated with low bias (J-) in parent sample MW-7 and as estimated with high bias (J+) in field duplicate MWT-7.

TDS and TSS results for sample MWT-7 collected on February 11, 2026 were rejected due to the analysis not being performed in the parent sample.

Data Verification & Validation Report

Lansing Board of Water & Light – Erickson Power Station

Sampling Event (dates and purpose): Background Sampling 7D Round 5

Data Package Number: 240-243472-1, -2 Lab Report Date: 3/3/2026, 3/20/2026

Data Validator: Lily Pegg Data Validation Completion Date: 4/14/2026
Validator QC: Andrew Byks

General Overall Assessment:
_____ Data are usable without qualification.
__X__ Data are usable with qualification (as noted below).
_____ Some or all data are unusable (as noted below).

Wells planned for sampling:

Well ID	Planned for Sampling	Well ID	Planned for Sampling
MW-1		MW-17A	
MW-2		MW-17B	
MW-3		MW-17C	
MW-4		MW-17D	
MW-5		MW-17E	
MW-6		MW-18A	
MW-7		MW-18B	
MW-7B		MW-18C	
MW-7C		MW-18D	
MW-7D	X	MW-19A	
MW-8		MW-19B	
MW-9		MW-19C	
MW-10		MW-19D	
MW-11		MW-100A	
MW-11B		MW-100B	
MW-12		MW-100C	
MW-12B		MW-100D	
MW-13			
MW-14			
MW-15			
MW-16A			
MW-16B			
MW-16C			
MW-16D			

Data Summary

Sample ID	Matrix	Lab ID	Date Collected	App III Metals	App IV Metals	Part 115 Metals	Anions	TDS TSS	Rad-226 Rad-228	Diss. Metals
MW-7D	GW	240-243472-1	2/17/26	X	X	X	X	X	X	

Other analytes requested for analysis: Mg, Na, K, $XHCO_3$, CO_3, hardness

Any planned sampling or analysis NOT completed? If yes, explain:

Data Verification & Validation Checklist

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Field Data							
Sample Collection Field Forms	X		Purging performed as required in the Groundwater Monitoring Plan	X			
Field Calibration Records	X		Field instruments calibrated daily according to manufacturer specifications	X			
Chain of Custody	X		Accurately reflect samples, collection dates/times, analyses, bottles, etc.	X			
Field decontamination documentation	X		Record of decontamination for non-dedicated sampling equipment	X			
Drilling logs	X		N/A	-	-	-	
Well construction logs	X		N/A	-	-	-	
Well development field forms	X		N/A	-	-	-	
Analytical Data Package							
Cover Sheet	X		N/A	-	-	-	
Case Narrative	X		Summarizes sample receipt and any exceptions to QC acceptance criteria	X			
Internal Laboratory Chain of Custody forms	X		Analyses as requested; accurate transcription of field COC	X			
Sample Chronology and Consistency	X		Accurate representation of dates, times of receipt, preparation, and analysis	X			
Communication Records with Lab	X		N/A	-	-	-	
EDD Format Consistency	X		EDD format and content as requested	X			
Sample Identification, Results Nomenclature, and Data Qualifier Consistency	X		All included in final report	X			
Method Detection Limit Consistency	X		MDLs consistent between samples		X		MDLs vary for Boron, Radium 226, Radium 228
Instrument Calibration Records	X		Present and no nonconformance noted	X			
Laboratory Report Complete	X		Includes QC component	X			
Holding Times	X		Analyses performed within allowed holding time	X			

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Method	X		Method as requested	X			
Reporting Limits	X		RLs as requested	X			
			MDLs<RLs	X			
			MDLs<MCLs	X			
			MDLs<GPS	X			
QC Validation							
Evaluate Accuracy							
Matrix Spike (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Laboratory Control Sample (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Evaluate Precision							
Matrix Spike Duplicate (RPD)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Field Duplicate (RPD)	X		RPD ≤ 20%		X		See comments
Evaluate Representativeness							
Equipment Blanks (if applicable)		X	Non-detect (<RL)			X	
QC Verification							
Verify Instrument Calibration & Analytical Process							
Initial Calibration Verification	X		Laboratory-determined	-	-	-	
Continuing Calibration Verification	X		Laboratory-determined	-	-	-	
Initial Calibration Blank	X		Laboratory-determined	-	-	-	
Continuing Calibration Blank	X		Laboratory-determined	-	-	-	
Serial Dilutions	X		Laboratory-determined	-	-	-	
Post-Digestion Spikes	X		Laboratory-determined	-	-	-	
Internal Standards	X		Laboratory-determined	-	-	-	
Laboratory Duplicate (RPD)	X		Laboratory-determined	-	-	-	
Method Blanks	X		Laboratory-determined	-	-	-	
Evaluate Completeness (# usable measurements/ # unusable measurements)							
Completeness	X		100%	X			

Other instances of nonconformance to QC control limits noted on case narrative:

None.

Comments:

Cobalt was not detected in duplicate sample MWT-7D, but was detected in parent sample MW-7D. Cobalt required qualification as estimated with high bias (J+) for the parent sample MW-7D and as estimated but not detected (UJ) for the duplicate sample MWT-7D.

The RPDs of Radium 226 and 228 and Radium 228 were outside the control limits for the MW-7D and MWT-7D parent sample and duplicate pair. Radium 226 and 228 required qualification as estimated with

low bias (J-) in parent sample MW-7D and as estimated with high bias (J+) for the duplicate sample MWT-7D. Radium 228 required qualification as estimated with low bias (J-) in parent sample MW-7D and as estimated with high bias (J+) for the duplicate sample MWT-7D.

The RPD of sulfate was outside the control limits for the MW-7D and MWT-7D parent sample and duplicate pair. Sulfate required qualification as estimated with low bias (J-) in parent sample MW-7D and as estimated with high bias (J+) for the duplicate sample MWT-7D.

Total suspended solids were not detected in parent sample MW-7D, but were detected in duplicate sample MWT-7D. TSS required qualification as estimated but not detected (UJ) for the parent sample MW-7D and as estimated with high bias (J+) for the duplicate sample MWT-7D.

Data Verification & Validation Report

Lansing Board of Water & Light – Erickson Power Station

Sampling Event (dates and purpose): Background Sampling MW-7D Round 6

Data Package Number: 240-246344-1, -2 Lab Report Date: 4/1/2026, 4/22/2026

Data Validator: Andrew Byks Data Validation Completion Date: 6/15/2026

General Overall Assessment:
_____ Data are usable without qualification.
__X__ Data are usable with qualification (as noted below).
_____ Some or all data are unusable (as noted below).

Wells planned for sampling:

Well ID	Planned for Sampling	Well ID	Planned for Sampling
MW-1		MW-17A	
MW-2		MW-17B	
MW-3		MW-17C	
MW-4		MW-17D	
MW-5		MW-17E	
MW-6		MW-18A	
MW-7		MW-18B	
MW-7B		MW-18C	
MW-7C		MW-18D	
MW-7D	X	MW-19A	
MW-8		MW-19B	
MW-9		MW-19C	
MW-10		MW-19D	
MW-11		MW-100A	
MW-11B		MW-100B	
MW-12		MW-100C	
MW-12B		MW-100D	
MW-13			
MW-14			
MW-15			
MW-16A			
MW-16B			
MW-16C			
MW-16D			

Data Summary

Sample ID	Matrix	Lab ID	Date Collected	App III Metals	App IV Metals	Part 115 Metals	Anions	TDS TSS	Rad-226 Rad-228	Diss. Metals
MW-7D	GW	240-246344-01	3/24/2026	X	X	X	X	X	X	
MWT-7D	GW	240-246344-02	3/24/2026	X	X	X	X	X	X	
Field Blank	GW	240-246344-03	3/24/2026	X	X	X	X	X	X	

Other analytes requested for analysis: Mg, Na, K, $XHCO_3$, CO_3, hardness

Any planned sampling or analysis NOT completed? If yes, explain:

Data Verification & Validation Checklist

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Field Data							
Sample Collection Field Forms	X		Purging performed as required in the Groundwater Monitoring Plan	X			
Field Calibration Records	X		Field instruments calibrated daily according to manufacturer specifications	X			
Chain of Custody	X		Accurately reflect samples, collection dates/times, analyses, bottles, etc.	X			
Field decontamination documentation	X		Record of decontamination for non-dedicated sampling equipment	X			
Drilling logs	X		N/A	-	-	-	
Well construction logs	X		N/A	-	-	-	
Well development field forms	X		N/A	-	-	-	
Analytical Data Package							
Cover Sheet	X		N/A	-	-	-	
Case Narrative	X		Summarizes sample receipt and any exceptions to QC acceptance criteria	X			
Internal Laboratory Chain of Custody forms	X		Analyses as requested; accurate transcription of field COC	X			
Sample Chronology and Consistency	X		Accurate representation of dates, times of receipt, preparation, and analysis	X			
Communication Records with Lab	X		N/A	-	-	-	
EDD Format Consistency	X		EDD format and content as requested	X			
Sample Identification, Results Nomenclature, and Data Qualifier Consistency	X		All included in final report	X			
Method Detection Limit Consistency	X		MDLs consistent between samples		X		MDLs vary for Boron
Instrument Calibration Records	X		Present and no nonconformance noted	X			
Laboratory Report Complete	X		Includes QC component	X			
Holding Times	X		Analyses performed within allowed holding time	X			

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Method	X		Method as requested	X			
Reporting Limits	X		RLs as requested	X			
			MDLs<RLs	X			
			MDLs<MCLs	X			
			MDLs<GPS	X			
QC Validation							
Evaluate Accuracy							
Matrix Spike (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Laboratory Control Sample (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Evaluate Precision							
Matrix Spike Duplicate (RPD)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Field Duplicate (RPD)	X		RPD ≤ 20%		X		See comments.
Evaluate Representativeness							
Equipment Blanks (if applicable)		X	Non-detect (<RL)			X	
QC Verification							
Verify Instrument Calibration & Analytical Process							
Initial Calibration Verification	X		Laboratory-determined	-	-	-	
Continuing Calibration Verification	X		Laboratory-determined	-	-	-	
Initial Calibration Blank	X		Laboratory-determined	-	-	-	
Continuing Calibration Blank	X		Laboratory-determined	-	-	-	
Serial Dilutions	X		Laboratory-determined	-	-	-	
Post-Digestion Spikes	X		Laboratory-determined	-	-	-	
Internal Standards	X		Laboratory-determined	-	-	-	
Laboratory Duplicate (RPD)	X		Laboratory-determined	-	-	-	
Method Blanks	X		Laboratory-determined	-	-	-	
Evaluate Completeness (# usable measurements/ # unusable measurements)							
Completeness	X		100%	X			

Other instances of nonconformance to QC control limits noted on case narrative:

None.

Comments:

Total Suspended Solids in samples MW-7D and MWT-7D required qualification as estimated with high bias (J+) due to detection in an associated field blank.

Arsenic, cadmium, molybdenum, and thallium were not detected in parent sample MW-7D, but were detected in field duplicate sample MWT-7D. Arsenic, cadmium, molybdenum, and thallium required

qualification as estimated but not detected (UJ) in parent sample MW-7D and as estimated with high bias (J+) in field duplicate MWT-7D.

The RPD of Radium-228 between parent sample MW-7D and field duplicate MWT-7D was 29%. Radium-228 required qualification as estimated with low bias (J-) in parent sample MW-7D and as estimated with high bias (J+) in field duplicate MWT-7D.

Data Verification & Validation Report

Lansing Board of Water & Light – Erickson Power Station

Sampling Event (dates and purpose): Background Sampling MW-7D Round 7

Data Package Number: 240-249249-1, -2 Lab Report Date: 5/13/2026, 5/26/2026

Data Validator: Andrew Byks Data Validation Completion Date: 6/15/2026

General Overall Assessment:
_____ Data are usable without qualification.
__X__ Data are usable with qualification (as noted below).
_____ Some or all data are unusable (as noted below).

Wells planned for sampling:

Well ID	Planned for Sampling	Well ID	Planned for Sampling
MW-1		MW-17A	
MW-2		MW-17B	
MW-3		MW-17C	
MW-4		MW-17D	
MW-5		MW-17E	
MW-6		MW-18A	
MW-7		MW-18B	
MW-7B		MW-18C	
MW-7C		MW-18D	
MW-7D	X	MW-19A	
MW-8		MW-19B	
MW-9		MW-19C	
MW-10		MW-19D	
MW-11		MW-100A	
MW-11B		MW-100B	
MW-12		MW-100C	
MW-12B		MW-100D	
MW-13			
MW-14			
MW-15			
MW-16A			
MW-16B			
MW-16C			
MW-16D			

Data Summary

Sample ID	Matrix	Lab ID	Date Collected	App III Metals	App IV Metals	Part 115 Metals	Anions	TDS TSS	Rad-226 Rad-228	Diss. Metals
MW-7D	GW	240-249249-01	4/28/2026	X	X	X	X	X	X	
MWT-7D	GW	240-249249-02	4/28/2026	X	X	X	X	X	X	
Field Blank	GW	240-249249-03	4/28/2026	X	X	X	X	X	X	

Other analytes requested for analysis: Mg, Na, K, $XHCO_3$, CO_3, hardness

Any planned sampling or analysis NOT completed? If yes, explain:

Data Verification & Validation Checklist

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Field Data							
Sample Collection Field Forms	X		Purging performed as required in the Groundwater Monitoring Plan	X			
Field Calibration Records	X		Field instruments calibrated daily according to manufacturer specifications	X			
Chain of Custody	X		Accurately reflect samples, collection dates/times, analyses, bottles, etc.	X			
Field decontamination documentation	X		Record of decontamination for non-dedicated sampling equipment	X			
Drilling logs	X		N/A	-	-	-	
Well construction logs	X		N/A	-	-	-	
Well development field forms	X		N/A	-	-	-	
Analytical Data Package							
Cover Sheet	X		N/A	-	-	-	
Case Narrative	X		Summarizes sample receipt and any exceptions to QC acceptance criteria	X			
Internal Laboratory Chain of Custody forms	X		Analyses as requested; accurate transcription of field COC	X			
Sample Chronology and Consistency	X		Accurate representation of dates, times of receipt, preparation, and analysis	X			
Communication Records with Lab	X		N/A	-	-	-	
EDD Format Consistency	X		EDD format and content as requested	X			
Sample Identification, Results Nomenclature, and Data Qualifier Consistency	X		All included in final report	X			
Method Detection Limit Consistency	X		MDLs consistent between samples		X		MDLs vary for Boron
Instrument Calibration Records	X		Present and no nonconformance noted	X			
Laboratory Report Complete	X		Includes QC component	X			
Holding Times	X		Analyses performed within allowed holding time	X			

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Method	X		Method as requested	X			
Reporting Limits	X		RLs as requested	X			
			MDLs<RLs	X			
			MDLs<MCLs	X			
			MDLs<GPS	X			
QC Validation							
Evaluate Accuracy							
Matrix Spike (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Laboratory Control Sample (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Evaluate Precision							
Matrix Spike Duplicate (RPD)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Field Duplicate (RPD)	X		RPD ≤ 20%		X		See comments.
Evaluate Representativeness							
Equipment Blanks (if applicable)		X	Non-detect (<RL)			X	
QC Verification							
Verify Instrument Calibration & Analytical Process							
Initial Calibration Verification	X		Laboratory-determined	-	-	-	
Continuing Calibration Verification	X		Laboratory-determined	-	-	-	
Initial Calibration Blank	X		Laboratory-determined	-	-	-	
Continuing Calibration Blank	X		Laboratory-determined	-	-	-	
Serial Dilutions	X		Laboratory-determined	-	-	-	
Post-Digestion Spikes	X		Laboratory-determined	-	-	-	
Internal Standards	X		Laboratory-determined	-	-	-	
Laboratory Duplicate (RPD)	X		Laboratory-determined	-	-	-	
Method Blanks	X		Laboratory-determined	-	-	-	
Evaluate Completeness (# usable measurements/ # unusable measurements)							
Completeness	X		100%	X			

Other instances of nonconformance to QC control limits noted on case narrative:

None.

Comments:

The RPD of Radium-228 and Combined Radium 226+228 were outside of control limits for the MW-7D and MWT-7D parent sample and field duplicate pair. Radium-228 and Combined Radium 226+228 required qualification as estimated with high bias (J+) in parent sample MW-7D and as estimated with low bias (J-) in field duplicate MWT-7D.

Data Verification & Validation Report

Lansing Board of Water & Light – Erickson Power Station

Sampling Event (dates and purpose): T2 MNA Nitrogen Species Sampling

Data Package Number: 240-245693-1, 240-245802-1

Lab Report Date: 3/29/2026

Data Validator: Andrew Byks

Data Validation Completion Date: 5/6/2026

General Overall Assessment:
_____ Data are usable without qualification.
__X__ Data are usable with qualification (as noted below).
_____ Some or all data are unusable (as noted below).

Wells planned for sampling:

Well ID	Planned for Sampling	Well ID	Planned for Sampling
MW-1		MW-17A	
MW-2	X	MW-17B	
MW-3	X	MW-17C	
MW-4		MW-17D	
MW-5	X	MW-17E	
MW-6	X	MW-18A	X
MW-7	X	MW-18B	
MW-7B		MW-18C	
MW-7C	X	MW-18D	X
MW-7D	X	MW-19A	X
MW-8		MW-19B	X
MW-9		MW-19C	X
MW-10		MW-19D	X
MW-11		MW-100A	
MW-11B		MW-100B	
MW-12	X	MW-100C	
MW-12B	X	MW-100D	
MW-13			
MW-14	X		
MW-15			
MW-16A			
MW-16B			
MW-16C			
MW-16D			

Data Summary

Sample ID	Matrix	Lab ID	Date Collected	App III Metals	App IV Metals	Part 115 Metals	Anions	TDS TSS	Rad-226 Rad-228	Diss. Metals
MW-2	GW	240-245693-1	3/17/2026							
MW-3	GW	240-245693-2	3/17/2026							
MW-6	GW	240-245693-3	3/17/2026							
MW-7	GW	240-245693-4	3/17/2026							
MW-7C	GW	240-245693-5	3/17/2026							
MW-7D	GW	240-245693-6	3/17/2026							
MW-12	GW	240-245693-7	3/17/2026							
MW-12B	GW	240-245693-8	3/17/2026							
MW-14	GW	240-245693-9	3/17/2026							
MW-18A	GW	240-245693-10	3/17/2026							
MW-18D	GW	240-245693-11	3/17/2026							
MWT-18A	GW	240-245693-12	3/17/2026							
FIELD BLANK	GW	240-245693-13	3/17/2026							
MW-5	GW	240-245802-1	3/18/2026							
MW-19A	GW	240-245802-2	3/18/2026							
MW-19B	GW	240-245802-3	3/18/2026							
MW-19C	GW	240-245802-4	3/18/2026							
MW-19D	GW	240-245802-5	3/18/2026							
MWT-19A	GW	240-245802-6	3/18/2026							
Field Blank	GW	240-245802-7	3/18/2026							

Other analytes requested for analysis: TOC, Nitrate/Nitrite as N

Any planned sampling or analysis NOT completed? If yes, explain:

Data Verification & Validation Checklist

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Field Data							
Sample Collection Field Forms	X		Purging performed as required in the Groundwater Monitoring Plan	X			
Field Calibration Records	X		Field instruments calibrated daily according to manufacturer specifications	X			
Chain of Custody	X		Accurately reflect samples, collection dates/times, analyses, bottles, etc.	X			
Field decontamination documentation	X		Record of decontamination for non-dedicated sampling equipment	X			
Drilling logs	X		N/A	-	-	-	
Well construction logs	X		N/A	-	-	-	
Well development field forms	X		N/A	-	-	-	
Analytical Data Package							
Cover Sheet	X		N/A	-	-	-	
Case Narrative	X		Summarizes sample receipt and any exceptions to QC acceptance criteria	X			
Internal Laboratory Chain of Custody forms	X		Analyses as requested; accurate transcription of field COC		X		
Sample Chronology and Consistency	X		Accurate representation of dates, times of receipt, preparation, and analysis	X			
Communication Records with Lab	X		N/A	-	-	-	
EDD Format Consistency	X		EDD format and content as requested	X			
Sample Identification, Results Nomenclature, and Data Qualifier Consistency	X		All included in final report	X			
Method Detection Limit Consistency	X		MDLs consistent between samples		X		Multiple samples require dilution for analysis.
Instrument Calibration Records	X		Present and no nonconformance noted	X			
Laboratory Report Complete	X		Includes QC component	X			
Holding Times	X		Analyses performed within allowed holding time	X			

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Method	X		Method as requested		X		
Reporting Limits	X		RLs as requested	X			
			MDLs<RLs	X			
			MDLs<MCLs	X			
			MDLs<GPS	X			
QC Validation							
Evaluate Accuracy							
Matrix Spike (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Laboratory Control Sample (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Evaluate Precision							
Matrix Spike Duplicate (RPD)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Field Duplicate (RPD)	X		RPD ≤ 20%	X			
Evaluate Representativeness							
Equipment Blanks (if applicable)	X		Non-detect (<RL)	X			
QC Verification							
Verify Instrument Calibration & Analytical Process							
Initial Calibration Verification	X		Laboratory-determined	-	-	-	
Continuing Calibration Verification	X		Laboratory-determined	-	-	-	
Initial Calibration Blank	X		Laboratory-determined	-	-	-	
Continuing Calibration Blank	X		Laboratory-determined	-	-	-	
Serial Dilutions	X		Laboratory-determined	-	-	-	
Post-Digestion Spikes	X		Laboratory-determined	-	-	-	
Internal Standards	X		Laboratory-determined	-	-	-	
Laboratory Duplicate (RPD)	X		Laboratory-determined	-	-	-	
Method Blanks	X		Laboratory-determined	-	-	-	
Evaluate Completeness (# usable measurements/ # unusable measurements)							
Completeness	X		100%	X			

Other instances of nonconformance to QC control limits noted on case narrative:

None.

Comments:

None.

Data Verification & Validation Report

Lansing Board of Water & Light – Erickson Power Station

Sampling Event (dates and purpose): T2 MNA Nitrogen Species Sampling

Data Package Number: Lab Report Date: 4/10/2026

Data Validator: Andrew Byks Data Validation Completion Date: 5/8/2026

General Overall Assessment:
_____ Data are usable without qualification.
__X__ Data are usable with qualification (as noted below).
_____ Some or all data are unusable (as noted below).

Wells planned for sampling:

Well ID	Planned for Sampling	Well ID	Planned for Sampling
MW-1		MW-17A	
MW-2		MW-17B	
MW-3		MW-17C	
MW-4		MW-17D	
MW-5		MW-17E	
MW-6		MW-18A	
MW-7		MW-18B	X
MW-7B		MW-18C	X
MW-7C		MW-18D	
MW-7D		MW-19A	
MW-8		MW-19B	
MW-9		MW-19C	
MW-10		MW-19D	
MW-11		MW-100A	
MW-11B		MW-100B	
MW-12		MW-100C	
MW-12B		MW-100D	
MW-13			
MW-14			
MW-15			
MW-16A			
MW-16B			
MW-16C			
MW-16D			

Data Summary

Sample ID	Matrix	Lab ID	Date Collected	App III Metals	App IV Metals	Part 115 Metals	Anions	TDS TSS	Rad-226 Rad-228	Diss. Metals
MW-18B	GW	240-247244-1	4/1/2026							
MW-18C	GW	240-247244-2	4/1/2026							
MWT-18B	GW	240-247244-3	4/1/2026							
Field Blank	GW	240-247244-4	4/1/2026							

Other analytes requested for analysis: TOC, Nitrate/Nitrite as N

Any planned sampling or analysis NOT completed? If yes, explain:

Data Verification & Validation Checklist

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Field Data							
Sample Collection Field Forms	X		Purging performed as required in the Groundwater Monitoring Plan	X			
Field Calibration Records	X		Field instruments calibrated daily according to manufacturer specifications	X			
Chain of Custody	X		Accurately reflect samples, collection dates/times, analyses, bottles, etc.	X			
Field decontamination documentation	X		Record of decontamination for non-dedicated sampling equipment	X			
Drilling logs	X		N/A	-	-	-	
Well construction logs	X		N/A	-	-	-	
Well development field forms	X		N/A	-	-	-	
Analytical Data Package							
Cover Sheet	X		N/A	-	-	-	
Case Narrative	X		Summarizes sample receipt and any exceptions to QC acceptance criteria	X			
Internal Laboratory Chain of Custody forms	X		Analyses as requested; accurate transcription of field COC		X		
Sample Chronology and Consistency	X		Accurate representation of dates, times of receipt, preparation, and analysis	X			
Communication Records with Lab	X		N/A	-	-	-	
EDD Format Consistency	X		EDD format and content as requested	X			
Sample Identification, Results Nomenclature, and Data Qualifier Consistency	X		All included in final report	X			
Method Detection Limit Consistency	X		MDLs consistent between samples		X		Multiple samples require dilution for analysis.
Instrument Calibration Records	X		Present and no nonconformance noted	X			
Laboratory Report Complete	X		Includes QC component	X			
Holding Times	X		Analyses performed within allowed holding time	X			

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Method	X		Method as requested		X		
Reporting Limits	X		RLs as requested	X			
			MDLs<RLs	X			
			MDLs<MCLs	X			
			MDLs<GPS	X			
QC Validation							
Evaluate Accuracy							
Matrix Spike (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Laboratory Control Sample (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Evaluate Precision							
Matrix Spike Duplicate (RPD)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Field Duplicate (RPD)	X		RPD ≤ 20%		X		RPD of nitrate was 30%.
Evaluate Representativeness							
Equipment Blanks (if applicable)	X		Non-detect (<RL)	X			
QC Verification							
Verify Instrument Calibration & Analytical Process							
Initial Calibration Verification	X		Laboratory-determined	-	-	-	
Continuing Calibration Verification	X		Laboratory-determined	-	-	-	
Initial Calibration Blank	X		Laboratory-determined	-	-	-	
Continuing Calibration Blank	X		Laboratory-determined	-	-	-	
Serial Dilutions	X		Laboratory-determined	-	-	-	
Post-Digestion Spikes	X		Laboratory-determined	-	-	-	
Internal Standards	X		Laboratory-determined	-	-	-	
Laboratory Duplicate (RPD)	X		Laboratory-determined	-	-	-	
Method Blanks	X		Laboratory-determined	-	-	-	
Evaluate Completeness (# usable measurements/ # unusable measurements)							
Completeness	X		100%	X			

Other instances of nonconformance to QC control limits noted on case narrative:

None.

Comments:

The RPD of nitrate between parent sample MW-18B and field duplicate MWT-18B was 30%. Nitrate required qualification as estimated with high bias (J+) in parent sample MW-18B and as estimated with low bias (J-) in field duplicate MWT-18.

Appendix E

Statistical Output Reports

Table 1: Summary Statistics, Non-Detects Included

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
11_2_105	MW-2	Appendix III	Boron	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	4.52	4.61	2.40	6.17	1.10	0.242	-0.151
11_2_107	MW-2	Appendix III	Calcium	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Nonparametric	Nonparametric	231	237	180	272	33.5	0.145	-0.135
11_2_108	MW-2	Appendix III	Chloride	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	78.1	81.0	57.0	94.0	10.5	0.134	-0.597
11_2_112	MW-2	Appendix III	Fluoride	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.858	1.00	0.0450	1.00	0.347	0.404	-2.12
11_2_120	MW-2	Appendix III	pH, Field	su	22	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	6.76	6.75	6.54	7.08	0.105	0.0156	0.961
11_2_124	MW-2	Appendix III	Sulfate	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	395	386	170	586	137	0.347	-0.0836
11_2_126	MW-2	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1158	1180	860	1430	189	0.163	-0.0870
11_3_101	MW-2	Appendix IV	Antimony	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00434	0.00500	0.000570	0.00500	0.00162	0.374	-2.12
11_3_102	MW-2	Appendix IV	Arsenic	mg/l	20	15	75%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Nonparametric	0.00198	0.00200	0.000750	0.00400	0.000685	0.346	0.890
11_3_103	MW-2	Appendix IV	Barium	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0401	0.0405	0.0340	0.0480	0.00375	0.0936	0.152
11_3_104	MW-2	Appendix IV	Beryllium	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.000891	0.00100	0.000270	0.00100	0.000267	0.300	-2.12
11_3_106	MW-2	Appendix IV	Cadmium	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.000441	0.000500	0.0000990	0.000500	0.000143	0.324	-2.13
11_3_109	MW-2	Appendix IV	Chromium	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00443	0.00500	0.00120	0.00500	0.00139	0.314	-2.12
11_3_110	MW-2	Appendix IV	Cobalt	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.00481	0.00500	0.00360	0.00500	0.000480	0.0998	-2.18
11_3_113	MW-2	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.858	1.00	0.0450	1.00	0.347	0.404	-2.12
11_3_115	MW-2	Appendix IV	Lead	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00262	0.00300	0.000450	0.00300	0.000934	0.357	-2.12
11_3_116	MW-2	Appendix IV	Lithium	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0528	0.0540	0.0370	0.0700	0.0101	0.190	-0.0654
11_3_117	MW-2	Appendix IV	Mercury	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.000189	0.000200	0.000130	0.000200	0.0000256	0.135	-2.12
11_3_118	MW-2	Appendix IV	Molybdenum	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0105	0.0105	0.00640	0.0150	0.00230	0.218	-0.0921
11_3_121	MW-2	Appendix IV	Radium-226+228	pci/l	20	3	15%	2020-04-28 to 2026-02-10	Normal	Normal	0.879	0.668	0	3.25	0.795	0.905	1.64
11_3_122	MW-2	Appendix IV	Selenium	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00438	0.00500	0.000890	0.00500	0.00151	0.343	-2.12
11_3_125	MW-2	Appendix IV	Thallium	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00178	0.00200	0.000510	0.00200	0.000546	0.307	-2.12
11_5_111	MW-2	Part 115	Copper	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00451	0.00500	0.00170	0.00500	0.00121	0.268	-2.12
11_5_114	MW-2	Part 115	Iron	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal	Gamma	0.652	0.545	0.220	1.93	0.396	0.608	2.01
11_5_119	MW-2	Part 115	Nickel	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0208	0.0210	0.0110	0.0270	0.00542	0.261	-0.371
11_5_123	MW-2	Part 115	Silver	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.000433	0.000500	0.0000530	0.000500	0.000164	0.378	-2.12
11_5_128	MW-2	Part 115	Vanadium	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00437	0.00500	0.000820	0.00500	0.00153	0.350	-2.12
11_5_129	MW-2	Part 115	Zinc	mg/l	20	14	70%	2020-04-28 to 2026-02-10	Gamma; Lognormal	Nonparametric	0.00654	0.00500	0.00180	0.0410	0.00822	1.26	4.27
12_2_105	MW-3	Appendix III	Boron	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	5.63	5.63	5.00	6.16	0.309	0.0549	-0.376
12_2_107	MW-3	Appendix III	Calcium	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	240	243	220	257	14.5	0.0602	-0.417
12_2_108	MW-3	Appendix III	Chloride	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	96.3	95.0	89.0	103	4.87	0.0506	-0.112
12_2_112	MW-3	Appendix III	Fluoride	mg/l	11	8	73%	2021-05-04 to 2026-02-10		Nonparametric	0.771	1.00	0.130	1.00	0.393	0.509	-1.19
12_2_120	MW-3	Appendix III	pH, Field	su	13	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.24	7.24	7.15	7.38	0.0689	0.00951	0.495
12_2_124	MW-3	Appendix III	Sulfate	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	694	690	640	732	27.9	0.0402	-0.295
12_2_126	MW-3	Appendix III	Total Dissolved Solids	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Nonparametric	Nonparametric	1387	1440	1100	1500	130	0.0940	-1.48
12_3_101	MW-3	Appendix IV	Antimony	mg/l	11	11	100%	2021-05-04 to 2026-02-10		Nonparametric	0.00379	0.00500	0.000570	0.00500	0.00207	0.546	-1.19
12_3_102	MW-3	Appendix IV	Arsenic	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Nonparametric	Nonparametric	0.00328	0.00300	0.00240	0.00600	0.000983	0.299	2.49
12_3_103	MW-3	Appendix IV	Barium	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0180	0.0190	0.0130	0.0210	0.00245	0.136	-0.649
12_3_104	MW-3	Appendix IV	Beryllium	mg/l	11	11	100%	2021-05-04 to 2026-02-10		Nonparametric	0.000801	0.00100	0.000270	0.00100	0.000341	0.426	-1.19
12_3_106	MW-3	Appendix IV	Cadmium	mg/l	11	11	100%	2021-05-04 to 2026-02-10		Nonparametric	0.000385	0.000500	0.0000770	0.000500	0.000198	0.514	-1.19
12_3_109	MW-3	Appendix IV	Chromium	mg/l	11	11	100%	2021-05-04 to 2026-02-10		Nonparametric	0.00396	0.00500	0.00120	0.00500	0.00177	0.448	-1.19
12_3_110	MW-3	Appendix IV	Cobalt	mg/l	11	8	73%	2021-05-04 to 2026-02-10		Nonparametric	0.00378	0.00500	0.000430	0.00500	0.00209	0.552	-1.19

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
12_3_113	MW-3	Appendix IV	Fluoride (App IV)	mg/l	11	8	73%	2021-05-04 to 2026-02-10		Nonparametric	0.771	1.00	0.130	1.00	0.393	0.509	-1.19
12_3_115	MW-3	Appendix IV	Lead	mg/l	11	10	91%	2021-05-04 to 2026-02-10		Nonparametric	0.00232	0.00300	0.000450	0.00300	0.00116	0.498	-1.20
12_3_116	MW-3	Appendix IV	Lithium	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0807	0.0800	0.0740	0.0910	0.00544	0.0674	0.496
12_3_117	MW-3	Appendix IV	Mercury	mg/l	12	11	92%	2021-05-04 to 2026-02-10		Nonparametric	0.000166	0.000200	0.000000220	0.000200	0.0000608	0.366	-2.12
12_3_118	MW-3	Appendix IV	Molybdenum	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.161	0.162	0.150	0.182	0.0107	0.0667	0.805
12_3_121	MW-3	Appendix IV	Radium-226+228	pci/l	11	3	27%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1.31	1.04	0.412	2.92	0.822	0.628	1.07
12_3_122	MW-3	Appendix IV	Selenium	mg/l	11	11	100%	2021-05-04 to 2026-02-10		Nonparametric	0.00388	0.00500	0.000890	0.00500	0.00192	0.495	-1.19
12_3_125	MW-3	Appendix IV	Thallium	mg/l	11	11	100%	2021-05-04 to 2026-02-10		Nonparametric	0.00159	0.00200	0.000510	0.00200	0.000696	0.437	-1.19
12_5_111	MW-3	Part 115	Copper	mg/l	11	10	91%	2021-05-04 to 2026-02-10		Nonparametric	0.00421	0.00500	0.00170	0.00500	0.00139	0.330	-1.36
12_5_114	MW-3	Part 115	Iron	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1.78	1.80	1.40	2.05	0.218	0.122	-0.340
12_5_119	MW-3	Part 115	Nickel	mg/l	11	8	73%	2021-05-04 to 2026-02-10		Nonparametric	0.00439	0.00500	0.00220	0.00500	0.00107	0.243	-1.38
12_5_123	MW-3	Part 115	Silver	mg/l	11	11	100%	2021-05-04 to 2026-02-10		Nonparametric	0.000378	0.000500	0.0000530	0.000500	0.000209	0.552	-1.19
12_5_128	MW-3	Part 115	Vanadium	mg/l	11	11	100%	2021-05-04 to 2026-02-10		Nonparametric	0.00386	0.00500	0.000820	0.00500	0.00195	0.506	-1.19
12_5_129	MW-3	Part 115	Zinc	mg/l	11	8	73%	2021-05-04 to 2026-02-10		Nonparametric	0.00413	0.00500	0.00130	0.00500	0.00151	0.366	-1.27
13_2_105	MW-5	Appendix III	Boron	mg/l	19	0	0%	2020-04-28 to 2026-02-11	Normal	Normal	3.87	4.29	0.370	5.19	1.19	0.307	-1.43
13_2_107	MW-5	Appendix III	Calcium	mg/l	19	0	0%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	211	223	70.1	320	69.3	0.328	-0.243
13_2_108	MW-5	Appendix III	Chloride	mg/l	19	0	0%	2020-04-28 to 2026-02-11	Nonparametric	Nonparametric	60.0	66.0	34.0	82.0	17.8	0.296	-0.345
13_2_112	MW-5	Appendix III	Fluoride	mg/l	20	17	85%	2020-04-28 to 2026-02-11		Nonparametric	0.868	1.00	0.100	1.00	0.324	0.373	-2.13
13_2_120	MW-5	Appendix III	pH, Field	su	22	0	0%	2020-04-28 to 2026-02-11	Nonparametric	Nonparametric	7.23	7.26	6.40	7.45	0.206	0.0285	-3.27
13_2_124	MW-5	Appendix III	Sulfate	mg/l	19	0	0%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	570	581	186	1170	292	0.513	0.384
13_2_126	MW-5	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	1176	1220	540	1960	442	0.376	0.111
13_3_101	MW-5	Appendix IV	Antimony	mg/l	20	20	100%	2020-04-28 to 2026-02-11		Nonparametric	0.00434	0.00500	0.000570	0.00500	0.00162	0.374	-2.12
13_3_102	MW-5	Appendix IV	Arsenic	mg/l	20	13	65%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Nonparametric	0.00237	0.00200	0.000750	0.00700	0.00146	0.618	2.05
13_3_103	MW-5	Appendix IV	Barium	mg/l	20	0	0%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0450	0.0430	0.0330	0.0640	0.00770	0.171	0.958
13_3_104	MW-5	Appendix IV	Beryllium	mg/l	20	20	100%	2020-04-28 to 2026-02-11		Nonparametric	0.000891	0.00100	0.000270	0.00100	0.000267	0.300	-2.12
13_3_106	MW-5	Appendix IV	Cadmium	mg/l	20	19	95%	2020-04-28 to 2026-02-11		Nonparametric	0.000437	0.000500	0.0000770	0.000500	0.000153	0.350	-2.12
13_3_109	MW-5	Appendix IV	Chromium	mg/l	20	17	85%	2020-04-28 to 2026-02-11		Nonparametric	0.00479	0.00500	0.00120	0.0100	0.00192	0.401	0.173
13_3_110	MW-5	Appendix IV	Cobalt	mg/l	20	16	80%	2020-04-28 to 2026-02-11		Nonparametric	0.00436	0.00500	0.000310	0.00600	0.00172	0.393	-2.04
13_3_113	MW-5	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	2020-04-28 to 2026-02-11		Nonparametric	0.868	1.00	0.100	1.00	0.324	0.373	-2.13
13_3_115	MW-5	Appendix IV	Lead	mg/l	20	15	75%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Nonparametric	0.00328	0.00300	0.000450	0.0140	0.00273	0.833	3.37
13_3_116	MW-5	Appendix IV	Lithium	mg/l	20	0	0%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0665	0.0695	0.0160	0.0910	0.0174	0.261	-1.21
13_3_117	MW-5	Appendix IV	Mercury	mg/l	20	20	100%	2020-04-28 to 2026-02-11		Nonparametric	0.000189	0.000200	0.000130	0.000200	0.0000256	0.135	-2.12
13_3_118	MW-5	Appendix IV	Molybdenum	mg/l	20	0	0%	2020-04-28 to 2026-02-11	Gamma; Normal	Gamma	0.0570	0.0545	0.0100	0.0960	0.0197	0.346	-0.262
13_3_121	MW-5	Appendix IV	Radium-226+228	pci/l	20	3	15%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	1.61	1.45	0.524	4.22	1.05	0.655	1.35
13_3_122	MW-5	Appendix IV	Selenium	mg/l	20	19	95%	2020-04-28 to 2026-02-11		Nonparametric	0.00439	0.00500	0.000890	0.00500	0.00150	0.341	-2.12
13_3_125	MW-5	Appendix IV	Thallium	mg/l	20	20	100%	2020-04-28 to 2026-02-11		Nonparametric	0.00178	0.00200	0.000510	0.00200	0.000546	0.307	-2.12
13_5_111	MW-5	Part 115	Copper	mg/l	20	13	65%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Nonparametric	0.00681	0.00500	0.00170	0.0260	0.00585	0.860	2.50
13_5_114	MW-5	Part 115	Iron	mg/l	20	1	5%	2020-04-28 to 2026-02-11	Gamma; Lognormal	Gamma	1.29	0.580	0.0200	8.00	1.91	1.48	2.77
13_5_119	MW-5	Part 115	Nickel	mg/l	20	0	0%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.00942	0.0100	0.00330	0.0190	0.00424	0.450	0.475
13_5_123	MW-5	Part 115	Silver	mg/l	20	19	95%	2020-04-28 to 2026-02-11		Nonparametric	0.000435	0.000500	0.0000530	0.000500	0.000160	0.367	-2.13
13_5_128	MW-5	Part 115	Vanadium	mg/l	20	15	75%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Nonparametric	0.00496	0.00500	0.000820	0.0120	0.00242	0.488	0.968
13_5_129	MW-5	Part 115	Zinc	mg/l	20	3	15%	2020-04-28 to 2026-02-11	Gamma; Lognormal	Gamma	0.0163	0.00650	0.00340	0.0980	0.0226	1.39	2.89

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
14_2_105	MW-6	Appendix III	Boron	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.784	0.760	0.490	1.09	0.171	0.219	0.193
14_2_107	MW-6	Appendix III	Calcium	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	171	170	142	200	19.2	0.112	-0.0808
14_2_108	MW-6	Appendix III	Chloride	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	35.3	37.0	24.0	49.0	7.81	0.221	0.123
14_2_112	MW-6	Appendix III	Fluoride	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.883	1.00	0.200	1.00	0.285	0.322	-2.13
14_2_120	MW-6	Appendix III	pH, Field	su	22	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	6.73	6.72	6.35	7.11	0.153	0.0228	0.139
14_2_124	MW-6	Appendix III	Sulfate	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	183	180	118	264	48.0	0.263	0.353
14_2_126	MW-6	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	763	780	598	900	92.5	0.121	-0.0802
14_3_101	MW-6	Appendix IV	Antimony	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00434	0.00500	0.000570	0.00500	0.00162	0.374	-2.12
14_3_102	MW-6	Appendix IV	Arsenic	mg/l	20	18	90%	2020-04-28 to 2026-02-10		Nonparametric	0.00186	0.00200	0.000750	0.00300	0.000529	0.284	-1.04
14_3_103	MW-6	Appendix IV	Barium	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0488	0.0500	0.0380	0.0620	0.00591	0.121	0.221
14_3_104	MW-6	Appendix IV	Beryllium	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.000891	0.00100	0.000270	0.00100	0.000267	0.300	-2.12
14_3_106	MW-6	Appendix IV	Cadmium	mg/l	20	19	95%	2020-04-28 to 2026-02-10		Nonparametric	0.000440	0.000500	0.0000770	0.000500	0.000147	0.333	-2.16
14_3_109	MW-6	Appendix IV	Chromium	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00443	0.00500	0.00120	0.00500	0.00139	0.314	-2.12
14_3_110	MW-6	Appendix IV	Cobalt	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.00432	0.00500	0.000340	0.00500	0.00167	0.387	-2.12
14_3_113	MW-6	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.883	1.00	0.200	1.00	0.285	0.322	-2.13
14_3_115	MW-6	Appendix IV	Lead	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00262	0.00300	0.000450	0.00300	0.000934	0.357	-2.12
14_3_116	MW-6	Appendix IV	Lithium	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0476	0.0475	0.0320	0.0670	0.00849	0.178	0.289
14_3_117	MW-6	Appendix IV	Mercury	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.000189	0.000200	0.000130	0.000200	0.0000256	0.135	-2.12
14_3_118	MW-6	Appendix IV	Molybdenum	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0239	0.0245	0.0120	0.0360	0.00616	0.258	-0.395
14_3_121	MW-6	Appendix IV	Radium-226+228	pci/l	20	3	15%	2020-04-28 to 2026-02-10	Normal	Normal	1.16	0.859	0	4.29	0.970	0.840	1.99
14_3_122	MW-6	Appendix IV	Selenium	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00438	0.00500	0.000890	0.00500	0.00151	0.343	-2.12
14_3_125	MW-6	Appendix IV	Thallium	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00178	0.00200	0.000510	0.00200	0.000546	0.307	-2.12
14_5_111	MW-6	Part 115	Copper	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00451	0.00500	0.00170	0.00500	0.00121	0.268	-2.12
14_5_114	MW-6	Part 115	Iron	mg/l	20	9	45%	2020-04-28 to 2026-02-10	Gamma; Lognormal	Gamma	0.0380	0.0200	0.0130	0.200	0.0421	1.11	3.36
14_5_119	MW-6	Part 115	Nickel	mg/l	20	5	25%	2020-04-28 to 2026-02-10	Nonparametric	Nonparametric	0.00564	0.00600	0.00190	0.00800	0.00161	0.286	-0.862
14_5_123	MW-6	Part 115	Silver	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.000433	0.000500	0.0000530	0.000500	0.000164	0.378	-2.12
14_5_128	MW-6	Part 115	Vanadium	mg/l	20	20	100%	2020-04-28 to 2026-02-10		Nonparametric	0.00437	0.00500	0.000820	0.00500	0.00153	0.350	-2.12
14_5_129	MW-6	Part 115	Zinc	mg/l	20	16	80%	2020-04-28 to 2026-02-10		Nonparametric	0.00594	0.00500	0.00120	0.0340	0.00672	1.13	4.20
15_2_105	MW-7	Appendix III	Boron	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	1.86	1.88	1.08	2.75	0.383	0.206	0.127
15_2_107	MW-7	Appendix III	Calcium	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Nonparametric	Nonparametric	117	110	97.2	165	17.7	0.152	1.80
15_2_108	MW-7	Appendix III	Chloride	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	79.4	78.0	72.2	98.0	6.91	0.0870	1.37
15_2_112	MW-7	Appendix III	Fluoride	mg/l	16	11	69%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Nonparametric	0.799	1.00	0.300	1.00	0.308	0.386	-0.915
15_2_120	MW-7	Appendix III	pH, Field	su	19	0	0%	2021-06-15 to 2026-04-21	Gamma; Lognormal	Gamma	7.42	7.40	7.09	8.18	0.231	0.0311	1.80
15_2_124	MW-7	Appendix III	Sulfate	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	200	190	171	270	28.4	0.142	1.61
15_2_126	MW-7	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	2021-06-15 to 2026-04-21	Nonparametric	Nonparametric	623	601	548	864	79.2	0.127	2.38
15_3_101	MW-7	Appendix IV	Antimony	mg/l	16	16	100%	2021-06-15 to 2026-02-11		Nonparametric	0.00417	0.00500	0.000570	0.00500	0.00179	0.428	-1.77
15_3_102	MW-7	Appendix IV	Arsenic	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Normal	Normal	0.00522	0.00565	0.00270	0.00700	0.00114	0.218	-0.782
15_3_103	MW-7	Appendix IV	Barium	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0526	0.0530	0.0360	0.0620	0.00631	0.120	-0.970
15_3_104	MW-7	Appendix IV	Beryllium	mg/l	16	16	100%	2021-06-15 to 2026-02-11		Nonparametric	0.000863	0.00100	0.000270	0.00100	0.000294	0.341	-1.77
15_3_106	MW-7	Appendix IV	Cadmium	mg/l	16	15	94%	2021-06-15 to 2026-02-11		Nonparametric	0.000423	0.000500	0.0000770	0.000500	0.000165	0.390	-1.78
15_3_109	MW-7	Appendix IV	Chromium	mg/l	16	15	94%	2021-06-15 to 2026-02-11		Nonparametric	0.00441	0.00500	0.00120	0.00700	0.00167	0.378	-1.31
15_3_110	MW-7	Appendix IV	Cobalt	mg/l	16	13	81%	2021-06-15 to 2026-02-11		Nonparametric	0.00410	0.00500	0.000160	0.00500	0.00194	0.473	-1.77

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
15_3_113	MW-7	Appendix IV	Fluoride (App IV)	mg/l	16	11	69%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Nonparametric	0.799	1.00	0.300	1.00	0.308	0.386	-0.915
15_3_115	MW-7	Appendix IV	Lead	mg/l	16	16	100%	2021-06-15 to 2026-02-11		Nonparametric	0.00252	0.00300	0.000450	0.00300	0.00103	0.408	-1.77
15_3_116	MW-7	Appendix IV	Lithium	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0876	0.0875	0.0630	0.112	0.0130	0.148	-0.0245
15_3_117	MW-7	Appendix IV	Mercury	mg/l	16	15	94%	2021-06-15 to 2026-02-11		Nonparametric	0.000187	0.000200	0.000130	0.000200	0.0000282	0.151	-1.77
15_3_118	MW-7	Appendix IV	Molybdenum	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Nonparametric	Nonparametric	0.223	0.228	0.146	0.296	0.0601	0.269	-0.0340
15_3_121	MW-7	Appendix IV	Radium-226+228	pci/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	2.02	1.81	0.514	5.44	1.46	0.724	1.28
15_3_122	MW-7	Appendix IV	Selenium	mg/l	16	16	100%	2021-06-15 to 2026-02-11		Nonparametric	0.00423	0.00500	0.000890	0.00500	0.00166	0.392	-1.77
15_3_125	MW-7	Appendix IV	Thallium	mg/l	16	15	94%	2021-06-15 to 2026-02-11		Nonparametric	0.00173	0.00200	0.000510	0.00200	0.000577	0.333	-1.79
15_5_111	MW-7	Part 115	Copper	mg/l	16	16	100%	2021-06-15 to 2026-02-11		Nonparametric	0.00438	0.00500	0.00170	0.00500	0.00133	0.304	-1.77
15_5_114	MW-7	Part 115	Iron	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal	Gamma	1.40	1.32	0.900	2.81	0.449	0.322	2.26
15_5_119	MW-7	Part 115	Nickel	mg/l	16	16	100%	2021-06-15 to 2026-02-11		Nonparametric	0.00434	0.00500	0.00150	0.00500	0.00141	0.325	-1.77
15_5_123	MW-7	Part 115	Silver	mg/l	16	16	100%	2021-06-15 to 2026-02-11		Nonparametric	0.000416	0.000500	0.0000530	0.000500	0.000180	0.433	-1.77
15_5_128	MW-7	Part 115	Vanadium	mg/l	16	15	94%	2021-06-15 to 2026-02-11		Nonparametric	0.00428	0.00500	0.000820	0.00600	0.00173	0.405	-1.67
15_5_129	MW-7	Part 115	Zinc	mg/l	16	12	75%	2021-06-15 to 2026-02-11		Nonparametric	0.00507	0.00500	0.000930	0.0140	0.00301	0.593	1.48
16_2_105	MW-7C	Appendix III	Boron	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	6.52	6.50	5.90	7.24	0.295	0.0453	0.373
16_2_107	MW-7C	Appendix III	Calcium	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	236	241	183	277	20.7	0.0878	-0.810
16_2_108	MW-7C	Appendix III	Chloride	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	92.5	93.0	83.0	105	5.42	0.0586	0.677
16_2_112	MW-7C	Appendix III	Fluoride	mg/l	15	12	80%	2022-03-10 to 2026-02-10		Nonparametric	0.854	1.00	0.240	1.00	0.302	0.354	-1.68
16_2_120	MW-7C	Appendix III	pH, Field	su	17	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.35	7.35	7.23	7.51	0.0846	0.0115	0.394
16_2_124	MW-7C	Appendix III	Sulfate	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	678	668	630	751	36.4	0.0538	0.749
16_2_126	MW-7C	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Normal	Normal	1335	1360	1100	1500	102	0.0761	-0.888
16_3_101	MW-7C	Appendix IV	Antimony	mg/l	15	15	100%	2022-03-10 to 2026-02-10		Nonparametric	0.00411	0.00500	0.000570	0.00500	0.00183	0.446	-1.67
16_3_102	MW-7C	Appendix IV	Arsenic	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal	Gamma	0.00635	0.00600	0.00450	0.0100	0.00126	0.198	1.65
16_3_103	MW-7C	Appendix IV	Barium	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0419	0.0420	0.0370	0.0470	0.00294	0.0701	0.0363
16_3_104	MW-7C	Appendix IV	Beryllium	mg/l	15	15	100%	2022-03-10 to 2026-02-10		Nonparametric	0.000854	0.00100	0.000270	0.00100	0.000302	0.354	-1.67
16_3_106	MW-7C	Appendix IV	Cadmium	mg/l	15	11	73%	2022-03-10 to 2026-02-10		Nonparametric	0.000481	0.000500	0.0000770	0.000900	0.000233	0.484	-0.315
16_3_109	MW-7C	Appendix IV	Chromium	mg/l	15	15	100%	2022-03-10 to 2026-02-10		Nonparametric	0.00424	0.00500	0.00120	0.00500	0.00157	0.371	-1.67
16_3_110	MW-7C	Appendix IV	Cobalt	mg/l	15	14	93%	2022-03-10 to 2026-02-10		Nonparametric	0.00402	0.00500	0.0000860	0.00500	0.00202	0.502	-1.67
16_3_113	MW-7C	Appendix IV	Fluoride (App IV)	mg/l	15	12	80%	2022-03-10 to 2026-02-10		Nonparametric	0.854	1.00	0.240	1.00	0.302	0.354	-1.68
16_3_115	MW-7C	Appendix IV	Lead	mg/l	15	15	100%	2022-03-10 to 2026-02-10		Nonparametric	0.00249	0.00300	0.000450	0.00300	0.00106	0.424	-1.67
16_3_116	MW-7C	Appendix IV	Lithium	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.124	0.126	0.110	0.138	0.00895	0.0720	-0.403
16_3_117	MW-7C	Appendix IV	Mercury	mg/l	16	15	94%	2022-03-10 to 2026-02-10		Nonparametric	0.000174	0.000200	0.000000460	0.000200	0.0000542	0.311	-2.55
16_3_118	MW-7C	Appendix IV	Molybdenum	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.389	0.390	0.340	0.422	0.0240	0.0618	-0.703
16_3_121	MW-7C	Appendix IV	Radium-226+228	pci/l	15	1	7%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1.90	1.67	0.773	3.66	1.07	0.564	0.691
16_3_122	MW-7C	Appendix IV	Selenium	mg/l	15	15	100%	2022-03-10 to 2026-02-10		Nonparametric	0.00418	0.00500	0.000890	0.00500	0.00170	0.407	-1.67
16_3_125	MW-7C	Appendix IV	Thallium	mg/l	15	15	100%	2022-03-10 to 2026-02-10		Nonparametric	0.00170	0.00200	0.000510	0.00200	0.000617	0.362	-1.67
16_5_111	MW-7C	Part 115	Copper	mg/l	15	15	100%	2022-03-10 to 2026-02-10		Nonparametric	0.00434	0.00500	0.00170	0.00500	0.00137	0.315	-1.67
16_5_114	MW-7C	Part 115	Iron	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	3.95	4.02	2.80	4.41	0.395	0.0998	-1.78
16_5_119	MW-7C	Part 115	Nickel	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.00743	0.00700	0.00590	0.0100	0.000980	0.132	0.993
16_5_123	MW-7C	Part 115	Silver	mg/l	15	15	100%	2022-03-10 to 2026-02-10		Nonparametric	0.000411	0.000500	0.0000530	0.000500	0.000185	0.451	-1.67
16_5_128	MW-7C	Part 115	Vanadium	mg/l	15	15	100%	2022-03-10 to 2026-02-10		Nonparametric	0.00416	0.00500	0.000820	0.00500	0.00173	0.416	-1.67
16_5_129	MW-7C	Part 115	Zinc	mg/l	15	12	80%	2022-03-10 to 2026-02-10		Nonparametric	0.00436	0.00500	0.000930	0.00600	0.00154	0.353	-1.66

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
17_2_105	MW-8	Appendix III	Boron	mg/l	16	1	6%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0858	0.0800	0.0400	0.210	0.0425	0.495	1.76
17_2_107	MW-8	Appendix III	Calcium	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	94.8	94	86.5	110	6.51	0.0687	0.777
17_2_108	MW-8	Appendix III	Chloride	mg/l	16	2	12%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	21.1	14.5	4.45	66.0	18.6	0.884	1.54
17_2_112	MW-8	Appendix III	Fluoride	mg/l	16	12	75%	2021-06-15 to 2026-02-05		Nonparametric	0.763	1.00	0.0460	1.00	0.423	0.554	-1.28
17_2_120	MW-8	Appendix III	pH, Field	su	16	0	0%	2021-06-15 to 2026-02-05	Nonparametric	Nonparametric	7.15	7.11	6.99	7.78	0.190	0.0266	2.67
17_2_124	MW-8	Appendix III	Sulfate	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	24.4	21.7	11.0	52.0	12.2	0.499	1.16
17_2_126	MW-8	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	388	383	340	460	29.4	0.0757	0.900
17_3_101	MW-8	Appendix IV	Antimony	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00417	0.00500	0.000570	0.00500	0.00179	0.428	-1.77
17_3_102	MW-8	Appendix IV	Arsenic	mg/l	16	14	88%	2021-06-15 to 2026-02-05		Nonparametric	0.00181	0.00200	0.000750	0.00200	0.000433	0.239	-2.20
17_3_103	MW-8	Appendix IV	Barium	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0219	0.0215	0.0170	0.0280	0.00289	0.132	0.470
17_3_104	MW-8	Appendix IV	Beryllium	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.000866	0.00100	0.000270	0.00100	0.000289	0.334	-1.78
17_3_106	MW-8	Appendix IV	Cadmium	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.000429	0.000500	0.0000770	0.000500	0.000155	0.362	-1.90
17_3_109	MW-8	Appendix IV	Chromium	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00429	0.00500	0.00120	0.00500	0.00153	0.357	-1.77
17_3_110	MW-8	Appendix IV	Cobalt	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.00410	0.00500	0.0000860	0.00500	0.00194	0.474	-1.78
17_3_113	MW-8	Appendix IV	Fluoride (App IV)	mg/l	16	12	75%	2021-06-15 to 2026-02-05		Nonparametric	0.763	1.00	0.0460	1.00	0.423	0.554	-1.28
17_3_115	MW-8	Appendix IV	Lead	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00252	0.00300	0.000450	0.00300	0.00103	0.408	-1.77
17_3_116	MW-8	Appendix IV	Lithium	mg/l	16	6	38%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.00692	0.00550	0.00450	0.0130	0.00255	0.368	1.10
17_3_117	MW-8	Appendix IV	Mercury	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.000187	0.000200	0.000130	0.000200	0.0000282	0.151	-1.77
17_3_118	MW-8	Appendix IV	Molybdenum	mg/l	16	11	69%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	0.00570	0.00500	0.00200	0.0130	0.00263	0.461	2.0
17_3_121	MW-8	Appendix IV	Radium-226+228	pci/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.82	1.20	0.118	6.21	1.69	0.928	1.47
17_3_122	MW-8	Appendix IV	Selenium	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00423	0.00500	0.000890	0.00500	0.00166	0.392	-1.77
17_3_125	MW-8	Appendix IV	Thallium	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.00172	0.00200	0.000510	0.00200	0.000594	0.345	-1.77
17_5_111	MW-8	Part 115	Copper	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.00469	0.00500	0.00170	0.0100	0.00194	0.412	0.728
17_5_114	MW-8	Part 115	Iron	mg/l	16	13	81%	2021-06-15 to 2026-02-05		Nonparametric	0.0208	0.0200	0.0130	0.0450	0.00677	0.326	3.30
17_5_119	MW-8	Part 115	Nickel	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00434	0.00500	0.00150	0.00500	0.00141	0.325	-1.77
17_5_123	MW-8	Part 115	Silver	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.000416	0.000500	0.0000530	0.000500	0.000180	0.433	-1.77
17_5_128	MW-8	Part 115	Vanadium	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.00422	0.00500	0.000820	0.00500	0.00169	0.400	-1.77
17_5_129	MW-8	Part 115	Zinc	mg/l	16	14	88%	2021-06-15 to 2026-02-05		Nonparametric	0.00442	0.00500	0.000930	0.00700	0.00167	0.379	-1.35
18_2_105	MW-9	Appendix III	Boron	mg/l	16	14	88%	2021-06-15 to 2026-02-05		Nonparametric	0.0416	0.0400	0.0310	0.0570	0.00643	0.155	1.76
18_2_107	MW-9	Appendix III	Calcium	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	79.2	76.9	61.8	100	12.5	0.157	0.430
18_2_108	MW-9	Appendix III	Chloride	mg/l	16	10	62%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	4.51	5.00	1.11	6.10	1.33	0.294	-1.69
18_2_112	MW-9	Appendix III	Fluoride	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.757	1.00	0.0240	1.00	0.435	0.576	-1.28
18_2_120	MW-9	Appendix III	pH, Field	su	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	7.28	7.28	7.05	7.74	0.177	0.0242	1.00
18_2_124	MW-9	Appendix III	Sulfate	mg/l	16	8	50%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	7.08	5.00	3.58	16.0	3.61	0.510	1.44
18_2_126	MW-9	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	276	262	232	360	41.0	0.149	1.10
18_3_101	MW-9	Appendix IV	Antimony	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00417	0.00500	0.000570	0.00500	0.00179	0.428	-1.77
18_3_102	MW-9	Appendix IV	Arsenic	mg/l	16	14	88%	2021-06-15 to 2026-02-05		Nonparametric	0.00185	0.00200	0.000750	0.00300	0.000552	0.299	-0.689
18_3_103	MW-9	Appendix IV	Barium	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0152	0.0150	0.0130	0.0200	0.00201	0.132	0.837
18_3_104	MW-9	Appendix IV	Beryllium	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.000864	0.00100	0.000270	0.00100	0.000293	0.339	-1.77
18_3_106	MW-9	Appendix IV	Cadmium	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.000426	0.000500	0.0000770	0.000500	0.000160	0.376	-1.82
18_3_109	MW-9	Appendix IV	Chromium	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00429	0.00500	0.00120	0.00500	0.00153	0.357	-1.77
18_3_110	MW-9	Appendix IV	Cobalt	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.00408	0.00500	0.0000860	0.00500	0.00197	0.483	-1.77

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
18_3_113	MW-9	Appendix IV	Fluoride (App IV)	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.757	1.00	0.0240	1.00	0.435	0.576	-1.28
18_3_115	MW-9	Appendix IV	Lead	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00252	0.00300	0.000450	0.00300	0.00103	0.408	-1.77
18_3_116	MW-9	Appendix IV	Lithium	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00501	0.00500	0.00340	0.0100	0.00148	0.294	2.64
18_3_117	MW-9	Appendix IV	Mercury	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.000187	0.000200	0.000130	0.000200	0.0000282	0.151	-1.77
18_3_118	MW-9	Appendix IV	Molybdenum	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00427	0.00500	0.00110	0.00500	0.00157	0.368	-1.77
18_3_121	MW-9	Appendix IV	Radium-226+228	pci/l	16	0	0%	2021-06-15 to 2026-02-05	Normal	Normal	1.08	0.952	0	2.37	0.779	0.721	0.356
18_3_122	MW-9	Appendix IV	Selenium	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00423	0.00500	0.000890	0.00500	0.00166	0.392	-1.77
18_3_125	MW-9	Appendix IV	Thallium	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00172	0.00200	0.000510	0.00200	0.000601	0.349	-1.77
18_5_111	MW-9	Part 115	Copper	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00438	0.00500	0.00170	0.00500	0.00133	0.304	-1.77
18_5_114	MW-9	Part 115	Iron	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.0187	0.0200	0.0130	0.0200	0.00282	0.151	-1.77
18_5_119	MW-9	Part 115	Nickel	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00434	0.00500	0.00150	0.00500	0.00141	0.325	-1.77
18_5_123	MW-9	Part 115	Silver	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.000416	0.000500	0.0000530	0.000500	0.000180	0.433	-1.77
18_5_128	MW-9	Part 115	Vanadium	mg/l	16	16	100%	2021-06-15 to 2026-02-05		Nonparametric	0.00422	0.00500	0.000820	0.00500	0.00169	0.400	-1.77
18_5_129	MW-9	Part 115	Zinc	mg/l	16	14	88%	2021-06-15 to 2026-02-05		Nonparametric	0.00450	0.00500	0.000930	0.00900	0.00199	0.443	-0.336
19_2_105	MW-10	Appendix III	Boron	mg/l	16	1	6%	2021-06-15 to 2026-02-04	Lognormal; Normal	Lognormal	0.0523	0.0500	0.0400	0.0700	0.00827	0.158	0.274
19_2_107	MW-10	Appendix III	Calcium	mg/l	16	0	0%	2021-06-15 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	126	128	110	142	9.90	0.0784	0.0392
19_2_108	MW-10	Appendix III	Chloride	mg/l	16	9	56%	2021-06-15 to 2026-02-04	Gamma; Lognormal	Nonparametric	4.26	5.00	1.03	9.30	2.17	0.509	0.255
19_2_112	MW-10	Appendix III	Fluoride	mg/l	16	12	75%	2021-06-15 to 2026-02-04		Nonparametric	0.765	1.00	0.0480	1.00	0.420	0.548	-1.28
19_2_120	MW-10	Appendix III	pH, Field	su	16	0	0%	2021-06-15 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	6.74	6.71	6.49	7.30	0.197	0.0292	1.41
19_2_124	MW-10	Appendix III	Sulfate	mg/l	16	0	0%	2021-06-15 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	14.7	14.2	8.90	27.8	4.63	0.316	1.37
19_2_126	MW-10	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	2021-06-15 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	423	430	340	494	44.4	0.105	-0.203
19_3_101	MW-10	Appendix IV	Antimony	mg/l	16	16	100%	2021-06-15 to 2026-02-04		Nonparametric	0.00417	0.00500	0.000570	0.00500	0.00179	0.428	-1.77
19_3_102	MW-10	Appendix IV	Arsenic	mg/l	16	14	88%	2021-06-15 to 2026-02-04		Nonparametric	0.00178	0.00200	0.000750	0.00200	0.000479	0.269	-1.80
19_3_103	MW-10	Appendix IV	Barium	mg/l	16	0	0%	2021-06-15 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0384	0.0390	0.0290	0.0470	0.00521	0.136	-0.315
19_3_104	MW-10	Appendix IV	Beryllium	mg/l	16	16	100%	2021-06-15 to 2026-02-04		Nonparametric	0.000863	0.00100	0.000270	0.00100	0.000294	0.341	-1.77
19_3_106	MW-10	Appendix IV	Cadmium	mg/l	16	14	88%	2021-06-15 to 2026-02-04		Nonparametric	0.000430	0.000500	0.0000770	0.000500	0.000153	0.356	-1.87
19_3_109	MW-10	Appendix IV	Chromium	mg/l	16	16	100%	2021-06-15 to 2026-02-04		Nonparametric	0.00429	0.00500	0.00120	0.00500	0.00153	0.357	-1.77
19_3_110	MW-10	Appendix IV	Cobalt	mg/l	16	14	88%	2021-06-15 to 2026-02-04		Nonparametric	0.00408	0.00500	0.0000860	0.00500	0.00198	0.484	-1.77
19_3_113	MW-10	Appendix IV	Fluoride (App IV)	mg/l	16	12	75%	2021-06-15 to 2026-02-04		Nonparametric	0.765	1.00	0.0480	1.00	0.420	0.548	-1.28
19_3_115	MW-10	Appendix IV	Lead	mg/l	16	16	100%	2021-06-15 to 2026-02-04		Nonparametric	0.00252	0.00300	0.000450	0.00300	0.00103	0.408	-1.77
19_3_116	MW-10	Appendix IV	Lithium	mg/l	16	16	100%	2021-06-15 to 2026-02-04		Nonparametric	0.00501	0.00500	0.00340	0.0100	0.00148	0.294	2.64
19_3_117	MW-10	Appendix IV	Mercury	mg/l	16	15	94%	2021-06-15 to 2026-02-04		Nonparametric	0.000187	0.000200	0.000130	0.000200	0.0000282	0.151	-1.77
19_3_118	MW-10	Appendix IV	Molybdenum	mg/l	16	16	100%	2021-06-15 to 2026-02-04		Nonparametric	0.00427	0.00500	0.00110	0.00500	0.00157	0.368	-1.77
19_3_121	MW-10	Appendix IV	Radium-226+228	pci/l	16	0	0%	2021-06-15 to 2026-02-04	Gamma; Lognormal	Gamma	1.24	0.797	0.262	3.30	0.995	0.805	1.07
19_3_122	MW-10	Appendix IV	Selenium	mg/l	16	13	81%	2021-06-15 to 2026-02-04		Nonparametric	0.00437	0.00500	0.00130	0.00500	0.00137	0.313	-1.82
19_3_125	MW-10	Appendix IV	Thallium	mg/l	16	15	94%	2021-06-15 to 2026-02-04		Nonparametric	0.00176	0.00200	0.000510	0.00200	0.000536	0.305	-1.97
19_5_111	MW-10	Part 115	Copper	mg/l	16	16	100%	2021-06-15 to 2026-02-04		Nonparametric	0.00438	0.00500	0.00170	0.00500	0.00133	0.304	-1.77
19_5_114	MW-10	Part 115	Iron	mg/l	16	15	94%	2021-06-15 to 2026-02-04		Nonparametric	0.0204	0.0200	0.0130	0.0410	0.00598	0.292	2.81
19_5_119	MW-10	Part 115	Nickel	mg/l	16	16	100%	2021-06-15 to 2026-02-04		Nonparametric	0.00434	0.00500	0.00150	0.00500	0.00141	0.325	-1.77
19_5_123	MW-10	Part 115	Silver	mg/l	16	16	100%	2021-06-15 to 2026-02-04		Nonparametric	0.000416	0.000500	0.0000530	0.000500	0.000180	0.433	-1.77
19_5_128	MW-10	Part 115	Vanadium	mg/l	16	15	94%	2021-06-15 to 2026-02-04		Nonparametric	0.00423	0.00500	0.000820	0.00500	0.00166	0.393	-1.77
19_5_129	MW-10	Part 115	Zinc	mg/l	16	13	81%	2021-06-15 to 2026-02-04		Nonparametric	0.00547	0.00500	0.000930	0.0200	0.00434	0.794	2.68

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
20_2_105	MW-13	Appendix III	Boron	mg/l	15	0	0%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.172	0.170	0.140	0.220	0.0237	0.138	0.285
20_2_107	MW-13	Appendix III	Calcium	mg/l	15	0	0%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	127	128	94.1	170	26.6	0.210	0.188
20_2_108	MW-13	Appendix III	Chloride	mg/l	15	2	13%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	19.2	16.0	5.00	45.0	12.4	0.648	1.04
20_2_112	MW-13	Appendix III	Fluoride	mg/l	15	12	80%	2022-02-23 to 2026-02-04		Nonparametric	0.829	1.00	0.130	1.00	0.353	0.426	-1.67
20_2_120	MW-13	Appendix III	pH, Field	su	15	0	0%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	6.94	7.01	6.39	7.25	0.229	0.0330	-0.888
20_2_124	MW-13	Appendix III	Sulfate	mg/l	15	0	0%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	72.0	45.0	16.0	210	59.6	0.828	1.22
20_2_126	MW-13	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	481	476	336	700	117	0.244	0.605
20_3_101	MW-13	Appendix IV	Antimony	mg/l	15	15	100%	2022-02-23 to 2026-02-04		Nonparametric	0.00411	0.00500	0.000570	0.00500	0.00183	0.446	-1.67
20_3_102	MW-13	Appendix IV	Arsenic	mg/l	15	9	60%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Nonparametric	0.00327	0.00200	0.00190	0.00800	0.00208	0.636	1.40
20_3_103	MW-13	Appendix IV	Barium	mg/l	15	0	0%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0323	0.0290	0.0200	0.0600	0.00981	0.303	1.71
20_3_104	MW-13	Appendix IV	Beryllium	mg/l	15	15	100%	2022-02-23 to 2026-02-04		Nonparametric	0.000854	0.00100	0.000270	0.00100	0.000302	0.354	-1.67
20_3_106	MW-13	Appendix IV	Cadmium	mg/l	15	15	100%	2022-02-23 to 2026-02-04		Nonparametric	0.000415	0.000500	0.0000770	0.000500	0.000175	0.422	-1.67
20_3_109	MW-13	Appendix IV	Chromium	mg/l	15	15	100%	2022-02-23 to 2026-02-04		Nonparametric	0.00424	0.00500	0.00120	0.00500	0.00157	0.371	-1.67
20_3_110	MW-13	Appendix IV	Cobalt	mg/l	15	12	80%	2022-02-23 to 2026-02-04		Nonparametric	0.00412	0.00500	0.000380	0.00500	0.00183	0.445	-1.69
20_3_113	MW-13	Appendix IV	Fluoride (App IV)	mg/l	15	12	80%	2022-02-23 to 2026-02-04		Nonparametric	0.829	1.00	0.130	1.00	0.353	0.426	-1.67
20_3_115	MW-13	Appendix IV	Lead	mg/l	15	15	100%	2022-02-23 to 2026-02-04		Nonparametric	0.00249	0.00300	0.000450	0.00300	0.00106	0.424	-1.67
20_3_116	MW-13	Appendix IV	Lithium	mg/l	15	15	100%	2022-02-23 to 2026-02-04		Nonparametric	0.00468	0.00500	0.00340	0.00500	0.000662	0.142	-1.67
20_3_117	MW-13	Appendix IV	Mercury	mg/l	15	15	100%	2022-02-23 to 2026-02-04		Nonparametric	0.000186	0.000200	0.000130	0.000200	0.0000290	0.156	-1.67
20_3_118	MW-13	Appendix IV	Molybdenum	mg/l	15	15	100%	2022-02-23 to 2026-02-04		Nonparametric	0.00422	0.00500	0.00110	0.00500	0.00161	0.383	-1.67
20_3_121	MW-13	Appendix IV	Radium-226+228	pci/l	15	1	7%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.968	0.683	0.0699	2.31	0.794	0.820	0.653
20_3_122	MW-13	Appendix IV	Selenium	mg/l	15	13	87%	2022-02-23 to 2026-02-04		Nonparametric	0.00454	0.00500	0.000890	0.00600	0.00144	0.318	-2.24
20_3_125	MW-13	Appendix IV	Thallium	mg/l	15	15	100%	2022-02-23 to 2026-02-04		Nonparametric	0.00170	0.00200	0.000510	0.00200	0.000617	0.362	-1.67
20_5_111	MW-13	Part 115	Copper	mg/l	15	15	100%	2022-02-23 to 2026-02-04		Nonparametric	0.00434	0.00500	0.00170	0.00500	0.00137	0.315	-1.67
20_5_114	MW-13	Part 115	Iron	mg/l	15	1	7%	2022-02-23 to 2026-02-04	Lognormal	Nonparametric	0.333	0.0400	0.0200	1.30	0.496	1.49	1.24
20_5_119	MW-13	Part 115	Nickel	mg/l	15	15	100%	2022-02-23 to 2026-02-04		Nonparametric	0.00430	0.00500	0.00150	0.00500	0.00145	0.337	-1.67
20_5_123	MW-13	Part 115	Silver	mg/l	15	15	100%	2022-02-23 to 2026-02-04		Nonparametric	0.000411	0.000500	0.0000530	0.000500	0.000185	0.451	-1.67
20_5_128	MW-13	Part 115	Vanadium	mg/l	15	13	87%	2022-02-23 to 2026-02-04		Nonparametric	0.00423	0.00500	0.000820	0.00500	0.00160	0.379	-1.70
20_5_129	MW-13	Part 115	Zinc	mg/l	15	12	80%	2022-02-23 to 2026-02-04		Nonparametric	0.00469	0.00500	0.000930	0.0100	0.00204	0.435	0.468
21_2_105	MW-14	Appendix III	Boron	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	2.07	2.11	1.60	2.29	0.180	0.0872	-1.46
21_2_107	MW-14	Appendix III	Calcium	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	153	148	141	173	10.6	0.0693	0.693
21_2_108	MW-14	Appendix III	Chloride	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	113	114	100	120	5.25	0.0465	-1.08
21_2_112	MW-14	Appendix III	Fluoride	mg/l	13	10	77%	2023-01-12 to 2026-02-11		Nonparametric	0.805	1.00	0.120	1.00	0.372	0.462	-1.46
21_2_120	MW-14	Appendix III	pH, Field	su	15	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	6.98	6.98	6.76	7.13	0.0946	0.0135	-0.670
21_2_124	MW-14	Appendix III	Sulfate	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Nonparametric	Nonparametric	70.6	16.0	3.90	748	204	2.88	3.60
21_2_126	MW-14	Appendix III	Total Dissolved Solids	mg/l	13	1	8%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	724	784	0.00500	866	221	0.305	-3.42
21_3_101	MW-14	Appendix IV	Antimony	mg/l	13	13	100%	2023-01-12 to 2026-02-11		Nonparametric	0.00398	0.00500	0.000570	0.00500	0.00194	0.488	-1.45
21_3_102	MW-14	Appendix IV	Arsenic	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.00628	0.00640	0.00400	0.00800	0.00115	0.183	-0.320
21_3_103	MW-14	Appendix IV	Barium	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.132	0.131	0.119	0.177	0.0152	0.115	2.33
21_3_104	MW-14	Appendix IV	Beryllium	mg/l	13	13	100%	2023-01-12 to 2026-02-11		Nonparametric	0.000832	0.00100	0.000270	0.00100	0.000320	0.385	-1.45
21_3_106	MW-14	Appendix IV	Cadmium	mg/l	13	13	100%	2023-01-12 to 2026-02-11		Nonparametric	0.000402	0.000500	0.0000770	0.000500	0.000185	0.461	-1.45
21_3_109	MW-14	Appendix IV	Chromium	mg/l	13	13	100%	2023-01-12 to 2026-02-11		Nonparametric	0.00412	0.00500	0.00120	0.00500	0.00167	0.404	-1.45
21_3_110	MW-14	Appendix IV	Cobalt	mg/l	13	10	77%	2023-01-12 to 2026-02-11		Nonparametric	0.00398	0.00500	0.000530	0.00500	0.00193	0.485	-1.45

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
21_3_113	MW-14	Appendix IV	Fluoride (App IV)	mg/l	13	10	77%	2023-01-12 to 2026-02-11		Nonparametric	0.805	1.00	0.120	1.00	0.372	0.462	-1.46
21_3_115	MW-14	Appendix IV	Lead	mg/l	13	13	100%	2023-01-12 to 2026-02-11		Nonparametric	0.00241	0.00300	0.000450	0.00300	0.00112	0.464	-1.45
21_3_116	MW-14	Appendix IV	Lithium	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.108	0.109	0.0910	0.125	0.00997	0.0927	-0.0467
21_3_117	MW-14	Appendix IV	Mercury	mg/l	13	13	100%	2023-01-12 to 2026-02-11		Nonparametric	0.000184	0.000200	0.000130	0.000200	0.0000307	0.167	-1.45
21_3_118	MW-14	Appendix IV	Molybdenum	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0130	0.0130	0.0100	0.0160	0.00158	0.122	0.149
21_3_121	MW-14	Appendix IV	Radium-226+228	pci/l	13	2	15%	2023-01-12 to 2026-02-11	Gamma; Lognormal	Gamma	1.76	0.994	0.464	6.88	1.84	1.04	2.33
21_3_122	MW-14	Appendix IV	Selenium	mg/l	13	11	85%	2023-01-12 to 2026-02-11		Nonparametric	0.00497	0.00500	0.000890	0.0130	0.00330	0.663	1.04
21_3_125	MW-14	Appendix IV	Thallium	mg/l	13	13	100%	2023-01-12 to 2026-02-11		Nonparametric	0.00166	0.00200	0.000510	0.00200	0.000653	0.395	-1.45
21_5_111	MW-14	Part 115	Copper	mg/l	13	13	100%	2023-01-12 to 2026-02-11		Nonparametric	0.00424	0.00500	0.00170	0.00500	0.00145	0.341	-1.45
21_5_114	MW-14	Part 115	Iron	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	12.2	11.9	6.58	15.0	2.59	0.211	-0.724
21_5_119	MW-14	Part 115	Nickel	mg/l	13	6	46%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.00482	0.00500	0.00380	0.00600	0.000597	0.124	-0.388
21_5_123	MW-14	Part 115	Silver	mg/l	13	13	100%	2023-01-12 to 2026-02-11		Nonparametric	0.000397	0.000500	0.0000530	0.000500	0.000196	0.494	-1.45
21_5_128	MW-14	Part 115	Vanadium	mg/l	13	10	77%	2023-01-12 to 2026-02-11		Nonparametric	0.00423	0.00500	0.00150	0.00500	0.00146	0.346	-1.46
21_5_129	MW-14	Part 115	Zinc	mg/l	13	10	77%	2023-01-12 to 2026-02-11		Nonparametric	0.00685	0.00500	0.000930	0.0240	0.00657	0.959	2.08
22_2_105	MW-15	Appendix III	Boron	mg/l	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.364	0.370	0.230	0.440	0.0575	0.158	-0.955
22_2_107	MW-15	Appendix III	Calcium	mg/l	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	134	131	104	183	19.5	0.146	1.12
22_2_108	MW-15	Appendix III	Chloride	mg/l	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	78.8	74.7	59.0	110	15.3	0.195	0.655
22_2_112	MW-15	Appendix III	Fluoride	mg/l	13	10	77%	2023-01-12 to 2026-02-05		Nonparametric	0.780	1.00	0.0420	1.00	0.419	0.537	-1.45
22_2_120	MW-15	Appendix III	pH, Field	su	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	6.81	6.83	6.65	6.99	0.121	0.0178	0.223
22_2_124	MW-15	Appendix III	Sulfate	mg/l	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	119	110	49.7	238	42.4	0.357	1.74
22_2_126	MW-15	Appendix III	Total Dissolved Solids	mg/l	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	640	638	528	878	87.6	0.137	1.65
22_3_101	MW-15	Appendix IV	Antimony	mg/l	13	13	100%	2023-01-12 to 2026-02-05		Nonparametric	0.00398	0.00500	0.000570	0.00500	0.00194	0.488	-1.45
22_3_102	MW-15	Appendix IV	Arsenic	mg/l	13	10	77%	2023-01-12 to 2026-02-05		Nonparametric	0.00175	0.00200	0.000750	0.00200	0.000484	0.277	-1.50
22_3_103	MW-15	Appendix IV	Barium	mg/l	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0572	0.0580	0.0420	0.0770	0.00977	0.171	0.481
22_3_104	MW-15	Appendix IV	Beryllium	mg/l	13	13	100%	2023-01-12 to 2026-02-05		Nonparametric	0.000832	0.00100	0.000270	0.00100	0.000320	0.385	-1.45
22_3_106	MW-15	Appendix IV	Cadmium	mg/l	13	12	92%	2023-01-12 to 2026-02-05		Nonparametric	0.000403	0.000500	0.0000770	0.000500	0.000185	0.460	-1.45
22_3_109	MW-15	Appendix IV	Chromium	mg/l	13	13	100%	2023-01-12 to 2026-02-05		Nonparametric	0.00412	0.00500	0.00120	0.00500	0.00167	0.404	-1.45
22_3_110	MW-15	Appendix IV	Cobalt	mg/l	13	11	85%	2023-01-12 to 2026-02-05		Nonparametric	0.00391	0.00500	0.0000860	0.00500	0.00208	0.532	-1.46
22_3_113	MW-15	Appendix IV	Fluoride (App IV)	mg/l	13	10	77%	2023-01-12 to 2026-02-05		Nonparametric	0.780	1.00	0.0420	1.00	0.419	0.537	-1.45
22_3_115	MW-15	Appendix IV	Lead	mg/l	13	13	100%	2023-01-12 to 2026-02-05		Nonparametric	0.00241	0.00300	0.000450	0.00300	0.00112	0.464	-1.45
22_3_116	MW-15	Appendix IV	Lithium	mg/l	13	12	92%	2023-01-12 to 2026-02-05		Nonparametric	0.00532	0.00500	0.00340	0.0140	0.00270	0.507	3.17
22_3_117	MW-15	Appendix IV	Mercury	mg/l	13	13	100%	2023-01-12 to 2026-02-05		Nonparametric	0.000184	0.000200	0.000130	0.000200	0.0000307	0.167	-1.45
22_3_118	MW-15	Appendix IV	Molybdenum	mg/l	13	13	100%	2023-01-12 to 2026-02-05		Nonparametric	0.00410	0.00500	0.00110	0.00500	0.00171	0.417	-1.45
22_3_121	MW-15	Appendix IV	Radium-226+228	pci/l	13	1	8%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.10	0.921	0.316	2.06	0.590	0.534	0.454
22_3_122	MW-15	Appendix IV	Selenium	mg/l	13	5	38%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0133	0.0100	0.000890	0.0340	0.0101	0.759	0.757
22_3_125	MW-15	Appendix IV	Thallium	mg/l	13	13	100%	2023-01-12 to 2026-02-05		Nonparametric	0.00166	0.00200	0.000510	0.00200	0.000653	0.395	-1.45
22_5_111	MW-15	Part 115	Copper	mg/l	13	13	100%	2023-01-12 to 2026-02-05		Nonparametric	0.00424	0.00500	0.00170	0.00500	0.00145	0.341	-1.45
22_5_114	MW-15	Part 115	Iron	mg/l	13	1	8%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.101	0.0710	0.0200	0.380	0.0992	0.983	2.05
22_5_119	MW-15	Part 115	Nickel	mg/l	13	12	92%	2023-01-12 to 2026-02-05		Nonparametric	0.00422	0.00500	0.00150	0.00500	0.00148	0.350	-1.47
22_5_123	MW-15	Part 115	Silver	mg/l	13	13	100%	2023-01-12 to 2026-02-05		Nonparametric	0.000397	0.000500	0.0000530	0.000500	0.000196	0.494	-1.45
22_5_128	MW-15	Part 115	Vanadium	mg/l	13	13	100%	2023-01-12 to 2026-02-05		Nonparametric	0.00404	0.00500	0.000820	0.00500	0.00183	0.454	-1.45
22_5_129	MW-15	Part 115	Zinc	mg/l	13	11	85%	2023-01-12 to 2026-02-05		Nonparametric	0.00537	0.00500	0.000930	0.0210	0.00497	0.927	2.88

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
23_2_105	MW-16A	Appendix III	Boron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	0.169	0.175	0.0920	0.250	0.0578	0.341	-0.116
23_2_107	MW-16A	Appendix III	Calcium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	184	176	145	226	26.0	0.141	0.116
23_2_108	MW-16A	Appendix III	Chloride	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	431	430	360	505	47.9	0.111	0.0833
23_2_112	MW-16A	Appendix III	Fluoride	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	1.16	1.00	0.0700	5.00	1.21	1.04	2.70
23_2_120	MW-16A	Appendix III	pH, Field	su	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	6.83	6.82	6.67	7.00	0.100	0.0147	0.379
23_2_124	MW-16A	Appendix III	Sulfate	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	194	200	86.0	341	73.7	0.381	0.239
23_2_126	MW-16A	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	1409	1380	1100	1720	193	0.137	-0.0222
23_3_101	MW-16A	Appendix IV	Antimony	mg/l	14	12	86%	2023-02-02 to 2026-02-09		Nonparametric	0.00409	0.00500	0.000570	0.00500	0.00181	0.443	-1.57
23_3_102	MW-16A	Appendix IV	Arsenic	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Normal	Normal	0.00308	0.00300	0.000930	0.00500	0.00103	0.334	-0.319
23_3_103	MW-16A	Appendix IV	Barium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	0.142	0.141	0.100	0.178	0.0247	0.173	-0.158
23_3_104	MW-16A	Appendix IV	Beryllium	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.000856	0.00100	0.000270	0.00100	0.000288	0.337	-1.64
23_3_106	MW-16A	Appendix IV	Cadmium	mg/l	14	12	86%	2023-02-02 to 2026-02-09		Nonparametric	0.000432	0.000500	0.0000770	0.000500	0.000140	0.324	-1.85
23_3_109	MW-16A	Appendix IV	Chromium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00419	0.00500	0.00120	0.00500	0.00162	0.387	-1.57
23_3_110	MW-16A	Appendix IV	Cobalt	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	0.00413	0.00500	0.000580	0.00500	0.00173	0.417	-1.59
23_3_113	MW-16A	Appendix IV	Fluoride (App IV)	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	1.16	1.00	0.0700	5.00	1.21	1.04	2.70
23_3_115	MW-16A	Appendix IV	Lead	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00245	0.00300	0.000450	0.00300	0.00109	0.443	-1.57
23_3_116	MW-16A	Appendix IV	Lithium	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	0.00470	0.00500	0.00340	0.00500	0.000605	0.129	-1.68
23_3_117	MW-16A	Appendix IV	Mercury	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000185	0.000200	0.000130	0.000200	0.0000298	0.161	-1.57
23_3_118	MW-16A	Appendix IV	Molybdenum	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	0.00436	0.00500	0.00140	0.00500	0.00131	0.302	-1.77
23_3_121	MW-16A	Appendix IV	Radium-226+228	pci/l	14	1	7%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	1.92	1.08	0.562	7.46	1.92	0.999	2.09
23_3_122	MW-16A	Appendix IV	Selenium	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.00412	0.00500	0.000890	0.00500	0.00175	0.425	-1.57
23_3_125	MW-16A	Appendix IV	Thallium	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.00169	0.00200	0.000510	0.00200	0.000619	0.367	-1.57
23_5_111	MW-16A	Part 115	Copper	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00429	0.00500	0.00170	0.00500	0.00141	0.327	-1.57
23_5_114	MW-16A	Part 115	Iron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Normal	Gamma	3.03	3.06	0.780	4.38	0.885	0.292	-0.964
23_5_119	MW-16A	Part 115	Nickel	mg/l	14	12	86%	2023-02-02 to 2026-02-09		Nonparametric	0.00430	0.00500	0.00150	0.00500	0.00140	0.326	-1.62
23_5_123	MW-16A	Part 115	Silver	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000404	0.000500	0.0000530	0.000500	0.000190	0.471	-1.57
23_5_128	MW-16A	Part 115	Vanadium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00410	0.00500	0.000820	0.00500	0.00178	0.434	-1.57
23_5_129	MW-16A	Part 115	Zinc	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00413	0.00500	0.000930	0.00500	0.00173	0.420	-1.57
24_2_105	MW-16B	Appendix III	Boron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	0.114	0.110	0.0830	0.130	0.0115	0.101	-1.18
24_2_107	MW-16B	Appendix III	Calcium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	80.4	81.2	73.0	85.4	3.66	0.0455	-0.732
24_2_108	MW-16B	Appendix III	Chloride	mg/l	14	5	36%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	5.64	5.00	2.80	17.0	3.82	0.677	2.51
24_2_112	MW-16B	Appendix III	Fluoride	mg/l	14	8	57%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Nonparametric	0.914	1.00	0.310	1.00	0.196	0.215	-2.66
24_2_120	MW-16B	Appendix III	pH, Field	su	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	7.40	7.42	7.22	7.56	0.100	0.0136	-0.439
24_2_124	MW-16B	Appendix III	Sulfate	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	18.2	17.9	15.0	22.0	2.21	0.121	0.621
24_2_126	MW-16B	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	363	366	350	378	9.56	0.0264	-0.137
24_3_101	MW-16B	Appendix IV	Antimony	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00405	0.00500	0.000570	0.00500	0.00189	0.466	-1.57
24_3_102	MW-16B	Appendix IV	Arsenic	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00173	0.00200	0.000750	0.00200	0.000532	0.307	-1.57
24_3_103	MW-16B	Appendix IV	Barium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	0.0860	0.0855	0.0780	0.0910	0.00346	0.0403	-0.687
24_3_104	MW-16B	Appendix IV	Beryllium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000844	0.00100	0.000270	0.00100	0.000311	0.368	-1.57
24_3_106	MW-16B	Appendix IV	Cadmium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000409	0.000500	0.0000770	0.000500	0.000180	0.440	-1.57
24_3_109	MW-16B	Appendix IV	Chromium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00419	0.00500	0.00120	0.00500	0.00162	0.387	-1.57
24_3_110	MW-16B	Appendix IV	Cobalt	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00395	0.00500	0.0000860	0.00500	0.00209	0.530	-1.57

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
24_3_113	MW-16B	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Nonparametric	0.914	1.00	0.310	1.00	0.196	0.215	-2.66
24_3_115	MW-16B	Appendix IV	Lead	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00245	0.00300	0.000450	0.00300	0.00109	0.443	-1.57
24_3_116	MW-16B	Appendix IV	Lithium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	0.0209	0.0210	0.0170	0.0230	0.00161	0.0772	-0.892
24_3_117	MW-16B	Appendix IV	Mercury	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000185	0.000200	0.000130	0.000200	0.0000298	0.161	-1.57
24_3_118	MW-16B	Appendix IV	Molybdenum	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	0.00614	0.00600	0.00500	0.00800	0.000692	0.113	1.42
24_3_121	MW-16B	Appendix IV	Radium-226+228	pci/l	14	1	7%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	2.21	1.87	0.796	6.43	1.46	0.661	2.16
24_3_122	MW-16B	Appendix IV	Selenium	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.00419	0.00500	0.000890	0.00600	0.00181	0.431	-1.47
24_3_125	MW-16B	Appendix IV	Thallium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00168	0.00200	0.000510	0.00200	0.000634	0.377	-1.57
24_5_111	MW-16B	Part 115	Copper	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00429	0.00500	0.00170	0.00500	0.00141	0.327	-1.57
24_5_114	MW-16B	Part 115	Iron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	0.476	0.415	0.320	0.930	0.164	0.343	1.92
24_5_119	MW-16B	Part 115	Nickel	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00425	0.00500	0.00150	0.00500	0.00149	0.351	-1.57
24_5_123	MW-16B	Part 115	Silver	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000404	0.000500	0.0000530	0.000500	0.000190	0.471	-1.57
24_5_128	MW-16B	Part 115	Vanadium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00410	0.00500	0.000820	0.00500	0.00178	0.434	-1.57
24_5_129	MW-16B	Part 115	Zinc	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.00424	0.00500	0.000930	0.00500	0.00155	0.366	-1.75
25_2_105	MW-17A	Appendix III	Boron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	4.04	3.90	3.60	4.70	0.376	0.0933	1.04
25_2_107	MW-17A	Appendix III	Calcium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	248	244	220	270	15.6	0.0629	-0.144
25_2_108	MW-17A	Appendix III	Chloride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	69.9	68.7	67.0	75.0	2.62	0.0374	1.05
25_2_112	MW-17A	Appendix III	Fluoride	mg/l	9	3	33%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.357	0.270	0.0500	1.00	0.275	0.770	1.80
25_2_120	MW-17A	Appendix III	pH, Field	su	11	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.16	7.16	7.01	7.31	0.0788	0.0110	0.117
25_2_124	MW-17A	Appendix III	Sulfate	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	667	670	569	720	45.9	0.0689	-1.04
25_2_126	MW-17A	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	1299	1300	1100	1400	86.7	0.0667	-1.43
25_3_101	MW-17A	Appendix IV	Antimony	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00205	0.000570	0.000570	0.00500	0.00221	1.08	0.857
25_3_102	MW-17A	Appendix IV	Arsenic	mg/l	9	1	11%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.00168	0.00170	0.00110	0.00230	0.000447	0.266	-0.277
25_3_103	MW-17A	Appendix IV	Barium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0408	0.0390	0.0350	0.0480	0.00466	0.114	0.582
25_3_104	MW-17A	Appendix IV	Beryllium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000513	0.000270	0.000270	0.00100	0.000365	0.711	0.857
25_3_106	MW-17A	Appendix IV	Cadmium	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.000723	0.0000770	0.0000770	0.00500	0.00161	2.23	2.93
25_3_109	MW-17A	Appendix IV	Chromium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00747	0.00120	0.00120	0.0500	0.0160	2.15	2.94
25_3_110	MW-17A	Appendix IV	Cobalt	mg/l	9	7	78%	2024-10-08 to 2026-02-10		Nonparametric	0.00174	0.000130	0.0000860	0.00500	0.00244	1.40	0.856
25_3_113	MW-17A	Appendix IV	Fluoride (App IV)	mg/l	9	3	33%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.357	0.270	0.0500	1.00	0.275	0.770	1.80
25_3_115	MW-17A	Appendix IV	Lead	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00130	0.000450	0.000450	0.00300	0.00128	0.981	0.857
25_3_116	MW-17A	Appendix IV	Lithium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0537	0.0530	0.0440	0.0590	0.00487	0.0908	-0.656
25_3_117	MW-17A	Appendix IV	Mercury	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000153	0.000130	0.000130	0.000200	0.0000350	0.228	0.857
25_3_118	MW-17A	Appendix IV	Molybdenum	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0183	0.0170	0.0140	0.0280	0.00436	0.238	1.54
25_3_121	MW-17A	Appendix IV	Radium-226+228	pci/l	9	2	22%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	1.38	0.830	0.613	5.52	1.58	1.14	2.81
25_3_122	MW-17A	Appendix IV	Selenium	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.00227	0.000890	0.000890	0.00500	0.00205	0.901	0.856
25_3_125	MW-17A	Appendix IV	Thallium	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.00104	0.000510	0.000510	0.00200	0.000727	0.701	0.803
25_5_111	MW-17A	Part 115	Copper	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00780	0.00170	0.00170	0.0500	0.0159	2.04	2.95
25_5_114	MW-17A	Part 115	Iron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.18	7.10	6.32	9.30	0.897	0.125	1.85
25_5_119	MW-17A	Part 115	Nickel	mg/l	9	1	11%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0169	0.0130	0.0110	0.0500	0.0125	0.739	2.94
25_5_123	MW-17A	Part 115	Silver	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000702	0.0000530	0.0000530	0.00500	0.00162	2.31	2.92
25_5_128	MW-17A	Part 115	Vanadium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00221	0.000820	0.000820	0.00500	0.00209	0.944	0.857
25_5_129	MW-17A	Part 115	Zinc	mg/l	9	4	44%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	0.0580	0.00500	0.00120	0.470	0.155	2.67	2.99

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
26_2_105	MW-17B	Appendix III	Boron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	2.16	1.90	1.70	4.10	0.742	0.343	2.78
26_2_107	MW-17B	Appendix III	Calcium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	140	130	110	243	40.5	0.288	2.45
26_2_108	MW-17B	Appendix III	Chloride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	72.7	74.0	67.0	80.9	4.63	0.0637	0.240
26_2_112	MW-17B	Appendix III	Fluoride	mg/l	9	2	22%	2024-10-08 to 2026-02-10	Normal	Normal	0.299	0.330	0.0500	0.500	0.134	0.448	-0.759
26_2_120	MW-17B	Appendix III	pH, Field	su	11	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.33	7.35	6.87	7.65	0.188	0.0257	-1.13
26_2_124	MW-17B	Appendix III	Sulfate	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	385	352	320	643	101	0.262	2.56
26_2_126	MW-17B	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	866	846	660	1400	213	0.246	2.31
26_3_101	MW-17B	Appendix IV	Antimony	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00205	0.000570	0.000570	0.00500	0.00221	1.08	0.857
26_3_102	MW-17B	Appendix IV	Arsenic	mg/l	9	1	11%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	0.00251	0.00200	0.00180	0.00400	0.000848	0.338	1.00
26_3_103	MW-17B	Appendix IV	Barium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0478	0.0440	0.0370	0.0700	0.0112	0.235	0.989
26_3_104	MW-17B	Appendix IV	Beryllium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000513	0.000270	0.000270	0.00100	0.000365	0.711	0.857
26_3_106	MW-17B	Appendix IV	Cadmium	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.000720	0.0000770	0.0000770	0.00500	0.00162	2.24	2.93
26_3_109	MW-17B	Appendix IV	Chromium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00747	0.00120	0.00120	0.0500	0.0160	2.15	2.94
26_3_110	MW-17B	Appendix IV	Cobalt	mg/l	9	5	56%	2024-10-08 to 2026-02-10		Nonparametric	0.00175	0.000150	0.0000860	0.00500	0.00244	1.39	0.855
26_3_113	MW-17B	Appendix IV	Fluoride (App IV)	mg/l	9	2	22%	2024-10-08 to 2026-02-10	Normal	Normal	0.299	0.330	0.0500	0.500	0.134	0.448	-0.759
26_3_115	MW-17B	Appendix IV	Lead	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00130	0.000450	0.000450	0.00300	0.00128	0.981	0.857
26_3_116	MW-17B	Appendix IV	Lithium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0893	0.0910	0.0590	0.117	0.0151	0.169	-0.308
26_3_117	MW-17B	Appendix IV	Mercury	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000153	0.000130	0.000130	0.000200	0.0000350	0.228	0.857
26_3_118	MW-17B	Appendix IV	Molybdenum	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	0.0922	0.0980	0.0180	0.115	0.0292	0.317	-2.48
26_3_121	MW-17B	Appendix IV	Radium-226+228	pci/l	9	2	22%	2024-10-08 to 2026-02-10	Lognormal	Lognormal	1.25	0.781	0.662	2.66	0.776	0.622	1.25
26_3_122	MW-17B	Appendix IV	Selenium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00226	0.000890	0.000890	0.00500	0.00205	0.909	0.857
26_3_125	MW-17B	Appendix IV	Thallium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00101	0.000510	0.000510	0.00200	0.000745	0.740	0.857
26_5_111	MW-17B	Part 115	Copper	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00780	0.00170	0.00170	0.0500	0.0159	2.04	2.95
26_5_114	MW-17B	Part 115	Iron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Lognormal	Lognormal	2.78	2.30	1.80	7.27	1.72	0.619	2.75
26_5_119	MW-17B	Part 115	Nickel	mg/l	9	3	33%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.00911	0.00400	0.00300	0.0500	0.0153	1.68	2.99
26_5_123	MW-17B	Part 115	Silver	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000702	0.0000530	0.0000530	0.00500	0.00162	2.31	2.92
26_5_128	MW-17B	Part 115	Vanadium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00221	0.000820	0.000820	0.00500	0.00209	0.944	0.857
26_5_129	MW-17B	Part 115	Zinc	mg/l	9	3	33%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0579	0.0120	0.00500	0.300	0.0981	1.69	2.34
27_2_105	MW-17C	Appendix III	Boron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	2.27	2.20	1.70	2.90	0.466	0.205	0.318
27_2_107	MW-17C	Appendix III	Calcium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	161	160	114	210	31.2	0.194	-0.0923
27_2_108	MW-17C	Appendix III	Chloride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	60.3	59.0	43.0	74.5	9.51	0.158	-0.0235
27_2_112	MW-17C	Appendix III	Fluoride	mg/l	9	2	22%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.406	0.340	0.230	1.00	0.235	0.579	2.49
27_2_120	MW-17C	Appendix III	pH, Field	su	11	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.12	7.11	6.47	7.57	0.284	0.0399	-0.699
27_2_124	MW-17C	Appendix III	Sulfate	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Normal	Gamma	501	530	321	620	107	0.214	-1.04
27_2_126	MW-17C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1046	1100	818	1300	159	0.152	-0.164
27_3_101	MW-17C	Appendix IV	Antimony	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.00206	0.000570	0.000570	0.00500	0.00220	1.07	0.855
27_3_102	MW-17C	Appendix IV	Arsenic	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.00328	0.00270	0.00200	0.00600	0.00132	0.403	1.11
27_3_103	MW-17C	Appendix IV	Barium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	0.0634	0.0630	0.0540	0.0880	0.0102	0.162	1.93
27_3_104	MW-17C	Appendix IV	Beryllium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000513	0.000270	0.000270	0.00100	0.000365	0.711	0.857
27_3_106	MW-17C	Appendix IV	Cadmium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000718	0.0000770	0.0000770	0.00500	0.00162	2.25	2.93
27_3_109	MW-17C	Appendix IV	Chromium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00747	0.00120	0.00120	0.0500	0.0160	2.15	2.94
27_3_110	MW-17C	Appendix IV	Cobalt	mg/l	9	4	44%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.00180	0.000230	0.0000860	0.00500	0.00241	1.34	0.846

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
27_3_113	MW-17C	Appendix IV	Fluoride (App IV)	mg/l	9	2	22%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.406	0.340	0.230	1.00	0.235	0.579	2.49
27_3_115	MW-17C	Appendix IV	Lead	mg/l	9	6	67%	2024-10-08 to 2026-02-10		Nonparametric	0.00141	0.000800	0.000450	0.00300	0.00120	0.856	0.803
27_3_116	MW-17C	Appendix IV	Lithium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Lognormal	Lognormal	0.0597	0.0550	0.0370	0.0940	0.0188	0.315	1.16
27_3_117	MW-17C	Appendix IV	Mercury	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000153	0.000130	0.000130	0.000200	0.0000350	0.228	0.857
27_3_118	MW-17C	Appendix IV	Molybdenum	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0568	0.0500	0.0260	0.107	0.0300	0.529	0.726
27_3_121	MW-17C	Appendix IV	Radium-226+228	pci/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1.36	1.40	0.738	2.51	0.600	0.440	0.792
27_3_122	MW-17C	Appendix IV	Selenium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00226	0.000890	0.000890	0.00500	0.00205	0.909	0.857
27_3_125	MW-17C	Appendix IV	Thallium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00101	0.000510	0.000510	0.00200	0.000745	0.740	0.857
27_5_111	MW-17C	Part 115	Copper	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00780	0.00170	0.00170	0.0500	0.0159	2.04	2.95
27_5_114	MW-17C	Part 115	Iron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	3.10	2.70	1.26	4.90	1.28	0.413	0.248
27_5_119	MW-17C	Part 115	Nickel	mg/l	9	1	11%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0132	0.00900	0.00540	0.0500	0.0139	1.06	2.91
27_5_123	MW-17C	Part 115	Silver	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000702	0.0000530	0.0000530	0.00500	0.00162	2.31	2.92
27_5_128	MW-17C	Part 115	Vanadium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00221	0.000820	0.000820	0.00500	0.00209	0.944	0.857
27_5_129	MW-17C	Part 115	Zinc	mg/l	9	4	44%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	0.132	0.00500	0.000930	1.10	0.364	2.76	2.99
28_2_105	MW-18A	Appendix III	Boron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal	Gamma	1.18	0.825	0.640	3.47	0.834	0.709	2.79
28_2_107	MW-18A	Appendix III	Calcium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	86.6	90.0	5.69	110	29.9	0.345	-2.59
28_2_108	MW-18A	Appendix III	Chloride	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	68.5	78.9	2.20	85.0	24.5	0.357	-2.64
28_2_112	MW-18A	Appendix III	Fluoride	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.580	0.570	0.290	0.890	0.159	0.274	0.192
28_2_120	MW-18A	Appendix III	pH, Field	su	12	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	7.36	7.39	6.89	7.67	0.203	0.0276	-0.854
28_2_124	MW-18A	Appendix III	Sulfate	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	150	170	0.900	180	54.1	0.360	-2.82
28_2_126	MW-18A	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	519	527	392	586	56.0	0.108	-1.21
28_3_101	MW-18A	Appendix IV	Antimony	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00190	0.000570	0.000570	0.00500	0.00214	1.13	1.04
28_3_102	MW-18A	Appendix IV	Arsenic	mg/l	10	4	40%	2024-10-08 to 2026-02-04	Gamma; Lognormal	Gamma	0.00169	0.00140	0.000750	0.00500	0.00128	0.755	2.21
28_3_103	MW-18A	Appendix IV	Barium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Normal	Normal	0.0478	0.0420	0.00500	0.0770	0.0210	0.440	-0.511
28_3_104	MW-18A	Appendix IV	Beryllium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000489	0.000270	0.000270	0.00100	0.000353	0.721	1.04
28_3_106	MW-18A	Appendix IV	Cadmium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000654	0.0000770	0.0000770	0.00500	0.00154	2.35	3.09
28_3_109	MW-18A	Appendix IV	Chromium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00684	0.00120	0.00120	0.0500	0.0152	2.23	3.10
28_3_110	MW-18A	Appendix IV	Cobalt	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00156	0.0000860	0.0000860	0.00500	0.00237	1.52	1.04
28_3_113	MW-18A	Appendix IV	Fluoride (App IV)	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.580	0.570	0.290	0.890	0.159	0.274	0.192
28_3_115	MW-18A	Appendix IV	Lead	mg/l	10	8	80%	2024-10-08 to 2026-02-04		Nonparametric	0.00122	0.000450	0.000450	0.00300	0.00123	1.01	1.04
28_3_116	MW-18A	Appendix IV	Lithium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Normal	Gamma	0.0734	0.0680	0.0260	0.110	0.0243	0.331	-0.208
28_3_117	MW-18A	Appendix IV	Mercury	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000151	0.000130	0.000130	0.000200	0.0000338	0.224	1.04
28_3_118	MW-18A	Appendix IV	Molybdenum	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0917	0.105	0.00500	0.120	0.0349	0.381	-1.97
28_3_121	MW-18A	Appendix IV	Radium-226+228	pci/l	10	2	20%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	1.26	1.16	0.626	3.19	0.753	0.596	2.11
28_3_122	MW-18A	Appendix IV	Selenium	mg/l	10	9	90%	2024-10-08 to 2026-02-04		Nonparametric	0.00218	0.000890	0.000890	0.00500	0.00195	0.894	1.00
28_3_125	MW-18A	Appendix IV	Thallium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000957	0.000510	0.000510	0.00200	0.000720	0.752	1.04
28_5_111	MW-18A	Part 115	Copper	mg/l	10	9	90%	2024-10-08 to 2026-02-04		Nonparametric	0.00722	0.00170	0.00170	0.0500	0.0151	2.09	3.12
28_5_114	MW-18A	Part 115	Iron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Normal	Gamma	1.86	1.58	0.0300	3.40	1.09	0.588	0.166
28_5_119	MW-18A	Part 115	Nickel	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00705	0.00150	0.00150	0.0500	0.0152	2.15	3.11
28_5_123	MW-18A	Part 115	Silver	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000637	0.0000530	0.0000530	0.00500	0.00154	2.42	3.08
28_5_128	MW-18A	Part 115	Vanadium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00207	0.000820	0.000820	0.00500	0.00202	0.974	1.04
28_5_129	MW-18A	Part 115	Zinc	mg/l	10	7	70%	2024-10-08 to 2026-02-04		Nonparametric	0.00364	0.00130	0.000930	0.0150	0.00440	1.21	2.23

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
29_2_105	MW-18B	Appendix III	Boron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	2.73	3.04	1.09	3.40	0.716	0.262	-1.56
29_2_107	MW-18B	Appendix III	Calcium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	152	160	89.8	170	25.4	0.167	-1.90
29_2_108	MW-18B	Appendix III	Chloride	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	85.9	87.2	70.7	92.0	6.17	0.0718	-1.88
29_2_112	MW-18B	Appendix III	Fluoride	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.364	0.335	0.120	1.00	0.237	0.651	2.49
29_2_120	MW-18B	Appendix III	pH, Field	su	12	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	7.29	7.29	7.16	7.41	0.0833	0.0114	0.0418
29_2_124	MW-18B	Appendix III	Sulfate	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Normal	Normal	388	410	143	460	94.1	0.243	-2.26
29_2_126	MW-18B	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	868	899	562	1000	124	0.143	-1.89
29_3_101	MW-18B	Appendix IV	Antimony	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00190	0.000570	0.000570	0.00500	0.00214	1.13	1.04
29_3_102	MW-18B	Appendix IV	Arsenic	mg/l	10	8	80%	2024-10-08 to 2026-02-04		Nonparametric	0.00147	0.000750	0.000750	0.00500	0.00134	0.913	2.42
29_3_103	MW-18B	Appendix IV	Barium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	0.0567	0.0580	0.0430	0.0640	0.00550	0.0970	-1.78
29_3_104	MW-18B	Appendix IV	Beryllium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000489	0.000270	0.000270	0.00100	0.000353	0.721	1.04
29_3_106	MW-18B	Appendix IV	Cadmium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000654	0.0000770	0.0000770	0.00500	0.00154	2.35	3.09
29_3_109	MW-18B	Appendix IV	Chromium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00684	0.00120	0.00120	0.0500	0.0152	2.23	3.10
29_3_110	MW-18B	Appendix IV	Cobalt	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00156	0.0000860	0.0000860	0.00500	0.00237	1.52	1.04
29_3_113	MW-18B	Appendix IV	Fluoride (App IV)	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.364	0.335	0.120	1.00	0.237	0.651	2.49
29_3_115	MW-18B	Appendix IV	Lead	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00121	0.000450	0.000450	0.00300	0.00123	1.01	1.04
29_3_116	MW-18B	Appendix IV	Lithium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	0.122	0.130	0.0920	0.132	0.0150	0.123	-1.61
29_3_117	MW-18B	Appendix IV	Mercury	mg/l	11	10	91%	2024-10-08 to 2026-02-04		Nonparametric	0.000137	0.000130	0.000000420	0.000200	0.0000556	0.405	-1.30
29_3_118	MW-18B	Appendix IV	Molybdenum	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	0.131	0.140	0.100	0.150	0.0187	0.143	-0.977
29_3_121	MW-18B	Appendix IV	Radium-226+228	pci/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	2.45	2.13	0.902	5.76	1.41	0.577	1.49
29_3_122	MW-18B	Appendix IV	Selenium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00212	0.000890	0.000890	0.00500	0.00199	0.935	1.04
29_3_125	MW-18B	Appendix IV	Thallium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000957	0.000510	0.000510	0.00200	0.000720	0.752	1.04
29_5_111	MW-18B	Part 115	Copper	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00719	0.00170	0.00170	0.0500	0.0151	2.10	3.11
29_5_114	MW-18B	Part 115	Iron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	2.65	2.64	2.30	2.90	0.194	0.0734	-0.435
29_5_119	MW-18B	Part 115	Nickel	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0128	0.00905	0.00590	0.0500	0.0132	1.03	3.08
29_5_123	MW-18B	Part 115	Silver	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000637	0.0000530	0.0000530	0.00500	0.00154	2.42	3.08
29_5_128	MW-18B	Part 115	Vanadium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00207	0.000820	0.000820	0.00500	0.00202	0.974	1.04
29_5_129	MW-18B	Part 115	Zinc	mg/l	10	7	70%	2024-10-08 to 2026-02-04		Nonparametric	0.00412	0.00345	0.000930	0.0150	0.00423	1.03	2.15
30_2_105	MW-19A	Appendix III	Boron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.239	0.250	0.170	0.260	0.0276	0.115	-2.33
30_2_107	MW-19A	Appendix III	Calcium	mg/l	9	0	0%	2025-05-12 to 2026-02-11		Nonparametric	199	200	190	210	6.01	0.0302	-0.0183
30_2_108	MW-19A	Appendix III	Chloride	mg/l	9	0	0%	2025-05-12 to 2026-02-11		Nonparametric	116	120	100	120	7.26	0.0629	-1.50
30_2_112	MW-19A	Appendix III	Fluoride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.156	0.150	0.110	0.200	0.0309	0.198	0.0788
30_2_120	MW-19A	Appendix III	pH, Field	su	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	6.95	6.93	6.75	7.13	0.124	0.0179	0.0155
30_2_124	MW-19A	Appendix III	Sulfate	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	271	280	230	320	34.1	0.126	0.122
30_2_126	MW-19A	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	957	970	880	1000	34.6	0.0362	-1.43
30_3_101	MW-19A	Appendix IV	Antimony	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.000591	0.000570	0.000570	0.000760	0.0000633	0.107	3.00
30_3_102	MW-19A	Appendix IV	Arsenic	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Normal	Normal	0.00429	0.00440	0.00270	0.00500	0.000766	0.179	-1.23
30_3_103	MW-19A	Appendix IV	Barium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0954	0.0950	0.0880	0.110	0.00667	0.0699	1.23
30_3_104	MW-19A	Appendix IV	Beryllium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000270	0.000270	0.000270	0.000270	0	0	NA
30_3_106	MW-19A	Appendix IV	Cadmium	mg/l	9	5	56%	2025-05-12 to 2026-02-11		Nonparametric	0.000104	0.0000770	0.0000770	0.000210	0.0000458	0.440	1.87
30_3_109	MW-19A	Appendix IV	Chromium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.00120	0.00120	0.00120	0.00120	0	0	NA
30_3_110	MW-19A	Appendix IV	Cobalt	mg/l	9	4	44%	2025-05-12 to 2026-02-11	Lognormal	Lognormal	0.000149	0.0000980	0.0000860	0.000540	0.000148	0.993	2.89

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
30_3_113	MW-19A	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.156	0.150	0.110	0.200	0.0309	0.198	0.0788
30_3_115	MW-19A	Appendix IV	Lead	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000450	0.000450	0.000450	0.000450	0	0	NA
30_3_116	MW-19A	Appendix IV	Lithium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0118	0.0120	0.0100	0.0130	0.00109	0.0928	-0.188
30_3_117	MW-19A	Appendix IV	Mercury	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000130	0.000130	0.000130	0.000130	0	0	NA
30_3_118	MW-19A	Appendix IV	Molybdenum	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.00249	0.00250	0.00190	0.00300	0.000366	0.147	-0.241
30_3_121	MW-19A	Appendix IV	Radium-226+228	pci/l	9	4	44%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.835	0.870	0.554	1.09	0.162	0.195	-0.217
30_3_122	MW-19A	Appendix IV	Selenium	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.000936	0.000890	0.000890	0.00130	0.000137	0.146	3.00
30_3_125	MW-19A	Appendix IV	Thallium	mg/l	9	7	78%	2025-05-12 to 2026-02-11		Nonparametric	0.000528	0.000510	0.000510	0.000670	0.0000533	0.101	3.00
30_5_111	MW-19A	Part 115	Copper	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.00170	0.00170	0.00170	0.00170	0	0	NA
30_5_114	MW-19A	Part 115	Iron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	5.07	4.90	4.20	6.30	0.638	0.126	0.685
30_5_119	MW-19A	Part 115	Nickel	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Lognormal; Normal	Lognormal	0.0117	0.0120	0.0100	0.0140	0.00122	0.105	0.292
30_5_123	MW-19A	Part 115	Silver	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.0000530	0.0000530	0.0000530	0.0000530	0	0	NA
30_5_128	MW-19A	Part 115	Vanadium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000820	0.000820	0.000820	0.000820	0	0	NA
30_5_129	MW-19A	Part 115	Zinc	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.00110	0.000930	0.000930	0.00250	0.000523	0.474	3.00
31_2_105	MW-19B	Appendix III	Boron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.491	0.500	0.390	0.550	0.0593	0.121	-1.00
31_2_107	MW-19B	Appendix III	Calcium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	184	180	170	200	8.82	0.0478	0.214
31_2_108	MW-19B	Appendix III	Chloride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	69.7	68.0	67.0	76.0	3.67	0.0527	1.08
31_2_112	MW-19B	Appendix III	Fluoride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.228	0.240	0.180	0.260	0.0319	0.140	-0.659
31_2_120	MW-19B	Appendix III	pH, Field	su	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	7.18	7.20	6.99	7.32	0.103	0.0144	-0.469
31_2_124	MW-19B	Appendix III	Sulfate	mg/l	9	0	0%	2025-05-12 to 2026-02-11		Nonparametric	306	310	290	320	12.4	0.0405	-0.418
31_2_126	MW-19B	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	934	940	840	1000	42.2	0.0451	-1.17
31_3_101	MW-19B	Appendix IV	Antimony	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000570	0.000570	0.000570	0.000570	0	0	NA
31_3_102	MW-19B	Appendix IV	Arsenic	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.00358	0.00360	0.00290	0.00430	0.000393	0.110	0.150
31_3_103	MW-19B	Appendix IV	Barium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0537	0.0550	0.0450	0.0590	0.00409	0.0763	-1.10
31_3_104	MW-19B	Appendix IV	Beryllium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000270	0.000270	0.000270	0.000270	0	0	NA
31_3_106	MW-19B	Appendix IV	Cadmium	mg/l	9	5	56%	2025-05-12 to 2026-02-11		Nonparametric	0.000113	0.0000770	0.0000770	0.000190	0.0000470	0.417	0.860
31_3_109	MW-19B	Appendix IV	Chromium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.00120	0.00120	0.00120	0.00120	0	0	NA
31_3_110	MW-19B	Appendix IV	Cobalt	mg/l	9	5	56%	2025-05-12 to 2026-02-11		Nonparametric	0.000103	0.0000860	0.0000860	0.000150	0.0000244	0.237	1.20
31_3_113	MW-19B	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.228	0.240	0.180	0.260	0.0319	0.140	-0.659
31_3_115	MW-19B	Appendix IV	Lead	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000450	0.000450	0.000450	0.000450	0	0	NA
31_3_116	MW-19B	Appendix IV	Lithium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0157	0.0160	0.0130	0.0170	0.00141	0.0903	-0.947
31_3_117	MW-19B	Appendix IV	Mercury	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000130	0.000130	0.000130	0.000130	0	0	NA
31_3_118	MW-19B	Appendix IV	Molybdenum	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.00272	0.00220	0.00190	0.00640	0.00142	0.523	2.66
31_3_121	MW-19B	Appendix IV	Radium-226+228	pci/l	9	2	22%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	1.12	1.12	0.807	1.57	0.283	0.252	0.529
31_3_122	MW-19B	Appendix IV	Selenium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000890	0.000890	0.000890	0.000890	0	0	NA
31_3_125	MW-19B	Appendix IV	Thallium	mg/l	9	7	78%	2025-05-12 to 2026-02-11		Nonparametric	0.000526	0.000510	0.000510	0.000590	0.0000313	0.0595	1.73
31_5_111	MW-19B	Part 115	Copper	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.00170	0.00170	0.00170	0.00170	0	0	NA
31_5_114	MW-19B	Part 115	Iron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	1.90	1.90	1.60	2.20	0.187	0.0985	0.00000000000000378
31_5_119	MW-19B	Part 115	Nickel	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0154	0.0150	0.0140	0.0170	0.000882	0.0571	0.214
31_5_123	MW-19B	Part 115	Silver	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.0000530	0.0000530	0.0000530	0.0000530	0	0	NA
31_5_128	MW-19B	Part 115	Vanadium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000820	0.000820	0.000820	0.000820	0	0	NA
31_5_129	MW-19B	Part 115	Zinc	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000930	0.000930	0.000930	0.000930	0	0	NA

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
32_2_105	MW-100A	Appendix III	Boron	mg/l	12	2	17%	2023-06-05 to 2026-02-05		Nonparametric	0.0491	0.0500	0.0400	0.0570	0.00533	0.109	-0.409
32_2_107	MW-100A	Appendix III	Calcium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	91.1	92.1	84.0	95.3	3.04	0.0333	-1.07
32_2_108	MW-100A	Appendix III	Chloride	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	10.3	10.0	10.0	11.0	0.392	0.0381	1.26
32_2_112	MW-100A	Appendix III	Fluoride	mg/l	12	7	58%	2023-06-05 to 2026-02-05		Nonparametric	0.777	1.00	0.220	1.00	0.291	0.374	-0.786
32_2_120	MW-100A	Appendix III	pH, Field	su	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	7.27	7.29	7.08	7.40	0.0956	0.0132	-0.483
32_2_124	MW-100A	Appendix III	Sulfate	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	25.1	23.5	16.2	38.0	6.66	0.265	0.662
32_2_126	MW-100A	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	401	412	340	434	28.5	0.0712	-1.22
32_3_101	MW-100A	Appendix IV	Antimony	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00389	0.00500	0.000570	0.00500	0.00200	0.515	-1.33
32_3_102	MW-100A	Appendix IV	Arsenic	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0138	0.0140	0.00900	0.0180	0.00270	0.196	-0.247
32_3_103	MW-100A	Appendix IV	Barium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.197	0.200	0.180	0.207	0.00868	0.0442	-0.484
32_3_104	MW-100A	Appendix IV	Beryllium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000817	0.00100	0.000270	0.00100	0.000330	0.404	-1.33
32_3_106	MW-100A	Appendix IV	Cadmium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000394	0.000500	0.0000770	0.000500	0.000191	0.485	-1.33
32_3_109	MW-100A	Appendix IV	Chromium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00405	0.00500	0.00120	0.00500	0.00172	0.424	-1.33
32_3_110	MW-100A	Appendix IV	Cobalt	mg/l	12	9	75%	2023-06-05 to 2026-02-05		Nonparametric	0.00381	0.00500	0.000200	0.00500	0.00215	0.564	-1.33
32_3_113	MW-100A	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	2023-06-05 to 2026-02-05		Nonparametric	0.777	1.00	0.220	1.00	0.291	0.374	-0.786
32_3_115	MW-100A	Appendix IV	Lead	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00236	0.00300	0.000450	0.00300	0.00115	0.488	-1.33
32_3_116	MW-100A	Appendix IV	Lithium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0149	0.0150	0.00910	0.0200	0.00359	0.241	-0.185
32_3_117	MW-100A	Appendix IV	Mercury	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000182	0.000200	0.000130	0.000200	0.0000317	0.173	-1.33
32_3_118	MW-100A	Appendix IV	Molybdenum	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.00967	0.00950	0.00670	0.0130	0.00227	0.235	0.0840
32_3_121	MW-100A	Appendix IV	Radium-226+228	pci/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.13	1.01	0.402	2.50	0.676	0.597	0.943
32_3_122	MW-100A	Appendix IV	Selenium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00397	0.00500	0.000890	0.00500	0.00186	0.468	-1.33
32_3_125	MW-100A	Appendix IV	Thallium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00163	0.00200	0.000510	0.00200	0.000674	0.414	-1.33
32_5_111	MW-100A	Part 115	Copper	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00417	0.00500	0.00170	0.00500	0.00149	0.357	-1.33
32_5_114	MW-100A	Part 115	Iron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Normal	Gamma	2.42	2.53	0.630	3.75	0.895	0.369	-0.518
32_5_119	MW-100A	Part 115	Nickel	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00413	0.00500	0.00150	0.00500	0.00158	0.384	-1.33
32_5_123	MW-100A	Part 115	Silver	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000388	0.000500	0.0000530	0.000500	0.000202	0.521	-1.33
32_5_128	MW-100A	Part 115	Vanadium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00396	0.00500	0.000820	0.00500	0.00189	0.478	-1.33
32_5_129	MW-100A	Part 115	Zinc	mg/l	12	8	67%	2023-06-05 to 2026-02-05		Nonparametric	0.00452	0.00500	0.00120	0.00600	0.00128	0.284	-1.93
33_2_105	MW-100B	Appendix III	Boron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.252	0.255	0.210	0.300	0.0260	0.103	0.231
33_2_107	MW-100B	Appendix III	Calcium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	96.8	96.4	87.0	108	5.66	0.0585	0.167
33_2_108	MW-100B	Appendix III	Chloride	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	21.8	22.6	17.0	25.0	2.84	0.130	-0.587
33_2_112	MW-100B	Appendix III	Fluoride	mg/l	12	7	58%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	0.725	1.00	0.150	1.00	0.347	0.479	-0.547
33_2_120	MW-100B	Appendix III	pH, Field	su	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	7.43	7.41	7.26	7.62	0.115	0.0155	0.502
33_2_124	MW-100B	Appendix III	Sulfate	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	116	114	105	136	8.99	0.0777	1.05
33_2_126	MW-100B	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	492	491	440	538	31.5	0.0641	-0.294
33_3_101	MW-100B	Appendix IV	Antimony	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00389	0.00500	0.000570	0.00500	0.00200	0.515	-1.33
33_3_102	MW-100B	Appendix IV	Arsenic	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	0.00964	0.0100	0.00670	0.0110	0.00146	0.151	-1.03
33_3_103	MW-100B	Appendix IV	Barium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.147	0.146	0.130	0.164	0.00929	0.0632	0.191
33_3_104	MW-100B	Appendix IV	Beryllium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000817	0.00100	0.000270	0.00100	0.000330	0.404	-1.33
33_3_106	MW-100B	Appendix IV	Cadmium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000394	0.000500	0.0000770	0.000500	0.000191	0.485	-1.33
33_3_109	MW-100B	Appendix IV	Chromium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00405	0.00500	0.00120	0.00500	0.00172	0.424	-1.33
33_3_110	MW-100B	Appendix IV	Cobalt	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00377	0.00500	0.0000860	0.00500	0.00222	0.589	-1.33

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
33_3_113	MW-100B	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	0.725	1.00	0.150	1.00	0.347	0.479	-0.547
33_3_115	MW-100B	Appendix IV	Lead	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00236	0.00300	0.000450	0.00300	0.00115	0.488	-1.33
33_3_116	MW-100B	Appendix IV	Lithium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Lognormal; Normal	Lognormal	0.0177	0.0175	0.0160	0.0190	0.000985	0.0557	0.127
33_3_117	MW-100B	Appendix IV	Mercury	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000182	0.000200	0.000130	0.000200	0.0000317	0.173	-1.33
33_3_118	MW-100B	Appendix IV	Molybdenum	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Lognormal; Normal	Lognormal	0.00807	0.00900	0.00490	0.0110	0.00192	0.238	-0.414
33_3_121	MW-100B	Appendix IV	Radium-226+228	pci/l	12	1	8%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.32	1.43	0.494	2.16	0.574	0.436	-0.180
33_3_122	MW-100B	Appendix IV	Selenium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00397	0.00500	0.000890	0.00500	0.00186	0.468	-1.33
33_3_125	MW-100B	Appendix IV	Thallium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00163	0.00200	0.000510	0.00200	0.000674	0.414	-1.33
33_5_111	MW-100B	Part 115	Copper	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00417	0.00500	0.00170	0.00500	0.00149	0.357	-1.33
33_5_114	MW-100B	Part 115	Iron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	2.49	2.38	1.77	3.54	0.438	0.176	1.09
33_5_119	MW-100B	Part 115	Nickel	mg/l	12	10	83%	2023-06-05 to 2026-02-05		Nonparametric	0.00417	0.00500	0.00150	0.00500	0.00150	0.359	-1.35
33_5_123	MW-100B	Part 115	Silver	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000388	0.000500	0.0000530	0.000500	0.000202	0.521	-1.33
33_5_128	MW-100B	Part 115	Vanadium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00396	0.00500	0.000820	0.00500	0.00189	0.478	-1.33
33_5_129	MW-100B	Part 115	Zinc	mg/l	12	11	92%	2023-06-05 to 2026-02-05		Nonparametric	0.00437	0.00500	0.000930	0.00500	0.00140	0.320	-2.13

[a] Non-detects are excluded from goodness-of-fit tests.

Table 2: Summary Statistics, Non-Detects Excluded

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
11_2_105	MW-2	Appendix III	Boron	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	4.52	4.61	2.40	6.17	1.10	0.242	-0.151
11_2_107	MW-2	Appendix III	Calcium	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Nonparametric	Nonparametric	231	237	180	272	33.5	0.145	-0.135
11_2_108	MW-2	Appendix III	Chloride	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	78.1	81.0	57.0	94.0	10.5	0.134	-0.597
11_2_112	MW-2	Appendix III	Fluoride	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.0530	0.0520	0.0450	0.0620	0.00854	0.161	0.519
11_2_120	MW-2	Appendix III	pH, Field	su	22	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	6.76	6.75	6.54	7.08	0.105	0.0156	0.961
11_2_124	MW-2	Appendix III	Sulfate	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	395	386	170	586	137	0.347	-0.0836
11_2_126	MW-2	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1158	1180	860	1430	189	0.163	-0.0870
11_3_102	MW-2	Appendix IV	Arsenic	mg/l	20	15	75%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Nonparametric	0.00242	0.00200	0.00110	0.00400	0.00111	0.459	0.515
11_3_103	MW-2	Appendix IV	Barium	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0401	0.0405	0.0340	0.0480	0.00375	0.0936	0.152
11_3_106	MW-2	Appendix IV	Cadmium	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.000110	0.000100	0.0000990	0.000130	0.0000176	0.161	1.73
11_3_110	MW-2	Appendix IV	Cobalt	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.00370	0.00360	0.00360	0.00390	0.000173	0.0468	1.73
11_3_113	MW-2	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.0530	0.0520	0.0450	0.0620	0.00854	0.161	0.519
11_3_116	MW-2	Appendix IV	Lithium	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0528	0.0540	0.0370	0.0700	0.0101	0.190	-0.0654
11_3_118	MW-2	Appendix IV	Molybdenum	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0105	0.0105	0.00640	0.0150	0.00230	0.218	-0.0921
11_3_121	MW-2	Appendix IV	Radium-226+228	pci/l	20	3	15%	2020-04-28 to 2026-02-10	Normal	Normal	0.915	0.745	0	3.25	0.857	0.936	1.45
11_5_114	MW-2	Part 115	Iron	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal	Gamma	0.652	0.545	0.220	1.93	0.396	0.608	2.01
11_5_119	MW-2	Part 115	Nickel	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0208	0.0210	0.0110	0.0270	0.00542	0.261	-0.371
11_5_129	MW-2	Part 115	Zinc	mg/l	20	14	70%	2020-04-28 to 2026-02-10	Gamma; Lognormal	Nonparametric	0.0101	0.00455	0.00180	0.0410	0.0153	1.51	2.31
12_2_105	MW-3	Appendix III	Boron	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	5.63	5.63	5.00	6.16	0.309	0.0549	-0.376
12_2_107	MW-3	Appendix III	Calcium	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	240	243	220	257	14.5	0.0602	-0.417
12_2_108	MW-3	Appendix III	Chloride	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	96.3	95.0	89.0	103	4.87	0.0506	-0.112
12_2_112	MW-3	Appendix III	Fluoride	mg/l	11	8	73%	2021-05-04 to 2026-02-10		Nonparametric	0.160	0.160	0.130	0.190	0.0300	0.188	0
12_2_120	MW-3	Appendix III	pH, Field	su	13	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.24	7.24	7.15	7.38	0.0689	0.00951	0.495
12_2_124	MW-3	Appendix III	Sulfate	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	694	690	640	732	27.9	0.0402	-0.295
12_2_126	MW-3	Appendix III	Total Dissolved Solids	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Nonparametric	Nonparametric	1387	1440	1100	1500	130	0.0940	-1.48
12_3_102	MW-3	Appendix IV	Arsenic	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Nonparametric	Nonparametric	0.00328	0.00300	0.00240	0.00600	0.000983	0.299	2.49
12_3_103	MW-3	Appendix IV	Barium	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0180	0.0190	0.0130	0.0210	0.00245	0.136	-0.649
12_3_110	MW-3	Appendix IV	Cobalt	mg/l	11	8	73%	2021-05-04 to 2026-02-10		Nonparametric	0.000533	0.000490	0.000430	0.000680	0.000131	0.245	1.33
12_3_113	MW-3	Appendix IV	Fluoride (App IV)	mg/l	11	8	73%	2021-05-04 to 2026-02-10		Nonparametric	0.160	0.160	0.130	0.190	0.0300	0.188	0
12_3_115	MW-3	Appendix IV	Lead	mg/l	11	10	91%	2021-05-04 to 2026-02-10		Nonparametric	0.000670	0.000670	0.000670	0.000670	NA	NA	NA
12_3_116	MW-3	Appendix IV	Lithium	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0807	0.0800	0.0740	0.0910	0.00544	0.0674	0.496
12_3_117	MW-3	Appendix IV	Mercury	mg/l	12	11	92%	2021-05-04 to 2026-02-10		Nonparametric	0.000000220	0.000000220	0.000000220	0.000000220	NA	NA	NA
12_3_118	MW-3	Appendix IV	Molybdenum	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.161	0.162	0.150	0.182	0.0107	0.0667	0.805
12_3_121	MW-3	Appendix IV	Radium-226+228	pci/l	11	3	27%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1.52	1.16	0.412	2.92	0.879	0.577	0.545
12_5_111	MW-3	Part 115	Copper	mg/l	11	10	91%	2021-05-04 to 2026-02-10		Nonparametric	0.00290	0.00290	0.00290	0.00290	NA	NA	NA
12_5_114	MW-3	Part 115	Iron	mg/l	11	0	0%	2021-05-04 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1.78	1.80	1.40	2.05	0.218	0.122	-0.340
12_5_119	MW-3	Part 115	Nickel	mg/l	11	8	73%	2021-05-04 to 2026-02-10		Nonparametric	0.00277	0.00290	0.00220	0.00320	0.000513	0.185	-1.09
12_5_129	MW-3	Part 115	Zinc	mg/l	11	8	73%	2021-05-04 to 2026-02-10		Nonparametric	0.00180	0.00180	0.00130	0.00230	0.000500	0.278	0
13_2_105	MW-5	Appendix III	Boron	mg/l	19	0	0%	2020-04-28 to 2026-02-11	Normal	Normal	3.87	4.29	0.370	5.19	1.19	0.307	-1.43
13_2_107	MW-5	Appendix III	Calcium	mg/l	19	0	0%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	211	223	70.1	320	69.3	0.328	-0.243
13_2_108	MW-5	Appendix III	Chloride	mg/l	19	0	0%	2020-04-28 to 2026-02-11	Nonparametric	Nonparametric	60.0	66.0	34.0	82.0	17.8	0.296	-0.345
13_2_112	MW-5	Appendix III	Fluoride	mg/l	20	17	85%	2020-04-28 to 2026-02-11		Nonparametric	0.117	0.110	0.100	0.140	0.0208	0.178	1.29
13_2_120	MW-5	Appendix III	pH, Field	su	22	0	0%	2020-04-28 to 2026-02-11	Nonparametric	Nonparametric	7.23	7.26	6.40	7.45	0.206	0.0285	-3.27

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
13_2_124	MW-5	Appendix III	Sulfate	mg/l	19	0	0%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	570	581	186	1170	292	0.513	0.384
13_2_126	MW-5	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	1176	1220	540	1960	442	0.376	0.111
13_3_102	MW-5	Appendix IV	Arsenic	mg/l	20	13	65%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Nonparametric	0.00341	0.00300	0.000870	0.00700	0.00210	0.615	0.720
13_3_103	MW-5	Appendix IV	Barium	mg/l	20	0	0%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0450	0.0430	0.0330	0.0640	0.00770	0.171	0.958
13_3_106	MW-5	Appendix IV	Cadmium	mg/l	20	19	95%	2020-04-28 to 2026-02-11		Nonparametric	0.0000920	0.0000920	0.0000920	0.0000920	NA	NA	NA
13_3_109	MW-5	Appendix IV	Chromium	mg/l	20	17	85%	2020-04-28 to 2026-02-11		Nonparametric	0.00613	0.00700	0.00140	0.0100	0.00437	0.712	-0.858
13_3_110	MW-5	Appendix IV	Cobalt	mg/l	20	16	80%	2020-04-28 to 2026-02-11		Nonparametric	0.00181	0.000470	0.000310	0.00600	0.00280	1.54	1.98
13_3_113	MW-5	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	2020-04-28 to 2026-02-11		Nonparametric	0.117	0.110	0.100	0.140	0.0208	0.178	1.29
13_3_115	MW-5	Appendix IV	Lead	mg/l	20	15	75%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Nonparametric	0.00463	0.00300	0.000450	0.0140	0.00556	1.20	1.66
13_3_116	MW-5	Appendix IV	Lithium	mg/l	20	0	0%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0665	0.0695	0.0160	0.0910	0.0174	0.261	-1.21
13_3_118	MW-5	Appendix IV	Molybdenum	mg/l	20	0	0%	2020-04-28 to 2026-02-11	Gamma; Normal	Gamma	0.0570	0.0545	0.0100	0.0960	0.0197	0.346	-0.262
13_3_121	MW-5	Appendix IV	Radium-226+228	pci/l	20	3	15%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	1.77	1.65	0.524	4.22	1.07	0.605	1.19
13_3_122	MW-5	Appendix IV	Selenium	mg/l	20	19	95%	2020-04-28 to 2026-02-11		Nonparametric	0.000970	0.000970	0.000970	0.000970	NA	NA	NA
13_5_111	MW-5	Part 115	Copper	mg/l	20	13	65%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Nonparametric	0.0106	0.00900	0.00180	0.0260	0.00897	0.844	0.914
13_5_114	MW-5	Part 115	Iron	mg/l	20	1	5%	2020-04-28 to 2026-02-11	Gamma; Lognormal	Gamma	1.36	0.630	0.160	8.00	1.94	1.42	2.72
13_5_119	MW-5	Part 115	Nickel	mg/l	20	0	0%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.00942	0.0100	0.00330	0.0190	0.00424	0.450	0.475
13_5_123	MW-5	Part 115	Silver	mg/l	20	19	95%	2020-04-28 to 2026-02-11		Nonparametric	0.0000880	0.0000880	0.0000880	0.0000880	NA	NA	NA
13_5_128	MW-5	Part 115	Vanadium	mg/l	20	15	75%	2020-04-28 to 2026-02-11	Gamma; Lognormal; Normal	Nonparametric	0.00568	0.00500	0.000900	0.0120	0.00479	0.843	0.404
13_5_129	MW-5	Part 115	Zinc	mg/l	20	3	15%	2020-04-28 to 2026-02-11	Gamma; Lognormal	Gamma	0.0182	0.00800	0.00340	0.0980	0.0240	1.32	2.64
14_2_105	MW-6	Appendix III	Boron	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.784	0.760	0.490	1.09	0.171	0.219	0.193
14_2_107	MW-6	Appendix III	Calcium	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	171	170	142	200	19.2	0.112	-0.0808
14_2_108	MW-6	Appendix III	Chloride	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	35.3	37.0	24.0	49.0	7.81	0.221	0.123
14_2_112	MW-6	Appendix III	Fluoride	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.223	0.230	0.200	0.240	0.0208	0.0932	-1.29
14_2_120	MW-6	Appendix III	pH, Field	su	22	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	6.73	6.72	6.35	7.11	0.153	0.0228	0.139
14_2_124	MW-6	Appendix III	Sulfate	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	183	180	118	264	48.0	0.263	0.353
14_2_126	MW-6	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	763	780	598	900	92.5	0.121	-0.0802
14_3_102	MW-6	Appendix IV	Arsenic	mg/l	20	18	90%	2020-04-28 to 2026-02-10		Nonparametric	0.00187	0.00187	0.000750	0.00300	0.00159	0.849	NA
14_3_103	MW-6	Appendix IV	Barium	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0488	0.0500	0.0380	0.0620	0.00591	0.121	0.221
14_3_106	MW-6	Appendix IV	Cadmium	mg/l	20	19	95%	2020-04-28 to 2026-02-10		Nonparametric	0.000150	0.000150	0.000150	0.000150	NA	NA	NA
14_3_110	MW-6	Appendix IV	Cobalt	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.000440	0.000450	0.000340	0.000530	0.0000954	0.217	-0.467
14_3_113	MW-6	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	2020-04-28 to 2026-02-10		Nonparametric	0.223	0.230	0.200	0.240	0.0208	0.0932	-1.29
14_3_116	MW-6	Appendix IV	Lithium	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0476	0.0475	0.0320	0.0670	0.00849	0.178	0.289
14_3_118	MW-6	Appendix IV	Molybdenum	mg/l	20	0	0%	2020-04-28 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0239	0.0245	0.0120	0.0360	0.00616	0.258	-0.395
14_3_121	MW-6	Appendix IV	Radium-226+228	pci/l	20	3	15%	2020-04-28 to 2026-02-10	Normal	Normal	1.23	0.961	0	4.29	1.03	0.838	1.76
14_5_114	MW-6	Part 115	Iron	mg/l	20	9	45%	2020-04-28 to 2026-02-10	Gamma; Lognormal	Gamma	0.0534	0.0300	0.0190	0.200	0.0527	0.988	2.51
14_5_119	MW-6	Part 115	Nickel	mg/l	20	5	25%	2020-04-28 to 2026-02-10	Nonparametric	Nonparametric	0.00586	0.00700	0.00190	0.00800	0.00183	0.312	-1.23
14_5_129	MW-6	Part 115	Zinc	mg/l	20	16	80%	2020-04-28 to 2026-02-10		Nonparametric	0.00967	0.00175	0.00120	0.0340	0.0162	1.68	2.0
15_2_105	MW-7	Appendix III	Boron	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	1.86	1.88	1.08	2.75	0.383	0.206	0.127
15_2_107	MW-7	Appendix III	Calcium	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Nonparametric	Nonparametric	117	110	97.2	165	17.7	0.152	1.80
15_2_108	MW-7	Appendix III	Chloride	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	79.4	78.0	72.2	98.0	6.91	0.0870	1.37
15_2_112	MW-7	Appendix III	Fluoride	mg/l	16	11	69%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Nonparametric	0.358	0.360	0.300	0.420	0.0440	0.123	0.226
15_2_120	MW-7	Appendix III	pH, Field	su	19	0	0%	2021-06-15 to 2026-04-21	Gamma; Lognormal	Gamma	7.42	7.40	7.09	8.18	0.231	0.0311	1.80
15_2_124	MW-7	Appendix III	Sulfate	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	200	190	171	270	28.4	0.142	1.61

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
15_2_126	MW-7	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	2021-06-15 to 2026-04-21	Nonparametric	Nonparametric	623	601	548	864	79.2	0.127	2.38
15_3_102	MW-7	Appendix IV	Arsenic	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Normal	Normal	0.00522	0.00565	0.00270	0.00700	0.00114	0.218	-0.782
15_3_103	MW-7	Appendix IV	Barium	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0526	0.0530	0.0360	0.0620	0.00631	0.120	-0.970
15_3_106	MW-7	Appendix IV	Cadmium	mg/l	16	15	94%	2021-06-15 to 2026-02-11		Nonparametric	0.000120	0.000120	0.000120	0.000120	NA	NA	NA
15_3_109	MW-7	Appendix IV	Chromium	mg/l	16	15	94%	2021-06-15 to 2026-02-11		Nonparametric	0.00700	0.00700	0.00700	0.00700	NA	NA	NA
15_3_110	MW-7	Appendix IV	Cobalt	mg/l	16	13	81%	2021-06-15 to 2026-02-11		Nonparametric	0.000193	0.000160	0.000160	0.000260	0.0000577	0.299	1.73
15_3_113	MW-7	Appendix IV	Fluoride (App IV)	mg/l	16	11	69%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Nonparametric	0.358	0.360	0.300	0.420	0.0440	0.123	0.226
15_3_116	MW-7	Appendix IV	Lithium	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0876	0.0875	0.0630	0.112	0.0130	0.148	-0.0245
15_3_117	MW-7	Appendix IV	Mercury	mg/l	16	15	94%	2021-06-15 to 2026-02-11		Nonparametric	0.000200	0.000200	0.000200	0.000200	NA	NA	NA
15_3_118	MW-7	Appendix IV	Molybdenum	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Nonparametric	Nonparametric	0.223	0.228	0.146	0.296	0.0601	0.269	-0.0340
15_3_121	MW-7	Appendix IV	Radium-226+228	pci/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	2.02	1.81	0.514	5.44	1.46	0.724	1.28
15_3_125	MW-7	Appendix IV	Thallium	mg/l	16	15	94%	2021-06-15 to 2026-02-11		Nonparametric	0.000700	0.000700	0.000700	0.000700	NA	NA	NA
15_5_114	MW-7	Part 115	Iron	mg/l	16	0	0%	2021-06-15 to 2026-02-11	Gamma; Lognormal	Gamma	1.40	1.32	0.900	2.81	0.449	0.322	2.26
15_5_128	MW-7	Part 115	Vanadium	mg/l	16	15	94%	2021-06-15 to 2026-02-11		Nonparametric	0.00600	0.00600	0.00600	0.00600	NA	NA	NA
15_5_129	MW-7	Part 115	Zinc	mg/l	16	12	75%	2021-06-15 to 2026-02-11		Nonparametric	0.00732	0.00700	0.00130	0.0140	0.00520	0.710	0.373
16_2_105	MW-7C	Appendix III	Boron	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	6.52	6.50	5.90	7.24	0.295	0.0453	0.373
16_2_107	MW-7C	Appendix III	Calcium	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	236	241	183	277	20.7	0.0878	-0.810
16_2_108	MW-7C	Appendix III	Chloride	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	92.5	93.0	83.0	105	5.42	0.0586	0.677
16_2_112	MW-7C	Appendix III	Fluoride	mg/l	15	12	80%	2022-03-10 to 2026-02-10		Nonparametric	0.270	0.270	0.240	0.300	0.0300	0.111	-0.00000000000000847
16_2_120	MW-7C	Appendix III	pH, Field	su	17	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.35	7.35	7.23	7.51	0.0846	0.0115	0.394
16_2_124	MW-7C	Appendix III	Sulfate	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	678	668	630	751	36.4	0.0538	0.749
16_2_126	MW-7C	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Normal	Normal	1335	1360	1100	1500	102	0.0761	-0.888
16_3_102	MW-7C	Appendix IV	Arsenic	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal	Gamma	0.00635	0.00600	0.00450	0.0100	0.00126	0.198	1.65
16_3_103	MW-7C	Appendix IV	Barium	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0419	0.0420	0.0370	0.0470	0.00294	0.0701	0.0363
16_3_106	MW-7C	Appendix IV	Cadmium	mg/l	15	11	73%	2022-03-10 to 2026-02-10		Nonparametric	0.000640	0.000750	0.000160	0.000900	0.000330	0.516	-1.64
16_3_110	MW-7C	Appendix IV	Cobalt	mg/l	15	14	93%	2022-03-10 to 2026-02-10		Nonparametric	0.000200	0.000200	0.000200	0.000200	NA	NA	NA
16_3_113	MW-7C	Appendix IV	Fluoride (App IV)	mg/l	15	12	80%	2022-03-10 to 2026-02-10		Nonparametric	0.270	0.270	0.240	0.300	0.0300	0.111	-0.00000000000000847
16_3_116	MW-7C	Appendix IV	Lithium	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.124	0.126	0.110	0.138	0.00895	0.0720	-0.403
16_3_117	MW-7C	Appendix IV	Mercury	mg/l	16	15	94%	2022-03-10 to 2026-02-10		Nonparametric	0.000000460	0.000000460	0.000000460	0.000000460	NA	NA	NA
16_3_118	MW-7C	Appendix IV	Molybdenum	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.389	0.390	0.340	0.422	0.0240	0.0618	-0.703
16_3_121	MW-7C	Appendix IV	Radium-226+228	pci/l	15	1	7%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1.98	1.72	0.773	3.66	1.07	0.540	0.600
16_5_114	MW-7C	Part 115	Iron	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	3.95	4.02	2.80	4.41	0.395	0.0998	-1.78
16_5_119	MW-7C	Part 115	Nickel	mg/l	15	0	0%	2022-03-10 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.00743	0.00700	0.00590	0.0100	0.000980	0.132	0.993
16_5_129	MW-7C	Part 115	Zinc	mg/l	15	12	80%	2022-03-10 to 2026-02-10		Nonparametric	0.00317	0.00230	0.00120	0.00600	0.00251	0.794	1.37
17_2_105	MW-8	Appendix III	Boron	mg/l	16	1	6%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0889	0.0800	0.0400	0.210	0.0421	0.474	1.81
17_2_107	MW-8	Appendix III	Calcium	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	94.8	94	86.5	110	6.51	0.0687	0.777
17_2_108	MW-8	Appendix III	Chloride	mg/l	16	2	12%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	23.4	16.0	4.45	66.0	18.9	0.806	1.44
17_2_112	MW-8	Appendix III	Fluoride	mg/l	16	12	75%	2021-06-15 to 2026-02-05		Nonparametric	0.0537	0.0550	0.0460	0.0587	0.00547	0.102	-1.28
17_2_120	MW-8	Appendix III	pH, Field	su	16	0	0%	2021-06-15 to 2026-02-05	Nonparametric	Nonparametric	7.15	7.11	6.99	7.78	0.190	0.0266	2.67
17_2_124	MW-8	Appendix III	Sulfate	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	24.4	21.7	11.0	52.0	12.2	0.499	1.16
17_2_126	MW-8	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	388	383	340	460	29.4	0.0757	0.900
17_3_102	MW-8	Appendix IV	Arsenic	mg/l	16	14	88%	2021-06-15 to 2026-02-05		Nonparametric	0.00175	0.00175	0.00150	0.00200	0.000354	0.202	NA
17_3_103	MW-8	Appendix IV	Barium	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0219	0.0215	0.0170	0.0280	0.00289	0.132	0.470

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
17_3_104	MW-8	Appendix IV	Beryllium	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.000310	0.000310	0.000310	0.000310	NA	NA	NA
17_3_106	MW-8	Appendix IV	Cadmium	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.000210	0.000210	0.000210	0.000210	NA	NA	NA
17_3_110	MW-8	Appendix IV	Cobalt	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.000370	0.000370	0.000370	0.000370	NA	NA	NA
17_3_113	MW-8	Appendix IV	Fluoride (App IV)	mg/l	16	12	75%	2021-06-15 to 2026-02-05		Nonparametric	0.0537	0.0550	0.0460	0.0587	0.00547	0.102	-1.28
17_3_116	MW-8	Appendix IV	Lithium	mg/l	16	6	38%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.00757	0.00710	0.00450	0.0130	0.00269	0.355	0.810
17_3_118	MW-8	Appendix IV	Molybdenum	mg/l	16	11	69%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	0.00604	0.00540	0.00200	0.0130	0.00419	0.694	1.47
17_3_121	MW-8	Appendix IV	Radium-226+228	pci/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.82	1.20	0.118	6.21	1.69	0.928	1.47
17_3_125	MW-8	Appendix IV	Thallium	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.000560	0.000560	0.000560	0.000560	NA	NA	NA
17_5_111	MW-8	Part 115	Copper	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.0100	0.0100	0.0100	0.0100	NA	NA	NA
17_5_114	MW-8	Part 115	Iron	mg/l	16	13	81%	2021-06-15 to 2026-02-05		Nonparametric	0.0267	0.0200	0.0150	0.0450	0.0161	0.603	1.55
17_5_128	MW-8	Part 115	Vanadium	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.00500	0.00500	0.00500	0.00500	NA	NA	NA
17_5_129	MW-8	Part 115	Zinc	mg/l	16	14	88%	2021-06-15 to 2026-02-05		Nonparametric	0.00440	0.00440	0.00180	0.00700	0.00368	0.836	NA
18_2_105	MW-9	Appendix III	Boron	mg/l	16	14	88%	2021-06-15 to 2026-02-05		Nonparametric	0.0355	0.0355	0.0310	0.0400	0.00636	0.179	NA
18_2_107	MW-9	Appendix III	Calcium	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	79.2	76.9	61.8	100	12.5	0.157	0.430
18_2_108	MW-9	Appendix III	Chloride	mg/l	16	10	62%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	3.68	3.55	1.11	6.10	2.0	0.542	-0.0213
18_2_112	MW-9	Appendix III	Fluoride	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.0330	0.0330	0.0330	0.0330	NA	NA	NA
18_2_120	MW-9	Appendix III	pH, Field	su	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	7.28	7.28	7.05	7.74	0.177	0.0242	1.00
18_2_124	MW-9	Appendix III	Sulfate	mg/l	16	8	50%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	9.16	9.10	3.58	16.0	4.25	0.464	0.258
18_2_126	MW-9	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	276	262	232	360	41.0	0.149	1.10
18_3_102	MW-9	Appendix IV	Arsenic	mg/l	16	14	88%	2021-06-15 to 2026-02-05		Nonparametric	0.00205	0.00205	0.00110	0.00300	0.00134	0.655	NA
18_3_103	MW-9	Appendix IV	Barium	mg/l	16	0	0%	2021-06-15 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0152	0.0150	0.0130	0.0200	0.00201	0.132	0.837
18_3_104	MW-9	Appendix IV	Beryllium	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.000280	0.000280	0.000280	0.000280	NA	NA	NA
18_3_106	MW-9	Appendix IV	Cadmium	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.000160	0.000160	0.000160	0.000160	NA	NA	NA
18_3_110	MW-9	Appendix IV	Cobalt	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.000160	0.000160	0.000160	0.000160	NA	NA	NA
18_3_113	MW-9	Appendix IV	Fluoride (App IV)	mg/l	16	15	94%	2021-06-15 to 2026-02-05		Nonparametric	0.0330	0.0330	0.0330	0.0330	NA	NA	NA
18_3_121	MW-9	Appendix IV	Radium-226+228	pci/l	16	0	0%	2021-06-15 to 2026-02-05	Normal	Normal	1.08	0.952	0	2.37	0.779	0.721	0.356
18_5_129	MW-9	Part 115	Zinc	mg/l	16	14	88%	2021-06-15 to 2026-02-05		Nonparametric	0.00510	0.00510	0.00120	0.00900	0.00552	1.08	NA
19_2_105	MW-10	Appendix III	Boron	mg/l	16	1	6%	2021-06-15 to 2026-02-04	Lognormal; Normal	Lognormal	0.0520	0.0500	0.0400	0.0700	0.00846	0.163	0.390
19_2_107	MW-10	Appendix III	Calcium	mg/l	16	0	0%	2021-06-15 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	126	128	110	142	9.90	0.0784	0.0392
19_2_108	MW-10	Appendix III	Chloride	mg/l	16	9	56%	2021-06-15 to 2026-02-04	Gamma; Lognormal	Nonparametric	3.30	1.60	1.03	9.30	3.14	0.949	1.55
19_2_112	MW-10	Appendix III	Fluoride	mg/l	16	12	75%	2021-06-15 to 2026-02-04		Nonparametric	0.0617	0.0580	0.0480	0.0830	0.0163	0.264	0.840
19_2_120	MW-10	Appendix III	pH, Field	su	16	0	0%	2021-06-15 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	6.74	6.71	6.49	7.30	0.197	0.0292	1.41
19_2_124	MW-10	Appendix III	Sulfate	mg/l	16	0	0%	2021-06-15 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	14.7	14.2	8.90	27.8	4.63	0.316	1.37
19_2_126	MW-10	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	2021-06-15 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	423	430	340	494	44.4	0.105	-0.203
19_3_102	MW-10	Appendix IV	Arsenic	mg/l	16	14	88%	2021-06-15 to 2026-02-04		Nonparametric	0.00147	0.00147	0.000950	0.00200	0.000742	0.503	NA
19_3_103	MW-10	Appendix IV	Barium	mg/l	16	0	0%	2021-06-15 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0384	0.0390	0.0290	0.0470	0.00521	0.136	-0.315
19_3_106	MW-10	Appendix IV	Cadmium	mg/l	16	14	88%	2021-06-15 to 2026-02-04		Nonparametric	0.000150	0.000150	0.0000990	0.000200	0.0000714	0.478	NA
19_3_110	MW-10	Appendix IV	Cobalt	mg/l	16	14	88%	2021-06-15 to 2026-02-04		Nonparametric	0.000103	0.000103	0.0000860	0.000120	0.0000240	0.233	NA
19_3_113	MW-10	Appendix IV	Fluoride (App IV)	mg/l	16	12	75%	2021-06-15 to 2026-02-04		Nonparametric	0.0617	0.0580	0.0480	0.0830	0.0163	0.264	0.840
19_3_117	MW-10	Appendix IV	Mercury	mg/l	16	15	94%	2021-06-15 to 2026-02-04		Nonparametric	0.000200	0.000200	0.000200	0.000200	NA	NA	NA
19_3_121	MW-10	Appendix IV	Radium-226+228	pci/l	16	0	0%	2021-06-15 to 2026-02-04	Gamma; Lognormal	Gamma	1.24	0.797	0.262	3.30	0.995	0.805	1.07
19_3_122	MW-10	Appendix IV	Selenium	mg/l	16	13	81%	2021-06-15 to 2026-02-04		Nonparametric	0.00163	0.00150	0.00130	0.00210	0.000416	0.255	1.29
19_3_125	MW-10	Appendix IV	Thallium	mg/l	16	15	94%	2021-06-15 to 2026-02-04		Nonparametric	0.00110	0.00110	0.00110	0.00110	NA	NA	NA

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
19_5_114	MW-10	Part 115	Iron	mg/l	16	15	94%	2021-06-15 to 2026-02-04		Nonparametric	0.0410	0.0410	0.0410	0.0410	NA	NA	NA
19_5_128	MW-10	Part 115	Vanadium	mg/l	16	15	94%	2021-06-15 to 2026-02-04		Nonparametric	0.00100	0.00100	0.00100	0.00100	NA	NA	NA
19_5_129	MW-10	Part 115	Zinc	mg/l	16	13	81%	2021-06-15 to 2026-02-04		Nonparametric	0.0102	0.00900	0.00160	0.0200	0.00926	0.908	0.573
20_2_105	MW-13	Appendix III	Boron	mg/l	15	0	0%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.172	0.170	0.140	0.220	0.0237	0.138	0.285
20_2_107	MW-13	Appendix III	Calcium	mg/l	15	0	0%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	127	128	94.1	170	26.6	0.210	0.188
20_2_108	MW-13	Appendix III	Chloride	mg/l	15	2	13%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	21.4	18.0	9.00	45.0	11.9	0.556	1.09
20_2_112	MW-13	Appendix III	Fluoride	mg/l	15	12	80%	2022-02-23 to 2026-02-04		Nonparametric	0.147	0.140	0.130	0.170	0.0208	0.142	1.29
20_2_120	MW-13	Appendix III	pH, Field	su	15	0	0%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	6.94	7.01	6.39	7.25	0.229	0.0330	-0.888
20_2_124	MW-13	Appendix III	Sulfate	mg/l	15	0	0%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	72.0	45.0	16.0	210	59.6	0.828	1.22
20_2_126	MW-13	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	481	476	336	700	117	0.244	0.605
20_3_102	MW-13	Appendix IV	Arsenic	mg/l	15	9	60%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Nonparametric	0.00518	0.00510	0.00190	0.00800	0.00220	0.424	-0.251
20_3_103	MW-13	Appendix IV	Barium	mg/l	15	0	0%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0323	0.0290	0.0200	0.0600	0.00981	0.303	1.71
20_3_110	MW-13	Appendix IV	Cobalt	mg/l	15	12	80%	2022-02-23 to 2026-02-04		Nonparametric	0.000580	0.000450	0.000380	0.000910	0.000288	0.496	1.62
20_3_113	MW-13	Appendix IV	Fluoride (App IV)	mg/l	15	12	80%	2022-02-23 to 2026-02-04		Nonparametric	0.147	0.140	0.130	0.170	0.0208	0.142	1.29
20_3_121	MW-13	Appendix IV	Radium-226+228	pci/l	15	1	7%	2022-02-23 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.987	0.681	0.0699	2.31	0.820	0.831	0.566
20_3_122	MW-13	Appendix IV	Selenium	mg/l	15	13	87%	2022-02-23 to 2026-02-04		Nonparametric	0.00360	0.00360	0.00120	0.00600	0.00339	0.943	NA
20_5_114	MW-13	Part 115	Iron	mg/l	15	1	7%	2022-02-23 to 2026-02-04	Lognormal	Nonparametric	0.356	0.0500	0.0200	1.30	0.507	1.43	1.14
20_5_128	MW-13	Part 115	Vanadium	mg/l	15	13	87%	2022-02-23 to 2026-02-04		Nonparametric	0.00130	0.00130	0.00110	0.00150	0.000283	0.218	NA
20_5_129	MW-13	Part 115	Zinc	mg/l	15	12	80%	2022-02-23 to 2026-02-04		Nonparametric	0.00480	0.00330	0.00110	0.0100	0.00464	0.966	1.30
21_2_105	MW-14	Appendix III	Boron	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	2.07	2.11	1.60	2.29	0.180	0.0872	-1.46
21_2_107	MW-14	Appendix III	Calcium	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	153	148	141	173	10.6	0.0693	0.693
21_2_108	MW-14	Appendix III	Chloride	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	113	114	100	120	5.25	0.0465	-1.08
21_2_112	MW-14	Appendix III	Fluoride	mg/l	13	10	77%	2023-01-12 to 2026-02-11		Nonparametric	0.153	0.150	0.120	0.190	0.0351	0.229	0.423
21_2_120	MW-14	Appendix III	pH, Field	su	15	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	6.98	6.98	6.76	7.13	0.0946	0.0135	-0.670
21_2_124	MW-14	Appendix III	Sulfate	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Nonparametric	Nonparametric	70.6	16.0	3.90	748	204	2.88	3.60
21_2_126	MW-14	Appendix III	Total Dissolved Solids	mg/l	13	1	8%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	784	788	730	866	38.7	0.0494	0.446
21_3_102	MW-14	Appendix IV	Arsenic	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.00628	0.00640	0.00400	0.00800	0.00115	0.183	-0.320
21_3_103	MW-14	Appendix IV	Barium	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.132	0.131	0.119	0.177	0.0152	0.115	2.33
21_3_110	MW-14	Appendix IV	Cobalt	mg/l	13	10	77%	2023-01-12 to 2026-02-11		Nonparametric	0.000597	0.000570	0.000530	0.000690	0.0000833	0.140	1.29
21_3_113	MW-14	Appendix IV	Fluoride (App IV)	mg/l	13	10	77%	2023-01-12 to 2026-02-11		Nonparametric	0.153	0.150	0.120	0.190	0.0351	0.229	0.423
21_3_116	MW-14	Appendix IV	Lithium	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.108	0.109	0.0910	0.125	0.00997	0.0927	-0.0467
21_3_118	MW-14	Appendix IV	Molybdenum	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0130	0.0130	0.0100	0.0160	0.00158	0.122	0.149
21_3_121	MW-14	Appendix IV	Radium-226+228	pci/l	13	2	15%	2023-01-12 to 2026-02-11	Gamma; Lognormal	Gamma	1.91	0.994	0.464	6.88	1.97	1.03	2.08
21_3_122	MW-14	Appendix IV	Selenium	mg/l	13	11	85%	2023-01-12 to 2026-02-11		Nonparametric	0.0110	0.0110	0.00900	0.0130	0.00283	0.257	NA
21_5_114	MW-14	Part 115	Iron	mg/l	13	0	0%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	12.2	11.9	6.58	15.0	2.59	0.211	-0.724
21_5_119	MW-14	Part 115	Nickel	mg/l	13	6	46%	2023-01-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.00467	0.00500	0.00380	0.00600	0.000810	0.173	0.414
21_5_128	MW-14	Part 115	Vanadium	mg/l	13	10	77%	2023-01-12 to 2026-02-11		Nonparametric	0.00167	0.00160	0.00150	0.00190	0.000208	0.125	1.29
21_5_129	MW-14	Part 115	Zinc	mg/l	13	10	77%	2023-01-12 to 2026-02-11		Nonparametric	0.0144	0.0180	0.00110	0.0240	0.0119	0.827	-1.25
22_2_105	MW-15	Appendix III	Boron	mg/l	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.364	0.370	0.230	0.440	0.0575	0.158	-0.955
22_2_107	MW-15	Appendix III	Calcium	mg/l	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	134	131	104	183	19.5	0.146	1.12
22_2_108	MW-15	Appendix III	Chloride	mg/l	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	78.8	74.7	59.0	110	15.3	0.195	0.655
22_2_112	MW-15	Appendix III	Fluoride	mg/l	13	10	77%	2023-01-12 to 2026-02-05		Nonparametric	0.0457	0.0470	0.0420	0.0480	0.00321	0.0704	-1.55
22_2_120	MW-15	Appendix III	pH, Field	su	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	6.81	6.83	6.65	6.99	0.121	0.0178	0.223

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
22_2_124	MW-15	Appendix III	Sulfate	mg/l	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	119	110	49.7	238	42.4	0.357	1.74
22_2_126	MW-15	Appendix III	Total Dissolved Solids	mg/l	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	640	638	528	878	87.6	0.137	1.65
22_3_102	MW-15	Appendix IV	Arsenic	mg/l	13	10	77%	2023-01-12 to 2026-02-05		Nonparametric	0.00132	0.000990	0.000970	0.00200	0.000589	0.446	1.73
22_3_103	MW-15	Appendix IV	Barium	mg/l	13	0	0%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0572	0.0580	0.0420	0.0770	0.00977	0.171	0.481
22_3_106	MW-15	Appendix IV	Cadmium	mg/l	13	12	92%	2023-01-12 to 2026-02-05		Nonparametric	0.0000800	0.0000800	0.0000800	0.0000800	NA	NA	NA
22_3_110	MW-15	Appendix IV	Cobalt	mg/l	13	11	85%	2023-01-12 to 2026-02-05		Nonparametric	0.000355	0.000355	0.000140	0.000570	0.000304	0.856	NA
22_3_113	MW-15	Appendix IV	Fluoride (App IV)	mg/l	13	10	77%	2023-01-12 to 2026-02-05		Nonparametric	0.0457	0.0470	0.0420	0.0480	0.00321	0.0704	-1.55
22_3_116	MW-15	Appendix IV	Lithium	mg/l	13	12	92%	2023-01-12 to 2026-02-05		Nonparametric	0.0140	0.0140	0.0140	0.0140	NA	NA	NA
22_3_121	MW-15	Appendix IV	Radium-226+228	pci/l	13	1	8%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.10	0.898	0.316	2.06	0.615	0.561	0.484
22_3_122	MW-15	Appendix IV	Selenium	mg/l	13	5	38%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0190	0.0200	0.00900	0.0340	0.00872	0.459	0.435
22_5_114	MW-15	Part 115	Iron	mg/l	13	1	8%	2023-01-12 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.108	0.0905	0.0200	0.380	0.100	0.933	2.01
22_5_119	MW-15	Part 115	Nickel	mg/l	13	12	92%	2023-01-12 to 2026-02-05		Nonparametric	0.00190	0.00190	0.00190	0.00190	NA	NA	NA
22_5_129	MW-15	Part 115	Zinc	mg/l	13	11	85%	2023-01-12 to 2026-02-05		Nonparametric	0.0114	0.0114	0.00190	0.0210	0.0135	1.18	NA
23_2_105	MW-16A	Appendix III	Boron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	0.169	0.175	0.0920	0.250	0.0578	0.341	-0.116
23_2_107	MW-16A	Appendix III	Calcium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	184	176	145	226	26.0	0.141	0.116
23_2_108	MW-16A	Appendix III	Chloride	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	431	430	360	505	47.9	0.111	0.0833
23_2_112	MW-16A	Appendix III	Fluoride	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	0.103	0.0980	0.0700	0.140	0.0352	0.343	0.586
23_2_120	MW-16A	Appendix III	pH, Field	su	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	6.83	6.82	6.67	7.00	0.100	0.0147	0.379
23_2_124	MW-16A	Appendix III	Sulfate	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	194	200	86.0	341	73.7	0.381	0.239
23_2_126	MW-16A	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	1409	1380	1100	1720	193	0.137	-0.0222
23_3_101	MW-16A	Appendix IV	Antimony	mg/l	14	12	86%	2023-02-02 to 2026-02-09		Nonparametric	0.000845	0.000845	0.000710	0.000980	0.000191	0.226	NA
23_3_102	MW-16A	Appendix IV	Arsenic	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Normal	Normal	0.00308	0.00300	0.000930	0.00500	0.00103	0.334	-0.319
23_3_103	MW-16A	Appendix IV	Barium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	0.142	0.141	0.100	0.178	0.0247	0.173	-0.158
23_3_104	MW-16A	Appendix IV	Beryllium	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.000450	0.000450	0.000450	0.000450	NA	NA	NA
23_3_106	MW-16A	Appendix IV	Cadmium	mg/l	14	12	86%	2023-02-02 to 2026-02-09		Nonparametric	0.000235	0.000235	0.000230	0.000240	0.00000707	0.0301	NA
23_3_110	MW-16A	Appendix IV	Cobalt	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	0.000960	0.00110	0.000580	0.00120	0.000333	0.347	-1.56
23_3_113	MW-16A	Appendix IV	Fluoride (App IV)	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	0.103	0.0980	0.0700	0.140	0.0352	0.343	0.586
23_3_116	MW-16A	Appendix IV	Lithium	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	0.00413	0.00390	0.00350	0.00500	0.000777	0.188	1.23
23_3_118	MW-16A	Appendix IV	Molybdenum	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	0.00200	0.00170	0.00140	0.00290	0.000794	0.397	1.46
23_3_121	MW-16A	Appendix IV	Radium-226+228	pci/l	14	1	7%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	2.00	1.18	0.562	7.46	1.97	0.983	1.99
23_3_122	MW-16A	Appendix IV	Selenium	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.00500	0.00500	0.00500	0.00500	NA	NA	NA
23_3_125	MW-16A	Appendix IV	Thallium	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.000620	0.000620	0.000620	0.000620	NA	NA	NA
23_5_114	MW-16A	Part 115	Iron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Normal	Gamma	3.03	3.06	0.780	4.38	0.885	0.292	-0.964
23_5_119	MW-16A	Part 115	Nickel	mg/l	14	12	86%	2023-02-02 to 2026-02-09		Nonparametric	0.00185	0.00185	0.00150	0.00220	0.000495	0.268	NA
24_2_105	MW-16B	Appendix III	Boron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	0.114	0.110	0.0830	0.130	0.0115	0.101	-1.18
24_2_107	MW-16B	Appendix III	Calcium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	80.4	81.2	73.0	85.4	3.66	0.0455	-0.732
24_2_108	MW-16B	Appendix III	Chloride	mg/l	14	5	36%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	5.99	3.70	2.80	17.0	4.82	0.805	1.94
24_2_112	MW-16B	Appendix III	Fluoride	mg/l	14	8	57%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Nonparametric	0.798	0.895	0.310	1.00	0.269	0.337	-1.46
24_2_120	MW-16B	Appendix III	pH, Field	su	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	7.40	7.42	7.22	7.56	0.100	0.0136	-0.439
24_2_124	MW-16B	Appendix III	Sulfate	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	18.2	17.9	15.0	22.0	2.21	0.121	0.621
24_2_126	MW-16B	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	363	366	350	378	9.56	0.0264	-0.137
24_3_103	MW-16B	Appendix IV	Barium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	0.0860	0.0855	0.0780	0.0910	0.00346	0.0403	-0.687
24_3_113	MW-16B	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Nonparametric	0.798	0.895	0.310	1.00	0.269	0.337	-1.46

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
24_3_116	MW-16B	Appendix IV	Lithium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	0.0209	0.0210	0.0170	0.0230	0.00161	0.0772	-0.892
24_3_118	MW-16B	Appendix IV	Molybdenum	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	0.00614	0.00600	0.00500	0.00800	0.000692	0.113	1.42
24_3_121	MW-16B	Appendix IV	Radium-226+228	pci/l	14	1	7%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	2.32	1.91	1.04	6.43	1.46	0.629	2.20
24_3_122	MW-16B	Appendix IV	Selenium	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.00600	0.00600	0.00600	0.00600	NA	NA	NA
24_5_114	MW-16B	Part 115	Iron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	0.476	0.415	0.320	0.930	0.164	0.343	1.92
24_5_129	MW-16B	Part 115	Zinc	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.00250	0.00250	0.00250	0.00250	NA	NA	NA
25_2_105	MW-17A	Appendix III	Boron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	4.04	3.90	3.60	4.70	0.376	0.0933	1.04
25_2_107	MW-17A	Appendix III	Calcium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	248	244	220	270	15.6	0.0629	-0.144
25_2_108	MW-17A	Appendix III	Chloride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	69.9	68.7	67.0	75.0	2.62	0.0374	1.05
25_2_112	MW-17A	Appendix III	Fluoride	mg/l	9	3	33%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.277	0.260	0.190	0.440	0.0862	0.311	1.68
25_2_120	MW-17A	Appendix III	pH, Field	su	11	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.16	7.16	7.01	7.31	0.0788	0.0110	0.117
25_2_124	MW-17A	Appendix III	Sulfate	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	667	670	569	720	45.9	0.0689	-1.04
25_2_126	MW-17A	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	1299	1300	1100	1400	86.7	0.0667	-1.43
25_3_102	MW-17A	Appendix IV	Arsenic	mg/l	9	1	11%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.00164	0.00170	0.00110	0.00230	0.000460	0.281	-0.0153
25_3_103	MW-17A	Appendix IV	Barium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0408	0.0390	0.0350	0.0480	0.00466	0.114	0.582
25_3_106	MW-17A	Appendix IV	Cadmium	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.000120	0.000120	0.000120	0.000120	NA	NA	NA
25_3_110	MW-17A	Appendix IV	Cobalt	mg/l	9	7	78%	2024-10-08 to 2026-02-10		Nonparametric	0.000180	0.000180	0.000130	0.000230	0.0000707	0.393	NA
25_3_113	MW-17A	Appendix IV	Fluoride (App IV)	mg/l	9	3	33%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.277	0.260	0.190	0.440	0.0862	0.311	1.68
25_3_116	MW-17A	Appendix IV	Lithium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0537	0.0530	0.0440	0.0590	0.00487	0.0908	-0.656
25_3_118	MW-17A	Appendix IV	Molybdenum	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0183	0.0170	0.0140	0.0280	0.00436	0.238	1.54
25_3_121	MW-17A	Appendix IV	Radium-226+228	pci/l	9	2	22%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	1.56	0.830	0.614	5.52	1.78	1.14	2.47
25_3_122	MW-17A	Appendix IV	Selenium	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.00100	0.00100	0.00100	0.00100	NA	NA	NA
25_3_125	MW-17A	Appendix IV	Thallium	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.000790	0.000790	0.000790	0.000790	NA	NA	NA
25_5_114	MW-17A	Part 115	Iron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.18	7.10	6.32	9.30	0.897	0.125	1.85
25_5_119	MW-17A	Part 115	Nickel	mg/l	9	1	11%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0127	0.0130	0.0110	0.0150	0.00139	0.109	0.160
25_5_129	MW-17A	Part 115	Zinc	mg/l	9	4	44%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	0.0984	0.00340	0.00120	0.470	0.208	2.11	2.23
26_2_105	MW-17B	Appendix III	Boron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	2.16	1.90	1.70	4.10	0.742	0.343	2.78
26_2_107	MW-17B	Appendix III	Calcium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	140	130	110	243	40.5	0.288	2.45
26_2_108	MW-17B	Appendix III	Chloride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	72.7	74.0	67.0	80.9	4.63	0.0637	0.240
26_2_112	MW-17B	Appendix III	Fluoride	mg/l	9	2	22%	2024-10-08 to 2026-02-10	Normal	Normal	0.306	0.330	0.130	0.380	0.0822	0.269	-2.05
26_2_120	MW-17B	Appendix III	pH, Field	su	11	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.33	7.35	6.87	7.65	0.188	0.0257	-1.13
26_2_124	MW-17B	Appendix III	Sulfate	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	385	352	320	643	101	0.262	2.56
26_2_126	MW-17B	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	866	846	660	1400	213	0.246	2.31
26_3_102	MW-17B	Appendix IV	Arsenic	mg/l	9	1	11%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	0.00258	0.00210	0.00180	0.00400	0.000883	0.343	0.801
26_3_103	MW-17B	Appendix IV	Barium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0478	0.0440	0.0370	0.0700	0.0112	0.235	0.989
26_3_106	MW-17B	Appendix IV	Cadmium	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.0000970	0.0000970	0.0000970	0.0000970	NA	NA	NA
26_3_110	MW-17B	Appendix IV	Cobalt	mg/l	9	5	56%	2024-10-08 to 2026-02-10		Nonparametric	0.000151	0.000125	0.0000940	0.000260	0.0000769	0.509	1.43
26_3_113	MW-17B	Appendix IV	Fluoride (App IV)	mg/l	9	2	22%	2024-10-08 to 2026-02-10	Normal	Normal	0.306	0.330	0.130	0.380	0.0822	0.269	-2.05
26_3_116	MW-17B	Appendix IV	Lithium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0893	0.0910	0.0590	0.117	0.0151	0.169	-0.308
26_3_118	MW-17B	Appendix IV	Molybdenum	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	0.0922	0.0980	0.0180	0.115	0.0292	0.317	-2.48
26_3_121	MW-17B	Appendix IV	Radium-226+228	pci/l	9	2	22%	2024-10-08 to 2026-02-10	Lognormal	Lognormal	1.36	0.781	0.662	2.66	0.853	0.627	0.884
26_5_114	MW-17B	Part 115	Iron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Lognormal	Lognormal	2.78	2.30	1.80	7.27	1.72	0.619	2.75
26_5_119	MW-17B	Part 115	Nickel	mg/l	9	3	33%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.00367	0.00370	0.00300	0.00430	0.000484	0.132	-0.123

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
26_5_129	MW-17B	Part 115	Zinc	mg/l	9	3	33%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0843	0.0325	0.00910	0.300	0.113	1.35	1.84
27_2_105	MW-17C	Appendix III	Boron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	2.27	2.20	1.70	2.90	0.466	0.205	0.318
27_2_107	MW-17C	Appendix III	Calcium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	161	160	114	210	31.2	0.194	-0.0923
27_2_108	MW-17C	Appendix III	Chloride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	60.3	59.0	43.0	74.5	9.51	0.158	-0.0235
27_2_112	MW-17C	Appendix III	Fluoride	mg/l	9	2	22%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.307	0.330	0.230	0.340	0.0431	0.140	-1.14
27_2_120	MW-17C	Appendix III	pH, Field	su	11	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.12	7.11	6.47	7.57	0.284	0.0399	-0.699
27_2_124	MW-17C	Appendix III	Sulfate	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Normal	Gamma	501	530	321	620	107	0.214	-1.04
27_2_126	MW-17C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1046	1100	818	1300	159	0.152	-0.164
27_3_101	MW-17C	Appendix IV	Antimony	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.000720	0.000720	0.000720	0.000720	NA	NA	NA
27_3_102	MW-17C	Appendix IV	Arsenic	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.00328	0.00270	0.00200	0.00600	0.00132	0.403	1.11
27_3_103	MW-17C	Appendix IV	Barium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	0.0634	0.0630	0.0540	0.0880	0.0102	0.162	1.93
27_3_110	MW-17C	Appendix IV	Cobalt	mg/l	9	4	44%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.000215	0.000130	0.0000970	0.000520	0.000179	0.829	1.79
27_3_113	MW-17C	Appendix IV	Fluoride (App IV)	mg/l	9	2	22%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.307	0.330	0.230	0.340	0.0431	0.140	-1.14
27_3_115	MW-17C	Appendix IV	Lead	mg/l	9	6	67%	2024-10-08 to 2026-02-10		Nonparametric	0.000770	0.000800	0.000690	0.000820	0.0000700	0.0909	-1.57
27_3_116	MW-17C	Appendix IV	Lithium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Lognormal	Lognormal	0.0597	0.0550	0.0370	0.0940	0.0188	0.315	1.16
27_3_118	MW-17C	Appendix IV	Molybdenum	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0568	0.0500	0.0260	0.107	0.0300	0.529	0.726
27_3_121	MW-17C	Appendix IV	Radium-226+228	pci/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1.36	1.40	0.738	2.51	0.600	0.440	0.792
27_5_114	MW-17C	Part 115	Iron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	3.10	2.70	1.26	4.90	1.28	0.413	0.248
27_5_119	MW-17C	Part 115	Nickel	mg/l	9	1	11%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.00855	0.00895	0.00540	0.0110	0.00185	0.217	-0.675
27_5_129	MW-17C	Part 115	Zinc	mg/l	9	4	44%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	0.234	0.00550	0.00300	1.10	0.485	2.07	2.22
28_2_105	MW-18A	Appendix III	Boron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal	Gamma	1.18	0.825	0.640	3.47	0.834	0.709	2.79
28_2_107	MW-18A	Appendix III	Calcium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	86.6	90.0	5.69	110	29.9	0.345	-2.59
28_2_108	MW-18A	Appendix III	Chloride	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	68.5	78.9	2.20	85.0	24.5	0.357	-2.64
28_2_112	MW-18A	Appendix III	Fluoride	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.580	0.570	0.290	0.890	0.159	0.274	0.192
28_2_120	MW-18A	Appendix III	pH, Field	su	12	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	7.36	7.39	6.89	7.67	0.203	0.0276	-0.854
28_2_124	MW-18A	Appendix III	Sulfate	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	150	170	0.900	180	54.1	0.360	-2.82
28_2_126	MW-18A	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	519	527	392	586	56.0	0.108	-1.21
28_3_102	MW-18A	Appendix IV	Arsenic	mg/l	10	4	40%	2024-10-08 to 2026-02-04	Gamma; Lognormal	Gamma	0.00190	0.00140	0.000760	0.00500	0.00158	0.830	2.04
28_3_103	MW-18A	Appendix IV	Barium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Normal	Normal	0.0478	0.0420	0.00500	0.0770	0.0210	0.440	-0.511
28_3_113	MW-18A	Appendix IV	Fluoride (App IV)	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.580	0.570	0.290	0.890	0.159	0.274	0.192
28_3_115	MW-18A	Appendix IV	Lead	mg/l	10	8	80%	2024-10-08 to 2026-02-04		Nonparametric	0.000455	0.000455	0.000450	0.000460	0.00000707	0.0155	NA
28_3_116	MW-18A	Appendix IV	Lithium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Normal	Gamma	0.0734	0.0680	0.0260	0.110	0.0243	0.331	-0.208
28_3_118	MW-18A	Appendix IV	Molybdenum	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.101	0.110	0.0720	0.120	0.0180	0.178	-0.905
28_3_121	MW-18A	Appendix IV	Radium-226+228	pci/l	10	2	20%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	1.42	1.23	0.676	3.19	0.770	0.544	2.08
28_3_122	MW-18A	Appendix IV	Selenium	mg/l	10	9	90%	2024-10-08 to 2026-02-04		Nonparametric	0.00150	0.00150	0.00150	0.00150	NA	NA	NA
28_5_111	MW-18A	Part 115	Copper	mg/l	10	9	90%	2024-10-08 to 2026-02-04		Nonparametric	0.00200	0.00200	0.00200	0.00200	NA	NA	NA
28_5_114	MW-18A	Part 115	Iron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Normal	Gamma	1.86	1.58	0.0300	3.40	1.09	0.588	0.166
28_5_129	MW-18A	Part 115	Zinc	mg/l	10	7	70%	2024-10-08 to 2026-02-04		Nonparametric	0.00120	0.00110	0.00100	0.00150	0.000265	0.220	1.46
29_2_105	MW-18B	Appendix III	Boron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	2.73	3.04	1.09	3.40	0.716	0.262	-1.56
29_2_107	MW-18B	Appendix III	Calcium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	152	160	89.8	170	25.4	0.167	-1.90
29_2_108	MW-18B	Appendix III	Chloride	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	85.9	87.2	70.7	92.0	6.17	0.0718	-1.88
29_2_112	MW-18B	Appendix III	Fluoride	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.293	0.330	0.120	0.370	0.0831	0.283	-1.33
29_2_120	MW-18B	Appendix III	pH, Field	su	12	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	7.29	7.29	7.16	7.41	0.0833	0.0114	0.0418

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
29_2_124	MW-18B	Appendix III	Sulfate	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Normal	Normal	388	410	143	460	94.1	0.243	-2.26
29_2_126	MW-18B	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	868	899	562	1000	124	0.143	-1.89
29_3_102	MW-18B	Appendix IV	Arsenic	mg/l	10	8	80%	2024-10-08 to 2026-02-04		Nonparametric	0.00310	0.00310	0.00120	0.00500	0.00269	0.867	NA
29_3_103	MW-18B	Appendix IV	Barium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	0.0567	0.0580	0.0430	0.0640	0.00550	0.0970	-1.78
29_3_113	MW-18B	Appendix IV	Fluoride (App IV)	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.293	0.330	0.120	0.370	0.0831	0.283	-1.33
29_3_116	MW-18B	Appendix IV	Lithium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	0.122	0.130	0.0920	0.132	0.0150	0.123	-1.61
29_3_117	MW-18B	Appendix IV	Mercury	mg/l	11	10	91%	2024-10-08 to 2026-02-04		Nonparametric	0.000000420	0.000000420	0.000000420	0.000000420	NA	NA	NA
29_3_118	MW-18B	Appendix IV	Molybdenum	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Nonparametric	Nonparametric	0.131	0.140	0.100	0.150	0.0187	0.143	-0.977
29_3_121	MW-18B	Appendix IV	Radium-226+228	pci/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	2.45	2.13	0.902	5.76	1.41	0.577	1.49
29_5_114	MW-18B	Part 115	Iron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	2.65	2.64	2.30	2.90	0.194	0.0734	-0.435
29_5_119	MW-18B	Part 115	Nickel	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.00862	0.00900	0.00590	0.0110	0.00160	0.186	-0.295
29_5_129	MW-18B	Part 115	Zinc	mg/l	10	7	70%	2024-10-08 to 2026-02-04		Nonparametric	0.00280	0.00250	0.00150	0.00440	0.00147	0.526	0.878
30_2_105	MW-19A	Appendix III	Boron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.239	0.250	0.170	0.260	0.0276	0.115	-2.33
30_2_107	MW-19A	Appendix III	Calcium	mg/l	9	0	0%	2025-05-12 to 2026-02-11		Nonparametric	199	200	190	210	6.01	0.0302	-0.0183
30_2_108	MW-19A	Appendix III	Chloride	mg/l	9	0	0%	2025-05-12 to 2026-02-11		Nonparametric	116	120	100	120	7.26	0.0629	-1.50
30_2_112	MW-19A	Appendix III	Fluoride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.156	0.150	0.110	0.200	0.0309	0.198	0.0788
30_2_120	MW-19A	Appendix III	pH, Field	su	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	6.95	6.93	6.75	7.13	0.124	0.0179	0.0155
30_2_124	MW-19A	Appendix III	Sulfate	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	271	280	230	320	34.1	0.126	0.122
30_2_126	MW-19A	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	957	970	880	1000	34.6	0.0362	-1.43
30_3_101	MW-19A	Appendix IV	Antimony	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.000760	0.000760	0.000760	0.000760	NA	NA	NA
30_3_103	MW-19A	Appendix IV	Barium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0954	0.0950	0.0880	0.110	0.00667	0.0699	1.23
30_3_106	MW-19A	Appendix IV	Cadmium	mg/l	9	5	56%	2025-05-12 to 2026-02-11		Nonparametric	0.000138	0.000130	0.0000810	0.000210	0.0000534	0.388	0.846
30_3_110	MW-19A	Appendix IV	Cobalt	mg/l	9	4	44%	2025-05-12 to 2026-02-11	Lognormal	Lognormal	0.000200	0.000110	0.0000980	0.000540	0.000191	0.959	2.17
30_3_113	MW-19A	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.156	0.150	0.110	0.200	0.0309	0.198	0.0788
30_3_116	MW-19A	Appendix IV	Lithium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0118	0.0120	0.0100	0.0130	0.00109	0.0928	-0.188
30_3_118	MW-19A	Appendix IV	Molybdenum	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.00249	0.00250	0.00190	0.00300	0.000366	0.147	-0.241
30_3_121	MW-19A	Appendix IV	Radium-226+228	pci/l	9	4	44%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.858	0.874	0.554	1.09	0.204	0.238	-0.694
30_3_122	MW-19A	Appendix IV	Selenium	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.00130	0.00130	0.00130	0.00130	NA	NA	NA
30_3_125	MW-19A	Appendix IV	Thallium	mg/l	9	7	78%	2025-05-12 to 2026-02-11		Nonparametric	0.000590	0.000590	0.000510	0.000670	0.000113	0.192	NA
30_5_114	MW-19A	Part 115	Iron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	5.07	4.90	4.20	6.30	0.638	0.126	0.685
30_5_119	MW-19A	Part 115	Nickel	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Lognormal; Normal	Lognormal	0.0117	0.0120	0.0100	0.0140	0.00122	0.105	0.292
30_5_129	MW-19A	Part 115	Zinc	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.00250	0.00250	0.00250	0.00250	NA	NA	NA
31_2_105	MW-19B	Appendix III	Boron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.491	0.500	0.390	0.550	0.0593	0.121	-1.00
31_2_107	MW-19B	Appendix III	Calcium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	184	180	170	200	8.82	0.0478	0.214
31_2_108	MW-19B	Appendix III	Chloride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	69.7	68.0	67.0	76.0	3.67	0.0527	1.08
31_2_112	MW-19B	Appendix III	Fluoride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.228	0.240	0.180	0.260	0.0319	0.140	-0.659
31_2_120	MW-19B	Appendix III	pH, Field	su	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	7.18	7.20	6.99	7.32	0.103	0.0144	-0.469
31_2_124	MW-19B	Appendix III	Sulfate	mg/l	9	0	0%	2025-05-12 to 2026-02-11		Nonparametric	306	310	290	320	12.4	0.0405	-0.418
31_2_126	MW-19B	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	934	940	840	1000	42.2	0.0451	-1.17
31_3_102	MW-19B	Appendix IV	Arsenic	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.00358	0.00360	0.00290	0.00430	0.000393	0.110	0.150
31_3_103	MW-19B	Appendix IV	Barium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0537	0.0550	0.0450	0.0590	0.00409	0.0763	-1.10
31_3_106	MW-19B	Appendix IV	Cadmium	mg/l	9	5	56%	2025-05-12 to 2026-02-11		Nonparametric	0.000158	0.000160	0.000120	0.000190	0.0000330	0.210	-0.229

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
31_3_110	MW-19B	Appendix IV	Cobalt	mg/l	9	5	56%	2025-05-12 to 2026-02-11		Nonparametric	0.000123	0.000125	0.0000940	0.000150	0.0000233	0.189	-0.361
31_3_113	MW-19B	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.228	0.240	0.180	0.260	0.0319	0.140	-0.659
31_3_116	MW-19B	Appendix IV	Lithium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0157	0.0160	0.0130	0.0170	0.00141	0.0903	-0.947
31_3_118	MW-19B	Appendix IV	Molybdenum	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.00272	0.00220	0.00190	0.00640	0.00142	0.523	2.66
31_3_121	MW-19B	Appendix IV	Radium-226+228	pci/l	9	2	22%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	1.18	1.20	0.807	1.57	0.296	0.251	0.0341
31_3_125	MW-19B	Appendix IV	Thallium	mg/l	9	7	78%	2025-05-12 to 2026-02-11		Nonparametric	0.000580	0.000580	0.000570	0.000590	0.0000141	0.0244	NA
31_5_114	MW-19B	Part 115	Iron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	1.90	1.90	1.60	2.20	0.187	0.0985	0.00000000000000378
31_5_119	MW-19B	Part 115	Nickel	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0154	0.0150	0.0140	0.0170	0.000882	0.0571	0.214
32_2_105	MW-100A	Appendix III	Boron	mg/l	12	2	17%	2023-06-05 to 2026-02-05		Nonparametric	0.0475	0.0500	0.0400	0.0500	0.00425	0.0895	-1.36
32_2_107	MW-100A	Appendix III	Calcium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	91.1	92.1	84.0	95.3	3.04	0.0333	-1.07
32_2_108	MW-100A	Appendix III	Chloride	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	10.3	10.0	10.0	11.0	0.392	0.0381	1.26
32_2_112	MW-100A	Appendix III	Fluoride	mg/l	12	7	58%	2023-06-05 to 2026-02-05		Nonparametric	0.466	0.570	0.220	0.570	0.156	0.335	-1.30
32_2_120	MW-100A	Appendix III	pH, Field	su	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	7.27	7.29	7.08	7.40	0.0956	0.0132	-0.483
32_2_124	MW-100A	Appendix III	Sulfate	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	25.1	23.5	16.2	38.0	6.66	0.265	0.662
32_2_126	MW-100A	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	401	412	340	434	28.5	0.0712	-1.22
32_3_102	MW-100A	Appendix IV	Arsenic	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0138	0.0140	0.00900	0.0180	0.00270	0.196	-0.247
32_3_103	MW-100A	Appendix IV	Barium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.197	0.200	0.180	0.207	0.00868	0.0442	-0.484
32_3_110	MW-100A	Appendix IV	Cobalt	mg/l	12	9	75%	2023-06-05 to 2026-02-05		Nonparametric	0.000250	0.000220	0.000200	0.000330	0.0000700	0.280	1.57
32_3_113	MW-100A	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	2023-06-05 to 2026-02-05		Nonparametric	0.466	0.570	0.220	0.570	0.156	0.335	-1.30
32_3_116	MW-100A	Appendix IV	Lithium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0149	0.0150	0.00910	0.0200	0.00359	0.241	-0.185
32_3_118	MW-100A	Appendix IV	Molybdenum	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.00967	0.00950	0.00670	0.0130	0.00227	0.235	0.0840
32_3_121	MW-100A	Appendix IV	Radium-226+228	pci/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.13	1.01	0.402	2.50	0.676	0.597	0.943
32_5_114	MW-100A	Part 115	Iron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Normal	Gamma	2.42	2.53	0.630	3.75	0.895	0.369	-0.518
32_5_129	MW-100A	Part 115	Zinc	mg/l	12	8	67%	2023-06-05 to 2026-02-05		Nonparametric	0.00355	0.00350	0.00120	0.00600	0.00204	0.575	0.124
33_2_105	MW-100B	Appendix III	Boron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.252	0.255	0.210	0.300	0.0260	0.103	0.231
33_2_107	MW-100B	Appendix III	Calcium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	96.8	96.4	87.0	108	5.66	0.0585	0.167
33_2_108	MW-100B	Appendix III	Chloride	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	21.8	22.6	17.0	25.0	2.84	0.130	-0.587
33_2_112	MW-100B	Appendix III	Fluoride	mg/l	12	7	58%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	0.340	0.400	0.150	0.440	0.119	0.349	-1.34
33_2_120	MW-100B	Appendix III	pH, Field	su	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	7.43	7.41	7.26	7.62	0.115	0.0155	0.502
33_2_124	MW-100B	Appendix III	Sulfate	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	116	114	105	136	8.99	0.0777	1.05
33_2_126	MW-100B	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	492	491	440	538	31.5	0.0641	-0.294
33_3_102	MW-100B	Appendix IV	Arsenic	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	0.00964	0.0100	0.00670	0.0110	0.00146	0.151	-1.03
33_3_103	MW-100B	Appendix IV	Barium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.147	0.146	0.130	0.164	0.00929	0.0632	0.191
33_3_113	MW-100B	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	0.340	0.400	0.150	0.440	0.119	0.349	-1.34
33_3_116	MW-100B	Appendix IV	Lithium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Lognormal; Normal	Lognormal	0.0177	0.0175	0.0160	0.0190	0.000985	0.0557	0.127
33_3_118	MW-100B	Appendix IV	Molybdenum	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Lognormal; Normal	Lognormal	0.00807	0.00900	0.00490	0.0110	0.00192	0.238	-0.414
33_3_121	MW-100B	Appendix IV	Radium-226+228	pci/l	12	1	8%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.38	1.51	0.494	2.16	0.557	0.404	-0.401
33_5_114	MW-100B	Part 115	Iron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	2.49	2.38	1.77	3.54	0.438	0.176	1.09
33_5_119	MW-100B	Part 115	Nickel	mg/l	12	10	83%	2023-06-05 to 2026-02-05		Nonparametric	0.00180	0.00180	0.00160	0.00200	0.000283	0.157	NA
33_5_129	MW-100B	Part 115	Zinc	mg/l	12	11	92%	2023-06-05 to 2026-02-05		Nonparametric	0.00190	0.00190	0.00190	0.00190	NA	NA	NA

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
11_2_105	MW-2	Appendix III	Boron	mg/l	19	0	0%	0.953	0.441	0.125	0.608	0.936	0.223	0.126	0.591	0.125	>= 0.10	0.402	>= 0.10	0.259	Gamma; Lognormal; Normal	Gamma
11_2_107	MW-2	Appendix III	Calcium	mg/l	19	0	0%	0.865	0.012	0.214	0.022	0.865	0.012	0.206	0.032	0.217	0.01 <= p < 0.05	1.149	< 0.01	0.147	Nonparametric	Nonparametric
11_2_108	MW-2	Appendix III	Chloride	mg/l	19	0	0%	0.937	0.230	0.136	0.469	0.915	0.093	0.153	0.283	0.154	>= 0.10	0.624	0.05 <= p < 0.10	0.141	Gamma; Lognormal; Normal	Gamma
11_2_112	MW-2	Appendix III	Fluoride	mg/l	20	17	85%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.160		Nonparametric
11_2_120	MW-2	Appendix III	pH, Field	su	22	0	0%	0.924	0.090	0.149	0.229	0.929	0.115	0.146	0.257	0.146	>= 0.10	0.521	>= 0.10	0.016	Gamma; Lognormal; Normal	Gamma
11_2_124	MW-2	Appendix III	Sulfate	mg/l	19	0	0%	0.926	0.145	0.163	0.203	0.919	0.110	0.179	0.111	0.182	>= 0.10	0.548	>= 0.10	0.383	Gamma; Lognormal; Normal	Gamma
11_2_126	MW-2	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	0.922	0.122	0.141	0.407	0.920	0.111	0.147	0.342	0.154	>= 0.10	0.615	>= 0.10	0.167	Gamma; Lognormal; Normal	Gamma
11_3_101	MW-2	Appendix IV	Antimony	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_102	MW-2	Appendix IV	Arsenic	mg/l	20	15	75%	0.954	0.769	0.247	0.400	0.960	0.806	0.219	0.600	0.217	>= 0.10	0.255	>= 0.10	0.488	Gamma; Lognormal; Normal	Nonparametric
11_3_103	MW-2	Appendix IV	Barium	mg/l	20	0	0%	0.974	0.837	0.096	0.903	0.973	0.826	0.111	0.751	0.108	>= 0.10	0.221	>= 0.10	0.094	Gamma; Lognormal; Normal	Gamma
11_3_104	MW-2	Appendix IV	Beryllium	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_106	MW-2	Appendix IV	Cadmium	mg/l	20	17	85%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.154		Nonparametric
11_3_109	MW-2	Appendix IV	Chromium	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_110	MW-2	Appendix IV	Cobalt	mg/l	20	17	85%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.046		Nonparametric
11_3_113	MW-2	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.160		Nonparametric
11_3_115	MW-2	Appendix IV	Lead	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_116	MW-2	Appendix IV	Lithium	mg/l	20	0	0%	0.957	0.494	0.130	0.508	0.944	0.282	0.134	0.458	0.143	>= 0.10	0.386	>= 0.10	0.197	Gamma; Lognormal; Normal	Gamma
11_3_117	MW-2	Appendix IV	Mercury	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_118	MW-2	Appendix IV	Molybdenum	mg/l	20	0	0%	0.963	0.605	0.161	0.188	0.938	0.216	0.206	0.027	0.189	0.05 <= p < 0.10	0.482	>= 0.10	0.232	Gamma; Lognormal; Normal	Gamma
11_3_121	MW-2	Appendix IV	Radium-226+228	pci/l	20	3	15%	0.868	0.020	0.163	0.270	NA	NA	NA	NA	NA		NA		NA	Normal	Normal
11_3_122	MW-2	Appendix IV	Selenium	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_125	MW-2	Appendix IV	Thallium	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_5_111	MW-2	Part 115	Copper	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_5_114	MW-2	Part 115	Iron	mg/l	20	0	0%	0.810	0.001	0.232	0.006	0.964	0.626	0.130	0.501	0.160	>= 0.10	0.449	>= 0.10	0.538	Gamma; Lognormal	Gamma
11_5_119	MW-2	Part 115	Nickel	mg/l	20	0	0%	0.899	0.039	0.184	0.076	0.886	0.023	0.187	0.065	0.190	0.05 <= p < 0.10	0.797	0.01 <= p < 0.05	0.287	Gamma; Lognormal; Normal	Gamma
11_5_123	MW-2	Part 115	Silver	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_5_128	MW-2	Part 115	Vanadium	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_5_129	MW-2	Part 115	Zinc	mg/l	20	14	70%	0.624	0.001	0.414	0.002	0.834	0.117	0.259	0.236	0.307	>= 0.10	0.718	0.05 <= p < 0.10	1.215	Gamma; Lognormal	Nonparametric
12_2_105	MW-3	Appendix III	Boron	mg/l	11	0	0%	0.962	0.792	0.192	0.308	0.954	0.699	0.202	0.236	0.197	>= 0.10	0.322	>= 0.10	0.056	Gamma; Lognormal; Normal	Gamma
12_2_107	MW-3	Appendix III	Calcium	mg/l	11	0	0%	0.874	0.088	0.160	0.598	0.869	0.076	0.170	0.506	0.174	>= 0.10	0.630	0.05 <= p < 0.10	0.061	Gamma; Lognormal; Normal	Gamma
12_2_108	MW-3	Appendix III	Chloride	mg/l	11	0	0%	0.939	0.505	0.164	0.564	0.938	0.496	0.168	0.519	0.176	>= 0.10	0.330	>= 0.10	0.051	Gamma; Lognormal; Normal	Gamma
12_2_112	MW-3	Appendix III	Fluoride	mg/l	11	8	73%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.190		Nonparametric
12_2_120	MW-3	Appendix III	pH, Field	su	13	0	0%	0.952	0.625	0.131	0.788	0.953	0.638	0.129	0.800	0.128	>= 0.10	0.265	>= 0.10	0.009	Gamma; Lognormal; Normal	Gamma
12_2_124	MW-3	Appendix III	Sulfate	mg/l	11	0	0%	0.950	0.644	0.154	0.656	0.948	0.621	0.151	0.688	0.164	>= 0.10	0.277	>= 0.10	0.040	Gamma; Lognormal; Normal	Gamma
12_2_126	MW-3	Appendix III	Total Dissolved Solids	mg/l	11	0	0%	0.780	0.005	0.356	0.000	0.762	0.003	0.363	0.000	0.367	< 0.01	1.213	< 0.01	0.100	Nonparametric	Nonparametric
12_3_101	MW-3	Appendix IV	Antimony	mg/l	11	11	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_3_102	MW-3	Appendix IV	Arsenic	mg/l	11	0	0%	0.649	0.000	0.392	0.000	0.738	0.001	0.361	0.000	0.376	< 0.01	1.531	< 0.01	0.244	Nonparametric	Nonparametric
12_3_103	MW-3	Appendix IV	Barium	mg/l	11	0	0%	0.929	0.406	0.204	0.227	0.907	0.222	0.215	0.166	0.219	>= 0.10	0.406	>= 0.10	0.144	Gamma; Lognormal; Normal	Gamma
12_3_104	MW-3	Appendix IV	Beryllium	mg/l	11	11	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
12_3_106	MW-3	Appendix IV	Cadmium	mg/l	11	11	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_3_109	MW-3	Appendix IV	Chromium	mg/l	11	11	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_3_110	MW-3	Appendix IV	Cobalt	mg/l	11	8	73%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.236		Nonparametric
12_3_113	MW-3	Appendix IV	Fluoride (App IV)	mg/l	11	8	73%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.190		Nonparametric
12_3_115	MW-3	Appendix IV	Lead	mg/l	11	10	91%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_3_116	MW-3	Appendix IV	Lithium	mg/l	11	0	0%	0.944	0.570	0.126	0.893	0.948	0.624	0.131	0.862	0.139	>= 0.10	0.266	>= 0.10	0.067	Gamma; Lognormal; Normal	Gamma
12_3_117	MW-3	Appendix IV	Mercury	mg/l	12	11	92%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_3_118	MW-3	Appendix IV	Molybdenum	mg/l	11	0	0%	0.896	0.164	0.153	0.670	0.903	0.199	0.147	0.730	0.144	>= 0.10	0.437	>= 0.10	0.065	Gamma; Lognormal; Normal	Gamma
12_3_121	MW-3	Appendix IV	Radium-226+228	pci/l	11	3	27%	0.912	0.370	0.268	0.093	0.939	0.599	0.171	0.703	0.212	>= 0.10	0.329	>= 0.10	0.642	Gamma; Lognormal; Normal	Gamma
12_3_122	MW-3	Appendix IV	Selenium	mg/l	11	11	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_3_125	MW-3	Appendix IV	Thallium	mg/l	11	11	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_5_111	MW-3	Part 115	Copper	mg/l	11	10	91%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_5_114	MW-3	Part 115	Iron	mg/l	11	0	0%	0.945	0.576	0.131	0.863	0.938	0.503	0.133	0.849	0.147	>= 0.10	0.298	>= 0.10	0.126	Gamma; Lognormal; Normal	Gamma
12_5_119	MW-3	Part 115	Nickel	mg/l	11	8	73%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.194		Nonparametric
12_5_123	MW-3	Part 115	Silver	mg/l	11	11	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_5_128	MW-3	Part 115	Vanadium	mg/l	11	11	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_5_129	MW-3	Part 115	Zinc	mg/l	11	8	73%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.286		Nonparametric
13_2_105	MW-5	Appendix III	Boron	mg/l	19	0	0%	0.859	0.009	0.168	0.169	0.575	0.000	0.291	0.000	0.229	0.01 <= p < 0.05	1.774	< 0.01	0.587	Normal	Normal
13_2_107	MW-5	Appendix III	Calcium	mg/l	19	0	0%	0.969	0.766	0.134	0.495	0.914	0.087	0.188	0.077	0.175	>= 0.10	0.394	>= 0.10	0.386	Gamma; Lognormal; Normal	Gamma
13_2_108	MW-5	Appendix III	Chloride	mg/l	19	0	0%	0.869	0.014	0.210	0.026	0.843	0.005	0.247	0.003	0.240	< 0.01	1.152	< 0.01	0.326	Nonparametric	Nonparametric
13_2_112	MW-5	Appendix III	Fluoride	mg/l	20	17	85%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.173		Nonparametric
13_2_120	MW-5	Appendix III	pH, Field	su	22	0	0%	0.655	0.000	0.236	0.003	0.632	0.000	0.246	0.001	0.236	< 0.01	2.149	< 0.01	0.030	Nonparametric	Nonparametric
13_2_124	MW-5	Appendix III	Sulfate	mg/l	19	0	0%	0.935	0.214	0.157	0.246	0.936	0.220	0.187	0.079	0.159	>= 0.10	0.450	>= 0.10	0.568	Gamma; Lognormal; Normal	Gamma
13_2_126	MW-5	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	0.944	0.306	0.161	0.221	0.930	0.174	0.179	0.114	0.159	>= 0.10	0.472	>= 0.10	0.407	Gamma; Lognormal; Normal	Gamma
13_3_101	MW-5	Appendix IV	Antimony	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_3_102	MW-5	Appendix IV	Arsenic	mg/l	20	13	65%	0.953	0.753	0.178	0.721	0.967	0.879	0.166	0.813	0.161	>= 0.10	0.179	>= 0.10	0.695	Gamma; Lognormal; Normal	Nonparametric
13_3_103	MW-5	Appendix IV	Barium	mg/l	20	0	0%	0.916	0.082	0.152	0.258	0.948	0.343	0.138	0.408	0.139	>= 0.10	0.566	>= 0.10	0.163	Gamma; Lognormal; Normal	Gamma
13_3_104	MW-5	Appendix IV	Beryllium	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_3_106	MW-5	Appendix IV	Cadmium	mg/l	20	19	95%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_3_109	MW-5	Appendix IV	Chromium	mg/l	20	17	85%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.047		Nonparametric
13_3_110	MW-5	Appendix IV	Cobalt	mg/l	20	16	80%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.398		Nonparametric
13_3_113	MW-5	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.173		Nonparametric
13_3_115	MW-5	Appendix IV	Lead	mg/l	20	15	75%	0.817	0.110	0.273	0.252	0.949	0.727	0.203	0.717	0.226	>= 0.10	0.264	>= 0.10	1.418	Gamma; Lognormal; Normal	Nonparametric
13_3_116	MW-5	Appendix IV	Lithium	mg/l	20	0	0%	0.920	0.099	0.107	0.791	0.720	0.000	0.191	0.053	0.156	>= 0.10	1.012	< 0.01	0.375	Gamma; Lognormal; Normal	Gamma
13_3_117	MW-5	Appendix IV	Mercury	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_3_118	MW-5	Appendix IV	Molybdenum	mg/l	20	0	0%	0.975	0.851	0.161	0.189	0.797	0.001	0.260	0.001	0.228	< 0.01	0.696	0.05 <= p < 0.10	0.481	Gamma; Normal	Gamma
13_3_121	MW-5	Appendix IV	Radium-226+228	pci/l	20	3	15%	0.881	0.033	0.197	0.078	0.959	0.606	0.113	0.821	0.121	>= 0.10	0.274	>= 0.10	0.613	Gamma; Lognormal; Normal	Gamma
13_3_122	MW-5	Appendix IV	Selenium	mg/l	20	19	95%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_3_125	MW-5	Appendix IV	Thallium	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
13_5_111	MW-5	Part 115	Copper	mg/l	20	13	65%	0.904	0.353	0.198	0.559	0.957	0.791	0.153	0.889	0.150	>= 0.10	0.204	>= 0.10	0.992	Gamma; Lognormal; Normal	Nonparametric
13_5_114	MW-5	Part 115	Iron	mg/l	20	1	5%	0.626	0.000	0.312	0.000	0.959	0.545	0.099	0.897	0.183	>= 0.10	0.810	0.01 <= p < 0.05	1.085	Gamma; Lognormal	Gamma
13_5_119	MW-5	Part 115	Nickel	mg/l	20	0	0%	0.961	0.570	0.116	0.681	0.960	0.534	0.182	0.082	0.161	>= 0.10	0.266	>= 0.10	0.491	Gamma; Lognormal; Normal	Gamma
13_5_123	MW-5	Part 115	Silver	mg/l	20	19	95%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_5_128	MW-5	Part 115	Vanadium	mg/l	20	15	75%	0.920	0.530	0.209	0.673	0.914	0.490	0.202	0.721	0.229	>= 0.10	0.307	>= 0.10	1.127	Gamma; Lognormal; Normal	Nonparametric
13_5_129	MW-5	Part 115	Zinc	mg/l	20	3	15%	0.645	0.000	0.276	0.001	0.914	0.115	0.159	0.304	0.213	0.05 <= p < 0.10	1.012	0.01 <= p < 0.05	0.981	Gamma; Lognormal	Gamma
14_2_105	MW-6	Appendix III	Boron	mg/l	19	0	0%	0.975	0.862	0.096	0.914	0.978	0.914	0.086	0.971	0.096	>= 0.10	0.149	>= 0.10	0.223	Gamma; Lognormal; Normal	Gamma
14_2_107	MW-6	Appendix III	Calcium	mg/l	19	0	0%	0.916	0.097	0.193	0.060	0.916	0.093	0.193	0.062	0.201	0.01 <= p < 0.05	0.645	0.05 <= p < 0.10	0.114	Gamma; Lognormal; Normal	Gamma
14_2_108	MW-6	Appendix III	Chloride	mg/l	19	0	0%	0.928	0.162	0.172	0.145	0.922	0.122	0.177	0.122	0.182	0.05 <= p < 0.10	0.630	0.05 <= p < 0.10	0.225	Gamma; Lognormal; Normal	Gamma
14_2_112	MW-6	Appendix III	Fluoride	mg/l	20	17	85%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.095		Nonparametric
14_2_120	MW-6	Appendix III	pH, Field	su	22	0	0%	0.919	0.072	0.177	0.072	0.920	0.075	0.180	0.061	0.176	0.05 <= p < 0.10	0.842	0.01 <= p < 0.05	0.023	Gamma; Lognormal; Normal	Gamma
14_2_124	MW-6	Appendix III	Sulfate	mg/l	19	0	0%	0.930	0.175	0.135	0.481	0.941	0.278	0.136	0.471	0.143	>= 0.10	0.389	>= 0.10	0.263	Gamma; Lognormal; Normal	Gamma
14_2_126	MW-6	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	0.955	0.470	0.100	0.889	0.953	0.444	0.120	0.668	0.116	>= 0.10	0.335	>= 0.10	0.123	Gamma; Lognormal; Normal	Gamma
14_3_101	MW-6	Appendix IV	Antimony	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_102	MW-6	Appendix IV	Arsenic	mg/l	20	18	90%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.980		Nonparametric
14_3_103	MW-6	Appendix IV	Barium	mg/l	20	0	0%	0.970	0.757	0.144	0.341	0.972	0.789	0.148	0.296	0.147	>= 0.10	0.352	>= 0.10	0.121	Gamma; Lognormal; Normal	Gamma
14_3_104	MW-6	Appendix IV	Beryllium	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_106	MW-6	Appendix IV	Cadmium	mg/l	20	19	95%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_109	MW-6	Appendix IV	Chromium	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_110	MW-6	Appendix IV	Cobalt	mg/l	20	17	85%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.225		Nonparametric
14_3_113	MW-6	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.095		Nonparametric
14_3_115	MW-6	Appendix IV	Lead	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_116	MW-6	Appendix IV	Lithium	mg/l	20	0	0%	0.983	0.963	0.091	0.935	0.984	0.971	0.110	0.755	0.097	>= 0.10	0.187	>= 0.10	0.180	Gamma; Lognormal; Normal	Gamma
14_3_117	MW-6	Appendix IV	Mercury	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_118	MW-6	Appendix IV	Molybdenum	mg/l	20	0	0%	0.955	0.447	0.119	0.649	0.896	0.034	0.176	0.107	0.153	>= 0.10	0.638	0.05 <= p < 0.10	0.293	Gamma; Lognormal; Normal	Gamma
14_3_121	MW-6	Appendix IV	Radium-226+228	pci/l	20	3	15%	0.847	0.010	0.170	0.211	NA	NA	NA	NA	NA		NA		NA	Normal	Normal
14_3_122	MW-6	Appendix IV	Selenium	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_125	MW-6	Appendix IV	Thallium	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_5_111	MW-6	Part 115	Copper	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_5_114	MW-6	Part 115	Iron	mg/l	20	9	45%	0.669	0.000	0.257	0.040	0.893	0.154	0.201	0.246	0.226	>= 0.10	0.716	0.05 <= p < 0.10	0.724	Gamma; Lognormal	Gamma
14_5_119	MW-6	Part 115	Nickel	mg/l	20	5	25%	0.804	0.004	0.267	0.005	0.733	0.001	0.319	0.000	0.307	< 0.01	1.711	< 0.01	0.421	Nonparametric	Nonparametric
14_5_123	MW-6	Part 115	Silver	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_5_128	MW-6	Part 115	Vanadium	mg/l	20	20	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_5_129	MW-6	Part 115	Zinc	mg/l	20	16	80%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.564		Nonparametric
15_2_105	MW-7	Appendix III	Boron	mg/l	16	0	0%	0.958	0.625	0.149	0.445	0.939	0.334	0.186	0.144	0.169	>= 0.10	0.427	>= 0.10	0.216	Gamma; Lognormal; Normal	Gamma
15_2_107	MW-7	Appendix III	Calcium	mg/l	16	0	0%	0.788	0.002	0.289	0.001	0.837	0.009	0.274	0.002	0.275	< 0.01	1.205	< 0.01	0.139	Nonparametric	Nonparametric
15_2_108	MW-7	Appendix III	Chloride	mg/l	16	0	0%	0.871	0.028	0.176	0.203	0.893	0.063	0.179	0.187	0.178	>= 0.10	0.582	>= 0.10	0.083	Gamma; Lognormal; Normal	Gamma
15_2_112	MW-7	Appendix III	Fluoride	mg/l	16	11	69%	0.987	0.967	0.189	0.805	0.989	0.977	0.172	0.895	0.164	>= 0.10	0.194	>= 0.10	0.123	Gamma; Lognormal; Normal	Nonparametric
15_2_120	MW-7	Appendix III	pH, Field	su	19	0	0%	0.838	0.004	0.198	0.048	0.855	0.008	0.191	0.066	0.191	0.05 <= p < 0.10	0.797	0.01 <= p < 0.05	0.030	Gamma; Lognormal	Gamma

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
15_2_124	MW-7	Appendix III	Sulfate	mg/l	16	0	0%	0.812	0.004	0.208	0.063	0.857	0.017	0.179	0.184	0.187	>= 0.10	0.934	0.01 <= p < 0.05	0.131	Gamma; Lognormal; Normal	Gamma
15_2_126	MW-7	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.691	0.000	0.320	0.000	0.739	0.000	0.291	0.001	0.302	< 0.01	1.777	< 0.01	0.114	Nonparametric	Nonparametric
15_3_101	MW-7	Appendix IV	Antimony	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_102	MW-7	Appendix IV	Arsenic	mg/l	16	0	0%	0.892	0.060	0.251	0.008	0.847	0.013	0.246	0.011	0.256	< 0.01	1.022	< 0.01	0.249	Normal	Normal
15_3_103	MW-7	Appendix IV	Barium	mg/l	16	0	0%	0.928	0.227	0.124	0.735	0.880	0.039	0.145	0.493	0.117	>= 0.10	0.458	>= 0.10	0.129	Gamma; Lognormal; Normal	Gamma
15_3_104	MW-7	Appendix IV	Beryllium	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_106	MW-7	Appendix IV	Cadmium	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_109	MW-7	Appendix IV	Chromium	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_110	MW-7	Appendix IV	Cobalt	mg/l	16	13	81%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.280		Nonparametric
15_3_113	MW-7	Appendix IV	Fluoride (App IV)	mg/l	16	11	69%	0.987	0.967	0.189	0.805	0.989	0.977	0.172	0.895	0.164	>= 0.10	0.194	>= 0.10	0.123	Gamma; Lognormal; Normal	Nonparametric
15_3_115	MW-7	Appendix IV	Lead	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_116	MW-7	Appendix IV	Lithium	mg/l	16	0	0%	0.972	0.875	0.117	0.805	0.967	0.792	0.126	0.712	0.133	>= 0.10	0.289	>= 0.10	0.151	Gamma; Lognormal; Normal	Gamma
15_3_117	MW-7	Appendix IV	Mercury	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_118	MW-7	Appendix IV	Molybdenum	mg/l	16	0	0%	0.833	0.008	0.224	0.031	0.838	0.009	0.246	0.011	0.246	0.01 <= p < 0.05	1.150	< 0.01	0.279	Nonparametric	Nonparametric
15_3_121	MW-7	Appendix IV	Radium-226+228	pci/l	16	0	0%	0.859	0.019	0.174	0.222	0.966	0.772	0.129	0.683	0.133	>= 0.10	0.308	>= 0.10	0.707	Gamma; Lognormal; Normal	Gamma
15_3_122	MW-7	Appendix IV	Selenium	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_125	MW-7	Appendix IV	Thallium	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_5_111	MW-7	Part 115	Copper	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_5_114	MW-7	Part 115	Iron	mg/l	16	0	0%	0.778	0.001	0.266	0.004	0.910	0.117	0.199	0.090	0.217	0.01 <= p < 0.05	0.666	0.05 <= p < 0.10	0.270	Gamma; Lognormal	Gamma
15_5_119	MW-7	Part 115	Nickel	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_5_123	MW-7	Part 115	Silver	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_5_128	MW-7	Part 115	Vanadium	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_5_129	MW-7	Part 115	Zinc	mg/l	16	12	75%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.012		Nonparametric
16_2_105	MW-7C	Appendix III	Boron	mg/l	15	0	0%	0.938	0.360	0.159	0.387	0.943	0.419	0.156	0.422	0.150	>= 0.10	0.419	>= 0.10	0.045	Gamma; Lognormal; Normal	Gamma
16_2_107	MW-7C	Appendix III	Calcium	mg/l	15	0	0%	0.907	0.120	0.189	0.161	0.877	0.043	0.207	0.084	0.198	>= 0.10	0.706	0.05 <= p < 0.10	0.092	Gamma; Lognormal; Normal	Gamma
16_2_108	MW-7C	Appendix III	Chloride	mg/l	15	0	0%	0.939	0.368	0.200	0.111	0.949	0.513	0.188	0.162	0.191	>= 0.10	0.458	>= 0.10	0.058	Gamma; Lognormal; Normal	Gamma
16_2_112	MW-7C	Appendix III	Fluoride	mg/l	15	12	80%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.112		Nonparametric
16_2_120	MW-7C	Appendix III	pH, Field	su	17	0	0%	0.956	0.562	0.128	0.654	0.957	0.578	0.127	0.664	0.133	>= 0.10	0.251	>= 0.10	0.011	Gamma; Lognormal; Normal	Gamma
16_2_124	MW-7C	Appendix III	Sulfate	mg/l	15	0	0%	0.932	0.292	0.139	0.603	0.940	0.387	0.132	0.686	0.137	>= 0.10	0.379	>= 0.10	0.053	Gamma; Lognormal; Normal	Gamma
16_2_126	MW-7C	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	0.895	0.080	0.224	0.041	0.875	0.041	0.236	0.024	0.235	0.01 <= p < 0.05	0.951	0.01 <= p < 0.05	0.079	Normal	Normal
16_3_101	MW-7C	Appendix IV	Antimony	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_3_102	MW-7C	Appendix IV	Arsenic	mg/l	15	0	0%	0.827	0.008	0.235	0.026	0.896	0.083	0.214	0.064	0.203	0.05 <= p < 0.10	0.783	0.01 <= p < 0.05	0.183	Gamma; Lognormal	Gamma
16_3_103	MW-7C	Appendix IV	Barium	mg/l	15	0	0%	0.975	0.919	0.109	0.904	0.974	0.912	0.120	0.810	0.116	>= 0.10	0.202	>= 0.10	0.070	Gamma; Lognormal; Normal	Gamma
16_3_104	MW-7C	Appendix IV	Beryllium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_3_106	MW-7C	Appendix IV	Cadmium	mg/l	15	11	73%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.809		Nonparametric
16_3_109	MW-7C	Appendix IV	Chromium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_3_110	MW-7C	Appendix IV	Cobalt	mg/l	15	14	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_3_113	MW-7C	Appendix IV	Fluoride (App IV)	mg/l	15	12	80%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.112		Nonparametric
16_3_115	MW-7C	Appendix IV	Lead	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
16_3_116	MW-7C	Appendix IV	Lithium	mg/l	15	0	0%	0.917	0.175	0.199	0.112	0.906	0.116	0.212	0.068	0.210	0.05 <= p < 0.10	0.584	>= 0.10	0.073	Gamma; Lognormal; Normal	Gamma
16_3_117	MW-7C	Appendix IV	Mercury	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_3_118	MW-7C	Appendix IV	Molybdenum	mg/l	15	0	0%	0.944	0.433	0.124	0.778	0.933	0.301	0.136	0.643	0.130	>= 0.10	0.405	>= 0.10	0.063	Gamma; Lognormal; Normal	Gamma
16_3_121	MW-7C	Appendix IV	Radium-226+228	pci/l	15	1	7%	0.868	0.040	0.181	0.243	0.922	0.237	0.163	0.399	0.176	>= 0.10	0.486	>= 0.10	0.552	Gamma; Lognormal; Normal	Gamma
16_3_122	MW-7C	Appendix IV	Selenium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_3_125	MW-7C	Appendix IV	Thallium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_5_111	MW-7C	Part 115	Copper	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_5_114	MW-7C	Part 115	Iron	mg/l	15	0	0%	0.838	0.012	0.187	0.169	0.781	0.002	0.217	0.056	0.190	>= 0.10	0.827	0.01 <= p < 0.05	0.110	Gamma; Lognormal; Normal	Gamma
16_5_119	MW-7C	Part 115	Nickel	mg/l	15	0	0%	0.871	0.034	0.215	0.061	0.898	0.088	0.208	0.081	0.202	>= 0.10	0.774	0.01 <= p < 0.05	0.128	Gamma; Lognormal; Normal	Gamma
16_5_123	MW-7C	Part 115	Silver	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_5_128	MW-7C	Part 115	Vanadium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_5_129	MW-7C	Part 115	Zinc	mg/l	15	12	80%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.810		Nonparametric
17_2_105	MW-8	Appendix III	Boron	mg/l	16	1	6%	0.822	0.007	0.213	0.067	0.942	0.414	0.216	0.057	0.189	>= 0.10	0.570	>= 0.10	0.421	Gamma; Lognormal; Normal	Gamma
17_2_107	MW-8	Appendix III	Calcium	mg/l	16	0	0%	0.944	0.396	0.103	0.924	0.954	0.554	0.094	0.968	0.092	>= 0.10	0.247	>= 0.10	0.067	Gamma; Lognormal; Normal	Gamma
17_2_108	MW-8	Appendix III	Chloride	mg/l	16	2	12%	0.822	0.009	0.204	0.117	0.976	0.948	0.096	0.978	0.144	>= 0.10	0.360	>= 0.10	0.763	Gamma; Lognormal; Normal	Gamma
17_2_112	MW-8	Appendix III	Fluoride	mg/l	16	12	75%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.106		Nonparametric
17_2_120	MW-8	Appendix III	pH, Field	su	16	0	0%	0.704	0.000	0.242	0.013	0.719	0.000	0.235	0.018	0.237	0.01 <= p < 0.05	1.336	< 0.01	0.026	Nonparametric	Nonparametric
17_2_124	MW-8	Appendix III	Sulfate	mg/l	16	0	0%	0.884	0.045	0.168	0.260	0.966	0.765	0.082	0.994	0.107	>= 0.10	0.281	>= 0.10	0.469	Gamma; Lognormal; Normal	Gamma
17_2_126	MW-8	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.951	0.505	0.135	0.607	0.968	0.801	0.120	0.776	0.124	>= 0.10	0.285	>= 0.10	0.074	Gamma; Lognormal; Normal	Gamma
17_3_101	MW-8	Appendix IV	Antimony	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_102	MW-8	Appendix IV	Arsenic	mg/l	16	14	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.203		Nonparametric
17_3_103	MW-8	Appendix IV	Barium	mg/l	16	0	0%	0.936	0.304	0.185	0.151	0.947	0.442	0.205	0.072	0.195	>= 0.10	0.515	>= 0.10	0.130	Gamma; Lognormal; Normal	Gamma
17_3_104	MW-8	Appendix IV	Beryllium	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_106	MW-8	Appendix IV	Cadmium	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_109	MW-8	Appendix IV	Chromium	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_110	MW-8	Appendix IV	Cobalt	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_113	MW-8	Appendix IV	Fluoride (App IV)	mg/l	16	12	75%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.106		Nonparametric
17_3_115	MW-8	Appendix IV	Lead	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_116	MW-8	Appendix IV	Lithium	mg/l	16	6	38%	0.925	0.398	0.155	0.713	0.954	0.711	0.151	0.746	0.158	>= 0.10	0.277	>= 0.10	0.346	Gamma; Lognormal; Normal	Gamma
17_3_117	MW-8	Appendix IV	Mercury	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_118	MW-8	Appendix IV	Molybdenum	mg/l	16	11	69%	0.876	0.292	0.304	0.135	0.982	0.947	0.197	0.752	0.226	>= 0.10	0.248	>= 0.10	0.683	Gamma; Lognormal; Normal	Nonparametric
17_3_121	MW-8	Appendix IV	Radium-226+228	pci/l	16	0	0%	0.839	0.010	0.206	0.068	0.963	0.717	0.136	0.594	0.176	>= 0.10	0.324	>= 0.10	1.023	Gamma; Lognormal; Normal	Gamma
17_3_122	MW-8	Appendix IV	Selenium	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_125	MW-8	Appendix IV	Thallium	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_5_111	MW-8	Part 115	Copper	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_5_114	MW-8	Part 115	Iron	mg/l	16	13	81%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.570		Nonparametric
17_5_119	MW-8	Part 115	Nickel	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_5_123	MW-8	Part 115	Silver	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_5_128	MW-8	Part 115	Vanadium	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
17_5_129	MW-8	Part 115	Zinc	mg/l	16	14	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.960		Nonparametric
18_2_105	MW-9	Appendix III	Boron	mg/l	16	14	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.180		Nonparametric
18_2_107	MW-9	Appendix III	Calcium	mg/l	16	0	0%	0.915	0.141	0.225	0.029	0.930	0.240	0.197	0.098	0.207	0.05 <= p < 0.10	0.509	>= 0.10	0.155	Gamma; Lognormal; Normal	Gamma
18_2_108	MW-9	Appendix III	Chloride	mg/l	16	10	62%	0.925	0.542	0.224	0.455	0.912	0.450	0.218	0.494	0.226	>= 0.10	0.332	>= 0.10	0.653	Gamma; Lognormal; Normal	Nonparametric
18_2_112	MW-9	Appendix III	Fluoride	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_2_120	MW-9	Appendix III	pH, Field	su	16	0	0%	0.930	0.244	0.135	0.609	0.936	0.307	0.130	0.661	0.132	>= 0.10	0.313	>= 0.10	0.024	Gamma; Lognormal; Normal	Gamma
18_2_124	MW-9	Appendix III	Sulfate	mg/l	16	8	50%	0.968	0.884	0.147	0.880	0.961	0.822	0.148	0.874	0.149	>= 0.10	0.201	>= 0.10	0.512	Gamma; Lognormal; Normal	Nonparametric
18_2_126	MW-9	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.842	0.010	0.187	0.141	0.868	0.025	0.157	0.359	0.165	>= 0.10	0.919	0.01 <= p < 0.05	0.141	Gamma; Lognormal; Normal	Gamma
18_3_101	MW-9	Appendix IV	Antimony	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_102	MW-9	Appendix IV	Arsenic	mg/l	16	14	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.709		Nonparametric
18_3_103	MW-9	Appendix IV	Barium	mg/l	16	0	0%	0.890	0.055	0.162	0.314	0.905	0.097	0.155	0.384	0.164	>= 0.10	0.598	>= 0.10	0.128	Gamma; Lognormal; Normal	Gamma
18_3_104	MW-9	Appendix IV	Beryllium	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_106	MW-9	Appendix IV	Cadmium	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_109	MW-9	Appendix IV	Chromium	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_110	MW-9	Appendix IV	Cobalt	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_113	MW-9	Appendix IV	Fluoride (App IV)	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_115	MW-9	Appendix IV	Lead	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_116	MW-9	Appendix IV	Lithium	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_117	MW-9	Appendix IV	Mercury	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_118	MW-9	Appendix IV	Molybdenum	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_121	MW-9	Appendix IV	Radium-226+228	pci/l	16	0	0%	0.936	0.308	0.119	0.788	NA	NA	NA	NA	NA		NA		NA	Normal	Normal
18_3_122	MW-9	Appendix IV	Selenium	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_125	MW-9	Appendix IV	Thallium	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_5_111	MW-9	Part 115	Copper	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_5_114	MW-9	Part 115	Iron	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_5_119	MW-9	Part 115	Nickel	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_5_123	MW-9	Part 115	Silver	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_5_128	MW-9	Part 115	Vanadium	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_5_129	MW-9	Part 115	Zinc	mg/l	16	14	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.425		Nonparametric
19_2_105	MW-10	Appendix III	Boron	mg/l	16	1	6%	0.892	0.072	0.260	0.007	0.894	0.077	0.234	0.026	0.244	0.01 <= p < 0.05	0.835	0.01 <= p < 0.05	0.162	Lognormal; Normal	Lognormal
19_2_107	MW-10	Appendix III	Calcium	mg/l	16	0	0%	0.954	0.561	0.176	0.207	0.955	0.568	0.168	0.261	0.178	>= 0.10	0.339	>= 0.10	0.079	Gamma; Lognormal; Normal	Gamma
19_2_108	MW-10	Appendix III	Chloride	mg/l	16	9	56%	0.741	0.010	0.352	0.009	0.850	0.124	0.261	0.158	0.306	0.05 <= p < 0.10	0.748	0.01 <= p < 0.05	0.817	Gamma; Lognormal	Nonparametric
19_2_112	MW-10	Appendix III	Fluoride	mg/l	16	12	75%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.256		Nonparametric
19_2_120	MW-10	Appendix III	pH, Field	su	16	0	0%	0.884	0.045	0.163	0.311	0.895	0.068	0.157	0.362	0.154	>= 0.10	0.479	>= 0.10	0.029	Gamma; Lognormal; Normal	Gamma
19_2_124	MW-10	Appendix III	Sulfate	mg/l	16	0	0%	0.884	0.044	0.174	0.219	0.953	0.534	0.140	0.548	0.142	>= 0.10	0.318	>= 0.10	0.296	Gamma; Lognormal; Normal	Gamma
19_2_126	MW-10	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.979	0.951	0.110	0.874	0.972	0.867	0.128	0.689	0.124	>= 0.10	0.197	>= 0.10	0.107	Gamma; Lognormal; Normal	Gamma
19_3_101	MW-10	Appendix IV	Antimony	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_102	MW-10	Appendix IV	Arsenic	mg/l	16	14	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.526		Nonparametric
19_3_103	MW-10	Appendix IV	Barium	mg/l	16	0	0%	0.964	0.726	0.130	0.664	0.948	0.463	0.141	0.536	0.147	>= 0.10	0.352	>= 0.10	0.141	Gamma; Lognormal; Normal	Gamma

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
19_3_104	MW-10	Appendix IV	Beryllium	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_106	MW-10	Appendix IV	Cadmium	mg/l	16	14	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.497		Nonparametric
19_3_109	MW-10	Appendix IV	Chromium	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_110	MW-10	Appendix IV	Cobalt	mg/l	16	14	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.236		Nonparametric
19_3_113	MW-10	Appendix IV	Fluoride (App IV)	mg/l	16	12	75%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.256		Nonparametric
19_3_115	MW-10	Appendix IV	Lead	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_116	MW-10	Appendix IV	Lithium	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_117	MW-10	Appendix IV	Mercury	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_118	MW-10	Appendix IV	Molybdenum	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_121	MW-10	Appendix IV	Radium-226+228	pci/l	16	0	0%	0.818	0.005	0.281	0.001	0.938	0.328	0.147	0.467	0.199	>= 0.10	0.696	0.05 <= p < 0.10	0.784	Gamma; Lognormal	Gamma
19_3_122	MW-10	Appendix IV	Selenium	mg/l	16	13	81%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.246		Nonparametric
19_3_125	MW-10	Appendix IV	Thallium	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_5_111	MW-10	Part 115	Copper	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_5_114	MW-10	Part 115	Iron	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_5_119	MW-10	Part 115	Nickel	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_5_123	MW-10	Part 115	Silver	mg/l	16	16	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_5_128	MW-10	Part 115	Vanadium	mg/l	16	15	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_5_129	MW-10	Part 115	Zinc	mg/l	16	13	81%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.291		Nonparametric
20_2_105	MW-13	Appendix III	Boron	mg/l	15	0	0%	0.936	0.332	0.168	0.308	0.934	0.318	0.158	0.396	0.149	>= 0.10	0.421	>= 0.10	0.137	Gamma; Lognormal; Normal	Gamma
20_2_107	MW-13	Appendix III	Calcium	mg/l	15	0	0%	0.905	0.112	0.171	0.284	0.901	0.100	0.168	0.304	0.177	>= 0.10	0.585	>= 0.10	0.212	Gamma; Lognormal; Normal	Gamma
20_2_108	MW-13	Appendix III	Chloride	mg/l	15	2	13%	0.866	0.046	0.216	0.099	0.950	0.603	0.119	0.886	0.151	>= 0.10	0.344	>= 0.10	0.528	Gamma; Lognormal; Normal	Gamma
20_2_112	MW-13	Appendix III	Fluoride	mg/l	15	12	80%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.139		Nonparametric
20_2_120	MW-13	Appendix III	pH, Field	su	15	0	0%	0.922	0.207	0.175	0.248	0.914	0.158	0.180	0.214	0.182	>= 0.10	0.536	>= 0.10	0.033	Gamma; Lognormal; Normal	Gamma
20_2_124	MW-13	Appendix III	Sulfate	mg/l	15	0	0%	0.847	0.016	0.212	0.068	0.951	0.534	0.132	0.682	0.167	>= 0.10	0.425	>= 0.10	0.825	Gamma; Lognormal; Normal	Gamma
20_2_126	MW-13	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	0.909	0.128	0.167	0.314	0.931	0.285	0.162	0.360	0.172	>= 0.10	0.491	>= 0.10	0.237	Gamma; Lognormal; Normal	Gamma
20_3_101	MW-13	Appendix IV	Antimony	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_102	MW-13	Appendix IV	Arsenic	mg/l	15	9	60%	0.982	0.962	0.129	0.989	0.916	0.475	0.209	0.566	0.167	>= 0.10	0.249	>= 0.10	0.515	Gamma; Lognormal; Normal	Nonparametric
20_3_103	MW-13	Appendix IV	Barium	mg/l	15	0	0%	0.854	0.020	0.194	0.134	0.948	0.494	0.157	0.413	0.174	>= 0.10	0.477	>= 0.10	0.270	Gamma; Lognormal; Normal	Gamma
20_3_104	MW-13	Appendix IV	Beryllium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_106	MW-13	Appendix IV	Cadmium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_109	MW-13	Appendix IV	Chromium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_110	MW-13	Appendix IV	Cobalt	mg/l	15	12	80%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.463		Nonparametric
20_3_113	MW-13	Appendix IV	Fluoride (App IV)	mg/l	15	12	80%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.139		Nonparametric
20_3_115	MW-13	Appendix IV	Lead	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_116	MW-13	Appendix IV	Lithium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_117	MW-13	Appendix IV	Mercury	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_118	MW-13	Appendix IV	Molybdenum	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_121	MW-13	Appendix IV	Radium-226+228	pci/l	15	1	7%	0.842	0.017	0.225	0.054	0.926	0.266	0.168	0.350	0.177	>= 0.10	0.500	>= 0.10	1.062	Gamma; Lognormal; Normal	Gamma
20_3_122	MW-13	Appendix IV	Selenium	mg/l	15	13	87%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.138		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
20_3_125	MW-13	Appendix IV	Thallium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_5_111	MW-13	Part 115	Copper	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_5_114	MW-13	Part 115	Iron	mg/l	15	1	7%	0.666	0.000	0.365	0.000	0.808	0.006	0.223	0.058	0.287	< 0.01	1.576	< 0.01	1.637	Lognormal	Nonparametric
20_5_119	MW-13	Part 115	Nickel	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_5_123	MW-13	Part 115	Silver	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_5_128	MW-13	Part 115	Vanadium	mg/l	15	13	87%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.219		Nonparametric
20_5_129	MW-13	Part 115	Zinc	mg/l	15	12	80%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.104		Nonparametric
21_2_105	MW-14	Appendix III	Boron	mg/l	13	0	0%	0.893	0.108	0.133	0.765	0.855	0.033	0.147	0.624	0.147	>= 0.10	0.549	>= 0.10	0.093	Gamma; Lognormal; Normal	Gamma
21_2_107	MW-14	Appendix III	Calcium	mg/l	13	0	0%	0.892	0.105	0.227	0.065	0.899	0.130	0.222	0.079	0.229	0.05 <= p < 0.10	0.593	>= 0.10	0.068	Gamma; Lognormal; Normal	Gamma
21_2_108	MW-14	Appendix III	Chloride	mg/l	13	0	0%	0.923	0.278	0.135	0.745	0.908	0.173	0.145	0.645	0.131	>= 0.10	0.395	>= 0.10	0.048	Gamma; Lognormal; Normal	Gamma
21_2_112	MW-14	Appendix III	Fluoride	mg/l	13	10	77%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.230		Nonparametric
21_2_120	MW-14	Appendix III	pH, Field	su	15	0	0%	0.960	0.696	0.125	0.759	0.958	0.650	0.126	0.754	0.133	>= 0.10	0.255	>= 0.10	0.014	Gamma; Lognormal; Normal	Gamma
21_2_124	MW-14	Appendix III	Sulfate	mg/l	13	0	0%	0.345	0.000	0.502	0.000	0.770	0.003	0.255	0.021	0.413	< 0.01	2.536	< 0.01	1.318	Nonparametric	Nonparametric
21_2_126	MW-14	Appendix III	Total Dissolved Solids	mg/l	13	1	8%	0.960	0.787	0.110	0.954	0.964	0.844	0.107	0.964	0.099	>= 0.10	0.205	>= 0.10	0.049	Gamma; Lognormal; Normal	Gamma
21_3_101	MW-14	Appendix IV	Antimony	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_3_102	MW-14	Appendix IV	Arsenic	mg/l	13	0	0%	0.955	0.681	0.174	0.346	0.931	0.347	0.211	0.115	0.196	>= 0.10	0.351	>= 0.10	0.195	Gamma; Lognormal; Normal	Gamma
21_3_103	MW-14	Appendix IV	Barium	mg/l	13	0	0%	0.746	0.002	0.229	0.060	0.796	0.006	0.201	0.162	0.213	>= 0.10	0.933	0.01 <= p < 0.05	0.105	Gamma; Lognormal; Normal	Gamma
21_3_104	MW-14	Appendix IV	Beryllium	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_3_106	MW-14	Appendix IV	Cadmium	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_3_109	MW-14	Appendix IV	Chromium	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_3_110	MW-14	Appendix IV	Cobalt	mg/l	13	10	77%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.136		Nonparametric
21_3_113	MW-14	Appendix IV	Fluoride (App IV)	mg/l	13	10	77%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.230		Nonparametric
21_3_115	MW-14	Appendix IV	Lead	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_3_116	MW-14	Appendix IV	Lithium	mg/l	13	0	0%	0.952	0.635	0.138	0.713	0.948	0.563	0.151	0.580	0.146	>= 0.10	0.346	>= 0.10	0.094	Gamma; Lognormal; Normal	Gamma
21_3_117	MW-14	Appendix IV	Mercury	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_3_118	MW-14	Appendix IV	Molybdenum	mg/l	13	0	0%	0.940	0.458	0.198	0.176	0.936	0.407	0.198	0.174	0.199	>= 0.10	0.485	>= 0.10	0.123	Gamma; Lognormal; Normal	Gamma
21_3_121	MW-14	Appendix IV	Radium-226+228	pci/l	13	2	15%	0.689	0.000	0.336	0.001	0.908	0.233	0.199	0.261	0.237	>= 0.10	0.853	0.01 <= p < 0.05	0.797	Gamma; Lognormal	Gamma
21_3_122	MW-14	Appendix IV	Selenium	mg/l	13	11	85%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.260		Nonparametric
21_3_125	MW-14	Appendix IV	Thallium	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_5_111	MW-14	Part 115	Copper	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_5_114	MW-14	Part 115	Iron	mg/l	13	0	0%	0.902	0.142	0.182	0.284	0.860	0.039	0.171	0.376	0.182	>= 0.10	0.548	>= 0.10	0.238	Gamma; Lognormal; Normal	Gamma
21_5_119	MW-14	Part 115	Nickel	mg/l	13	6	46%	0.881	0.230	0.229	0.324	0.882	0.234	0.252	0.197	0.257	>= 0.10	0.508	>= 0.10	0.172	Gamma; Lognormal; Normal	Gamma
21_5_123	MW-14	Part 115	Silver	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_5_128	MW-14	Part 115	Vanadium	mg/l	13	10	77%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.122		Nonparametric
21_5_129	MW-14	Part 115	Zinc	mg/l	13	10	77%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.703		Nonparametric
22_2_105	MW-15	Appendix III	Boron	mg/l	13	0	0%	0.933	0.368	0.137	0.726	0.883	0.077	0.160	0.481	0.149	>= 0.10	0.458	>= 0.10	0.174	Gamma; Lognormal; Normal	Gamma
22_2_107	MW-15	Appendix III	Calcium	mg/l	13	0	0%	0.921	0.260	0.147	0.620	0.958	0.727	0.134	0.755	0.127	>= 0.10	0.324	>= 0.10	0.140	Gamma; Lognormal; Normal	Gamma
22_2_108	MW-15	Appendix III	Chloride	mg/l	13	0	0%	0.951	0.618	0.145	0.641	0.970	0.900	0.116	0.903	0.130	>= 0.10	0.203	>= 0.10	0.190	Gamma; Lognormal; Normal	Gamma
22_2_112	MW-15	Appendix III	Fluoride	mg/l	13	10	77%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.072		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
22_2_120	MW-15	Appendix III	pH, Field	su	13	0	0%	0.906	0.162	0.198	0.178	0.906	0.164	0.198	0.178	0.207	>= 0.10	0.535	>= 0.10	0.018	Gamma; Lognormal; Normal	Gamma
22_2_124	MW-15	Appendix III	Sulfate	mg/l	13	0	0%	0.801	0.007	0.230	0.059	0.871	0.054	0.234	0.051	0.211	>= 0.10	0.844	0.01 <= p < 0.05	0.343	Gamma; Lognormal; Normal	Gamma
22_2_126	MW-15	Appendix III	Total Dissolved Solids	mg/l	13	0	0%	0.860	0.039	0.206	0.138	0.913	0.199	0.180	0.300	0.189	>= 0.10	0.471	>= 0.10	0.128	Gamma; Lognormal; Normal	Gamma
22_3_101	MW-15	Appendix IV	Antimony	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_3_102	MW-15	Appendix IV	Arsenic	mg/l	13	10	77%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.412		Nonparametric
22_3_103	MW-15	Appendix IV	Barium	mg/l	13	0	0%	0.972	0.919	0.123	0.855	0.985	0.996	0.111	0.930	0.124	>= 0.10	0.178	>= 0.10	0.169	Gamma; Lognormal; Normal	Gamma
22_3_104	MW-15	Appendix IV	Beryllium	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_3_106	MW-15	Appendix IV	Cadmium	mg/l	13	12	92%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_3_109	MW-15	Appendix IV	Chromium	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_3_110	MW-15	Appendix IV	Cobalt	mg/l	13	11	85%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.993		Nonparametric
22_3_113	MW-15	Appendix IV	Fluoride (App IV)	mg/l	13	10	77%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.072		Nonparametric
22_3_115	MW-15	Appendix IV	Lead	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_3_116	MW-15	Appendix IV	Lithium	mg/l	13	12	92%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_3_117	MW-15	Appendix IV	Mercury	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_3_118	MW-15	Appendix IV	Molybdenum	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_3_121	MW-15	Appendix IV	Radium-226+228	pci/l	13	1	8%	0.894	0.133	0.196	0.229	0.911	0.220	0.207	0.165	0.167	>= 0.10	0.405	>= 0.10	0.637	Gamma; Lognormal; Normal	Gamma
22_3_122	MW-15	Appendix IV	Selenium	mg/l	13	5	38%	0.929	0.503	0.196	0.490	0.917	0.407	0.206	0.408	0.214	>= 0.10	0.367	>= 0.10	0.487	Gamma; Lognormal; Normal	Gamma
22_3_125	MW-15	Appendix IV	Thallium	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_5_111	MW-15	Part 115	Copper	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_5_114	MW-15	Part 115	Iron	mg/l	13	1	8%	0.786	0.006	0.207	0.166	0.969	0.896	0.163	0.508	0.136	>= 0.10	0.307	>= 0.10	0.870	Gamma; Lognormal; Normal	Gamma
22_5_119	MW-15	Part 115	Nickel	mg/l	13	12	92%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_5_123	MW-15	Part 115	Silver	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_5_128	MW-15	Part 115	Vanadium	mg/l	13	13	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_5_129	MW-15	Part 115	Zinc	mg/l	13	11	85%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.699		Nonparametric
23_2_105	MW-16A	Appendix III	Boron	mg/l	14	0	0%	0.887	0.074	0.205	0.113	0.867	0.038	0.200	0.134	0.211	>= 0.10	0.783	0.01 <= p < 0.05	0.370	Gamma; Lognormal; Normal	Gamma
23_2_107	MW-16A	Appendix III	Calcium	mg/l	14	0	0%	0.946	0.496	0.166	0.373	0.946	0.506	0.145	0.584	0.158	>= 0.10	0.349	>= 0.10	0.142	Gamma; Lognormal; Normal	Gamma
23_2_108	MW-16A	Appendix III	Chloride	mg/l	14	0	0%	0.948	0.534	0.137	0.682	0.950	0.562	0.130	0.749	0.140	>= 0.10	0.297	>= 0.10	0.111	Gamma; Lognormal; Normal	Gamma
23_2_112	MW-16A	Appendix III	Fluoride	mg/l	14	11	79%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.347		Nonparametric
23_2_120	MW-16A	Appendix III	pH, Field	su	14	0	0%	0.956	0.664	0.138	0.665	0.958	0.692	0.135	0.694	0.134	>= 0.10	0.279	>= 0.10	0.015	Gamma; Lognormal; Normal	Gamma
23_2_124	MW-16A	Appendix III	Sulfate	mg/l	14	0	0%	0.954	0.620	0.148	0.559	0.941	0.431	0.170	0.335	0.170	>= 0.10	0.361	>= 0.10	0.413	Gamma; Lognormal; Normal	Gamma
23_2_126	MW-16A	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	0.958	0.698	0.140	0.641	0.956	0.658	0.144	0.595	0.153	>= 0.10	0.298	>= 0.10	0.139	Gamma; Lognormal; Normal	Gamma
23_3_101	MW-16A	Appendix IV	Antimony	mg/l	14	12	86%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.228		Nonparametric
23_3_102	MW-16A	Appendix IV	Arsenic	mg/l	14	0	0%	0.933	0.341	0.254	0.014	0.836	0.014	0.326	0.000	0.306	< 0.01	0.808	0.01 <= p < 0.05	0.420	Normal	Normal
23_3_103	MW-16A	Appendix IV	Barium	mg/l	14	0	0%	0.954	0.631	0.166	0.365	0.948	0.525	0.176	0.286	0.185	>= 0.10	0.324	>= 0.10	0.179	Gamma; Lognormal; Normal	Gamma
23_3_104	MW-16A	Appendix IV	Beryllium	mg/l	14	13	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
23_3_106	MW-16A	Appendix IV	Cadmium	mg/l	14	12	86%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.030		Nonparametric
23_3_109	MW-16A	Appendix IV	Chromium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
23_3_110	MW-16A	Appendix IV	Cobalt	mg/l	14	11	79%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.397		Nonparametric
23_3_113	MW-16A	Appendix IV	Fluoride (App IV)	mg/l	14	11	79%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.347		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
23_3_115	MW-16A	Appendix IV	Lead	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
23_3_116	MW-16A	Appendix IV	Lithium	mg/l	14	11	79%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.183		Nonparametric
23_3_117	MW-16A	Appendix IV	Mercury	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
23_3_118	MW-16A	Appendix IV	Molybdenum	mg/l	14	11	79%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.377		Nonparametric
23_3_121	MW-16A	Appendix IV	Radium-226+228	pci/l	14	1	7%	0.750	0.002	0.272	0.009	0.900	0.133	0.185	0.261	0.233	0.05 <= p < 0.10	0.689	0.05 <= p < 0.10	0.846	Gamma; Lognormal	Gamma
23_3_122	MW-16A	Appendix IV	Selenium	mg/l	14	13	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
23_3_125	MW-16A	Appendix IV	Thallium	mg/l	14	13	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
23_5_111	MW-16A	Part 115	Copper	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
23_5_114	MW-16A	Part 115	Iron	mg/l	14	0	0%	0.922	0.236	0.167	0.364	0.730	0.001	0.266	0.008	0.230	0.05 <= p < 0.10	0.904	0.01 <= p < 0.05	0.416	Gamma; Normal	Gamma
23_5_119	MW-16A	Part 115	Nickel	mg/l	14	12	86%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.271		Nonparametric
23_5_123	MW-16A	Part 115	Silver	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
23_5_128	MW-16A	Part 115	Vanadium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
23_5_129	MW-16A	Part 115	Zinc	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_2_105	MW-16B	Appendix III	Boron	mg/l	14	0	0%	0.816	0.008	0.300	0.001	0.774	0.002	0.325	0.000	0.306	< 0.01	1.187	< 0.01	0.109	Nonparametric	Nonparametric
24_2_107	MW-16B	Appendix III	Calcium	mg/l	14	0	0%	0.946	0.506	0.139	0.656	0.938	0.393	0.144	0.604	0.149	>= 0.10	0.354	>= 0.10	0.046	Gamma; Lognormal; Normal	Gamma
24_2_108	MW-16B	Appendix III	Chloride	mg/l	14	5	36%	0.681	0.001	0.359	0.001	0.797	0.019	0.279	0.042	0.309	0.01 <= p < 0.05	1.101	< 0.01	0.615	Nonparametric	Nonparametric
24_2_112	MW-16B	Appendix III	Fluoride	mg/l	14	8	57%	0.810	0.073	0.262	0.222	0.736	0.015	0.279	0.150	0.266	>= 0.10	0.732	0.01 <= p < 0.05	0.453	Gamma; Lognormal; Normal	Nonparametric
24_2_120	MW-16B	Appendix III	pH, Field	su	14	0	0%	0.953	0.606	0.177	0.276	0.951	0.582	0.179	0.257	0.180	>= 0.10	0.368	>= 0.10	0.014	Gamma; Lognormal; Normal	Gamma
24_2_124	MW-16B	Appendix III	Sulfate	mg/l	14	0	0%	0.910	0.157	0.254	0.015	0.928	0.287	0.233	0.038	0.240	0.01 <= p < 0.05	0.505	>= 0.10	0.119	Gamma; Lognormal; Normal	Gamma
24_2_126	MW-16B	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	0.877	0.052	0.212	0.090	0.874	0.048	0.215	0.078	0.219	0.05 <= p < 0.10	0.830	0.01 <= p < 0.05	0.026	Gamma; Lognormal; Normal	Gamma
24_3_101	MW-16B	Appendix IV	Antimony	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_3_102	MW-16B	Appendix IV	Arsenic	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_3_103	MW-16B	Appendix IV	Barium	mg/l	14	0	0%	0.927	0.275	0.172	0.315	0.919	0.214	0.180	0.250	0.173	>= 0.10	0.504	>= 0.10	0.041	Gamma; Lognormal; Normal	Gamma
24_3_104	MW-16B	Appendix IV	Beryllium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_3_106	MW-16B	Appendix IV	Cadmium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_3_109	MW-16B	Appendix IV	Chromium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_3_110	MW-16B	Appendix IV	Cobalt	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_3_113	MW-16B	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	0.810	0.073	0.262	0.222	0.736	0.015	0.279	0.150	0.266	>= 0.10	0.732	0.01 <= p < 0.05	0.453	Gamma; Lognormal; Normal	Nonparametric
24_3_115	MW-16B	Appendix IV	Lead	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_3_116	MW-16B	Appendix IV	Lithium	mg/l	14	0	0%	0.923	0.243	0.178	0.265	0.903	0.123	0.191	0.179	0.189	>= 0.10	0.484	>= 0.10	0.080	Gamma; Lognormal; Normal	Gamma
24_3_117	MW-16B	Appendix IV	Mercury	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_3_118	MW-16B	Appendix IV	Molybdenum	mg/l	14	0	0%	0.788	0.004	0.292	0.002	0.819	0.009	0.295	0.002	0.290	< 0.01	1.434	< 0.01	0.108	Nonparametric	Nonparametric
24_3_121	MW-16B	Appendix IV	Radium-226+228	pci/l	14	1	7%	0.742	0.001	0.281	0.006	0.921	0.261	0.171	0.379	0.206	>= 0.10	0.683	0.05 <= p < 0.10	0.499	Gamma; Lognormal	Gamma
24_3_122	MW-16B	Appendix IV	Selenium	mg/l	14	13	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_3_125	MW-16B	Appendix IV	Thallium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_5_111	MW-16B	Part 115	Copper	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_5_114	MW-16B	Part 115	Iron	mg/l	14	0	0%	0.777	0.003	0.278	0.004	0.871	0.044	0.233	0.038	0.252	0.01 <= p < 0.05	0.953	0.01 <= p < 0.05	0.291	Nonparametric	Nonparametric
24_5_119	MW-16B	Part 115	Nickel	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_5_123	MW-16B	Part 115	Silver	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
24_5_128	MW-16B	Part 115	Vanadium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
24_5_129	MW-16B	Part 115	Zinc	mg/l	14	13	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
25_2_105	MW-17A	Appendix III	Boron	mg/l	9	0	0%	0.867	0.114	0.241	0.137	0.886	0.183	0.224	0.215	0.228	>= 0.10	0.555	>= 0.10	0.090	Gamma; Lognormal; Normal	Gamma
25_2_107	MW-17A	Appendix III	Calcium	mg/l	9	0	0%	0.937	0.553	0.200	0.373	0.934	0.523	0.209	0.311	0.195	>= 0.10	0.367	>= 0.10	0.063	Gamma; Lognormal; Normal	Gamma
25_2_108	MW-17A	Appendix III	Chloride	mg/l	9	0	0%	0.896	0.231	0.238	0.148	0.903	0.269	0.236	0.156	0.245	>= 0.10	0.471	>= 0.10	0.037	Gamma; Lognormal; Normal	Gamma
25_2_112	MW-17A	Appendix III	Fluoride	mg/l	9	3	33%	0.839	0.129	0.318	0.058	0.919	0.499	0.267	0.199	0.280	>= 0.10	0.419	>= 0.10	0.281	Gamma; Lognormal; Normal	Gamma
25_2_120	MW-17A	Appendix III	pH, Field	su	11	0	0%	0.983	0.981	0.109	0.971	0.984	0.983	0.109	0.972	0.104	>= 0.10	0.177	>= 0.10	0.011	Gamma; Lognormal; Normal	Gamma
25_2_124	MW-17A	Appendix III	Sulfate	mg/l	9	0	0%	0.908	0.301	0.201	0.372	0.889	0.196	0.214	0.273	0.196	>= 0.10	0.399	>= 0.10	0.071	Gamma; Lognormal; Normal	Gamma
25_2_126	MW-17A	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.750	0.005	0.348	0.002	0.730	0.003	0.362	0.001	0.354	< 0.01	1.219	< 0.01	0.070	Nonparametric	Nonparametric
25_3_101	MW-17A	Appendix IV	Antimony	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
25_3_102	MW-17A	Appendix IV	Arsenic	mg/l	9	1	11%	0.896	0.264	0.204	0.418	0.875	0.167	0.225	0.275	0.218	>= 0.10	0.512	>= 0.10	0.293	Gamma; Lognormal; Normal	Gamma
25_3_103	MW-17A	Appendix IV	Barium	mg/l	9	0	0%	0.878	0.151	0.233	0.171	0.892	0.207	0.215	0.269	0.224	>= 0.10	0.592	>= 0.10	0.112	Gamma; Lognormal; Normal	Gamma
25_3_104	MW-17A	Appendix IV	Beryllium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
25_3_106	MW-17A	Appendix IV	Cadmium	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
25_3_109	MW-17A	Appendix IV	Chromium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
25_3_110	MW-17A	Appendix IV	Cobalt	mg/l	9	7	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.403		Nonparametric
25_3_113	MW-17A	Appendix IV	Fluoride (App IV)	mg/l	9	3	33%	0.839	0.129	0.318	0.058	0.919	0.499	0.267	0.199	0.280	>= 0.10	0.419	>= 0.10	0.281	Gamma; Lognormal; Normal	Gamma
25_3_115	MW-17A	Appendix IV	Lead	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
25_3_116	MW-17A	Appendix IV	Lithium	mg/l	9	0	0%	0.864	0.106	0.221	0.232	0.854	0.081	0.204	0.349	0.213	>= 0.10	0.636	0.05 <= p < 0.10	0.094	Gamma; Lognormal; Normal	Gamma
25_3_117	MW-17A	Appendix IV	Mercury	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
25_3_118	MW-17A	Appendix IV	Molybdenum	mg/l	9	0	0%	0.855	0.084	0.217	0.256	0.912	0.333	0.172	0.616	0.182	>= 0.10	0.439	>= 0.10	0.216	Gamma; Lognormal; Normal	Gamma
25_3_121	MW-17A	Appendix IV	Radium-226+228	pci/l	9	2	22%	0.603	0.000	0.362	0.006	0.789	0.032	0.234	0.293	0.286	>= 0.10	0.939	0.01 <= p < 0.05	0.777	Gamma; Lognormal	Gamma
25_3_122	MW-17A	Appendix IV	Selenium	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
25_3_125	MW-17A	Appendix IV	Thallium	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
25_5_111	MW-17A	Part 115	Copper	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
25_5_114	MW-17A	Part 115	Iron	mg/l	9	0	0%	0.810	0.026	0.260	0.080	0.852	0.078	0.233	0.169	0.234	>= 0.10	0.588	>= 0.10	0.116	Gamma; Lognormal; Normal	Gamma
25_5_119	MW-17A	Part 115	Nickel	mg/l	9	1	11%	0.931	0.521	0.196	0.483	0.927	0.489	0.214	0.344	0.214	>= 0.10	0.352	>= 0.10	0.109	Gamma; Lognormal; Normal	Gamma
25_5_123	MW-17A	Part 115	Silver	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
25_5_128	MW-17A	Part 115	Vanadium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
25_5_129	MW-17A	Part 115	Zinc	mg/l	9	4	44%	0.575	0.000	0.454	0.001	0.847	0.186	0.241	0.445	0.339	>= 0.10	0.715	0.05 <= p < 0.10	2.485	Gamma; Lognormal	Gamma
26_2_105	MW-17B	Appendix III	Boron	mg/l	9	0	0%	0.581	0.000	0.390	0.000	0.668	0.001	0.335	0.004	0.354	< 0.01	1.443	< 0.01	0.265	Nonparametric	Nonparametric
26_2_107	MW-17B	Appendix III	Calcium	mg/l	9	0	0%	0.682	0.001	0.354	0.002	0.776	0.011	0.300	0.019	0.316	0.01 <= p < 0.05	0.944	0.01 <= p < 0.05	0.238	Nonparametric	Nonparametric
26_2_108	MW-17B	Appendix III	Chloride	mg/l	9	0	0%	0.927	0.454	0.166	0.673	0.926	0.447	0.176	0.581	0.180	>= 0.10	0.364	>= 0.10	0.064	Gamma; Lognormal; Normal	Gamma
26_2_112	MW-17B	Appendix III	Fluoride	mg/l	9	2	22%	0.770	0.021	0.283	0.094	0.670	0.002	0.350	0.010	0.329	0.01 <= p < 0.05	1.043	< 0.01	0.366	Normal	Normal
26_2_120	MW-17B	Appendix III	pH, Field	su	11	0	0%	0.860	0.058	0.245	0.065	0.851	0.044	0.250	0.053	0.240	0.05 <= p < 0.10	0.776	0.01 <= p < 0.05	0.026	Gamma; Lognormal; Normal	Gamma
26_2_124	MW-17B	Appendix III	Sulfate	mg/l	9	0	0%	0.642	0.000	0.330	0.005	0.714	0.002	0.277	0.045	0.291	0.01 <= p < 0.05	1.168	< 0.01	0.216	Nonparametric	Nonparametric
26_2_126	MW-17B	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.707	0.002	0.381	0.000	0.795	0.018	0.338	0.004	0.352	< 0.01	0.960	0.01 <= p < 0.05	0.211	Nonparametric	Nonparametric
26_3_101	MW-17B	Appendix IV	Antimony	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_3_102	MW-17B	Appendix IV	Arsenic	mg/l	9	1	11%	0.814	0.041	0.290	0.047	0.830	0.059	0.257	0.124	0.279	0.05 <= p < 0.10	0.748	0.01 <= p < 0.05	0.324	Gamma; Lognormal	Gamma

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
26_3_103	MW-17B	Appendix IV	Barium	mg/l	9	0	0%	0.894	0.217	0.187	0.483	0.918	0.378	0.165	0.687	0.179	>= 0.10	0.369	>= 0.10	0.223	Gamma; Lognormal; Normal	Gamma
26_3_104	MW-17B	Appendix IV	Beryllium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_3_106	MW-17B	Appendix IV	Cadmium	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_3_109	MW-17B	Appendix IV	Chromium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_3_110	MW-17B	Appendix IV	Cobalt	mg/l	9	5	56%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.469		Nonparametric
26_3_113	MW-17B	Appendix IV	Fluoride (App IV)	mg/l	9	2	22%	0.770	0.021	0.283	0.094	0.670	0.002	0.350	0.010	0.329	0.01 <= p < 0.05	1.043	< 0.01	0.366	Normal	Normal
26_3_115	MW-17B	Appendix IV	Lead	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_3_116	MW-17B	Appendix IV	Lithium	mg/l	9	0	0%	0.887	0.186	0.276	0.047	0.851	0.076	0.310	0.013	0.288	0.01 <= p < 0.05	0.675	0.05 <= p < 0.10	0.180	Gamma; Lognormal; Normal	Gamma
26_3_117	MW-17B	Appendix IV	Mercury	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_3_118	MW-17B	Appendix IV	Molybdenum	mg/l	9	0	0%	0.679	0.001	0.345	0.003	0.533	0.000	0.433	0.000	0.416	< 0.01	1.776	< 0.01	0.582	Nonparametric	Nonparametric
26_3_121	MW-17B	Appendix IV	Radium-226+228	pci/l	9	2	22%	0.790	0.033	0.323	0.027	0.818	0.062	0.317	0.032	0.338	0.01 <= p < 0.05	0.726	0.01 <= p < 0.05	0.597	Lognormal	Lognormal
26_3_122	MW-17B	Appendix IV	Selenium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_3_125	MW-17B	Appendix IV	Thallium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_5_111	MW-17B	Part 115	Copper	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_5_114	MW-17B	Part 115	Iron	mg/l	9	0	0%	0.587	0.000	0.368	0.001	0.736	0.004	0.265	0.069	0.302	0.01 <= p < 0.05	1.201	< 0.01	0.432	Lognormal	Lognormal
26_5_119	MW-17B	Part 115	Nickel	mg/l	9	3	33%	0.972	0.902	0.185	0.750	0.967	0.875	0.197	0.660	0.211	>= 0.10	0.225	>= 0.10	0.134	Gamma; Lognormal; Normal	Gamma
26_5_123	MW-17B	Part 115	Silver	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_5_128	MW-17B	Part 115	Vanadium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_5_129	MW-17B	Part 115	Zinc	mg/l	9	3	33%	0.749	0.019	0.302	0.092	0.936	0.624	0.187	0.734	0.231	>= 0.10	0.382	>= 0.10	1.371	Gamma; Lognormal; Normal	Gamma
27_2_105	MW-17C	Appendix III	Boron	mg/l	9	0	0%	0.904	0.277	0.154	0.777	0.919	0.380	0.159	0.740	0.170	>= 0.10	0.350	>= 0.10	0.204	Gamma; Lognormal; Normal	Gamma
27_2_107	MW-17C	Appendix III	Calcium	mg/l	9	0	0%	0.970	0.898	0.144	0.853	0.952	0.717	0.177	0.570	0.156	>= 0.10	0.245	>= 0.10	0.201	Gamma; Lognormal; Normal	Gamma
27_2_108	MW-17C	Appendix III	Chloride	mg/l	9	0	0%	0.902	0.262	0.222	0.227	0.893	0.212	0.238	0.149	0.220	>= 0.10	0.527	>= 0.10	0.162	Gamma; Lognormal; Normal	Gamma
27_2_112	MW-17C	Appendix III	Fluoride	mg/l	9	2	22%	0.817	0.060	0.274	0.117	0.804	0.045	0.276	0.110	0.290	0.05 <= p < 0.10	0.677	0.05 <= p < 0.10	0.151	Gamma; Lognormal; Normal	Gamma
27_2_120	MW-17C	Appendix III	pH, Field	su	11	0	0%	0.867	0.072	0.247	0.059	0.859	0.055	0.244	0.067	0.239	0.05 <= p < 0.10	0.788	0.01 <= p < 0.05	0.040	Gamma; Lognormal; Normal	Gamma
27_2_124	MW-17C	Appendix III	Sulfate	mg/l	9	0	0%	0.851	0.076	0.239	0.147	0.800	0.020	0.282	0.037	0.268	0.05 <= p < 0.10	0.814	0.01 <= p < 0.05	0.242	Gamma; Normal	Gamma
27_2_126	MW-17C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.935	0.535	0.187	0.481	0.918	0.375	0.206	0.328	0.211	>= 0.10	0.405	>= 0.10	0.156	Gamma; Lognormal; Normal	Gamma
27_3_101	MW-17C	Appendix IV	Antimony	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_3_102	MW-17C	Appendix IV	Arsenic	mg/l	9	0	0%	0.879	0.152	0.225	0.211	0.924	0.428	0.189	0.471	0.212	>= 0.10	0.390	>= 0.10	0.377	Gamma; Lognormal; Normal	Gamma
27_3_103	MW-17C	Appendix IV	Barium	mg/l	9	0	0%	0.789	0.015	0.290	0.028	0.843	0.062	0.257	0.089	0.261	0.05 <= p < 0.10	0.638	0.05 <= p < 0.10	0.147	Gamma; Lognormal	Gamma
27_3_104	MW-17C	Appendix IV	Beryllium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_3_106	MW-17C	Appendix IV	Cadmium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_3_109	MW-17C	Appendix IV	Chromium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_3_110	MW-17C	Appendix IV	Cobalt	mg/l	9	4	44%	0.765	0.041	0.284	0.205	0.863	0.241	0.254	0.360	0.289	>= 0.10	0.505	>= 0.10	0.709	Gamma; Lognormal; Normal	Gamma
27_3_113	MW-17C	Appendix IV	Fluoride (App IV)	mg/l	9	2	22%	0.817	0.060	0.274	0.117	0.804	0.045	0.276	0.110	0.290	0.05 <= p < 0.10	0.677	0.05 <= p < 0.10	0.151	Gamma; Lognormal; Normal	Gamma
27_3_115	MW-17C	Appendix IV	Lead	mg/l	9	6	67%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.093		Nonparametric
27_3_116	MW-17C	Appendix IV	Lithium	mg/l	9	0	0%	0.822	0.036	0.355	0.002	0.884	0.172	0.310	0.013	0.329	< 0.01	0.723	0.01 <= p < 0.05	0.293	Lognormal	Lognormal
27_3_117	MW-17C	Appendix IV	Mercury	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_3_118	MW-17C	Appendix IV	Molybdenum	mg/l	9	0	0%	0.888	0.191	0.190	0.456	0.916	0.364	0.180	0.544	0.189	>= 0.10	0.358	>= 0.10	0.534	Gamma; Lognormal; Normal	Gamma
27_3_121	MW-17C	Appendix IV	Radium-226+228	pci/l	9	0	0%	0.904	0.278	0.225	0.209	0.924	0.427	0.224	0.218	0.240	>= 0.10	0.384	>= 0.10	0.433	Gamma; Lognormal; Normal	Gamma

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
27_3_122	MW-17C	Appendix IV	Selenium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_3_125	MW-17C	Appendix IV	Thallium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_5_111	MW-17C	Part 115	Copper	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_5_114	MW-17C	Part 115	Iron	mg/l	9	0	0%	0.930	0.486	0.178	0.566	0.943	0.617	0.158	0.746	0.177	>= 0.10	0.276	>= 0.10	0.448	Gamma; Lognormal; Normal	Gamma
27_5_119	MW-17C	Part 115	Nickel	mg/l	9	1	11%	0.944	0.653	0.200	0.454	0.904	0.311	0.230	0.243	0.227	>= 0.10	0.401	>= 0.10	0.238	Gamma; Lognormal; Normal	Gamma
27_5_123	MW-17C	Part 115	Silver	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_5_128	MW-17C	Part 115	Vanadium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_5_129	MW-17C	Part 115	Zinc	mg/l	9	4	44%	0.585	0.000	0.443	0.002	0.832	0.145	0.302	0.140	0.335	>= 0.10	0.701	0.05 <= p < 0.10	2.507	Gamma; Lognormal	Gamma
28_2_105	MW-18A	Appendix III	Boron	mg/l	10	0	0%	0.591	0.000	0.341	0.002	0.768	0.006	0.253	0.070	0.267	0.05 <= p < 0.10	1.240	< 0.01	0.483	Gamma; Lognormal	Gamma
28_2_107	MW-18A	Appendix III	Calcium	mg/l	10	0	0%	0.635	0.000	0.405	0.000	0.458	0.000	0.485	0.000	0.482	< 0.01	2.383	< 0.01	0.896	Nonparametric	Nonparametric
28_2_108	MW-18A	Appendix III	Chloride	mg/l	10	0	0%	0.632	0.000	0.327	0.003	0.444	0.000	0.467	0.000	0.454	< 0.01	2.471	< 0.01	1.123	Nonparametric	Nonparametric
28_2_112	MW-18A	Appendix III	Fluoride	mg/l	10	0	0%	0.962	0.804	0.165	0.619	0.927	0.417	0.204	0.280	0.179	>= 0.10	0.317	>= 0.10	0.297	Gamma; Lognormal; Normal	Gamma
28_2_120	MW-18A	Appendix III	pH, Field	su	12	0	0%	0.918	0.270	0.199	0.208	0.911	0.222	0.205	0.177	0.201	>= 0.10	0.542	>= 0.10	0.028	Gamma; Lognormal; Normal	Gamma
28_2_124	MW-18A	Appendix III	Sulfate	mg/l	10	0	0%	0.578	0.000	0.369	0.000	0.408	0.000	0.494	0.000	0.503	< 0.01	2.884	< 0.01	1.652	Nonparametric	Nonparametric
28_2_126	MW-18A	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	0.903	0.239	0.166	0.607	0.865	0.088	0.191	0.378	0.170	>= 0.10	0.482	>= 0.10	0.116	Gamma; Lognormal; Normal	Gamma
28_3_101	MW-18A	Appendix IV	Antimony	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_3_102	MW-18A	Appendix IV	Arsenic	mg/l	10	4	40%	0.742	0.017	0.334	0.035	0.913	0.455	0.208	0.570	0.250	>= 0.10	0.475	>= 0.10	0.675	Gamma; Lognormal	Gamma
28_3_103	MW-18A	Appendix IV	Barium	mg/l	10	0	0%	0.909	0.276	0.221	0.182	0.680	0.000	0.372	0.000	0.325	< 0.01	0.946	0.01 <= p < 0.05	0.780	Normal	Normal
28_3_104	MW-18A	Appendix IV	Beryllium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_3_106	MW-18A	Appendix IV	Cadmium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_3_109	MW-18A	Appendix IV	Chromium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_3_110	MW-18A	Appendix IV	Cobalt	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_3_113	MW-18A	Appendix IV	Fluoride (App IV)	mg/l	10	0	0%	0.962	0.804	0.165	0.619	0.927	0.417	0.204	0.280	0.179	>= 0.10	0.317	>= 0.10	0.297	Gamma; Lognormal; Normal	Gamma
28_3_115	MW-18A	Appendix IV	Lead	mg/l	10	8	80%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.016		Nonparametric
28_3_116	MW-18A	Appendix IV	Lithium	mg/l	10	0	0%	0.904	0.242	0.234	0.124	0.816	0.023	0.311	0.007	0.279	0.01 <= p < 0.05	0.666	0.05 <= p < 0.10	0.402	Gamma; Normal	Gamma
28_3_117	MW-18A	Appendix IV	Mercury	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_3_118	MW-18A	Appendix IV	Molybdenum	mg/l	10	1	10%	0.849	0.072	0.240	0.142	0.815	0.031	0.248	0.112	0.257	>= 0.10	0.742	0.01 <= p < 0.05	0.194	Gamma; Lognormal; Normal	Gamma
28_3_121	MW-18A	Appendix IV	Radium-226+228	pci/l	10	2	20%	0.772	0.014	0.276	0.074	0.931	0.521	0.192	0.522	0.221	>= 0.10	0.485	>= 0.10	0.454	Gamma; Lognormal; Normal	Gamma
28_3_122	MW-18A	Appendix IV	Selenium	mg/l	10	9	90%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_3_125	MW-18A	Appendix IV	Thallium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_5_111	MW-18A	Part 115	Copper	mg/l	10	9	90%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_5_114	MW-18A	Part 115	Iron	mg/l	10	0	0%	0.923	0.380	0.184	0.440	0.653	0.000	0.337	0.002	0.258	0.05 <= p < 0.10	0.857	0.01 <= p < 0.05	1.375	Gamma; Normal	Gamma
28_5_119	MW-18A	Part 115	Nickel	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_5_123	MW-18A	Part 115	Silver	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_5_128	MW-18A	Part 115	Vanadium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_5_129	MW-18A	Part 115	Zinc	mg/l	10	7	70%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.212		Nonparametric
29_2_105	MW-18B	Appendix III	Boron	mg/l	10	0	0%	0.836	0.040	0.247	0.085	0.737	0.002	0.256	0.063	0.263	0.05 <= p < 0.10	0.949	0.01 <= p < 0.05	0.346	Gamma; Lognormal; Normal	Gamma
29_2_107	MW-18B	Appendix III	Calcium	mg/l	10	0	0%	0.758	0.005	0.238	0.112	0.703	0.001	0.259	0.056	0.240	>= 0.10	1.121	< 0.01	0.199	Gamma; Lognormal; Normal	Gamma
29_2_108	MW-18B	Appendix III	Chloride	mg/l	10	0	0%	0.814	0.021	0.244	0.094	0.785	0.009	0.260	0.054	0.252	0.05 <= p < 0.10	0.845	0.01 <= p < 0.05	0.076	Gamma; Lognormal; Normal	Gamma

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
29_2_112	MW-18B	Appendix III	Fluoride	mg/l	10	1	10%	0.857	0.088	0.226	0.204	0.774	0.010	0.245	0.124	0.243	>= 0.10	0.773	0.01 <= p < 0.05	0.365	Gamma; Lognormal; Normal	Gamma
29_2_120	MW-18B	Appendix III	pH, Field	su	12	0	0%	0.947	0.597	0.141	0.738	0.948	0.601	0.142	0.721	0.148	>= 0.10	0.305	>= 0.10	0.011	Gamma; Lognormal; Normal	Gamma
29_2_124	MW-18B	Appendix III	Sulfate	mg/l	10	0	0%	0.735	0.002	0.244	0.093	0.614	0.000	0.332	0.003	0.302	0.01 <= p < 0.05	1.401	< 0.01	0.348	Normal	Normal
29_2_126	MW-18B	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	0.809	0.019	0.305	0.009	0.745	0.003	0.331	0.003	0.325	< 0.01	0.991	< 0.01	0.165	Nonparametric	Nonparametric
29_3_101	MW-18B	Appendix IV	Antimony	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_3_102	MW-18B	Appendix IV	Arsenic	mg/l	10	8	80%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.009		Nonparametric
29_3_103	MW-18B	Appendix IV	Barium	mg/l	10	0	0%	0.818	0.024	0.279	0.027	0.772	0.007	0.304	0.009	0.283	0.01 <= p < 0.05	0.916	0.01 <= p < 0.05	0.106	Nonparametric	Nonparametric
29_3_104	MW-18B	Appendix IV	Beryllium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_3_106	MW-18B	Appendix IV	Cadmium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_3_109	MW-18B	Appendix IV	Chromium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_3_110	MW-18B	Appendix IV	Cobalt	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_3_113	MW-18B	Appendix IV	Fluoride (App IV)	mg/l	10	1	10%	0.857	0.088	0.226	0.204	0.774	0.010	0.245	0.124	0.243	>= 0.10	0.773	0.01 <= p < 0.05	0.365	Gamma; Lognormal; Normal	Gamma
29_3_115	MW-18B	Appendix IV	Lead	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_3_116	MW-18B	Appendix IV	Lithium	mg/l	10	0	0%	0.663	0.000	0.338	0.002	0.650	0.000	0.345	0.001	0.358	< 0.01	1.862	< 0.01	0.135	Nonparametric	Nonparametric
29_3_117	MW-18B	Appendix IV	Mercury	mg/l	11	10	91%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_3_118	MW-18B	Appendix IV	Molybdenum	mg/l	10	0	0%	0.835	0.038	0.279	0.026	0.809	0.019	0.286	0.020	0.300	0.01 <= p < 0.05	0.903	0.01 <= p < 0.05	0.153	Nonparametric	Nonparametric
29_3_121	MW-18B	Appendix IV	Radium-226+228	pci/l	10	0	0%	0.878	0.122	0.159	0.670	0.989	0.995	0.103	0.992	0.122	>= 0.10	0.197	>= 0.10	0.541	Gamma; Lognormal; Normal	Gamma
29_3_122	MW-18B	Appendix IV	Selenium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_3_125	MW-18B	Appendix IV	Thallium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_5_111	MW-18B	Part 115	Copper	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_5_114	MW-18B	Part 115	Iron	mg/l	10	0	0%	0.936	0.512	0.200	0.305	0.929	0.439	0.214	0.216	0.204	>= 0.10	0.347	>= 0.10	0.075	Gamma; Lognormal; Normal	Gamma
29_5_119	MW-18B	Part 115	Nickel	mg/l	10	1	10%	0.983	0.978	0.149	0.818	0.963	0.831	0.175	0.594	0.173	>= 0.10	0.198	>= 0.10	0.195	Gamma; Lognormal; Normal	Gamma
29_5_123	MW-18B	Part 115	Silver	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_5_128	MW-18B	Part 115	Vanadium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_5_129	MW-18B	Part 115	Zinc	mg/l	10	7	70%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.538		Nonparametric
30_2_105	MW-19A	Appendix III	Boron	mg/l	9	0	0%	0.708	0.002	0.294	0.024	0.663	0.001	0.313	0.011	0.309	0.01 <= p < 0.05	1.242	< 0.01	0.131	Nonparametric	Nonparametric
30_2_107	MW-19A	Appendix III	Calcium	mg/l	9	0	0%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.030		Nonparametric
30_2_108	MW-19A	Appendix III	Chloride	mg/l	9	0	0%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.065		Nonparametric
30_2_112	MW-19A	Appendix III	Fluoride	mg/l	9	0	0%	0.952	0.715	0.137	0.895	0.954	0.731	0.146	0.840	0.151	>= 0.10	0.273	>= 0.10	0.202	Gamma; Lognormal; Normal	Gamma
30_2_120	MW-19A	Appendix III	pH, Field	su	9	0	0%	0.974	0.923	0.115	0.981	0.974	0.925	0.114	0.983	0.128	>= 0.10	0.186	>= 0.10	0.018	Gamma; Lognormal; Normal	Gamma
30_2_124	MW-19A	Appendix III	Sulfate	mg/l	9	0	0%	0.879	0.152	0.264	0.071	0.874	0.137	0.264	0.071	0.278	0.05 <= p < 0.10	0.618	0.05 <= p < 0.10	0.126	Gamma; Lognormal; Normal	Gamma
30_2_126	MW-19A	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.877	0.147	0.205	0.335	0.865	0.109	0.211	0.298	0.217	>= 0.10	0.591	>= 0.10	0.037	Gamma; Lognormal; Normal	Gamma
30_3_101	MW-19A	Appendix IV	Antimony	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_3_102	MW-19A	Appendix IV	Arsenic	mg/l	9	0	0%	0.843	0.063	0.284	0.036	0.802	0.022	0.316	0.010	0.308	0.01 <= p < 0.05	0.745	0.01 <= p < 0.05	0.202	Normal	Normal
30_3_103	MW-19A	Appendix IV	Barium	mg/l	9	0	0%	0.890	0.198	0.193	0.431	0.907	0.295	0.182	0.531	0.186	>= 0.10	0.390	>= 0.10	0.068	Gamma; Lognormal; Normal	Gamma
30_3_104	MW-19A	Appendix IV	Beryllium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_3_106	MW-19A	Appendix IV	Cadmium	mg/l	9	5	56%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.389		Nonparametric
30_3_109	MW-19A	Appendix IV	Chromium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_3_110	MW-19A	Appendix IV	Cobalt	mg/l	9	4	44%	0.638	0.002	0.402	0.008	0.730	0.019	0.315	0.104	0.362	0.01 <= p < 0.05	0.874	0.01 <= p < 0.05	0.721	Lognormal	Lognormal

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
30_3_113	MW-19A	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.952	0.715	0.137	0.895	0.954	0.731	0.146	0.840	0.151	>= 0.10	0.273	>= 0.10	0.202	Gamma; Lognormal; Normal	Gamma
30_3_115	MW-19A	Appendix IV	Lead	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_3_116	MW-19A	Appendix IV	Lithium	mg/l	9	0	0%	0.884	0.172	0.206	0.330	0.885	0.179	0.198	0.391	0.216	>= 0.10	0.544	>= 0.10	0.094	Gamma; Lognormal; Normal	Gamma
30_3_117	MW-19A	Appendix IV	Mercury	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_3_118	MW-19A	Appendix IV	Molybdenum	mg/l	9	0	0%	0.957	0.772	0.163	0.704	0.950	0.685	0.172	0.622	0.184	>= 0.10	0.292	>= 0.10	0.151	Gamma; Lognormal; Normal	Gamma
30_3_121	MW-19A	Appendix IV	Radium-226+228	pci/l	9	4	44%	0.973	0.893	0.171	0.903	0.931	0.603	0.214	0.632	0.188	>= 0.10	0.263	>= 0.10	0.260	Gamma; Lognormal; Normal	Gamma
30_3_122	MW-19A	Appendix IV	Selenium	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_3_125	MW-19A	Appendix IV	Thallium	mg/l	9	7	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.193		Nonparametric
30_5_111	MW-19A	Part 115	Copper	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_5_114	MW-19A	Part 115	Iron	mg/l	9	0	0%	0.961	0.805	0.159	0.740	0.977	0.946	0.141	0.874	0.151	>= 0.10	0.196	>= 0.10	0.123	Gamma; Lognormal; Normal	Gamma
30_5_119	MW-19A	Part 115	Nickel	mg/l	9	0	0%	0.854	0.083	0.282	0.038	0.856	0.087	0.290	0.028	0.292	0.01 <= p < 0.05	0.768	0.01 <= p < 0.05	0.105	Lognormal; Normal	Lognormal
30_5_123	MW-19A	Part 115	Silver	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_5_128	MW-19A	Part 115	Vanadium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_5_129	MW-19A	Part 115	Zinc	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
31_2_105	MW-19B	Appendix III	Boron	mg/l	9	0	0%	0.851	0.077	0.226	0.203	0.828	0.043	0.244	0.127	0.244	>= 0.10	0.732	0.01 <= p < 0.05	0.128	Gamma; Lognormal; Normal	Gamma
31_2_107	MW-19B	Appendix III	Calcium	mg/l	9	0	0%	0.913	0.338	0.248	0.113	0.914	0.347	0.243	0.129	0.255	>= 0.10	0.549	>= 0.10	0.048	Gamma; Lognormal; Normal	Gamma
31_2_108	MW-19B	Appendix III	Chloride	mg/l	9	0	0%	0.746	0.005	0.342	0.003	0.749	0.005	0.339	0.004	0.347	< 0.01	1.106	< 0.01	0.052	Nonparametric	Nonparametric
31_2_112	MW-19B	Appendix III	Fluoride	mg/l	9	0	0%	0.818	0.033	0.316	0.010	0.806	0.024	0.329	0.006	0.338	< 0.01	0.953	0.01 <= p < 0.05	0.147	Nonparametric	Nonparametric
31_2_120	MW-19B	Appendix III	pH, Field	su	9	0	0%	0.963	0.826	0.180	0.551	0.961	0.811	0.182	0.528	0.182	>= 0.10	0.248	>= 0.10	0.014	Gamma; Lognormal; Normal	Gamma
31_2_124	MW-19B	Appendix III	Sulfate	mg/l	9	0	0%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.041		Nonparametric
31_2_126	MW-19B	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.838	0.054	0.255	0.095	0.823	0.037	0.265	0.069	0.252	>= 0.10	0.848	0.01 <= p < 0.05	0.046	Gamma; Lognormal; Normal	Gamma
31_3_101	MW-19B	Appendix IV	Antimony	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
31_3_102	MW-19B	Appendix IV	Arsenic	mg/l	9	0	0%	0.969	0.884	0.175	0.594	0.968	0.877	0.165	0.681	0.156	>= 0.10	0.243	>= 0.10	0.111	Gamma; Lognormal; Normal	Gamma
31_3_103	MW-19B	Appendix IV	Barium	mg/l	9	0	0%	0.931	0.492	0.183	0.517	0.908	0.300	0.190	0.458	0.199	>= 0.10	0.368	>= 0.10	0.079	Gamma; Lognormal; Normal	Gamma
31_3_104	MW-19B	Appendix IV	Beryllium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
31_3_106	MW-19B	Appendix IV	Cadmium	mg/l	9	5	56%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.216		Nonparametric
31_3_109	MW-19B	Appendix IV	Chromium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
31_3_110	MW-19B	Appendix IV	Cobalt	mg/l	9	5	56%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.196		Nonparametric
31_3_113	MW-19B	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.818	0.033	0.316	0.010	0.806	0.024	0.329	0.006	0.338	< 0.01	0.953	0.01 <= p < 0.05	0.147	Nonparametric	Nonparametric
31_3_115	MW-19B	Appendix IV	Lead	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
31_3_116	MW-19B	Appendix IV	Lithium	mg/l	9	0	0%	0.867	0.113	0.260	0.081	0.855	0.085	0.271	0.055	0.273	0.05 <= p < 0.10	0.596	>= 0.10	0.094	Gamma; Lognormal; Normal	Gamma
31_3_117	MW-19B	Appendix IV	Mercury	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
31_3_118	MW-19B	Appendix IV	Molybdenum	mg/l	9	0	0%	0.600	0.000	0.339	0.004	0.718	0.002	0.303	0.017	0.317	0.01 <= p < 0.05	1.262	< 0.01	0.381	Nonparametric	Nonparametric
31_3_121	MW-19B	Appendix IV	Radium-226+228	pci/l	9	2	22%	0.915	0.433	0.172	0.766	0.906	0.367	0.179	0.711	0.189	>= 0.10	0.364	>= 0.10	0.260	Gamma; Lognormal; Normal	Gamma
31_3_122	MW-19B	Appendix IV	Selenium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
31_3_125	MW-19B	Appendix IV	Thallium	mg/l	9	7	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.024		Nonparametric
31_5_111	MW-19B	Part 115	Copper	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
31_5_114	MW-19B	Part 115	Iron	mg/l	9	0	0%	0.975	0.935	0.167	0.668	0.973	0.918	0.184	0.509	0.179	>= 0.10	0.218	>= 0.10	0.099	Gamma; Lognormal; Normal	Gamma
31_5_119	MW-19B	Part 115	Nickel	mg/l	9	0	0%	0.913	0.338	0.248	0.113	0.914	0.347	0.242	0.133	0.255	>= 0.10	0.548	>= 0.10	0.057	Gamma; Lognormal; Normal	Gamma

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
31_5_123	MW-19B	Part 115	Silver	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
31_5_128	MW-19B	Part 115	Vanadium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
31_5_129	MW-19B	Part 115	Zinc	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
32_2_105	MW-100A	Appendix III	Boron	mg/l	12	2	17%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.094		Nonparametric
32_2_107	MW-100A	Appendix III	Calcium	mg/l	12	0	0%	0.918	0.270	0.213	0.137	0.908	0.203	0.216	0.125	0.222	>= 0.10	0.476	>= 0.10	0.034	Gamma; Lognormal; Normal	Gamma
32_2_108	MW-100A	Appendix III	Chloride	mg/l	12	0	0%	0.712	0.001	0.335	0.001	0.715	0.001	0.337	0.001	0.343	< 0.01	1.555	< 0.01	0.037	Nonparametric	Nonparametric
32_2_112	MW-100A	Appendix III	Fluoride	mg/l	12	7	58%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.415		Nonparametric
32_2_120	MW-100A	Appendix III	pH, Field	su	12	0	0%	0.961	0.795	0.132	0.817	0.959	0.776	0.134	0.797	0.136	>= 0.10	0.248	>= 0.10	0.013	Gamma; Lognormal; Normal	Gamma
32_2_124	MW-100A	Appendix III	Sulfate	mg/l	12	0	0%	0.940	0.504	0.179	0.357	0.965	0.852	0.150	0.641	0.168	>= 0.10	0.255	>= 0.10	0.261	Gamma; Lognormal; Normal	Gamma
32_2_126	MW-100A	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	0.843	0.030	0.266	0.019	0.827	0.019	0.279	0.011	0.278	0.01 <= p < 0.05	1.047	< 0.01	0.074	Nonparametric	Nonparametric
32_3_101	MW-100A	Appendix IV	Antimony	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
32_3_102	MW-100A	Appendix IV	Arsenic	mg/l	12	0	0%	0.977	0.969	0.120	0.903	0.954	0.702	0.154	0.600	0.146	>= 0.10	0.229	>= 0.10	0.207	Gamma; Lognormal; Normal	Gamma
32_3_103	MW-100A	Appendix IV	Barium	mg/l	12	0	0%	0.904	0.179	0.193	0.249	0.901	0.162	0.199	0.210	0.203	>= 0.10	0.585	>= 0.10	0.045	Gamma; Lognormal; Normal	Gamma
32_3_104	MW-100A	Appendix IV	Beryllium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
32_3_106	MW-100A	Appendix IV	Cadmium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
32_3_109	MW-100A	Appendix IV	Chromium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
32_3_110	MW-100A	Appendix IV	Cobalt	mg/l	12	9	75%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.266		Nonparametric
32_3_113	MW-100A	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.415		Nonparametric
32_3_115	MW-100A	Appendix IV	Lead	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
32_3_116	MW-100A	Appendix IV	Lithium	mg/l	12	0	0%	0.943	0.536	0.138	0.767	0.931	0.393	0.150	0.640	0.155	>= 0.10	0.376	>= 0.10	0.255	Gamma; Lognormal; Normal	Gamma
32_3_117	MW-100A	Appendix IV	Mercury	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
32_3_118	MW-100A	Appendix IV	Molybdenum	mg/l	12	0	0%	0.902	0.170	0.185	0.310	0.905	0.183	0.177	0.376	0.189	>= 0.10	0.525	>= 0.10	0.240	Gamma; Lognormal; Normal	Gamma
32_3_121	MW-100A	Appendix IV	Radium-226+228	pci/l	12	0	0%	0.904	0.177	0.156	0.579	0.957	0.736	0.105	0.971	0.123	>= 0.10	0.223	>= 0.10	0.607	Gamma; Lognormal; Normal	Gamma
32_3_122	MW-100A	Appendix IV	Selenium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
32_3_125	MW-100A	Appendix IV	Thallium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
32_5_111	MW-100A	Part 115	Copper	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
32_5_114	MW-100A	Part 115	Iron	mg/l	12	0	0%	0.963	0.832	0.151	0.631	0.841	0.028	0.244	0.046	0.215	>= 0.10	0.537	>= 0.10	0.495	Gamma; Normal	Gamma
32_5_119	MW-100A	Part 115	Nickel	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
32_5_123	MW-100A	Part 115	Silver	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
32_5_128	MW-100A	Part 115	Vanadium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
32_5_129	MW-100A	Part 115	Zinc	mg/l	12	8	67%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.692		Nonparametric
33_2_105	MW-100B	Appendix III	Boron	mg/l	12	0	0%	0.950	0.638	0.220	0.113	0.954	0.703	0.203	0.185	0.204	>= 0.10	0.348	>= 0.10	0.103	Gamma; Lognormal; Normal	Gamma
33_2_107	MW-100B	Appendix III	Calcium	mg/l	12	0	0%	0.961	0.804	0.164	0.501	0.962	0.814	0.166	0.481	0.156	>= 0.10	0.304	>= 0.10	0.058	Gamma; Lognormal; Normal	Gamma
33_2_108	MW-100B	Appendix III	Chloride	mg/l	12	0	0%	0.882	0.093	0.189	0.279	0.871	0.067	0.212	0.143	0.206	>= 0.10	0.706	0.05 <= p < 0.10	0.136	Gamma; Lognormal; Normal	Gamma
33_2_112	MW-100B	Appendix III	Fluoride	mg/l	12	7	58%	0.856	0.213	0.294	0.167	0.791	0.068	0.297	0.155	0.319	>= 0.10	0.574	>= 0.10	0.445	Gamma; Lognormal; Normal	Nonparametric
33_2_120	MW-100B	Appendix III	pH, Field	su	12	0	0%	0.920	0.287	0.158	0.560	0.922	0.305	0.156	0.585	0.160	>= 0.10	0.477	>= 0.10	0.015	Gamma; Lognormal; Normal	Gamma
33_2_124	MW-100B	Appendix III	Sulfate	mg/l	12	0	0%	0.917	0.265	0.158	0.556	0.933	0.415	0.152	0.620	0.158	>= 0.10	0.349	>= 0.10	0.076	Gamma; Lognormal; Normal	Gamma
33_2_126	MW-100B	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	0.940	0.498	0.146	0.687	0.933	0.412	0.158	0.564	0.153	>= 0.10	0.342	>= 0.10	0.065	Gamma; Lognormal; Normal	Gamma
33_3_101	MW-100B	Appendix IV	Antimony	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
33_3_102	MW-100B	Appendix IV	Arsenic	mg/l	12	0	0%	0.846	0.032	0.264	0.021	0.820	0.016	0.282	0.009	0.285	0.01 <= p < 0.05	0.929	0.01 <= p < 0.05	0.165	Nonparametric	Nonparametric
33_3_103	MW-100B	Appendix IV	Barium	mg/l	12	0	0%	0.972	0.934	0.167	0.472	0.974	0.946	0.155	0.589	0.159	>= 0.10	0.236	>= 0.10	0.063	Gamma; Lognormal; Normal	Gamma
33_3_104	MW-100B	Appendix IV	Beryllium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
33_3_106	MW-100B	Appendix IV	Cadmium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
33_3_109	MW-100B	Appendix IV	Chromium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
33_3_110	MW-100B	Appendix IV	Cobalt	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
33_3_113	MW-100B	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	0.856	0.213	0.294	0.167	0.791	0.068	0.297	0.155	0.319	>= 0.10	0.574	>= 0.10	0.445	Gamma; Lognormal; Normal	Nonparametric
33_3_115	MW-100B	Appendix IV	Lead	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
33_3_116	MW-100B	Appendix IV	Lithium	mg/l	12	0	0%	0.877	0.080	0.251	0.036	0.880	0.087	0.247	0.042	0.258	0.01 <= p < 0.05	0.749	0.01 <= p < 0.05	0.056	Lognormal; Normal	Lognormal
33_3_117	MW-100B	Appendix IV	Mercury	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
33_3_118	MW-100B	Appendix IV	Molybdenum	mg/l	12	0	0%	0.906	0.189	0.270	0.016	0.881	0.090	0.287	0.007	0.290	< 0.01	0.747	0.01 <= p < 0.05	0.259	Lognormal; Normal	Lognormal
33_3_121	MW-100B	Appendix IV	Radium-226+228	pci/l	12	1	8%	0.944	0.564	0.139	0.802	0.867	0.070	0.197	0.269	0.185	>= 0.10	0.505	>= 0.10	0.502	Gamma; Lognormal; Normal	Gamma
33_3_122	MW-100B	Appendix IV	Selenium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
33_3_125	MW-100B	Appendix IV	Thallium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
33_5_111	MW-100B	Part 115	Copper	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
33_5_114	MW-100B	Part 115	Iron	mg/l	12	0	0%	0.882	0.093	0.242	0.050	0.914	0.242	0.211	0.149	0.220	>= 0.10	0.647	0.05 <= p < 0.10	0.169	Gamma; Lognormal; Normal	Gamma
33_5_119	MW-100B	Part 115	Nickel	mg/l	12	10	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.158		Nonparametric
33_5_123	MW-100B	Part 115	Silver	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
33_5_128	MW-100B	Part 115	Vanadium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
33_5_129	MW-100B	Part 115	Zinc	mg/l	12	11	92%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 4: Autocorrelation Tests, Non-Detects Excluded

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
11_2_105	MW-2	Appendix III	Boron	mg/l	19	0	0%	0.716	0.001	***
11_2_107	MW-2	Appendix III	Calcium	mg/l	19	0	0%	0.849	0.000	***
11_2_108	MW-2	Appendix III	Chloride	mg/l	19	0	0%	0.579	0.006	**
11_2_112	MW-2	Appendix III	Fluoride	mg/l	20	17	85%	-0.007	0.985	
11_2_120	MW-2	Appendix III	pH, Field	su	22	0	0%	0.081	0.683	
11_2_124	MW-2	Appendix III	Sulfate	mg/l	19	0	0%	0.865	0.000	***
11_2_126	MW-2	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	0.882	0.000	***
11_3_102	MW-2	Appendix IV	Arsenic	mg/l	20	15	75%	-0.474	0.161	
11_3_103	MW-2	Appendix IV	Barium	mg/l	20	0	0%	0.136	0.513	
11_3_106	MW-2	Appendix IV	Cadmium	mg/l	20	17	85%	-0.666	0.068	
11_3_110	MW-2	Appendix IV	Cobalt	mg/l	20	17	85%	-0.667	0.068	
11_3_113	MW-2	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	-0.007	0.985	
11_3_116	MW-2	Appendix IV	Lithium	mg/l	20	0	0%	0.808	0.000	***
11_3_118	MW-2	Appendix IV	Molybdenum	mg/l	20	0	0%	0.459	0.027	*
11_3_121	MW-2	Appendix IV	Radium-226+228	pci/l	20	3	15%	-0.224	0.315	
11_5_114	MW-2	Part 115	Iron	mg/l	20	0	0%	0.402	0.053	
11_5_119	MW-2	Part 115	Nickel	mg/l	20	0	0%	0.796	0.000	***
11_5_129	MW-2	Part 115	Zinc	mg/l	20	14	70%	0.061	0.849	
12_2_105	MW-3	Appendix III	Boron	mg/l	11	0	0%	-0.318	0.229	
12_2_107	MW-3	Appendix III	Calcium	mg/l	11	0	0%	0.291	0.272	
12_2_108	MW-3	Appendix III	Chloride	mg/l	11	0	0%	0.465	0.079	
12_2_112	MW-3	Appendix III	Fluoride	mg/l	11	8	73%	0.000	1.000	
12_2_120	MW-3	Appendix III	pH, Field	su	13	0	0%	-0.121	0.624	
12_2_124	MW-3	Appendix III	Sulfate	mg/l	11	0	0%	0.075	0.776	
12_2_126	MW-3	Appendix III	Total Dissolved Solids	mg/l	11	0	0%	0.637	0.016	*
12_3_102	MW-3	Appendix IV	Arsenic	mg/l	11	0	0%	0.184	0.486	
12_3_103	MW-3	Appendix IV	Barium	mg/l	11	0	0%	0.583	0.027	*
12_3_110	MW-3	Appendix IV	Cobalt	mg/l	11	8	73%	-0.631	0.084	
12_3_113	MW-3	Appendix IV	Fluoride (App IV)	mg/l	11	8	73%	0.000	1.000	
12_3_115	MW-3	Appendix IV	Lead	mg/l	11	10	91%	NA	NA	
12_3_116	MW-3	Appendix IV	Lithium	mg/l	11	0	0%	0.281	0.289	
12_3_117	MW-3	Appendix IV	Mercury	mg/l	12	11	92%	NA	NA	
12_3_118	MW-3	Appendix IV	Molybdenum	mg/l	11	0	0%	0.341	0.197	
12_3_121	MW-3	Appendix IV	Radium-226+228	pci/l	11	3	27%	0.420	0.156	
12_5_111	MW-3	Part 115	Copper	mg/l	11	10	91%	NA	NA	
12_5_114	MW-3	Part 115	Iron	mg/l	11	0	0%	0.461	0.082	
12_5_119	MW-3	Part 115	Nickel	mg/l	11	8	73%	-0.357	0.329	
12_5_129	MW-3	Part 115	Zinc	mg/l	11	8	73%	-0.500	0.171	
13_2_105	MW-5	Appendix III	Boron	mg/l	19	0	0%	0.155	0.465	
13_2_107	MW-5	Appendix III	Calcium	mg/l	19	0	0%	0.557	0.009	**
13_2_108	MW-5	Appendix III	Chloride	mg/l	19	0	0%	0.766	0.000	***
13_2_112	MW-5	Appendix III	Fluoride	mg/l	20	17	85%	-0.628	0.085	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
13_2_120	MW-5	Appendix III	pH, Field	su	22	0	0%	-0.157	0.431	
13_2_124	MW-5	Appendix III	Sulfate	mg/l	19	0	0%	0.597	0.005	**
13_2_126	MW-5	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	0.641	0.003	**
13_3_102	MW-5	Appendix IV	Arsenic	mg/l	20	13	65%	-0.210	0.497	
13_3_103	MW-5	Appendix IV	Barium	mg/l	20	0	0%	0.218	0.295	
13_3_106	MW-5	Appendix IV	Cadmium	mg/l	20	19	95%	NA	NA	
13_3_109	MW-5	Appendix IV	Chromium	mg/l	20	17	85%	-0.020	0.957	
13_3_110	MW-5	Appendix IV	Cobalt	mg/l	20	16	80%	-0.041	0.908	
13_3_113	MW-5	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	-0.628	0.085	
13_3_115	MW-5	Appendix IV	Lead	mg/l	20	15	75%	-0.294	0.385	
13_3_116	MW-5	Appendix IV	Lithium	mg/l	20	0	0%	-0.060	0.774	
13_3_118	MW-5	Appendix IV	Molybdenum	mg/l	20	0	0%	0.306	0.141	
13_3_121	MW-5	Appendix IV	Radium-226+228	pci/l	20	3	15%	0.336	0.131	
13_3_122	MW-5	Appendix IV	Selenium	mg/l	20	19	95%	NA	NA	
13_5_111	MW-5	Part 115	Copper	mg/l	20	13	65%	-0.221	0.474	
13_5_114	MW-5	Part 115	Iron	mg/l	20	1	5%	0.067	0.752	
13_5_119	MW-5	Part 115	Nickel	mg/l	20	0	0%	0.596	0.004	**
13_5_123	MW-5	Part 115	Silver	mg/l	20	19	95%	NA	NA	
13_5_128	MW-5	Part 115	Vanadium	mg/l	20	15	75%	0.453	0.180	
13_5_129	MW-5	Part 115	Zinc	mg/l	20	3	15%	-0.083	0.709	
14_2_105	MW-6	Appendix III	Boron	mg/l	19	0	0%	0.459	0.031	*
14_2_107	MW-6	Appendix III	Calcium	mg/l	19	0	0%	0.511	0.016	*
14_2_108	MW-6	Appendix III	Chloride	mg/l	19	0	0%	0.471	0.026	*
14_2_112	MW-6	Appendix III	Fluoride	mg/l	20	17	85%	-0.628	0.085	
14_2_120	MW-6	Appendix III	pH, Field	su	22	0	0%	0.033	0.870	
14_2_124	MW-6	Appendix III	Sulfate	mg/l	19	0	0%	0.430	0.043	*
14_2_126	MW-6	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	0.449	0.035	*
14_3_102	MW-6	Appendix IV	Arsenic	mg/l	20	18	90%	-0.500	0.157	
14_3_103	MW-6	Appendix IV	Barium	mg/l	20	0	0%	0.456	0.028	*
14_3_106	MW-6	Appendix IV	Cadmium	mg/l	20	19	95%	NA	NA	
14_3_110	MW-6	Appendix IV	Cobalt	mg/l	20	17	85%	-0.549	0.132	
14_3_113	MW-6	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	-0.628	0.085	
14_3_116	MW-6	Appendix IV	Lithium	mg/l	20	0	0%	0.333	0.109	
14_3_118	MW-6	Appendix IV	Molybdenum	mg/l	20	0	0%	0.067	0.747	
14_3_121	MW-6	Appendix IV	Radium-226+228	pci/l	20	3	15%	0.123	0.579	
14_5_114	MW-6	Part 115	Iron	mg/l	20	9	45%	0.370	0.162	
14_5_119	MW-6	Part 115	Nickel	mg/l	20	5	25%	0.683	0.004	**
14_5_129	MW-6	Part 115	Zinc	mg/l	20	16	80%	-0.066	0.851	
15_2_105	MW-7	Appendix III	Boron	mg/l	16	0	0%	0.337	0.140	
15_2_107	MW-7	Appendix III	Calcium	mg/l	16	0	0%	-0.134	0.556	
15_2_108	MW-7	Appendix III	Chloride	mg/l	16	0	0%	0.258	0.258	
15_2_112	MW-7	Appendix III	Fluoride	mg/l	16	11	69%	0.173	0.610	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
15_2_120	MW-7	Appendix III	pH, Field	su	19	0	0%	0.039	0.854	
15_2_124	MW-7	Appendix III	Sulfate	mg/l	16	0	0%	-0.299	0.190	
15_2_126	MW-7	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	-0.138	0.544	
15_3_102	MW-7	Appendix IV	Arsenic	mg/l	16	0	0%	0.253	0.268	
15_3_103	MW-7	Appendix IV	Barium	mg/l	16	0	0%	-0.084	0.712	
15_3_106	MW-7	Appendix IV	Cadmium	mg/l	16	15	94%	NA	NA	
15_3_109	MW-7	Appendix IV	Chromium	mg/l	16	15	94%	NA	NA	
15_3_110	MW-7	Appendix IV	Cobalt	mg/l	16	13	81%	-0.167	0.648	
15_3_113	MW-7	Appendix IV	Fluoride (App IV)	mg/l	16	11	69%	0.173	0.610	
15_3_116	MW-7	Appendix IV	Lithium	mg/l	16	0	0%	0.659	0.004	**
15_3_117	MW-7	Appendix IV	Mercury	mg/l	16	15	94%	NA	NA	
15_3_118	MW-7	Appendix IV	Molybdenum	mg/l	16	0	0%	0.721	0.002	**
15_3_121	MW-7	Appendix IV	Radium-226+228	pci/l	16	0	0%	-0.157	0.490	
15_3_125	MW-7	Appendix IV	Thallium	mg/l	16	15	94%	NA	NA	
15_5_114	MW-7	Part 115	Iron	mg/l	16	0	0%	0.040	0.860	
15_5_128	MW-7	Part 115	Vanadium	mg/l	16	15	94%	NA	NA	
15_5_129	MW-7	Part 115	Zinc	mg/l	16	12	75%	-0.029	0.934	
16_2_105	MW-7C	Appendix III	Boron	mg/l	15	0	0%	-0.042	0.858	
16_2_107	MW-7C	Appendix III	Calcium	mg/l	15	0	0%	-0.022	0.924	
16_2_108	MW-7C	Appendix III	Chloride	mg/l	15	0	0%	-0.057	0.809	
16_2_112	MW-7C	Appendix III	Fluoride	mg/l	15	12	80%	-0.500	0.171	
16_2_120	MW-7C	Appendix III	pH, Field	su	17	0	0%	0.009	0.968	
16_2_124	MW-7C	Appendix III	Sulfate	mg/l	15	0	0%	0.599	0.011	*
16_2_126	MW-7C	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	0.704	0.003	**
16_3_102	MW-7C	Appendix IV	Arsenic	mg/l	15	0	0%	0.196	0.404	
16_3_103	MW-7C	Appendix IV	Barium	mg/l	15	0	0%	0.273	0.243	
16_3_106	MW-7C	Appendix IV	Cadmium	mg/l	15	11	73%	-0.225	0.525	
16_3_110	MW-7C	Appendix IV	Cobalt	mg/l	15	14	93%	NA	NA	
16_3_113	MW-7C	Appendix IV	Fluoride (App IV)	mg/l	15	12	80%	-0.500	0.171	
16_3_116	MW-7C	Appendix IV	Lithium	mg/l	15	0	0%	0.635	0.007	**
16_3_117	MW-7C	Appendix IV	Mercury	mg/l	16	15	94%	NA	NA	
16_3_118	MW-7C	Appendix IV	Molybdenum	mg/l	15	0	0%	0.310	0.186	
16_3_121	MW-7C	Appendix IV	Radium-226+228	pci/l	15	1	7%	-0.064	0.792	
16_5_114	MW-7C	Part 115	Iron	mg/l	15	0	0%	0.204	0.383	
16_5_119	MW-7C	Part 115	Nickel	mg/l	15	0	0%	0.142	0.546	
16_5_129	MW-7C	Part 115	Zinc	mg/l	15	12	80%	-0.306	0.402	
17_2_105	MW-8	Appendix III	Boron	mg/l	16	1	6%	-0.051	0.829	
17_2_107	MW-8	Appendix III	Calcium	mg/l	16	0	0%	-0.044	0.846	
17_2_108	MW-8	Appendix III	Chloride	mg/l	16	2	12%	-0.203	0.400	
17_2_112	MW-8	Appendix III	Fluoride	mg/l	16	12	75%	-0.172	0.626	
17_2_120	MW-8	Appendix III	pH, Field	su	16	0	0%	-0.214	0.348	
17_2_124	MW-8	Appendix III	Sulfate	mg/l	16	0	0%	0.068	0.766	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
17_2_126	MW-8	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.209	0.359	
17_3_102	MW-8	Appendix IV	Arsenic	mg/l	16	14	88%	-0.500	0.157	
17_3_103	MW-8	Appendix IV	Barium	mg/l	16	0	0%	0.204	0.371	
17_3_104	MW-8	Appendix IV	Beryllium	mg/l	16	15	94%	NA	NA	
17_3_106	MW-8	Appendix IV	Cadmium	mg/l	16	15	94%	NA	NA	
17_3_110	MW-8	Appendix IV	Cobalt	mg/l	16	15	94%	NA	NA	
17_3_113	MW-8	Appendix IV	Fluoride (App IV)	mg/l	16	12	75%	-0.172	0.626	
17_3_116	MW-8	Appendix IV	Lithium	mg/l	16	6	38%	0.008	0.977	
17_3_118	MW-8	Appendix IV	Molybdenum	mg/l	16	11	69%	0.082	0.809	
17_3_121	MW-8	Appendix IV	Radium-226+228	pci/l	16	0	0%	0.174	0.445	
17_3_125	MW-8	Appendix IV	Thallium	mg/l	16	15	94%	NA	NA	
17_5_111	MW-8	Part 115	Copper	mg/l	16	15	94%	NA	NA	
17_5_114	MW-8	Part 115	Iron	mg/l	16	13	81%	-0.651	0.075	
17_5_128	MW-8	Part 115	Vanadium	mg/l	16	15	94%	NA	NA	
17_5_129	MW-8	Part 115	Zinc	mg/l	16	14	88%	-0.500	0.157	
18_2_105	MW-9	Appendix III	Boron	mg/l	16	14	88%	-0.500	0.157	
18_2_107	MW-9	Appendix III	Calcium	mg/l	16	0	0%	0.616	0.007	**
18_2_108	MW-9	Appendix III	Chloride	mg/l	16	10	62%	0.124	0.700	
18_2_112	MW-9	Appendix III	Fluoride	mg/l	16	15	94%	NA	NA	
18_2_120	MW-9	Appendix III	pH, Field	su	16	0	0%	-0.295	0.196	
18_2_124	MW-9	Appendix III	Sulfate	mg/l	16	8	50%	0.422	0.153	
18_2_126	MW-9	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.628	0.006	**
18_3_102	MW-9	Appendix IV	Arsenic	mg/l	16	14	88%	-0.500	0.157	
18_3_103	MW-9	Appendix IV	Barium	mg/l	16	0	0%	0.675	0.003	**
18_3_104	MW-9	Appendix IV	Beryllium	mg/l	16	15	94%	NA	NA	
18_3_106	MW-9	Appendix IV	Cadmium	mg/l	16	15	94%	NA	NA	
18_3_110	MW-9	Appendix IV	Cobalt	mg/l	16	15	94%	NA	NA	
18_3_113	MW-9	Appendix IV	Fluoride (App IV)	mg/l	16	15	94%	NA	NA	
18_3_121	MW-9	Appendix IV	Radium-226+228	pci/l	16	0	0%	0.030	0.895	
18_5_129	MW-9	Part 115	Zinc	mg/l	16	14	88%	-0.500	0.157	
19_2_105	MW-10	Appendix III	Boron	mg/l	16	1	6%	-0.173	0.461	
19_2_107	MW-10	Appendix III	Calcium	mg/l	16	0	0%	0.131	0.566	
19_2_108	MW-10	Appendix III	Chloride	mg/l	16	9	56%	0.199	0.519	
19_2_112	MW-10	Appendix III	Fluoride	mg/l	16	12	75%	-0.743	0.036	*
19_2_120	MW-10	Appendix III	pH, Field	su	16	0	0%	-0.168	0.462	
19_2_124	MW-10	Appendix III	Sulfate	mg/l	16	0	0%	-0.086	0.707	
19_2_126	MW-10	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.338	0.138	
19_3_102	MW-10	Appendix IV	Arsenic	mg/l	16	14	88%	-0.500	0.157	
19_3_103	MW-10	Appendix IV	Barium	mg/l	16	0	0%	0.582	0.011	*
19_3_106	MW-10	Appendix IV	Cadmium	mg/l	16	14	88%	-0.500	0.157	
19_3_110	MW-10	Appendix IV	Cobalt	mg/l	16	14	88%	-0.500	0.157	
19_3_113	MW-10	Appendix IV	Fluoride (App IV)	mg/l	16	12	75%	-0.743	0.036	*

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
19_3_117	MW-10	Appendix IV	Mercury	mg/l	16	15	94%	NA	NA	
19_3_121	MW-10	Appendix IV	Radium-226+228	pci/l	16	0	0%	0.522	0.022	*
19_3_122	MW-10	Appendix IV	Selenium	mg/l	16	13	81%	-0.321	0.380	
19_3_125	MW-10	Appendix IV	Thallium	mg/l	16	15	94%	NA	NA	
19_5_114	MW-10	Part 115	Iron	mg/l	16	15	94%	NA	NA	
19_5_128	MW-10	Part 115	Vanadium	mg/l	16	15	94%	NA	NA	
19_5_129	MW-10	Part 115	Zinc	mg/l	16	13	81%	-0.008	0.982	
20_2_105	MW-13	Appendix III	Boron	mg/l	15	0	0%	0.288	0.219	
20_2_107	MW-13	Appendix III	Calcium	mg/l	15	0	0%	0.678	0.004	**
20_2_108	MW-13	Appendix III	Chloride	mg/l	15	2	13%	0.636	0.010	*
20_2_112	MW-13	Appendix III	Fluoride	mg/l	15	12	80%	-0.628	0.085	
20_2_120	MW-13	Appendix III	pH, Field	su	15	0	0%	0.170	0.467	
20_2_124	MW-13	Appendix III	Sulfate	mg/l	15	0	0%	0.597	0.011	*
20_2_126	MW-13	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	0.701	0.003	**
20_3_102	MW-13	Appendix IV	Arsenic	mg/l	15	9	60%	0.135	0.675	
20_3_103	MW-13	Appendix IV	Barium	mg/l	15	0	0%	0.461	0.049	*
20_3_110	MW-13	Appendix IV	Cobalt	mg/l	15	12	80%	-0.102	0.780	
20_3_113	MW-13	Appendix IV	Fluoride (App IV)	mg/l	15	12	80%	-0.628	0.085	
20_3_121	MW-13	Appendix IV	Radium-226+228	pci/l	15	1	7%	-0.036	0.881	
20_3_122	MW-13	Appendix IV	Selenium	mg/l	15	13	87%	-0.500	0.157	
20_5_114	MW-13	Part 115	Iron	mg/l	15	1	7%	0.280	0.246	
20_5_128	MW-13	Part 115	Vanadium	mg/l	15	13	87%	-0.500	0.157	
20_5_129	MW-13	Part 115	Zinc	mg/l	15	12	80%	-0.052	0.886	
21_2_105	MW-14	Appendix III	Boron	mg/l	13	0	0%	0.389	0.117	
21_2_107	MW-14	Appendix III	Calcium	mg/l	13	0	0%	0.670	0.007	**
21_2_108	MW-14	Appendix III	Chloride	mg/l	13	0	0%	-0.019	0.939	
21_2_112	MW-14	Appendix III	Fluoride	mg/l	13	10	77%	-0.545	0.136	
21_2_120	MW-14	Appendix III	pH, Field	su	15	0	0%	0.210	0.369	
21_2_124	MW-14	Appendix III	Sulfate	mg/l	13	0	0%	-0.072	0.770	
21_2_126	MW-14	Appendix III	Total Dissolved Solids	mg/l	13	1	8%	0.266	0.298	
21_3_102	MW-14	Appendix IV	Arsenic	mg/l	13	0	0%	0.323	0.193	
21_3_103	MW-14	Appendix IV	Barium	mg/l	13	0	0%	-0.227	0.359	
21_3_110	MW-14	Appendix IV	Cobalt	mg/l	13	10	77%	-0.321	0.380	
21_3_113	MW-14	Appendix IV	Fluoride (App IV)	mg/l	13	10	77%	-0.545	0.136	
21_3_116	MW-14	Appendix IV	Lithium	mg/l	13	0	0%	0.655	0.008	**
21_3_118	MW-14	Appendix IV	Molybdenum	mg/l	13	0	0%	0.333	0.179	
21_3_121	MW-14	Appendix IV	Radium-226+228	pci/l	13	2	15%	-0.112	0.671	
21_3_122	MW-14	Appendix IV	Selenium	mg/l	13	11	85%	-0.500	0.157	
21_5_114	MW-14	Part 115	Iron	mg/l	13	0	0%	0.619	0.013	*
21_5_119	MW-14	Part 115	Nickel	mg/l	13	6	46%	0.346	0.262	
21_5_128	MW-14	Part 115	Vanadium	mg/l	13	10	77%	-0.321	0.380	
21_5_129	MW-14	Part 115	Zinc	mg/l	13	10	77%	-0.047	0.898	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
22_2_105	MW-15	Appendix III	Boron	mg/l	13	0	0%	-0.110	0.657	
22_2_107	MW-15	Appendix III	Calcium	mg/l	13	0	0%	0.267	0.281	
22_2_108	MW-15	Appendix III	Chloride	mg/l	13	0	0%	0.486	0.050	*
22_2_112	MW-15	Appendix III	Fluoride	mg/l	13	10	77%	-0.263	0.471	
22_2_120	MW-15	Appendix III	pH, Field	su	13	0	0%	0.474	0.056	
22_2_124	MW-15	Appendix III	Sulfate	mg/l	13	0	0%	0.194	0.434	
22_2_126	MW-15	Appendix III	Total Dissolved Solids	mg/l	13	0	0%	-0.090	0.717	
22_3_102	MW-15	Appendix IV	Arsenic	mg/l	13	10	77%	-0.177	0.629	
22_3_103	MW-15	Appendix IV	Barium	mg/l	13	0	0%	0.260	0.294	
22_3_106	MW-15	Appendix IV	Cadmium	mg/l	13	12	92%	NA	NA	
22_3_110	MW-15	Appendix IV	Cobalt	mg/l	13	11	85%	-0.500	0.157	
22_3_113	MW-15	Appendix IV	Fluoride (App IV)	mg/l	13	10	77%	-0.263	0.471	
22_3_116	MW-15	Appendix IV	Lithium	mg/l	13	12	92%	NA	NA	
22_3_121	MW-15	Appendix IV	Radium-226+228	pci/l	13	1	8%	-0.333	0.193	
22_3_122	MW-15	Appendix IV	Selenium	mg/l	13	5	38%	0.256	0.387	
22_5_114	MW-15	Part 115	Iron	mg/l	13	1	8%	-0.061	0.812	
22_5_119	MW-15	Part 115	Nickel	mg/l	13	12	92%	NA	NA	
22_5_129	MW-15	Part 115	Zinc	mg/l	13	11	85%	-0.500	0.157	
23_2_105	MW-16A	Appendix III	Boron	mg/l	14	0	0%	0.315	0.191	
23_2_107	MW-16A	Appendix III	Calcium	mg/l	14	0	0%	0.652	0.007	**
23_2_108	MW-16A	Appendix III	Chloride	mg/l	14	0	0%	0.493	0.041	*
23_2_112	MW-16A	Appendix III	Fluoride	mg/l	14	11	79%	-0.561	0.124	
23_2_120	MW-16A	Appendix III	pH, Field	su	14	0	0%	0.153	0.525	
23_2_124	MW-16A	Appendix III	Sulfate	mg/l	14	0	0%	0.713	0.003	**
23_2_126	MW-16A	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	0.667	0.006	**
23_3_101	MW-16A	Appendix IV	Antimony	mg/l	14	12	86%	-0.500	0.157	
23_3_102	MW-16A	Appendix IV	Arsenic	mg/l	14	0	0%	0.103	0.668	
23_3_103	MW-16A	Appendix IV	Barium	mg/l	14	0	0%	0.439	0.069	
23_3_104	MW-16A	Appendix IV	Beryllium	mg/l	14	13	93%	NA	NA	
23_3_106	MW-16A	Appendix IV	Cadmium	mg/l	14	12	86%	-0.500	0.157	
23_3_110	MW-16A	Appendix IV	Cobalt	mg/l	14	11	79%	-0.088	0.809	
23_3_113	MW-16A	Appendix IV	Fluoride (App IV)	mg/l	14	11	79%	-0.561	0.124	
23_3_116	MW-16A	Appendix IV	Lithium	mg/l	14	11	79%	-0.332	0.363	
23_3_118	MW-16A	Appendix IV	Molybdenum	mg/l	14	11	79%	-0.643	0.078	
23_3_121	MW-16A	Appendix IV	Radium-226+228	pci/l	14	1	7%	-0.200	0.420	
23_3_122	MW-16A	Appendix IV	Selenium	mg/l	14	13	93%	NA	NA	
23_3_125	MW-16A	Appendix IV	Thallium	mg/l	14	13	93%	NA	NA	
23_5_114	MW-16A	Part 115	Iron	mg/l	14	0	0%	0.237	0.325	
23_5_119	MW-16A	Part 115	Nickel	mg/l	14	12	86%	-0.500	0.157	
24_2_105	MW-16B	Appendix III	Boron	mg/l	14	0	0%	0.186	0.441	
24_2_107	MW-16B	Appendix III	Calcium	mg/l	14	0	0%	0.276	0.252	
24_2_108	MW-16B	Appendix III	Chloride	mg/l	14	5	36%	0.022	0.938	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
24_2_112	MW-16B	Appendix III	Fluoride	mg/l	14	8	57%	0.341	0.291	
24_2_120	MW-16B	Appendix III	pH, Field	su	14	0	0%	0.214	0.374	
24_2_124	MW-16B	Appendix III	Sulfate	mg/l	14	0	0%	0.740	0.002	**
24_2_126	MW-16B	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	0.319	0.186	
24_3_103	MW-16B	Appendix IV	Barium	mg/l	14	0	0%	0.186	0.440	
24_3_113	MW-16B	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	0.341	0.291	
24_3_116	MW-16B	Appendix IV	Lithium	mg/l	14	0	0%	0.118	0.624	
24_3_118	MW-16B	Appendix IV	Molybdenum	mg/l	14	0	0%	-0.033	0.891	
24_3_121	MW-16B	Appendix IV	Radium-226+228	pci/l	14	1	7%	-0.140	0.574	
24_3_122	MW-16B	Appendix IV	Selenium	mg/l	14	13	93%	NA	NA	
24_5_114	MW-16B	Part 115	Iron	mg/l	14	0	0%	0.384	0.111	
24_5_129	MW-16B	Part 115	Zinc	mg/l	14	13	93%	NA	NA	
25_2_105	MW-17A	Appendix III	Boron	mg/l	9	0	0%	0.341	0.230	
25_2_107	MW-17A	Appendix III	Calcium	mg/l	9	0	0%	-0.630	0.027	*
25_2_108	MW-17A	Appendix III	Chloride	mg/l	9	0	0%	0.066	0.816	
25_2_112	MW-17A	Appendix III	Fluoride	mg/l	9	3	33%	-0.042	0.895	
25_2_120	MW-17A	Appendix III	pH, Field	su	11	0	0%	-0.021	0.938	
25_2_124	MW-17A	Appendix III	Sulfate	mg/l	9	0	0%	0.150	0.597	
25_2_126	MW-17A	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.153	0.589	
25_3_102	MW-17A	Appendix IV	Arsenic	mg/l	9	1	11%	-0.042	0.888	
25_3_103	MW-17A	Appendix IV	Barium	mg/l	9	0	0%	0.463	0.103	
25_3_106	MW-17A	Appendix IV	Cadmium	mg/l	9	8	89%	NA	NA	
25_3_110	MW-17A	Appendix IV	Cobalt	mg/l	9	7	78%	-0.500	0.157	
25_3_113	MW-17A	Appendix IV	Fluoride (App IV)	mg/l	9	3	33%	-0.042	0.895	
25_3_116	MW-17A	Appendix IV	Lithium	mg/l	9	0	0%	0.515	0.070	
25_3_118	MW-17A	Appendix IV	Molybdenum	mg/l	9	0	0%	0.078	0.783	
25_3_121	MW-17A	Appendix IV	Radium-226+228	pci/l	9	2	22%	-0.274	0.375	
25_3_122	MW-17A	Appendix IV	Selenium	mg/l	9	8	89%	NA	NA	
25_3_125	MW-17A	Appendix IV	Thallium	mg/l	9	8	89%	NA	NA	
25_5_114	MW-17A	Part 115	Iron	mg/l	9	0	0%	-0.088	0.756	
25_5_119	MW-17A	Part 115	Nickel	mg/l	9	1	11%	-0.153	0.606	
25_5_129	MW-17A	Part 115	Zinc	mg/l	9	4	44%	-0.064	0.850	
26_2_105	MW-17B	Appendix III	Boron	mg/l	9	0	0%	-0.058	0.839	
26_2_107	MW-17B	Appendix III	Calcium	mg/l	9	0	0%	0.043	0.879	
26_2_108	MW-17B	Appendix III	Chloride	mg/l	9	0	0%	0.043	0.880	
26_2_112	MW-17B	Appendix III	Fluoride	mg/l	9	2	22%	0.050	0.872	
26_2_120	MW-17B	Appendix III	pH, Field	su	11	0	0%	0.073	0.783	
26_2_124	MW-17B	Appendix III	Sulfate	mg/l	9	0	0%	-0.188	0.508	
26_2_126	MW-17B	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.101	0.723	
26_3_102	MW-17B	Appendix IV	Arsenic	mg/l	9	1	11%	0.083	0.778	
26_3_103	MW-17B	Appendix IV	Barium	mg/l	9	0	0%	0.243	0.392	
26_3_106	MW-17B	Appendix IV	Cadmium	mg/l	9	8	89%	NA	NA	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
26_3_110	MW-17B	Appendix IV	Cobalt	mg/l	9	5	56%	-0.146	0.679	
26_3_113	MW-17B	Appendix IV	Fluoride (App IV)	mg/l	9	2	22%	0.050	0.872	
26_3_116	MW-17B	Appendix IV	Lithium	mg/l	9	0	0%	-0.597	0.036	*
26_3_118	MW-17B	Appendix IV	Molybdenum	mg/l	9	0	0%	-0.437	0.124	
26_3_121	MW-17B	Appendix IV	Radium-226+228	pci/l	9	2	22%	0.585	0.058	
26_5_114	MW-17B	Part 115	Iron	mg/l	9	0	0%	0.097	0.734	
26_5_119	MW-17B	Part 115	Nickel	mg/l	9	3	33%	0.576	0.074	
26_5_129	MW-17B	Part 115	Zinc	mg/l	9	3	33%	-0.078	0.810	
27_2_105	MW-17C	Appendix III	Boron	mg/l	9	0	0%	0.525	0.065	
27_2_107	MW-17C	Appendix III	Calcium	mg/l	9	0	0%	0.263	0.355	
27_2_108	MW-17C	Appendix III	Chloride	mg/l	9	0	0%	0.330	0.246	
27_2_112	MW-17C	Appendix III	Fluoride	mg/l	9	2	22%	-0.208	0.499	
27_2_120	MW-17C	Appendix III	pH, Field	su	11	0	0%	0.387	0.143	
27_2_124	MW-17C	Appendix III	Sulfate	mg/l	9	0	0%	0.523	0.066	
27_2_126	MW-17C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.282	0.321	
27_3_101	MW-17C	Appendix IV	Antimony	mg/l	9	8	89%	NA	NA	
27_3_102	MW-17C	Appendix IV	Arsenic	mg/l	9	0	0%	-0.100	0.725	
27_3_103	MW-17C	Appendix IV	Barium	mg/l	9	0	0%	0.090	0.752	
27_3_110	MW-17C	Appendix IV	Cobalt	mg/l	9	4	44%	-0.139	0.680	
27_3_113	MW-17C	Appendix IV	Fluoride (App IV)	mg/l	9	2	22%	-0.208	0.499	
27_3_115	MW-17C	Appendix IV	Lead	mg/l	9	6	67%	-0.653	0.074	
27_3_116	MW-17C	Appendix IV	Lithium	mg/l	9	0	0%	0.424	0.136	
27_3_118	MW-17C	Appendix IV	Molybdenum	mg/l	9	0	0%	0.596	0.036	*
27_3_121	MW-17C	Appendix IV	Radium-226+228	pci/l	9	0	0%	0.244	0.391	
27_5_114	MW-17C	Part 115	Iron	mg/l	9	0	0%	0.023	0.935	
27_5_119	MW-17C	Part 115	Nickel	mg/l	9	1	11%	0.070	0.812	
27_5_129	MW-17C	Part 115	Zinc	mg/l	9	4	44%	-0.057	0.865	
28_2_105	MW-18A	Appendix III	Boron	mg/l	10	0	0%	-0.059	0.828	
28_2_107	MW-18A	Appendix III	Calcium	mg/l	10	0	0%	-0.071	0.795	
28_2_108	MW-18A	Appendix III	Chloride	mg/l	10	0	0%	-0.006	0.983	
28_2_112	MW-18A	Appendix III	Fluoride	mg/l	10	0	0%	-0.423	0.122	
28_2_120	MW-18A	Appendix III	pH, Field	su	12	0	0%	0.011	0.965	
28_2_124	MW-18A	Appendix III	Sulfate	mg/l	10	0	0%	-0.016	0.954	
28_2_126	MW-18A	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	-0.122	0.657	
28_3_102	MW-18A	Appendix IV	Arsenic	mg/l	10	4	40%	0.165	0.609	
28_3_103	MW-18A	Appendix IV	Barium	mg/l	10	0	0%	-0.111	0.685	
28_3_113	MW-18A	Appendix IV	Fluoride (App IV)	mg/l	10	0	0%	-0.423	0.122	
28_3_115	MW-18A	Appendix IV	Lead	mg/l	10	8	80%	-0.500	0.157	
28_3_116	MW-18A	Appendix IV	Lithium	mg/l	10	0	0%	0.100	0.716	
28_3_118	MW-18A	Appendix IV	Molybdenum	mg/l	10	1	10%	0.391	0.169	
28_3_121	MW-18A	Appendix IV	Radium-226+228	pci/l	10	2	20%	-0.247	0.404	
28_3_122	MW-18A	Appendix IV	Selenium	mg/l	10	9	90%	NA	NA	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
28_5_111	MW-18A	Part 115	Copper	mg/l	10	9	90%	NA	NA	
28_5_114	MW-18A	Part 115	Iron	mg/l	10	0	0%	0.129	0.637	
28_5_129	MW-18A	Part 115	Zinc	mg/l	10	7	70%	-0.286	0.434	
29_2_105	MW-18B	Appendix III	Boron	mg/l	10	0	0%	-0.189	0.490	
29_2_107	MW-18B	Appendix III	Calcium	mg/l	10	0	0%	0.186	0.497	
29_2_108	MW-18B	Appendix III	Chloride	mg/l	10	0	0%	0.055	0.842	
29_2_112	MW-18B	Appendix III	Fluoride	mg/l	10	1	10%	-0.075	0.792	
29_2_120	MW-18B	Appendix III	pH, Field	su	12	0	0%	-0.128	0.616	
29_2_124	MW-18B	Appendix III	Sulfate	mg/l	10	0	0%	0.230	0.400	
29_2_126	MW-18B	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	0.018	0.949	
29_3_102	MW-18B	Appendix IV	Arsenic	mg/l	10	8	80%	-0.500	0.157	
29_3_103	MW-18B	Appendix IV	Barium	mg/l	10	0	0%	0.159	0.561	
29_3_113	MW-18B	Appendix IV	Fluoride (App IV)	mg/l	10	1	10%	-0.075	0.792	
29_3_116	MW-18B	Appendix IV	Lithium	mg/l	10	0	0%	-0.364	0.184	
29_3_117	MW-18B	Appendix IV	Mercury	mg/l	11	10	91%	NA	NA	
29_3_118	MW-18B	Appendix IV	Molybdenum	mg/l	10	0	0%	-0.396	0.148	
29_3_121	MW-18B	Appendix IV	Radium-226+228	pci/l	10	0	0%	0.351	0.200	
29_5_114	MW-18B	Part 115	Iron	mg/l	10	0	0%	-0.176	0.521	
29_5_119	MW-18B	Part 115	Nickel	mg/l	10	1	10%	0.457	0.108	
29_5_129	MW-18B	Part 115	Zinc	mg/l	10	7	70%	-0.021	0.955	
30_2_105	MW-19A	Appendix III	Boron	mg/l	9	0	0%	-0.020	0.943	
30_2_107	MW-19A	Appendix III	Calcium	mg/l	9	0	0%	-0.043	0.881	
30_2_108	MW-19A	Appendix III	Chloride	mg/l	9	0	0%	0.216	0.447	
30_2_112	MW-19A	Appendix III	Fluoride	mg/l	9	0	0%	0.047	0.869	
30_2_120	MW-19A	Appendix III	pH, Field	su	9	0	0%	-0.268	0.346	
30_2_124	MW-19A	Appendix III	Sulfate	mg/l	9	0	0%	0.275	0.333	
30_2_126	MW-19A	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.058	0.839	
30_3_101	MW-19A	Appendix IV	Antimony	mg/l	9	8	89%	NA	NA	
30_3_102	MW-19A	Appendix IV	Arsenic	mg/l	9	0	0%	0.195	0.492	
30_3_103	MW-19A	Appendix IV	Barium	mg/l	9	0	0%	0.240	0.398	
30_3_106	MW-19A	Appendix IV	Cadmium	mg/l	9	5	56%	-0.079	0.822	
30_3_110	MW-19A	Appendix IV	Cobalt	mg/l	9	4	44%	-0.079	0.815	
30_3_113	MW-19A	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.047	0.869	
30_3_116	MW-19A	Appendix IV	Lithium	mg/l	9	0	0%	-0.366	0.198	
30_3_118	MW-19A	Appendix IV	Molybdenum	mg/l	9	0	0%	-0.058	0.837	
30_3_121	MW-19A	Appendix IV	Radium-226+228	pci/l	9	4	44%	0.214	0.526	
30_3_122	MW-19A	Appendix IV	Selenium	mg/l	9	8	89%	NA	NA	
30_3_125	MW-19A	Appendix IV	Thallium	mg/l	9	7	78%	-0.500	0.157	
30_5_114	MW-19A	Part 115	Iron	mg/l	9	0	0%	-0.148	0.604	
30_5_119	MW-19A	Part 115	Nickel	mg/l	9	0	0%	0.380	0.182	
30_5_129	MW-19A	Part 115	Zinc	mg/l	9	8	89%	NA	NA	
31_2_105	MW-19B	Appendix III	Boron	mg/l	9	0	0%	0.582	0.041	*

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
31_2_107	MW-19B	Appendix III	Calcium	mg/l	9	0	0%	-0.407	0.152	
31_2_108	MW-19B	Appendix III	Chloride	mg/l	9	0	0%	0.601	0.035	*
31_2_112	MW-19B	Appendix III	Fluoride	mg/l	9	0	0%	-0.153	0.590	
31_2_120	MW-19B	Appendix III	pH, Field	su	9	0	0%	-0.402	0.158	
31_2_124	MW-19B	Appendix III	Sulfate	mg/l	9	0	0%	0.411	0.148	
31_2_126	MW-19B	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	-0.073	0.797	
31_3_102	MW-19B	Appendix IV	Arsenic	mg/l	9	0	0%	0.293	0.303	
31_3_103	MW-19B	Appendix IV	Barium	mg/l	9	0	0%	0.161	0.571	
31_3_106	MW-19B	Appendix IV	Cadmium	mg/l	9	5	56%	0.250	0.480	
31_3_110	MW-19B	Appendix IV	Cobalt	mg/l	9	5	56%	-0.069	0.845	
31_3_113	MW-19B	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	-0.153	0.590	
31_3_116	MW-19B	Appendix IV	Lithium	mg/l	9	0	0%	0.056	0.845	
31_3_118	MW-19B	Appendix IV	Molybdenum	mg/l	9	0	0%	0.007	0.979	
31_3_121	MW-19B	Appendix IV	Radium-226+228	pci/l	9	2	22%	-0.052	0.865	
31_3_125	MW-19B	Appendix IV	Thallium	mg/l	9	7	78%	-0.500	0.157	
31_5_114	MW-19B	Part 115	Iron	mg/l	9	0	0%	-0.214	0.451	
31_5_119	MW-19B	Part 115	Nickel	mg/l	9	0	0%	0.075	0.791	
32_2_105	MW-100A	Appendix III	Boron	mg/l	12	2	17%	-0.192	0.483	
32_2_107	MW-100A	Appendix III	Calcium	mg/l	12	0	0%	0.396	0.121	
32_2_108	MW-100A	Appendix III	Chloride	mg/l	12	0	0%	0.416	0.104	
32_2_112	MW-100A	Appendix III	Fluoride	mg/l	12	7	58%	0.319	0.346	
32_2_120	MW-100A	Appendix III	pH, Field	su	12	0	0%	-0.258	0.314	
32_2_124	MW-100A	Appendix III	Sulfate	mg/l	12	0	0%	0.665	0.009	**
32_2_126	MW-100A	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	0.656	0.010	*
32_3_102	MW-100A	Appendix IV	Arsenic	mg/l	12	0	0%	0.423	0.098	
32_3_103	MW-100A	Appendix IV	Barium	mg/l	12	0	0%	0.469	0.067	
32_3_110	MW-100A	Appendix IV	Cobalt	mg/l	12	9	75%	-0.092	0.801	
32_3_113	MW-100A	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	0.319	0.346	
32_3_116	MW-100A	Appendix IV	Lithium	mg/l	12	0	0%	0.782	0.002	**
32_3_118	MW-100A	Appendix IV	Molybdenum	mg/l	12	0	0%	0.787	0.002	**
32_3_121	MW-100A	Appendix IV	Radium-226+228	pci/l	12	0	0%	-0.220	0.391	
32_5_114	MW-100A	Part 115	Iron	mg/l	12	0	0%	0.383	0.135	
32_5_129	MW-100A	Part 115	Zinc	mg/l	12	8	67%	-0.128	0.717	
33_2_105	MW-100B	Appendix III	Boron	mg/l	12	0	0%	0.013	0.961	
33_2_107	MW-100B	Appendix III	Calcium	mg/l	12	0	0%	0.131	0.608	
33_2_108	MW-100B	Appendix III	Chloride	mg/l	12	0	0%	0.749	0.003	**
33_2_112	MW-100B	Appendix III	Fluoride	mg/l	12	7	58%	0.246	0.468	
33_2_120	MW-100B	Appendix III	pH, Field	su	12	0	0%	-0.006	0.983	
33_2_124	MW-100B	Appendix III	Sulfate	mg/l	12	0	0%	0.415	0.105	
33_2_126	MW-100B	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	0.469	0.067	
33_3_102	MW-100B	Appendix IV	Arsenic	mg/l	12	0	0%	0.415	0.105	
33_3_103	MW-100B	Appendix IV	Barium	mg/l	12	0	0%	0.526	0.040	*

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
33_3_113	MW-100B	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	0.246	0.468	
33_3_116	MW-100B	Appendix IV	Lithium	mg/l	12	0	0%	0.115	0.654	
33_3_118	MW-100B	Appendix IV	Molybdenum	mg/l	12	0	0%	0.635	0.013	*
33_3_121	MW-100B	Appendix IV	Radium-226+228	pci/l	12	1	8%	-0.274	0.301	
33_5_114	MW-100B	Part 115	Iron	mg/l	12	0	0%	-0.199	0.436	
33_5_119	MW-100B	Part 115	Nickel	mg/l	12	10	83%	-0.500	0.157	
33_5_129	MW-100B	Part 115	Zinc	mg/l	12	11	92%	NA	NA	

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 5: Outlier Counts by Date

Date	Count
2020-04-28	2
2020-05-26	3
2021-01-27	1
2021-05-04	1
2021-06-15	2
2021-09-28	1
2022-02-01	1
2022-02-17	1
2022-03-10	1
2023-01-12	2
2023-02-02	1
2023-03-24	1
2023-07-05	1
2023-10-17	1
2024-01-29	1
2024-01-30	3
2024-08-05	2
2024-08-07	1
2024-10-08	1
2024-11-13	12
2024-12-18	5
2025-02-05	1
2025-02-27	1
2025-05-12	1
2025-07-22	2
2025-08-05	1
2025-08-06	1
2025-08-07	1
2025-08-08	1
2026-02-09	1
2026-02-10	2
2026-02-11	1

Table 6: Outliers Identified at the 1% Significance Level, Non-Detects Excluded

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	No. Detects	Date	Dilution	Value
11_3_110	MW-2	Appendix IV	Cobalt	mg/l	20	17	85%	3	2025-08-06	1	0.00390
11_5_114	MW-2	Part 115	Iron	mg/l	20	0	0%	20	2022-02-01	1	1.93
11_5_129	MW-2	Part 115	Zinc	mg/l	20	14	70%	6	2020-05-26	1	0.0410
12_3_102	MW-3	Appendix IV	Arsenic	mg/l	11	0	0%	11	2024-01-29	1	0.00600
13_2_120	MW-5	Appendix III	pH, Field	su	22	0	0%	22	2021-05-04	1	6.40

(Table continues on next page)

Table 6: Outliers Identified at the 1% Significance Level, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	No. Detects	Date	Dilution	Value
13_3_110	MW-5	Appendix IV	Cobalt	mg/l	20	16	80%	4	2020-04-28	1	0.00600
13_5_114	MW-5	Part 115	Iron	mg/l	20	1	5%	19	2020-04-28	1	8.00
13_5_129	MW-5	Part 115	Zinc	mg/l	20	3	15%	17	2021-01-27	1	0.0980
14_3_121	MW-6	Appendix IV	Radium-226+228	pci/l	20	3	15%	17	2024-08-05	1	4.29
14_5_114	MW-6	Part 115	Iron	mg/l	20	9	45%	11	2020-05-26	1	0.200
14_5_129	MW-6	Part 115	Zinc	mg/l	20	16	80%	4	2020-05-26	1	0.0340
15_2_107	MW-7	Appendix III	Calcium	mg/l	16	0	0%	16	2024-01-30	1	165
15_2_120	MW-7	Appendix III	pH, Field	su	19	0	0%	19	2021-06-15	1	8.18
15_2_126	MW-7	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	16	2024-01-30	1	864
15_3_110	MW-7	Appendix IV	Cobalt	mg/l	16	13	81%	3	2025-02-05	1	0.000260
15_5_114	MW-7	Part 115	Iron	mg/l	16	0	0%	16	2022-02-17	1	2.81
16_3_102	MW-7C	Appendix IV	Arsenic	mg/l	15	0	0%	15	2024-01-30	1	0.0100
16_5_114	MW-7C	Part 115	Iron	mg/l	15	0	0%	15	2025-08-07	1	2.80
16_5_119	MW-7C	Part 115	Nickel	mg/l	15	0	0%	15	2022-03-10	1	0.0100
17_2_105	MW-8	Appendix III	Boron	mg/l	16	1	6%	15	2021-09-28	1	0.210
17_2_120	MW-8	Appendix III	pH, Field	su	16	0	0%	16	2021-06-15	1	7.78
20_3_103	MW-13	Appendix IV	Barium	mg/l	15	0	0%	15	2025-08-08	1	0.0600
21_2_124	MW-14	Appendix III	Sulfate	mg/l	13	0	0%	13	2023-03-24	1	748
21_3_103	MW-14	Appendix IV	Barium	mg/l	13	0	0%	13	2023-01-12	1	0.177
21_3_121	MW-14	Appendix IV	Radium-226+228	pci/l	13	2	15%	11	2024-08-05	1	6.88
22_2_124	MW-15	Appendix III	Sulfate	mg/l	13	0	0%	13	2023-01-12	1	238
22_5_114	MW-15	Part 115	Iron	mg/l	13	1	8%	12	2024-08-07	1	0.380
23_3_121	MW-16A	Appendix IV	Radium-226+228	pci/l	14	1	7%	13	2023-07-05	1	7.46
24_2_105	MW-16B	Appendix III	Boron	mg/l	14	0	0%	14	2026-02-09	1	0.0830
24_3_118	MW-16B	Appendix IV	Molybdenum	mg/l	14	0	0%	14	2023-02-02	1	0.00800
24_3_121	MW-16B	Appendix IV	Radium-226+228	pci/l	14	1	7%	13	2023-10-17	1	6.43
25_3_121	MW-17A	Appendix IV	Radium-226+228	pci/l	9	2	22%	7	2024-12-18	1	5.52
25_5_114	MW-17A	Part 115	Iron	mg/l	9	0	0%	9	2025-08-05	1	9.30
25_5_129	MW-17A	Part 115	Zinc	mg/l	9	4	44%	5	2026-02-10	1	0.470
26_2_105	MW-17B	Appendix III	Boron	mg/l	9	0	0%	9	2024-11-13	1	4.10
26_2_107	MW-17B	Appendix III	Calcium	mg/l	9	0	0%	9	2024-11-13	1	243
26_2_112	MW-17B	Appendix III	Fluoride	mg/l	9	2	22%	7	2024-12-18	1	0.130
26_2_124	MW-17B	Appendix III	Sulfate	mg/l	9	0	0%	9	2024-11-13	1	643
26_2_126	MW-17B	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	9	2024-11-13	1	1400
26_3_113	MW-17B	Appendix IV	Fluoride (App IV)	mg/l	9	2	22%	7	2024-12-18	1	0.130
26_3_116	MW-17B	Appendix IV	Lithium	mg/l	9	0	0%	9	2024-11-13	1	0.0590
26_3_118	MW-17B	Appendix IV	Molybdenum	mg/l	9	0	0%	9	2024-11-13	1	0.0180
26_5_114	MW-17B	Part 115	Iron	mg/l	9	0	0%	9	2024-11-13	1	7.27
27_3_103	MW-17C	Appendix IV	Barium	mg/l	9	0	0%	9	2024-12-18	1	0.0880
27_5_129	MW-17C	Part 115	Zinc	mg/l	9	4	44%	5	2026-02-10	1	1.10
28_2_105	MW-18A	Appendix III	Boron	mg/l	10	0	0%	10	2024-11-13	1	3.47
28_2_107	MW-18A	Appendix III	Calcium	mg/l	10	0	0%	10	2024-11-13	1	5.69
28_2_108	MW-18A	Appendix III	Chloride	mg/l	10	0	0%	10	2024-11-13	1	2.20

(Table continues on next page)

Table 6: Outliers Identified at the 1% Significance Level, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	No. Detects	Date	Dilution	Value
28_2_124	MW-18A	Appendix III	Sulfate	mg/l	10	0	0%	10	2024-11-13	1	0.900
28_3_102	MW-18A	Appendix IV	Arsenic	mg/l	10	4	40%	6	2024-12-18	1	0.00500
28_3_121	MW-18A	Appendix IV	Radium-226+228	pci/l	10	2	20%	8	2024-10-08	1	3.19
29_2_124	MW-18B	Appendix III	Sulfate	mg/l	10	0	0%	10	2024-11-13	1	143
29_3_103	MW-18B	Appendix IV	Barium	mg/l	10	0	0%	10	2025-02-27	1	0.0430
30_2_105	MW-19A	Appendix III	Boron	mg/l	9	0	0%	9	2026-02-11	2	0.170
30_3_110	MW-19A	Appendix IV	Cobalt	mg/l	9	4	44%	5	2025-05-12	1	0.000540
31_2_126	MW-19B	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	9	2025-07-22	1	840
31_3_118	MW-19B	Appendix IV	Molybdenum	mg/l	9	0	0%	9	2025-07-22	1	0.00640

Table 7: Seasonality Tests

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
11_2_105	MW-2	Appendix III	Boron	mg/l	0%	6	3	8	2	19	0.224	0.237	0.326	6	3	8	2	19	0.224	0.237	0.326
11_2_107	MW-2	Appendix III	Calcium	mg/l	0%	6	3	8	2	19	0.144	0.098	0.095	6	3	8	2	19	0.144	0.098	0.095
11_2_108	MW-2	Appendix III	Chloride	mg/l	0%	6	3	8	2	19	0.130	0.366	0.406	6	3	8	2	19	0.130	0.366	0.406
11_2_112	MW-2	Appendix III	Fluoride	mg/l	85%	6	3	8	3	20	0.471	0.500	0.502	2	0	1	0	3	1.000	0.935	0.964
11_2_120	MW-2	Appendix III	pH, Field	su	0%	7	3	8	4	22	0.282	0.134	0.133	7	3	8	4	22	0.282	0.134	0.133
11_2_124	MW-2	Appendix III	Sulfate	mg/l	0%	6	3	8	2	19	0.123	0.130	0.173	6	3	8	2	19	0.123	0.130	0.173
11_2_126	MW-2	Appendix III	Total Dissolved Solids	mg/l	0%	6	3	8	2	19	0.205	0.196	0.218	6	3	8	2	19	0.205	0.196	0.218
11_3_101	MW-2	Appendix IV	Antimony	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
11_3_102	MW-2	Appendix IV	Arsenic	mg/l	75%	6	3	8	3	20	0.902	0.996	0.801	2	0	2	1	5	0.674	0.772	0.781
11_3_103	MW-2	Appendix IV	Barium	mg/l	0%	6	3	8	3	20	0.910	0.960	0.937	6	3	8	3	20	0.910	0.960	0.937
11_3_104	MW-2	Appendix IV	Beryllium	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
11_3_106	MW-2	Appendix IV	Cadmium	mg/l	85%	6	3	8	3	20	0.414	0.469	0.433	2	0	1	0	3	0.221	0.018 *	0.021 *
11_3_109	MW-2	Appendix IV	Chromium	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
11_3_110	MW-2	Appendix IV	Cobalt	mg/l	85%	6	3	8	3	20	0.414	0.413	0.401	2	0	1	0	3	0.157	0.000 ***	0.000 ***
11_3_113	MW-2	Appendix IV	Fluoride (App IV)	mg/l	85%	6	3	8	3	20	0.471	0.500	0.502	2	0	1	0	3	1.000	0.935	0.964
11_3_115	MW-2	Appendix IV	Lead	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
11_3_116	MW-2	Appendix IV	Lithium	mg/l	0%	6	3	8	3	20	0.081	0.054	0.080	6	3	8	3	20	0.081	0.054	0.080
11_3_117	MW-2	Appendix IV	Mercury	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
11_3_118	MW-2	Appendix IV	Molybdenum	mg/l	0%	6	3	8	3	20	0.295	0.587	0.620	6	3	8	3	20	0.295	0.587	0.620
11_3_121	MW-2	Appendix IV	Radium-226+228	pci/l	15%	6	3	8	3	20	0.935	0.942	NA	4	3	7	3	17	0.854	0.923	NA
11_3_122	MW-2	Appendix IV	Selenium	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
11_3_125	MW-2	Appendix IV	Thallium	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
11_5_111	MW-2	Part 115	Copper	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
11_5_114	MW-2	Part 115	Iron	mg/l	0%	6	3	8	3	20	0.680	0.782	0.920	6	3	8	3	20	0.680	0.782	0.920
11_5_119	MW-2	Part 115	Nickel	mg/l	0%	6	3	8	3	20	0.058	0.167	0.218	6	3	8	3	20	0.058	0.167	0.218
11_5_123	MW-2	Part 115	Silver	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
11_5_128	MW-2	Part 115	Vanadium	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
11_5_129	MW-2	Part 115	Zinc	mg/l	70%	6	3	8	3	20	0.565	0.116	0.165	3	1	2	0	6	0.252	0.004 **	0.131
12_2_105	MW-3	Appendix III	Boron	mg/l	0%	5	1	5	0	11	0.229	0.287	0.302	5	1	5	0	11	0.229	0.287	0.302
12_2_107	MW-3	Appendix III	Calcium	mg/l	0%	5	1	5	0	11	0.995	0.961	0.955	5	1	5	0	11	0.995	0.961	0.955
12_2_108	MW-3	Appendix III	Chloride	mg/l	0%	5	1	5	0	11	0.284	0.319	0.301	5	1	5	0	11	0.284	0.319	0.301
12_2_112	MW-3	Appendix III	Fluoride	mg/l	73%	5	1	5	0	11	0.667	0.706	0.705	2	0	1	0	3	1.000	1.000	0.965
12_2_120	MW-3	Appendix III	pH, Field	su	0%	6	1	5	1	13	0.069	0.048 *	0.047 *	6	1	5	1	13	0.069	0.048 *	0.047 *
12_2_124	MW-3	Appendix III	Sulfate	mg/l	0%	5	1	5	0	11	0.807	0.971	0.974	5	1	5	0	11	0.807	0.971	0.974
12_2_126	MW-3	Appendix III	Total Dissolved Solids	mg/l	0%	5	1	5	0	11	0.428	0.749	0.770	5	1	5	0	11	0.428	0.749	0.770
12_3_101	MW-3	Appendix IV	Antimony	mg/l	100%	5	1	5	0	11	0.659	0.706	0.706	NA	NA	NA	NA	NA	NA	NA	NA
12_3_102	MW-3	Appendix IV	Arsenic	mg/l	0%	5	1	5	0	11	0.543	0.932	0.975	5	1	5	0	11	0.543	0.932	0.975
12_3_103	MW-3	Appendix IV	Barium	mg/l	0%	5	1	5	0	11	0.270	0.322	0.351	5	1	5	0	11	0.270	0.322	0.351
12_3_104	MW-3	Appendix IV	Beryllium	mg/l	100%	5	1	5	0	11	0.659	0.706	0.706	NA	NA	NA	NA	NA	NA	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
12_3_106	MW-3	Appendix IV	Cadmium	mg/l	100%	5	1	5	0	11	0.659	0.706	0.706	NA	NA	NA	NA	NA	NA	NA	NA
12_3_109	MW-3	Appendix IV	Chromium	mg/l	100%	5	1	5	0	11	0.659	0.706	0.706	NA	NA	NA	NA	NA	NA	NA	NA
12_3_110	MW-3	Appendix IV	Cobalt	mg/l	73%	5	1	5	0	11	0.551	0.687	0.639	2	0	1	0	3	0.221	0.148	0.178
12_3_113	MW-3	Appendix IV	Fluoride (App IV)	mg/l	73%	5	1	5	0	11	0.667	0.706	0.705	2	0	1	0	3	1.000	1.000	0.965
12_3_115	MW-3	Appendix IV	Lead	mg/l	91%	5	1	5	0	11	0.549	0.672	0.618	0	0	1	0	1	NA	NA	NA
12_3_116	MW-3	Appendix IV	Lithium	mg/l	0%	5	1	5	0	11	0.517	0.524	0.531	5	1	5	0	11	0.517	0.524	0.531
12_3_117	MW-3	Appendix IV	Mercury	mg/l	92%	6	1	5	0	12	0.432	0.473	0.605	1	0	0	0	1	NA	NA	NA
12_3_118	MW-3	Appendix IV	Molybdenum	mg/l	0%	5	1	5	0	11	0.811	0.636	0.657	5	1	5	0	11	0.811	0.636	0.657
12_3_121	MW-3	Appendix IV	Radium-226+228	pci/l	27%	5	1	5	0	11	0.804	0.947	0.874	3	1	4	0	8	0.846	0.789	0.742
12_3_122	MW-3	Appendix IV	Selenium	mg/l	100%	5	1	5	0	11	0.659	0.706	0.706	NA	NA	NA	NA	NA	NA	NA	NA
12_3_125	MW-3	Appendix IV	Thallium	mg/l	100%	5	1	5	0	11	0.659	0.706	0.706	NA	NA	NA	NA	NA	NA	NA	NA
12_5_111	MW-3	Part 115	Copper	mg/l	91%	5	1	5	0	11	0.549	0.546	0.483	0	0	1	0	1	NA	NA	NA
12_5_114	MW-3	Part 115	Iron	mg/l	0%	5	1	5	0	11	0.475	0.394	0.390	5	1	5	0	11	0.475	0.394	0.390
12_5_119	MW-3	Part 115	Nickel	mg/l	73%	5	1	5	0	11	0.551	0.600	0.570	2	0	1	0	3	0.221	0.478	0.504
12_5_123	MW-3	Part 115	Silver	mg/l	100%	5	1	5	0	11	0.659	0.706	0.706	NA	NA	NA	NA	NA	NA	NA	NA
12_5_128	MW-3	Part 115	Vanadium	mg/l	100%	5	1	5	0	11	0.659	0.706	0.706	NA	NA	NA	NA	NA	NA	NA	NA
12_5_129	MW-3	Part 115	Zinc	mg/l	73%	5	1	5	0	11	0.551	0.616	0.562	2	0	1	0	3	0.221	0.333	0.385
13_2_105	MW-5	Appendix III	Boron	mg/l	0%	6	3	8	2	19	0.053	0.114	0.294	6	3	8	2	19	0.053	0.114	0.294
13_2_107	MW-5	Appendix III	Calcium	mg/l	0%	6	3	8	2	19	0.051	0.025 *	0.045 *	6	3	8	2	19	0.051	0.025 *	0.045 *
13_2_108	MW-5	Appendix III	Chloride	mg/l	0%	6	3	8	2	19	0.025 *	0.022 *	0.033 *	6	3	8	2	19	0.025 *	0.022 *	0.033 *
13_2_112	MW-5	Appendix III	Fluoride	mg/l	85%	6	3	8	3	20	0.414	0.484	0.448	2	0	1	0	3	0.221	0.154	0.177
13_2_120	MW-5	Appendix III	pH, Field	su	0%	7	3	8	4	22	0.562	0.134	0.128	7	3	8	4	22	0.562	0.134	0.128
13_2_124	MW-5	Appendix III	Sulfate	mg/l	0%	6	3	8	2	19	0.045 *	0.012 *	0.031 *	6	3	8	2	19	0.045 *	0.012 *	0.031 *
13_2_126	MW-5	Appendix III	Total Dissolved Solids	mg/l	0%	6	3	8	2	19	0.036 *	0.024 *	0.040 *	6	3	8	2	19	0.036 *	0.024 *	0.040 *
13_3_101	MW-5	Appendix IV	Antimony	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
13_3_102	MW-5	Appendix IV	Arsenic	mg/l	65%	6	3	8	3	20	0.832	0.670	0.832	2	3	2	0	7	0.247	0.235	0.261
13_3_103	MW-5	Appendix IV	Barium	mg/l	0%	6	3	8	3	20	0.607	0.266	0.328	6	3	8	3	20	0.607	0.266	0.328
13_3_104	MW-5	Appendix IV	Beryllium	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
13_3_106	MW-5	Appendix IV	Cadmium	mg/l	95%	6	3	8	3	20	0.497	0.506	0.519	1	0	0	0	1	NA	NA	NA
13_3_109	MW-5	Appendix IV	Chromium	mg/l	85%	6	3	8	3	20	0.496	0.294	0.447	2	1	0	0	3	0.221	0.443	0.558
13_3_110	MW-5	Appendix IV	Cobalt	mg/l	80%	6	3	8	3	20	0.241	0.430	0.532	2	1	1	0	4	0.259	0.044 *	0.193
13_3_113	MW-5	Appendix IV	Fluoride (App IV)	mg/l	85%	6	3	8	3	20	0.414	0.484	0.448	2	0	1	0	3	0.221	0.154	0.177
13_3_115	MW-5	Appendix IV	Lead	mg/l	75%	6	3	8	3	20	0.581	0.845	0.837	2	1	2	0	5	0.497	0.743	0.787
13_3_116	MW-5	Appendix IV	Lithium	mg/l	0%	6	3	8	3	20	0.345	0.433	0.476	6	3	8	3	20	0.345	0.433	0.476
13_3_117	MW-5	Appendix IV	Mercury	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
13_3_118	MW-5	Appendix IV	Molybdenum	mg/l	0%	6	3	8	3	20	0.305	0.314	0.437	6	3	8	3	20	0.305	0.314	0.437
13_3_121	MW-5	Appendix IV	Radium-226+228	pci/l	15%	6	3	8	3	20	0.030 *	0.036 *	0.040 *	4	3	7	3	17	0.008 **	0.010 *	0.007 **
13_3_122	MW-5	Appendix IV	Selenium	mg/l	95%	6	3	8	3	20	0.497	0.503	0.509	1	0	0	0	1	NA	NA	NA
13_3_125	MW-5	Appendix IV	Thallium	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
13_5_111	MW-5	Part 115	Copper	mg/l	65%	6	3	8	3	20	0.654	0.994	0.904	2	1	3	1	7	0.963	0.999	0.981
13_5_114	MW-5	Part 115	Iron	mg/l	5%	6	3	8	3	20	0.023 *	0.115	0.008 **	6	3	8	2	19	0.054	0.158	0.051
13_5_119	MW-5	Part 115	Nickel	mg/l	0%	6	3	8	3	20	0.044 *	0.014 *	0.036 *	6	3	8	3	20	0.044 *	0.014 *	0.036 *
13_5_123	MW-5	Part 115	Silver	mg/l	95%	6	3	8	3	20	0.497	0.515	0.552	1	0	0	0	1	NA	NA	NA
13_5_128	MW-5	Part 115	Vanadium	mg/l	75%	6	3	8	3	20	0.499	0.337	0.528	4	1	0	0	5	0.157	0.155	0.307
13_5_129	MW-5	Part 115	Zinc	mg/l	15%	6	3	8	3	20	0.775	0.490	0.746	5	2	8	2	17	0.511	0.394	0.476
14_2_105	MW-6	Appendix III	Boron	mg/l	0%	6	3	8	2	19	0.017 *	0.003 **	0.004 **	6	3	8	2	19	0.017 *	0.003 **	0.004 **
14_2_107	MW-6	Appendix III	Calcium	mg/l	0%	6	3	8	2	19	0.032 *	0.016 *	0.012 *	6	3	8	2	19	0.032 *	0.016 *	0.012 *
14_2_108	MW-6	Appendix III	Chloride	mg/l	0%	6	3	8	2	19	0.040 *	0.046 *	0.036 *	6	3	8	2	19	0.040 *	0.046 *	0.036 *
14_2_112	MW-6	Appendix III	Fluoride	mg/l	85%	6	3	8	3	20	0.524	0.517	0.541	2	0	1	0	3	0.221	0.154	0.143
14_2_120	MW-6	Appendix III	pH, Field	su	0%	7	3	8	4	22	0.876	0.829	0.820	7	3	8	4	22	0.876	0.829	0.820
14_2_124	MW-6	Appendix III	Sulfate	mg/l	0%	6	3	8	2	19	0.037 *	0.008 **	0.016 *	6	3	8	2	19	0.037 *	0.008 **	0.016 *
14_2_126	MW-6	Appendix III	Total Dissolved Solids	mg/l	0%	6	3	8	2	19	0.016 *	0.005 **	0.004 **	6	3	8	2	19	0.016 *	0.005 **	0.004 **
14_3_101	MW-6	Appendix IV	Antimony	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
14_3_102	MW-6	Appendix IV	Arsenic	mg/l	90%	6	3	8	3	20	0.904	0.895	0.737	1	0	1	0	2	0.317	NA	NA
14_3_103	MW-6	Appendix IV	Barium	mg/l	0%	6	3	8	3	20	0.095	0.120	0.124	6	3	8	3	20	0.095	0.120	0.124
14_3_104	MW-6	Appendix IV	Beryllium	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
14_3_106	MW-6	Appendix IV	Cadmium	mg/l	95%	6	3	8	3	20	0.497	0.538	0.592	1	0	0	0	1	NA	NA	NA
14_3_109	MW-6	Appendix IV	Chromium	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
14_3_110	MW-6	Appendix IV	Cobalt	mg/l	85%	6	3	8	3	20	0.524	0.512	0.557	2	0	1	0	3	0.221	0.275	0.237
14_3_113	MW-6	Appendix IV	Fluoride (App IV)	mg/l	85%	6	3	8	3	20	0.524	0.517	0.541	2	0	1	0	3	0.221	0.154	0.143
14_3_115	MW-6	Appendix IV	Lead	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
14_3_116	MW-6	Appendix IV	Lithium	mg/l	0%	6	3	8	3	20	0.052	0.066	0.091	6	3	8	3	20	0.052	0.066	0.091
14_3_117	MW-6	Appendix IV	Mercury	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
14_3_118	MW-6	Appendix IV	Molybdenum	mg/l	0%	6	3	8	3	20	0.314	0.471	0.551	6	3	8	3	20	0.314	0.471	0.551
14_3_121	MW-6	Appendix IV	Radium-226+228	pci/l	15%	6	3	8	3	20	0.505	0.806	NA	4	3	7	3	17	0.363	0.668	NA
14_3_122	MW-6	Appendix IV	Selenium	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
14_3_125	MW-6	Appendix IV	Thallium	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
14_5_111	MW-6	Part 115	Copper	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
14_5_114	MW-6	Part 115	Iron	mg/l	45%	6	3	8	3	20	0.078	0.029 *	0.035 *	2	2	7	0	11	0.092	0.013 *	0.020 *
14_5_119	MW-6	Part 115	Nickel	mg/l	25%	6	3	8	3	20	0.223	0.384	0.541	5	2	5	3	15	0.169	0.519	0.680
14_5_123	MW-6	Part 115	Silver	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
14_5_128	MW-6	Part 115	Vanadium	mg/l	100%	6	3	8	3	20	0.467	0.499	0.499	NA	NA	NA	NA	NA	NA	NA	NA
14_5_129	MW-6	Part 115	Zinc	mg/l	80%	6	3	8	3	20	0.241	0.100	0.164	2	1	1	0	4	0.259	0.013 *	0.075
15_2_105	MW-7	Appendix III	Boron	mg/l	0%	7	0	7	2	16	0.536	0.420	0.440	7	0	7	2	16	0.536	0.420	0.440
15_2_107	MW-7	Appendix III	Calcium	mg/l	0%	7	0	7	2	16	0.368	0.173	0.173	7	0	7	2	16	0.368	0.173	0.173
15_2_108	MW-7	Appendix III	Chloride	mg/l	0%	7	0	7	2	16	0.433	0.501	0.489	7	0	7	2	16	0.433	0.501	0.489
15_2_112	MW-7	Appendix III	Fluoride	mg/l	69%	7	0	7	2	16	0.541	0.558	0.565	3	0	2	0	5	1.000	0.937	0.988
15_2_120	MW-7	Appendix III	pH, Field	su	0%	8	1	7	3	19	0.534	0.538	0.533	8	1	7	3	19	0.534	0.538	0.533

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
15_2_124	MW-7	Appendix III	Sulfate	mg/l	0%	7	0	7	2	16	0.014 *	0.046 *	0.033 *	7	0	7	2	16	0.014 *	0.046 *	0.033 *
15_2_126	MW-7	Appendix III	Total Dissolved Solids	mg/l	0%	6	1	7	2	16	0.219	0.237	0.221	6	1	7	2	16	0.219	0.237	0.221
15_3_101	MW-7	Appendix IV	Antimony	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
15_3_102	MW-7	Appendix IV	Arsenic	mg/l	0%	7	0	7	2	16	0.460	0.374	0.345	7	0	7	2	16	0.460	0.374	0.345
15_3_103	MW-7	Appendix IV	Barium	mg/l	0%	7	0	7	2	16	0.624	0.604	0.576	7	0	7	2	16	0.624	0.604	0.576
15_3_104	MW-7	Appendix IV	Beryllium	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
15_3_106	MW-7	Appendix IV	Cadmium	mg/l	94%	7	0	7	2	16	0.663	0.678	0.706	1	0	0	0	1	NA	NA	NA
15_3_109	MW-7	Appendix IV	Chromium	mg/l	94%	7	0	7	2	16	0.535	0.597	0.629	0	0	1	0	1	NA	NA	NA
15_3_110	MW-7	Appendix IV	Cobalt	mg/l	81%	7	0	7	2	16	0.663	0.662	0.686	2	0	1	0	3	0.480	0.667	0.667
15_3_113	MW-7	Appendix IV	Fluoride (App IV)	mg/l	69%	7	0	7	2	16	0.541	0.558	0.565	3	0	2	0	5	1.000	0.937	0.988
15_3_115	MW-7	Appendix IV	Lead	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
15_3_116	MW-7	Appendix IV	Lithium	mg/l	0%	7	0	7	2	16	0.306	0.383	0.395	7	0	7	2	16	0.306	0.383	0.395
15_3_117	MW-7	Appendix IV	Mercury	mg/l	94%	7	0	7	2	16	0.627	0.658	0.658	0	0	1	0	1	NA	NA	NA
15_3_118	MW-7	Appendix IV	Molybdenum	mg/l	0%	7	0	7	2	16	0.445	0.416	0.411	7	0	7	2	16	0.445	0.416	0.411
15_3_121	MW-7	Appendix IV	Radium-226+228	pci/l	0%	7	0	7	2	16	0.725	0.978	0.730	7	0	7	2	16	0.725	0.978	0.730
15_3_122	MW-7	Appendix IV	Selenium	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
15_3_125	MW-7	Appendix IV	Thallium	mg/l	94%	7	0	7	2	16	0.663	0.683	0.705	1	0	0	0	1	NA	NA	NA
15_5_111	MW-7	Part 115	Copper	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
15_5_114	MW-7	Part 115	Iron	mg/l	0%	7	0	7	2	16	0.487	0.518	0.624	7	0	7	2	16	0.487	0.518	0.624
15_5_119	MW-7	Part 115	Nickel	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
15_5_123	MW-7	Part 115	Silver	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
15_5_128	MW-7	Part 115	Vanadium	mg/l	94%	7	0	7	2	16	0.913	0.755	0.700	1	0	0	0	1	NA	NA	NA
15_5_129	MW-7	Part 115	Zinc	mg/l	75%	7	0	7	2	16	0.194	0.322	0.403	0	0	4	0	4	NA	NA	NA
16_2_105	MW-7C	Appendix III	Boron	mg/l	0%	4	3	5	3	15	0.469	0.305	0.300	4	3	5	3	15	0.469	0.305	0.300
16_2_107	MW-7C	Appendix III	Calcium	mg/l	0%	4	3	5	3	15	0.663	0.943	0.951	4	3	5	3	15	0.663	0.943	0.951
16_2_108	MW-7C	Appendix III	Chloride	mg/l	0%	4	3	5	3	15	0.223	0.317	0.300	4	3	5	3	15	0.223	0.317	0.300
16_2_112	MW-7C	Appendix III	Fluoride	mg/l	80%	4	3	5	3	15	0.266	0.326	0.306	2	0	1	0	3	0.221	0.333	0.354
16_2_120	MW-7C	Appendix III	pH, Field	su	0%	5	3	5	4	17	0.013 *	0.003 **	0.003 **	5	3	5	4	17	0.013 *	0.003 **	0.003 **
16_2_124	MW-7C	Appendix III	Sulfate	mg/l	0%	4	3	5	3	15	0.021 *	0.000 ***	0.000 ***	4	3	5	3	15	0.021 *	0.000 ***	0.000 ***
16_2_126	MW-7C	Appendix III	Total Dissolved Solids	mg/l	0%	4	3	5	3	15	0.021 *	0.055	0.078	4	3	5	3	15	0.021 *	0.055	0.078
16_3_101	MW-7C	Appendix IV	Antimony	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
16_3_102	MW-7C	Appendix IV	Arsenic	mg/l	0%	4	3	5	3	15	0.289	0.804	0.735	4	3	5	3	15	0.289	0.804	0.735
16_3_103	MW-7C	Appendix IV	Barium	mg/l	0%	4	3	5	3	15	0.074	0.046 *	0.049 *	4	3	5	3	15	0.074	0.046 *	0.049 *
16_3_104	MW-7C	Appendix IV	Beryllium	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
16_3_106	MW-7C	Appendix IV	Cadmium	mg/l	73%	4	3	5	3	15	0.068	0.051	0.108	0	1	1	2	4	0.259	0.124	0.059
16_3_109	MW-7C	Appendix IV	Chromium	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
16_3_110	MW-7C	Appendix IV	Cobalt	mg/l	93%	4	3	5	3	15	0.265	0.339	0.274	0	0	1	0	1	NA	NA	NA
16_3_113	MW-7C	Appendix IV	Fluoride (App IV)	mg/l	80%	4	3	5	3	15	0.266	0.326	0.306	2	0	1	0	3	0.221	0.333	0.354
16_3_115	MW-7C	Appendix IV	Lead	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
16_3_116	MW-7C	Appendix IV	Lithium	mg/l	0%	4	3	5	3	15	0.297	0.305	0.299	4	3	5	3	15	0.297	0.305	0.299
16_3_117	MW-7C	Appendix IV	Mercury	mg/l	94%	5	3	5	3	16	0.159	0.205	0.469	1	0	0	0	1	NA	NA	NA
16_3_118	MW-7C	Appendix IV	Molybdenum	mg/l	0%	4	3	5	3	15	0.140	0.122	0.127	4	3	5	3	15	0.140	0.122	0.127
16_3_121	MW-7C	Appendix IV	Radium-226+228	pci/l	7%	4	3	5	3	15	0.623	0.497	0.688	3	3	5	3	14	0.592	0.468	0.611
16_3_122	MW-7C	Appendix IV	Selenium	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
16_3_125	MW-7C	Appendix IV	Thallium	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
16_5_111	MW-7C	Part 115	Copper	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
16_5_114	MW-7C	Part 115	Iron	mg/l	0%	4	3	5	3	15	0.280	0.393	0.419	4	3	5	3	15	0.280	0.393	0.419
16_5_119	MW-7C	Part 115	Nickel	mg/l	0%	4	3	5	3	15	0.108	0.054	0.056	4	3	5	3	15	0.108	0.054	0.056
16_5_123	MW-7C	Part 115	Silver	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
16_5_128	MW-7C	Part 115	Vanadium	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
16_5_129	MW-7C	Part 115	Zinc	mg/l	80%	4	3	5	3	15	0.334	0.252	0.186	1	0	2	0	3	0.221	0.526	0.403
17_2_105	MW-8	Appendix III	Boron	mg/l	6%	7	0	7	2	16	0.030 *	0.014 *	0.007 **	6	0	7	2	15	0.054	0.028 *	0.017 *
17_2_107	MW-8	Appendix III	Calcium	mg/l	0%	7	0	7	2	16	0.029 *	0.029 *	0.030 *	7	0	7	2	16	0.029 *	0.029 *	0.030 *
17_2_108	MW-8	Appendix III	Chloride	mg/l	12%	7	0	7	2	16	0.355	0.399	0.327	5	0	7	2	14	0.820	0.653	0.746
17_2_112	MW-8	Appendix III	Fluoride	mg/l	75%	7	0	7	2	16	0.322	0.366	0.359	3	0	1	0	4	0.655	0.716	0.707
17_2_120	MW-8	Appendix III	pH, Field	su	0%	7	0	7	2	16	0.666	0.972	0.979	7	0	7	2	16	0.666	0.972	0.979
17_2_124	MW-8	Appendix III	Sulfate	mg/l	0%	7	0	7	2	16	0.282	0.285	0.277	7	0	7	2	16	0.282	0.285	0.277
17_2_126	MW-8	Appendix III	Total Dissolved Solids	mg/l	0%	7	0	7	2	16	0.974	0.970	0.976	7	0	7	2	16	0.974	0.970	0.976
17_3_101	MW-8	Appendix IV	Antimony	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
17_3_102	MW-8	Appendix IV	Arsenic	mg/l	88%	7	0	7	2	16	0.557	0.404	0.361	1	0	1	0	2	0.317	NA	NA
17_3_103	MW-8	Appendix IV	Barium	mg/l	0%	7	0	7	2	16	0.575	0.330	0.330	7	0	7	2	16	0.575	0.330	0.330
17_3_104	MW-8	Appendix IV	Beryllium	mg/l	94%	7	0	7	2	16	0.557	0.638	0.619	0	0	1	0	1	NA	NA	NA
17_3_106	MW-8	Appendix IV	Cadmium	mg/l	94%	7	0	7	2	16	0.557	0.530	0.431	0	0	1	0	1	NA	NA	NA
17_3_109	MW-8	Appendix IV	Chromium	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
17_3_110	MW-8	Appendix IV	Cobalt	mg/l	94%	7	0	7	2	16	0.557	0.637	0.510	0	0	1	0	1	NA	NA	NA
17_3_113	MW-8	Appendix IV	Fluoride (App IV)	mg/l	75%	7	0	7	2	16	0.322	0.366	0.359	3	0	1	0	4	0.655	0.716	0.707
17_3_115	MW-8	Appendix IV	Lead	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
17_3_116	MW-8	Appendix IV	Lithium	mg/l	38%	7	0	7	2	16	0.143	0.035 *	0.059	4	0	4	2	10	0.232	0.119	0.172
17_3_117	MW-8	Appendix IV	Mercury	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
17_3_118	MW-8	Appendix IV	Molybdenum	mg/l	69%	7	0	7	2	16	0.410	0.109	0.169	2	0	2	1	5	0.301	0.117	0.320
17_3_121	MW-8	Appendix IV	Radium-226+228	pci/l	0%	7	0	7	2	16	0.787	0.730	0.897	7	0	7	2	16	0.787	0.730	0.897
17_3_122	MW-8	Appendix IV	Selenium	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
17_3_125	MW-8	Appendix IV	Thallium	mg/l	94%	7	0	7	2	16	0.557	0.646	0.633	0	0	1	0	1	NA	NA	NA
17_5_111	MW-8	Part 115	Copper	mg/l	94%	7	0	7	2	16	0.913	0.952	0.882	1	0	0	0	1	NA	NA	NA
17_5_114	MW-8	Part 115	Iron	mg/l	81%	7	0	7	2	16	0.189	0.363	0.274	2	0	1	0	3	0.221	0.099	0.162
17_5_119	MW-8	Part 115	Nickel	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
17_5_123	MW-8	Part 115	Silver	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
17_5_128	MW-8	Part 115	Vanadium	mg/l	94%	7	0	7	2	16	0.627	0.658	0.658	1	0	0	0	1	NA	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
17_5_129	MW-8	Part 115	Zinc	mg/l	88%	7	0	7	2	16	0.894	0.802	0.603	1	0	1	0	2	0.317	NA	NA
18_2_105	MW-9	Appendix III	Boron	mg/l	88%	7	0	7	2	16	0.824	0.887	0.869	1	0	1	0	2	0.317	NA	NA
18_2_107	MW-9	Appendix III	Calcium	mg/l	0%	7	0	7	2	16	0.196	0.239	0.206	7	0	7	2	16	0.196	0.239	0.206
18_2_108	MW-9	Appendix III	Chloride	mg/l	62%	7	0	7	2	16	0.549	0.537	0.503	4	0	2	0	6	0.355	0.649	0.628
18_2_112	MW-9	Appendix III	Fluoride	mg/l	94%	7	0	7	2	16	0.379	0.368	0.379	1	0	0	0	1	NA	NA	NA
18_2_120	MW-9	Appendix III	pH, Field	su	0%	7	0	7	2	16	0.332	0.665	0.650	7	0	7	2	16	0.332	0.665	0.650
18_2_124	MW-9	Appendix III	Sulfate	mg/l	50%	7	0	7	2	16	0.682	0.562	0.642	4	0	4	0	8	0.564	0.463	0.625
18_2_126	MW-9	Appendix III	Total Dissolved Solids	mg/l	0%	7	0	7	2	16	0.178	0.308	0.268	7	0	7	2	16	0.178	0.308	0.268
18_3_101	MW-9	Appendix IV	Antimony	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
18_3_102	MW-9	Appendix IV	Arsenic	mg/l	88%	7	0	7	2	16	0.894	0.895	0.718	1	0	1	0	2	0.317	NA	NA
18_3_103	MW-9	Appendix IV	Barium	mg/l	0%	7	0	7	2	16	0.894	0.784	0.815	7	0	7	2	16	0.894	0.784	0.815
18_3_104	MW-9	Appendix IV	Beryllium	mg/l	94%	7	0	7	2	16	0.557	0.653	0.648	0	0	1	0	1	NA	NA	NA
18_3_106	MW-9	Appendix IV	Cadmium	mg/l	94%	7	0	7	2	16	0.557	0.582	0.496	0	0	1	0	1	NA	NA	NA
18_3_109	MW-9	Appendix IV	Chromium	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
18_3_110	MW-9	Appendix IV	Cobalt	mg/l	94%	7	0	7	2	16	0.557	0.653	0.600	0	0	1	0	1	NA	NA	NA
18_3_113	MW-9	Appendix IV	Fluoride (App IV)	mg/l	94%	7	0	7	2	16	0.379	0.368	0.379	1	0	0	0	1	NA	NA	NA
18_3_115	MW-9	Appendix IV	Lead	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
18_3_116	MW-9	Appendix IV	Lithium	mg/l	100%	7	0	7	2	16	0.535	0.522	0.530	NA	NA	NA	NA	NA	NA	NA	NA
18_3_117	MW-9	Appendix IV	Mercury	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
18_3_118	MW-9	Appendix IV	Molybdenum	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
18_3_121	MW-9	Appendix IV	Radium-226+228	pci/l	0%	7	0	7	2	16	0.389	0.379	NA	7	0	7	2	16	0.389	0.379	NA
18_3_122	MW-9	Appendix IV	Selenium	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
18_3_125	MW-9	Appendix IV	Thallium	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
18_5_111	MW-9	Part 115	Copper	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
18_5_114	MW-9	Part 115	Iron	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
18_5_119	MW-9	Part 115	Nickel	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
18_5_123	MW-9	Part 115	Silver	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
18_5_128	MW-9	Part 115	Vanadium	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
18_5_129	MW-9	Part 115	Zinc	mg/l	88%	7	0	7	2	16	0.916	0.940	0.820	2	0	0	0	2	NA	NA	NA
19_2_105	MW-10	Appendix III	Boron	mg/l	6%	7	0	7	2	16	0.243	0.156	0.154	6	0	7	2	15	0.152	0.099	0.091
19_2_107	MW-10	Appendix III	Calcium	mg/l	0%	7	0	7	2	16	0.558	0.596	0.604	7	0	7	2	16	0.558	0.596	0.604
19_2_108	MW-10	Appendix III	Chloride	mg/l	56%	7	0	7	2	16	0.746	0.880	0.653	4	0	3	0	7	0.593	0.964	0.767
19_2_112	MW-10	Appendix III	Fluoride	mg/l	75%	7	0	7	2	16	0.265	0.355	0.311	3	0	1	0	4	0.180	0.131	0.166
19_2_120	MW-10	Appendix III	pH, Field	su	0%	7	0	7	2	16	0.667	0.634	0.640	7	0	7	2	16	0.667	0.634	0.640
19_2_124	MW-10	Appendix III	Sulfate	mg/l	0%	7	0	7	2	16	0.192	0.162	0.124	7	0	7	2	16	0.192	0.162	0.124
19_2_126	MW-10	Appendix III	Total Dissolved Solids	mg/l	0%	7	0	7	2	16	0.329	0.354	0.389	7	0	7	2	16	0.329	0.354	0.389
19_3_101	MW-10	Appendix IV	Antimony	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
19_3_102	MW-10	Appendix IV	Arsenic	mg/l	88%	7	0	7	2	16	0.557	0.597	0.562	1	0	1	0	2	0.317	NA	NA
19_3_103	MW-10	Appendix IV	Barium	mg/l	0%	7	0	7	2	16	0.311	0.390	0.391	7	0	7	2	16	0.311	0.390	0.391

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
19_3_104	MW-10	Appendix IV	Beryllium	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
19_3_106	MW-10	Appendix IV	Cadmium	mg/l	88%	7	0	7	2	16	0.631	0.701	0.731	1	0	1	0	2	0.317	NA	NA
19_3_109	MW-10	Appendix IV	Chromium	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
19_3_110	MW-10	Appendix IV	Cobalt	mg/l	88%	7	0	7	2	16	0.663	0.660	0.674	1	0	1	0	2	0.317	NA	NA
19_3_113	MW-10	Appendix IV	Fluoride (App IV)	mg/l	75%	7	0	7	2	16	0.265	0.355	0.311	3	0	1	0	4	0.180	0.131	0.166
19_3_115	MW-10	Appendix IV	Lead	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
19_3_116	MW-10	Appendix IV	Lithium	mg/l	100%	7	0	7	2	16	0.535	0.522	0.530	NA	NA	NA	NA	NA	NA	NA	NA
19_3_117	MW-10	Appendix IV	Mercury	mg/l	94%	7	0	7	2	16	0.627	0.658	0.658	0	0	1	0	1	NA	NA	NA
19_3_118	MW-10	Appendix IV	Molybdenum	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
19_3_121	MW-10	Appendix IV	Radium-226+228	pci/l	0%	7	0	7	2	16	0.178	0.269	0.168	7	0	7	2	16	0.178	0.269	0.168
19_3_122	MW-10	Appendix IV	Selenium	mg/l	81%	7	0	7	2	16	0.693	0.711	0.751	2	0	1	0	3	0.221	0.512	0.479
19_3_125	MW-10	Appendix IV	Thallium	mg/l	94%	7	0	7	2	16	0.663	0.743	0.784	1	0	0	0	1	NA	NA	NA
19_5_111	MW-10	Part 115	Copper	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
19_5_114	MW-10	Part 115	Iron	mg/l	94%	7	0	7	2	16	0.824	0.671	0.758	1	0	0	0	1	NA	NA	NA
19_5_119	MW-10	Part 115	Nickel	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
19_5_123	MW-10	Part 115	Silver	mg/l	100%	7	0	7	2	16	0.627	0.658	0.658	NA	NA	NA	NA	NA	NA	NA	NA
19_5_128	MW-10	Part 115	Vanadium	mg/l	94%	7	0	7	2	16	0.663	0.666	0.679	1	0	0	0	1	NA	NA	NA
19_5_129	MW-10	Part 115	Zinc	mg/l	81%	7	0	7	2	16	0.845	0.926	0.860	1	0	2	0	3	0.221	0.262	0.467
20_2_105	MW-13	Appendix III	Boron	mg/l	0%	5	2	6	2	15	0.030 *	0.002 **	0.002 **	5	2	6	2	15	0.030 *	0.002 **	0.002 **
20_2_107	MW-13	Appendix III	Calcium	mg/l	0%	5	2	6	2	15	0.161	0.114	0.104	5	2	6	2	15	0.161	0.114	0.104
20_2_108	MW-13	Appendix III	Chloride	mg/l	13%	5	2	6	2	15	0.157	0.479	0.173	4	1	6	2	13	0.352	0.759	0.506
20_2_112	MW-13	Appendix III	Fluoride	mg/l	80%	5	2	6	2	15	0.475	0.578	0.548	2	0	1	0	3	0.221	0.154	0.172
20_2_120	MW-13	Appendix III	pH, Field	su	0%	5	2	6	2	15	0.225	0.453	0.465	5	2	6	2	15	0.225	0.453	0.465
20_2_124	MW-13	Appendix III	Sulfate	mg/l	0%	5	2	6	2	15	0.219	0.397	0.292	5	2	6	2	15	0.219	0.397	0.292
20_2_126	MW-13	Appendix III	Total Dissolved Solids	mg/l	0%	5	2	6	2	15	0.208	0.243	0.188	5	2	6	2	15	0.208	0.243	0.188
20_3_101	MW-13	Appendix IV	Antimony	mg/l	100%	5	2	6	2	15	0.544	0.593	0.593	NA	NA	NA	NA	NA	NA	NA	NA
20_3_102	MW-13	Appendix IV	Arsenic	mg/l	60%	5	2	6	2	15	0.388	0.414	0.375	3	0	3	0	6	0.275	0.382	0.337
20_3_103	MW-13	Appendix IV	Barium	mg/l	0%	5	2	6	2	15	0.121	0.384	0.263	5	2	6	2	15	0.121	0.384	0.263
20_3_104	MW-13	Appendix IV	Beryllium	mg/l	100%	5	2	6	2	15	0.544	0.593	0.593	NA	NA	NA	NA	NA	NA	NA	NA
20_3_106	MW-13	Appendix IV	Cadmium	mg/l	100%	5	2	6	2	15	0.544	0.593	0.593	NA	NA	NA	NA	NA	NA	NA	NA
20_3_109	MW-13	Appendix IV	Chromium	mg/l	100%	5	2	6	2	15	0.544	0.593	0.593	NA	NA	NA	NA	NA	NA	NA	NA
20_3_110	MW-13	Appendix IV	Cobalt	mg/l	80%	5	2	6	2	15	0.550	0.611	0.650	2	0	1	0	3	1.000	0.744	0.784
20_3_113	MW-13	Appendix IV	Fluoride (App IV)	mg/l	80%	5	2	6	2	15	0.475	0.578	0.548	2	0	1	0	3	0.221	0.154	0.172
20_3_115	MW-13	Appendix IV	Lead	mg/l	100%	5	2	6	2	15	0.544	0.593	0.593	NA	NA	NA	NA	NA	NA	NA	NA
20_3_116	MW-13	Appendix IV	Lithium	mg/l	100%	5	2	6	2	15	0.544	0.593	0.593	NA	NA	NA	NA	NA	NA	NA	NA
20_3_117	MW-13	Appendix IV	Mercury	mg/l	100%	5	2	6	2	15	0.544	0.593	0.593	NA	NA	NA	NA	NA	NA	NA	NA
20_3_118	MW-13	Appendix IV	Molybdenum	mg/l	100%	5	2	6	2	15	0.544	0.593	0.593	NA	NA	NA	NA	NA	NA	NA	NA
20_3_121	MW-13	Appendix IV	Radium-226+228	pci/l	7%	5	2	6	2	15	0.781	0.702	0.918	4	2	6	2	14	0.781	0.749	0.921
20_3_122	MW-13	Appendix IV	Selenium	mg/l	87%	5	2	6	2	15	0.227	0.210	0.227	1	0	1	0	2	0.317	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
20_3_125	MW-13	Appendix IV	Thallium	mg/l	100%	5	2	6	2	15	0.544	0.593	0.593	NA	NA	NA	NA	NA	NA	NA	NA
20_5_111	MW-13	Part 115	Copper	mg/l	100%	5	2	6	2	15	0.544	0.593	0.593	NA	NA	NA	NA	NA	NA	NA	NA
20_5_114	MW-13	Part 115	Iron	mg/l	7%	5	2	6	2	15	0.056	0.166	0.122	5	1	6	2	14	0.113	0.229	0.209
20_5_119	MW-13	Part 115	Nickel	mg/l	100%	5	2	6	2	15	0.544	0.593	0.593	NA	NA	NA	NA	NA	NA	NA	NA
20_5_123	MW-13	Part 115	Silver	mg/l	100%	5	2	6	2	15	0.544	0.593	0.593	NA	NA	NA	NA	NA	NA	NA	NA
20_5_128	MW-13	Part 115	Vanadium	mg/l	87%	5	2	6	2	15	0.475	0.541	0.485	1	0	1	0	2	0.317	NA	NA
20_5_129	MW-13	Part 115	Zinc	mg/l	80%	5	2	6	2	15	0.659	0.796	0.855	2	0	1	0	3	0.221	0.153	0.332
21_2_105	MW-14	Appendix III	Boron	mg/l	0%	5	2	5	1	13	0.605	0.955	0.960	5	2	5	1	13	0.605	0.955	0.960
21_2_107	MW-14	Appendix III	Calcium	mg/l	0%	5	2	5	1	13	0.385	0.601	0.586	5	2	5	1	13	0.385	0.601	0.586
21_2_108	MW-14	Appendix III	Chloride	mg/l	0%	5	2	5	1	13	0.837	0.876	0.861	5	2	5	1	13	0.837	0.876	0.861
21_2_112	MW-14	Appendix III	Fluoride	mg/l	77%	5	2	5	1	13	0.587	0.696	0.660	2	0	1	0	3	0.221	0.281	0.323
21_2_120	MW-14	Appendix III	pH, Field	su	0%	6	2	5	2	15	0.173	0.096	0.094	6	2	5	2	15	0.173	0.096	0.094
21_2_124	MW-14	Appendix III	Sulfate	mg/l	0%	5	2	5	1	13	0.581	0.119	0.147	5	2	5	1	13	0.581	0.119	0.147
21_2_126	MW-14	Appendix III	Total Dissolved Solids	mg/l	8%	5	2	5	1	13	0.524	0.145	0.123	5	1	5	1	12	0.557	0.662	0.659
21_3_101	MW-14	Appendix IV	Antimony	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
21_3_102	MW-14	Appendix IV	Arsenic	mg/l	0%	5	2	5	1	13	0.312	0.401	0.503	5	2	5	1	13	0.312	0.401	0.503
21_3_103	MW-14	Appendix IV	Barium	mg/l	0%	5	2	5	1	13	0.399	0.419	0.404	5	2	5	1	13	0.399	0.419	0.404
21_3_104	MW-14	Appendix IV	Beryllium	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
21_3_106	MW-14	Appendix IV	Cadmium	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
21_3_109	MW-14	Appendix IV	Chromium	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
21_3_110	MW-14	Appendix IV	Cobalt	mg/l	77%	5	2	5	1	13	0.729	0.723	0.739	2	0	1	0	3	0.221	0.512	0.495
21_3_113	MW-14	Appendix IV	Fluoride (App IV)	mg/l	77%	5	2	5	1	13	0.587	0.696	0.660	2	0	1	0	3	0.221	0.281	0.323
21_3_115	MW-14	Appendix IV	Lead	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
21_3_116	MW-14	Appendix IV	Lithium	mg/l	0%	5	2	5	1	13	0.493	0.788	0.799	5	2	5	1	13	0.493	0.788	0.799
21_3_117	MW-14	Appendix IV	Mercury	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
21_3_118	MW-14	Appendix IV	Molybdenum	mg/l	0%	5	2	5	1	13	0.622	0.860	0.849	5	2	5	1	13	0.622	0.860	0.849
21_3_121	MW-14	Appendix IV	Radium-226+228	pci/l	15%	5	2	5	1	13	0.474	0.970	0.945	4	2	4	1	11	0.672	0.954	0.963
21_3_122	MW-14	Appendix IV	Selenium	mg/l	85%	5	2	5	1	13	0.537	0.553	0.674	0	0	2	0	2	NA	NA	NA
21_3_125	MW-14	Appendix IV	Thallium	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
21_5_111	MW-14	Part 115	Copper	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
21_5_114	MW-14	Part 115	Iron	mg/l	0%	5	2	5	1	13	0.568	0.800	0.820	5	2	5	1	13	0.568	0.800	0.820
21_5_119	MW-14	Part 115	Nickel	mg/l	46%	5	2	5	1	13	0.925	0.954	0.919	5	0	2	0	7	1.000	0.827	0.876
21_5_123	MW-14	Part 115	Silver	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
21_5_128	MW-14	Part 115	Vanadium	mg/l	77%	5	2	5	1	13	0.729	0.738	0.756	2	0	1	0	3	0.221	0.512	0.497
21_5_129	MW-14	Part 115	Zinc	mg/l	77%	5	2	5	1	13	0.702	0.489	0.804	3	0	0	0	3	NA	NA	NA
22_2_105	MW-15	Appendix III	Boron	mg/l	0%	5	2	5	1	13	0.044 *	0.077	0.125	5	2	5	1	13	0.044 *	0.077	0.125
22_2_107	MW-15	Appendix III	Calcium	mg/l	0%	5	2	5	1	13	0.116	0.191	0.143	5	2	5	1	13	0.116	0.191	0.143
22_2_108	MW-15	Appendix III	Chloride	mg/l	0%	5	2	5	1	13	0.164	0.128	0.129	5	2	5	1	13	0.164	0.128	0.129
22_2_112	MW-15	Appendix III	Fluoride	mg/l	77%	5	2	5	1	13	0.587	0.715	0.709	2	0	1	0	3	0.221	0.567	0.573

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
22_2_120	MW-15	Appendix III	pH, Field	su	0%	5	2	5	1	13	0.088	0.120	0.121	5	2	5	1	13	0.088	0.120	0.121
22_2_124	MW-15	Appendix III	Sulfate	mg/l	0%	5	2	5	1	13	0.354	0.406	0.383	5	2	5	1	13	0.354	0.406	0.383
22_2_126	MW-15	Appendix III	Total Dissolved Solids	mg/l	0%	5	2	5	1	13	0.452	0.564	0.535	5	2	5	1	13	0.452	0.564	0.535
22_3_101	MW-15	Appendix IV	Antimony	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
22_3_102	MW-15	Appendix IV	Arsenic	mg/l	77%	5	2	5	1	13	0.587	0.683	0.667	2	0	1	0	3	1.000	0.677	0.682
22_3_103	MW-15	Appendix IV	Barium	mg/l	0%	5	2	5	1	13	0.114	0.161	0.106	5	2	5	1	13	0.114	0.161	0.106
22_3_104	MW-15	Appendix IV	Beryllium	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
22_3_106	MW-15	Appendix IV	Cadmium	mg/l	92%	5	2	5	1	13	0.585	0.714	0.710	0	0	1	0	1	NA	NA	NA
22_3_109	MW-15	Appendix IV	Chromium	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
22_3_110	MW-15	Appendix IV	Cobalt	mg/l	85%	5	2	5	1	13	0.587	0.687	0.559	1	0	1	0	2	0.317	NA	NA
22_3_113	MW-15	Appendix IV	Fluoride (App IV)	mg/l	77%	5	2	5	1	13	0.587	0.715	0.709	2	0	1	0	3	0.221	0.567	0.573
22_3_115	MW-15	Appendix IV	Lead	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
22_3_116	MW-15	Appendix IV	Lithium	mg/l	92%	5	2	5	1	13	0.940	0.882	0.966	1	0	0	0	1	NA	NA	NA
22_3_117	MW-15	Appendix IV	Mercury	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
22_3_118	MW-15	Appendix IV	Molybdenum	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
22_3_121	MW-15	Appendix IV	Radium-226+228	pci/l	8%	5	2	5	1	13	0.606	0.366	0.536	4	2	5	1	12	0.642	0.406	0.508
22_3_122	MW-15	Appendix IV	Selenium	mg/l	38%	5	2	5	1	13	0.085	0.024 *	0.089	4	2	2	0	8	0.177	0.117	0.100
22_3_125	MW-15	Appendix IV	Thallium	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
22_5_111	MW-15	Part 115	Copper	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
22_5_114	MW-15	Part 115	Iron	mg/l	8%	5	2	5	1	13	0.173	0.530	0.190	4	2	5	1	12	0.152	0.600	0.183
22_5_119	MW-15	Part 115	Nickel	mg/l	92%	5	2	5	1	13	0.585	0.679	0.650	0	0	1	0	1	NA	NA	NA
22_5_123	MW-15	Part 115	Silver	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
22_5_128	MW-15	Part 115	Vanadium	mg/l	100%	5	2	5	1	13	0.659	0.716	0.716	NA	NA	NA	NA	NA	NA	NA	NA
22_5_129	MW-15	Part 115	Zinc	mg/l	85%	5	2	5	1	13	0.286	0.106	0.247	0	1	1	0	2	0.317	NA	NA
23_2_105	MW-16A	Appendix III	Boron	mg/l	0%	4	3	4	3	14	0.146	0.096	0.078	4	3	4	3	14	0.146	0.096	0.078
23_2_107	MW-16A	Appendix III	Calcium	mg/l	0%	4	3	4	3	14	0.026 *	0.004 **	0.005 **	4	3	4	3	14	0.026 *	0.004 **	0.005 **
23_2_108	MW-16A	Appendix III	Chloride	mg/l	0%	4	3	4	3	14	0.168	0.154	0.171	4	3	4	3	14	0.168	0.154	0.171
23_2_112	MW-16A	Appendix III	Fluoride	mg/l	79%	4	3	4	3	14	0.878	0.930	0.789	2	0	1	0	3	0.221	0.260	0.323
23_2_120	MW-16A	Appendix III	pH, Field	su	0%	4	3	4	3	14	0.462	0.367	0.371	4	3	4	3	14	0.462	0.367	0.371
23_2_124	MW-16A	Appendix III	Sulfate	mg/l	0%	4	3	4	3	14	0.032 *	0.021 *	0.007 **	4	3	4	3	14	0.032 *	0.021 *	0.007 **
23_2_126	MW-16A	Appendix III	Total Dissolved Solids	mg/l	0%	4	3	4	3	14	0.044 *	0.019 *	0.025 *	4	3	4	3	14	0.044 *	0.019 *	0.025 *
23_3_101	MW-16A	Appendix IV	Antimony	mg/l	86%	4	3	4	3	14	0.349	0.379	0.391	1	0	1	0	2	0.317	NA	NA
23_3_102	MW-16A	Appendix IV	Arsenic	mg/l	0%	4	3	4	3	14	0.353	0.559	0.436	4	3	4	3	14	0.353	0.559	0.436
23_3_103	MW-16A	Appendix IV	Barium	mg/l	0%	4	3	4	3	14	0.030 *	0.020 *	0.039 *	4	3	4	3	14	0.030 *	0.020 *	0.039 *
23_3_104	MW-16A	Appendix IV	Beryllium	mg/l	93%	4	3	4	3	14	0.373	0.422	0.462	1	0	0	0	1	NA	NA	NA
23_3_106	MW-16A	Appendix IV	Cadmium	mg/l	86%	4	3	4	3	14	0.292	0.323	0.329	1	0	1	0	2	0.317	NA	NA
23_3_109	MW-16A	Appendix IV	Chromium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
23_3_110	MW-16A	Appendix IV	Cobalt	mg/l	79%	4	3	4	3	14	0.349	0.361	0.347	2	0	1	0	3	1.000	0.763	0.737
23_3_113	MW-16A	Appendix IV	Fluoride (App IV)	mg/l	79%	4	3	4	3	14	0.878	0.930	0.789	2	0	1	0	3	0.221	0.260	0.323

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
23_3_115	MW-16A	Appendix IV	Lead	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
23_3_116	MW-16A	Appendix IV	Lithium	mg/l	79%	4	3	4	3	14	0.292	0.285	0.274	2	0	1	0	3	1.000	0.832	0.858
23_3_117	MW-16A	Appendix IV	Mercury	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
23_3_118	MW-16A	Appendix IV	Molybdenum	mg/l	79%	4	3	4	3	14	0.292	0.256	0.218	2	0	1	0	3	0.221	0.121	0.166
23_3_121	MW-16A	Appendix IV	Radium-226+228	pci/l	7%	4	3	4	3	14	0.839	0.846	0.856	3	3	4	3	13	0.884	0.898	0.916
23_3_122	MW-16A	Appendix IV	Selenium	mg/l	93%	4	3	4	3	14	0.341	0.374	0.374	0	0	0	1	1	NA	NA	NA
23_3_125	MW-16A	Appendix IV	Thallium	mg/l	93%	4	3	4	3	14	0.290	0.352	0.331	0	0	1	0	1	NA	NA	NA
23_5_111	MW-16A	Part 115	Copper	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
23_5_114	MW-16A	Part 115	Iron	mg/l	0%	4	3	4	3	14	0.168	0.568	0.734	4	3	4	3	14	0.168	0.568	0.734
23_5_119	MW-16A	Part 115	Nickel	mg/l	86%	4	3	4	3	14	0.290	0.313	0.276	1	0	1	0	2	0.317	NA	NA
23_5_123	MW-16A	Part 115	Silver	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
23_5_128	MW-16A	Part 115	Vanadium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
23_5_129	MW-16A	Part 115	Zinc	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
24_2_105	MW-16B	Appendix III	Boron	mg/l	0%	4	3	4	3	14	0.083	0.107	0.149	4	3	4	3	14	0.083	0.107	0.149
24_2_107	MW-16B	Appendix III	Calcium	mg/l	0%	4	3	4	3	14	0.117	0.088	0.092	4	3	4	3	14	0.117	0.088	0.092
24_2_108	MW-16B	Appendix III	Chloride	mg/l	36%	4	3	4	3	14	0.386	0.591	0.544	3	2	3	1	9	0.342	0.682	0.585
24_2_112	MW-16B	Appendix III	Fluoride	mg/l	57%	4	3	4	3	14	0.125	0.405	0.438	3	0	3	0	6	0.376	0.432	0.409
24_2_120	MW-16B	Appendix III	pH, Field	su	0%	4	3	4	3	14	0.642	0.892	0.896	4	3	4	3	14	0.642	0.892	0.896
24_2_124	MW-16B	Appendix III	Sulfate	mg/l	0%	4	3	4	3	14	0.067	0.085	0.062	4	3	4	3	14	0.067	0.085	0.062
24_2_126	MW-16B	Appendix III	Total Dissolved Solids	mg/l	0%	4	3	4	3	14	0.131	0.218	0.222	4	3	4	3	14	0.131	0.218	0.222
24_3_101	MW-16B	Appendix IV	Antimony	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
24_3_102	MW-16B	Appendix IV	Arsenic	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
24_3_103	MW-16B	Appendix IV	Barium	mg/l	0%	4	3	4	3	14	0.194	0.465	0.482	4	3	4	3	14	0.194	0.465	0.482
24_3_104	MW-16B	Appendix IV	Beryllium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
24_3_106	MW-16B	Appendix IV	Cadmium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
24_3_109	MW-16B	Appendix IV	Chromium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
24_3_110	MW-16B	Appendix IV	Cobalt	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
24_3_113	MW-16B	Appendix IV	Fluoride (App IV)	mg/l	57%	4	3	4	3	14	0.125	0.405	0.438	3	0	3	0	6	0.376	0.432	0.409
24_3_115	MW-16B	Appendix IV	Lead	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
24_3_116	MW-16B	Appendix IV	Lithium	mg/l	0%	4	3	4	3	14	0.232	0.377	0.399	4	3	4	3	14	0.232	0.377	0.399
24_3_117	MW-16B	Appendix IV	Mercury	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
24_3_118	MW-16B	Appendix IV	Molybdenum	mg/l	0%	4	3	4	3	14	0.526	0.578	0.554	4	3	4	3	14	0.526	0.578	0.554
24_3_121	MW-16B	Appendix IV	Radium-226+228	pci/l	7%	4	3	4	3	14	0.433	0.365	0.335	3	3	4	3	13	0.625	0.498	0.536
24_3_122	MW-16B	Appendix IV	Selenium	mg/l	93%	4	3	4	3	14	0.217	0.312	0.345	0	0	0	1	1	NA	NA	NA
24_3_125	MW-16B	Appendix IV	Thallium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
24_5_111	MW-16B	Part 115	Copper	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
24_5_114	MW-16B	Part 115	Iron	mg/l	0%	4	3	4	3	14	0.193	0.358	0.258	4	3	4	3	14	0.193	0.358	0.258
24_5_119	MW-16B	Part 115	Nickel	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
24_5_123	MW-16B	Part 115	Silver	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
24_5_128	MW-16B	Part 115	Vanadium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
24_5_129	MW-16B	Part 115	Zinc	mg/l	93%	4	3	4	3	14	0.290	0.256	0.201	0	0	1	0	1	NA	NA	NA
25_2_105	MW-17A	Appendix III	Boron	mg/l	0%	4	0	2	3	9	0.545	0.527	0.521	4	0	2	3	9	0.545	0.527	0.521
25_2_107	MW-17A	Appendix III	Calcium	mg/l	0%	4	0	2	3	9	0.696	0.439	0.437	4	0	2	3	9	0.696	0.439	0.437
25_2_108	MW-17A	Appendix III	Chloride	mg/l	0%	4	0	2	3	9	0.194	0.177	0.179	4	0	2	3	9	0.194	0.177	0.179
25_2_112	MW-17A	Appendix III	Fluoride	mg/l	33%	4	0	2	3	9	0.741	0.606	0.547	3	0	2	1	6	0.538	0.881	0.899
25_2_120	MW-17A	Appendix III	pH, Field	su	0%	5	0	2	4	11	0.252	0.519	0.519	5	0	2	4	11	0.252	0.519	0.519
25_2_124	MW-17A	Appendix III	Sulfate	mg/l	0%	4	0	2	3	9	0.243	0.266	0.273	4	0	2	3	9	0.243	0.266	0.273
25_2_126	MW-17A	Appendix III	Total Dissolved Solids	mg/l	0%	4	0	2	3	9	0.988	0.763	0.750	4	0	2	3	9	0.988	0.763	0.750
25_3_101	MW-17A	Appendix IV	Antimony	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
25_3_102	MW-17A	Appendix IV	Arsenic	mg/l	11%	4	0	2	3	9	0.744	0.754	0.809	4	0	2	2	8	0.759	0.749	0.789
25_3_103	MW-17A	Appendix IV	Barium	mg/l	0%	4	0	2	3	9	0.805	0.646	0.693	4	0	2	3	9	0.805	0.646	0.693
25_3_104	MW-17A	Appendix IV	Beryllium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
25_3_106	MW-17A	Appendix IV	Cadmium	mg/l	89%	4	0	2	3	9	0.435	0.375	0.315	0	0	1	0	1	NA	NA	NA
25_3_109	MW-17A	Appendix IV	Chromium	mg/l	100%	4	0	2	3	9	0.268	0.376	0.280	NA	NA	NA	NA	NA	NA	NA	NA
25_3_110	MW-17A	Appendix IV	Cobalt	mg/l	78%	4	0	2	3	9	0.570	0.358	0.399	1	0	1	0	2	0.317	NA	NA
25_3_113	MW-17A	Appendix IV	Fluoride (App IV)	mg/l	33%	4	0	2	3	9	0.741	0.606	0.547	3	0	2	1	6	0.538	0.881	0.899
25_3_115	MW-17A	Appendix IV	Lead	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
25_3_116	MW-17A	Appendix IV	Lithium	mg/l	0%	4	0	2	3	9	0.648	0.890	0.906	4	0	2	3	9	0.648	0.890	0.906
25_3_117	MW-17A	Appendix IV	Mercury	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
25_3_118	MW-17A	Appendix IV	Molybdenum	mg/l	0%	4	0	2	3	9	0.132	0.381	0.303	4	0	2	3	9	0.132	0.381	0.303
25_3_121	MW-17A	Appendix IV	Radium-226+228	pci/l	22%	4	0	2	3	9	0.511	0.698	0.761	2	0	2	3	7	0.507	0.418	0.535
25_3_122	MW-17A	Appendix IV	Selenium	mg/l	89%	4	0	2	3	9	0.510	0.365	0.380	0	0	1	0	1	NA	NA	NA
25_3_125	MW-17A	Appendix IV	Thallium	mg/l	89%	4	0	2	3	9	0.510	0.426	0.478	0	0	1	0	1	NA	NA	NA
25_5_111	MW-17A	Part 115	Copper	mg/l	100%	4	0	2	3	9	0.268	0.381	0.288	NA	NA	NA	NA	NA	NA	NA	NA
25_5_114	MW-17A	Part 115	Iron	mg/l	0%	4	0	2	3	9	0.664	0.335	0.368	4	0	2	3	9	0.664	0.335	0.368
25_5_119	MW-17A	Part 115	Nickel	mg/l	11%	4	0	2	3	9	0.457	0.543	0.682	4	0	2	2	8	0.066	0.028 *	0.020 *
25_5_123	MW-17A	Part 115	Silver	mg/l	100%	4	0	2	3	9	0.268	0.369	0.276	NA	NA	NA	NA	NA	NA	NA	NA
25_5_128	MW-17A	Part 115	Vanadium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
25_5_129	MW-17A	Part 115	Zinc	mg/l	44%	4	0	2	3	9	0.573	0.596	0.593	2	0	2	1	5	0.368	0.636	0.751
26_2_105	MW-17B	Appendix III	Boron	mg/l	0%	4	0	2	3	9	0.657	0.426	0.452	4	0	2	3	9	0.657	0.426	0.452
26_2_107	MW-17B	Appendix III	Calcium	mg/l	0%	4	0	2	3	9	0.254	0.411	0.406	4	0	2	3	9	0.254	0.411	0.406
26_2_108	MW-17B	Appendix III	Chloride	mg/l	0%	4	0	2	3	9	0.441	0.507	0.506	4	0	2	3	9	0.441	0.507	0.506
26_2_112	MW-17B	Appendix III	Fluoride	mg/l	22%	4	0	2	3	9	0.233	0.757	0.728	4	0	2	1	7	0.090	0.427	0.541
26_2_120	MW-17B	Appendix III	pH, Field	su	0%	5	0	2	4	11	0.600	0.740	0.726	5	0	2	4	11	0.600	0.740	0.726
26_2_124	MW-17B	Appendix III	Sulfate	mg/l	0%	4	0	2	3	9	0.893	0.594	0.656	4	0	2	3	9	0.893	0.594	0.656
26_2_126	MW-17B	Appendix III	Total Dissolved Solids	mg/l	0%	4	0	2	3	9	0.342	0.450	0.452	4	0	2	3	9	0.342	0.450	0.452
26_3_101	MW-17B	Appendix IV	Antimony	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
26_3_102	MW-17B	Appendix IV	Arsenic	mg/l	11%	4	0	2	3	9	0.460	0.116	0.131	4	0	2	2	8	0.499	0.189	0.208

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
26_3_103	MW-17B	Appendix IV	Barium	mg/l	0%	4	0	2	3	9	0.331	0.378	0.356	4	0	2	3	9	0.331	0.378	0.356
26_3_104	MW-17B	Appendix IV	Beryllium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
26_3_106	MW-17B	Appendix IV	Cadmium	mg/l	89%	4	0	2	3	9	0.435	0.373	0.296	0	0	1	0	1	NA	NA	NA
26_3_109	MW-17B	Appendix IV	Chromium	mg/l	100%	4	0	2	3	9	0.268	0.376	0.280	NA	NA	NA	NA	NA	NA	NA	NA
26_3_110	MW-17B	Appendix IV	Cobalt	mg/l	56%	4	0	2	3	9	0.258	0.355	0.349	3	0	1	0	4	0.180	0.506	0.450
26_3_113	MW-17B	Appendix IV	Fluoride (App IV)	mg/l	22%	4	0	2	3	9	0.233	0.757	0.728	4	0	2	1	7	0.090	0.427	0.541
26_3_115	MW-17B	Appendix IV	Lead	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
26_3_116	MW-17B	Appendix IV	Lithium	mg/l	0%	4	0	2	3	9	0.866	0.960	0.870	4	0	2	3	9	0.866	0.960	0.870
26_3_117	MW-17B	Appendix IV	Mercury	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
26_3_118	MW-17B	Appendix IV	Molybdenum	mg/l	0%	4	0	2	3	9	0.737	0.519	0.470	4	0	2	3	9	0.737	0.519	0.470
26_3_121	MW-17B	Appendix IV	Radium-226+228	pci/l	22%	4	0	2	3	9	0.301	0.149	0.195	2	0	2	3	7	0.368	0.313	0.354
26_3_122	MW-17B	Appendix IV	Selenium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
26_3_125	MW-17B	Appendix IV	Thallium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
26_5_111	MW-17B	Part 115	Copper	mg/l	100%	4	0	2	3	9	0.268	0.381	0.288	NA	NA	NA	NA	NA	NA	NA	NA
26_5_114	MW-17B	Part 115	Iron	mg/l	0%	4	0	2	3	9	0.352	0.414	0.414	4	0	2	3	9	0.352	0.414	0.414
26_5_119	MW-17B	Part 115	Nickel	mg/l	33%	4	0	2	3	9	0.640	0.422	0.452	3	0	2	1	6	0.304	0.372	0.334
26_5_123	MW-17B	Part 115	Silver	mg/l	100%	4	0	2	3	9	0.268	0.369	0.276	NA	NA	NA	NA	NA	NA	NA	NA
26_5_128	MW-17B	Part 115	Vanadium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
26_5_129	MW-17B	Part 115	Zinc	mg/l	33%	4	0	2	3	9	0.168	0.296	0.158	3	0	2	1	6	0.117	0.390	0.093
27_2_105	MW-17C	Appendix III	Boron	mg/l	0%	4	0	2	3	9	0.116	0.055	0.082	4	0	2	3	9	0.116	0.055	0.082
27_2_107	MW-17C	Appendix III	Calcium	mg/l	0%	4	0	2	3	9	0.055	0.032 *	0.027 *	4	0	2	3	9	0.055	0.032 *	0.027 *
27_2_108	MW-17C	Appendix III	Chloride	mg/l	0%	4	0	2	3	9	0.278	0.162	0.191	4	0	2	3	9	0.278	0.162	0.191
27_2_112	MW-17C	Appendix III	Fluoride	mg/l	22%	4	0	2	3	9	1.000	0.764	0.849	3	0	2	2	7	0.721	0.591	0.576
27_2_120	MW-17C	Appendix III	pH, Field	su	0%	5	0	2	4	11	0.111	0.133	0.141	5	0	2	4	11	0.111	0.133	0.141
27_2_124	MW-17C	Appendix III	Sulfate	mg/l	0%	4	0	2	3	9	0.029 *	0.011 *	0.017 *	4	0	2	3	9	0.029 *	0.011 *	0.017 *
27_2_126	MW-17C	Appendix III	Total Dissolved Solids	mg/l	0%	4	0	2	3	9	0.083	0.029 *	0.026 *	4	0	2	3	9	0.083	0.029 *	0.026 *
27_3_101	MW-17C	Appendix IV	Antimony	mg/l	89%	4	0	2	3	9	0.329	0.355	0.354	1	0	0	0	1	NA	NA	NA
27_3_102	MW-17C	Appendix IV	Arsenic	mg/l	0%	4	0	2	3	9	0.101	0.137	0.090	4	0	2	3	9	0.101	0.137	0.090
27_3_103	MW-17C	Appendix IV	Barium	mg/l	0%	4	0	2	3	9	0.705	0.672	0.690	4	0	2	3	9	0.705	0.672	0.690
27_3_104	MW-17C	Appendix IV	Beryllium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
27_3_106	MW-17C	Appendix IV	Cadmium	mg/l	100%	4	0	2	3	9	0.268	0.372	0.276	NA	NA	NA	NA	NA	NA	NA	NA
27_3_109	MW-17C	Appendix IV	Chromium	mg/l	100%	4	0	2	3	9	0.268	0.376	0.280	NA	NA	NA	NA	NA	NA	NA	NA
27_3_110	MW-17C	Appendix IV	Cobalt	mg/l	44%	4	0	2	3	9	0.320	0.355	0.357	3	0	1	1	5	0.344	0.725	0.677
27_3_113	MW-17C	Appendix IV	Fluoride (App IV)	mg/l	22%	4	0	2	3	9	1.000	0.764	0.849	3	0	2	2	7	0.721	0.591	0.576
27_3_115	MW-17C	Appendix IV	Lead	mg/l	67%	4	0	2	3	9	0.223	0.343	0.306	0	0	2	1	3	1.000	0.758	0.751
27_3_116	MW-17C	Appendix IV	Lithium	mg/l	0%	4	0	2	3	9	0.189	0.088	0.110	4	0	2	3	9	0.189	0.088	0.110
27_3_117	MW-17C	Appendix IV	Mercury	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
27_3_118	MW-17C	Appendix IV	Molybdenum	mg/l	0%	4	0	2	3	9	0.066	0.061	0.041 *	4	0	2	3	9	0.066	0.061	0.041 *
27_3_121	MW-17C	Appendix IV	Radium-226+228	pci/l	0%	4	0	2	3	9	0.287	0.569	0.419	4	0	2	3	9	0.287	0.569	0.419

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
27_3_122	MW-17C	Appendix IV	Selenium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
27_3_125	MW-17C	Appendix IV	Thallium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
27_5_111	MW-17C	Part 115	Copper	mg/l	100%	4	0	2	3	9	0.268	0.381	0.288	NA	NA	NA	NA	NA	NA	NA	NA
27_5_114	MW-17C	Part 115	Iron	mg/l	0%	4	0	2	3	9	0.103	0.051	0.113	4	0	2	3	9	0.103	0.051	0.113
27_5_119	MW-17C	Part 115	Nickel	mg/l	11%	4	0	2	3	9	0.146	0.359	0.262	4	0	2	2	8	0.205	0.253	0.273
27_5_123	MW-17C	Part 115	Silver	mg/l	100%	4	0	2	3	9	0.268	0.369	0.276	NA	NA	NA	NA	NA	NA	NA	NA
27_5_128	MW-17C	Part 115	Vanadium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
27_5_129	MW-17C	Part 115	Zinc	mg/l	44%	4	0	2	3	9	0.435	0.565	0.284	3	0	2	0	5	0.248	0.468	0.291
28_2_105	MW-18A	Appendix III	Boron	mg/l	0%	4	2	2	2	10	0.429	0.365	0.448	4	2	2	2	10	0.429	0.365	0.448
28_2_107	MW-18A	Appendix III	Calcium	mg/l	0%	4	2	2	2	10	0.067	0.174	0.247	4	2	2	2	10	0.067	0.174	0.247
28_2_108	MW-18A	Appendix III	Chloride	mg/l	0%	4	2	2	2	10	0.440	0.369	0.310	4	2	2	2	10	0.440	0.369	0.310
28_2_112	MW-18A	Appendix III	Fluoride	mg/l	0%	4	2	2	2	10	0.289	0.468	0.537	4	2	2	2	10	0.289	0.468	0.537
28_2_120	MW-18A	Appendix III	pH, Field	su	0%	5	2	2	3	12	0.165	0.166	0.171	5	2	2	3	12	0.165	0.166	0.171
28_2_124	MW-18A	Appendix III	Sulfate	mg/l	0%	4	2	2	2	10	0.503	0.359	0.300	4	2	2	2	10	0.503	0.359	0.300
28_2_126	MW-18A	Appendix III	Total Dissolved Solids	mg/l	0%	4	2	2	2	10	0.090	0.124	0.144	4	2	2	2	10	0.090	0.124	0.144
28_3_101	MW-18A	Appendix IV	Antimony	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
28_3_102	MW-18A	Appendix IV	Arsenic	mg/l	40%	4	2	2	2	10	0.194	0.503	0.267	3	1	2	0	6	0.117	0.408	0.175
28_3_103	MW-18A	Appendix IV	Barium	mg/l	0%	4	2	2	2	10	0.245	0.240	0.311	4	2	2	2	10	0.245	0.240	0.311
28_3_104	MW-18A	Appendix IV	Beryllium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
28_3_106	MW-18A	Appendix IV	Cadmium	mg/l	100%	4	2	2	2	10	0.099	0.196	0.047 *	NA	NA	NA	NA	NA	NA	NA	NA
28_3_109	MW-18A	Appendix IV	Chromium	mg/l	100%	4	2	2	2	10	0.099	0.203	0.055	NA	NA	NA	NA	NA	NA	NA	NA
28_3_110	MW-18A	Appendix IV	Cobalt	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
28_3_113	MW-18A	Appendix IV	Fluoride (App IV)	mg/l	0%	4	2	2	2	10	0.289	0.468	0.537	4	2	2	2	10	0.289	0.468	0.537
28_3_115	MW-18A	Appendix IV	Lead	mg/l	80%	4	2	2	2	10	0.180	0.085	0.086	0	1	1	0	2	0.317	NA	NA
28_3_116	MW-18A	Appendix IV	Lithium	mg/l	0%	4	2	2	2	10	0.440	0.164	0.203	4	2	2	2	10	0.440	0.164	0.203
28_3_117	MW-18A	Appendix IV	Mercury	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
28_3_118	MW-18A	Appendix IV	Molybdenum	mg/l	10%	4	2	2	2	10	0.259	0.461	0.372	4	2	2	1	9	0.076	0.076	0.108
28_3_121	MW-18A	Appendix IV	Radium-226+228	pci/l	20%	4	2	2	2	10	0.708	0.492	0.618	2	2	2	2	8	0.919	0.689	0.766
28_3_122	MW-18A	Appendix IV	Selenium	mg/l	90%	4	2	2	2	10	0.180	0.097	0.115	0	1	0	0	1	NA	NA	NA
28_3_125	MW-18A	Appendix IV	Thallium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
28_5_111	MW-18A	Part 115	Copper	mg/l	90%	4	2	2	2	10	0.146	0.213	0.072	0	0	1	0	1	NA	NA	NA
28_5_114	MW-18A	Part 115	Iron	mg/l	0%	4	2	2	2	10	0.072	0.038 *	0.204	4	2	2	2	10	0.072	0.038 *	0.204
28_5_119	MW-18A	Part 115	Nickel	mg/l	100%	4	2	2	2	10	0.099	0.209	0.062	NA	NA	NA	NA	NA	NA	NA	NA
28_5_123	MW-18A	Part 115	Silver	mg/l	100%	4	2	2	2	10	0.099	0.192	0.045 *	NA	NA	NA	NA	NA	NA	NA	NA
28_5_128	MW-18A	Part 115	Vanadium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
28_5_129	MW-18A	Part 115	Zinc	mg/l	70%	4	2	2	2	10	0.303	0.602	0.323	1	1	1	0	3	0.368	NA	NA
29_2_105	MW-18B	Appendix III	Boron	mg/l	0%	4	2	2	2	10	0.371	0.427	0.400	4	2	2	2	10	0.371	0.427	0.400
29_2_107	MW-18B	Appendix III	Calcium	mg/l	0%	4	2	2	2	10	0.132	0.142	0.160	4	2	2	2	10	0.132	0.142	0.160
29_2_108	MW-18B	Appendix III	Chloride	mg/l	0%	4	2	2	2	10	0.406	0.357	0.350	4	2	2	2	10	0.406	0.357	0.350

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
29_2_112	MW-18B	Appendix III	Fluoride	mg/l	10%	4	2	2	2	10	0.198	0.579	0.375	3	2	2	2	9	0.158	0.312	0.379
29_2_120	MW-18B	Appendix III	pH, Field	su	0%	5	2	2	3	12	0.726	0.768	0.770	5	2	2	3	12	0.726	0.768	0.770
29_2_124	MW-18B	Appendix III	Sulfate	mg/l	0%	4	2	2	2	10	0.074	0.110	0.158	4	2	2	2	10	0.074	0.110	0.158
29_2_126	MW-18B	Appendix III	Total Dissolved Solids	mg/l	0%	4	2	2	2	10	0.196	0.246	0.252	4	2	2	2	10	0.196	0.246	0.252
29_3_101	MW-18B	Appendix IV	Antimony	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
29_3_102	MW-18B	Appendix IV	Arsenic	mg/l	80%	4	2	2	2	10	0.146	0.085	0.064	0	0	1	1	2	0.317	NA	NA
29_3_103	MW-18B	Appendix IV	Barium	mg/l	0%	4	2	2	2	10	0.646	0.641	0.653	4	2	2	2	10	0.646	0.641	0.653
29_3_104	MW-18B	Appendix IV	Beryllium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
29_3_106	MW-18B	Appendix IV	Cadmium	mg/l	100%	4	2	2	2	10	0.099	0.196	0.047 *	NA	NA	NA	NA	NA	NA	NA	NA
29_3_109	MW-18B	Appendix IV	Chromium	mg/l	100%	4	2	2	2	10	0.099	0.203	0.055	NA	NA	NA	NA	NA	NA	NA	NA
29_3_110	MW-18B	Appendix IV	Cobalt	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
29_3_113	MW-18B	Appendix IV	Fluoride (App IV)	mg/l	10%	4	2	2	2	10	0.198	0.579	0.375	3	2	2	2	9	0.158	0.312	0.379
29_3_115	MW-18B	Appendix IV	Lead	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
29_3_116	MW-18B	Appendix IV	Lithium	mg/l	0%	4	2	2	2	10	0.863	0.745	0.727	4	2	2	2	10	0.863	0.745	0.727
29_3_117	MW-18B	Appendix IV	Mercury	mg/l	91%	5	2	2	2	11	0.179	0.409	0.786	1	0	0	0	1	NA	NA	NA
29_3_118	MW-18B	Appendix IV	Molybdenum	mg/l	0%	4	2	2	2	10	0.594	0.657	0.655	4	2	2	2	10	0.594	0.657	0.655
29_3_121	MW-18B	Appendix IV	Radium-226+228	pci/l	0%	4	2	2	2	10	0.155	0.075	0.134	4	2	2	2	10	0.155	0.075	0.134
29_3_122	MW-18B	Appendix IV	Selenium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
29_3_125	MW-18B	Appendix IV	Thallium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
29_5_111	MW-18B	Part 115	Copper	mg/l	100%	4	2	2	2	10	0.099	0.212	0.068	NA	NA	NA	NA	NA	NA	NA	NA
29_5_114	MW-18B	Part 115	Iron	mg/l	0%	4	2	2	2	10	0.999	0.986	0.978	4	2	2	2	10	0.999	0.986	0.978
29_5_119	MW-18B	Part 115	Nickel	mg/l	10%	4	2	2	2	10	0.541	0.347	0.462	4	2	2	1	9	0.272	0.313	0.373
29_5_123	MW-18B	Part 115	Silver	mg/l	100%	4	2	2	2	10	0.099	0.192	0.045 *	NA	NA	NA	NA	NA	NA	NA	NA
29_5_128	MW-18B	Part 115	Vanadium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
29_5_129	MW-18B	Part 115	Zinc	mg/l	70%	4	2	2	2	10	0.177	0.488	0.218	1	0	2	0	3	0.221	0.220	0.315
30_2_105	MW-19A	Appendix III	Boron	mg/l	0%	3	1	3	2	9	0.410	0.671	0.681	3	1	3	2	9	0.410	0.671	0.681
30_2_107	MW-19A	Appendix III	Calcium	mg/l	0%	3	1	3	2	9	0.187	0.178	0.176	3	1	3	2	9	0.187	0.178	0.176
30_2_108	MW-19A	Appendix III	Chloride	mg/l	0%	3	1	3	2	9	0.409	0.475	0.477	3	1	3	2	9	0.409	0.475	0.477
30_2_112	MW-19A	Appendix III	Fluoride	mg/l	0%	3	1	3	2	9	0.578	0.767	0.780	3	1	3	2	9	0.578	0.767	0.780
30_2_120	MW-19A	Appendix III	pH, Field	su	0%	3	1	3	2	9	0.399	0.451	0.450	3	1	3	2	9	0.399	0.451	0.450
30_2_124	MW-19A	Appendix III	Sulfate	mg/l	0%	3	1	3	2	9	0.200	0.100	0.101	3	1	3	2	9	0.200	0.100	0.101
30_2_126	MW-19A	Appendix III	Total Dissolved Solids	mg/l	0%	3	1	3	2	9	0.229	0.353	0.363	3	1	3	2	9	0.229	0.353	0.363
30_3_101	MW-19A	Appendix IV	Antimony	mg/l	89%	3	1	3	2	9	0.572	0.667	0.667	0	0	1	0	1	NA	NA	NA
30_3_102	MW-19A	Appendix IV	Arsenic	mg/l	0%	3	1	3	2	9	0.127	0.021 *	0.014 *	3	1	3	2	9	0.127	0.021 *	0.014 *
30_3_103	MW-19A	Appendix IV	Barium	mg/l	0%	3	1	3	2	9	0.281	0.059	0.077	3	1	3	2	9	0.281	0.059	0.077
30_3_104	MW-19A	Appendix IV	Beryllium	mg/l	100%	3	1	3	2	9	NA	NA	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA
30_3_106	MW-19A	Appendix IV	Cadmium	mg/l	56%	3	1	3	2	9	0.131	0.091	0.075	0	1	1	2	4	0.325	0.611	0.503
30_3_109	MW-19A	Appendix IV	Chromium	mg/l	100%	3	1	3	2	9	NA	0.000 ***	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA
30_3_110	MW-19A	Appendix IV	Cobalt	mg/l	44%	3	1	3	2	9	0.138	0.000 ***	0.002 **	0	1	3	1	5	0.202	0.001 ***	0.004 **

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
30_3_113	MW-19A	Appendix IV	Fluoride (App IV)	mg/l	0%	3	1	3	2	9	0.578	0.767	0.780	3	1	3	2	9	0.578	0.767	0.780
30_3_115	MW-19A	Appendix IV	Lead	mg/l	100%	3	1	3	2	9	NA	0.000 ***	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA
30_3_116	MW-19A	Appendix IV	Lithium	mg/l	0%	3	1	3	2	9	0.276	0.342	0.352	3	1	3	2	9	0.276	0.342	0.352
30_3_117	MW-19A	Appendix IV	Mercury	mg/l	100%	3	1	3	2	9	NA	NA	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA
30_3_118	MW-19A	Appendix IV	Molybdenum	mg/l	0%	3	1	3	2	9	0.110	0.057	0.061	3	1	3	2	9	0.110	0.057	0.061
30_3_121	MW-19A	Appendix IV	Radium-226+228	pci/l	44%	3	1	3	2	9	0.143	0.078	0.056	2	1	1	1	5	0.284	0.239	0.202
30_3_122	MW-19A	Appendix IV	Selenium	mg/l	89%	3	1	3	2	9	0.321	0.372	0.372	0	0	0	1	1	NA	NA	NA
30_3_125	MW-19A	Appendix IV	Thallium	mg/l	78%	3	1	3	2	9	0.321	0.372	0.372	0	0	1	1	2	0.317	NA	NA
30_5_111	MW-19A	Part 115	Copper	mg/l	100%	3	1	3	2	9	NA	0.000 ***	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA
30_5_114	MW-19A	Part 115	Iron	mg/l	0%	3	1	3	2	9	0.350	0.640	0.617	3	1	3	2	9	0.350	0.640	0.617
30_5_119	MW-19A	Part 115	Nickel	mg/l	0%	3	1	3	2	9	0.183	0.221	0.207	3	1	3	2	9	0.183	0.221	0.207
30_5_123	MW-19A	Part 115	Silver	mg/l	100%	3	1	3	2	9	NA	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA	NA
30_5_128	MW-19A	Part 115	Vanadium	mg/l	100%	3	1	3	2	9	NA	NA	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA
30_5_129	MW-19A	Part 115	Zinc	mg/l	89%	3	1	3	2	9	0.046 *	0.000 ***	0.000 ***	0	1	0	0	1	NA	NA	NA
31_2_105	MW-19B	Appendix III	Boron	mg/l	0%	3	1	3	2	9	0.102	0.049 *	0.055	3	1	3	2	9	0.102	0.049 *	0.055
31_2_107	MW-19B	Appendix III	Calcium	mg/l	0%	3	1	3	2	9	0.574	0.622	0.625	3	1	3	2	9	0.574	0.622	0.625
31_2_108	MW-19B	Appendix III	Chloride	mg/l	0%	3	1	3	2	9	0.104	0.005 **	0.004 **	3	1	3	2	9	0.104	0.005 **	0.004 **
31_2_112	MW-19B	Appendix III	Fluoride	mg/l	0%	3	1	3	2	9	0.407	0.407	0.375	3	1	3	2	9	0.407	0.407	0.375
31_2_120	MW-19B	Appendix III	pH, Field	su	0%	3	1	3	2	9	0.739	0.741	0.738	3	1	3	2	9	0.739	0.741	0.738
31_2_124	MW-19B	Appendix III	Sulfate	mg/l	0%	3	1	3	2	9	0.120	0.071	0.072	3	1	3	2	9	0.120	0.071	0.072
31_2_126	MW-19B	Appendix III	Total Dissolved Solids	mg/l	0%	3	1	3	2	9	0.703	0.667	0.663	3	1	3	2	9	0.703	0.667	0.663
31_3_101	MW-19B	Appendix IV	Antimony	mg/l	100%	3	1	3	2	9	NA	0.000 ***	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA
31_3_102	MW-19B	Appendix IV	Arsenic	mg/l	0%	3	1	3	2	9	0.138	0.231	0.211	3	1	3	2	9	0.138	0.231	0.211
31_3_103	MW-19B	Appendix IV	Barium	mg/l	0%	3	1	3	2	9	0.394	0.507	0.514	3	1	3	2	9	0.394	0.507	0.514
31_3_104	MW-19B	Appendix IV	Beryllium	mg/l	100%	3	1	3	2	9	NA	NA	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA
31_3_106	MW-19B	Appendix IV	Cadmium	mg/l	56%	3	1	3	2	9	0.231	0.189	0.200	0	1	2	1	4	0.407	0.618	0.578
31_3_109	MW-19B	Appendix IV	Chromium	mg/l	100%	3	1	3	2	9	NA	0.000 ***	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA
31_3_110	MW-19B	Appendix IV	Cobalt	mg/l	56%	3	1	3	2	9	0.292	0.239	0.226	1	1	2	0	4	0.259	0.351	0.298
31_3_113	MW-19B	Appendix IV	Fluoride (App IV)	mg/l	0%	3	1	3	2	9	0.407	0.407	0.375	3	1	3	2	9	0.407	0.407	0.375
31_3_115	MW-19B	Appendix IV	Lead	mg/l	100%	3	1	3	2	9	NA	0.000 ***	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA
31_3_116	MW-19B	Appendix IV	Lithium	mg/l	0%	3	1	3	2	9	0.330	0.449	0.460	3	1	3	2	9	0.330	0.449	0.460
31_3_117	MW-19B	Appendix IV	Mercury	mg/l	100%	3	1	3	2	9	NA	NA	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA
31_3_118	MW-19B	Appendix IV	Molybdenum	mg/l	0%	3	1	3	2	9	0.138	0.516	0.400	3	1	3	2	9	0.138	0.516	0.400
31_3_121	MW-19B	Appendix IV	Radium-226+228	pci/l	22%	3	1	3	2	9	0.461	0.748	0.724	3	1	2	1	7	0.258	0.428	0.437
31_3_122	MW-19B	Appendix IV	Selenium	mg/l	100%	3	1	3	2	9	NA	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA	NA
31_3_125	MW-19B	Appendix IV	Thallium	mg/l	78%	3	1	3	2	9	0.280	0.348	0.339	0	1	1	0	2	0.317	NA	NA
31_5_111	MW-19B	Part 115	Copper	mg/l	100%	3	1	3	2	9	NA	0.000 ***	0.000 ***	NA	NA	NA	NA	NA	NA	NA	NA
31_5_114	MW-19B	Part 115	Iron	mg/l	0%	3	1	3	2	9	0.147	0.091	0.073	3	1	3	2	9	0.147	0.091	0.073
31_5_119	MW-19B	Part 115	Nickel	mg/l	0%	3	1	3	2	9	0.400	0.667	0.659	3	1	3	2	9	0.400	0.667	0.659

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full									Without Non-Detects								
						Sample Size					p-Value				Sample Size					p-Value			
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis		ANOVA		Log ANOVA		Winter	Spring	Summer	Fall	Total	Kruskal-Wallis		ANOVA		Log ANOVA	
31_5_123	MW-19B	Part 115	Silver	mg/l	100%	3	1	3	2	9	NA		0.000	***	NA		NA	NA	NA	NA	NA	NA		NA		NA	
31_5_128	MW-19B	Part 115	Vanadium	mg/l	100%	3	1	3	2	9	NA		NA		0.000	***	NA	NA	NA	NA	NA	NA		NA		NA	
31_5_129	MW-19B	Part 115	Zinc	mg/l	100%	3	1	3	2	9	NA		0.000	***	0.000	***	NA	NA	NA	NA	NA	NA		NA		NA	
32_2_105	MW-100A	Appendix III	Boron	mg/l	17%	4	0	5	3	12	0.702		0.676		0.677		3	0	4	3	10	0.961		0.913		0.903	
32_2_107	MW-100A	Appendix III	Calcium	mg/l	0%	4	0	5	3	12	0.045	*	0.034	*	0.035	*	4	0	5	3	12	0.045	*	0.034	*	0.035	*
32_2_108	MW-100A	Appendix III	Chloride	mg/l	0%	4	0	5	3	12	0.187		0.309		0.302		4	0	5	3	12	0.187		0.309		0.302	
32_2_112	MW-100A	Appendix III	Fluoride	mg/l	58%	4	0	5	3	12	0.184		0.185		0.219		3	0	2	0	5	1.000		0.859		0.766	
32_2_120	MW-100A	Appendix III	pH, Field	su	0%	4	0	5	3	12	0.236		0.313		0.316		4	0	5	3	12	0.236		0.313		0.316	
32_2_124	MW-100A	Appendix III	Sulfate	mg/l	0%	4	0	5	3	12	0.066		0.046	*	0.048	*	4	0	5	3	12	0.066		0.046	*	0.048	*
32_2_126	MW-100A	Appendix III	Total Dissolved Solids	mg/l	0%	4	0	5	3	12	0.201		0.527		0.551		4	0	5	3	12	0.201		0.527		0.551	
32_3_101	MW-100A	Appendix IV	Antimony	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
32_3_102	MW-100A	Appendix IV	Arsenic	mg/l	0%	4	0	5	3	12	0.212		0.202		0.200		4	0	5	3	12	0.212		0.202		0.200	
32_3_103	MW-100A	Appendix IV	Barium	mg/l	0%	4	0	5	3	12	0.152		0.125		0.125		4	0	5	3	12	0.152		0.125		0.125	
32_3_104	MW-100A	Appendix IV	Beryllium	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
32_3_106	MW-100A	Appendix IV	Cadmium	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
32_3_109	MW-100A	Appendix IV	Chromium	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
32_3_110	MW-100A	Appendix IV	Cobalt	mg/l	75%	4	0	5	3	12	0.342		0.370		0.388		2	0	1	0	3	1.000		0.758		0.781	
32_3_113	MW-100A	Appendix IV	Fluoride (App IV)	mg/l	58%	4	0	5	3	12	0.184		0.185		0.219		3	0	2	0	5	1.000		0.859		0.766	
32_3_115	MW-100A	Appendix IV	Lead	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
32_3_116	MW-100A	Appendix IV	Lithium	mg/l	0%	4	0	5	3	12	0.092		0.070		0.080		4	0	5	3	12	0.092		0.070		0.080	
32_3_117	MW-100A	Appendix IV	Mercury	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
32_3_118	MW-100A	Appendix IV	Molybdenum	mg/l	0%	4	0	5	3	12	0.086		0.060		0.054		4	0	5	3	12	0.086		0.060		0.054	
32_3_121	MW-100A	Appendix IV	Radium-226+228	pci/l	0%	4	0	5	3	12	0.060		0.032	*	0.032	*	4	0	5	3	12	0.060		0.032	*	0.032	*
32_3_122	MW-100A	Appendix IV	Selenium	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
32_3_125	MW-100A	Appendix IV	Thallium	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
32_5_111	MW-100A	Part 115	Copper	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
32_5_114	MW-100A	Part 115	Iron	mg/l	0%	4	0	5	3	12	0.145		0.209		0.217		4	0	5	3	12	0.145		0.209		0.217	
32_5_119	MW-100A	Part 115	Nickel	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
32_5_123	MW-100A	Part 115	Silver	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
32_5_128	MW-100A	Part 115	Vanadium	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
32_5_129	MW-100A	Part 115	Zinc	mg/l	67%	4	0	5	3	12	0.804		0.757		0.707		3	0	1	0	4	0.180		0.233		0.107	
33_2_105	MW-100B	Appendix III	Boron	mg/l	0%	4	0	5	3	12	0.117		0.104		0.095		4	0	5	3	12	0.117		0.104		0.095	
33_2_107	MW-100B	Appendix III	Calcium	mg/l	0%	4	0	5	3	12	0.028	*	0.023	*	0.022	*	4	0	5	3	12	0.028	*	0.023	*	0.022	*
33_2_108	MW-100B	Appendix III	Chloride	mg/l	0%	4	0	5	3	12	0.110		0.203		0.220		4	0	5	3	12	0.110		0.203		0.220	
33_2_112	MW-100B	Appendix III	Fluoride	mg/l	58%	4	0	5	3	12	0.982		0.993		0.910		2	0	2	1	5	0.165		0.097		0.055	
33_2_120	MW-100B	Appendix III	pH, Field	su	0%	4	0	5	3	12	0.019	*	0.002	**	0.002	**	4	0	5	3	12	0.019	*	0.002	**	0.002	**
33_2_124	MW-100B	Appendix III	Sulfate	mg/l	0%	4	0	5	3	12	0.031	*	0.019	*	0.015	*	4	0	5	3	12	0.031	*	0.019	*	0.015	*
33_2_126	MW-100B	Appendix III	Total Dissolved Solids	mg/l	0%	4	0	5	3	12	0.188		0.291		0.321		4	0	5	3	12	0.188		0.291		0.321	
33_3_101	MW-100B	Appendix IV	Antimony	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
33_3_102	MW-100B	Appendix IV	Arsenic	mg/l	0%	4	0	5	3	12	0.745	0.523	0.451	4	0	5	3	12	0.745	0.523	0.451
33_3_103	MW-100B	Appendix IV	Barium	mg/l	0%	4	0	5	3	12	0.172	0.143	0.140	4	0	5	3	12	0.172	0.143	0.140
33_3_104	MW-100B	Appendix IV	Beryllium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
33_3_106	MW-100B	Appendix IV	Cadmium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
33_3_109	MW-100B	Appendix IV	Chromium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
33_3_110	MW-100B	Appendix IV	Cobalt	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
33_3_113	MW-100B	Appendix IV	Fluoride (App IV)	mg/l	58%	4	0	5	3	12	0.982	0.993	0.910	2	0	2	1	5	0.165	0.097	0.055
33_3_115	MW-100B	Appendix IV	Lead	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
33_3_116	MW-100B	Appendix IV	Lithium	mg/l	0%	4	0	5	3	12	0.699	0.731	0.721	4	0	5	3	12	0.699	0.731	0.721
33_3_117	MW-100B	Appendix IV	Mercury	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
33_3_118	MW-100B	Appendix IV	Molybdenum	mg/l	0%	4	0	5	3	12	0.353	0.451	0.447	4	0	5	3	12	0.353	0.451	0.447
33_3_121	MW-100B	Appendix IV	Radium-226+228	pci/l	8%	4	0	5	3	12	0.190	0.212	0.270	3	0	5	3	11	0.262	0.396	0.489
33_3_122	MW-100B	Appendix IV	Selenium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
33_3_125	MW-100B	Appendix IV	Thallium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
33_5_111	MW-100B	Part 115	Copper	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
33_5_114	MW-100B	Part 115	Iron	mg/l	0%	4	0	5	3	12	0.660	0.533	0.666	4	0	5	3	12	0.660	0.533	0.666
33_5_119	MW-100B	Part 115	Nickel	mg/l	83%	4	0	5	3	12	0.261	0.318	0.286	1	0	1	0	2	0.317	NA	NA
33_5_123	MW-100B	Part 115	Silver	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
33_5_128	MW-100B	Part 115	Vanadium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
33_5_129	MW-100B	Part 115	Zinc	mg/l	92%	4	0	5	3	12	0.421	0.707	0.722	1	0	0	0	1	NA	NA	NA

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 8: Trend Tests: Lognormal MLE and MK

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
11_2_105	MW-2	Appendix III	Boron	mg/l	19	0	0%	Parametric	Lognormal MLE	-0.000223	0.001	↓
11_2_107	MW-2	Appendix III	Calcium	mg/l	19	0	0%	Nonparametric	MK	-0.0437	0.000	↓
11_2_108	MW-2	Appendix III	Chloride	mg/l	19	0	0%	Parametric	Lognormal MLE	-0.0001000	0.011	↔
11_2_120	MW-2	Appendix III	pH, Field	su	22	0	0%	Parametric	Lognormal MLE	-0.000000391	0.927	↔
11_2_124	MW-2	Appendix III	Sulfate	mg/l	19	0	0%	Parametric	Lognormal MLE	-0.000501	0.000	↓
11_2_126	MW-2	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	Parametric	Lognormal MLE	-0.000216	0.000	↓
11_3_103	MW-2	Appendix IV	Barium	mg/l	20	0	0%	Parametric	Lognormal MLE	-0.0000545	0.045	↔
11_3_116	MW-2	Appendix IV	Lithium	mg/l	20	0	0%	Parametric	Lognormal MLE	-0.000236	0.000	↓
11_3_118	MW-2	Appendix IV	Molybdenum	mg/l	20	0	0%	Parametric	Lognormal MLE	-0.0000573	0.429	↔
11_5_114	MW-2	Part 115	Iron	mg/l	20	0	0%	Parametric	Lognormal MLE	-0.000363	0.016	↔
11_5_119	MW-2	Part 115	Nickel	mg/l	20	0	0%	Parametric	Lognormal MLE	-0.000348	0.000	↓
12_2_105	MW-3	Appendix III	Boron	mg/l	11	0	0%	Parametric	Lognormal MLE	-0.0000408	0.108	↔
12_2_107	MW-3	Appendix III	Calcium	mg/l	11	0	0%	Parametric	Lognormal MLE	-0.0000370	0.199	↔
12_2_108	MW-3	Appendix III	Chloride	mg/l	11	0	0%	Parametric	Lognormal MLE	0.0000126	0.620	↔
12_2_120	MW-3	Appendix III	pH, Field	su	13	0	0%	Parametric	Lognormal MLE	0.00000277	0.500	↔
12_2_124	MW-3	Appendix III	Sulfate	mg/l	11	0	0%	Parametric	Lognormal MLE	-0.0000337	0.058	↔
12_2_126	MW-3	Appendix III	Total Dissolved Solids	mg/l	11	0	0%	Nonparametric	MK	-0.109	0.001	↓
12_3_102	MW-3	Appendix IV	Arsenic	mg/l	11	0	0%	Nonparametric	MK	0	0.797	↔
12_3_103	MW-3	Appendix IV	Barium	mg/l	11	0	0%	Parametric	Lognormal MLE	-0.000229	0.000	↓
12_3_116	MW-3	Appendix IV	Lithium	mg/l	11	0	0%	Parametric	Lognormal MLE	-0.0000616	0.029	↔
12_3_118	MW-3	Appendix IV	Molybdenum	mg/l	11	0	0%	Parametric	Lognormal MLE	-0.0000435	0.154	↔
12_3_121	MW-3	Appendix IV	Radium-226+228	pci/l	11	3	27%	Parametric	Lognormal MLE	-0.000992	0.011	↔
12_5_114	MW-3	Part 115	Iron	mg/l	11	0	0%	Parametric	Lognormal MLE	-0.000172	0.000	↓
13_2_105	MW-5	Appendix III	Boron	mg/l	19	0	0%	Parametric	Lognormal MLE	-0.000231	0.204	↔
13_2_107	MW-5	Appendix III	Calcium	mg/l	19	0	0%	Parametric	Lognormal MLE	-0.000381	0.000	↓
13_2_108	MW-5	Appendix III	Chloride	mg/l	19	0	0%	Nonparametric	MK	-0.0231	0.000	↓
13_2_120	MW-5	Appendix III	pH, Field	su	22	0	0%	Nonparametric	MK	-0.0000148	0.756	↔
13_2_124	MW-5	Appendix III	Sulfate	mg/l	19	0	0%	Parametric	Lognormal MLE	-0.000664	0.000	↓
13_2_126	MW-5	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	Parametric	Lognormal MLE	-0.000498	0.000	↓
13_3_103	MW-5	Appendix IV	Barium	mg/l	20	0	0%	Parametric	Lognormal MLE	-0.0000764	0.119	↔
13_3_116	MW-5	Appendix IV	Lithium	mg/l	20	0	0%	Parametric	Lognormal MLE	-0.0000442	0.710	↔
13_3_118	MW-5	Appendix IV	Molybdenum	mg/l	20	0	0%	Parametric	Lognormal MLE	0.000192	0.190	↔
13_3_121	MW-5	Appendix IV	Radium-226+228	pci/l	20	3	15%	Parametric	Lognormal MLE	-0.000387	0.117	↔
13_5_114	MW-5	Part 115	Iron	mg/l	20	1	5%	Parametric	Lognormal MLE	-0.000191	0.664	↔
13_5_119	MW-5	Part 115	Nickel	mg/l	20	0	0%	Parametric	Lognormal MLE	-0.000632	0.000	↓
13_5_129	MW-5	Part 115	Zinc	mg/l	20	3	15%	Parametric	Lognormal MLE	-0.000735	0.010	↔
14_2_105	MW-6	Appendix III	Boron	mg/l	19	0	0%	Parametric	Lognormal MLE	0.0000357	0.618	↔
14_2_107	MW-6	Appendix III	Calcium	mg/l	19	0	0%	Parametric	Lognormal MLE	0.0000704	0.032	↔
14_2_108	MW-6	Appendix III	Chloride	mg/l	19	0	0%	Parametric	Lognormal MLE	0.000162	0.009	↑
14_2_120	MW-6	Appendix III	pH, Field	su	22	0	0%	Parametric	Lognormal MLE	-0.00000144	0.817	↔
14_2_124	MW-6	Appendix III	Sulfate	mg/l	19	0	0%	Parametric	Lognormal MLE	0.0000575	0.493	↔
14_2_126	MW-6	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	Parametric	Lognormal MLE	0.0000586	0.116	↔
14_3_103	MW-6	Appendix IV	Barium	mg/l	20	0	0%	Parametric	Lognormal MLE	0.0000472	0.204	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
14_3_116	MW-6	Appendix IV	Lithium	mg/l	20	0	0%	Parametric	Lognormal MLE	0.0000670	0.226	↔
14_3_118	MW-6	Appendix IV	Molybdenum	mg/l	20	0	0%	Parametric	Lognormal MLE	-0.000203	0.012	↔
14_5_114	MW-6	Part 115	Iron	mg/l	20	9	45%	Parametric	Lognormal MLE	-0.000530	0.086	↔
14_5_119	MW-6	Part 115	Nickel	mg/l	20	5	25%	Nonparametric	MK	-0.00000165	0.002	↓
15_2_105	MW-7	Appendix III	Boron	mg/l	16	0	0%	Parametric	Lognormal MLE	-0.0000721	0.435	↔
15_2_107	MW-7	Appendix III	Calcium	mg/l	16	0	0%	Nonparametric	MK	-0.000724	0.649	↔
15_2_108	MW-7	Appendix III	Chloride	mg/l	16	0	0%	Parametric	Lognormal MLE	0.0000770	0.012	↔
15_2_120	MW-7	Appendix III	pH, Field	su	19	0	0%	Parametric	Lognormal MLE	-0.0000205	0.029	↔
15_2_124	MW-7	Appendix III	Sulfate	mg/l	16	0	0%	Parametric	Lognormal MLE	-0.0000142	0.803	↔
15_2_126	MW-7	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	Nonparametric	MK	0.0111	0.620	↔
15_3_102	MW-7	Appendix IV	Arsenic	mg/l	16	0	0%	Parametric	Lognormal MLE	-0.000252	0.004	↓
15_3_103	MW-7	Appendix IV	Barium	mg/l	16	0	0%	Parametric	Lognormal MLE	-0.0000601	0.268	↔
15_3_116	MW-7	Appendix IV	Lithium	mg/l	16	0	0%	Parametric	Lognormal MLE	-0.000181	0.000	↓
15_3_118	MW-7	Appendix IV	Molybdenum	mg/l	16	0	0%	Nonparametric	MK	-0.0000799	0.038	↔
15_3_121	MW-7	Appendix IV	Radium-226+228	pci/l	16	0	0%	Parametric	Lognormal MLE	-0.000552	0.045	↔
15_5_114	MW-7	Part 115	Iron	mg/l	16	0	0%	Parametric	Lognormal MLE	-0.000171	0.118	↔
16_2_105	MW-7C	Appendix III	Boron	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.0000547	0.007	↓
16_2_107	MW-7C	Appendix III	Calcium	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.0000652	0.167	↔
16_2_108	MW-7C	Appendix III	Chloride	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.0000538	0.057	↔
16_2_120	MW-7C	Appendix III	pH, Field	su	17	0	0%	Parametric	Lognormal MLE	0.00000122	0.815	↔
16_2_124	MW-7C	Appendix III	Sulfate	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.0000877	0.000	↓
16_2_126	MW-7C	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.000150	0.000	↓
16_3_102	MW-7C	Appendix IV	Arsenic	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.0000684	0.486	↔
16_3_103	MW-7C	Appendix IV	Barium	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.000120	0.000	↓
16_3_116	MW-7C	Appendix IV	Lithium	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.000132	0.000	↓
16_3_118	MW-7C	Appendix IV	Molybdenum	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.000102	0.000	↓
16_3_121	MW-7C	Appendix IV	Radium-226+228	pci/l	15	1	7%	Parametric	Lognormal MLE	-0.000521	0.103	↔
16_5_114	MW-7C	Part 115	Iron	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.000103	0.056	↔
16_5_119	MW-7C	Part 115	Nickel	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.000165	0.003	↓
17_2_105	MW-8	Appendix III	Boron	mg/l	16	1	6%	Parametric	Lognormal MLE	-0.0000676	0.740	↔
17_2_107	MW-8	Appendix III	Calcium	mg/l	16	0	0%	Parametric	Lognormal MLE	0.0000189	0.514	↔
17_2_108	MW-8	Appendix III	Chloride	mg/l	16	2	12%	Parametric	Lognormal MLE	0.000614	0.103	↔
17_2_120	MW-8	Appendix III	pH, Field	su	16	0	0%	Nonparametric	MK	-0.0000190	0.685	↔
17_2_124	MW-8	Appendix III	Sulfate	mg/l	16	0	0%	Parametric	Lognormal MLE	0.000110	0.588	↔
17_2_126	MW-8	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	Parametric	Lognormal MLE	-0.00000267	0.934	↔
17_3_103	MW-8	Appendix IV	Barium	mg/l	16	0	0%	Parametric	Lognormal MLE	0.0000210	0.711	↔
17_3_116	MW-8	Appendix IV	Lithium	mg/l	16	6	38%	Parametric	Lognormal MLE	0.000103	0.628	↔
17_3_121	MW-8	Appendix IV	Radium-226+228	pci/l	16	0	0%	Parametric	Lognormal MLE	-0.000129	0.772	↔
18_2_107	MW-9	Appendix III	Calcium	mg/l	16	0	0%	Parametric	Lognormal MLE	0.000214	0.000	↑
18_2_120	MW-9	Appendix III	pH, Field	su	16	0	0%	Parametric	Lognormal MLE	-0.00000814	0.427	↔
18_2_126	MW-9	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	Parametric	Lognormal MLE	0.000173	0.000	↑
18_3_103	MW-9	Appendix IV	Barium	mg/l	16	0	0%	Parametric	Lognormal MLE	0.000169	0.000	↑
19_2_105	MW-10	Appendix III	Boron	mg/l	16	1	6%	Parametric	Lognormal MLE	-0.0000855	0.223	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
19_2_107	MW-10	Appendix III	Calcium	mg/l	16	0	0%	Parametric	Lognormal MLE	-0.0000757	0.008	↓
19_2_120	MW-10	Appendix III	pH, Field	su	16	0	0%	Parametric	Lognormal MLE	-0.00000460	0.712	↔
19_2_124	MW-10	Appendix III	Sulfate	mg/l	16	0	0%	Parametric	Lognormal MLE	0.00000464	0.971	↔
19_2_126	MW-10	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	Parametric	Lognormal MLE	-0.0000935	0.020	↔
19_3_103	MW-10	Appendix IV	Barium	mg/l	16	0	0%	Parametric	Lognormal MLE	-0.000216	0.000	↓
19_3_121	MW-10	Appendix IV	Radium-226+228	pci/l	16	0	0%	Parametric	Lognormal MLE	0.000601	0.050	↔
20_2_105	MW-13	Appendix III	Boron	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.00000359	0.961	↔
20_2_107	MW-13	Appendix III	Calcium	mg/l	15	0	0%	Parametric	Lognormal MLE	0.000342	0.000	↑
20_2_108	MW-13	Appendix III	Chloride	mg/l	15	2	13%	Parametric	Lognormal MLE	0.000299	0.471	↔
20_2_120	MW-13	Appendix III	pH, Field	su	15	0	0%	Parametric	Lognormal MLE	-0.0000291	0.077	↔
20_2_124	MW-13	Appendix III	Sulfate	mg/l	15	0	0%	Parametric	Lognormal MLE	0.00140	0.000	↑
20_2_126	MW-13	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	Parametric	Lognormal MLE	0.000411	0.000	↑
20_3_103	MW-13	Appendix IV	Barium	mg/l	15	0	0%	Parametric	Lognormal MLE	0.000450	0.000	↑
20_3_121	MW-13	Appendix IV	Radium-226+228	pci/l	15	1	7%	Parametric	Lognormal MLE	0.0000661	0.910	↔
20_5_114	MW-13	Part 115	Iron	mg/l	15	1	7%	Nonparametric	MK	0.000338	0.003	↑
21_2_105	MW-14	Appendix III	Boron	mg/l	13	0	0%	Parametric	Lognormal MLE	-0.000215	0.000	↓
21_2_107	MW-14	Appendix III	Calcium	mg/l	13	0	0%	Parametric	Lognormal MLE	0.000154	0.000	↑
21_2_108	MW-14	Appendix III	Chloride	mg/l	13	0	0%	Parametric	Lognormal MLE	-0.00000237	0.948	↔
21_2_120	MW-14	Appendix III	pH, Field	su	15	0	0%	Parametric	Lognormal MLE	-0.0000203	0.002	↓
21_2_124	MW-14	Appendix III	Sulfate	mg/l	13	0	0%	Nonparametric	MK	-0.0253	0.000	↓
21_2_126	MW-14	Appendix III	Total Dissolved Solids	mg/l	13	1	8%	Parametric	Lognormal MLE	0.00232	0.378	↔
21_3_102	MW-14	Appendix IV	Arsenic	mg/l	13	0	0%	Parametric	Lognormal MLE	0.000191	0.164	↔
21_3_103	MW-14	Appendix IV	Barium	mg/l	13	0	0%	Parametric	Lognormal MLE	-0.00000496	0.950	↔
21_3_116	MW-14	Appendix IV	Lithium	mg/l	13	0	0%	Parametric	Lognormal MLE	-0.000236	0.000	↓
21_3_118	MW-14	Appendix IV	Molybdenum	mg/l	13	0	0%	Parametric	Lognormal MLE	-0.000225	0.001	↓
21_3_121	MW-14	Appendix IV	Radium-226+228	pci/l	13	2	15%	Parametric	Lognormal MLE	-0.000266	0.691	↔
21_5_114	MW-14	Part 115	Iron	mg/l	13	0	0%	Parametric	Lognormal MLE	0.000493	0.000	↑
21_5_119	MW-14	Part 115	Nickel	mg/l	13	6	46%	Parametric	Lognormal MLE	-0.000241	0.002	↓
22_2_105	MW-15	Appendix III	Boron	mg/l	13	0	0%	Parametric	Lognormal MLE	-0.000186	0.125	↔
22_2_107	MW-15	Appendix III	Calcium	mg/l	13	0	0%	Parametric	Lognormal MLE	-0.0000434	0.680	↔
22_2_108	MW-15	Appendix III	Chloride	mg/l	13	0	0%	Parametric	Lognormal MLE	0.000290	0.015	↔
22_2_120	MW-15	Appendix III	pH, Field	su	13	0	0%	Parametric	Lognormal MLE	-0.0000161	0.203	↔
22_2_124	MW-15	Appendix III	Sulfate	mg/l	13	0	0%	Parametric	Lognormal MLE	-0.000315	0.197	↔
22_2_126	MW-15	Appendix III	Total Dissolved Solids	mg/l	13	0	0%	Parametric	Lognormal MLE	-0.0000737	0.436	↔
22_3_103	MW-15	Appendix IV	Barium	mg/l	13	0	0%	Parametric	Lognormal MLE	-0.00000322	0.980	↔
22_3_121	MW-15	Appendix IV	Radium-226+228	pci/l	13	1	8%	Parametric	Lognormal MLE	-0.000265	0.623	↔
22_3_122	MW-15	Appendix IV	Selenium	mg/l	13	5	38%	Parametric	Lognormal MLE	-0.00109	0.318	↔
22_5_114	MW-15	Part 115	Iron	mg/l	13	1	8%	Parametric	Lognormal MLE	0.00123	0.063	↔
23_2_105	MW-16A	Appendix III	Boron	mg/l	14	0	0%	Parametric	Lognormal MLE	0.000169	0.555	↔
23_2_107	MW-16A	Appendix III	Calcium	mg/l	14	0	0%	Parametric	Lognormal MLE	0.0000184	0.869	↔
23_2_108	MW-16A	Appendix III	Chloride	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.0000546	0.525	↔
23_2_120	MW-16A	Appendix III	pH, Field	su	14	0	0%	Parametric	Lognormal MLE	-0.0000173	0.101	↔
23_2_124	MW-16A	Appendix III	Sulfate	mg/l	14	0	0%	Parametric	Lognormal MLE	0.000572	0.044	↔

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Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
23_2_126	MW-16A	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.0000527	0.626	↔
23_3_102	MW-16A	Appendix IV	Arsenic	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.000654	0.019	↔
23_3_103	MW-16A	Appendix IV	Barium	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.000120	0.382	↔
23_3_121	MW-16A	Appendix IV	Radium-226+228	pci/l	14	1	7%	Parametric	Lognormal MLE	-0.000972	0.176	↔
23_5_114	MW-16A	Part 115	Iron	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.000791	0.001	↓
24_2_105	MW-16B	Appendix III	Boron	mg/l	14	0	0%	Nonparametric	MK	-0.0000229	0.004	↓
24_2_107	MW-16B	Appendix III	Calcium	mg/l	14	0	0%	Parametric	Lognormal MLE	0.00000106	0.977	↔
24_2_108	MW-16B	Appendix III	Chloride	mg/l	14	5	36%	Nonparametric	MK	-0.00169	0.085	↔
24_2_120	MW-16B	Appendix III	pH, Field	su	14	0	0%	Parametric	Lognormal MLE	-0.0000185	0.050	↔
24_2_124	MW-16B	Appendix III	Sulfate	mg/l	14	0	0%	Parametric	Lognormal MLE	0.000314	0.000	↑
24_2_126	MW-16B	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.0000372	0.041	↔
24_3_103	MW-16B	Appendix IV	Barium	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.0000648	0.016	↔
24_3_116	MW-16B	Appendix IV	Lithium	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.000155	0.001	↓
24_3_118	MW-16B	Appendix IV	Molybdenum	mg/l	14	0	0%	Nonparametric	MK	0	1.000	↔
24_3_121	MW-16B	Appendix IV	Radium-226+228	pci/l	14	1	7%	Parametric	Lognormal MLE	-0.00105	0.009	↓
24_5_114	MW-16B	Part 115	Iron	mg/l	14	0	0%	Nonparametric	MK	-0.000294	0.001	↓
25_2_105	MW-17A	Appendix III	Boron	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.0000436	0.813	↔
25_2_107	MW-17A	Appendix III	Calcium	mg/l	9	0	0%	Parametric	Lognormal MLE	0.00000569	0.965	↔
25_2_108	MW-17A	Appendix III	Chloride	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000159	0.003	↑
25_2_112	MW-17A	Appendix III	Fluoride	mg/l	9	3	33%	Parametric	Lognormal MLE	0.00209	0.220	↔
25_2_120	MW-17A	Appendix III	pH, Field	su	11	0	0%	Parametric	Lognormal MLE	-0.0000308	0.063	↔
25_2_124	MW-17A	Appendix III	Sulfate	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000344	0.000	↑
25_2_126	MW-17A	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	Nonparametric	MK	-0.166	0.246	↔
25_3_102	MW-17A	Appendix IV	Arsenic	mg/l	9	1	11%	Parametric	Lognormal MLE	0.0000000843	1.000	↔
25_3_103	MW-17A	Appendix IV	Barium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000449	0.009	↓
25_3_113	MW-17A	Appendix IV	Fluoride (App IV)	mg/l	9	3	33%	Parametric	Lognormal MLE	0.00209	0.220	↔
25_3_116	MW-17A	Appendix IV	Lithium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000411	0.002	↓
25_3_118	MW-17A	Appendix IV	Molybdenum	mg/l	9	0	0%	Parametric	Lognormal MLE	0.00114	0.000	↑
25_3_121	MW-17A	Appendix IV	Radium-226+228	pci/l	9	2	22%	Parametric	Lognormal MLE	-0.00234	0.208	↔
25_5_114	MW-17A	Part 115	Iron	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000245	0.272	↔
25_5_119	MW-17A	Part 115	Nickel	mg/l	9	1	11%	Parametric	Lognormal MLE	-0.0000956	0.684	↔
25_5_129	MW-17A	Part 115	Zinc	mg/l	9	4	44%	Parametric	Lognormal MLE	0.0155	0.003	↑
26_2_105	MW-17B	Appendix III	Boron	mg/l	9	0	0%	Nonparametric	MK	-0.000863	0.073	↔
26_2_107	MW-17B	Appendix III	Calcium	mg/l	9	0	0%	Nonparametric	MK	-0.0835	0.073	↔
26_2_108	MW-17B	Appendix III	Chloride	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000105	0.402	↔
26_2_112	MW-17B	Appendix III	Fluoride	mg/l	9	2	22%	Parametric	Lognormal MLE	0.00314	0.020	↔
26_2_120	MW-17B	Appendix III	pH, Field	su	11	0	0%	Parametric	Lognormal MLE	-0.0000789	0.039	↔
26_2_124	MW-17B	Appendix III	Sulfate	mg/l	9	0	0%	Nonparametric	MK	-0.181	0.059	↔
26_2_126	MW-17B	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	Nonparametric	MK	-0.359	0.048	↔
26_3_102	MW-17B	Appendix IV	Arsenic	mg/l	9	1	11%	Parametric	Lognormal MLE	0.000228	0.749	↔
26_3_103	MW-17B	Appendix IV	Barium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.00101	0.001	↓
26_3_113	MW-17B	Appendix IV	Fluoride (App IV)	mg/l	9	2	22%	Parametric	Lognormal MLE	0.00314	0.020	↔
26_3_116	MW-17B	Appendix IV	Lithium	mg/l	9	0	0%	Parametric	Lognormal MLE	0.0000753	0.837	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
26_3_118	MW-17B	Appendix IV	Molybdenum	mg/l	9	0	0%	Nonparametric	MK	0.0000224	0.754	↔
26_3_121	MW-17B	Appendix IV	Radium-226+228	pci/l	9	2	22%	Parametric	Lognormal MLE	-0.00335	0.005	↓
26_5_114	MW-17B	Part 115	Iron	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.00171	0.011	↔
26_5_119	MW-17B	Part 115	Nickel	mg/l	9	3	33%	Parametric	Lognormal MLE	-0.000724	0.001	↓
26_5_129	MW-17B	Part 115	Zinc	mg/l	9	3	33%	Parametric	Lognormal MLE	0.00835	0.034	↔
27_2_105	MW-17C	Appendix III	Boron	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000193	0.640	↔
27_2_107	MW-17C	Appendix III	Calcium	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000876	0.002	↑
27_2_108	MW-17C	Appendix III	Chloride	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000801	0.000	↓
27_2_112	MW-17C	Appendix III	Fluoride	mg/l	9	2	22%	Parametric	Lognormal MLE	0.000231	0.516	↔
27_2_120	MW-17C	Appendix III	pH, Field	su	11	0	0%	Parametric	Lognormal MLE	-0.000171	0.000	↓
27_2_124	MW-17C	Appendix III	Sulfate	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000953	0.012	↔
27_2_126	MW-17C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000289	0.342	↔
27_3_102	MW-17C	Appendix IV	Arsenic	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000569	0.447	↔
27_3_103	MW-17C	Appendix IV	Barium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000499	0.047	↔
27_3_110	MW-17C	Appendix IV	Cobalt	mg/l	9	4	44%	Parametric	Lognormal MLE	0.00205	0.335	↔
27_3_113	MW-17C	Appendix IV	Fluoride (App IV)	mg/l	9	2	22%	Parametric	Lognormal MLE	0.000231	0.516	↔
27_3_116	MW-17C	Appendix IV	Lithium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.00150	0.000	↓
27_3_118	MW-17C	Appendix IV	Molybdenum	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.00272	0.000	↓
27_3_121	MW-17C	Appendix IV	Radium-226+228	pci/l	9	0	0%	Parametric	Lognormal MLE	-0.001000	0.222	↔
27_5_114	MW-17C	Part 115	Iron	mg/l	9	0	0%	Parametric	Lognormal MLE	0.00124	0.128	↔
27_5_119	MW-17C	Part 115	Nickel	mg/l	9	1	11%	Parametric	Lognormal MLE	-0.000790	0.070	↔
27_5_129	MW-17C	Part 115	Zinc	mg/l	9	4	44%	Parametric	Lognormal MLE	0.0115	0.083	↔
28_2_105	MW-18A	Appendix III	Boron	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.00198	0.018	↔
28_2_107	MW-18A	Appendix III	Calcium	mg/l	10	0	0%	Nonparametric	MK	-0.00559	0.718	↔
28_2_108	MW-18A	Appendix III	Chloride	mg/l	10	0	0%	Nonparametric	MK	0.0533	0.032	↔
28_2_112	MW-18A	Appendix III	Fluoride	mg/l	10	0	0%	Parametric	Lognormal MLE	0.000562	0.364	↔
28_2_120	MW-18A	Appendix III	pH, Field	su	12	0	0%	Parametric	Lognormal MLE	0.0000289	0.553	↔
28_2_124	MW-18A	Appendix III	Sulfate	mg/l	10	0	0%	Nonparametric	MK	0.102	0.035	↔
28_2_126	MW-18A	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	Parametric	Lognormal MLE	0.0000889	0.721	↔
28_3_102	MW-18A	Appendix IV	Arsenic	mg/l	10	4	40%	Parametric	Lognormal MLE	-0.00363	0.023	↔
28_3_103	MW-18A	Appendix IV	Barium	mg/l	10	0	0%	Parametric	Lognormal MLE	0.000563	0.738	↔
28_3_113	MW-18A	Appendix IV	Fluoride (App IV)	mg/l	10	0	0%	Parametric	Lognormal MLE	0.000562	0.364	↔
28_3_116	MW-18A	Appendix IV	Lithium	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.00000429	0.996	↔
28_3_118	MW-18A	Appendix IV	Molybdenum	mg/l	10	1	10%	Parametric	Lognormal MLE	0.00278	0.197	↔
28_3_121	MW-18A	Appendix IV	Radium-226+228	pci/l	10	2	20%	Parametric	Lognormal MLE	-0.000379	0.767	↔
28_5_114	MW-18A	Part 115	Iron	mg/l	10	0	0%	Parametric	Lognormal MLE	0.00203	0.486	↔
29_2_105	MW-18B	Appendix III	Boron	mg/l	10	0	0%	Parametric	Lognormal MLE	0.000645	0.373	↔
29_2_107	MW-18B	Appendix III	Calcium	mg/l	10	0	0%	Parametric	Lognormal MLE	0.000787	0.025	↔
29_2_108	MW-18B	Appendix III	Chloride	mg/l	10	0	0%	Parametric	Lognormal MLE	0.000313	0.019	↔
29_2_112	MW-18B	Appendix III	Fluoride	mg/l	10	1	10%	Parametric	Lognormal MLE	0.000964	0.200	↔
29_2_120	MW-18B	Appendix III	pH, Field	su	12	0	0%	Parametric	Lognormal MLE	-0.0000372	0.030	↔
29_2_124	MW-18B	Appendix III	Sulfate	mg/l	10	0	0%	Parametric	Lognormal MLE	0.00125	0.052	↔
29_2_126	MW-18B	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	Nonparametric	MK	0.267	0.032	↔

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Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
29_3_103	MW-18B	Appendix IV	Barium	mg/l	10	0	0%	Nonparametric	MK	0.00000505	0.651	↔
29_3_113	MW-18B	Appendix IV	Fluoride (App IV)	mg/l	10	1	10%	Parametric	Lognormal MLE	0.000964	0.200	↔
29_3_116	MW-18B	Appendix IV	Lithium	mg/l	10	0	0%	Nonparametric	MK	0	0.701	↔
29_3_118	MW-18B	Appendix IV	Molybdenum	mg/l	10	0	0%	Nonparametric	MK	0	0.927	↔
29_3_121	MW-18B	Appendix IV	Radium-226+228	pci/l	10	0	0%	Parametric	Lognormal MLE	-0.00149	0.167	↔
29_5_114	MW-18B	Part 115	Iron	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.000182	0.230	↔
29_5_119	MW-18B	Part 115	Nickel	mg/l	10	1	10%	Parametric	Lognormal MLE	0.000886	0.009	↑
30_2_105	MW-19A	Appendix III	Boron	mg/l	9	0	0%	Nonparametric	MK	0	0.830	↔
30_2_107	MW-19A	Appendix III	Calcium	mg/l	9	0	0%	Nonparametric	MK	0	0.705	↔
30_2_108	MW-19A	Appendix III	Chloride	mg/l	9	0	0%	Nonparametric	MK	0	0.256	↔
30_2_112	MW-19A	Appendix III	Fluoride	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000217	0.759	↔
30_2_120	MW-19A	Appendix III	pH, Field	su	9	0	0%	Parametric	Lognormal MLE	0.0000544	0.366	↔
30_2_124	MW-19A	Appendix III	Sulfate	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000365	0.390	↔
30_2_126	MW-19A	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000257	0.008	↑
30_3_102	MW-19A	Appendix IV	Arsenic	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000514	0.454	↔
30_3_103	MW-19A	Appendix IV	Barium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000473	0.008	↓
30_3_110	MW-19A	Appendix IV	Cobalt	mg/l	9	4	44%	Parametric	Lognormal MLE	-0.00969	0.008	↓
30_3_113	MW-19A	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000217	0.759	↔
30_3_116	MW-19A	Appendix IV	Lithium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000531	0.056	↔
30_3_118	MW-19A	Appendix IV	Molybdenum	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.00102	0.012	↔
30_3_121	MW-19A	Appendix IV	Radium-226+228	pci/l	9	4	44%	Parametric	Lognormal MLE	0.00134	0.087	↔
30_5_114	MW-19A	Part 115	Iron	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000186	0.665	↔
30_5_119	MW-19A	Part 115	Nickel	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000896	0.000	↑
31_2_105	MW-19B	Appendix III	Boron	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.00118	0.000	↓
31_2_107	MW-19B	Appendix III	Calcium	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000154	0.334	↔
31_2_108	MW-19B	Appendix III	Chloride	mg/l	9	0	0%	Nonparametric	MK	0.0326	0.028	↔
31_2_112	MW-19B	Appendix III	Fluoride	mg/l	9	0	0%	Nonparametric	MK	0	1.000	↔
31_2_120	MW-19B	Appendix III	pH, Field	su	9	0	0%	Parametric	Lognormal MLE	-0.0000212	0.672	↔
31_2_124	MW-19B	Appendix III	Sulfate	mg/l	9	0	0%	Nonparametric	MK	0	0.735	↔
31_2_126	MW-19B	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000187	0.212	↔
31_3_102	MW-19B	Appendix IV	Arsenic	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000764	0.009	↓
31_3_103	MW-19B	Appendix IV	Barium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000570	0.005	↓
31_3_113	MW-19B	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	Nonparametric	MK	0	1.000	↔
31_3_116	MW-19B	Appendix IV	Lithium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000602	0.021	↔
31_3_118	MW-19B	Appendix IV	Molybdenum	mg/l	9	0	0%	Nonparametric	MK	-0.00000378	0.011	↔
31_3_121	MW-19B	Appendix IV	Radium-226+228	pci/l	9	2	22%	Parametric	Lognormal MLE	0.000492	0.635	↔
31_5_114	MW-19B	Part 115	Iron	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000110	0.752	↔
31_5_119	MW-19B	Part 115	Nickel	mg/l	9	0	0%	Parametric	Lognormal MLE	0.000130	0.504	↔
32_2_105	MW-100A	Appendix III	Boron	mg/l	12	2	17%	Nonparametric	MK	0	0.215	↔
32_2_107	MW-100A	Appendix III	Calcium	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.0000903	0.000	↓
32_2_108	MW-100A	Appendix III	Chloride	mg/l	12	0	0%	Nonparametric	MK	0.000921	0.008	↑
32_2_120	MW-100A	Appendix III	pH, Field	su	12	0	0%	Parametric	Lognormal MLE	-0.00000205	0.864	↔
32_2_124	MW-100A	Appendix III	Sulfate	mg/l	12	0	0%	Parametric	Lognormal MLE	0.0000174	0.941	↔

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Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
32_2_126	MW-100A	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	Nonparametric	MK	-0.0859	0.004	↓
32_3_102	MW-100A	Appendix IV	Arsenic	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.0000488	0.795	↔
32_3_103	MW-100A	Appendix IV	Barium	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.000123	0.000	↓
32_3_116	MW-100A	Appendix IV	Lithium	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.000748	0.000	↓
32_3_118	MW-100A	Appendix IV	Molybdenum	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.000666	0.000	↓
32_3_121	MW-100A	Appendix IV	Radium-226+228	pci/l	12	0	0%	Parametric	Lognormal MLE	0.0000562	0.919	↔
32_5_114	MW-100A	Part 115	Iron	mg/l	12	0	0%	Parametric	Lognormal MLE	0.000120	0.789	↔
33_2_105	MW-100B	Appendix III	Boron	mg/l	12	0	0%	Parametric	Lognormal MLE	0.0000674	0.461	↔
33_2_107	MW-100B	Appendix III	Calcium	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.000126	0.001	↓
33_2_108	MW-100B	Appendix III	Chloride	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.000389	0.000	↓
33_2_120	MW-100B	Appendix III	pH, Field	su	12	0	0%	Parametric	Lognormal MLE	0.0000112	0.411	↔
33_2_124	MW-100B	Appendix III	Sulfate	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.00000143	0.983	↔
33_2_126	MW-100B	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.000149	0.000	↓
33_3_102	MW-100B	Appendix IV	Arsenic	mg/l	12	0	0%	Nonparametric	MK	-0.00000204	0.174	↔
33_3_103	MW-100B	Appendix IV	Barium	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.000173	0.000	↓
33_3_116	MW-100B	Appendix IV	Lithium	mg/l	12	0	0%	Parametric	Lognormal MLE	0.0000646	0.169	↔
33_3_118	MW-100B	Appendix IV	Molybdenum	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.000769	0.000	↓
33_3_121	MW-100B	Appendix IV	Radium-226+228	pci/l	12	1	8%	Parametric	Lognormal MLE	-0.000612	0.204	↔
33_5_114	MW-100B	Part 115	Iron	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.0000414	0.786	↔

Table 9: Trend Tests: Piecewise Linear-Linear

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
11_2_105	MW-2	Appendix III	Boron	mg/l	19	0	0%	0.0168	0.000	↑	-0.00173	0.000	↓	2020-10-14	0.919
11_2_107	MW-2	Appendix III	Calcium	mg/l	19	0	0%	-0.0666	0.000	↓	-0.0115	0.396	↔	2023-03-28	0.924
11_2_108	MW-2	Appendix III	Chloride	mg/l	19	0	0%	0.165	0.007	↑	-0.0139	0.000	↓	2020-09-27	0.703
11_2_112	MW-2	Appendix III	Fluoride	mg/l	20	17	85%	0.000000000000711	1.000	↔	-0.00155	0.000	↓	2024-02-05	0.885
11_2_120	MW-2	Appendix III	pH, Field	su	22	0	0%	0.000917	0.284	↔	-0.0000397	0.300	↔	2020-10-18	0.167
11_2_124	MW-2	Appendix III	Sulfate	mg/l	19	0	0%	2.10	0.003	↑	-0.207	0.000	↓	2020-07-27	0.939
11_2_126	MW-2	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	2.64	0.098	↔	-0.278	0.000	↓	2020-07-20	0.918
11_3_101	MW-2	Appendix IV	Antimony	mg/l	20	20	100%	-0.000000000000000720	1.000	↔	-0.00000718	0.000	↓	2024-01-30	0.881
11_3_102	MW-2	Appendix IV	Arsenic	mg/l	20	15	75%	0.000000563	0.222	↔	-0.00000229	0.003	↓	2023-07-31	0.545
11_3_103	MW-2	Appendix IV	Barium	mg/l	20	0	0%	-0.00000364	0.100	↔	0.00000588	0.509	↔	2024-07-18	0.232
11_3_104	MW-2	Appendix IV	Beryllium	mg/l	20	20	100%	-0.00000000000267	1.000	↔	-0.00000118	0.000	↓	2024-01-30	0.881
11_3_106	MW-2	Appendix IV	Cadmium	mg/l	20	17	85%	-0.00000000000000110	1.000	↔	-0.000000632	0.000	↓	2024-01-30	0.879
11_3_109	MW-2	Appendix IV	Chromium	mg/l	20	20	100%	0.00000000000220	1.000	↔	-0.00000616	0.000	↓	2024-01-30	0.881
11_3_110	MW-2	Appendix IV	Cobalt	mg/l	20	17	85%	-0.000000000000000535	1.000	↔	-0.00000211	0.000	↓	2024-01-31	0.869
11_3_113	MW-2	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	0.00000000000000271	1.000	↔	-0.00155	0.000	↓	2024-02-05	0.885
11_3_115	MW-2	Appendix IV	Lead	mg/l	20	20	100%	-0.000000000000186	1.000	↔	-0.00000413	0.000	↓	2024-01-30	0.881
11_3_116	MW-2	Appendix IV	Lithium	mg/l	20	0	0%	0.0000892	0.009	↑	-0.0000163	0.000	↓	2020-10-18	0.897

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
11_3_117	MW-2	Appendix IV	Mercury	mg/l	20	20	100%	-0.0000000000000148	1.000	↔	-0.000000113	0.000	↓	2024-01-30	0.881
11_3_118	MW-2	Appendix IV	Molybdenum	mg/l	20	0	0%	0.00000462	0.003	↑	-0.00000745	0.001	↓	2023-03-27	0.641
11_3_122	MW-2	Appendix IV	Selenium	mg/l	20	20	100%	-0.00000000000000868	1.000	↔	-0.00000666	0.000	↓	2024-01-30	0.881
11_3_125	MW-2	Appendix IV	Thallium	mg/l	20	20	100%	0.0000000000000460	1.000	↔	-0.00000241	0.000	↓	2024-01-30	0.881
11_5_111	MW-2	Part 115	Copper	mg/l	20	20	100%	-0.0000000000000154	1.000	↔	-0.00000535	0.000	↓	2024-01-30	0.881
11_5_114	MW-2	Part 115	Iron	mg/l	20	0	0%	0.00126	0.014	↔	-0.000799	0.005	↓	2022-02-01	0.543
11_5_119	MW-2	Part 115	Nickel	mg/l	20	0	0%	0.0000750	0.000	↑	-0.00000853	0.000	↓	2020-09-03	0.943
11_5_123	MW-2	Part 115	Silver	mg/l	20	20	100%	-0.000000000000777	1.000	↔	-0.000000724	0.000	↓	2024-01-30	0.881
11_5_128	MW-2	Part 115	Vanadium	mg/l	20	20	100%	0.00000000000242	1.000	↔	-0.00000677	0.000	↓	2024-01-30	0.881
11_5_129	MW-2	Part 115	Zinc	mg/l	20	14	70%	-0.000129	0.305	↔	-0.00000163	0.574	↔	2020-08-10	0.282
12_2_107	MW-3	Appendix III	Calcium	mg/l	11	0	0%	0.0172	0.151	↔	-0.0656	0.028	↔	2024-05-06	0.682
12_2_108	MW-3	Appendix III	Chloride	mg/l	11	0	0%	0.0246	0.024	↔	-0.00844	0.028	↔	2022-11-21	0.738
12_2_112	MW-3	Appendix III	Fluoride	mg/l	11	8	73%	0.000000000000358	1.000	↔	-0.00143	0.008	↓	2024-02-23	0.881
12_2_120	MW-3	Appendix III	pH, Field	su	13	0	0%	0.000123	0.228	↔	-0.000111	0.284	↔	2024-01-28	0.275
12_2_124	MW-3	Appendix III	Sulfate	mg/l	11	0	0%	-0.000236	0.992	↔	-0.0925	0.380	↔	2024-08-05	0.404
12_2_126	MW-3	Appendix III	Total Dissolved Solids	mg/l	11	0	0%	-0.0750	0.546	↔	-0.318	0.063	↔	2023-12-18	0.709
12_3_101	MW-3	Appendix IV	Antimony	mg/l	11	11	100%	-0.0000000000000323	1.000	↔	-0.00000721	0.014	↔	2024-02-02	0.862
12_3_102	MW-3	Appendix IV	Arsenic	mg/l	11	0	0%	0.00000179	0.091	↔	-0.00000303	0.178	↔	2024-01-29	0.495
12_3_103	MW-3	Appendix IV	Barium	mg/l	11	0	0%	-0.00000335	0.000	↓	-0.00000996	0.054	↔	2025-04-30	0.962
12_3_104	MW-3	Appendix IV	Beryllium	mg/l	11	11	100%	-0.00000000000000532	1.000	↔	-0.00000119	0.014	↔	2024-02-02	0.862
12_3_106	MW-3	Appendix IV	Cadmium	mg/l	11	11	100%	-0.000000000000149	1.000	↔	-0.000000688	0.014	↔	2024-02-02	0.862
12_3_109	MW-3	Appendix IV	Chromium	mg/l	11	11	100%	-0.00000000000134	1.000	↔	-0.00000618	0.014	↔	2024-02-02	0.862
12_3_110	MW-3	Appendix IV	Cobalt	mg/l	11	8	73%	-0.000000000000110	1.000	↔	-0.00000733	0.013	↔	2024-02-06	0.865
12_3_113	MW-3	Appendix IV	Fluoride (App IV)	mg/l	11	8	73%	0.000000000000358	1.000	↔	-0.00143	0.008	↓	2024-02-23	0.881
12_3_115	MW-3	Appendix IV	Lead	mg/l	11	10	91%	-0.00000000000000552	1.000	↔	-0.00000403	0.015	↔	2024-02-02	0.860
12_3_116	MW-3	Appendix IV	Lithium	mg/l	11	0	0%	0.0000989	0.167	↔	-0.00000818	0.026	↔	2021-08-22	0.598
12_3_117	MW-3	Appendix IV	Mercury	mg/l	12	11	92%	0.000000000000708	1.000	↔	-0.000000221	0.021	↔	2024-06-20	0.745
12_3_118	MW-3	Appendix IV	Molybdenum	mg/l	11	0	0%	0.0000305	0.187	↔	-0.0000266	0.009	↓	2023-02-06	0.679
12_3_121	MW-3	Appendix IV	Radium-226+228	pci/l	11	3	27%	0.00491	0.178	↔	-0.00136	0.041	↔	2022-02-01	0.568
12_3_122	MW-3	Appendix IV	Selenium	mg/l	11	11	100%	-0.000000000000126	1.000	↔	-0.00000669	0.014	↔	2024-02-02	0.862
12_3_125	MW-3	Appendix IV	Thallium	mg/l	11	11	100%	0.0000000000000242	1.000	↔	-0.00000242	0.014	↔	2024-02-02	0.862
12_5_111	MW-3	Part 115	Copper	mg/l	11	10	91%	0.00000000000321	1.000	↔	-0.00000473	0.028	↔	2024-02-03	0.821
12_5_119	MW-3	Part 115	Nickel	mg/l	11	8	73%	-0.00000000000155	1.000	↔	-0.00000324	0.021	↔	2023-12-19	0.746
12_5_123	MW-3	Part 115	Silver	mg/l	11	11	100%	-0.0000000000000956	1.000	↔	-0.000000727	0.014	↔	2024-02-02	0.862
12_5_128	MW-3	Part 115	Vanadium	mg/l	11	11	100%	-0.000000000000965	1.000	↔	-0.00000680	0.014	↔	2024-02-02	0.862
12_5_129	MW-3	Part 115	Zinc	mg/l	11	8	73%	0.00000000000991	1.000	↔	-0.00000576	0.006	↓	2024-03-17	0.888
13_2_105	MW-5	Appendix III	Boron	mg/l	19	0	0%	-0.00368	0.076	↔	0.000338	0.596	↔	2022-01-31	0.539
13_2_107	MW-5	Appendix III	Calcium	mg/l	19	0	0%	-0.190	0.007	↓	-0.0240	0.477	↔	2022-02-01	0.735
13_2_108	MW-5	Appendix III	Chloride	mg/l	19	0	0%	-0.0264	0.000	↓	0.00532	0.844	↔	2024-11-20	0.870
13_2_112	MW-5	Appendix III	Fluoride	mg/l	20	17	85%	0.0000000000000446	1.000	↔	-0.00144	0.000	↓	2024-02-02	0.883
13_2_120	MW-5	Appendix III	pH, Field	su	22	0	0%	-0.000737	0.389	↔	0.000129	0.185	↔	2021-05-03	0.149
13_2_124	MW-5	Appendix III	Sulfate	mg/l	19	0	0%	-0.721	0.068	↔	-0.149	0.226	↔	2022-01-31	0.725

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
13_2_126	MW-5	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	-1.07	0.041	↔	-0.274	0.098	↔	2022-01-31	0.792
13_3_101	MW-5	Appendix IV	Antimony	mg/l	20	20	100%	-0.000000000000000112	1.000	↔	-0.00000716	0.000	↓	2024-01-29	0.881
13_3_102	MW-5	Appendix IV	Arsenic	mg/l	20	13	65%	0.00000220	0.319	↔	-0.00000201	0.102	↔	2022-02-01	0.249
13_3_103	MW-5	Appendix IV	Barium	mg/l	20	0	0%	-0.0000913	0.032	↔	0.000000923	0.730	↔	2020-11-05	0.497
13_3_104	MW-5	Appendix IV	Beryllium	mg/l	20	20	100%	-0.00000000000271	1.000	↔	-0.00000118	0.000	↓	2024-01-29	0.881
13_3_106	MW-5	Appendix IV	Cadmium	mg/l	20	19	95%	-0.000000000000173	1.000	↔	-0.000000692	0.000	↓	2024-02-09	0.889
13_3_109	MW-5	Appendix IV	Chromium	mg/l	20	17	85%	-0.000000591	0.460	↔	-0.00000625	0.072	↔	2024-03-08	0.590
13_3_110	MW-5	Appendix IV	Cobalt	mg/l	20	16	80%	-0.000000148	0.696	↔	-0.00000773	0.000	↓	2024-02-28	0.884
13_3_113	MW-5	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	-0.000000000000134	1.000	↔	-0.00144	0.000	↓	2024-02-02	0.883
13_3_115	MW-5	Appendix IV	Lead	mg/l	20	15	75%	0.00000632	0.100	↔	-0.00000474	0.027	↔	2022-02-01	0.389
13_3_117	MW-5	Appendix IV	Mercury	mg/l	20	20	100%	-0.0000000000000157	1.000	↔	-0.000000113	0.000	↓	2024-01-29	0.881
13_3_118	MW-5	Appendix IV	Molybdenum	mg/l	20	0	0%	-0.000203	0.079	↔	0.0000202	0.013	↔	2020-10-22	0.414
13_3_121	MW-5	Appendix IV	Radium-226+228	pci/l	20	3	15%	0.00882	0.121	↔	-0.000849	0.091	↔	2020-11-06	0.270
13_3_122	MW-5	Appendix IV	Selenium	mg/l	20	19	95%	-0.0000000000000113	1.000	↔	-0.00000655	0.000	↓	2024-01-26	0.876
13_3_125	MW-5	Appendix IV	Thallium	mg/l	20	20	100%	-0.0000000000000725	1.000	↔	-0.00000241	0.000	↓	2024-01-29	0.881
13_5_111	MW-5	Part 115	Copper	mg/l	20	13	65%	0.00000115	0.899	↔	-0.00000545	0.278	↔	2022-02-01	0.183
13_5_114	MW-5	Part 115	Iron	mg/l	20	1	5%	-0.217	0.002	↓	-0.000147	0.715	↔	2020-05-30	0.699
13_5_119	MW-5	Part 115	Nickel	mg/l	20	0	0%	-0.000107	0.021	↔	-0.00000405	0.000	↓	2020-07-08	0.872
13_5_123	MW-5	Part 115	Silver	mg/l	20	19	95%	0.000000000000207	1.000	↔	-0.000000742	0.000	↓	2024-02-22	0.899
13_5_128	MW-5	Part 115	Vanadium	mg/l	20	15	75%	-0.000000749	0.514	↔	-0.00000700	0.153	↔	2024-03-20	0.468
13_5_129	MW-5	Part 115	Zinc	mg/l	20	3	15%	-0.0000116	0.322	↔	-0.00000141	0.987	↔	2025-02-03	0.115
14_2_105	MW-6	Appendix III	Boron	mg/l	19	0	0%	0.00307	0.084	↔	-0.0000713	0.255	↔	2020-09-04	0.387
14_2_107	MW-6	Appendix III	Calcium	mg/l	19	0	0%	0.264	0.173	↔	0.00424	0.537	↔	2020-09-04	0.395
14_2_108	MW-6	Appendix III	Chloride	mg/l	19	0	0%	0.00222	0.656	↔	0.0172	0.163	↔	2024-01-28	0.351
14_2_112	MW-6	Appendix III	Fluoride	mg/l	20	17	85%	0.0000000000000106	1.000	↔	-0.00127	0.000	↓	2024-02-03	0.884
14_2_120	MW-6	Appendix III	pH, Field	su	22	0	0%	0.00261	0.121	↔	-0.0000644	0.197	↔	2020-08-24	0.264
14_2_124	MW-6	Appendix III	Sulfate	mg/l	19	0	0%	0.673	0.389	↔	-0.00597	0.750	↔	2020-08-17	0.185
14_2_126	MW-6	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	1.52	0.267	↔	0.00953	0.771	↔	2020-08-17	0.332
14_3_101	MW-6	Appendix IV	Antimony	mg/l	20	20	100%	-0.000000000000000964	1.000	↔	-0.00000718	0.000	↓	2024-01-30	0.881
14_3_102	MW-6	Appendix IV	Arsenic	mg/l	20	18	90%	0.000000258	0.123	↔	-0.00000254	0.001	↓	2024-01-29	0.778
14_3_103	MW-6	Appendix IV	Barium	mg/l	20	0	0%	-0.00000682	0.445	↔	0.00000943	0.063	↔	2022-08-01	0.243
14_3_104	MW-6	Appendix IV	Beryllium	mg/l	20	20	100%	-0.00000000000260	1.000	↔	-0.00000118	0.000	↓	2024-01-30	0.881
14_3_106	MW-6	Appendix IV	Cadmium	mg/l	20	19	95%	0.0000000000000140	1.000	↔	-0.000000725	0.000	↓	2024-03-21	0.919
14_3_109	MW-6	Appendix IV	Chromium	mg/l	20	20	100%	0.00000000000220	1.000	↔	-0.00000616	0.000	↓	2024-01-30	0.881
14_3_110	MW-6	Appendix IV	Cobalt	mg/l	20	17	85%	0.000000000000932	1.000	↔	-0.00000747	0.000	↓	2024-02-05	0.885
14_3_113	MW-6	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	0.000000000000251	1.000	↔	-0.00127	0.000	↓	2024-02-03	0.884
14_3_115	MW-6	Appendix IV	Lead	mg/l	20	20	100%	-0.0000000000000137	1.000	↔	-0.00000413	0.000	↓	2024-01-30	0.881
14_3_116	MW-6	Appendix IV	Lithium	mg/l	20	0	0%	0.000114	0.096	↔	-0.000000250	0.937	↔	2020-09-17	0.331
14_3_117	MW-6	Appendix IV	Mercury	mg/l	20	20	100%	-0.0000000000000148	1.000	↔	-0.000000113	0.000	↓	2024-01-30	0.881
14_3_118	MW-6	Appendix IV	Molybdenum	mg/l	20	0	0%	0.0000697	0.279	↔	-0.00000548	0.022	↔	2020-08-18	0.326
14_3_121	MW-6	Appendix IV	Radium-226+228	pci/l	20	3	15%	0.00539	0.315	↔	-0.000278	0.550	↔	2021-01-21	0.194
14_3_122	MW-6	Appendix IV	Selenium	mg/l	20	20	100%	-0.00000000000000868	1.000	↔	-0.00000666	0.000	↓	2024-01-30	0.881

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Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
14_3_125	MW-6	Appendix IV	Thallium	mg/l	20	20	100%	0.0000000000000461	1.000	↔	-0.00000241	0.000	↓	2024-01-30	0.881
14_5_111	MW-6	Part 115	Copper	mg/l	20	20	100%	-0.000000000000542	1.000	↔	-0.00000535	0.000	↓	2024-01-30	0.881
14_5_114	MW-6	Part 115	Iron	mg/l	20	9	45%	-0.000893	0.011	↔	-0.000000332	0.976	↔	2020-09-02	0.643
14_5_119	MW-6	Part 115	Nickel	mg/l	20	5	25%	0.0000357	0.061	↔	-0.00000226	0.000	↓	2020-07-12	0.841
14_5_123	MW-6	Part 115	Silver	mg/l	20	20	100%	-0.000000000000777	1.000	↔	-0.000000724	0.000	↓	2024-01-30	0.881
14_5_128	MW-6	Part 115	Vanadium	mg/l	20	20	100%	-0.0000000000000227	1.000	↔	-0.00000677	0.000	↓	2024-01-30	0.881
14_5_129	MW-6	Part 115	Zinc	mg/l	20	16	80%	-0.000104	0.306	↔	-0.00000152	0.517	↔	2020-08-12	0.300
15_2_105	MW-7	Appendix III	Boron	mg/l	16	0	0%	-0.000852	0.225	↔	0.000558	0.266	↔	2023-07-05	0.253
15_2_107	MW-7	Appendix III	Calcium	mg/l	16	0	0%	0.0890	0.506	↔	-0.00837	0.498	↔	2021-12-16	0.079
15_2_108	MW-7	Appendix III	Chloride	mg/l	16	0	0%	0.0395	0.094	↔	-0.00395	0.361	↔	2022-08-01	0.589
15_2_112	MW-7	Appendix III	Fluoride	mg/l	16	11	69%	0.0000534	0.897	↔	-0.000755	0.023	↔	2023-06-11	0.578
15_2_124	MW-7	Appendix III	Sulfate	mg/l	16	0	0%	0.150	0.363	↔	-0.0201	0.353	↔	2022-02-15	0.144
15_2_126	MW-7	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.0940	0.258	↔	-0.141	0.442	↔	2024-01-30	0.147
15_3_101	MW-7	Appendix IV	Antimony	mg/l	16	16	100%	-0.0000000000000314	1.000	↔	-0.00000718	0.001	↓	2024-02-01	0.875
15_3_102	MW-7	Appendix IV	Arsenic	mg/l	16	0	0%	-0.00000374	0.405	↔	-0.000000477	0.576	↔	2022-07-04	0.400
15_3_103	MW-7	Appendix IV	Barium	mg/l	16	0	0%	-0.0000126	0.041	↔	0.0000152	0.293	↔	2024-01-30	0.353
15_3_104	MW-7	Appendix IV	Beryllium	mg/l	16	16	100%	-0.000000000000354	1.000	↔	-0.00000118	0.001	↓	2024-02-01	0.875
15_3_106	MW-7	Appendix IV	Cadmium	mg/l	16	15	94%	0.0000000000000184	1.000	↔	-0.000000637	0.000	↓	2024-01-17	0.847
15_3_109	MW-7	Appendix IV	Chromium	mg/l	16	15	94%	0.000000126	0.890	↔	-0.00000914	0.002	↓	2024-08-07	0.754
15_3_110	MW-7	Appendix IV	Cobalt	mg/l	16	13	81%	-0.000000000000000444	1.000	↔	-0.00000790	0.001	↓	2024-02-08	0.880
15_3_113	MW-7	Appendix IV	Fluoride (App IV)	mg/l	16	11	69%	0.0000534	0.897	↔	-0.000755	0.023	↔	2023-06-11	0.578
15_3_115	MW-7	Appendix IV	Lead	mg/l	16	16	100%	-0.0000000000000139	1.000	↔	-0.00000413	0.001	↓	2024-02-01	0.875
15_3_116	MW-7	Appendix IV	Lithium	mg/l	16	0	0%	-0.0000356	0.008	↓	0.00000560	0.712	↔	2023-08-02	0.642
15_3_117	MW-7	Appendix IV	Mercury	mg/l	16	15	94%	-0.0000000000000340	1.000	↔	-0.000000114	0.001	↓	2024-02-01	0.875
15_3_118	MW-7	Appendix IV	Molybdenum	mg/l	16	0	0%	-0.000222	0.030	↔	-0.0000146	0.667	↔	2022-12-09	0.771
15_3_121	MW-7	Appendix IV	Radium-226+228	pci/l	16	0	0%	0.00102	0.805	↔	-0.00222	0.159	↔	2023-01-31	0.224
15_3_122	MW-7	Appendix IV	Selenium	mg/l	16	16	100%	0.00000000000185	1.000	↔	-0.00000666	0.001	↓	2024-02-01	0.875
15_3_125	MW-7	Appendix IV	Thallium	mg/l	16	15	94%	-0.00000000000273	1.000	↔	-0.00000220	0.000	↓	2024-01-13	0.839
15_5_111	MW-7	Part 115	Copper	mg/l	16	16	100%	-0.0000000000000137	1.000	↔	-0.00000535	0.001	↓	2024-02-01	0.875
15_5_114	MW-7	Part 115	Iron	mg/l	16	0	0%	0.00220	0.277	↔	-0.000518	0.185	↔	2022-02-17	0.237
15_5_119	MW-7	Part 115	Nickel	mg/l	16	16	100%	0.00000000000157	1.000	↔	-0.00000568	0.001	↓	2024-02-01	0.875
15_5_123	MW-7	Part 115	Silver	mg/l	16	16	100%	-0.000000000000217	1.000	↔	-0.000000725	0.001	↓	2024-02-01	0.875
15_5_128	MW-7	Part 115	Vanadium	mg/l	16	15	94%	0.000000468	0.505	↔	-0.00000740	0.001	↓	2024-01-30	0.868
15_5_129	MW-7	Part 115	Zinc	mg/l	16	12	75%	0.0000571	0.573	↔	-0.00000379	0.008	↓	2021-07-25	0.474
16_2_107	MW-7C	Appendix III	Calcium	mg/l	15	0	0%	-0.629	0.408	↔	-0.00755	0.511	↔	2022-05-15	0.402
16_2_108	MW-7C	Appendix III	Chloride	mg/l	15	0	0%	0.000628	0.914	↔	-0.0178	0.389	↔	2024-08-08	0.274
16_2_112	MW-7C	Appendix III	Fluoride	mg/l	15	12	80%	0.00000000000297	1.000	↔	-0.00117	0.000	↓	2024-01-26	0.862
16_2_120	MW-7C	Appendix III	pH, Field	su	17	0	0%	-0.000979	0.377	↔	0.0000517	0.298	↔	2022-07-27	0.203
16_2_124	MW-7C	Appendix III	Sulfate	mg/l	15	0	0%	-0.717	0.030	↔	-0.0391	0.001	↓	2022-06-22	0.879
16_2_126	MW-7C	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	-1.14	0.191	↔	-0.168	0.000	↓	2022-06-13	0.875
16_3_101	MW-7C	Appendix IV	Antimony	mg/l	15	15	100%	0.00000000000405	1.000	↔	-0.00000720	0.002	↓	2024-02-02	0.873
16_3_102	MW-7C	Appendix IV	Arsenic	mg/l	15	0	0%	0.00000342	0.052	↔	-0.00000469	0.094	↔	2024-01-30	0.451

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Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
16_3_103	MW-7C	Appendix IV	Barium	mg/l	15	0	0%	-0.00000268	0.546	↔	-0.00000627	0.091	↔	2023-08-02	0.644
16_3_104	MW-7C	Appendix IV	Beryllium	mg/l	15	15	100%	-0.00000000000000890	1.000	↔	-0.00000119	0.002	↓	2024-02-02	0.873
16_3_106	MW-7C	Appendix IV	Cadmium	mg/l	15	11	73%	0.00000106	0.302	↔	-0.000000501	0.001	↓	2022-09-11	0.701
16_3_109	MW-7C	Appendix IV	Chromium	mg/l	15	15	100%	-0.0000000000000342	1.000	↔	-0.00000618	0.002	↓	2024-02-02	0.873
16_3_110	MW-7C	Appendix IV	Cobalt	mg/l	15	14	93%	-0.00000000000000210	1.000	↔	-0.00000793	0.002	↓	2024-02-02	0.873
16_3_113	MW-7C	Appendix IV	Fluoride (App IV)	mg/l	15	12	80%	0.00000000000297	1.000	↔	-0.00117	0.000	↓	2024-01-26	0.862
16_3_115	MW-7C	Appendix IV	Lead	mg/l	15	15	100%	-0.0000000000000156	1.000	↔	-0.00000415	0.002	↓	2024-02-02	0.873
16_3_116	MW-7C	Appendix IV	Lithium	mg/l	15	0	0%	0.0000395	0.531	↔	-0.0000188	0.000	↓	2022-07-27	0.775
16_3_117	MW-7C	Appendix IV	Mercury	mg/l	16	15	94%	-0.000000000000250	1.000	↔	-0.000000221	0.004	↓	2024-06-21	0.765
16_3_118	MW-7C	Appendix IV	Molybdenum	mg/l	15	0	0%	-0.00000324	0.890	↔	-0.0000802	0.054	↔	2024-01-30	0.681
16_3_121	MW-7C	Appendix IV	Radium-226+228	pci/l	15	1	7%	-0.0133	0.149	↔	-0.000278	0.695	↔	2022-07-28	0.386
16_3_122	MW-7C	Appendix IV	Selenium	mg/l	15	15	100%	-0.0000000000000101	1.000	↔	-0.00000668	0.002	↓	2024-02-02	0.873
16_3_125	MW-7C	Appendix IV	Thallium	mg/l	15	15	100%	0.00000000000000000121	1.000	↔	-0.00000242	0.002	↓	2024-02-02	0.873
16_5_111	MW-7C	Part 115	Copper	mg/l	15	15	100%	-0.0000000000000297	1.000	↔	-0.00000536	0.002	↓	2024-02-02	0.873
16_5_114	MW-7C	Part 115	Iron	mg/l	15	0	0%	0.000129	0.819	↔	-0.00140	0.146	↔	2024-07-08	0.317
16_5_119	MW-7C	Part 115	Nickel	mg/l	15	0	0%	-0.0000571	0.040	↔	-0.000000802	0.055	↔	2022-04-21	0.696
16_5_123	MW-7C	Part 115	Silver	mg/l	15	15	100%	-0.00000000000152	1.000	↔	-0.000000727	0.002	↓	2024-02-02	0.873
16_5_128	MW-7C	Part 115	Vanadium	mg/l	15	15	100%	-0.0000000000142	1.000	↔	-0.00000680	0.002	↓	2024-02-02	0.873
16_5_129	MW-7C	Part 115	Zinc	mg/l	15	12	80%	-0.000000199	0.849	↔	-0.00000603	0.004	↓	2024-02-27	0.846
17_2_105	MW-8	Appendix III	Boron	mg/l	16	1	6%	-0.000270	0.272	↔	0.00000913	0.772	↔	2022-01-11	0.165
17_2_107	MW-8	Appendix III	Calcium	mg/l	16	0	0%	0.0319	0.509	↔	-0.000512	0.908	↔	2022-01-10	0.110
17_2_108	MW-8	Appendix III	Chloride	mg/l	16	2	12%	0.0165	0.196	↔	-0.0637	0.678	↔	2025-02-05	0.149
17_2_112	MW-8	Appendix III	Fluoride	mg/l	16	12	75%	0.000120	0.684	↔	-0.00157	0.053	↔	2024-02-09	0.604
17_2_124	MW-8	Appendix III	Sulfate	mg/l	16	0	0%	0.0165	0.490	↔	-0.0161	0.354	↔	2023-08-01	0.114
17_2_126	MW-8	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.0668	0.186	↔	-0.0722	0.057	↔	2023-08-01	0.353
17_3_101	MW-8	Appendix IV	Antimony	mg/l	16	16	100%	-0.0000000000000184	1.000	↔	-0.00000729	0.001	↓	2024-02-06	0.876
17_3_102	MW-8	Appendix IV	Arsenic	mg/l	16	14	88%	-0.000000000000223	1.000	↔	-0.00000164	0.016	↔	2024-02-06	0.759
17_3_103	MW-8	Appendix IV	Barium	mg/l	16	0	0%	-0.000200	0.079	↔	0.00000116	0.377	↔	2021-07-20	0.361
17_3_104	MW-8	Appendix IV	Beryllium	mg/l	16	15	94%	-0.000000000000820	1.000	↔	-0.00000118	0.001	↓	2024-02-06	0.876
17_3_106	MW-8	Appendix IV	Cadmium	mg/l	16	15	94%	-0.000000000000000806	1.000	↔	-0.000000623	0.003	↓	2024-02-06	0.848
17_3_109	MW-8	Appendix IV	Chromium	mg/l	16	16	100%	-0.00000000000000771	1.000	↔	-0.00000625	0.001	↓	2024-02-06	0.876
17_3_110	MW-8	Appendix IV	Cobalt	mg/l	16	15	94%	-0.00000000000000103	1.000	↔	-0.00000793	0.001	↓	2024-02-06	0.876
17_3_113	MW-8	Appendix IV	Fluoride (App IV)	mg/l	16	12	75%	0.000120	0.684	↔	-0.00157	0.053	↔	2024-02-09	0.604
17_3_115	MW-8	Appendix IV	Lead	mg/l	16	16	100%	-0.00000000000000148	1.000	↔	-0.00000419	0.001	↓	2024-02-06	0.876
17_3_116	MW-8	Appendix IV	Lithium	mg/l	16	6	38%	-0.0000103	0.497	↔	0.000000505	0.797	↔	2022-02-16	0.091
17_3_117	MW-8	Appendix IV	Mercury	mg/l	16	16	100%	-0.000000000000214	1.000	↔	-0.000000115	0.001	↓	2024-02-06	0.876
17_3_118	MW-8	Appendix IV	Molybdenum	mg/l	16	11	69%	-0.0000204	0.207	↔	-0.00000119	0.415	↔	2021-12-19	0.420
17_3_121	MW-8	Appendix IV	Radium-226+228	pci/l	16	0	0%	0.0181	0.078	↔	-0.00206	0.035	↔	2022-01-10	0.471
17_3_122	MW-8	Appendix IV	Selenium	mg/l	16	16	100%	-0.0000000000206	1.000	↔	-0.00000676	0.001	↓	2024-02-06	0.876
17_3_125	MW-8	Appendix IV	Thallium	mg/l	16	15	94%	-0.00000000000000592	1.000	↔	-0.00000242	0.001	↓	2024-02-06	0.876
17_5_111	MW-8	Part 115	Copper	mg/l	16	15	94%	0.00000233	0.174	↔	-0.00000866	0.002	↓	2024-01-29	0.660
17_5_114	MW-8	Part 115	Iron	mg/l	16	13	81%	0.00000000000000744	1.000	↔	0.00000939	0.611	↔	2024-05-26	0.067

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
17_5_119	MW-8	Part 115	Nickel	mg/l	16	16	100%	-0.00000000000211	1.000	↔	-0.00000576	0.001	↓	2024-02-06	0.876
17_5_123	MW-8	Part 115	Silver	mg/l	16	16	100%	-0.00000000000224	1.000	↔	-0.000000735	0.001	↓	2024-02-06	0.876
17_5_128	MW-8	Part 115	Vanadium	mg/l	16	15	94%	-0.00000000000000211	1.000	↔	-0.00000688	0.001	↓	2024-02-06	0.876
17_5_129	MW-8	Part 115	Zinc	mg/l	16	14	88%	0.000000941	0.364	↔	-0.00000747	0.000	↓	2024-01-29	0.826
18_2_107	MW-9	Appendix III	Calcium	mg/l	16	0	0%	0.0245	0.001	↑	-0.00819	0.782	↔	2024-08-08	0.712
18_2_108	MW-9	Appendix III	Chloride	mg/l	16	10	62%	0.00108	0.226	↔	-0.00683	0.137	↔	2024-08-08	0.445
18_2_112	MW-9	Appendix III	Fluoride	mg/l	16	15	94%	0.000123	0.685	↔	-0.00161	0.054	↔	2024-02-06	0.603
18_2_124	MW-9	Appendix III	Sulfate	mg/l	16	8	50%	0.00710	0.000	↑	-0.0120	0.454	↔	2025-02-07	0.758
18_2_126	MW-9	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.0968	0.001	↑	-0.121	0.046	↔	2024-08-07	0.768
18_3_101	MW-9	Appendix IV	Antimony	mg/l	16	16	100%	-0.0000000000000184	1.000	↔	-0.00000729	0.001	↓	2024-02-06	0.876
18_3_102	MW-9	Appendix IV	Arsenic	mg/l	16	14	88%	0.000000468	0.136	↔	-0.00000250	0.006	↓	2024-01-30	0.760
18_3_103	MW-9	Appendix IV	Barium	mg/l	16	0	0%	0.00000386	0.002	↑	-0.00000173	0.742	↔	2024-08-08	0.652
18_3_104	MW-9	Appendix IV	Beryllium	mg/l	16	15	94%	-0.000000000000599	1.000	↔	-0.00000120	0.001	↓	2024-02-06	0.876
18_3_106	MW-9	Appendix IV	Cadmium	mg/l	16	15	94%	-0.000000000000547	1.000	↔	-0.000000650	0.002	↓	2024-02-06	0.866
18_3_109	MW-9	Appendix IV	Chromium	mg/l	16	16	100%	-0.00000000000000771	1.000	↔	-0.00000625	0.001	↓	2024-02-06	0.876
18_3_110	MW-9	Appendix IV	Cobalt	mg/l	16	15	94%	0.00000000000487	1.000	↔	-0.00000804	0.001	↓	2024-02-06	0.876
18_3_113	MW-9	Appendix IV	Fluoride (App IV)	mg/l	16	15	94%	0.000123	0.685	↔	-0.00161	0.054	↔	2024-02-06	0.603
18_3_115	MW-9	Appendix IV	Lead	mg/l	16	16	100%	-0.00000000000000148	1.000	↔	-0.00000419	0.001	↓	2024-02-06	0.876
18_3_116	MW-9	Appendix IV	Lithium	mg/l	16	16	100%	-0.00000128	0.342	↔	-0.00000226	0.504	↔	2024-08-07	0.342
18_3_117	MW-9	Appendix IV	Mercury	mg/l	16	16	100%	-0.0000000000000214	1.000	↔	-0.000000115	0.001	↓	2024-02-06	0.876
18_3_118	MW-9	Appendix IV	Molybdenum	mg/l	16	16	100%	-0.0000000000174	1.000	↔	-0.00000642	0.001	↓	2024-02-06	0.876
18_3_121	MW-9	Appendix IV	Radium-226+228	pci/l	16	0	0%	0.00618	0.273	↔	-0.000456	0.377	↔	2021-12-20	0.184
18_3_122	MW-9	Appendix IV	Selenium	mg/l	16	16	100%	-0.0000000000206	1.000	↔	-0.00000676	0.001	↓	2024-02-06	0.876
18_3_125	MW-9	Appendix IV	Thallium	mg/l	16	16	100%	-0.00000000000138	1.000	↔	-0.00000245	0.001	↓	2024-02-06	0.876
18_5_111	MW-9	Part 115	Copper	mg/l	16	16	100%	-0.0000000000000149	1.000	↔	-0.00000543	0.001	↓	2024-02-06	0.876
18_5_114	MW-9	Part 115	Iron	mg/l	16	16	100%	-0.000000000000000889	1.000	↔	-0.0000115	0.001	↓	2024-02-06	0.876
18_5_119	MW-9	Part 115	Nickel	mg/l	16	16	100%	-0.00000000000211	1.000	↔	-0.00000576	0.001	↓	2024-02-06	0.876
18_5_123	MW-9	Part 115	Silver	mg/l	16	16	100%	-0.00000000000224	1.000	↔	-0.000000735	0.001	↓	2024-02-06	0.876
18_5_128	MW-9	Part 115	Vanadium	mg/l	16	16	100%	-0.00000000000000211	1.000	↔	-0.00000688	0.001	↓	2024-02-06	0.876
18_5_129	MW-9	Part 115	Zinc	mg/l	16	14	88%	-0.000000510	0.679	↔	-0.00000684	0.045	↔	2024-02-28	0.689
19_2_105	MW-10	Appendix III	Boron	mg/l	16	1	6%	-0.0000159	0.524	↔	0.00000564	0.540	↔	2023-02-07	0.124
19_2_107	MW-10	Appendix III	Calcium	mg/l	16	0	0%	0.0357	0.459	↔	-0.0139	0.042	↔	2022-01-25	0.390
19_2_108	MW-10	Appendix III	Chloride	mg/l	16	9	56%	0.00198	0.257	↔	-0.00826	0.074	↔	2024-01-30	0.496
19_2_112	MW-10	Appendix III	Fluoride	mg/l	16	12	75%	0.000119	0.685	↔	-0.00155	0.054	↔	2024-02-08	0.603
19_2_120	MW-10	Appendix III	pH, Field	su	16	0	0%	-0.00323	0.197	↔	0.0000676	0.513	↔	2021-10-13	0.294
19_2_124	MW-10	Appendix III	Sulfate	mg/l	16	0	0%	0.00593	0.218	↔	-0.00971	0.419	↔	2024-01-30	0.169
19_2_126	MW-10	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.0749	0.276	↔	-0.106	0.044	↔	2023-02-08	0.461
19_3_101	MW-10	Appendix IV	Antimony	mg/l	16	16	100%	-0.0000000000000184	1.000	↔	-0.00000730	0.001	↓	2024-02-07	0.877
19_3_102	MW-10	Appendix IV	Arsenic	mg/l	16	14	88%	-0.00000000000440	1.000	↔	-0.00000195	0.001	↓	2024-02-07	0.870
19_3_103	MW-10	Appendix IV	Barium	mg/l	16	0	0%	-0.0000190	0.137	↔	-0.00000653	0.015	↔	2022-02-25	0.783
19_3_104	MW-10	Appendix IV	Beryllium	mg/l	16	16	100%	-0.00000000000365	1.000	↔	-0.00000120	0.001	↓	2024-02-07	0.877
19_3_106	MW-10	Appendix IV	Cadmium	mg/l	16	14	88%	-0.000000000000000160	1.000	↔	-0.000000546	0.002	↓	2023-12-19	0.781

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Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
19_3_109	MW-10	Appendix IV	Chromium	mg/l	16	16	100%	-0.00000000000000772	1.000	↔	-0.00000627	0.001	↓	2024-02-07	0.877
19_3_110	MW-10	Appendix IV	Cobalt	mg/l	16	14	88%	-0.0000000000000220	1.000	↔	-0.00000805	0.001	↓	2024-02-05	0.875
19_3_113	MW-10	Appendix IV	Fluoride (App IV)	mg/l	16	12	75%	0.000119	0.685	↔	-0.00155	0.054	↔	2024-02-08	0.603
19_3_115	MW-10	Appendix IV	Lead	mg/l	16	16	100%	-0.00000000000000585	1.000	↔	-0.00000420	0.001	↓	2024-02-07	0.877
19_3_116	MW-10	Appendix IV	Lithium	mg/l	16	16	100%	-0.00000128	0.342	↔	-0.00000227	0.504	↔	2024-08-07	0.342
19_3_117	MW-10	Appendix IV	Mercury	mg/l	16	15	94%	-0.000000000000213	1.000	↔	-0.000000115	0.001	↓	2024-02-07	0.877
19_3_118	MW-10	Appendix IV	Molybdenum	mg/l	16	16	100%	-0.0000000000000177	1.000	↔	-0.00000643	0.001	↓	2024-02-07	0.877
19_3_121	MW-10	Appendix IV	Radium-226+228	pci/l	16	0	0%	0.00169	0.022	↔	-0.00416	0.230	↔	2024-10-31	0.422
19_3_122	MW-10	Appendix IV	Selenium	mg/l	16	13	81%	0.000000000000290	1.000	↔	-0.00000518	0.001	↓	2024-01-10	0.824
19_3_125	MW-10	Appendix IV	Thallium	mg/l	16	15	94%	-0.00000000000514	1.000	↔	-0.00000179	0.006	↓	2023-11-29	0.732
19_5_111	MW-10	Part 115	Copper	mg/l	16	16	100%	-0.0000000000000150	1.000	↔	-0.00000544	0.001	↓	2024-02-07	0.877
19_5_119	MW-10	Part 115	Nickel	mg/l	16	16	100%	-0.00000000000205	1.000	↔	-0.00000577	0.001	↓	2024-02-07	0.877
19_5_123	MW-10	Part 115	Silver	mg/l	16	16	100%	-0.00000000000224	1.000	↔	-0.000000737	0.001	↓	2024-02-07	0.877
19_5_128	MW-10	Part 115	Vanadium	mg/l	16	15	94%	0.000000000000258	1.000	↔	-0.00000663	0.000	↓	2024-01-28	0.866
19_5_129	MW-10	Part 115	Zinc	mg/l	16	13	81%	0.0000297	0.260	↔	-0.00000630	0.019	↔	2022-01-10	0.424
20_2_105	MW-13	Appendix III	Boron	mg/l	15	0	0%	0.000224	0.075	↔	-0.0000257	0.192	↔	2022-09-25	0.370
20_2_107	MW-13	Appendix III	Calcium	mg/l	15	0	0%	-0.600	0.032	↔	0.0545	0.000	↑	2022-05-04	0.838
20_2_108	MW-13	Appendix III	Chloride	mg/l	15	2	13%	0.111	0.000	↑	-0.0327	0.000	↓	2023-02-23	0.868
20_2_112	MW-13	Appendix III	Fluoride	mg/l	15	12	80%	0.000000000000234	1.000	↔	-0.00142	0.002	↓	2024-02-11	0.878
20_2_120	MW-13	Appendix III	pH, Field	su	15	0	0%	0.00211	0.457	↔	-0.000301	0.062	↔	2022-06-29	0.309
20_2_124	MW-13	Appendix III	Sulfate	mg/l	15	0	0%	0.157	0.001	↑	-0.0534	0.690	↔	2024-08-30	0.752
20_2_126	MW-13	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	-1.53	0.553	↔	0.233	0.000	↑	2022-05-03	0.783
20_3_101	MW-13	Appendix IV	Antimony	mg/l	15	15	100%	-0.000000000000938	1.000	↔	-0.00000731	0.002	↓	2024-02-08	0.876
20_3_102	MW-13	Appendix IV	Arsenic	mg/l	15	9	60%	0.00000726	0.002	↑	-0.00000623	0.066	↔	2024-05-20	0.719
20_3_103	MW-13	Appendix IV	Barium	mg/l	15	0	0%	-0.000114	0.684	↔	0.0000171	0.002	↑	2022-04-13	0.626
20_3_104	MW-13	Appendix IV	Beryllium	mg/l	15	15	100%	-0.00000000000000443	1.000	↔	-0.00000121	0.002	↓	2024-02-08	0.876
20_3_106	MW-13	Appendix IV	Cadmium	mg/l	15	15	100%	-0.0000000000000896	1.000	↔	-0.000000698	0.002	↓	2024-02-08	0.876
20_3_109	MW-13	Appendix IV	Chromium	mg/l	15	15	100%	-0.0000000000000329	1.000	↔	-0.00000627	0.002	↓	2024-02-08	0.876
20_3_110	MW-13	Appendix IV	Cobalt	mg/l	15	12	80%	-0.00000000000598	1.000	↔	-0.00000788	0.000	↓	2024-03-13	0.904
20_3_113	MW-13	Appendix IV	Fluoride (App IV)	mg/l	15	12	80%	0.000000000000234	1.000	↔	-0.00142	0.002	↓	2024-02-11	0.878
20_3_115	MW-13	Appendix IV	Lead	mg/l	15	15	100%	-0.0000000000000175	1.000	↔	-0.00000421	0.002	↓	2024-02-08	0.876
20_3_116	MW-13	Appendix IV	Lithium	mg/l	15	15	100%	-0.00000000000000370	1.000	↔	-0.00000264	0.002	↓	2024-02-08	0.876
20_3_117	MW-13	Appendix IV	Mercury	mg/l	15	15	100%	-0.0000000000000148	1.000	↔	-0.000000116	0.002	↓	2024-02-08	0.876
20_3_118	MW-13	Appendix IV	Molybdenum	mg/l	15	15	100%	-0.000000000000000947	1.000	↔	-0.00000644	0.002	↓	2024-02-08	0.876
20_3_121	MW-13	Appendix IV	Radium-226+228	pci/l	15	1	7%	-0.00233	0.557	↔	0.000350	0.706	↔	2022-11-07	0.048
20_3_122	MW-13	Appendix IV	Selenium	mg/l	15	13	87%	0.00000000000122	1.000	↔	-0.00000358	0.136	↔	2024-01-15	0.367
20_3_125	MW-13	Appendix IV	Thallium	mg/l	15	15	100%	-0.00000000000000284	1.000	↔	-0.00000246	0.002	↓	2024-02-08	0.876
20_5_111	MW-13	Part 115	Copper	mg/l	15	15	100%	-0.0000000000000285	1.000	↔	-0.00000545	0.002	↓	2024-02-08	0.876
20_5_114	MW-13	Part 115	Iron	mg/l	15	1	7%	0.00110	0.013	↔	-0.0000311	0.982	↔	2024-08-07	0.611
20_5_119	MW-13	Part 115	Nickel	mg/l	15	15	100%	-0.0000000000000213	1.000	↔	-0.00000578	0.002	↓	2024-02-08	0.876
20_5_123	MW-13	Part 115	Silver	mg/l	15	15	100%	-0.0000000000000947	1.000	↔	-0.000000738	0.002	↓	2024-02-08	0.876
20_5_128	MW-13	Part 115	Vanadium	mg/l	15	13	87%	0.0000000000000000778	1.000	↔	-0.00000615	0.000	↓	2024-01-24	0.852

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Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
20_5_129	MW-13	Part 115	Zinc	mg/l	15	12	80%	-0.000000984	0.654	↔	-0.00000774	0.055	↔	2024-07-22	0.594
21_2_105	MW-14	Appendix III	Boron	mg/l	13	0	0%	-0.000265	0.050	↔	-0.00159	0.038	↔	2025-07-05	0.825
21_2_107	MW-14	Appendix III	Calcium	mg/l	13	0	0%	0.0450	0.001	↑	-0.00361	0.859	↔	2024-08-05	0.820
21_2_108	MW-14	Appendix III	Chloride	mg/l	13	0	0%	-0.00760	0.300	↔	0.0529	0.203	↔	2025-06-22	0.279
21_2_112	MW-14	Appendix III	Fluoride	mg/l	13	10	77%	0.0000000000000869	1.000	↔	-0.00140	0.004	↓	2024-02-09	0.877
21_2_120	MW-14	Appendix III	pH, Field	su	15	0	0%	-0.0000591	0.594	↔	-0.000344	0.553	↔	2025-02-04	0.438
21_2_124	MW-14	Appendix III	Sulfate	mg/l	13	0	0%	-0.780	0.439	↔	-0.00547	0.989	↔	2023-09-23	0.131
21_2_126	MW-14	Appendix III	Total Dissolved Solids	mg/l	13	1	8%	0.996	0.361	↔	-0.136	0.744	↔	2023-10-25	0.150
21_3_101	MW-14	Appendix IV	Antimony	mg/l	13	13	100%	0.0000000000270	1.000	↔	-0.00000717	0.001	↓	2024-01-30	0.868
21_3_102	MW-14	Appendix IV	Arsenic	mg/l	13	0	0%	0.0000125	0.014	↔	-0.00000149	0.176	↔	2023-09-14	0.673
21_3_104	MW-14	Appendix IV	Beryllium	mg/l	13	13	100%	0.000000000000715	1.000	↔	-0.00000118	0.001	↓	2024-01-30	0.868
21_3_106	MW-14	Appendix IV	Cadmium	mg/l	13	13	100%	0.0000000000000118	1.000	↔	-0.000000684	0.001	↓	2024-01-30	0.868
21_3_109	MW-14	Appendix IV	Chromium	mg/l	13	13	100%	0.00000000000917	1.000	↔	-0.00000615	0.001	↓	2024-01-30	0.868
21_3_110	MW-14	Appendix IV	Cobalt	mg/l	13	10	77%	-0.00000000000000948	1.000	↔	-0.00000725	0.004	↓	2024-02-07	0.875
21_3_113	MW-14	Appendix IV	Fluoride (App IV)	mg/l	13	10	77%	0.0000000000000869	1.000	↔	-0.00140	0.004	↓	2024-02-09	0.877
21_3_115	MW-14	Appendix IV	Lead	mg/l	13	13	100%	0.00000000000330	1.000	↔	-0.00000413	0.001	↓	2024-01-30	0.868
21_3_116	MW-14	Appendix IV	Lithium	mg/l	13	0	0%	-0.000169	0.006	↓	-0.0000197	0.000	↓	2023-04-09	0.957
21_3_117	MW-14	Appendix IV	Mercury	mg/l	13	13	100%	0.000000000000166	1.000	↔	-0.000000113	0.001	↓	2024-01-30	0.868
21_3_122	MW-14	Appendix IV	Selenium	mg/l	13	11	85%	0.0000227	0.318	↔	-0.00000867	0.007	↓	2023-06-21	0.607
21_3_125	MW-14	Appendix IV	Thallium	mg/l	13	13	100%	-0.000000000000422	1.000	↔	-0.00000241	0.001	↓	2024-01-30	0.868
21_5_111	MW-14	Part 115	Copper	mg/l	13	13	100%	-0.000000000000762	1.000	↔	-0.00000534	0.001	↓	2024-01-30	0.868
21_5_114	MW-14	Part 115	Iron	mg/l	13	0	0%	0.0198	0.000	↑	0.000646	0.660	↔	2023-11-27	0.923
21_5_119	MW-14	Part 115	Nickel	mg/l	13	6	46%	-0.00000151	0.011	↔	-0.00000103	0.707	↔	2025-02-04	0.738
21_5_123	MW-14	Part 115	Silver	mg/l	13	13	100%	0.00000000000109	1.000	↔	-0.000000723	0.001	↓	2024-01-30	0.868
21_5_128	MW-14	Part 115	Vanadium	mg/l	13	10	77%	-0.000000000000745	1.000	↔	-0.00000571	0.002	↓	2024-02-25	0.889
21_5_129	MW-14	Part 115	Zinc	mg/l	13	10	77%	0.0000366	0.065	↔	-0.0000191	0.207	↔	2024-01-31	0.411
22_2_105	MW-15	Appendix III	Boron	mg/l	13	0	0%	0.000359	0.133	↔	-0.000168	0.080	↔	2023-10-20	0.447
22_2_107	MW-15	Appendix III	Calcium	mg/l	13	0	0%	-1.19	0.058	↔	0.00804	0.524	↔	2023-02-28	0.615
22_2_108	MW-15	Appendix III	Chloride	mg/l	13	0	0%	-0.395	0.010	↓	0.0405	0.000	↑	2023-04-16	0.883
22_2_112	MW-15	Appendix III	Fluoride	mg/l	13	10	77%	-0.0000000000000632	1.000	↔	-0.00157	0.005	↓	2024-02-06	0.871
22_2_120	MW-15	Appendix III	pH, Field	su	13	0	0%	-0.000768	0.016	↔	0.000378	0.111	↔	2024-04-06	0.611
22_2_124	MW-15	Appendix III	Sulfate	mg/l	13	0	0%	-2.86	0.015	↔	-0.00413	0.849	↔	2023-02-26	0.753
22_2_126	MW-15	Appendix III	Total Dissolved Solids	mg/l	13	0	0%	-2.67	0.091	↔	0.0217	0.747	↔	2023-04-02	0.508
22_3_101	MW-15	Appendix IV	Antimony	mg/l	13	13	100%	-0.00000000000000489	1.000	↔	-0.00000727	0.005	↓	2024-02-05	0.869
22_3_102	MW-15	Appendix IV	Arsenic	mg/l	13	10	77%	-0.00000000000468	1.000	↔	-0.00000204	0.001	↓	2024-03-30	0.913
22_3_104	MW-15	Appendix IV	Beryllium	mg/l	13	13	100%	-0.00000000000000430	1.000	↔	-0.00000120	0.005	↓	2024-02-05	0.869
22_3_106	MW-15	Appendix IV	Cadmium	mg/l	13	12	92%	0.00000000000153	1.000	↔	-0.000000692	0.005	↓	2024-02-05	0.869
22_3_109	MW-15	Appendix IV	Chromium	mg/l	13	13	100%	-0.00000000000000821	1.000	↔	-0.00000624	0.005	↓	2024-02-05	0.869
22_3_110	MW-15	Appendix IV	Cobalt	mg/l	13	11	85%	0.000000000000702	1.000	↔	-0.00000771	0.006	↓	2024-02-01	0.864
22_3_113	MW-15	Appendix IV	Fluoride (App IV)	mg/l	13	10	77%	-0.0000000000000632	1.000	↔	-0.00157	0.005	↓	2024-02-06	0.871
22_3_115	MW-15	Appendix IV	Lead	mg/l	13	13	100%	0.00000000000832	1.000	↔	-0.00000418	0.005	↓	2024-02-05	0.869
22_3_117	MW-15	Appendix IV	Mercury	mg/l	13	13	100%	0.000000000000164	1.000	↔	-0.000000115	0.005	↓	2024-02-05	0.869

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
22_3_118	MW-15	Appendix IV	Molybdenum	mg/l	13	13	100%	0.0000000000135	1.000	↔	-0.00000640	0.005	↓	2024-02-05	0.869
22_3_122	MW-15	Appendix IV	Selenium	mg/l	13	5	38%	-0.0000761	0.093	↔	0.0000162	0.333	↔	2023-10-24	0.374
22_3_125	MW-15	Appendix IV	Thallium	mg/l	13	13	100%	0.00000000000813	1.000	↔	-0.00000244	0.005	↓	2024-02-05	0.869
22_5_111	MW-15	Part 115	Copper	mg/l	13	13	100%	0.00000000000477	1.000	↔	-0.00000541	0.005	↓	2024-02-05	0.869
22_5_114	MW-15	Part 115	Iron	mg/l	13	1	8%	0.000381	0.049	↔	-0.000257	0.465	↔	2024-08-07	0.420
22_5_119	MW-15	Part 115	Nickel	mg/l	13	12	92%	-0.00000000000000666	1.000	↔	-0.00000552	0.006	↓	2024-02-05	0.866
22_5_123	MW-15	Part 115	Silver	mg/l	13	13	100%	0.00000000000210	1.000	↔	-0.000000733	0.005	↓	2024-02-05	0.869
22_5_128	MW-15	Part 115	Vanadium	mg/l	13	13	100%	0.00000000000786	1.000	↔	-0.00000686	0.005	↓	2024-02-05	0.869
22_5_129	MW-15	Part 115	Zinc	mg/l	13	11	85%	0.0000426	0.660	↔	-0.00000887	0.070	↔	2023-04-27	0.329
23_2_105	MW-16A	Appendix III	Boron	mg/l	14	0	0%	0.000142	0.059	↔	-0.000813	0.051	↔	2025-07-15	0.487
23_2_107	MW-16A	Appendix III	Calcium	mg/l	14	0	0%	0.249	0.008	↑	-0.0616	0.031	↔	2023-11-03	0.652
23_2_108	MW-16A	Appendix III	Chloride	mg/l	14	0	0%	0.272	0.008	↑	-0.275	0.003	↓	2024-06-02	0.730
23_2_112	MW-16A	Appendix III	Fluoride	mg/l	14	11	79%	0.00516	0.205	↔	-0.00398	0.052	↔	2024-01-31	0.415
23_2_120	MW-16A	Appendix III	pH, Field	su	14	0	0%	-0.00137	0.234	↔	-0.0000538	0.577	↔	2023-05-30	0.329
23_2_124	MW-16A	Appendix III	Sulfate	mg/l	14	0	0%	0.615	0.000	↑	-0.155	0.141	↔	2024-02-01	0.774
23_2_126	MW-16A	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	1.36	0.002	↑	-0.858	0.012	↔	2024-03-05	0.727
23_3_101	MW-16A	Appendix IV	Antimony	mg/l	14	12	86%	0.0000000000306	1.000	↔	-0.00000668	0.001	↓	2024-01-21	0.847
23_3_102	MW-16A	Appendix IV	Arsenic	mg/l	14	0	0%	0.00000471	0.124	↔	-0.00000396	0.014	↔	2024-01-31	0.561
23_3_103	MW-16A	Appendix IV	Barium	mg/l	14	0	0%	0.000150	0.075	↔	-0.0000713	0.074	↔	2023-12-13	0.450
23_3_104	MW-16A	Appendix IV	Beryllium	mg/l	14	13	93%	0.00000000000278	1.000	↔	-0.000000991	0.003	↓	2023-12-28	0.792
23_3_106	MW-16A	Appendix IV	Cadmium	mg/l	14	12	86%	0.00000000101	0.997	↔	-0.000000432	0.015	↔	2023-11-22	0.710
23_3_109	MW-16A	Appendix IV	Chromium	mg/l	14	14	100%	-0.00000000000381	1.000	↔	-0.00000619	0.003	↓	2024-02-04	0.873
23_3_110	MW-16A	Appendix IV	Cobalt	mg/l	14	11	79%	0.0000000000360	1.000	↔	-0.00000726	0.001	↓	2024-03-17	0.909
23_3_113	MW-16A	Appendix IV	Fluoride (App IV)	mg/l	14	11	79%	0.00516	0.205	↔	-0.00398	0.052	↔	2024-01-31	0.415
23_3_115	MW-16A	Appendix IV	Lead	mg/l	14	14	100%	-0.00000000000928	1.000	↔	-0.00000416	0.003	↓	2024-02-04	0.873
23_3_116	MW-16A	Appendix IV	Lithium	mg/l	14	11	79%	-0.00000000000162	1.000	↔	-0.00000239	0.003	↓	2024-02-24	0.865
23_3_117	MW-16A	Appendix IV	Mercury	mg/l	14	14	100%	-0.000000000000154	1.000	↔	-0.000000114	0.003	↓	2024-02-04	0.873
23_3_118	MW-16A	Appendix IV	Molybdenum	mg/l	14	11	79%	-0.00000000000265	1.000	↔	-0.00000520	0.004	↓	2024-03-03	0.848
23_3_121	MW-16A	Appendix IV	Radium-226+228	pci/l	14	1	7%	0.00620	0.485	↔	-0.00315	0.290	↔	2023-10-17	0.166
23_3_122	MW-16A	Appendix IV	Selenium	mg/l	14	13	93%	-0.0000000000110	1.000	↔	-0.00000670	0.003	↓	2024-02-04	0.873
23_3_125	MW-16A	Appendix IV	Thallium	mg/l	14	13	93%	0.00000000000600	1.000	↔	-0.00000237	0.003	↓	2024-02-04	0.871
23_5_111	MW-16A	Part 115	Copper	mg/l	14	14	100%	-0.00000000000727	1.000	↔	-0.00000538	0.003	↓	2024-02-04	0.873
23_5_114	MW-16A	Part 115	Iron	mg/l	14	0	0%	0.000763	0.549	↔	-0.00657	0.019	↔	2024-12-15	0.631
23_5_119	MW-16A	Part 115	Nickel	mg/l	14	12	86%	-0.00000000000446	1.000	↔	-0.00000532	0.004	↓	2024-02-03	0.861
23_5_123	MW-16A	Part 115	Silver	mg/l	14	14	100%	-0.00000000000000139	1.000	↔	-0.000000729	0.003	↓	2024-02-04	0.873
23_5_128	MW-16A	Part 115	Vanadium	mg/l	14	14	100%	-0.0000000000000248	1.000	↔	-0.00000681	0.003	↓	2024-02-04	0.873
23_5_129	MW-16A	Part 115	Zinc	mg/l	14	14	100%	-0.0000000000000250	1.000	↔	-0.00000663	0.003	↓	2024-02-04	0.873
24_2_107	MW-16B	Appendix III	Calcium	mg/l	14	0	0%	0.0322	0.004	↑	-0.0103	0.030	↔	2023-12-07	0.677
24_2_108	MW-16B	Appendix III	Chloride	mg/l	14	5	36%	-0.00562	0.053	↔	0.0731	0.000	↑	2025-07-08	0.826
24_2_112	MW-16B	Appendix III	Fluoride	mg/l	14	8	57%	-0.00139	0.436	↔	0.000217	0.336	↔	2023-08-07	0.177
24_2_120	MW-16B	Appendix III	pH, Field	su	14	0	0%	0.0000549	0.767	↔	-0.000571	0.129	↔	2024-12-17	0.384
24_2_126	MW-16B	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	0.0254	0.286	↔	-0.0424	0.048	↔	2024-05-03	0.495

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
24_3_101	MW-16B	Appendix IV	Antimony	mg/l	14	14	100%	-0.00000000000105	1.000	↔	-0.00000722	0.003	↓	2024-02-04	0.873
24_3_102	MW-16B	Appendix IV	Arsenic	mg/l	14	14	100%	0.000000148	0.854	↔	-0.00000195	0.000	↓	2023-12-26	0.872
24_3_103	MW-16B	Appendix IV	Barium	mg/l	14	0	0%	0.00000937	0.273	↔	-0.0000125	0.094	↔	2024-02-06	0.507
24_3_104	MW-16B	Appendix IV	Beryllium	mg/l	14	14	100%	0.00000000000195	1.000	↔	-0.00000119	0.003	↓	2024-02-04	0.873
24_3_106	MW-16B	Appendix IV	Cadmium	mg/l	14	14	100%	-0.00000000000000436	1.000	↔	-0.000000689	0.003	↓	2024-02-04	0.873
24_3_109	MW-16B	Appendix IV	Chromium	mg/l	14	14	100%	-0.00000000000381	1.000	↔	-0.00000619	0.003	↓	2024-02-04	0.873
24_3_110	MW-16B	Appendix IV	Cobalt	mg/l	14	14	100%	-0.0000000000000159	1.000	↔	-0.00000801	0.003	↓	2024-02-04	0.873
24_3_113	MW-16B	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	-0.00139	0.436	↔	0.000217	0.336	↔	2023-08-07	0.177
24_3_115	MW-16B	Appendix IV	Lead	mg/l	14	14	100%	-0.00000000000928	1.000	↔	-0.00000416	0.003	↓	2024-02-04	0.873
24_3_116	MW-16B	Appendix IV	Lithium	mg/l	14	0	0%	-0.0000161	0.277	↔	-0.00000201	0.126	↔	2023-07-04	0.563
24_3_117	MW-16B	Appendix IV	Mercury	mg/l	14	14	100%	-0.000000000000154	1.000	↔	-0.000000114	0.003	↓	2024-02-04	0.873
24_3_121	MW-16B	Appendix IV	Radium-226+228	pci/l	14	1	7%	0.00511	0.419	↔	-0.00312	0.148	↔	2023-10-17	0.278
24_3_122	MW-16B	Appendix IV	Selenium	mg/l	14	13	93%	0.000000925	0.745	↔	-0.00000667	0.000	↓	2023-12-23	0.862
24_3_125	MW-16B	Appendix IV	Thallium	mg/l	14	14	100%	-0.0000000000156	1.000	↔	-0.00000243	0.003	↓	2024-02-04	0.873
24_5_111	MW-16B	Part 115	Copper	mg/l	14	14	100%	-0.00000000000727	1.000	↔	-0.00000538	0.003	↓	2024-02-04	0.873
24_5_114	MW-16B	Part 115	Iron	mg/l	14	0	0%	-0.00261	0.003	↓	-0.0000476	0.578	↔	2023-07-18	0.825
24_5_119	MW-16B	Part 115	Nickel	mg/l	14	14	100%	0.0000000000439	1.000	↔	-0.00000570	0.003	↓	2024-02-04	0.873
24_5_123	MW-16B	Part 115	Silver	mg/l	14	14	100%	-0.00000000000000139	1.000	↔	-0.000000729	0.003	↓	2024-02-04	0.873
24_5_128	MW-16B	Part 115	Vanadium	mg/l	14	14	100%	-0.0000000000000248	1.000	↔	-0.00000681	0.003	↓	2024-02-04	0.873
24_5_129	MW-16B	Part 115	Zinc	mg/l	14	13	93%	-0.00000000000695	1.000	↔	-0.00000577	0.009	↓	2024-02-03	0.826
25_2_105	MW-17A	Appendix III	Boron	mg/l	9	0	0%	0.00463	0.237	↔	-0.00189	0.442	↔	2025-02-27	0.338
25_2_107	MW-17A	Appendix III	Calcium	mg/l	9	0	0%	-0.0624	0.727	↔	0.0551	0.642	↔	2025-04-29	0.071
25_2_108	MW-17A	Appendix III	Chloride	mg/l	9	0	0%	-0.00286	0.952	↔	0.0141	0.113	↔	2025-01-22	0.523
25_2_112	MW-17A	Appendix III	Fluoride	mg/l	9	3	33%	0.0125	0.237	↔	-0.00124	0.114	↔	2024-11-23	0.535
25_3_101	MW-17A	Appendix IV	Antimony	mg/l	9	9	100%	-0.0000375	0.012	↔	0.0000000000000758	1.000	↔	2025-02-27	0.851
25_3_103	MW-17A	Appendix IV	Barium	mg/l	9	0	0%	-0.0000929	0.033	↔	0.00000123	0.907	↔	2025-02-08	0.816
25_3_104	MW-17A	Appendix IV	Beryllium	mg/l	9	9	100%	-0.00000617	0.012	↔	0.00000000000682	1.000	↔	2025-02-27	0.851
25_3_106	MW-17A	Appendix IV	Cadmium	mg/l	9	8	89%	-0.0000161	0.488	↔	-0.0000000443	0.995	↔	2025-02-26	0.297
25_3_109	MW-17A	Appendix IV	Chromium	mg/l	9	9	100%	-0.000158	0.347	↔	0.000000000000154	1.000	↔	2025-02-27	0.290
25_3_110	MW-17A	Appendix IV	Cobalt	mg/l	9	7	78%	-0.0000416	0.012	↔	0.000000572	0.938	↔	2025-02-28	0.849
25_3_113	MW-17A	Appendix IV	Fluoride (App IV)	mg/l	9	3	33%	0.0125	0.237	↔	-0.00124	0.114	↔	2024-11-23	0.535
25_3_115	MW-17A	Appendix IV	Lead	mg/l	9	9	100%	-0.0000216	0.012	↔	0.000000000000000859	1.000	↔	2025-02-27	0.851
25_3_117	MW-17A	Appendix IV	Mercury	mg/l	9	9	100%	-0.000000592	0.012	↔	0.0000000000000144	1.000	↔	2025-02-27	0.851
25_3_121	MW-17A	Appendix IV	Radium-226+228	pci/l	9	2	22%	0.0168	0.823	↔	-0.00496	0.367	↔	2024-12-17	0.172
25_3_122	MW-17A	Appendix IV	Selenium	mg/l	9	8	89%	-0.0000347	0.040	↔	-0.0000000718	0.986	↔	2025-02-26	0.849
25_3_125	MW-17A	Appendix IV	Thallium	mg/l	9	8	89%	-0.0000126	0.046	↔	-0.000000183	0.908	↔	2025-02-20	0.829
25_5_111	MW-17A	Part 115	Copper	mg/l	9	9	100%	-0.000154	0.358	↔	0.00000000000000557	1.000	↔	2025-02-27	0.280
25_5_114	MW-17A	Part 115	Iron	mg/l	9	0	0%	0.00407	0.302	↔	-0.00380	0.697	↔	2025-08-05	0.242
25_5_119	MW-17A	Part 115	Nickel	mg/l	9	1	11%	-0.0000865	0.523	↔	0.00000237	0.978	↔	2025-03-29	0.200
25_5_123	MW-17A	Part 115	Silver	mg/l	9	9	100%	-0.0000164	0.333	↔	0.00000000000562	1.000	↔	2025-02-27	0.304
25_5_128	MW-17A	Part 115	Vanadium	mg/l	9	9	100%	-0.0000354	0.012	↔	0.0000000000000201	1.000	↔	2025-02-27	0.851
26_2_105	MW-17B	Appendix III	Boron	mg/l	9	0	0%	-0.00821	0.445	↔	-0.000844	0.798	↔	2025-01-23	0.294

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
26_2_107	MW-17B	Appendix III	Calcium	mg/l	9	0	0%	-0.310	0.421	↔	0.0804	0.744	↔	2025-05-30	0.396
26_2_108	MW-17B	Appendix III	Chloride	mg/l	9	0	0%	-0.350	0.017	↔	0.0197	0.036	↔	2024-11-13	0.815
26_2_124	MW-17B	Appendix III	Sulfate	mg/l	9	0	0%	-0.463	0.660	↔	-0.110	0.873	↔	2025-05-23	0.238
26_2_126	MW-17B	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	-1.46	0.473	↔	-0.121	0.926	↔	2025-05-11	0.388
26_3_101	MW-17B	Appendix IV	Antimony	mg/l	9	9	100%	-0.0000375	0.012	↔	0.0000000000000758	1.000	↔	2025-02-27	0.851
26_3_104	MW-17B	Appendix IV	Beryllium	mg/l	9	9	100%	-0.00000617	0.012	↔	0.00000000000682	1.000	↔	2025-02-27	0.851
26_3_106	MW-17B	Appendix IV	Cadmium	mg/l	9	8	89%	-0.0000161	0.487	↔	-0.0000000380	0.996	↔	2025-02-26	0.298
26_3_109	MW-17B	Appendix IV	Chromium	mg/l	9	9	100%	-0.000158	0.347	↔	0.000000000000154	1.000	↔	2025-02-27	0.290
26_3_110	MW-17B	Appendix IV	Cobalt	mg/l	9	5	56%	-0.0000410	0.011	↔	0.000000287	0.968	↔	2025-03-02	0.859
26_3_115	MW-17B	Appendix IV	Lead	mg/l	9	9	100%	-0.0000216	0.012	↔	0.000000000000000859	1.000	↔	2025-02-27	0.851
26_3_117	MW-17B	Appendix IV	Mercury	mg/l	9	9	100%	-0.000000592	0.012	↔	0.0000000000000144	1.000	↔	2025-02-27	0.851
26_3_118	MW-17B	Appendix IV	Molybdenum	mg/l	9	0	0%	0.000107	0.817	↔	0.0000429	0.771	↔	2025-01-30	0.099
26_3_121	MW-17B	Appendix IV	Radium-226+228	pci/l	9	2	22%	-0.0193	0.000	↓	0.000975	0.173	↔	2025-01-31	0.975
26_3_122	MW-17B	Appendix IV	Selenium	mg/l	9	9	100%	-0.0000348	0.012	↔	0.000000000000000144	1.000	↔	2025-02-27	0.851
26_3_125	MW-17B	Appendix IV	Thallium	mg/l	9	9	100%	-0.0000126	0.012	↔	0.000000000000167	1.000	↔	2025-02-27	0.851
26_5_111	MW-17B	Part 115	Copper	mg/l	9	9	100%	-0.000154	0.358	↔	0.00000000000000557	1.000	↔	2025-02-27	0.280
26_5_114	MW-17B	Part 115	Iron	mg/l	9	0	0%	-0.0152	0.372	↔	-0.000527	0.961	↔	2025-03-26	0.359
26_5_123	MW-17B	Part 115	Silver	mg/l	9	9	100%	-0.0000164	0.333	↔	0.00000000000562	1.000	↔	2025-02-27	0.304
26_5_128	MW-17B	Part 115	Vanadium	mg/l	9	9	100%	-0.0000354	0.012	↔	0.0000000000000201	1.000	↔	2025-02-27	0.851
27_2_105	MW-17C	Appendix III	Boron	mg/l	9	0	0%	0.00608	0.008	↑	-0.00558	0.002	↓	2025-05-27	0.925
27_2_107	MW-17C	Appendix III	Calcium	mg/l	9	0	0%	0.477	0.124	↔	0.0178	0.836	↔	2025-02-23	0.729
27_2_108	MW-17C	Appendix III	Chloride	mg/l	9	0	0%	-0.198	0.437	↔	-0.0311	0.117	↔	2024-12-17	0.754
27_2_112	MW-17C	Appendix III	Fluoride	mg/l	9	2	22%	0.00223	0.839	↔	-0.000809	0.317	↔	2024-12-17	0.205
27_2_120	MW-17C	Appendix III	pH, Field	su	11	0	0%	-0.00476	0.290	↔	-0.000853	0.177	↔	2024-12-24	0.624
27_2_124	MW-17C	Appendix III	Sulfate	mg/l	9	0	0%	2.21	0.025	↔	-0.0760	0.745	↔	2025-02-09	0.831
27_2_126	MW-17C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	5.21	0.085	↔	-0.328	0.442	↔	2024-12-24	0.630
27_3_101	MW-17C	Appendix IV	Antimony	mg/l	9	8	89%	-0.0000370	0.011	↔	0.0000000000000221	1.000	↔	2025-02-28	0.859
27_3_104	MW-17C	Appendix IV	Beryllium	mg/l	9	9	100%	-0.00000617	0.012	↔	0.00000000000682	1.000	↔	2025-02-27	0.851
27_3_106	MW-17C	Appendix IV	Cadmium	mg/l	9	9	100%	-0.0000161	0.338	↔	0.00000000000672	1.000	↔	2025-02-27	0.299
27_3_109	MW-17C	Appendix IV	Chromium	mg/l	9	9	100%	-0.000158	0.347	↔	0.000000000000154	1.000	↔	2025-02-27	0.290
27_3_110	MW-17C	Appendix IV	Cobalt	mg/l	9	4	44%	-0.0000411	0.011	↔	0.00000197	0.785	↔	2025-03-07	0.853
27_3_113	MW-17C	Appendix IV	Fluoride (App IV)	mg/l	9	2	22%	0.00223	0.839	↔	-0.000809	0.317	↔	2024-12-17	0.205
27_3_115	MW-17C	Appendix IV	Lead	mg/l	9	6	67%	-0.0000215	0.045	↔	-0.0000000969	0.971	↔	2025-02-17	0.821
27_3_116	MW-17C	Appendix IV	Lithium	mg/l	9	0	0%	-0.000462	0.053	↔	-0.0000446	0.191	↔	2024-12-26	0.851
27_3_117	MW-17C	Appendix IV	Mercury	mg/l	9	9	100%	-0.000000592	0.012	↔	0.0000000000000144	1.000	↔	2025-02-27	0.851
27_3_118	MW-17C	Appendix IV	Molybdenum	mg/l	9	0	0%	-0.000459	0.003	↓	0.00000284	0.962	↔	2025-03-22	0.934
27_3_121	MW-17C	Appendix IV	Radium-226+228	pci/l	9	0	0%	-0.00642	0.457	↔	0.000259	0.922	↔	2025-02-26	0.304
27_3_122	MW-17C	Appendix IV	Selenium	mg/l	9	9	100%	-0.0000348	0.012	↔	0.000000000000000144	1.000	↔	2025-02-27	0.851
27_3_125	MW-17C	Appendix IV	Thallium	mg/l	9	9	100%	-0.0000126	0.012	↔	0.000000000000167	1.000	↔	2025-02-27	0.851
27_5_111	MW-17C	Part 115	Copper	mg/l	9	9	100%	-0.000154	0.358	↔	0.00000000000000557	1.000	↔	2025-02-27	0.280
27_5_114	MW-17C	Part 115	Iron	mg/l	9	0	0%	0.00873	0.470	↔	-0.00642	0.422	↔	2025-06-30	0.398
27_5_119	MW-17C	Part 115	Nickel	mg/l	9	1	11%	-0.000152	0.460	↔	-0.0000109	0.863	↔	2025-01-25	0.263

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
27_5_123	MW-17C	Part 115	Silver	mg/l	9	9	100%	-0.0000164	0.333	↔	0.00000000000562	1.000	↔	2025-02-27	0.304
27_5_128	MW-17C	Part 115	Vanadium	mg/l	9	9	100%	-0.0000354	0.012	↔	0.0000000000000201	1.000	↔	2025-02-27	0.851
28_2_107	MW-18A	Appendix III	Calcium	mg/l	10	0	0%	0.439	0.313	↔	-0.0440	0.727	↔	2025-01-23	0.247
28_2_112	MW-18A	Appendix III	Fluoride	mg/l	10	0	0%	-0.00223	0.763	↔	0.000476	0.393	↔	2024-12-17	0.147
28_2_120	MW-18A	Appendix III	pH, Field	su	12	0	0%	-0.00750	0.364	↔	0.000629	0.206	↔	2024-11-30	0.307
28_2_126	MW-18A	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	0.852	0.526	↔	-0.0913	0.676	↔	2024-12-31	0.144
28_3_101	MW-18A	Appendix IV	Antimony	mg/l	10	10	100%	-0.0000375	0.005	↓	-0.00000000000000161	1.000	↔	2025-02-27	0.858
28_3_102	MW-18A	Appendix IV	Arsenic	mg/l	10	4	40%	0.0000111	0.823	↔	-0.00000679	0.098	↔	2024-12-17	0.408
28_3_103	MW-18A	Appendix IV	Barium	mg/l	10	0	0%	0.000302	0.532	↔	-0.0000802	0.324	↔	2025-01-04	0.214
28_3_104	MW-18A	Appendix IV	Beryllium	mg/l	10	10	100%	-0.00000617	0.005	↓	-0.0000000000123	1.000	↔	2025-02-27	0.858
28_3_106	MW-18A	Appendix IV	Cadmium	mg/l	10	10	100%	-0.0000161	0.290	↔	-0.0000000000152	1.000	↔	2025-02-27	0.311
28_3_109	MW-18A	Appendix IV	Chromium	mg/l	10	10	100%	-0.000158	0.299	↔	0.000000000000526	1.000	↔	2025-02-27	0.302
28_3_110	MW-18A	Appendix IV	Cobalt	mg/l	10	10	100%	-0.0000416	0.005	↓	-0.00000000000000156	1.000	↔	2025-02-27	0.858
28_3_113	MW-18A	Appendix IV	Fluoride (App IV)	mg/l	10	0	0%	-0.00223	0.763	↔	0.000476	0.393	↔	2024-12-17	0.147
28_3_115	MW-18A	Appendix IV	Lead	mg/l	10	8	80%	-0.0000216	0.005	↓	0.00000000113	1.000	↔	2025-02-27	0.858
28_3_116	MW-18A	Appendix IV	Lithium	mg/l	10	0	0%	0.000456	0.383	↔	-0.000107	0.227	↔	2025-01-06	0.328
28_3_117	MW-18A	Appendix IV	Mercury	mg/l	10	10	100%	-0.000000592	0.005	↓	0.0000000000000268	1.000	↔	2025-02-27	0.858
28_3_121	MW-18A	Appendix IV	Radium-226+228	pci/l	10	2	20%	-0.0225	0.089	↔	0.00159	0.417	↔	2025-01-03	0.635
28_3_122	MW-18A	Appendix IV	Selenium	mg/l	10	9	90%	-0.0000347	0.026	↔	-0.000000649	0.861	↔	2025-02-21	0.845
28_3_125	MW-18A	Appendix IV	Thallium	mg/l	10	10	100%	-0.0000126	0.005	↓	-0.000000000000552	1.000	↔	2025-02-27	0.858
28_5_111	MW-18A	Part 115	Copper	mg/l	10	9	90%	-0.000154	0.310	↔	0.0000000340	1.000	↔	2025-02-27	0.290
28_5_114	MW-18A	Part 115	Iron	mg/l	10	0	0%	0.0235	0.343	↔	-0.00377	0.353	↔	2024-12-21	0.265
28_5_119	MW-18A	Part 115	Nickel	mg/l	10	10	100%	-0.000155	0.306	↔	0.000000000000302	1.000	↔	2025-02-27	0.296
28_5_123	MW-18A	Part 115	Silver	mg/l	10	10	100%	-0.0000164	0.285	↔	-0.000000000000839	1.000	↔	2025-02-27	0.316
28_5_128	MW-18A	Part 115	Vanadium	mg/l	10	10	100%	-0.0000354	0.005	↓	-0.00000000000000255	1.000	↔	2025-02-27	0.858
28_5_129	MW-18A	Part 115	Zinc	mg/l	10	7	70%	-0.0000233	0.329	↔	-0.00000177	0.952	↔	2025-06-24	0.290
29_2_105	MW-18B	Appendix III	Boron	mg/l	10	0	0%	0.00405	0.323	↔	-0.00270	0.596	↔	2025-06-02	0.211
29_2_107	MW-18B	Appendix III	Calcium	mg/l	10	0	0%	0.176	0.159	↔	-0.000000000507	1.000	↔	2025-06-24	0.470
29_2_112	MW-18B	Appendix III	Fluoride	mg/l	10	1	10%	0.00639	0.523	↔	-0.000873	0.252	↔	2024-12-12	0.318
29_2_120	MW-18B	Appendix III	pH, Field	su	12	0	0%	-0.000931	0.206	↔	-0.0000753	0.792	↔	2025-02-27	0.396
29_2_124	MW-18B	Appendix III	Sulfate	mg/l	10	0	0%	0.674	0.144	↔	-0.100	0.852	↔	2025-06-29	0.480
29_3_101	MW-18B	Appendix IV	Antimony	mg/l	10	10	100%	-0.0000375	0.005	↓	-0.00000000000000161	1.000	↔	2025-02-27	0.858
29_3_102	MW-18B	Appendix IV	Arsenic	mg/l	10	8	80%	-0.0000188	0.234	↔	0.000000204	0.964	↔	2025-02-25	0.524
29_3_103	MW-18B	Appendix IV	Barium	mg/l	10	0	0%	-0.0000530	0.348	↔	0.0000252	0.375	↔	2025-02-27	0.246
29_3_104	MW-18B	Appendix IV	Beryllium	mg/l	10	10	100%	-0.00000617	0.005	↓	-0.0000000000123	1.000	↔	2025-02-27	0.858
29_3_106	MW-18B	Appendix IV	Cadmium	mg/l	10	10	100%	-0.0000161	0.290	↔	-0.0000000000152	1.000	↔	2025-02-27	0.311
29_3_109	MW-18B	Appendix IV	Chromium	mg/l	10	10	100%	-0.000158	0.299	↔	0.000000000000526	1.000	↔	2025-02-27	0.302
29_3_110	MW-18B	Appendix IV	Cobalt	mg/l	10	10	100%	-0.0000416	0.005	↓	-0.00000000000000156	1.000	↔	2025-02-27	0.858
29_3_113	MW-18B	Appendix IV	Fluoride (App IV)	mg/l	10	1	10%	0.00639	0.523	↔	-0.000873	0.252	↔	2024-12-12	0.318
29_3_115	MW-18B	Appendix IV	Lead	mg/l	10	10	100%	-0.0000216	0.005	↓	-0.000000000000475	1.000	↔	2025-02-27	0.858
29_3_117	MW-18B	Appendix IV	Mercury	mg/l	11	10	91%	-0.000000589	0.287	↔	-0.000000207	0.154	↔	2025-01-23	0.624
29_3_118	MW-18B	Appendix IV	Molybdenum	mg/l	10	0	0%	0.0000642	0.562	↔	-0.0000749	0.598	↔	2025-05-29	0.103

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
29_3_121	MW-18B	Appendix IV	Radium-226+228	pci/l	10	0	0%	-0.0410	0.030	↔	0.00158	0.530	↔	2025-01-11	0.825
29_3_122	MW-18B	Appendix IV	Selenium	mg/l	10	10	100%	-0.0000348	0.005	↓	-0.000000000000000309	1.000	↔	2025-02-27	0.858
29_3_125	MW-18B	Appendix IV	Thallium	mg/l	10	10	100%	-0.0000126	0.005	↓	-0.000000000000552	1.000	↔	2025-02-27	0.858
29_5_111	MW-18B	Part 115	Copper	mg/l	10	10	100%	-0.000154	0.310	↔	-0.0000000000000196	1.000	↔	2025-02-27	0.292
29_5_119	MW-18B	Part 115	Nickel	mg/l	10	1	10%	-0.000117	0.545	↔	0.00000932	0.871	↔	2025-02-26	0.188
29_5_123	MW-18B	Part 115	Silver	mg/l	10	10	100%	-0.0000164	0.285	↔	-0.000000000000839	1.000	↔	2025-02-27	0.316
29_5_128	MW-18B	Part 115	Vanadium	mg/l	10	10	100%	-0.0000354	0.005	↓	-0.000000000000000255	1.000	↔	2025-02-27	0.858
29_5_129	MW-18B	Part 115	Zinc	mg/l	10	7	70%	-0.0000236	0.326	↔	0.0000126	0.671	↔	2025-06-13	0.221
30_2_105	MW-19A	Appendix III	Boron	mg/l	9	0	0%	0.0000918	0.133	↔	-0.00276	0.002	↓	2026-01-09	0.926
30_2_107	MW-19A	Appendix III	Calcium	mg/l	9	0	0%	0.0281	0.688	↔	-0.000000000815	1.000	↔	2025-10-01	0.065
30_2_108	MW-19A	Appendix III	Chloride	mg/l	9	0	0%	0.0242	0.389	↔	-0.312	0.013	↔	2025-12-05	0.831
30_2_112	MW-19A	Appendix III	Fluoride	mg/l	9	0	0%	0.000494	0.205	↔	-0.000426	0.150	↔	2025-09-29	0.529
30_2_120	MW-19A	Appendix III	pH, Field	su	9	0	0%	0.00146	0.457	↔	-0.000187	0.900	↔	2025-08-26	0.170
30_2_124	MW-19A	Appendix III	Sulfate	mg/l	9	0	0%	-0.650	0.085	↔	0.534	0.062	↔	2025-08-30	0.692
30_2_126	MW-19A	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	-0.154	0.904	↔	0.336	0.104	↔	2025-07-21	0.508
30_3_101	MW-19A	Appendix IV	Antimony	mg/l	9	8	89%	0.000000999	0.469	↔	-0.000000653	0.205	↔	2025-08-25	0.362
30_3_102	MW-19A	Appendix IV	Arsenic	mg/l	9	0	0%	0.0000193	0.011	↔	-0.0000108	0.031	↔	2025-09-09	0.837
30_3_103	MW-19A	Appendix IV	Barium	mg/l	9	0	0%	-0.000306	0.112	↔	-0.00000970	0.681	↔	2025-07-03	0.771
30_3_106	MW-19A	Appendix IV	Cadmium	mg/l	9	5	56%	0.000000766	0.124	↔	-0.000000806	0.046	↔	2025-09-29	0.680
30_3_110	MW-19A	Appendix IV	Cobalt	mg/l	9	4	44%	-0.00000827	0.019	↔	0.000000113	0.753	↔	2025-07-03	0.890
30_3_113	MW-19A	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.000494	0.205	↔	-0.000426	0.150	↔	2025-09-29	0.529
30_3_116	MW-19A	Appendix IV	Lithium	mg/l	9	0	0%	-0.00000514	0.542	↔	-0.00000861	0.749	↔	2025-11-04	0.301
30_3_118	MW-19A	Appendix IV	Molybdenum	mg/l	9	0	0%	-0.00000128	0.690	↔	-0.00000501	0.318	↔	2025-11-02	0.471
30_3_121	MW-19A	Appendix IV	Radium-226+228	pci/l	9	4	44%	0.00284	0.129	↔	-0.000946	0.449	↔	2025-09-29	0.641
30_3_122	MW-19A	Appendix IV	Selenium	mg/l	9	8	89%	0.00000169	0.231	↔	-0.00000175	0.390	↔	2025-09-30	0.364
30_3_125	MW-19A	Appendix IV	Thallium	mg/l	9	7	78%	0.000000659	0.231	↔	-0.000000681	0.390	↔	2025-09-30	0.364
30_5_114	MW-19A	Part 115	Iron	mg/l	9	0	0%	0.00337	0.361	↔	-0.0241	0.463	↔	2025-12-15	0.406
30_5_119	MW-19A	Part 115	Nickel	mg/l	9	0	0%	0.00000775	0.145	↔	0.0000265	0.543	↔	2025-12-16	0.709
30_5_129	MW-19A	Part 115	Zinc	mg/l	9	8	89%	-0.0000328	0.004	↓	0.000000843	0.386	↔	2025-06-30	0.940
31_2_105	MW-19B	Appendix III	Boron	mg/l	9	0	0%	-0.000268	0.133	↔	-0.00129	0.044	↔	2025-11-13	0.914
31_2_107	MW-19B	Appendix III	Calcium	mg/l	9	0	0%	-0.0477	0.724	↔	0.0682	0.502	↔	2025-08-26	0.183
31_2_108	MW-19B	Appendix III	Chloride	mg/l	9	0	0%	0.00286	0.740	↔	0.0913	0.001	↑	2025-11-02	0.962
31_2_112	MW-19B	Appendix III	Fluoride	mg/l	9	0	0%	0.000849	0.209	↔	-0.000288	0.223	↔	2025-08-05	0.463
31_2_124	MW-19B	Appendix III	Sulfate	mg/l	9	0	0%	-0.169	0.250	↔	0.212	0.078	↔	2025-09-26	0.569
31_3_102	MW-19B	Appendix IV	Arsenic	mg/l	9	0	0%	-0.00000113	0.658	↔	-0.00000599	0.476	↔	2025-11-04	0.497
31_3_103	MW-19B	Appendix IV	Barium	mg/l	9	0	0%	-0.0000416	0.595	↔	-0.0000240	0.395	↔	2025-08-25	0.494
31_3_106	MW-19B	Appendix IV	Cadmium	mg/l	9	5	56%	-0.000000925	0.021	↔	-0.000000164	0.460	↔	2025-08-26	0.864
31_3_110	MW-19B	Appendix IV	Cobalt	mg/l	9	5	56%	-0.000000369	0.062	↔	-0.0000000104	0.966	↔	2025-09-30	0.690
31_3_113	MW-19B	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.000849	0.209	↔	-0.000288	0.223	↔	2025-08-05	0.463
31_3_116	MW-19B	Appendix IV	Lithium	mg/l	9	0	0%	-0.00000733	0.474	↔	-0.0000180	0.583	↔	2025-12-08	0.395
31_3_118	MW-19B	Appendix IV	Molybdenum	mg/l	9	0	0%	-0.00000791	0.393	↔	-0.000000000108	1.000	↔	2026-01-06	0.240
31_3_125	MW-19B	Appendix IV	Thallium	mg/l	9	7	78%	-0.000000838	0.071	↔	-0.0000000000000261	1.000	↔	2025-08-11	0.783

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
31_5_114	MW-19B	Part 115	Iron	mg/l	9	0	0%	-0.00199	0.329	↔	0.00190	0.522	↔	2025-10-06	0.247
31_5_119	MW-19B	Part 115	Nickel	mg/l	9	0	0%	-0.0000133	0.284	↔	0.00000975	0.287	↔	2025-08-26	0.386
32_2_105	MW-100A	Appendix III	Boron	mg/l	12	2	17%	0.0000161	0.068	↔	-0.0000659	0.085	↔	2025-07-23	0.523
32_2_108	MW-100A	Appendix III	Chloride	mg/l	12	0	0%	0.000478	0.296	↔	0.00222	0.272	↔	2025-02-07	0.722
32_2_112	MW-100A	Appendix III	Fluoride	mg/l	12	7	58%	-0.00143	0.205	↔	0.000251	0.677	↔	2024-08-06	0.516
32_2_124	MW-100A	Appendix III	Sulfate	mg/l	12	0	0%	-0.126	0.001	↓	0.0141	0.005	↑	2023-11-09	0.875
32_3_101	MW-100A	Appendix IV	Antimony	mg/l	12	12	100%	0.000000000132	1.000	↔	-0.00000729	0.001	↓	2024-02-06	0.867
32_3_102	MW-100A	Appendix IV	Arsenic	mg/l	12	0	0%	0.0000857	0.018	↔	-0.00000531	0.011	↔	2023-09-05	0.795
32_3_103	MW-100A	Appendix IV	Barium	mg/l	12	0	0%	-0.0000534	0.054	↔	-0.0000176	0.051	↔	2024-01-03	0.813
32_3_104	MW-100A	Appendix IV	Beryllium	mg/l	12	12	100%	0.0000000000196	1.000	↔	-0.00000120	0.001	↓	2024-02-06	0.867
32_3_106	MW-100A	Appendix IV	Cadmium	mg/l	12	12	100%	0.0000000156	0.973	↔	-0.000000691	0.001	↓	2024-01-30	0.866
32_3_109	MW-100A	Appendix IV	Chromium	mg/l	12	12	100%	0.00000000000421	1.000	↔	-0.00000625	0.001	↓	2024-02-06	0.867
32_3_110	MW-100A	Appendix IV	Cobalt	mg/l	12	9	75%	0.0000000000000384	1.000	↔	-0.00000795	0.007	↓	2024-02-14	0.874
32_3_113	MW-100A	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	-0.00143	0.205	↔	0.000251	0.677	↔	2024-08-06	0.516
32_3_116	MW-100A	Appendix IV	Lithium	mg/l	12	0	0%	-0.0000176	0.029	↔	-0.00000477	0.235	↔	2024-07-01	0.870
32_3_117	MW-100A	Appendix IV	Mercury	mg/l	12	12	100%	-0.00000000000000661	1.000	↔	-0.000000115	0.001	↓	2024-02-06	0.867
32_3_118	MW-100A	Appendix IV	Molybdenum	mg/l	12	0	0%	-0.0000172	0.002	↓	-0.00000186	0.396	↔	2024-03-19	0.899
32_3_121	MW-100A	Appendix IV	Radium-226+228	pci/l	12	0	0%	-0.0137	0.324	↔	0.000528	0.487	↔	2023-09-08	0.335
32_3_122	MW-100A	Appendix IV	Selenium	mg/l	12	12	100%	-0.00000000000456	1.000	↔	-0.00000676	0.001	↓	2024-02-06	0.867
32_3_125	MW-100A	Appendix IV	Thallium	mg/l	12	12	100%	0.000000190	0.906	↔	-0.00000238	0.001	↓	2024-01-09	0.866
32_5_111	MW-100A	Part 115	Copper	mg/l	12	12	100%	0.00000000000432	1.000	↔	-0.00000543	0.001	↓	2024-02-06	0.867
32_5_114	MW-100A	Part 115	Iron	mg/l	12	0	0%	0.0396	0.050	↔	-0.00148	0.011	↔	2023-08-13	0.835
32_5_119	MW-100A	Part 115	Nickel	mg/l	12	12	100%	0.00000000000143	1.000	↔	-0.00000576	0.001	↓	2024-02-06	0.867
32_5_123	MW-100A	Part 115	Silver	mg/l	12	12	100%	0.000000000000205	1.000	↔	-0.000000735	0.001	↓	2024-02-06	0.867
32_5_128	MW-100A	Part 115	Vanadium	mg/l	12	12	100%	-0.00000000000966	1.000	↔	-0.00000688	0.001	↓	2024-02-06	0.867
33_2_105	MW-100B	Appendix III	Boron	mg/l	12	0	0%	0.000343	0.144	↔	-0.0000204	0.525	↔	2023-11-04	0.407
33_2_107	MW-100B	Appendix III	Calcium	mg/l	12	0	0%	-0.171	0.290	↔	-0.00813	0.074	↔	2023-08-04	0.681
33_2_108	MW-100B	Appendix III	Chloride	mg/l	12	0	0%	0.0383	0.362	↔	-0.00938	0.000	↓	2023-08-13	0.914
33_2_112	MW-100B	Appendix III	Fluoride	mg/l	12	7	58%	-0.00150	0.086	↔	-0.0000241	0.983	↔	2024-08-07	0.522
33_2_120	MW-100B	Appendix III	pH, Field	su	12	0	0%	0.000917	0.165	↔	-0.000104	0.606	↔	2024-01-12	0.312
33_2_124	MW-100B	Appendix III	Sulfate	mg/l	12	0	0%	-0.251	0.000	↓	0.0155	0.006	↑	2023-09-24	0.893
33_2_126	MW-100B	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	-0.445	0.140	↔	-0.0501	0.085	↔	2023-09-18	0.671
33_3_101	MW-100B	Appendix IV	Antimony	mg/l	12	12	100%	0.000000000132	1.000	↔	-0.00000729	0.001	↓	2024-02-06	0.867
33_3_102	MW-100B	Appendix IV	Arsenic	mg/l	12	0	0%	0.0000286	0.103	↔	-0.00000450	0.001	↓	2023-08-15	0.797
33_3_103	MW-100B	Appendix IV	Barium	mg/l	12	0	0%	-0.000119	0.001	↓	-0.0000159	0.002	↓	2023-10-23	0.936
33_3_104	MW-100B	Appendix IV	Beryllium	mg/l	12	12	100%	0.0000000000196	1.000	↔	-0.00000120	0.001	↓	2024-02-06	0.867
33_3_106	MW-100B	Appendix IV	Cadmium	mg/l	12	12	100%	0.0000000156	0.973	↔	-0.000000691	0.001	↓	2024-01-30	0.866
33_3_109	MW-100B	Appendix IV	Chromium	mg/l	12	12	100%	0.00000000000421	1.000	↔	-0.00000625	0.001	↓	2024-02-06	0.867
33_3_110	MW-100B	Appendix IV	Cobalt	mg/l	12	12	100%	0.00000000000448	1.000	↔	-0.00000809	0.001	↓	2024-02-06	0.867
33_3_113	MW-100B	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	-0.00150	0.086	↔	-0.0000241	0.983	↔	2024-08-07	0.522
33_3_116	MW-100B	Appendix IV	Lithium	mg/l	12	0	0%	0.00000311	0.062	↔	-0.0000110	0.120	↔	2025-07-06	0.504
33_3_117	MW-100B	Appendix IV	Mercury	mg/l	12	12	100%	-0.00000000000000661	1.000	↔	-0.000000115	0.001	↓	2024-02-06	0.867

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
33_3_118	MW-100B	Appendix IV	Molybdenum	mg/l	12	0	0%	-0.00000838	0.003	↓	-0.00000306	0.321	↔	2024-08-07	0.890
33_3_121	MW-100B	Appendix IV	Radium-226+228	pci/l	12	1	8%	-0.00350	0.139	↔	0.00137	0.284	↔	2024-07-05	0.475
33_3_122	MW-100B	Appendix IV	Selenium	mg/l	12	12	100%	-0.00000000000456	1.000	↔	-0.00000676	0.001	↓	2024-02-06	0.867
33_3_125	MW-100B	Appendix IV	Thallium	mg/l	12	12	100%	0.000000190	0.906	↔	-0.00000238	0.001	↓	2024-01-09	0.866
33_5_111	MW-100B	Part 115	Copper	mg/l	12	12	100%	0.00000000000432	1.000	↔	-0.00000543	0.001	↓	2024-02-06	0.867
33_5_119	MW-100B	Part 115	Nickel	mg/l	12	10	83%	-0.000000000236	1.000	↔	-0.00000537	0.002	↓	2024-02-02	0.854
33_5_123	MW-100B	Part 115	Silver	mg/l	12	12	100%	0.000000000000205	1.000	↔	-0.000000735	0.001	↓	2024-02-06	0.867
33_5_128	MW-100B	Part 115	Vanadium	mg/l	12	12	100%	-0.00000000000966	1.000	↔	-0.00000688	0.001	↓	2024-02-06	0.867

Table 10: Trend Tests: Piecewise Linear-Linear-Linear

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
11_2_105	MW-2	Appendix III	Boron	mg/l	19	0	0%	0.0173	0.000	↑	-0.00127	0.068	↔	-0.00206	0.000	↓	2020-10-01	2023-02-06	0.927
11_2_107	MW-2	Appendix III	Calcium	mg/l	19	0	0%	0.257	0.043	↔	-0.0895	0.000	↓	-0.0136	0.088	↔	2020-07-27	2022-09-20	0.967
11_2_108	MW-2	Appendix III	Chloride	mg/l	19	0	0%	0.175	0.012	↔	-0.000381	0.953	↔	-0.0265	0.002	↓	2020-08-24	2023-03-17	0.813
11_2_112	MW-2	Appendix III	Fluoride	mg/l	20	17	85%	0.000000000000136	1.000	↔	-0.0000000000000824	1.000	↔	-0.00155	0.000	↓	2020-10-22	2024-02-05	0.885
11_2_120	MW-2	Appendix III	pH, Field	su	22	0	0%	0.00101	0.425	↔	0.00000983	0.921	↔	-0.000122	0.452	↔	2020-09-10	2024-01-28	0.176
11_2_124	MW-2	Appendix III	Sulfate	mg/l	19	0	0%	2.10	0.000	↑	-0.346	0.000	↓	-0.123	0.000	↓	2020-08-13	2022-08-17	0.984
11_2_126	MW-2	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	2.80	0.000	↑	-0.496	0.000	↓	-0.148	0.000	↓	2020-08-05	2022-08-01	0.978
11_3_101	MW-2	Appendix IV	Antimony	mg/l	20	20	100%	-0.0000000000000380	1.000	↔	0.0000000000000447	1.000	↔	-0.00000718	0.000	↓	2021-03-31	2024-01-30	0.881
11_3_102	MW-2	Appendix IV	Arsenic	mg/l	20	15	75%	0.00000153	0.187	↔	-0.000000863	0.497	↔	-0.00000200	0.036	↔	2022-01-31	2023-12-03	0.599
11_3_103	MW-2	Appendix IV	Barium	mg/l	20	0	0%	0.00000561	0.268	↔	-0.0000317	0.197	↔	0.00000600	0.160	↔	2022-06-08	2023-05-14	0.488
11_3_104	MW-2	Appendix IV	Beryllium	mg/l	20	20	100%	-0.000000000000149	1.000	↔	0.000000000000855	1.000	↔	-0.00000118	0.000	↓	2020-10-07	2024-01-30	0.881
11_3_106	MW-2	Appendix IV	Cadmium	mg/l	20	17	85%	0.0000000000000289	1.000	↔	-0.000000000000262	1.000	↔	-0.000000632	0.001	↓	2022-09-11	2024-01-30	0.879
11_3_109	MW-2	Appendix IV	Chromium	mg/l	20	20	100%	0.000000000145	1.000	↔	-0.0000000000176	1.000	↔	-0.00000616	0.000	↓	2020-05-29	2024-01-30	0.881
11_3_110	MW-2	Appendix IV	Cobalt	mg/l	20	17	85%	0.00000000000113	1.000	↔	-0.00000000000160	1.000	↔	-0.00000211	0.001	↓	2021-05-06	2024-01-31	0.869
11_3_113	MW-2	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	0.00000000000294	1.000	↔	-0.00000000000183	1.000	↔	-0.00155	0.000	↓	2020-10-22	2024-02-05	0.885
11_3_115	MW-2	Appendix IV	Lead	mg/l	20	20	100%	0.0000000984	0.484	↔	0.00000994	0.002	↑	0.00000206	0.263	↔	2025-06-09	2024-05-06	0.953
11_3_116	MW-2	Appendix IV	Lithium	mg/l	20	0	0%	0.0000980	0.004	↑	-0.0000196	0.000	↓	-0.00000596	0.472	↔	2020-10-18	2024-04-13	0.919
11_3_117	MW-2	Appendix IV	Mercury	mg/l	20	20	100%	0.0000000000000412	1.000	↔	-0.0000000000000522	1.000	↔	-0.000000113	0.000	↓	2021-04-15	2024-01-30	0.881
11_3_118	MW-2	Appendix IV	Molybdenum	mg/l	20	0	0%	0.0000112	0.418	↔	0.00000386	0.066	↔	-0.00000745	0.003	↓	2020-09-27	2023-04-24	0.653
11_3_122	MW-2	Appendix IV	Selenium	mg/l	20	20	100%	0.000000000000579	1.000	↔	-0.000000000000244	1.000	↔	-0.00000666	0.000	↓	2020-08-28	2024-01-30	0.881
11_3_125	MW-2	Appendix IV	Thallium	mg/l	20	20	100%	-0.00000000000267	1.000	↔	0.00000000000180	1.000	↔	-0.00000241	0.000	↓	2020-11-30	2024-01-30	0.881
11_5_111	MW-2	Part 115	Copper	mg/l	20	20	100%	-0.0000000000000533	1.000	↔	0.000000000000123	1.000	↔	-0.00000535	0.000	↓	2021-10-10	2024-01-30	0.881
11_5_114	MW-2	Part 115	Iron	mg/l	20	0	0%	-0.00122	0.210	↔	0.00325	0.015	↔	-0.000999	0.000	↓	2021-02-27	2022-02-01	0.753
11_5_119	MW-2	Part 115	Nickel	mg/l	20	0	0%	0.0000755	0.000	↑	-0.00000924	0.000	↓	-0.00000278	0.610	↔	2020-09-06	2025-01-01	0.951
11_5_123	MW-2	Part 115	Silver	mg/l	20	20	100%	0.000000000000290	1.000	↔	-0.000000000000587	1.000	↔	-0.000000724	0.000	↓	2021-08-18	2024-01-30	0.881
11_5_128	MW-2	Part 115	Vanadium	mg/l	20	20	100%	0.00000000000355	1.000	↔	-0.000000000000652	1.000	↔	-0.00000677	0.000	↓	2020-06-18	2024-01-30	0.881
11_5_129	MW-2	Part 115	Zinc	mg/l	20	14	70%	-0.000114	0.231	↔	0.000000182	0.980	↔	-0.00000501	0.722	↔	2020-08-27	2023-11-26	0.288

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Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
12_2_107	MW-3	Appendix III	Calcium	mg/l	11	0	0%	0.0454	0.804	↔	0.00861	0.676	↔	-0.0656	0.060	↔	2022-01-29	2024-06-16	0.702
12_2_108	MW-3	Appendix III	Chloride	mg/l	11	0	0%	0.0228	0.061	↔	-0.00372	0.787	↔	-0.0140	0.141	↔	2022-11-06	2024-08-04	0.771
12_2_120	MW-3	Appendix III	pH, Field	su	13	0	0%	0.000239	0.308	↔	-0.0000734	0.484	↔	0.000854	0.524	↔	2022-10-20	2025-11-17	0.289
12_2_124	MW-3	Appendix III	Sulfate	mg/l	11	0	0%	-0.0404	0.802	↔	0.0125	0.820	↔	-0.101	0.422	↔	2022-04-10	2024-08-05	0.421
12_2_126	MW-3	Appendix III	Total Dissolved Solids	mg/l	11	0	0%	-0.114	0.705	↔	-0.0181	0.983	↔	-0.317	0.121	↔	2022-08-02	2023-10-20	0.710
12_3_104	MW-3	Appendix IV	Beryllium	mg/l	11	11	100%	0.0000000000000156	1.000	↔	-0.0000000000000263	1.000	↔	-0.00000119	0.041	↔	2022-04-20	2024-02-02	0.862
12_3_106	MW-3	Appendix IV	Cadmium	mg/l	11	11	100%	0.000000000000589	1.000	↔	-0.000000000000216	1.000	↔	-0.000000688	0.041	↔	2021-08-21	2024-02-02	0.862
12_3_109	MW-3	Appendix IV	Chromium	mg/l	11	11	100%	-0.000000000000191	1.000	↔	0.0000000000000694	1.000	↔	-0.00000618	0.041	↔	2021-08-14	2024-02-02	0.862
12_3_110	MW-3	Appendix IV	Cobalt	mg/l	11	8	73%	0.000000329	0.754	↔	0.0000111	0.308	↔	0.00000129	0.858	↔	2025-07-28	2024-02-13	0.905
12_3_116	MW-3	Appendix IV	Lithium	mg/l	11	0	0%	0.0000942	0.215	↔	-0.0000137	0.125	↔	0.00000246	0.822	↔	2021-09-22	2024-08-04	0.693
12_3_118	MW-3	Appendix IV	Molybdenum	mg/l	11	0	0%	0.0000186	0.136	↔	-0.000106	0.116	↔	-0.000000000000000276	1.000	↔	2024-01-26	2024-09-30	0.759
12_3_121	MW-3	Appendix IV	Radium-226+228	pci/l	11	3	27%	0.00510	0.026	↔	-0.00634	0.046	↔	0.0000795	0.855	↔	2022-07-12	2023-07-31	0.924
12_3_125	MW-3	Appendix IV	Thallium	mg/l	11	11	100%	-0.000000000000163	1.000	↔	0.00000000000325	1.000	↔	-0.00000242	0.041	↔	2022-05-21	2024-02-02	0.862
12_5_119	MW-3	Part 115	Nickel	mg/l	11	8	73%	0.000000000000467	1.000	↔	-0.00000000000219	1.000	↔	-0.00000324	0.055	↔	2021-09-26	2023-12-19	0.746
12_5_123	MW-3	Part 115	Silver	mg/l	11	11	100%	-0.000000000000182	1.000	↔	0.000000000000305	1.000	↔	-0.000000727	0.041	↔	2022-04-19	2024-02-02	0.862
13_2_105	MW-5	Appendix III	Boron	mg/l	19	0	0%	-0.00387	0.021	↔	0.000699	0.770	↔	-0.0000770	0.974	↔	2022-02-01	2024-02-01	0.543
13_2_107	MW-5	Appendix III	Calcium	mg/l	19	0	0%	-0.213	0.032	↔	0.0212	0.835	↔	-0.0740	0.306	↔	2022-01-31	2024-01-22	0.751
13_2_112	MW-5	Appendix III	Fluoride	mg/l	20	17	85%	-0.000000000000143	1.000	↔	0.000000000000458	1.000	↔	-0.00144	0.000	↓	2020-07-31	2024-02-02	0.883
13_2_120	MW-5	Appendix III	pH, Field	su	22	0	0%	-0.00124	0.048	↔	0.000769	0.334	↔	-0.0000788	0.654	↔	2021-05-04	2022-09-21	0.292
13_2_124	MW-5	Appendix III	Sulfate	mg/l	19	0	0%	9.72	0.230	↔	-0.911	0.005	↓	-0.118	0.375	↔	2020-06-03	2022-02-01	0.803
13_2_126	MW-5	Appendix III	Total Dissolved Solids	mg/l	19	0	0%	-1.16	0.007	↓	-0.0650	0.971	↔	-0.385	0.228	↔	2022-02-01	2023-07-01	0.796
13_3_101	MW-5	Appendix IV	Antimony	mg/l	20	20	100%	-0.0000000000000320	1.000	↔	0.00000000000000852	1.000	↔	-0.00000716	0.000	↓	2020-07-13	2024-01-29	0.881
13_3_102	MW-5	Appendix IV	Arsenic	mg/l	20	13	65%	-0.0000207	0.579	↔	0.000000556	0.565	↔	-0.00000429	0.240	↔	2020-07-18	2024-04-25	0.282
13_3_103	MW-5	Appendix IV	Barium	mg/l	20	0	0%	-0.000108	0.003	↓	0.0000307	0.148	↔	-0.00000584	0.225	↔	2020-12-10	2022-02-01	0.627
13_3_104	MW-5	Appendix IV	Beryllium	mg/l	20	20	100%	-0.000000000000121	1.000	↔	0.000000000000663	1.000	↔	-0.00000118	0.000	↓	2020-10-07	2024-01-29	0.881
13_3_106	MW-5	Appendix IV	Cadmium	mg/l	20	19	95%	0.000000000000124	1.000	↔	-0.0000000000000876	1.000	↔	-0.000000692	0.000	↓	2020-12-08	2024-02-09	0.889
13_3_109	MW-5	Appendix IV	Chromium	mg/l	20	17	85%	-0.000179	0.001	↓	0.00000245	0.103	↔	-0.00000366	0.000	↓	2020-05-27	2022-04-16	0.874
13_3_113	MW-5	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	0.000000000000307	1.000	↔	-0.00000000000206	1.000	↔	-0.00144	0.000	↓	2020-11-25	2024-02-02	0.883
13_3_115	MW-5	Appendix IV	Lead	mg/l	20	15	75%	-0.0000333	0.583	↔	0.00000860	0.075	↔	-0.00000513	0.021	↔	2020-07-15	2022-02-01	0.456
13_3_116	MW-5	Appendix IV	Lithium	mg/l	20	0	0%	-0.0000433	0.253	↔	0.0000974	0.147	↔	-0.0000361	0.116	↔	2022-01-31	2023-03-19	0.322
13_3_117	MW-5	Appendix IV	Mercury	mg/l	20	20	100%	0.0000000000000815	1.000	↔	-0.0000000000000932	1.000	↔	-0.000000113	0.000	↓	2021-03-26	2024-01-29	0.881
13_3_118	MW-5	Appendix IV	Molybdenum	mg/l	20	0	0%	-0.0000609	0.023	↔	0.0000956	0.132	↔	-0.0000236	0.383	↔	2022-02-01	2023-10-17	0.551
13_3_121	MW-5	Appendix IV	Radium-226+228	pci/l	20	3	15%	0.00861	0.229	↔	-0.000772	0.307	↔	-0.00142	0.727	↔	2020-11-05	2024-12-20	0.273
13_3_122	MW-5	Appendix IV	Selenium	mg/l	20	19	95%	0.000000000000171	1.000	↔	-0.0000000000000686	1.000	↔	-0.00000655	0.000	↓	2020-08-21	2024-01-26	0.876
13_3_125	MW-5	Appendix IV	Thallium	mg/l	20	20	100%	-0.000000000000122	1.000	↔	0.000000000000912	1.000	↔	-0.00000241	0.000	↓	2022-07-21	2024-01-29	0.881
13_5_111	MW-5	Part 115	Copper	mg/l	20	13	65%	0.00000195	0.886	↔	-0.00000692	0.528	↔	-0.00000315	0.835	↔	2022-01-31	2024-04-27	0.186
13_5_114	MW-5	Part 115	Iron	mg/l	20	1	5%	-0.218	0.001	↓	0.00298	0.128	↔	-0.00145	0.119	↔	2020-06-02	2022-02-01	0.781
13_5_119	MW-5	Part 115	Nickel	mg/l	20	0	0%	-0.000103	0.033	↔	-0.0000152	0.450	↔	-0.00000376	0.000	↓	2020-06-29	2020-11-06	0.878
13_5_123	MW-5	Part 115	Silver	mg/l	20	19	95%	0.000000000000228	1.000	↔	-0.000000000000122	1.000	↔	-0.000000742	0.000	↓	2020-10-07	2024-02-22	0.899
13_5_129	MW-5	Part 115	Zinc	mg/l	20	3	15%	-0.000248	0.339	↔	0.000213	0.792	↔	-0.0000225	0.053	↔	2020-08-25	2021-01-26	0.286
14_2_105	MW-6	Appendix III	Boron	mg/l	19	0	0%	0.00373	0.004	↑	-0.00180	0.323	↔	0.0000456	0.501	↔	2020-10-14	2021-05-02	0.623
14_2_112	MW-6	Appendix III	Fluoride	mg/l	20	17	85%	-0.000000000000184	1.000	↔	0.000000000000570	1.000	↔	-0.00127	0.000	↓	2020-07-27	2024-02-03	0.884

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
14_2_120	MW-6	Appendix III	pH, Field	su	22	0	0%	0.00258	0.144	↔	-0.0000293	0.707	↔	-0.000295	0.781	↔	2020-08-20	2025-02-04	0.283
14_2_124	MW-6	Appendix III	Sulfate	mg/l	19	0	0%	0.991	0.004	↑	-0.650	0.194	↔	0.0415	0.037	↔	2020-10-06	2021-04-25	0.647
14_3_101	MW-6	Appendix IV	Antimony	mg/l	20	20	100%	-0.00000000000000813	1.000	↔	0.00000000000000155	1.000	↔	-0.00000718	0.000	↓	2020-06-19	2024-01-30	0.881
14_3_103	MW-6	Appendix IV	Barium	mg/l	20	0	0%	0.0000761	0.051	↔	-0.0000553	0.073	↔	0.00000833	0.008	↑	2020-10-18	2021-06-29	0.582
14_3_106	MW-6	Appendix IV	Cadmium	mg/l	20	19	95%	-0.0000000000000747	1.000	↔	0.0000000000000422	1.000	↔	-0.000000725	0.000	↓	2020-10-14	2024-03-21	0.919
14_3_109	MW-6	Appendix IV	Chromium	mg/l	20	20	100%	0.000000000145	1.000	↔	-0.0000000000176	1.000	↔	-0.00000616	0.000	↓	2020-05-29	2024-01-30	0.881
14_3_113	MW-6	Appendix IV	Fluoride (App IV)	mg/l	20	17	85%	-0.0000000000143	1.000	↔	0.00000000000207	1.000	↔	-0.00127	0.000	↓	2020-06-07	2024-02-03	0.884
14_3_115	MW-6	Appendix IV	Lead	mg/l	20	20	100%	0.0000000983	0.484	↔	0.00000994	0.002	↑	0.00000206	0.263	↔	2025-06-09	2024-05-06	0.953
14_3_116	MW-6	Appendix IV	Lithium	mg/l	20	0	0%	0.000134	0.013	↔	-0.000122	0.338	↔	0.00000391	0.320	↔	2020-11-02	2021-02-19	0.482
14_3_117	MW-6	Appendix IV	Mercury	mg/l	20	20	100%	0.0000000000000712	1.000	↔	-0.000000000000101	1.000	↔	-0.000000113	0.000	↓	2021-05-08	2024-01-30	0.881
14_3_118	MW-6	Appendix IV	Molybdenum	mg/l	20	0	0%	0.00000906	0.472	↔	-0.0000204	0.160	↔	0.00000629	0.523	↔	2022-01-31	2023-12-18	0.386
14_3_121	MW-6	Appendix IV	Radium-226+228	pci/l	20	3	15%	0.00470	0.392	↔	0.000266	0.728	↔	-0.00237	0.533	↔	2021-01-03	2024-08-09	0.260
14_3_122	MW-6	Appendix IV	Selenium	mg/l	20	20	100%	0.000000000000579	1.000	↔	-0.000000000000244	1.000	↔	-0.00000666	0.000	↓	2020-08-28	2024-01-30	0.881
14_3_125	MW-6	Appendix IV	Thallium	mg/l	20	20	100%	-0.000000000000133	1.000	↔	0.0000000000000597	1.000	↔	-0.00000241	0.000	↓	2020-09-06	2024-01-30	0.881
14_5_111	MW-6	Part 115	Copper	mg/l	20	20	100%	0.000000000000463	1.000	↔	-0.000000000000330	1.000	↔	-0.00000535	0.000	↓	2020-12-13	2024-01-30	0.881
14_5_119	MW-6	Part 115	Nickel	mg/l	20	5	25%	0.0000357	0.054	↔	-0.00000175	0.001	↓	-0.00000448	0.016	↔	2020-07-07	2024-06-23	0.872
14_5_123	MW-6	Part 115	Silver	mg/l	20	20	100%	0.000000000000737	1.000	↔	-0.00000000000178	1.000	↔	-0.000000724	0.000	↓	2021-10-24	2024-01-30	0.881
14_5_128	MW-6	Part 115	Vanadium	mg/l	20	20	100%	0.00000000000657	1.000	↔	-0.000000000000793	1.000	↔	-0.00000677	0.000	↓	2020-05-27	2024-01-30	0.881
14_5_129	MW-6	Part 115	Zinc	mg/l	20	16	80%	-0.000104	0.180	↔	0.0000000000000119	1.000	↔	-0.00000610	0.704	↔	2020-08-18	2024-03-11	0.312
15_2_108	MW-7	Appendix III	Chloride	mg/l	16	0	0%	-0.00841	0.851	↔	0.0623	0.040	↔	-0.00611	0.246	↔	2021-11-23	2022-08-02	0.675
15_3_103	MW-7	Appendix IV	Barium	mg/l	16	0	0%	0.00000108	0.980	↔	-0.0000150	0.134	↔	0.0000163	0.302	↔	2022-01-05	2024-01-30	0.367
15_3_104	MW-7	Appendix IV	Beryllium	mg/l	16	16	100%	-0.00000000000350	1.000	↔	0.00000000000341	1.000	↔	-0.00000118	0.003	↓	2021-11-24	2024-02-01	0.875
15_3_106	MW-7	Appendix IV	Cadmium	mg/l	16	15	94%	0.00000000000276	1.000	↔	-0.000000000000809	1.000	↔	-0.000000637	0.001	↓	2021-08-09	2024-01-17	0.847
15_3_109	MW-7	Appendix IV	Chromium	mg/l	16	15	94%	-0.000000137	0.976	↔	0.000000264	0.918	↔	-0.00000923	0.004	↓	2022-07-23	2024-08-07	0.754
15_3_110	MW-7	Appendix IV	Cobalt	mg/l	16	13	81%	0.000000847	0.396	↔	0.0000103	0.138	↔	0.000000535	0.927	↔	2025-07-19	2023-11-06	0.901
15_3_115	MW-7	Appendix IV	Lead	mg/l	16	16	100%	-0.00000000000127	1.000	↔	0.000000000000463	1.000	↔	-0.00000413	0.003	↓	2021-08-20	2024-02-01	0.875
15_3_116	MW-7	Appendix IV	Lithium	mg/l	16	0	0%	0.0000631	0.055	↔	-0.0000916	0.002	↓	0.0000100	0.180	↔	2022-02-16	2023-03-20	0.886
15_3_117	MW-7	Appendix IV	Mercury	mg/l	16	15	94%	-0.000000000000414	1.000	↔	0.000000000000596	1.000	↔	-0.000000114	0.003	↓	2022-02-02	2024-02-01	0.875
15_3_125	MW-7	Appendix IV	Thallium	mg/l	16	15	94%	0.0000000000134	1.000	↔	-0.0000000000246	1.000	↔	-0.00000220	0.001	↓	2022-05-03	2024-01-13	0.839
15_5_114	MW-7	Part 115	Iron	mg/l	16	0	0%	0.00256	0.344	↔	-0.000757	0.542	↔	-0.000237	0.777	↔	2022-02-10	2024-01-05	0.247
15_5_123	MW-7	Part 115	Silver	mg/l	16	16	100%	0.0000000450	0.319	↔	-0.00000151	0.001	↓	0.000000232	0.505	↔	2024-05-02	2025-04-25	0.960
16_2_105	MW-7C	Appendix III	Boron	mg/l	15	0	0%	0.00113	0.665	↔	-0.000265	0.680	↔	-0.000666	0.354	↔	2022-08-29	2024-01-30	0.420
16_2_107	MW-7C	Appendix III	Calcium	mg/l	15	0	0%	-1.15	0.001	↓	0.552	0.309	↔	-0.0225	0.038	↔	2022-05-19	2022-08-08	0.760
16_2_120	MW-7C	Appendix III	pH, Field	su	17	0	0%	-0.00108	0.369	↔	0.000117	0.535	↔	-0.00000211	0.991	↔	2022-07-27	2024-02-22	0.219
16_2_124	MW-7C	Appendix III	Sulfate	mg/l	15	0	0%	-0.697	0.055	↔	-0.0496	0.311	↔	-0.0318	0.267	↔	2022-06-22	2023-11-01	0.881
16_2_126	MW-7C	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	-1.28	0.029	↔	-0.0329	0.802	↔	-0.252	0.004	↓	2022-06-23	2023-10-10	0.908
16_3_102	MW-7C	Appendix IV	Arsenic	mg/l	15	0	0%	-0.00000538	0.158	↔	0.00000898	0.194	↔	-0.00000617	0.001	↓	2022-12-20	2024-01-29	0.745
16_3_103	MW-7C	Appendix IV	Barium	mg/l	15	0	0%	-0.0000117	0.678	↔	-0.0000180	0.544	↔	-0.00000680	0.097	↔	2023-08-14	2022-07-26	0.657
16_3_104	MW-7C	Appendix IV	Beryllium	mg/l	15	15	100%	0.0000000213	0.618	↔	-0.00000366	0.000	↓	0.000000452	0.059	↔	2024-07-28	2025-03-22	0.995
16_3_106	MW-7C	Appendix IV	Cadmium	mg/l	15	11	73%	0.000000351	0.862	↔	0.00000119	0.711	↔	-0.000000559	0.003	↓	2022-07-23	2022-11-09	0.718
16_3_115	MW-7C	Appendix IV	Lead	mg/l	15	15	100%	0.00000000000101	1.000	↔	-0.00000000000400	1.000	↔	-0.00000415	0.006	↓	2022-12-21	2024-02-02	0.873
16_3_116	MW-7C	Appendix IV	Lithium	mg/l	15	0	0%	0.0000372	0.595	↔	-0.0000172	0.141	↔	-0.0000204	0.148	↔	2022-07-27	2024-02-12	0.776

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
16_3_117	MW-7C	Appendix IV	Mercury	mg/l	16	15	94%	0.000000000000614	1.000	↔	-0.000000000000305	1.000	↔	-0.000000221	0.010	↓	2022-06-02	2024-06-21	0.765
16_3_118	MW-7C	Appendix IV	Molybdenum	mg/l	15	0	0%	-0.000179	0.392	↔	0.0000155	0.634	↔	-0.0000875	0.046	↔	2022-07-01	2024-01-30	0.731
16_3_121	MW-7C	Appendix IV	Radium-226+228	pci/l	15	1	7%	-0.0175	0.071	↔	0.0136	0.494	↔	-0.00121	0.244	↔	2022-08-19	2022-12-09	0.503
16_3_125	MW-7C	Appendix IV	Thallium	mg/l	15	15	100%	0.000000490	0.391	↔	0.00000261	0.256	↔	-0.00000109	0.283	↔	2025-01-21	2023-11-16	0.895
16_5_111	MW-7C	Part 115	Copper	mg/l	15	15	100%	0.000000676	0.538	↔	0.00000891	0.065	↔	0.000000460	0.903	↔	2025-05-17	2024-01-18	0.919
16_5_123	MW-7C	Part 115	Silver	mg/l	15	15	100%	-0.000000000000671	1.000	↔	0.000000000000794	1.000	↔	-0.000000727	0.006	↓	2022-07-22	2024-02-02	0.873
16_5_128	MW-7C	Part 115	Vanadium	mg/l	15	15	100%	-0.0000000000481	1.000	↔	0.0000000000513	1.000	↔	-0.00000679	0.006	↓	2022-07-15	2024-02-02	0.873
16_5_129	MW-7C	Part 115	Zinc	mg/l	15	12	80%	0.00000234	0.736	↔	-0.000000677	0.692	↔	-0.00000608	0.009	↓	2022-07-28	2024-03-28	0.850
17_2_107	MW-8	Appendix III	Calcium	mg/l	16	0	0%	0.0184	0.222	↔	-0.0150	0.117	↔	0.110	0.019	↔	2022-10-31	2025-07-01	0.600
17_2_108	MW-8	Appendix III	Chloride	mg/l	16	2	12%	-0.0557	0.519	↔	0.0873	0.551	↔	-0.0316	0.229	↔	2022-04-30	2023-08-01	0.308
17_2_112	MW-8	Appendix III	Fluoride	mg/l	16	12	75%	-0.00185	0.516	↔	0.000468	0.423	↔	-0.00162	0.011	↔	2021-12-06	2023-12-19	0.656
17_2_124	MW-8	Appendix III	Sulfate	mg/l	16	0	0%	-0.0879	0.095	↔	0.0895	0.294	↔	-0.0257	0.098	↔	2022-04-20	2023-05-24	0.472
17_2_126	MW-8	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.0873	0.058	↔	-0.146	0.024	↔	0.260	0.170	↔	2023-08-01	2025-06-18	0.605
17_3_101	MW-8	Appendix IV	Antimony	mg/l	16	16	100%	-0.00000000000000863	1.000	↔	0.000000000000150	1.000	↔	-0.00000729	0.003	↓	2022-05-01	2024-02-06	0.876
17_3_102	MW-8	Appendix IV	Arsenic	mg/l	16	14	88%	-0.000000000000835	1.000	↔	0.000000000000592	1.000	↔	-0.00000164	0.028	↔	2021-10-19	2024-02-06	0.759
17_3_103	MW-8	Appendix IV	Barium	mg/l	16	0	0%	-0.0000339	0.007	↓	0.0000158	0.373	↔	-0.00000156	0.610	↔	2022-03-12	2023-05-14	0.585
17_3_106	MW-8	Appendix IV	Cadmium	mg/l	16	15	94%	-0.00000000000000343	1.000	↔	0.00000000000000409	1.000	↔	-0.000000623	0.007	↓	2021-12-26	2024-02-06	0.848
17_3_113	MW-8	Appendix IV	Fluoride (App IV)	mg/l	16	12	75%	-0.00185	0.516	↔	0.000468	0.423	↔	-0.00162	0.011	↔	2021-12-06	2023-12-19	0.656
17_3_115	MW-8	Appendix IV	Lead	mg/l	16	16	100%	-0.0000000000151	1.000	↔	0.0000000000266	1.000	↔	-0.00000419	0.003	↓	2022-05-04	2024-02-06	0.876
17_3_116	MW-8	Appendix IV	Lithium	mg/l	16	6	38%	-0.0000122	0.346	↔	0.00000234	0.538	↔	-0.0000148	0.513	↔	2022-03-14	2025-06-01	0.183
17_3_117	MW-8	Appendix IV	Mercury	mg/l	16	16	100%	0.000000000000662	1.000	↔	-0.000000000000507	1.000	↔	-0.000000115	0.003	↓	2021-10-26	2024-02-06	0.876
17_3_118	MW-8	Appendix IV	Molybdenum	mg/l	16	11	69%	-0.0000204	0.137	↔	0.000000238	0.924	↔	-0.00000989	0.598	↔	2022-01-14	2025-03-18	0.473
17_3_121	MW-8	Appendix IV	Radium-226+228	pci/l	16	0	0%	-0.00177	0.952	↔	0.0301	0.316	↔	-0.00235	0.025	↔	2021-09-20	2022-01-10	0.532
17_3_125	MW-8	Appendix IV	Thallium	mg/l	16	15	94%	-0.0000000000000144	1.000	↔	0.0000000000000159	1.000	↔	-0.00000242	0.003	↓	2021-12-12	2024-02-06	0.876
17_5_114	MW-8	Part 115	Iron	mg/l	16	13	81%	-0.0000421	0.891	↔	0.00000567	0.288	↔	-0.0000640	0.291	↔	2021-07-30	2025-08-06	0.206
17_5_123	MW-8	Part 115	Silver	mg/l	16	16	100%	0.0000000449	0.319	↔	-0.00000151	0.001	↓	0.000000240	0.502	↔	2024-05-02	2025-04-26	0.960
17_5_129	MW-8	Part 115	Zinc	mg/l	16	14	88%	-0.00000121	0.878	↔	0.00000119	0.317	↔	-0.00000759	0.004	↓	2021-11-25	2024-01-30	0.829
18_2_108	MW-9	Appendix III	Chloride	mg/l	16	10	62%	-0.00764	0.457	↔	0.00198	0.108	↔	-0.00758	0.104	↔	2021-12-06	2024-08-09	0.548
18_2_112	MW-9	Appendix III	Fluoride	mg/l	16	15	94%	-0.00198	0.499	↔	0.000572	0.344	↔	-0.00159	0.014	↔	2021-12-06	2023-11-03	0.657
18_2_120	MW-9	Appendix III	pH, Field	su	16	0	0%	-0.0141	0.041	↔	0.000446	0.424	↔	-0.000112	0.483	↔	2021-07-24	2022-08-02	0.524
18_2_124	MW-9	Appendix III	Sulfate	mg/l	16	8	50%	0.000115	0.967	↔	0.0176	0.011	↔	-0.0165	0.017	↔	2023-04-09	2024-11-30	0.888
18_2_126	MW-9	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.0517	0.178	↔	0.365	0.040	↔	-0.143	0.015	↔	2023-07-31	2024-04-04	0.845
18_3_101	MW-9	Appendix IV	Antimony	mg/l	16	16	100%	-0.00000000000000863	1.000	↔	0.0000000000000150	1.000	↔	-0.00000729	0.003	↓	2022-05-01	2024-02-06	0.876
18_3_103	MW-9	Appendix IV	Barium	mg/l	16	0	0%	-0.00000434	0.105	↔	0.00000890	0.027	↔	-0.00000474	0.050	↔	2022-08-25	2024-08-07	0.876
18_3_104	MW-9	Appendix IV	Beryllium	mg/l	16	15	94%	-0.00000000000402	1.000	↔	0.00000000000729	1.000	↔	-0.00000120	0.003	↓	2022-05-11	2024-02-06	0.876
18_3_106	MW-9	Appendix IV	Cadmium	mg/l	16	15	94%	0.000000000000409	1.000	↔	-0.000000000000342	1.000	↔	-0.000000650	0.004	↓	2021-11-04	2024-02-06	0.866
18_3_113	MW-9	Appendix IV	Fluoride (App IV)	mg/l	16	15	94%	-0.00198	0.499	↔	0.000572	0.344	↔	-0.00159	0.014	↔	2021-12-06	2023-11-03	0.657
18_3_115	MW-9	Appendix IV	Lead	mg/l	16	16	100%	-0.0000000000151	1.000	↔	0.0000000000266	1.000	↔	-0.00000419	0.003	↓	2022-05-04	2024-02-06	0.876
18_3_117	MW-9	Appendix IV	Mercury	mg/l	16	16	100%	0.000000000000662	1.000	↔	-0.000000000000507	1.000	↔	-0.000000115	0.003	↓	2021-10-26	2024-02-06	0.876
18_3_118	MW-9	Appendix IV	Molybdenum	mg/l	16	16	100%	-0.0000000000000102	1.000	↔	0.0000000000000422	1.000	↔	-0.00000642	0.003	↓	2022-10-27	2024-02-06	0.876
18_3_125	MW-9	Appendix IV	Thallium	mg/l	16	16	100%	0.000000150	0.314	↔	-0.00000509	0.001	↓	0.000000791	0.502	↔	2024-05-04	2025-04-24	0.961
18_5_111	MW-9	Part 115	Copper	mg/l	16	16	100%	-0.00000000000393	1.000	↔	0.00000000000142	1.000	↔	-0.00000543	0.003	↓	2021-08-20	2024-02-06	0.876

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
18_5_114	MW-9	Part 115	Iron	mg/l	16	16	100%	0.00000000000000639	1.000	↔	-0.00000000000000135	1.000	↔	-0.0000115	0.003	↓	2021-07-21	2024-02-06	0.876
18_5_123	MW-9	Part 115	Silver	mg/l	16	16	100%	0.0000000449	0.319	↔	-0.00000151	0.001	↓	0.000000240	0.502	↔	2024-05-02	2025-04-26	0.960
18_5_129	MW-9	Part 115	Zinc	mg/l	16	14	88%	0.00000756	0.406	↔	-0.00000170	0.393	↔	-0.00000681	0.055	↔	2021-12-07	2024-05-12	0.727
19_2_105	MW-10	Appendix III	Boron	mg/l	16	1	6%	-0.0000131	0.215	↔	0.0000462	0.147	↔	-0.0000994	0.131	↔	2024-01-27	2025-05-28	0.417
19_2_108	MW-10	Appendix III	Chloride	mg/l	16	9	56%	0.00306	0.075	↔	-0.0166	0.211	↔	0.00350	0.784	↔	2024-01-30	2025-02-22	0.641
19_2_126	MW-10	Appendix III	Total Dissolved Solids	mg/l	16	0	0%	0.0558	0.225	↔	-0.248	0.081	↔	0.331	0.237	↔	2023-10-13	2025-06-11	0.615
19_3_101	MW-10	Appendix IV	Antimony	mg/l	16	16	100%	-0.0000000000000555	1.000	↔	0.0000000000000329	1.000	↔	-0.00000730	0.003	↓	2021-09-28	2024-02-07	0.877
19_3_102	MW-10	Appendix IV	Arsenic	mg/l	16	14	88%	0.00000000000621	1.000	↔	-0.00000000000361	1.000	↔	-0.00000195	0.004	↓	2021-09-26	2024-02-07	0.870
19_3_103	MW-10	Appendix IV	Barium	mg/l	16	0	0%	-0.0000184	0.030	↔	0.00000588	0.785	↔	-0.0000131	0.015	↔	2022-10-25	2024-01-29	0.835
19_3_104	MW-10	Appendix IV	Beryllium	mg/l	16	16	100%	-0.00000000000218	1.000	↔	0.00000000000153	1.000	↔	-0.00000120	0.003	↓	2021-10-18	2024-02-07	0.877
19_3_106	MW-10	Appendix IV	Cadmium	mg/l	16	14	88%	-0.00000000000000945	1.000	↔	0.0000000000000127	1.000	↔	-0.000000546	0.005	↓	2022-01-01	2023-12-19	0.781
19_3_115	MW-10	Appendix IV	Lead	mg/l	16	16	100%	-0.0000000000000925	1.000	↔	0.0000000000000476	1.000	↔	-0.00000420	0.003	↓	2021-09-18	2024-02-07	0.877
19_3_117	MW-10	Appendix IV	Mercury	mg/l	16	15	94%	0.000000000000691	1.000	↔	-0.000000000000487	1.000	↔	-0.000000115	0.003	↓	2021-10-19	2024-02-07	0.877
19_3_122	MW-10	Appendix IV	Selenium	mg/l	16	13	81%	-0.0000000000268	1.000	↔	0.0000000000427	1.000	↔	-0.00000518	0.002	↓	2022-03-03	2024-01-10	0.824
19_3_125	MW-10	Appendix IV	Thallium	mg/l	16	15	94%	0.000000107	0.426	↔	-0.00000533	0.000	↓	0.00000429	0.002	↑	2024-05-29	2025-06-07	0.959
19_5_111	MW-10	Part 115	Copper	mg/l	16	16	100%	0.0000000000000437	1.000	↔	-0.0000000000000269	1.000	↔	-0.00000544	0.003	↓	2021-10-04	2024-02-07	0.877
19_5_114	MW-10	Part 115	Iron	mg/l	16	15	94%	0.00000000000000418	0.362	↔	-0.0000387	0.000	↓	0.000155	0.000	↑	2024-08-07	2025-07-01	1.000
19_5_123	MW-10	Part 115	Silver	mg/l	16	16	100%	0.0000000449	0.319	↔	-0.00000151	0.001	↓	0.000000241	0.502	↔	2024-05-02	2025-04-26	0.960
19_5_128	MW-10	Part 115	Vanadium	mg/l	16	15	94%	0.00000000000283	0.510	↔	-0.0000231	0.000	↓	0.000000995	0.000	↑	2024-08-07	2025-02-12	1.000
19_5_129	MW-10	Part 115	Zinc	mg/l	16	13	81%	0.0000309	0.285	↔	-0.00000694	0.086	↔	-0.00000144	0.964	↔	2022-01-10	2025-04-07	0.430
20_2_105	MW-13	Appendix III	Boron	mg/l	15	0	0%	0.000253	0.023	↔	-0.000111	0.528	↔	0.0000129	0.730	↔	2022-10-26	2023-11-11	0.495
20_2_107	MW-13	Appendix III	Calcium	mg/l	15	0	0%	-0.617	0.017	↔	0.0902	0.001	↑	0.0186	0.486	↔	2022-05-13	2024-01-30	0.902
20_2_108	MW-13	Appendix III	Chloride	mg/l	15	2	13%	0.111	0.000	↑	-0.109	0.005	↓	-0.0149	0.146	↔	2023-05-28	2024-03-08	0.939
20_2_120	MW-13	Appendix III	pH, Field	su	15	0	0%	0.00254	0.166	↔	-0.00146	0.333	↔	0.000145	0.565	↔	2022-08-11	2023-08-01	0.573
20_2_126	MW-13	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	-2.03	0.070	↔	0.424	0.001	↑	0.0280	0.821	↔	2022-05-06	2024-01-30	0.888
20_3_104	MW-13	Appendix IV	Beryllium	mg/l	15	15	100%	0.000000127	0.298	↔	-0.00000241	0.003	↓	0.000000337	0.600	↔	2024-04-18	2025-04-23	0.956
20_3_110	MW-13	Appendix IV	Cobalt	mg/l	15	12	80%	0.00000146	0.337	↔	0.00000754	0.250	↔	-0.00000249	0.654	↔	2025-05-06	2023-10-31	0.911
20_3_116	MW-13	Appendix IV	Lithium	mg/l	15	15	100%	0.000000225	0.301	↔	-0.00000603	0.000	↓	0.00000112	0.337	↔	2024-05-25	2025-04-25	0.971
20_3_117	MW-13	Appendix IV	Mercury	mg/l	15	15	100%	0.00000000000000952	1.000	↔	-0.0000000000000421	1.000	↔	-0.000000116	0.005	↓	2023-01-10	2024-02-08	0.876
20_3_118	MW-13	Appendix IV	Molybdenum	mg/l	15	15	100%	0.0000000000249	1.000	↔	-0.0000000000143	1.000	↔	-0.00000644	0.005	↓	2022-05-16	2024-02-08	0.876
20_3_125	MW-13	Appendix IV	Thallium	mg/l	15	15	100%	-0.00000000000000964	1.000	↔	0.00000000000000789	1.000	↔	-0.00000246	0.005	↓	2022-06-08	2024-02-08	0.876
20_5_111	MW-13	Part 115	Copper	mg/l	15	15	100%	0.00000000000000770	1.000	↔	-0.0000000000000492	1.000	↔	-0.00000545	0.005	↓	2023-03-08	2024-02-08	0.876
20_5_119	MW-13	Part 115	Nickel	mg/l	15	15	100%	-0.000000000000107	1.000	↔	0.0000000000000292	1.000	↔	-0.00000578	0.005	↓	2022-04-04	2024-02-08	0.876
20_5_123	MW-13	Part 115	Silver	mg/l	15	15	100%	0.000000159	0.355	↔	-0.000000867	0.168	↔	-0.000000335	0.296	↔	2023-10-11	2025-02-05	0.887
20_5_129	MW-13	Part 115	Zinc	mg/l	15	12	80%	0.0000106	0.598	↔	-0.00000225	0.468	↔	-0.00000699	0.093	↔	2022-07-12	2024-08-01	0.645
21_2_105	MW-14	Appendix III	Boron	mg/l	13	0	0%	-0.00253	0.108	↔	0.00103	0.143	↔	-0.000704	0.001	↓	2023-04-25	2023-11-17	0.914
21_2_107	MW-14	Appendix III	Calcium	mg/l	13	0	0%	-0.0341	0.585	↔	0.0774	0.018	↔	-0.00467	0.694	↔	2023-05-17	2024-04-12	0.886
21_2_120	MW-14	Appendix III	pH, Field	su	15	0	0%	-0.000518	0.160	↔	0.000481	0.430	↔	-0.000432	0.127	↔	2023-11-30	2024-10-03	0.575
21_2_124	MW-14	Appendix III	Sulfate	mg/l	13	0	0%	3.37	0.724	↔	-0.806	0.407	↔	0.228	0.698	↔	2023-03-23	2024-05-08	0.238
21_2_126	MW-14	Appendix III	Total Dissolved Solids	mg/l	13	1	8%	-4.84	0.609	↔	1.96	0.253	↔	-0.333	0.424	↔	2023-03-23	2023-11-27	0.367
21_3_101	MW-14	Appendix IV	Antimony	mg/l	13	13	100%	0.00000000000255	1.000	↔	-0.00000000000484	1.000	↔	-0.00000717	0.003	↓	2023-05-12	2024-01-30	0.868
21_3_106	MW-14	Appendix IV	Cadmium	mg/l	13	13	100%	0.0000000764	0.339	↔	0.00000231	0.000	↑	0.000000273	0.187	↔	2025-03-29	2024-07-03	0.989

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
21_3_115	MW-14	Appendix IV	Lead	mg/l	13	13	100%	0.000000721	0.190	↔	0.0000132	0.000	↑	0.000000988	0.453	↔	2025-03-12	2024-06-15	0.987
21_3_116	MW-14	Appendix IV	Lithium	mg/l	13	0	0%	-0.000169	0.006	↓	0.00000286	0.890	↔	-0.0000249	0.000	↓	2023-04-24	2023-11-27	0.971
21_5_111	MW-14	Part 115	Copper	mg/l	13	13	100%	0.00000143	0.571	↔	-0.00000834	0.005	↓	-0.00000170	0.690	↔	2024-01-21	2025-02-04	0.916
21_5_114	MW-14	Part 115	Iron	mg/l	13	0	0%	0.0789	0.004	↑	0.0129	0.005	↑	0.000855	0.324	↔	2023-02-25	2024-01-30	0.981
21_5_119	MW-14	Part 115	Nickel	mg/l	13	6	46%	-0.0000206	0.086	↔	0.000000164	0.878	↔	-0.00000191	0.020	↔	2023-03-01	2024-03-03	0.888
21_5_123	MW-14	Part 115	Silver	mg/l	13	13	100%	0.000000167	0.326	↔	-0.00000152	0.007	↓	0.000000229	0.581	↔	2024-04-20	2025-04-23	0.957
21_5_129	MW-14	Part 115	Zinc	mg/l	13	10	77%	0.0000312	0.304	↔	-0.00000454	0.928	↔	-0.0000348	0.196	↔	2024-01-22	2025-01-31	0.445
22_2_105	MW-15	Appendix III	Boron	mg/l	13	0	0%	-0.000565	0.592	↔	0.000743	0.288	↔	-0.000172	0.040	↔	2023-04-05	2023-09-12	0.550
22_2_107	MW-15	Appendix III	Calcium	mg/l	13	0	0%	-0.903	0.001	↓	0.414	0.050	↔	-0.0160	0.159	↔	2023-04-13	2023-07-30	0.885
22_2_124	MW-15	Appendix III	Sulfate	mg/l	13	0	0%	-2.78	0.002	↓	-0.115	0.013	↔	0.122	0.077	↔	2023-02-20	2024-08-07	0.924
22_3_101	MW-15	Appendix IV	Antimony	mg/l	13	13	100%	-0.00000000000000899	1.000	↔	0.0000000000000593	1.000	↔	-0.00000727	0.015	↔	2023-07-19	2024-02-05	0.869
22_3_102	MW-15	Appendix IV	Arsenic	mg/l	13	10	77%	0.0000000000571	1.000	↔	-0.000000000462	1.000	↔	-0.00000204	0.003	↓	2023-08-28	2024-03-30	0.913
22_3_103	MW-15	Appendix IV	Barium	mg/l	13	0	0%	-0.000761	0.007	↓	0.000162	0.043	↔	-0.0000126	0.074	↔	2023-03-03	2023-08-10	0.837
22_3_104	MW-15	Appendix IV	Beryllium	mg/l	13	13	100%	0.000000373	0.517	↔	0.00000190	0.159	↔	-0.000000230	0.818	↔	2025-03-15	2024-01-04	0.912
22_3_106	MW-15	Appendix IV	Cadmium	mg/l	13	12	92%	0.000000122	0.709	↔	-0.000000931	0.011	↔	0.000000181	0.755	↔	2024-01-29	2025-07-10	0.913
22_3_109	MW-15	Appendix IV	Chromium	mg/l	13	13	100%	-0.0000000000000393	1.000	↔	0.0000000000000611	1.000	↔	-0.00000624	0.015	↔	2023-04-29	2024-02-05	0.869
22_3_110	MW-15	Appendix IV	Cobalt	mg/l	13	11	85%	0.00000146	0.280	↔	-0.0000209	0.000	↓	0.00000164	0.628	↔	2024-06-09	2025-03-11	0.977
22_3_118	MW-15	Appendix IV	Molybdenum	mg/l	13	13	100%	0.0000000000000897	1.000	↔	-0.000000000000169	1.000	↔	-0.00000640	0.015	↔	2023-05-14	2024-02-05	0.869
22_3_122	MW-15	Appendix IV	Selenium	mg/l	13	5	38%	0.000444	0.131	↔	-0.000243	0.024	↔	0.0000130	0.137	↔	2023-03-09	2023-07-17	0.749
22_3_125	MW-15	Appendix IV	Thallium	mg/l	13	13	100%	0.000000695	0.551	↔	-0.00000369	0.091	↔	-0.000000818	0.429	↔	2024-01-14	2025-02-03	0.913
22_5_114	MW-15	Part 115	Iron	mg/l	13	1	8%	0.000597	0.043	↔	0.00211	0.057	↔	0.000806	0.243	↔	2025-06-18	2024-05-20	0.609
22_5_123	MW-15	Part 115	Silver	mg/l	13	13	100%	0.000000169	0.332	↔	-0.00000151	0.009	↓	0.000000237	0.591	↔	2024-04-19	2025-04-25	0.955
22_5_129	MW-15	Part 115	Zinc	mg/l	13	11	85%	0.0000940	0.140	↔	-0.0000722	0.449	↔	-0.00000294	0.639	↔	2023-04-28	2023-08-28	0.532
23_2_105	MW-16A	Appendix III	Boron	mg/l	14	0	0%	-0.00213	0.151	↔	0.000301	0.025	↔	-0.000319	0.100	↔	2023-03-22	2024-10-07	0.634
23_2_107	MW-16A	Appendix III	Calcium	mg/l	14	0	0%	-0.681	0.078	↔	0.428	0.003	↑	-0.0672	0.001	↓	2023-04-04	2023-10-12	0.886
23_2_108	MW-16A	Appendix III	Chloride	mg/l	14	0	0%	0.283	0.015	↔	-0.0577	0.818	↔	-0.346	0.197	↔	2024-02-05	2025-02-09	0.732
23_2_112	MW-16A	Appendix III	Fluoride	mg/l	14	11	79%	-0.000557	0.922	↔	0.0148	0.738	↔	-0.00517	0.022	↔	2023-09-12	2024-01-31	0.528
23_2_124	MW-16A	Appendix III	Sulfate	mg/l	14	0	0%	-1.26	0.218	↔	0.872	0.001	↑	-0.167	0.014	↔	2023-04-02	2024-01-02	0.890
23_2_126	MW-16A	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	1.77	0.007	↑	-0.148	0.814	↔	-1.08	0.040	↔	2023-10-17	2025-01-02	0.782
23_3_102	MW-16A	Appendix IV	Arsenic	mg/l	14	0	0%	-0.00000408	0.672	↔	0.00000803	0.304	↔	-0.00000435	0.013	↔	2023-05-30	2024-01-19	0.625
23_3_104	MW-16A	Appendix IV	Beryllium	mg/l	14	13	93%	-0.000000000000000000338	0.952	↔	-0.00000397	0.000	↓	0.000000989	0.000	↑	2024-08-05	2025-03-15	1.000
23_3_106	MW-16A	Appendix IV	Cadmium	mg/l	14	12	86%	-0.0000000403	0.871	↔	-0.000000859	0.212	↔	0.000000596	0.379	↔	2024-05-28	2025-07-27	0.786
23_3_109	MW-16A	Appendix IV	Chromium	mg/l	14	14	100%	0.00000000000592	1.000	↔	-0.00000000000728	1.000	↔	-0.00000619	0.008	↓	2023-05-18	2024-02-04	0.873
23_3_113	MW-16A	Appendix IV	Fluoride (App IV)	mg/l	14	11	79%	-0.000557	0.922	↔	0.0148	0.738	↔	-0.00517	0.022	↔	2023-09-12	2024-01-31	0.528
23_3_115	MW-16A	Appendix IV	Lead	mg/l	14	14	100%	0.00000000000335	1.000	↔	-0.00000000000446	1.000	↔	-0.00000416	0.008	↓	2023-05-23	2024-02-04	0.873
23_3_117	MW-16A	Appendix IV	Mercury	mg/l	14	14	100%	-0.000000000605	0.942	↔	0.000000400	0.000	↑	0.0000000471	0.060	↔	2025-03-25	2024-08-04	0.995
23_3_118	MW-16A	Appendix IV	Molybdenum	mg/l	14	11	79%	0.000000900	0.613	↔	-0.00000717	0.151	↔	-0.00000226	0.633	↔	2024-02-04	2025-02-06	0.877
23_3_125	MW-16A	Appendix IV	Thallium	mg/l	14	13	93%	0.00000000000153	1.000	↔	-0.00000000000183	1.000	↔	-0.00000237	0.009	↓	2023-05-17	2024-02-04	0.871
23_5_111	MW-16A	Part 115	Copper	mg/l	14	14	100%	0.00000111	0.447	↔	-0.00000878	0.043	↔	-0.000000391	0.918	↔	2024-02-21	2025-03-25	0.929
23_5_114	MW-16A	Part 115	Iron	mg/l	14	0	0%	-0.00927	0.163	↔	0.00689	0.055	↔	-0.00417	0.011	↔	2023-05-31	2024-02-01	0.785
23_5_119	MW-16A	Part 115	Nickel	mg/l	14	12	86%	0.000000000000912	1.000	↔	-0.00000000000116	1.000	↔	-0.00000532	0.011	↔	2023-05-20	2024-02-03	0.861
23_5_123	MW-16A	Part 115	Silver	mg/l	14	14	100%	0.000000162	0.276	↔	-0.00000157	0.003	↓	0.000000108	0.778	↔	2024-04-25	2025-03-26	0.962

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
24_2_108	MW-16B	Appendix III	Chloride	mg/l	14	5	36%	-0.0158	0.235	↔	-0.00283	0.524	↔	0.0735	0.001	↑	2023-08-08	2025-07-25	0.848
24_2_112	MW-16B	Appendix III	Fluoride	mg/l	14	8	57%	-0.00192	0.218	↔	0.00207	0.822	↔	0.0000774	0.810	↔	2023-08-13	2023-11-08	0.223
24_2_120	MW-16B	Appendix III	pH, Field	su	14	0	0%	-0.00161	0.069	↔	0.000972	0.147	↔	-0.000422	0.006	↓	2023-06-12	2024-01-31	0.729
24_2_124	MW-16B	Appendix III	Sulfate	mg/l	14	0	0%	-0.0254	0.038	↔	0.0556	0.045	↔	0.00579	0.000	↑	2023-05-27	2023-07-07	0.955
24_2_126	MW-16B	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	-0.167	0.193	↔	0.107	0.123	↔	-0.0314	0.012	↔	2023-04-25	2023-10-17	0.684
24_3_102	MW-16B	Appendix IV	Arsenic	mg/l	14	14	100%	0.000000274	0.187	↔	-0.00000578	0.000	↓	0.000000530	0.326	↔	2024-06-28	2025-03-14	0.991
24_3_104	MW-16B	Appendix IV	Beryllium	mg/l	14	14	100%	0.000000138	0.422	↔	-0.00000304	0.000	↓	0.000000634	0.183	↔	2024-06-22	2025-04-25	0.980
24_3_106	MW-16B	Appendix IV	Cadmium	mg/l	14	14	100%	0.000000129	0.488	↔	-0.00000108	0.049	↔	0.000000152	0.756	↔	2024-02-27	2025-05-25	0.930
24_3_109	MW-16B	Appendix IV	Chromium	mg/l	14	14	100%	0.00000000000592	1.000	↔	-0.00000000000728	1.000	↔	-0.00000619	0.008	↓	2023-05-18	2024-02-04	0.873
24_3_113	MW-16B	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	-0.00192	0.218	↔	0.00207	0.822	↔	0.0000774	0.810	↔	2023-08-13	2023-11-08	0.223
24_3_115	MW-16B	Appendix IV	Lead	mg/l	14	14	100%	0.00000000000335	1.000	↔	-0.00000000000446	1.000	↔	-0.00000416	0.008	↓	2023-05-23	2024-02-04	0.873
24_3_117	MW-16B	Appendix IV	Mercury	mg/l	14	14	100%	-0.000000000605	0.942	↔	0.000000400	0.000	↑	0.0000000471	0.060	↔	2025-03-25	2024-08-04	0.995
24_3_121	MW-16B	Appendix IV	Radium-226+228	pci/l	14	1	7%	0.00714	0.304	↔	-0.0101	0.743	↔	-0.000777	0.839	↔	2023-10-17	2024-05-03	0.333
24_3_122	MW-16B	Appendix IV	Selenium	mg/l	14	13	93%	0.00000186	0.287	↔	0.0000153	0.042	↔	-0.000000845	0.851	↔	2025-02-14	2024-04-06	0.941
24_3_125	MW-16B	Appendix IV	Thallium	mg/l	14	14	100%	0.000000000000110	1.000	↔	-0.0000000000000728	1.000	↔	-0.00000243	0.008	↓	2023-04-09	2024-02-04	0.873
24_5_111	MW-16B	Part 115	Copper	mg/l	14	14	100%	0.00000111	0.447	↔	-0.00000878	0.043	↔	-0.000000391	0.918	↔	2024-02-21	2025-03-25	0.929
24_5_114	MW-16B	Part 115	Iron	mg/l	14	0	0%	-0.00660	0.013	↔	-0.000840	0.054	↔	0.0000378	0.756	↔	2023-03-26	2023-12-24	0.891
24_5_119	MW-16B	Part 115	Nickel	mg/l	14	14	100%	0.000000979	0.279	↔	0.0000172	0.001	↑	0.00000222	0.351	↔	2025-04-12	2024-06-02	0.977
24_5_123	MW-16B	Part 115	Silver	mg/l	14	14	100%	0.000000162	0.276	↔	-0.00000157	0.003	↓	0.000000108	0.778	↔	2024-04-25	2025-03-26	0.962
24_5_129	MW-16B	Part 115	Zinc	mg/l	14	13	93%	0.000000231	0.892	↔	-0.0000163	0.006	↓	0.00000112	0.806	↔	2024-07-16	2025-03-18	0.918
25_2_105	MW-17A	Appendix III	Boron	mg/l	9	0	0%	0.00465	0.204	↔	-0.0200	0.222	↔	0.00197	0.558	↔	2025-06-16	2025-08-21	0.725
25_2_108	MW-17A	Appendix III	Chloride	mg/l	9	0	0%	-0.0189	0.726	↔	0.0295	0.787	↔	-0.000112	0.994	↔	2025-01-10	2025-06-28	0.666
25_2_124	MW-17A	Appendix III	Sulfate	mg/l	9	0	0%	0.498	0.184	↔	-0.857	0.560	↔	0.263	0.448	↔	2025-06-20	2025-08-22	0.812
25_3_102	MW-17A	Appendix IV	Arsenic	mg/l	9	1	11%	-0.00000485	0.240	↔	-0.000000558	0.973	↔	0.00000633	0.165	↔	2025-03-20	2025-08-30	0.739
25_3_104	MW-17A	Appendix IV	Beryllium	mg/l	9	9	100%	-0.00000701	0.282	↔	-0.00000135	0.596	↔	0.000000186	0.928	↔	2025-01-10	2025-07-12	0.796
25_3_106	MW-17A	Appendix IV	Cadmium	mg/l	9	8	89%	-0.0000161	0.602	↔	-0.00000000553	1.000	↔	-0.0000000843	0.997	↔	2025-02-26	2025-08-07	0.297
25_3_110	MW-17A	Appendix IV	Cobalt	mg/l	9	7	78%	-0.0000415	0.123	↔	-0.0000000284	0.998	↔	0.000000798	0.959	↔	2025-02-26	2025-08-24	0.849
25_3_115	MW-17A	Appendix IV	Lead	mg/l	9	9	100%	-0.00000925	0.542	↔	-0.0000355	0.285	↔	0.00000114	0.793	↔	2024-12-25	2025-02-27	0.894
25_3_121	MW-17A	Appendix IV	Radium-226+228	pci/l	9	2	22%	0.0280	0.553	↔	-0.0164	0.860	↔	0.00383	0.777	↔	2024-12-18	2025-06-01	0.328
25_3_122	MW-17A	Appendix IV	Selenium	mg/l	9	8	89%	-0.0000347	0.123	↔	0.0000000959	0.994	↔	-0.000000224	0.986	↔	2025-02-26	2025-08-15	0.849
25_3_125	MW-17A	Appendix IV	Thallium	mg/l	9	8	89%	-0.0000126	0.133	↔	0.000000210	0.963	↔	-0.000000562	0.910	↔	2025-02-23	2025-08-20	0.830
25_5_114	MW-17A	Part 115	Iron	mg/l	9	0	0%	-0.000427	0.971	↔	0.0169	0.757	↔	-0.00664	0.604	↔	2025-06-03	2025-08-27	0.290
26_3_102	MW-17B	Appendix IV	Arsenic	mg/l	9	1	11%	0.0000280	0.077	↔	-0.0000514	0.096	↔	0.00000580	0.159	↔	2025-01-09	2025-03-11	0.853
26_3_103	MW-17B	Appendix IV	Barium	mg/l	9	0	0%	0.000146	0.728	↔	-0.000169	0.447	↔	0.00000533	0.931	↔	2024-12-17	2025-05-10	0.718
26_3_104	MW-17B	Appendix IV	Beryllium	mg/l	9	9	100%	-0.00000701	0.282	↔	-0.00000135	0.596	↔	0.000000186	0.928	↔	2025-01-10	2025-07-12	0.796
26_3_115	MW-17B	Appendix IV	Lead	mg/l	9	9	100%	-0.00000925	0.542	↔	-0.0000355	0.285	↔	0.00000114	0.793	↔	2024-12-25	2025-02-27	0.894
26_3_125	MW-17B	Appendix IV	Thallium	mg/l	9	9	100%	0.00000333	0.755	↔	-0.0000272	0.068	↔	0.000000608	0.581	↔	2024-12-05	2025-02-09	0.959
26_5_114	MW-17B	Part 115	Iron	mg/l	9	0	0%	0.0131	0.884	↔	0.0502	0.698	↔	0.000130	0.989	↔	2025-02-25	2024-12-10	0.438
26_5_129	MW-17B	Part 115	Zinc	mg/l	9	3	33%	0.000836	0.357	↔	-0.000325	0.264	↔	0.00194	0.012	↔	2025-01-22	2025-09-08	0.942
27_2_108	MW-17C	Appendix III	Chloride	mg/l	9	0	0%	-0.221	0.078	↔	0.0571	0.760	↔	-0.0876	0.038	↔	2025-01-08	2025-06-06	0.926
27_2_112	MW-17C	Appendix III	Fluoride	mg/l	9	2	22%	0.00542	0.664	↔	-0.00551	0.407	↔	0.000323	0.860	↔	2024-12-17	2025-03-16	0.438
27_2_120	MW-17C	Appendix III	pH, Field	su	11	0	0%	-0.00416	0.188	↔	0.000468	0.764	↔	-0.00266	0.493	↔	2025-02-11	2025-09-11	0.708

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
27_2_124	MW-17C	Appendix III	Sulfate	mg/l	9	0	0%	2.47	0.173	↔	0.857	0.780	↔	-0.193	0.667	↔	2025-01-03	2025-04-10	0.842
27_2_126	MW-17C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2.37	0.132	↔	-5.71	0.355	↔	-0.0658	0.960	↔	2025-06-10	2025-08-22	0.751
27_3_102	MW-17C	Appendix IV	Arsenic	mg/l	9	0	0%	0.0000561	0.096	↔	-0.0000457	0.406	↔	0.00000450	0.559	↔	2024-12-21	2025-02-28	0.704
27_3_103	MW-17C	Appendix IV	Barium	mg/l	9	0	0%	0.000170	0.745	↔	-0.0000713	0.323	↔	0.00000806	0.948	↔	2024-12-17	2025-09-10	0.471
27_3_104	MW-17C	Appendix IV	Beryllium	mg/l	9	9	100%	-0.00000701	0.282	↔	-0.00000135	0.596	↔	0.000000186	0.928	↔	2025-01-10	2025-07-12	0.796
27_3_113	MW-17C	Appendix IV	Fluoride (App IV)	mg/l	9	2	22%	0.00542	0.664	↔	-0.00551	0.407	↔	0.000323	0.860	↔	2024-12-17	2025-03-16	0.438
27_3_115	MW-17C	Appendix IV	Lead	mg/l	9	6	67%	0.00000856	0.679	↔	0.0000562	0.125	↔	0.000000936	0.655	↔	2025-02-04	2024-12-02	0.941
27_3_118	MW-17C	Appendix IV	Molybdenum	mg/l	9	0	0%	-0.000471	0.008	↓	0.000296	0.437	↔	-0.000102	0.271	↔	2025-05-09	2025-09-08	0.972
27_3_125	MW-17C	Appendix IV	Thallium	mg/l	9	9	100%	0.00000333	0.755	↔	-0.0000272	0.068	↔	0.000000608	0.581	↔	2024-12-05	2025-02-09	0.959
27_5_119	MW-17C	Part 115	Nickel	mg/l	9	1	11%	-0.000152	0.578	↔	0.00000484	0.984	↔	-0.0000226	0.880	↔	2025-02-06	2025-08-01	0.267
27_5_129	MW-17C	Part 115	Zinc	mg/l	9	4	44%	0.000287	0.367	↔	-0.000142	0.493	↔	0.00725	0.000	↑	2025-01-23	2025-09-10	0.999
28_2_107	MW-18A	Appendix III	Calcium	mg/l	10	0	0%	0.454	0.398	↔	-0.213	0.736	↔	0.0120	0.962	↔	2025-02-12	2025-06-04	0.273
28_2_112	MW-18A	Appendix III	Fluoride	mg/l	10	0	0%	-0.000786	0.700	↔	-0.00365	0.485	↔	-0.000136	0.939	↔	2025-07-09	2025-04-20	0.200
28_2_124	MW-18A	Appendix III	Sulfate	mg/l	10	0	0%	-3.00	0.175	↔	1.27	0.240	↔	-0.00679	0.976	↔	2024-11-17	2025-03-02	0.674
28_2_126	MW-18A	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	0.840	0.383	↔	-1.25	0.508	↔	0.164	0.669	↔	2025-02-22	2025-05-08	0.341
28_3_102	MW-18A	Appendix IV	Arsenic	mg/l	10	4	40%	0.0000304	0.172	↔	-0.0000252	0.534	↔	0.000000885	0.841	↔	2024-12-18	2025-04-20	0.770
28_3_103	MW-18A	Appendix IV	Barium	mg/l	10	0	0%	0.000300	0.393	↔	-0.000536	0.444	↔	-0.00000385	0.978	↔	2025-02-20	2025-04-26	0.371
28_3_104	MW-18A	Appendix IV	Beryllium	mg/l	10	10	100%	-0.00000215	0.762	↔	0.00000688	0.408	↔	0.000000362	0.657	↔	2025-03-06	2024-12-17	0.899
28_3_110	MW-18A	Appendix IV	Cobalt	mg/l	10	10	100%	-0.0000416	0.025	↔	0.00000000104	1.000	↔	-0.000000000105	1.000	↔	2025-02-27	2025-06-26	0.858
28_3_113	MW-18A	Appendix IV	Fluoride (App IV)	mg/l	10	0	0%	-0.000786	0.700	↔	-0.00365	0.485	↔	-0.000136	0.939	↔	2025-07-09	2025-04-20	0.200
28_3_117	MW-18A	Appendix IV	Mercury	mg/l	10	10	100%	0.0000000910	0.843	↔	-0.00000120	0.049	↔	0.0000000242	0.590	↔	2024-12-07	2025-02-11	0.953
28_3_121	MW-18A	Appendix IV	Radium-226+228	pci/l	10	2	20%	-0.0225	0.153	↔	0.00494	0.493	↔	-0.000469	0.912	↔	2025-01-14	2025-06-17	0.679
28_3_125	MW-18A	Appendix IV	Thallium	mg/l	10	10	100%	-0.0000126	0.025	↔	0.00000000000687	1.000	↔	-0.000000000000656	1.000	↔	2025-02-27	2025-06-22	0.858
28_5_114	MW-18A	Part 115	Iron	mg/l	10	0	0%	0.0204	0.203	↔	-0.0231	0.234	↔	0.00359	0.618	↔	2025-02-13	2025-06-04	0.573
28_5_128	MW-18A	Part 115	Vanadium	mg/l	10	10	100%	0.000000459	0.989	↔	0.0000636	0.220	↔	0.00000152	0.637	↔	2025-02-19	2024-12-07	0.933
28_5_129	MW-18A	Part 115	Zinc	mg/l	10	7	70%	0.0000500	0.410	↔	-0.0000771	0.519	↔	0.00000557	0.817	↔	2025-01-23	2025-05-22	0.571
29_2_120	MW-18B	Appendix III	pH, Field	su	12	0	0%	-0.000968	0.411	↔	-0.0000223	0.960	↔	-0.000745	0.871	↔	2025-02-26	2025-12-26	0.401
29_3_103	MW-18B	Appendix IV	Barium	mg/l	10	0	0%	-0.0000909	0.282	↔	0.000114	0.271	↔	-0.00000489	0.899	↔	2025-02-26	2025-05-29	0.501
29_3_104	MW-18B	Appendix IV	Beryllium	mg/l	10	10	100%	-0.00000215	0.762	↔	0.00000688	0.408	↔	0.000000362	0.657	↔	2025-03-06	2024-12-17	0.899
29_3_110	MW-18B	Appendix IV	Cobalt	mg/l	10	10	100%	-0.0000416	0.025	↔	0.00000000104	1.000	↔	-0.000000000105	1.000	↔	2025-02-27	2025-06-26	0.858
29_3_115	MW-18B	Appendix IV	Lead	mg/l	10	10	100%	-0.00000157	0.928	↔	0.0000429	0.139	↔	0.000000941	0.583	↔	2025-02-13	2024-12-14	0.949
29_3_121	MW-18B	Appendix IV	Radium-226+228	pci/l	10	0	0%	-0.0405	0.003	↓	0.0176	0.238	↔	-0.00376	0.225	↔	2025-02-06	2025-05-28	0.944
29_3_125	MW-18B	Appendix IV	Thallium	mg/l	10	10	100%	-0.0000126	0.025	↔	0.00000000000687	1.000	↔	-0.000000000000656	1.000	↔	2025-02-27	2025-06-22	0.858
29_5_128	MW-18B	Part 115	Vanadium	mg/l	10	10	100%	0.000000459	0.989	↔	0.0000636	0.220	↔	0.00000152	0.637	↔	2025-02-19	2024-12-07	0.933
30_2_105	MW-19A	Appendix III	Boron	mg/l	9	0	0%	0.000303	0.488	↔	0.0000153	0.873	↔	-0.00269	0.011	↔	2025-07-21	2026-01-10	0.953
30_2_124	MW-19A	Appendix III	Sulfate	mg/l	9	0	0%	-0.656	0.142	↔	1.01	0.153	↔	0.00374	0.998	↔	2025-09-15	2025-12-09	0.778
30_2_126	MW-19A	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	-0.381	0.803	↔	0.686	0.410	↔	0.0154	0.976	↔	2025-07-21	2025-10-27	0.605
30_3_101	MW-19A	Appendix IV	Antimony	mg/l	9	8	89%	0.00000145	0.356	↔	-0.00000221	0.474	↔	0.000000244	0.804	↔	2025-08-25	2025-10-28	0.581
30_3_102	MW-19A	Appendix IV	Arsenic	mg/l	9	0	0%	0.0000472	0.061	↔	0.000000571	0.888	↔	-0.0000276	0.263	↔	2025-06-23	2025-12-26	0.892
30_3_103	MW-19A	Appendix IV	Barium	mg/l	9	0	0%	-0.000226	0.007	↓	0.000143	0.025	↔	-0.000109	0.063	↔	2025-08-16	2025-11-05	0.976
30_3_110	MW-19A	Appendix IV	Cobalt	mg/l	9	4	44%	-0.00000985	0.025	↔	0.000000228	0.701	↔	-0.000000532	0.867	↔	2025-06-26	2025-12-15	0.939
30_3_118	MW-19A	Appendix IV	Molybdenum	mg/l	9	0	0%	-0.00000590	0.742	↔	-0.0000146	0.581	↔	-0.00000474	0.310	↔	2025-09-14	2025-07-13	0.515

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
30_3_122	MW-19A	Appendix IV	Selenium	mg/l	9	8	89%	0.00000194	0.287	↔	-0.00000289	0.698	↔	0.00000223	0.802	↔	2025-09-30	2026-01-04	0.438
30_3_125	MW-19A	Appendix IV	Thallium	mg/l	9	7	78%	-0.0000000491	0.969	↔	0.00000269	0.335	↔	-0.000000964	0.305	↔	2025-08-23	2025-09-30	0.556
30_5_129	MW-19A	Part 115	Zinc	mg/l	9	8	89%	-0.0000324	0.033	↔	0.00000149	0.507	↔	-0.00000163	0.888	↔	2025-07-02	2025-12-19	0.934
31_2_107	MW-19B	Appendix III	Calcium	mg/l	9	0	0%	-0.0861	0.736	↔	0.158	0.367	↔	-0.144	0.818	↔	2025-08-25	2025-12-13	0.340
31_2_108	MW-19B	Appendix III	Chloride	mg/l	9	0	0%	-0.00244	0.922	↔	0.00847	0.867	↔	0.0900	0.010	↔	2025-08-04	2025-11-03	0.963
31_2_124	MW-19B	Appendix III	Sulfate	mg/l	9	0	0%	-0.170	0.059	↔	0.857	0.045	↔	-0.345	0.347	↔	2025-10-29	2025-12-19	0.901
31_3_102	MW-19B	Appendix IV	Arsenic	mg/l	9	0	0%	0.00000287	0.881	↔	-0.00000251	0.690	↔	-0.00000541	0.622	↔	2025-07-04	2025-11-08	0.514
31_3_106	MW-19B	Appendix IV	Cadmium	mg/l	9	5	56%	-0.000000907	0.084	↔	-0.000000205	0.741	↔	0.0000000849	0.954	↔	2025-08-26	2026-01-07	0.867
31_3_110	MW-19B	Appendix IV	Cobalt	mg/l	9	5	56%	-0.000000401	0.251	↔	0.00000000722	0.988	↔	-0.0000000926	0.937	↔	2025-09-18	2025-12-17	0.686
31_3_118	MW-19B	Appendix IV	Molybdenum	mg/l	9	0	0%	0.0000319	0.629	↔	-0.0000299	0.219	↔	0.00000470	0.897	↔	2025-07-21	2025-11-05	0.577
31_3_121	MW-19B	Appendix IV	Radium-226+228	pci/l	9	2	22%	0.00770	0.668	↔	0.000418	0.918	↔	-0.00278	0.899	↔	2025-06-24	2025-12-09	0.196
31_3_125	MW-19B	Appendix IV	Thallium	mg/l	9	7	78%	-0.000000838	0.175	↔	0.00000000000568	1.000	↔	-0.000000000000436	1.000	↔	2025-08-11	2025-10-03	0.783
31_5_114	MW-19B	Part 115	Iron	mg/l	9	0	0%	-0.00247	0.316	↔	-0.0151	0.378	↔	-0.00666	0.592	↔	2026-01-01	2025-10-17	0.441
32_2_107	MW-100A	Appendix III	Calcium	mg/l	12	0	0%	-0.0161	0.229	↔	-0.00203	0.725	↔	-0.0257	0.109	↔	2024-01-02	2025-06-23	0.817
32_2_112	MW-100A	Appendix III	Fluoride	mg/l	12	7	58%	-0.000000000000649	1.000	↔	-0.00225	0.527	↔	0.000280	0.686	↔	2023-09-19	2024-05-29	0.534
32_2_120	MW-100A	Appendix III	pH, Field	su	12	0	0%	0.000275	0.852	↔	-0.000213	0.463	↔	0.00106	0.262	↔	2023-10-22	2025-07-24	0.269
32_3_102	MW-100A	Appendix IV	Arsenic	mg/l	12	0	0%	0.0000841	0.038	↔	-0.00000774	0.070	↔	-0.000000824	0.948	↔	2023-09-10	2025-02-05	0.816
32_3_103	MW-100A	Appendix IV	Barium	mg/l	12	0	0%	-0.0000454	0.066	↔	0.00000549	0.883	↔	-0.0000549	0.177	↔	2024-07-05	2025-07-21	0.846
32_3_104	MW-100A	Appendix IV	Beryllium	mg/l	12	12	100%	0.000000407	0.444	↔	0.00000235	0.131	↔	-0.000000257	0.781	↔	2025-02-11	2024-03-14	0.935
32_3_106	MW-100A	Appendix IV	Cadmium	mg/l	12	12	100%	0.000000196	0.561	↔	-0.00000108	0.106	↔	-0.0000000468	0.937	↔	2024-02-12	2025-04-01	0.921
32_3_109	MW-100A	Appendix IV	Chromium	mg/l	12	12	100%	-0.0000000000579	1.000	↔	0.0000000000897	1.000	↔	-0.00000625	0.005	↓	2023-08-26	2024-02-06	0.867
32_3_113	MW-100A	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	-0.000000000000649	1.000	↔	-0.00225	0.527	↔	0.000280	0.686	↔	2023-09-19	2024-05-29	0.534
32_3_115	MW-100A	Appendix IV	Lead	mg/l	12	12	100%	0.00000123	0.504	↔	-0.00000716	0.059	↔	0.00000118	0.714	↔	2024-03-18	2025-05-19	0.936
32_3_116	MW-100A	Appendix IV	Lithium	mg/l	12	0	0%	0.0000286	0.059	↔	-0.0000449	0.000	↓	-0.00000477	0.019	↔	2023-09-12	2024-02-13	0.984
32_3_118	MW-100A	Appendix IV	Molybdenum	mg/l	12	0	0%	0.00000657	0.238	↔	-0.0000350	0.004	↓	-0.00000180	0.038	↔	2023-09-18	2024-01-23	0.984
32_3_121	MW-100A	Appendix IV	Radium-226+228	pci/l	12	0	0%	-0.0158	0.092	↔	0.00389	0.631	↔	-0.00162	0.325	↔	2023-09-20	2024-08-06	0.546
32_3_125	MW-100A	Appendix IV	Thallium	mg/l	12	12	100%	-0.0000000000230	1.000	↔	0.0000000000362	1.000	↔	-0.00000245	0.005	↓	2023-08-27	2024-02-06	0.867
32_5_111	MW-100A	Part 115	Copper	mg/l	12	12	100%	0.000000488	0.593	↔	0.0000188	0.000	↑	0.00000253	0.150	↔	2025-04-03	2024-07-18	0.990
32_5_114	MW-100A	Part 115	Iron	mg/l	12	0	0%	0.0446	0.001	↑	-0.0101	0.217	↔	-0.000759	0.205	↔	2023-08-22	2023-12-19	0.910
32_5_119	MW-100A	Part 115	Nickel	mg/l	12	12	100%	0.00000165	0.545	↔	0.0000110	0.165	↔	0.000000300	0.950	↔	2025-04-22	2024-02-19	0.924
32_5_123	MW-100A	Part 115	Silver	mg/l	12	12	100%	0.000000258	0.680	↔	0.00000126	0.231	↔	0.000000129	0.855	↔	2025-07-23	2023-12-17	0.899
32_5_129	MW-100A	Part 115	Zinc	mg/l	12	8	67%	0.00000170	0.305	↔	-0.0000121	0.004	↓	0.0000165	0.001	↑	2024-06-21	2025-07-16	0.960
33_2_105	MW-100B	Appendix III	Boron	mg/l	12	0	0%	0.000571	0.313	↔	0.0000302	0.619	↔	-0.000110	0.602	↔	2023-08-26	2025-03-27	0.466
33_2_107	MW-100B	Appendix III	Calcium	mg/l	12	0	0%	-0.100	0.078	↔	0.0151	0.755	↔	-0.0204	0.066	↔	2023-10-05	2024-08-06	0.767
33_2_108	MW-100B	Appendix III	Chloride	mg/l	12	0	0%	0.0420	0.003	↑	-0.0176	0.000	↓	-0.00397	0.059	↔	2023-08-28	2024-08-07	0.987
33_2_112	MW-100B	Appendix III	Fluoride	mg/l	12	7	58%	0.000597	0.965	↔	-0.00162	0.485	↔	0.0000205	0.980	↔	2023-07-21	2024-08-06	0.527
33_3_102	MW-100B	Appendix IV	Arsenic	mg/l	12	0	0%	0.00000539	0.205	↔	-0.0000104	0.174	↔	-0.00000185	0.793	↔	2024-03-19	2025-02-05	0.807
33_3_104	MW-100B	Appendix IV	Beryllium	mg/l	12	12	100%	0.000000407	0.444	↔	0.00000235	0.131	↔	-0.000000257	0.781	↔	2025-02-11	2024-03-14	0.935
33_3_106	MW-100B	Appendix IV	Cadmium	mg/l	12	12	100%	0.000000196	0.561	↔	-0.00000108	0.106	↔	-0.0000000468	0.937	↔	2024-02-12	2025-04-01	0.921
33_3_109	MW-100B	Appendix IV	Chromium	mg/l	12	12	100%	-0.0000000000579	1.000	↔	0.0000000000897	1.000	↔	-0.00000625	0.005	↓	2023-08-26	2024-02-06	0.867
33_3_113	MW-100B	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	0.000597	0.965	↔	-0.00162	0.485	↔	0.0000205	0.980	↔	2023-07-21	2024-08-06	0.527
33_3_115	MW-100B	Appendix IV	Lead	mg/l	12	12	100%	0.00000123	0.504	↔	-0.00000716	0.059	↔	0.00000118	0.714	↔	2024-03-18	2025-05-19	0.936

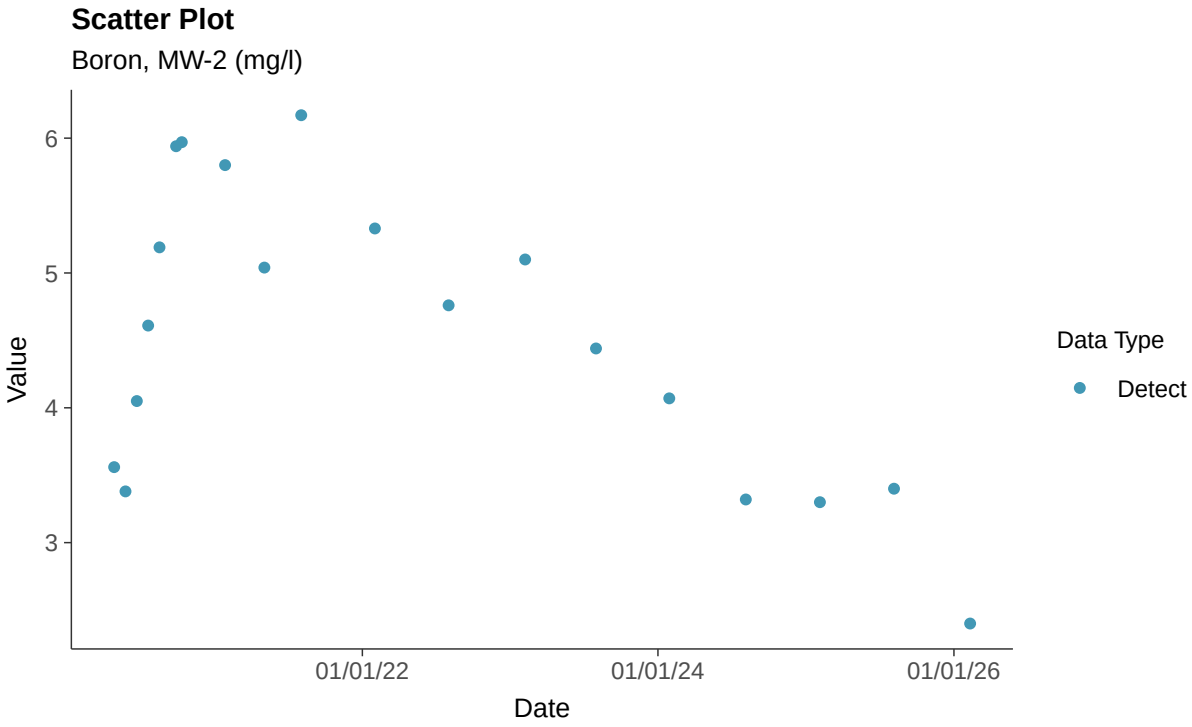
(Table continues on next page)

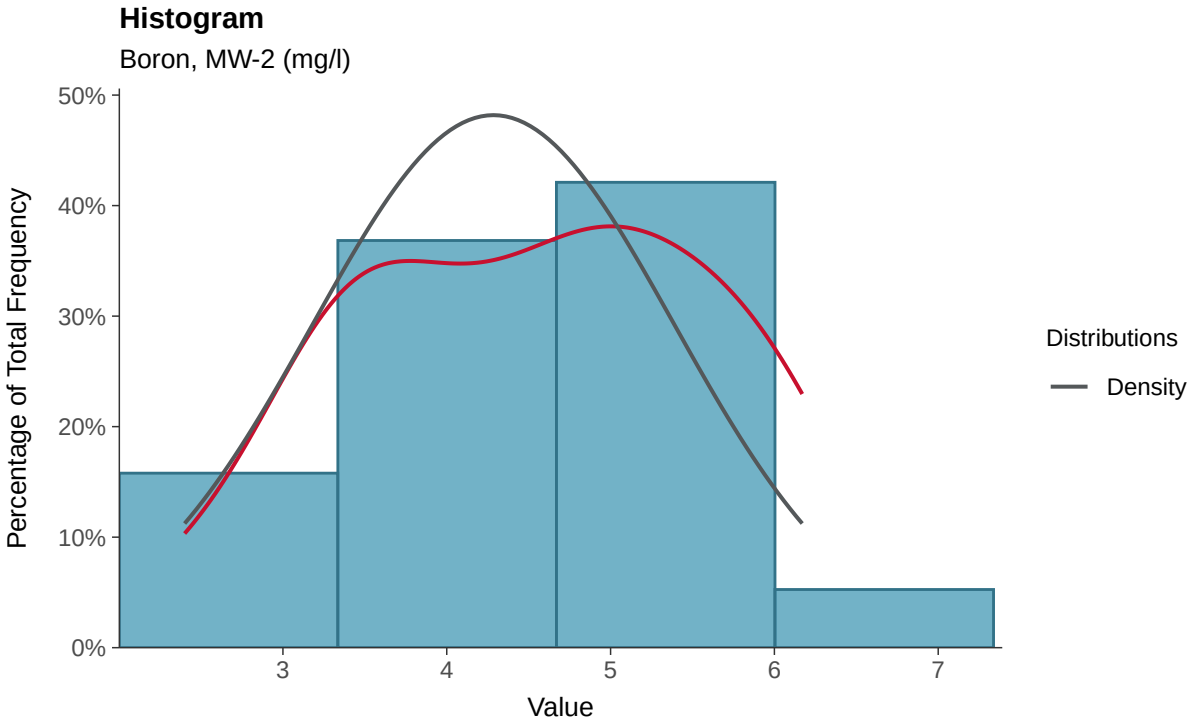
Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
33_3_116	MW-100B	Appendix IV	Lithium	mg/l	12	0	0%	0.0000116	0.767	↔	0.00000280	0.191	↔	-0.0000106	0.191	↔	2023-07-31	2025-07-08	0.522
33_3_125	MW-100B	Appendix IV	Thallium	mg/l	12	12	100%	-0.0000000000230	1.000	↔	0.0000000000362	1.000	↔	-0.00000245	0.005	↓	2023-08-27	2024-02-06	0.867
33_5_111	MW-100B	Part 115	Copper	mg/l	12	12	100%	0.000000488	0.593	↔	0.0000188	0.000	↑	0.00000253	0.150	↔	2025-04-03	2024-07-18	0.990
33_5_123	MW-100B	Part 115	Silver	mg/l	12	12	100%	0.000000258	0.680	↔	0.00000126	0.231	↔	0.000000129	0.855	↔	2025-07-23	2023-12-17	0.899
33_5_129	MW-100B	Part 115	Zinc	mg/l	12	11	92%	0.000000000000000335	0.232	↔	-0.0000170	0.000	↓	0.0000202	0.000	↑	2024-08-06	2025-06-10	1.000

Appendix III: Boron, MW-2

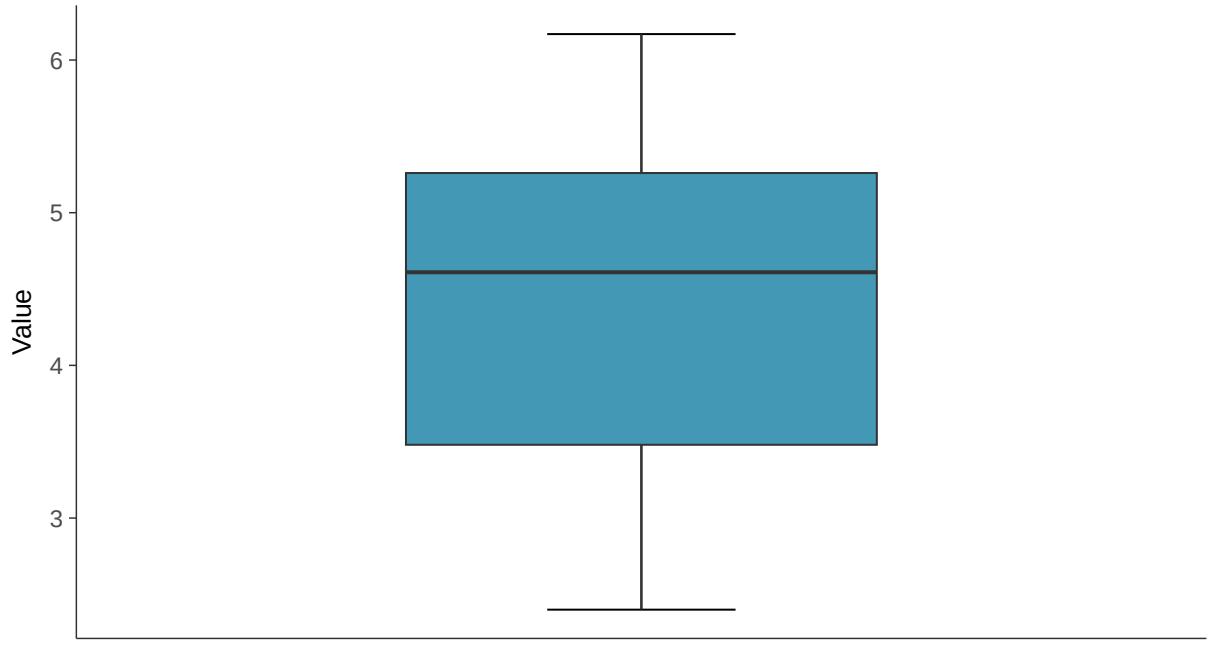
ID: 11_2_105





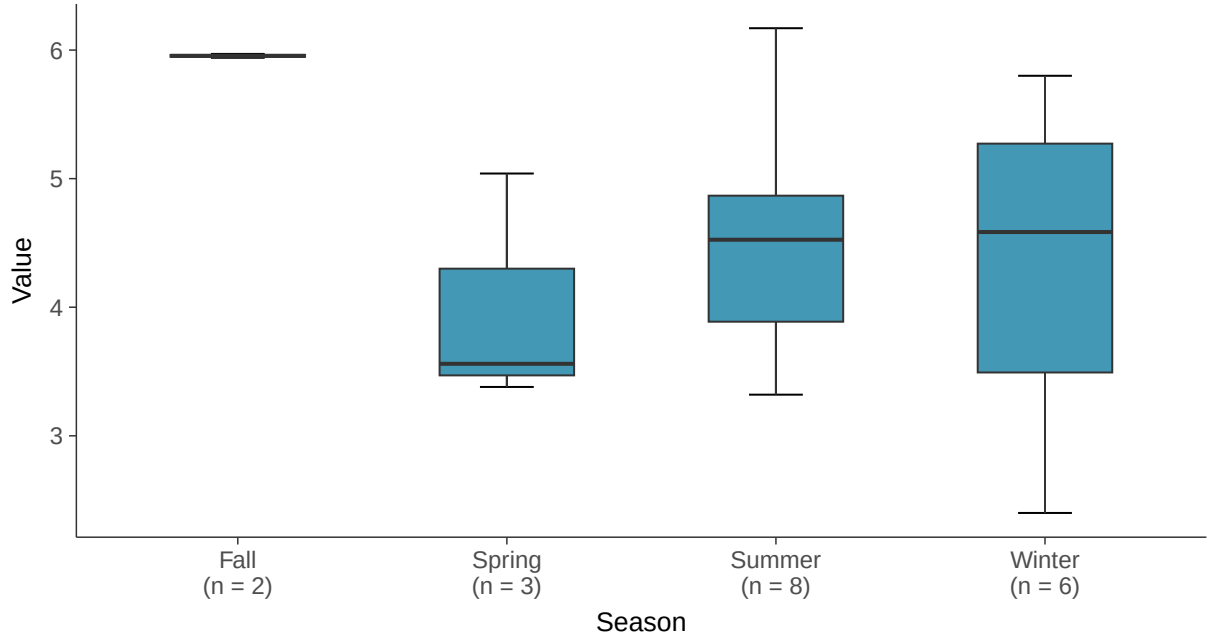
Boxplot

Boron, MW-2 (mg/l)



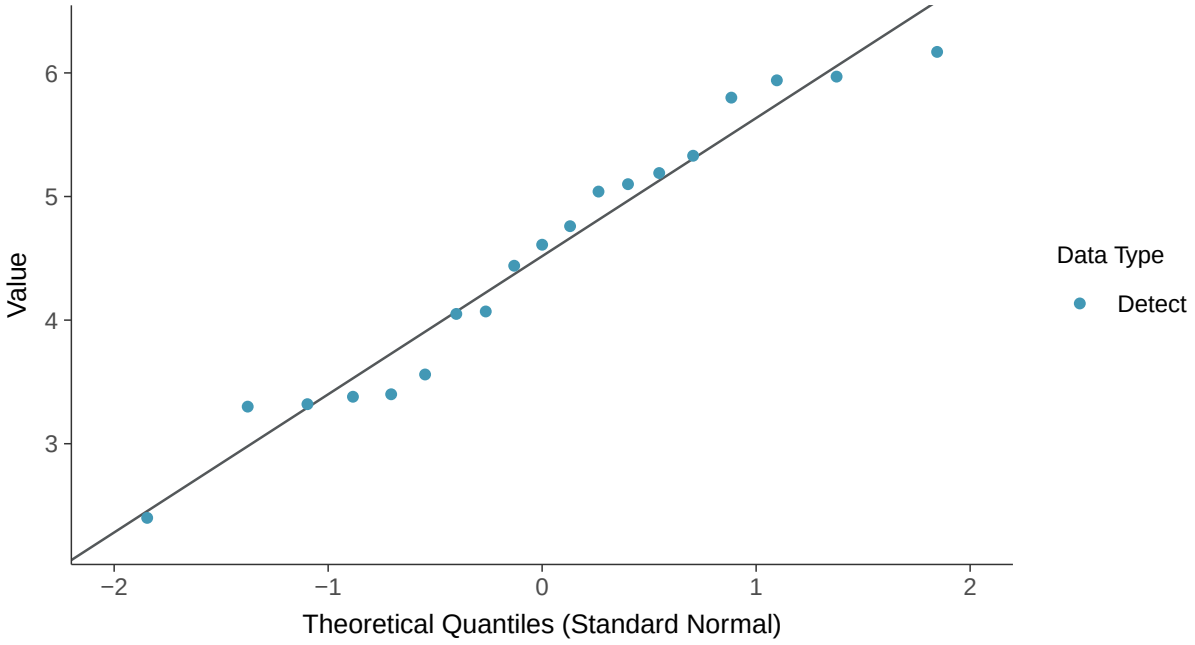
Boxplot by Season

Boron, MW-2 (mg/l)



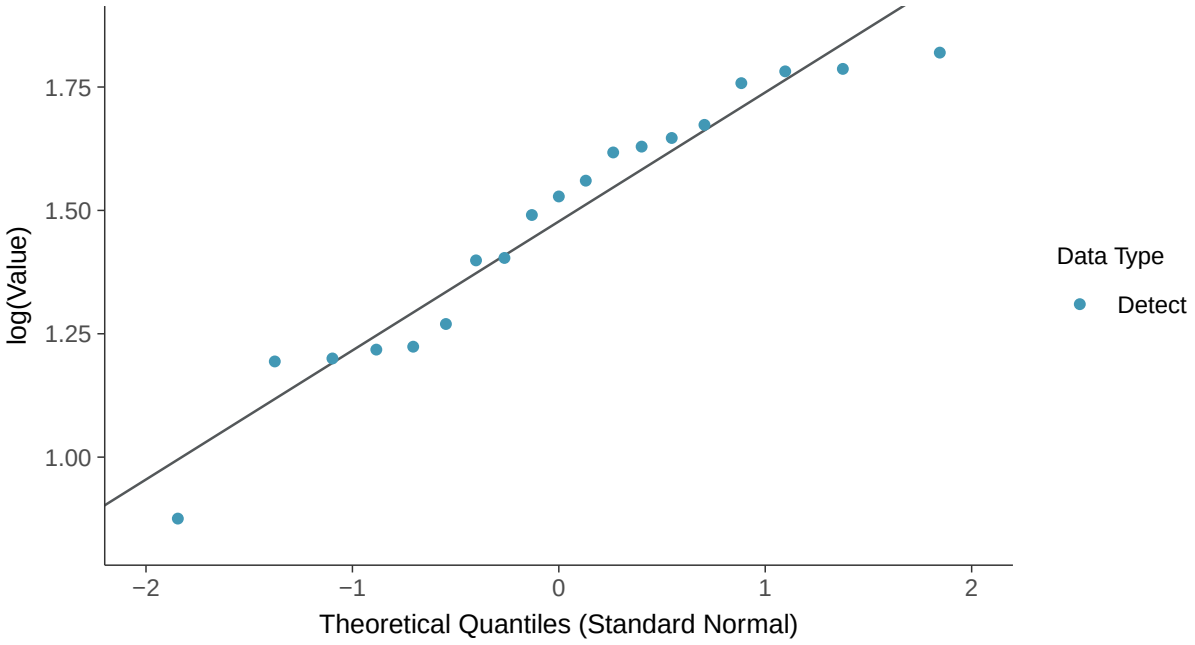
Normal Q-Q plot

Boron, MW-2 (mg/l)



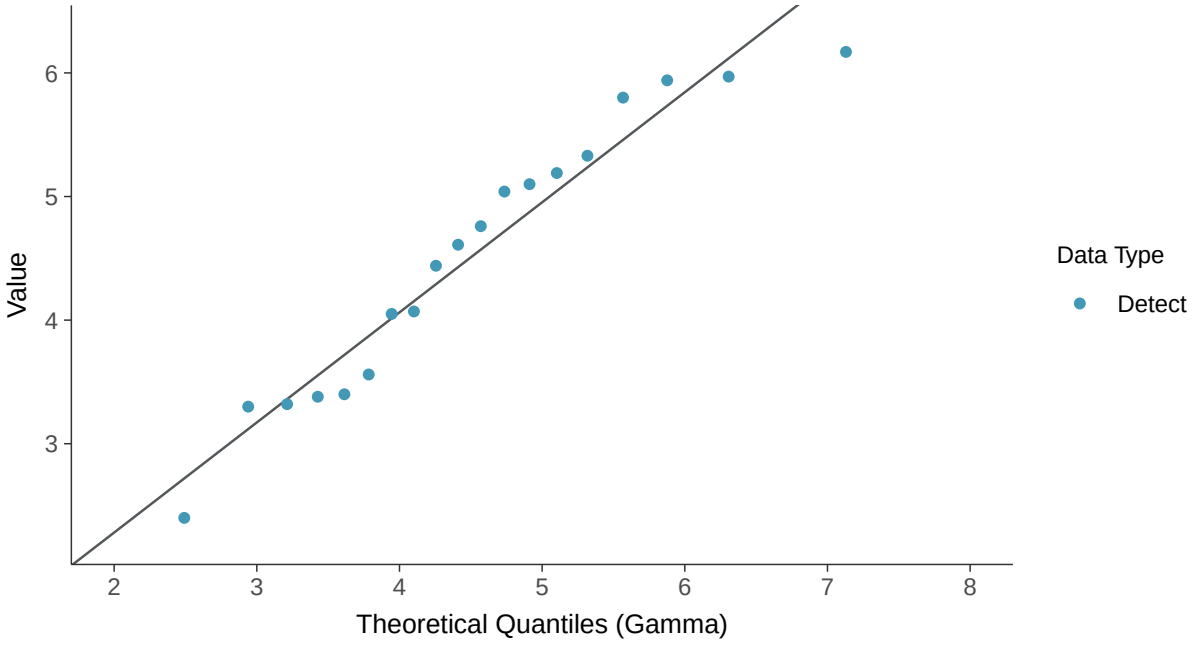
Lognormal Q-Q plot

Boron, MW-2 (mg/l)



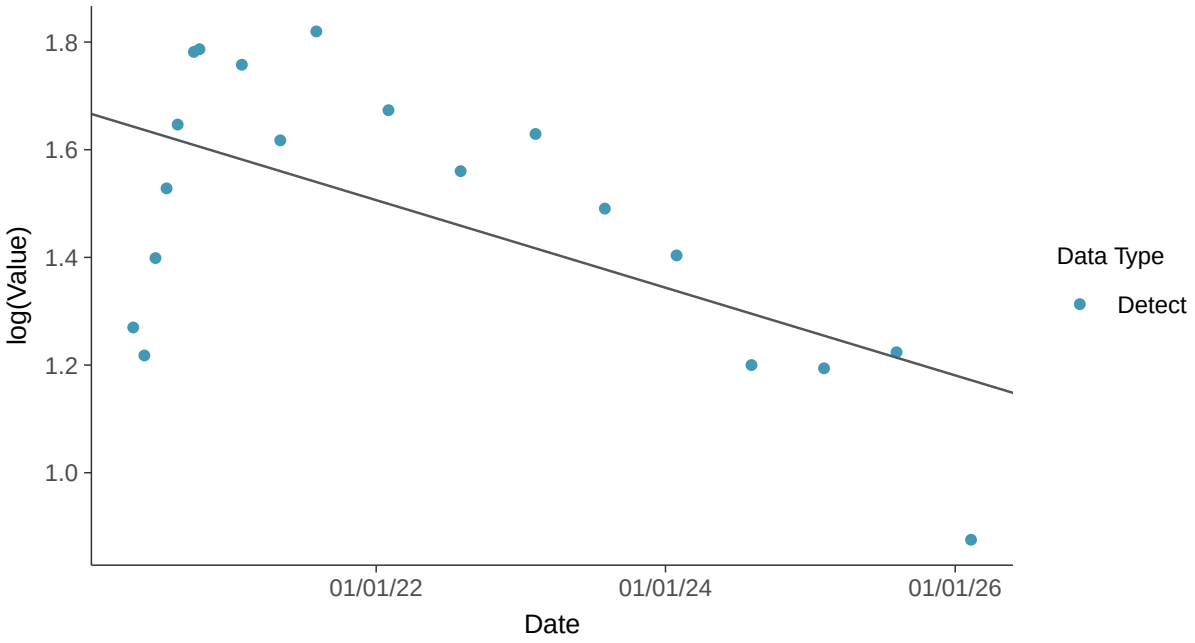
Gamma Q-Q plot

Boron, MW-2 (mg/l)



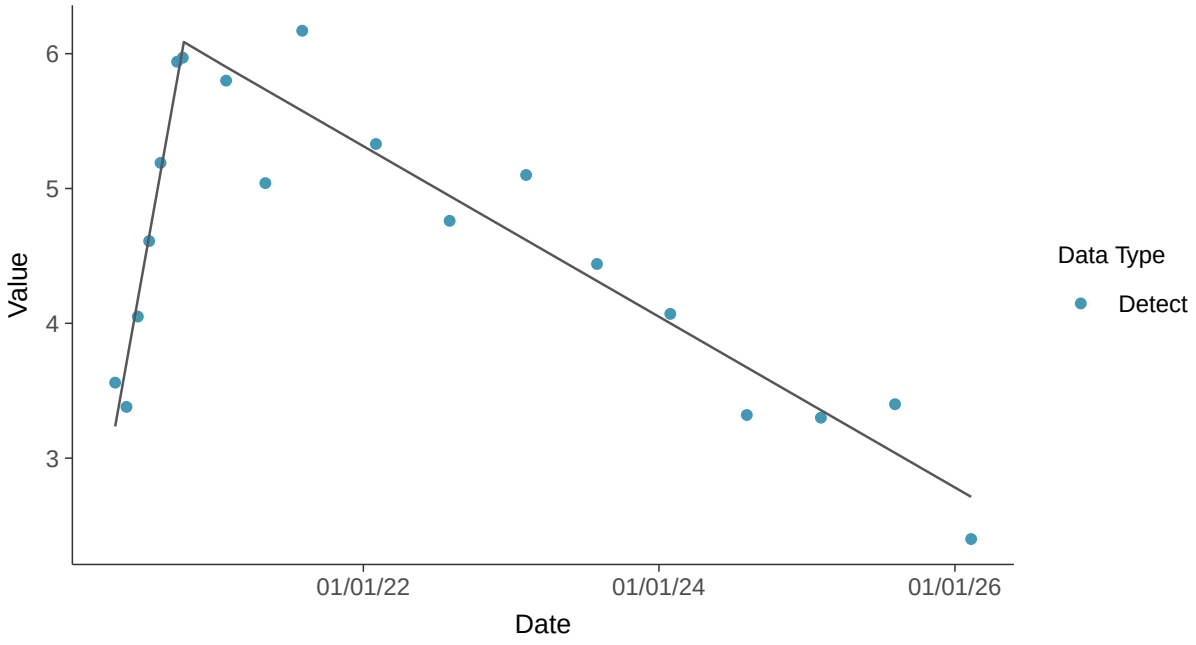
Trend Regression: Lognormal MLE

Boron, MW-2 (mg/l)



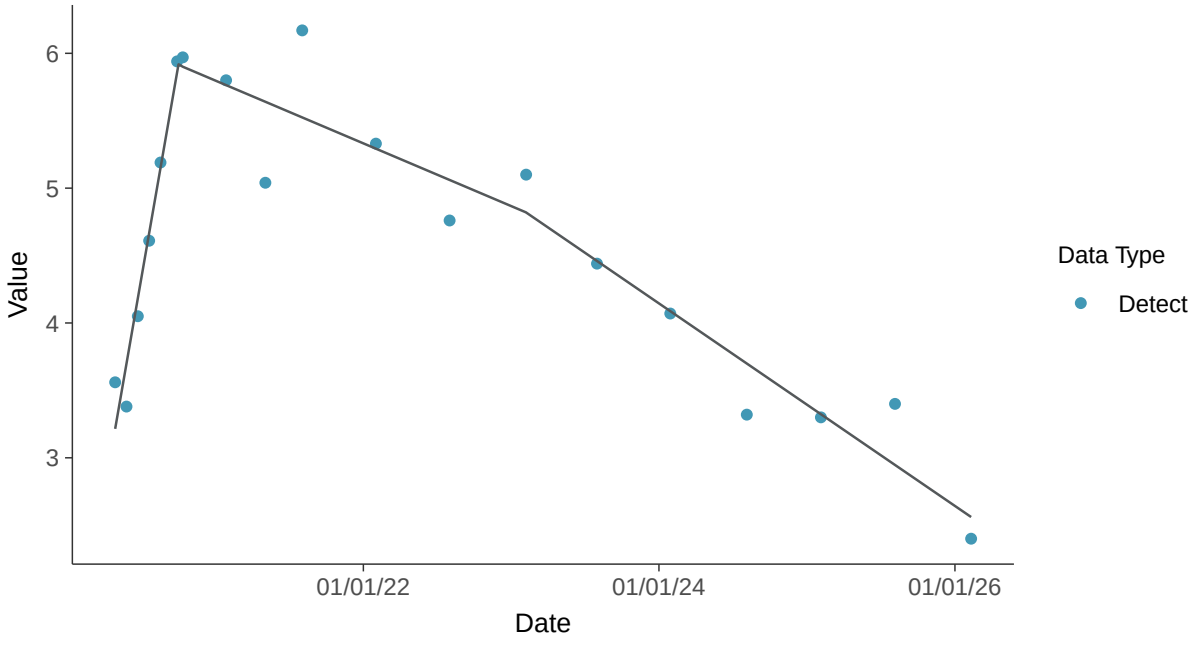
Trend Regression: Piecewise Linear-Linear

Boron, MW-2 (mg/l)



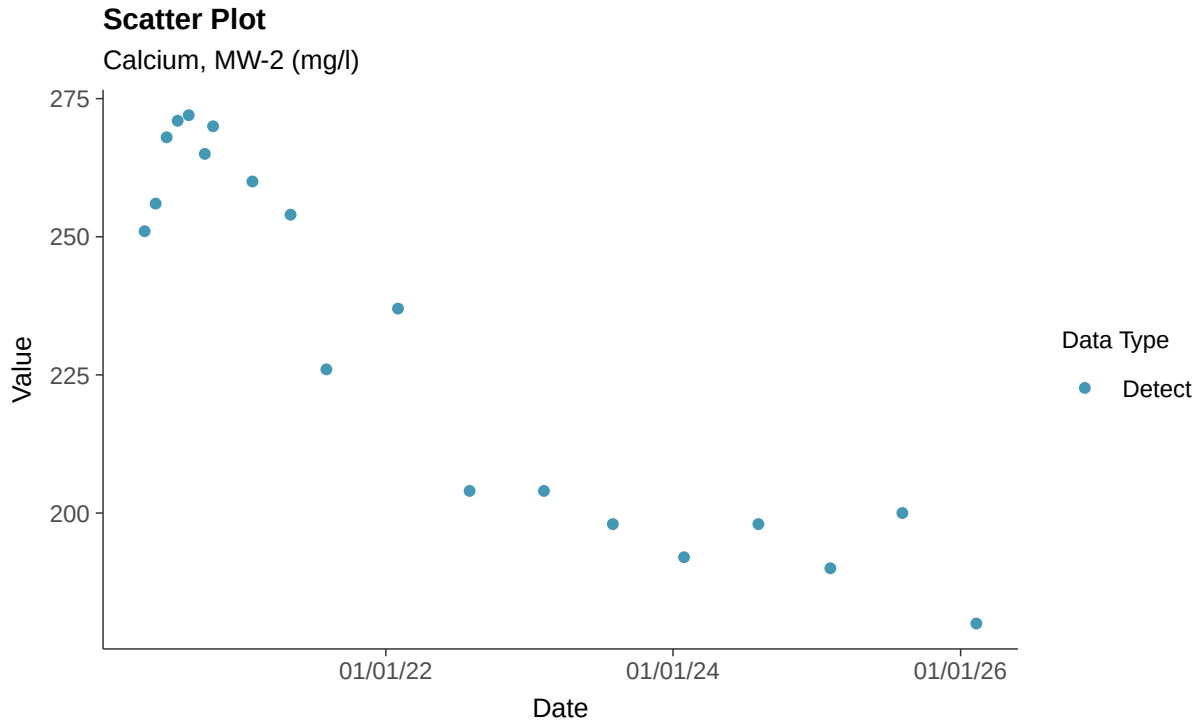
Trend Regression: Piecewise Linear-Linear-Linear

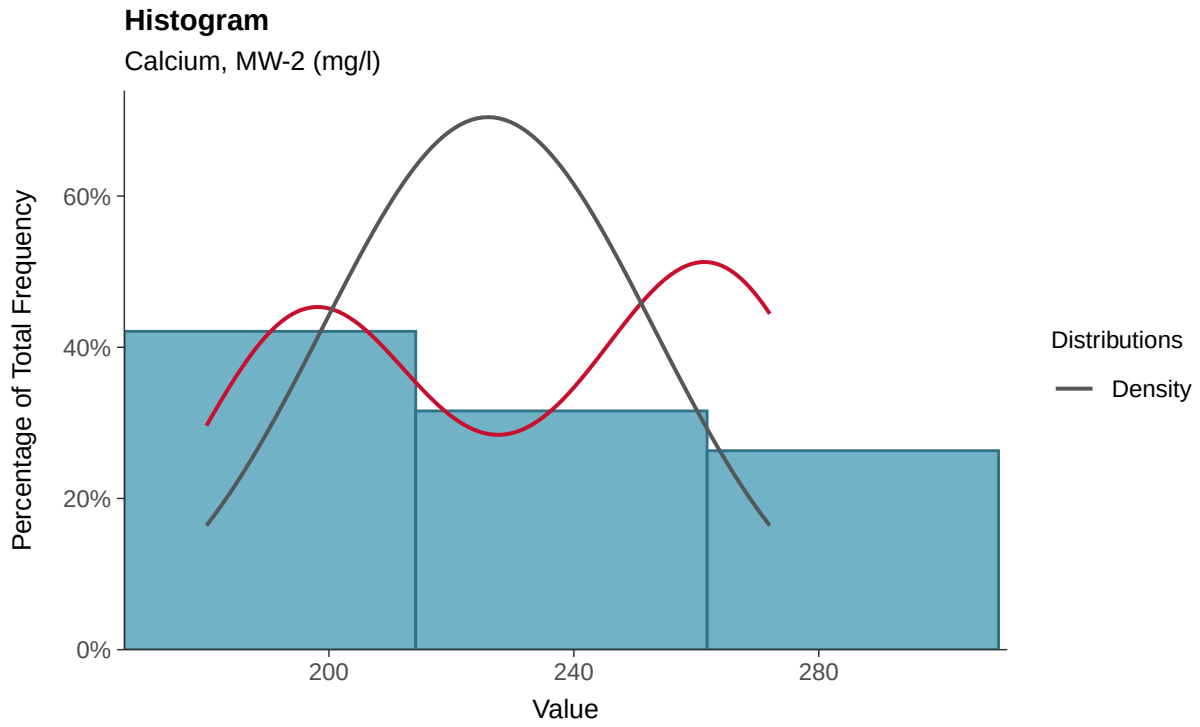
Boron, MW-2 (mg/l)



Appendix III: Calcium, MW-2

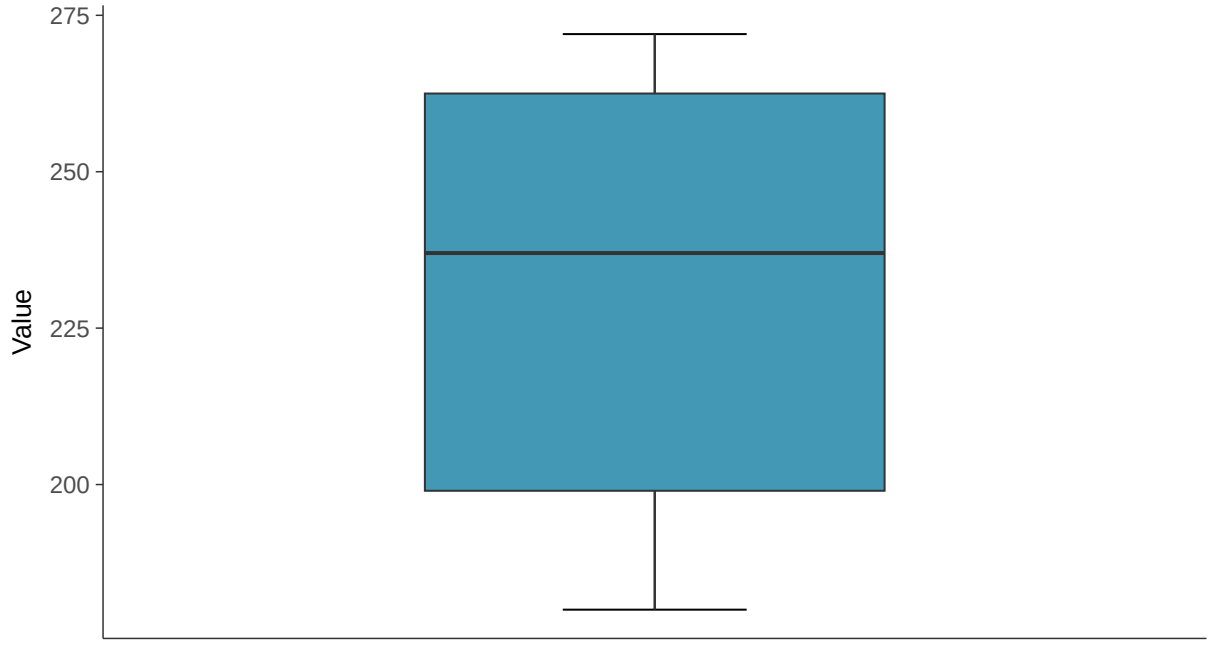
ID: 11_2_107





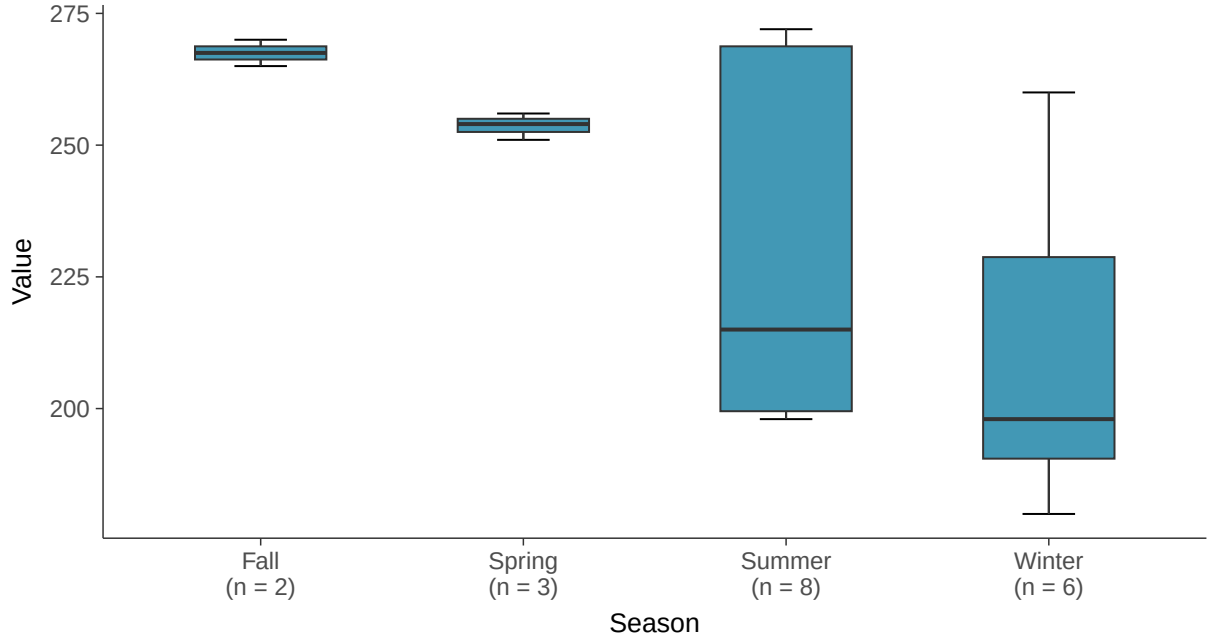
Boxplot

Calcium, MW-2 (mg/l)



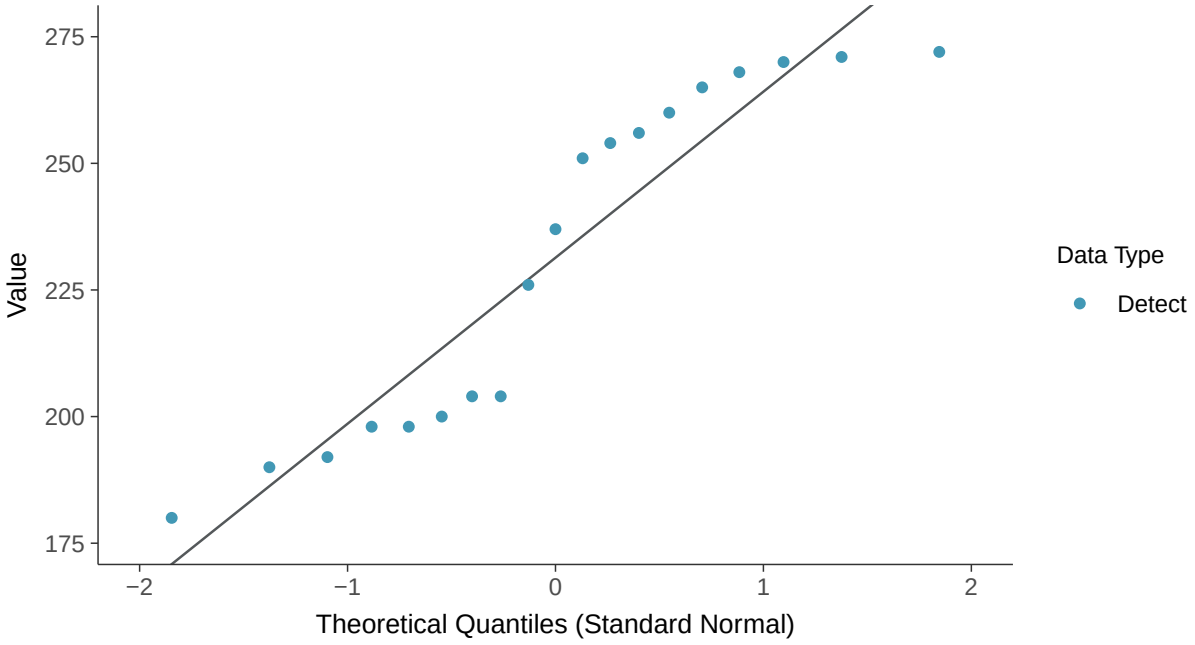
Boxplot by Season

Calcium, MW-2 (mg/l)



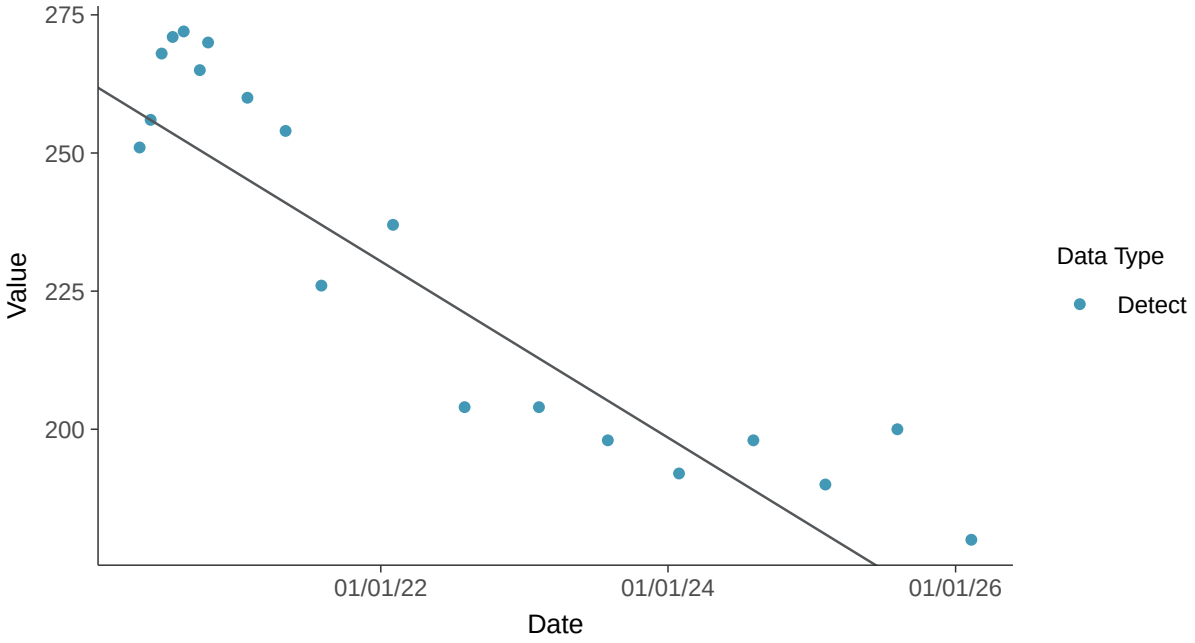
Normal Q-Q plot

Calcium, MW-2 (mg/l)



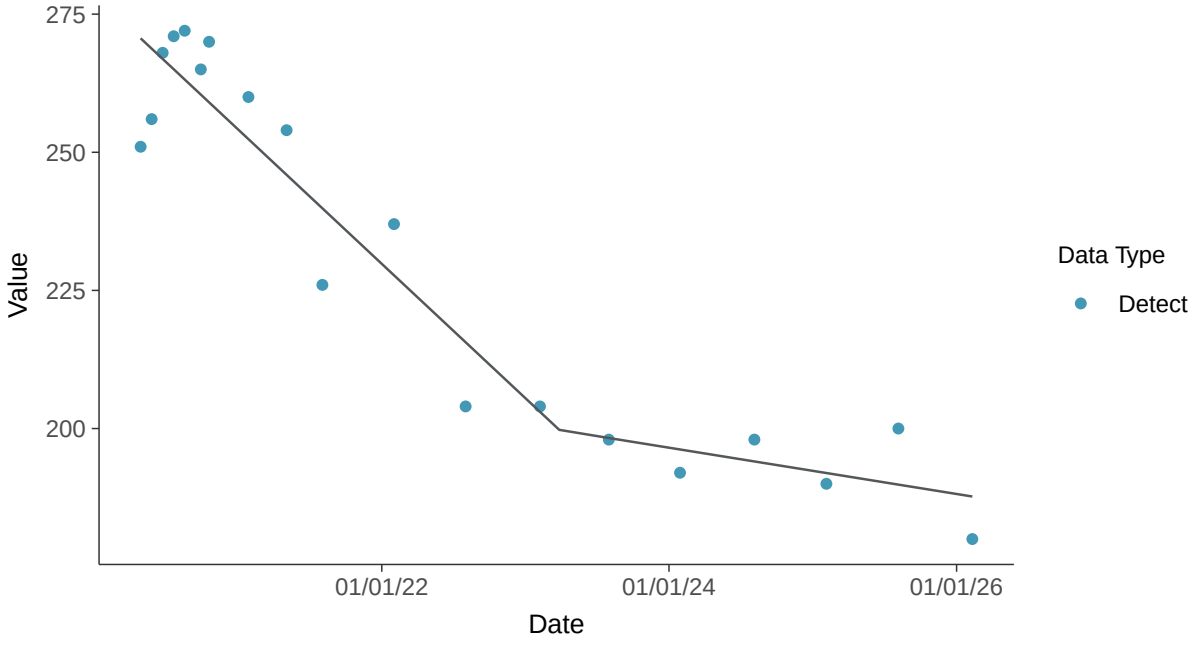
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Calcium, MW-2 (mg/l)



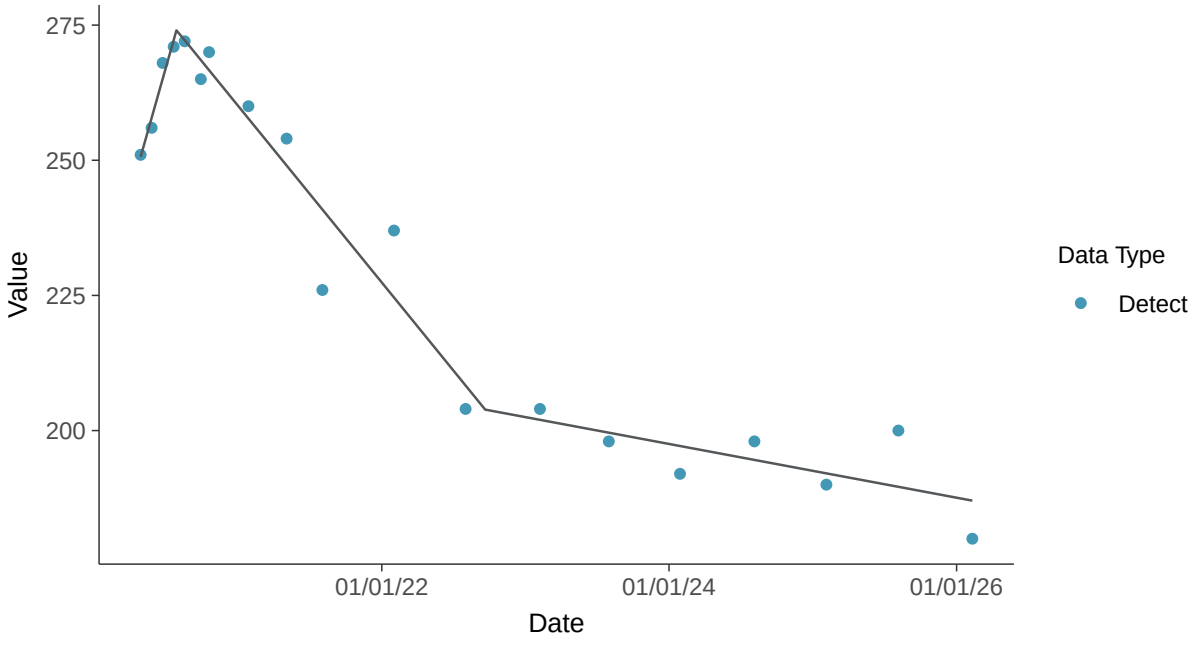
Trend Regression: Piecewise Linear-Linear

Calcium, MW-2 (mg/l)



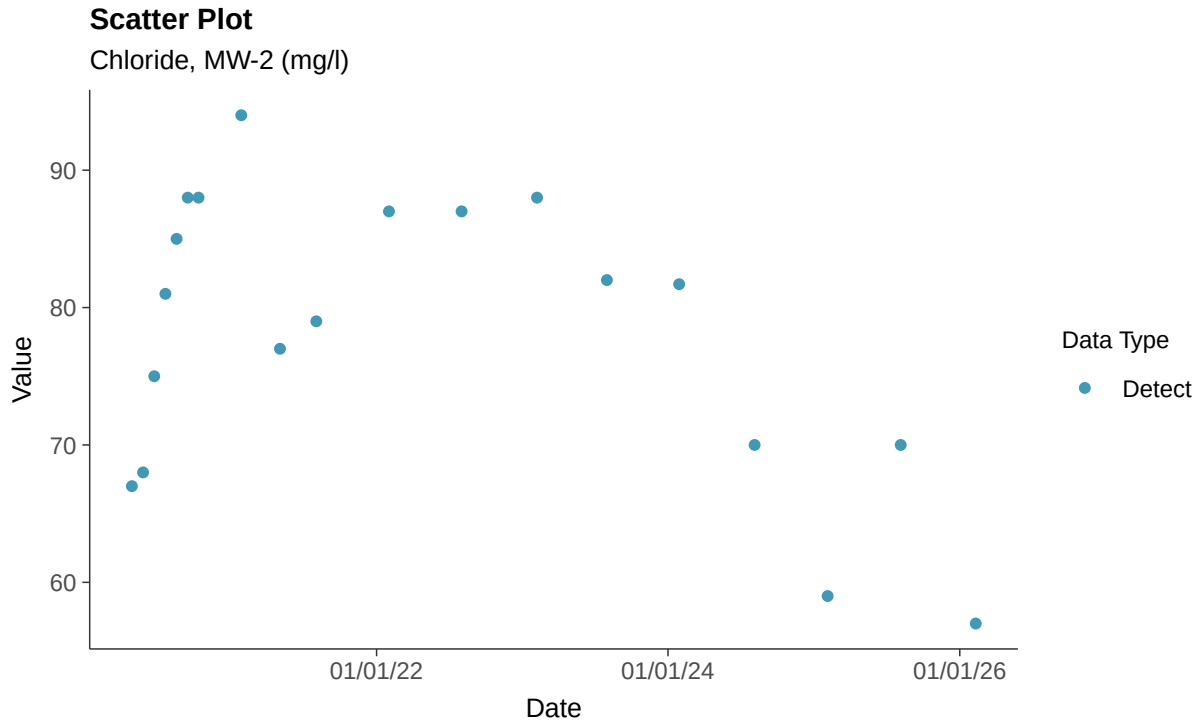
Trend Regression: Piecewise Linear-Linear-Linear

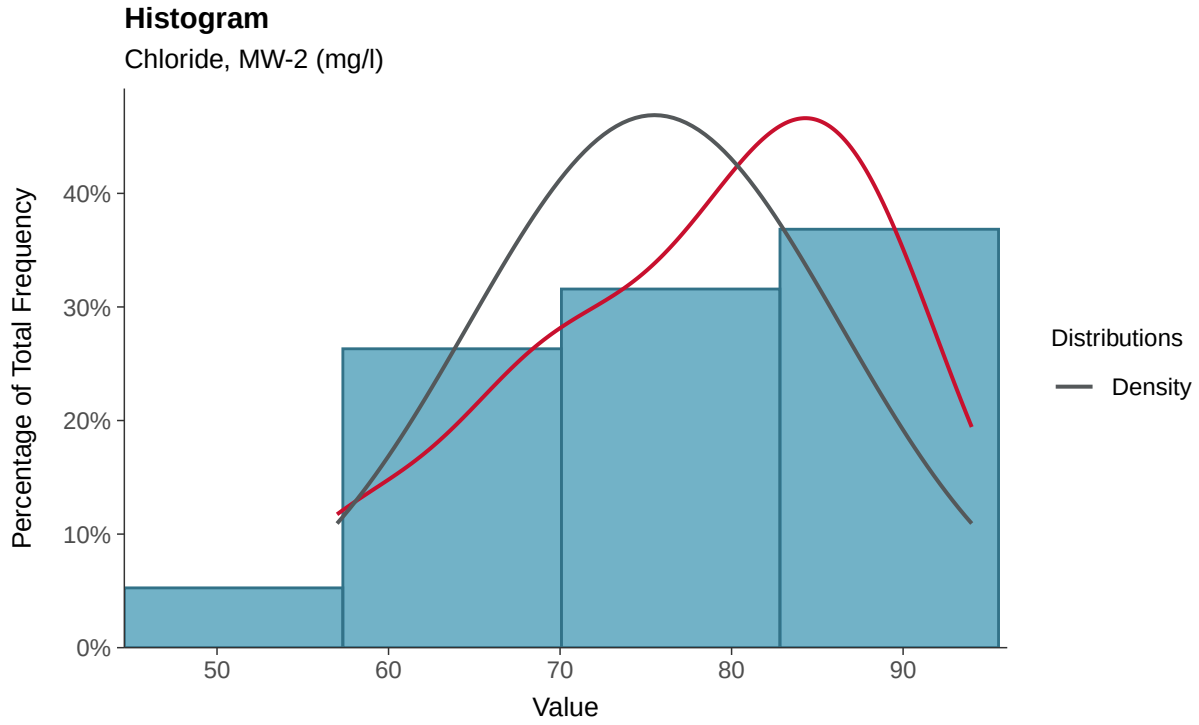
Calcium, MW-2 (mg/l)



Appendix III: Chloride, MW-2

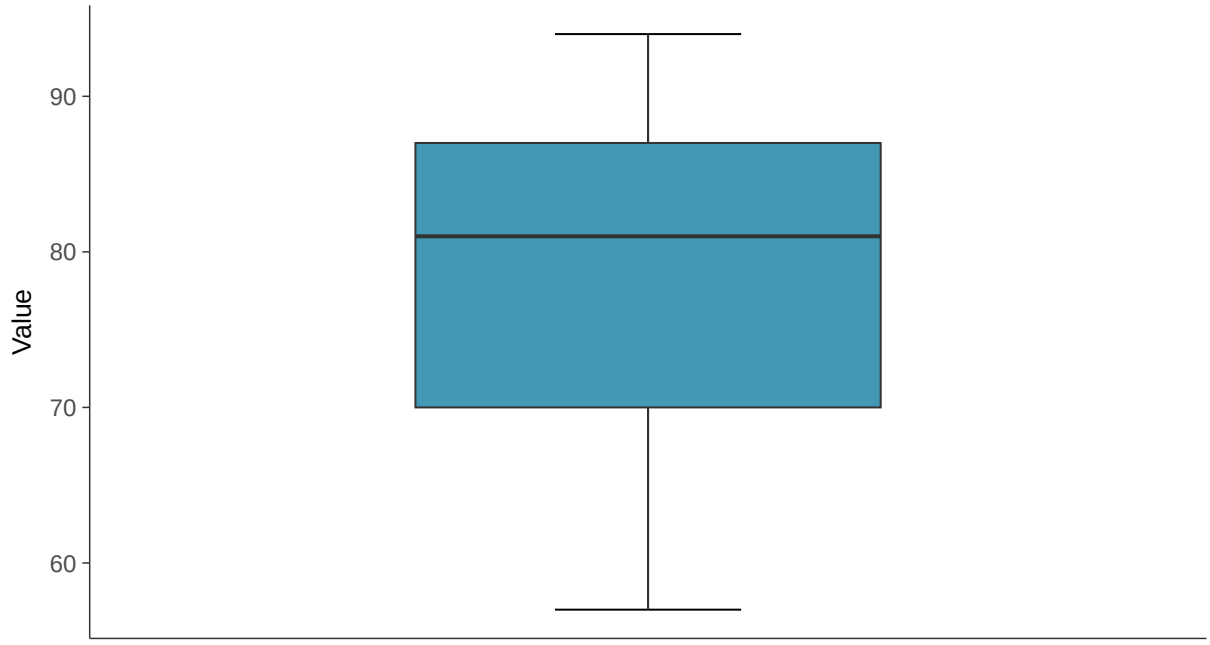
ID: 11_2_108





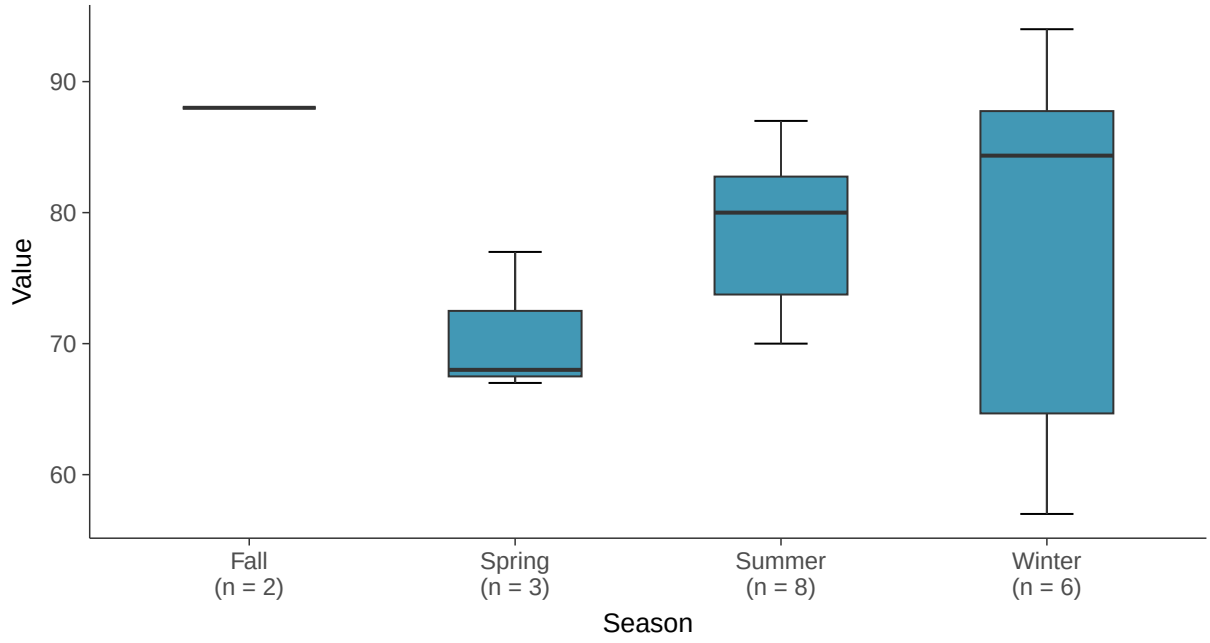
Boxplot

Chloride, MW-2 (mg/l)



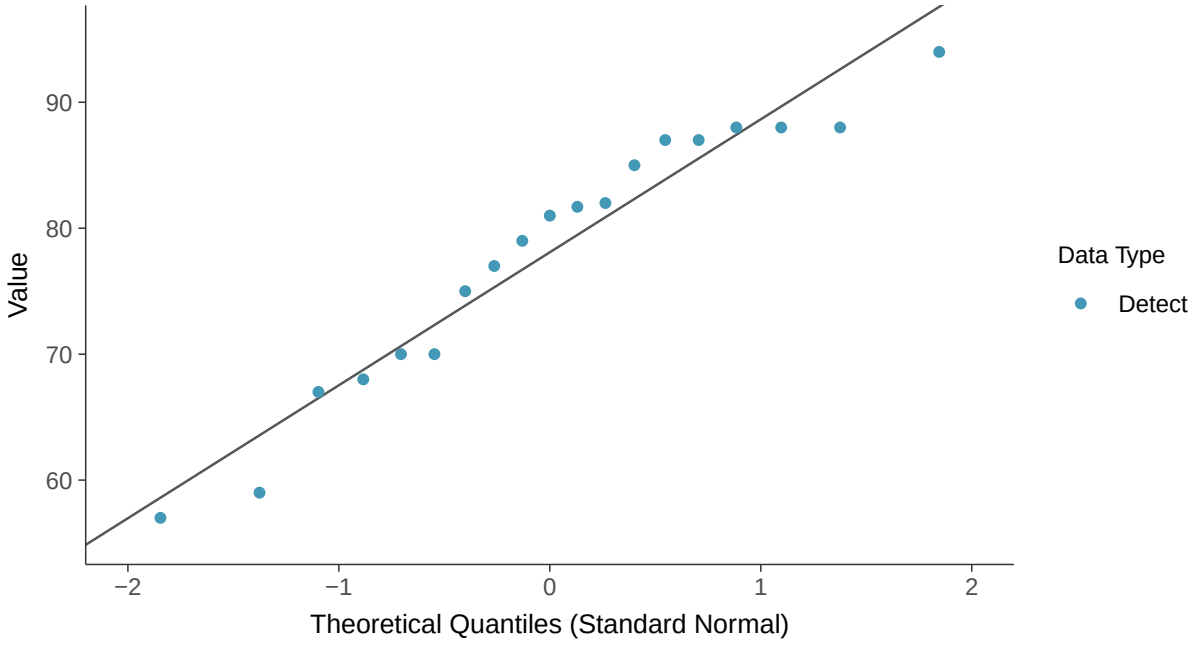
Boxplot by Season

Chloride, MW-2 (mg/l)



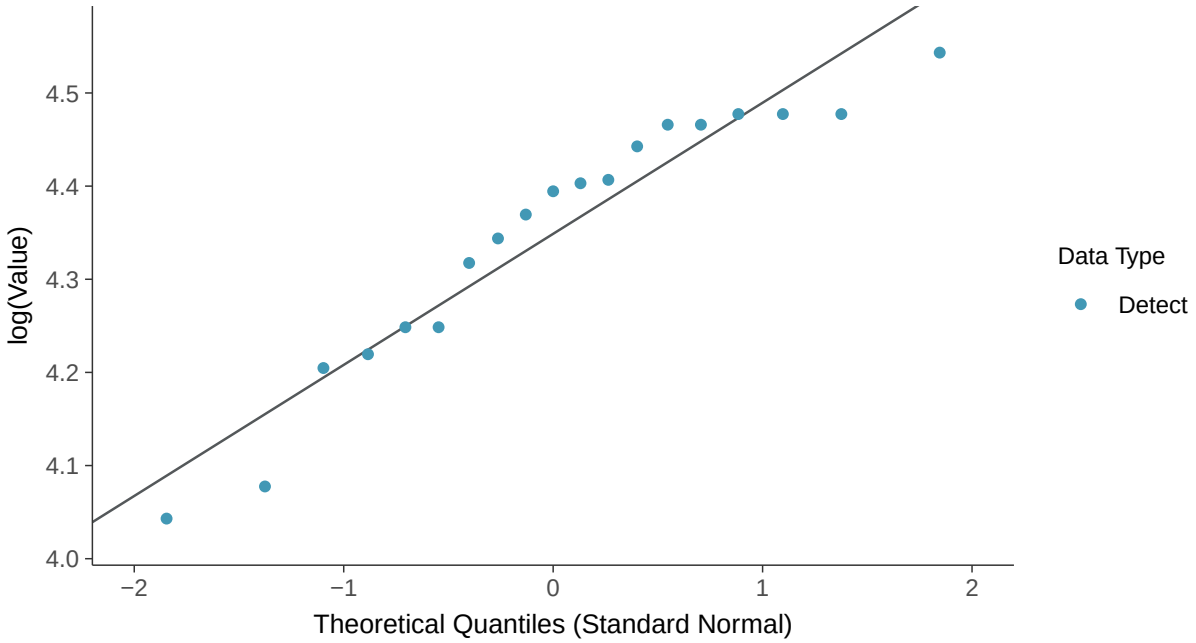
Normal Q-Q plot

Chloride, MW-2 (mg/l)



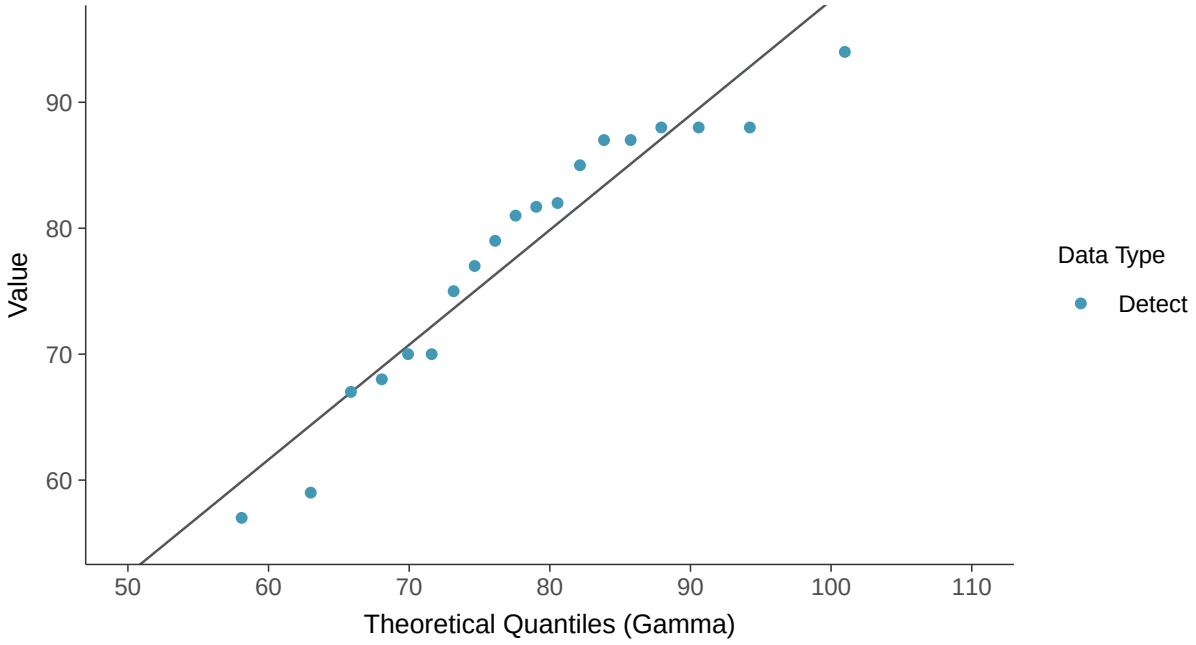
Lognormal Q-Q plot

Chloride, MW-2 (mg/l)



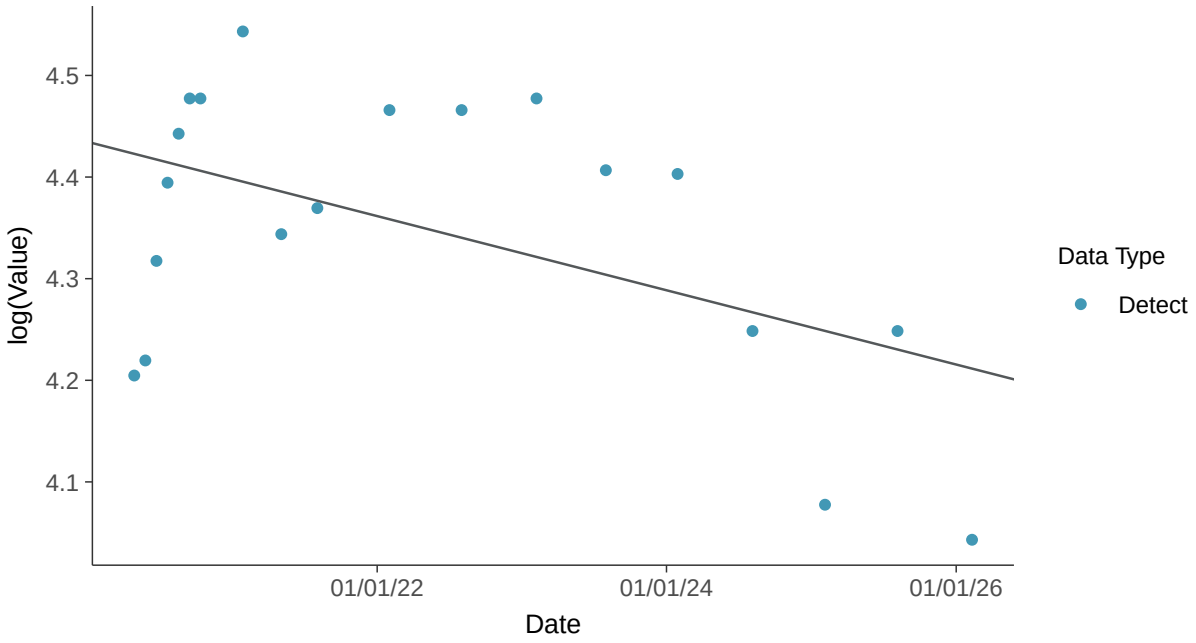
Gamma Q-Q plot

Chloride, MW-2 (mg/l)



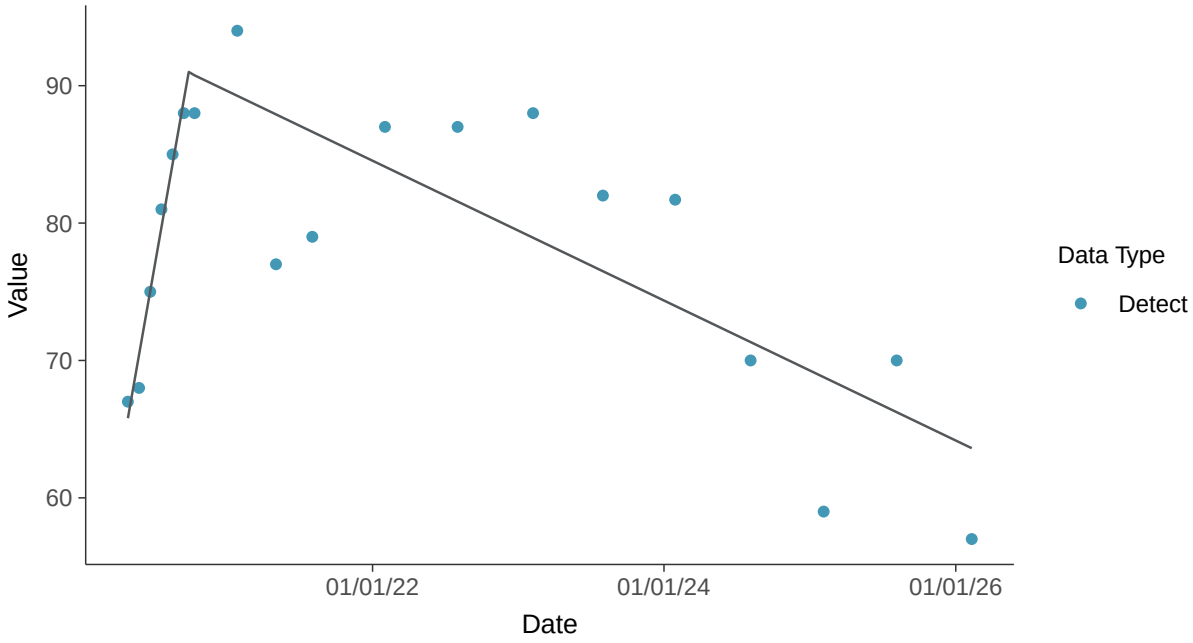
Trend Regression: Lognormal MLE

Chloride, MW-2 (mg/l)



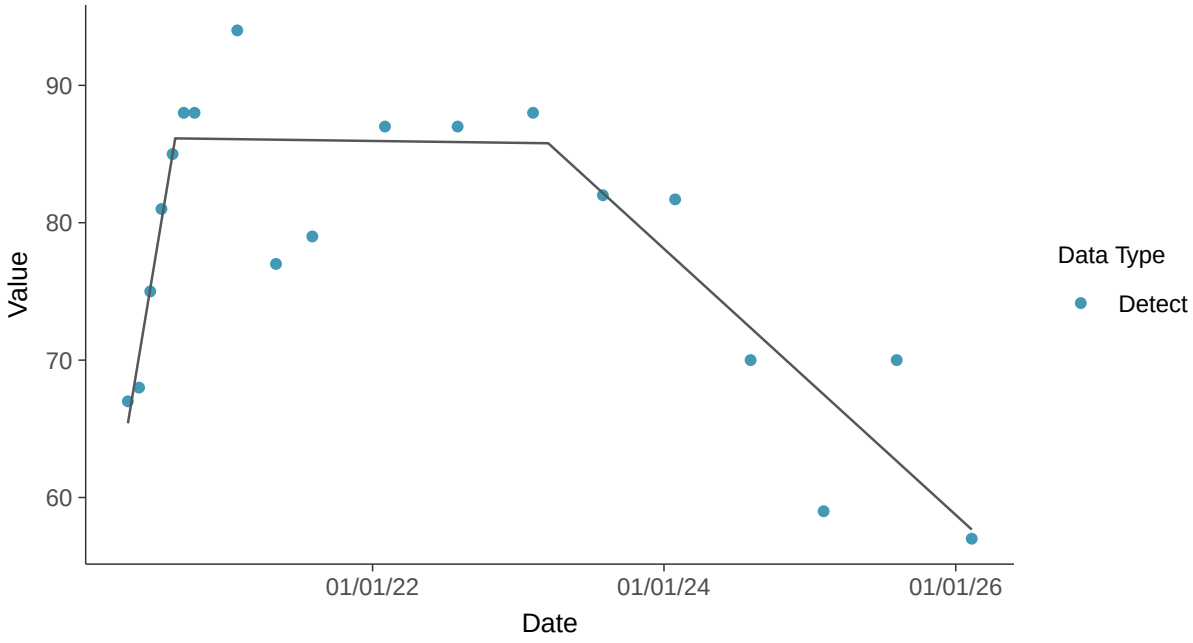
Trend Regression: Piecewise Linear-Linear

Chloride, MW-2 (mg/l)



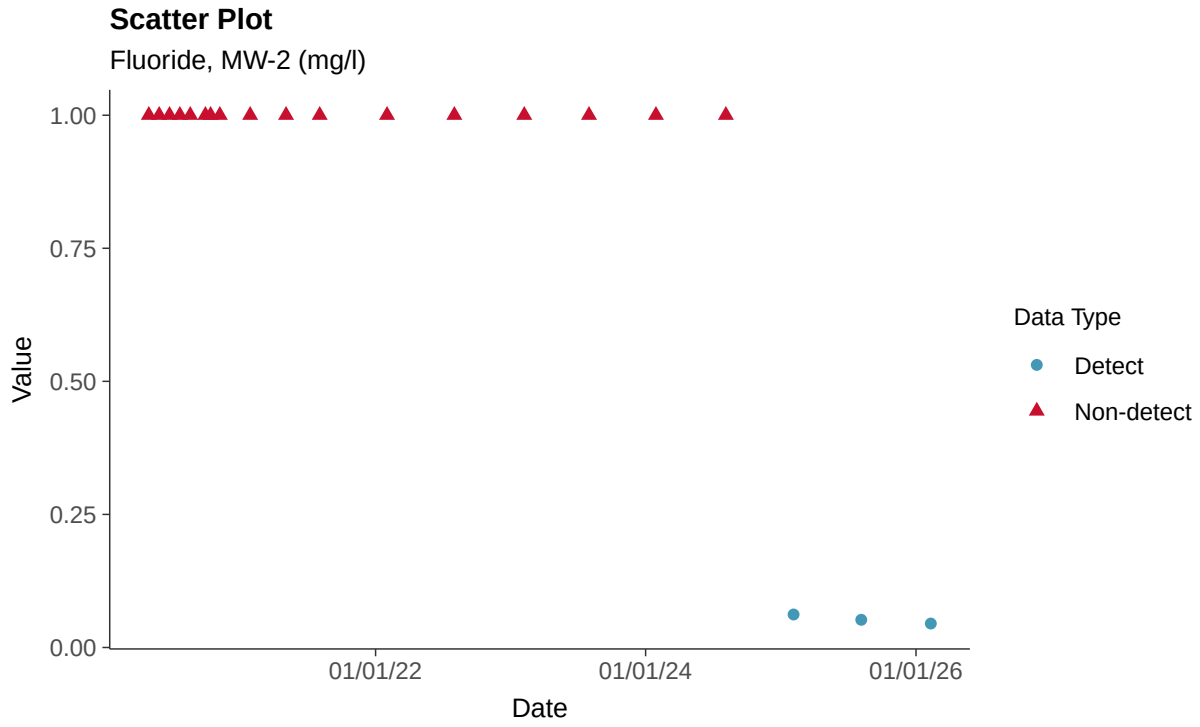
Trend Regression: Piecewise Linear-Linear-Linear

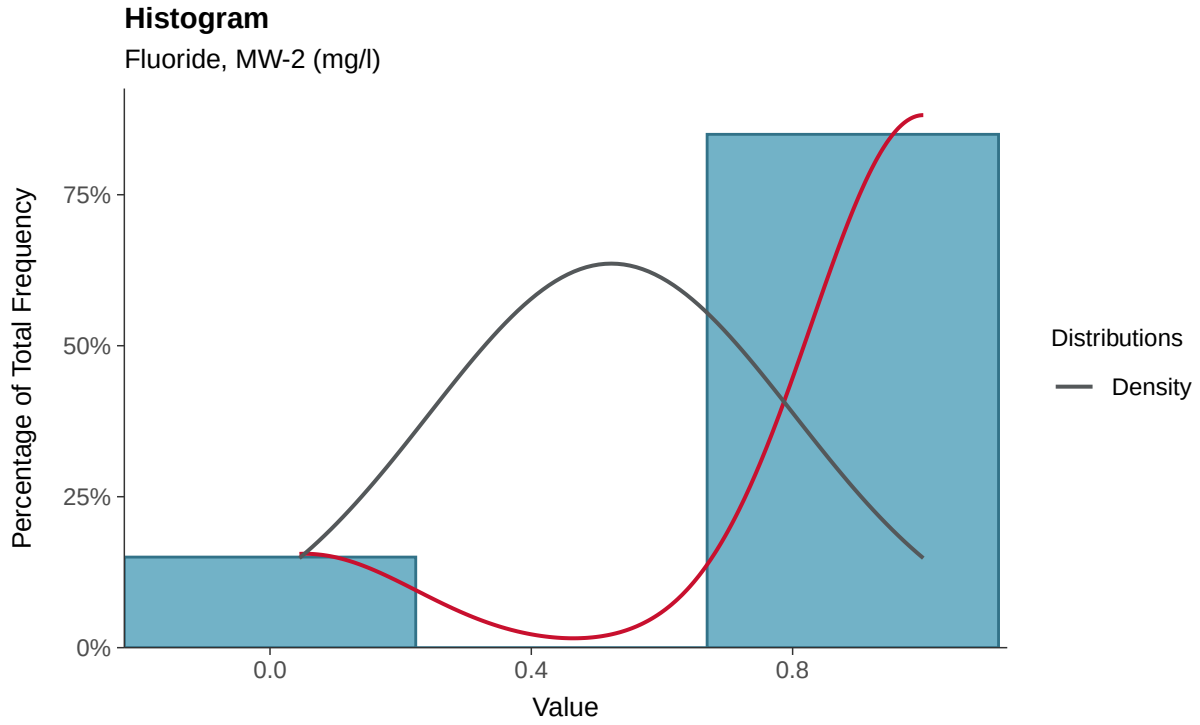
Chloride, MW-2 (mg/l)



Appendix III: Fluoride, MW-2

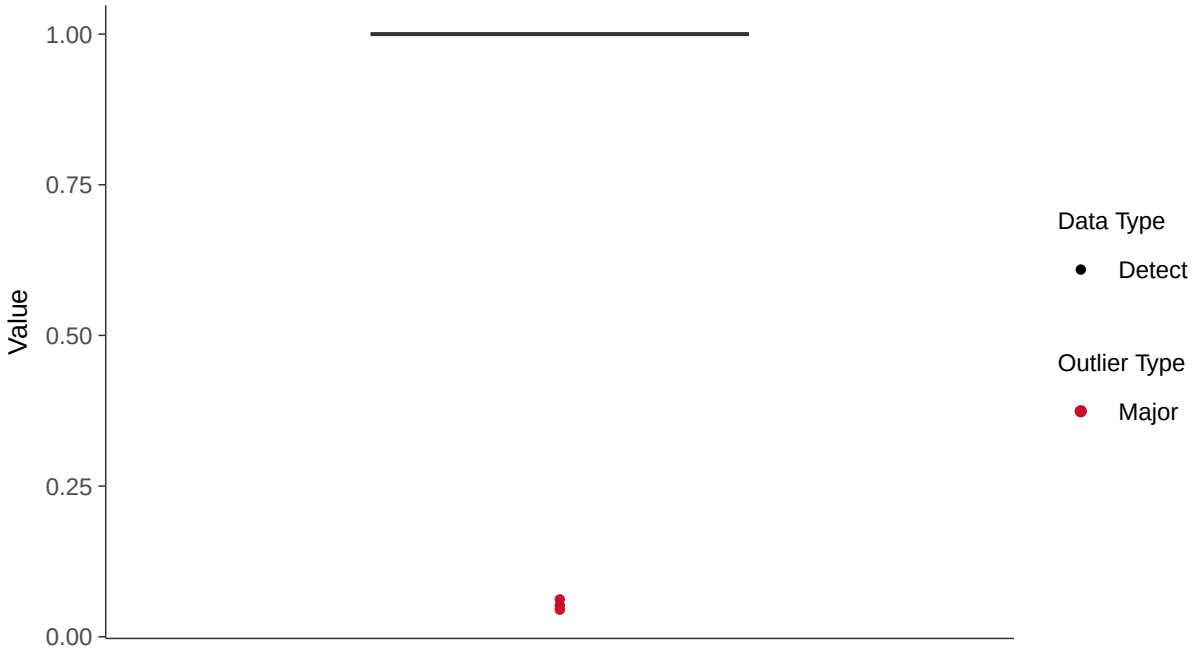
ID: 11_2_112





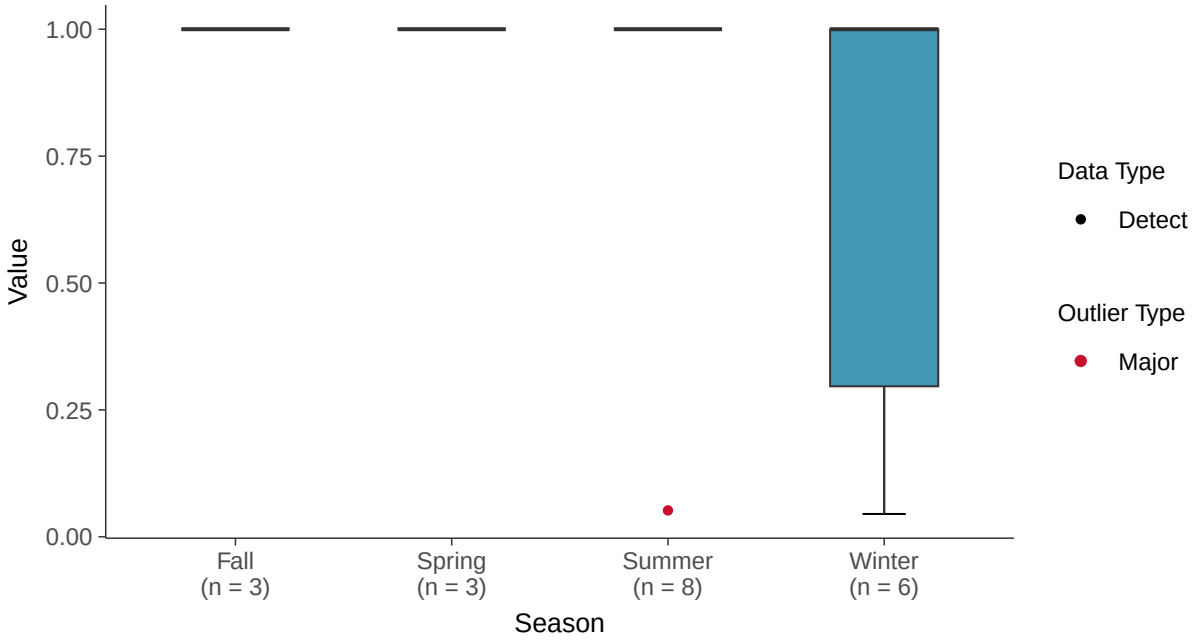
Boxplot

Fluoride, MW-2 (mg/l)



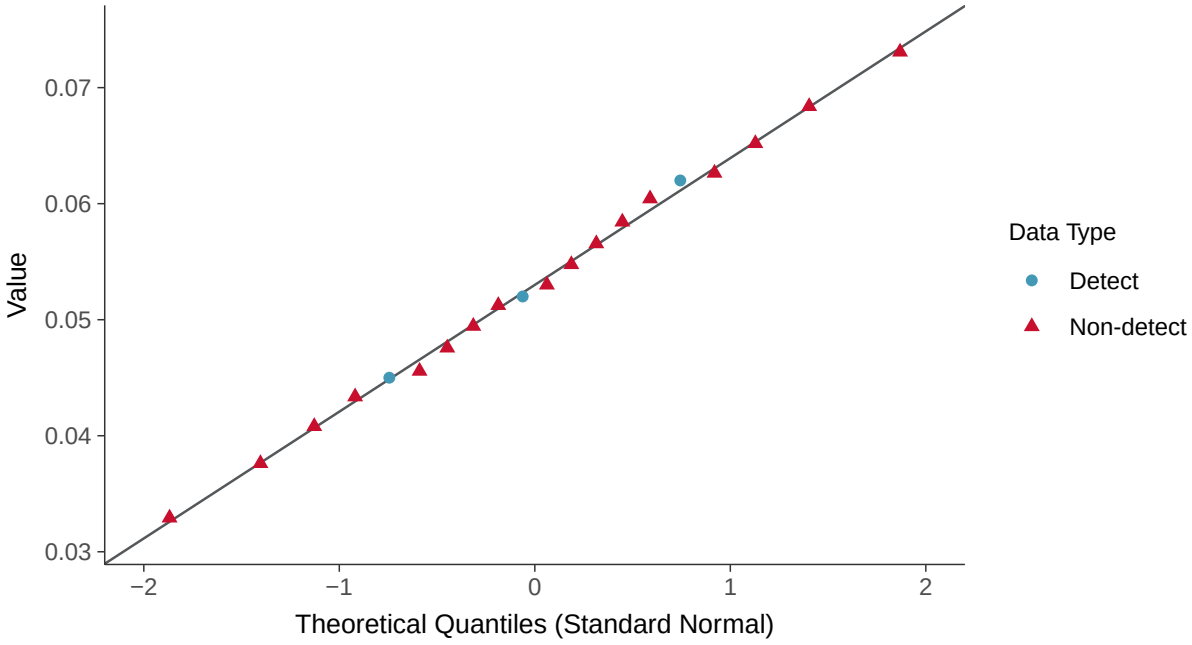
Boxplot by Season

Fluoride, MW-2 (mg/l)



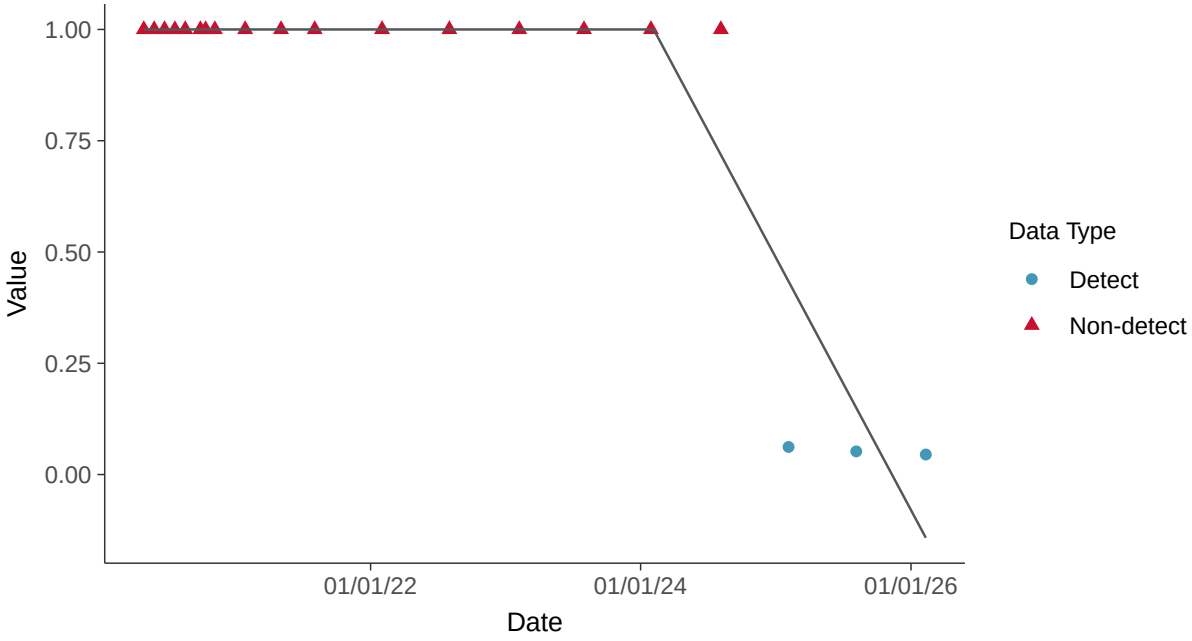
Normal Q-Q plot using ROS Imputed Estimates

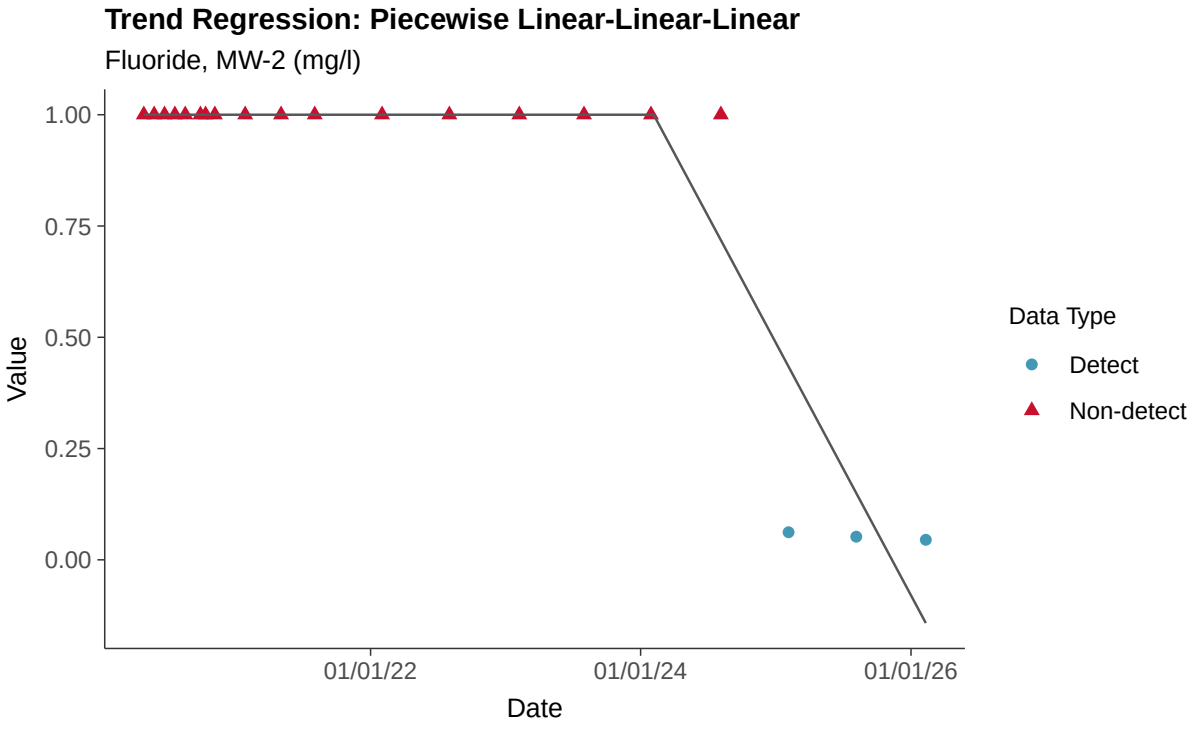
Fluoride, MW-2 (mg/l)



Trend Regression: Piecewise Linear-Linear

Fluoride, MW-2 (mg/l)



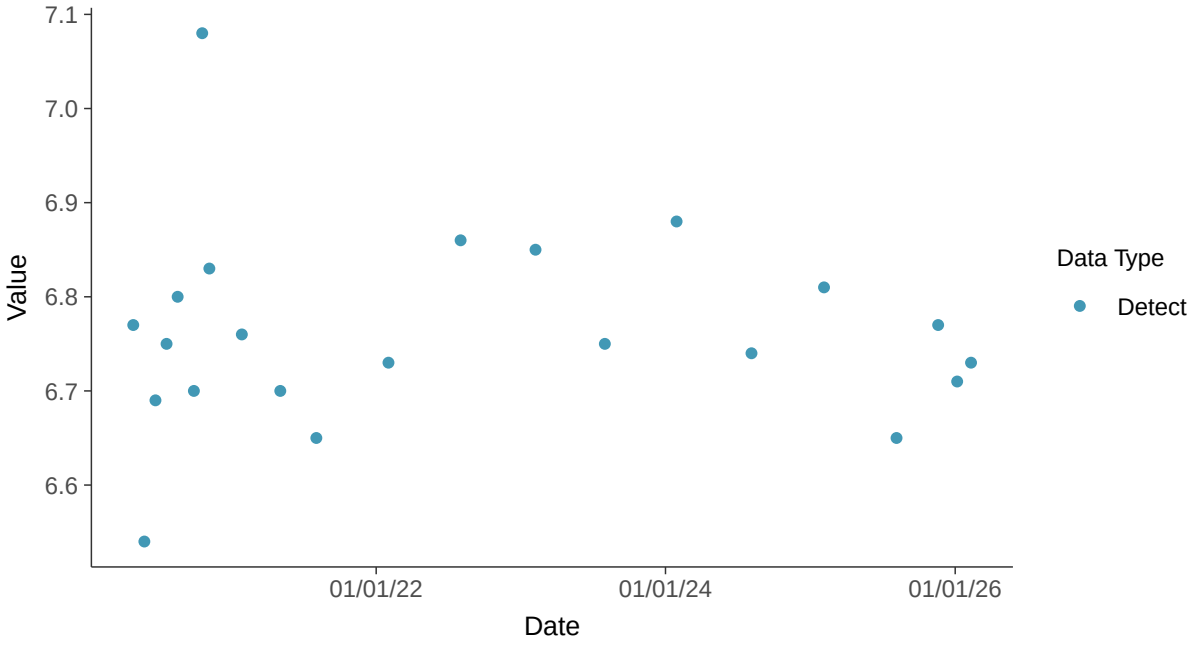

Trend Regression: Piecewise Linear-Linear-Linear
Fluoride, MW-2 (mg/l)
Value
1.00
0.75
0.50
0.25
0.00
01/01/22
01/01/24
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: pH, Field, MW-2

ID: 11_2_120

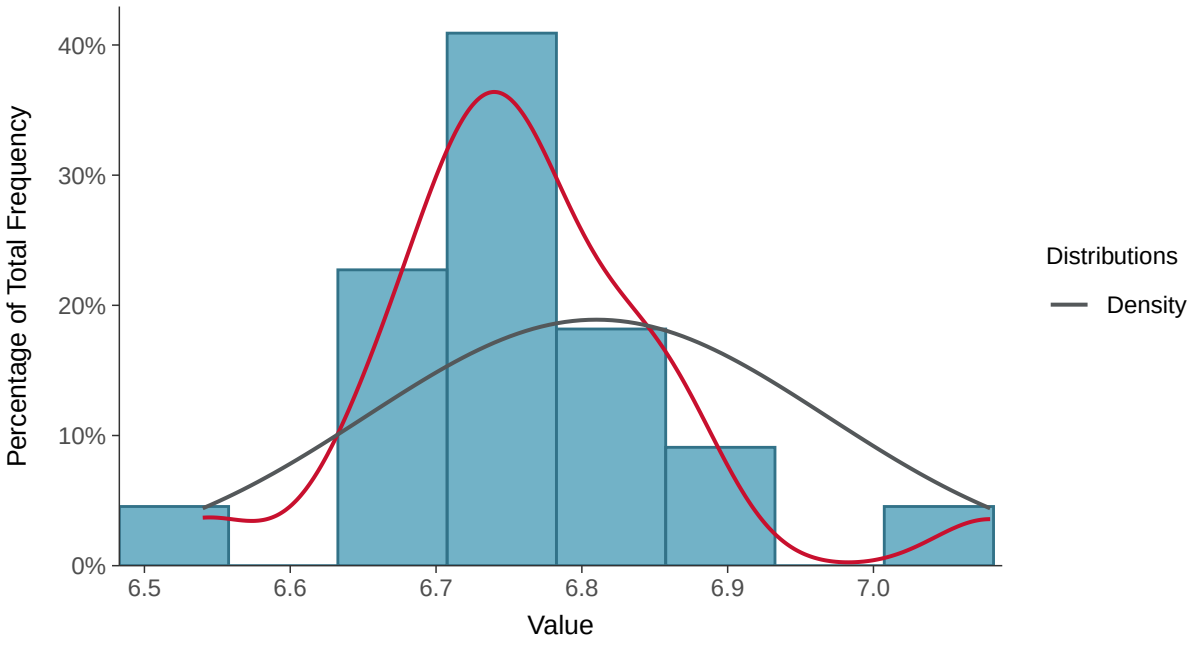
Scatter Plot

pH, Field, MW-2 (su)



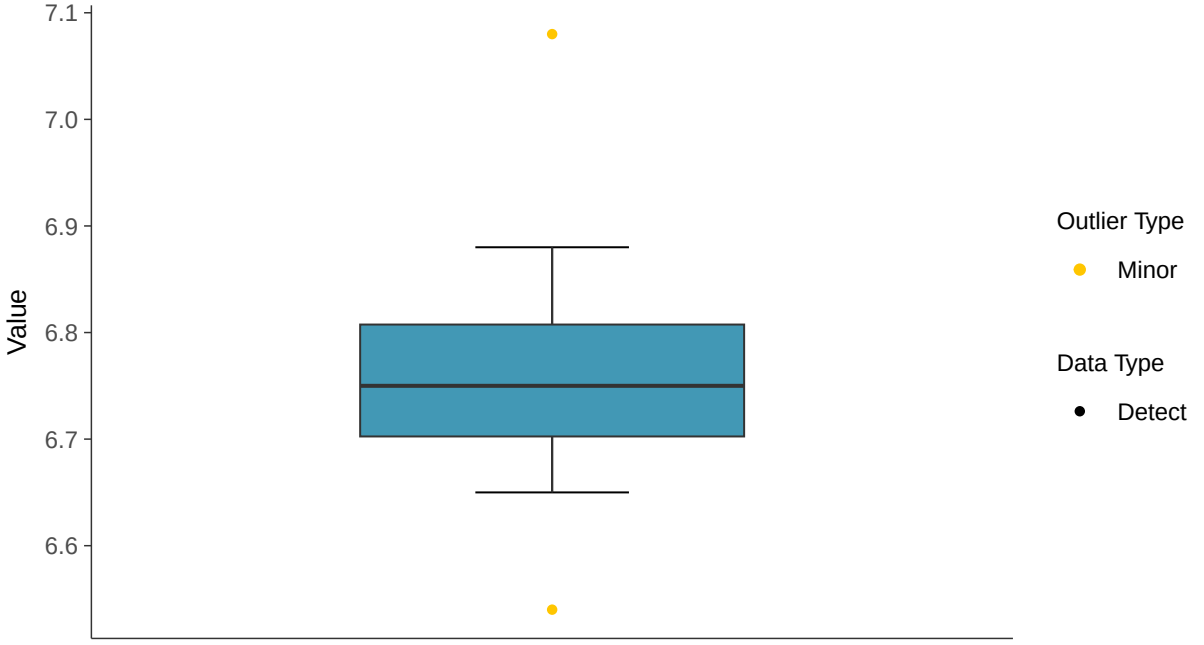
Histogram

pH, Field, MW-2 (su)



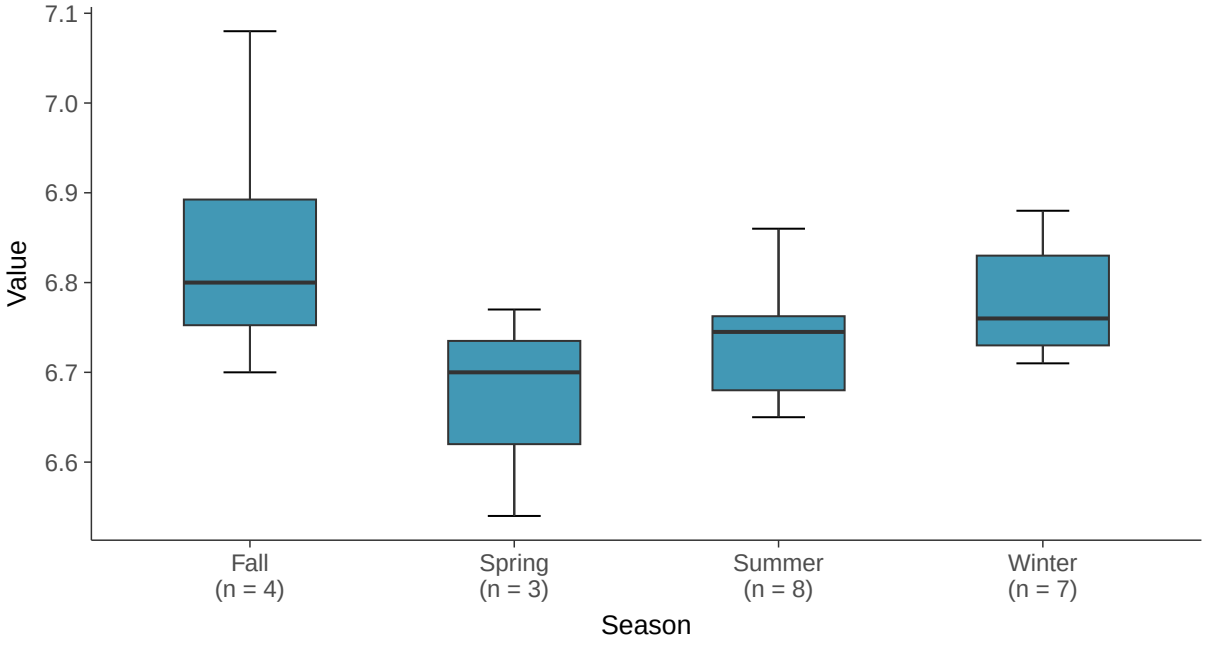
Boxplot

pH, Field, MW-2 (su)



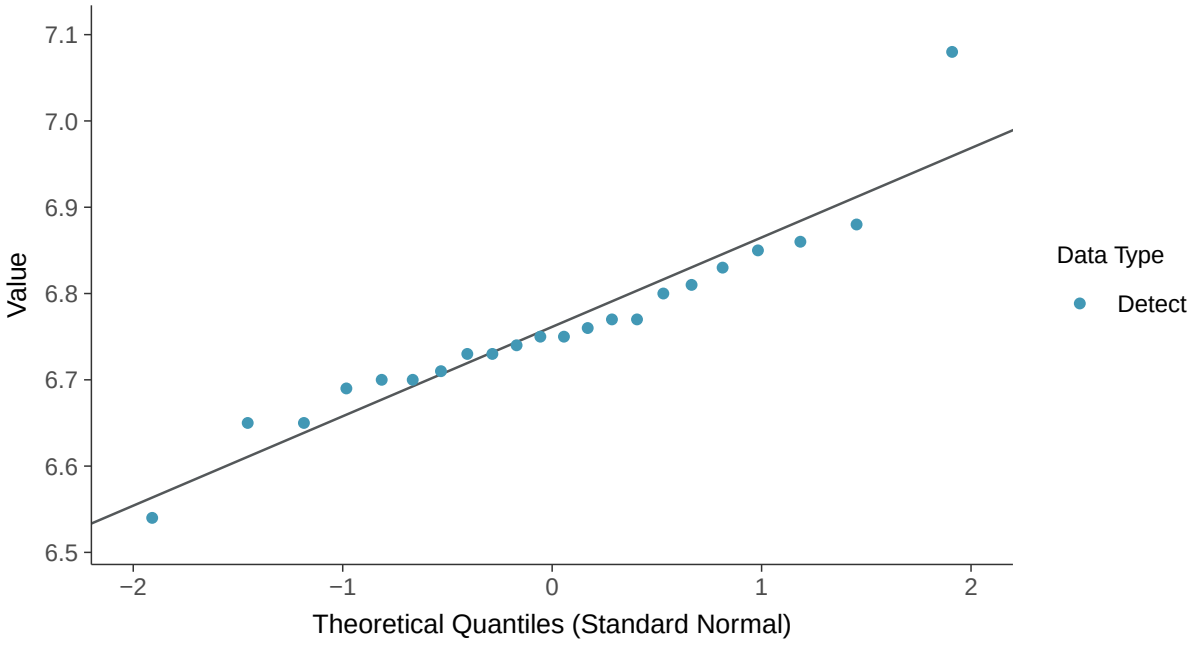
Boxplot by Season

pH, Field, MW-2 (su)



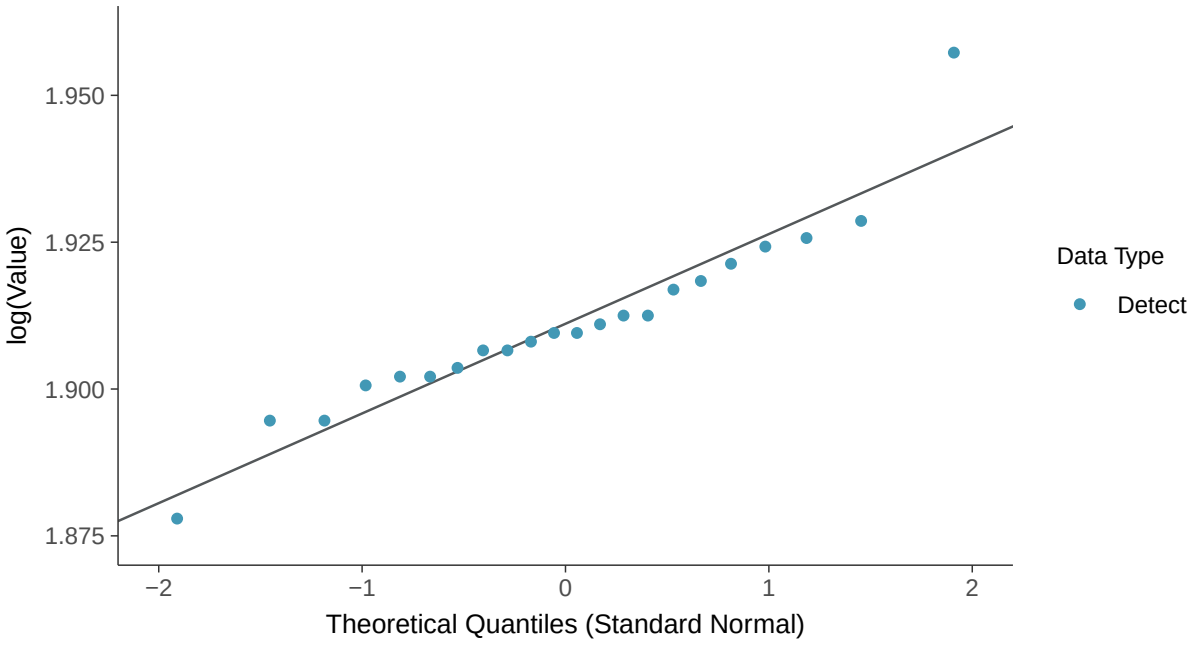
Normal Q-Q plot

pH, Field, MW-2 (su)



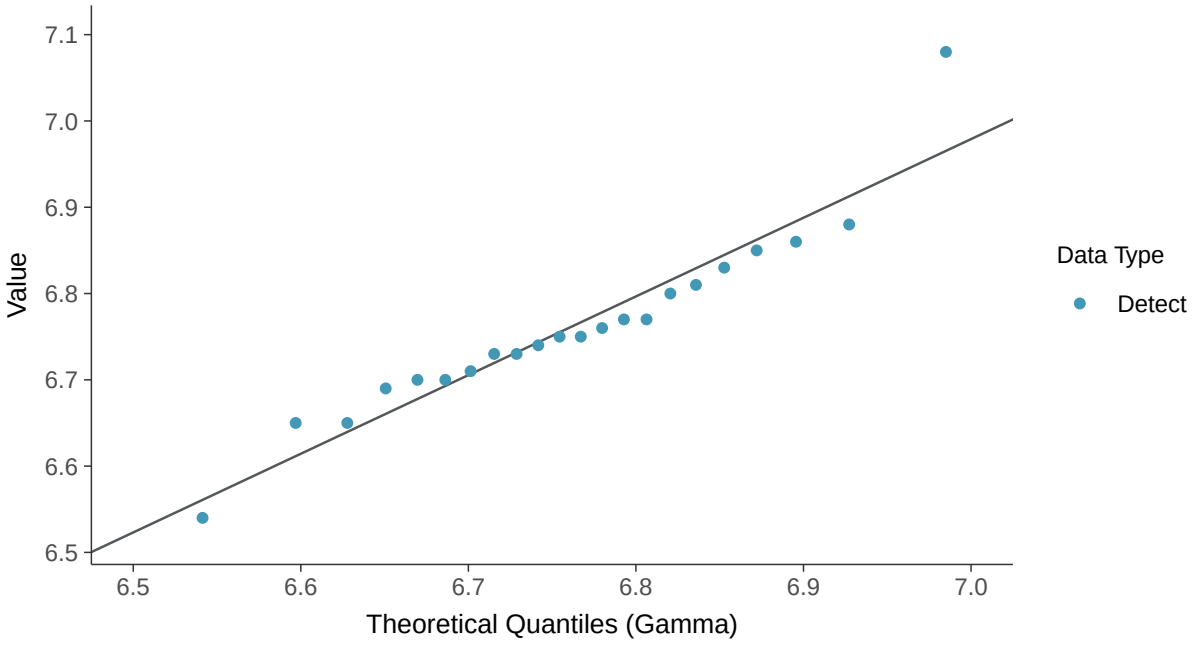
Lognormal Q-Q plot

pH, Field, MW-2 (su)



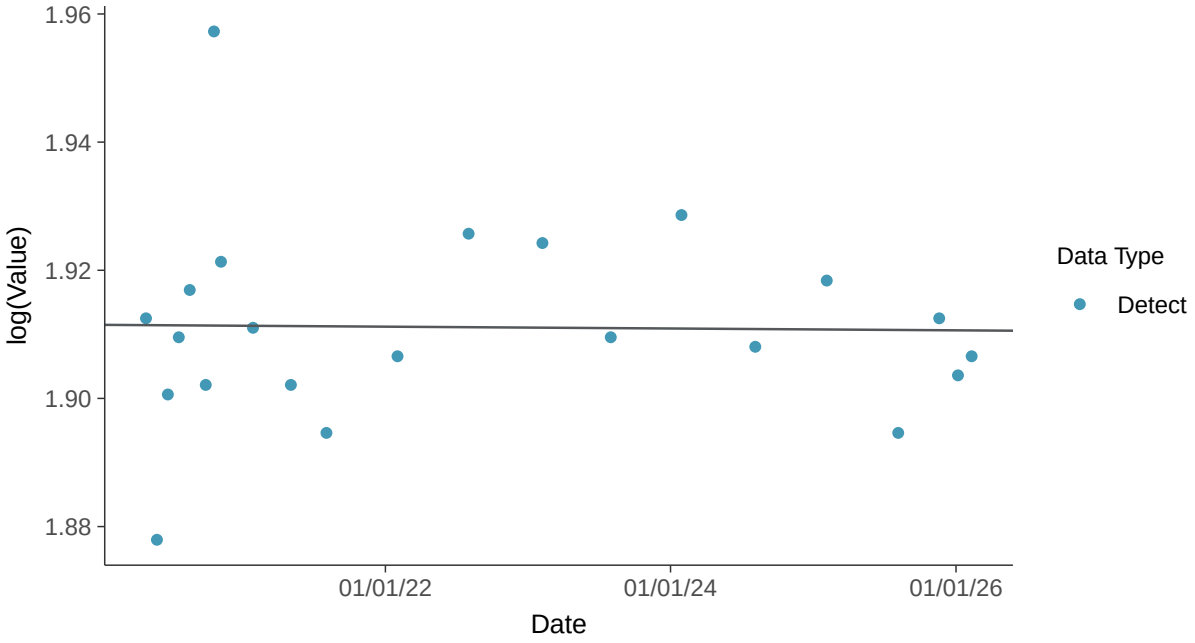
Gamma Q-Q plot

pH, Field, MW-2 (su)



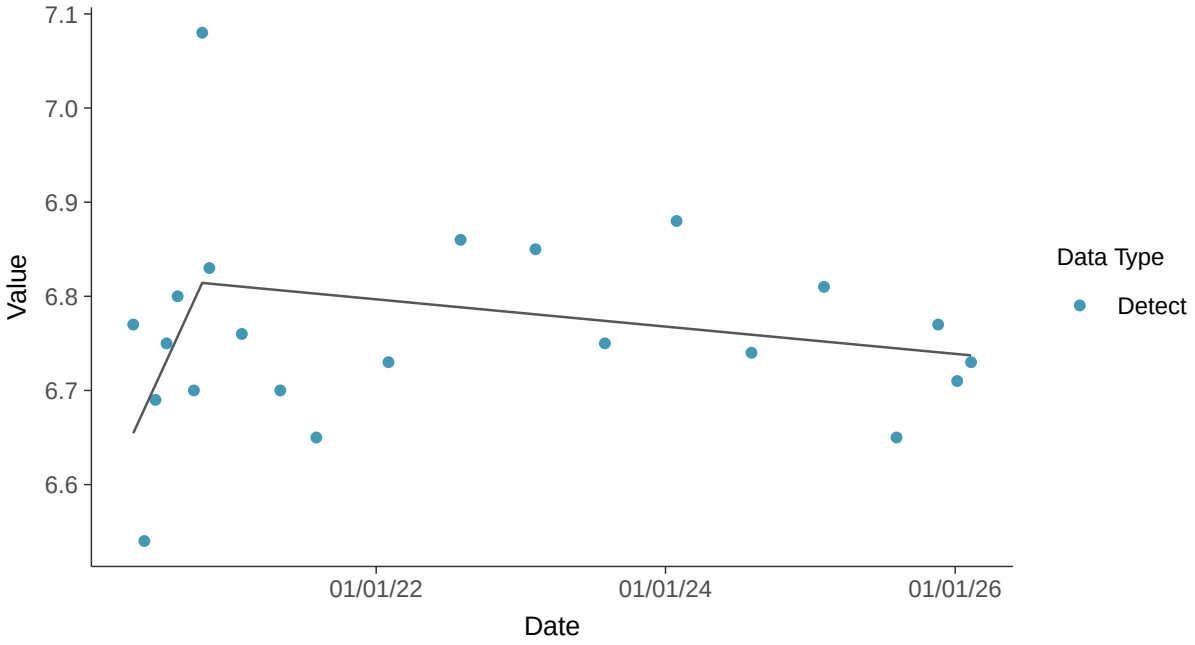
Trend Regression: Lognormal MLE

pH, Field, MW-2 (su)



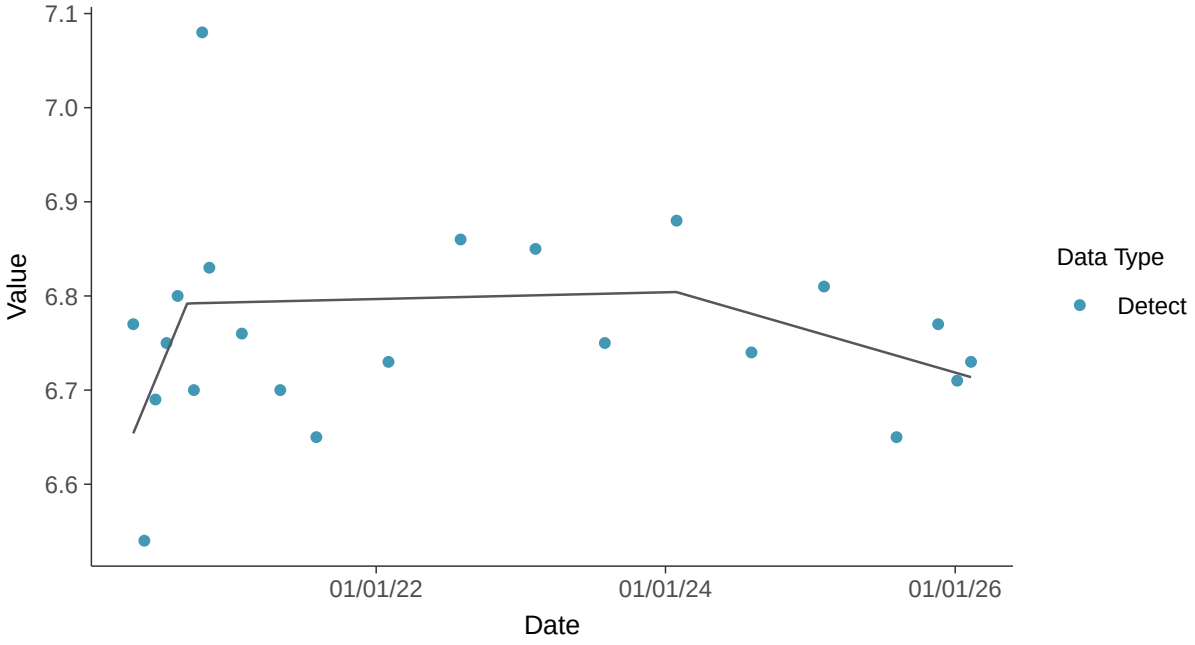
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-2 (su)



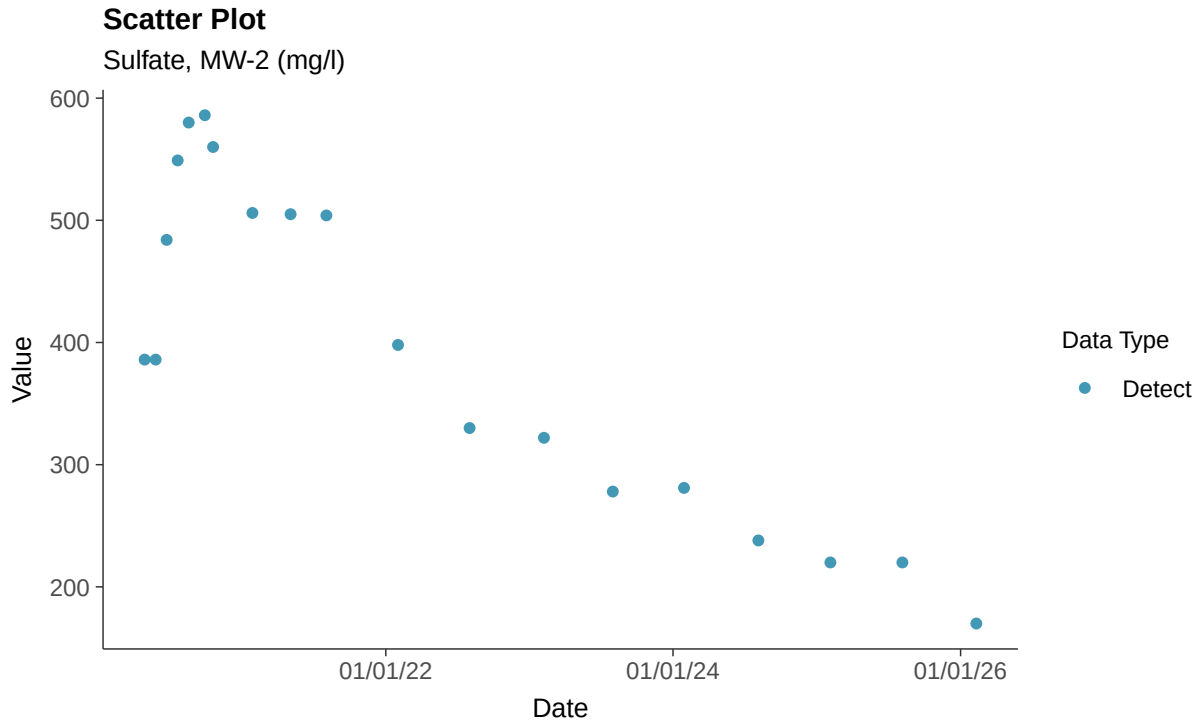
Trend Regression: Piecewise Linear-Linear-Linear

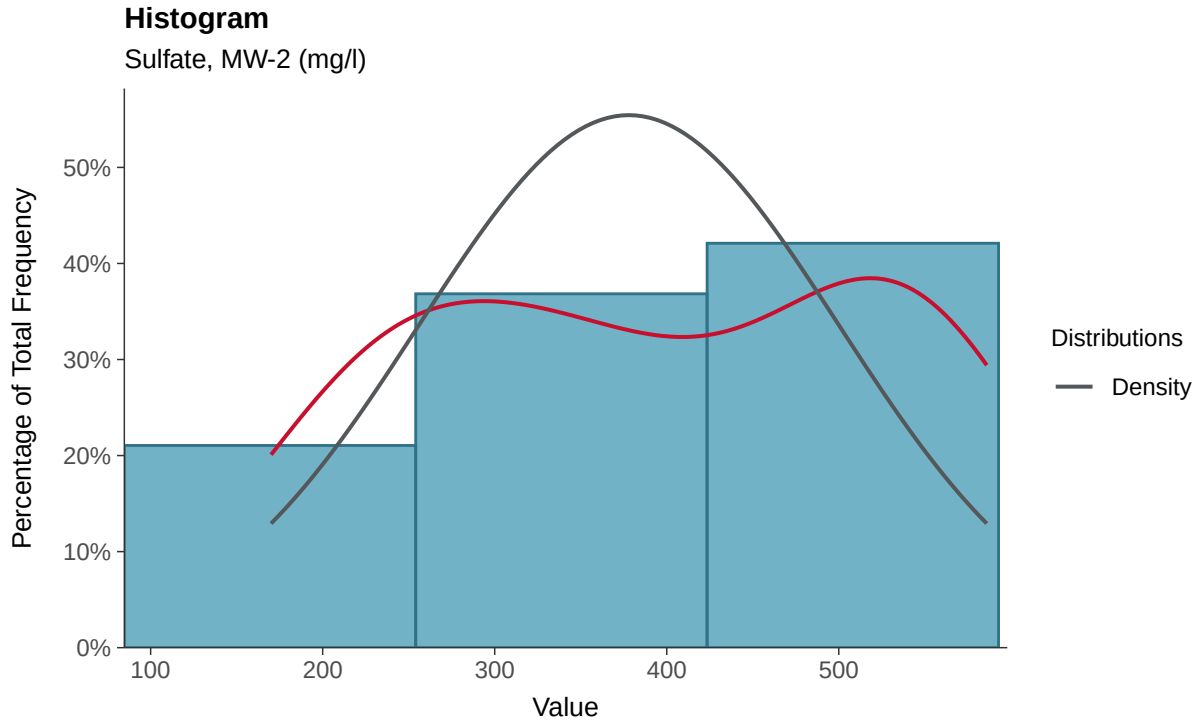
pH, Field, MW-2 (su)



Appendix III: Sulfate, MW-2

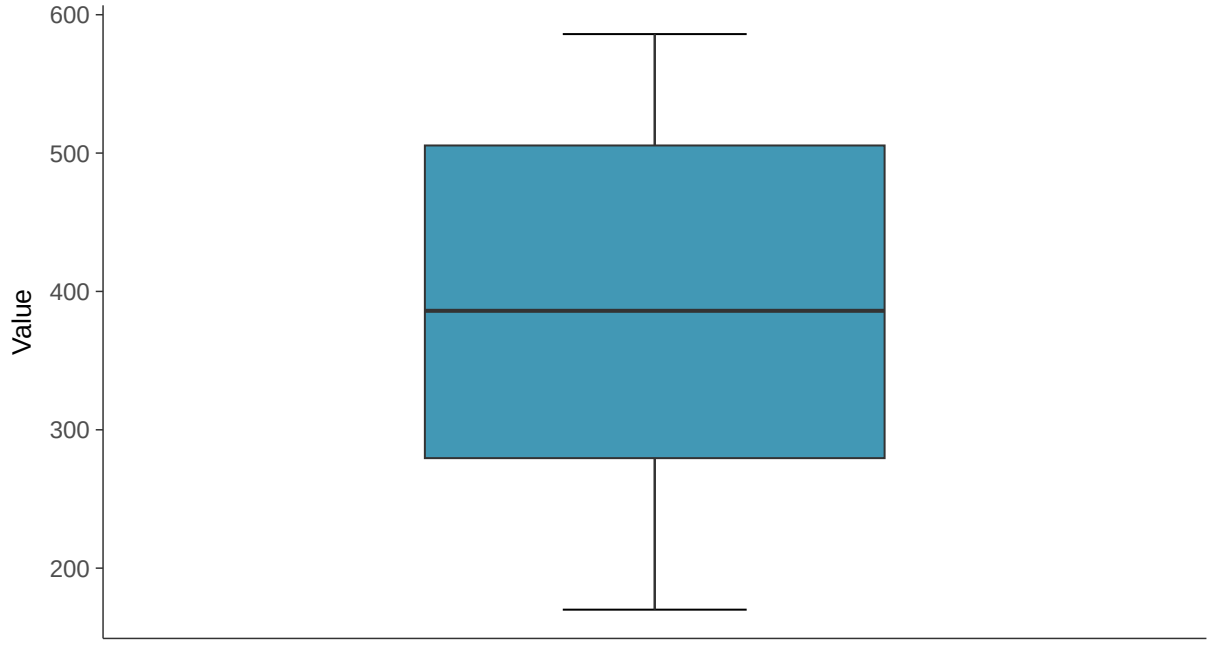
ID: 11_2_124





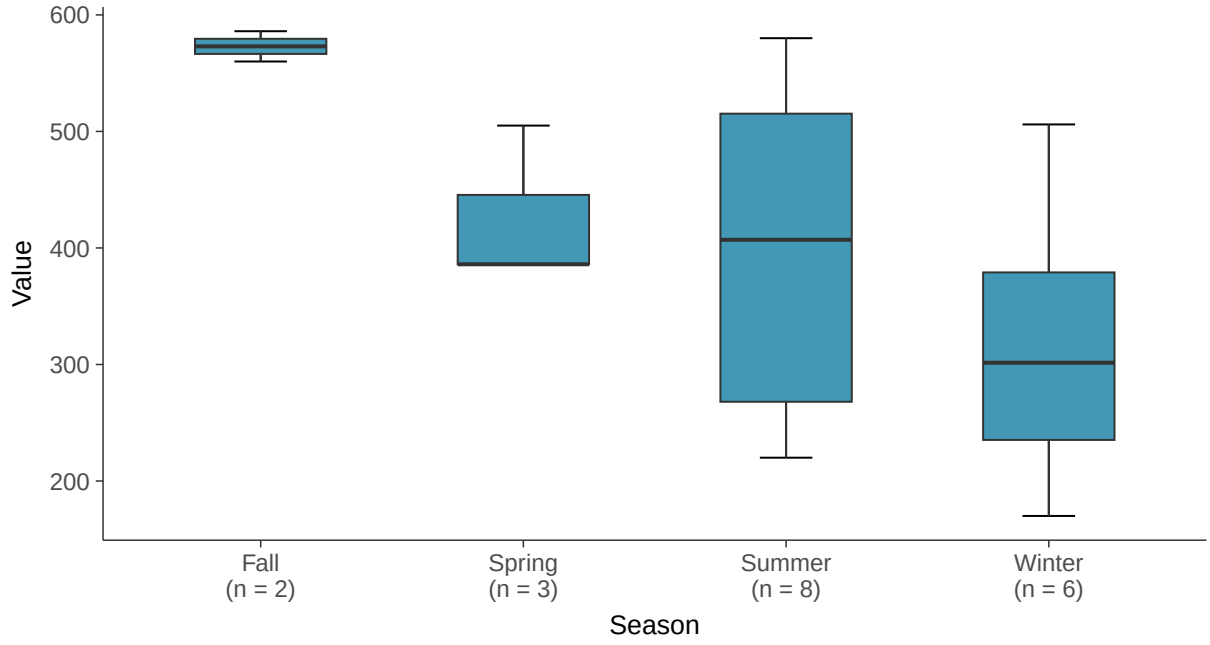
Boxplot

Sulfate, MW-2 (mg/l)



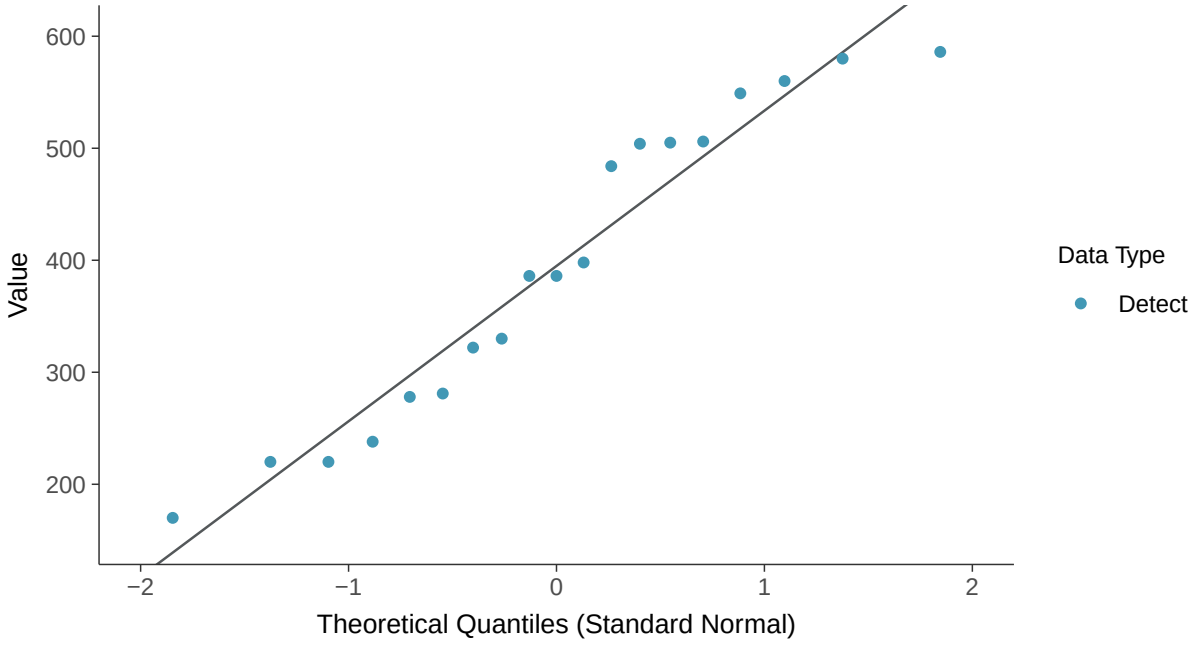
Boxplot by Season

Sulfate, MW-2 (mg/l)



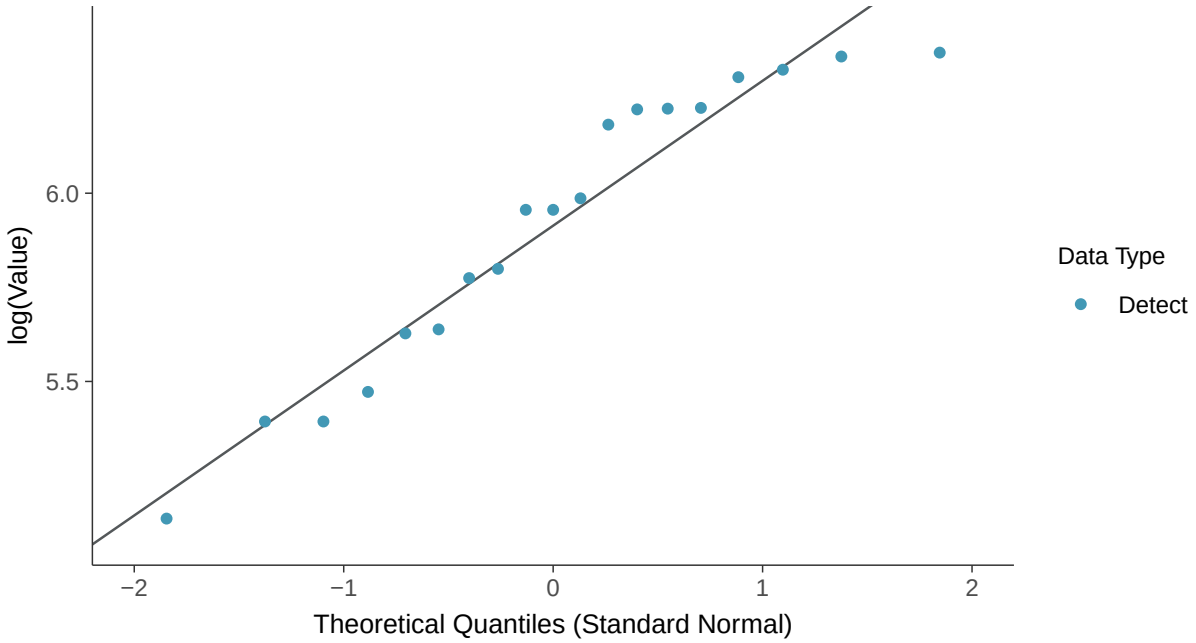
Normal Q-Q plot

Sulfate, MW-2 (mg/l)



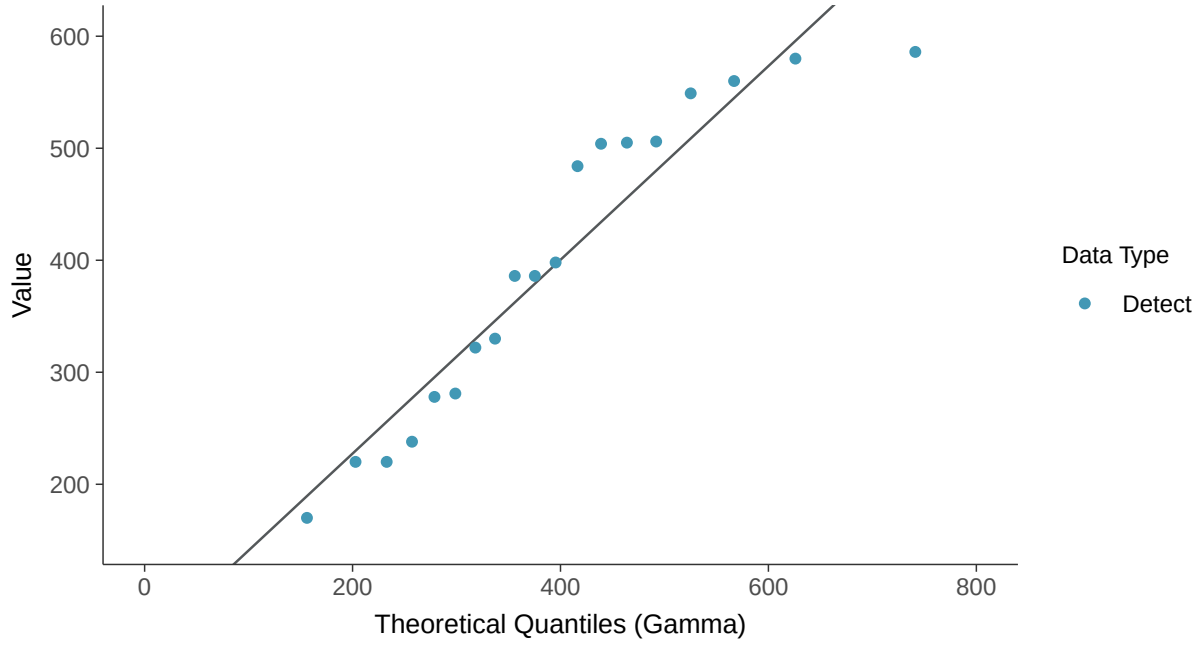
Lognormal Q-Q plot

Sulfate, MW-2 (mg/l)



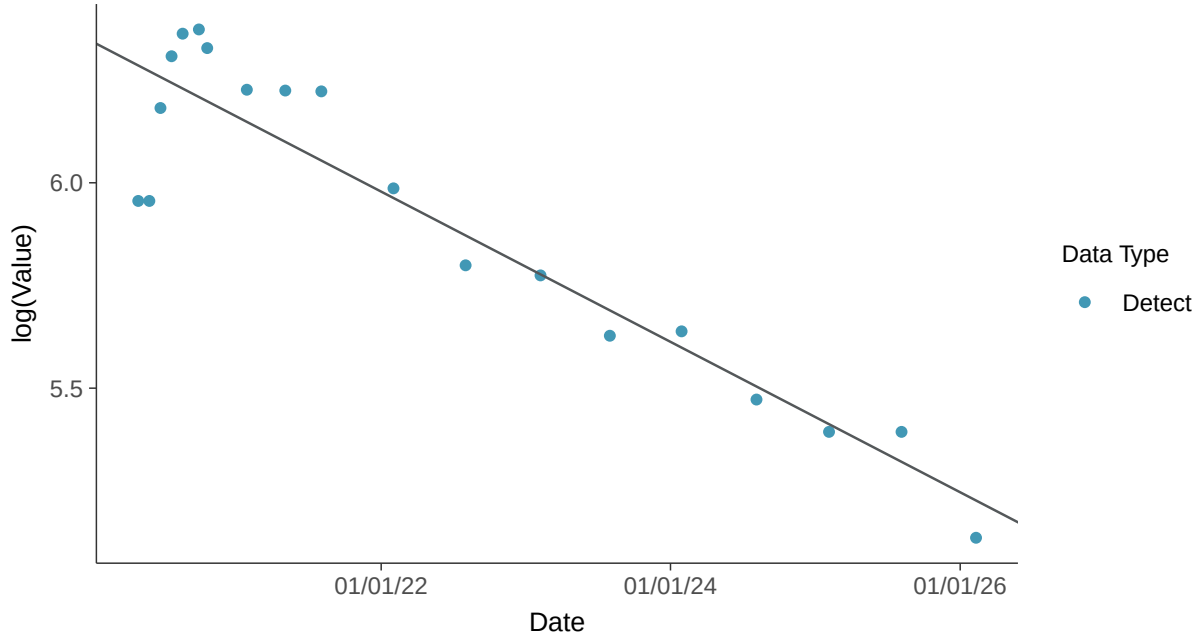
Gamma Q-Q plot

Sulfate, MW-2 (mg/l)



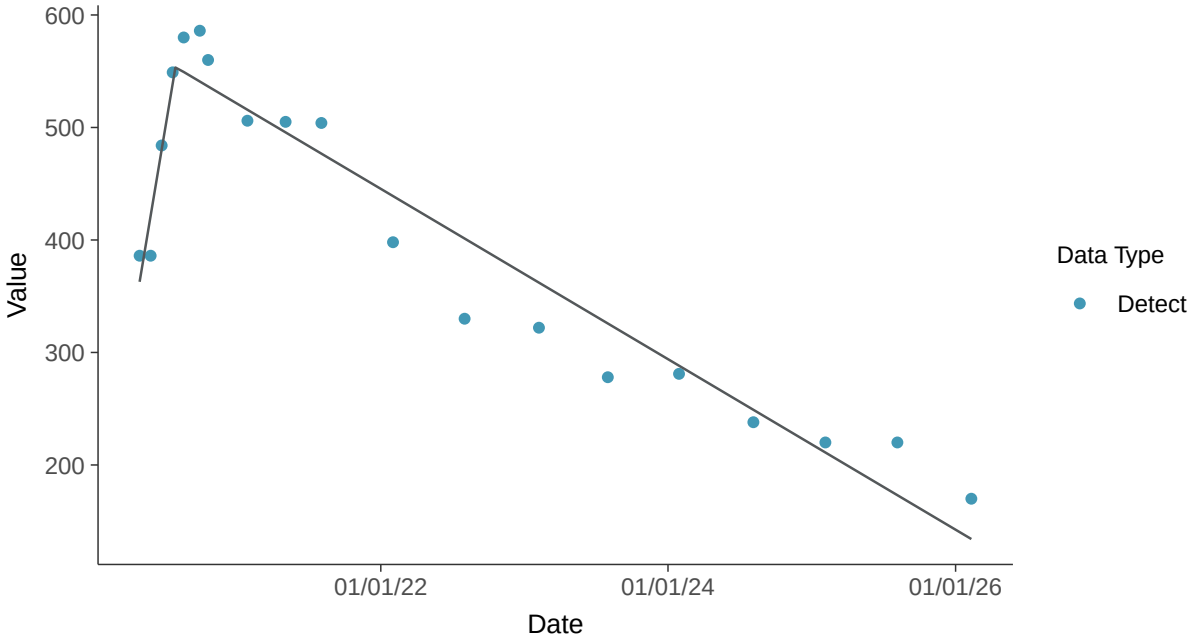
Trend Regression: Lognormal MLE

Sulfate, MW-2 (mg/l)



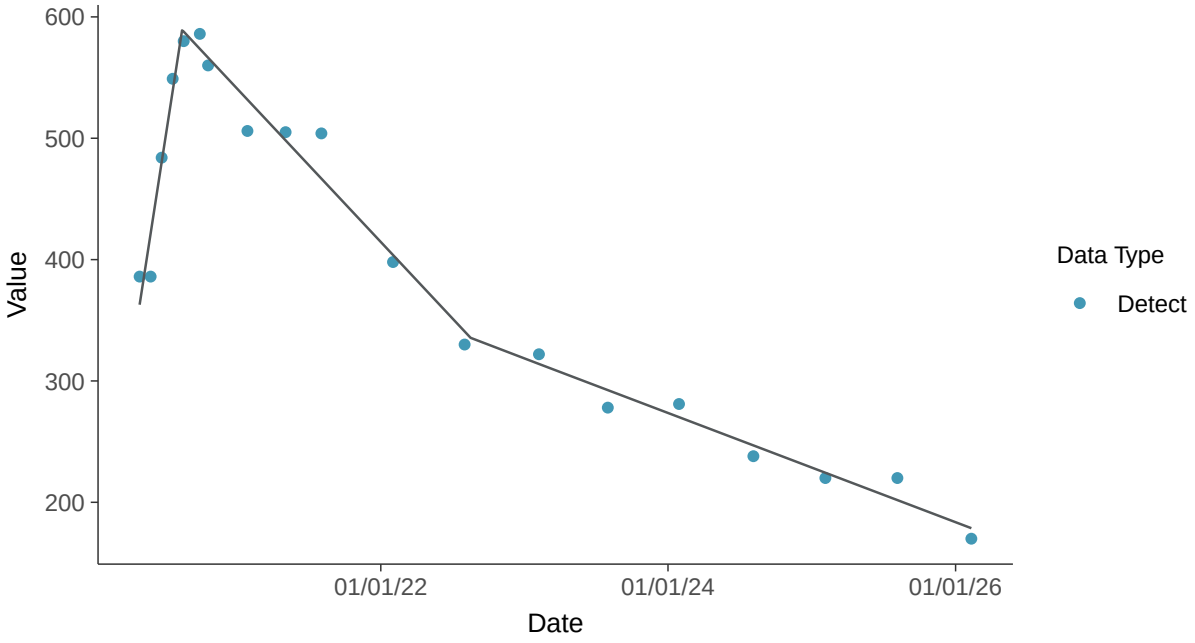
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-2 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Sulfate, MW-2 (mg/l)

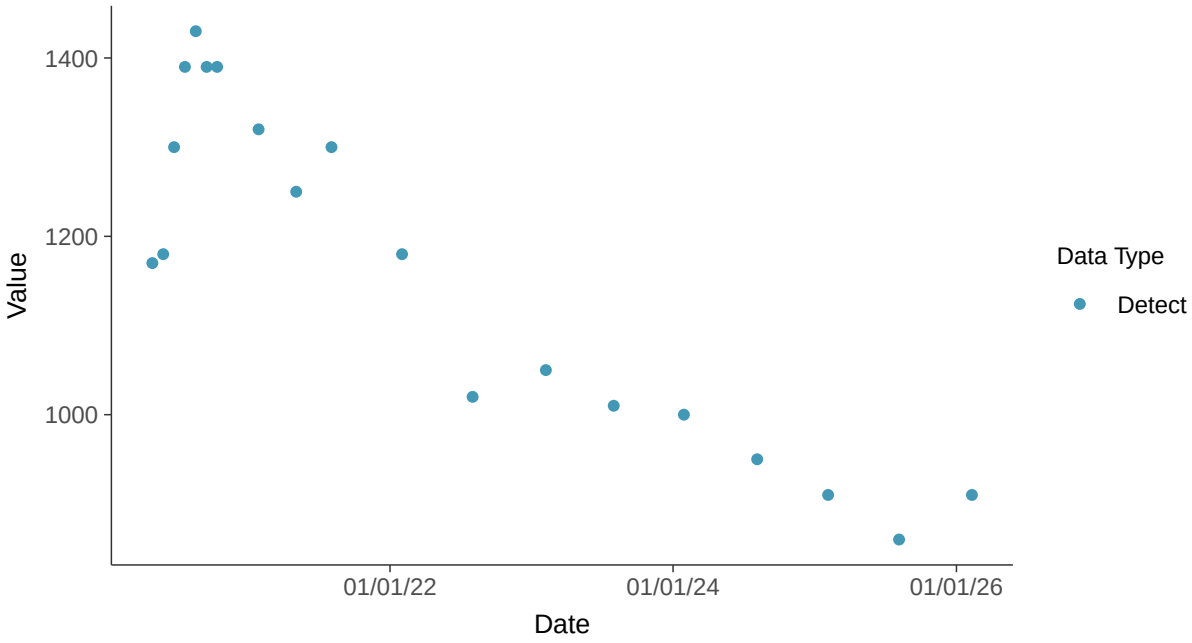


Appendix III: Total Dissolved Solids, MW-2

ID: 11_2_126

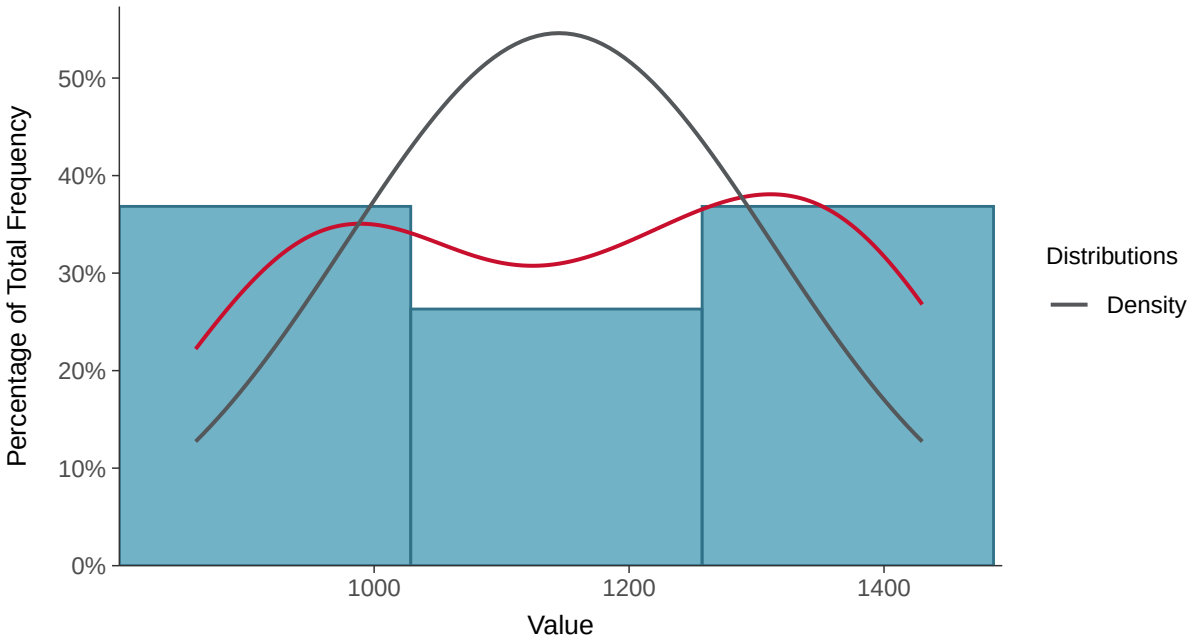
Scatter Plot

Total Dissolved Solids, MW-2 (mg/l)



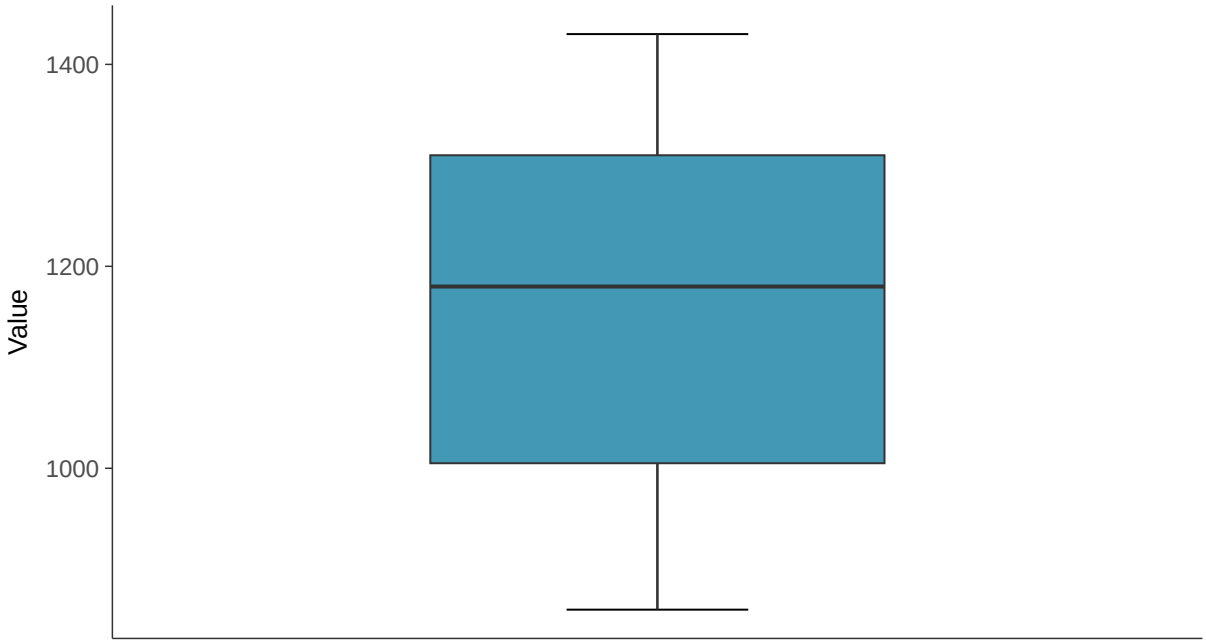
Histogram

Total Dissolved Solids, MW-2 (mg/l)



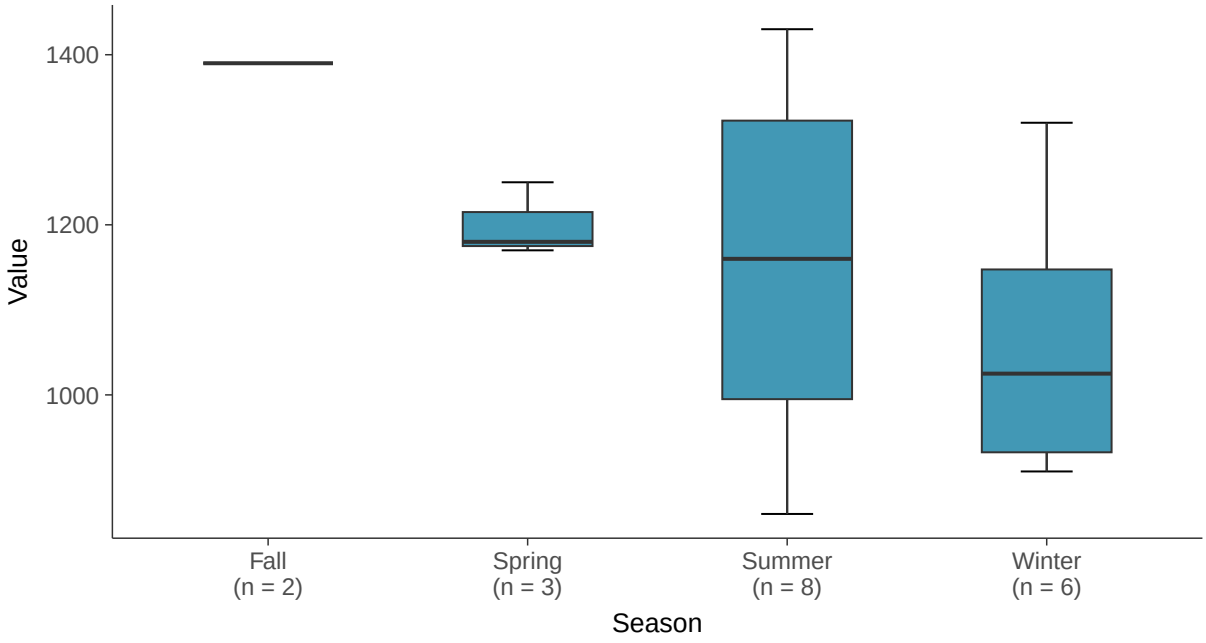
Boxplot

Total Dissolved Solids, MW-2 (mg/l)



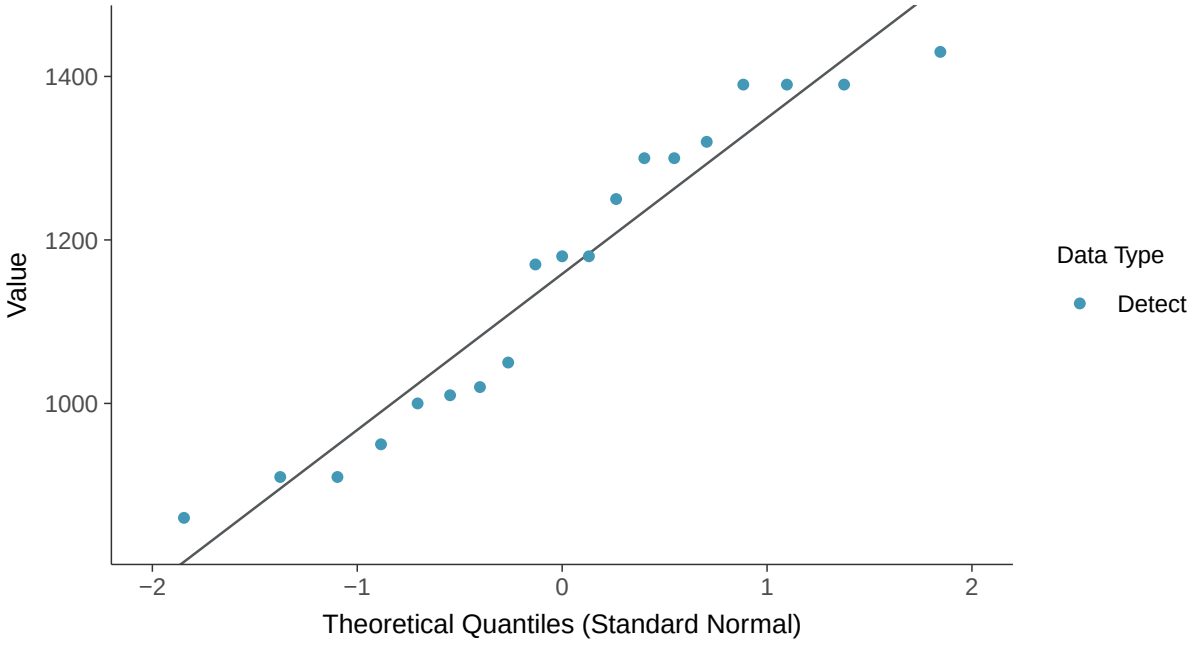
Boxplot by Season

Total Dissolved Solids, MW-2 (mg/l)



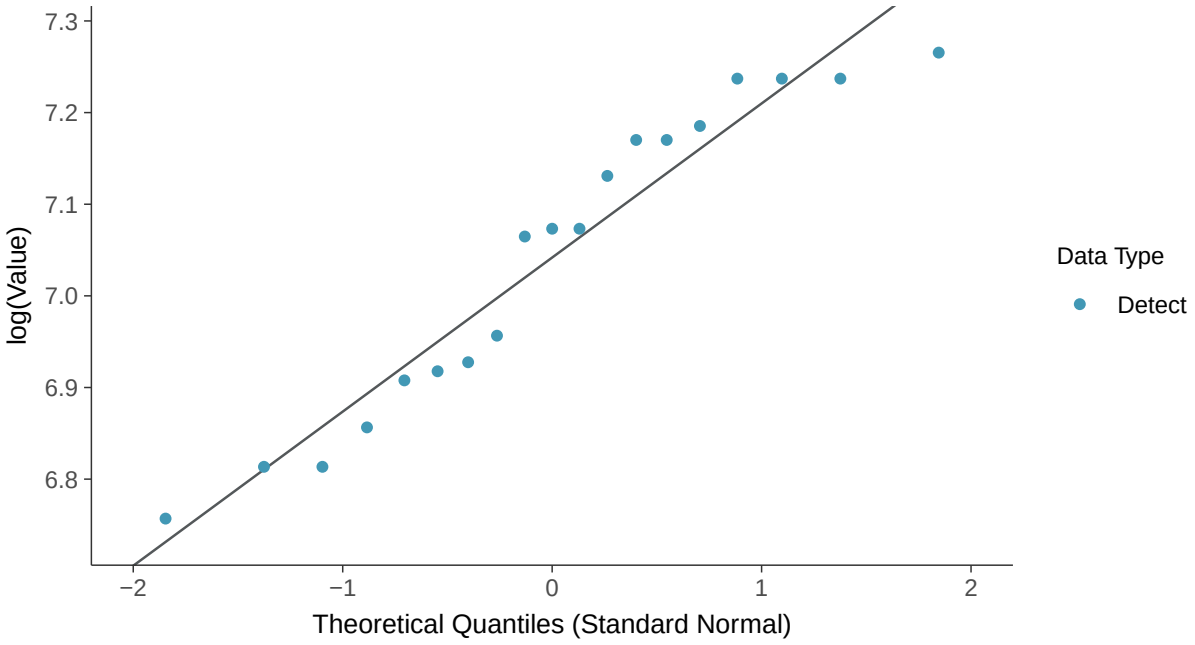
Normal Q-Q plot

Total Dissolved Solids, MW-2 (mg/l)



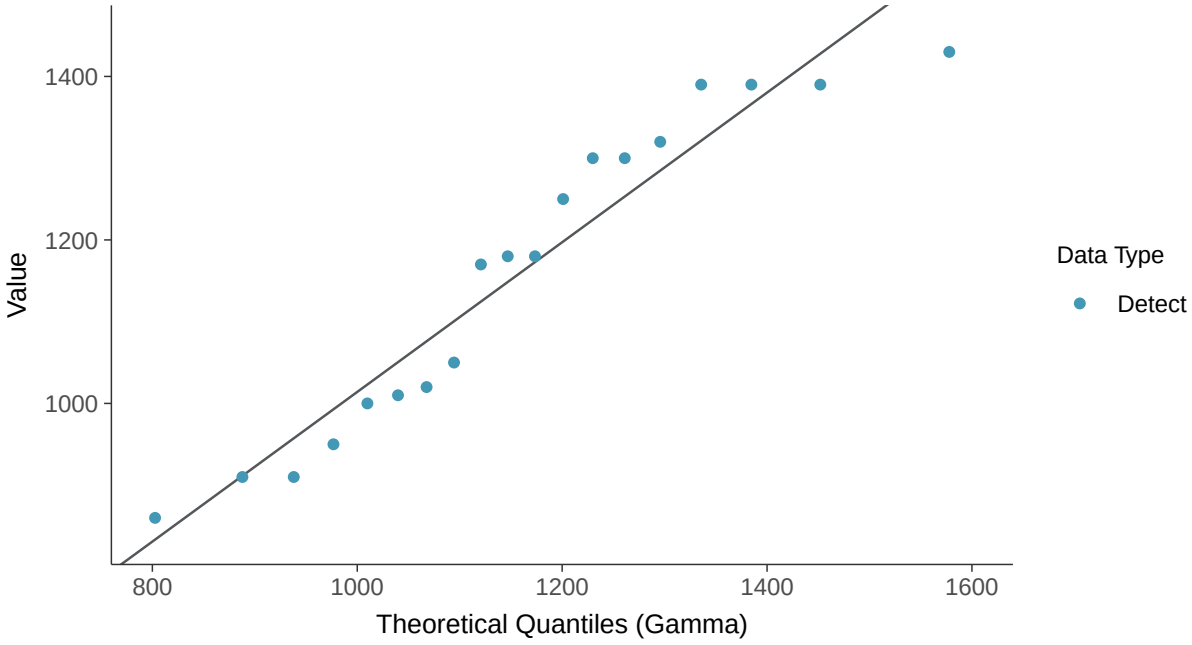
Lognormal Q-Q plot

Total Dissolved Solids, MW-2 (mg/l)



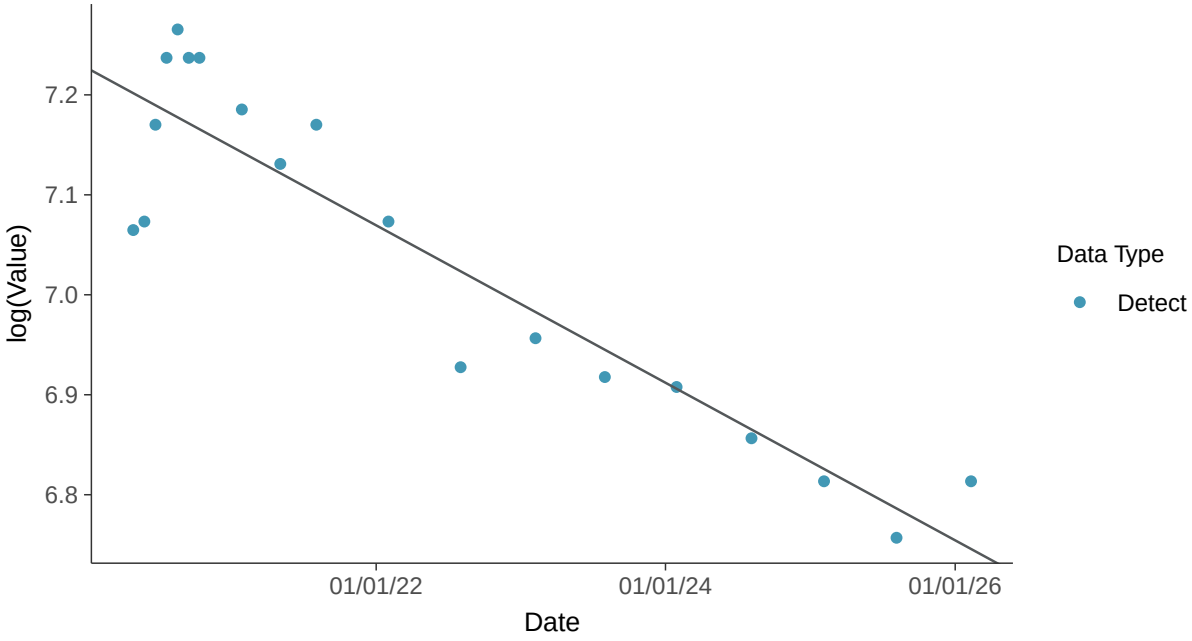
Gamma Q-Q plot

Total Dissolved Solids, MW-2 (mg/l)



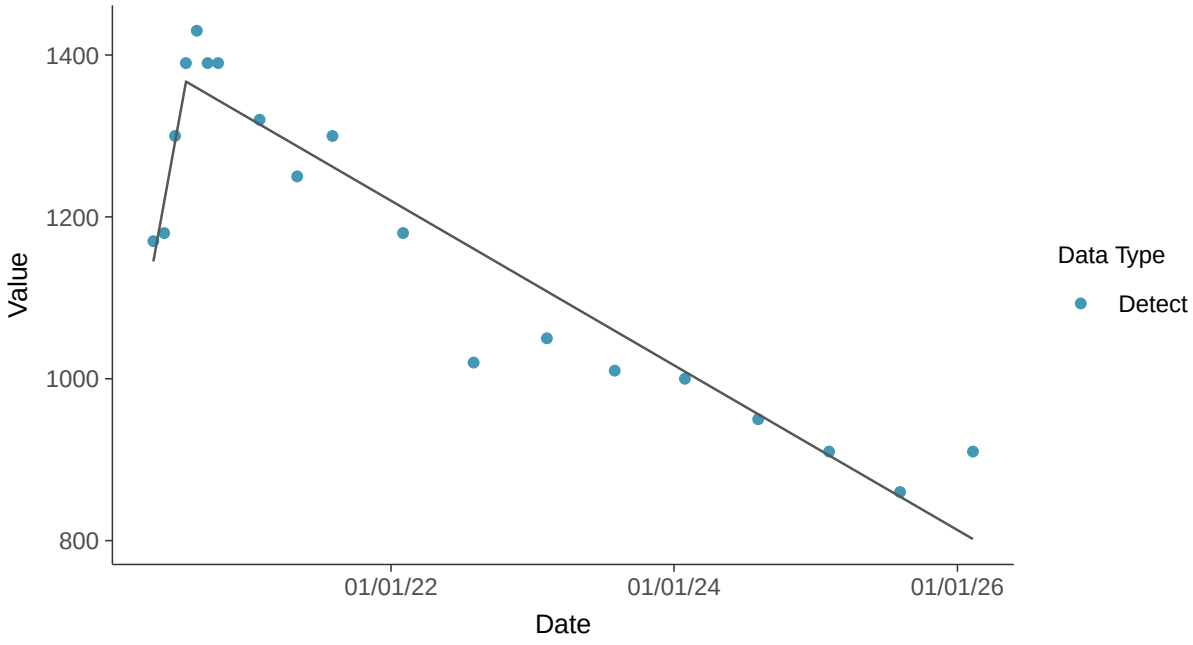
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-2 (mg/l)



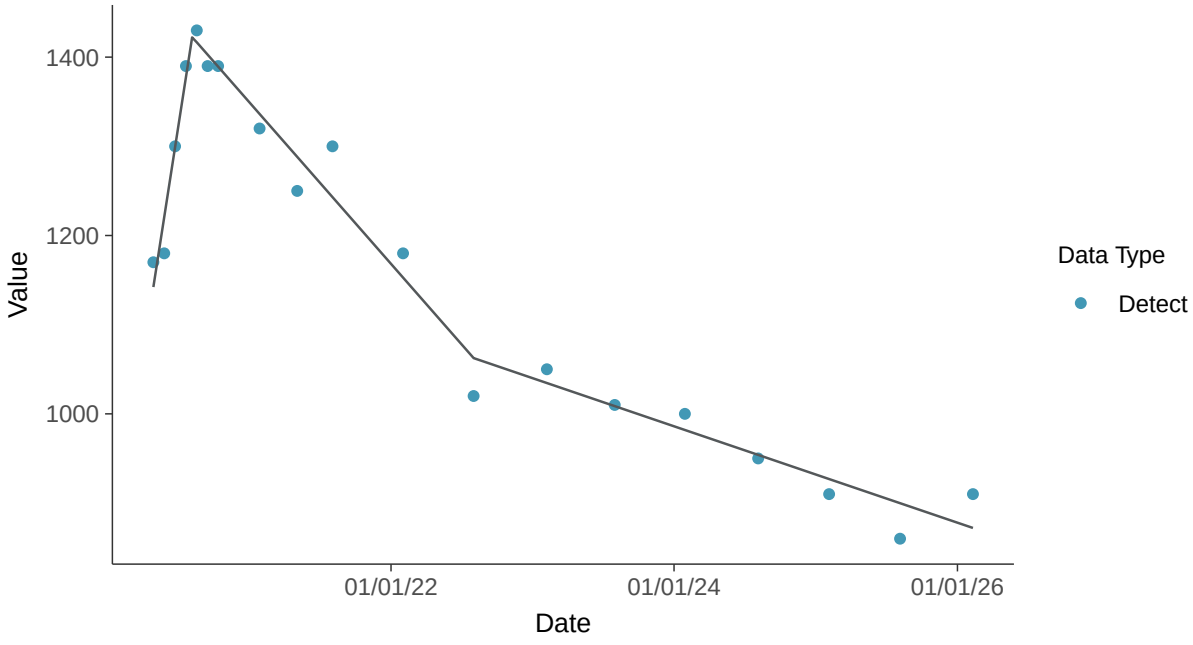
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-2 (mg/l)



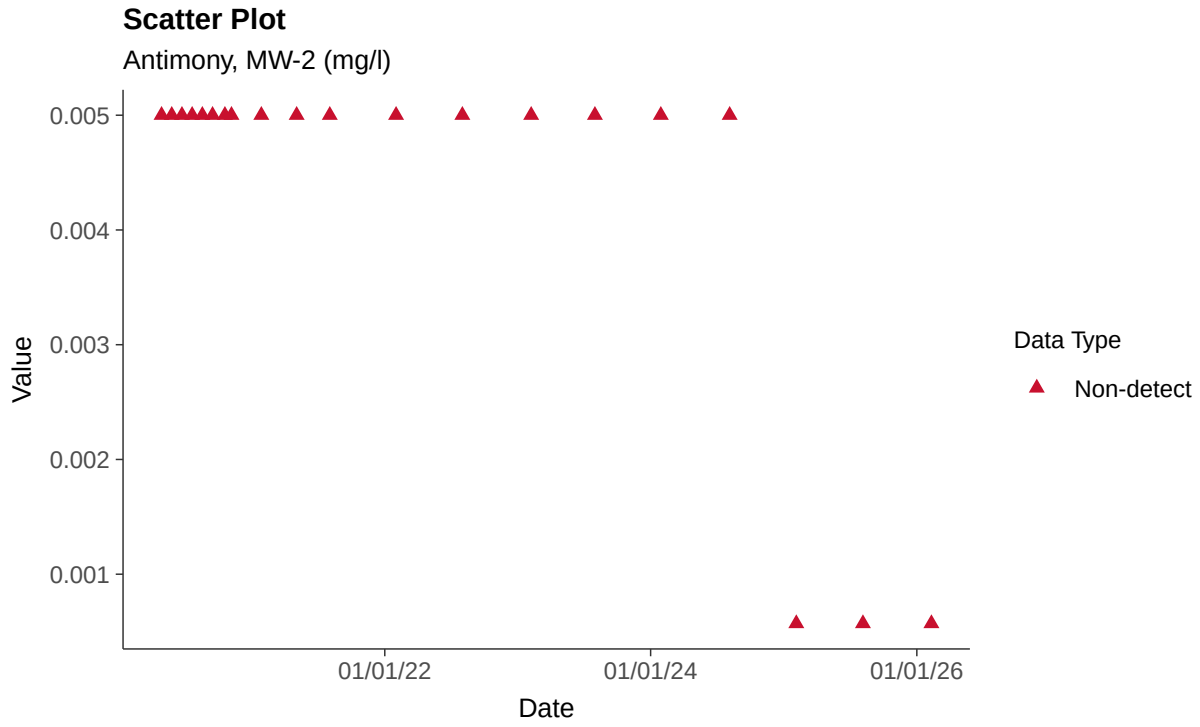
Trend Regression: Piecewise Linear-Linear-Linear

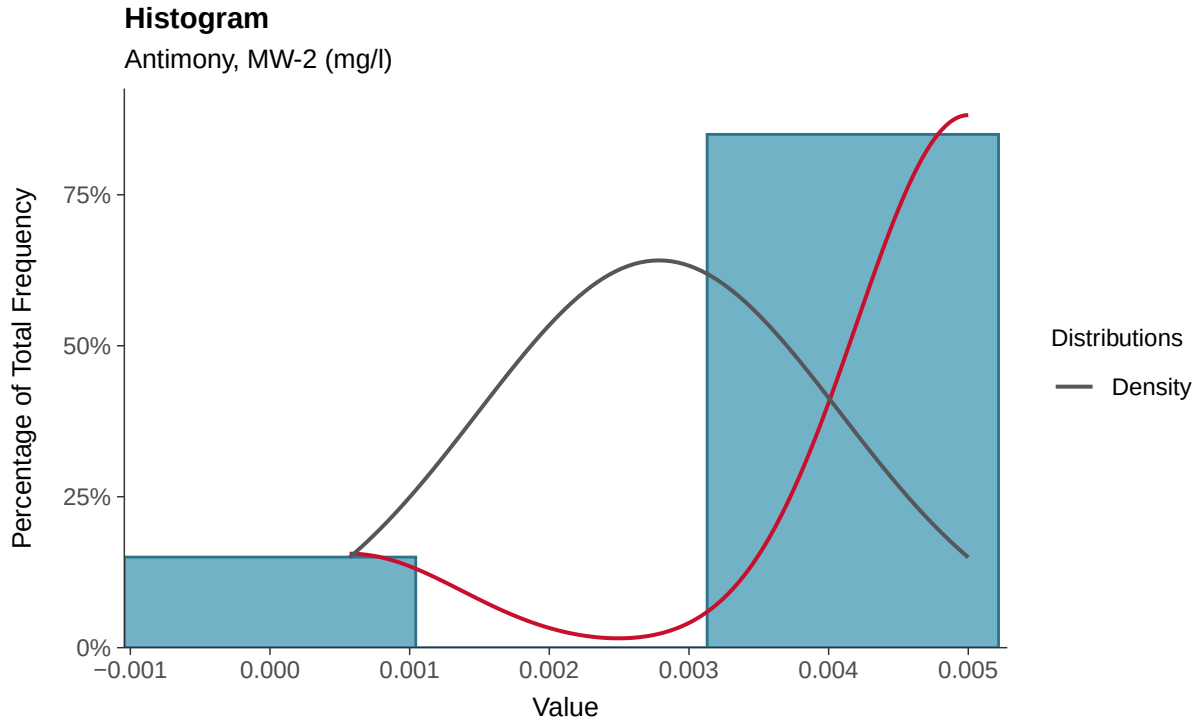
Total Dissolved Solids, MW-2 (mg/l)



Appendix IV: Antimony, MW-2

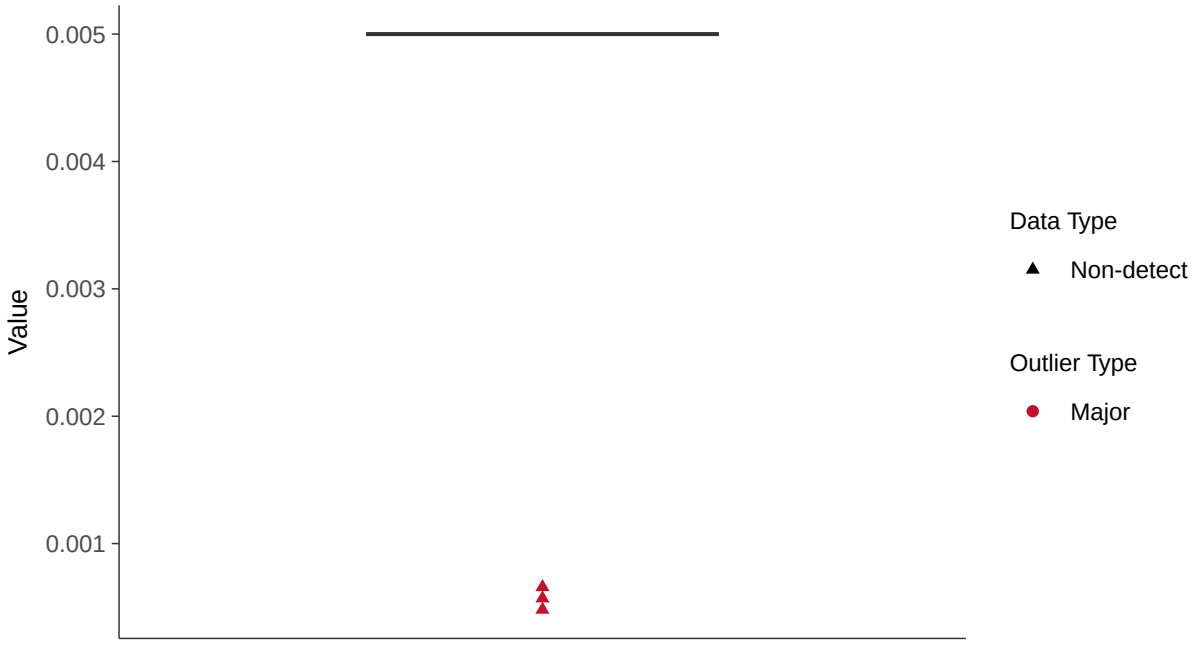
ID: 11_3_101





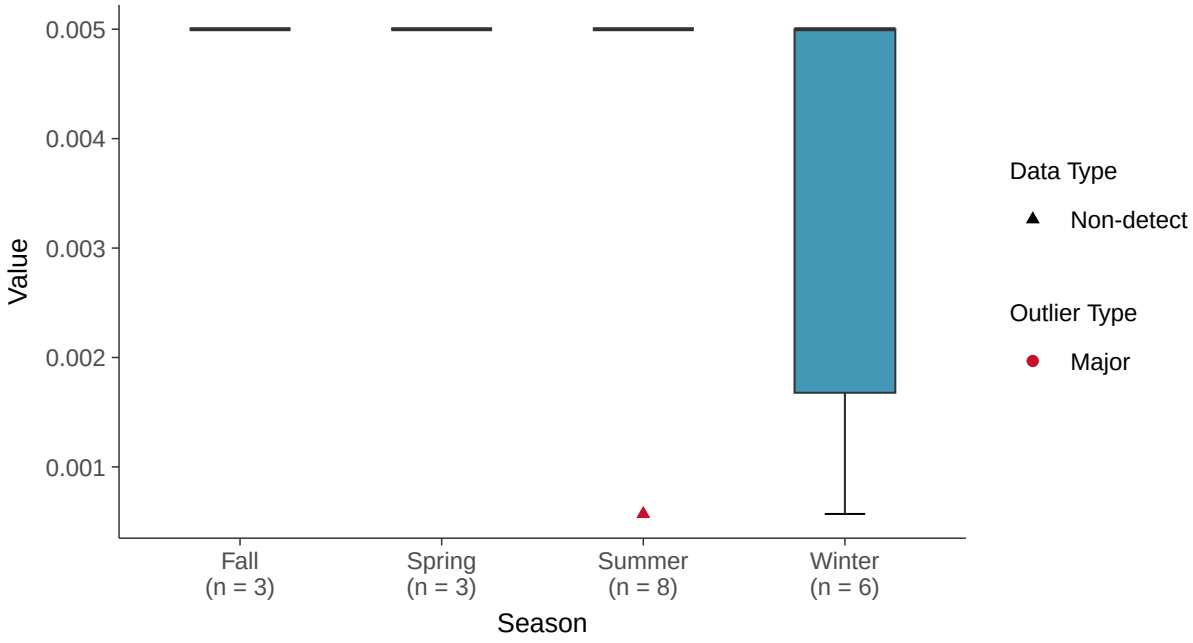
Boxplot

Antimony, MW-2 (mg/l)



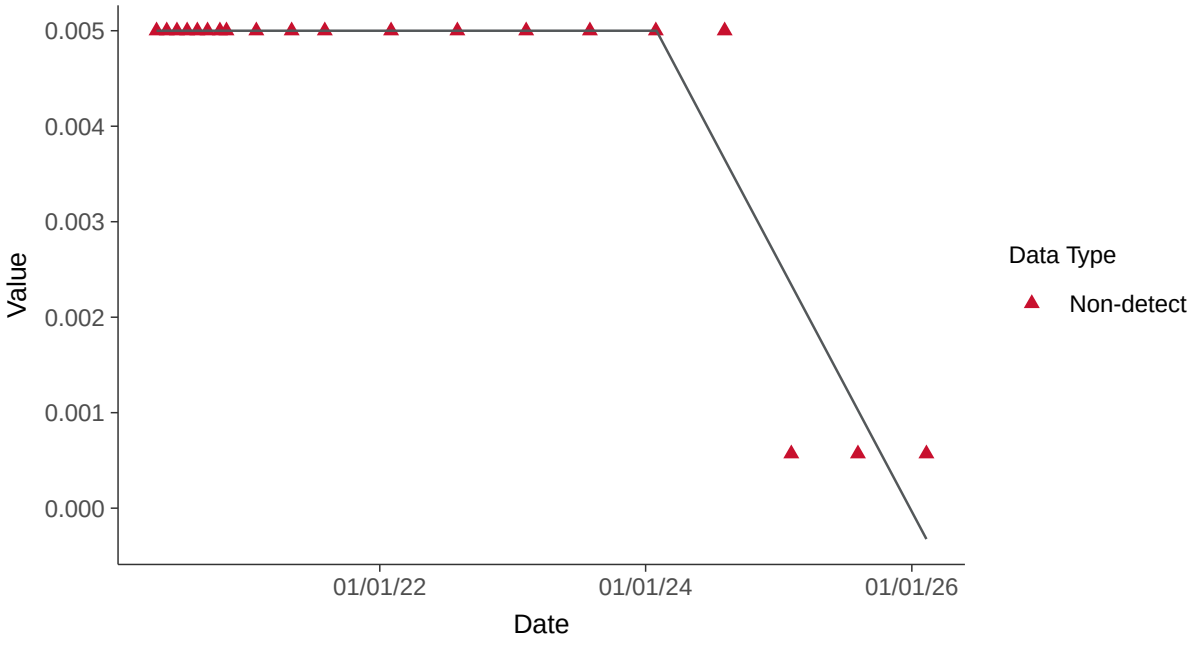
Boxplot by Season

Antimony, MW-2 (mg/l)



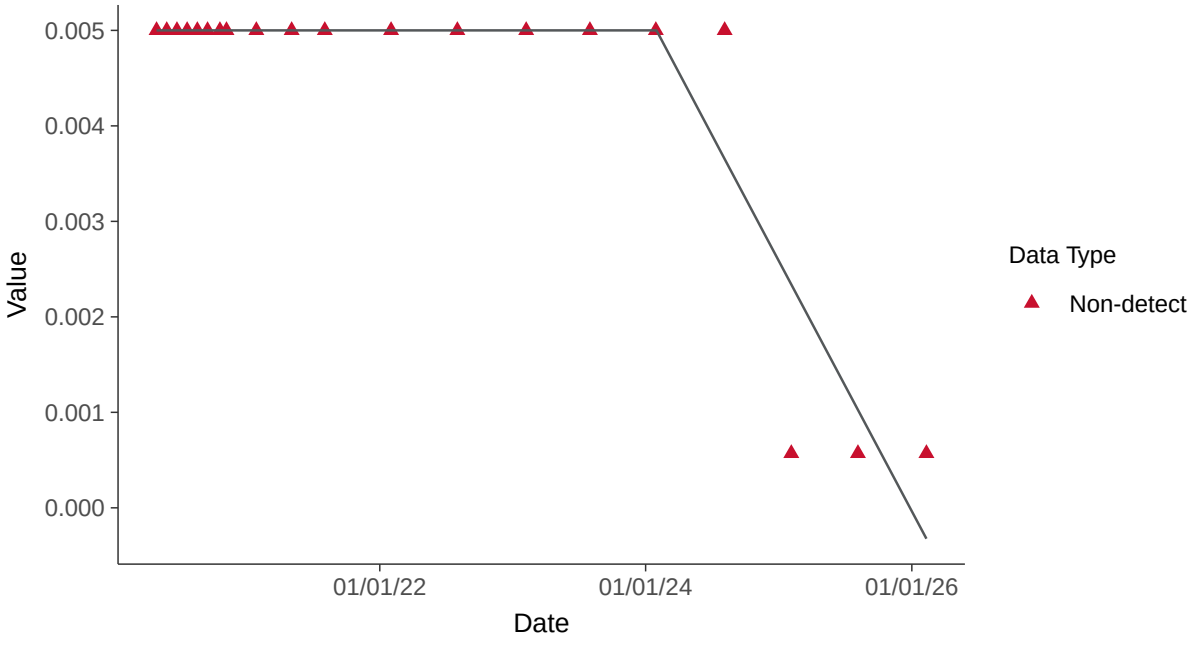
Trend Regression: Piecewise Linear-Linear

Antimony, MW-2 (mg/l)



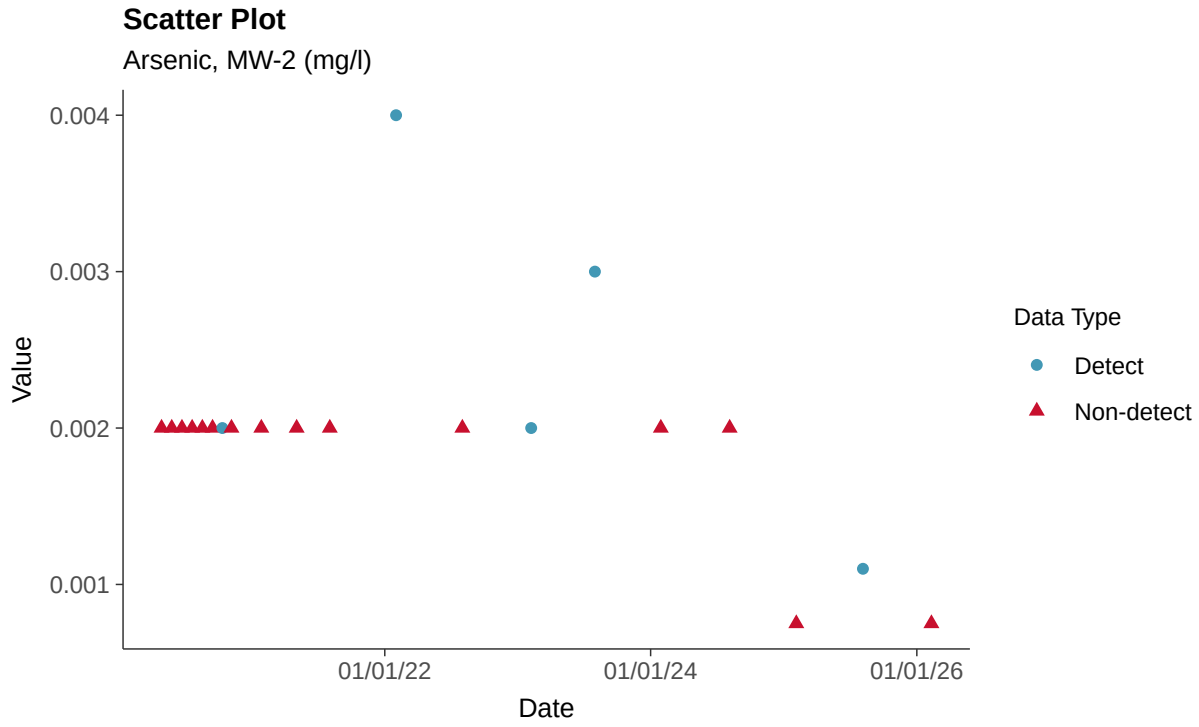
Trend Regression: Piecewise Linear-Linear-Linear

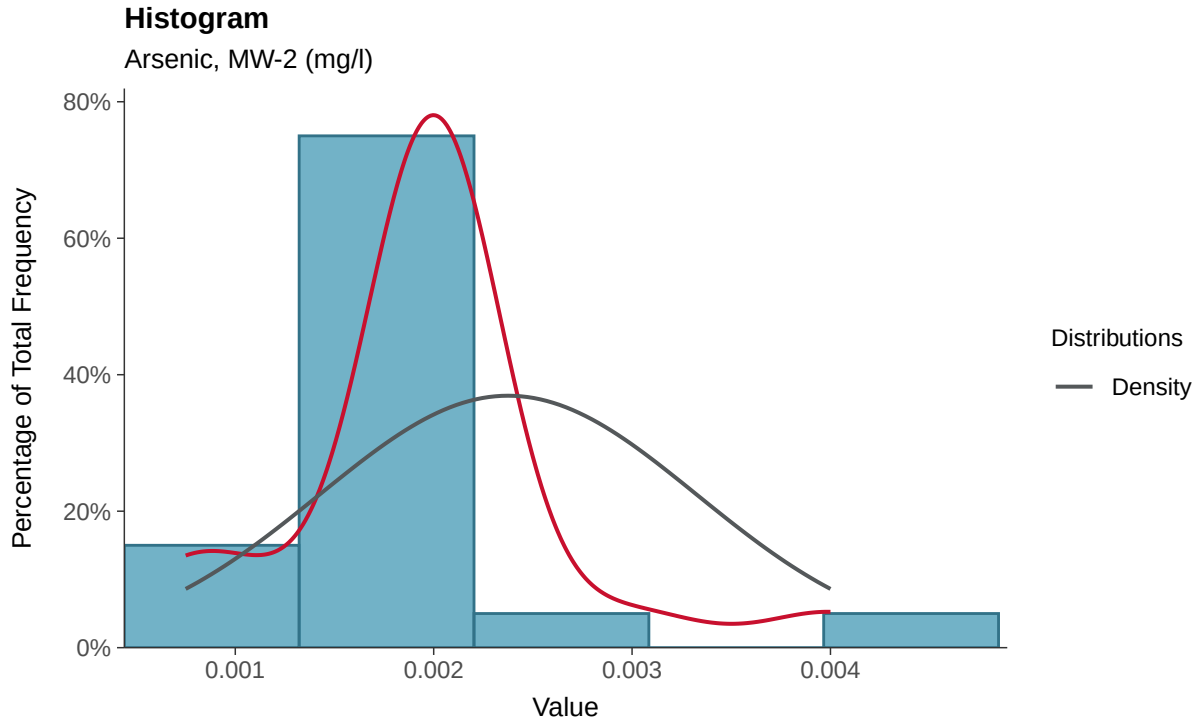
Antimony, MW-2 (mg/l)



Appendix IV: Arsenic, MW-2

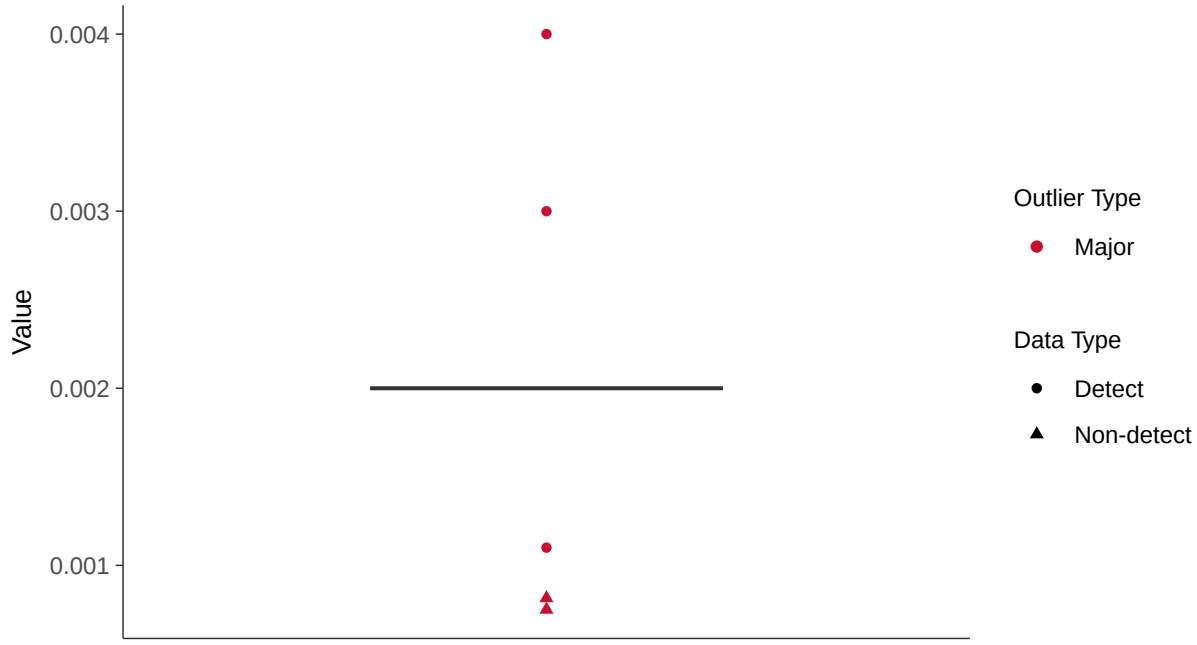
ID: 11_3_102





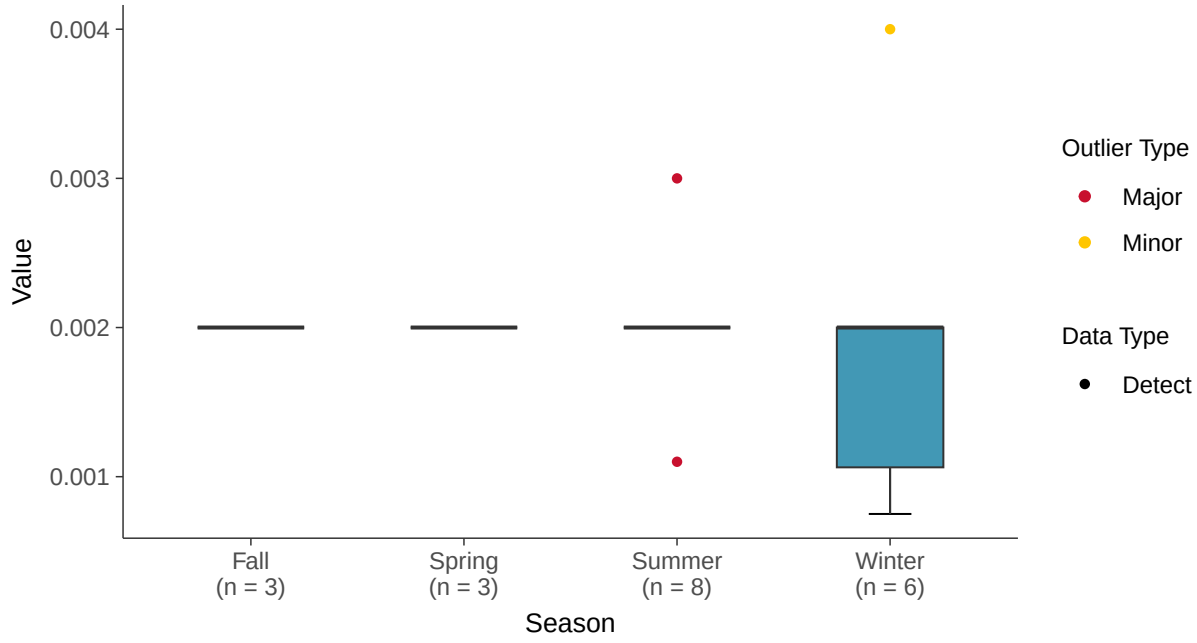
Boxplot

Arsenic, MW-2 (mg/l)



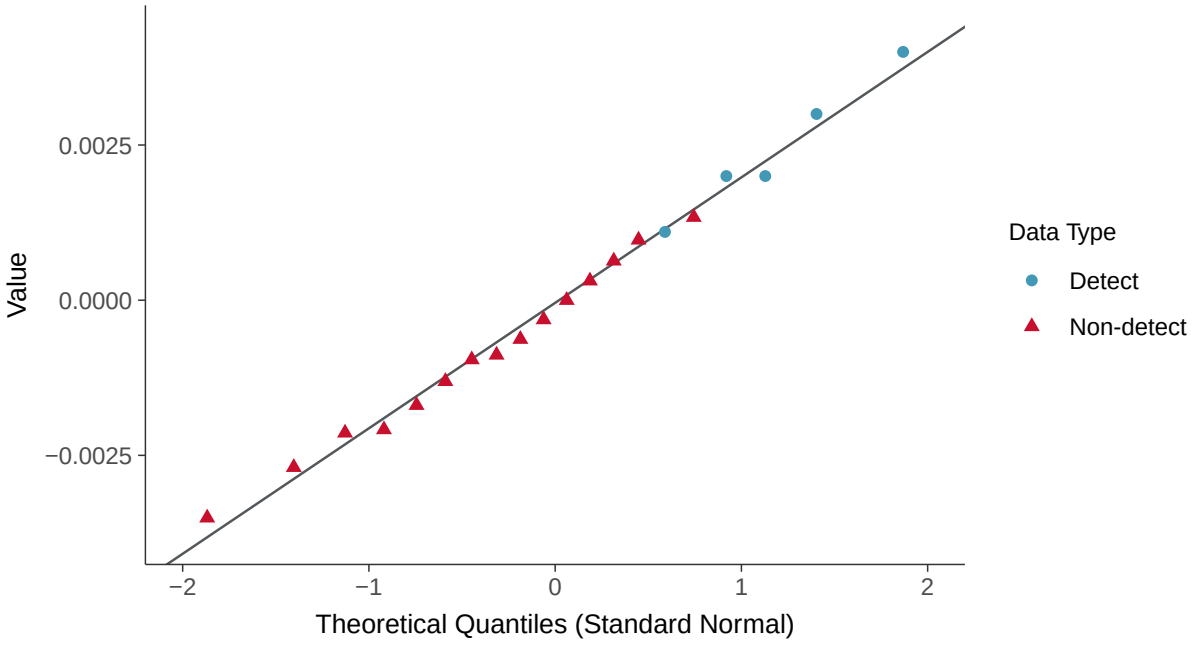
Boxplot by Season

Arsenic, MW-2 (mg/l)



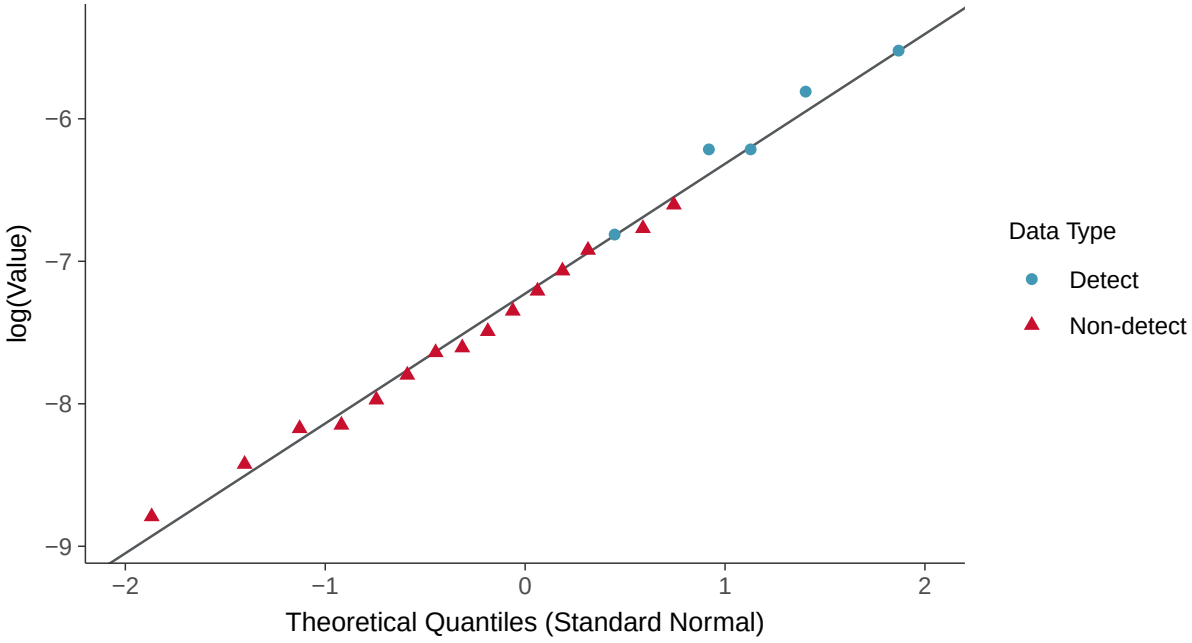
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-2 (mg/l)



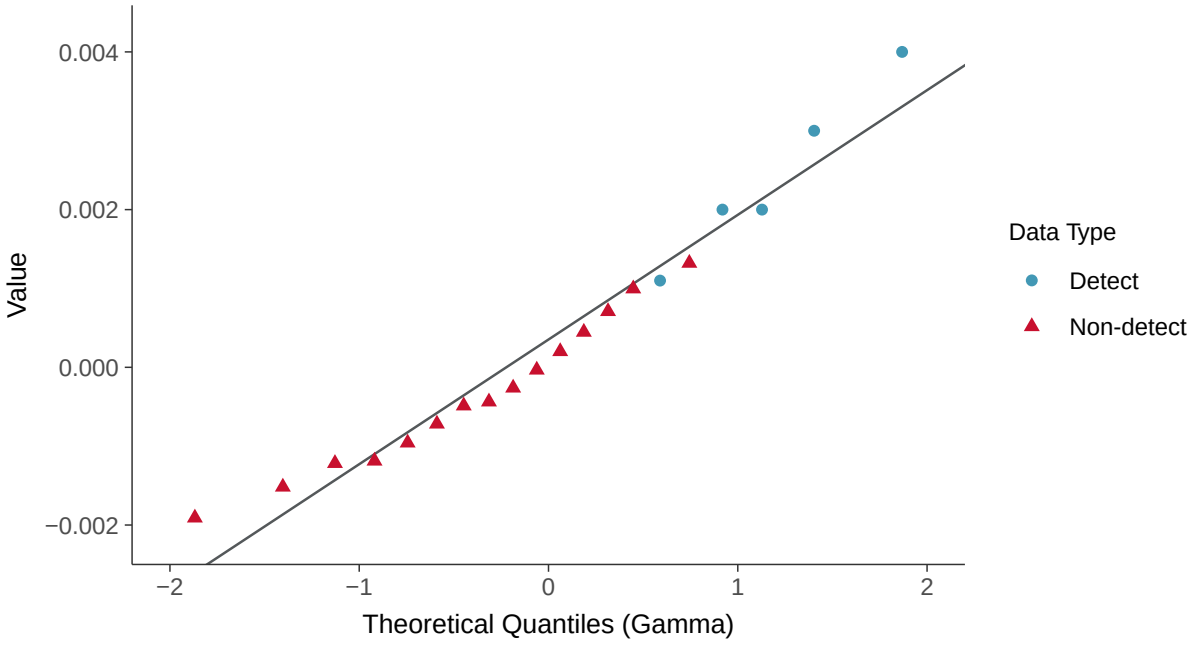
Lognormal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-2 (mg/l)



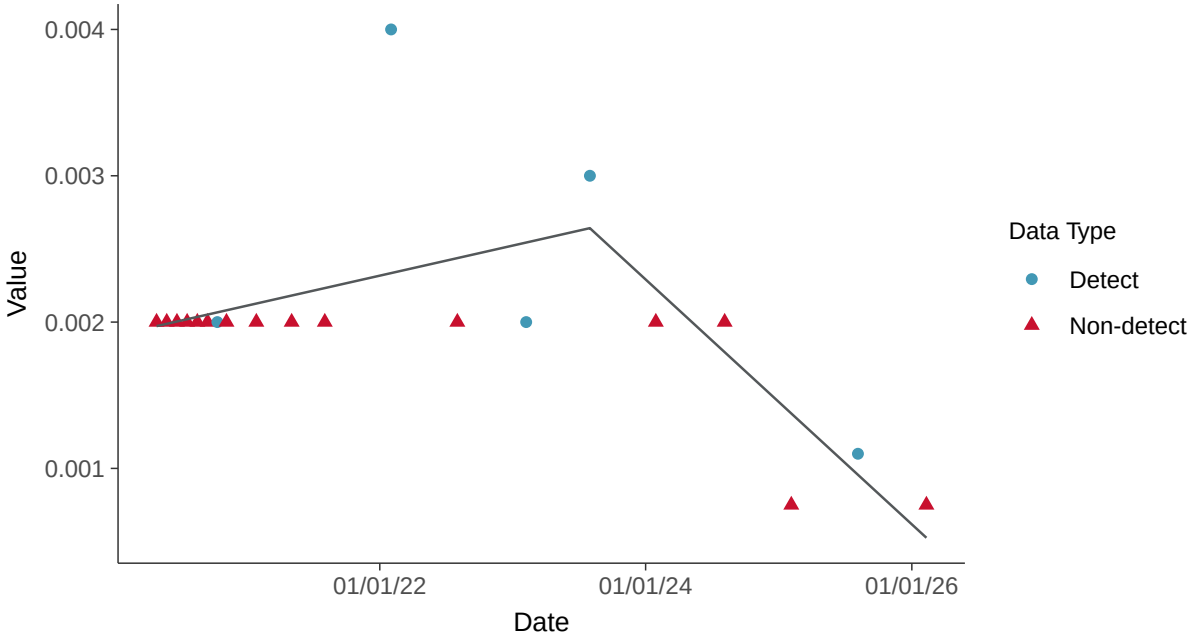
Gamma Q-Q plot using ROS Imputed Estimates

Arsenic, MW-2 (mg/l)



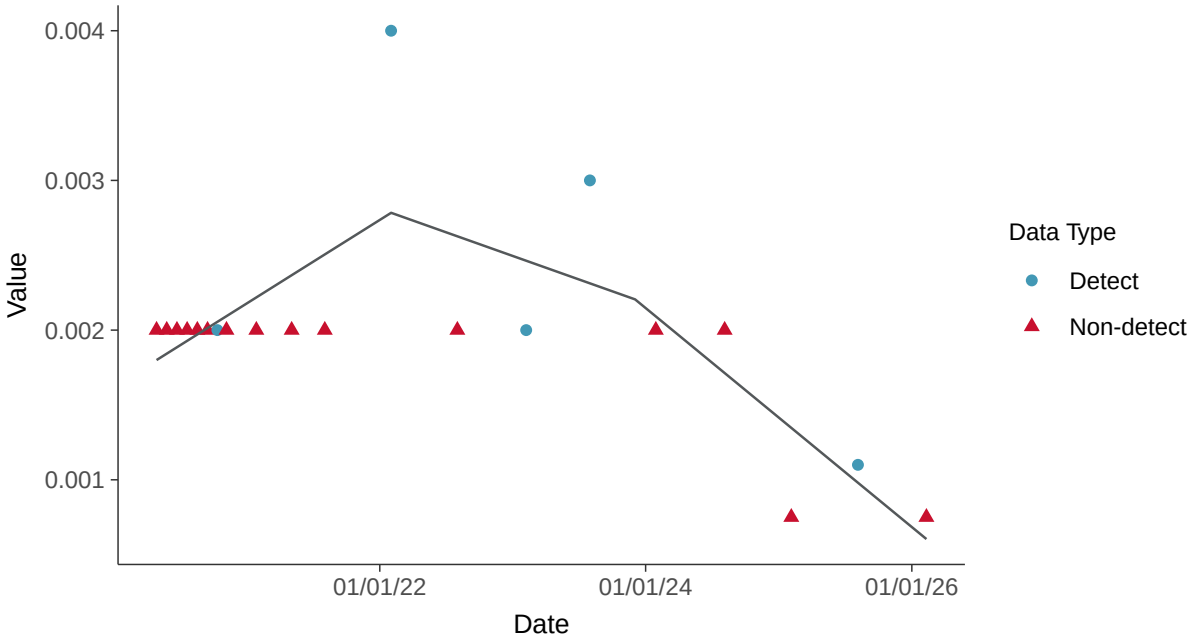
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-2 (mg/l)



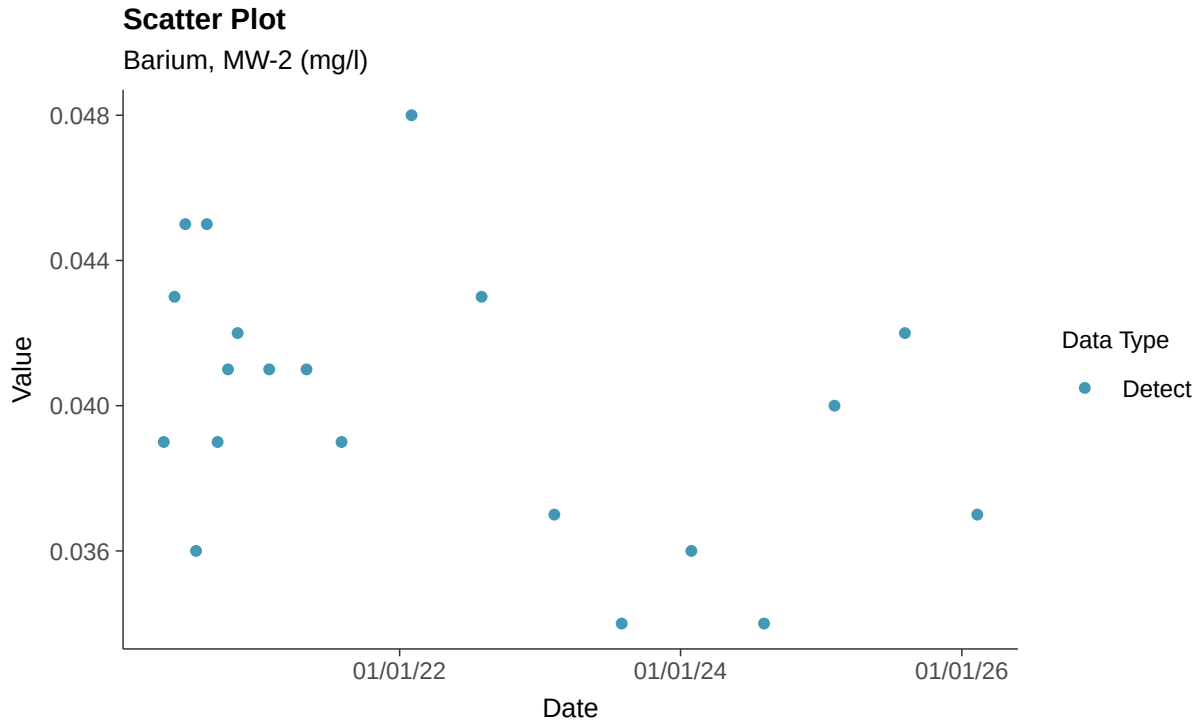
Trend Regression: Piecewise Linear-Linear-Linear

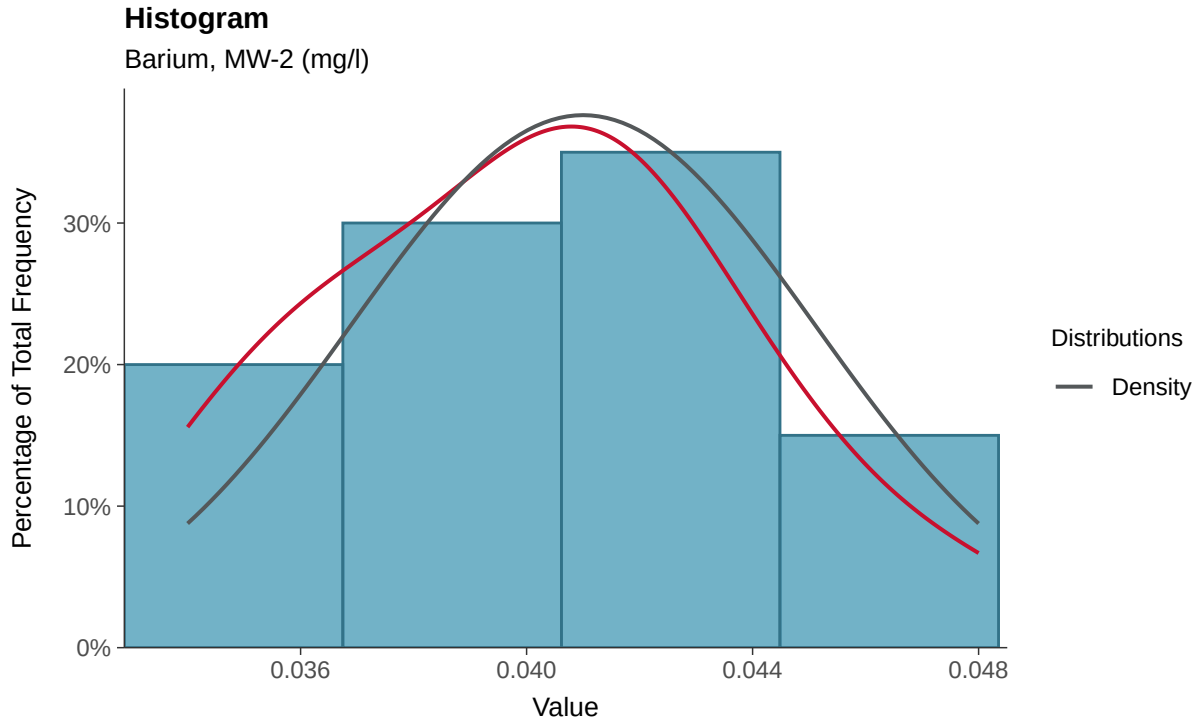
Arsenic, MW-2 (mg/l)



Appendix IV: Barium, MW-2

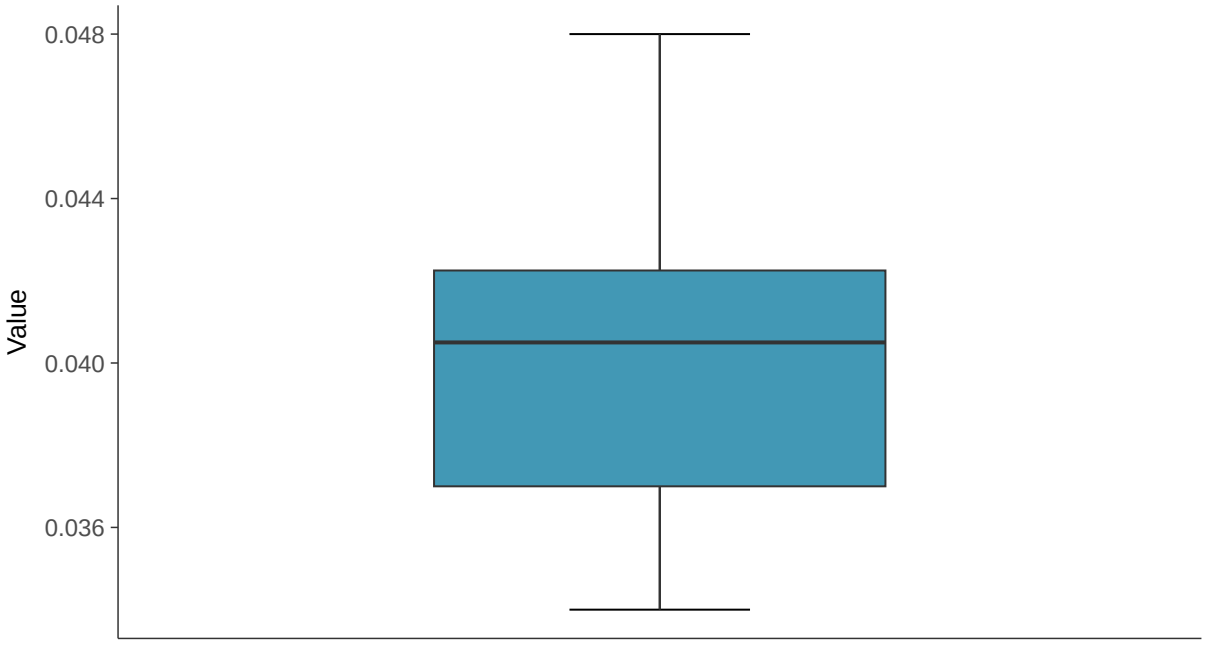
ID: 11_3_103





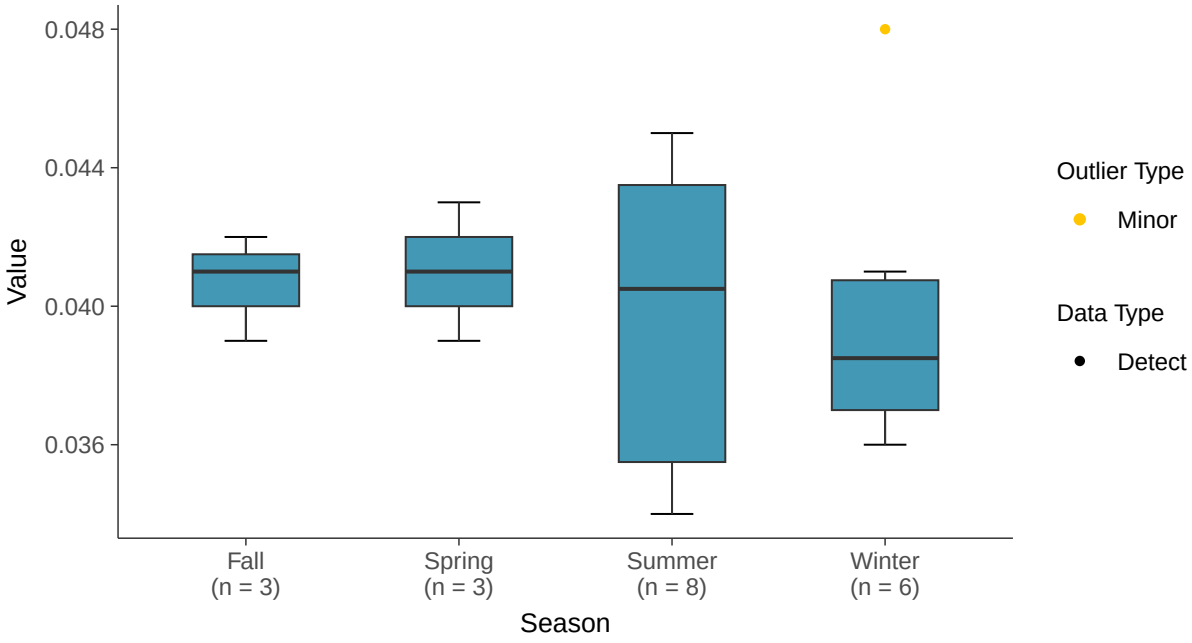
Boxplot

Barium, MW-2 (mg/l)



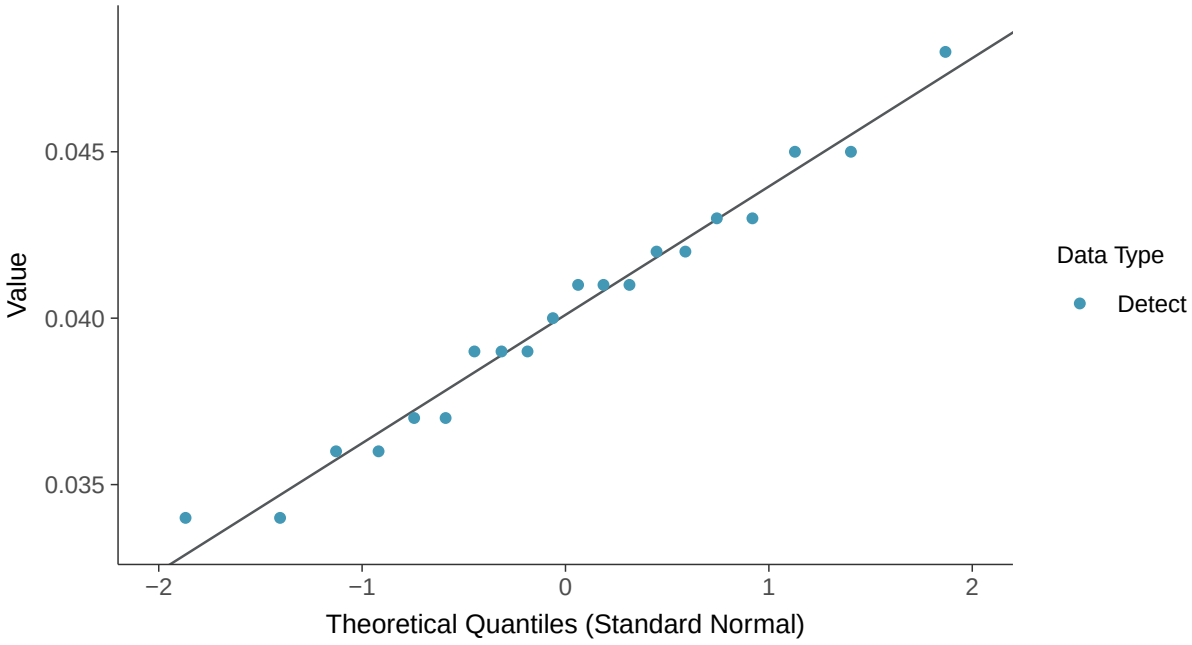
Boxplot by Season

Barium, MW-2 (mg/l)



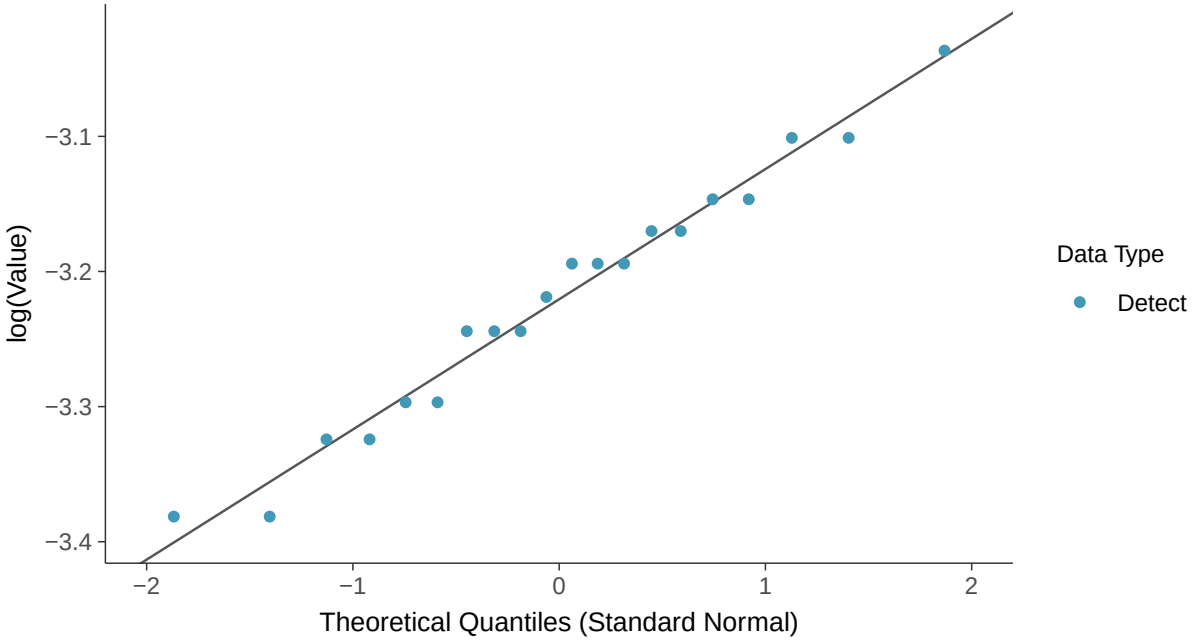
Normal Q-Q plot

Barium, MW-2 (mg/l)



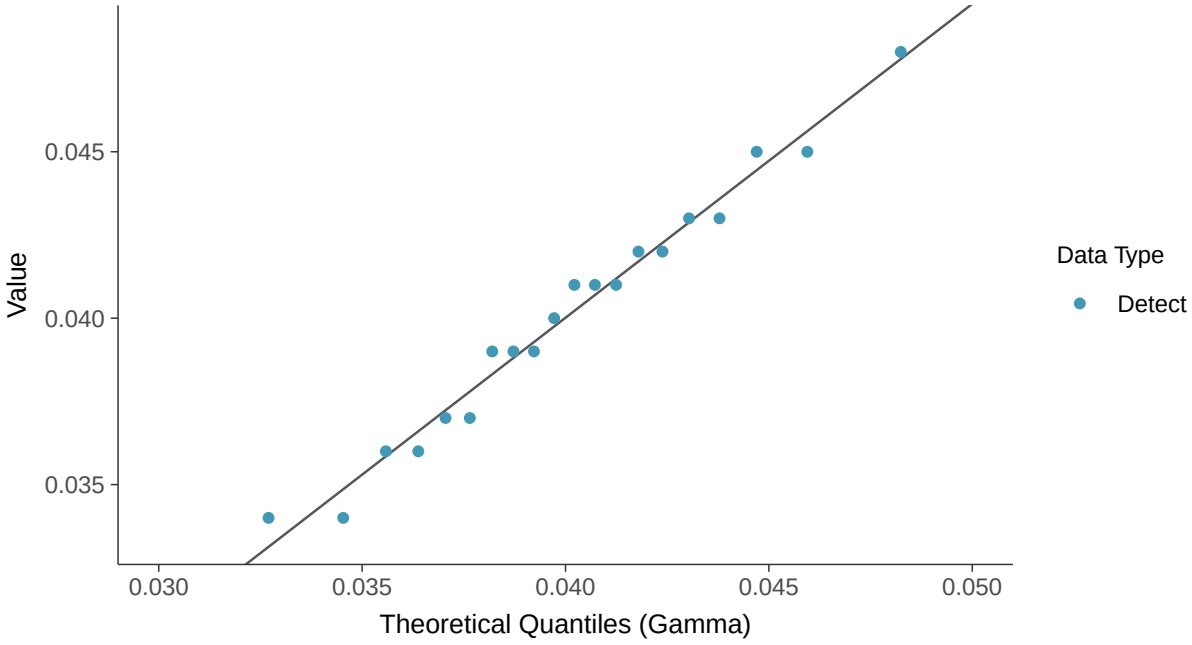
Lognormal Q-Q plot

Barium, MW-2 (mg/l)



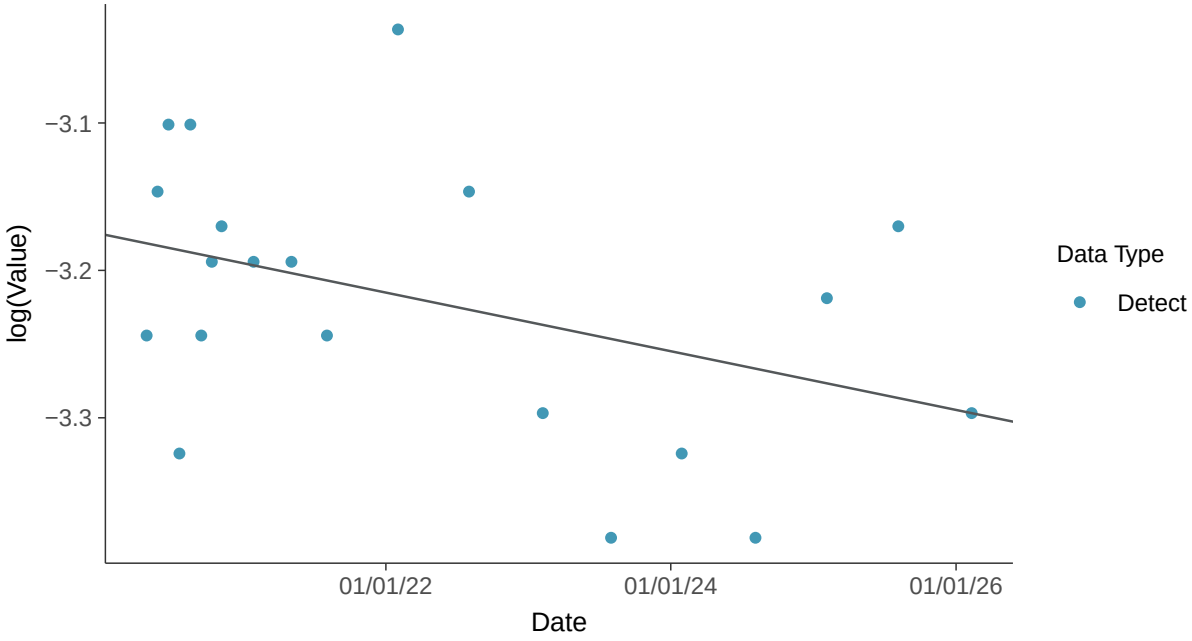
Gamma Q-Q plot

Barium, MW-2 (mg/l)



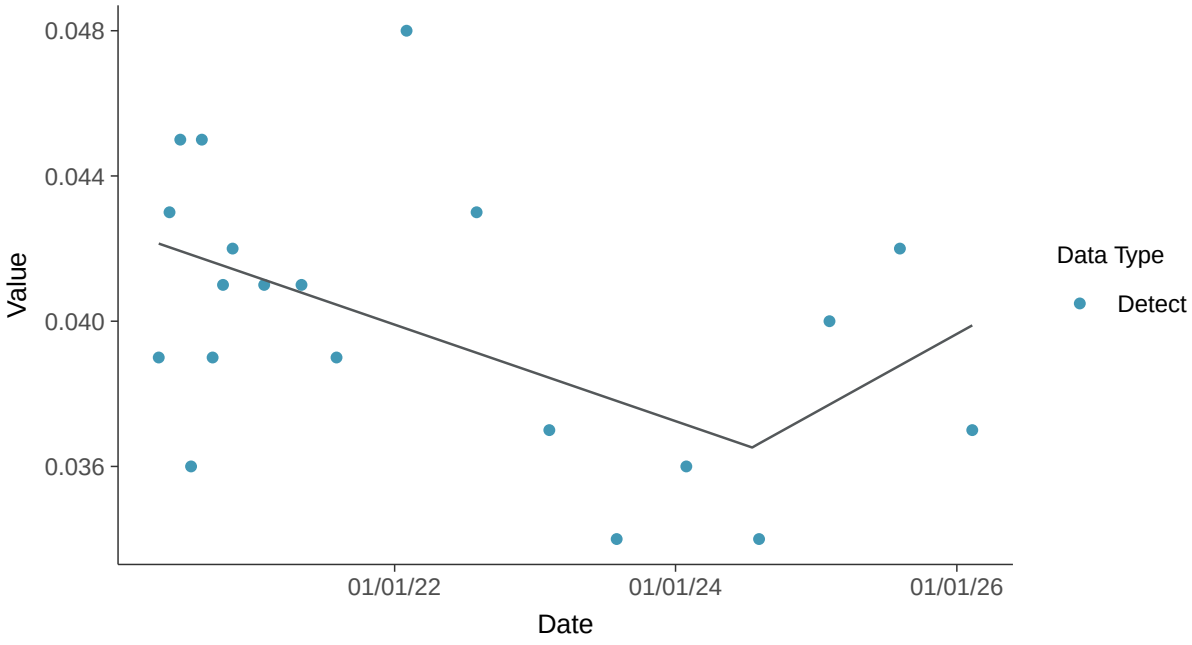
Trend Regression: Lognormal MLE

Barium, MW-2 (mg/l)



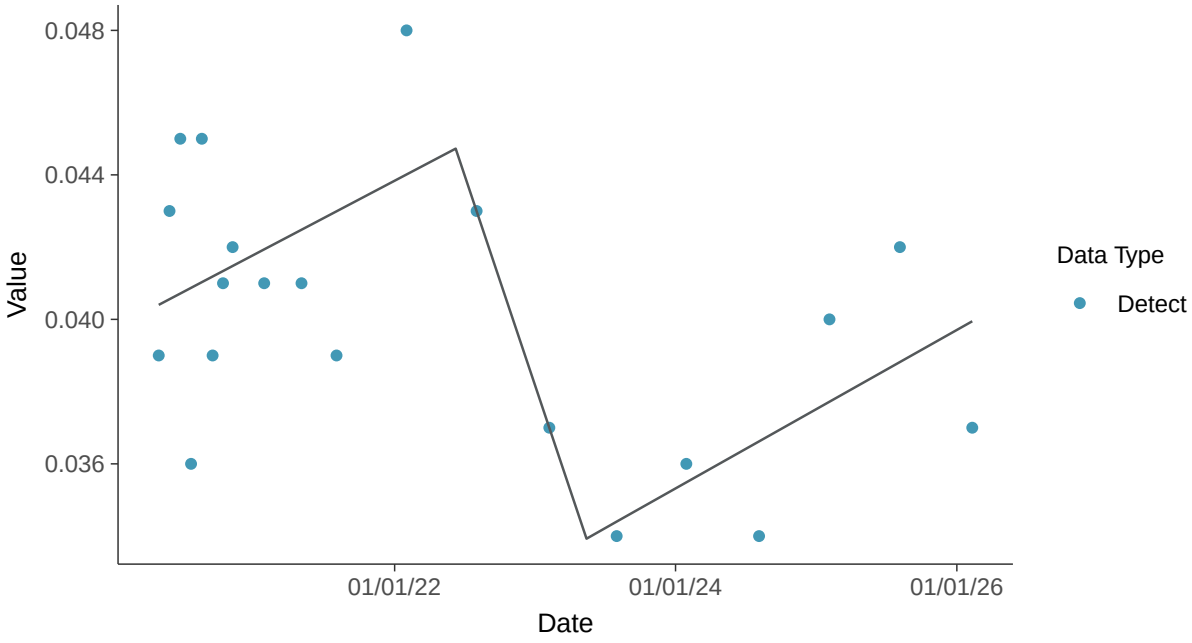
Trend Regression: Piecewise Linear-Linear

Barium, MW-2 (mg/l)



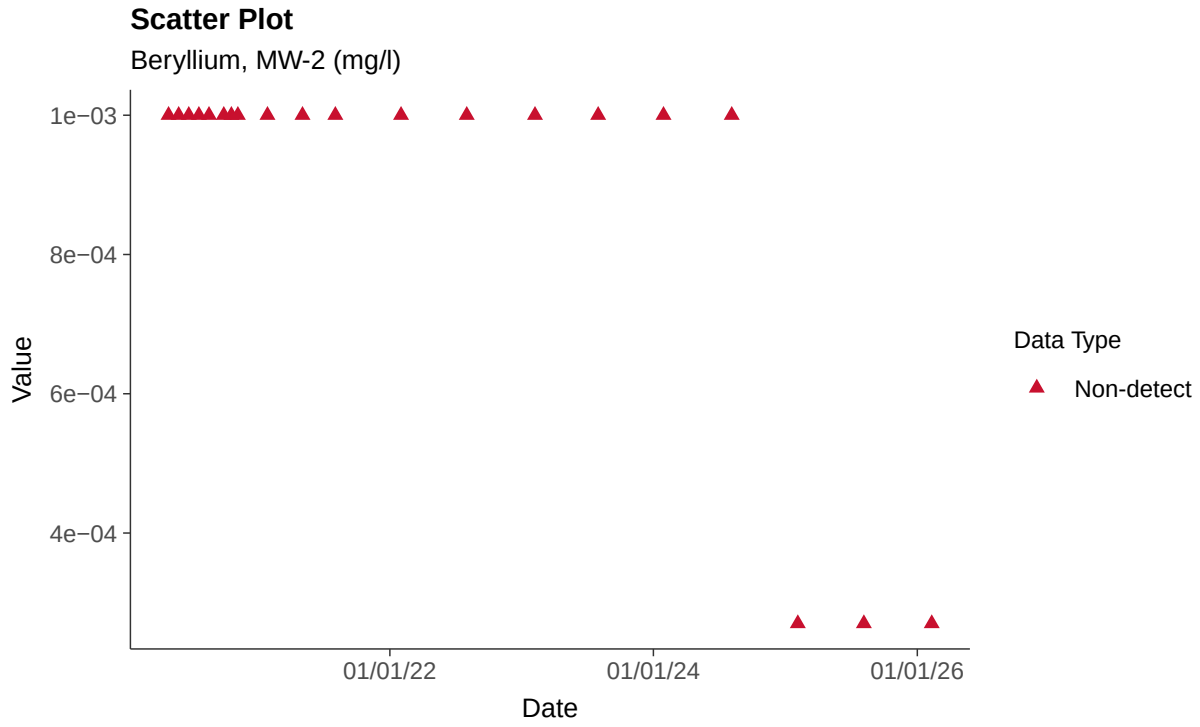
Trend Regression: Piecewise Linear-Linear-Linear

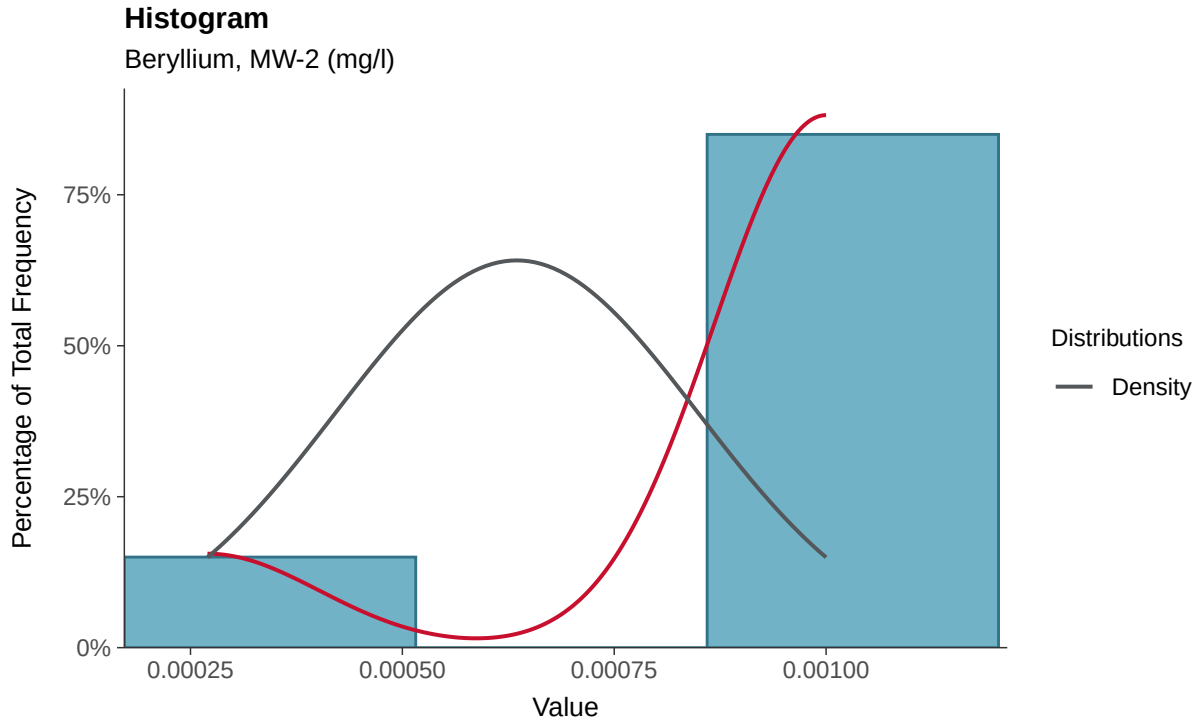
Barium, MW-2 (mg/l)



Appendix IV: Beryllium, MW-2

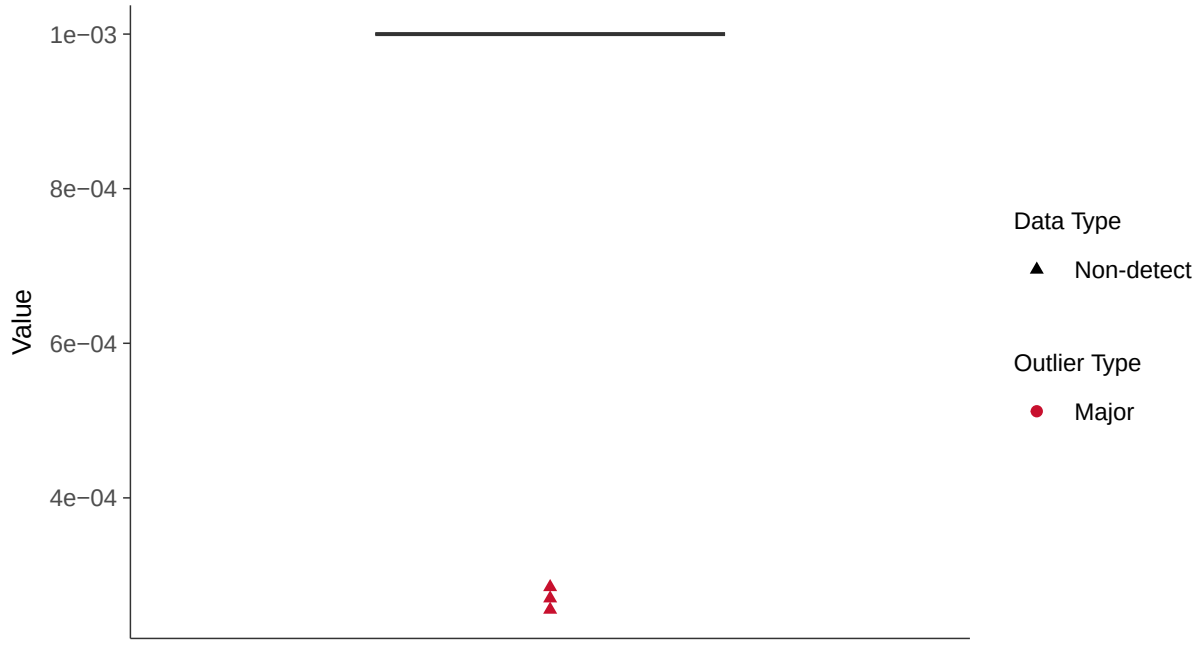
ID: 11_3_104





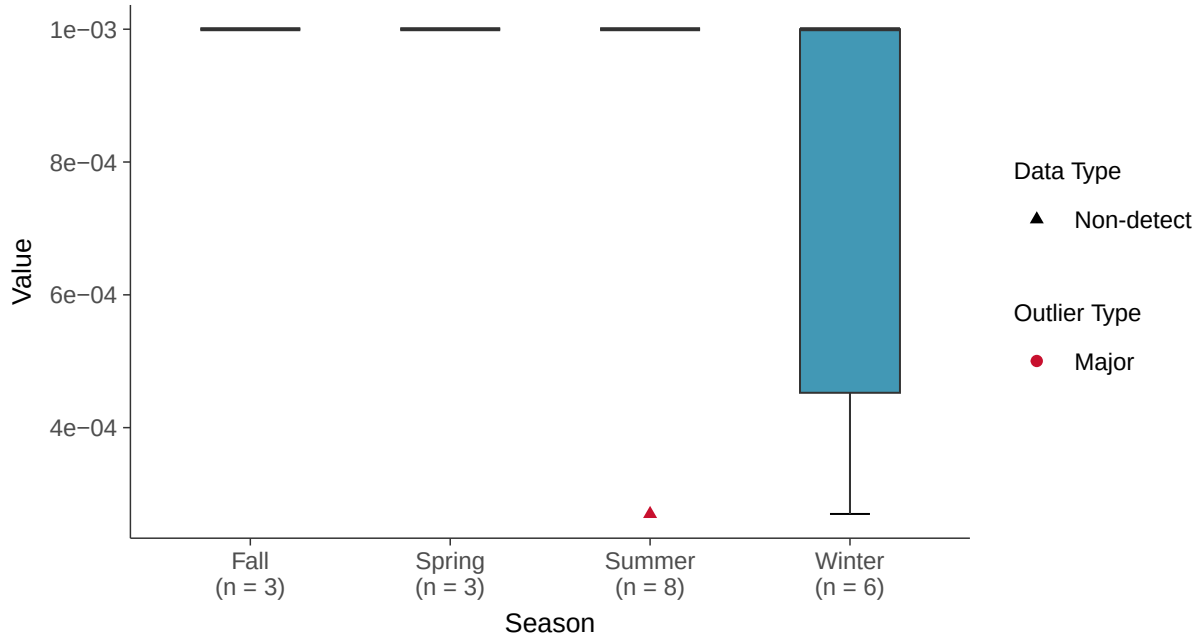
Boxplot

Beryllium, MW-2 (mg/l)



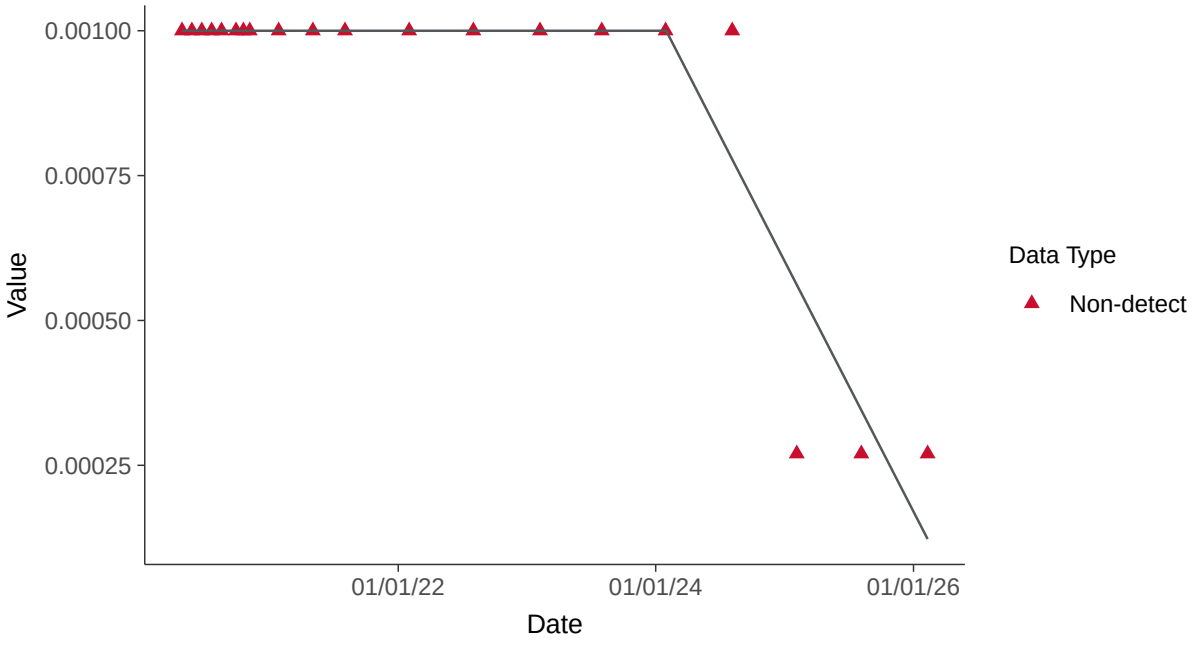
Boxplot by Season

Beryllium, MW-2 (mg/l)



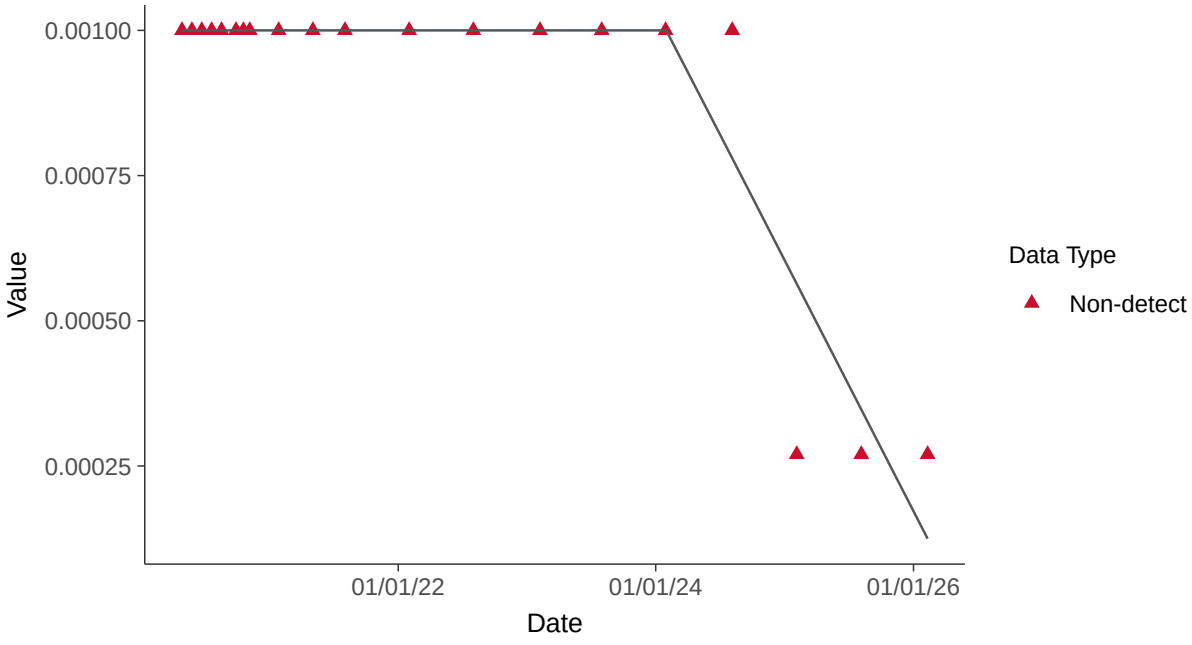
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-2 (mg/l)



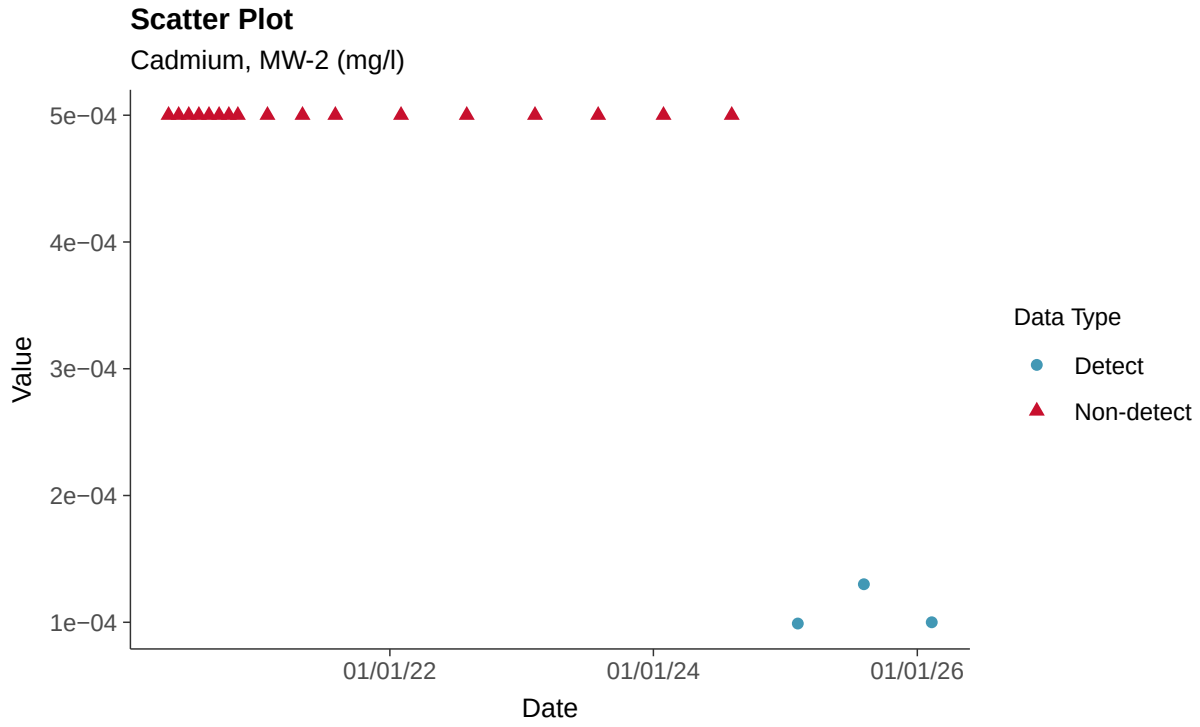
Trend Regression: Piecewise Linear-Linear-Linear

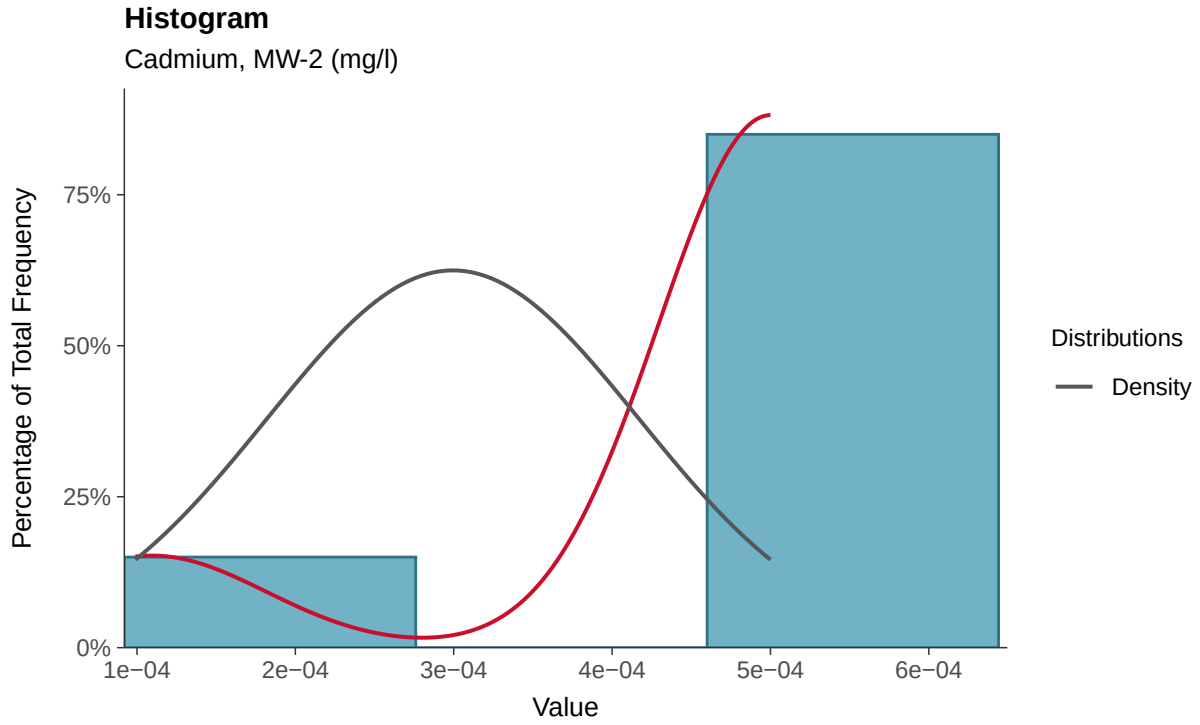
Beryllium, MW-2 (mg/l)



Appendix IV: Cadmium, MW-2

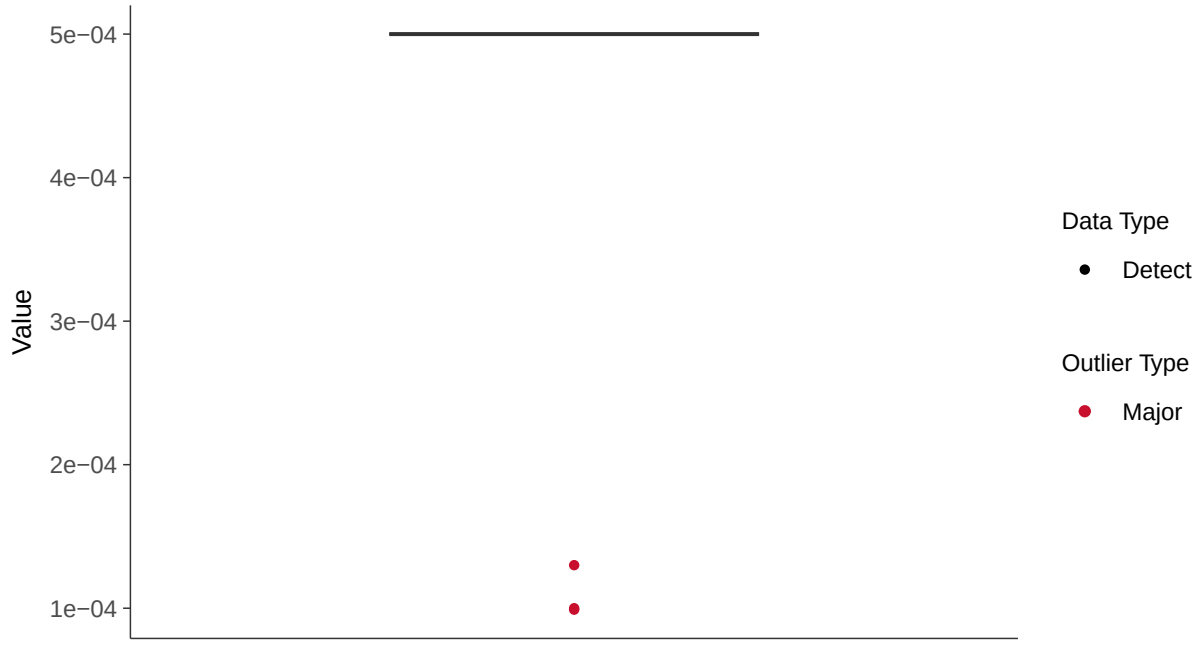
ID: 11_3_106





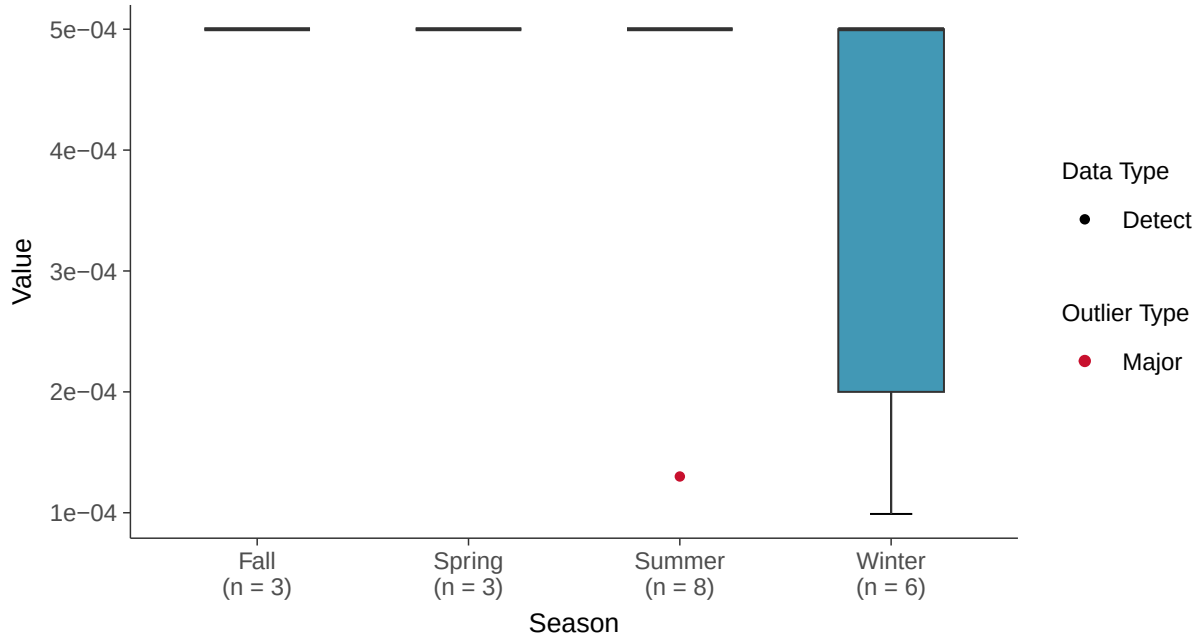
Boxplot

Cadmium, MW-2 (mg/l)



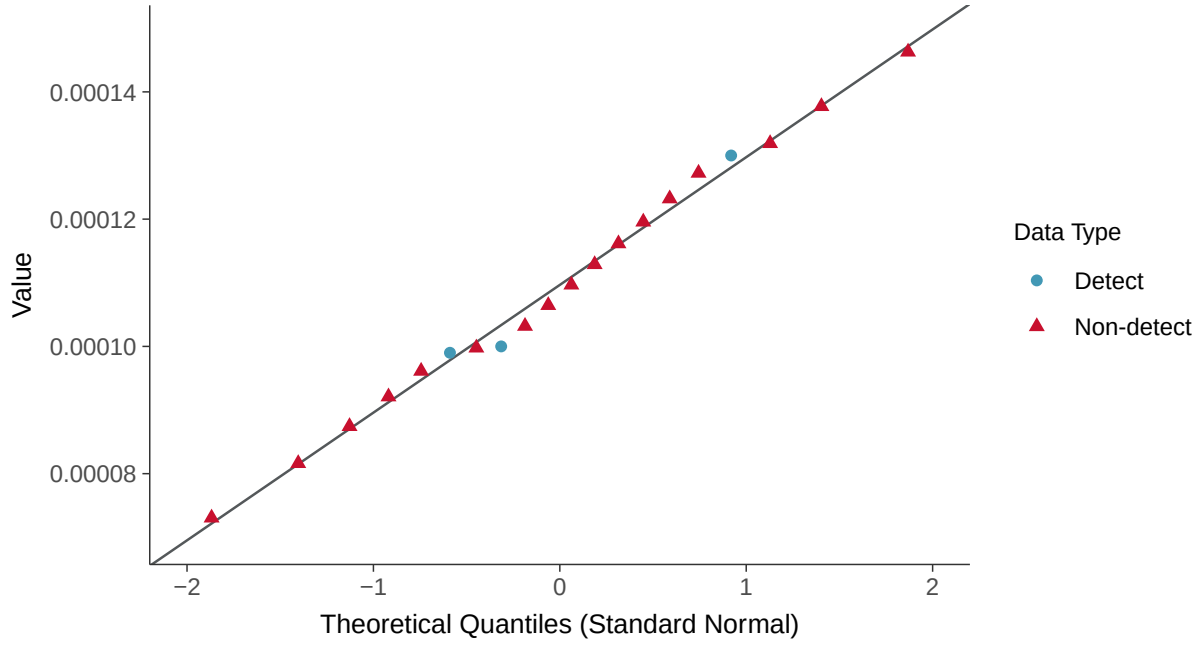
Boxplot by Season

Cadmium, MW-2 (mg/l)



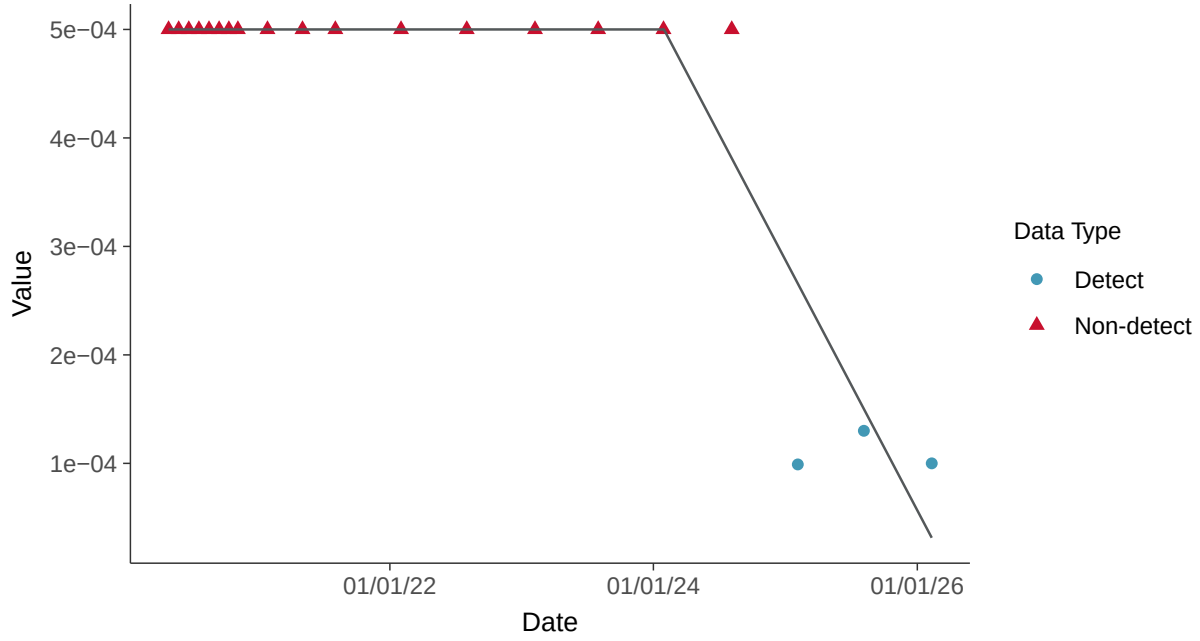
Normal Q-Q plot using ROS Imputed Estimates

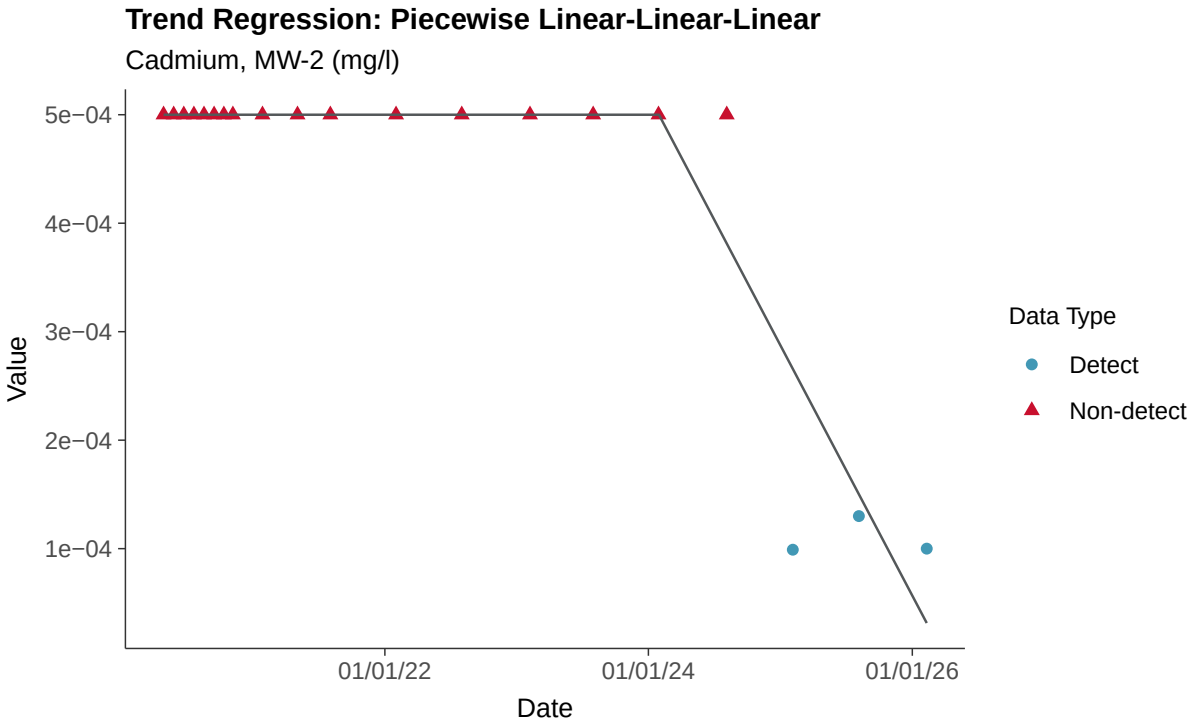
Cadmium, MW-2 (mg/l)



Trend Regression: Piecewise Linear-Linear

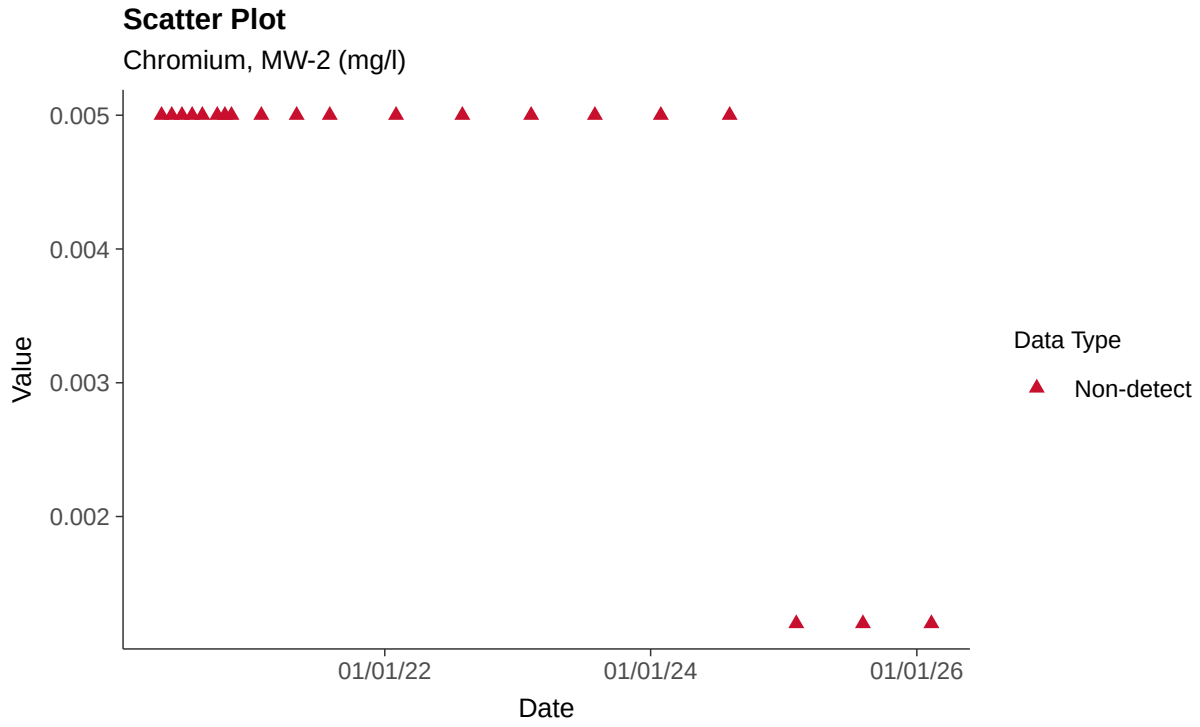
Cadmium, MW-2 (mg/l)

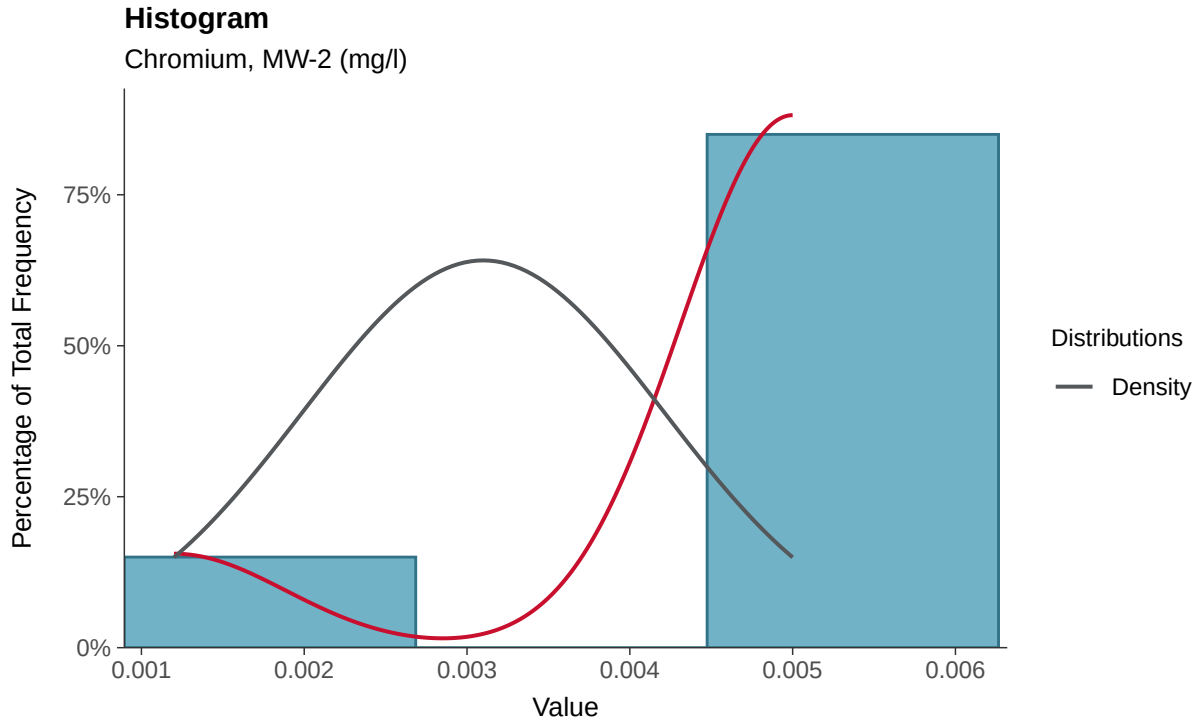



Trend Regression: Piecewise Linear-Linear-Linear
Cadmium, MW-2 (mg/l)
5e−04
4e−04
3e−04
2e−04
1e−04
Value
01/01/22
01/01/24
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Chromium, MW-2

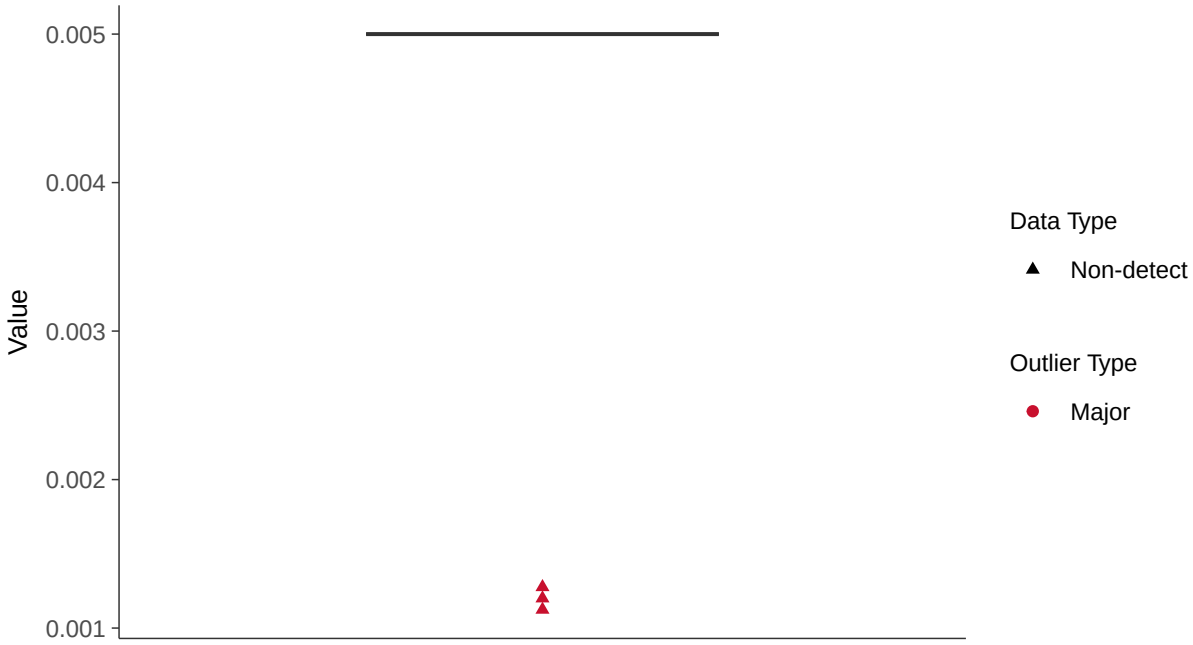
ID: 11_3_109





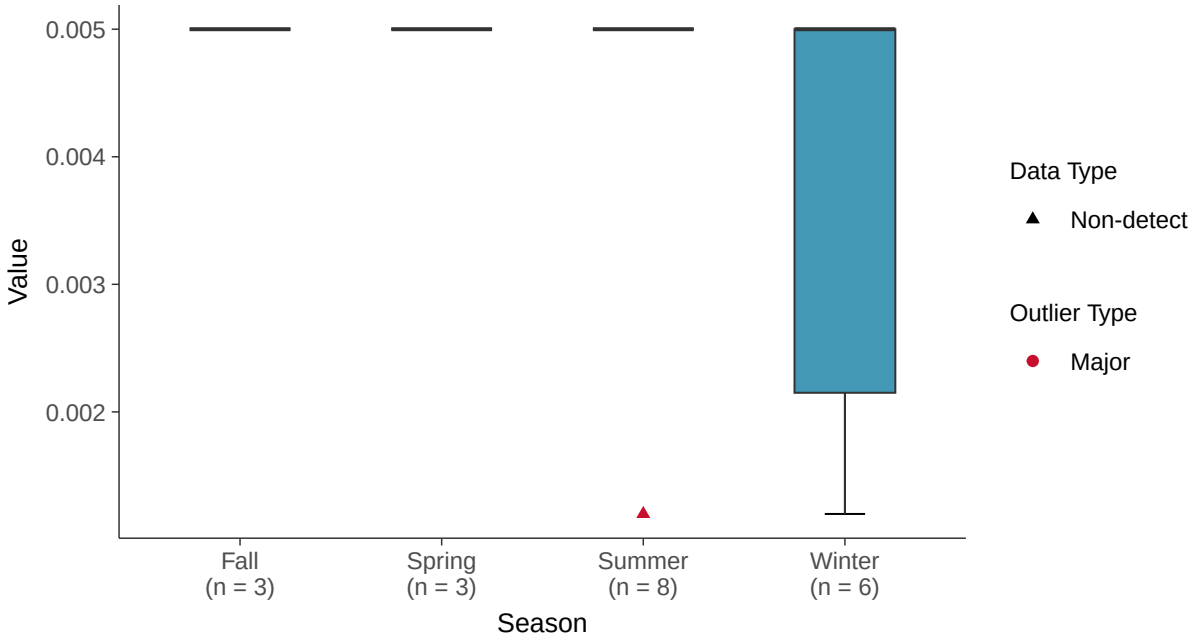
Boxplot

Chromium, MW-2 (mg/l)



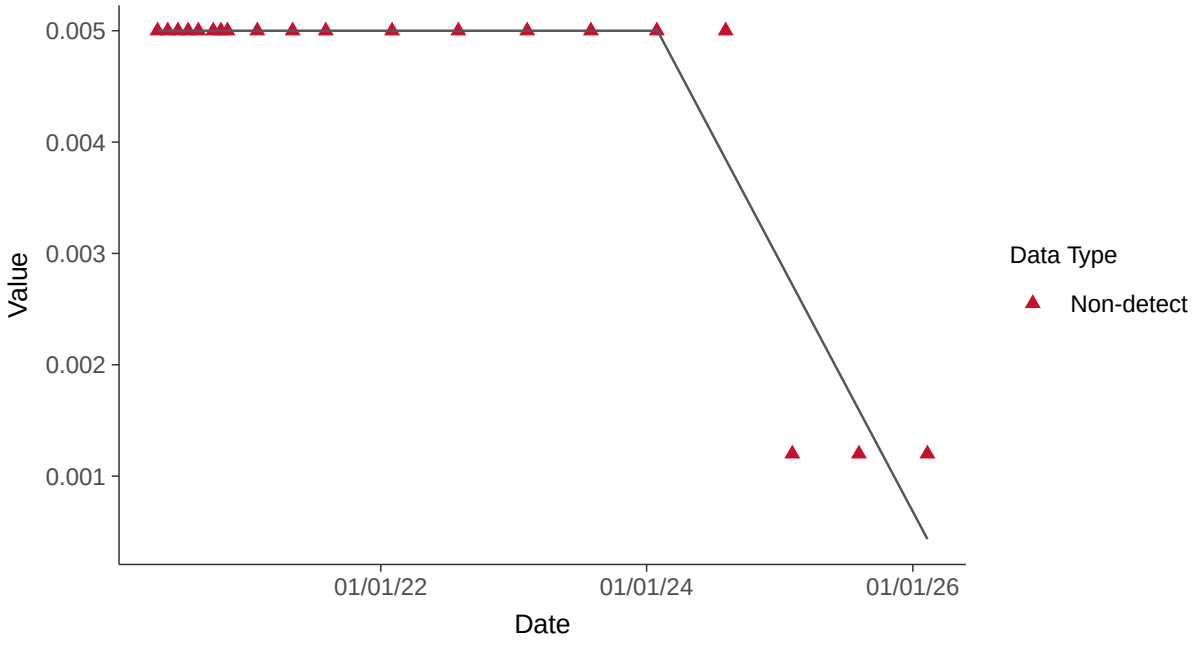
Boxplot by Season

Chromium, MW-2 (mg/l)



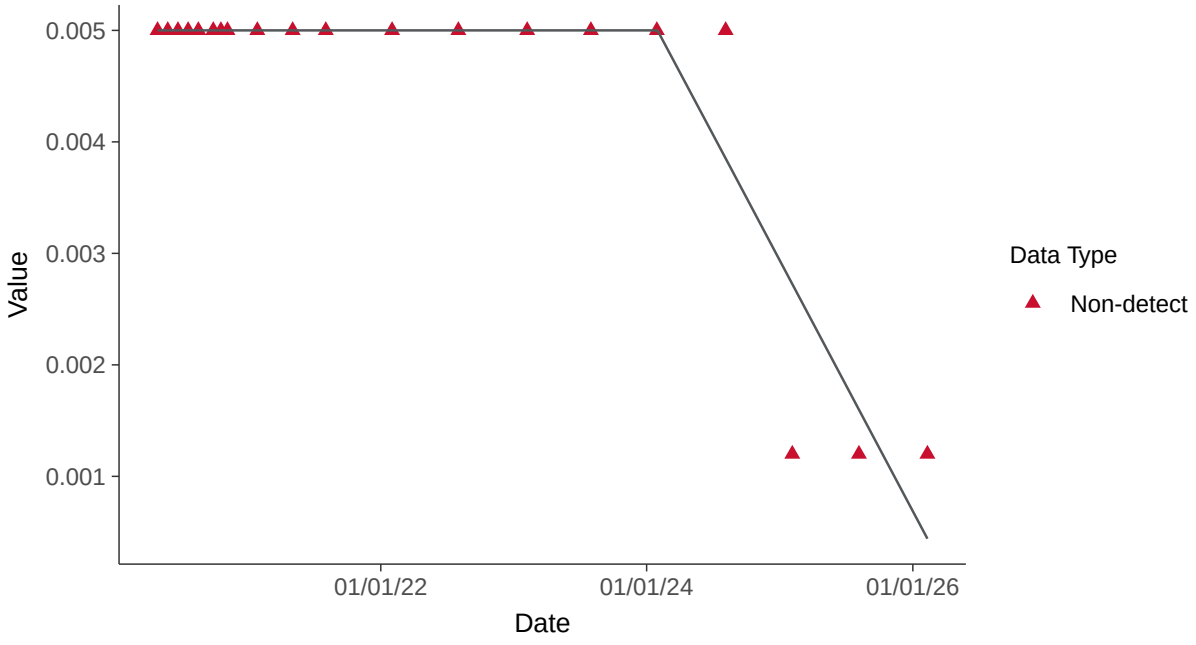
Trend Regression: Piecewise Linear-Linear

Chromium, MW-2 (mg/l)



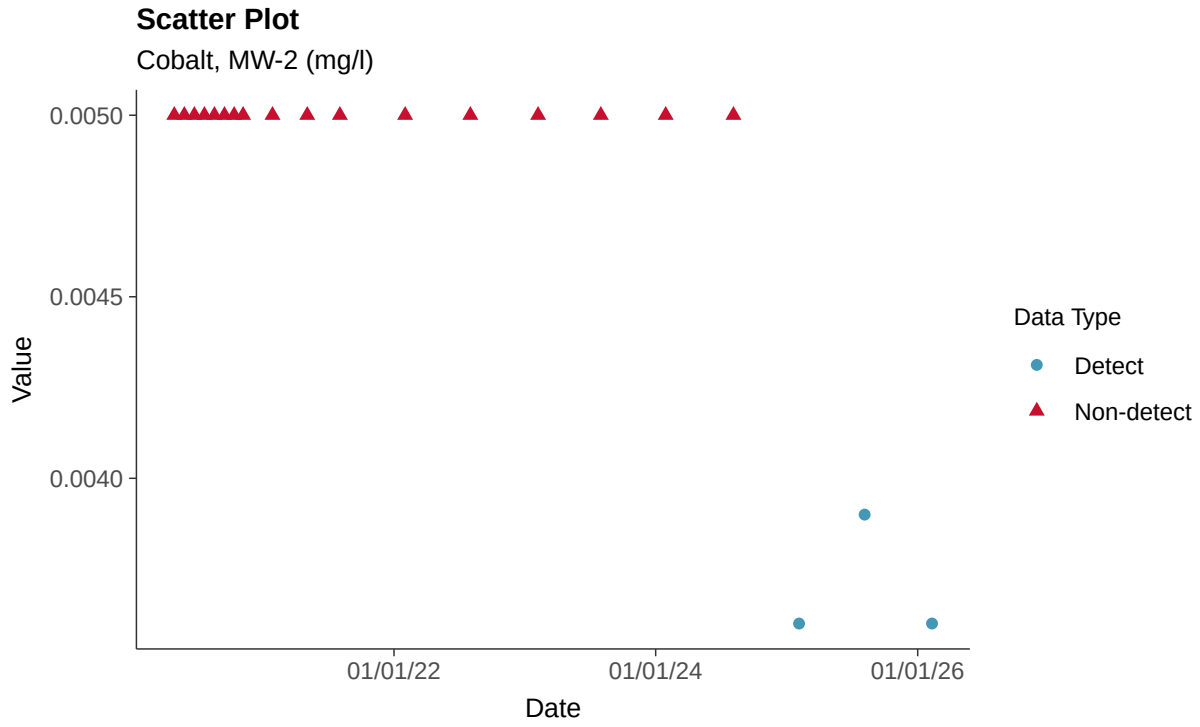
Trend Regression: Piecewise Linear-Linear-Linear

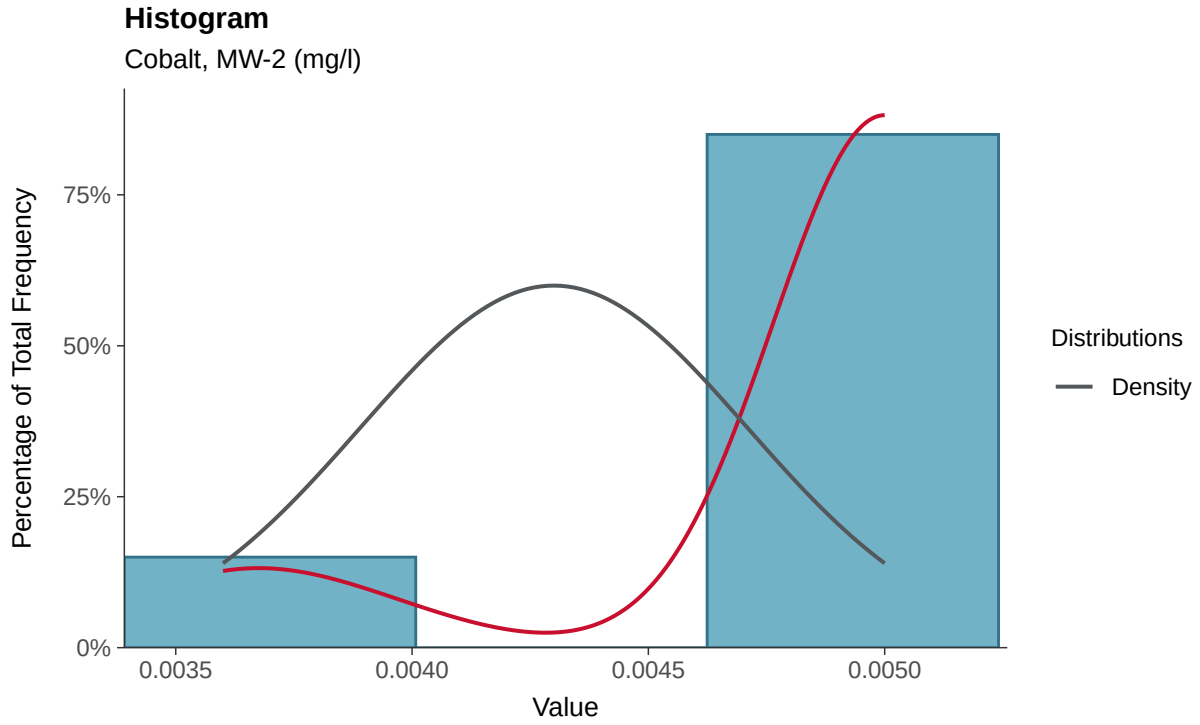
Chromium, MW-2 (mg/l)



Appendix IV: Cobalt, MW-2

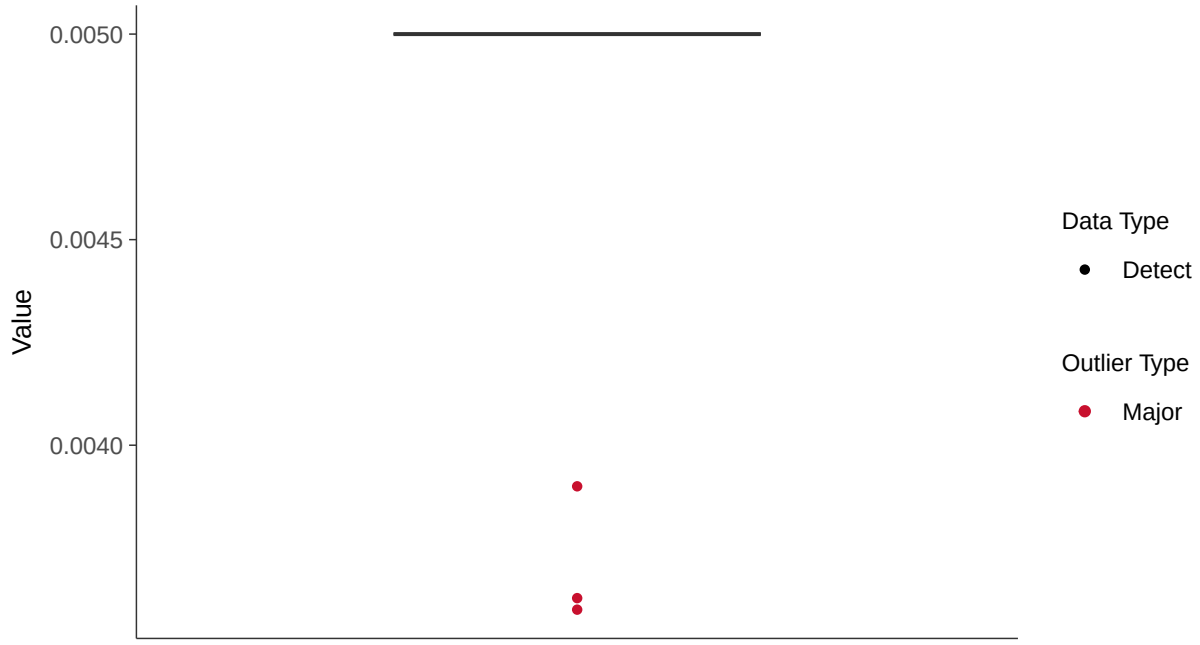
ID: 11_3_110





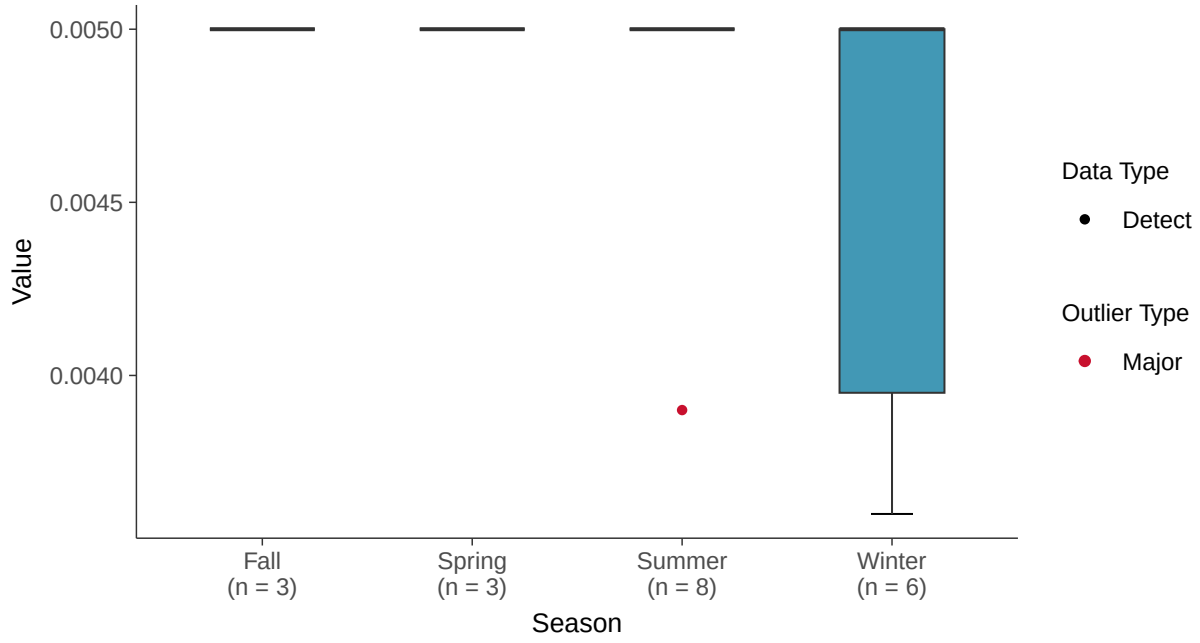
Boxplot

Cobalt, MW-2 (mg/l)



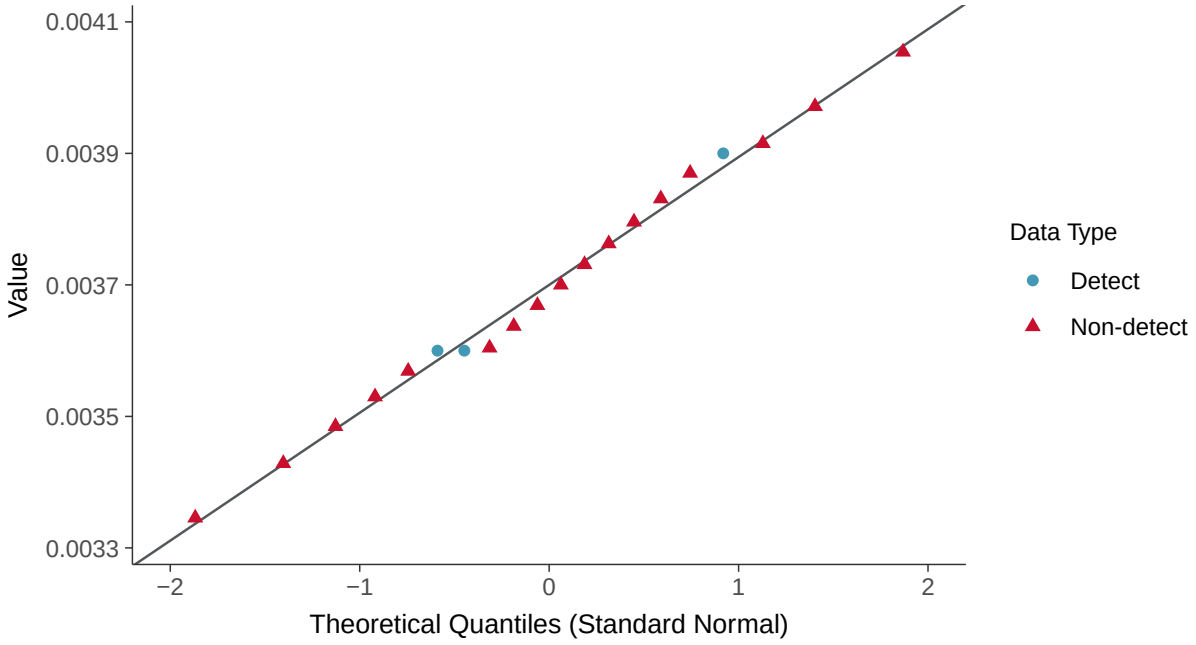
Boxplot by Season

Cobalt, MW-2 (mg/l)



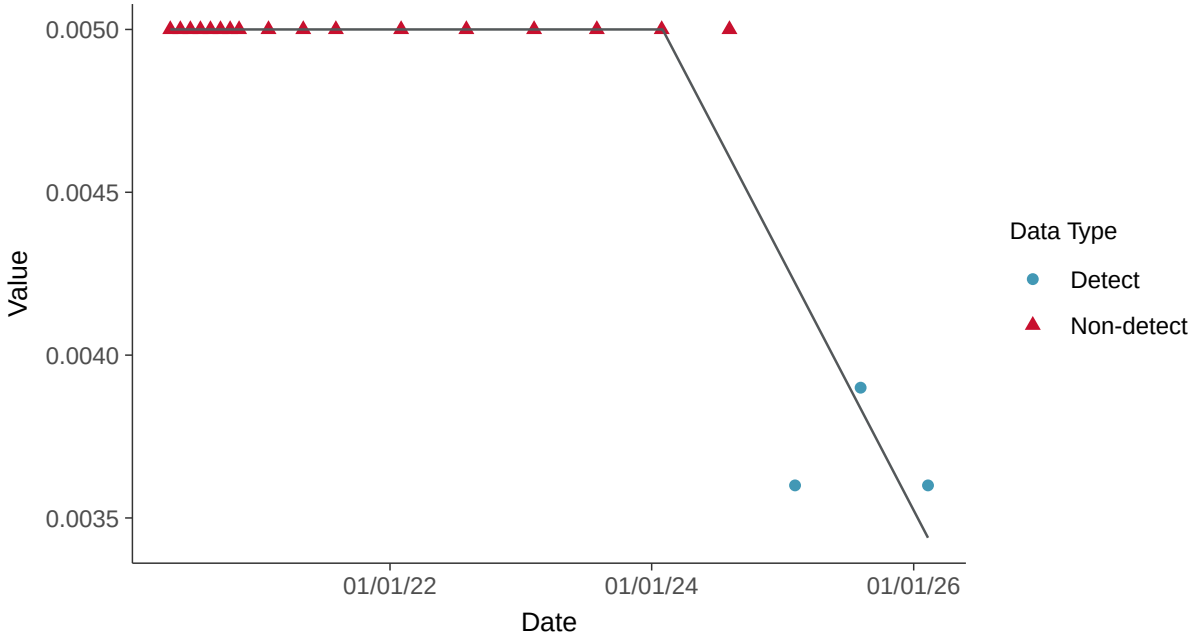
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-2 (mg/l)



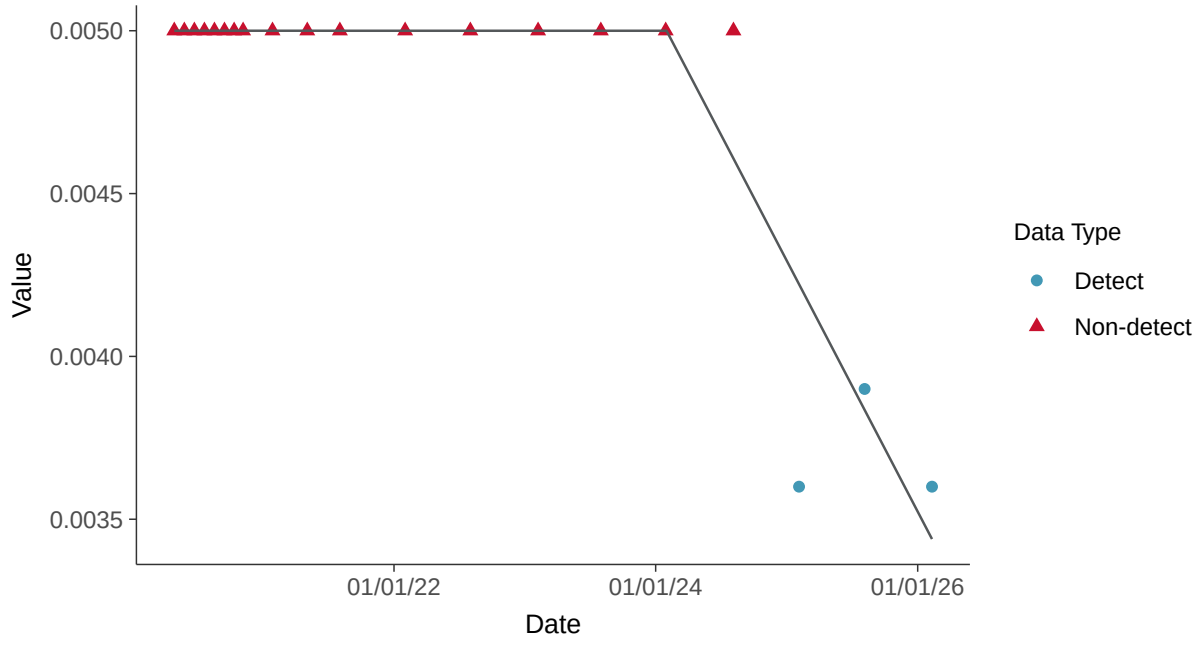
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-2 (mg/l)



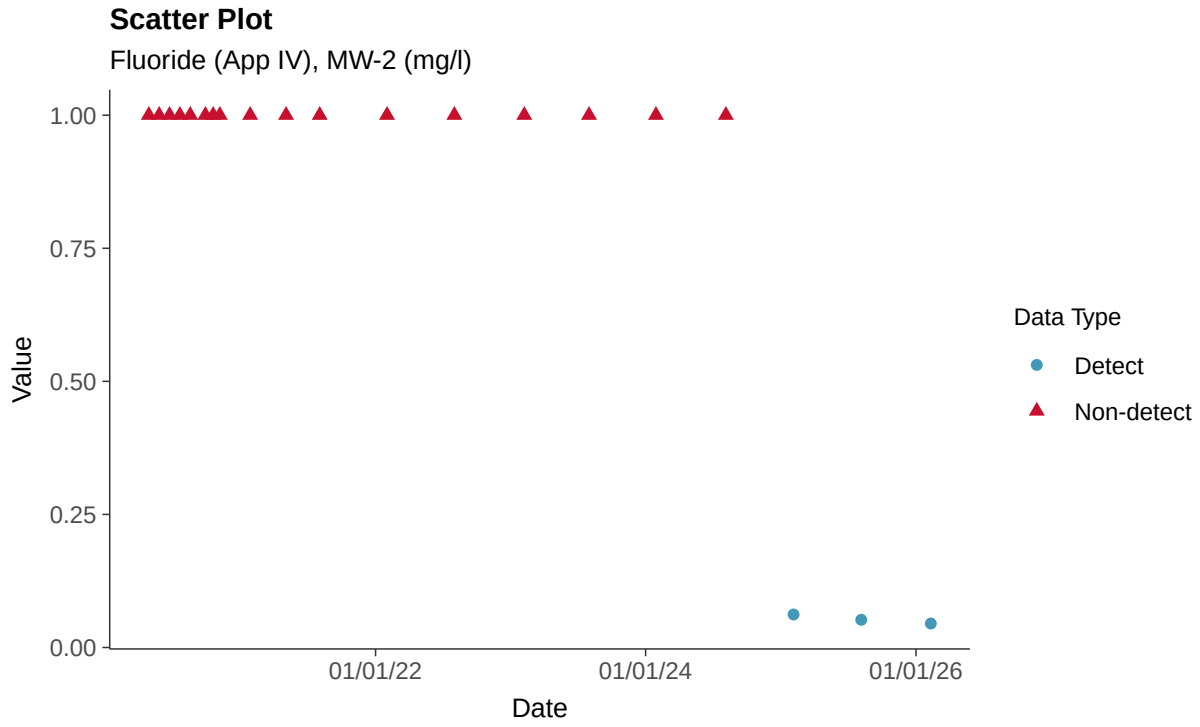
Trend Regression: Piecewise Linear-Linear-Linear

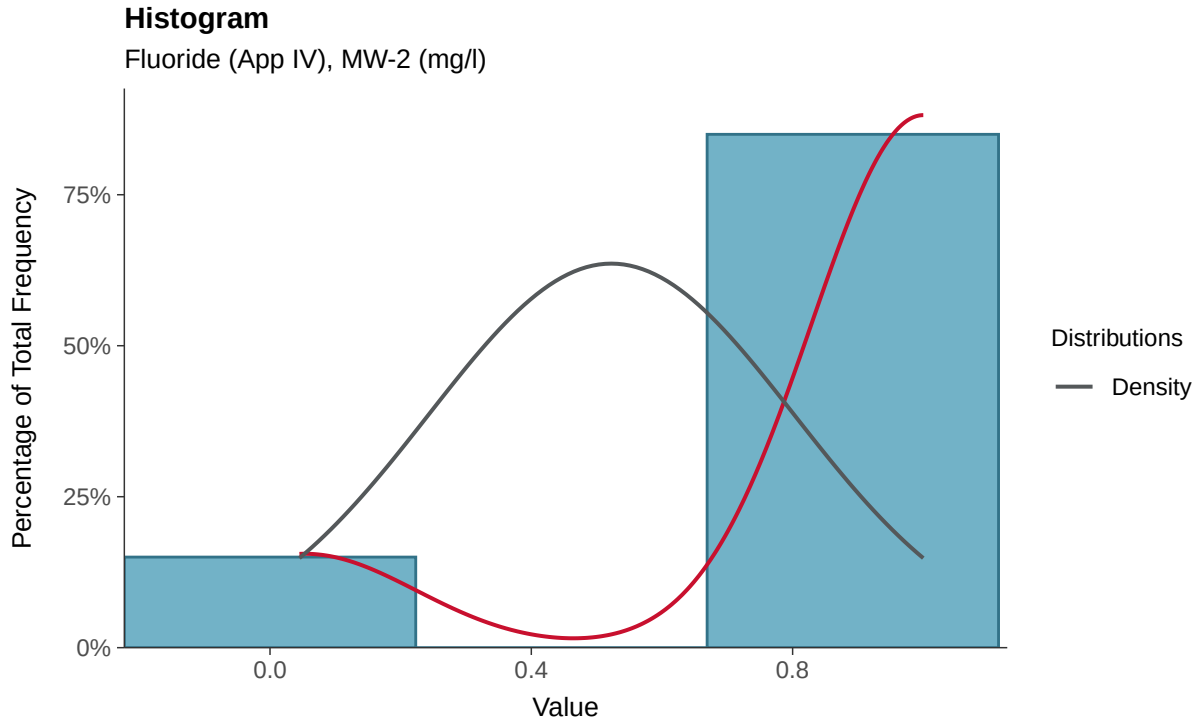
Cobalt, MW-2 (mg/l)



Appendix IV: Fluoride (App IV), MW-2

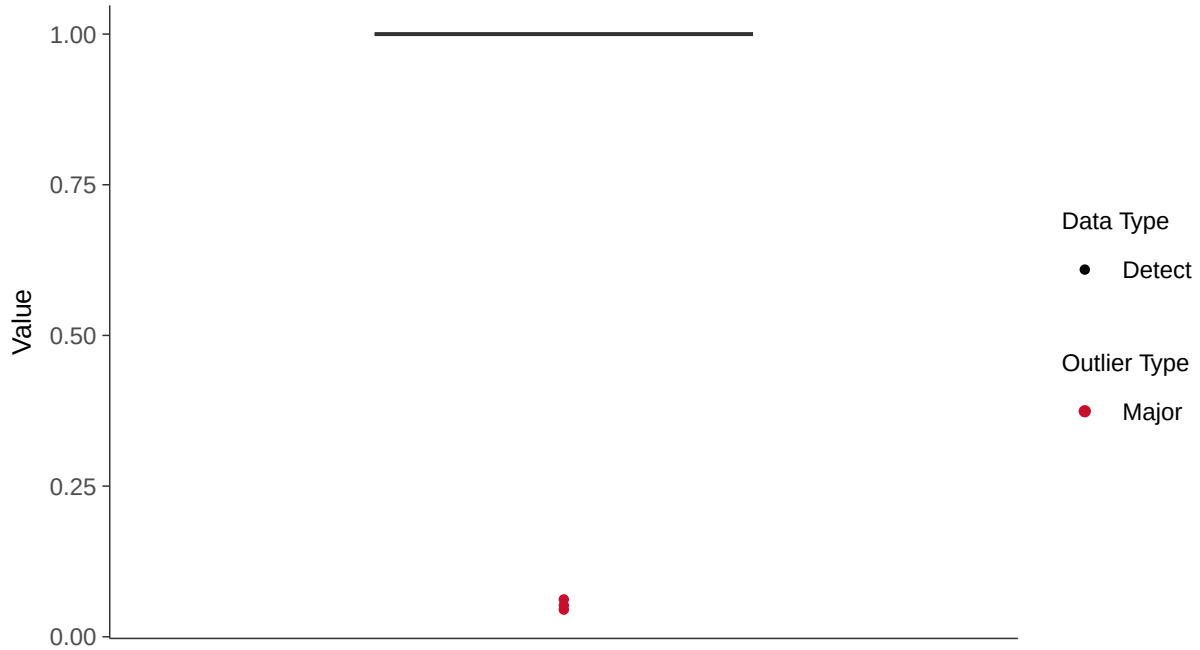
ID: 11_3_113





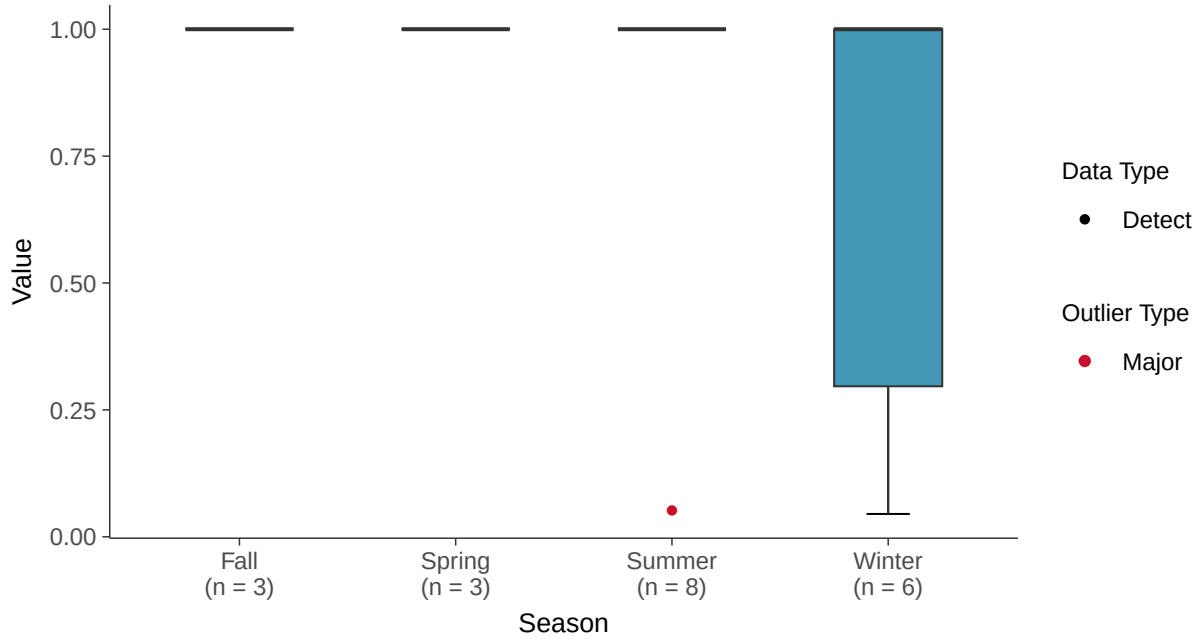
Boxplot

Fluoride (App IV), MW-2 (mg/l)



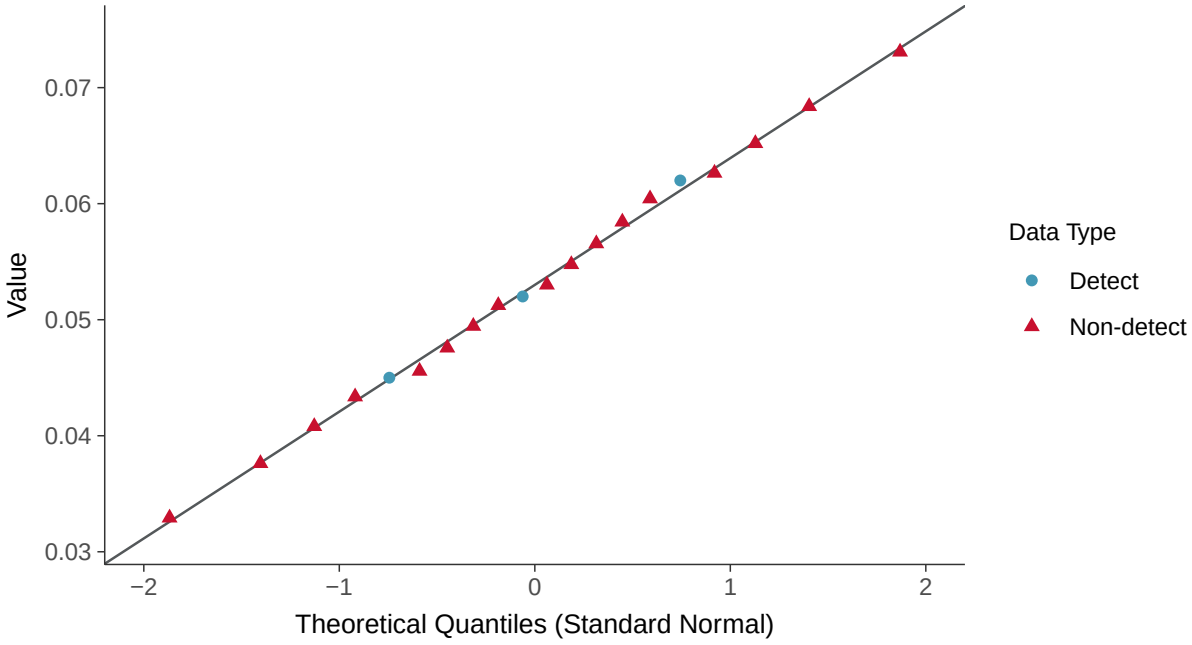
Boxplot by Season

Fluoride (App IV), MW-2 (mg/l)



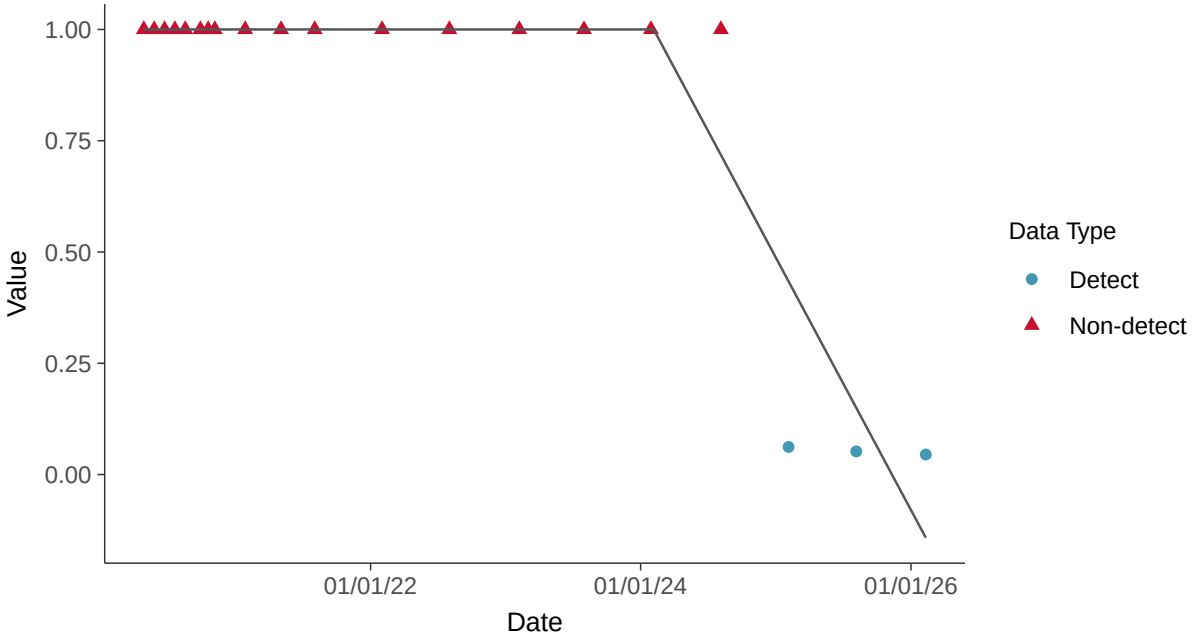
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-2 (mg/l)



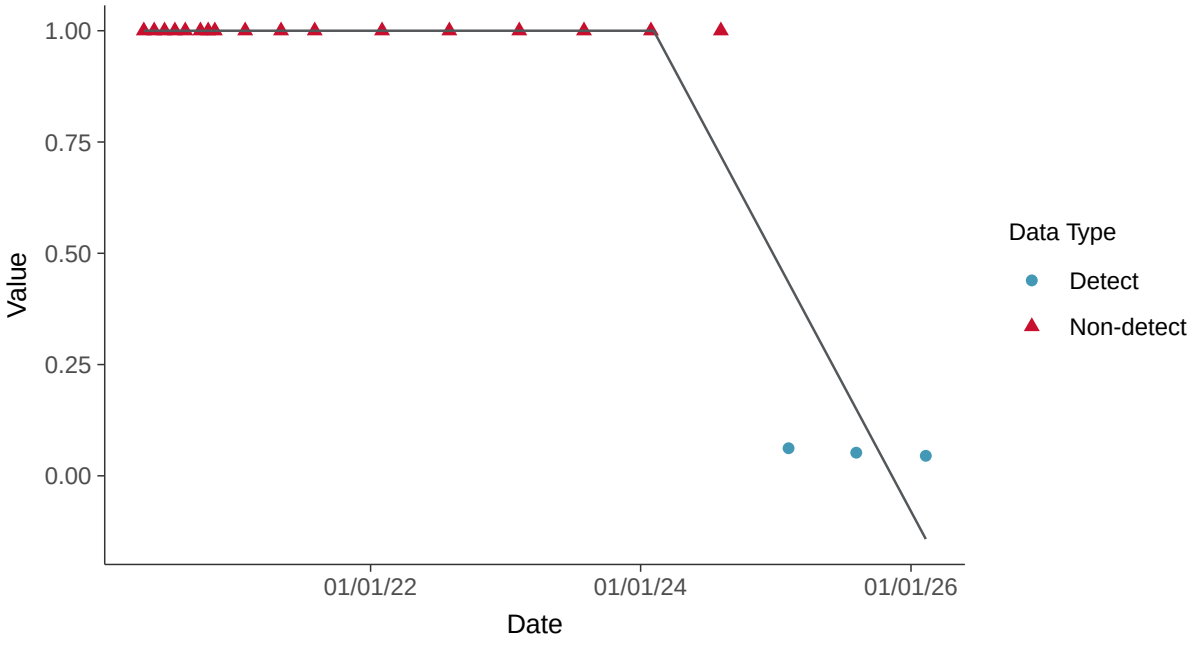
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-2 (mg/l)



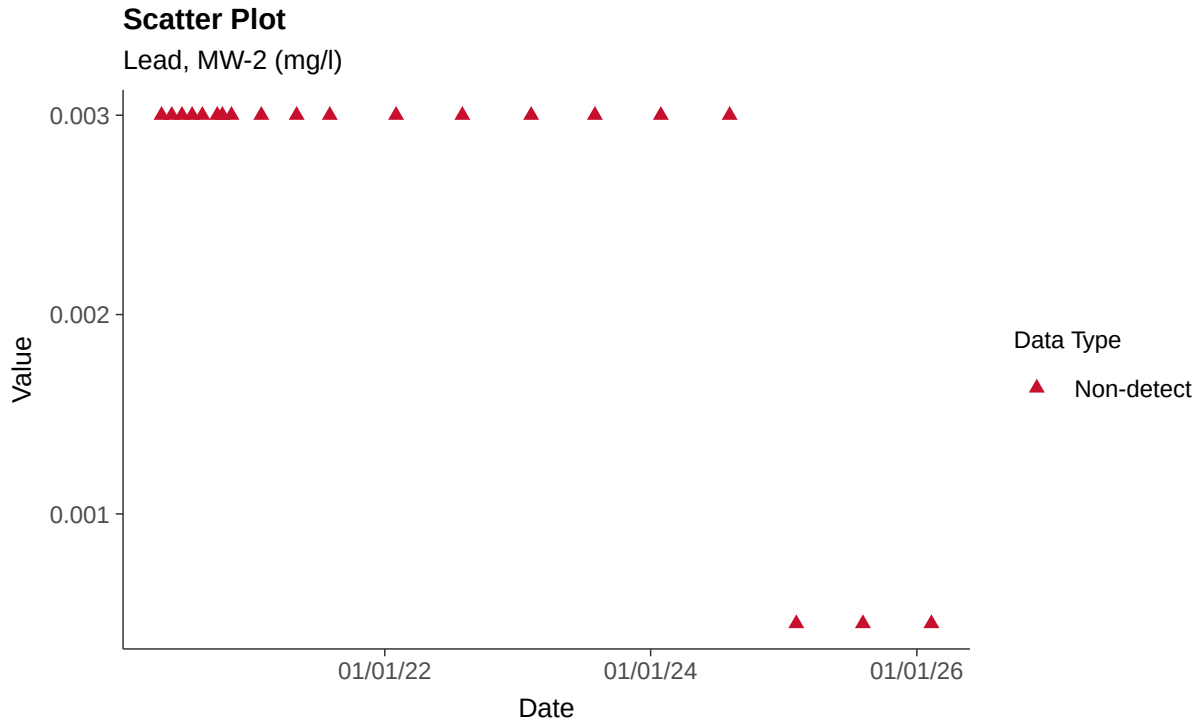
Trend Regression: Piecewise Linear-Linear-Linear

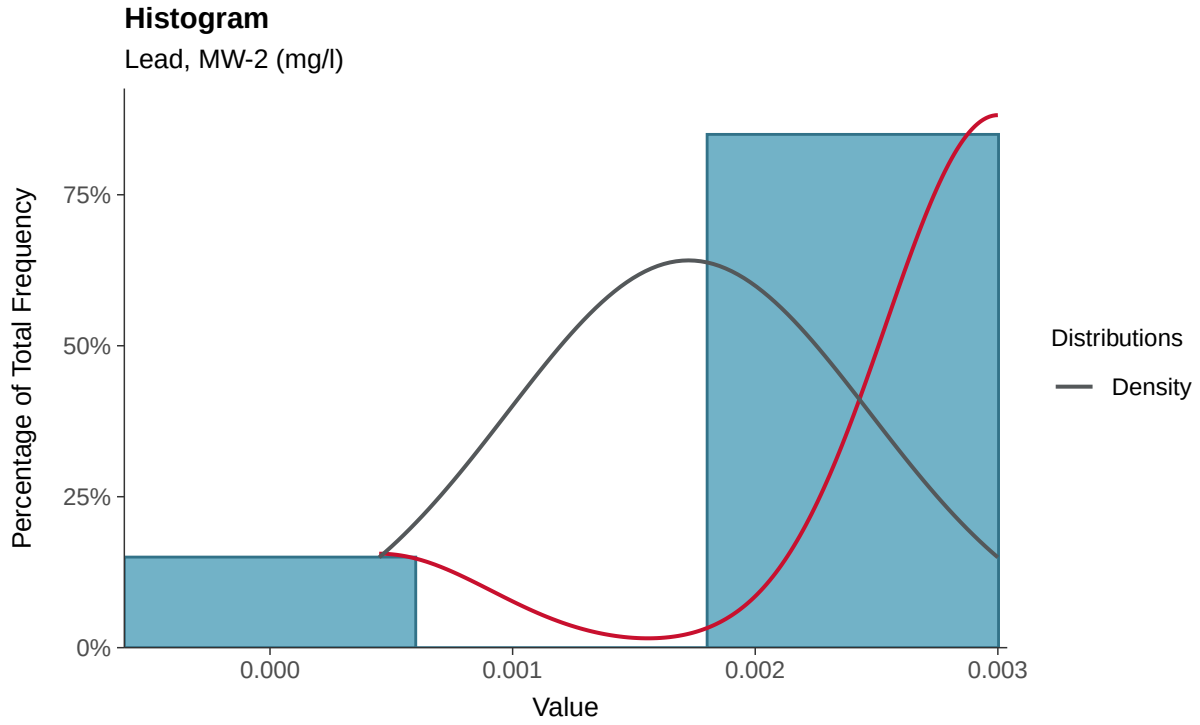
Fluoride (App IV), MW-2 (mg/l)



Appendix IV: Lead, MW-2

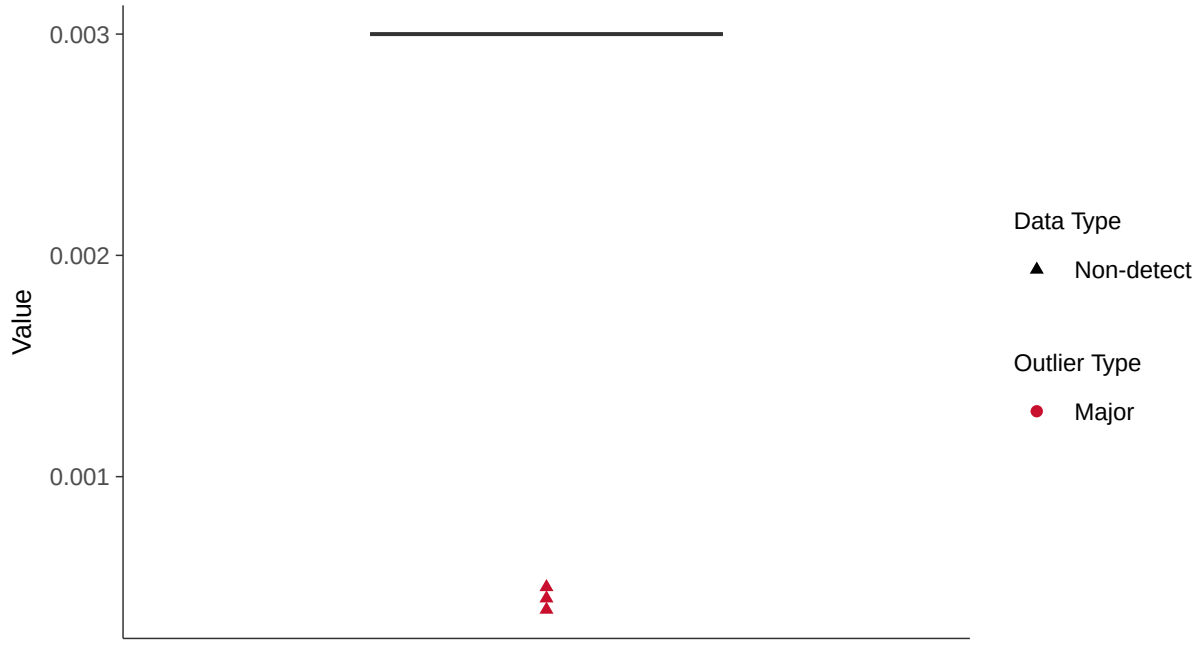
ID: 11_3_115





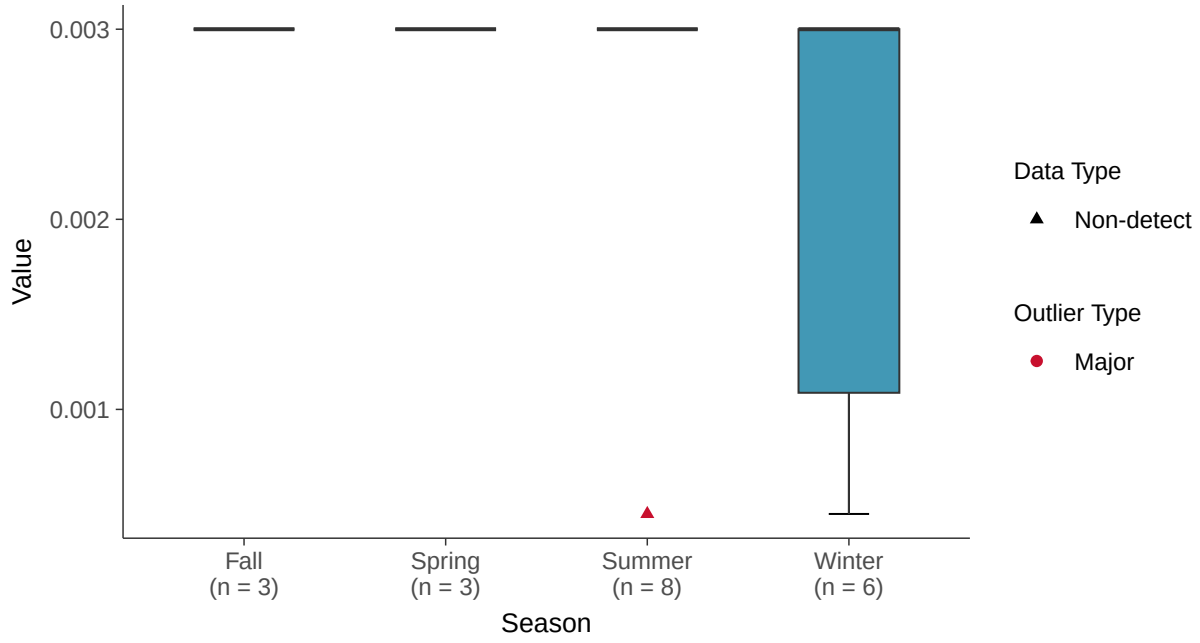
Boxplot

Lead, MW-2 (mg/l)



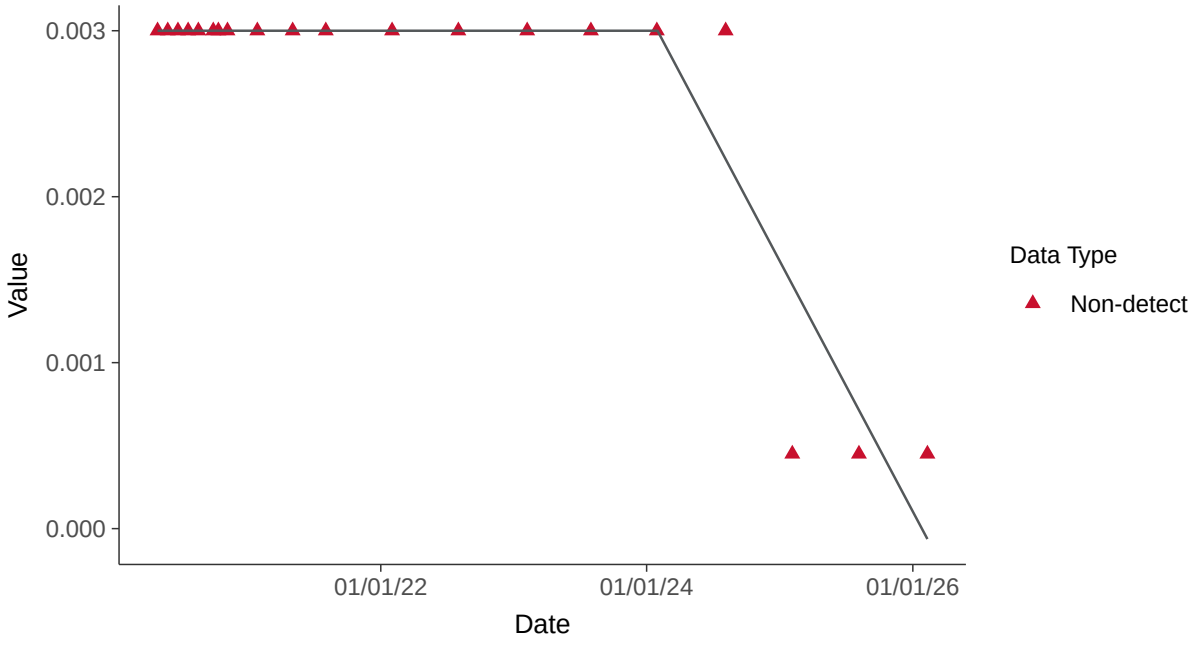
Boxplot by Season

Lead, MW-2 (mg/l)



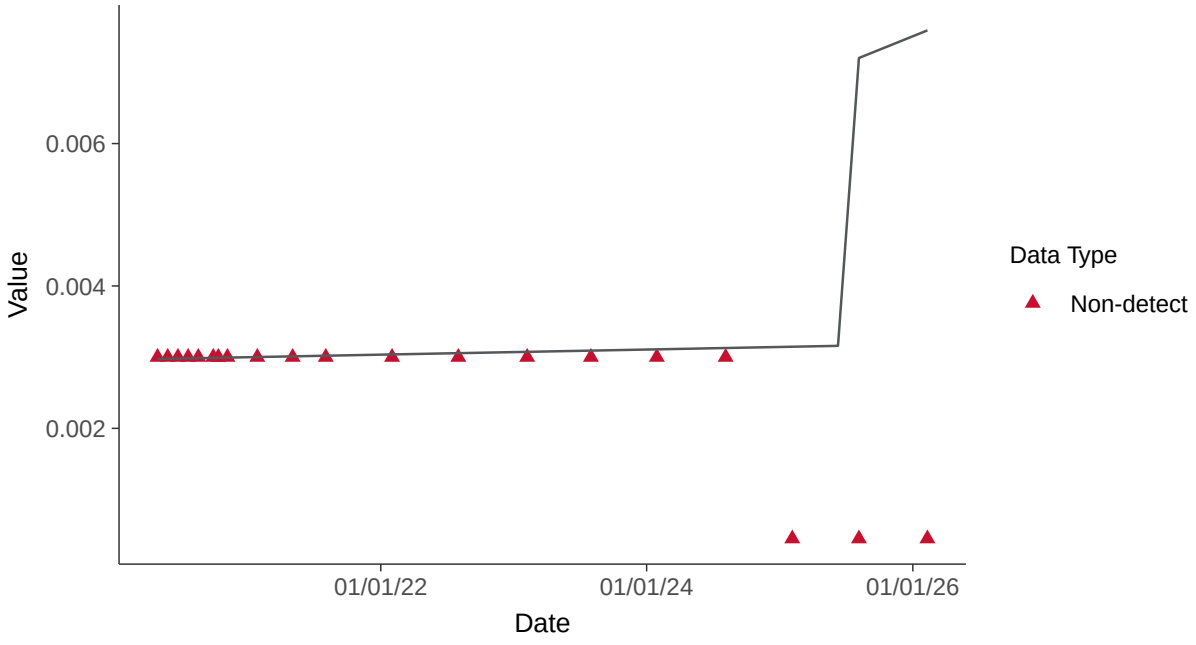
Trend Regression: Piecewise Linear-Linear

Lead, MW-2 (mg/l)



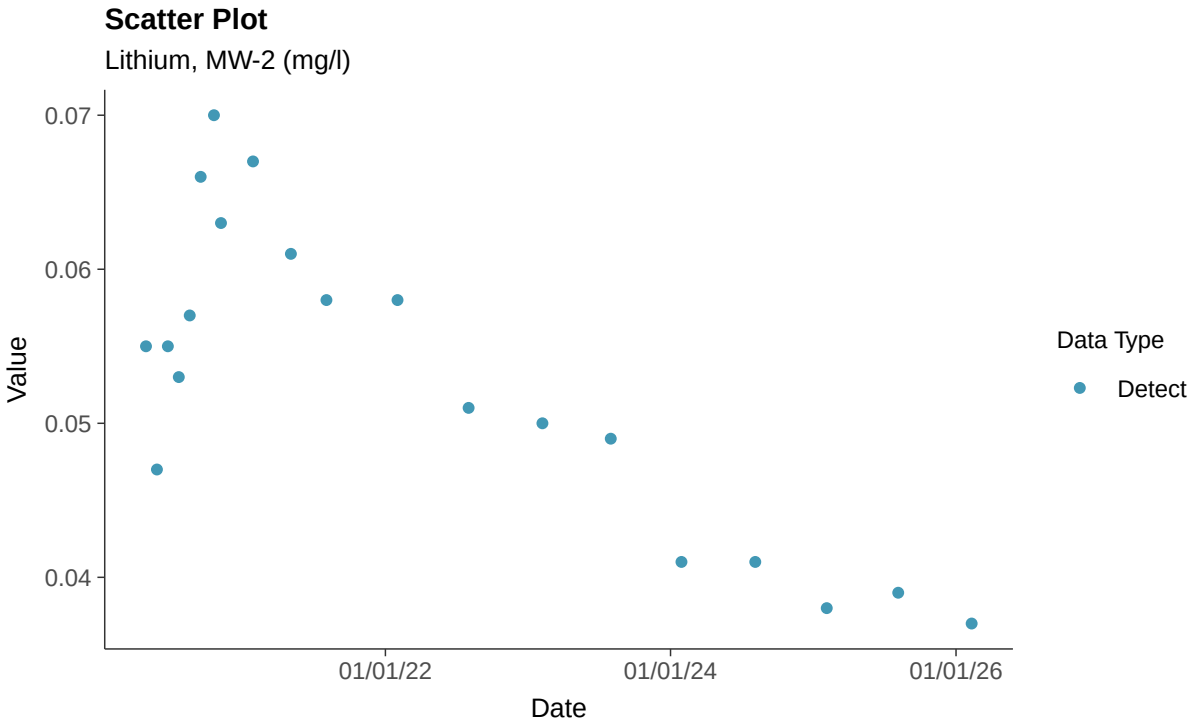
Trend Regression: Piecewise Linear-Linear-Linear

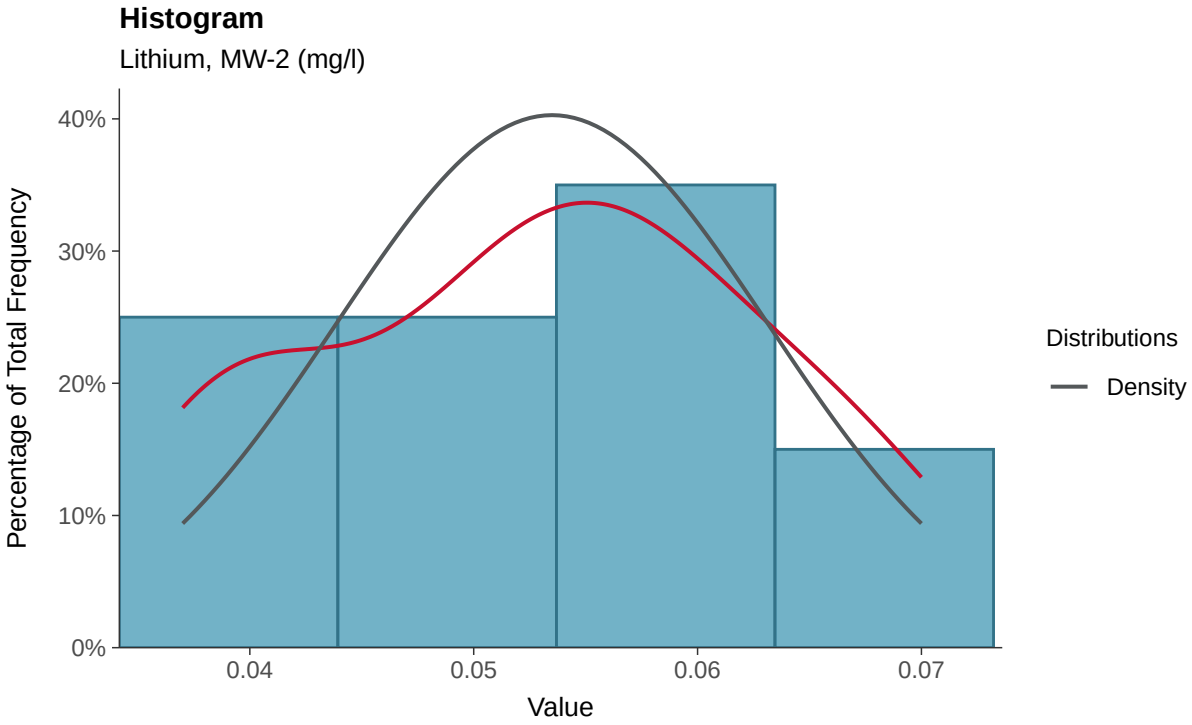
Lead, MW-2 (mg/l)



Appendix IV: Lithium, MW-2

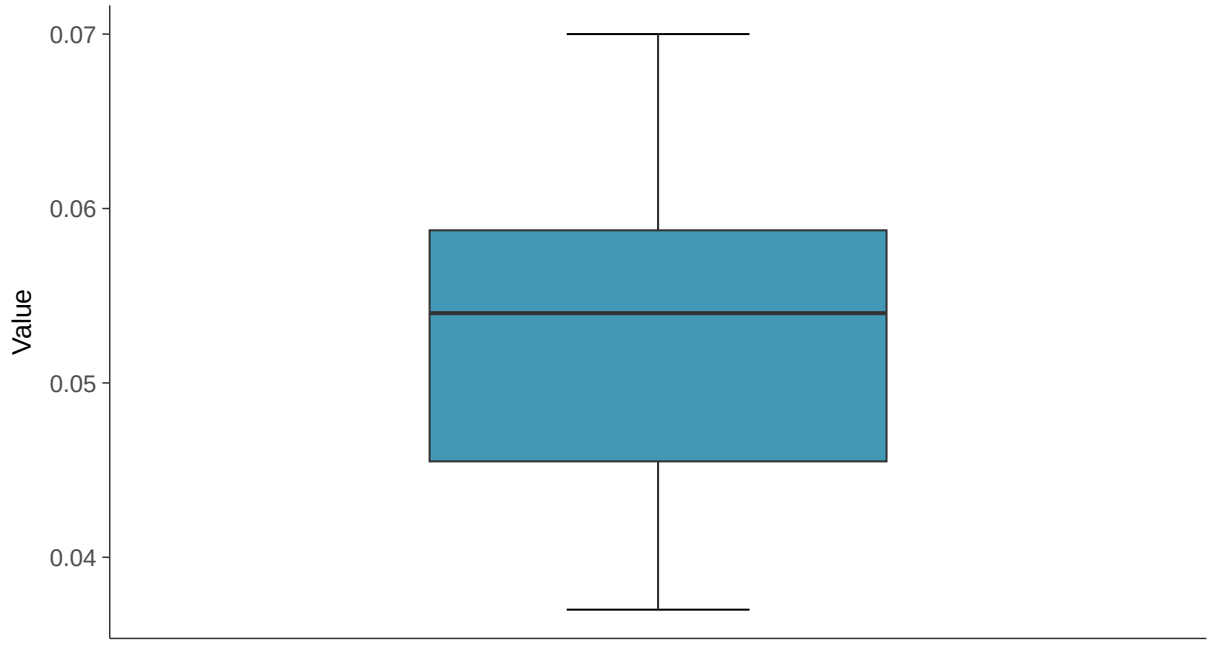
ID: 11_3_116





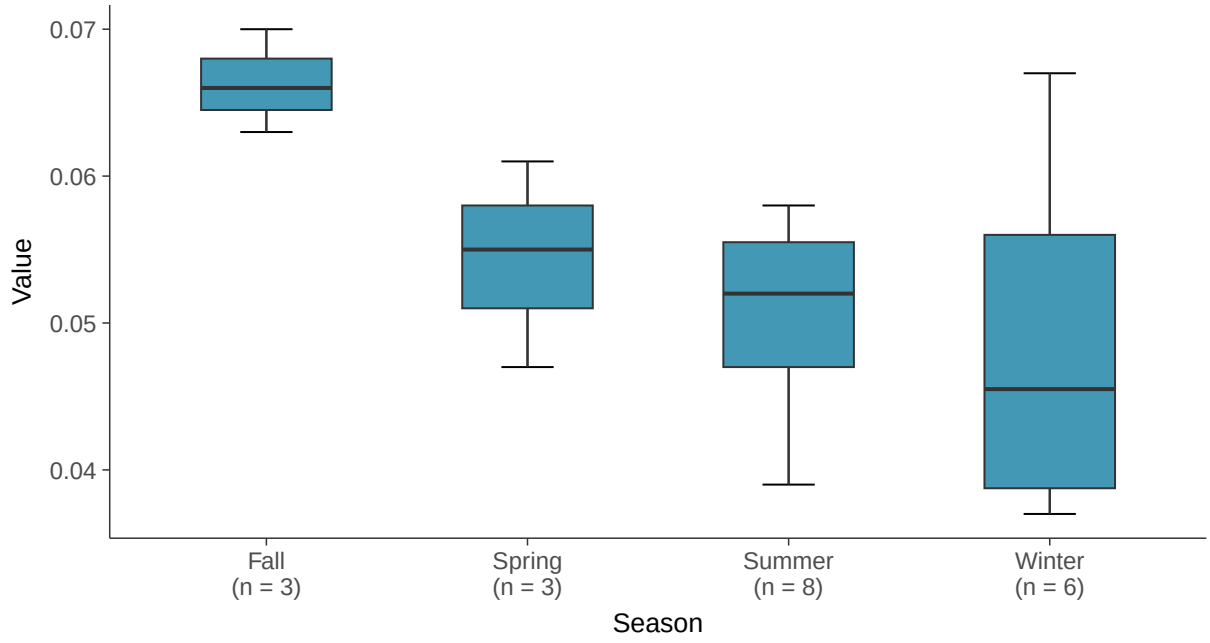
Boxplot

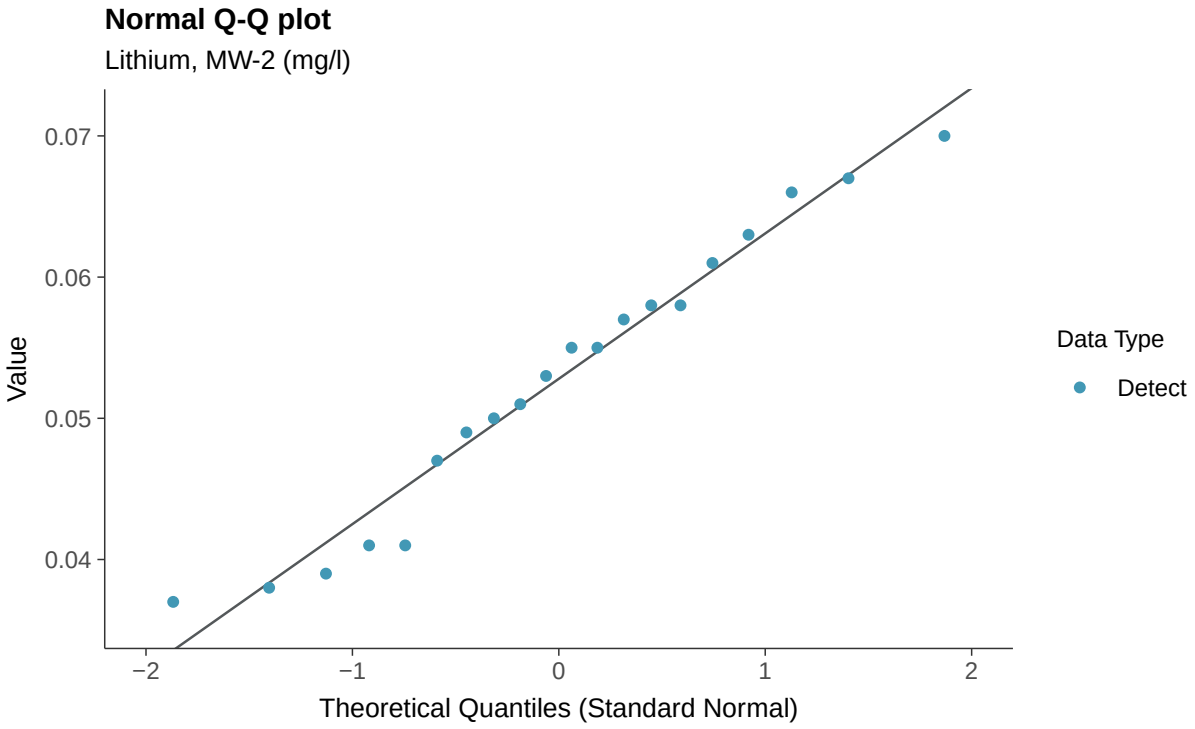
Lithium, MW-2 (mg/l)

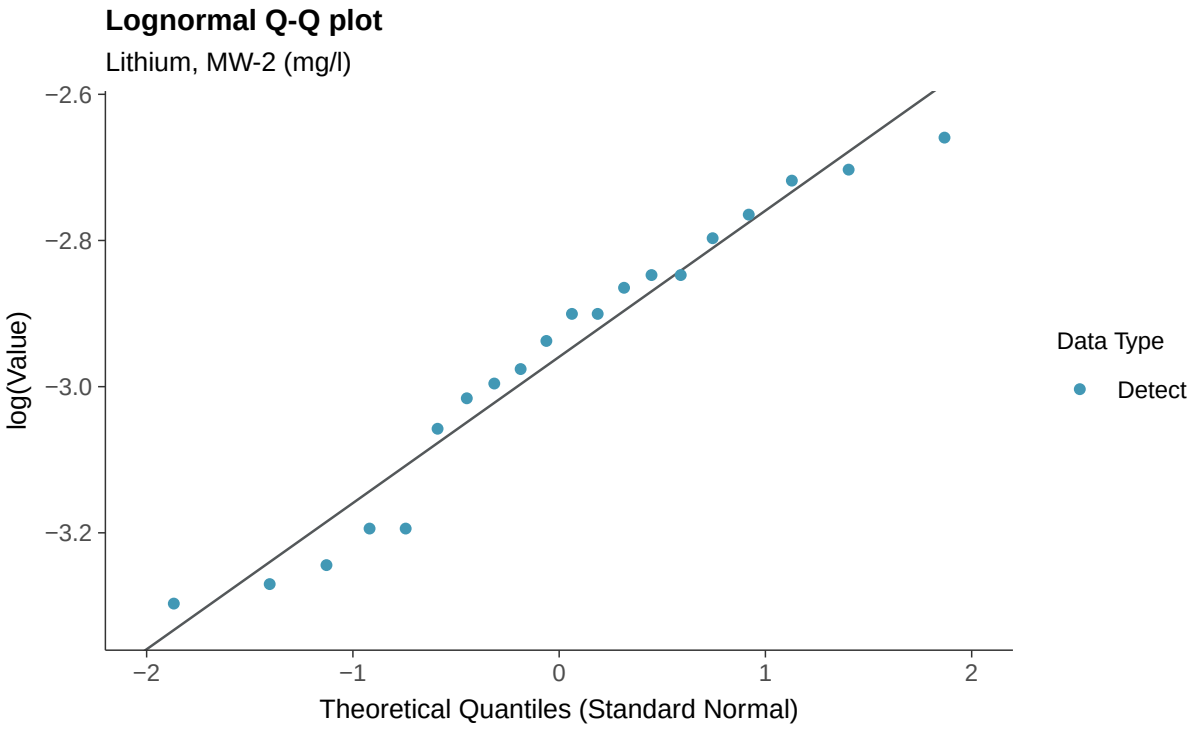


Boxplot by Season

Lithium, MW-2 (mg/l)

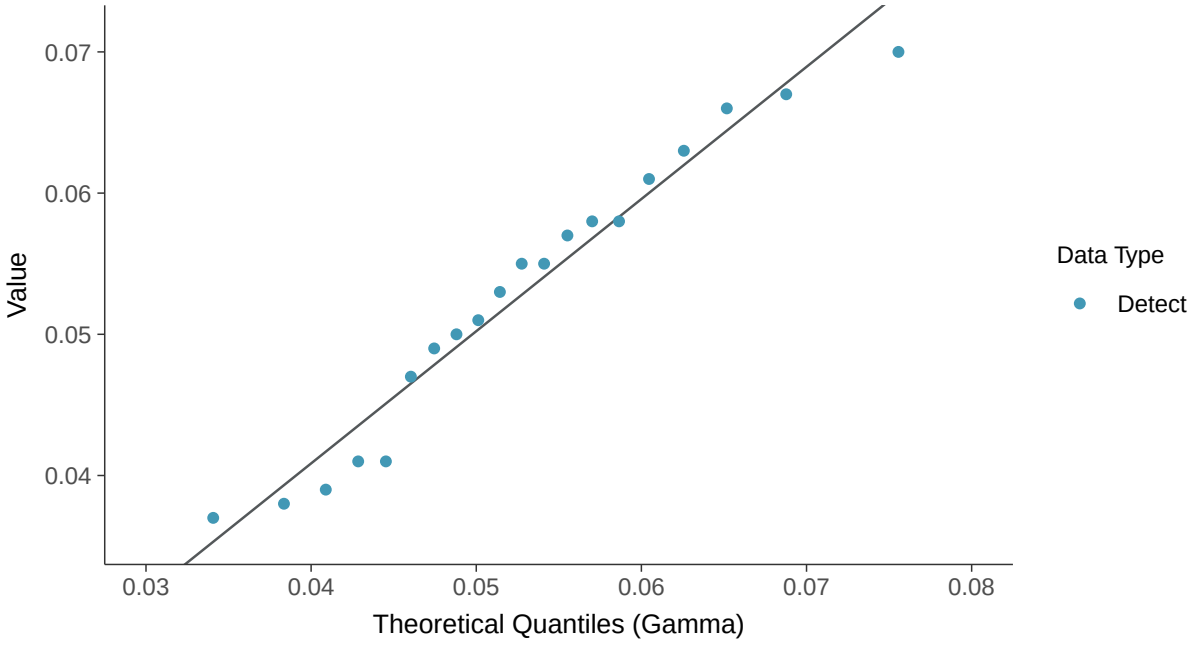



Normal Q-Q plot
Lithium, MW-2 (mg/l)
Value
0.07
0.06
0.05
0.04
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Lithium, MW-2 (mg/l)
log(Value)
−2.6
−2.8
−3.0
−3.2
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

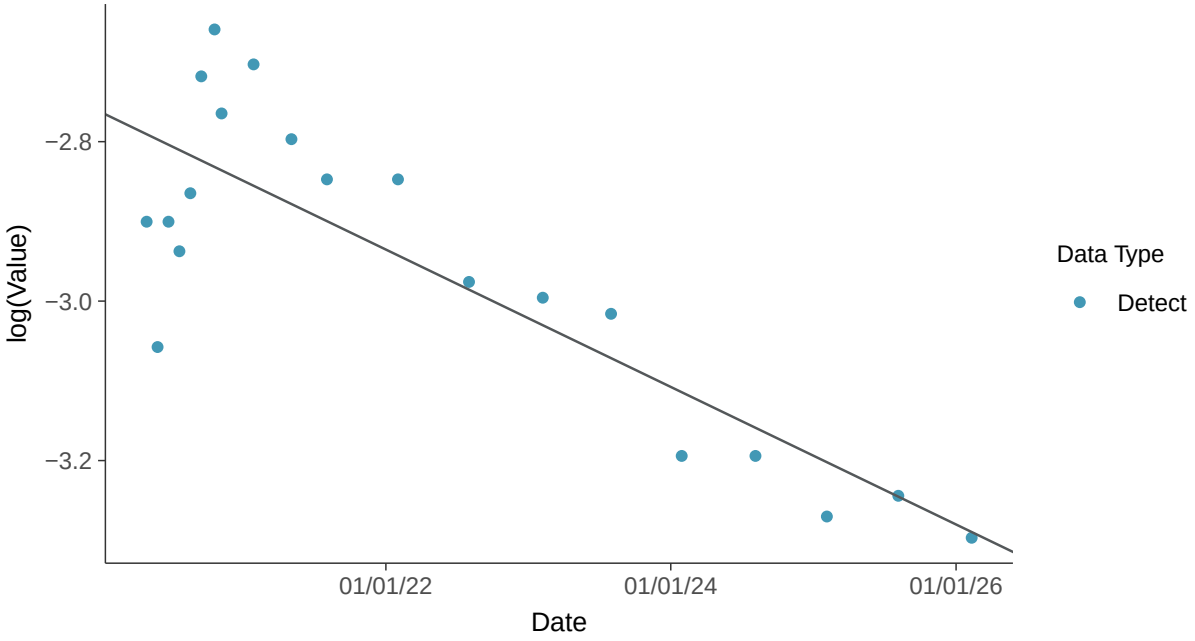
Gamma Q-Q plot

Lithium, MW-2 (mg/l)



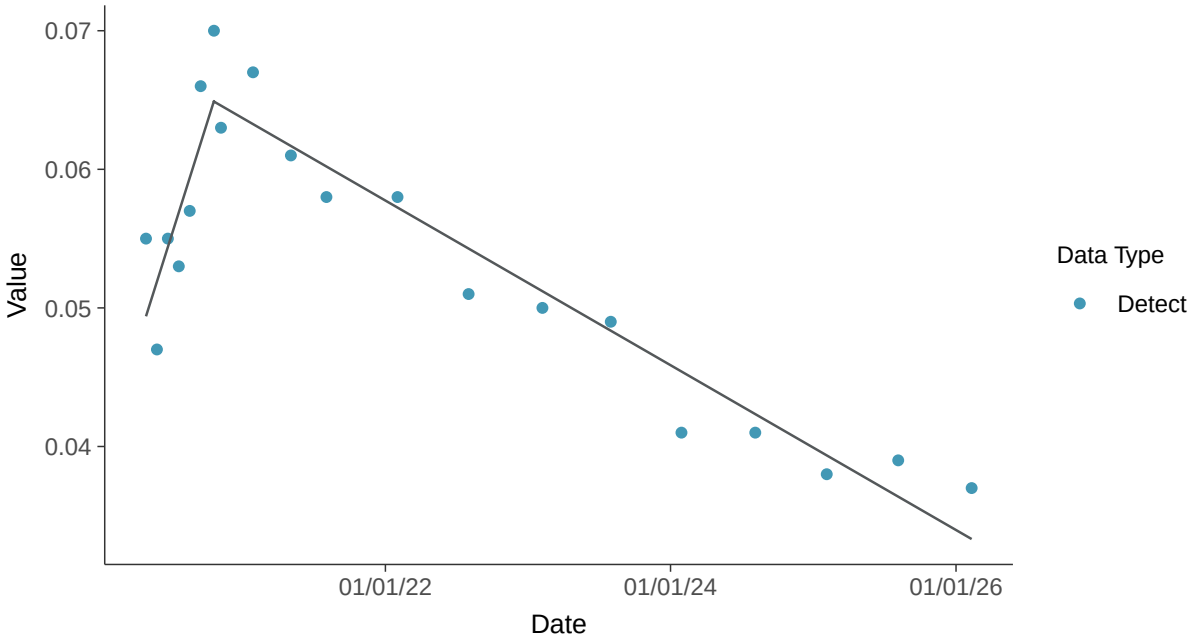
Trend Regression: Lognormal MLE

Lithium, MW-2 (mg/l)



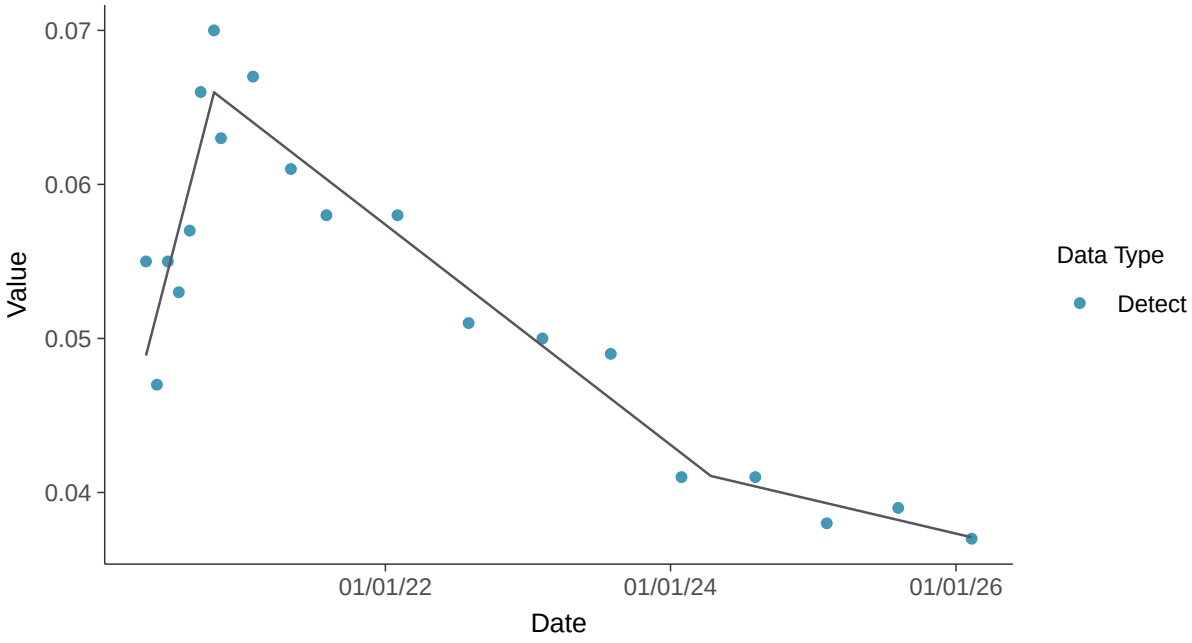
Trend Regression: Piecewise Linear-Linear

Lithium, MW-2 (mg/l)



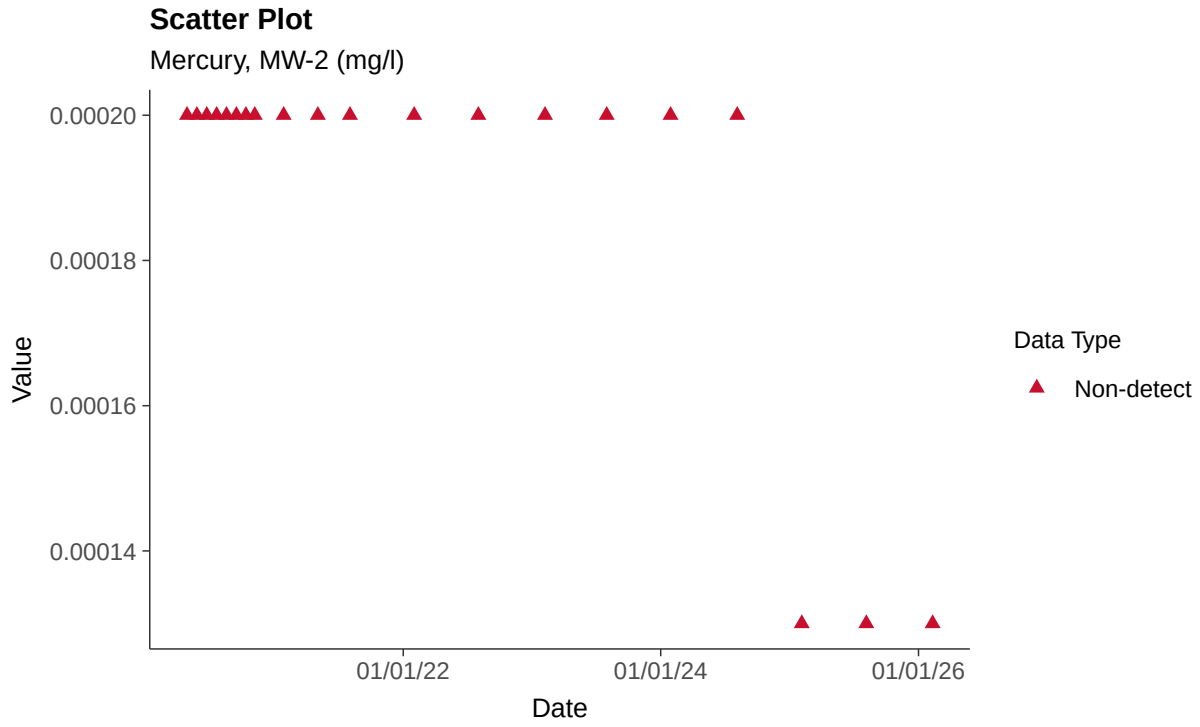
Trend Regression: Piecewise Linear-Linear-Linear

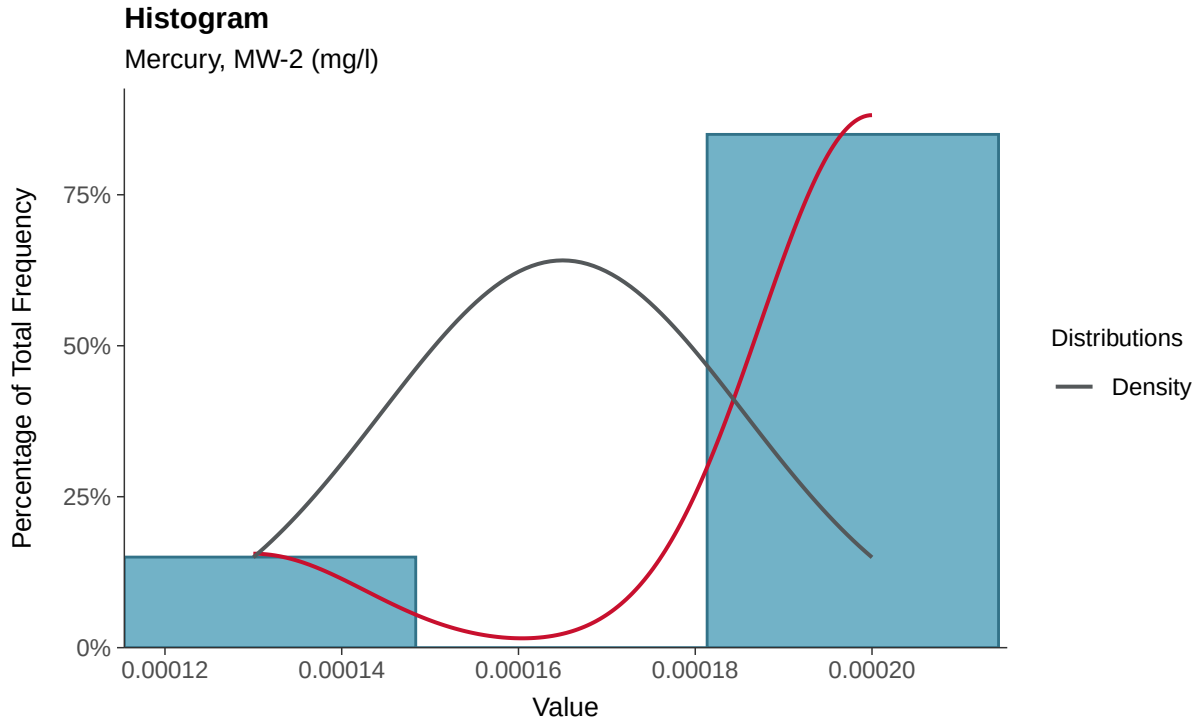
Lithium, MW-2 (mg/l)



Appendix IV: Mercury, MW-2

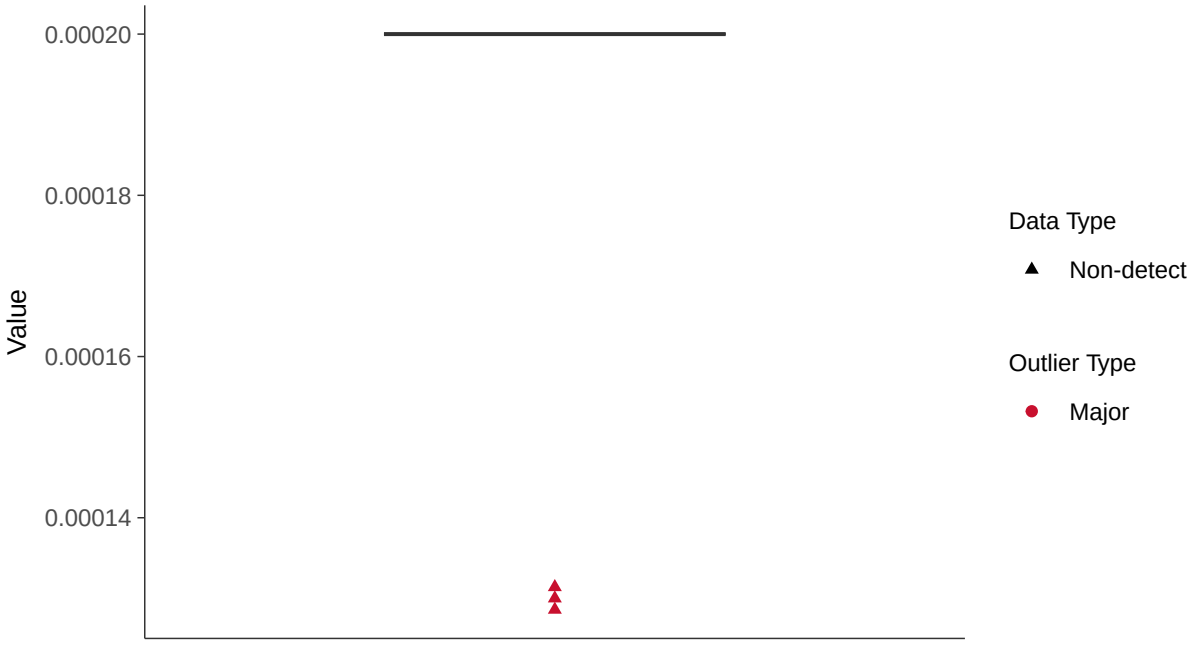
ID: 11_3_117





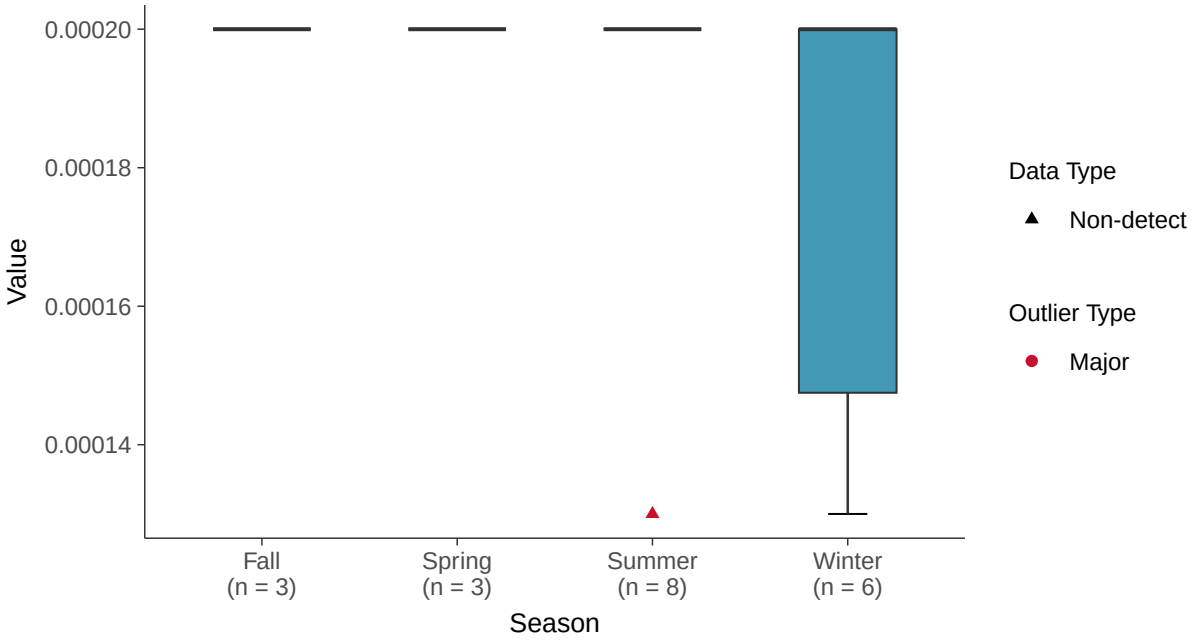
Boxplot

Mercury, MW-2 (mg/l)



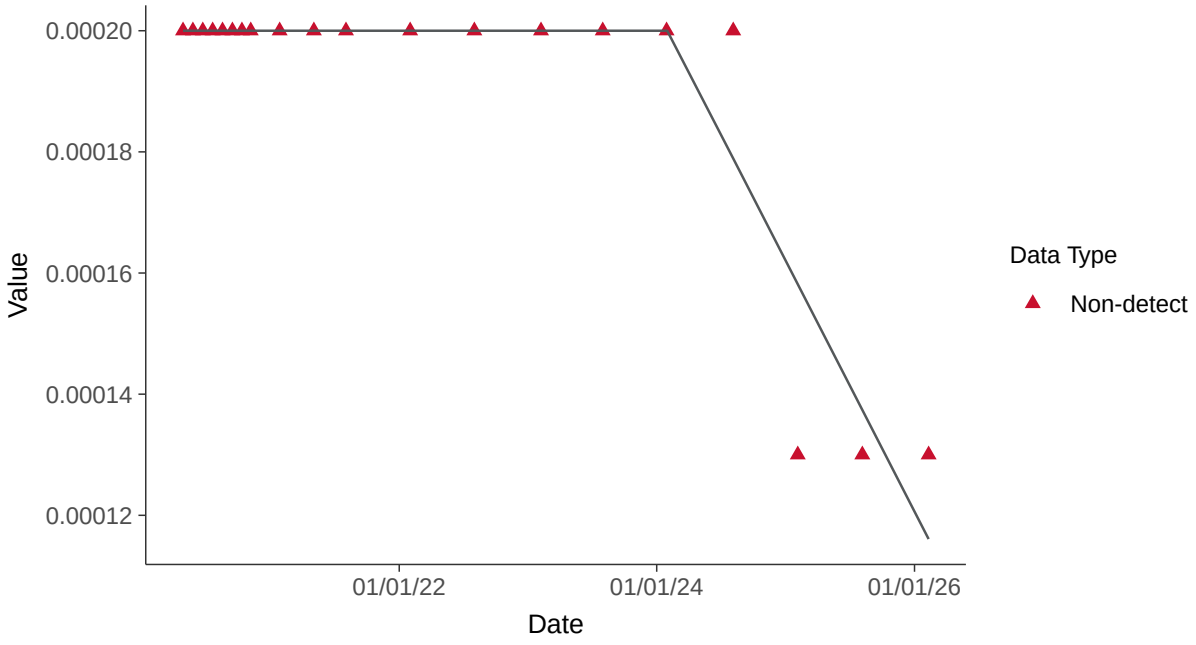
Boxplot by Season

Mercury, MW-2 (mg/l)



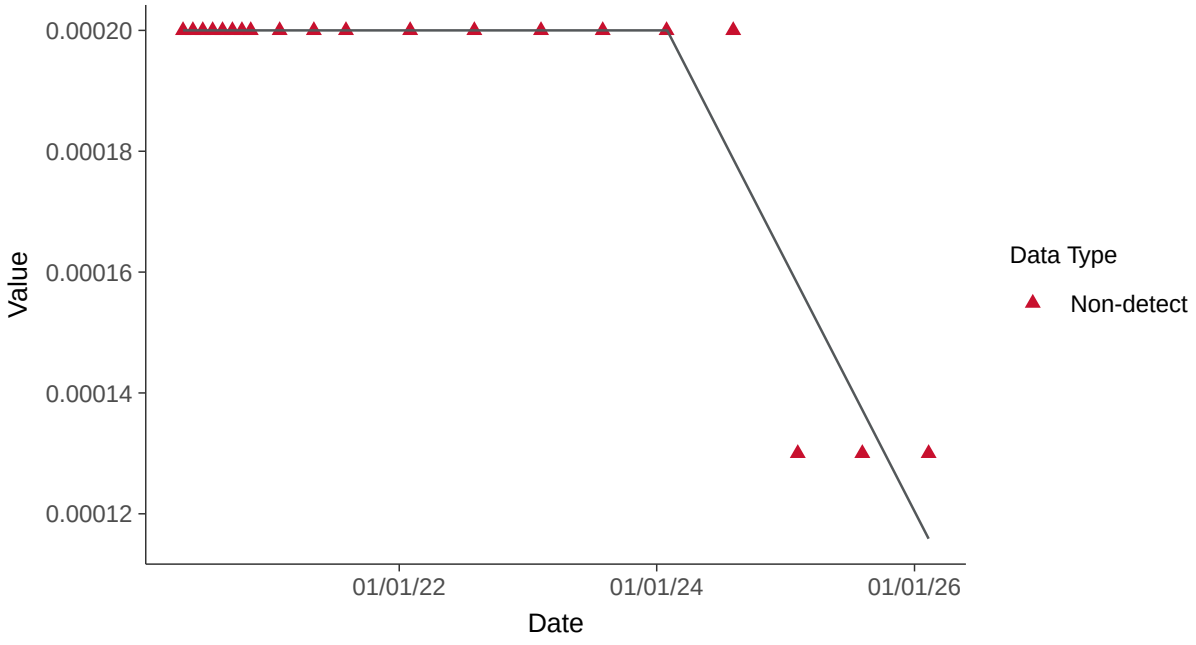
Trend Regression: Piecewise Linear-Linear

Mercury, MW-2 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Mercury, MW-2 (mg/l)

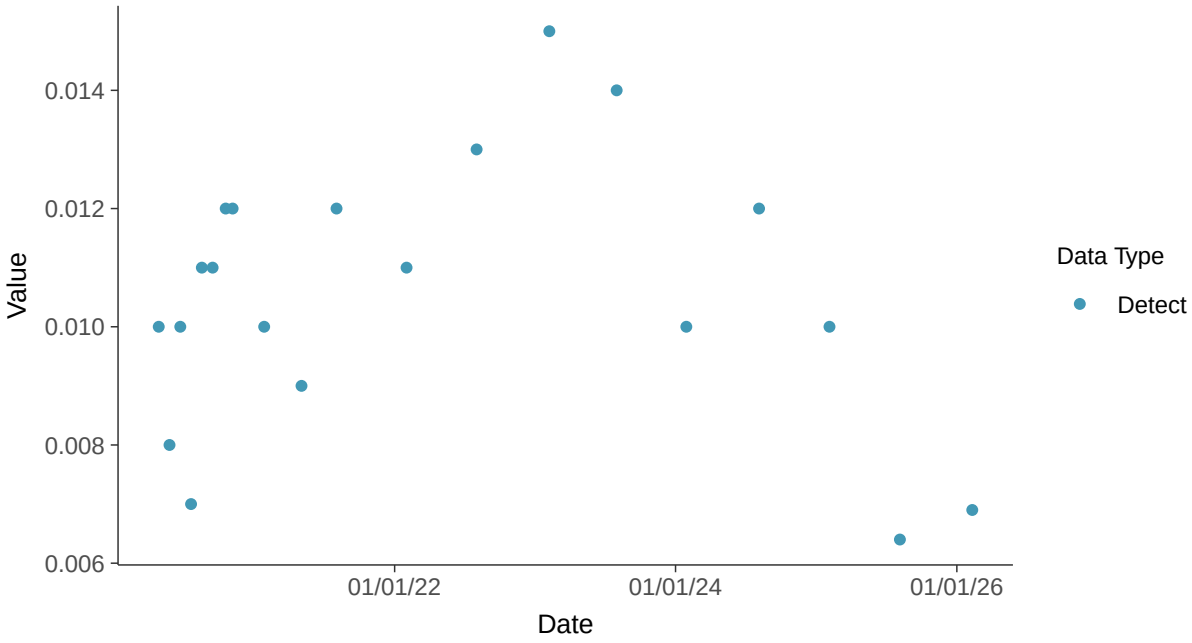


Appendix IV: Molybdenum, MW-2

ID: 11_3_118

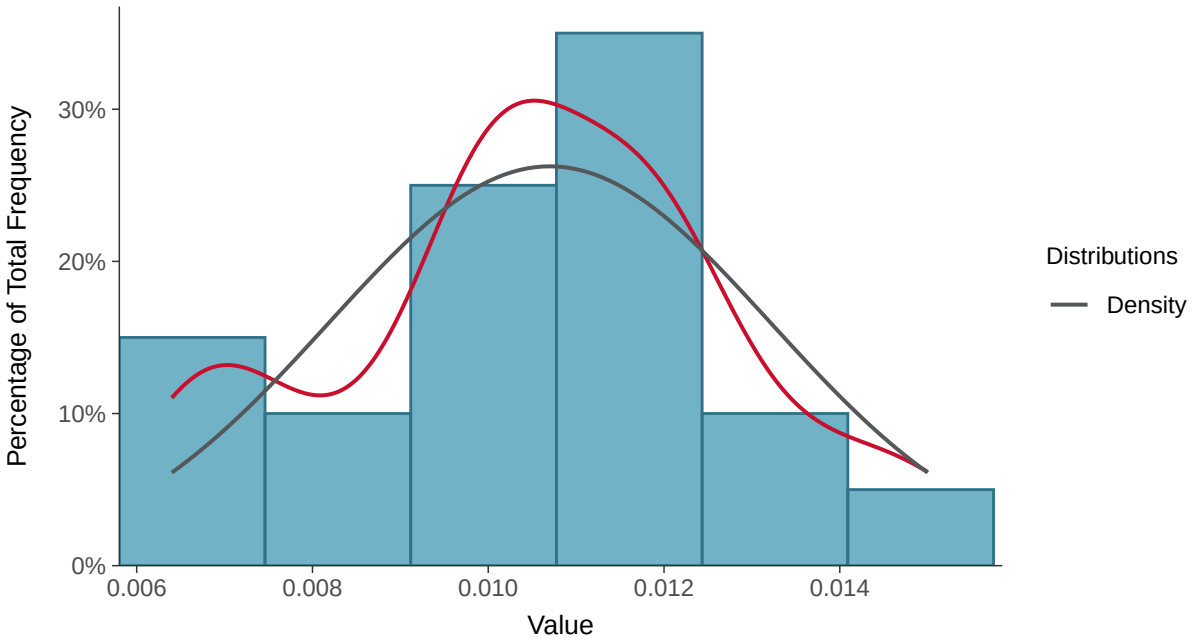
Scatter Plot

Molybdenum, MW-2 (mg/l)



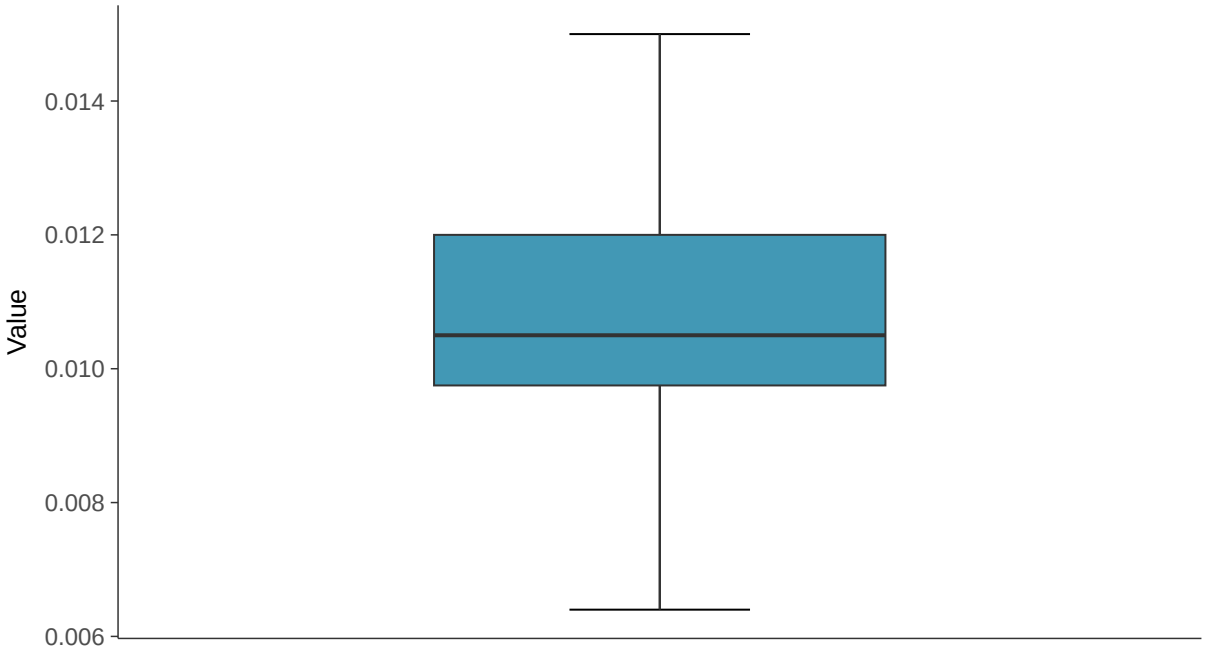
Histogram

Molybdenum, MW-2 (mg/l)



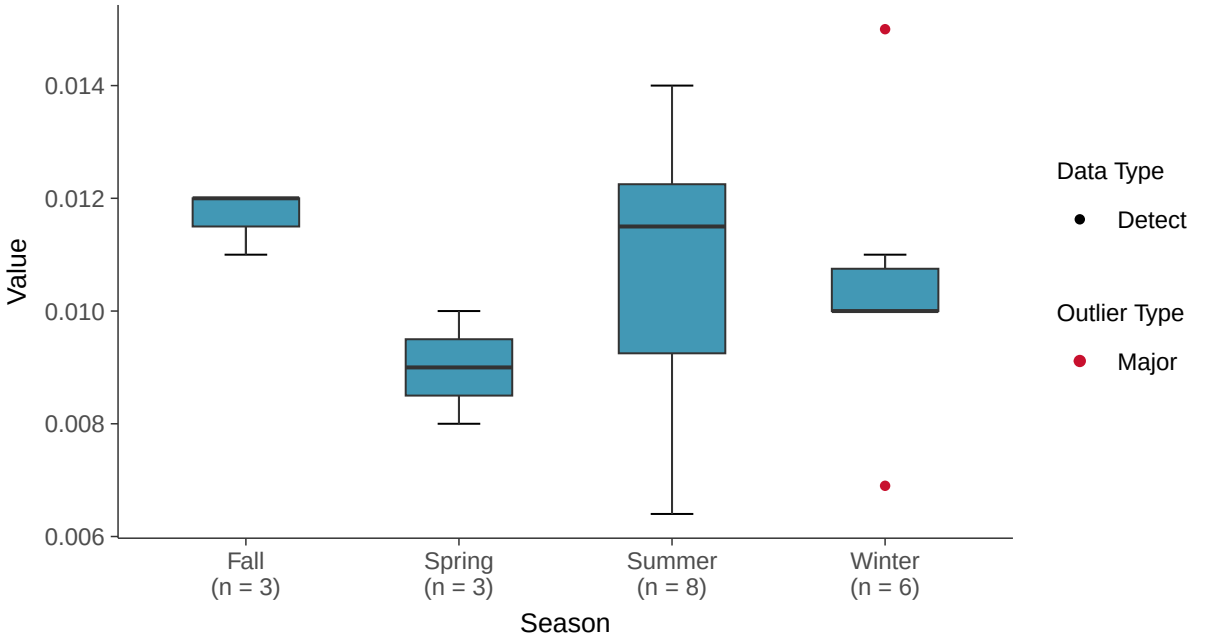
Boxplot

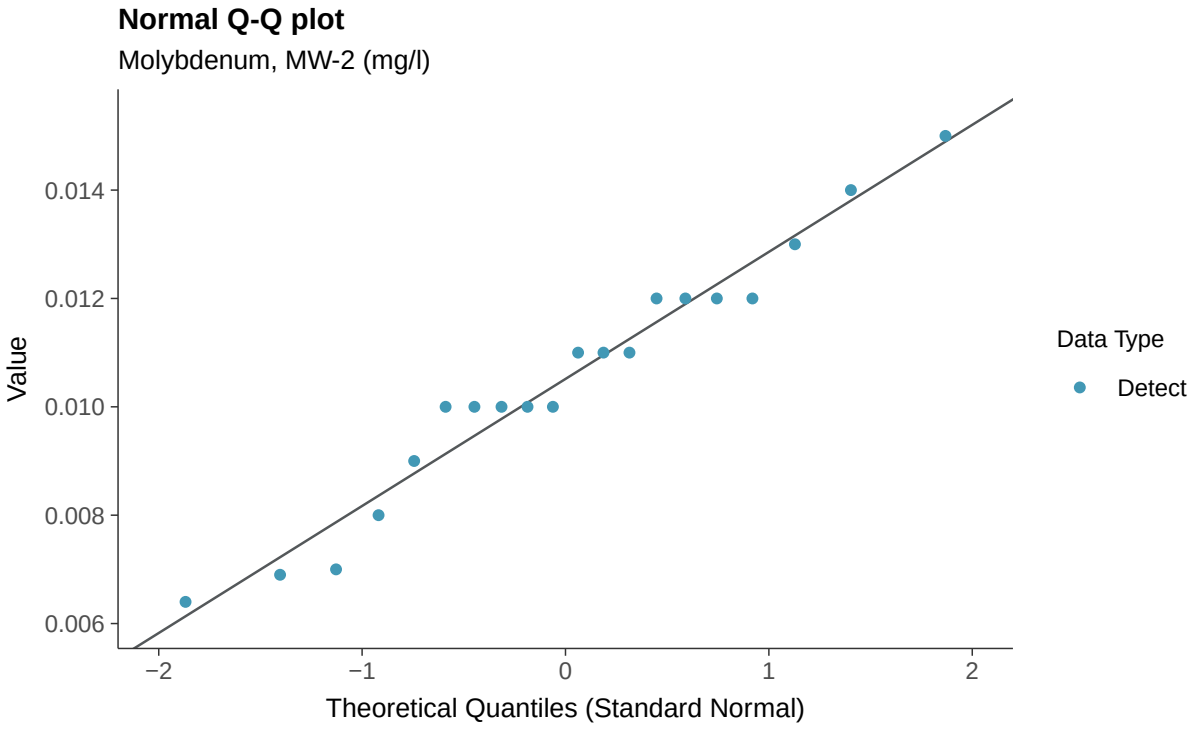
Molybdenum, MW-2 (mg/l)

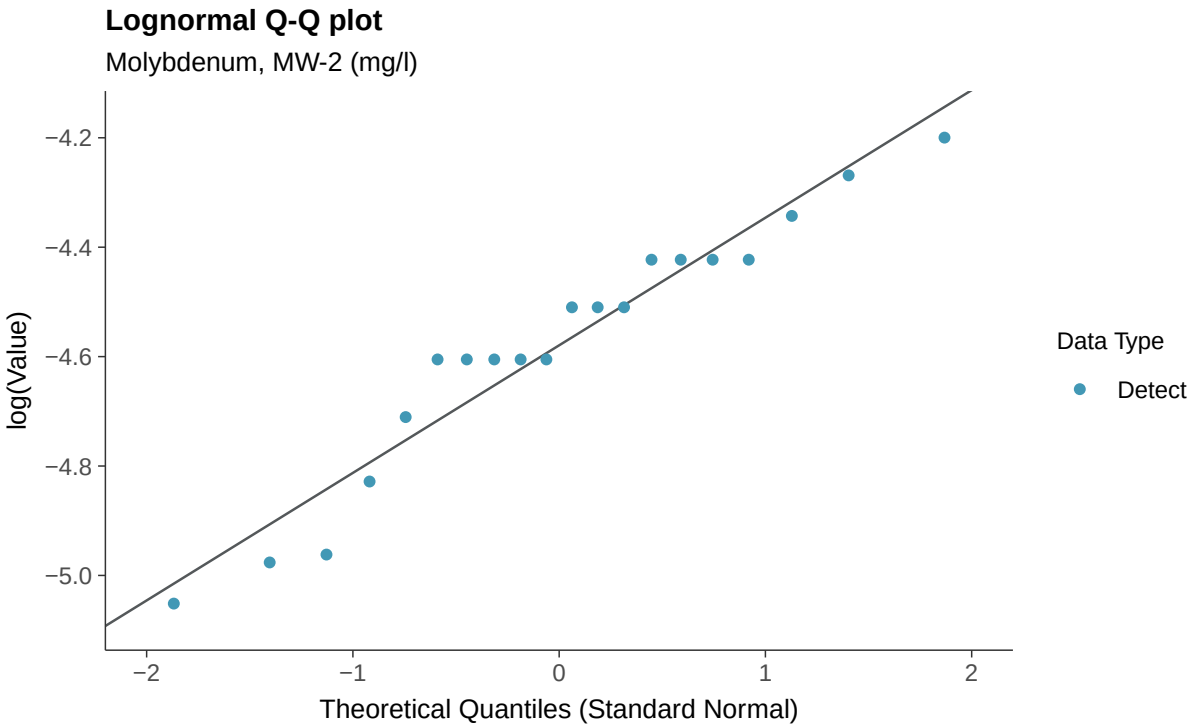


Boxplot by Season

Molybdenum, MW-2 (mg/l)

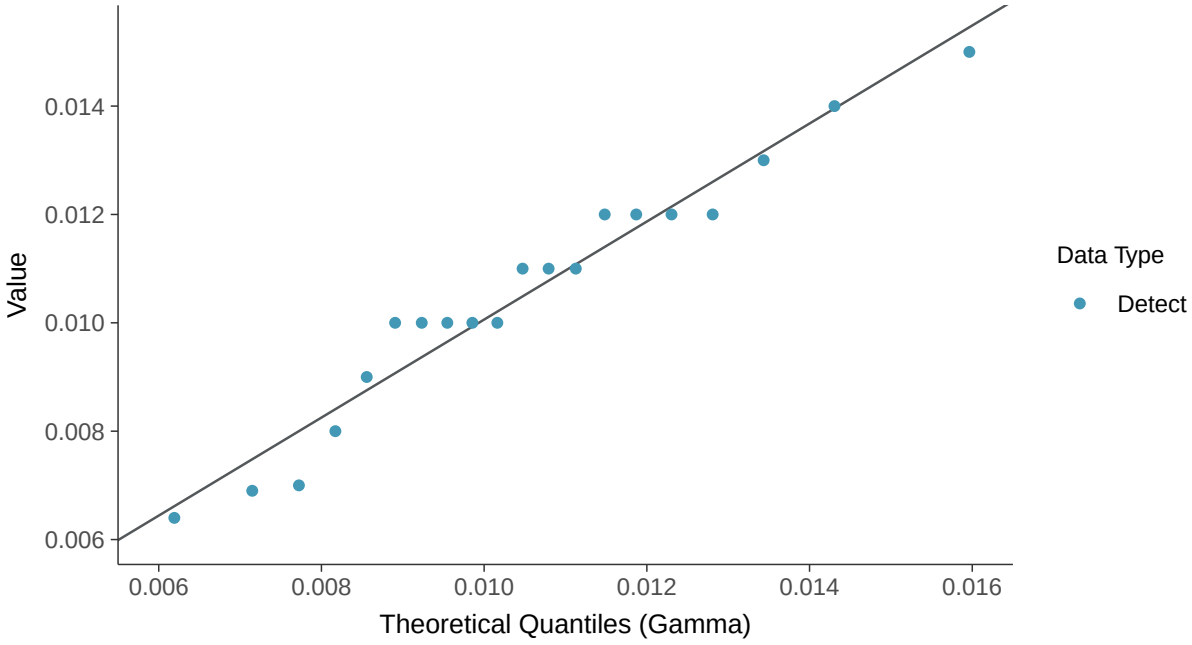



Normal Q-Q plot
Molybdenum, MW-2 (mg/l)
Value
0.014
0.012
0.010
0.008
0.006
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Molybdenum, MW-2 (mg/l)
log(Value)
−4.2
−4.4
−4.6
−4.8
−5.0
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

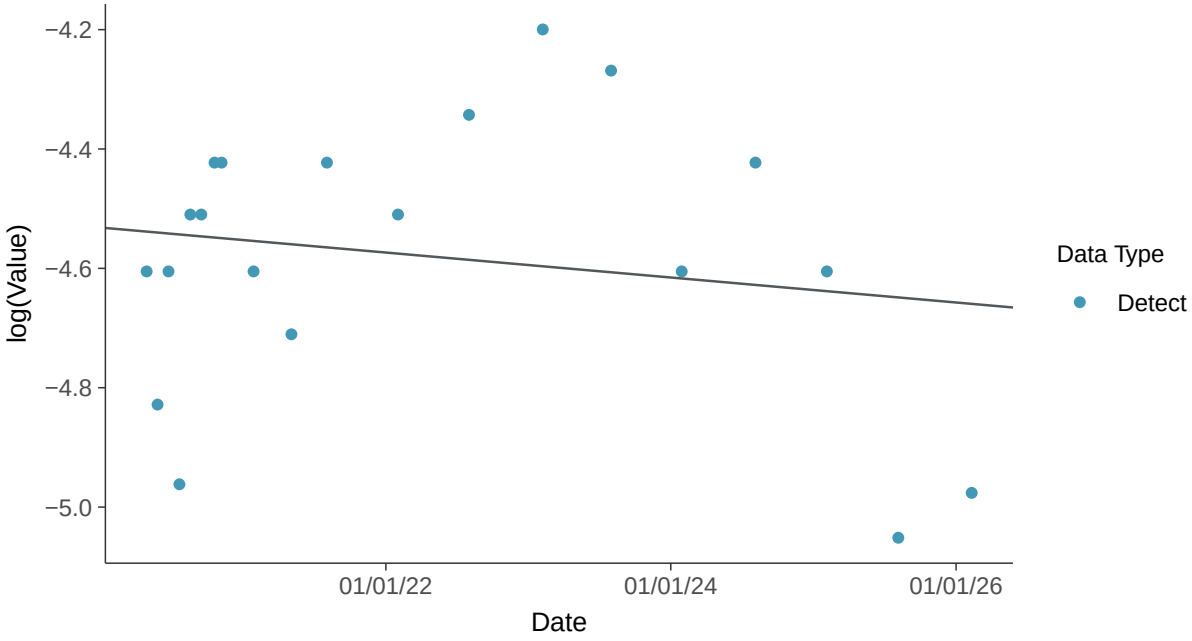
Gamma Q-Q plot

Molybdenum, MW-2 (mg/l)



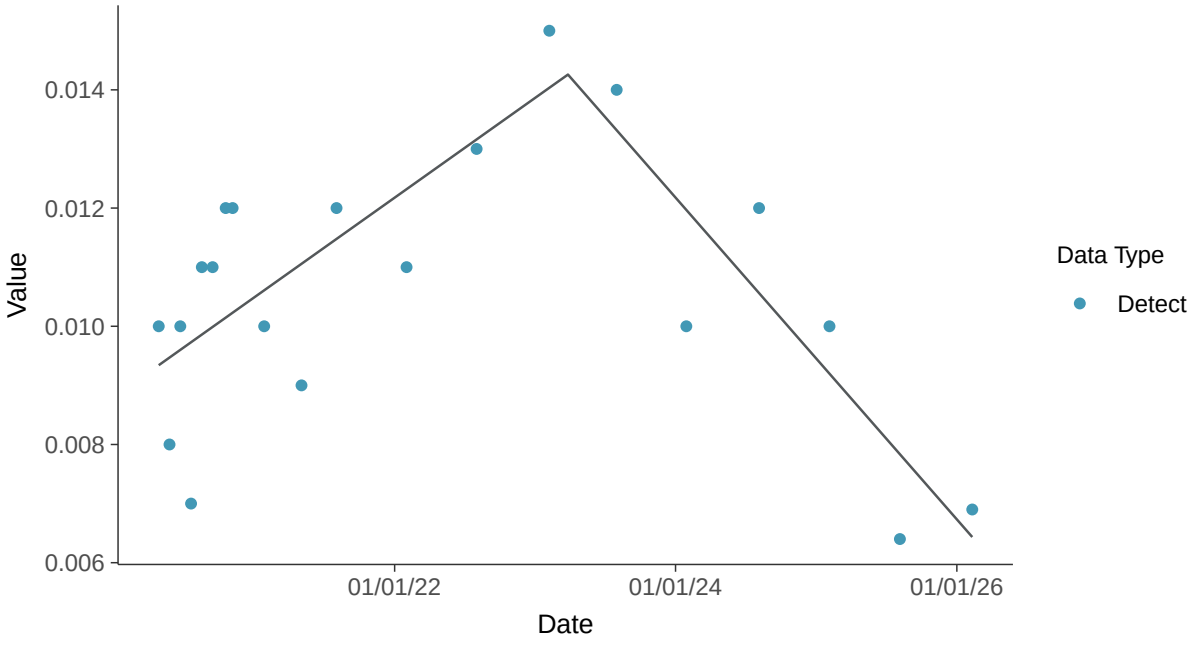
Trend Regression: Lognormal MLE

Molybdenum, MW-2 (mg/l)



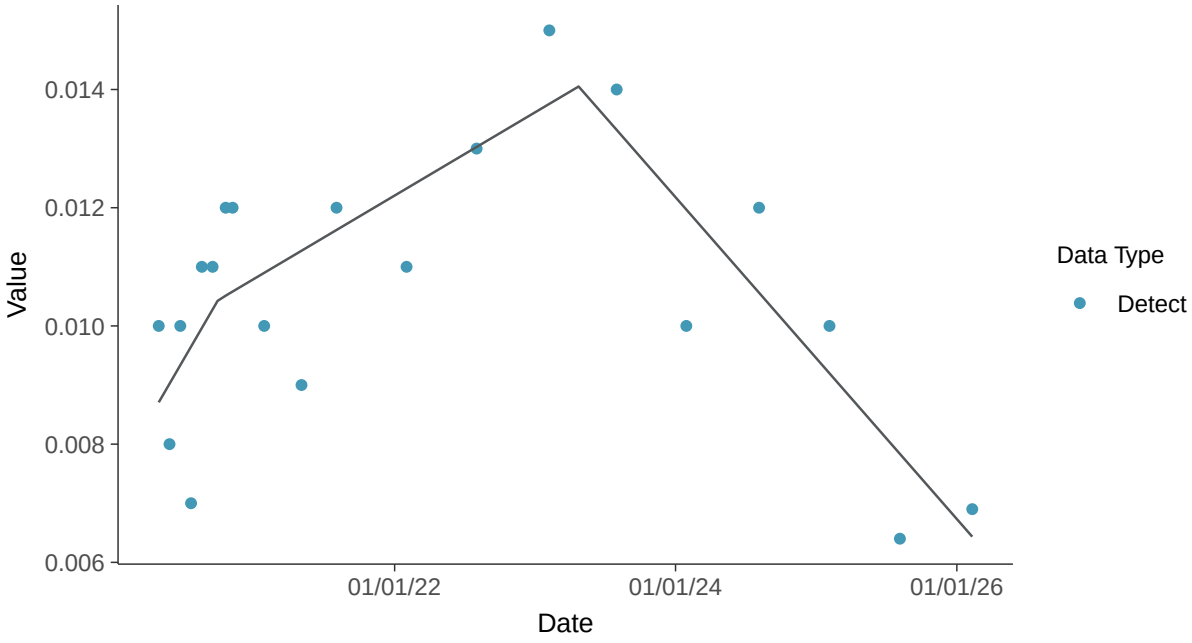
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-2 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-2 (mg/l)

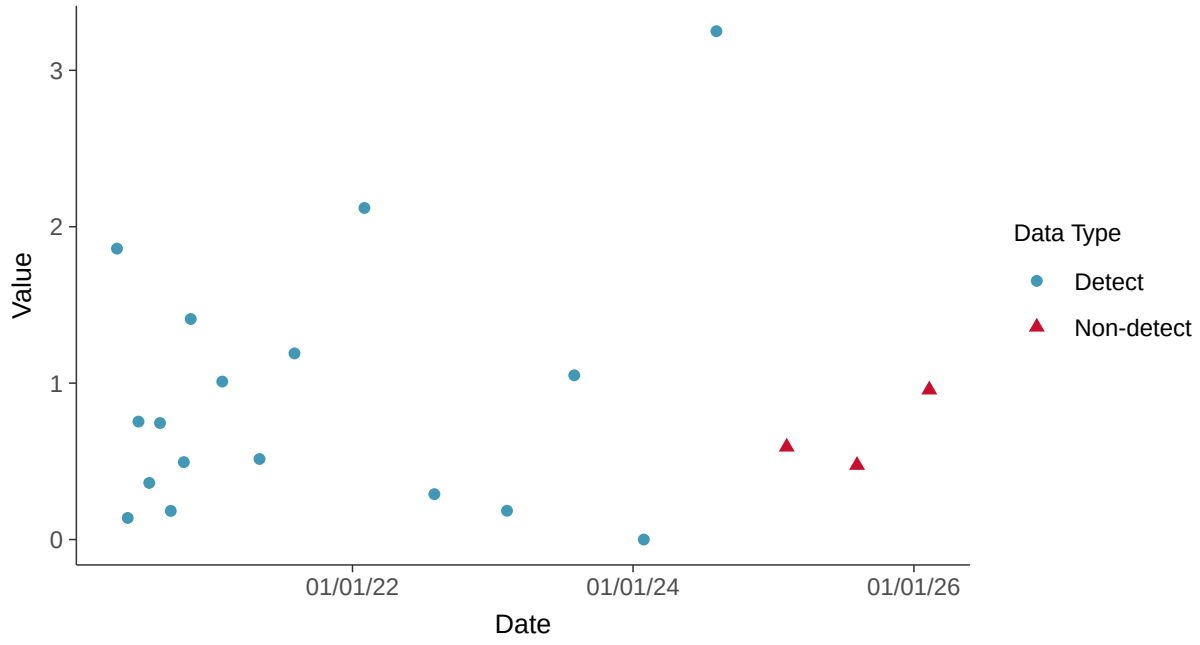


Appendix IV: Radium-226+228, MW-2

ID: 11_3_121

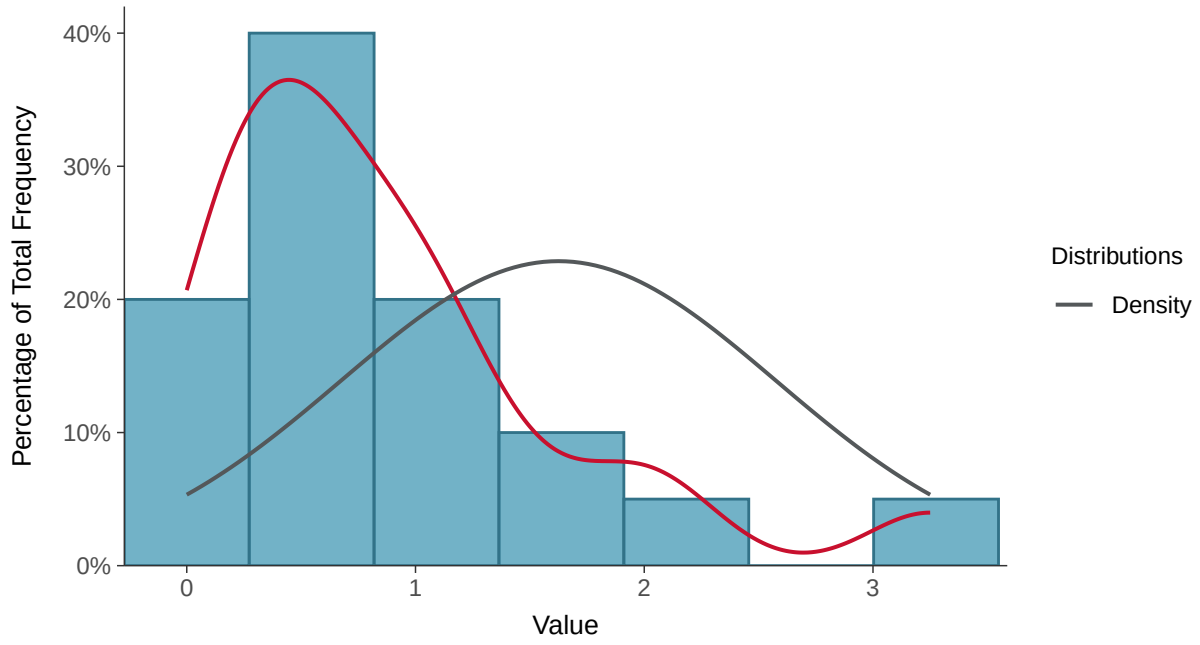
Scatter Plot

Radium-226+228, MW-2 (pci/l)



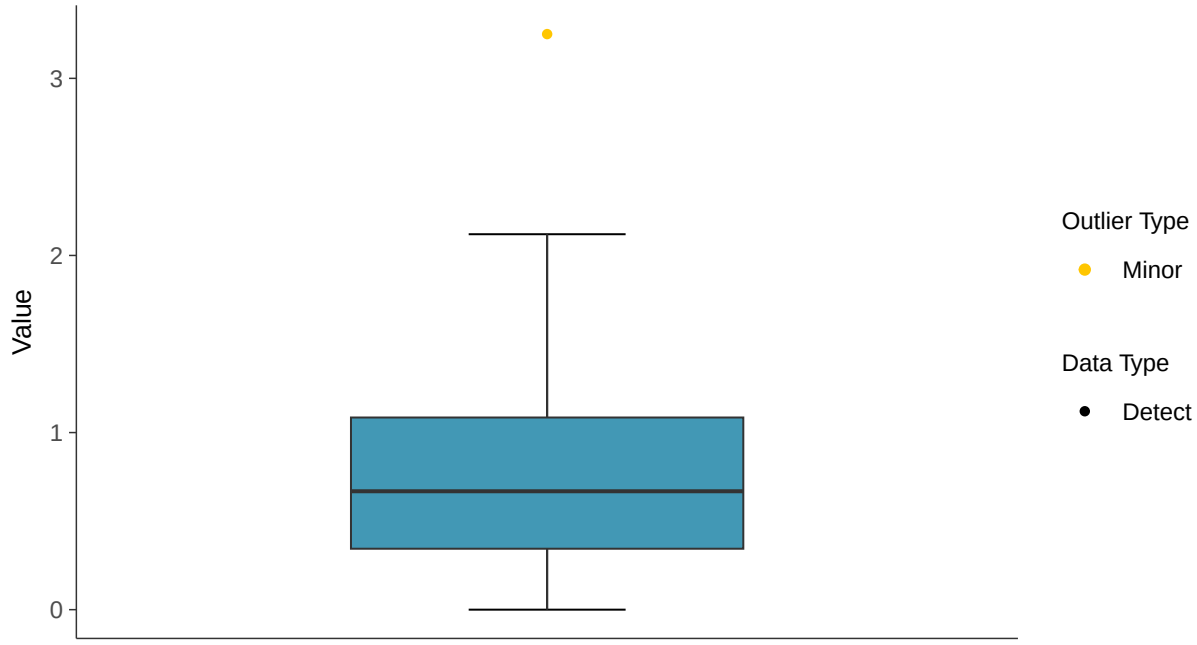
Histogram

Radium-226+228, MW-2 (pci/l)



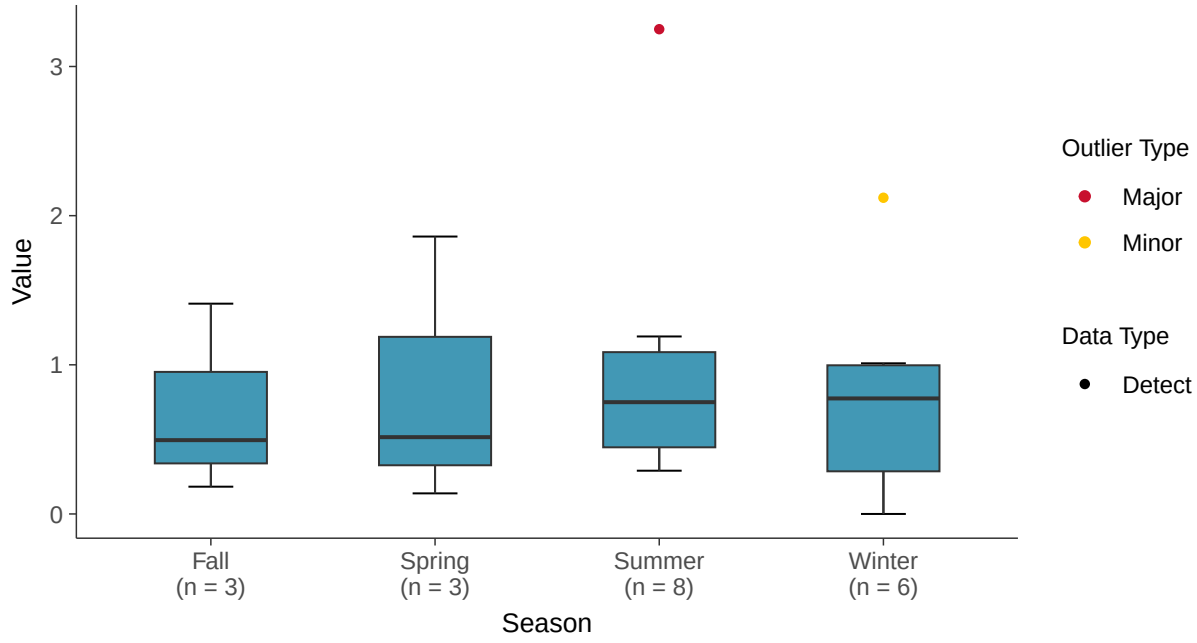
Boxplot

Radium-226+228, MW-2 (pci/l)



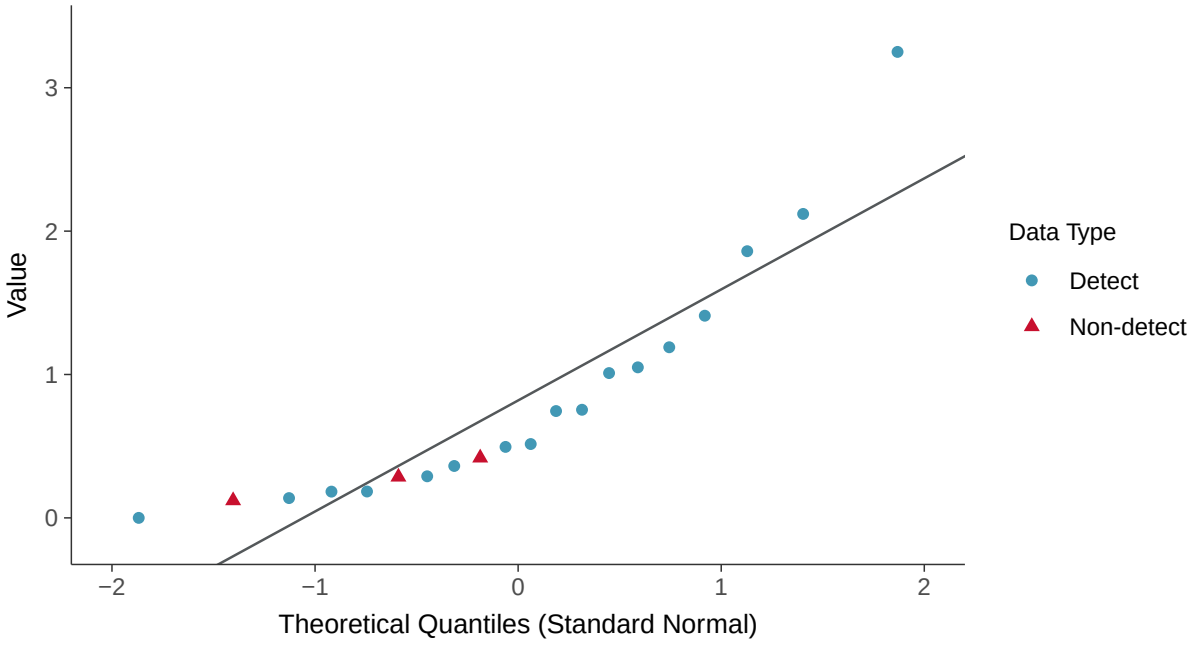
Boxplot by Season

Radium-226+228, MW-2 (pci/l)



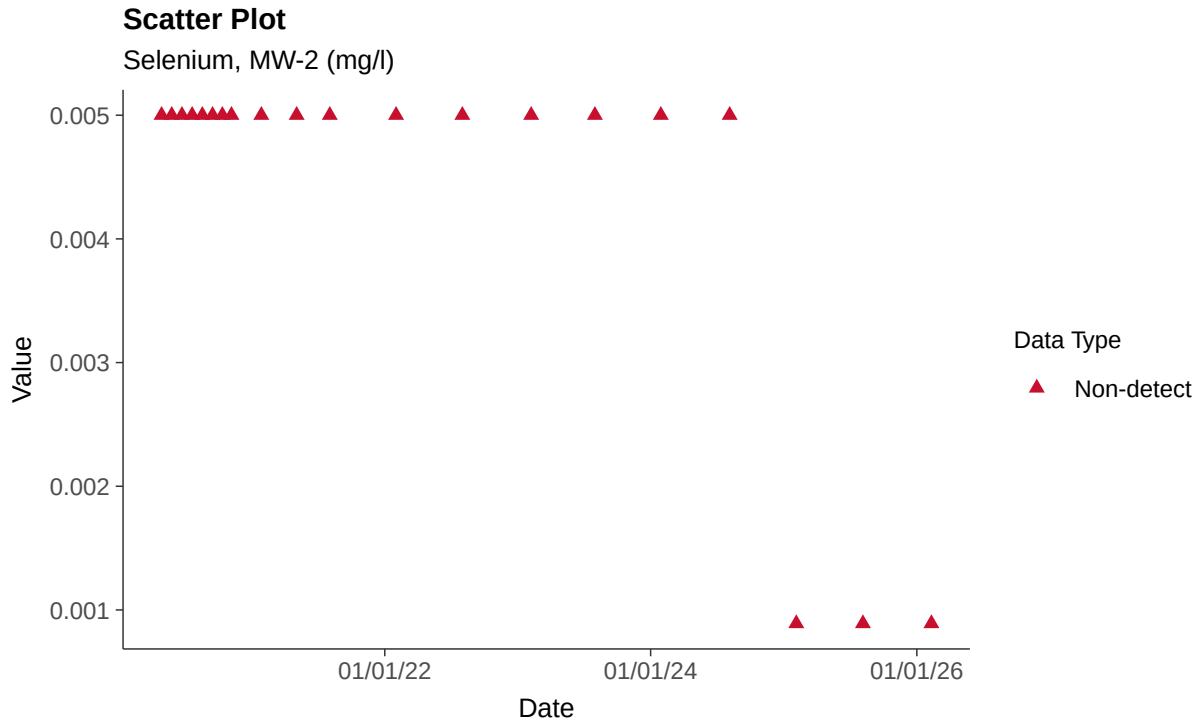
Normal Q-Q plot using ROS Imputed Estimates

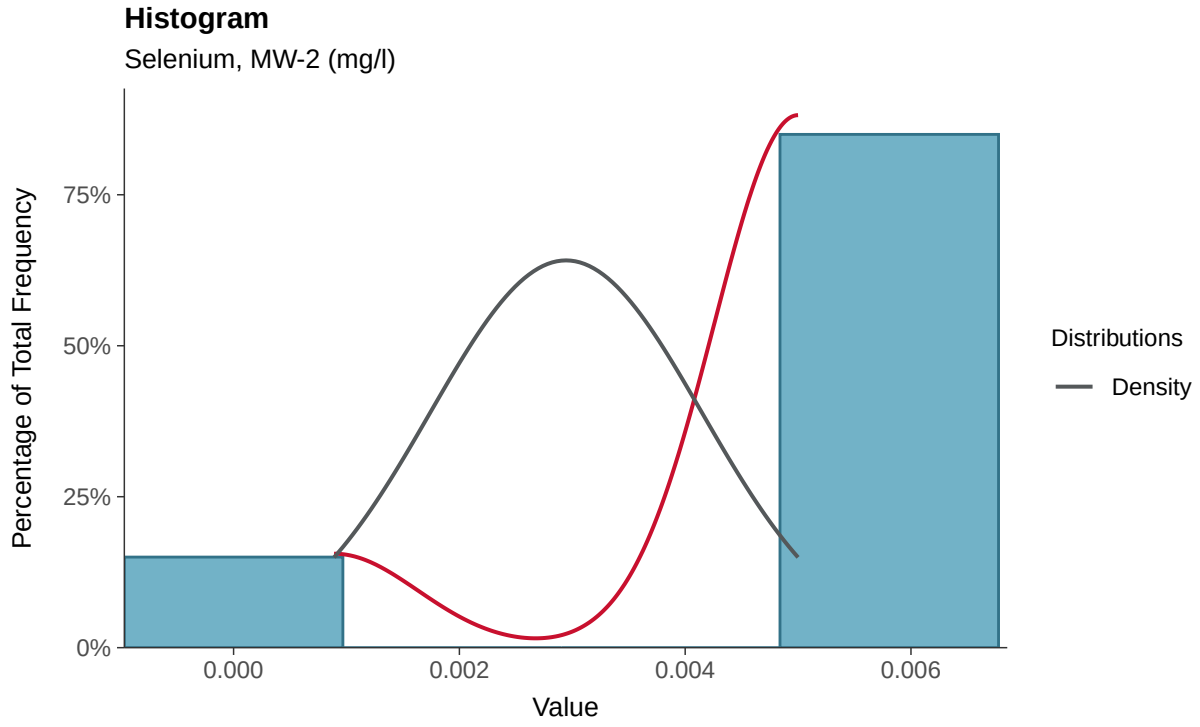
Radium-226+228, MW-2 (pci/l)



Appendix IV: Selenium, MW-2

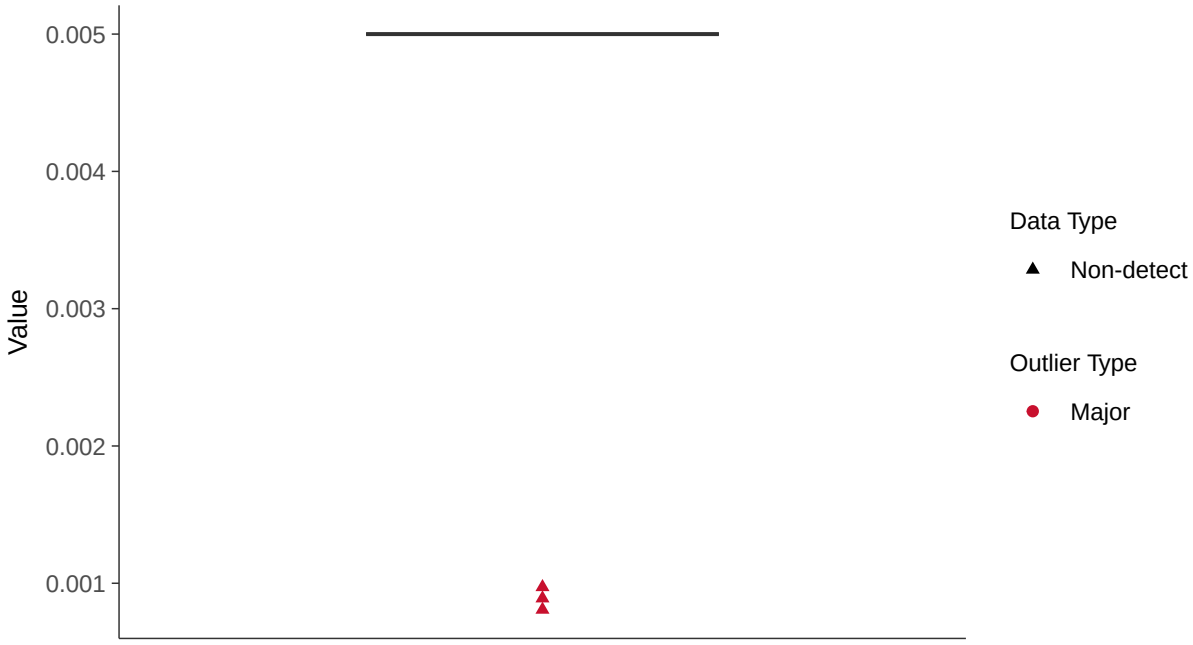
ID: 11_3_122





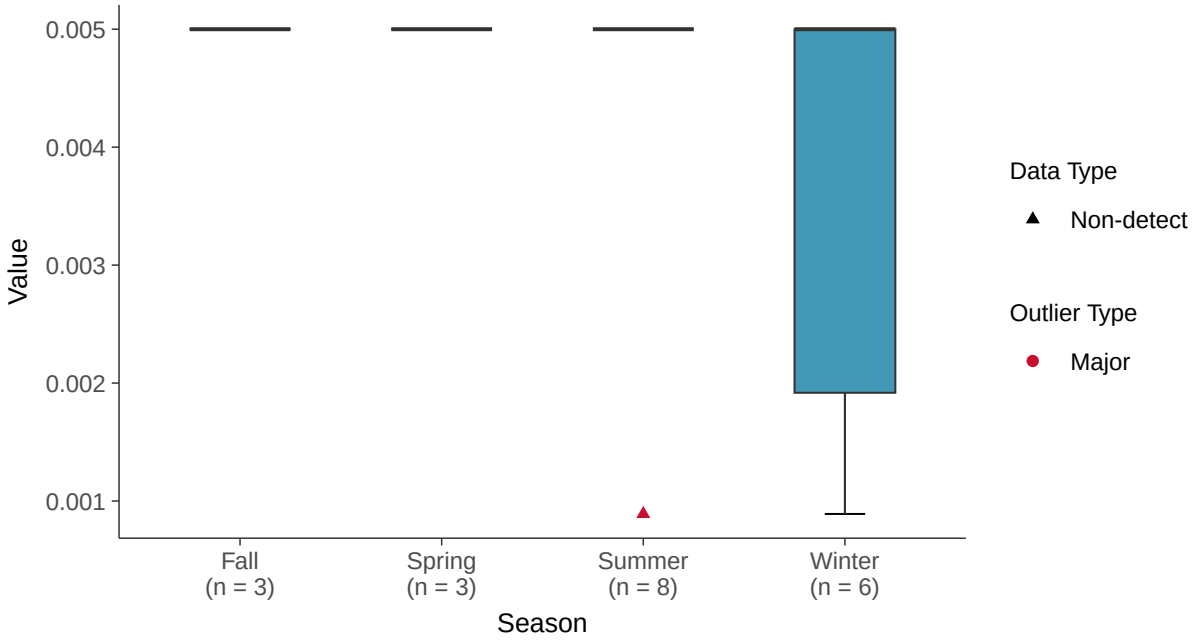
Boxplot

Selenium, MW-2 (mg/l)



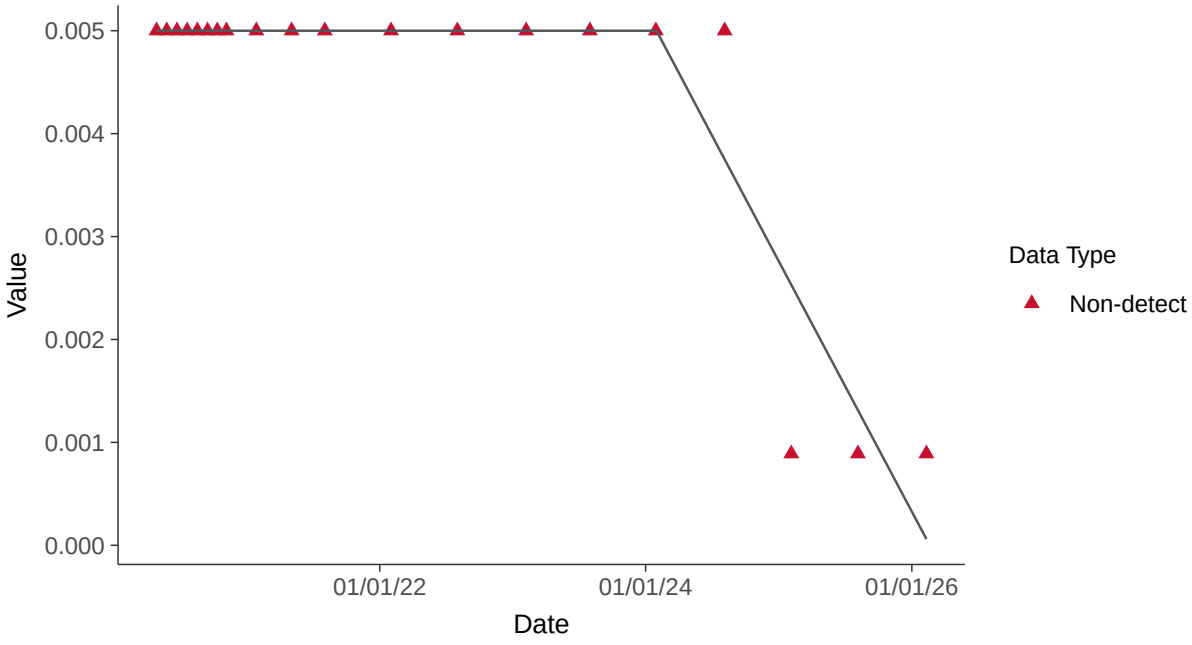
Boxplot by Season

Selenium, MW-2 (mg/l)



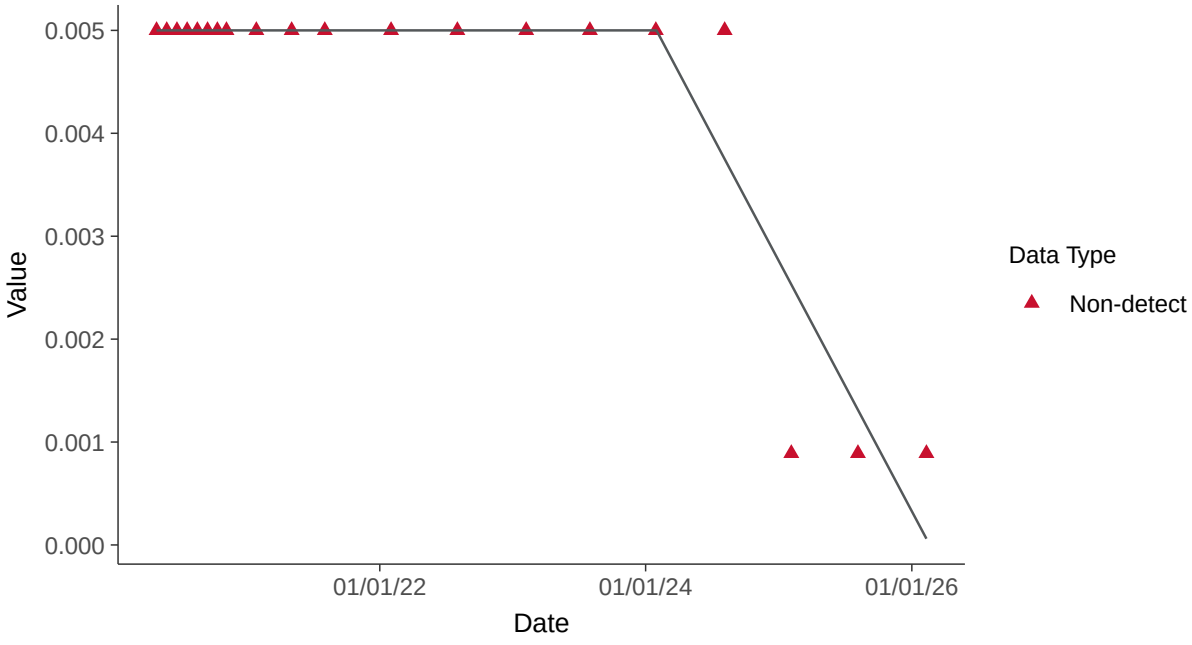
Trend Regression: Piecewise Linear-Linear

Selenium, MW-2 (mg/l)



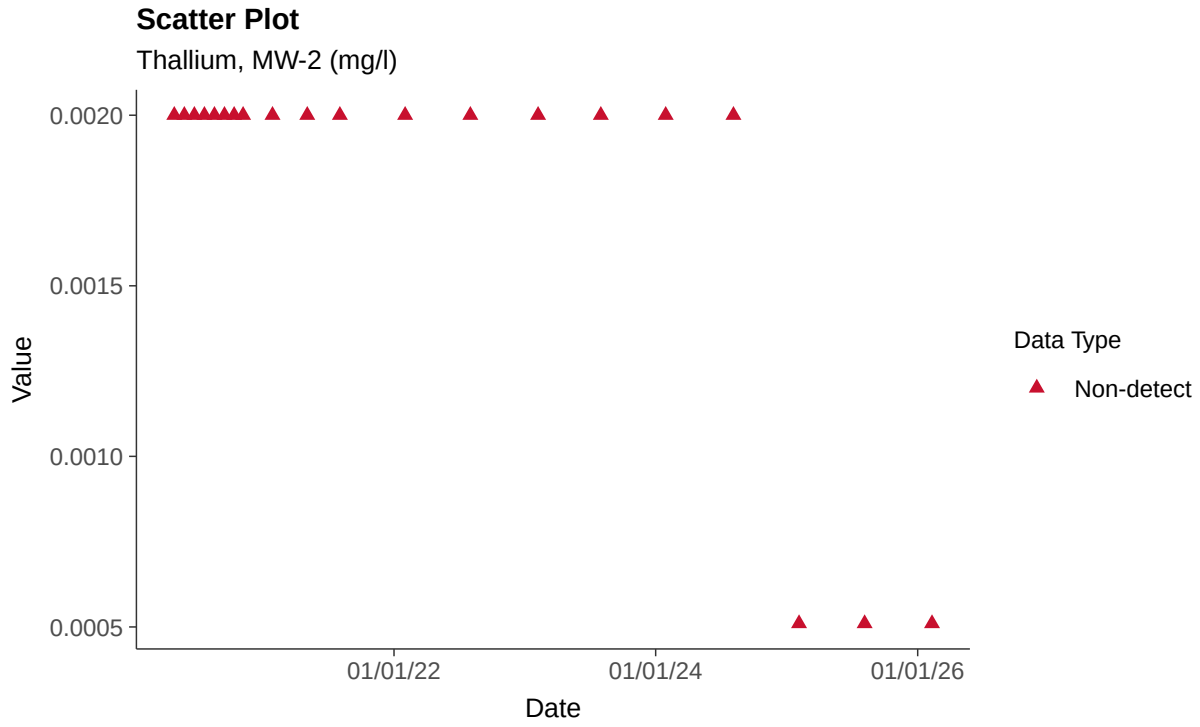
Trend Regression: Piecewise Linear-Linear-Linear

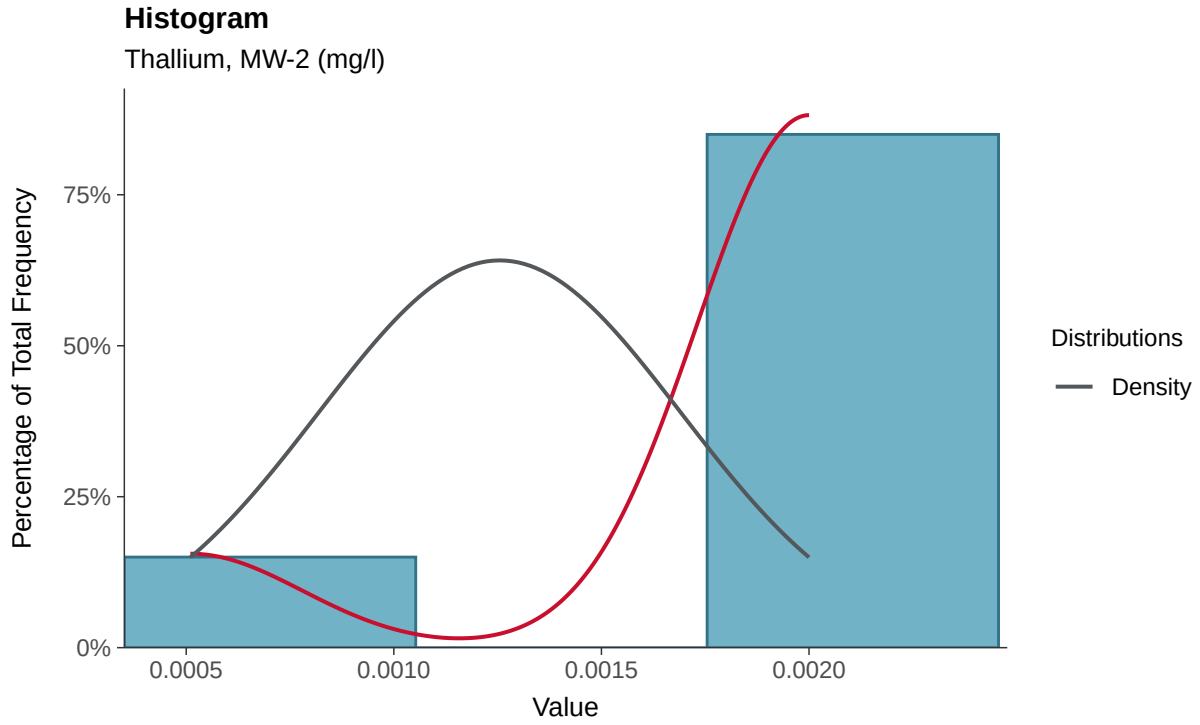
Selenium, MW-2 (mg/l)



Appendix IV: Thallium, MW-2

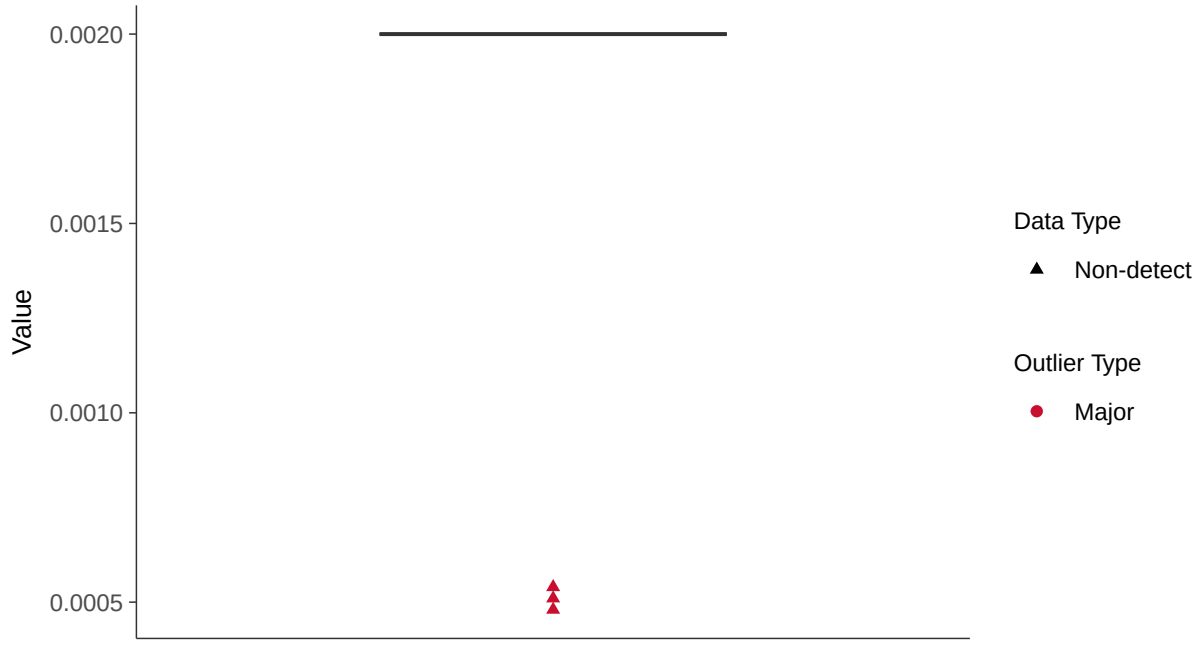
ID: 11_3_125





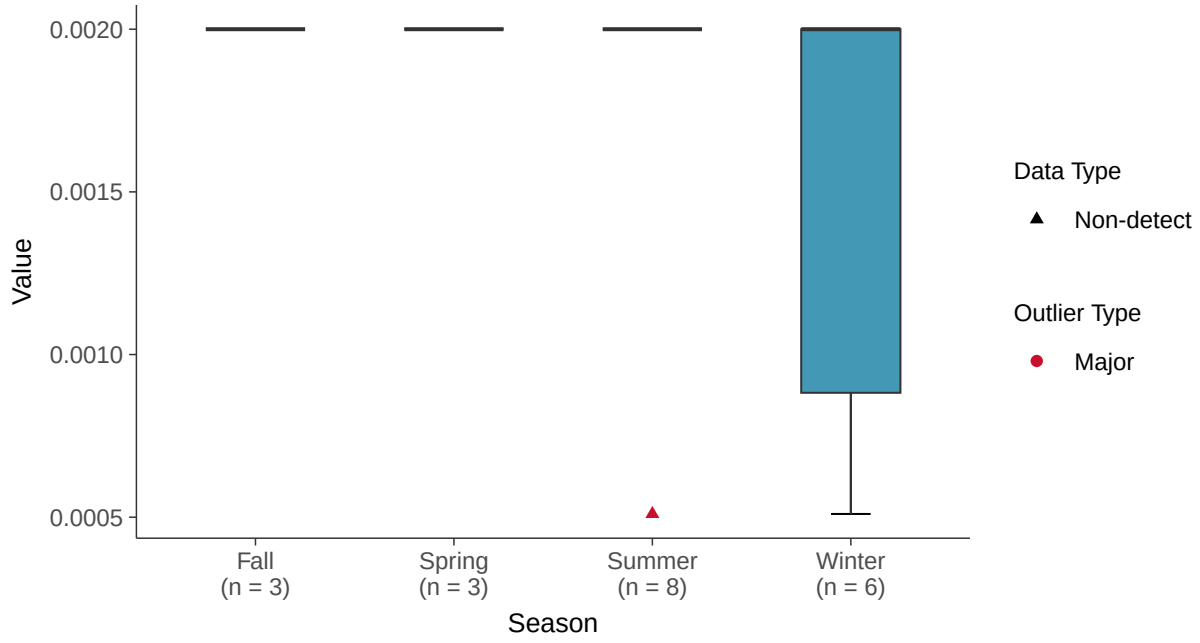
Boxplot

Thallium, MW-2 (mg/l)



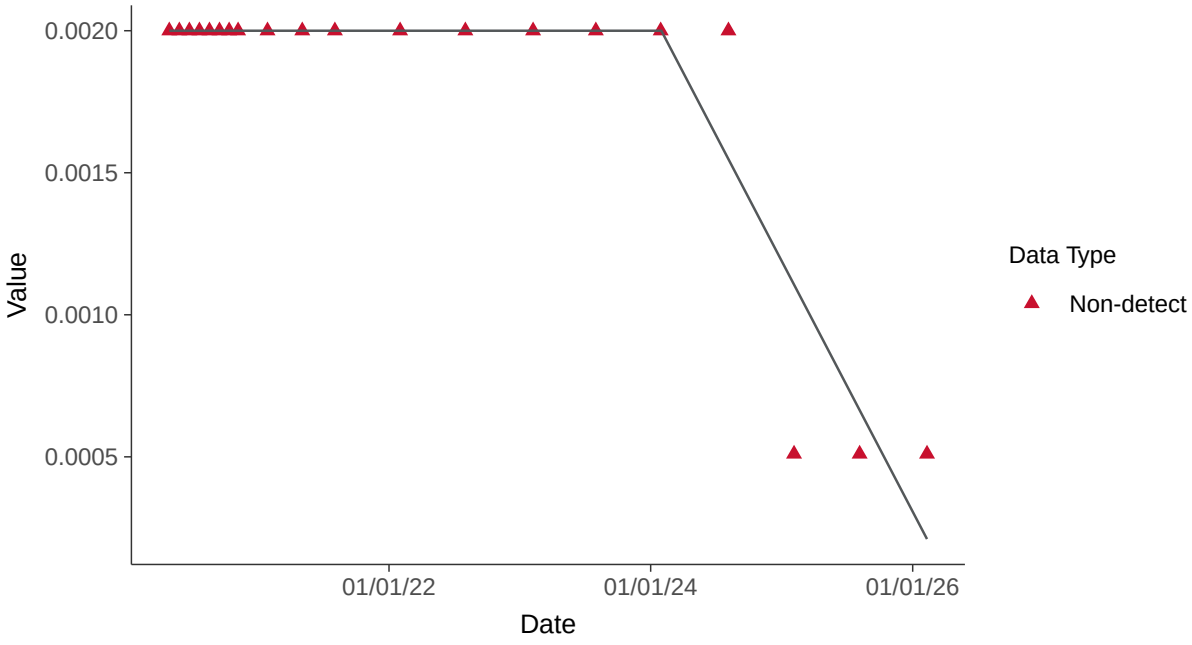
Boxplot by Season

Thallium, MW-2 (mg/l)



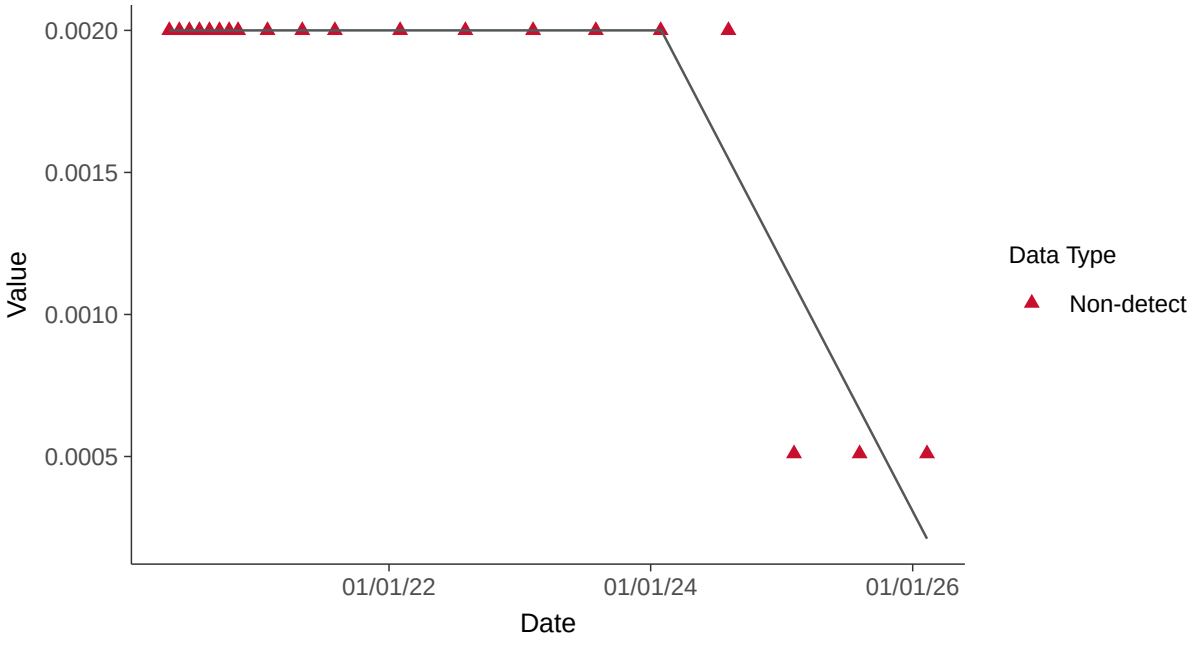
Trend Regression: Piecewise Linear-Linear

Thallium, MW-2 (mg/l)



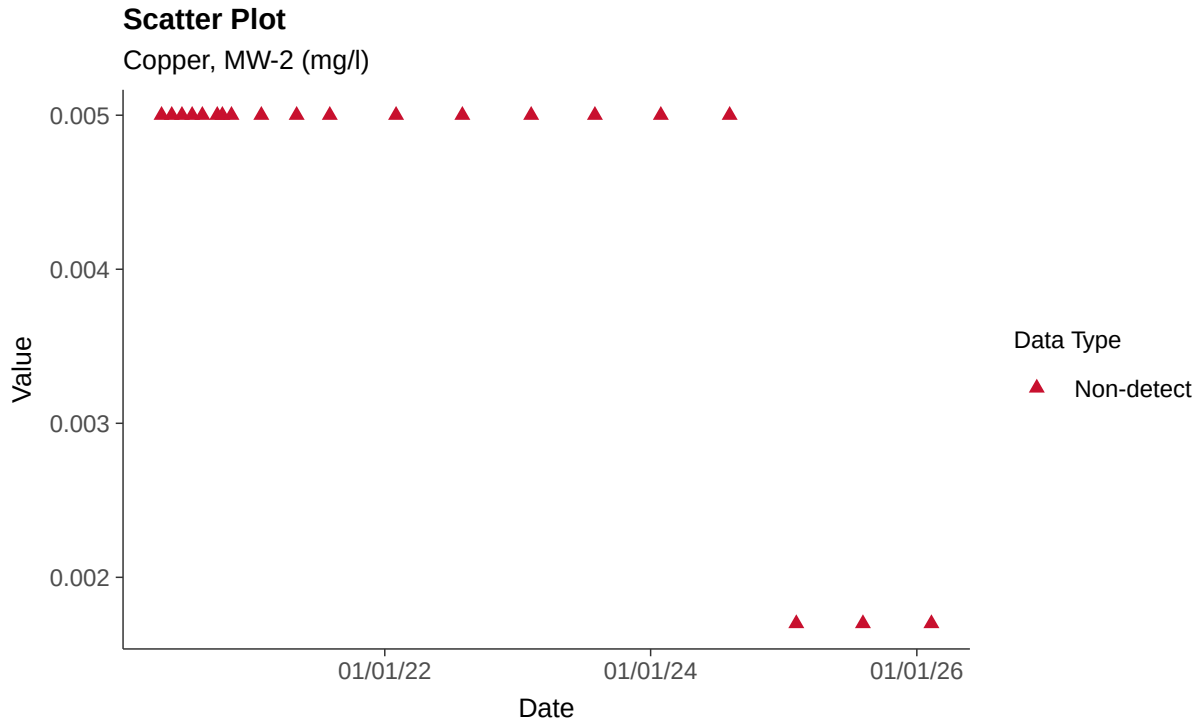
Trend Regression: Piecewise Linear-Linear-Linear

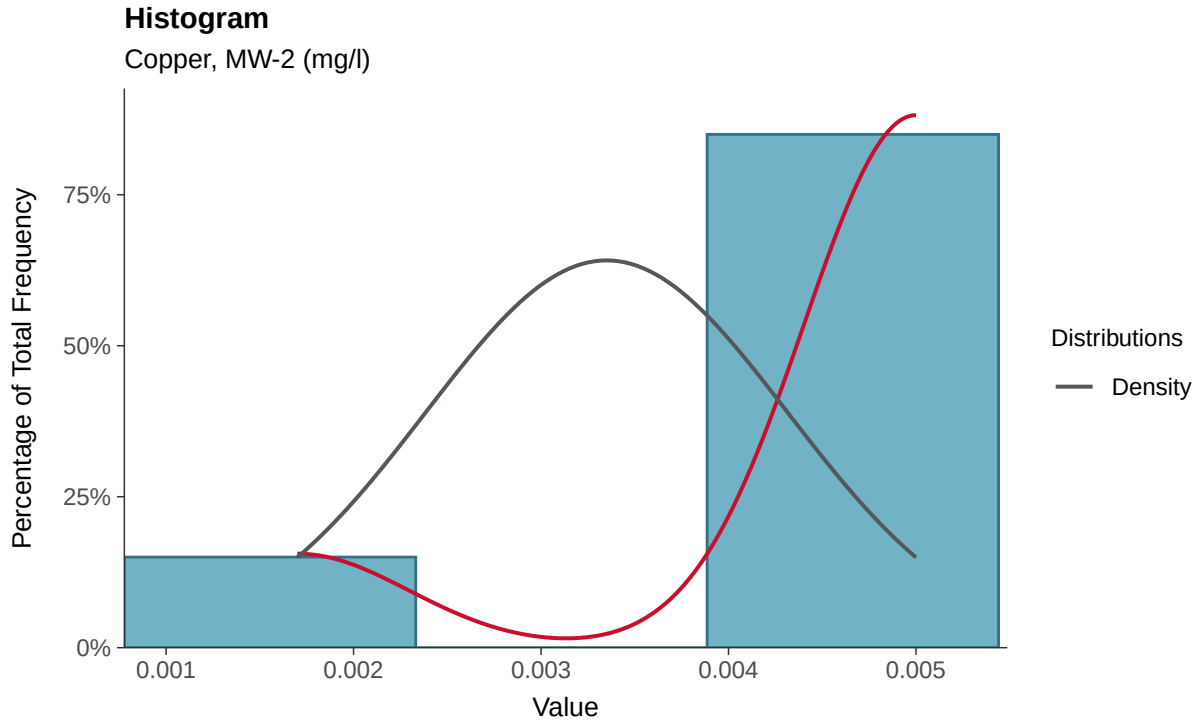
Thallium, MW-2 (mg/l)



Part 115: Copper, MW-2

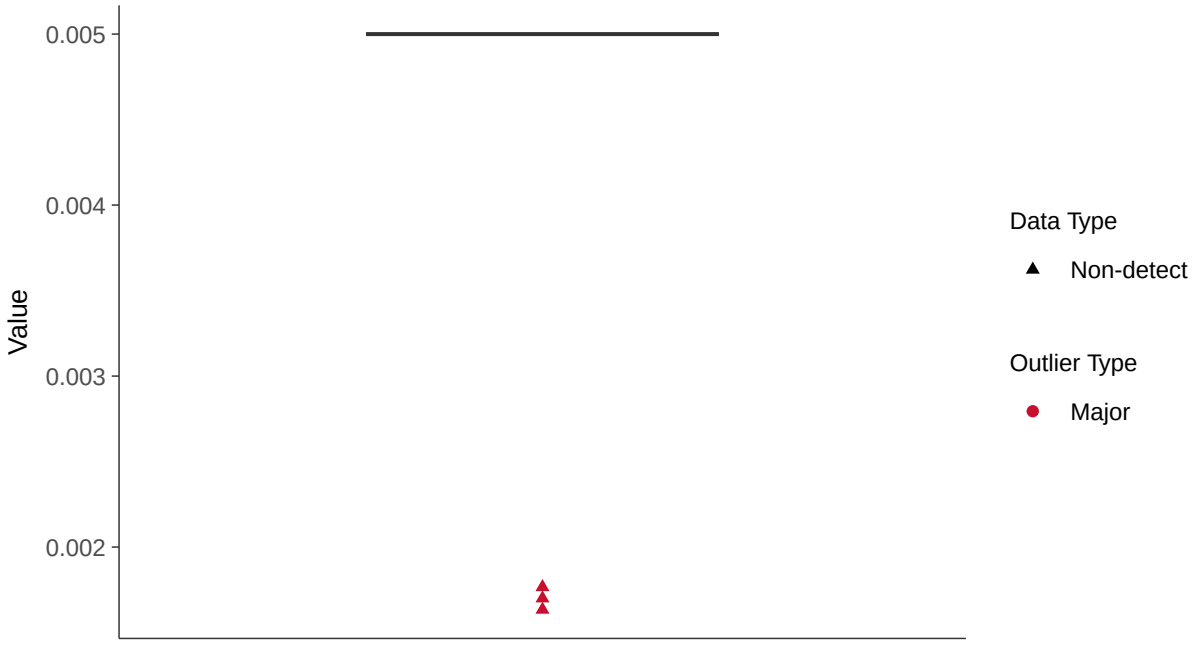
ID: 11_5_111





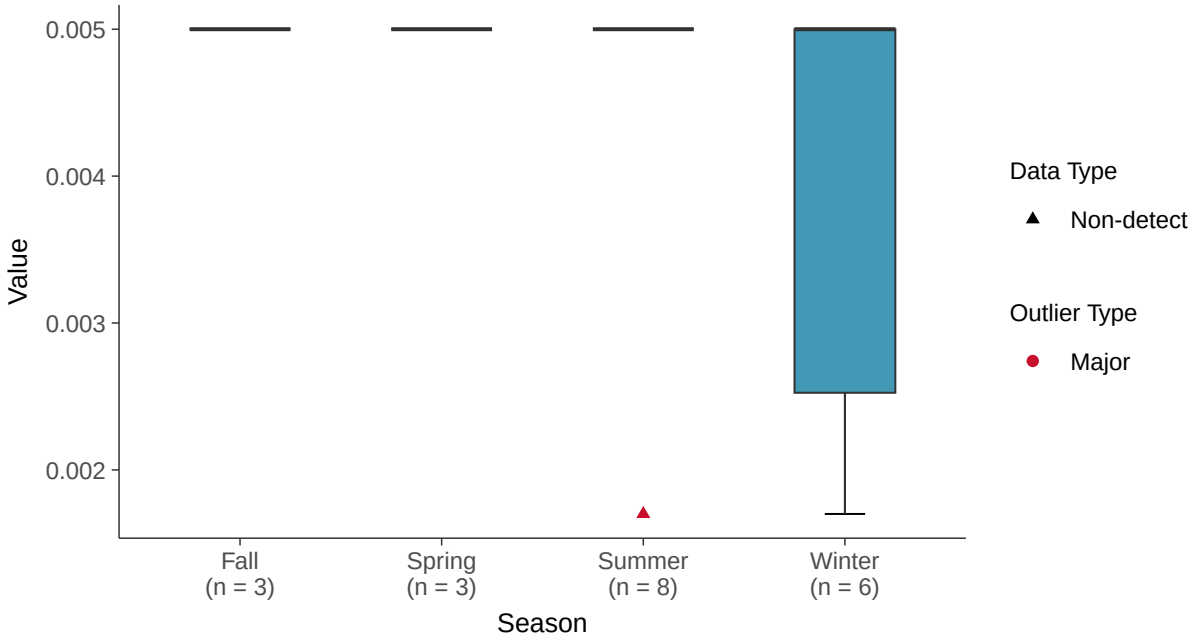
Boxplot

Copper, MW-2 (mg/l)



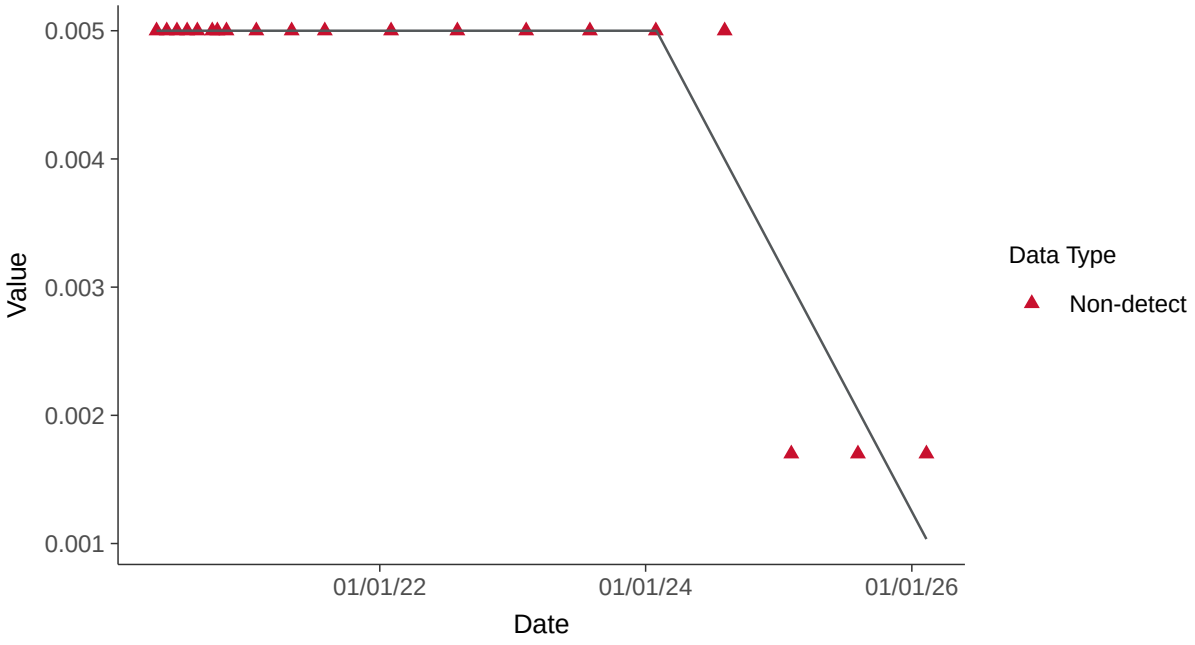
Boxplot by Season

Copper, MW-2 (mg/l)



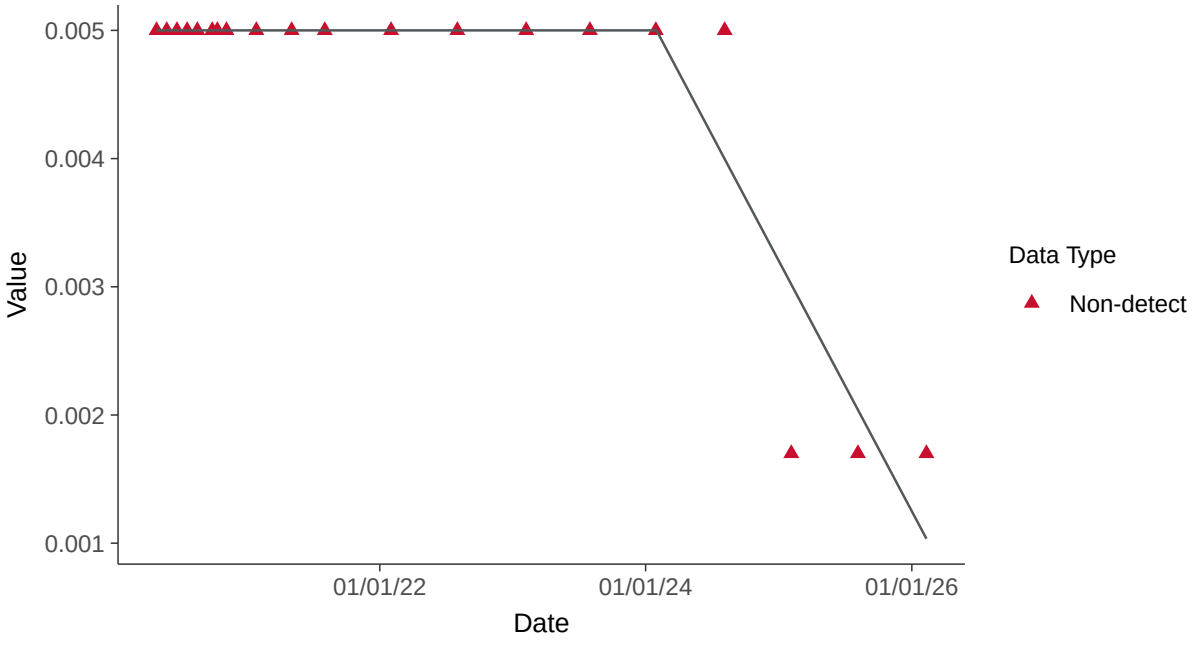
Trend Regression: Piecewise Linear-Linear

Copper, MW-2 (mg/l)



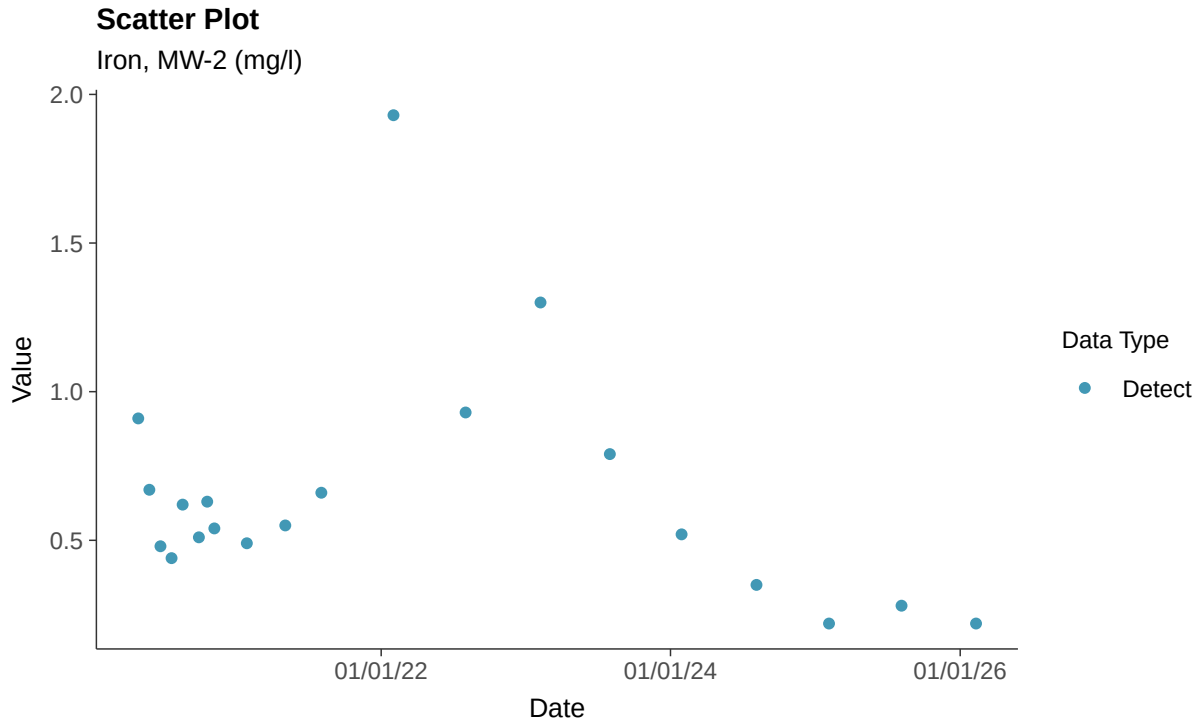
Trend Regression: Piecewise Linear-Linear-Linear

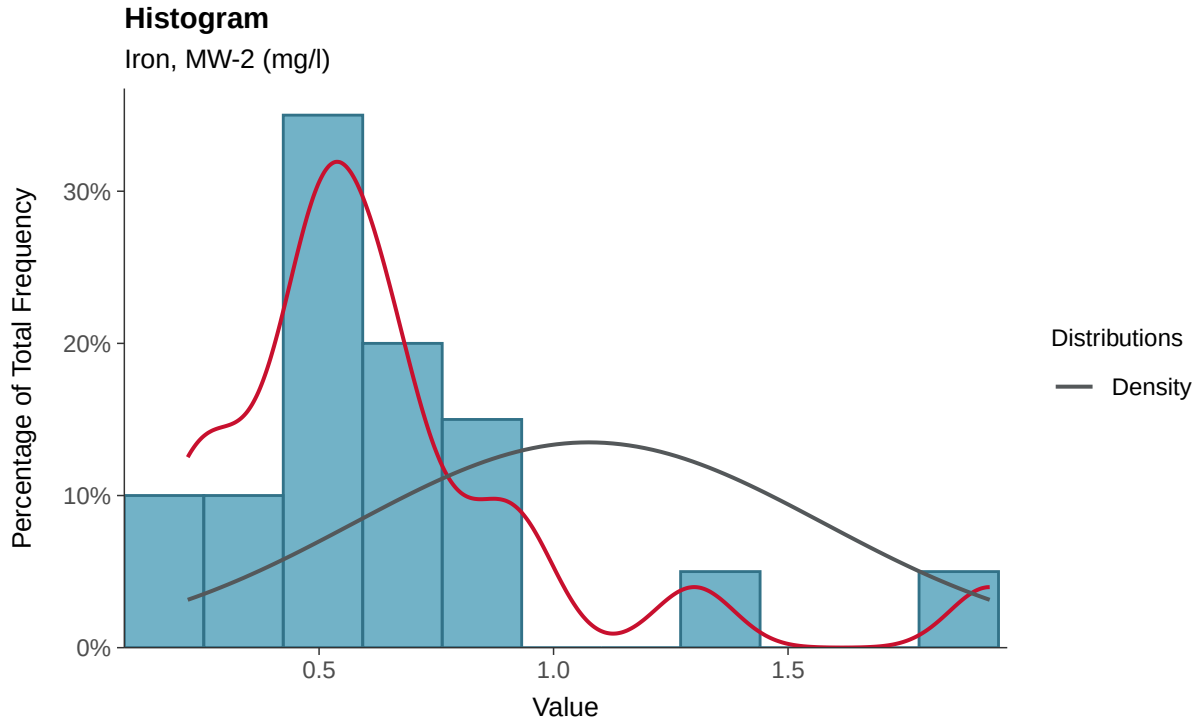
Copper, MW-2 (mg/l)



Part 115: Iron, MW-2

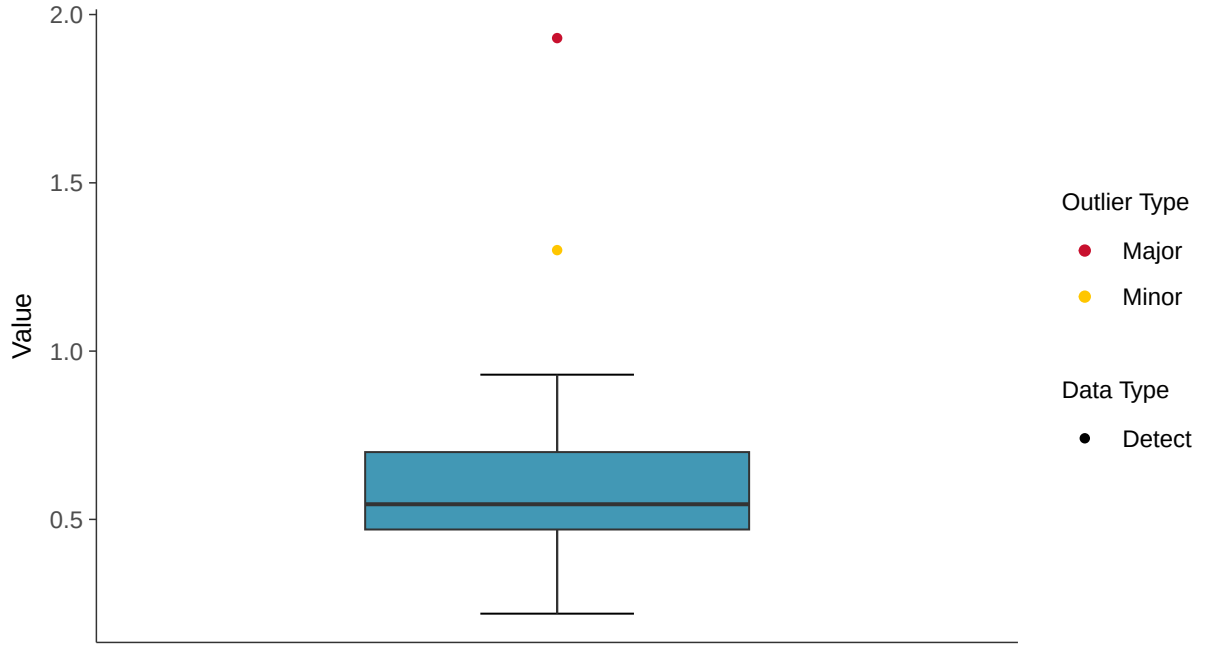
ID: 11_5_114





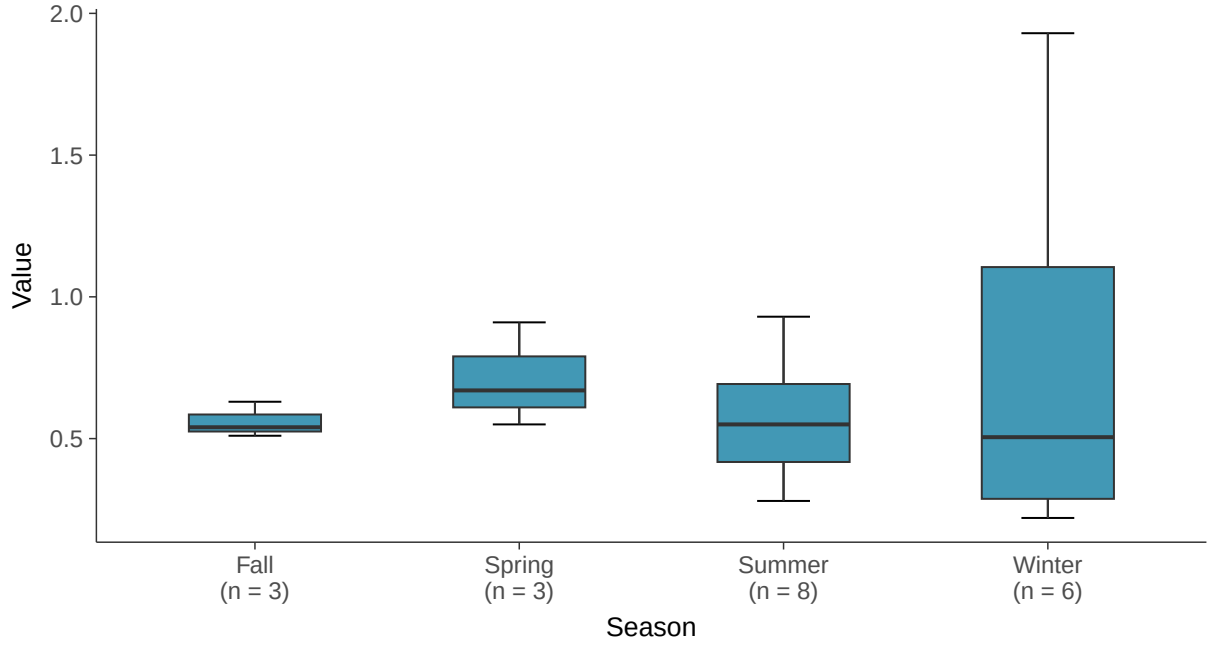
Boxplot

Iron, MW-2 (mg/l)



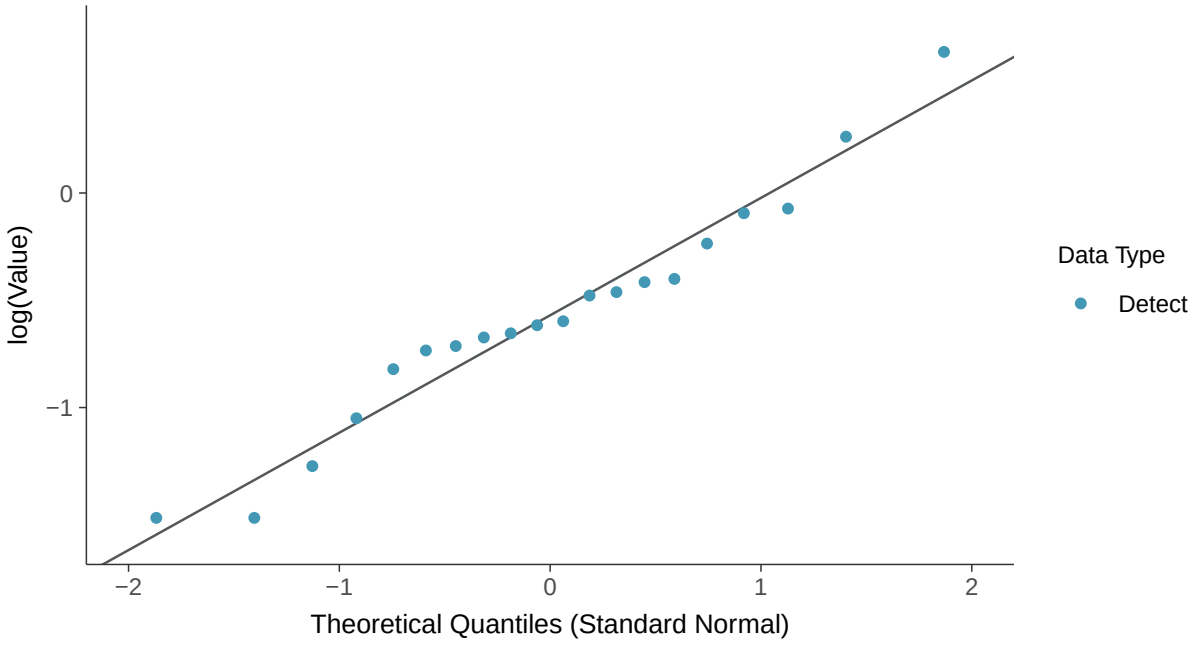
Boxplot by Season

Iron, MW-2 (mg/l)



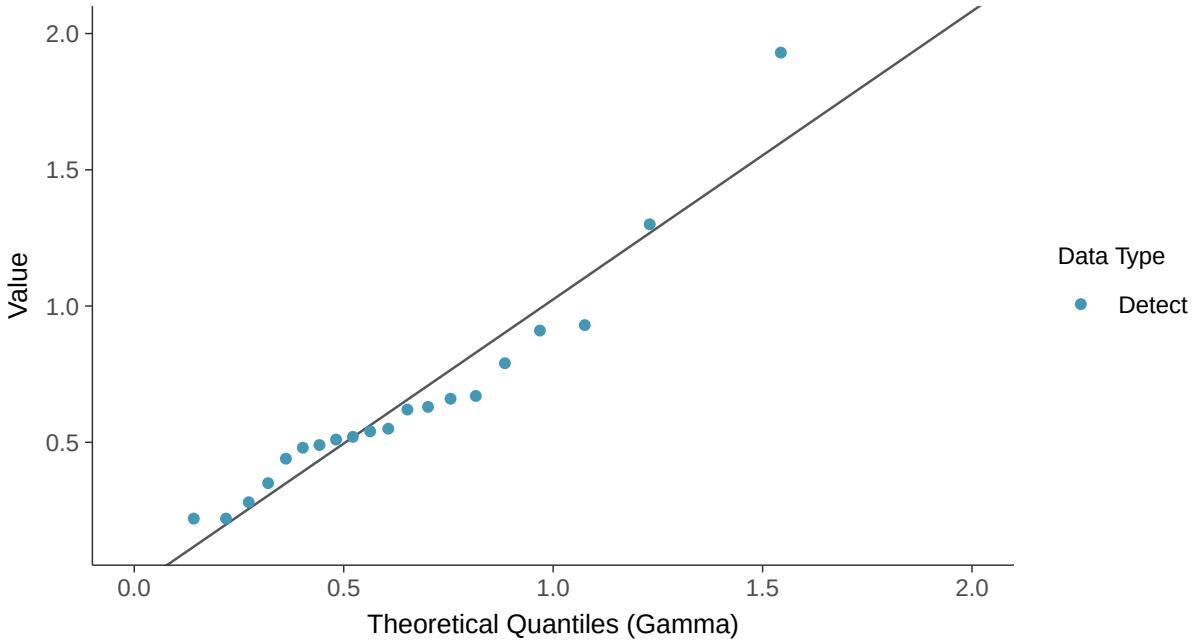
Lognormal Q-Q plot

Iron, MW-2 (mg/l)



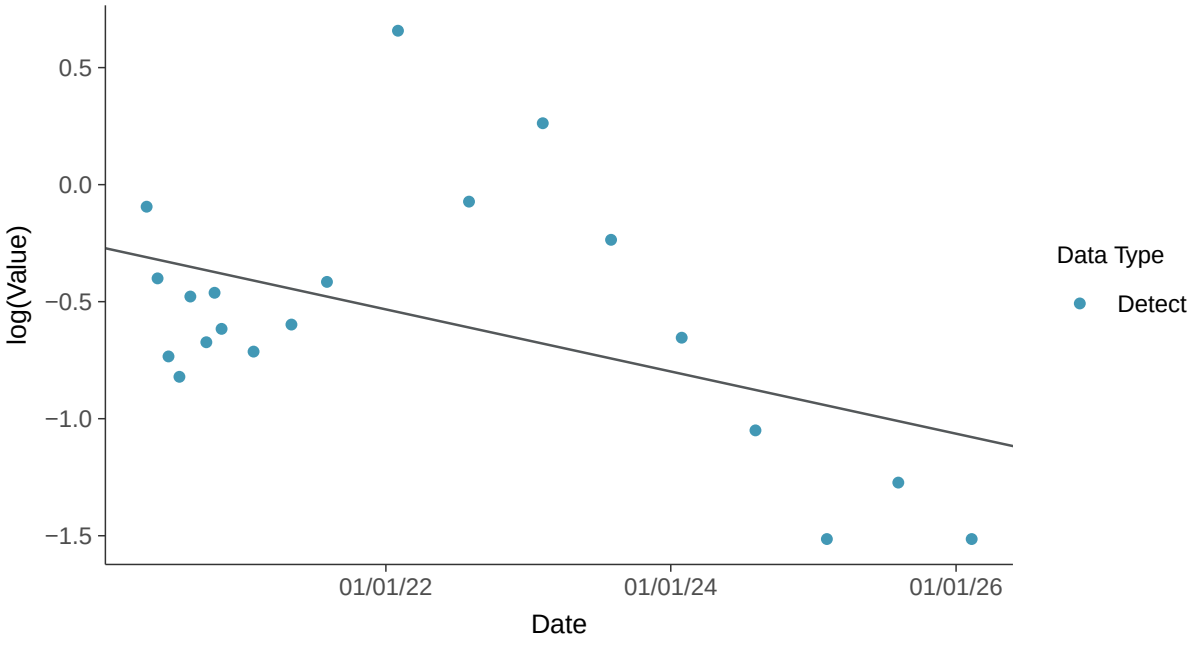
Gamma Q-Q plot

Iron, MW-2 (mg/l)



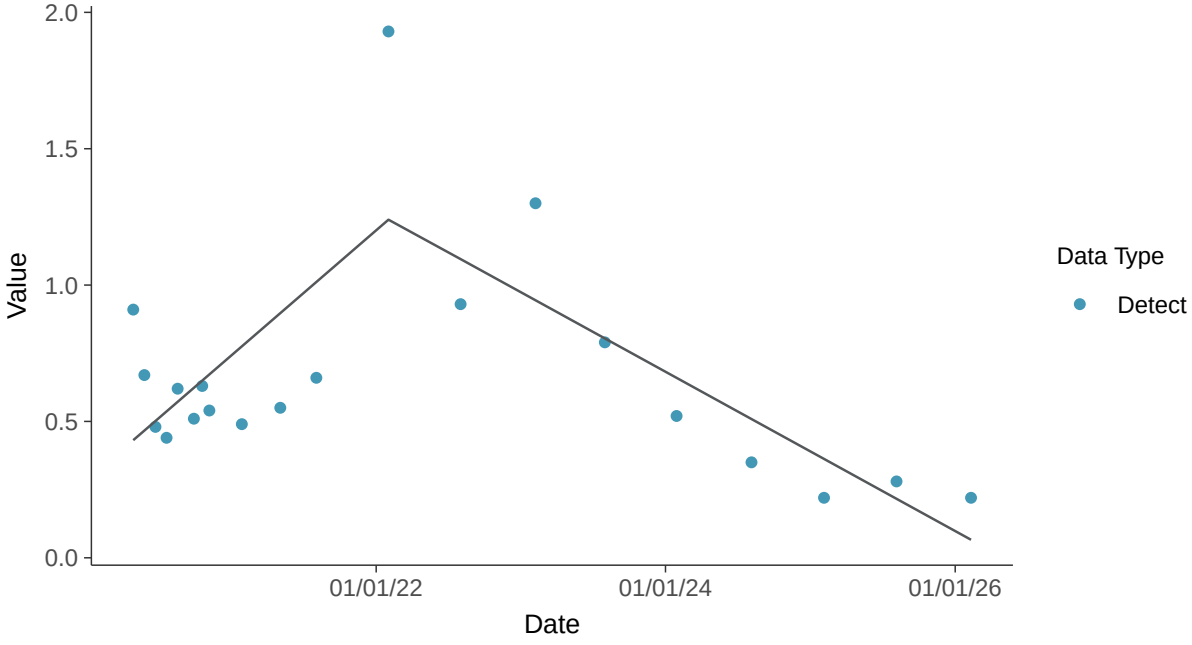
Trend Regression: Lognormal MLE

Iron, MW-2 (mg/l)



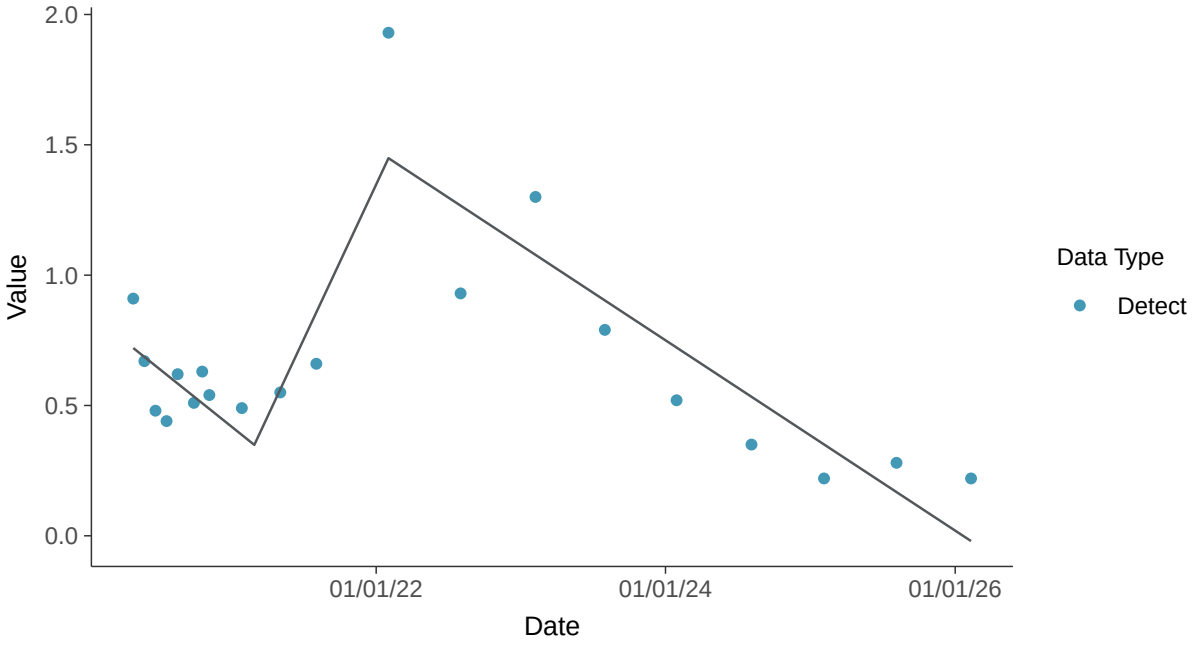
Trend Regression: Piecewise Linear-Linear

Iron, MW-2 (mg/l)



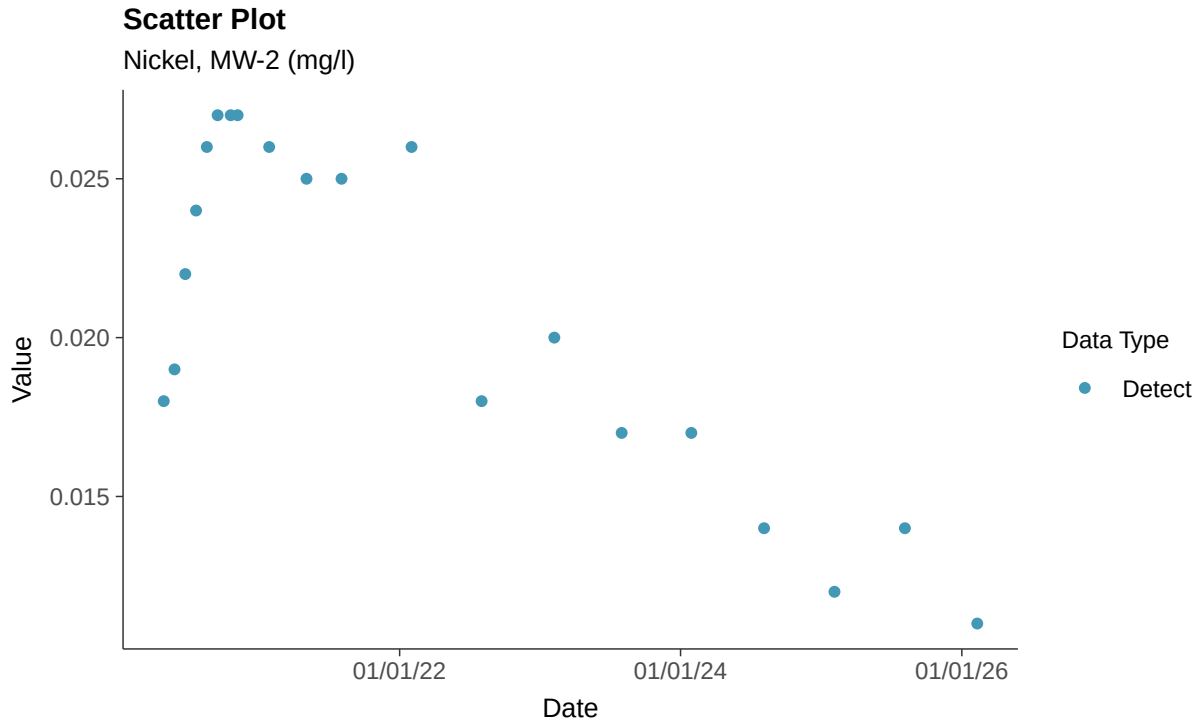
Trend Regression: Piecewise Linear-Linear-Linear

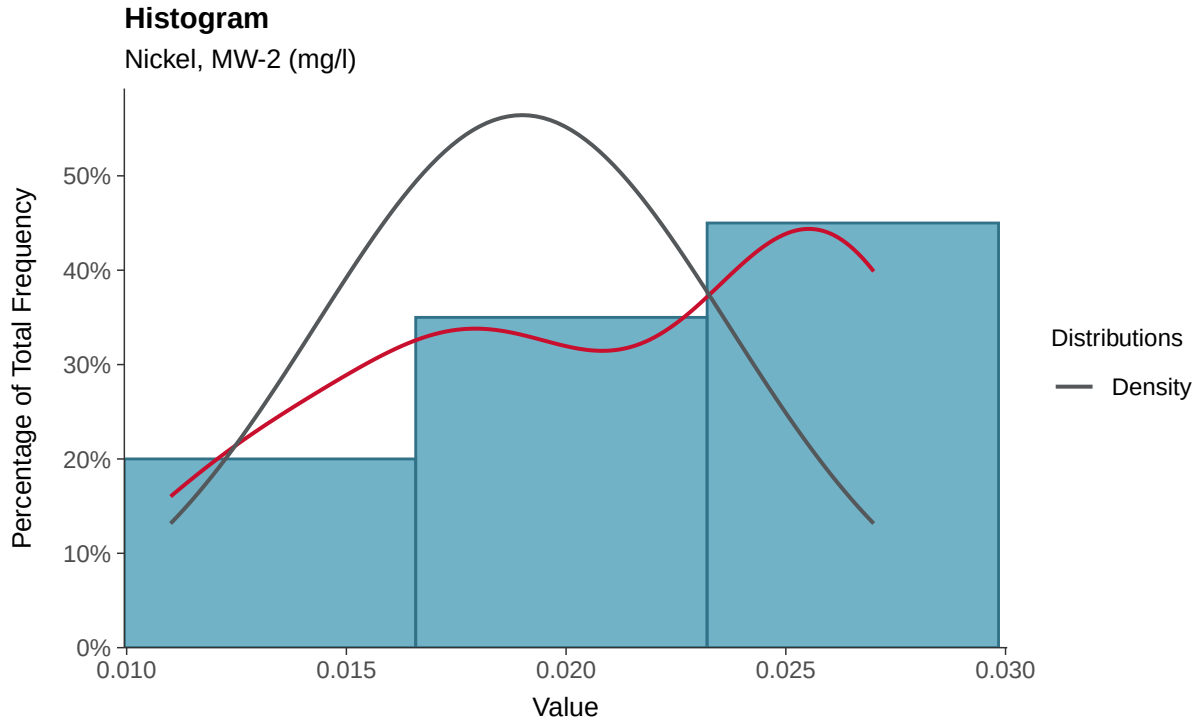
Iron, MW-2 (mg/l)



Part 115: Nickel, MW-2

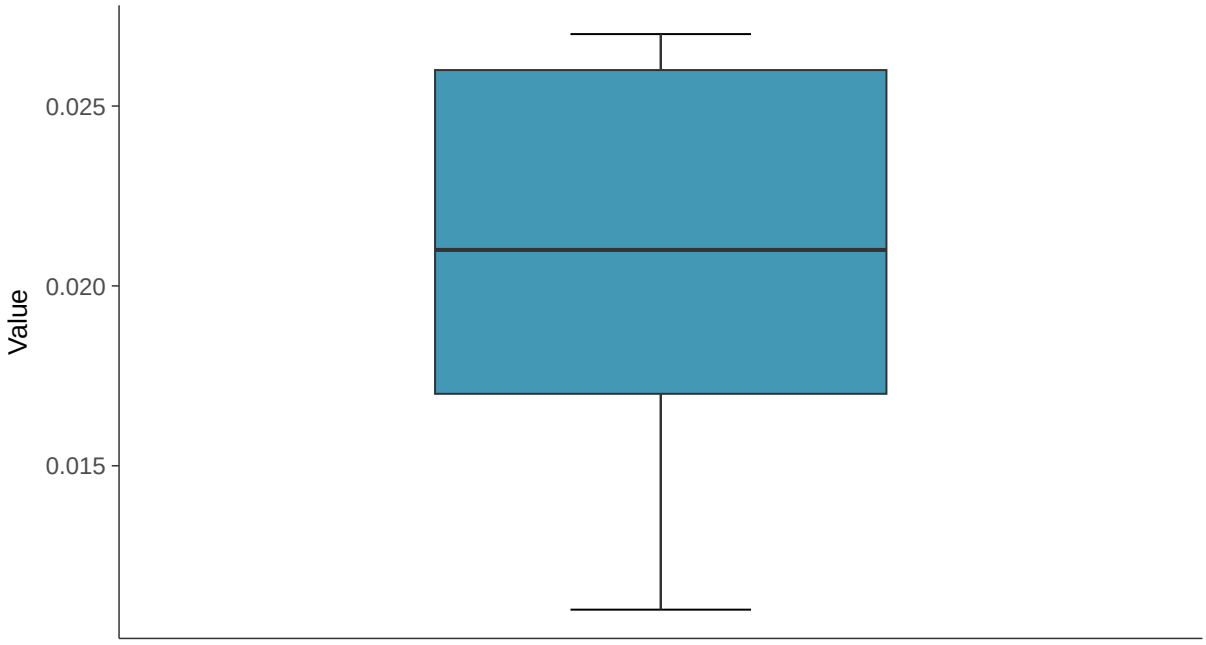
ID: 11_5_119





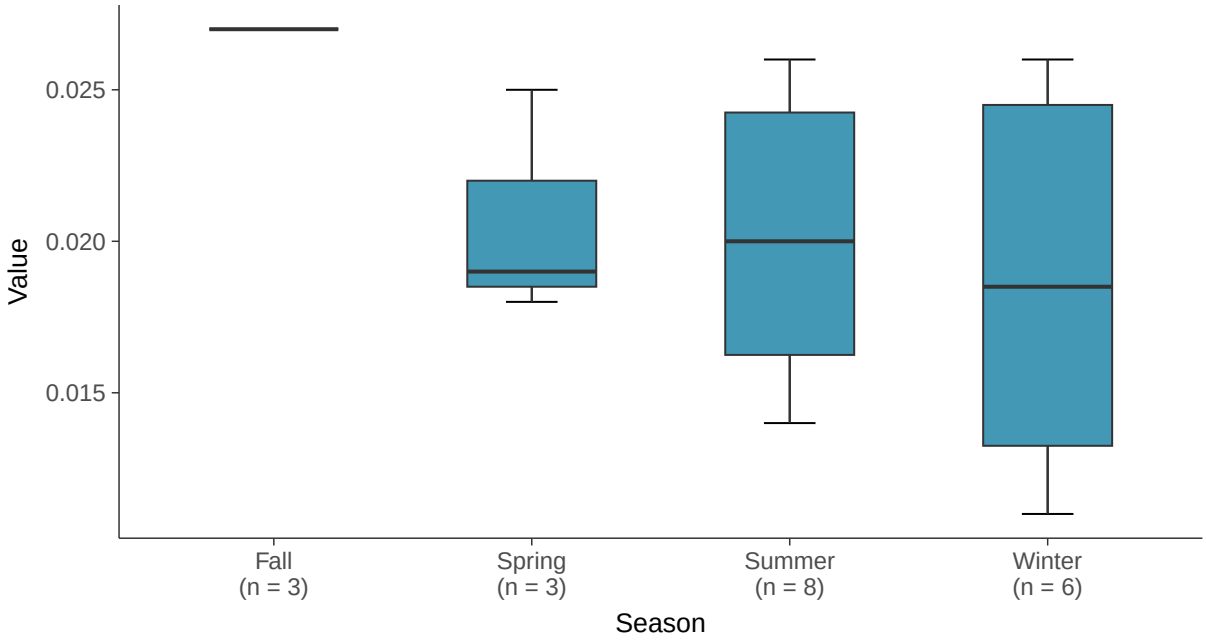
Boxplot

Nickel, MW-2 (mg/l)



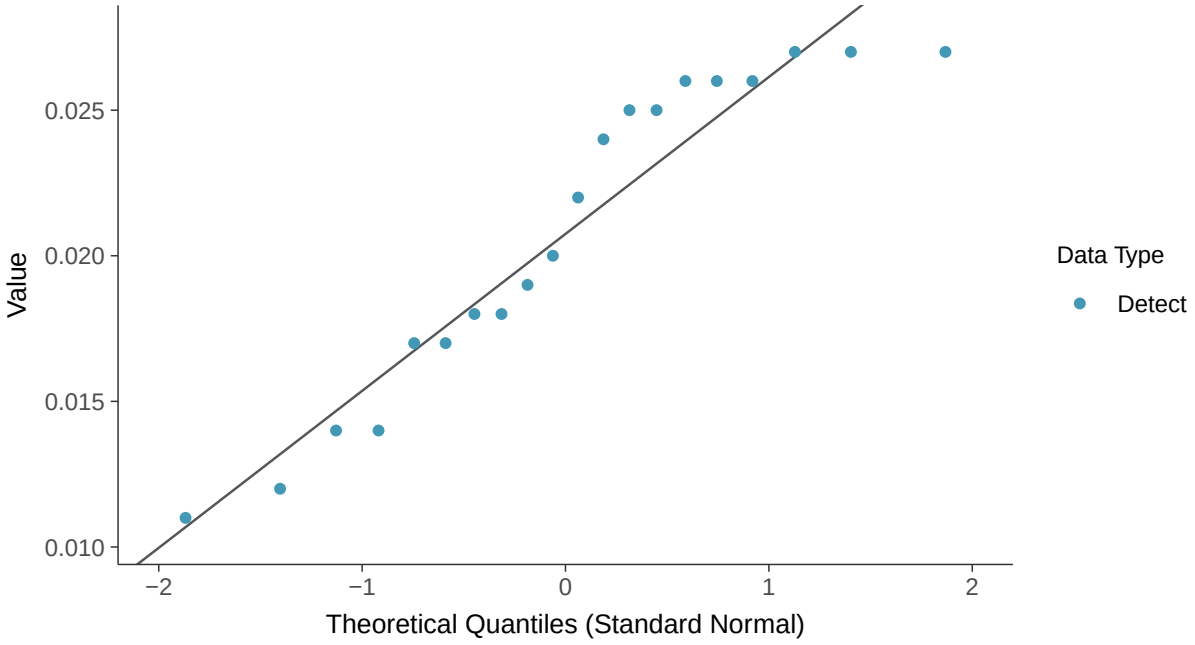
Boxplot by Season

Nickel, MW-2 (mg/l)



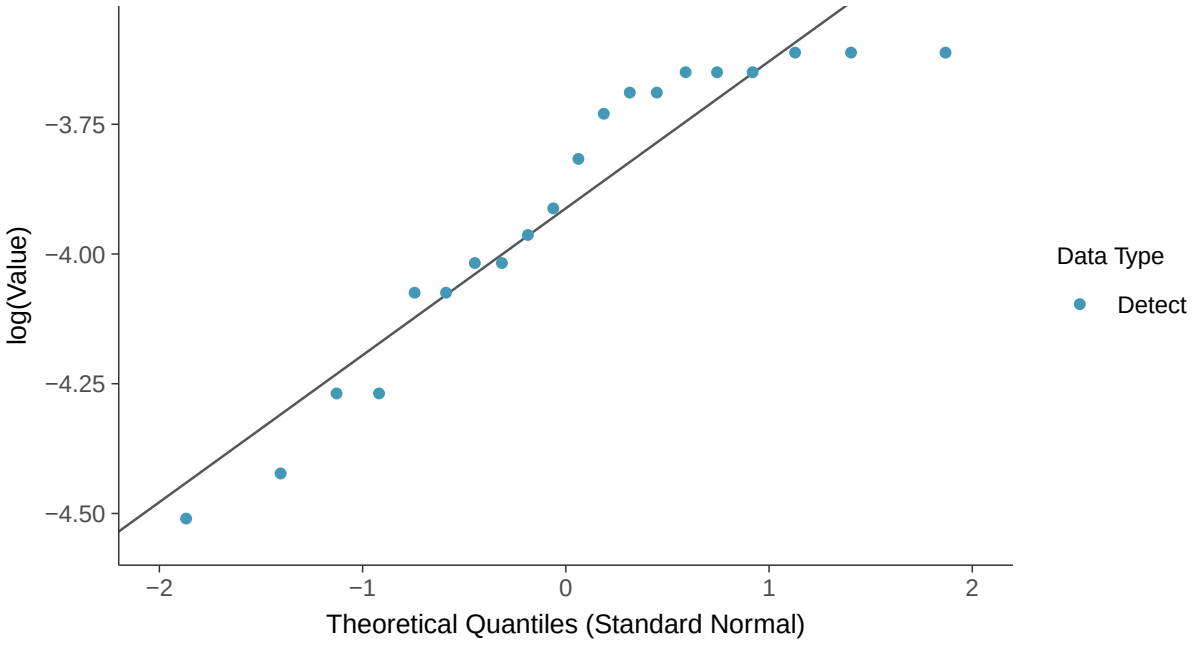
Normal Q-Q plot

Nickel, MW-2 (mg/l)



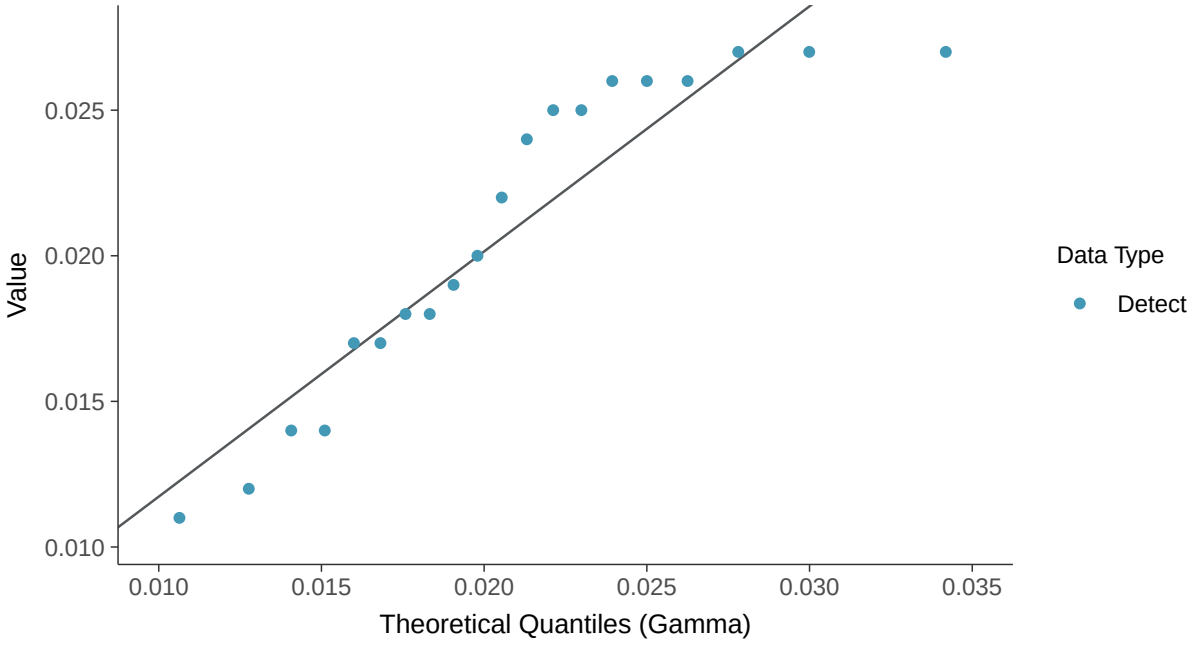
Lognormal Q-Q plot

Nickel, MW-2 (mg/l)



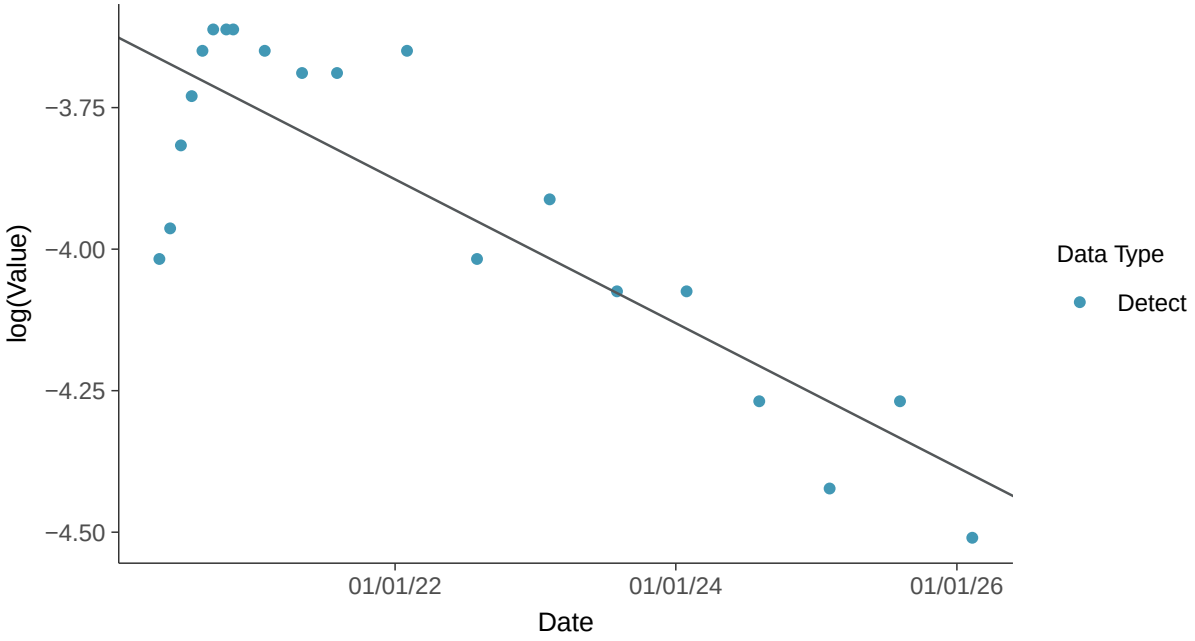
Gamma Q-Q plot

Nickel, MW-2 (mg/l)



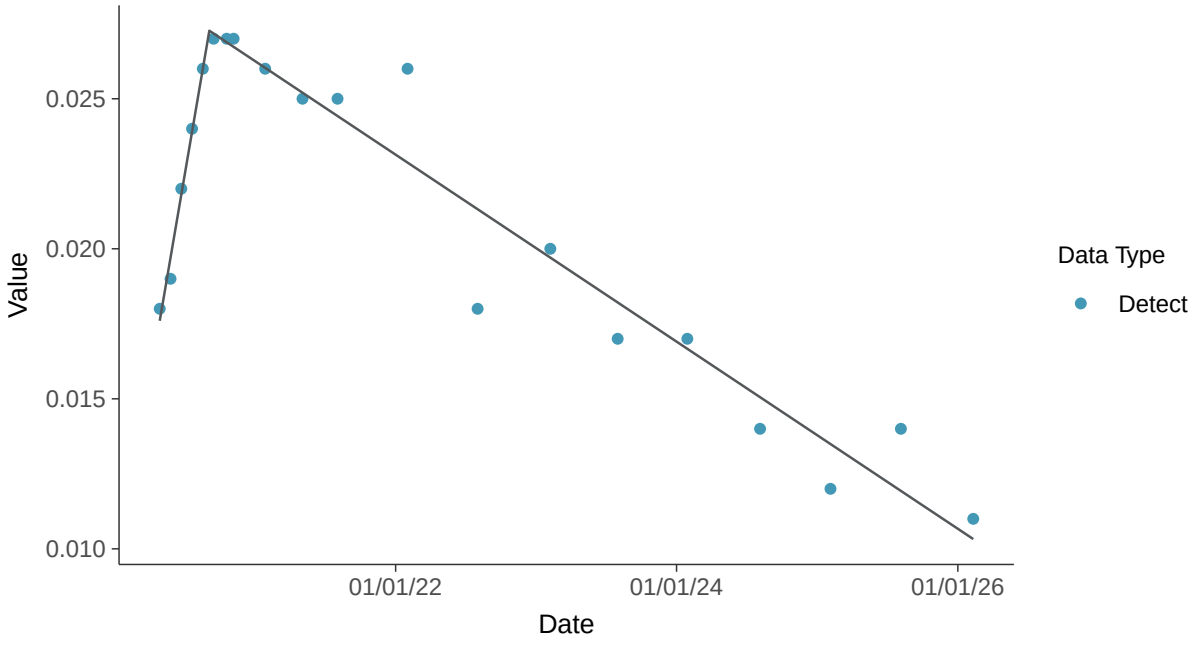
Trend Regression: Lognormal MLE

Nickel, MW-2 (mg/l)



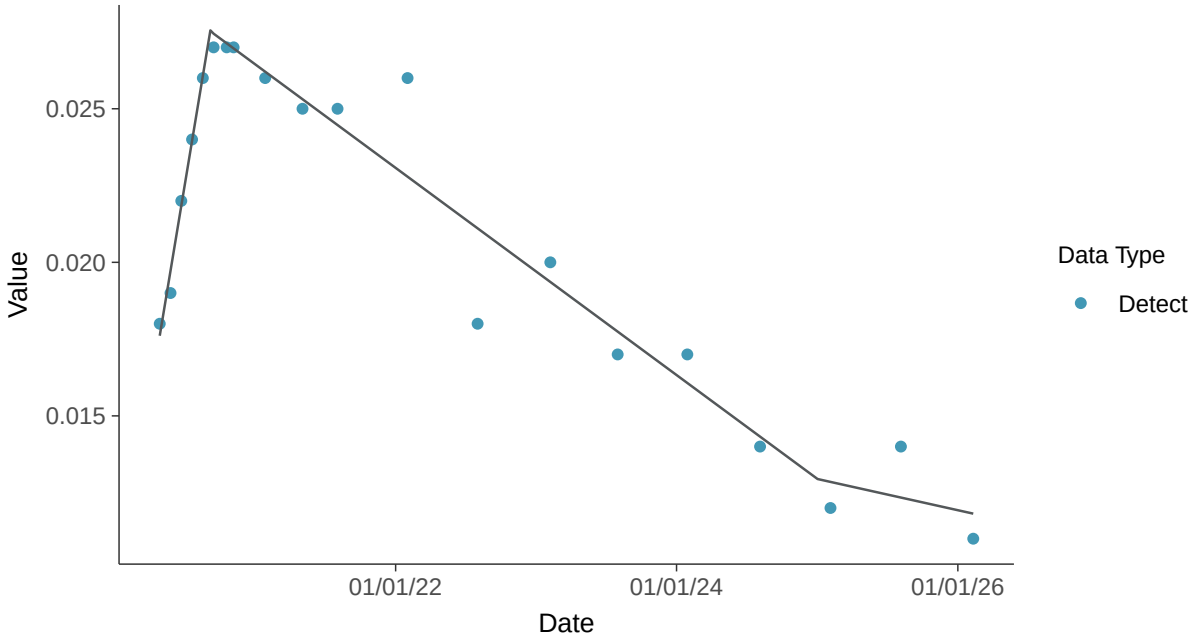
Trend Regression: Piecewise Linear-Linear

Nickel, MW-2 (mg/l)



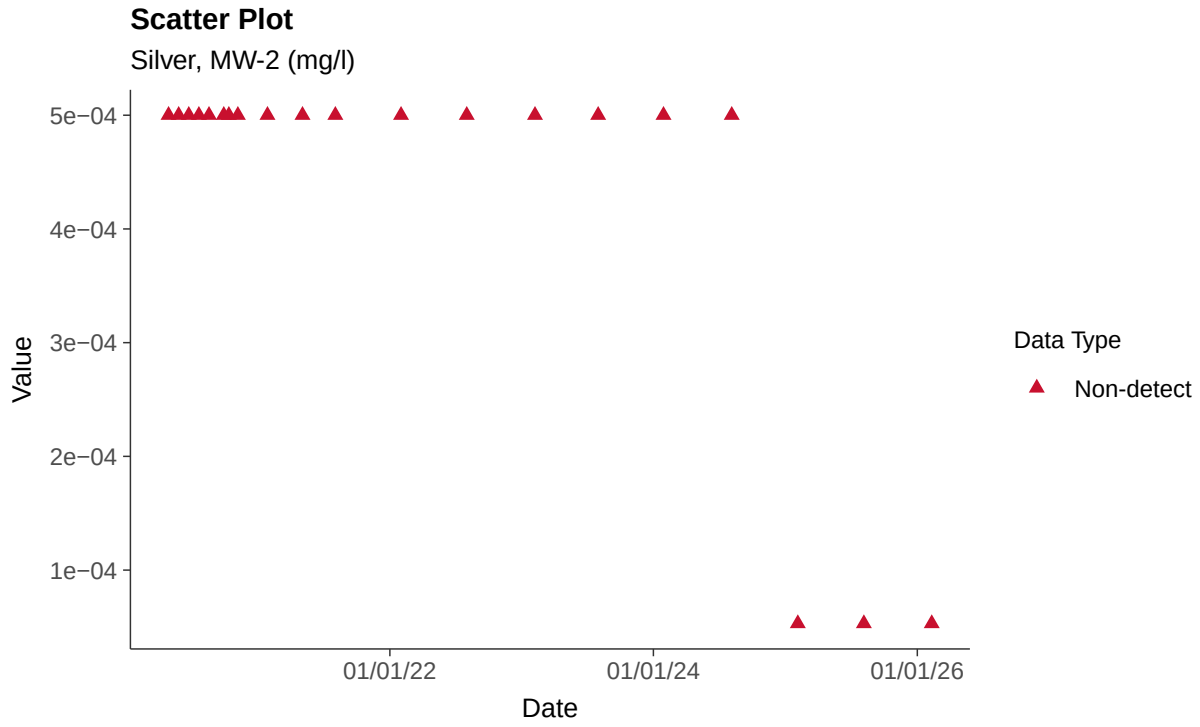
Trend Regression: Piecewise Linear-Linear-Linear

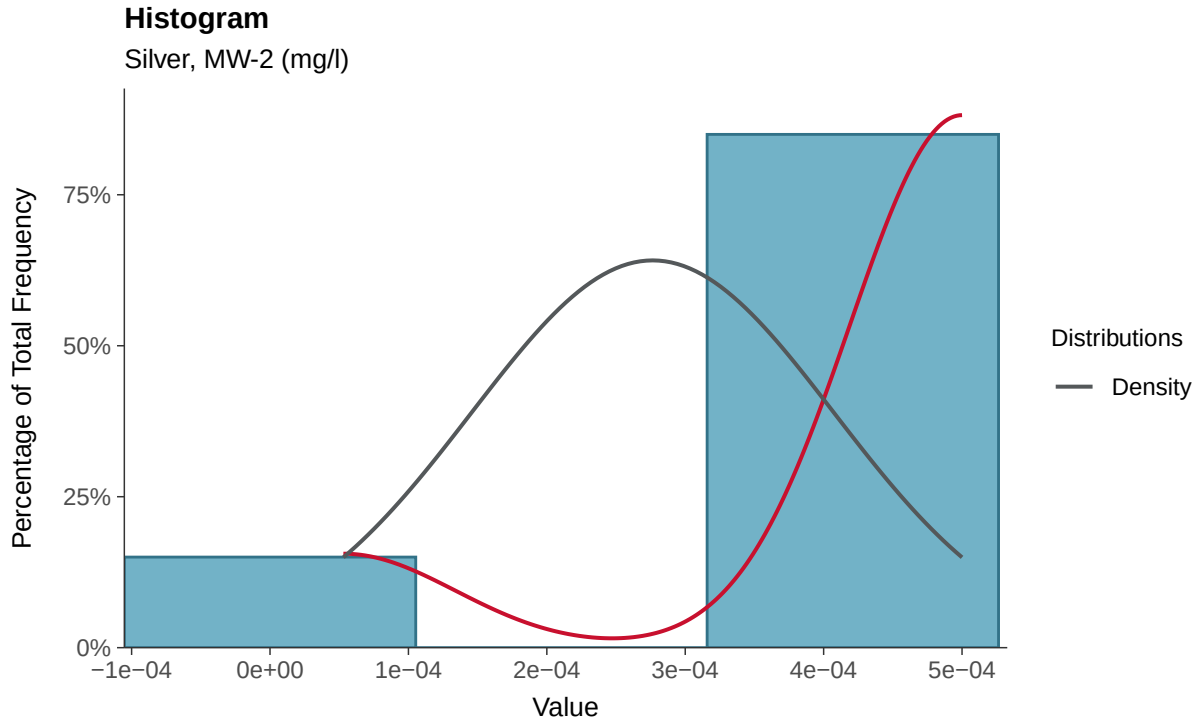
Nickel, MW-2 (mg/l)



Part 115: Silver, MW-2

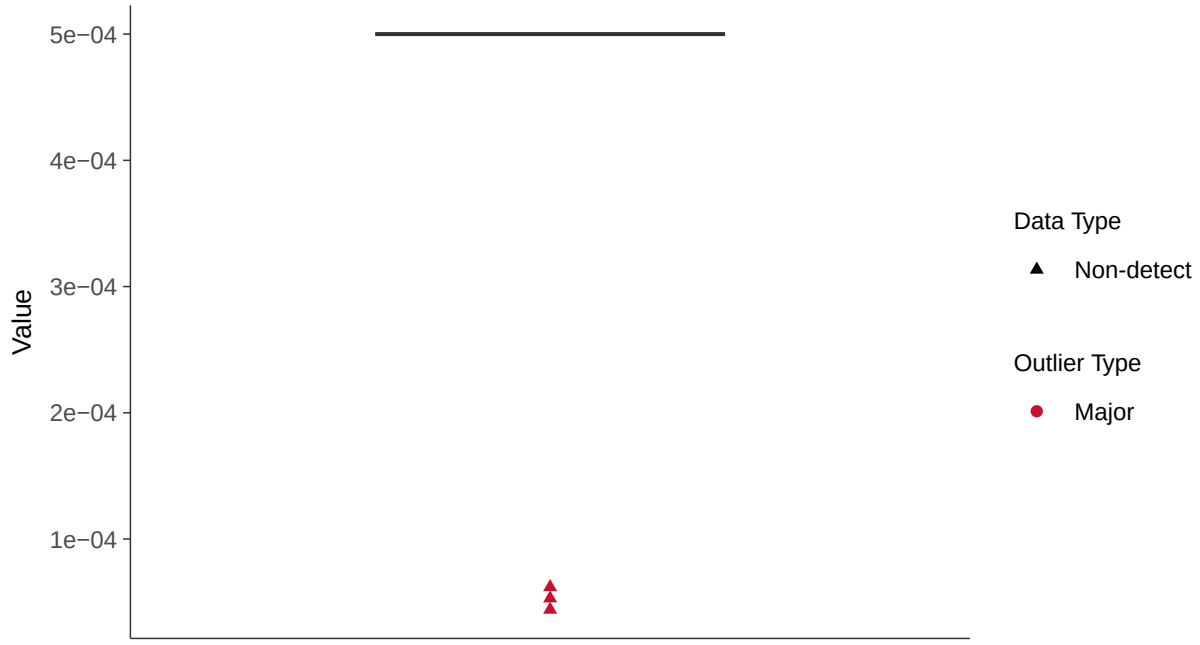
ID: 11_5_123





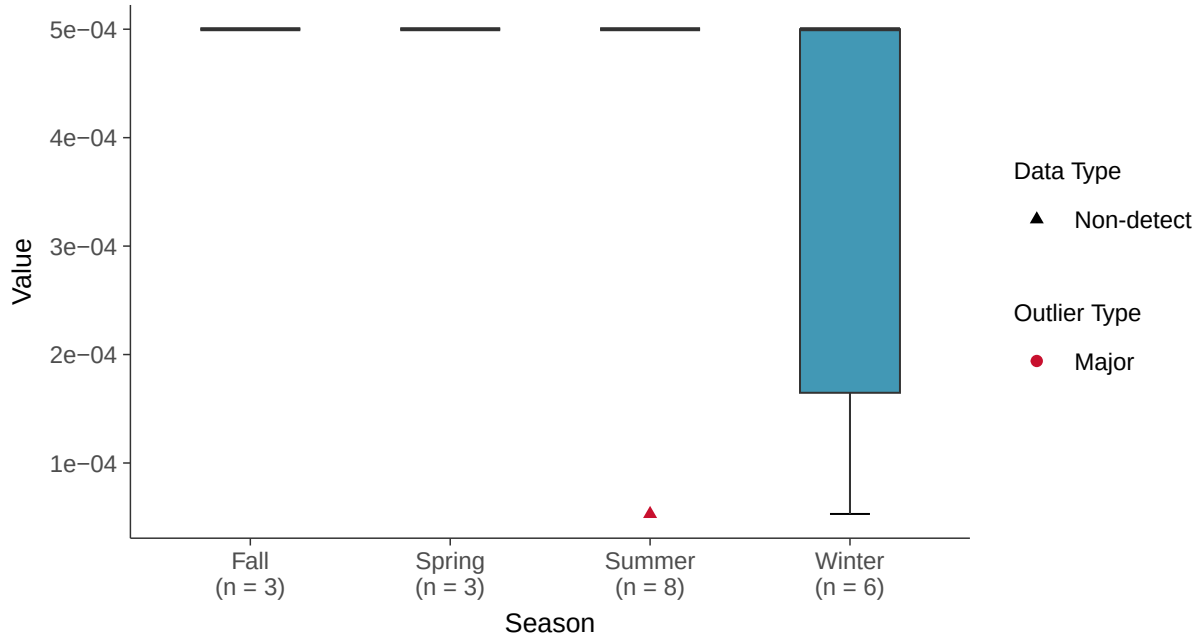
Boxplot

Silver, MW-2 (mg/l)



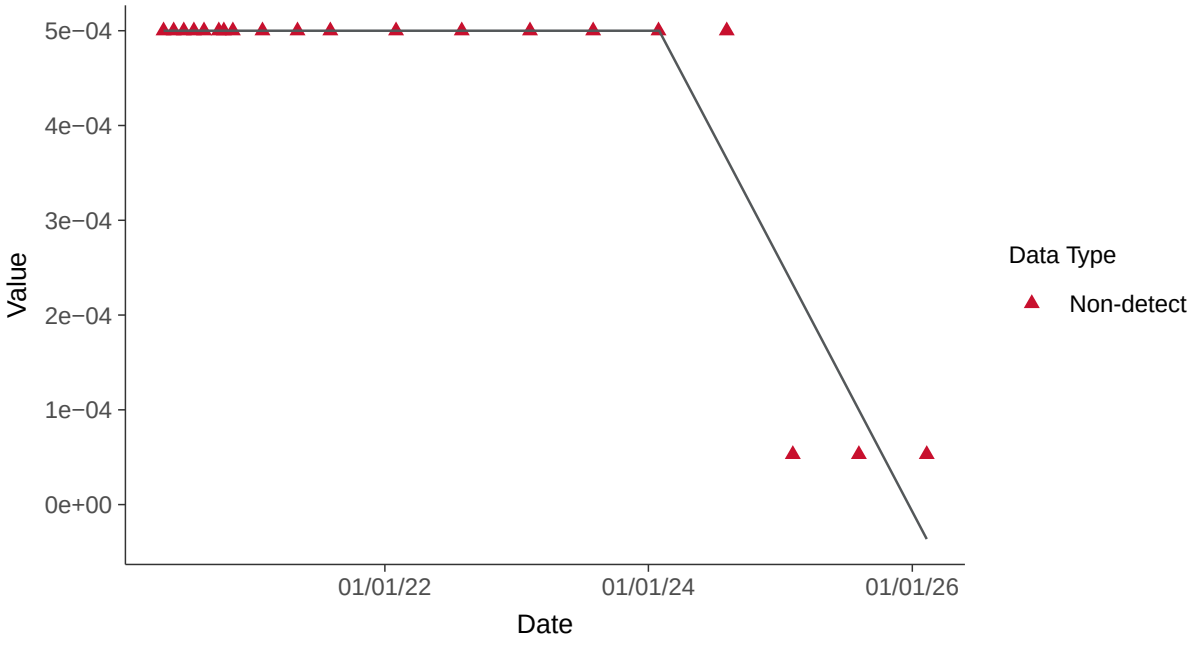
Boxplot by Season

Silver, MW-2 (mg/l)



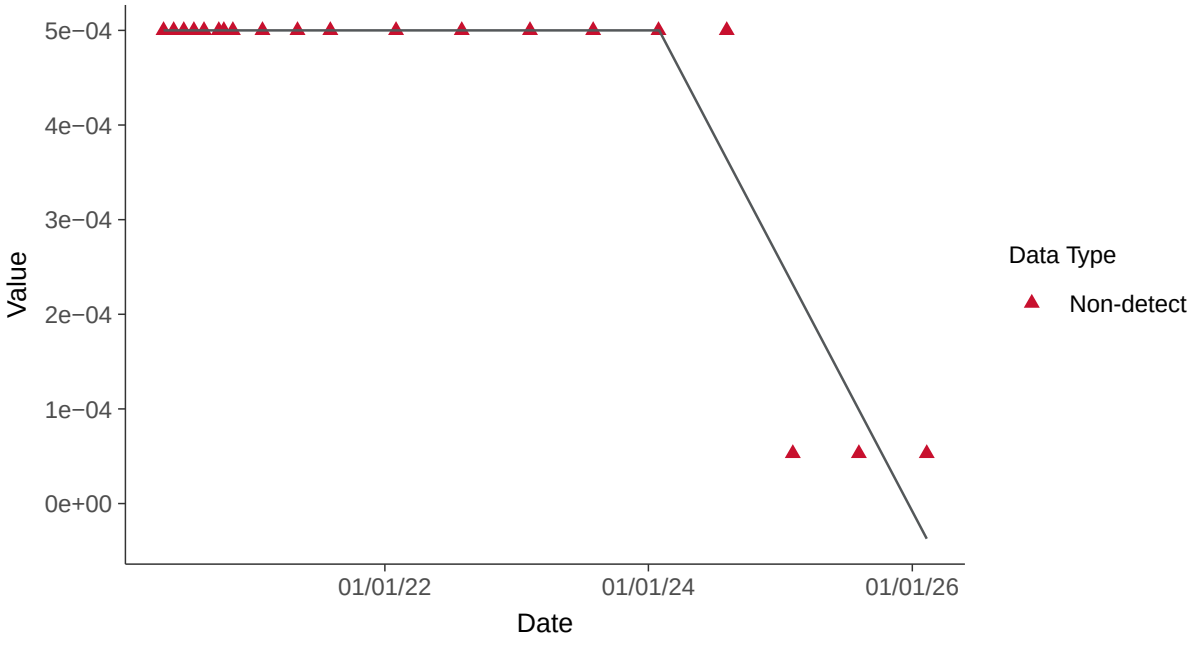
Trend Regression: Piecewise Linear-Linear

Silver, MW-2 (mg/l)



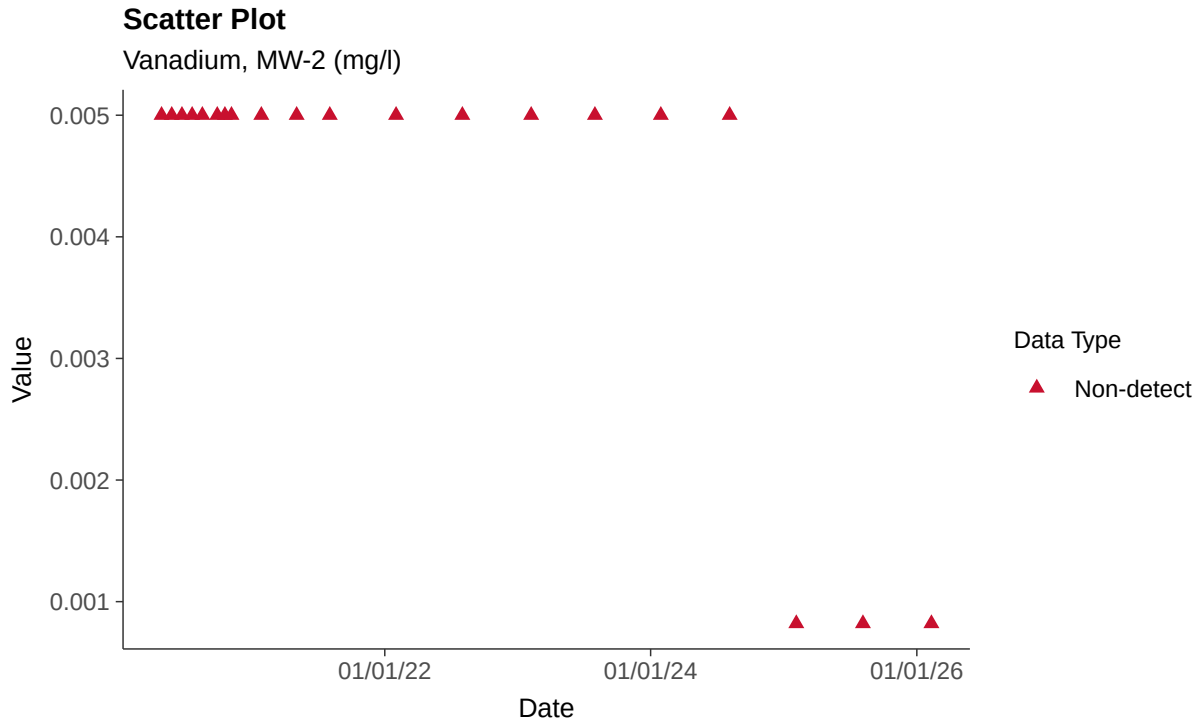
Trend Regression: Piecewise Linear-Linear-Linear

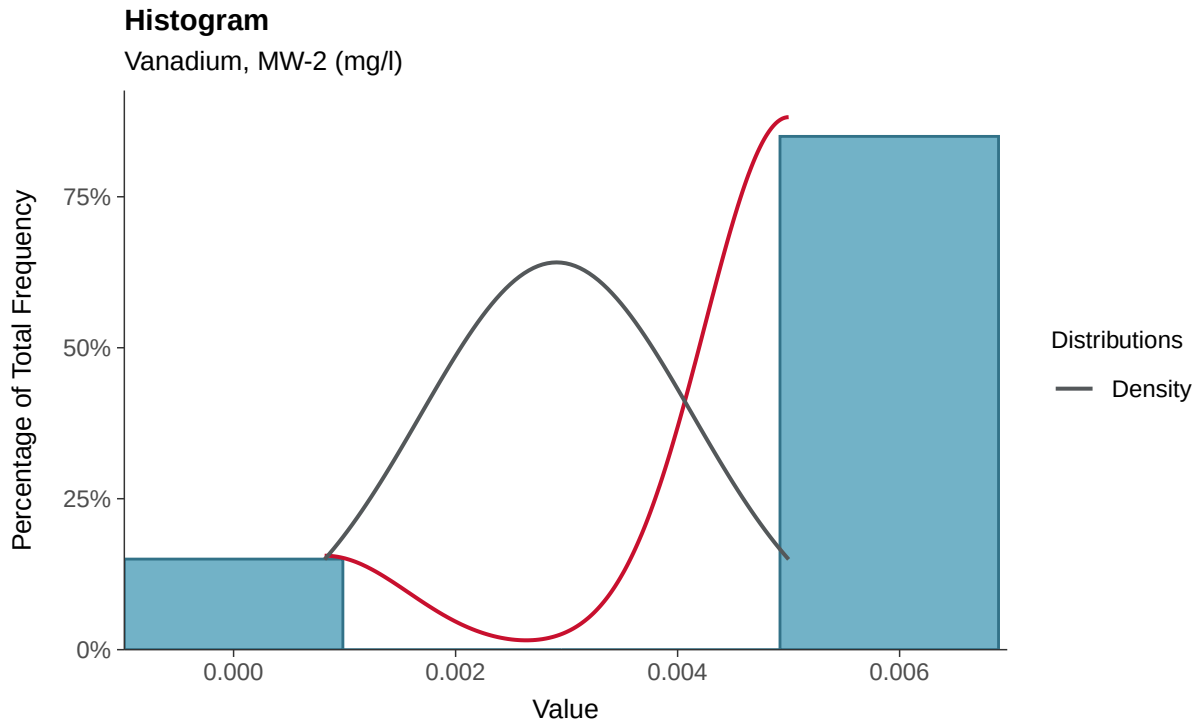
Silver, MW-2 (mg/l)



Part 115: Vanadium, MW-2

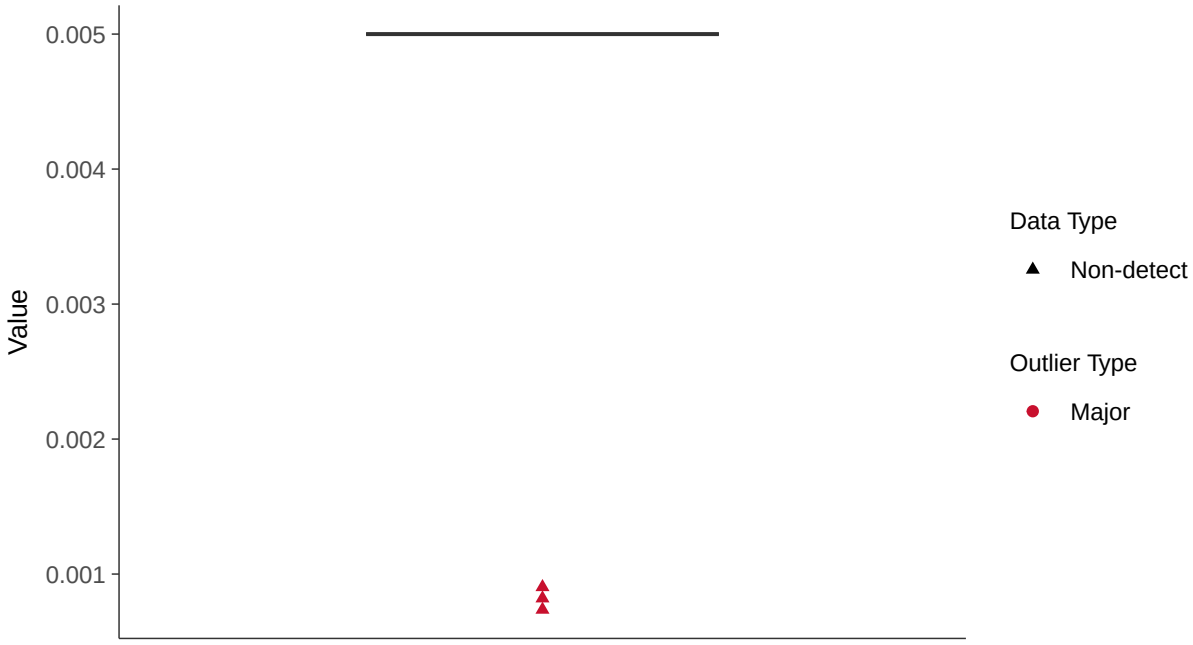
ID: 11_5_128





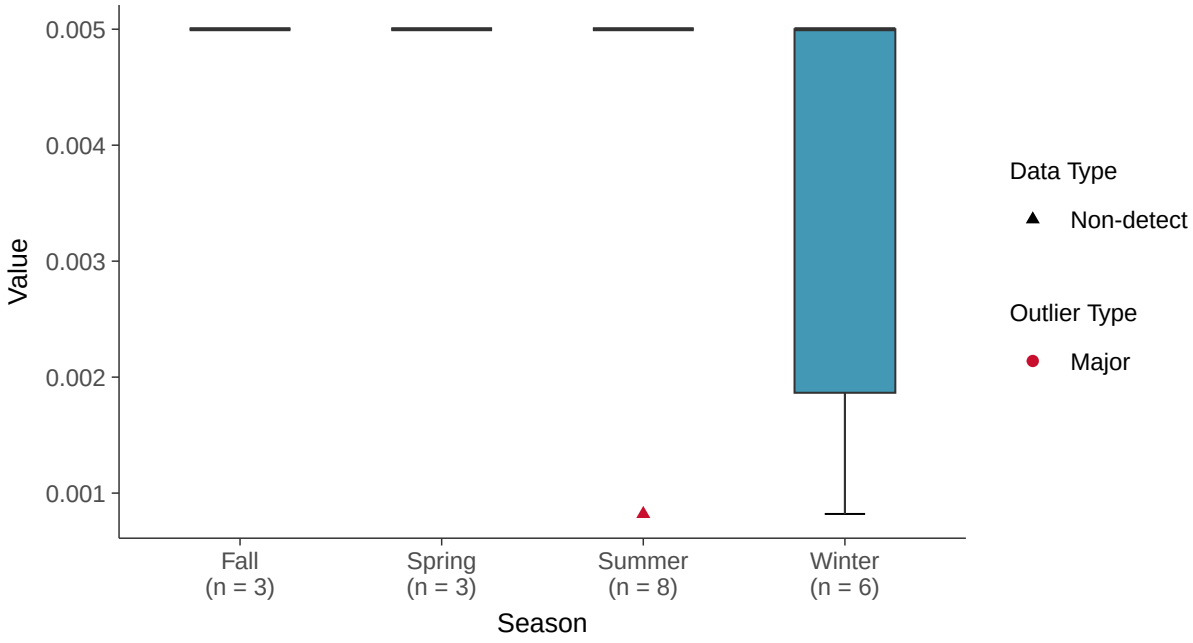
Boxplot

Vanadium, MW-2 (mg/l)



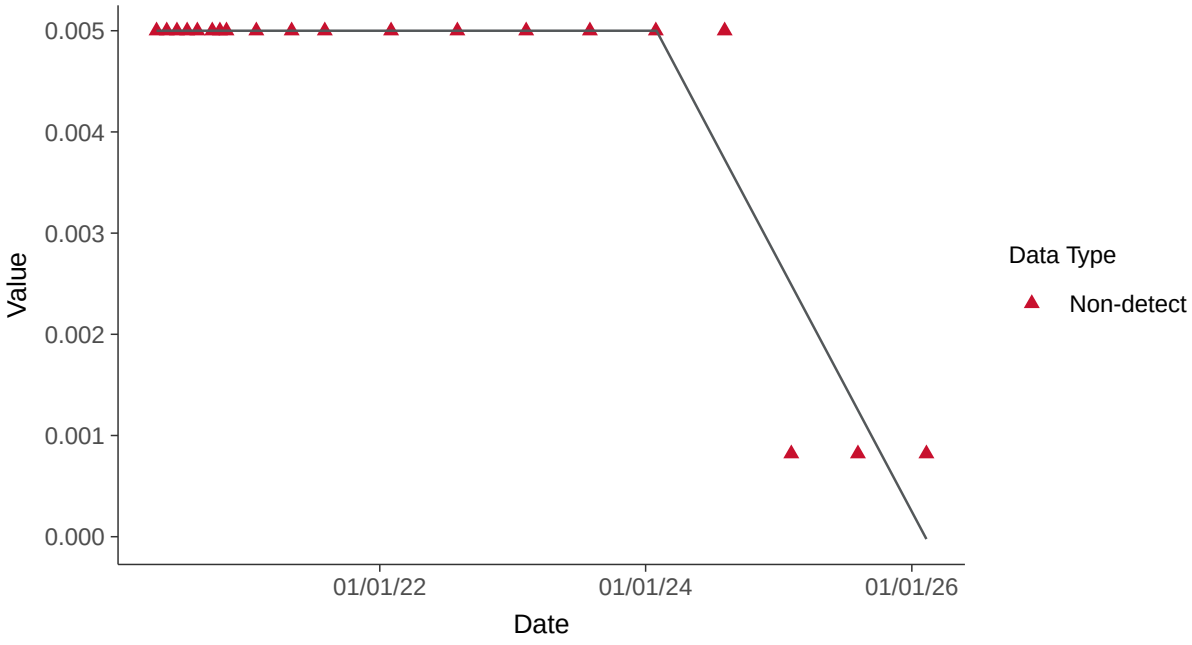
Boxplot by Season

Vanadium, MW-2 (mg/l)



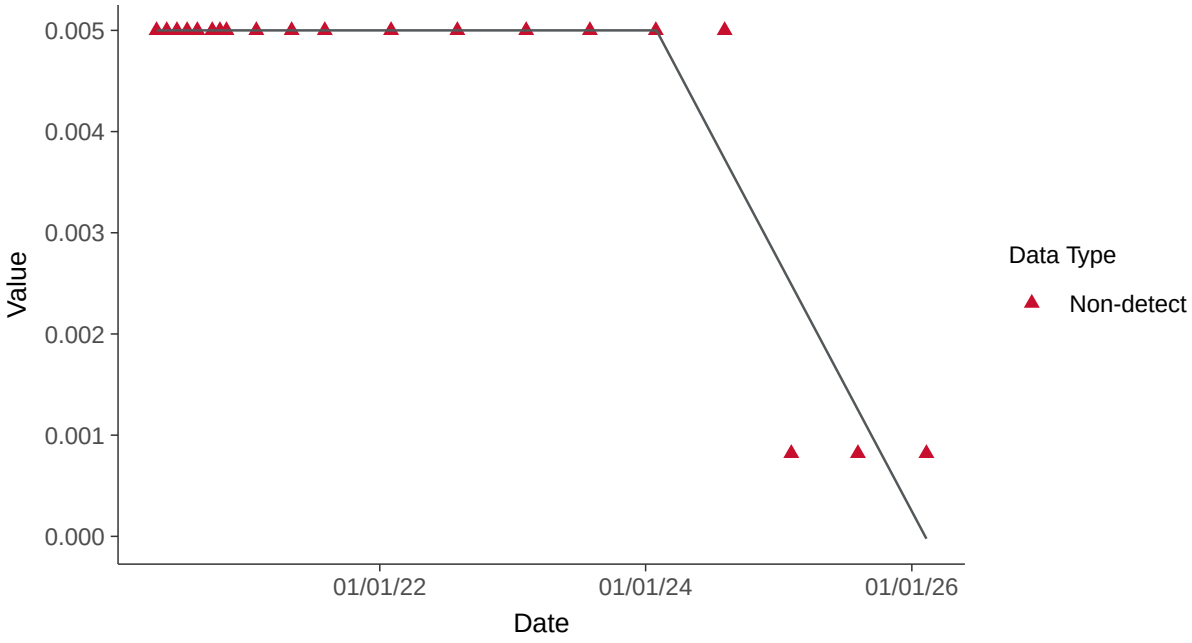
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-2 (mg/l)



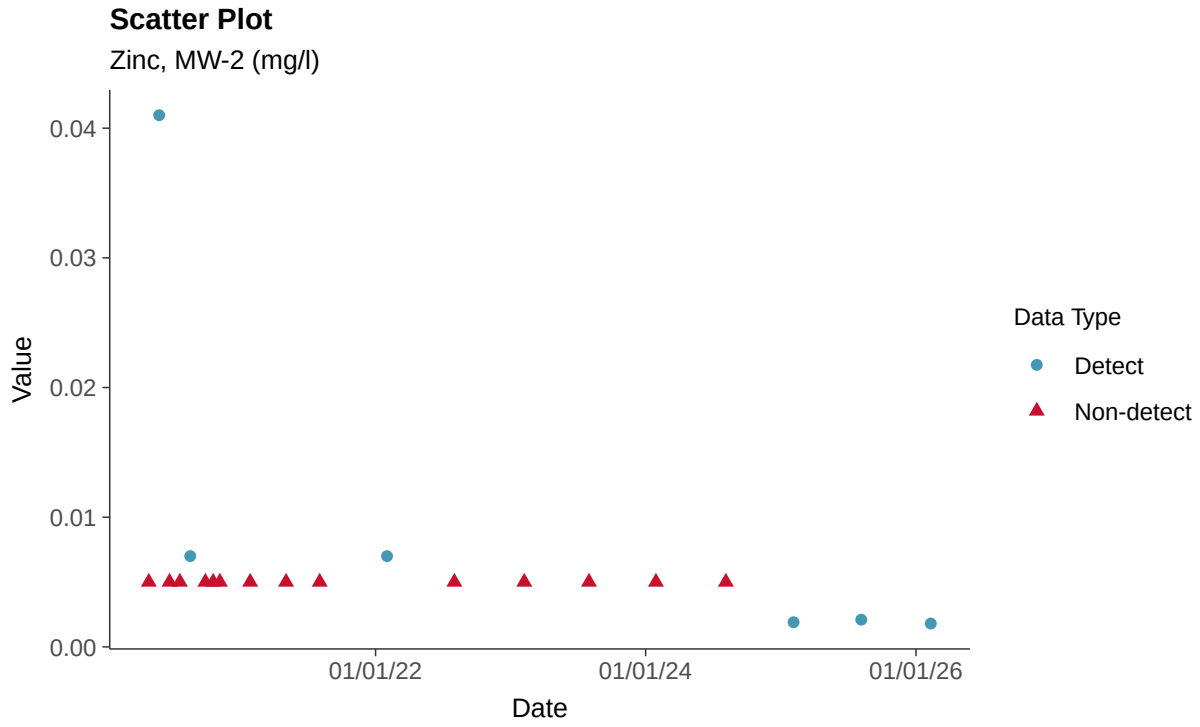
Trend Regression: Piecewise Linear-Linear-Linear

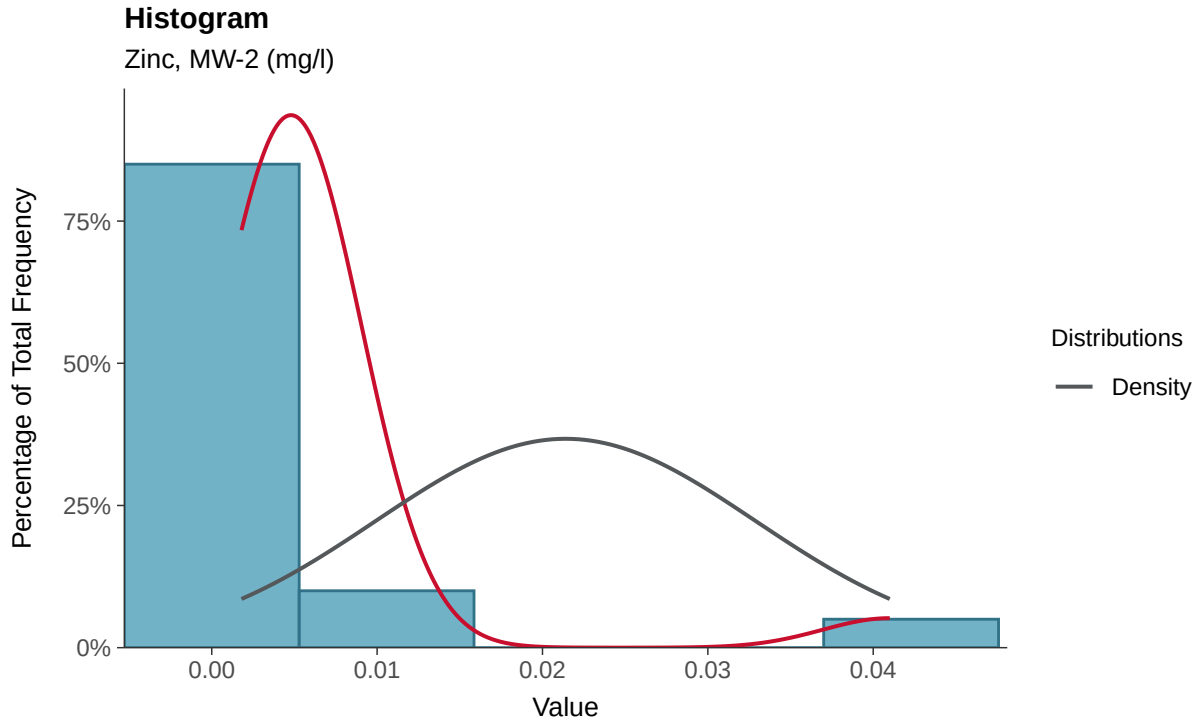
Vanadium, MW-2 (mg/l)



Part 115: Zinc, MW-2

ID: 11_5_129



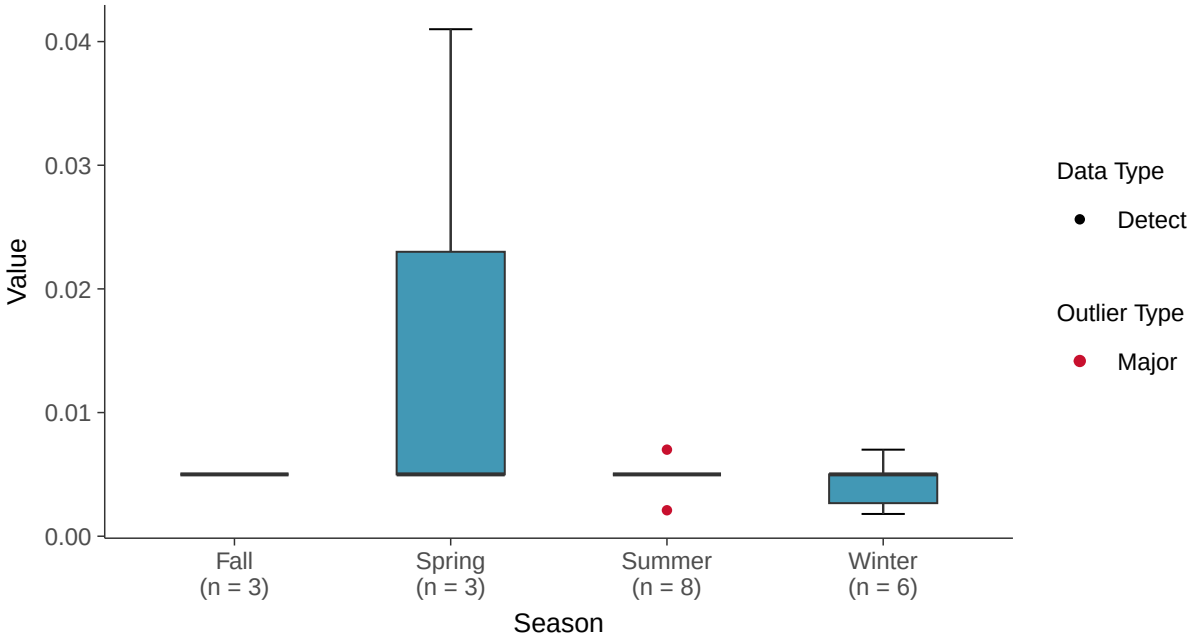


Boxplot

Zinc, MW-2 (mg/l)

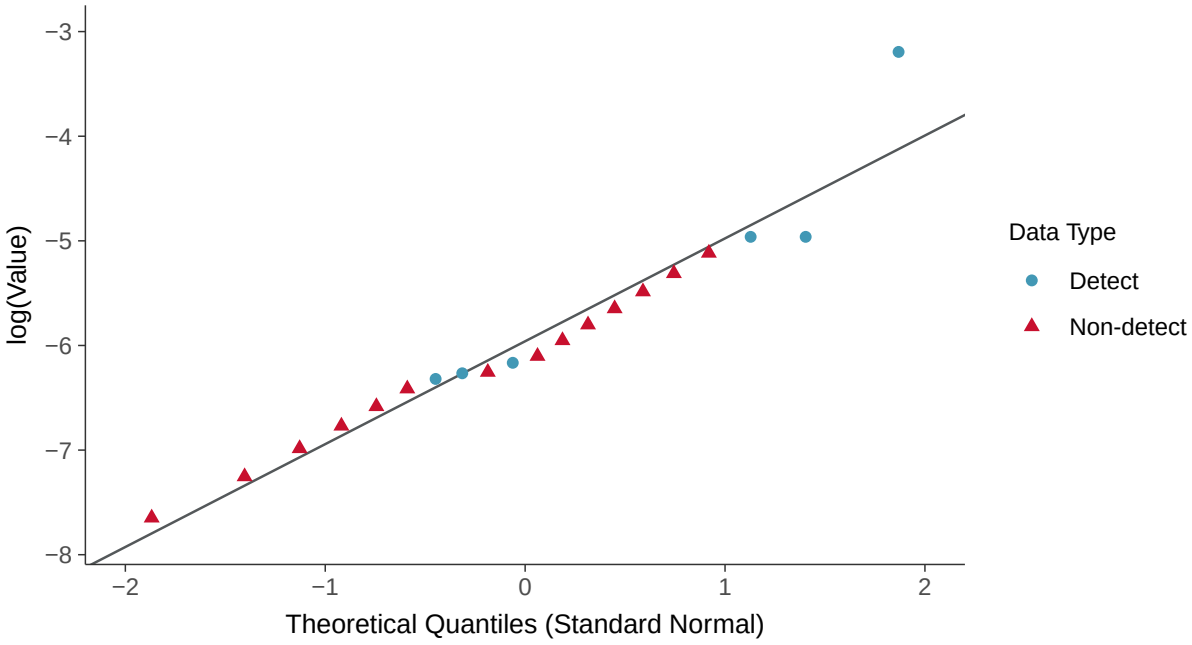
Boxplot by Season

Zinc, MW-2 (mg/l)



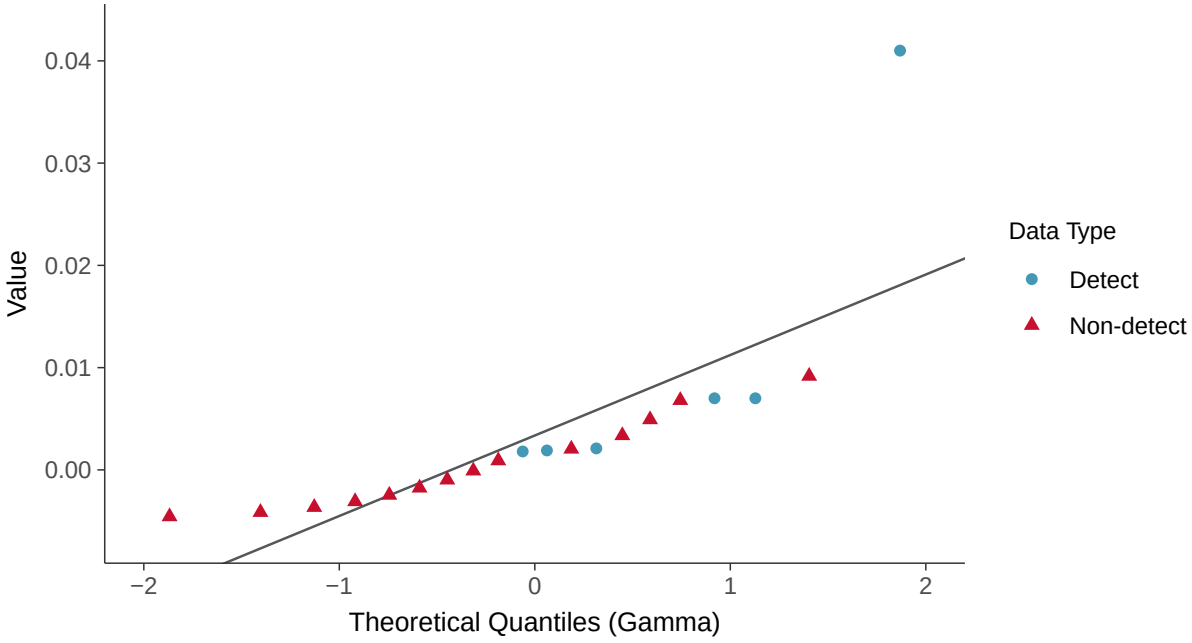
Lognormal Q-Q plot using ROS Imputed Estimates

Zinc, MW-2 (mg/l)



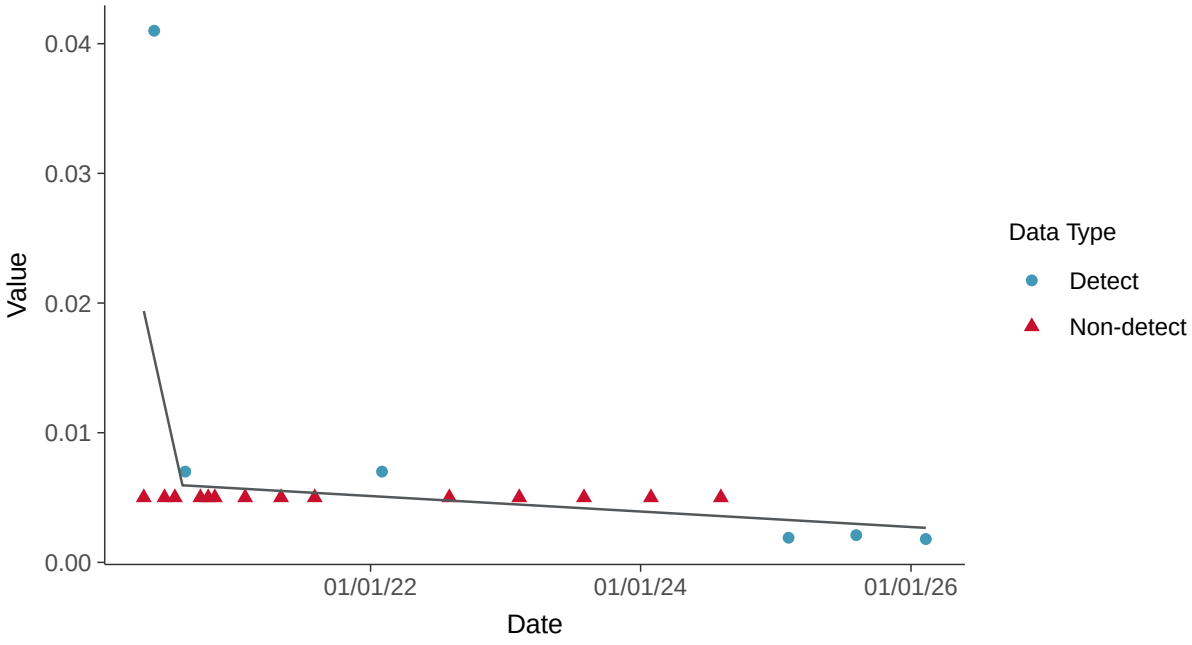
Gamma Q-Q plot using ROS Imputed Estimates

Zinc, MW-2 (mg/l)



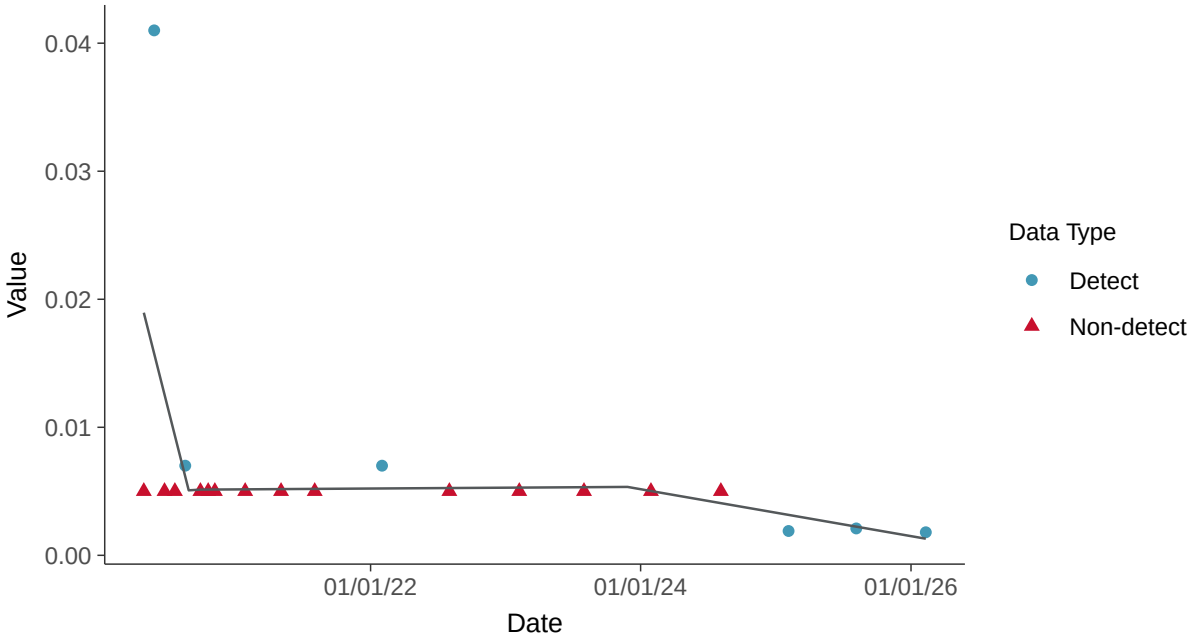
Trend Regression: Piecewise Linear-Linear

Zinc, MW-2 (mg/l)



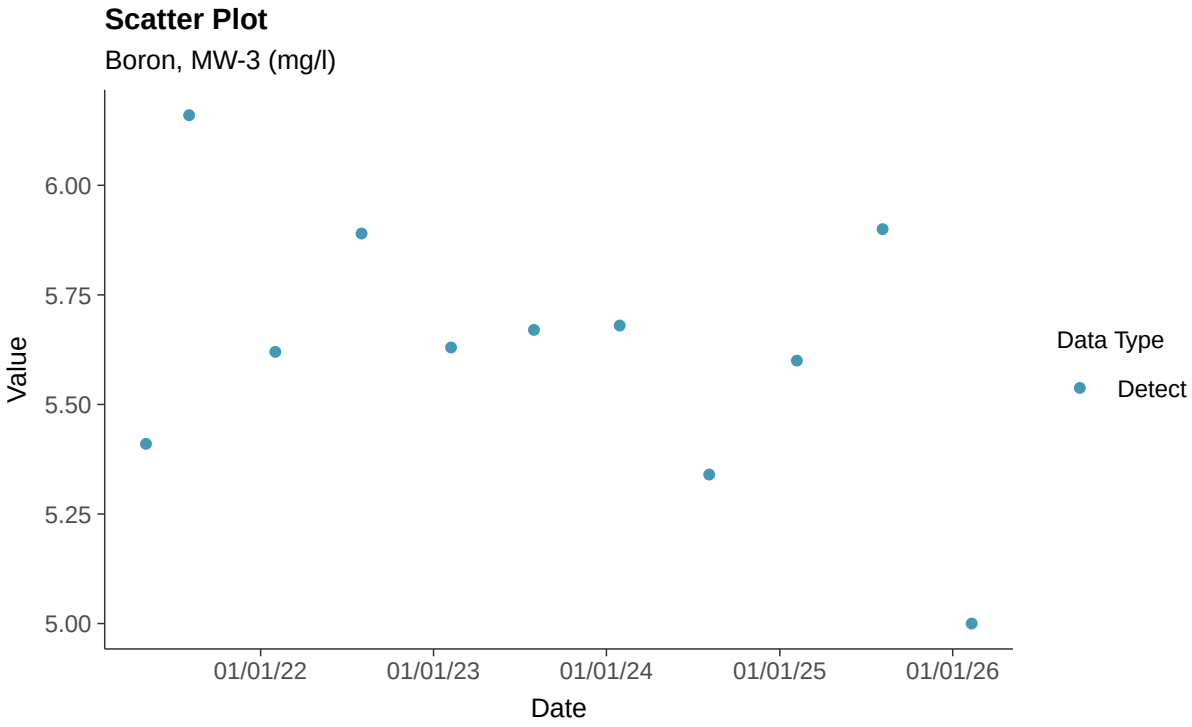
Trend Regression: Piecewise Linear-Linear-Linear

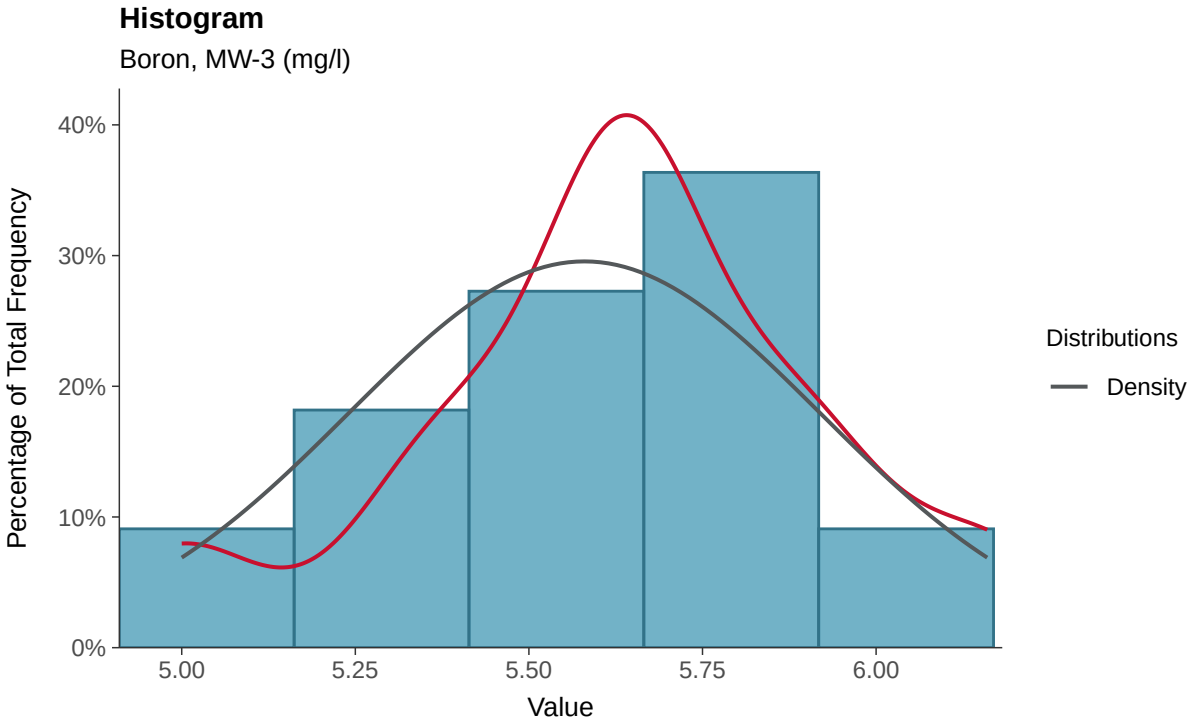
Zinc, MW-2 (mg/l)



Appendix III: Boron, MW-3

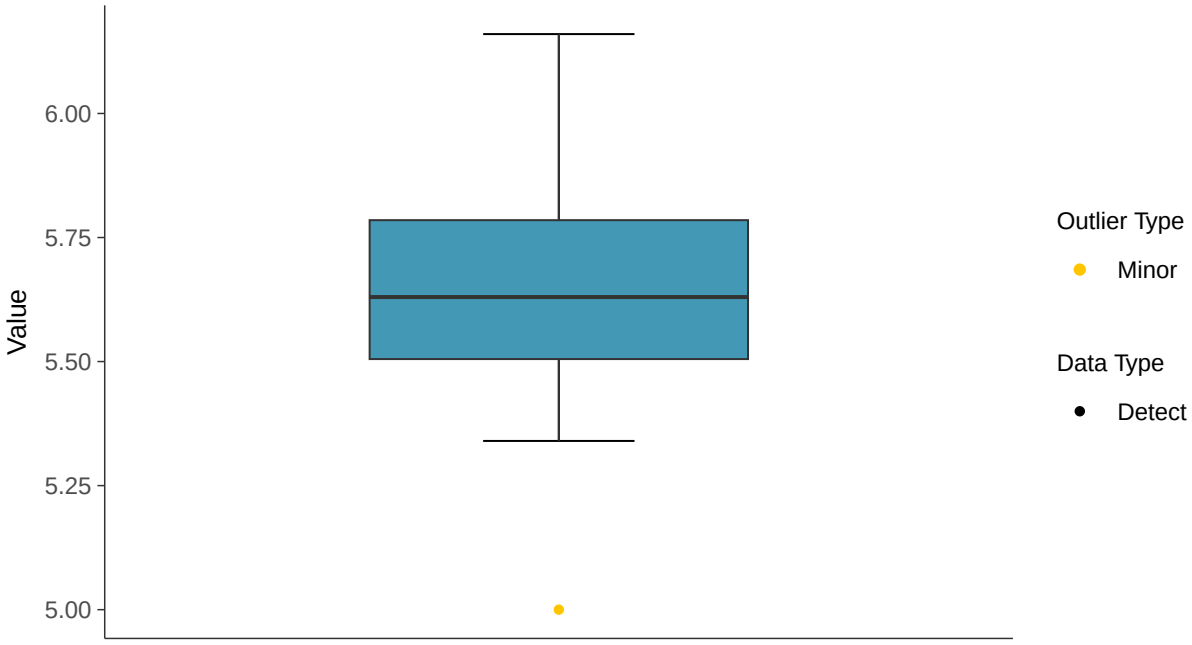
ID: 12_2_105





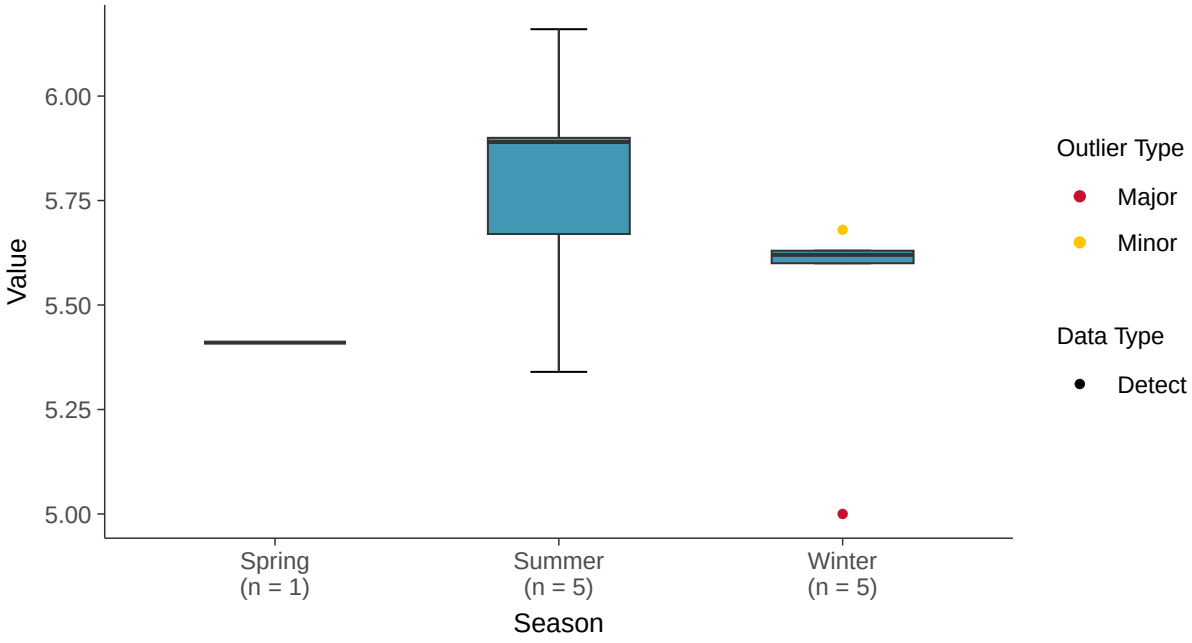
Boxplot

Boron, MW-3 (mg/l)



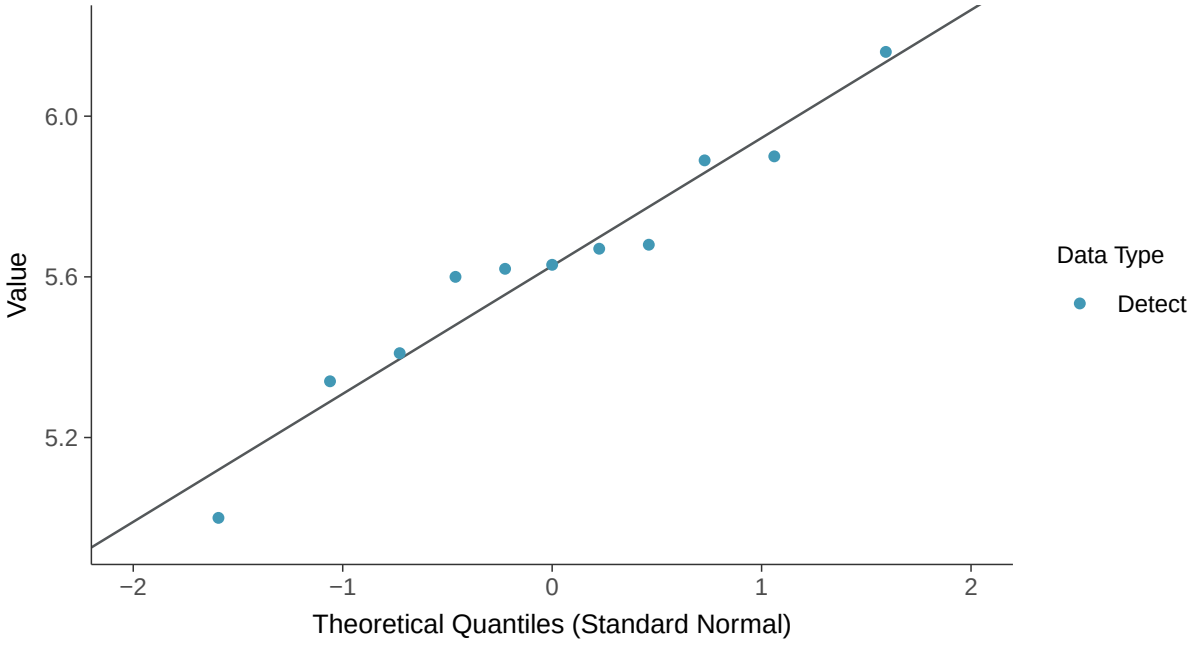
Boxplot by Season

Boron, MW-3 (mg/l)



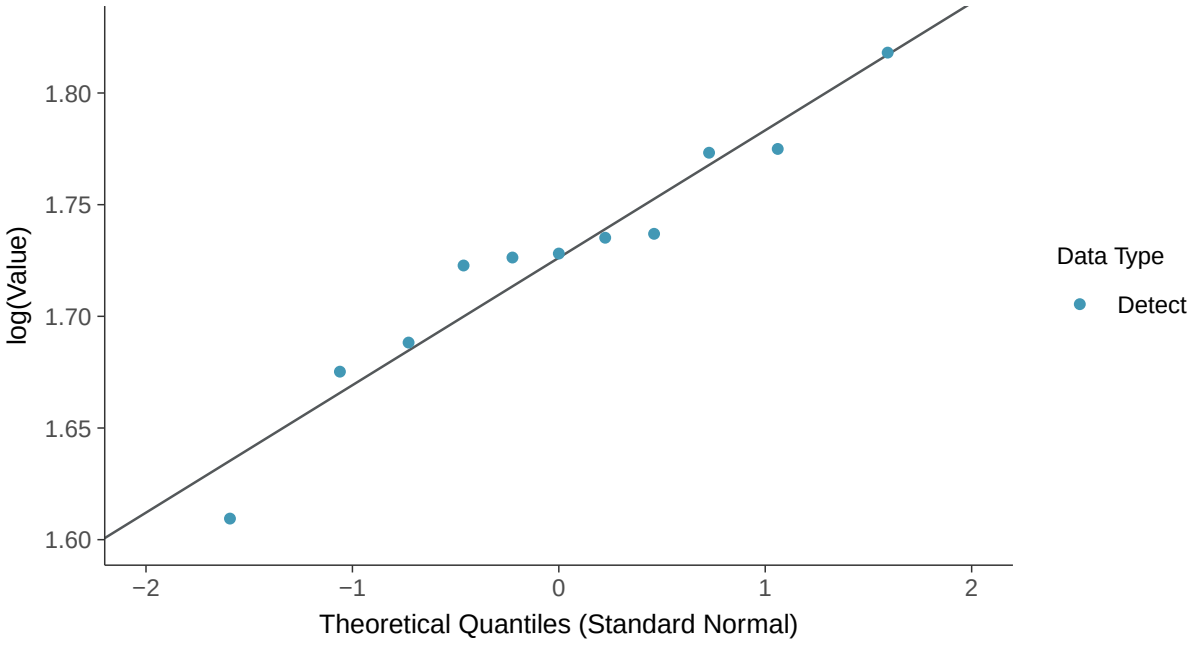
Normal Q-Q plot

Boron, MW-3 (mg/l)



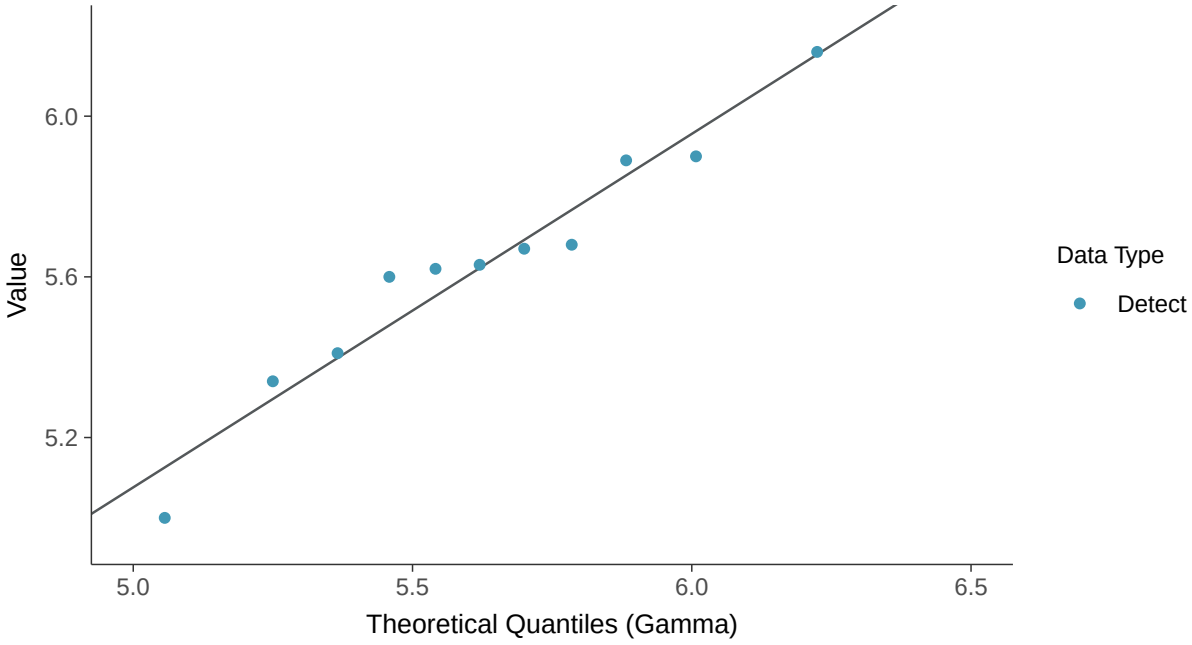
Lognormal Q-Q plot

Boron, MW-3 (mg/l)



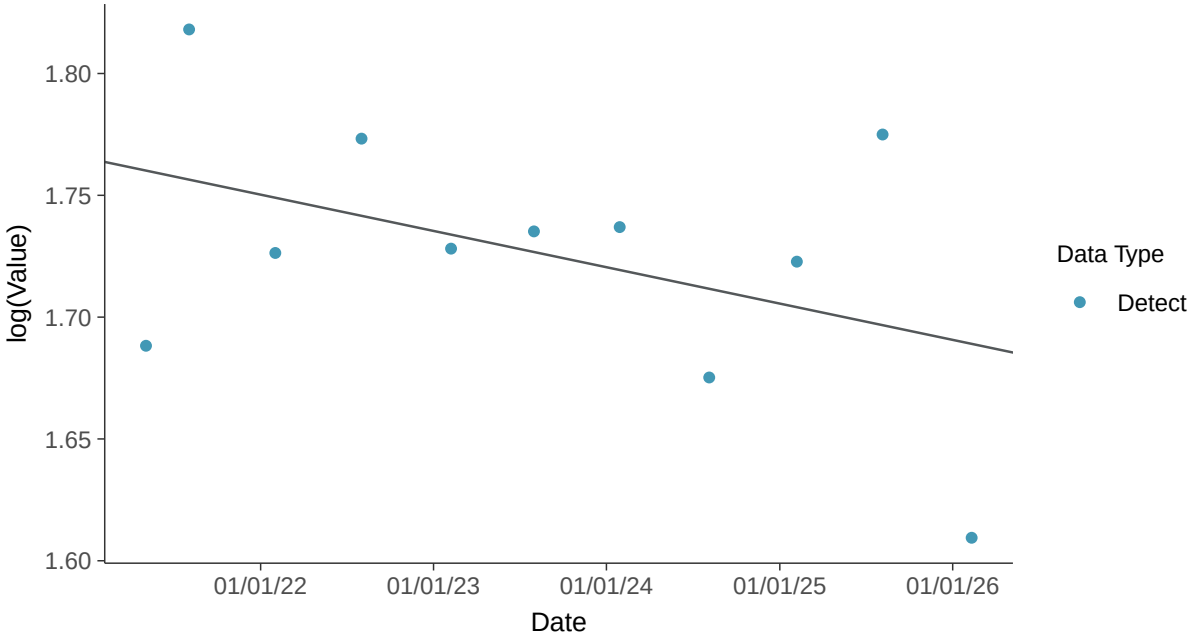
Gamma Q-Q plot

Boron, MW-3 (mg/l)



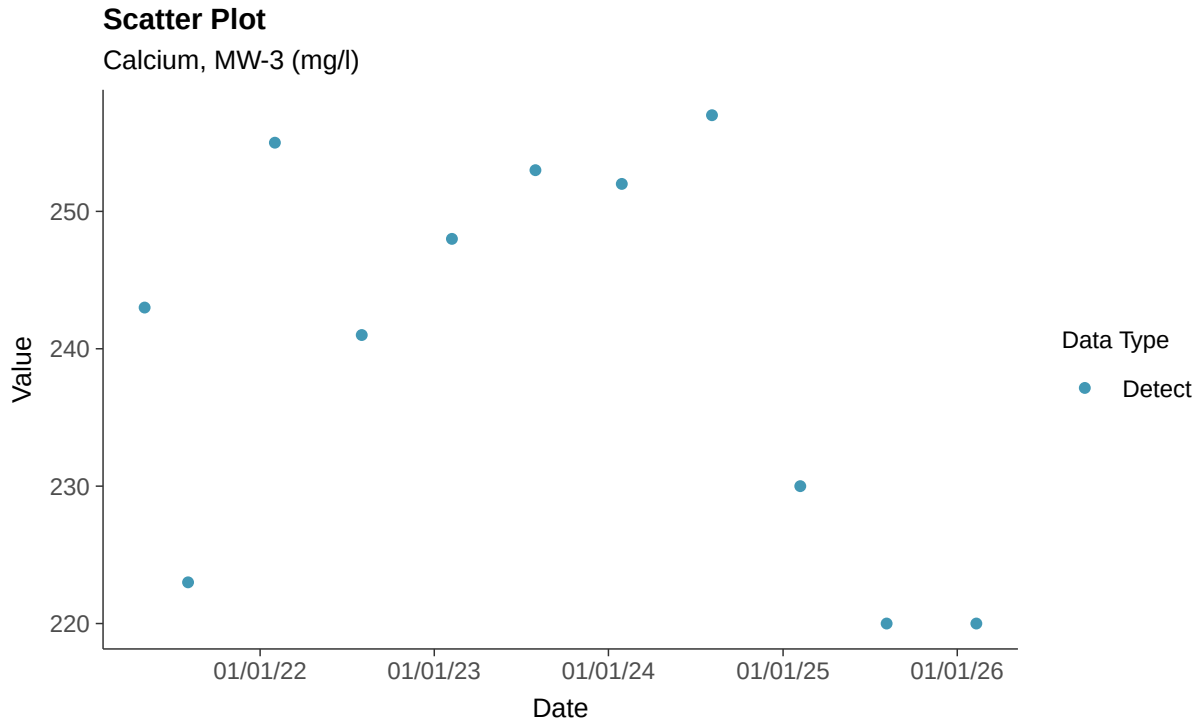
Trend Regression: Lognormal MLE

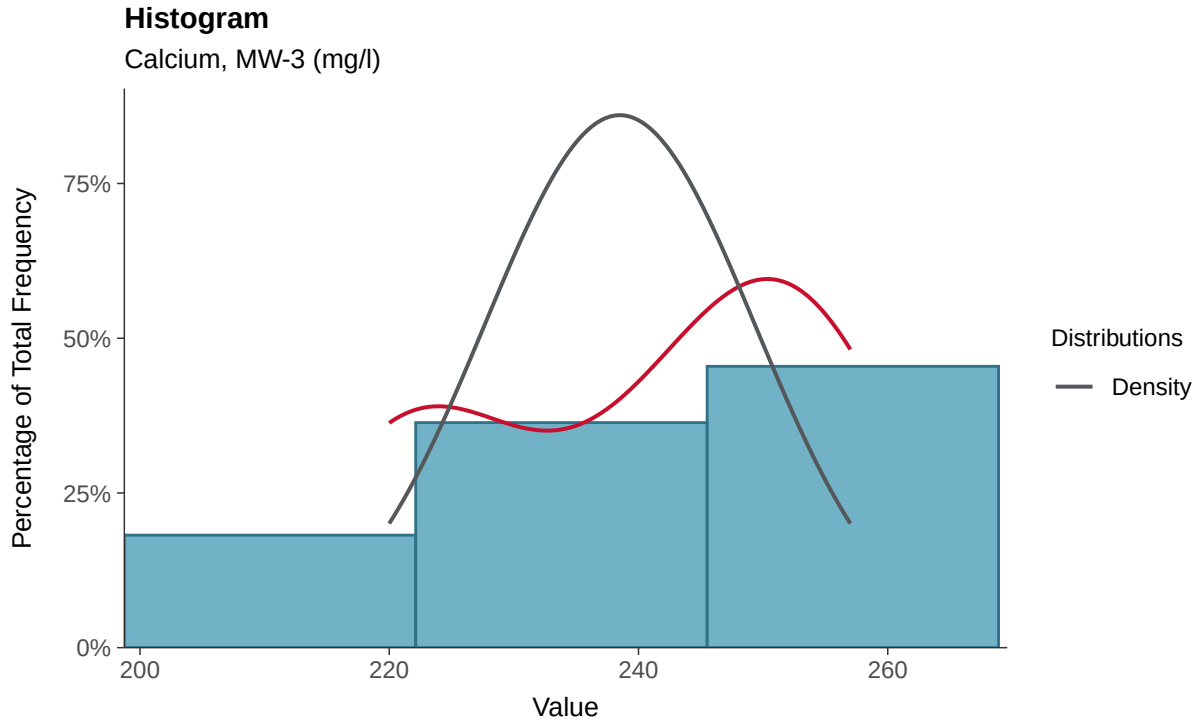
Boron, MW-3 (mg/l)



Appendix III: Calcium, MW-3

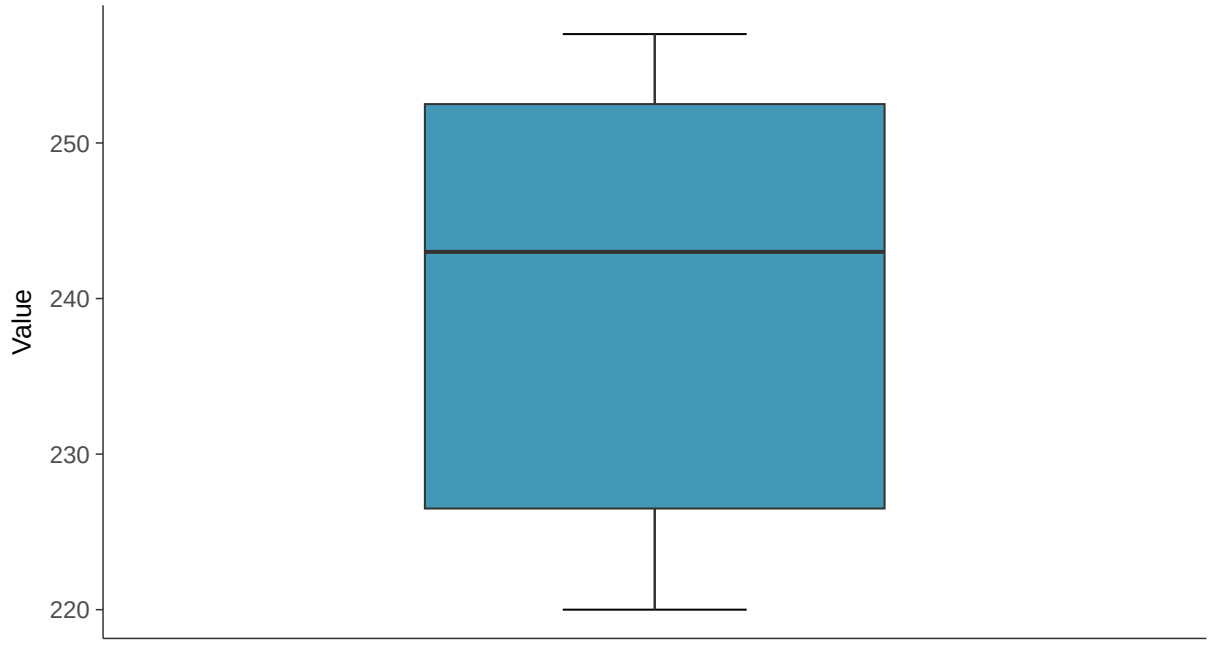
ID: 12_2_107





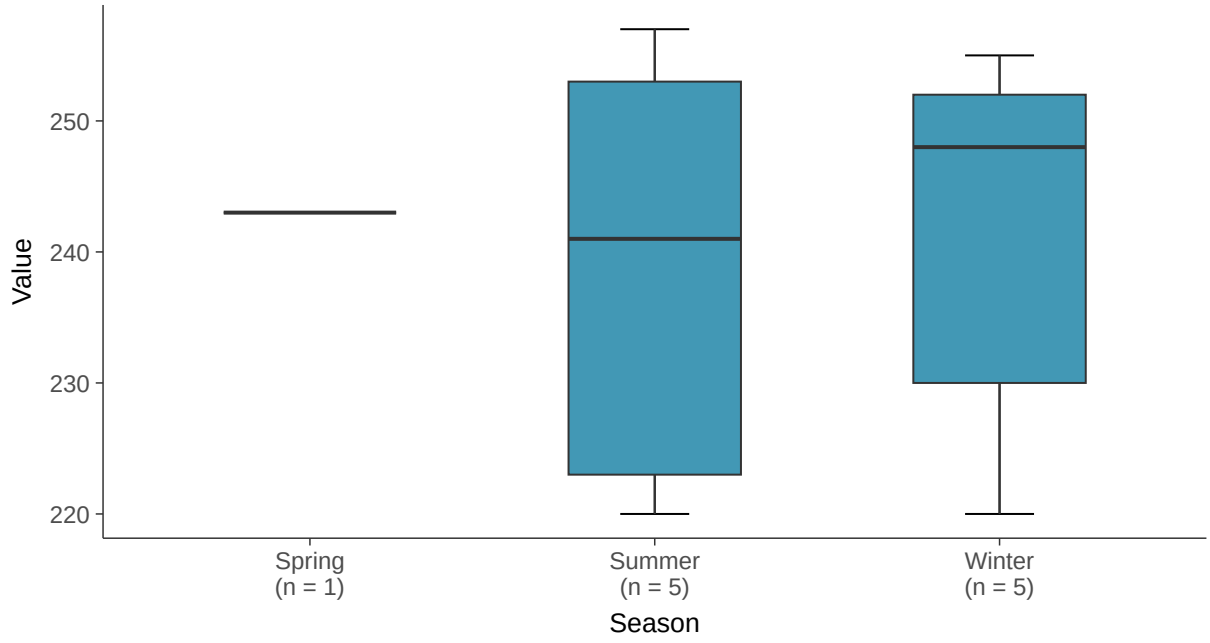
Boxplot

Calcium, MW-3 (mg/l)



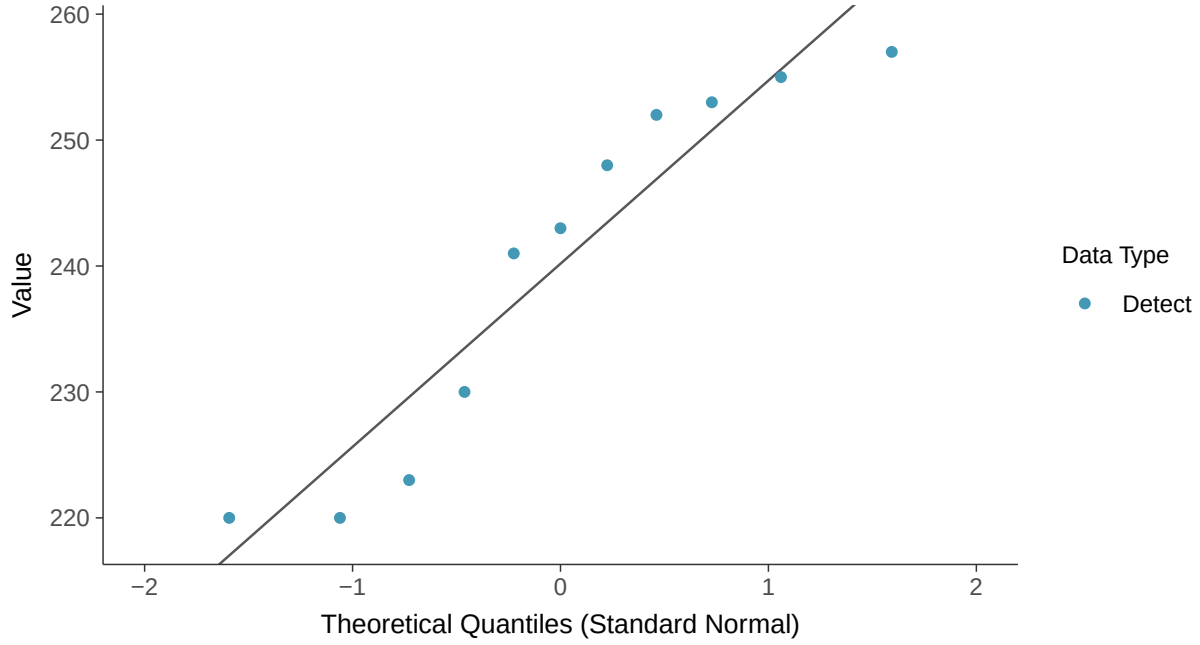
Boxplot by Season

Calcium, MW-3 (mg/l)



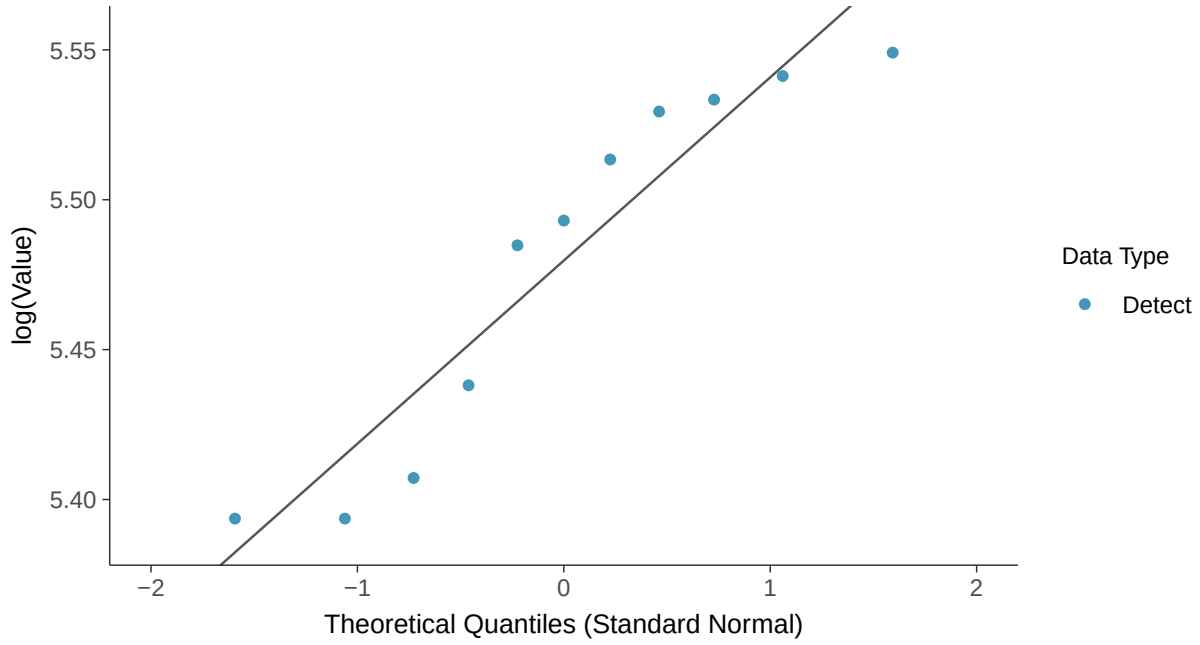
Normal Q-Q plot

Calcium, MW-3 (mg/l)



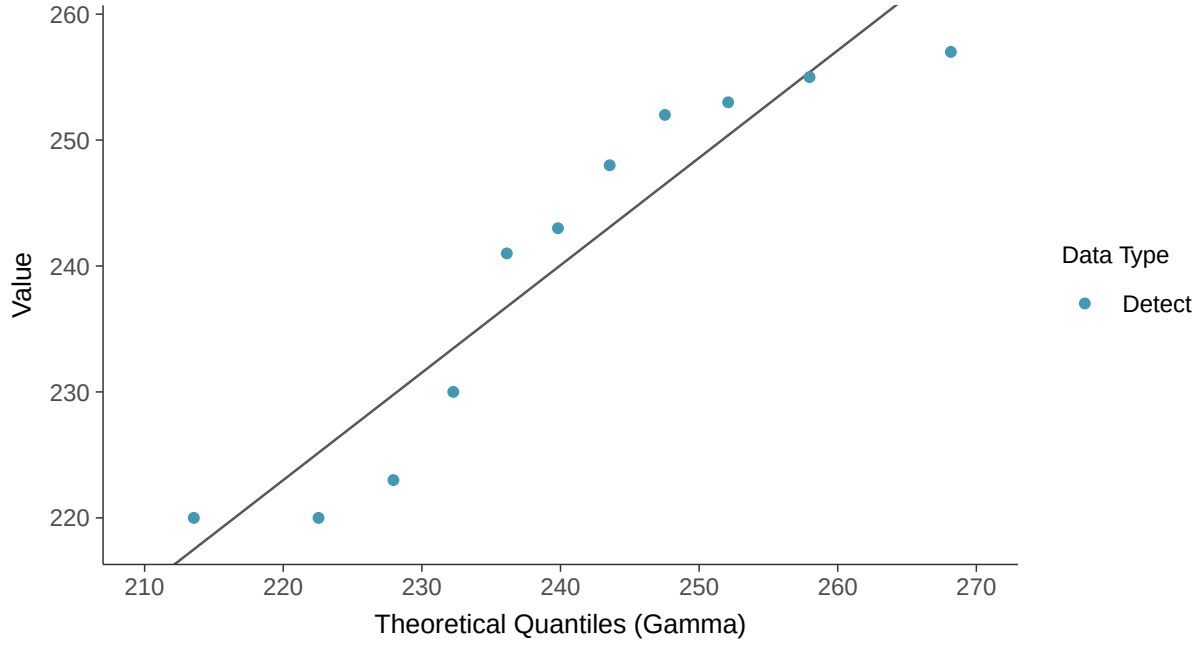
Lognormal Q-Q plot

Calcium, MW-3 (mg/l)



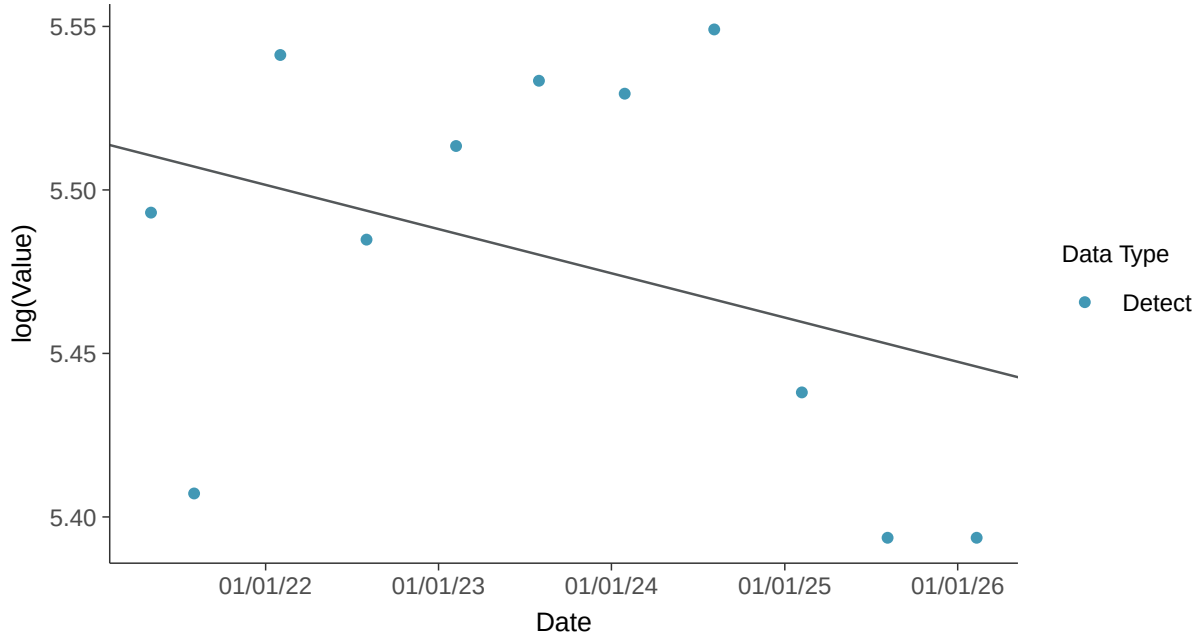
Gamma Q-Q plot

Calcium, MW-3 (mg/l)



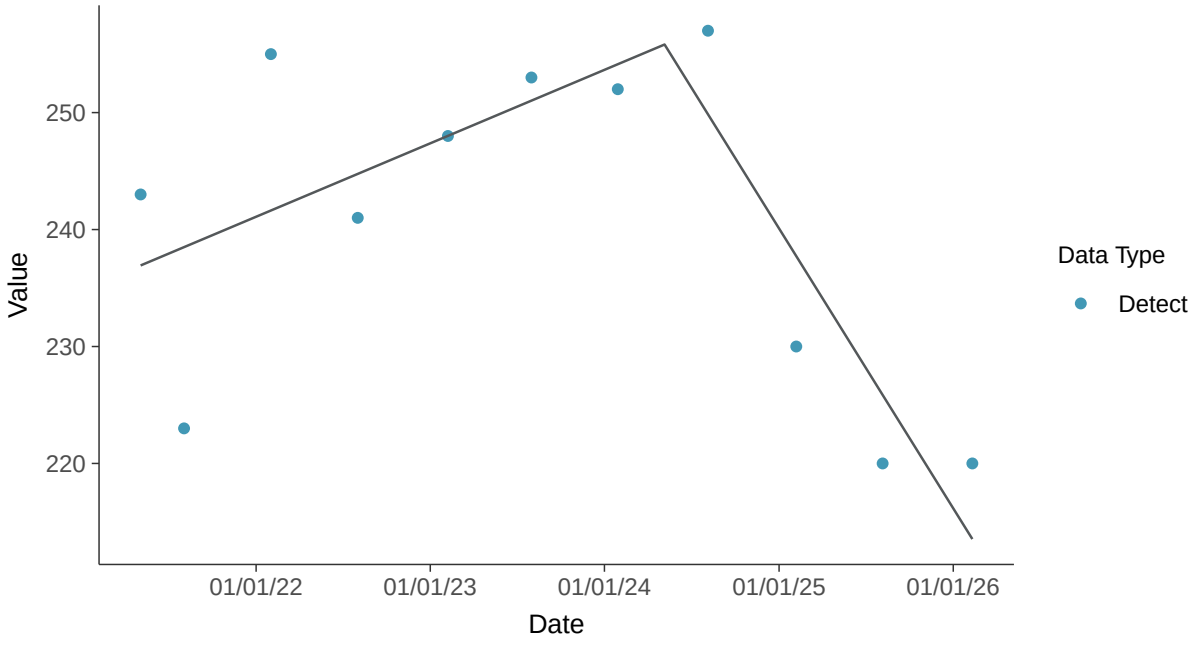
Trend Regression: Lognormal MLE

Calcium, MW-3 (mg/l)



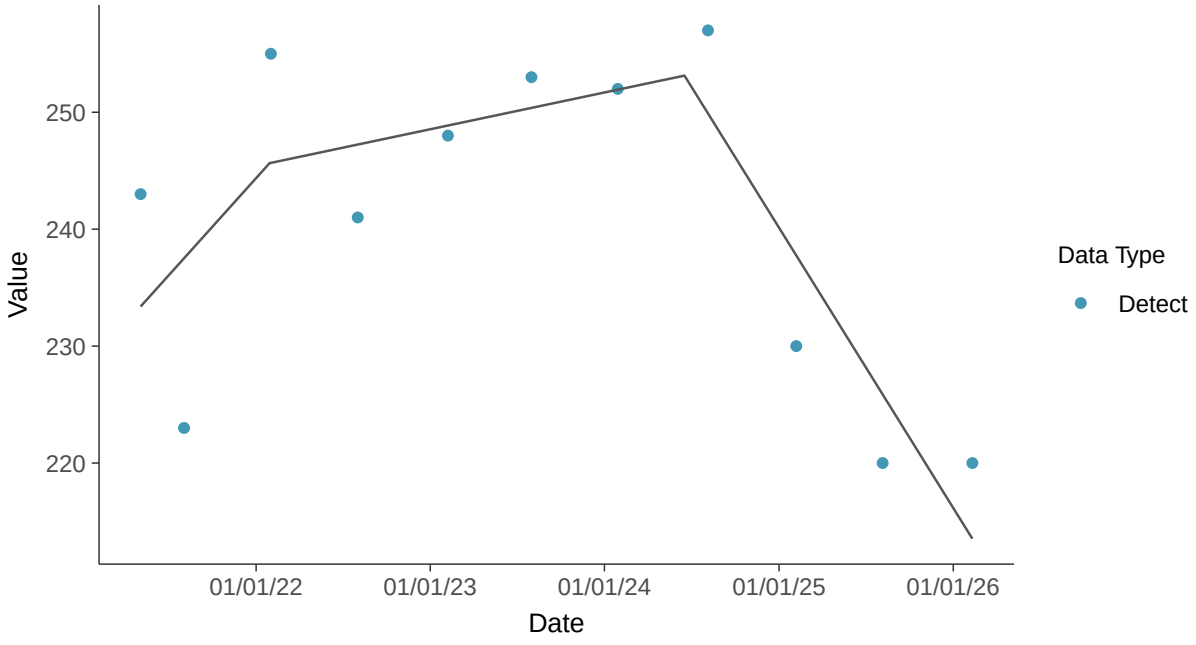
Trend Regression: Piecewise Linear-Linear

Calcium, MW-3 (mg/l)



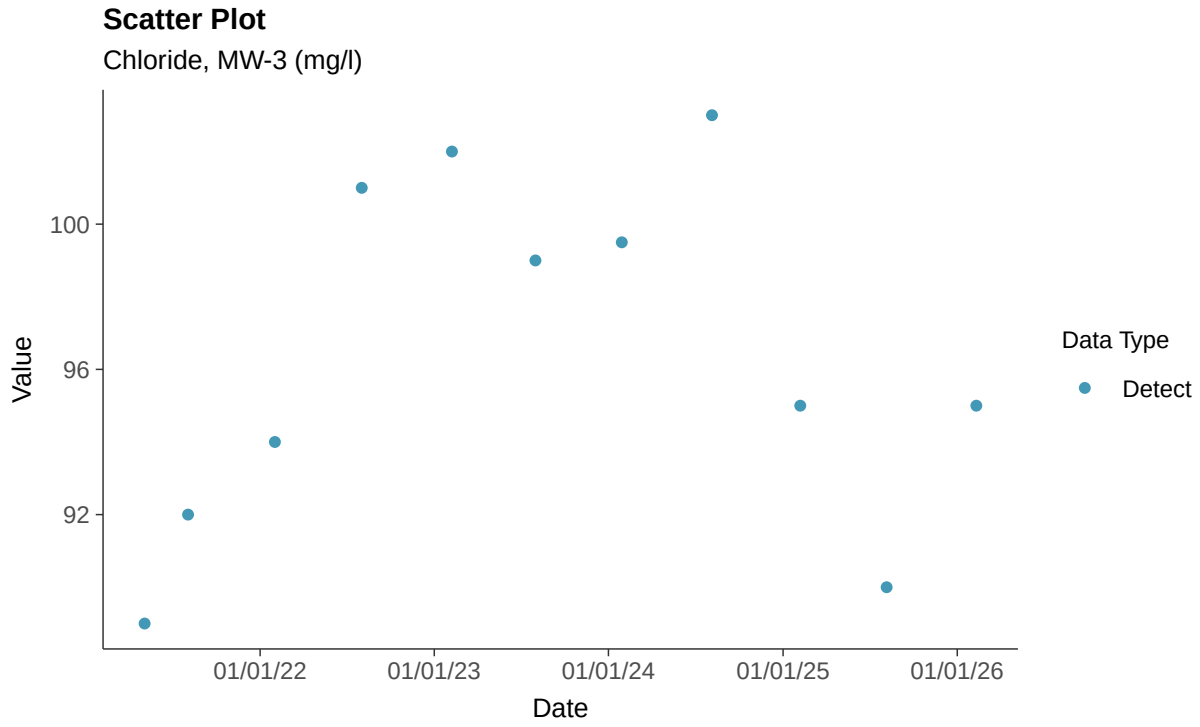
Trend Regression: Piecewise Linear-Linear-Linear

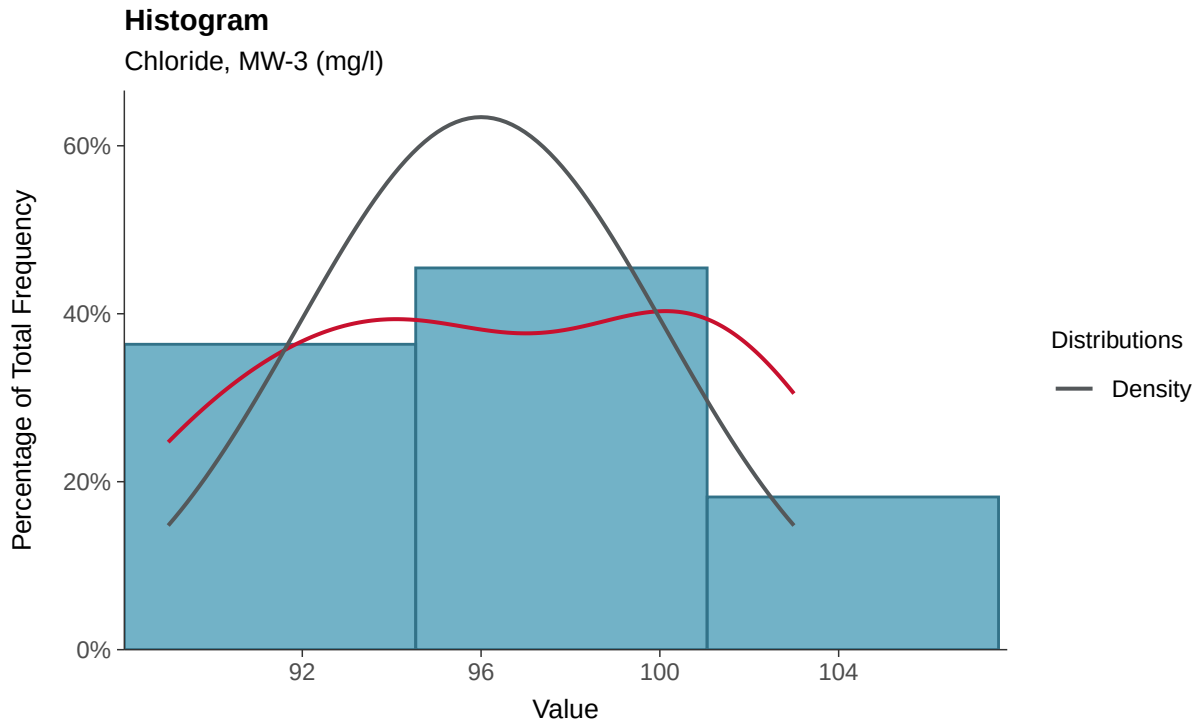
Calcium, MW-3 (mg/l)



Appendix III: Chloride, MW-3

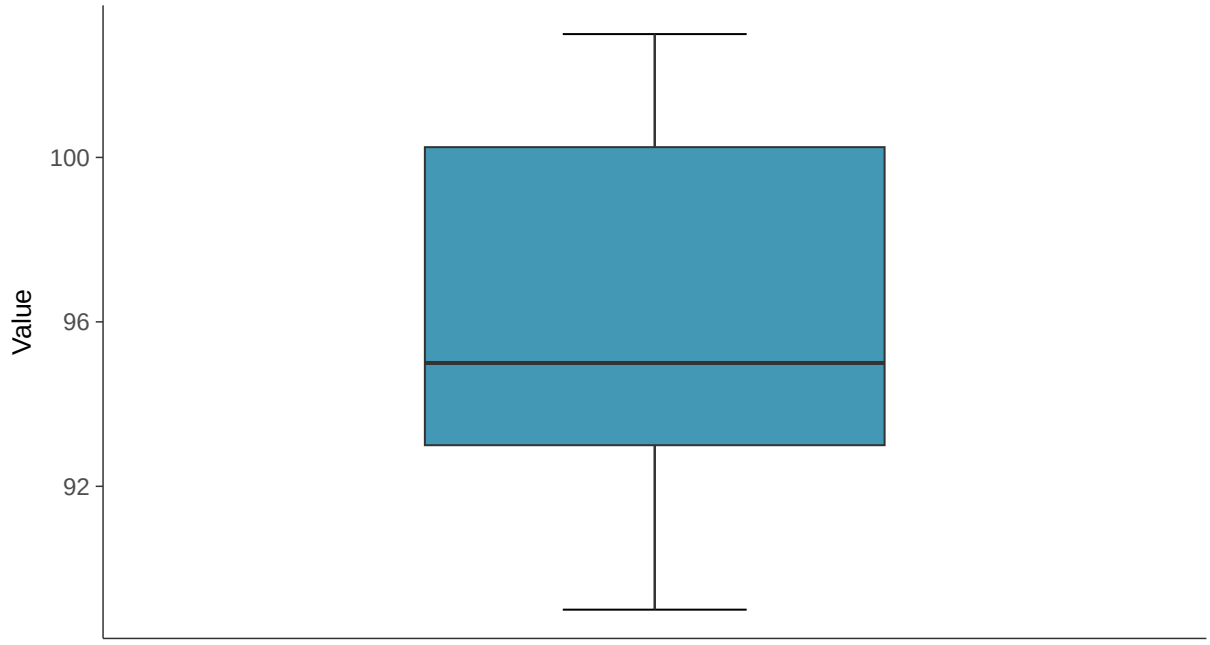
ID: 12_2_108





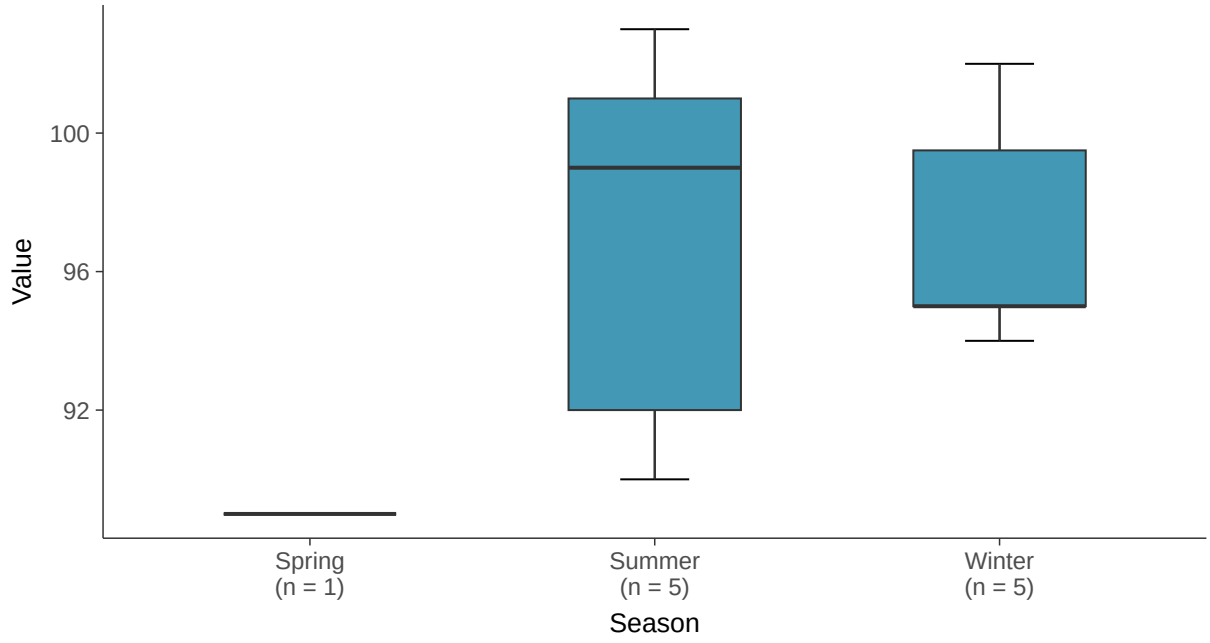
Boxplot

Chloride, MW-3 (mg/l)



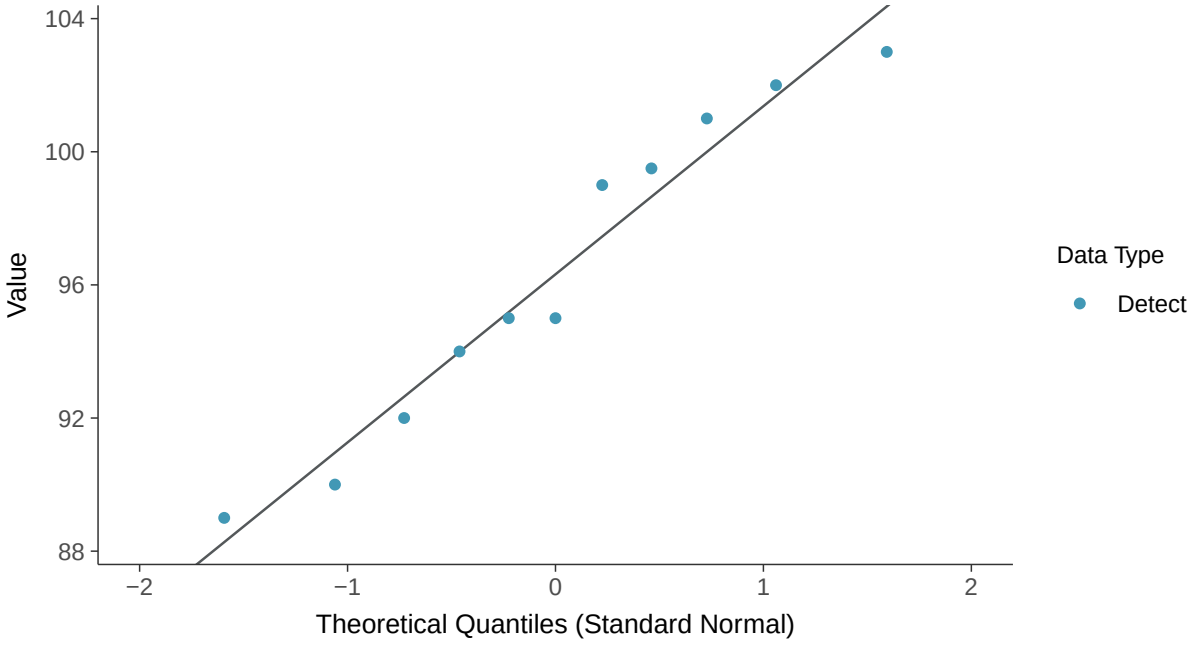
Boxplot by Season

Chloride, MW-3 (mg/l)



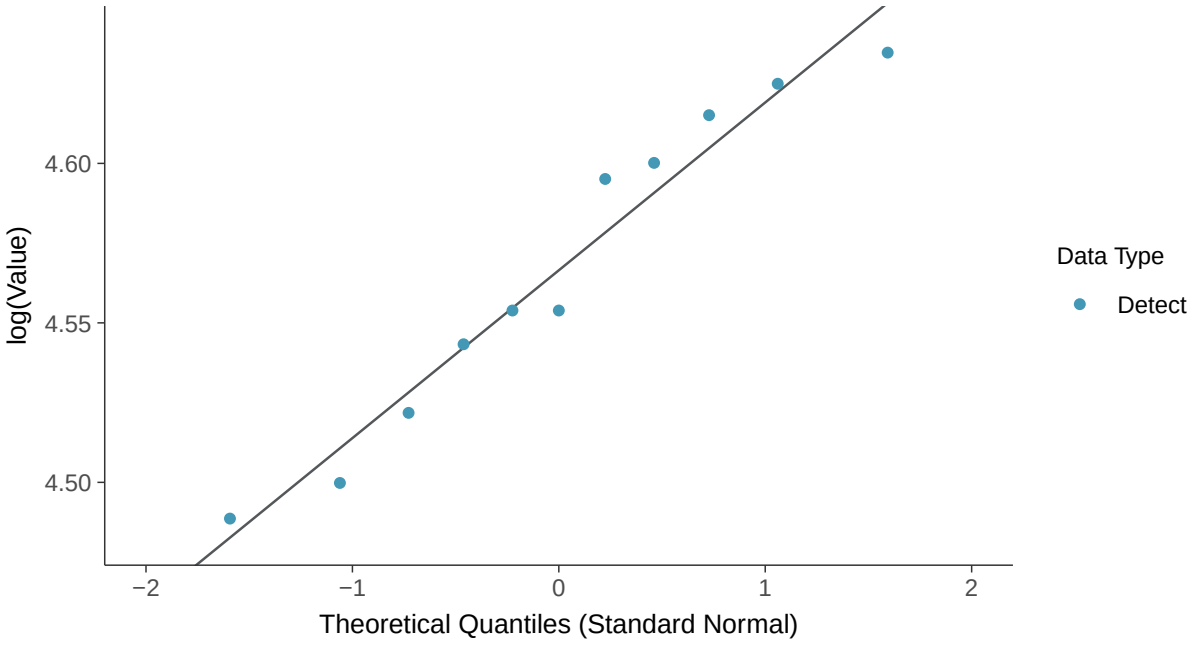
Normal Q-Q plot

Chloride, MW-3 (mg/l)



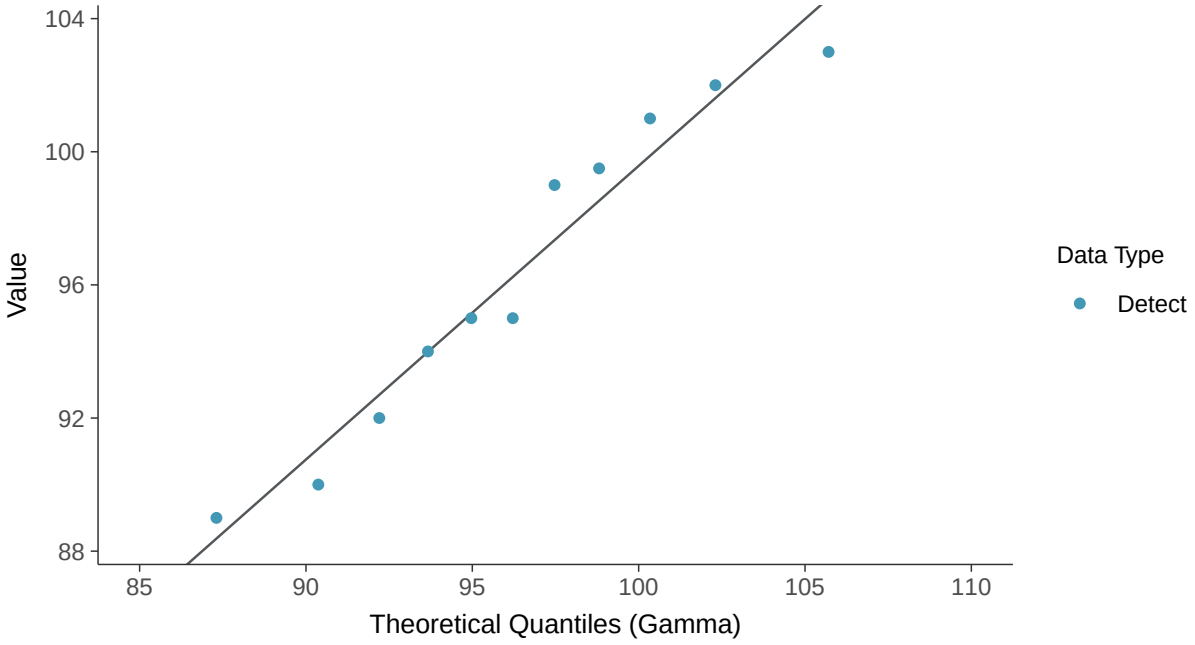
Lognormal Q-Q plot

Chloride, MW-3 (mg/l)



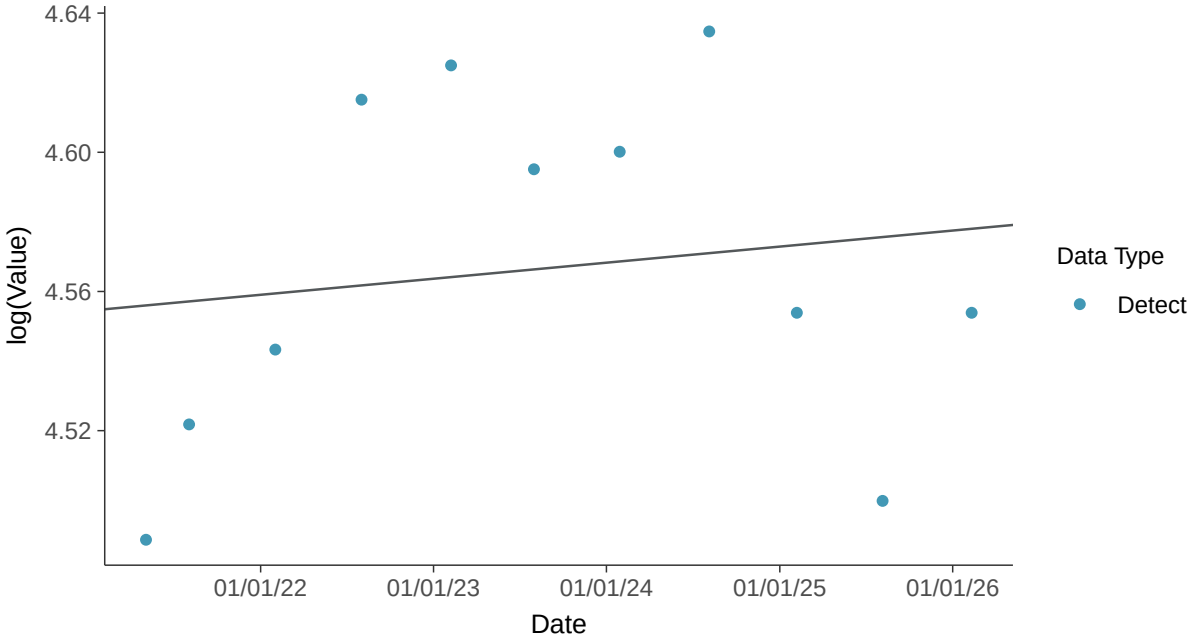
Gamma Q-Q plot

Chloride, MW-3 (mg/l)



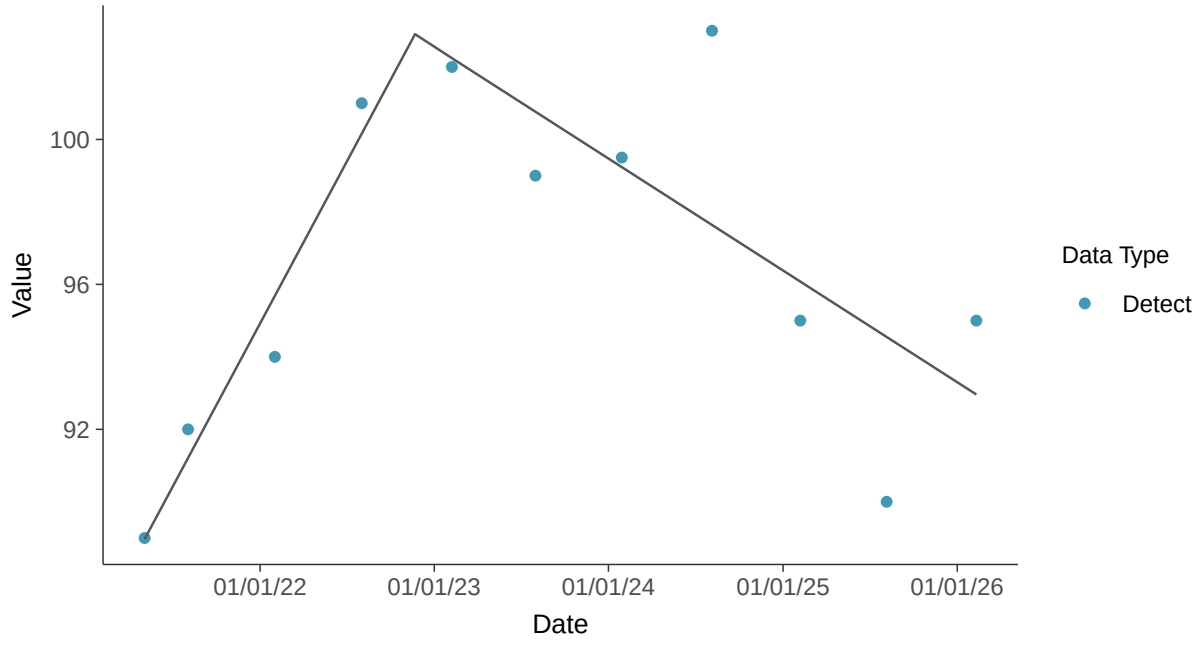
Trend Regression: Lognormal MLE

Chloride, MW-3 (mg/l)



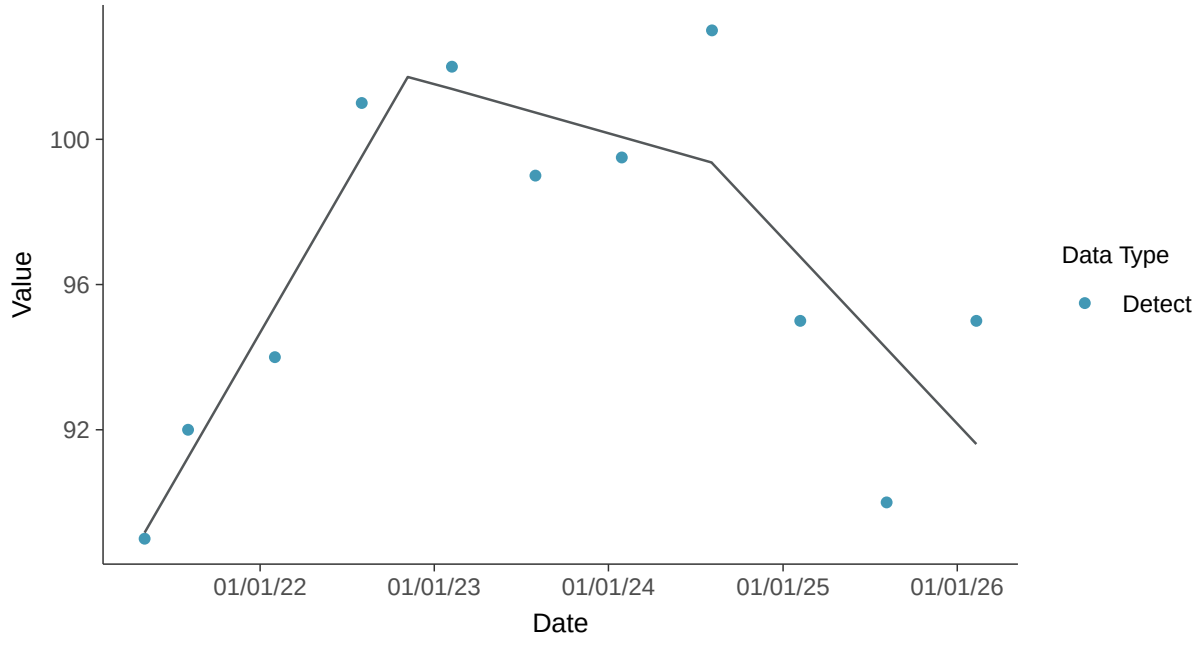
Trend Regression: Piecewise Linear-Linear

Chloride, MW-3 (mg/l)



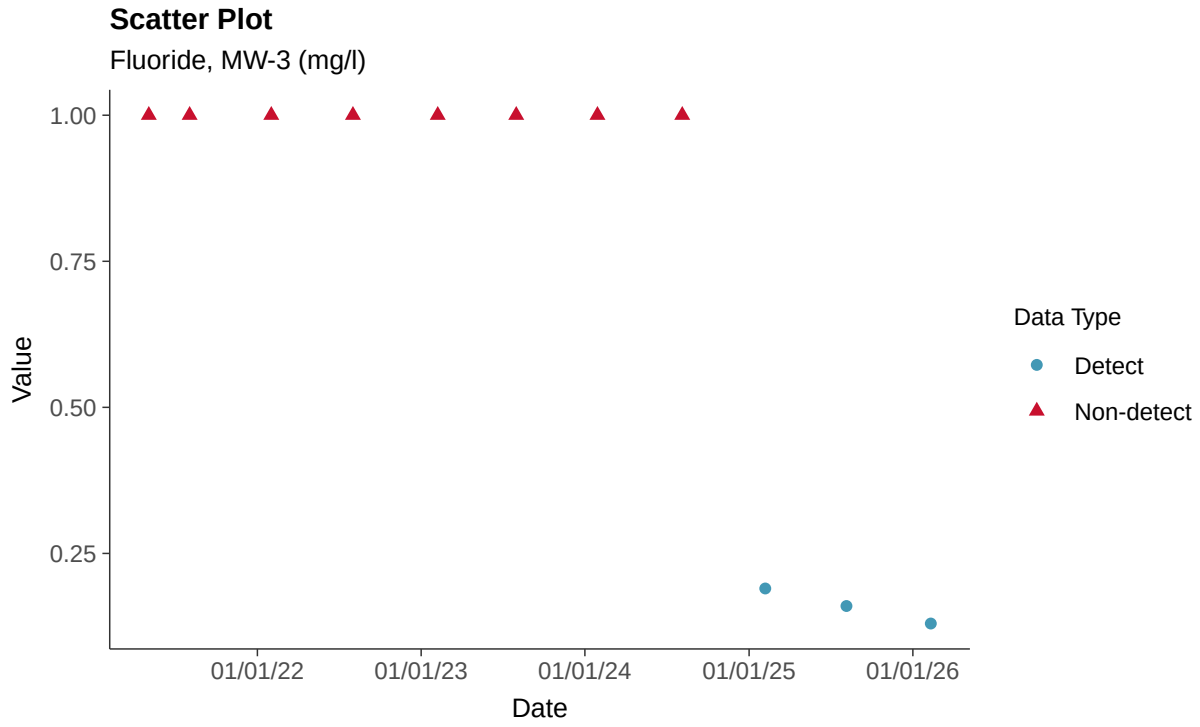
Trend Regression: Piecewise Linear-Linear-Linear

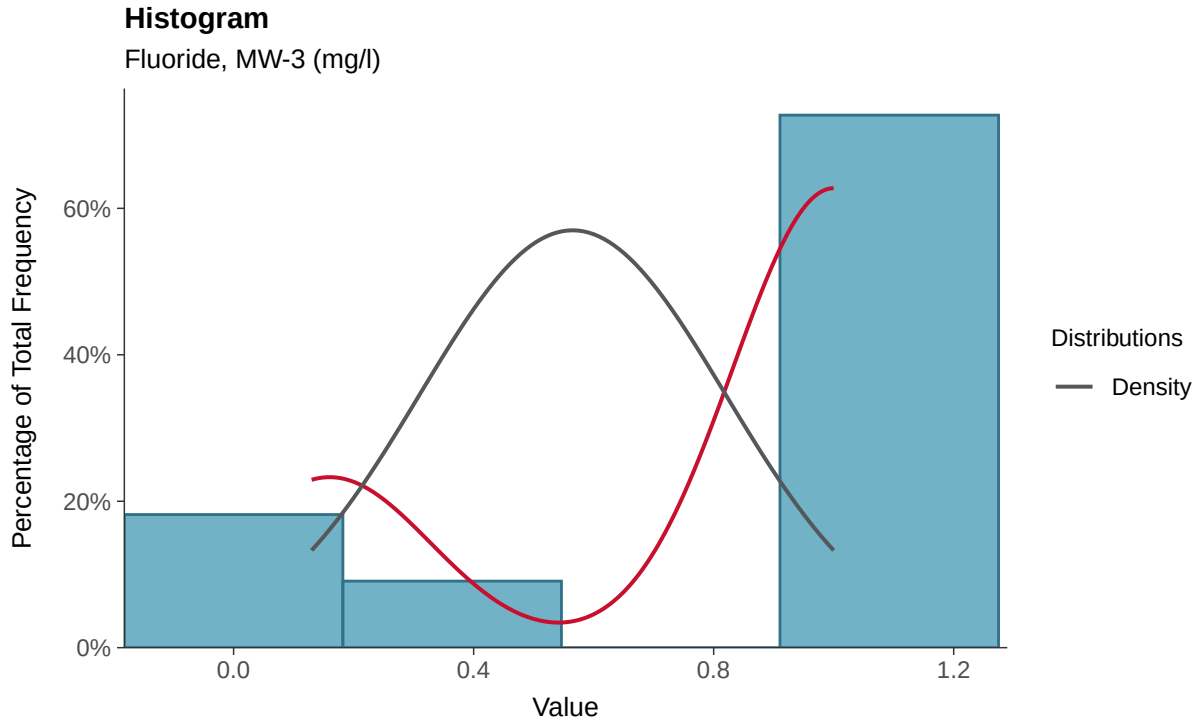
Chloride, MW-3 (mg/l)



Appendix III: Fluoride, MW-3

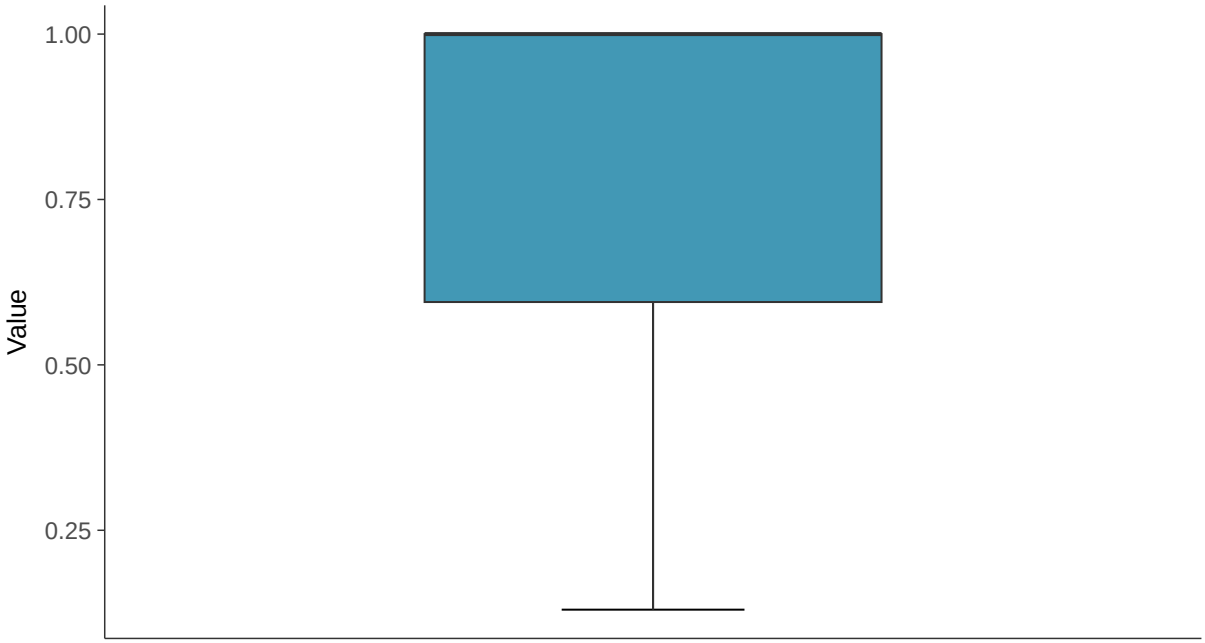
ID: 12_2_112





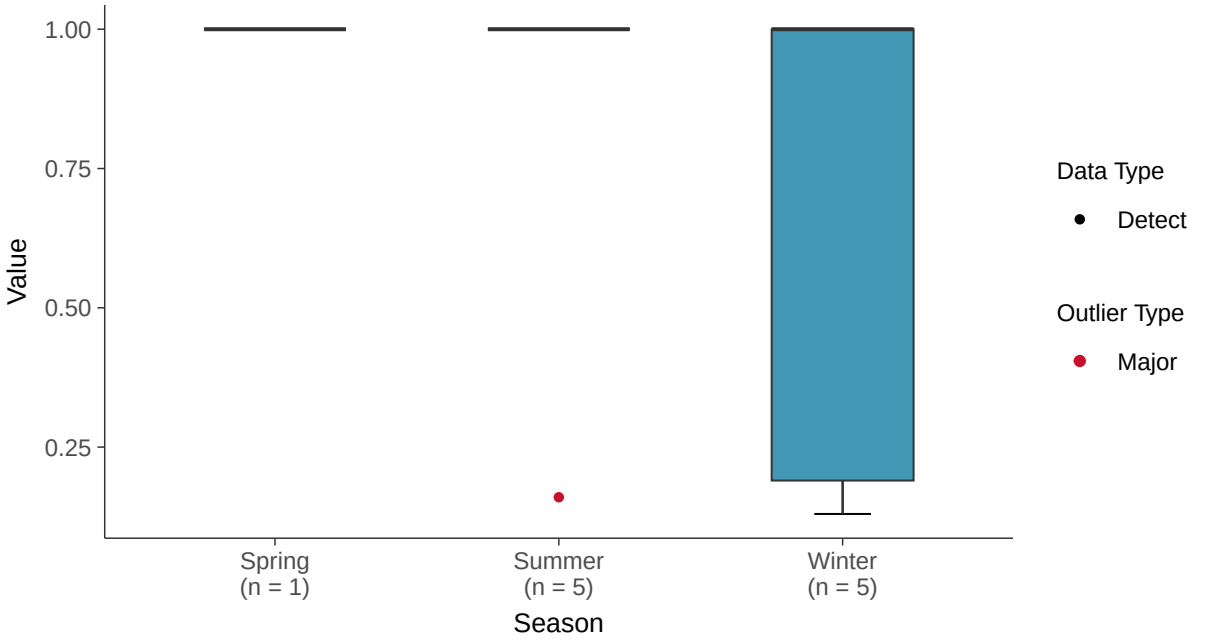
Boxplot

Fluoride, MW-3 (mg/l)



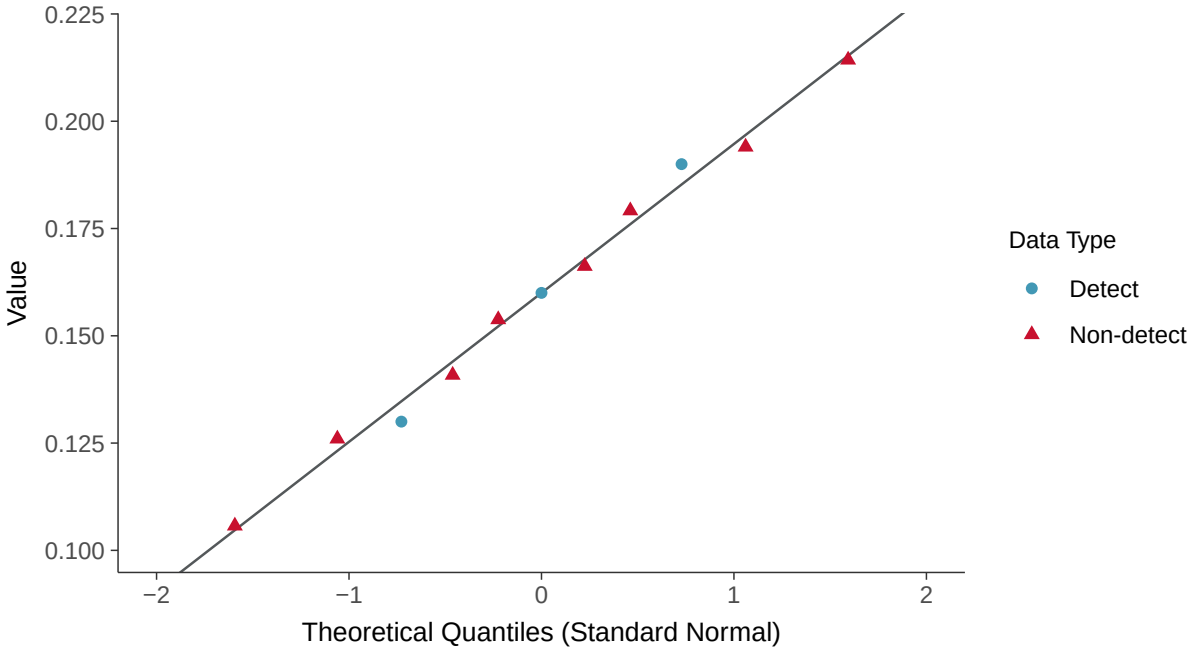
Boxplot by Season

Fluoride, MW-3 (mg/l)



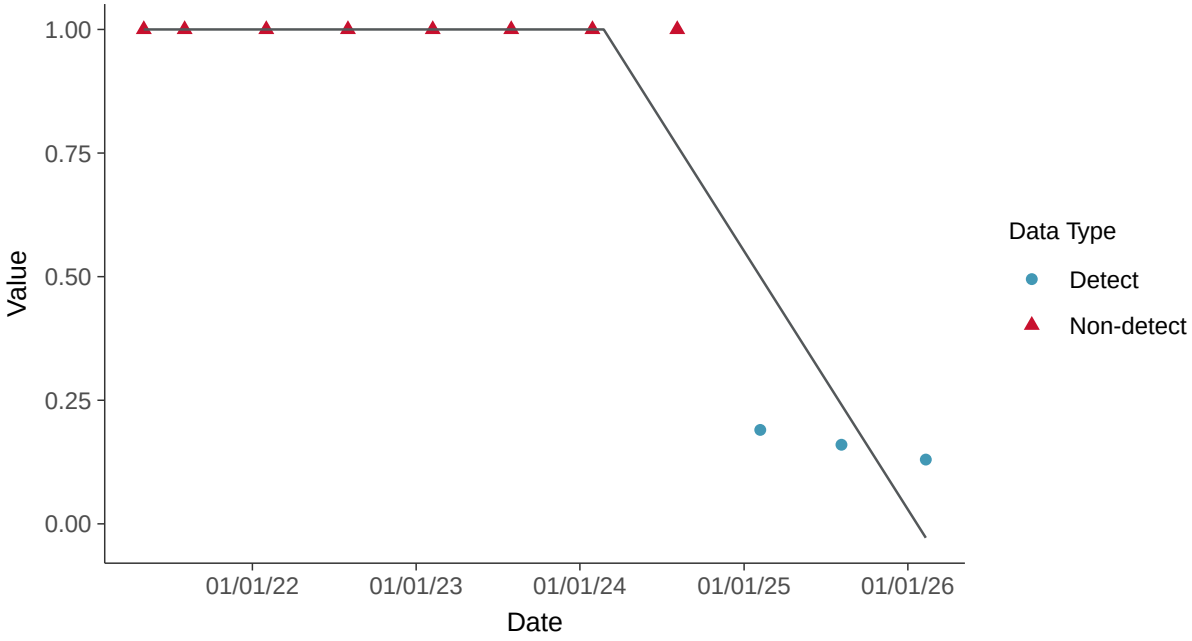
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-3 (mg/l)



Trend Regression: Piecewise Linear-Linear

Fluoride, MW-3 (mg/l)

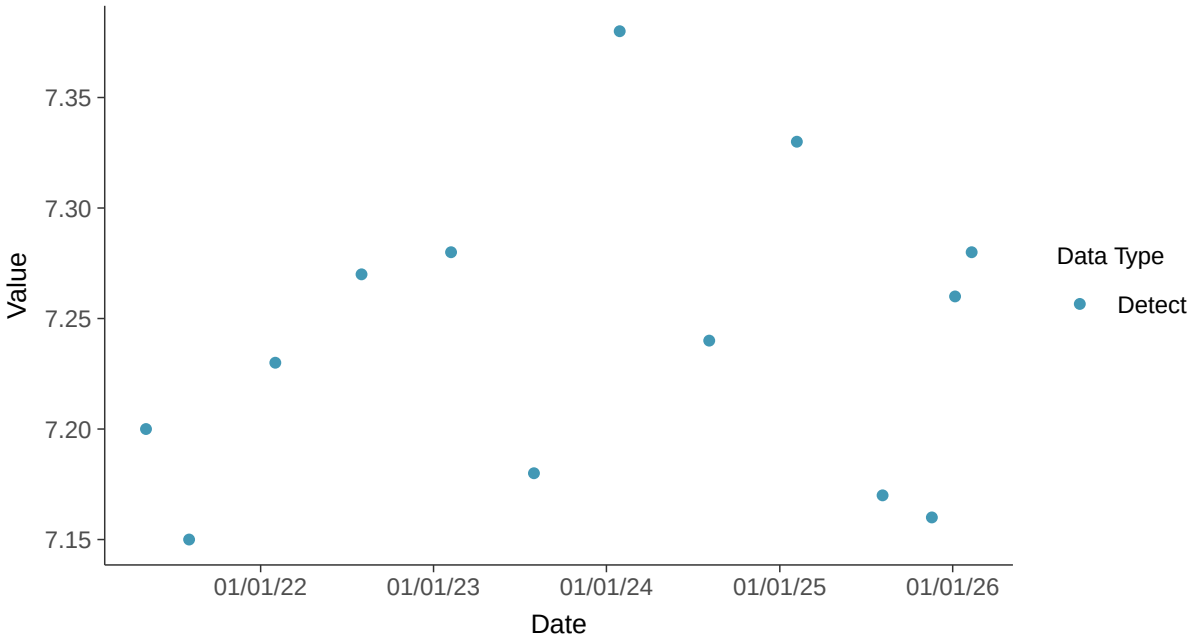


Appendix III: pH, Field, MW-3

ID: 12_2_120

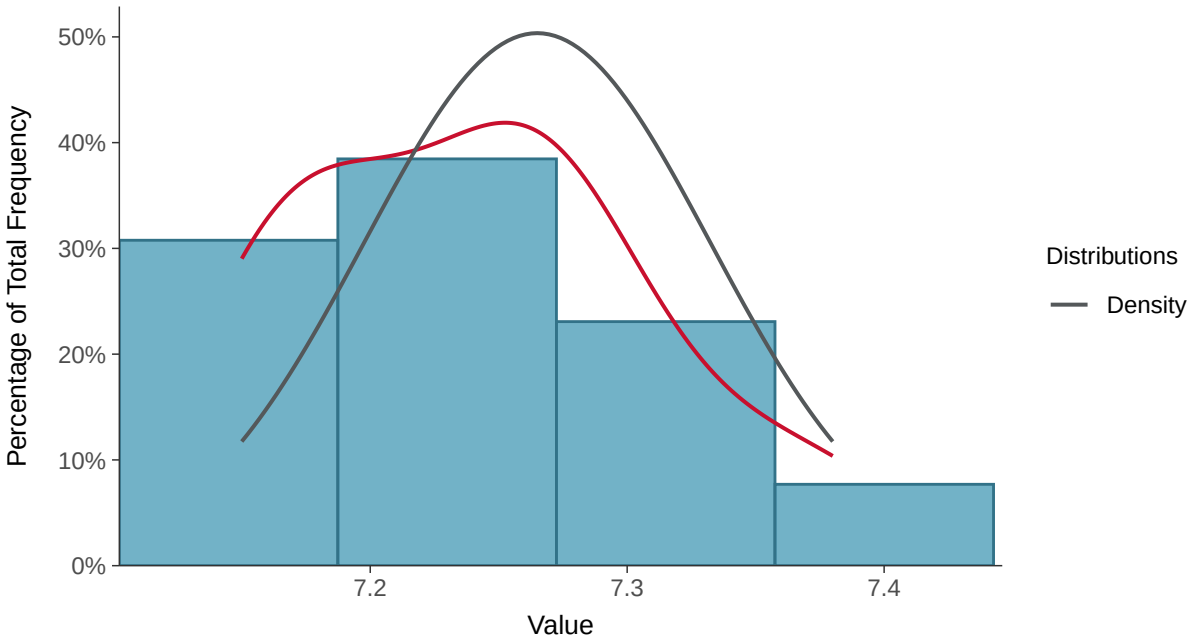
Scatter Plot

pH, Field, MW-3 (su)



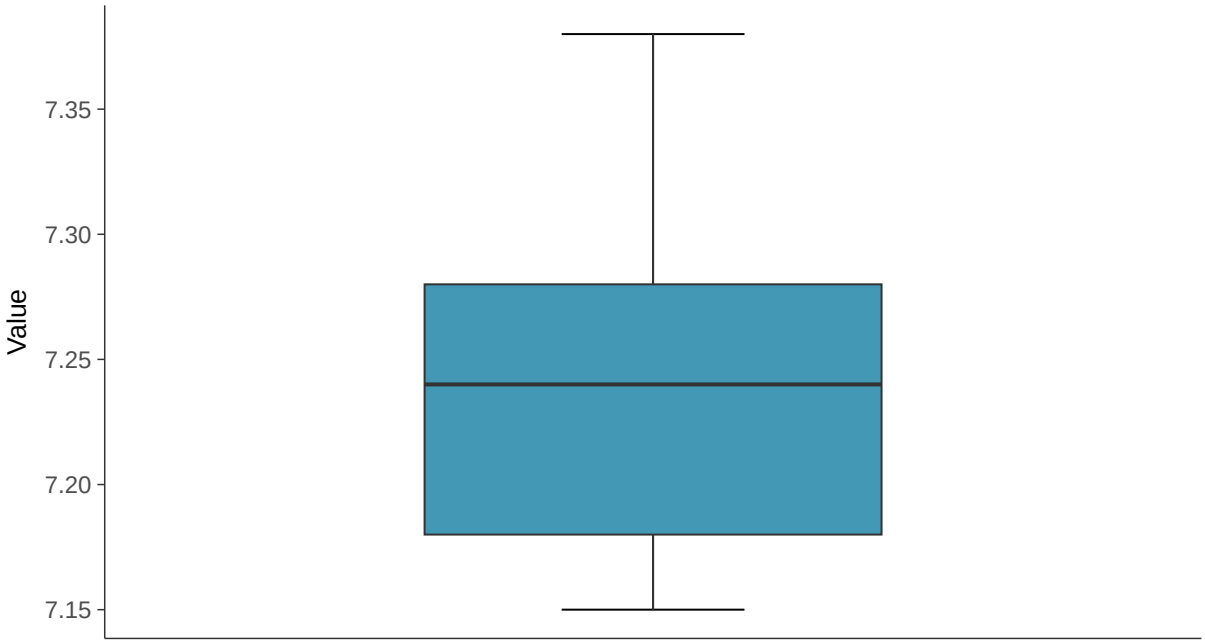
Histogram

pH, Field, MW-3 (su)



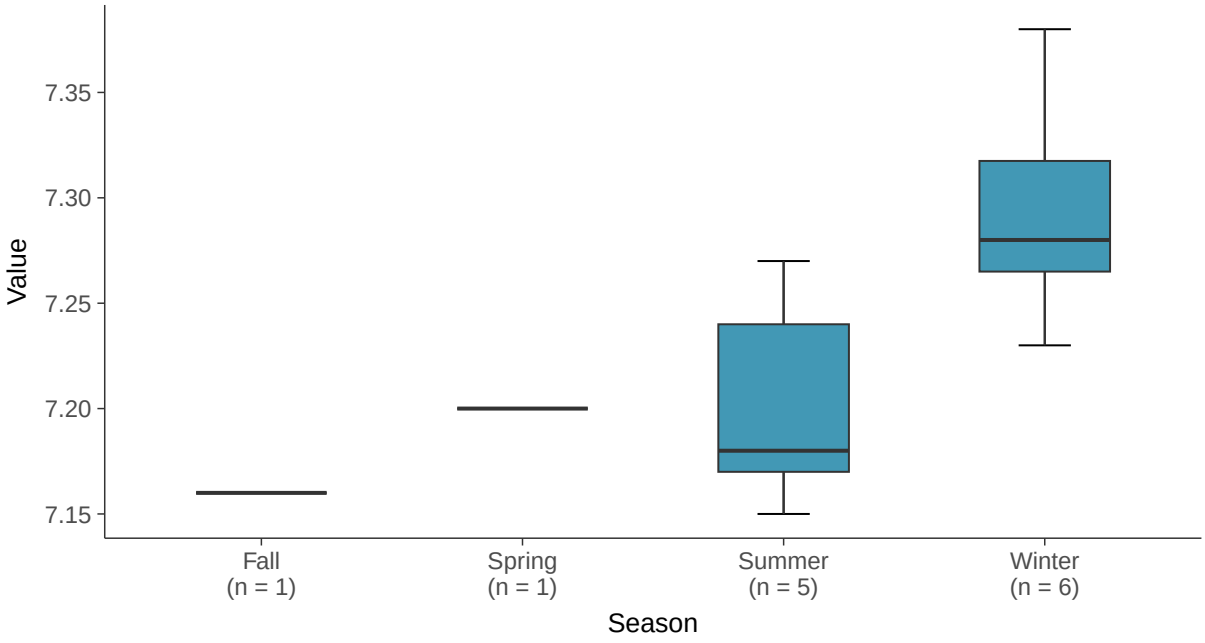
Boxplot

pH, Field, MW-3 (su)



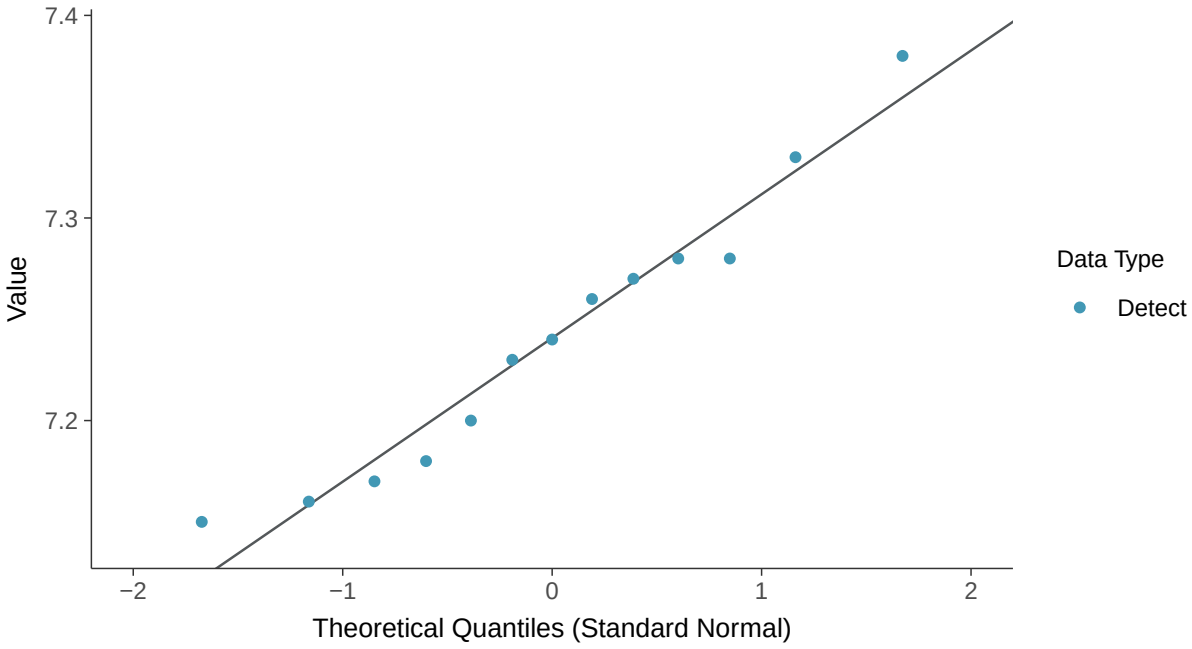
Boxplot by Season

pH, Field, MW-3 (su)



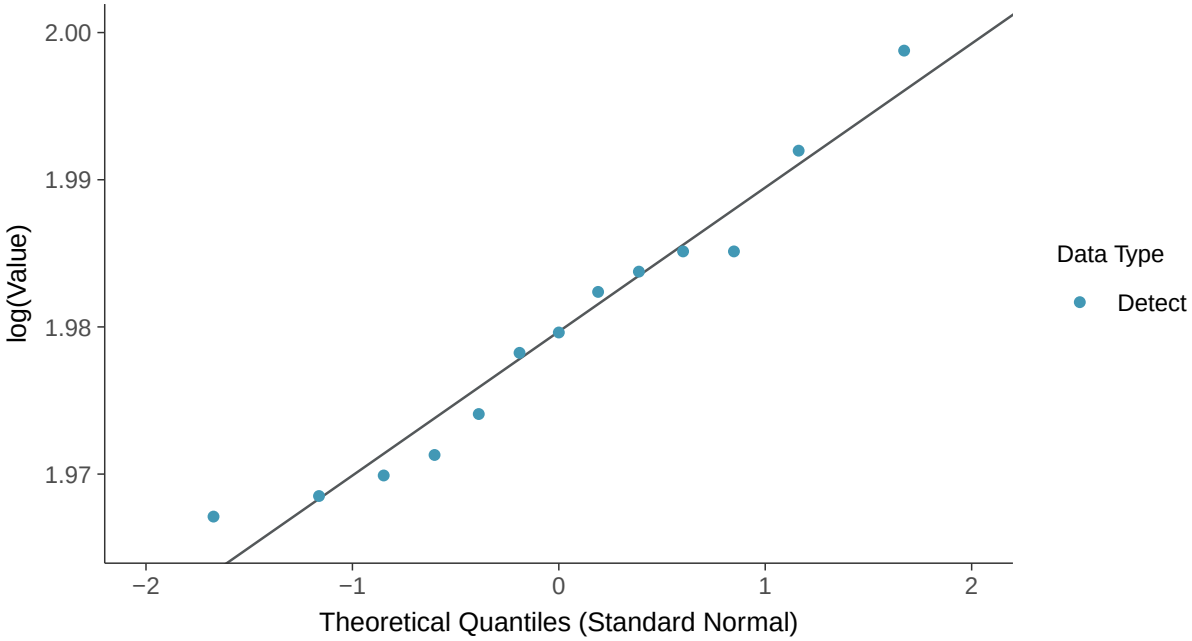
Normal Q-Q plot

pH, Field, MW-3 (su)



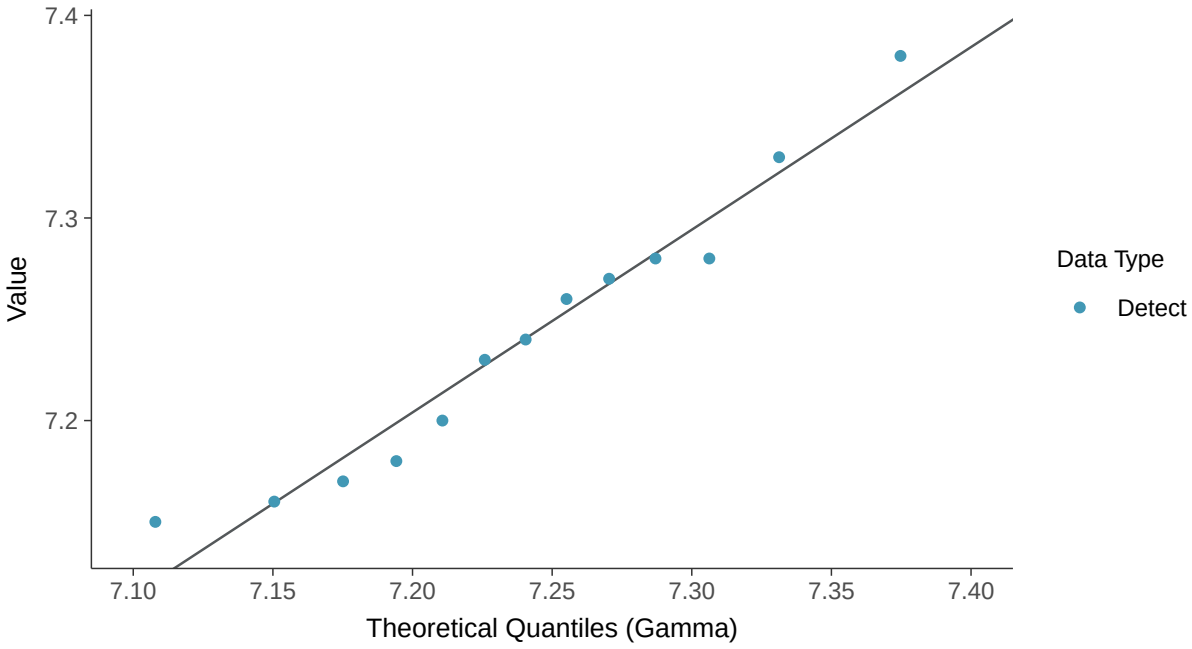
Lognormal Q-Q plot

pH, Field, MW-3 (su)



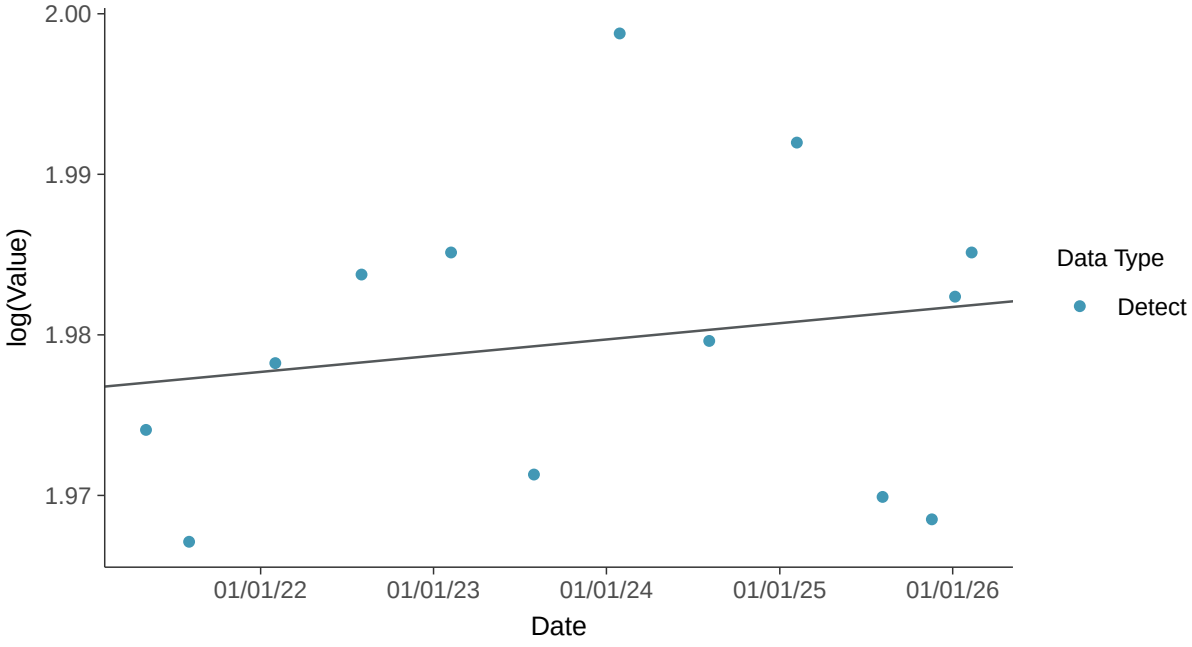
Gamma Q-Q plot

pH, Field, MW-3 (su)



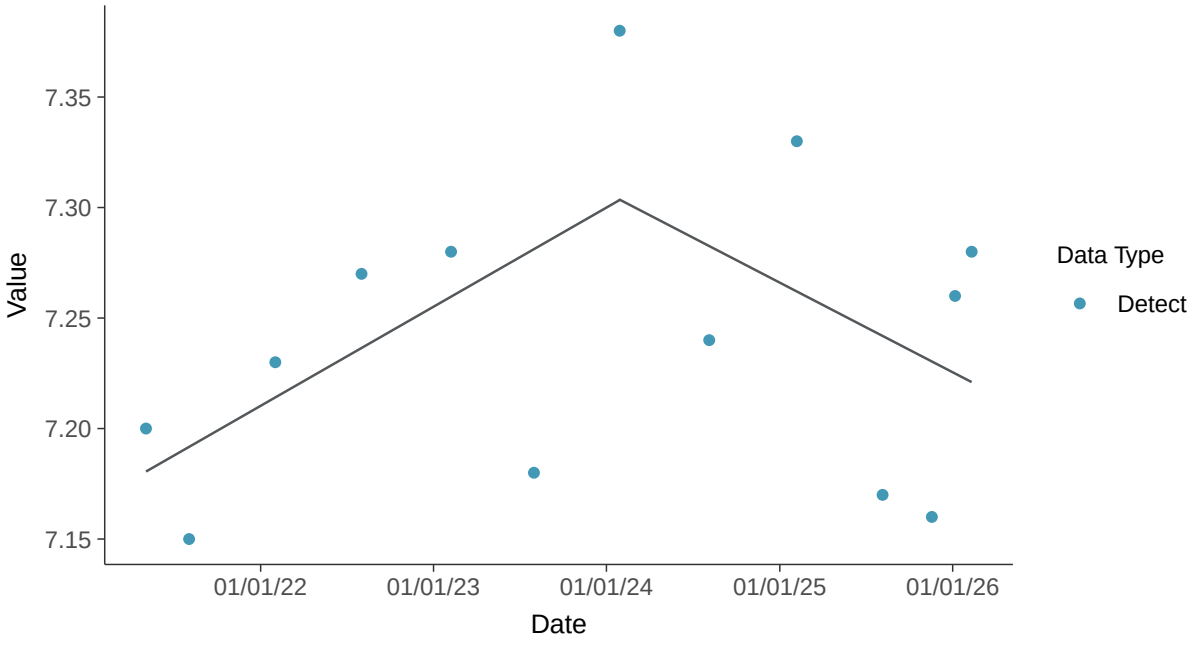
Trend Regression: Lognormal MLE

pH, Field, MW-3 (su)



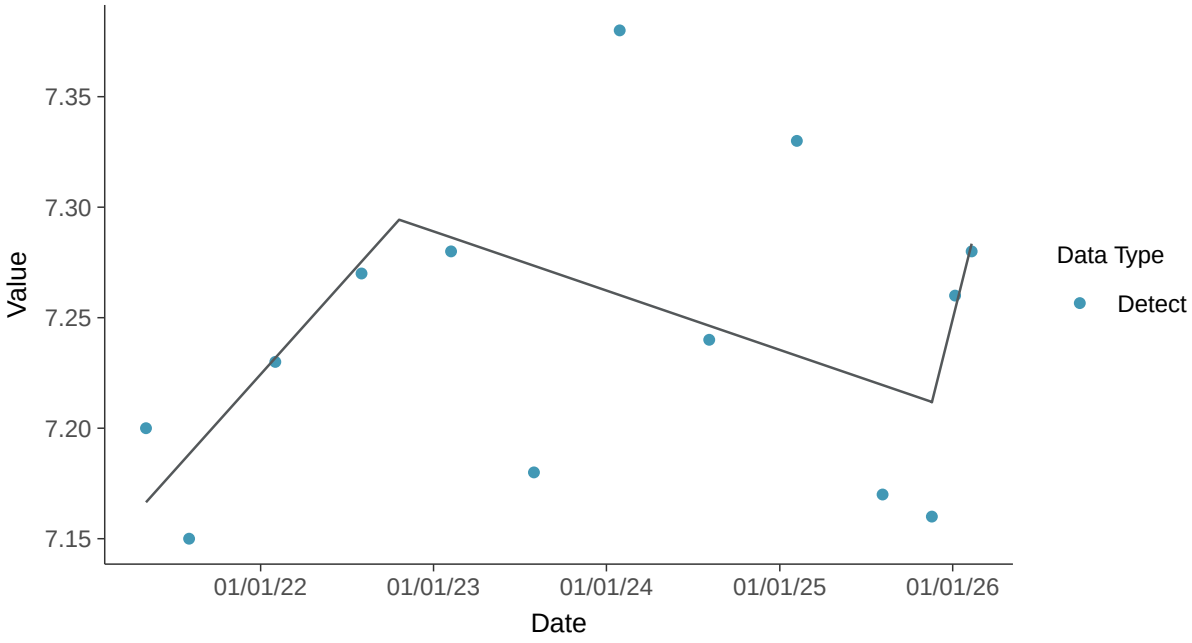
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-3 (su)



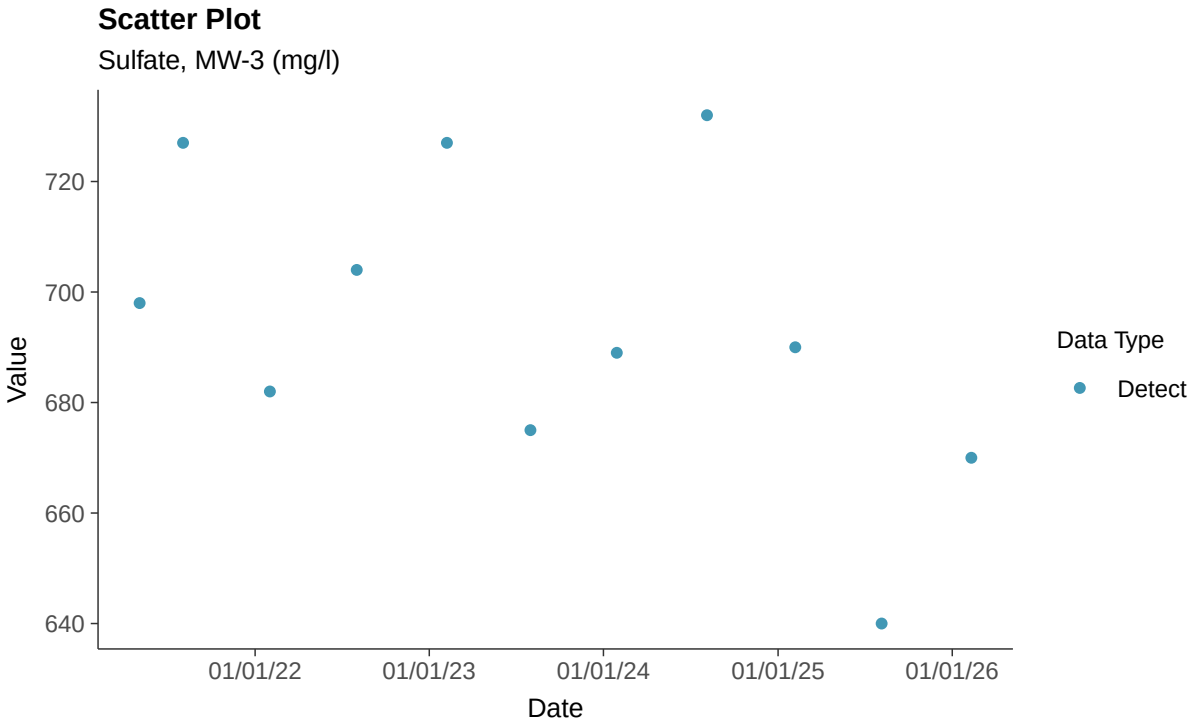
Trend Regression: Piecewise Linear-Linear-Linear

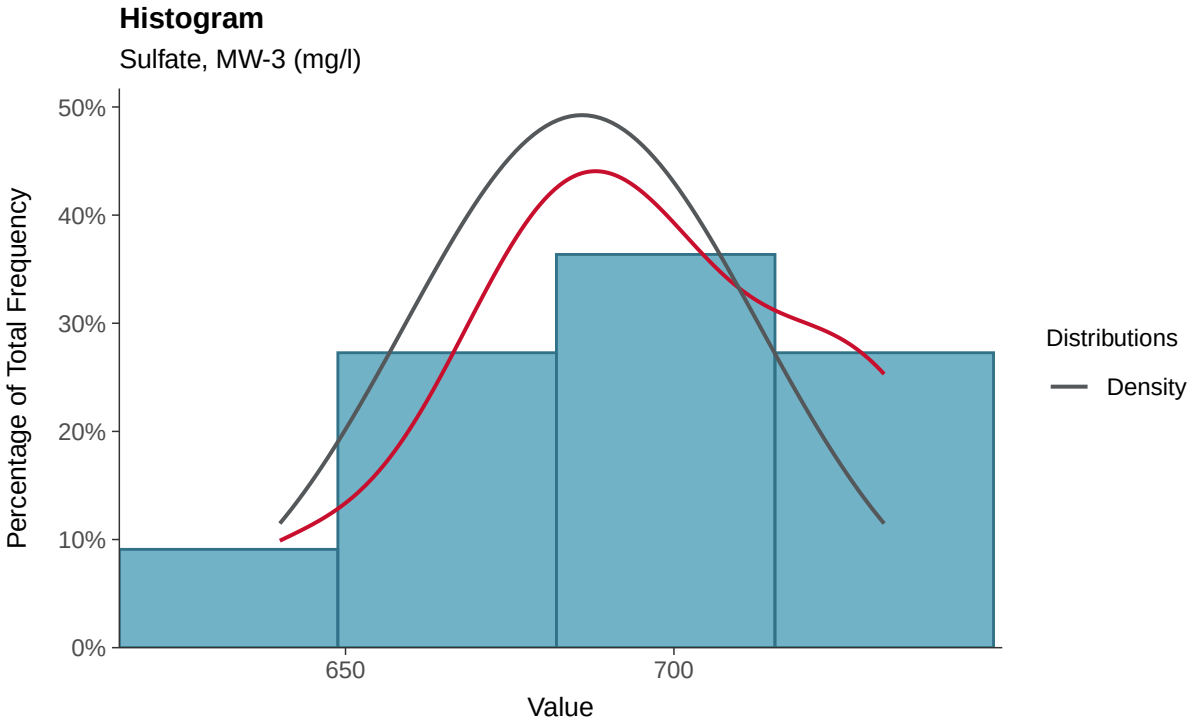
pH, Field, MW-3 (su)



Appendix III: Sulfate, MW-3

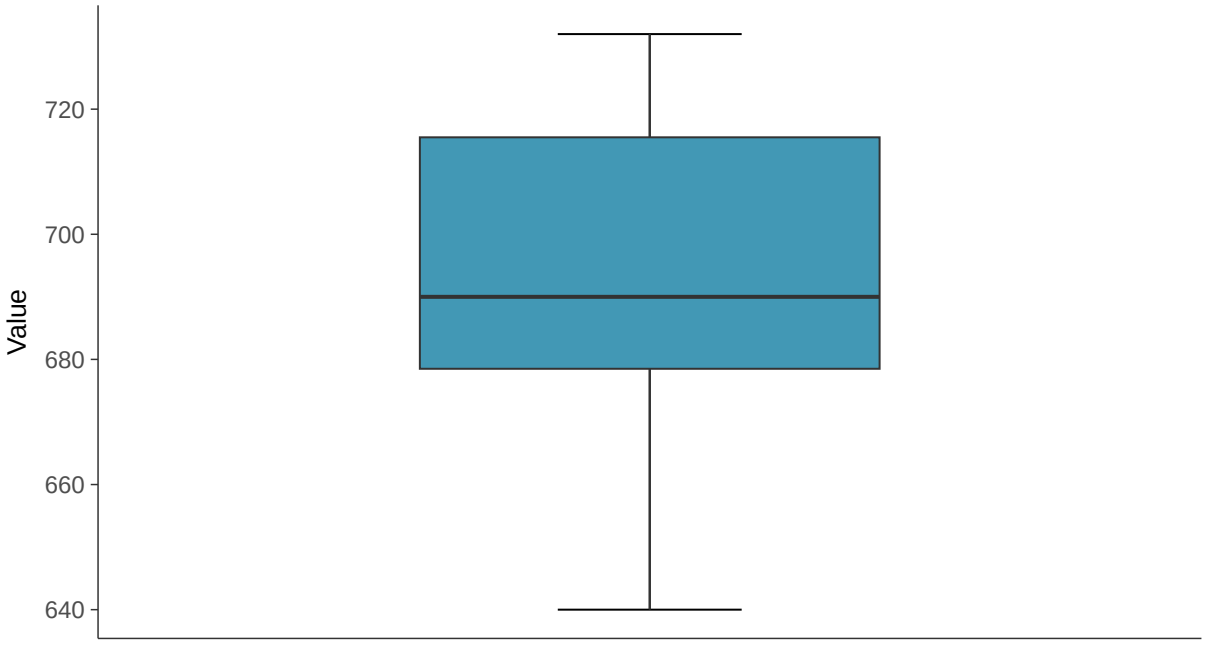
ID: 12_2_124





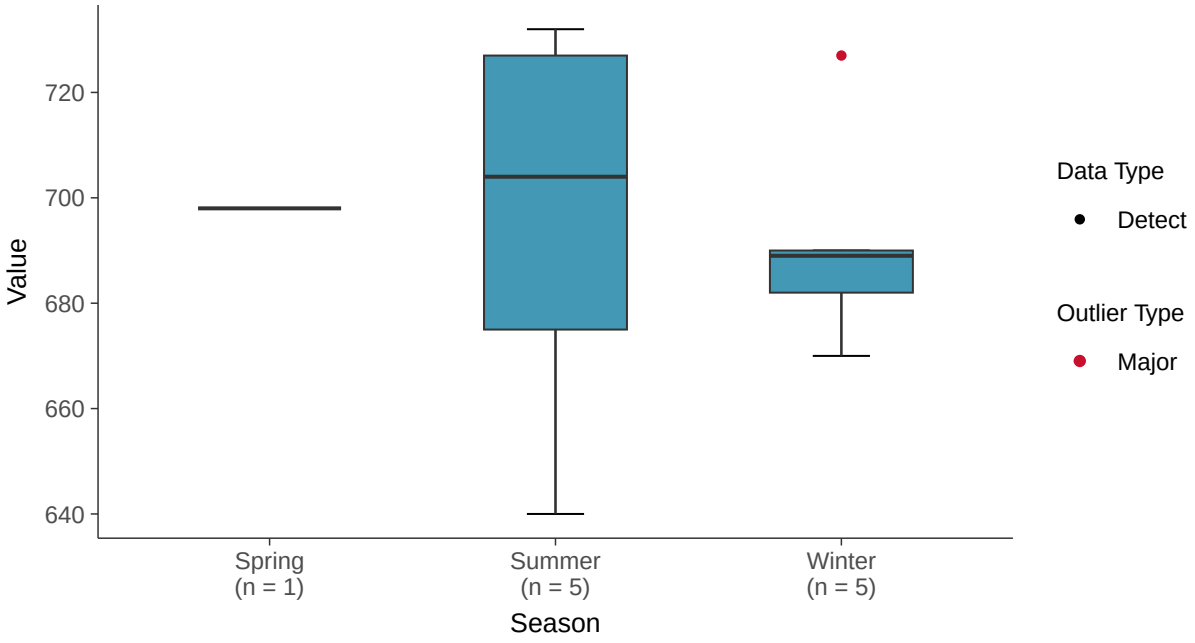
Boxplot

Sulfate, MW-3 (mg/l)



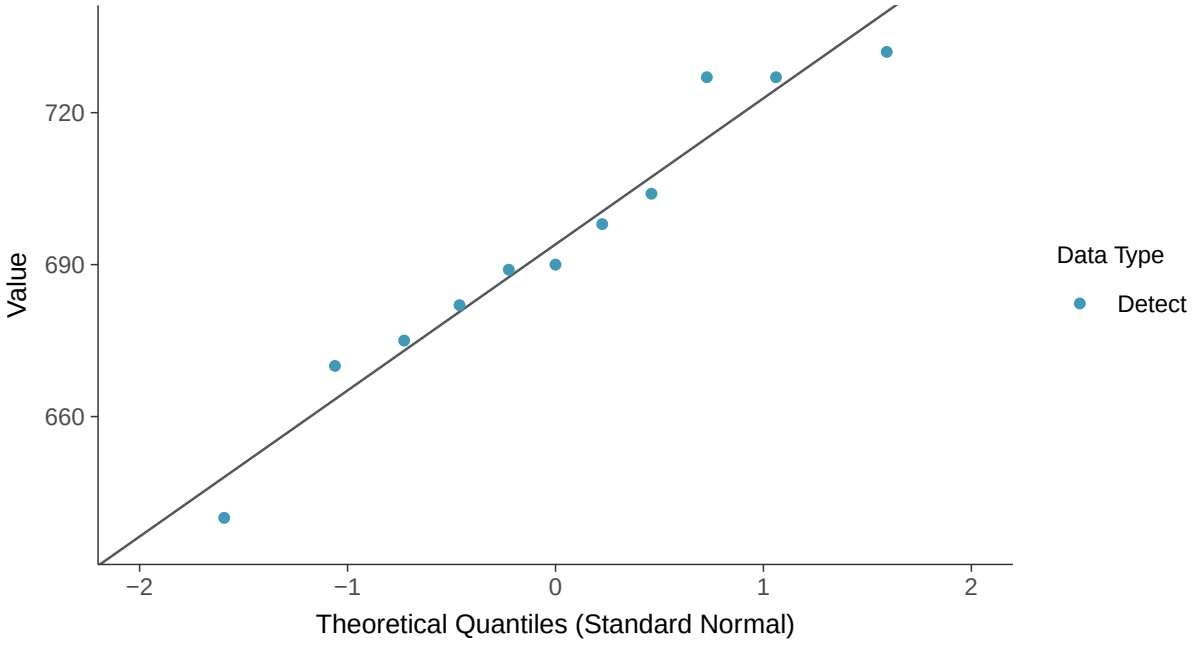
Boxplot by Season

Sulfate, MW-3 (mg/l)



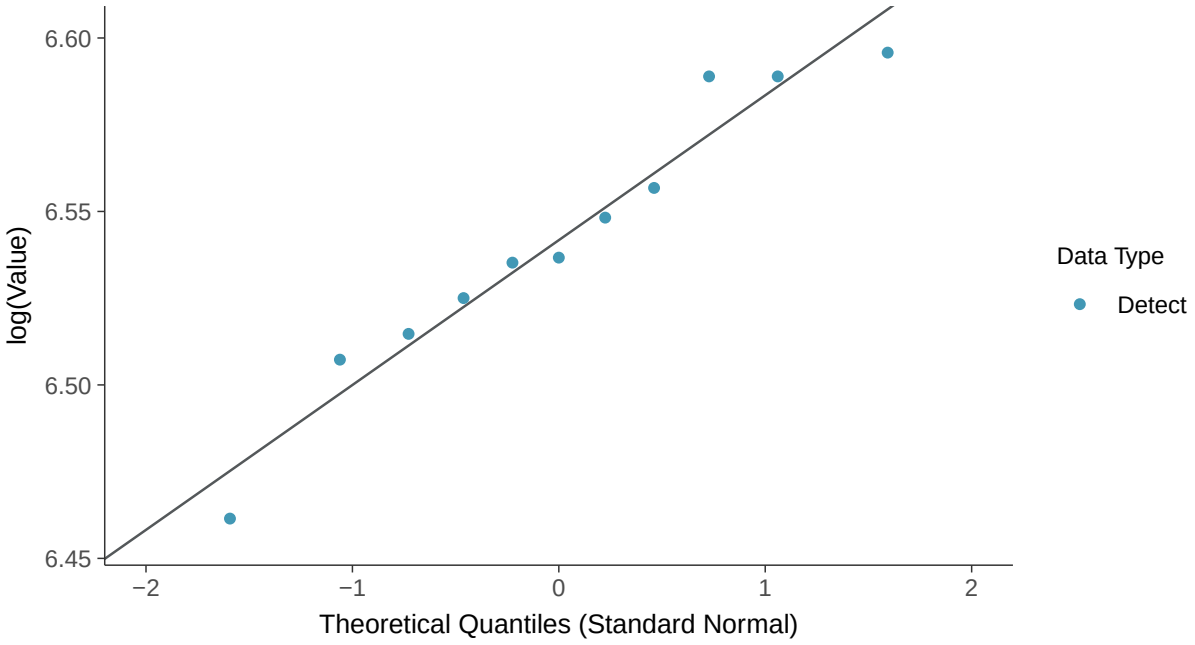
Normal Q-Q plot

Sulfate, MW-3 (mg/l)



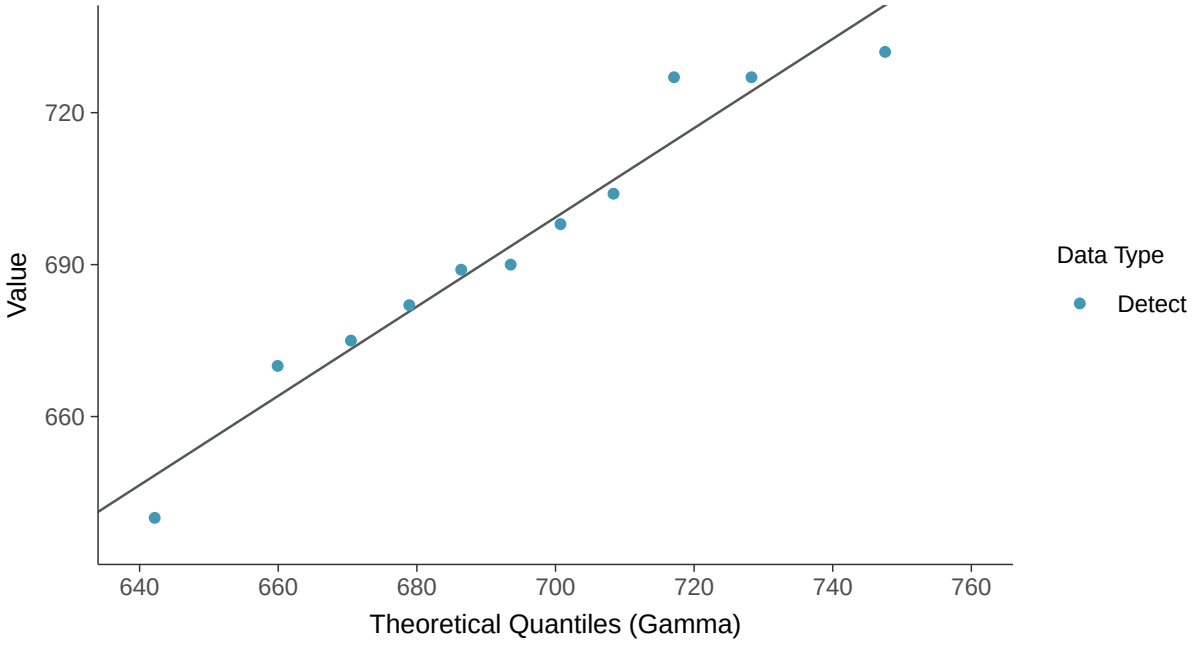
Lognormal Q-Q plot

Sulfate, MW-3 (mg/l)



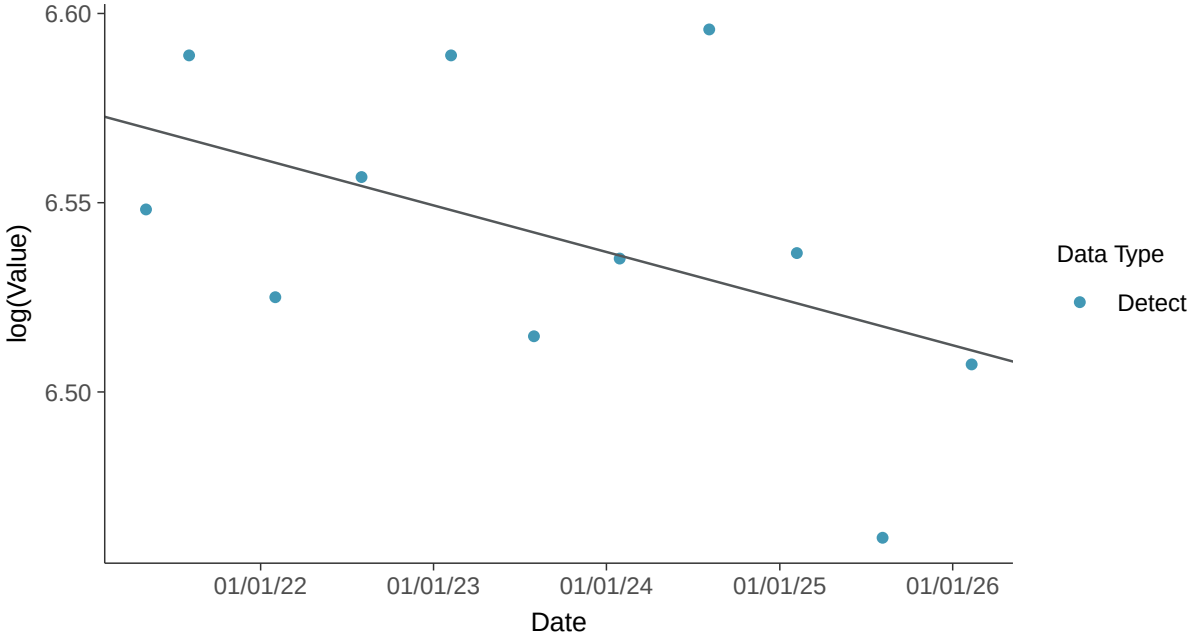
Gamma Q-Q plot

Sulfate, MW-3 (mg/l)



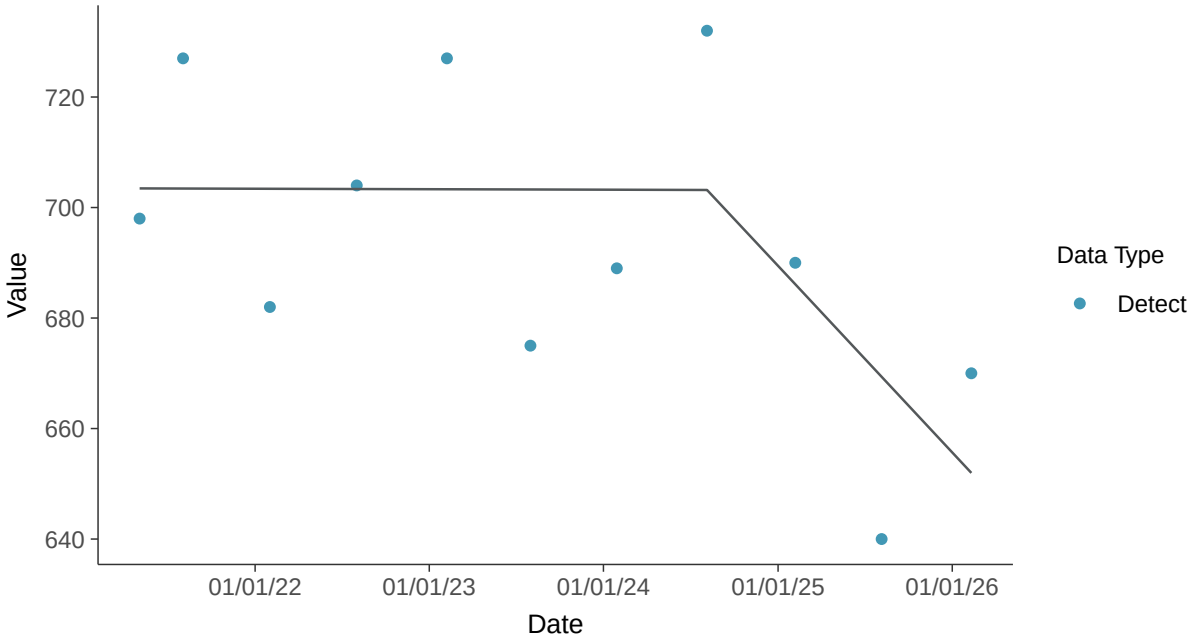
Trend Regression: Lognormal MLE

Sulfate, MW-3 (mg/l)



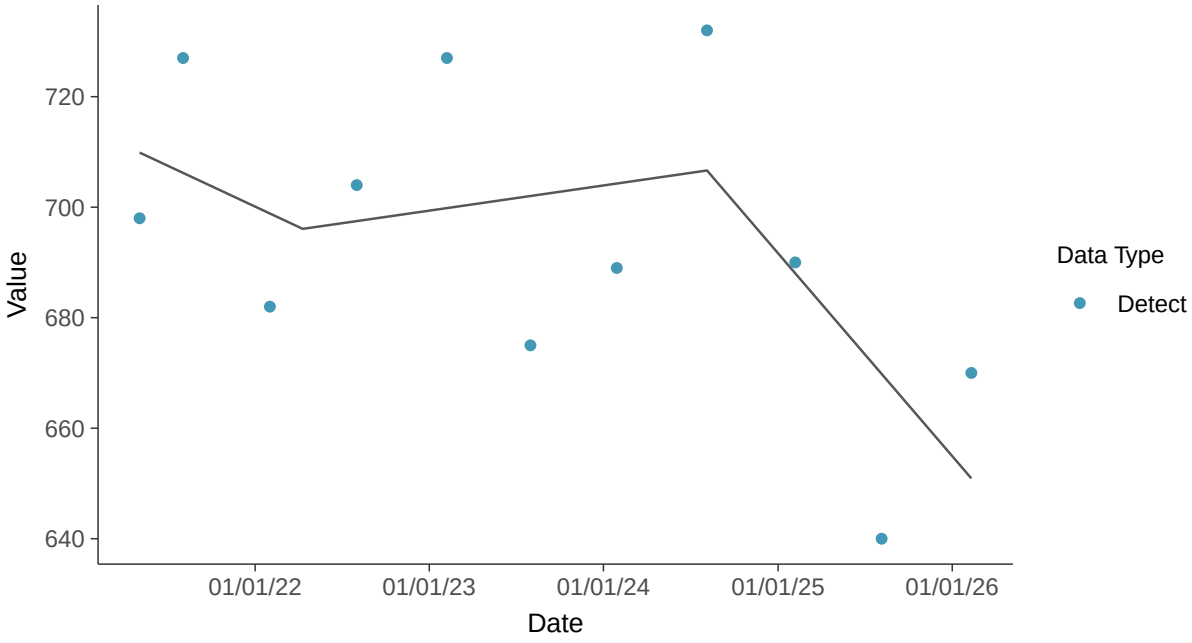
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-3 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Sulfate, MW-3 (mg/l)

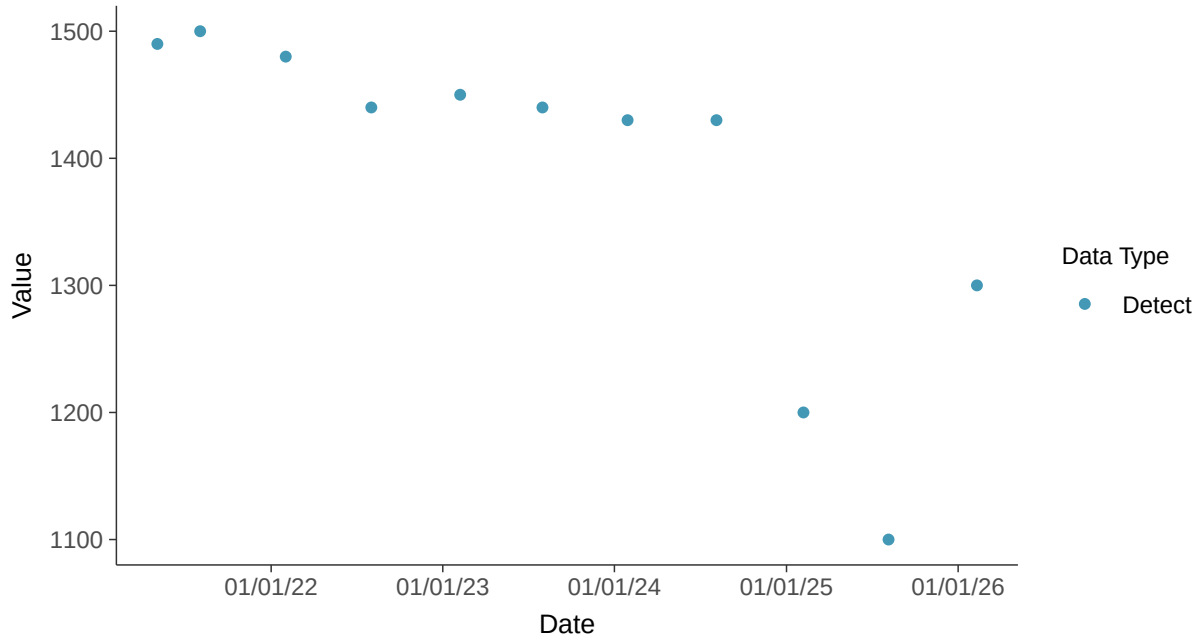


Appendix III: Total Dissolved Solids, MW-3

ID: 12_2_126

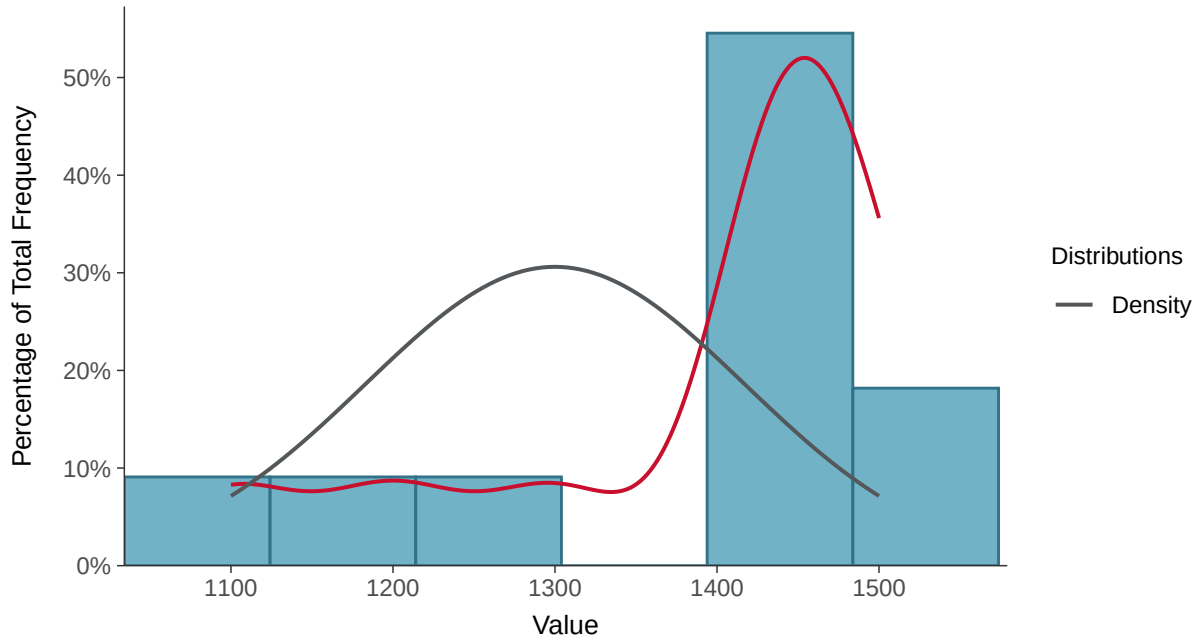
Scatter Plot

Total Dissolved Solids, MW-3 (mg/l)



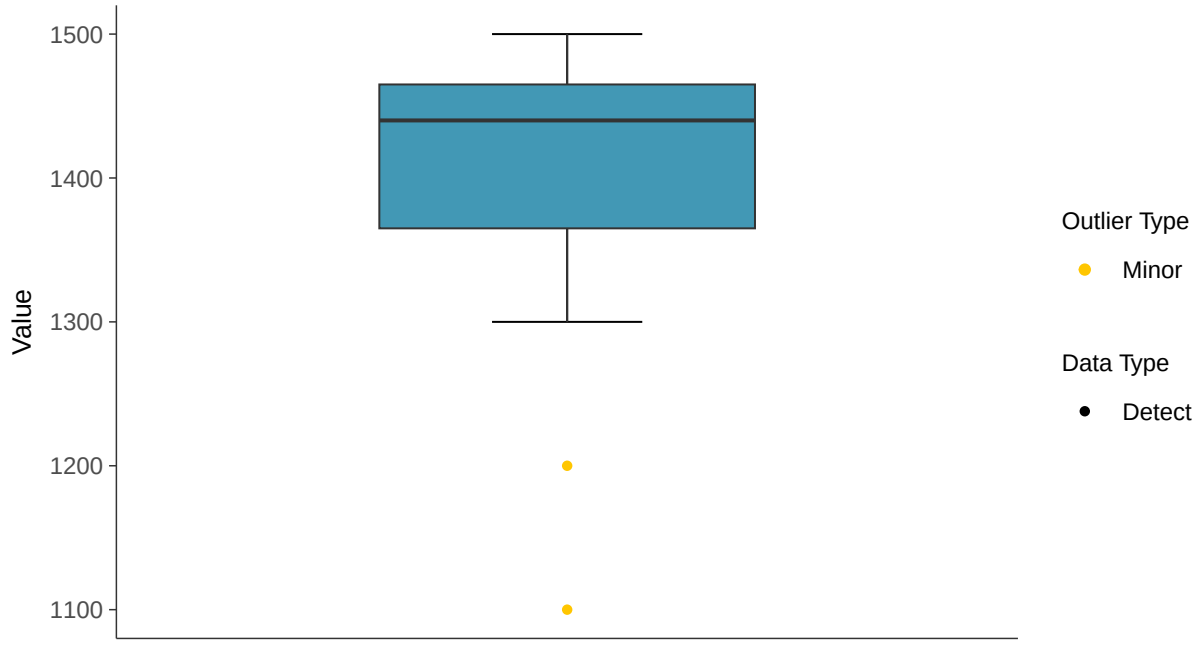
Histogram

Total Dissolved Solids, MW-3 (mg/l)



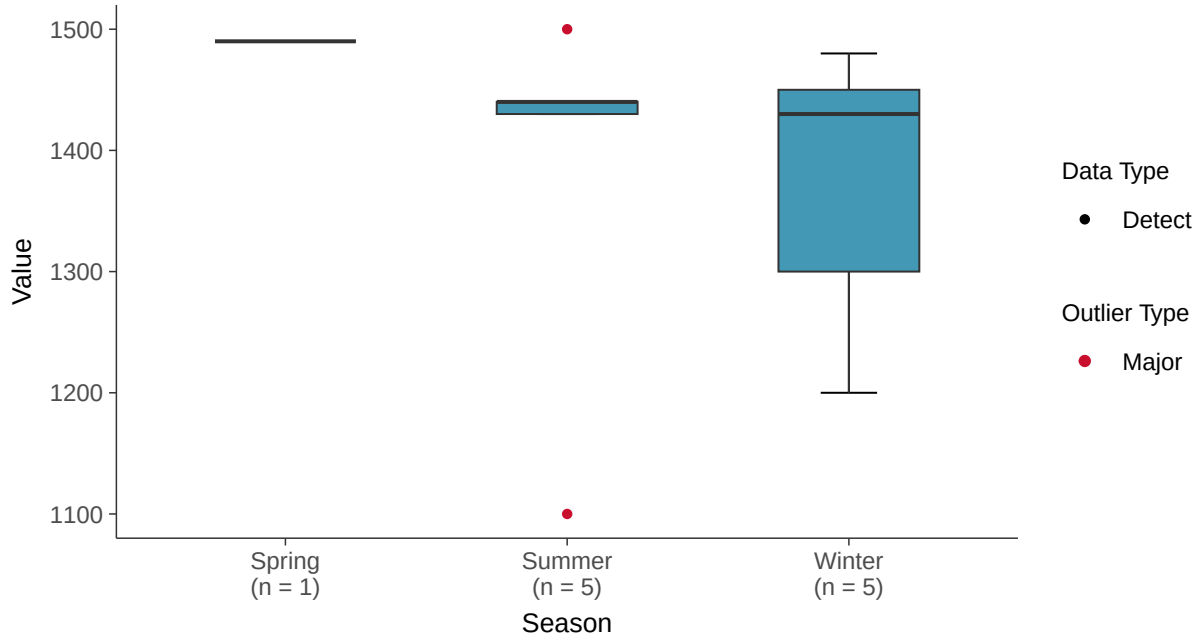
Boxplot

Total Dissolved Solids, MW-3 (mg/l)



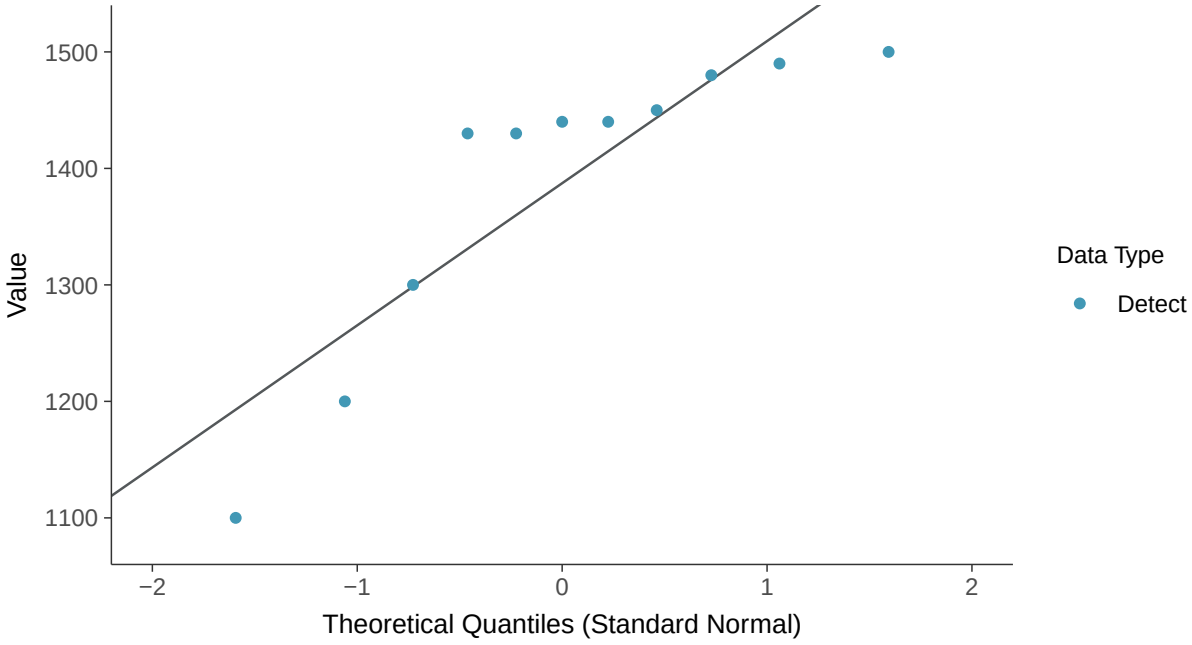
Boxplot by Season

Total Dissolved Solids, MW-3 (mg/l)



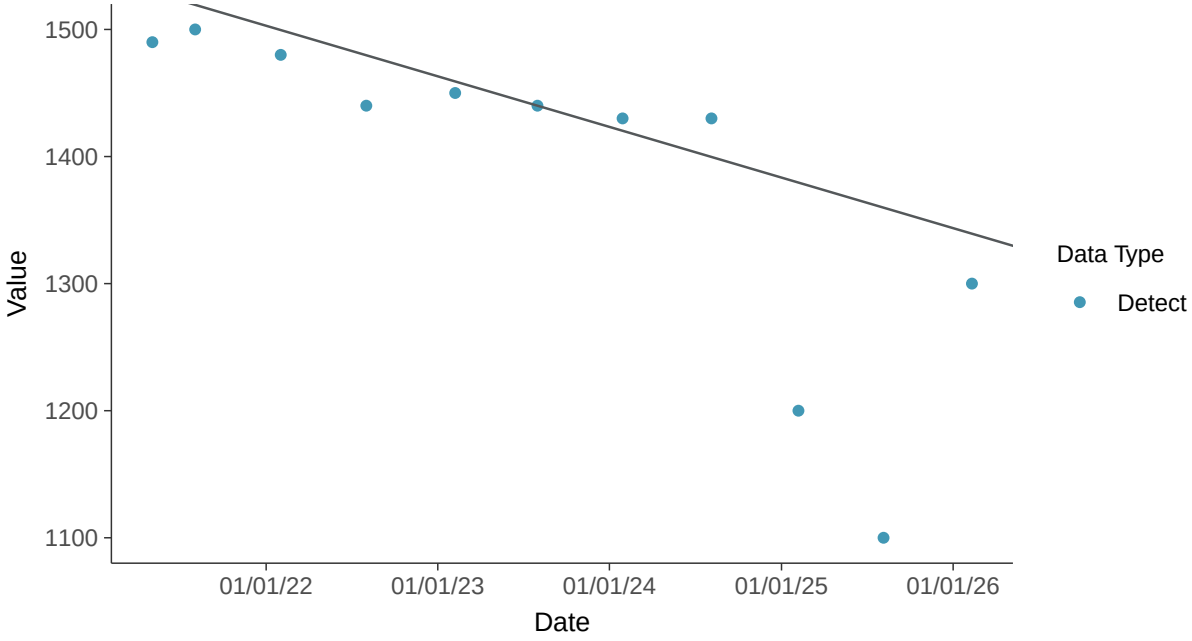
Normal Q-Q plot

Total Dissolved Solids, MW-3 (mg/l)



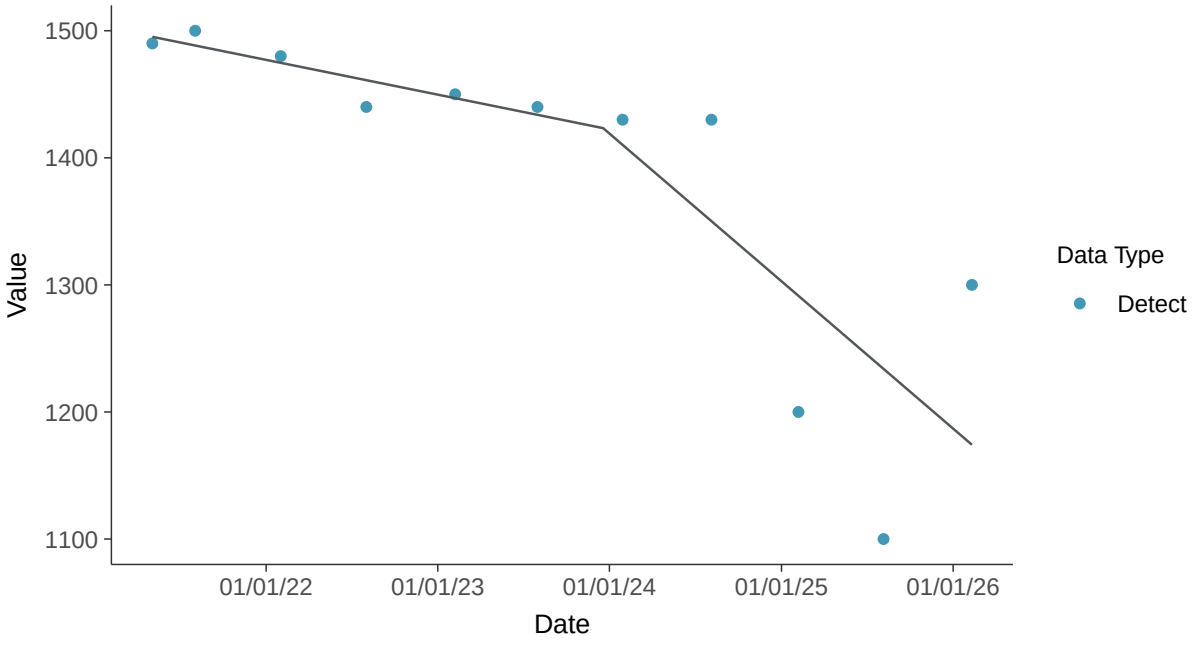
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Total Dissolved Solids, MW-3 (mg/l)



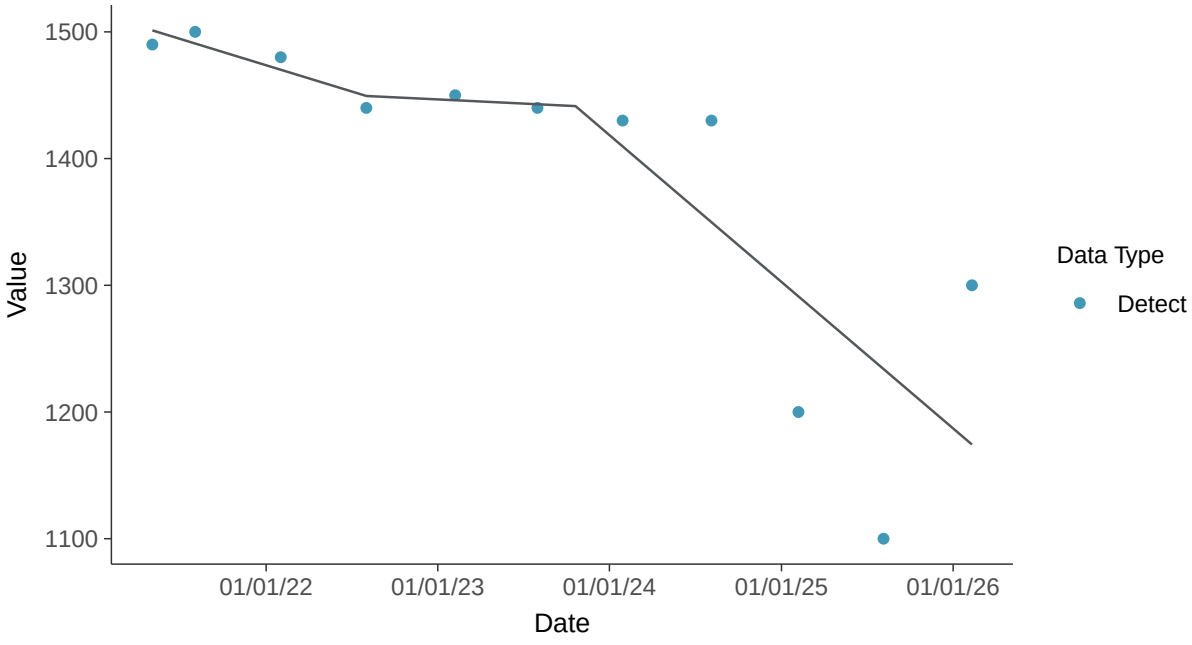
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-3 (mg/l)



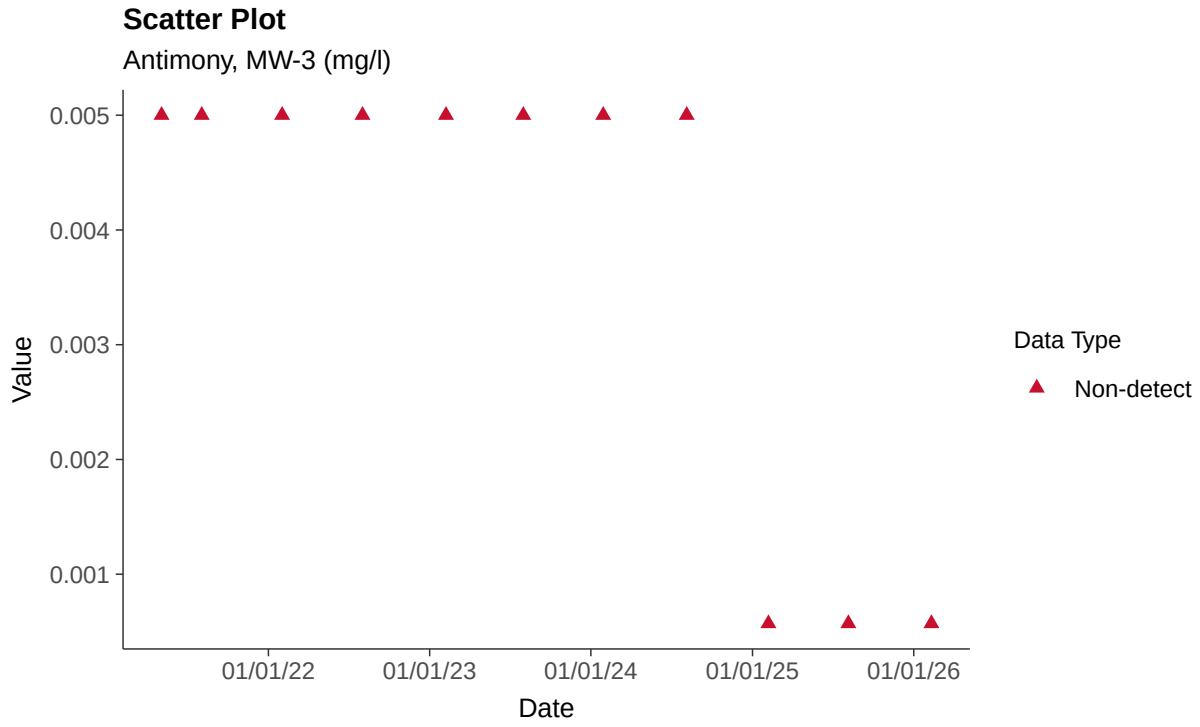
Trend Regression: Piecewise Linear-Linear-Linear

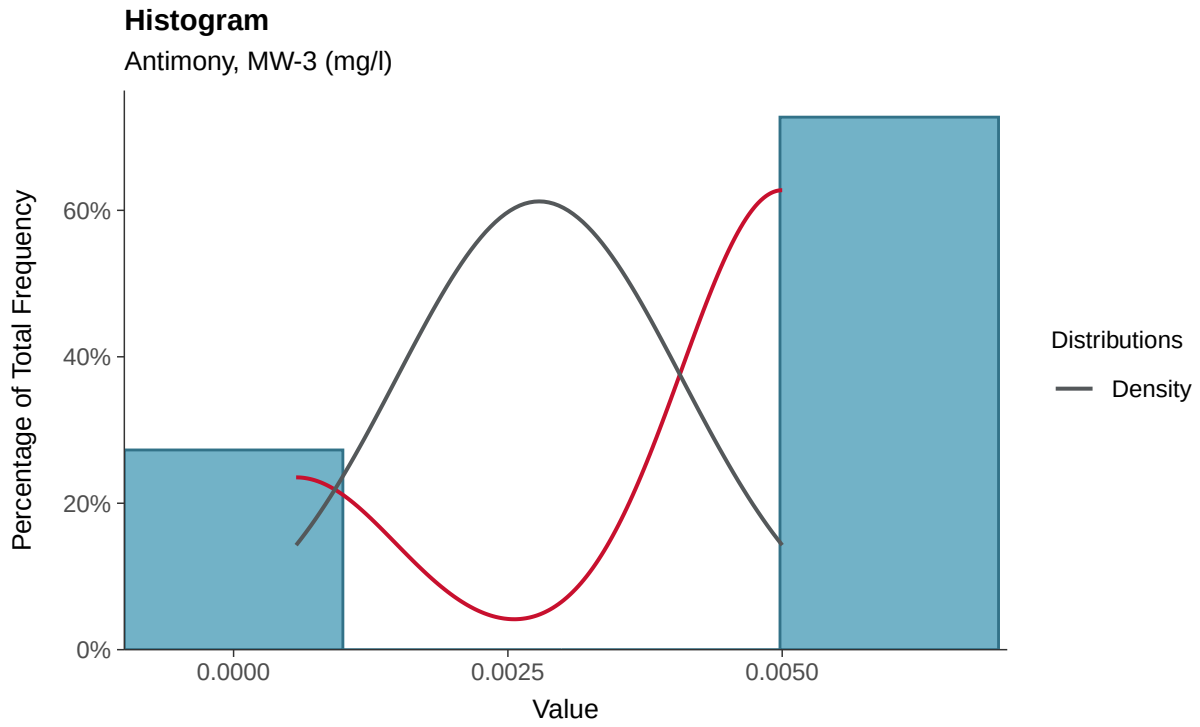
Total Dissolved Solids, MW-3 (mg/l)



Appendix IV: Antimony, MW-3

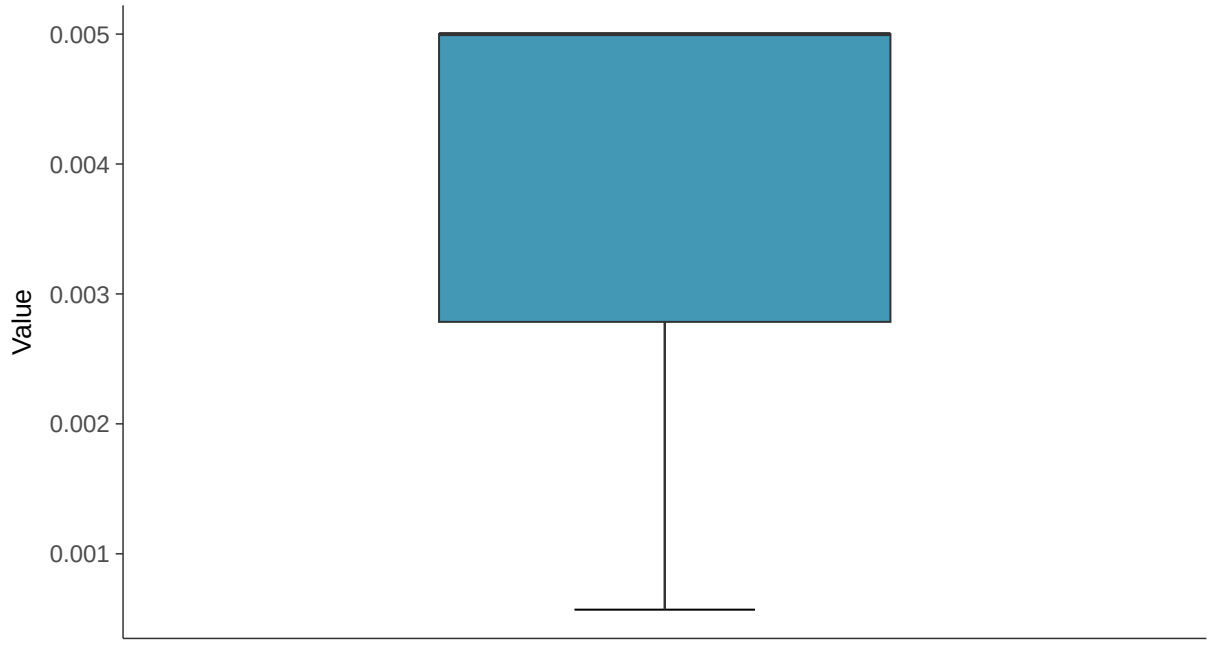
ID: 12_3_101





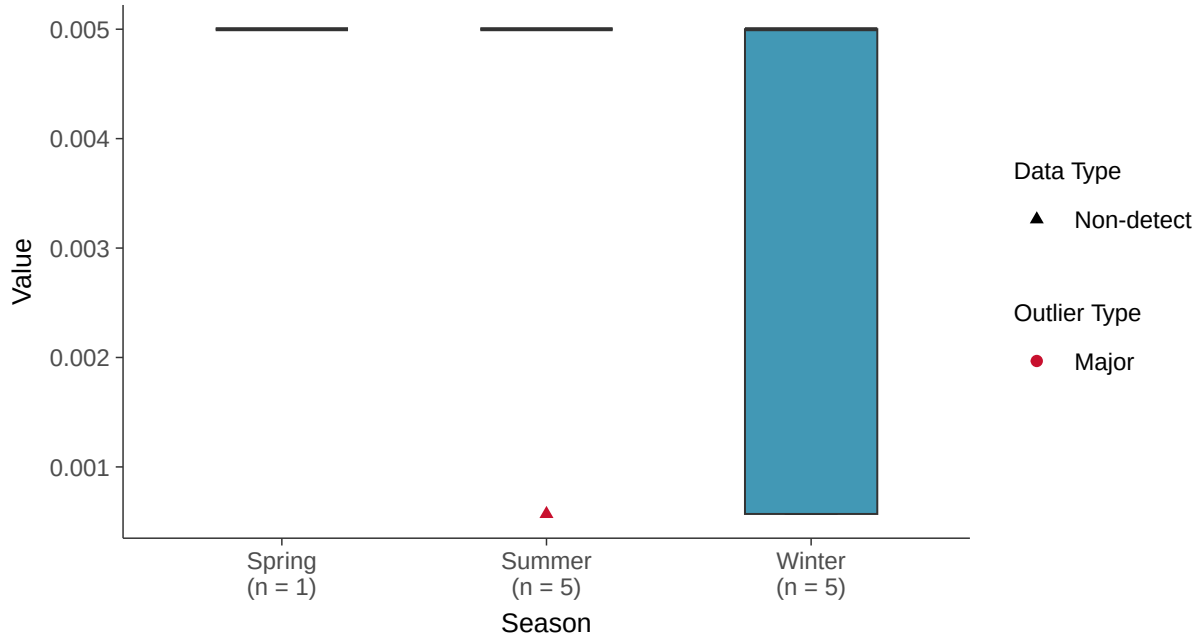
Boxplot

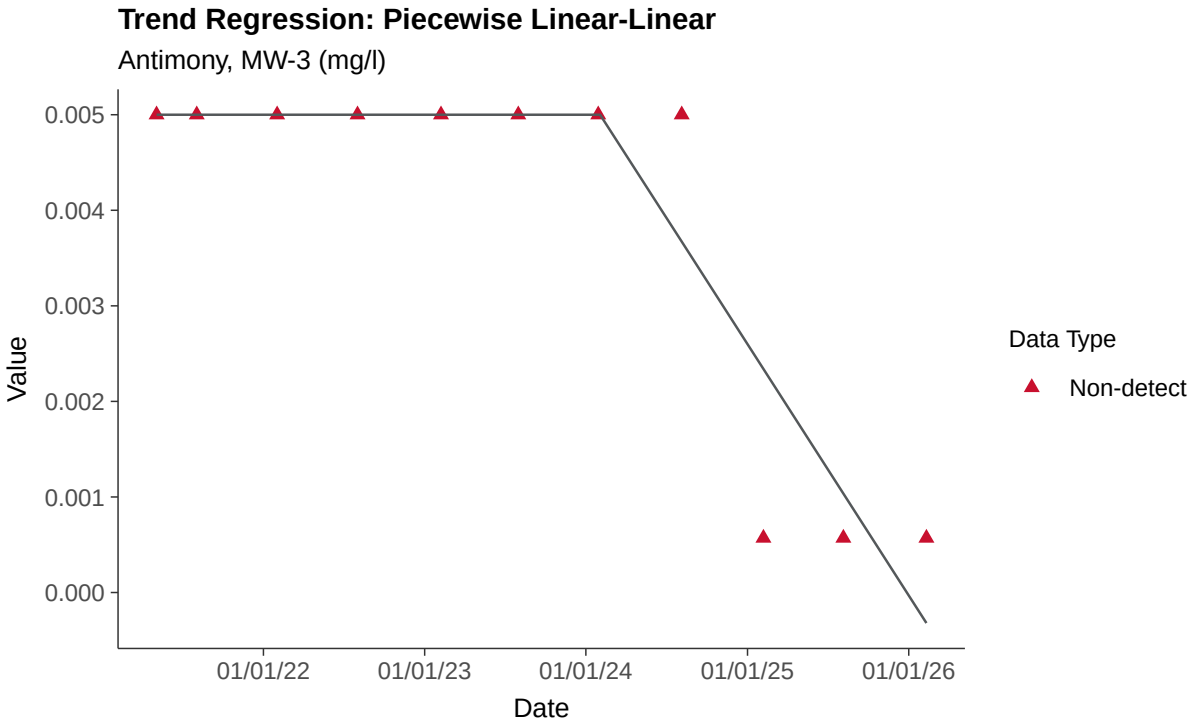
Antimony, MW-3 (mg/l)



Boxplot by Season

Antimony, MW-3 (mg/l)



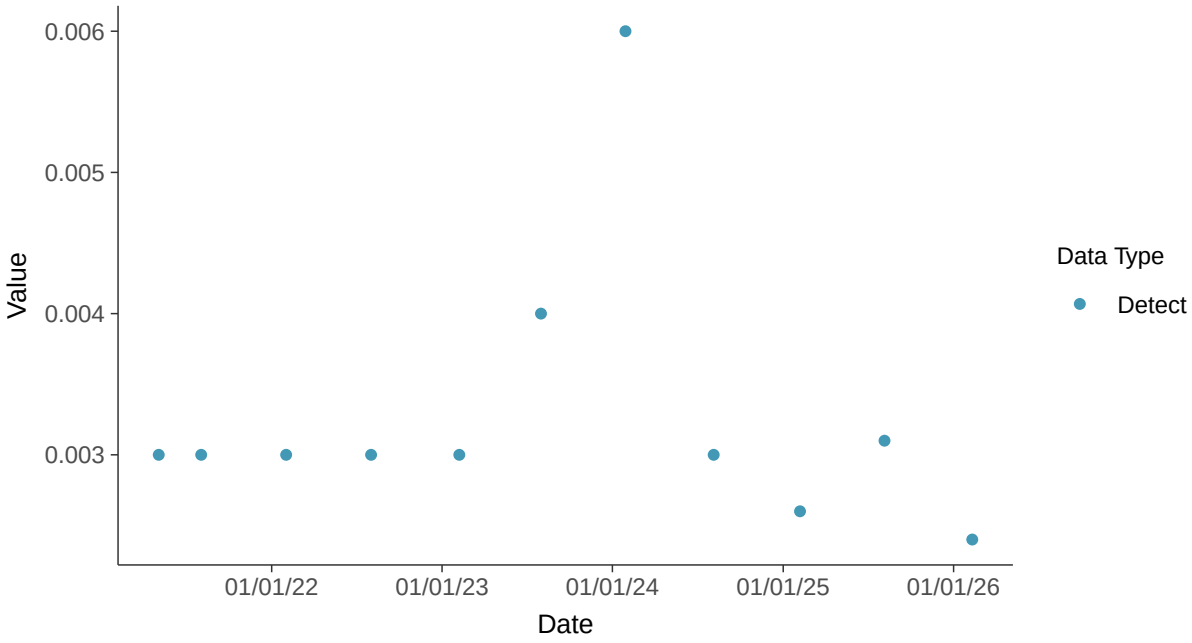

Trend Regression: Piecewise Linear-Linear
Antimony, MW-3 (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-3

ID: 12_3_102

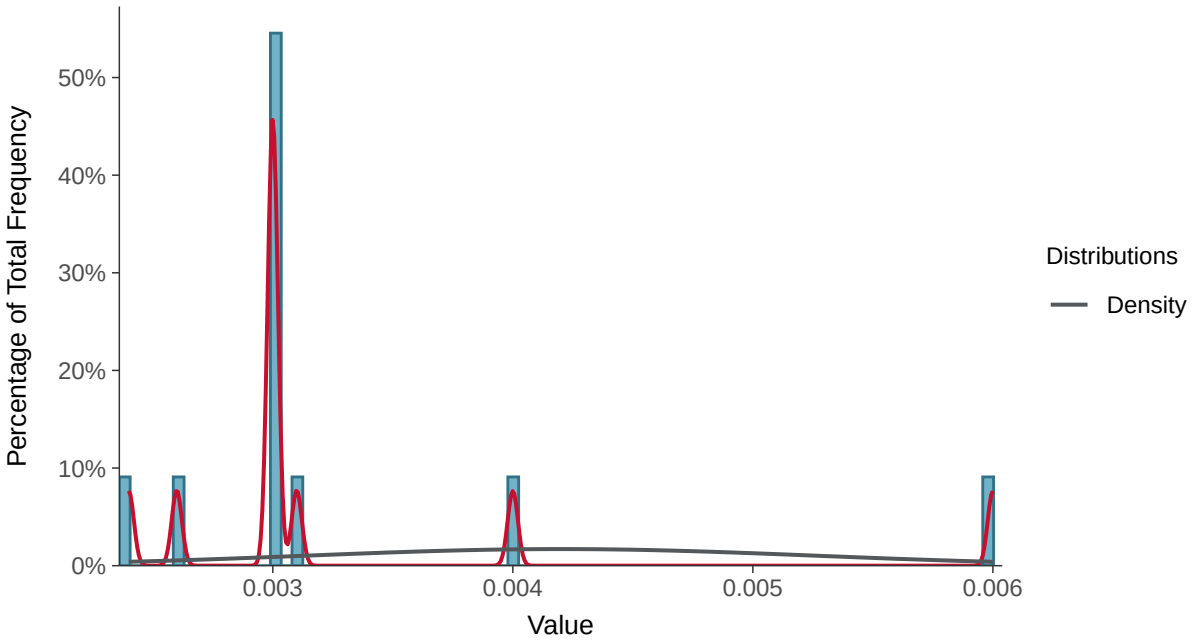
Scatter Plot

Arsenic, MW-3 (mg/l)



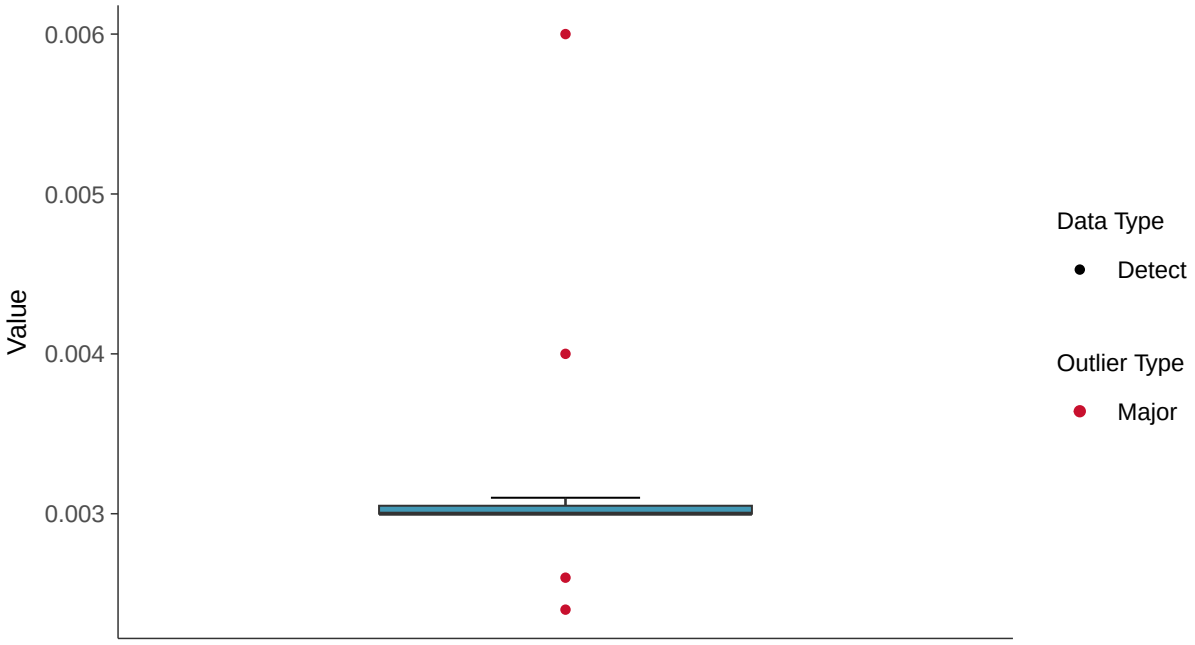
Histogram

Arsenic, MW-3 (mg/l)



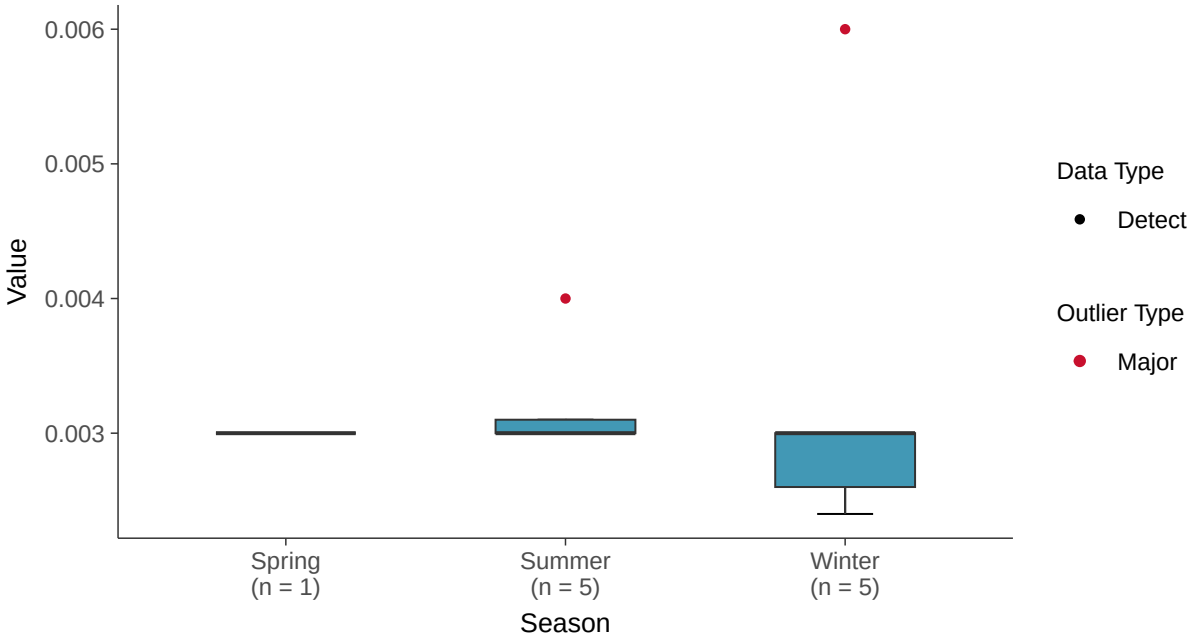
Boxplot

Arsenic, MW-3 (mg/l)



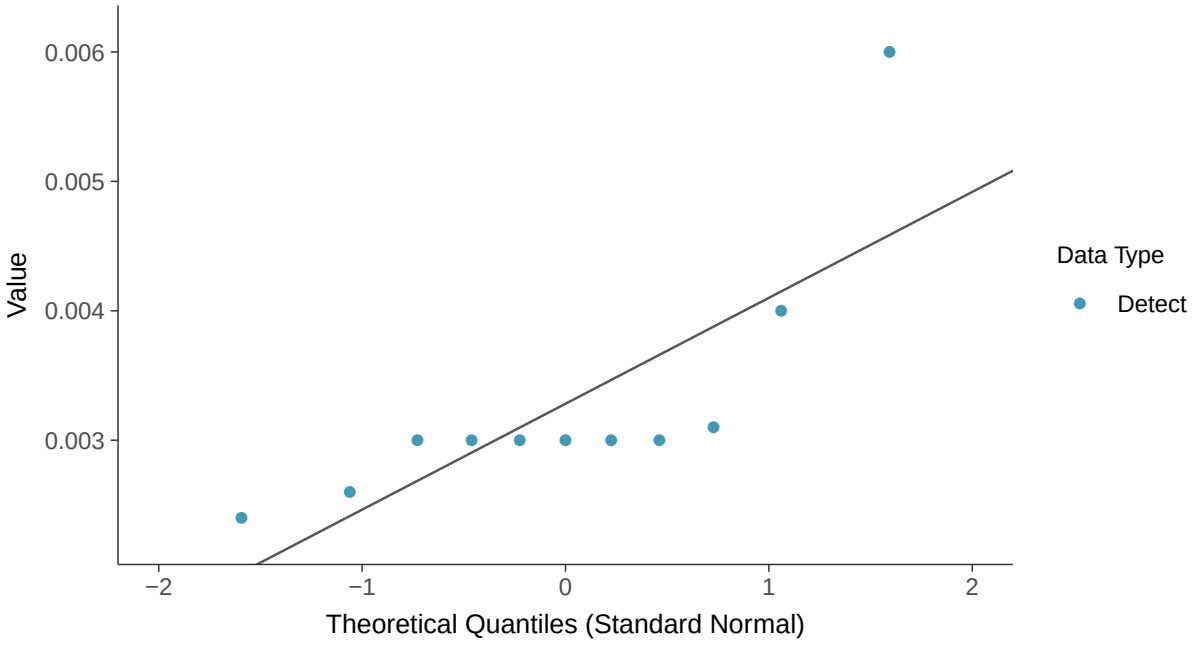
Boxplot by Season

Arsenic, MW-3 (mg/l)



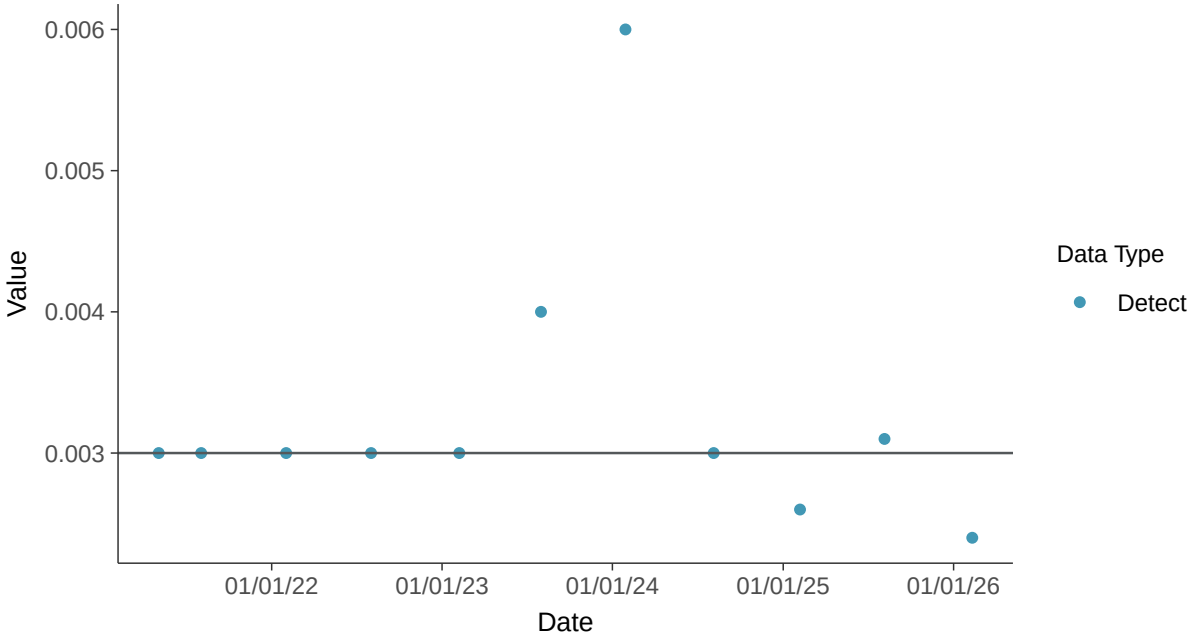
Normal Q-Q plot

Arsenic, MW-3 (mg/l)



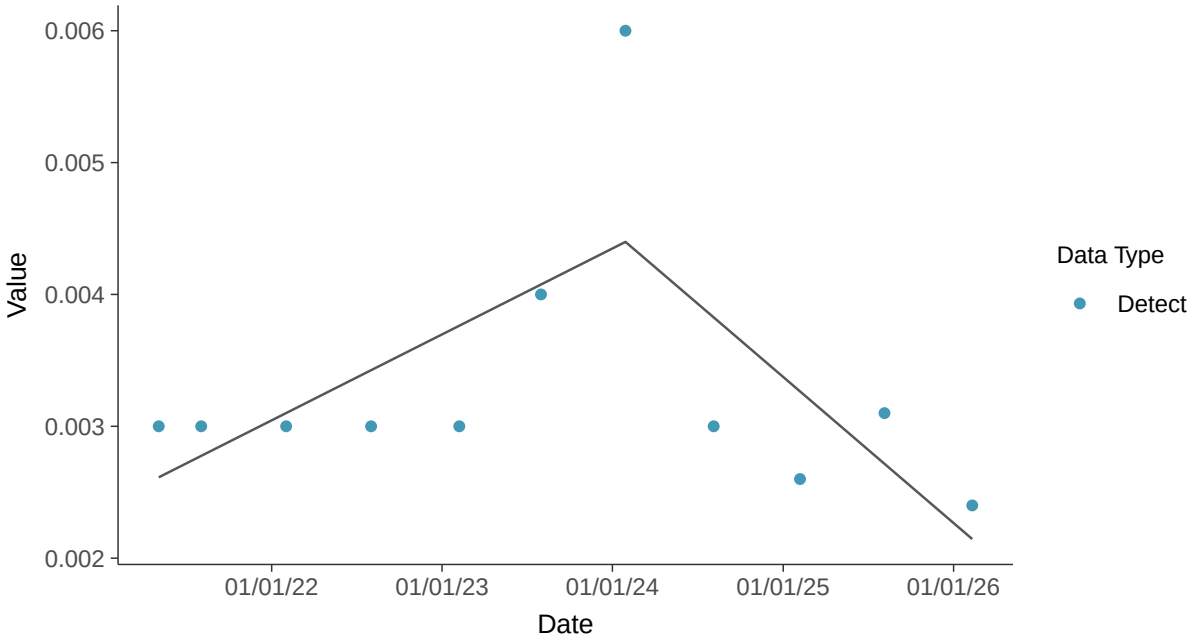
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Arsenic, MW-3 (mg/l)



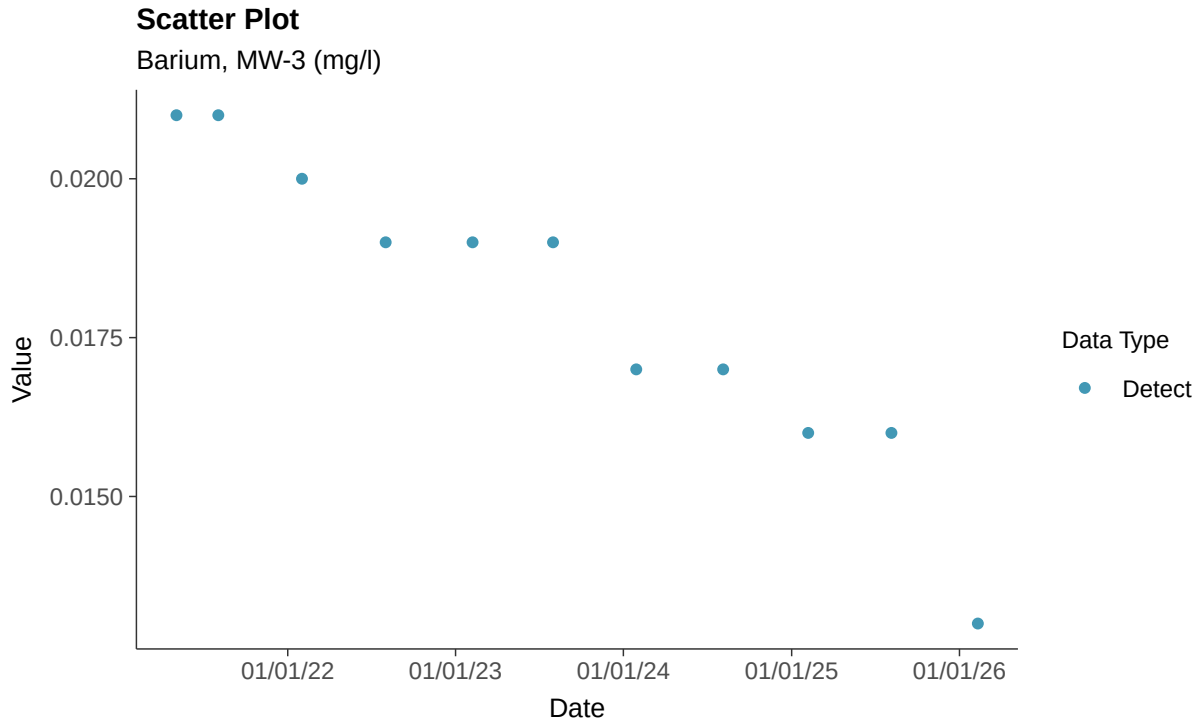
Trend Regression: Piecewise Linear-Linear

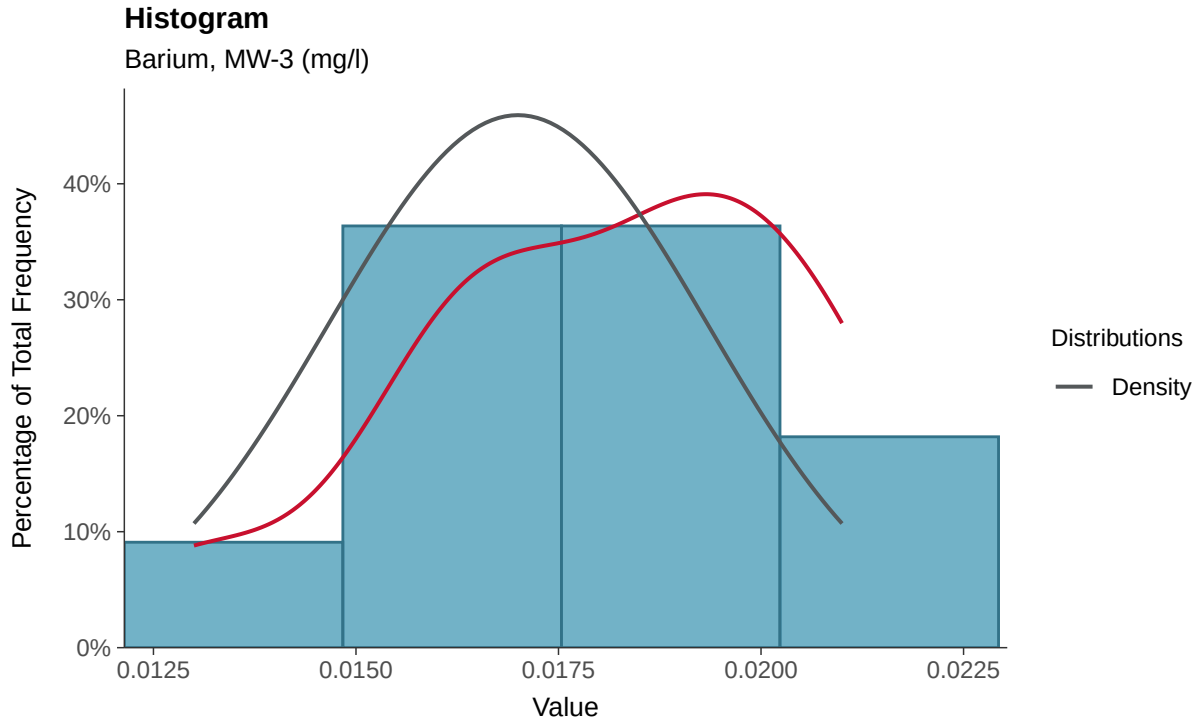
Arsenic, MW-3 (mg/l)



Appendix IV: Barium, MW-3

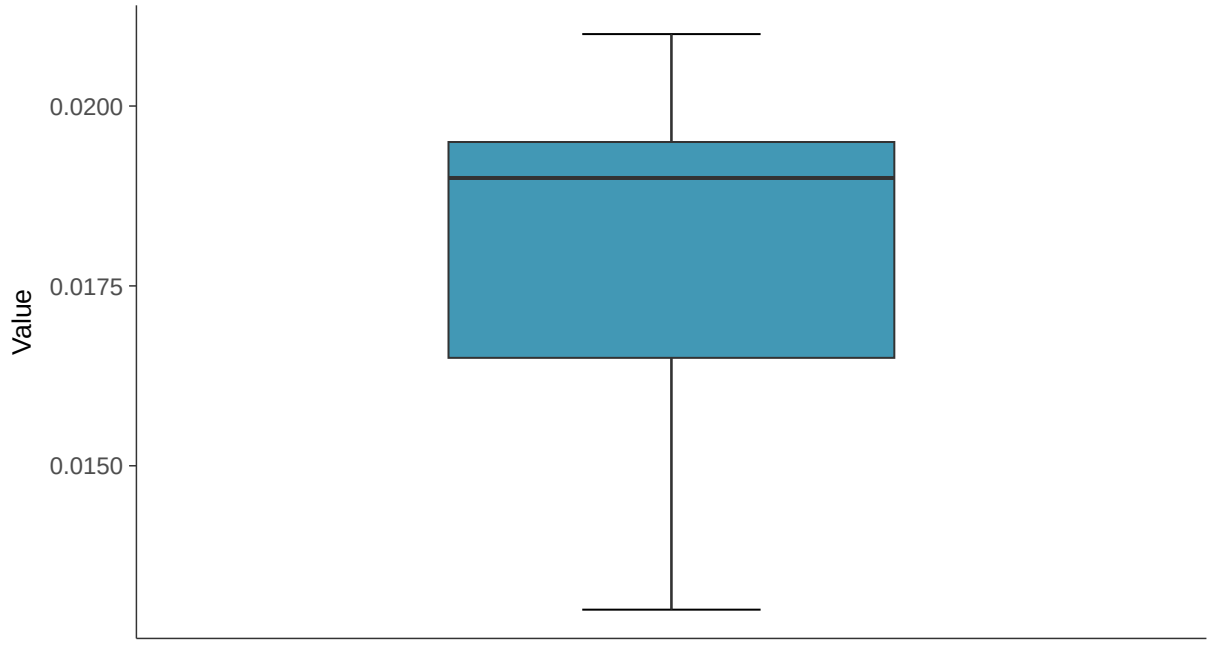
ID: 12_3_103





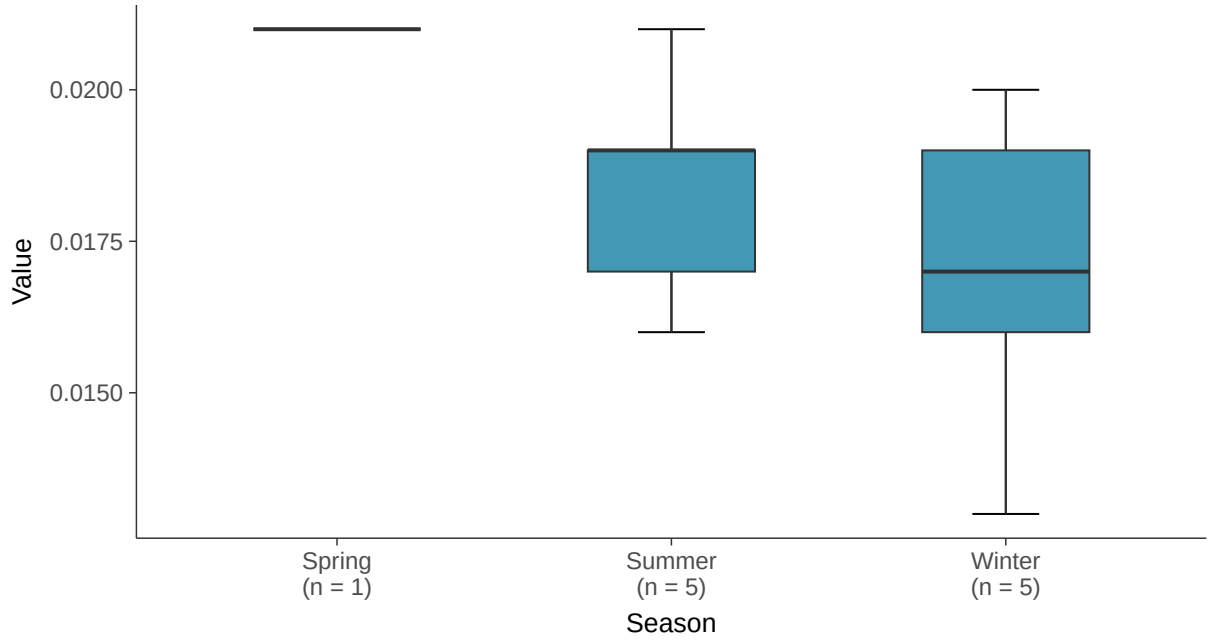
Boxplot

Barium, MW-3 (mg/l)



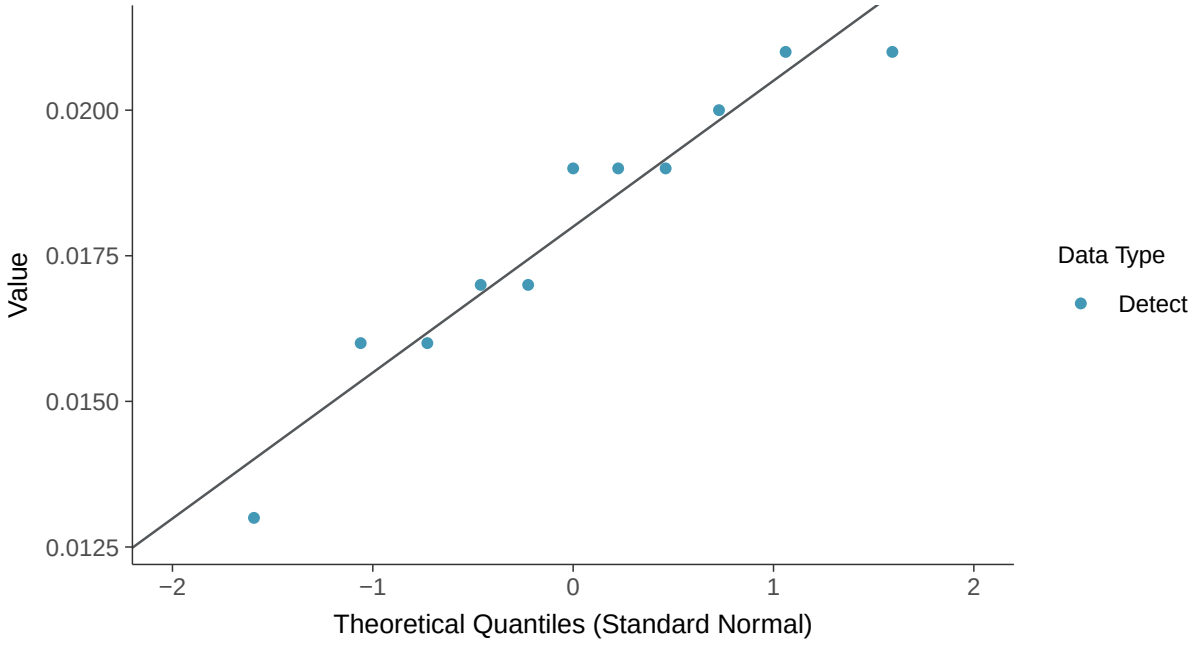
Boxplot by Season

Barium, MW-3 (mg/l)



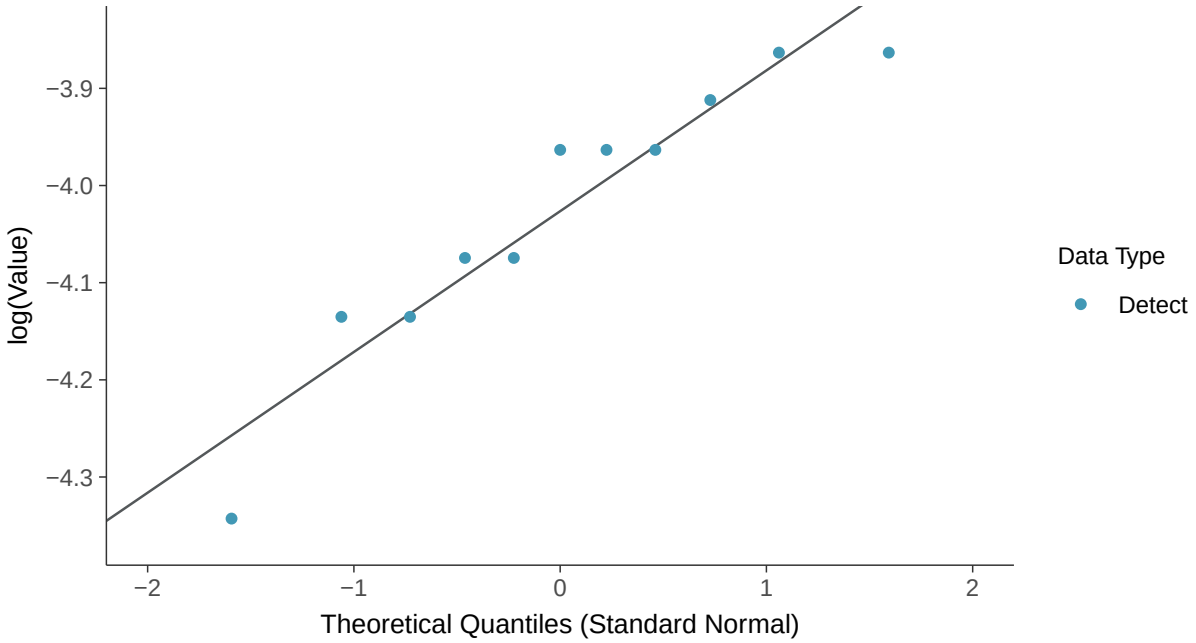
Normal Q-Q plot

Barium, MW-3 (mg/l)



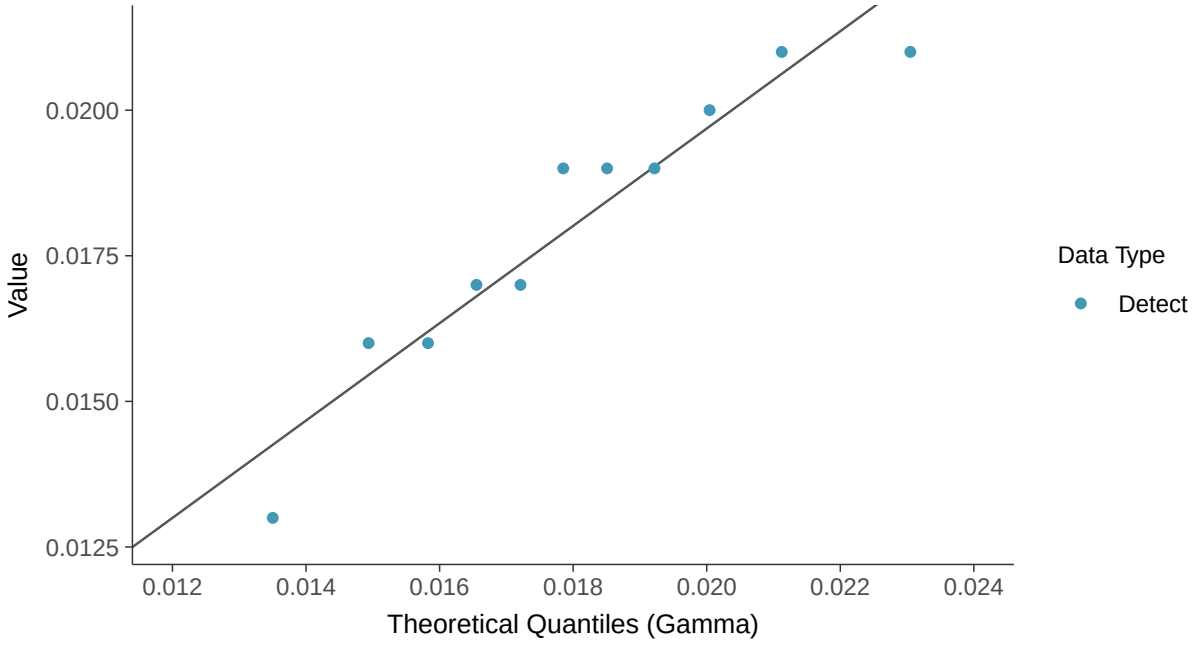
Lognormal Q-Q plot

Barium, MW-3 (mg/l)



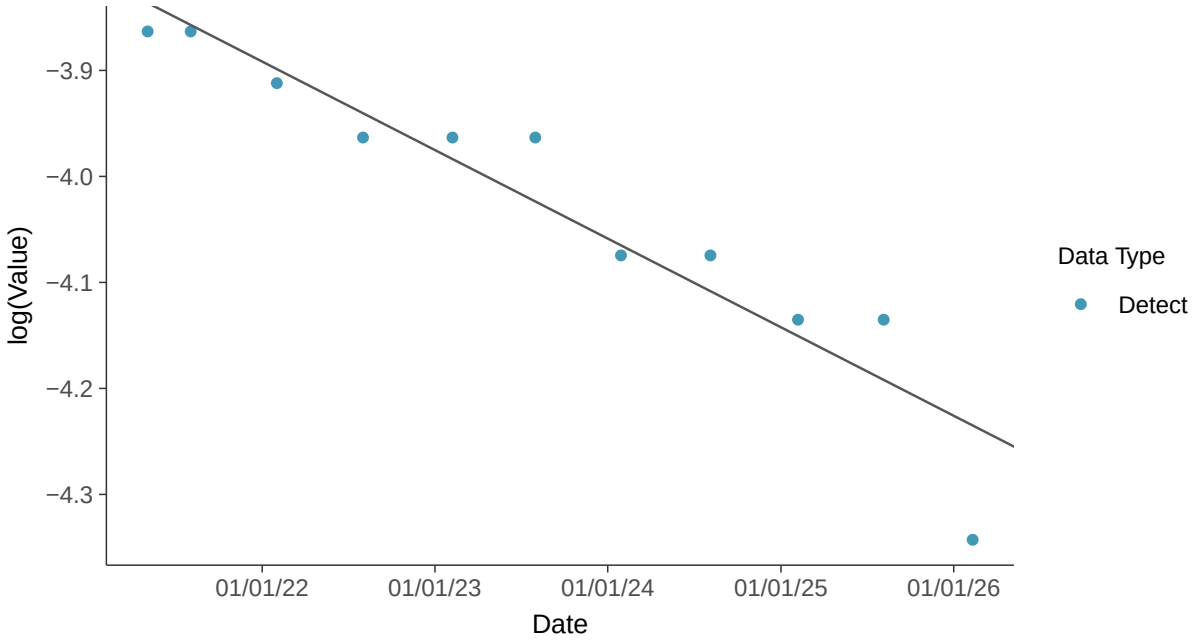
Gamma Q-Q plot

Barium, MW-3 (mg/l)



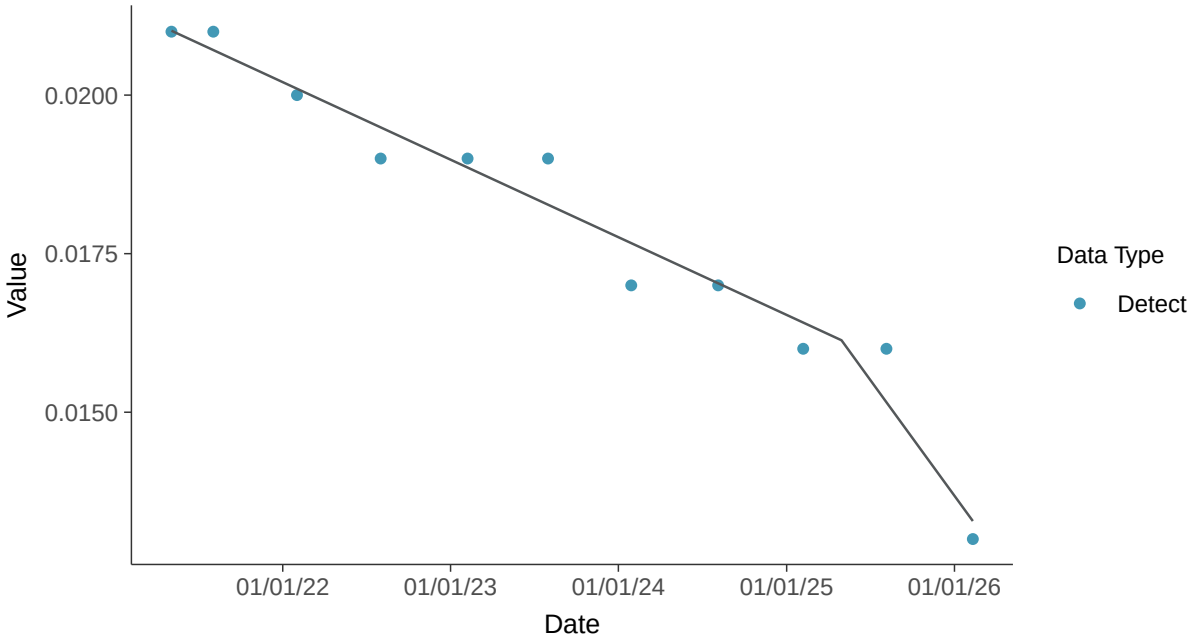
Trend Regression: Lognormal MLE

Barium, MW-3 (mg/l)



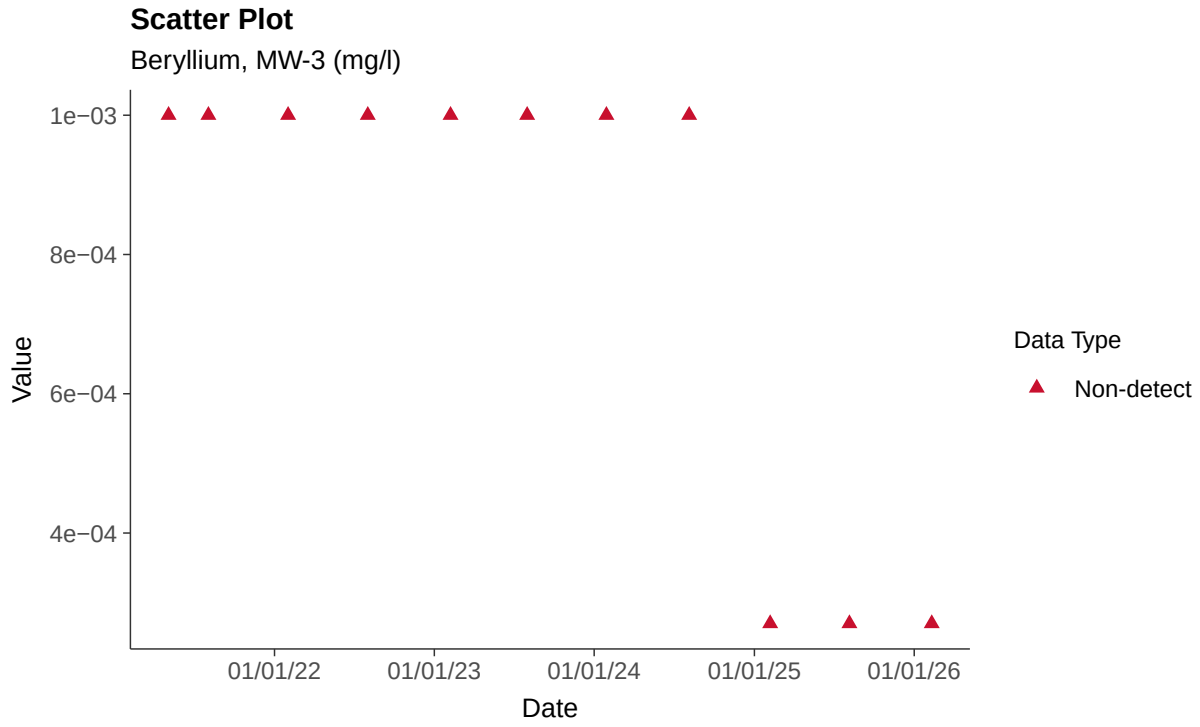
Trend Regression: Piecewise Linear-Linear

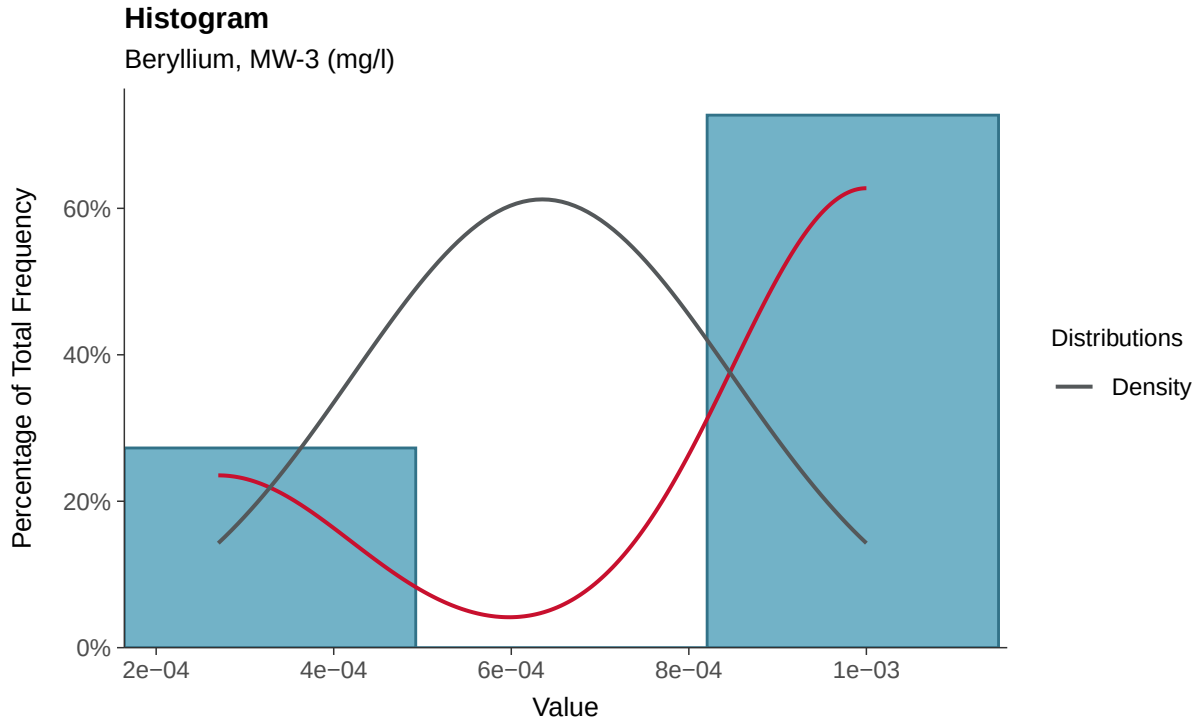
Barium, MW-3 (mg/l)



Appendix IV: Beryllium, MW-3

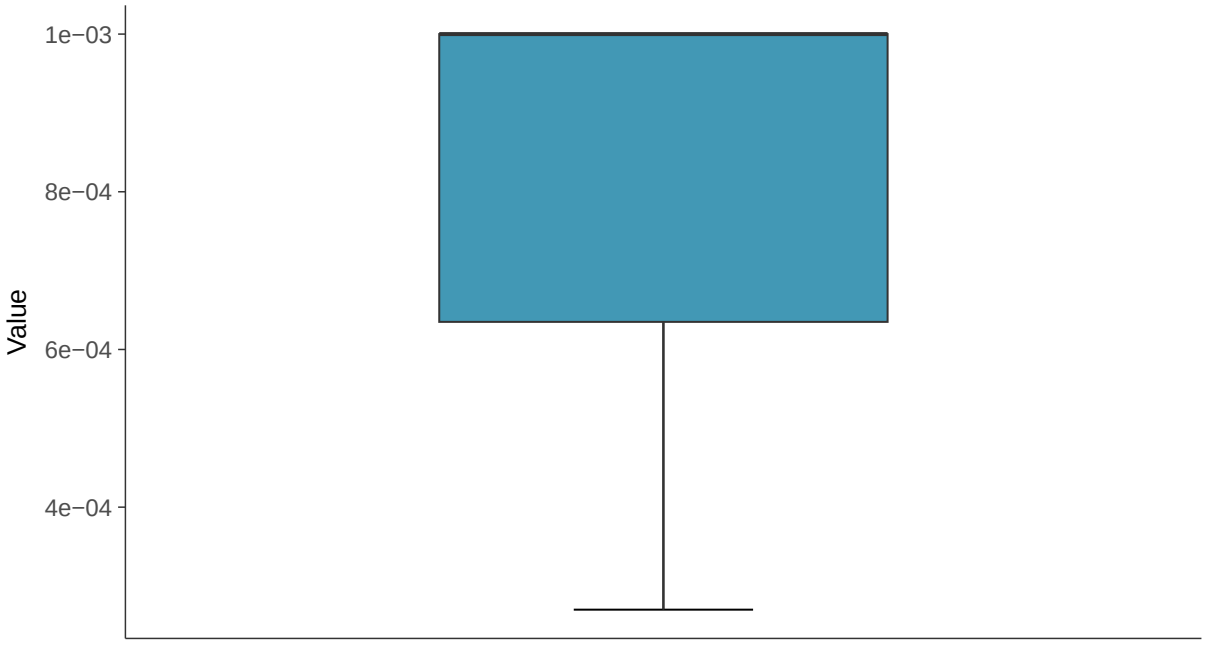
ID: 12_3_104





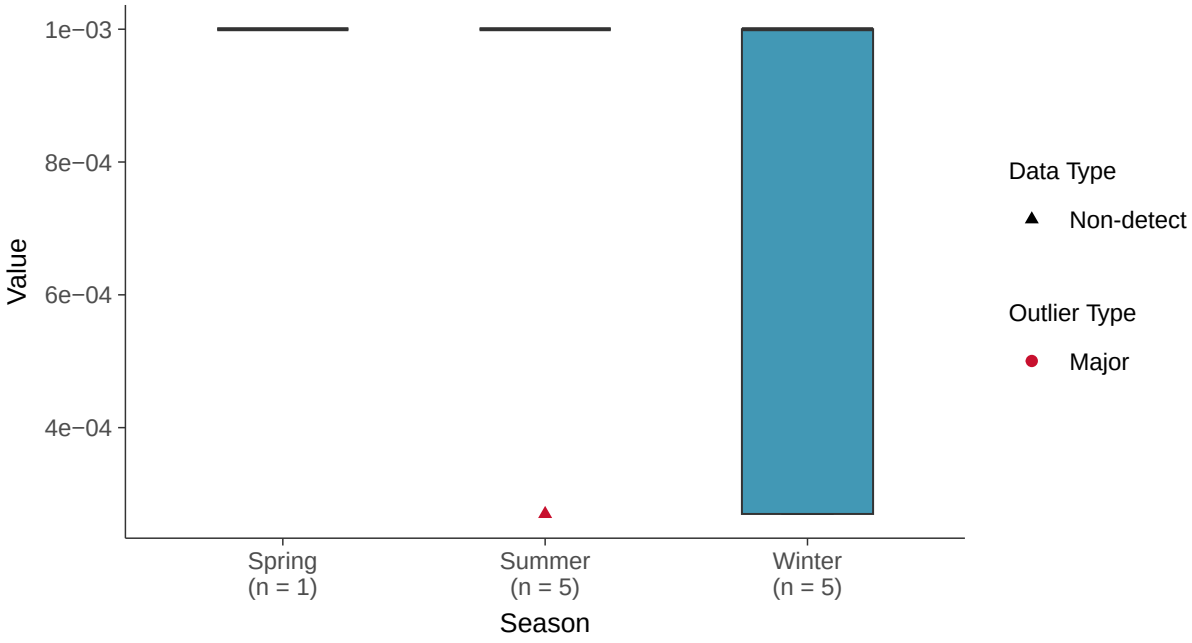
Boxplot

Beryllium, MW-3 (mg/l)



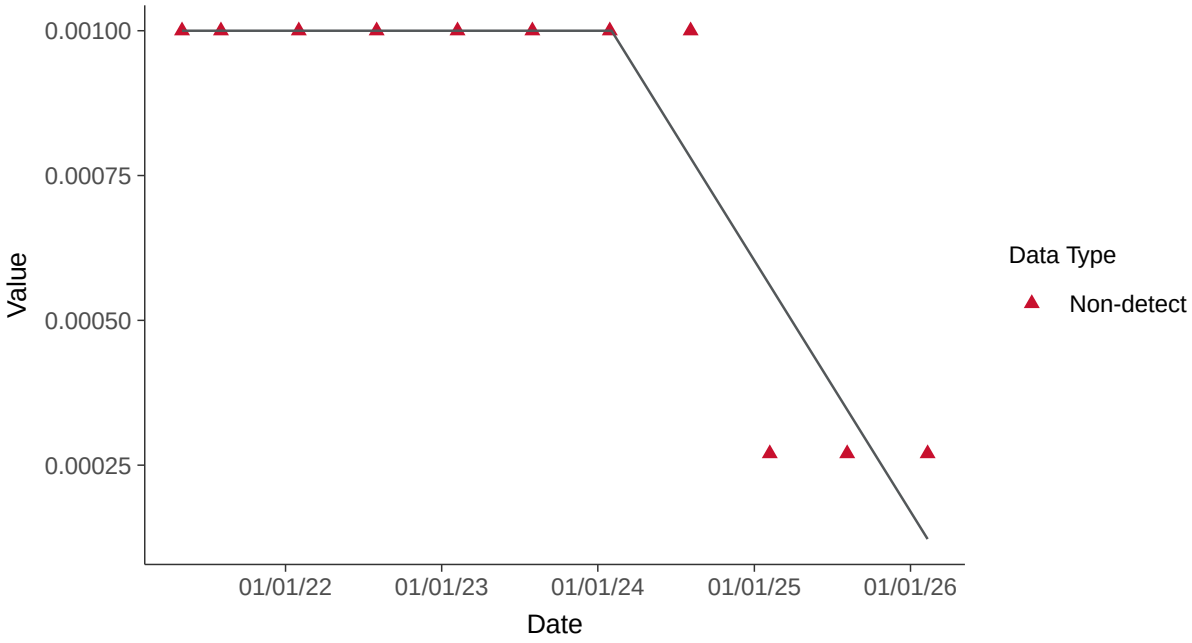
Boxplot by Season

Beryllium, MW-3 (mg/l)



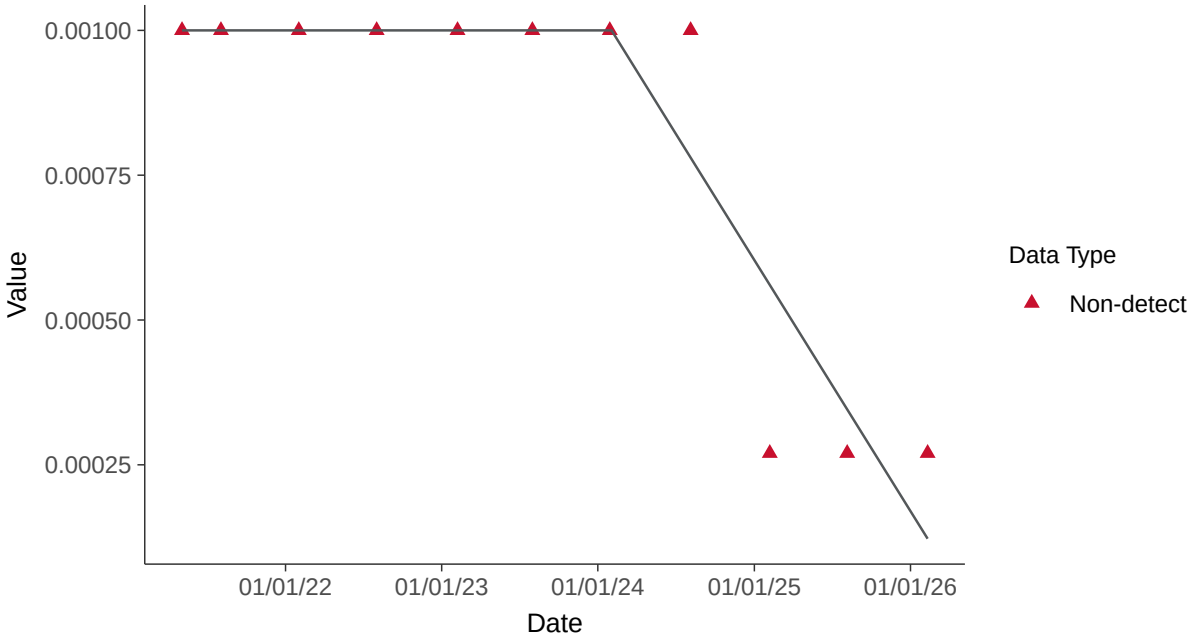
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-3 (mg/l)



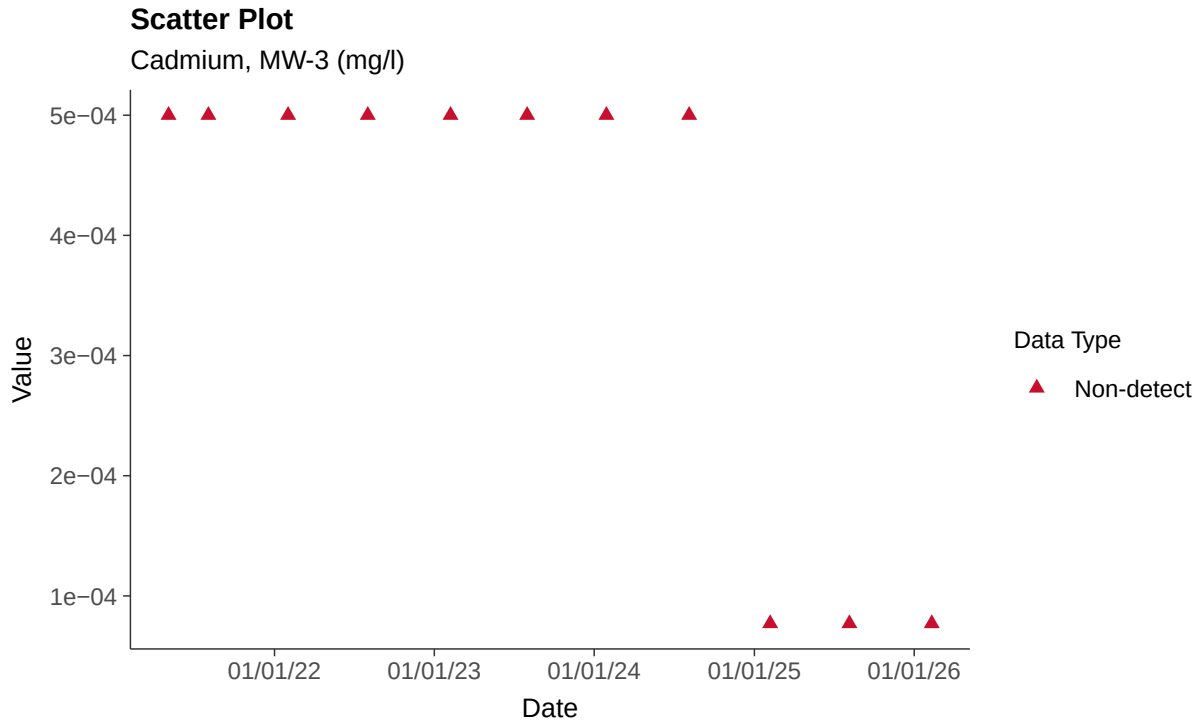
Trend Regression: Piecewise Linear-Linear-Linear

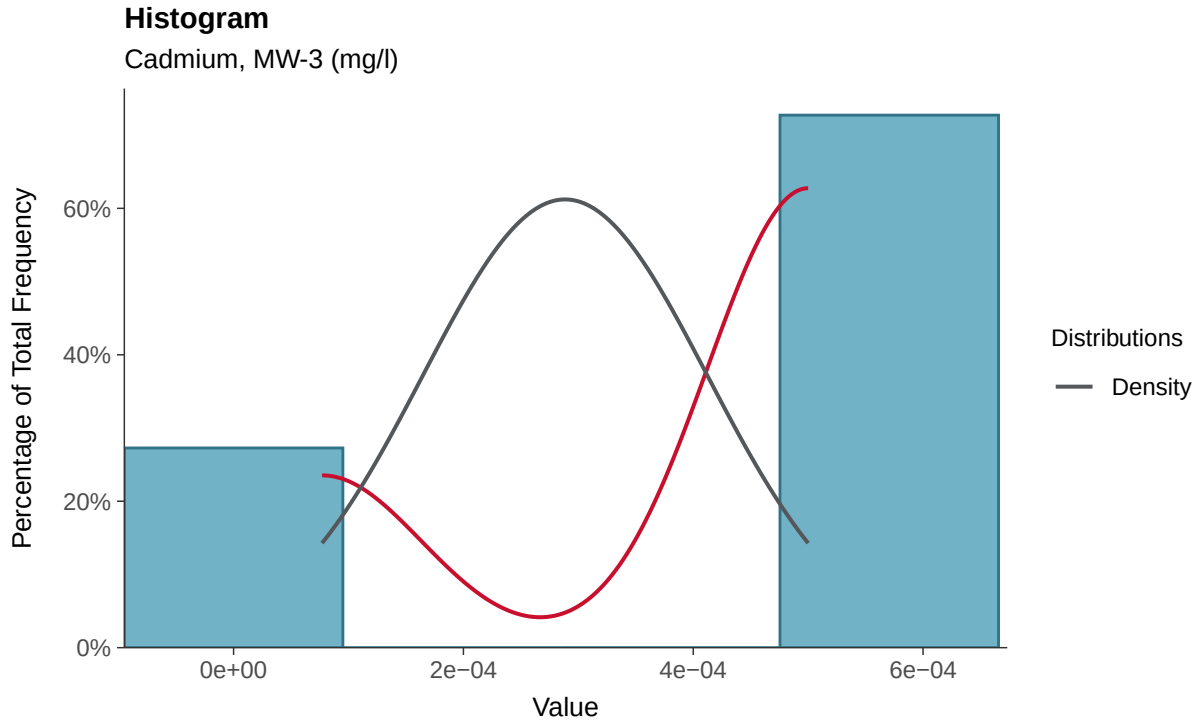
Beryllium, MW-3 (mg/l)



Appendix IV: Cadmium, MW-3

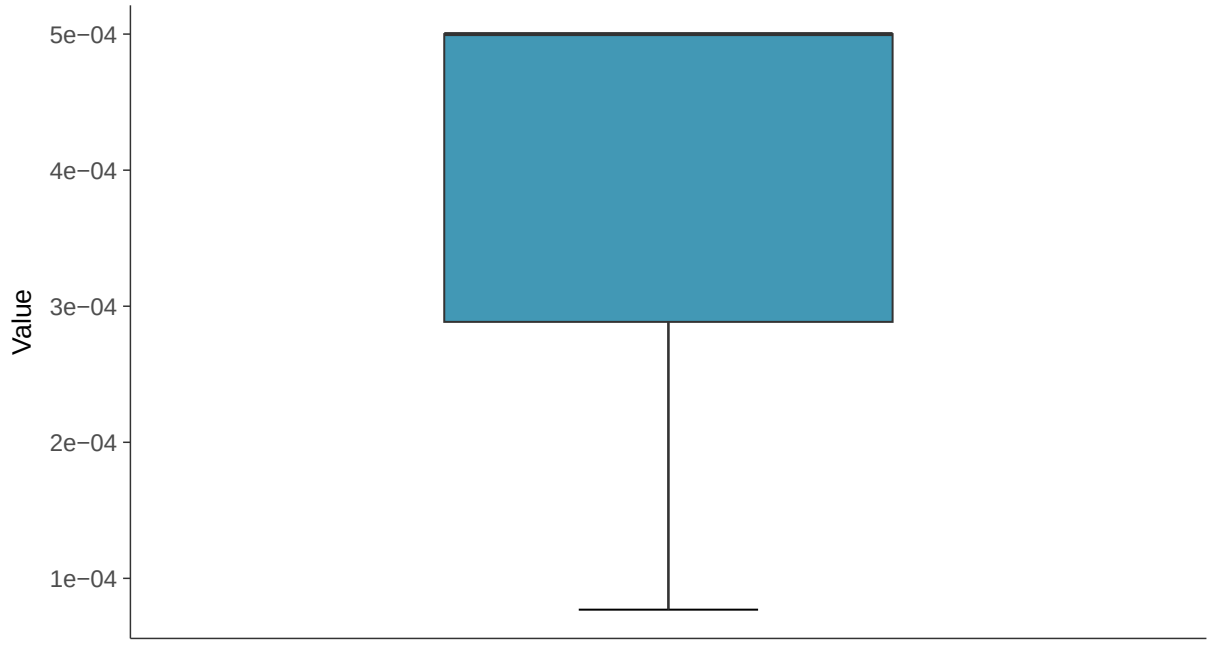
ID: 12_3_106





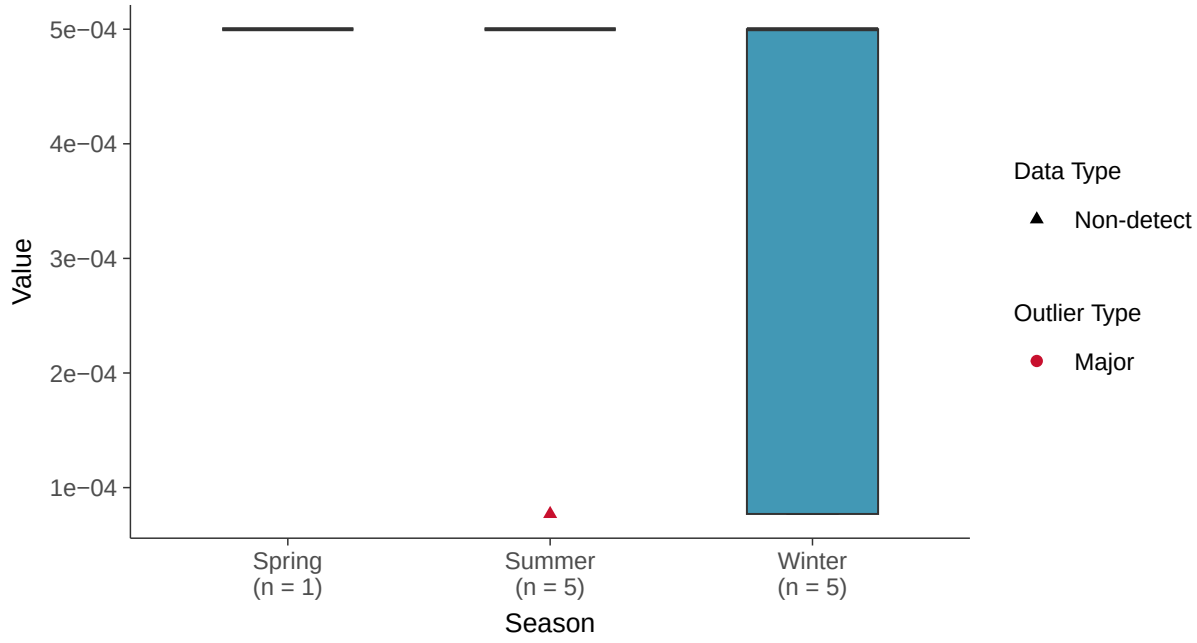
Boxplot

Cadmium, MW-3 (mg/l)



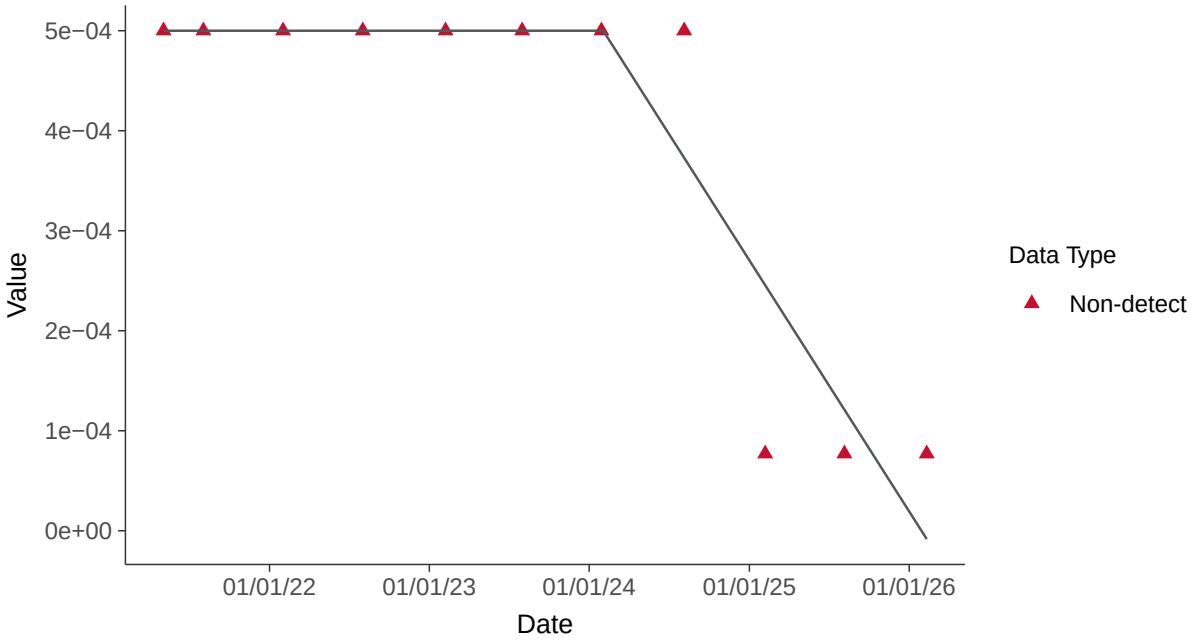
Boxplot by Season

Cadmium, MW-3 (mg/l)



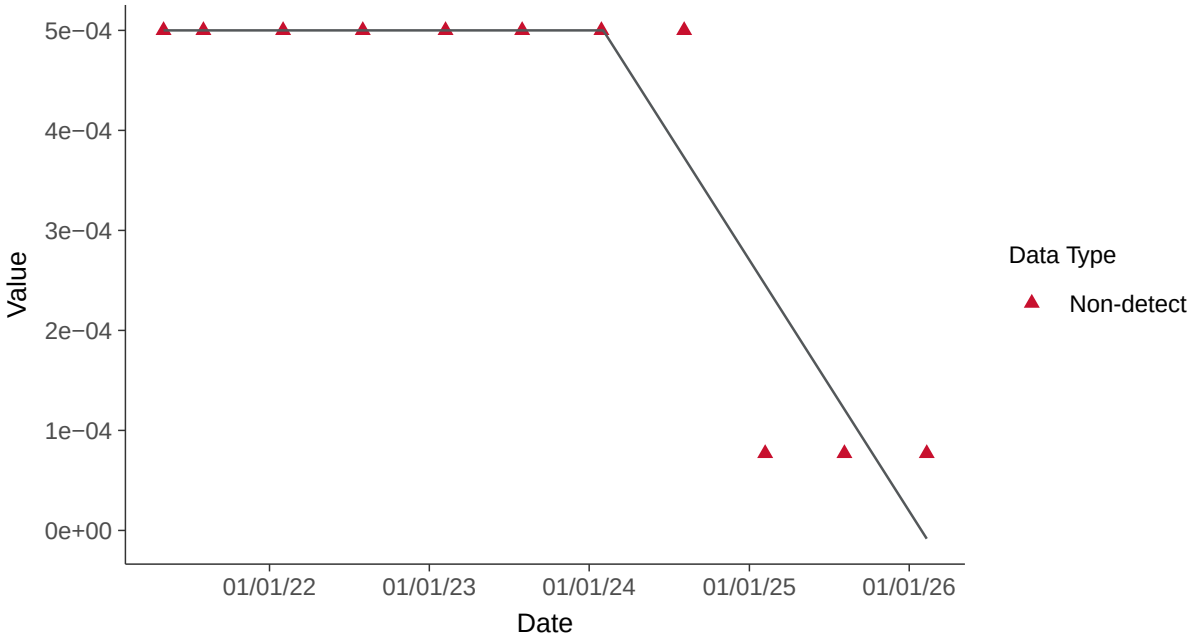
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-3 (mg/l)



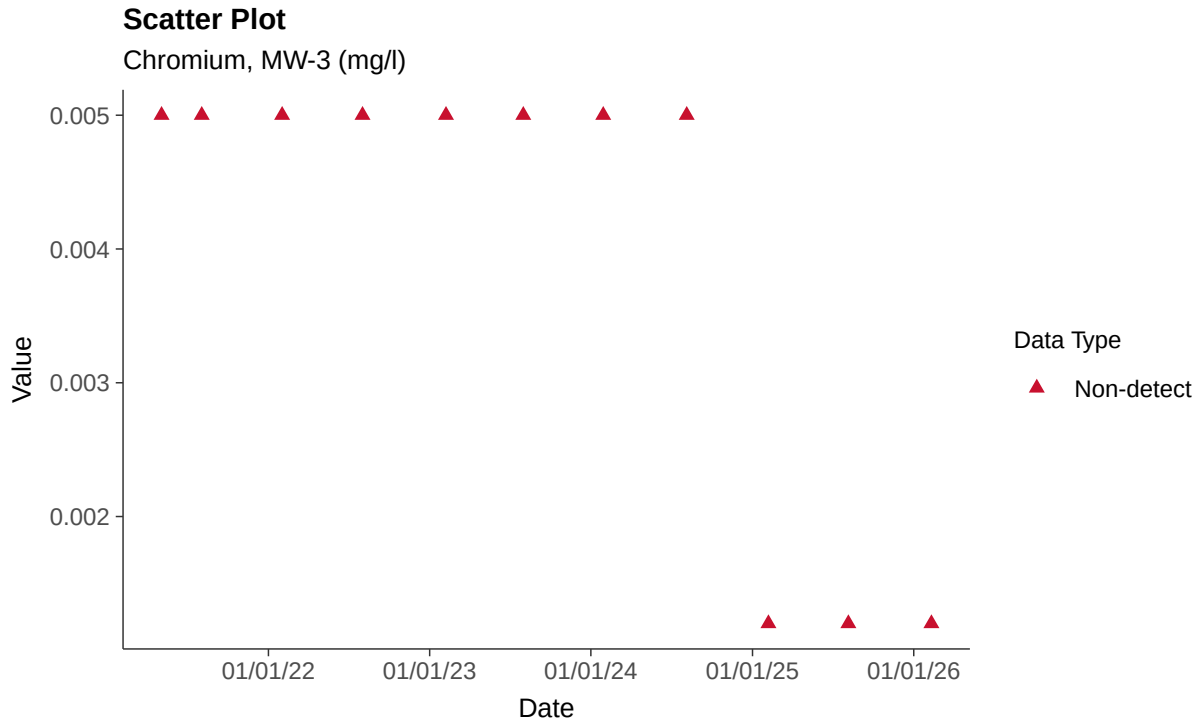
Trend Regression: Piecewise Linear-Linear-Linear

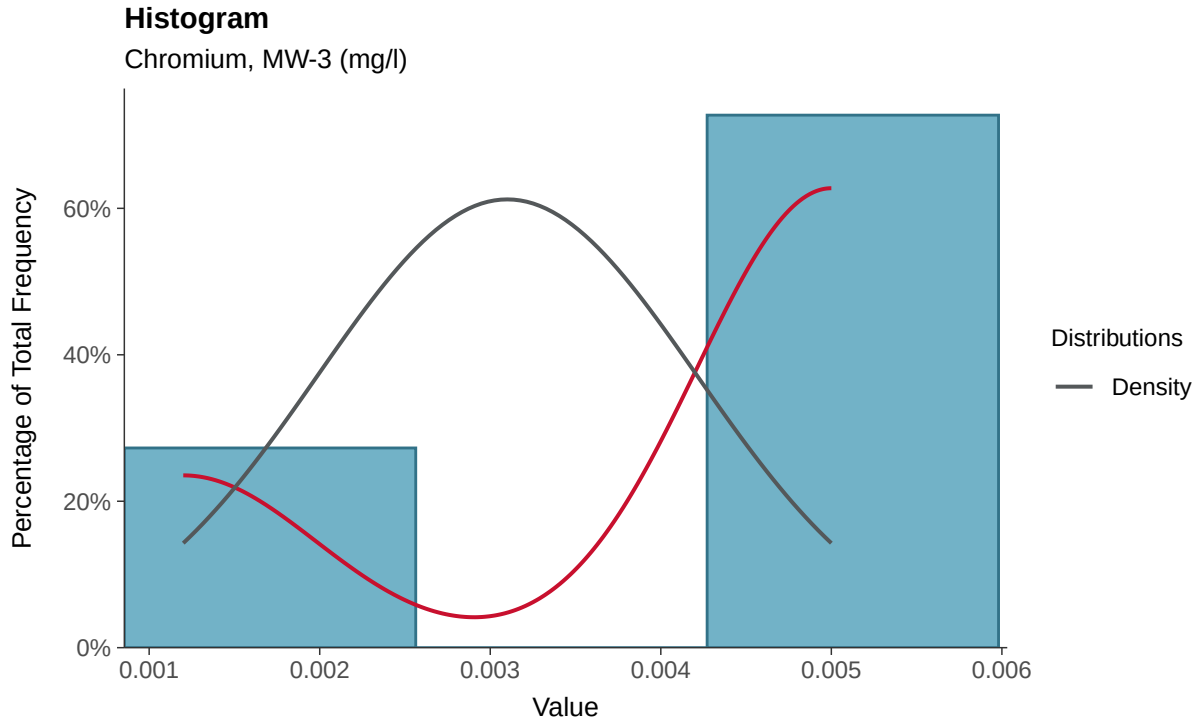
Cadmium, MW-3 (mg/l)



Appendix IV: Chromium, MW-3

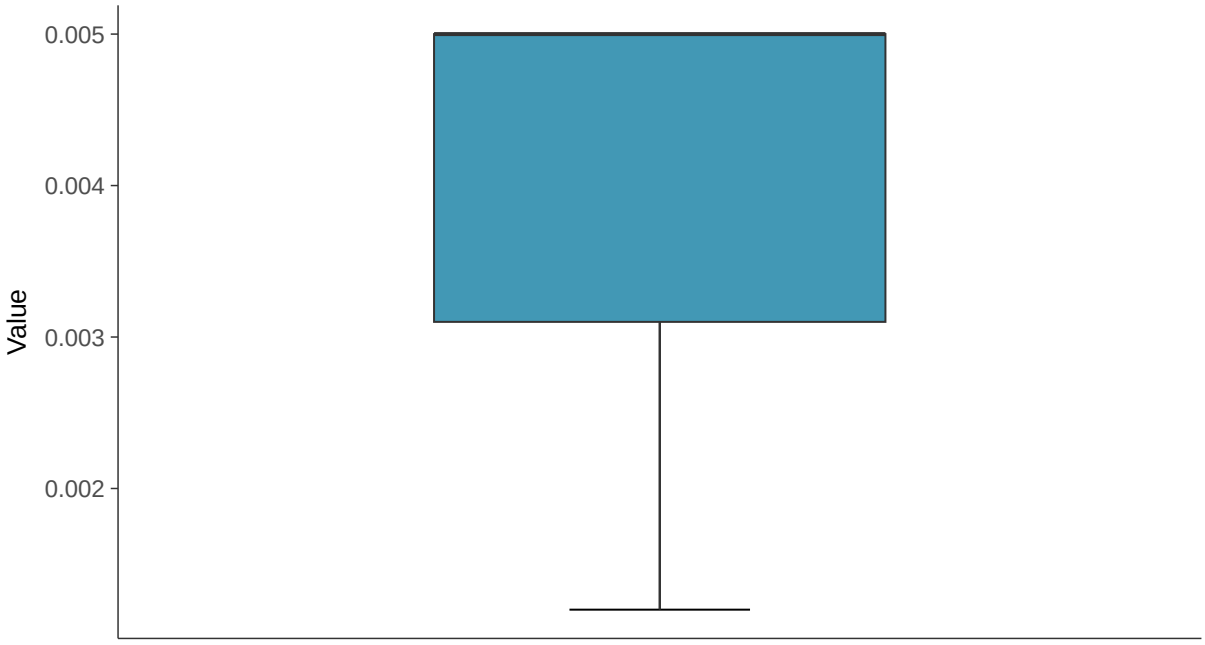
ID: 12_3_109





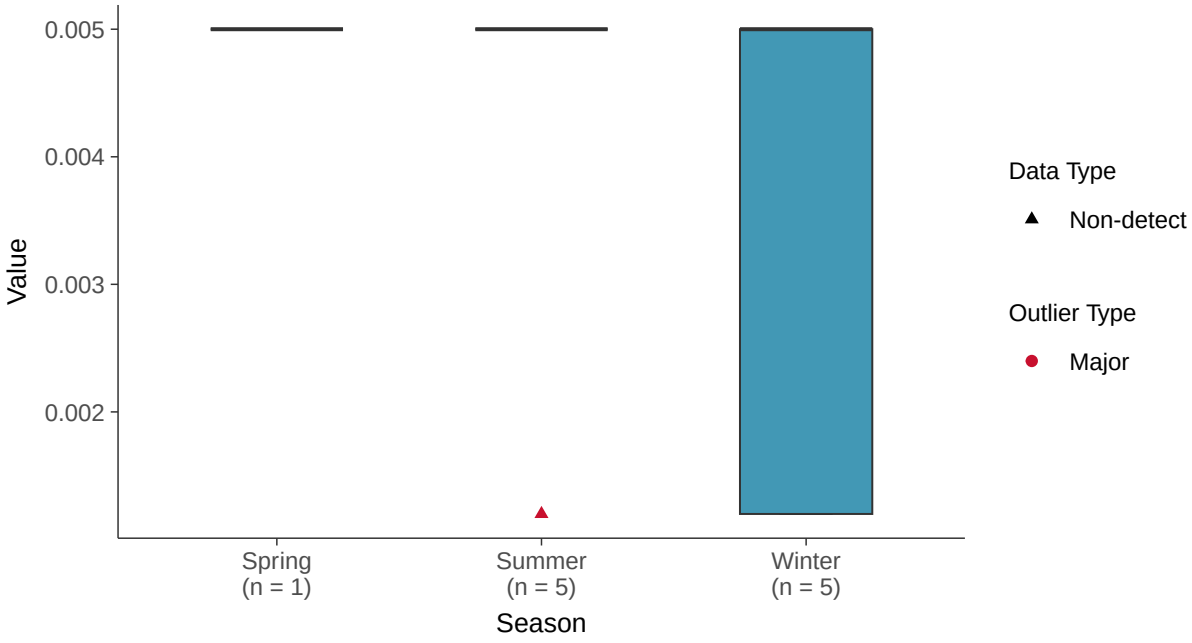
Boxplot

Chromium, MW-3 (mg/l)



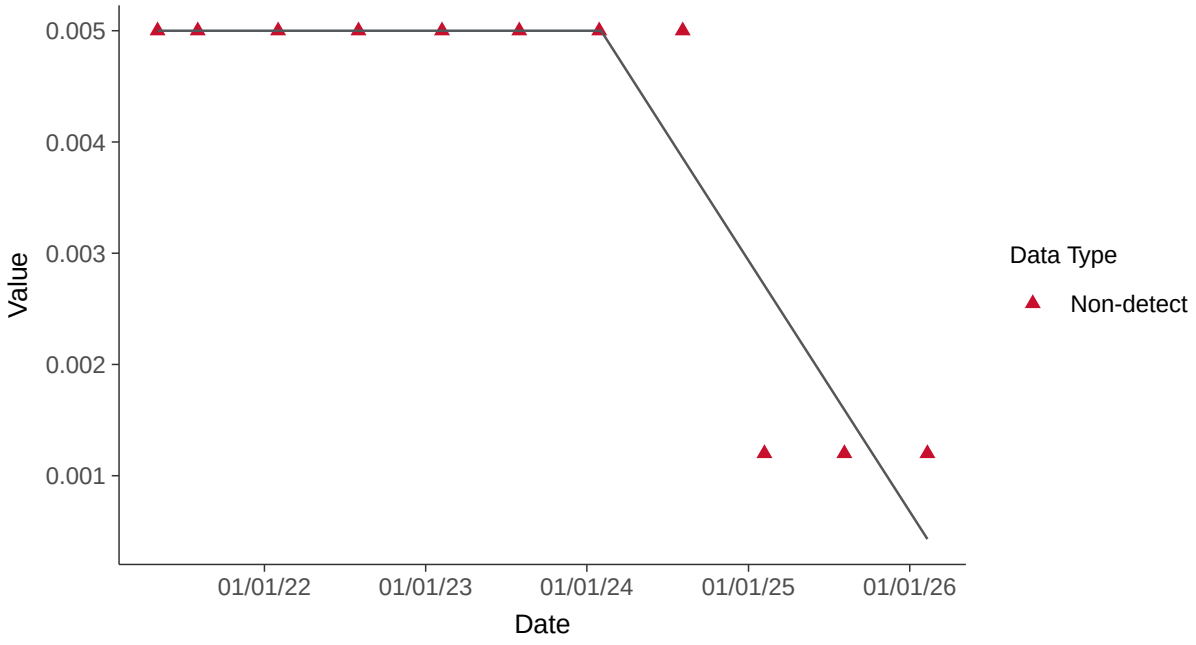
Boxplot by Season

Chromium, MW-3 (mg/l)



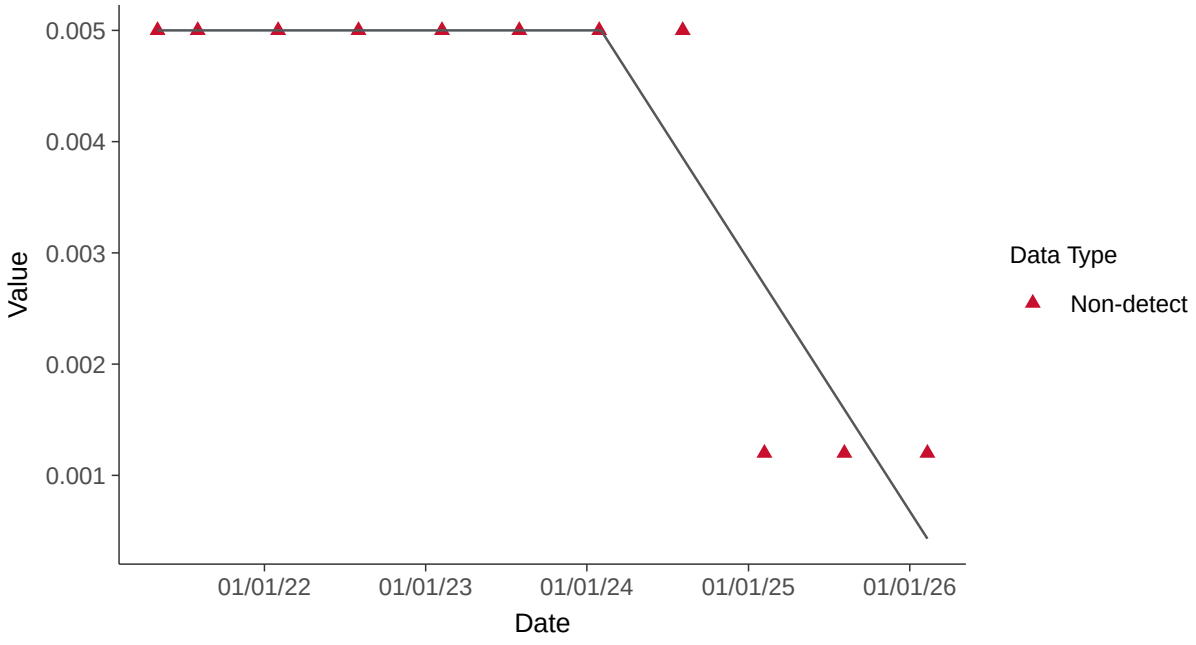
Trend Regression: Piecewise Linear-Linear

Chromium, MW-3 (mg/l)



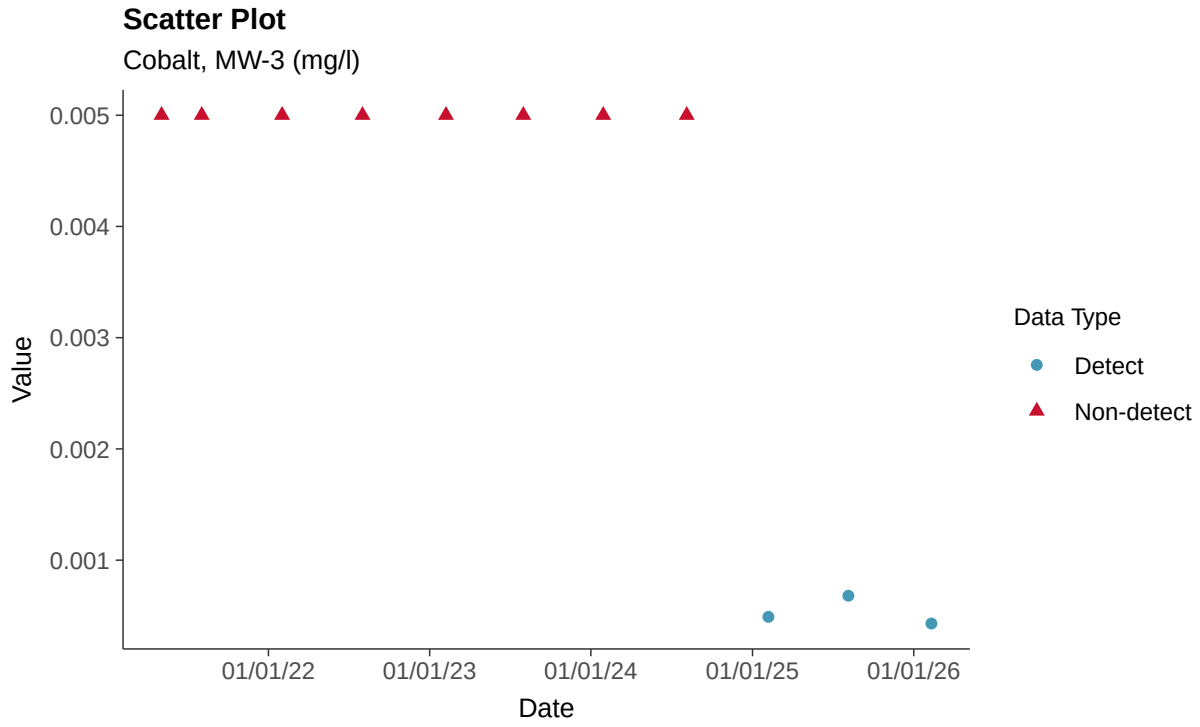
Trend Regression: Piecewise Linear-Linear-Linear

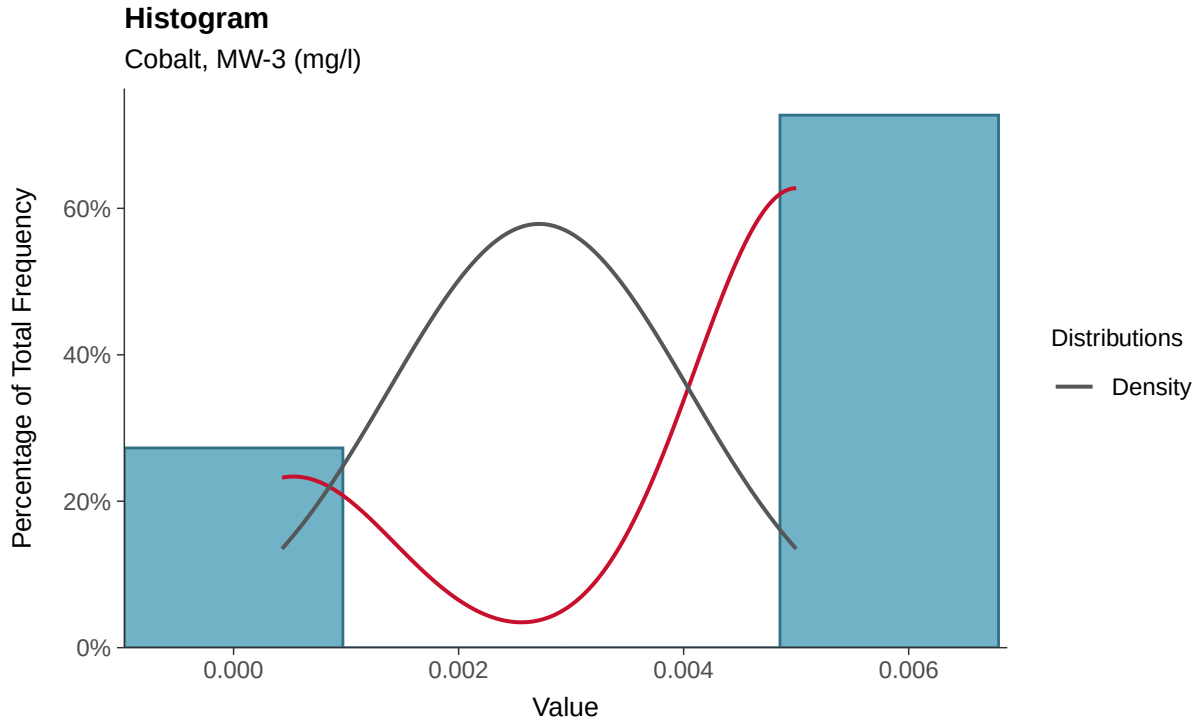
Chromium, MW-3 (mg/l)



Appendix IV: Cobalt, MW-3

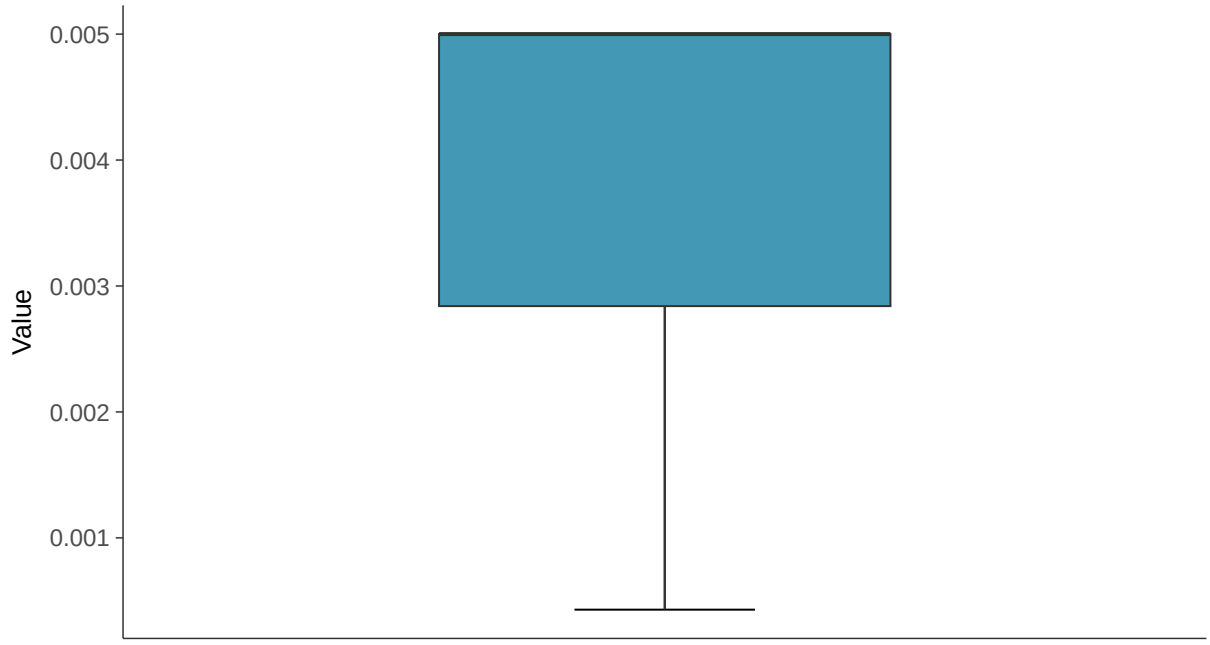
ID: 12_3_110





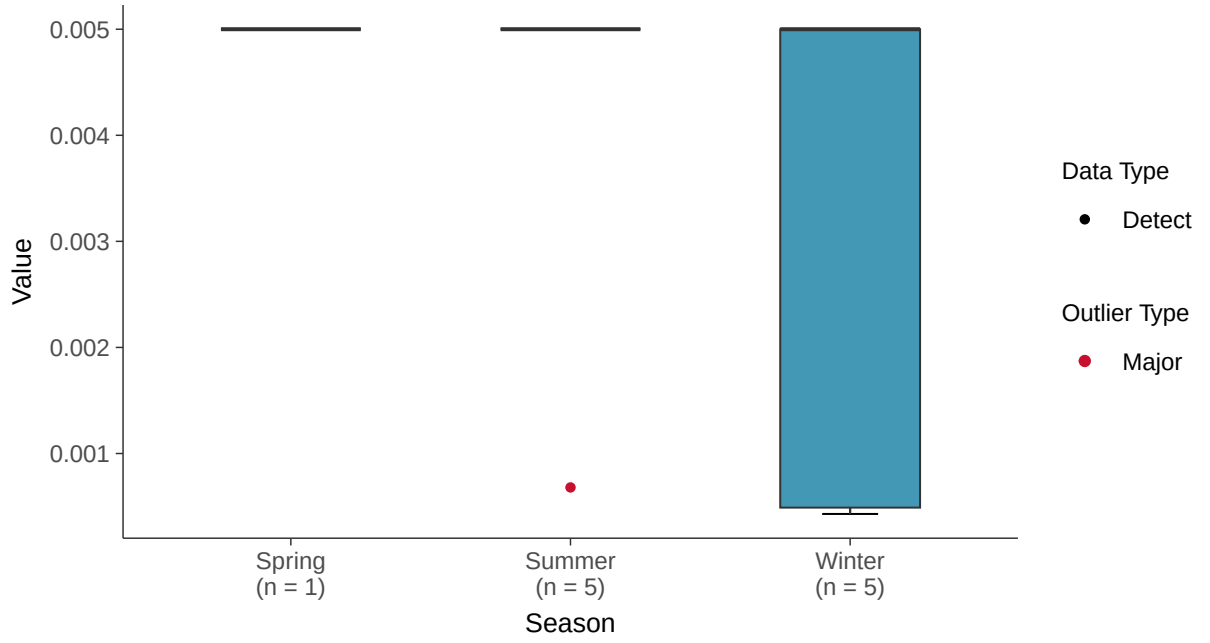
Boxplot

Cobalt, MW-3 (mg/l)



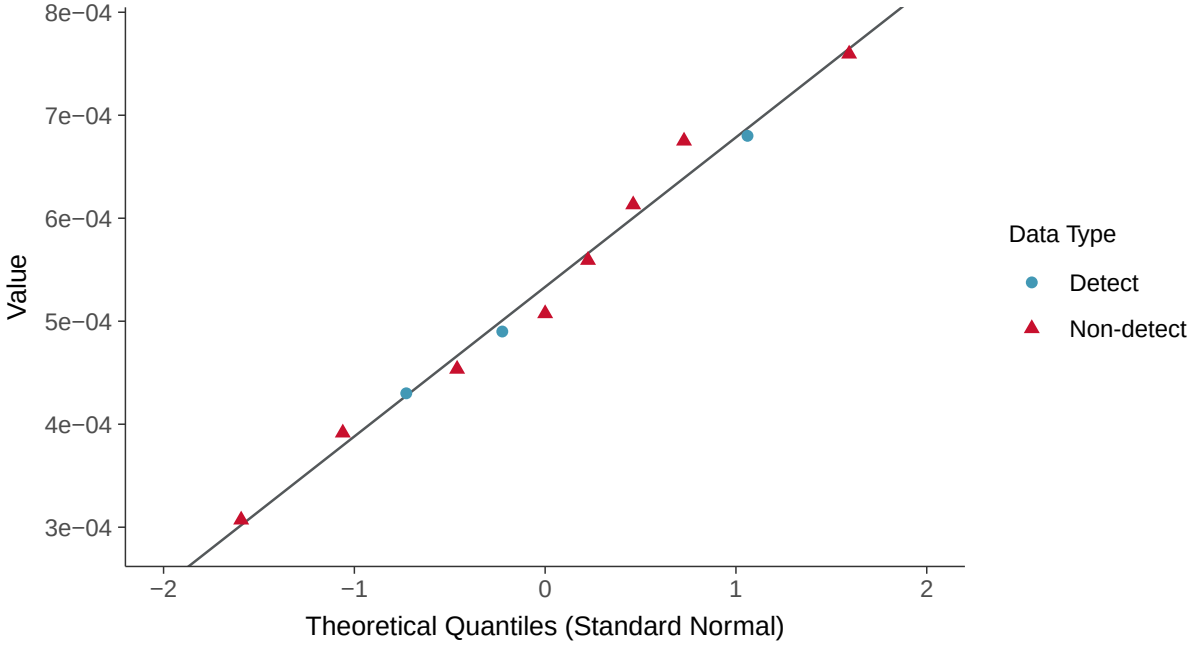
Boxplot by Season

Cobalt, MW-3 (mg/l)



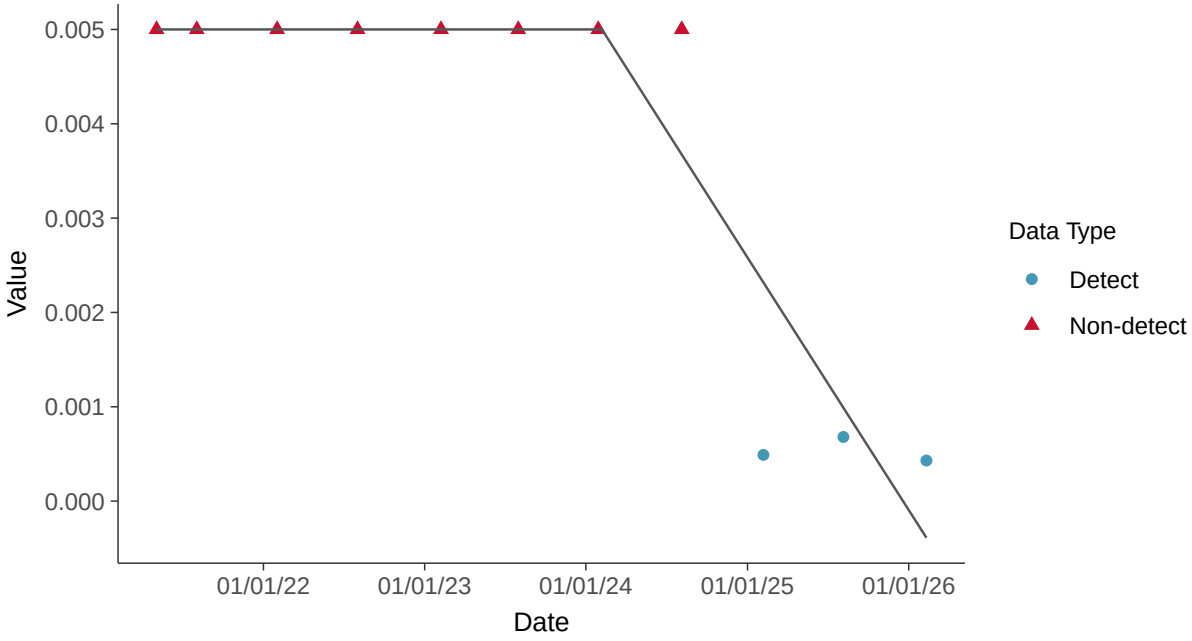
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-3 (mg/l)



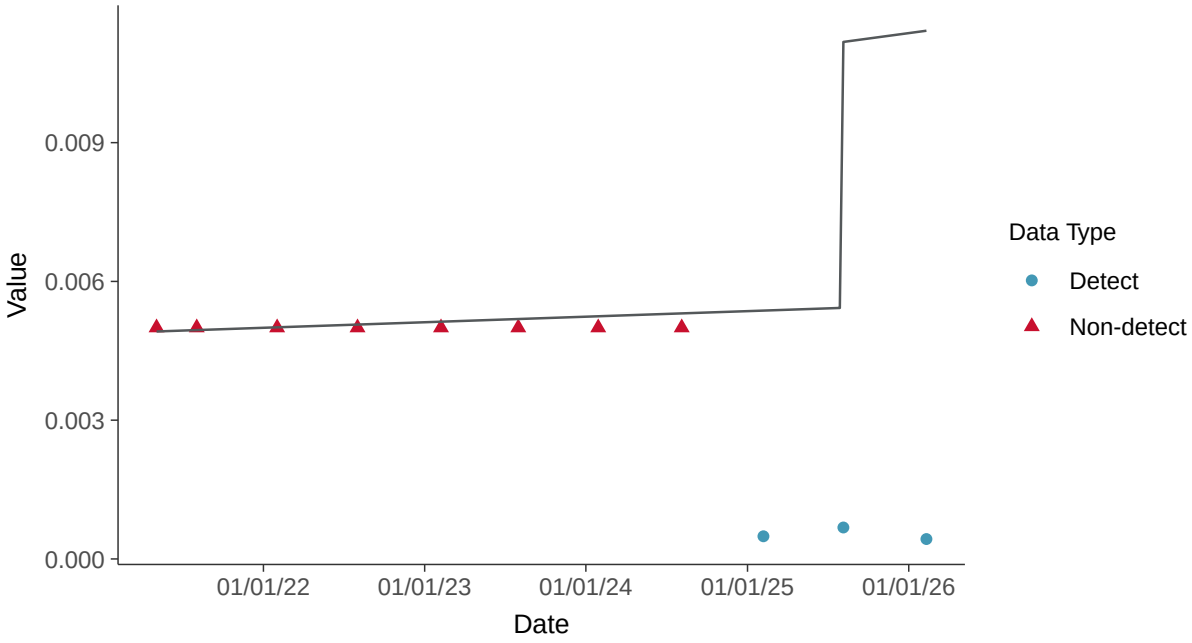
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-3 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Cobalt, MW-3 (mg/l)

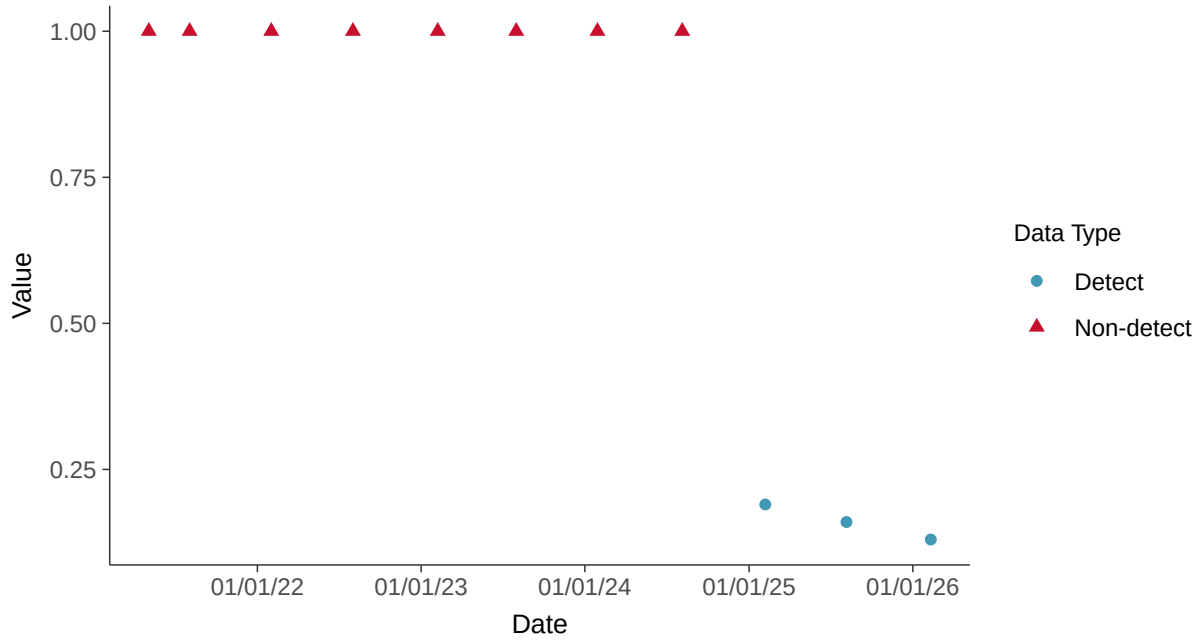


Appendix IV: Fluoride (App IV), MW-3

ID: 12_3_113

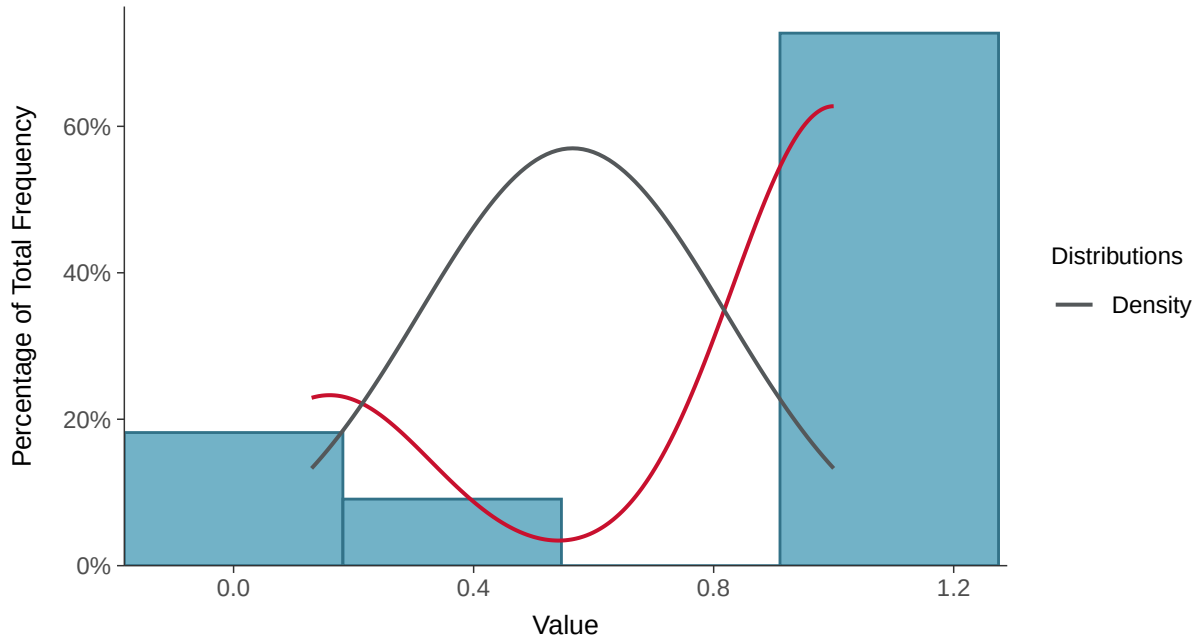
Scatter Plot

Fluoride (App IV), MW-3 (mg/l)



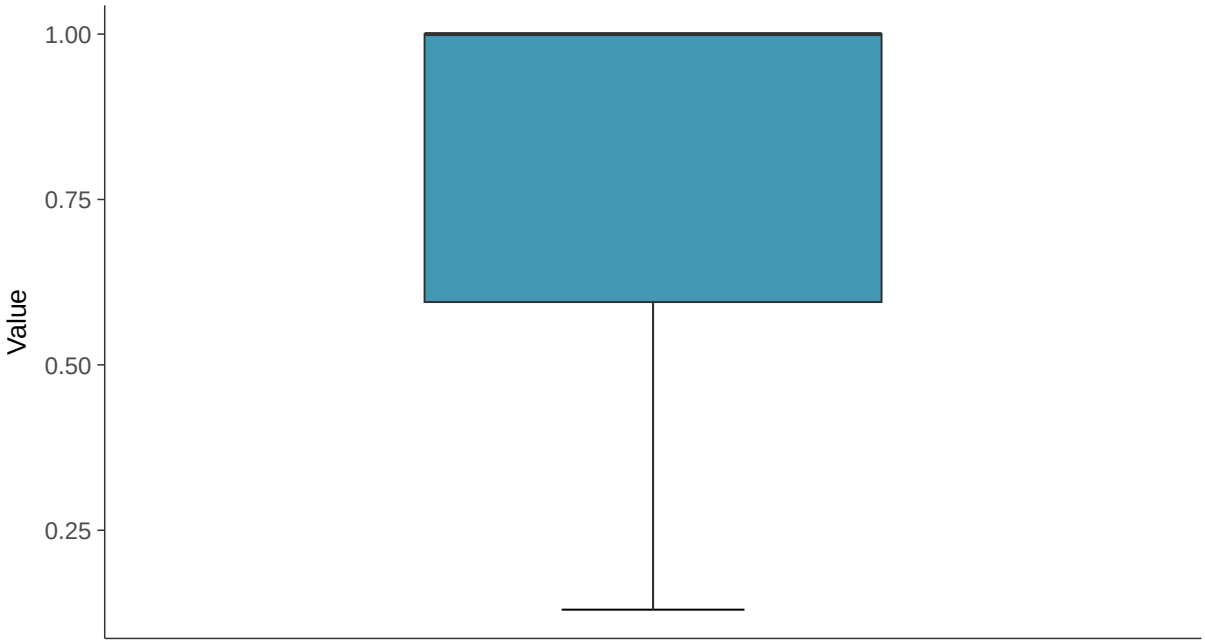
Histogram

Fluoride (App IV), MW-3 (mg/l)



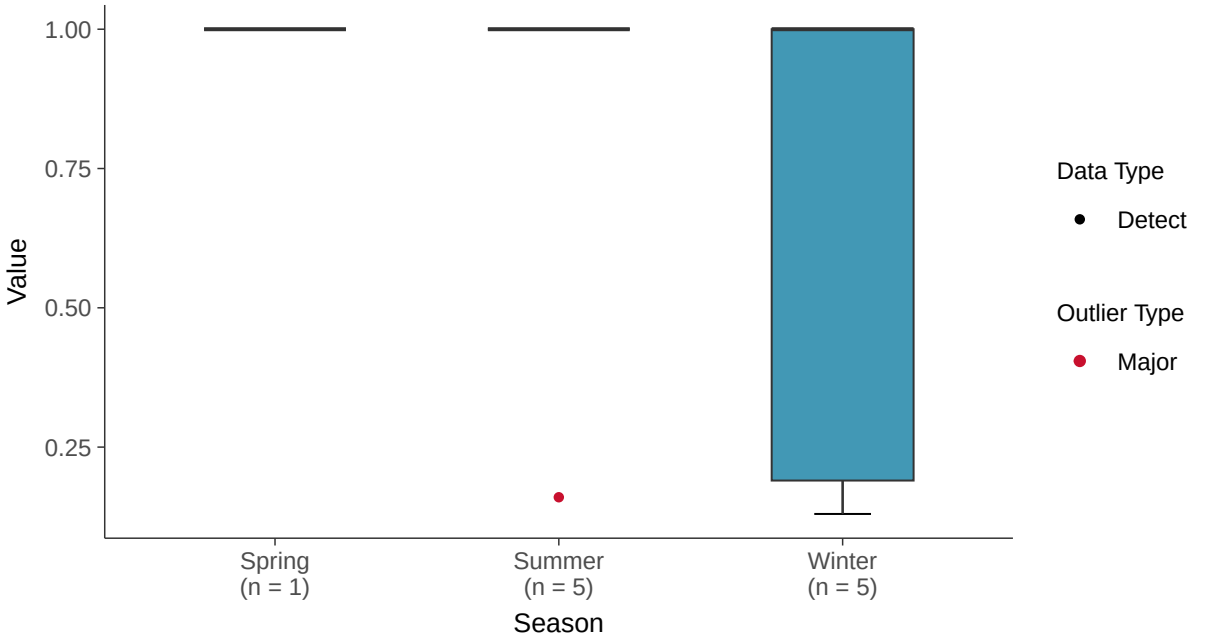
Boxplot

Fluoride (App IV), MW-3 (mg/l)



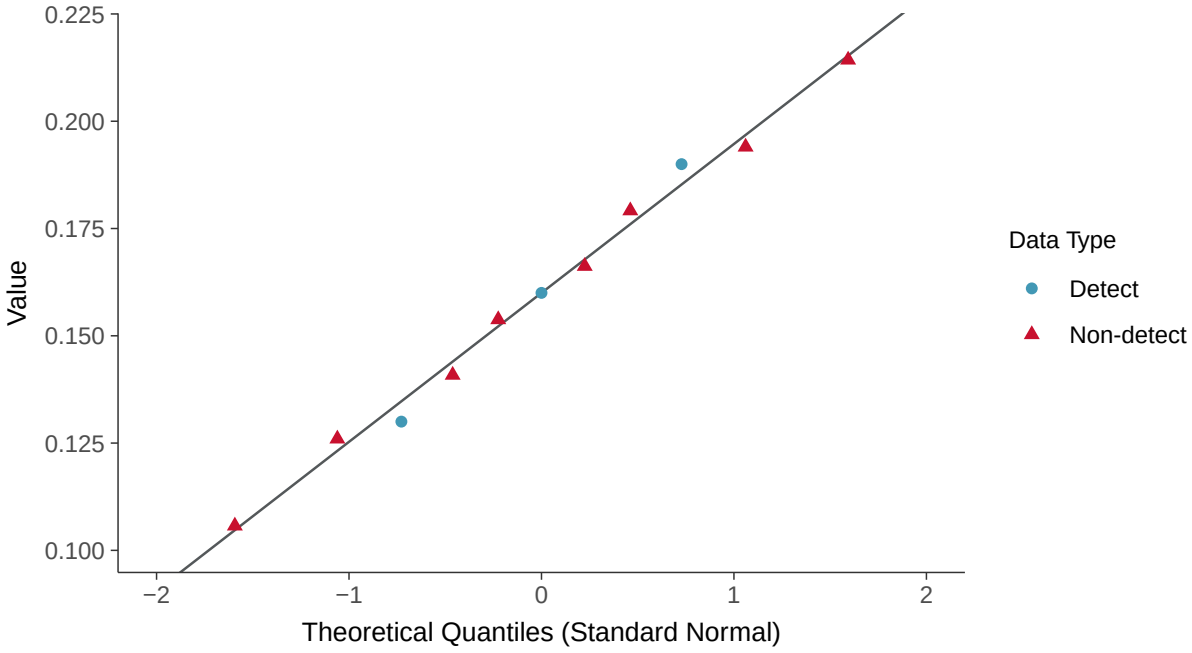
Boxplot by Season

Fluoride (App IV), MW-3 (mg/l)



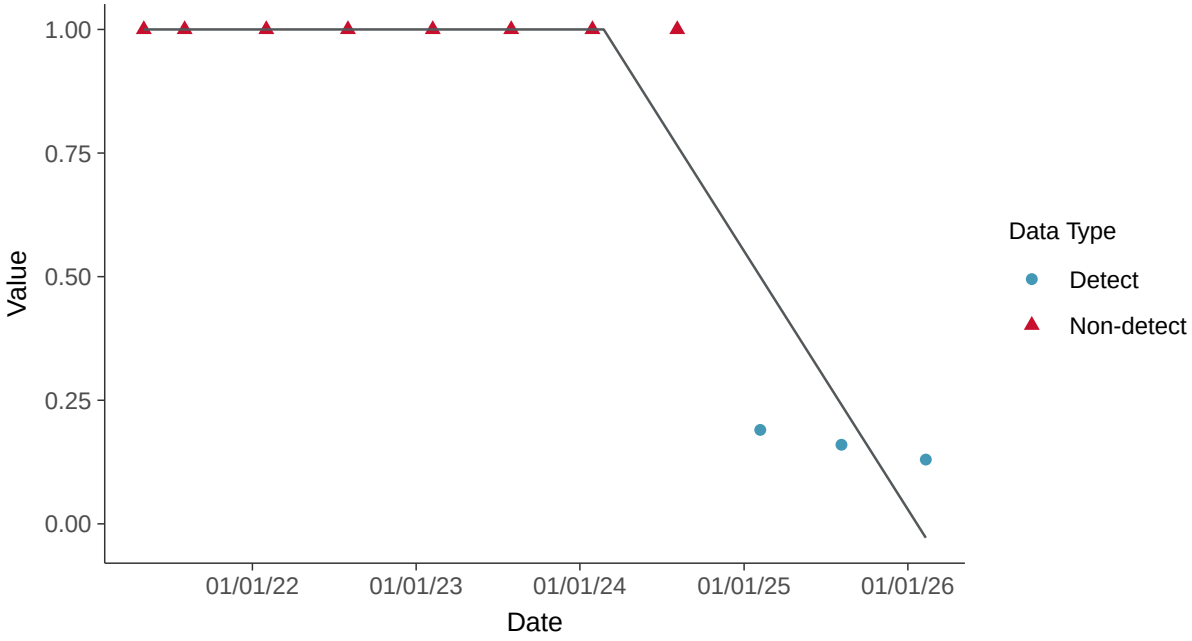
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-3 (mg/l)



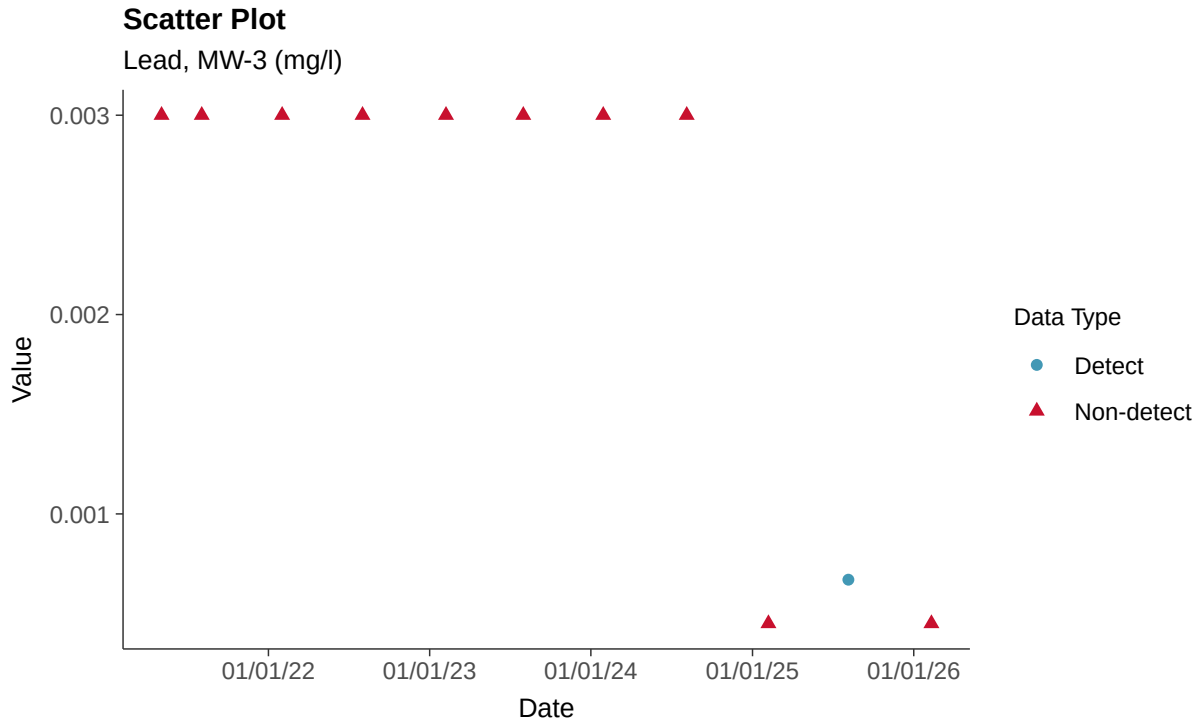
Trend Regression: Piecewise Linear-Linear

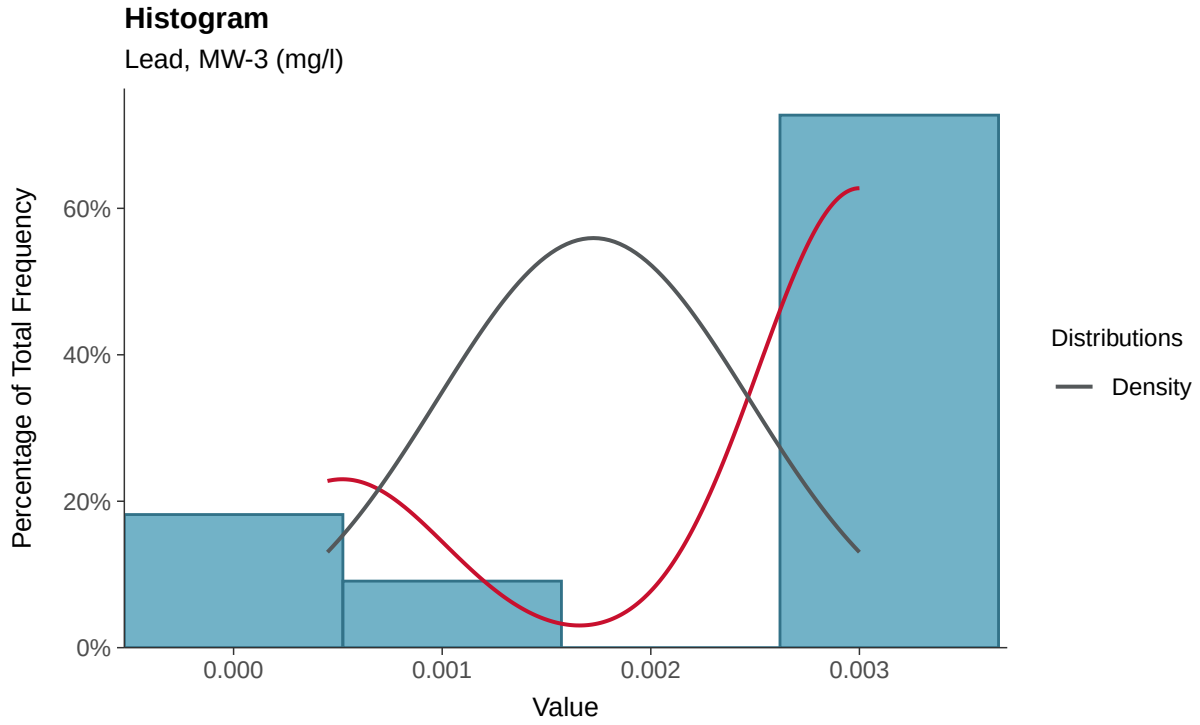
Fluoride (App IV), MW-3 (mg/l)



Appendix IV: Lead, MW-3

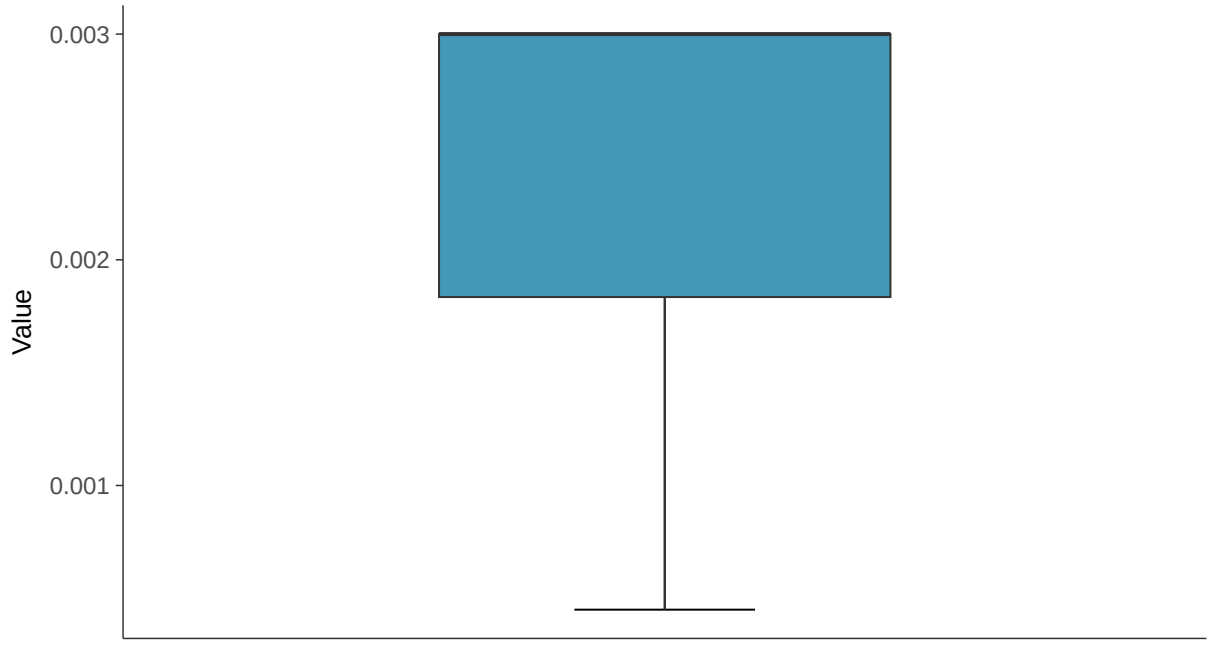
ID: 12_3_115





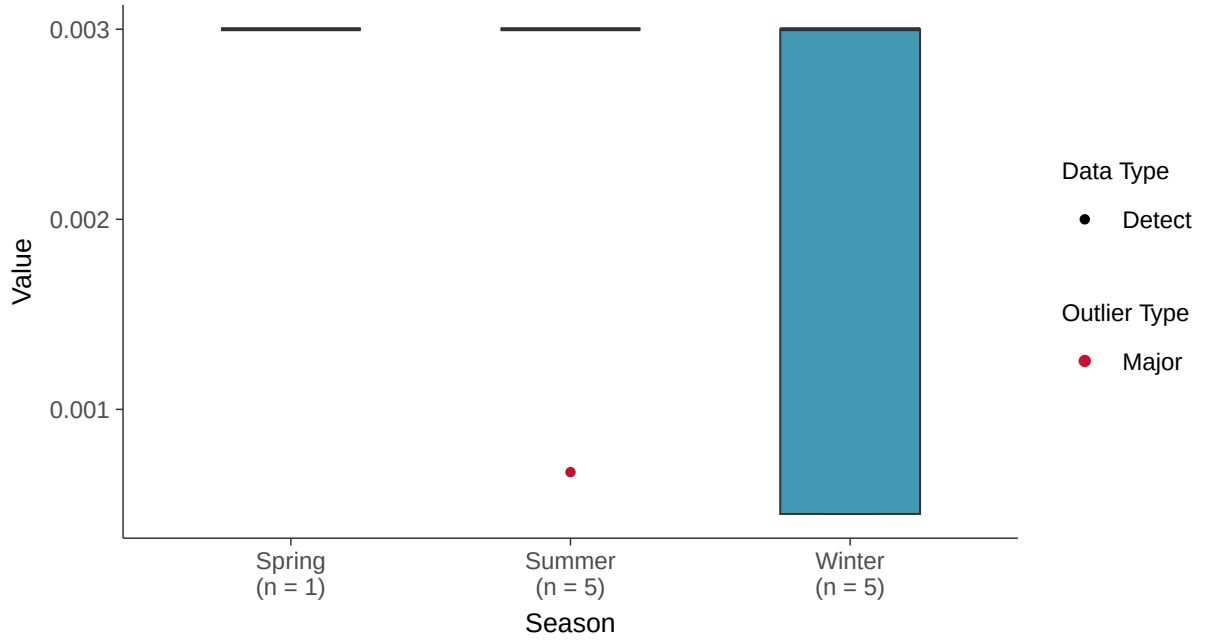
Boxplot

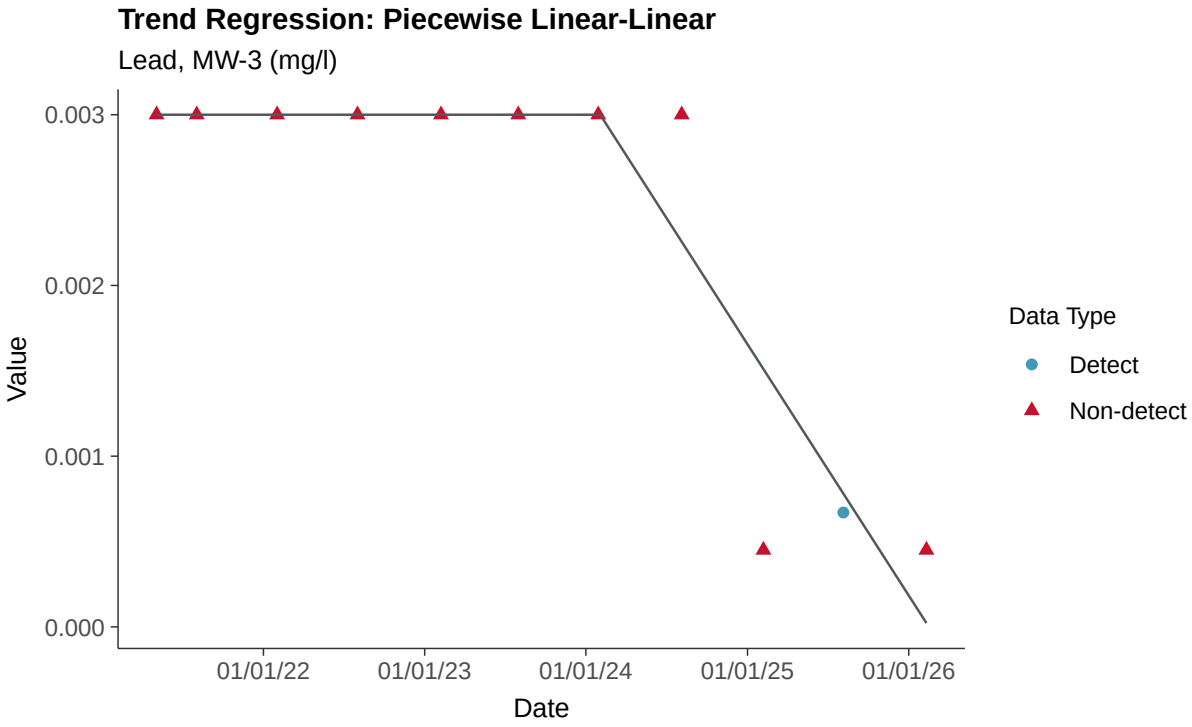
Lead, MW-3 (mg/l)



Boxplot by Season

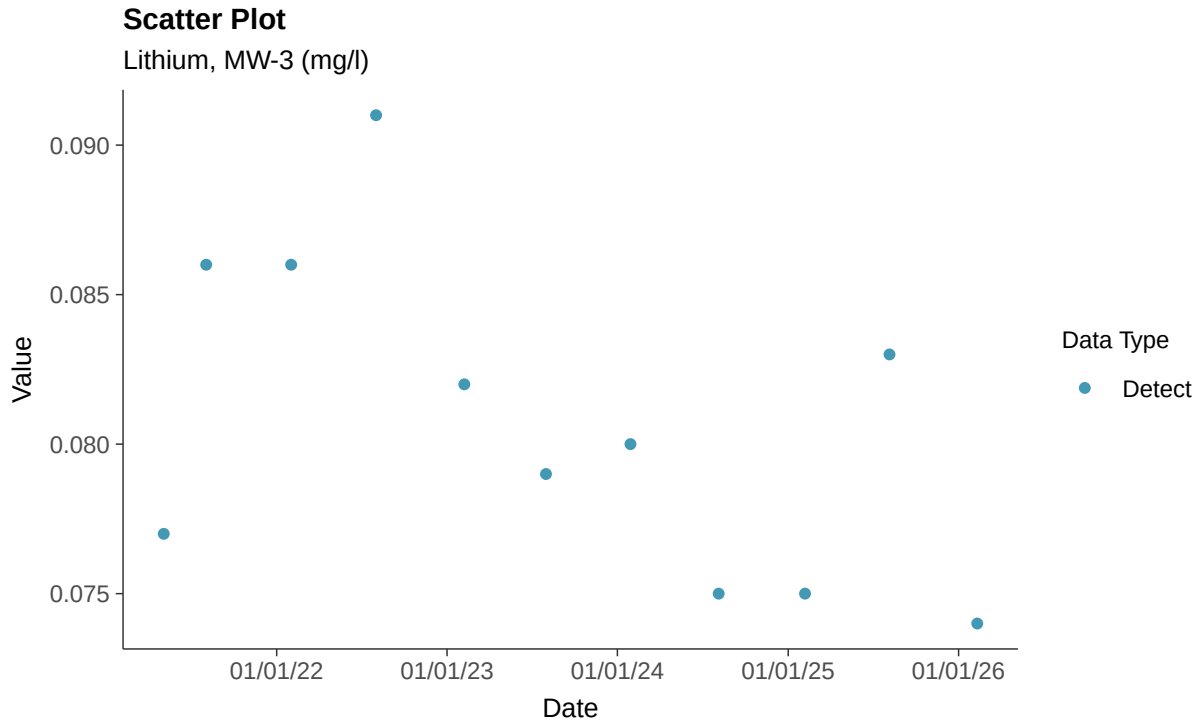
Lead, MW-3 (mg/l)

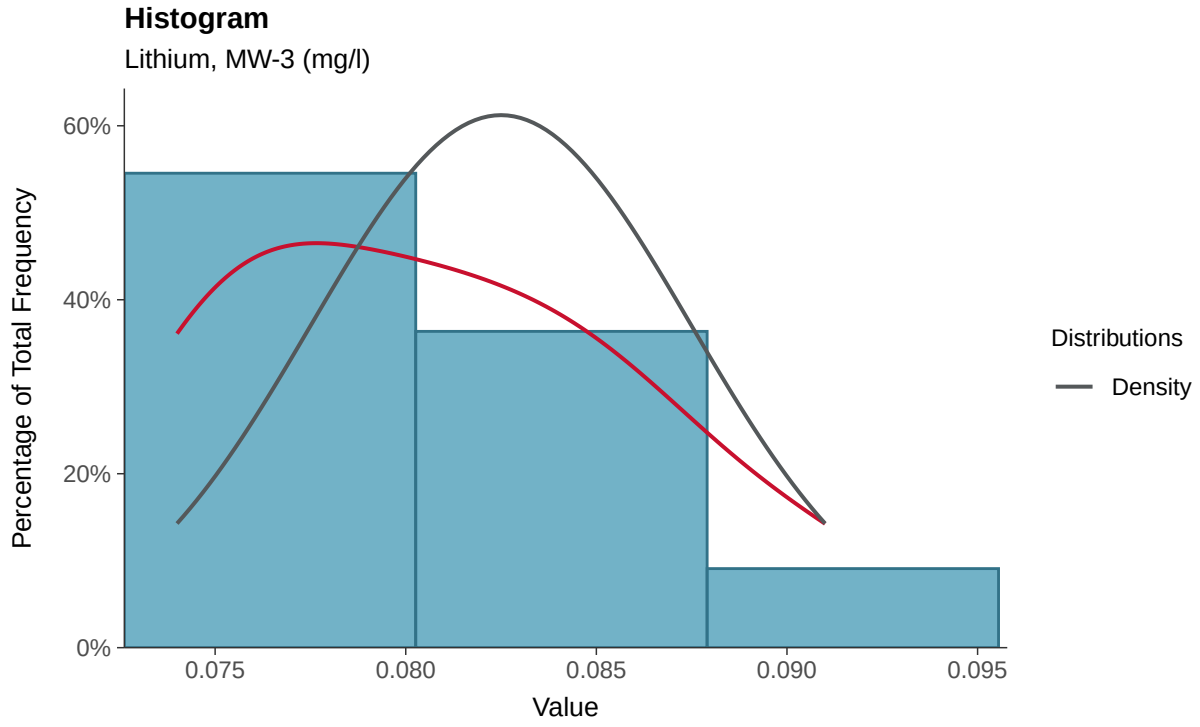



Trend Regression: Piecewise Linear-Linear
Lead, MW-3 (mg/l)
0.003
0.002
0.001
0.000
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Lithium, MW-3

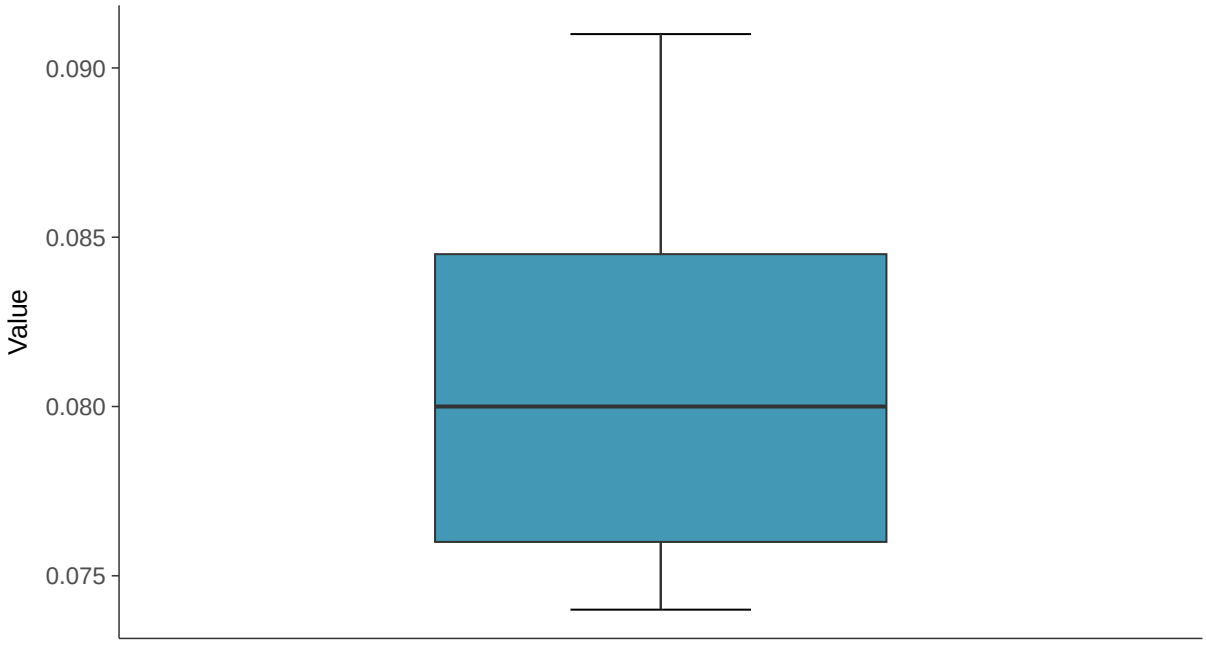
ID: 12_3_116





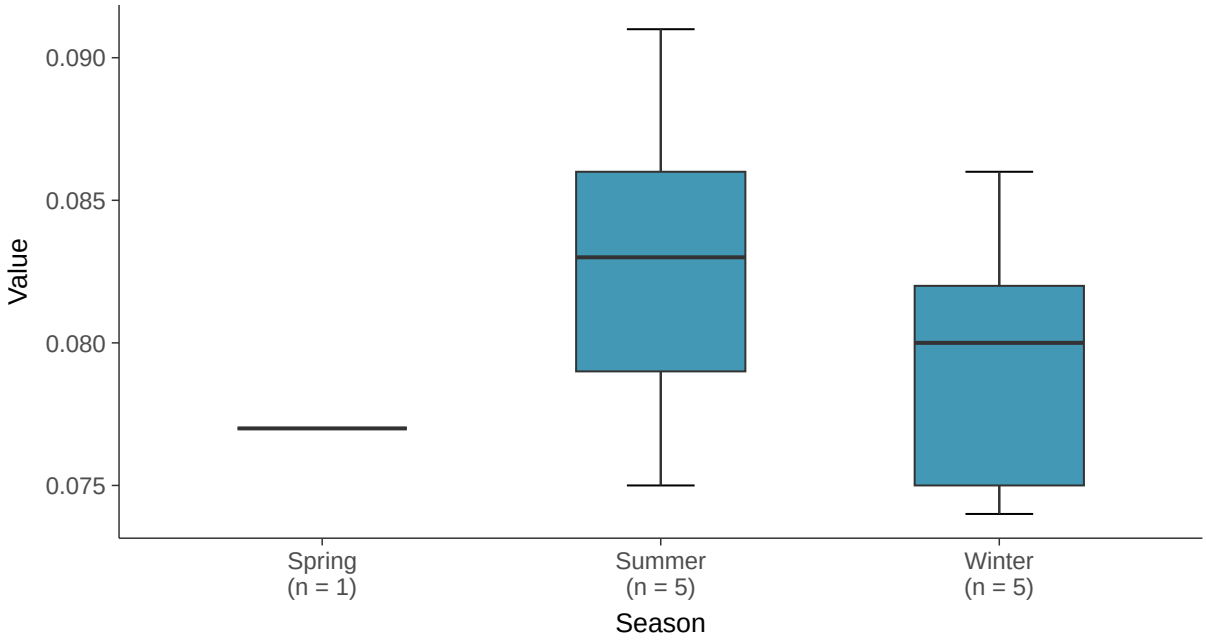
Boxplot

Lithium, MW-3 (mg/l)



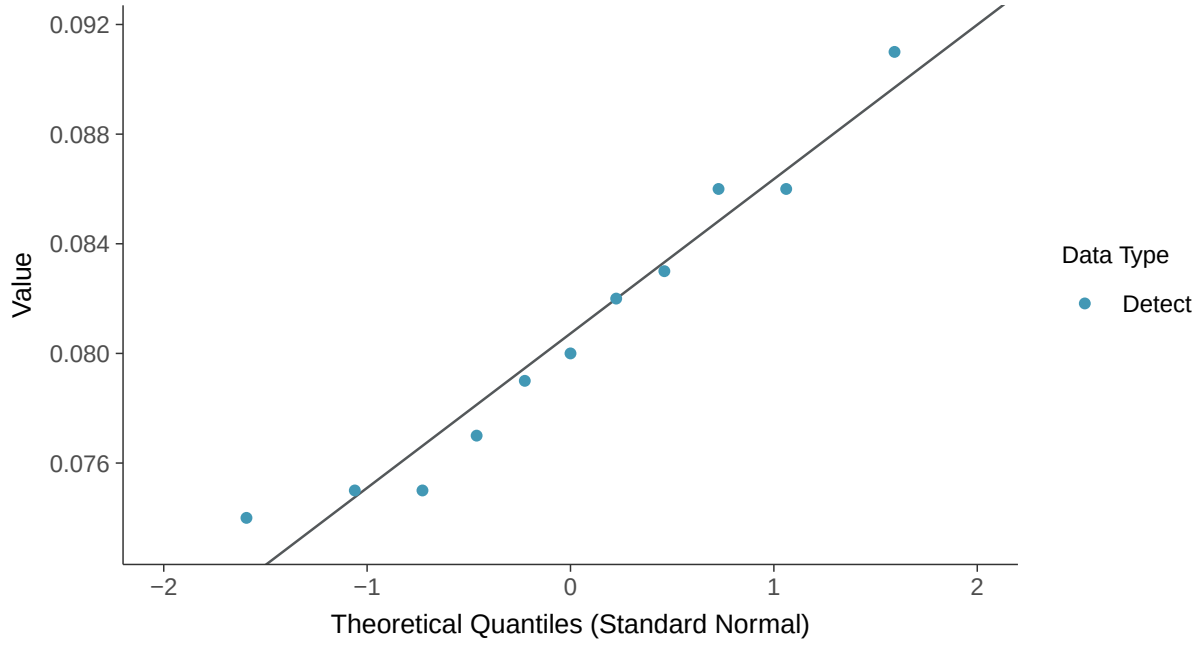
Boxplot by Season

Lithium, MW-3 (mg/l)



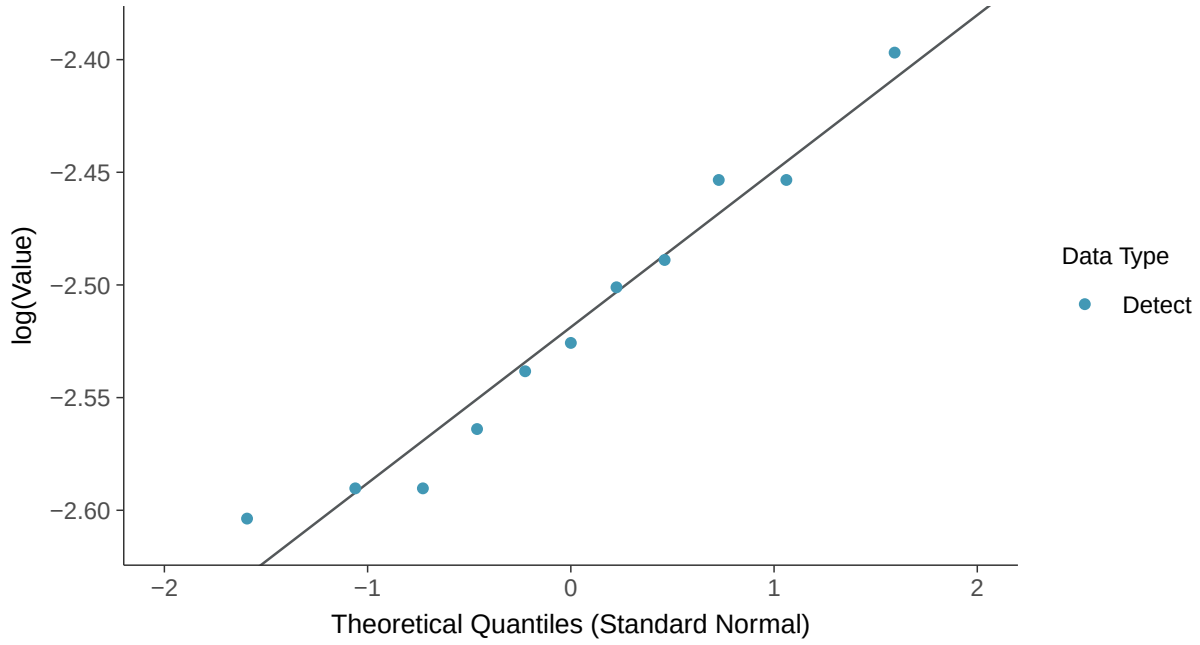
Normal Q-Q plot

Lithium, MW-3 (mg/l)



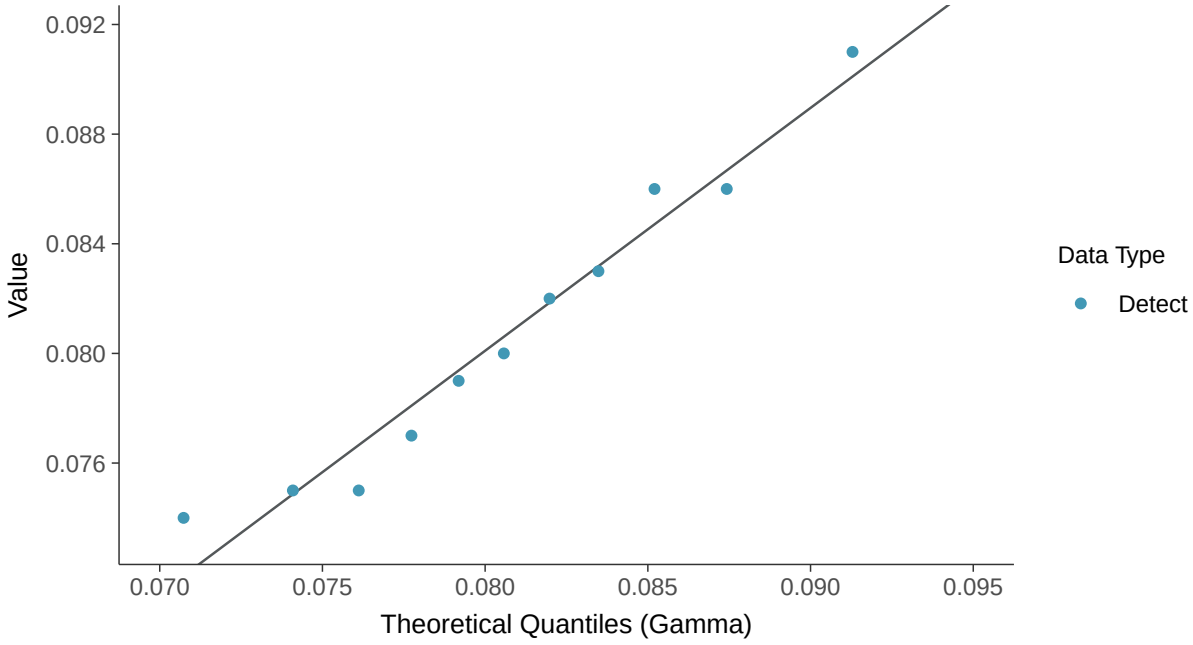
Lognormal Q-Q plot

Lithium, MW-3 (mg/l)



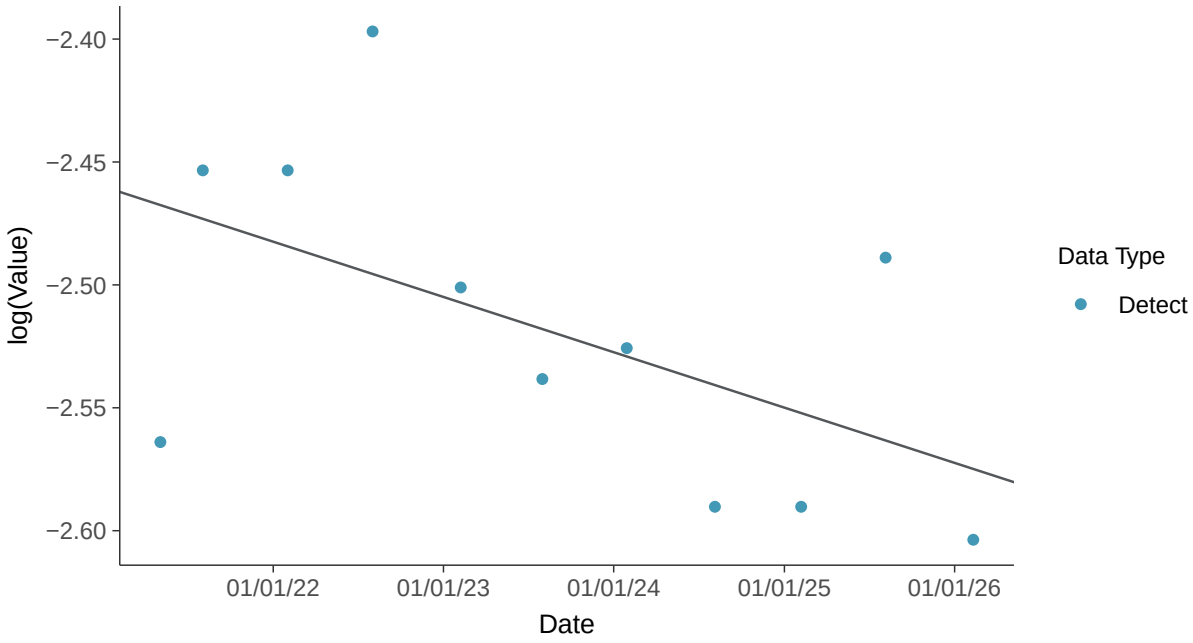
Gamma Q-Q plot

Lithium, MW-3 (mg/l)



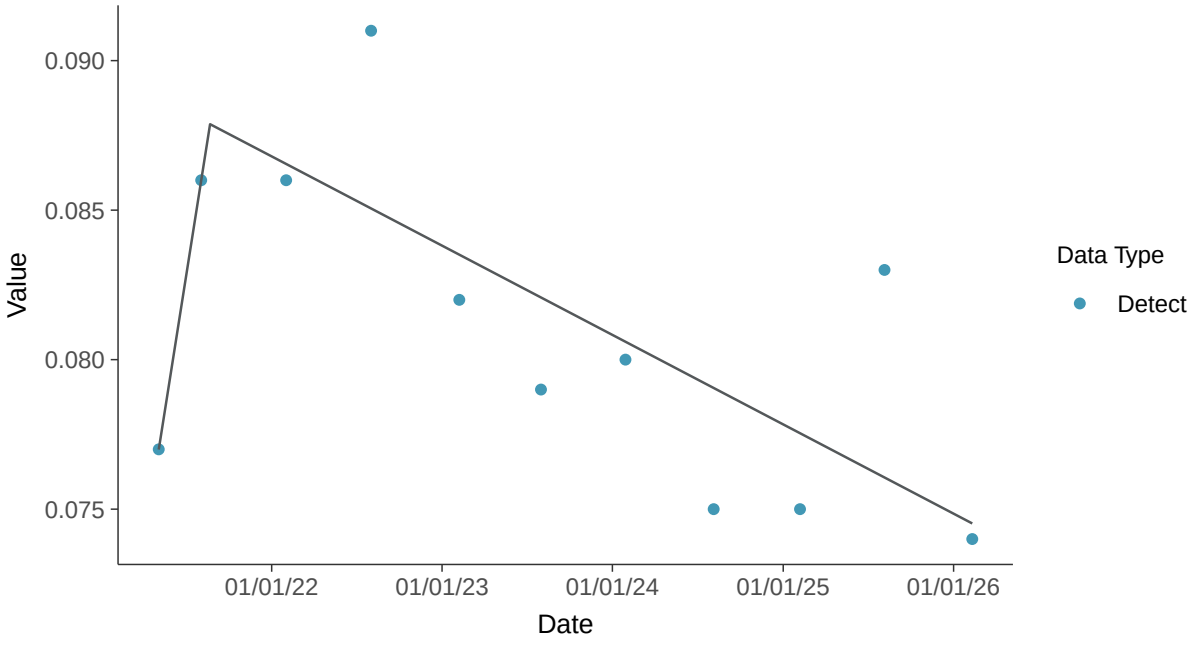
Trend Regression: Lognormal MLE

Lithium, MW-3 (mg/l)



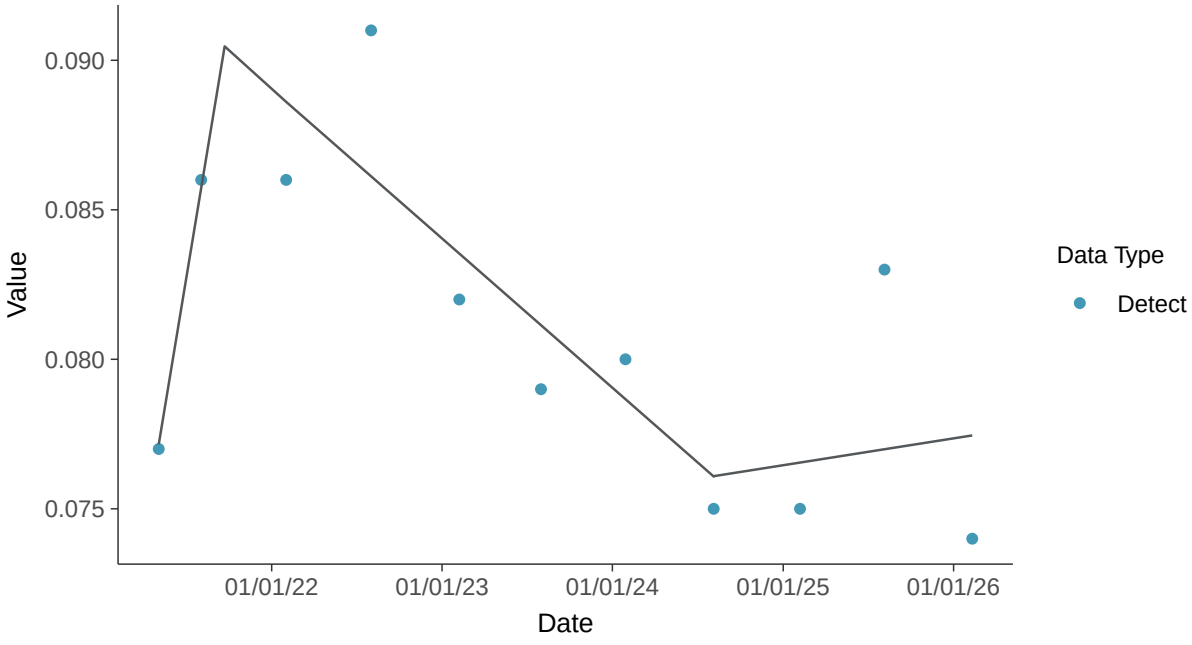
Trend Regression: Piecewise Linear-Linear

Lithium, MW-3 (mg/l)



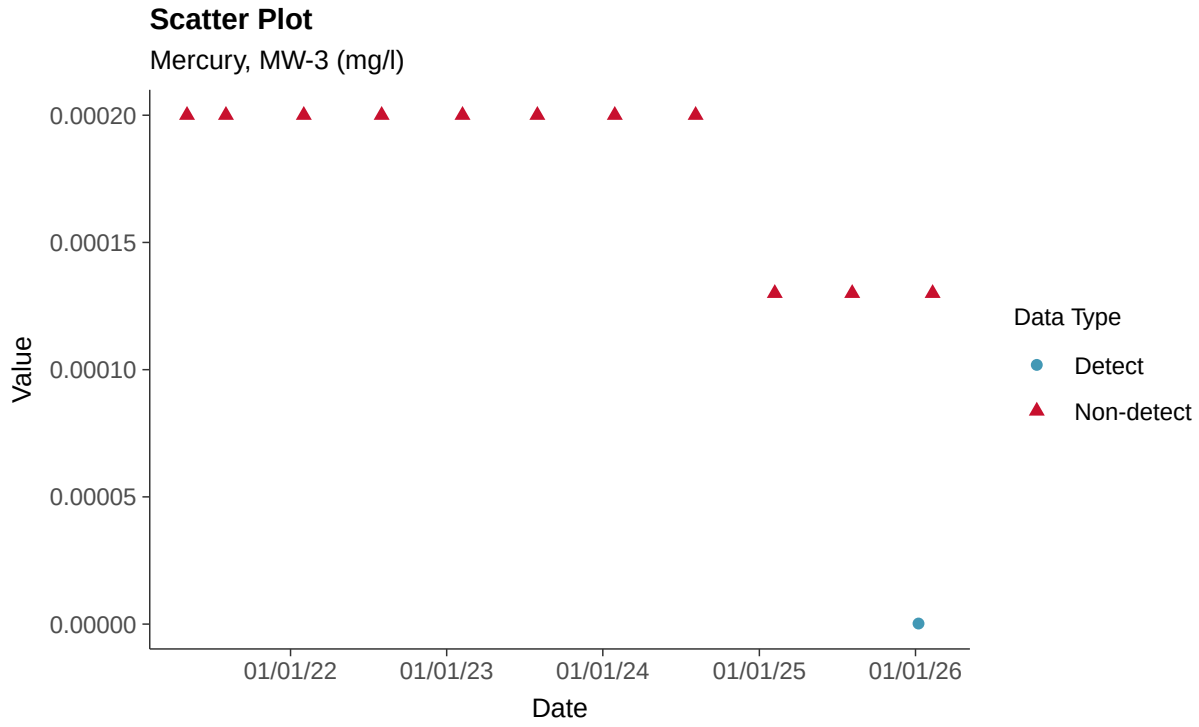
Trend Regression: Piecewise Linear-Linear-Linear

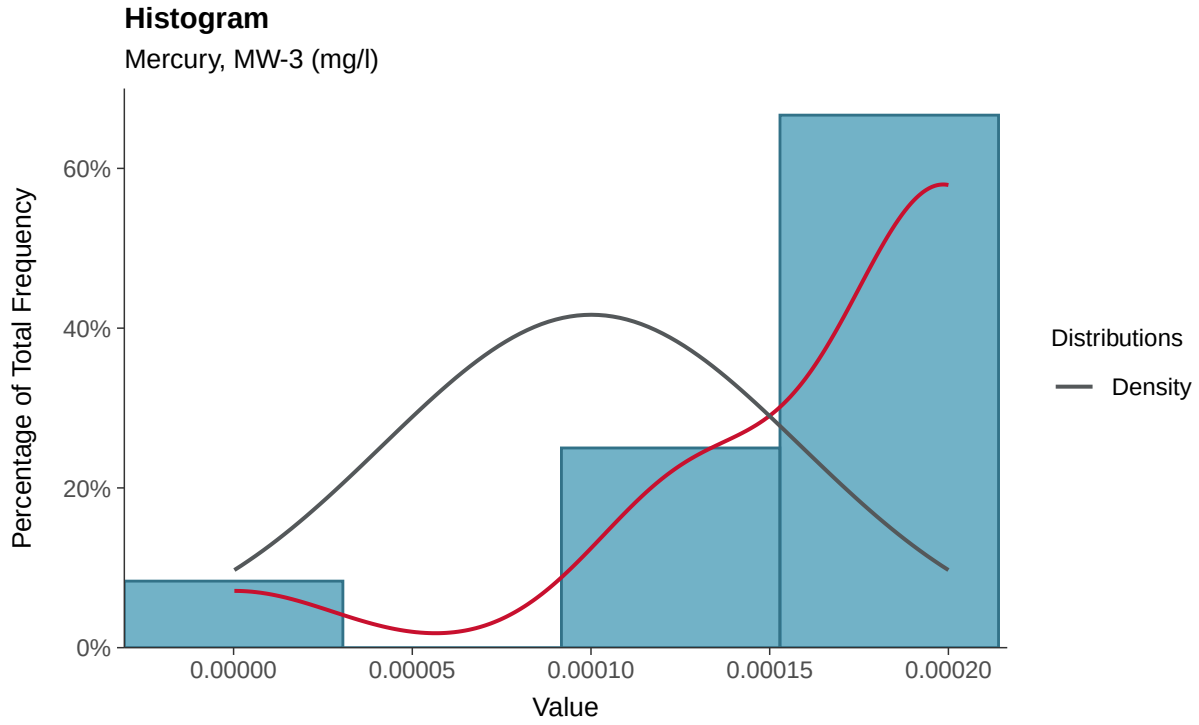
Lithium, MW-3 (mg/l)



Appendix IV: Mercury, MW-3

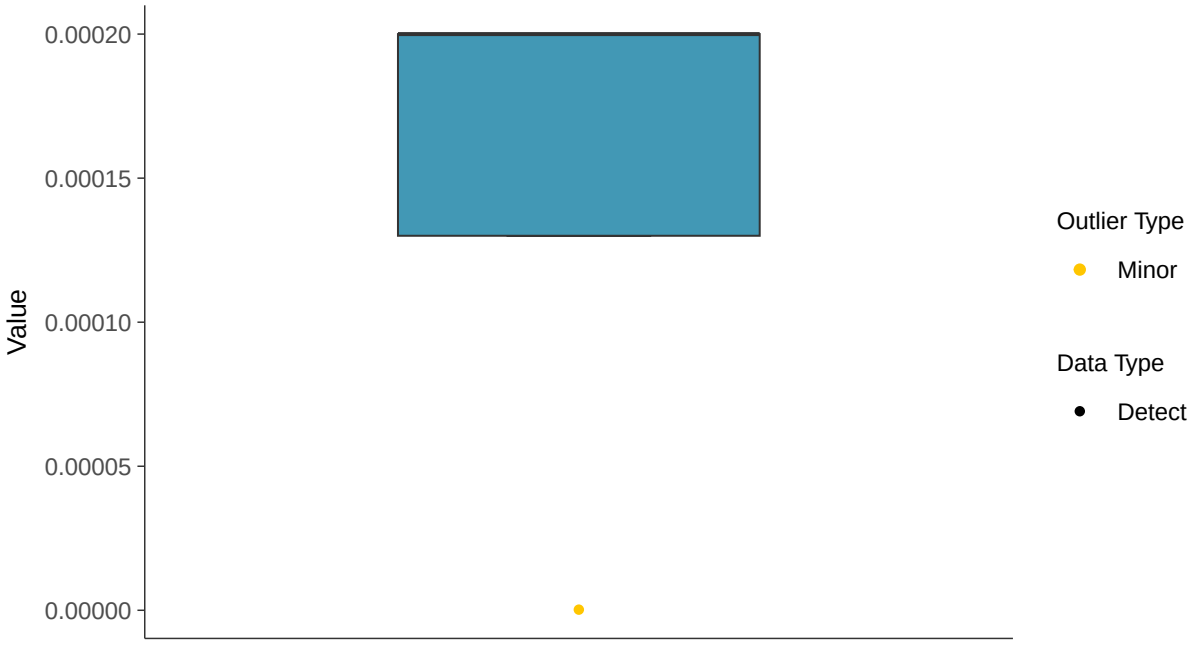
ID: 12_3_117





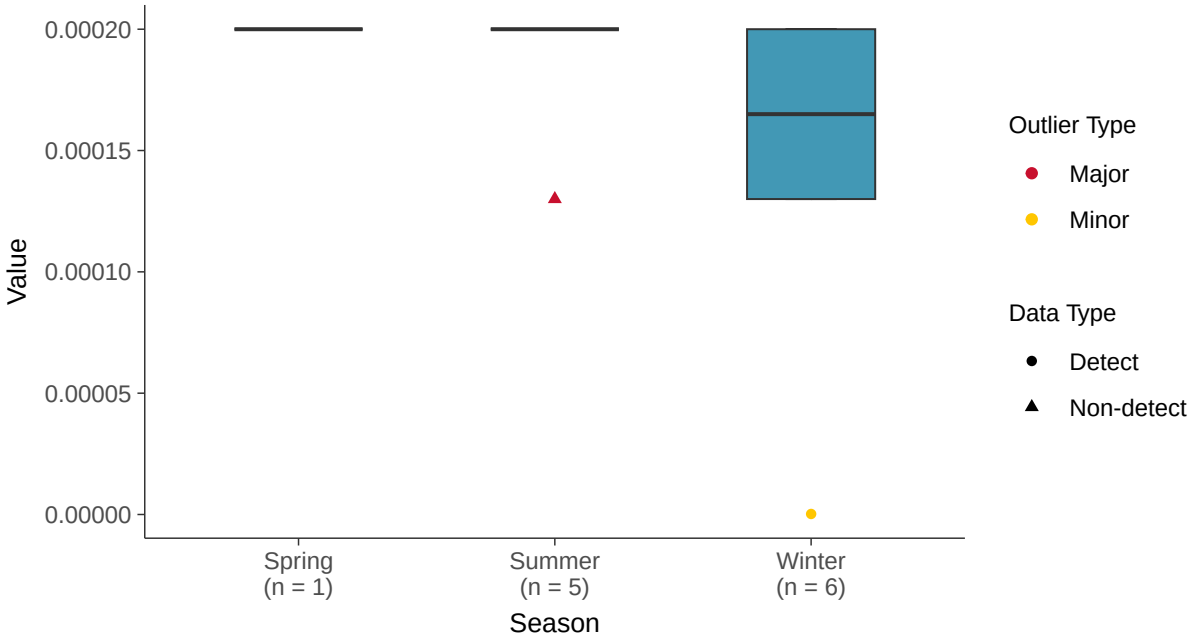
Boxplot

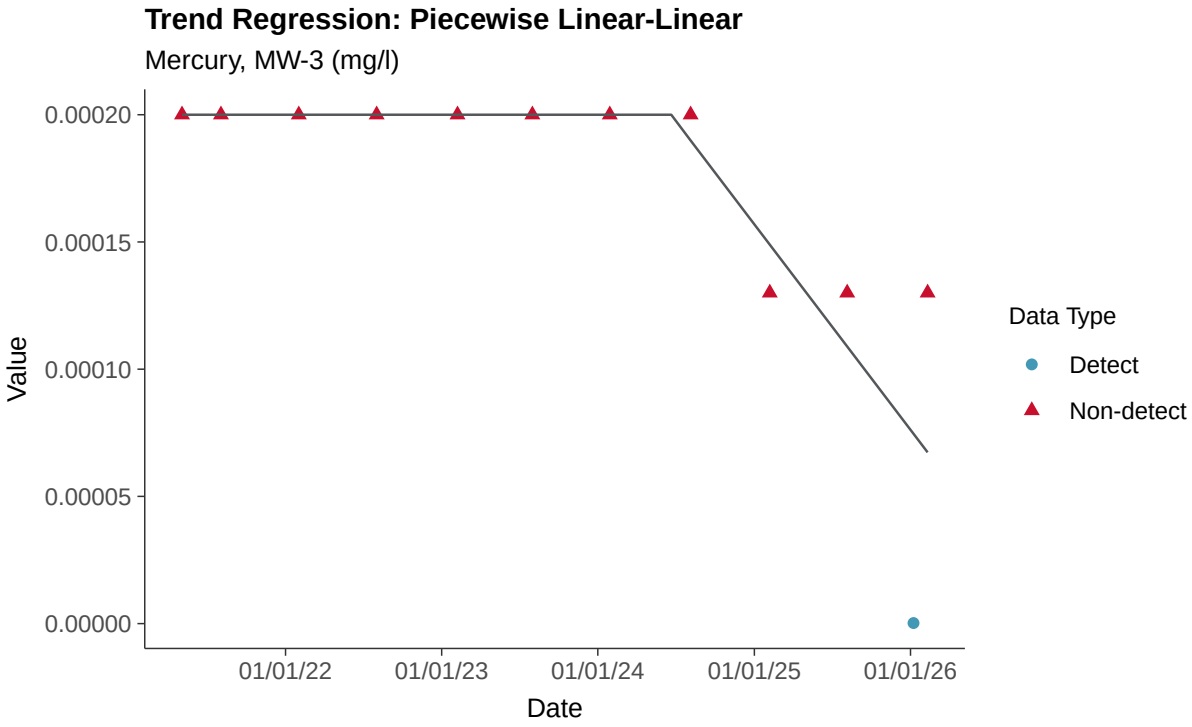
Mercury, MW-3 (mg/l)



Boxplot by Season

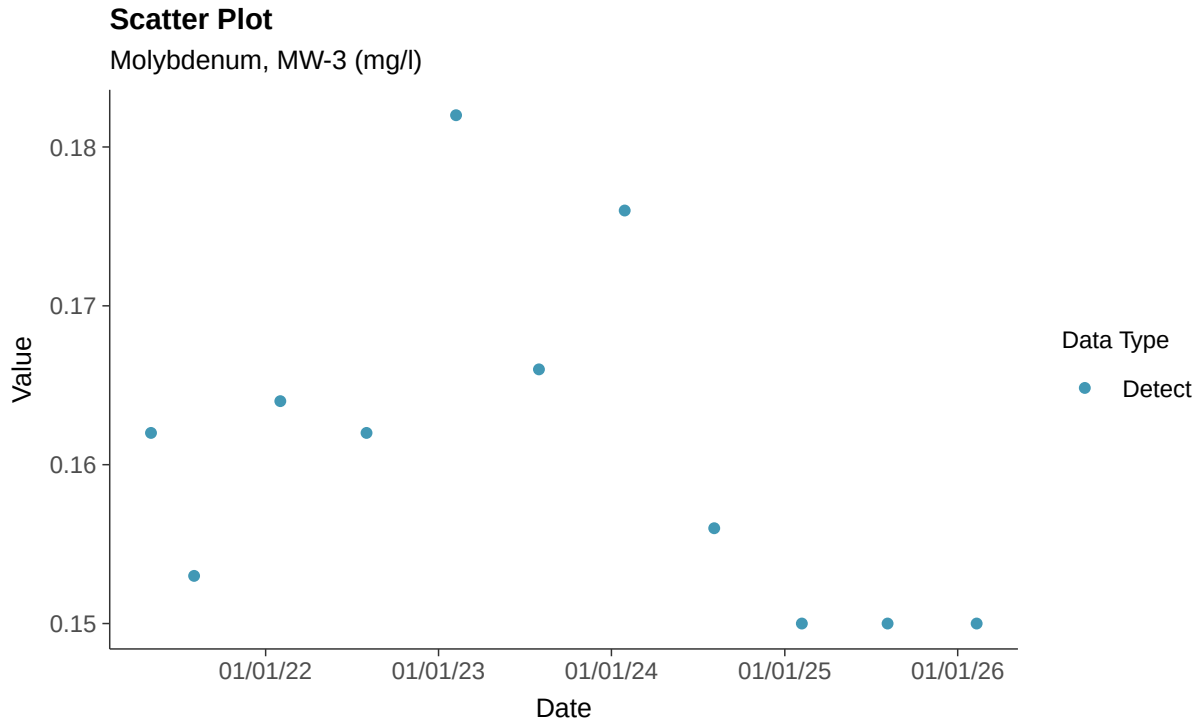
Mercury, MW-3 (mg/l)

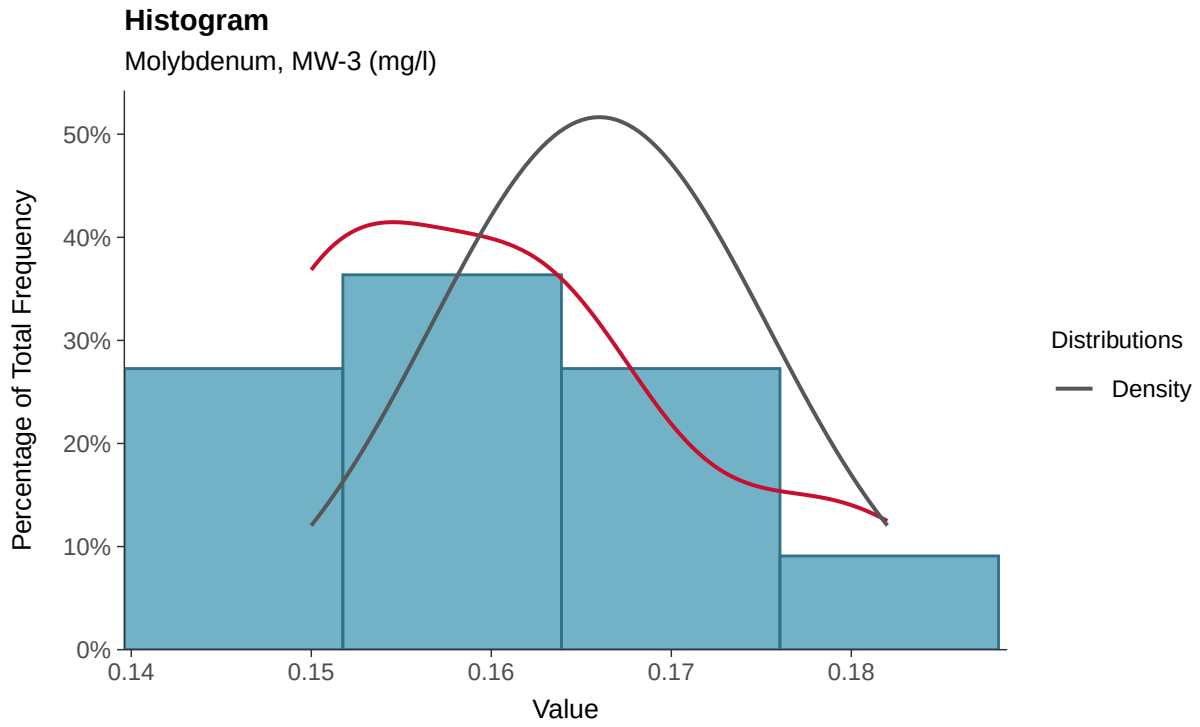



Trend Regression: Piecewise Linear-Linear
Mercury, MW-3 (mg/l)
Value
0.00020
0.00015
0.00010
0.00005
0.00000
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Molybdenum, MW-3

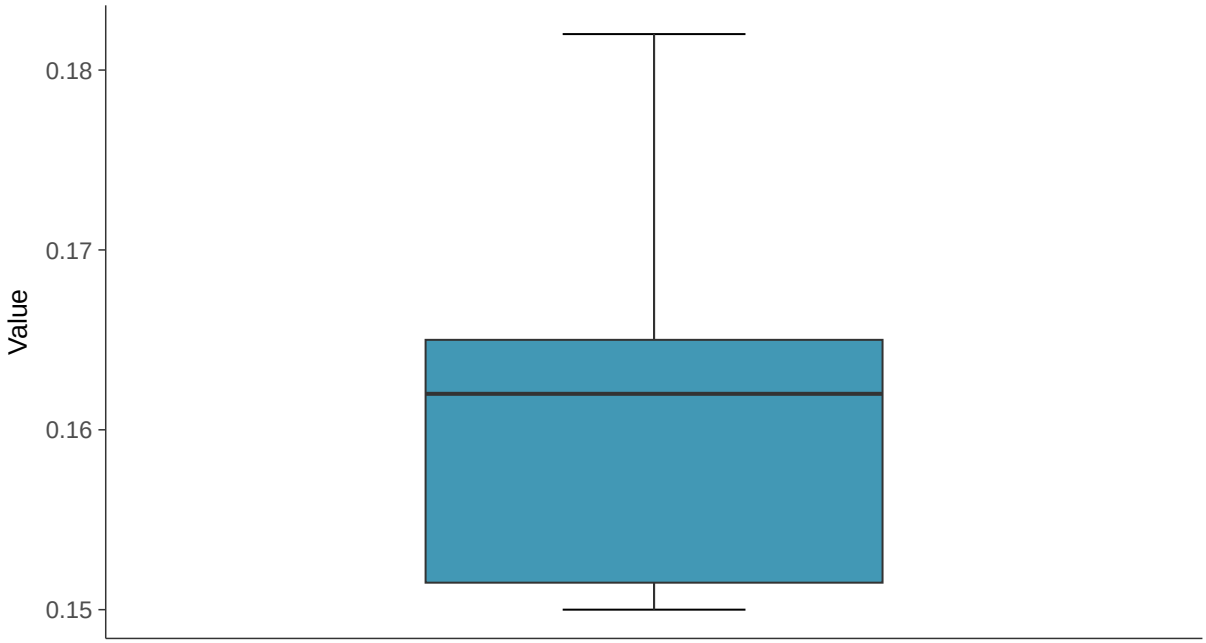
ID: 12_3_118





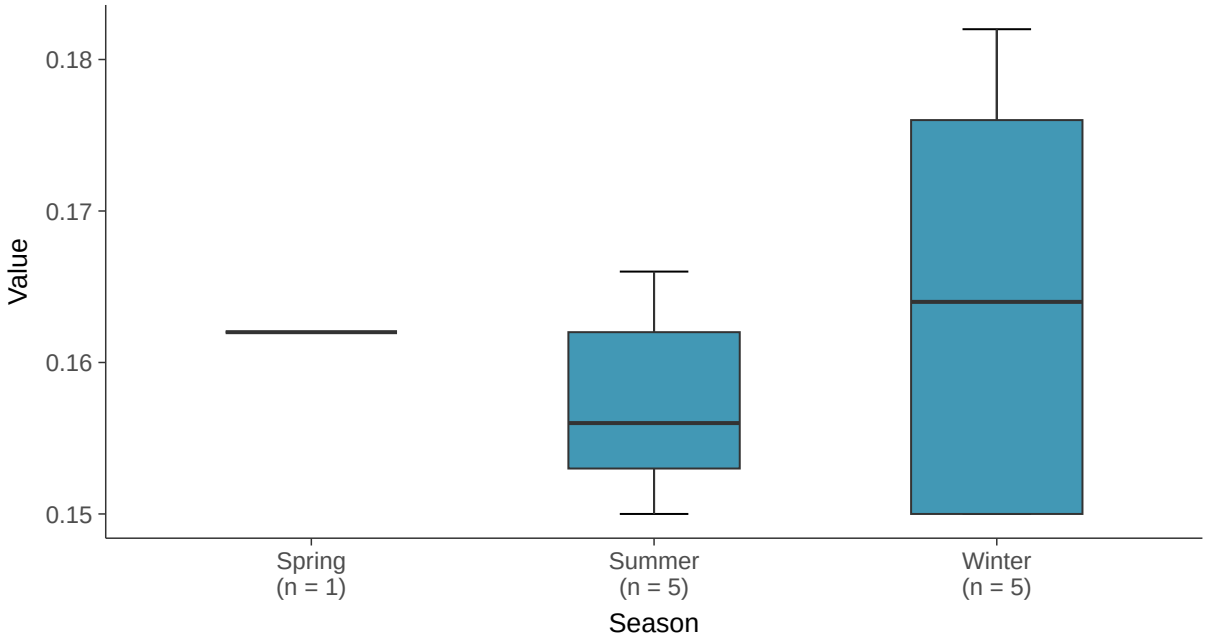
Boxplot

Molybdenum, MW-3 (mg/l)



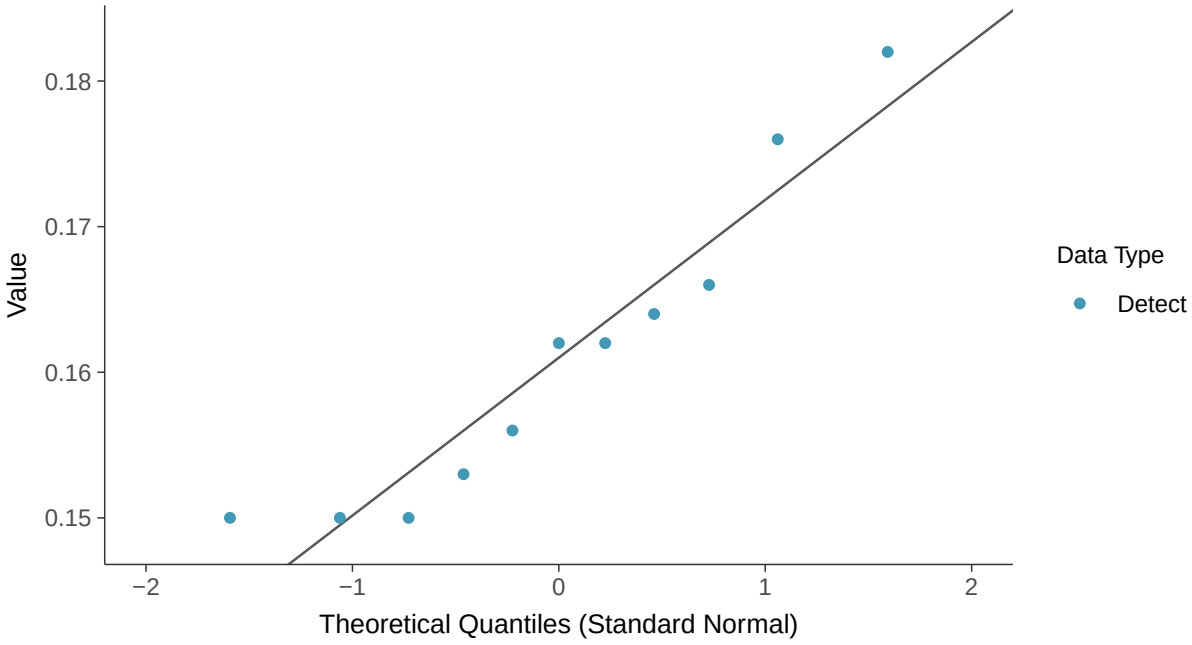
Boxplot by Season

Molybdenum, MW-3 (mg/l)



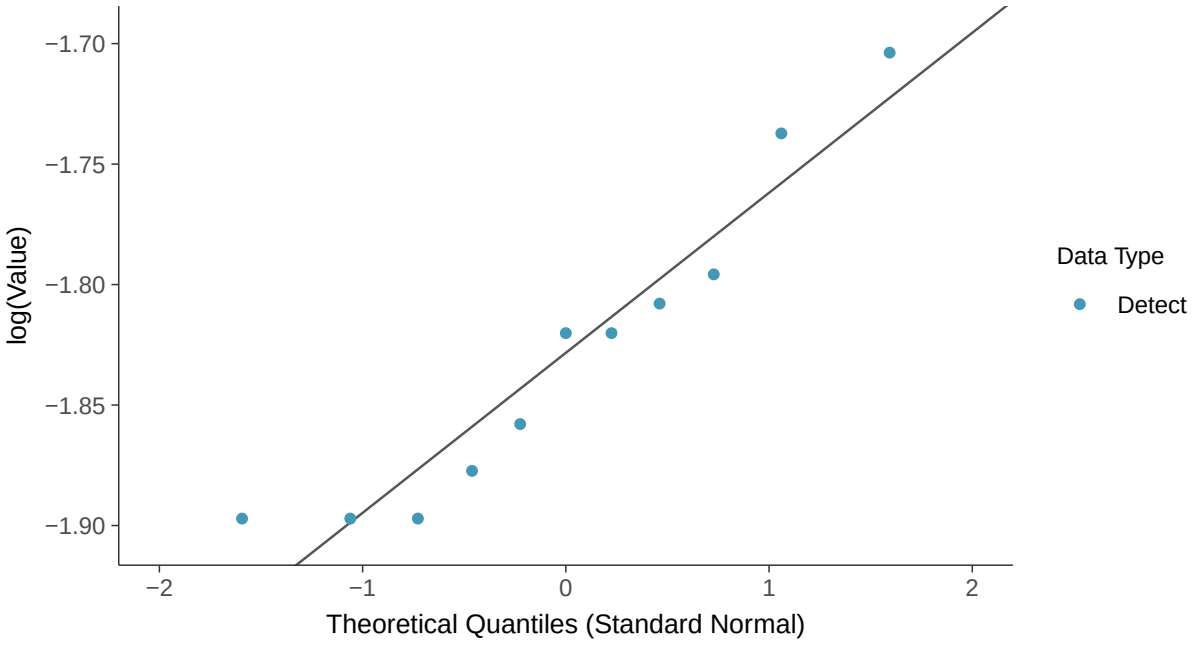
Normal Q-Q plot

Molybdenum, MW-3 (mg/l)



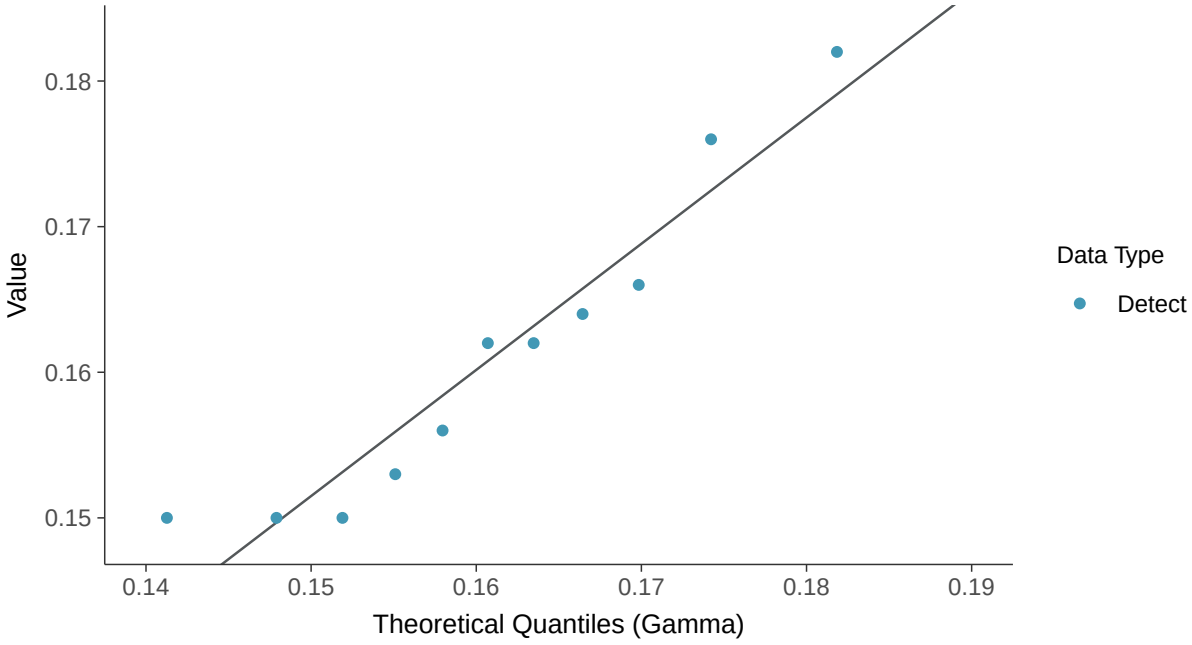
Lognormal Q-Q plot

Molybdenum, MW-3 (mg/l)



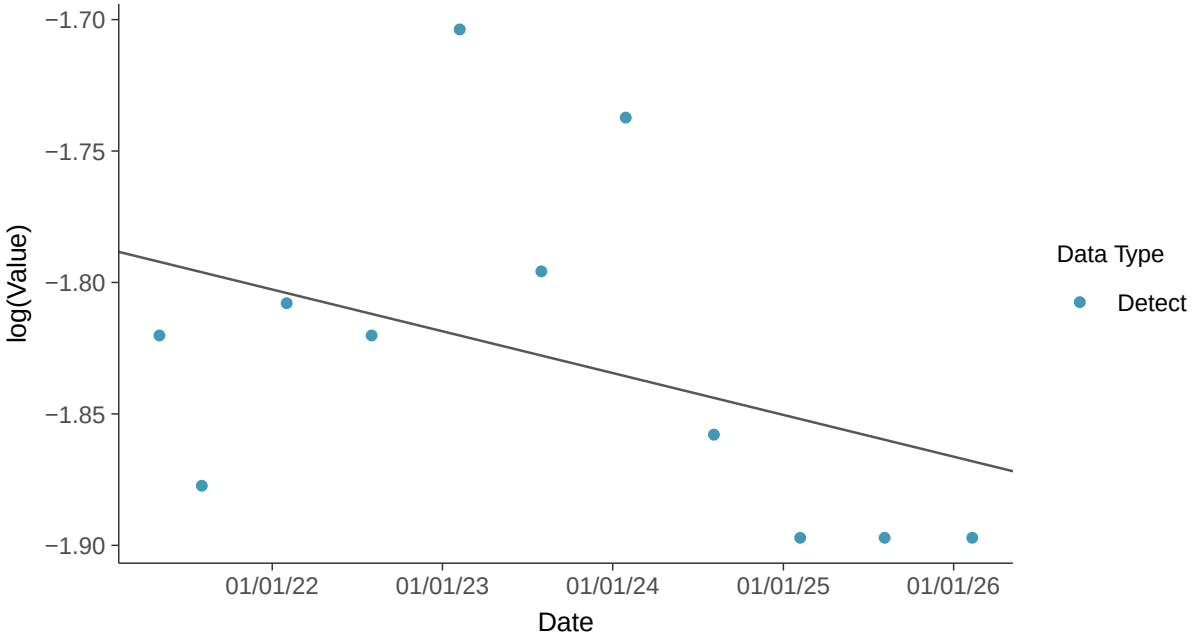
Gamma Q-Q plot

Molybdenum, MW-3 (mg/l)



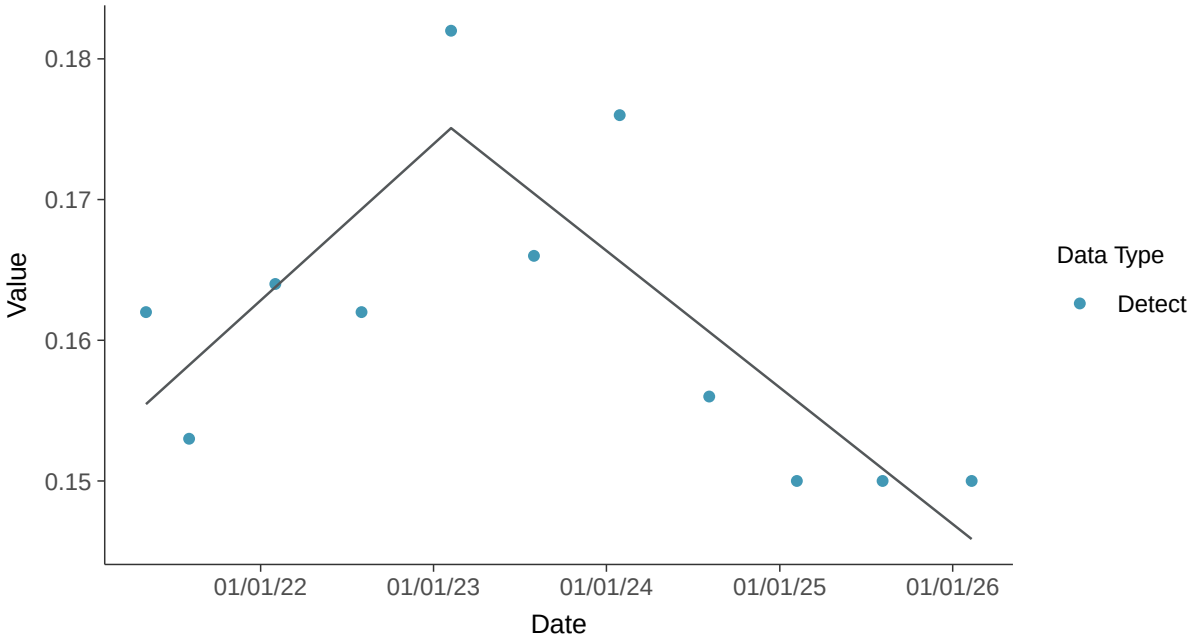
Trend Regression: Lognormal MLE

Molybdenum, MW-3 (mg/l)



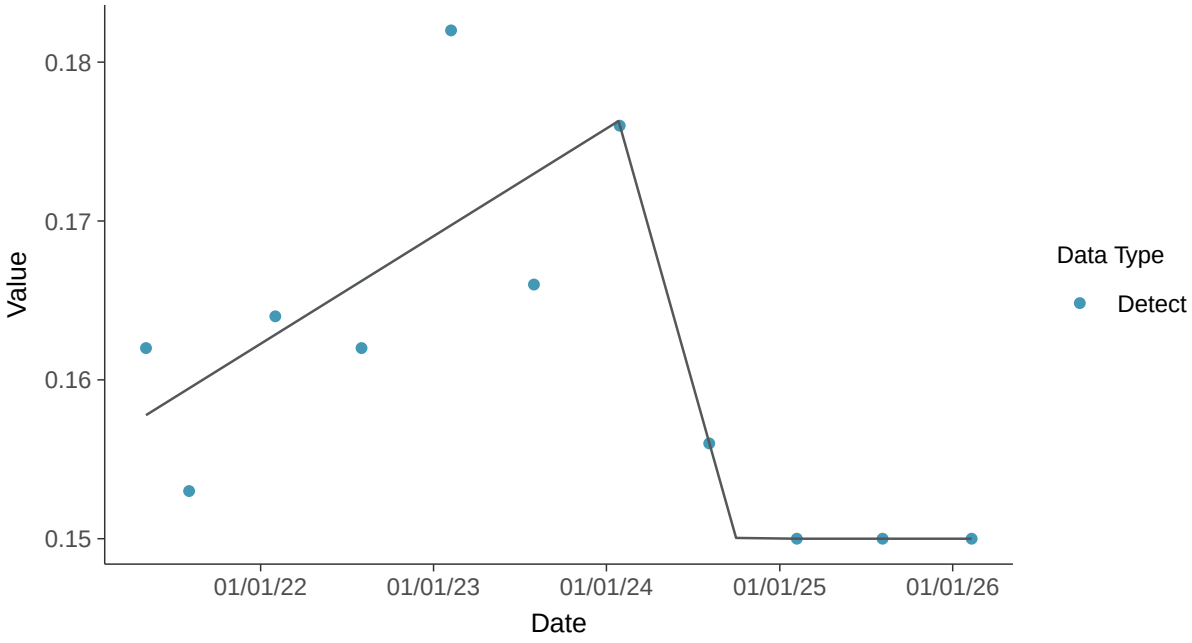
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-3 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-3 (mg/l)

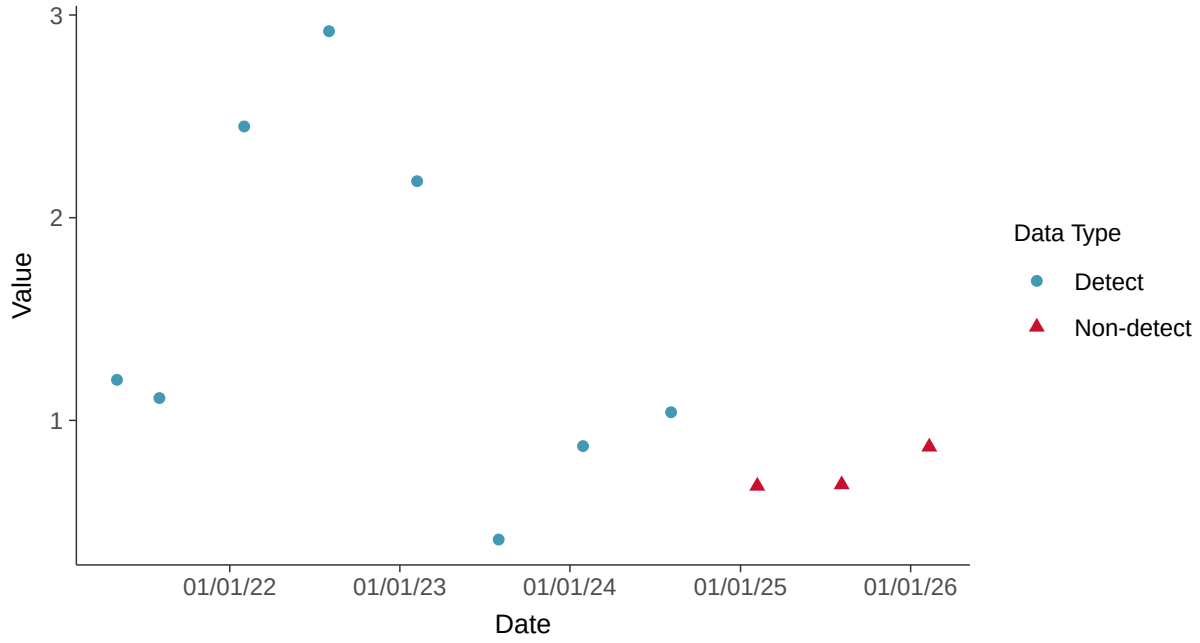


Appendix IV: Radium-226+228, MW-3

ID: 12_3_121

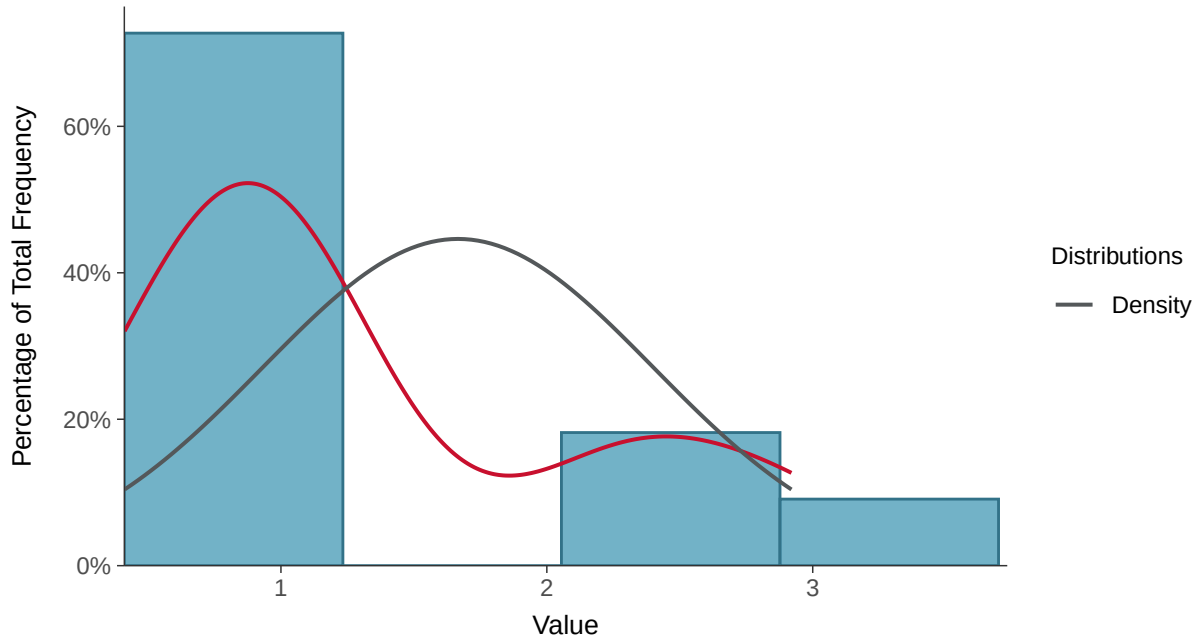
Scatter Plot

Radium-226+228, MW-3 (pci/l)



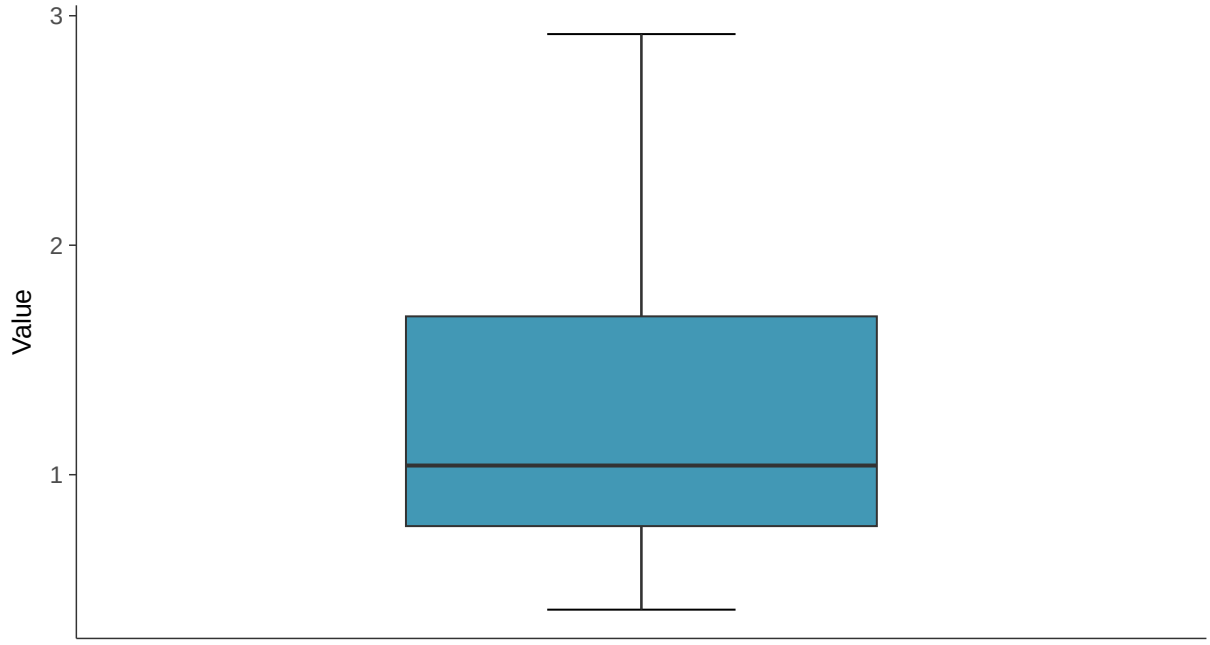
Histogram

Radium-226+228, MW-3 (pci/l)



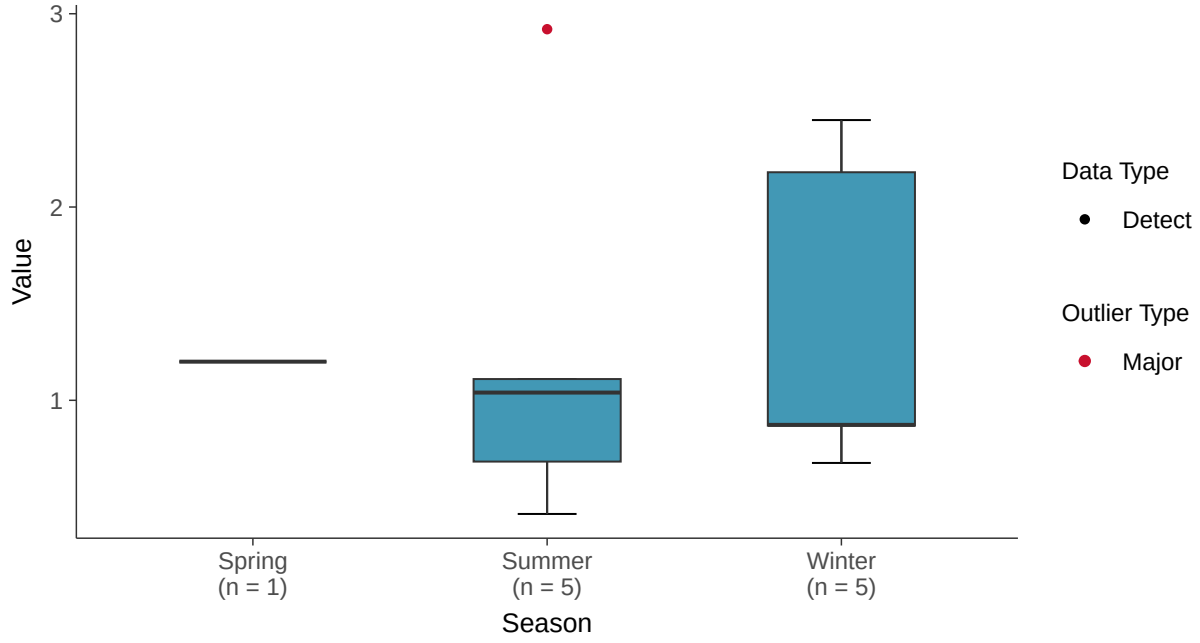
Boxplot

Radium-226+228, MW-3 (pci/l)



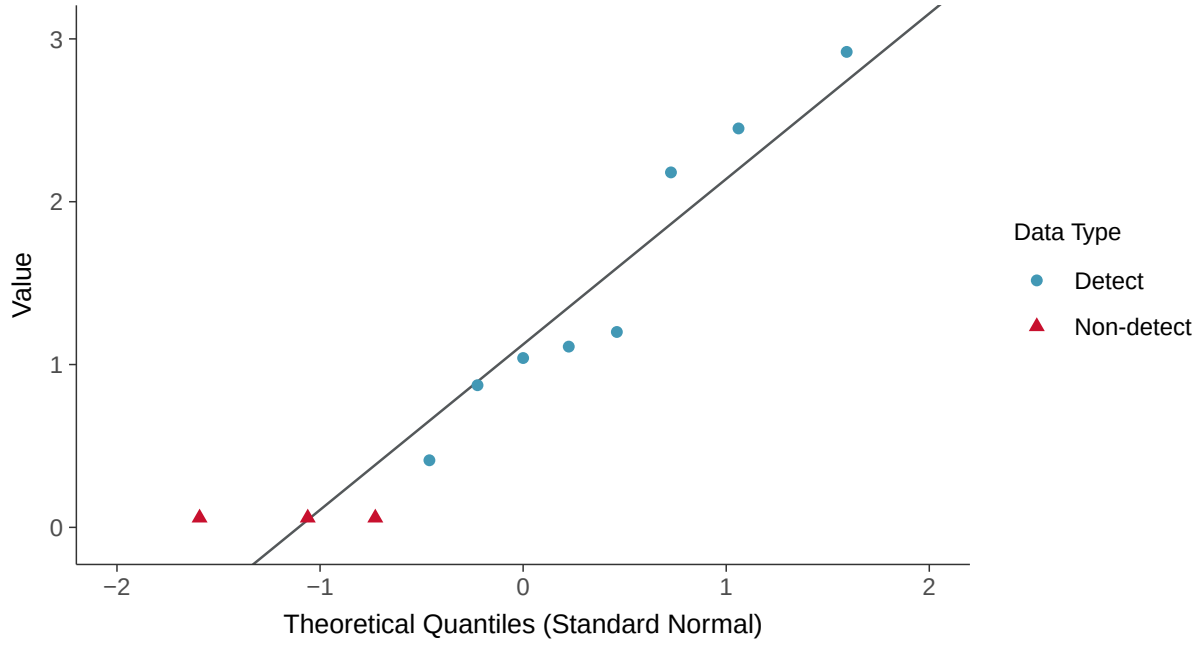
Boxplot by Season

Radium-226+228, MW-3 (pci/l)



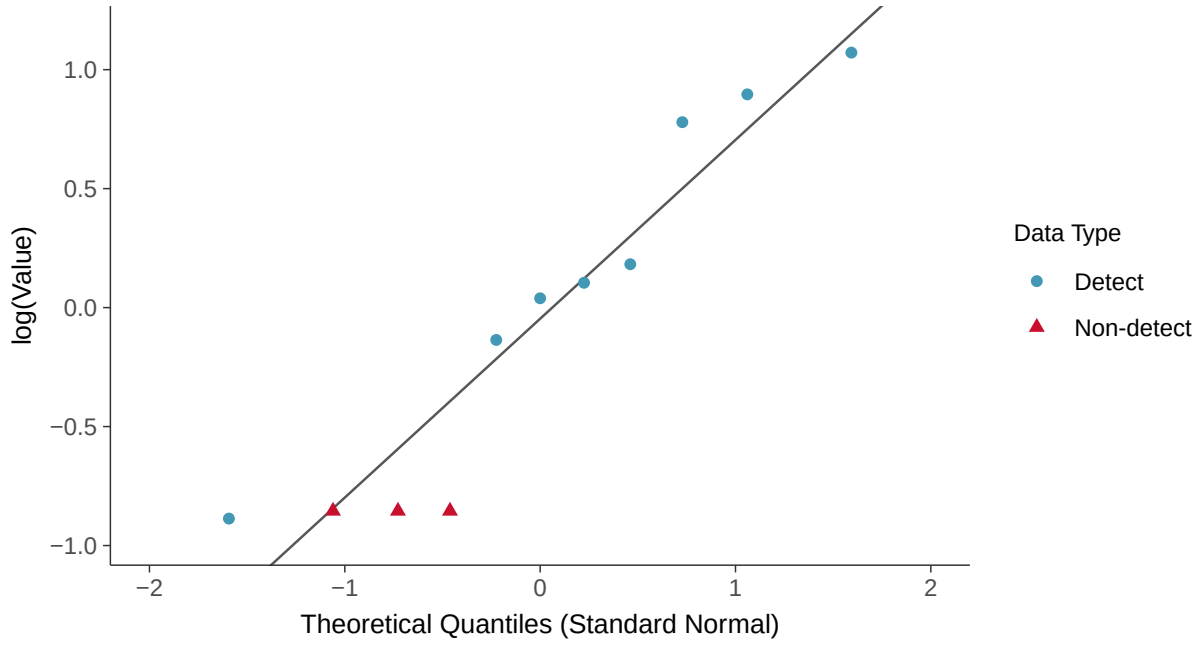
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-3 (pci/l)



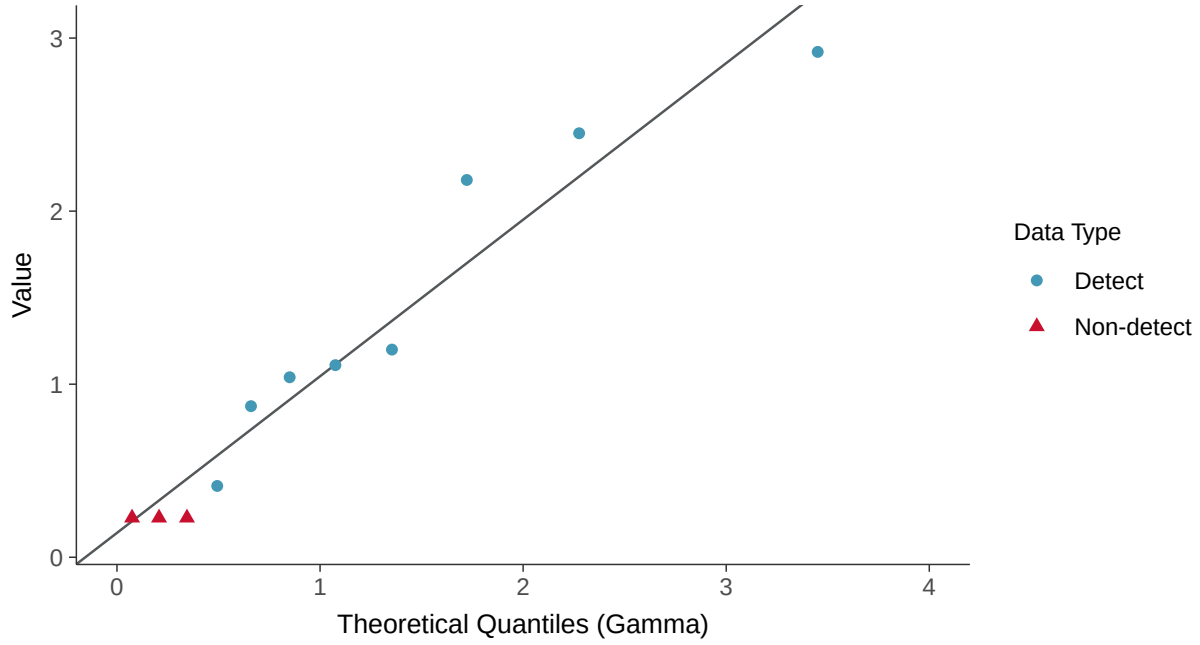
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-3 (pci/l)



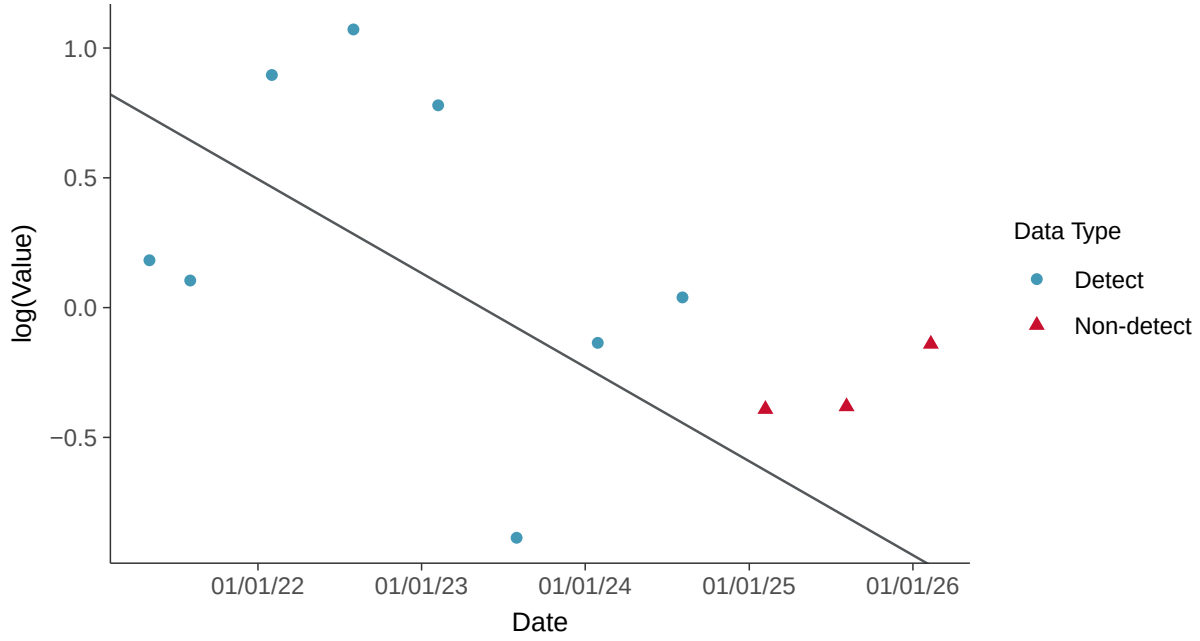
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-3 (pci/l)



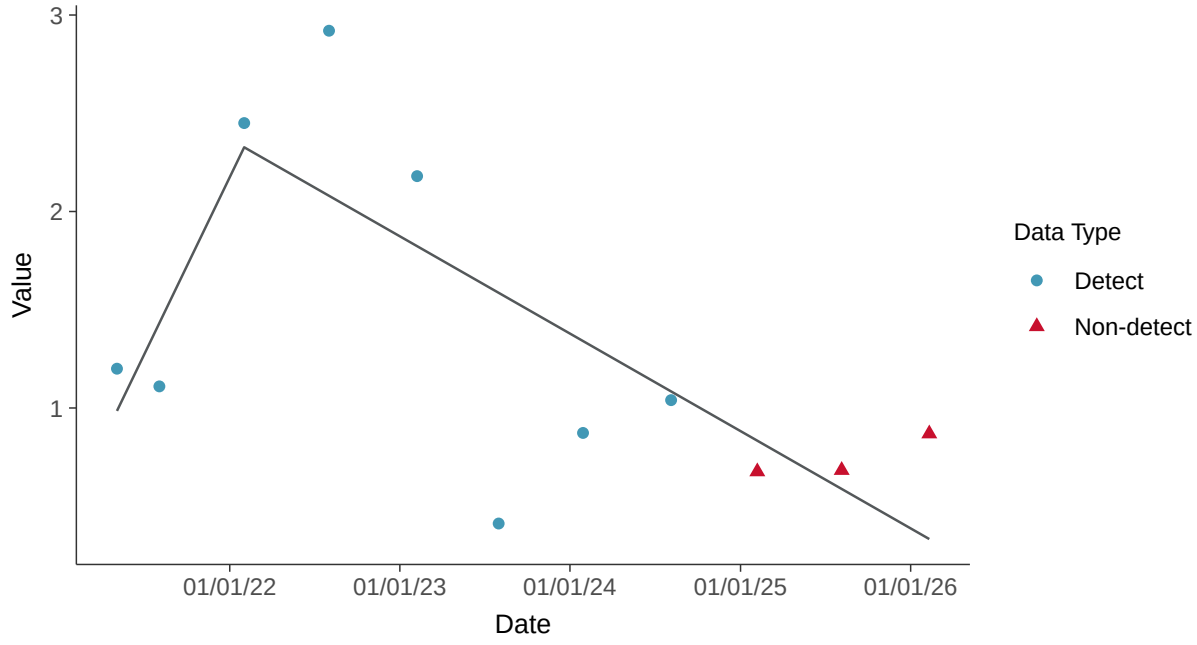
Trend Regression: Lognormal MLE

Radium-226+228, MW-3 (pci/l)



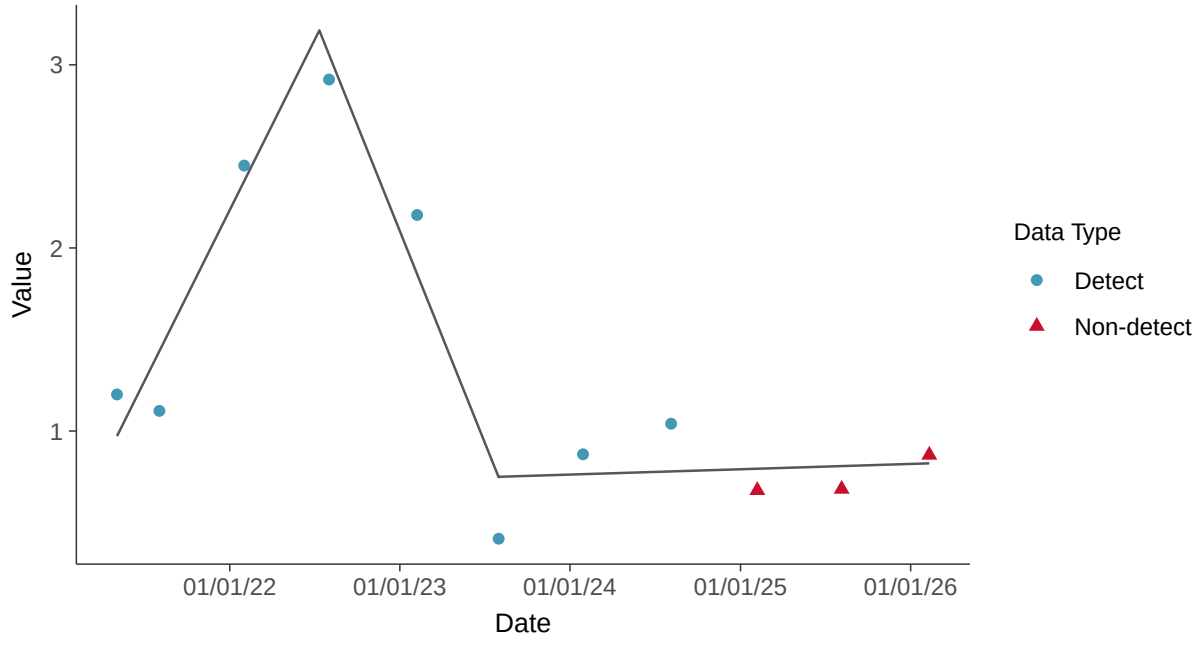
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-3 (pci/l)



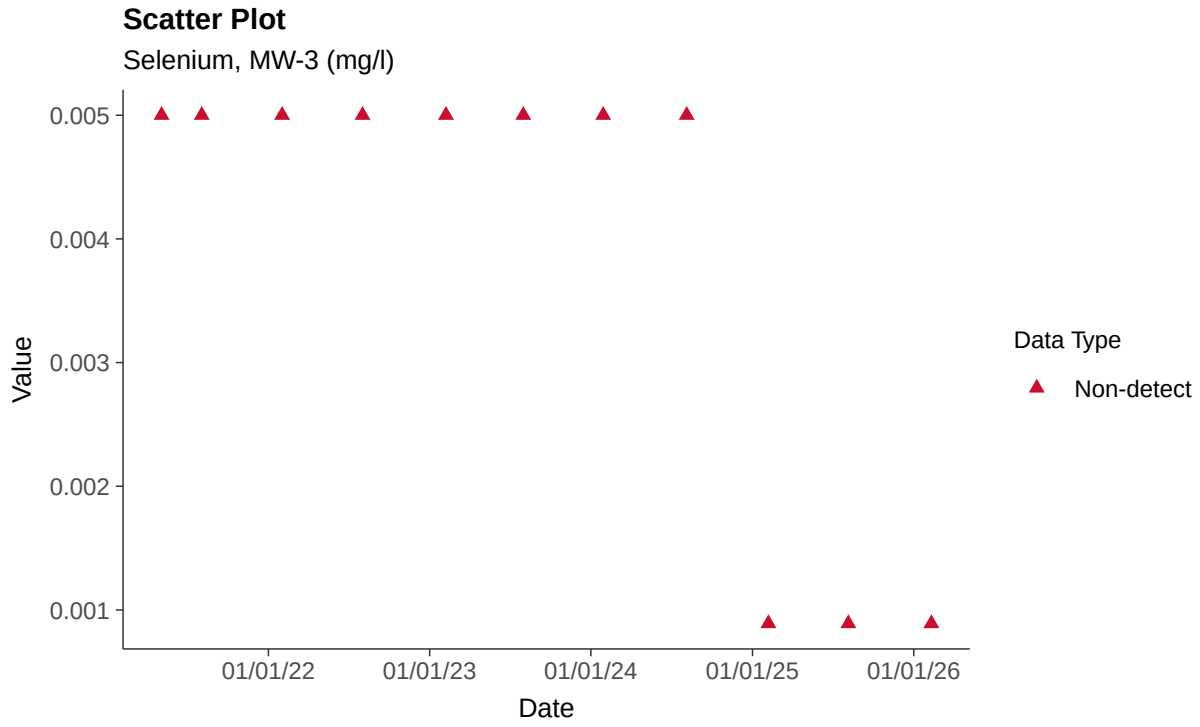
Trend Regression: Piecewise Linear-Linear-Linear

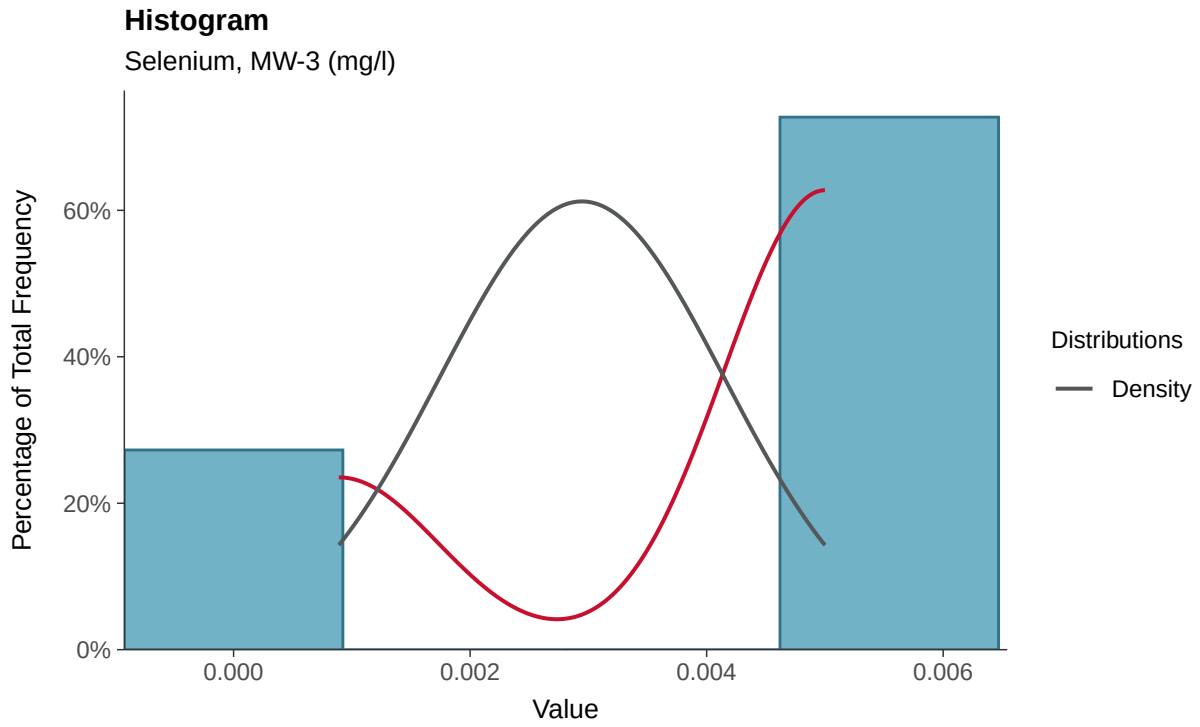
Radium-226+228, MW-3 (pci/l)



Appendix IV: Selenium, MW-3

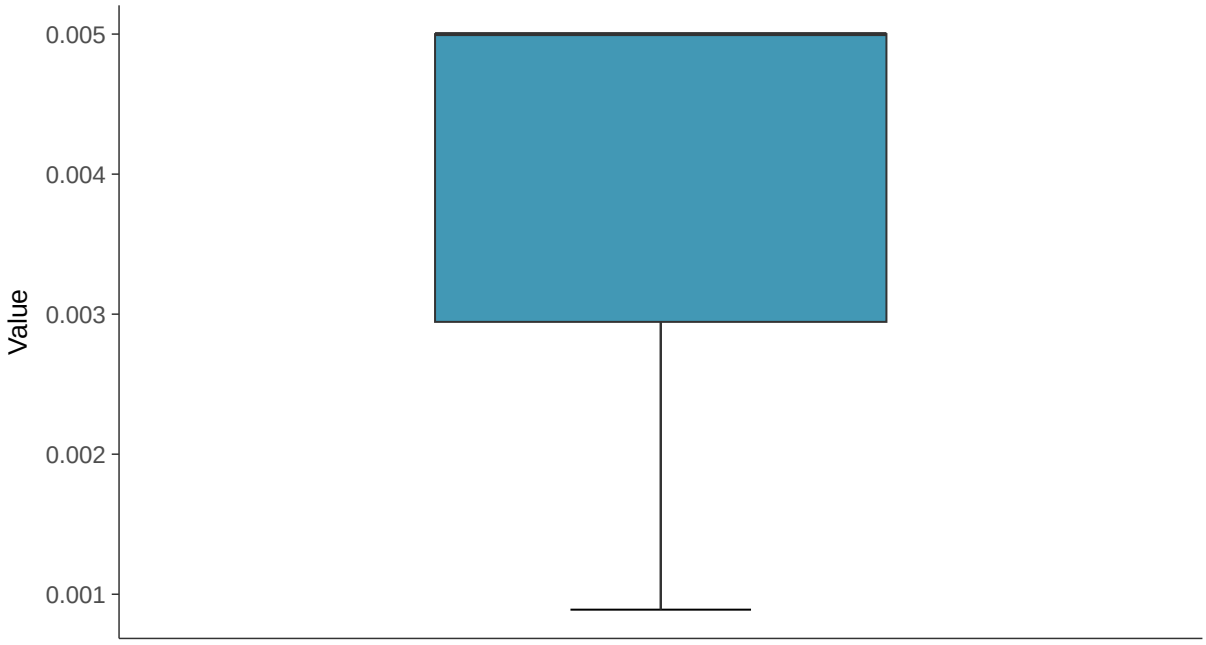
ID: 12_3_122





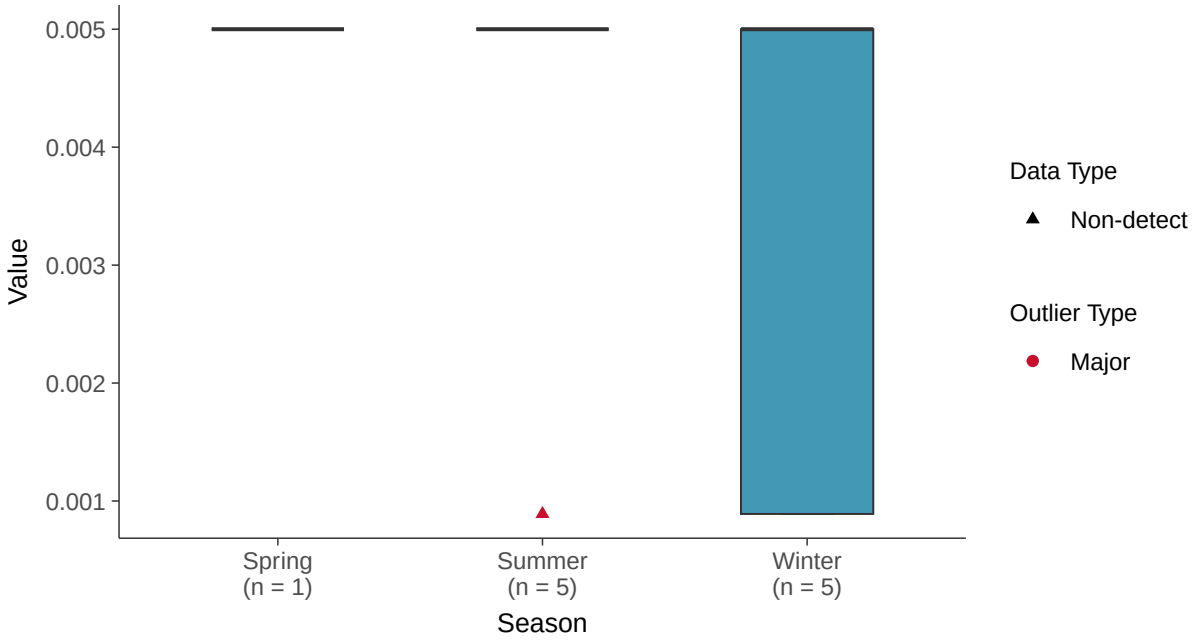
Boxplot

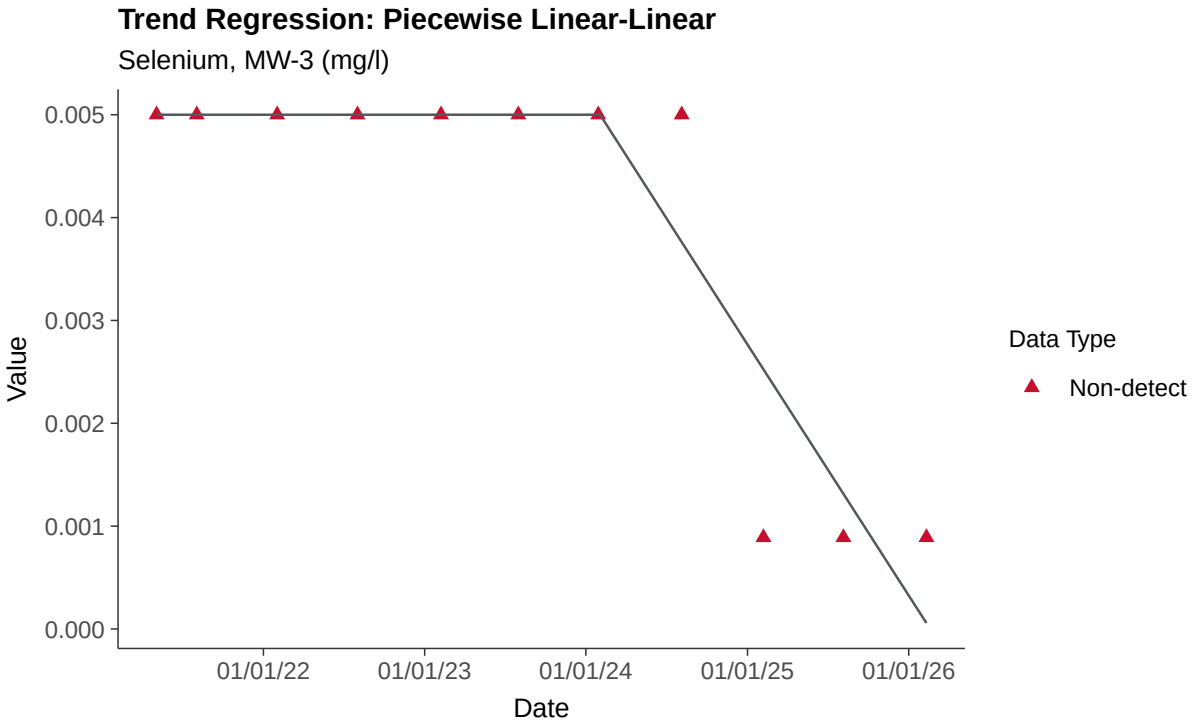
Selenium, MW-3 (mg/l)



Boxplot by Season

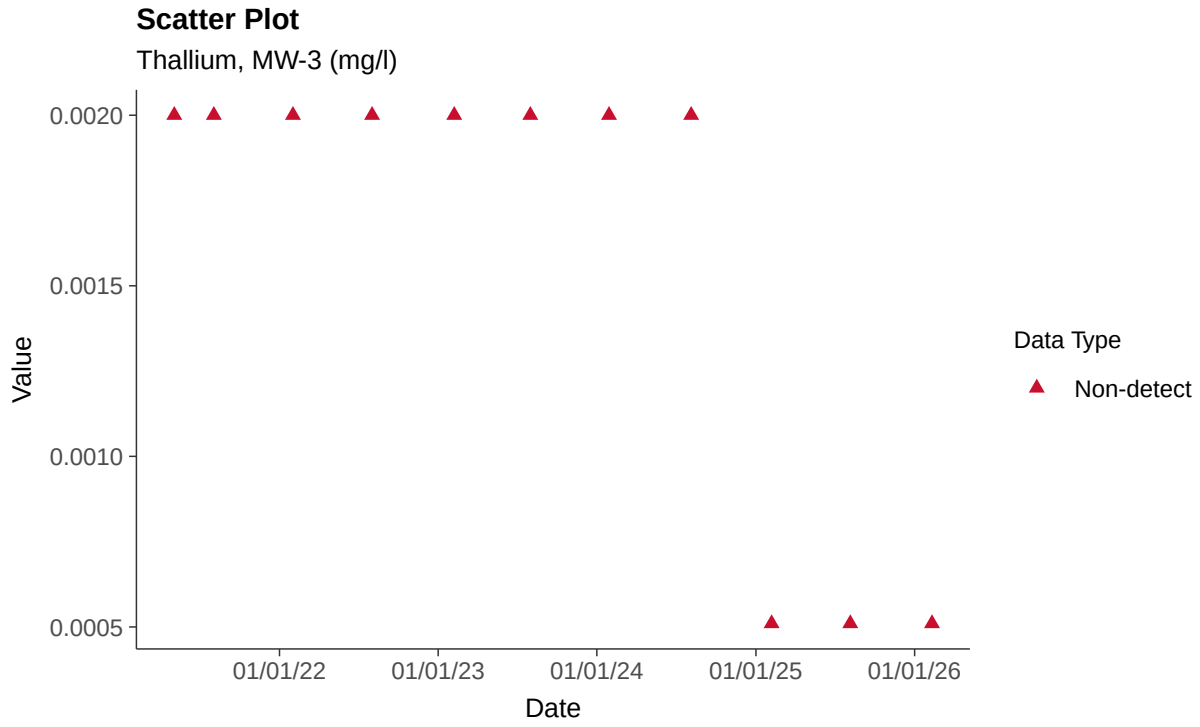
Selenium, MW-3 (mg/l)

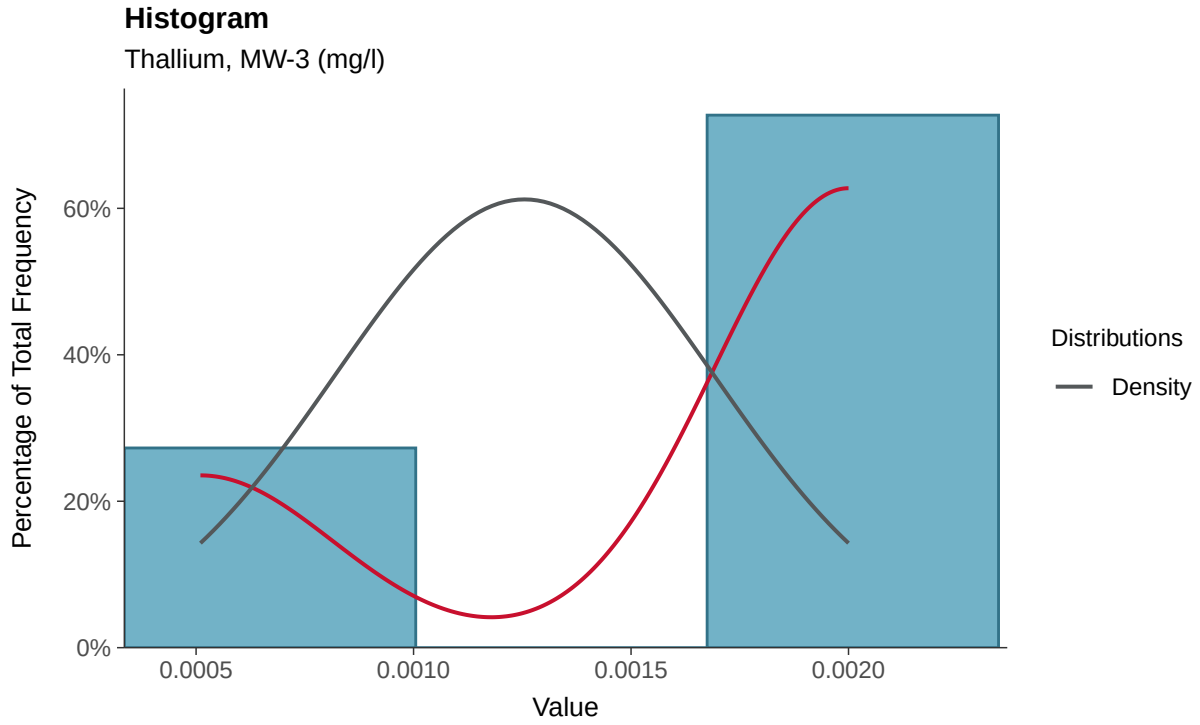



Trend Regression: Piecewise Linear-Linear
Selenium, MW-3 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-3

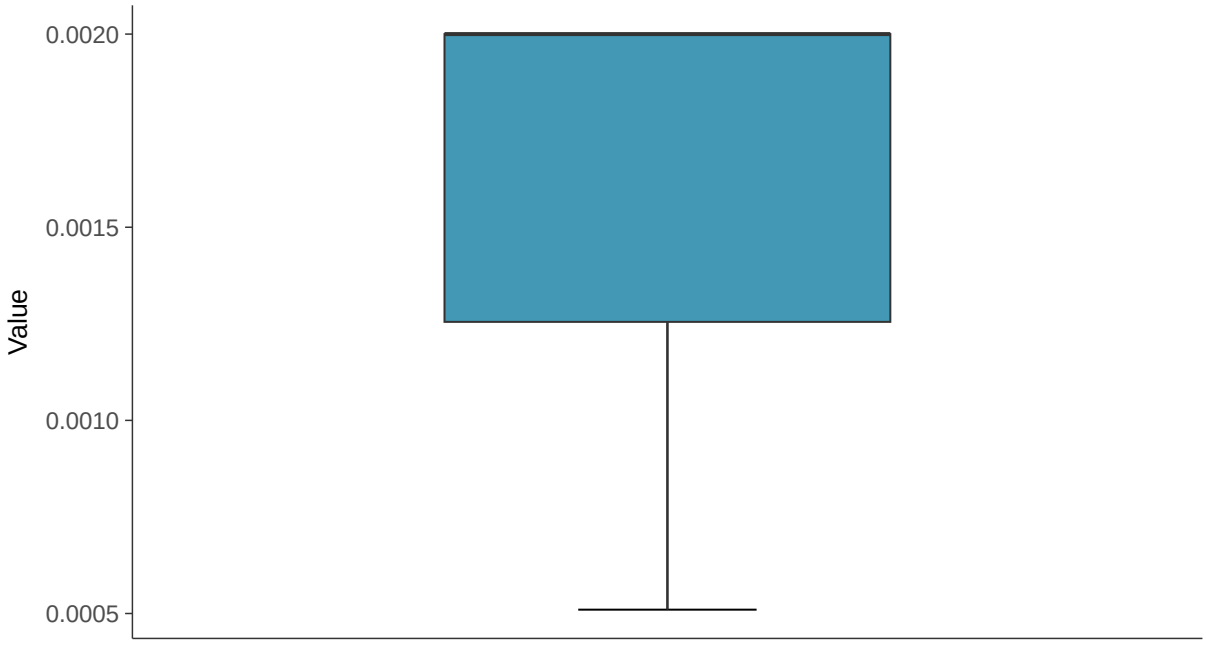
ID: 12_3_125





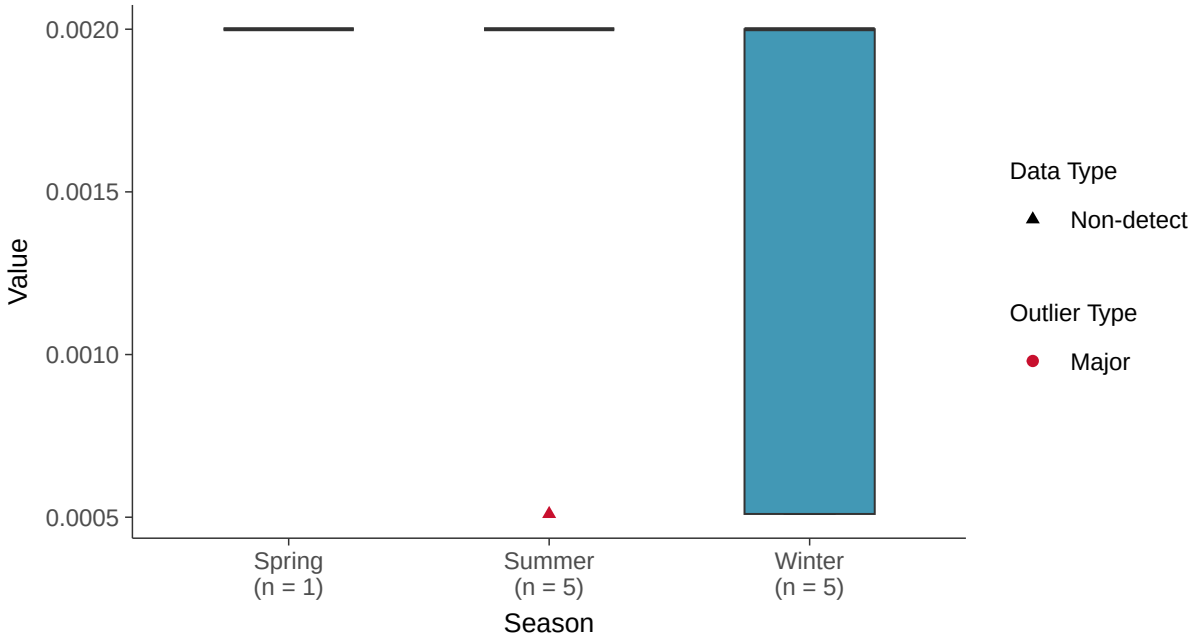
Boxplot

Thallium, MW-3 (mg/l)



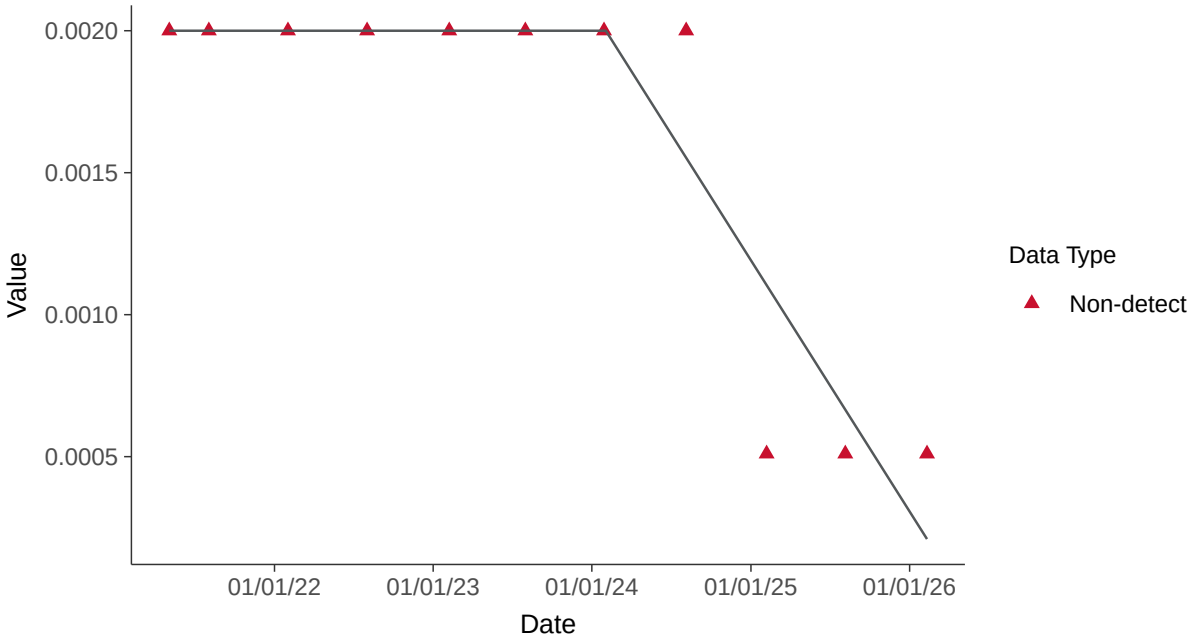
Boxplot by Season

Thallium, MW-3 (mg/l)



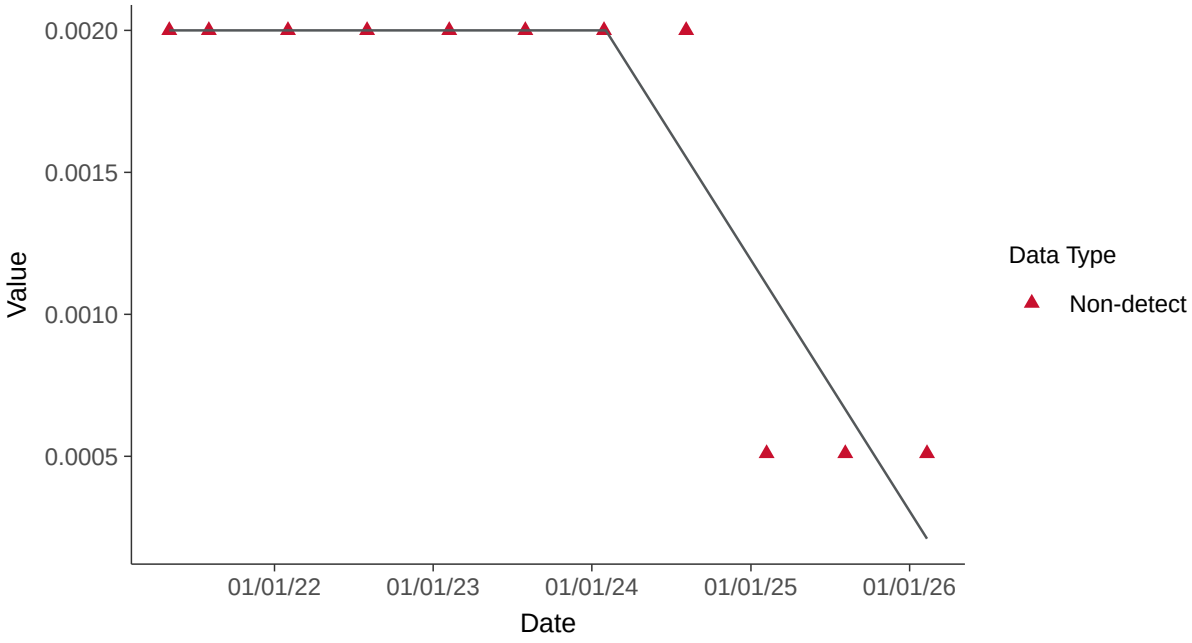
Trend Regression: Piecewise Linear-Linear

Thallium, MW-3 (mg/l)



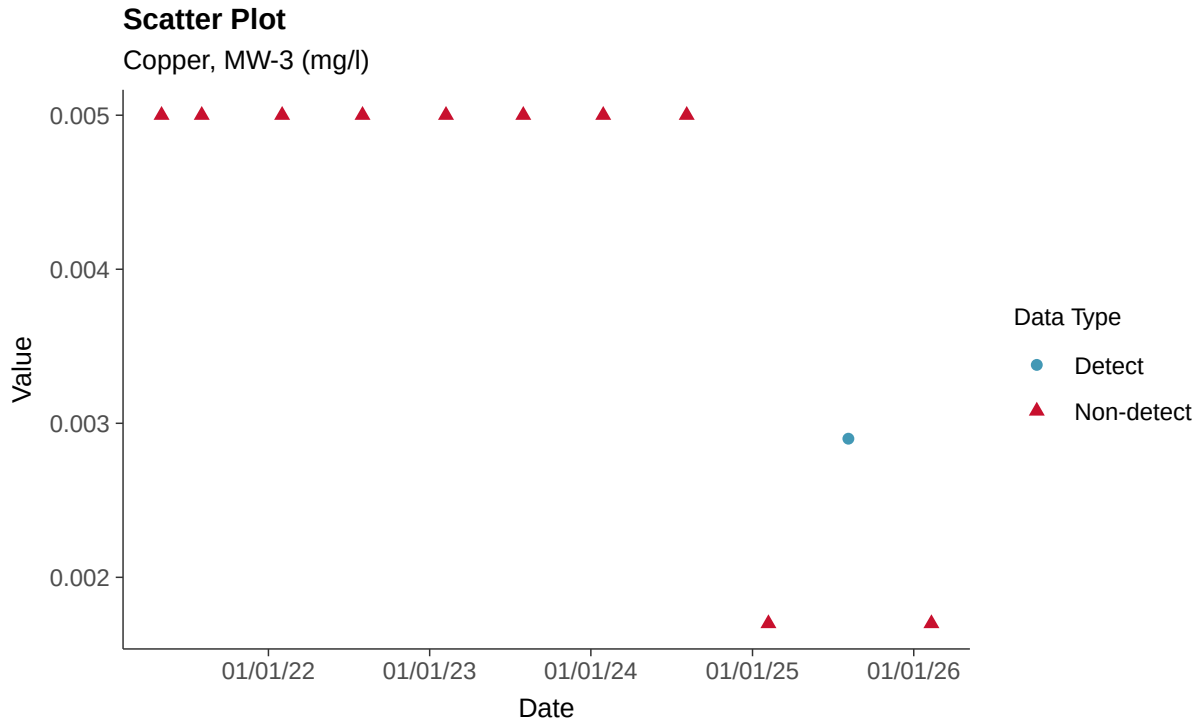
Trend Regression: Piecewise Linear-Linear-Linear

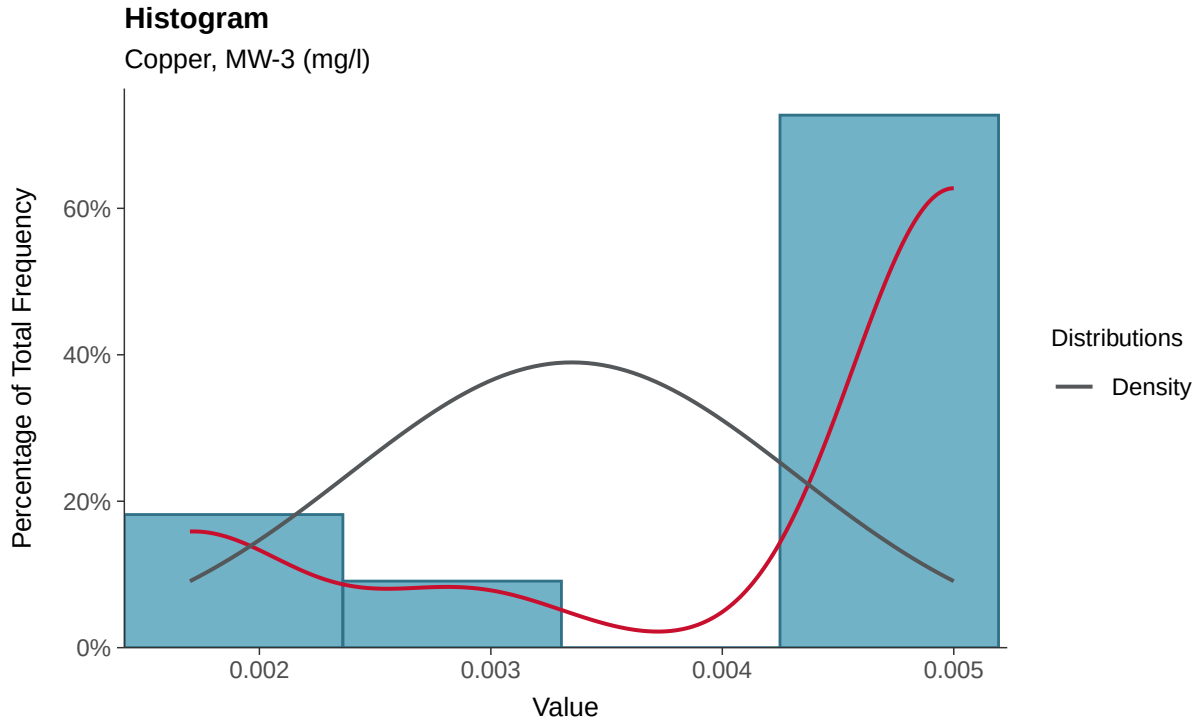
Thallium, MW-3 (mg/l)



Part 115: Copper, MW-3

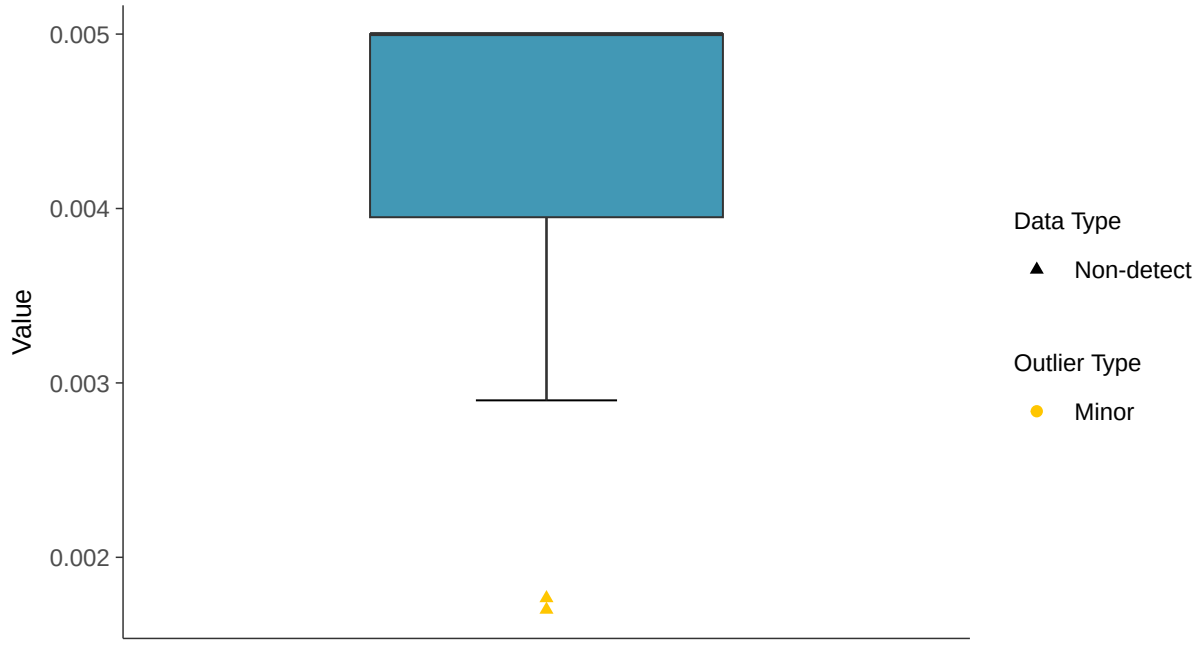
ID: 12_5_111





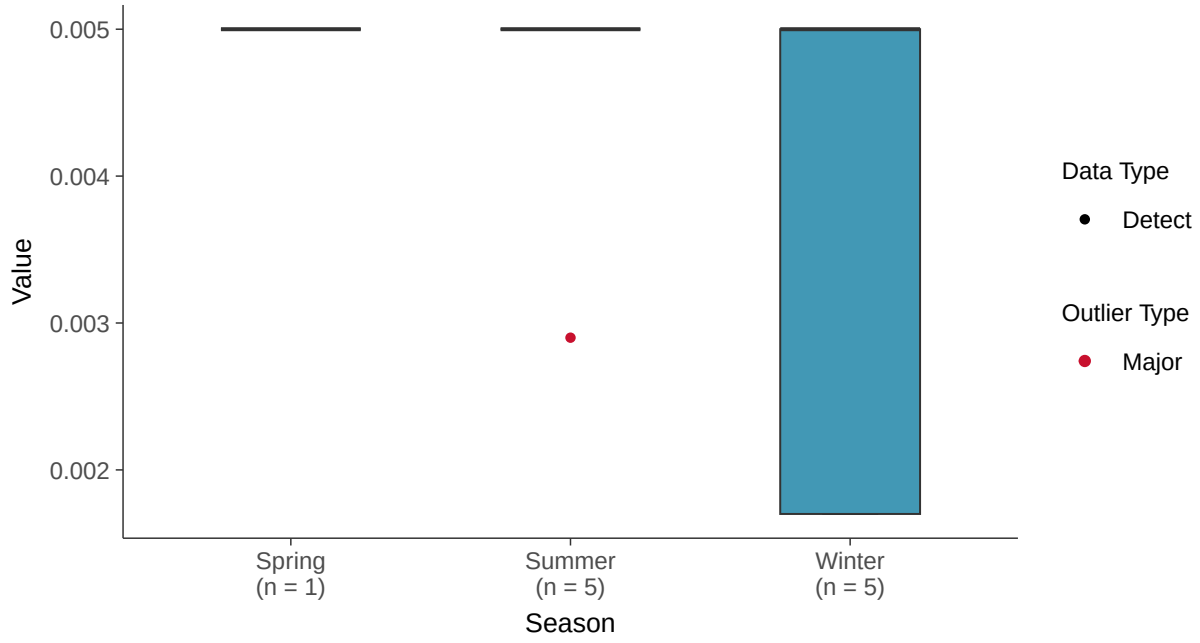
Boxplot

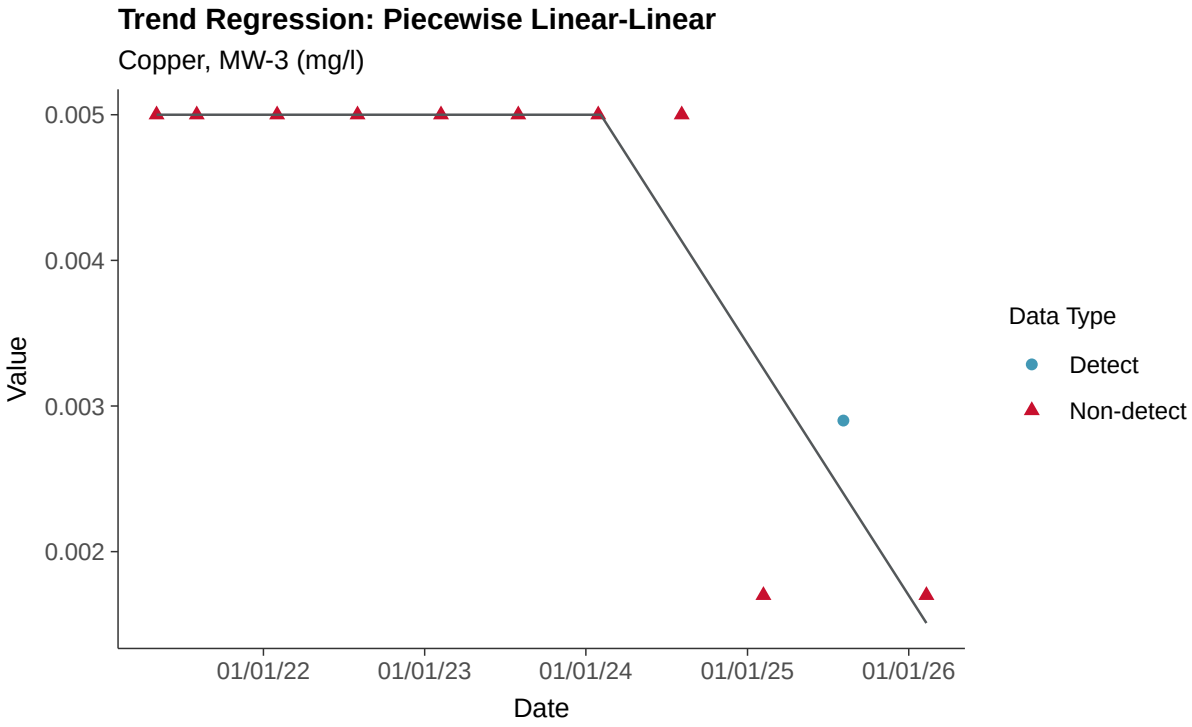
Copper, MW-3 (mg/l)



Boxplot by Season

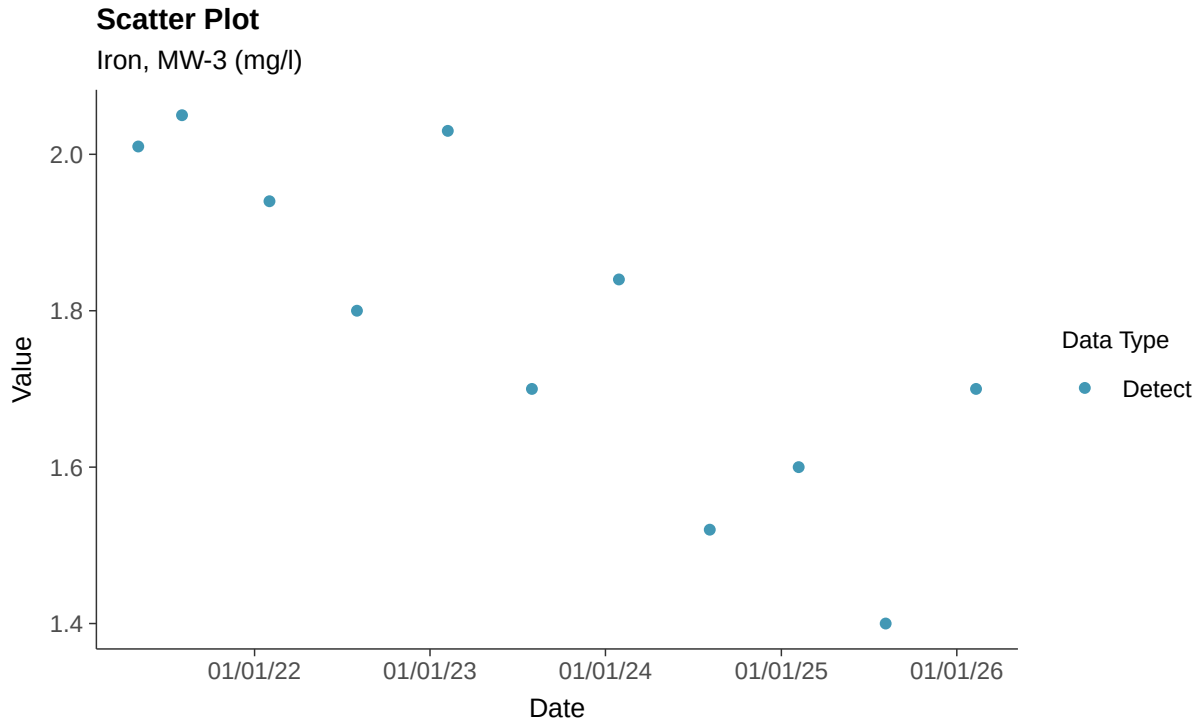
Copper, MW-3 (mg/l)

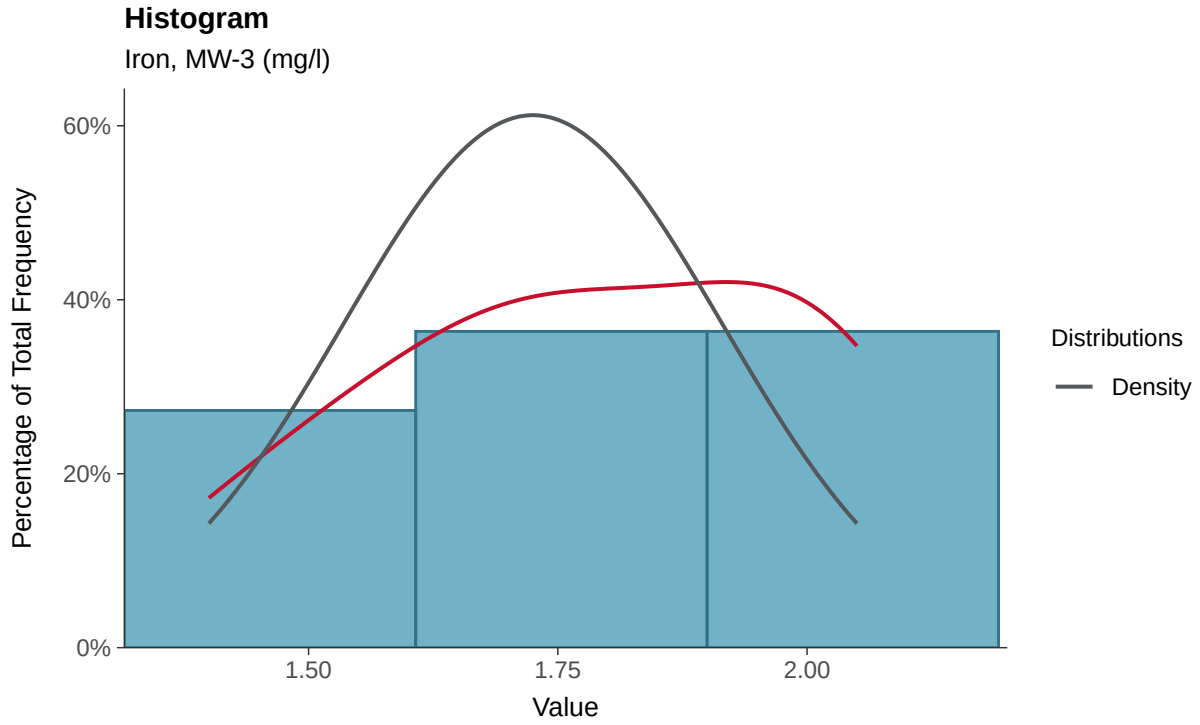



Trend Regression: Piecewise Linear-Linear
Copper, MW-3 (mg/l)
0.005
0.004
0.003
0.002
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Iron, MW-3

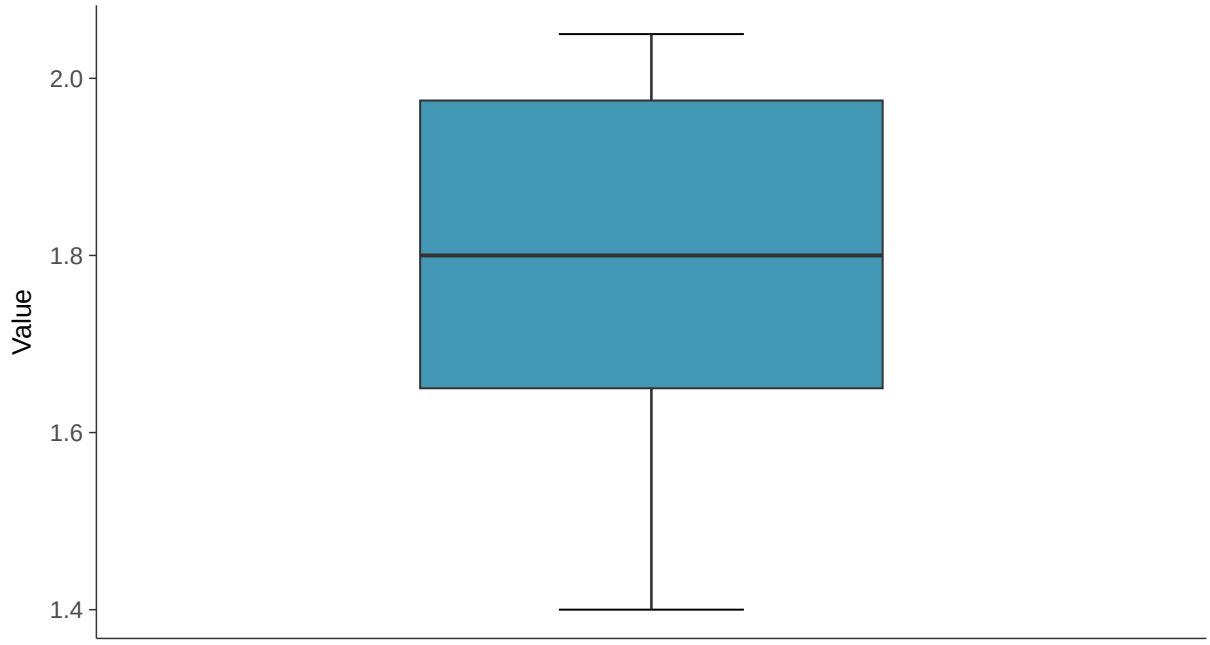
ID: 12_5_114





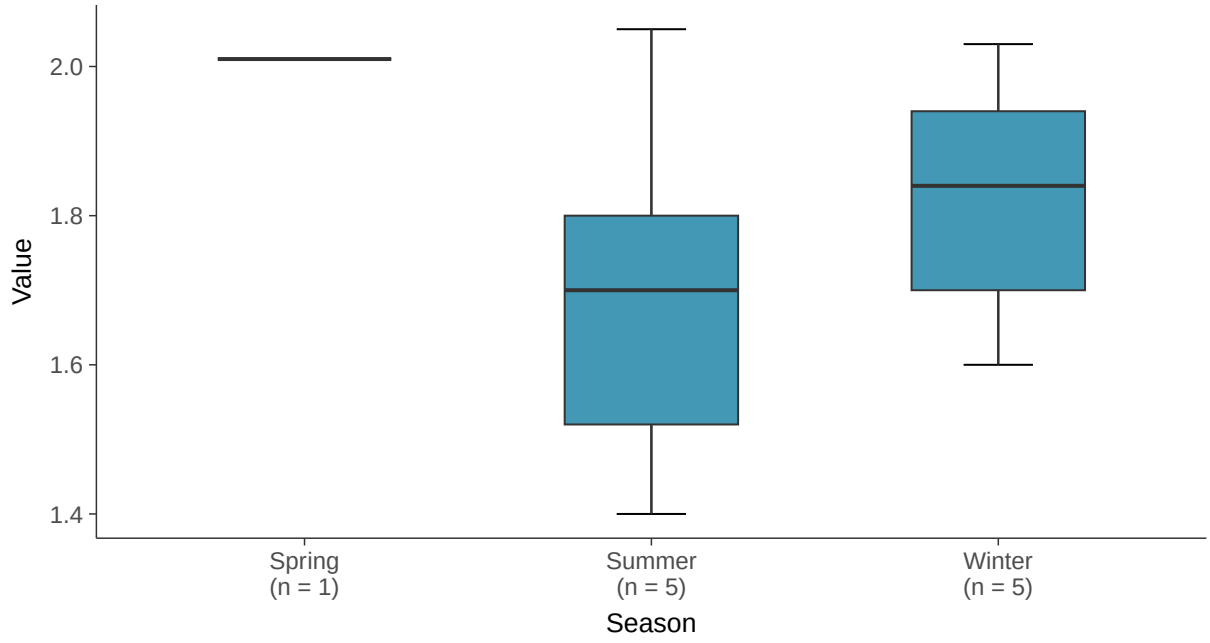
Boxplot

Iron, MW-3 (mg/l)



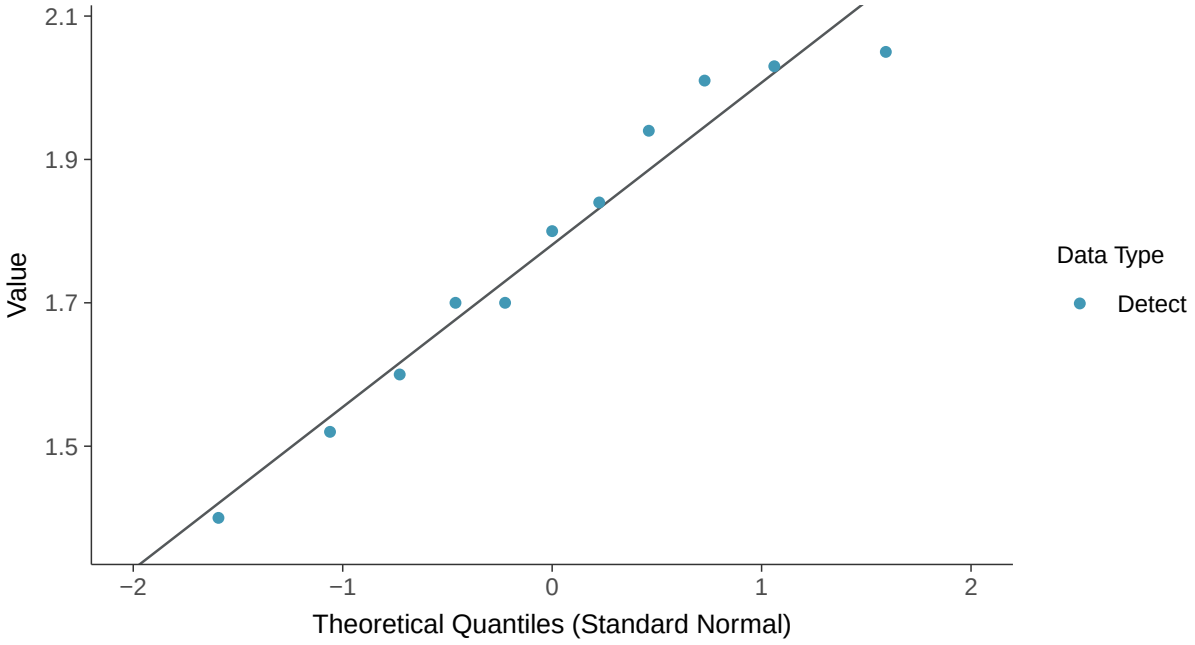
Boxplot by Season

Iron, MW-3 (mg/l)



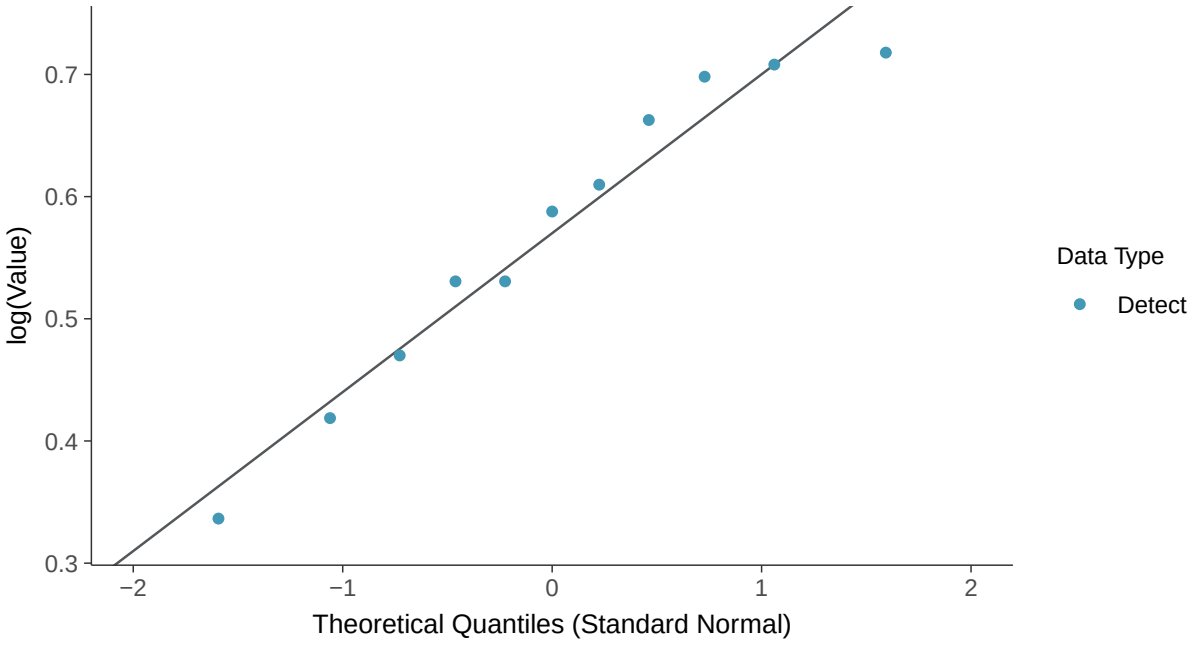
Normal Q-Q plot

Iron, MW-3 (mg/l)



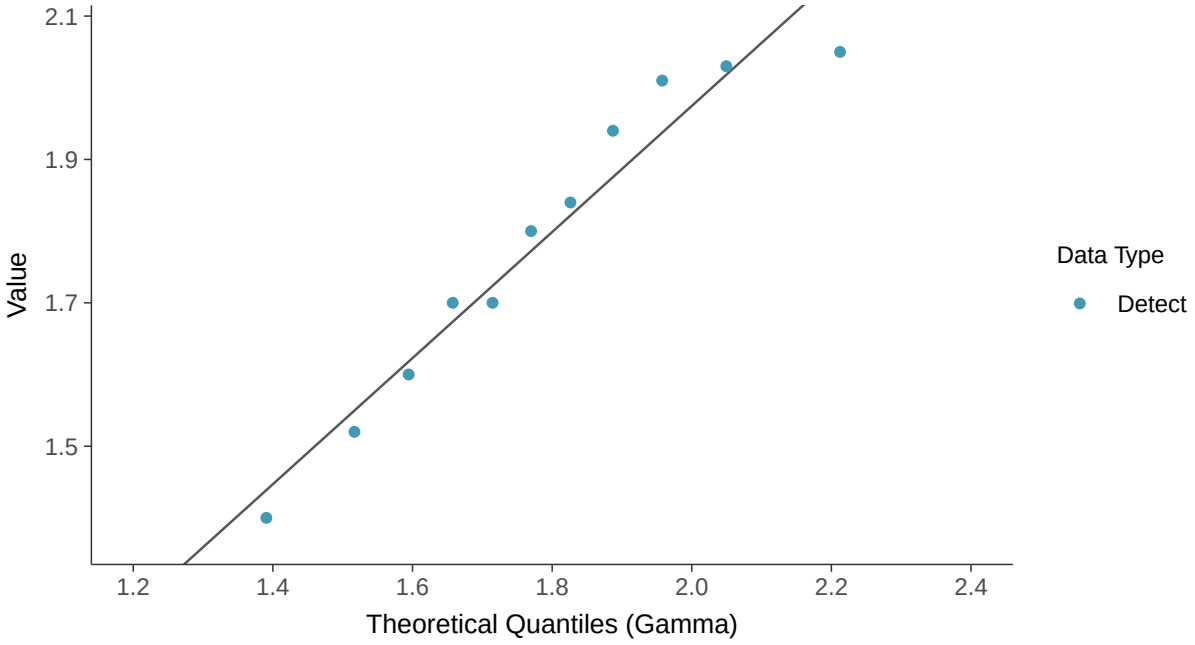
Lognormal Q-Q plot

Iron, MW-3 (mg/l)



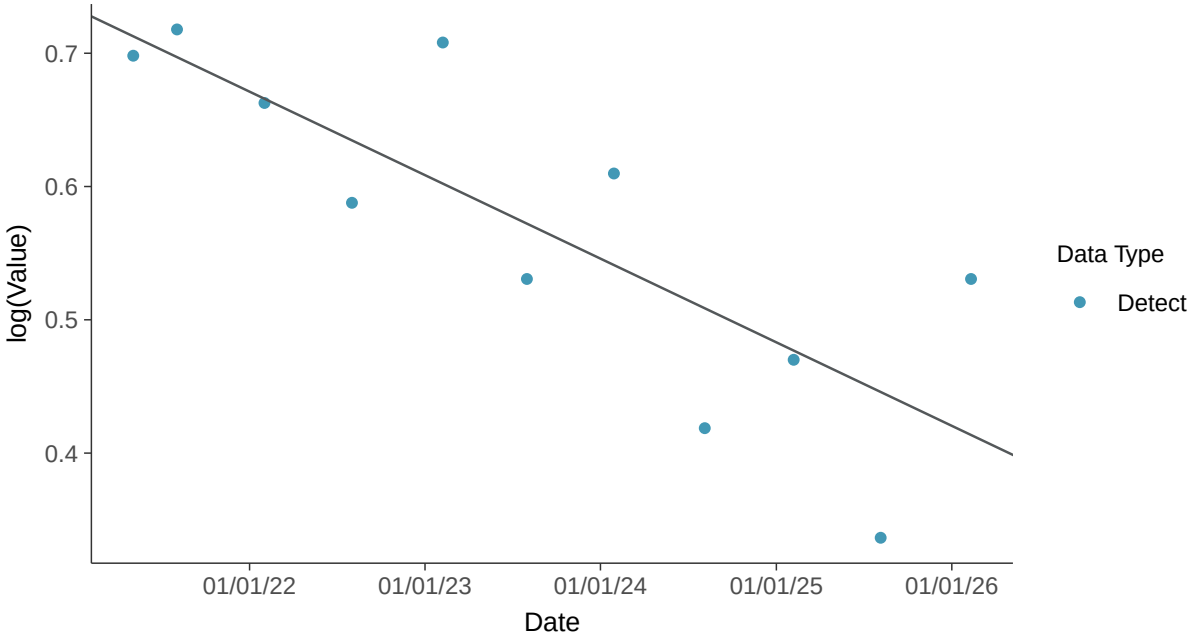
Gamma Q-Q plot

Iron, MW-3 (mg/l)



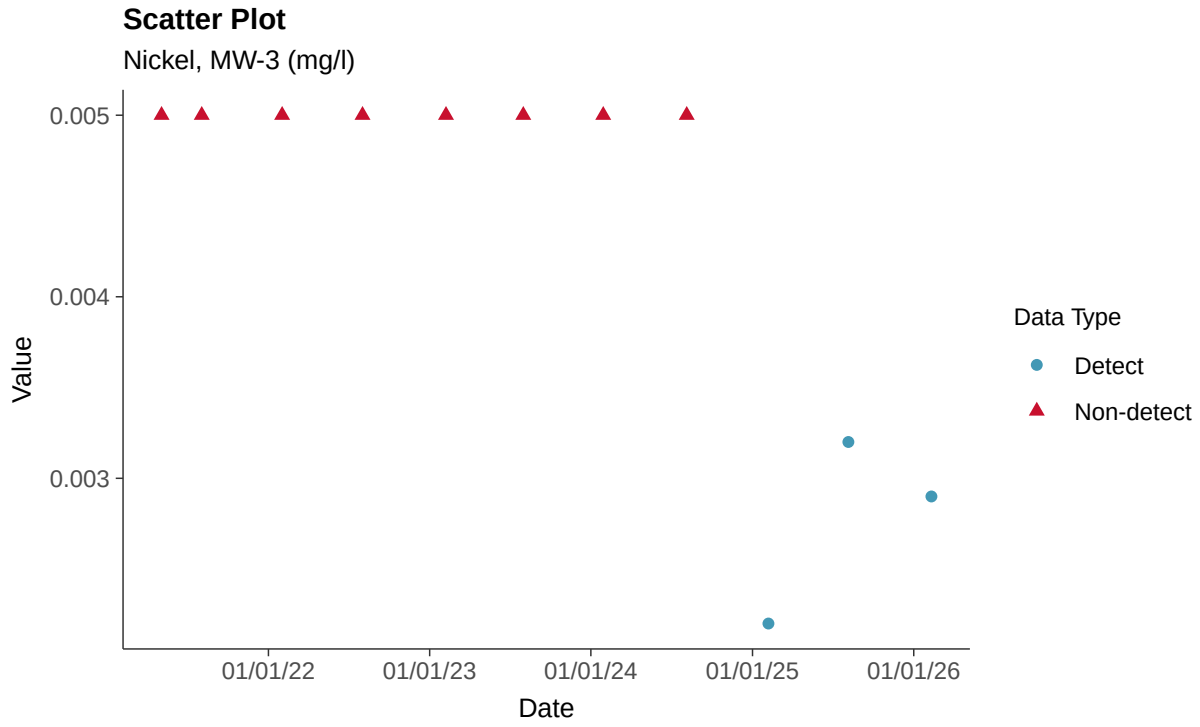
Trend Regression: Lognormal MLE

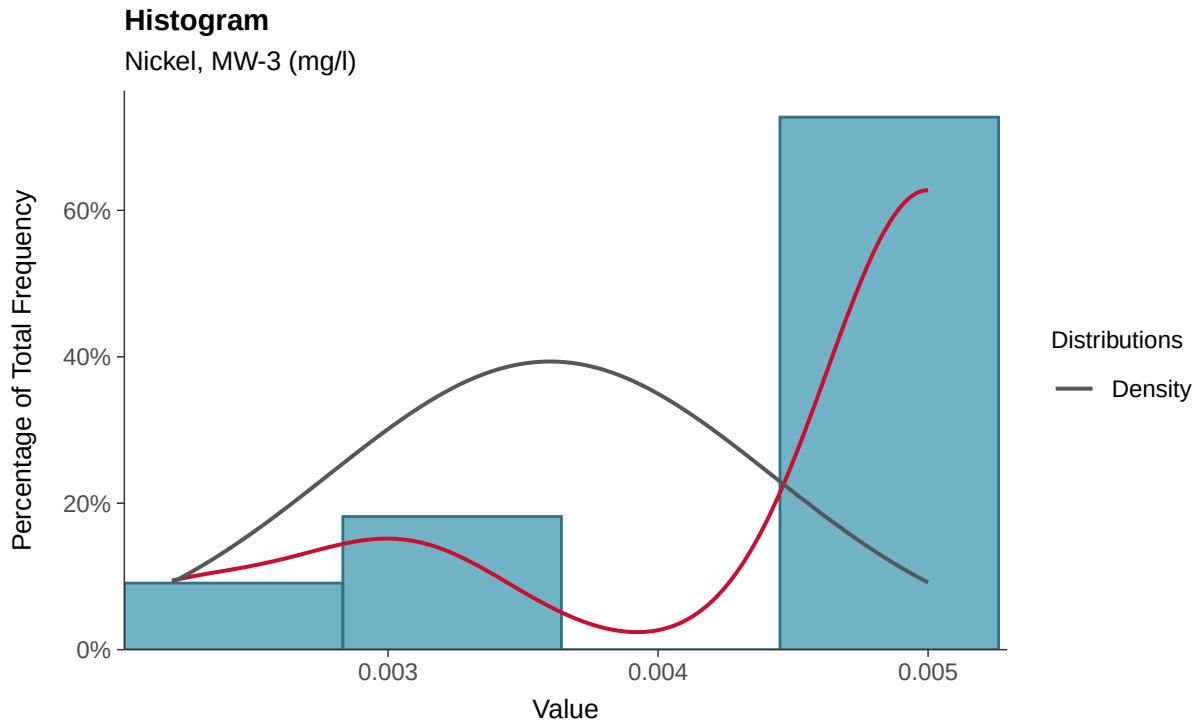
Iron, MW-3 (mg/l)



Part 115: Nickel, MW-3

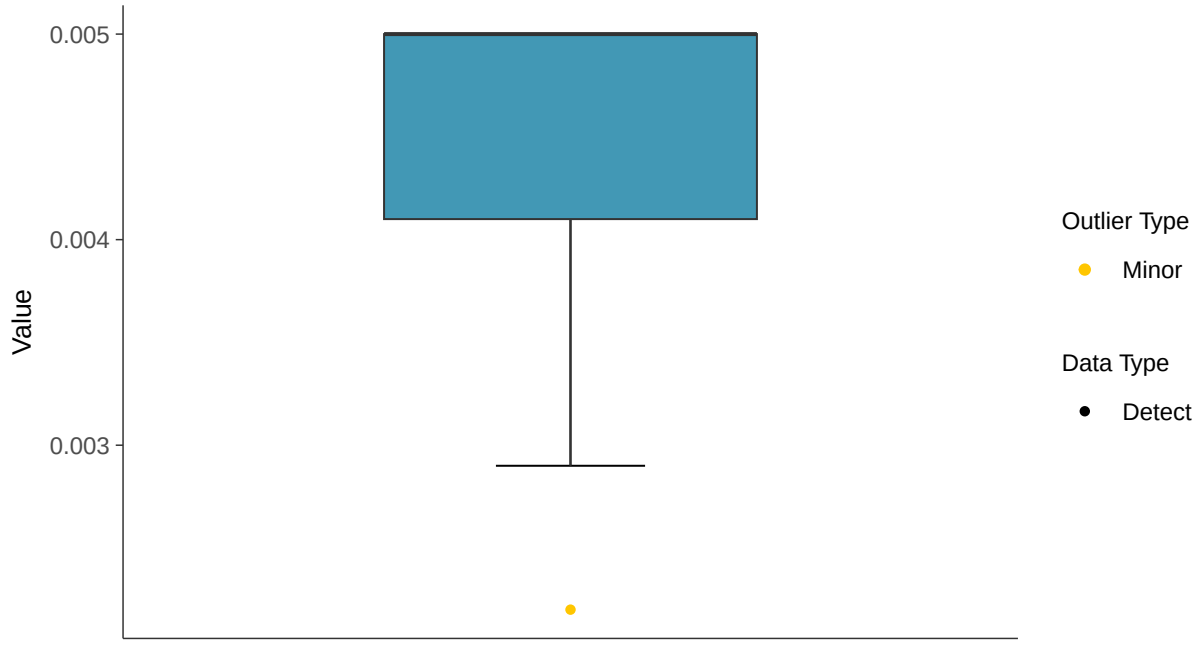
ID: 12_5_119





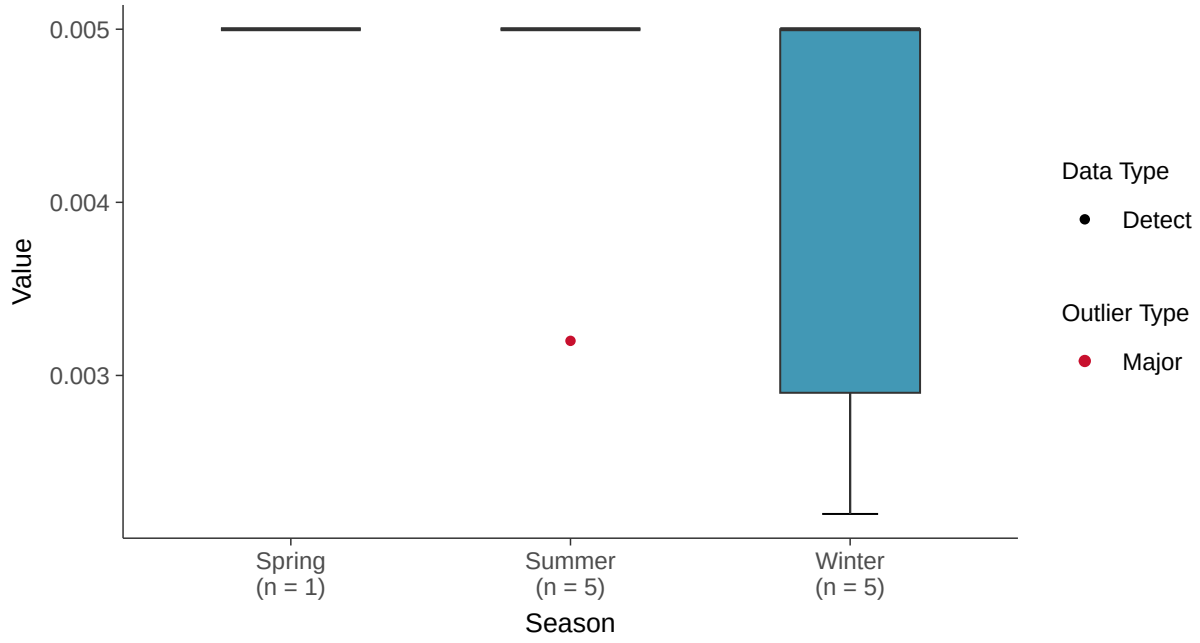
Boxplot

Nickel, MW-3 (mg/l)



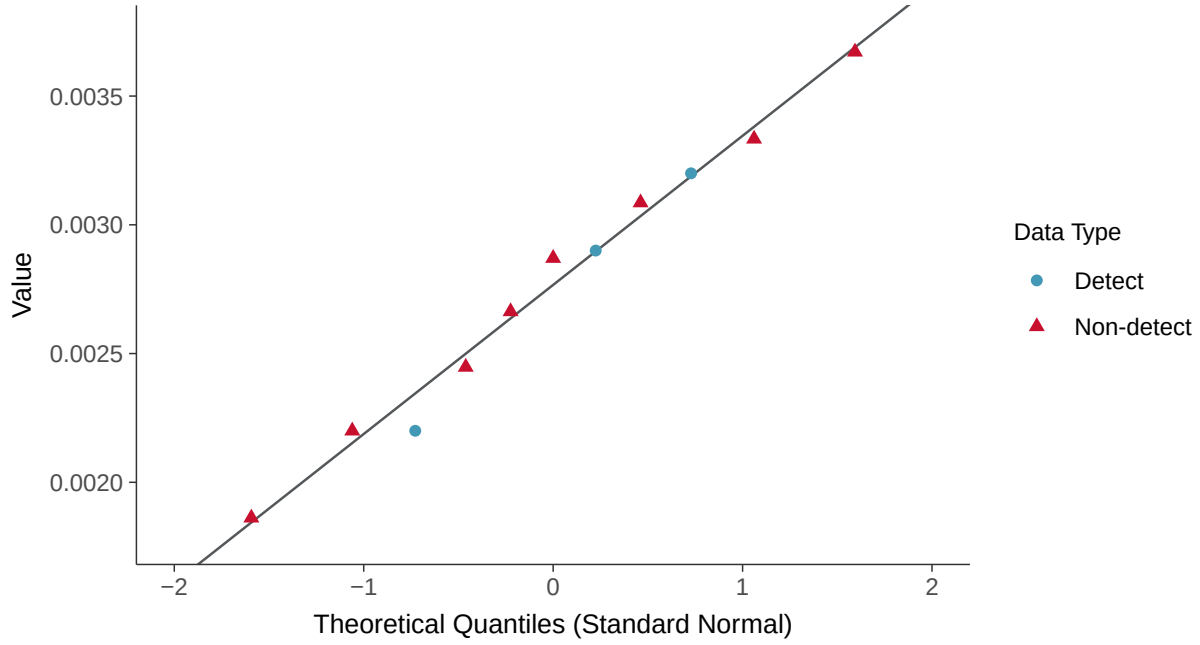
Boxplot by Season

Nickel, MW-3 (mg/l)



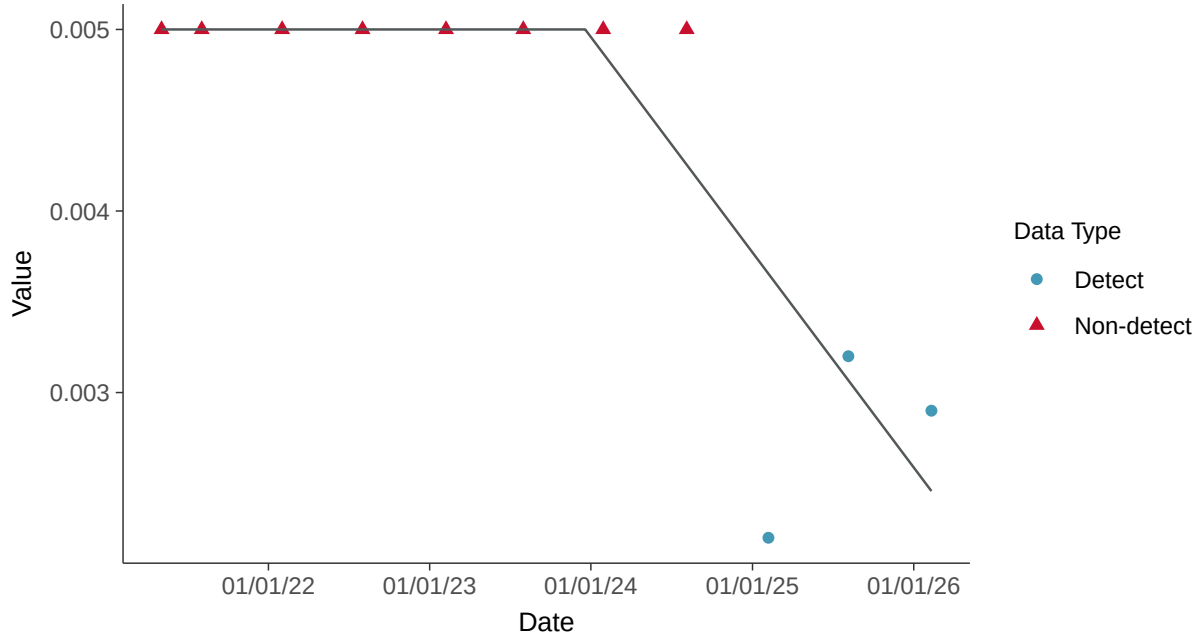
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-3 (mg/l)



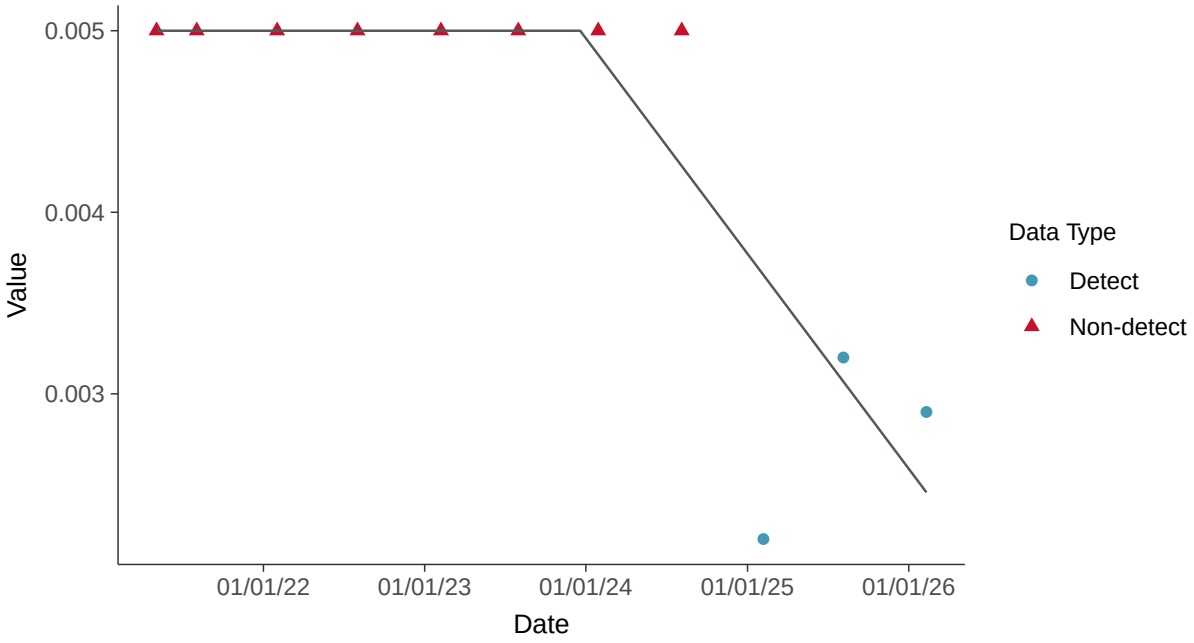
Trend Regression: Piecewise Linear-Linear

Nickel, MW-3 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Nickel, MW-3 (mg/l)

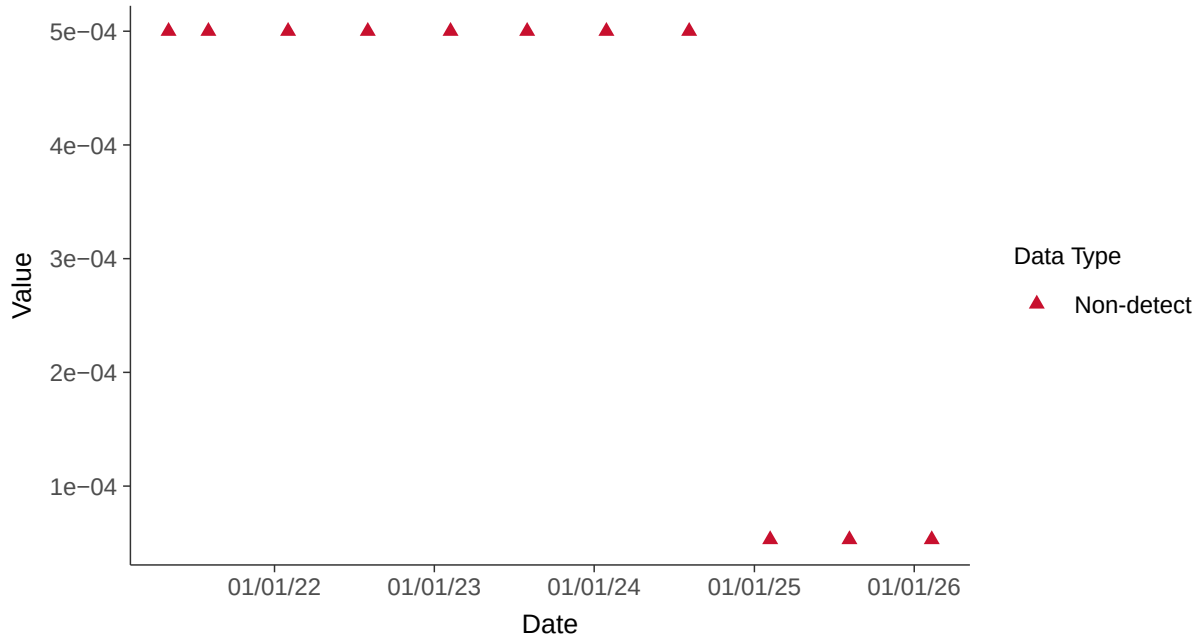


Part 115: Silver, MW-3

ID: 12_5_123

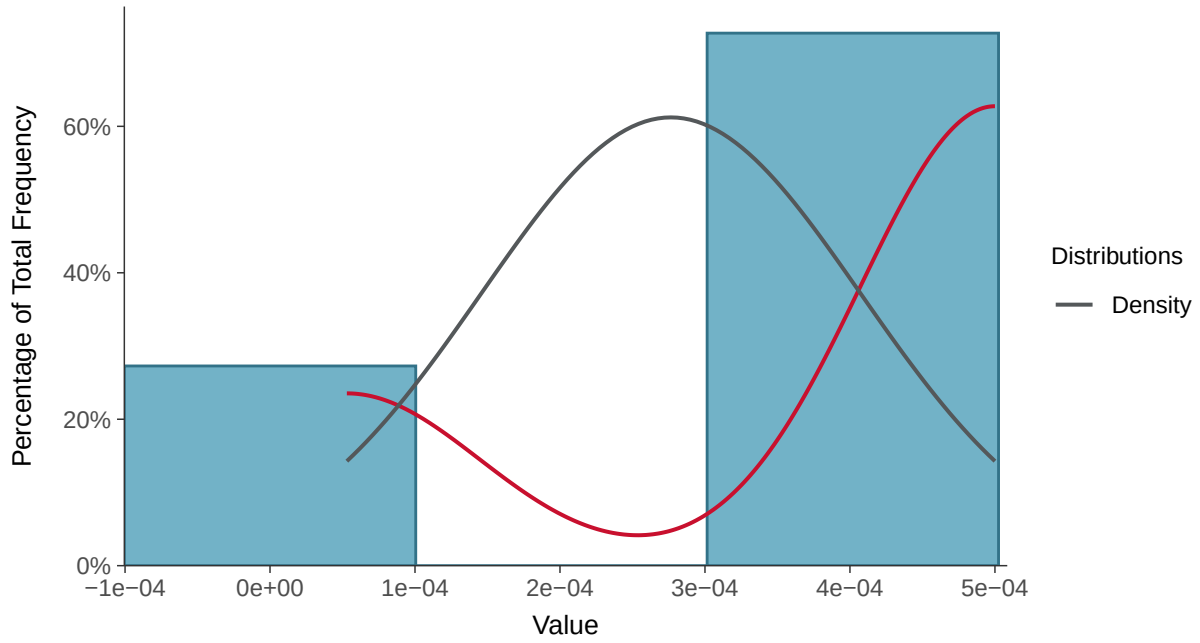
Scatter Plot

Silver, MW-3 (mg/l)



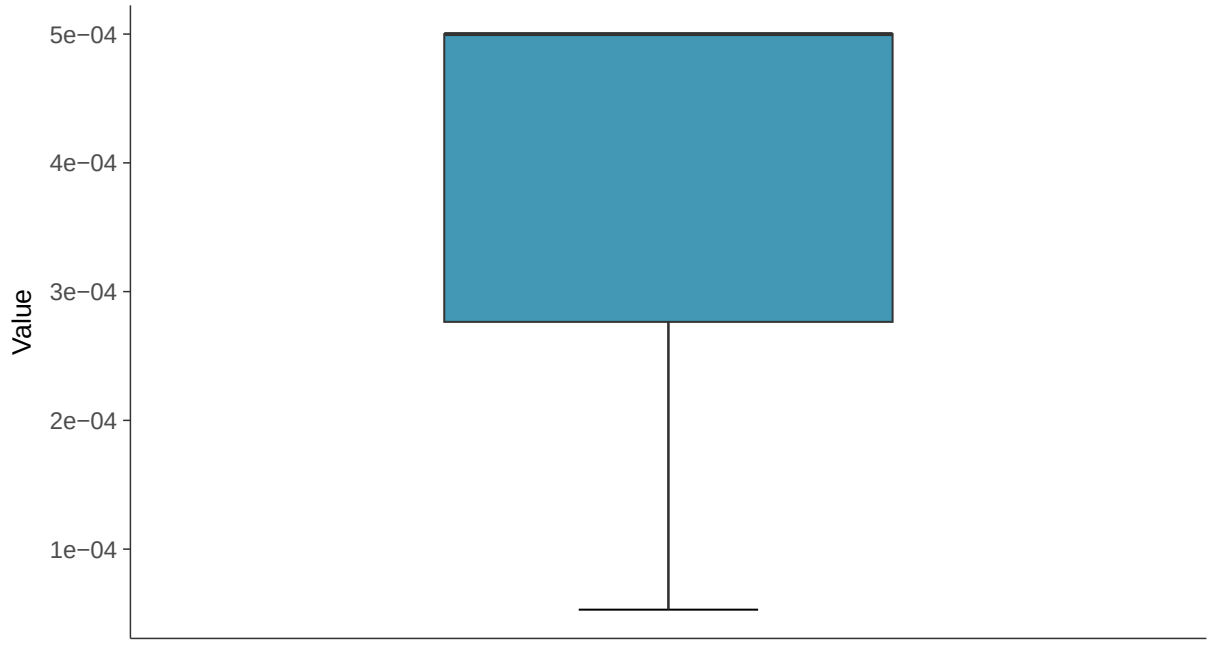
Histogram

Silver, MW-3 (mg/l)



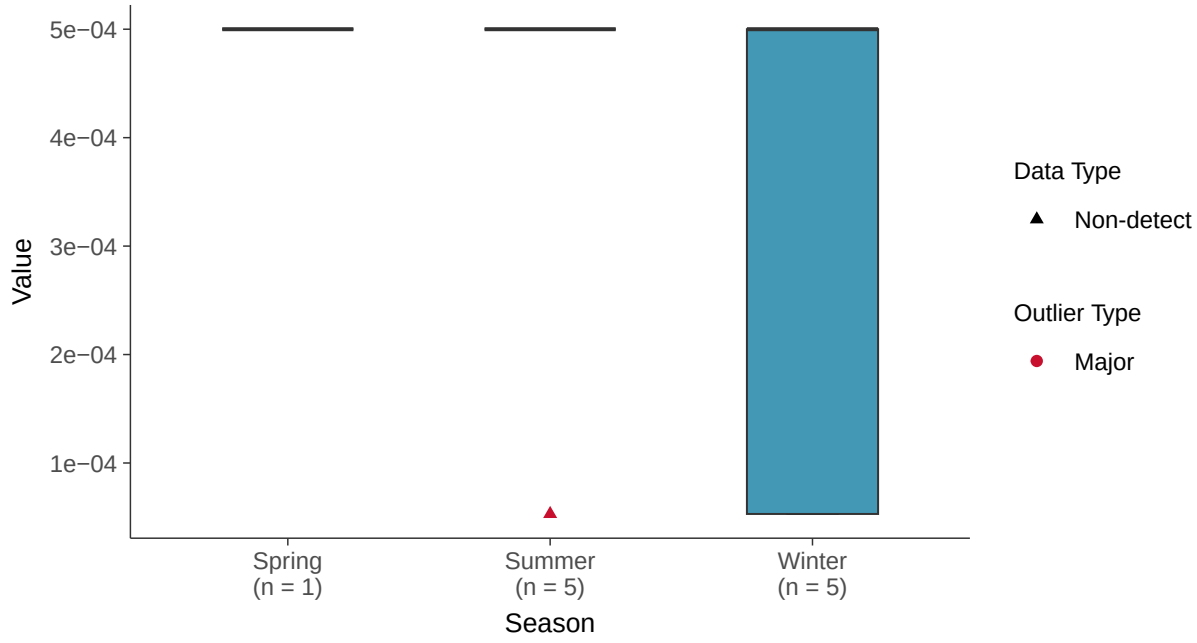
Boxplot

Silver, MW-3 (mg/l)



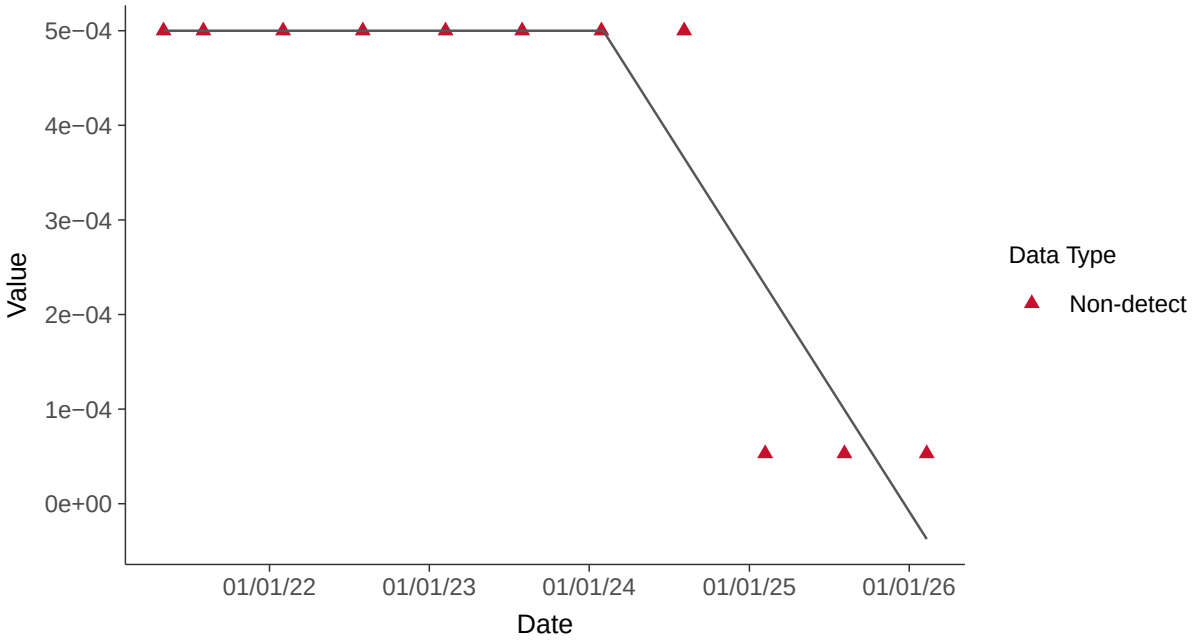
Boxplot by Season

Silver, MW-3 (mg/l)



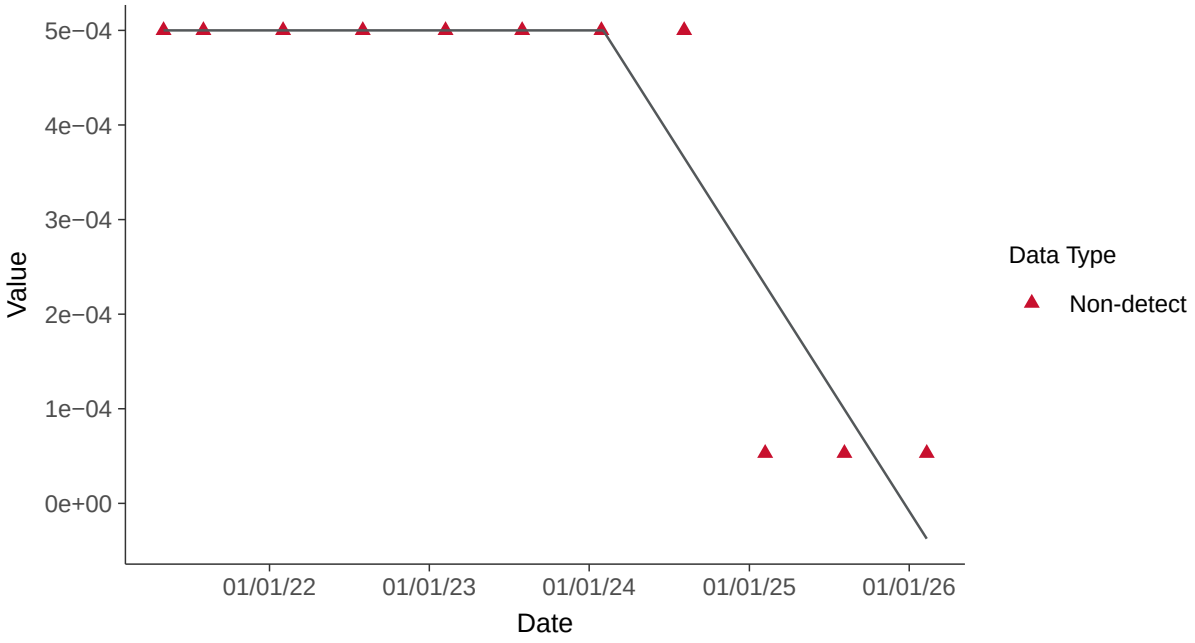
Trend Regression: Piecewise Linear-Linear

Silver, MW-3 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Silver, MW-3 (mg/l)

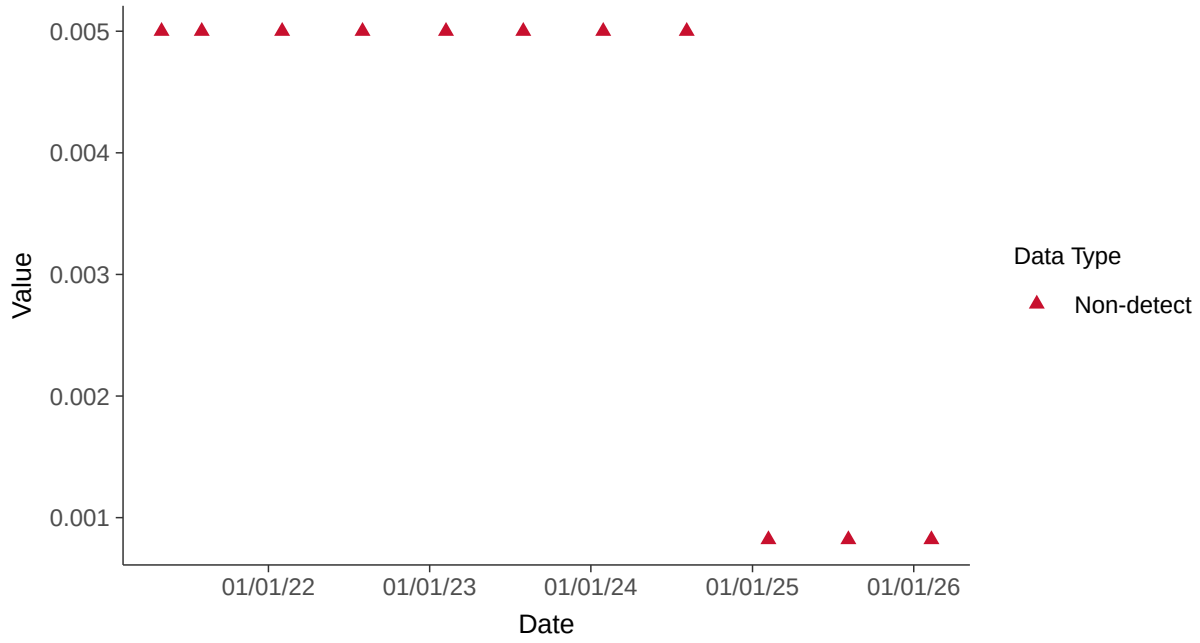


Part 115: Vanadium, MW-3

ID: 12_5_128

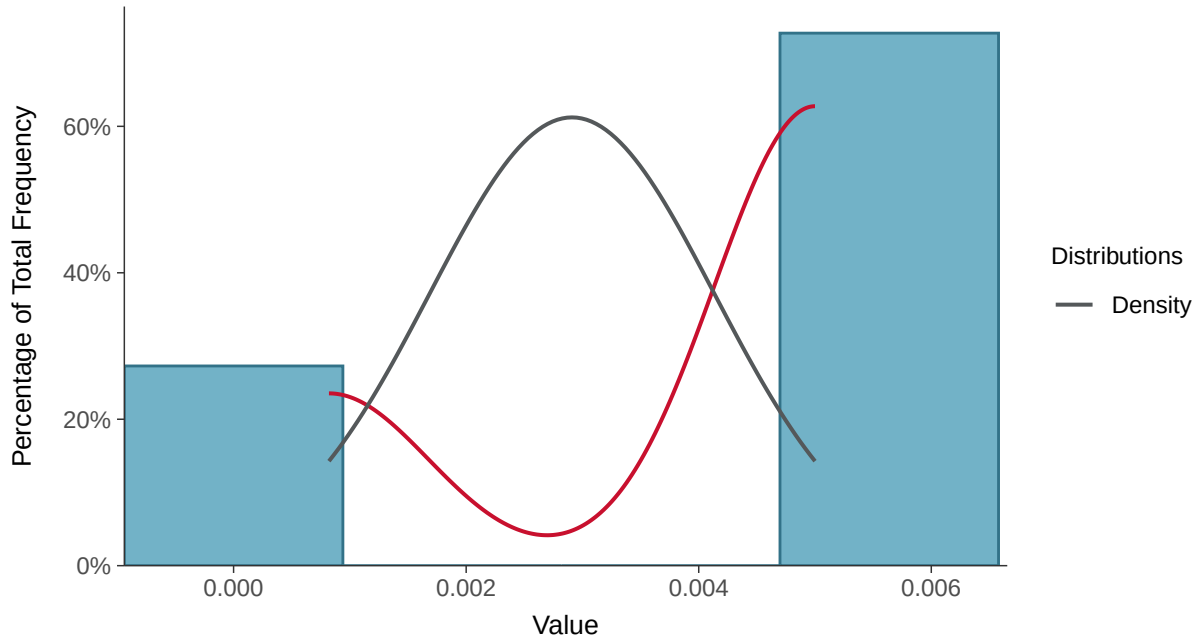
Scatter Plot

Vanadium, MW-3 (mg/l)



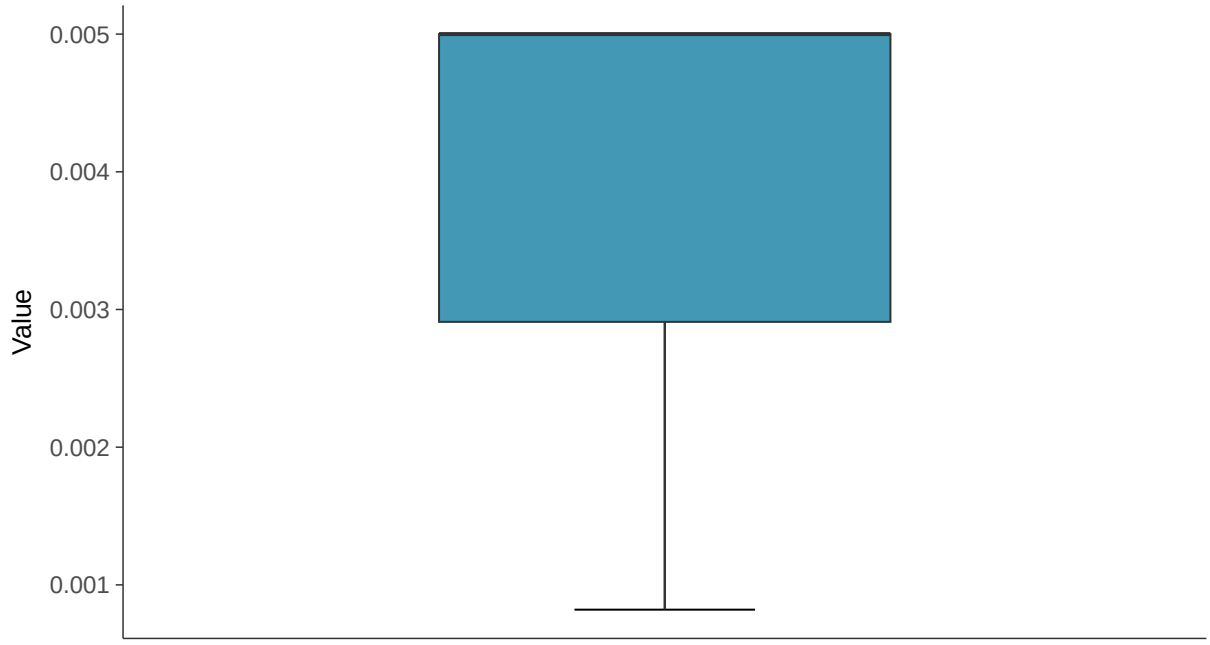
Histogram

Vanadium, MW-3 (mg/l)



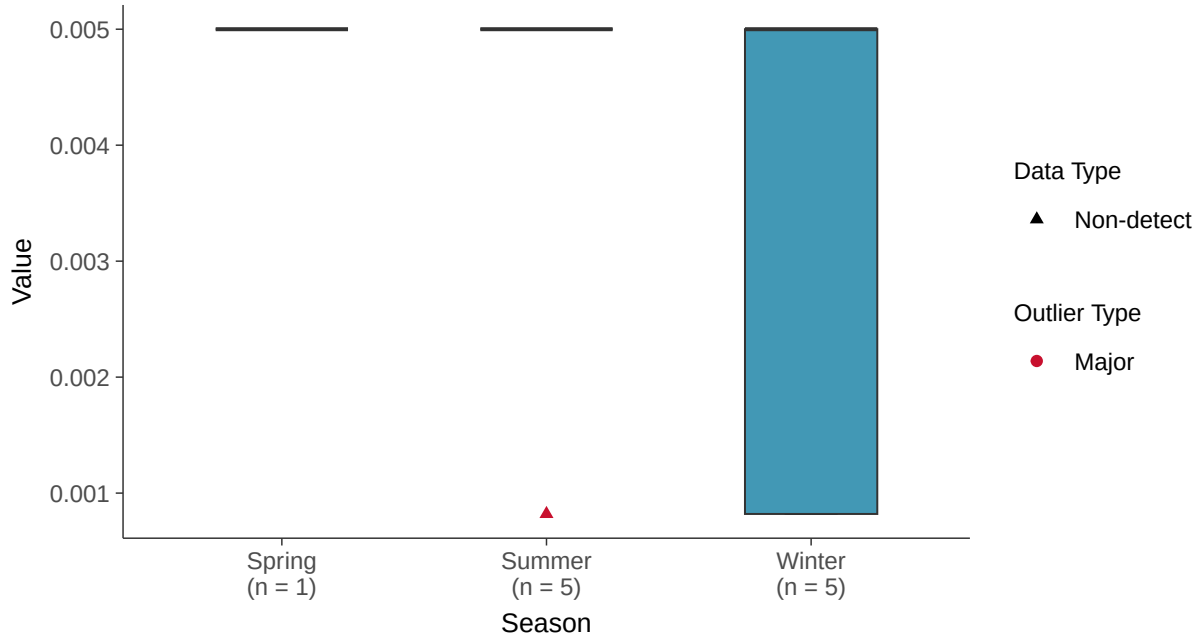
Boxplot

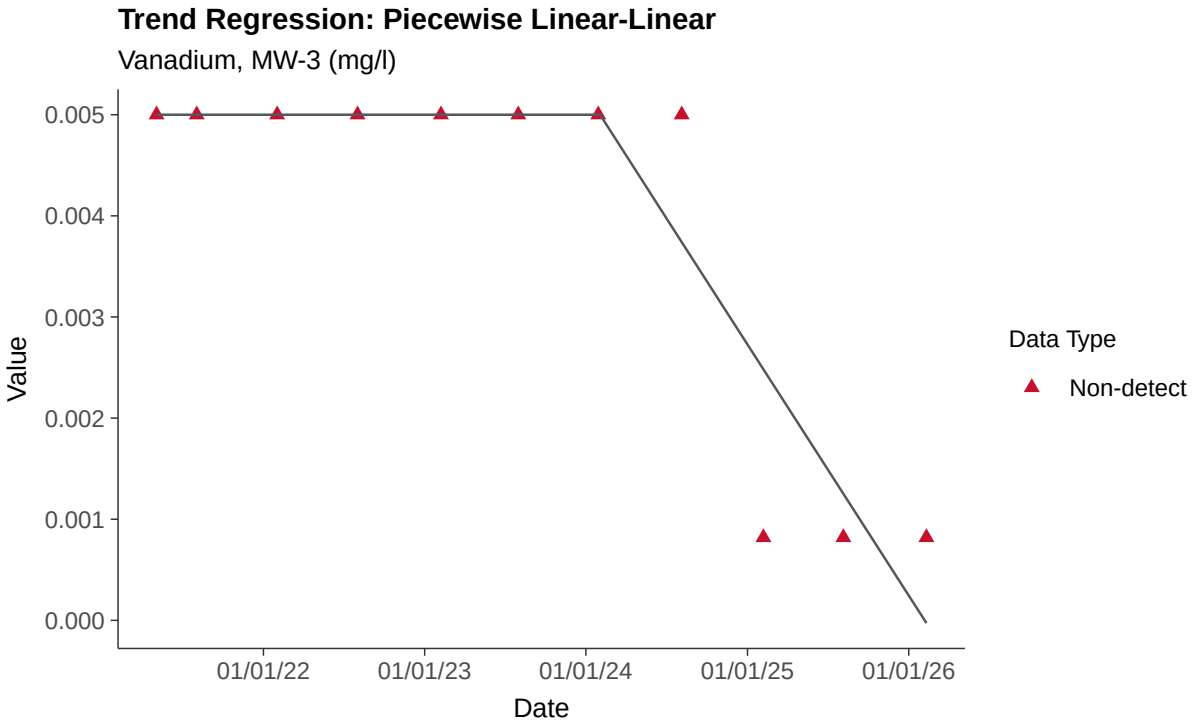
Vanadium, MW-3 (mg/l)



Boxplot by Season

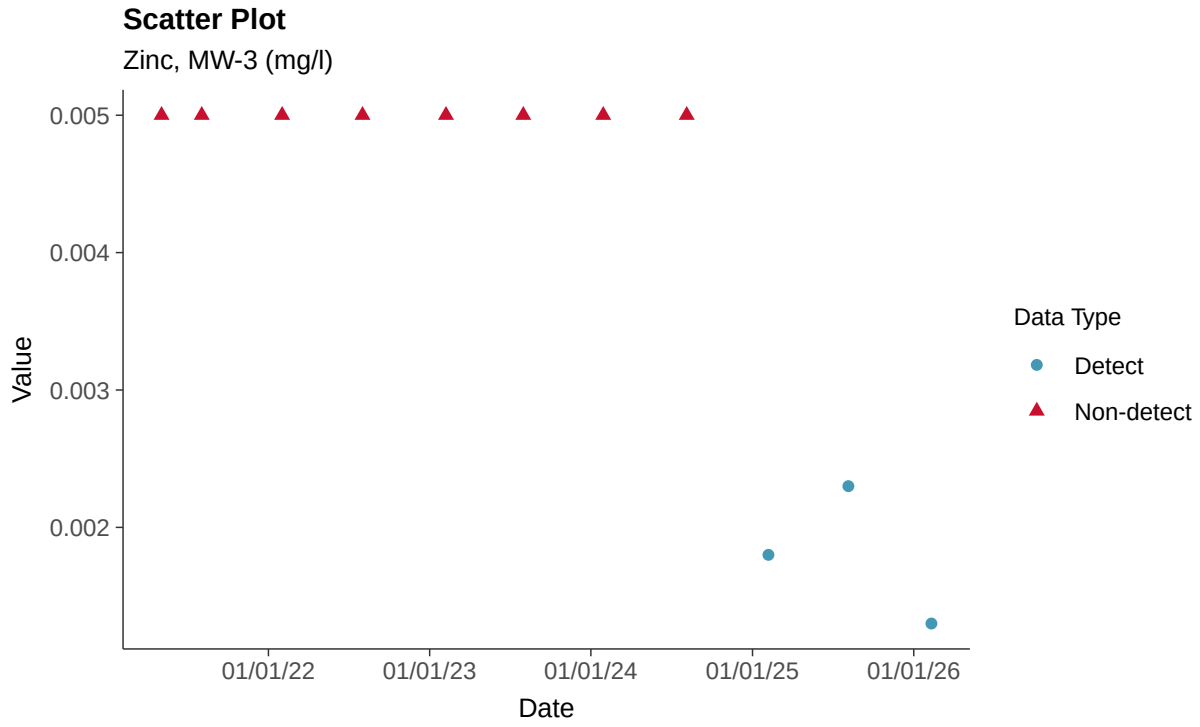
Vanadium, MW-3 (mg/l)

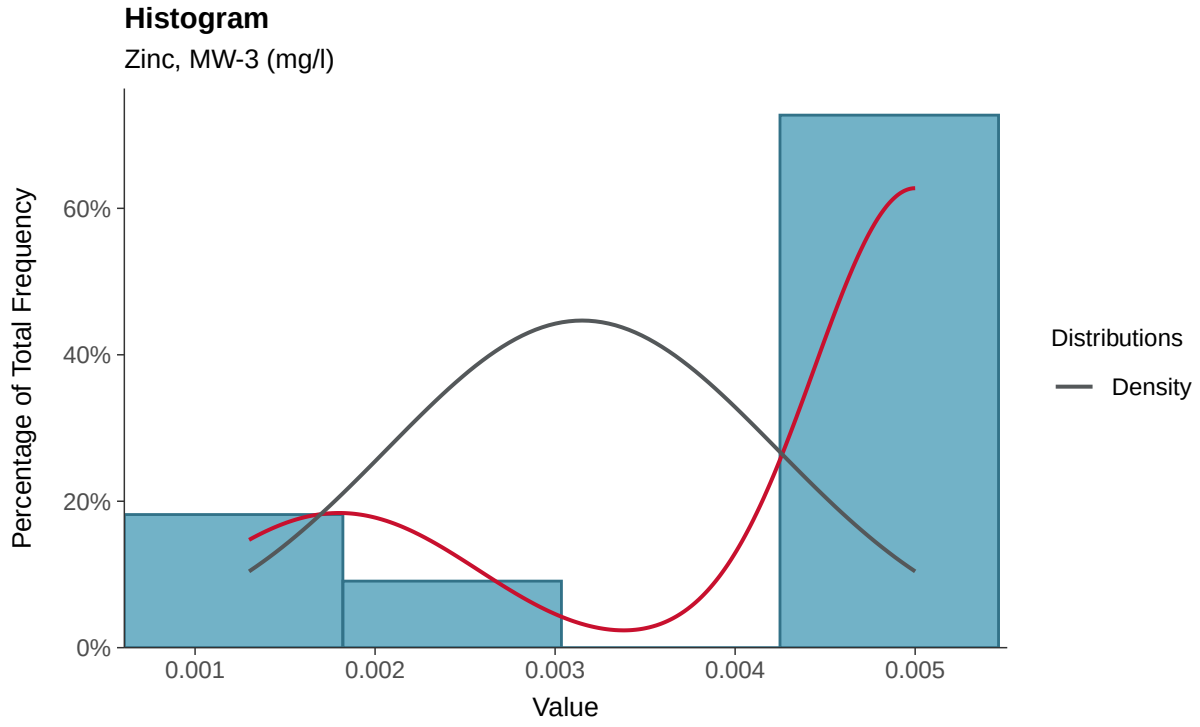



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-3 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-3

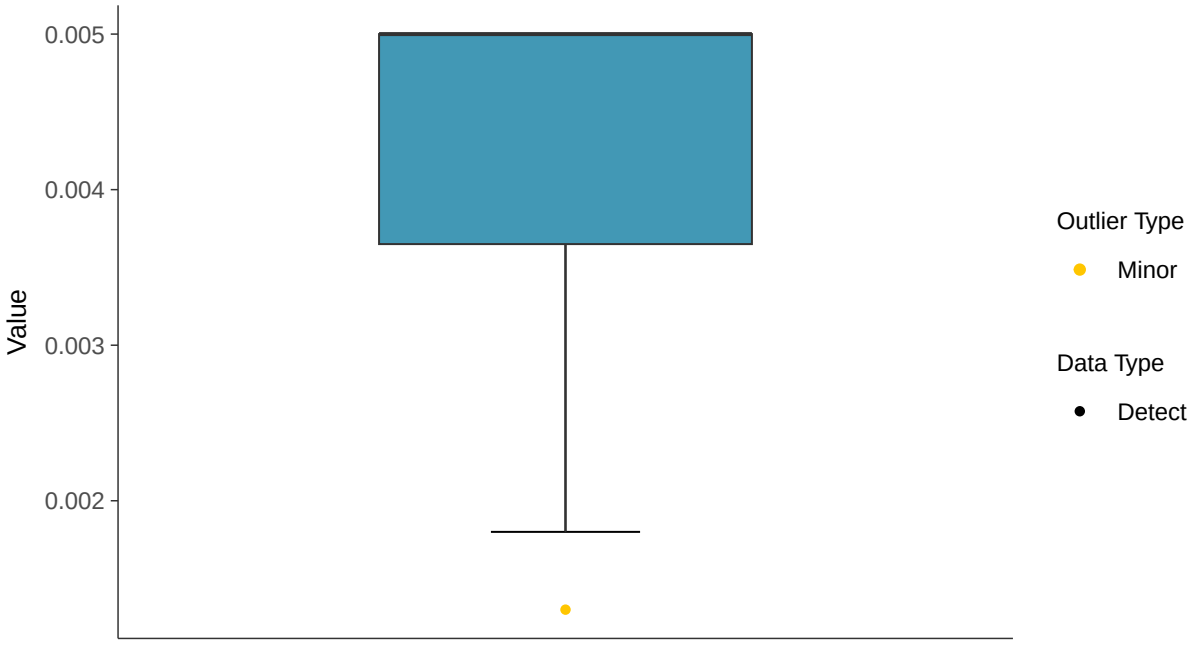
ID: 12_5_129





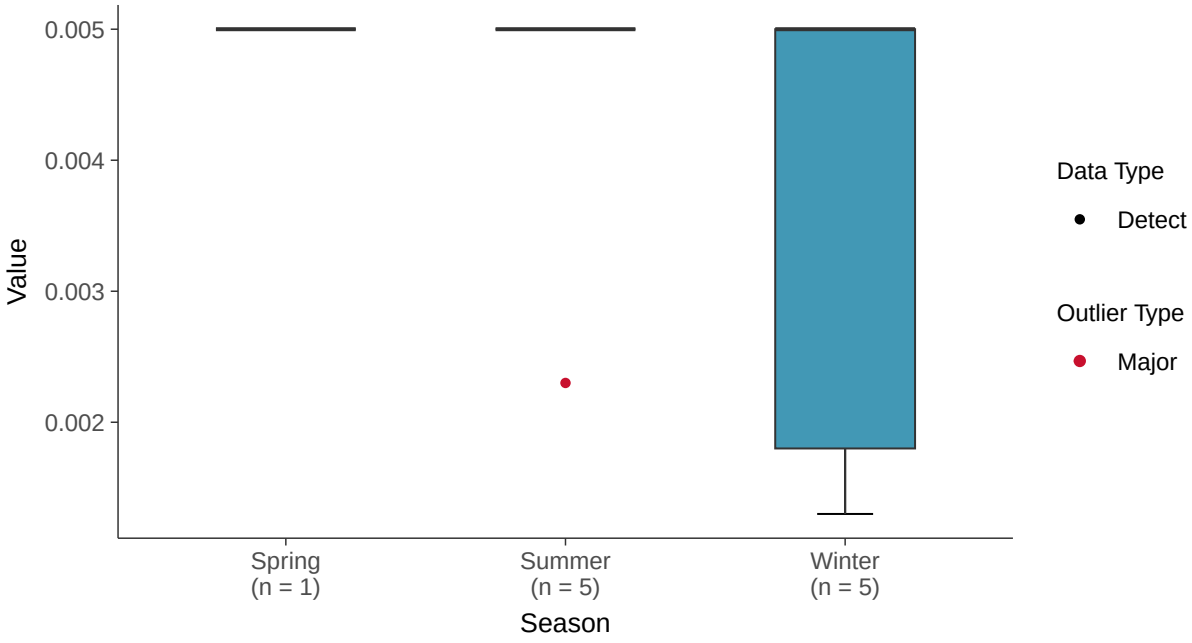
Boxplot

Zinc, MW-3 (mg/l)



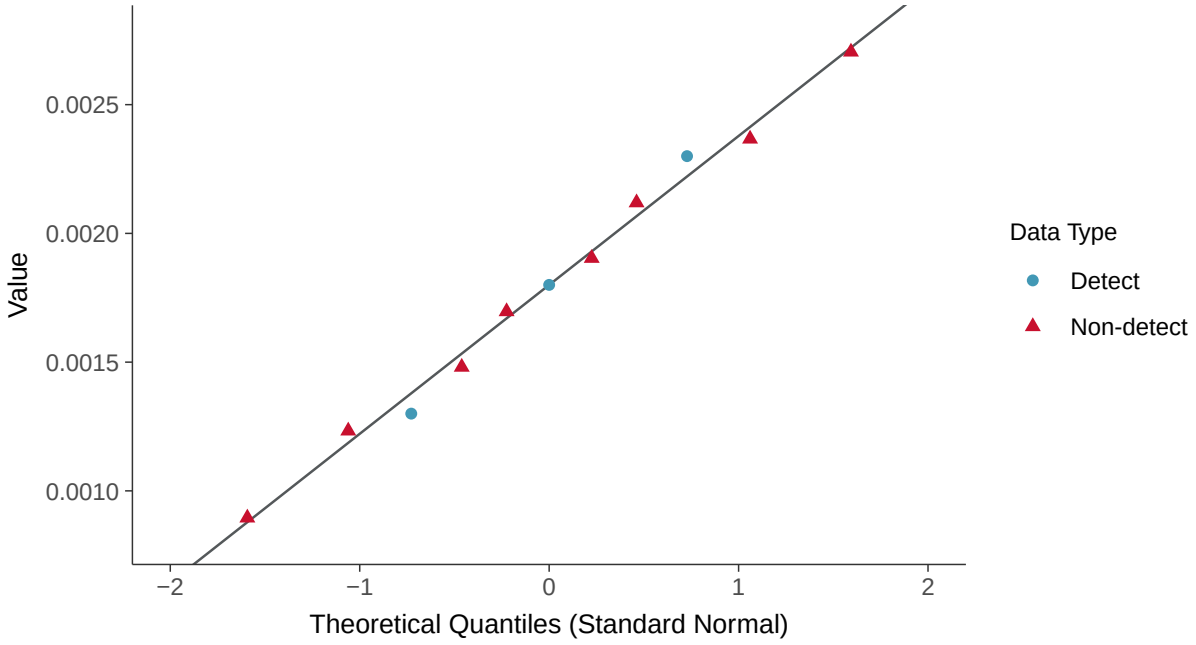
Boxplot by Season

Zinc, MW-3 (mg/l)



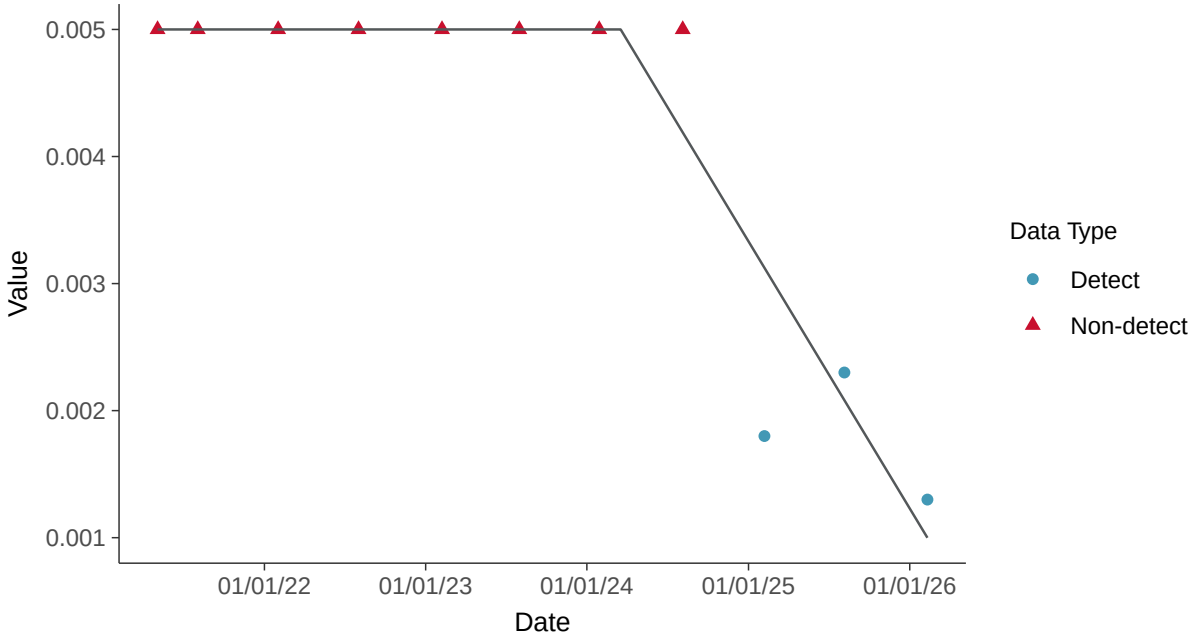
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-3 (mg/l)



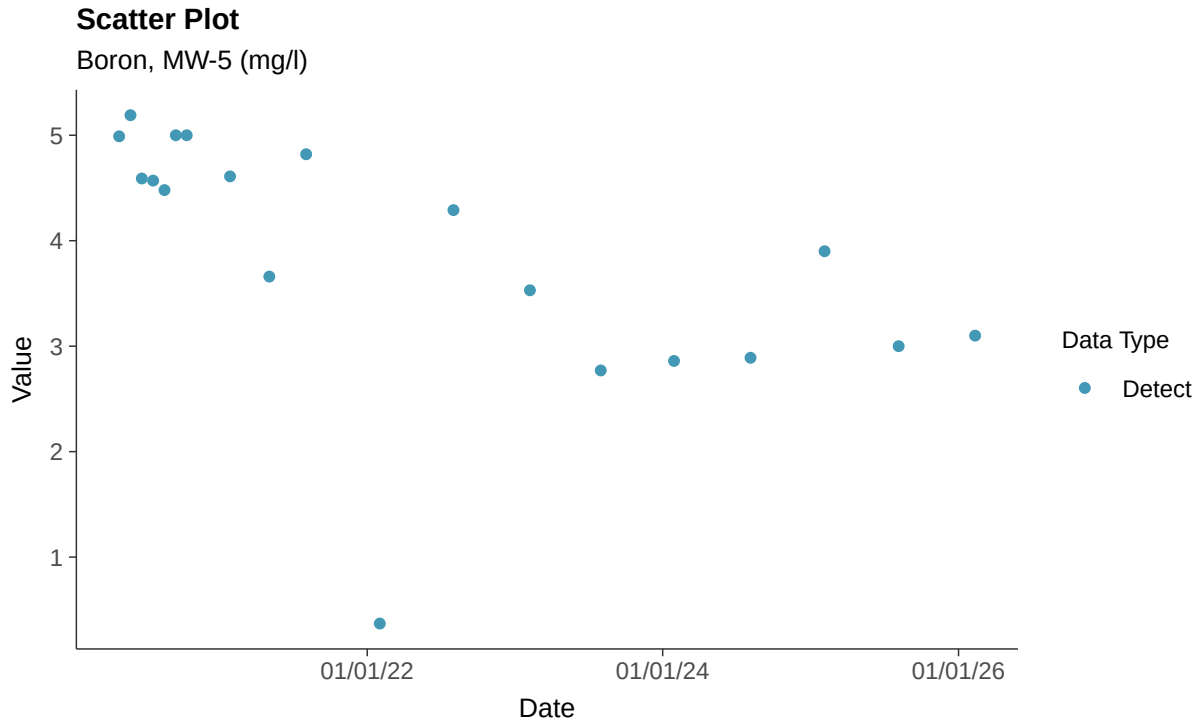
Trend Regression: Piecewise Linear-Linear

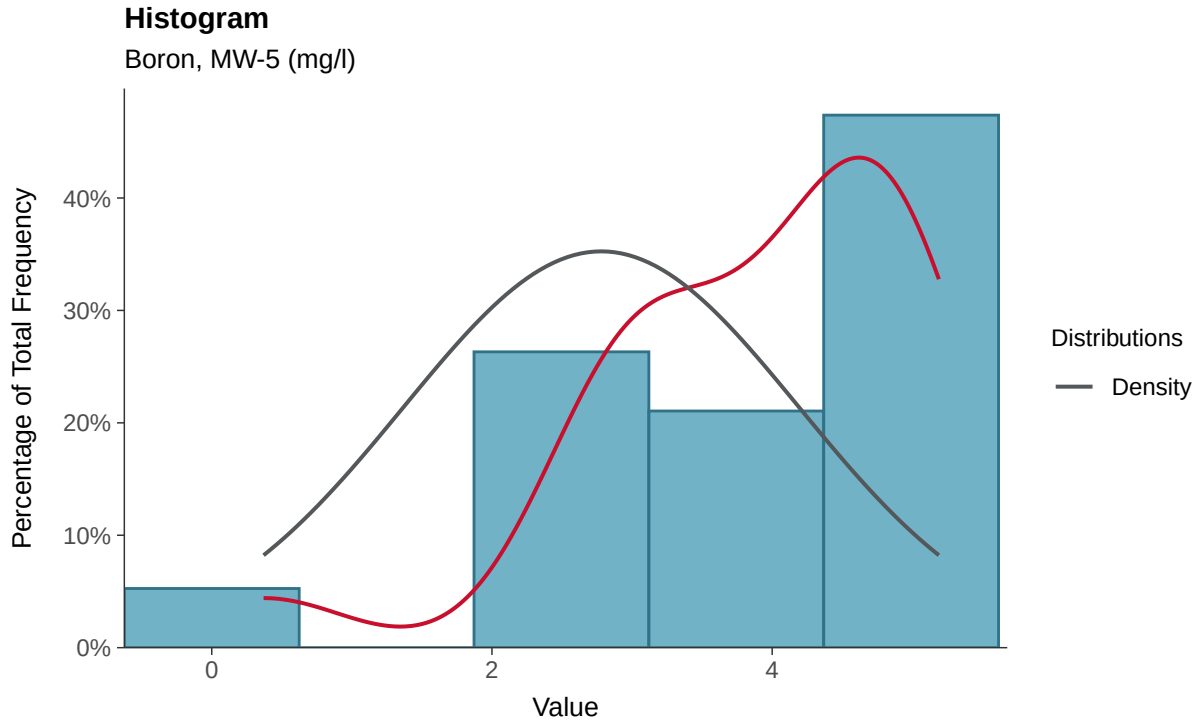
Zinc, MW-3 (mg/l)



Appendix III: Boron, MW-5

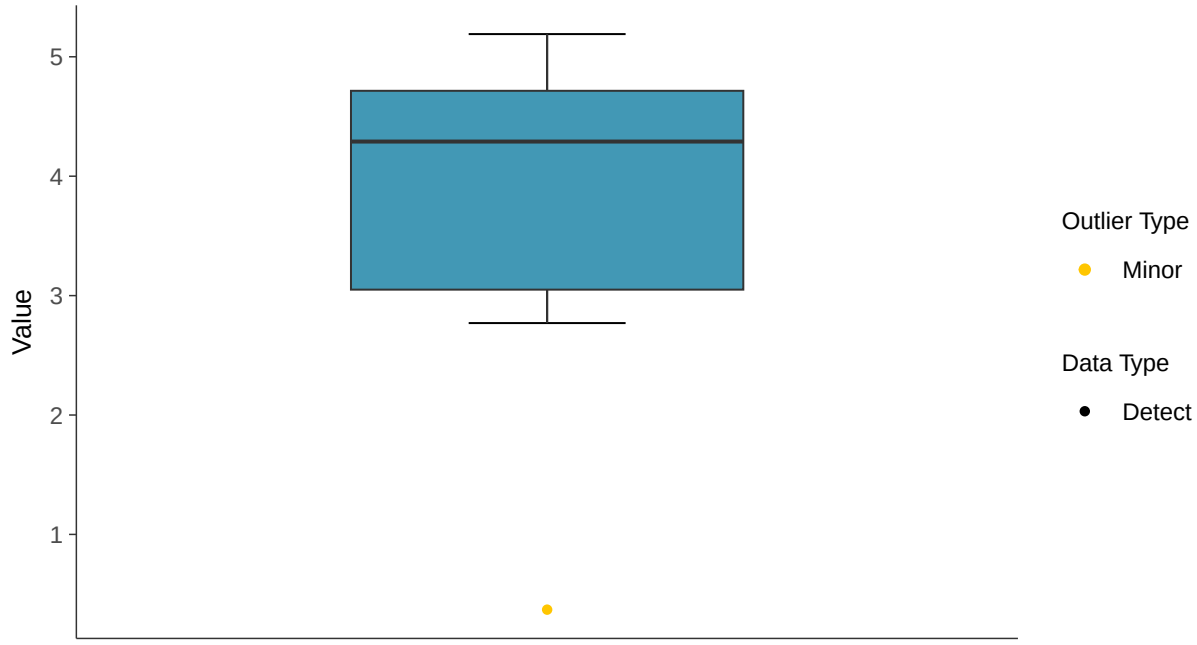
ID: 13_2_105





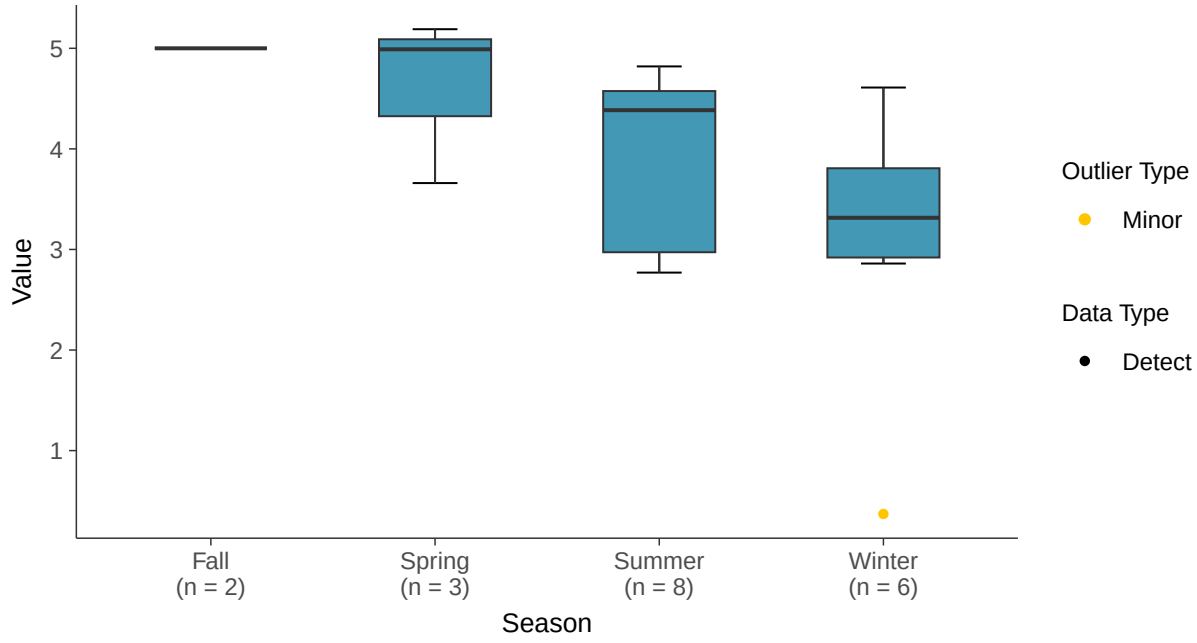
Boxplot

Boron, MW-5 (mg/l)



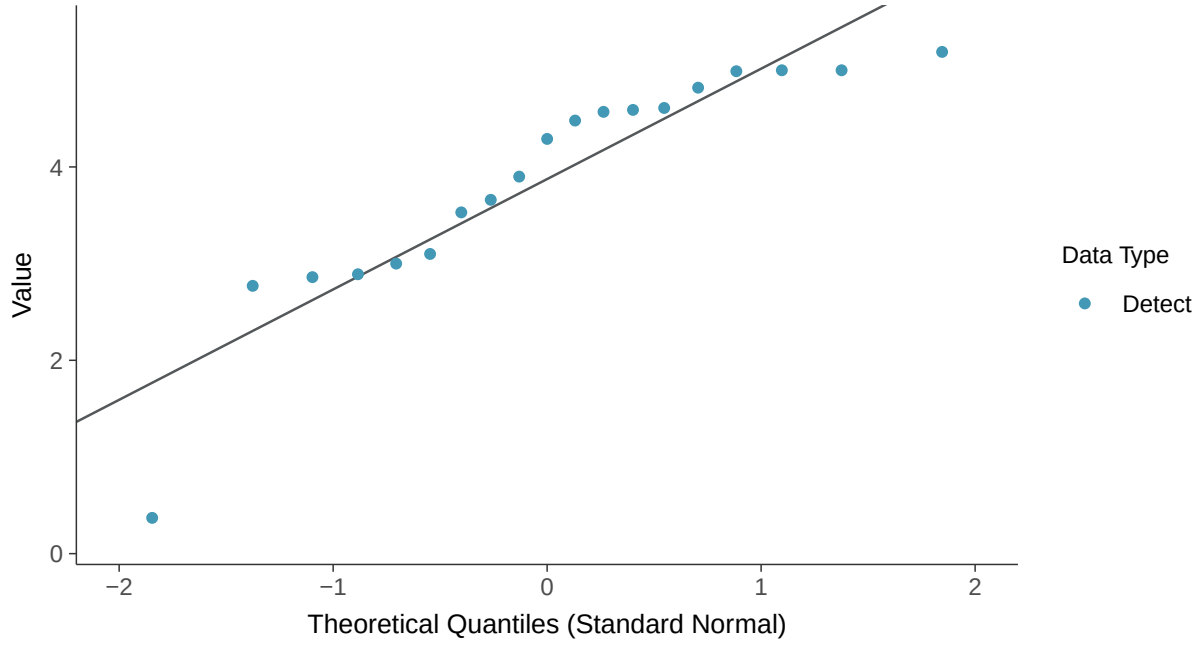
Boxplot by Season

Boron, MW-5 (mg/l)



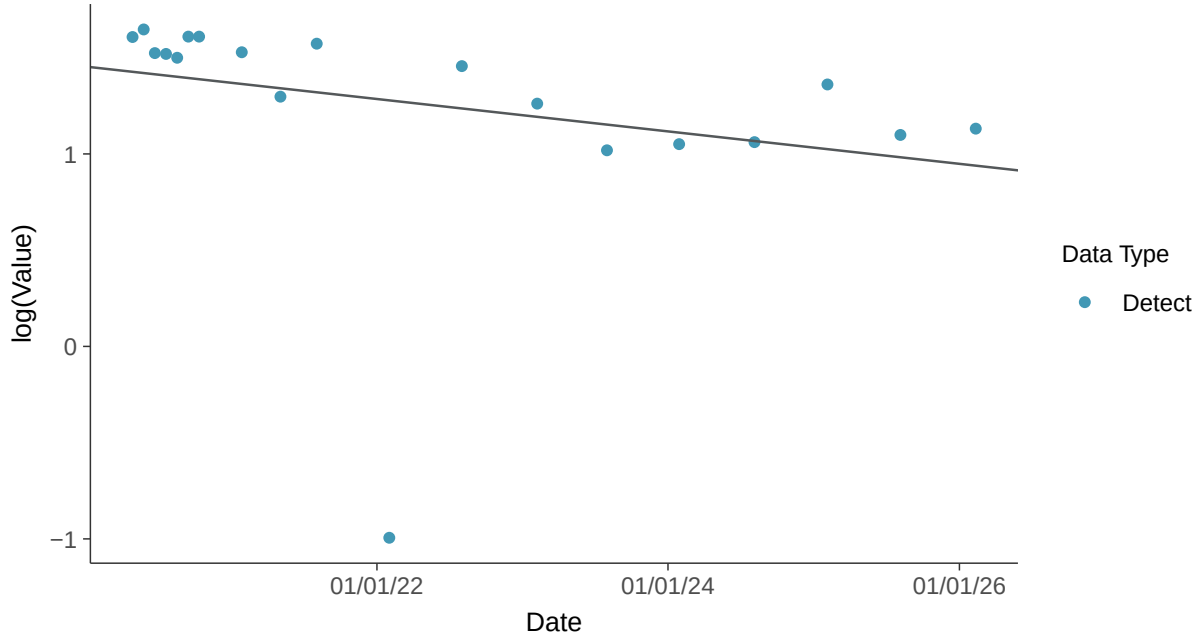
Normal Q-Q plot

Boron, MW-5 (mg/l)



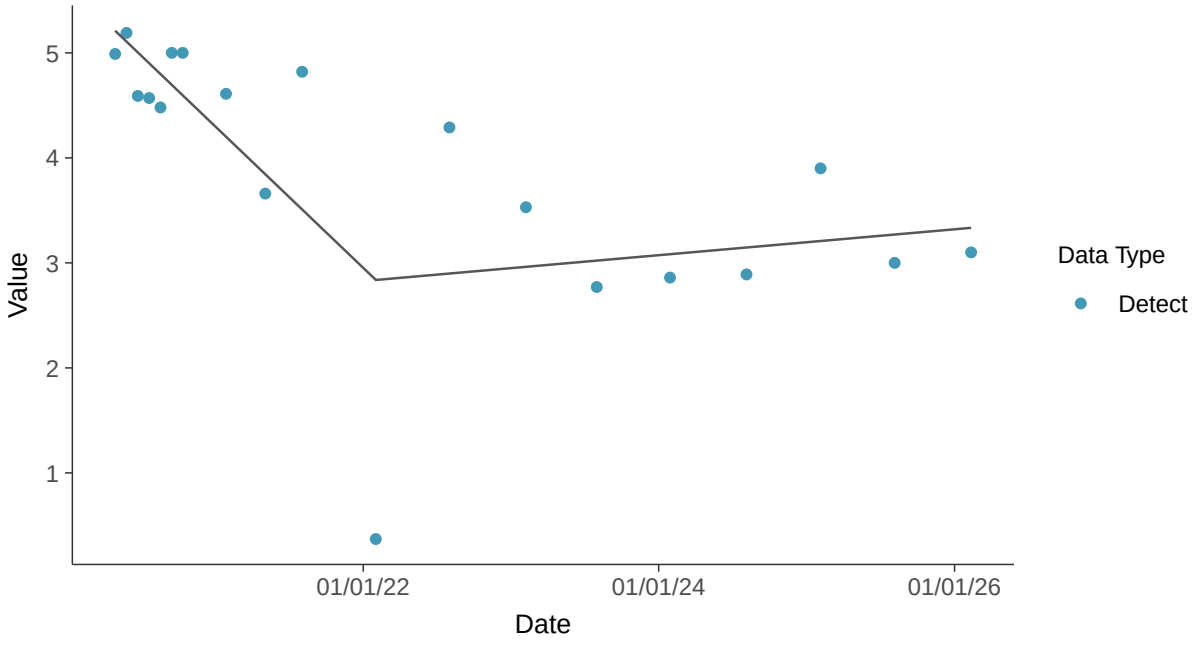
Trend Regression: Lognormal MLE

Boron, MW-5 (mg/l)



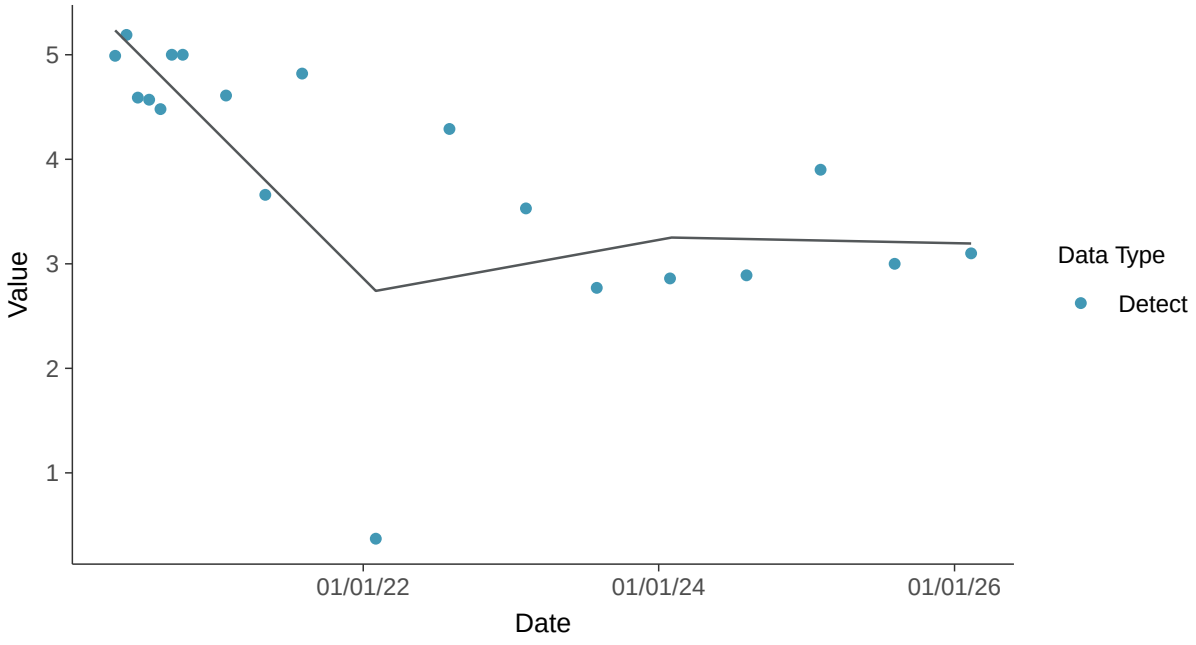
Trend Regression: Piecewise Linear-Linear

Boron, MW-5 (mg/l)



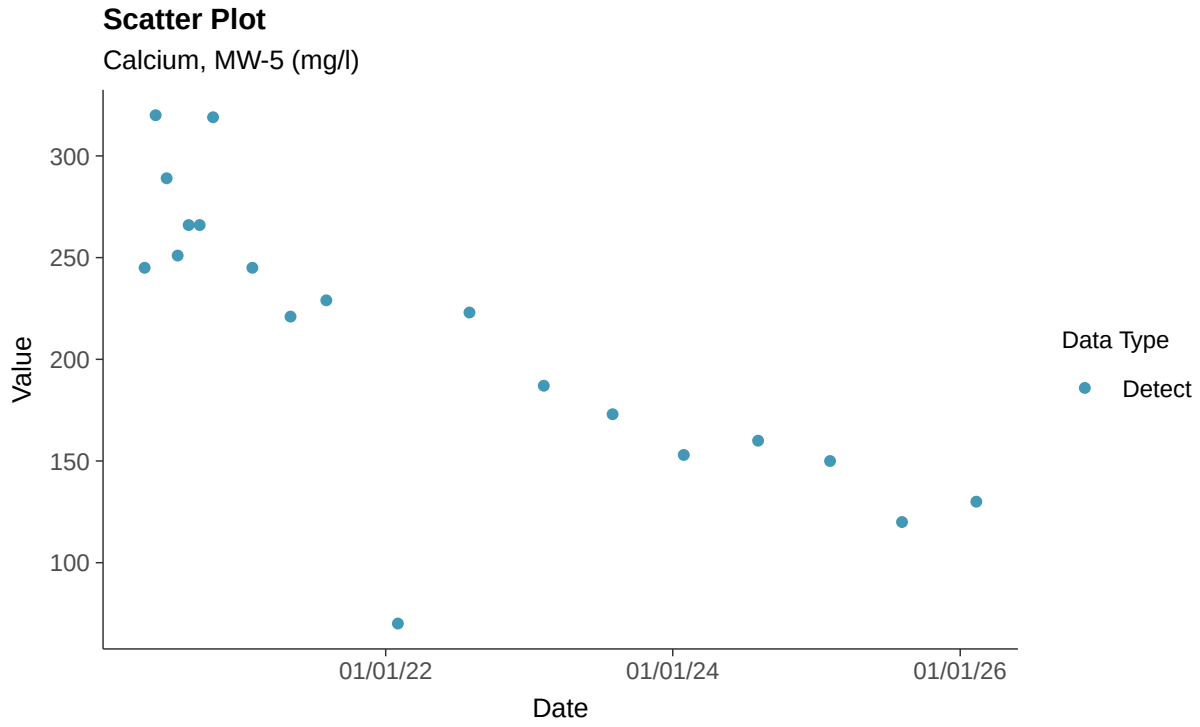
Trend Regression: Piecewise Linear-Linear-Linear

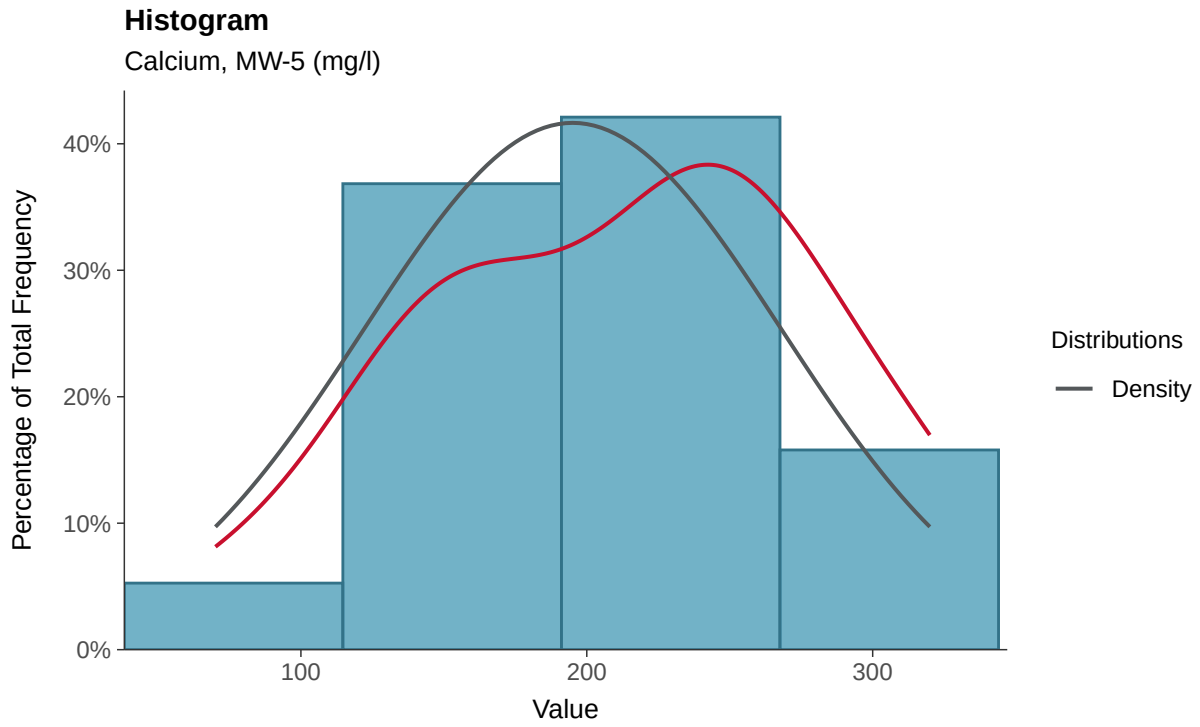
Boron, MW-5 (mg/l)



Appendix III: Calcium, MW-5

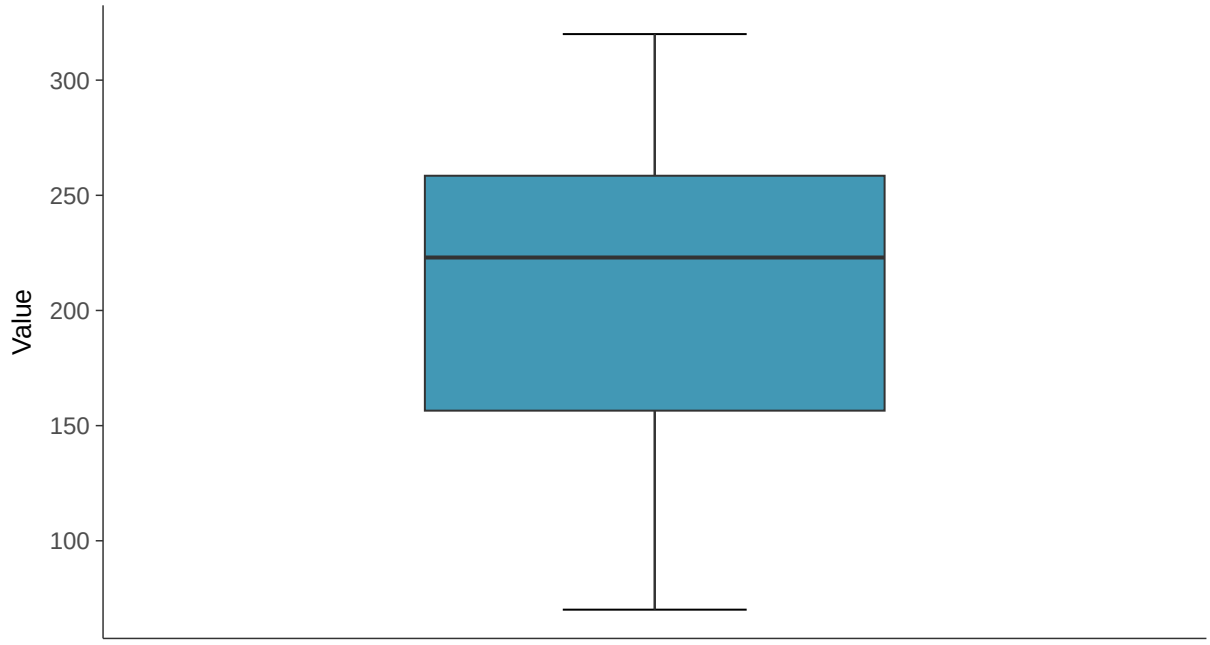
ID: 13_2_107





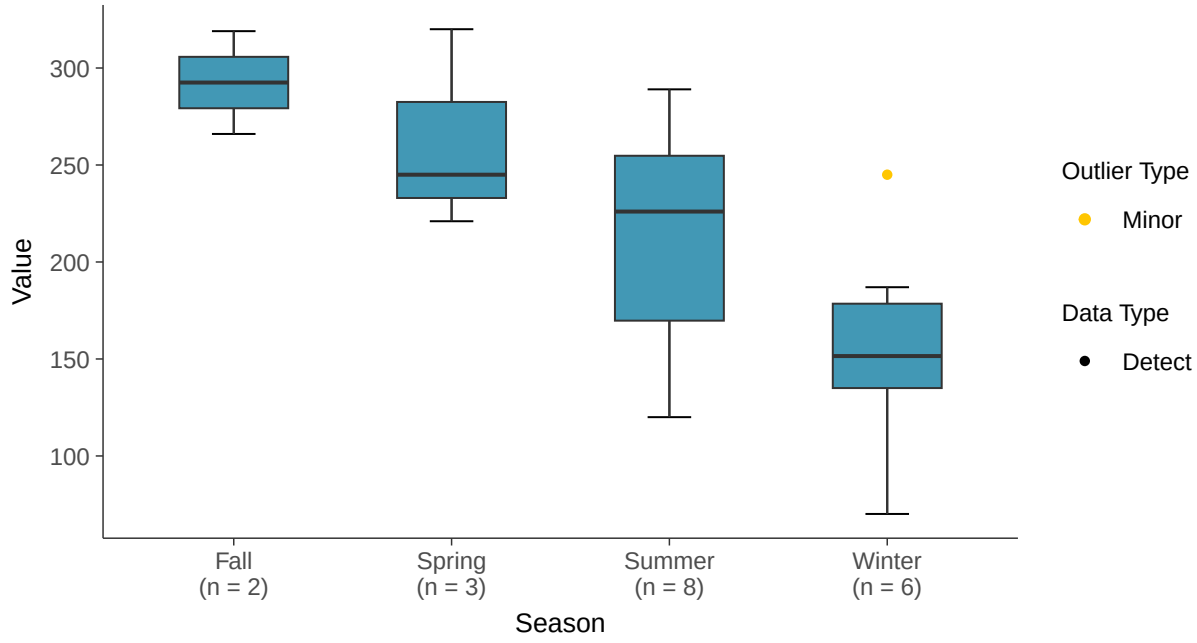
Boxplot

Calcium, MW-5 (mg/l)



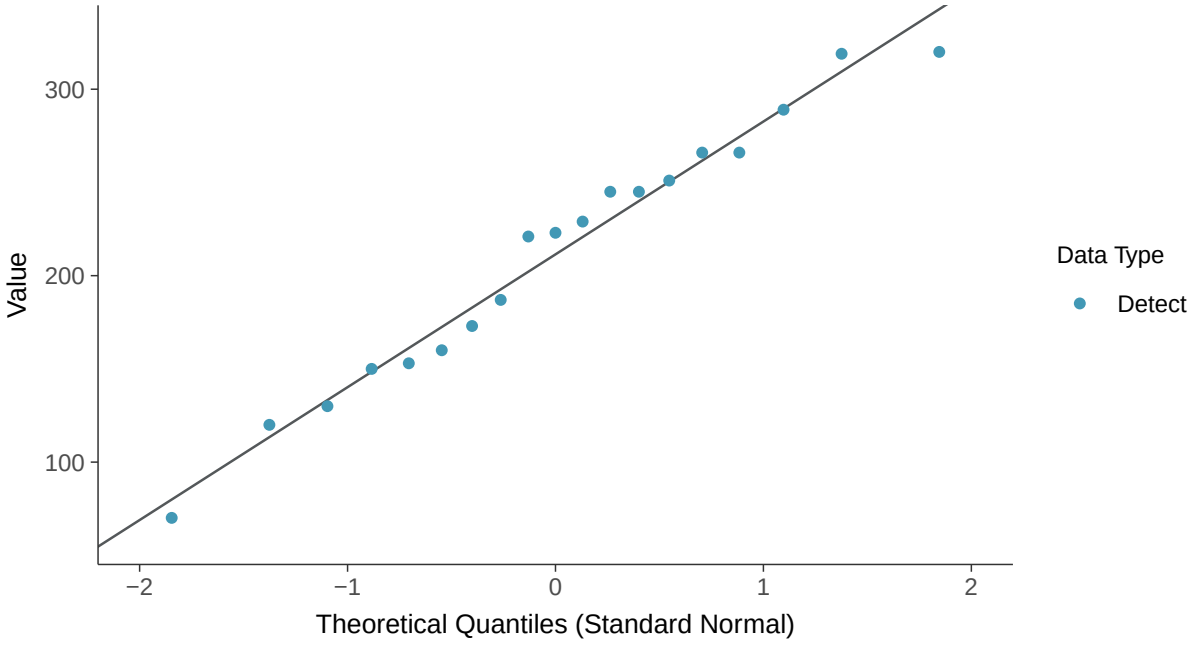
Boxplot by Season

Calcium, MW-5 (mg/l)



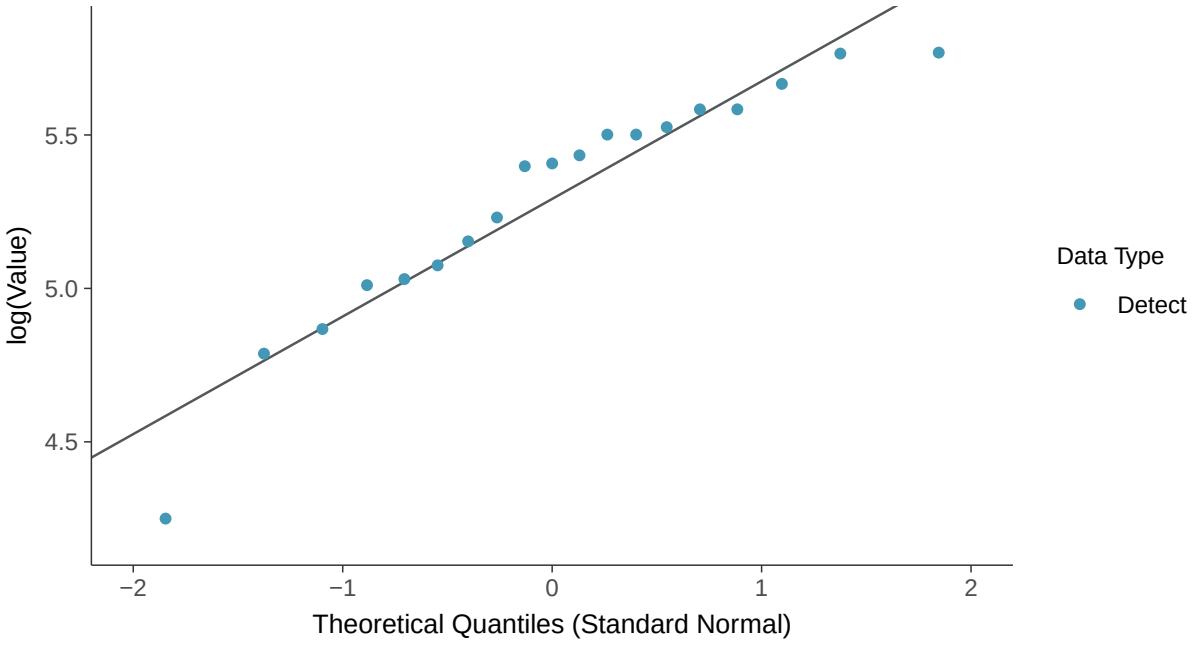
Normal Q-Q plot

Calcium, MW-5 (mg/l)



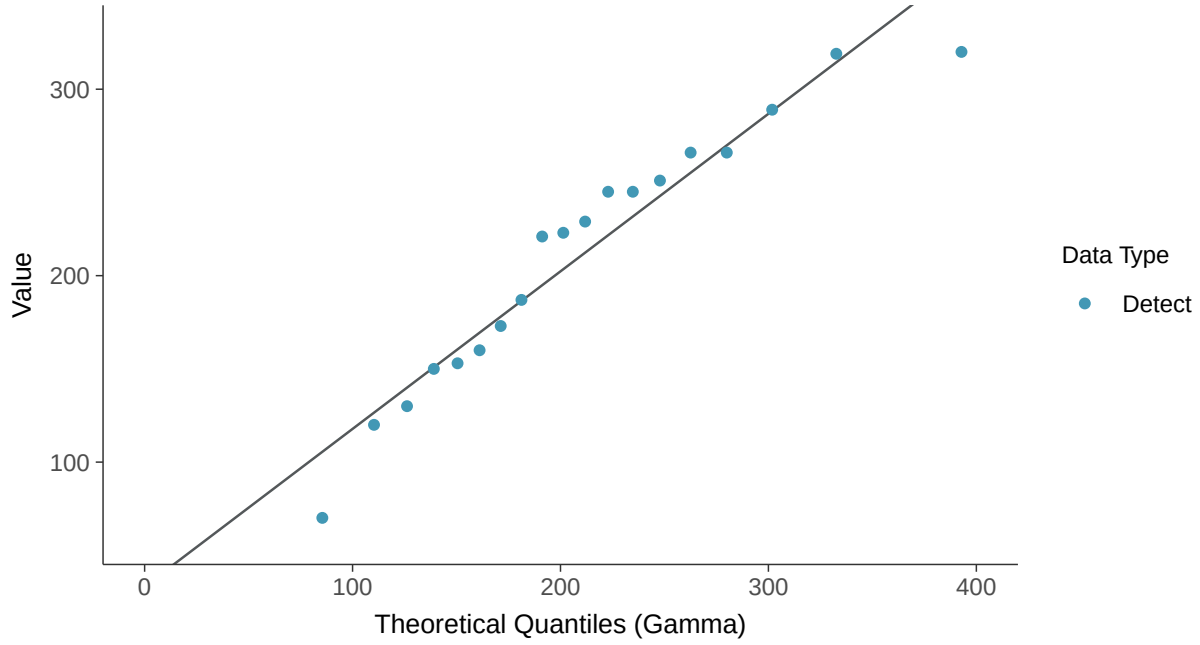
Lognormal Q-Q plot

Calcium, MW-5 (mg/l)



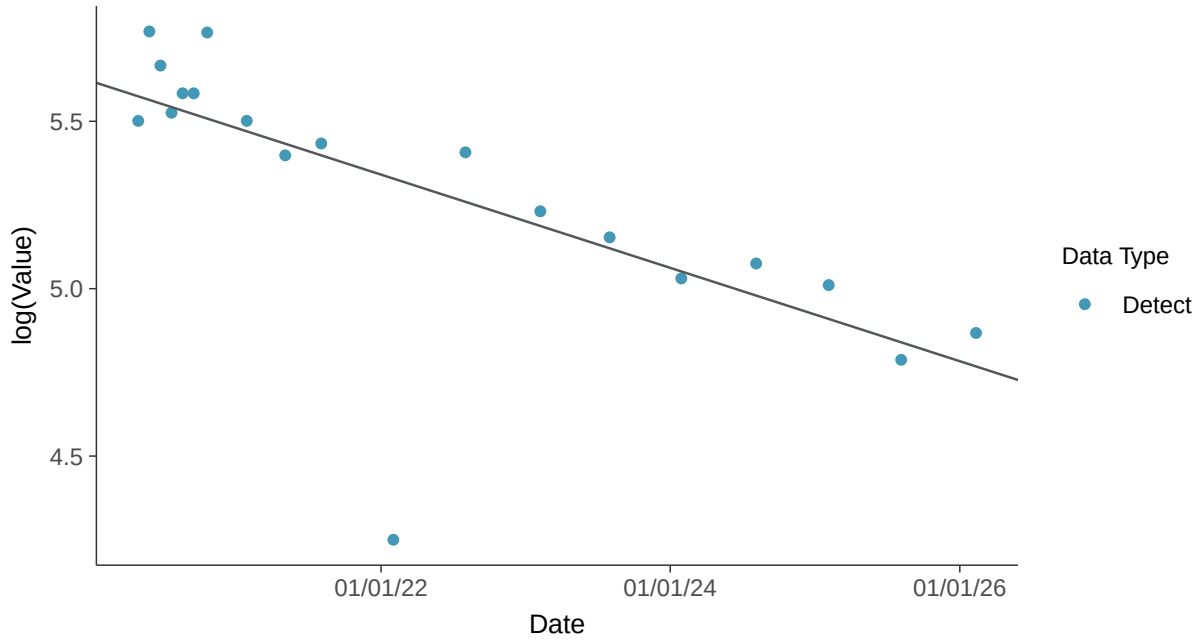
Gamma Q-Q plot

Calcium, MW-5 (mg/l)



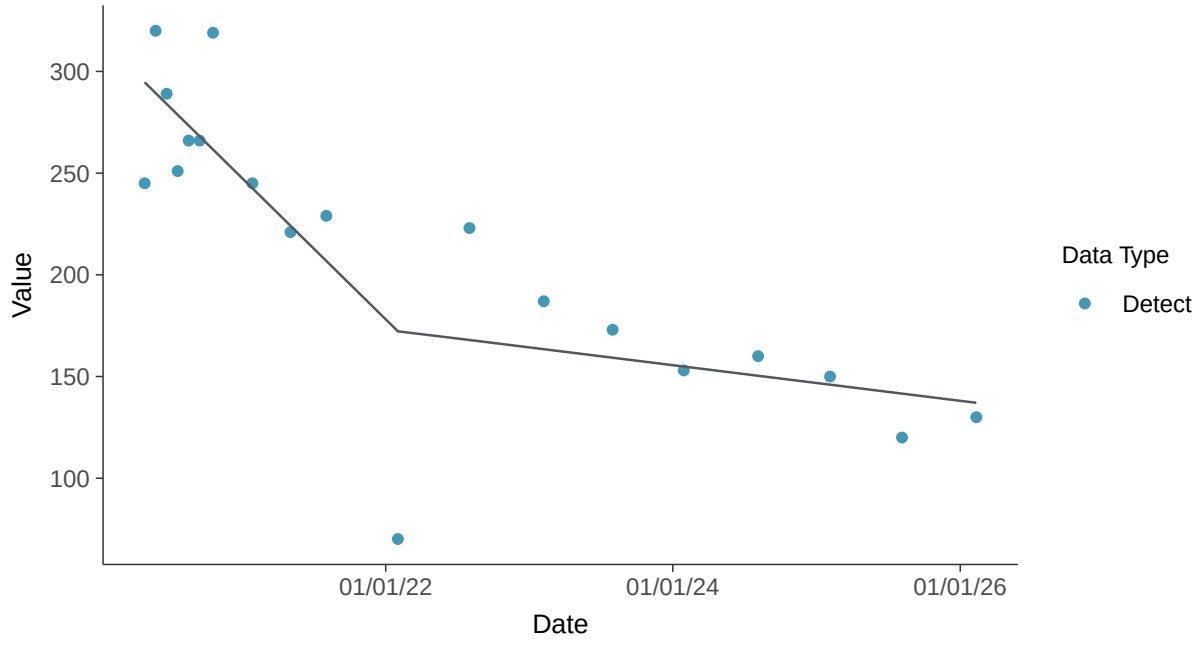
Trend Regression: Lognormal MLE

Calcium, MW-5 (mg/l)



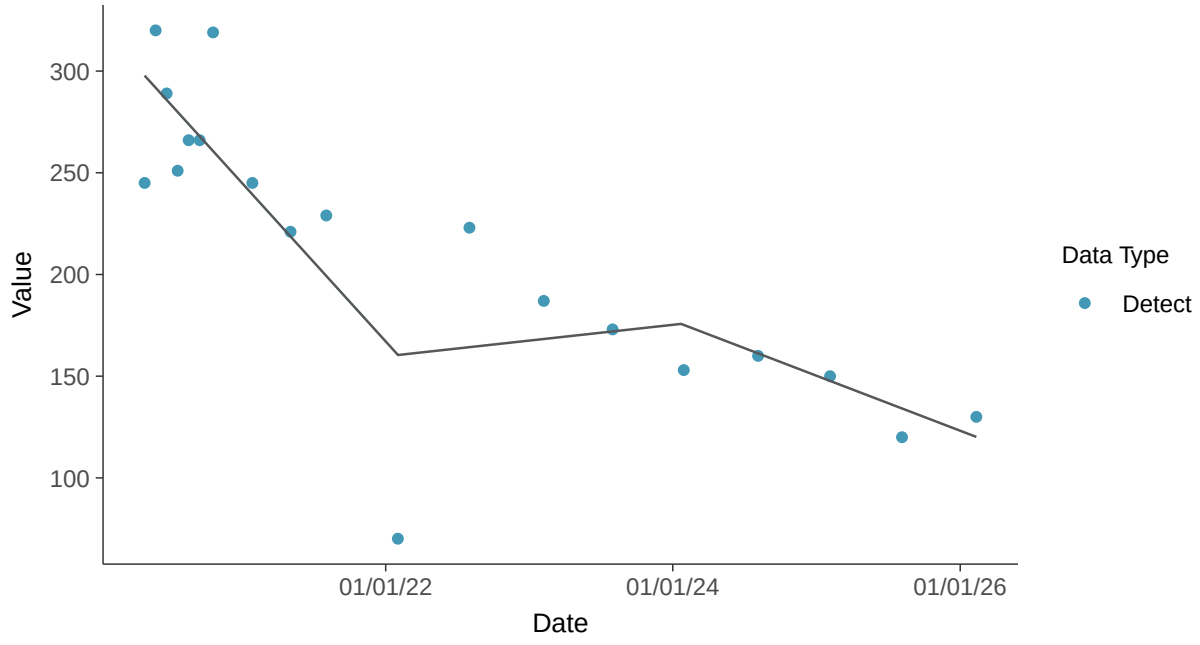
Trend Regression: Piecewise Linear-Linear

Calcium, MW-5 (mg/l)



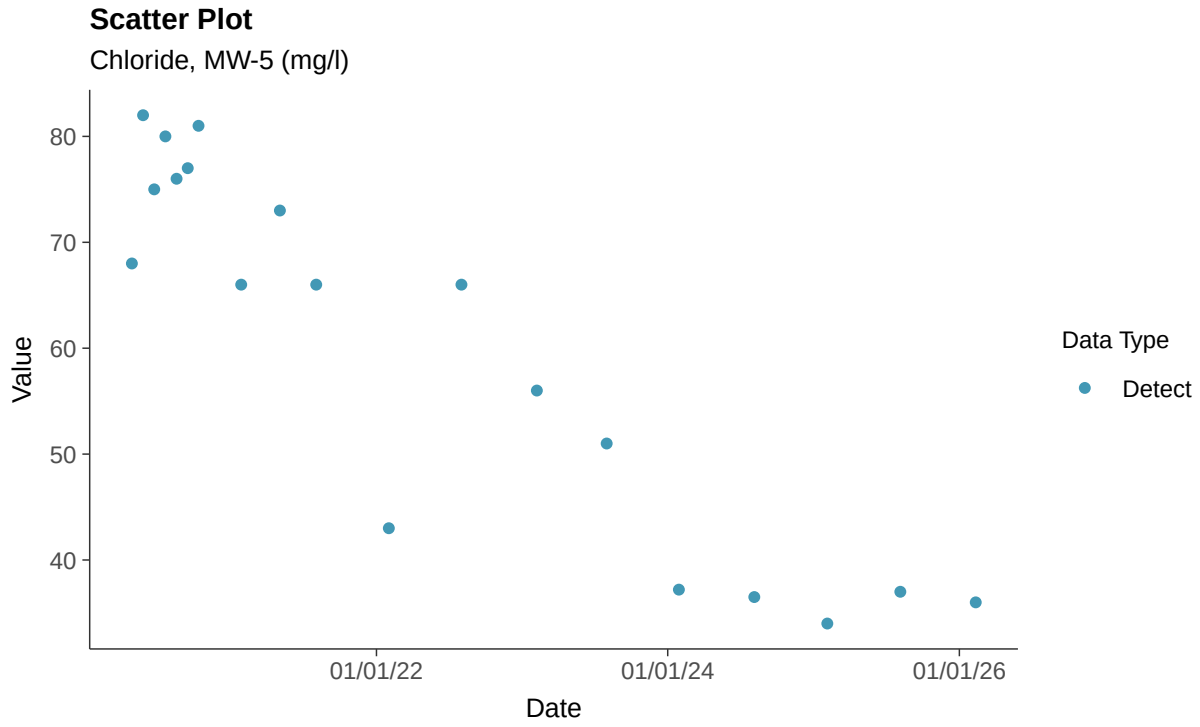
Trend Regression: Piecewise Linear-Linear-Linear

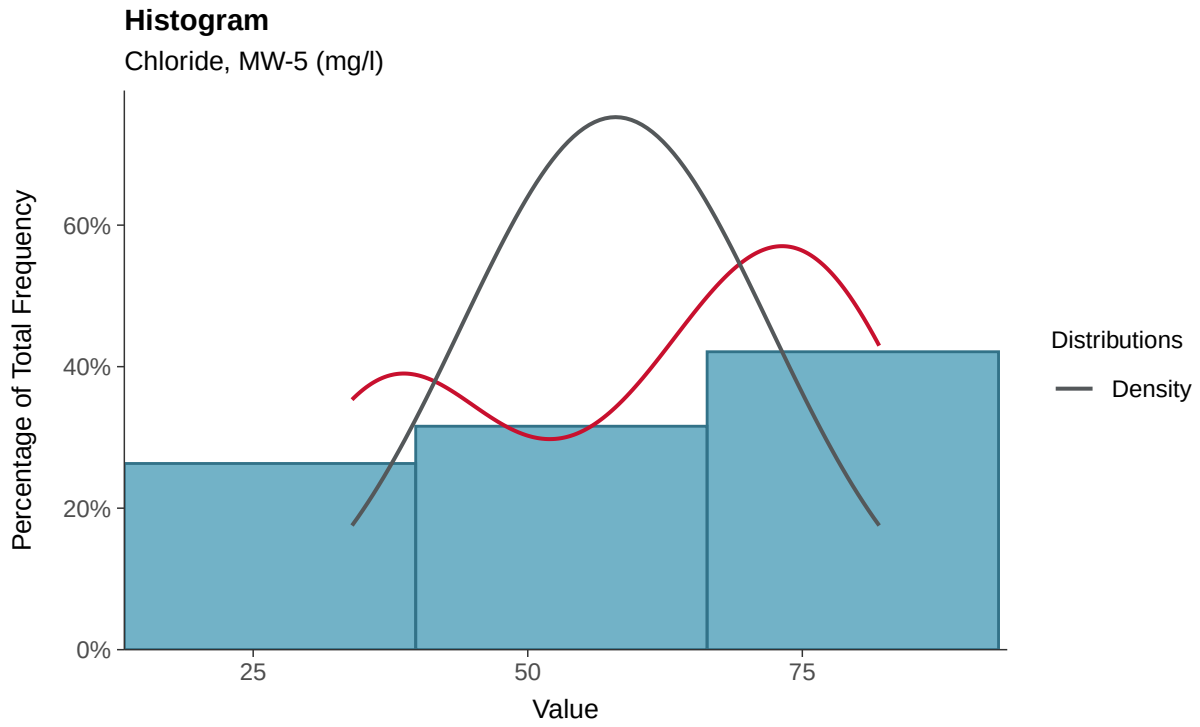
Calcium, MW-5 (mg/l)



Appendix III: Chloride, MW-5

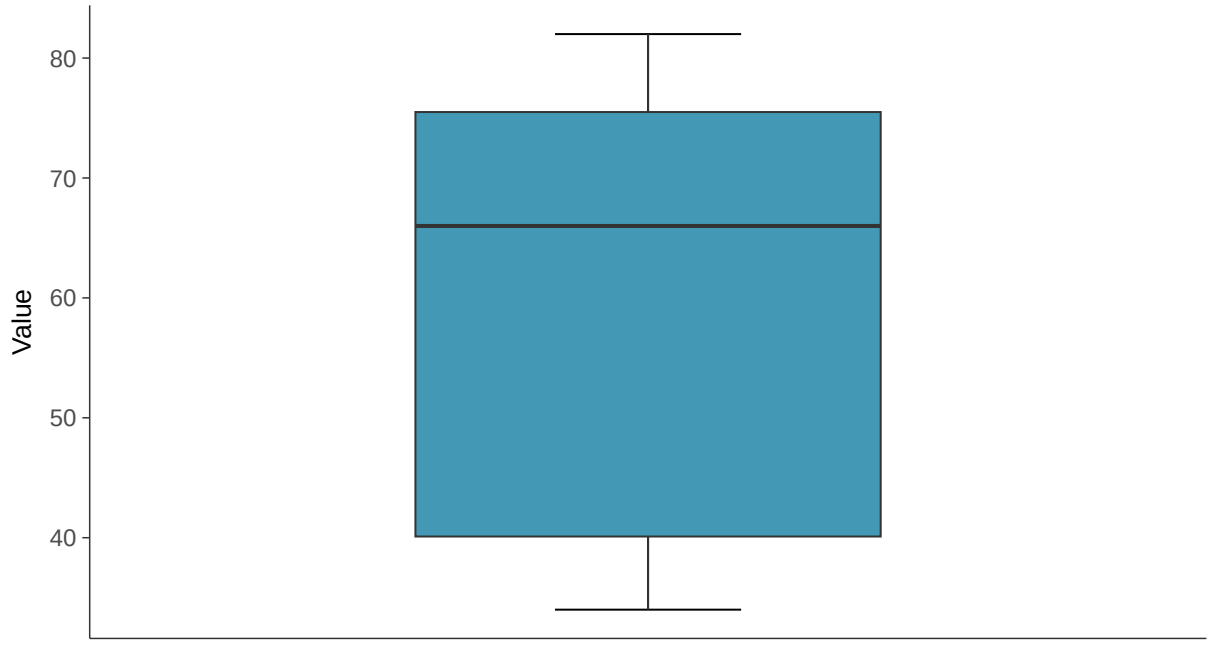
ID: 13_2_108





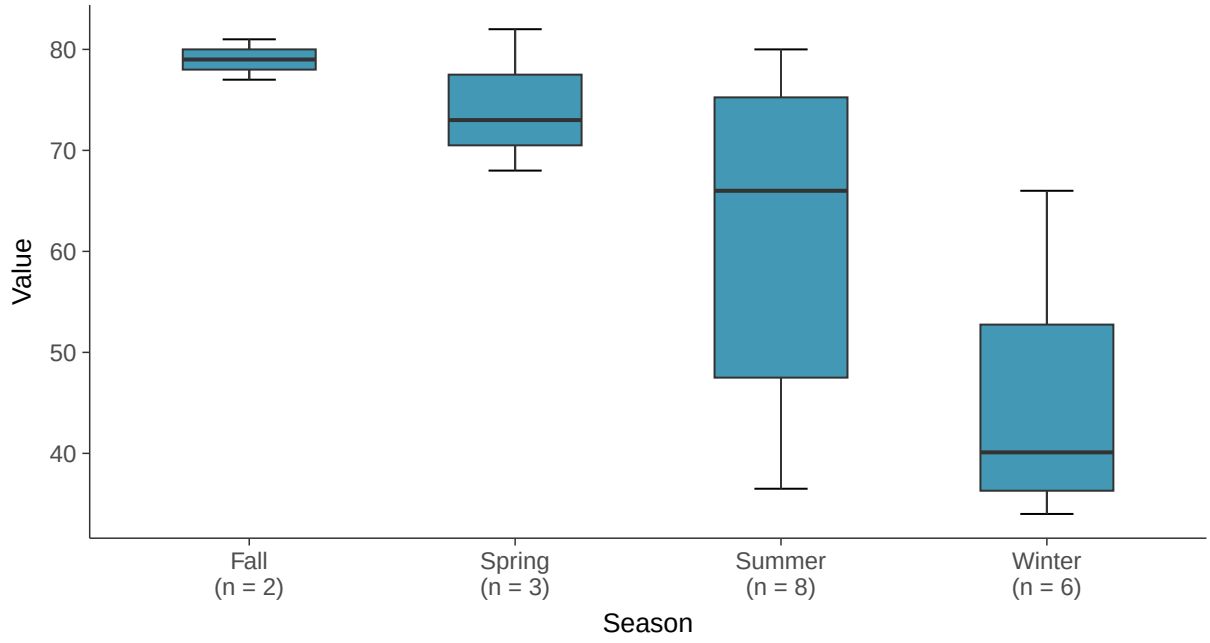
Boxplot

Chloride, MW-5 (mg/l)



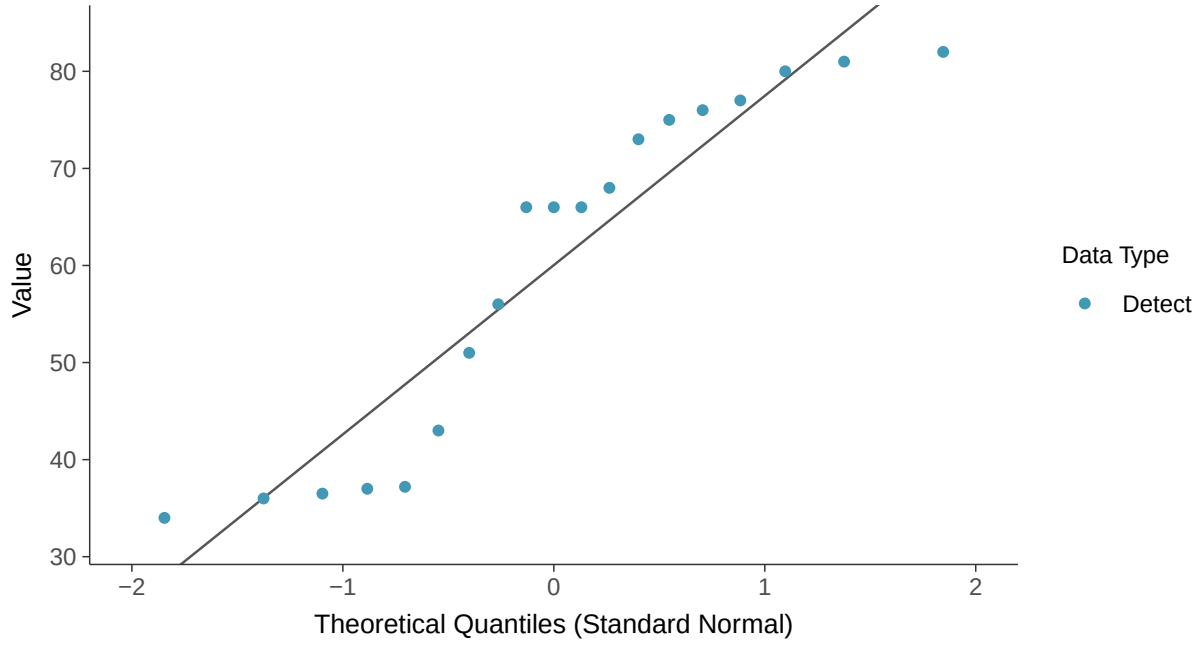
Boxplot by Season

Chloride, MW-5 (mg/l)



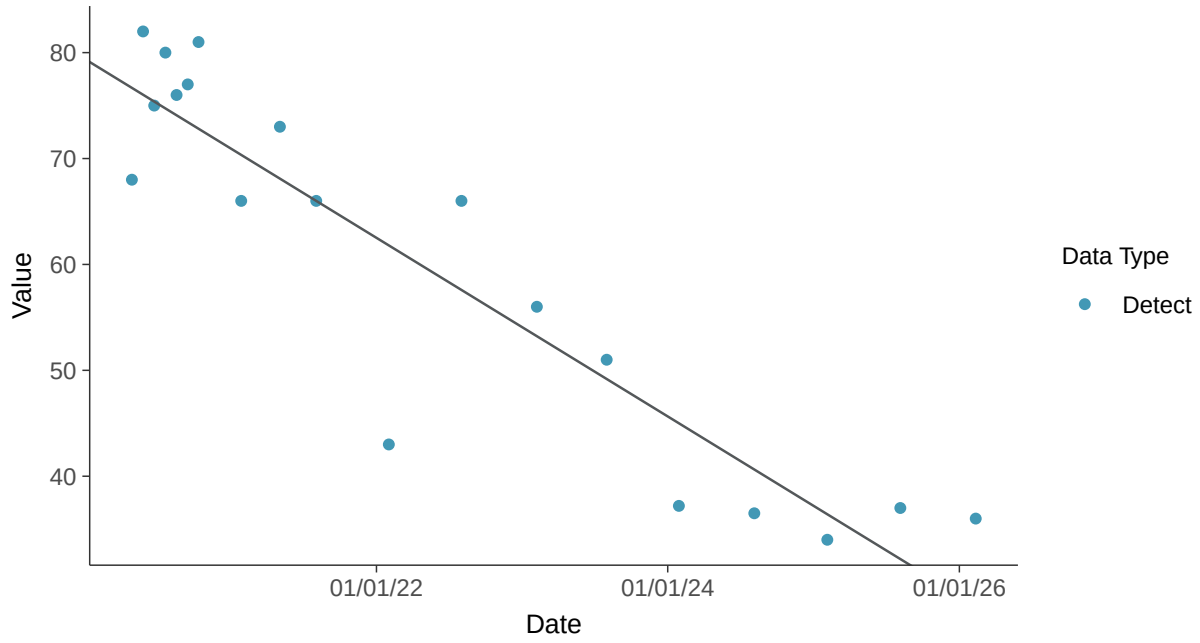
Normal Q-Q plot

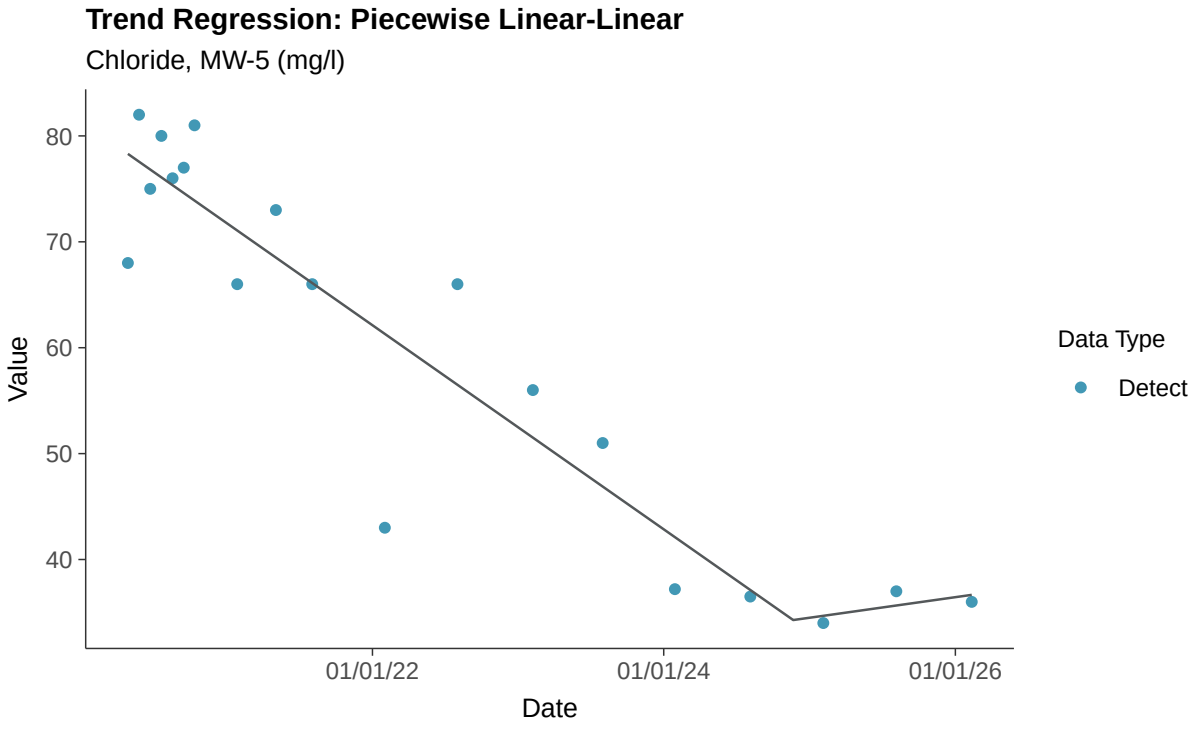
Chloride, MW-5 (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

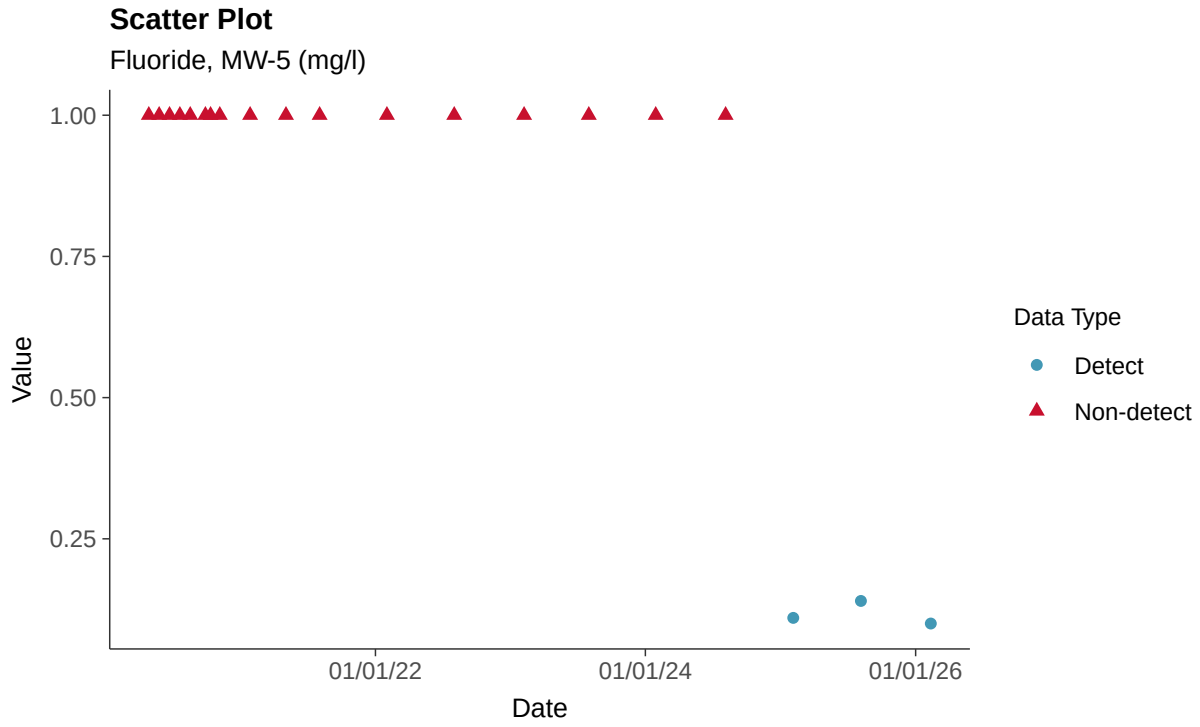
Chloride, MW-5 (mg/l)

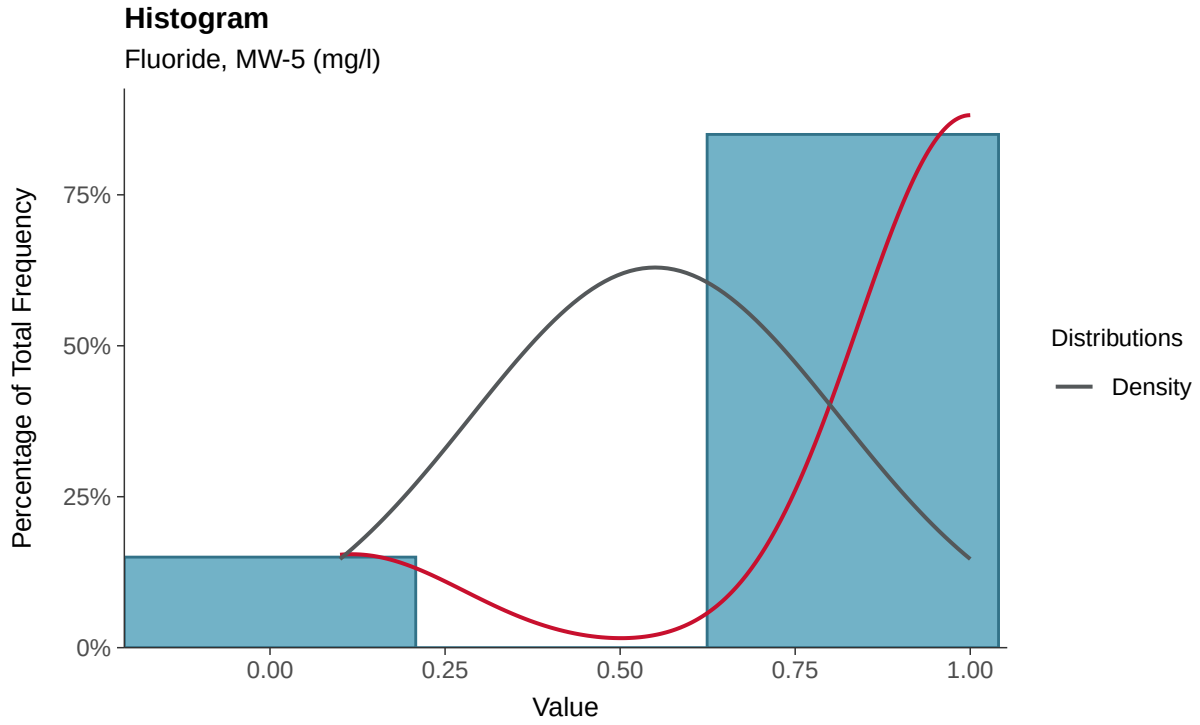



Trend Regression: Piecewise Linear-Linear
Chloride, MW-5 (mg/l)
Value
80
70
60
50
40
01/01/22
01/01/24
01/01/26
Date
Data Type
Detect

Appendix III: Fluoride, MW-5

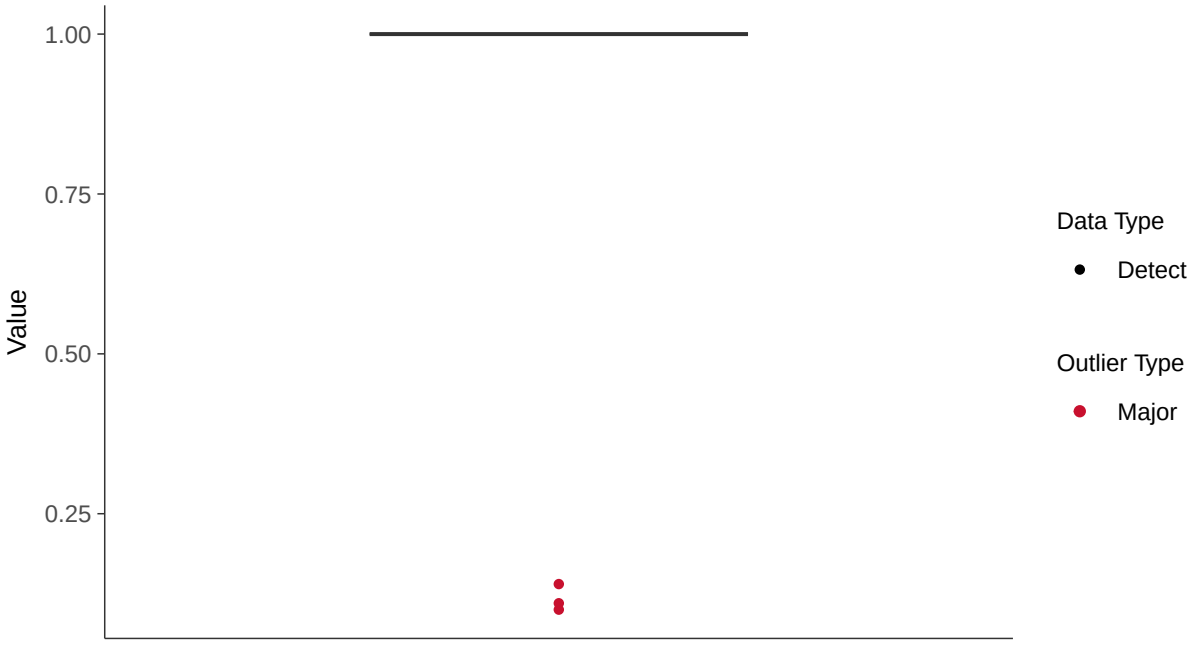
ID: 13_2_112





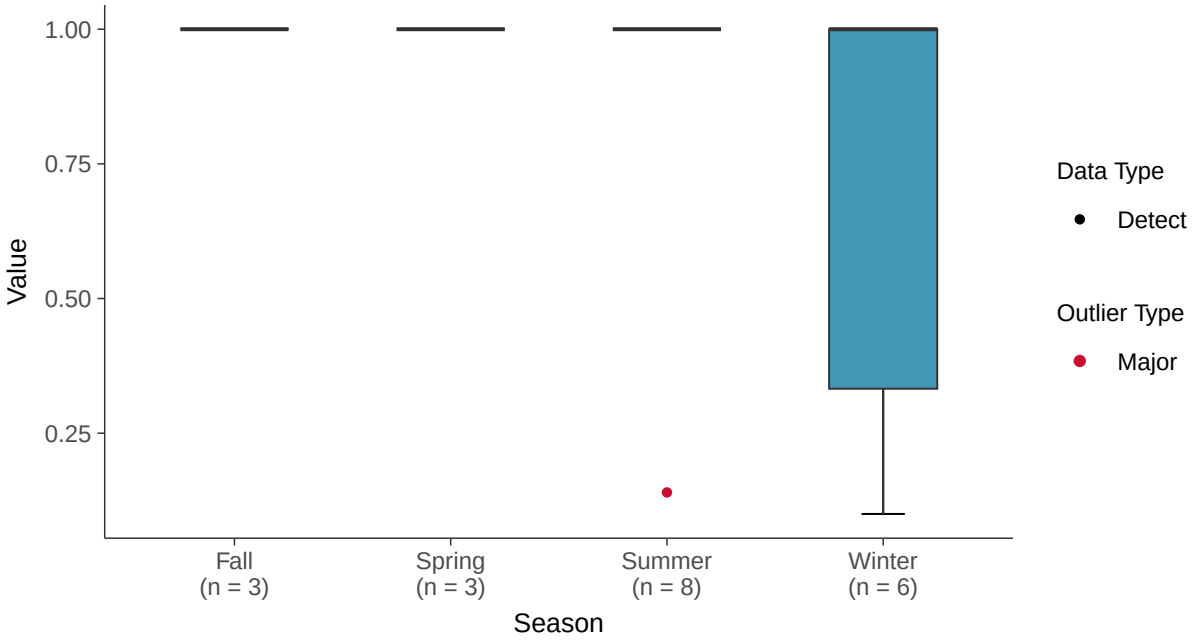
Boxplot

Fluoride, MW-5 (mg/l)



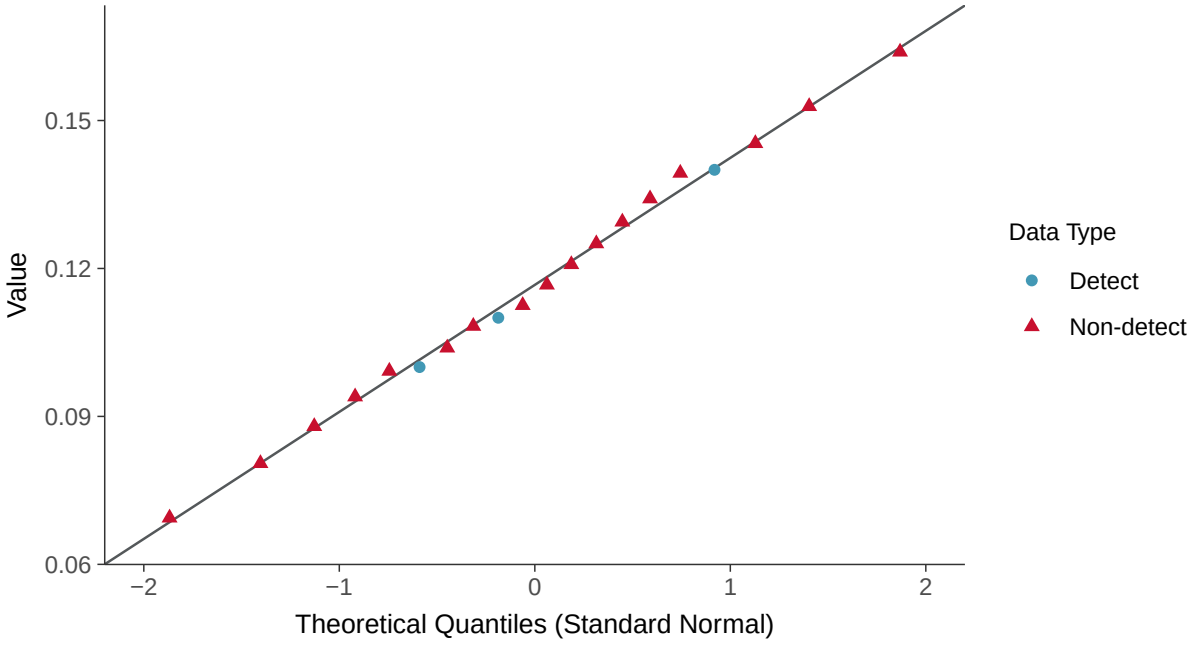
Boxplot by Season

Fluoride, MW-5 (mg/l)



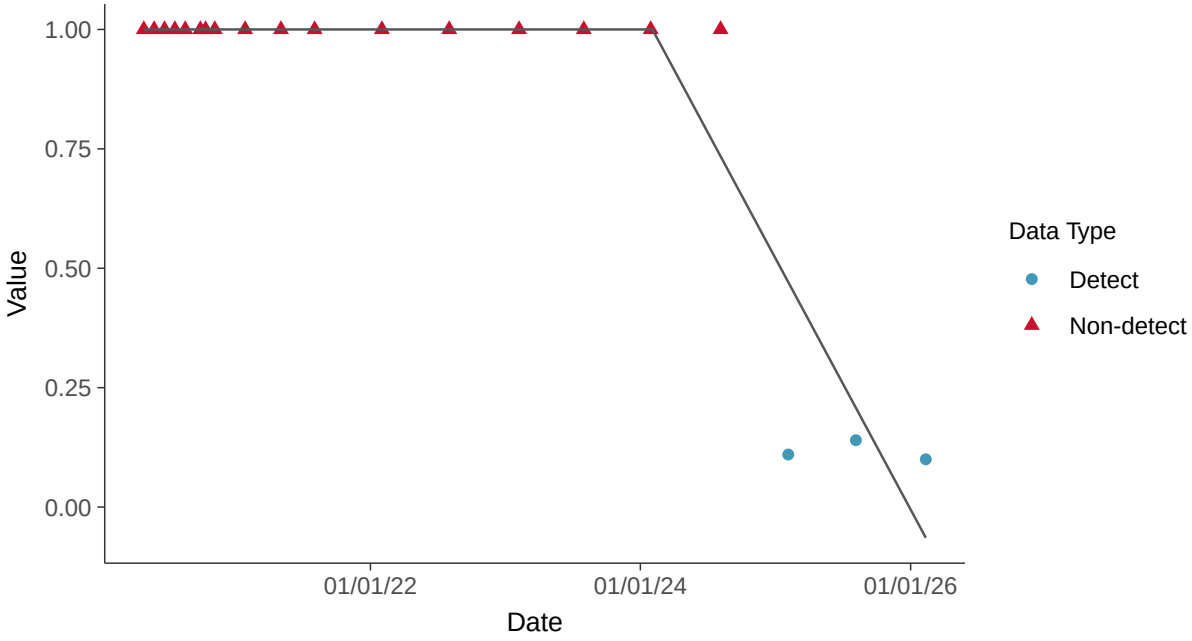
Normal Q-Q plot using ROS Imputed Estimates

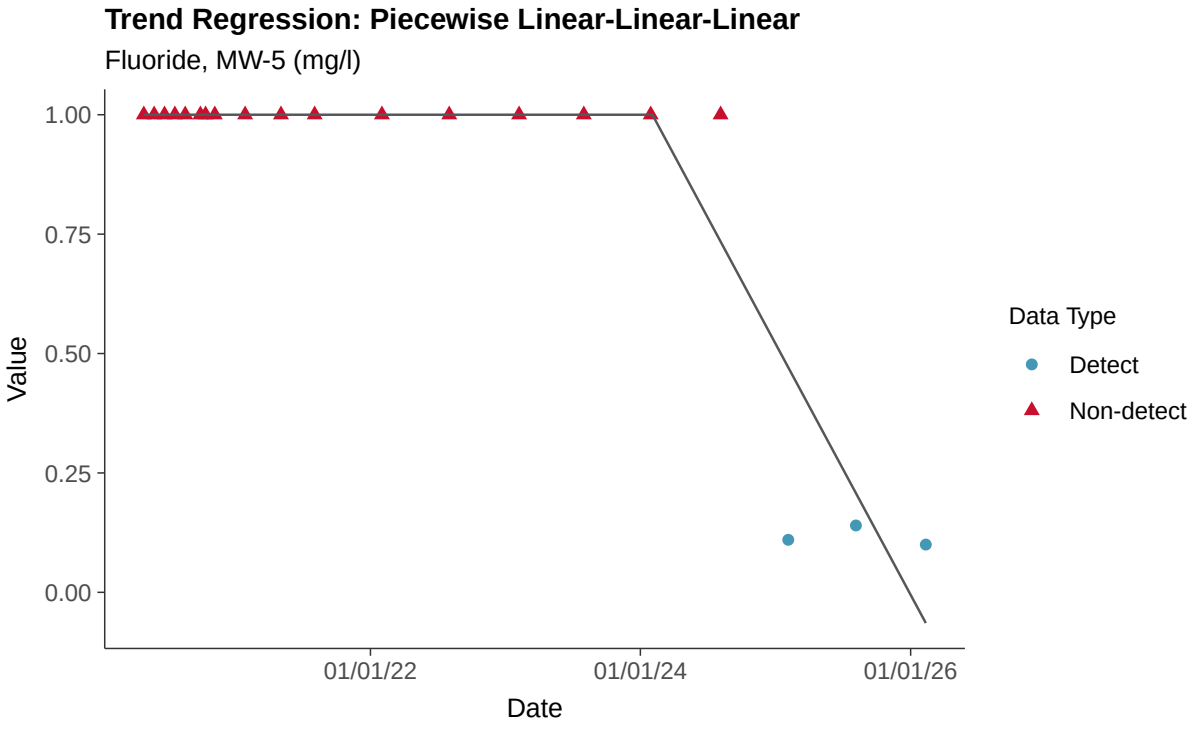
Fluoride, MW-5 (mg/l)



Trend Regression: Piecewise Linear-Linear

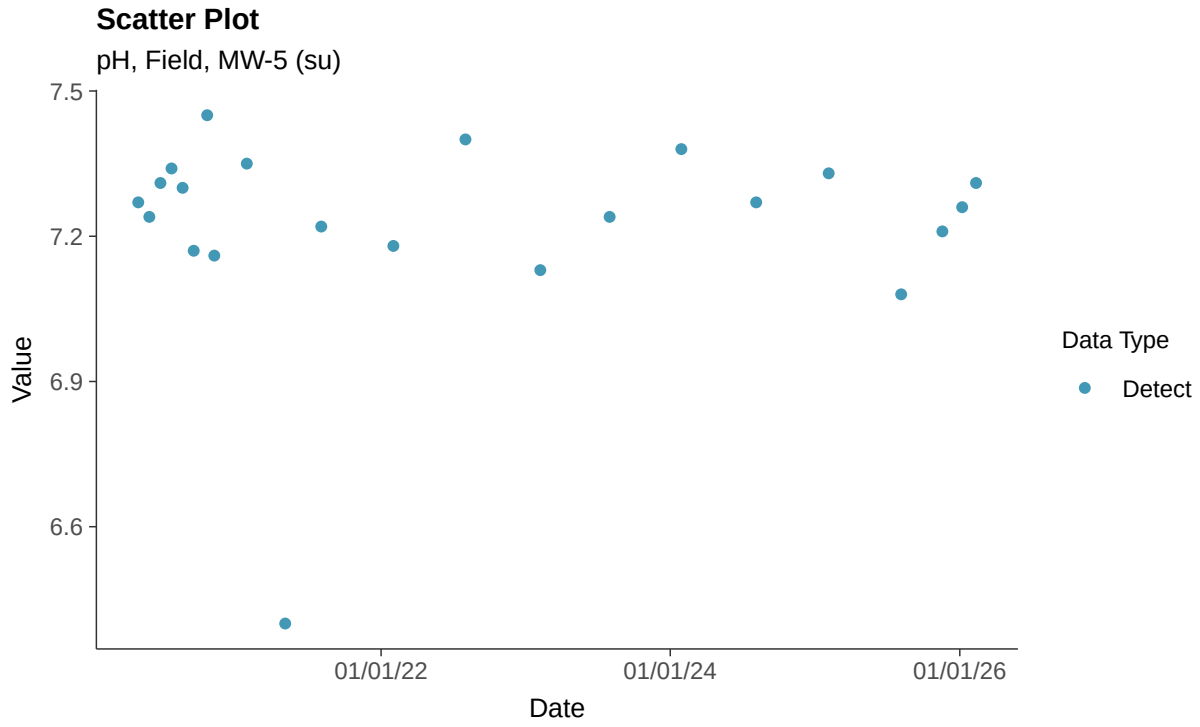
Fluoride, MW-5 (mg/l)

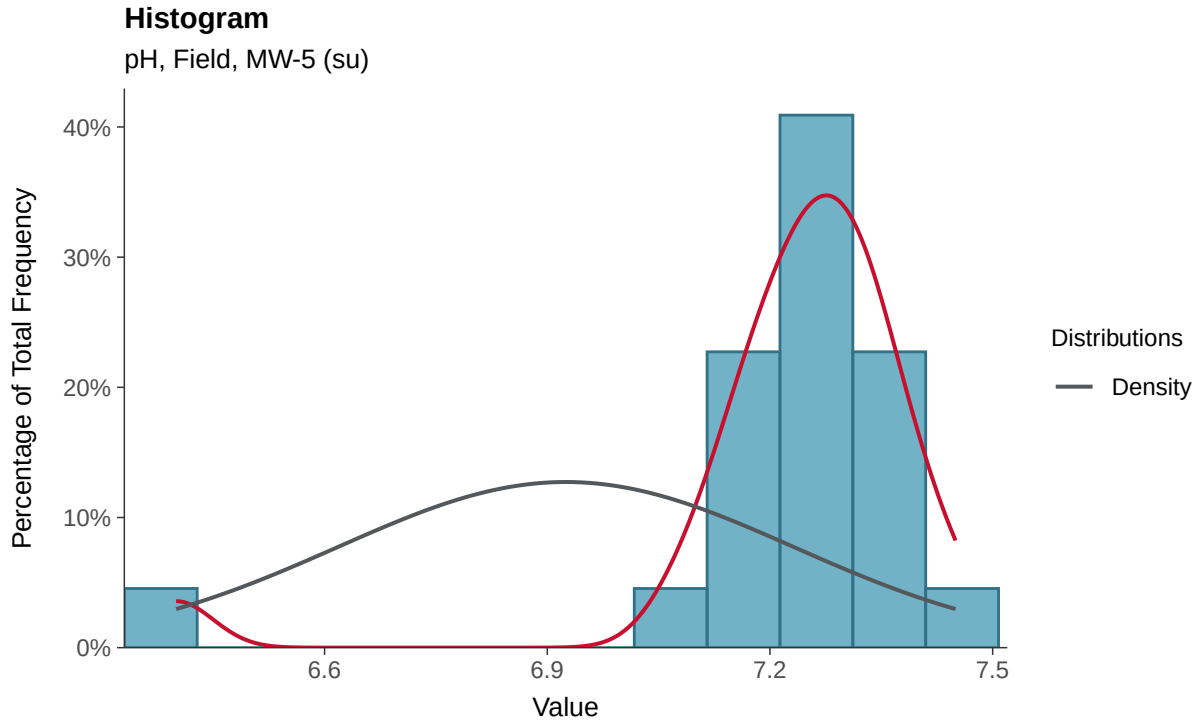



Trend Regression: Piecewise Linear-Linear-Linear
Fluoride, MW-5 (mg/l)
Value
1.00
0.75
0.50
0.25
0.00
01/01/22
01/01/24
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: pH, Field, MW-5

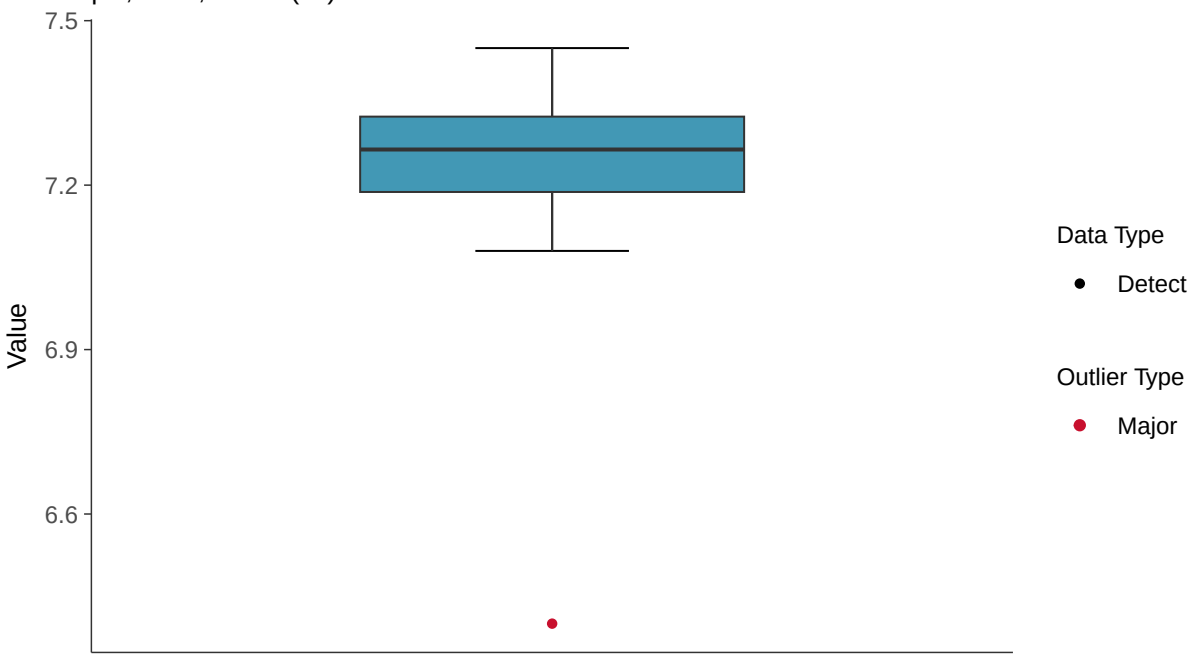
ID: 13_2_120





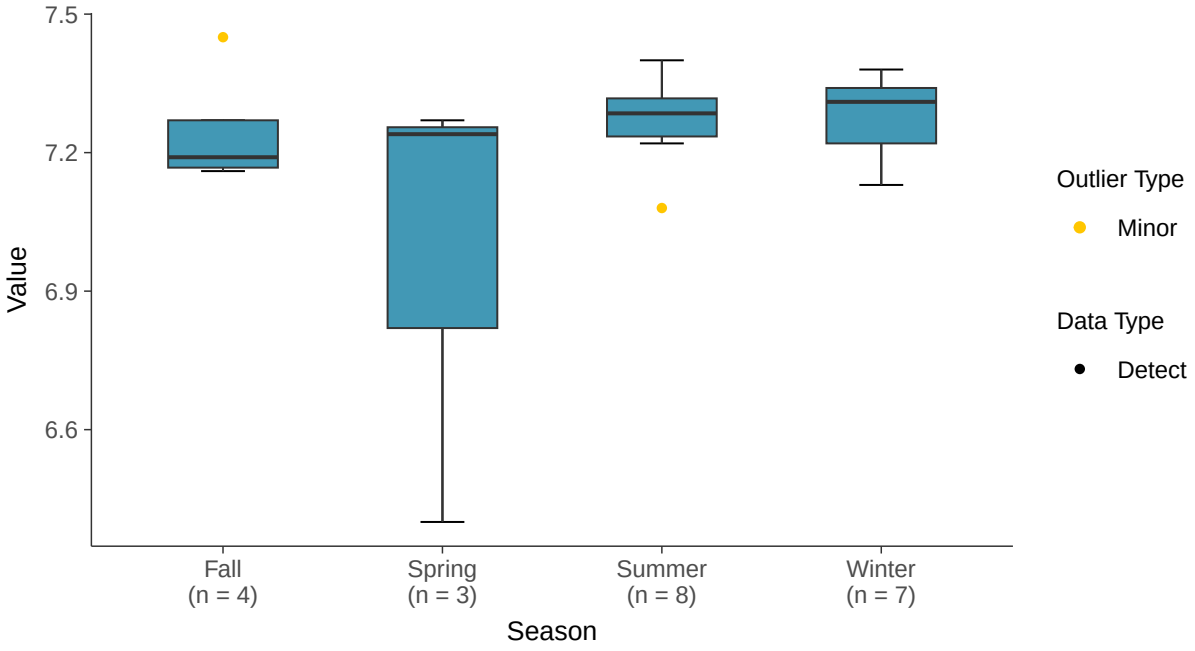
Boxplot

pH, Field, MW-5 (su)



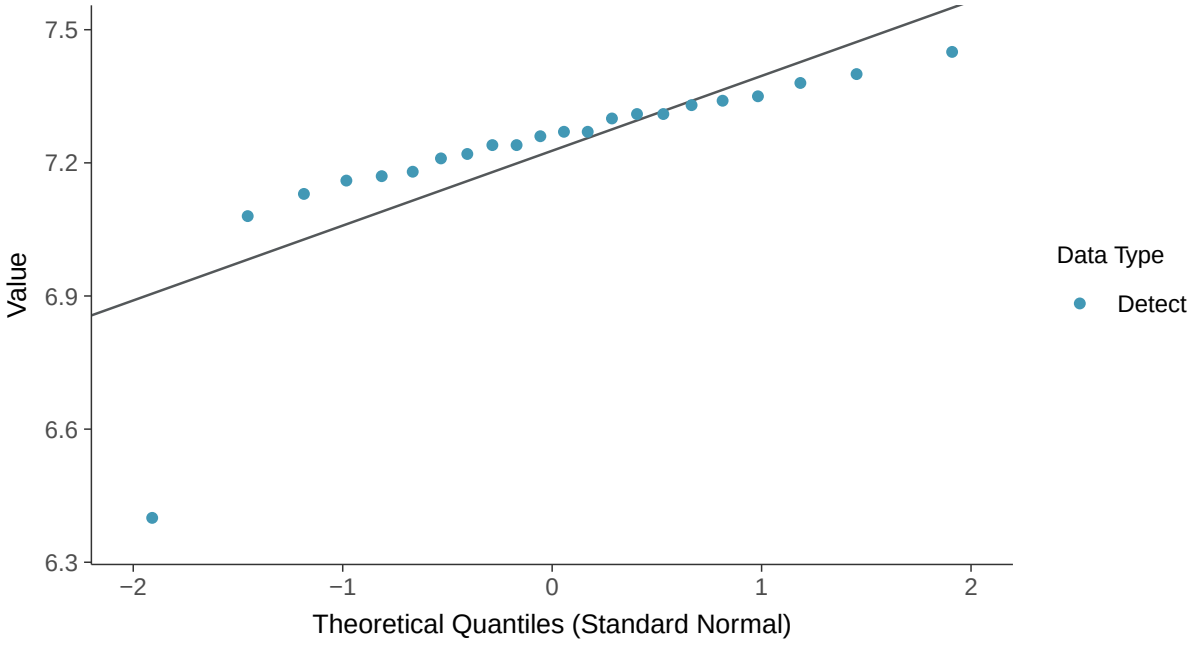
Boxplot by Season

pH, Field, MW-5 (su)



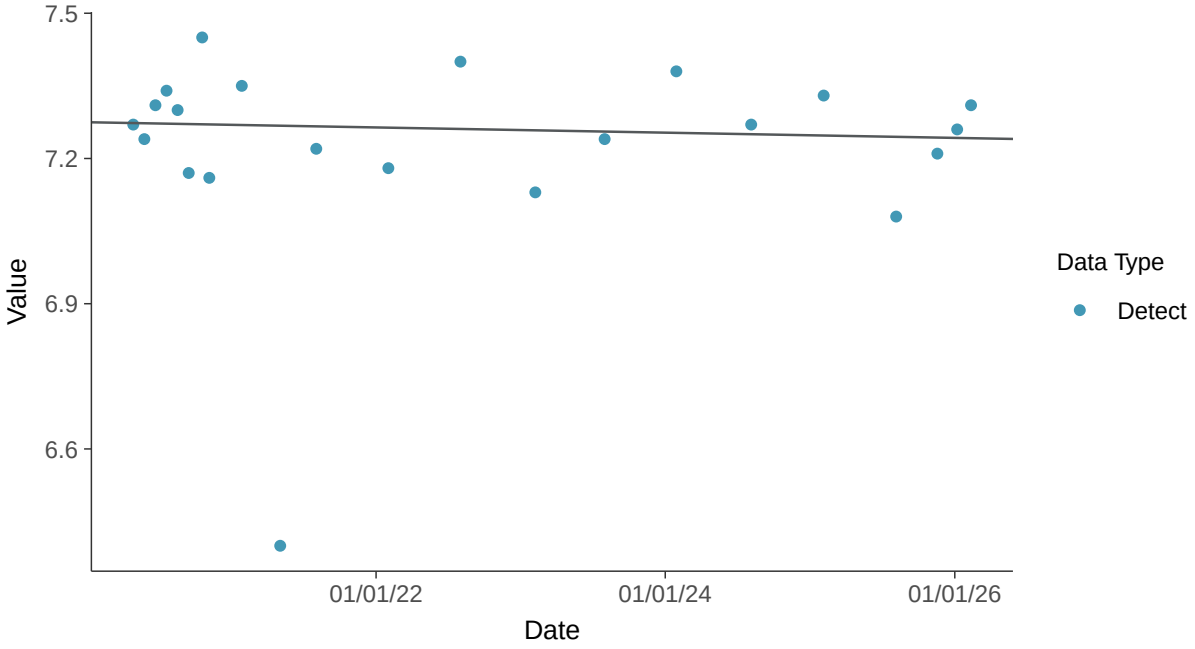
Normal Q-Q plot

pH, Field, MW-5 (su)



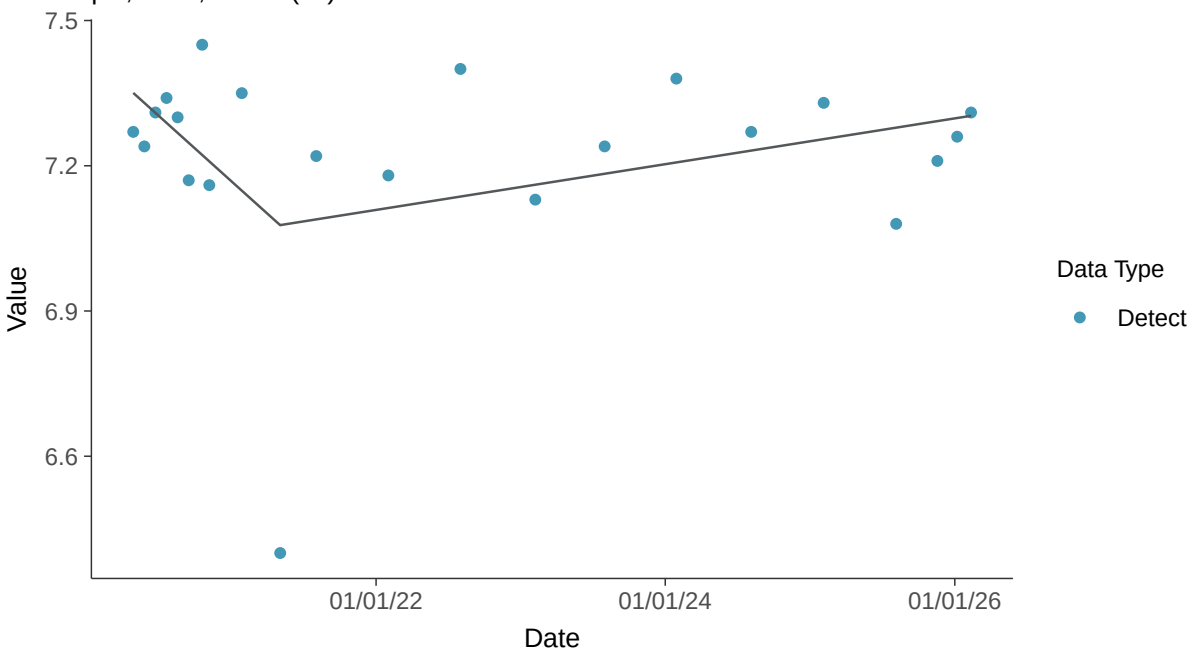
Trend Regression: Mann-Kendall/Theil-Sen Estimate

pH, Field, MW-5 (su)



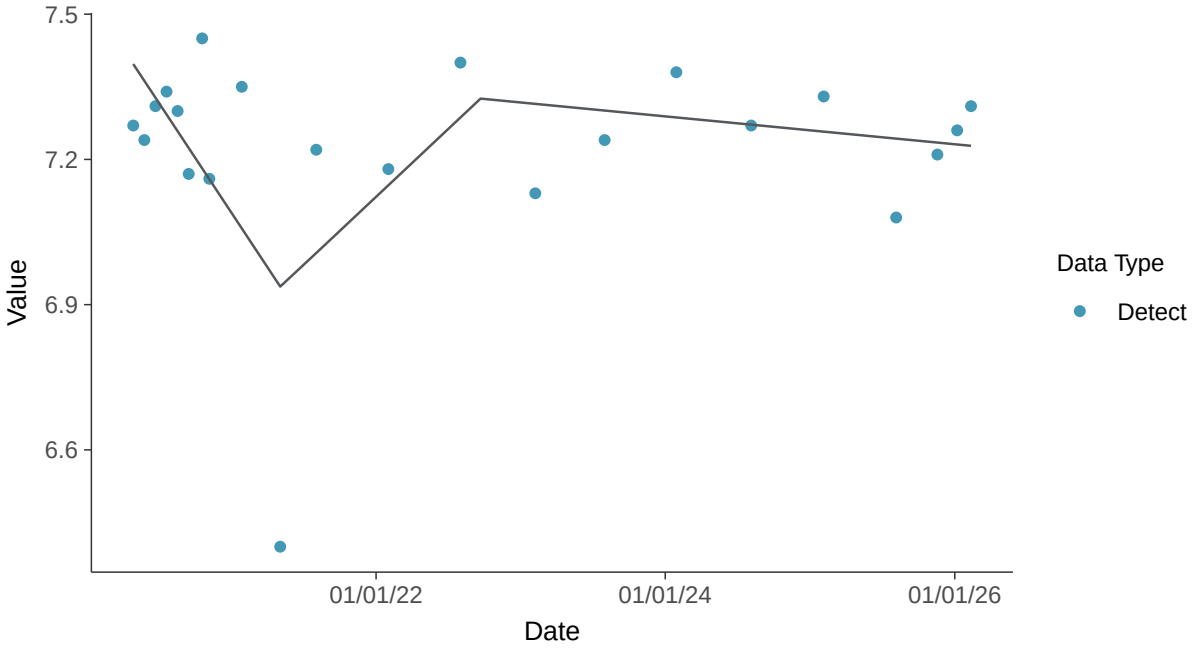
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-5 (su)



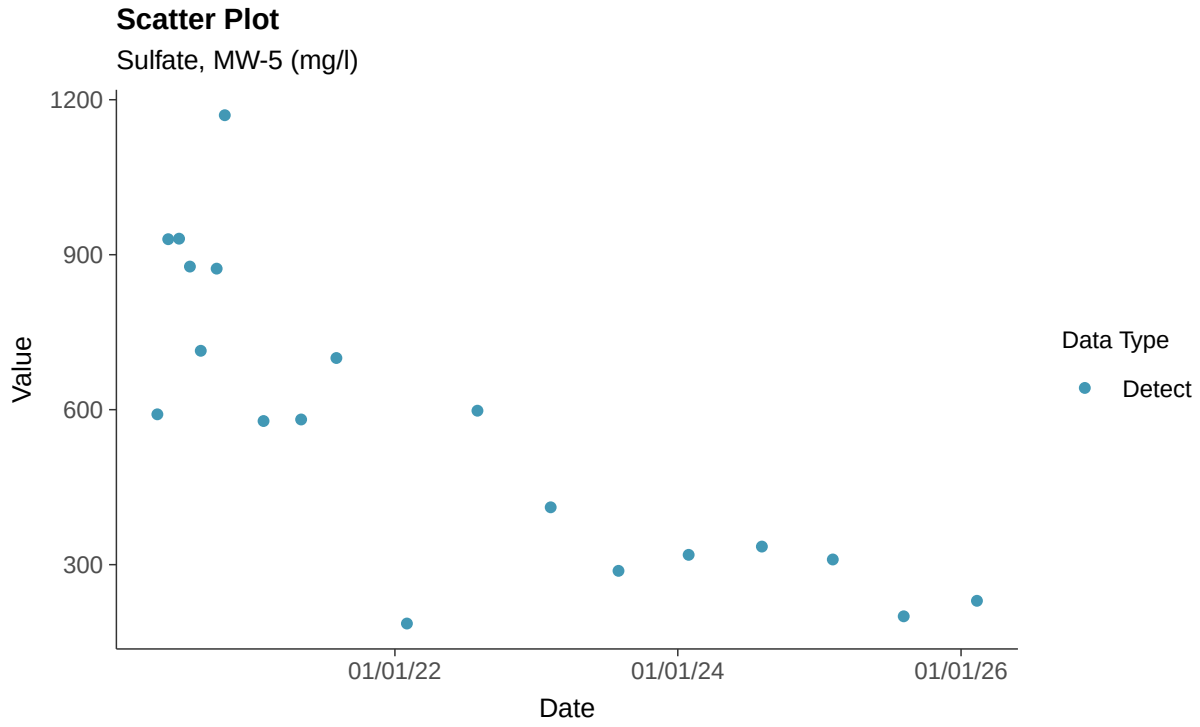
Trend Regression: Piecewise Linear-Linear-Linear

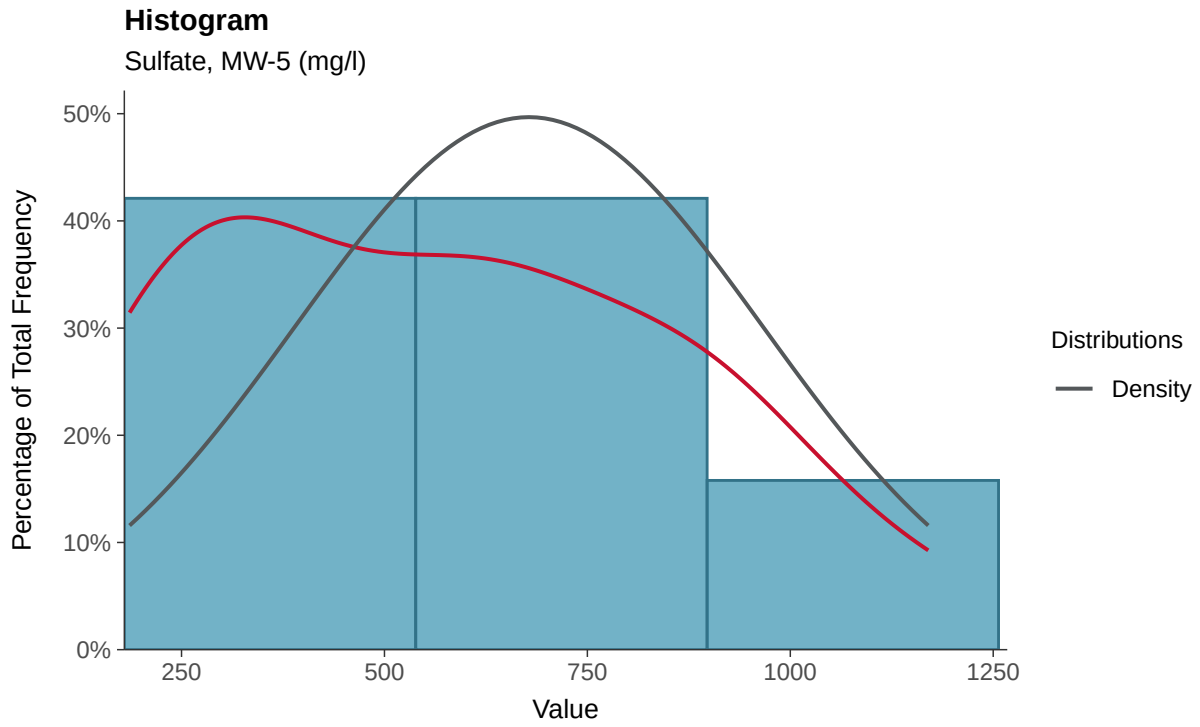
pH, Field, MW-5 (su)



Appendix III: Sulfate, MW-5

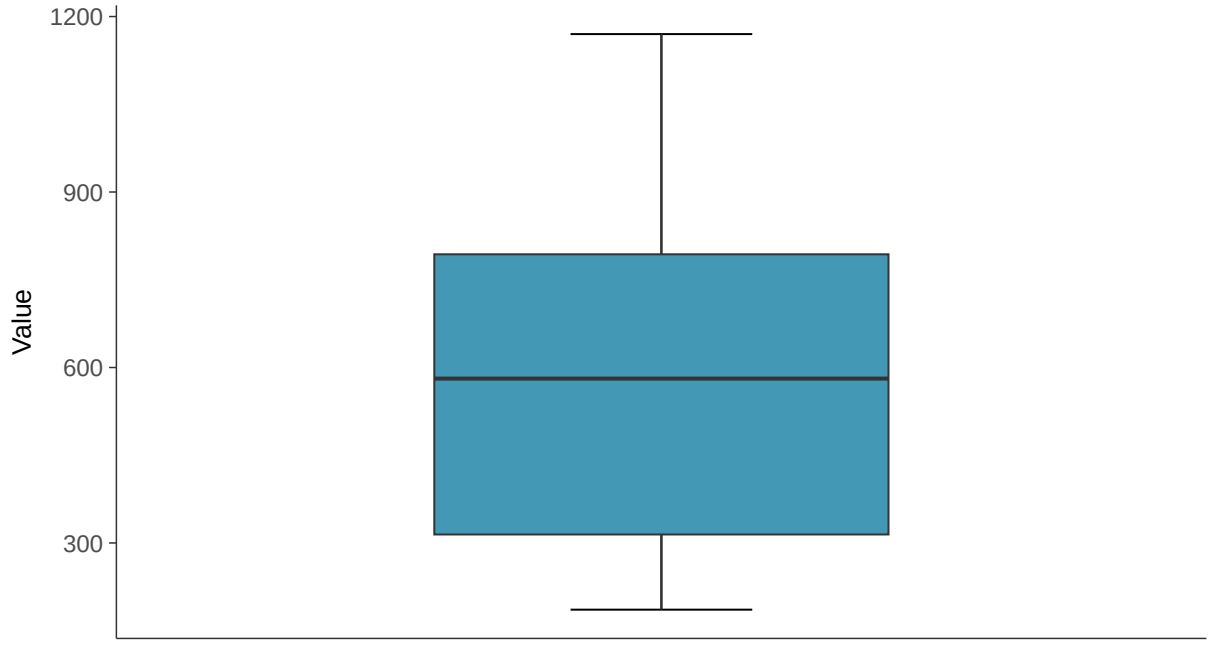
ID: 13_2_124





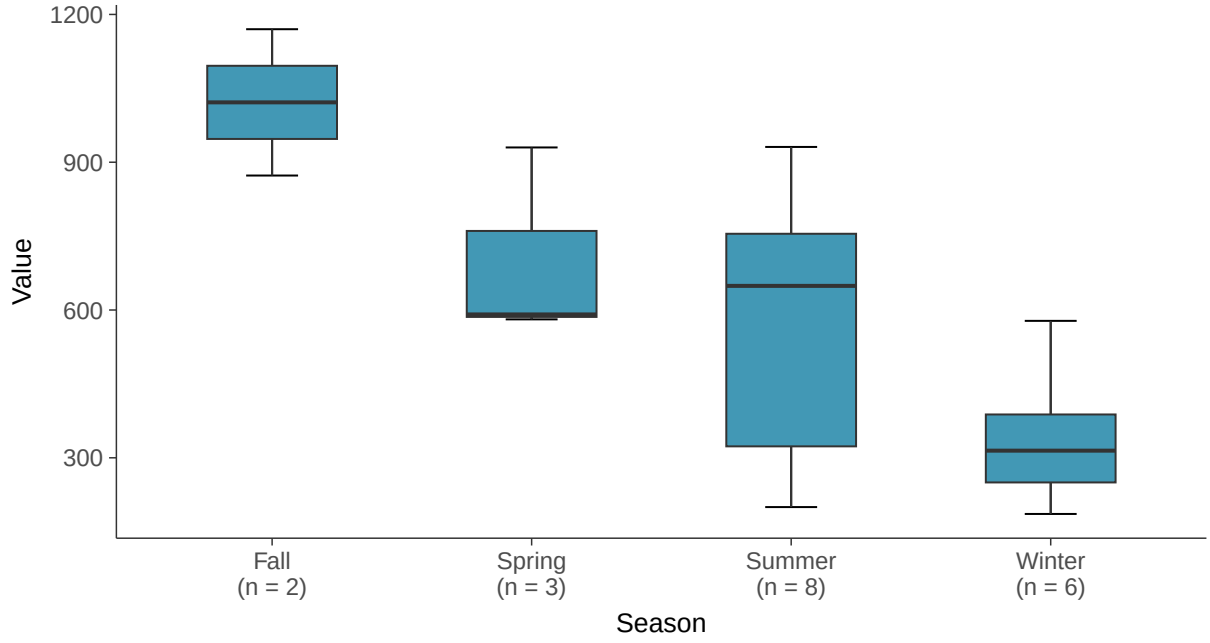
Boxplot

Sulfate, MW-5 (mg/l)



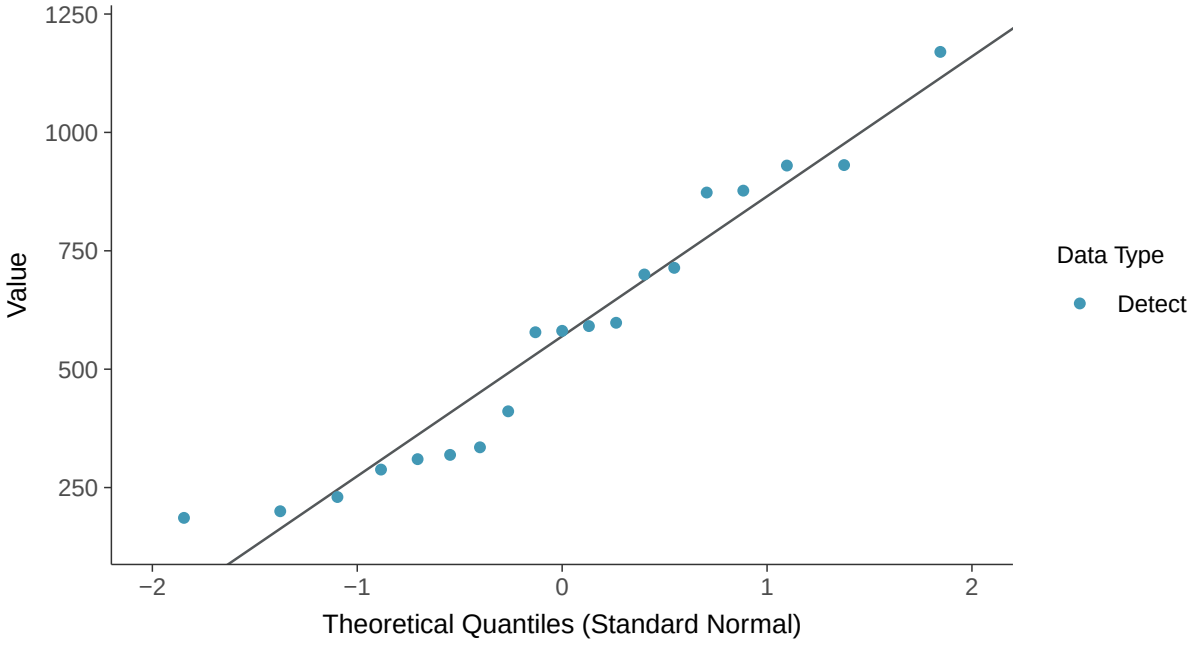
Boxplot by Season

Sulfate, MW-5 (mg/l)



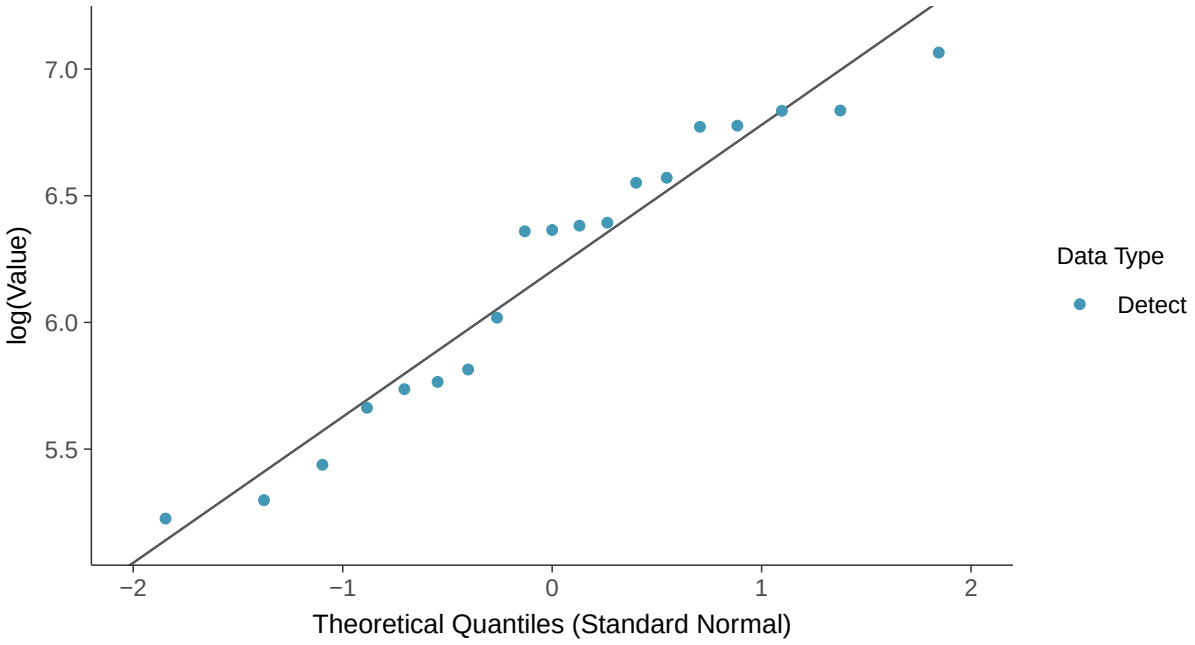
Normal Q-Q plot

Sulfate, MW-5 (mg/l)



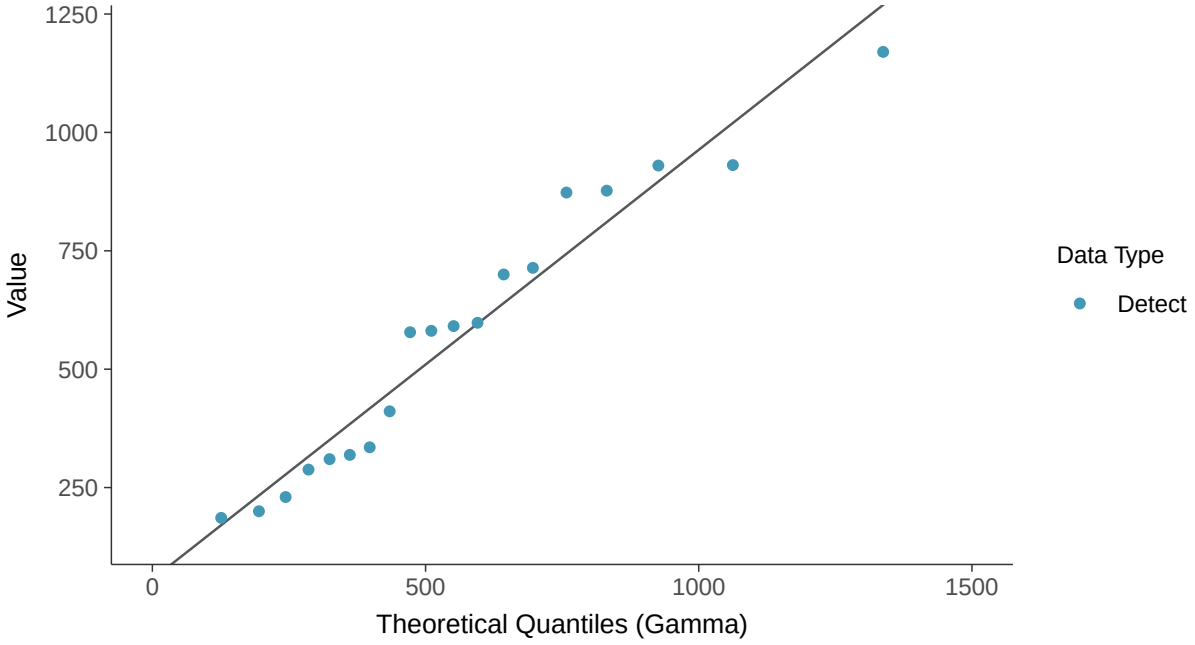
Lognormal Q-Q plot

Sulfate, MW-5 (mg/l)



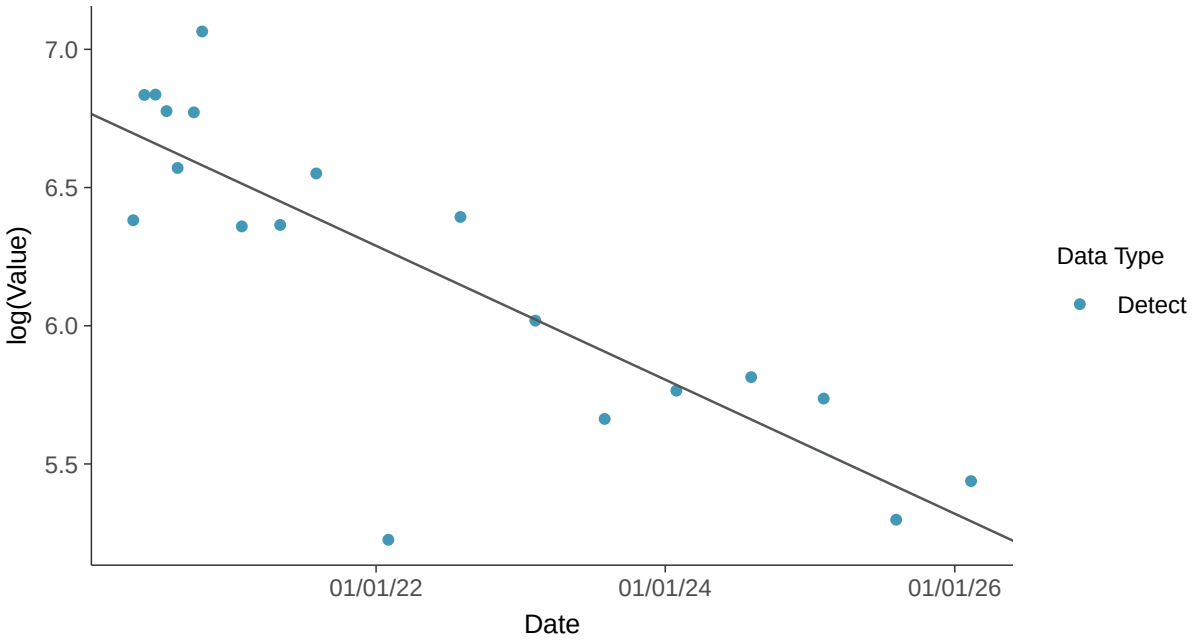
Gamma Q-Q plot

Sulfate, MW-5 (mg/l)



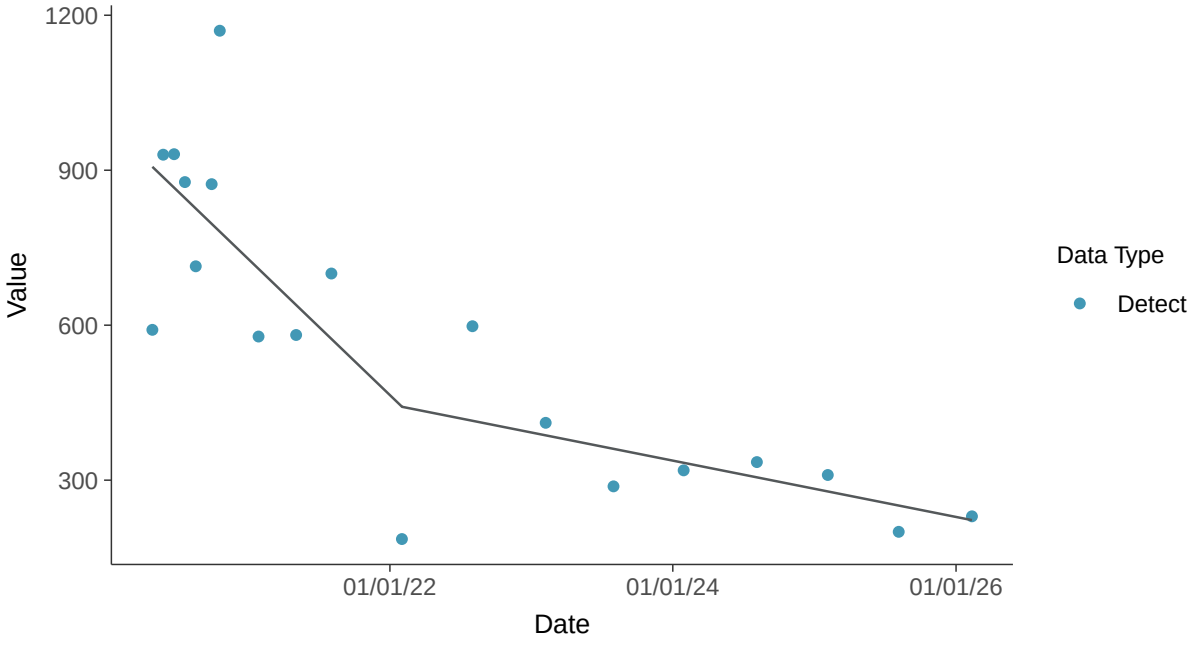
Trend Regression: Lognormal MLE

Sulfate, MW-5 (mg/l)



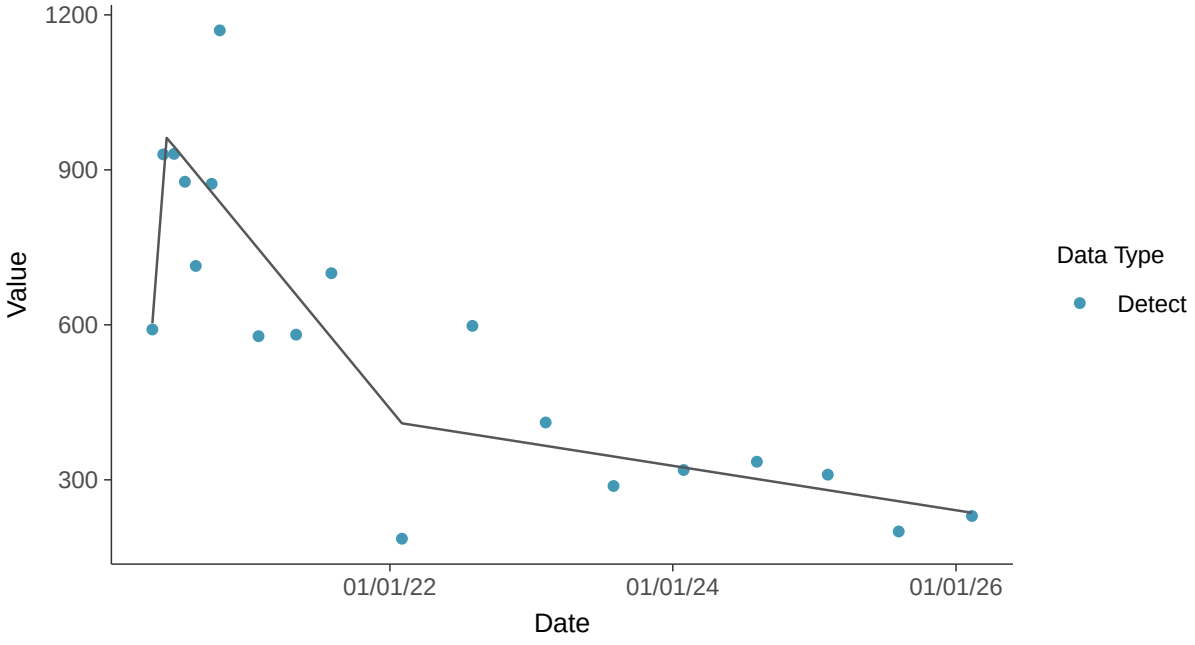
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-5 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Sulfate, MW-5 (mg/l)

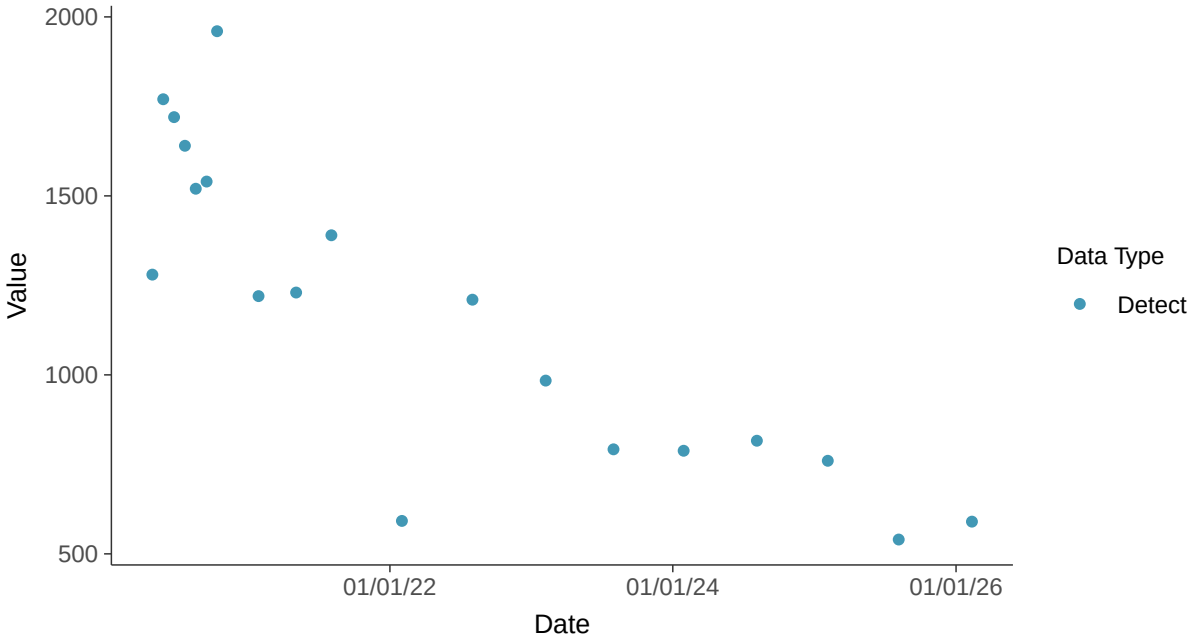


Appendix III: Total Dissolved Solids, MW-5

ID: 13_2_126

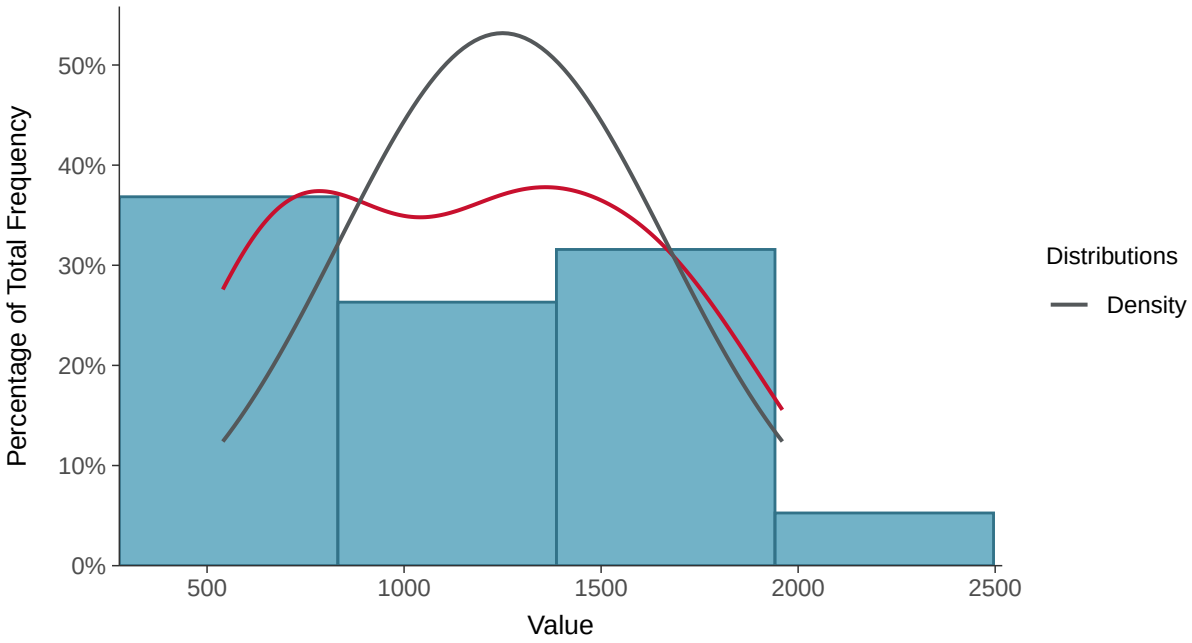
Scatter Plot

Total Dissolved Solids, MW-5 (mg/l)



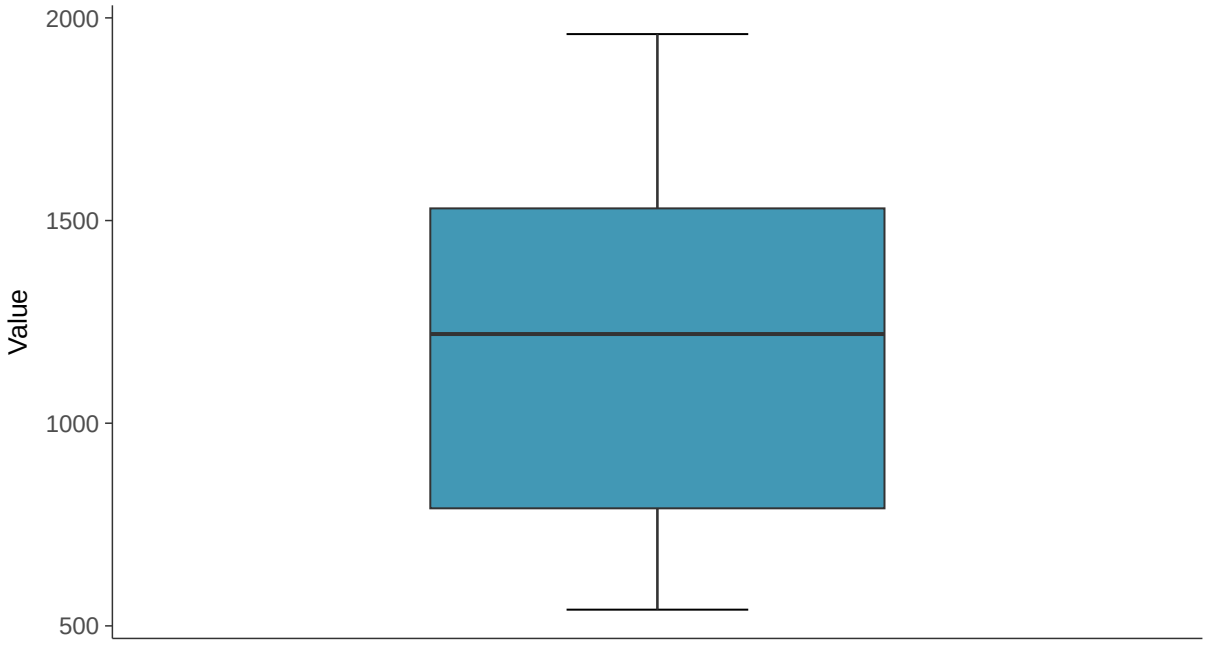
Histogram

Total Dissolved Solids, MW-5 (mg/l)



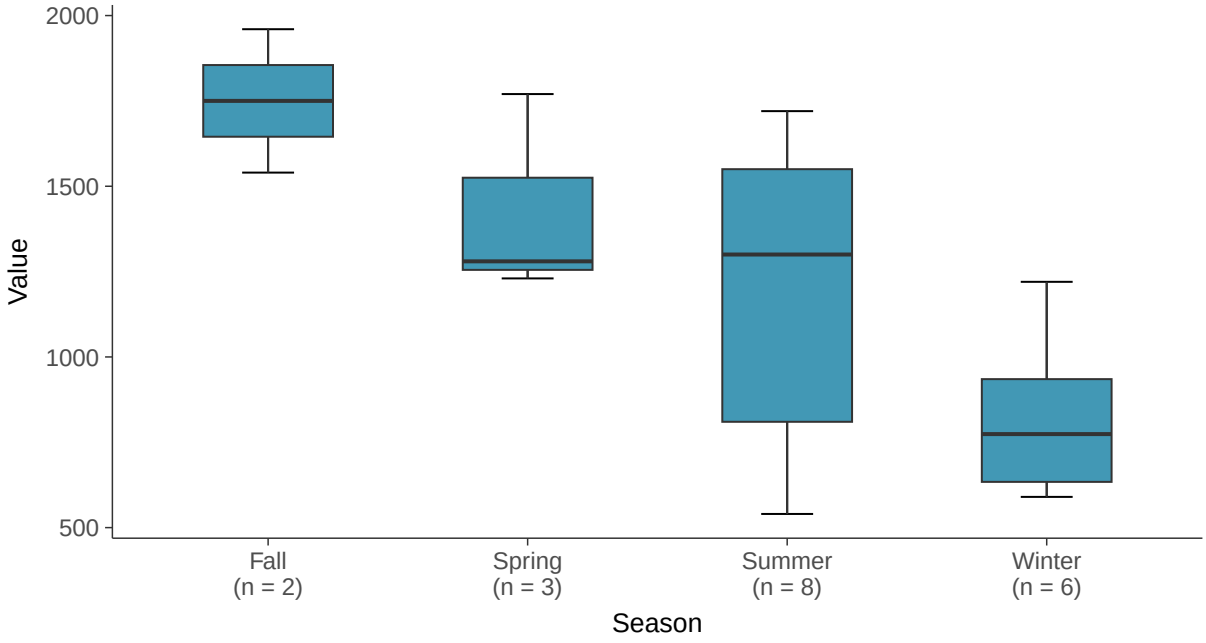
Boxplot

Total Dissolved Solids, MW-5 (mg/l)



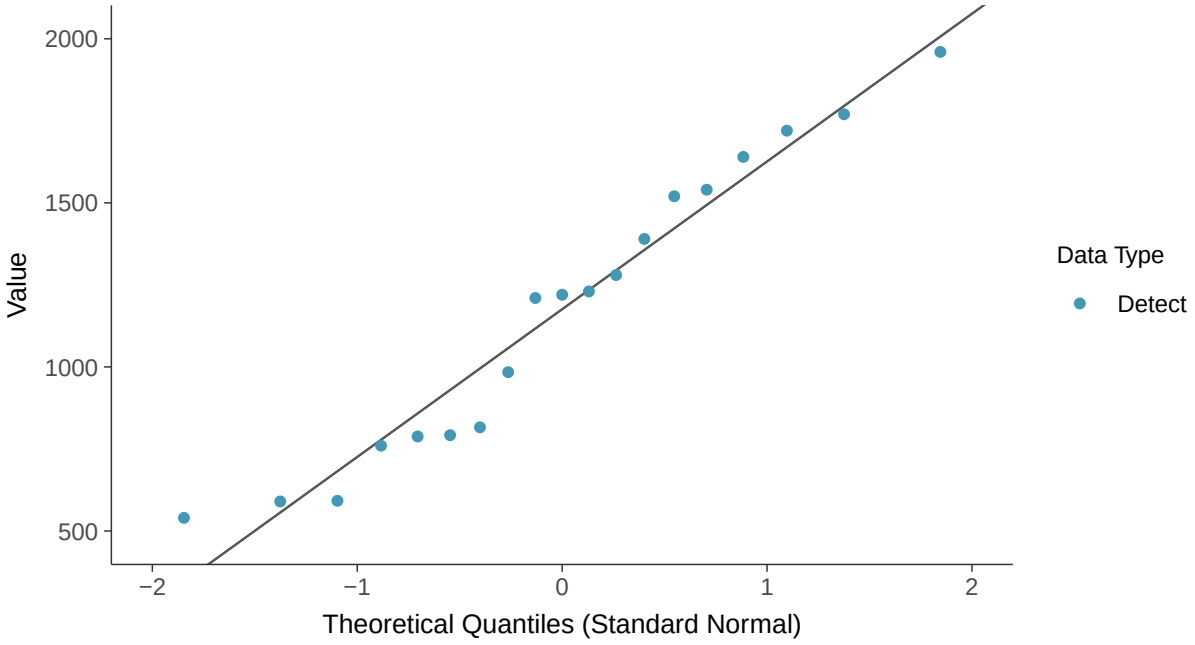
Boxplot by Season

Total Dissolved Solids, MW-5 (mg/l)



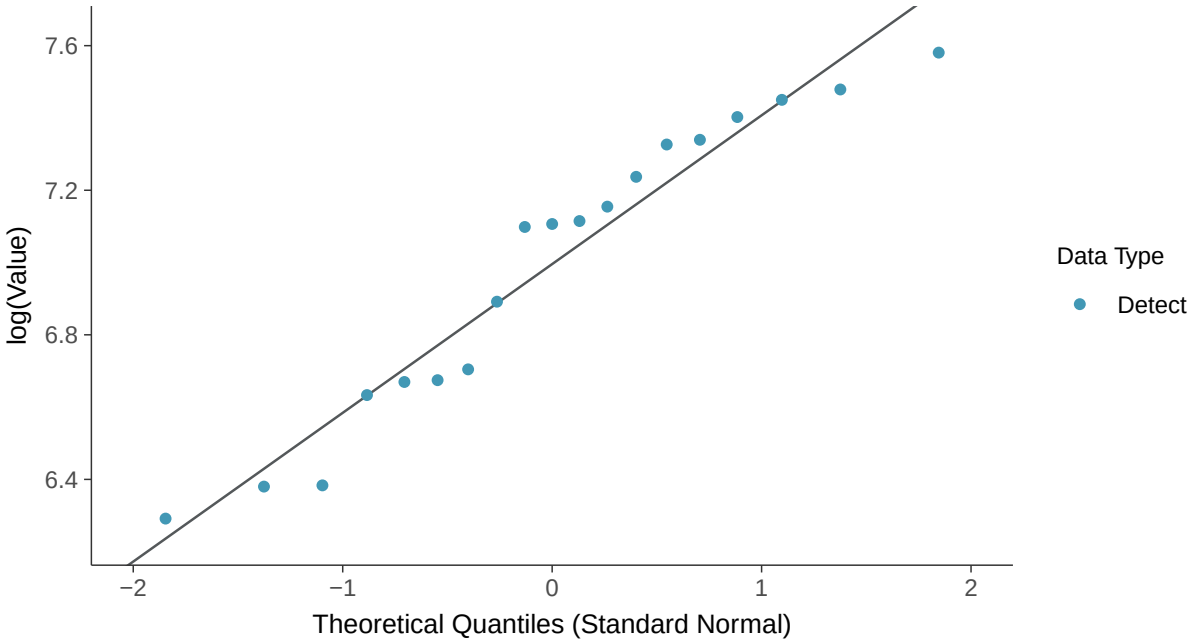
Normal Q-Q plot

Total Dissolved Solids, MW-5 (mg/l)



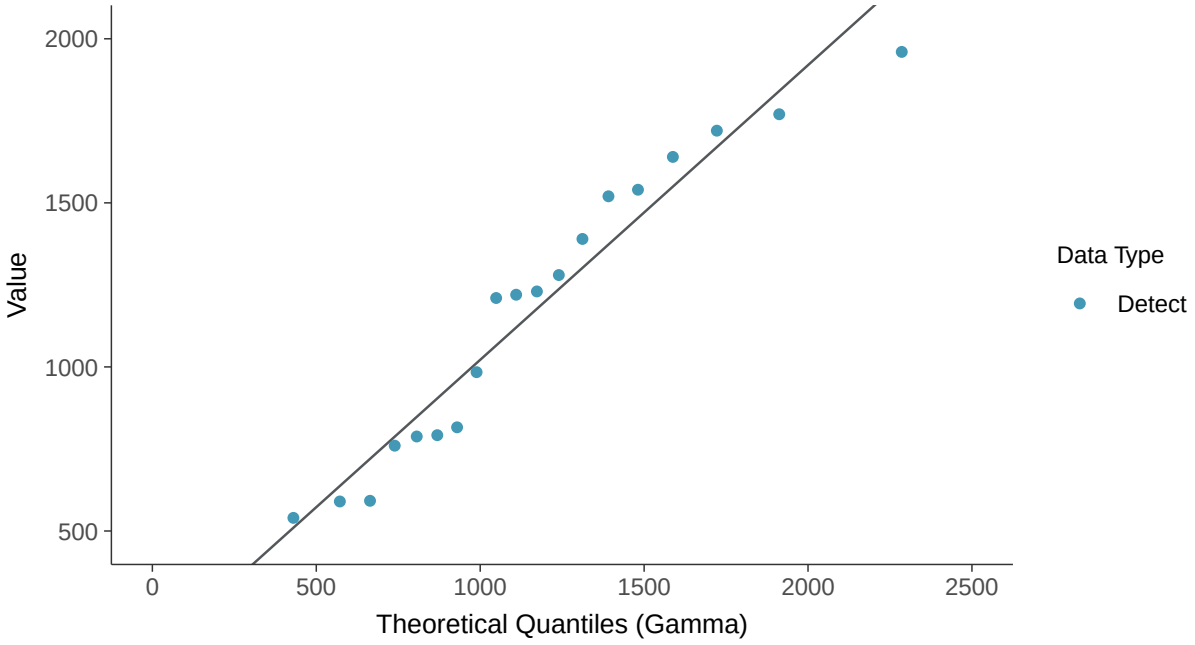
Lognormal Q-Q plot

Total Dissolved Solids, MW-5 (mg/l)



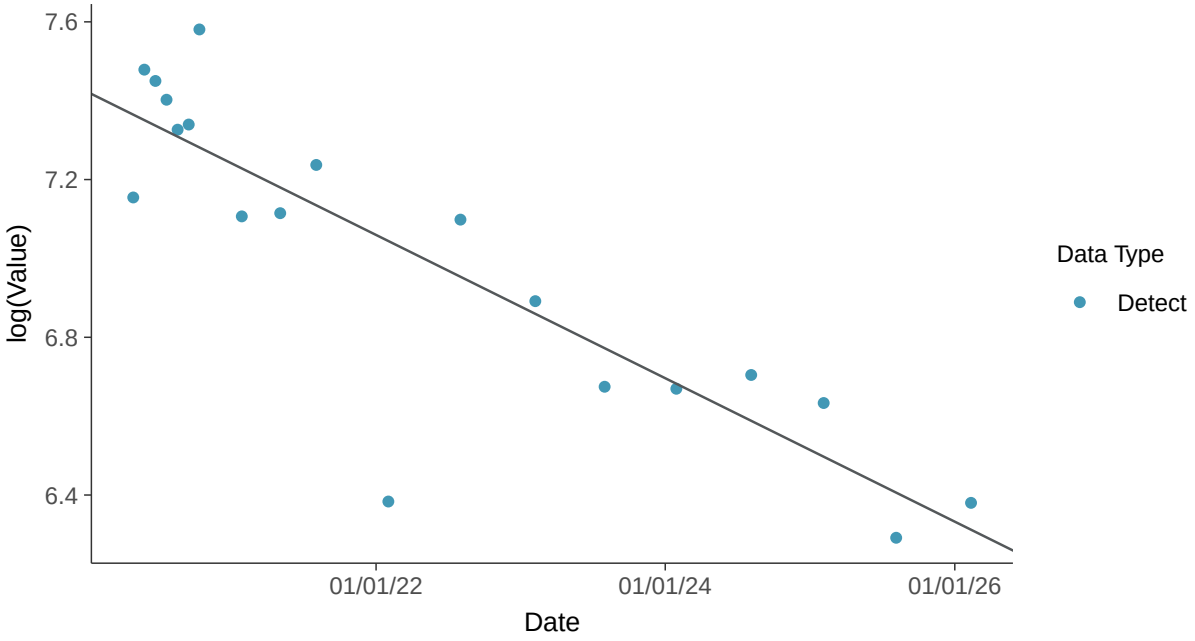
Gamma Q-Q plot

Total Dissolved Solids, MW-5 (mg/l)



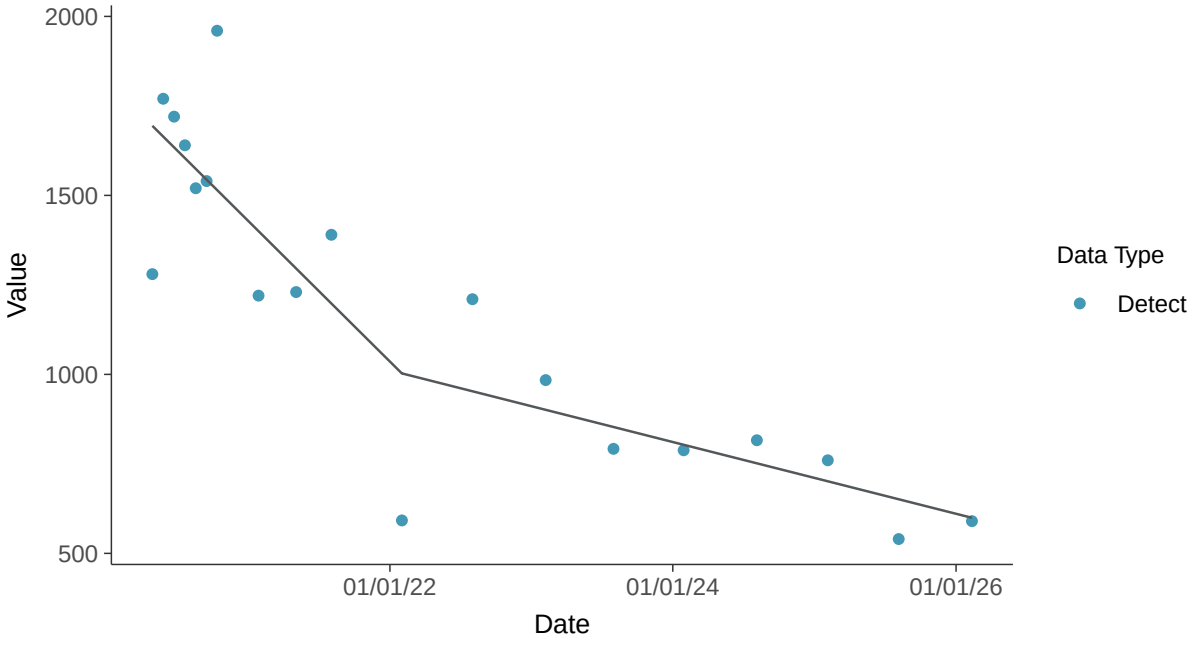
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-5 (mg/l)



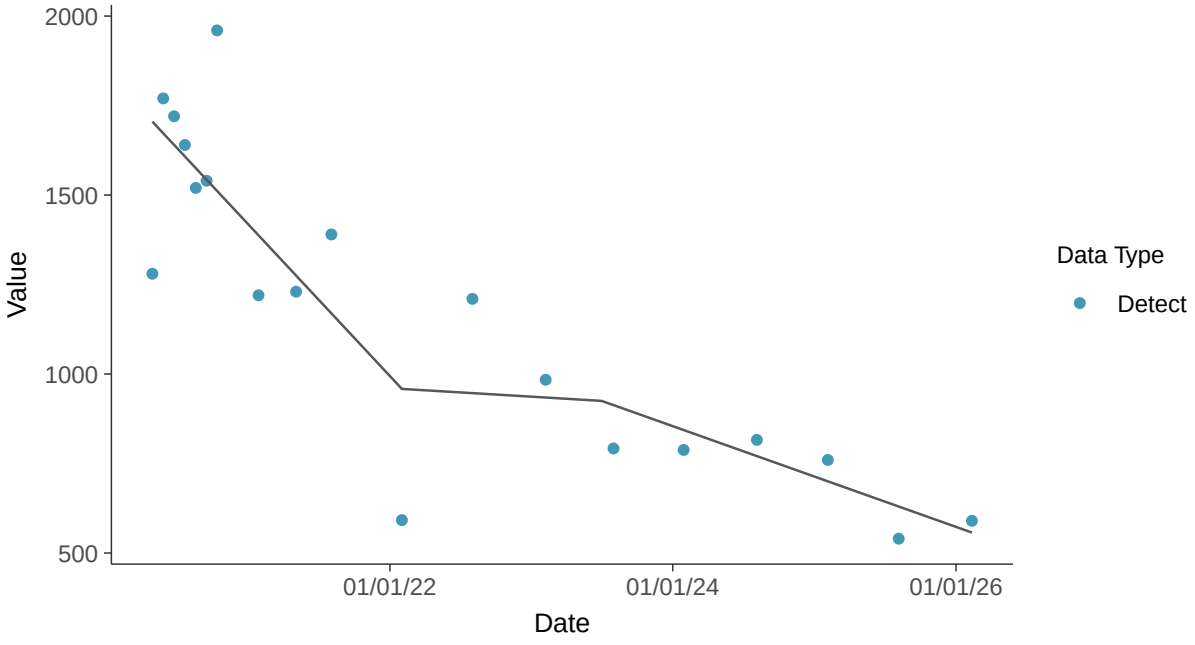
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-5 (mg/l)



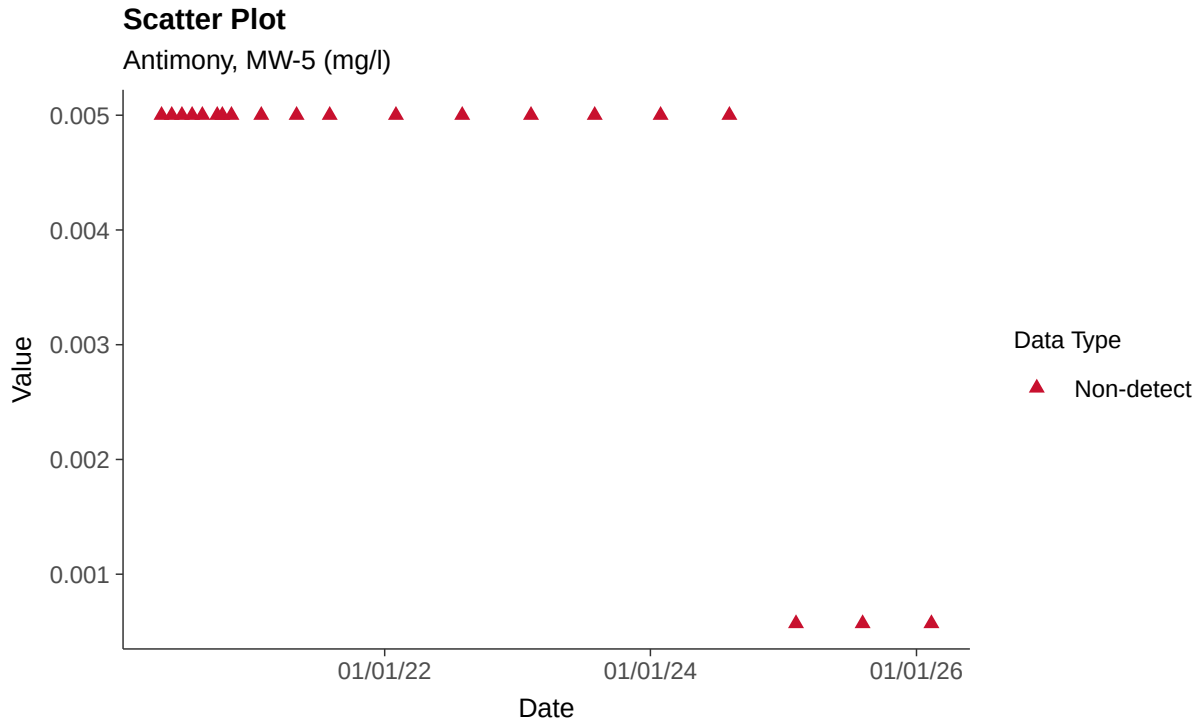
Trend Regression: Piecewise Linear-Linear-Linear

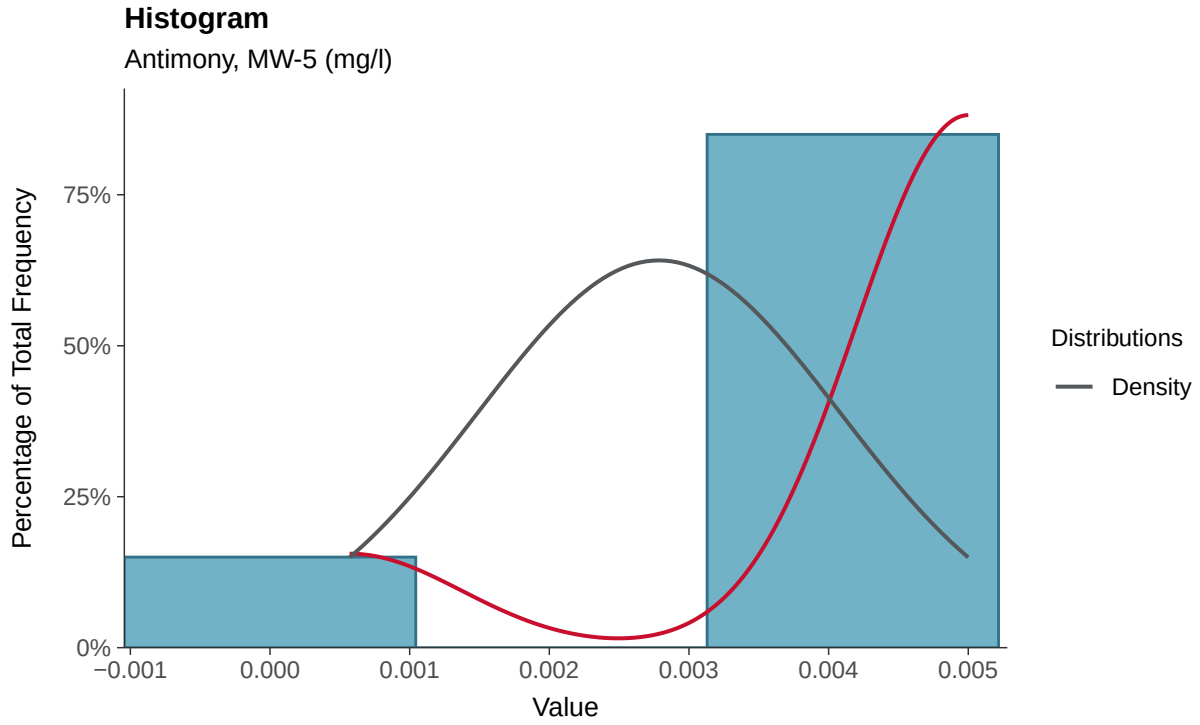
Total Dissolved Solids, MW-5 (mg/l)



Appendix IV: Antimony, MW-5

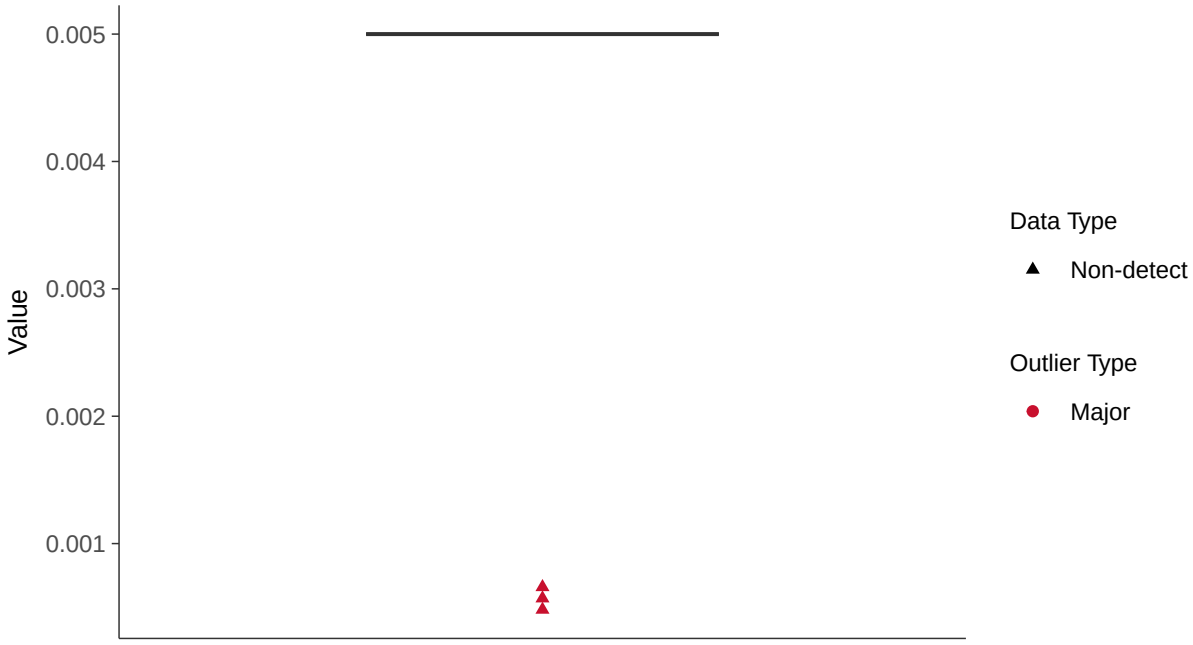
ID: 13_3_101





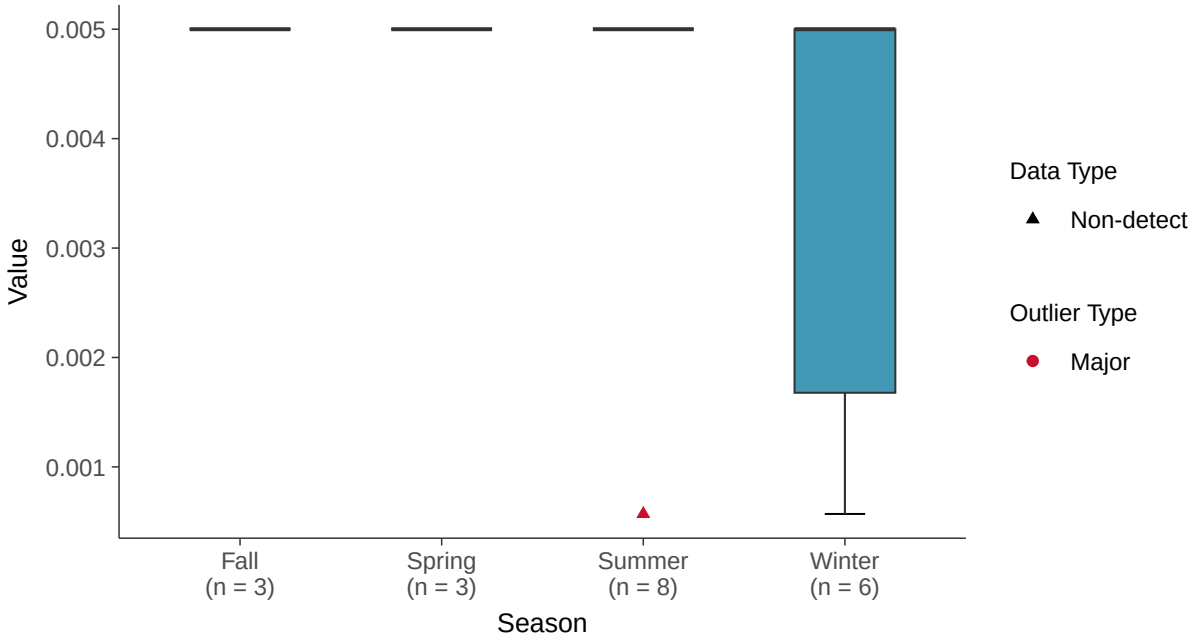
Boxplot

Antimony, MW-5 (mg/l)



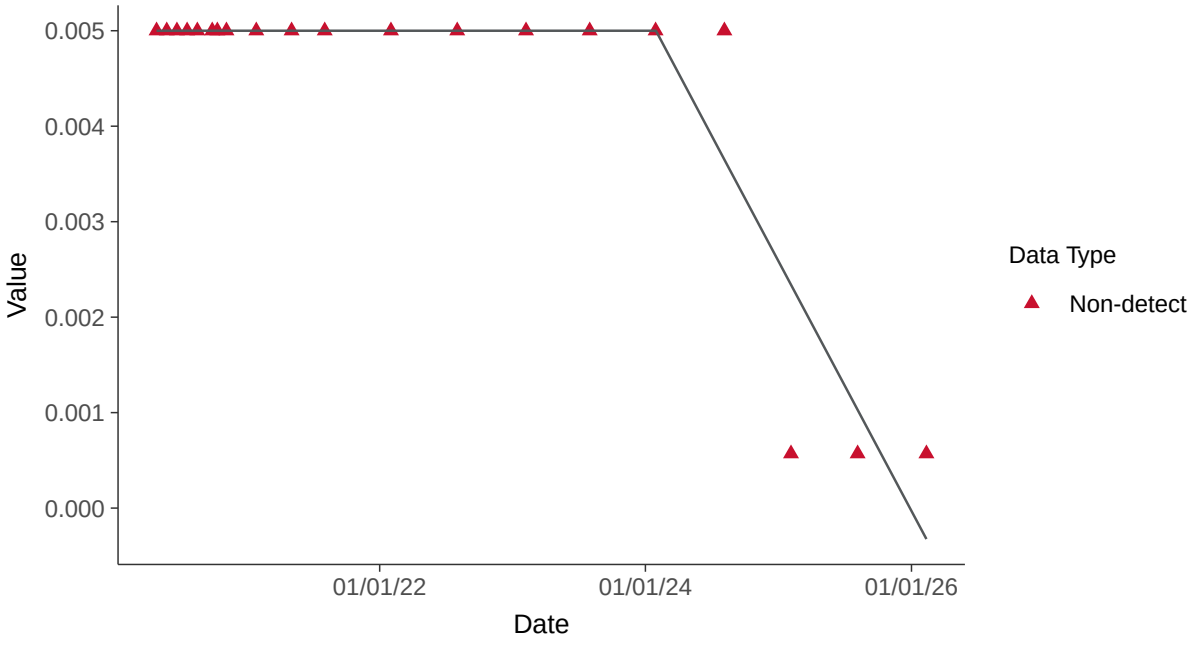
Boxplot by Season

Antimony, MW-5 (mg/l)



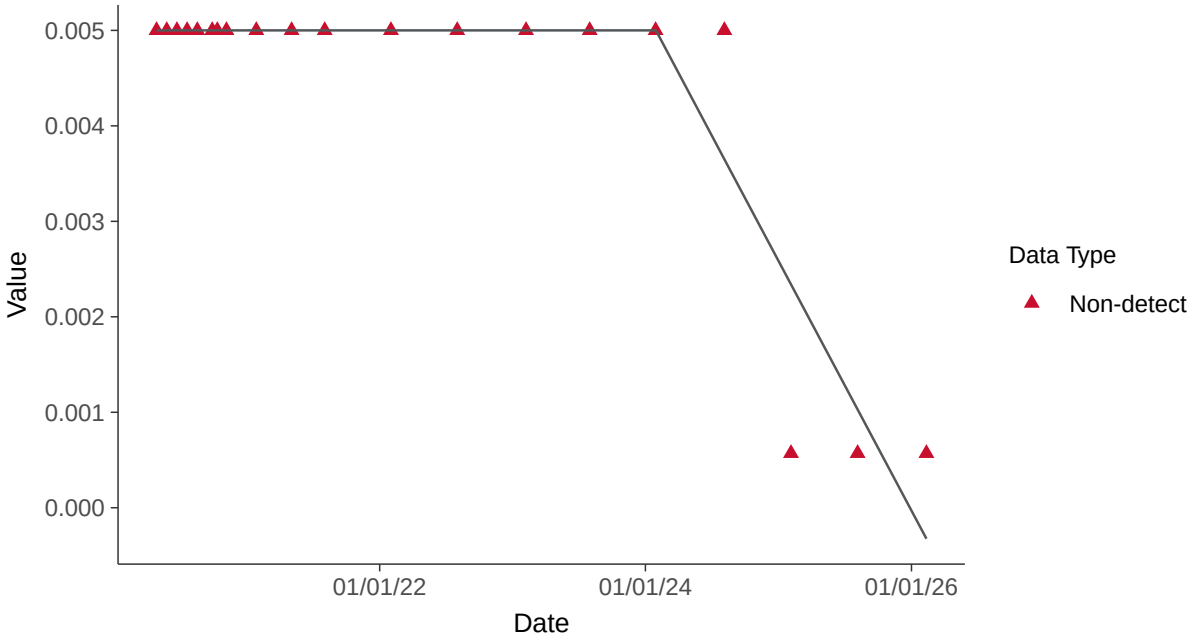
Trend Regression: Piecewise Linear-Linear

Antimony, MW-5 (mg/l)



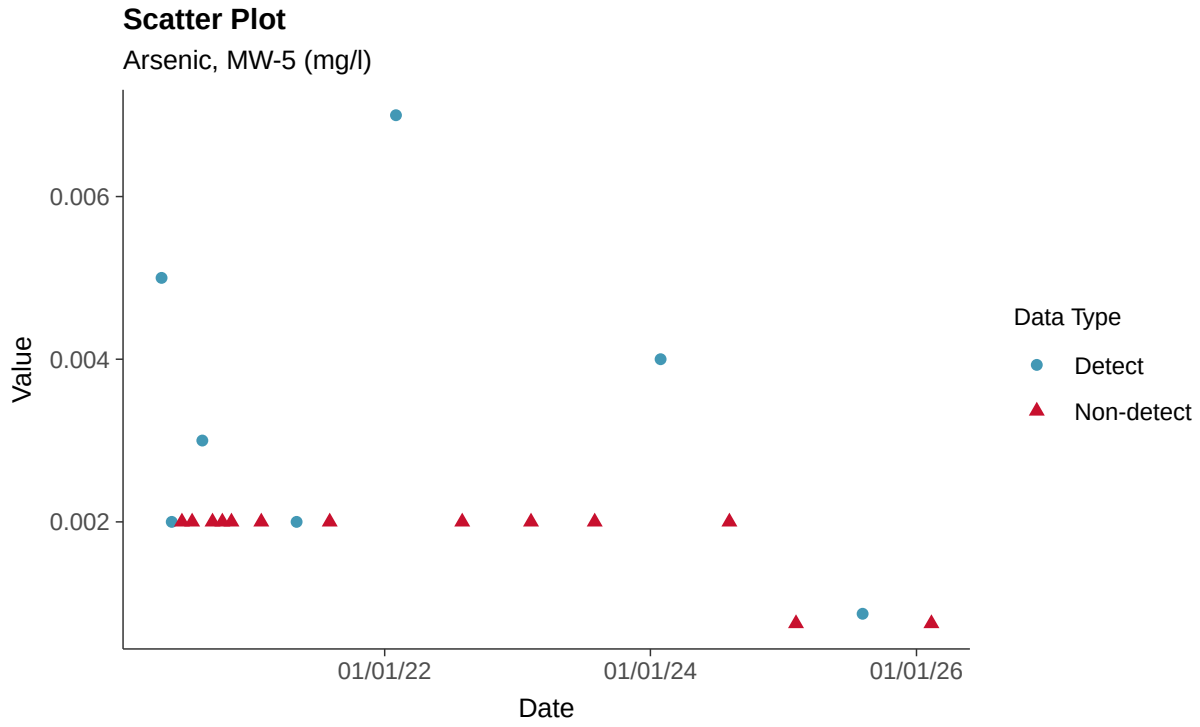
Trend Regression: Piecewise Linear-Linear-Linear

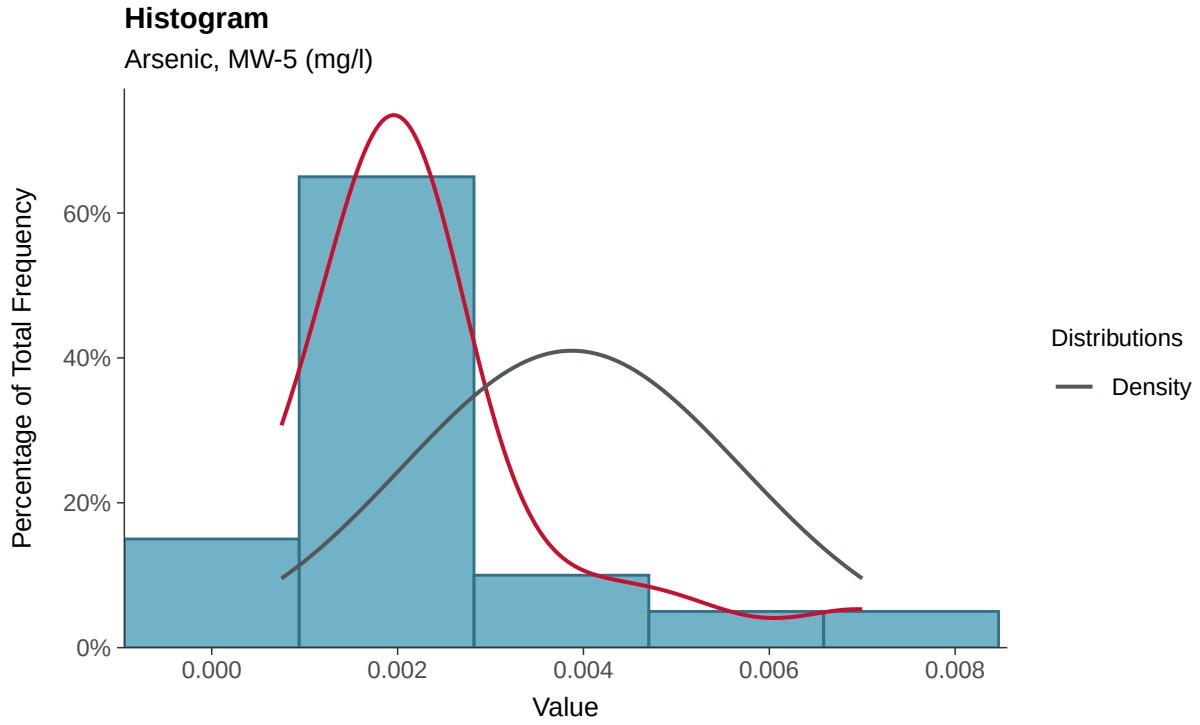
Antimony, MW-5 (mg/l)



Appendix IV: Arsenic, MW-5

ID: 13_3_102



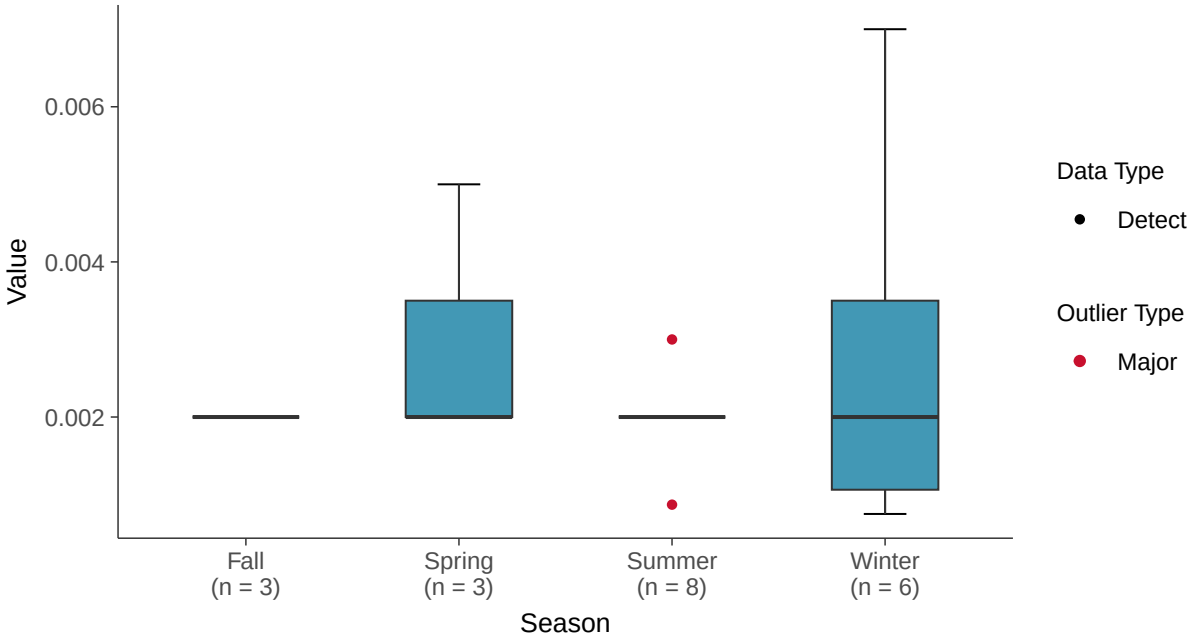


Boxplot

Arsenic, MW-5 (mg/l)

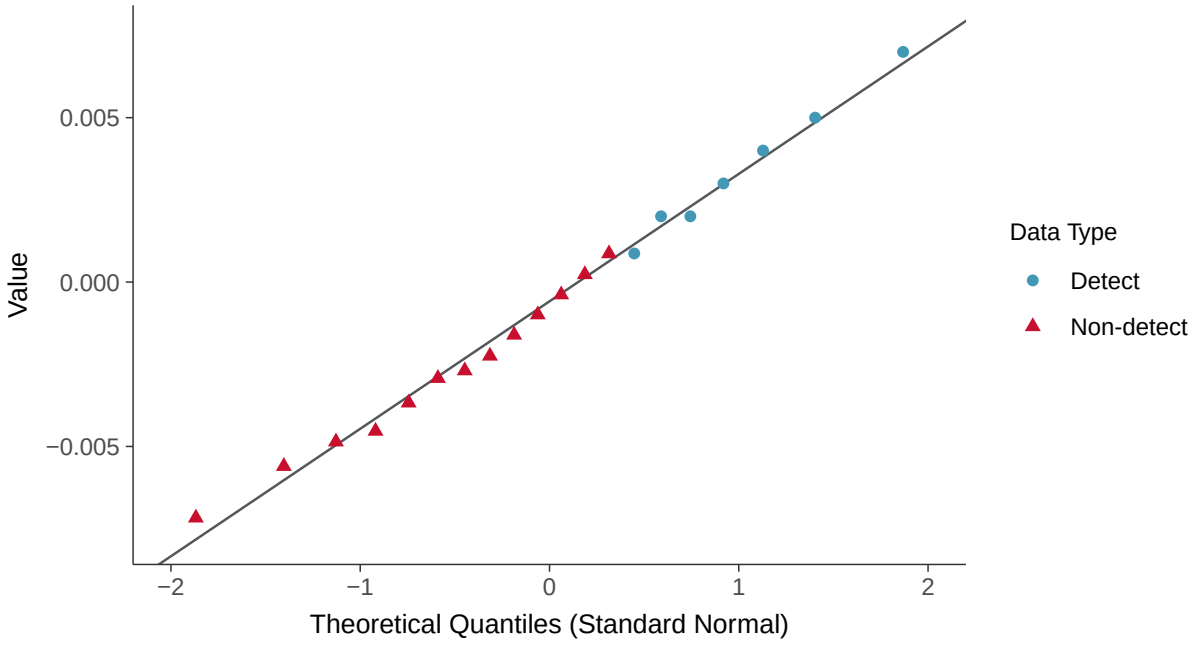
Boxplot by Season

Arsenic, MW-5 (mg/l)



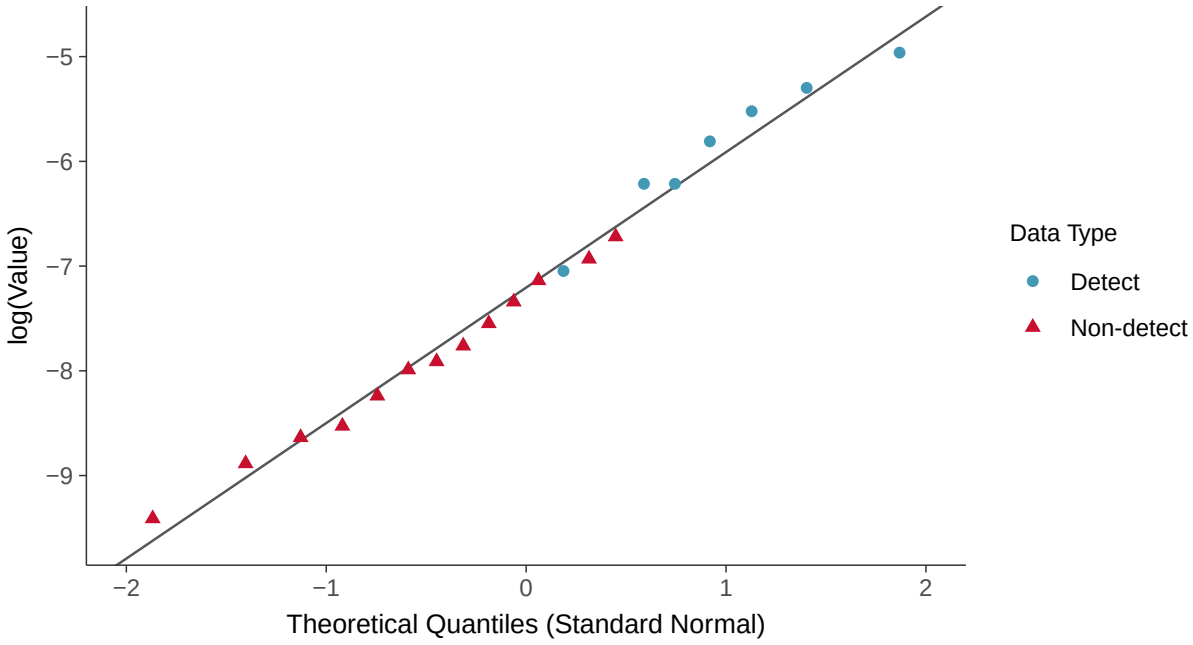
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-5 (mg/l)



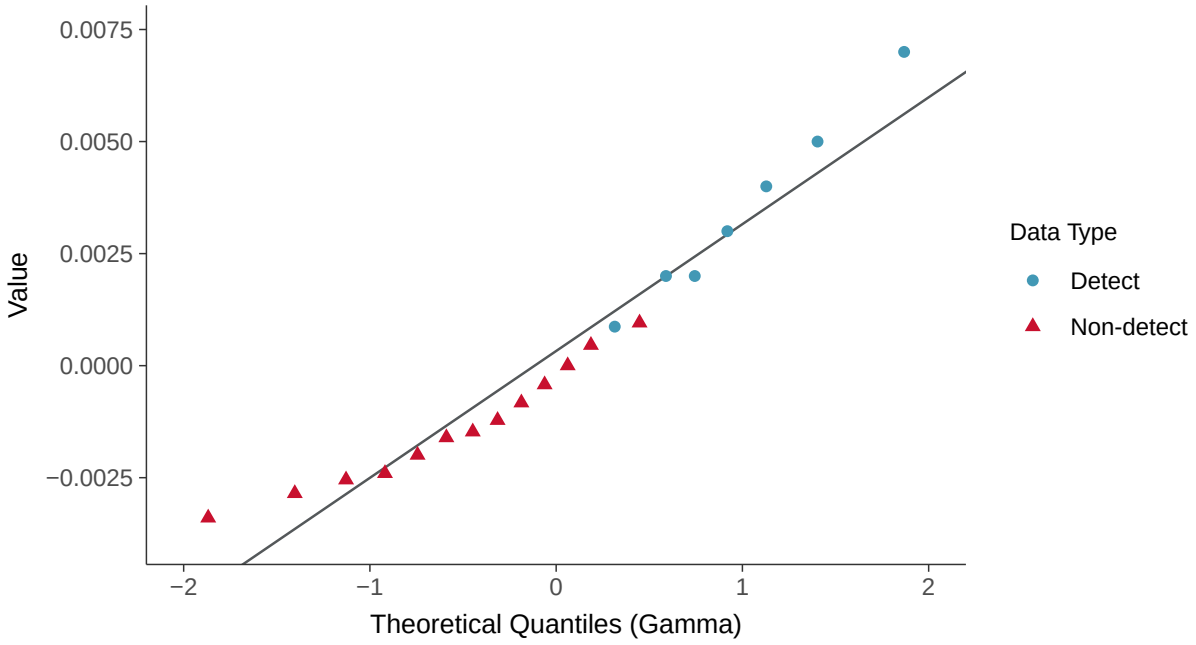
Lognormal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-5 (mg/l)



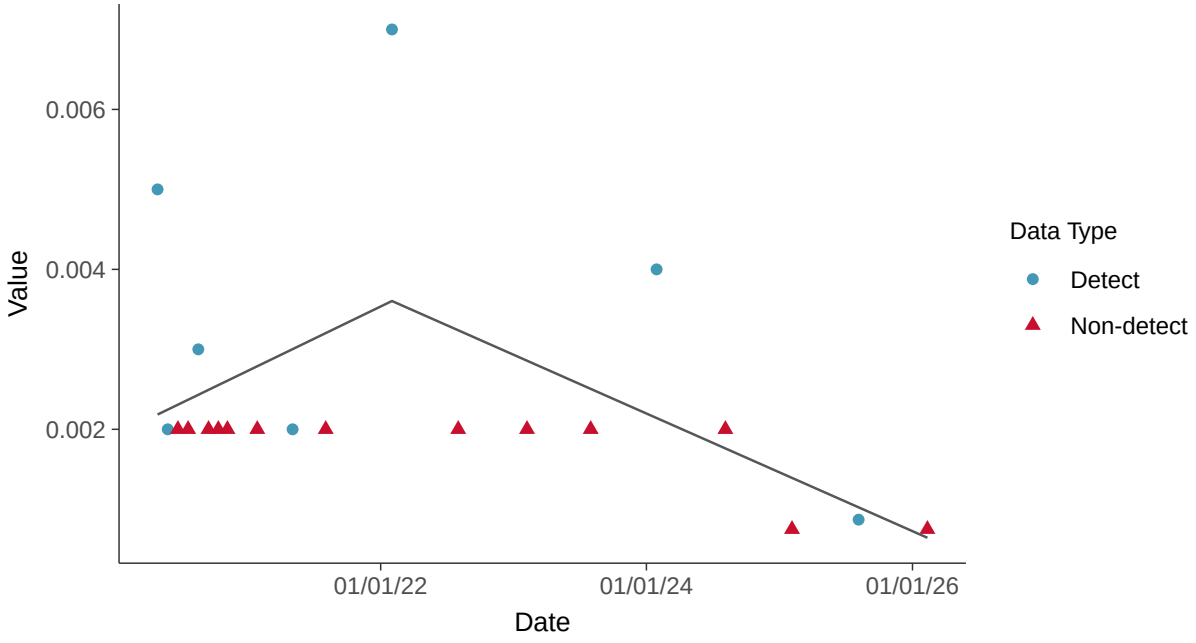
Gamma Q-Q plot using ROS Imputed Estimates

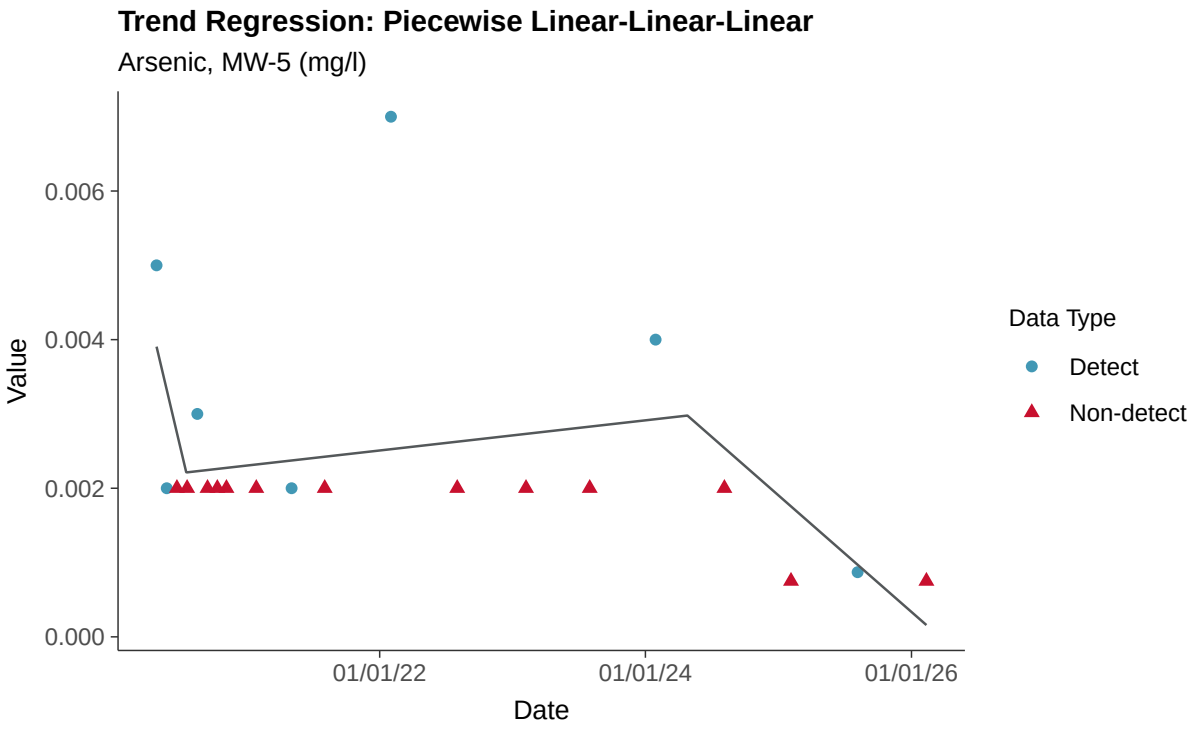
Arsenic, MW-5 (mg/l)



Trend Regression: Piecewise Linear-Linear

Arsenic, MW-5 (mg/l)



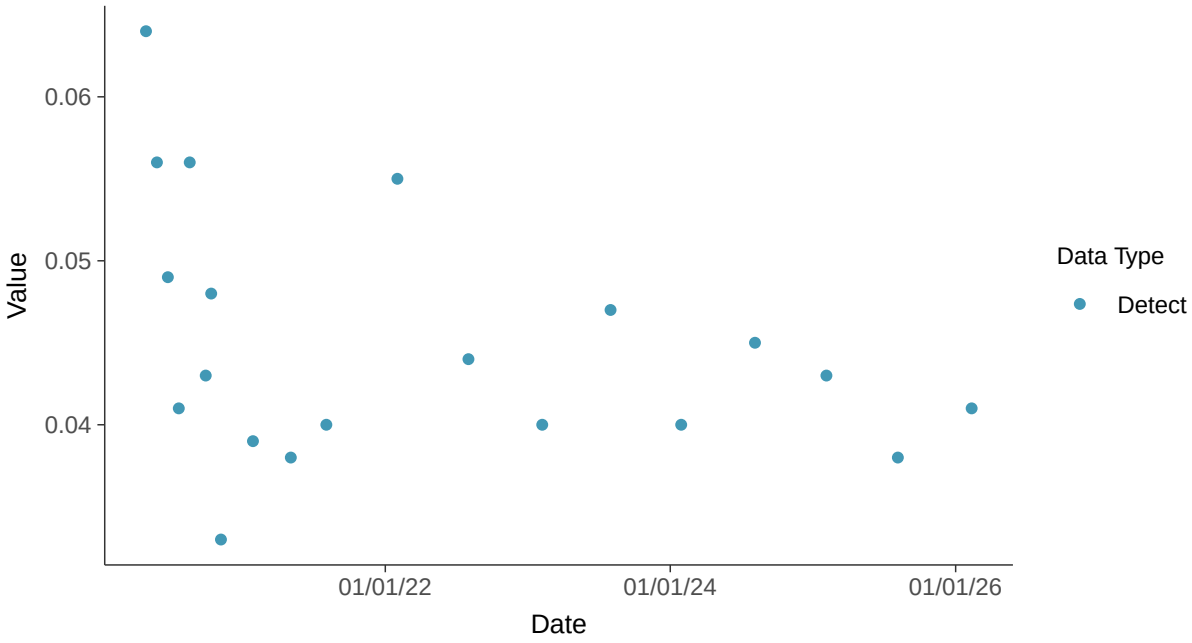

Trend Regression: Piecewise Linear-Linear-Linear
Arsenic, MW-5 (mg/l)
Value
0.006
0.004
0.002
0.000
01/01/22
01/01/24
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Barium, MW-5

ID: 13_3_103

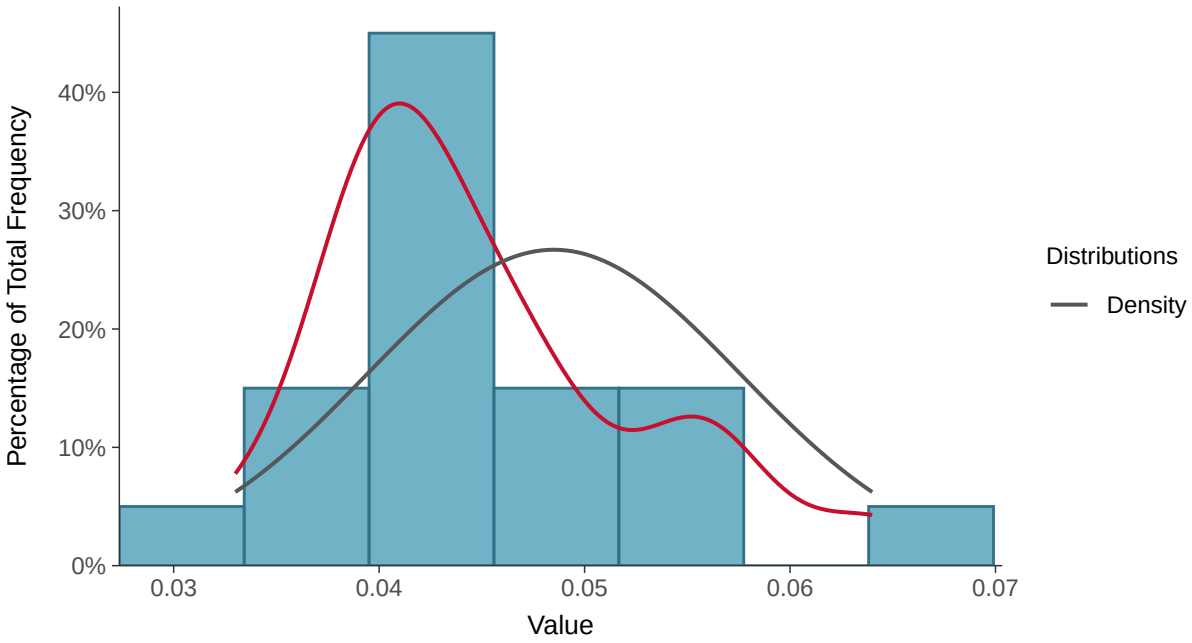
Scatter Plot

Barium, MW-5 (mg/l)



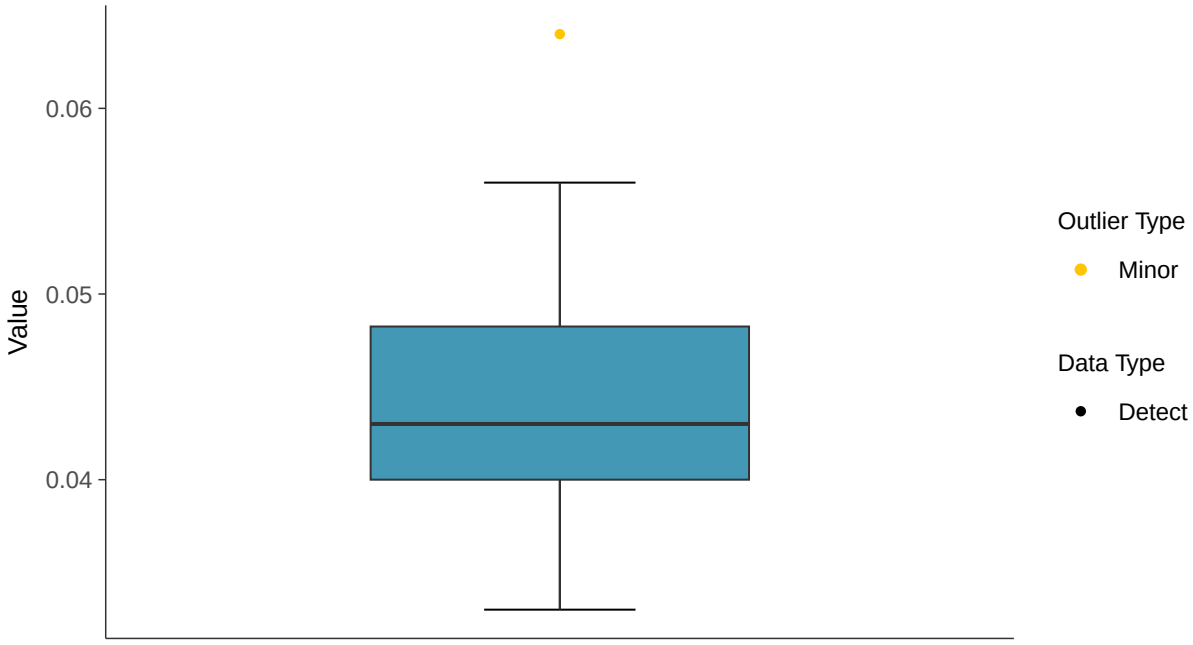
Histogram

Barium, MW-5 (mg/l)



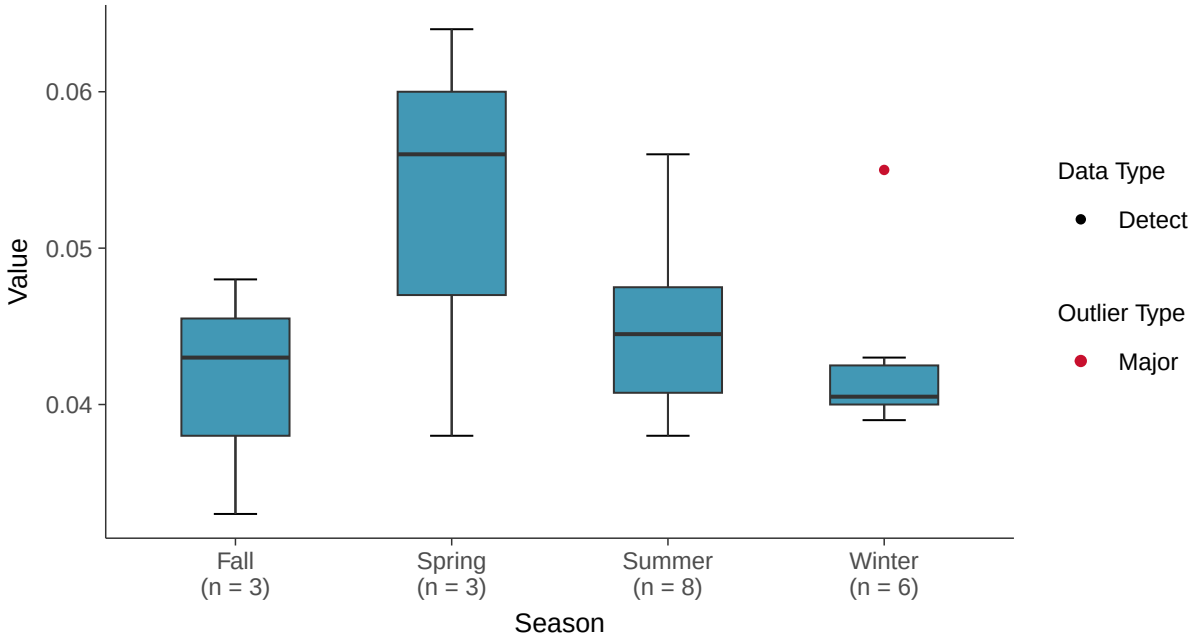
Boxplot

Barium, MW-5 (mg/l)



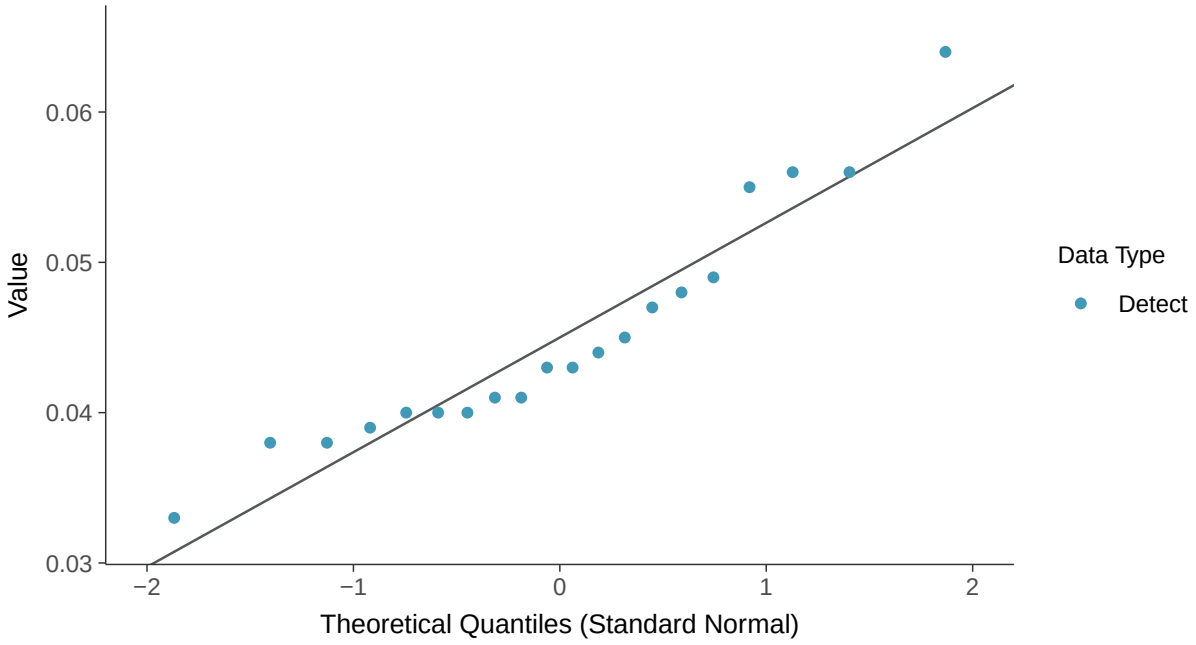
Boxplot by Season

Barium, MW-5 (mg/l)



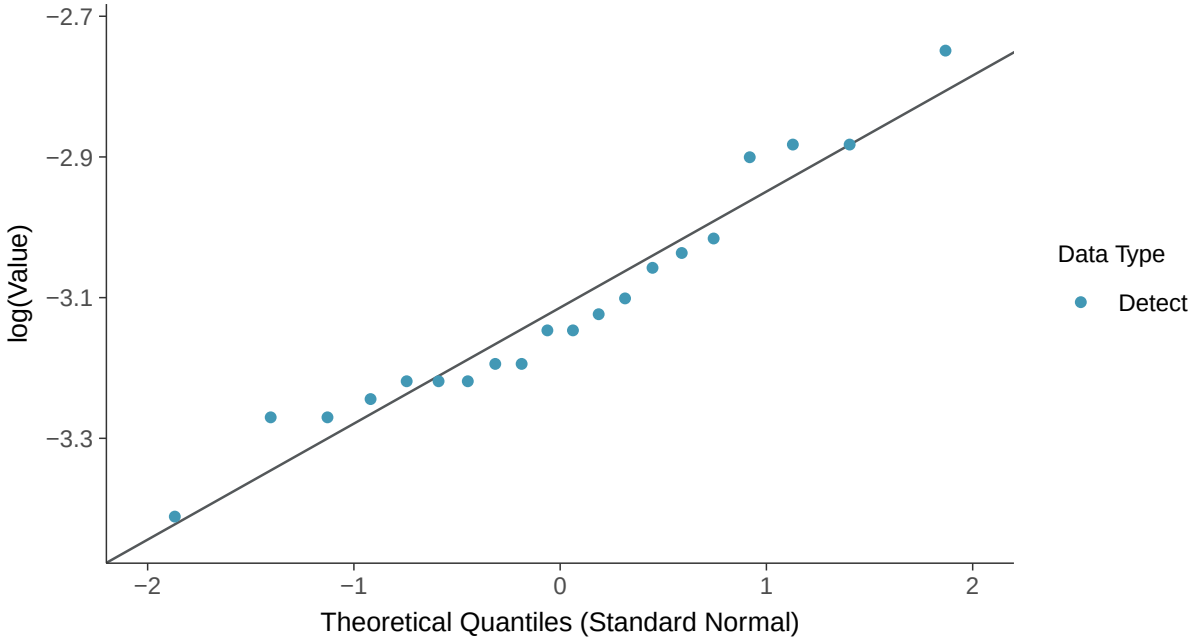
Normal Q-Q plot

Barium, MW-5 (mg/l)



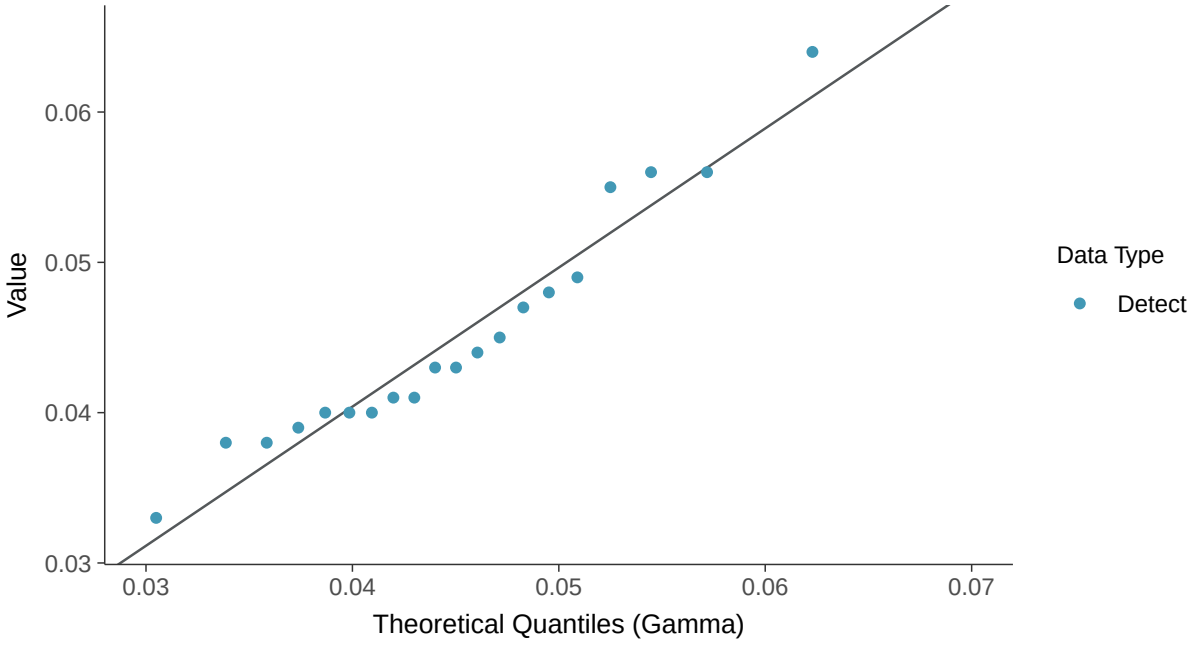
Lognormal Q-Q plot

Barium, MW-5 (mg/l)



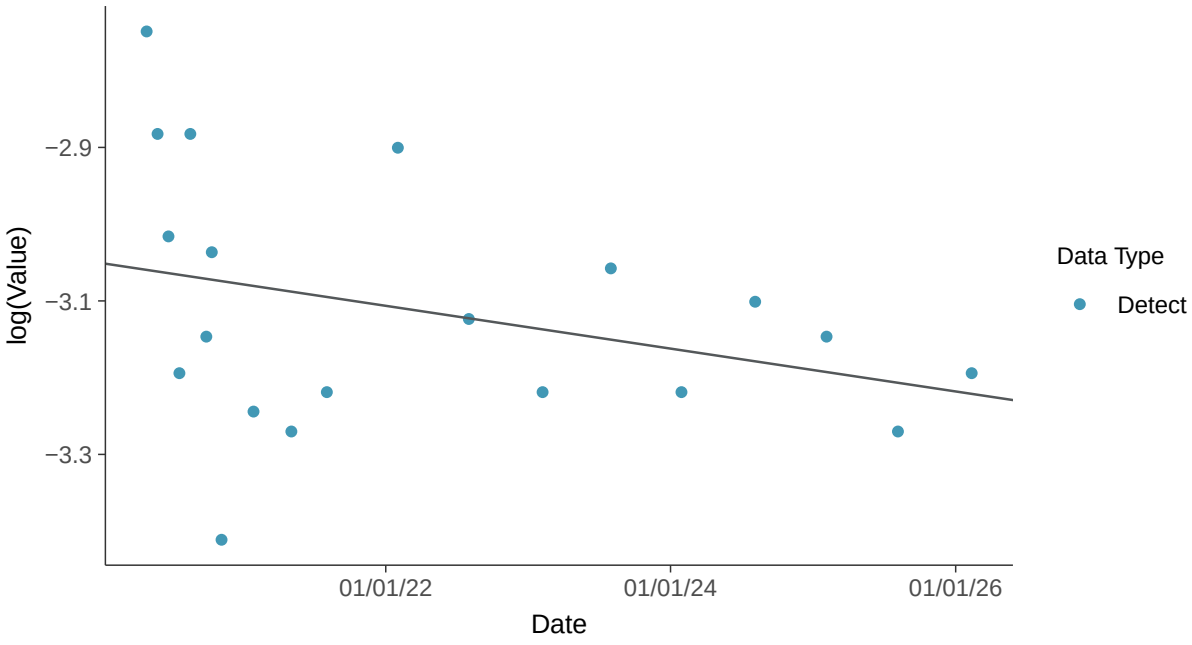
Gamma Q-Q plot

Barium, MW-5 (mg/l)



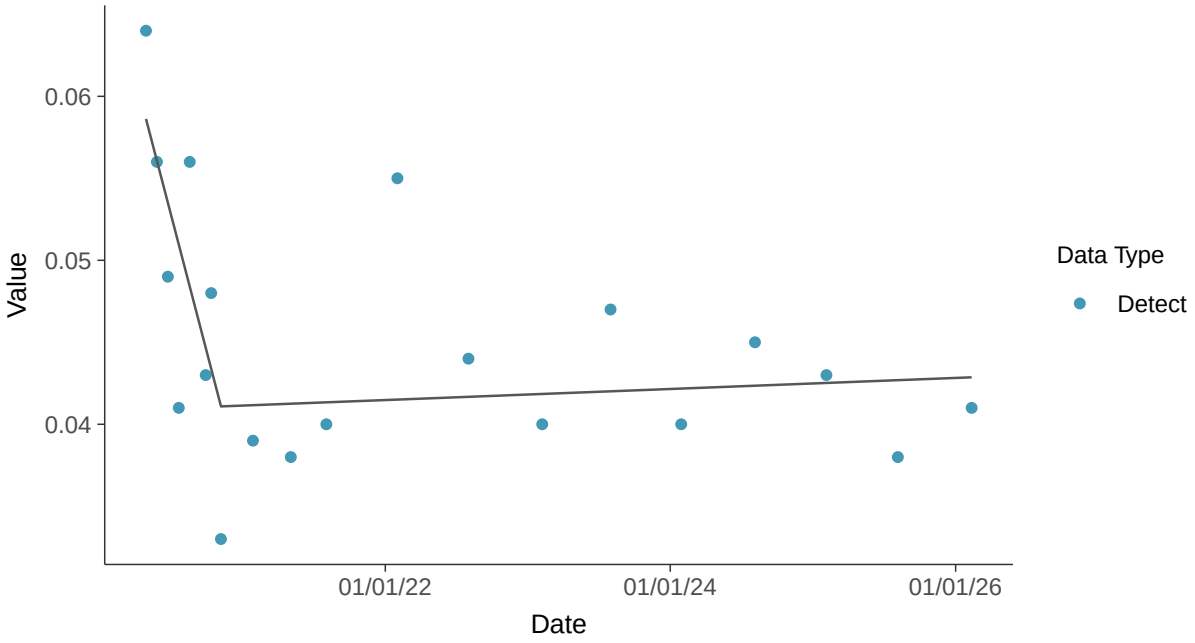
Trend Regression: Lognormal MLE

Barium, MW-5 (mg/l)



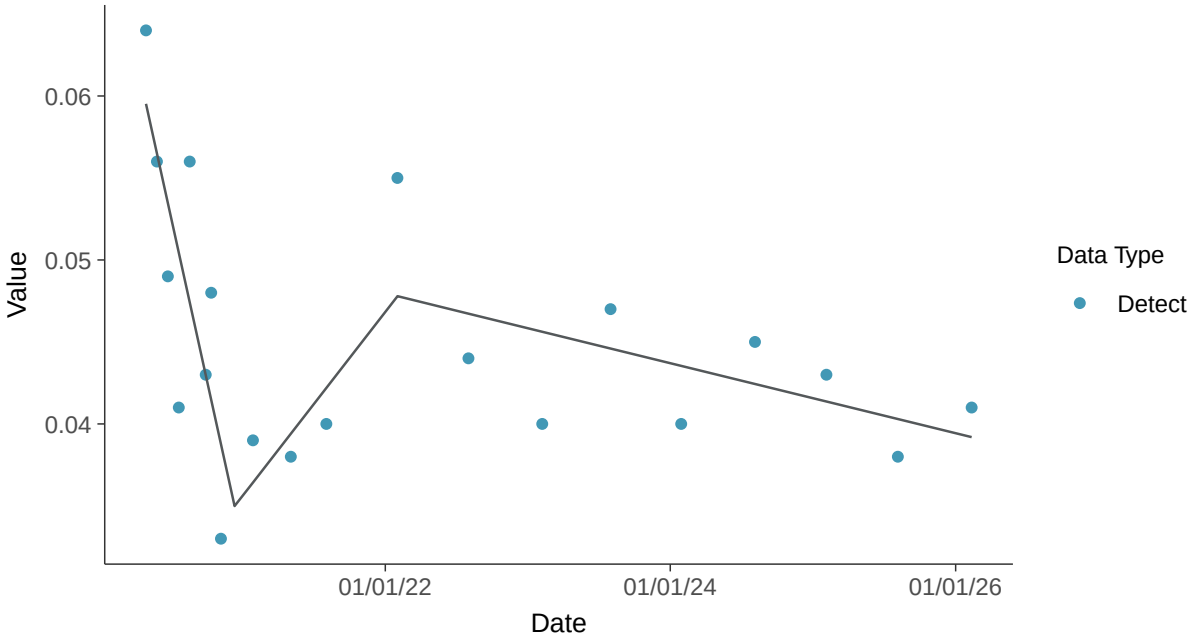
Trend Regression: Piecewise Linear-Linear

Barium, MW-5 (mg/l)



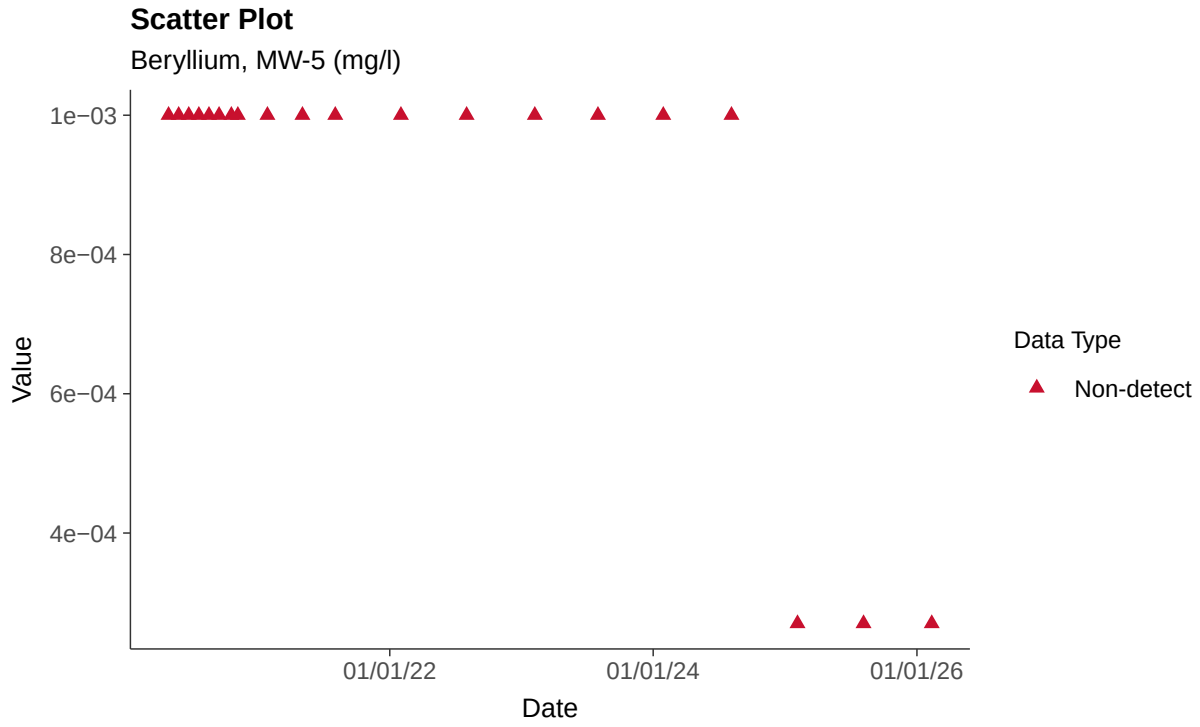
Trend Regression: Piecewise Linear-Linear-Linear

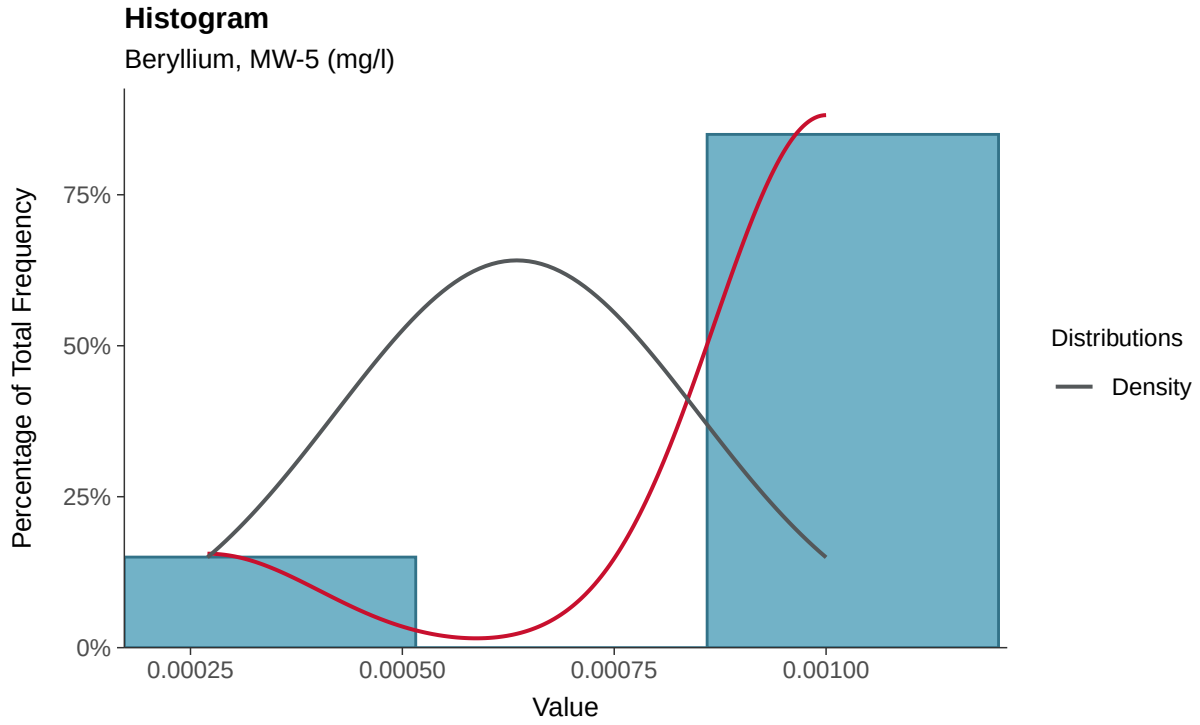
Barium, MW-5 (mg/l)



Appendix IV: Beryllium, MW-5

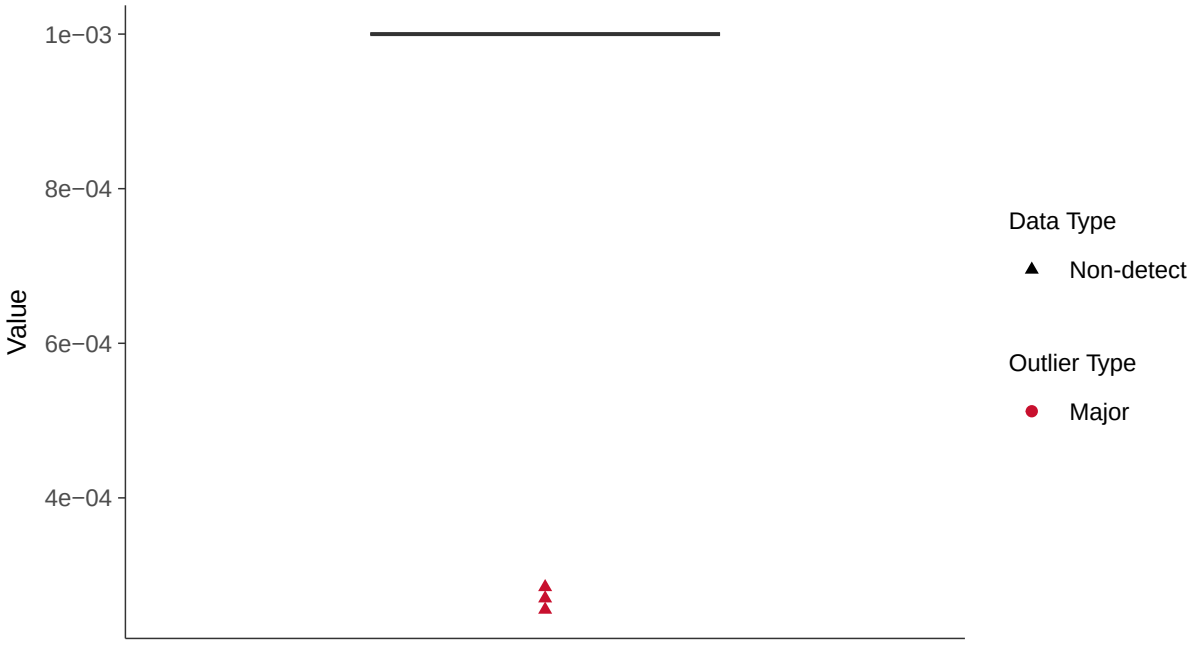
ID: 13_3_104





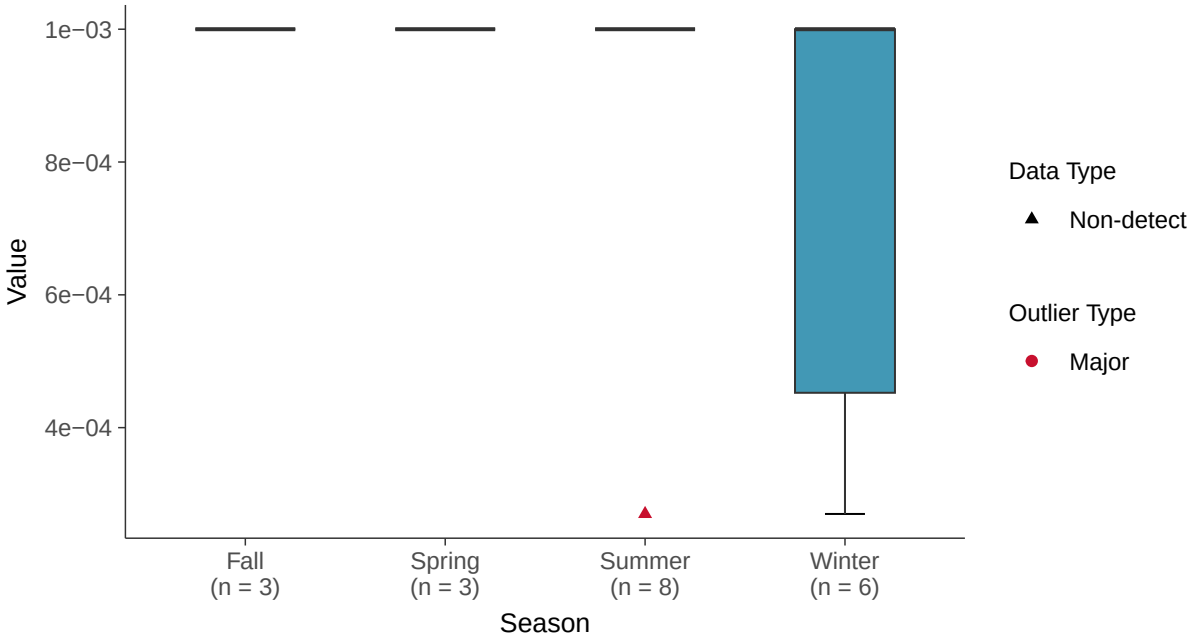
Boxplot

Beryllium, MW-5 (mg/l)



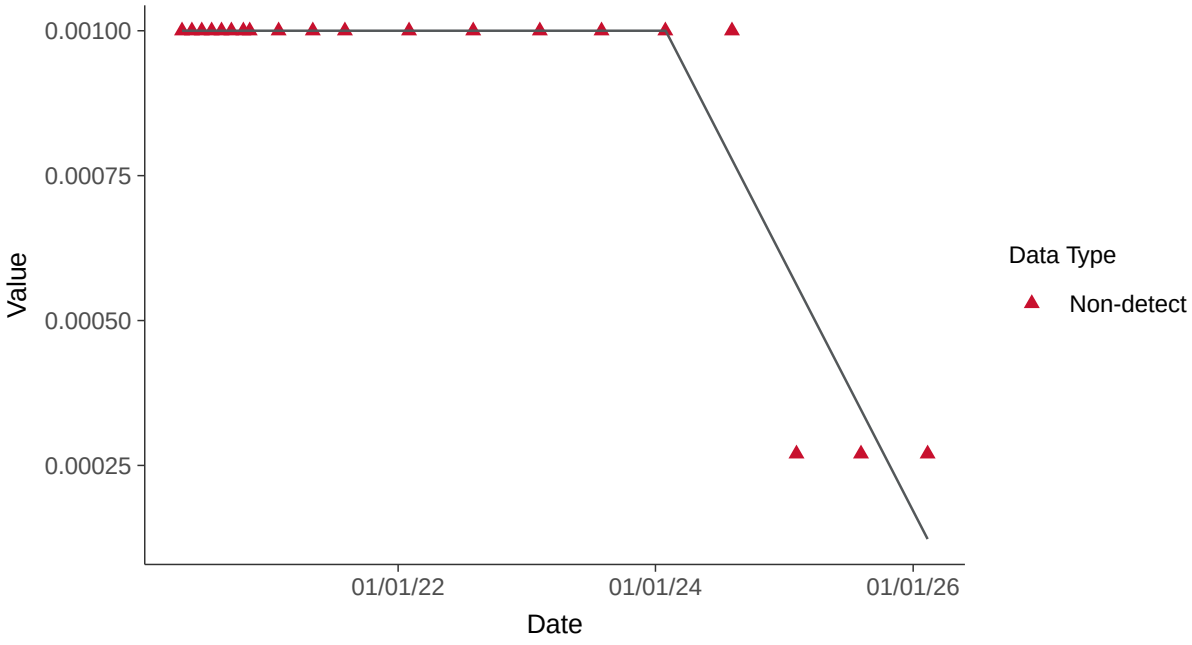
Boxplot by Season

Beryllium, MW-5 (mg/l)



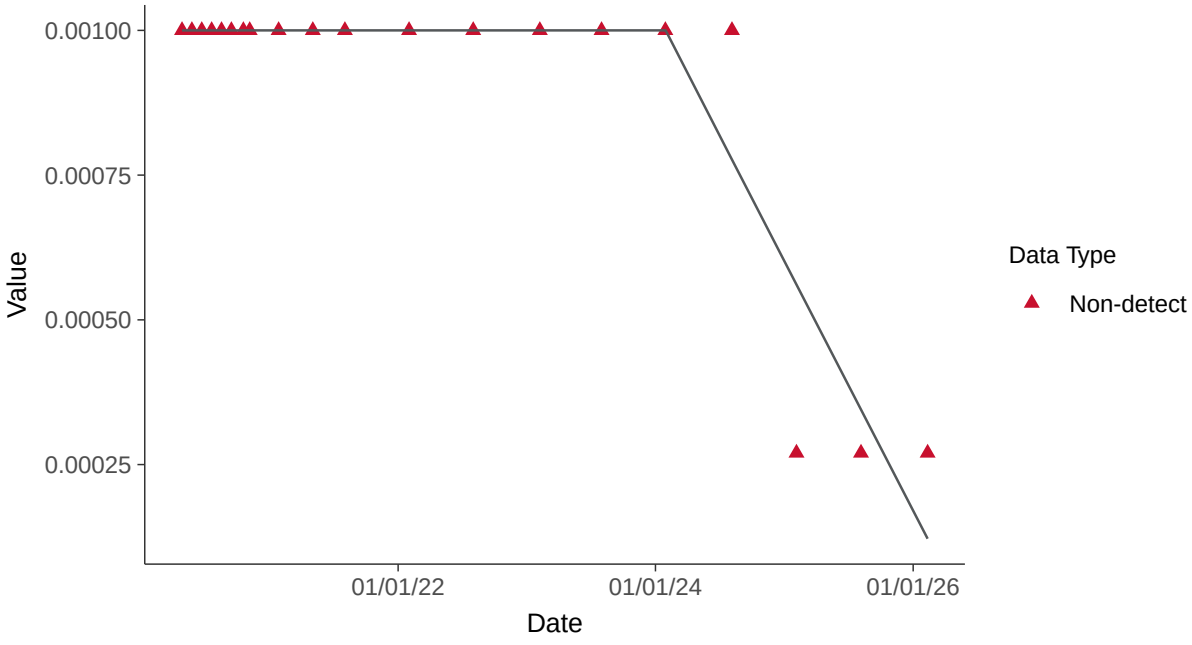
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-5 (mg/l)



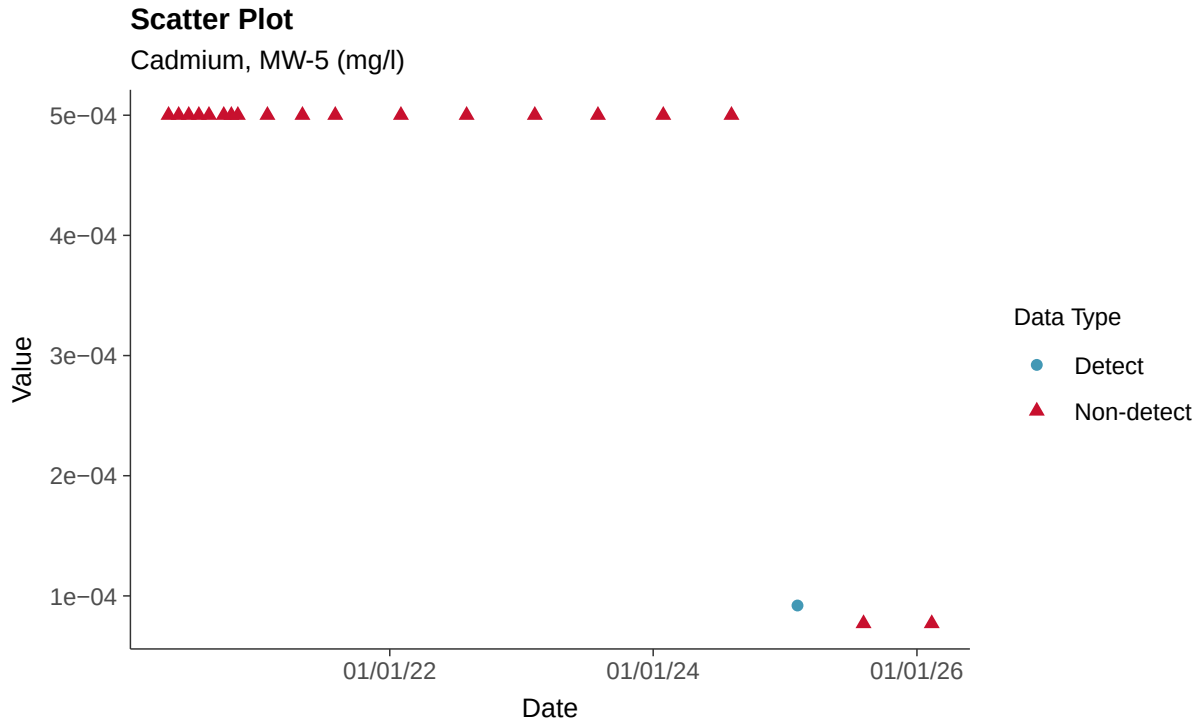
Trend Regression: Piecewise Linear-Linear-Linear

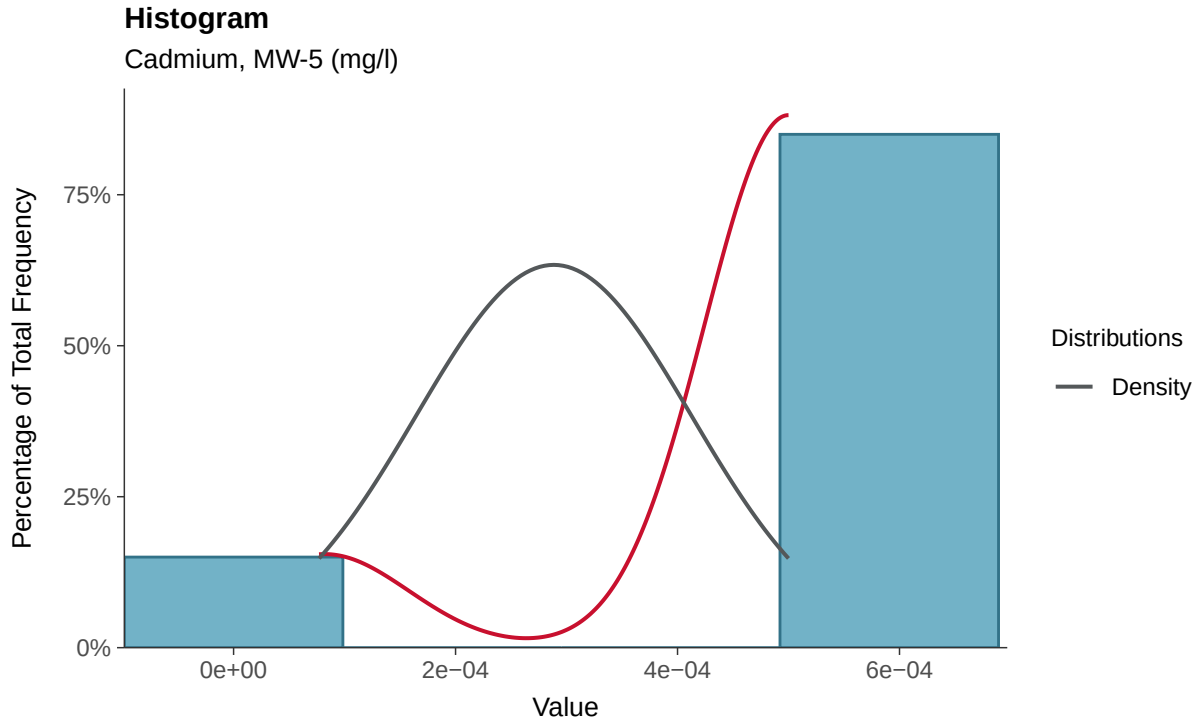
Beryllium, MW-5 (mg/l)



Appendix IV: Cadmium, MW-5

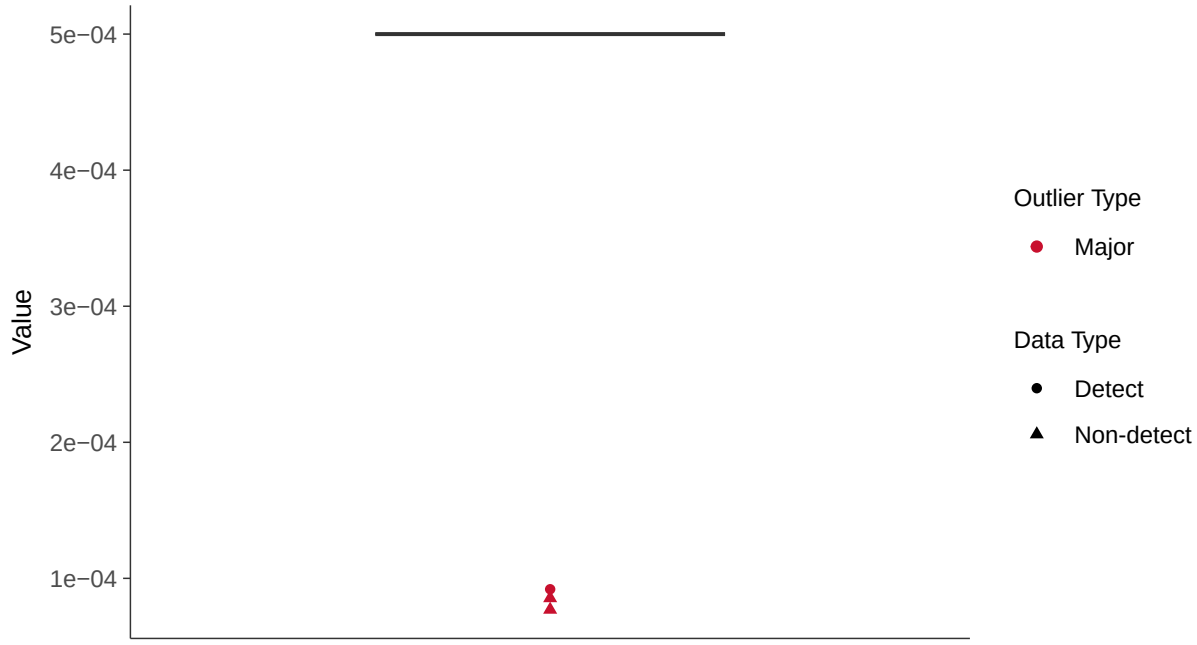
ID: 13_3_106





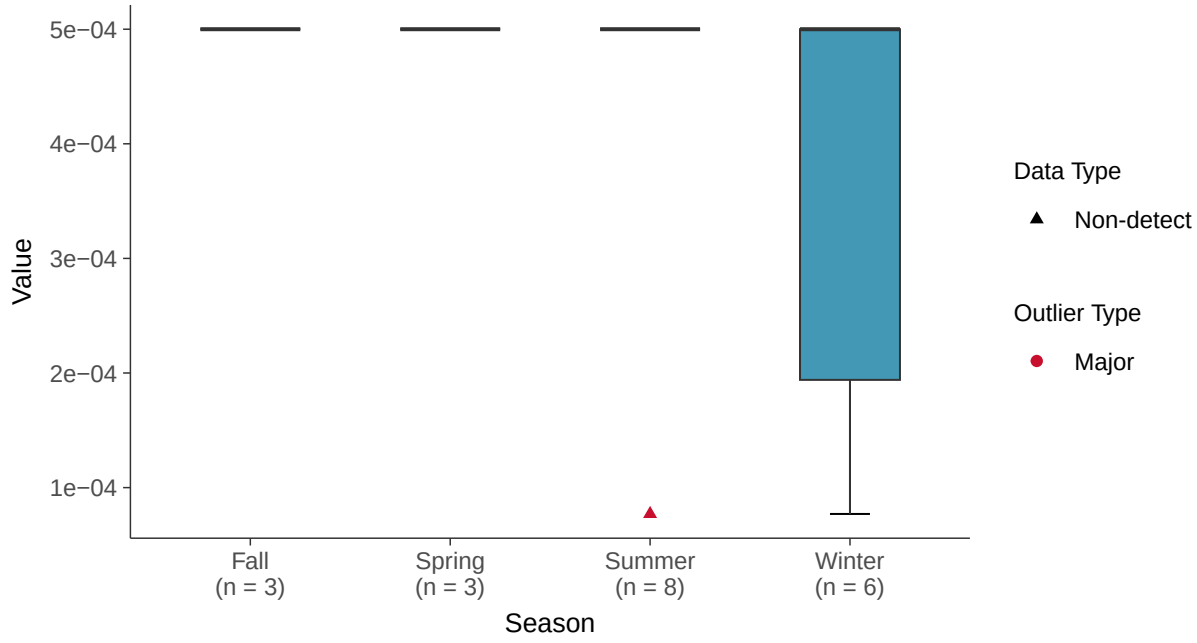
Boxplot

Cadmium, MW-5 (mg/l)



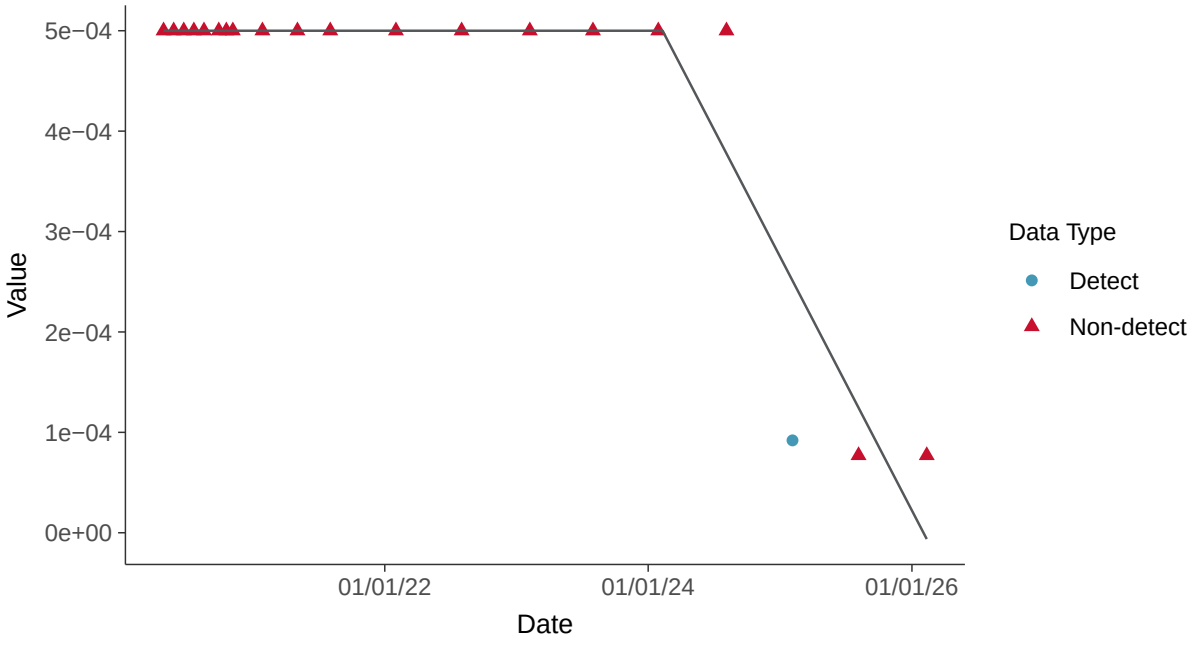
Boxplot by Season

Cadmium, MW-5 (mg/l)



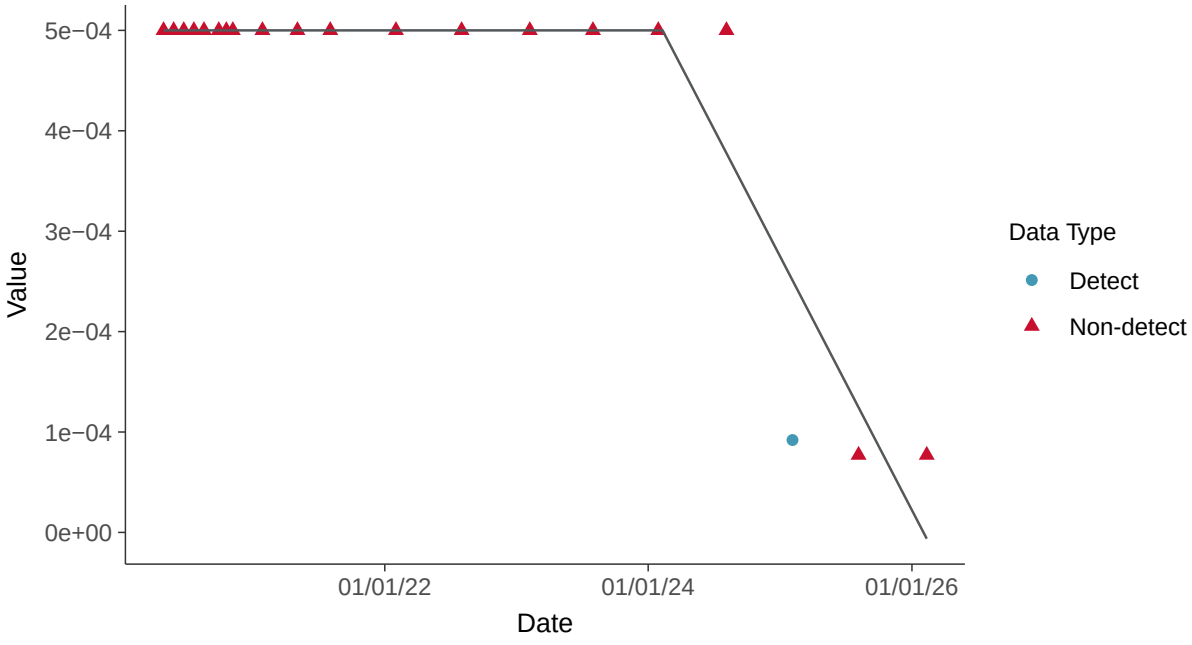
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-5 (mg/l)



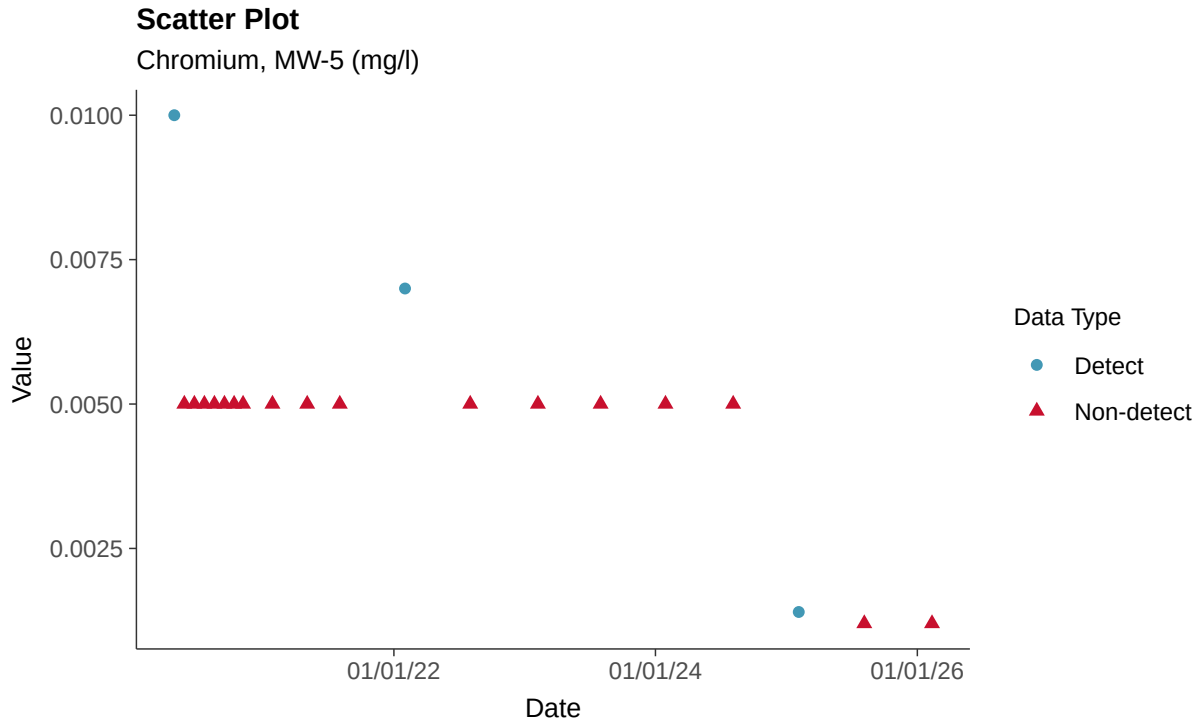
Trend Regression: Piecewise Linear-Linear-Linear

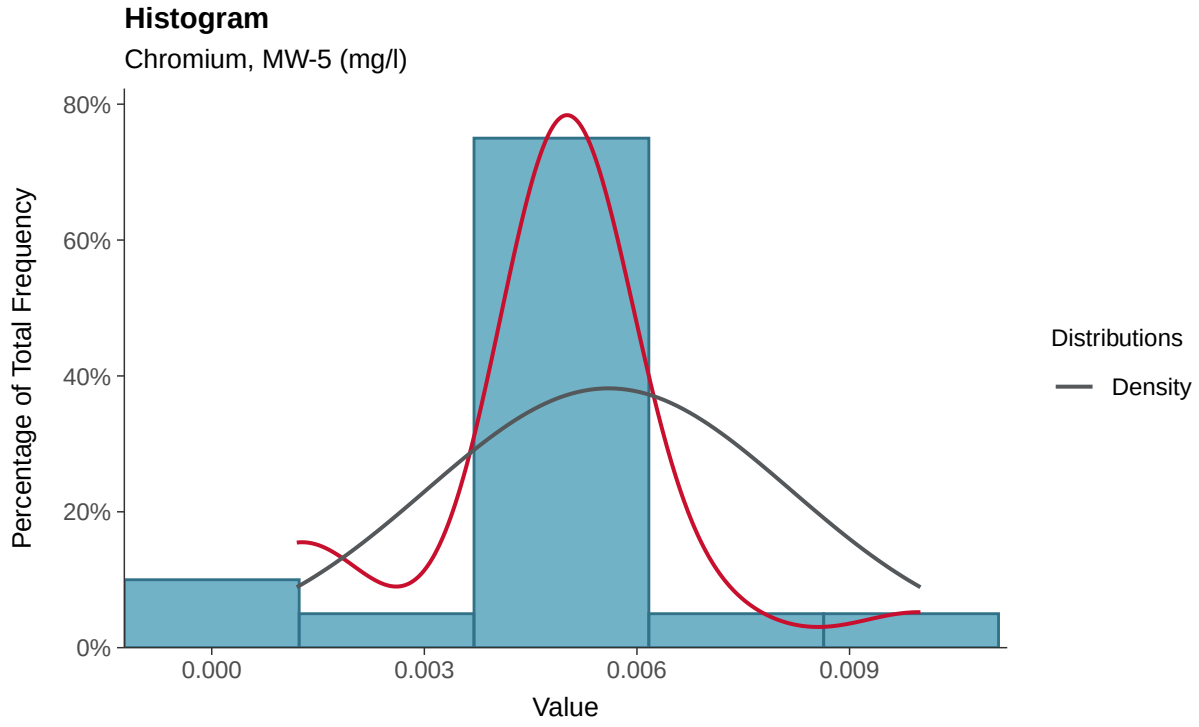
Cadmium, MW-5 (mg/l)



Appendix IV: Chromium, MW-5

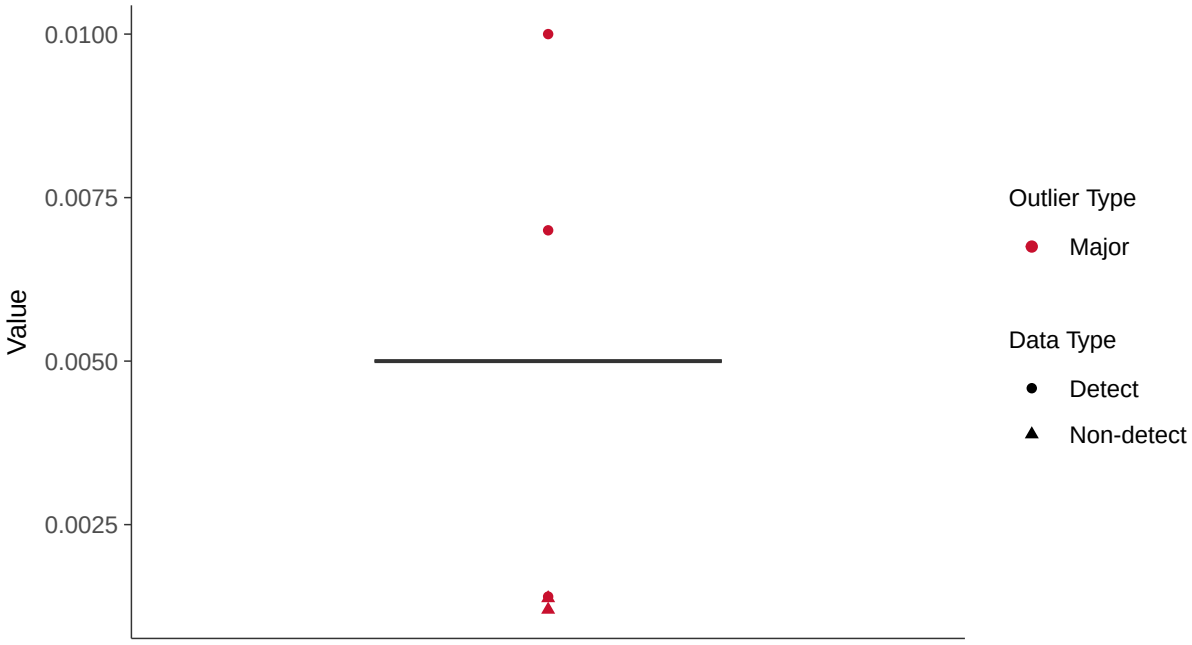
ID: 13_3_109





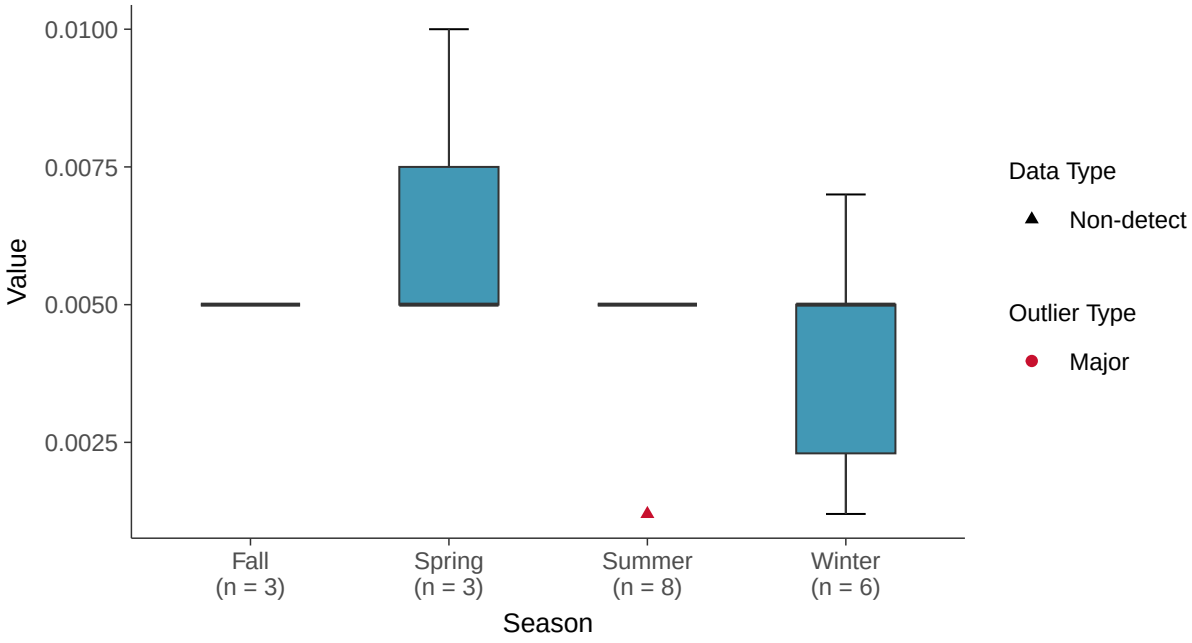
Boxplot

Chromium, MW-5 (mg/l)



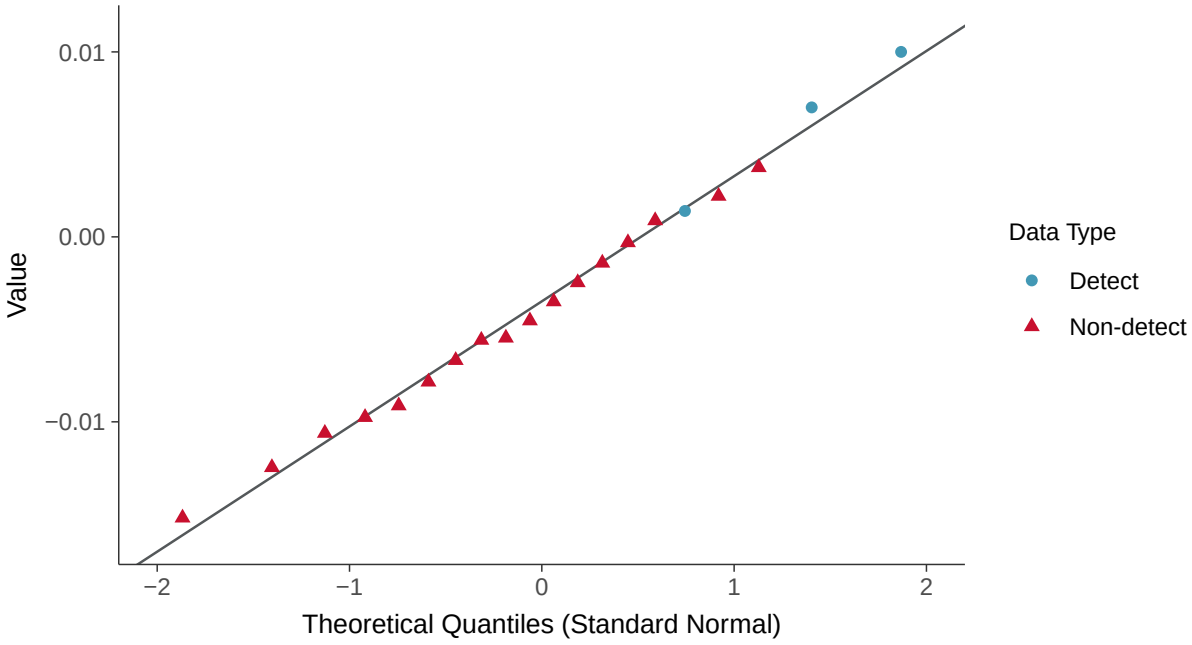
Boxplot by Season

Chromium, MW-5 (mg/l)



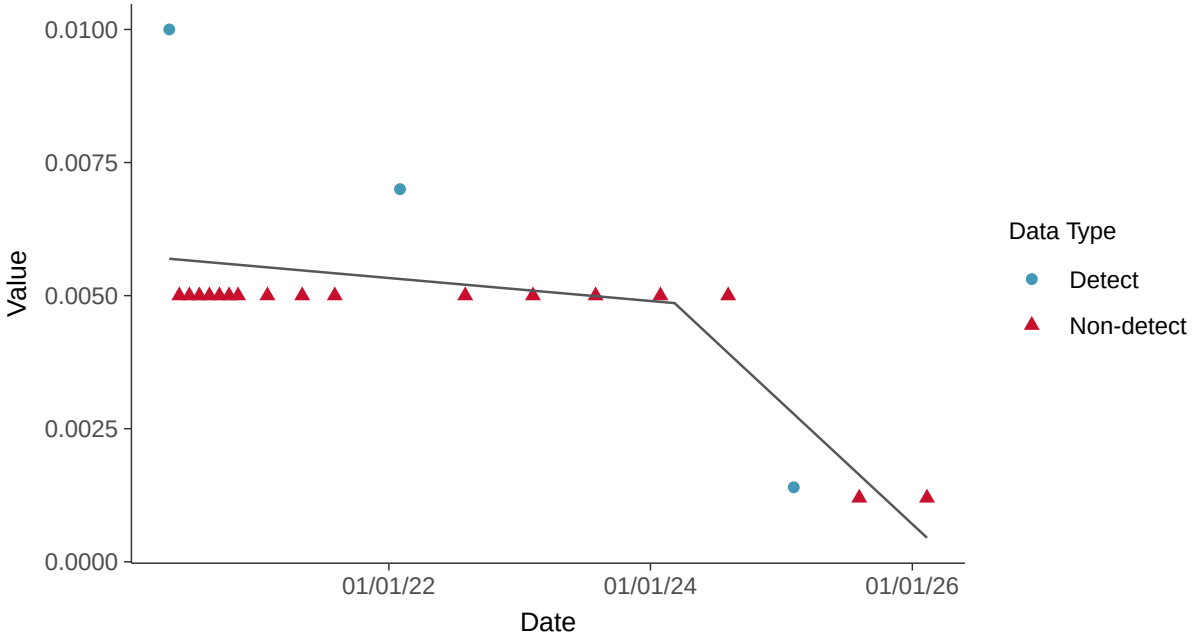
Normal Q-Q plot using ROS Imputed Estimates

Chromium, MW-5 (mg/l)



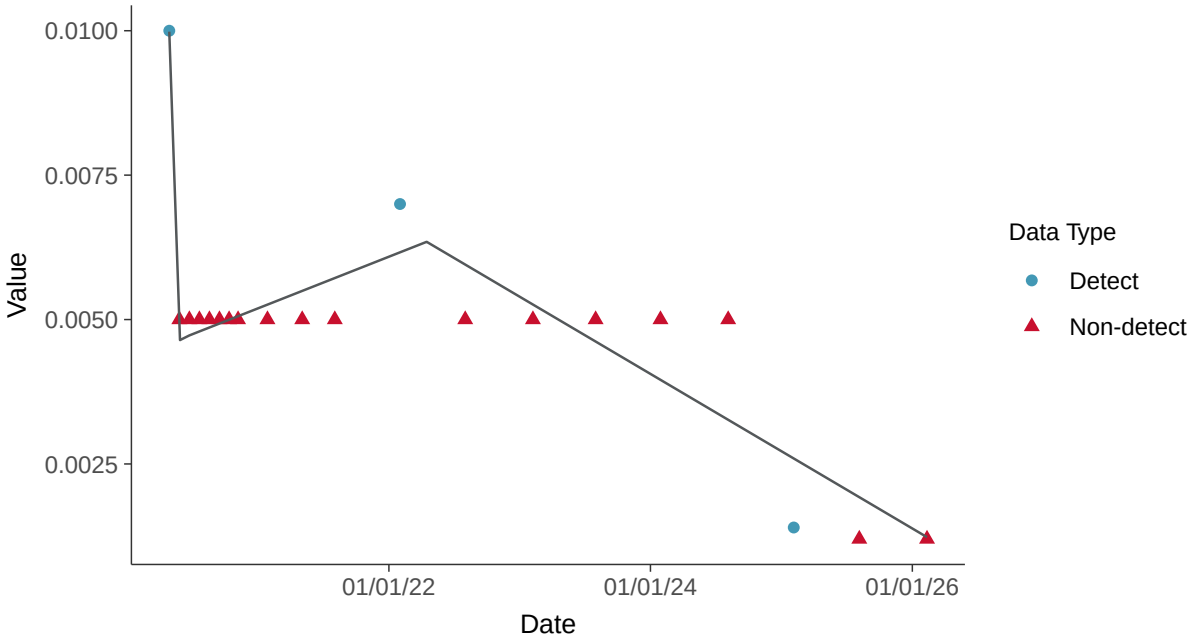
Trend Regression: Piecewise Linear-Linear

Chromium, MW-5 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Chromium, MW-5 (mg/l)

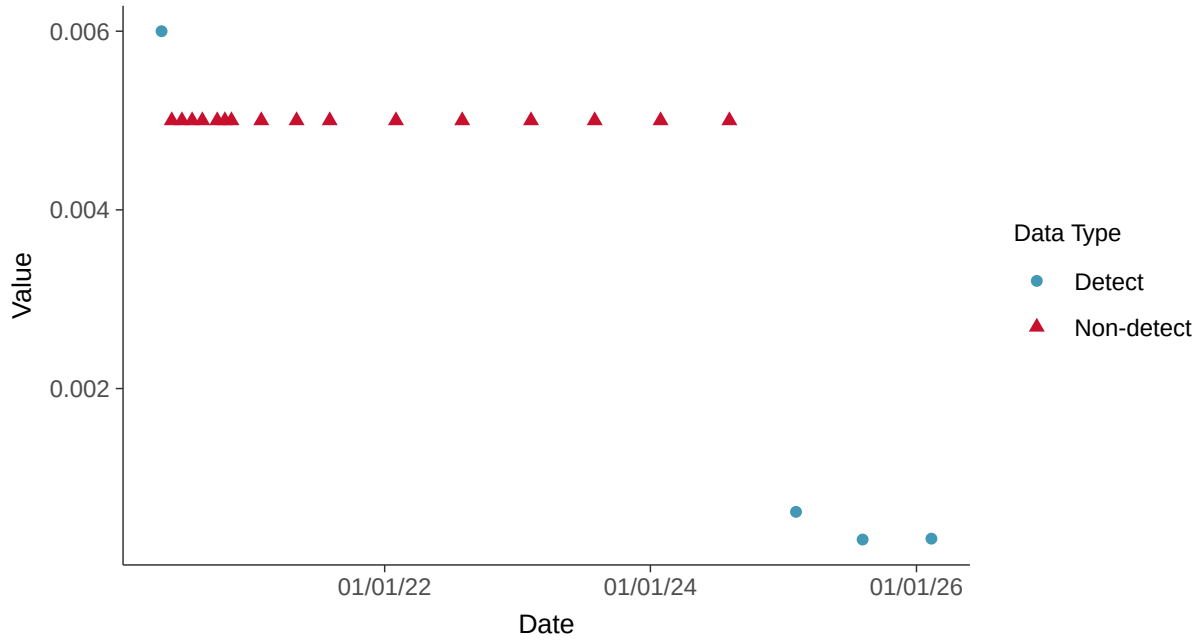


Appendix IV: Cobalt, MW-5

ID: 13_3_110

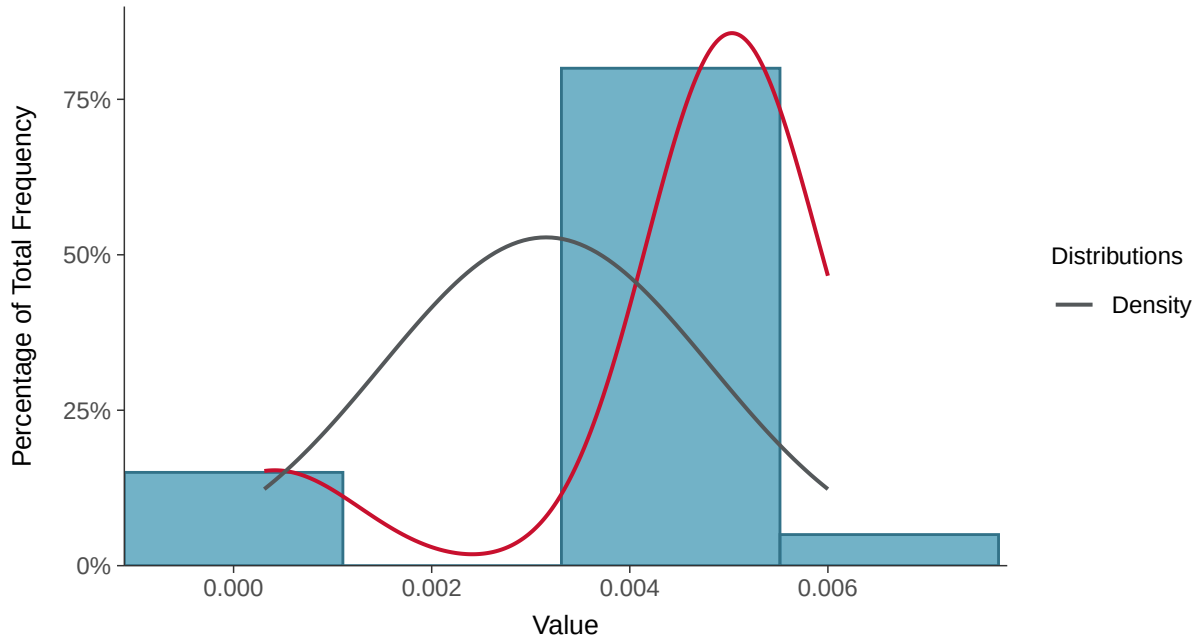
Scatter Plot

Cobalt, MW-5 (mg/l)



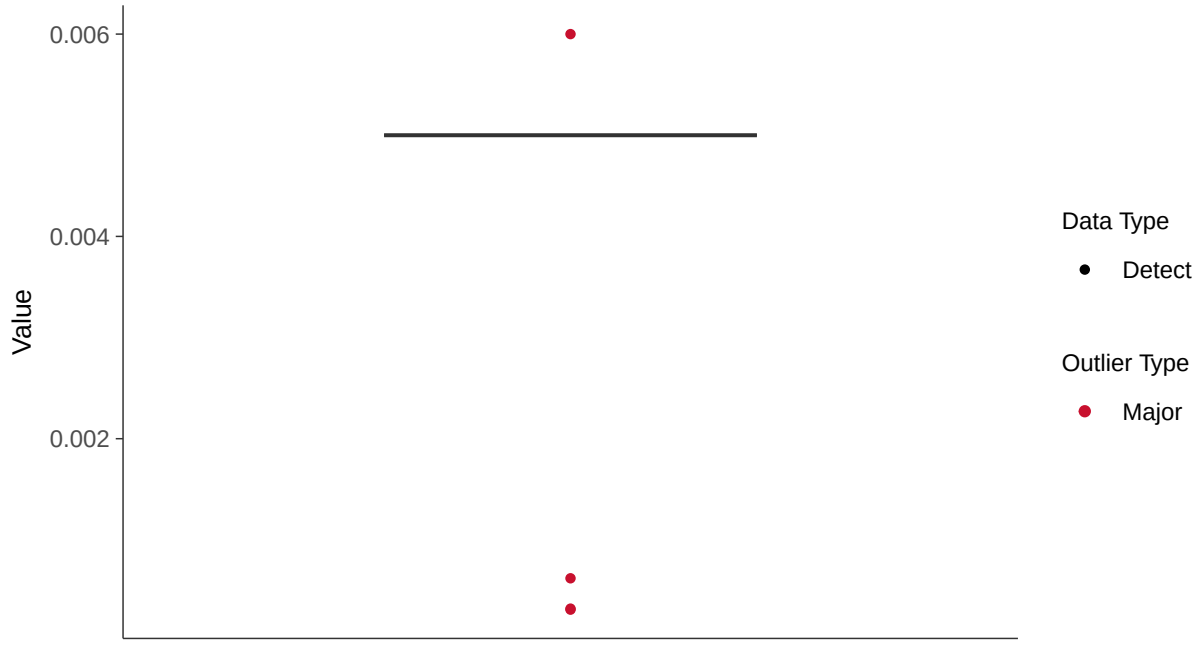
Histogram

Cobalt, MW-5 (mg/l)



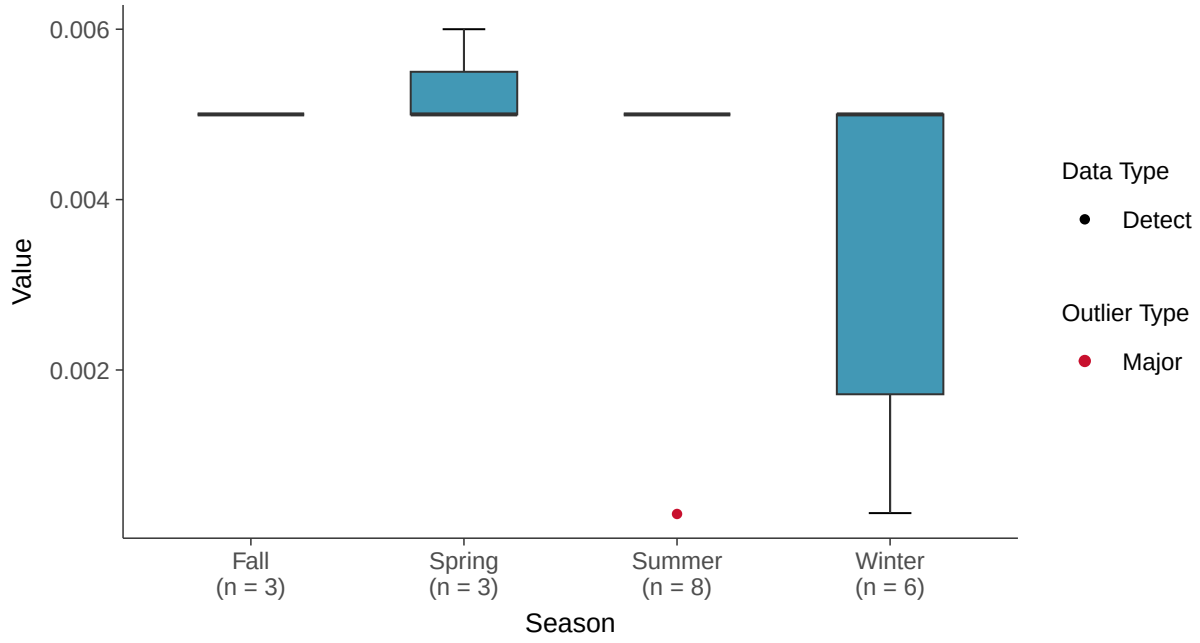
Boxplot

Cobalt, MW-5 (mg/l)



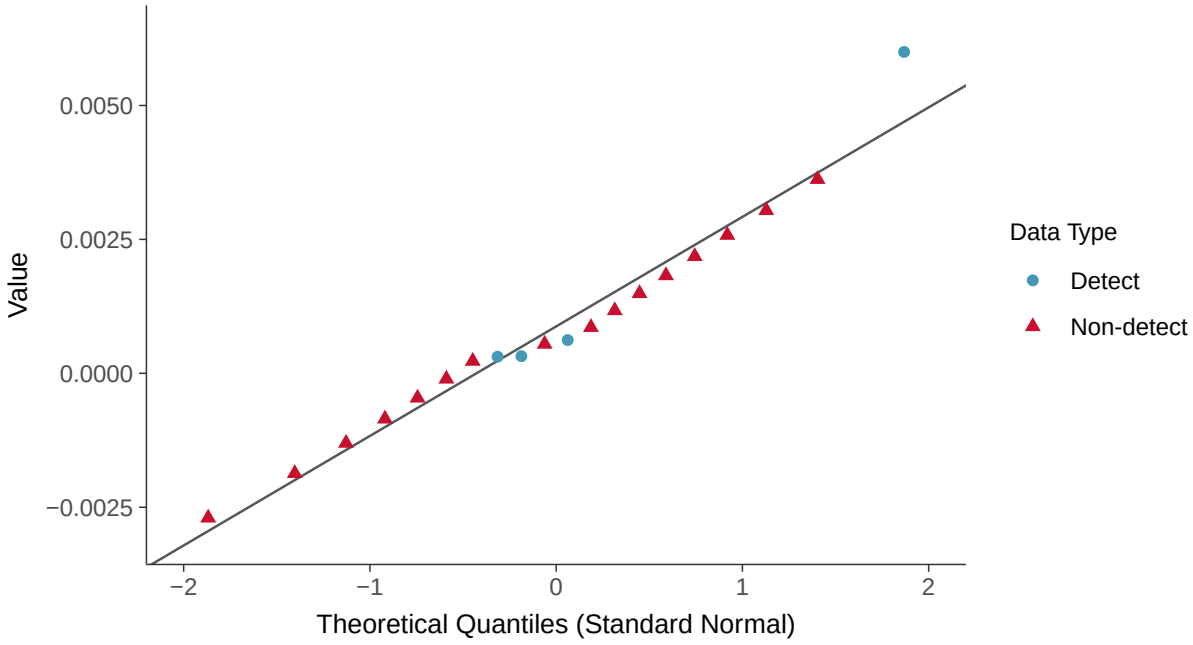
Boxplot by Season

Cobalt, MW-5 (mg/l)



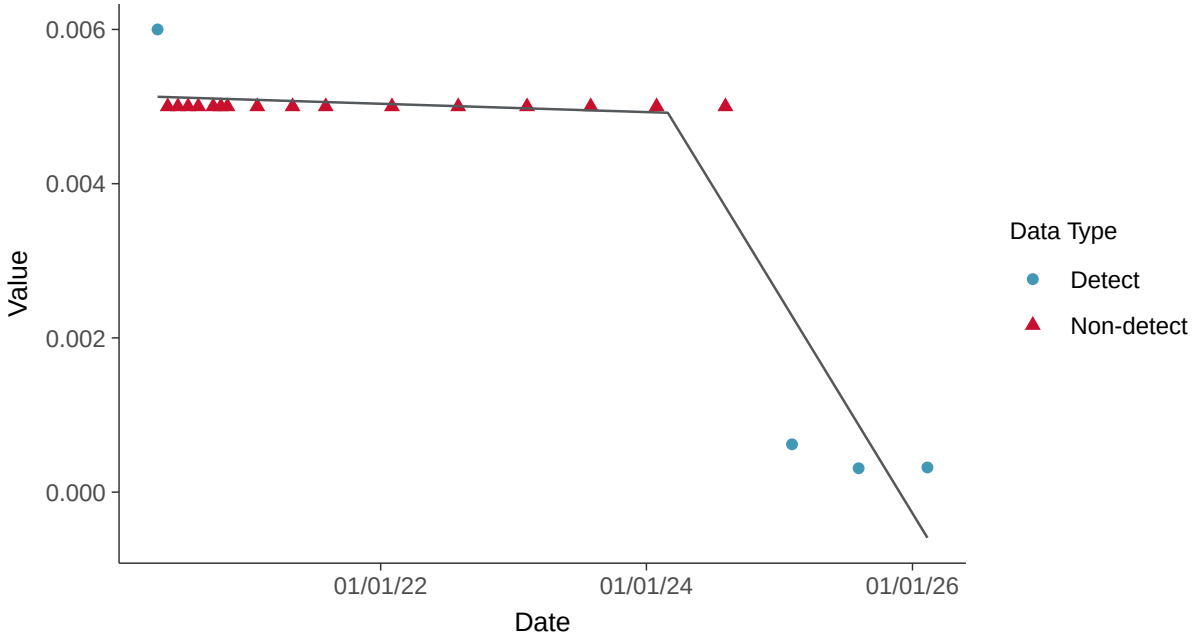
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-5 (mg/l)



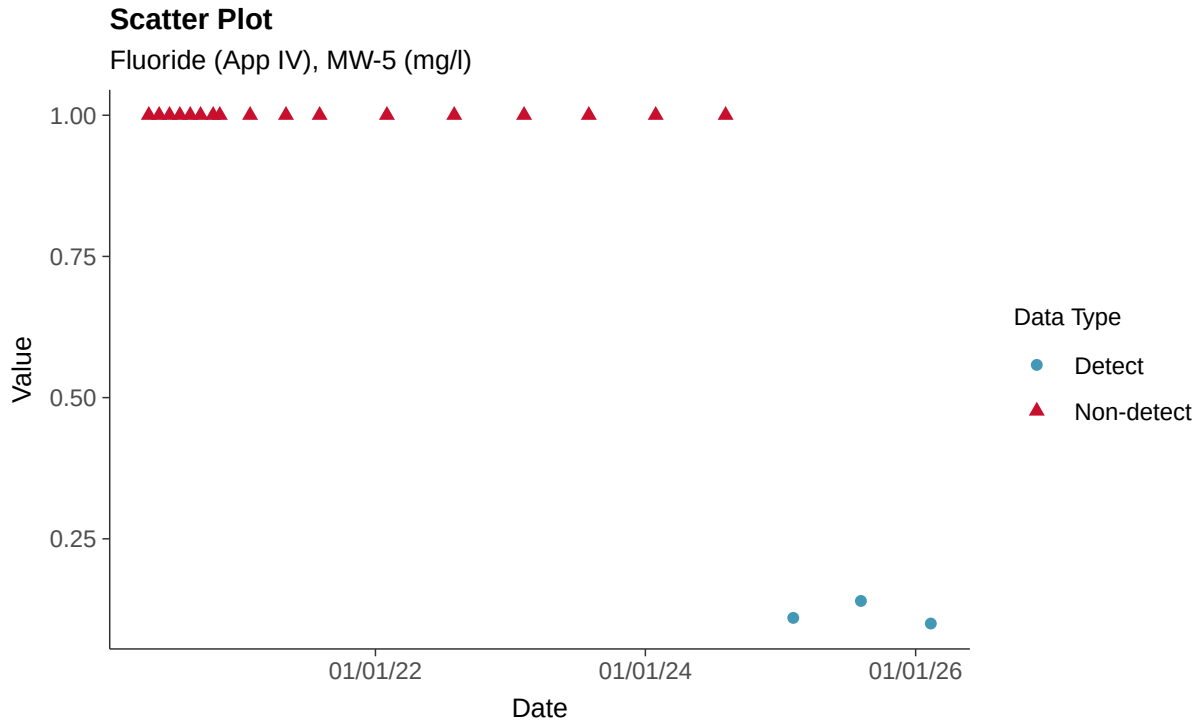
Trend Regression: Piecewise Linear-Linear

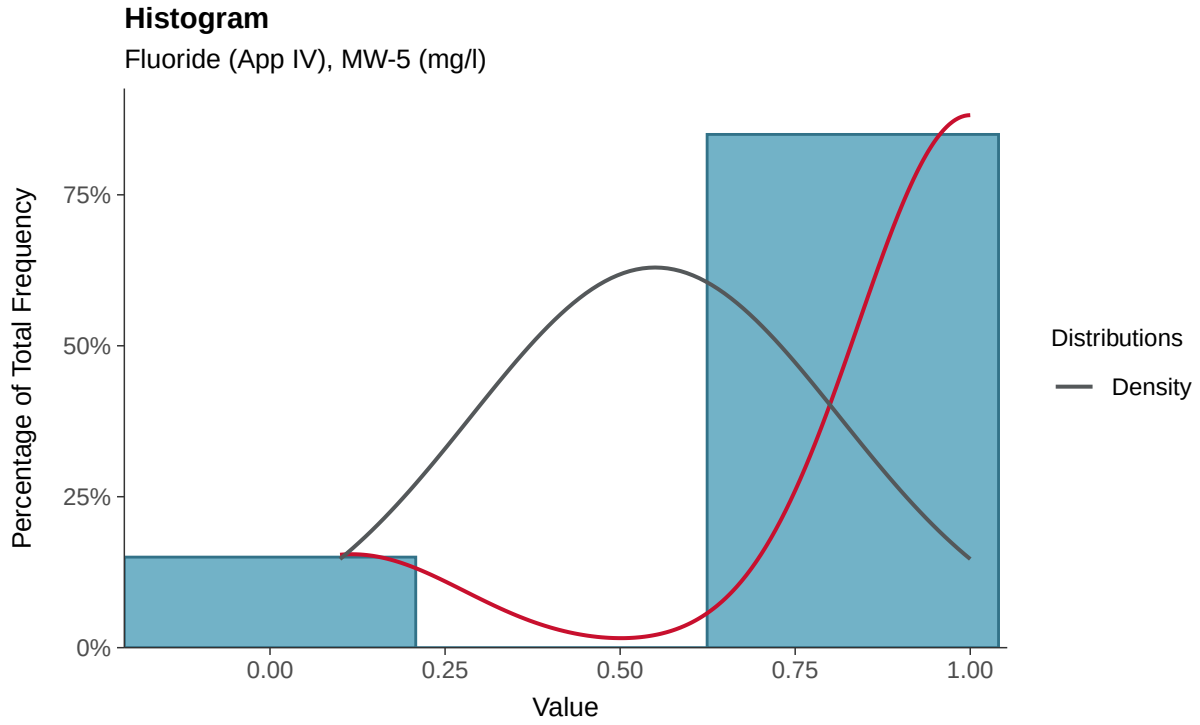
Cobalt, MW-5 (mg/l)



Appendix IV: Fluoride (App IV), MW-5

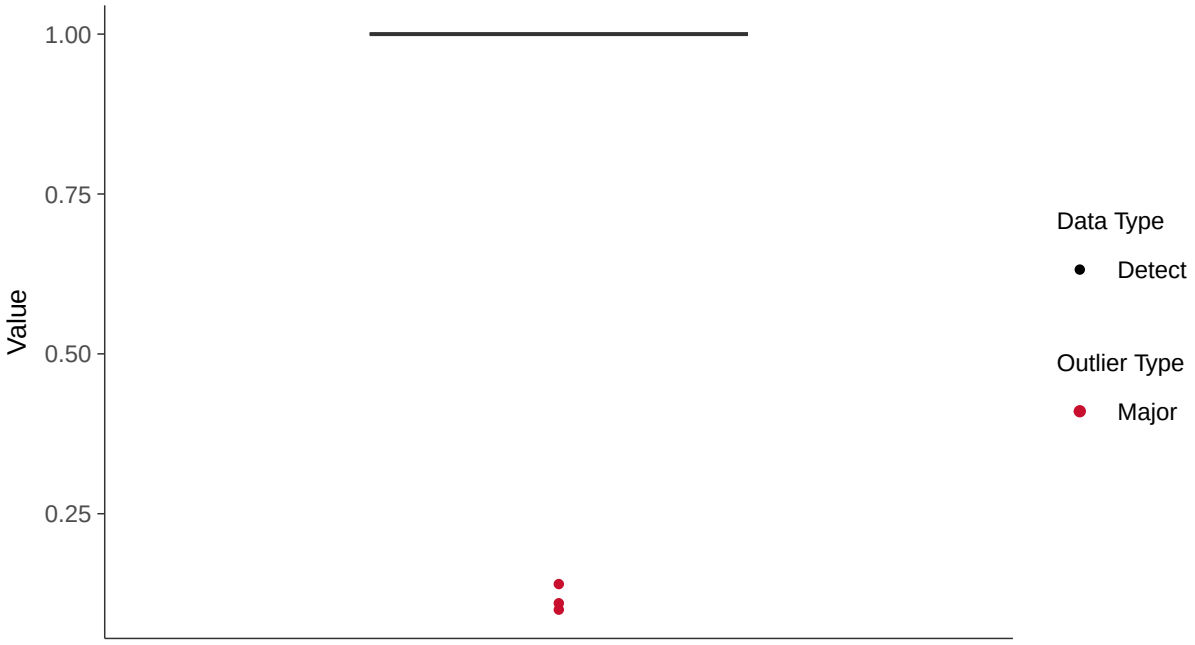
ID: 13_3_113





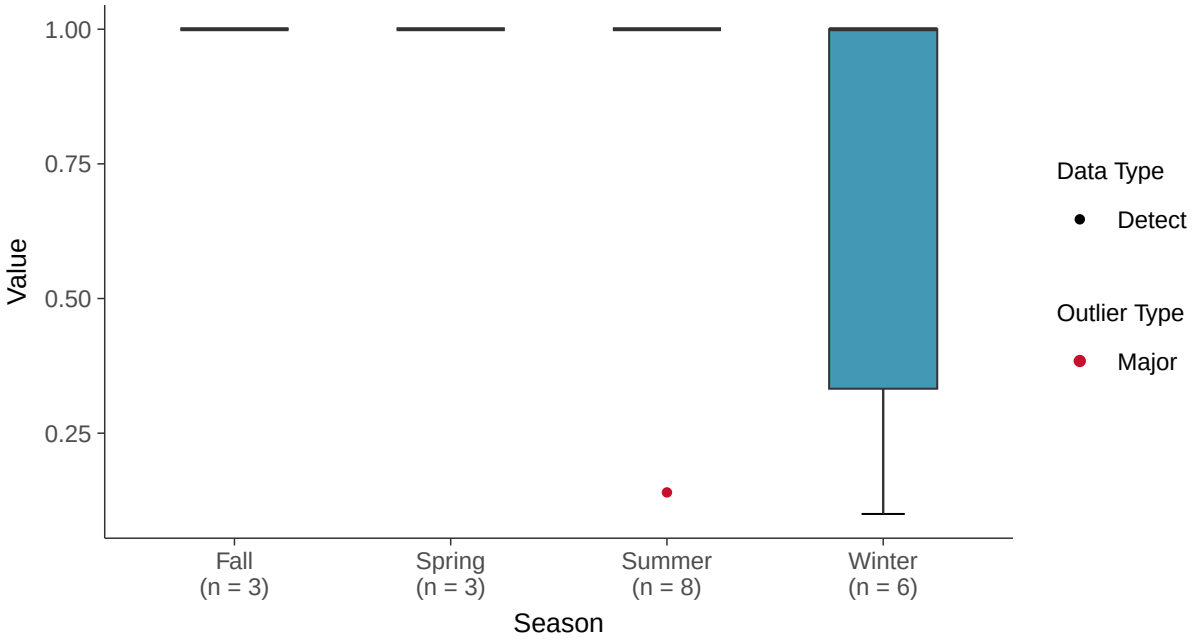
Boxplot

Fluoride (App IV), MW-5 (mg/l)



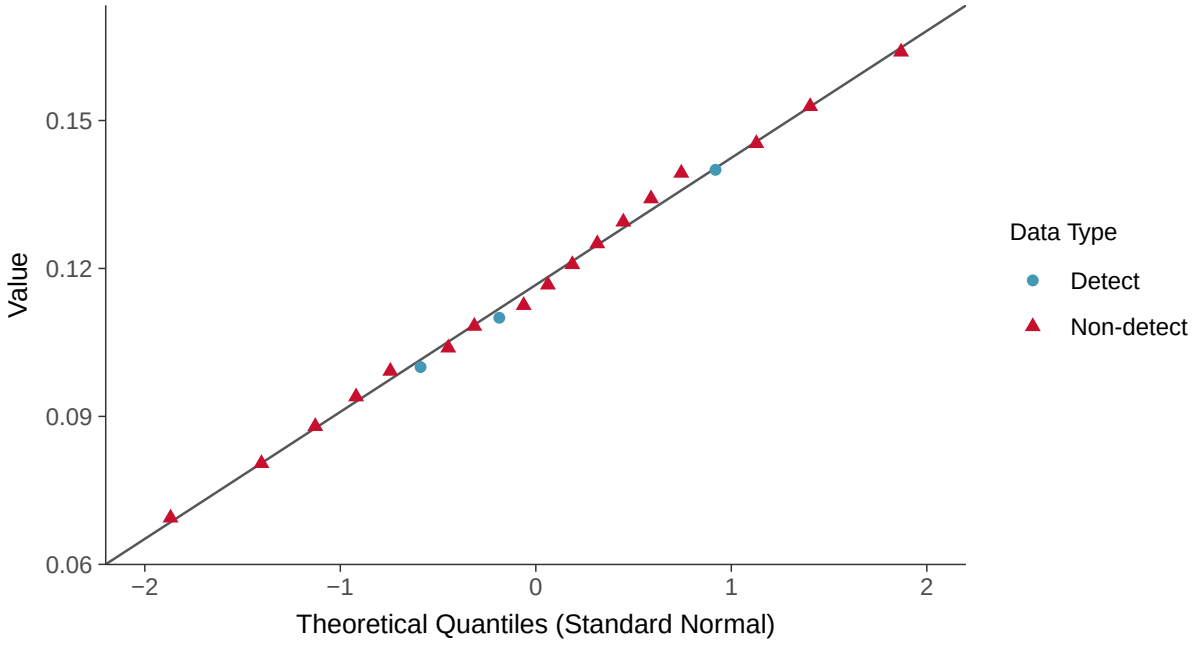
Boxplot by Season

Fluoride (App IV), MW-5 (mg/l)



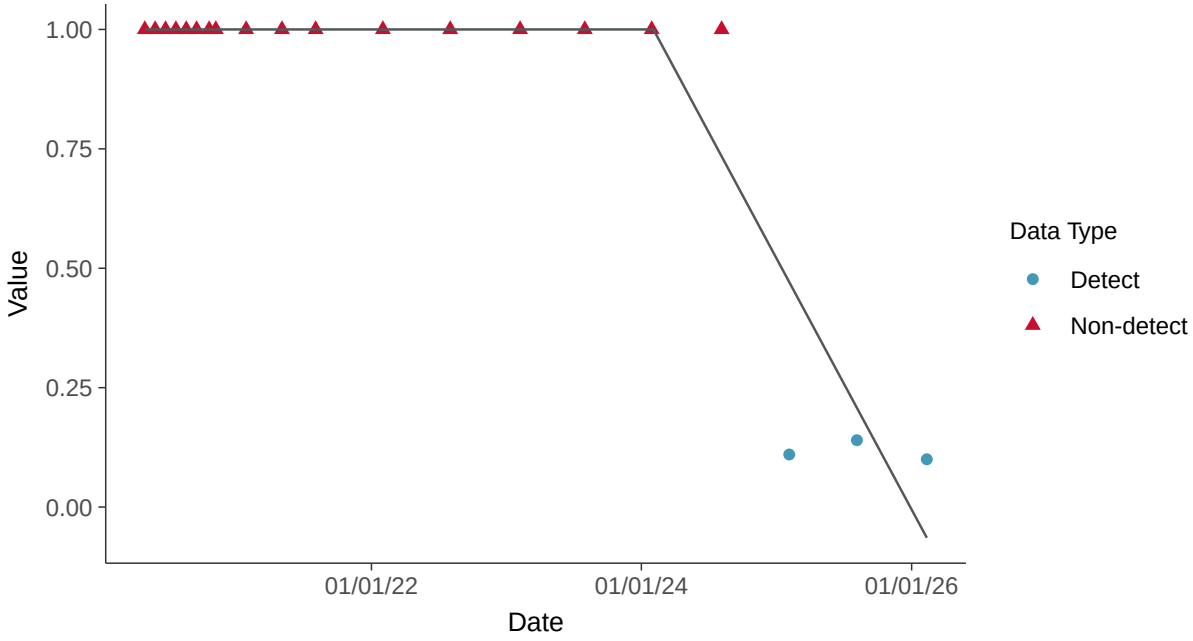
Normal Q-Q plot using ROS Imputed Estimates

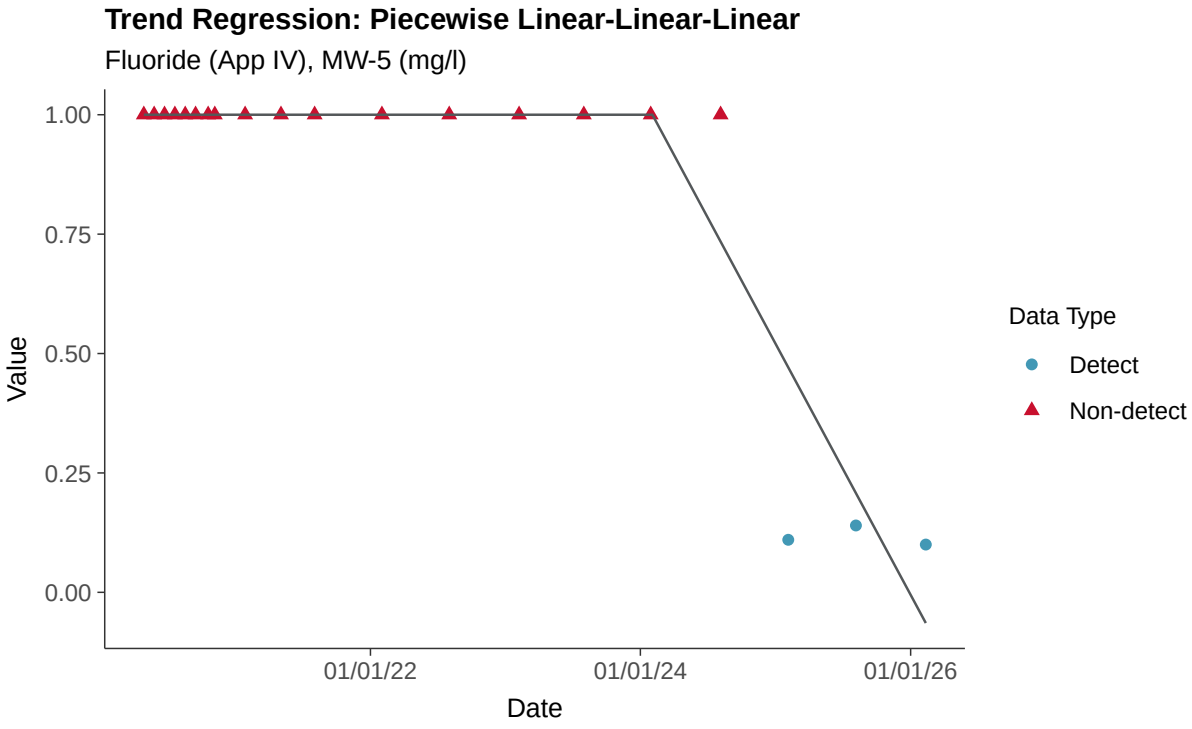
Fluoride (App IV), MW-5 (mg/l)



Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-5 (mg/l)



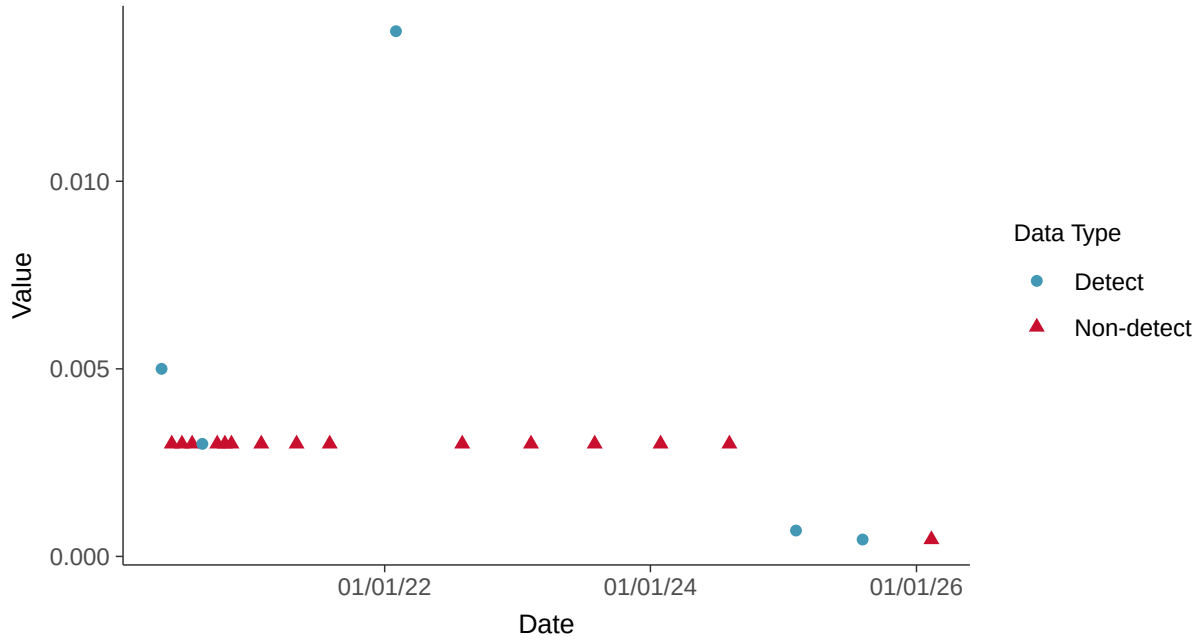

Trend Regression: Piecewise Linear-Linear-Linear
Fluoride (App IV), MW-5 (mg/l)
Value
1.00
0.75
0.50
0.25
0.00
01/01/22
01/01/24
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Lead, MW-5

ID: 13_3_115

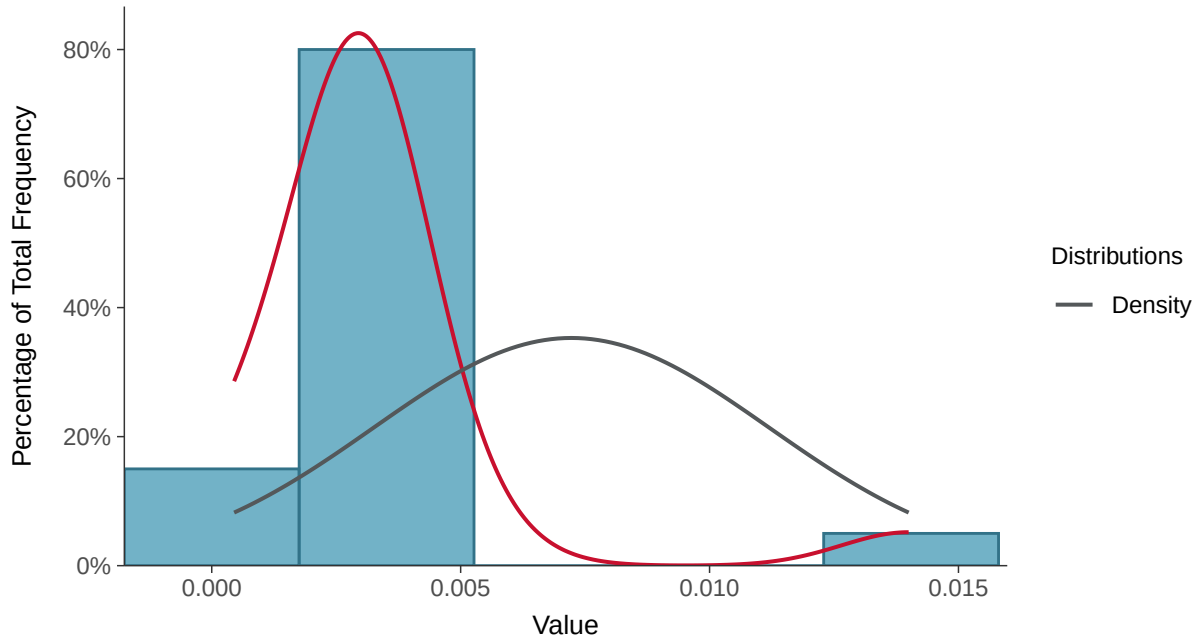
Scatter Plot

Lead, MW-5 (mg/l)



Histogram

Lead, MW-5 (mg/l)

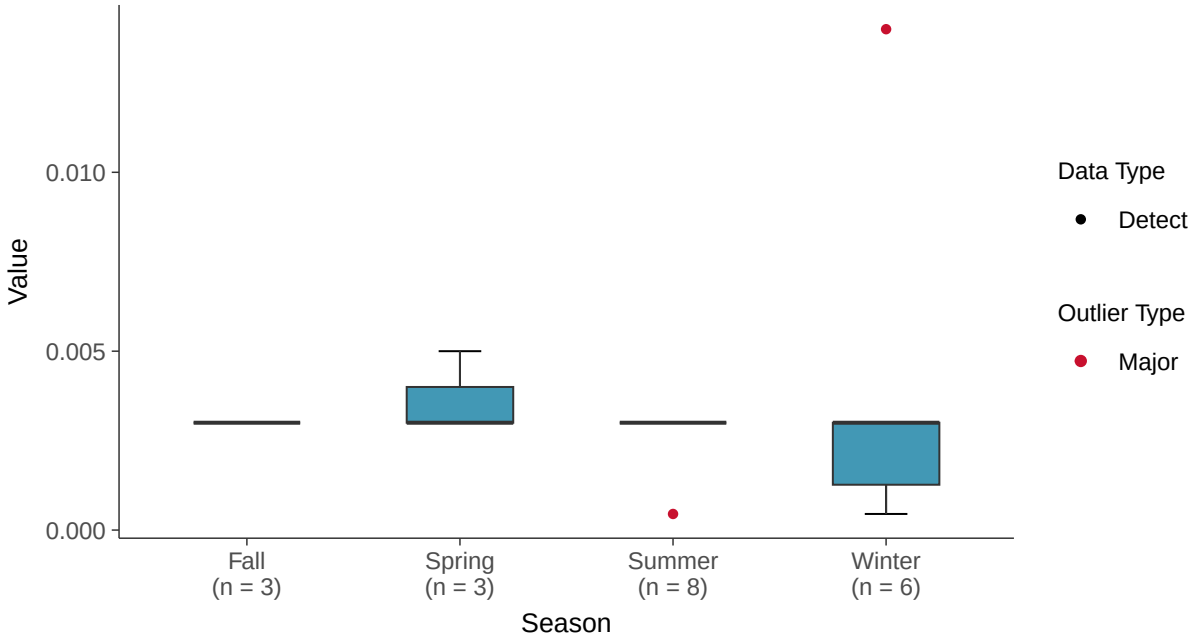


Boxplot

Lead, MW-5 (mg/l)

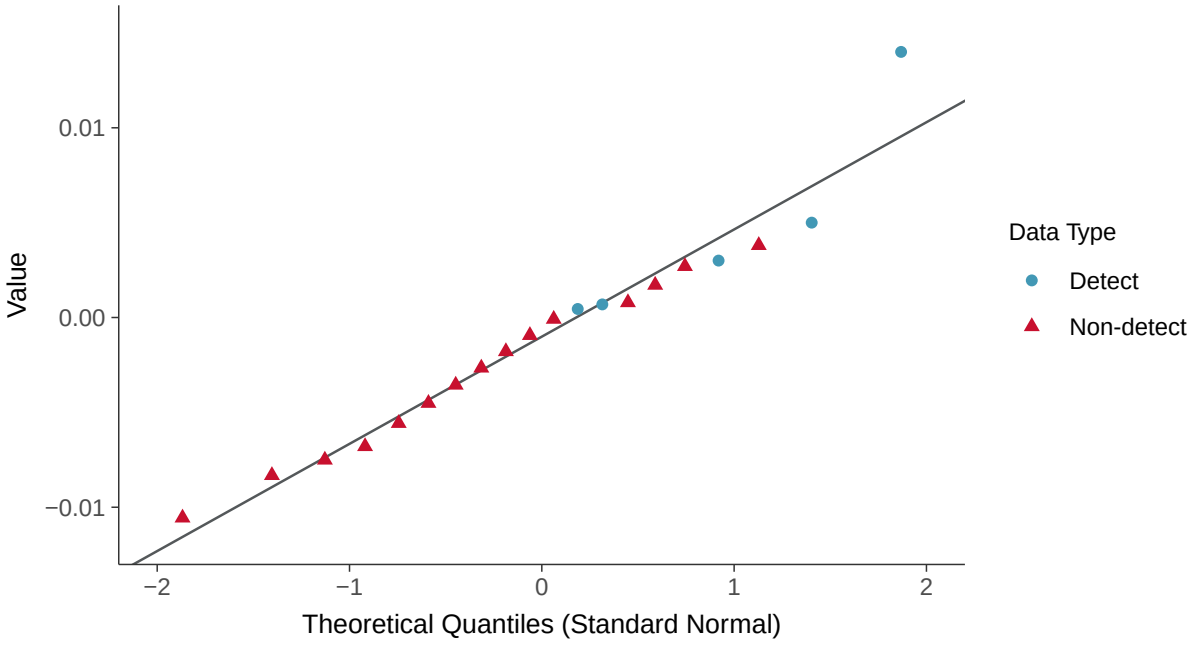
Boxplot by Season

Lead, MW-5 (mg/l)



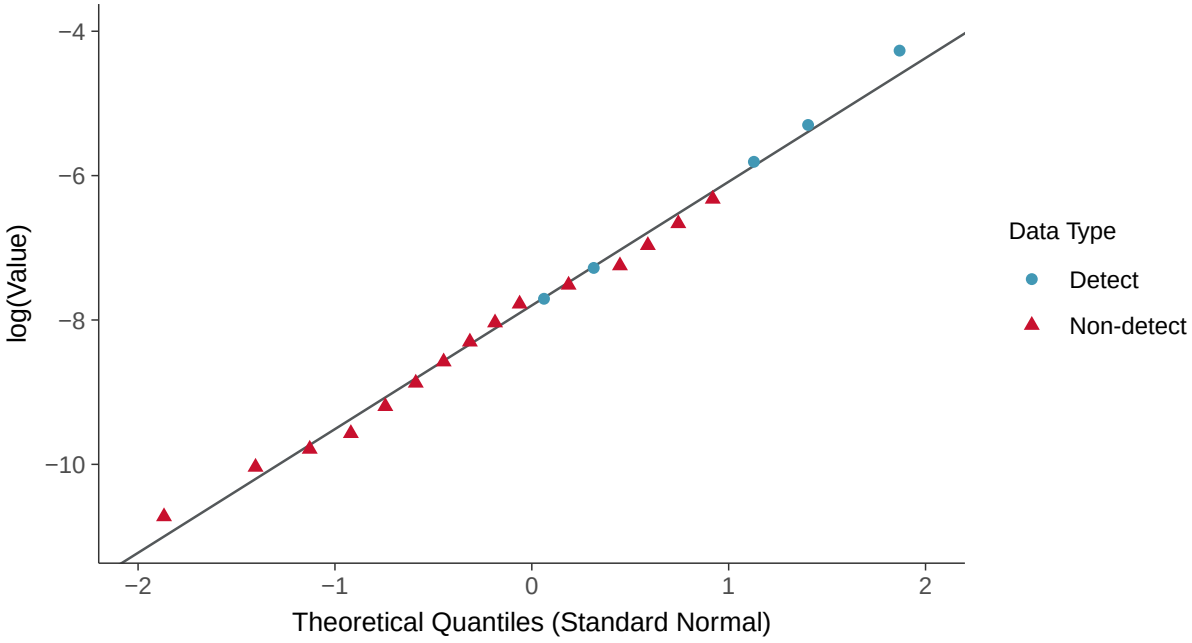
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-5 (mg/l)



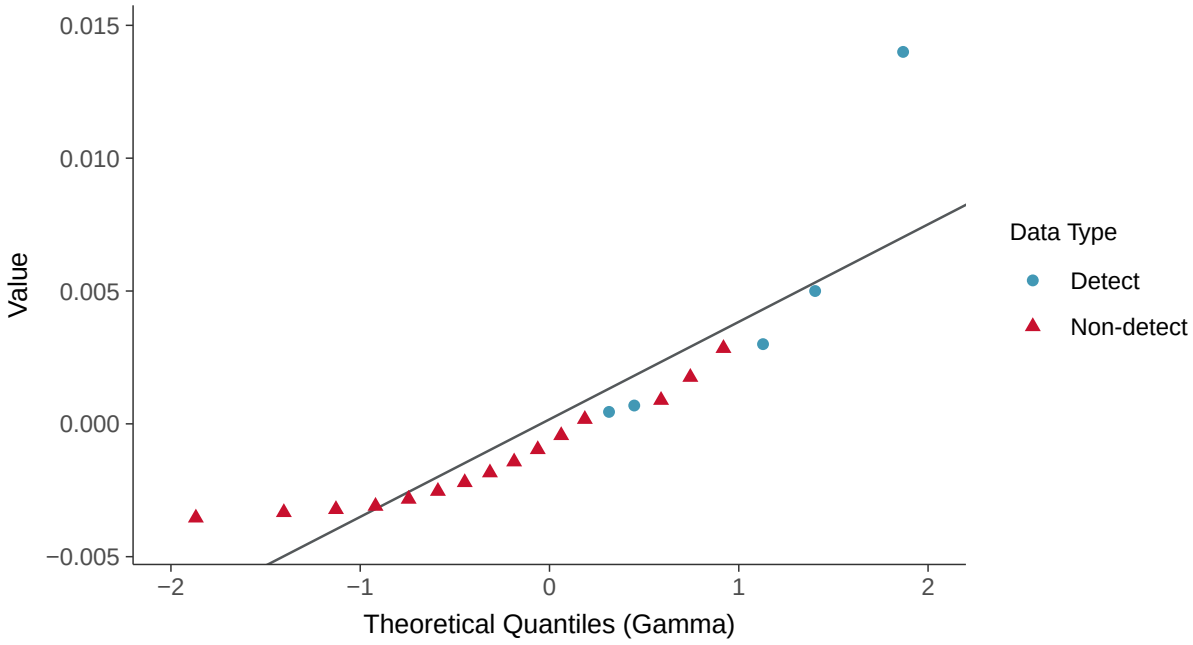
Lognormal Q-Q plot using ROS Imputed Estimates

Lead, MW-5 (mg/l)



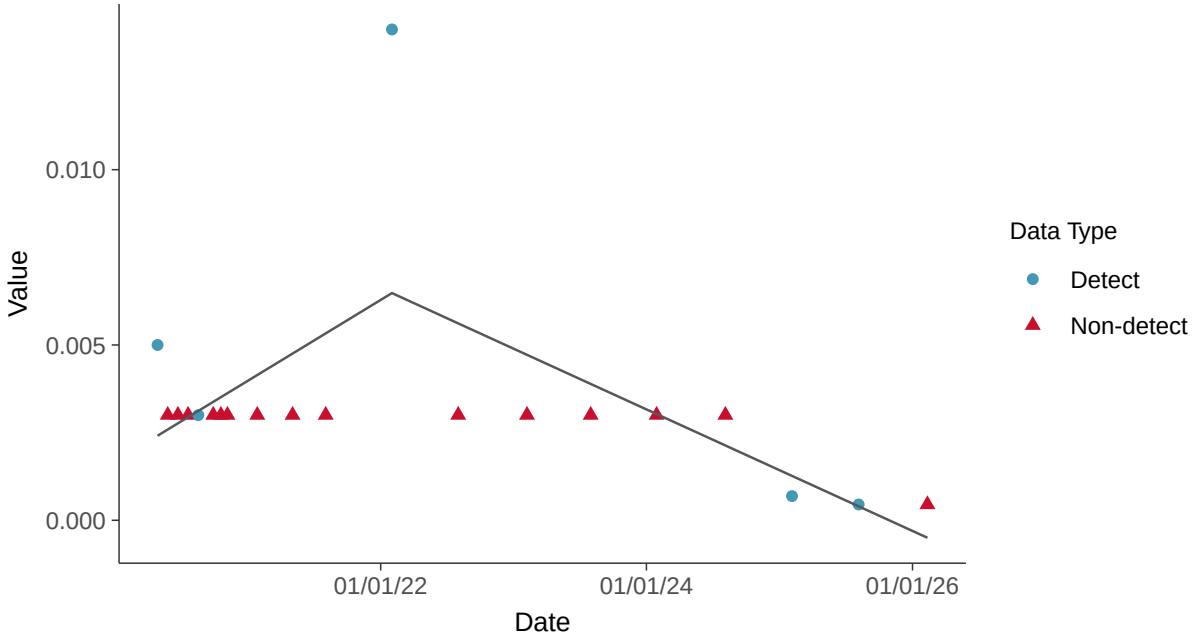
Gamma Q-Q plot using ROS Imputed Estimates

Lead, MW-5 (mg/l)



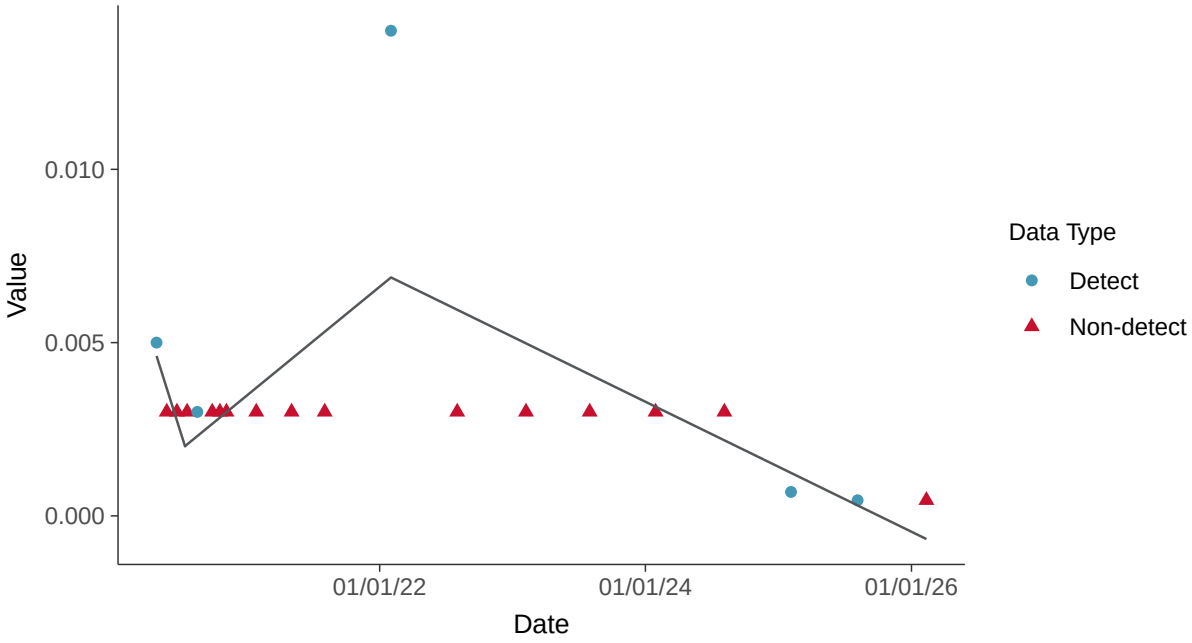
Trend Regression: Piecewise Linear-Linear

Lead, MW-5 (mg/l)



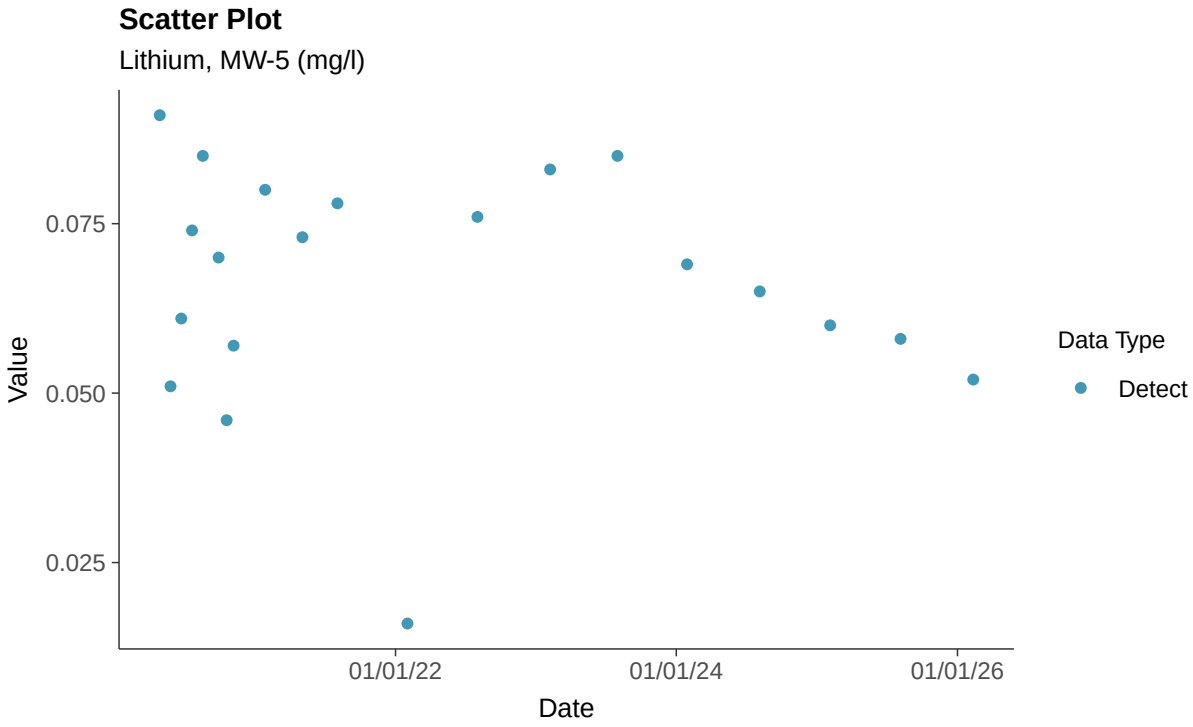
Trend Regression: Piecewise Linear-Linear-Linear

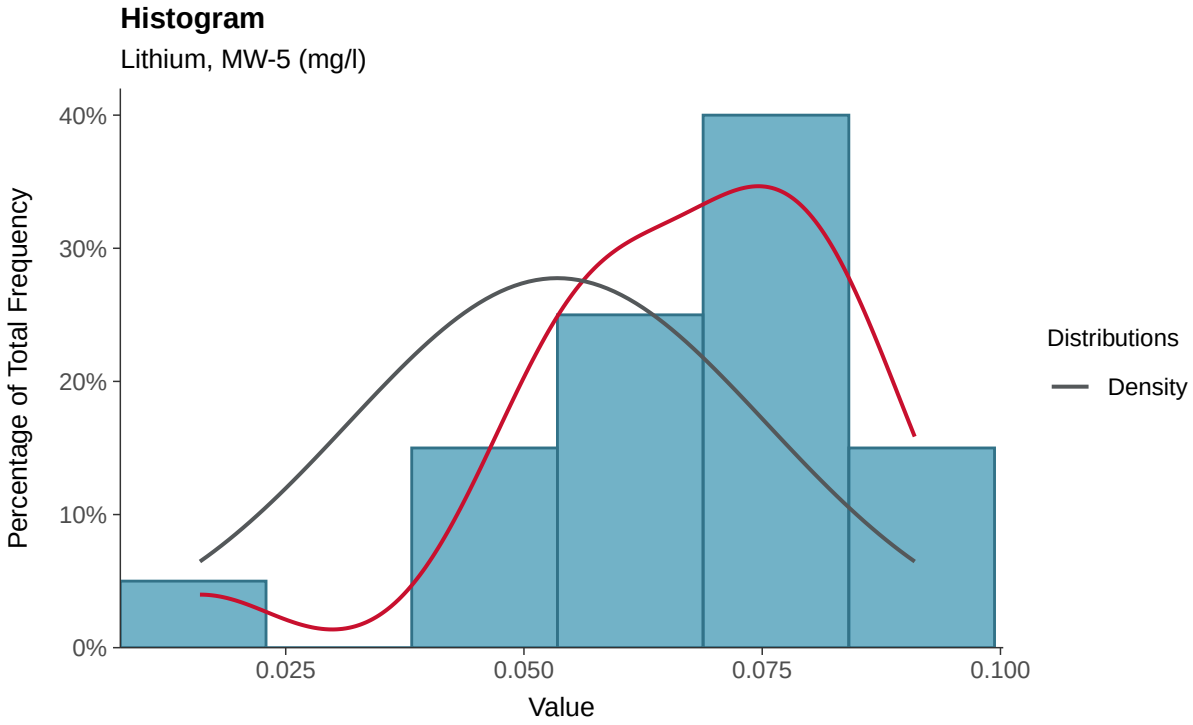
Lead, MW-5 (mg/l)



Appendix IV: Lithium, MW-5

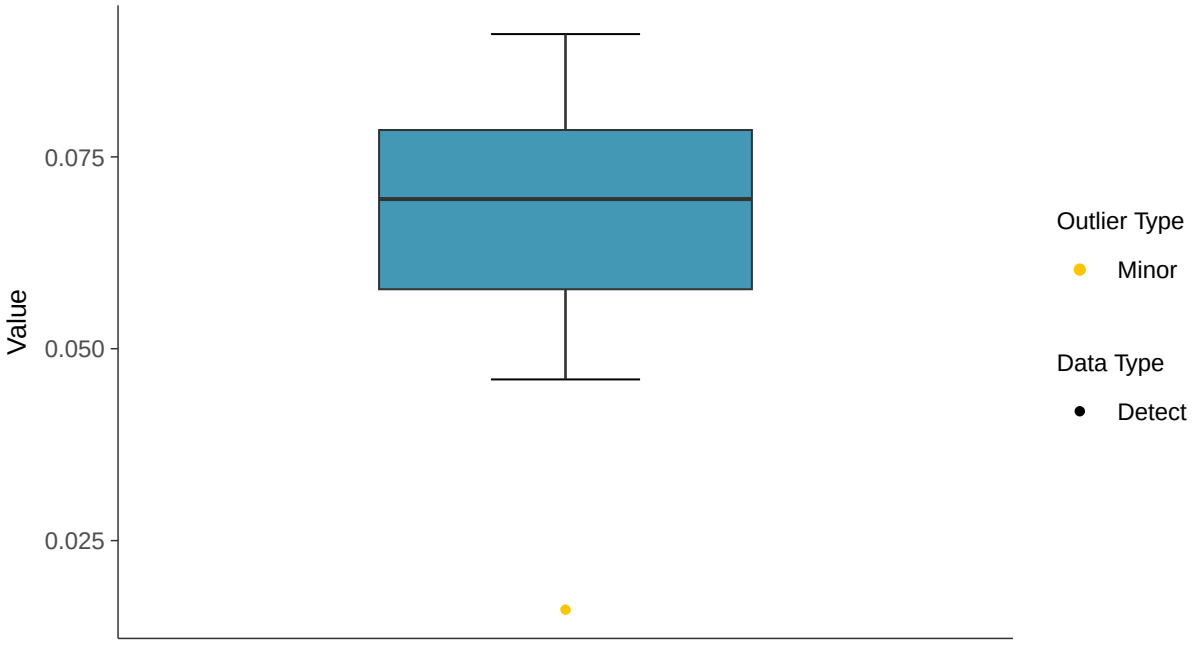
ID: 13_3_116





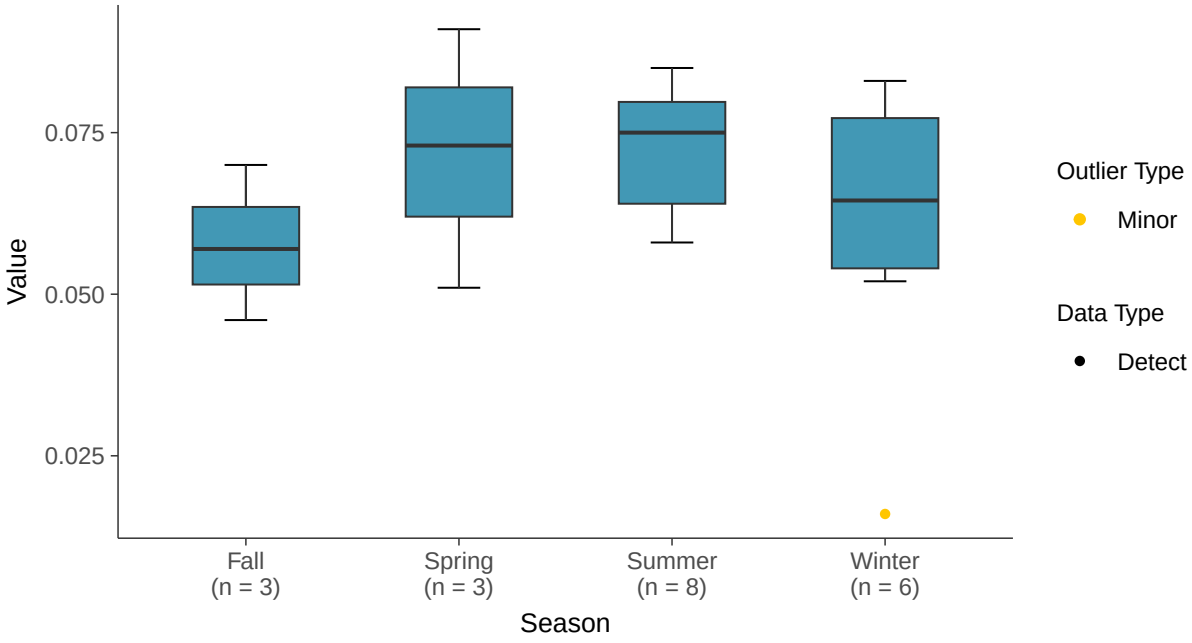
Boxplot

Lithium, MW-5 (mg/l)



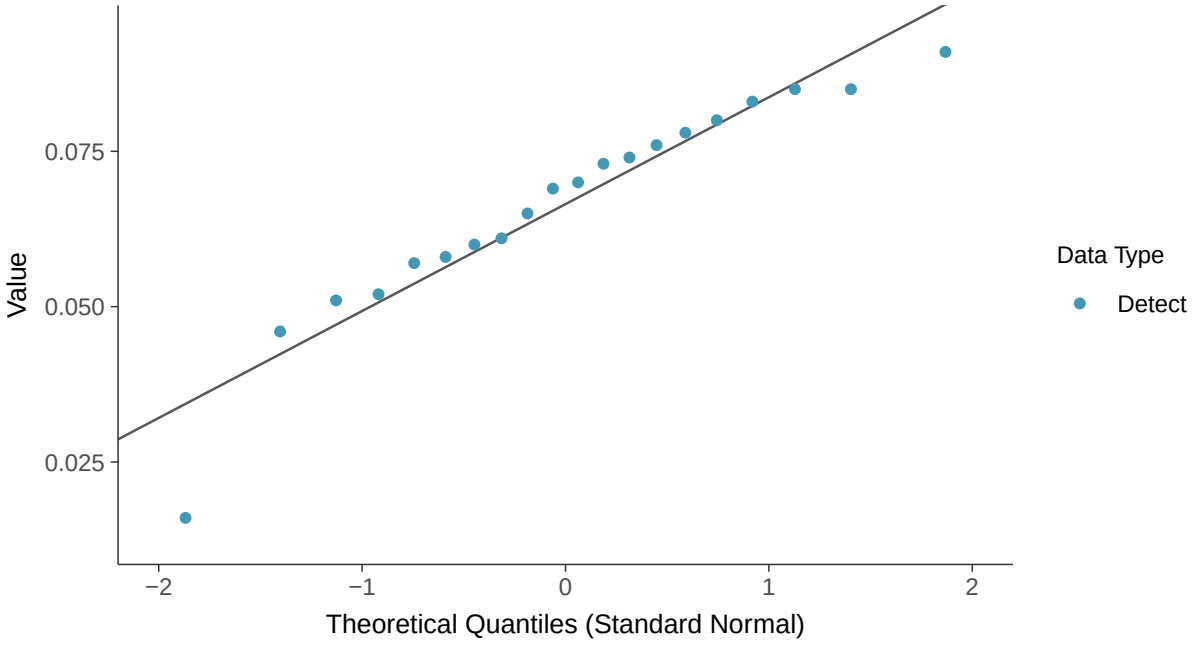
Boxplot by Season

Lithium, MW-5 (mg/l)



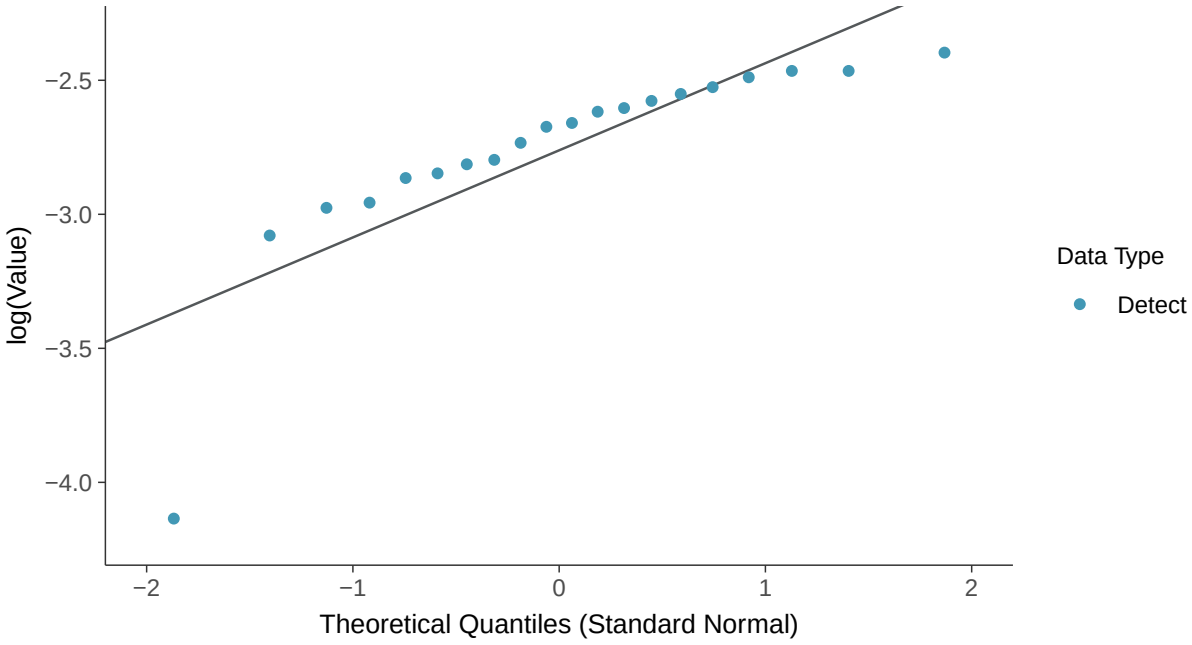
Normal Q-Q plot

Lithium, MW-5 (mg/l)



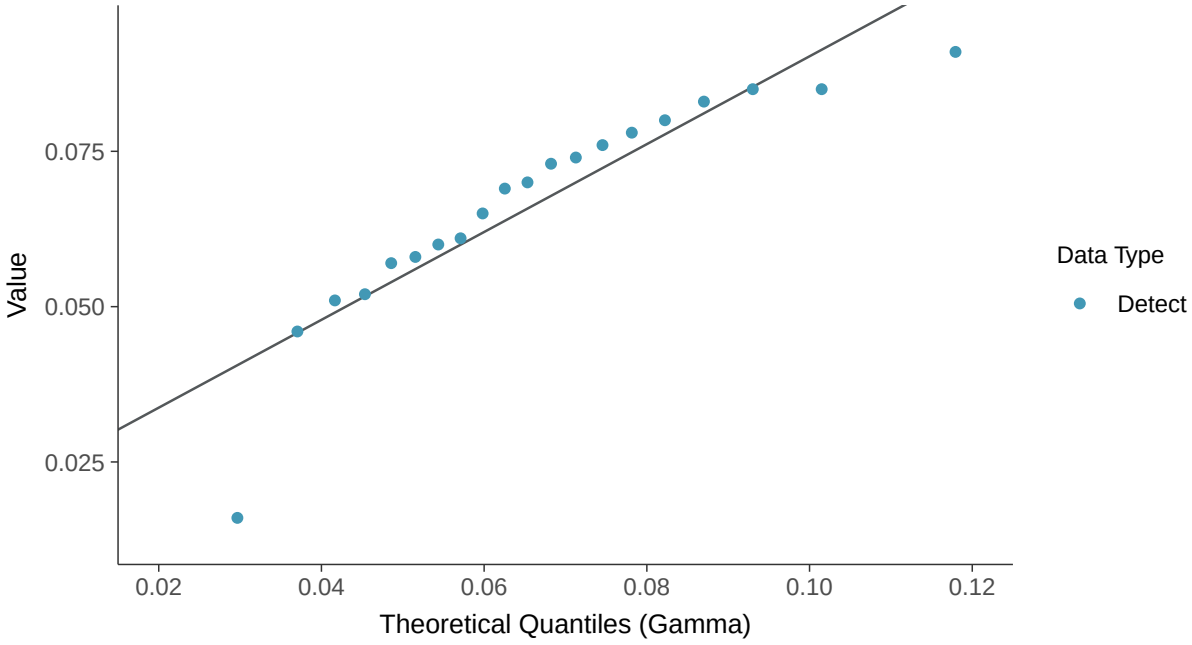
Lognormal Q-Q plot

Lithium, MW-5 (mg/l)



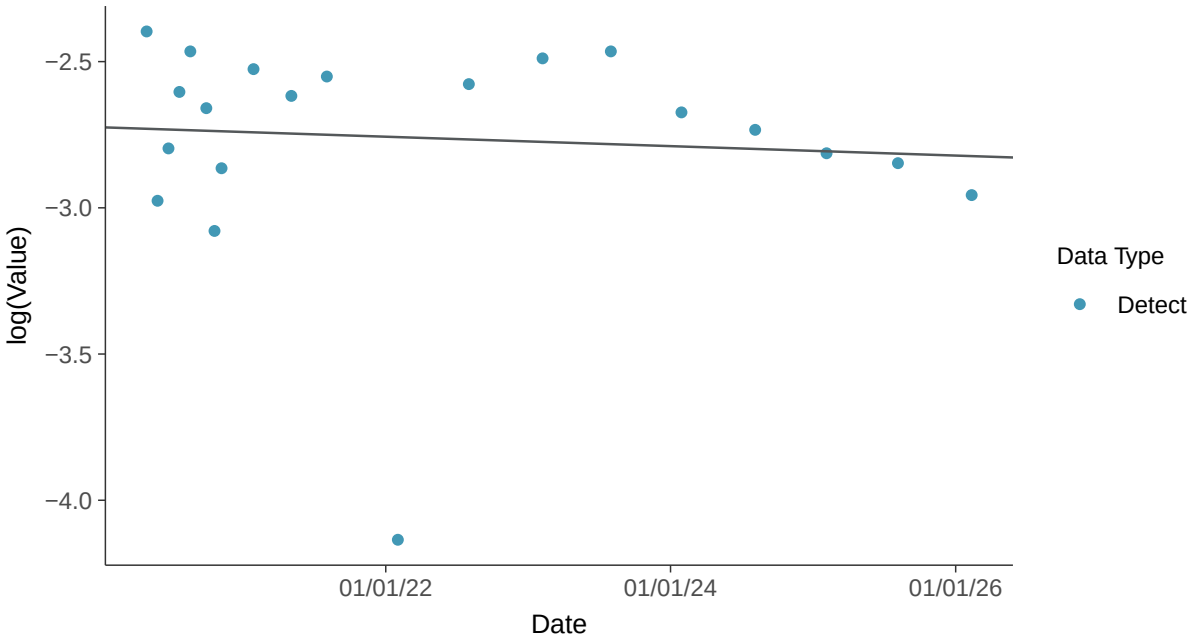
Gamma Q-Q plot

Lithium, MW-5 (mg/l)



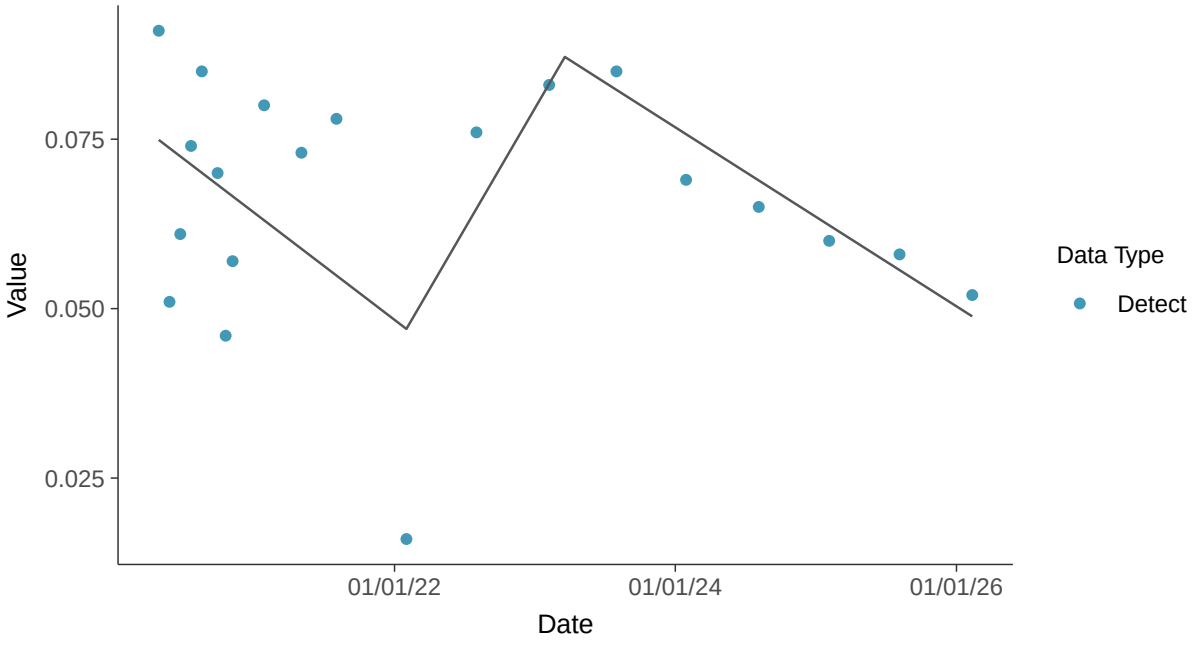
Trend Regression: Lognormal MLE

Lithium, MW-5 (mg/l)



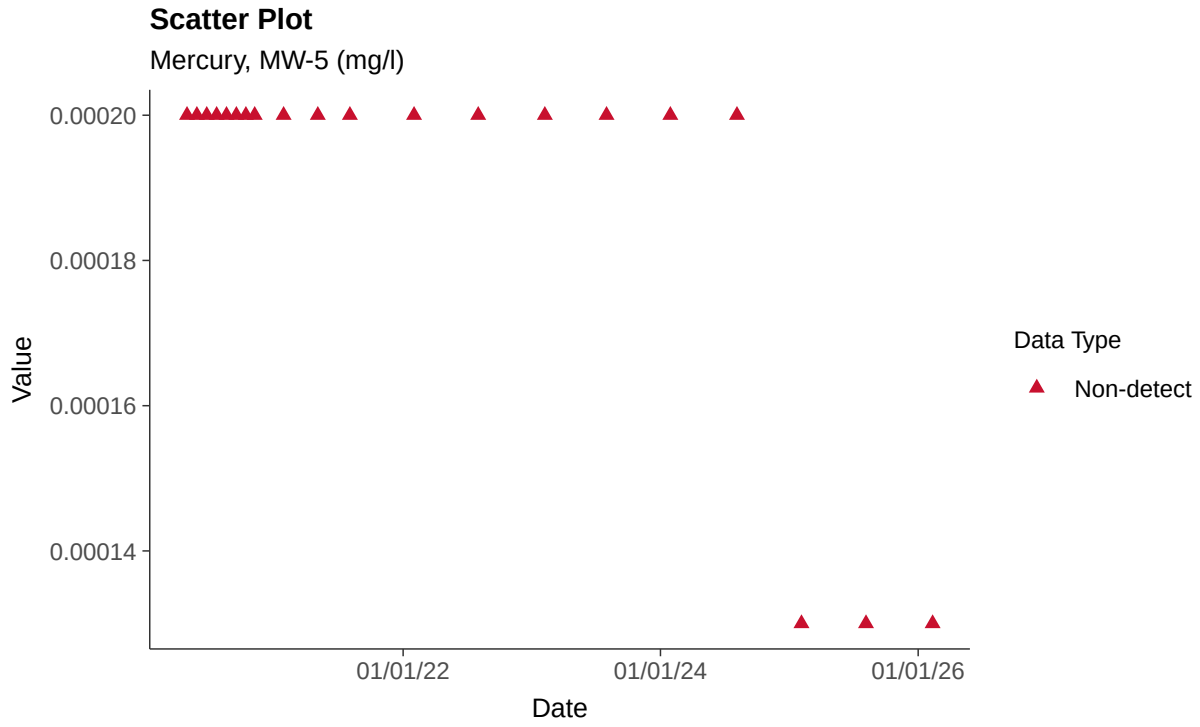
Trend Regression: Piecewise Linear-Linear-Linear

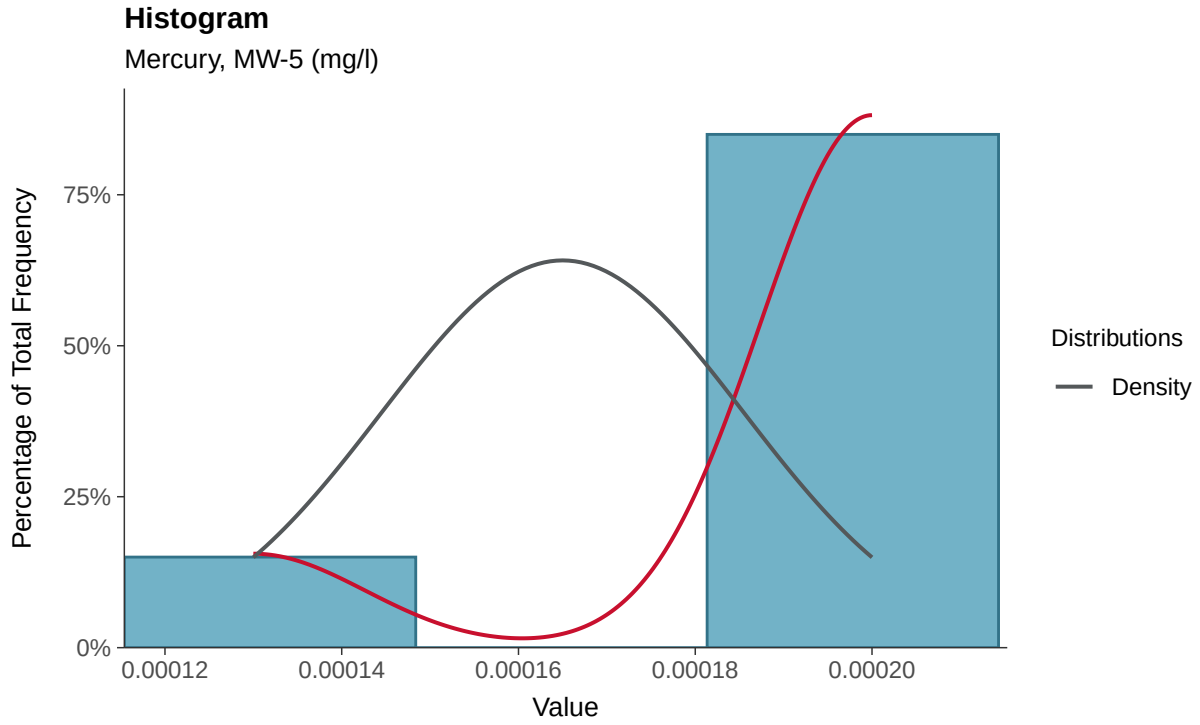
Lithium, MW-5 (mg/l)



Appendix IV: Mercury, MW-5

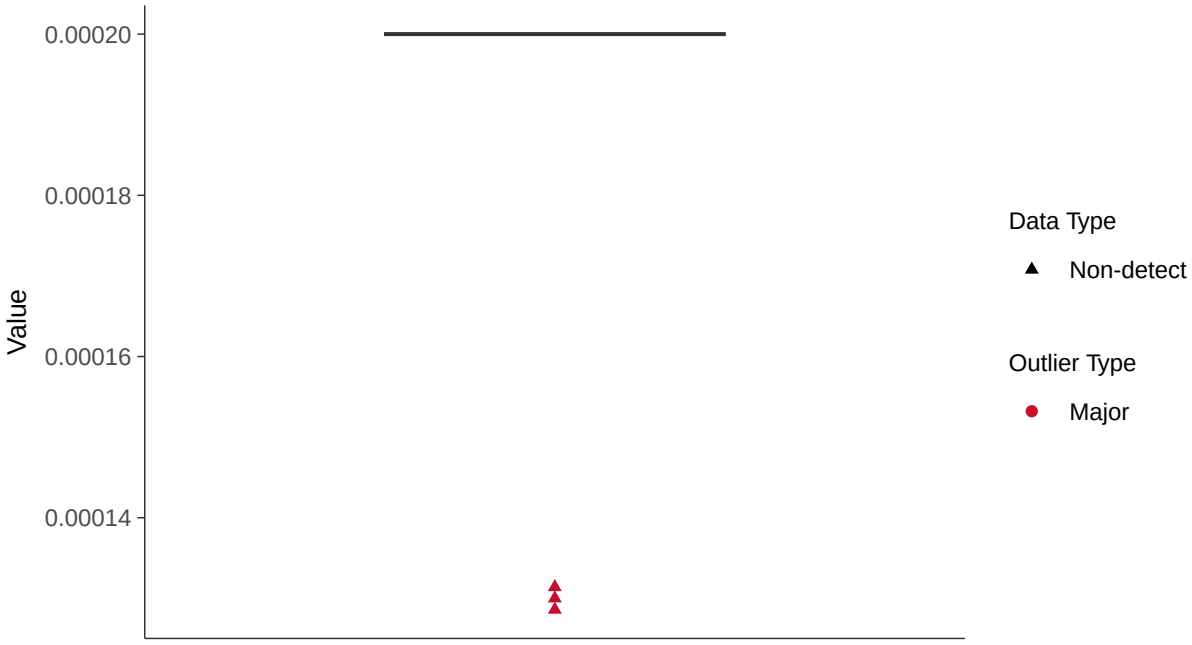
ID: 13_3_117





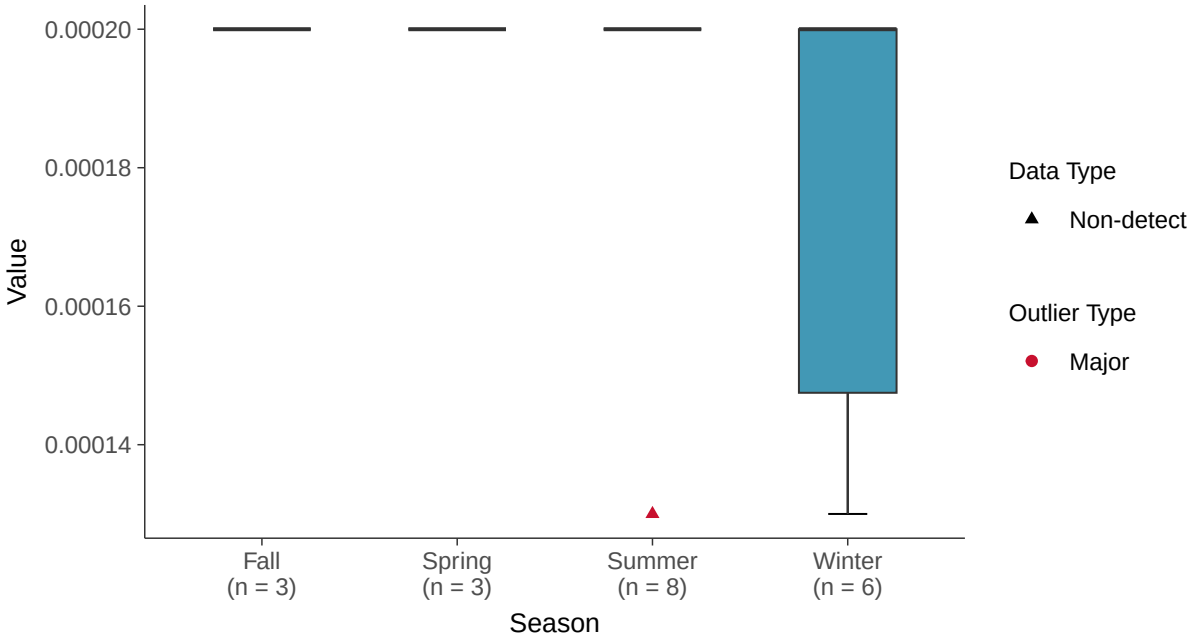
Boxplot

Mercury, MW-5 (mg/l)



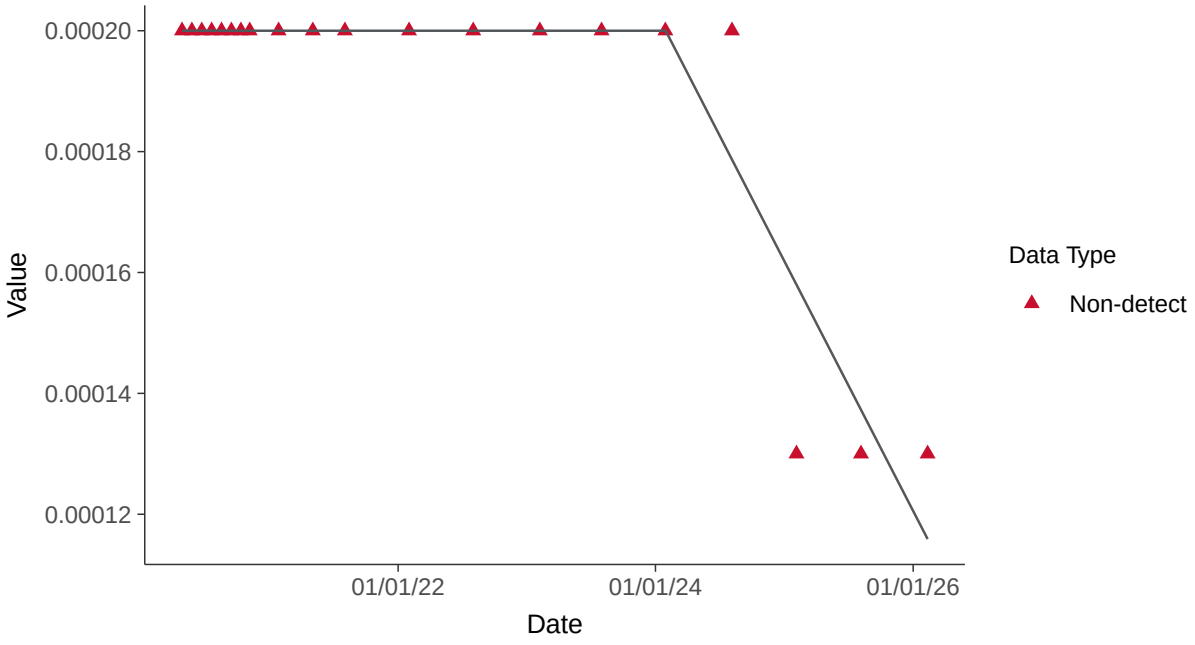
Boxplot by Season

Mercury, MW-5 (mg/l)



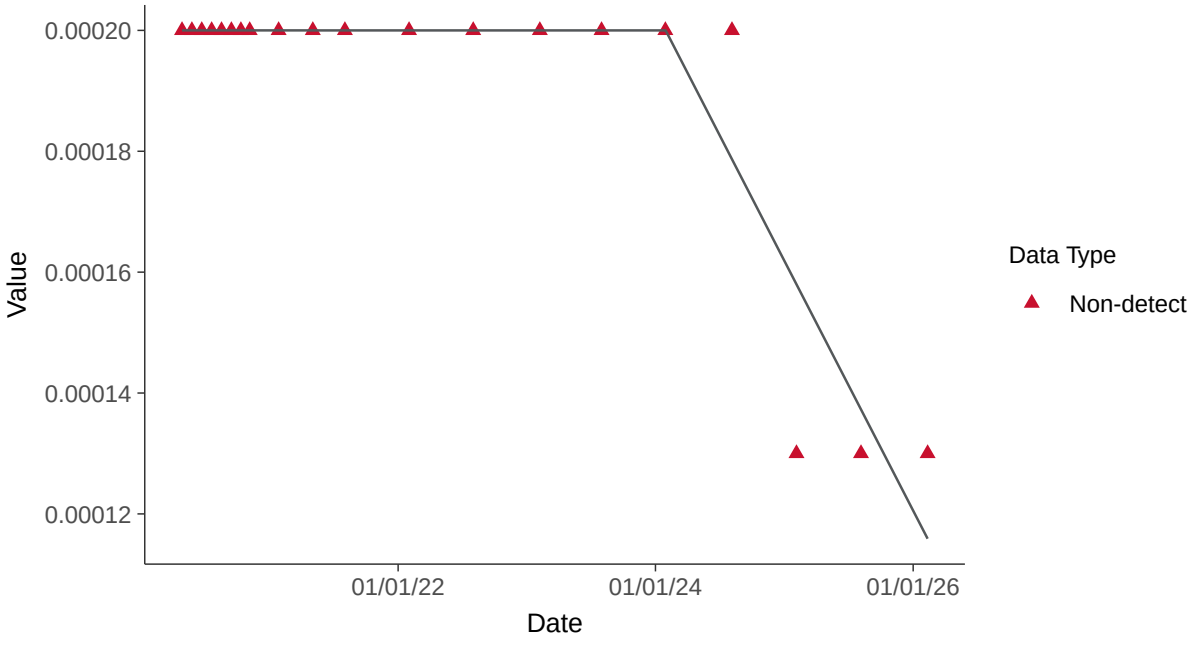
Trend Regression: Piecewise Linear-Linear

Mercury, MW-5 (mg/l)



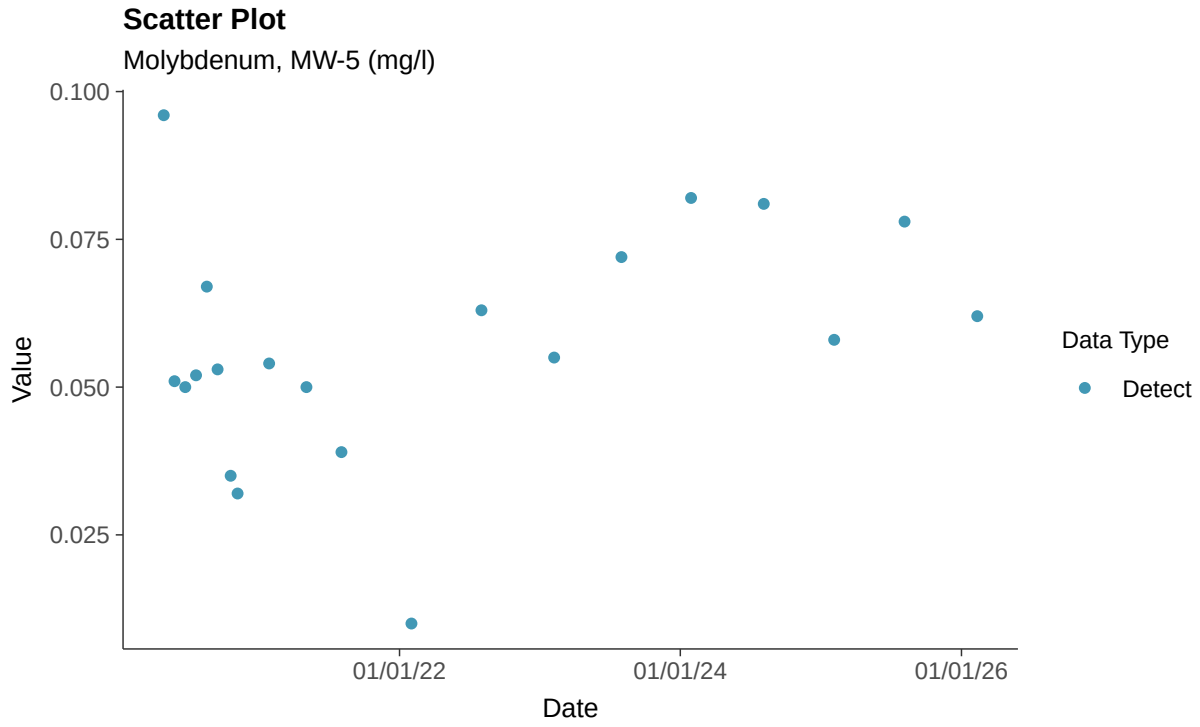
Trend Regression: Piecewise Linear-Linear-Linear

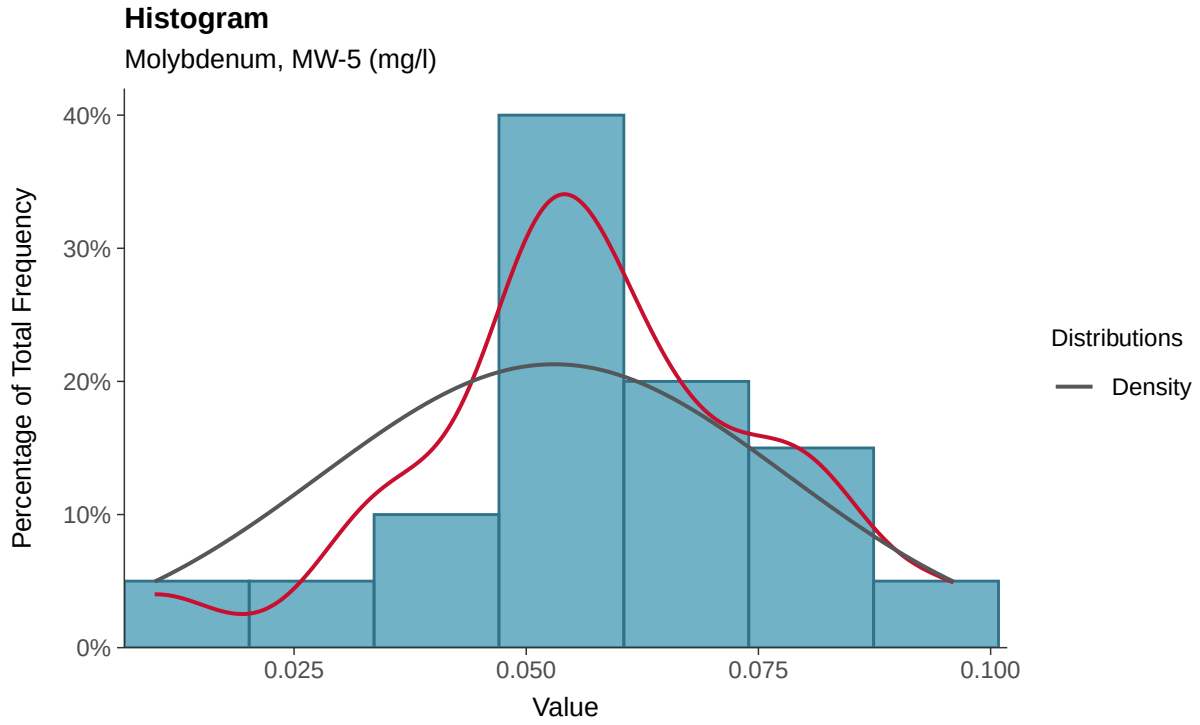
Mercury, MW-5 (mg/l)



Appendix IV: Molybdenum, MW-5

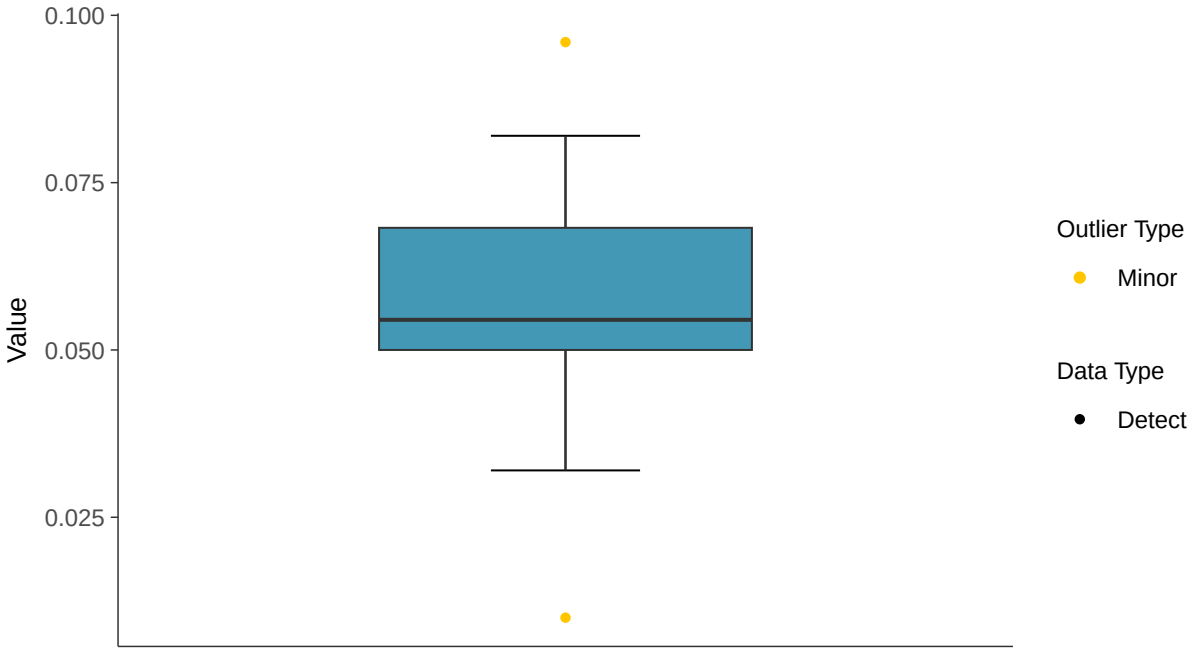
ID: 13_3_118





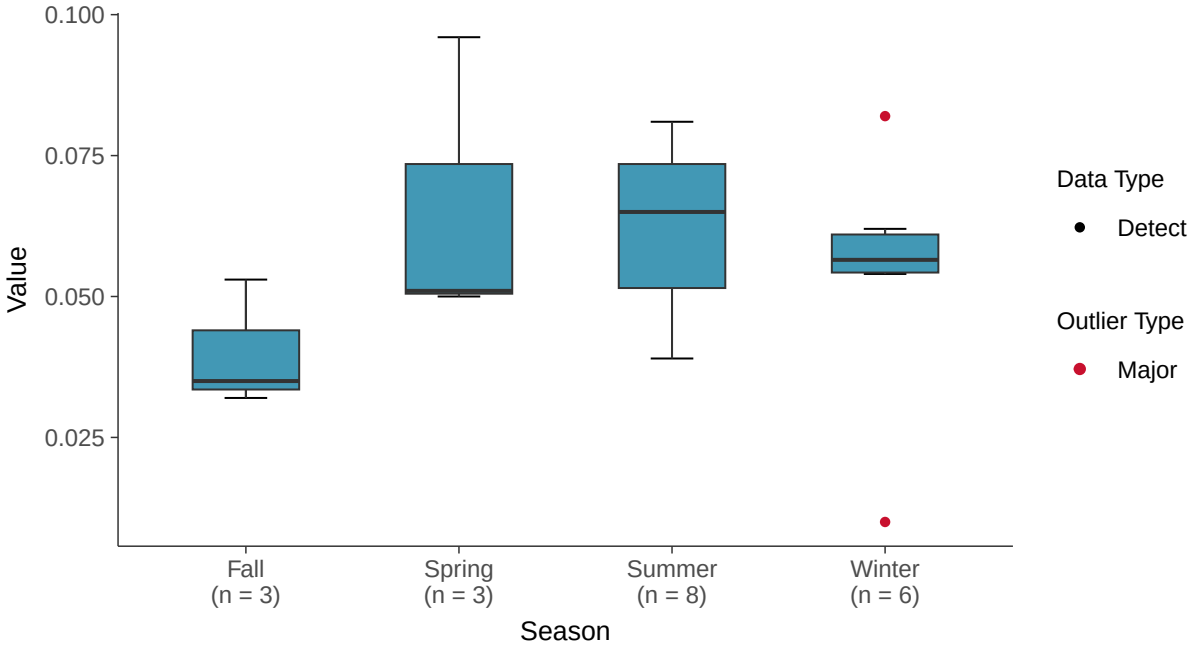
Boxplot

Molybdenum, MW-5 (mg/l)



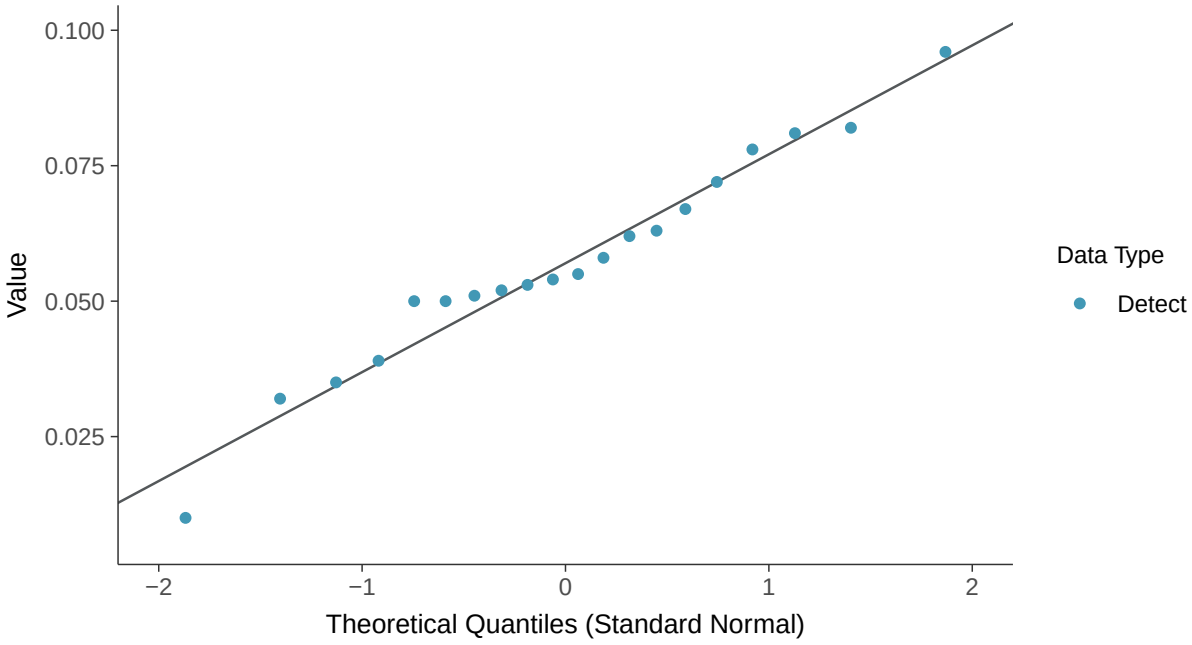
Boxplot by Season

Molybdenum, MW-5 (mg/l)



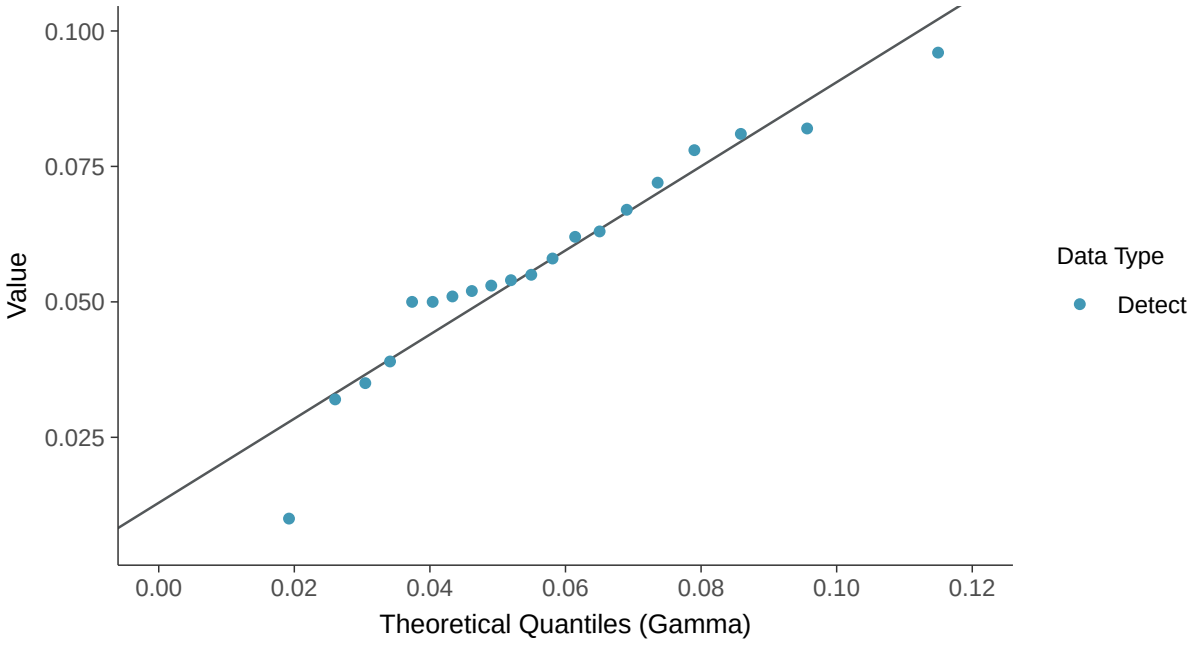
Normal Q-Q plot

Molybdenum, MW-5 (mg/l)



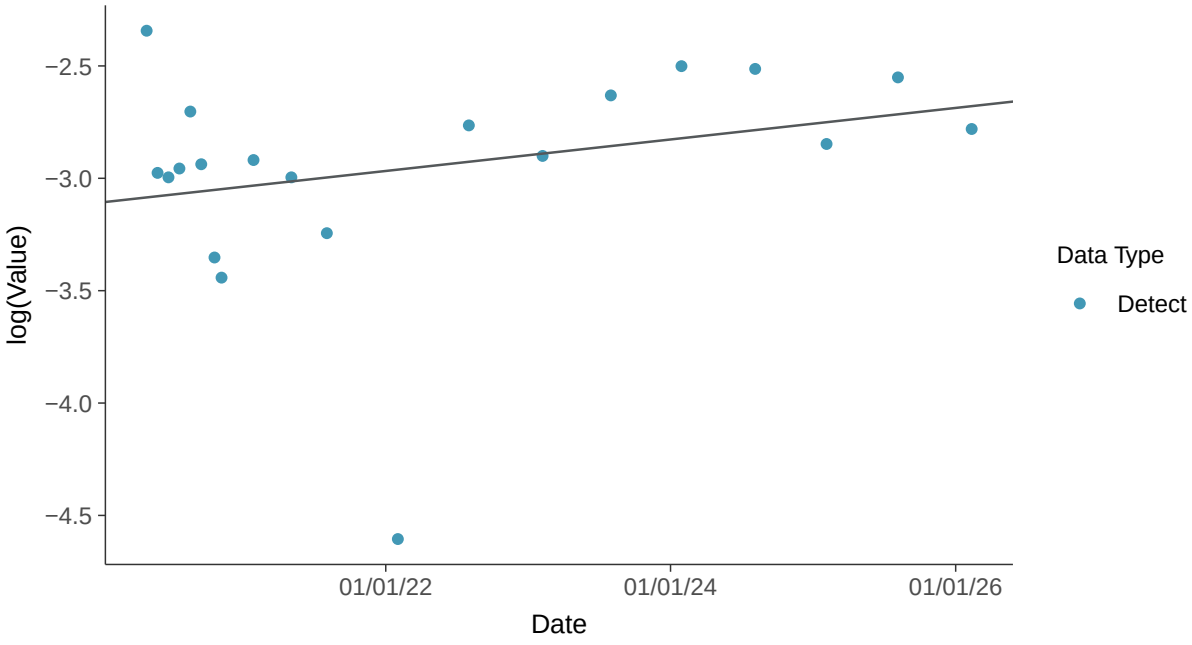
Gamma Q-Q plot

Molybdenum, MW-5 (mg/l)



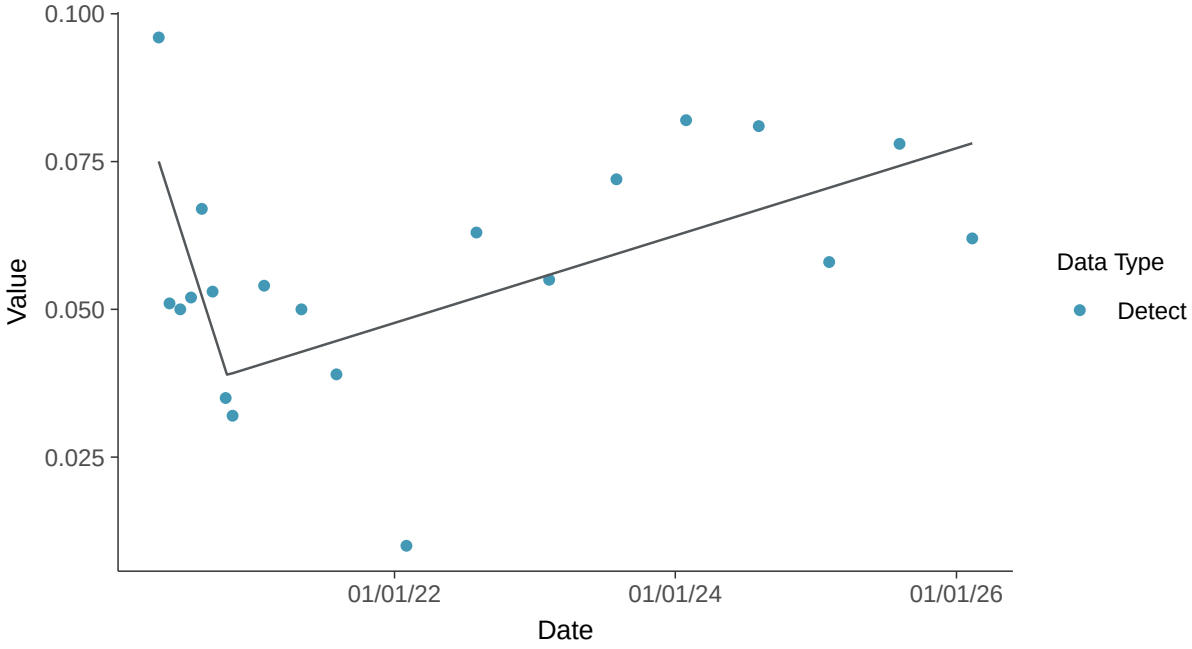
Trend Regression: Lognormal MLE

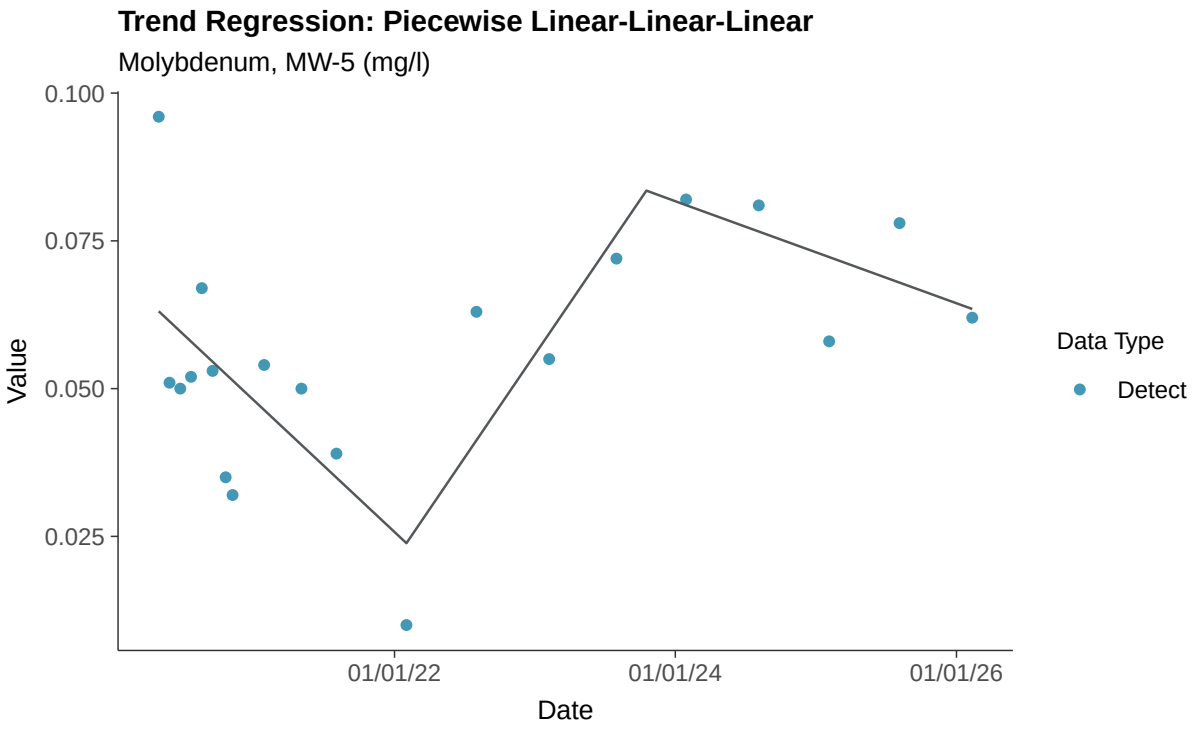
Molybdenum, MW-5 (mg/l)



Trend Regression: Piecewise Linear-Linear

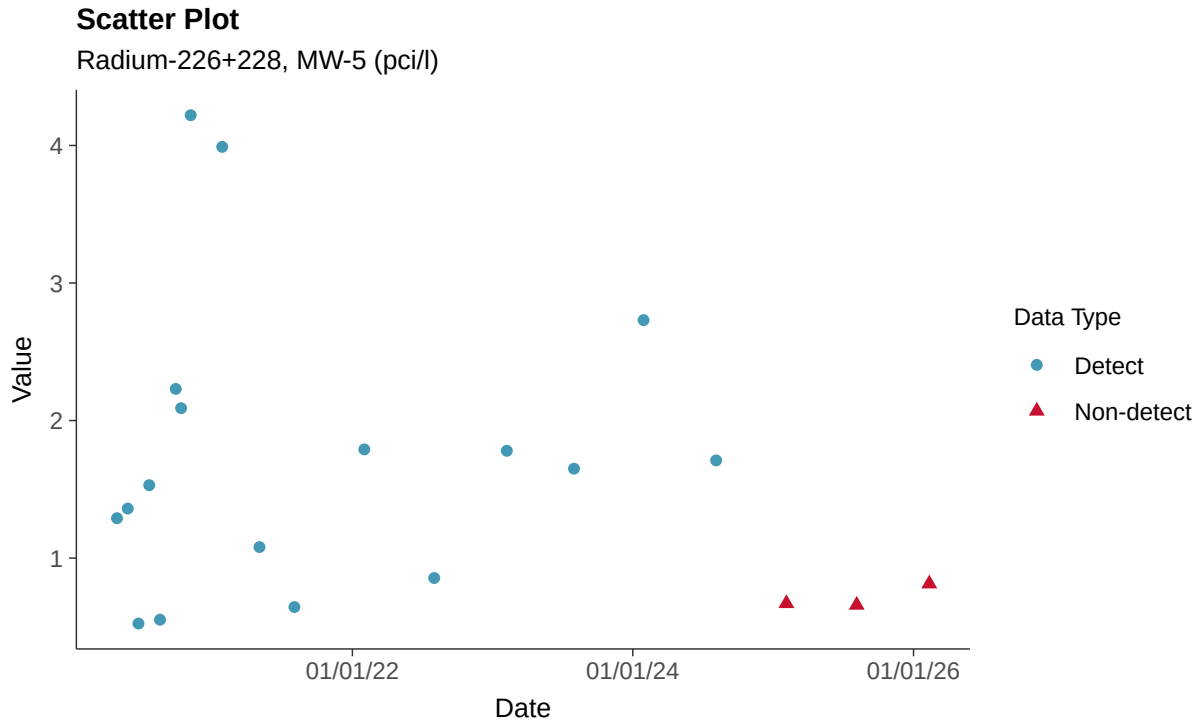
Molybdenum, MW-5 (mg/l)

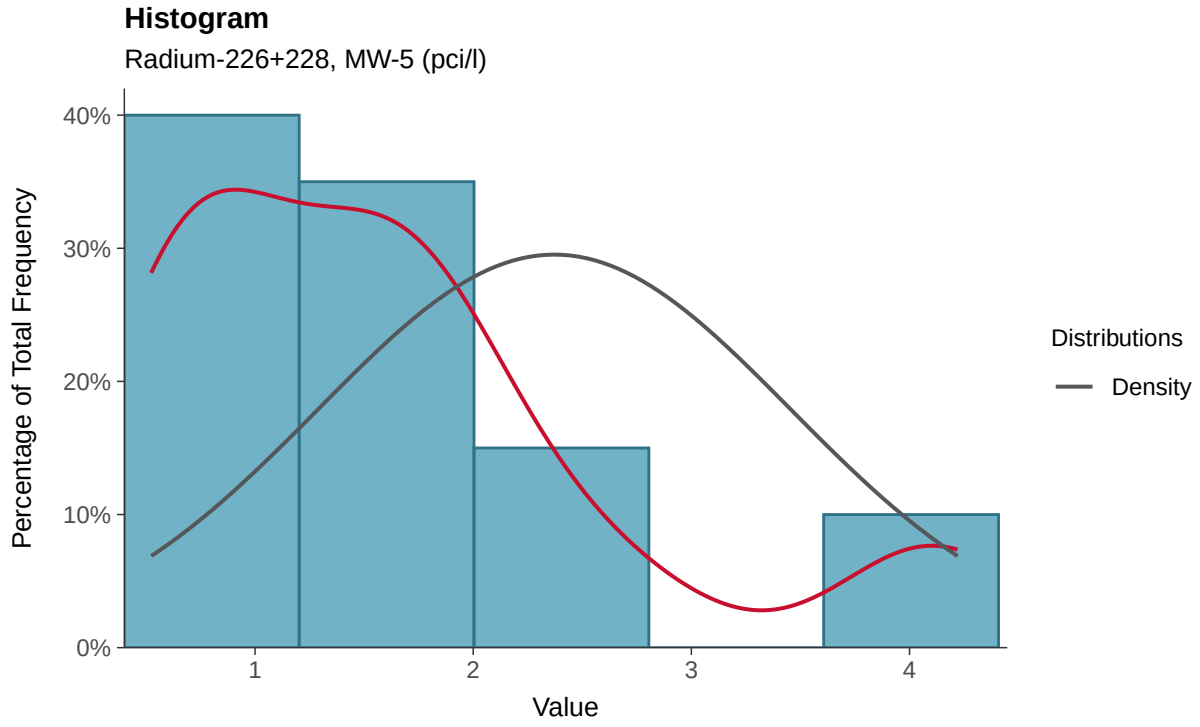



Trend Regression: Piecewise Linear-Linear-Linear
Molybdenum, MW-5 (mg/l)
0.100
0.075
0.050
0.025
Value
01/01/22
01/01/24
01/01/26
Date
Data Type
Detect

Appendix IV: Radium-226+228, MW-5

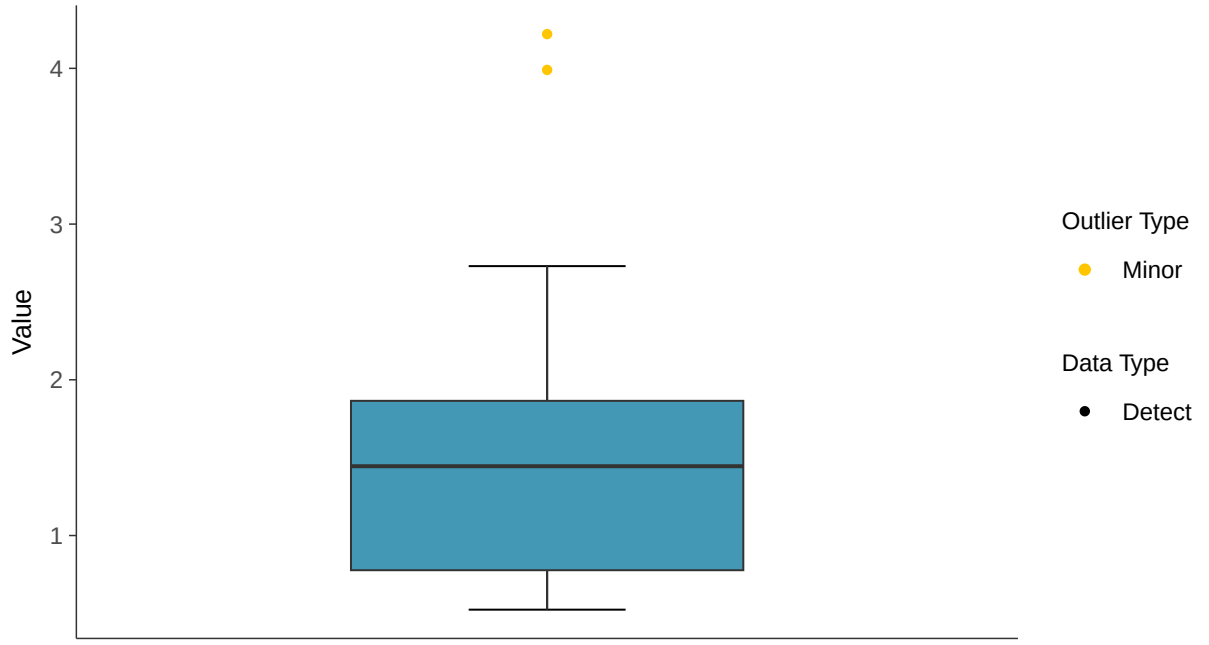
ID: 13_3_121





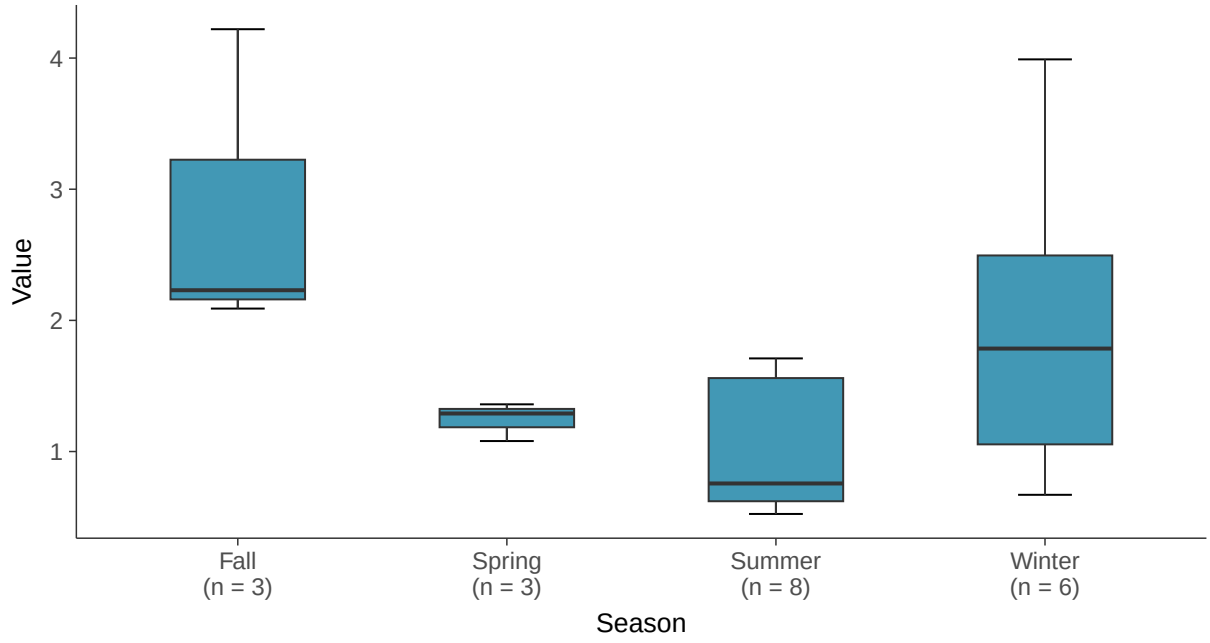
Boxplot

Radium-226+228, MW-5 (pci/l)



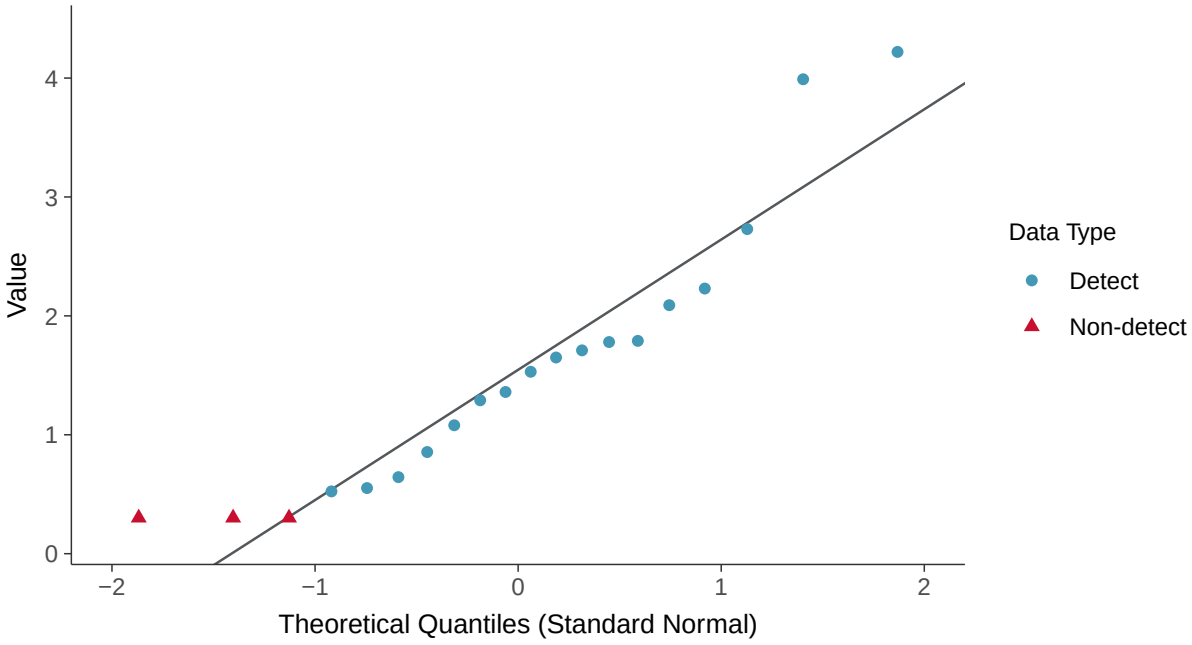
Boxplot by Season

Radium-226+228, MW-5 (pci/l)



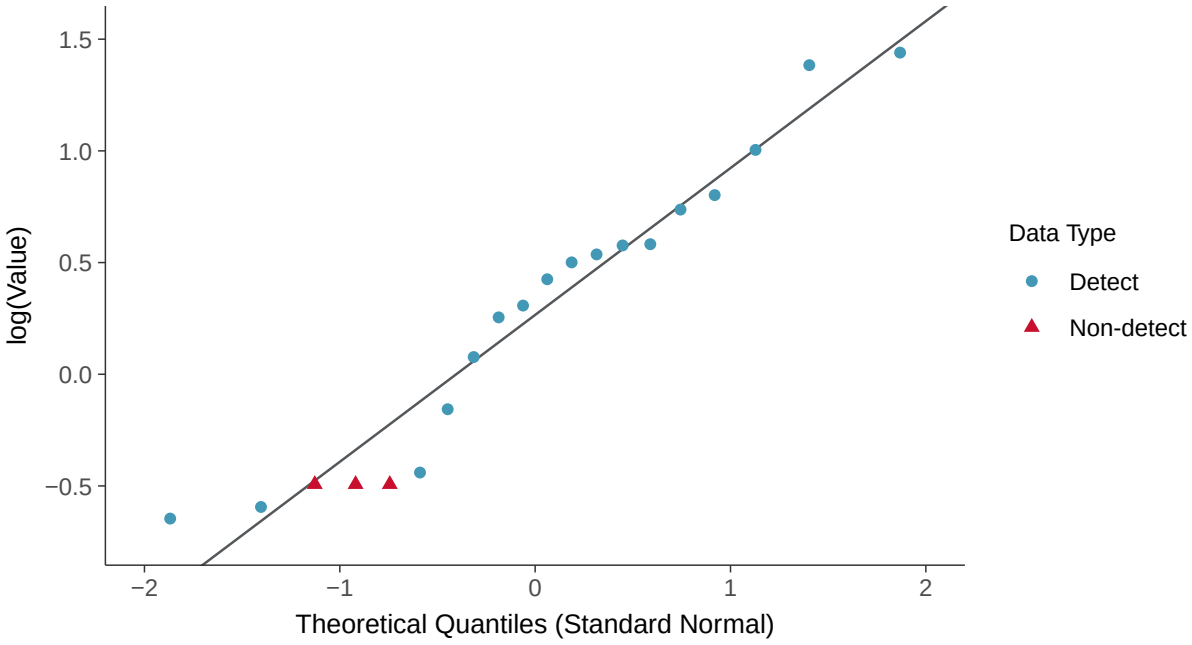
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-5 (pci/l)



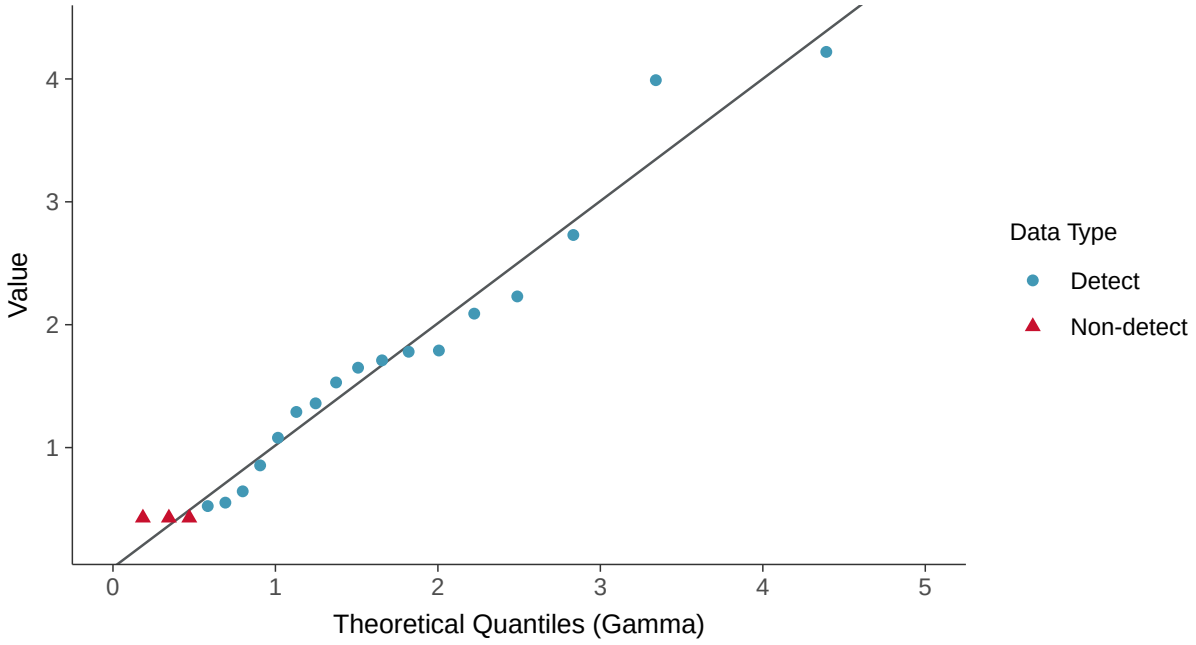
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-5 (pci/l)



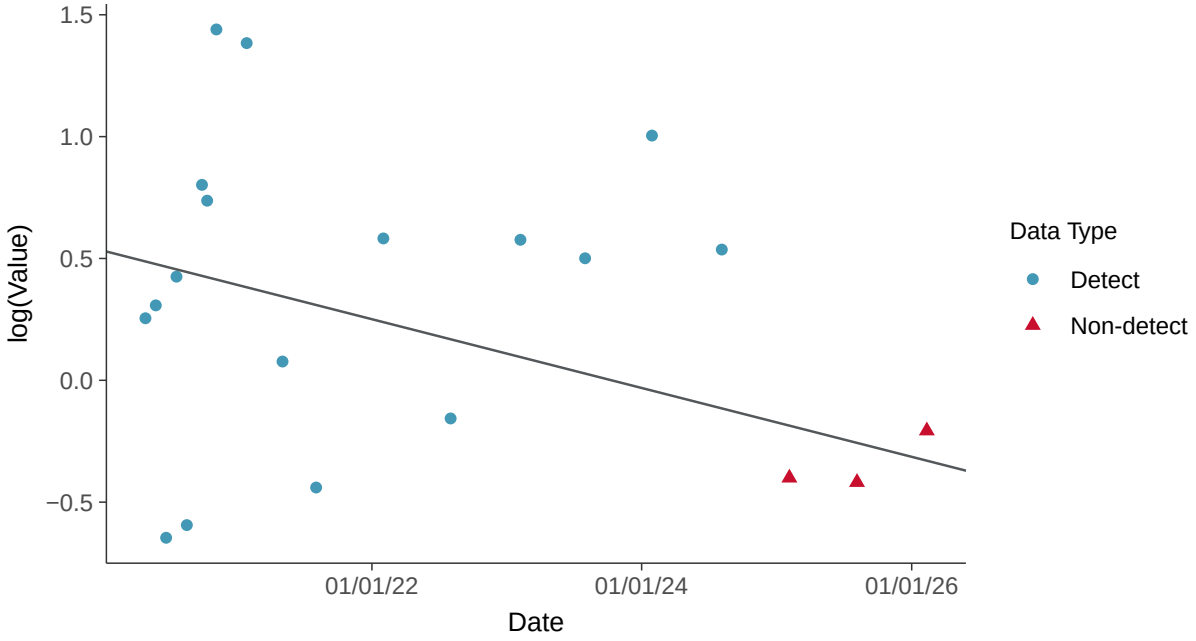
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-5 (pci/l)



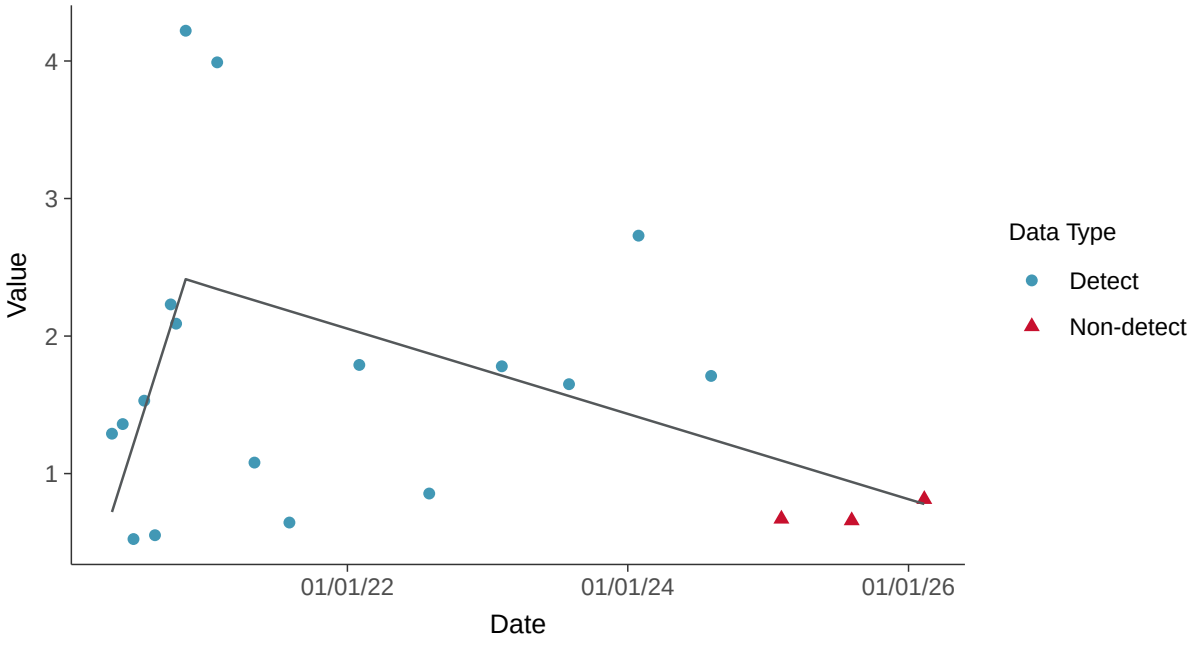
Trend Regression: Lognormal MLE

Radium-226+228, MW-5 (pci/l)



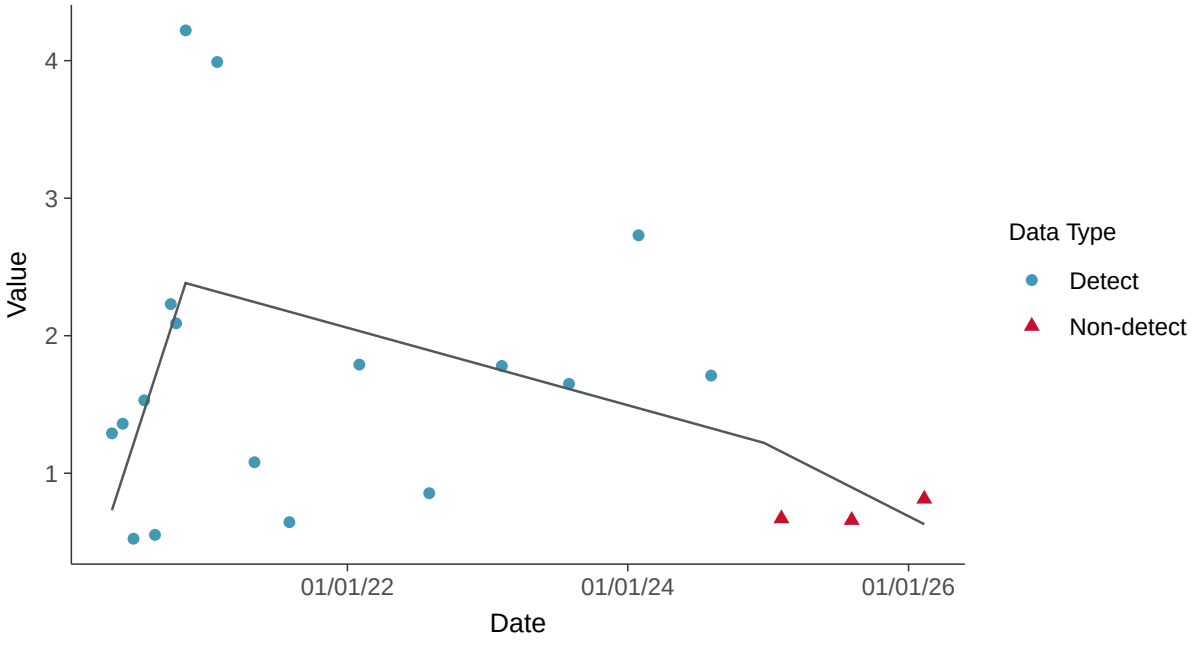
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-5 (pci/l)



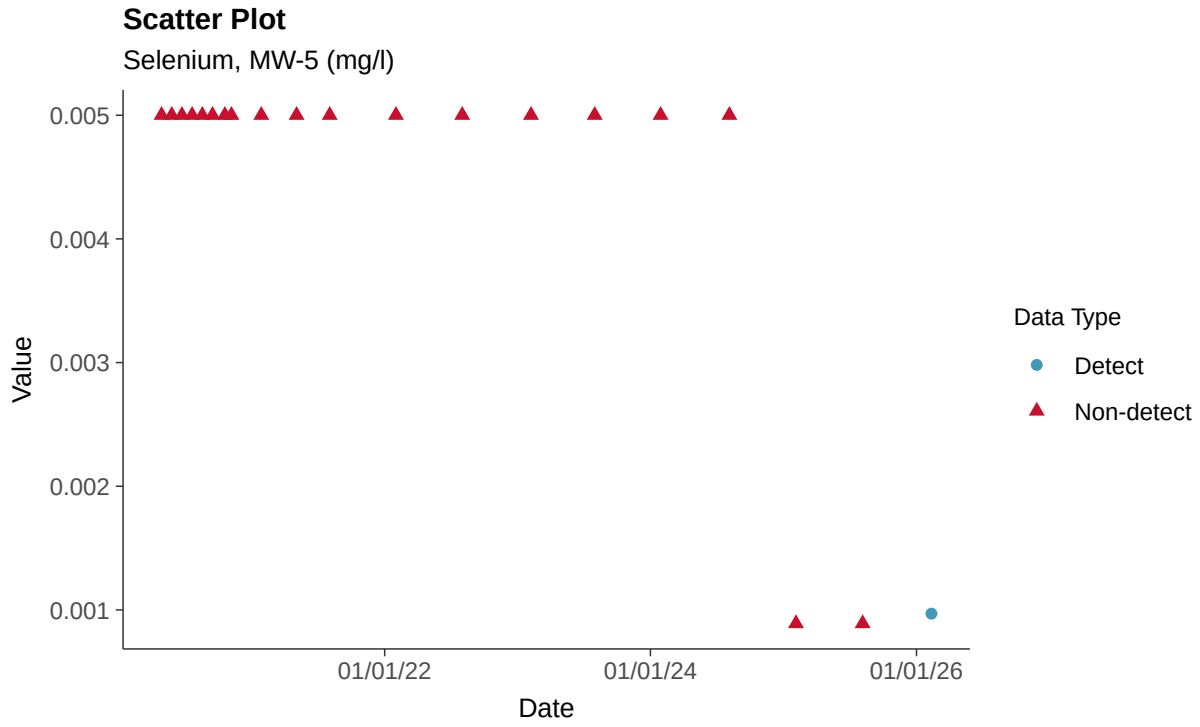
Trend Regression: Piecewise Linear-Linear-Linear

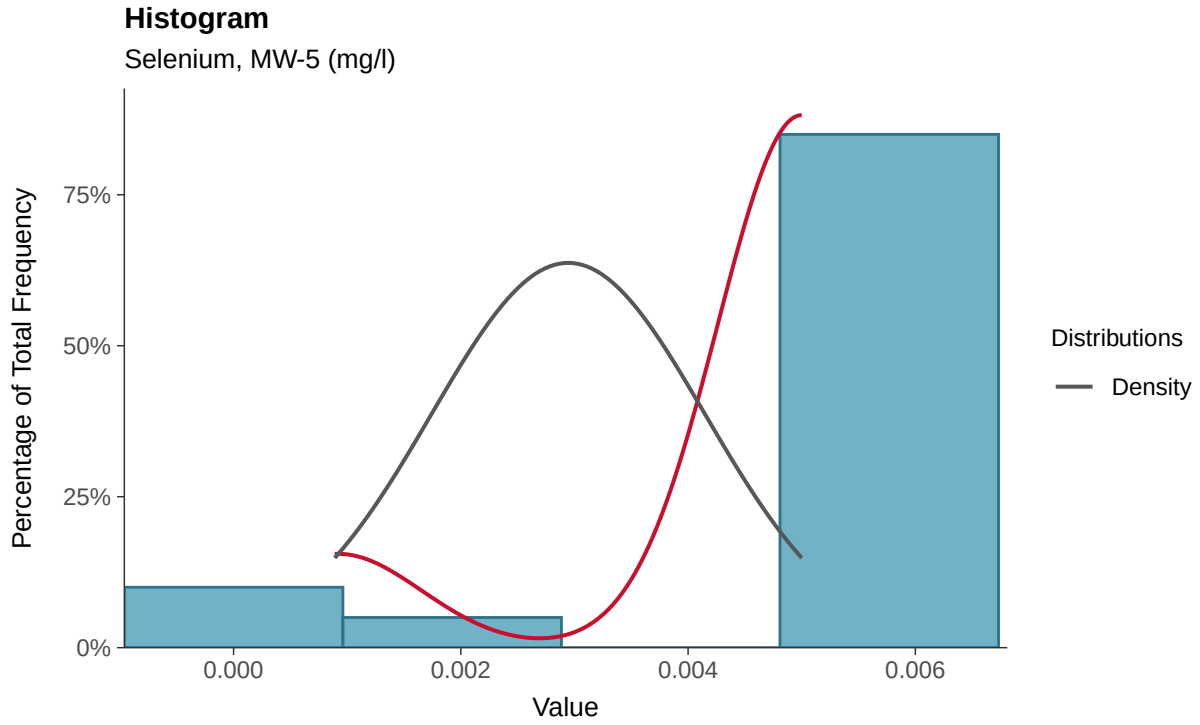
Radium-226+228, MW-5 (pci/l)



Appendix IV: Selenium, MW-5

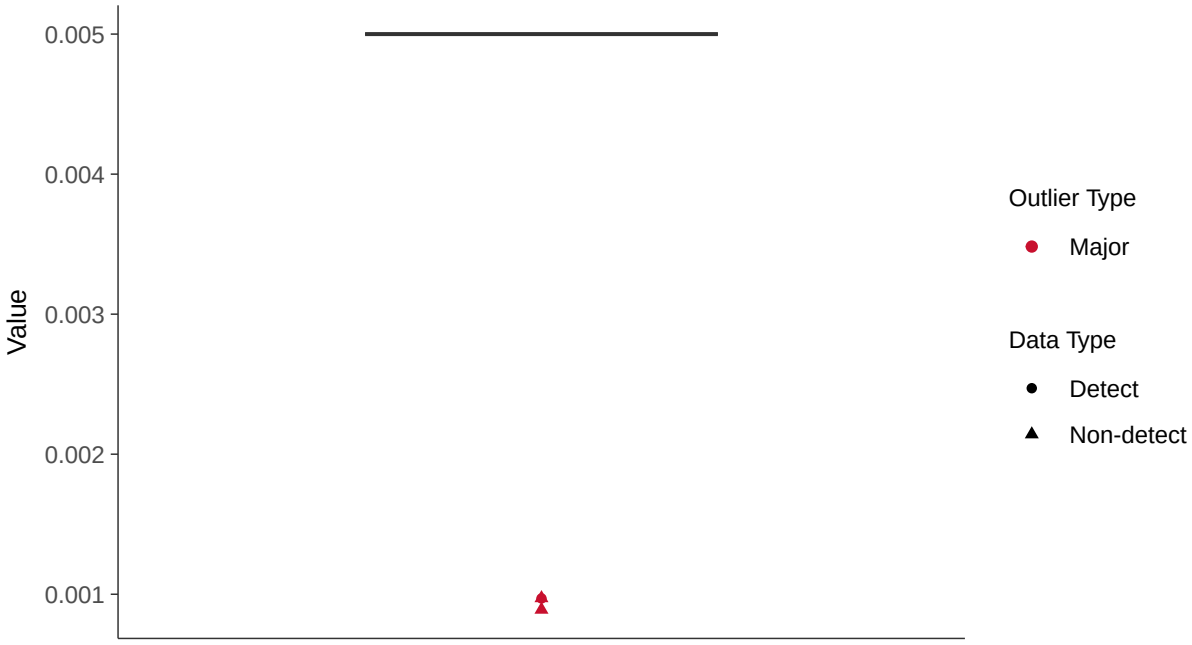
ID: 13_3_122





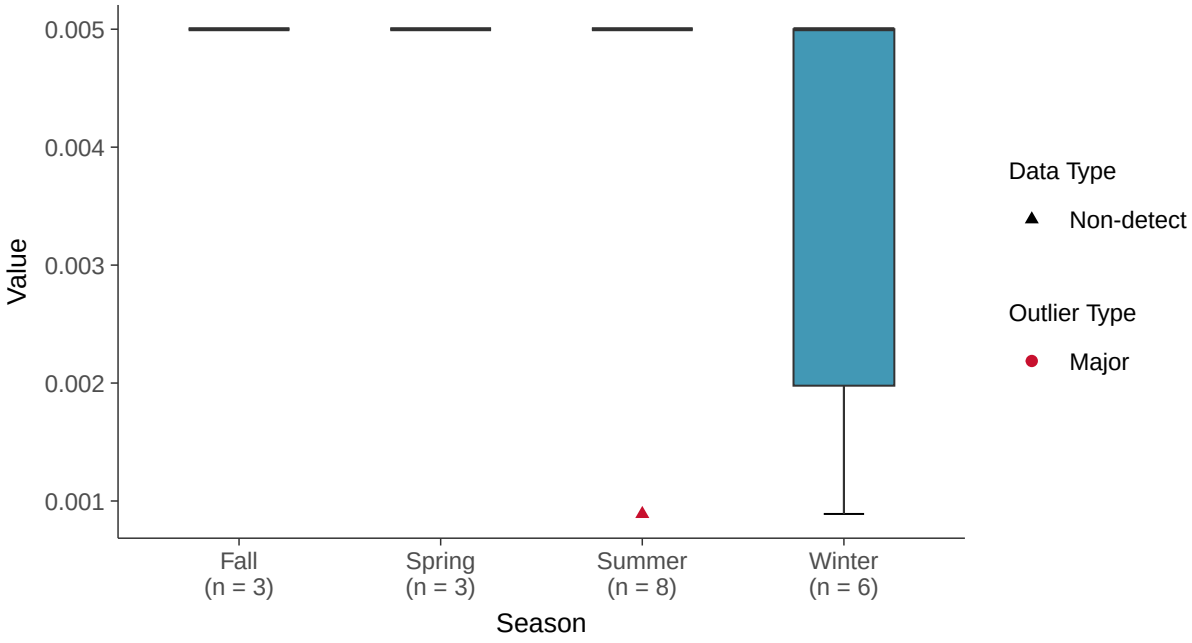
Boxplot

Selenium, MW-5 (mg/l)



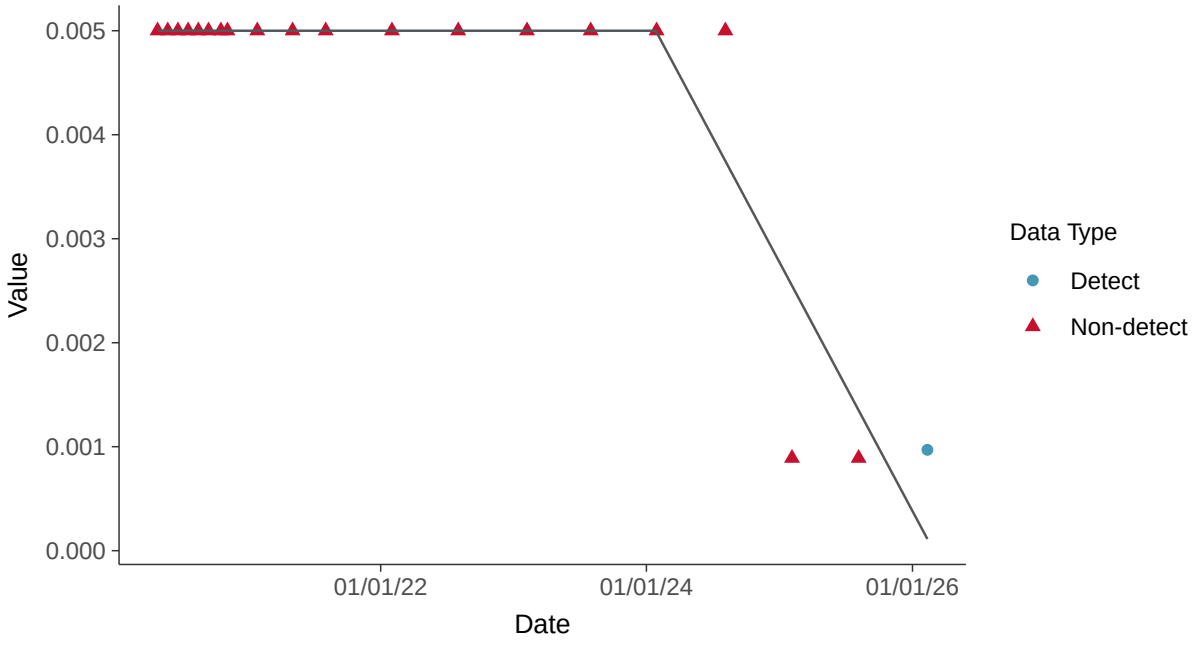
Boxplot by Season

Selenium, MW-5 (mg/l)



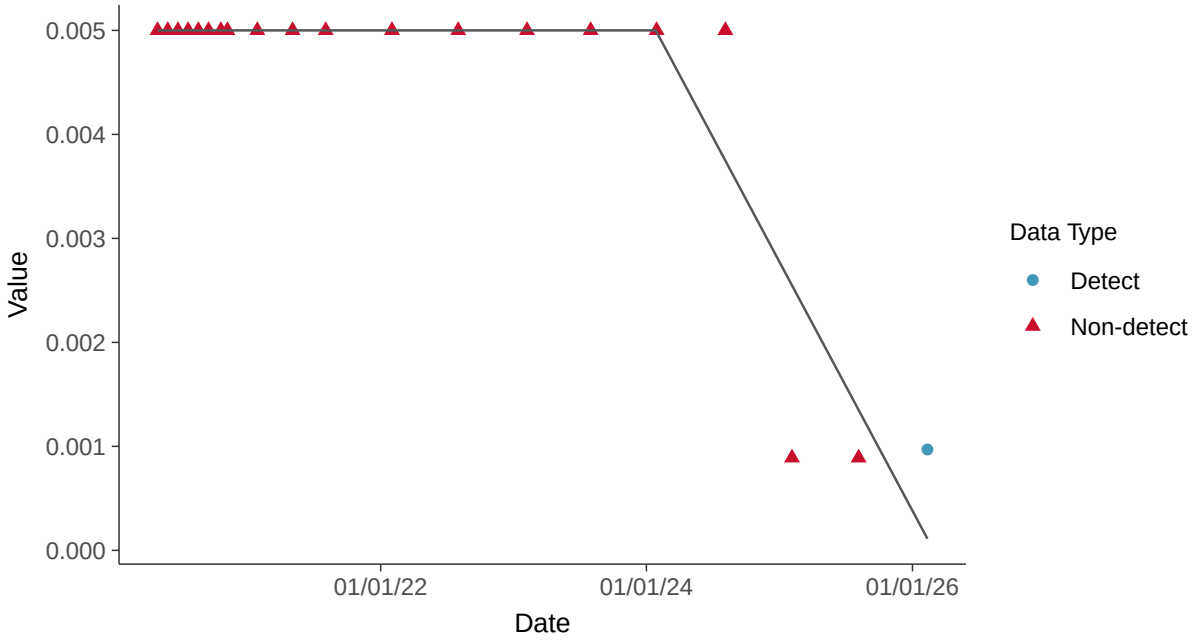
Trend Regression: Piecewise Linear-Linear

Selenium, MW-5 (mg/l)



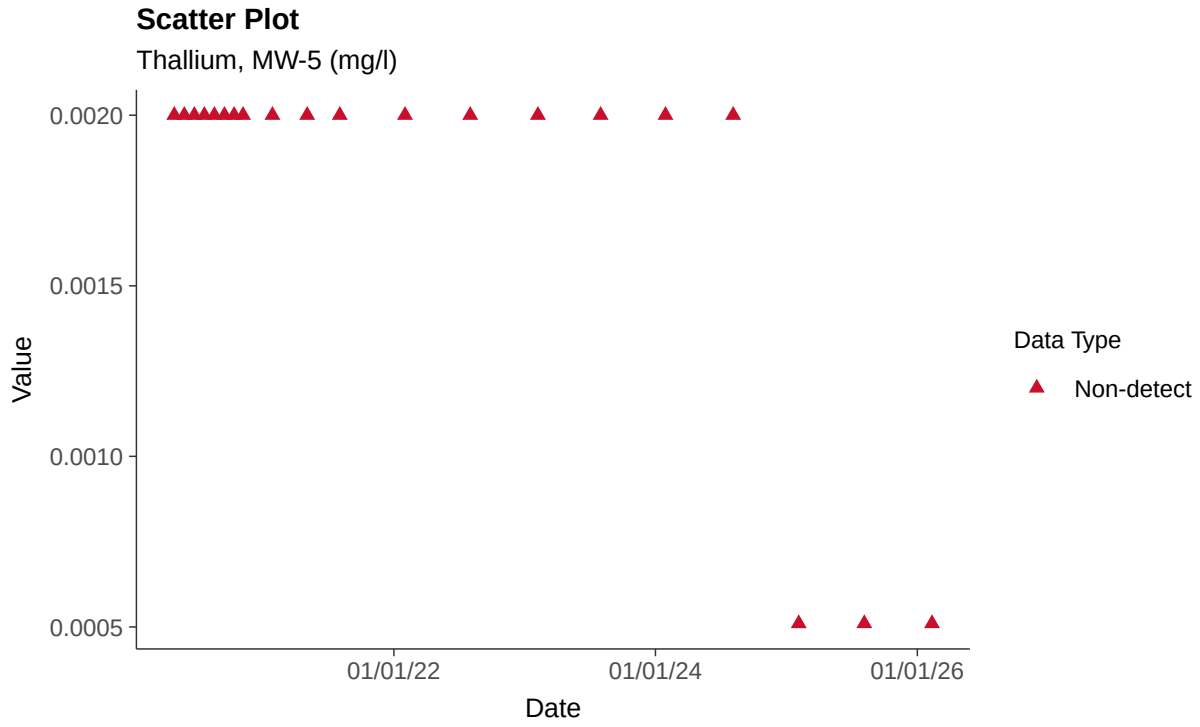
Trend Regression: Piecewise Linear-Linear-Linear

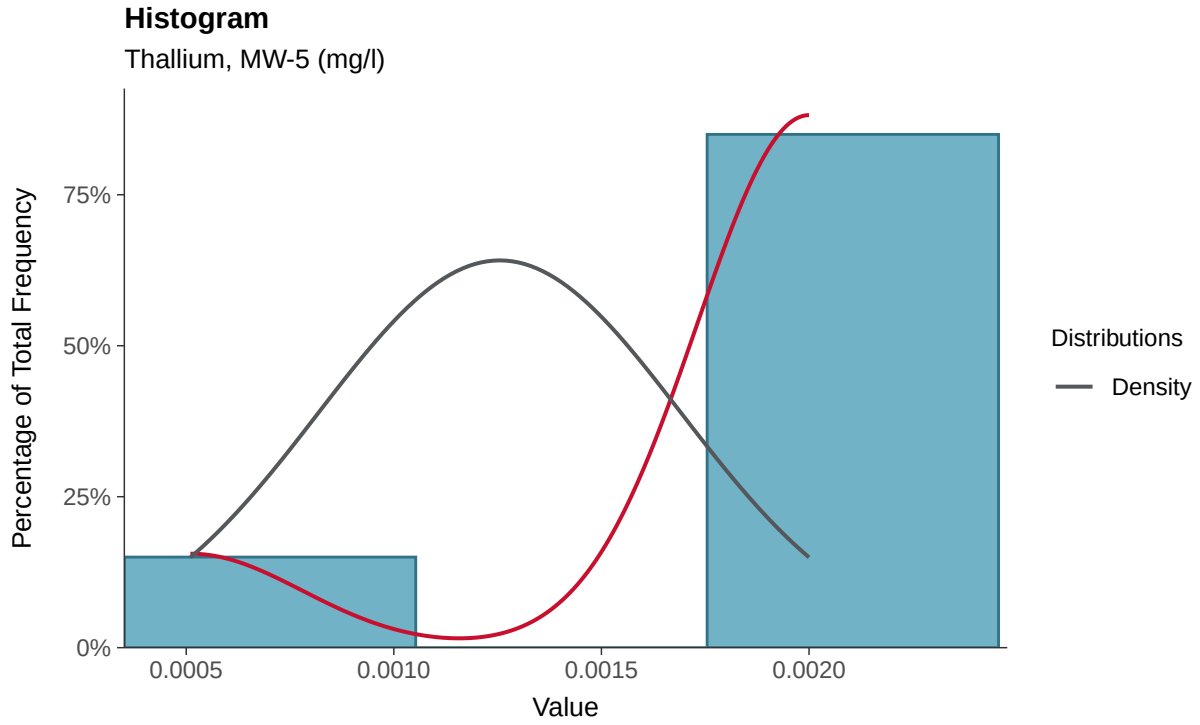
Selenium, MW-5 (mg/l)



Appendix IV: Thallium, MW-5

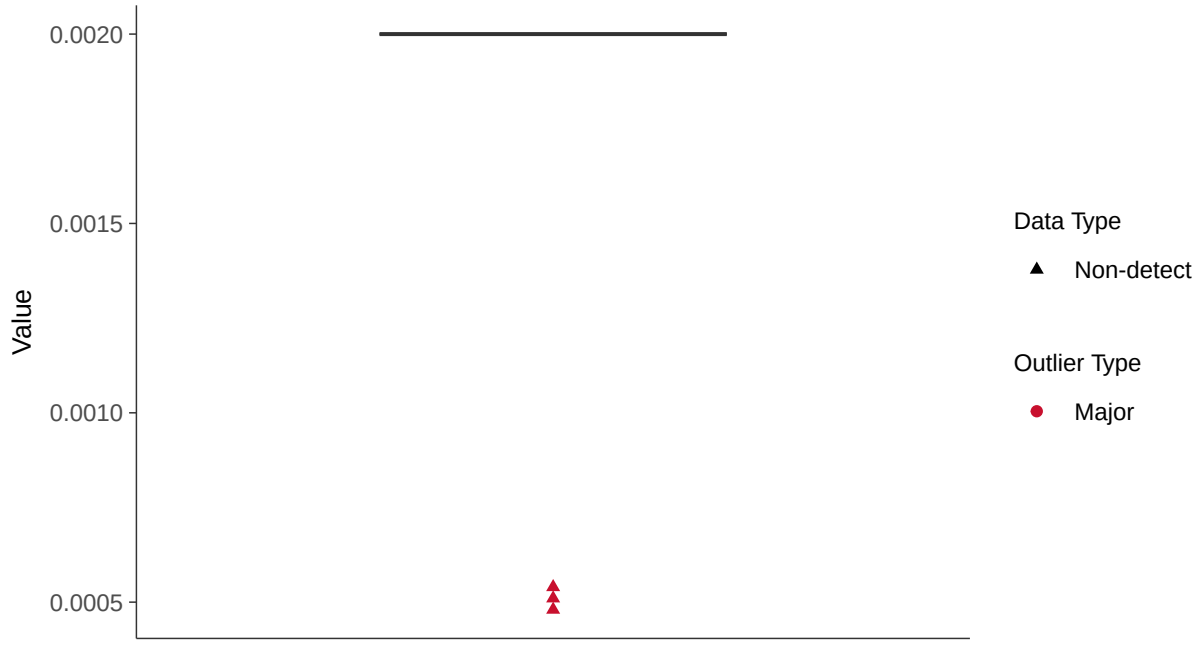
ID: 13_3_125





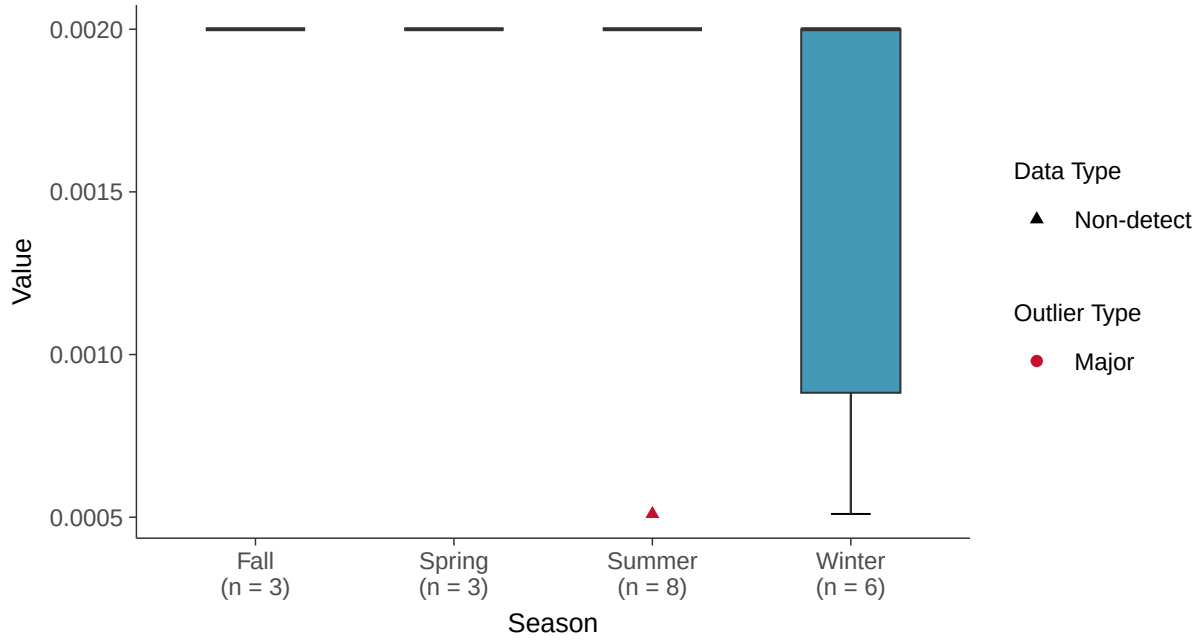
Boxplot

Thallium, MW-5 (mg/l)



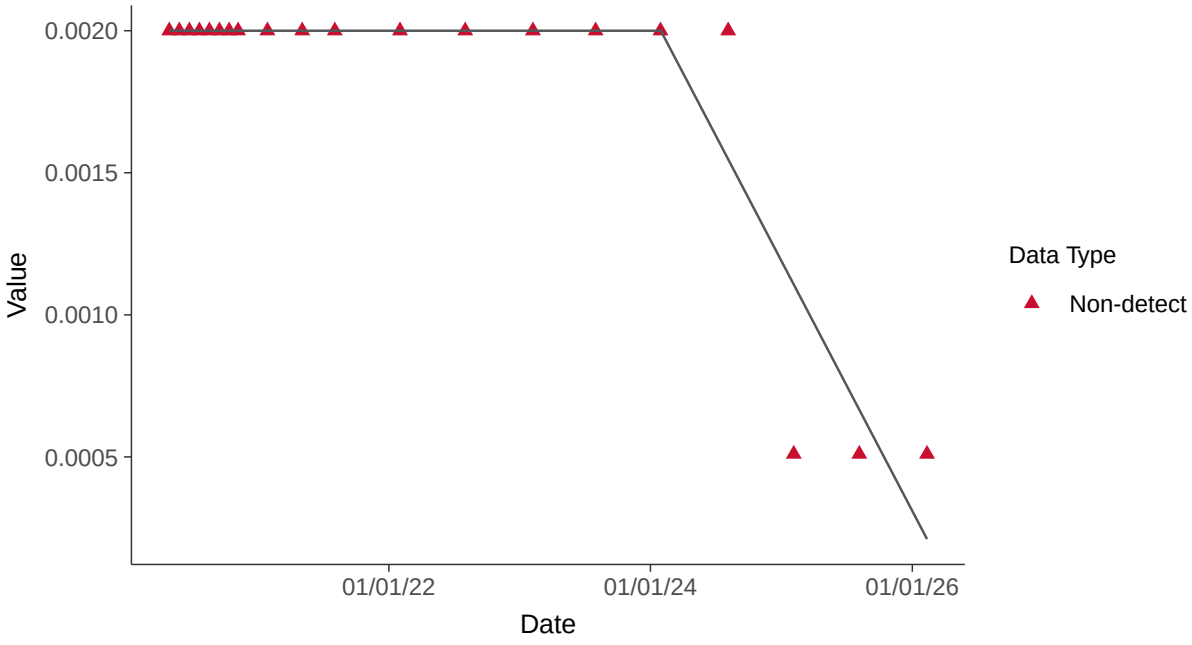
Boxplot by Season

Thallium, MW-5 (mg/l)



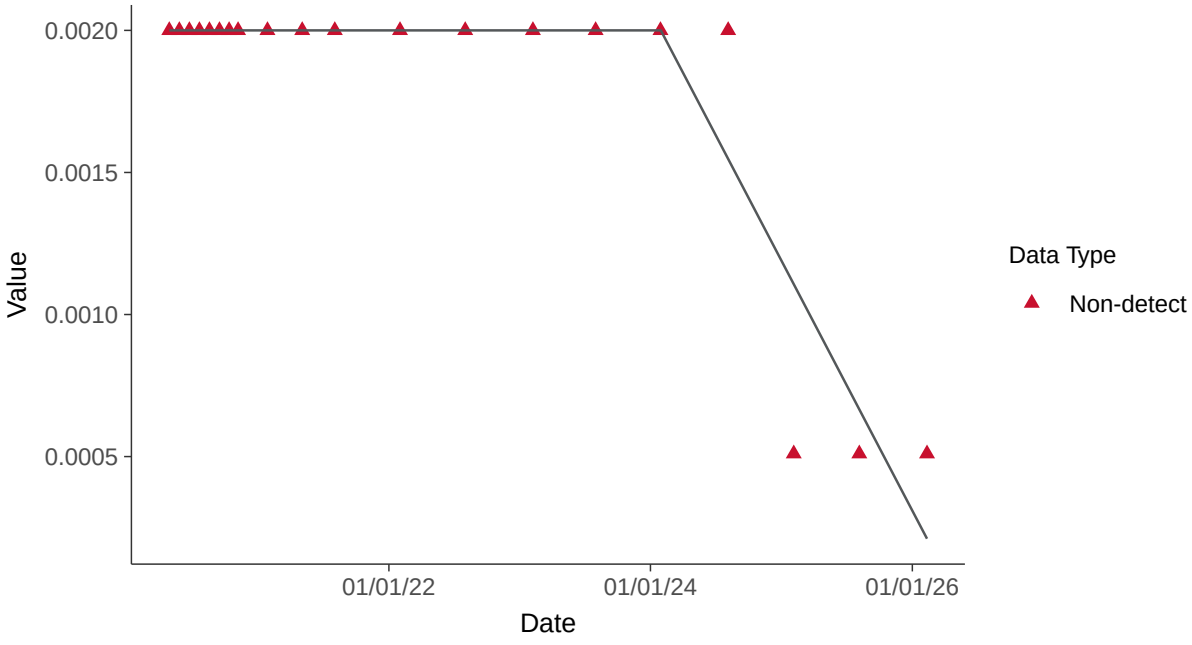
Trend Regression: Piecewise Linear-Linear

Thallium, MW-5 (mg/l)



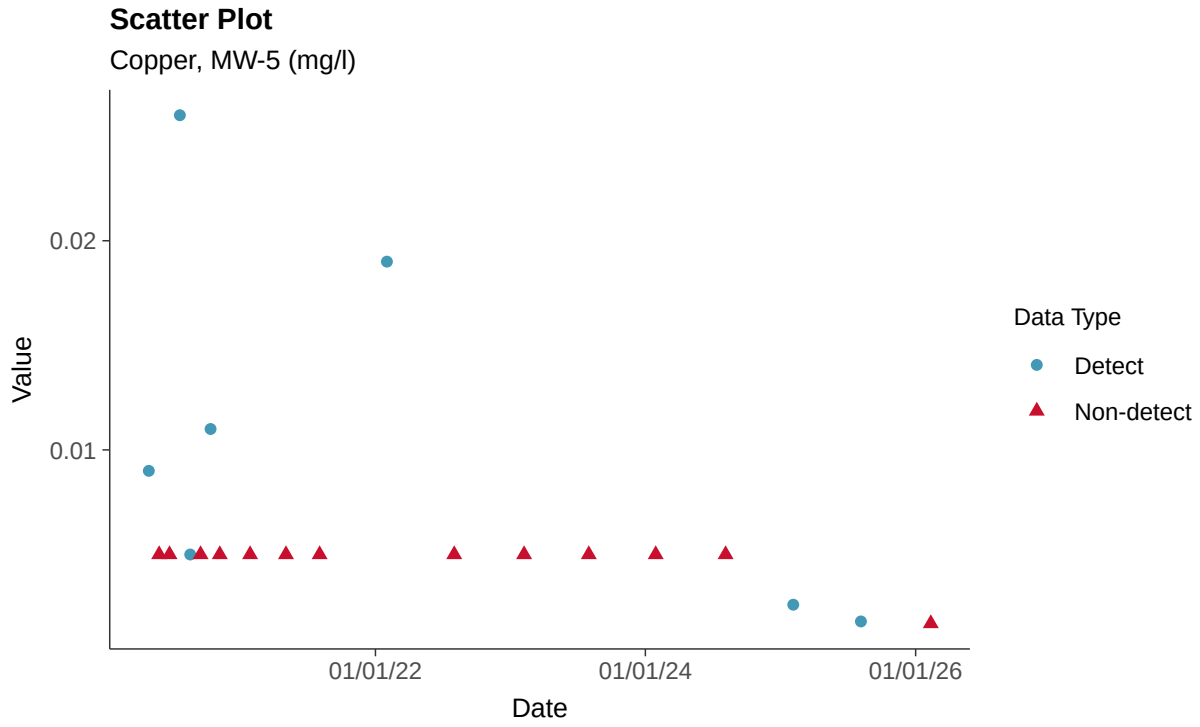
Trend Regression: Piecewise Linear-Linear-Linear

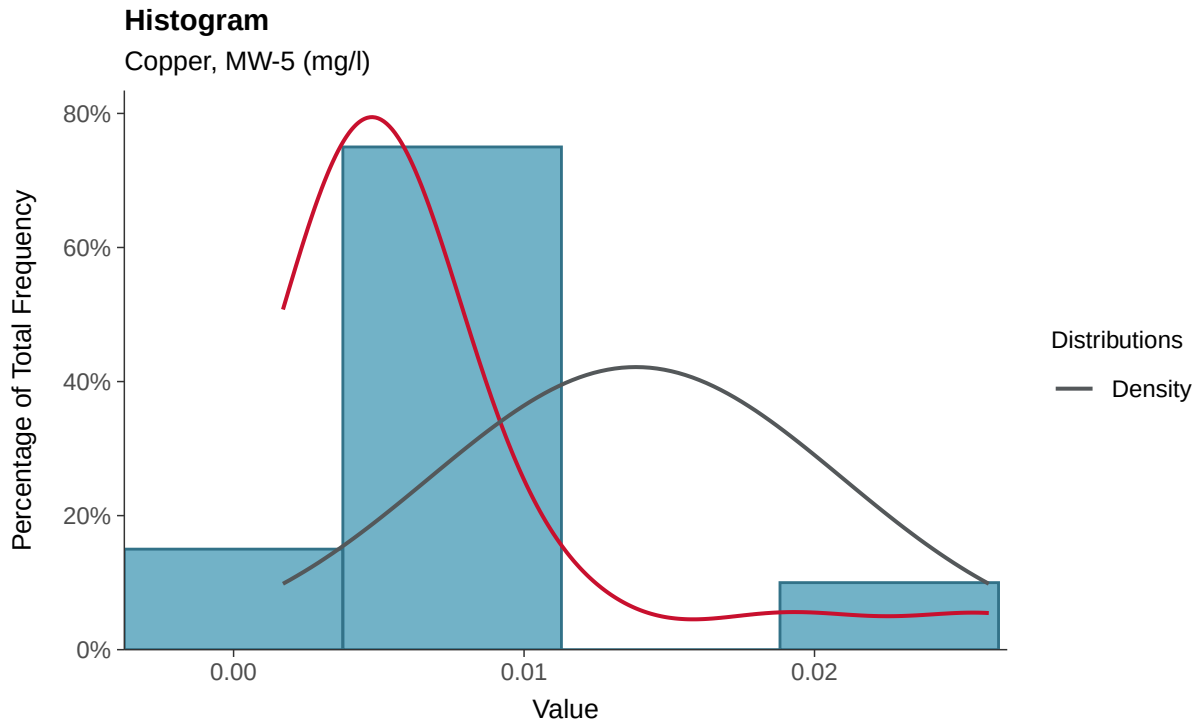
Thallium, MW-5 (mg/l)



Part 115: Copper, MW-5

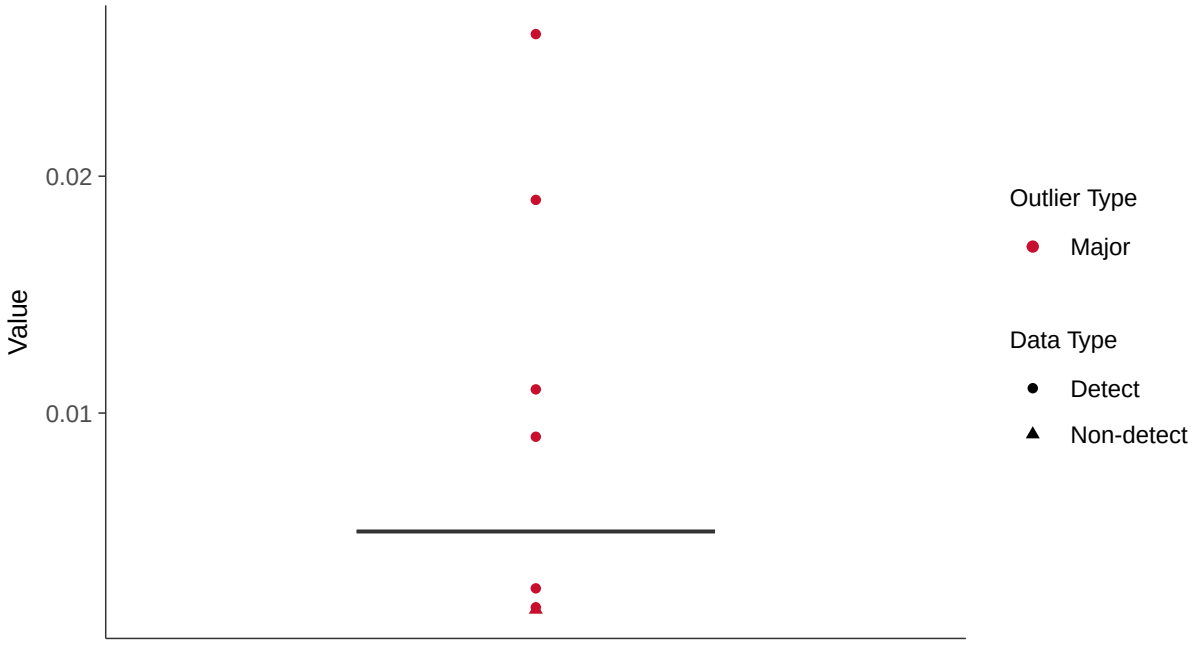
ID: 13_5_111





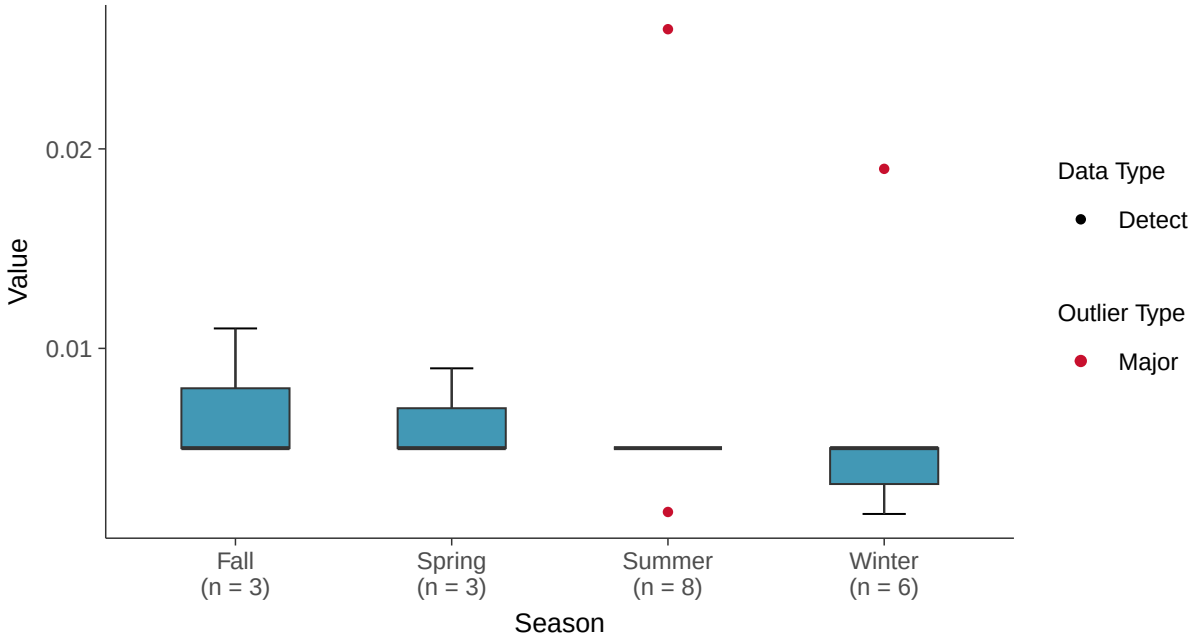
Boxplot

Copper, MW-5 (mg/l)



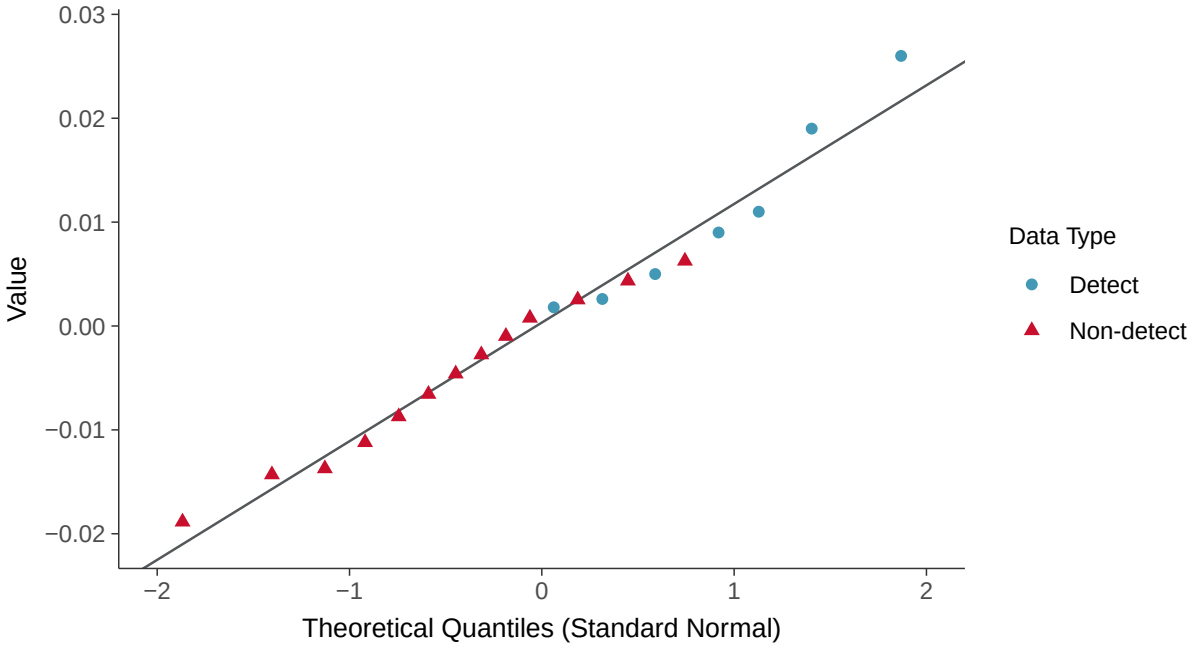
Boxplot by Season

Copper, MW-5 (mg/l)



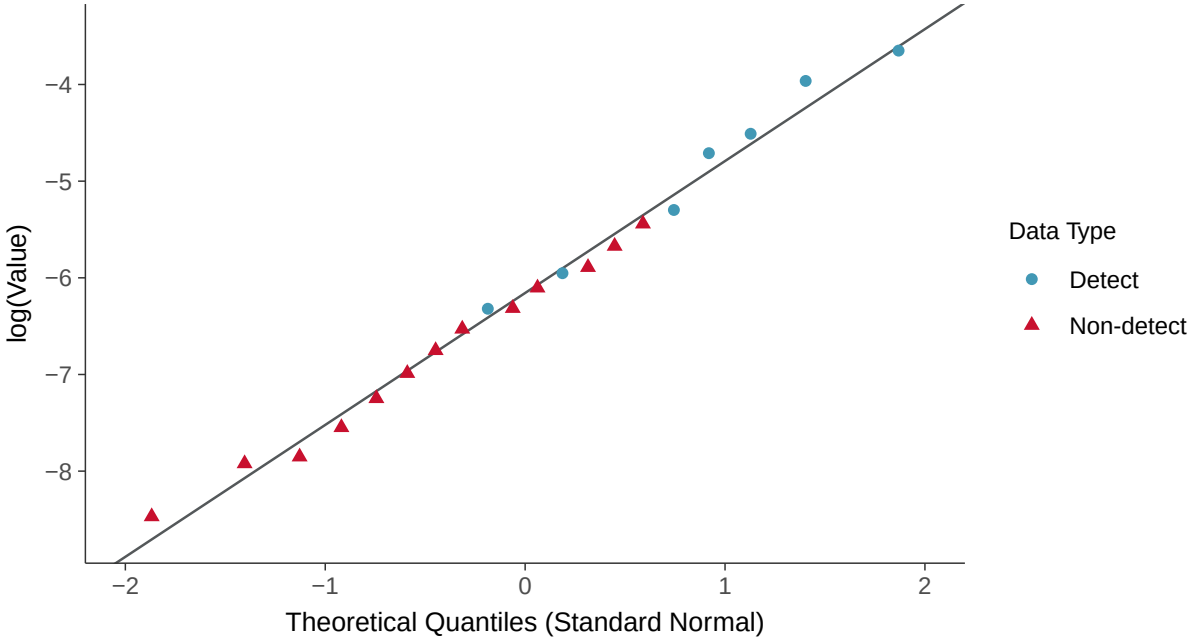
Normal Q-Q plot using ROS Imputed Estimates

Copper, MW-5 (mg/l)



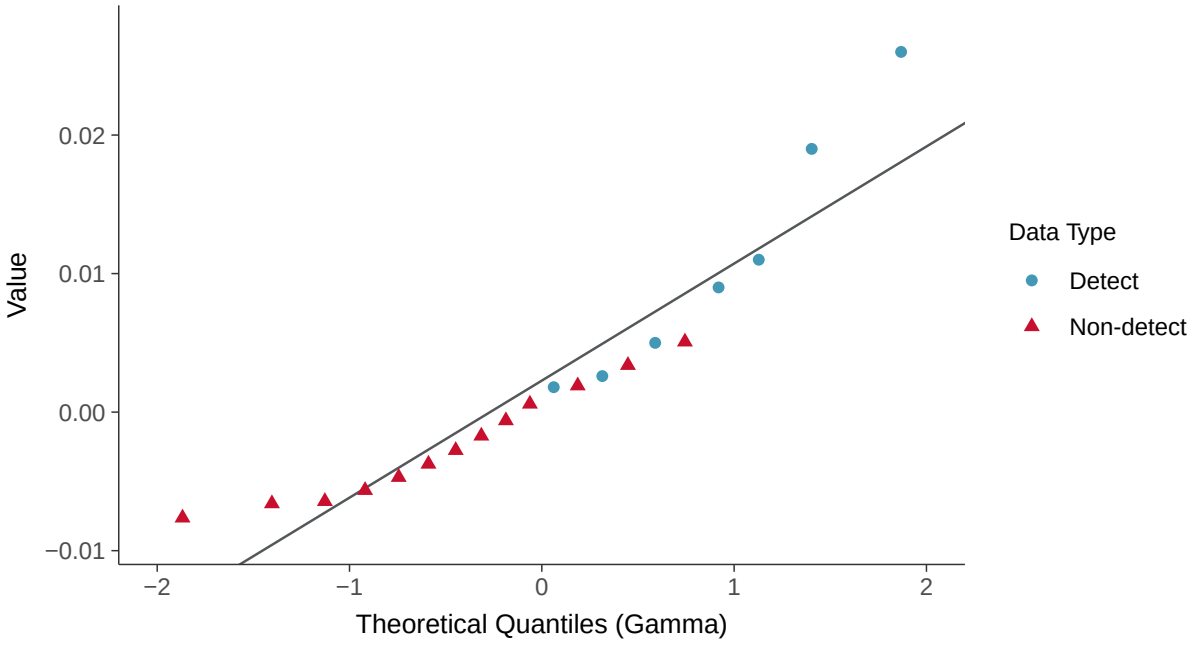
Lognormal Q-Q plot using ROS Imputed Estimates

Copper, MW-5 (mg/l)



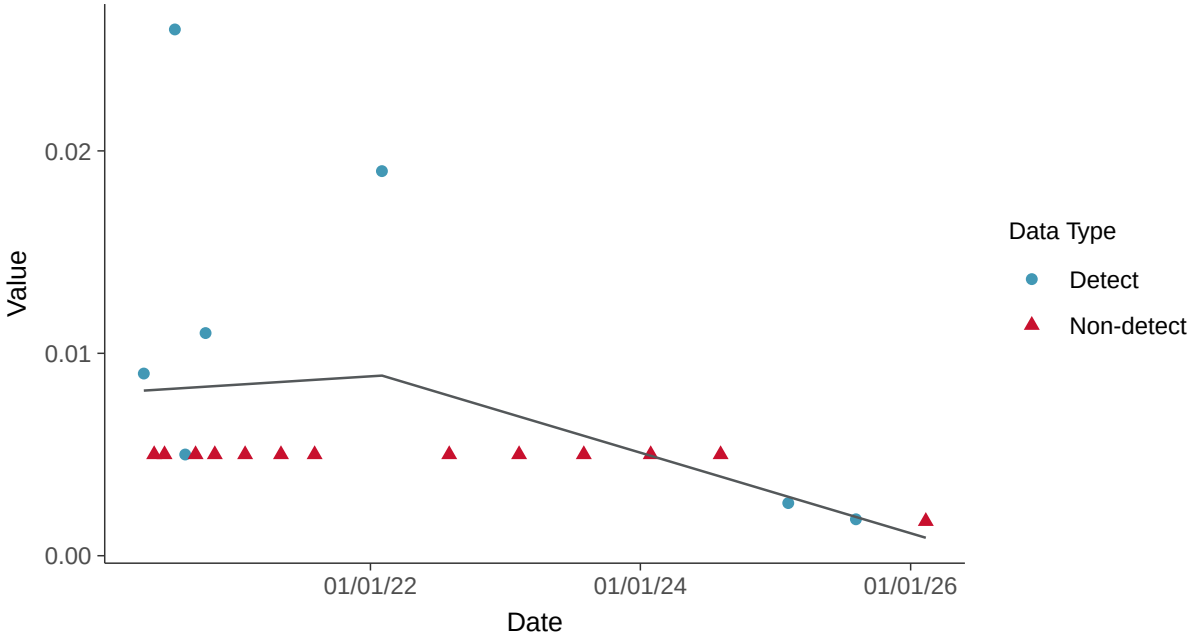
Gamma Q-Q plot using ROS Imputed Estimates

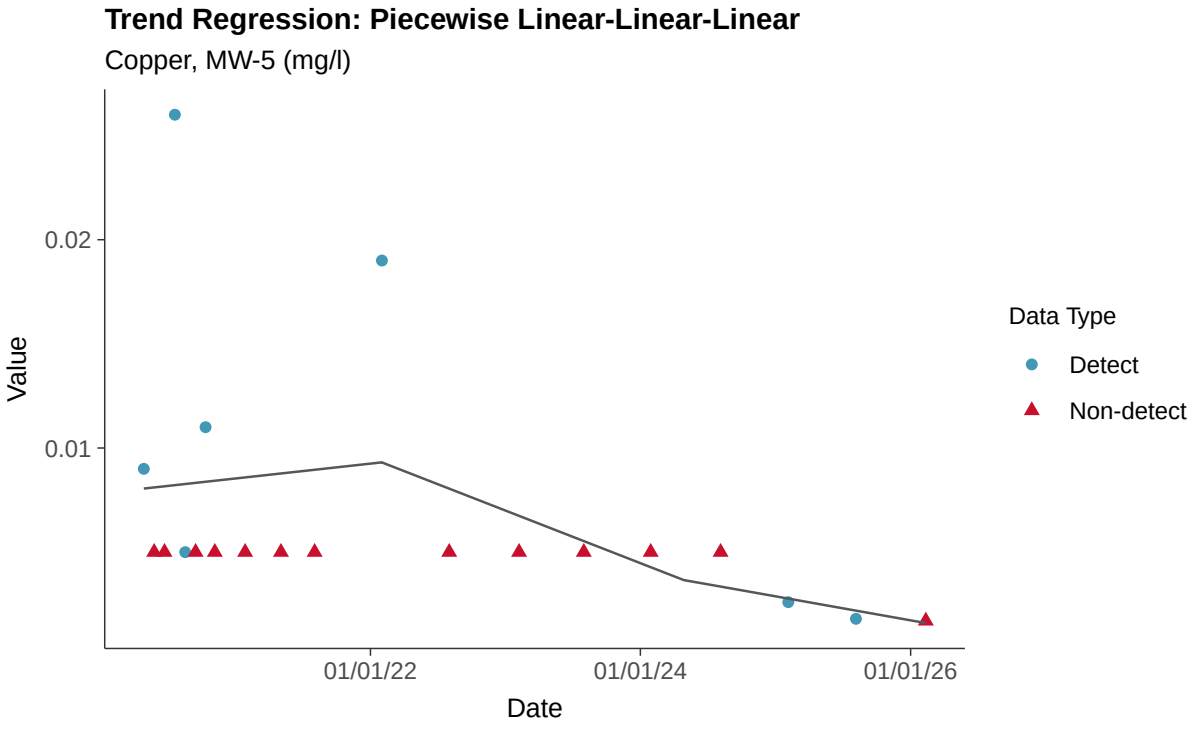
Copper, MW-5 (mg/l)



Trend Regression: Piecewise Linear-Linear

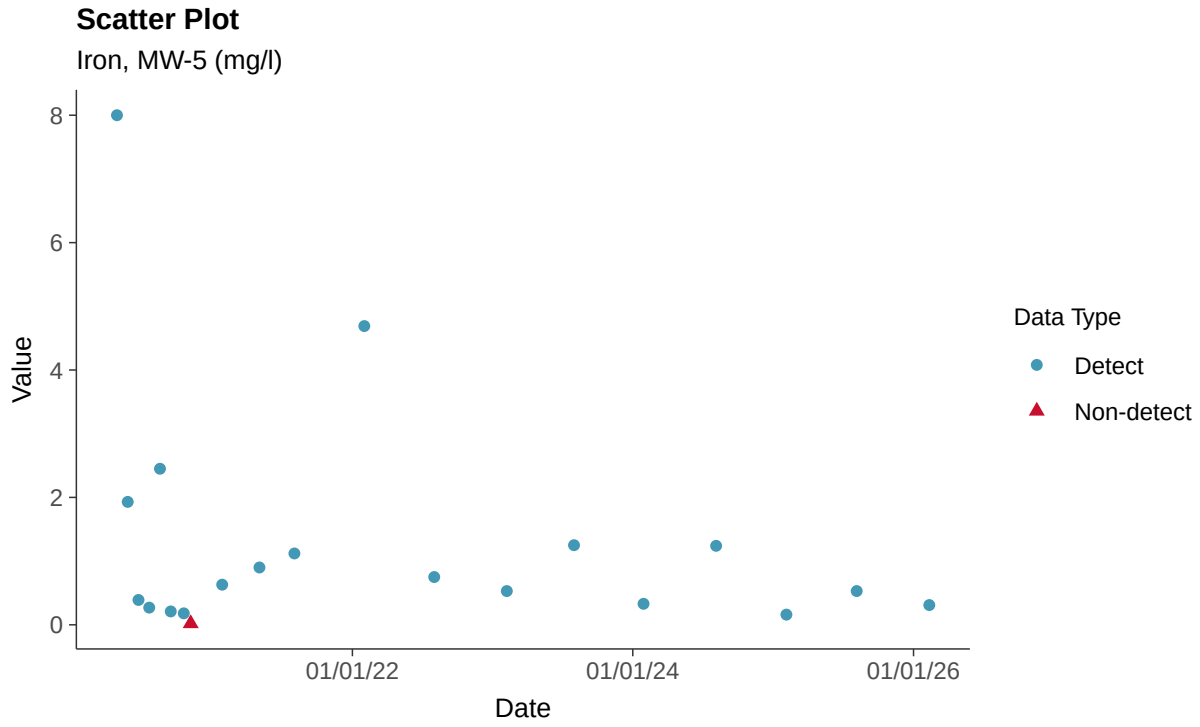
Copper, MW-5 (mg/l)

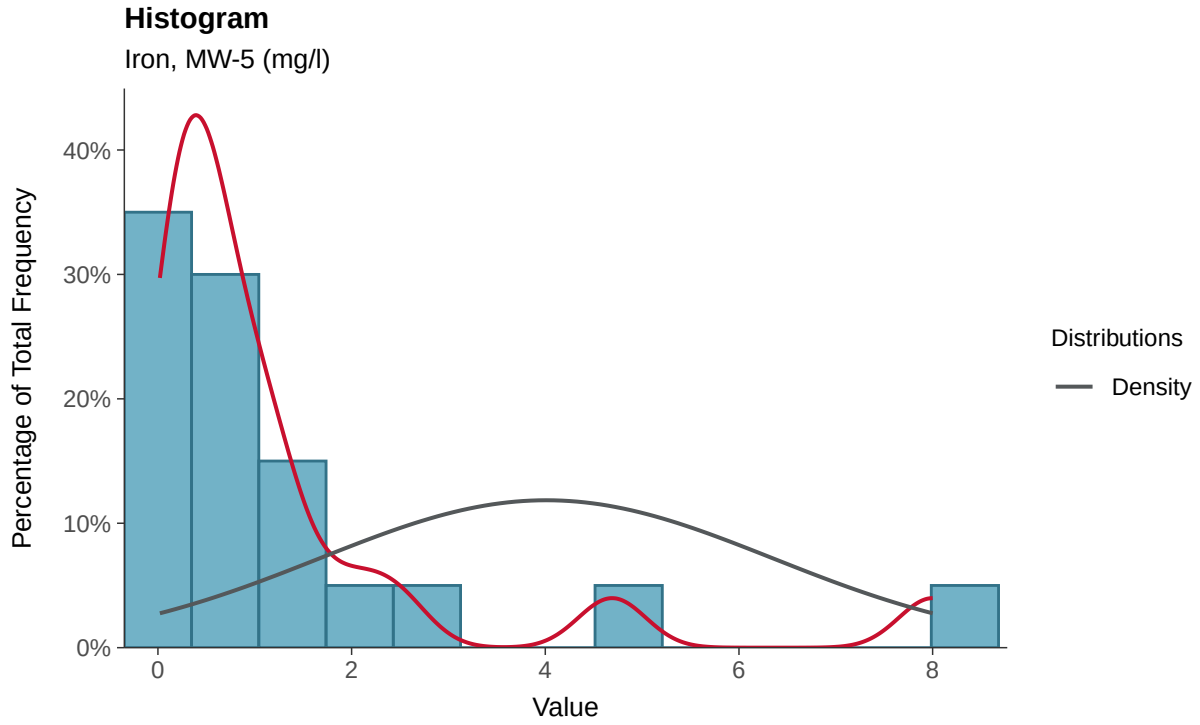



Trend Regression: Piecewise Linear-Linear-Linear
Copper, MW-5 (mg/l)
Value
0.02
0.01
01/01/22
01/01/24
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Iron, MW-5

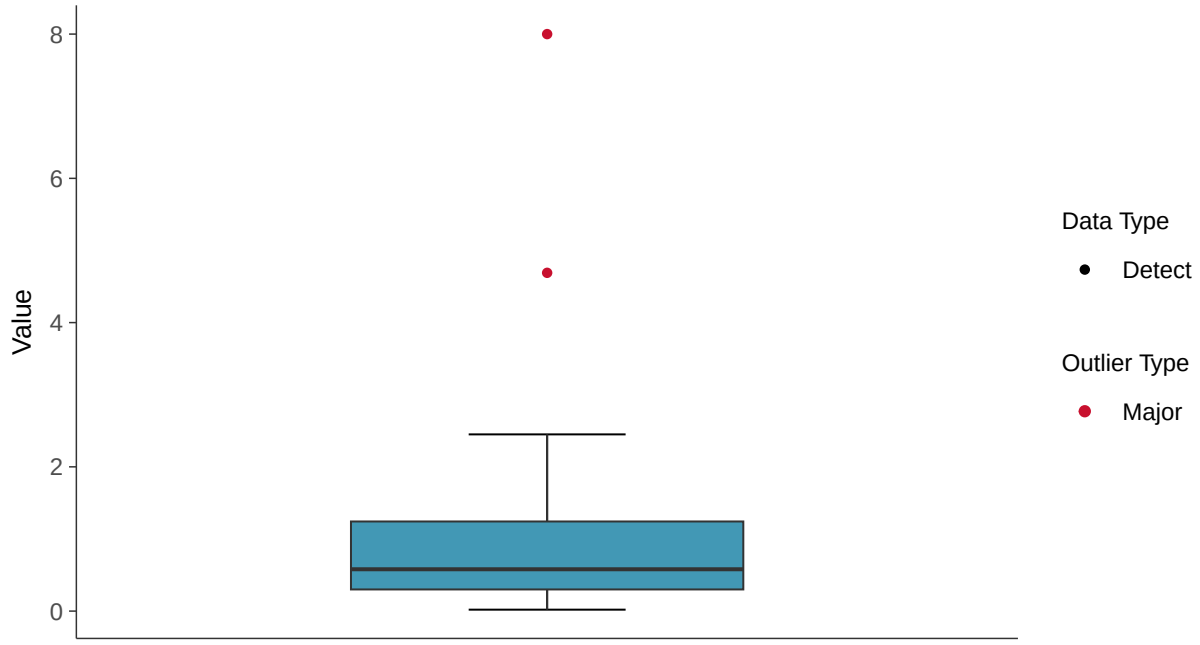
ID: 13_5_114





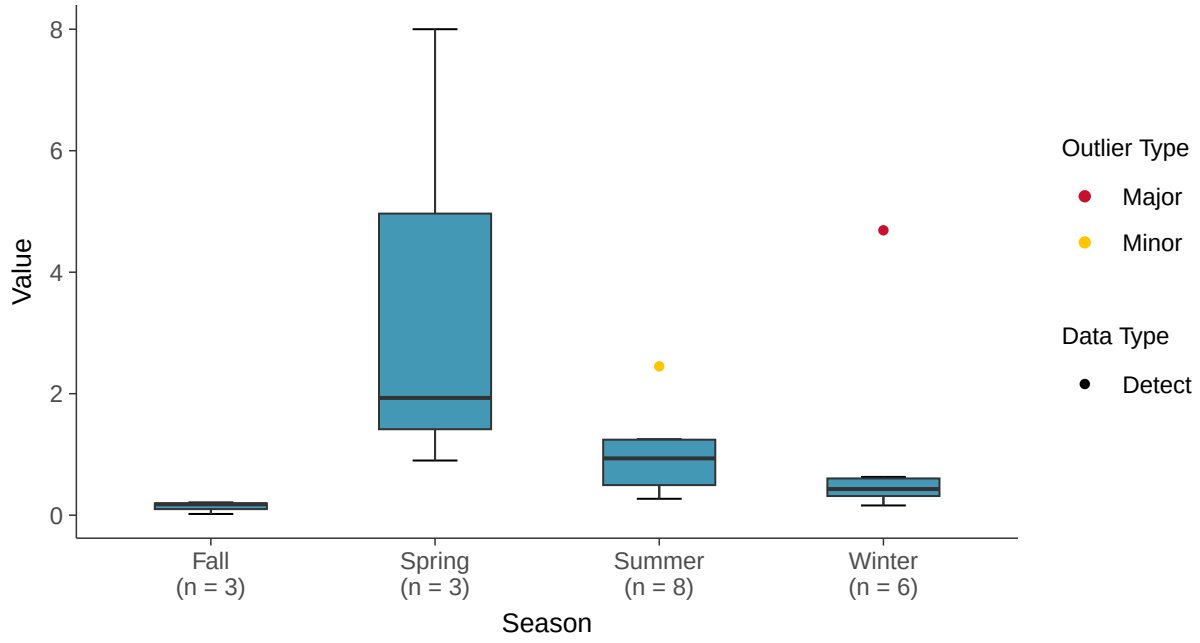
Boxplot

Iron, MW-5 (mg/l)



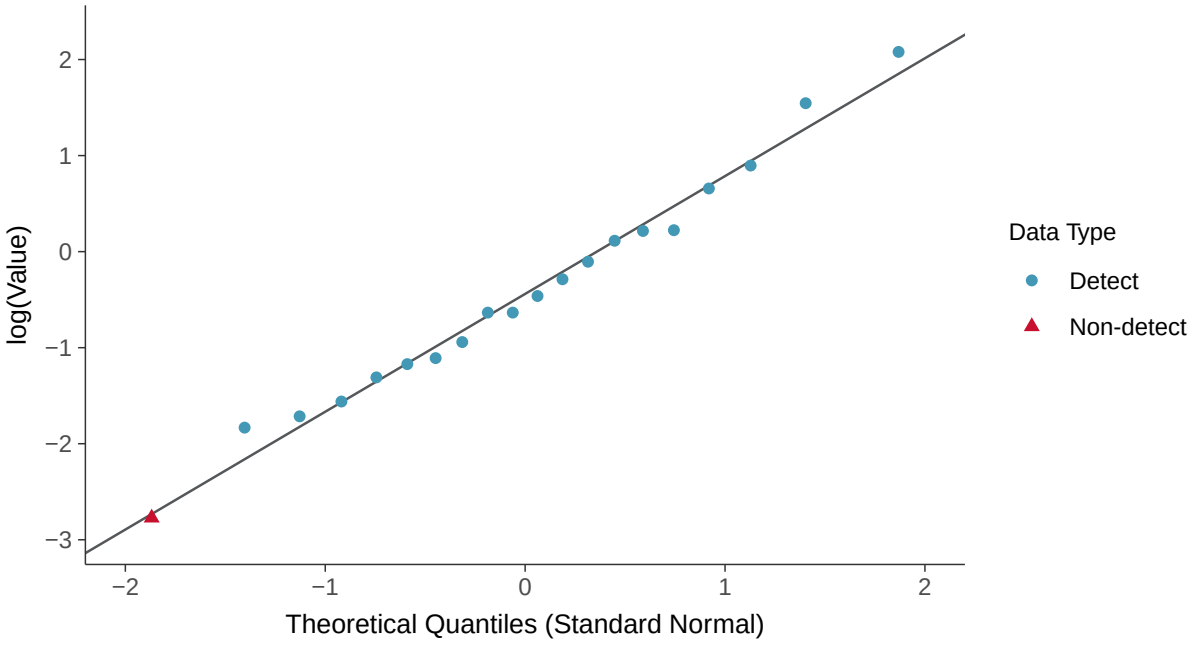
Boxplot by Season

Iron, MW-5 (mg/l)



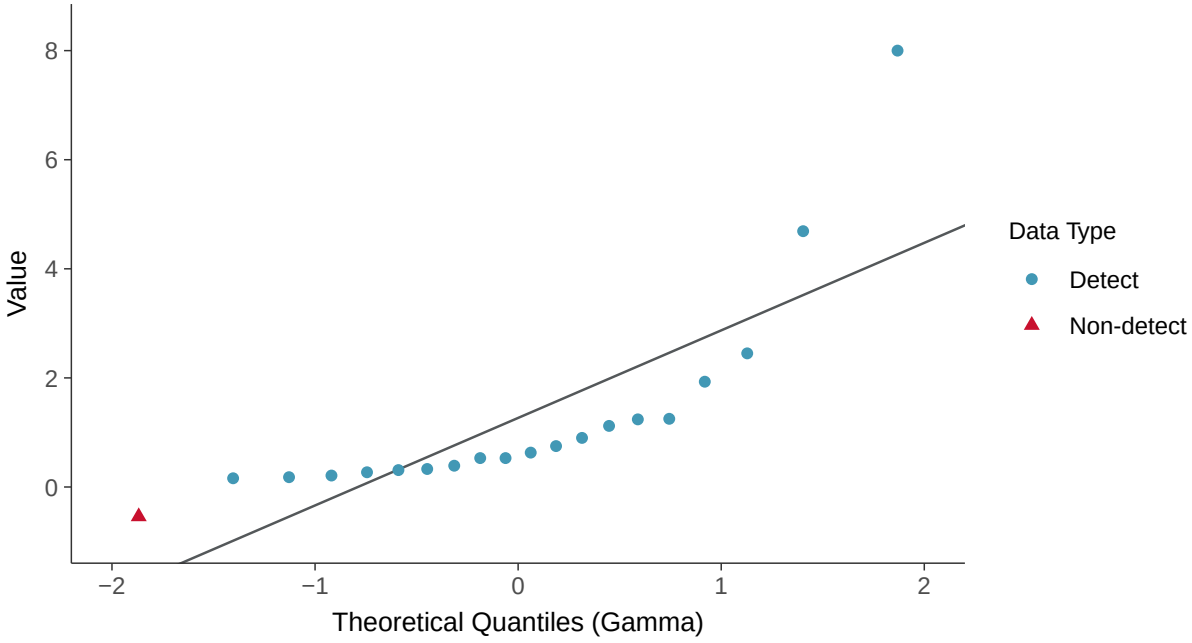
Lognormal Q-Q plot using ROS Imputed Estimates

Iron, MW-5 (mg/l)



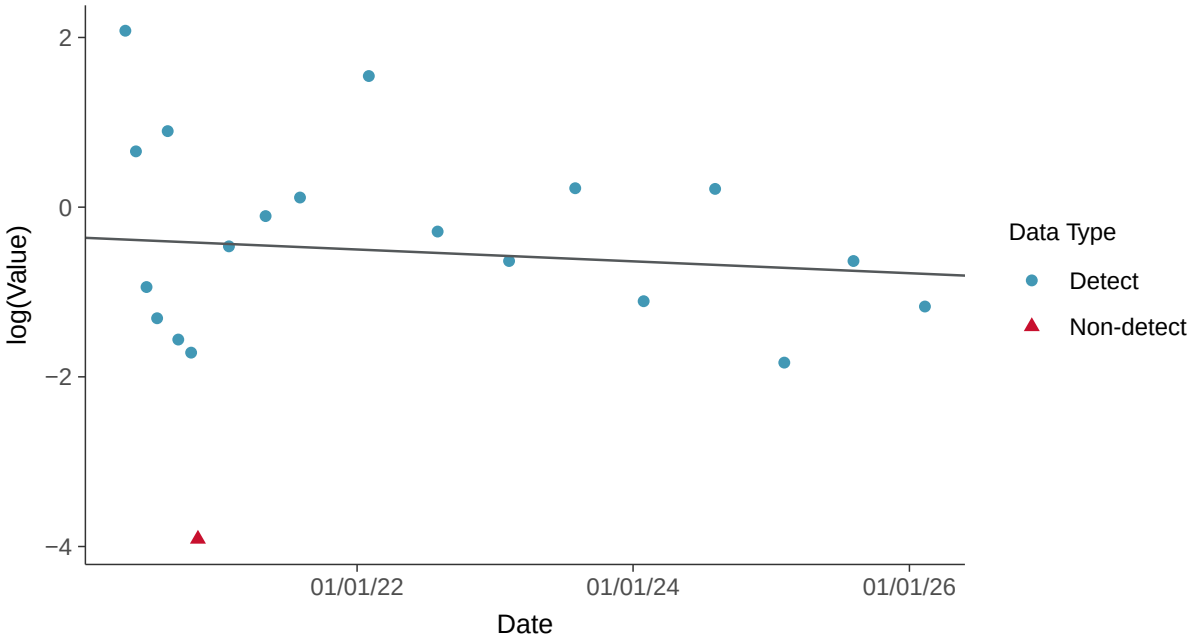
Gamma Q-Q plot using ROS Imputed Estimates

Iron, MW-5 (mg/l)



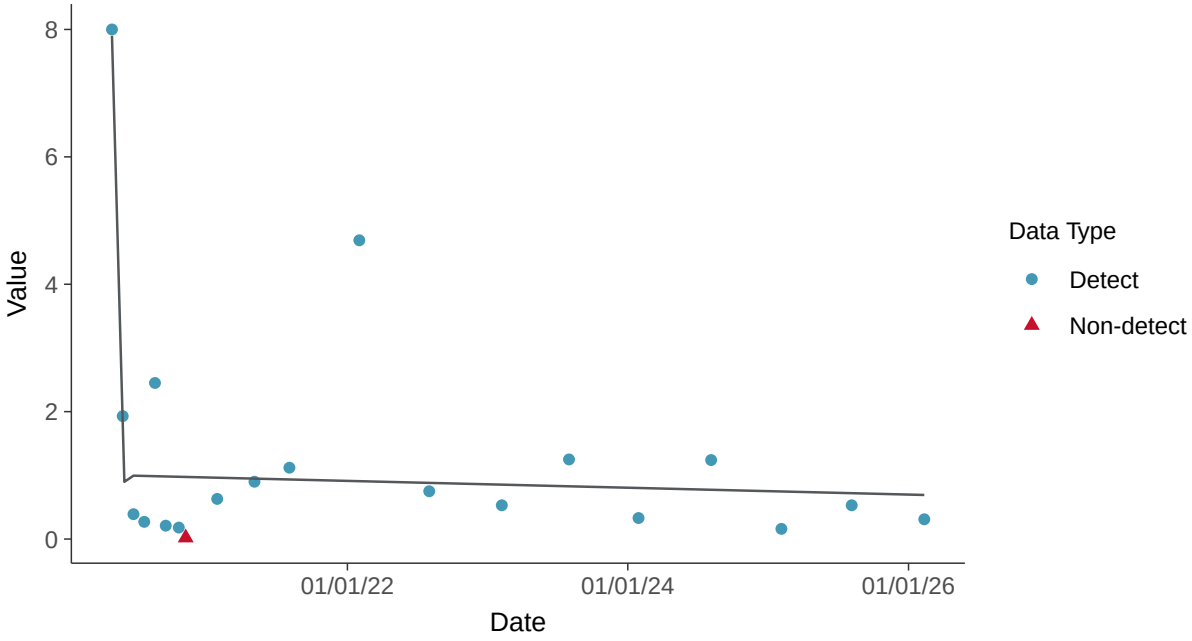
Trend Regression: Lognormal MLE

Iron, MW-5 (mg/l)



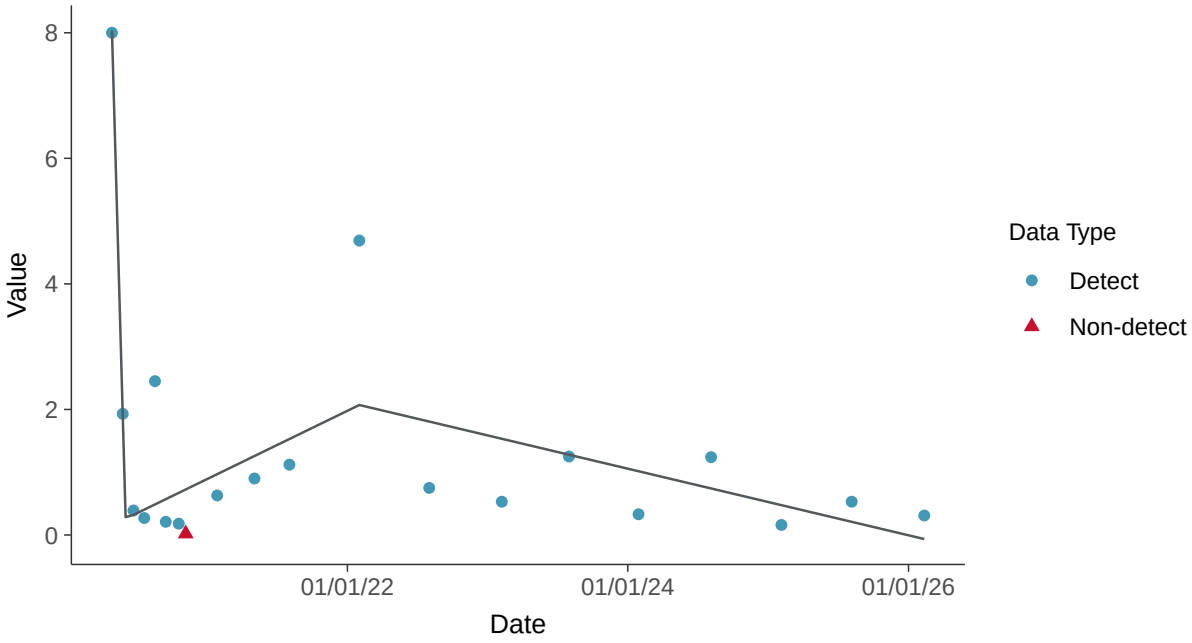
Trend Regression: Piecewise Linear-Linear

Iron, MW-5 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Iron, MW-5 (mg/l)

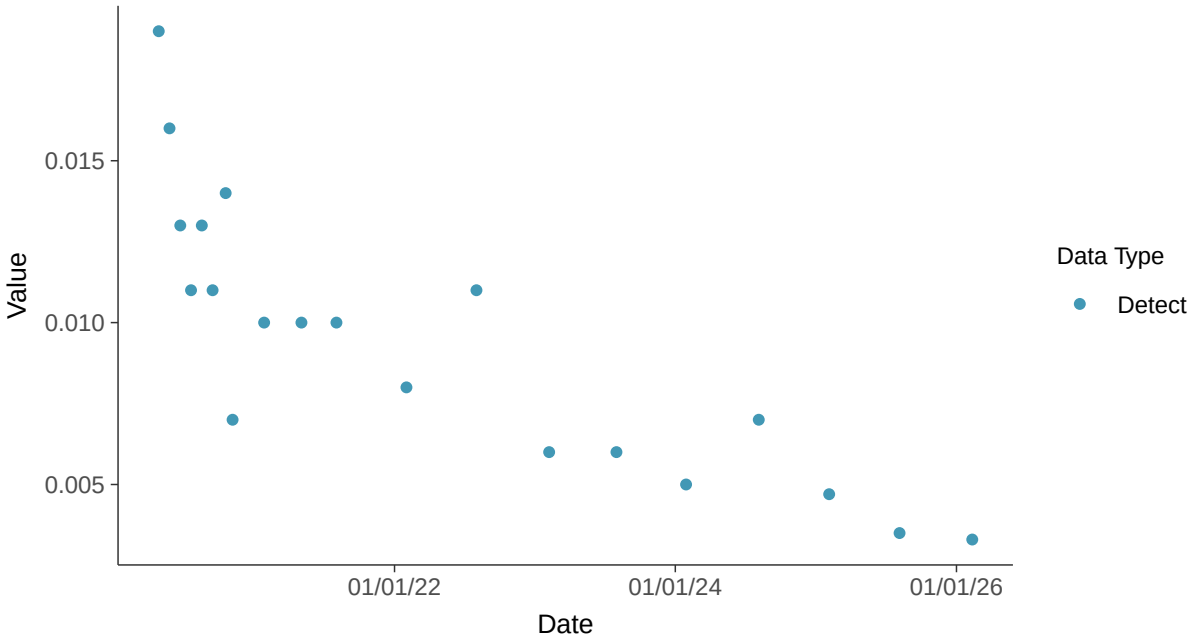


Part 115: Nickel, MW-5

ID: 13_5_119

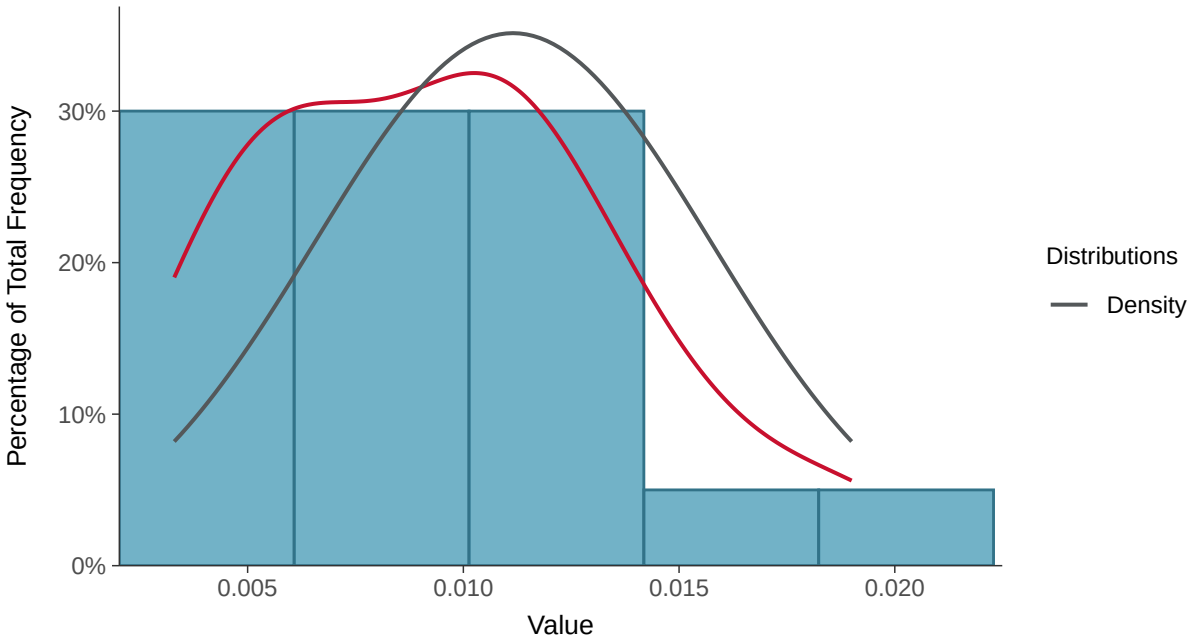
Scatter Plot

Nickel, MW-5 (mg/l)



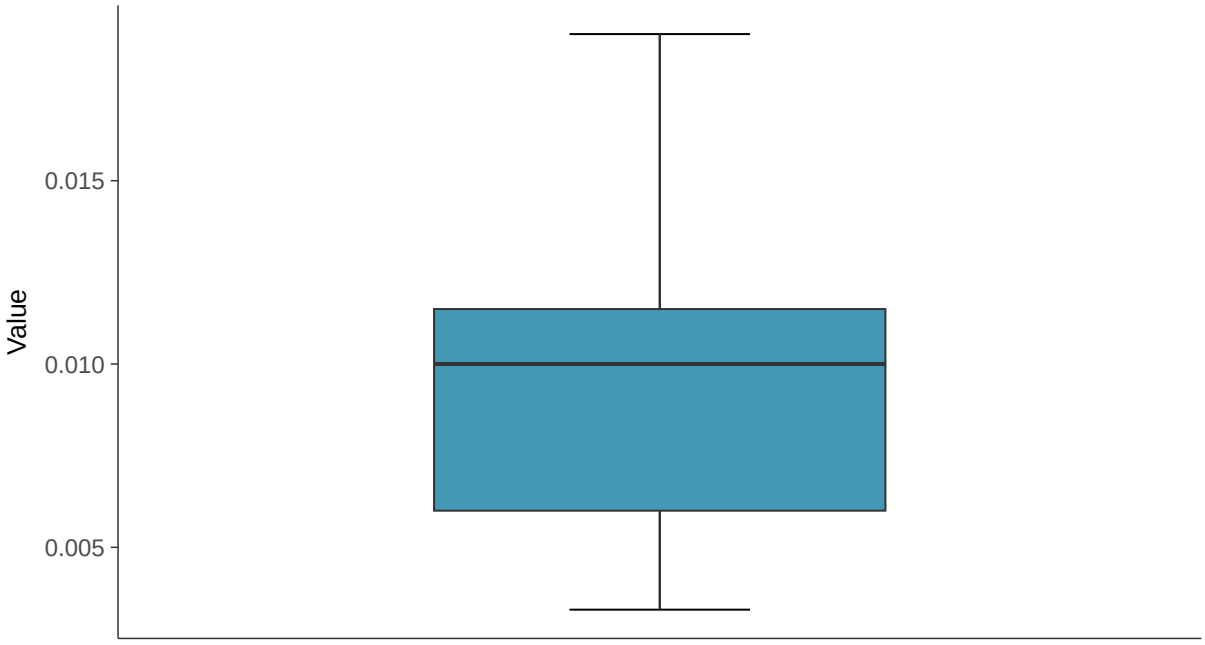
Histogram

Nickel, MW-5 (mg/l)



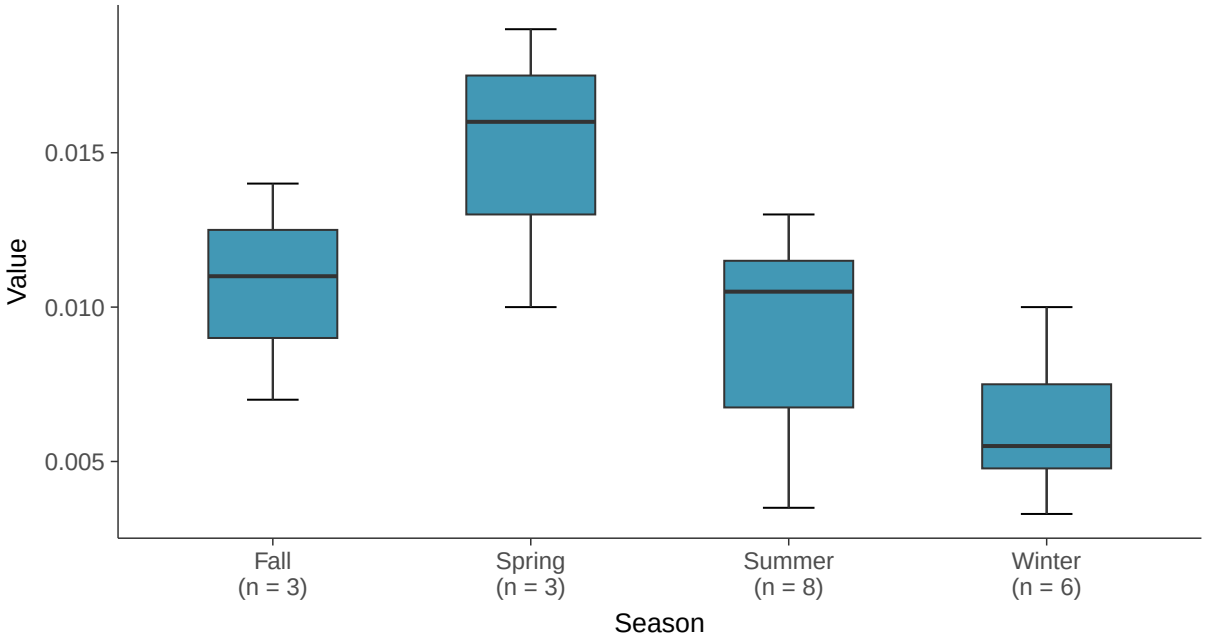
Boxplot

Nickel, MW-5 (mg/l)



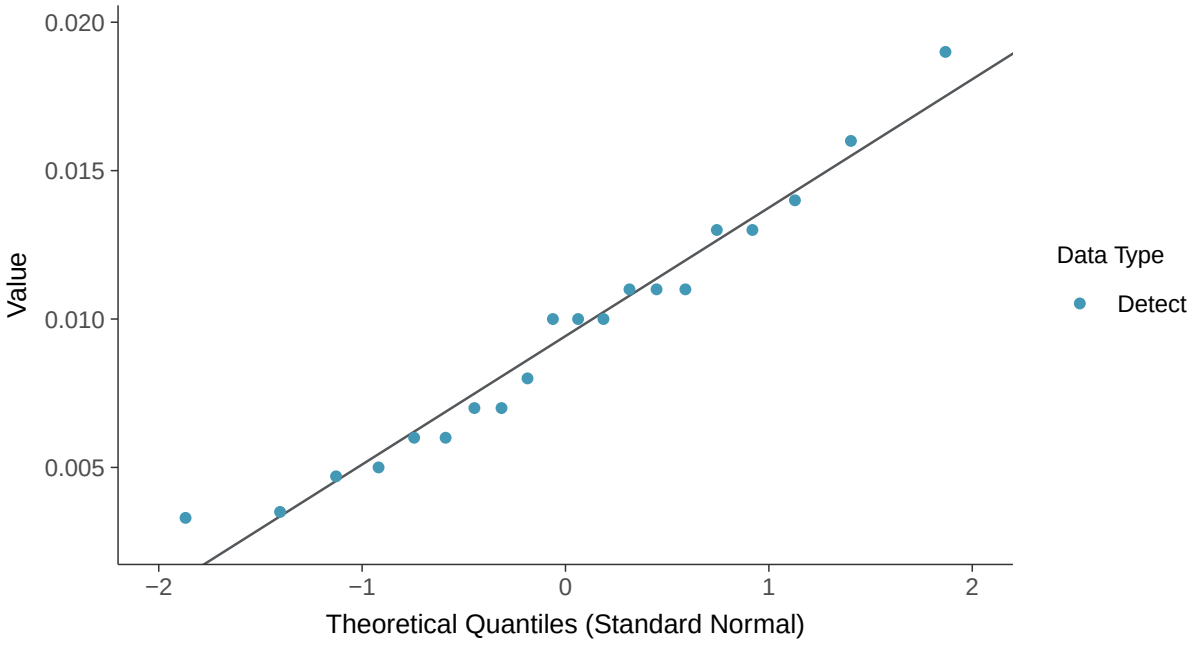
Boxplot by Season

Nickel, MW-5 (mg/l)



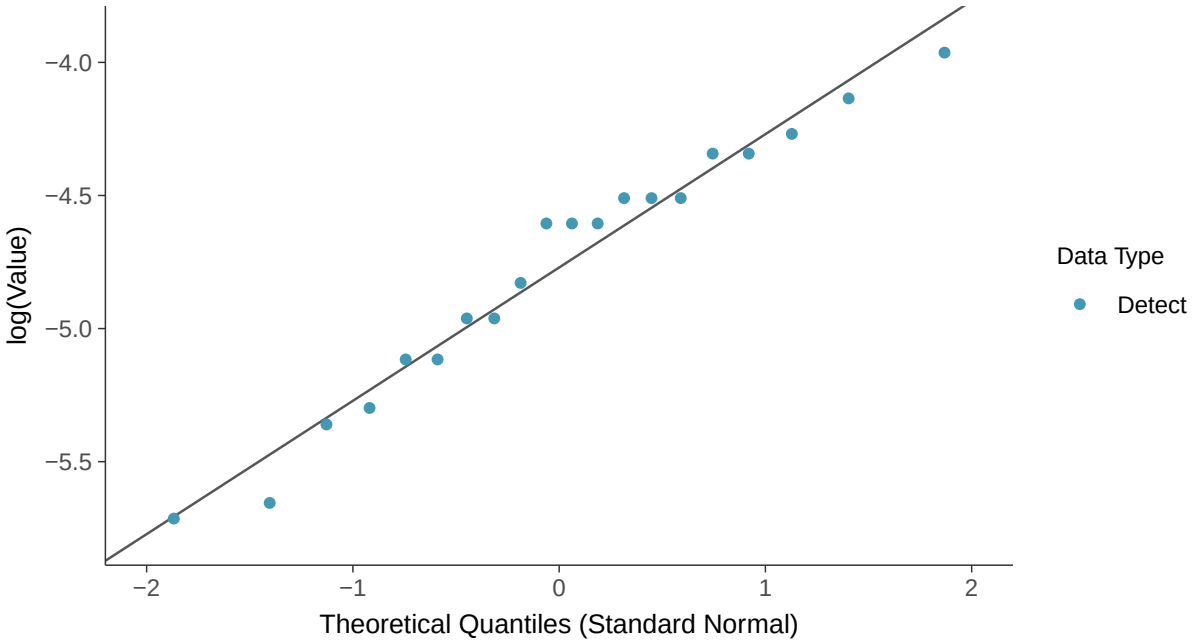
Normal Q-Q plot

Nickel, MW-5 (mg/l)



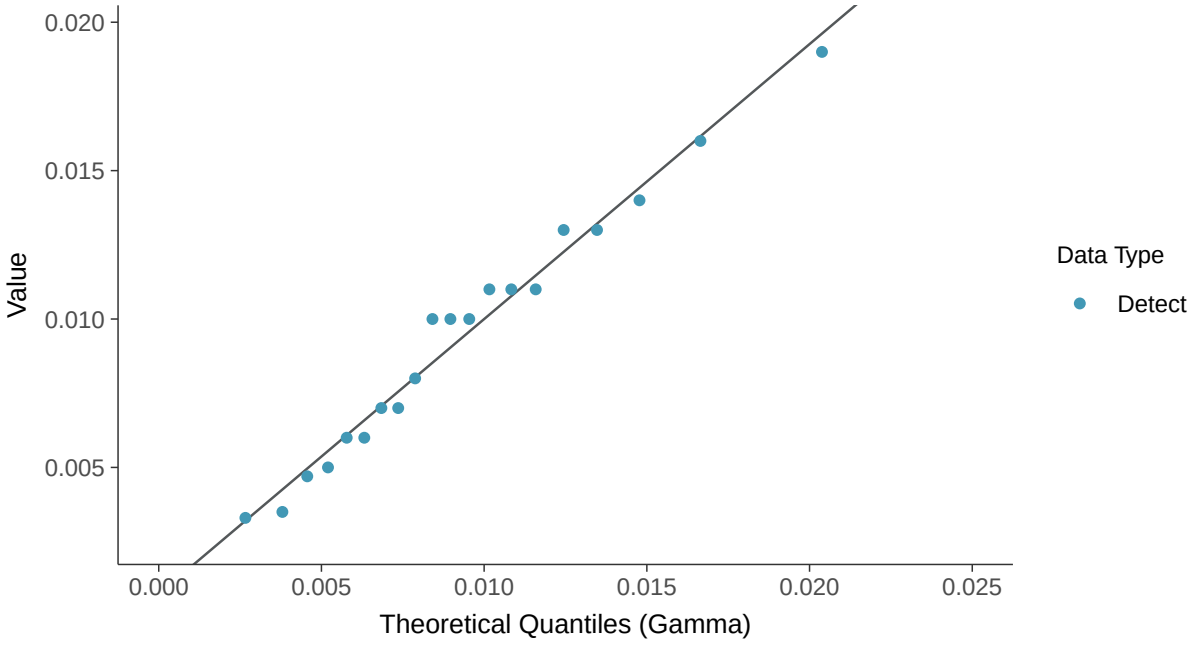
Lognormal Q-Q plot

Nickel, MW-5 (mg/l)



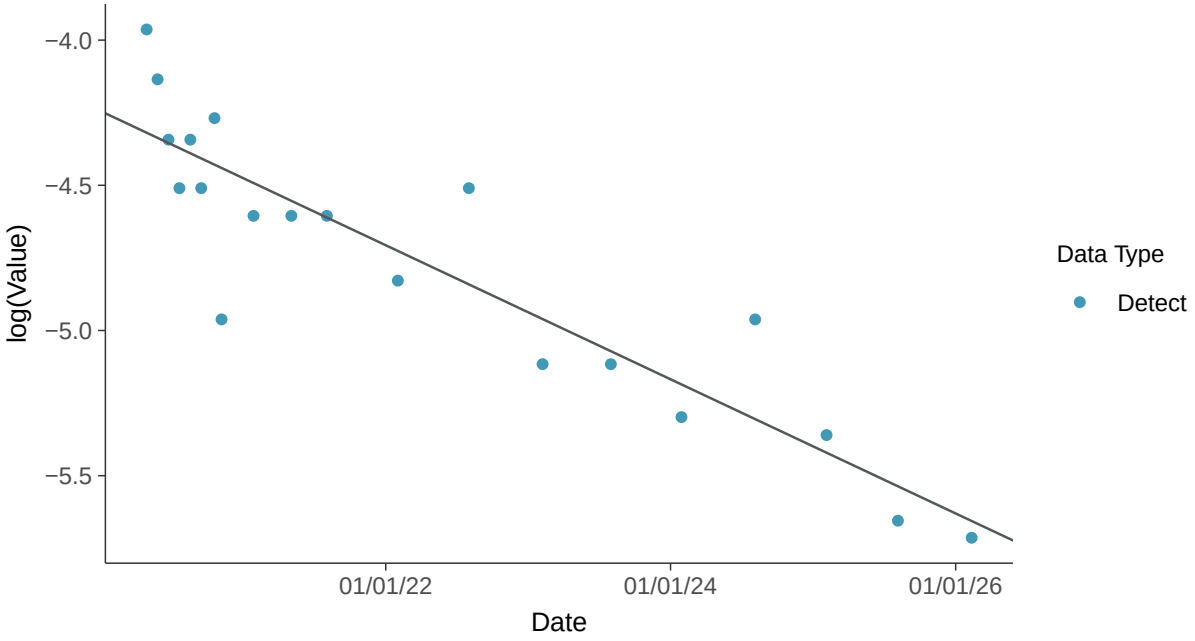
Gamma Q-Q plot

Nickel, MW-5 (mg/l)



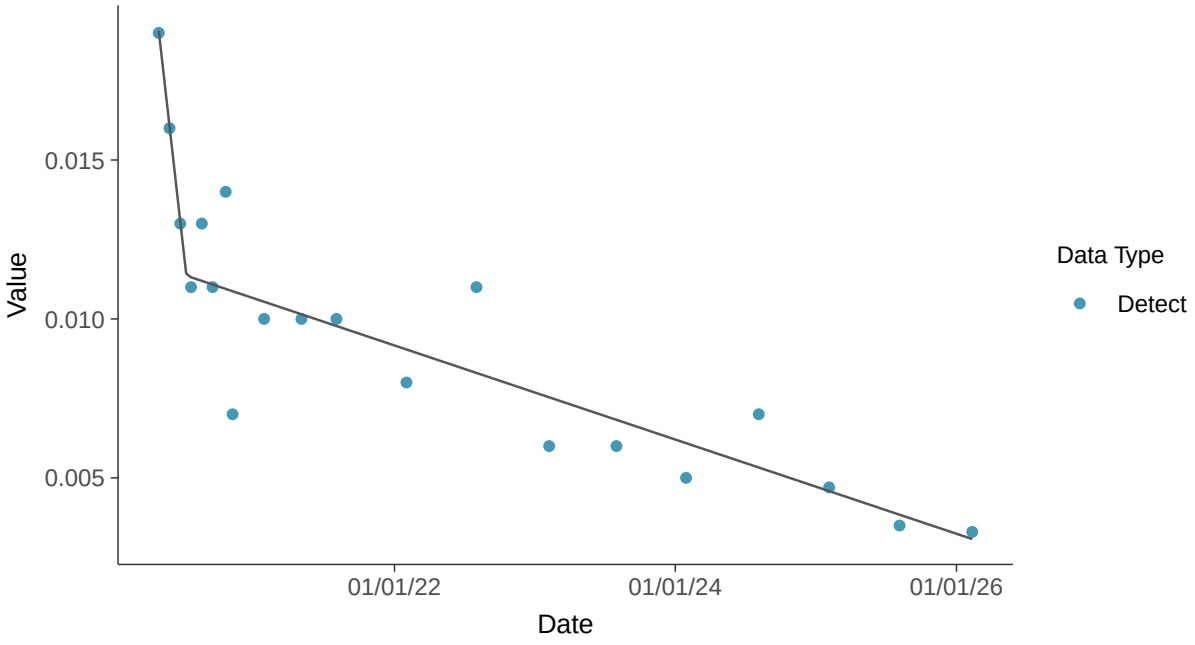
Trend Regression: Lognormal MLE

Nickel, MW-5 (mg/l)



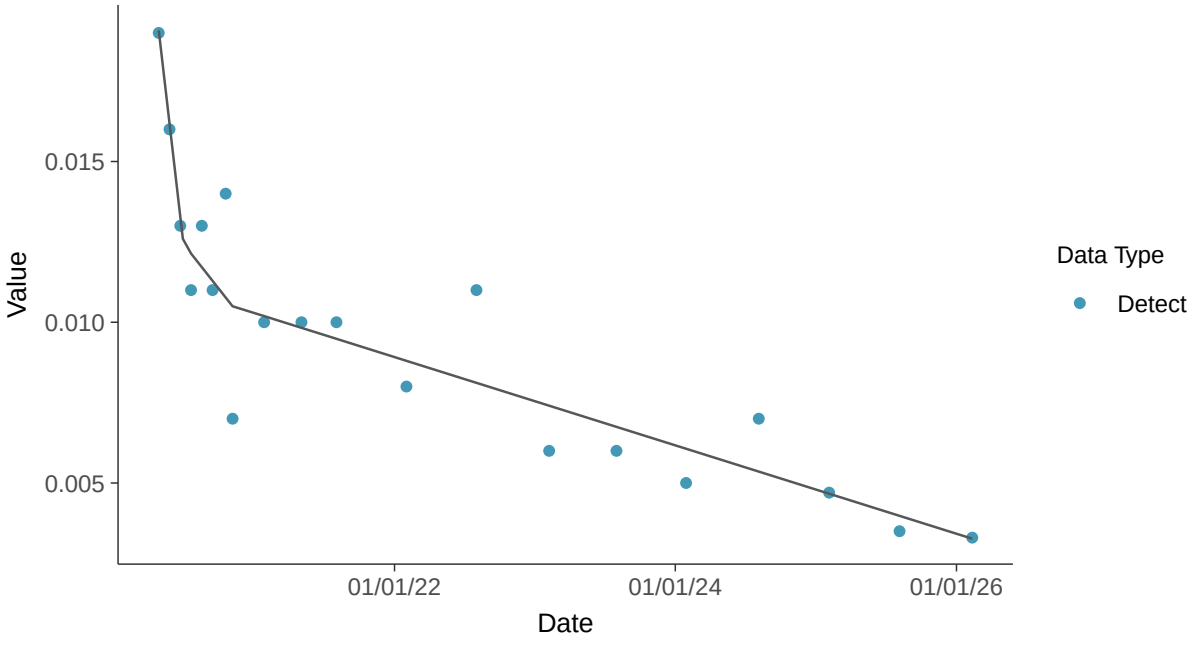
Trend Regression: Piecewise Linear-Linear

Nickel, MW-5 (mg/l)



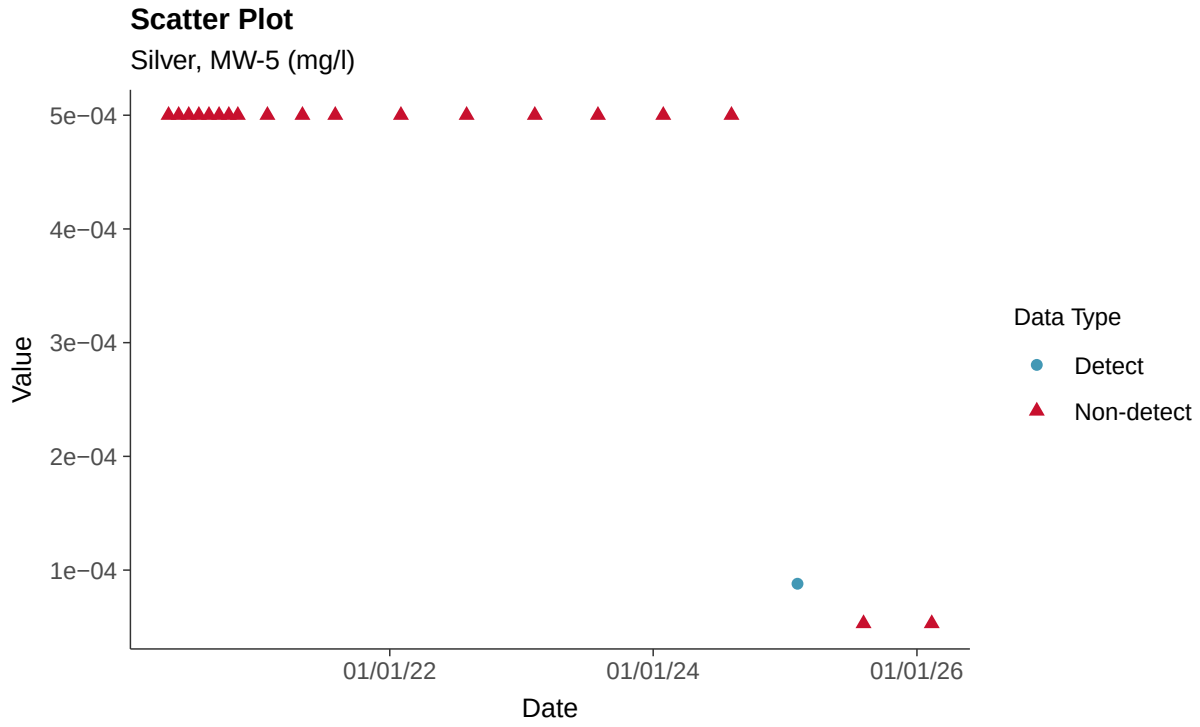
Trend Regression: Piecewise Linear-Linear-Linear

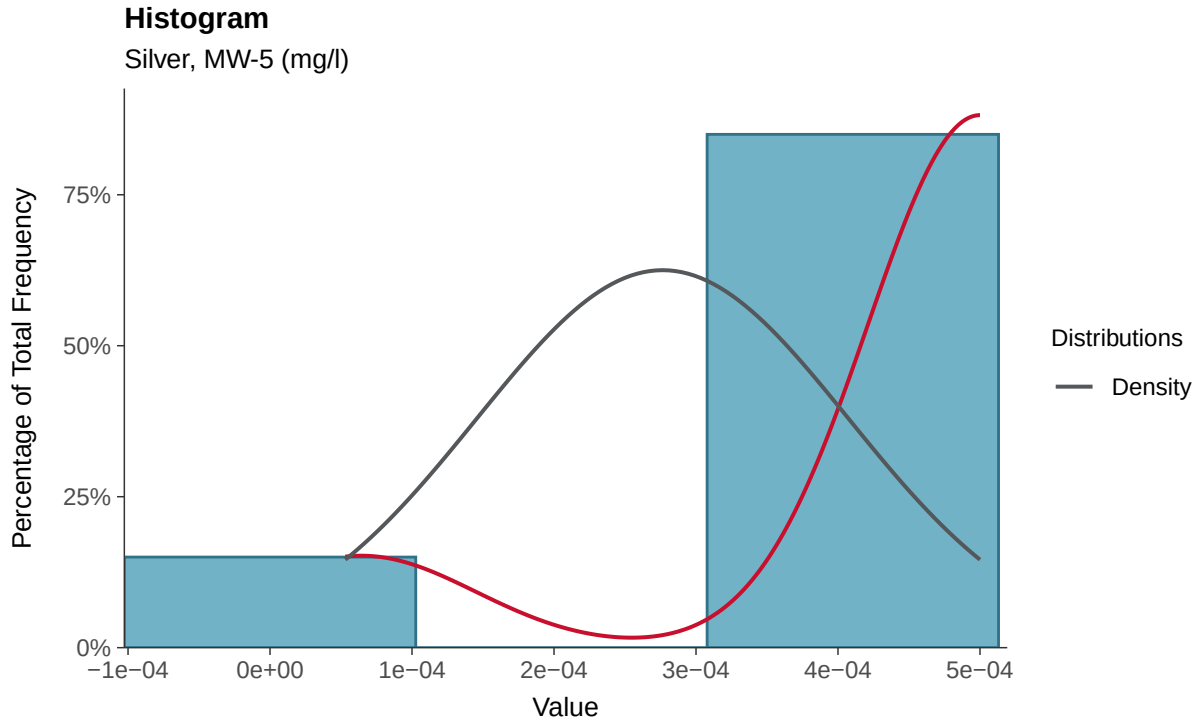
Nickel, MW-5 (mg/l)



Part 115: Silver, MW-5

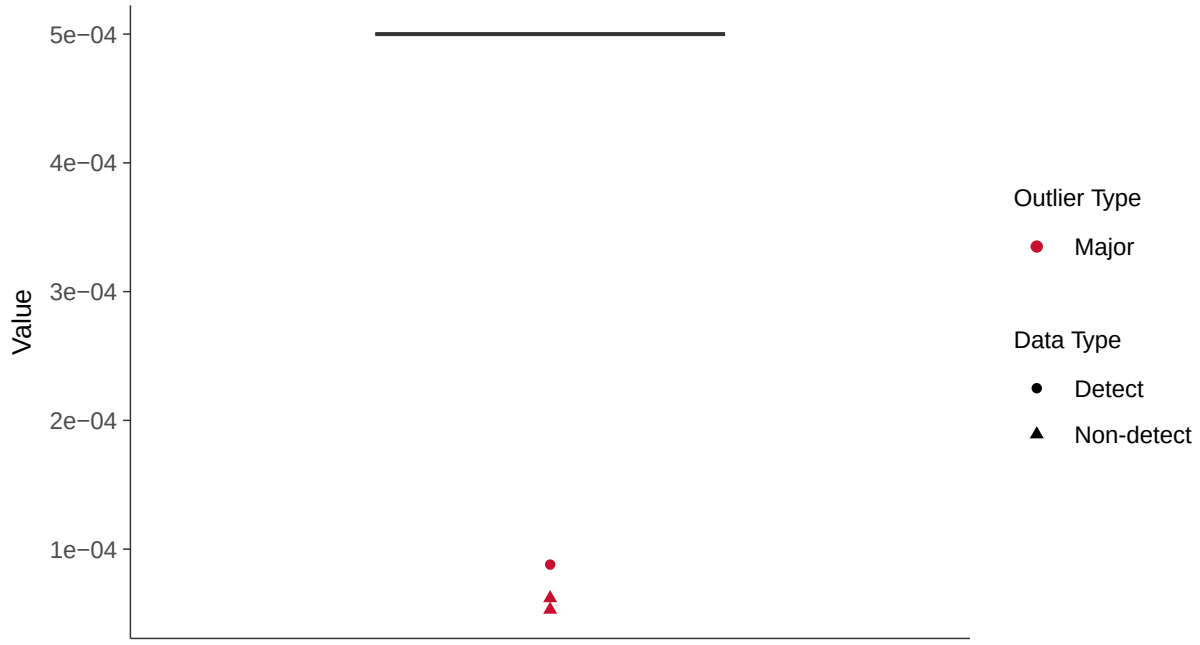
ID: 13_5_123





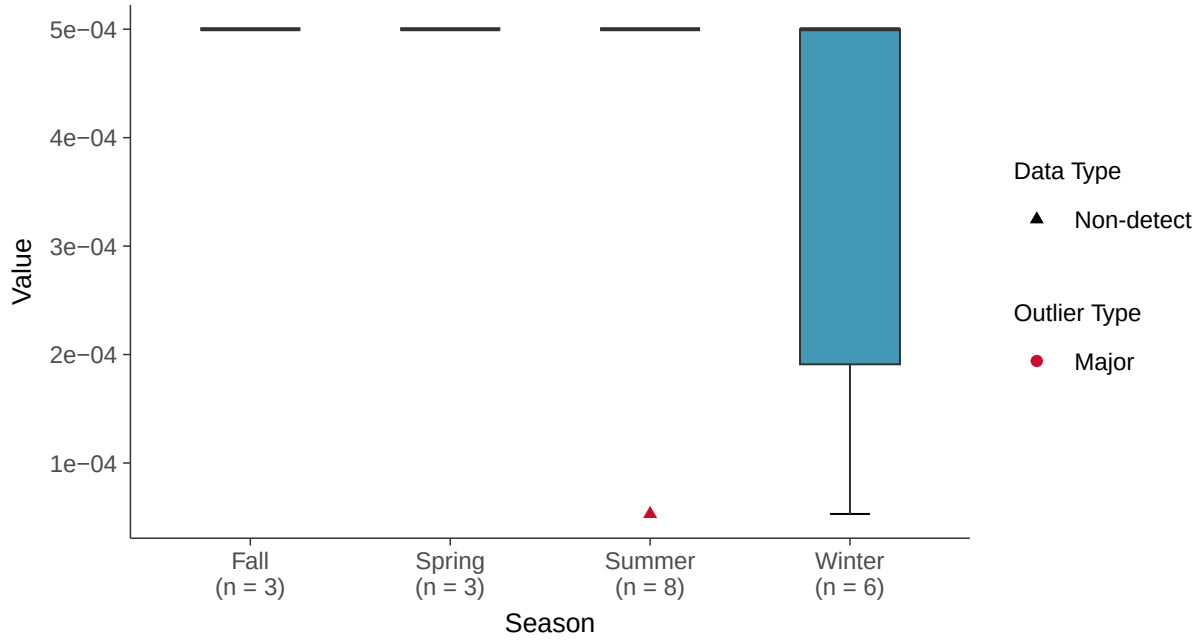
Boxplot

Silver, MW-5 (mg/l)



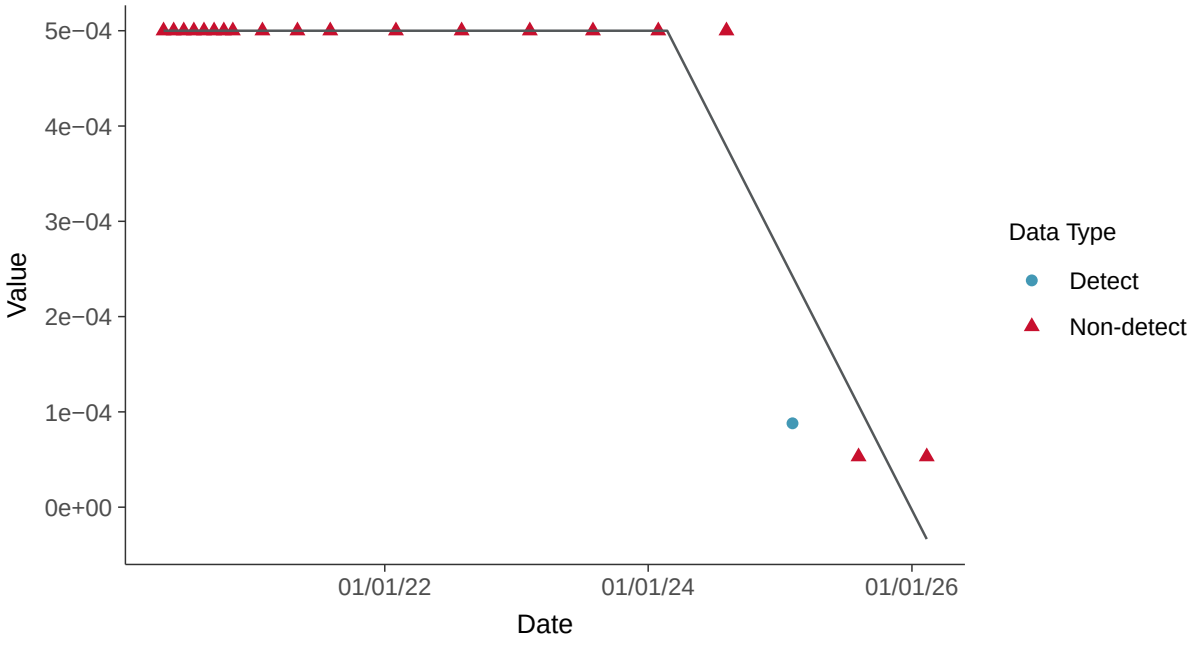
Boxplot by Season

Silver, MW-5 (mg/l)



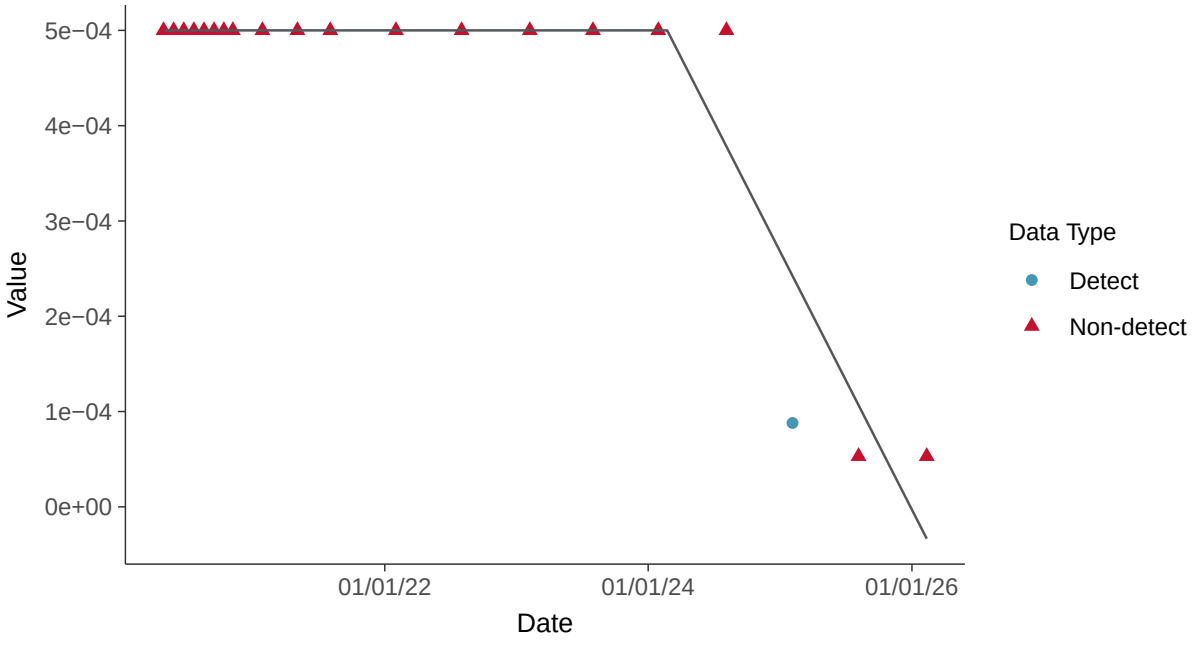
Trend Regression: Piecewise Linear-Linear

Silver, MW-5 (mg/l)



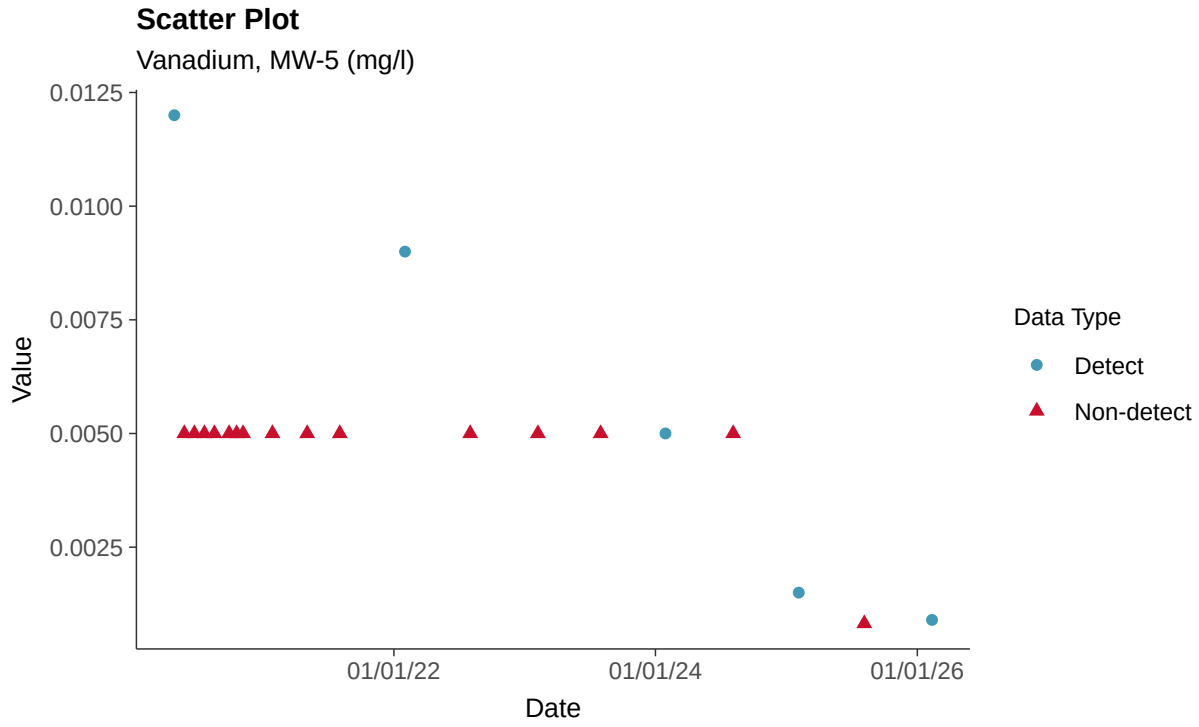
Trend Regression: Piecewise Linear-Linear-Linear

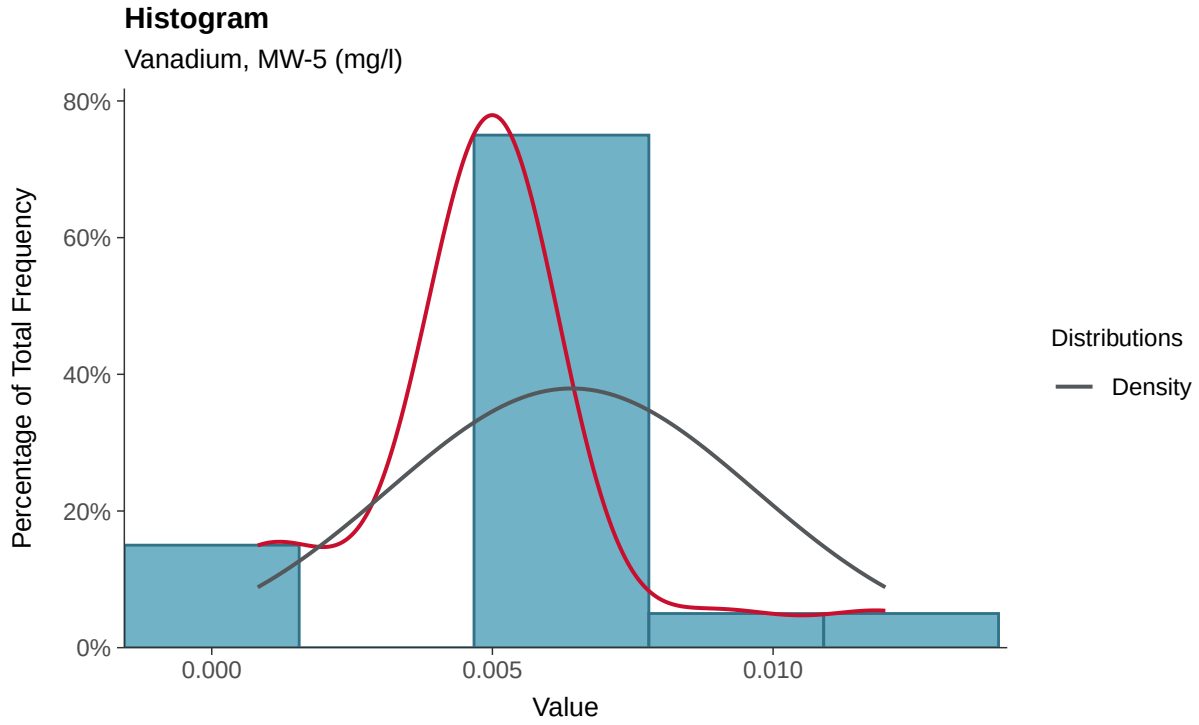
Silver, MW-5 (mg/l)



Part 115: Vanadium, MW-5

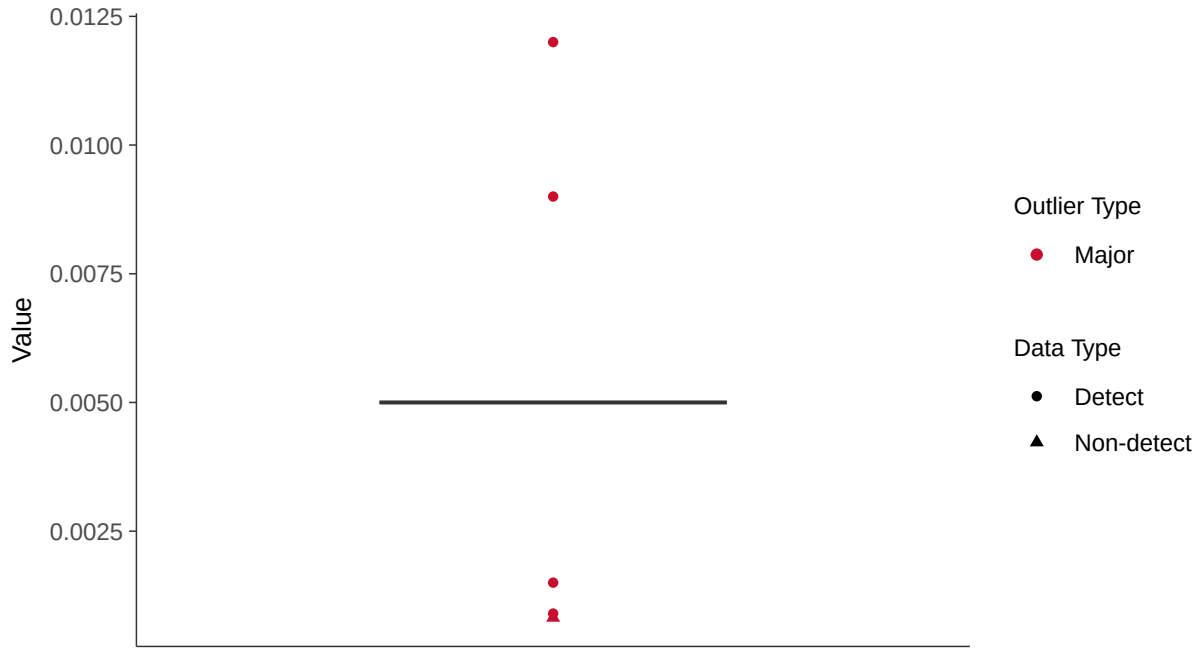
ID: 13_5_128





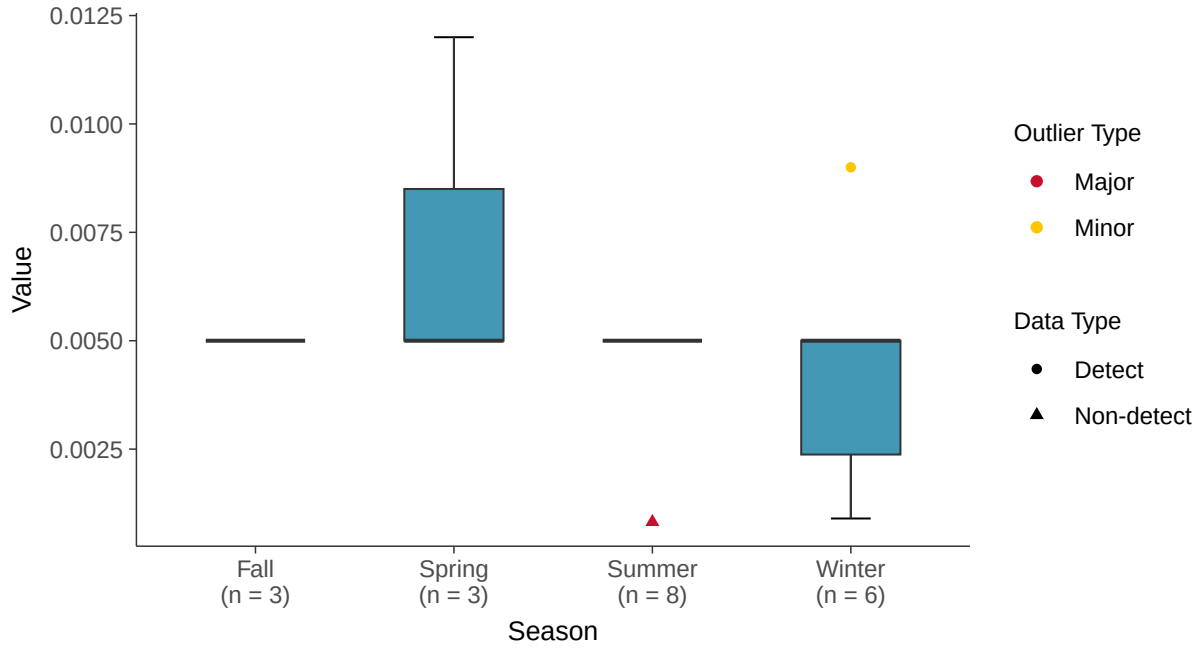
Boxplot

Vanadium, MW-5 (mg/l)



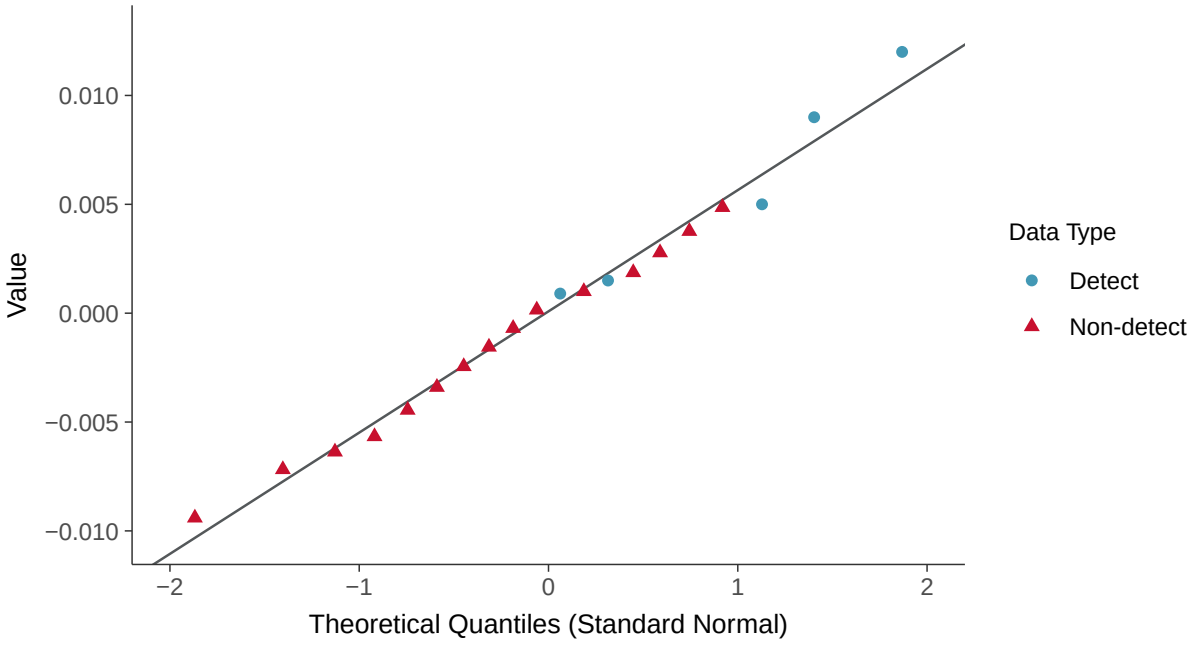
Boxplot by Season

Vanadium, MW-5 (mg/l)



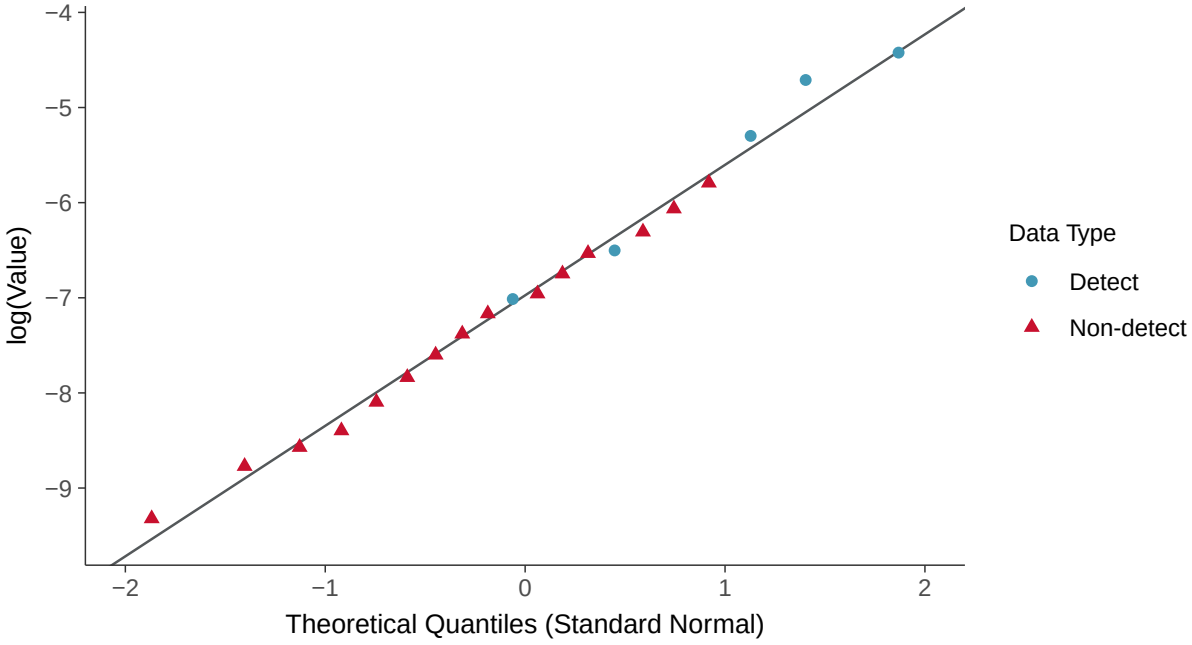
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-5 (mg/l)



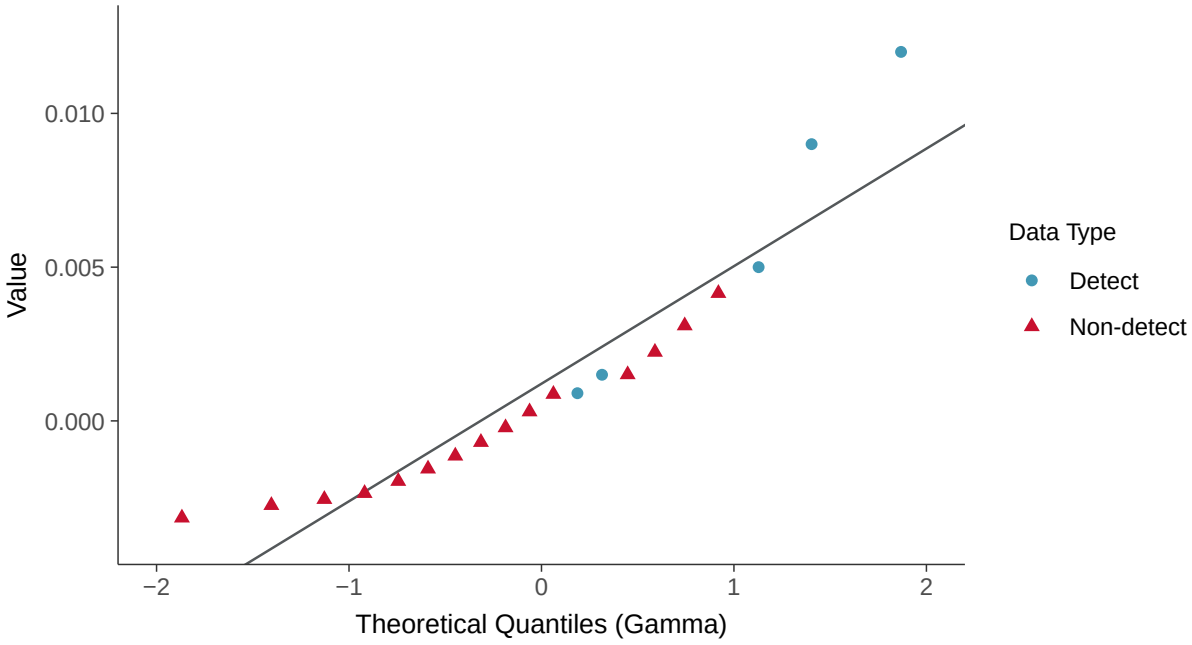
Lognormal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-5 (mg/l)



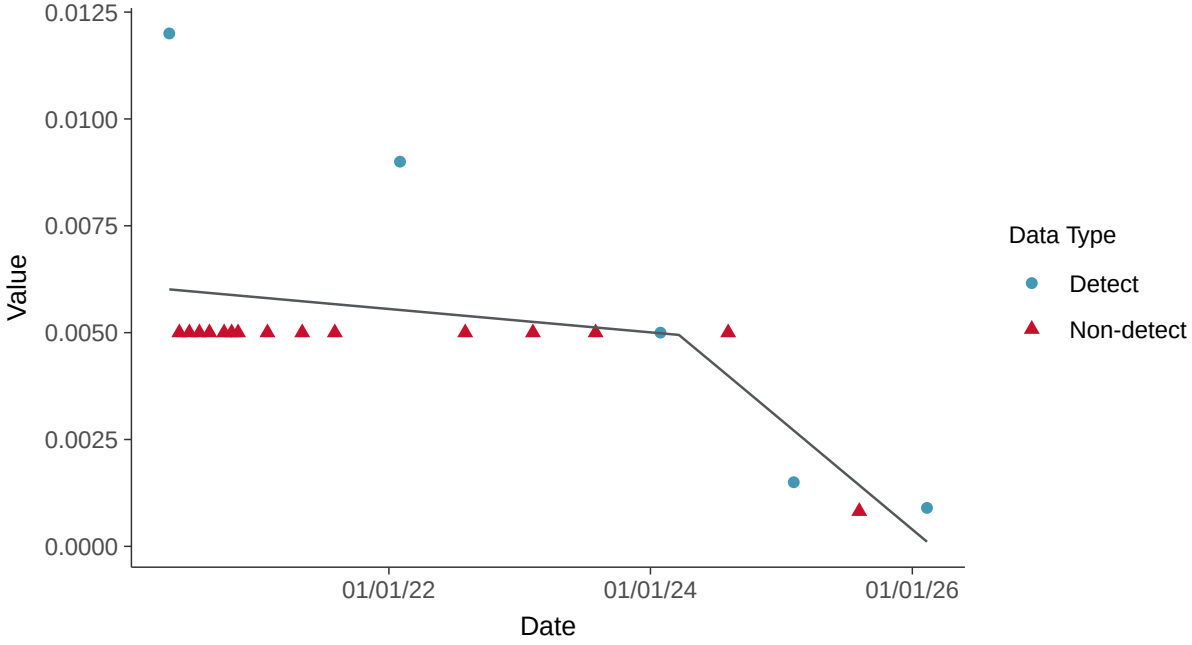
Gamma Q-Q plot using ROS Imputed Estimates

Vanadium, MW-5 (mg/l)



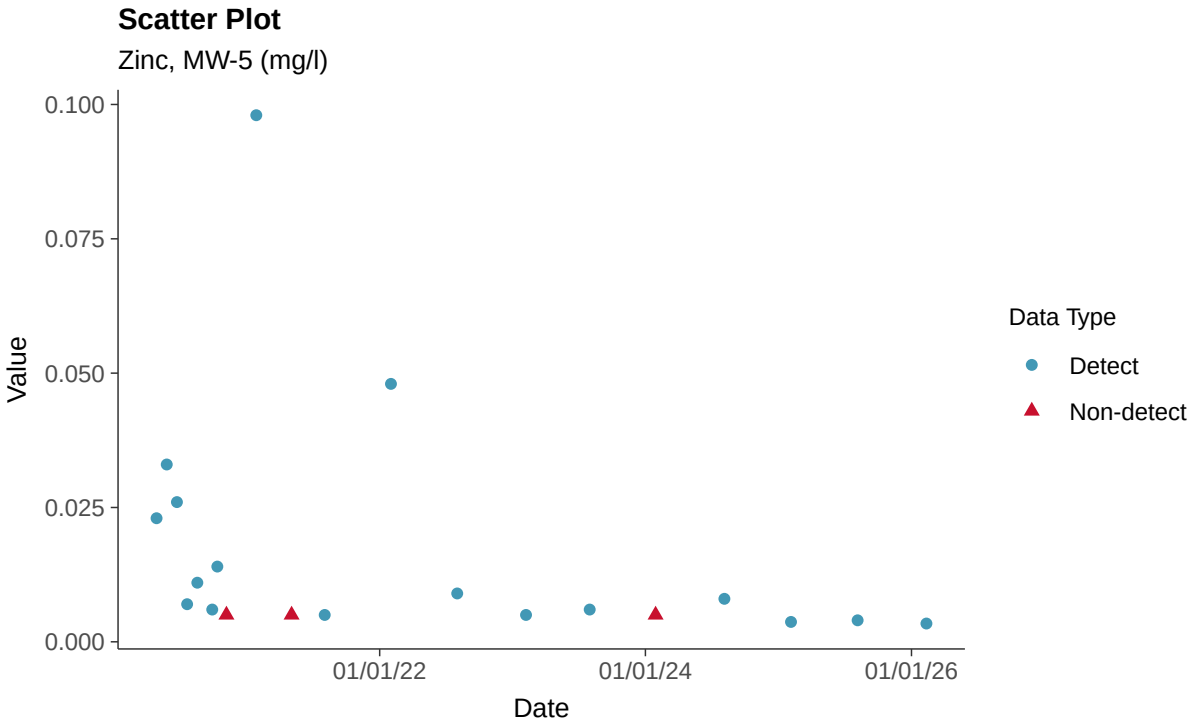
Trend Regression: Piecewise Linear-Linear

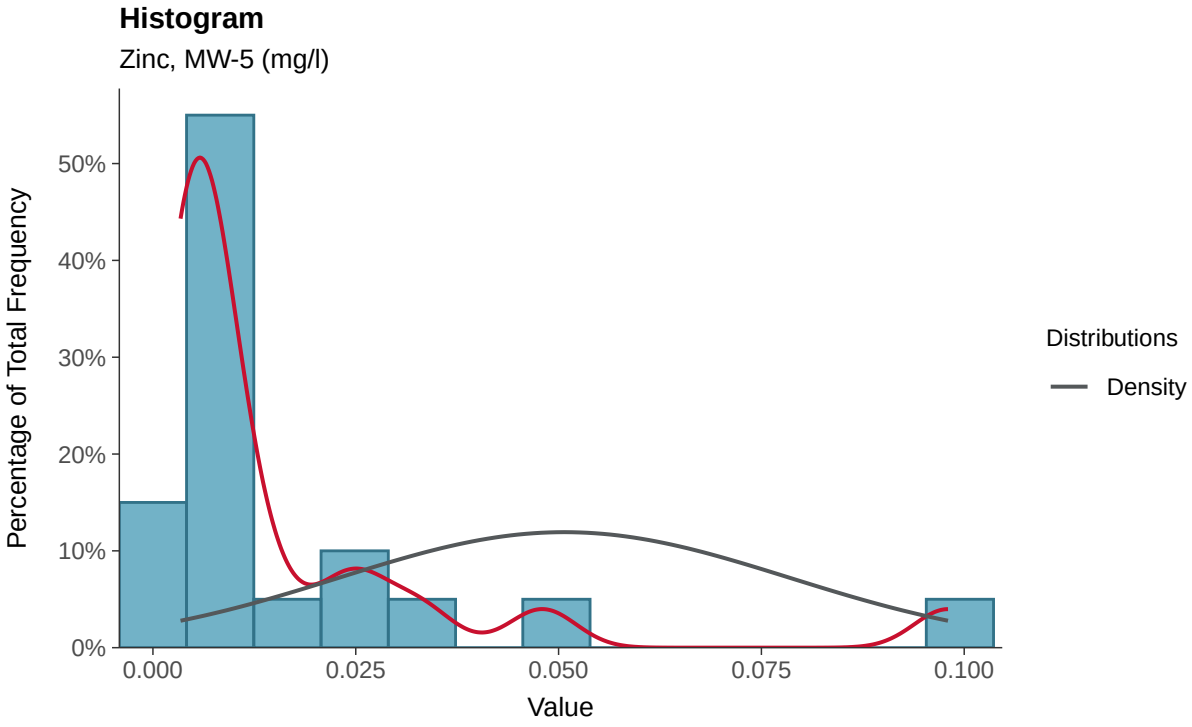
Vanadium, MW-5 (mg/l)



Part 115: Zinc, MW-5

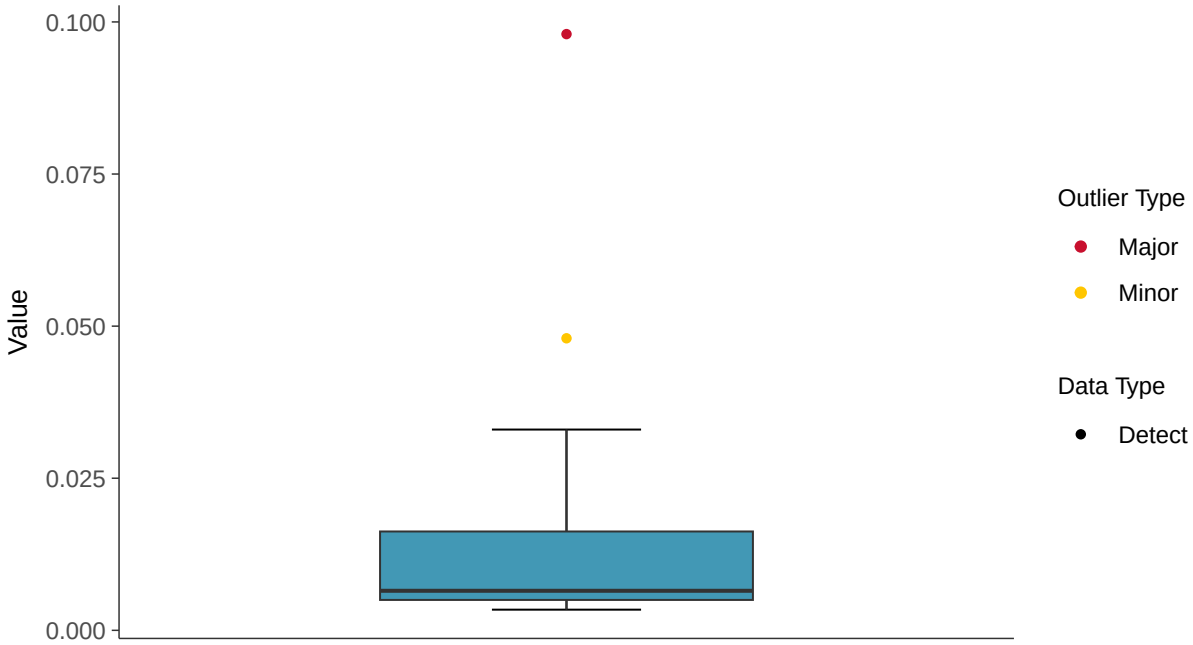
ID: 13_5_129





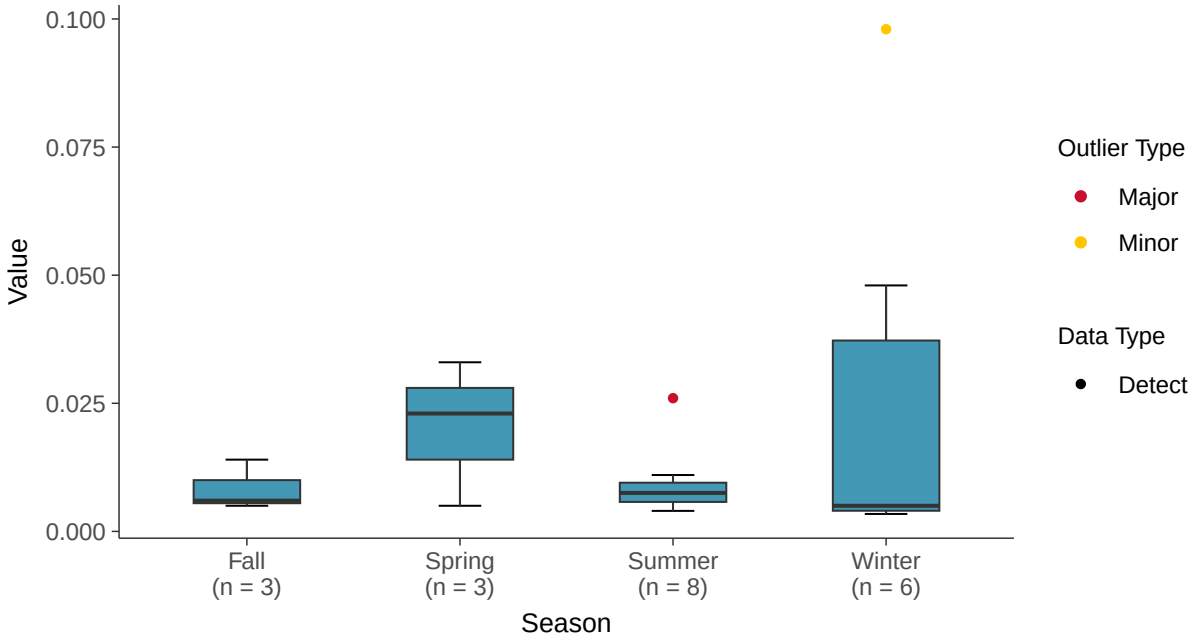
Boxplot

Zinc, MW-5 (mg/l)



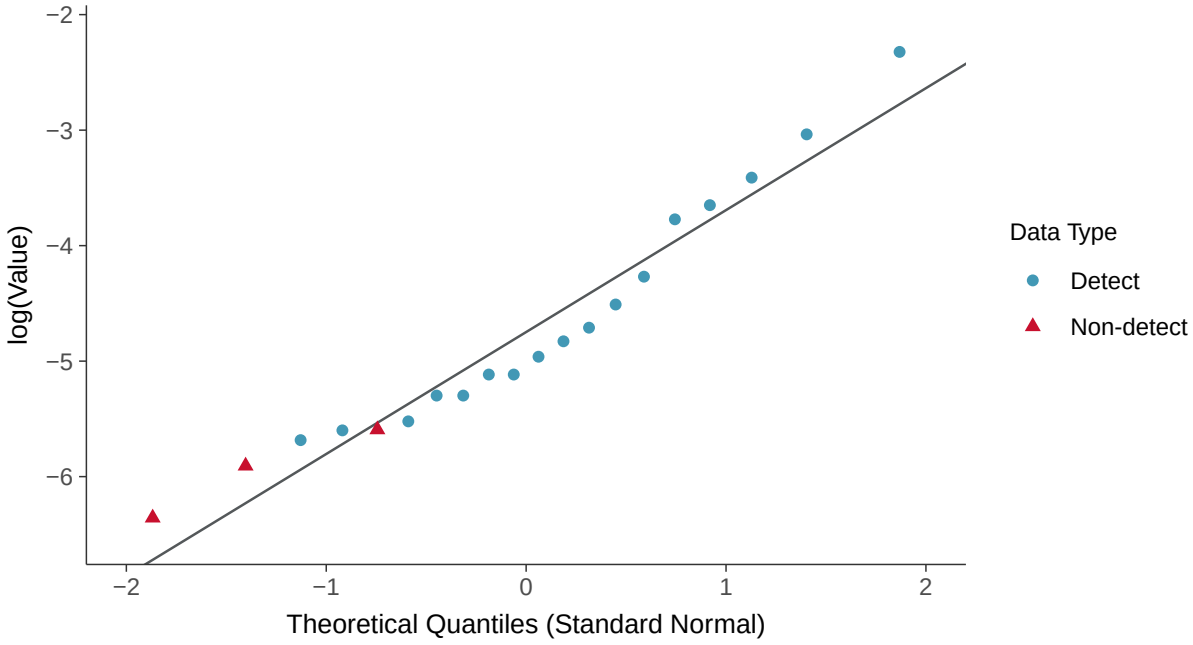
Boxplot by Season

Zinc, MW-5 (mg/l)



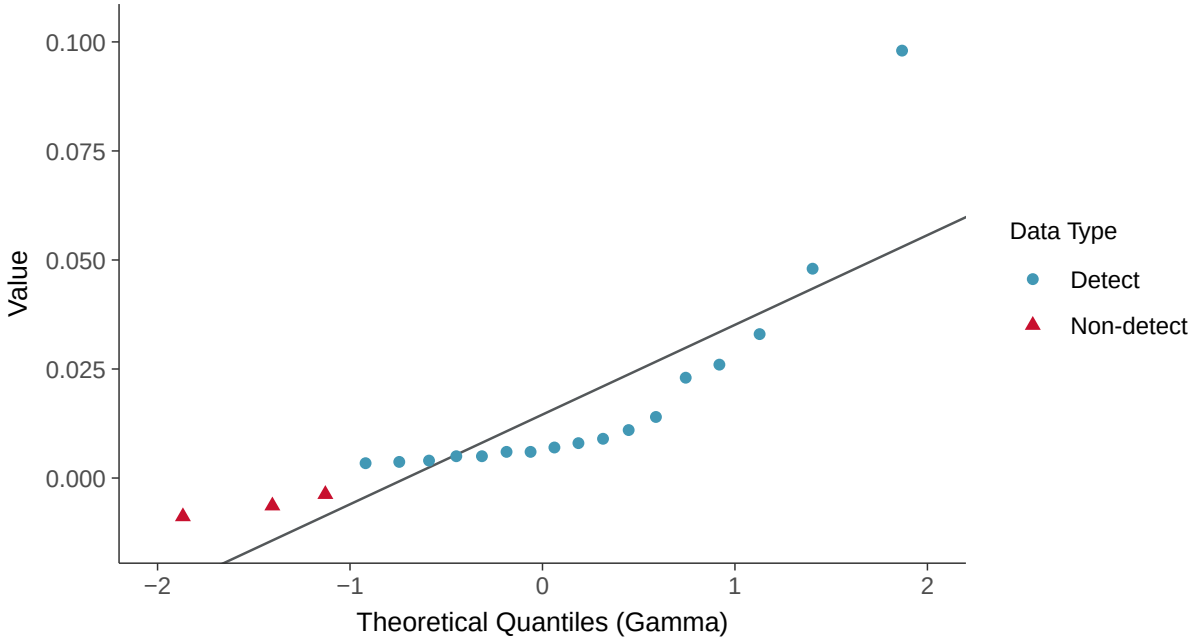
Lognormal Q-Q plot using ROS Imputed Estimates

Zinc, MW-5 (mg/l)



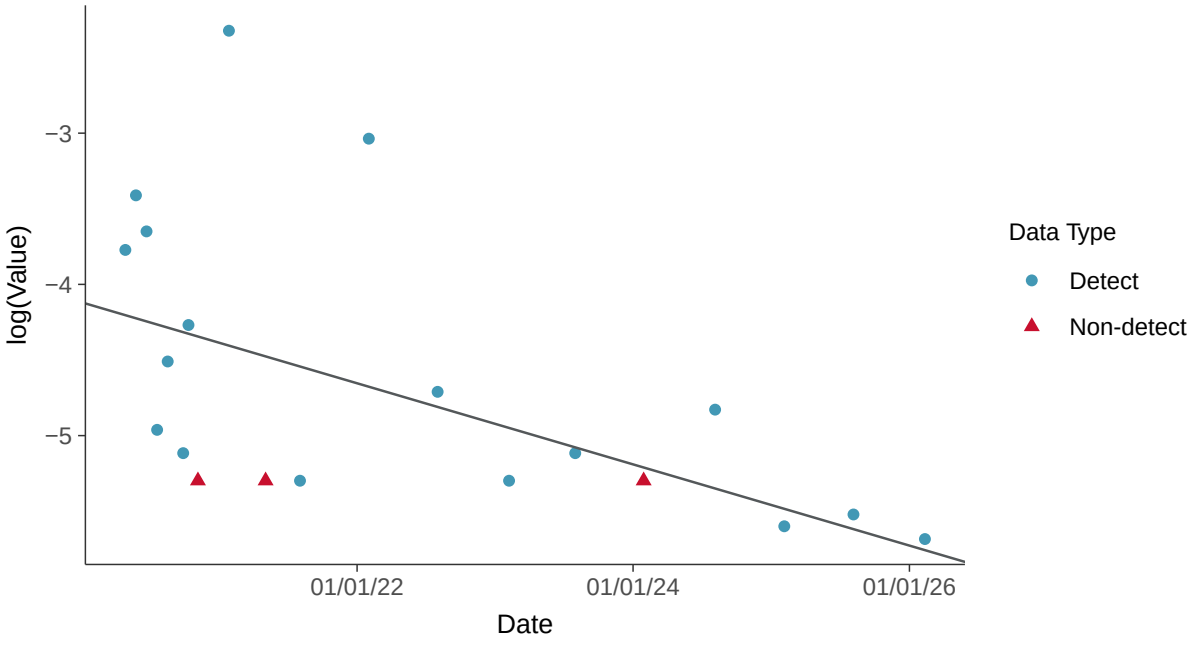
Gamma Q-Q plot using ROS Imputed Estimates

Zinc, MW-5 (mg/l)



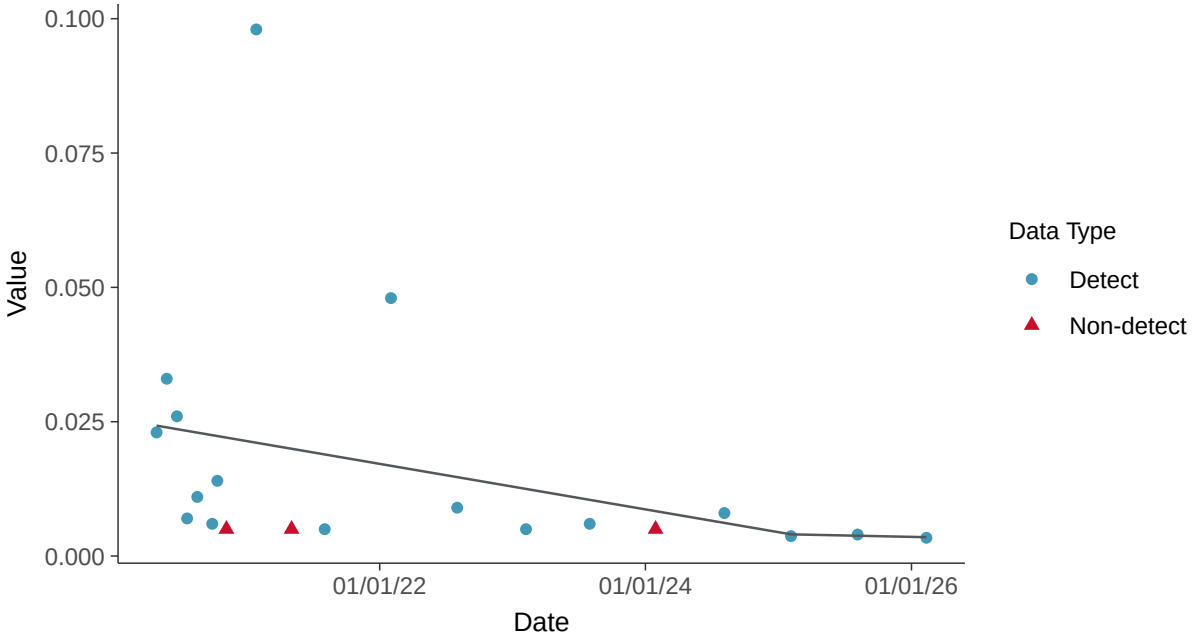
Trend Regression: Lognormal MLE

Zinc, MW-5 (mg/l)



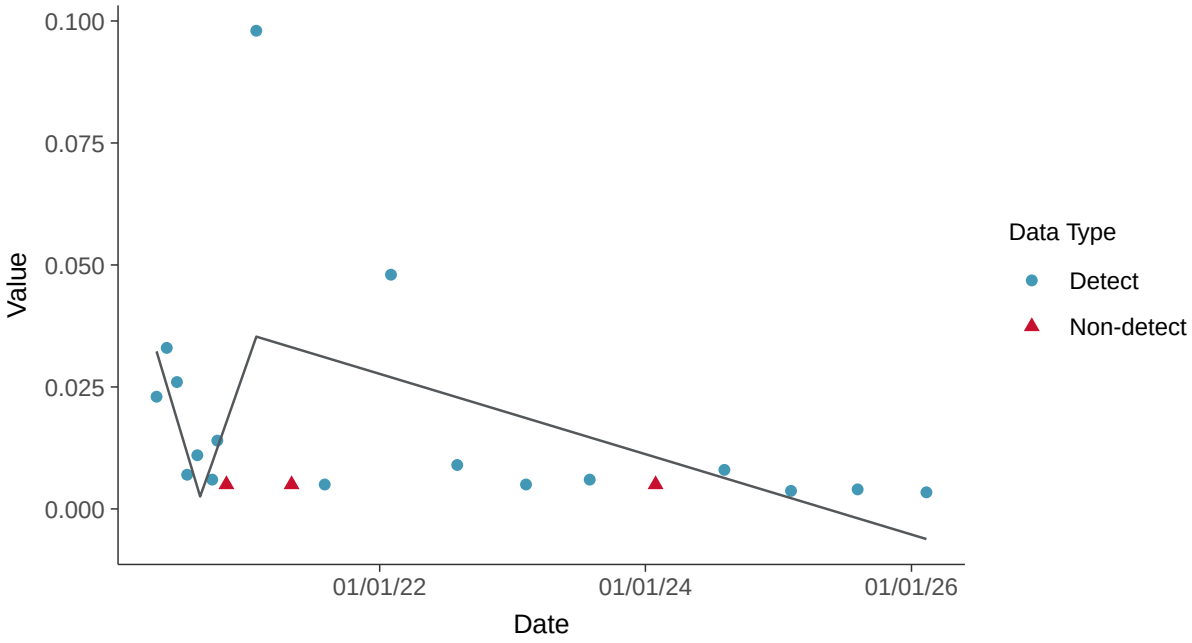
Trend Regression: Piecewise Linear-Linear

Zinc, MW-5 (mg/l)



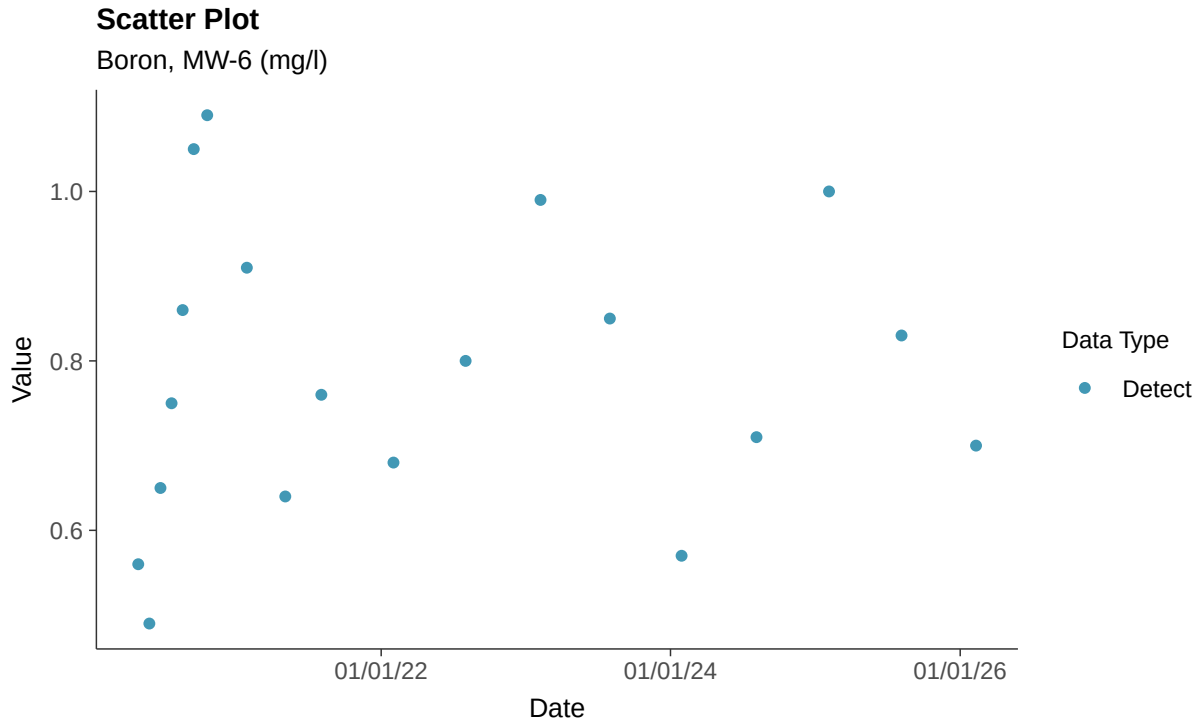
Trend Regression: Piecewise Linear-Linear-Linear

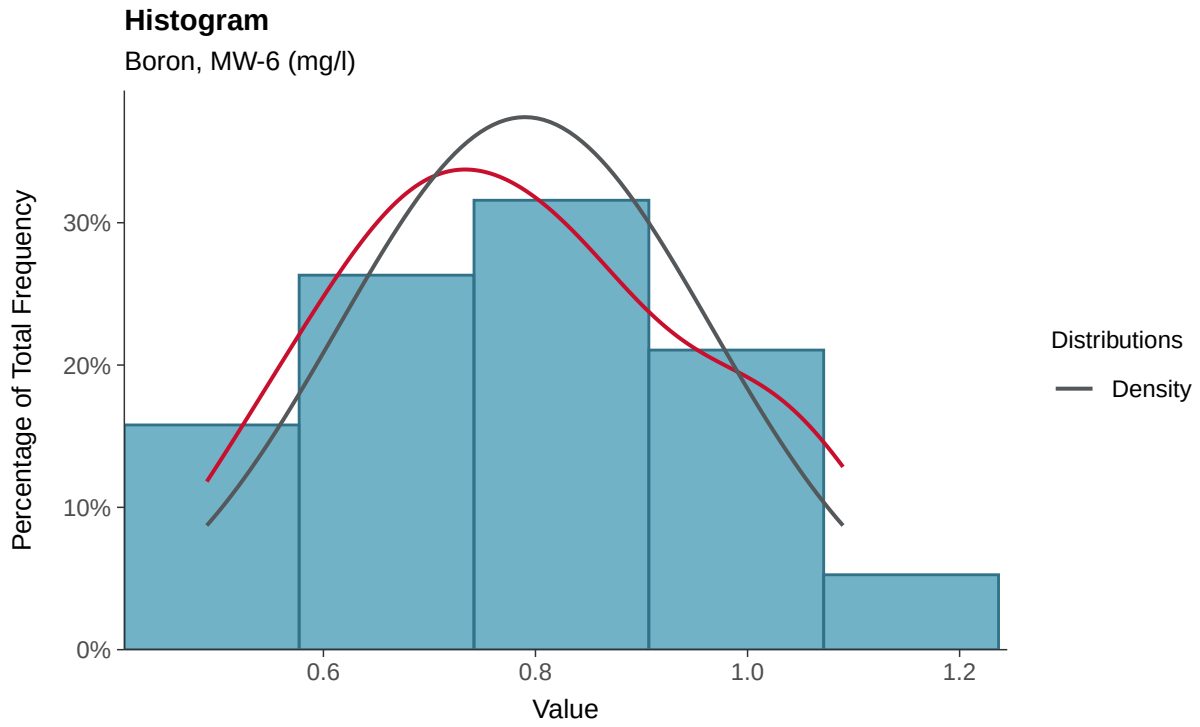
Zinc, MW-5 (mg/l)



Appendix III: Boron, MW-6

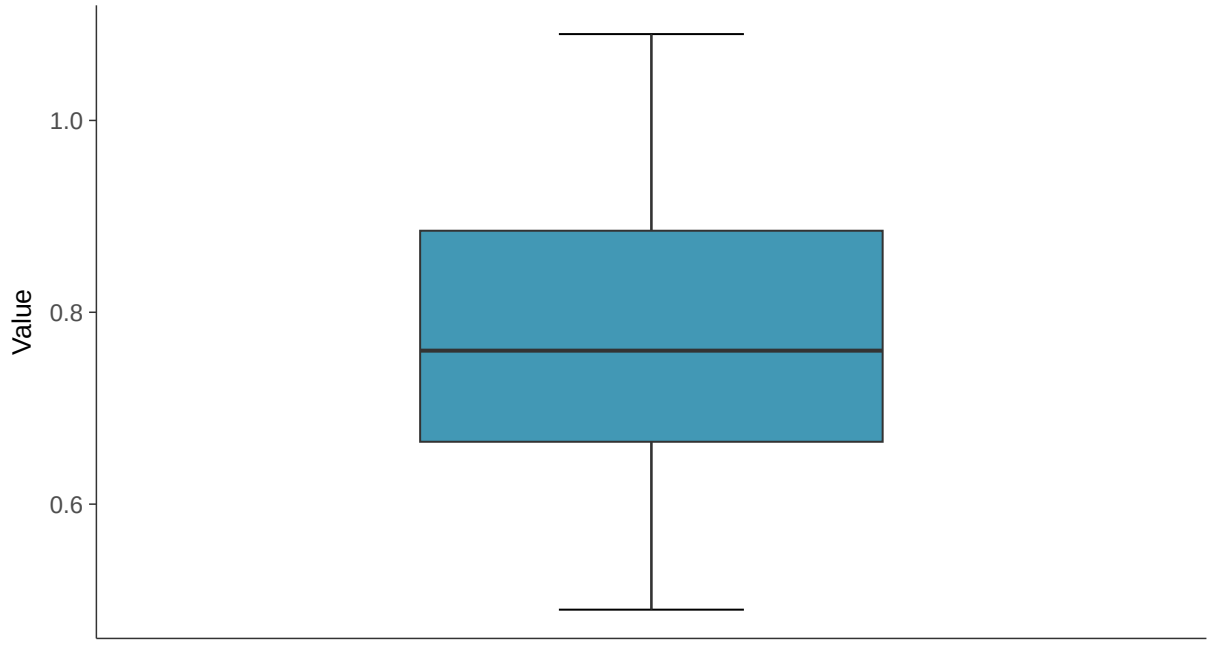
ID: 14_2_105





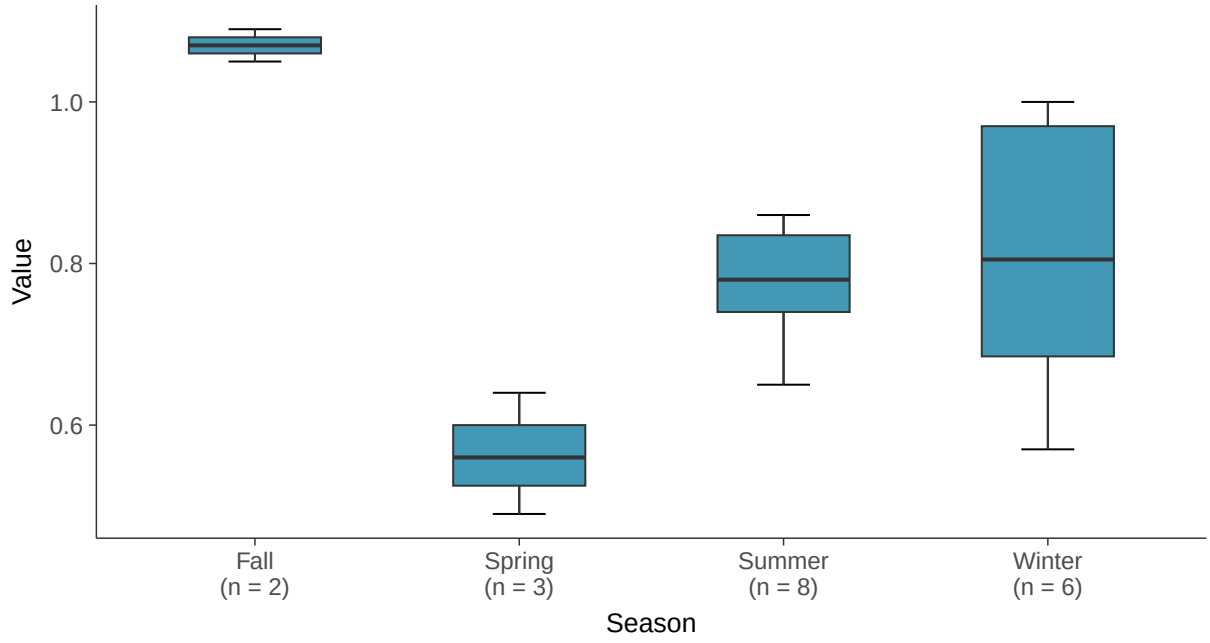
Boxplot

Boron, MW-6 (mg/l)



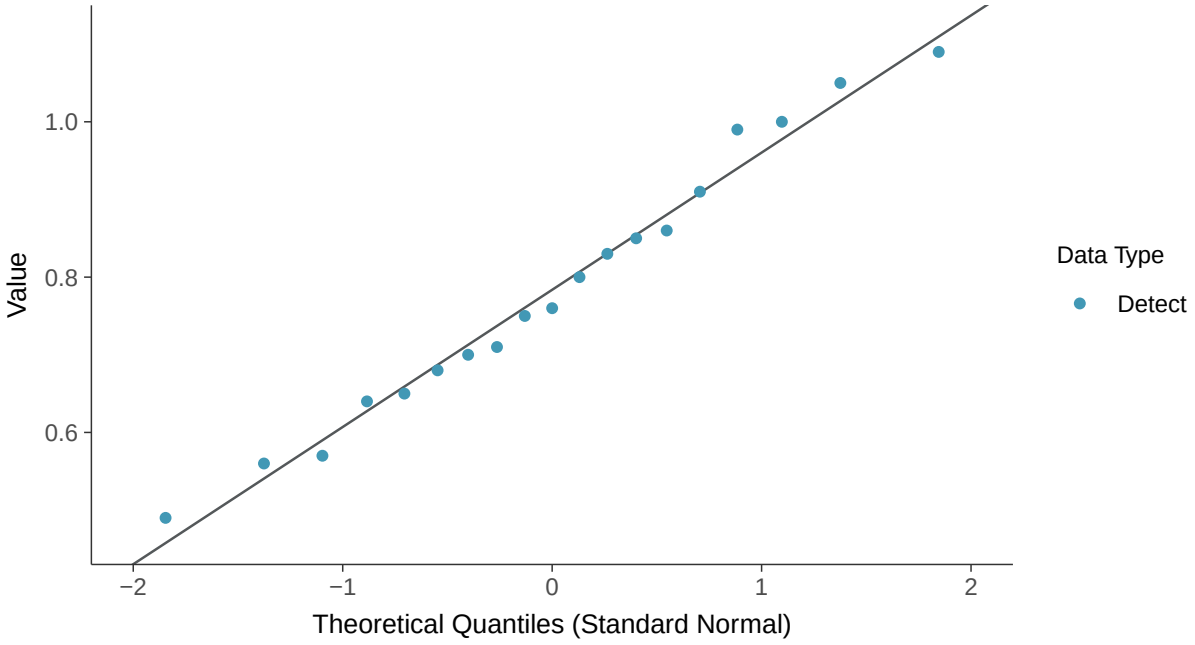
Boxplot by Season

Boron, MW-6 (mg/l)



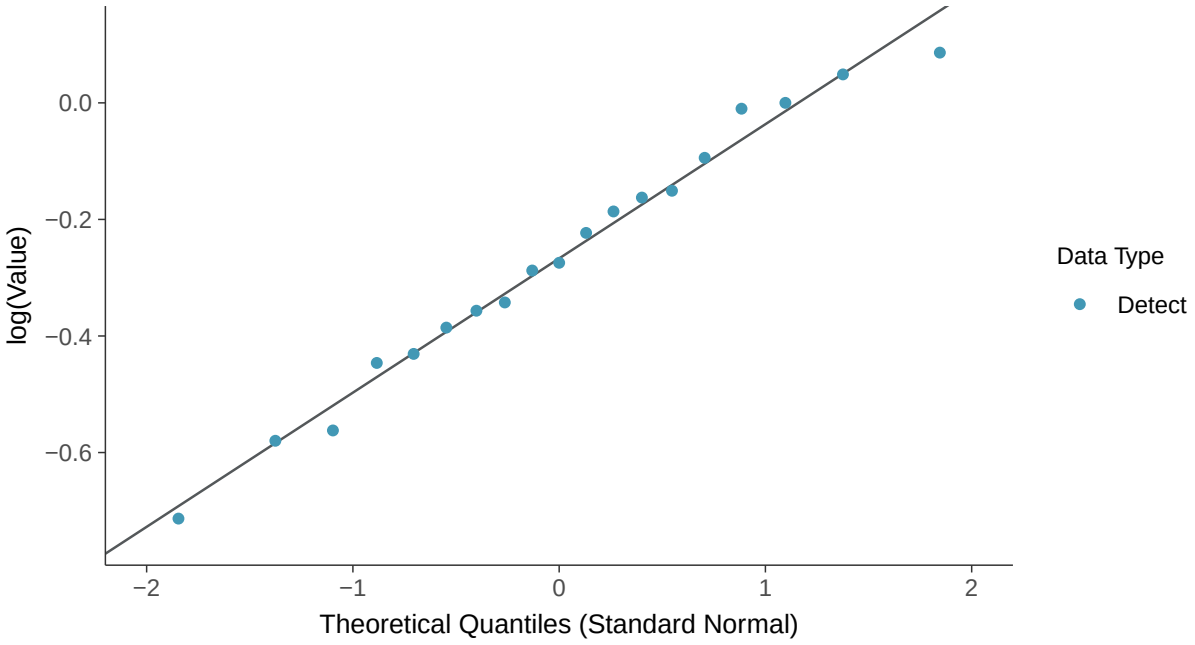
Normal Q-Q plot

Boron, MW-6 (mg/l)



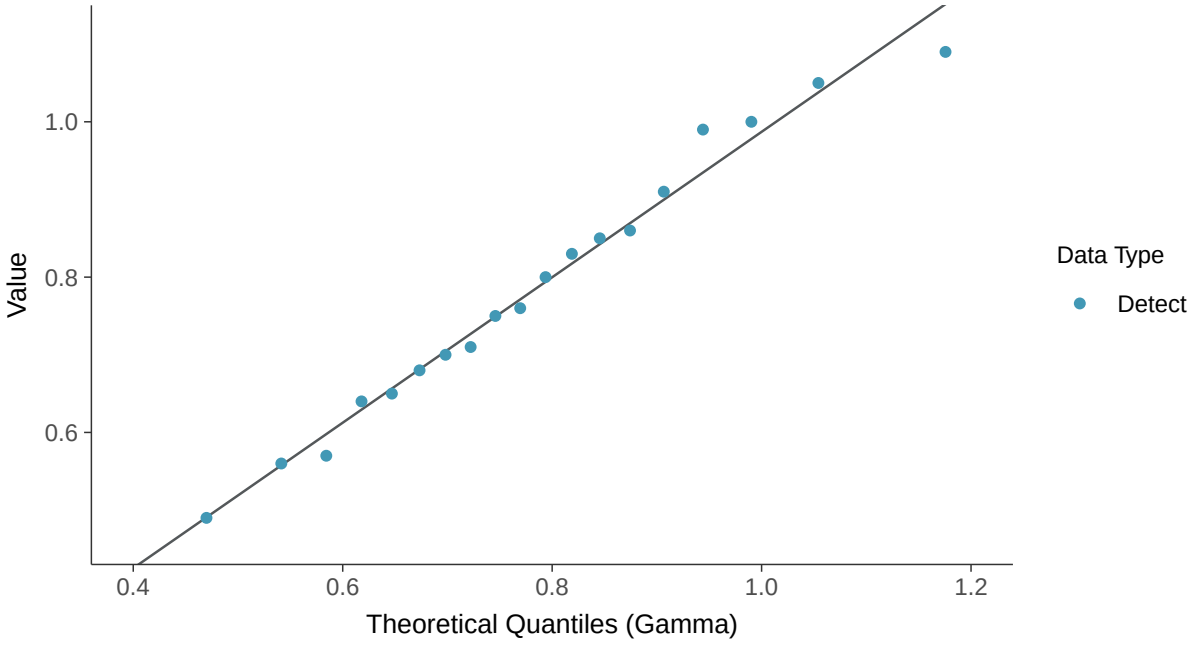
Lognormal Q-Q plot

Boron, MW-6 (mg/l)



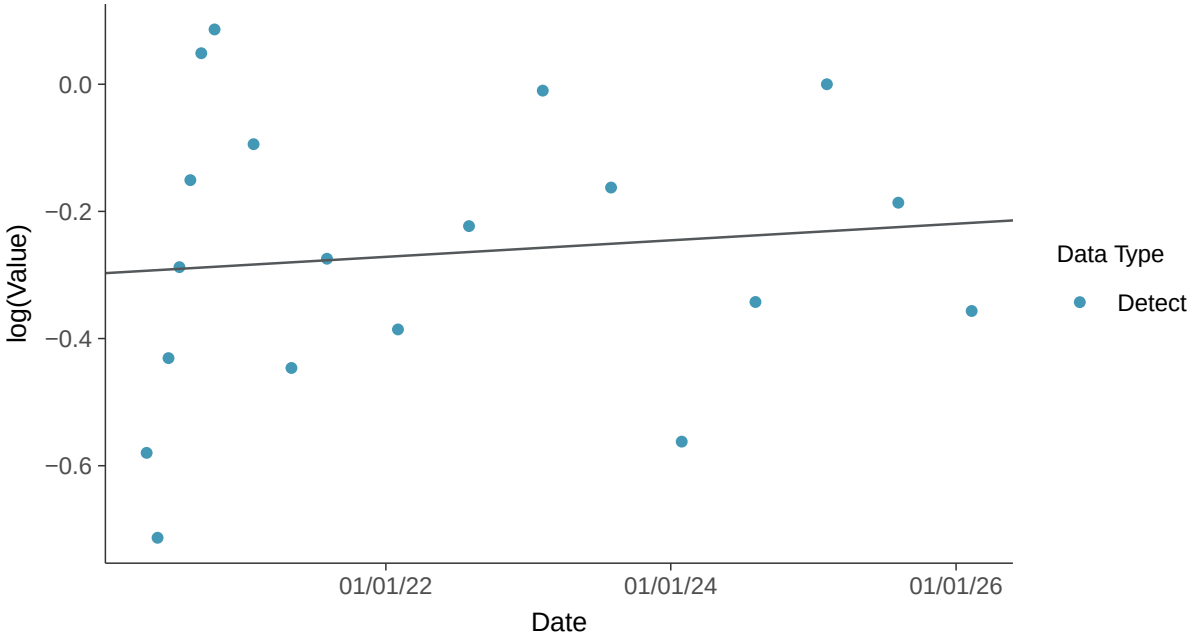
Gamma Q-Q plot

Boron, MW-6 (mg/l)



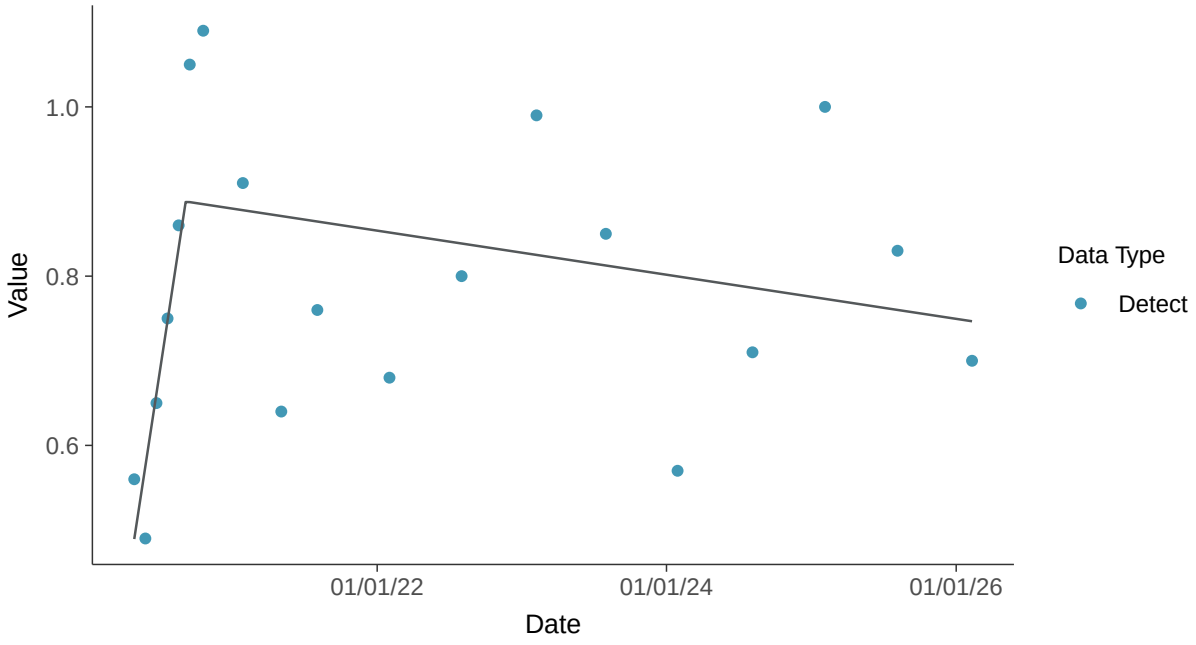
Trend Regression: Lognormal MLE

Boron, MW-6 (mg/l)



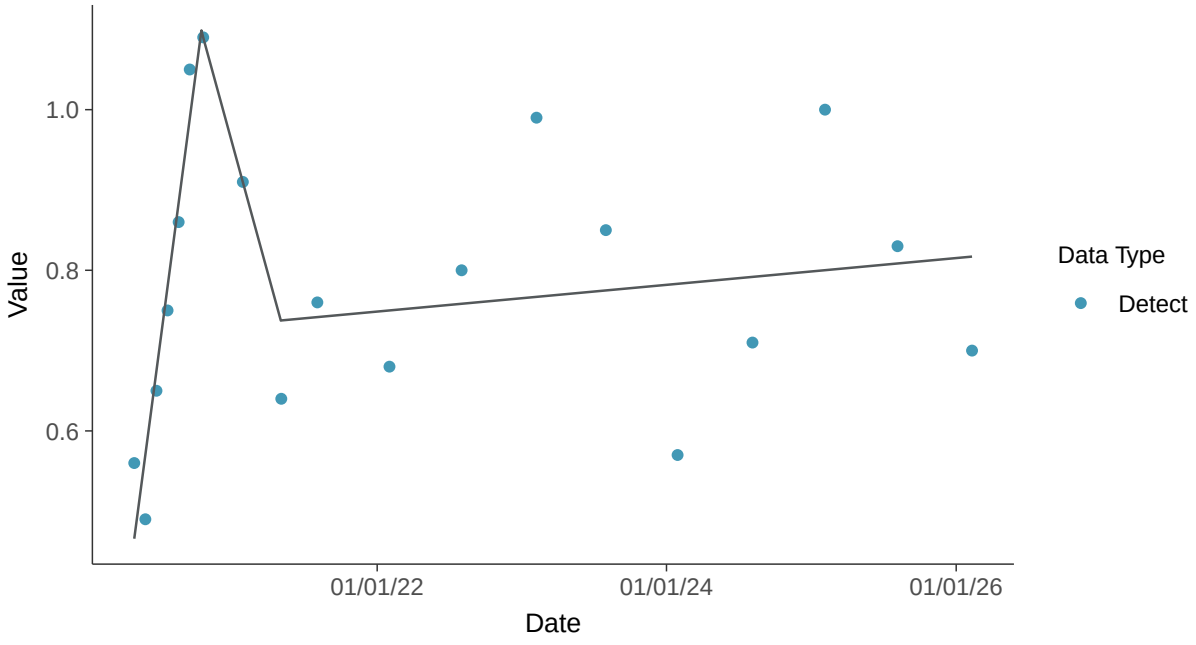
Trend Regression: Piecewise Linear-Linear

Boron, MW-6 (mg/l)



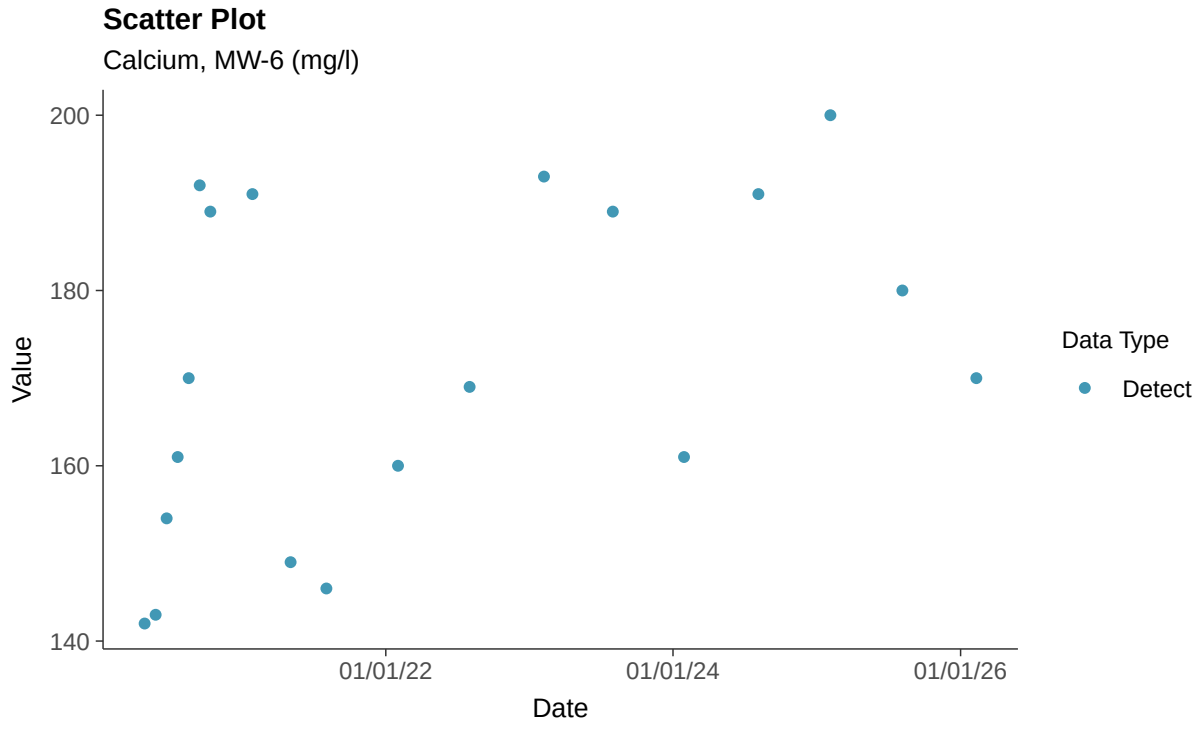
Trend Regression: Piecewise Linear-Linear-Linear

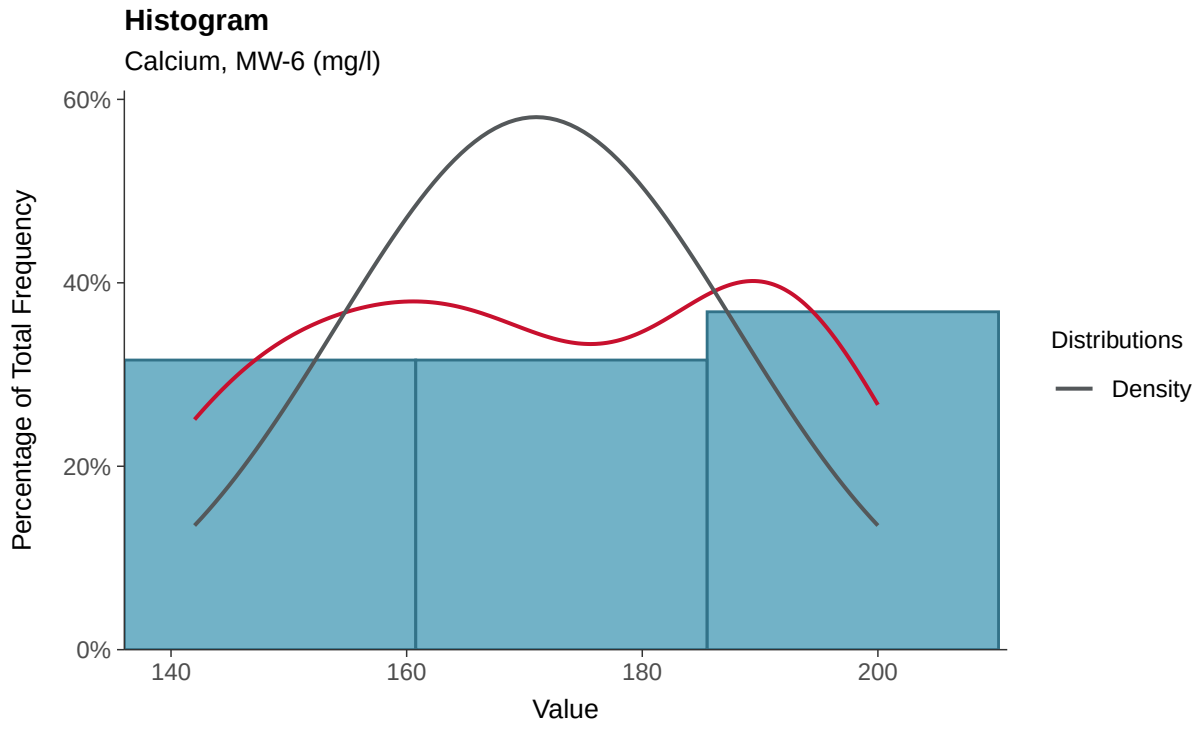
Boron, MW-6 (mg/l)



Appendix III: Calcium, MW-6

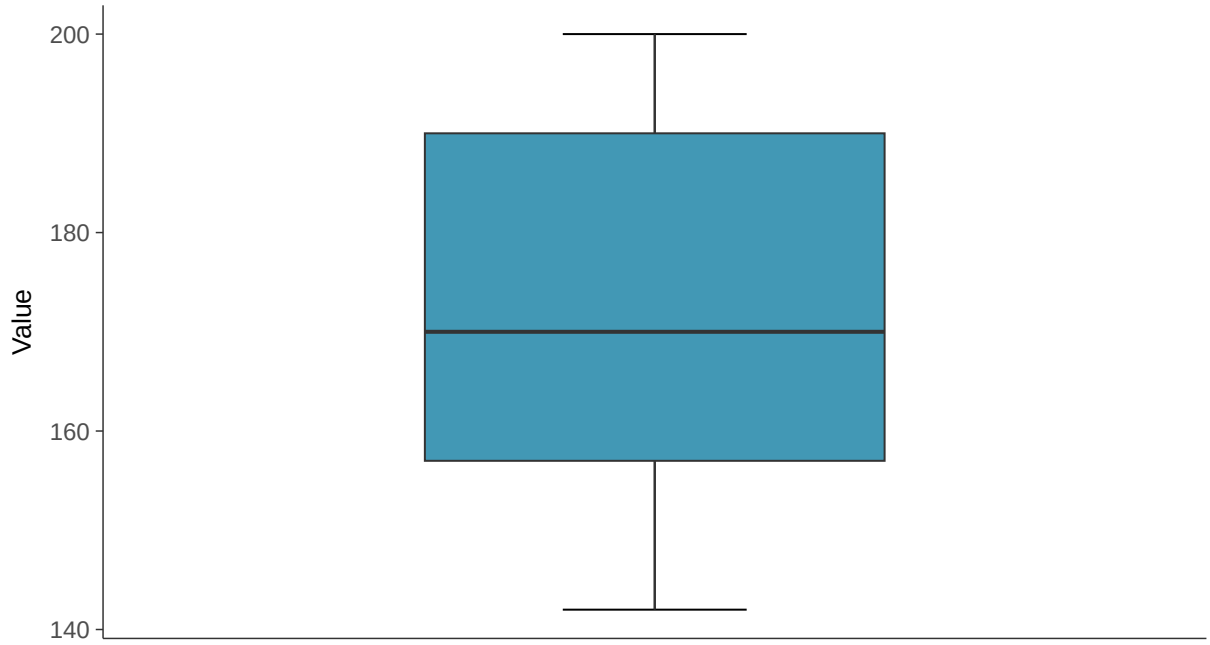
ID: 14_2_107





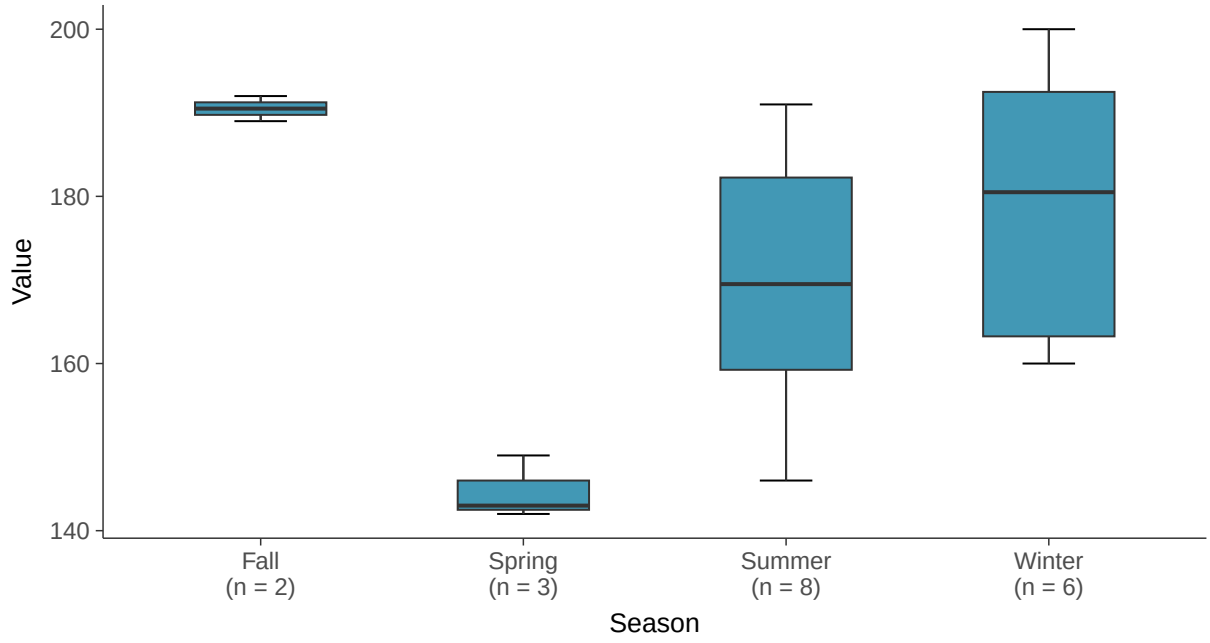
Boxplot

Calcium, MW-6 (mg/l)



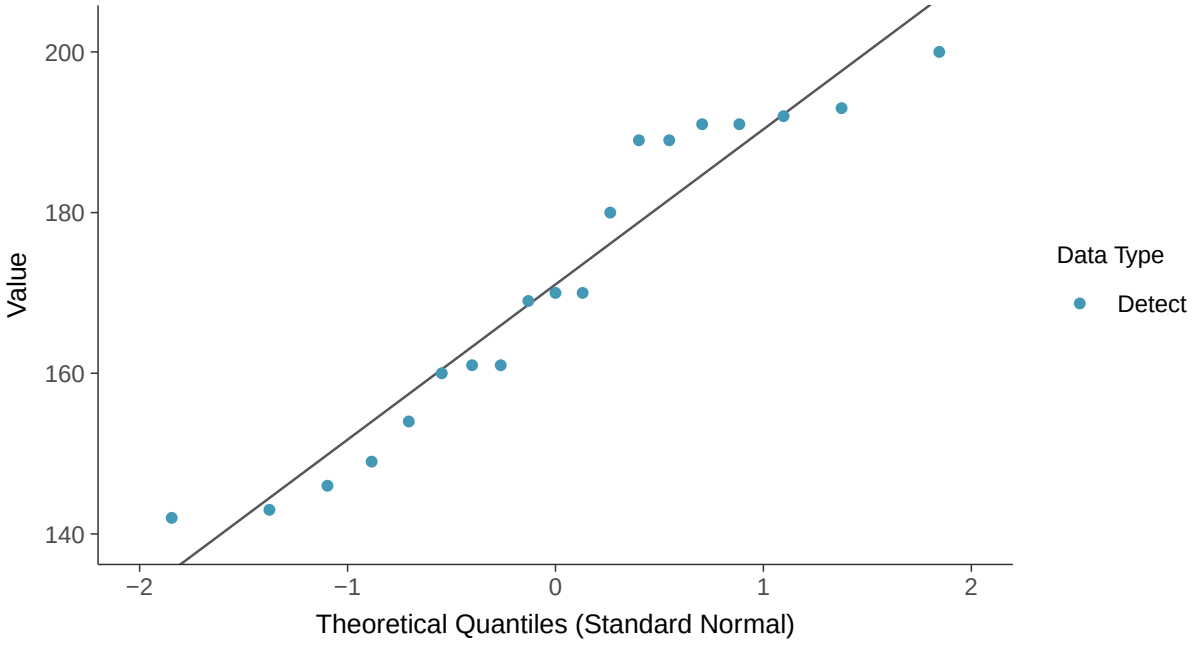
Boxplot by Season

Calcium, MW-6 (mg/l)



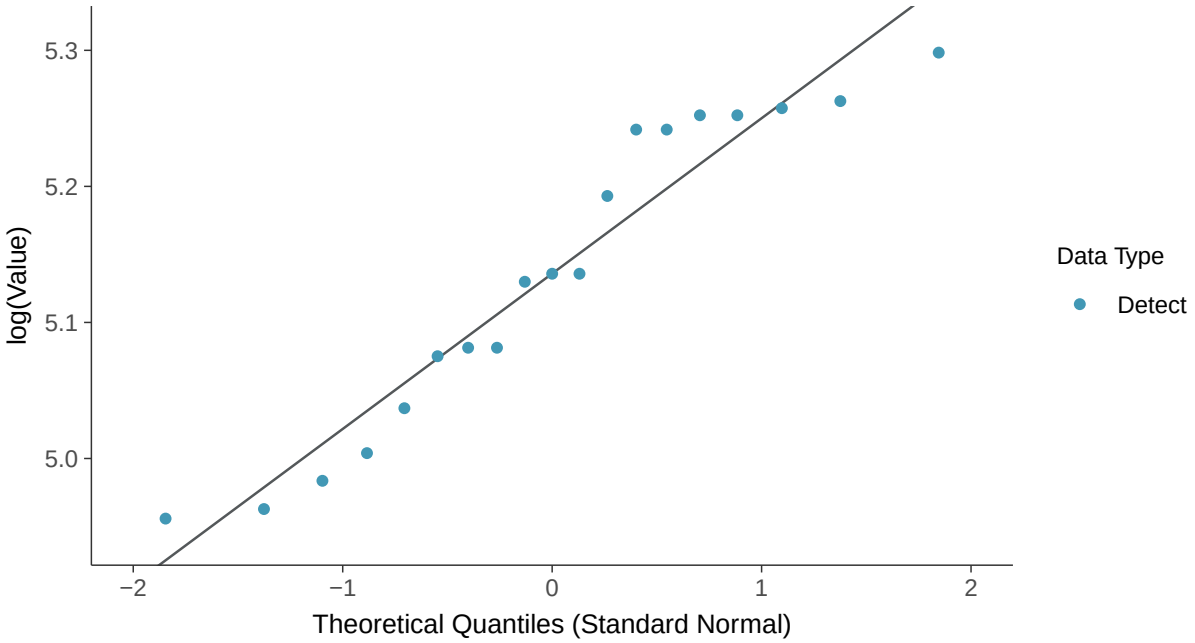
Normal Q-Q plot

Calcium, MW-6 (mg/l)



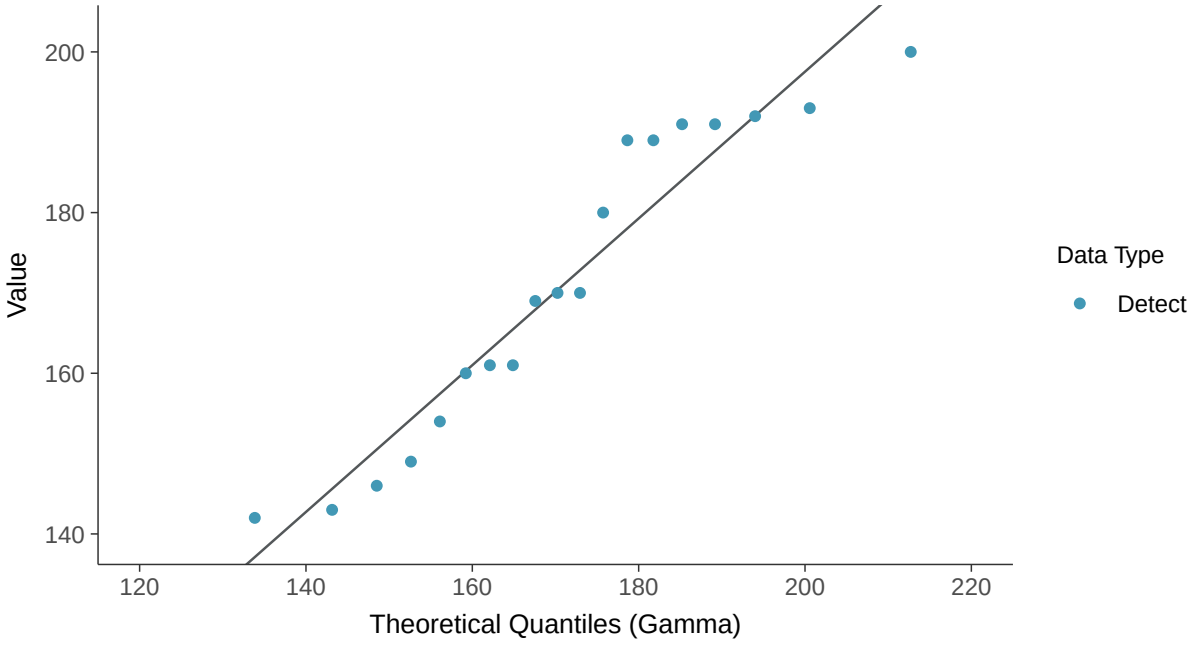
Lognormal Q-Q plot

Calcium, MW-6 (mg/l)



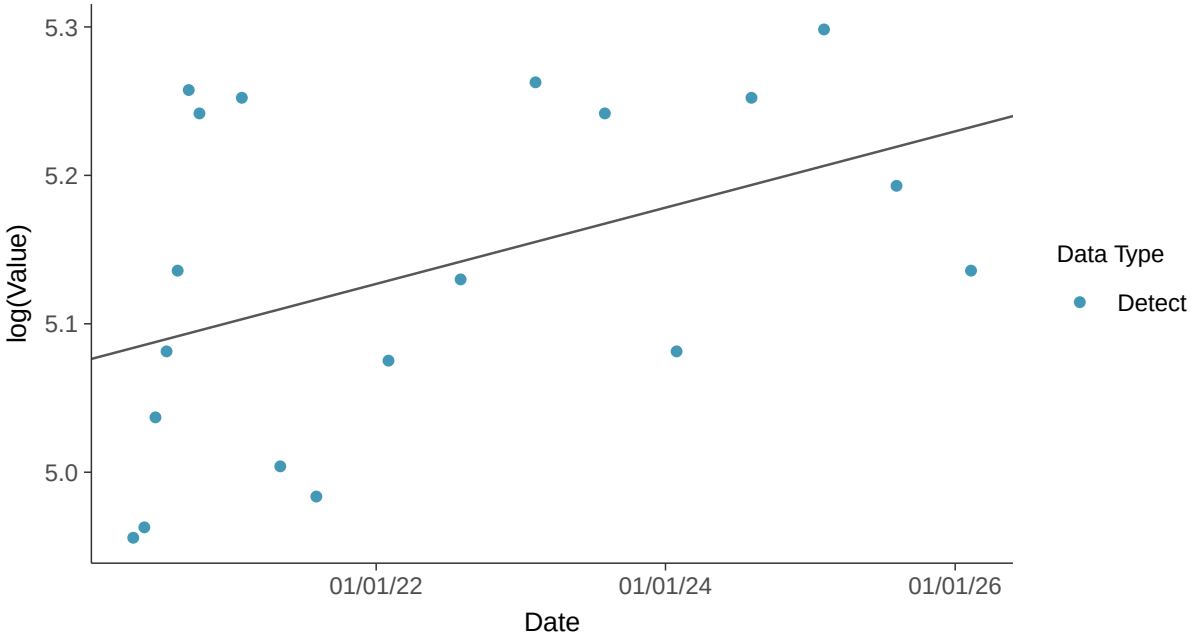
Gamma Q-Q plot

Calcium, MW-6 (mg/l)



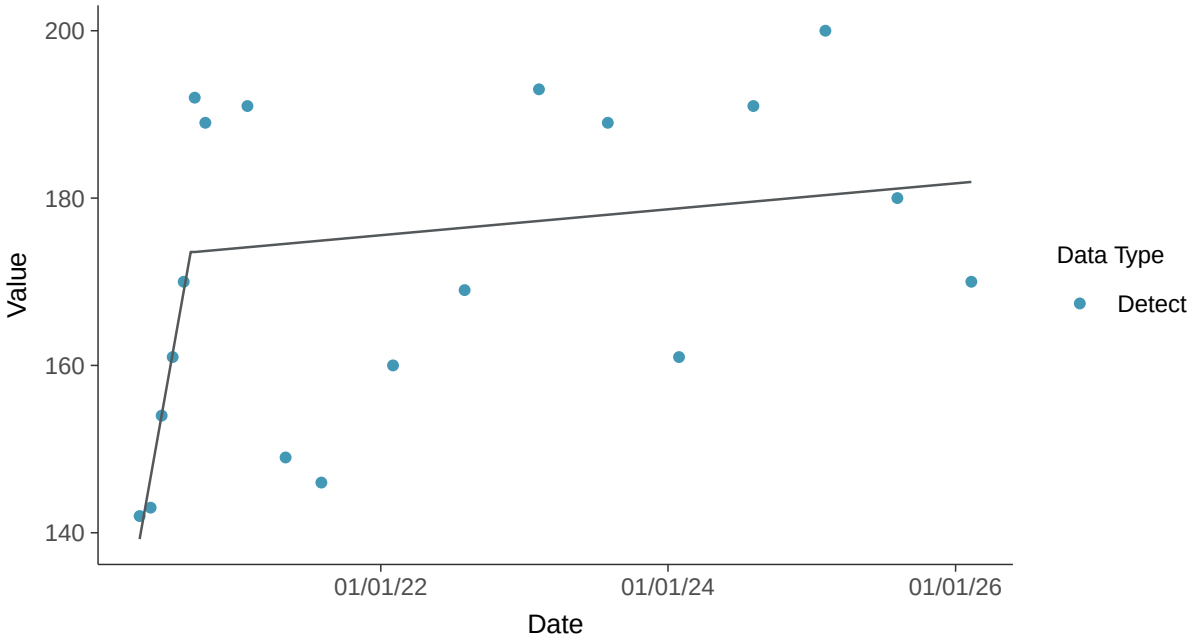
Trend Regression: Lognormal MLE

Calcium, MW-6 (mg/l)



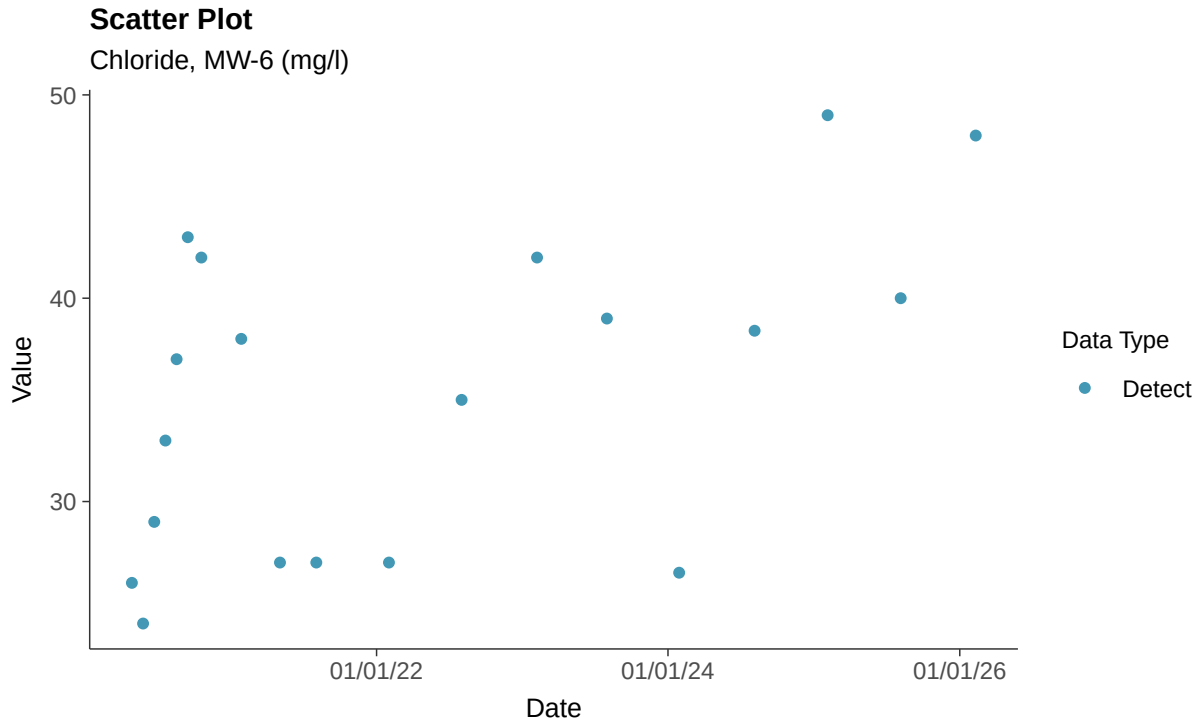
Trend Regression: Piecewise Linear-Linear

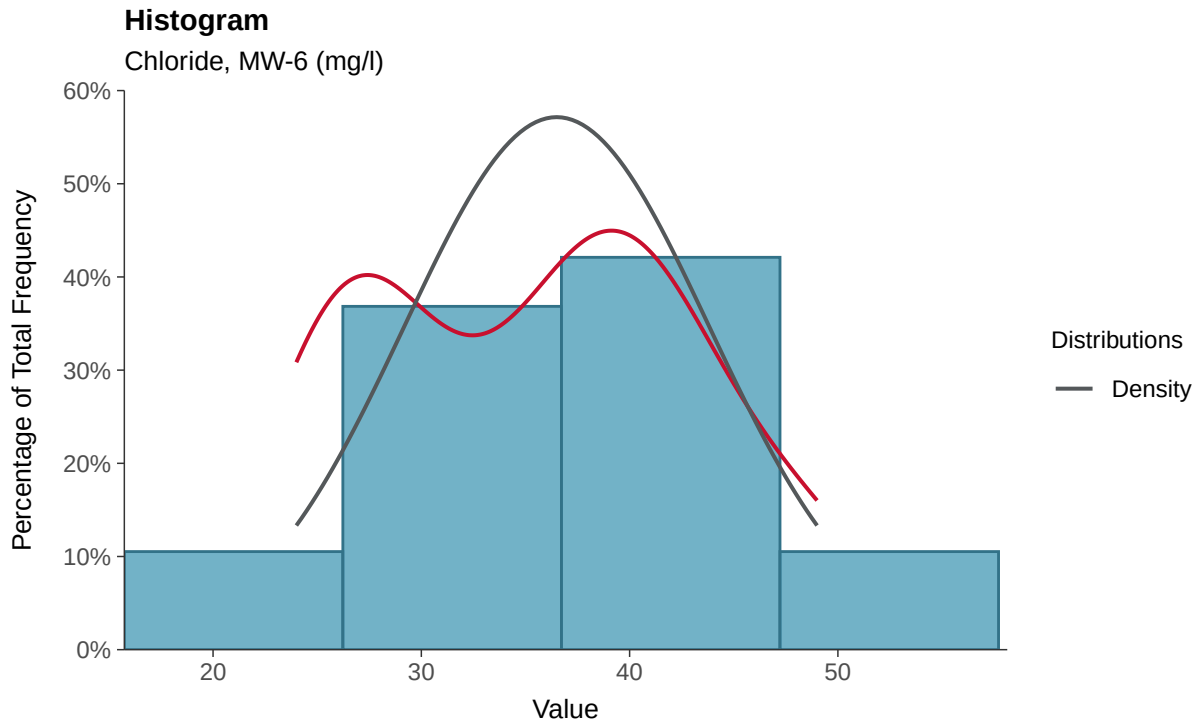
Calcium, MW-6 (mg/l)



Appendix III: Chloride, MW-6

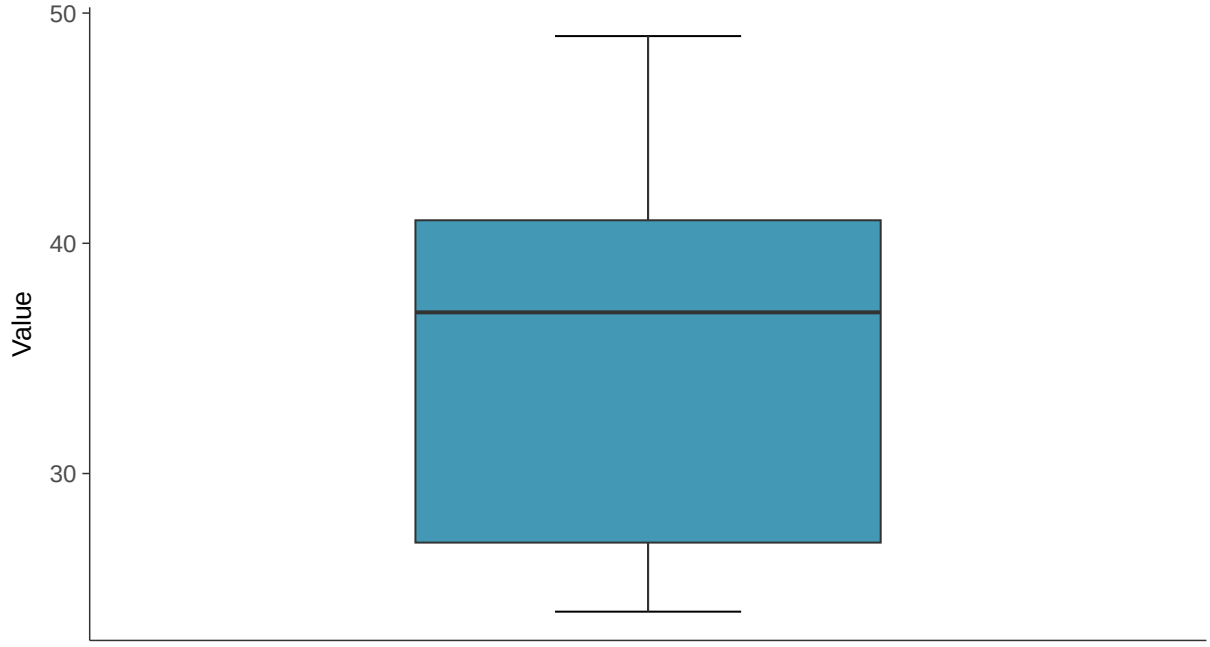
ID: 14_2_108





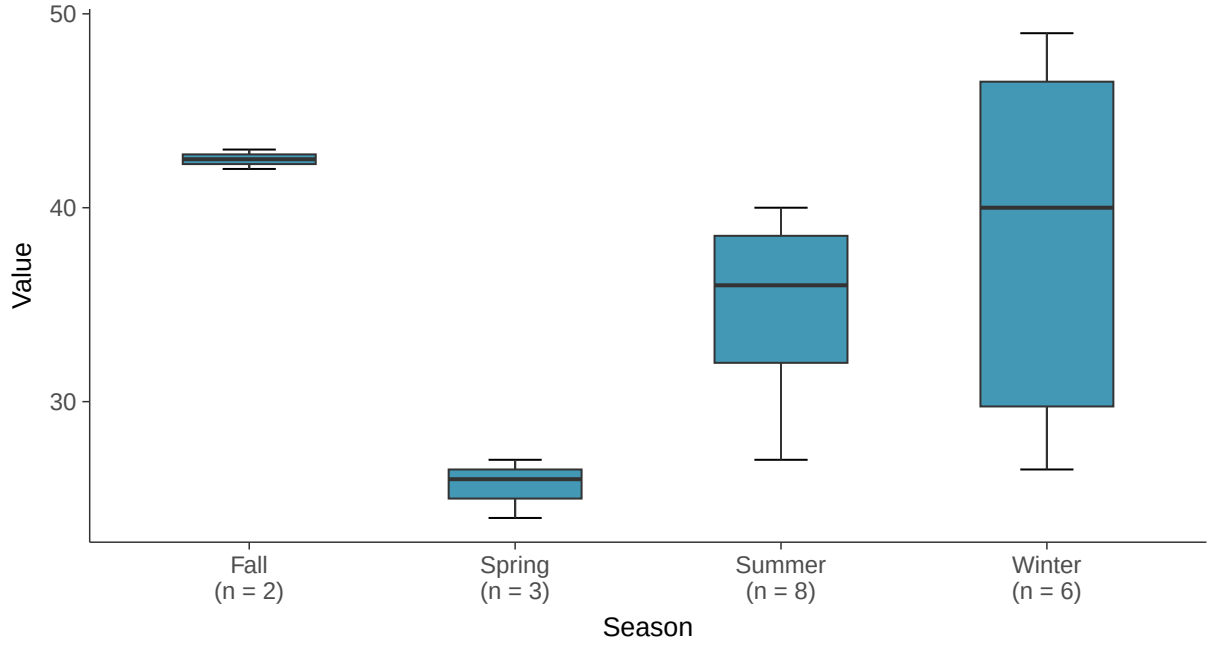
Boxplot

Chloride, MW-6 (mg/l)



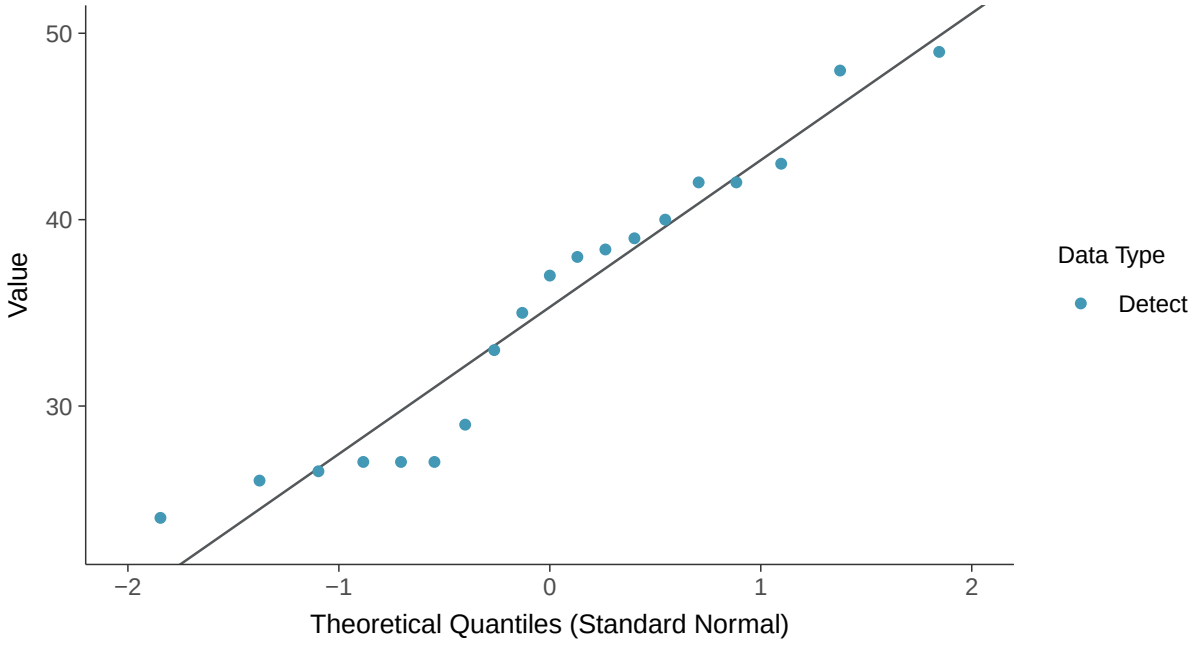
Boxplot by Season

Chloride, MW-6 (mg/l)



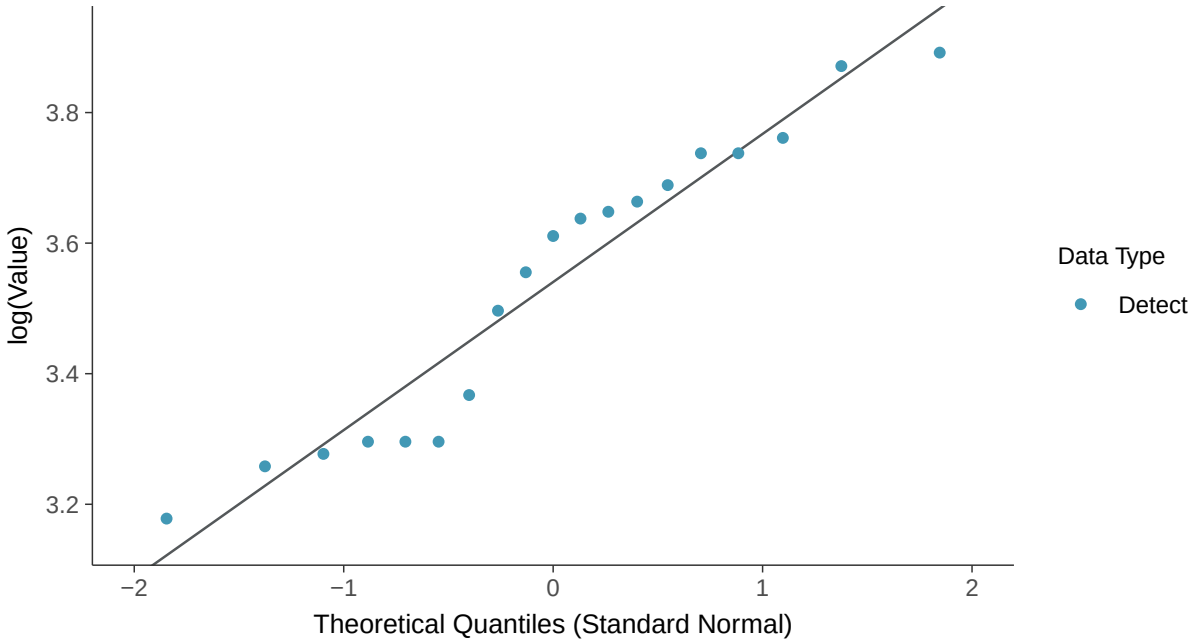
Normal Q-Q plot

Chloride, MW-6 (mg/l)



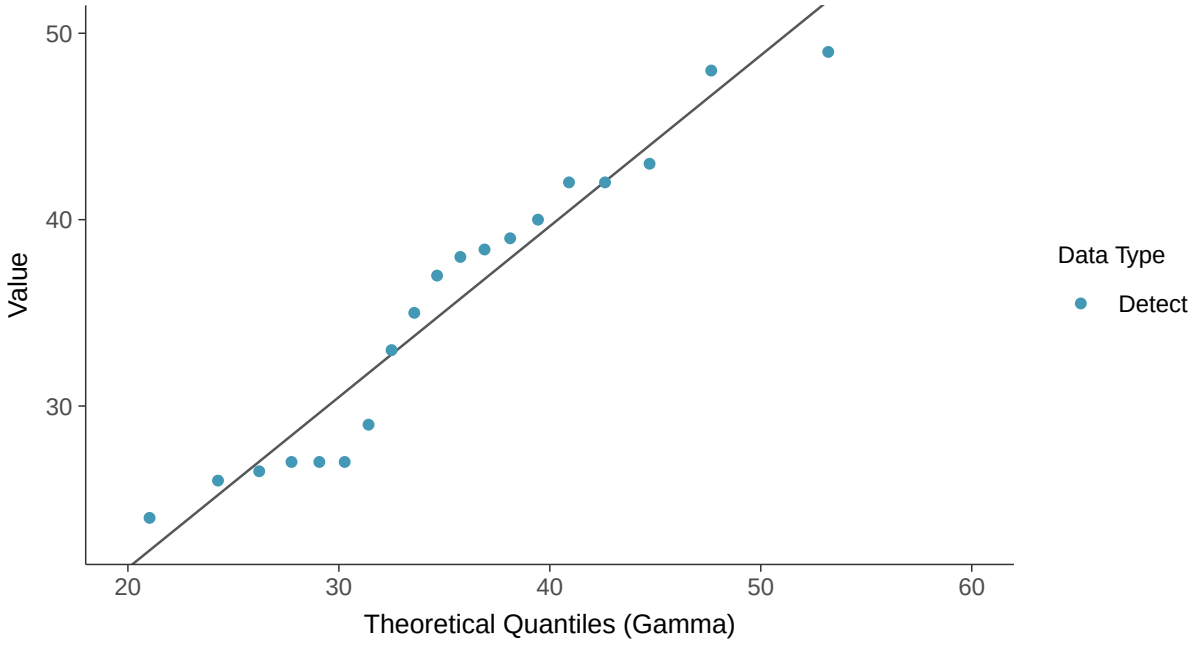
Lognormal Q-Q plot

Chloride, MW-6 (mg/l)



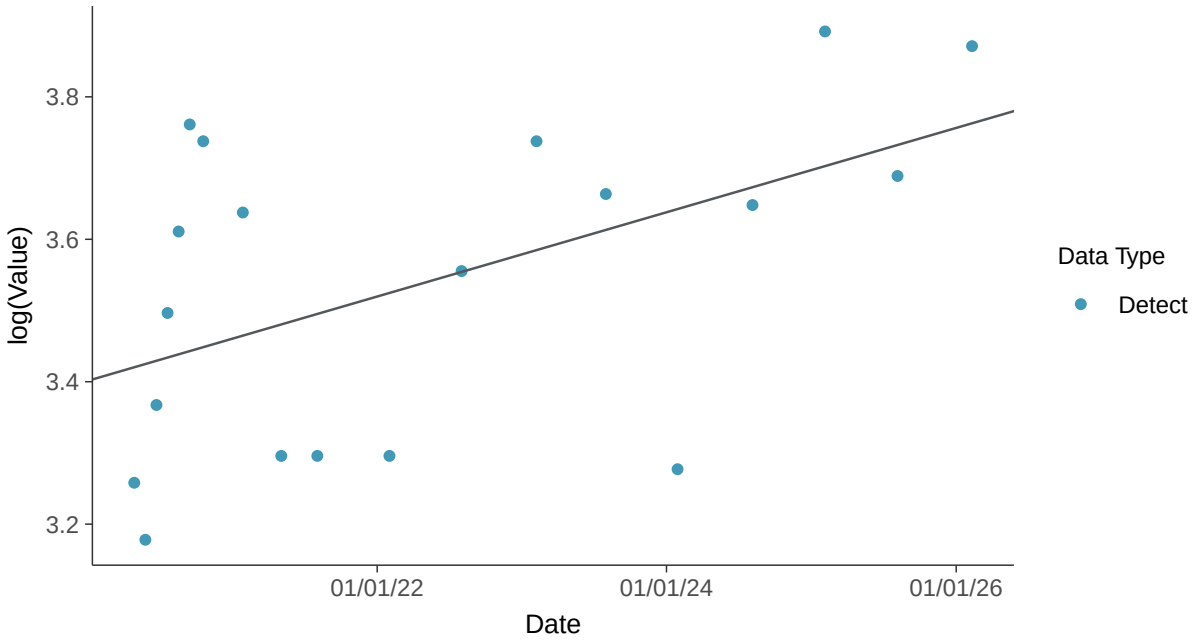
Gamma Q-Q plot

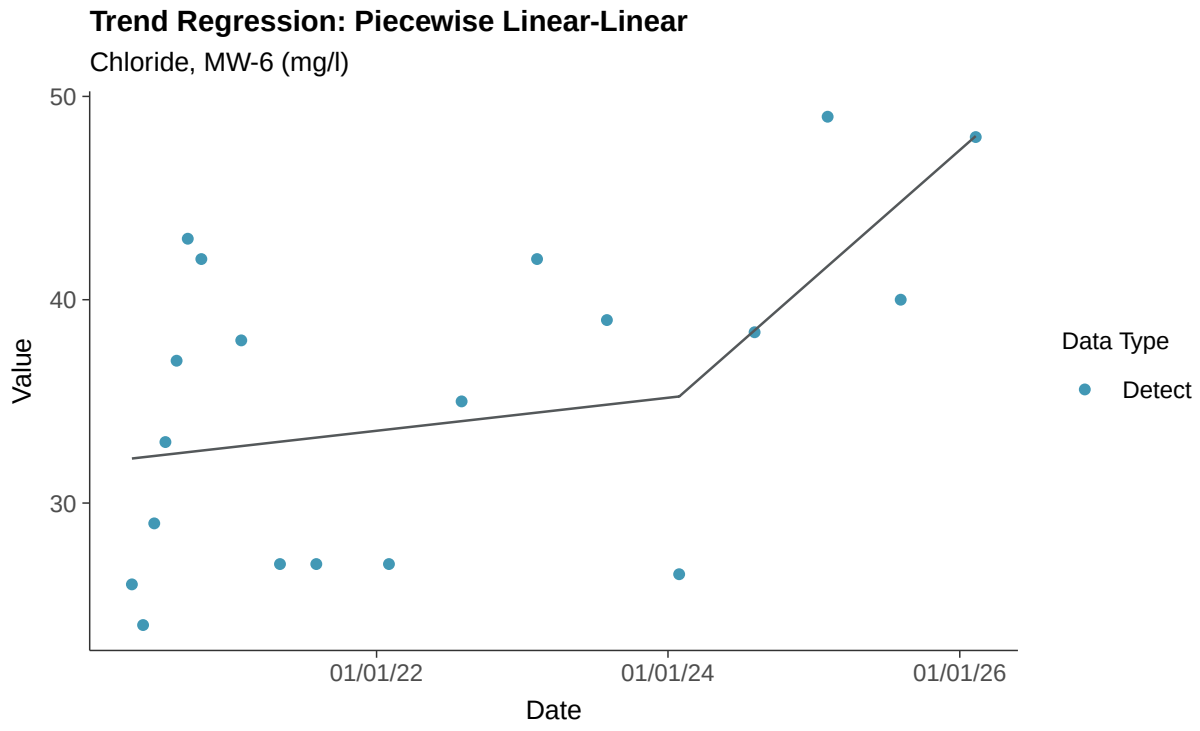
Chloride, MW-6 (mg/l)



Trend Regression: Lognormal MLE

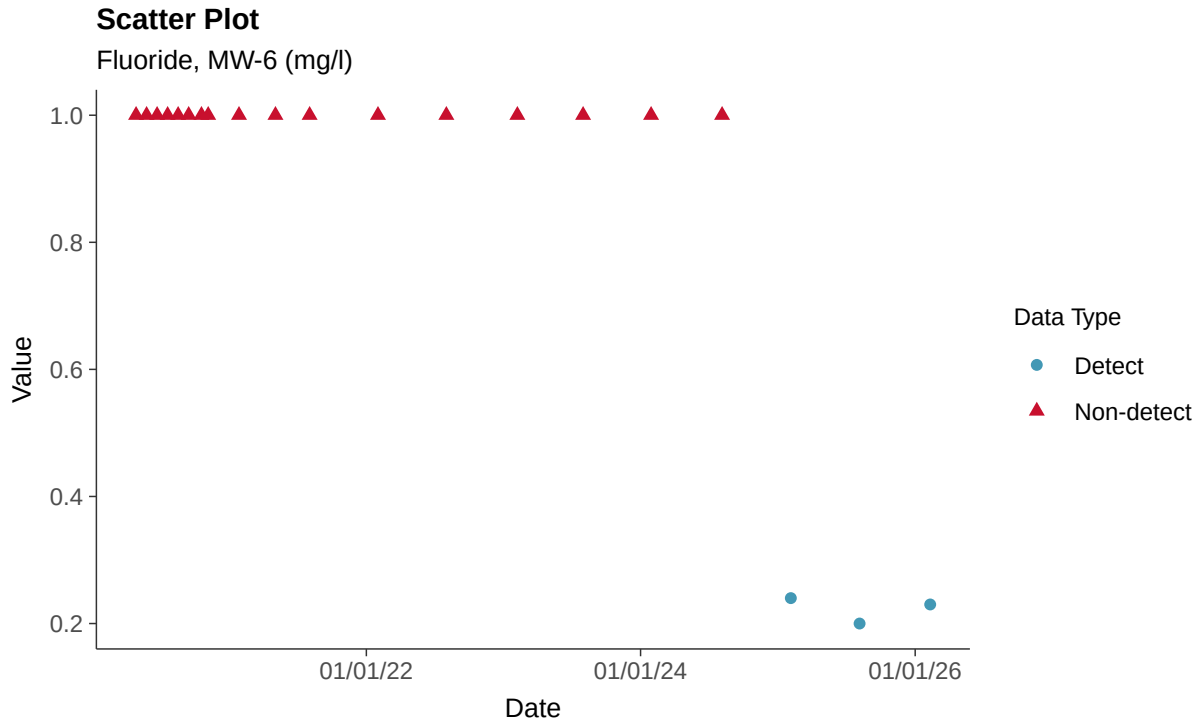
Chloride, MW-6 (mg/l)

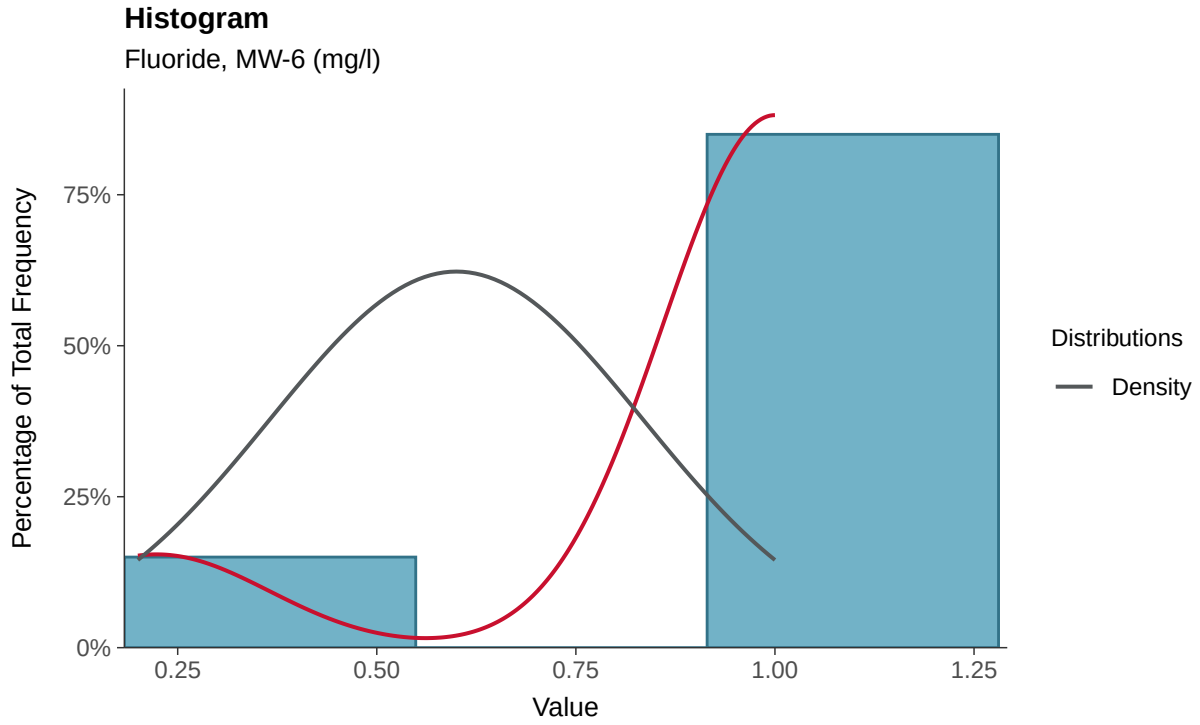



Trend Regression: Piecewise Linear-Linear
Chloride, MW-6 (mg/l)
50
40
30
Value
01/01/22
01/01/24
01/01/26
Date
Data Type
Detect

Appendix III: Fluoride, MW-6

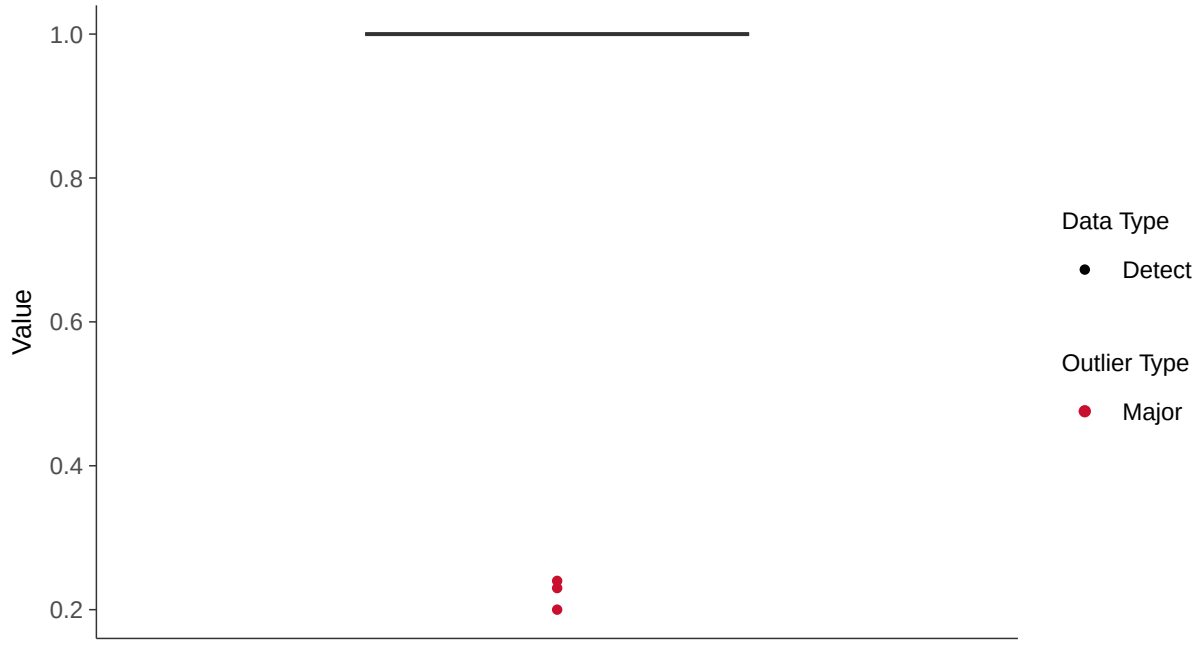
ID: 14_2_112





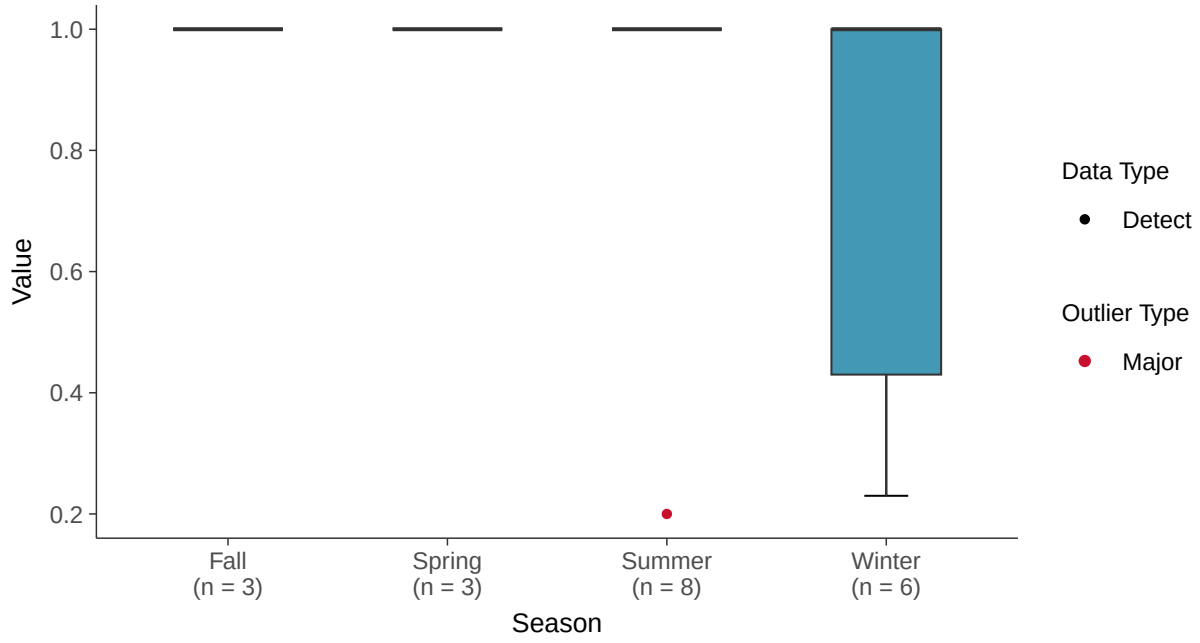
Boxplot

Fluoride, MW-6 (mg/l)



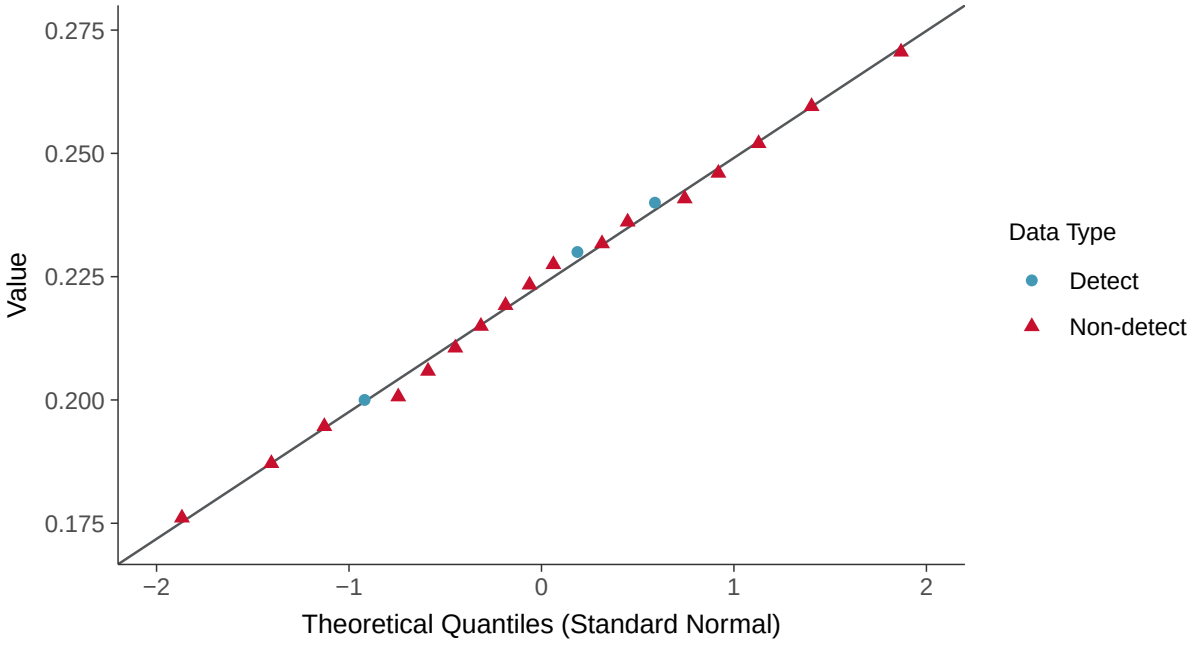
Boxplot by Season

Fluoride, MW-6 (mg/l)



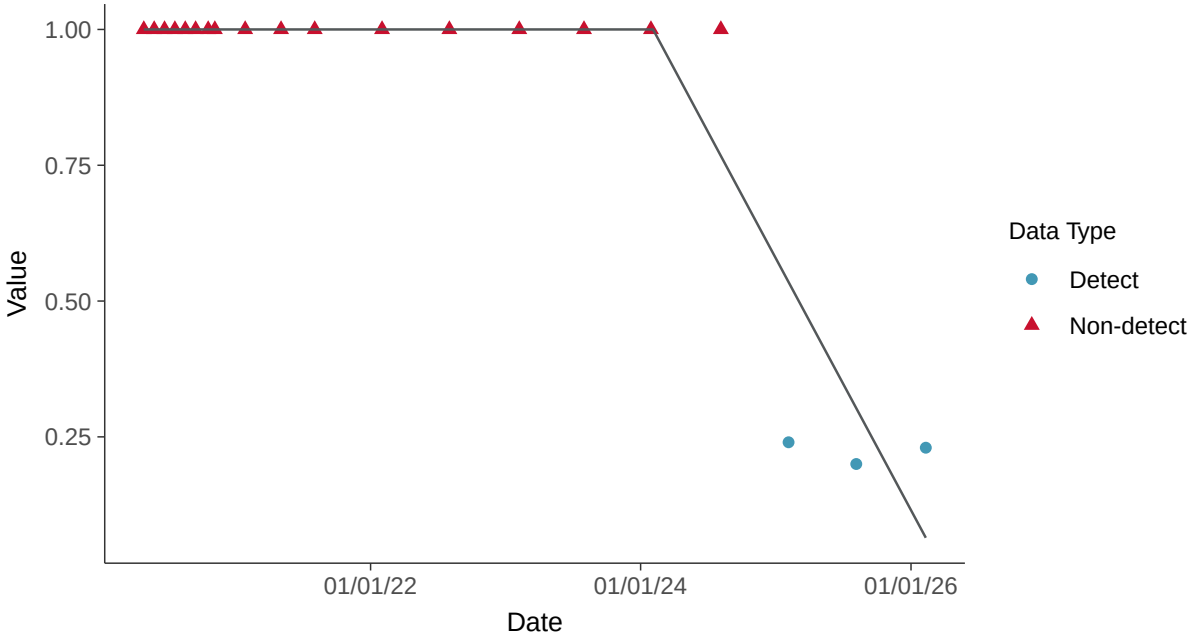
Normal Q-Q plot using ROS Imputed Estimates

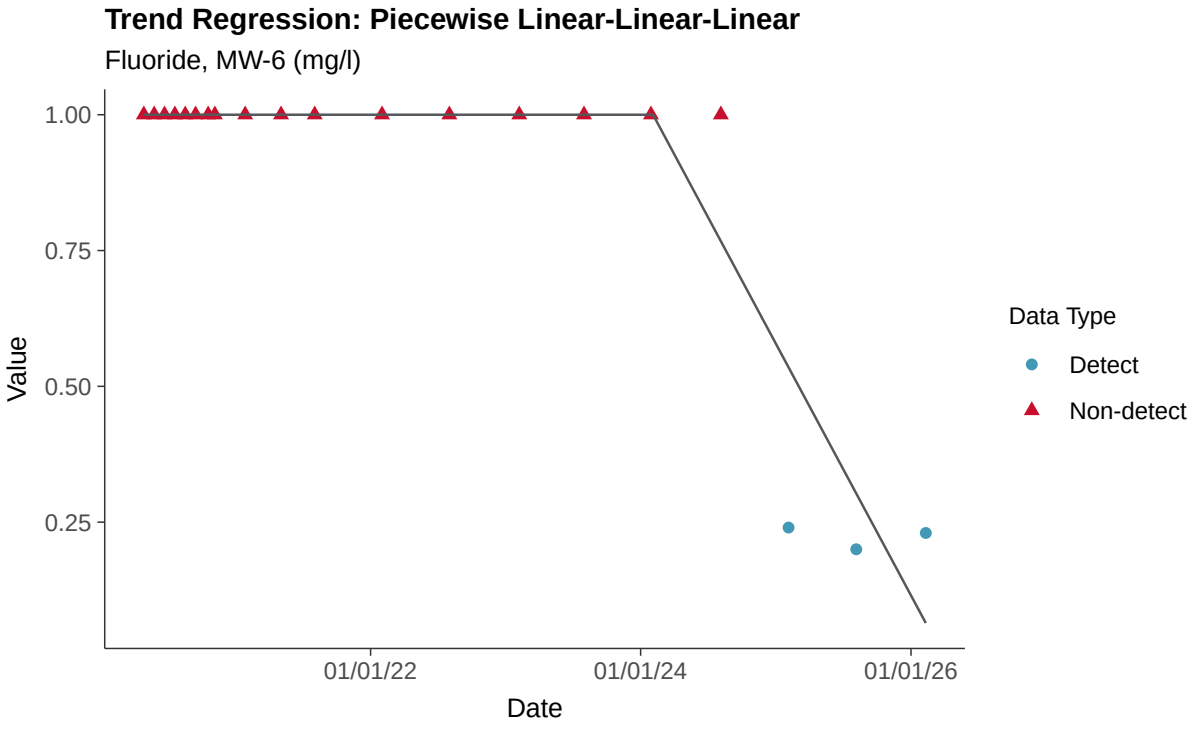
Fluoride, MW-6 (mg/l)



Trend Regression: Piecewise Linear-Linear

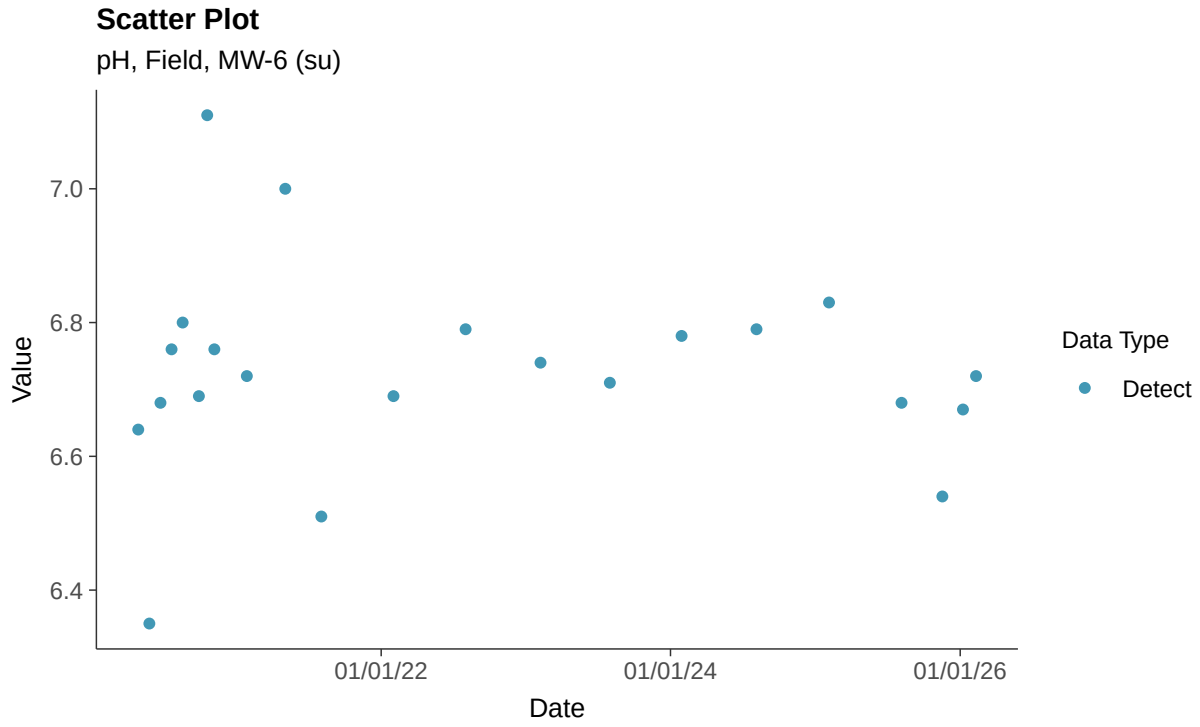
Fluoride, MW-6 (mg/l)

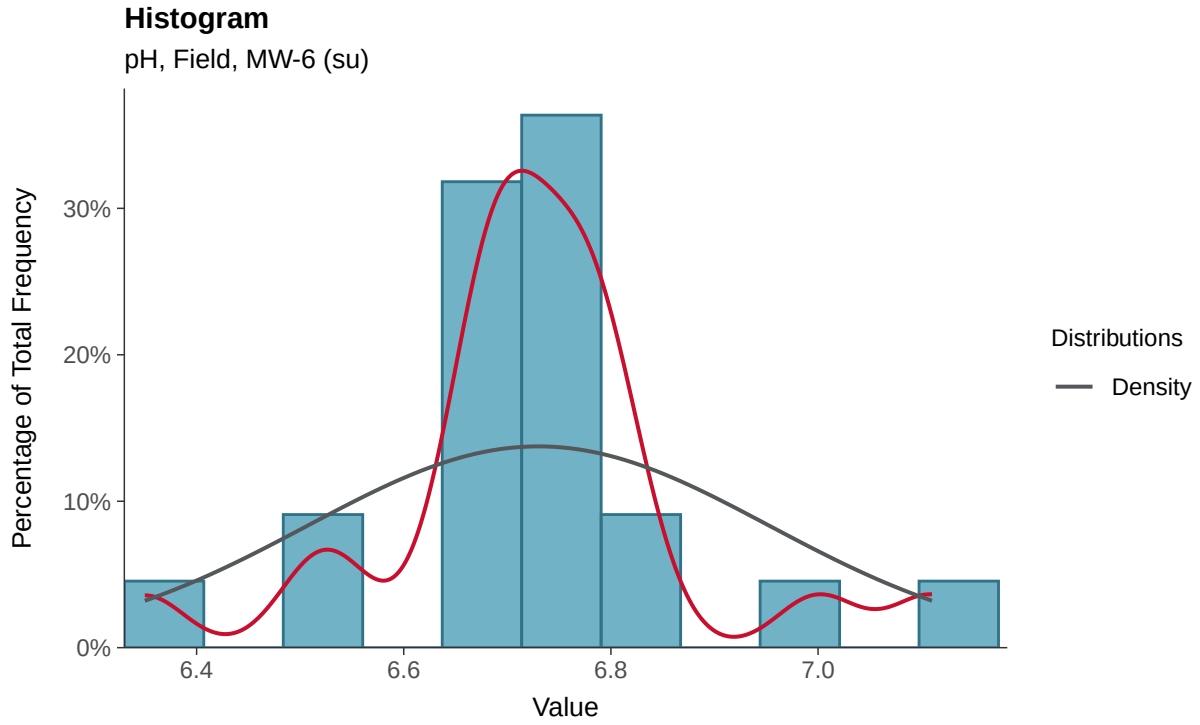



Trend Regression: Piecewise Linear-Linear-Linear
Fluoride, MW-6 (mg/l)
1.00
0.75
0.50
0.25
Value
01/01/22
01/01/24
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: pH, Field, MW-6

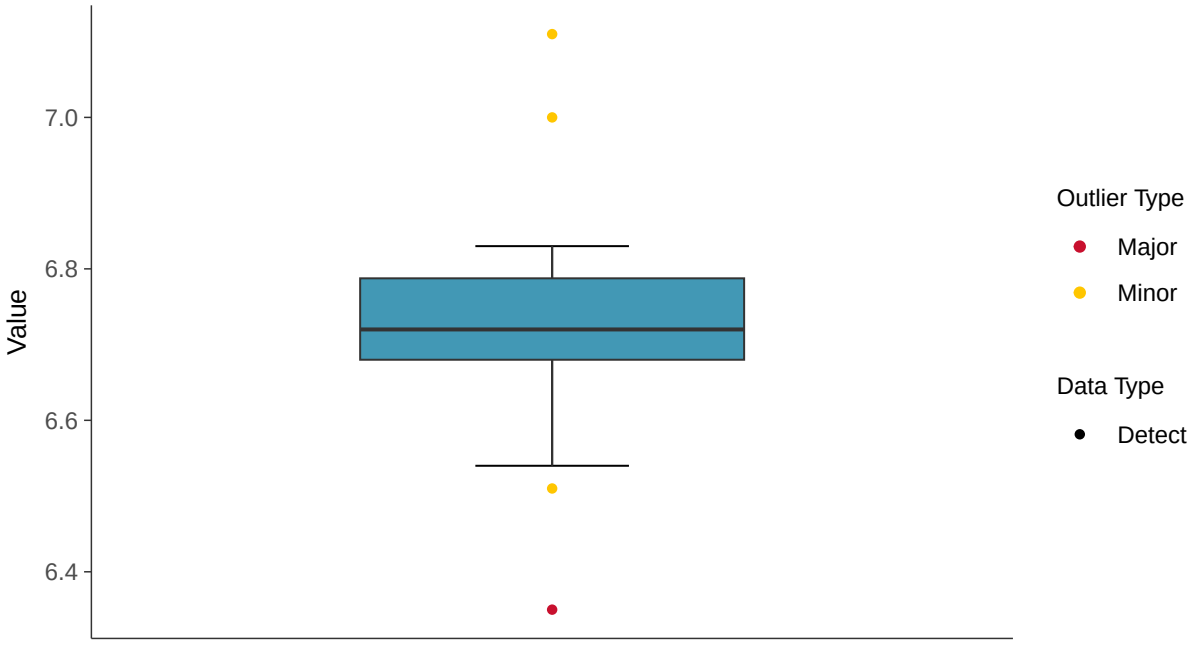
ID: 14_2_120





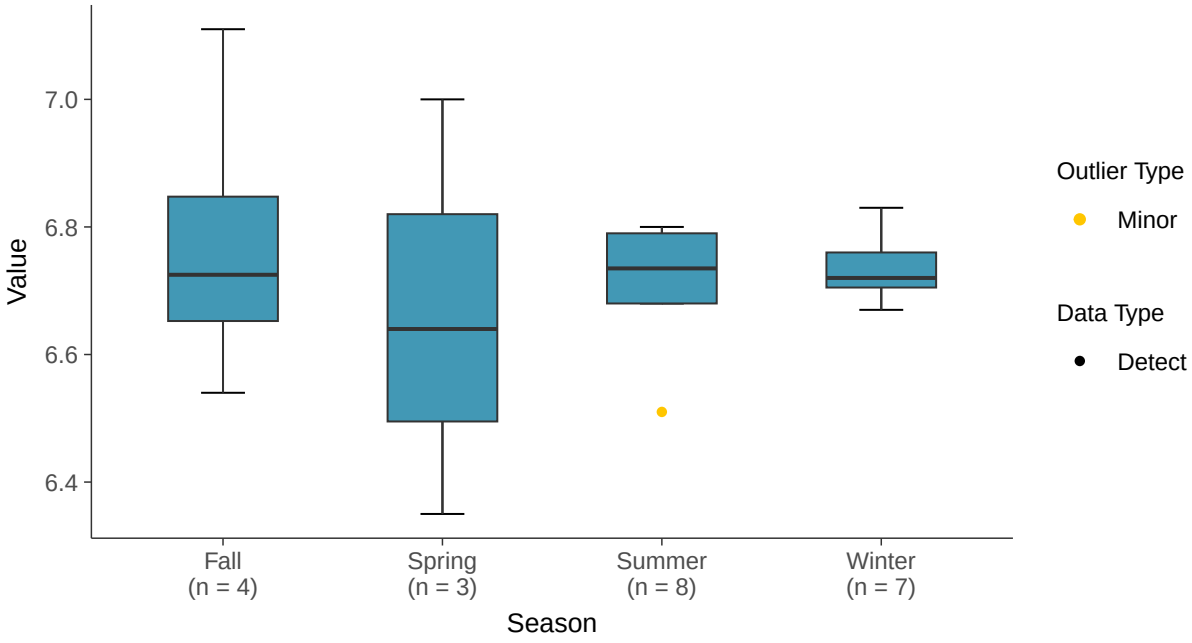
Boxplot

pH, Field, MW-6 (su)



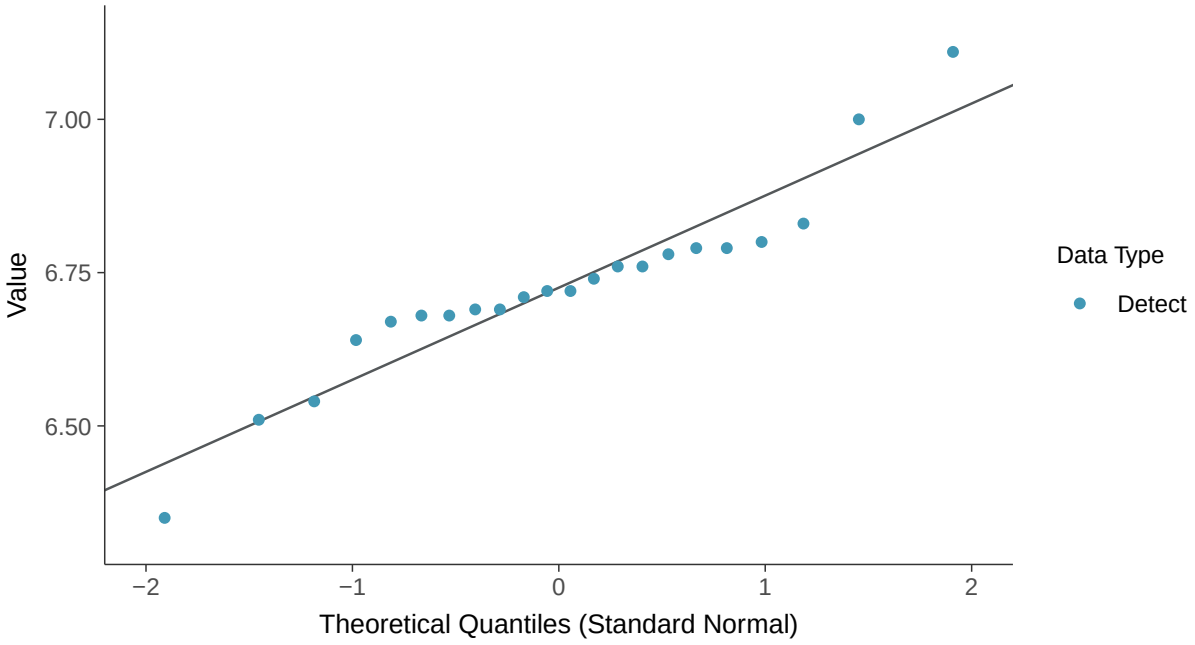
Boxplot by Season

pH, Field, MW-6 (su)



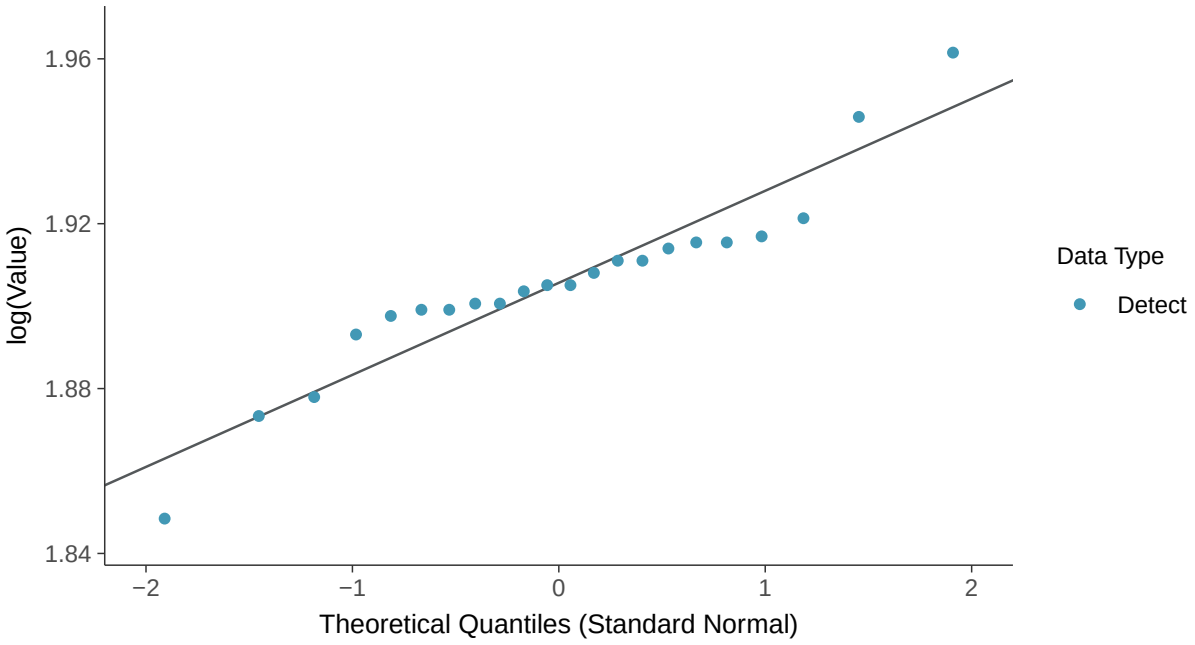
Normal Q-Q plot

pH, Field, MW-6 (su)



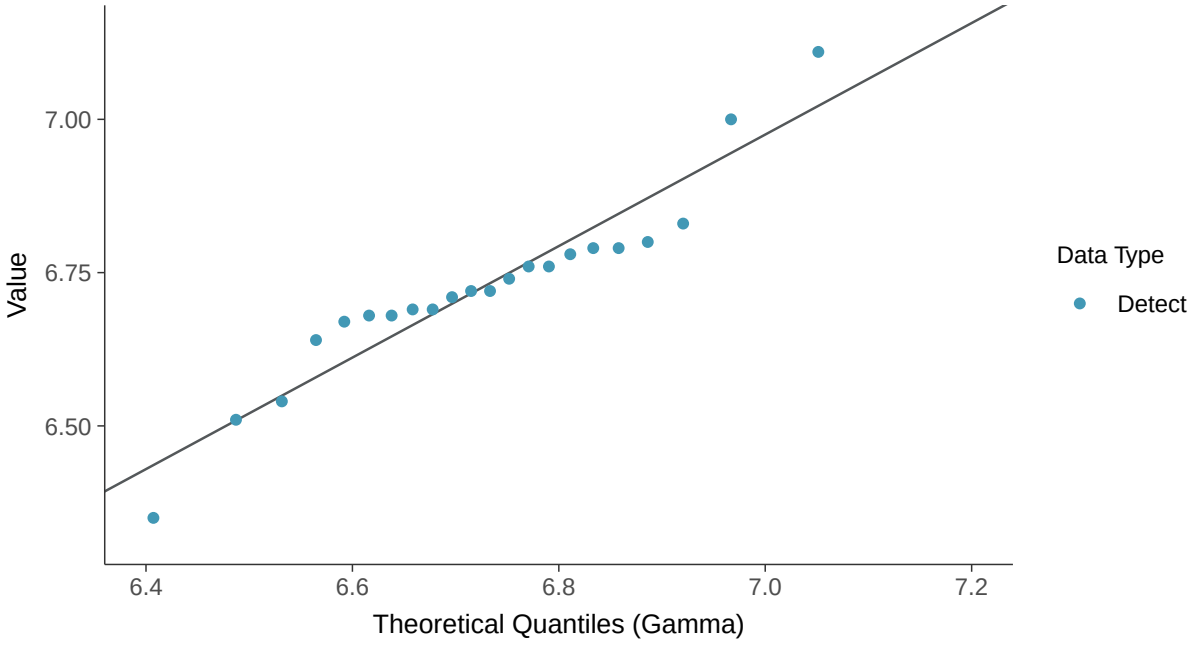
Lognormal Q-Q plot

pH, Field, MW-6 (su)



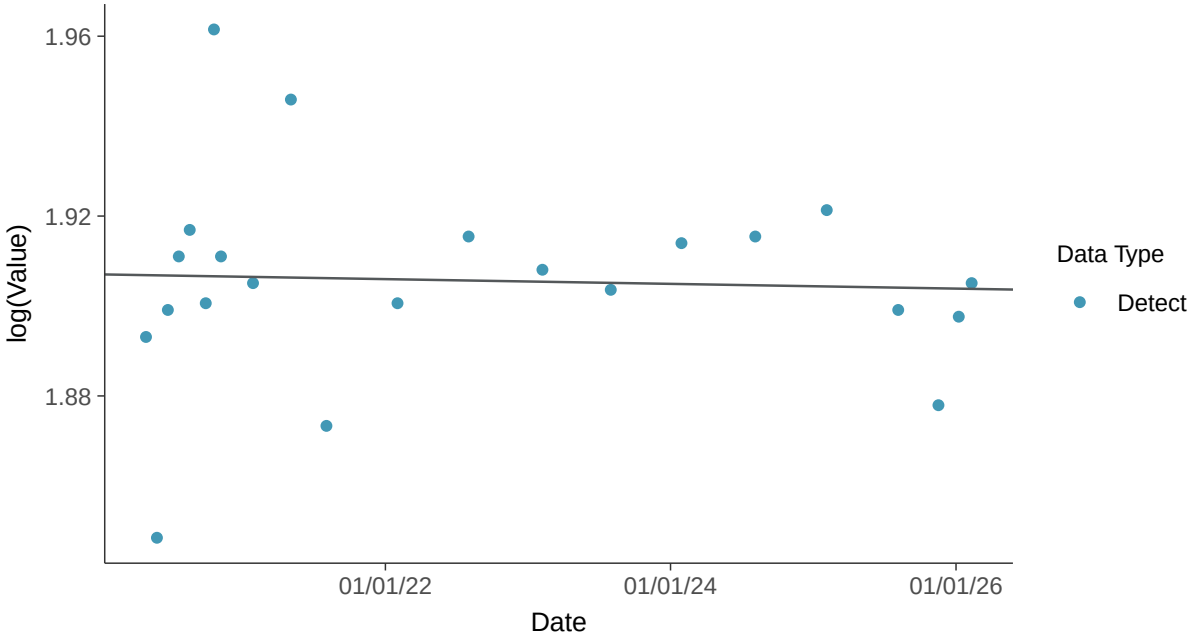
Gamma Q-Q plot

pH, Field, MW-6 (su)



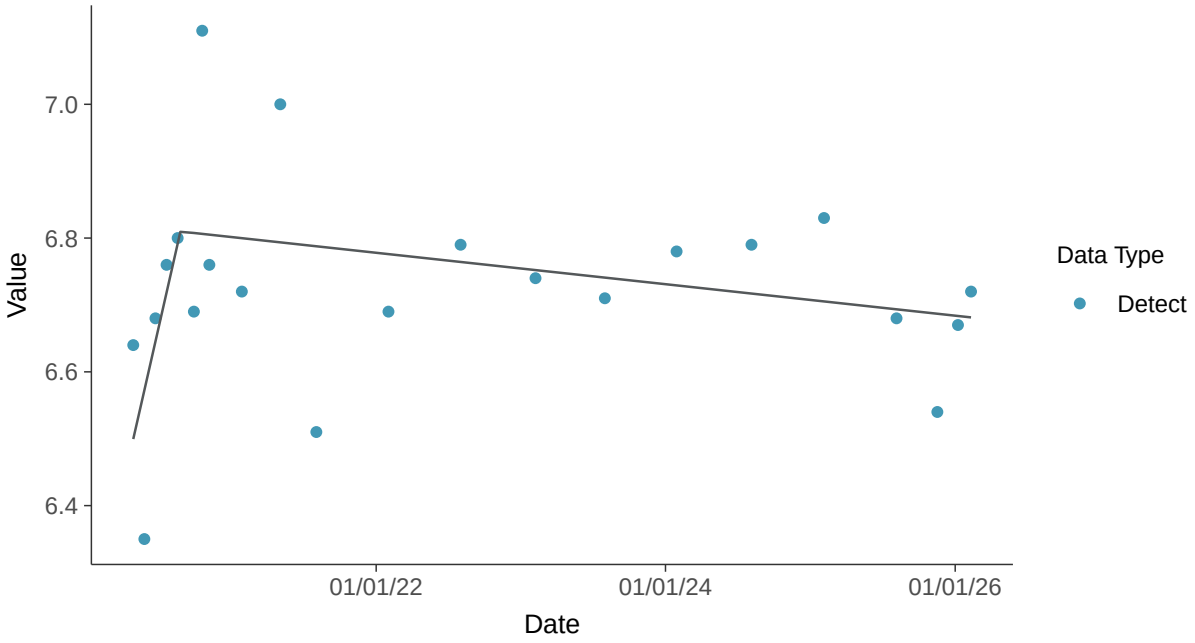
Trend Regression: Lognormal MLE

pH, Field, MW-6 (su)



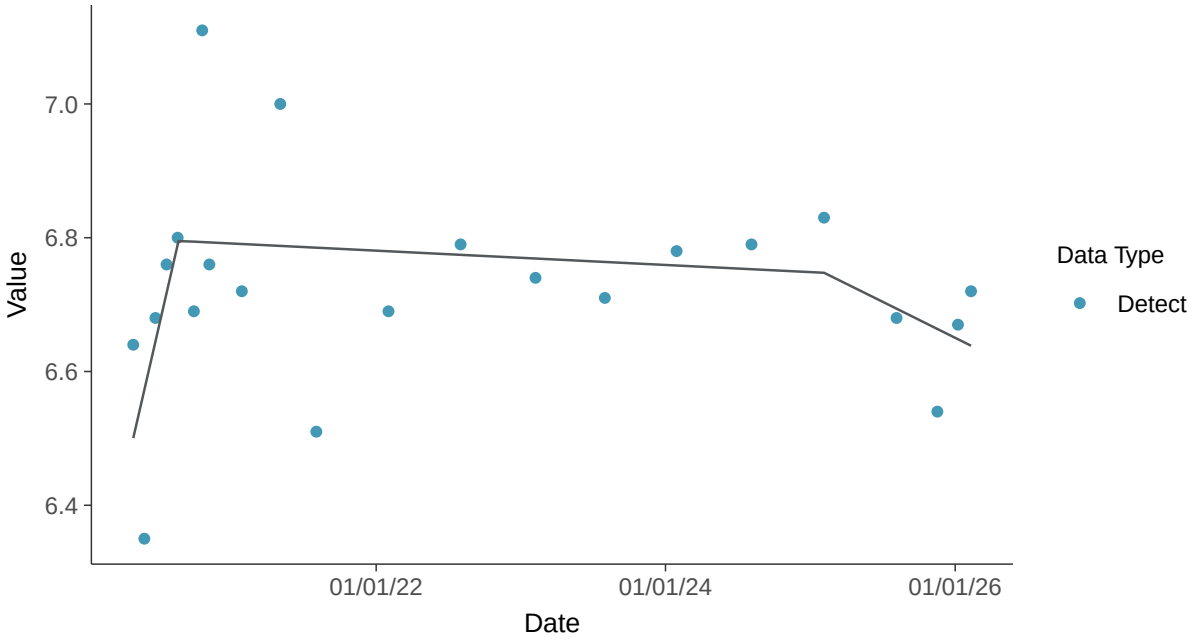
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-6 (su)



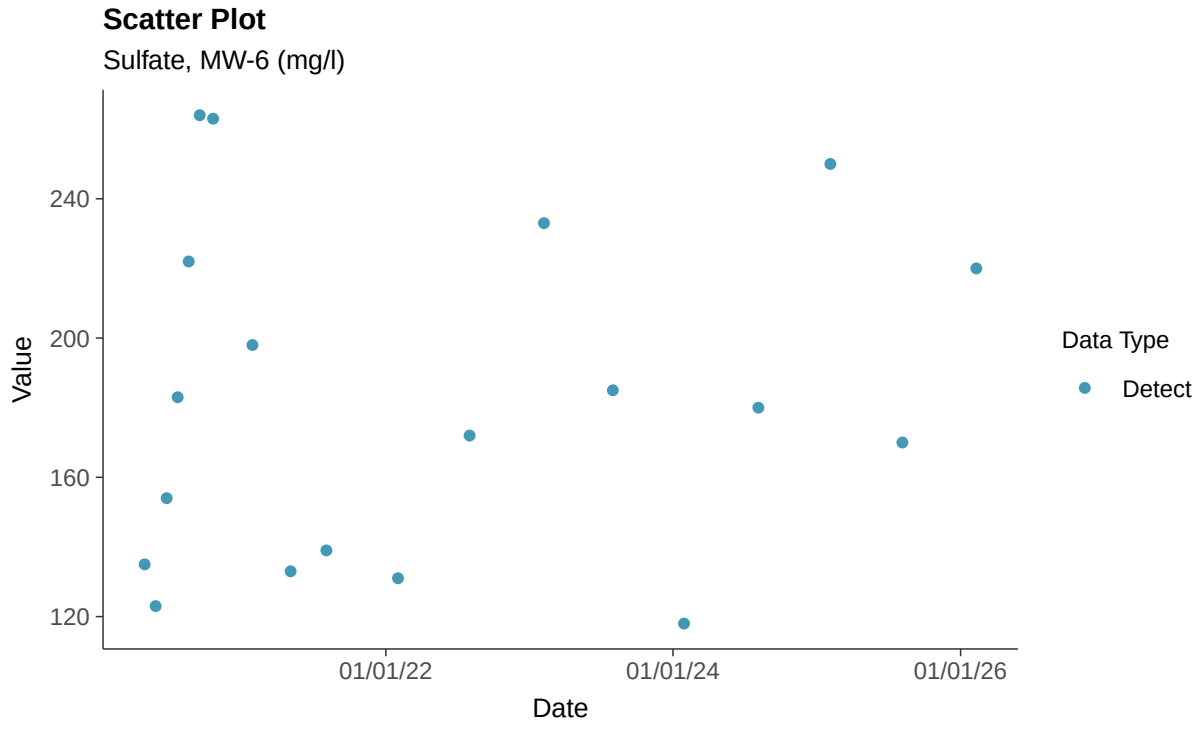
Trend Regression: Piecewise Linear-Linear-Linear

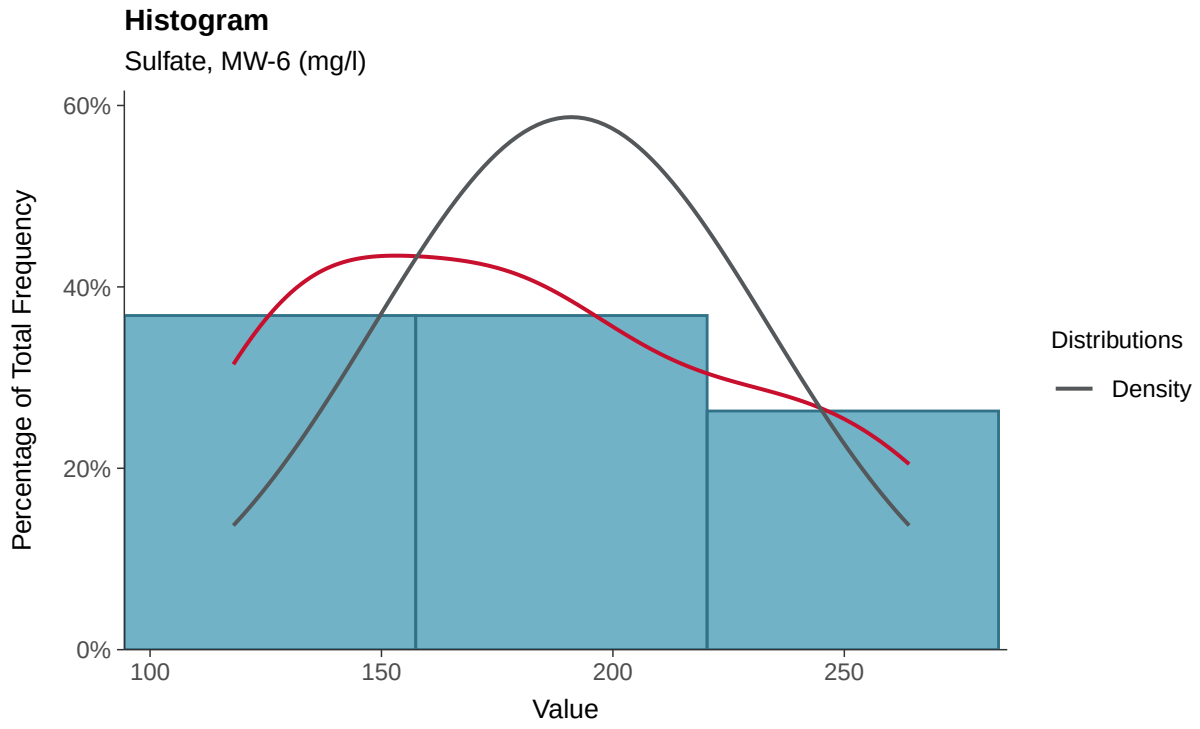
pH, Field, MW-6 (su)



Appendix III: Sulfate, MW-6

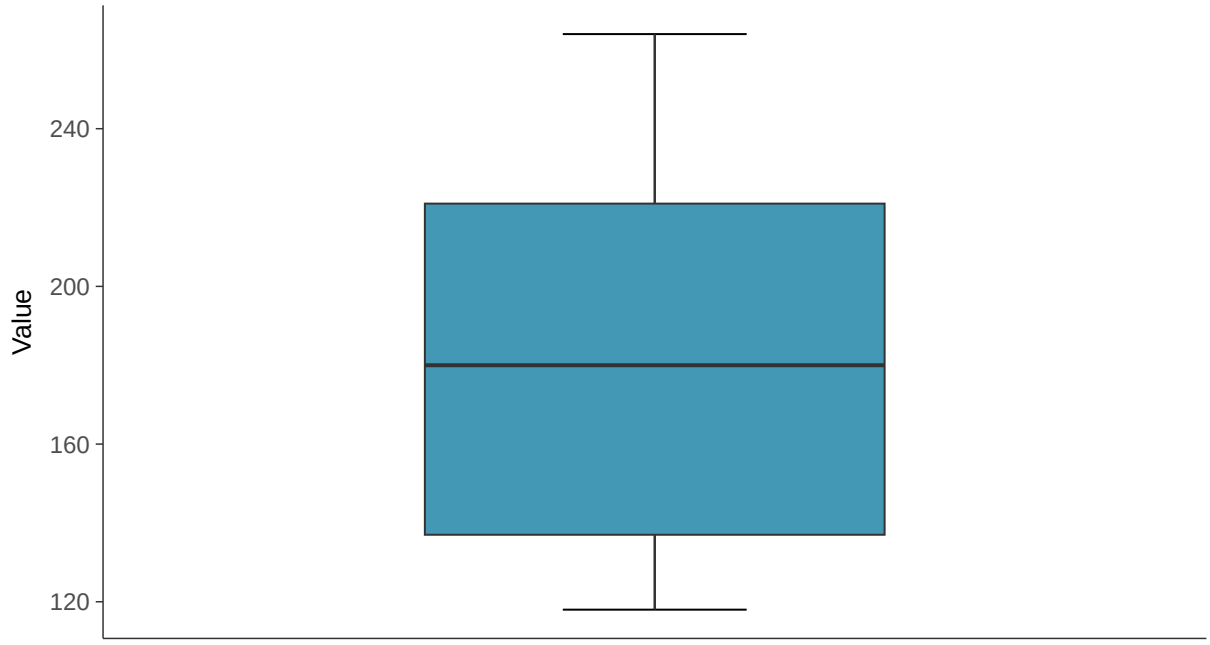
ID: 14_2_124





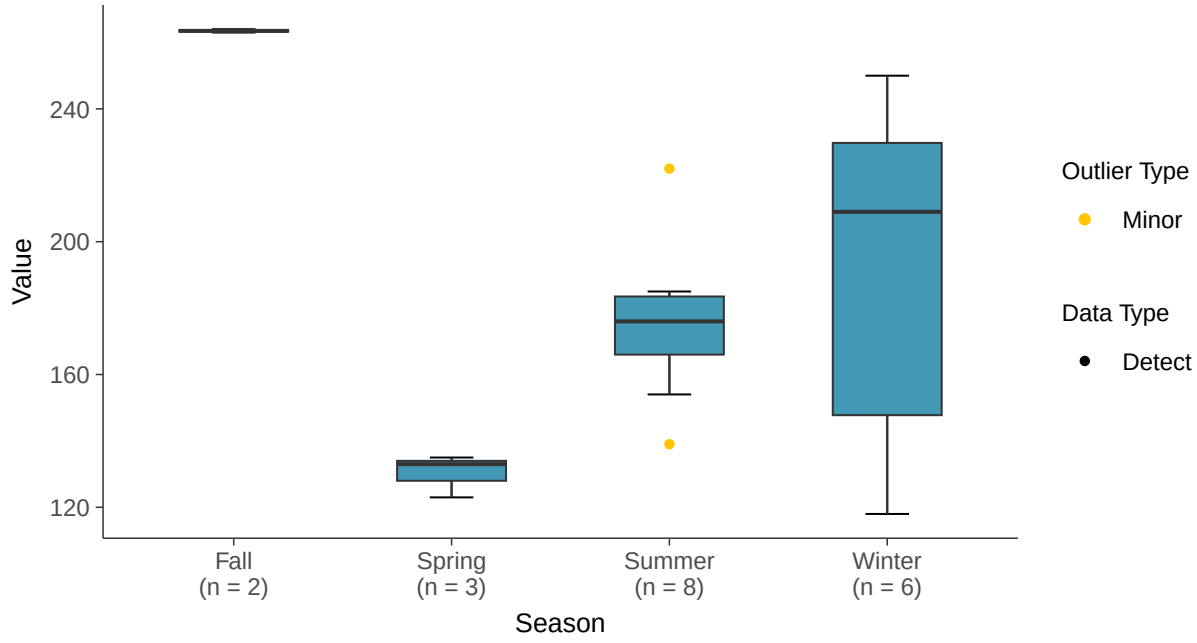
Boxplot

Sulfate, MW-6 (mg/l)



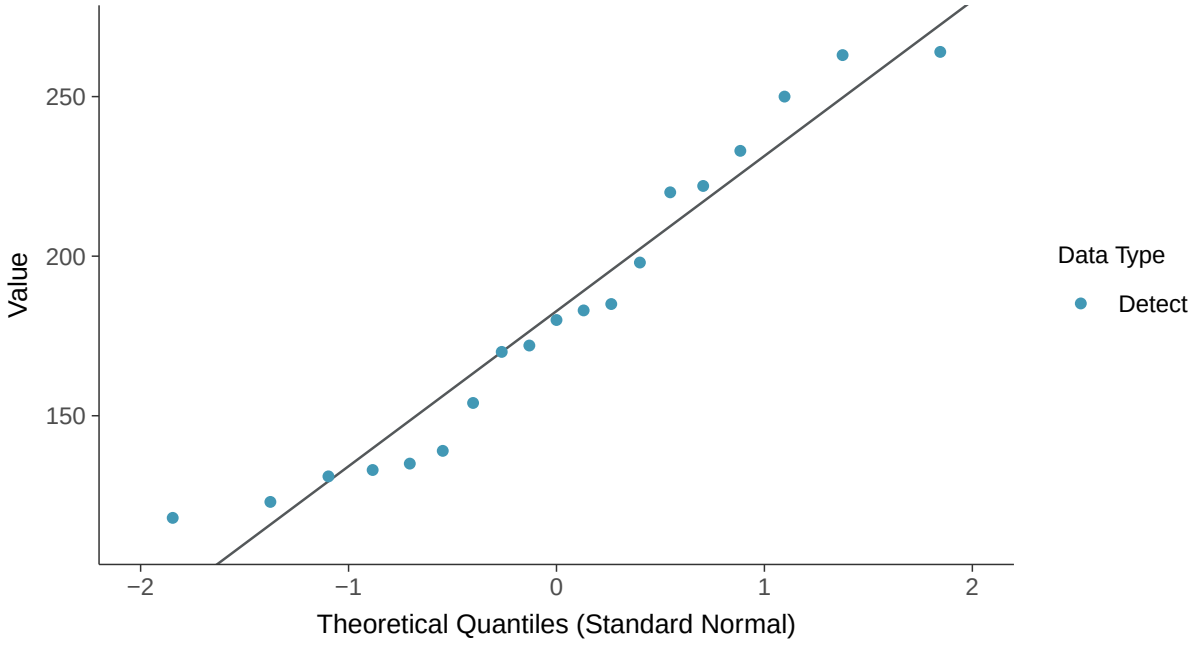
Boxplot by Season

Sulfate, MW-6 (mg/l)



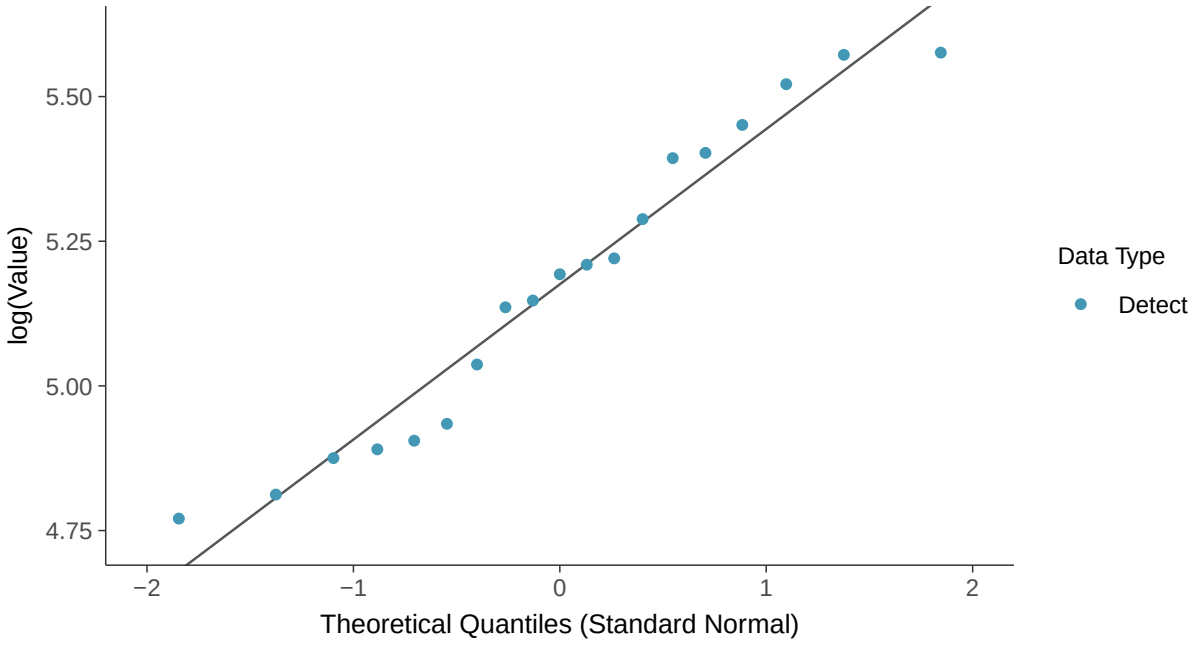
Normal Q-Q plot

Sulfate, MW-6 (mg/l)



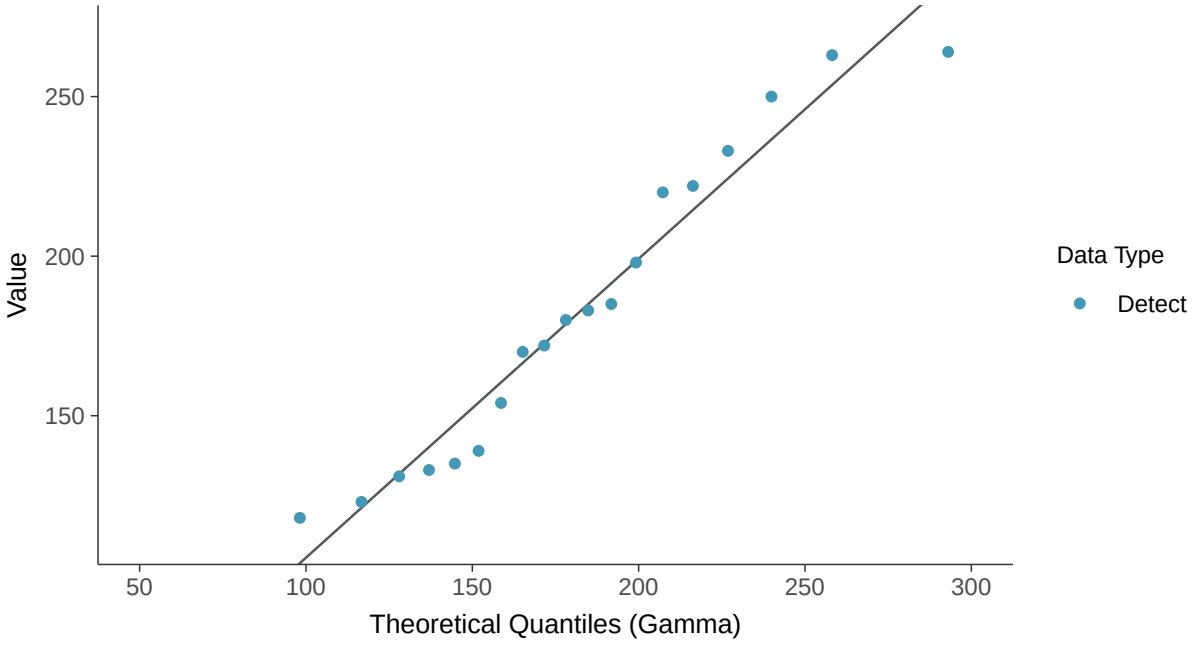
Lognormal Q-Q plot

Sulfate, MW-6 (mg/l)



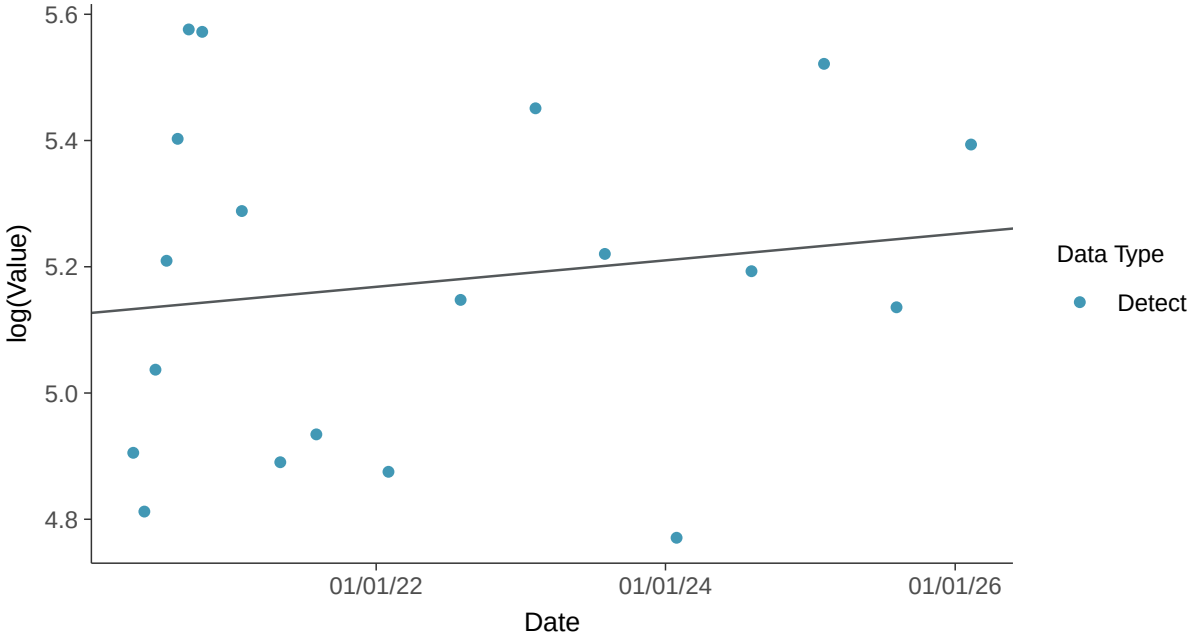
Gamma Q-Q plot

Sulfate, MW-6 (mg/l)



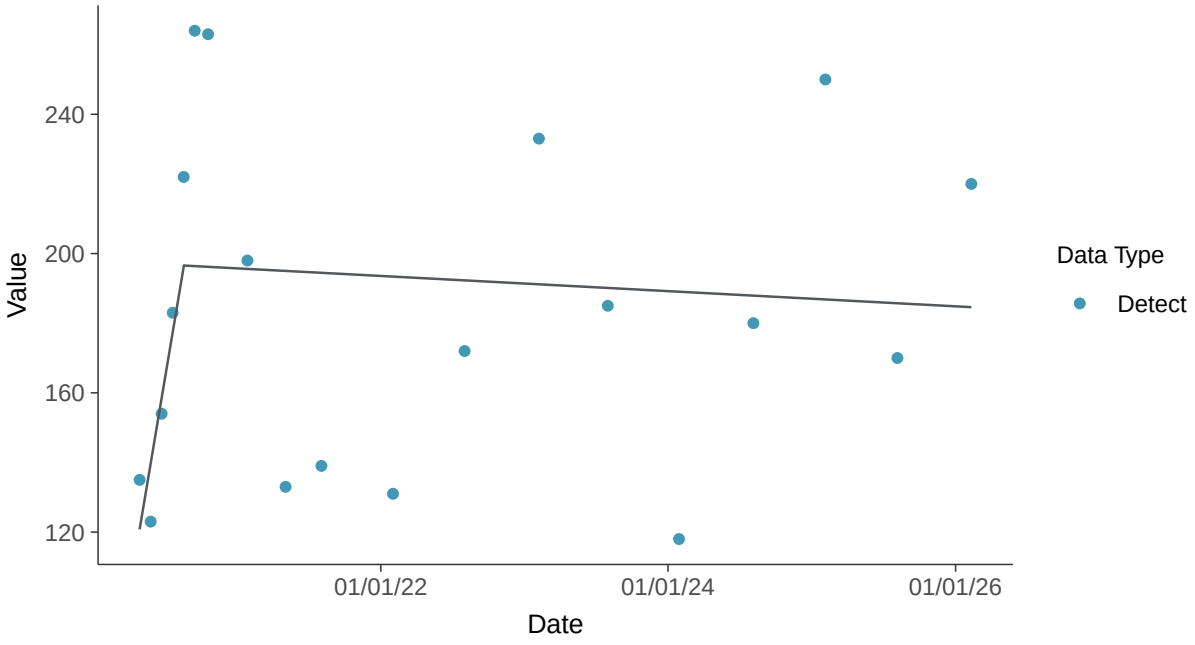
Trend Regression: Lognormal MLE

Sulfate, MW-6 (mg/l)



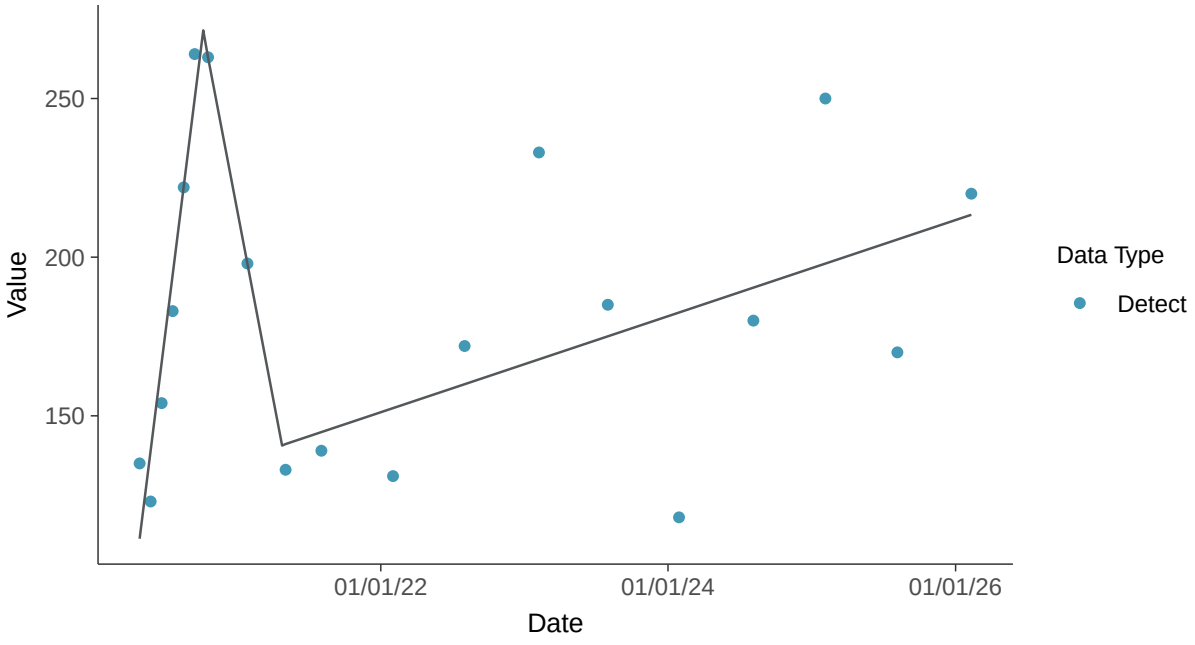
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-6 (mg/l)



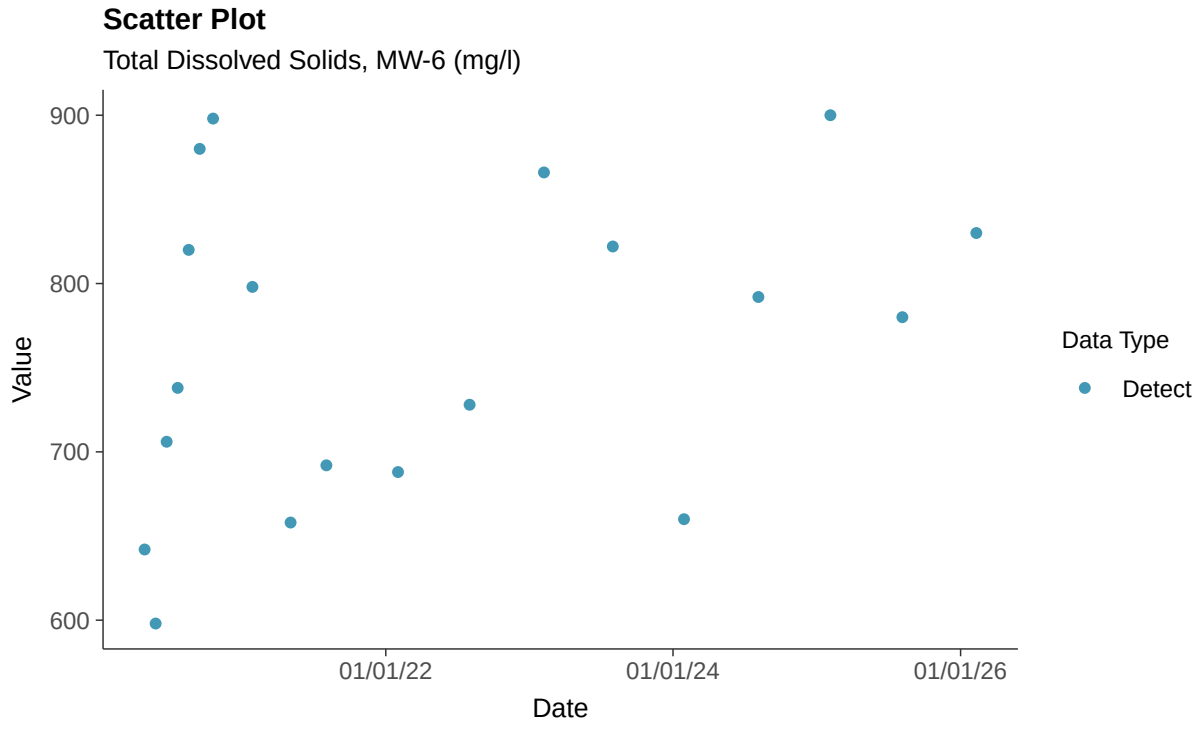
Trend Regression: Piecewise Linear-Linear-Linear

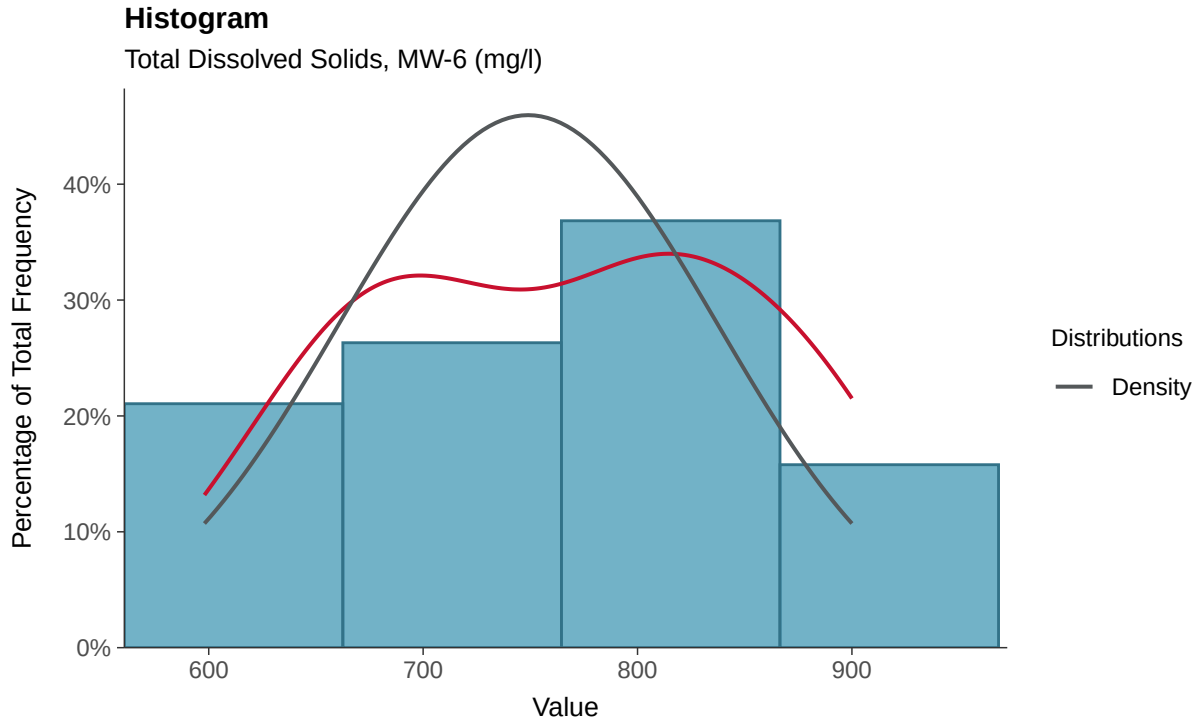
Sulfate, MW-6 (mg/l)



Appendix III: Total Dissolved Solids, MW-6

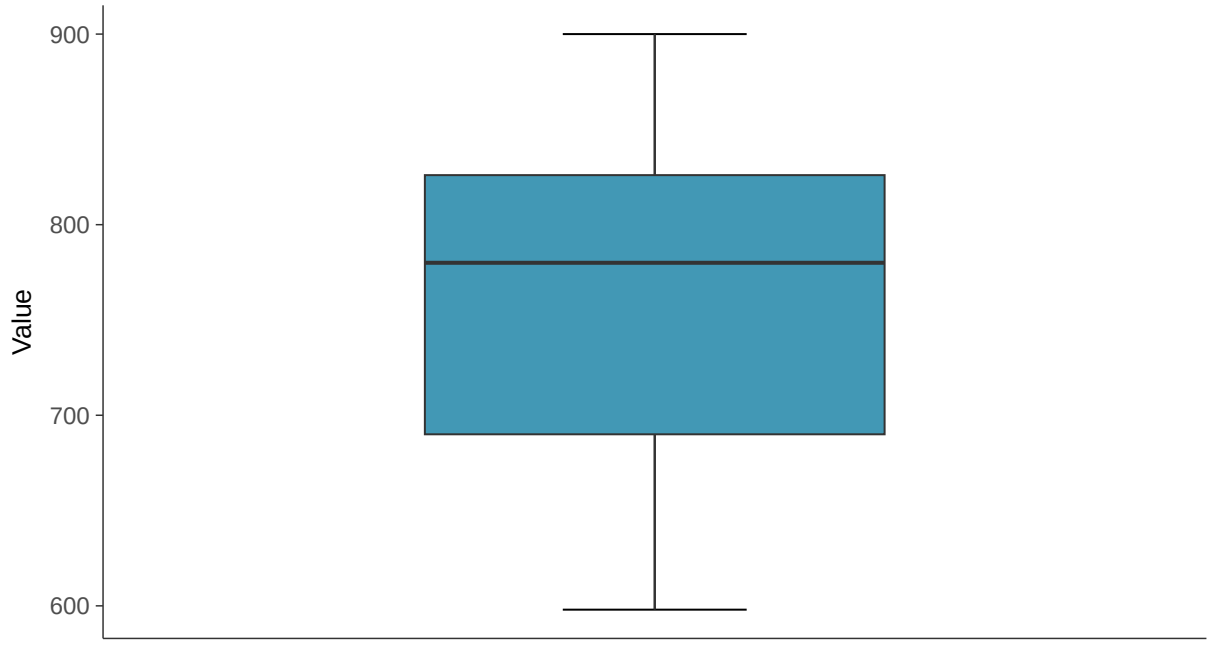
ID: 14_2_126





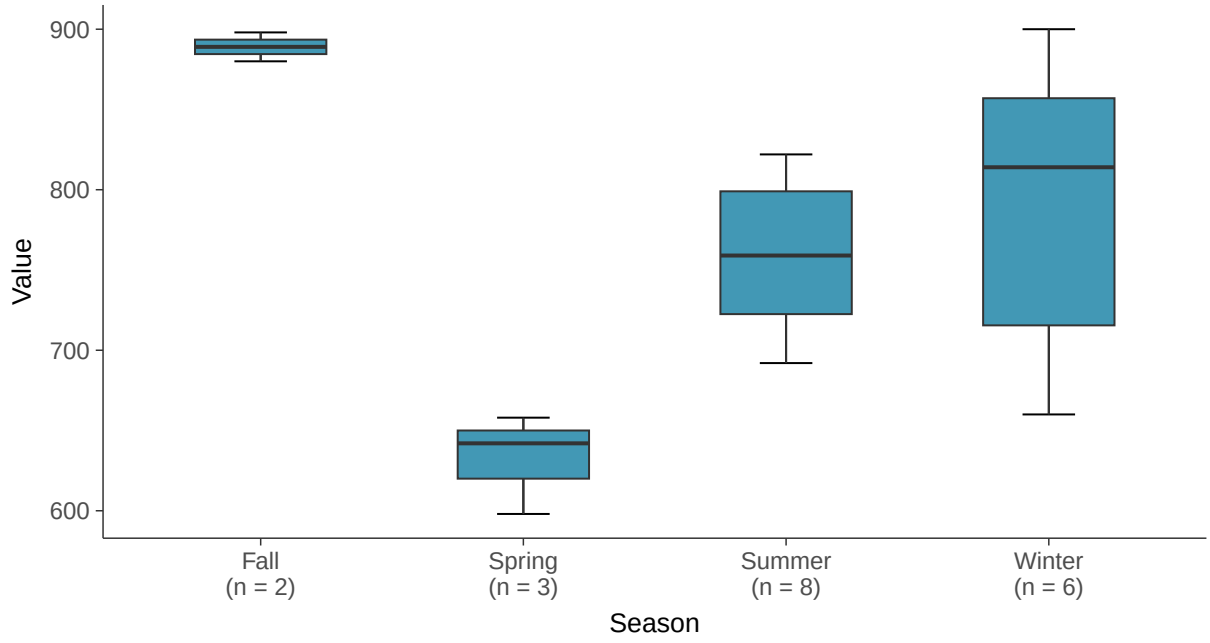
Boxplot

Total Dissolved Solids, MW-6 (mg/l)



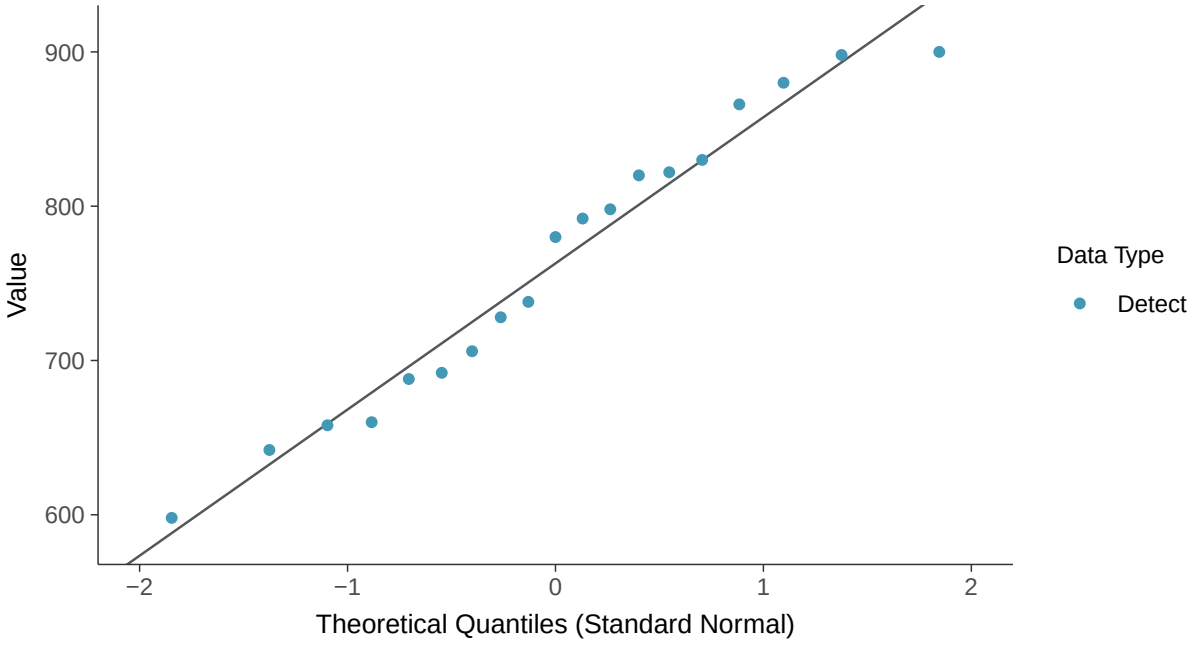
Boxplot by Season

Total Dissolved Solids, MW-6 (mg/l)



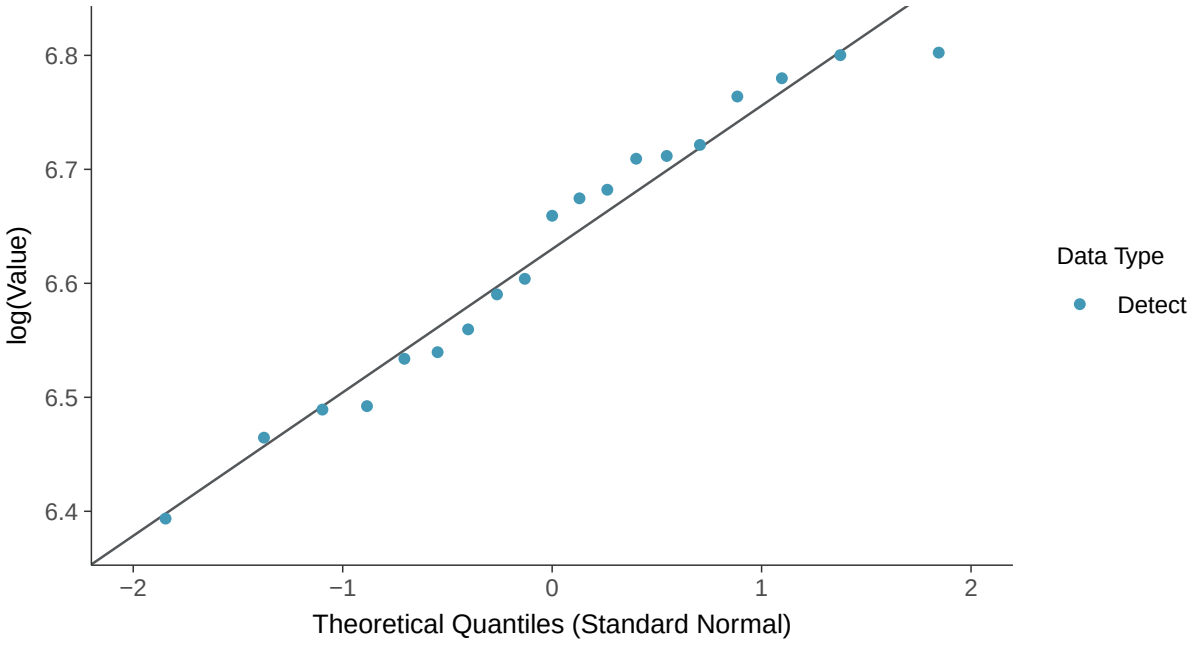
Normal Q-Q plot

Total Dissolved Solids, MW-6 (mg/l)



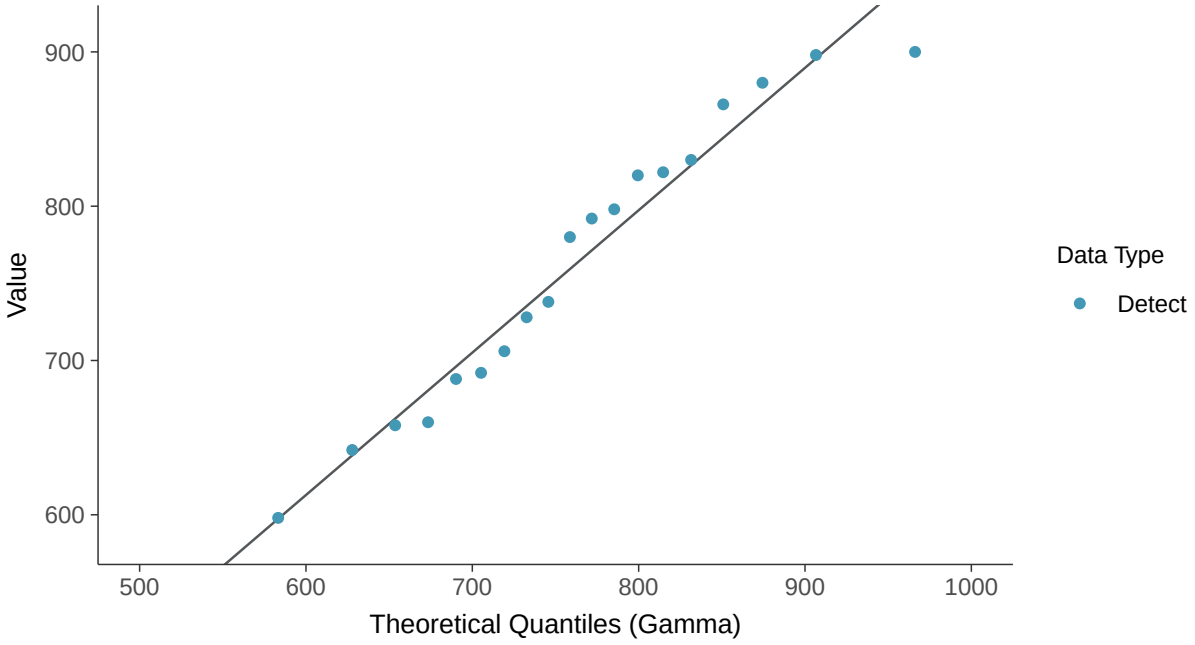
Lognormal Q-Q plot

Total Dissolved Solids, MW-6 (mg/l)



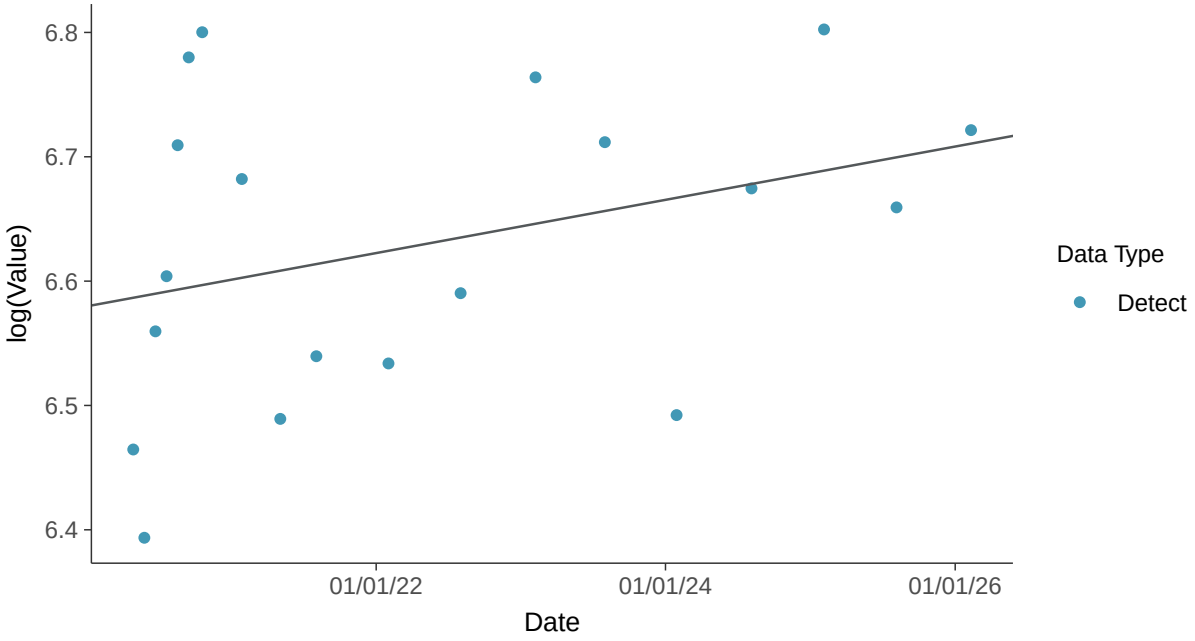
Gamma Q-Q plot

Total Dissolved Solids, MW-6 (mg/l)



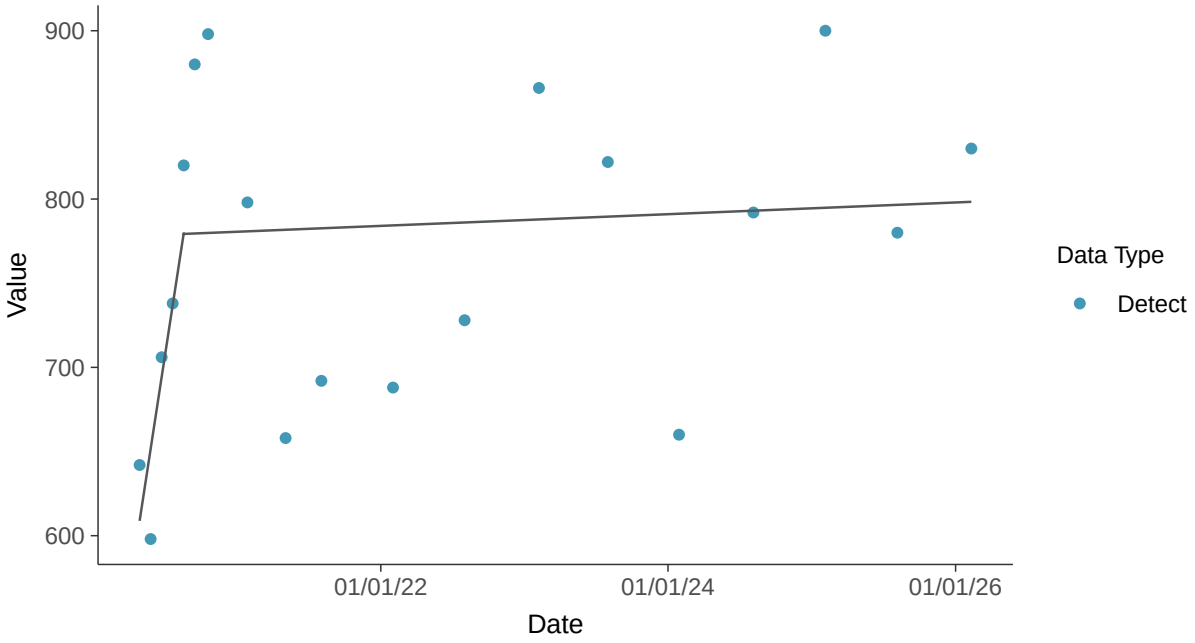
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-6 (mg/l)



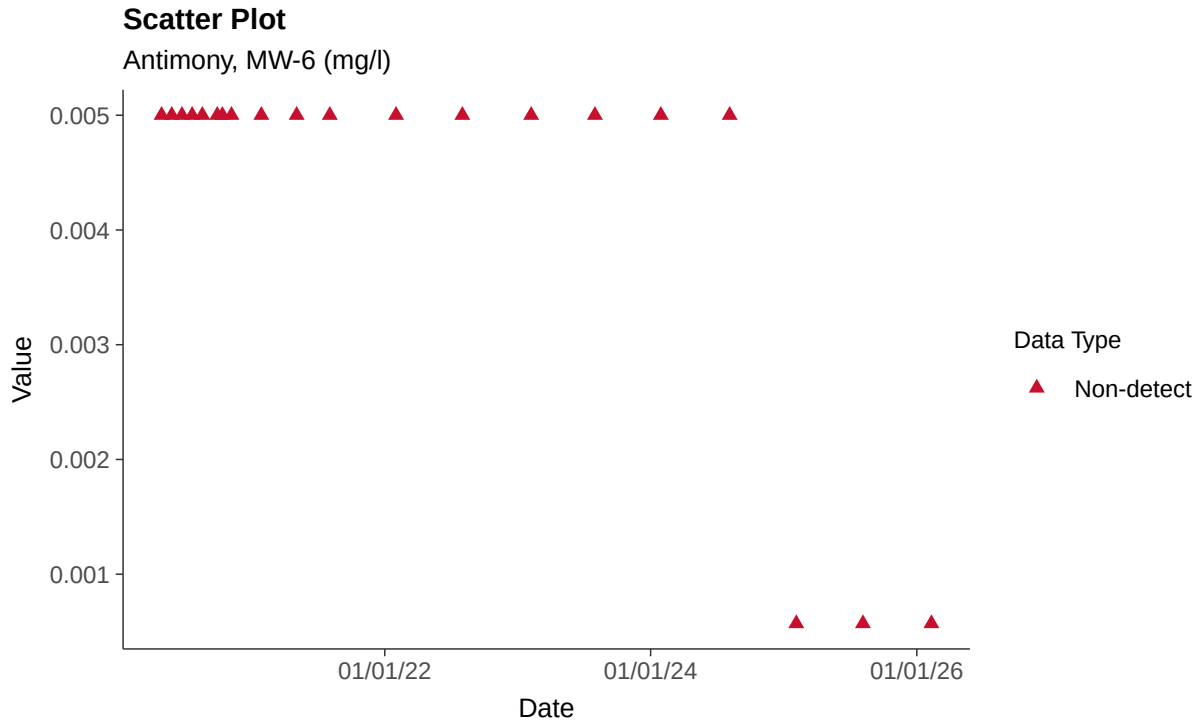
Trend Regression: Piecewise Linear-Linear

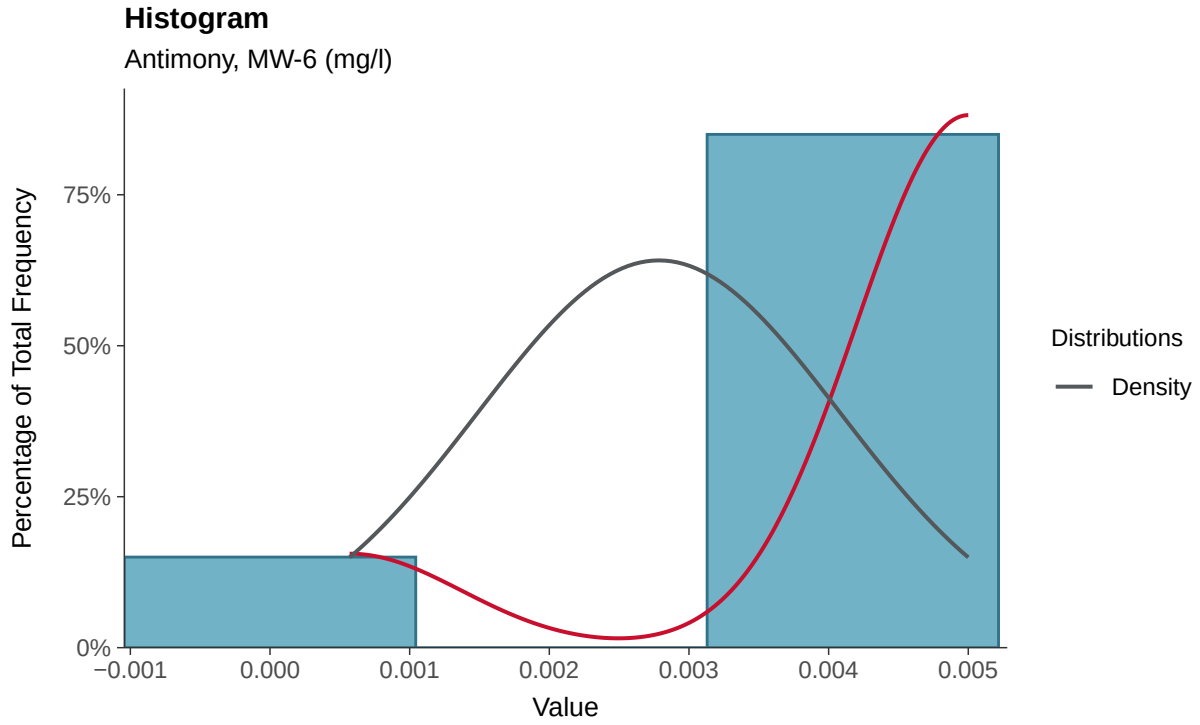
Total Dissolved Solids, MW-6 (mg/l)



Appendix IV: Antimony, MW-6

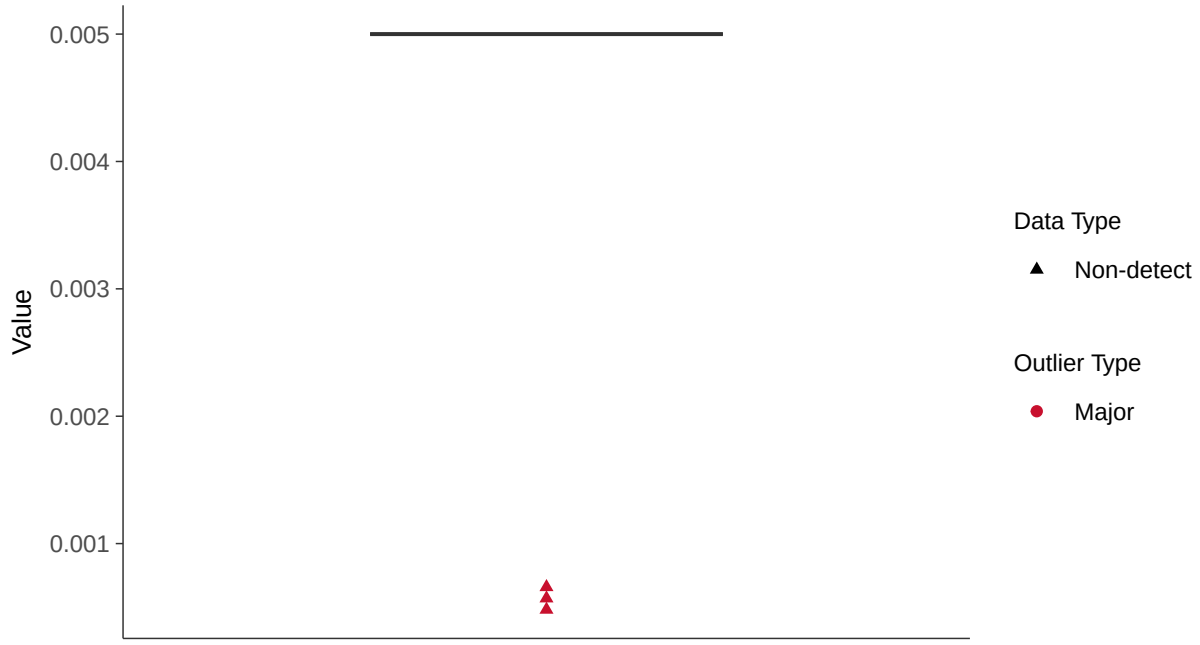
ID: 14_3_101





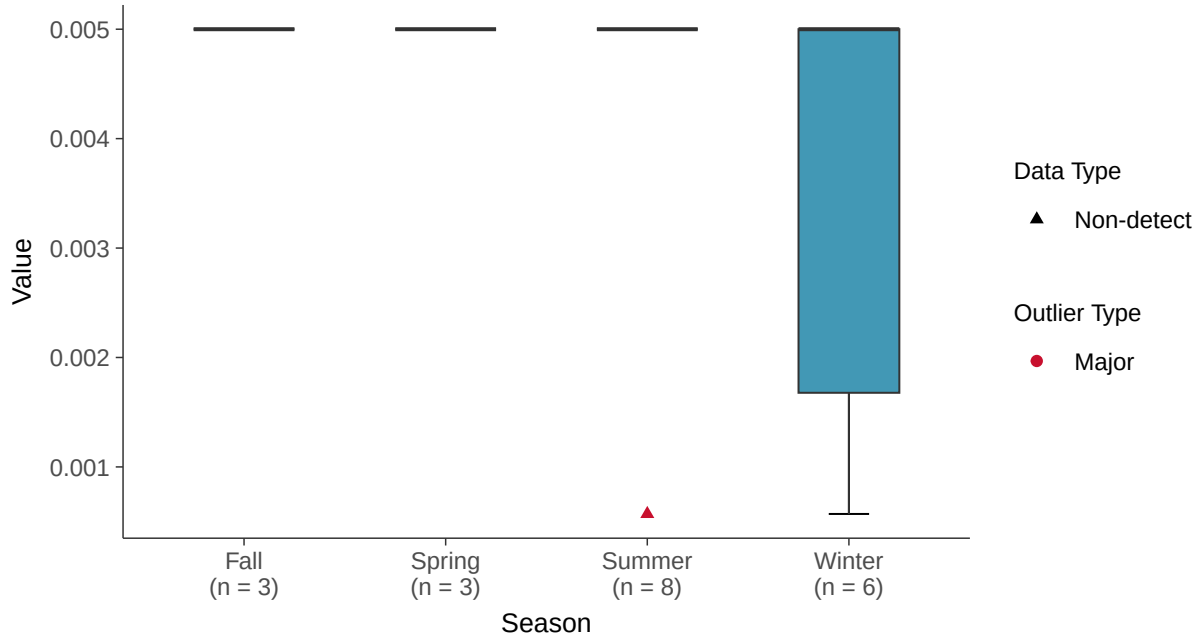
Boxplot

Antimony, MW-6 (mg/l)



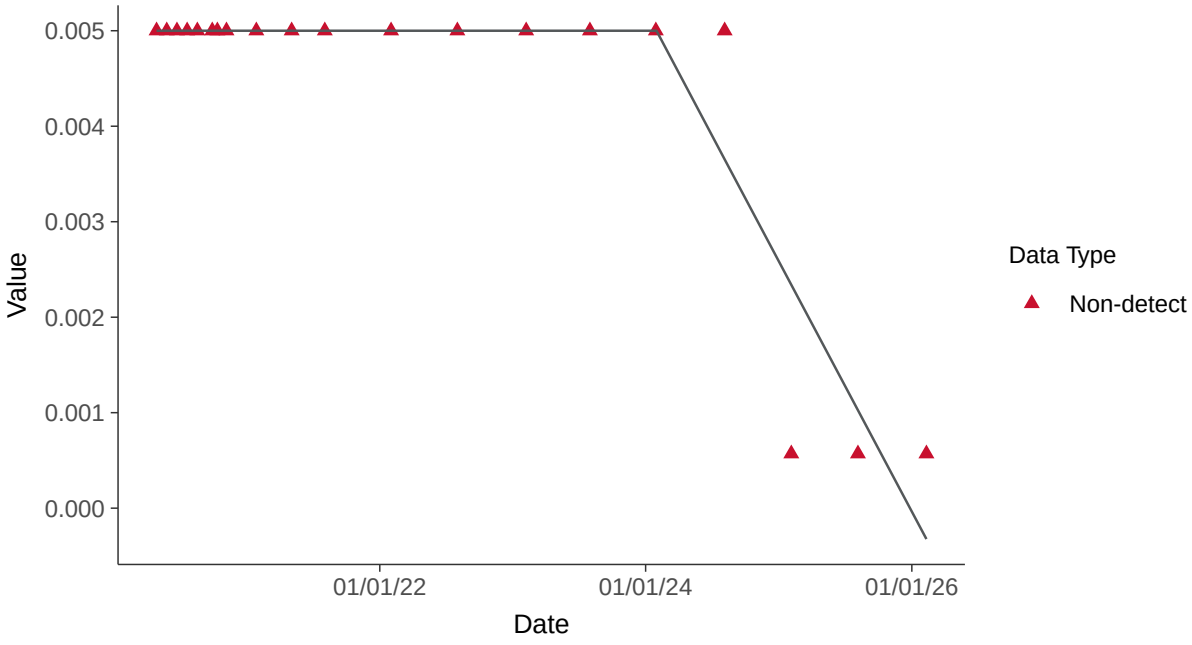
Boxplot by Season

Antimony, MW-6 (mg/l)



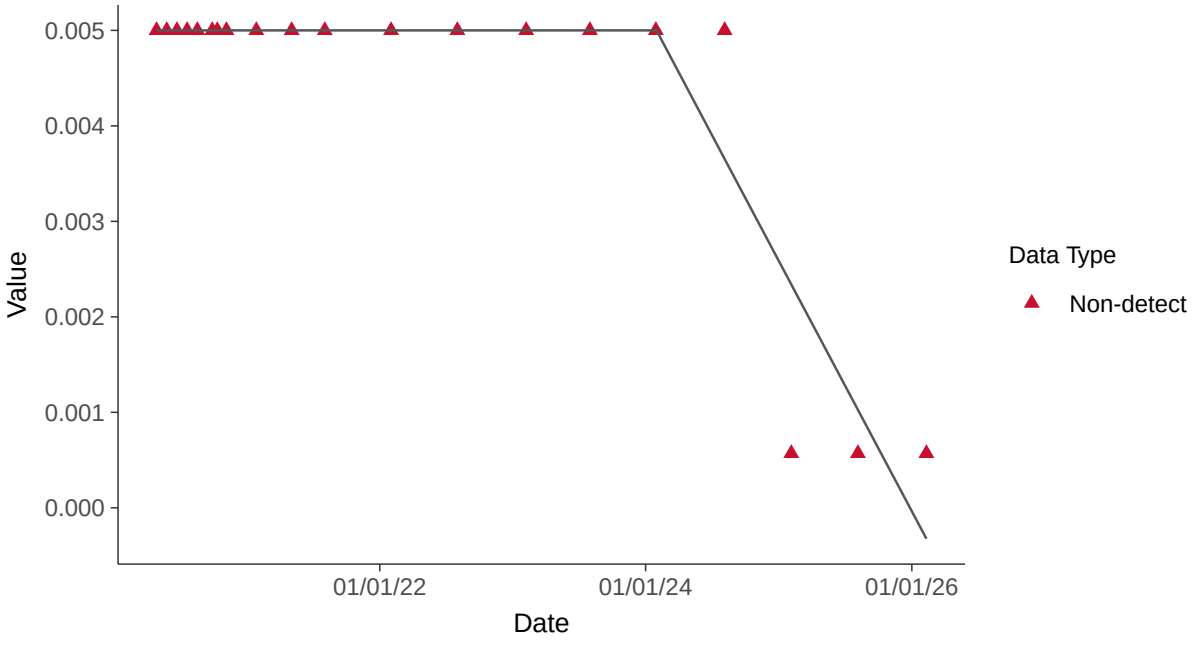
Trend Regression: Piecewise Linear-Linear

Antimony, MW-6 (mg/l)



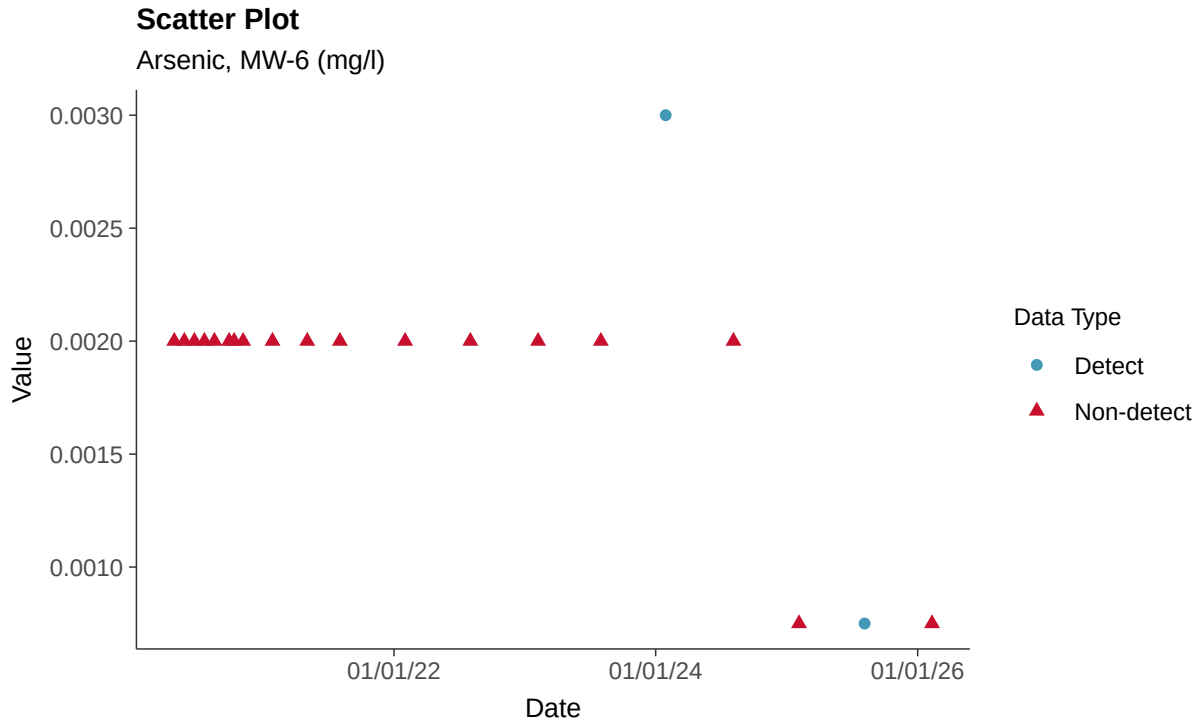
Trend Regression: Piecewise Linear-Linear-Linear

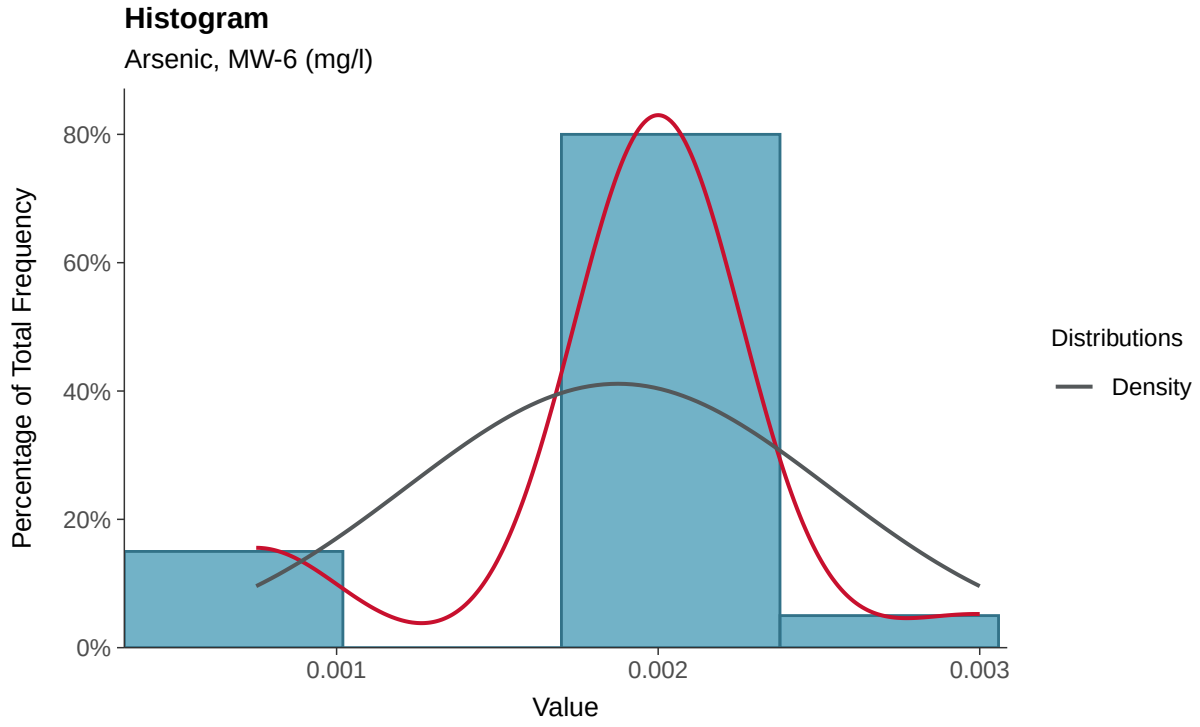
Antimony, MW-6 (mg/l)



Appendix IV: Arsenic, MW-6

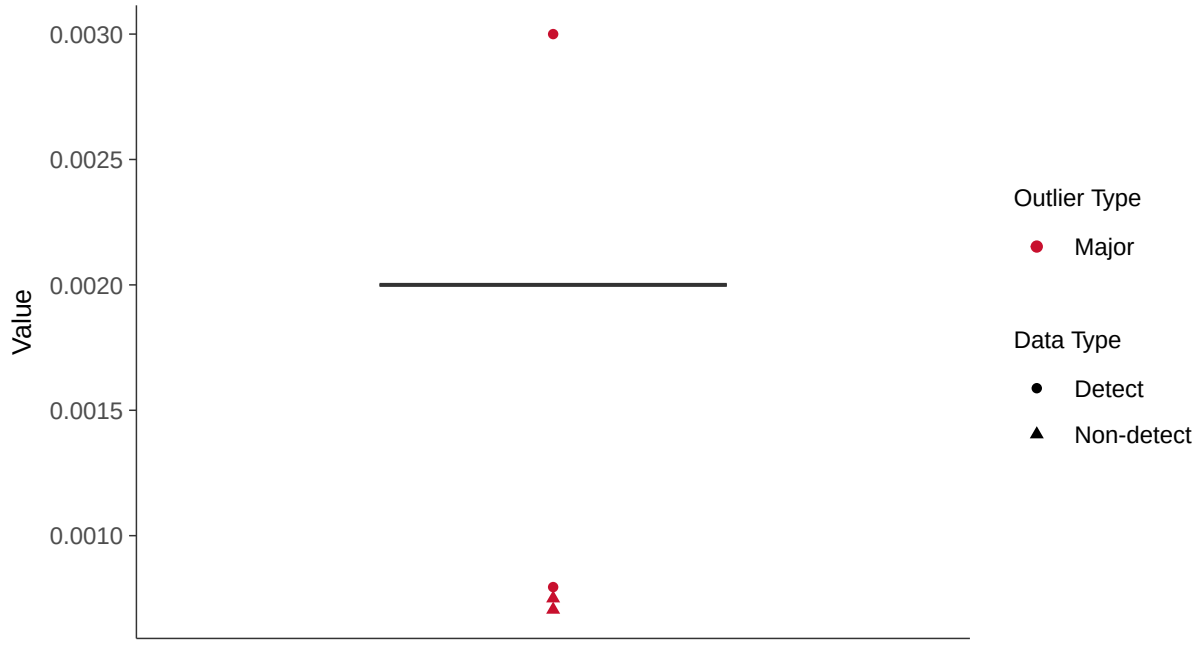
ID: 14_3_102





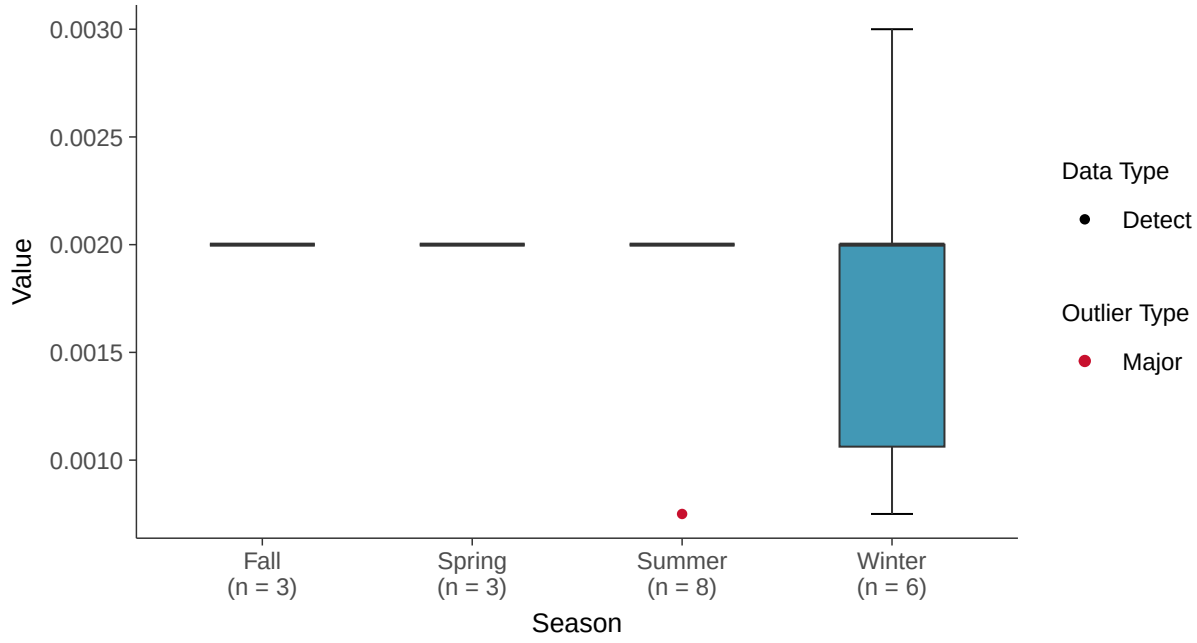
Boxplot

Arsenic, MW-6 (mg/l)



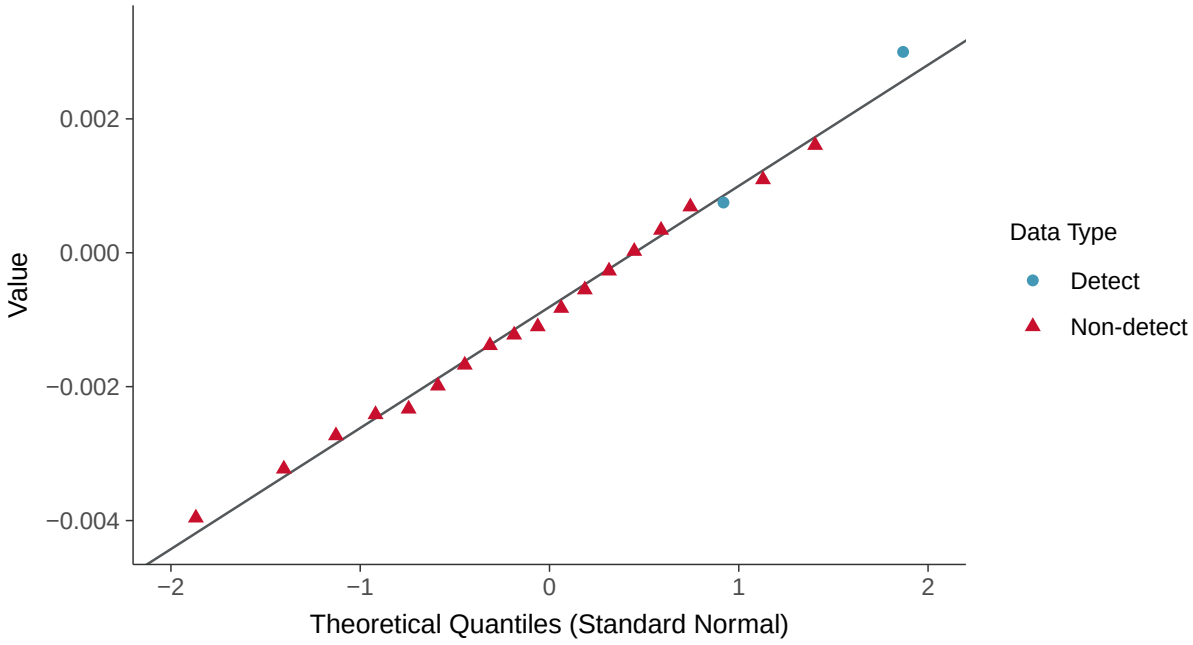
Boxplot by Season

Arsenic, MW-6 (mg/l)



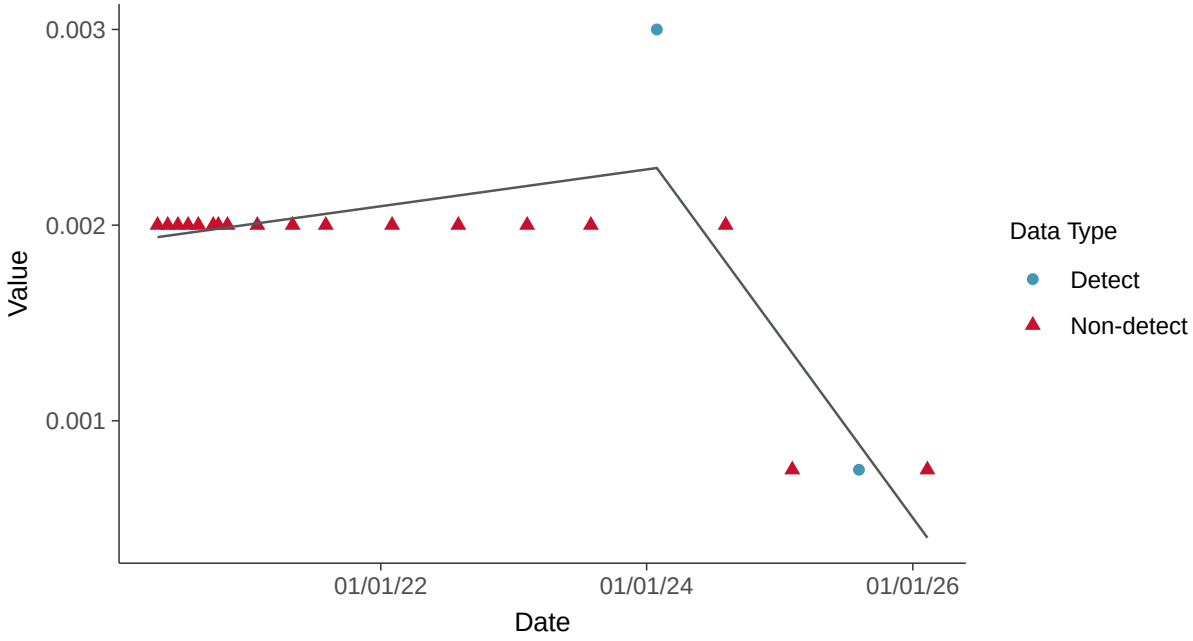
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-6 (mg/l)



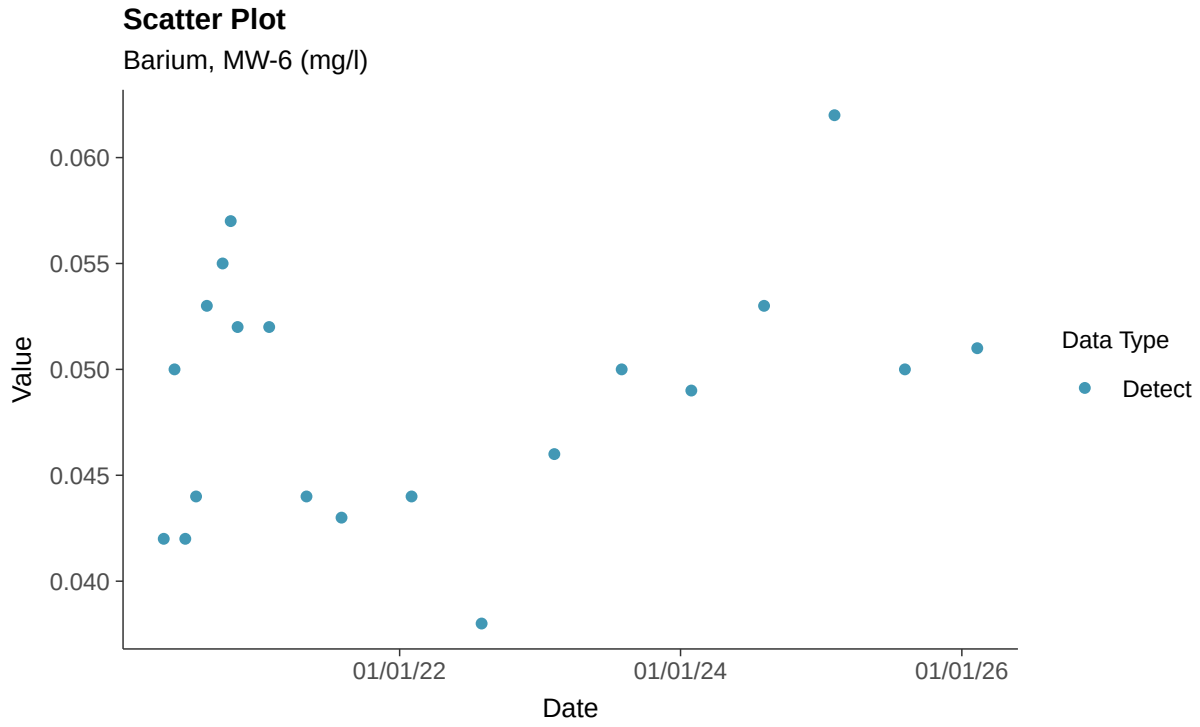
Trend Regression: Piecewise Linear-Linear

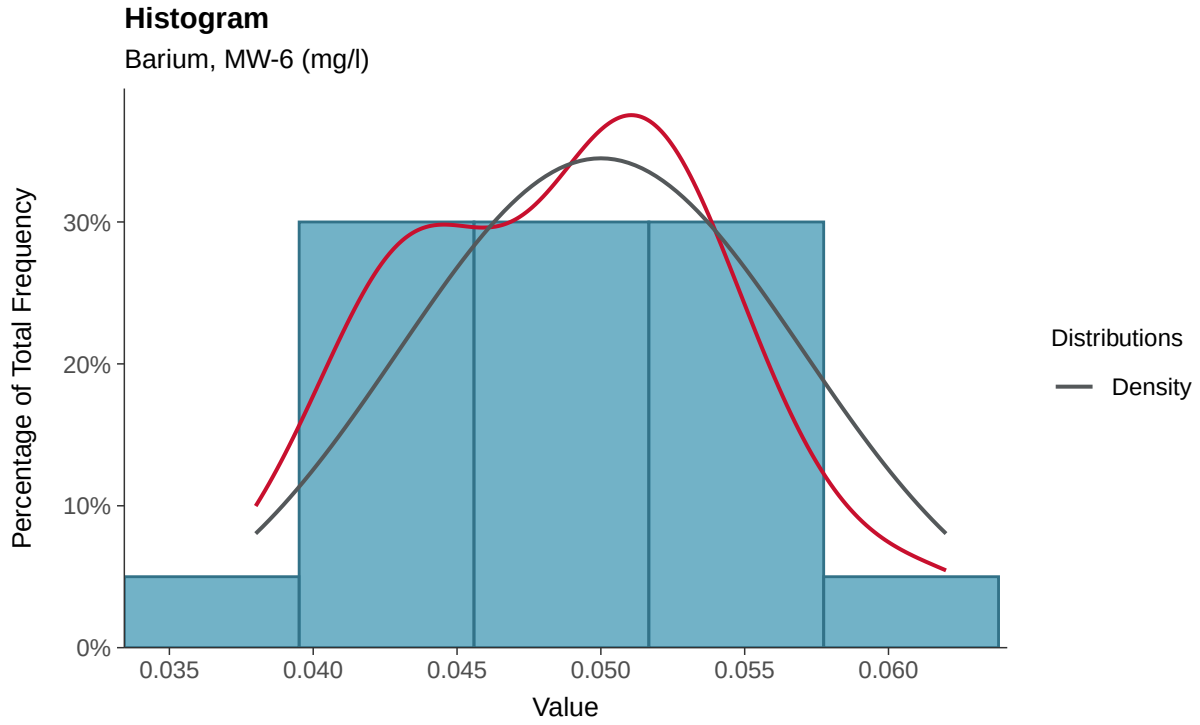
Arsenic, MW-6 (mg/l)



Appendix IV: Barium, MW-6

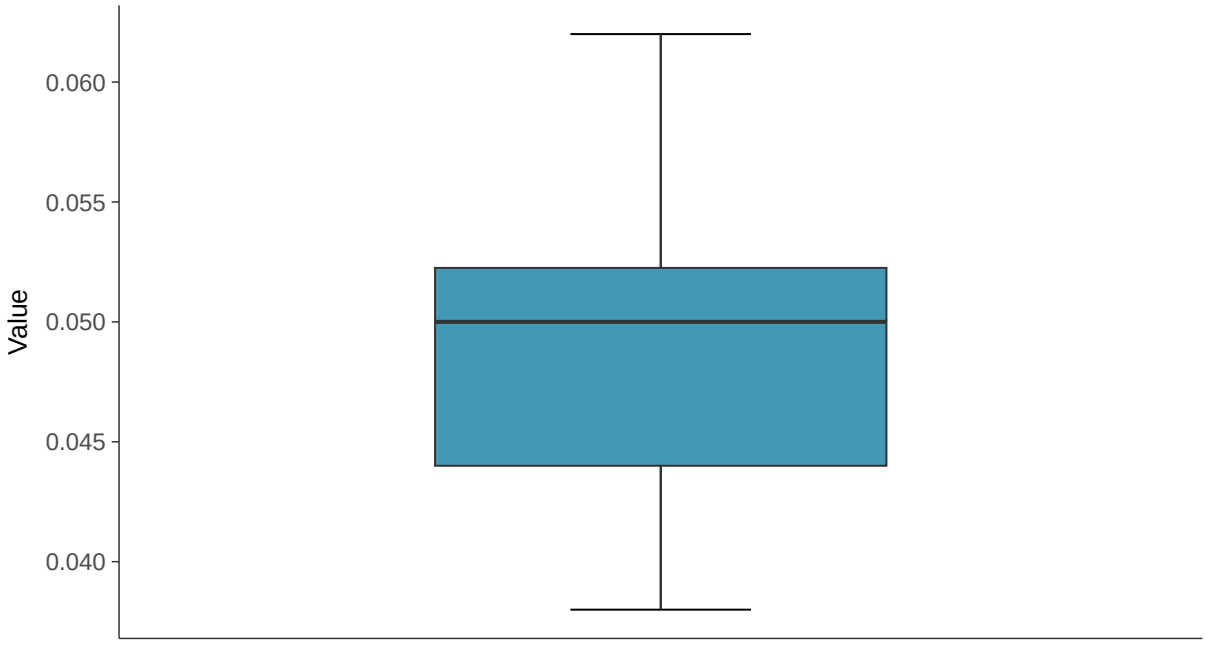
ID: 14_3_103





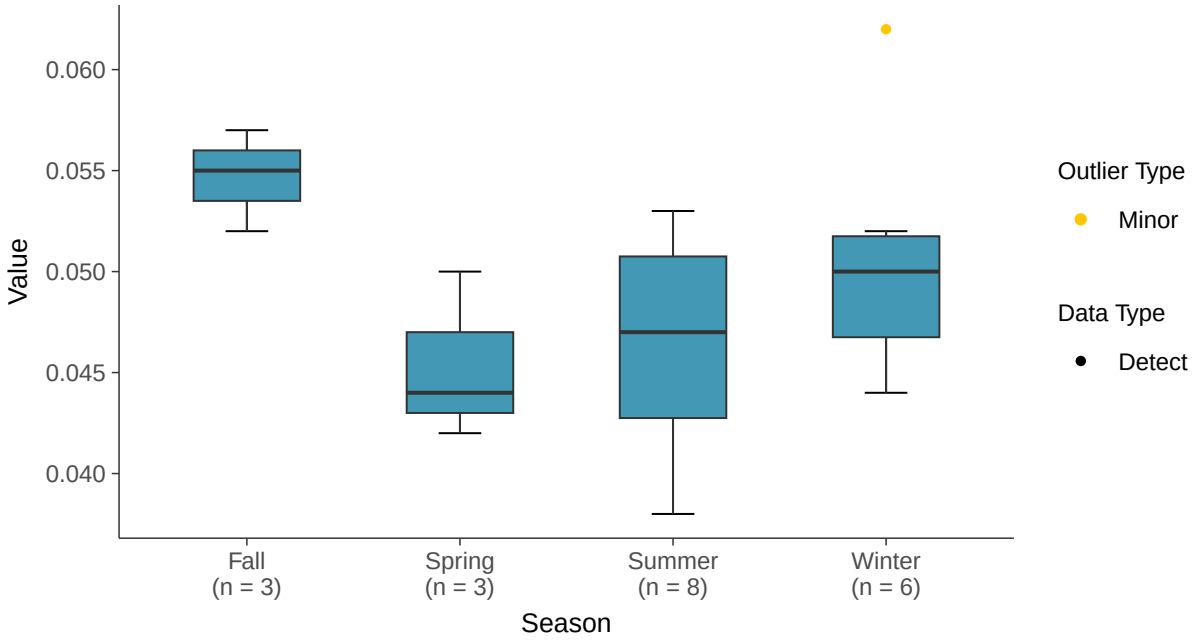
Boxplot

Barium, MW-6 (mg/l)



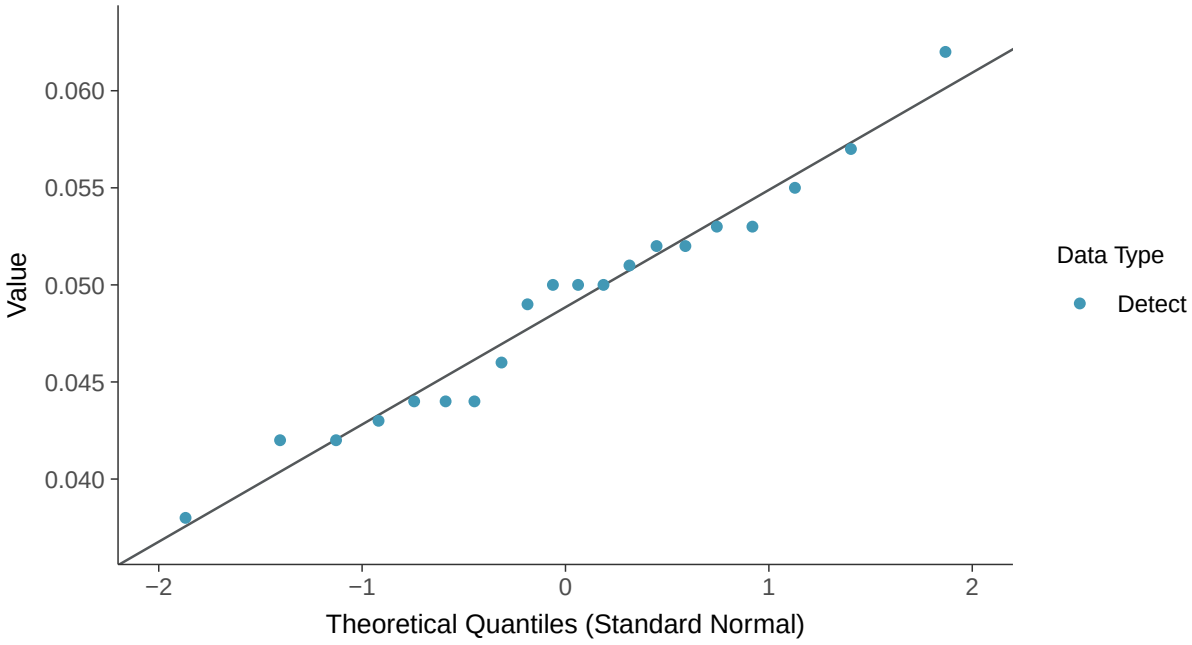
Boxplot by Season

Barium, MW-6 (mg/l)



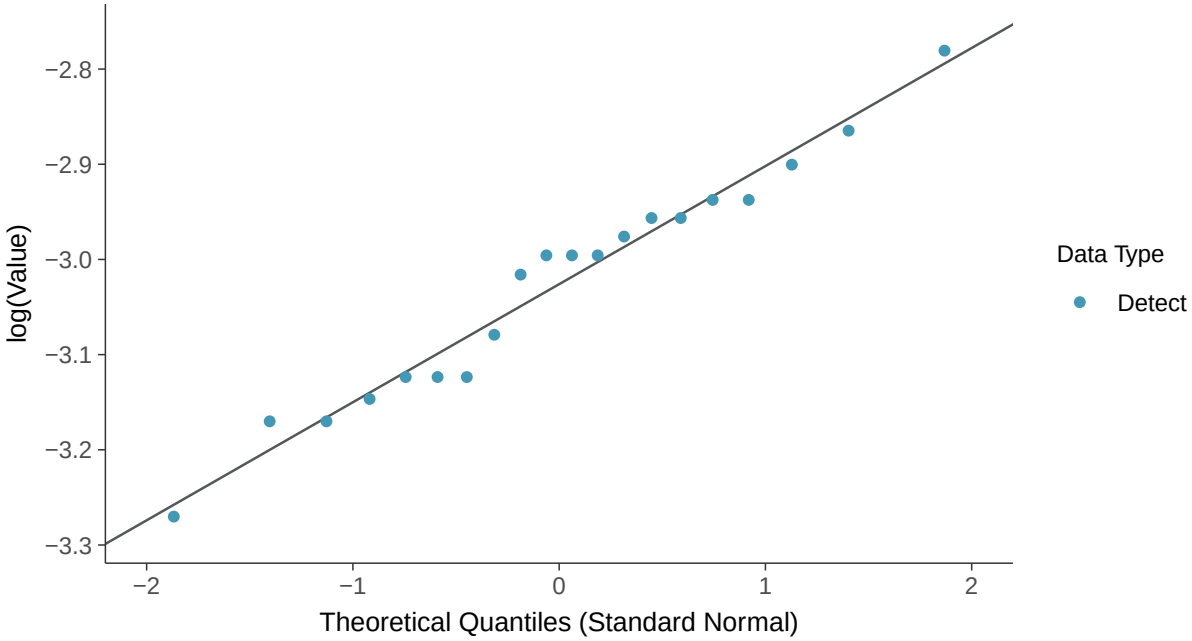
Normal Q-Q plot

Barium, MW-6 (mg/l)



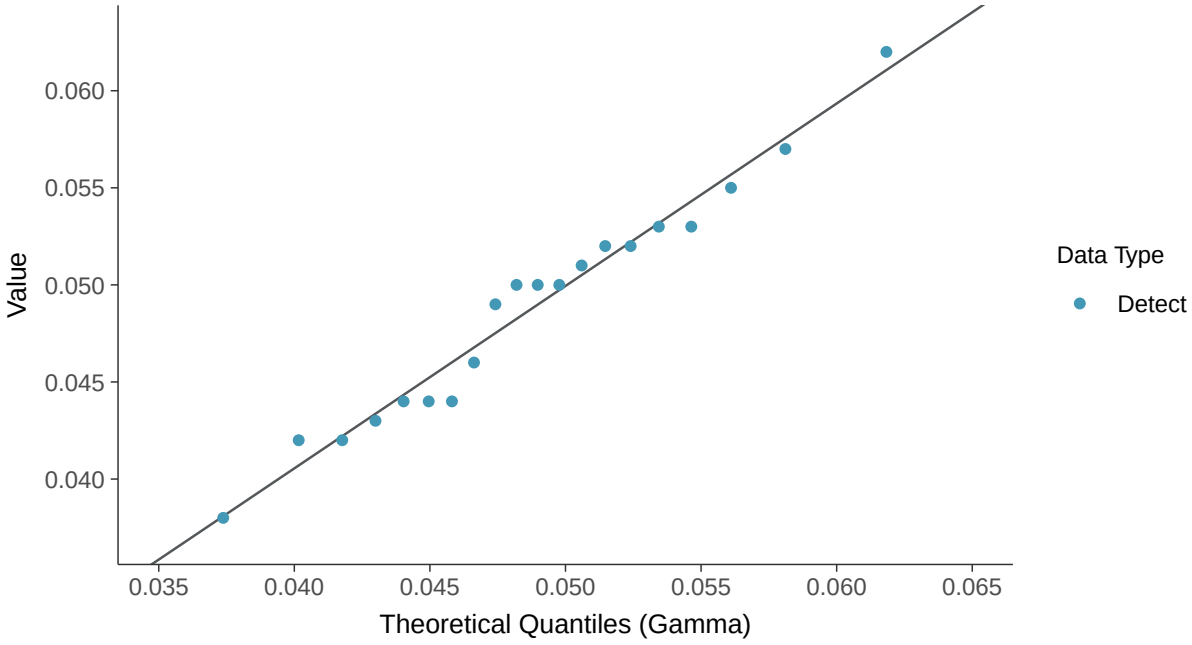
Lognormal Q-Q plot

Barium, MW-6 (mg/l)



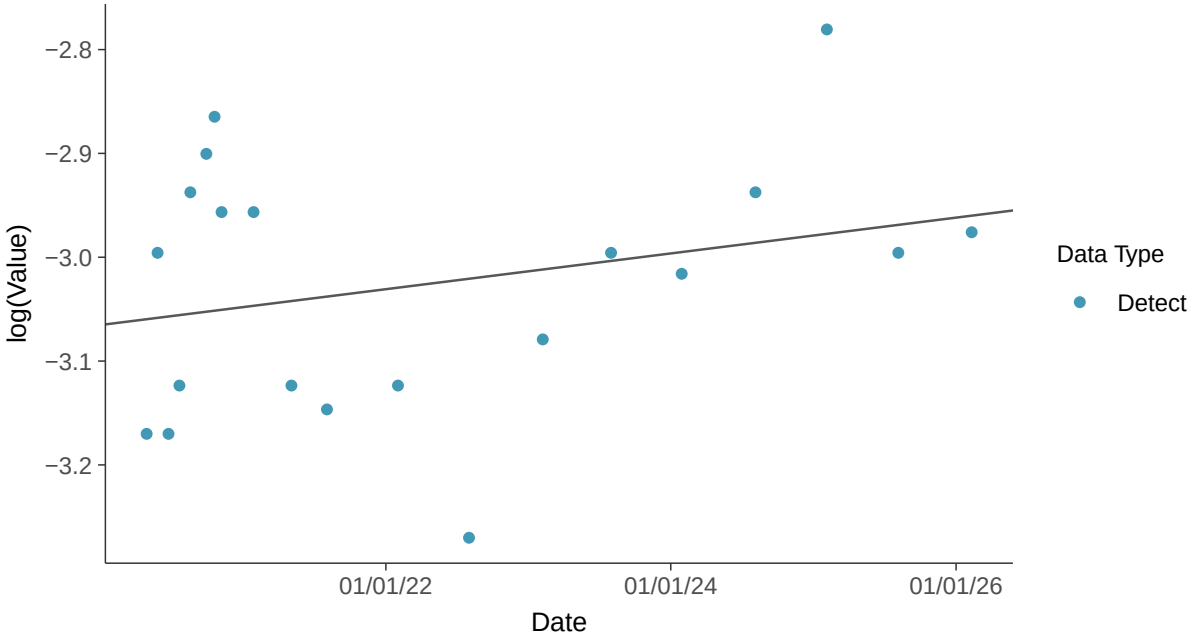
Gamma Q-Q plot

Barium, MW-6 (mg/l)



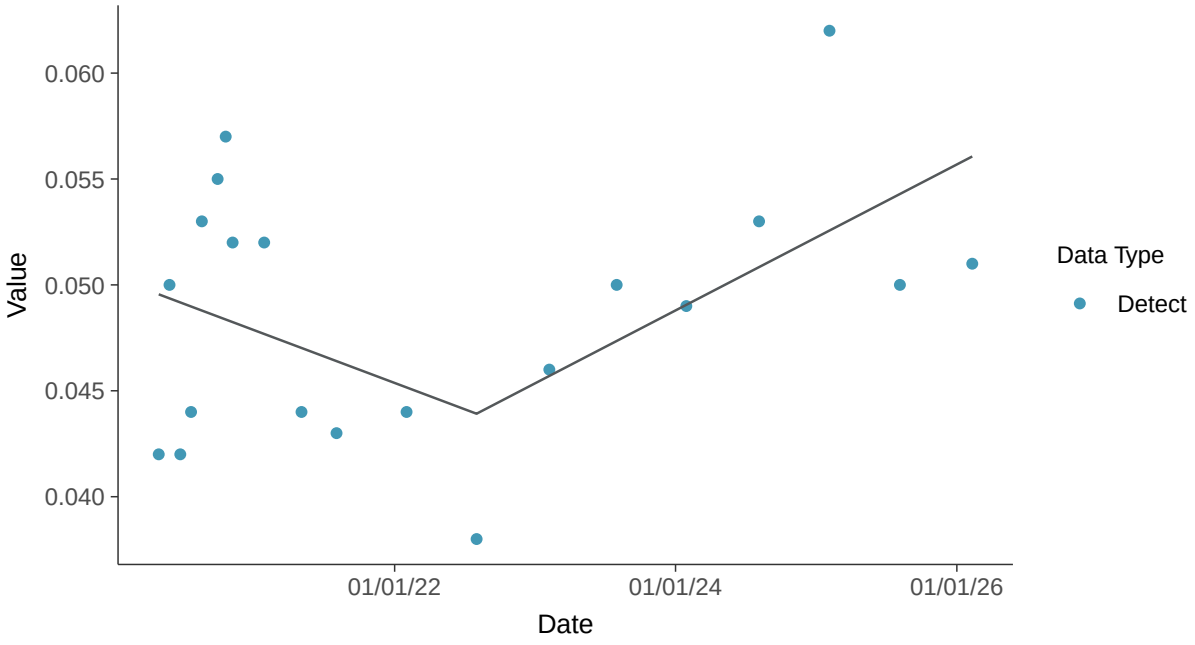
Trend Regression: Lognormal MLE

Barium, MW-6 (mg/l)



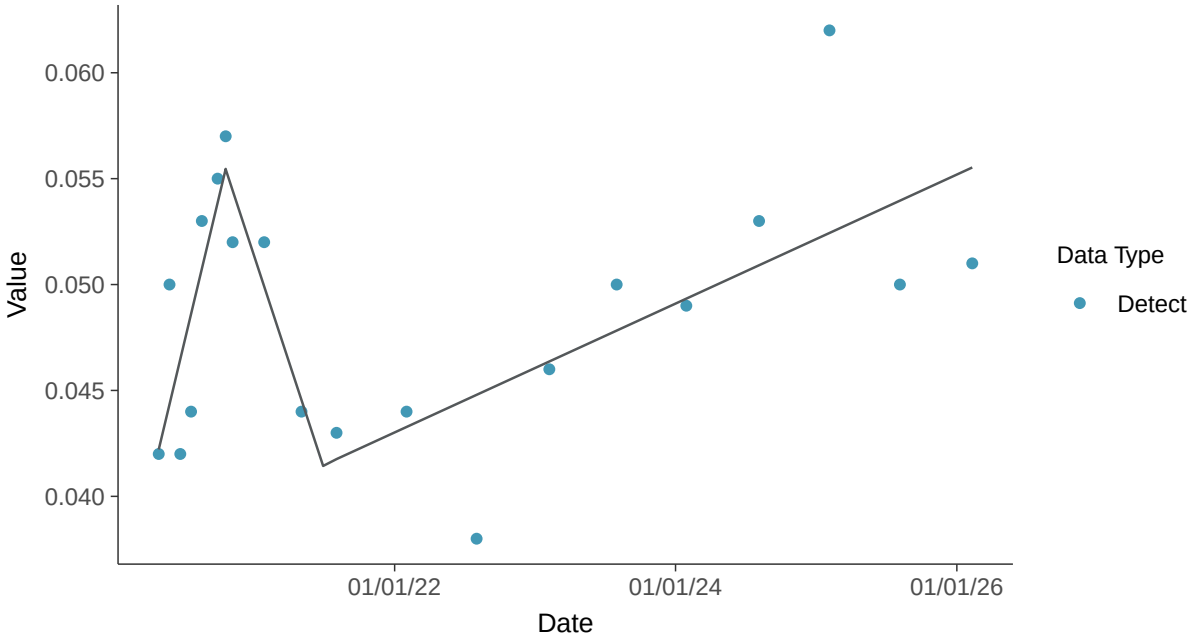
Trend Regression: Piecewise Linear-Linear

Barium, MW-6 (mg/l)



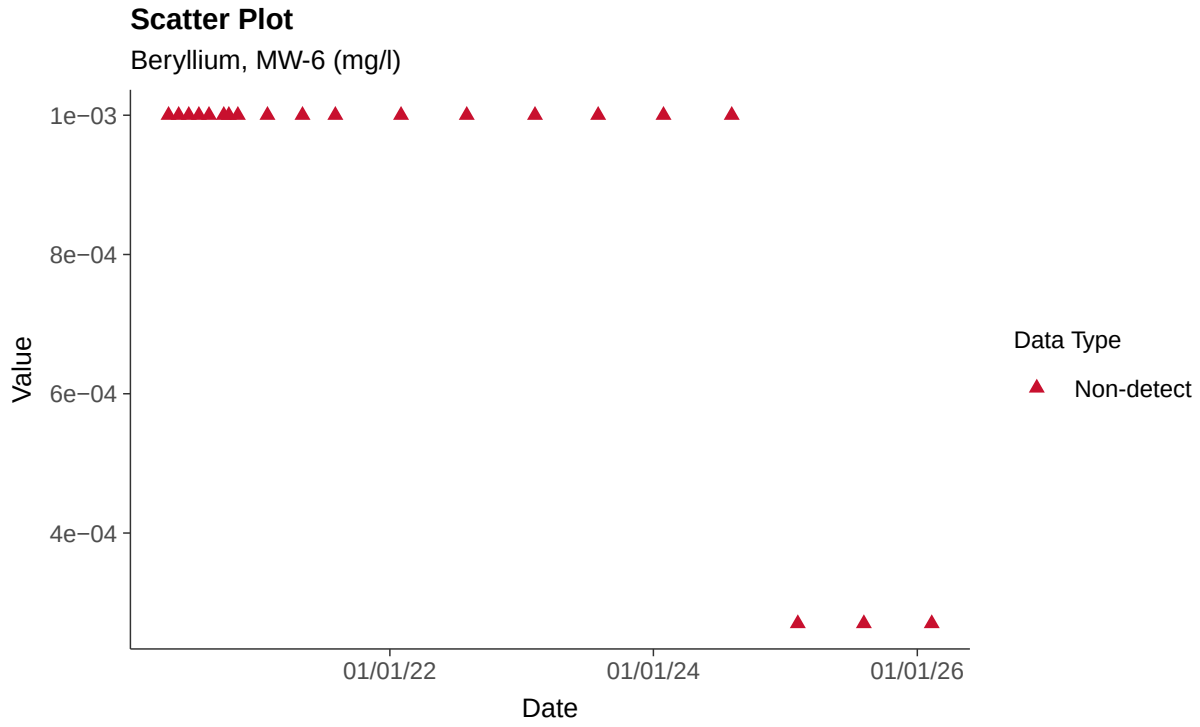
Trend Regression: Piecewise Linear-Linear-Linear

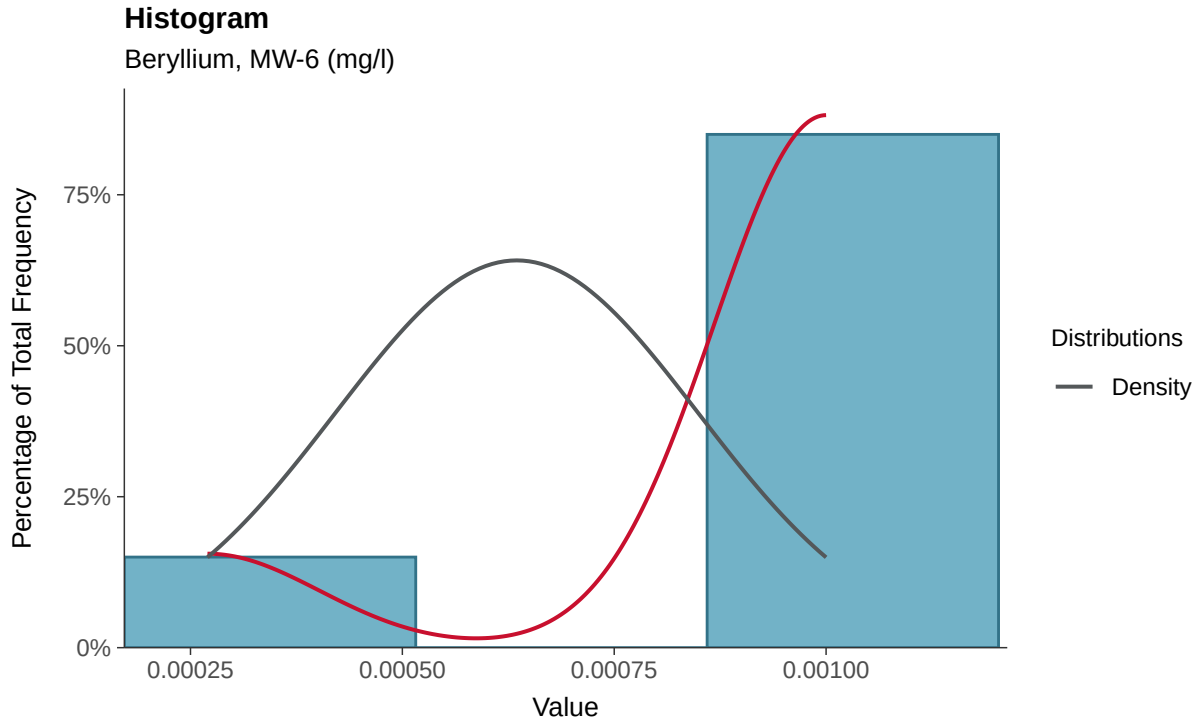
Barium, MW-6 (mg/l)



Appendix IV: Beryllium, MW-6

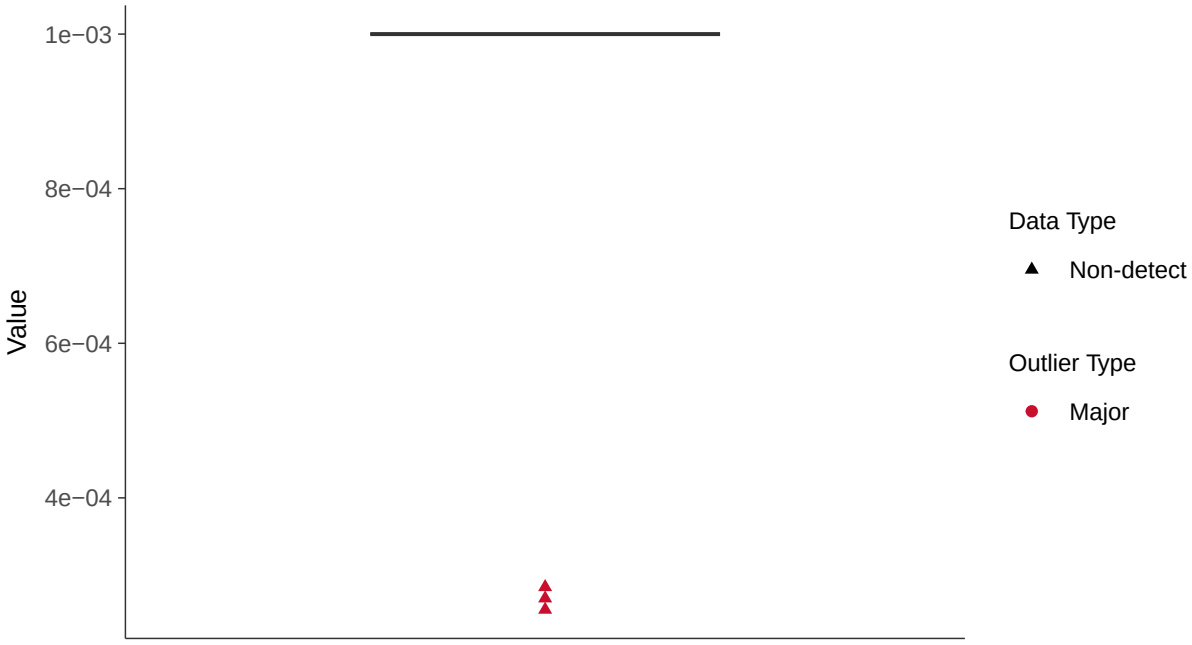
ID: 14_3_104





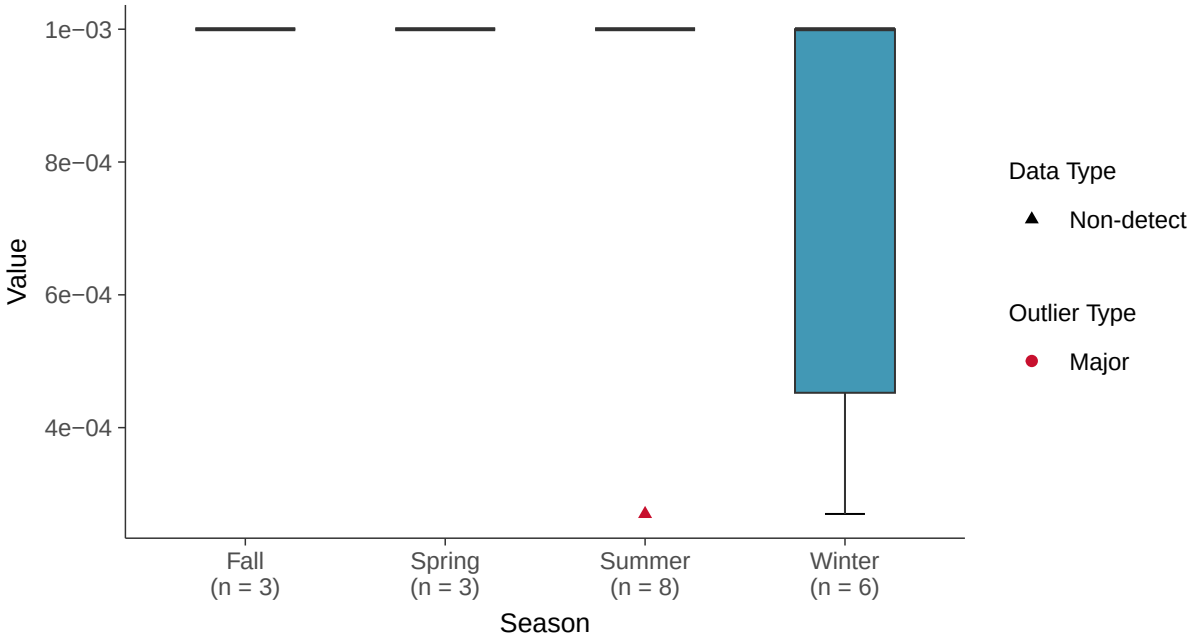
Boxplot

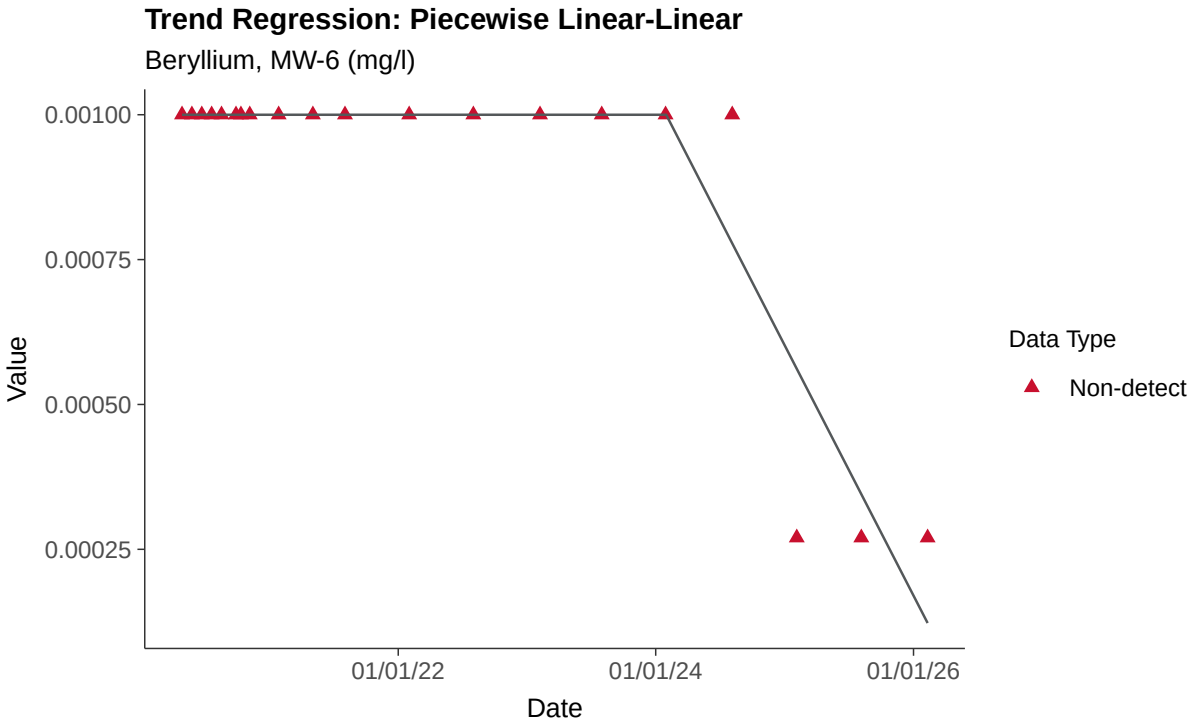
Beryllium, MW-6 (mg/l)



Boxplot by Season

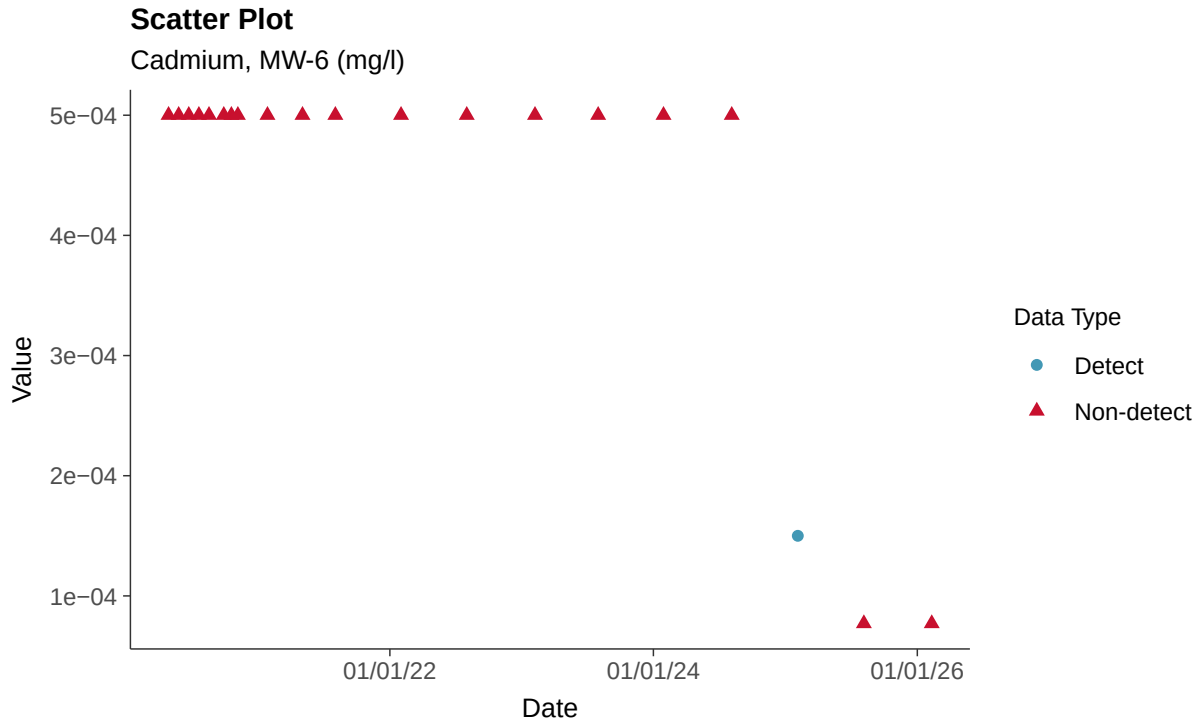
Beryllium, MW-6 (mg/l)

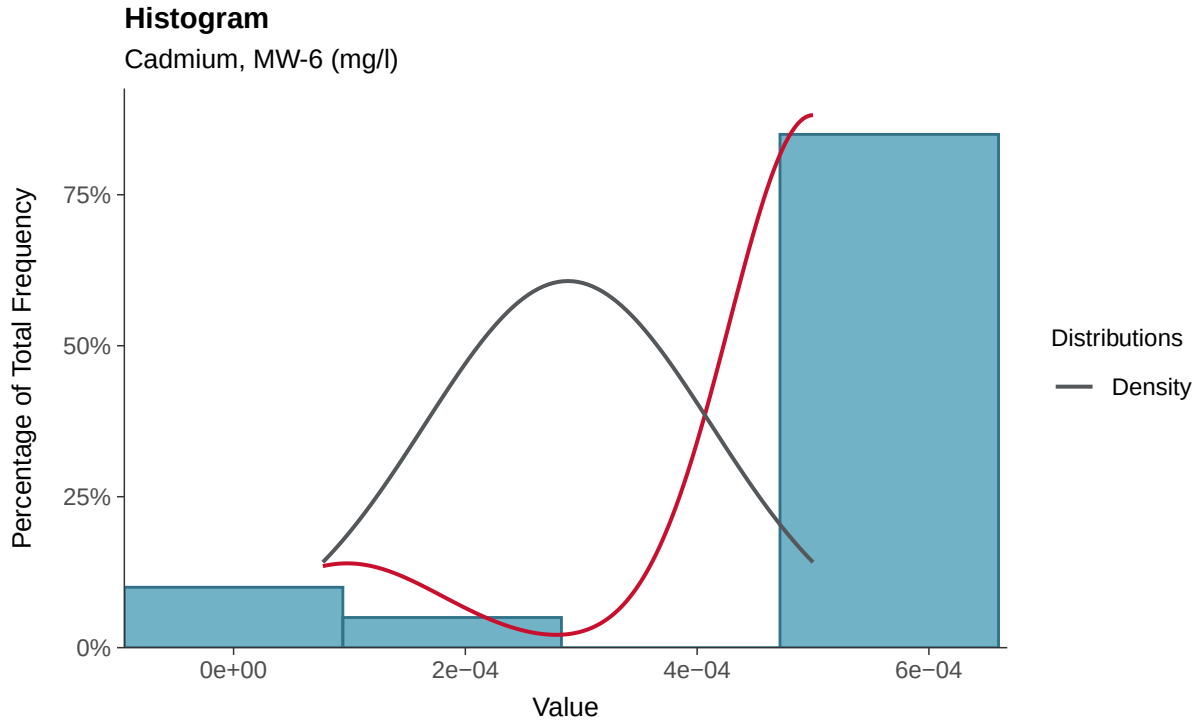



Trend Regression: Piecewise Linear-Linear
Beryllium, MW-6 (mg/l)
0.00100
0.00075
0.00050
0.00025
Value
01/01/22
01/01/24
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cadmium, MW-6

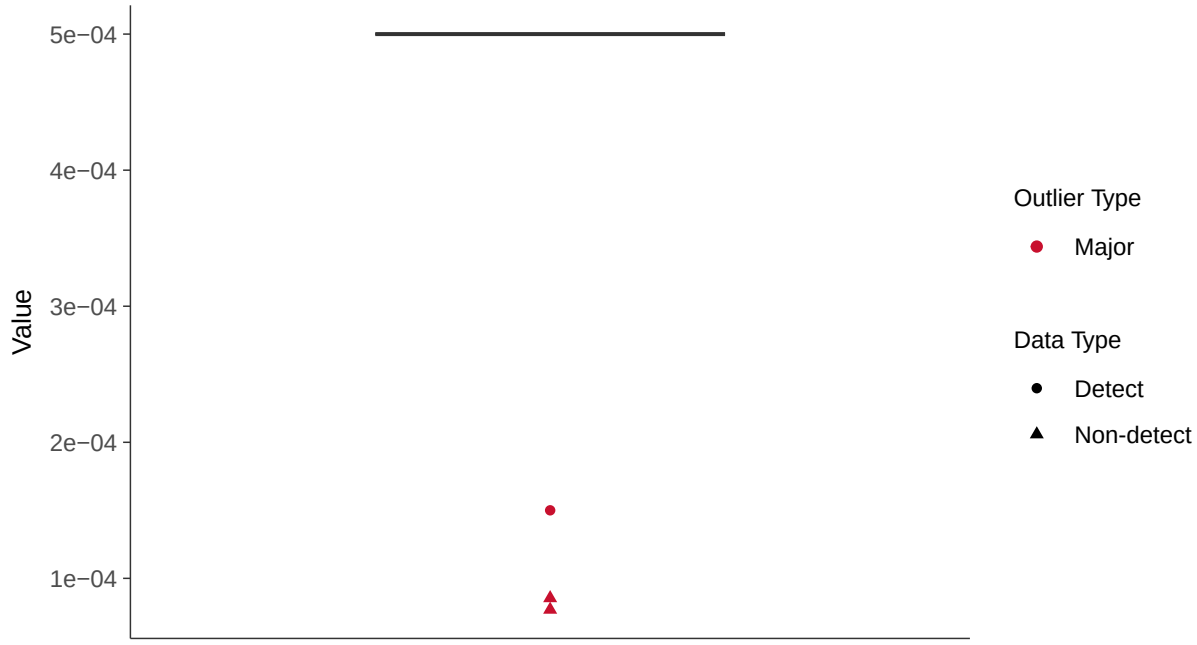
ID: 14_3_106





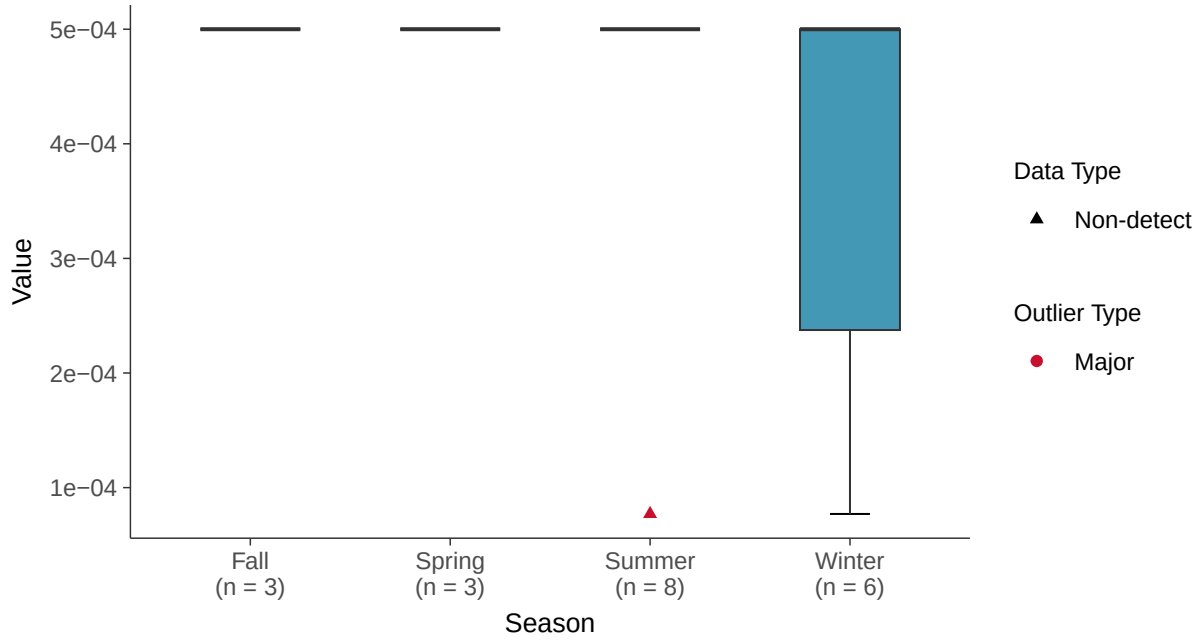
Boxplot

Cadmium, MW-6 (mg/l)



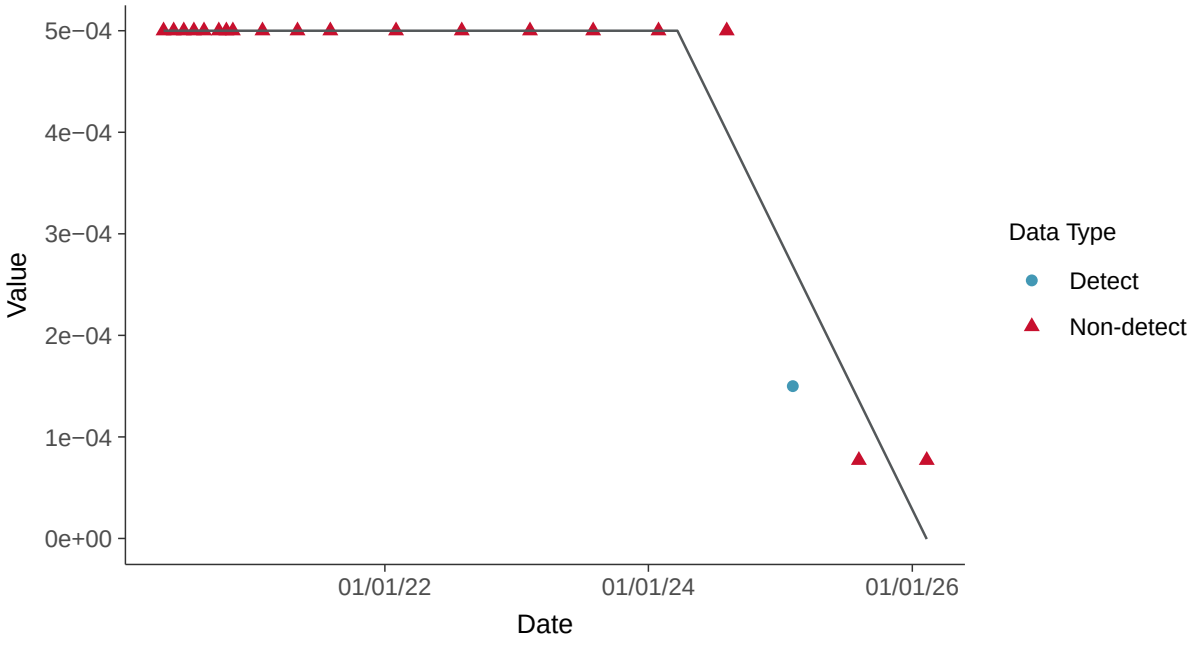
Boxplot by Season

Cadmium, MW-6 (mg/l)



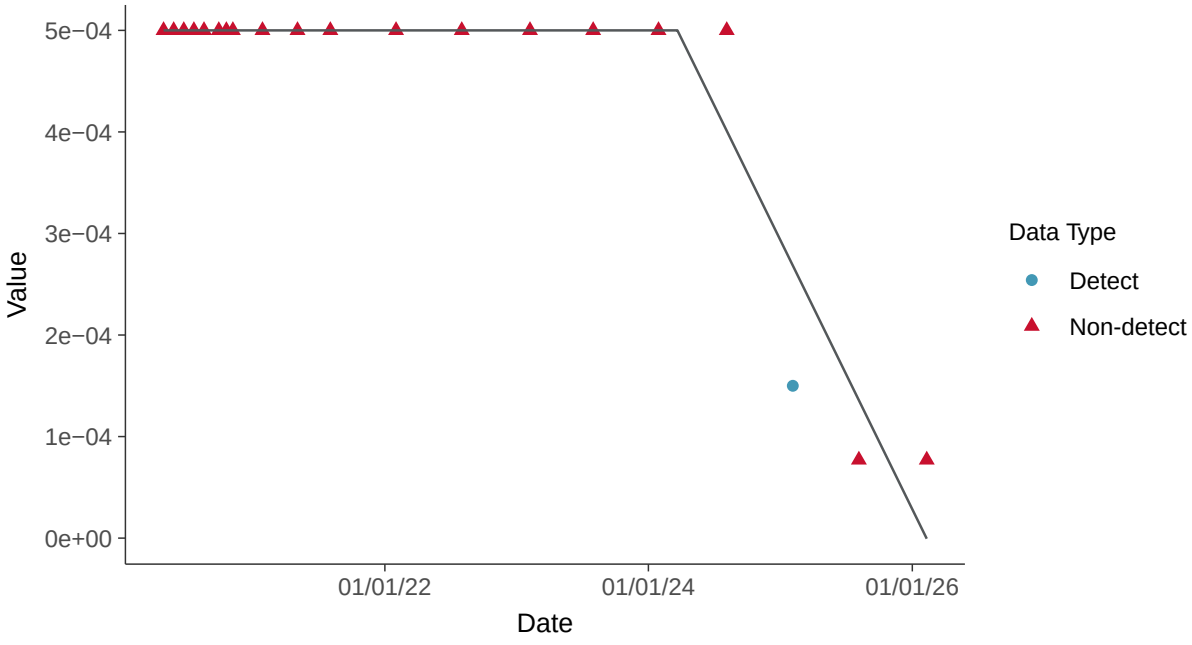
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-6 (mg/l)



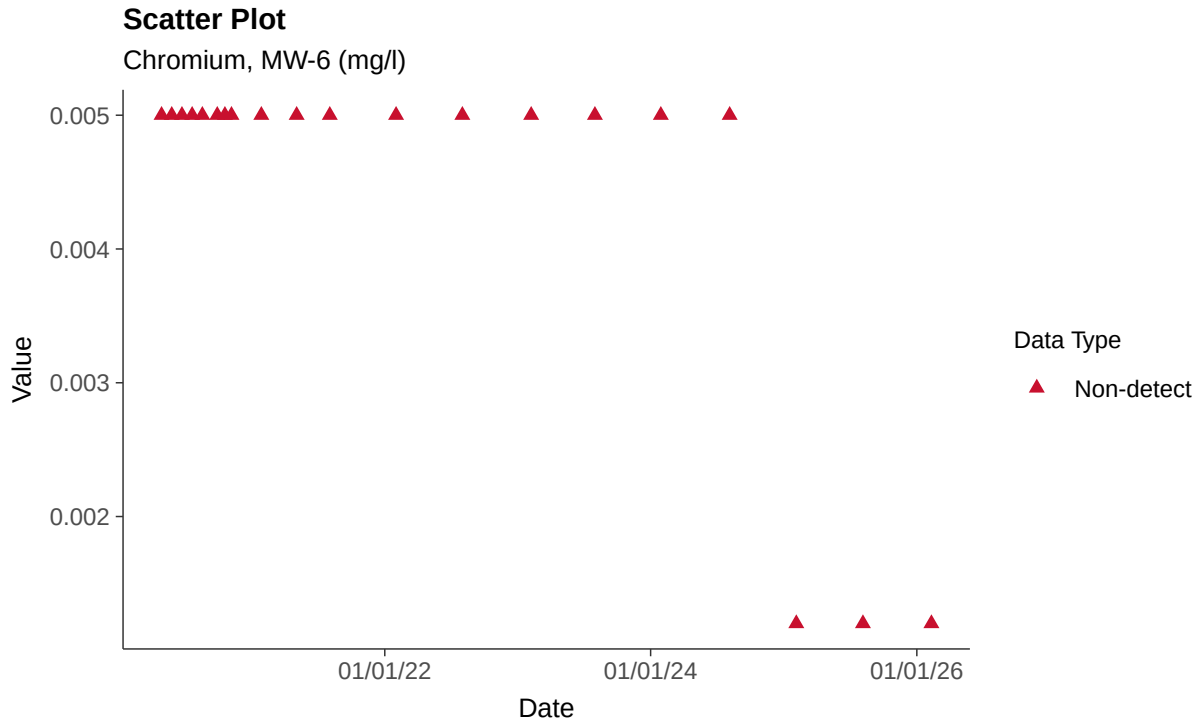
Trend Regression: Piecewise Linear-Linear-Linear

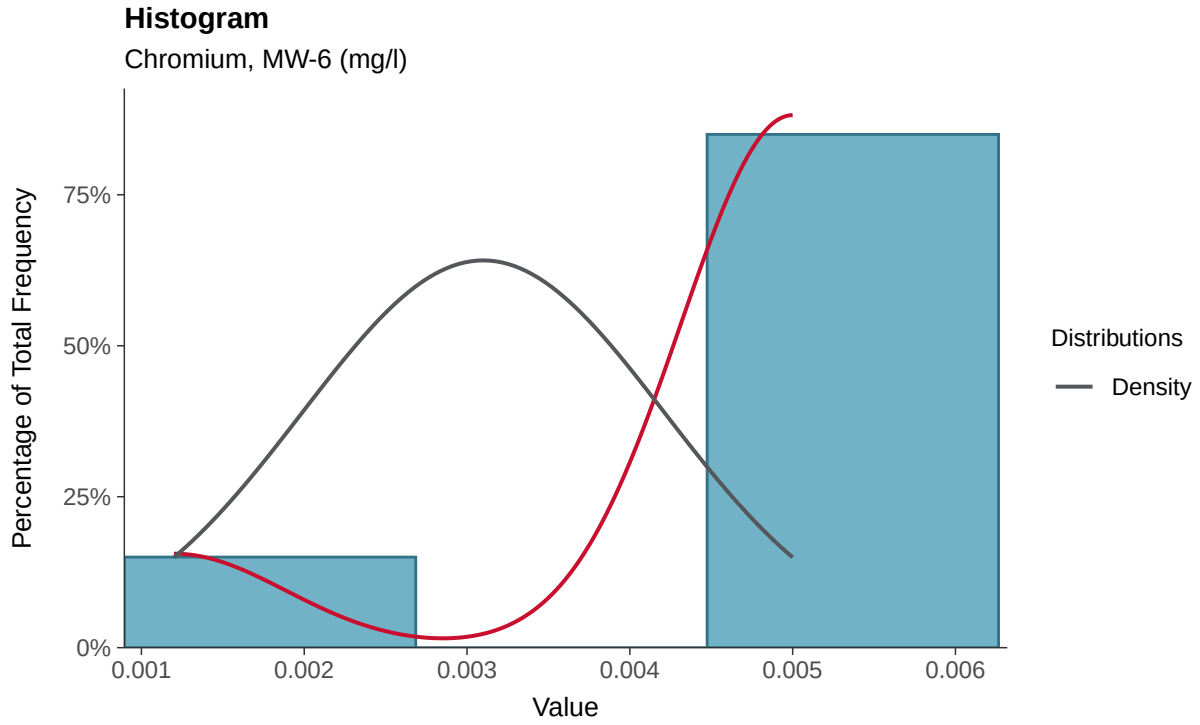
Cadmium, MW-6 (mg/l)



Appendix IV: Chromium, MW-6

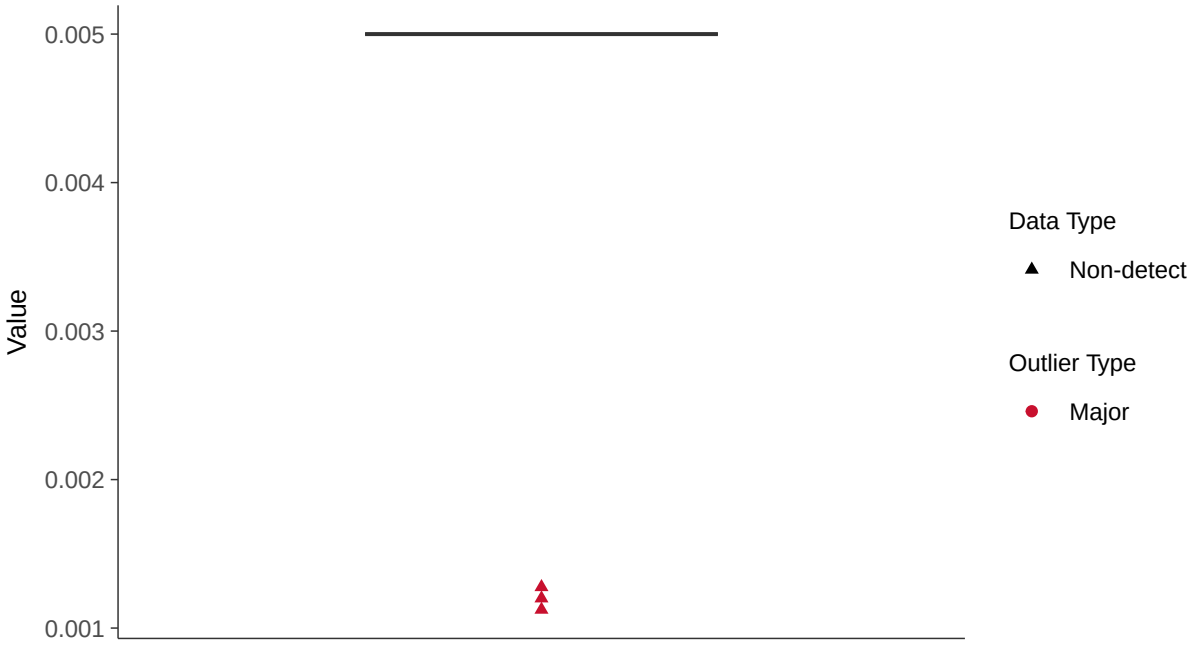
ID: 14_3_109





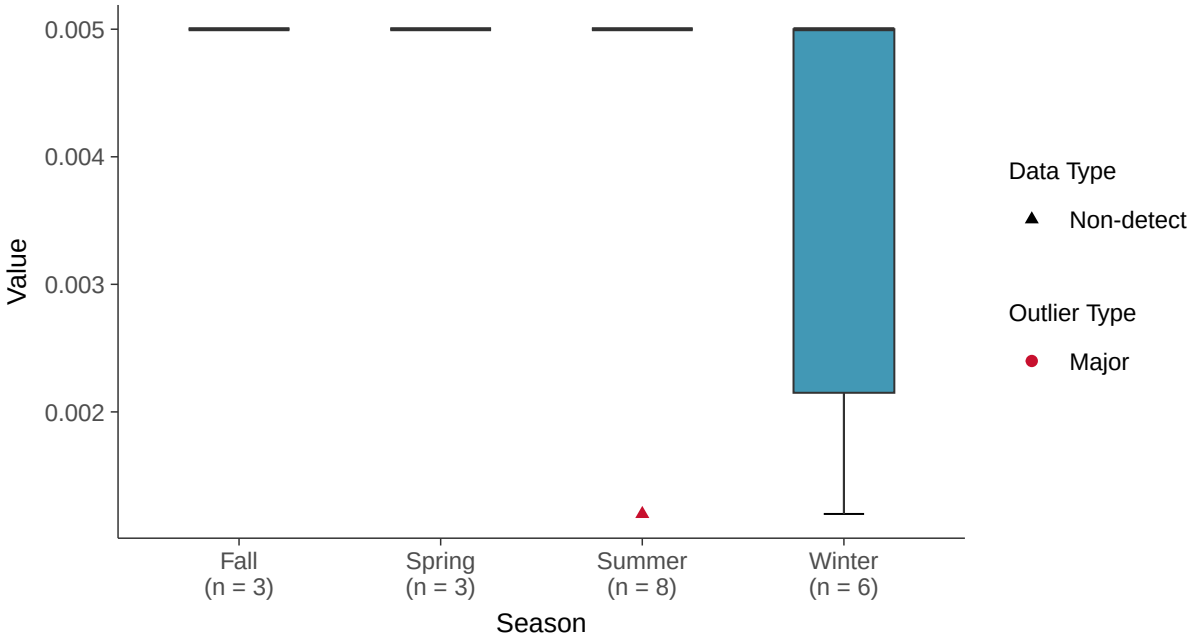
Boxplot

Chromium, MW-6 (mg/l)



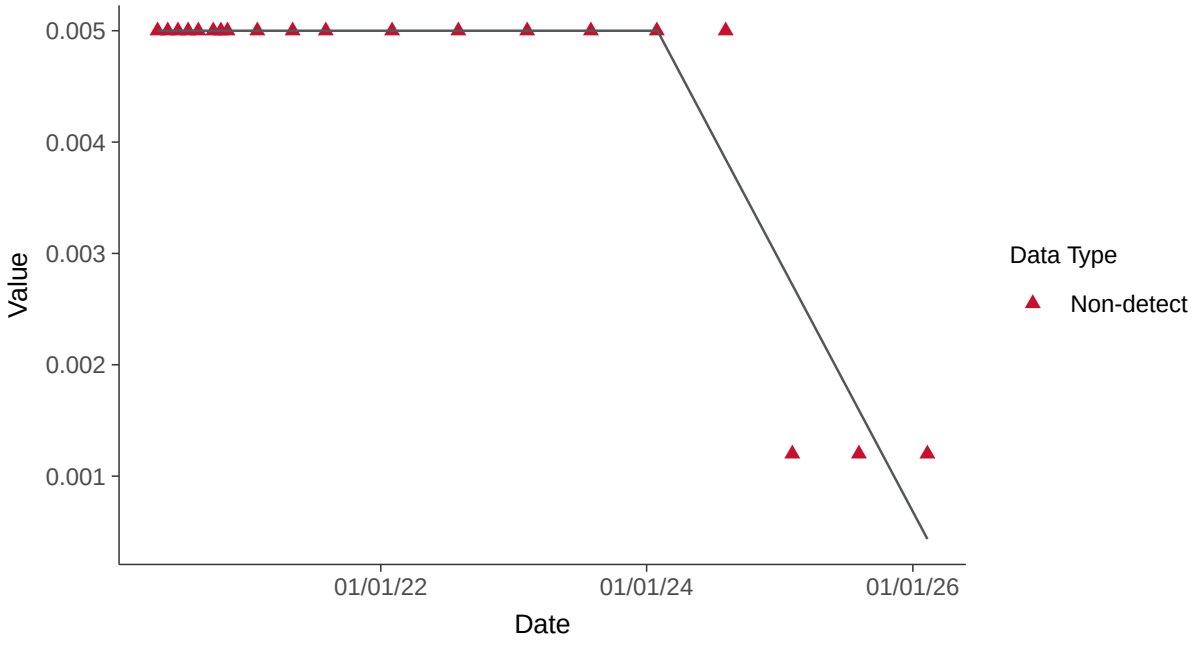
Boxplot by Season

Chromium, MW-6 (mg/l)



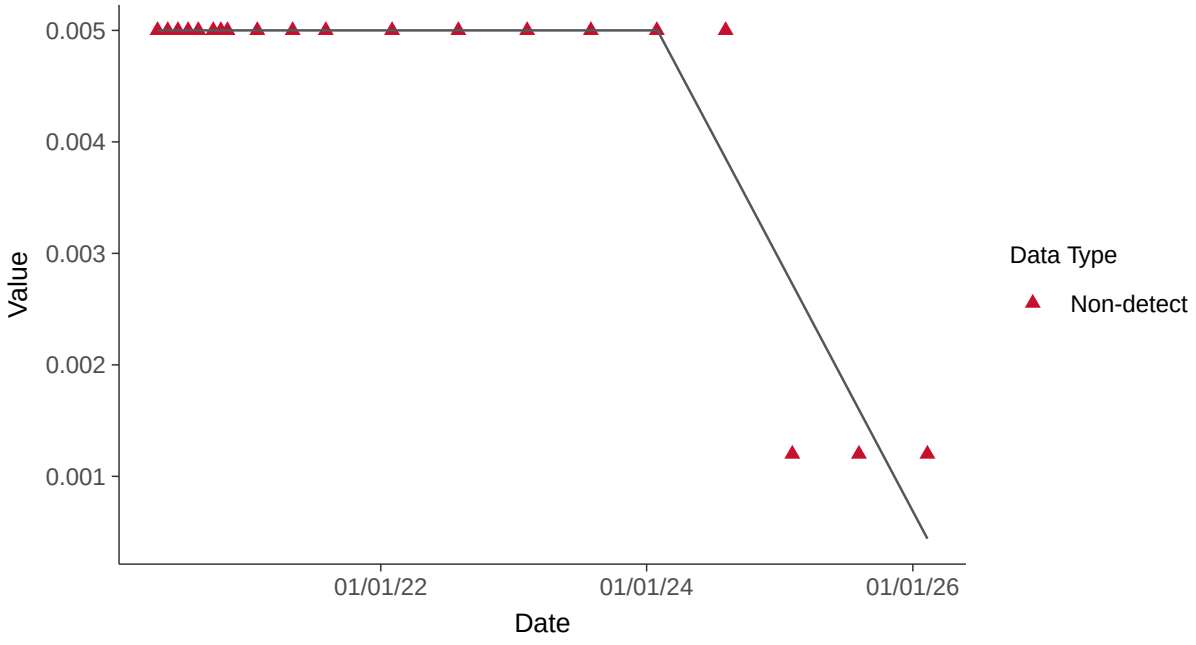
Trend Regression: Piecewise Linear-Linear

Chromium, MW-6 (mg/l)



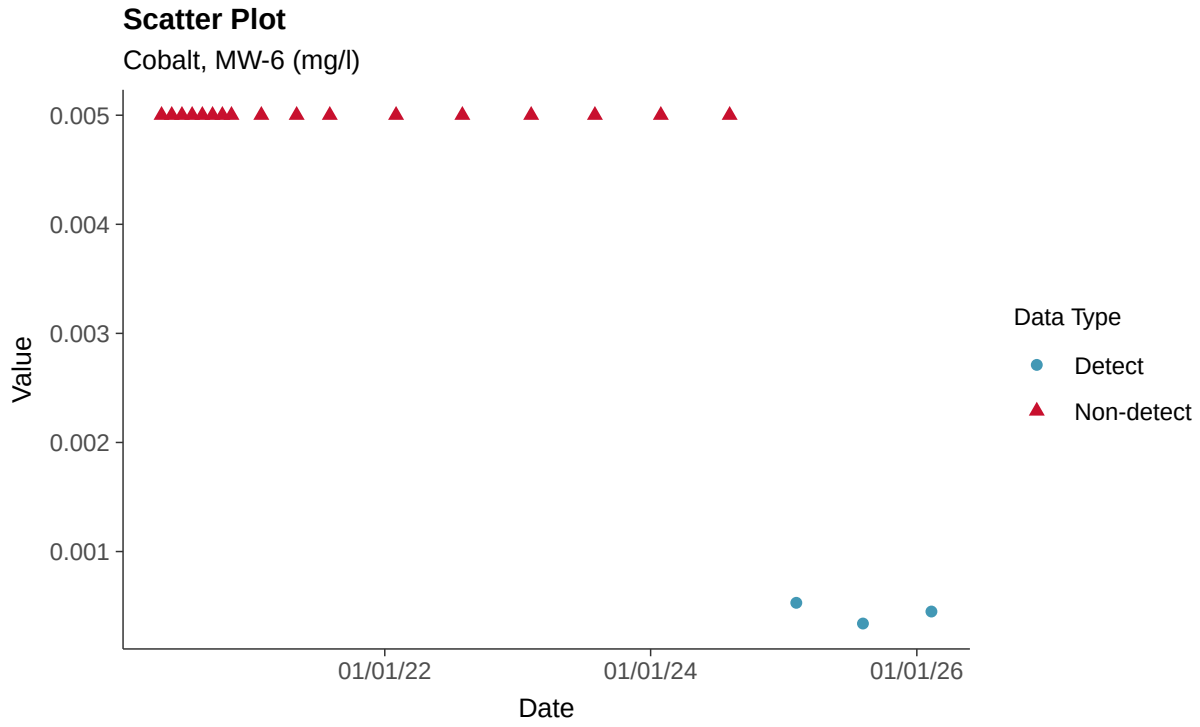
Trend Regression: Piecewise Linear-Linear-Linear

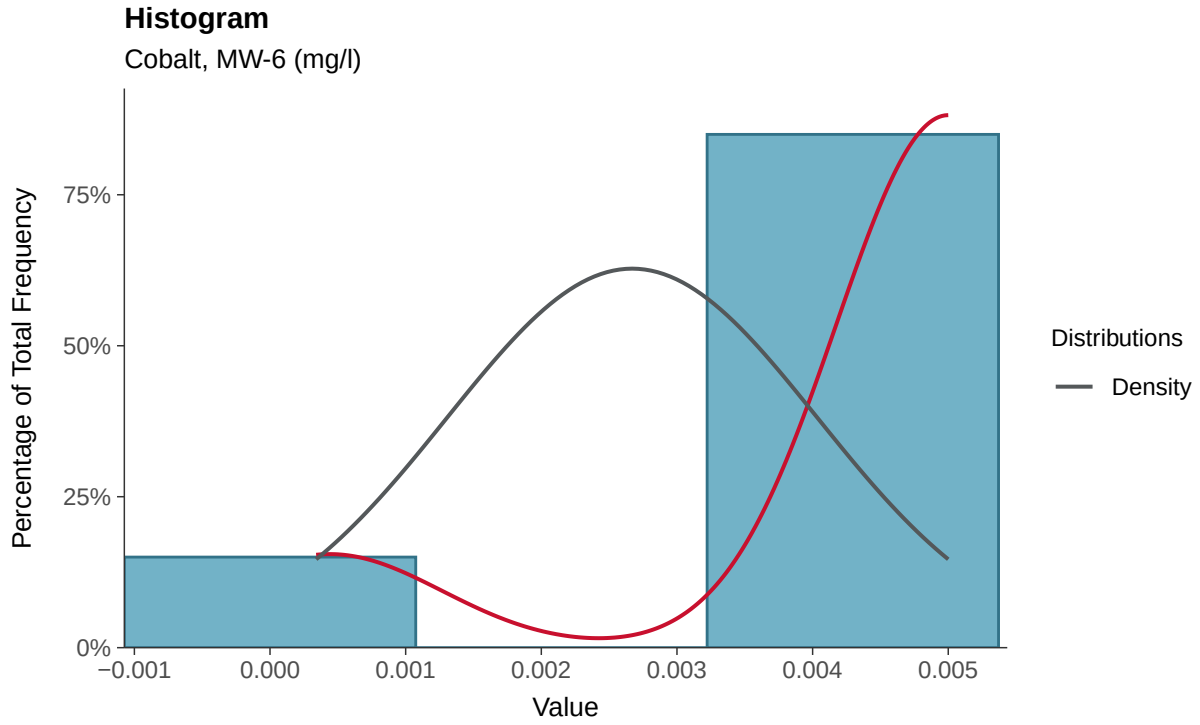
Chromium, MW-6 (mg/l)



Appendix IV: Cobalt, MW-6

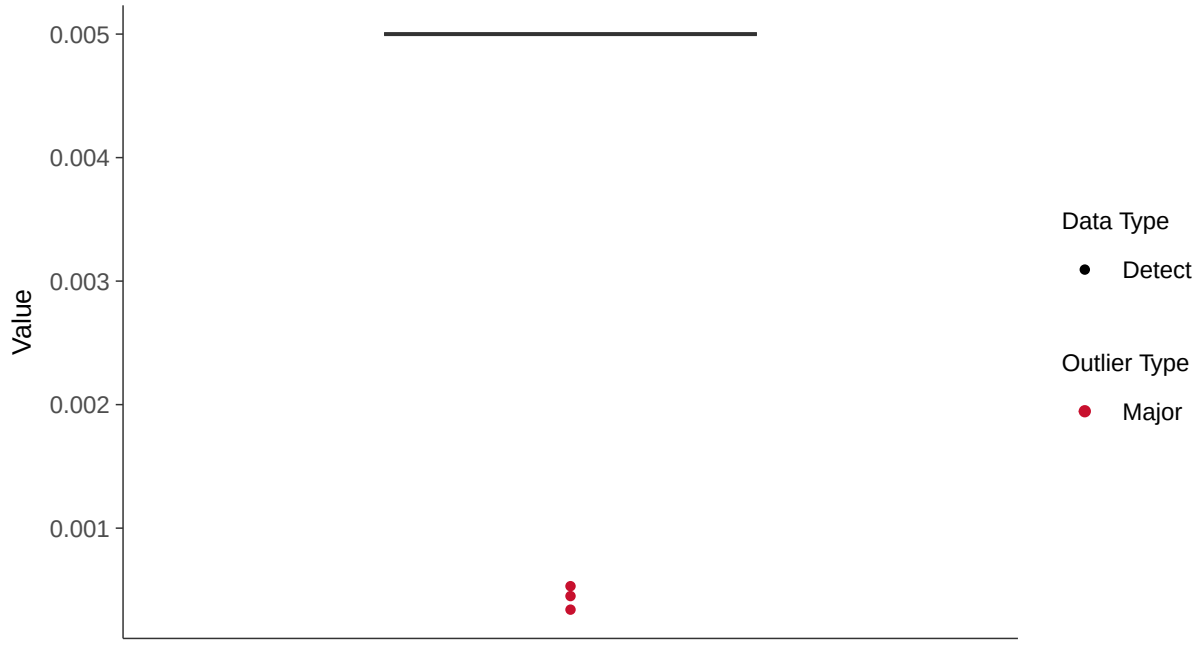
ID: 14_3_110





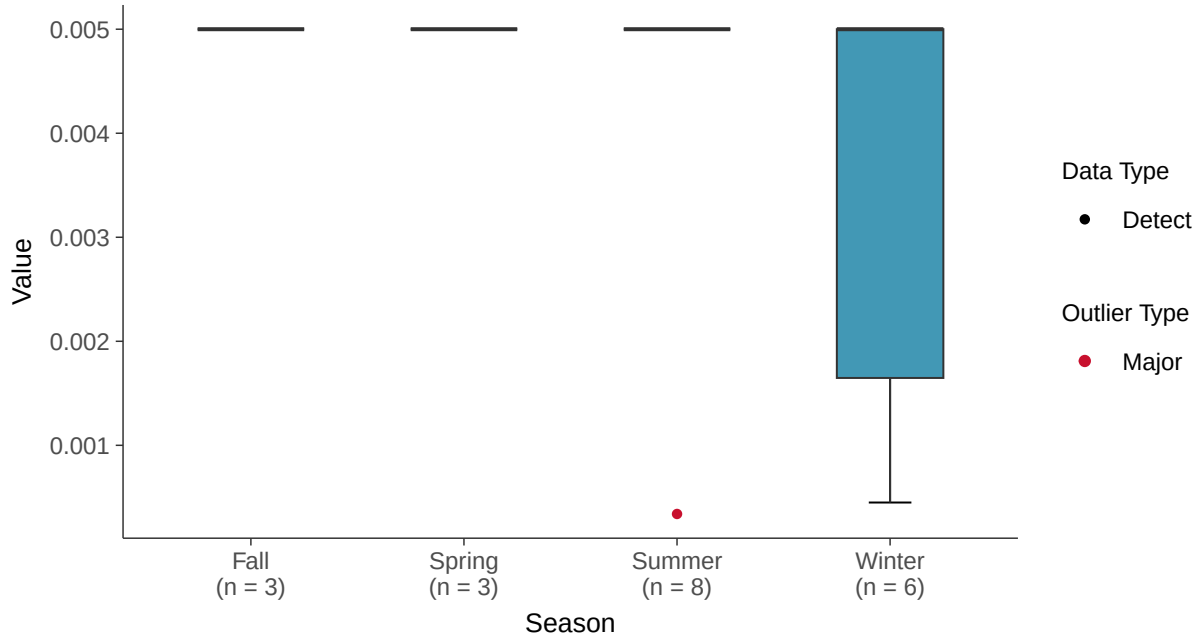
Boxplot

Cobalt, MW-6 (mg/l)



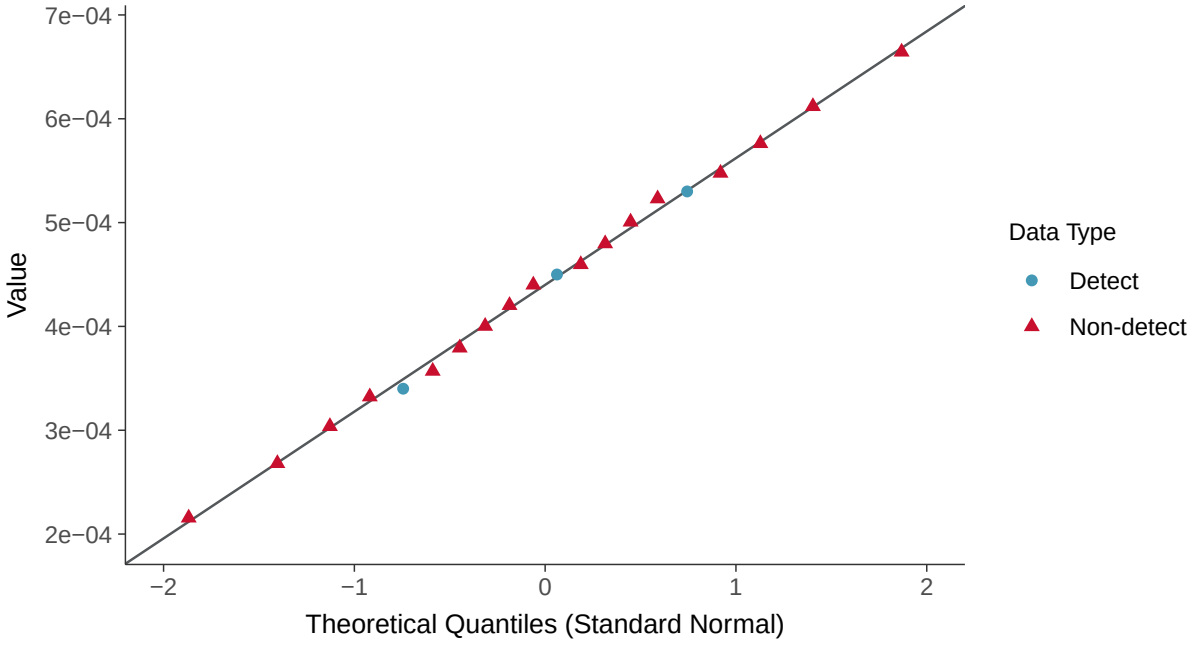
Boxplot by Season

Cobalt, MW-6 (mg/l)



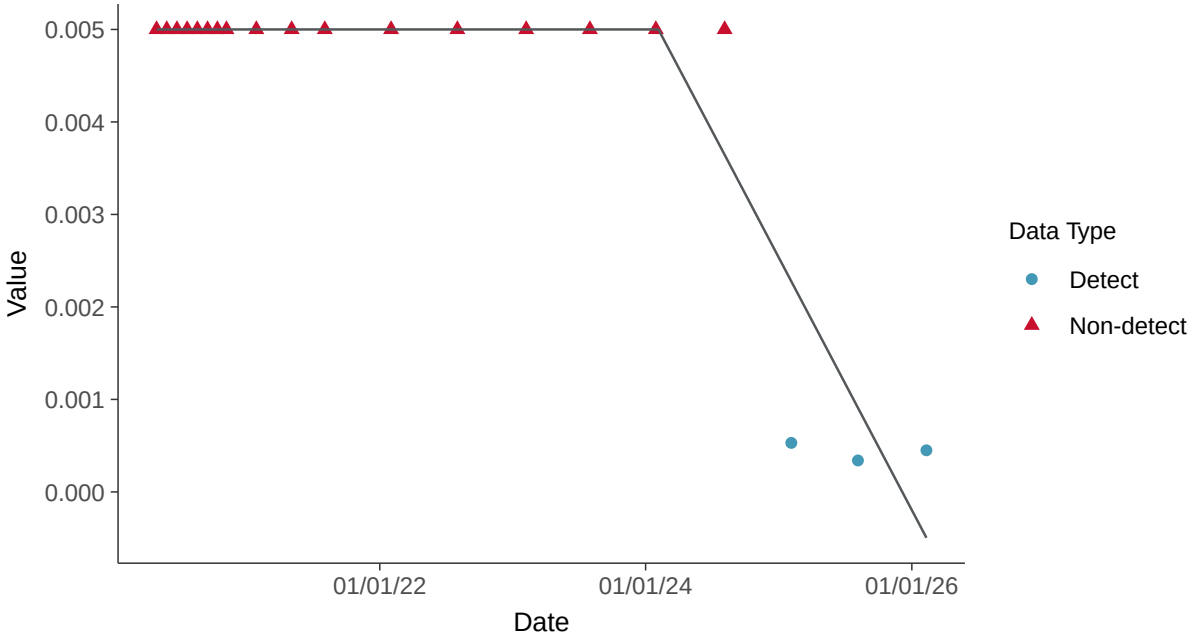
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-6 (mg/l)



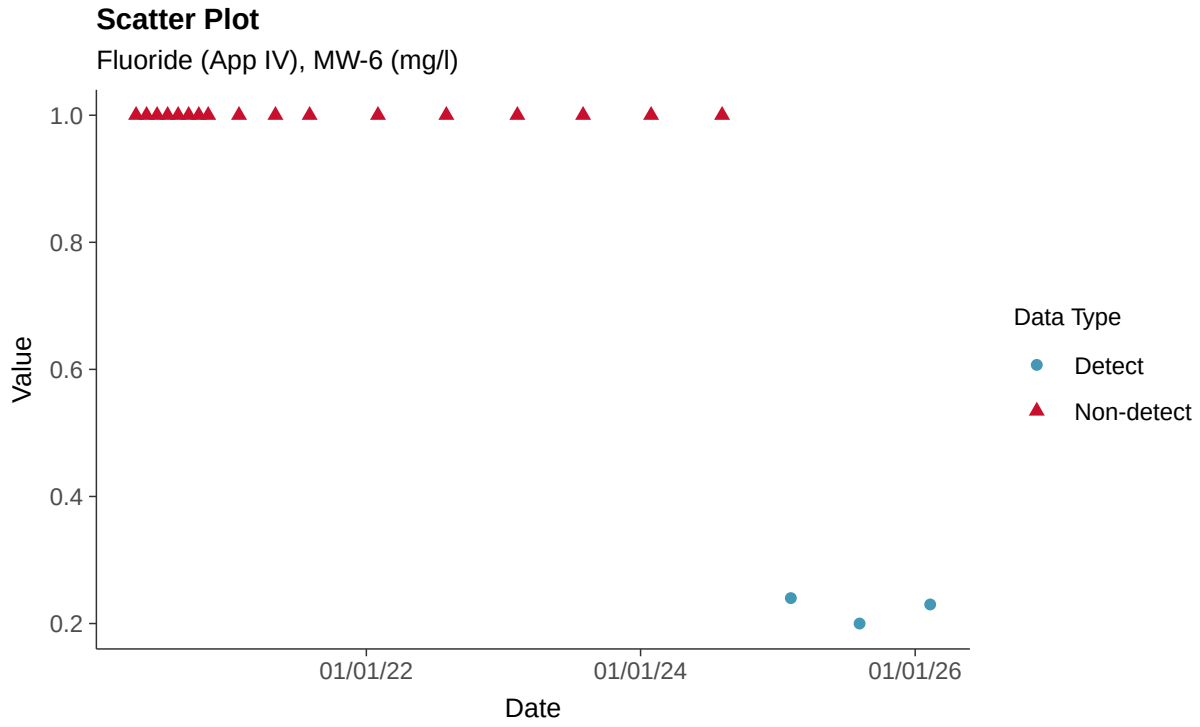
Trend Regression: Piecewise Linear-Linear

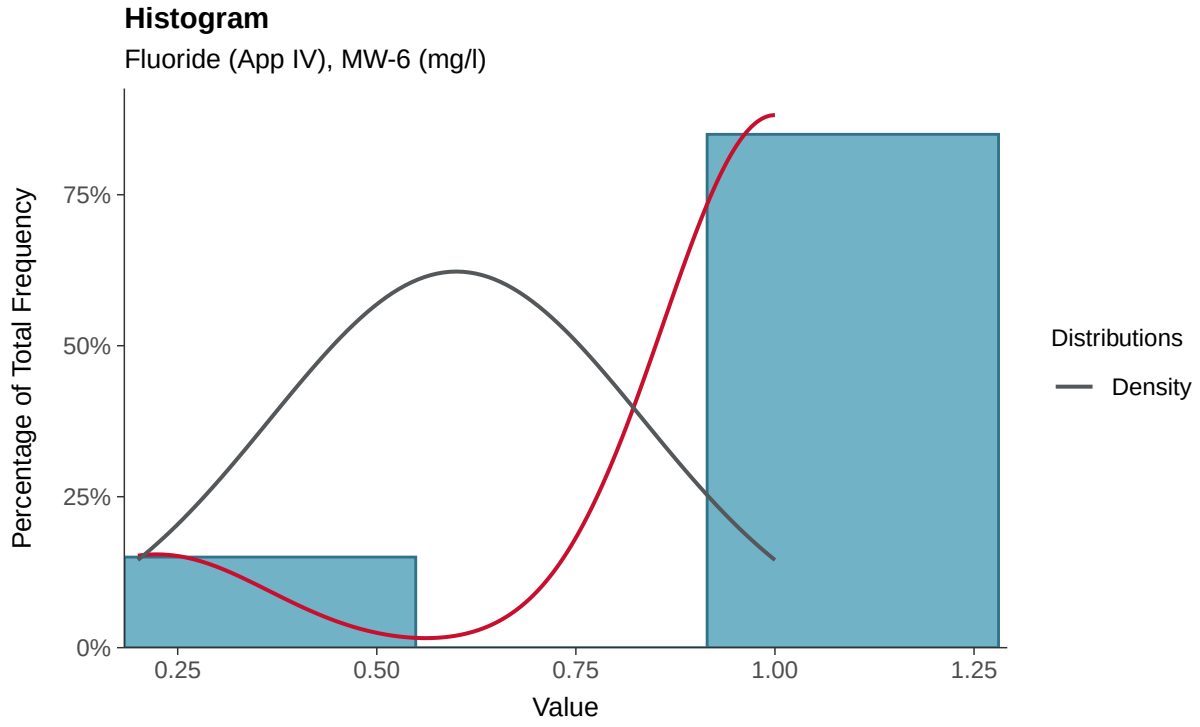
Cobalt, MW-6 (mg/l)



Appendix IV: Fluoride (App IV), MW-6

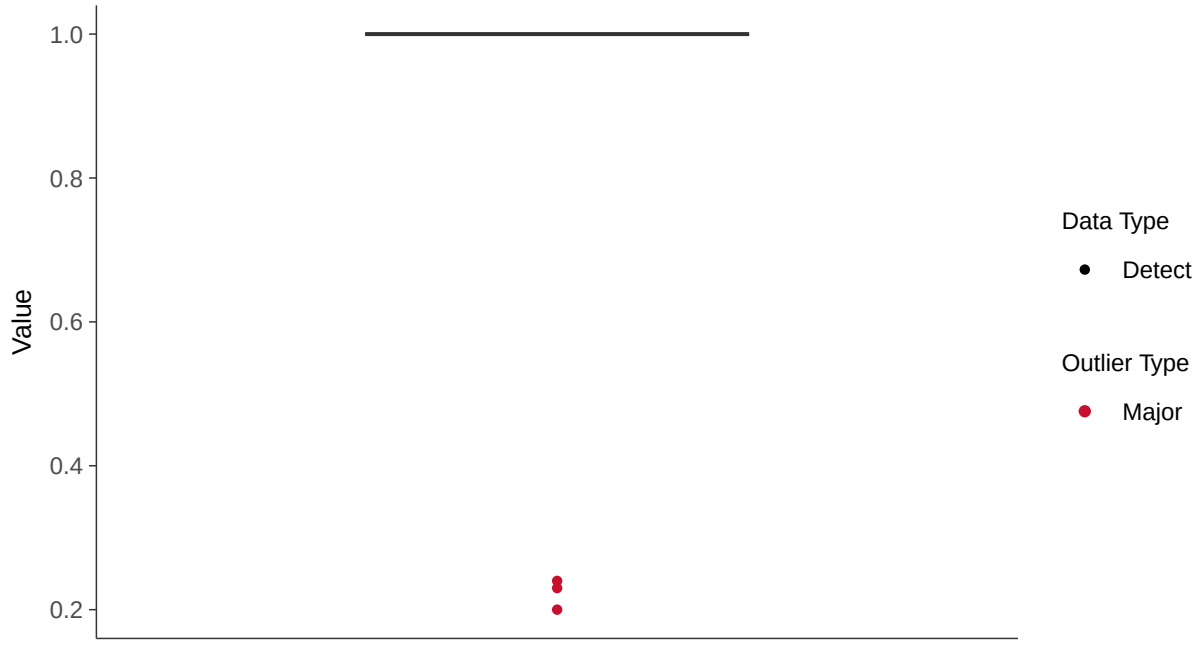
ID: 14_3_113





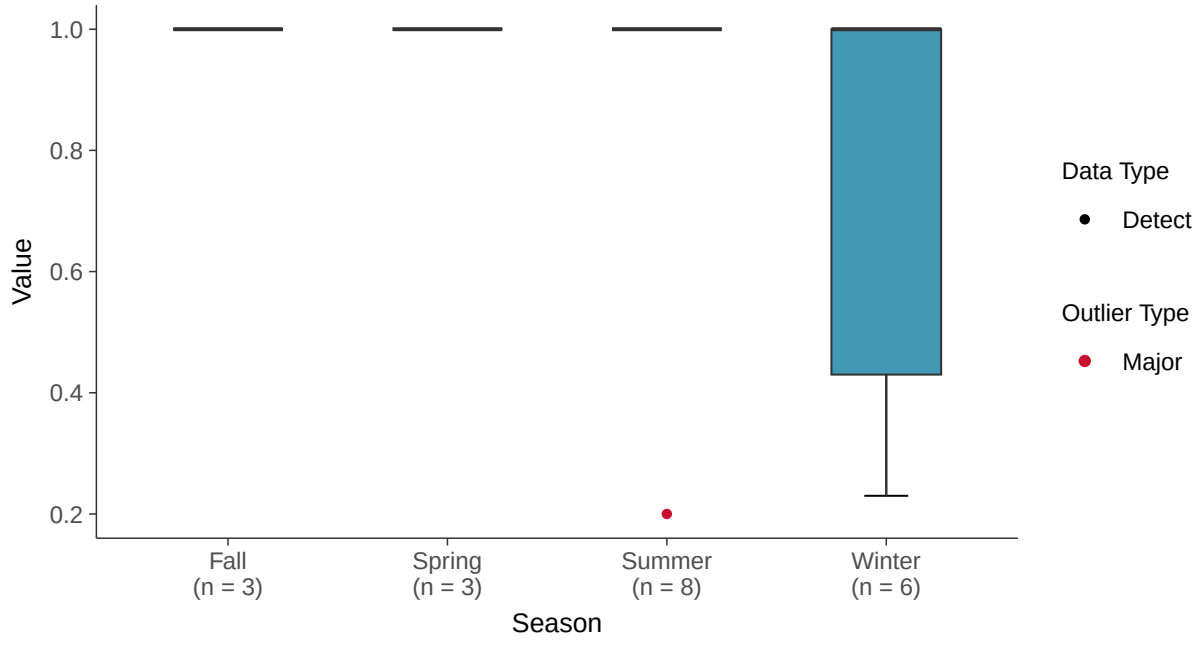
Boxplot

Fluoride (App IV), MW-6 (mg/l)



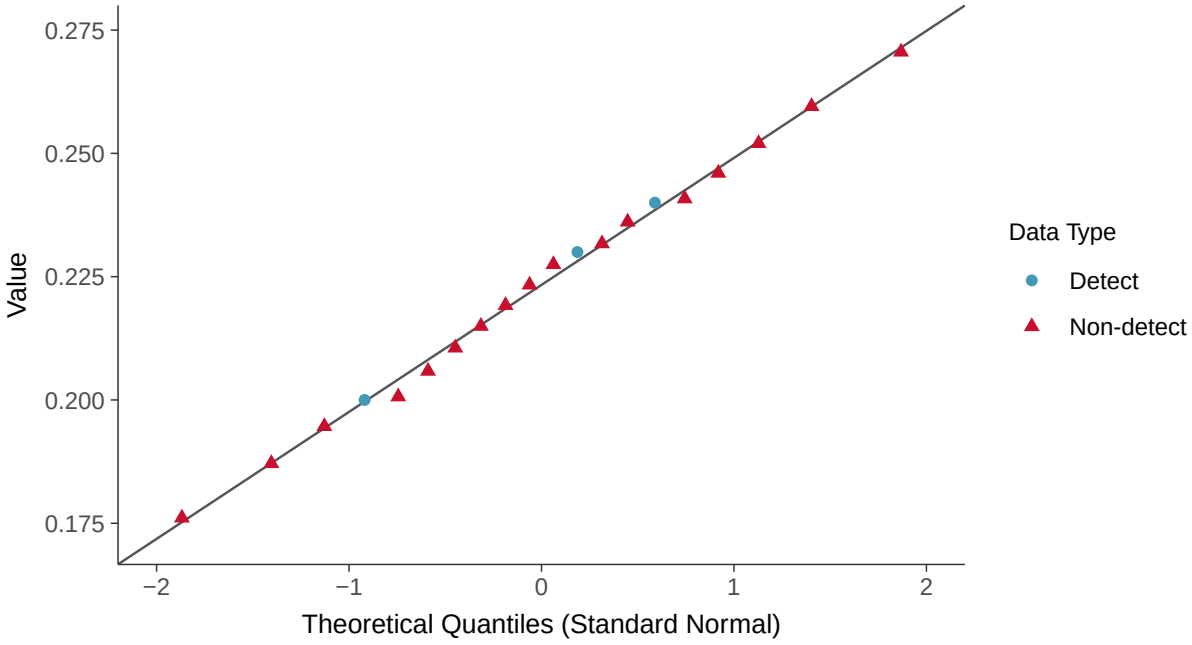
Boxplot by Season

Fluoride (App IV), MW-6 (mg/l)



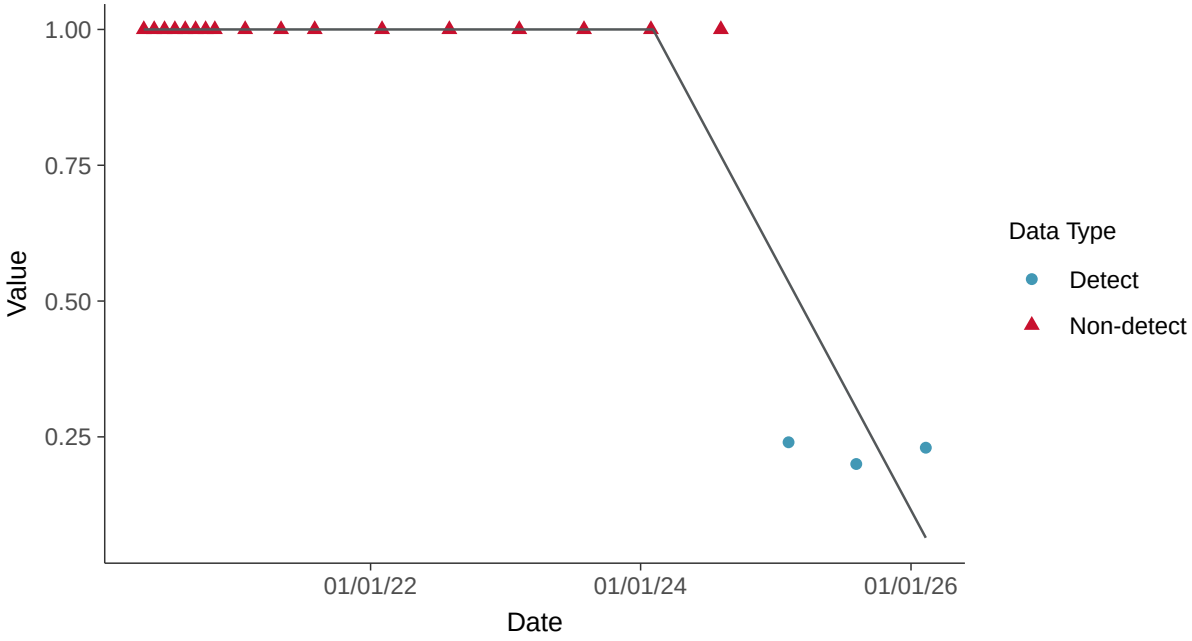
Normal Q-Q plot using ROS Imputed Estimates

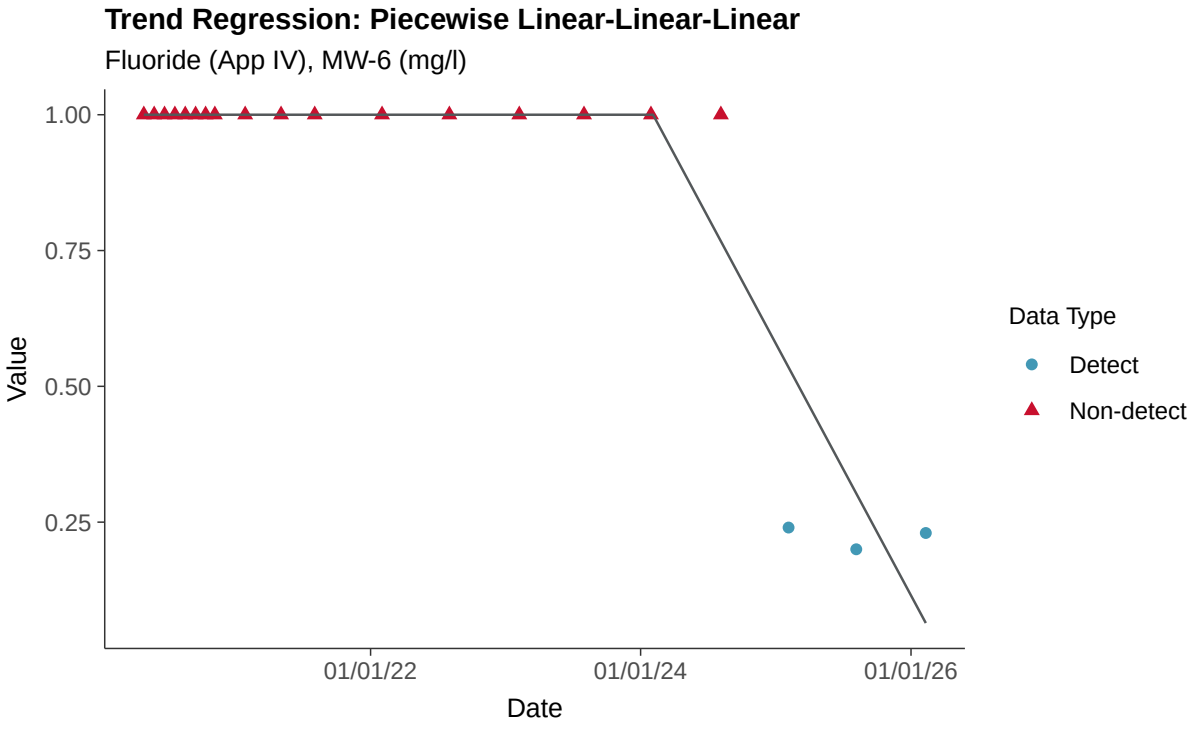
Fluoride (App IV), MW-6 (mg/l)



Trend Regression: Piecewise Linear-Linear

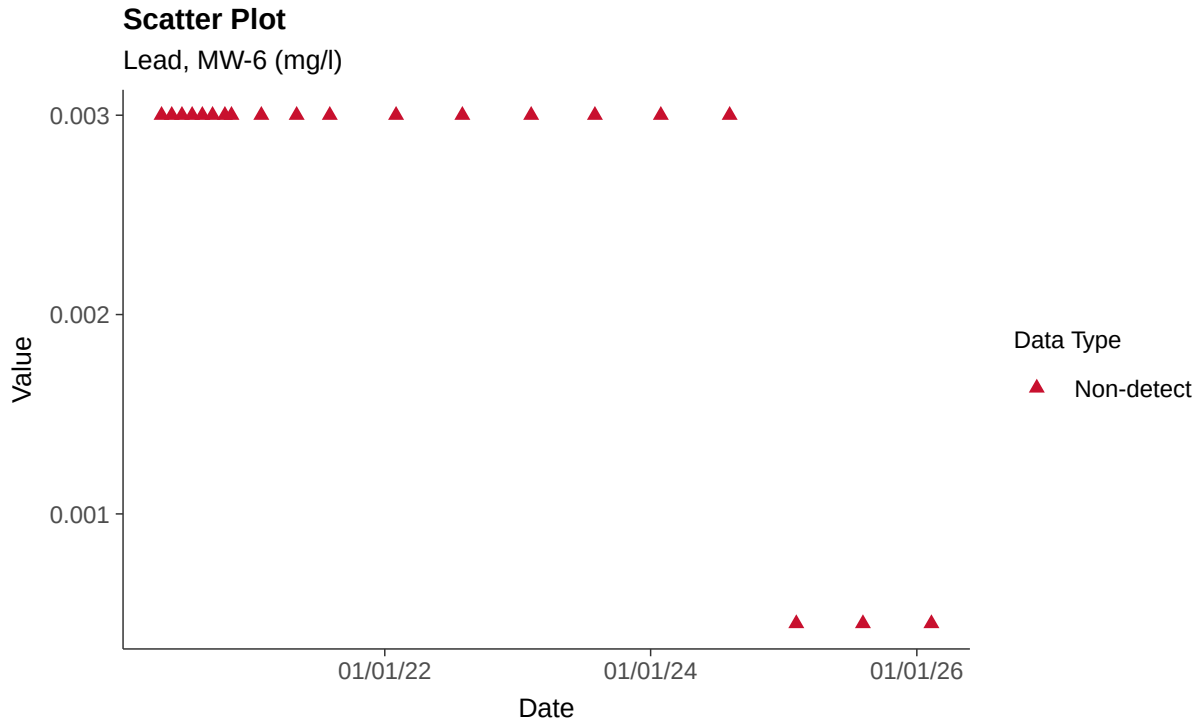
Fluoride (App IV), MW-6 (mg/l)

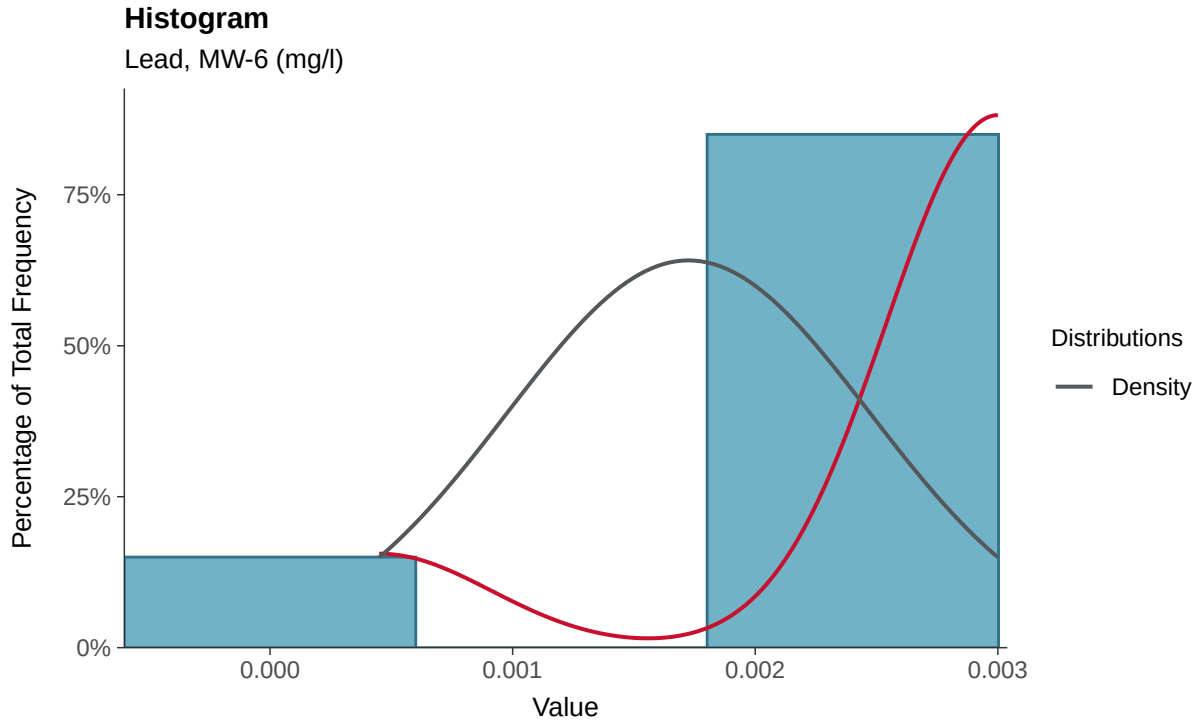



Trend Regression: Piecewise Linear-Linear-Linear
Fluoride (App IV), MW-6 (mg/l)
1.00
0.75
0.50
0.25
Value
01/01/22
01/01/24
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Lead, MW-6

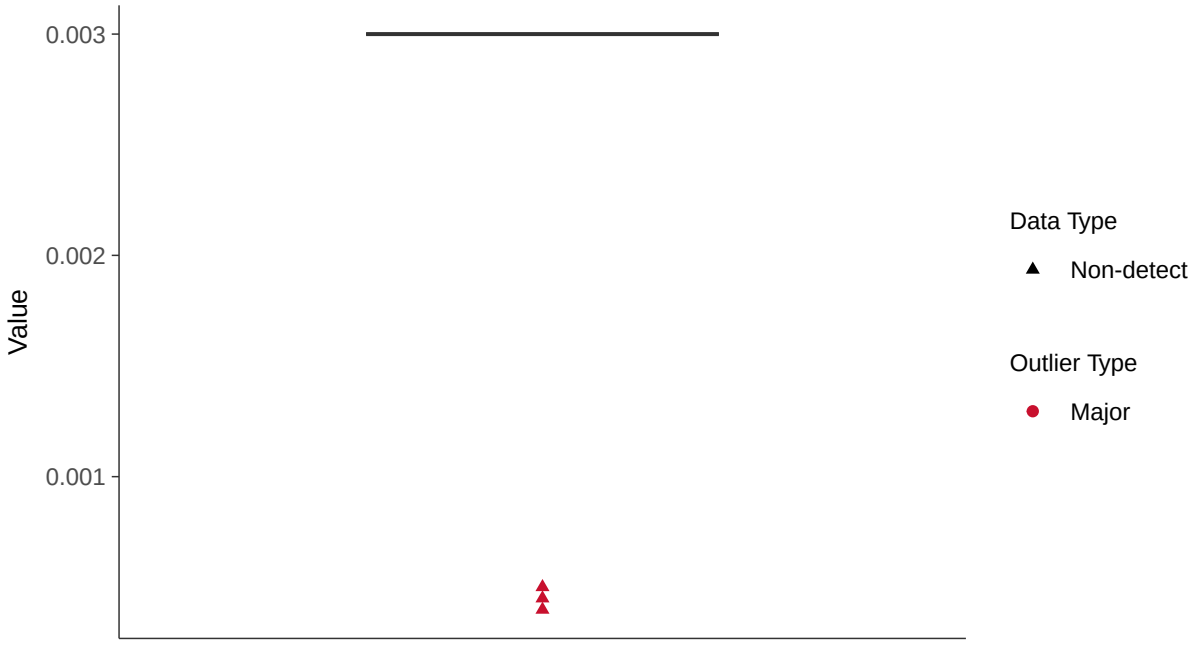
ID: 14_3_115





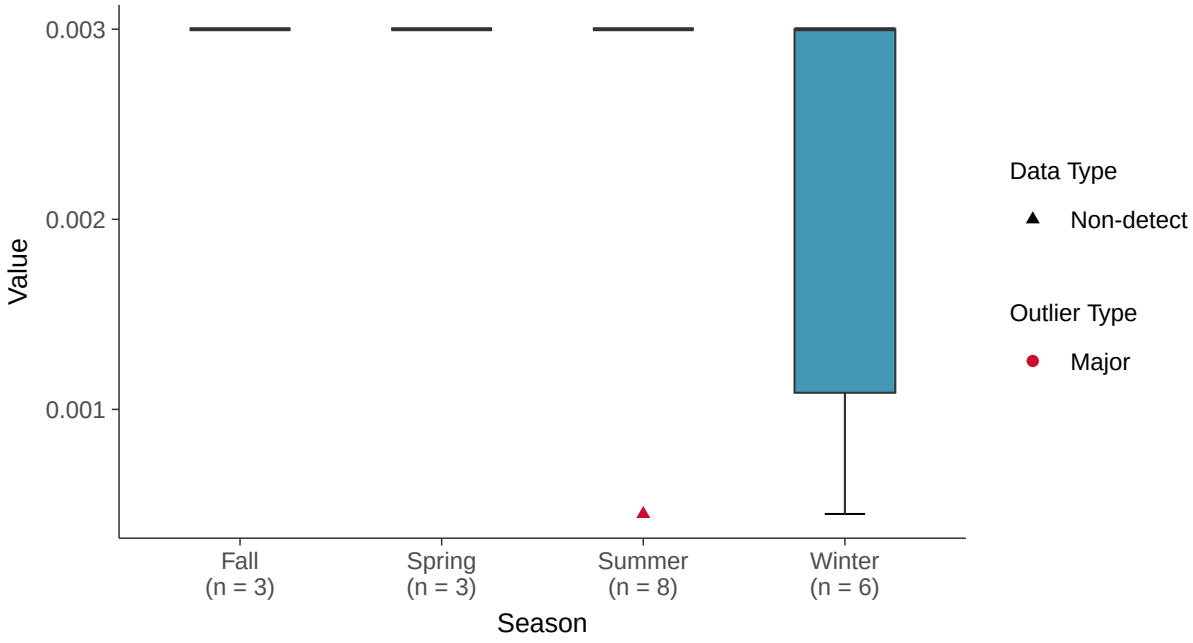
Boxplot

Lead, MW-6 (mg/l)



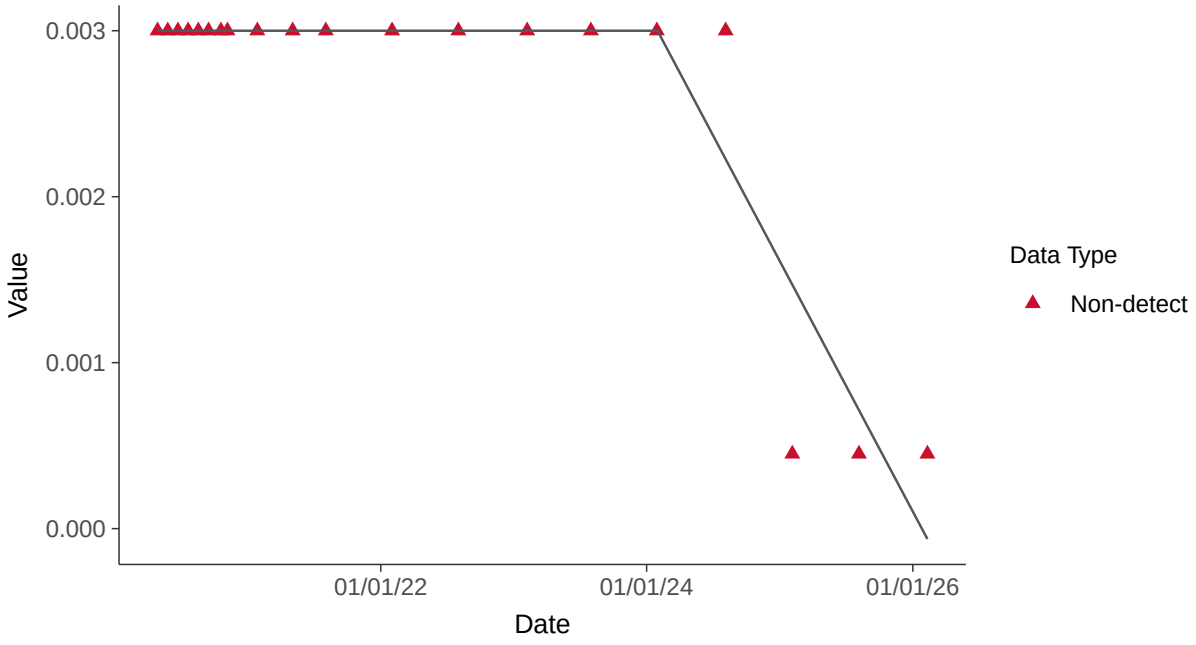
Boxplot by Season

Lead, MW-6 (mg/l)



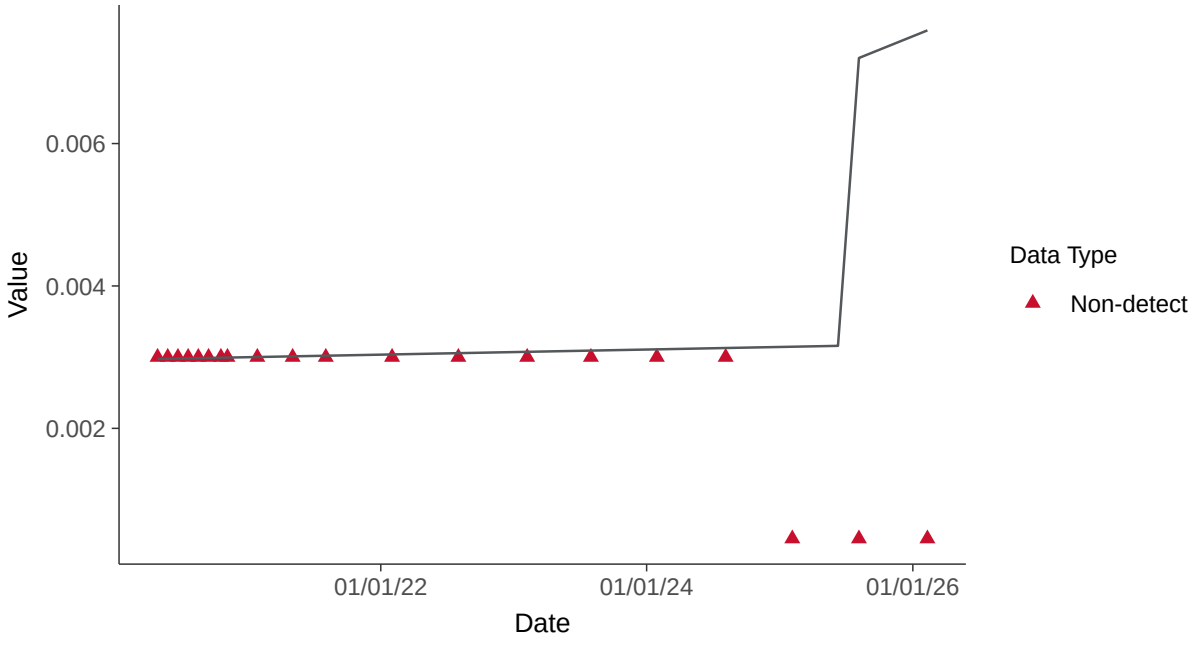
Trend Regression: Piecewise Linear-Linear

Lead, MW-6 (mg/l)



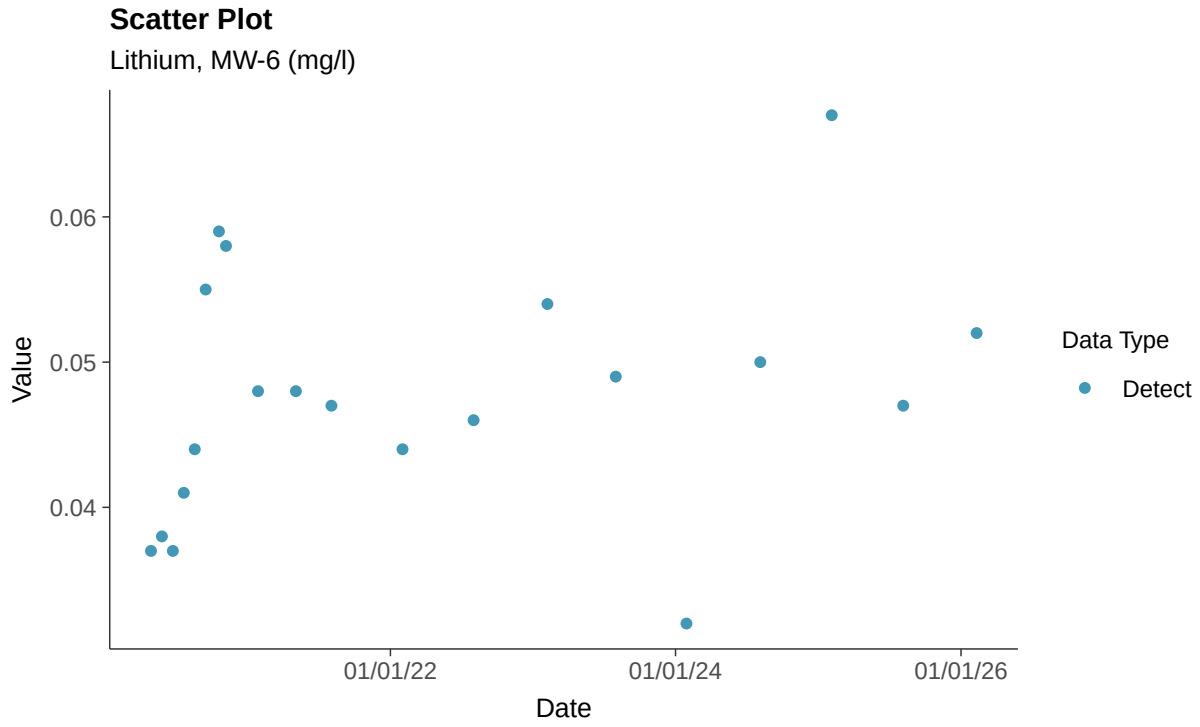
Trend Regression: Piecewise Linear-Linear-Linear

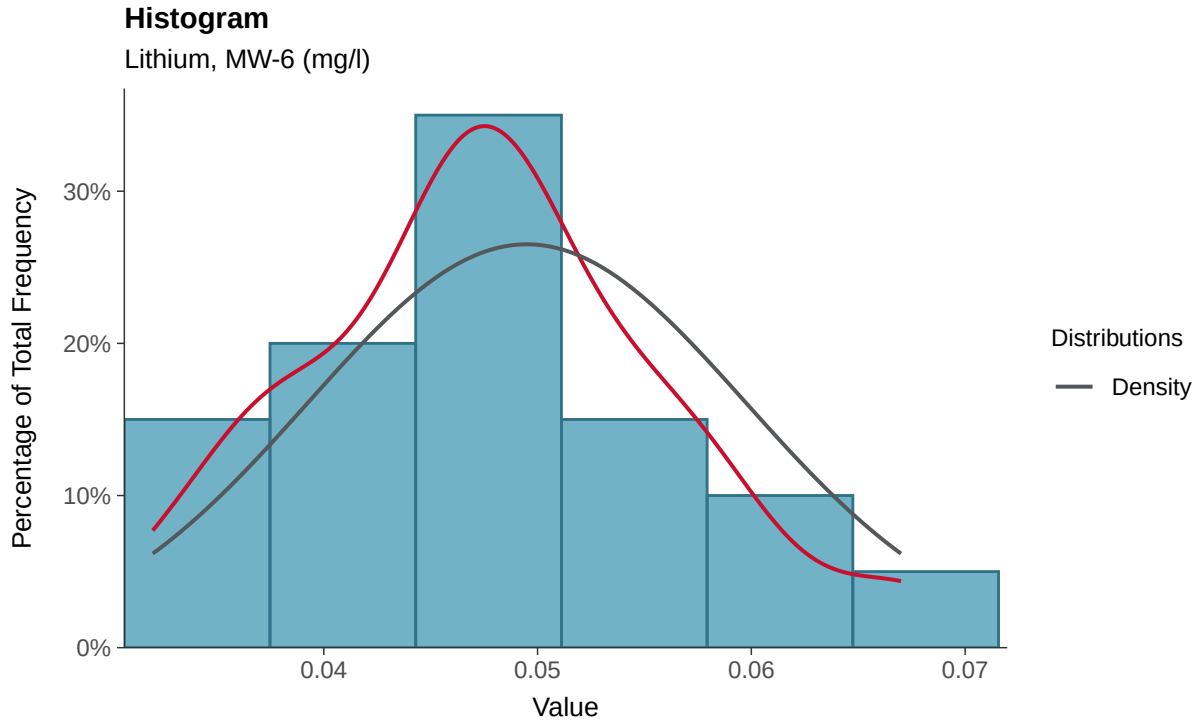
Lead, MW-6 (mg/l)



Appendix IV: Lithium, MW-6

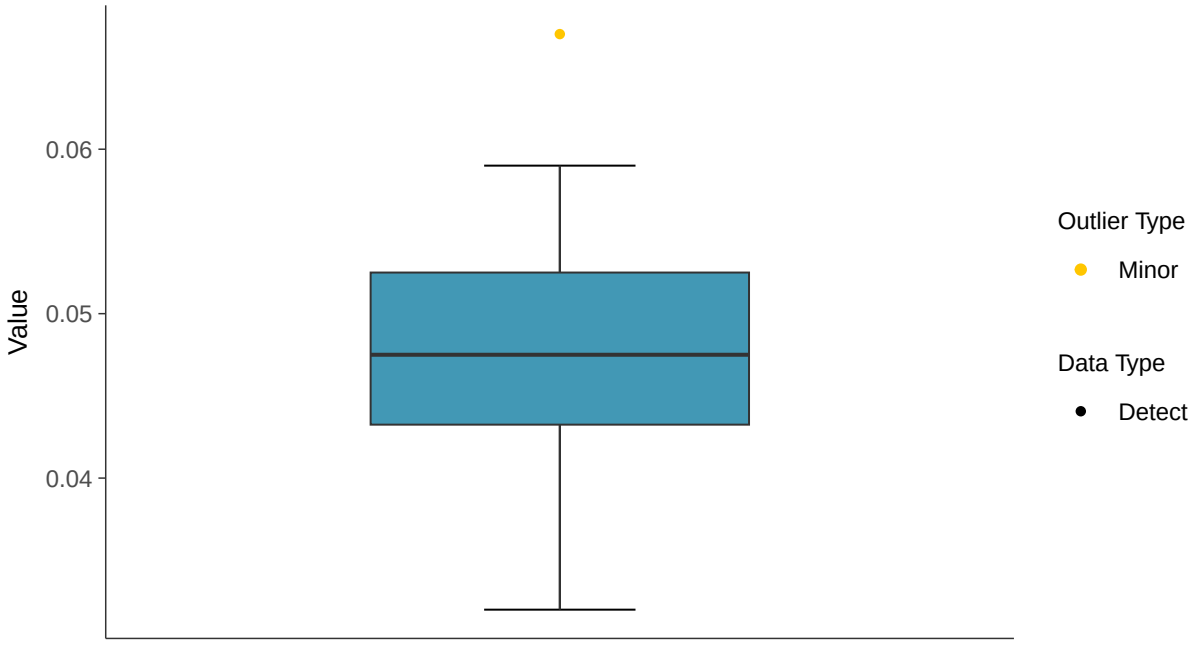
ID: 14_3_116





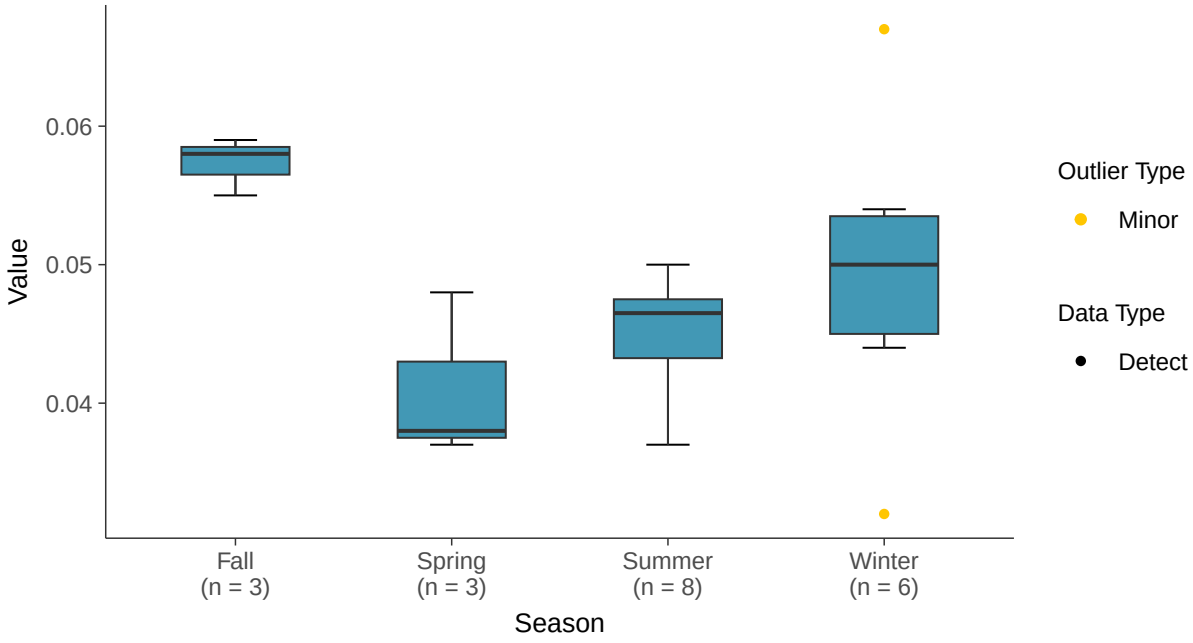
Boxplot

Lithium, MW-6 (mg/l)



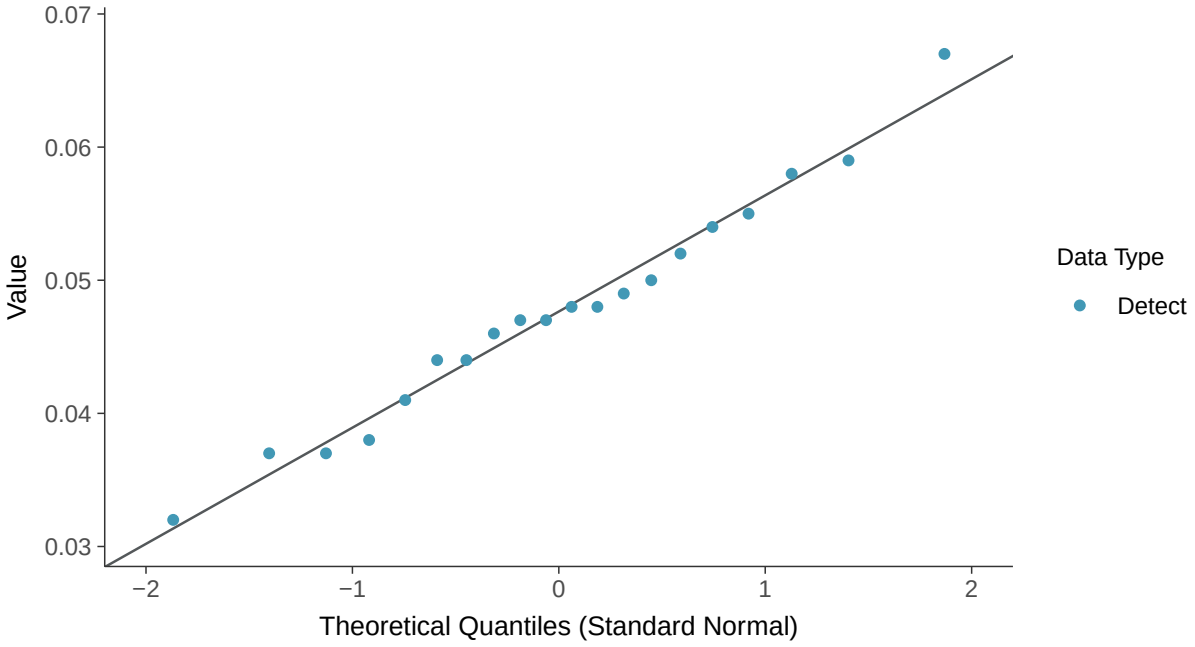
Boxplot by Season

Lithium, MW-6 (mg/l)



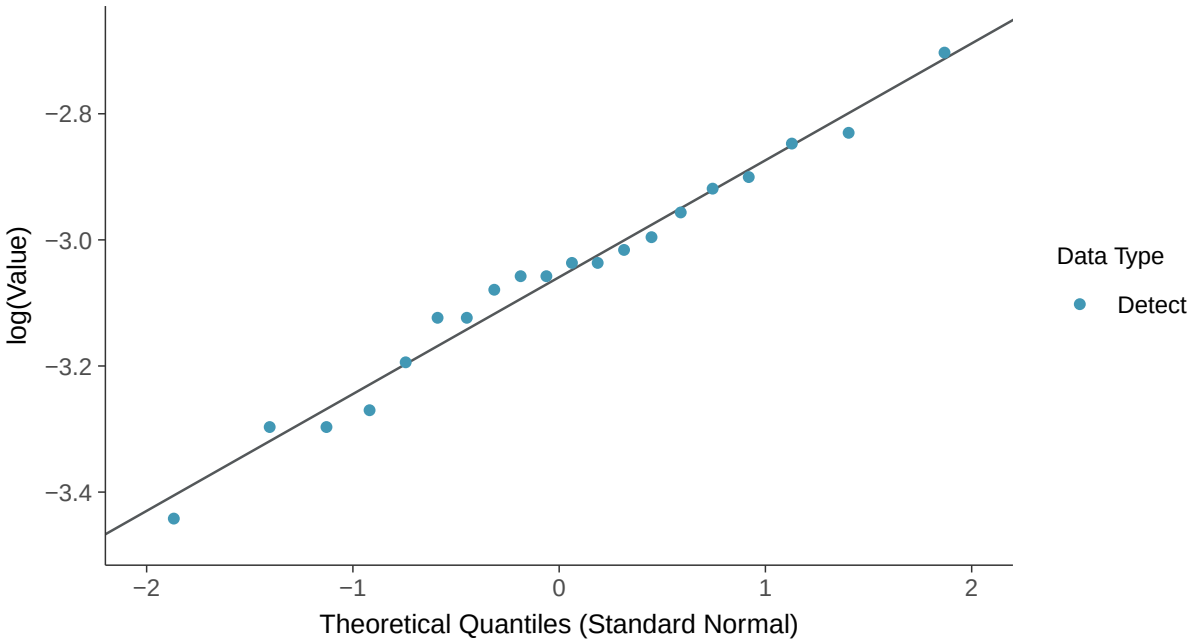
Normal Q-Q plot

Lithium, MW-6 (mg/l)



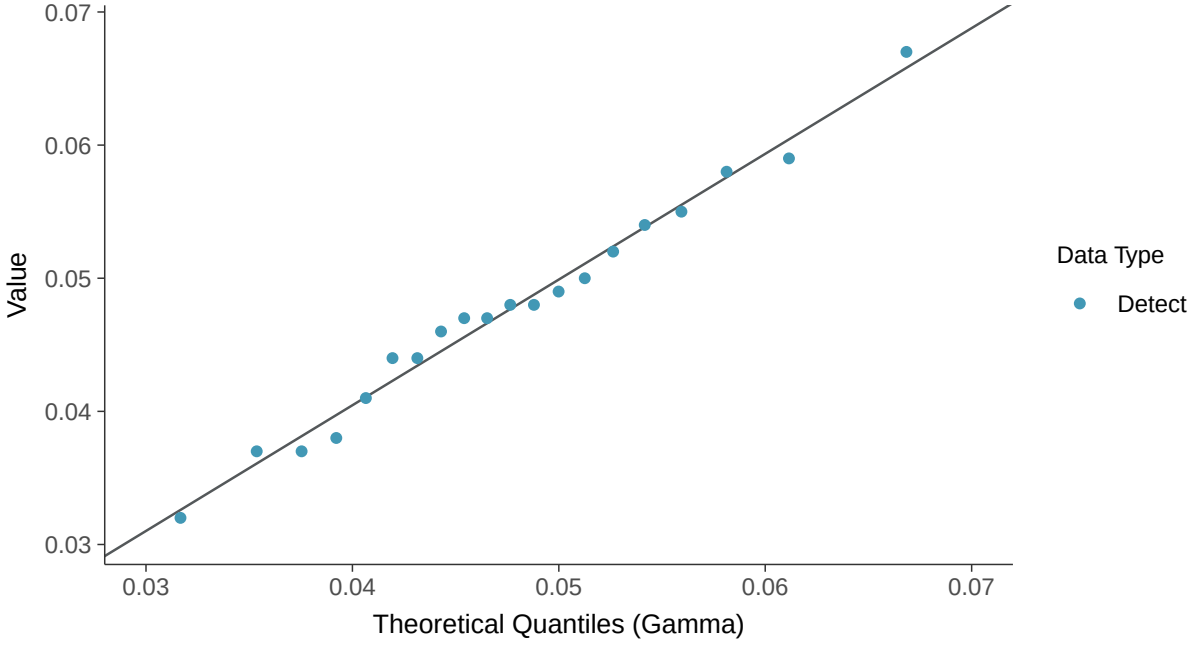
Lognormal Q-Q plot

Lithium, MW-6 (mg/l)



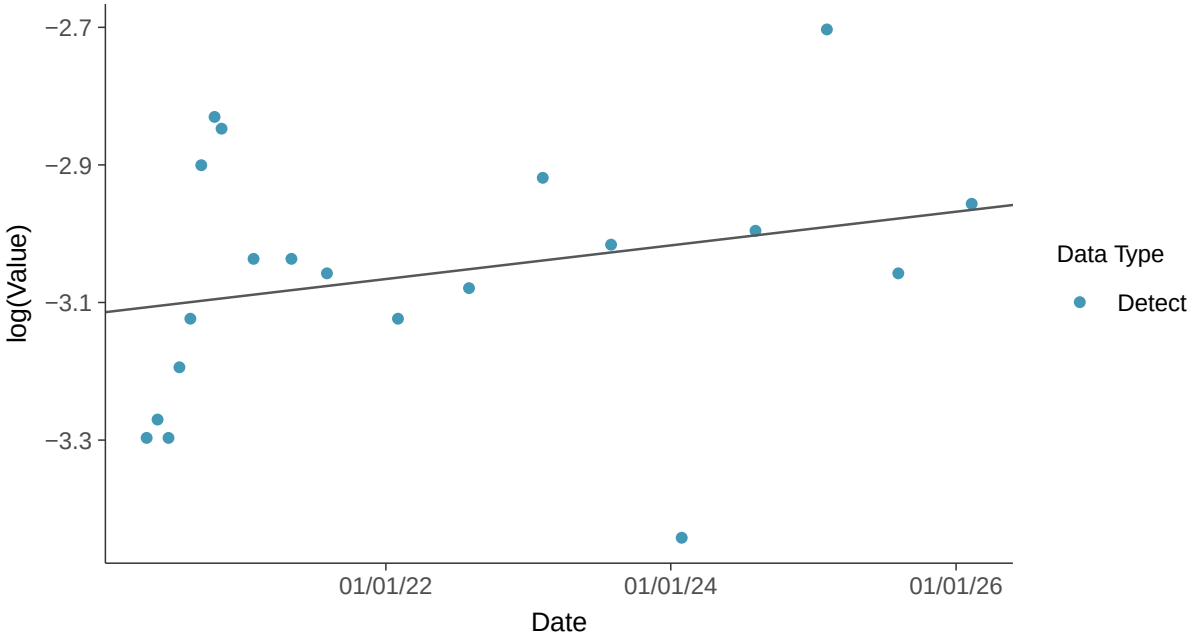
Gamma Q-Q plot

Lithium, MW-6 (mg/l)



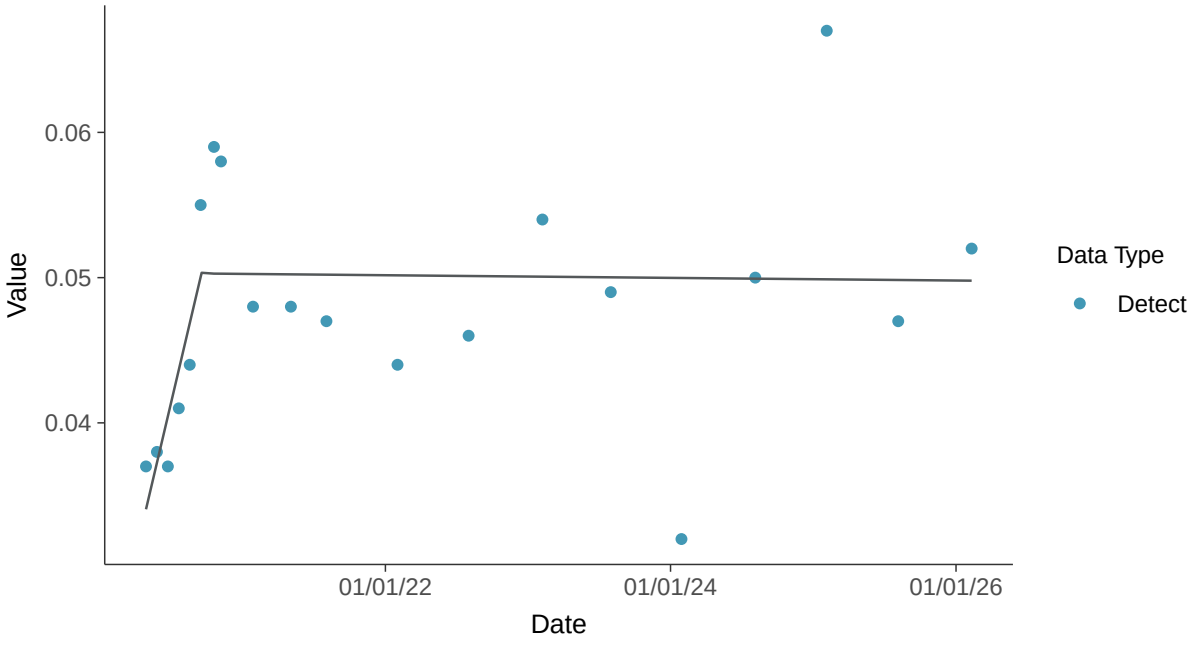
Trend Regression: Lognormal MLE

Lithium, MW-6 (mg/l)



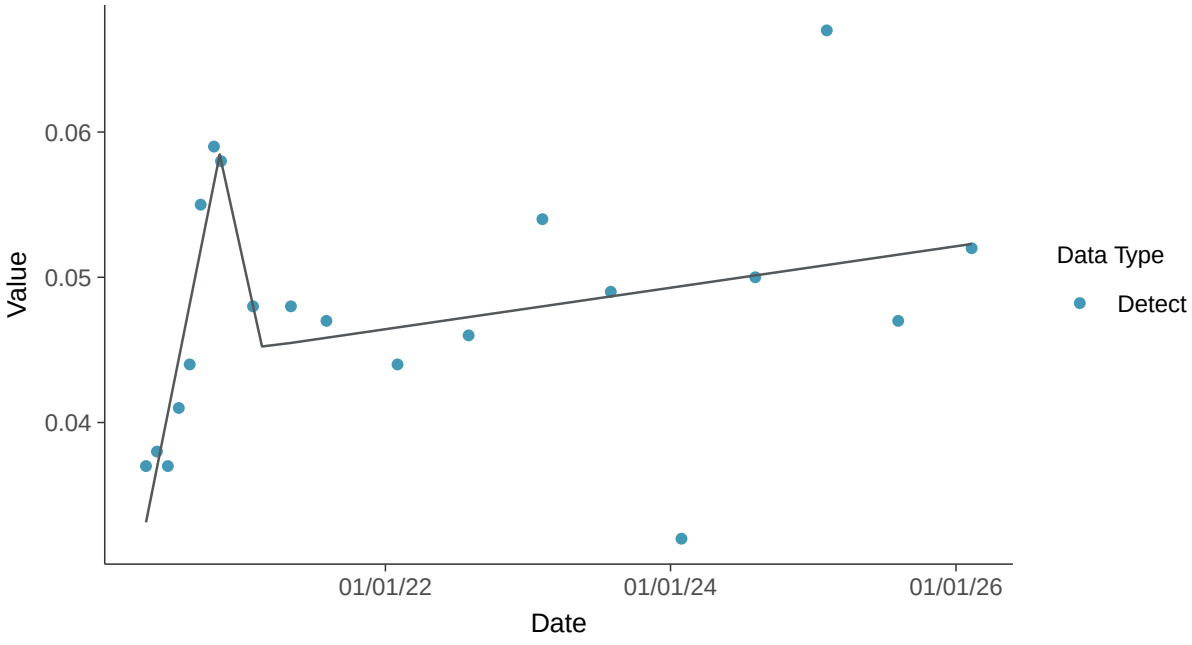
Trend Regression: Piecewise Linear-Linear

Lithium, MW-6 (mg/l)



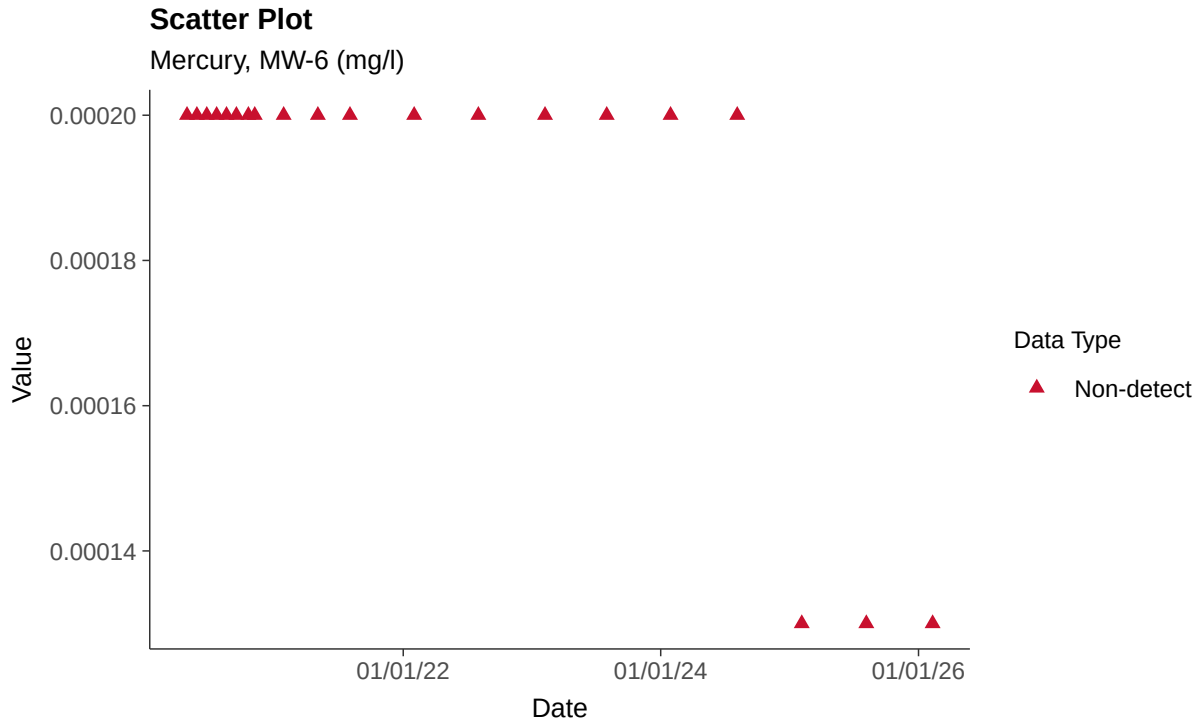
Trend Regression: Piecewise Linear-Linear-Linear

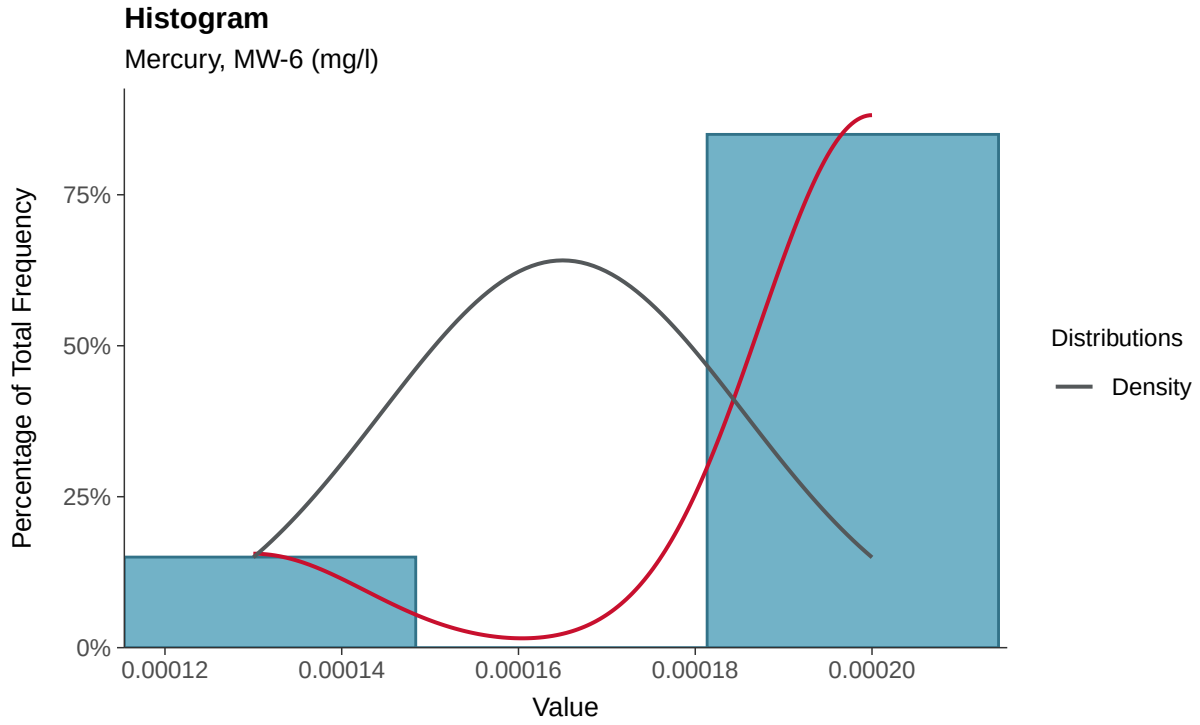
Lithium, MW-6 (mg/l)



Appendix IV: Mercury, MW-6

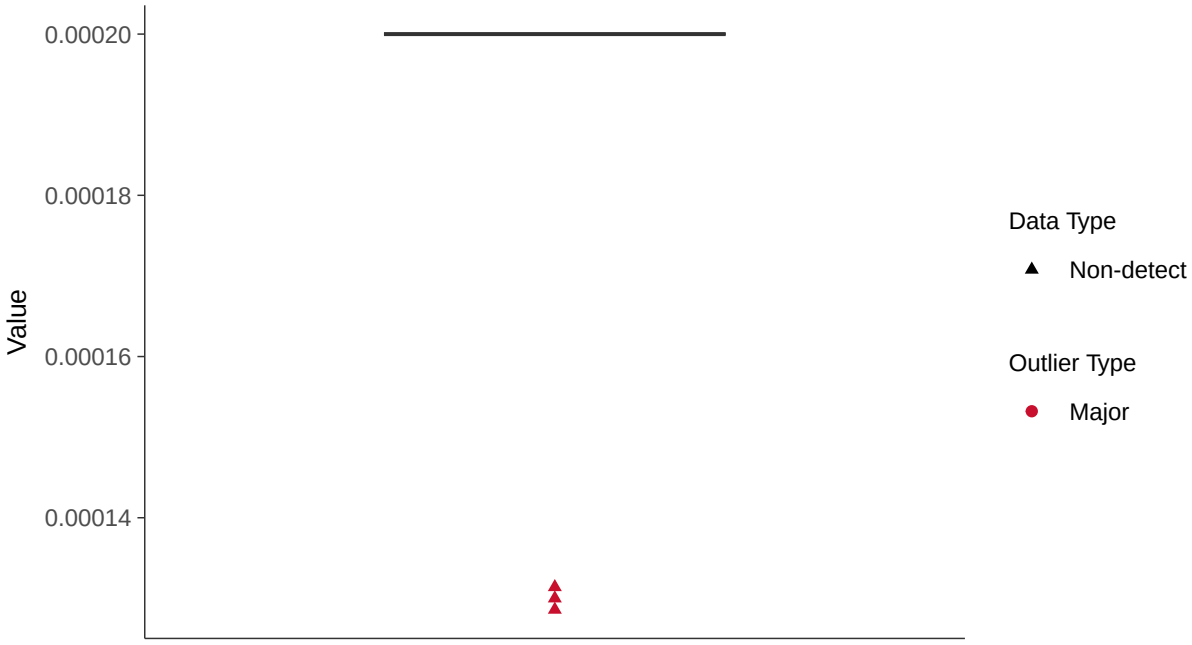
ID: 14_3_117





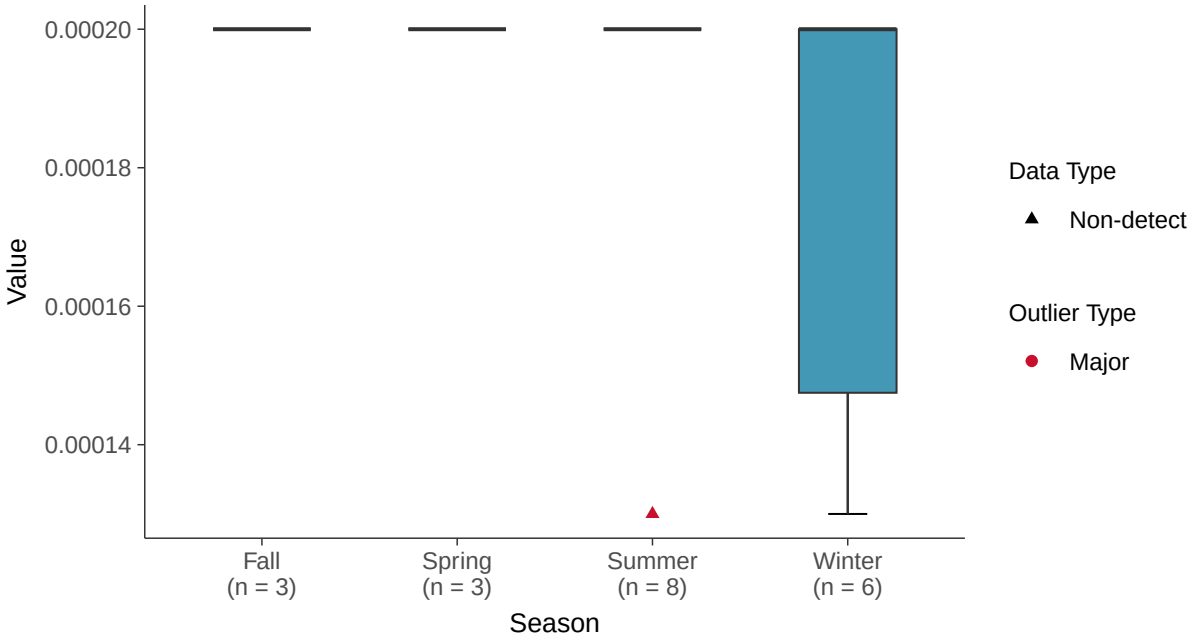
Boxplot

Mercury, MW-6 (mg/l)



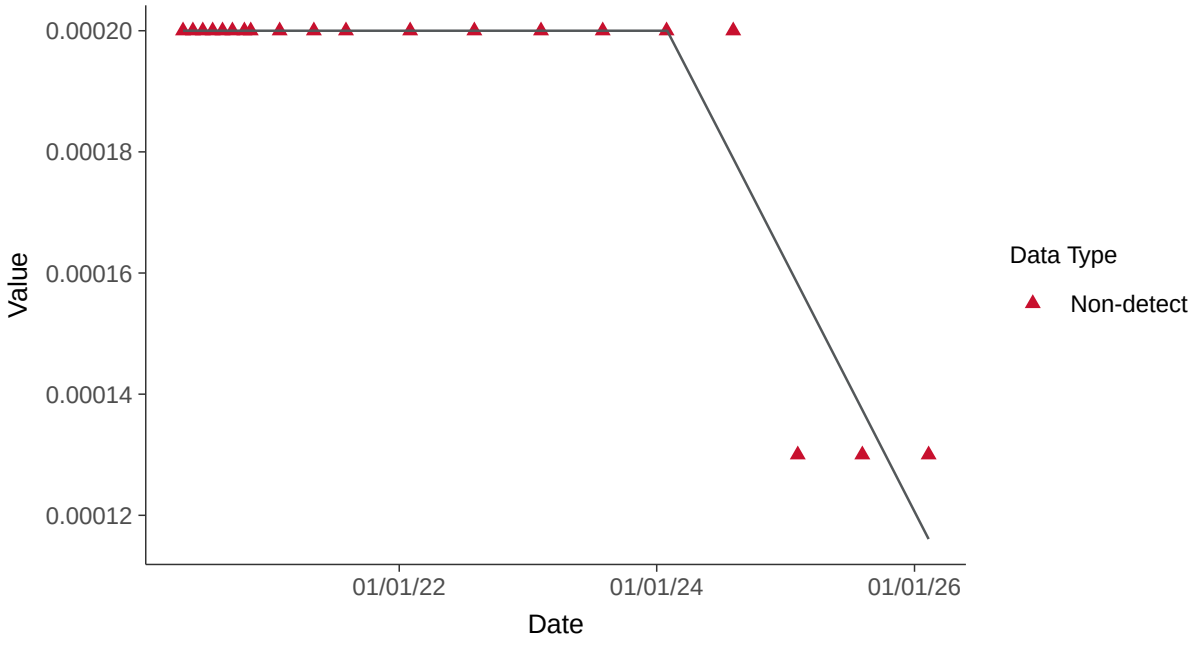
Boxplot by Season

Mercury, MW-6 (mg/l)



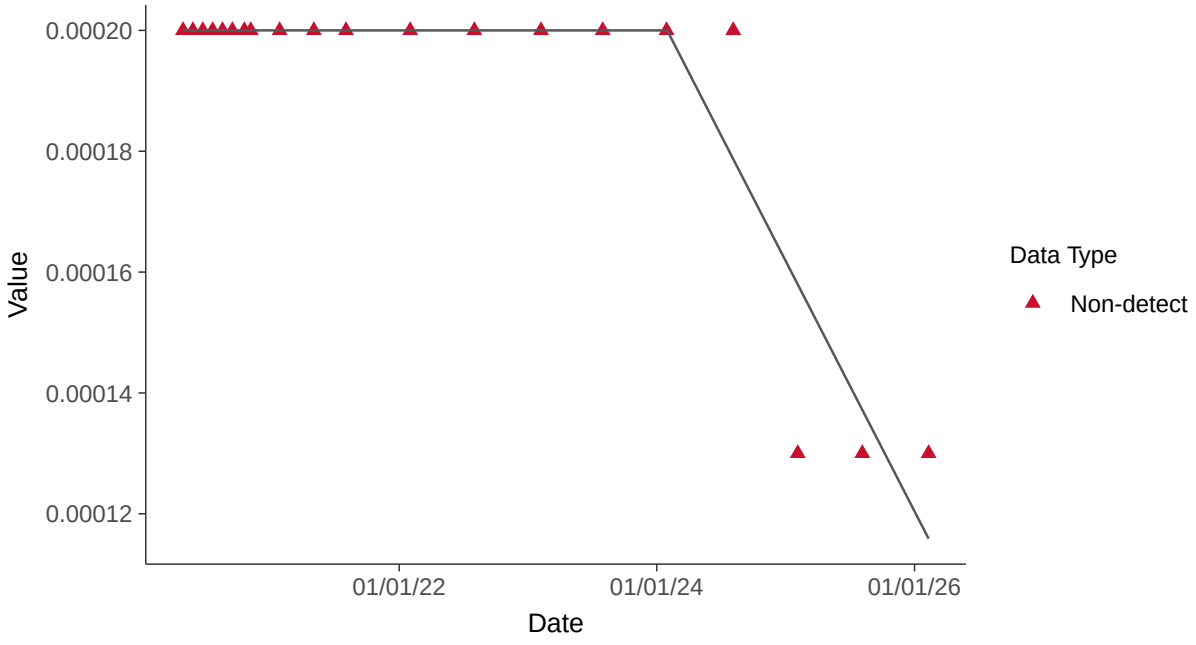
Trend Regression: Piecewise Linear-Linear

Mercury, MW-6 (mg/l)



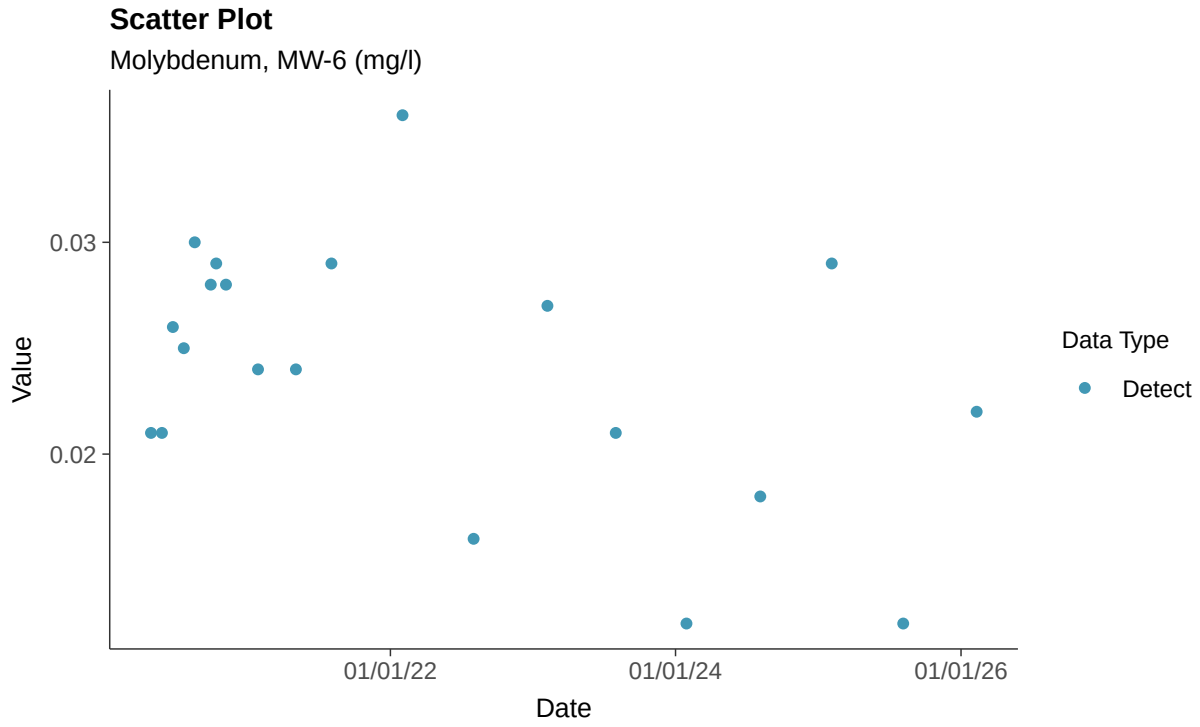
Trend Regression: Piecewise Linear-Linear-Linear

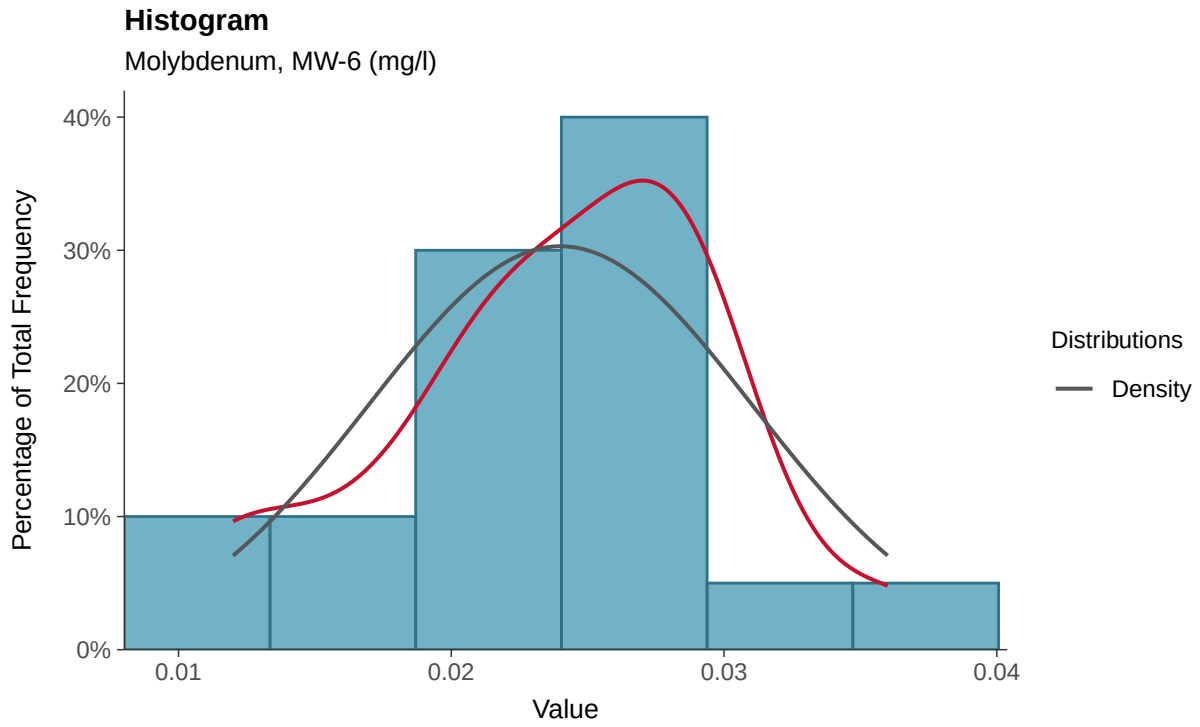
Mercury, MW-6 (mg/l)



Appendix IV: Molybdenum, MW-6

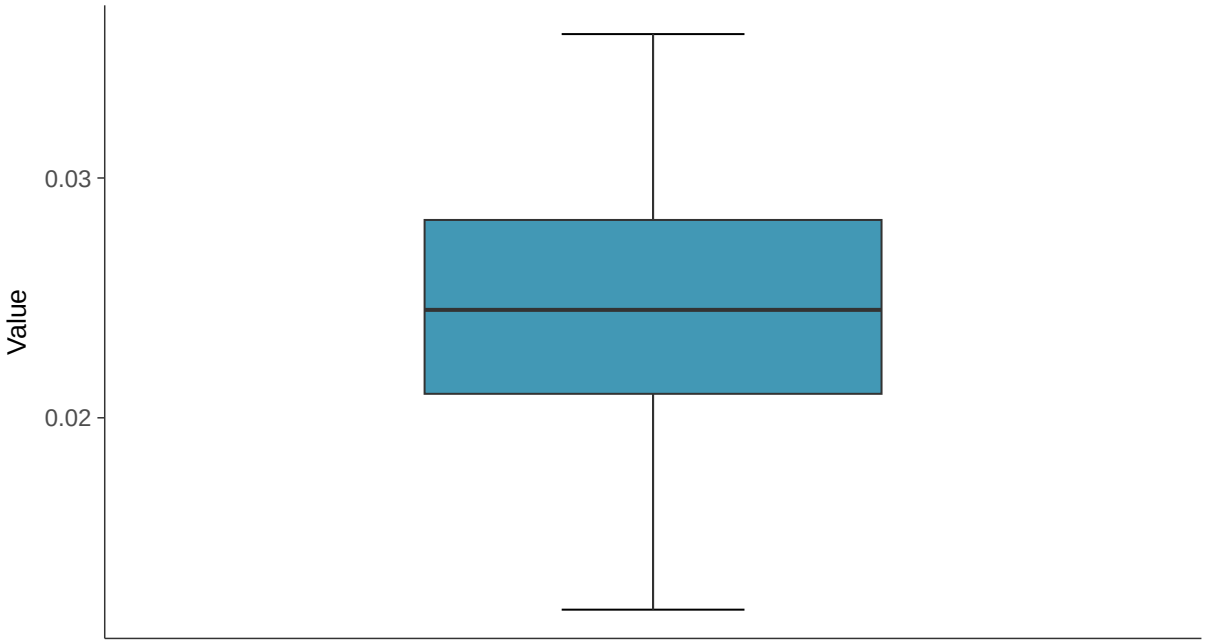
ID: 14_3_118





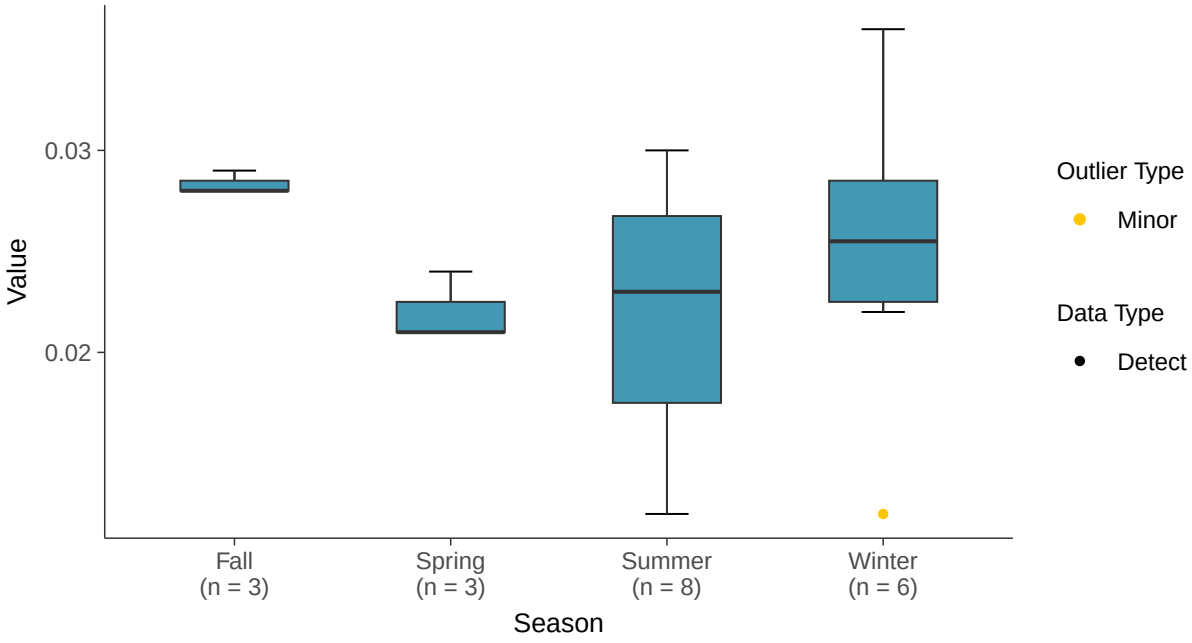
Boxplot

Molybdenum, MW-6 (mg/l)



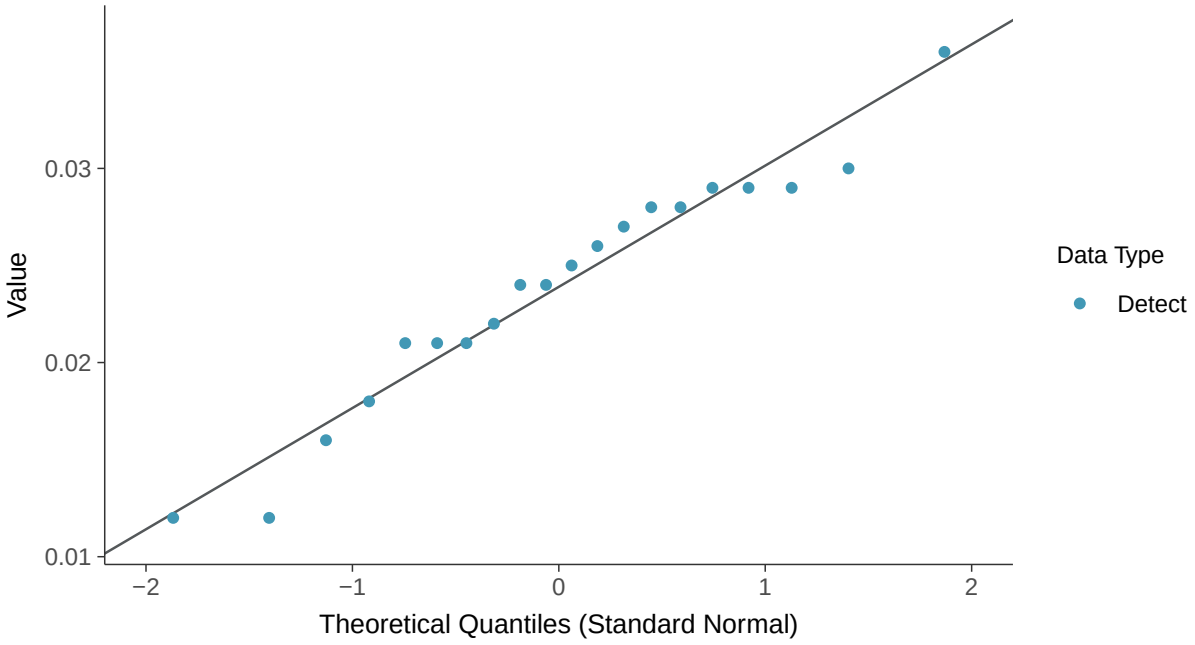
Boxplot by Season

Molybdenum, MW-6 (mg/l)



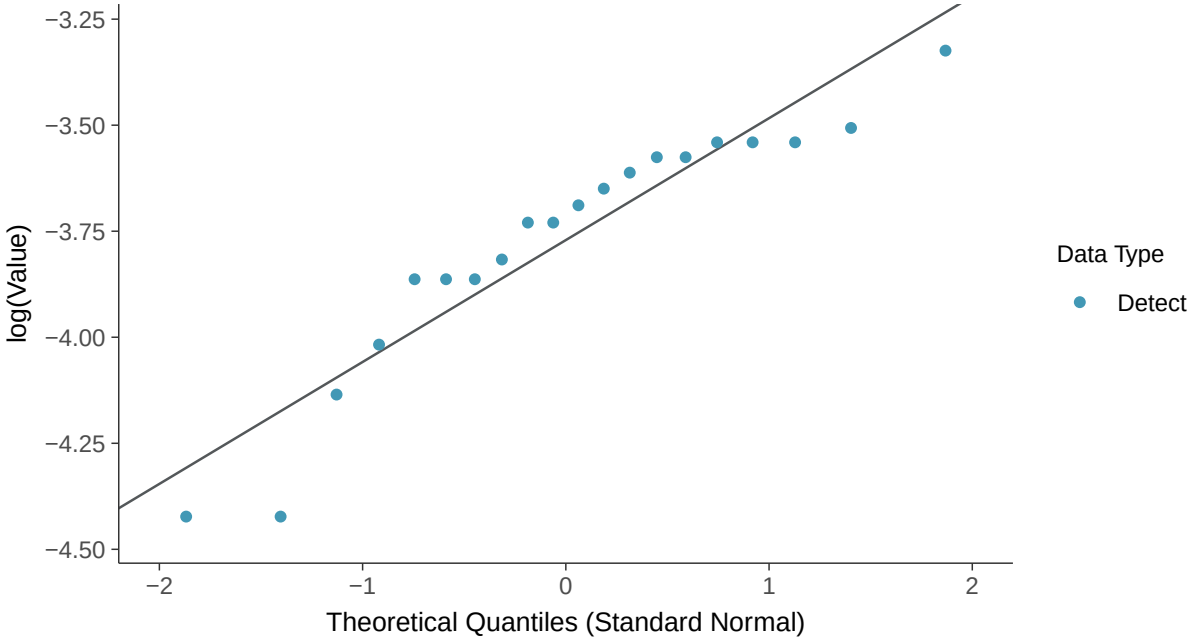
Normal Q-Q plot

Molybdenum, MW-6 (mg/l)



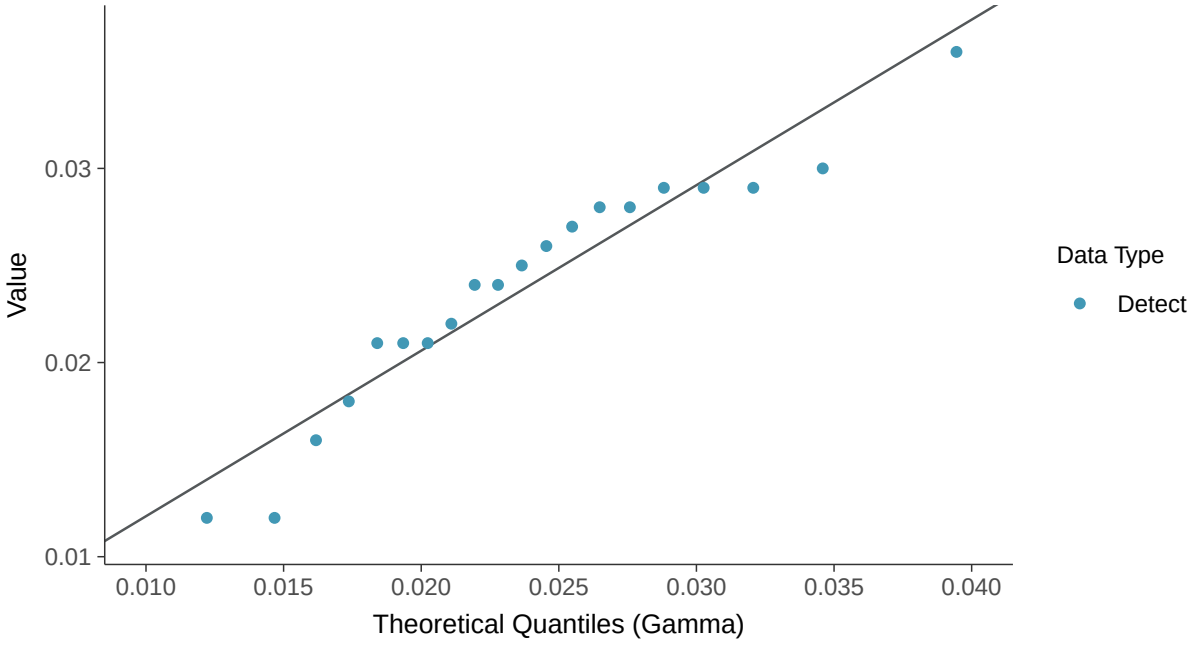
Lognormal Q-Q plot

Molybdenum, MW-6 (mg/l)



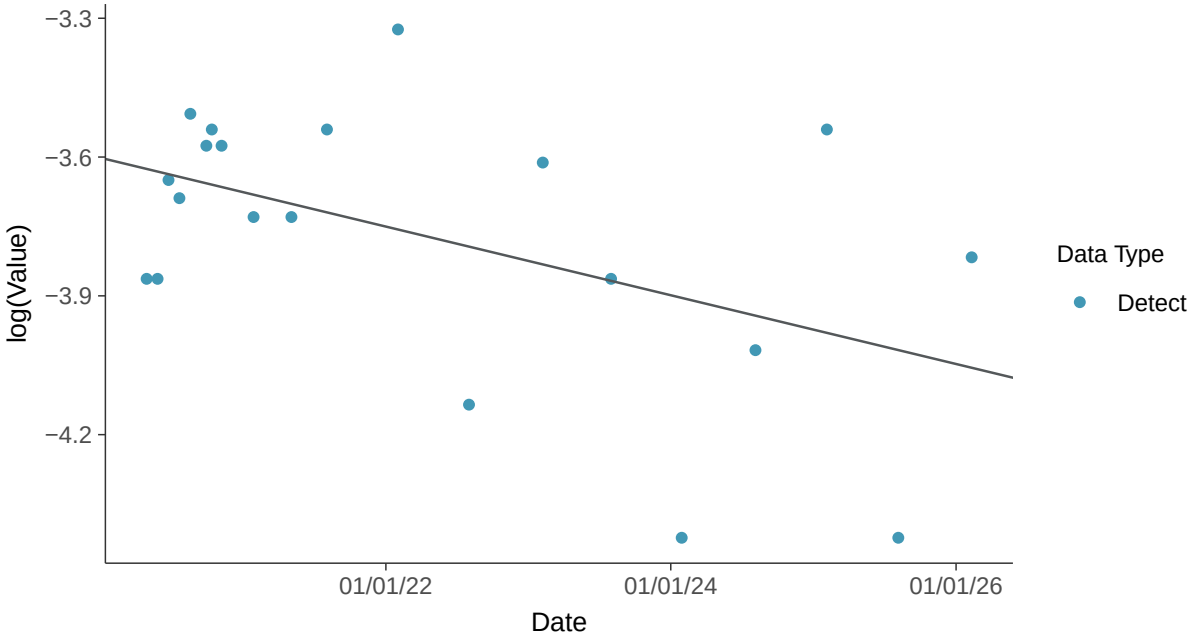
Gamma Q-Q plot

Molybdenum, MW-6 (mg/l)



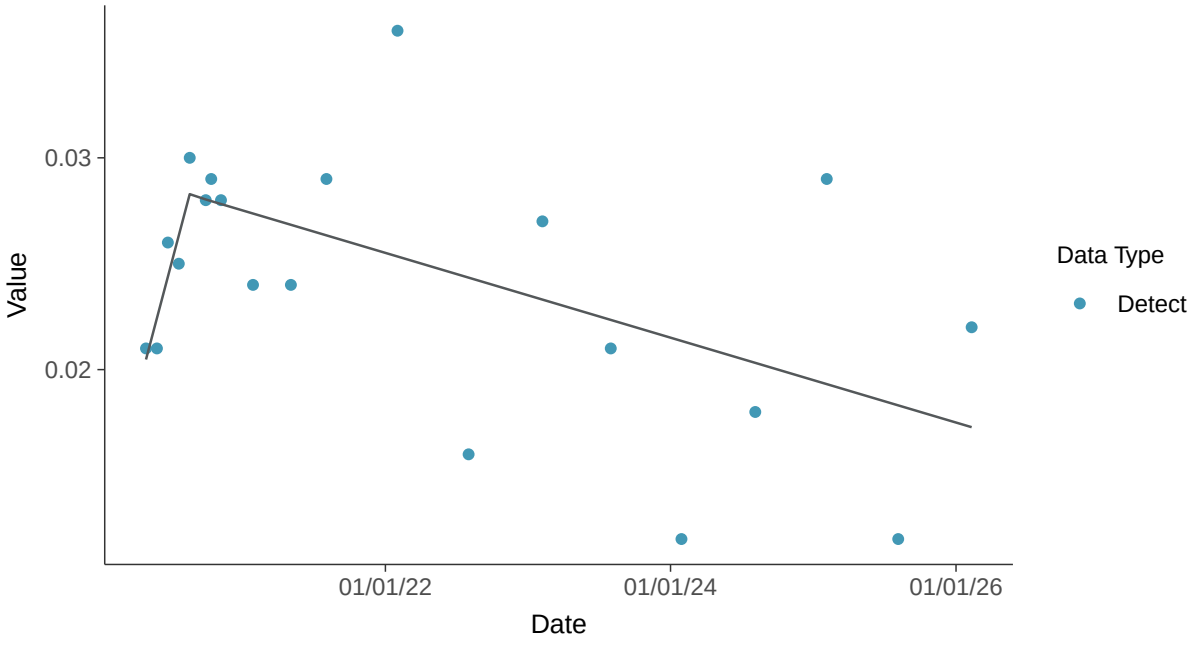
Trend Regression: Lognormal MLE

Molybdenum, MW-6 (mg/l)



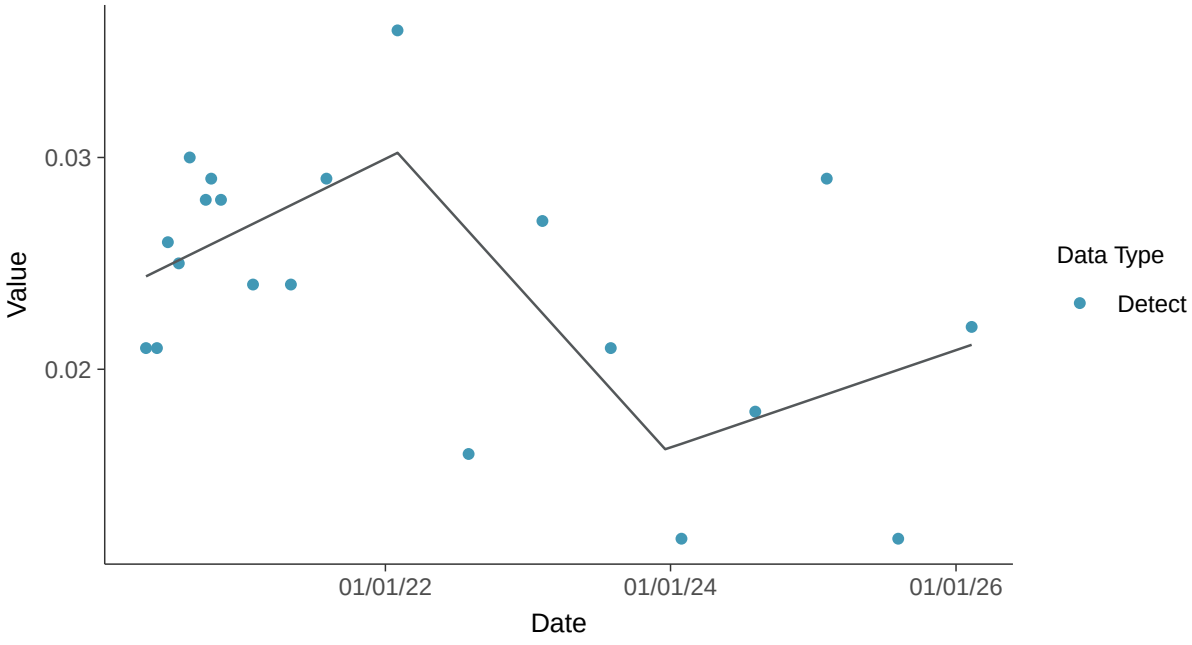
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-6 (mg/l)



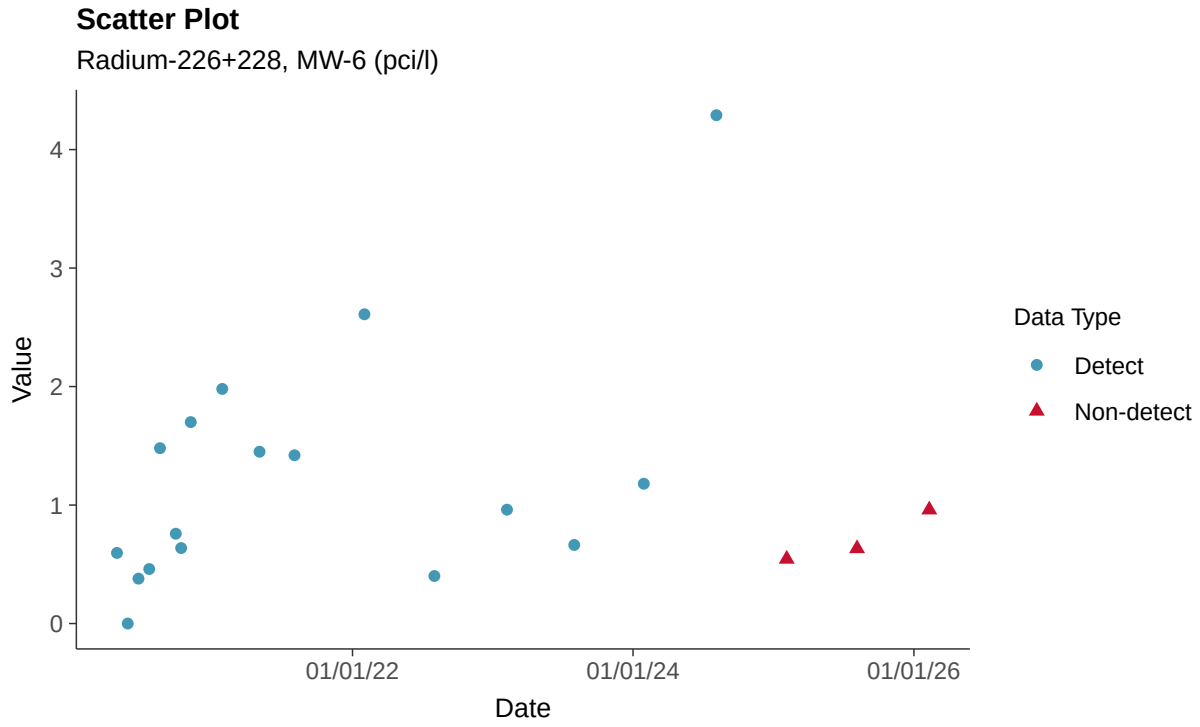
Trend Regression: Piecewise Linear-Linear-Linear

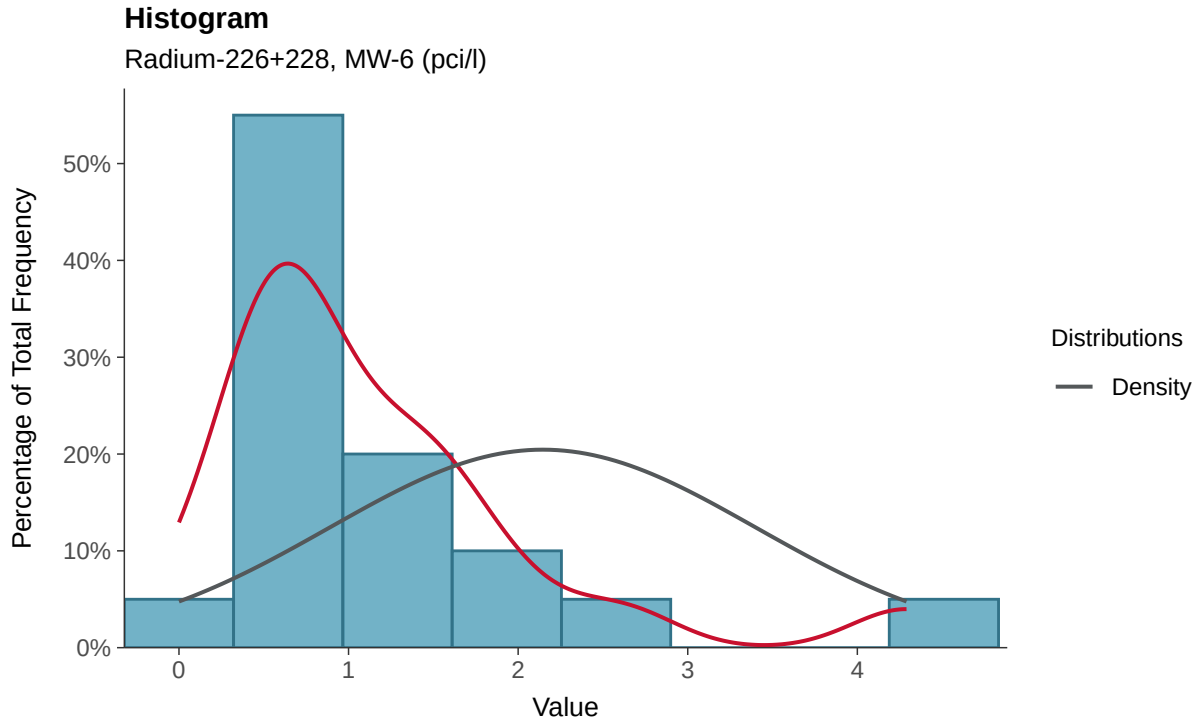
Molybdenum, MW-6 (mg/l)



Appendix IV: Radium-226+228, MW-6

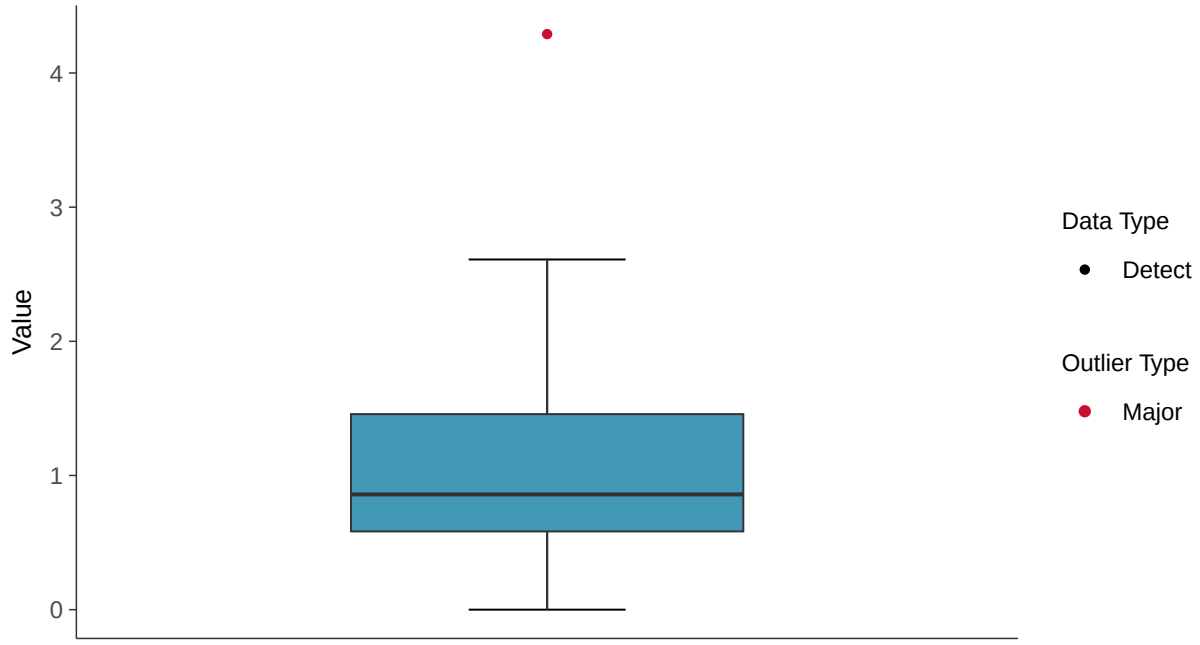
ID: 14_3_121





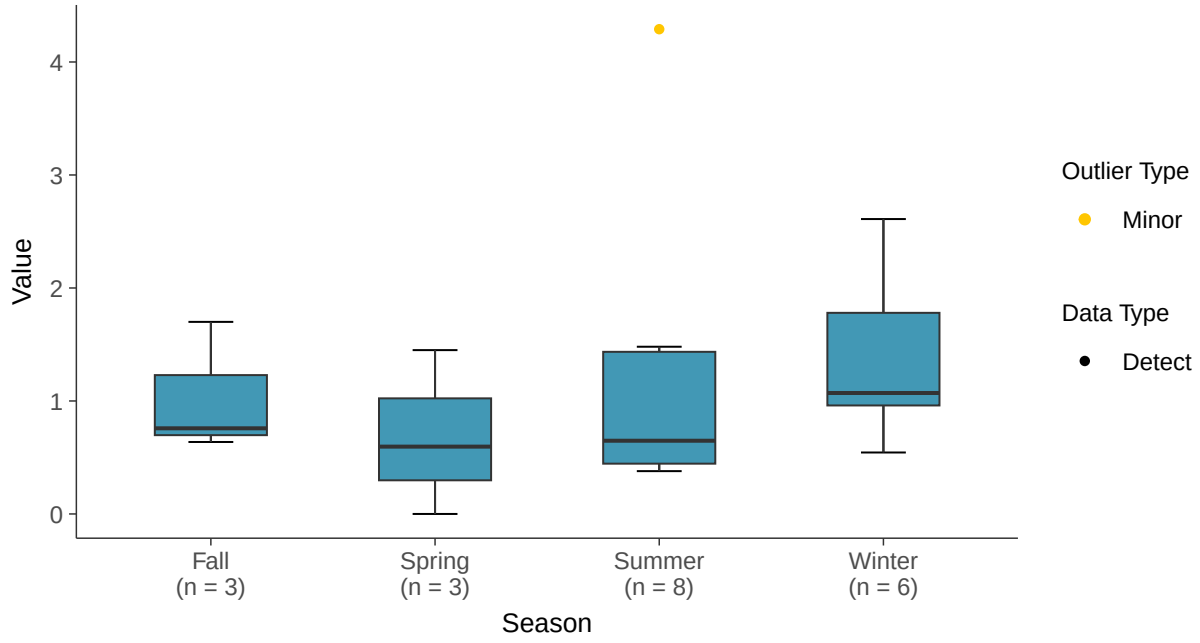
Boxplot

Radium-226+228, MW-6 (pci/l)



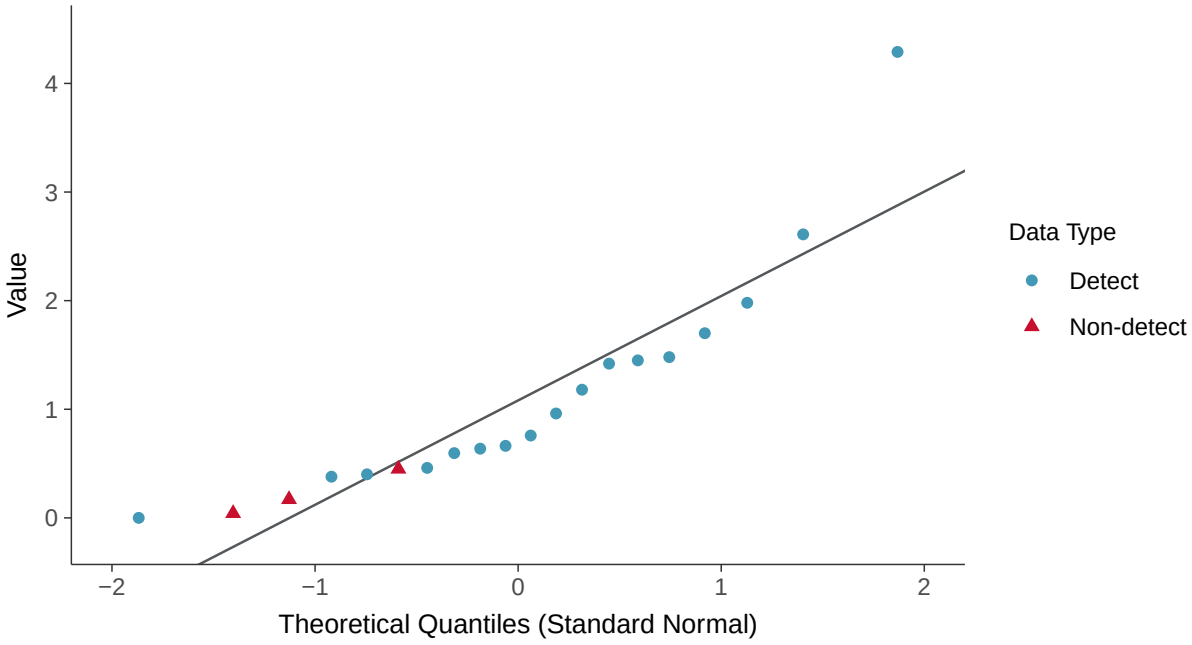
Boxplot by Season

Radium-226+228, MW-6 (pci/l)



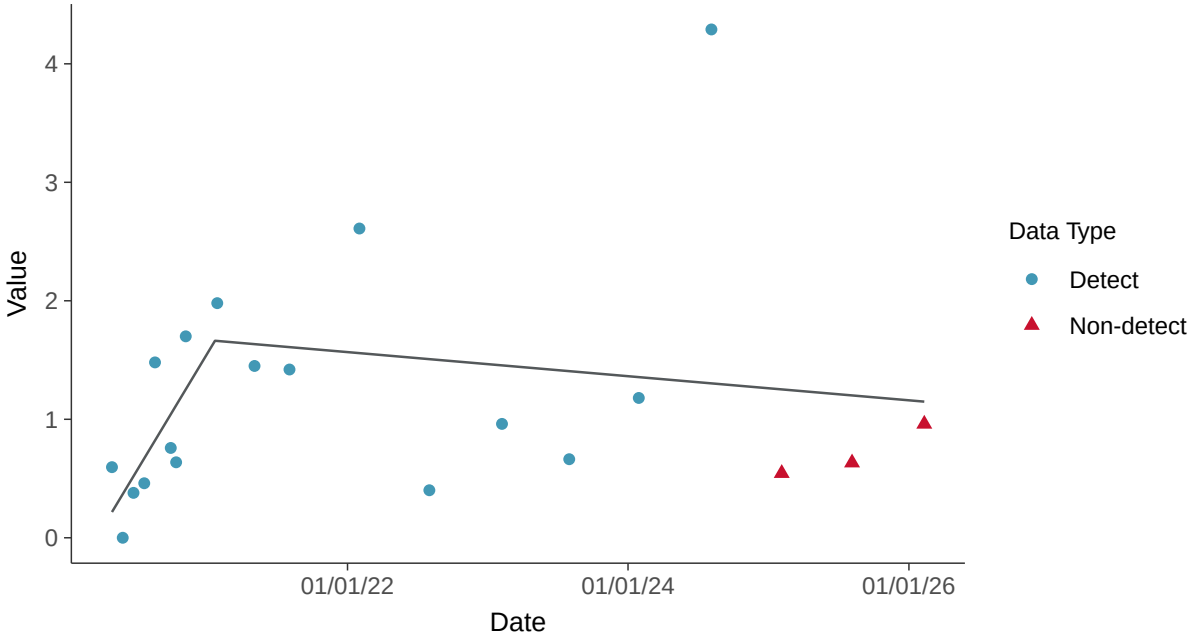
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-6 (pci/l)



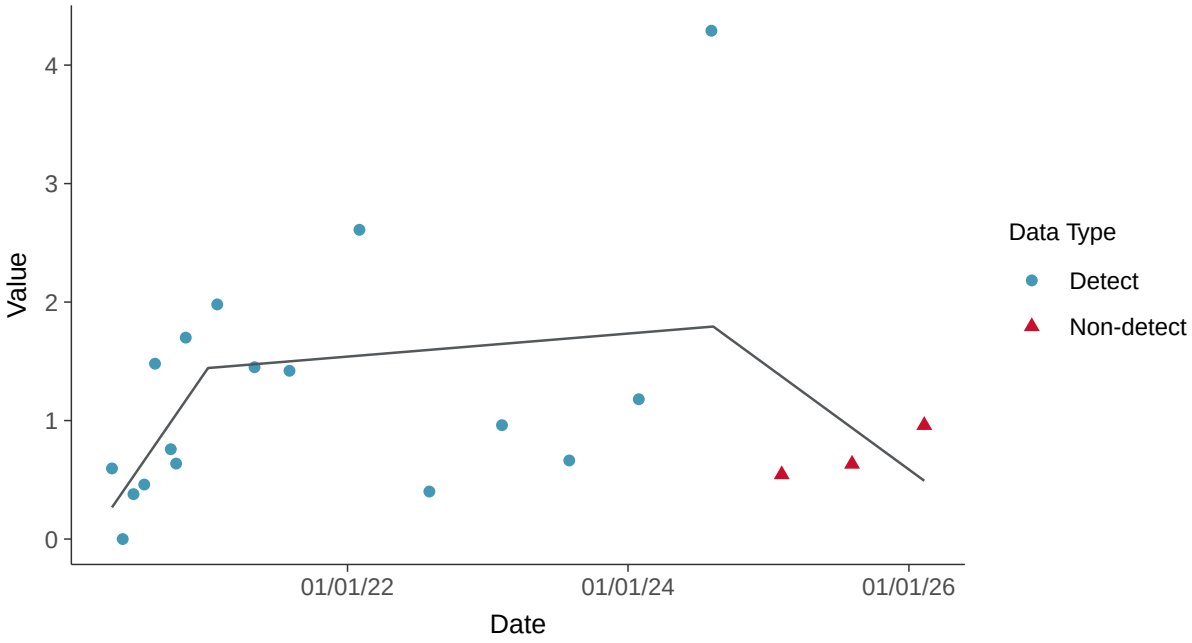
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-6 (pci/l)



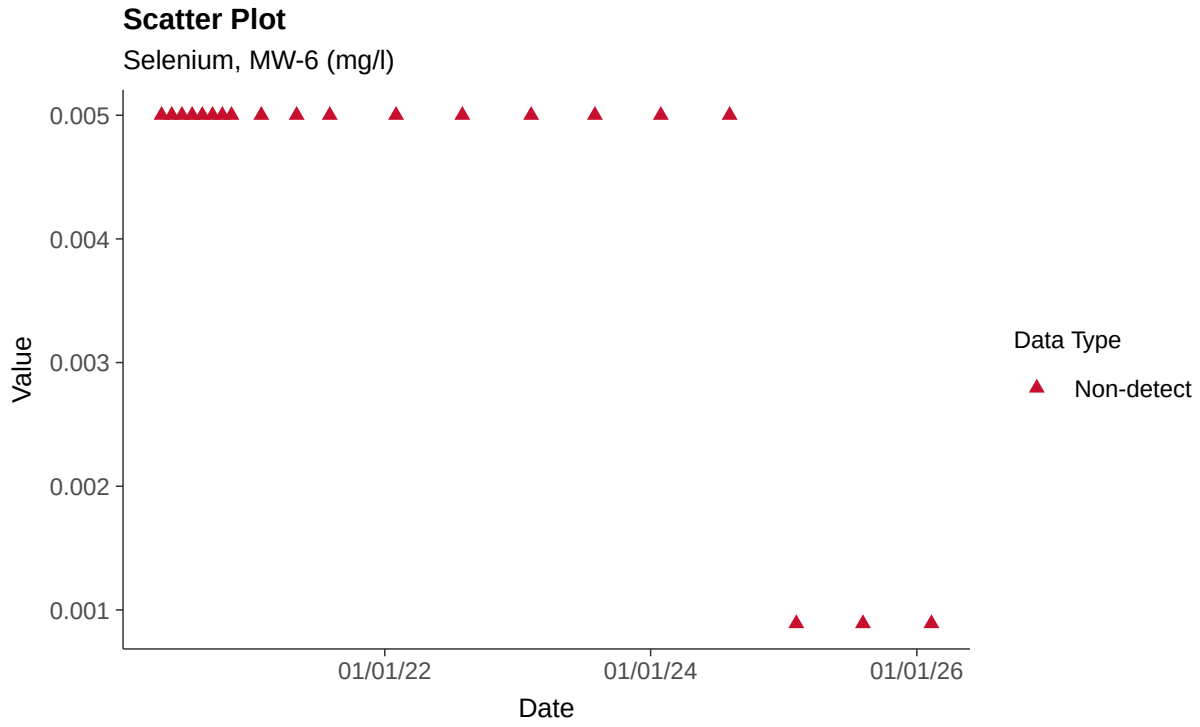
Trend Regression: Piecewise Linear-Linear-Linear

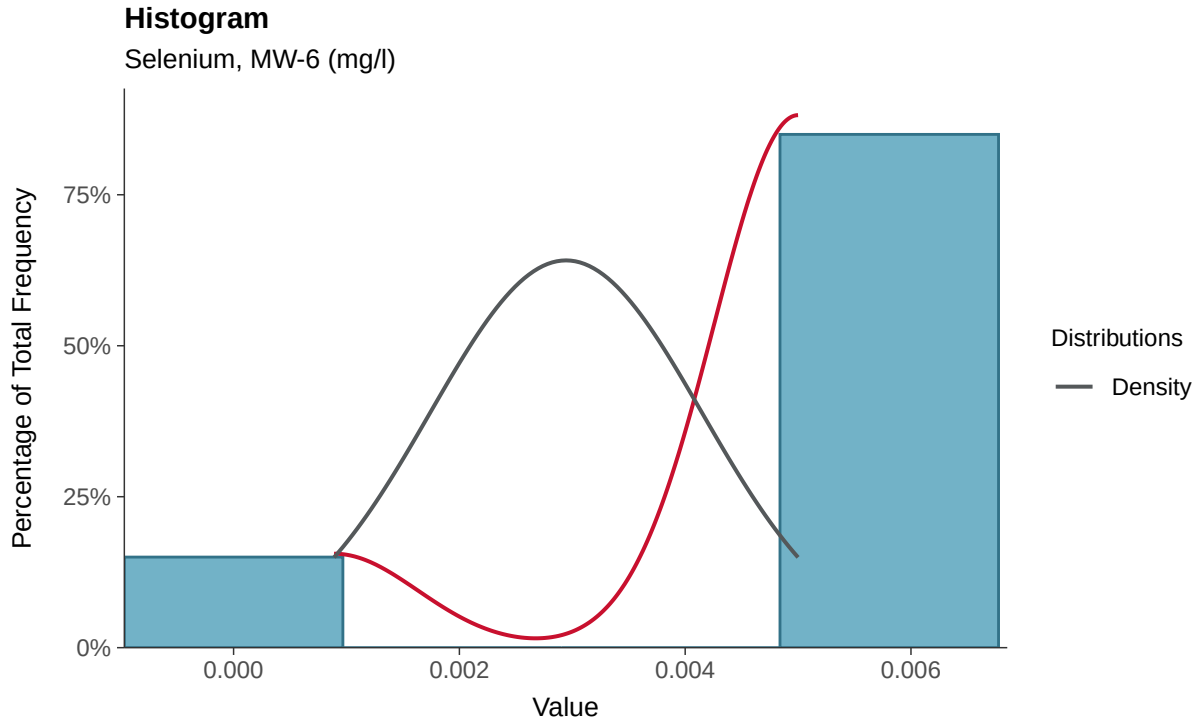
Radium-226+228, MW-6 (pci/l)



Appendix IV: Selenium, MW-6

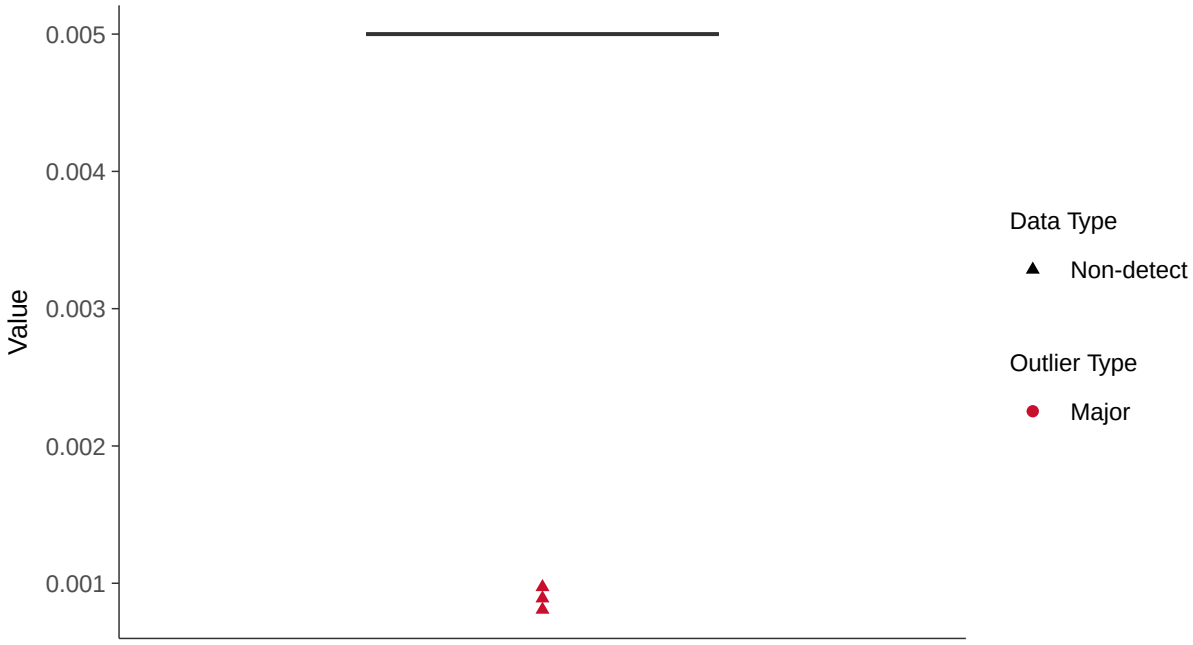
ID: 14_3_122





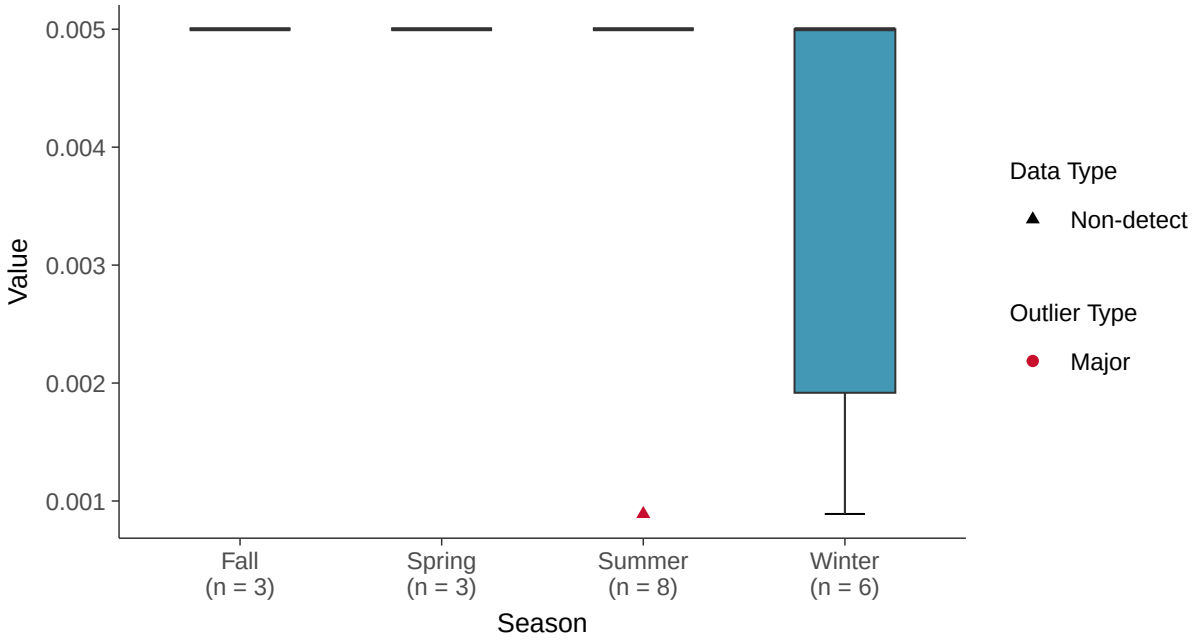
Boxplot

Selenium, MW-6 (mg/l)



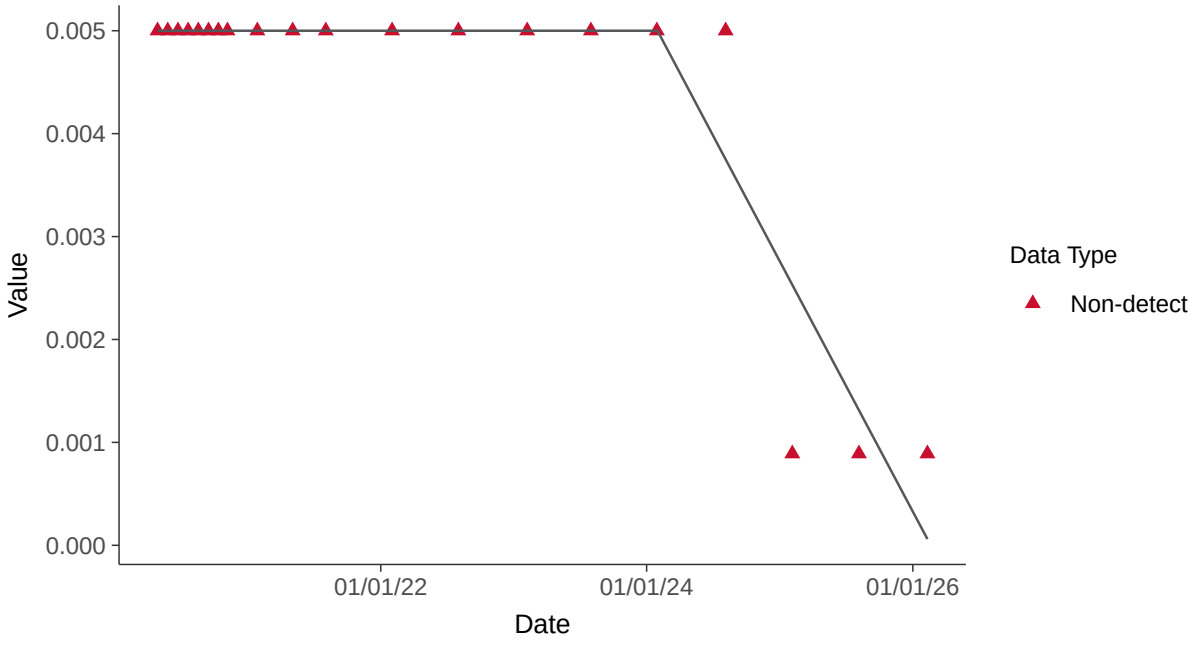
Boxplot by Season

Selenium, MW-6 (mg/l)



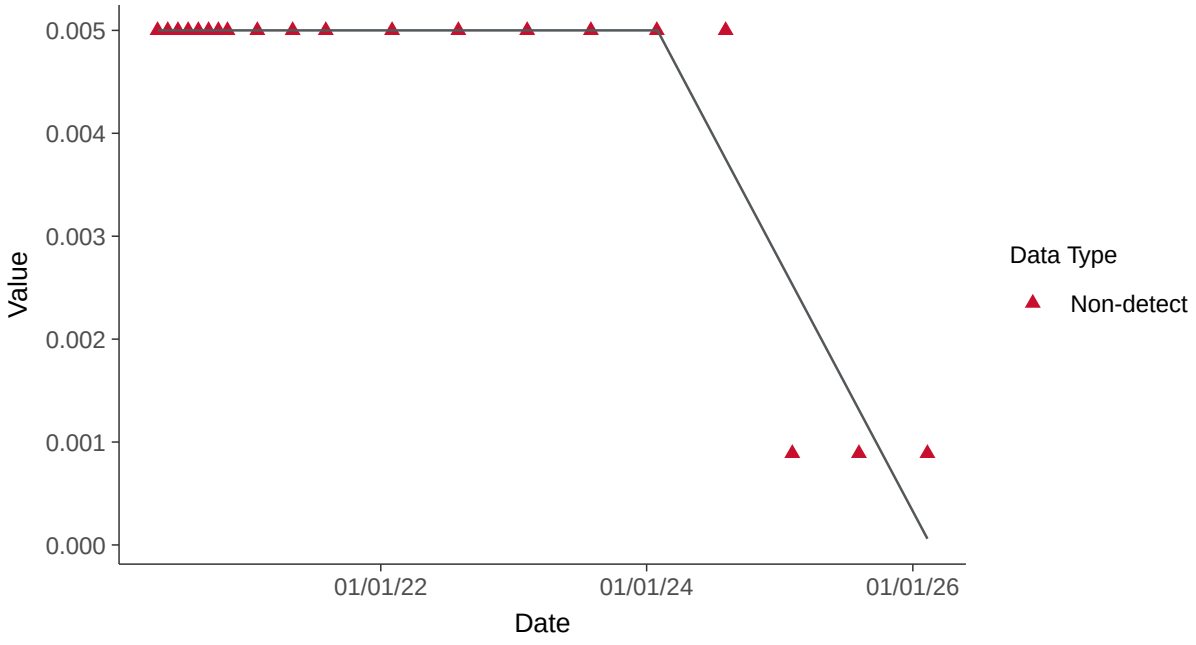
Trend Regression: Piecewise Linear-Linear

Selenium, MW-6 (mg/l)



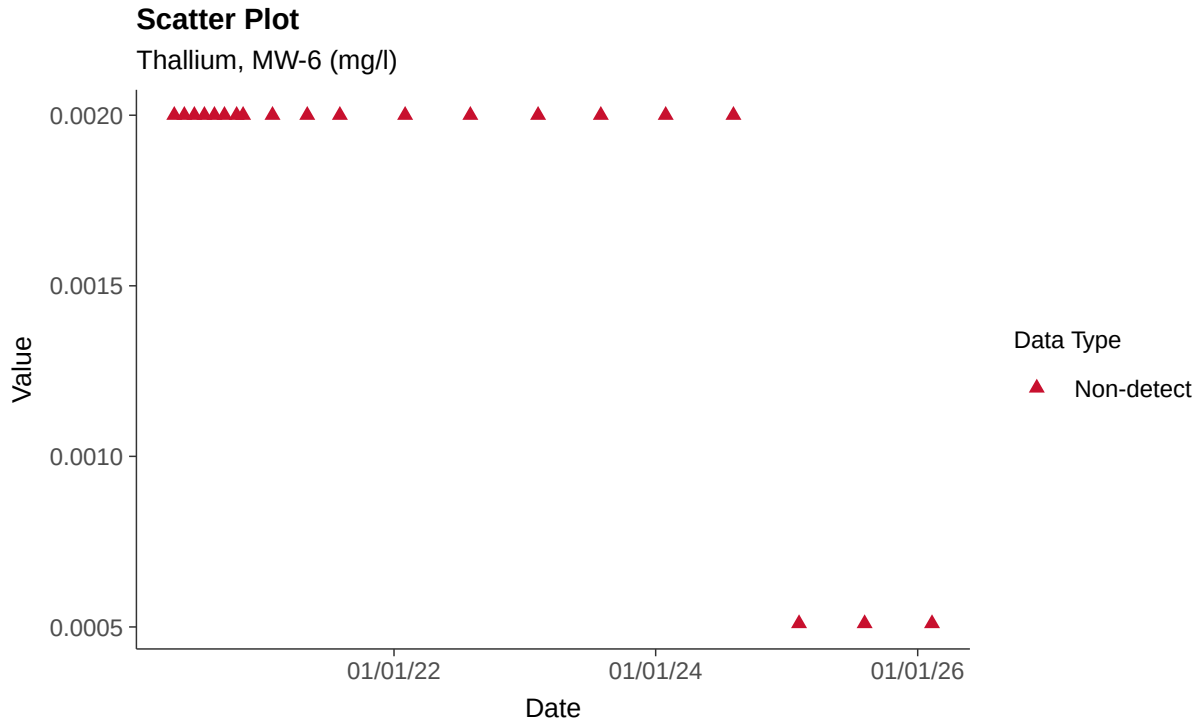
Trend Regression: Piecewise Linear-Linear-Linear

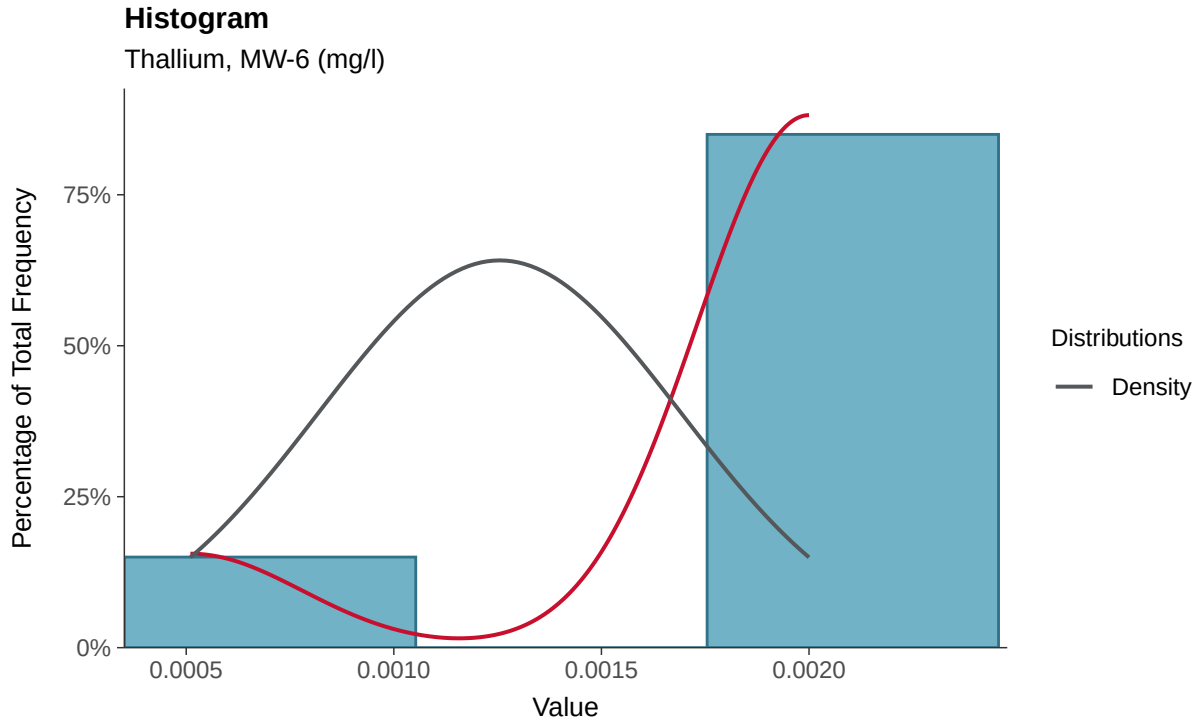
Selenium, MW-6 (mg/l)



Appendix IV: Thallium, MW-6

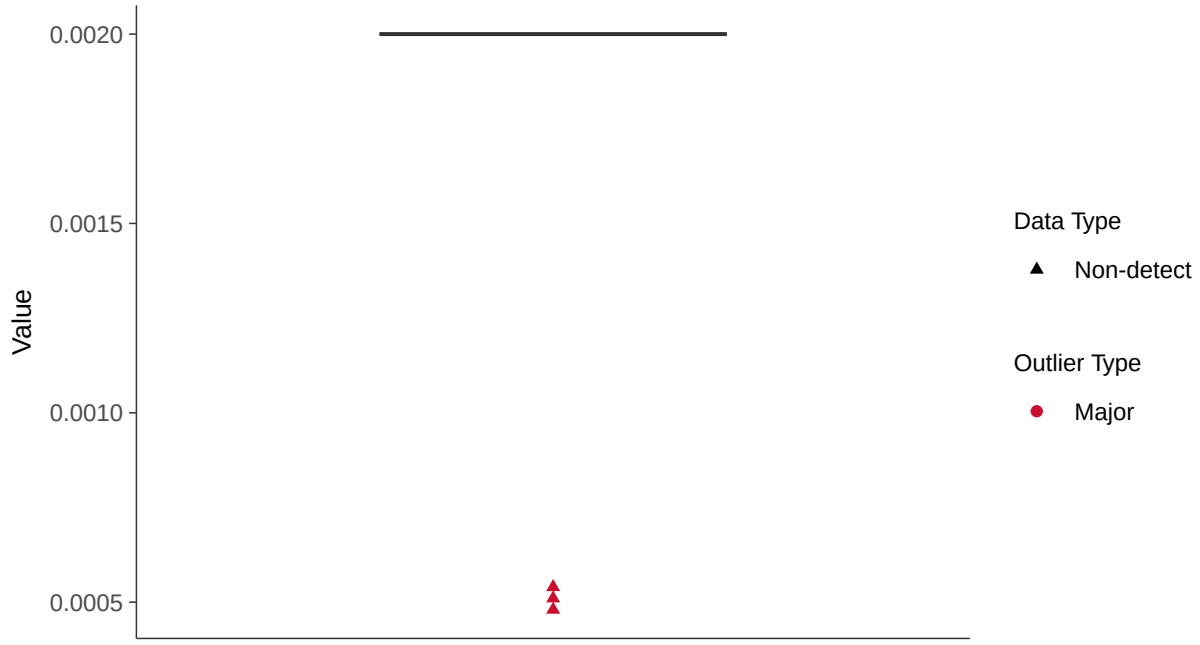
ID: 14_3_125





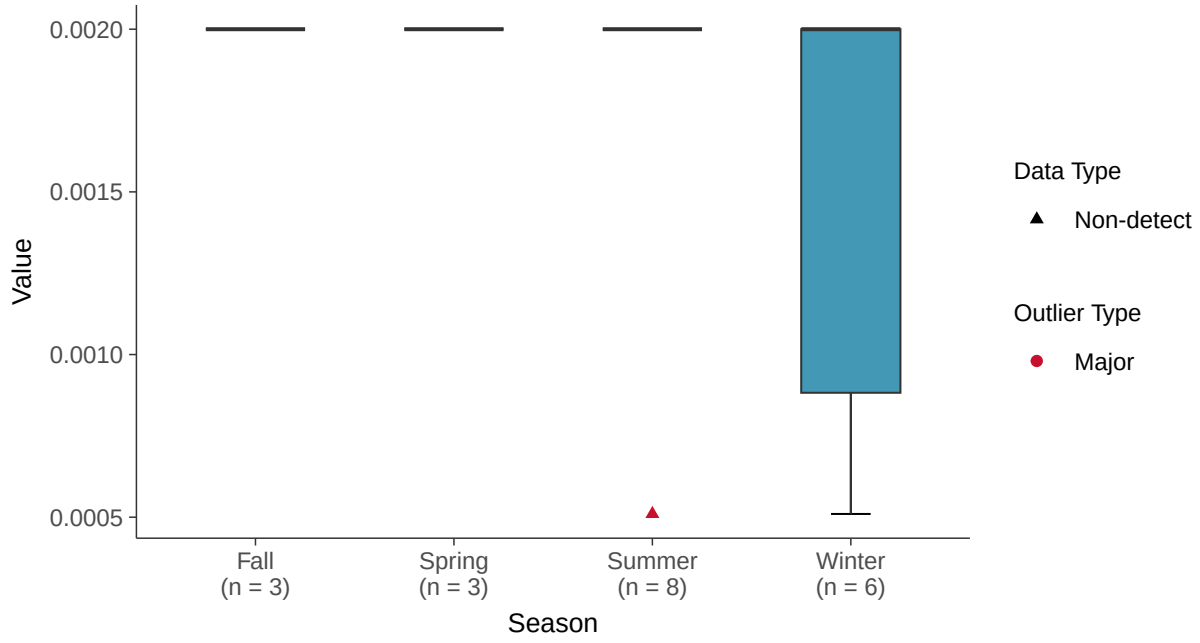
Boxplot

Thallium, MW-6 (mg/l)



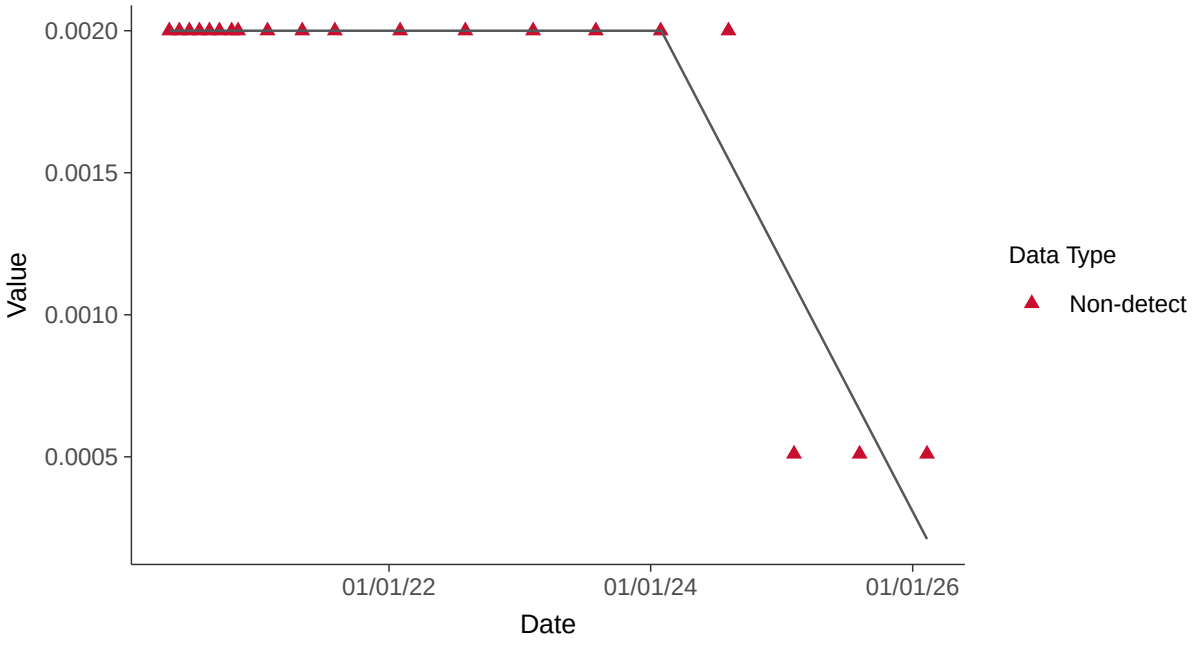
Boxplot by Season

Thallium, MW-6 (mg/l)



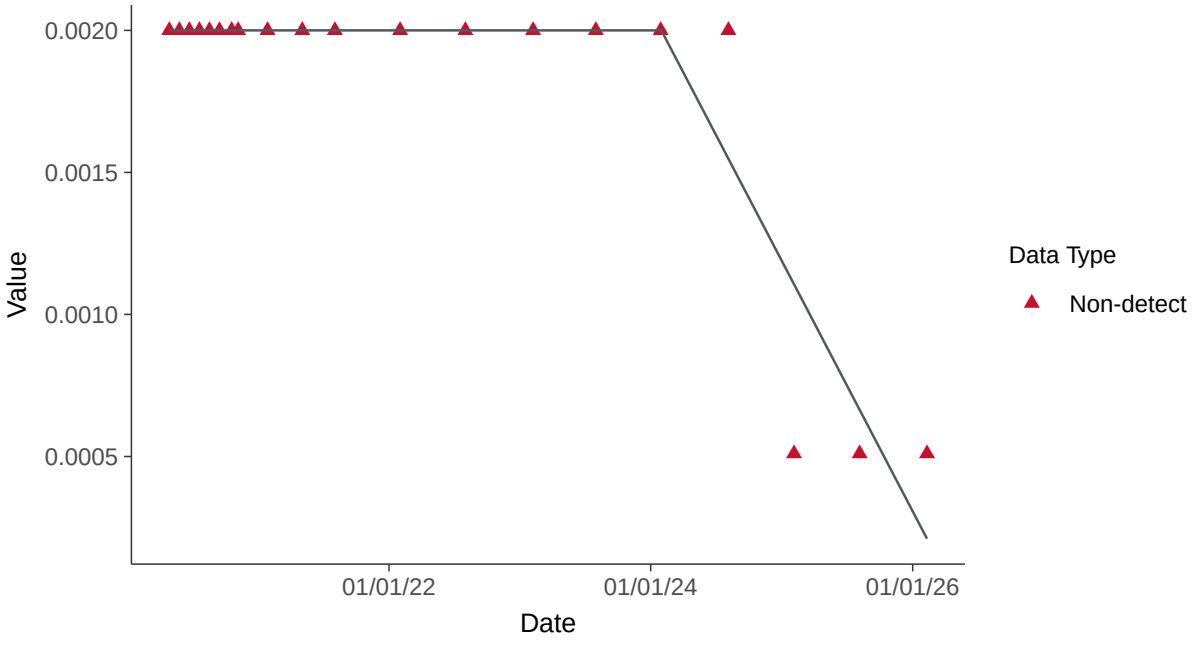
Trend Regression: Piecewise Linear-Linear

Thallium, MW-6 (mg/l)



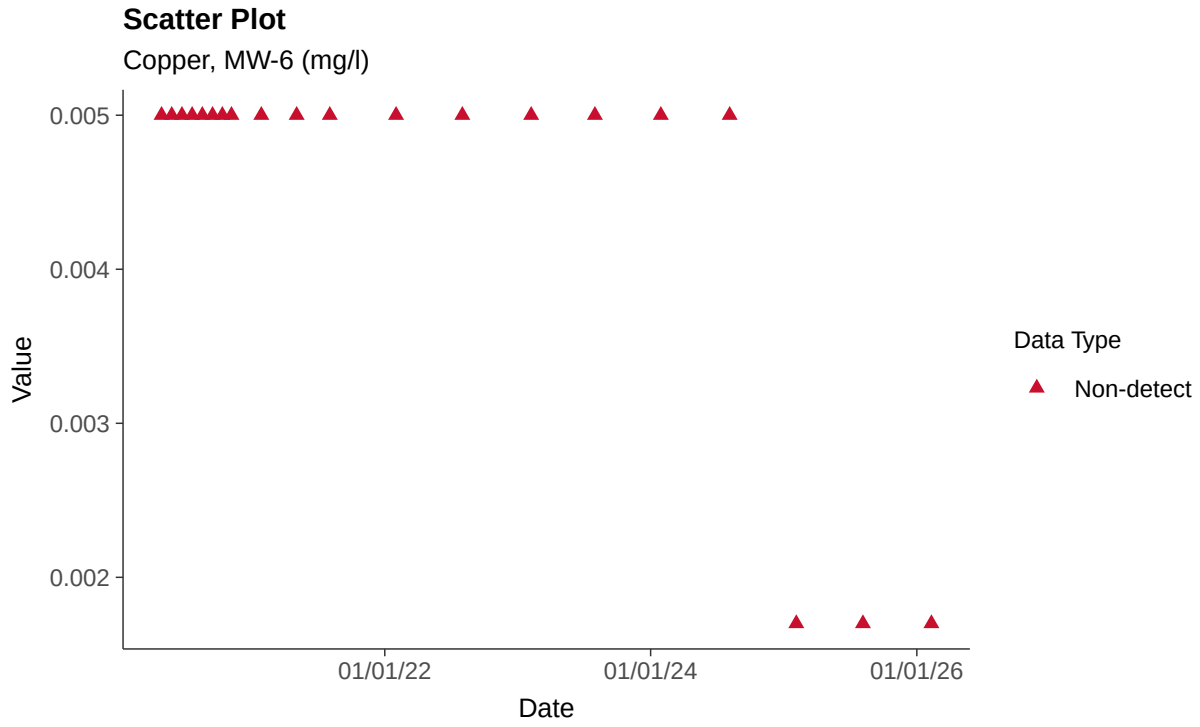
Trend Regression: Piecewise Linear-Linear-Linear

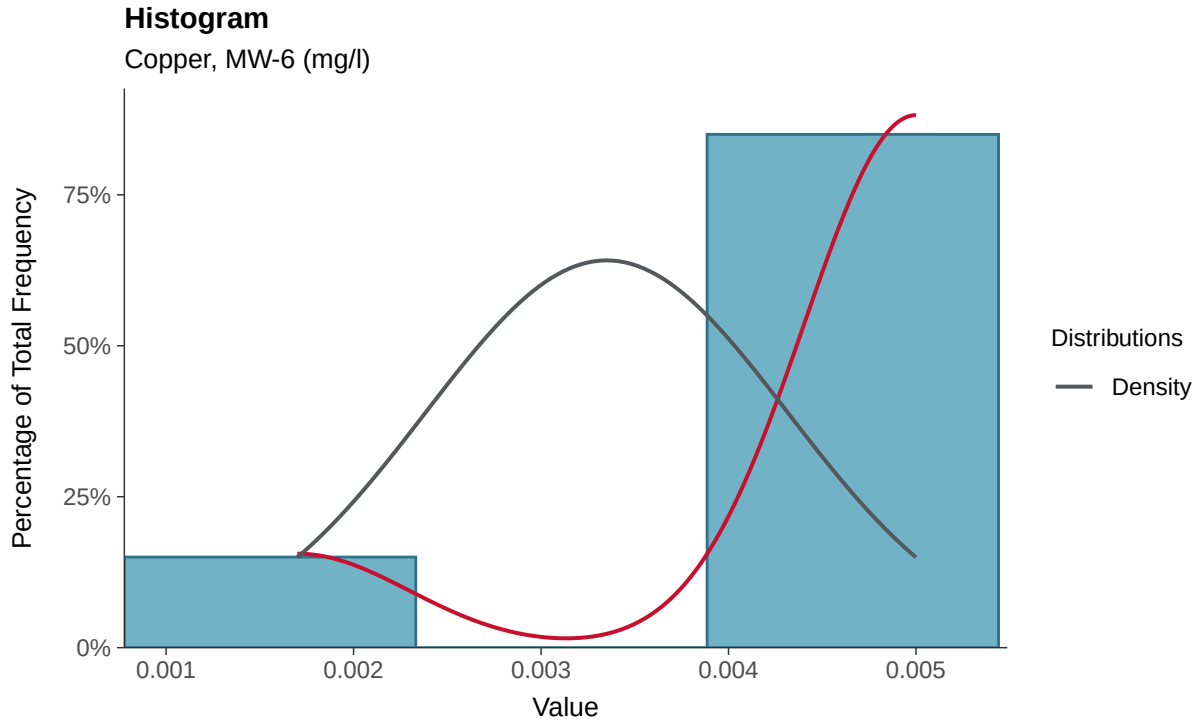
Thallium, MW-6 (mg/l)



Part 115: Copper, MW-6

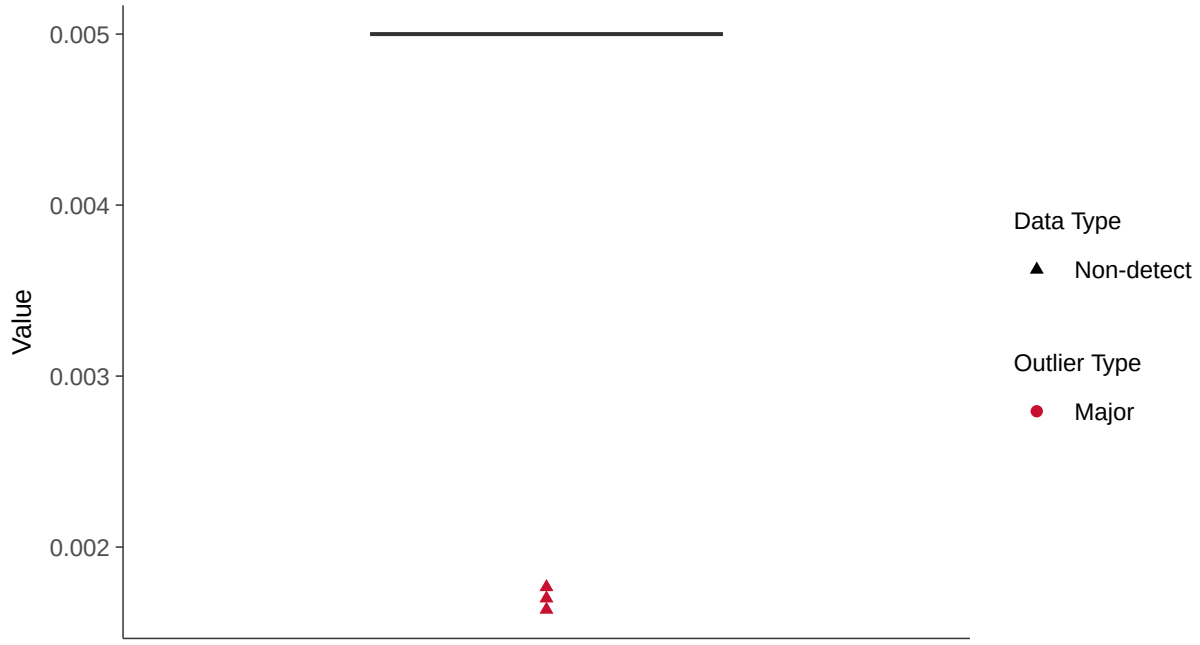
ID: 14_5_111





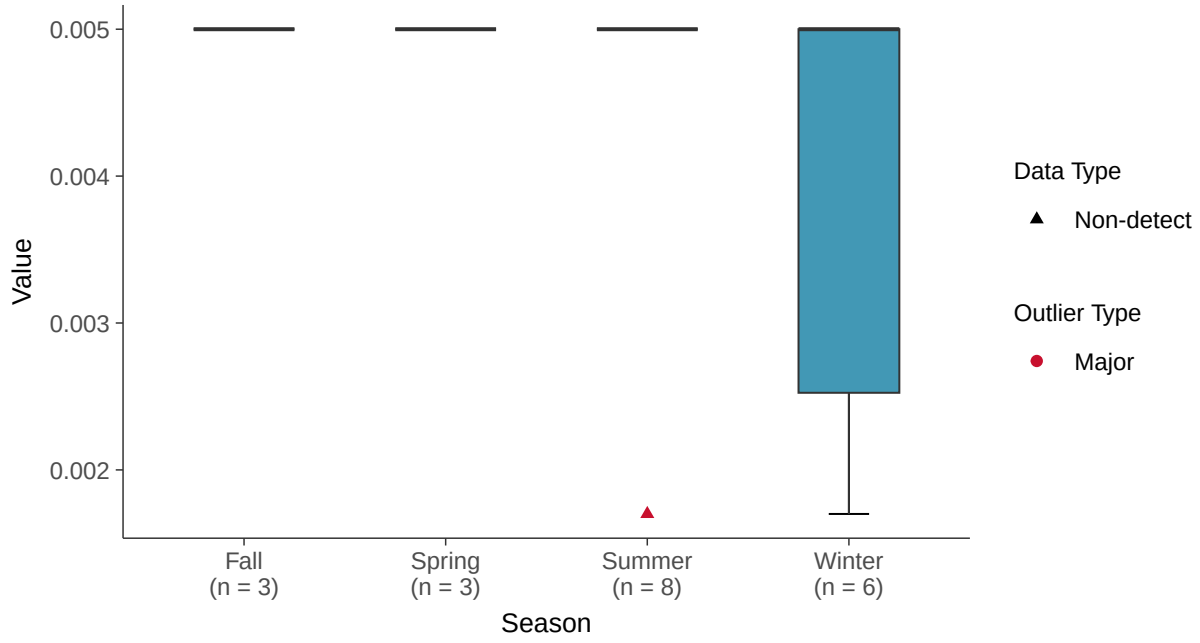
Boxplot

Copper, MW-6 (mg/l)



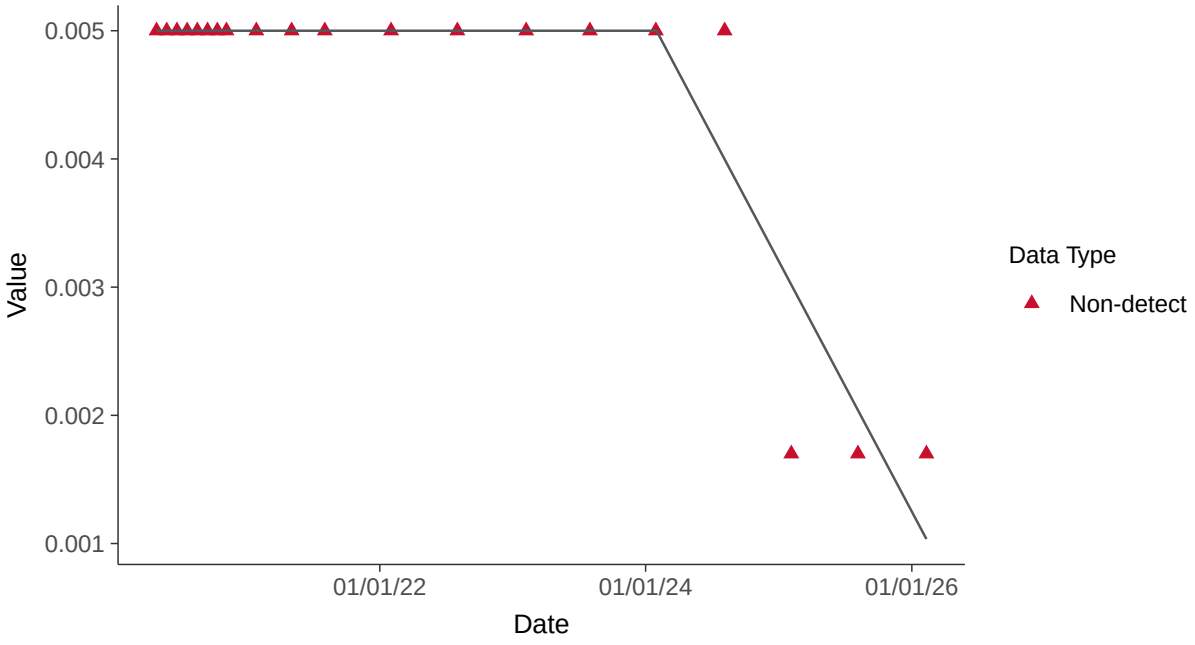
Boxplot by Season

Copper, MW-6 (mg/l)



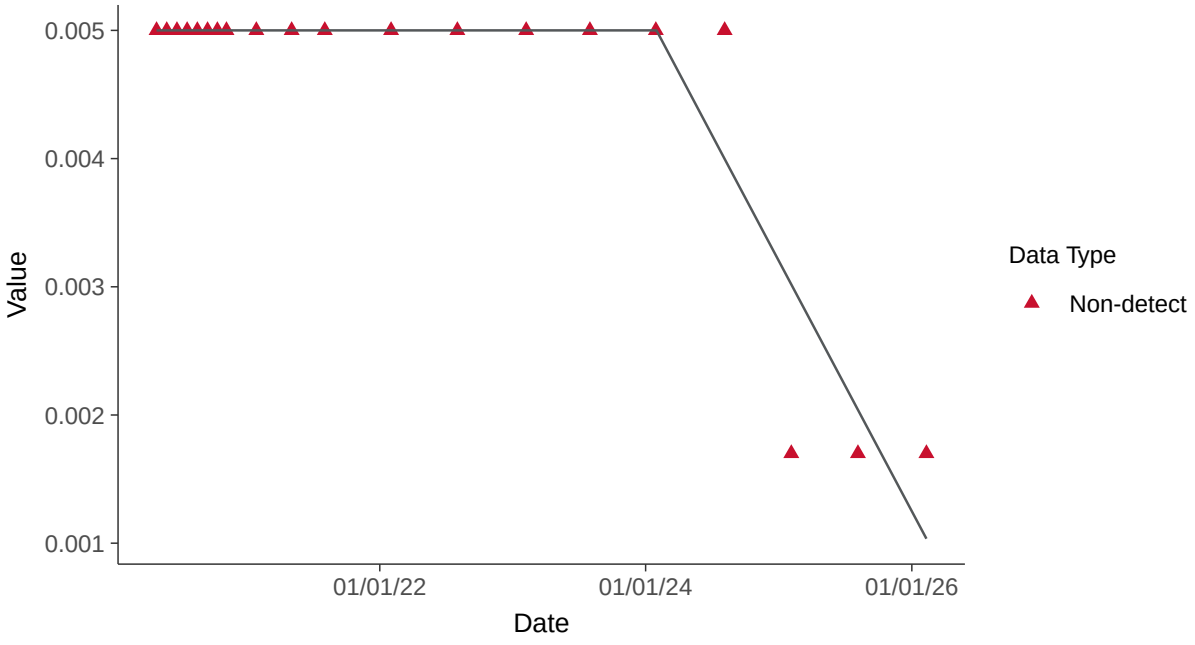
Trend Regression: Piecewise Linear-Linear

Copper, MW-6 (mg/l)



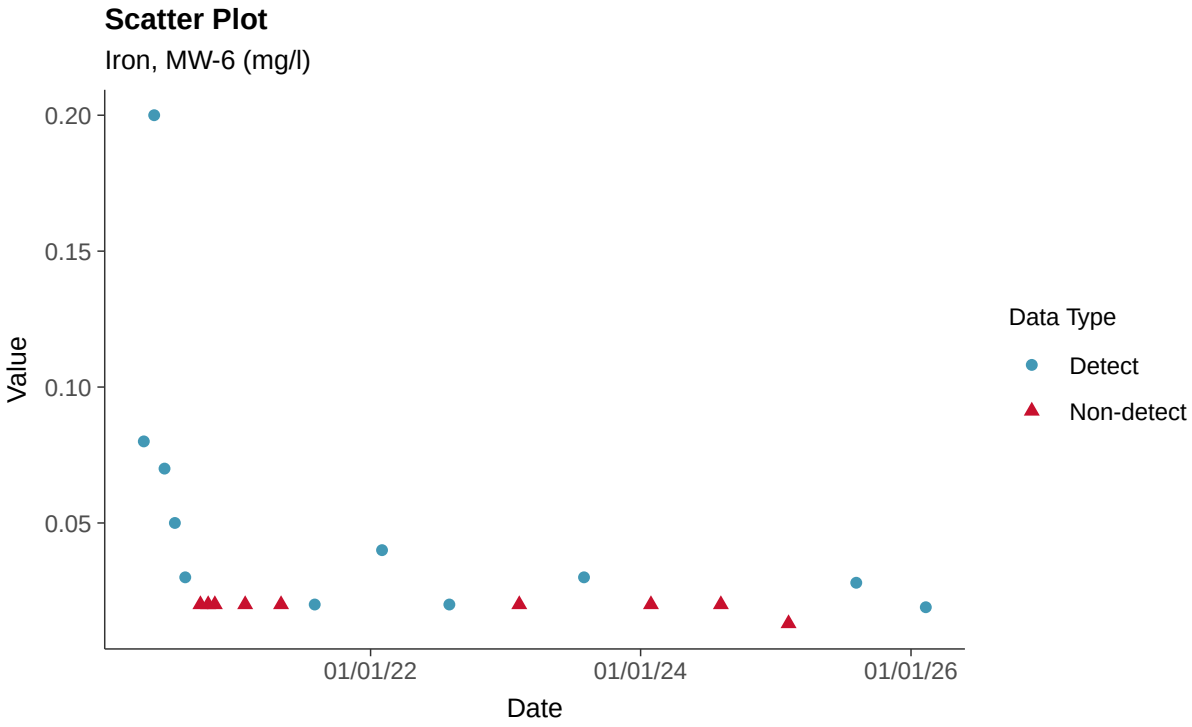
Trend Regression: Piecewise Linear-Linear-Linear

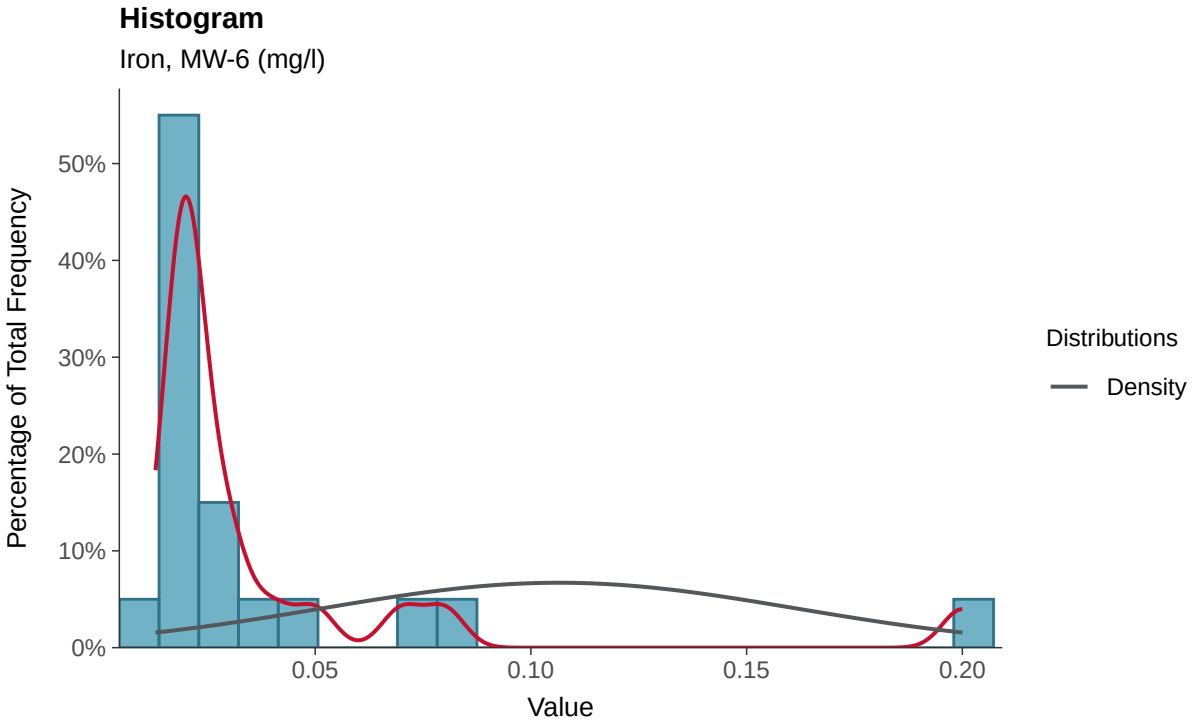
Copper, MW-6 (mg/l)



Part 115: Iron, MW-6

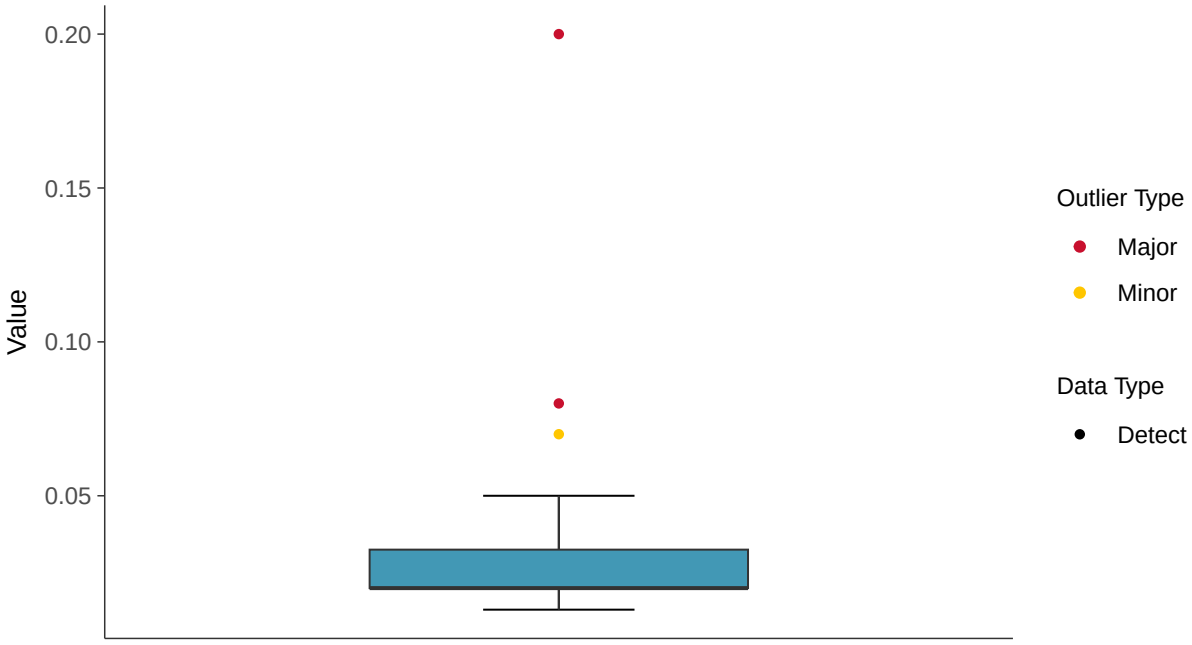
ID: 14_5_114





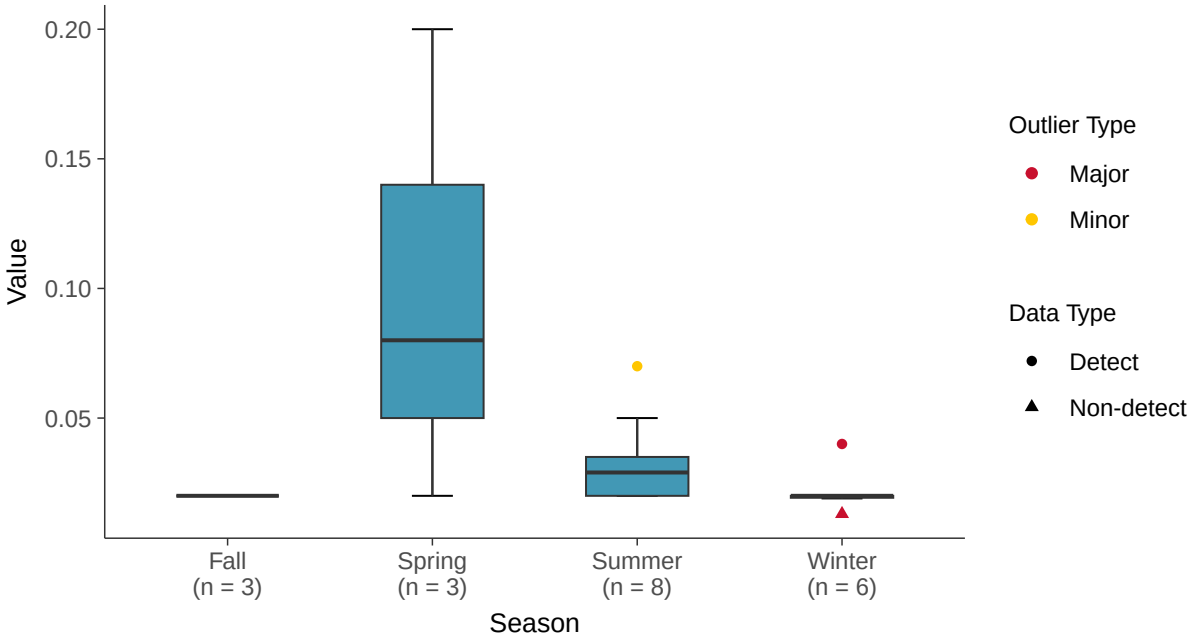
Boxplot

Iron, MW-6 (mg/l)



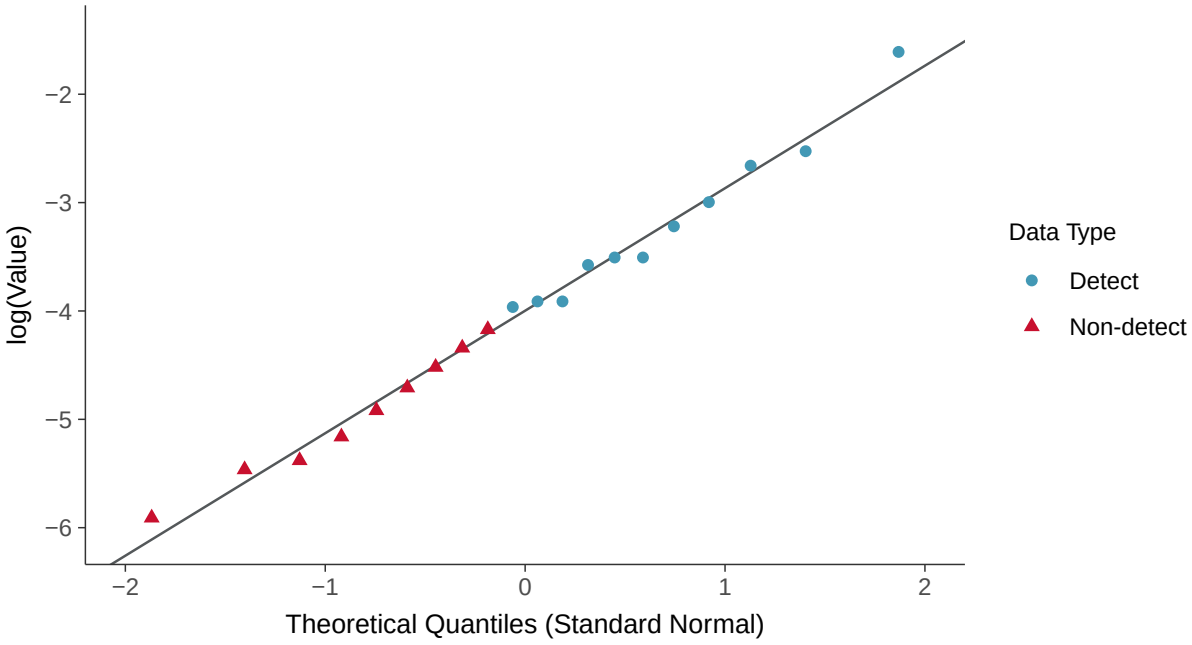
Boxplot by Season

Iron, MW-6 (mg/l)



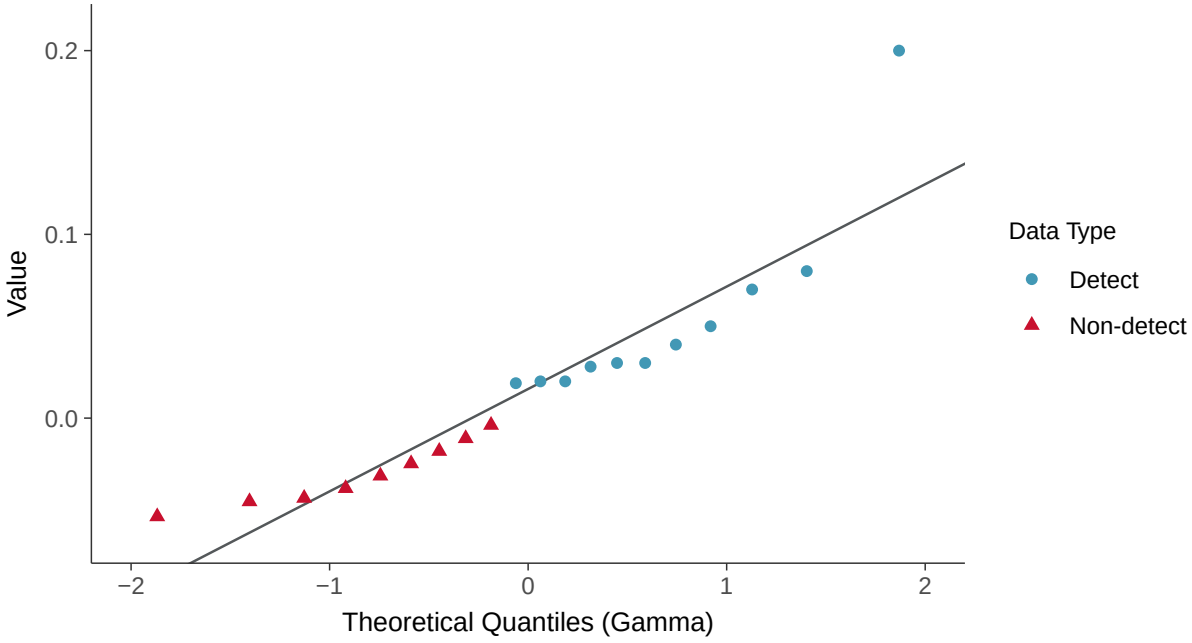
Lognormal Q-Q plot using ROS Imputed Estimates

Iron, MW-6 (mg/l)



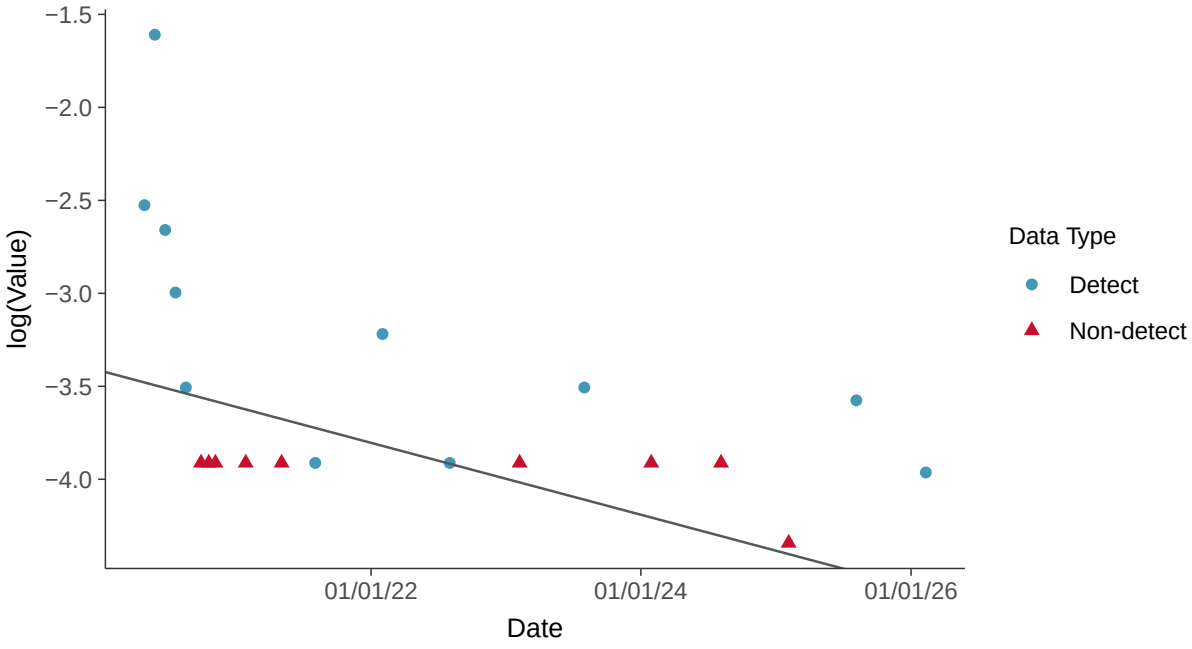
Gamma Q-Q plot using ROS Imputed Estimates

Iron, MW-6 (mg/l)



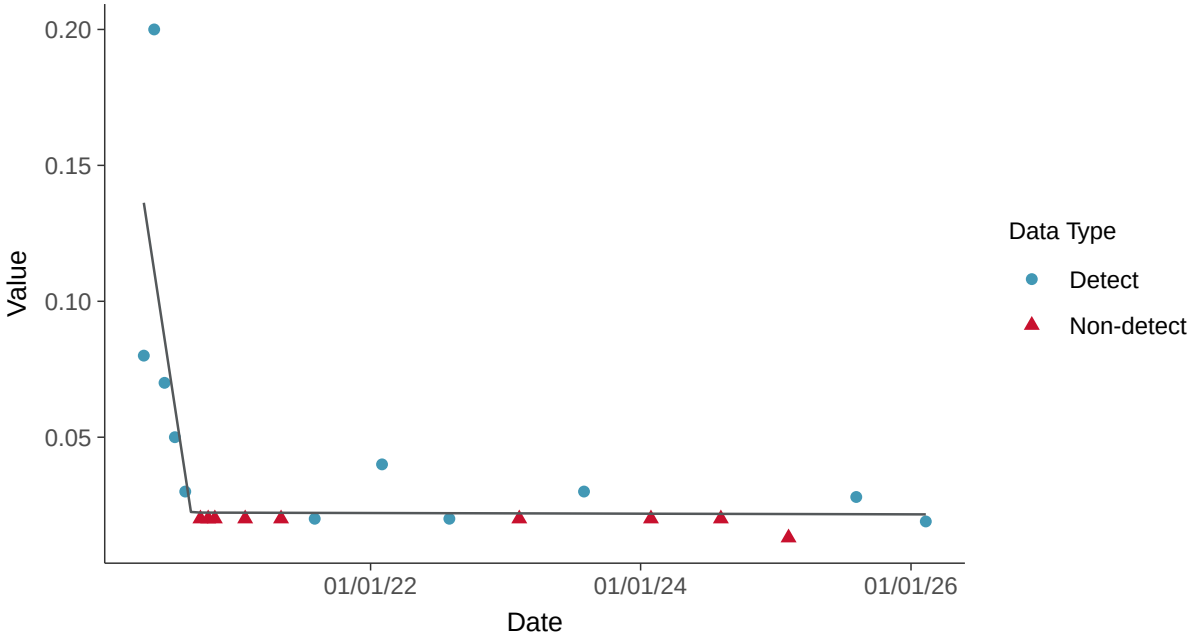
Trend Regression: Lognormal MLE

Iron, MW-6 (mg/l)



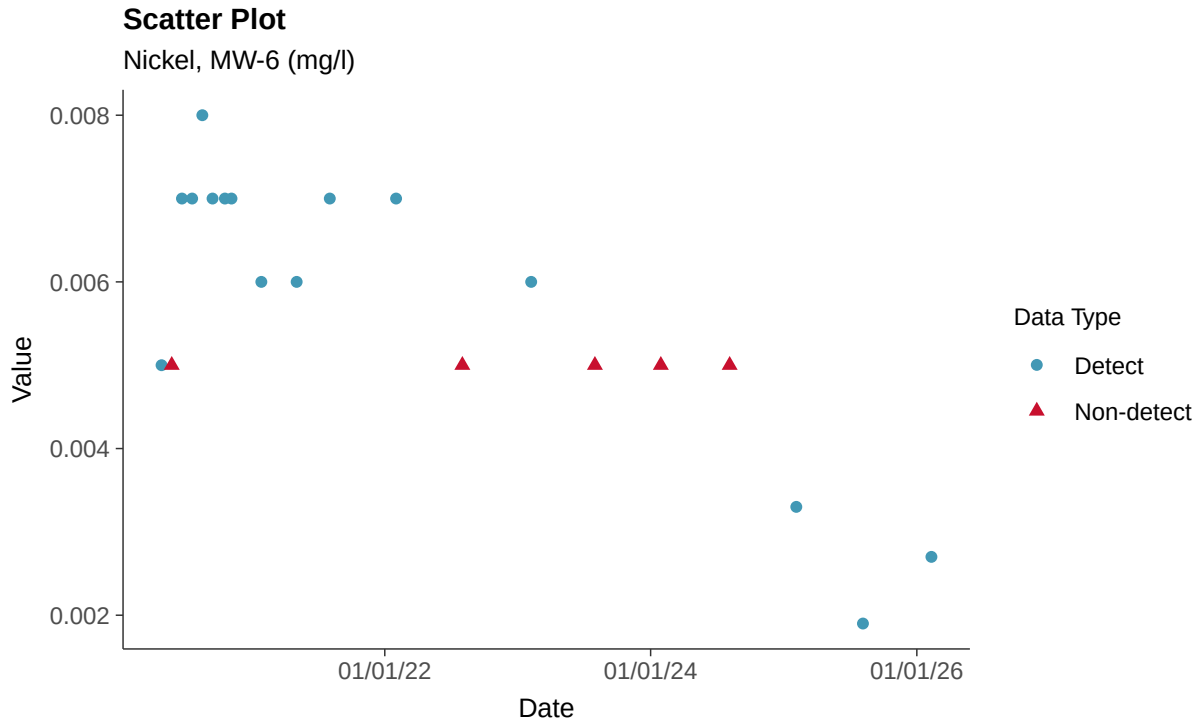
Trend Regression: Piecewise Linear-Linear

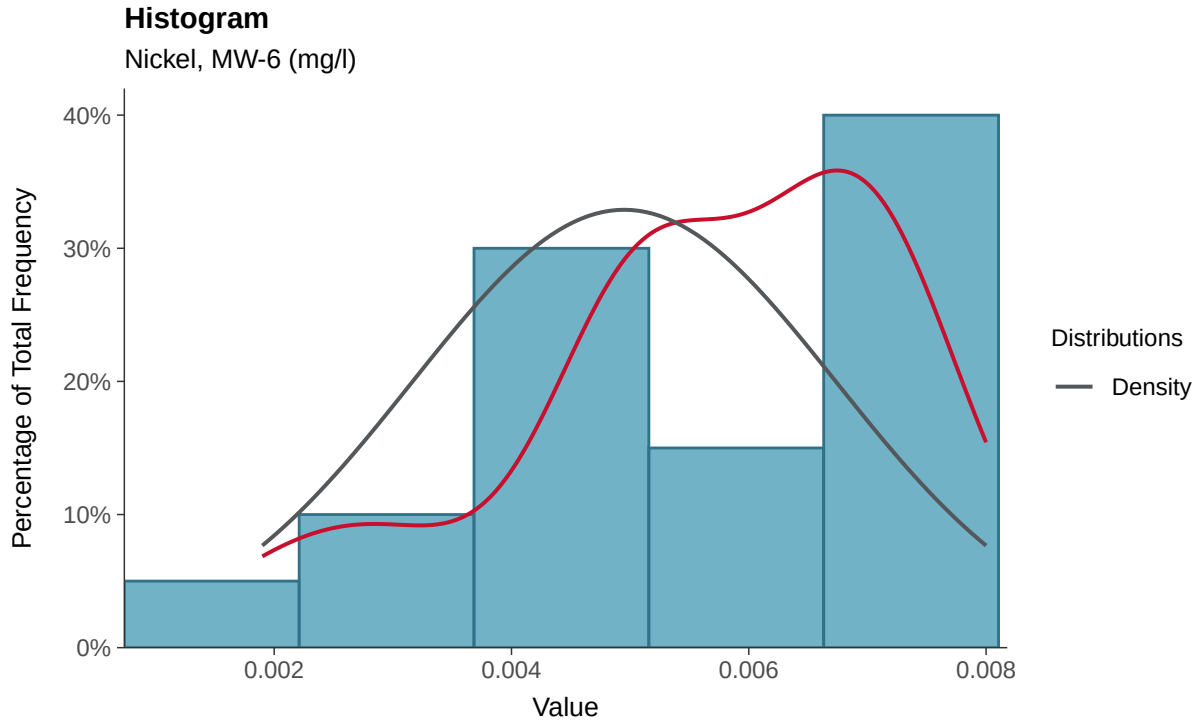
Iron, MW-6 (mg/l)



Part 115: Nickel, MW-6

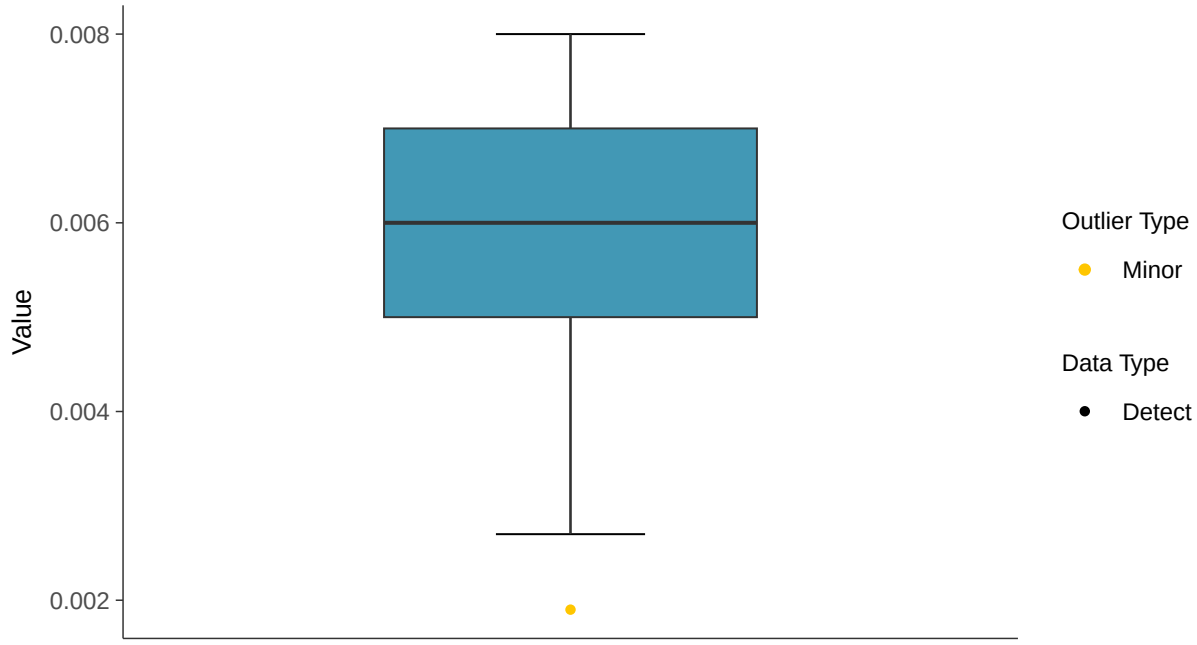
ID: 14_5_119





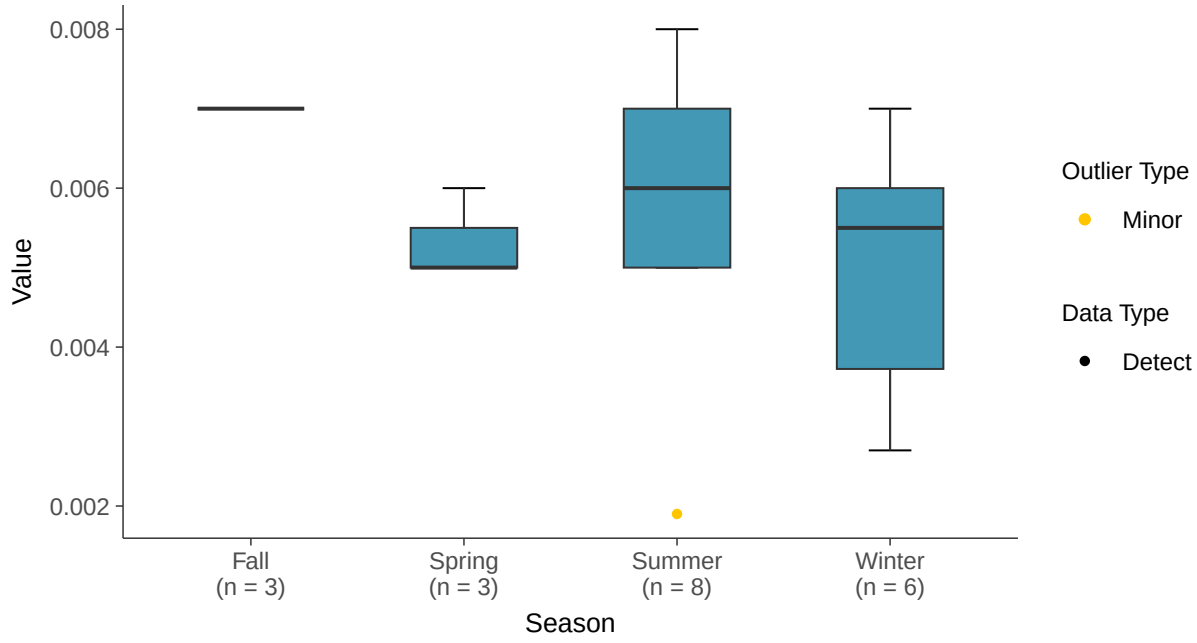
Boxplot

Nickel, MW-6 (mg/l)



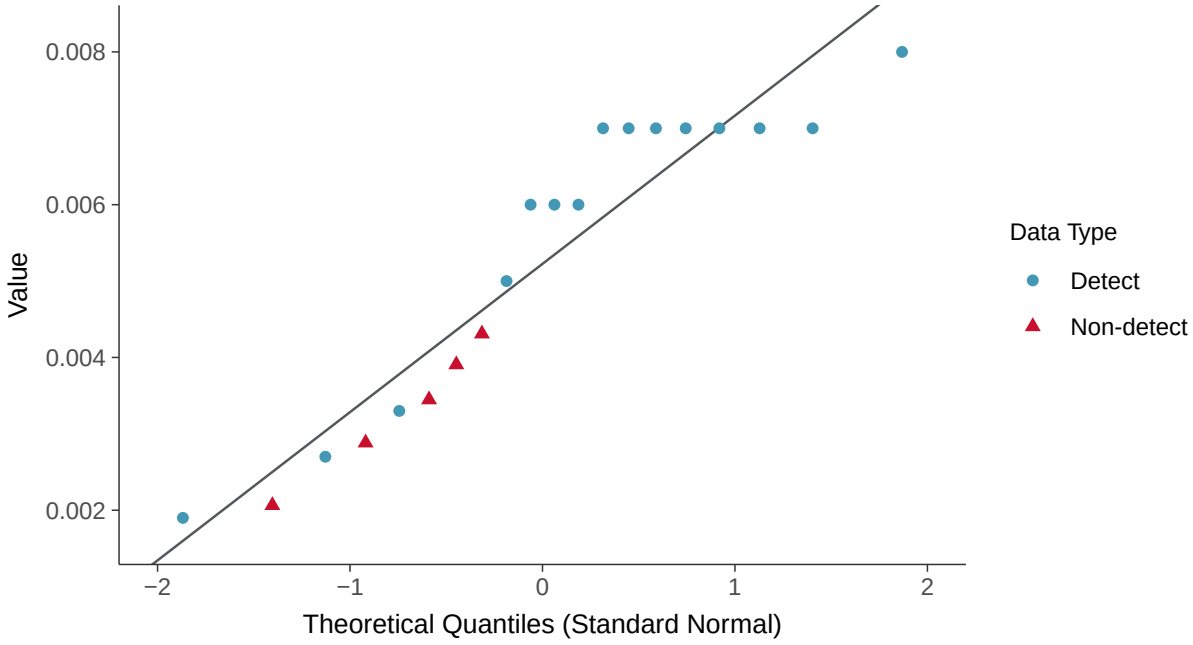
Boxplot by Season

Nickel, MW-6 (mg/l)



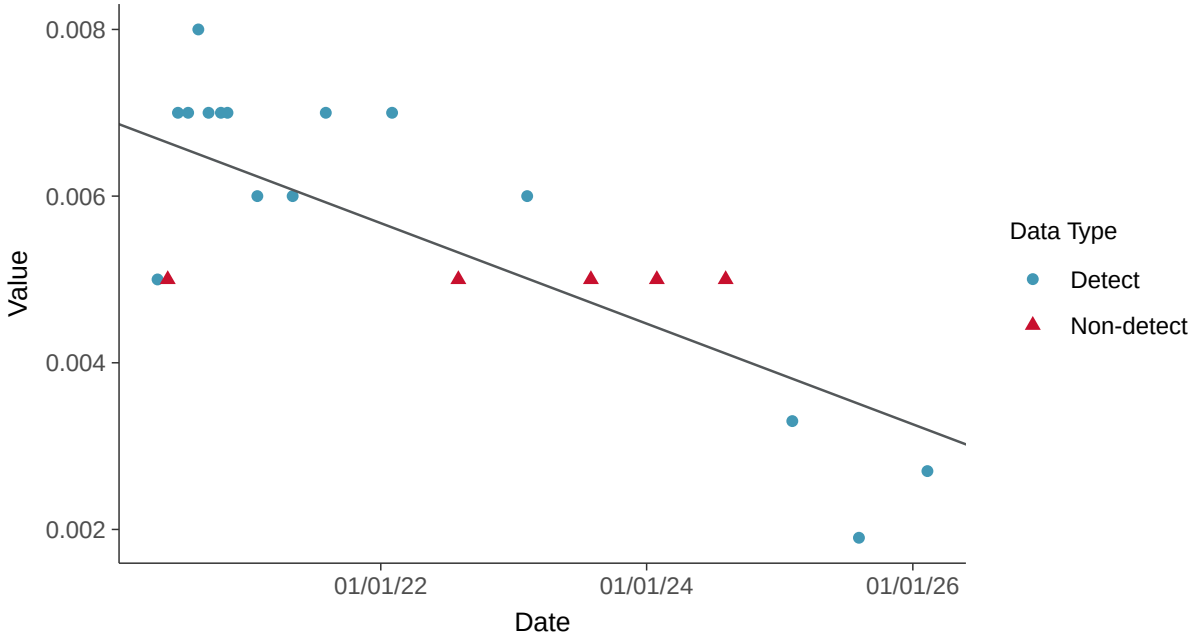
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-6 (mg/l)



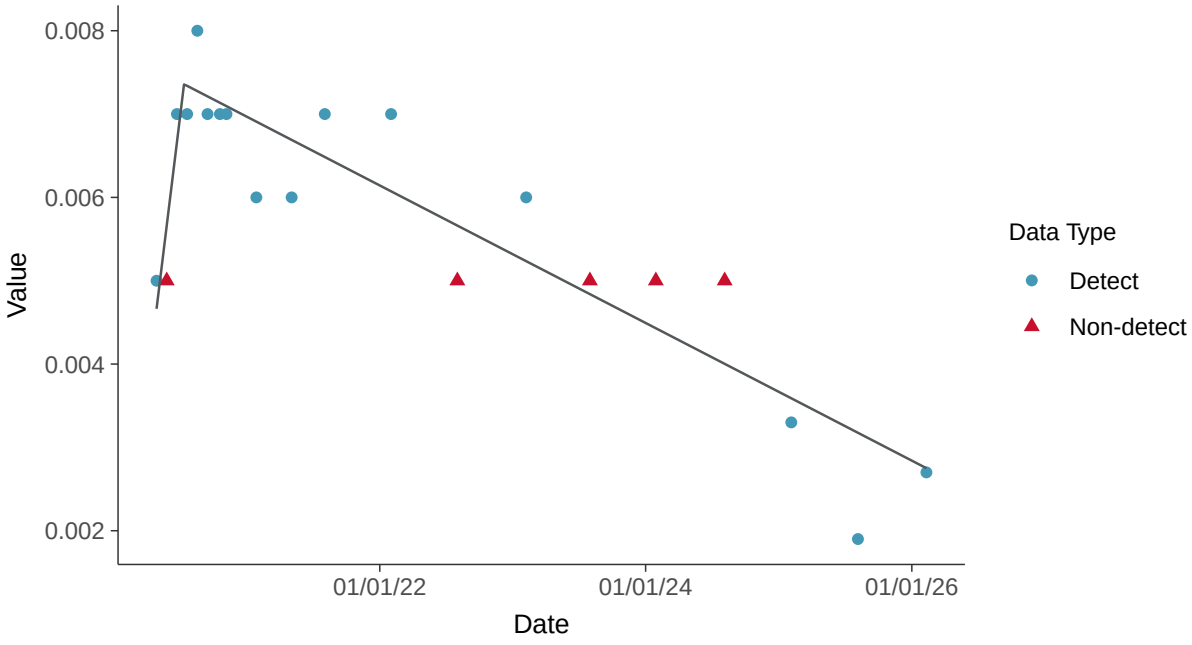
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Nickel, MW-6 (mg/l)



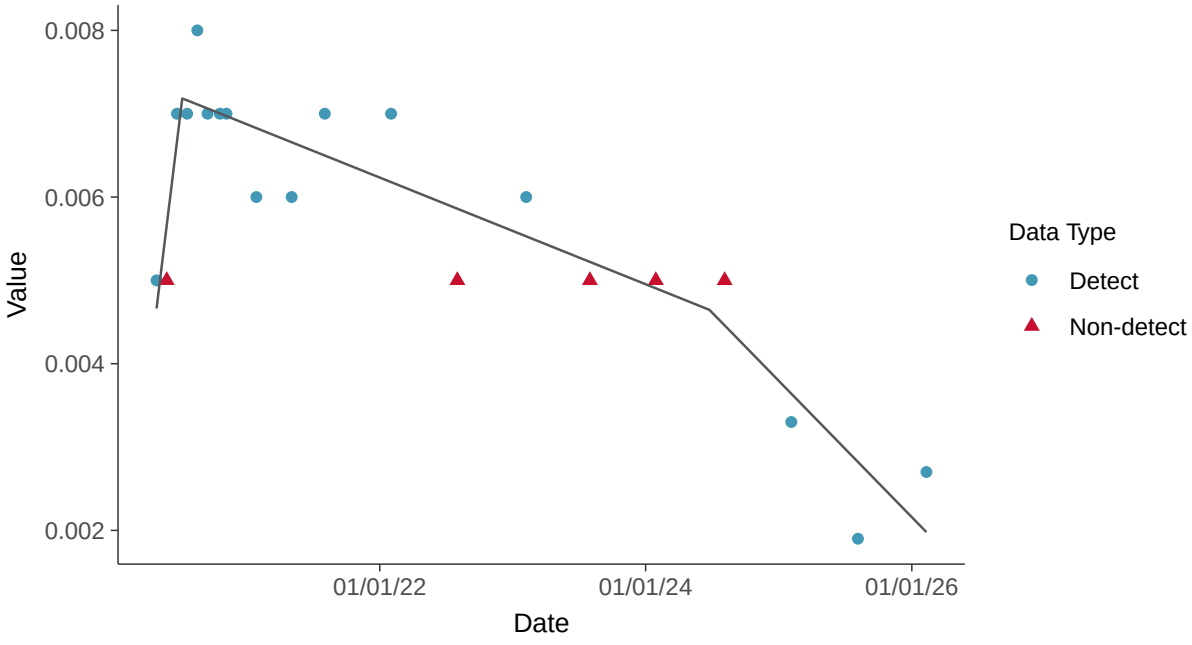
Trend Regression: Piecewise Linear-Linear

Nickel, MW-6 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Nickel, MW-6 (mg/l)

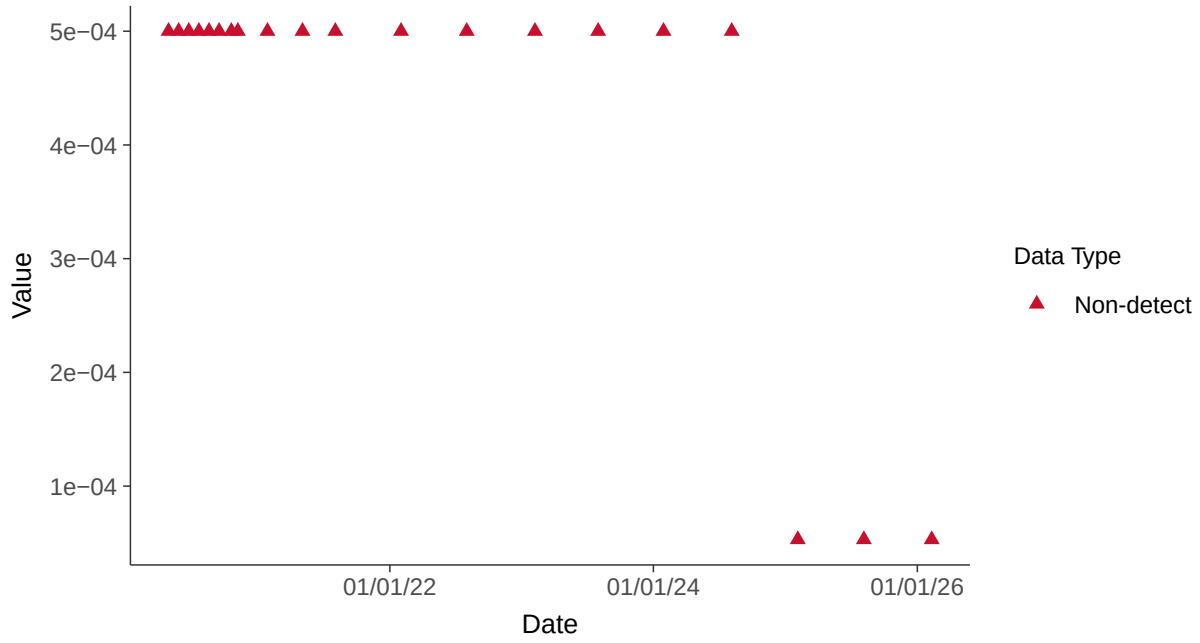


Part 115: Silver, MW-6

ID: 14_5_123

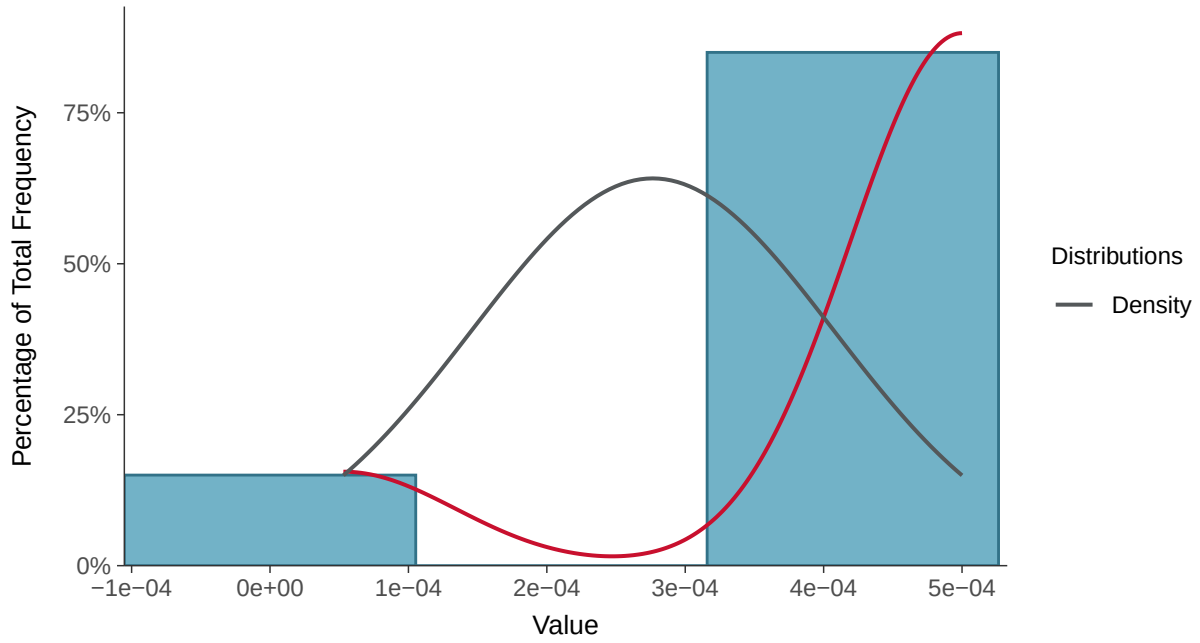
Scatter Plot

Silver, MW-6 (mg/l)



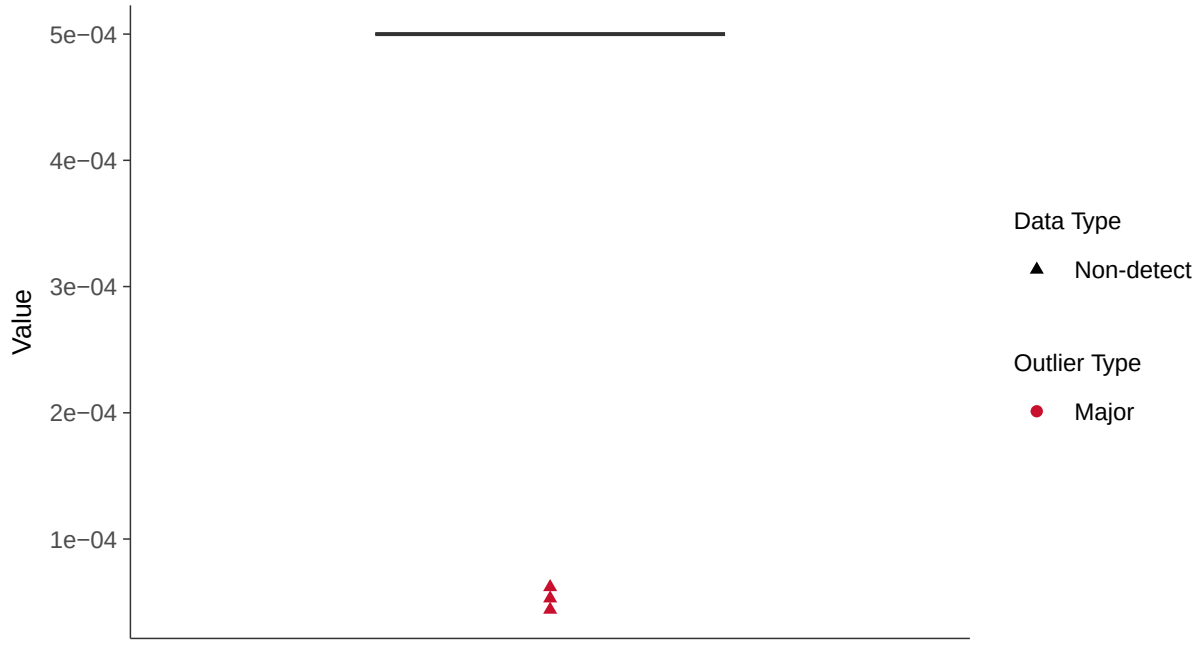
Histogram

Silver, MW-6 (mg/l)



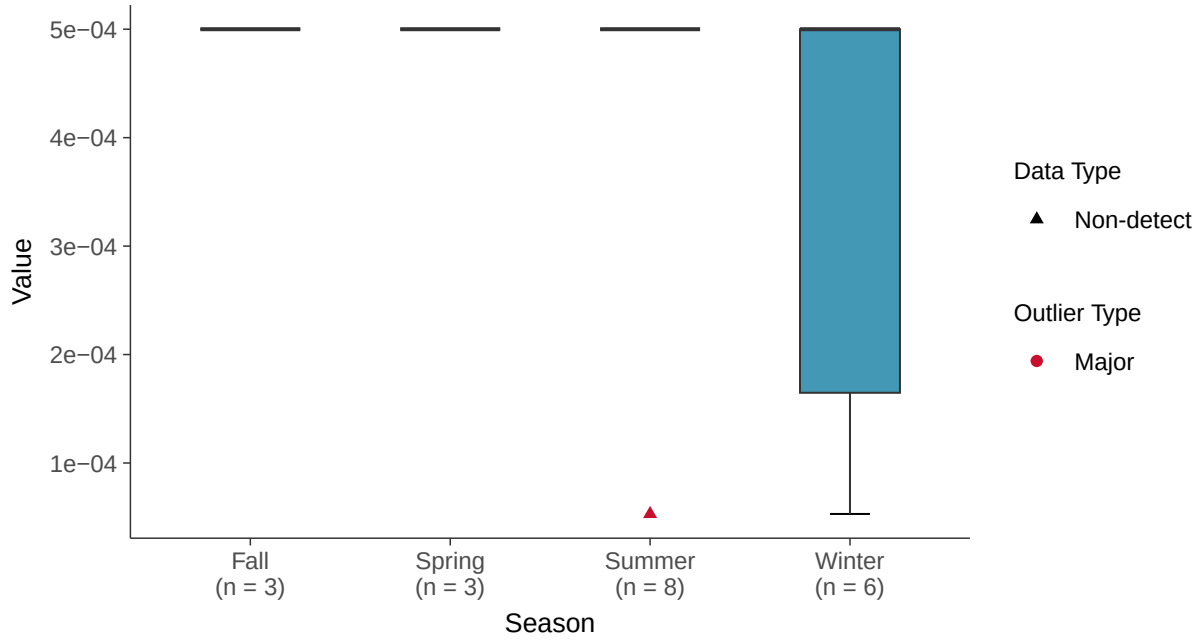
Boxplot

Silver, MW-6 (mg/l)



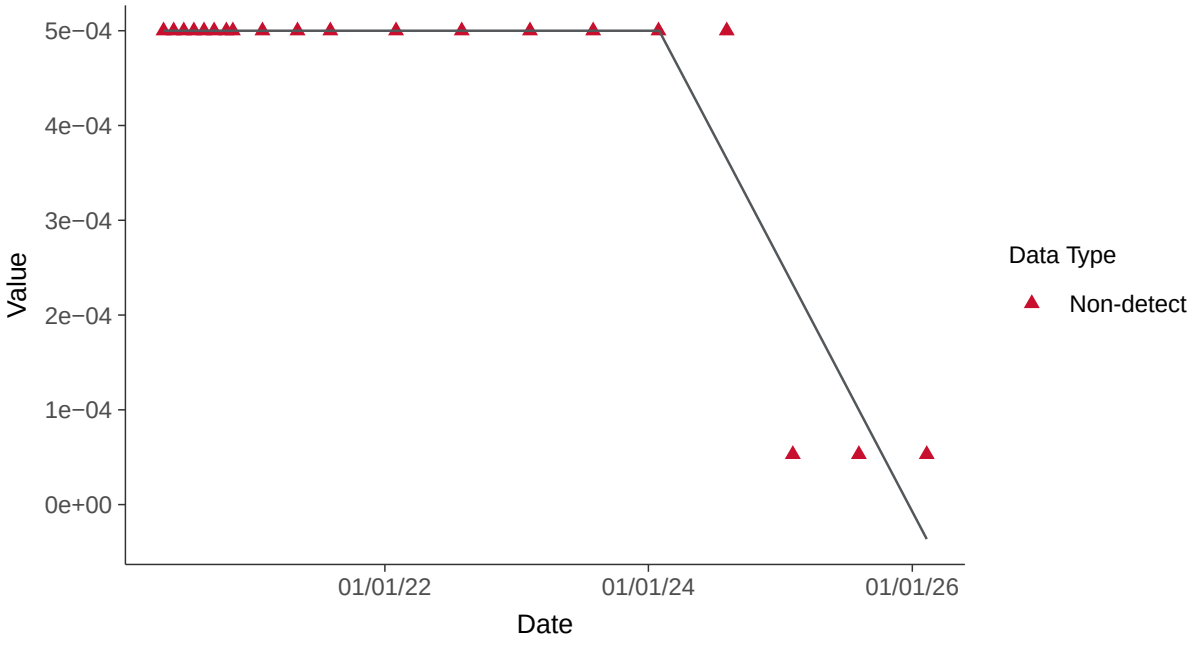
Boxplot by Season

Silver, MW-6 (mg/l)



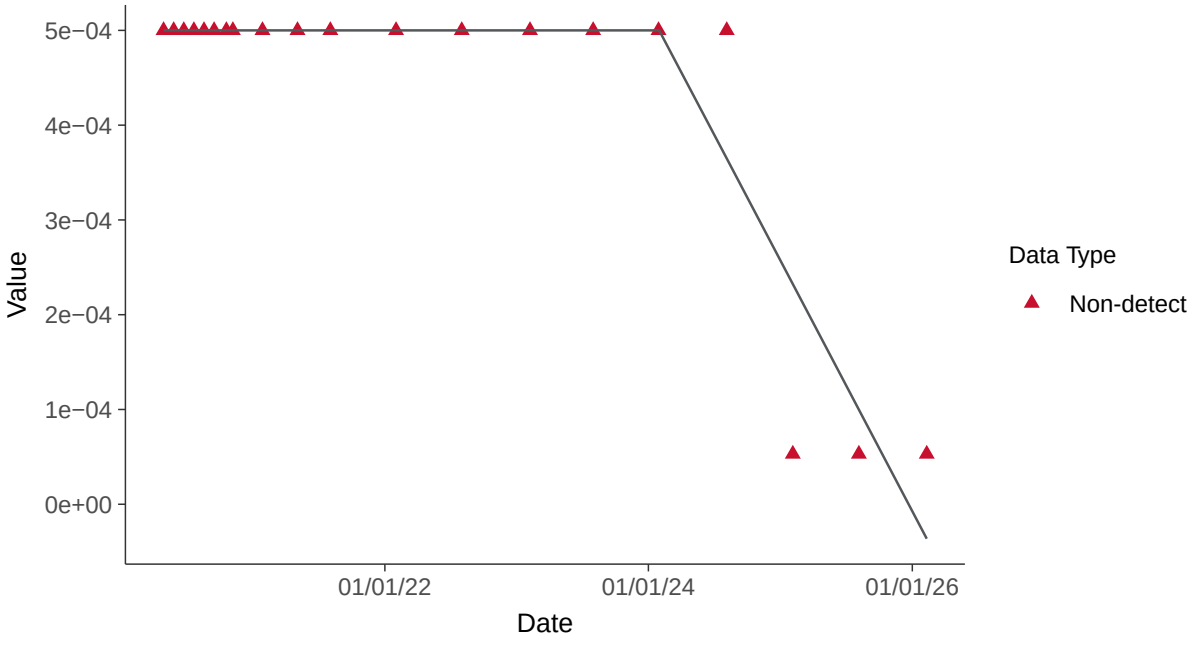
Trend Regression: Piecewise Linear-Linear

Silver, MW-6 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Silver, MW-6 (mg/l)

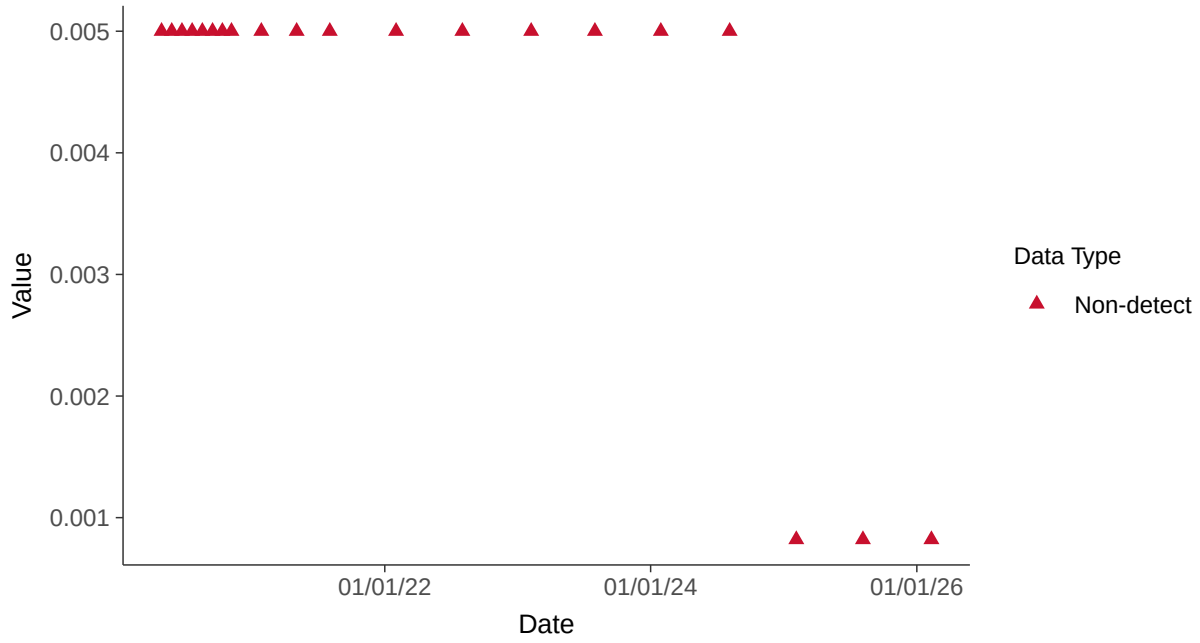


Part 115: Vanadium, MW-6

ID: 14_5_128

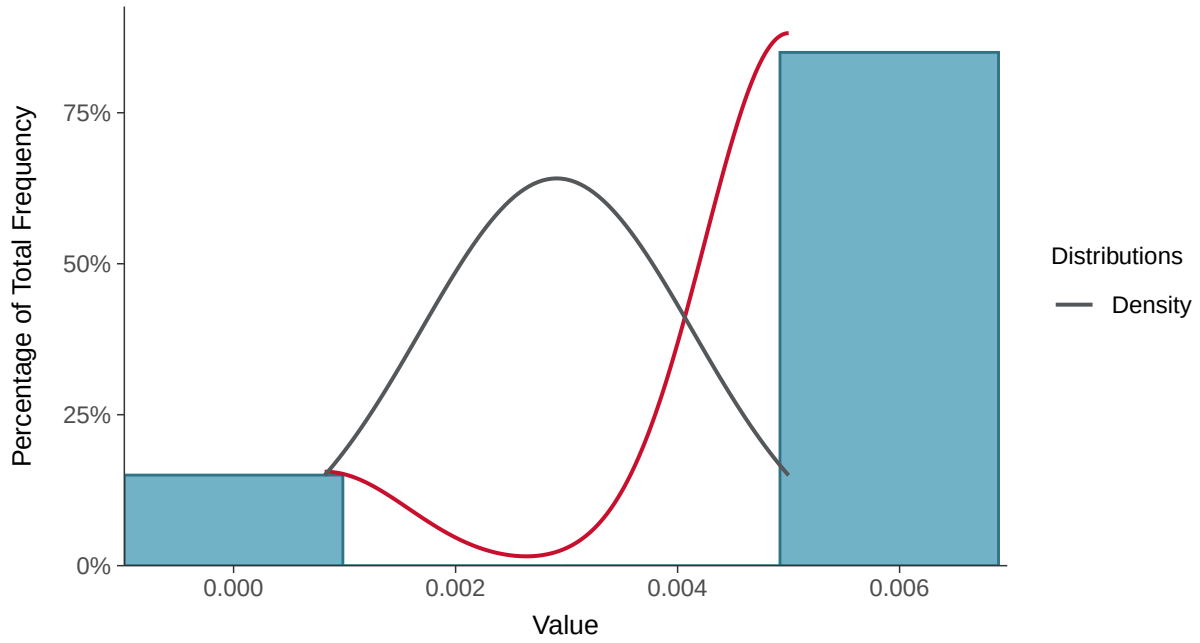
Scatter Plot

Vanadium, MW-6 (mg/l)



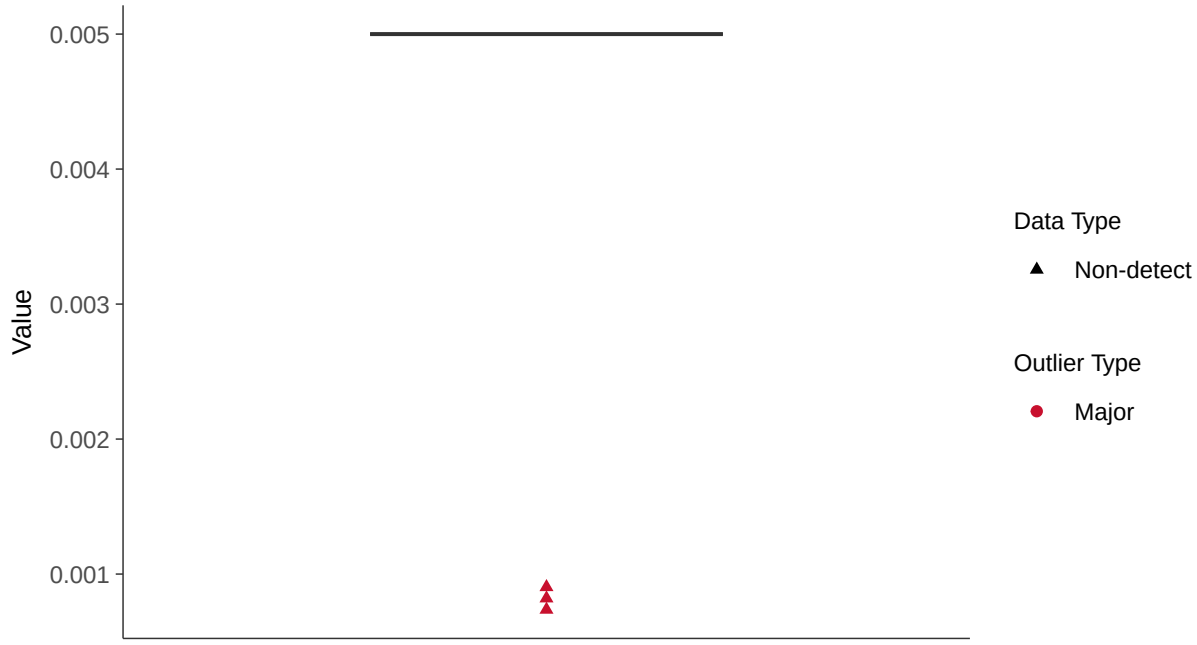
Histogram

Vanadium, MW-6 (mg/l)



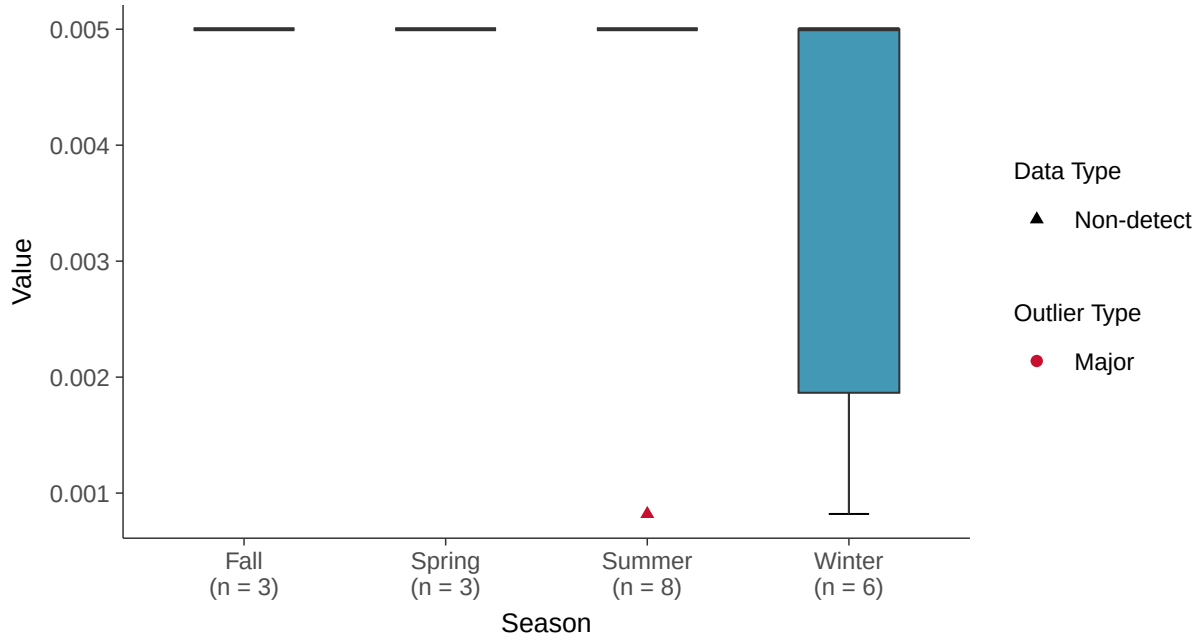
Boxplot

Vanadium, MW-6 (mg/l)



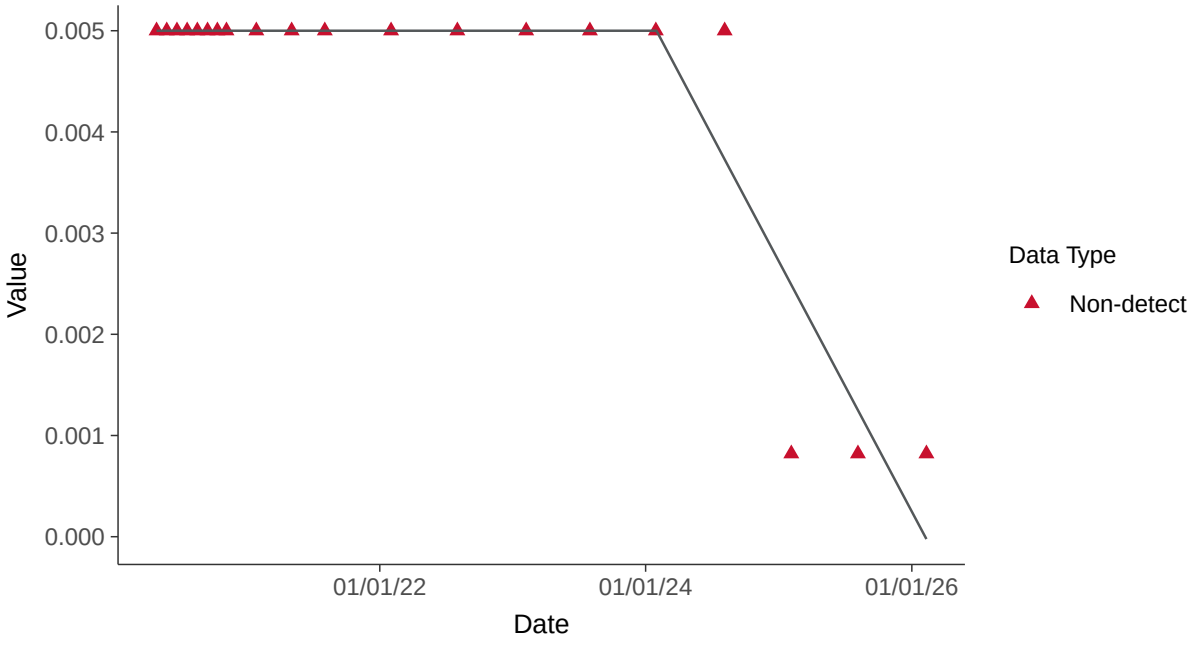
Boxplot by Season

Vanadium, MW-6 (mg/l)



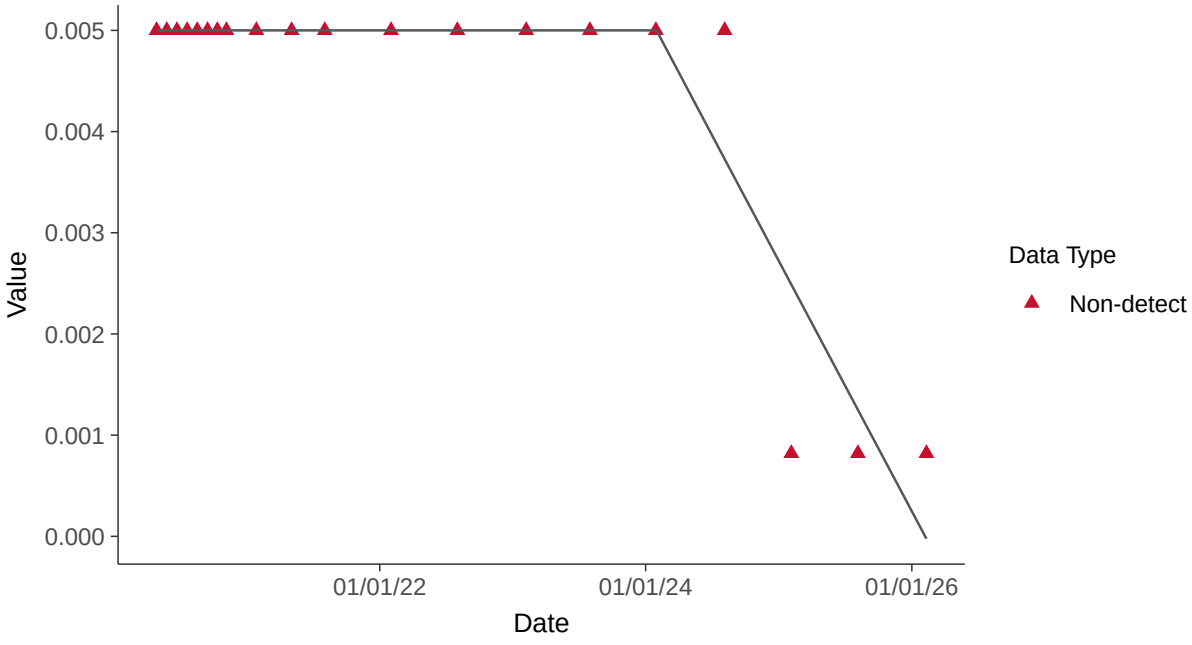
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-6 (mg/l)



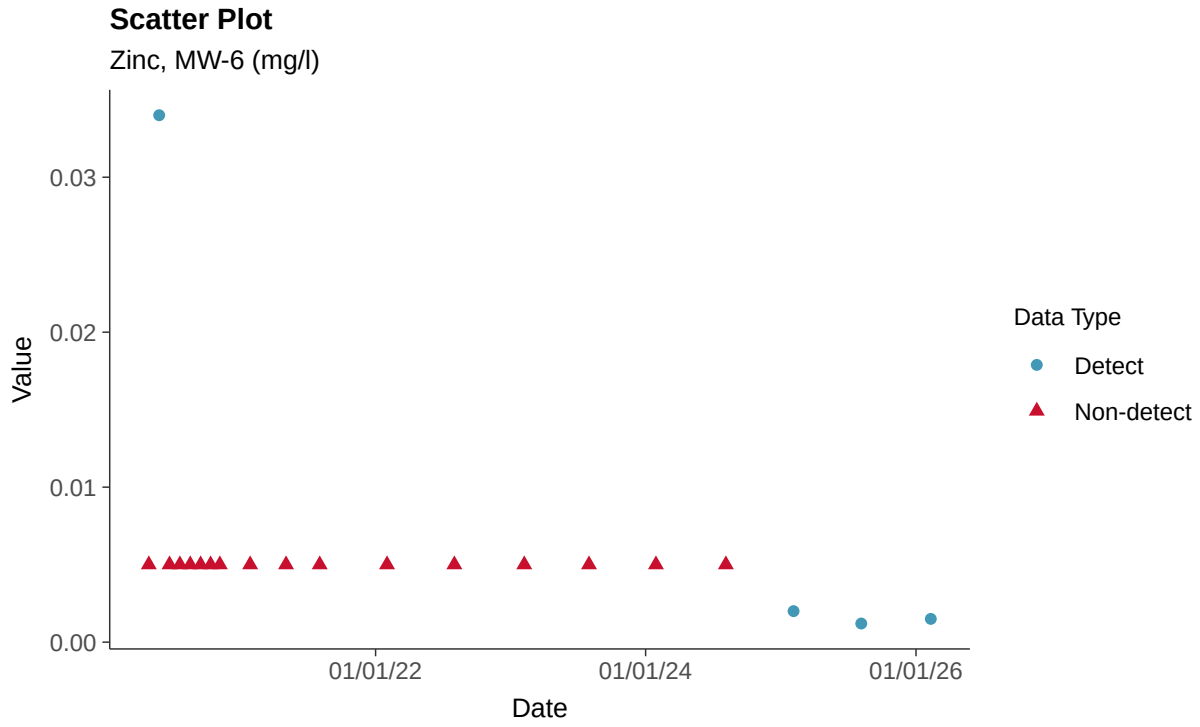
Trend Regression: Piecewise Linear-Linear-Linear

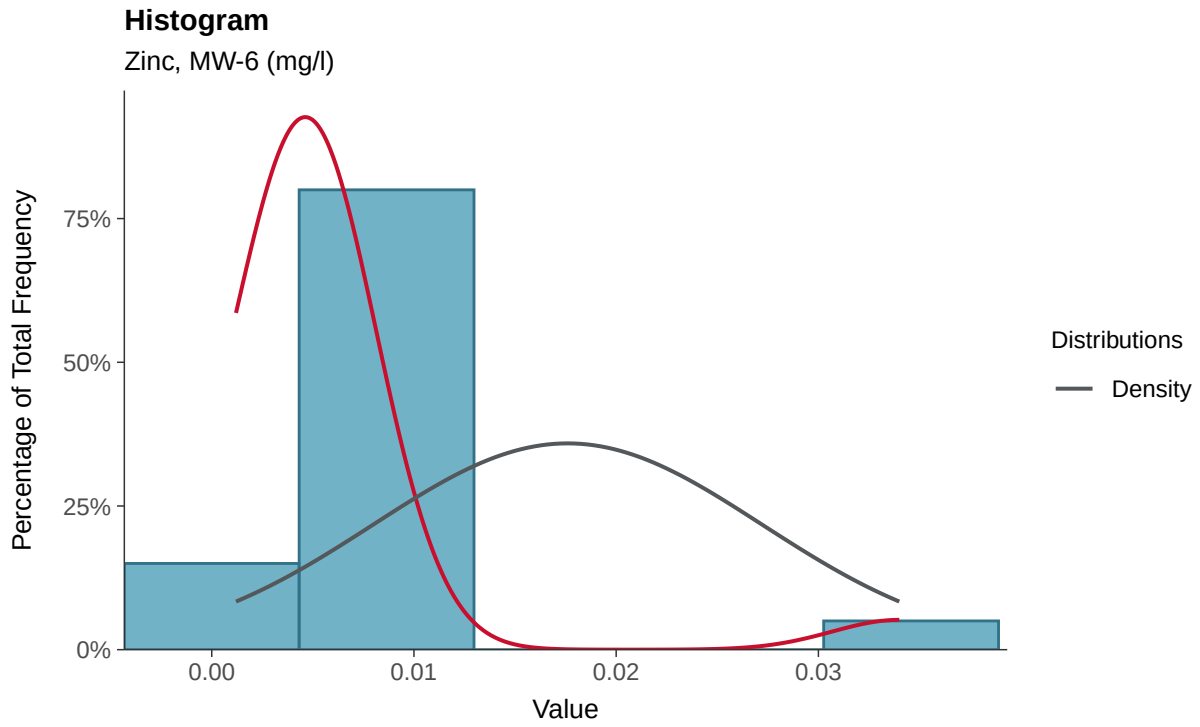
Vanadium, MW-6 (mg/l)



Part 115: Zinc, MW-6

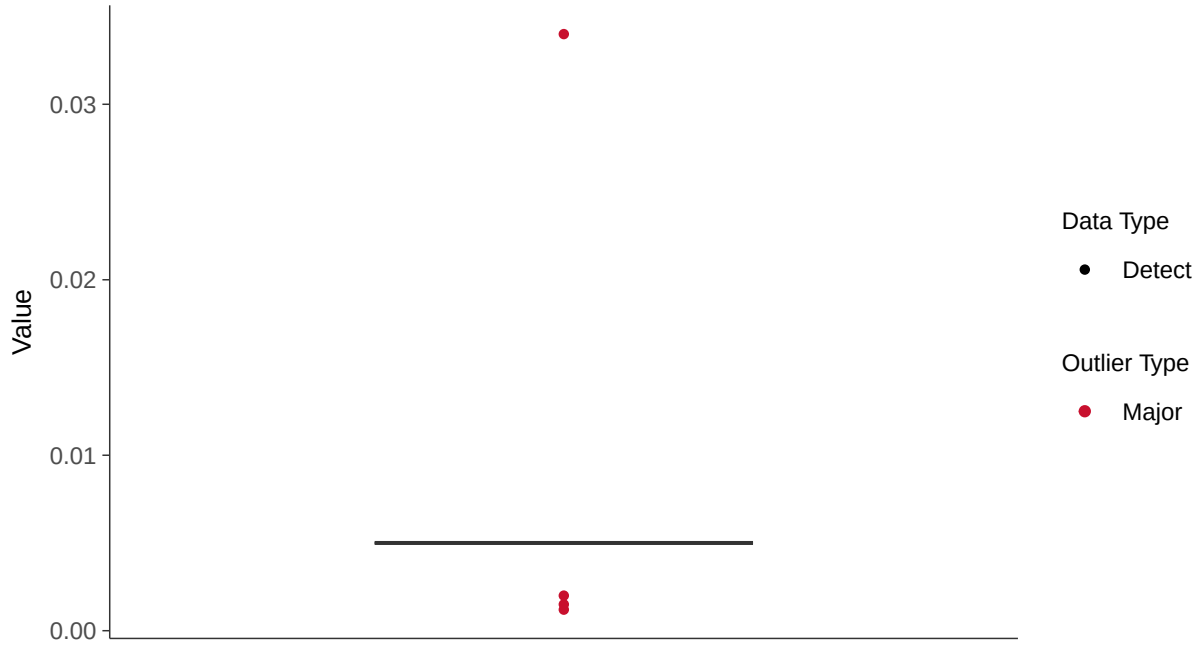
ID: 14_5_129





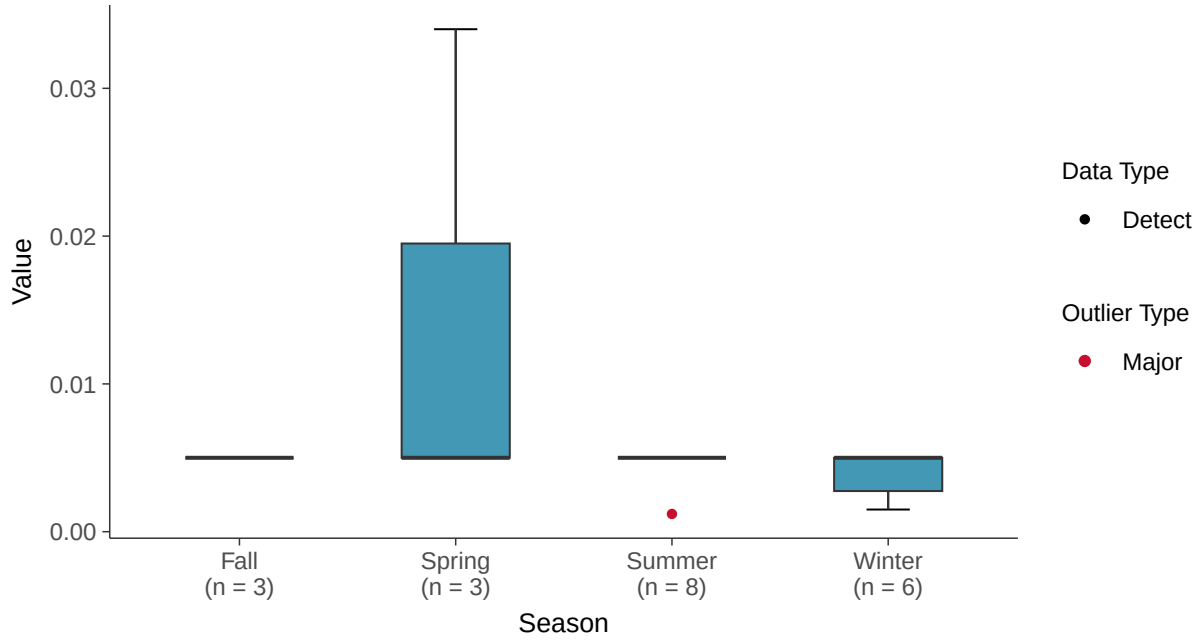
Boxplot

Zinc, MW-6 (mg/l)



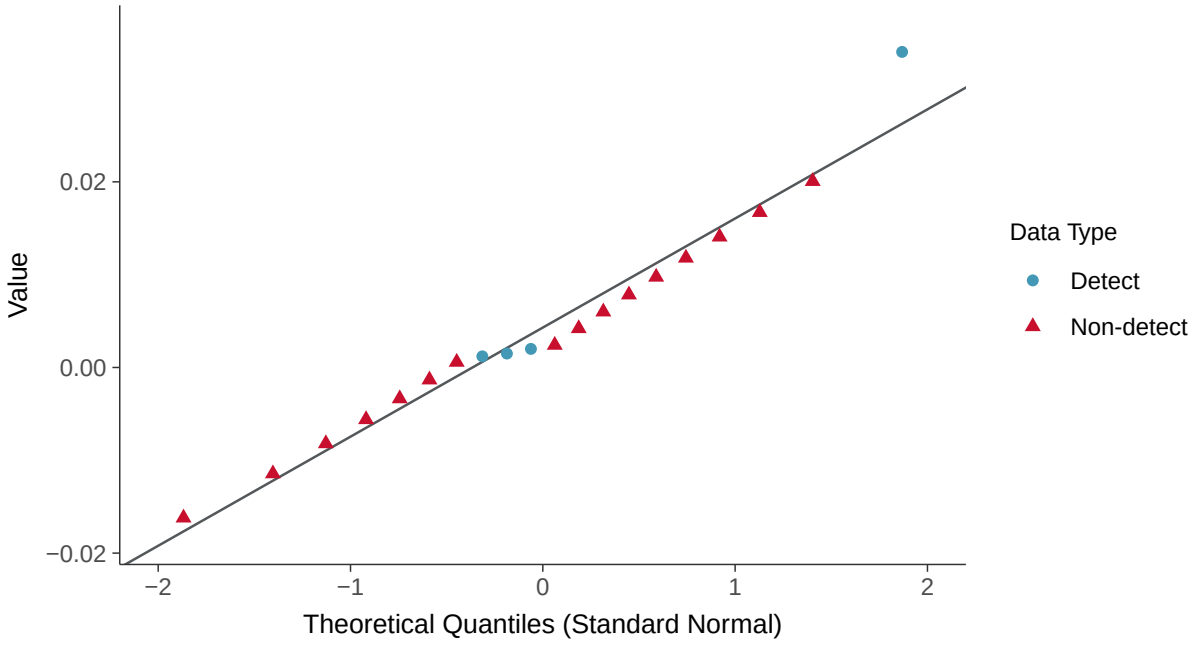
Boxplot by Season

Zinc, MW-6 (mg/l)



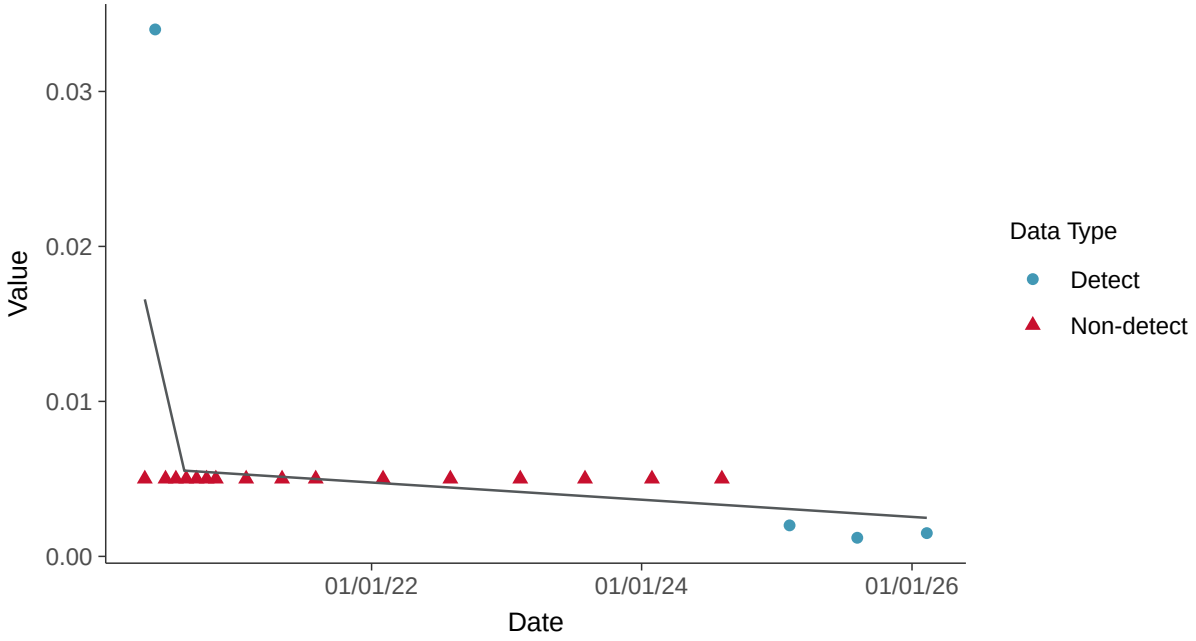
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-6 (mg/l)



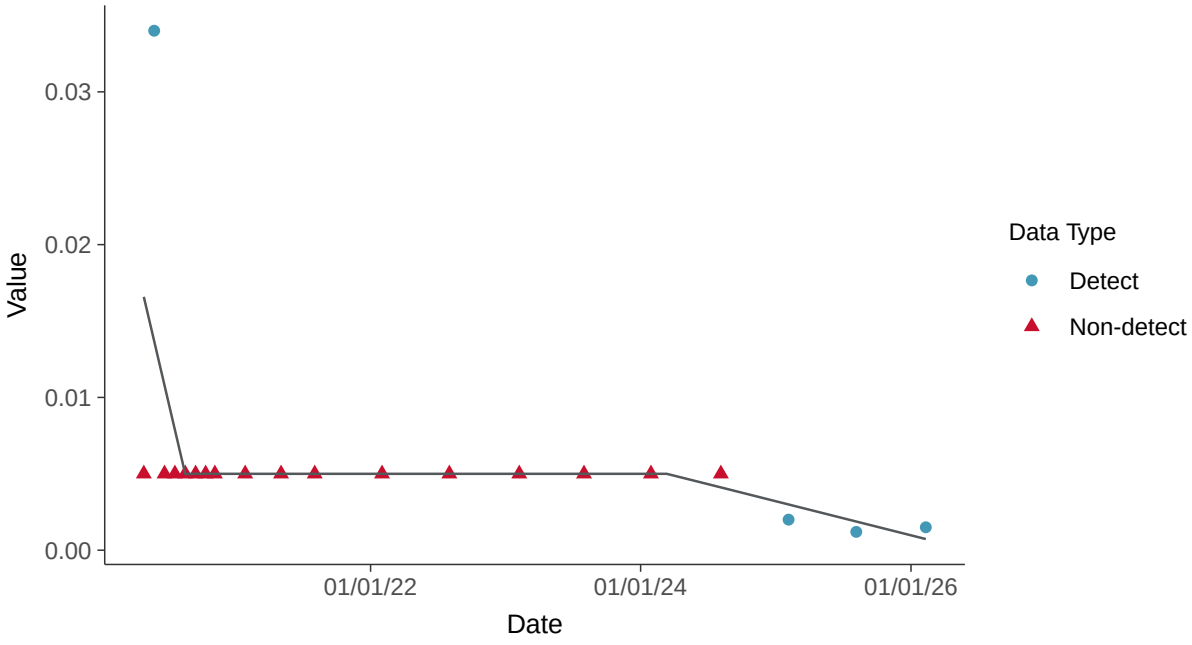
Trend Regression: Piecewise Linear-Linear

Zinc, MW-6 (mg/l)



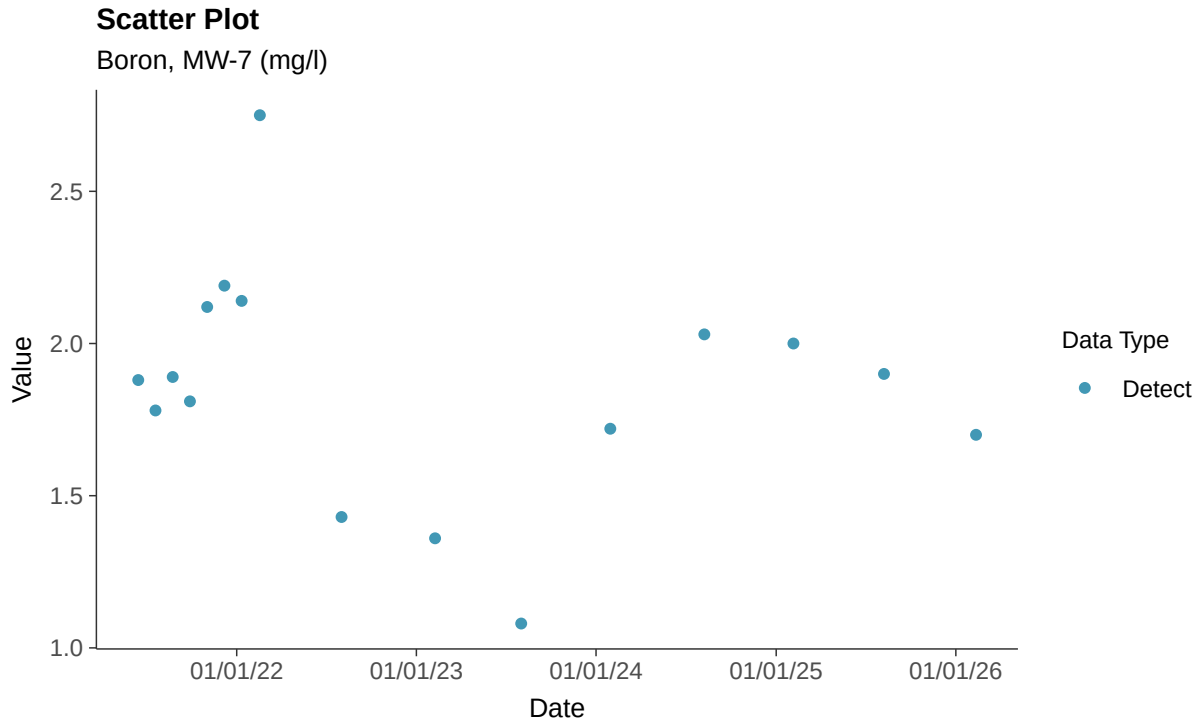
Trend Regression: Piecewise Linear-Linear-Linear

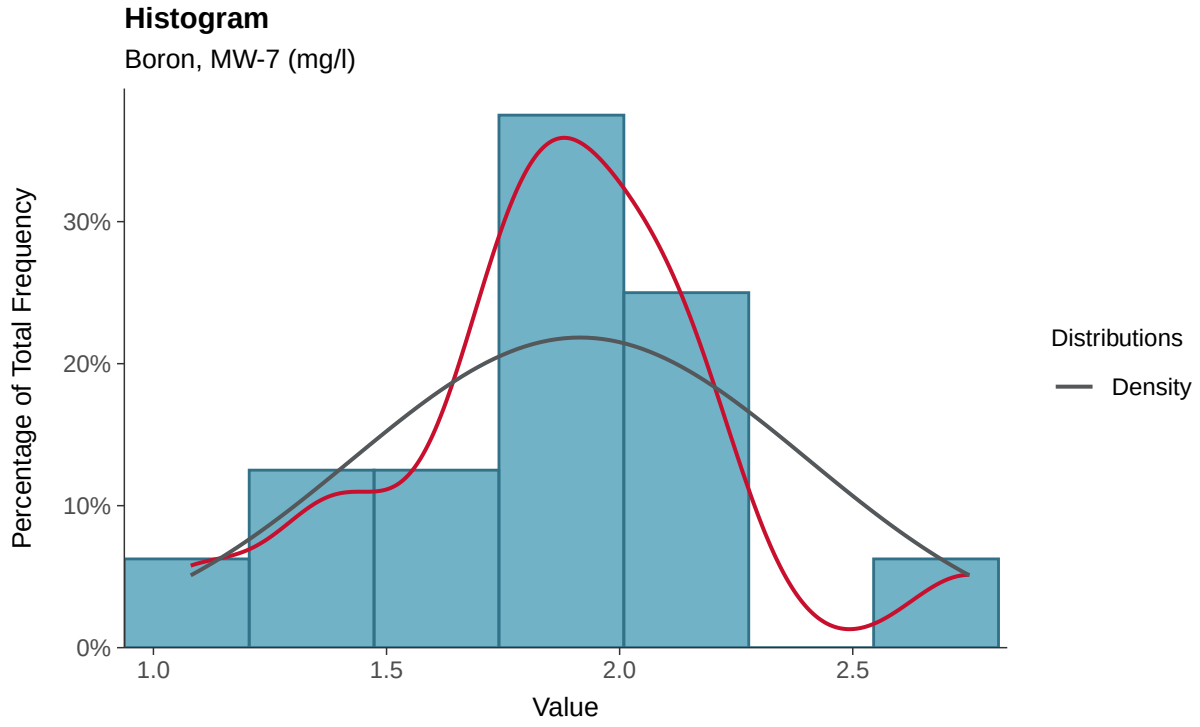
Zinc, MW-6 (mg/l)



Appendix III: Boron, MW-7

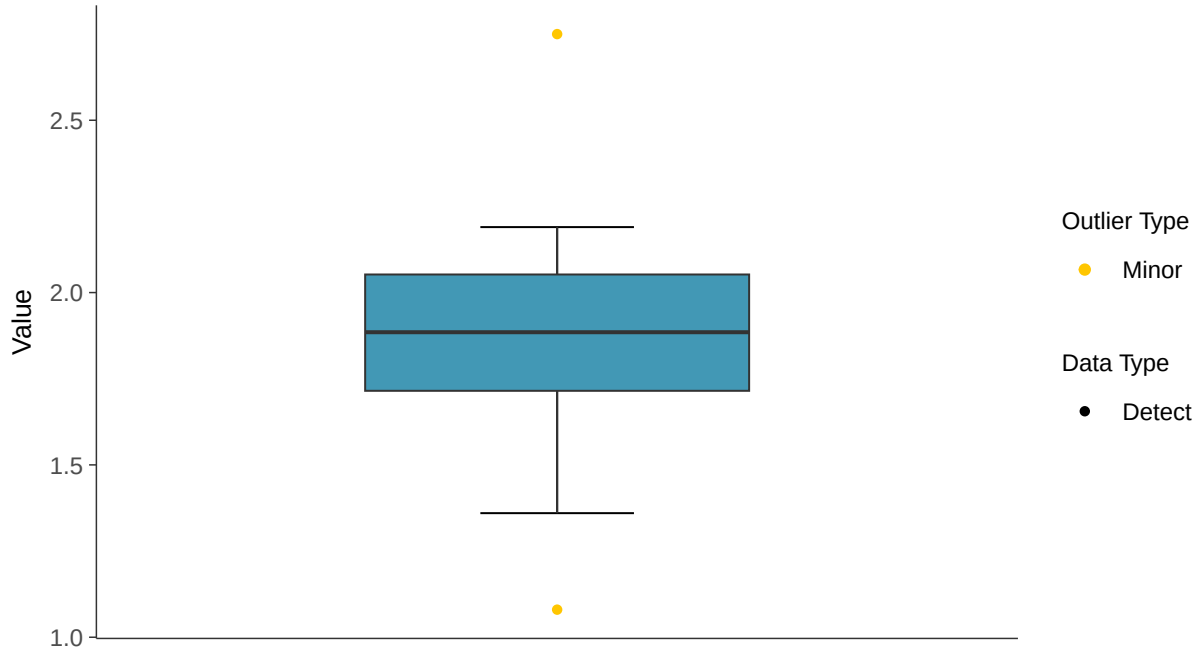
ID: 15_2_105





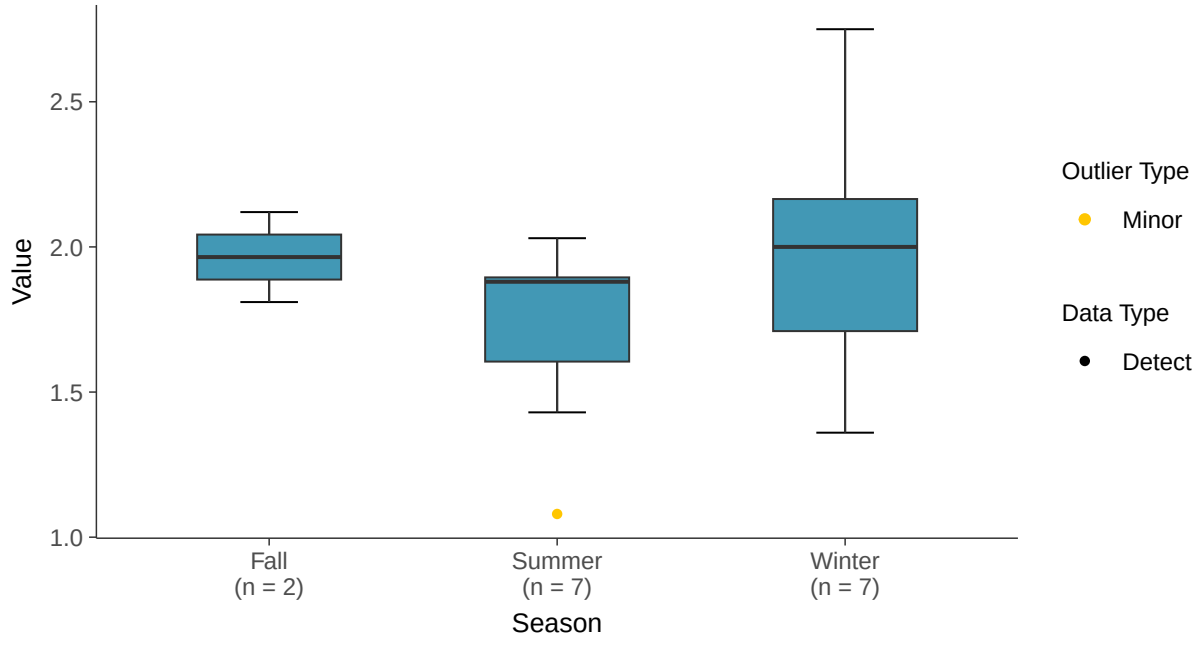
Boxplot

Boron, MW-7 (mg/l)



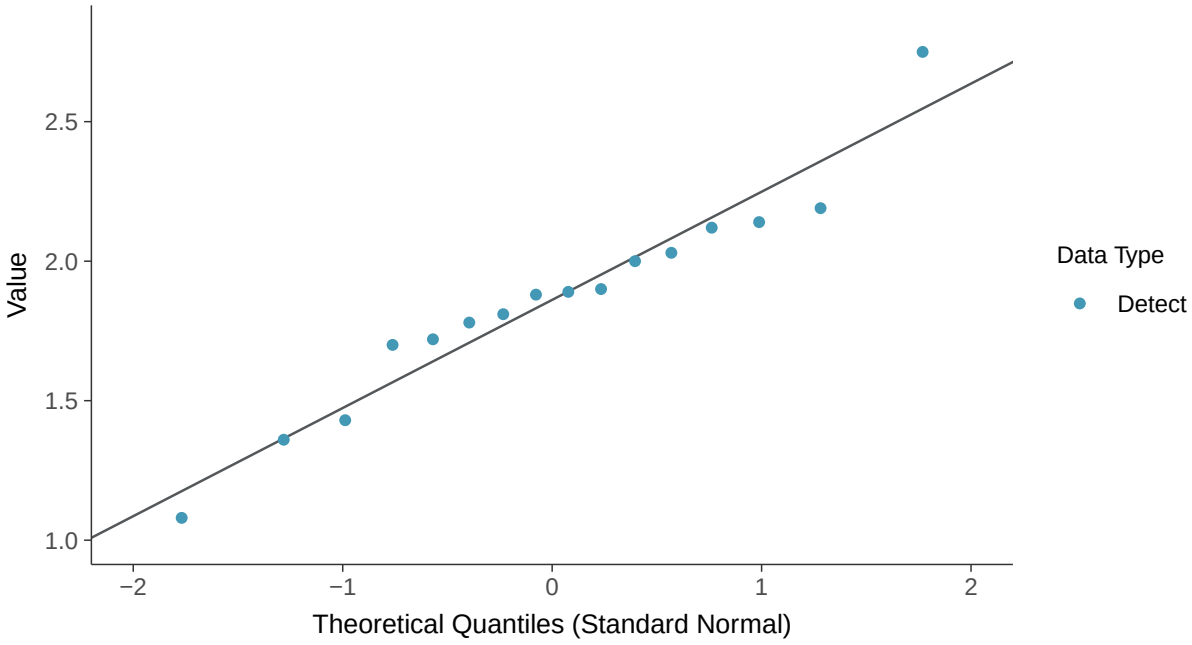
Boxplot by Season

Boron, MW-7 (mg/l)



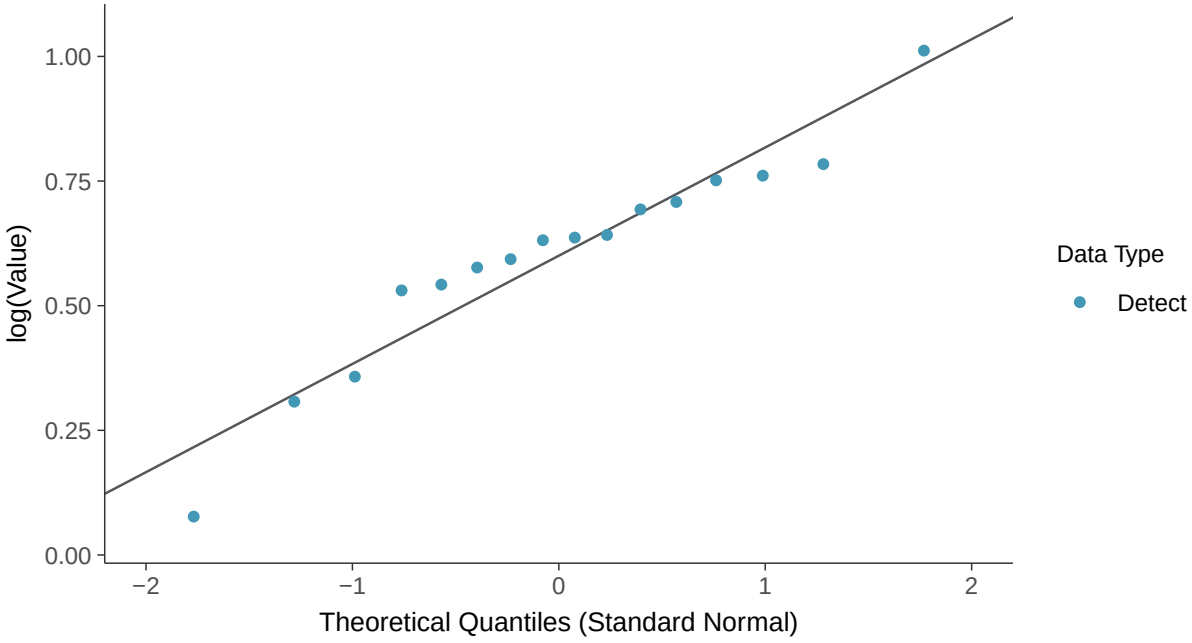
Normal Q-Q plot

Boron, MW-7 (mg/l)



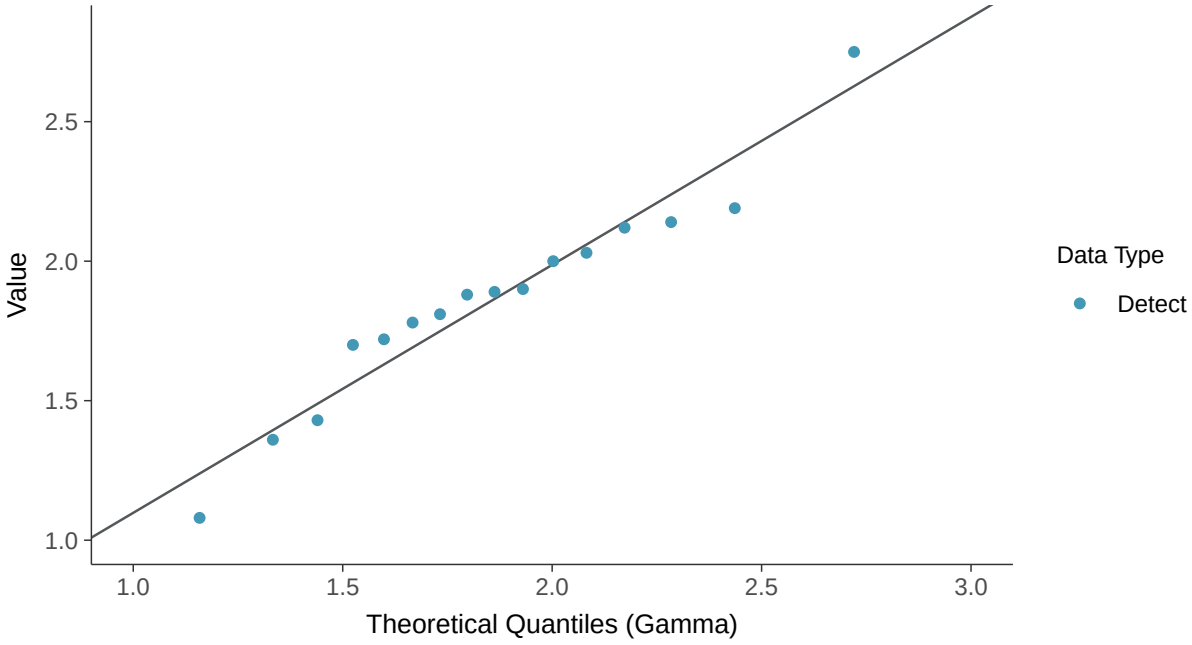
Lognormal Q-Q plot

Boron, MW-7 (mg/l)



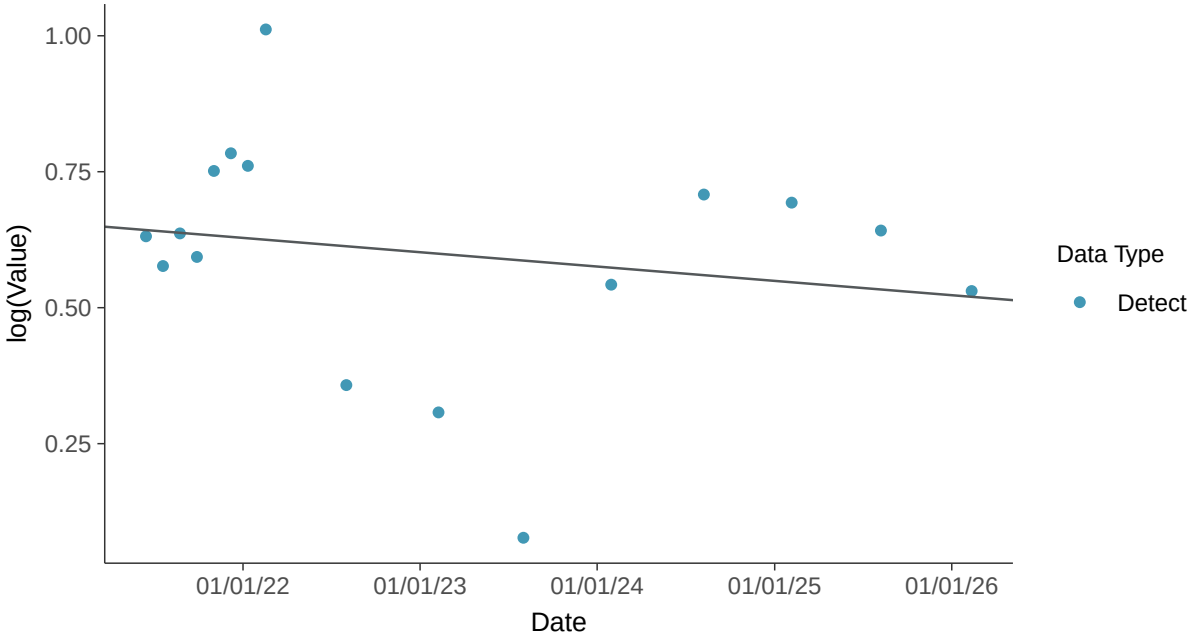
Gamma Q-Q plot

Boron, MW-7 (mg/l)



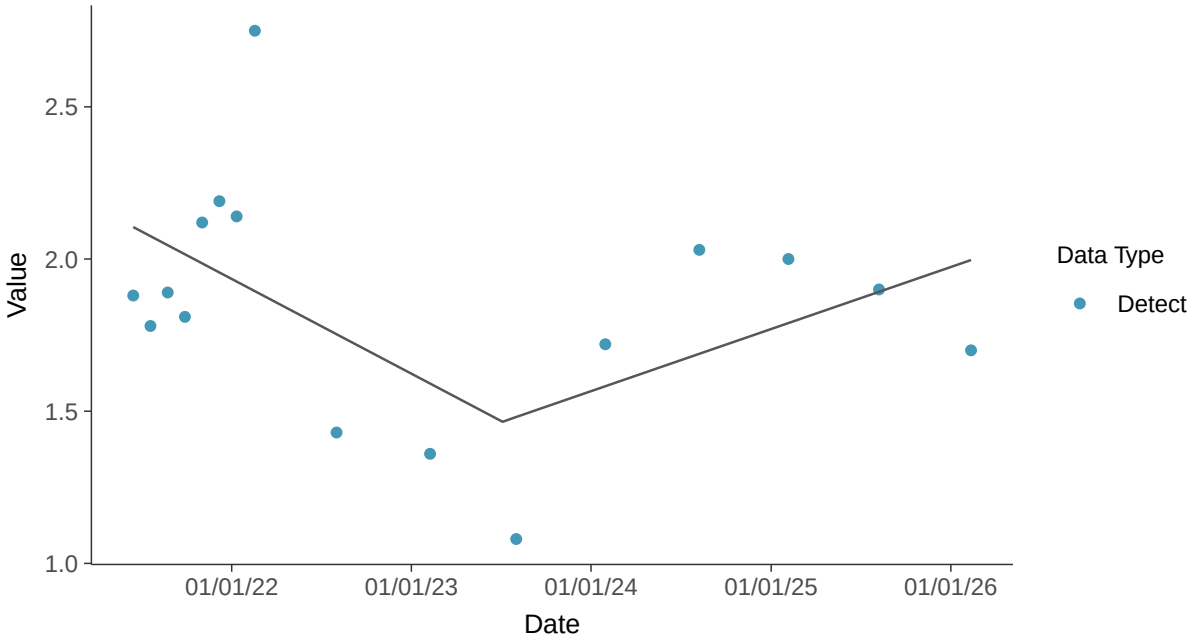
Trend Regression: Lognormal MLE

Boron, MW-7 (mg/l)



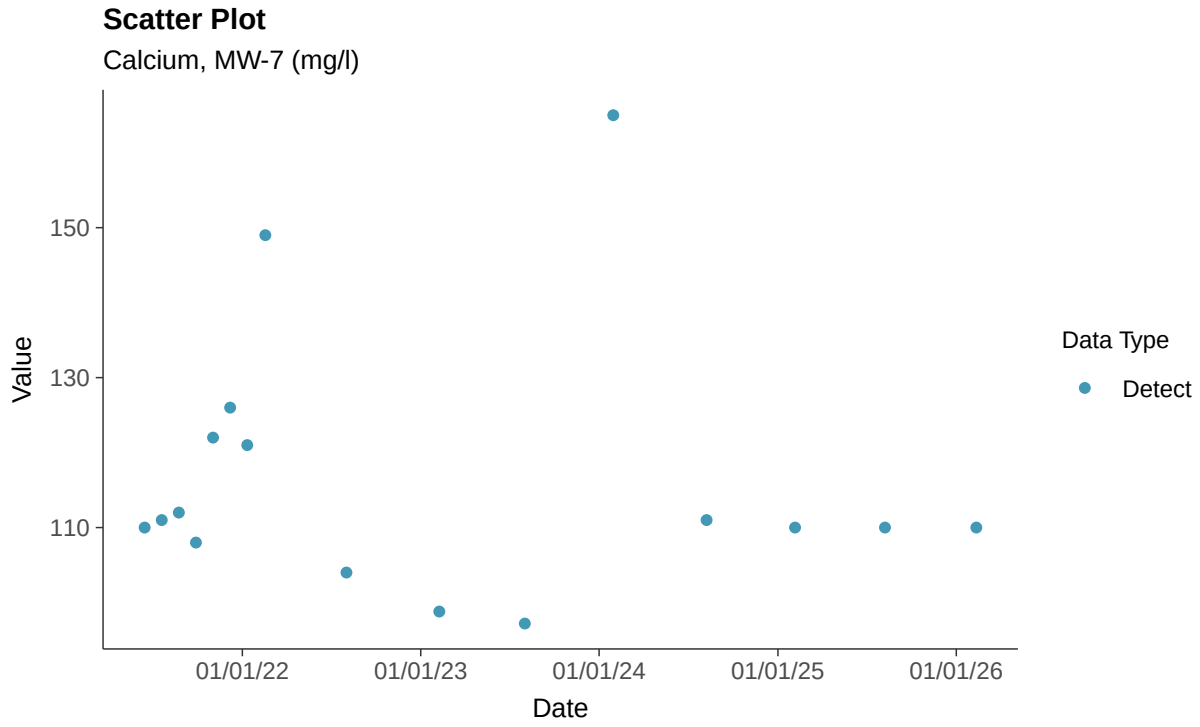
Trend Regression: Piecewise Linear-Linear

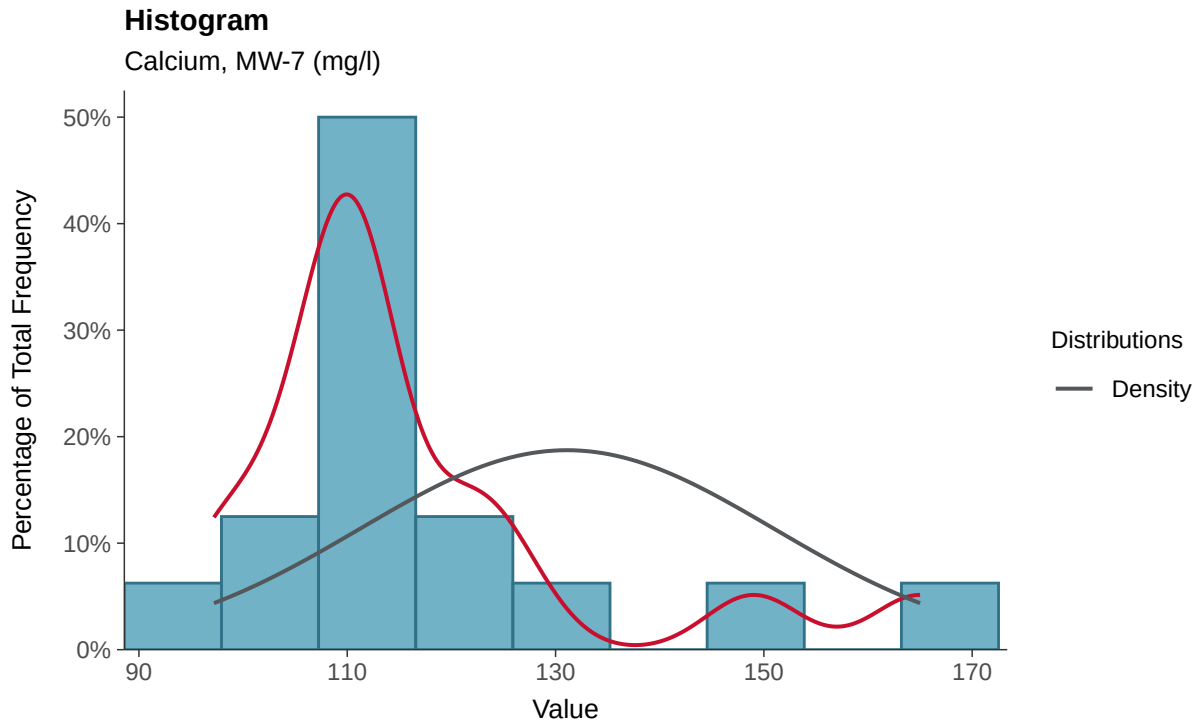
Boron, MW-7 (mg/l)



Appendix III: Calcium, MW-7

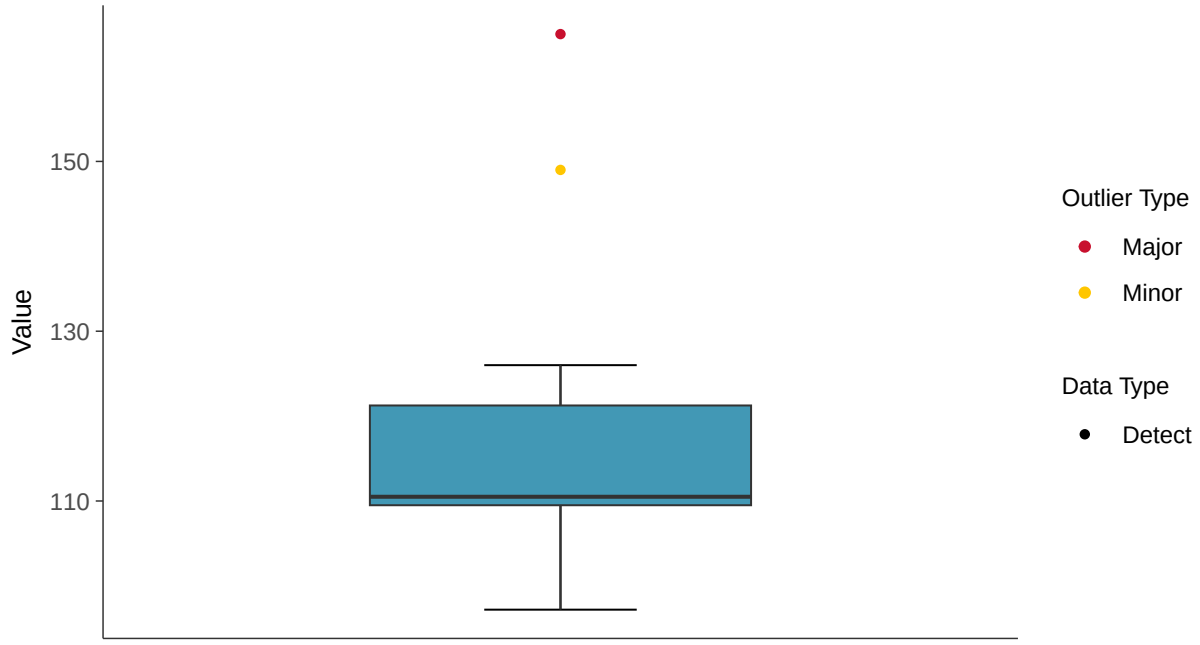
ID: 15_2_107





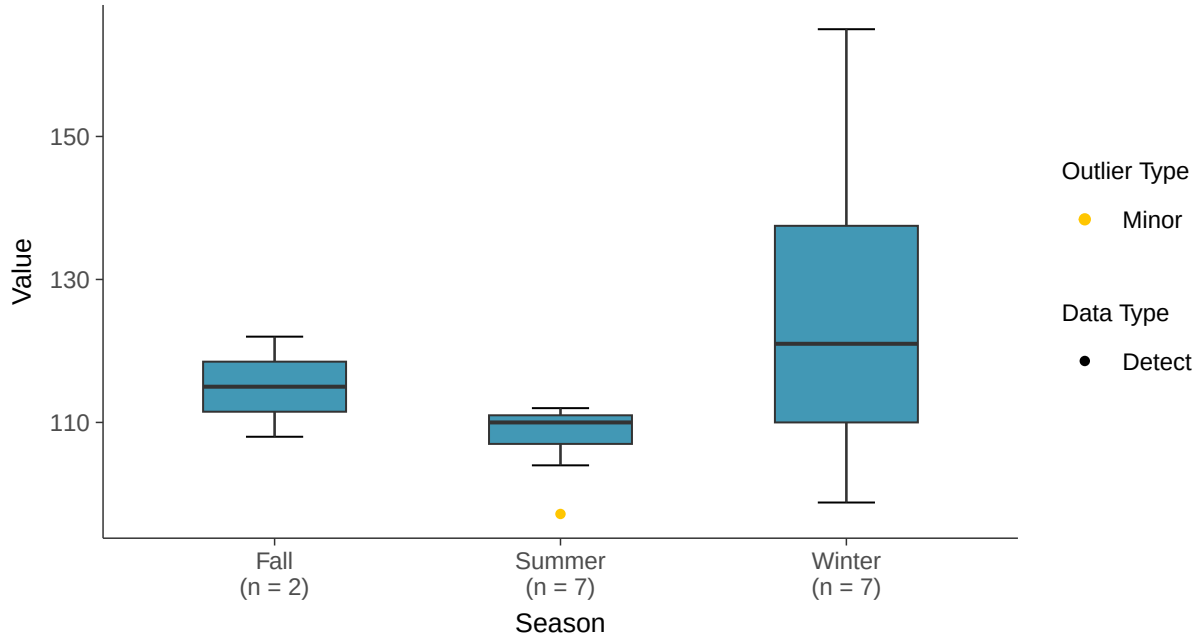
Boxplot

Calcium, MW-7 (mg/l)



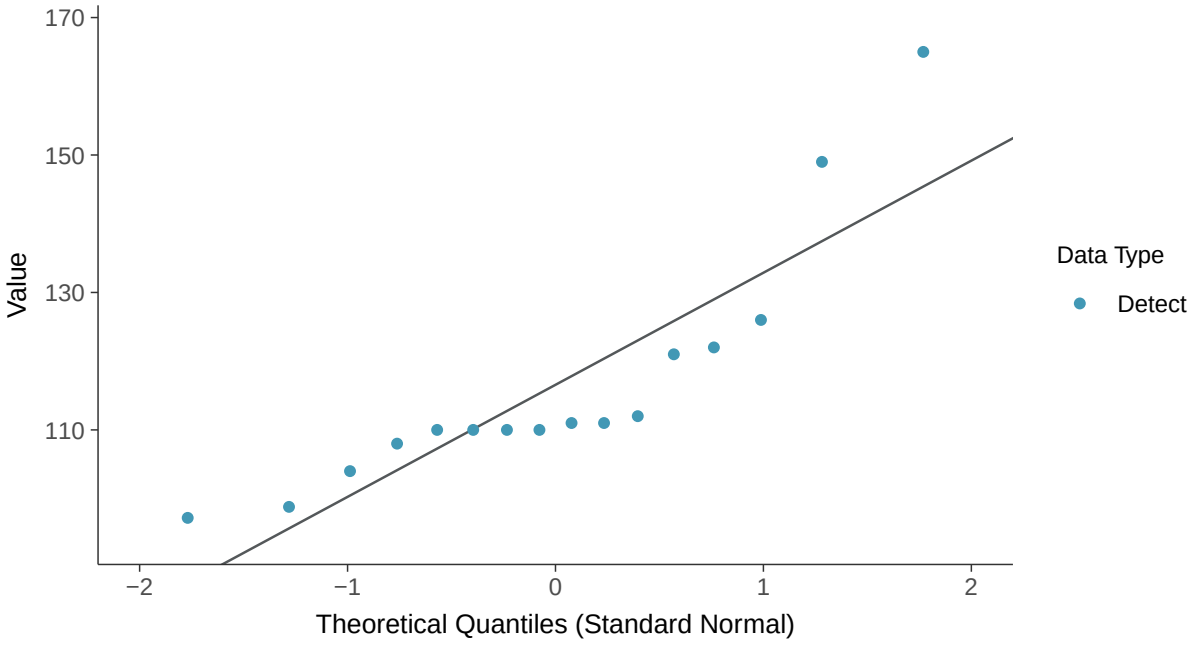
Boxplot by Season

Calcium, MW-7 (mg/l)



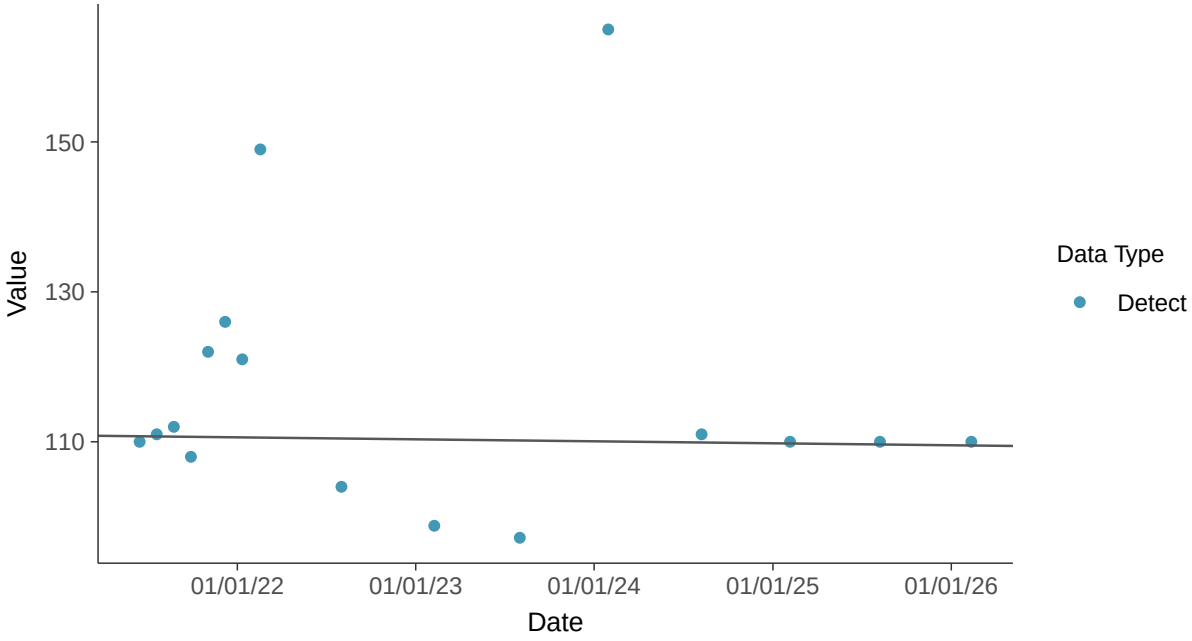
Normal Q-Q plot

Calcium, MW-7 (mg/l)



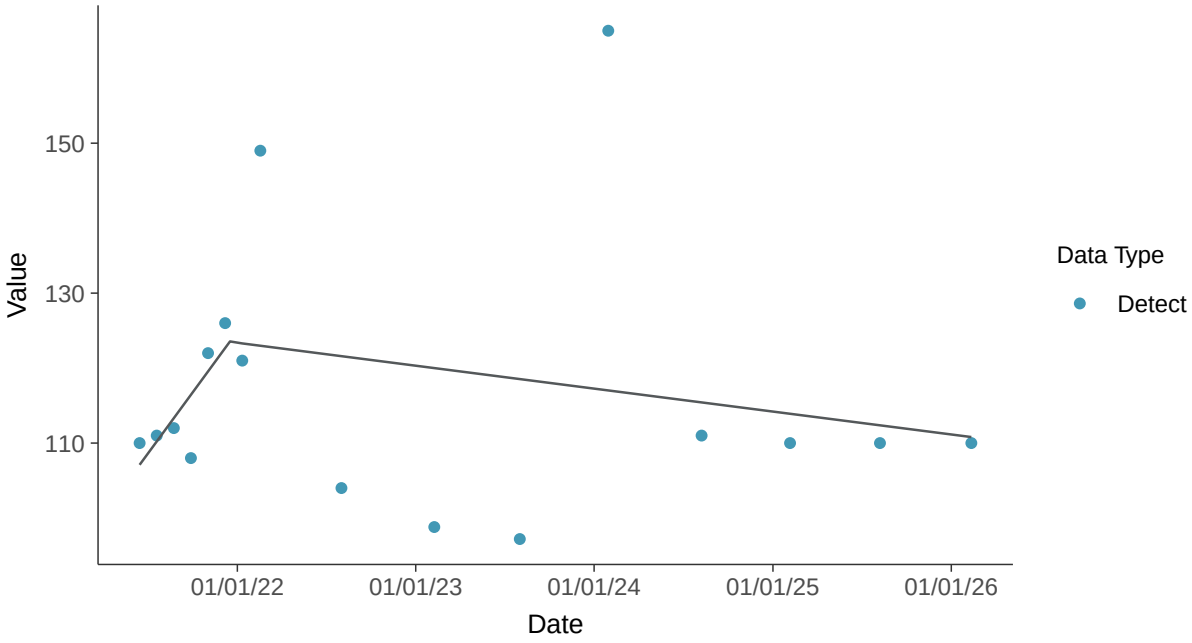
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Calcium, MW-7 (mg/l)



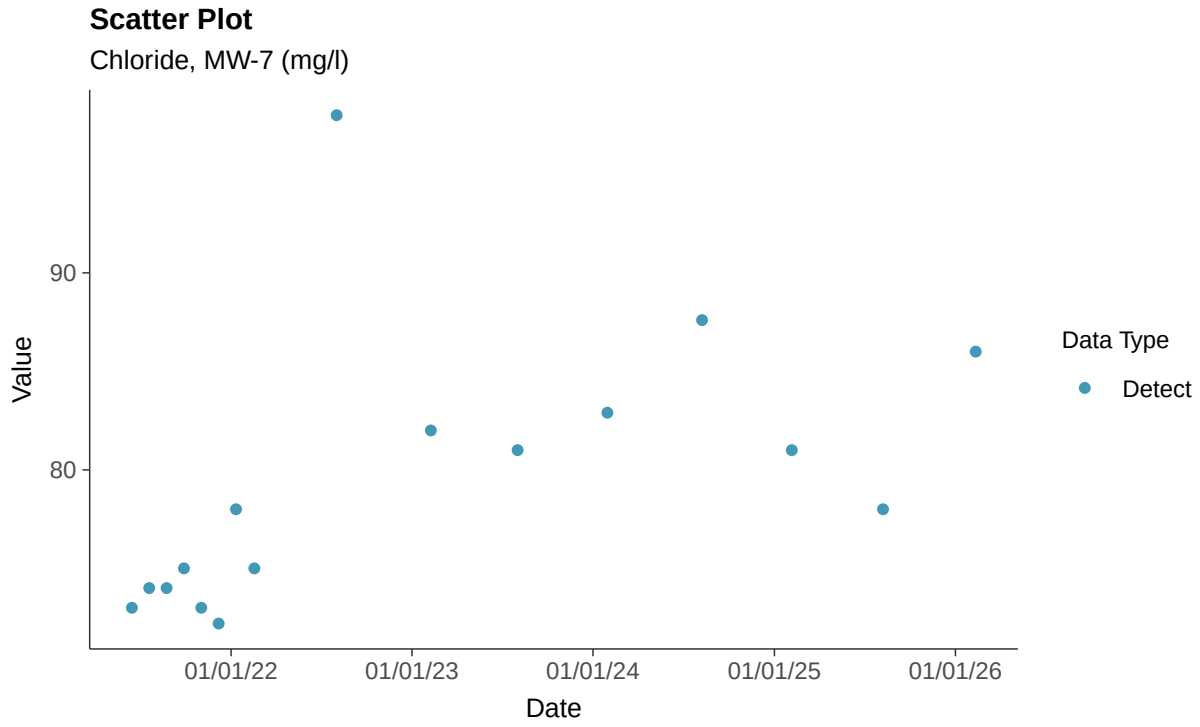
Trend Regression: Piecewise Linear-Linear

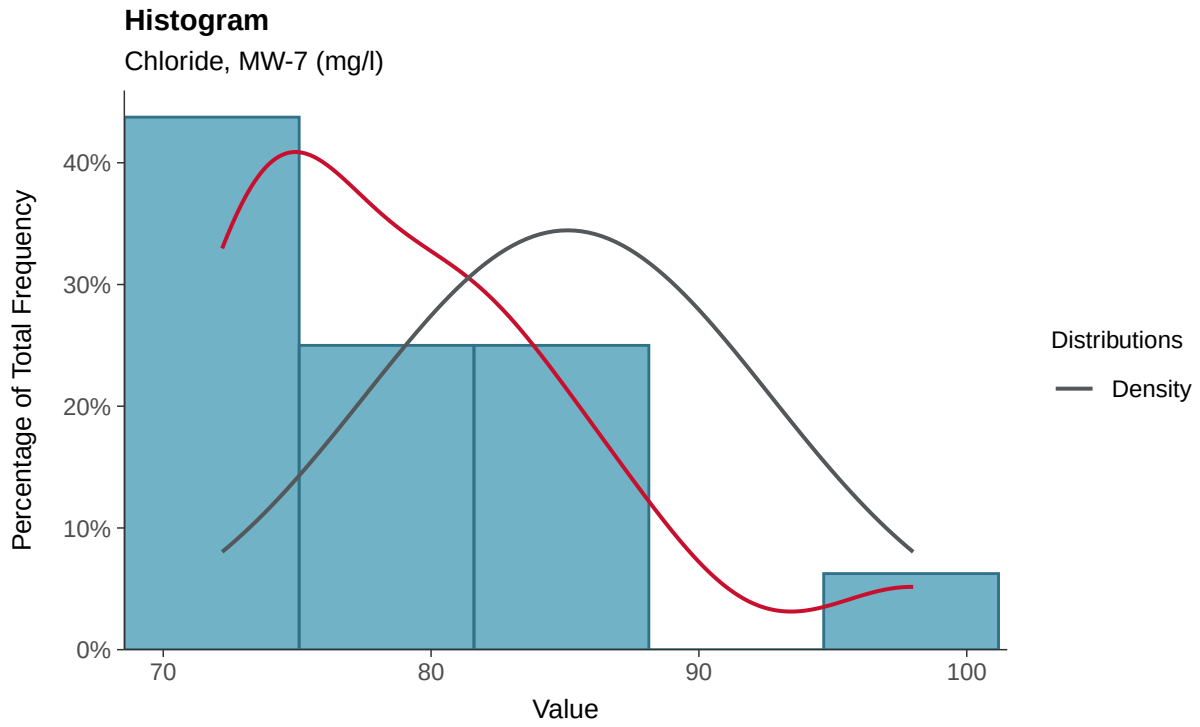
Calcium, MW-7 (mg/l)



Appendix III: Chloride, MW-7

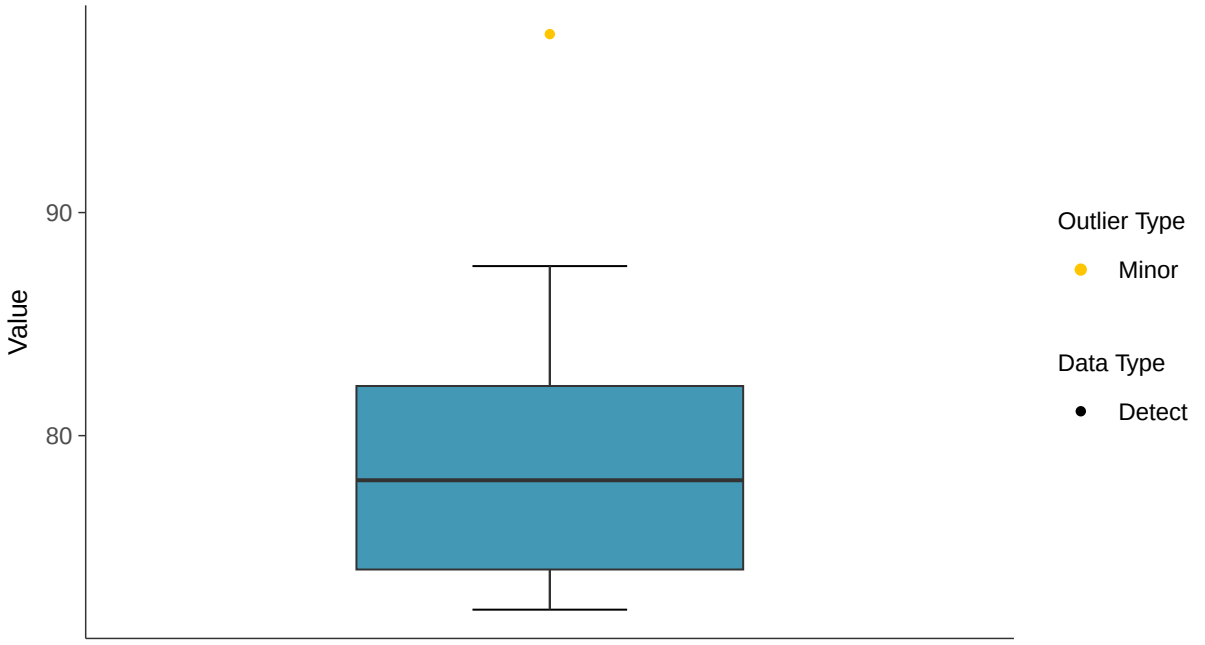
ID: 15_2_108





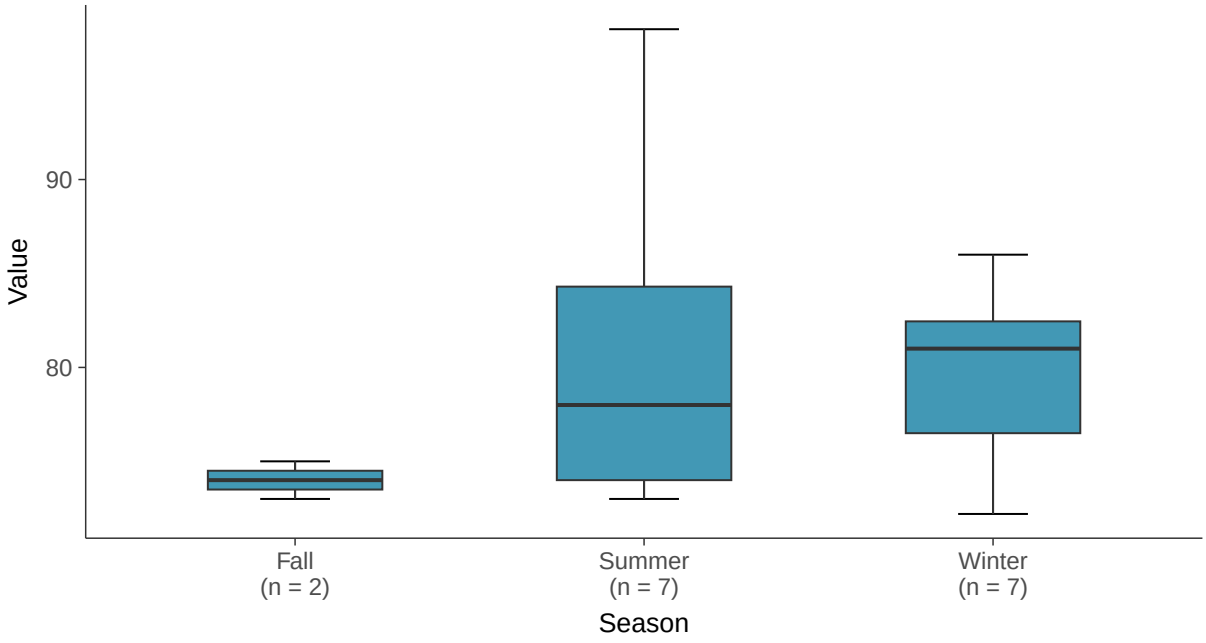
Boxplot

Chloride, MW-7 (mg/l)



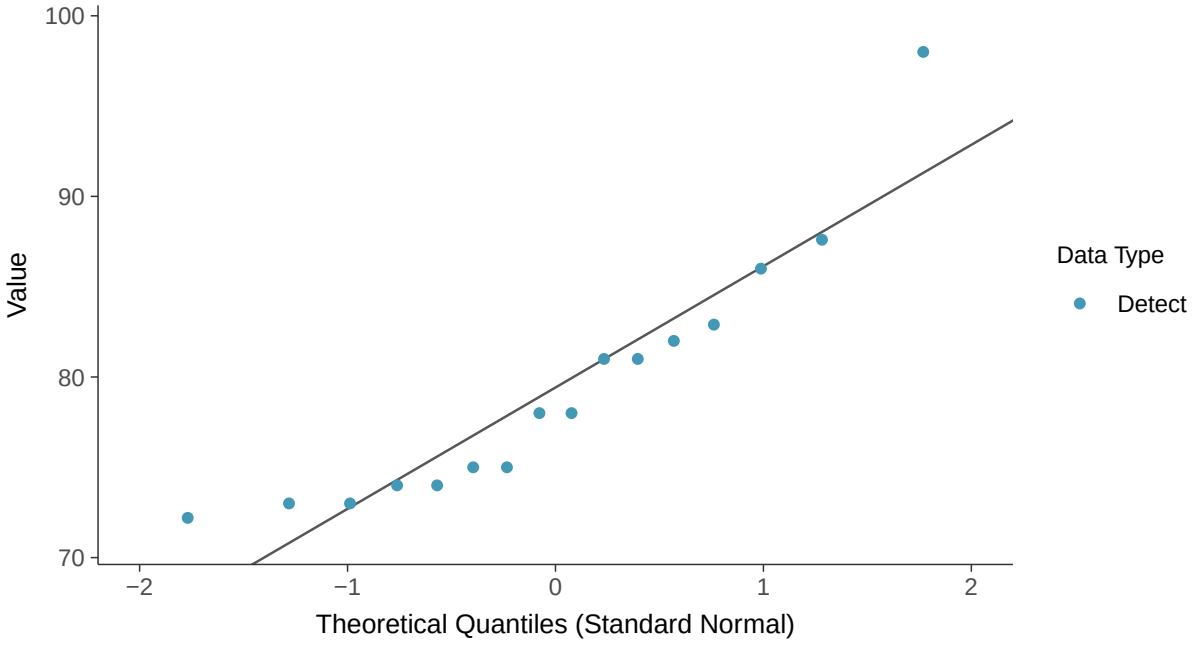
Boxplot by Season

Chloride, MW-7 (mg/l)



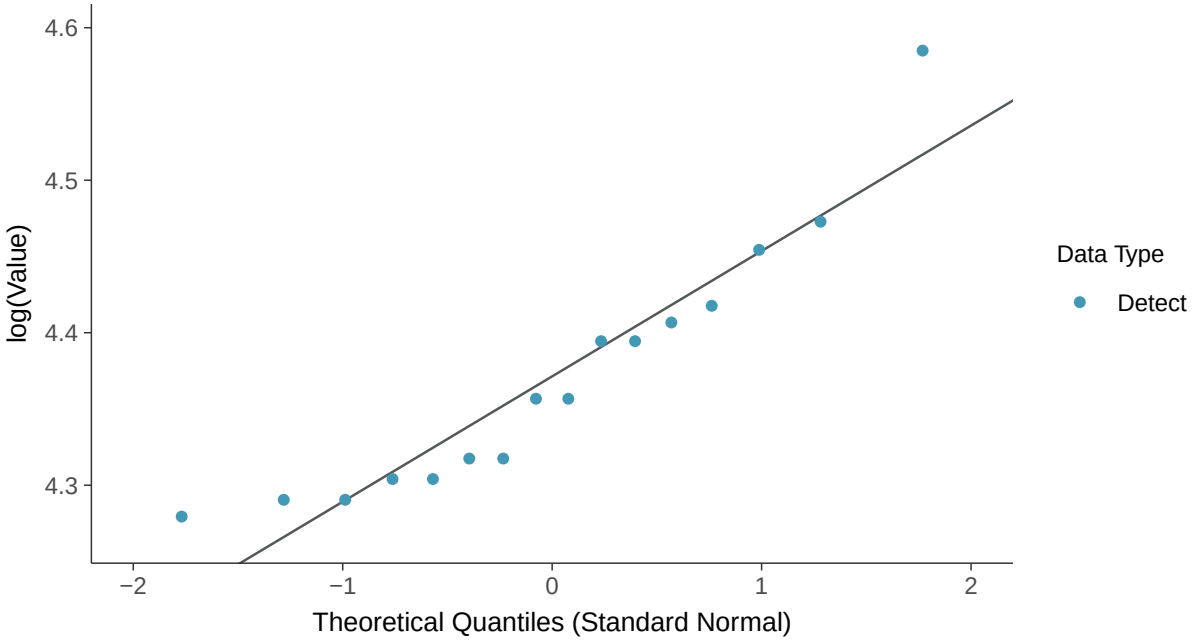
Normal Q-Q plot

Chloride, MW-7 (mg/l)



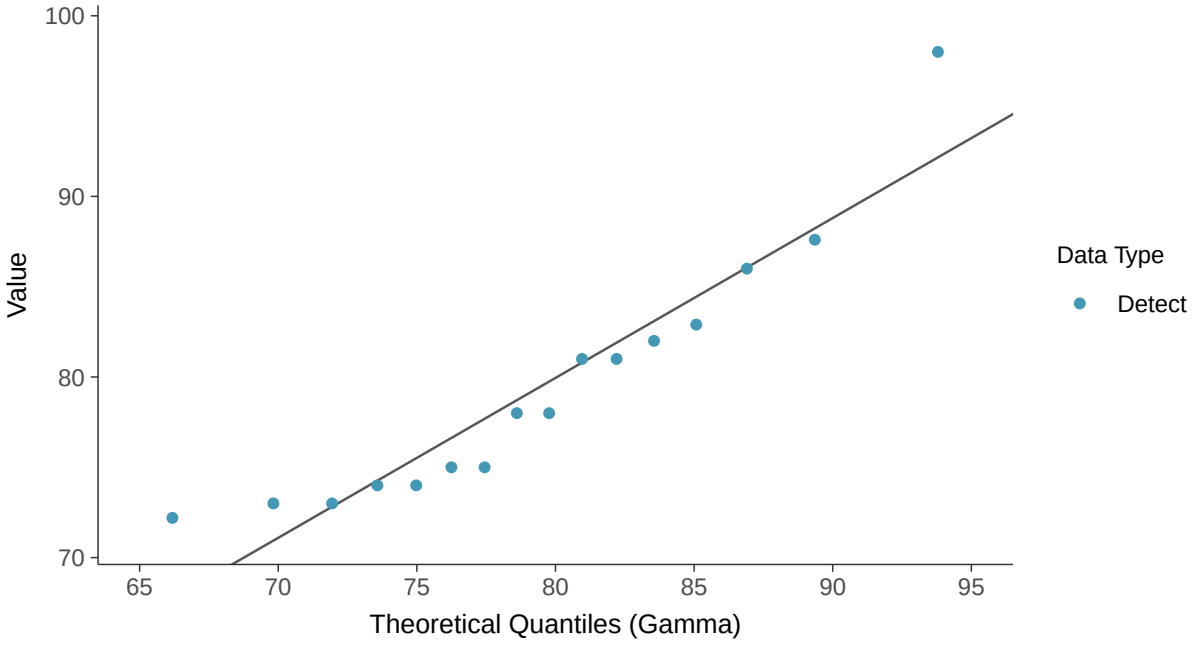
Lognormal Q-Q plot

Chloride, MW-7 (mg/l)



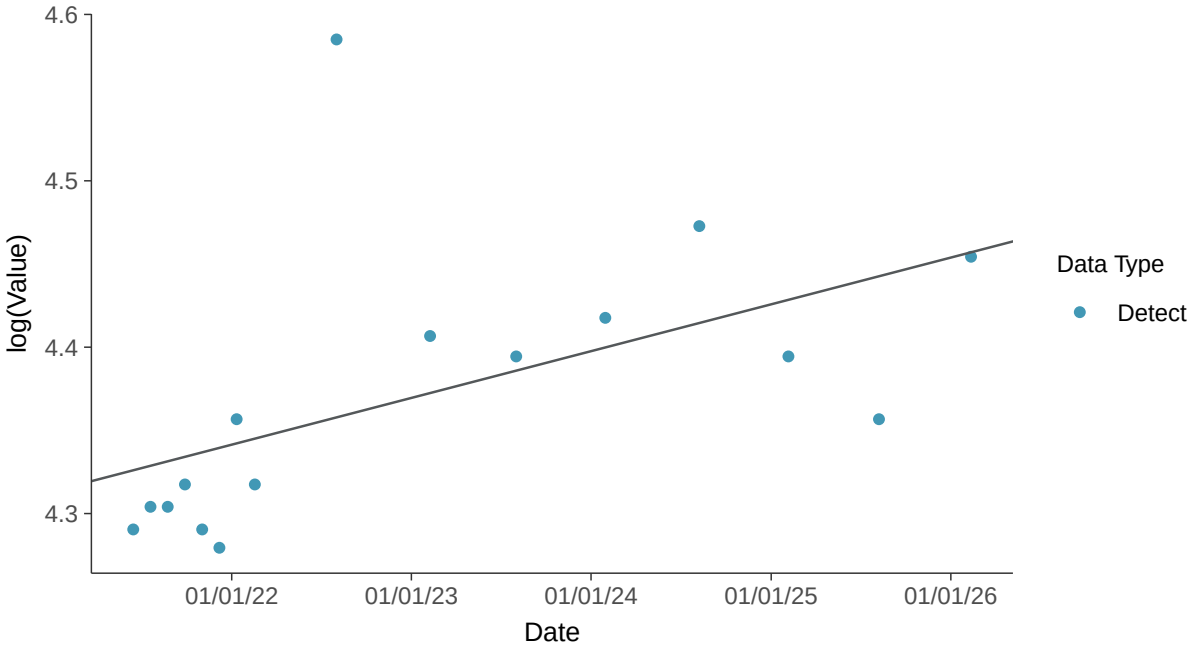
Gamma Q-Q plot

Chloride, MW-7 (mg/l)



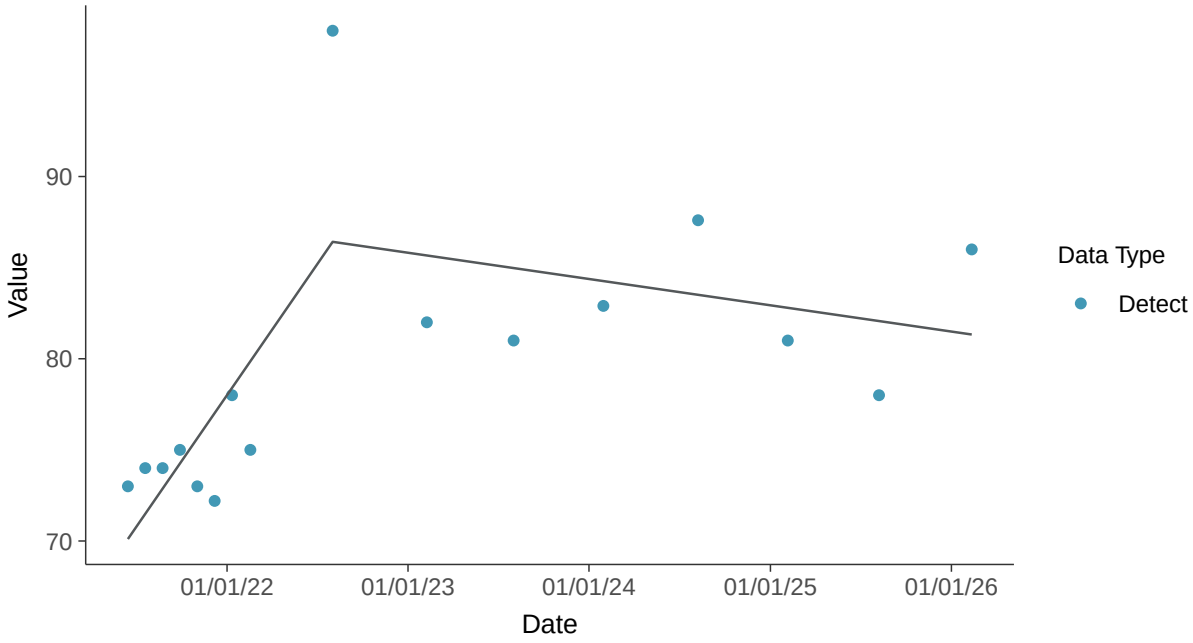
Trend Regression: Lognormal MLE

Chloride, MW-7 (mg/l)



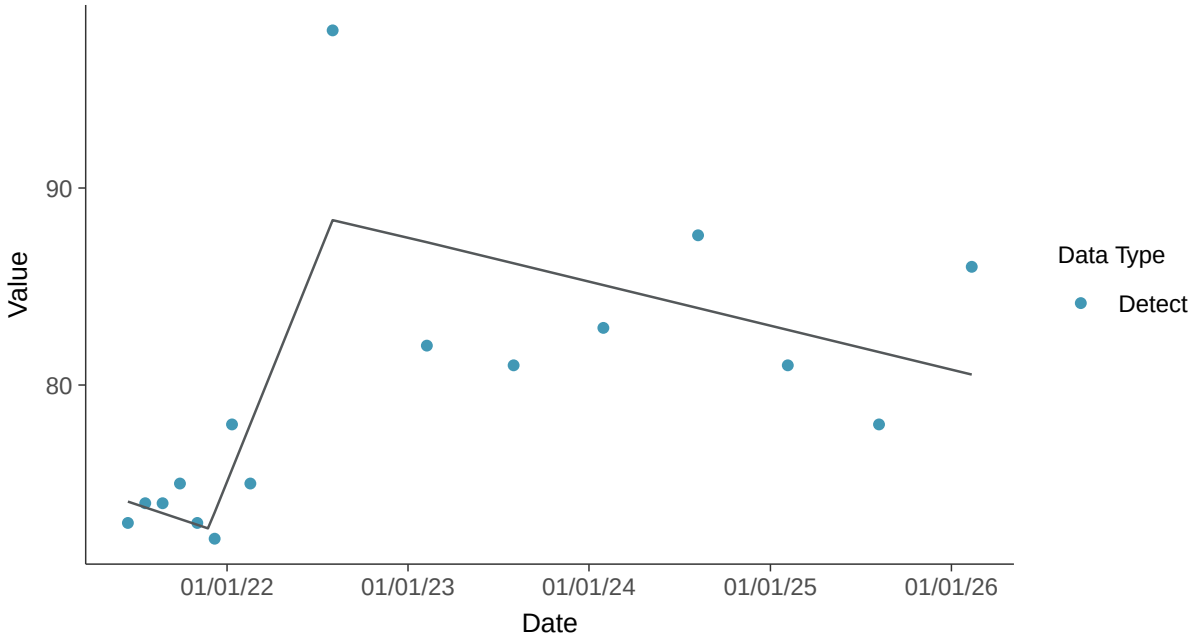
Trend Regression: Piecewise Linear-Linear

Chloride, MW-7 (mg/l)



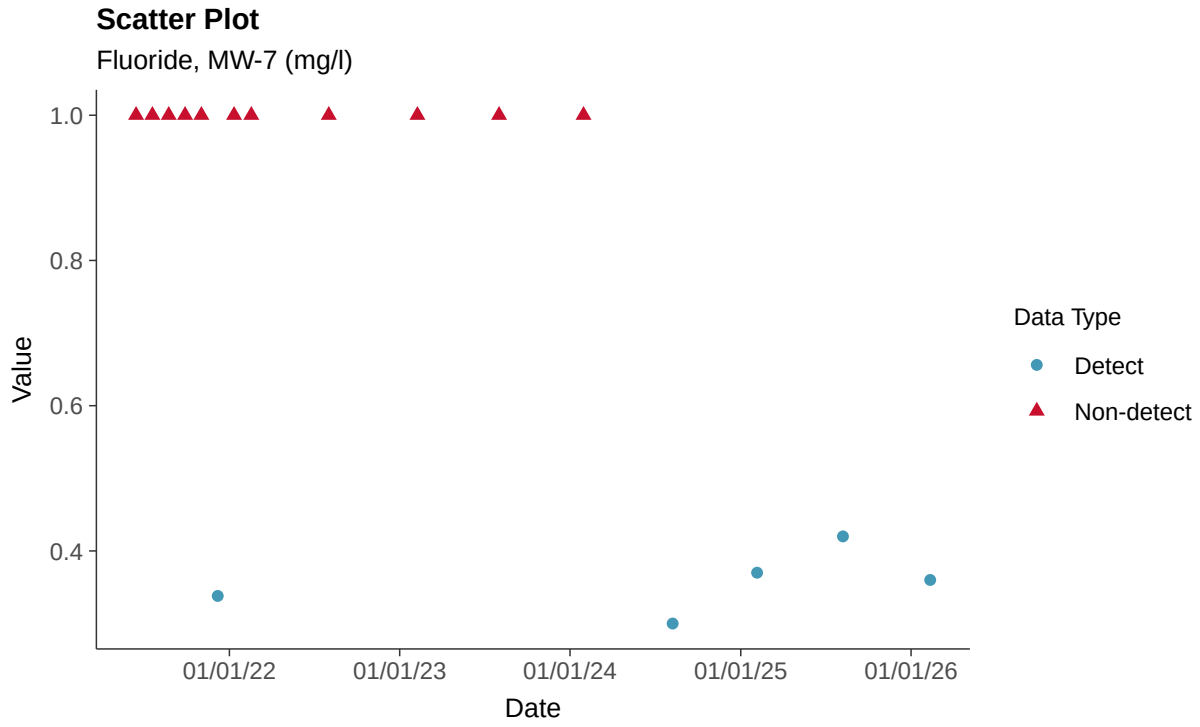
Trend Regression: Piecewise Linear-Linear-Linear

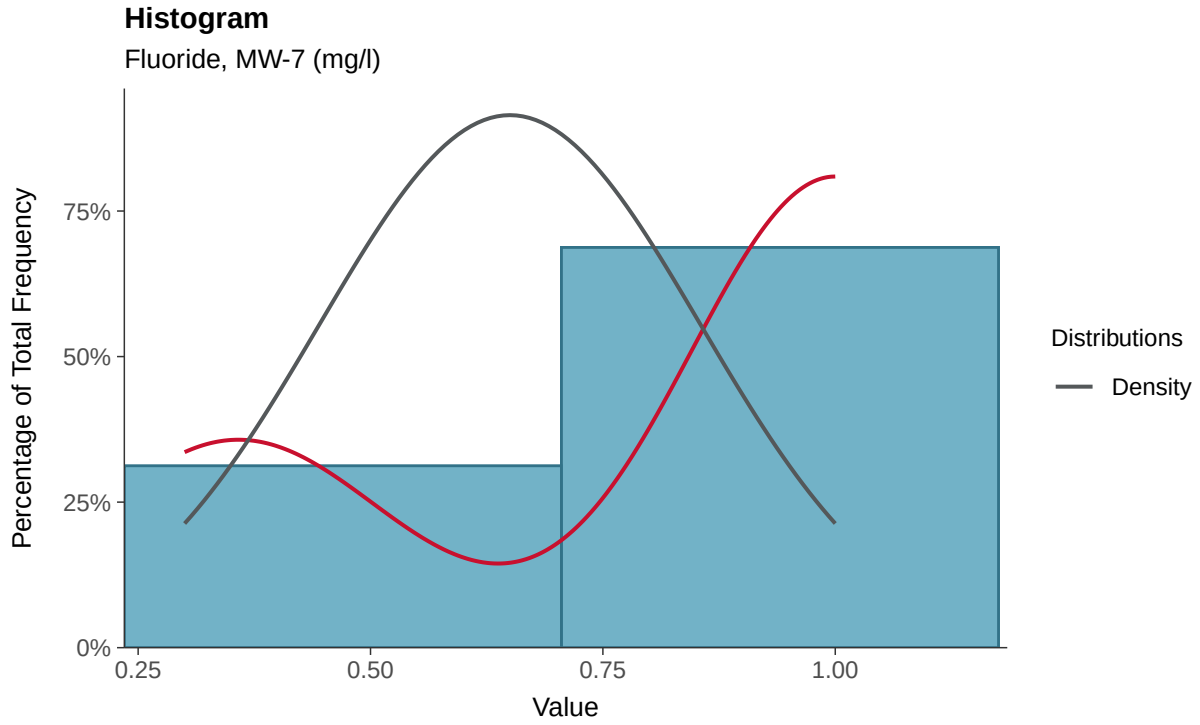
Chloride, MW-7 (mg/l)



Appendix III: Fluoride, MW-7

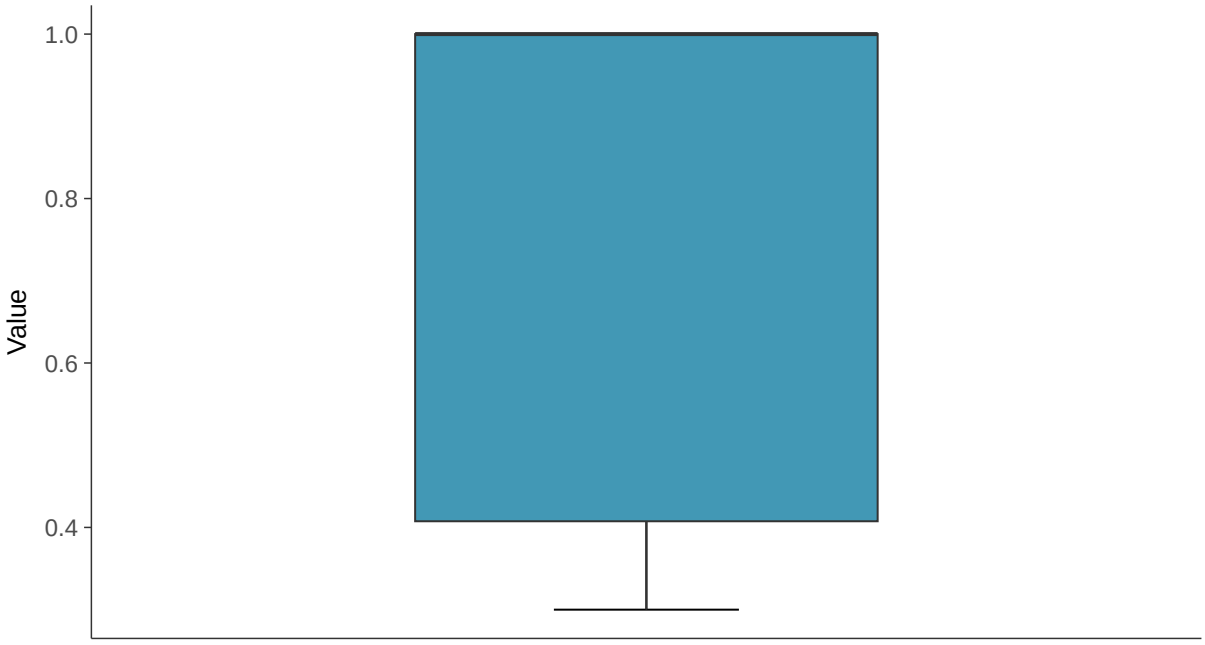
ID: 15_2_112





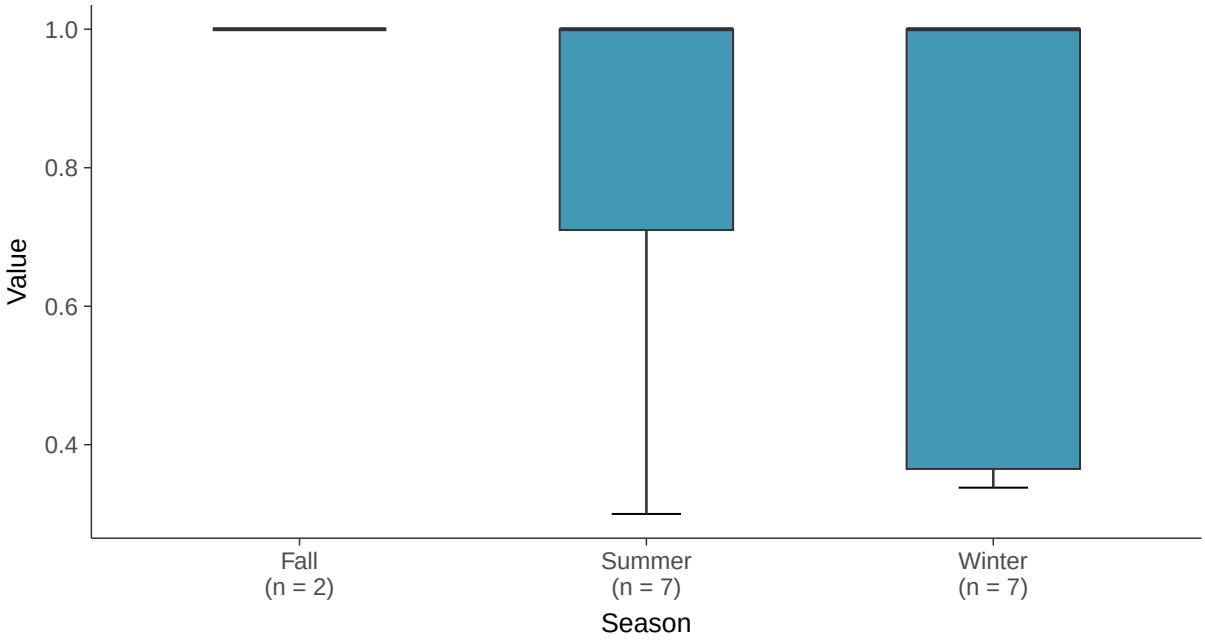
Boxplot

Fluoride, MW-7 (mg/l)



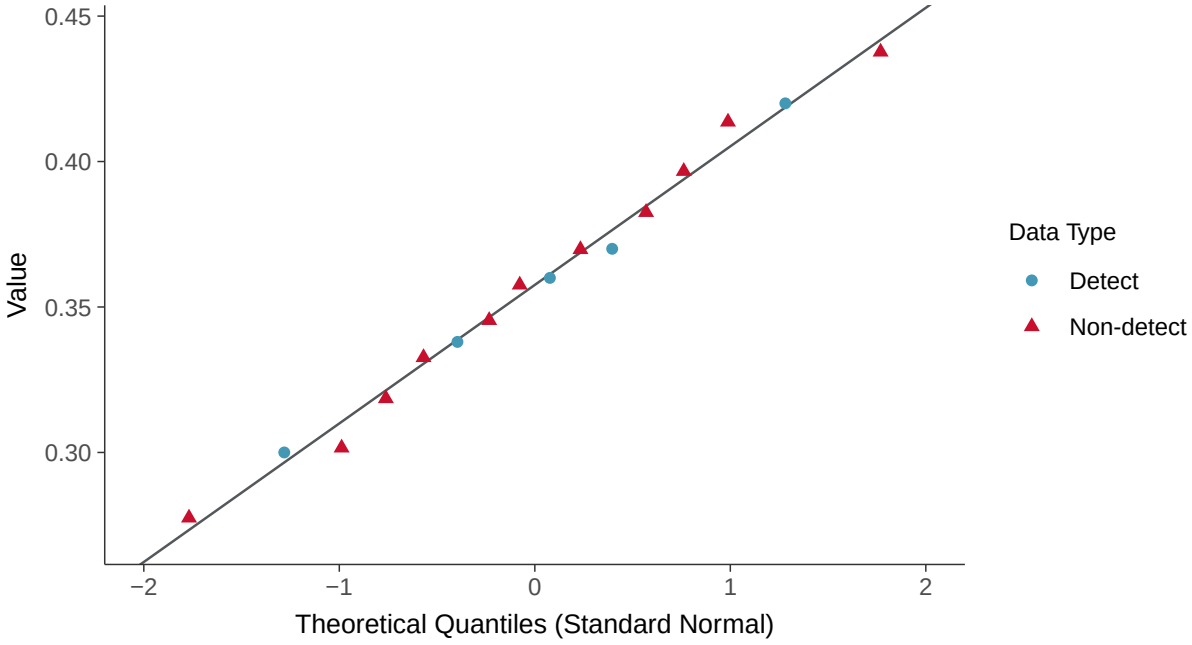
Boxplot by Season

Fluoride, MW-7 (mg/l)



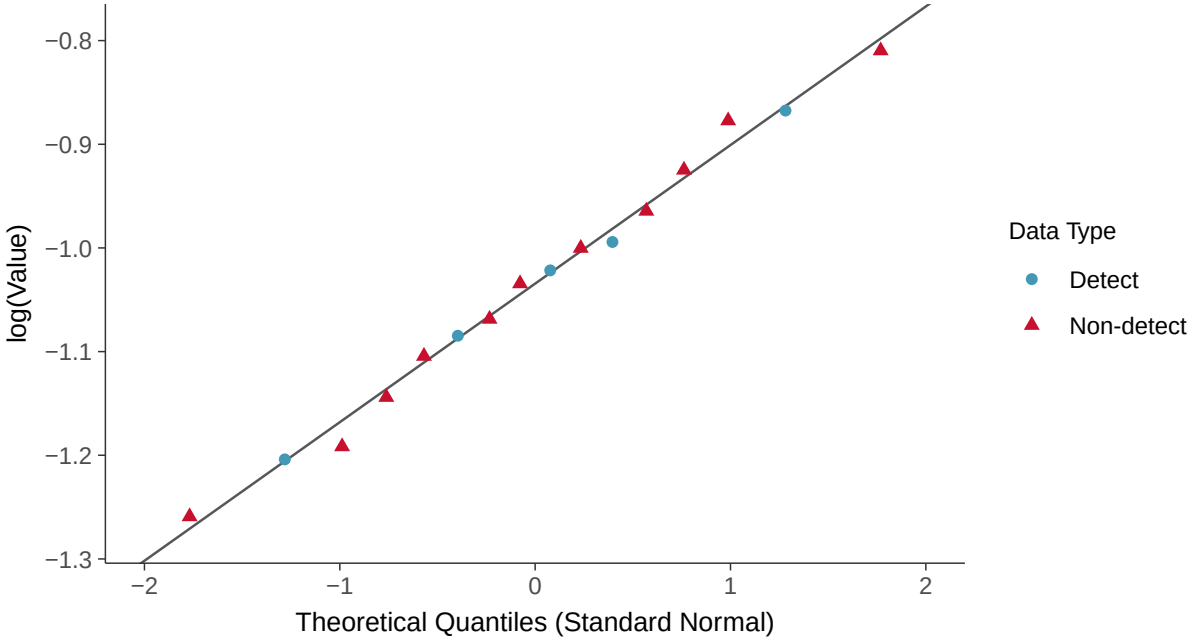
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-7 (mg/l)



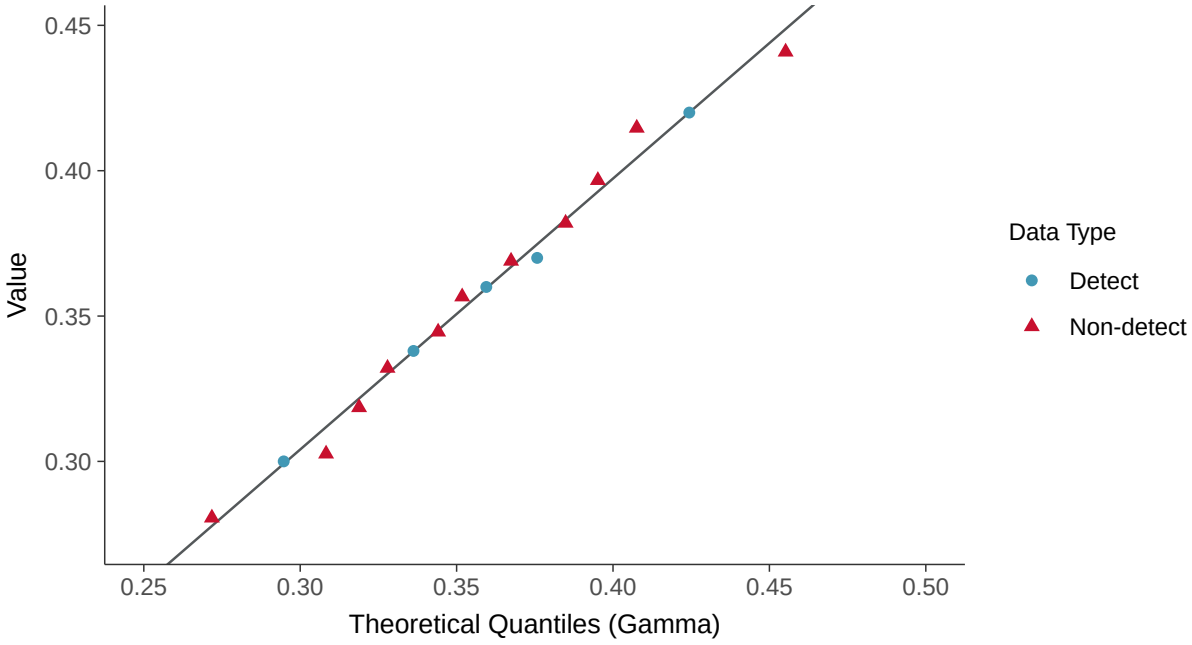
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-7 (mg/l)



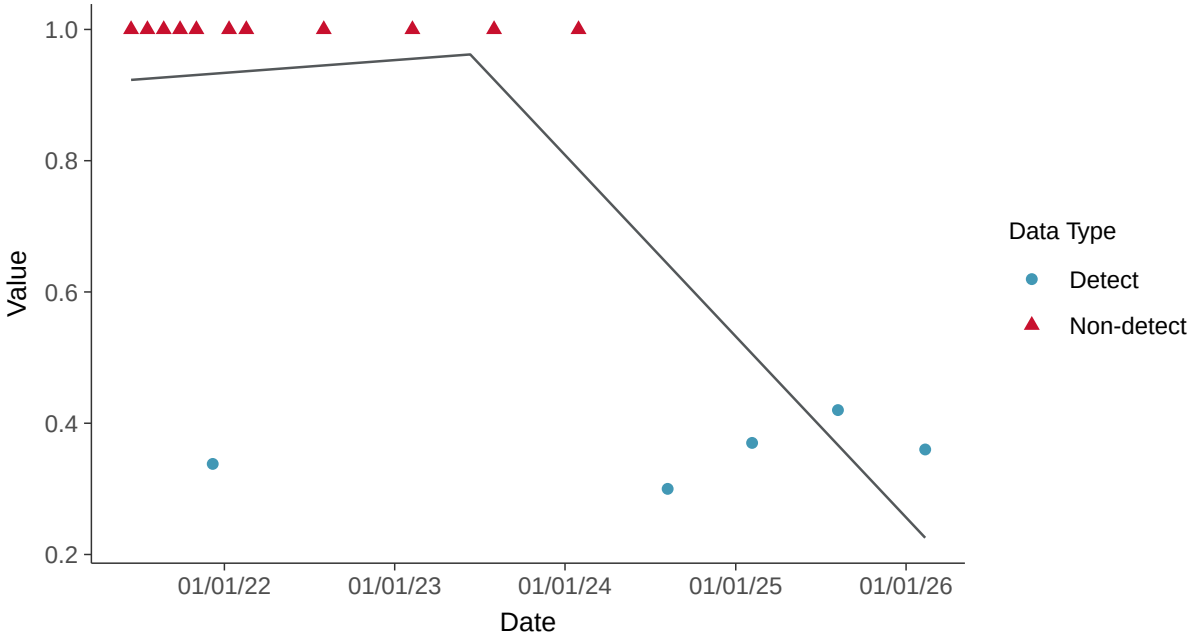
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride, MW-7 (mg/l)



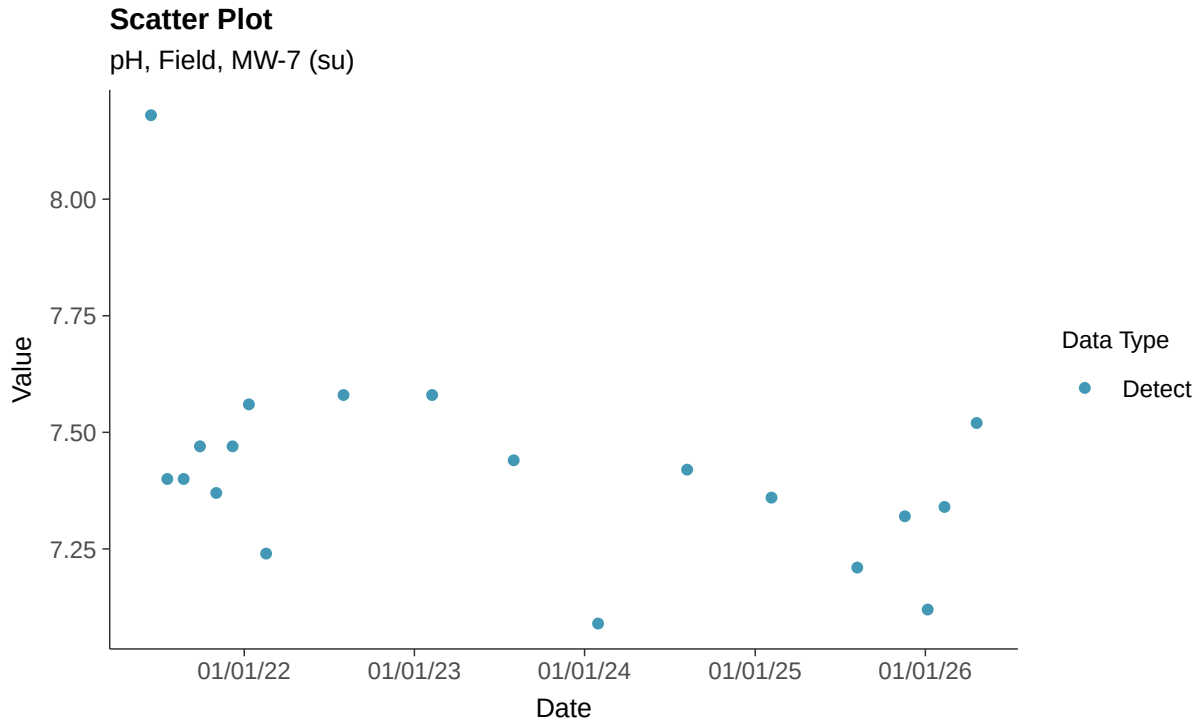
Trend Regression: Piecewise Linear-Linear

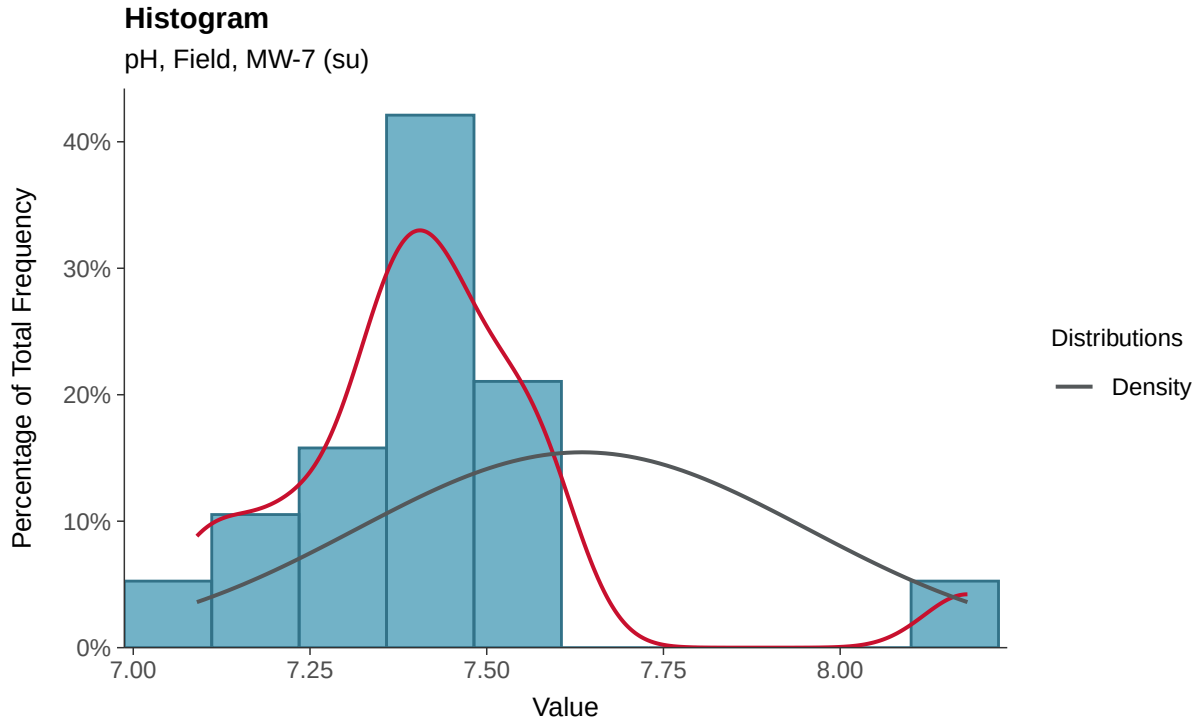
Fluoride, MW-7 (mg/l)



Appendix III: pH, Field, MW-7

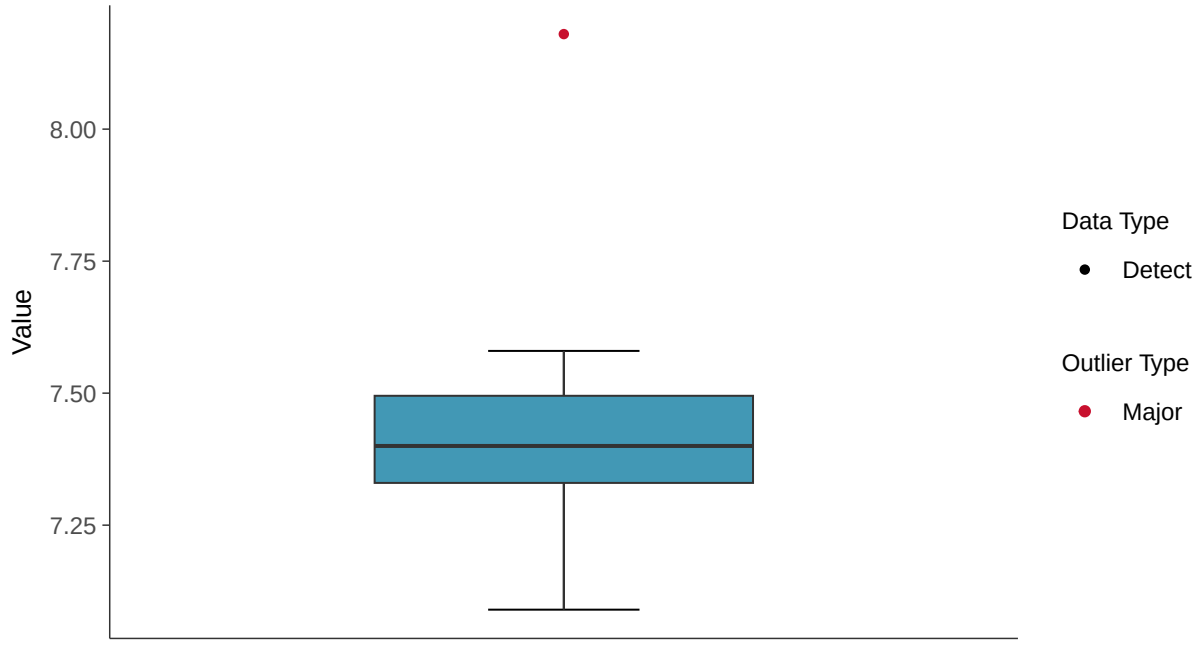
ID: 15_2_120





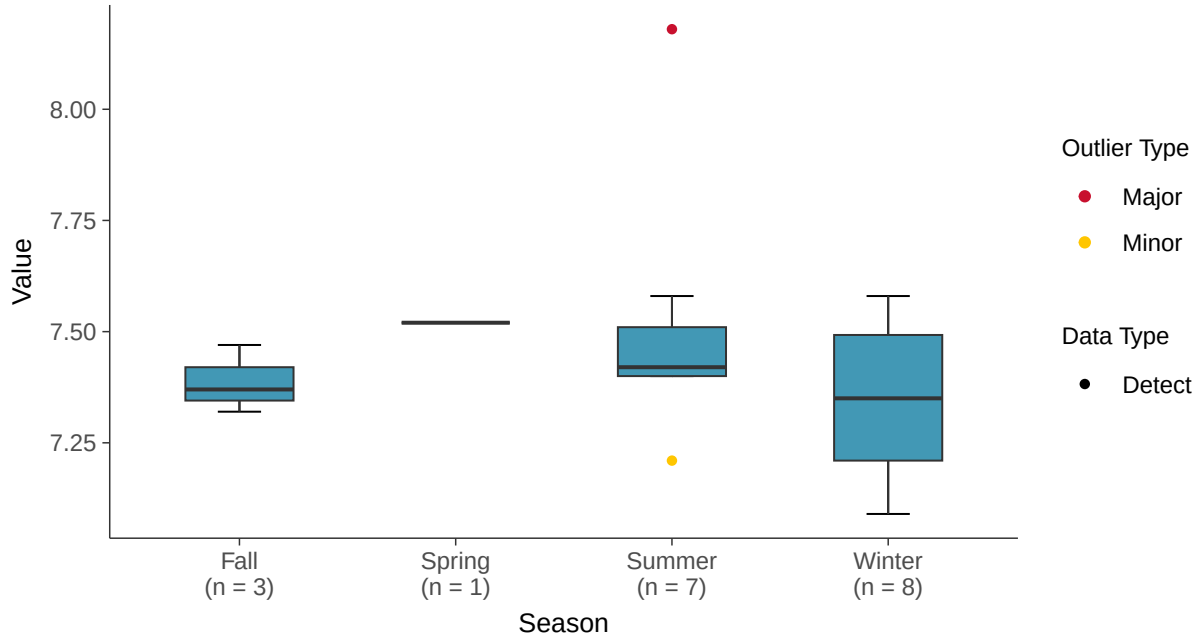
Boxplot

pH, Field, MW-7 (su)



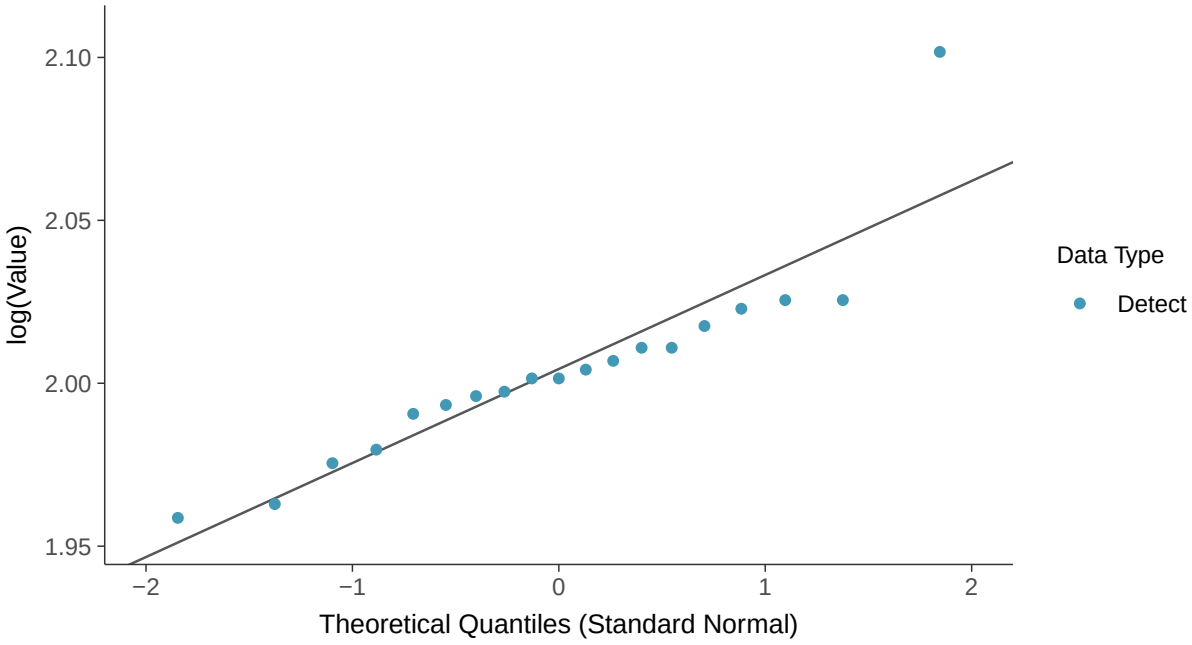
Boxplot by Season

pH, Field, MW-7 (su)



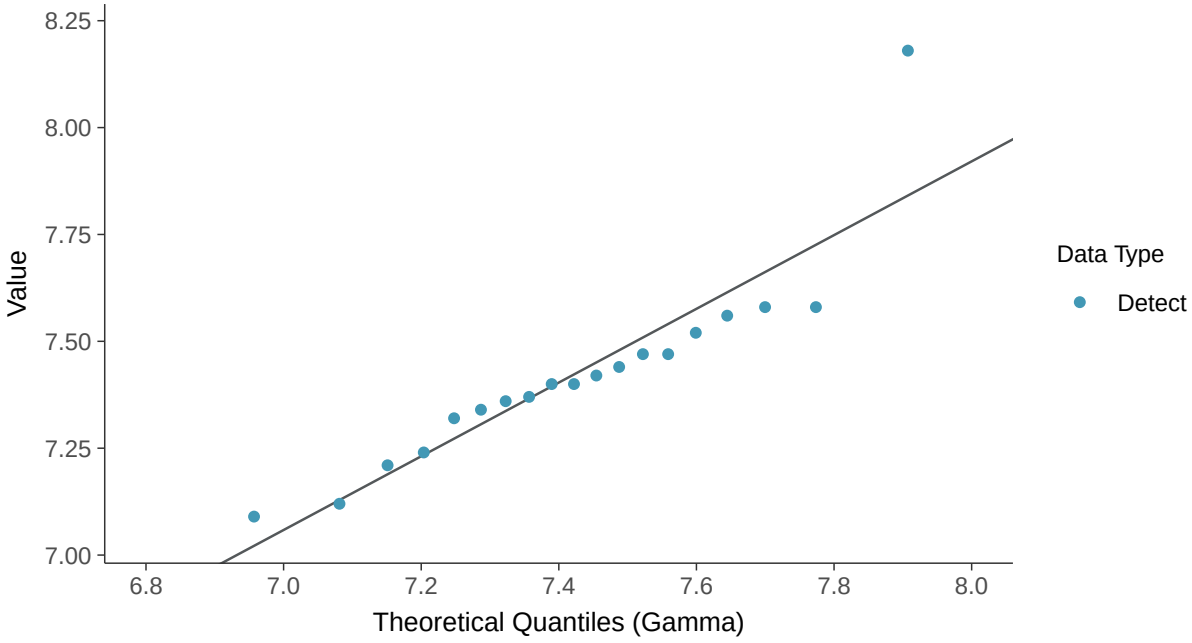
Lognormal Q-Q plot

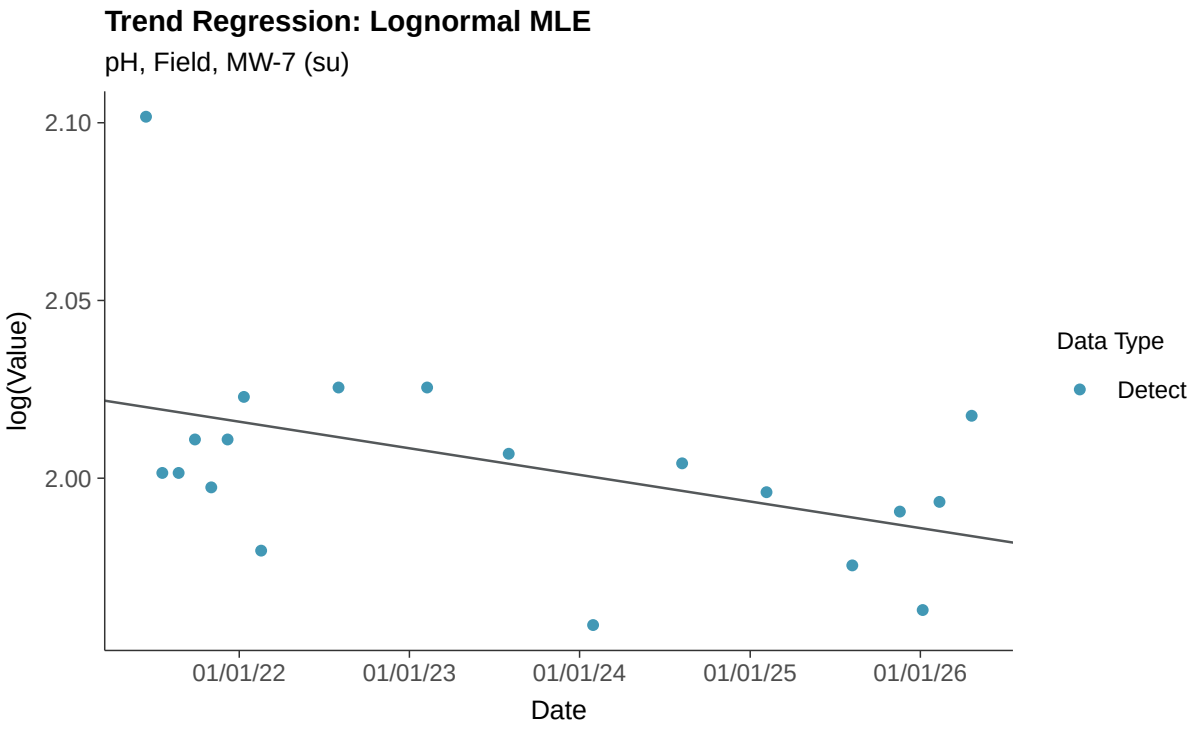
pH, Field, MW-7 (su)



Gamma Q-Q plot

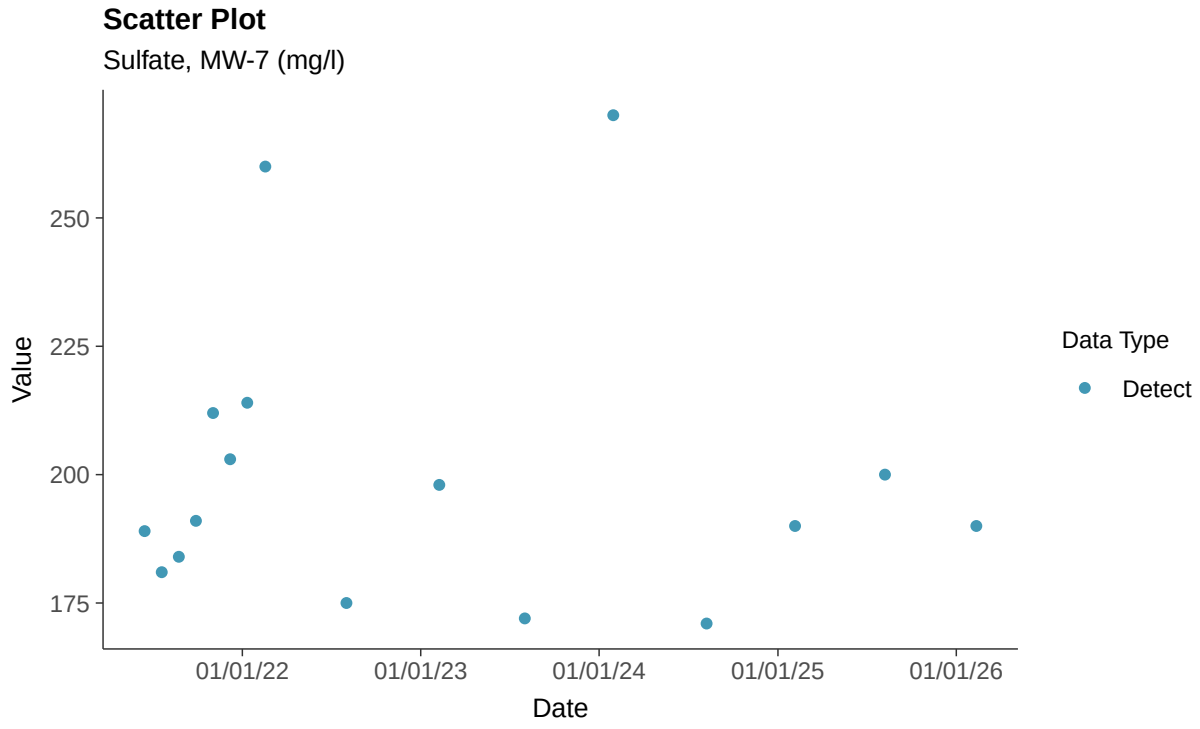
pH, Field, MW-7 (su)

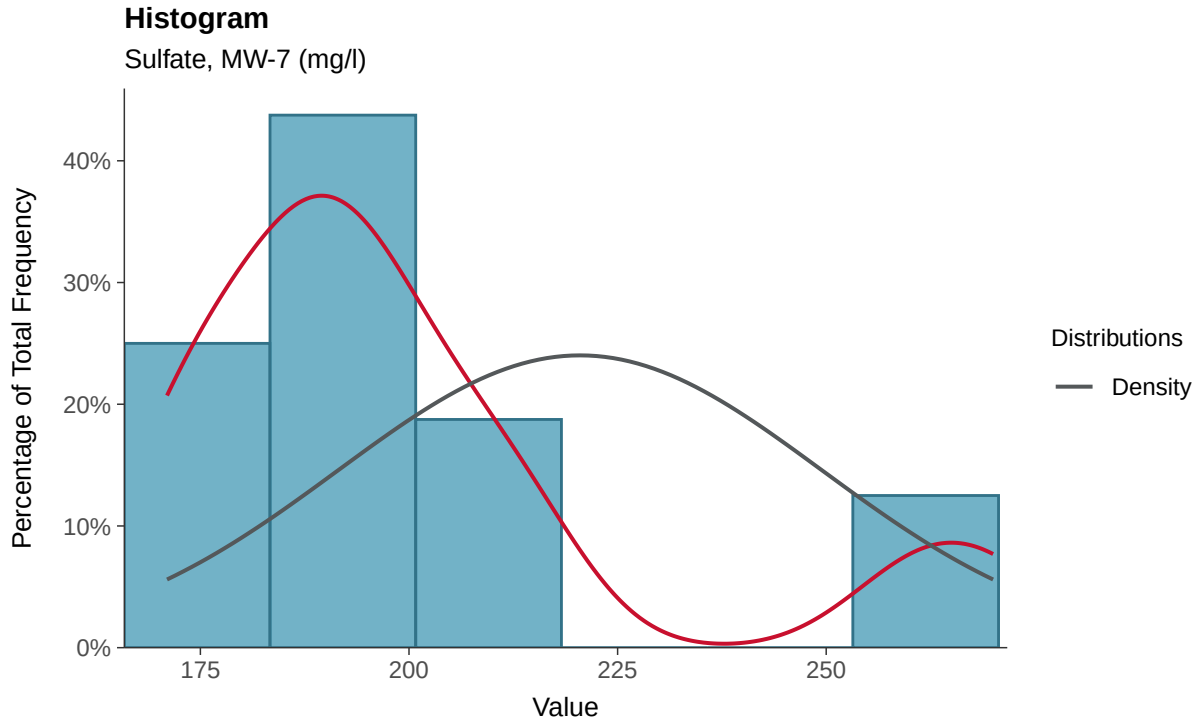



Trend Regression: Lognormal MLE
pH, Field, MW-7 (su)
2.10
2.05
2.00
log(Value)
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Sulfate, MW-7

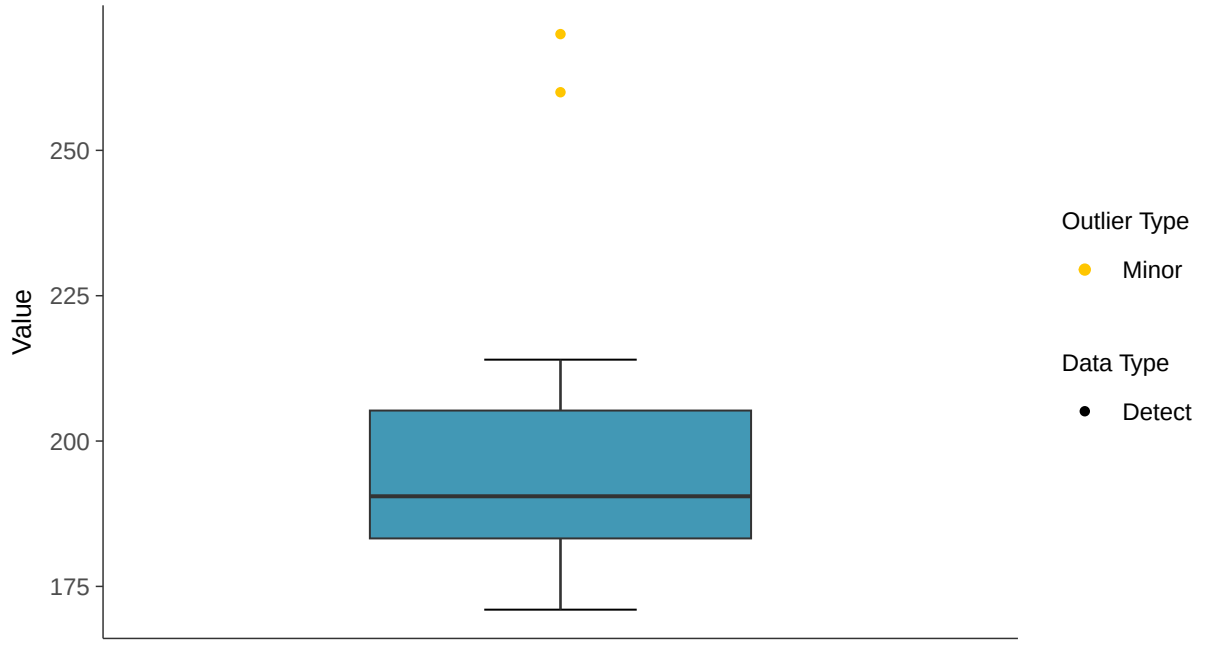
ID: 15_2_124





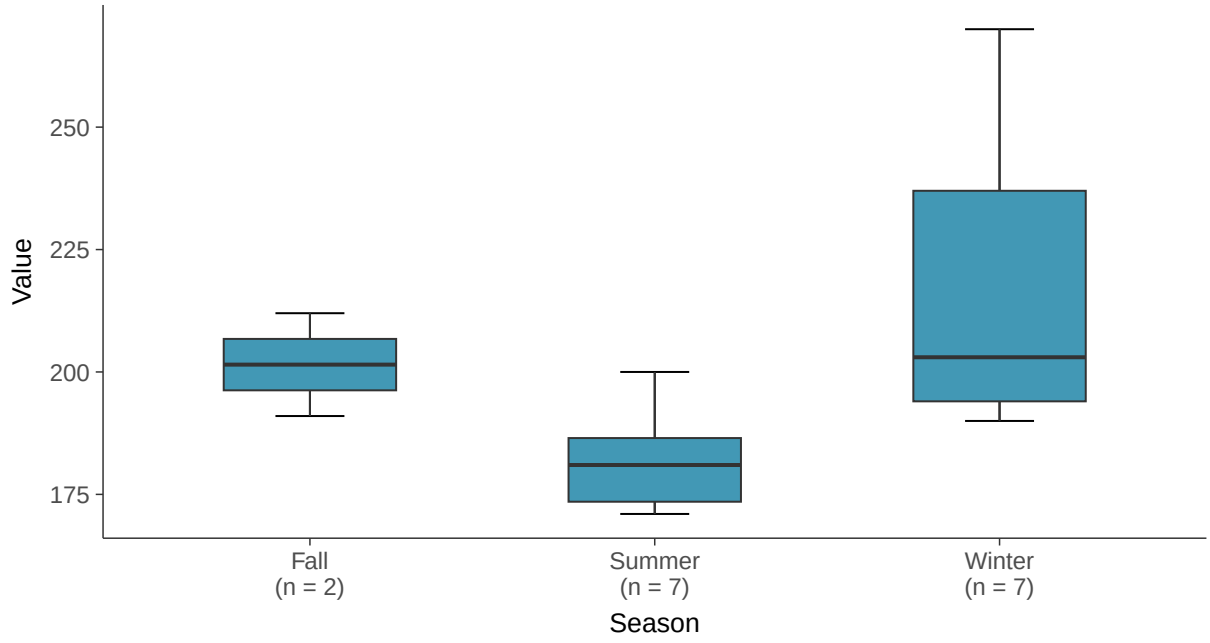
Boxplot

Sulfate, MW-7 (mg/l)



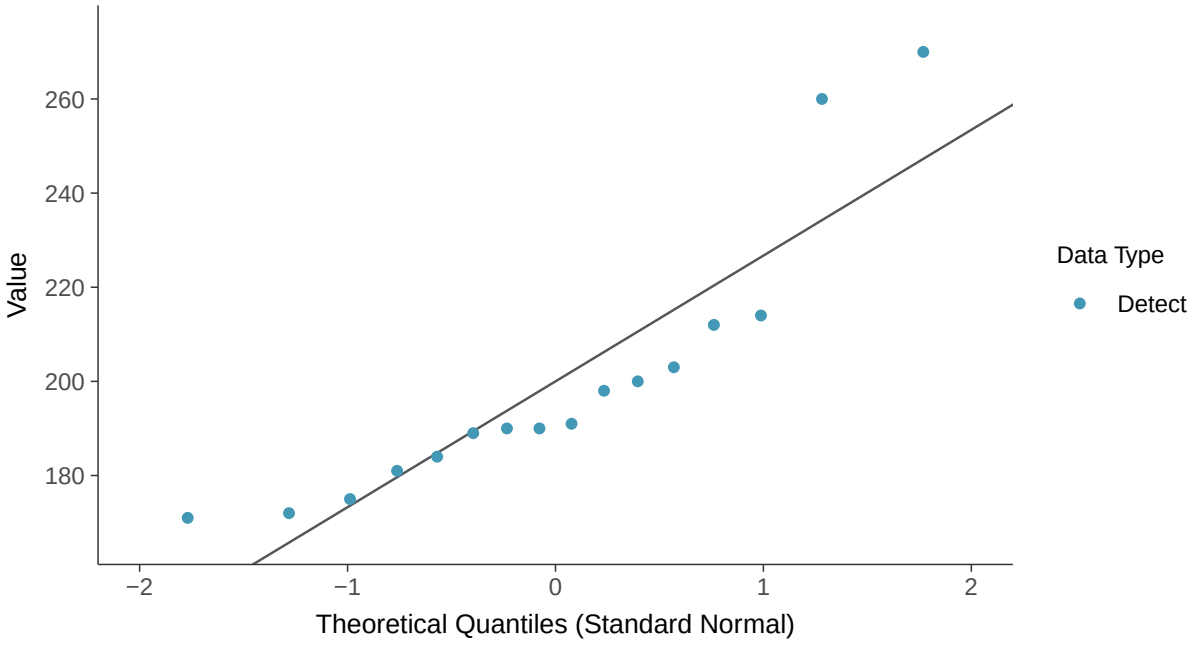
Boxplot by Season

Sulfate, MW-7 (mg/l)



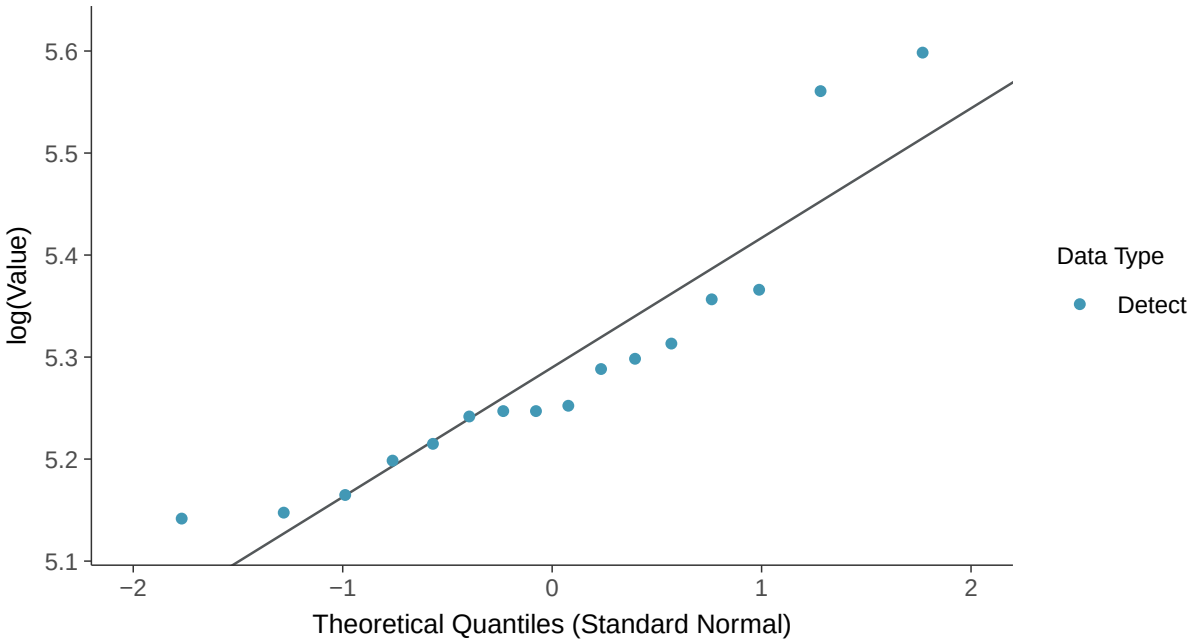
Normal Q-Q plot

Sulfate, MW-7 (mg/l)



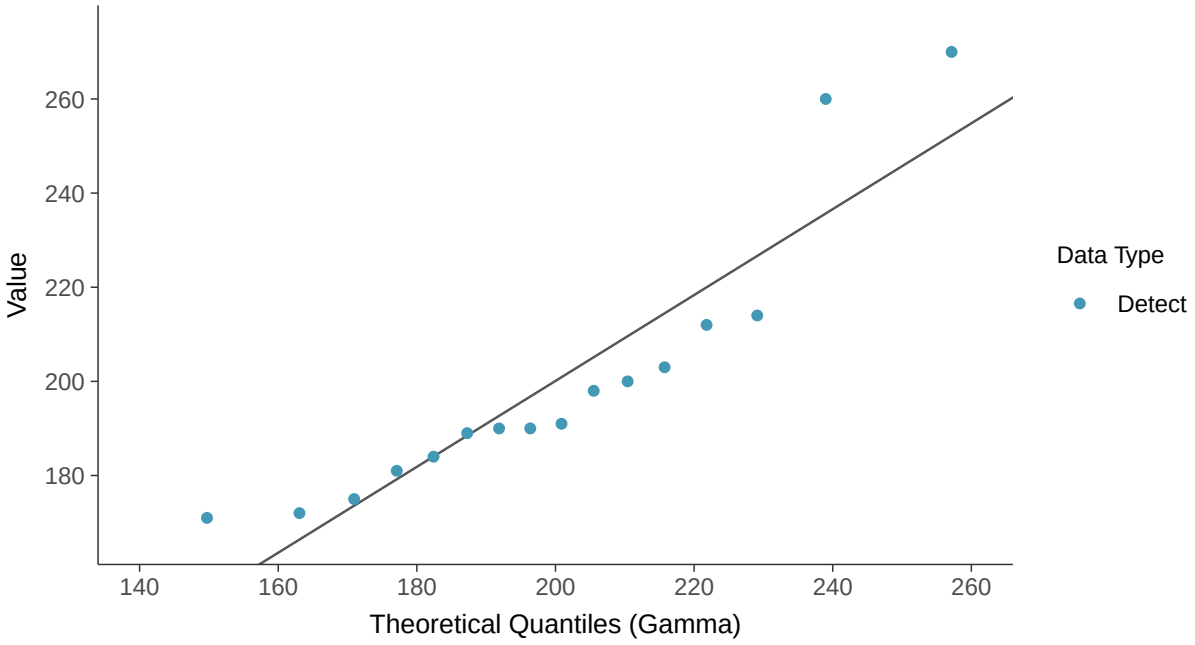
Lognormal Q-Q plot

Sulfate, MW-7 (mg/l)



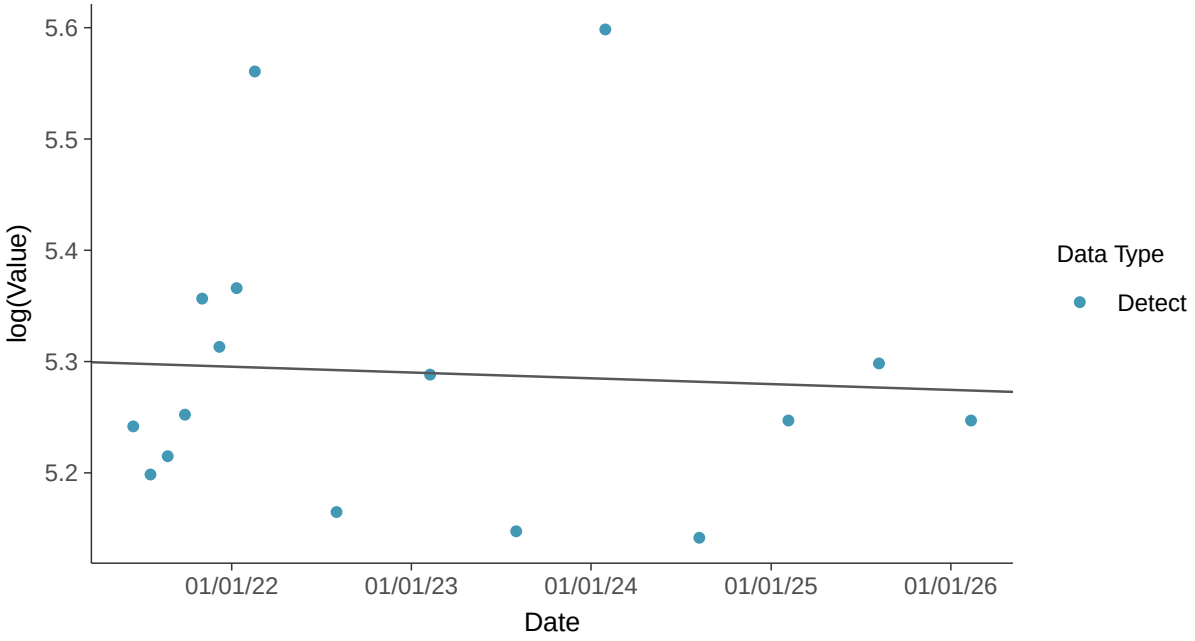
Gamma Q-Q plot

Sulfate, MW-7 (mg/l)



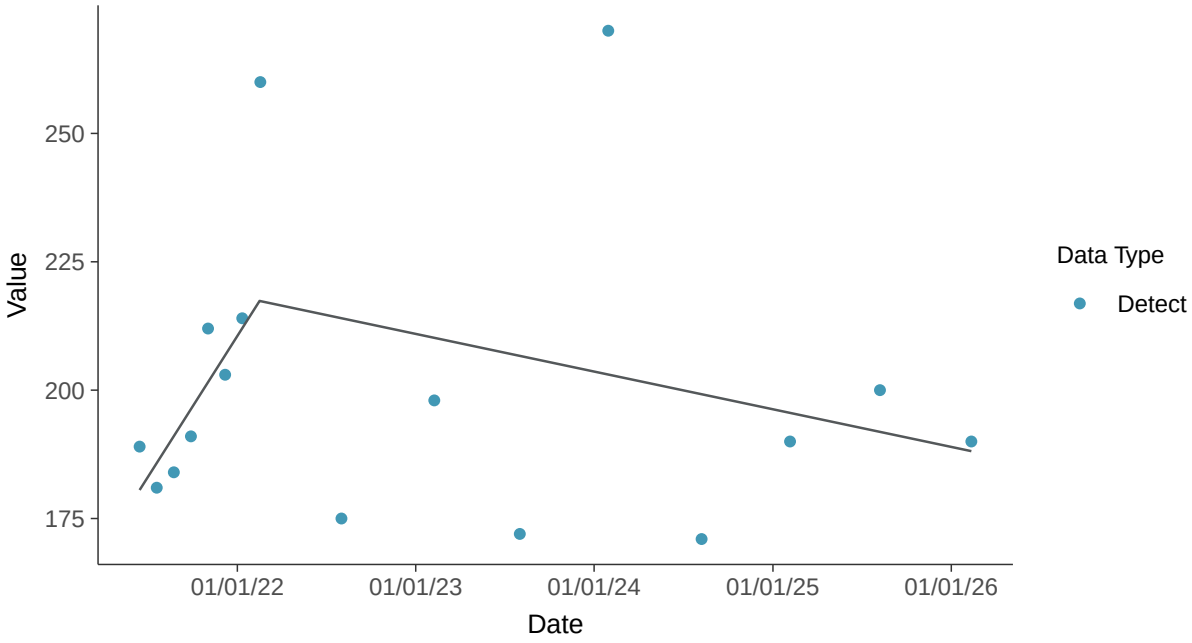
Trend Regression: Lognormal MLE

Sulfate, MW-7 (mg/l)



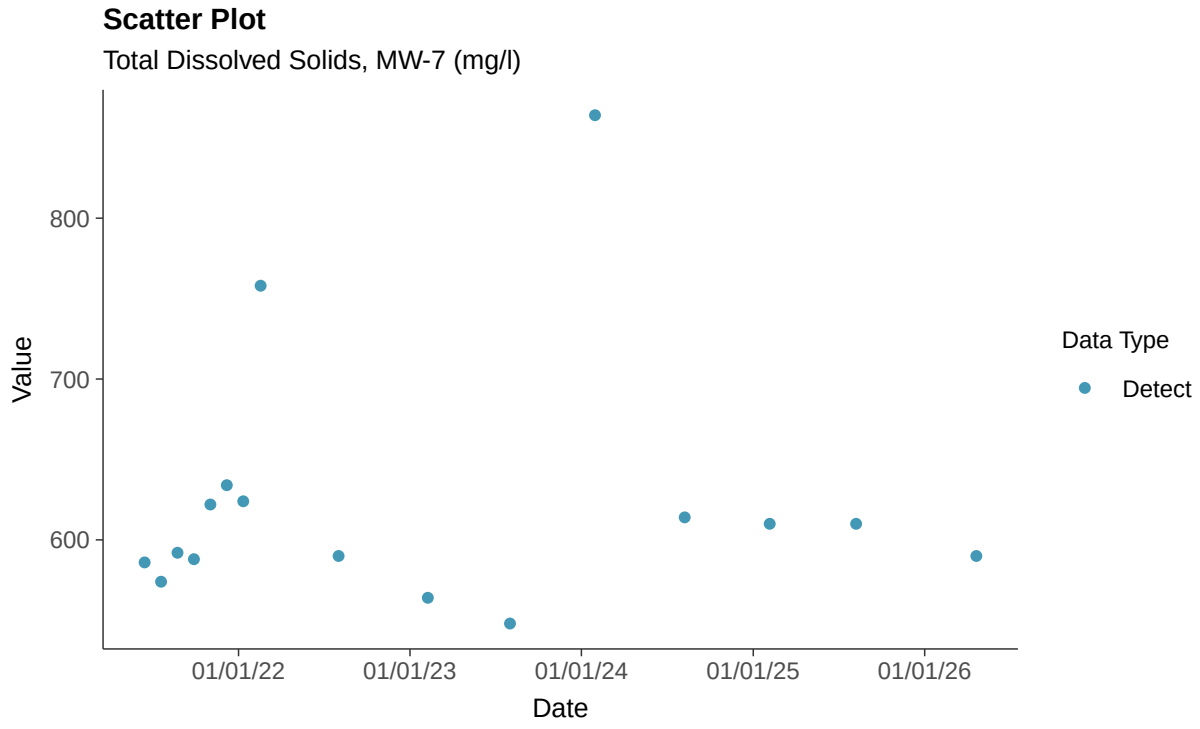
Trend Regression: Piecewise Linear-Linear

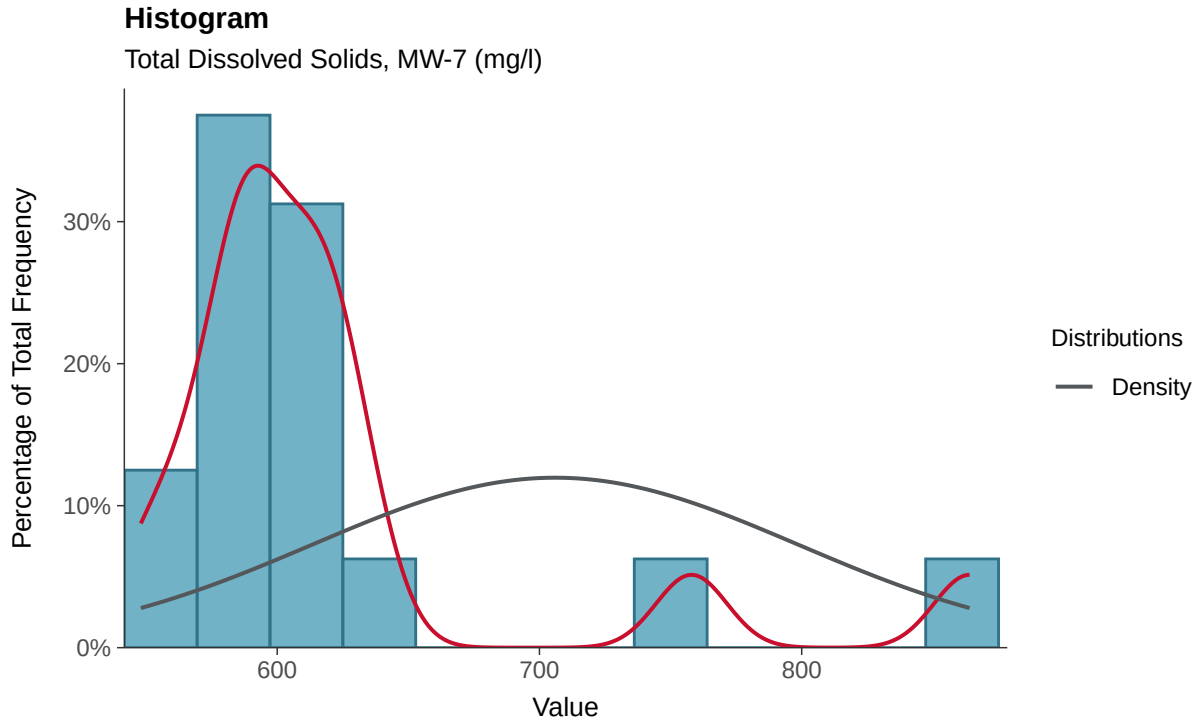
Sulfate, MW-7 (mg/l)



Appendix III: Total Dissolved Solids, MW-7

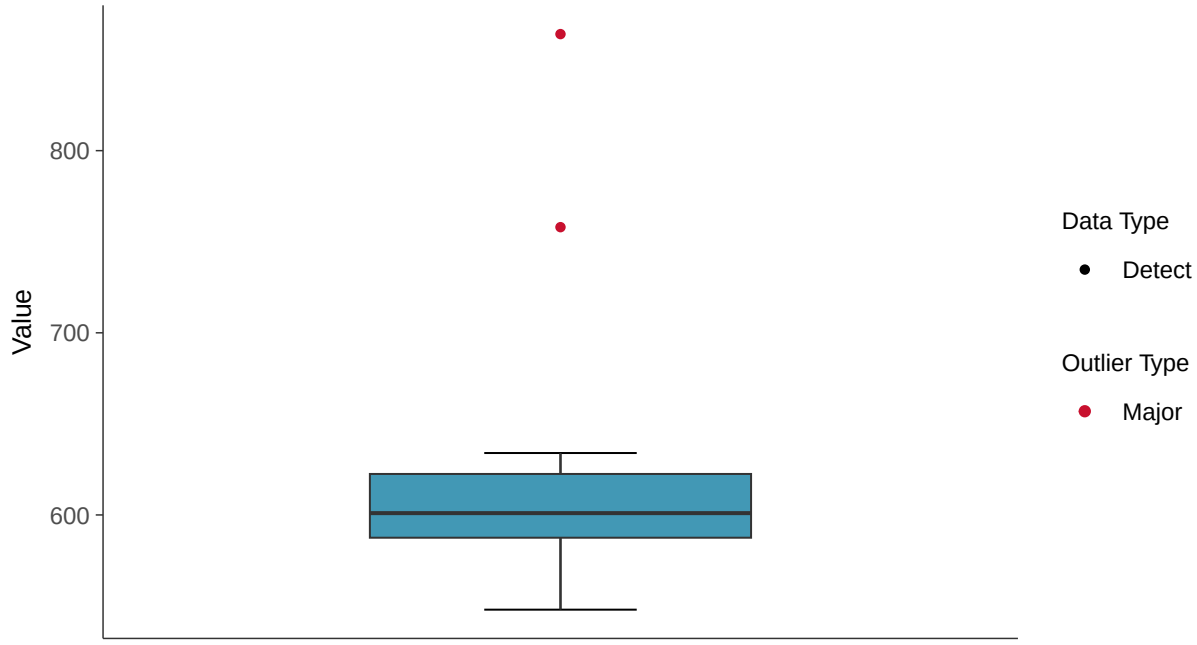
ID: 15_2_126





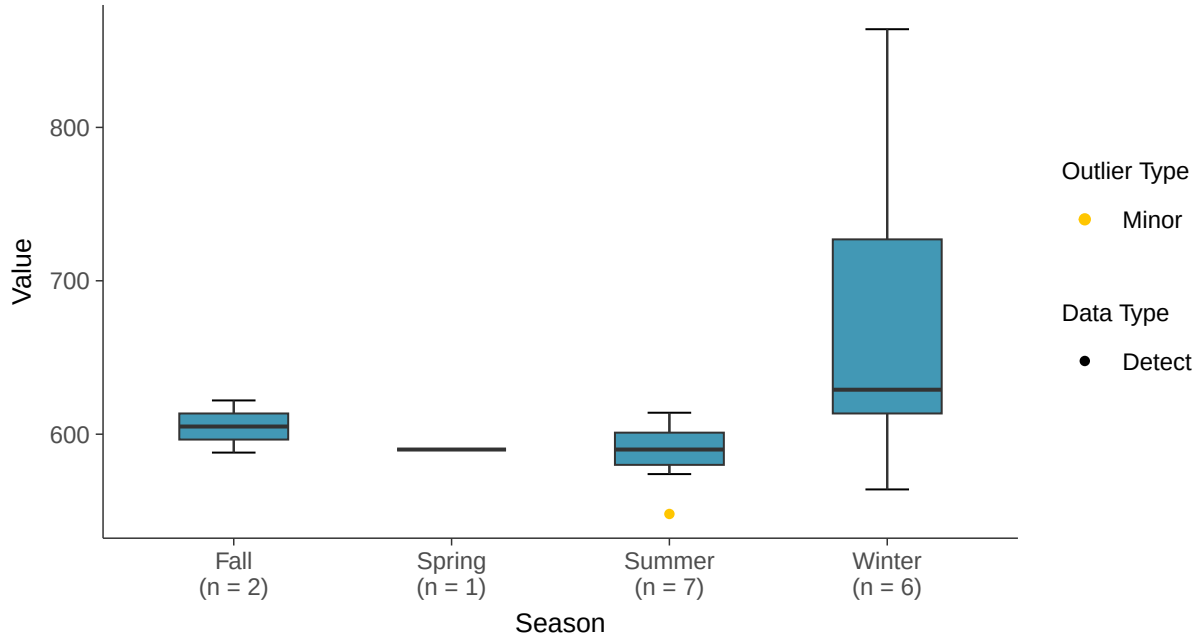
Boxplot

Total Dissolved Solids, MW-7 (mg/l)



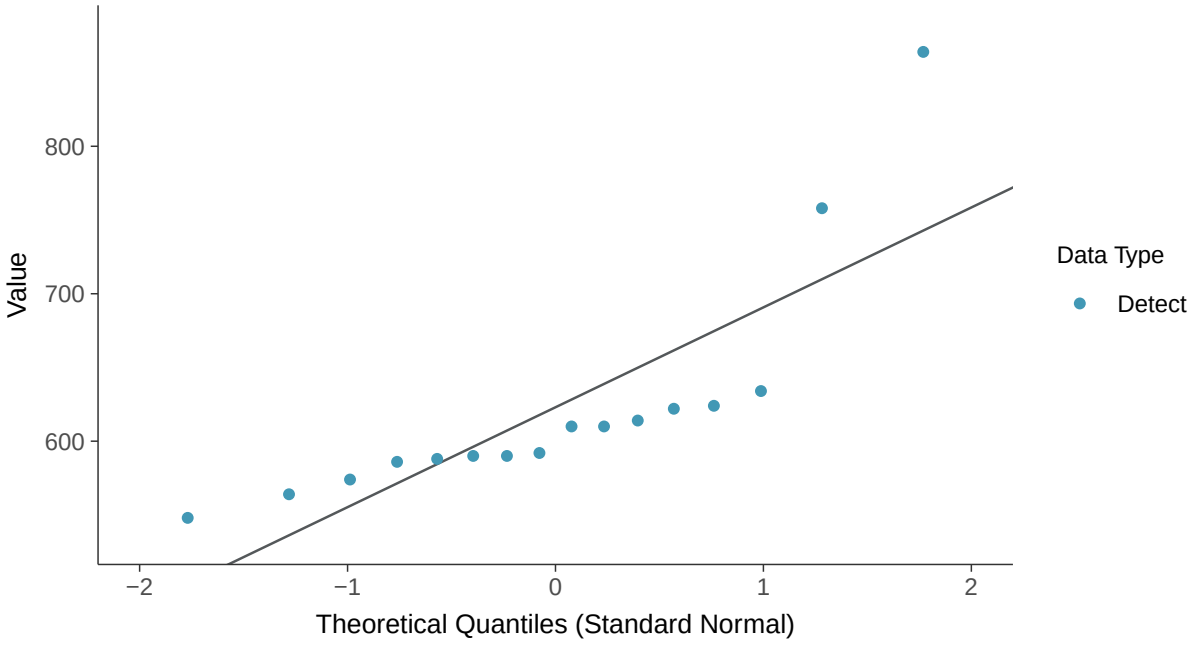
Boxplot by Season

Total Dissolved Solids, MW-7 (mg/l)



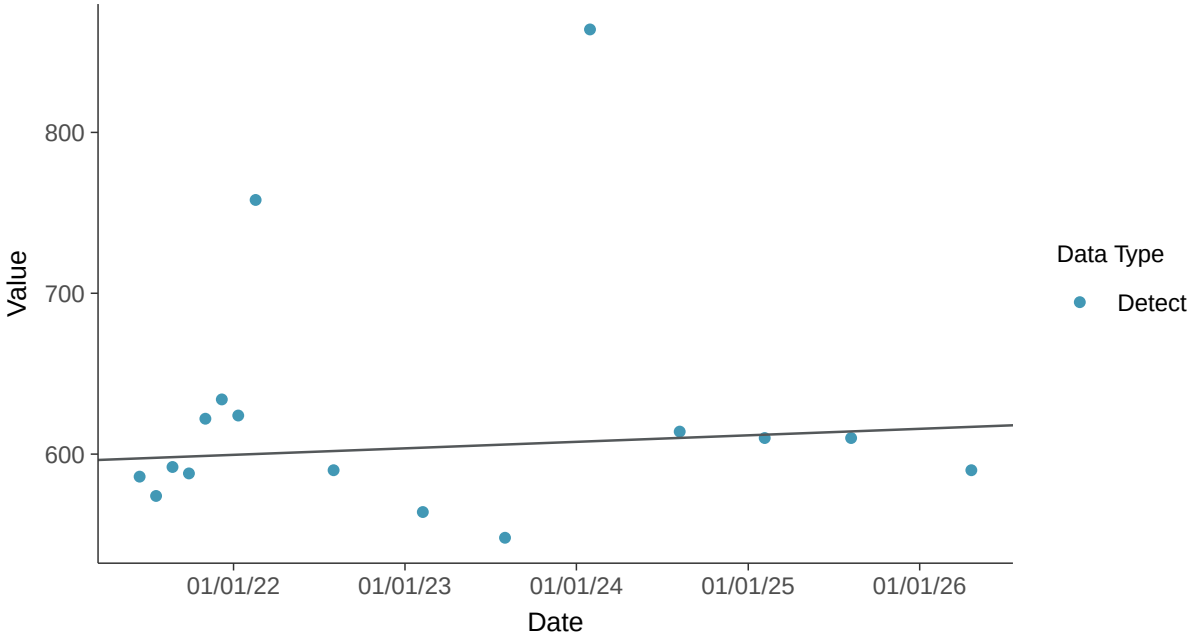
Normal Q-Q plot

Total Dissolved Solids, MW-7 (mg/l)



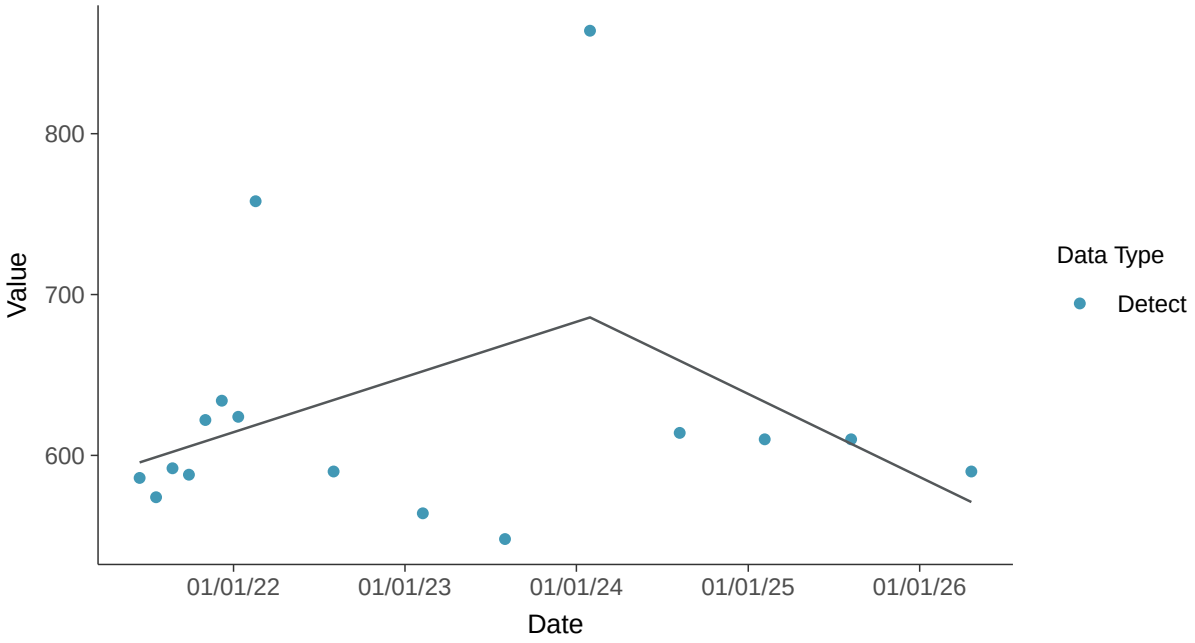
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Total Dissolved Solids, MW-7 (mg/l)



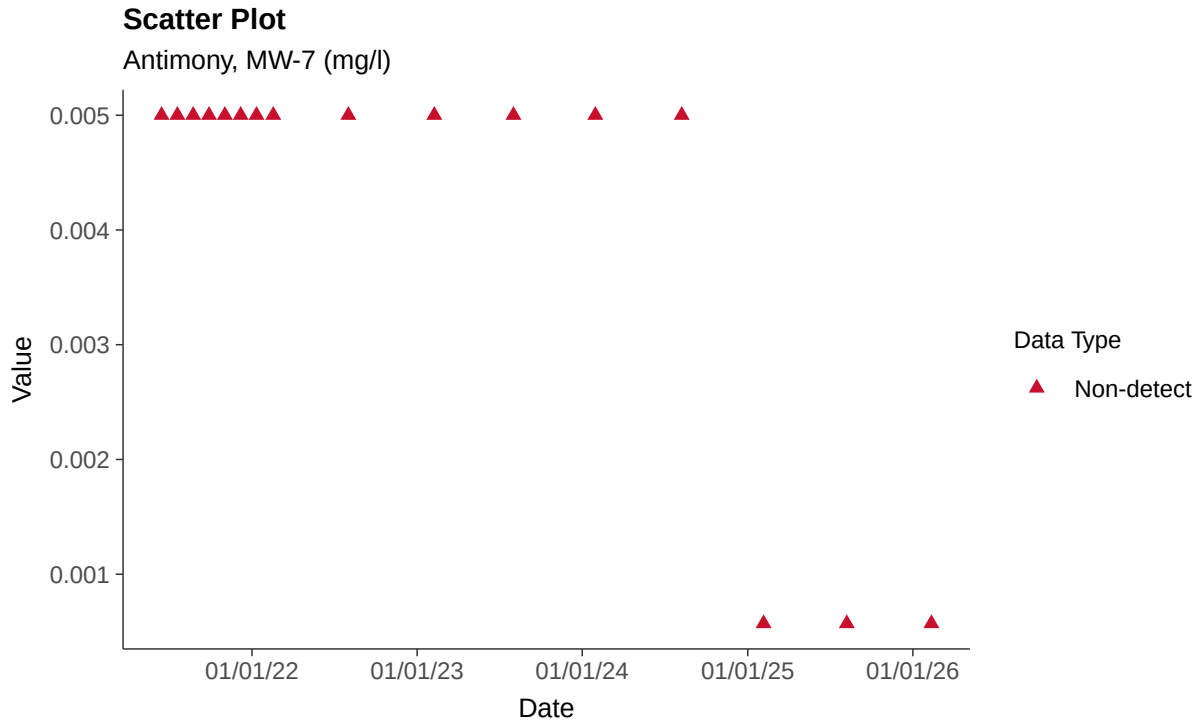
Trend Regression: Piecewise Linear-Linear

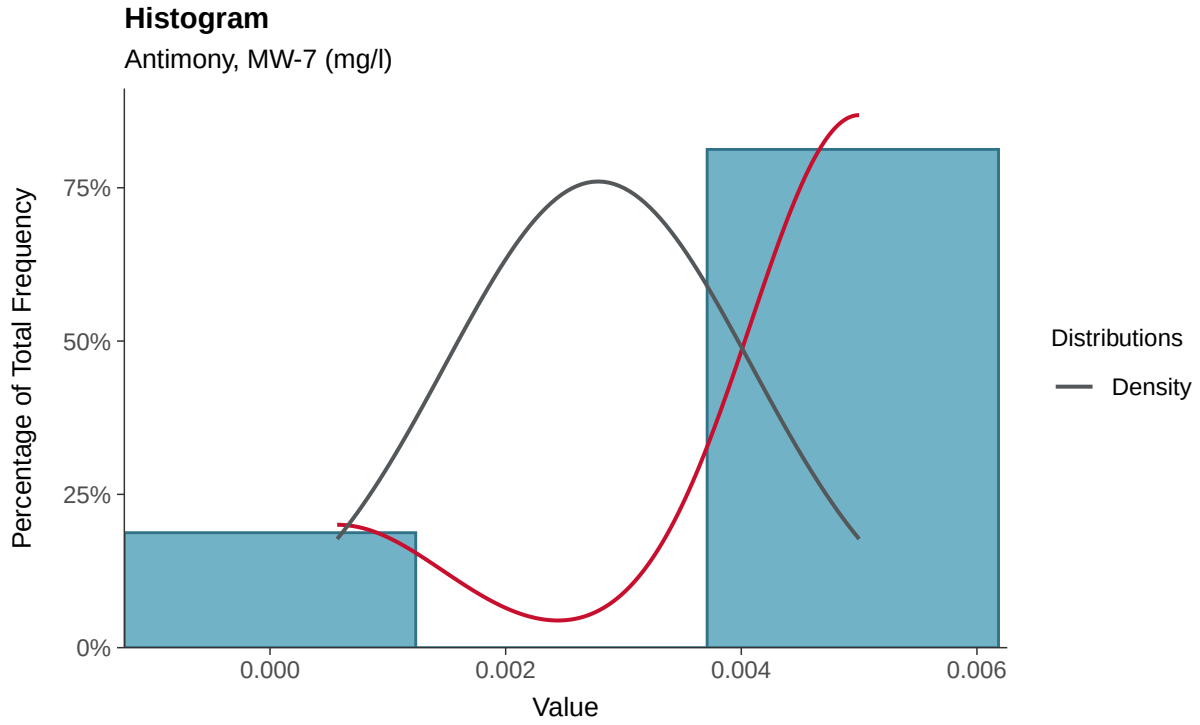
Total Dissolved Solids, MW-7 (mg/l)



Appendix IV: Antimony, MW-7

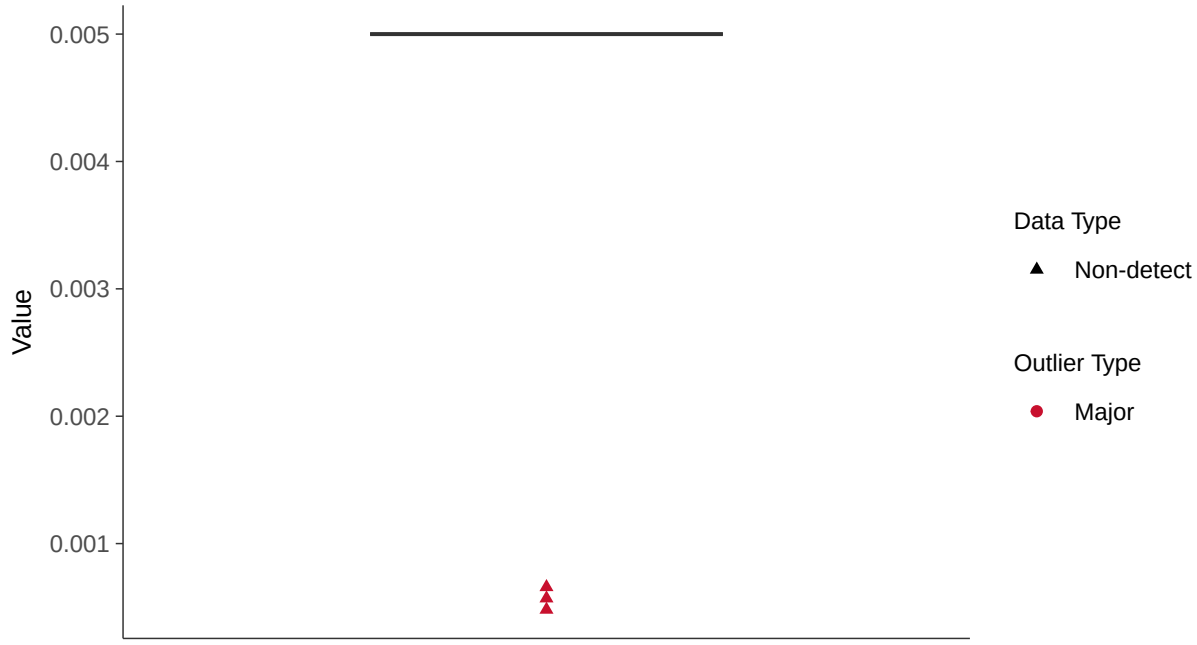
ID: 15_3_101





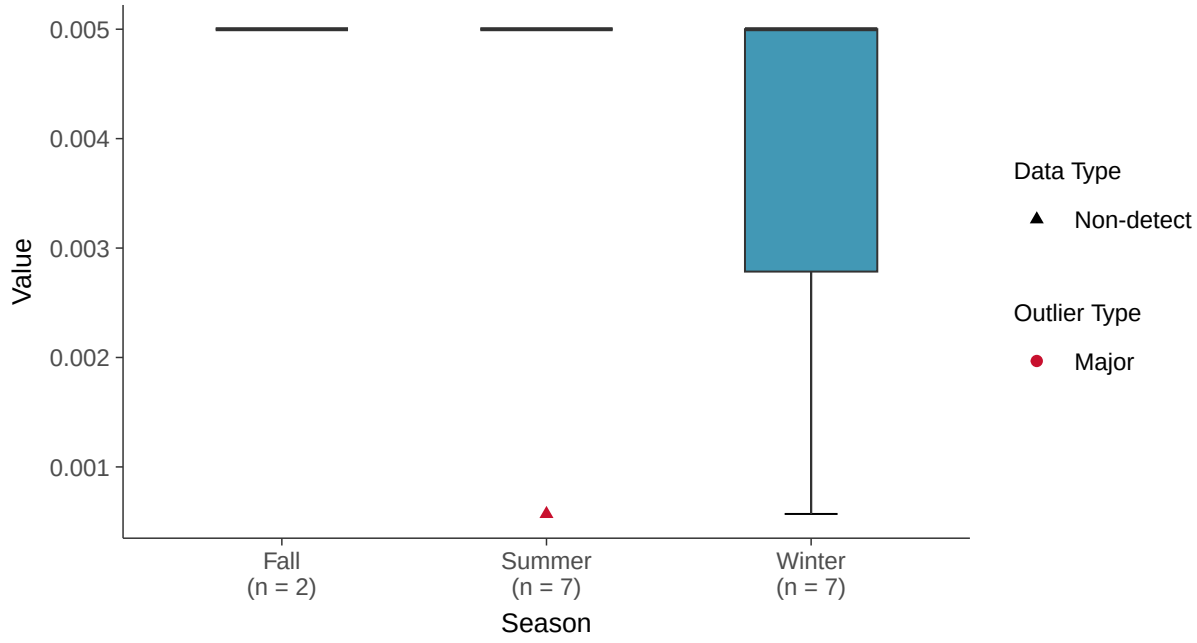
Boxplot

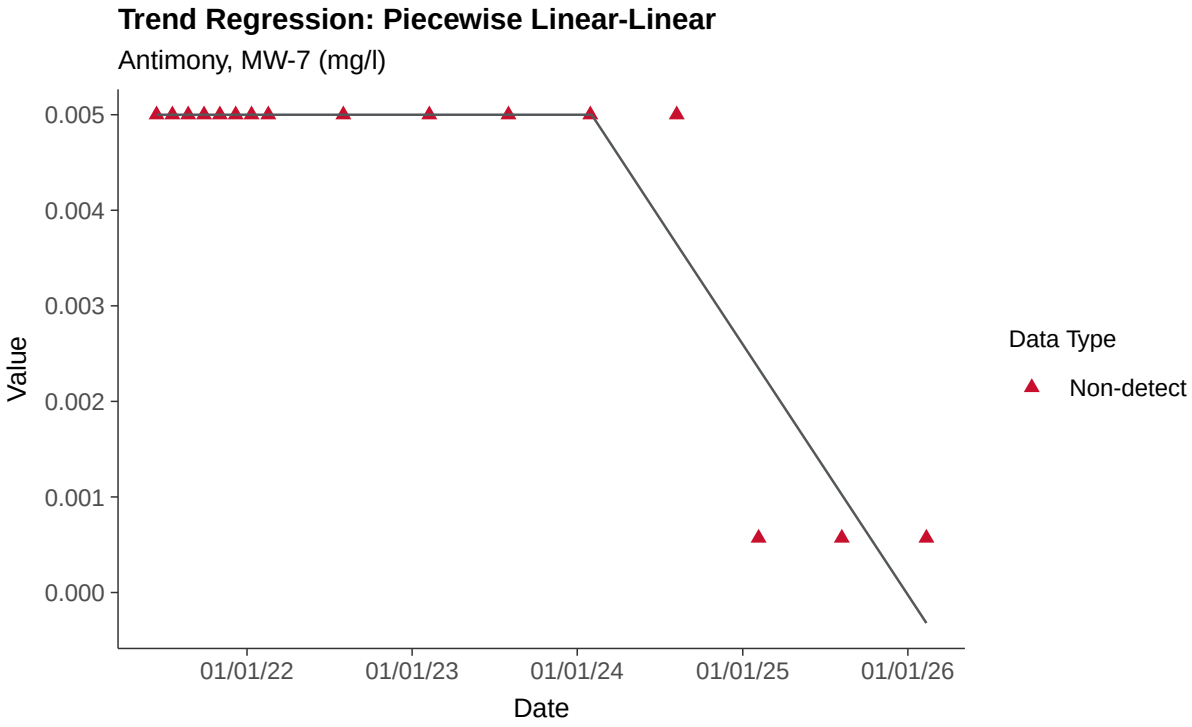
Antimony, MW-7 (mg/l)



Boxplot by Season

Antimony, MW-7 (mg/l)



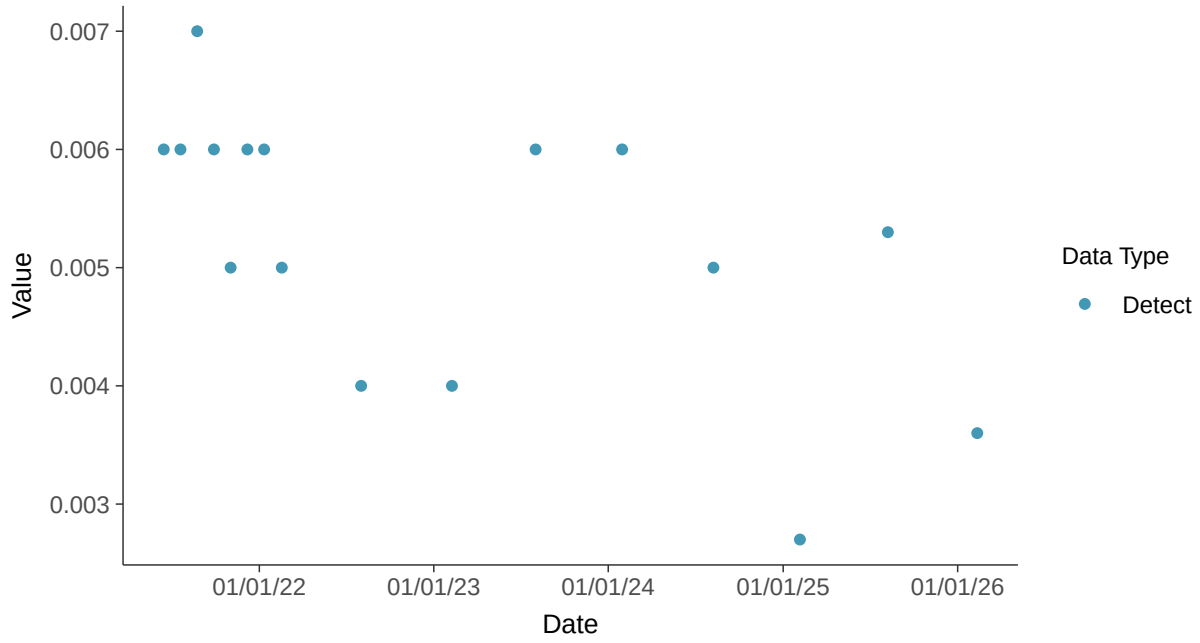

Trend Regression: Piecewise Linear-Linear
Antimony, MW-7 (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-7

ID: 15_3_102

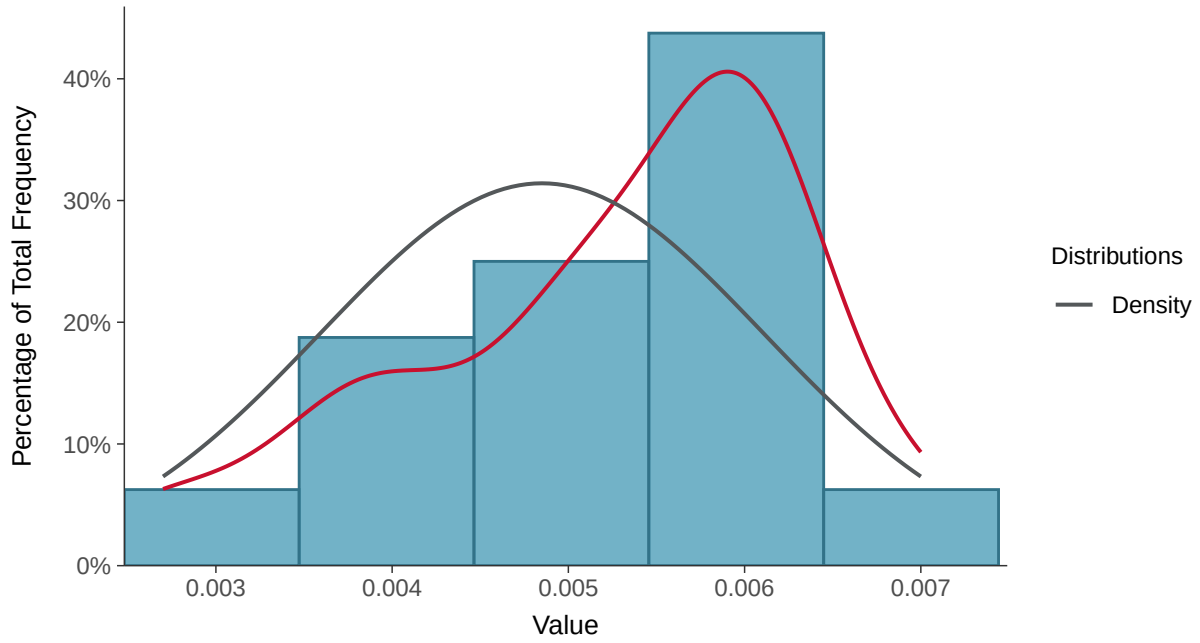
Scatter Plot

Arsenic, MW-7 (mg/l)



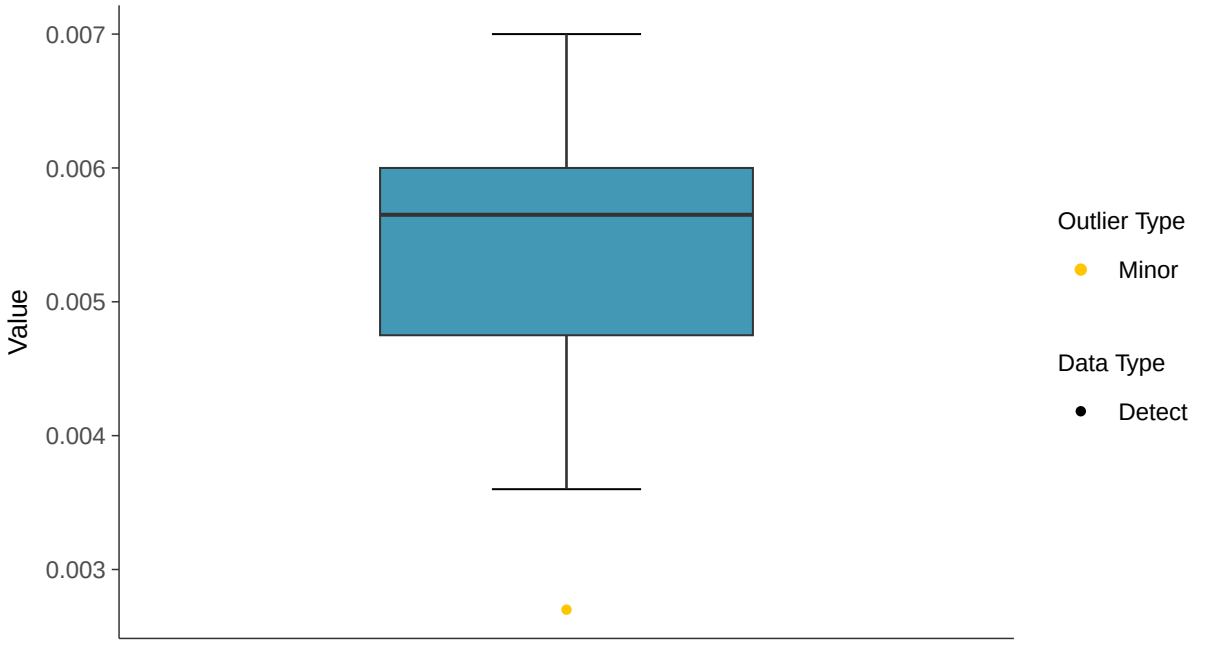
Histogram

Arsenic, MW-7 (mg/l)



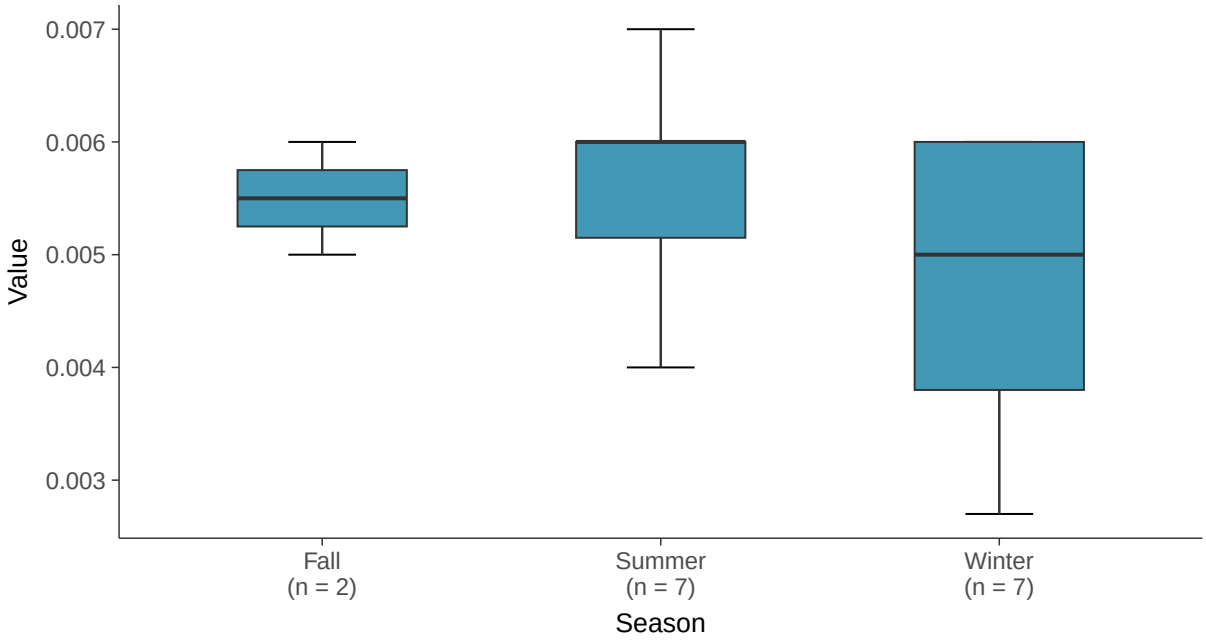
Boxplot

Arsenic, MW-7 (mg/l)



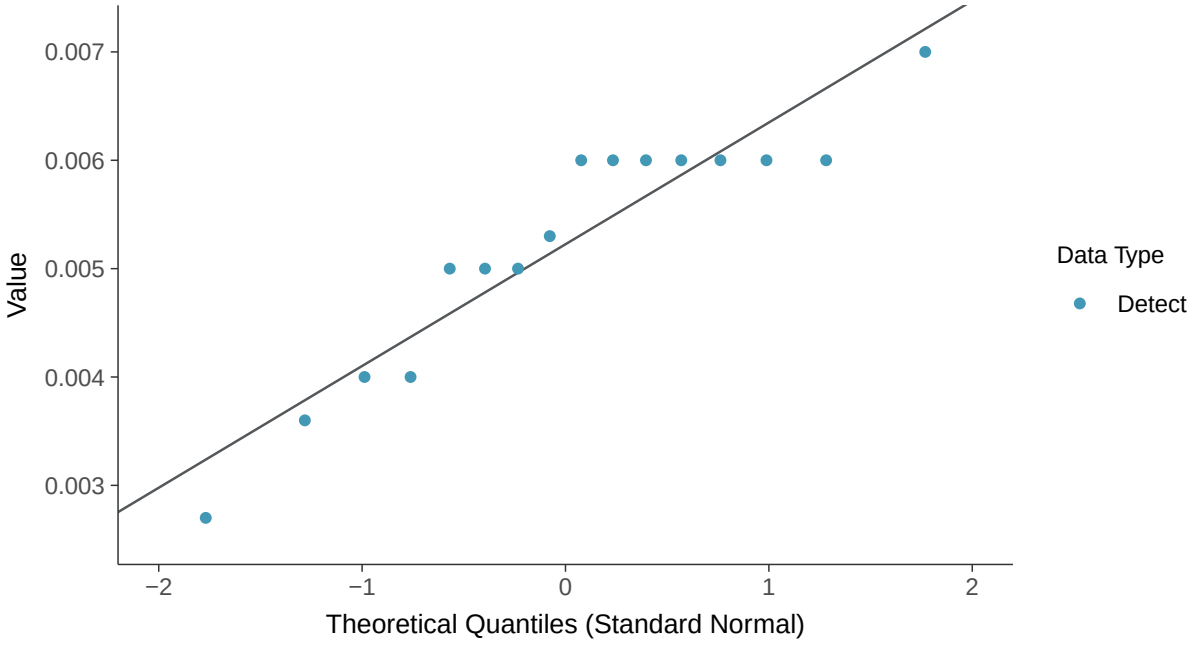
Boxplot by Season

Arsenic, MW-7 (mg/l)



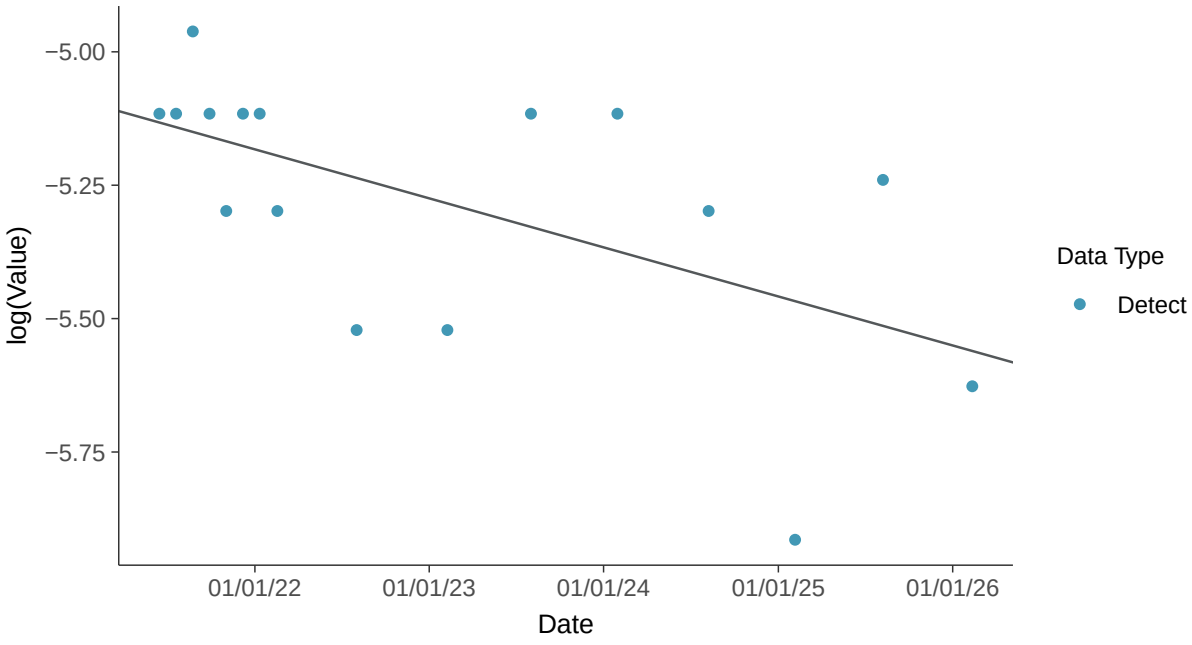
Normal Q-Q plot

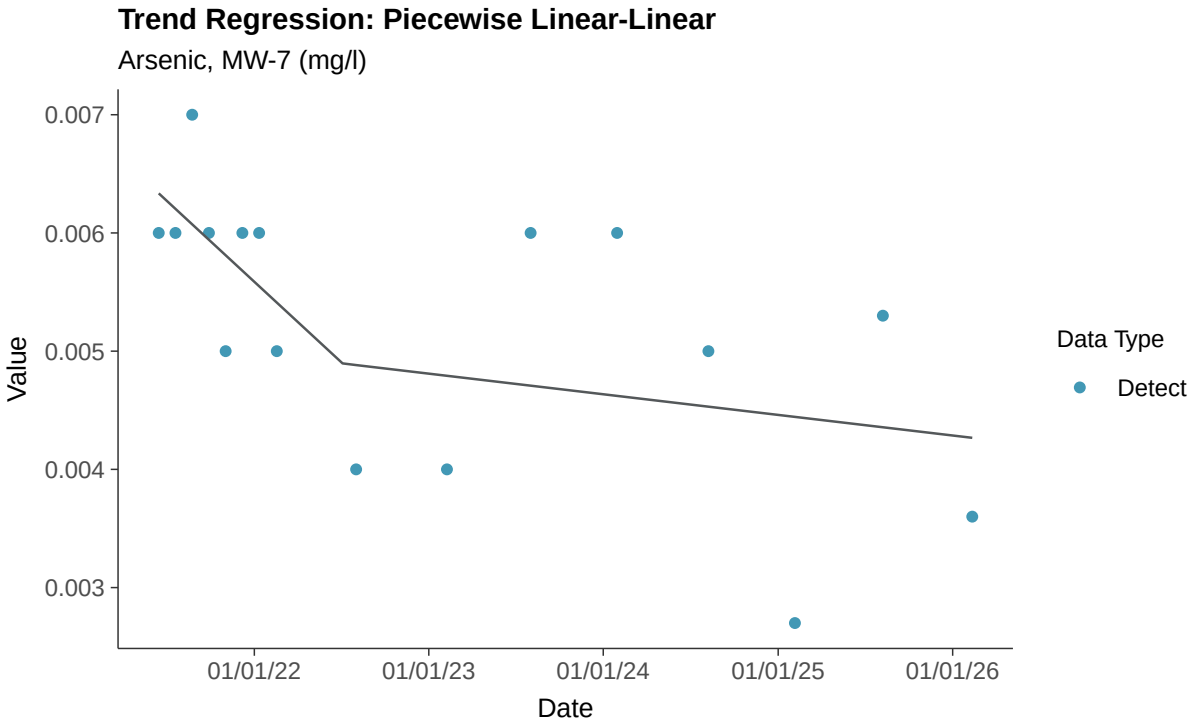
Arsenic, MW-7 (mg/l)



Trend Regression: Lognormal MLE

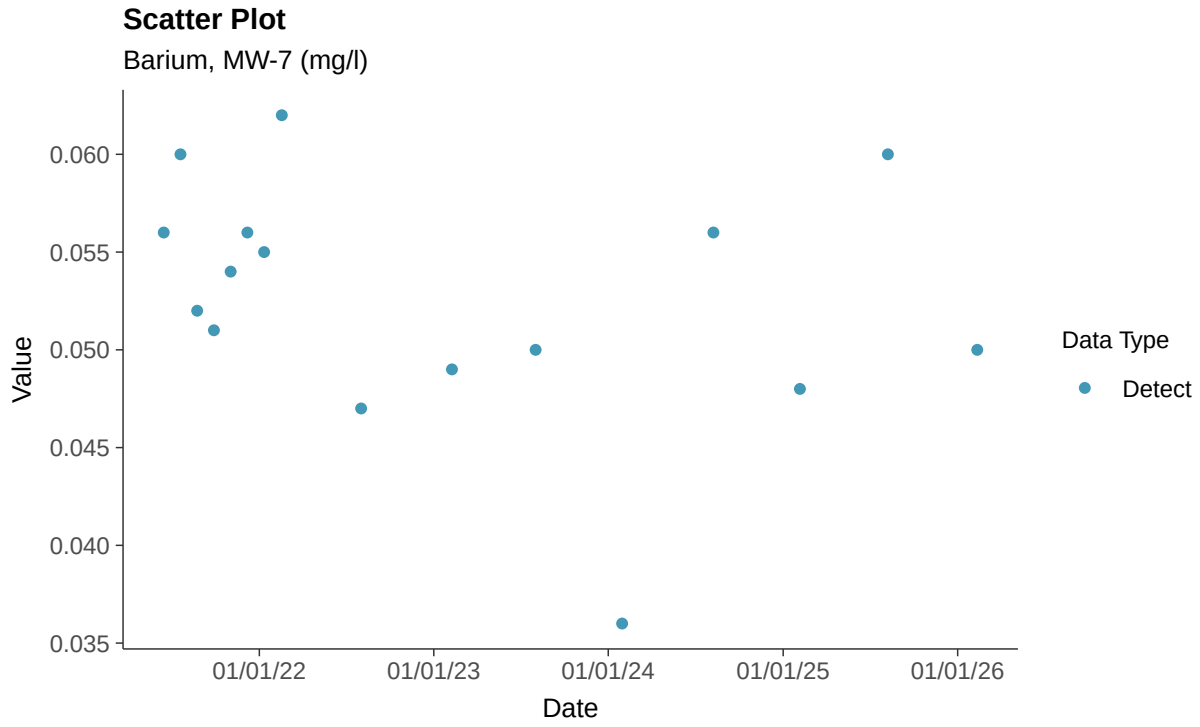
Arsenic, MW-7 (mg/l)

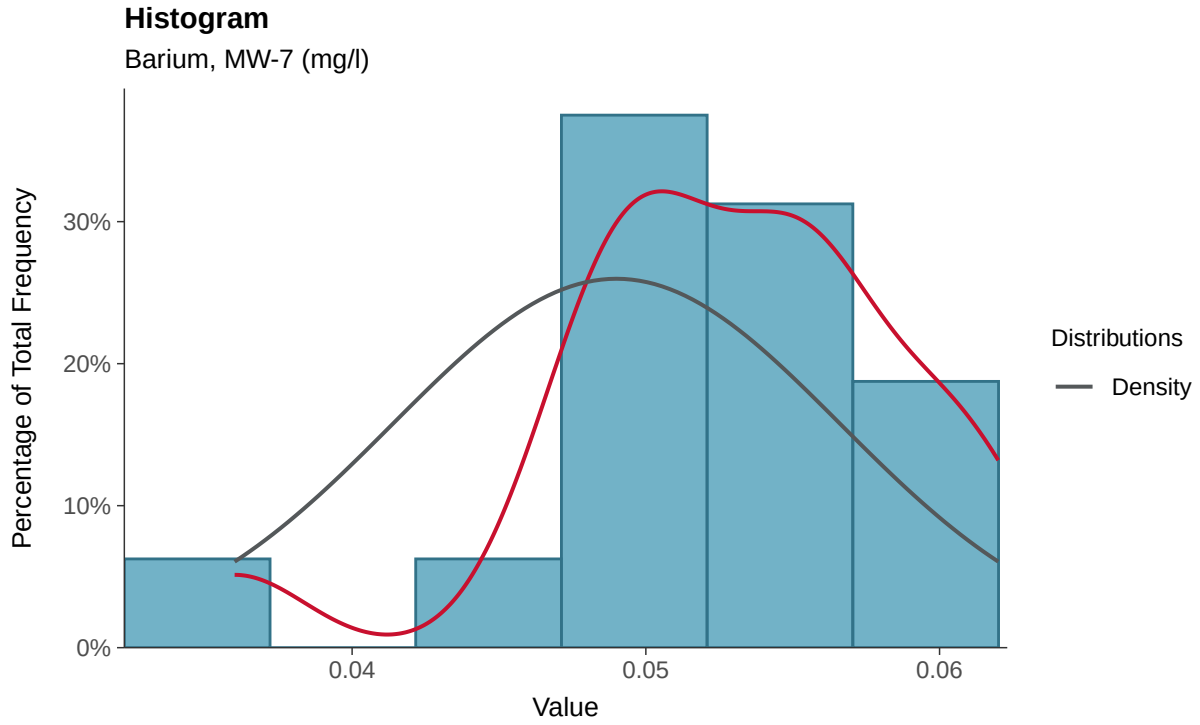



Trend Regression: Piecewise Linear-Linear
Arsenic, MW-7 (mg/l)
Value
0.007
0.006
0.005
0.004
0.003
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Barium, MW-7

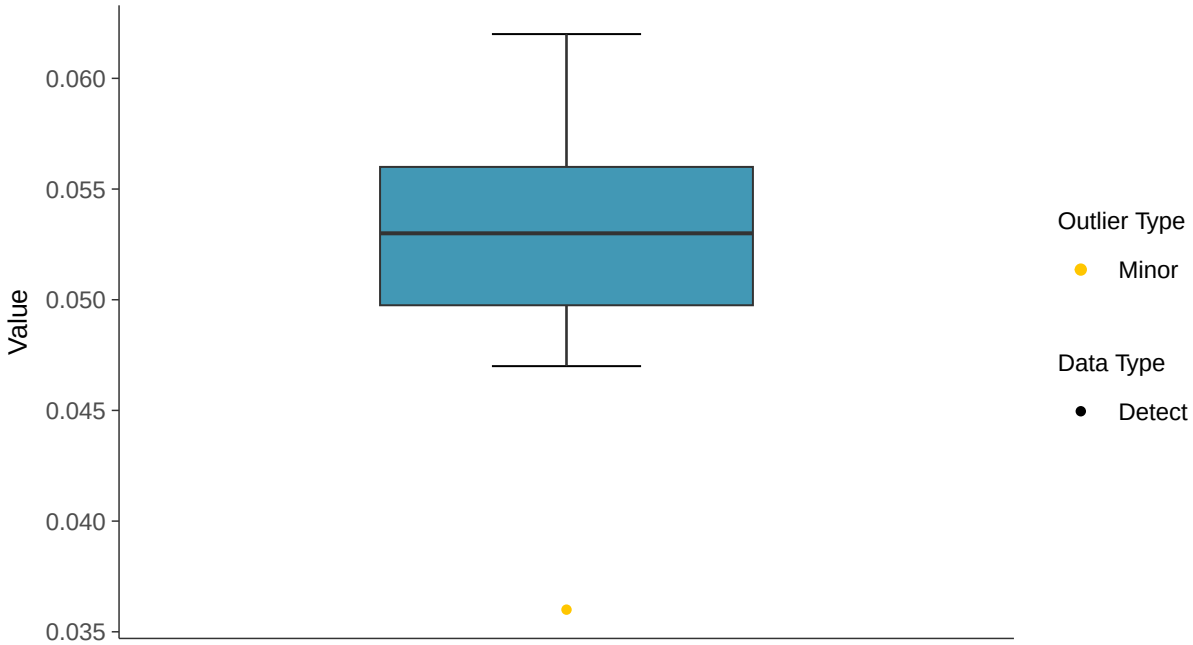
ID: 15_3_103





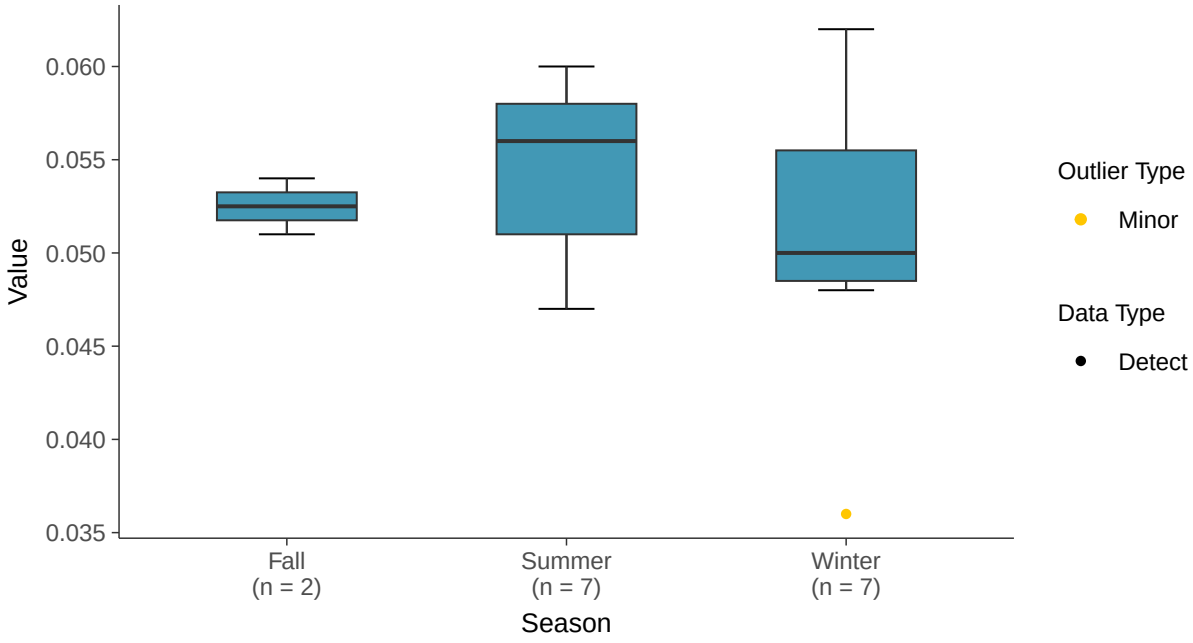
Boxplot

Barium, MW-7 (mg/l)



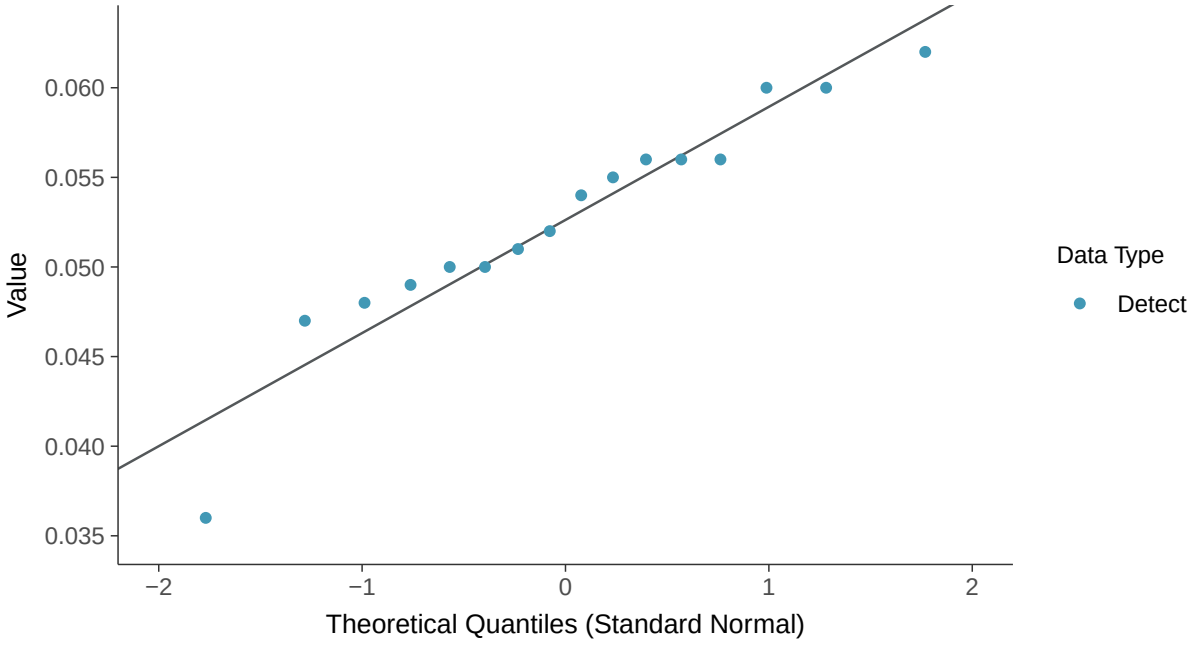
Boxplot by Season

Barium, MW-7 (mg/l)



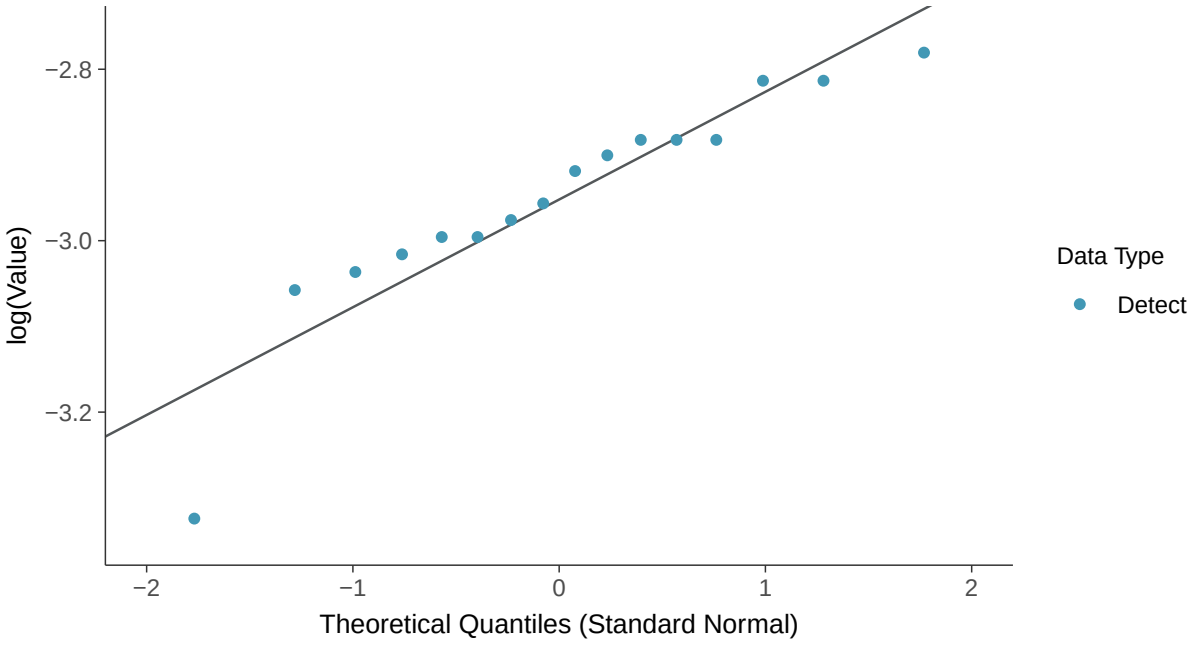
Normal Q-Q plot

Barium, MW-7 (mg/l)



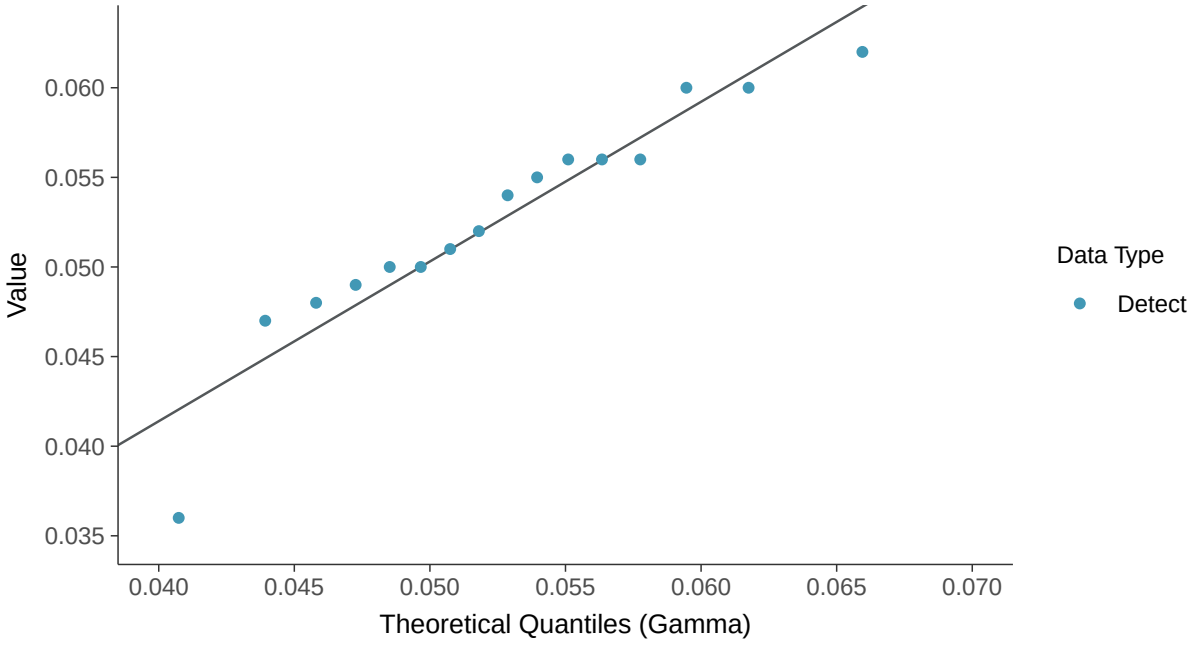
Lognormal Q-Q plot

Barium, MW-7 (mg/l)



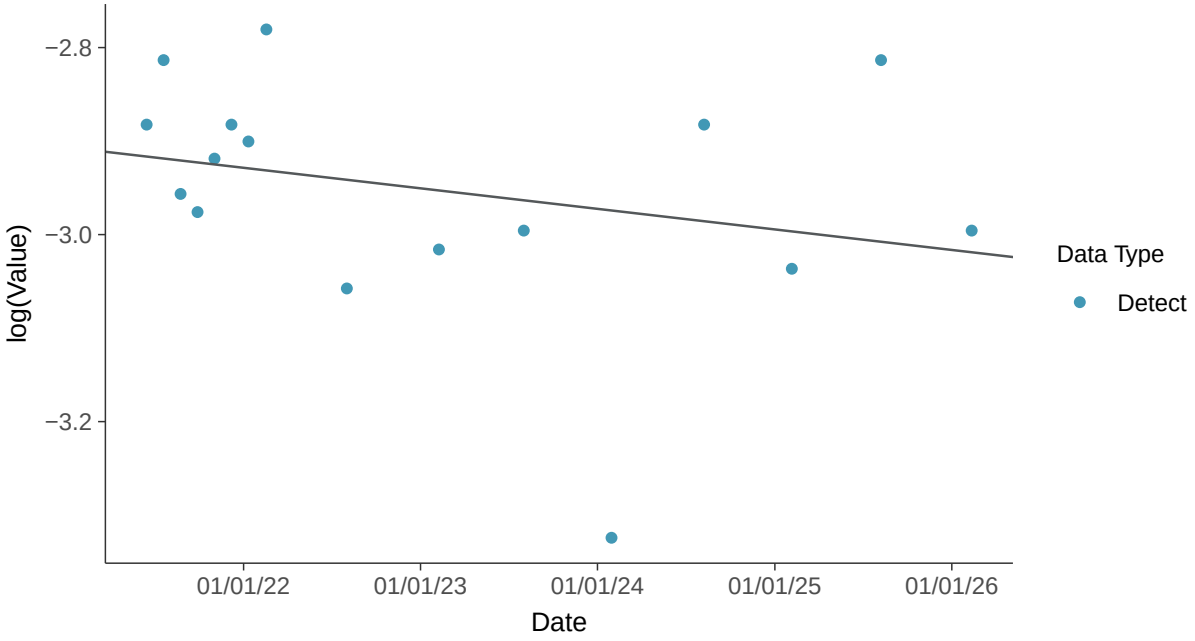
Gamma Q-Q plot

Barium, MW-7 (mg/l)



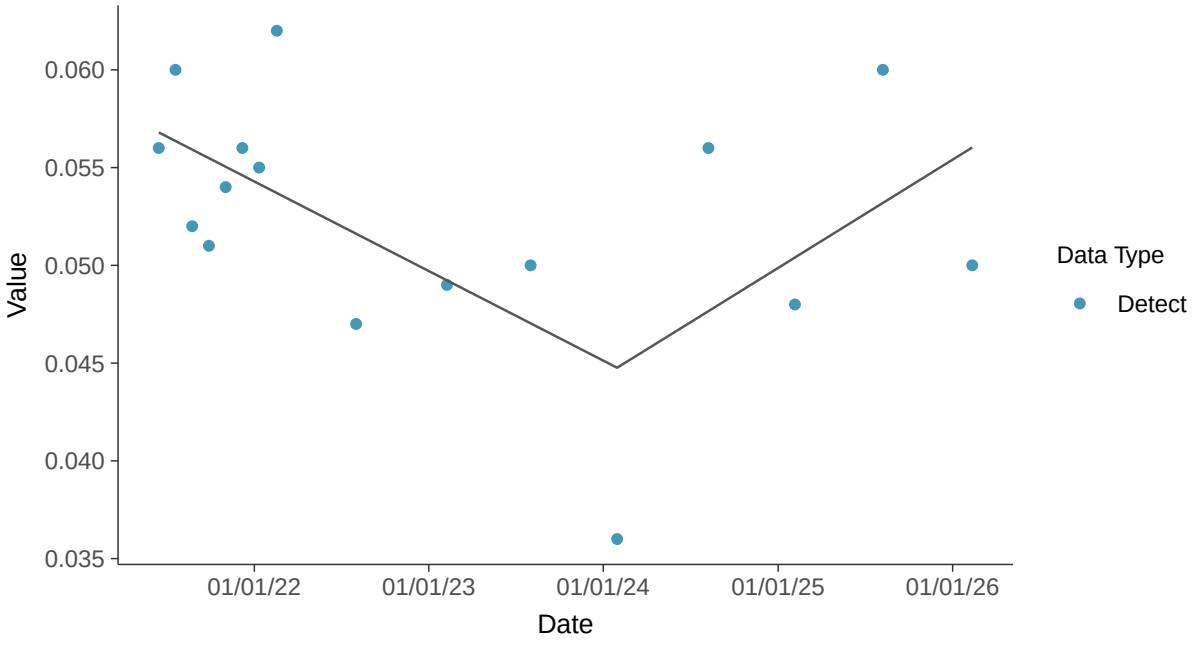
Trend Regression: Lognormal MLE

Barium, MW-7 (mg/l)



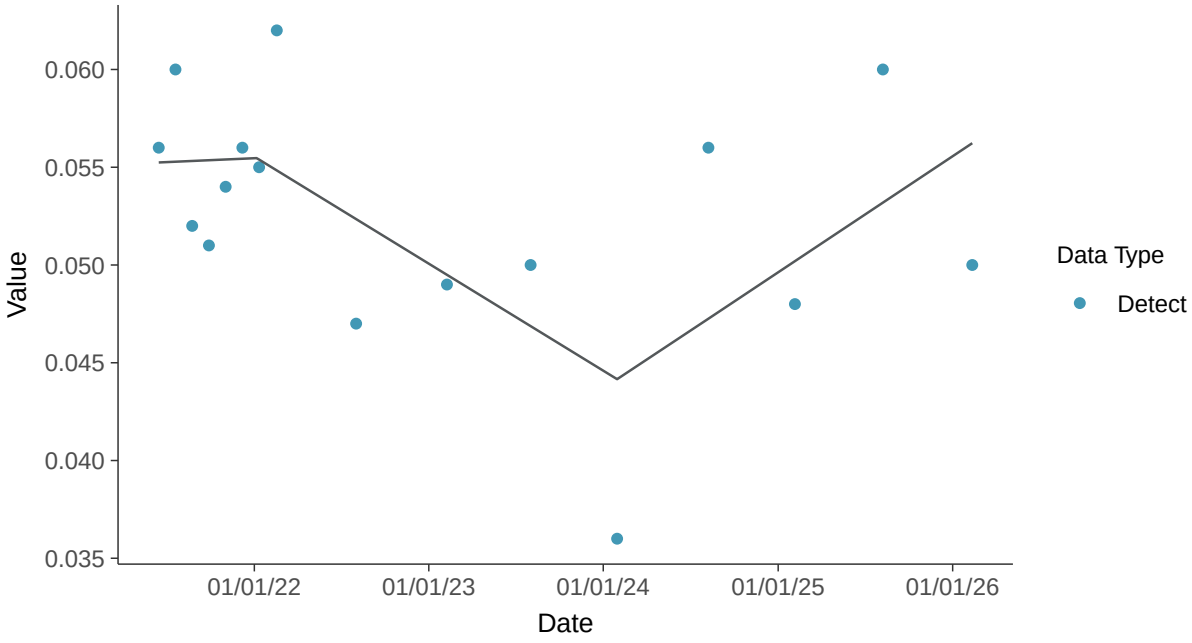
Trend Regression: Piecewise Linear-Linear

Barium, MW-7 (mg/l)



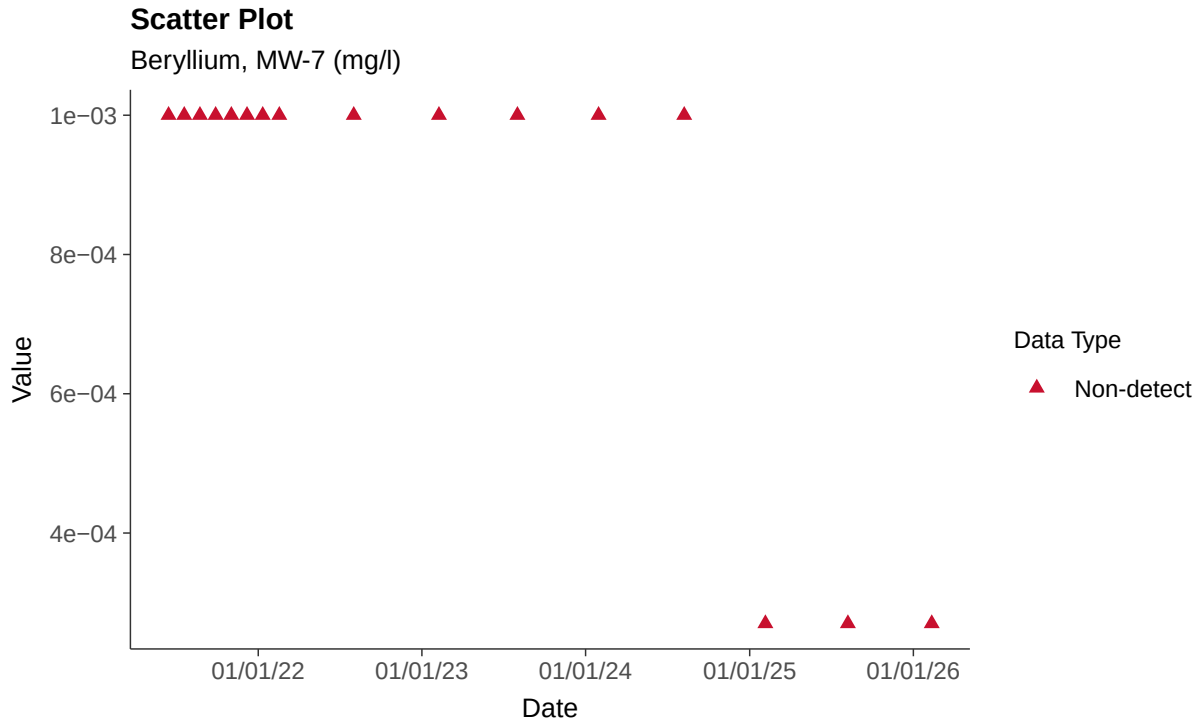
Trend Regression: Piecewise Linear-Linear-Linear

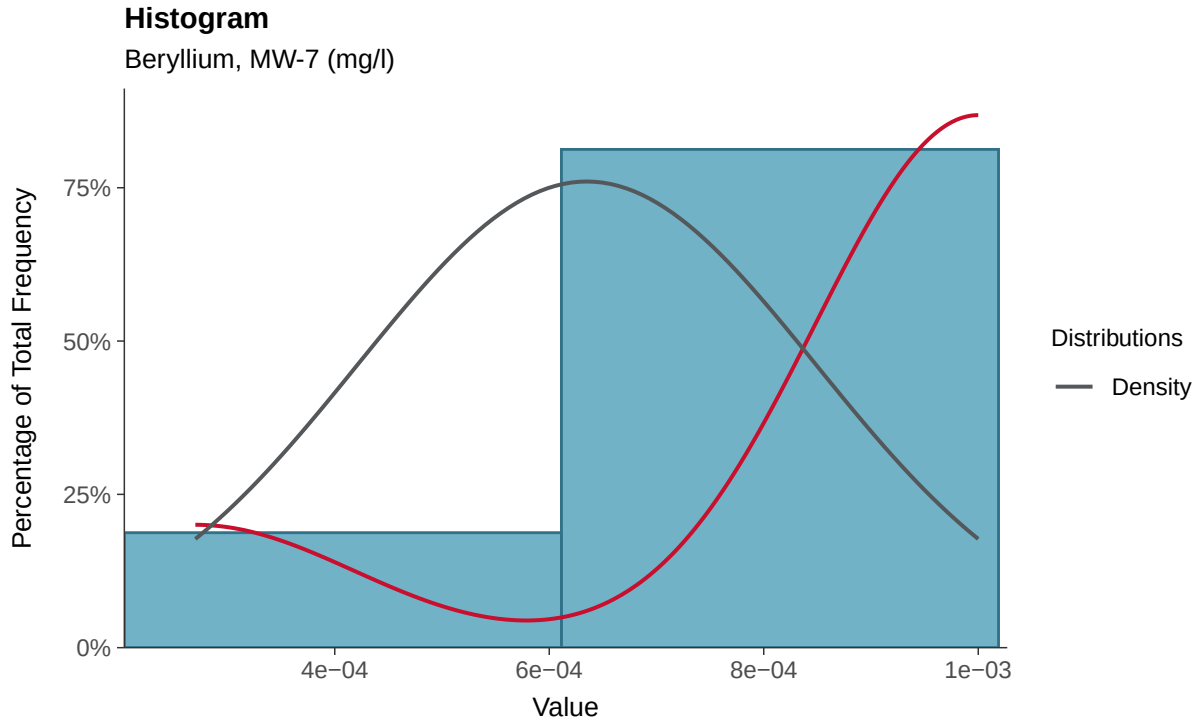
Barium, MW-7 (mg/l)



Appendix IV: Beryllium, MW-7

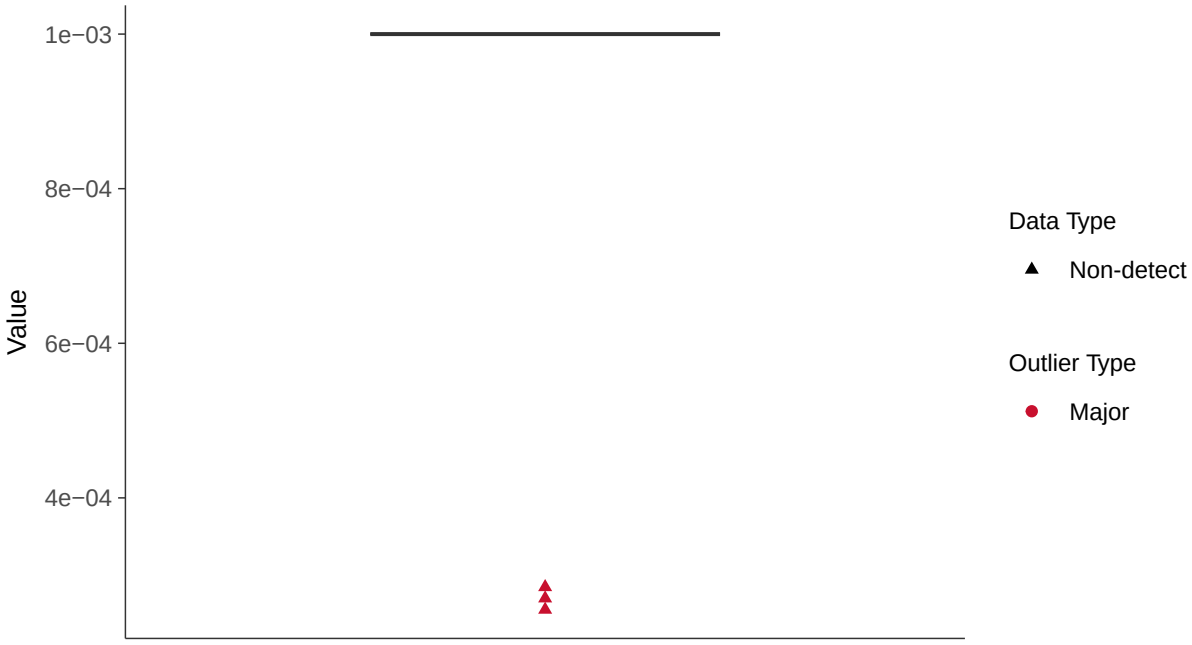
ID: 15_3_104





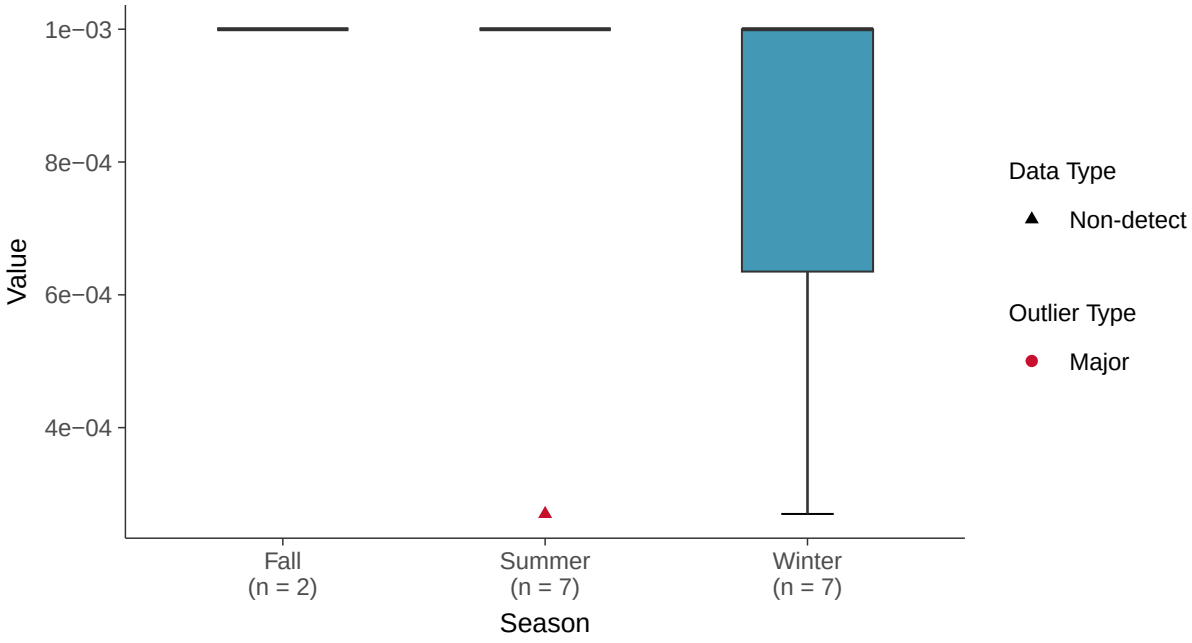
Boxplot

Beryllium, MW-7 (mg/l)



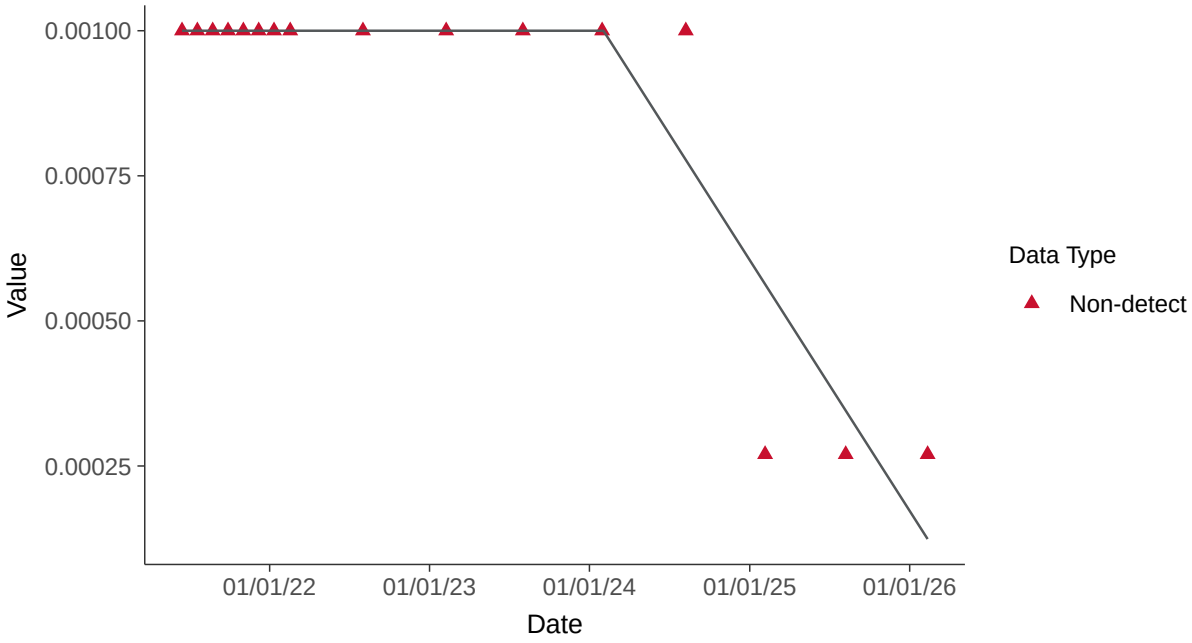
Boxplot by Season

Beryllium, MW-7 (mg/l)



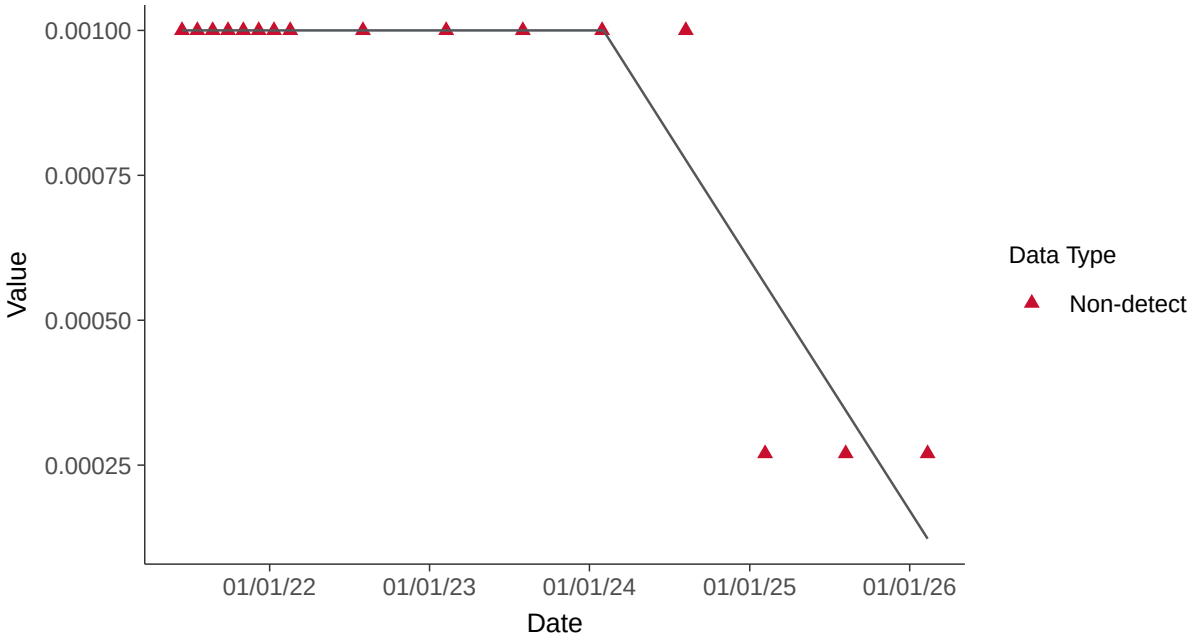
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-7 (mg/l)



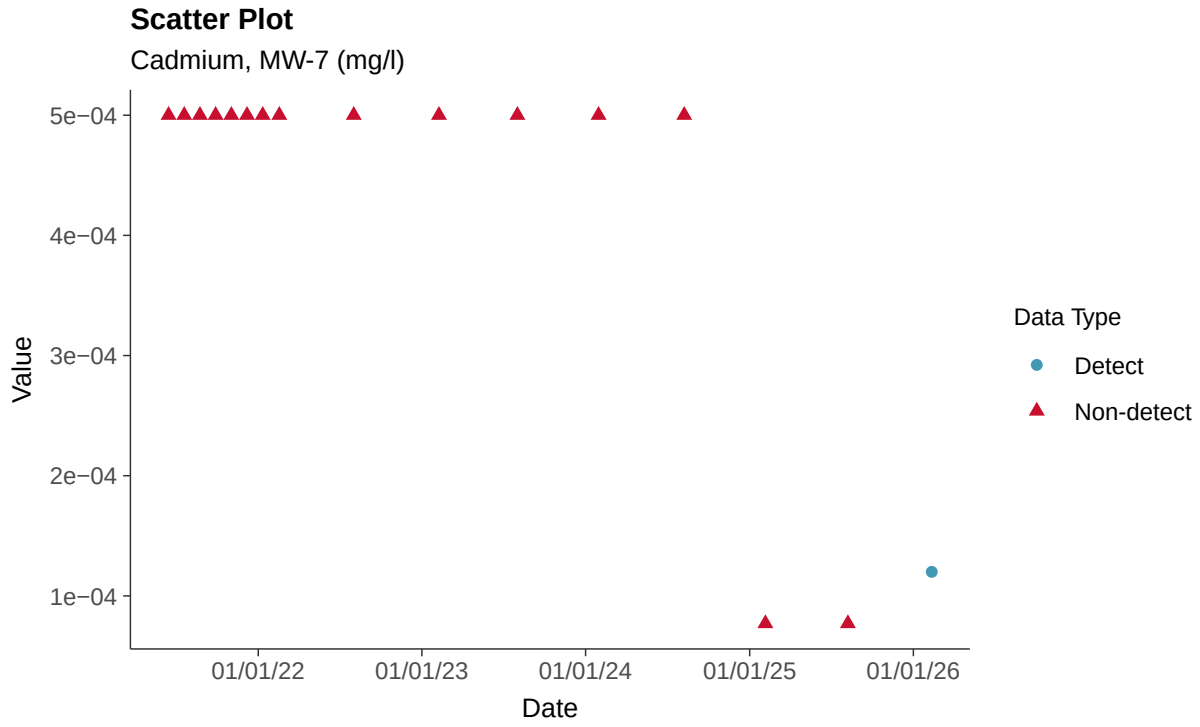
Trend Regression: Piecewise Linear-Linear-Linear

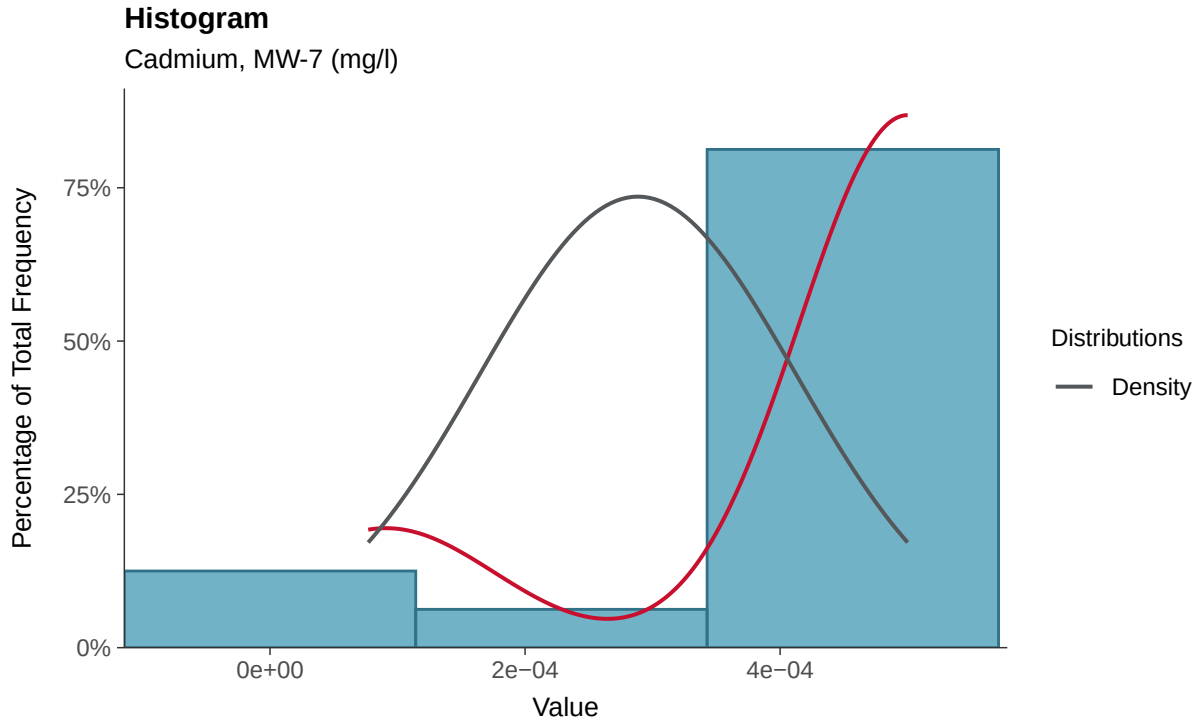
Beryllium, MW-7 (mg/l)



Appendix IV: Cadmium, MW-7

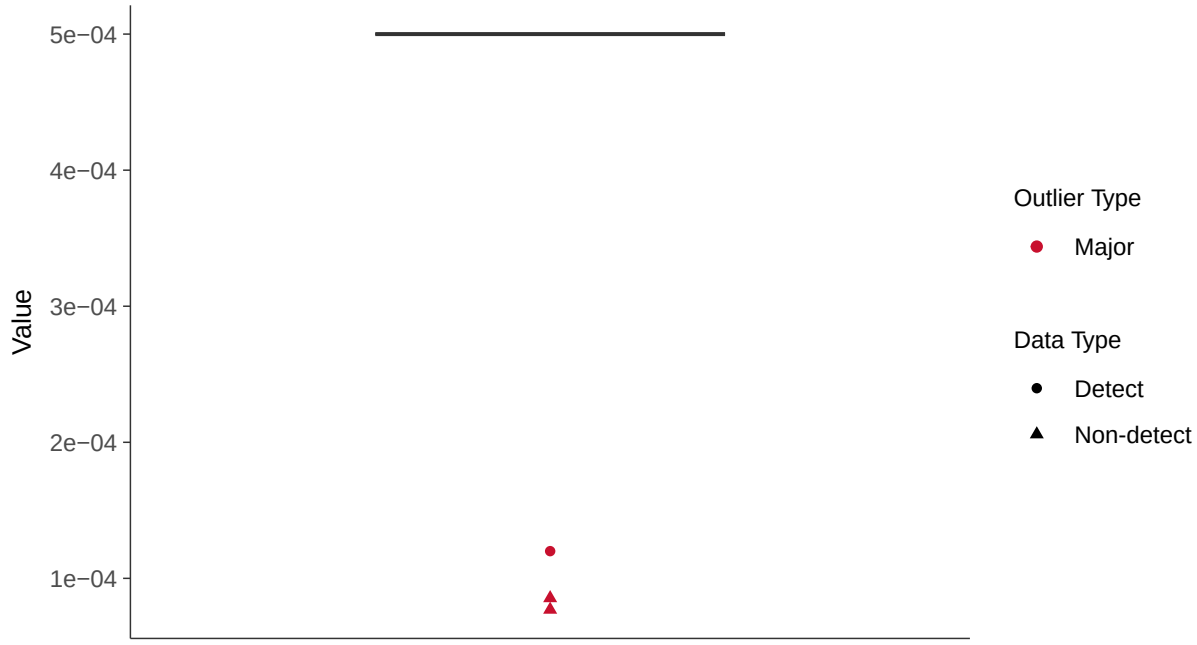
ID: 15_3_106





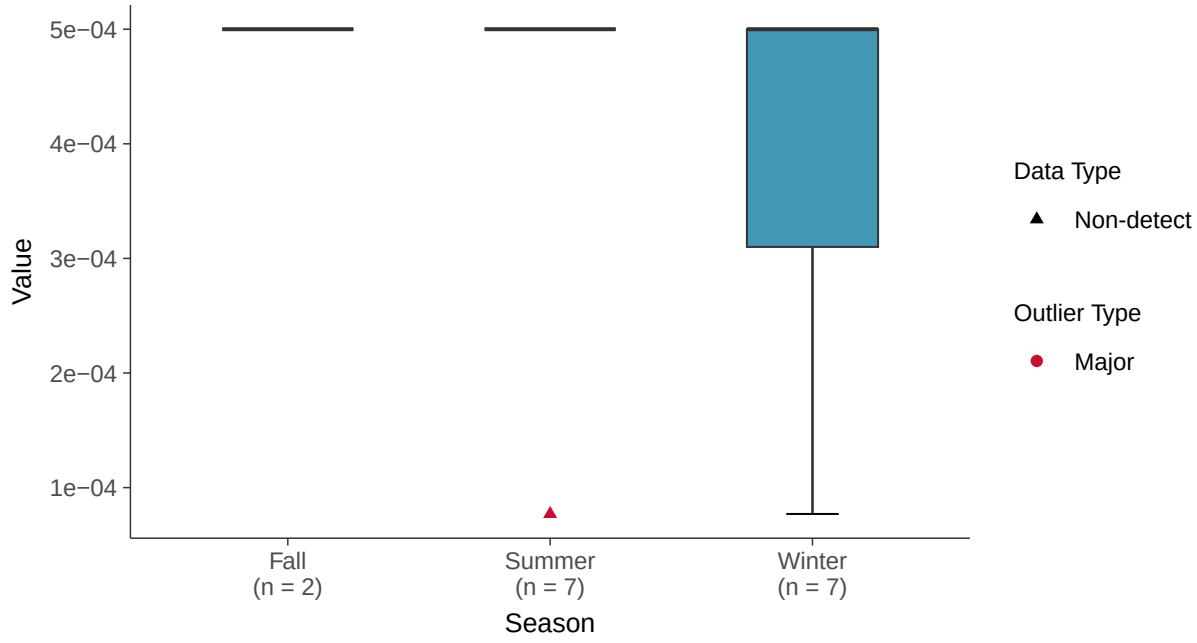
Boxplot

Cadmium, MW-7 (mg/l)



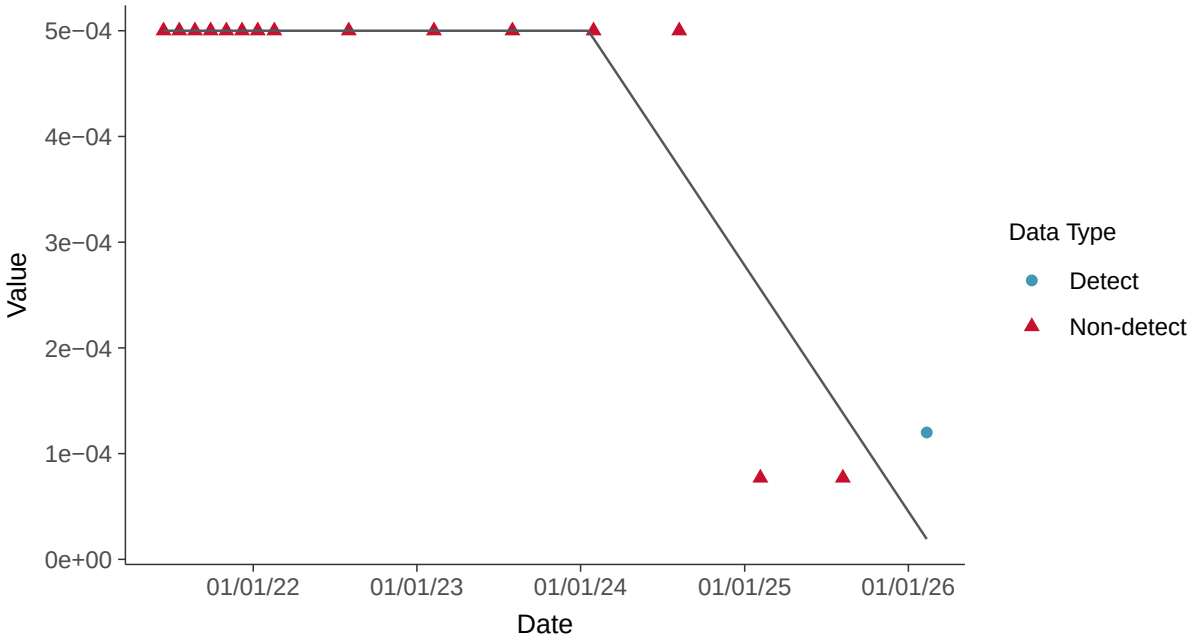
Boxplot by Season

Cadmium, MW-7 (mg/l)



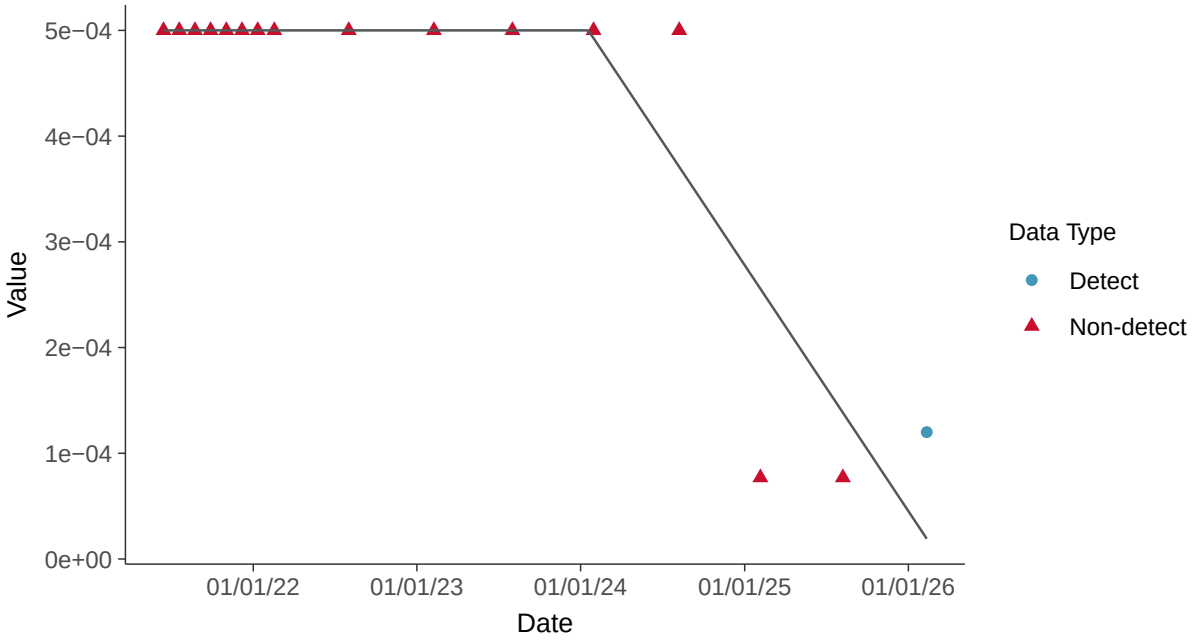
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-7 (mg/l)



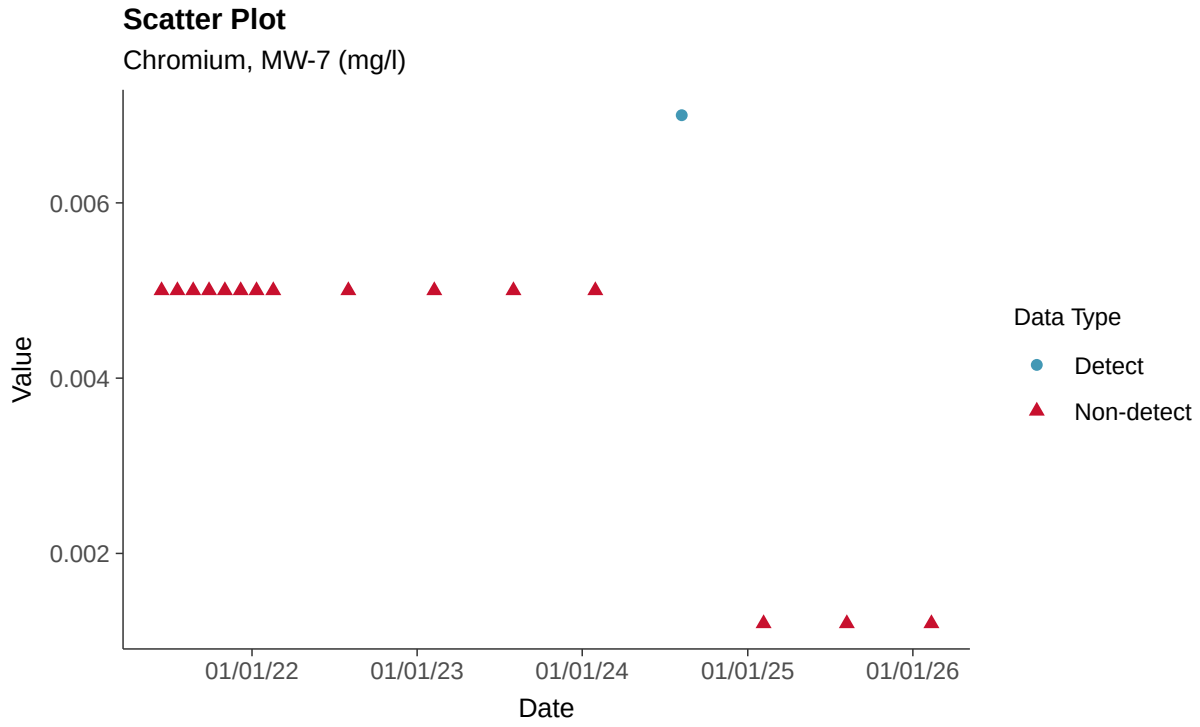
Trend Regression: Piecewise Linear-Linear-Linear

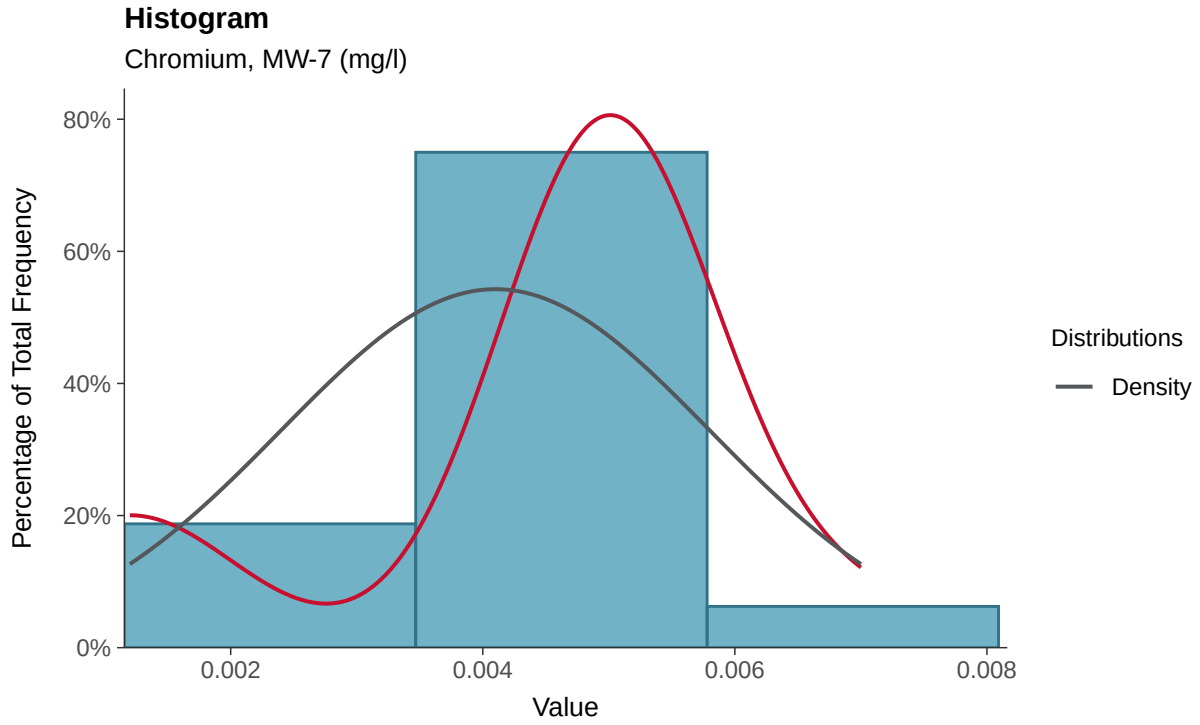
Cadmium, MW-7 (mg/l)



Appendix IV: Chromium, MW-7

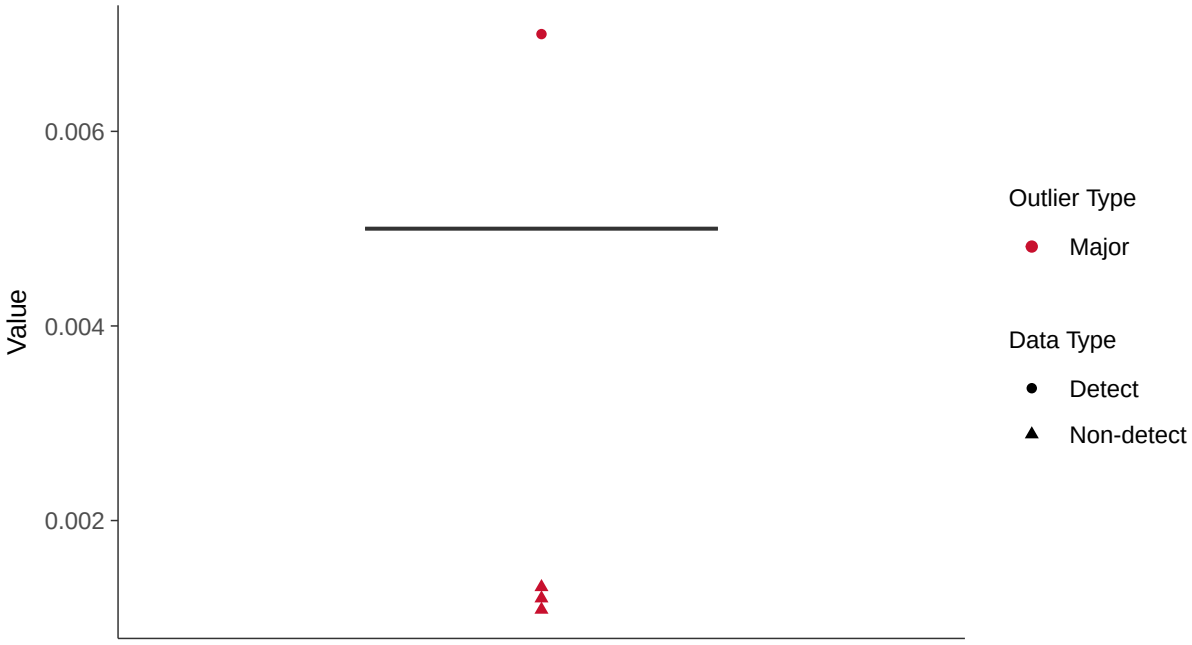
ID: 15_3_109





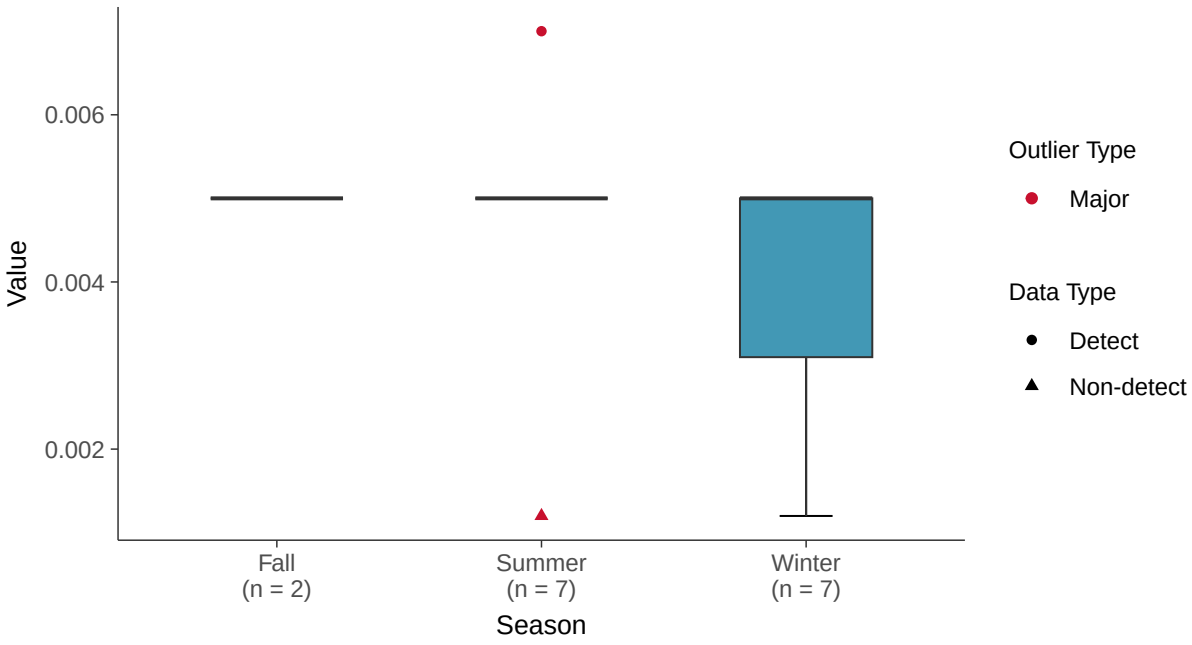
Boxplot

Chromium, MW-7 (mg/l)



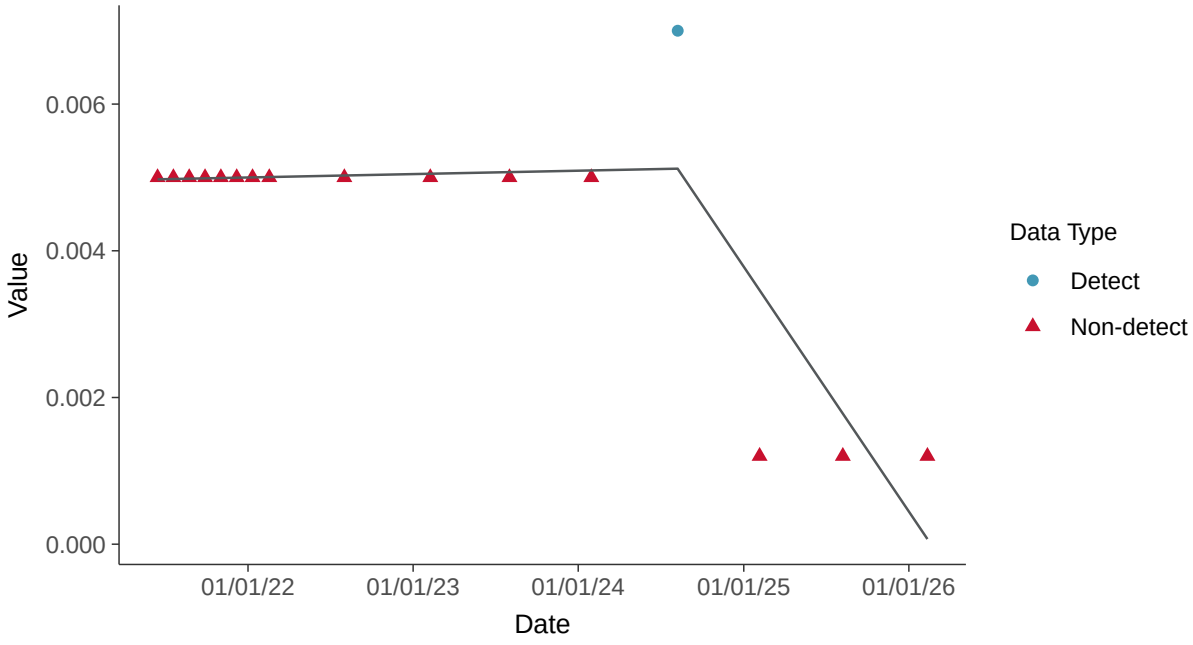
Boxplot by Season

Chromium, MW-7 (mg/l)



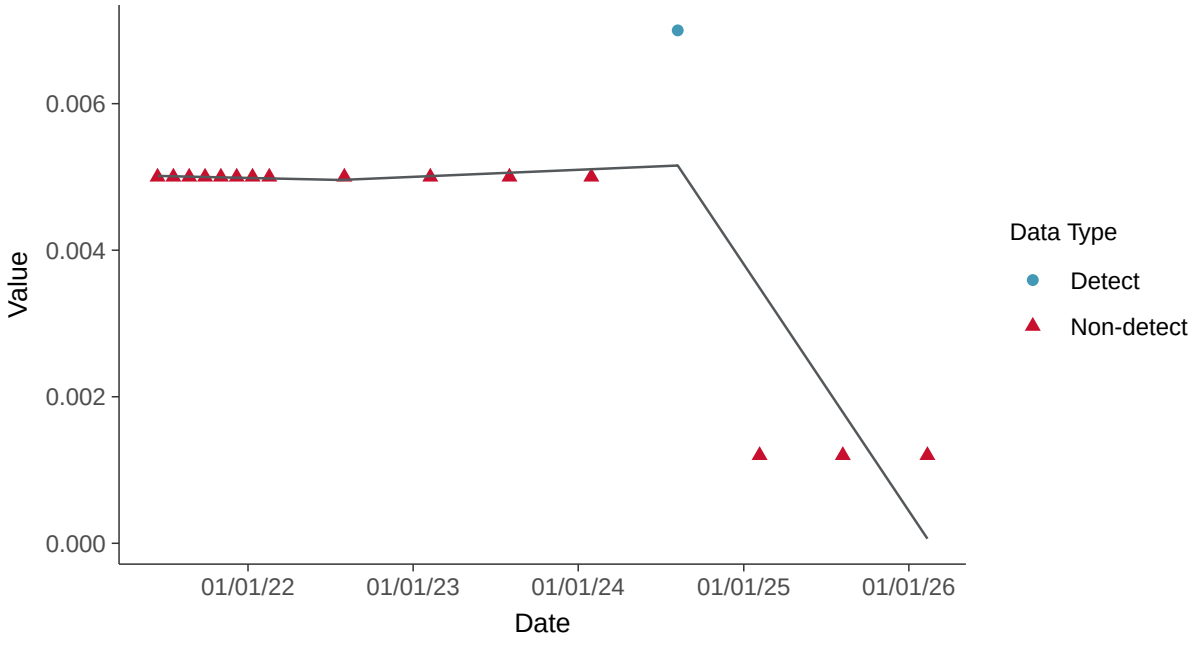
Trend Regression: Piecewise Linear-Linear

Chromium, MW-7 (mg/l)



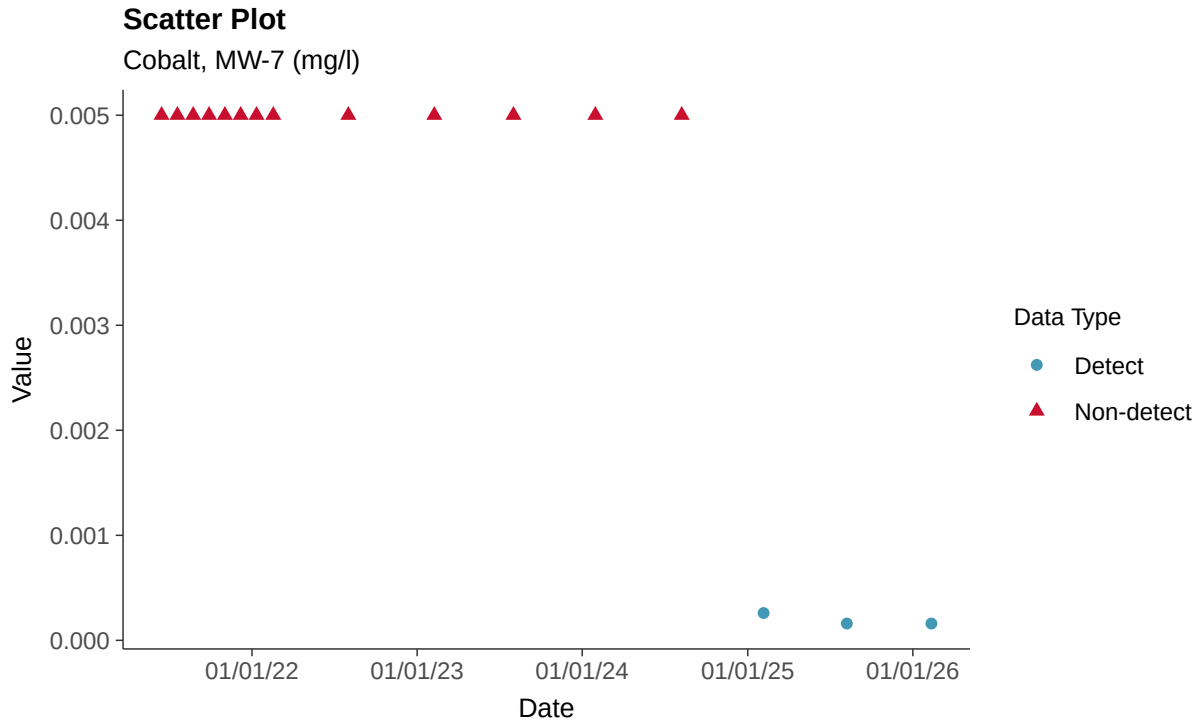
Trend Regression: Piecewise Linear-Linear-Linear

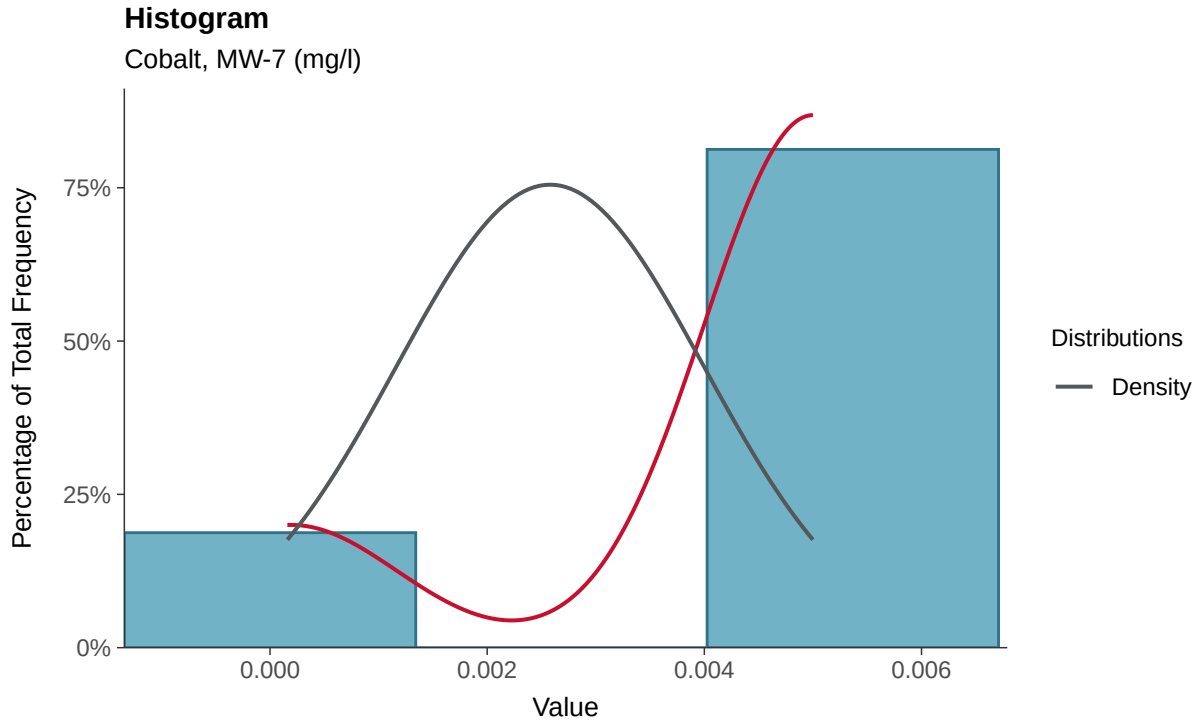
Chromium, MW-7 (mg/l)



Appendix IV: Cobalt, MW-7

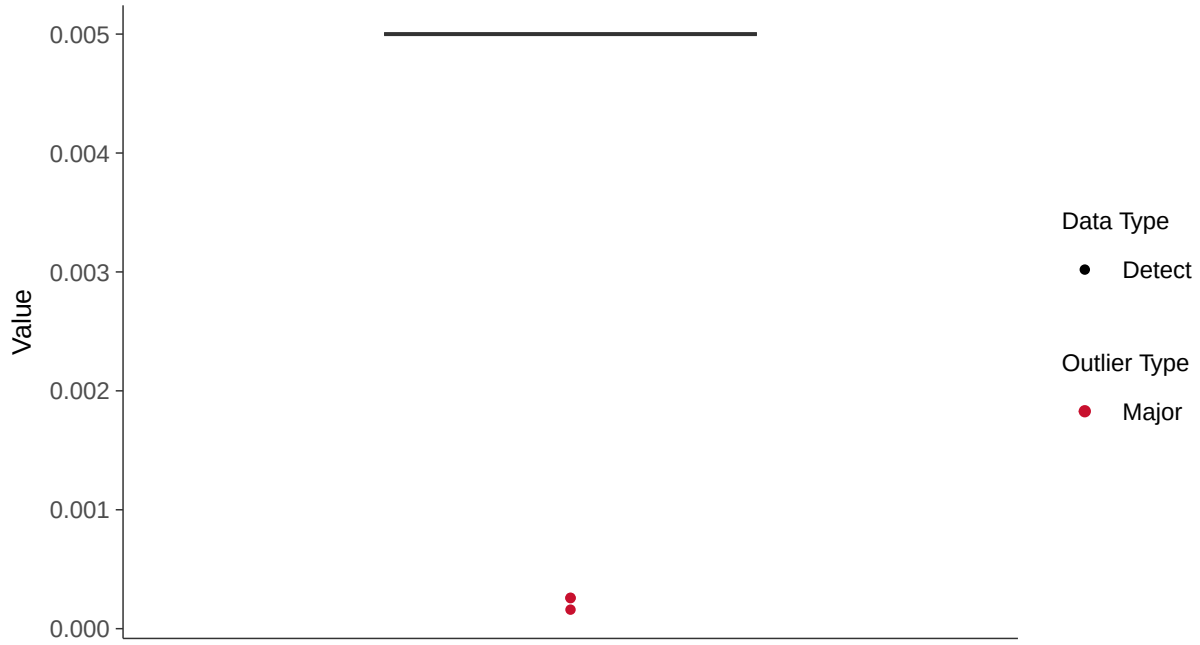
ID: 15_3_110





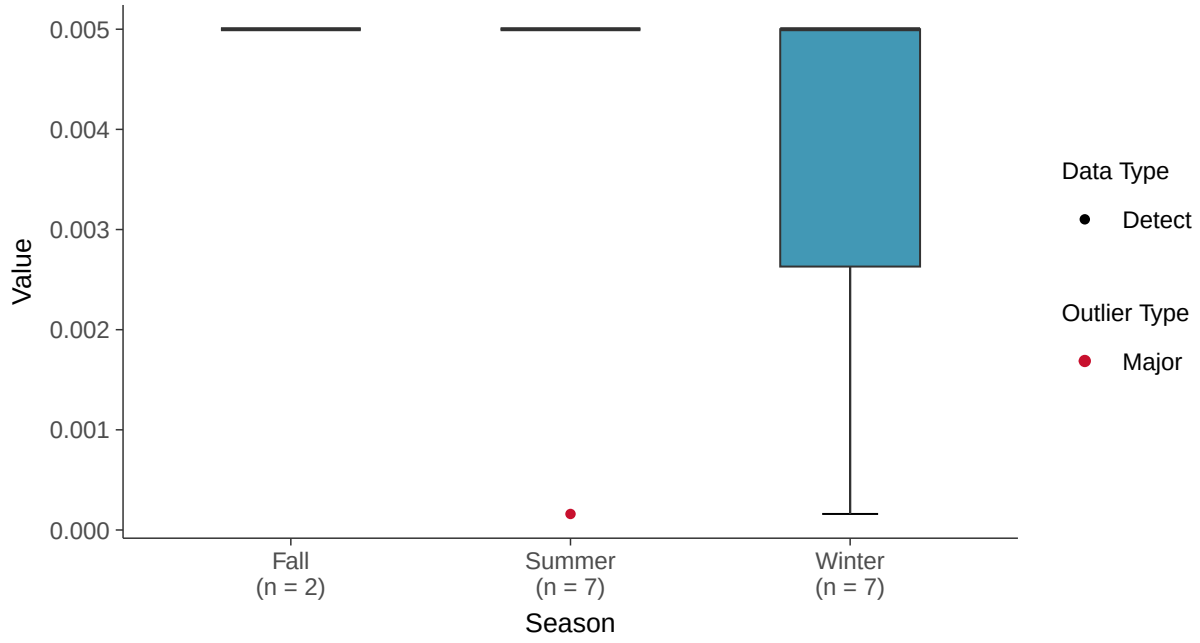
Boxplot

Cobalt, MW-7 (mg/l)



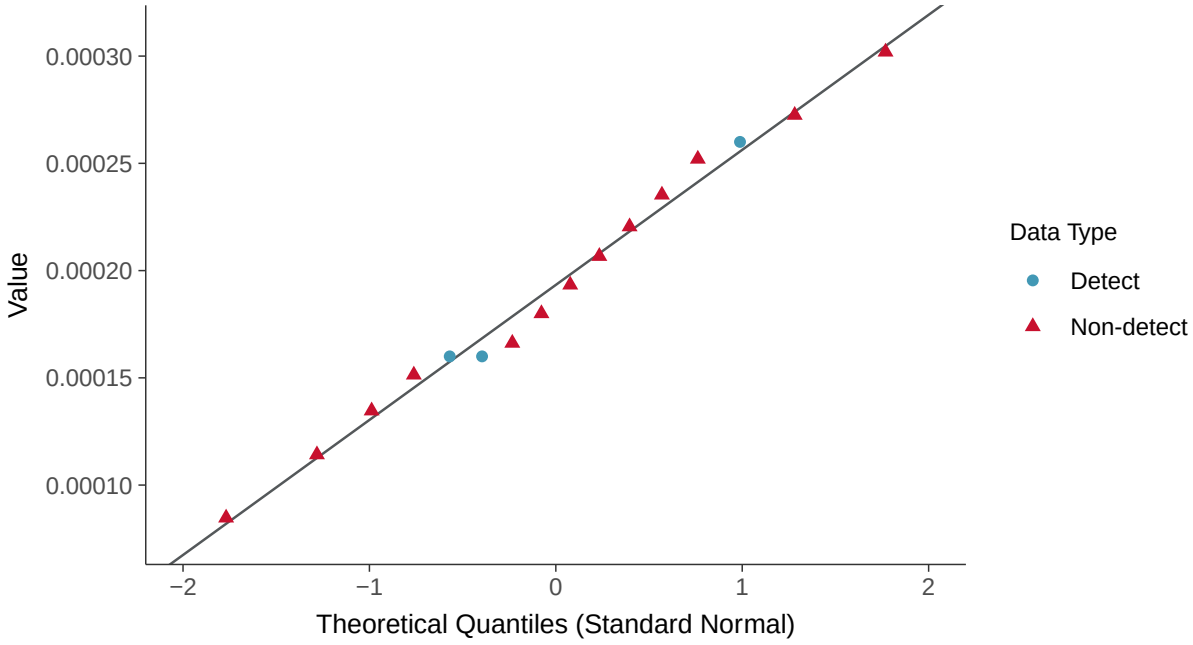
Boxplot by Season

Cobalt, MW-7 (mg/l)



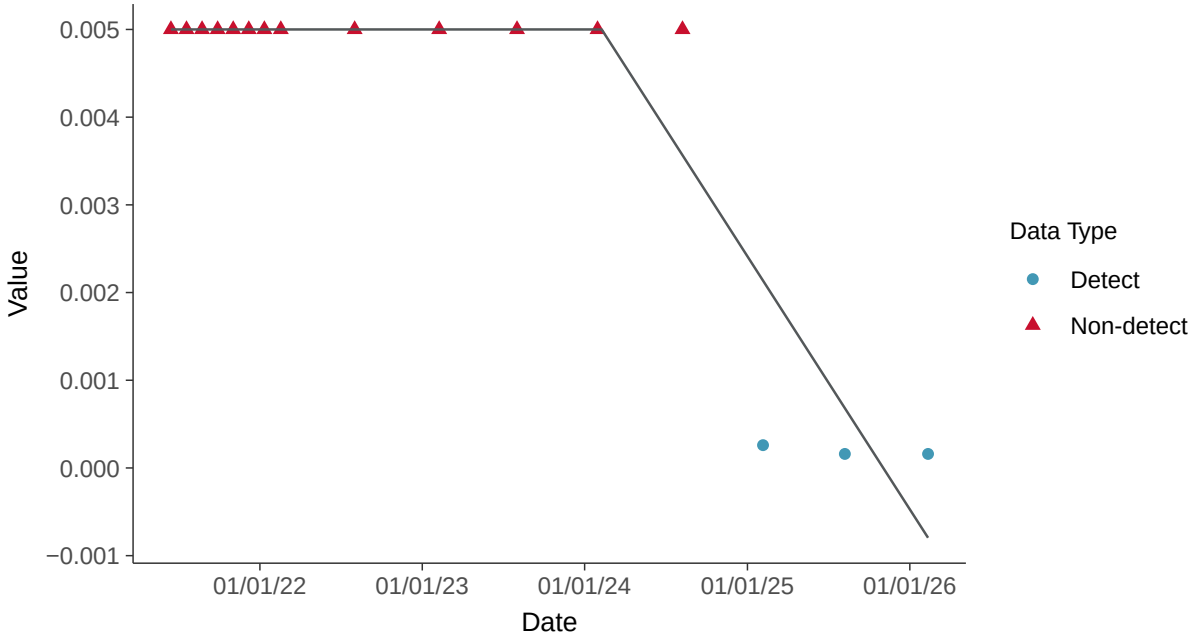
Normal Q-Q plot using ROS Imputed Estimates

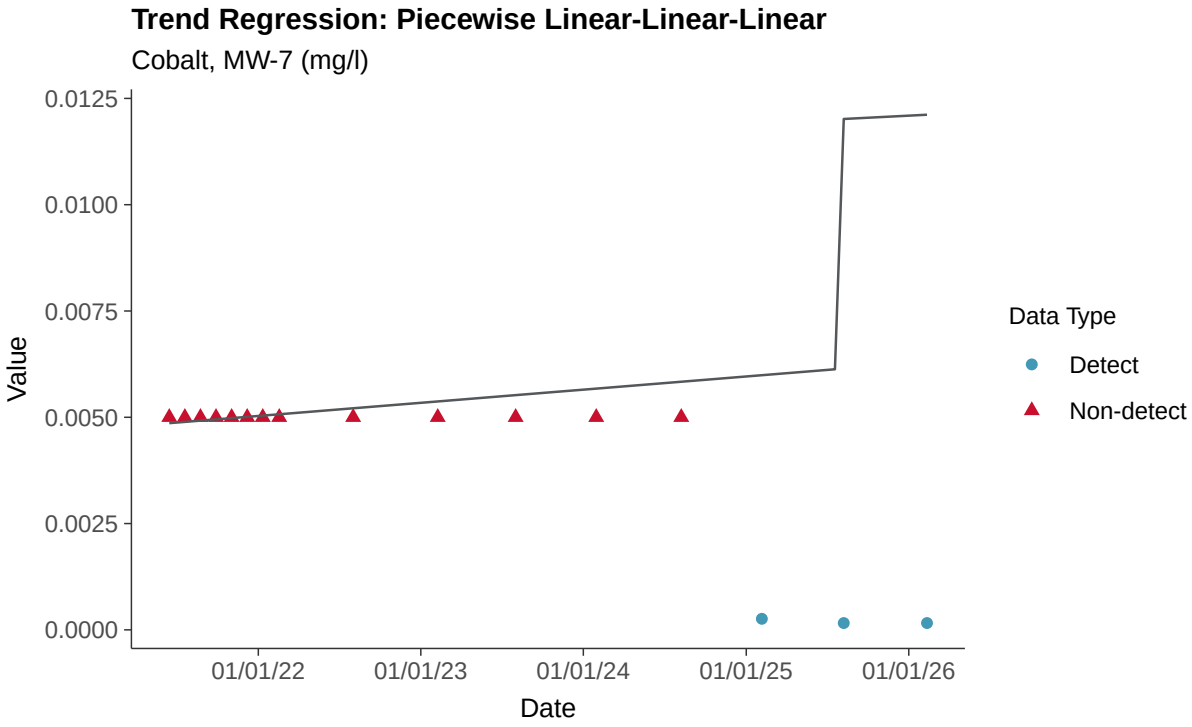
Cobalt, MW-7 (mg/l)



Trend Regression: Piecewise Linear-Linear

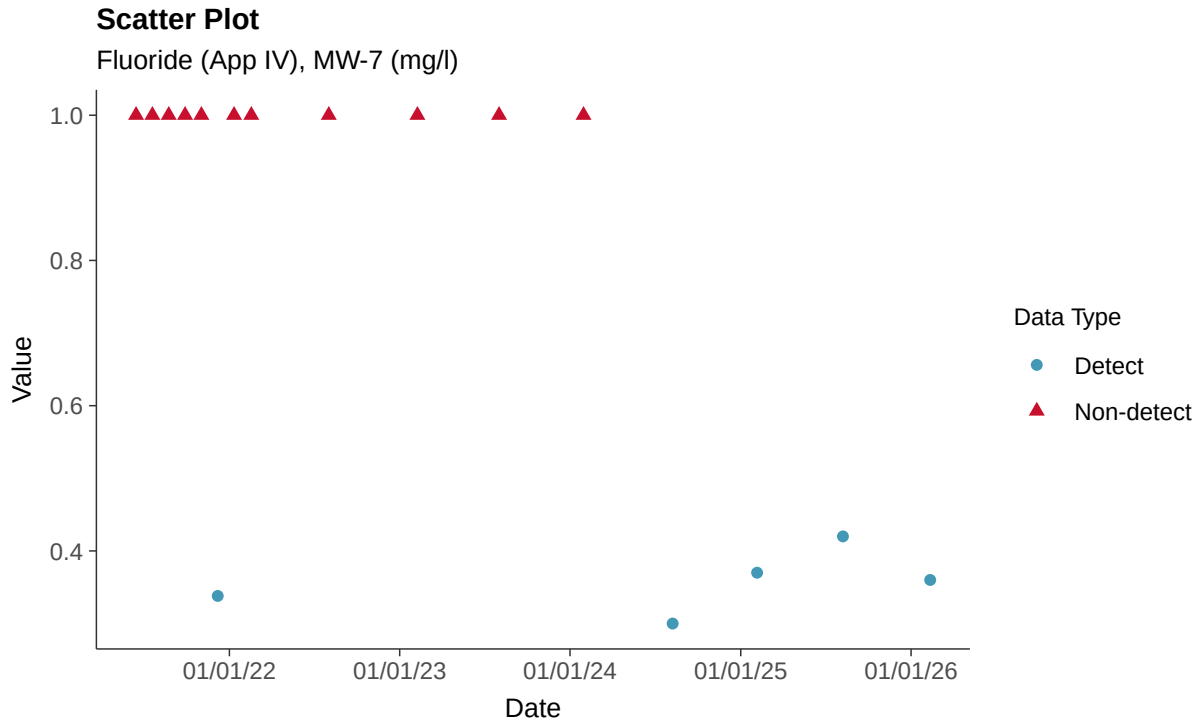
Cobalt, MW-7 (mg/l)

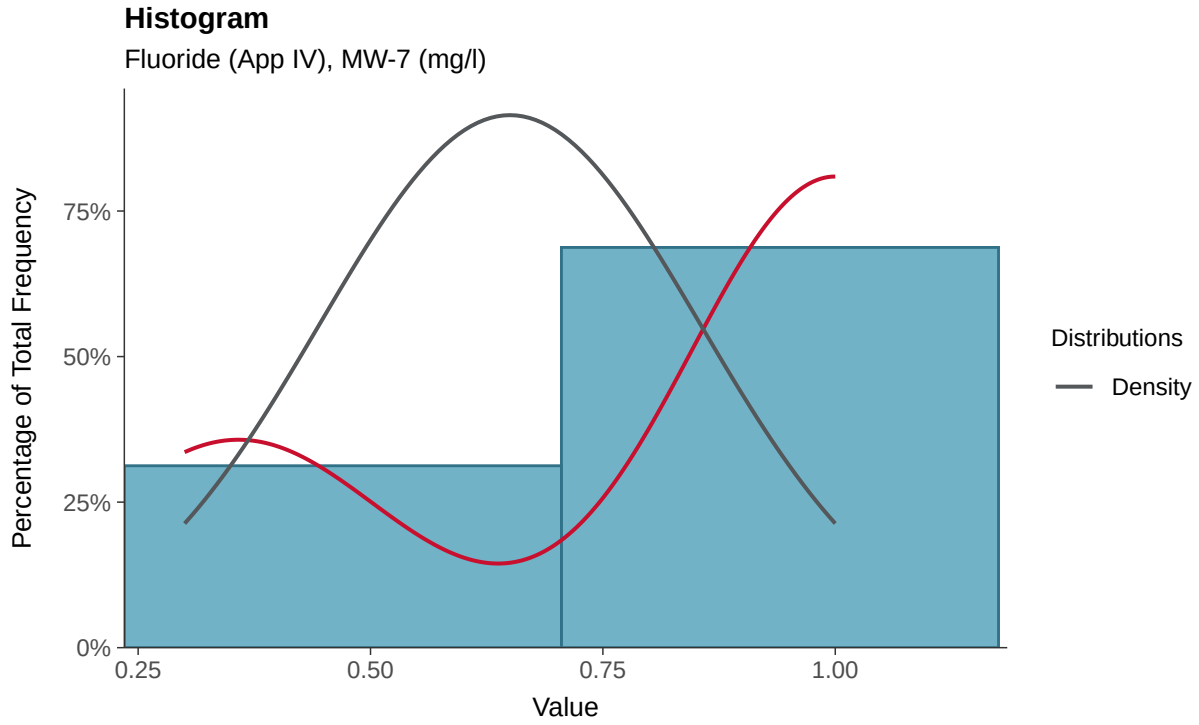



Trend Regression: Piecewise Linear-Linear-Linear
Cobalt, MW-7 (mg/l)
Value
0.0125
0.0100
0.0075
0.0050
0.0025
0.0000
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Fluoride (App IV), MW-7

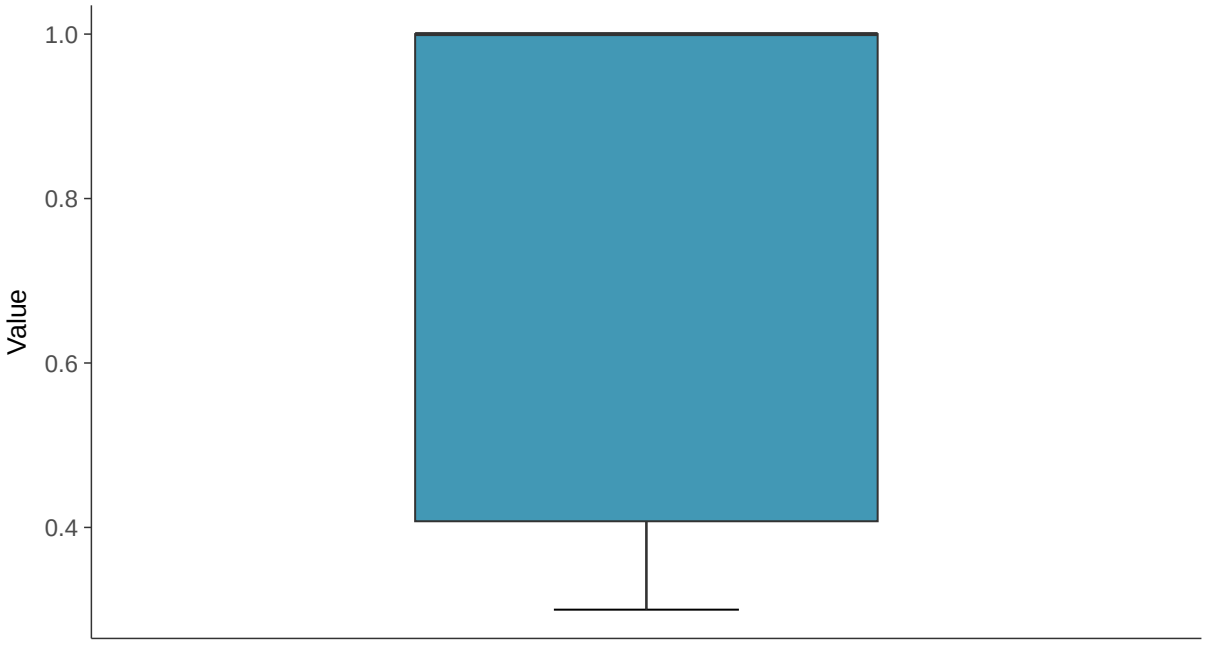
ID: 15_3_113





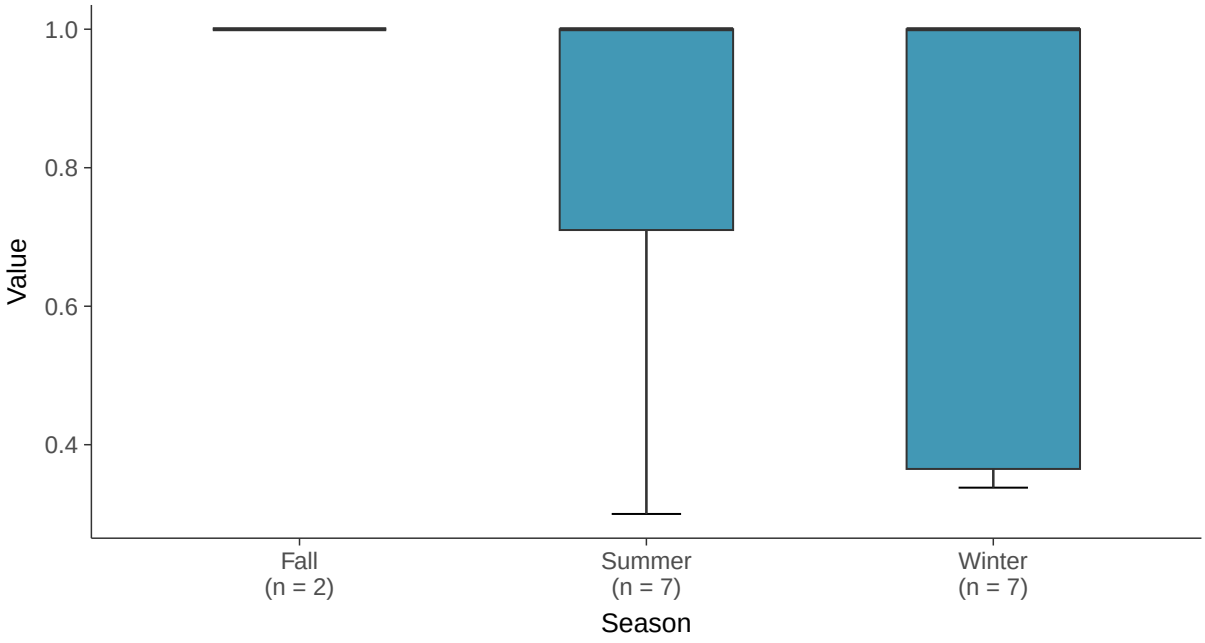
Boxplot

Fluoride (App IV), MW-7 (mg/l)



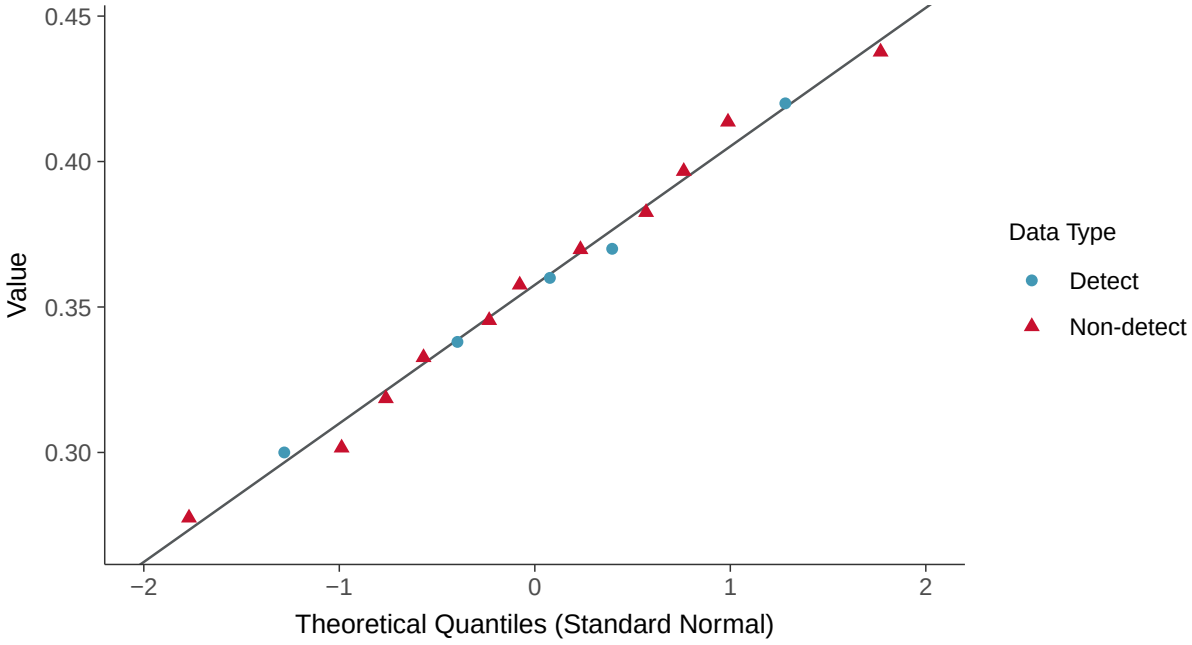
Boxplot by Season

Fluoride (App IV), MW-7 (mg/l)



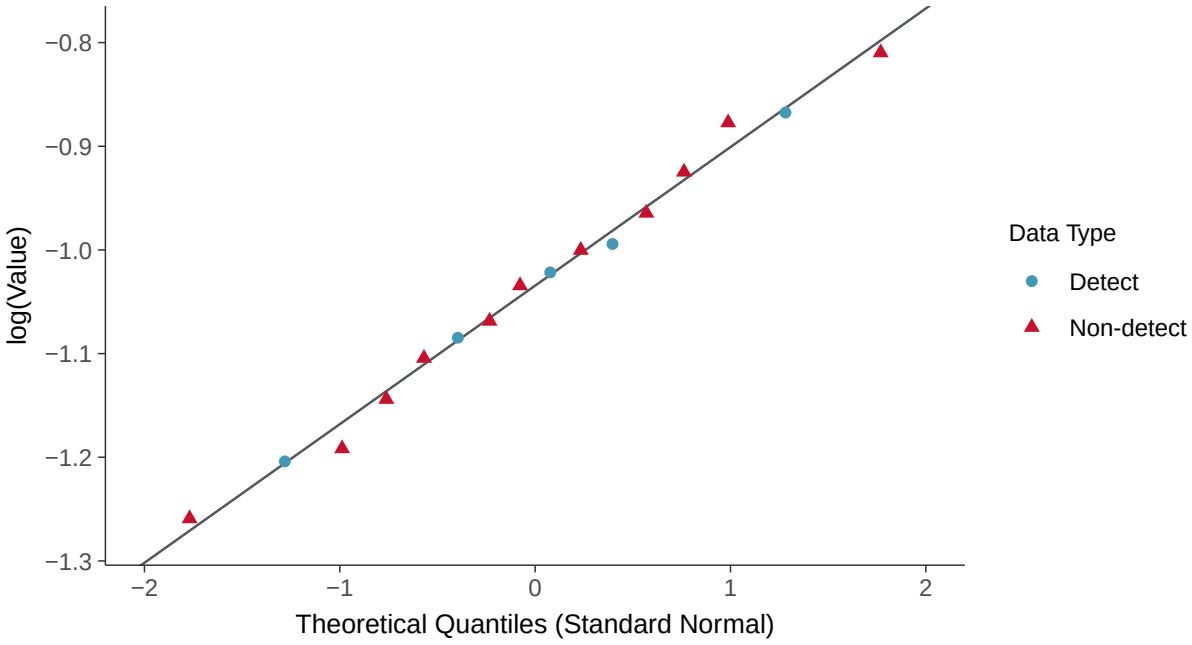
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-7 (mg/l)



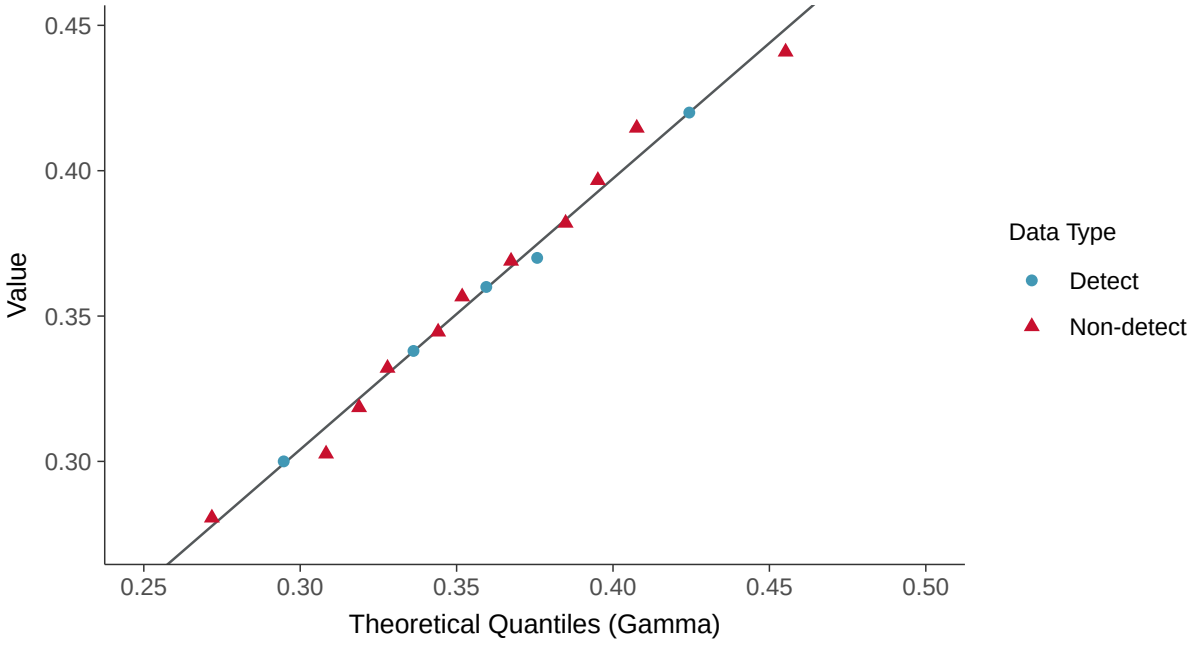
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-7 (mg/l)



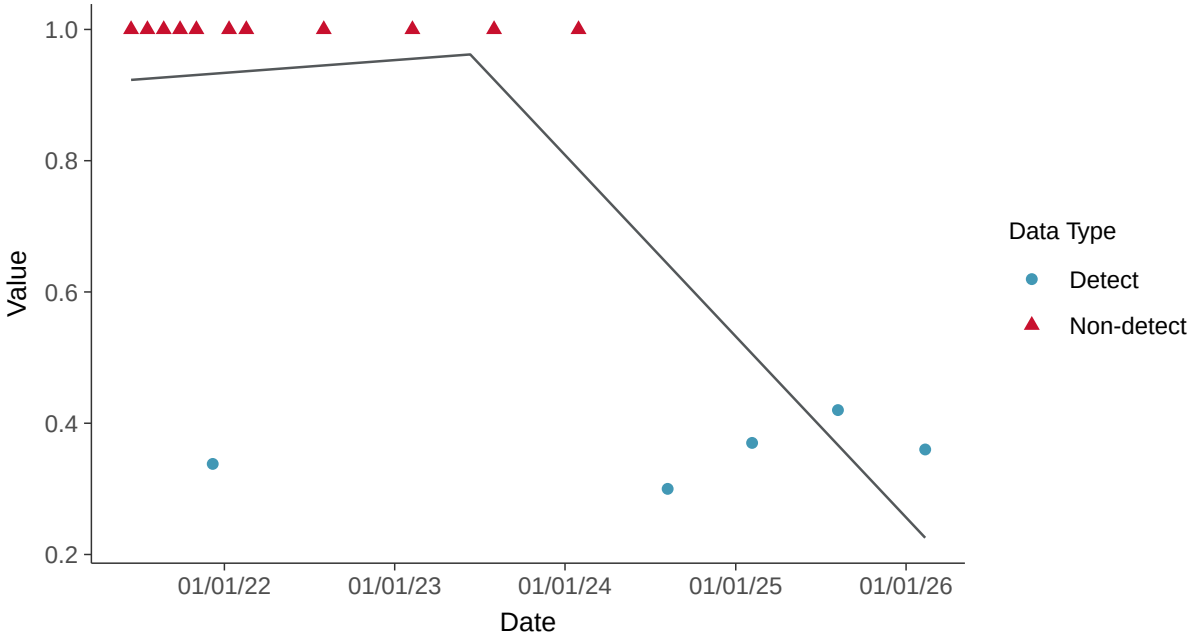
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-7 (mg/l)



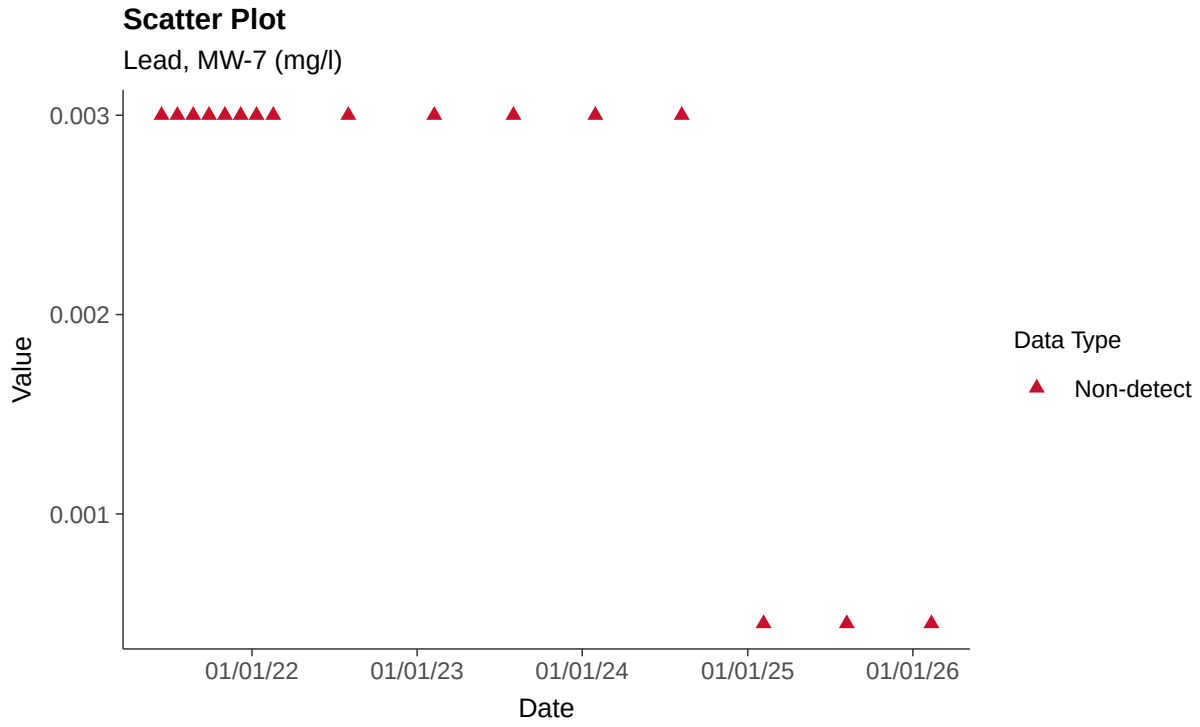
Trend Regression: Piecewise Linear-Linear

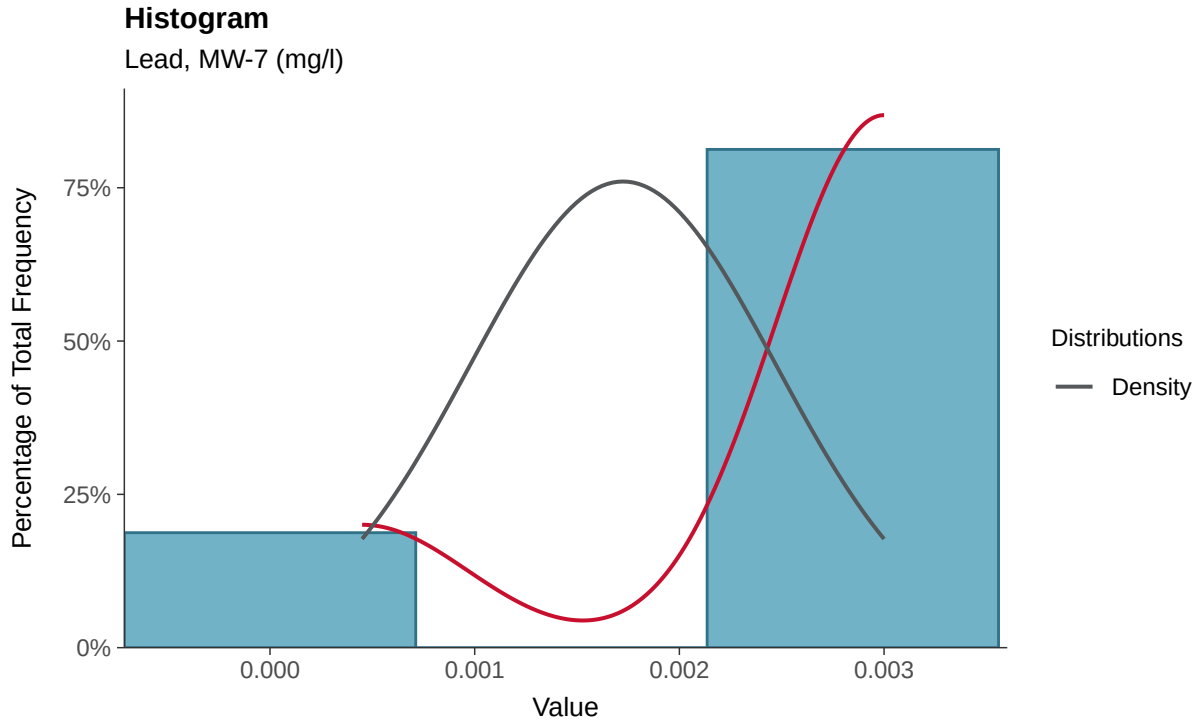
Fluoride (App IV), MW-7 (mg/l)



Appendix IV: Lead, MW-7

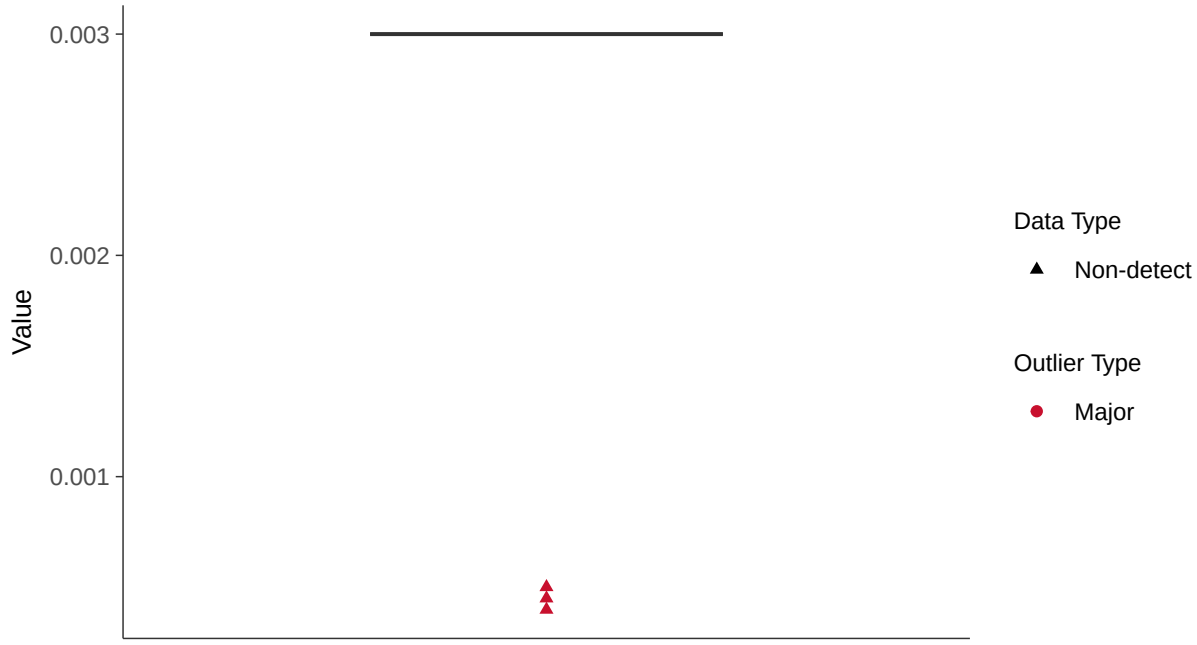
ID: 15_3_115





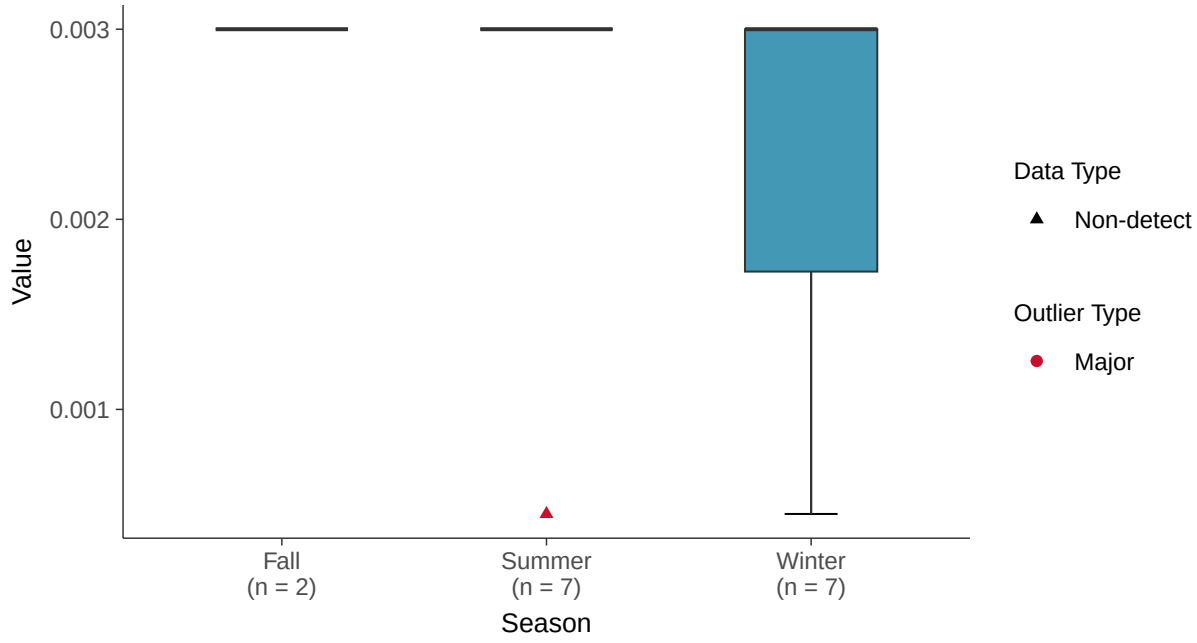
Boxplot

Lead, MW-7 (mg/l)



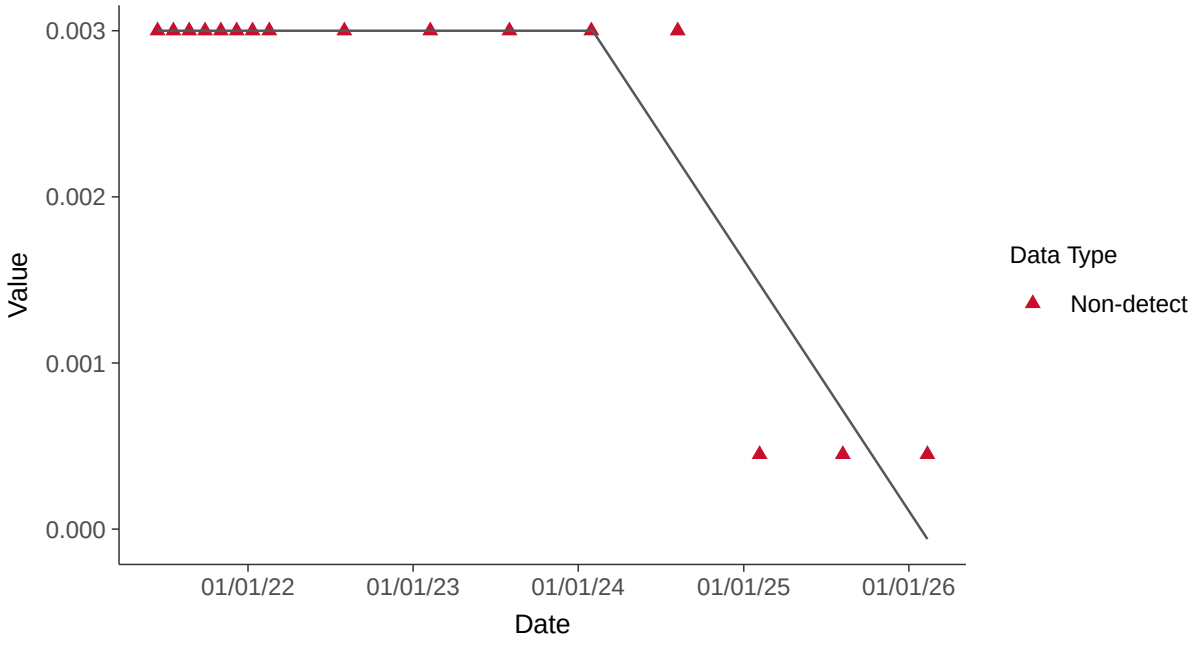
Boxplot by Season

Lead, MW-7 (mg/l)



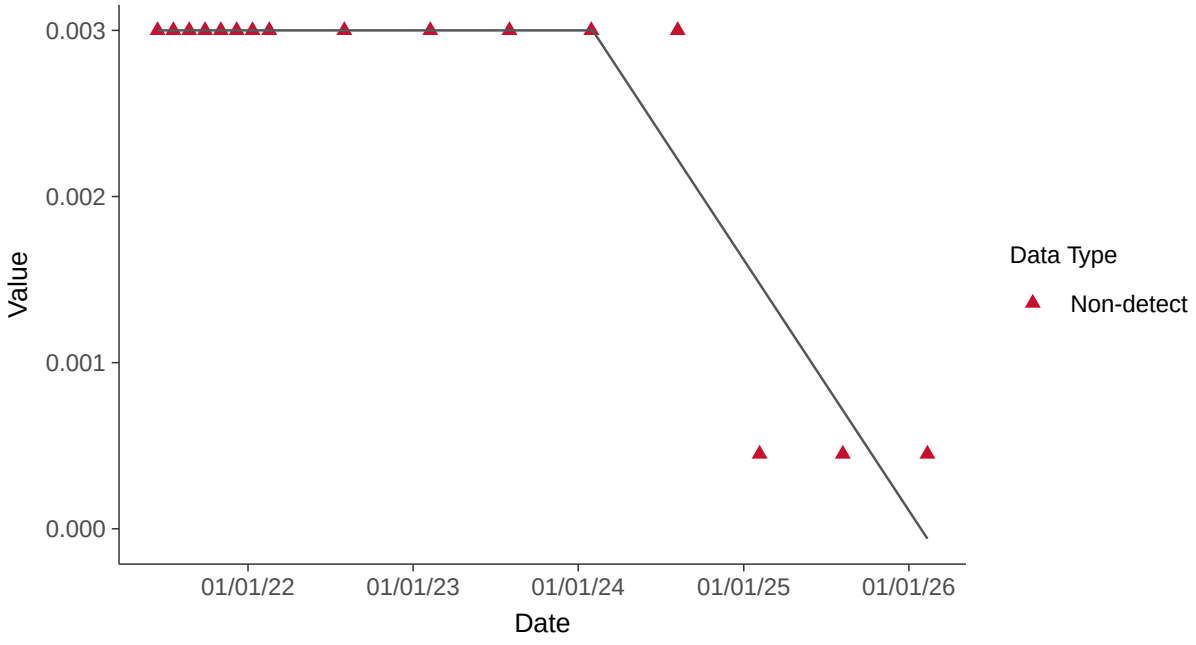
Trend Regression: Piecewise Linear-Linear

Lead, MW-7 (mg/l)



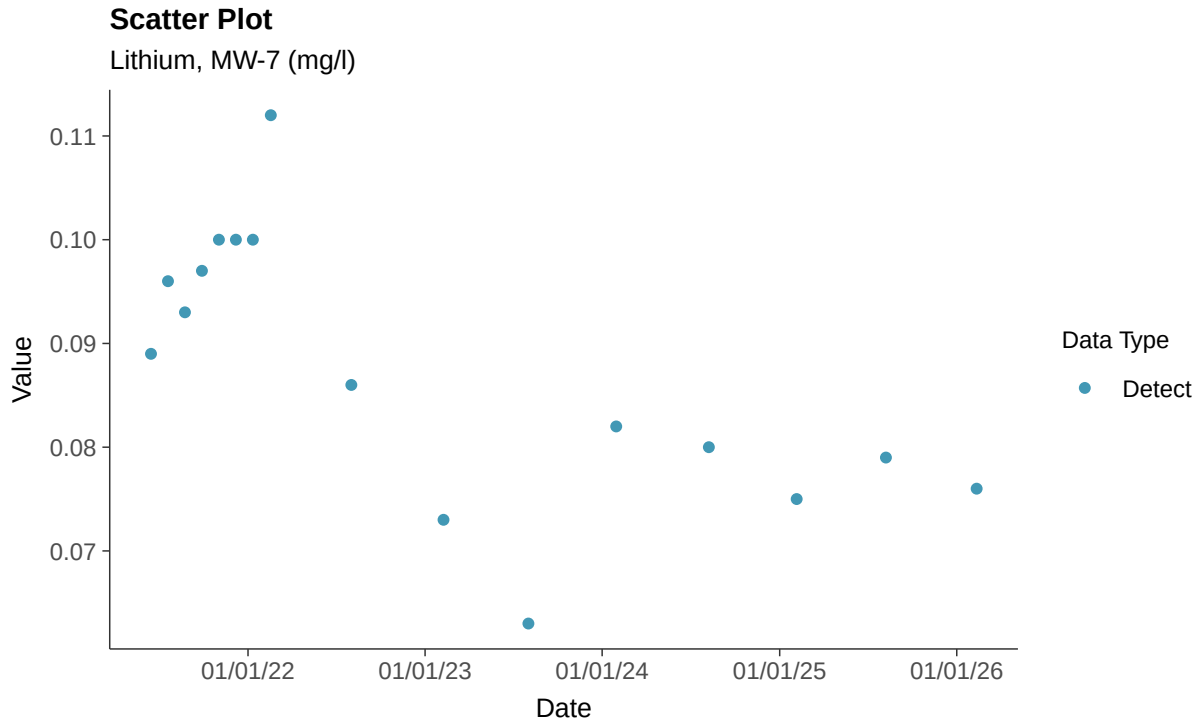
Trend Regression: Piecewise Linear-Linear-Linear

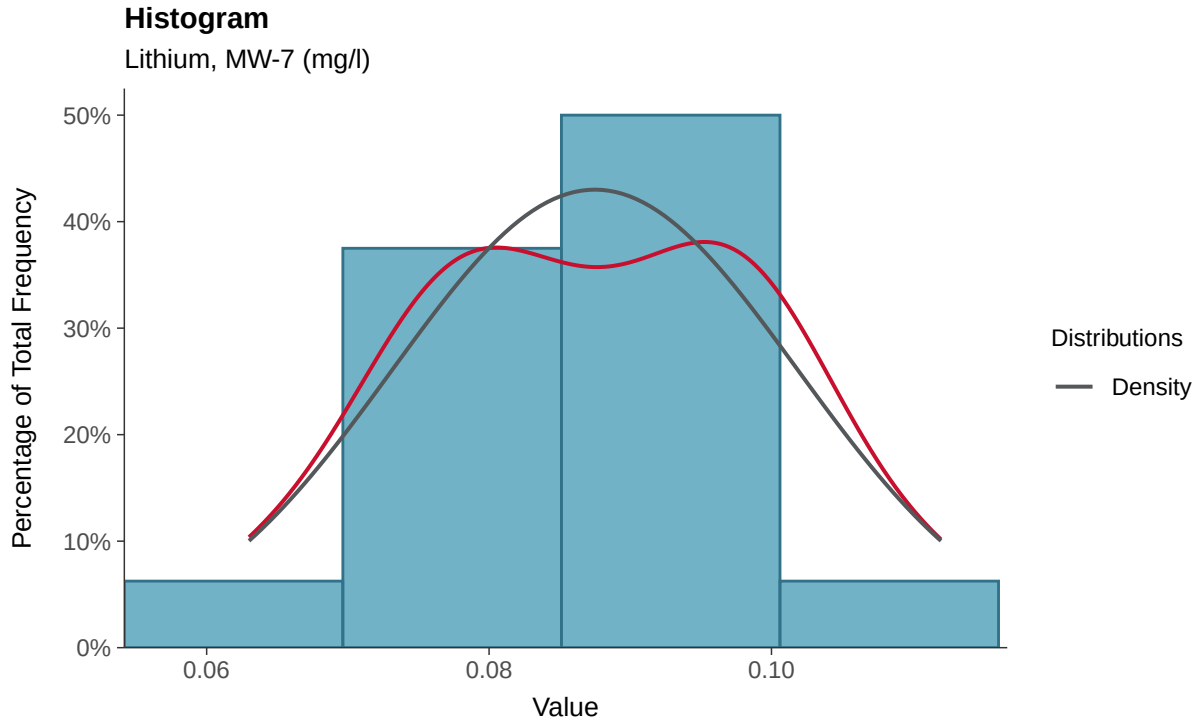
Lead, MW-7 (mg/l)



Appendix IV: Lithium, MW-7

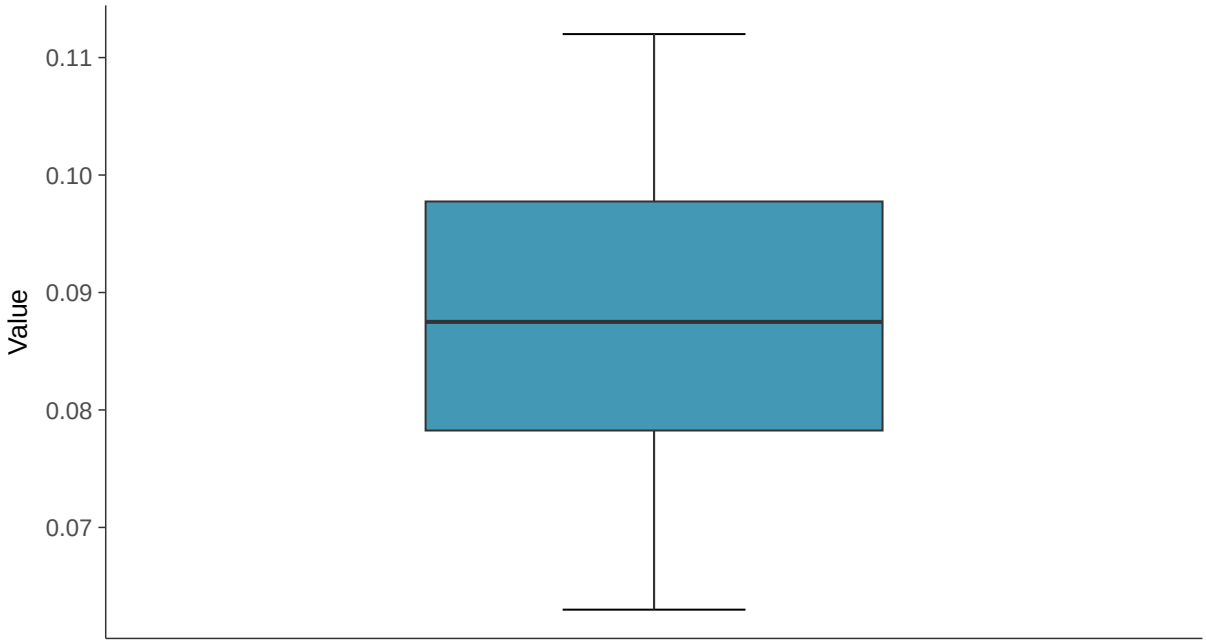
ID: 15_3_116





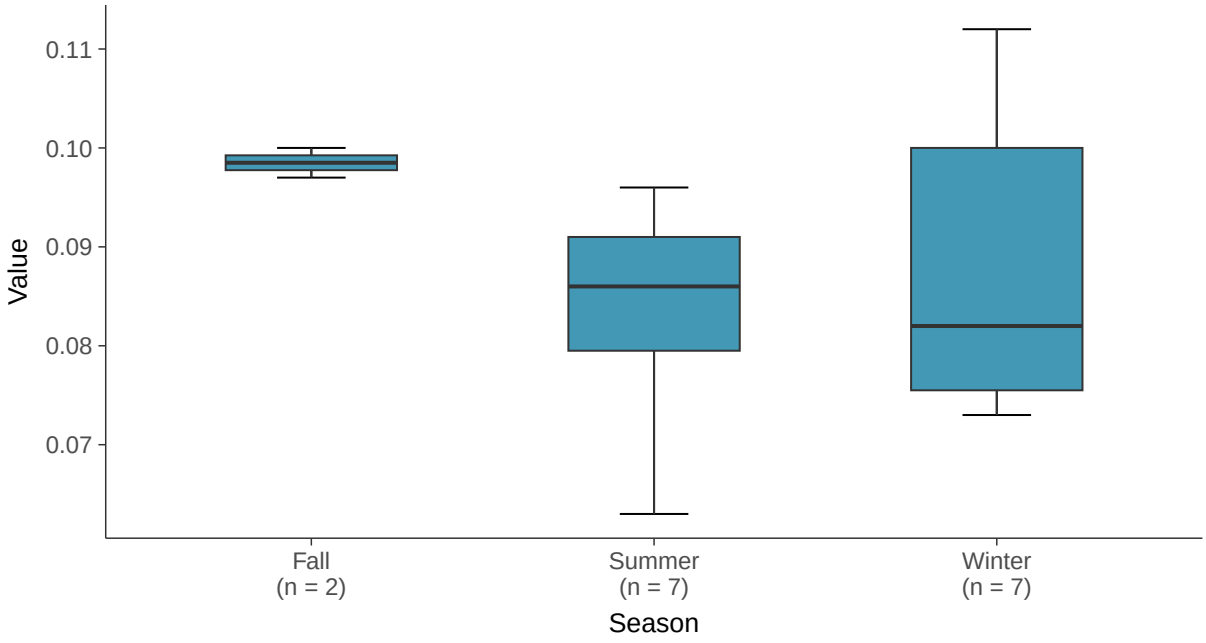
Boxplot

Lithium, MW-7 (mg/l)



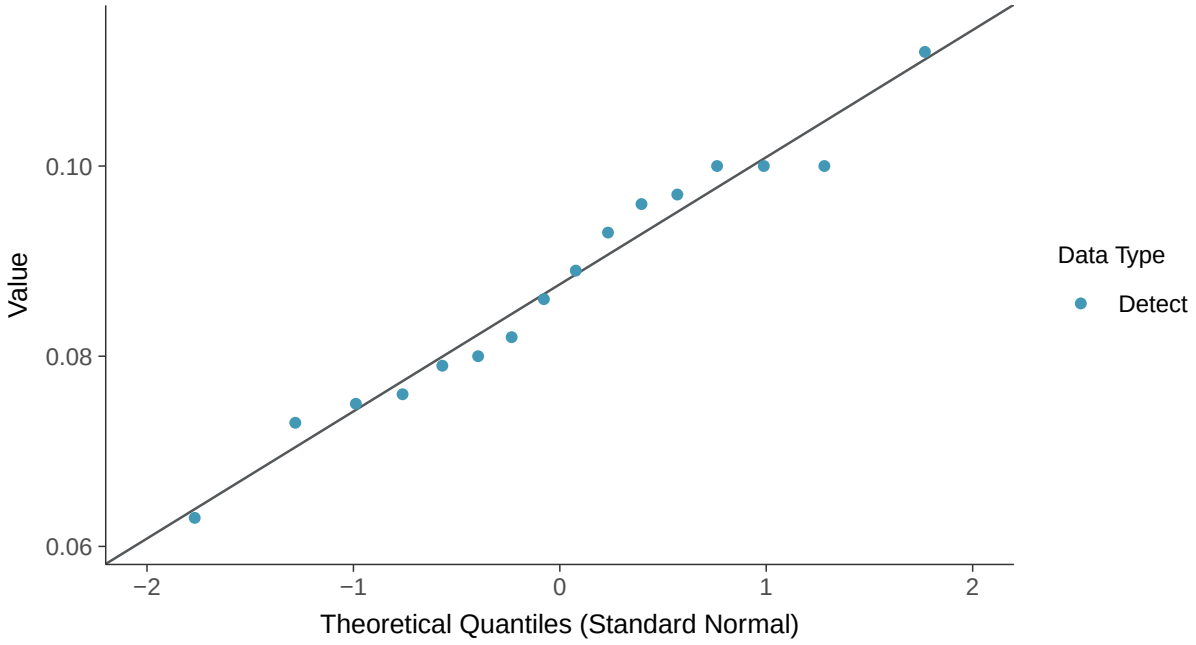
Boxplot by Season

Lithium, MW-7 (mg/l)



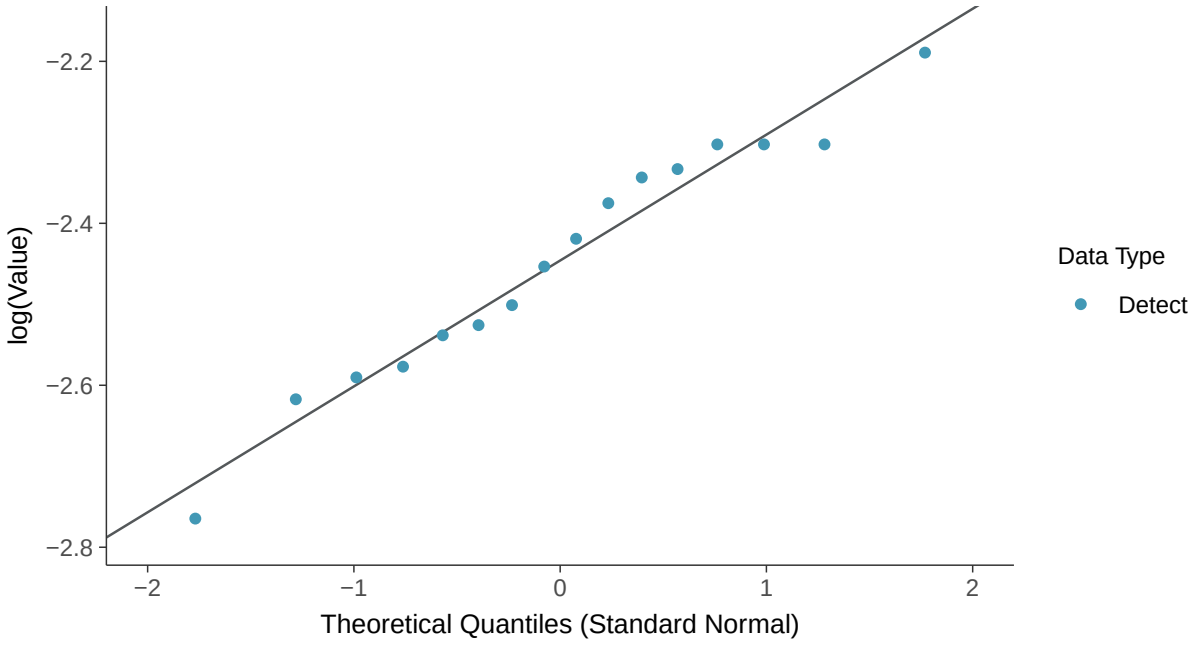
Normal Q-Q plot

Lithium, MW-7 (mg/l)



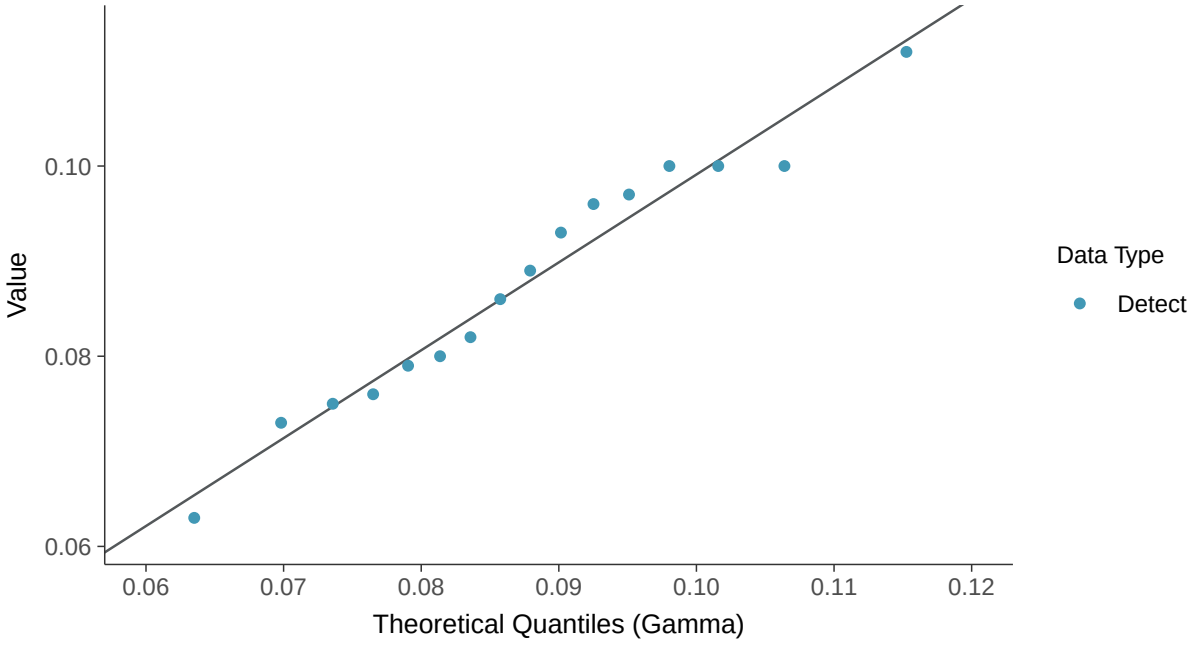
Lognormal Q-Q plot

Lithium, MW-7 (mg/l)



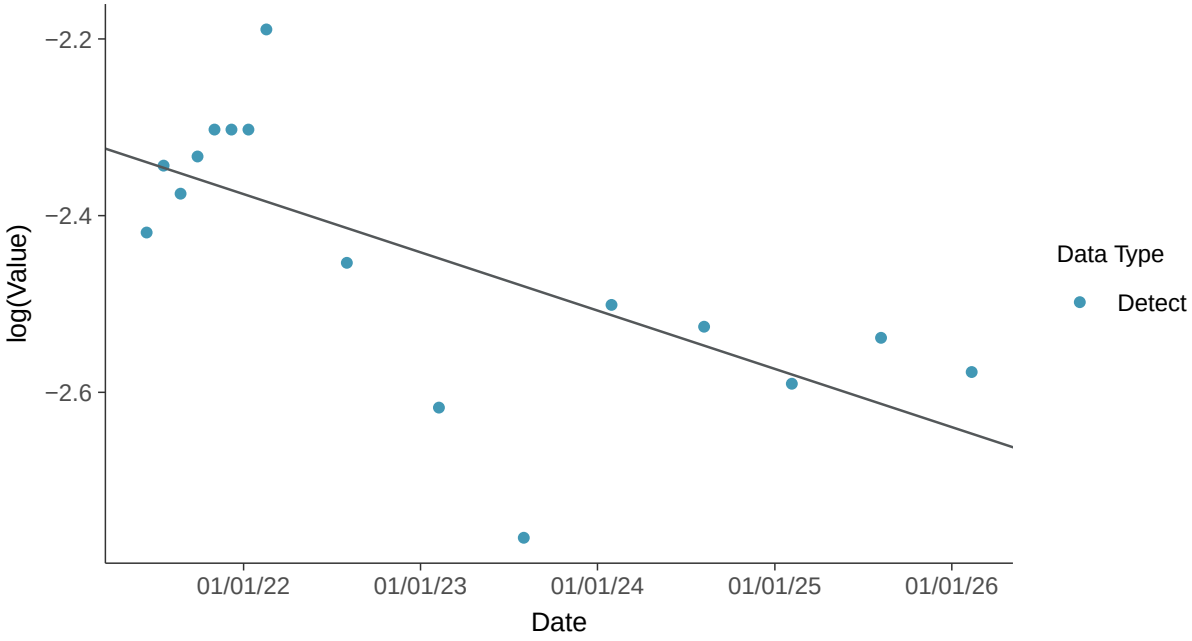
Gamma Q-Q plot

Lithium, MW-7 (mg/l)



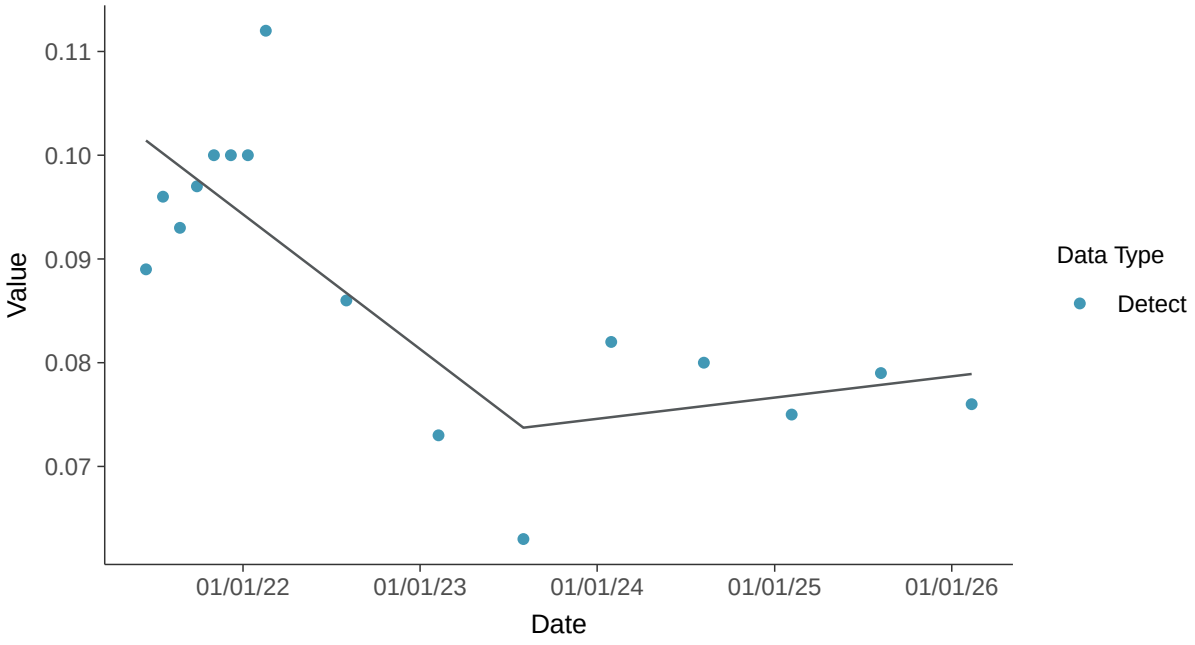
Trend Regression: Lognormal MLE

Lithium, MW-7 (mg/l)



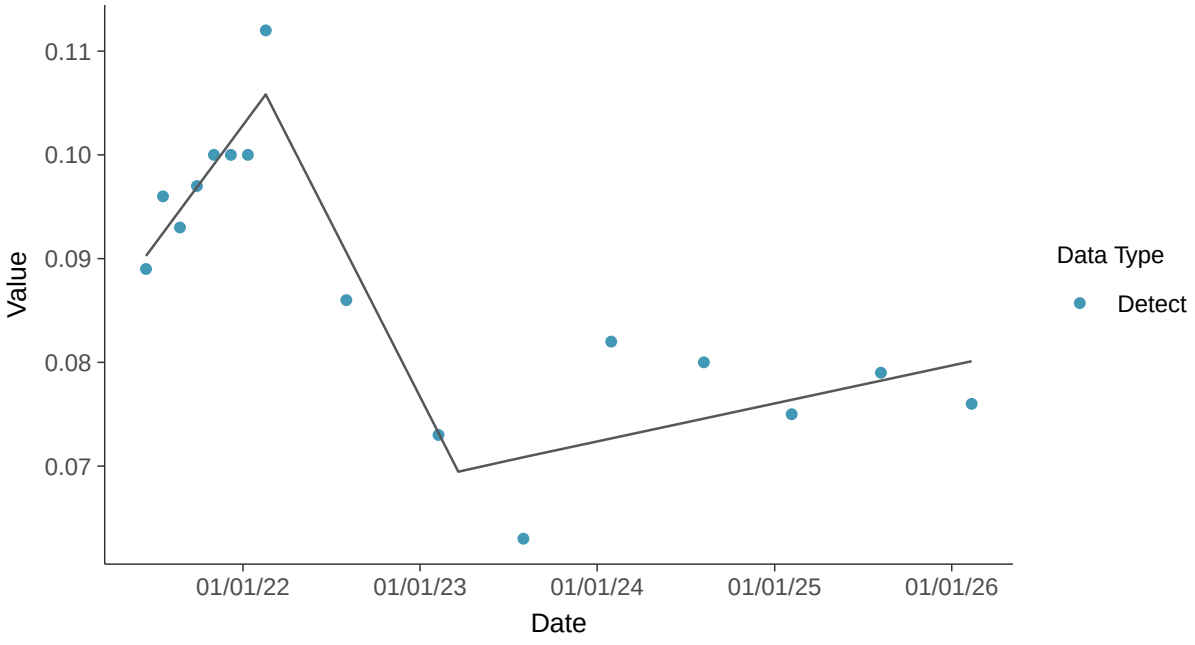
Trend Regression: Piecewise Linear-Linear

Lithium, MW-7 (mg/l)



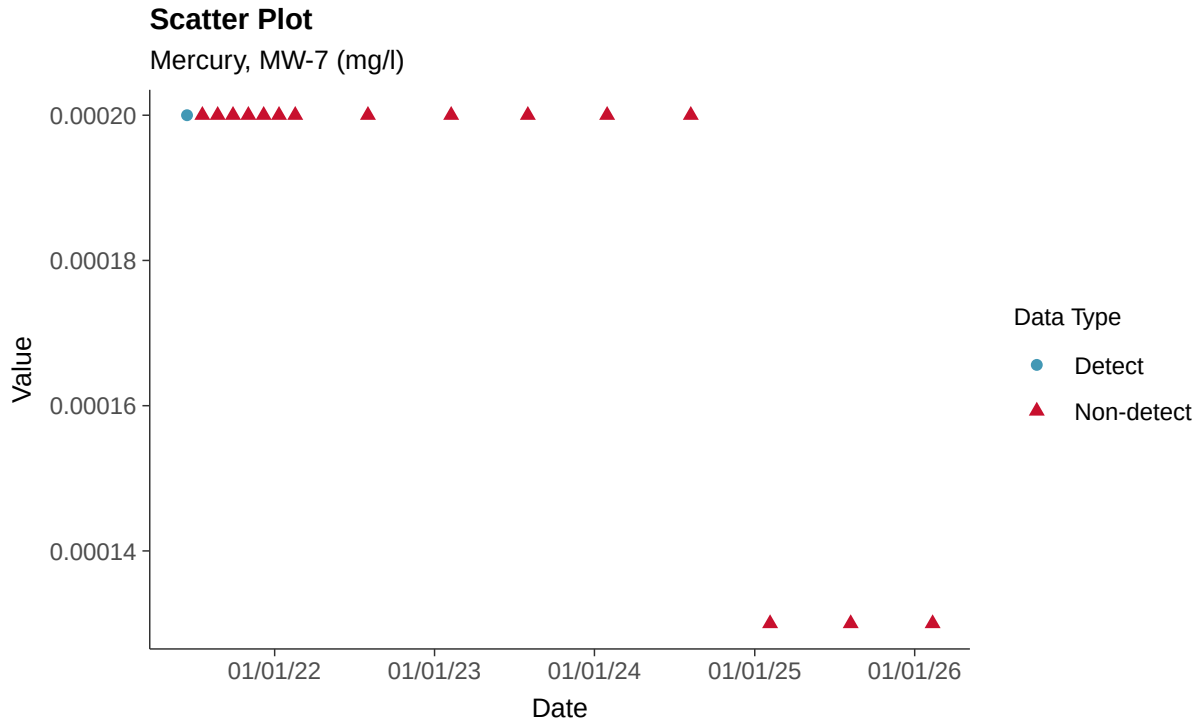
Trend Regression: Piecewise Linear-Linear-Linear

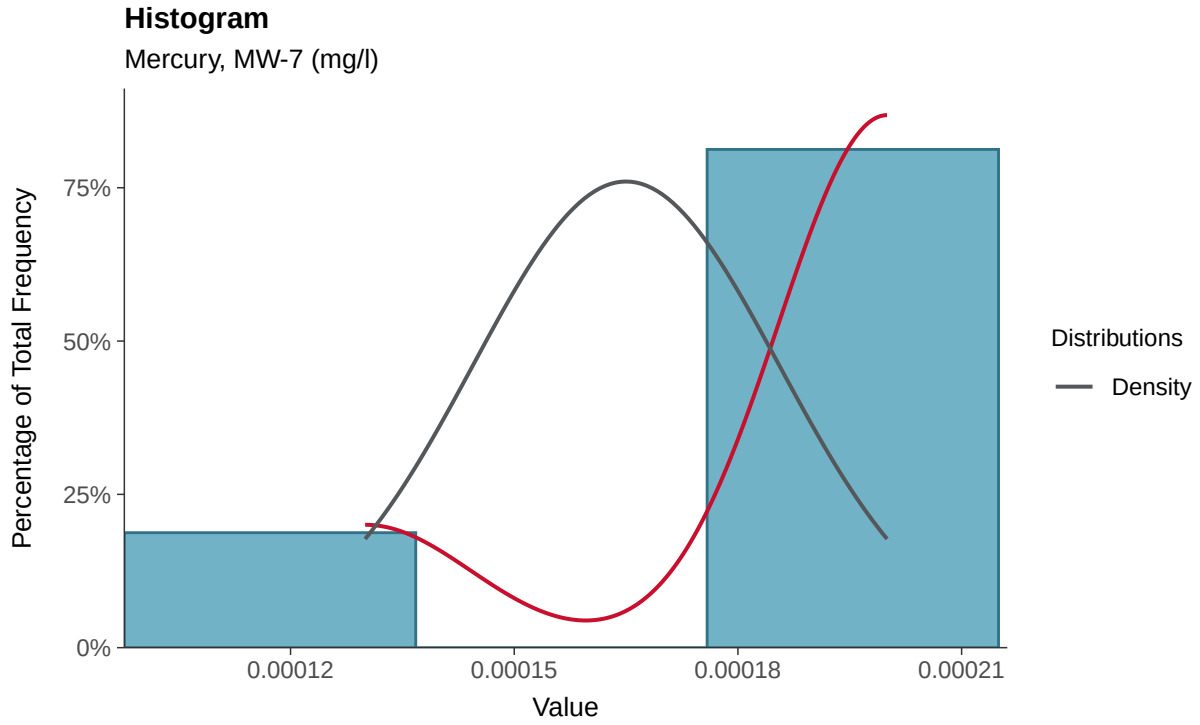
Lithium, MW-7 (mg/l)



Appendix IV: Mercury, MW-7

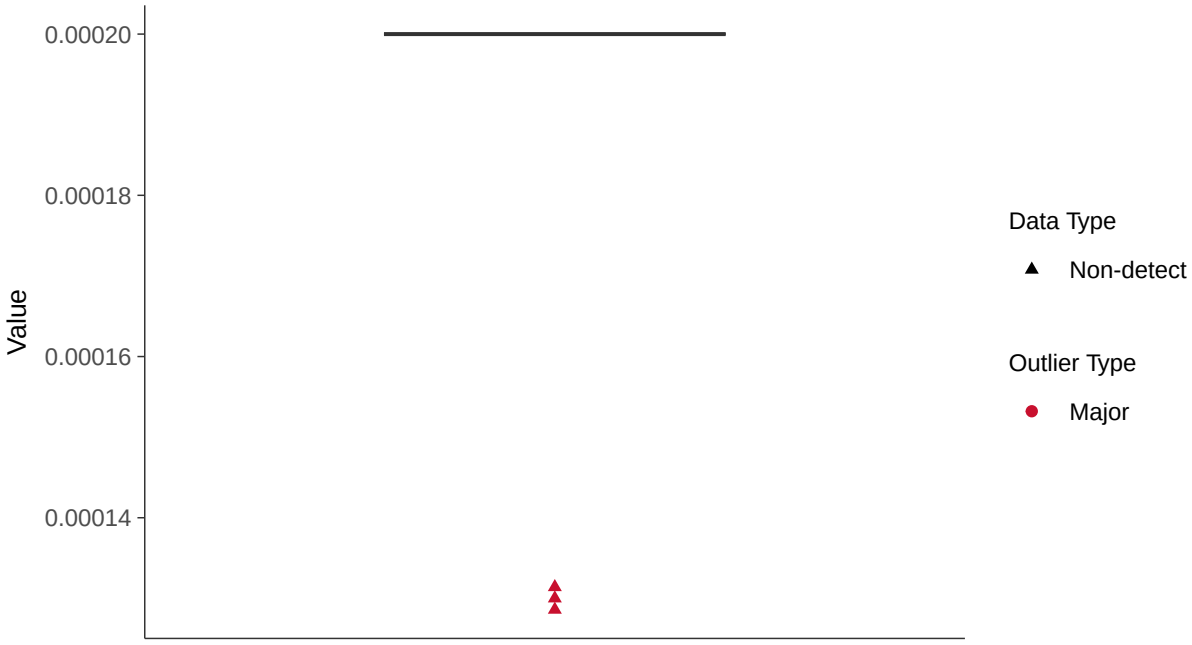
ID: 15_3_117





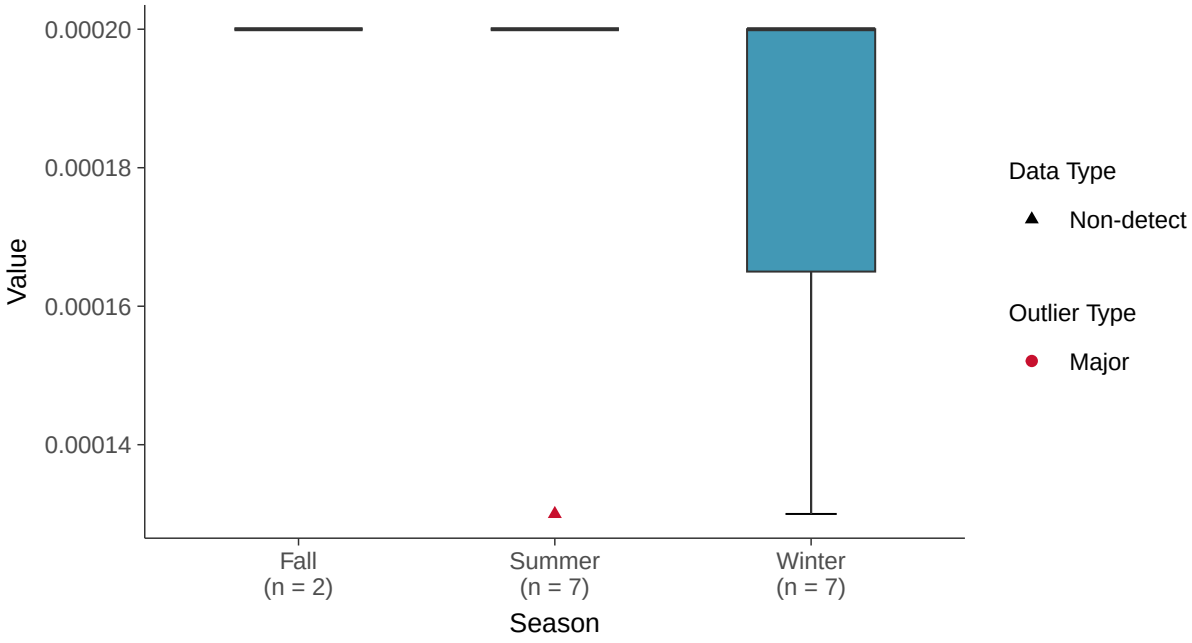
Boxplot

Mercury, MW-7 (mg/l)



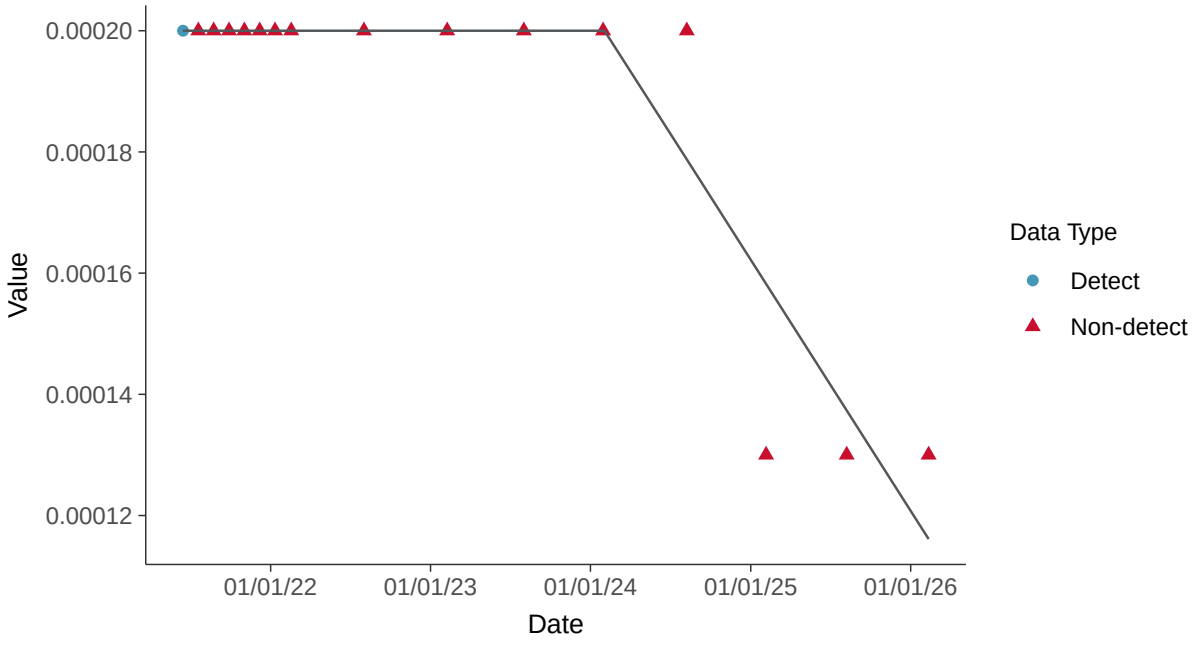
Boxplot by Season

Mercury, MW-7 (mg/l)



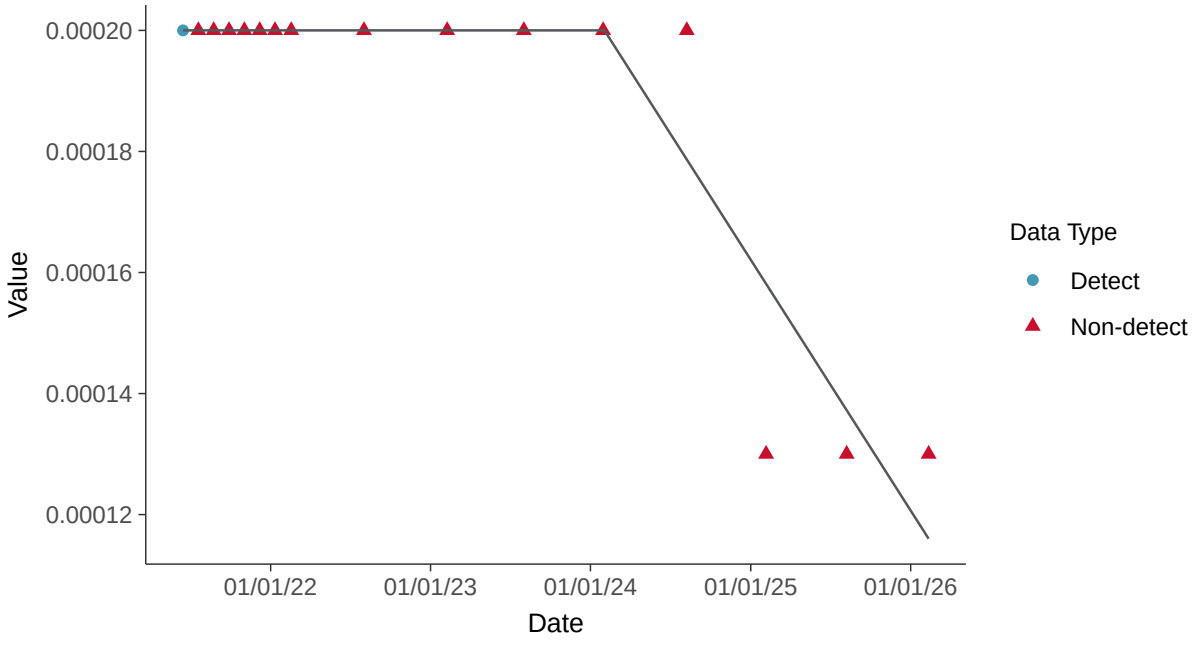
Trend Regression: Piecewise Linear-Linear

Mercury, MW-7 (mg/l)



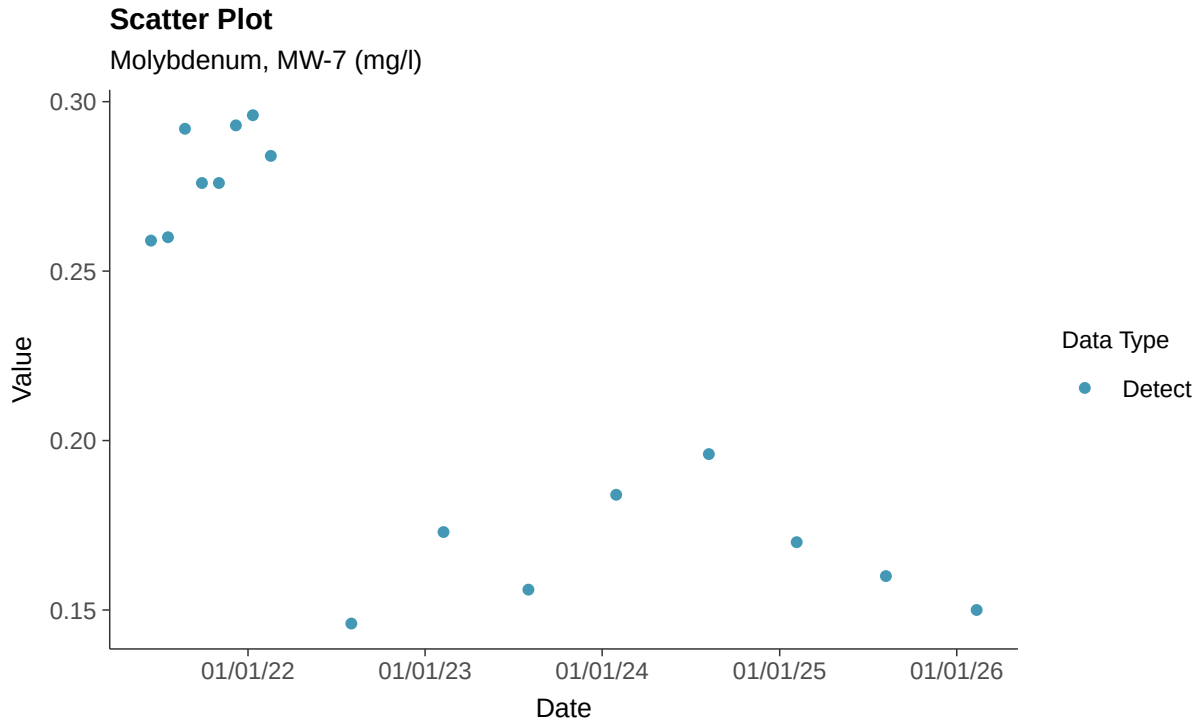
Trend Regression: Piecewise Linear-Linear-Linear

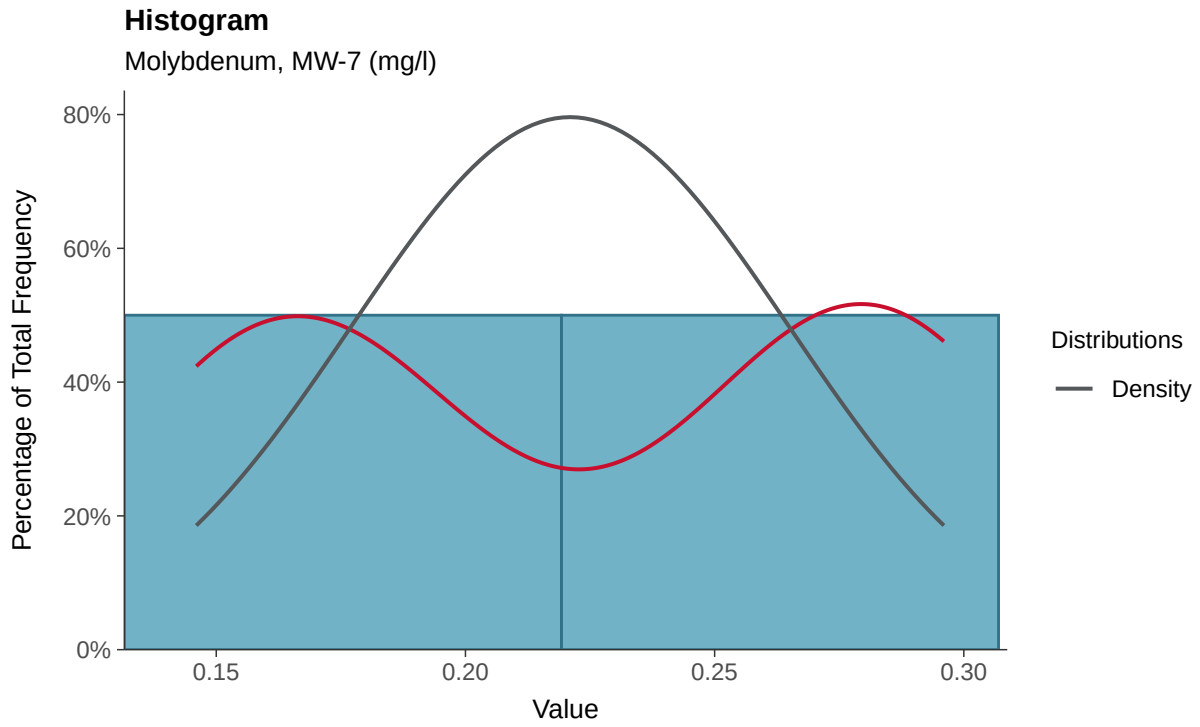
Mercury, MW-7 (mg/l)



Appendix IV: Molybdenum, MW-7

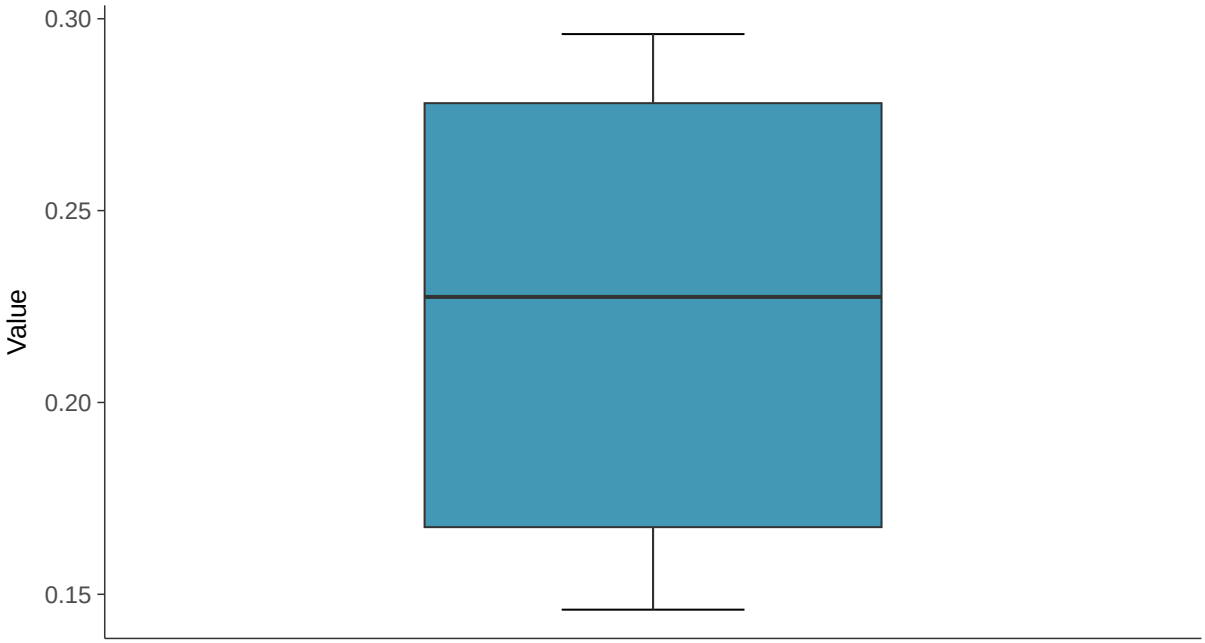
ID: 15_3_118





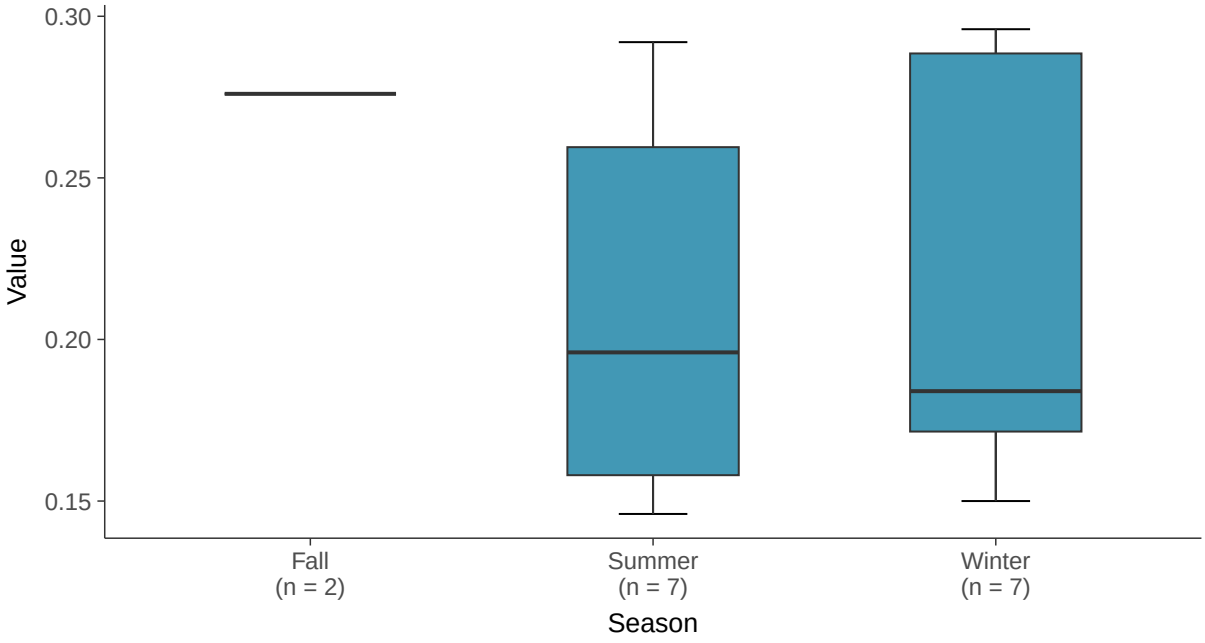
Boxplot

Molybdenum, MW-7 (mg/l)



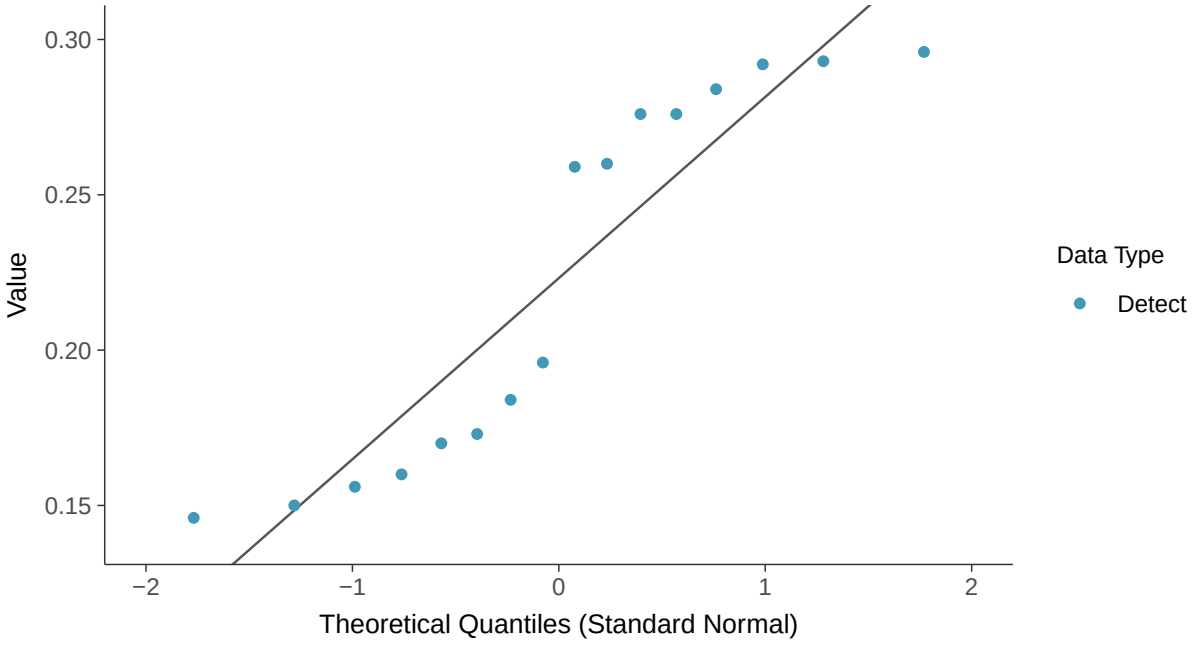
Boxplot by Season

Molybdenum, MW-7 (mg/l)



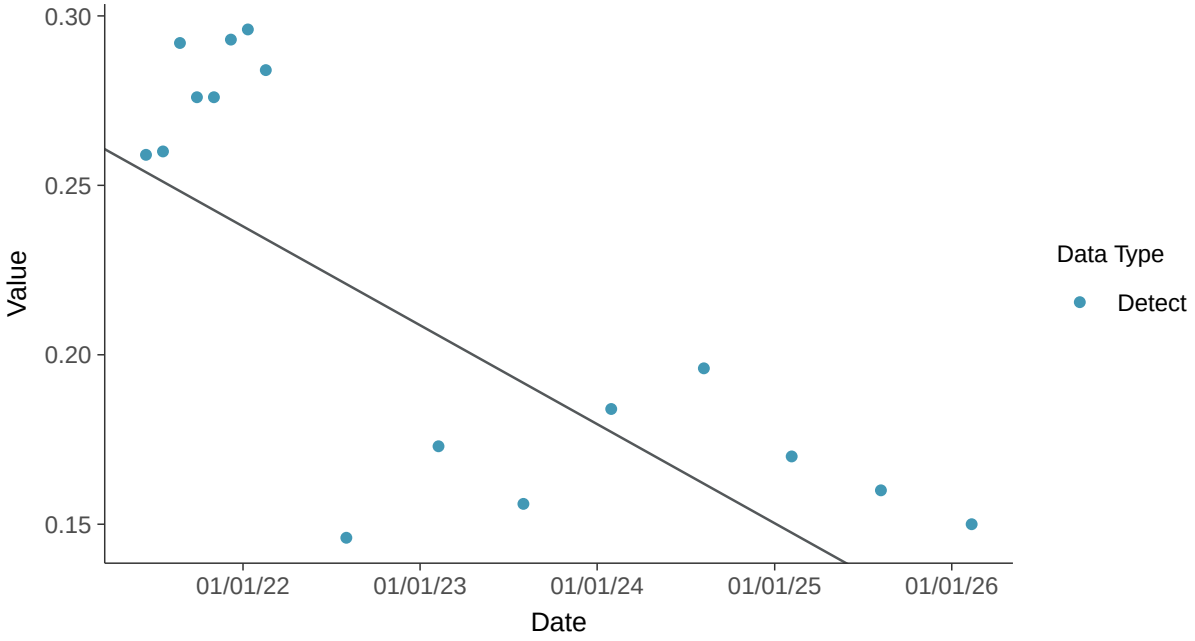
Normal Q-Q plot

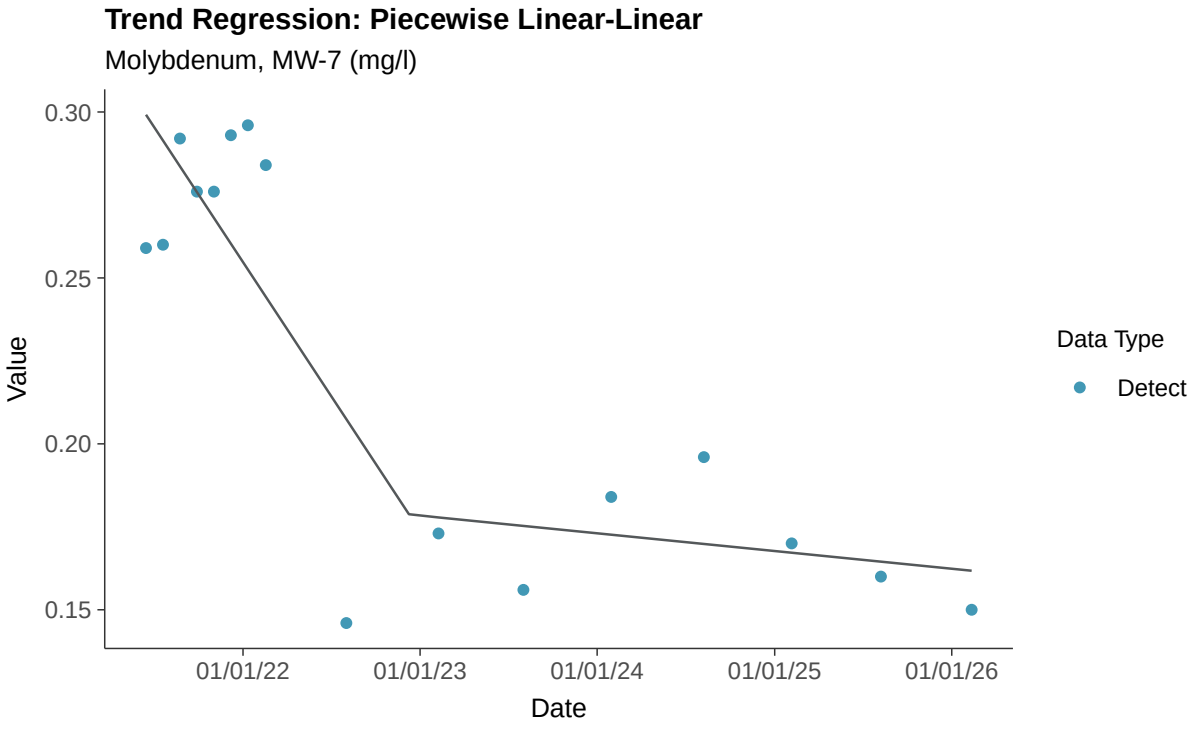
Molybdenum, MW-7 (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

Molybdenum, MW-7 (mg/l)



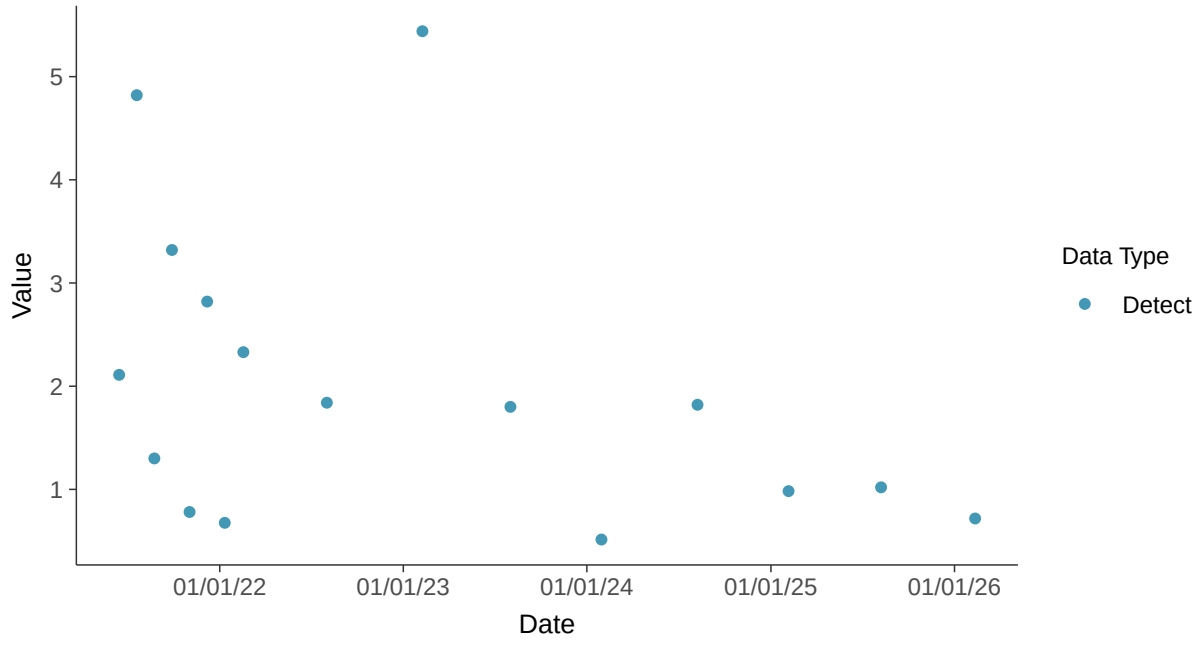

Trend Regression: Piecewise Linear-Linear
Molybdenum, MW-7 (mg/l)
Value
0.30
0.25
0.20
0.15
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Radium-226+228, MW-7

ID: 15_3_121

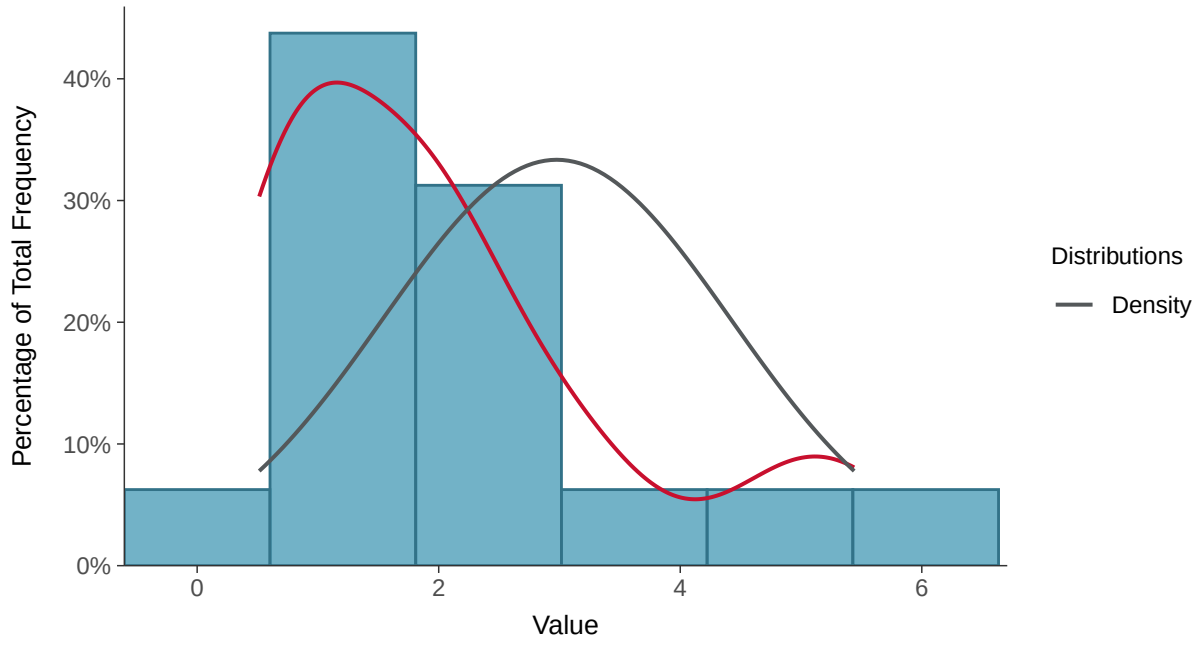
Scatter Plot

Radium-226+228, MW-7 (pci/l)



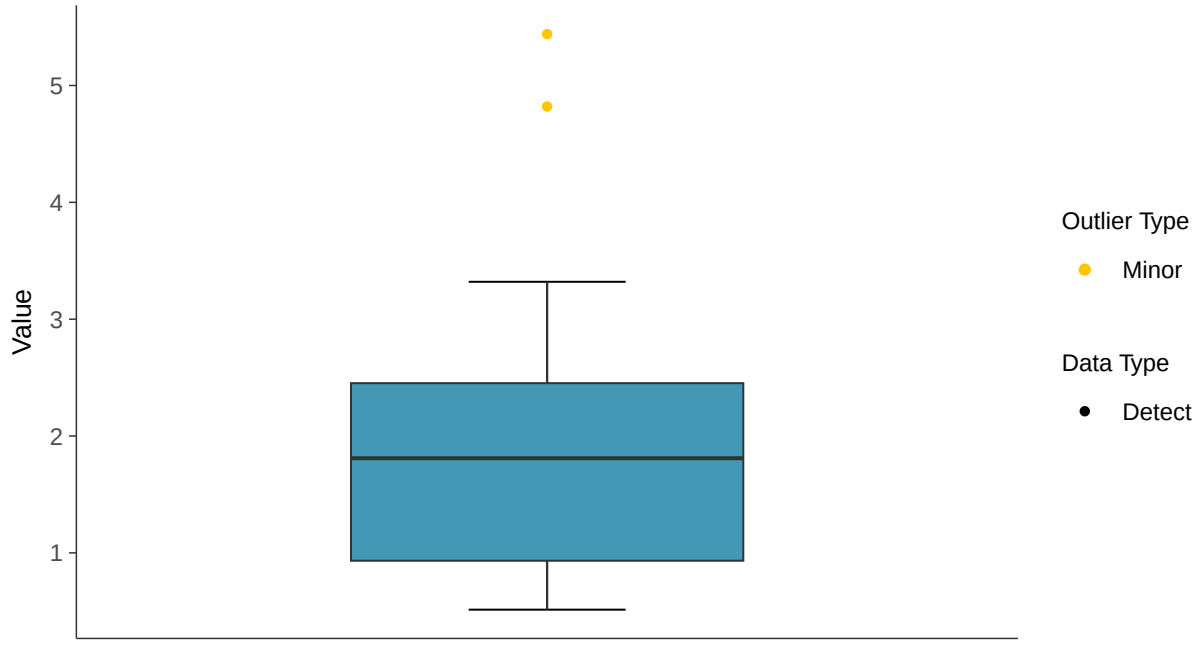
Histogram

Radium-226+228, MW-7 (pci/l)



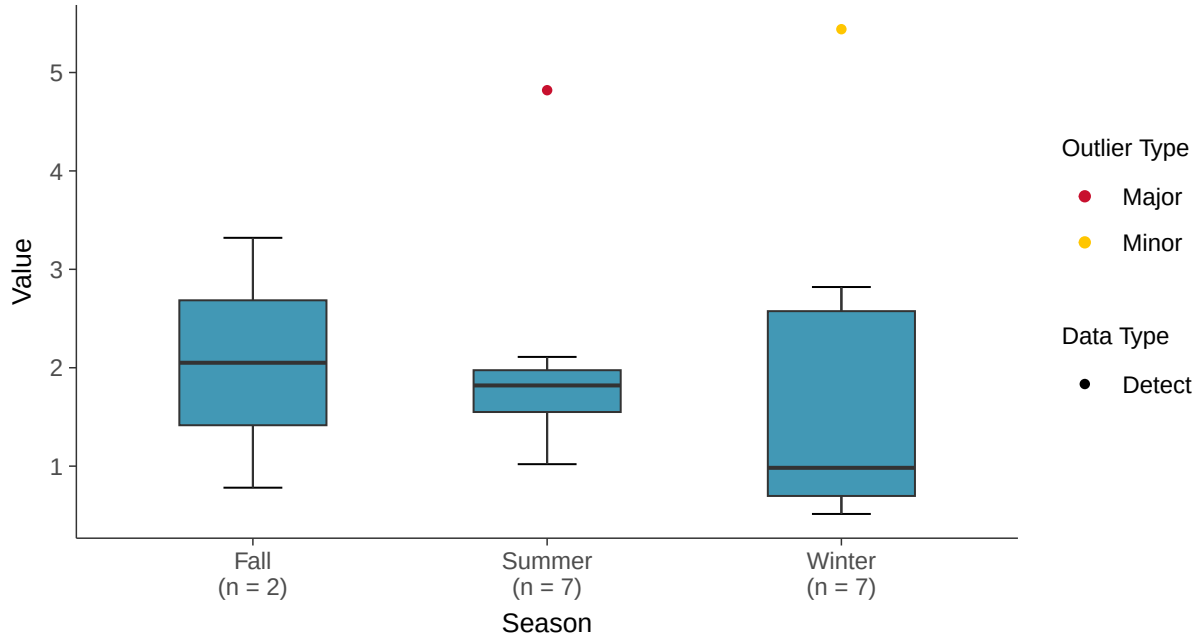
Boxplot

Radium-226+228, MW-7 (pci/l)



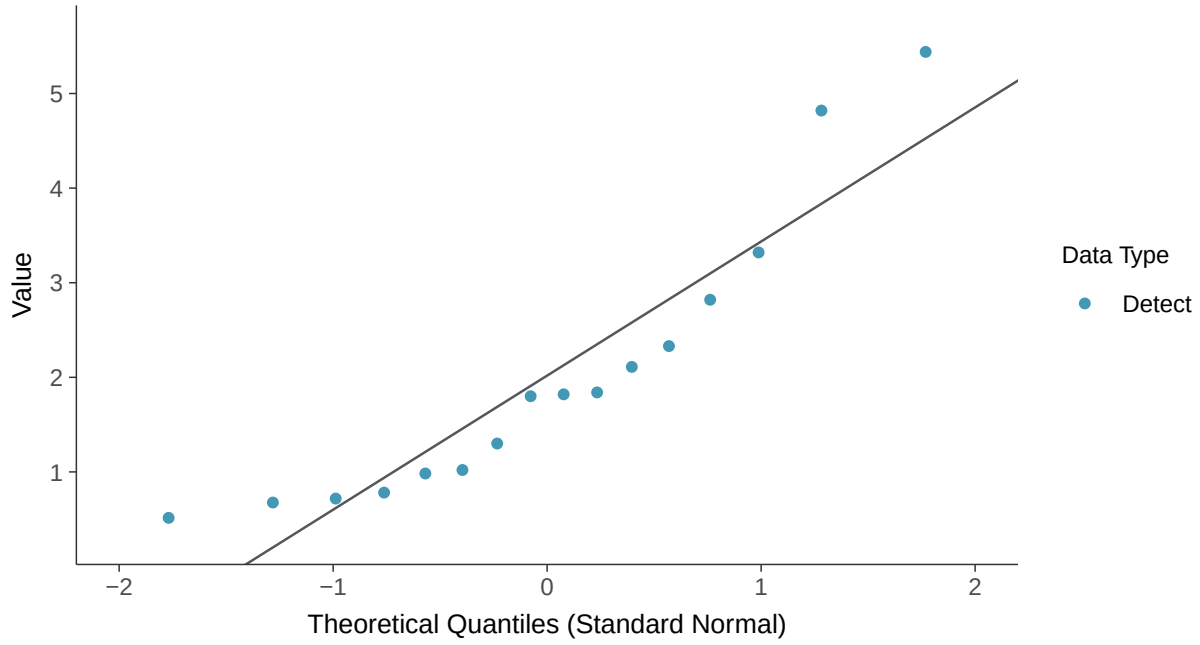
Boxplot by Season

Radium-226+228, MW-7 (pci/l)



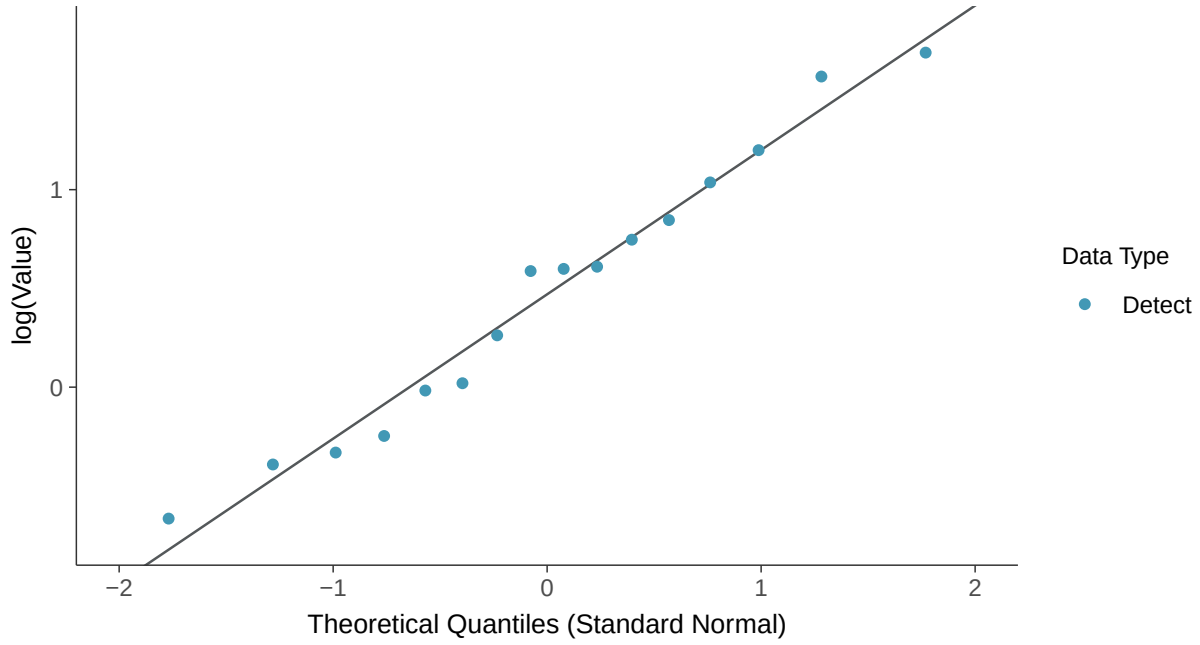
Normal Q-Q plot

Radium-226+228, MW-7 (pci/l)



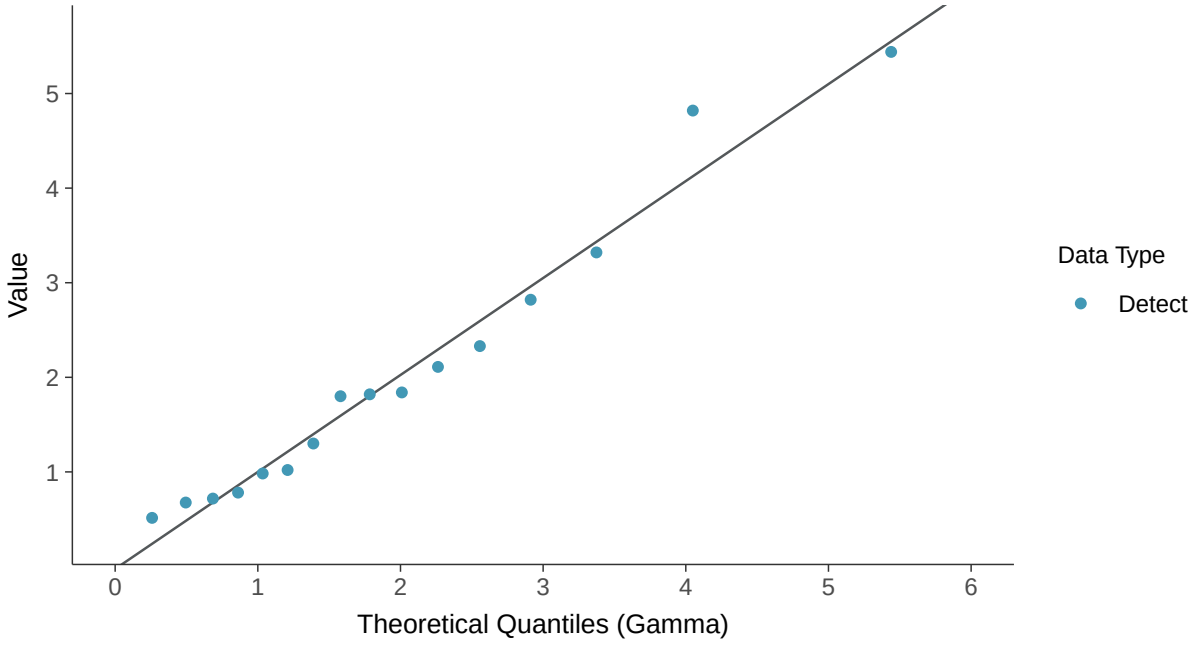
Lognormal Q-Q plot

Radium-226+228, MW-7 (pci/l)



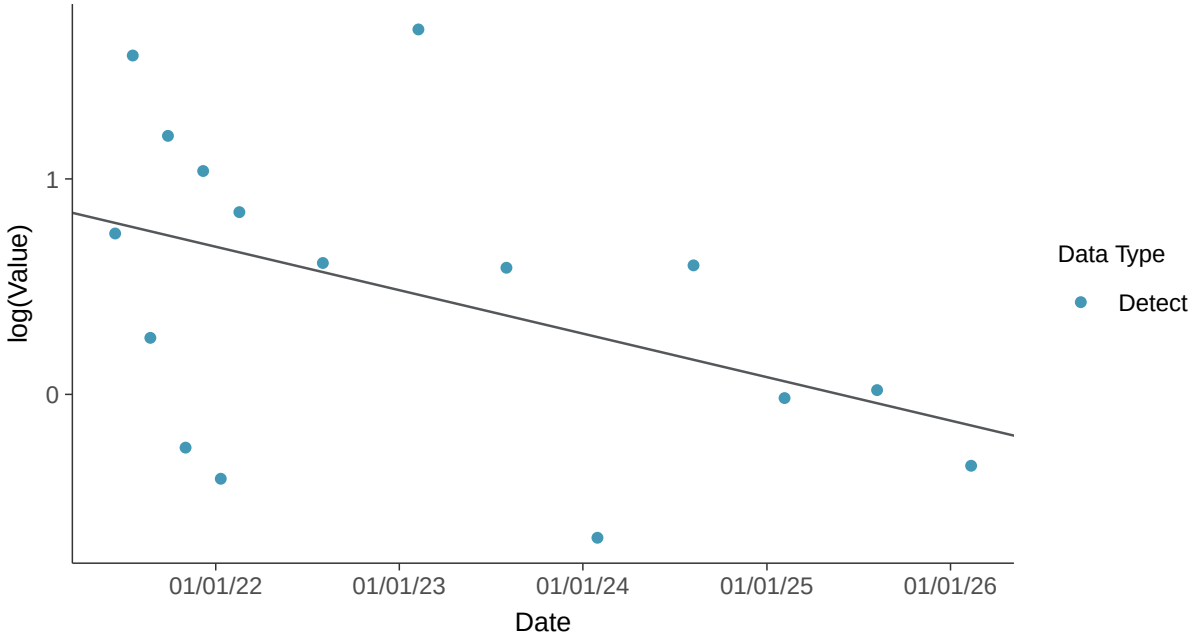
Gamma Q-Q plot

Radium-226+228, MW-7 (pci/l)



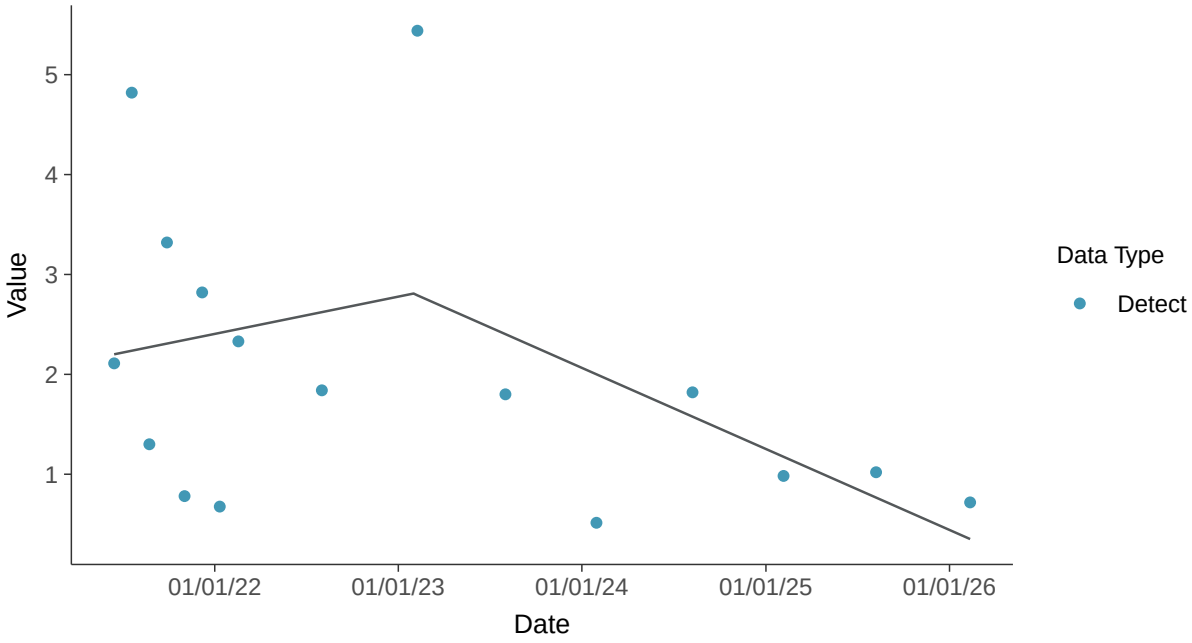
Trend Regression: Lognormal MLE

Radium-226+228, MW-7 (pci/l)



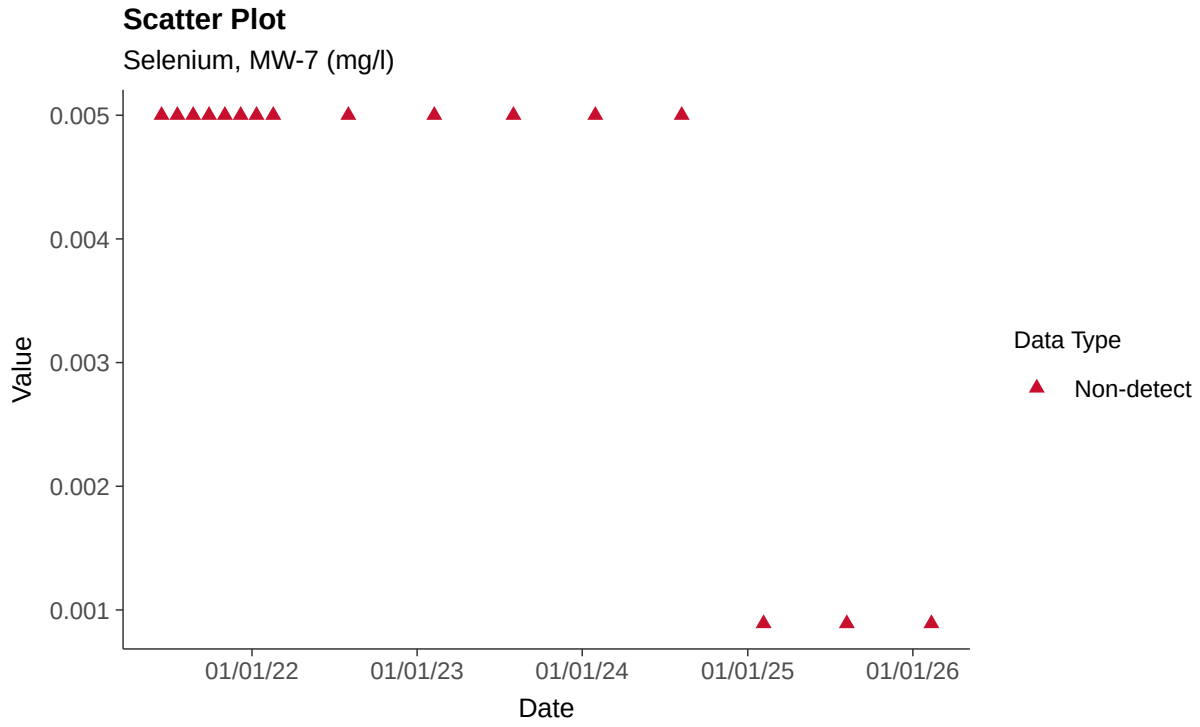
Trend Regression: Piecewise Linear-Linear

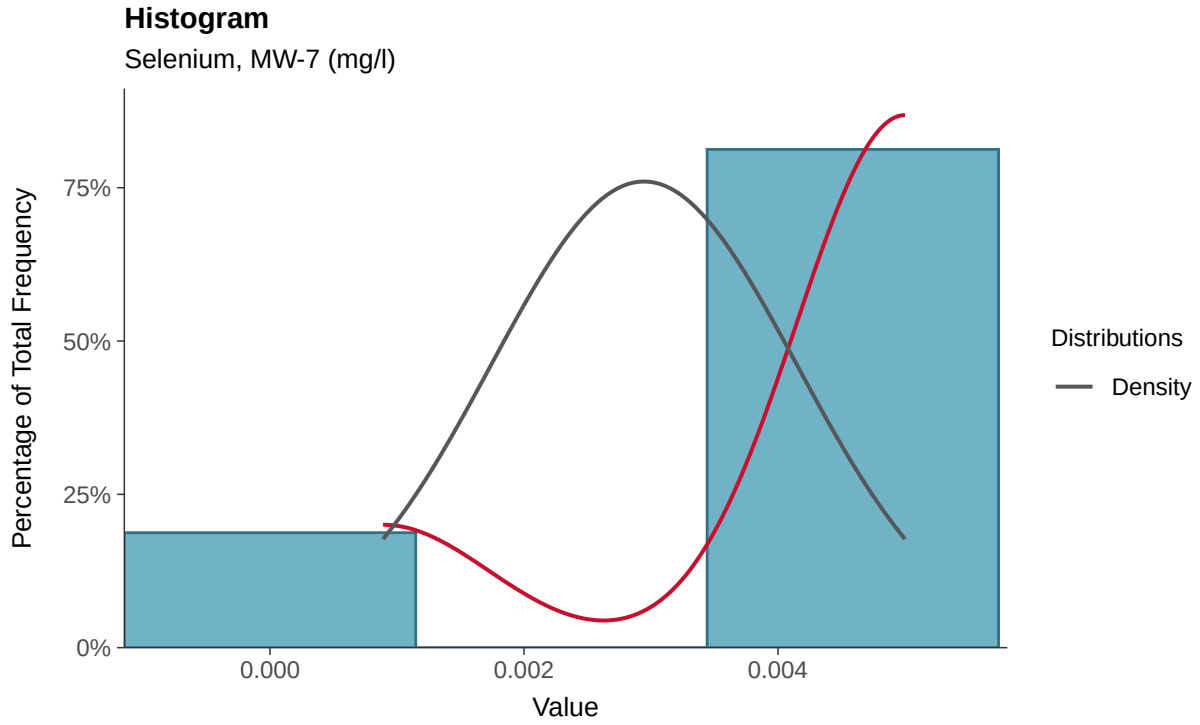
Radium-226+228, MW-7 (pci/l)



Appendix IV: Selenium, MW-7

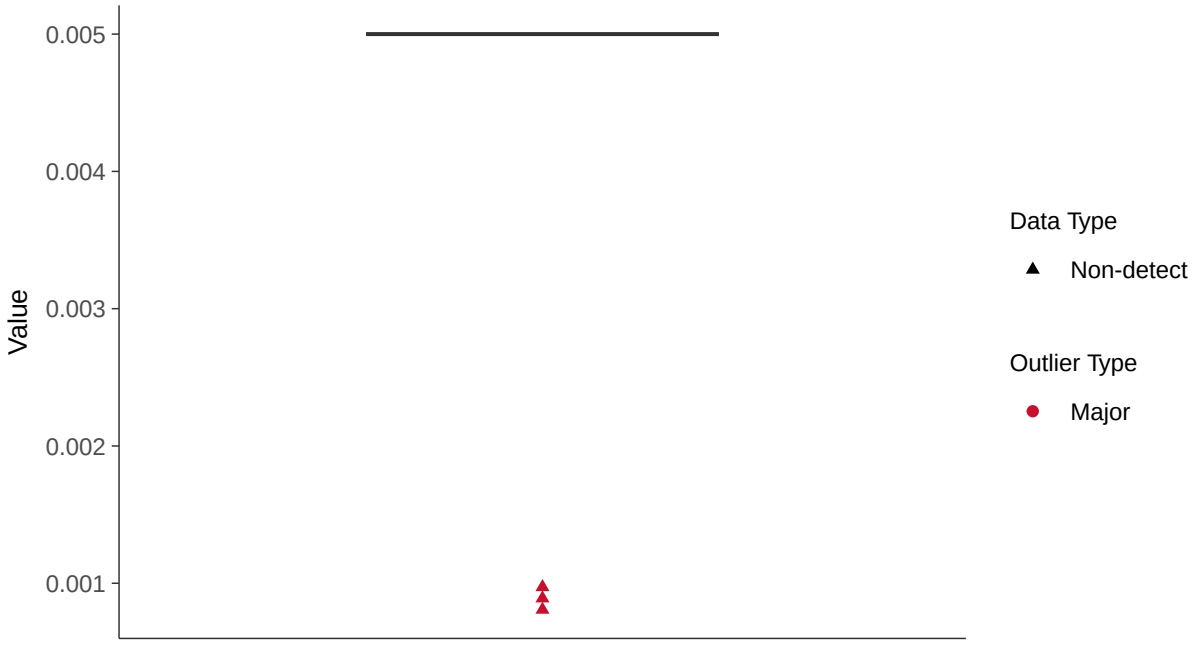
ID: 15_3_122





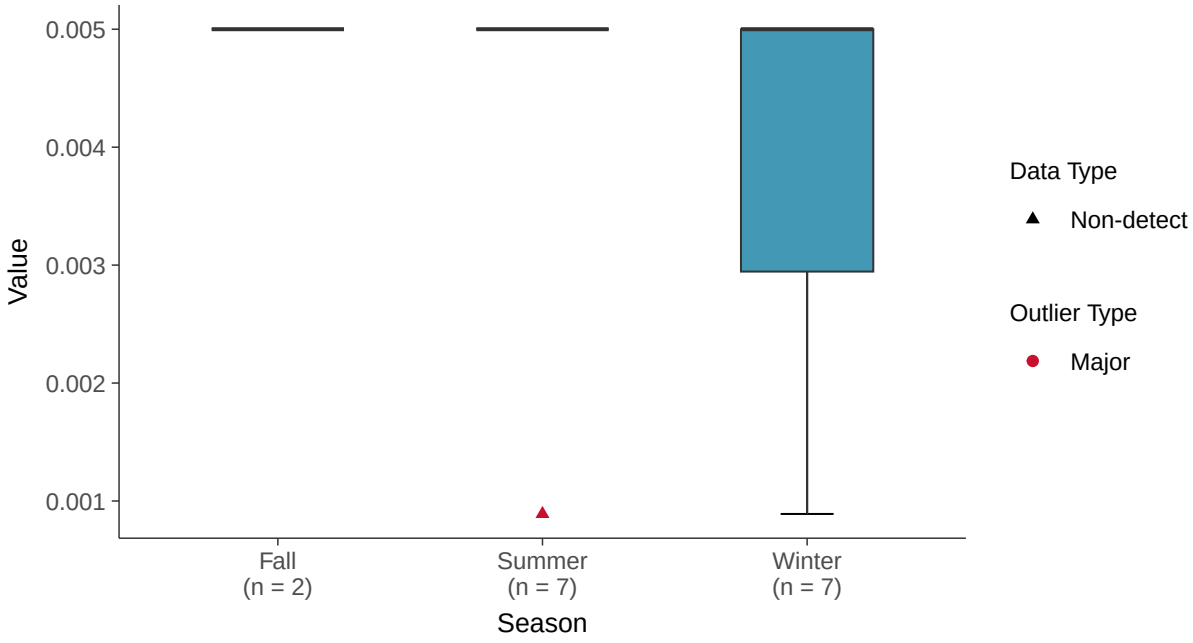
Boxplot

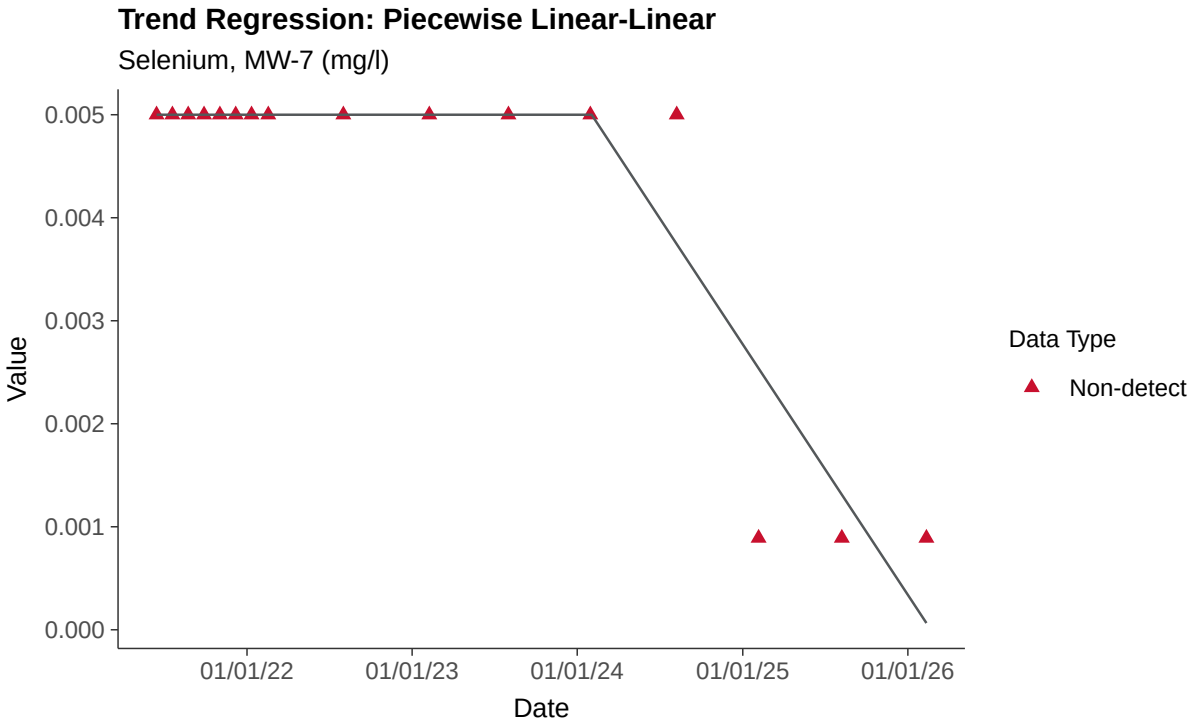
Selenium, MW-7 (mg/l)



Boxplot by Season

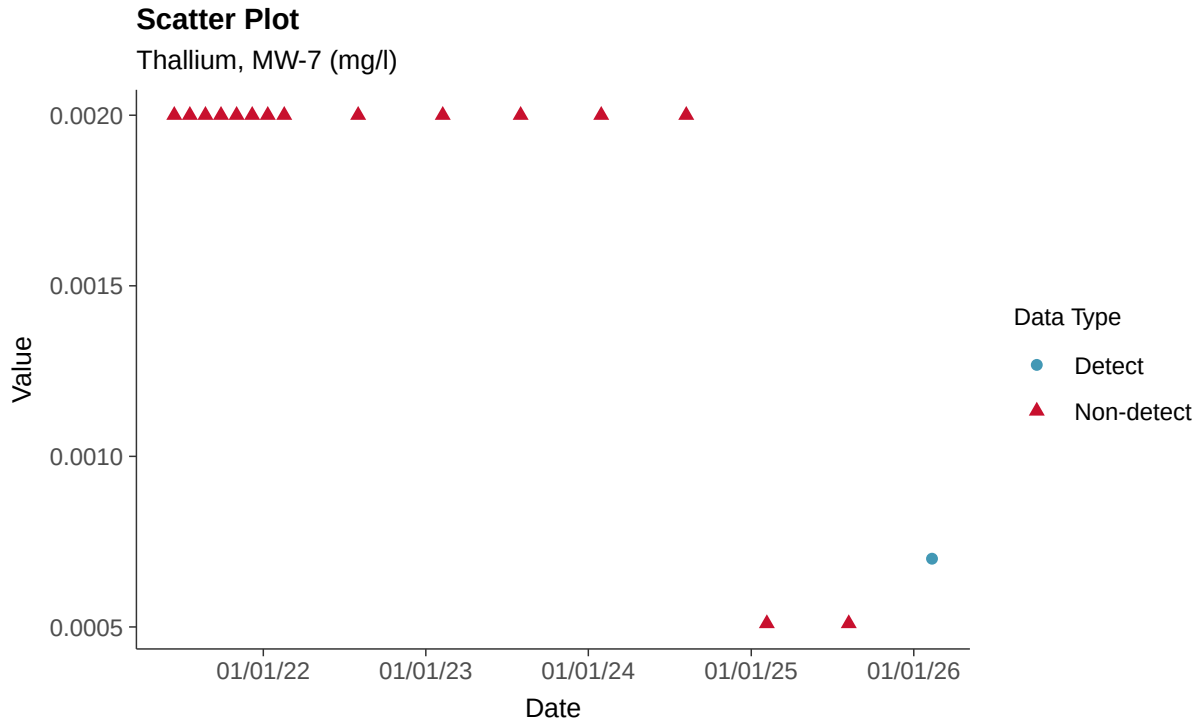
Selenium, MW-7 (mg/l)

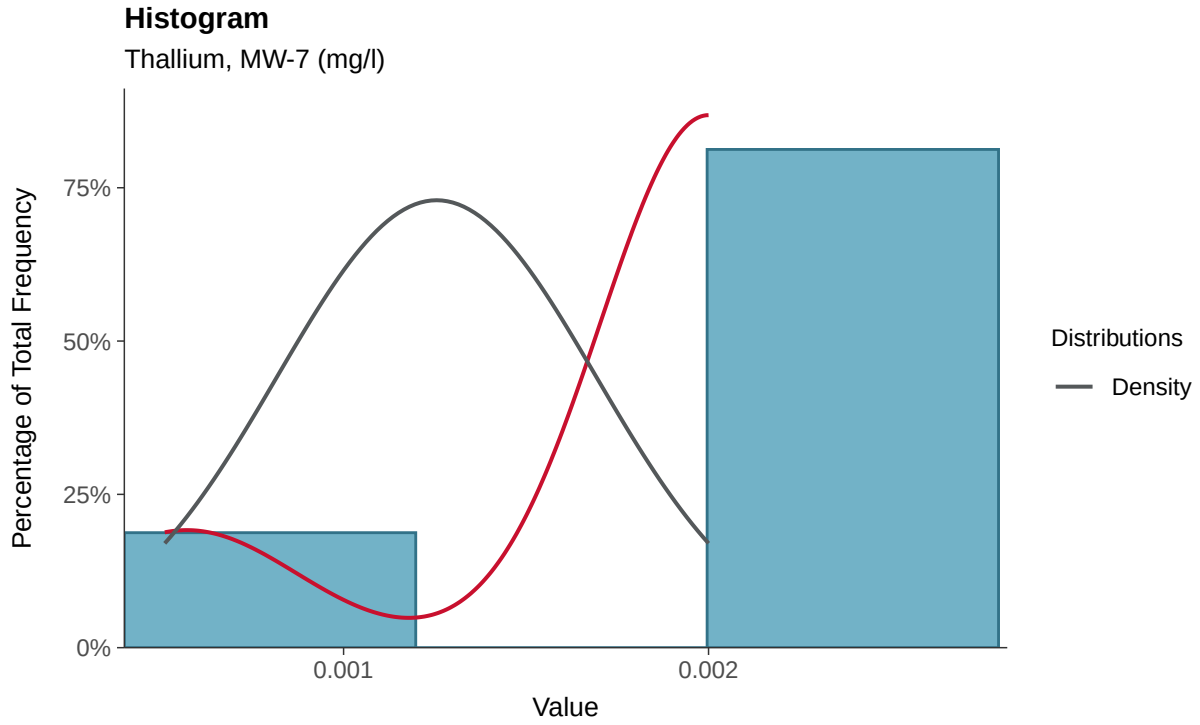



Trend Regression: Piecewise Linear-Linear
Selenium, MW-7 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-7

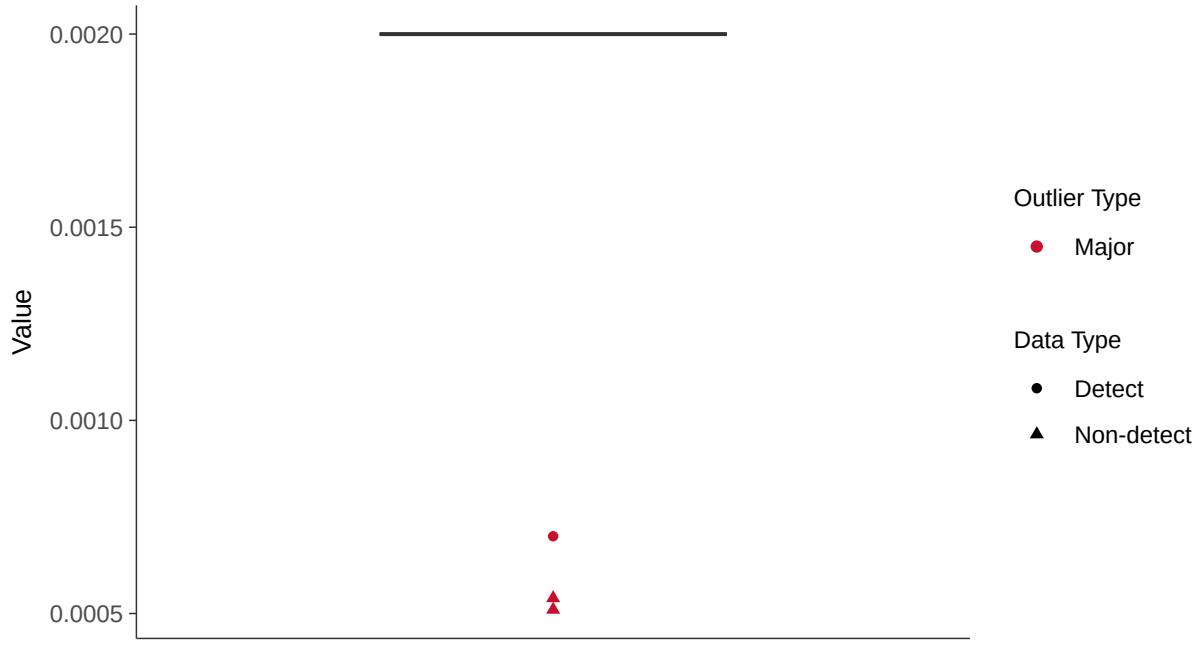
ID: 15_3_125





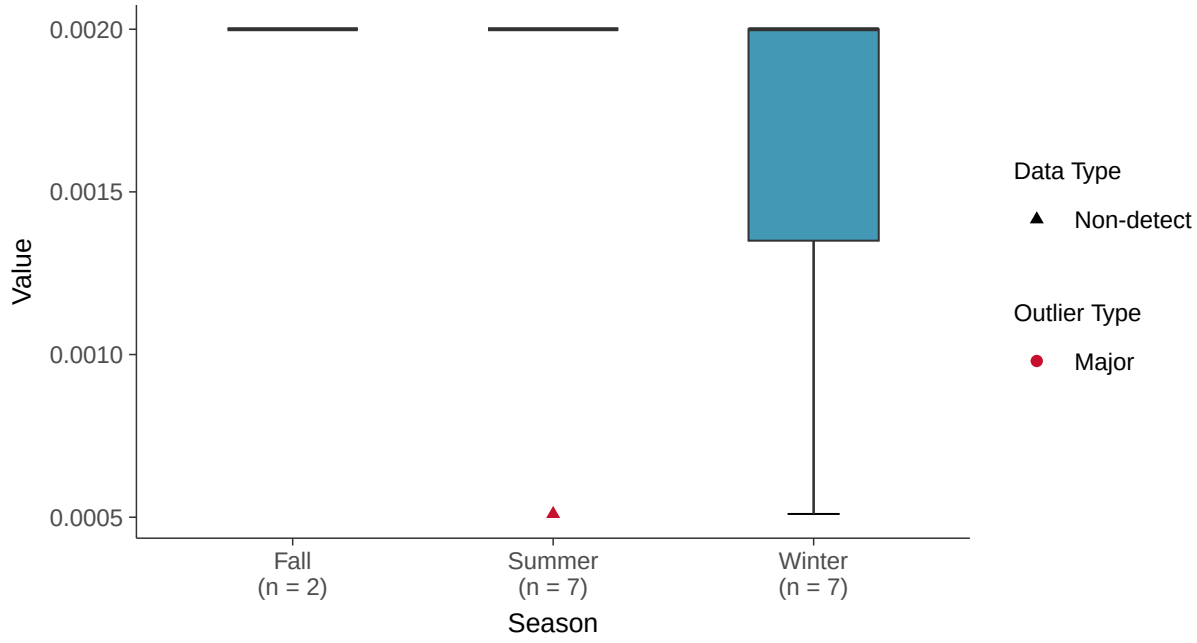
Boxplot

Thallium, MW-7 (mg/l)



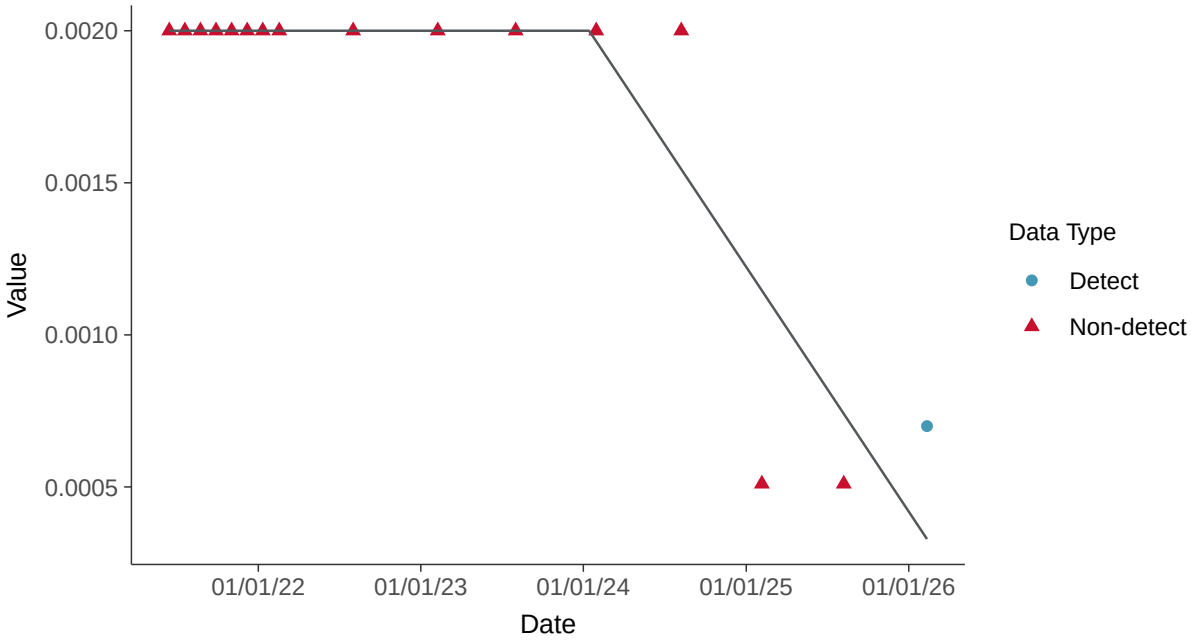
Boxplot by Season

Thallium, MW-7 (mg/l)



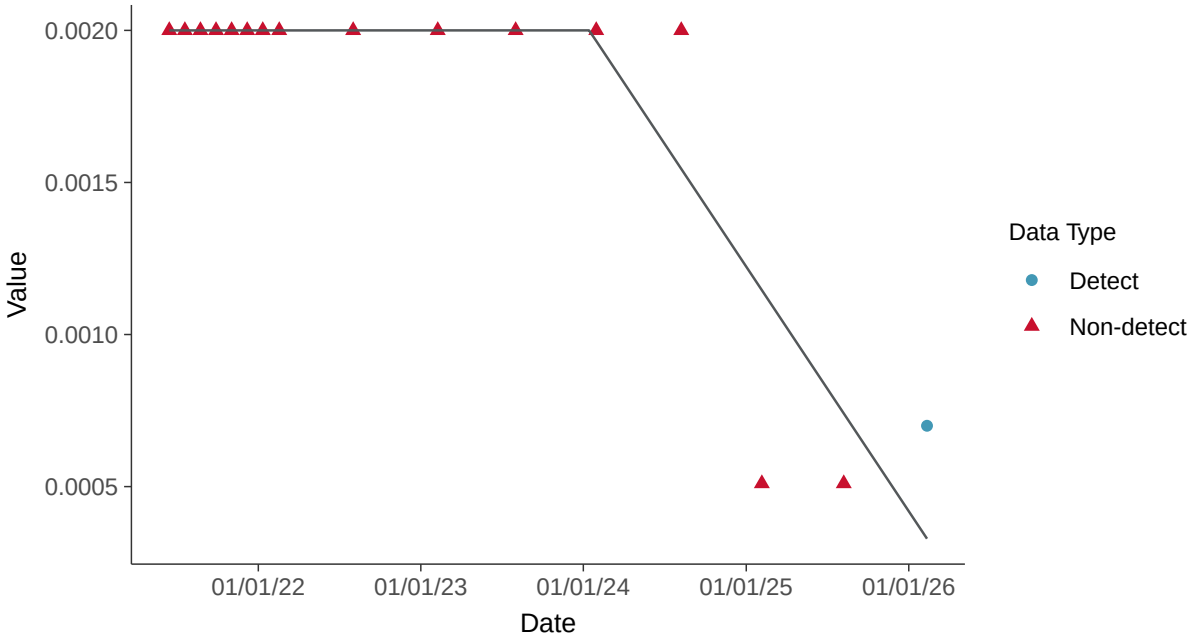
Trend Regression: Piecewise Linear-Linear

Thallium, MW-7 (mg/l)



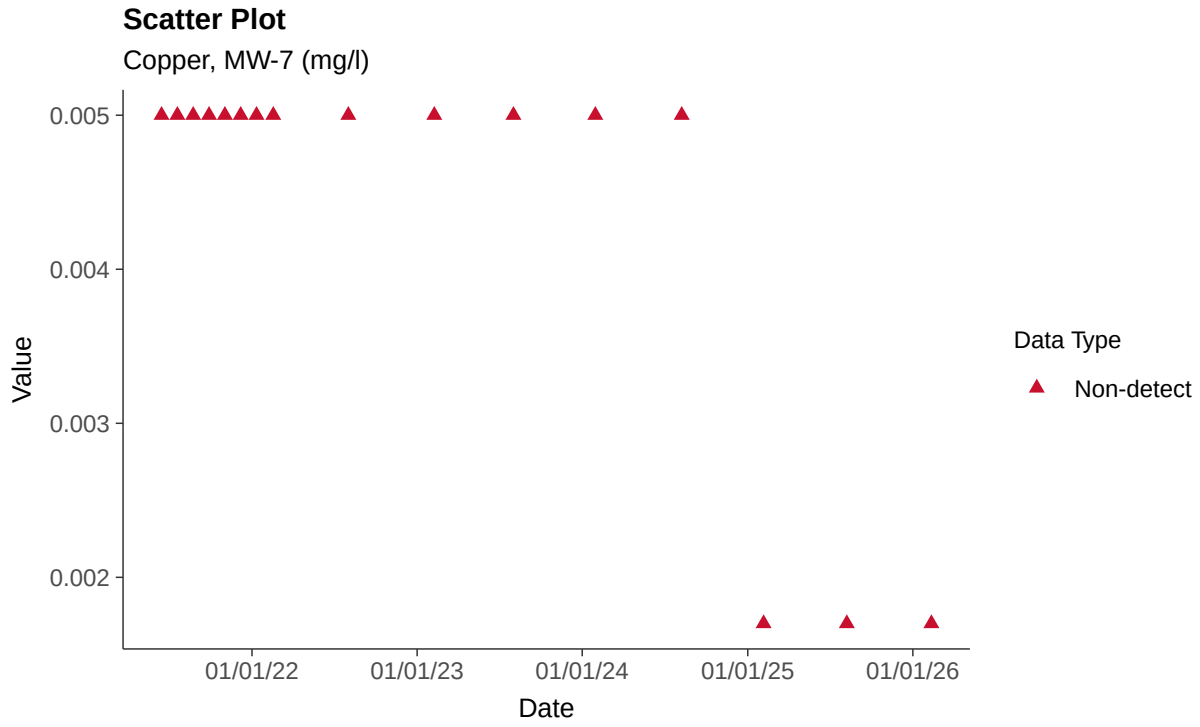
Trend Regression: Piecewise Linear-Linear-Linear

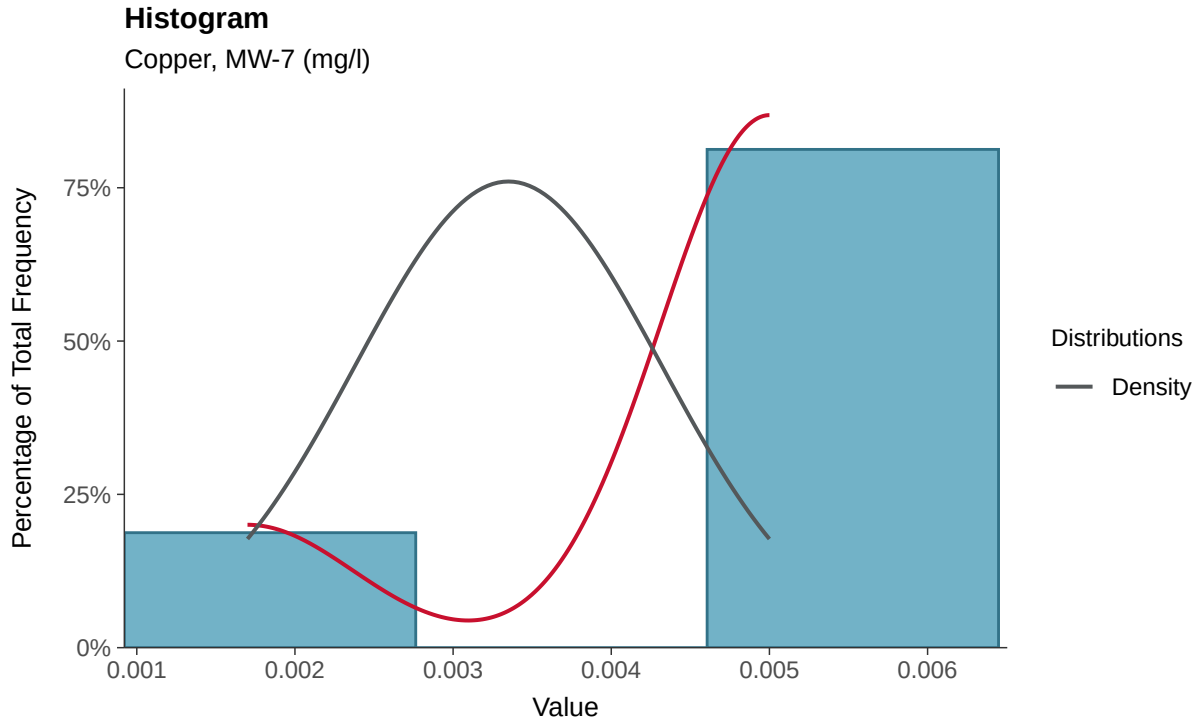
Thallium, MW-7 (mg/l)



Part 115: Copper, MW-7

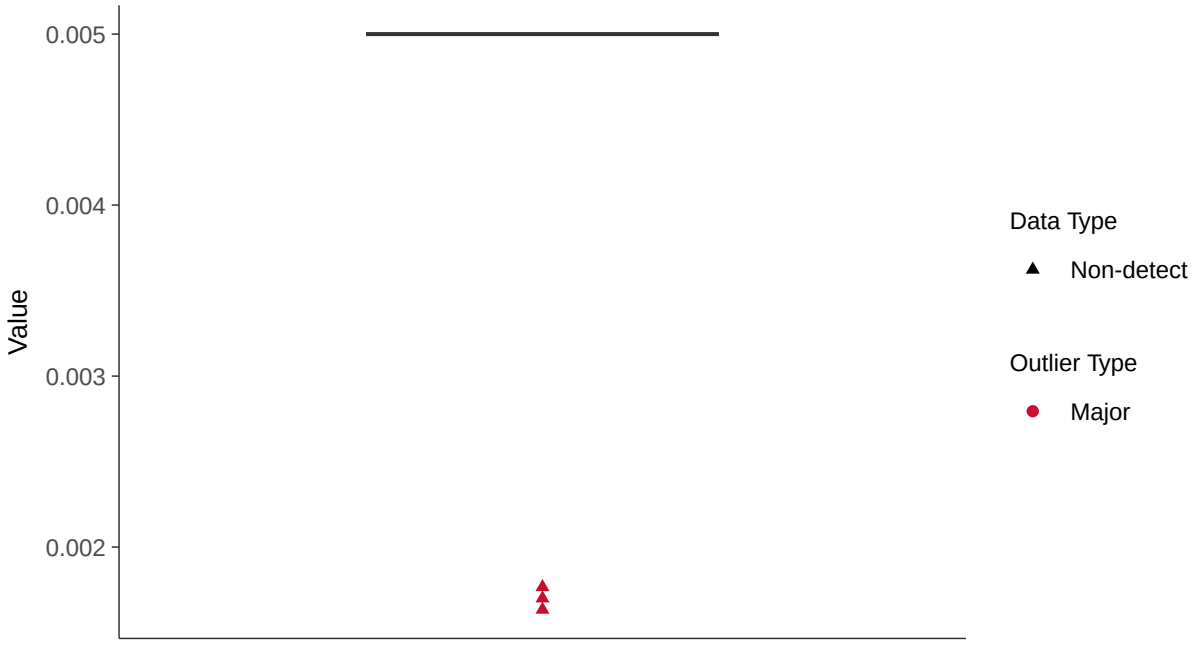
ID: 15_5_111





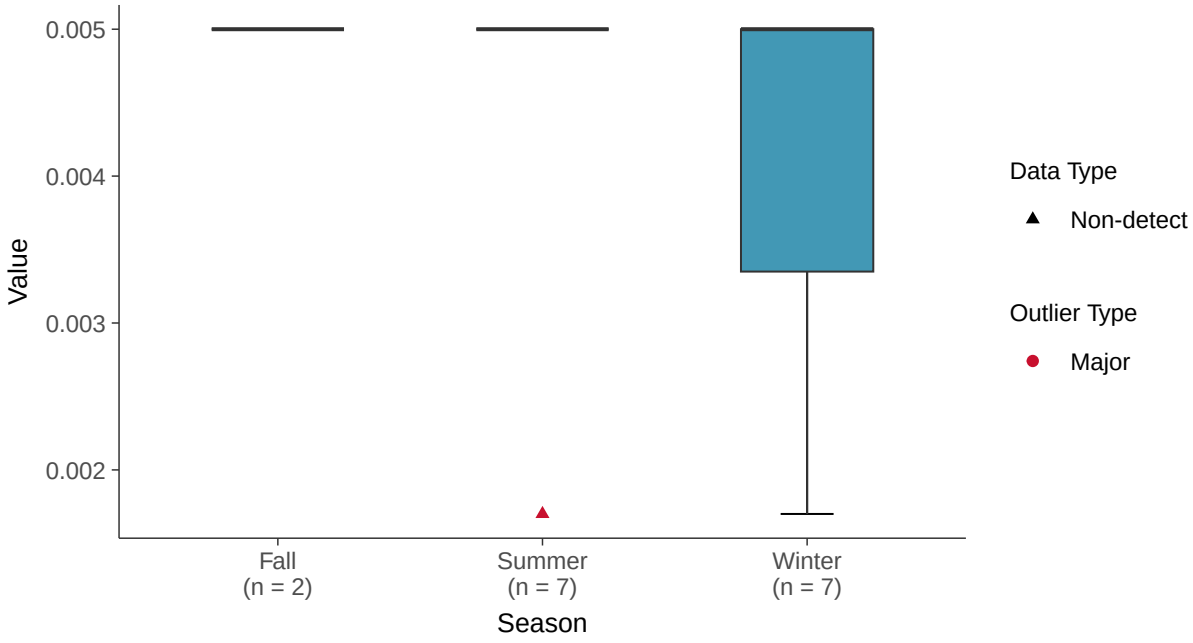
Boxplot

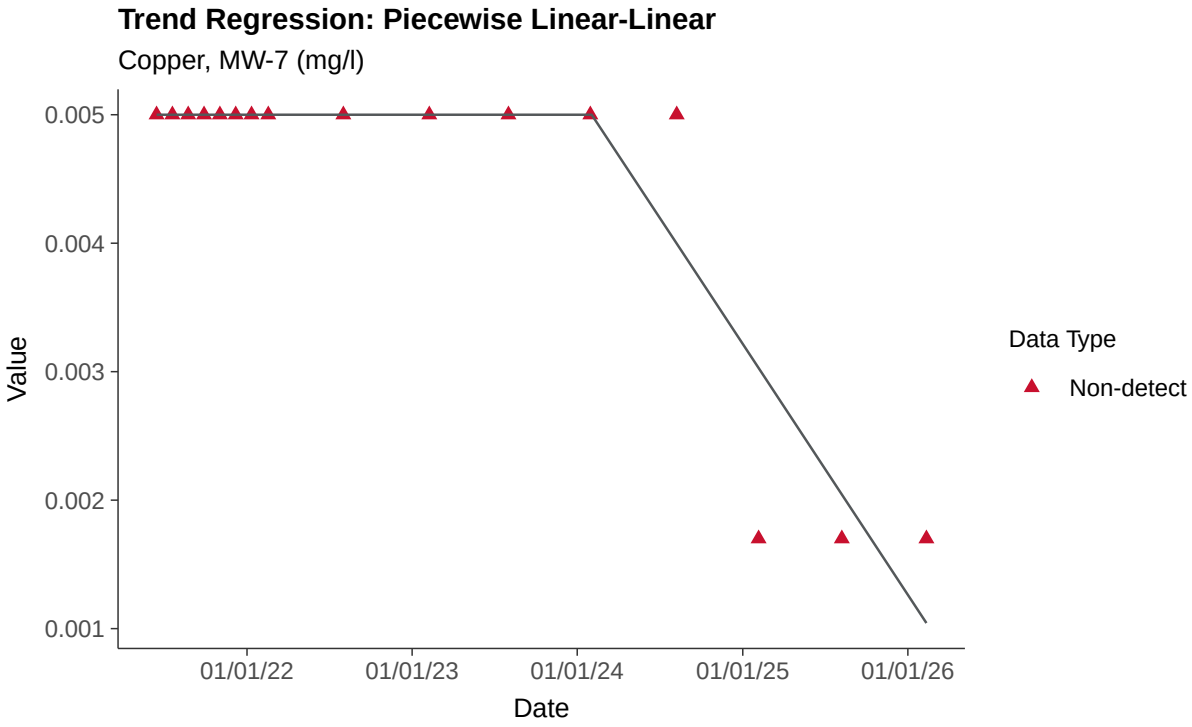
Copper, MW-7 (mg/l)



Boxplot by Season

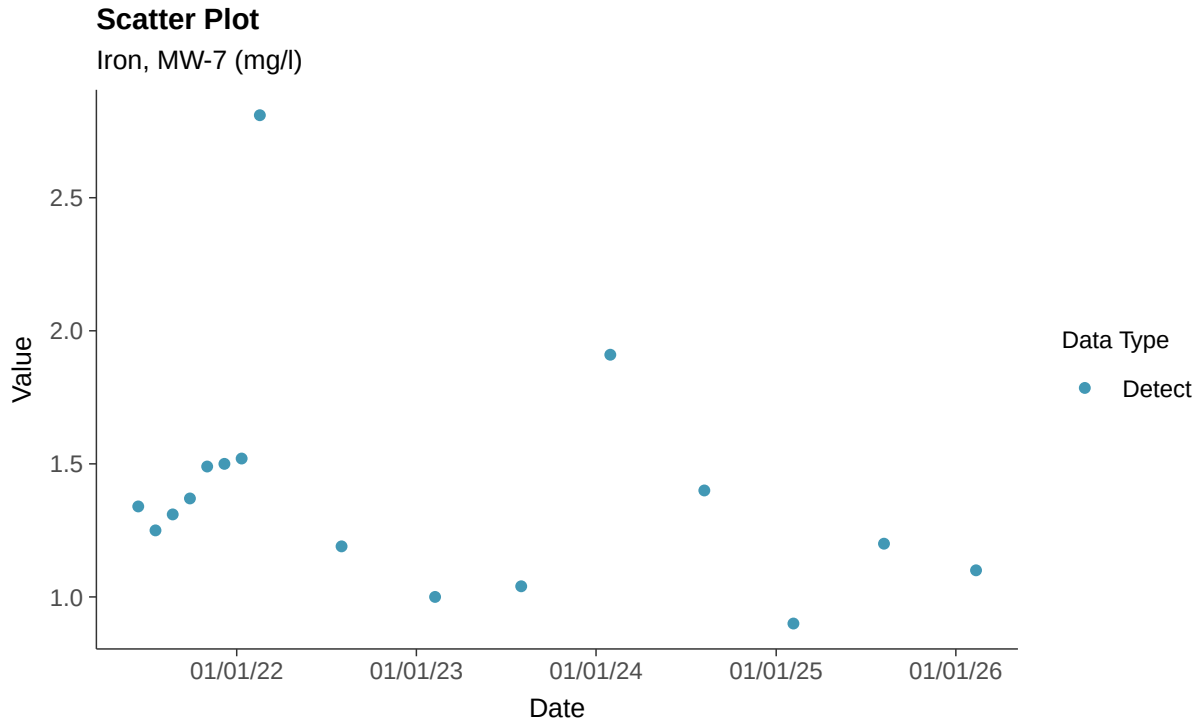
Copper, MW-7 (mg/l)

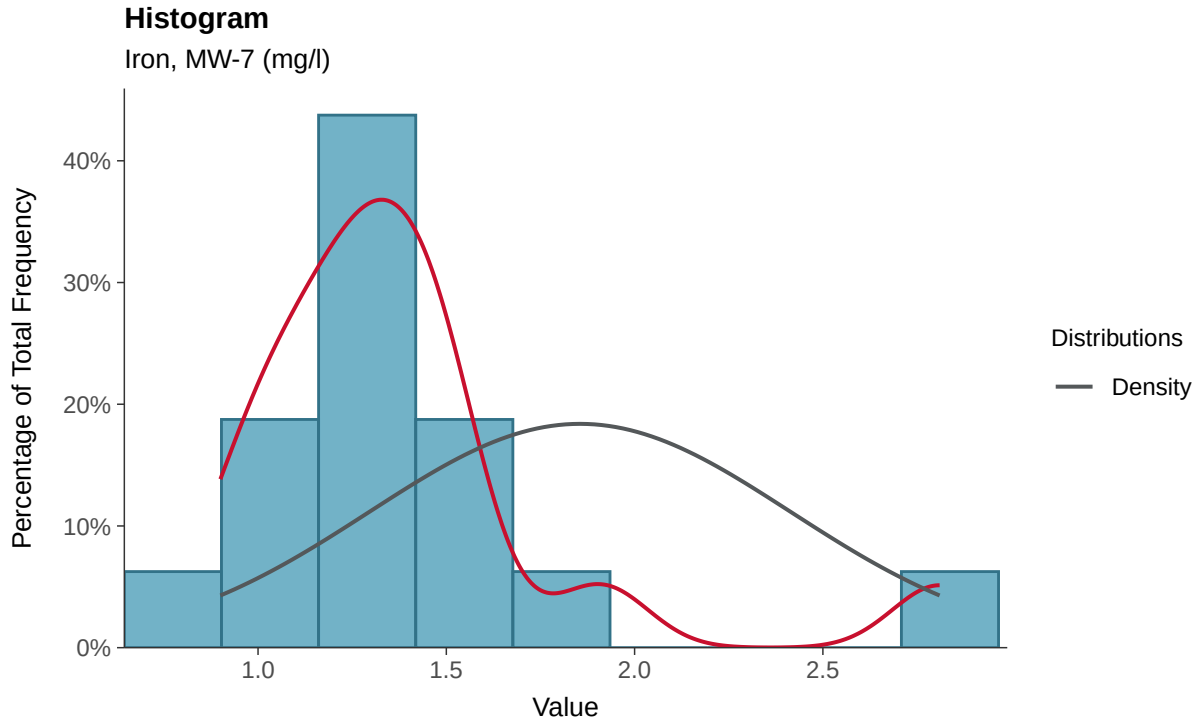



Trend Regression: Piecewise Linear-Linear
Copper, MW-7 (mg/l)
0.005
0.004
0.003
0.002
0.001
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Iron, MW-7

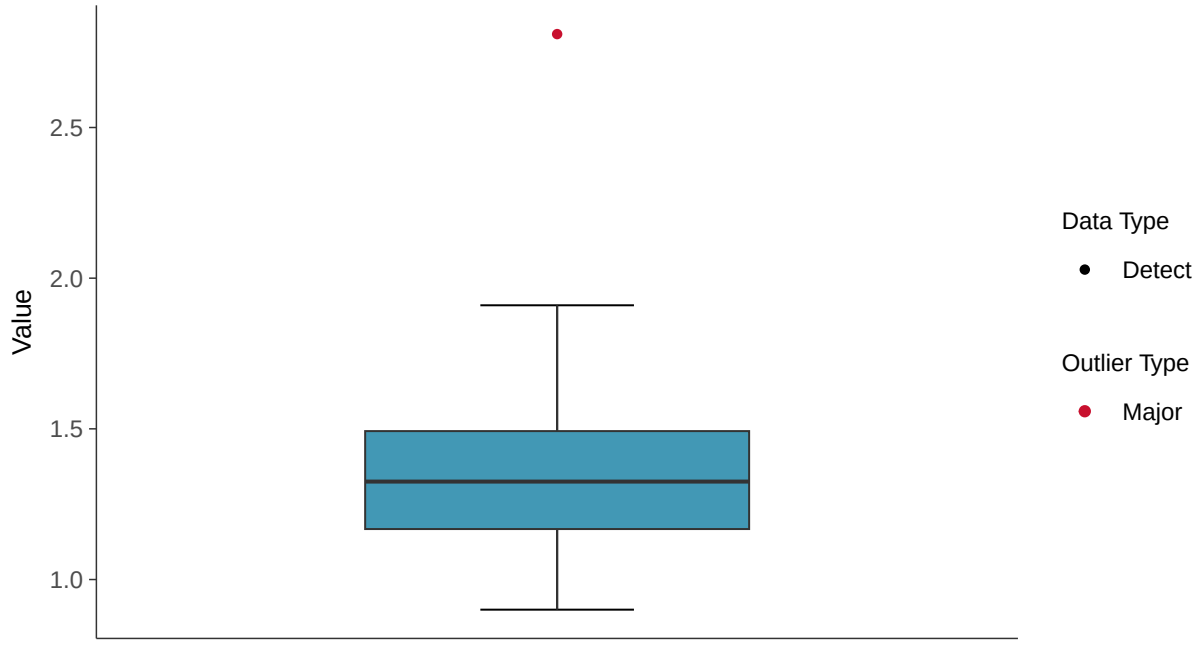
ID: 15_5_114





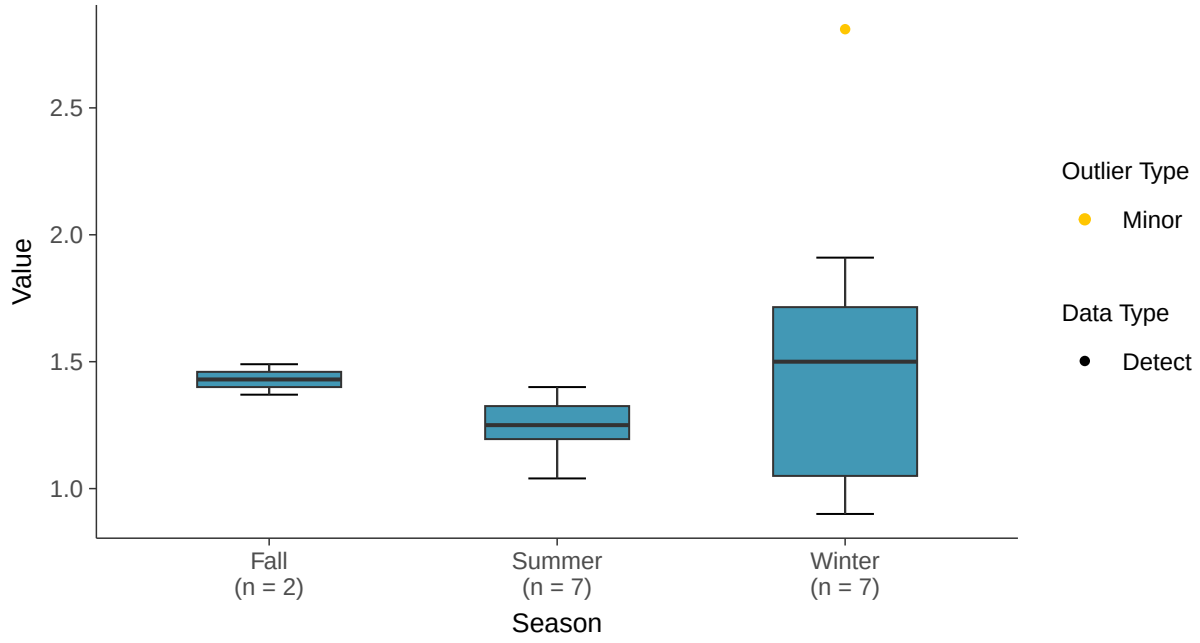
Boxplot

Iron, MW-7 (mg/l)



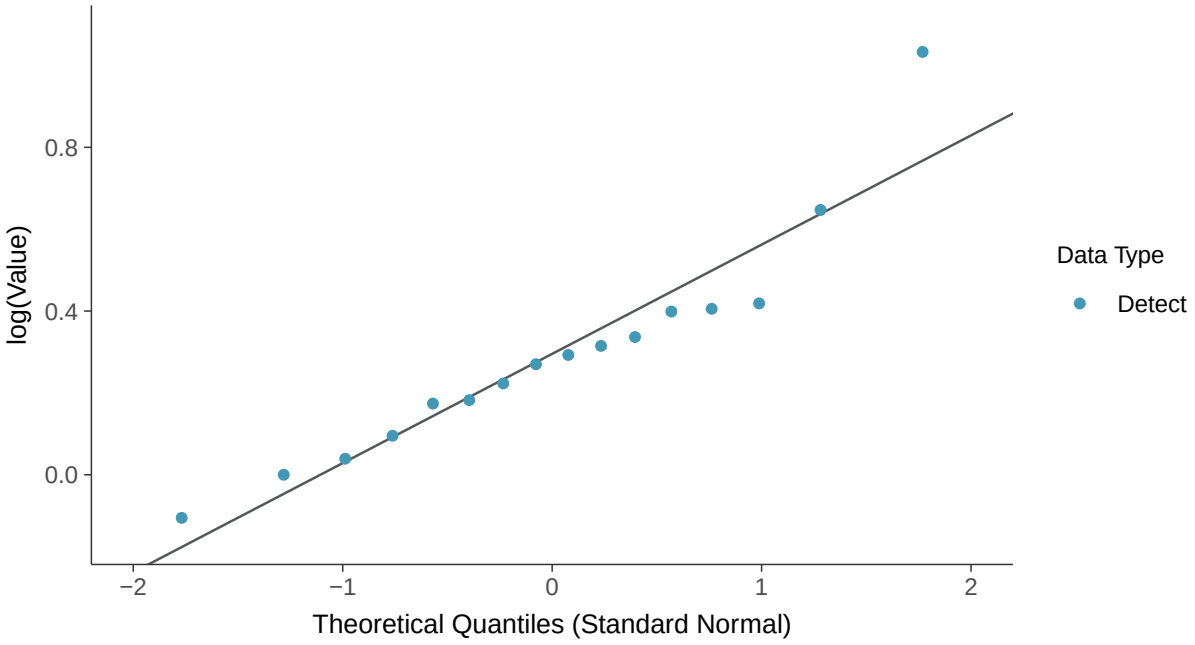
Boxplot by Season

Iron, MW-7 (mg/l)



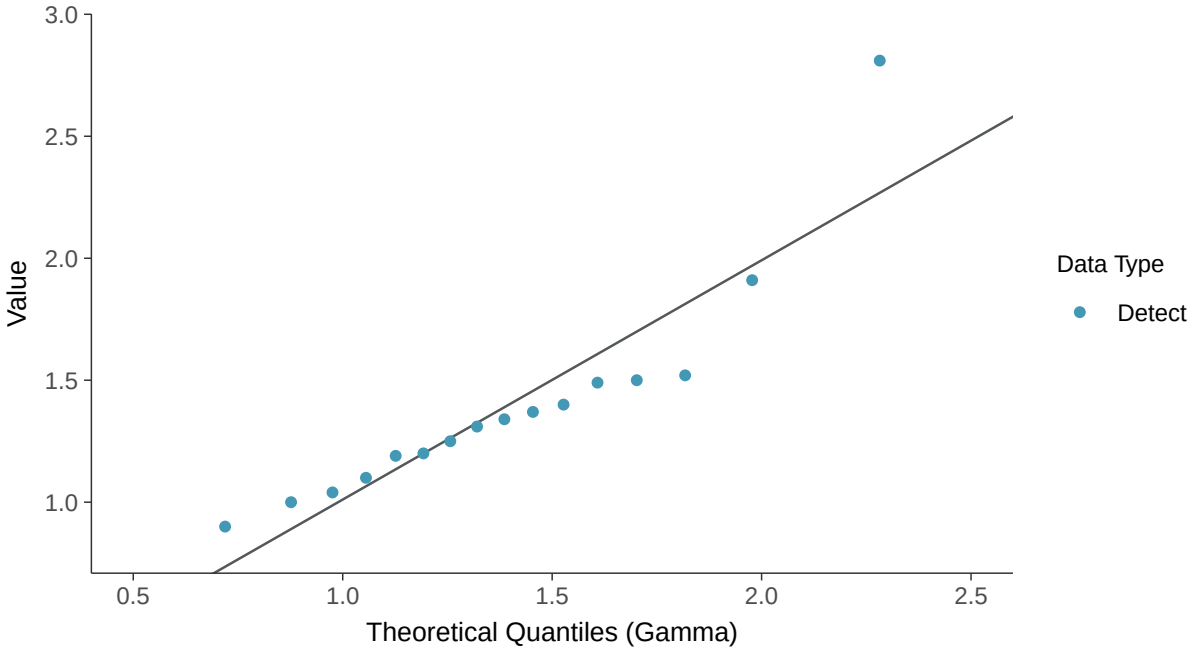
Lognormal Q-Q plot

Iron, MW-7 (mg/l)



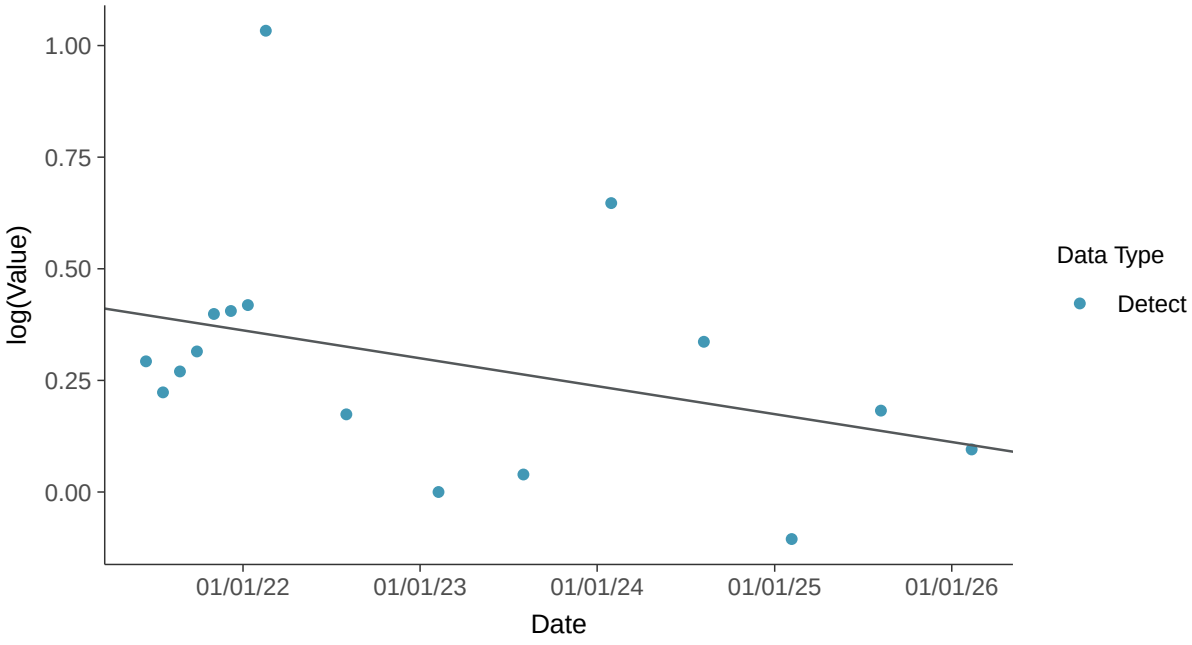
Gamma Q-Q plot

Iron, MW-7 (mg/l)



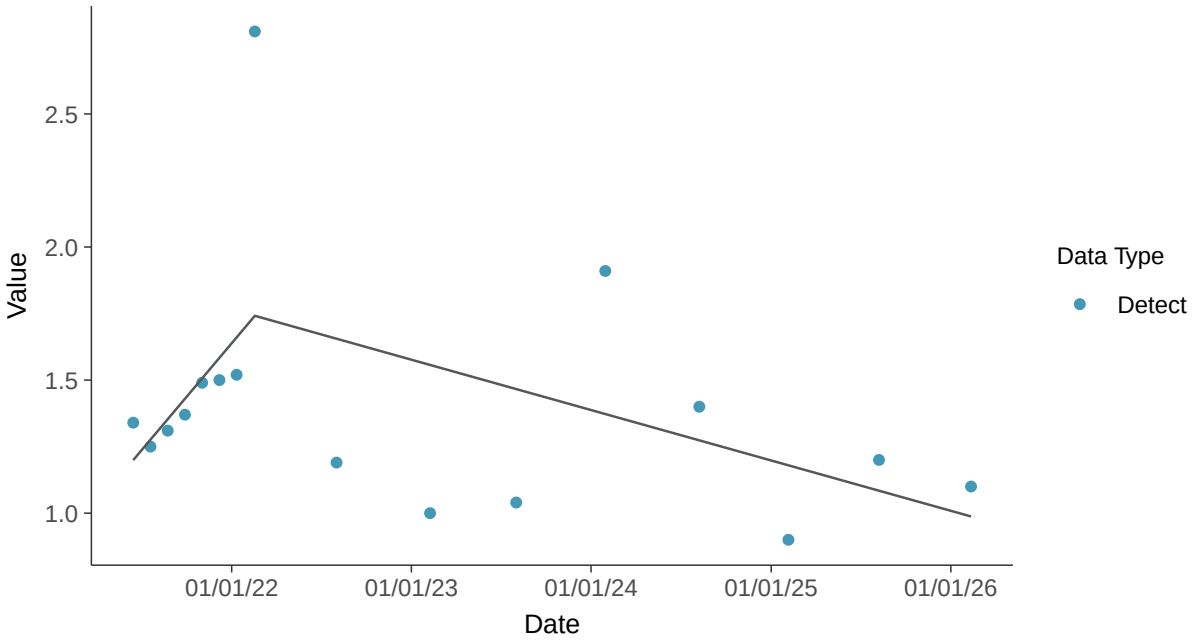
Trend Regression: Lognormal MLE

Iron, MW-7 (mg/l)



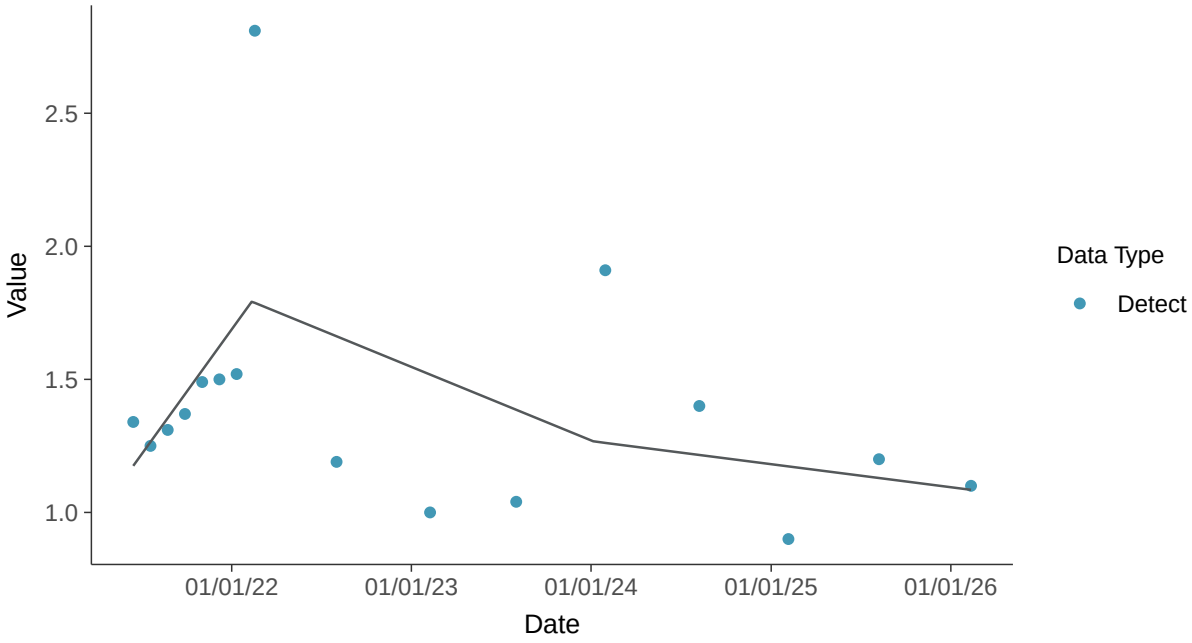
Trend Regression: Piecewise Linear-Linear

Iron, MW-7 (mg/l)



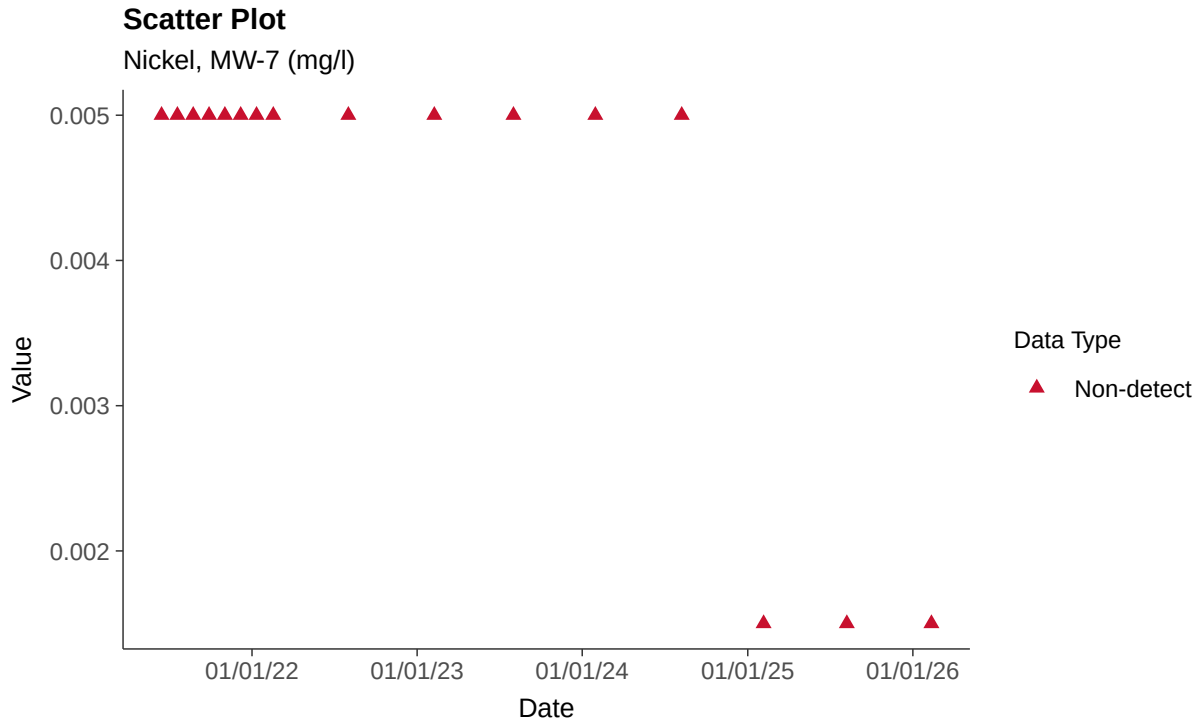
Trend Regression: Piecewise Linear-Linear-Linear

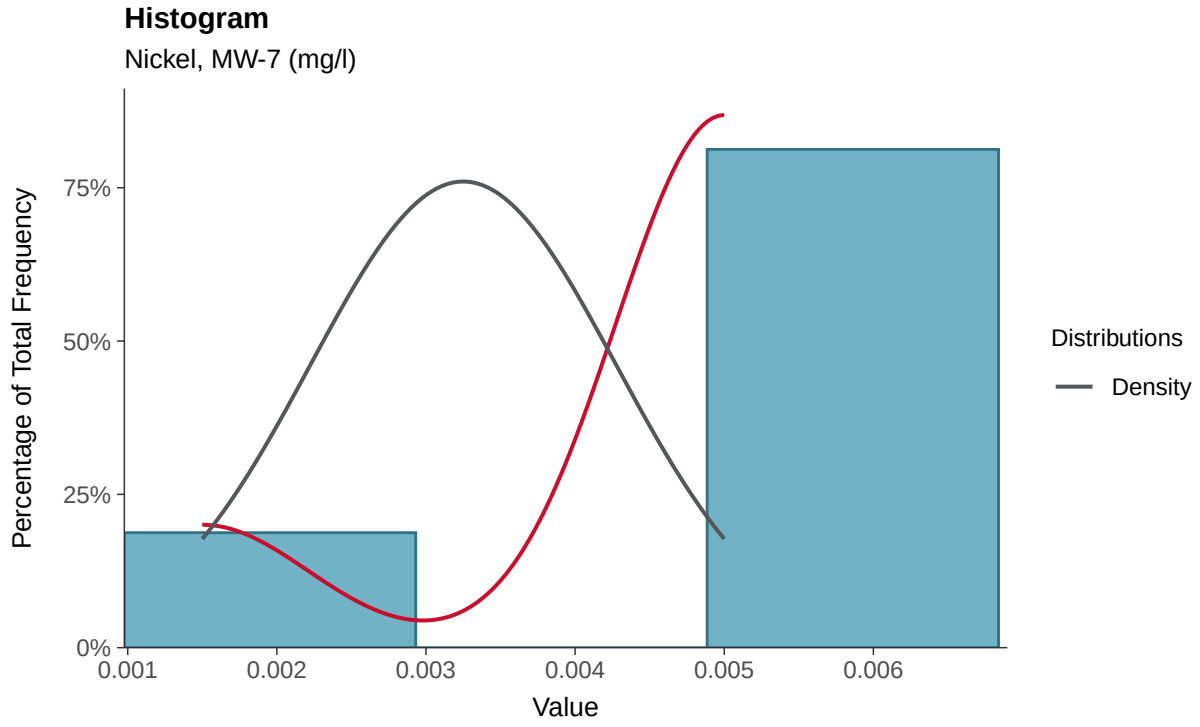
Iron, MW-7 (mg/l)



Part 115: Nickel, MW-7

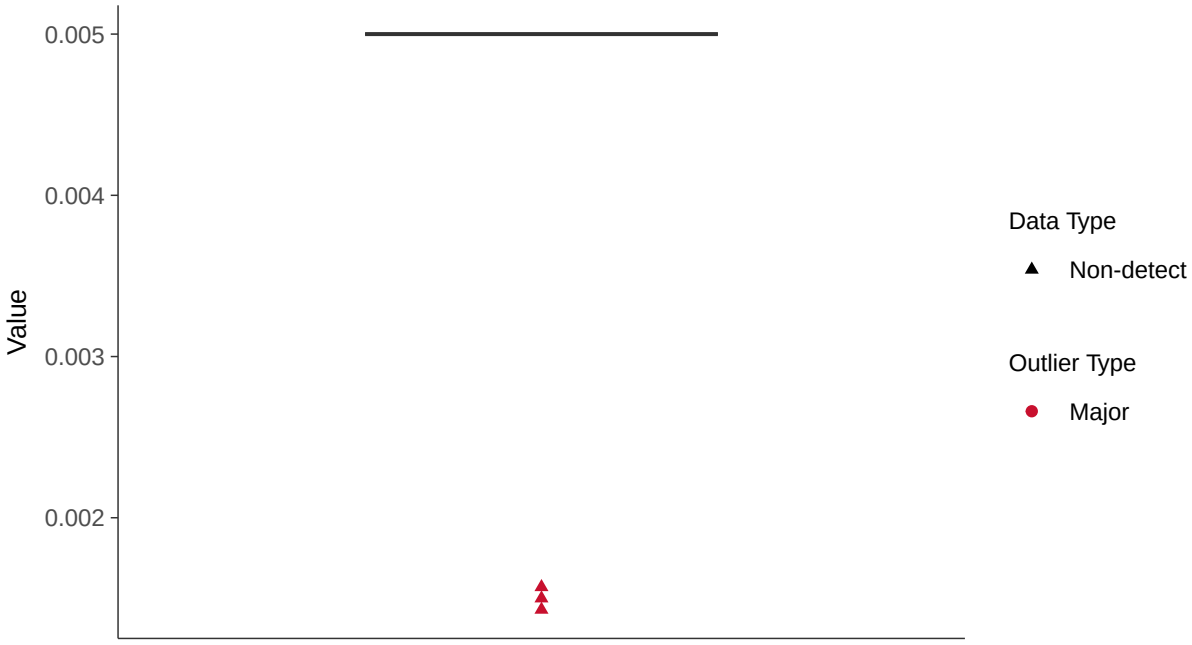
ID: 15_5_119





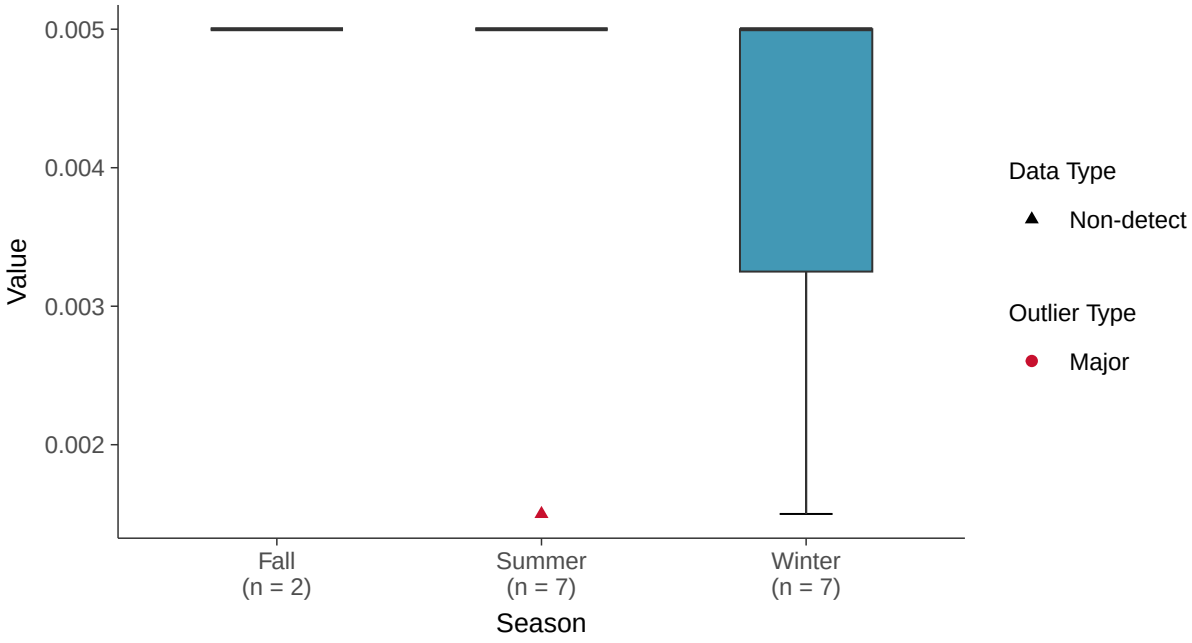
Boxplot

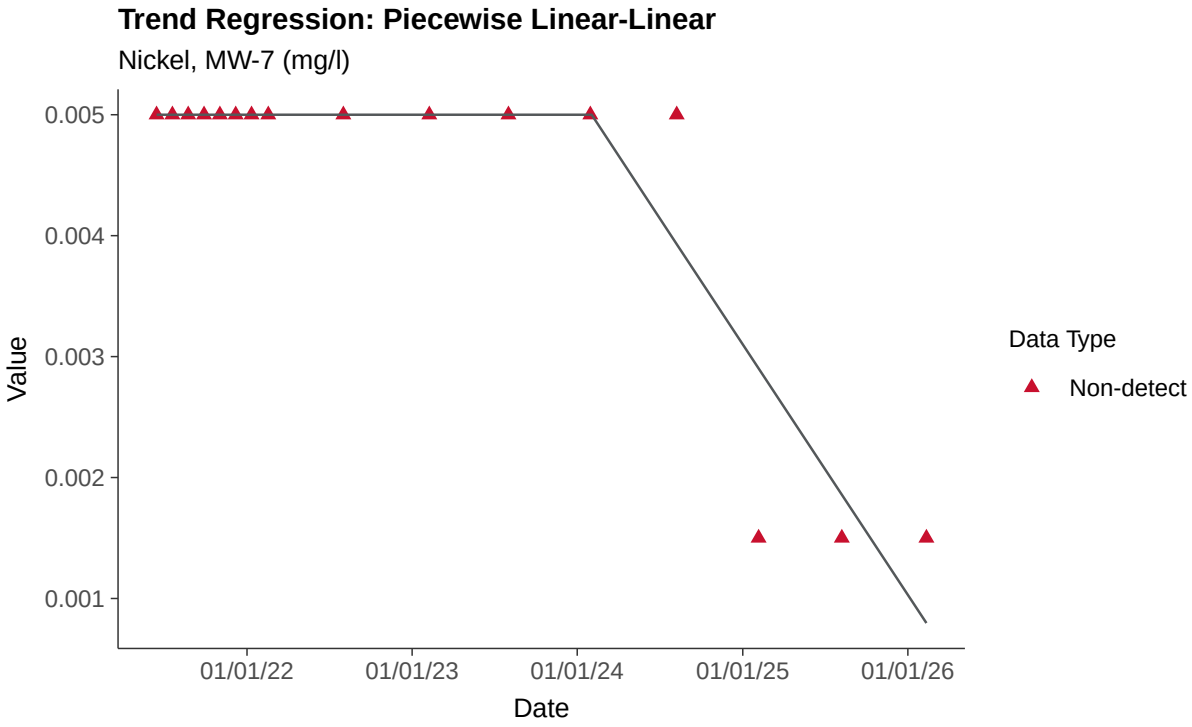
Nickel, MW-7 (mg/l)



Boxplot by Season

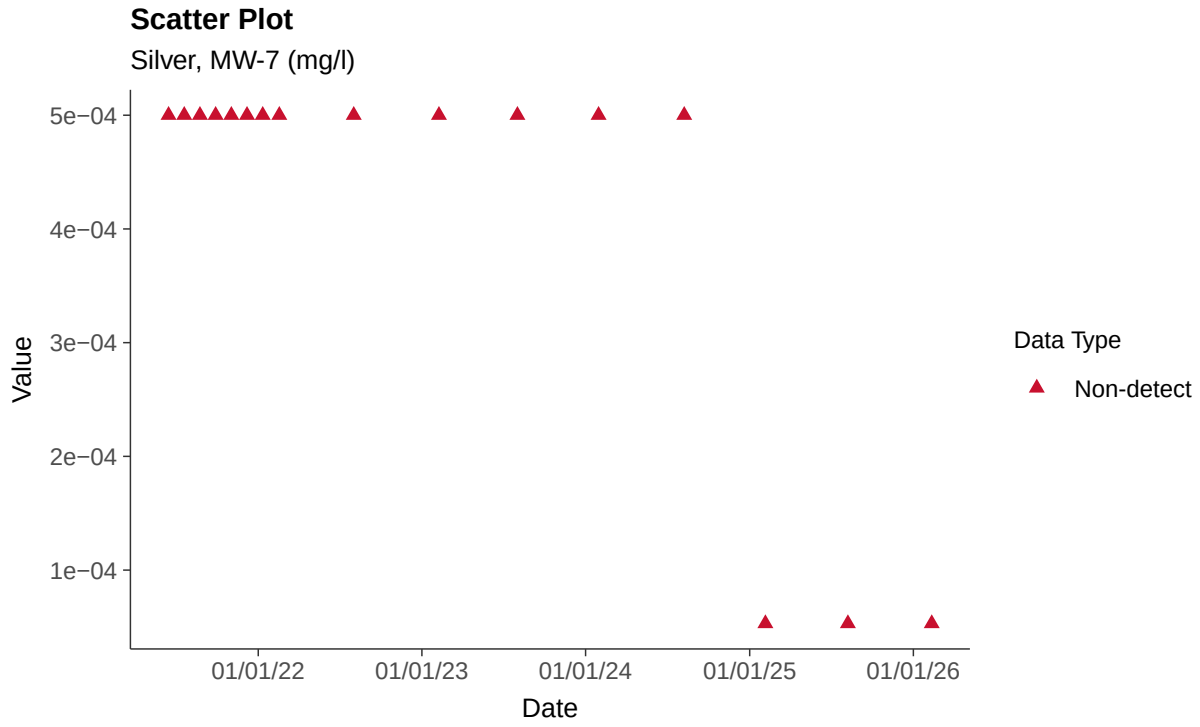
Nickel, MW-7 (mg/l)

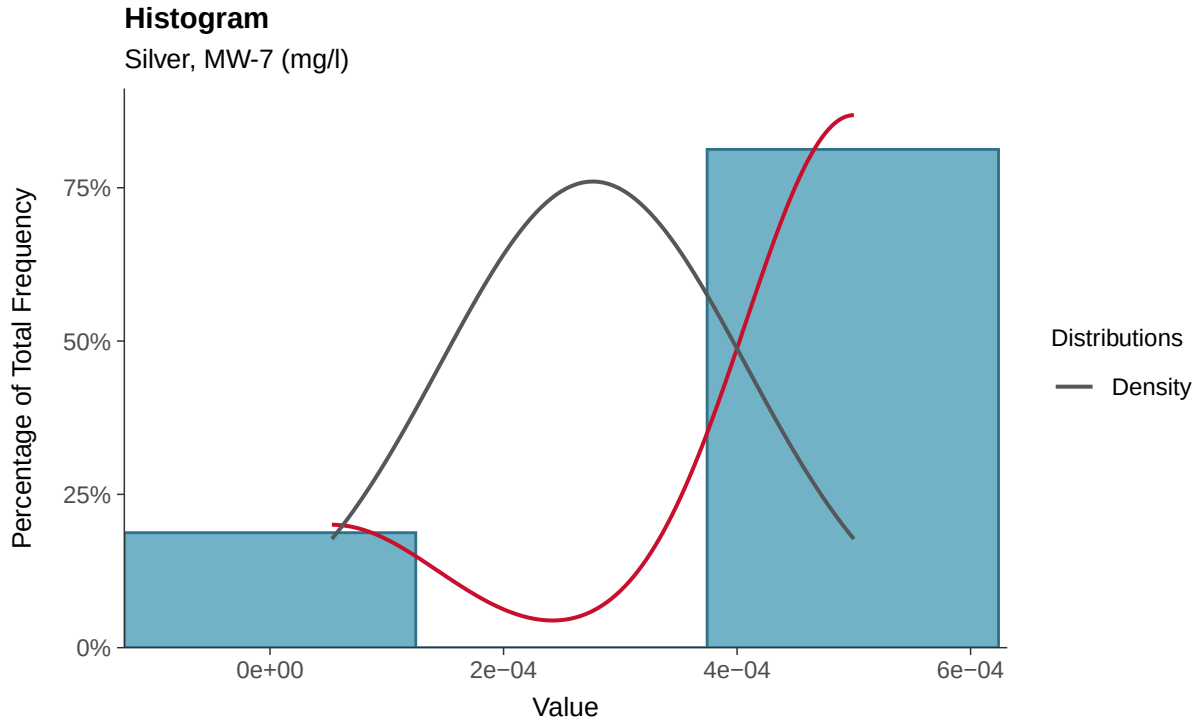



Trend Regression: Piecewise Linear-Linear
Nickel, MW-7 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Silver, MW-7

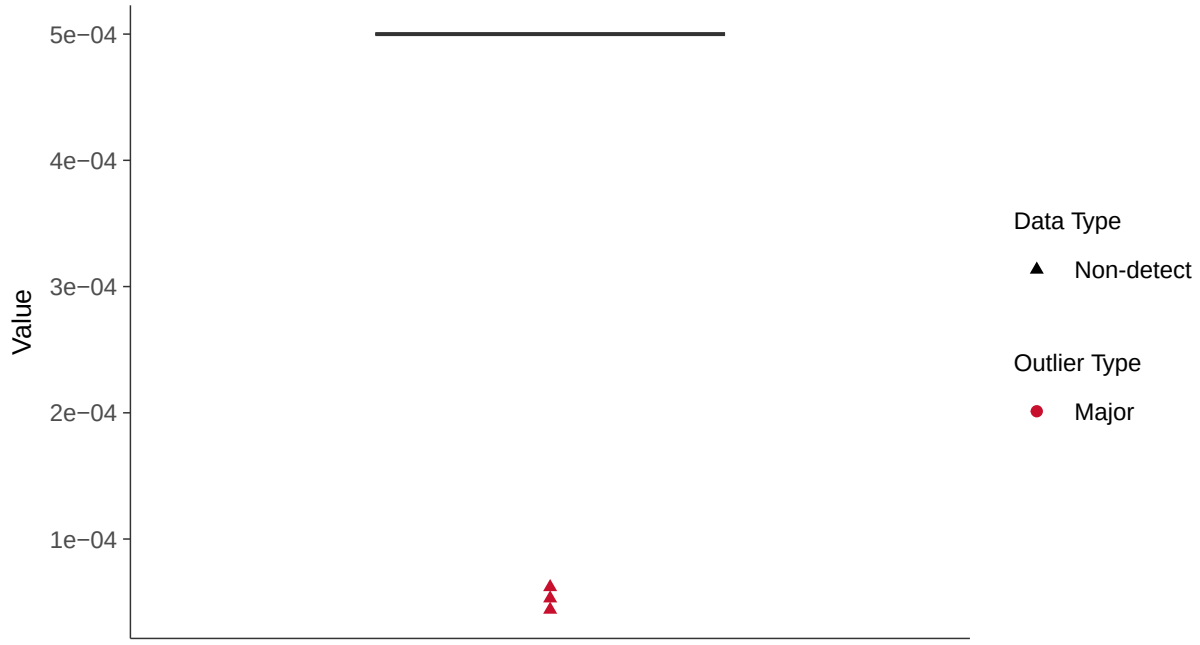
ID: 15_5_123





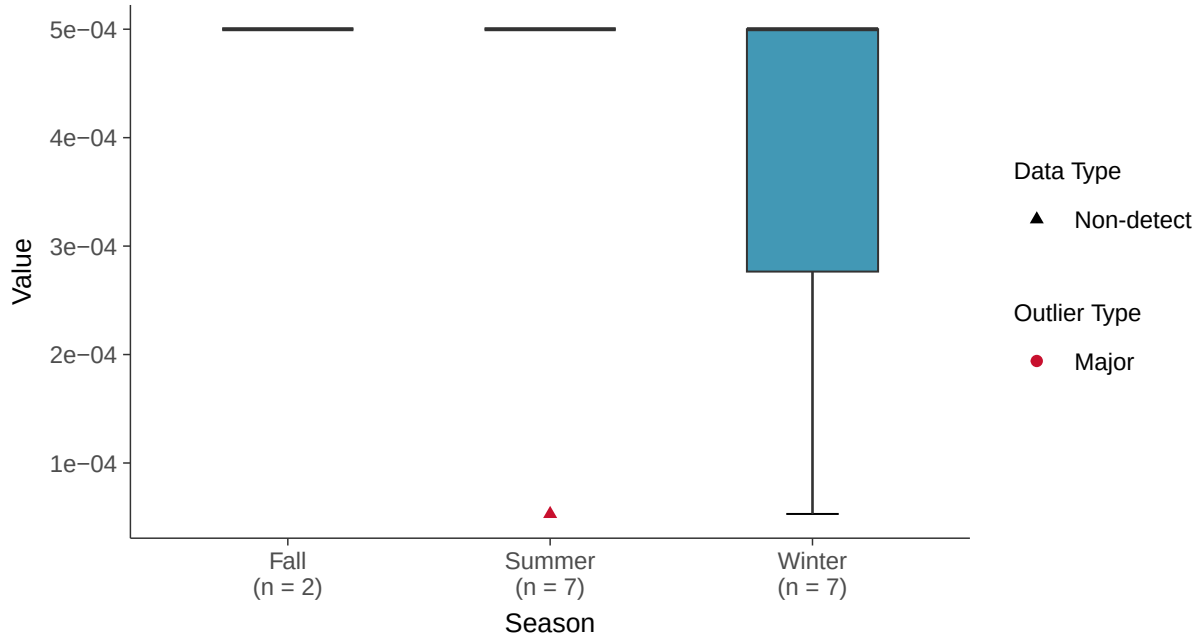
Boxplot

Silver, MW-7 (mg/l)



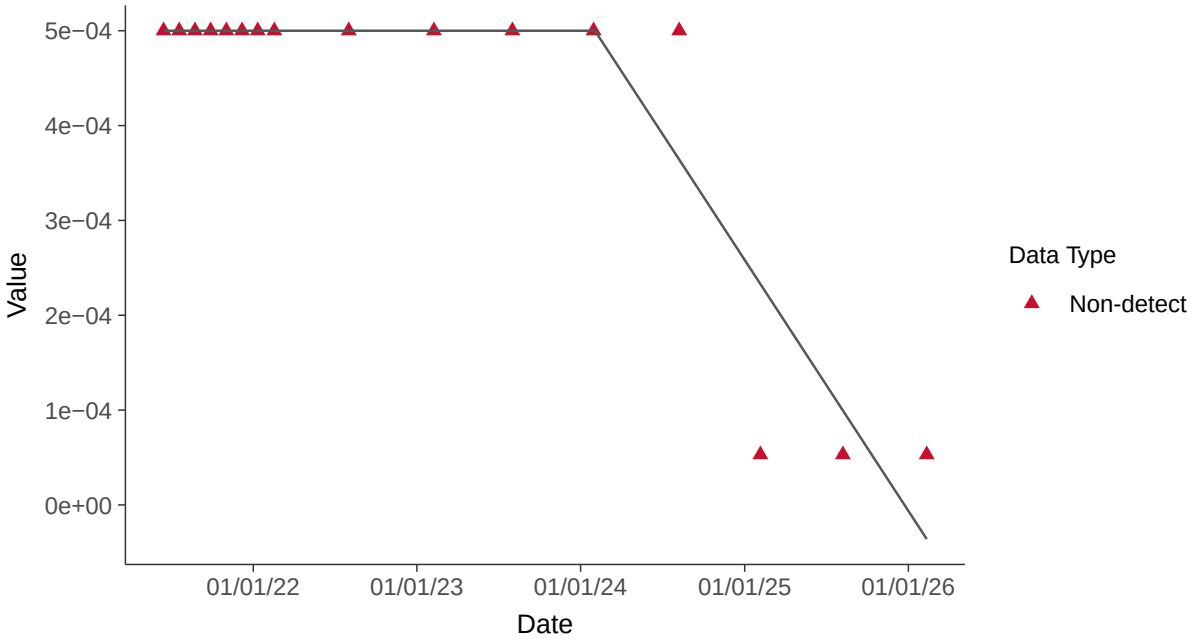
Boxplot by Season

Silver, MW-7 (mg/l)



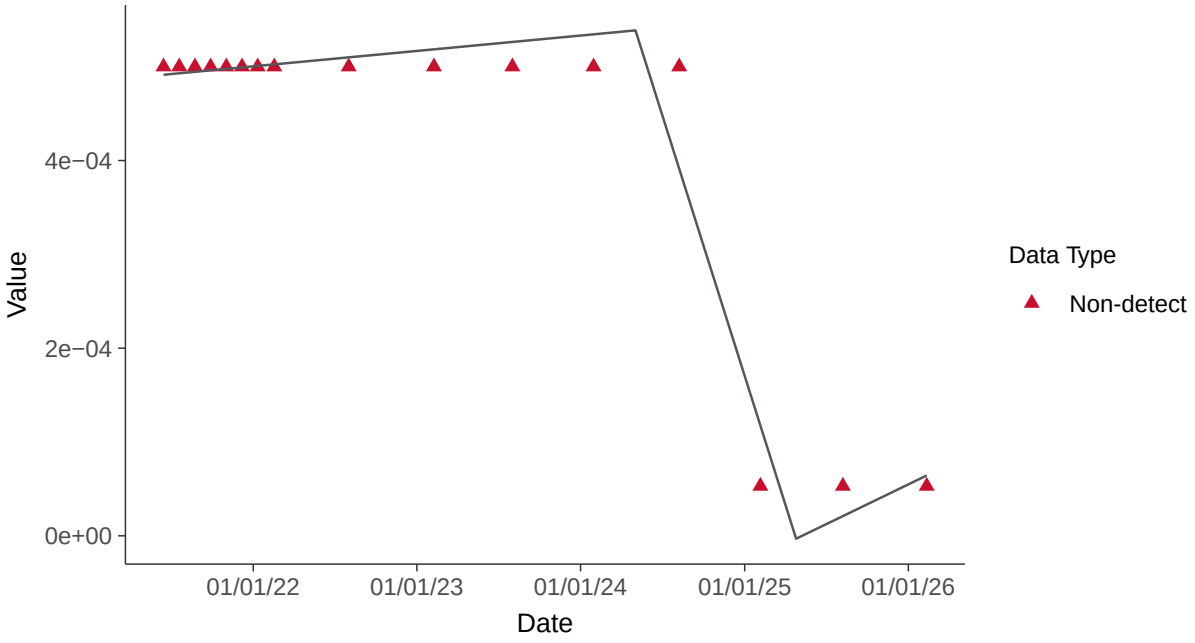
Trend Regression: Piecewise Linear-Linear

Silver, MW-7 (mg/l)



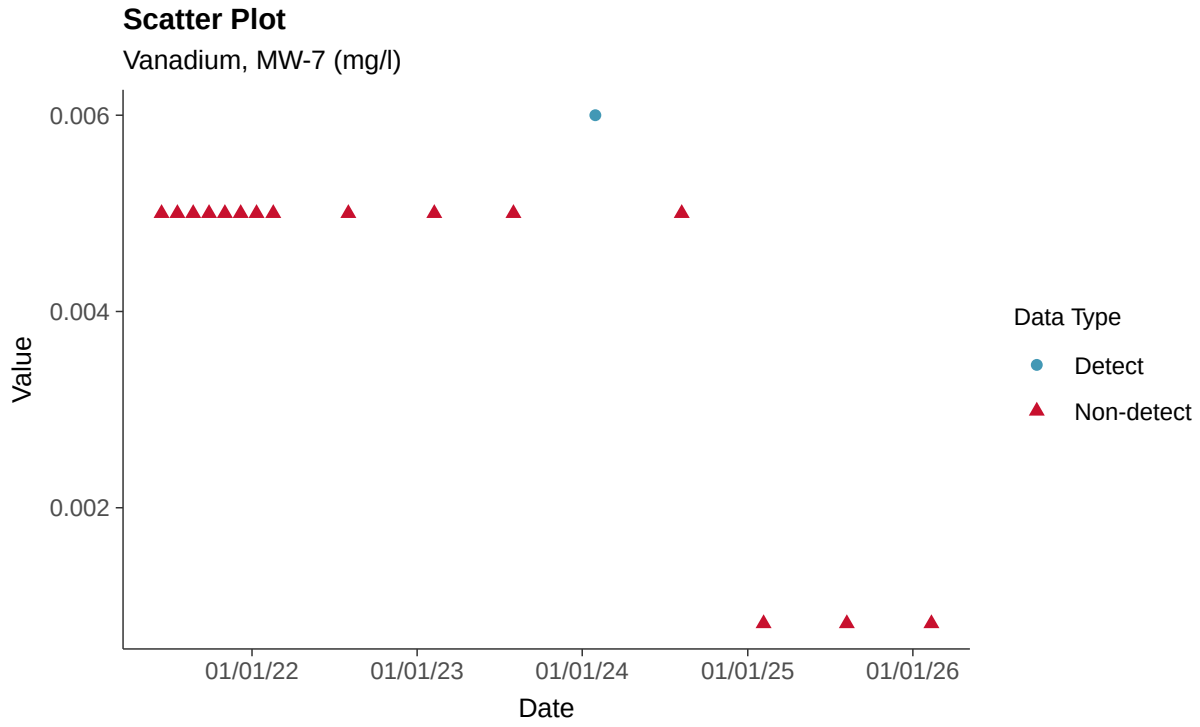
Trend Regression: Piecewise Linear-Linear-Linear

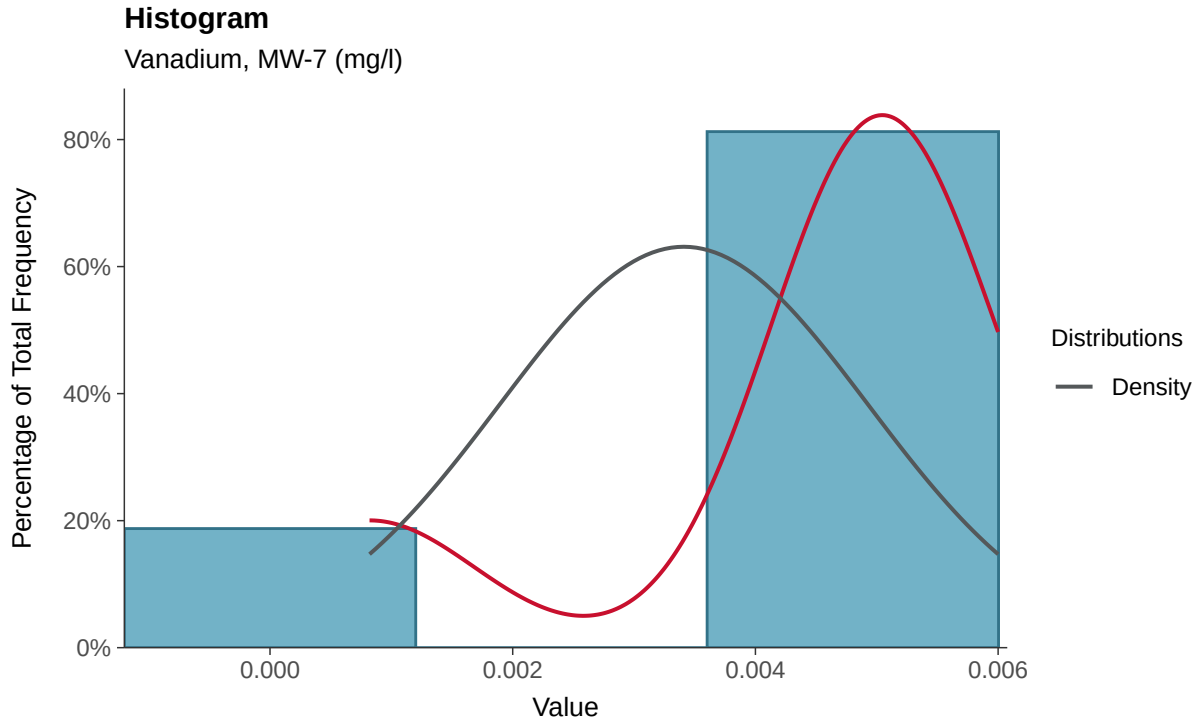
Silver, MW-7 (mg/l)



Part 115: Vanadium, MW-7

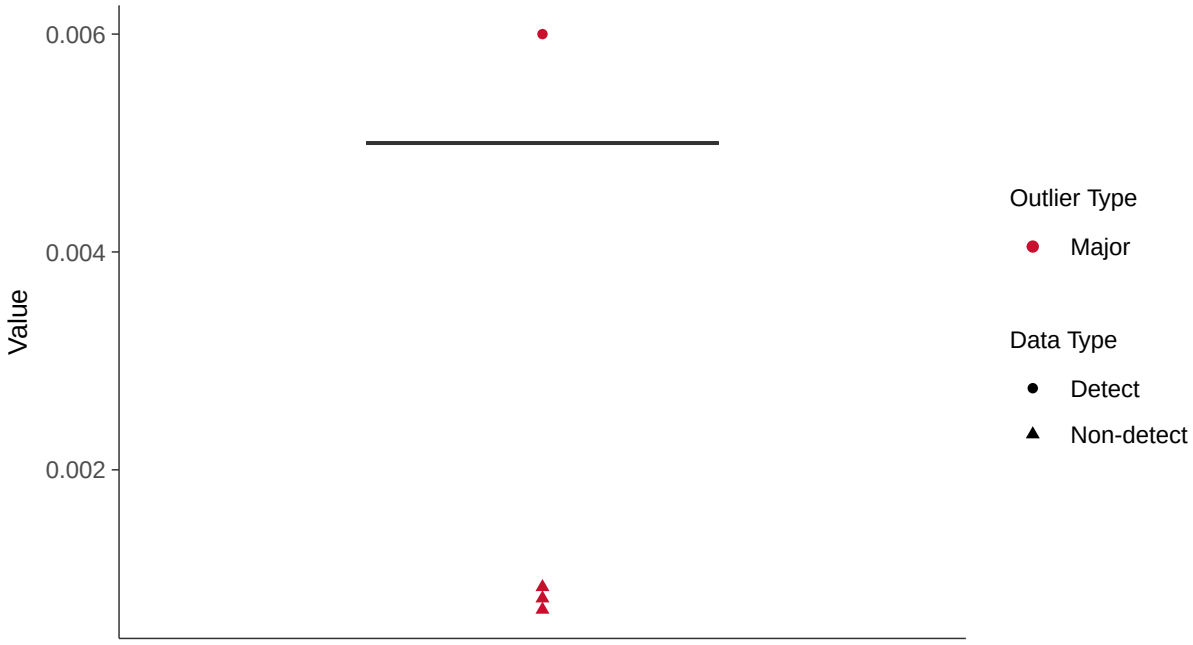
ID: 15_5_128





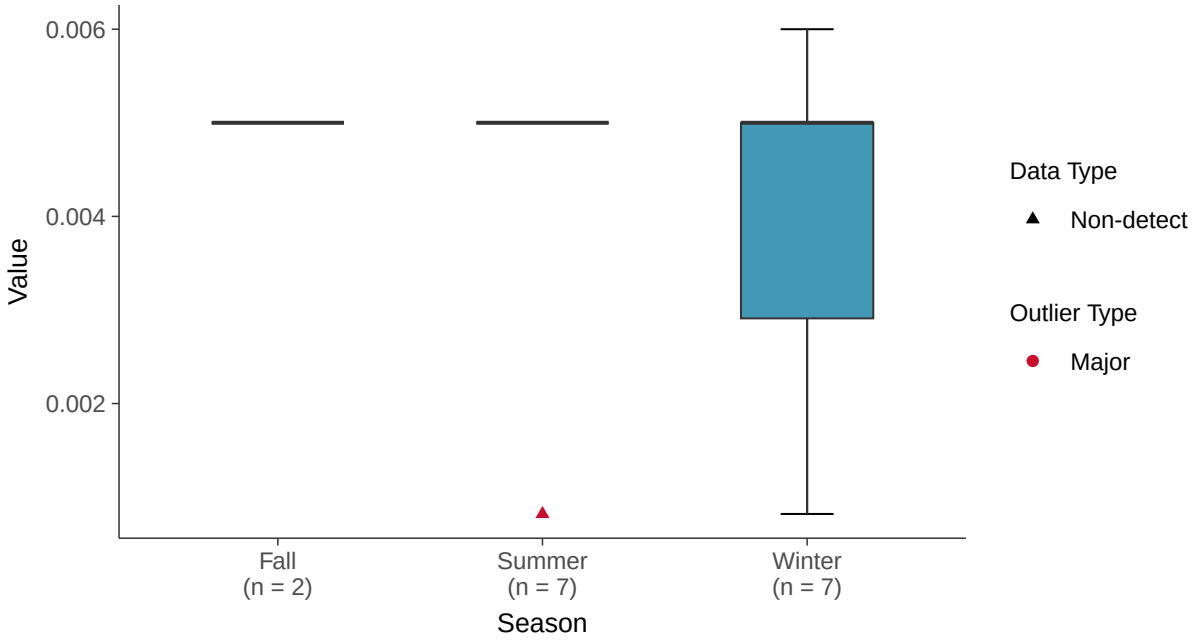
Boxplot

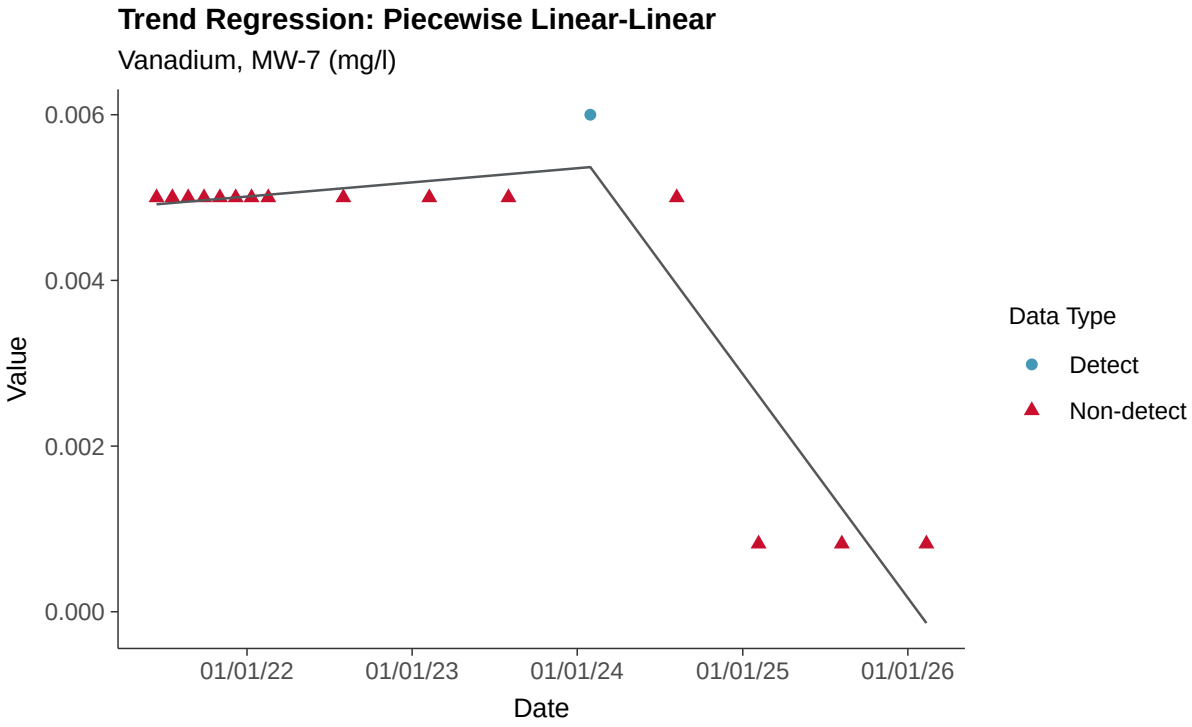
Vanadium, MW-7 (mg/l)



Boxplot by Season

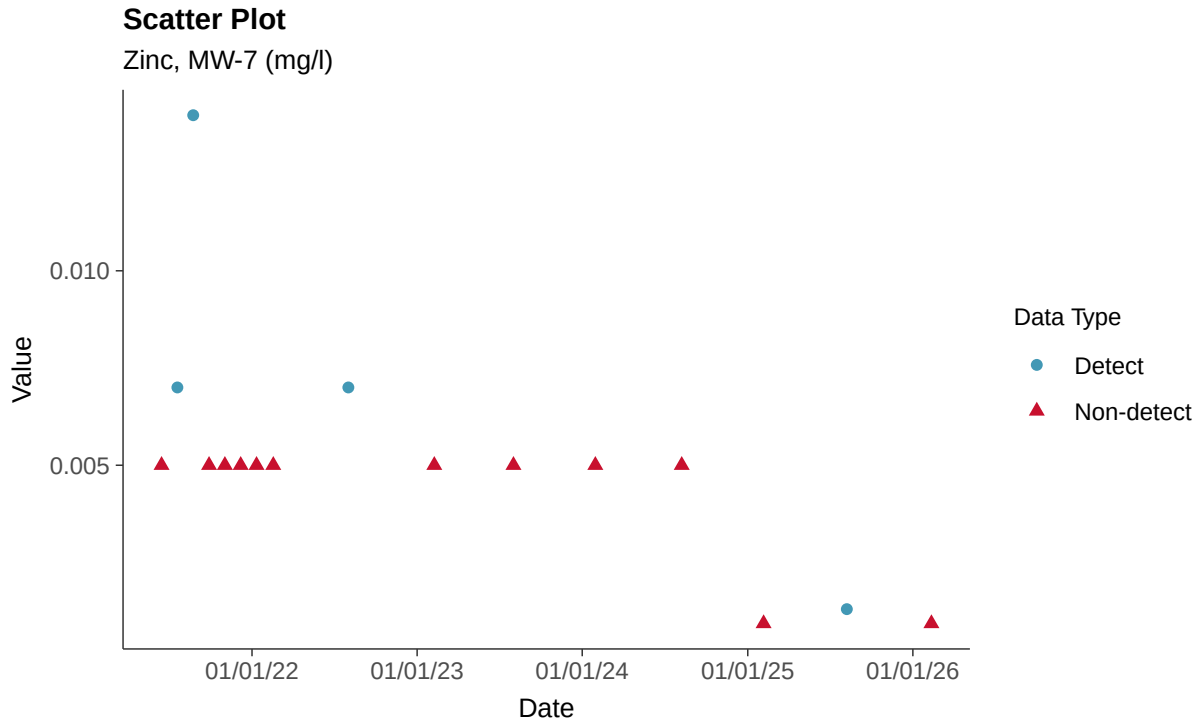
Vanadium, MW-7 (mg/l)

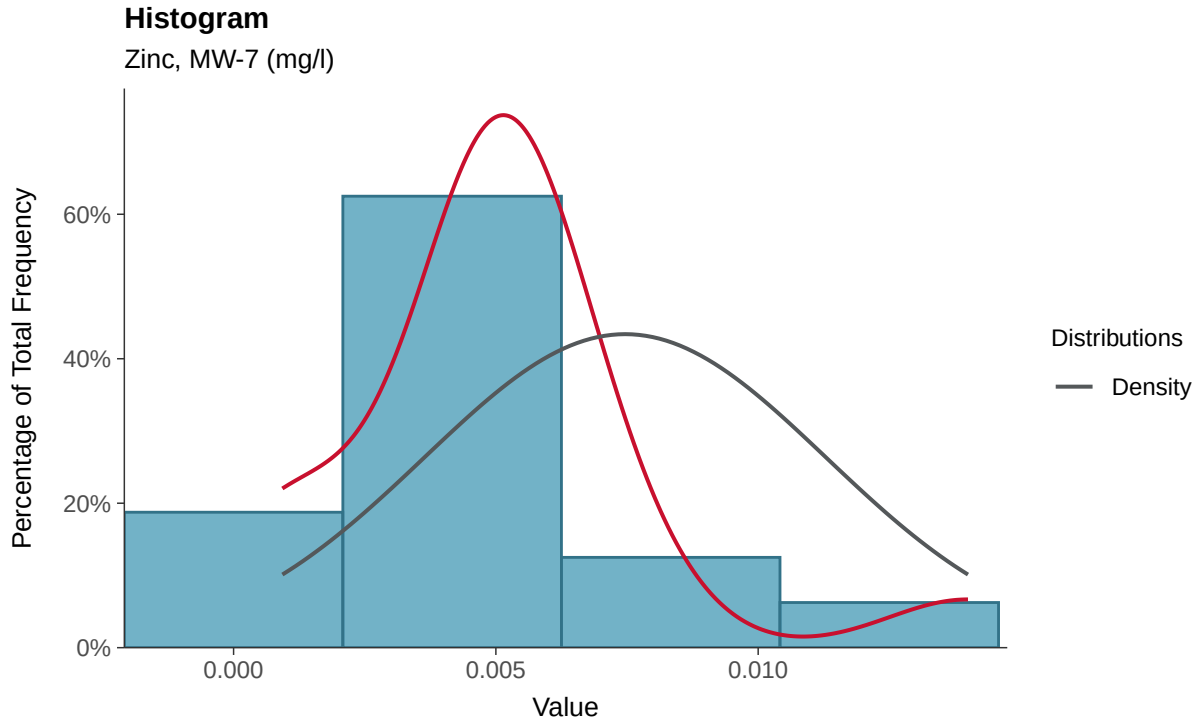



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-7 (mg/l)
0.006
0.004
0.002
0.000
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Zinc, MW-7

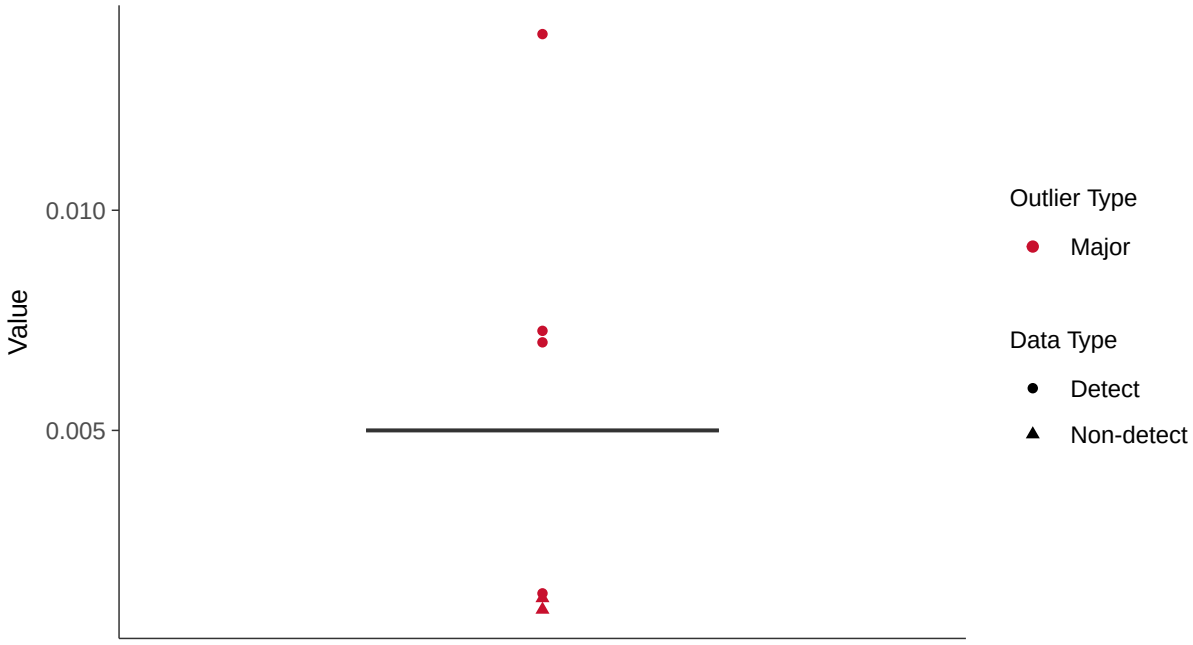
ID: 15_5_129





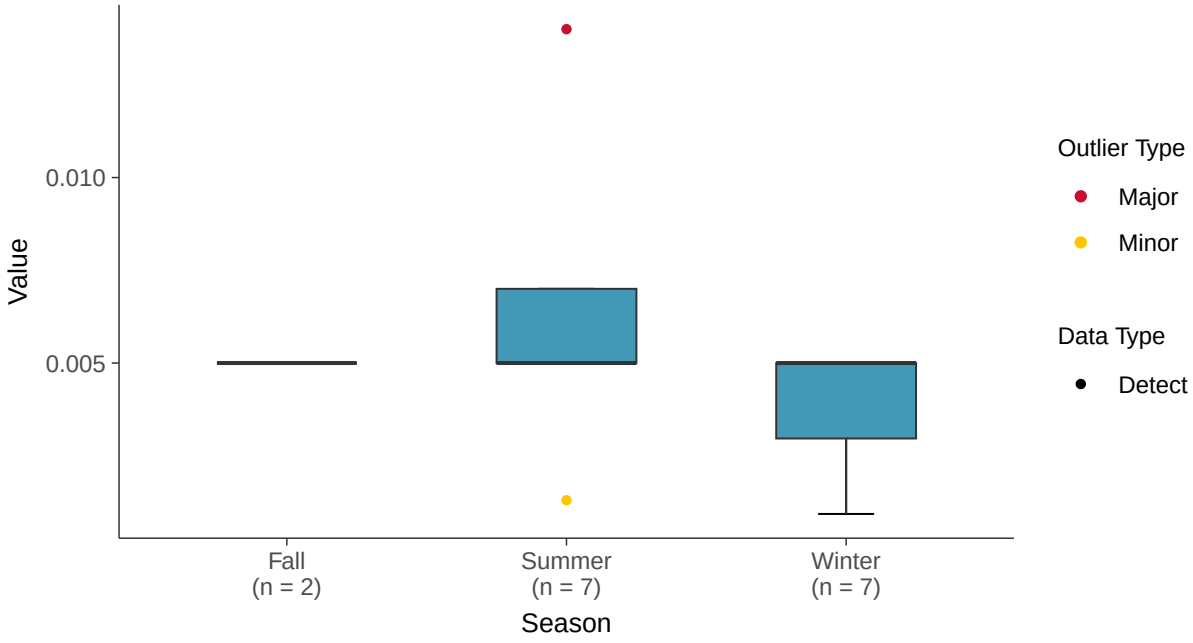
Boxplot

Zinc, MW-7 (mg/l)



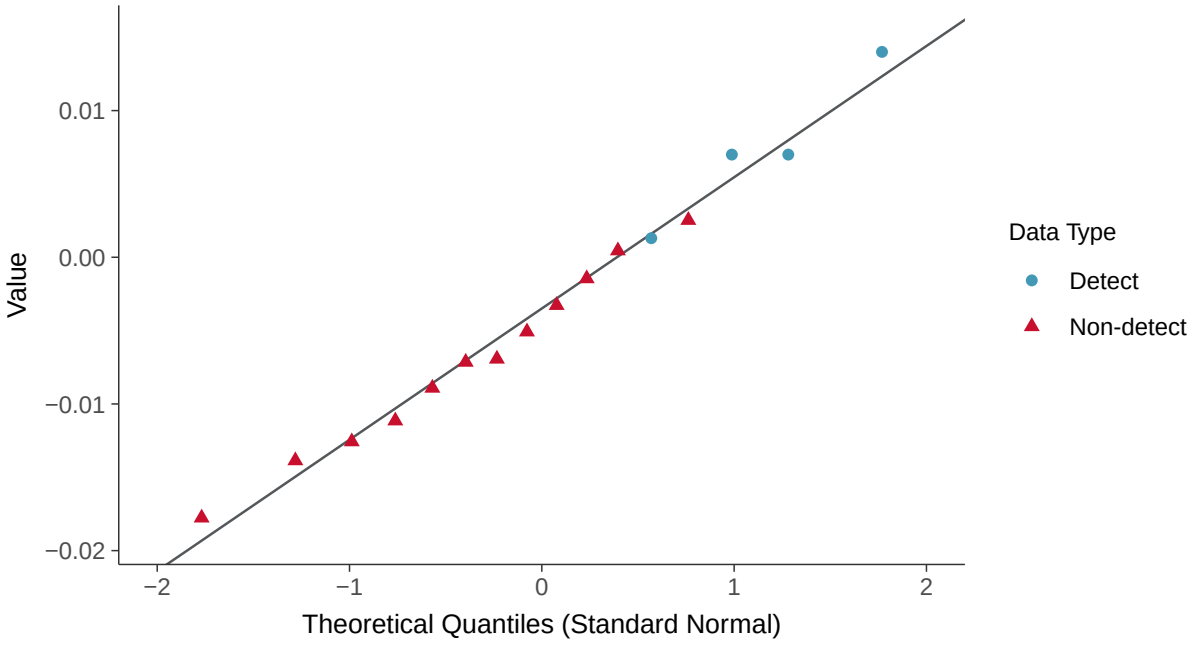
Boxplot by Season

Zinc, MW-7 (mg/l)



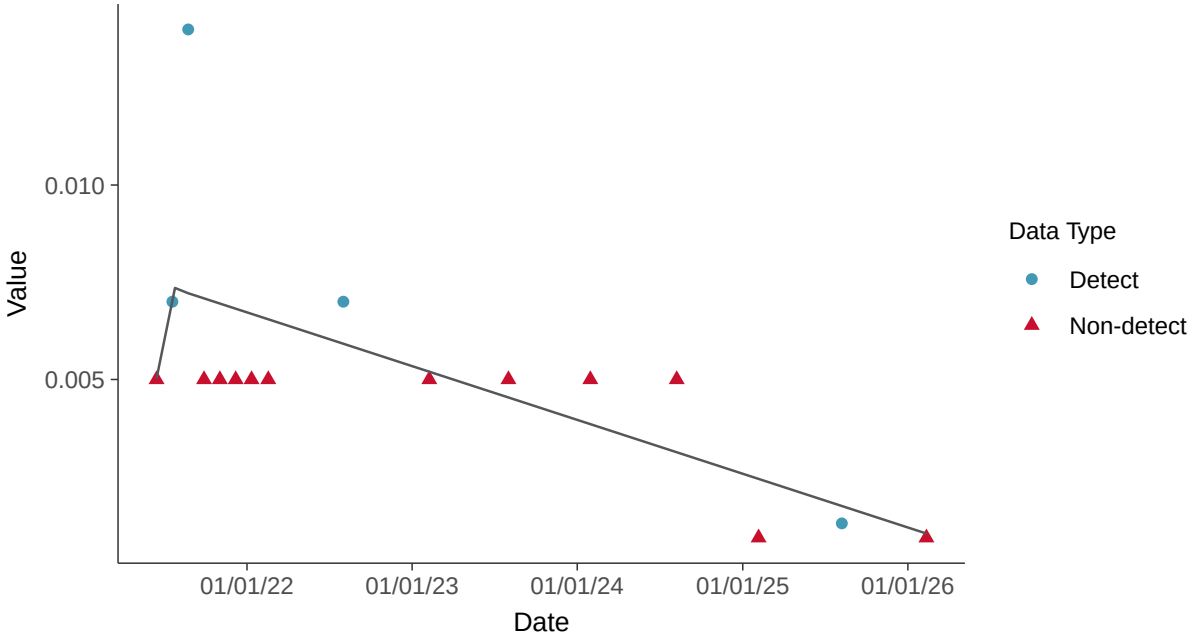
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-7 (mg/l)



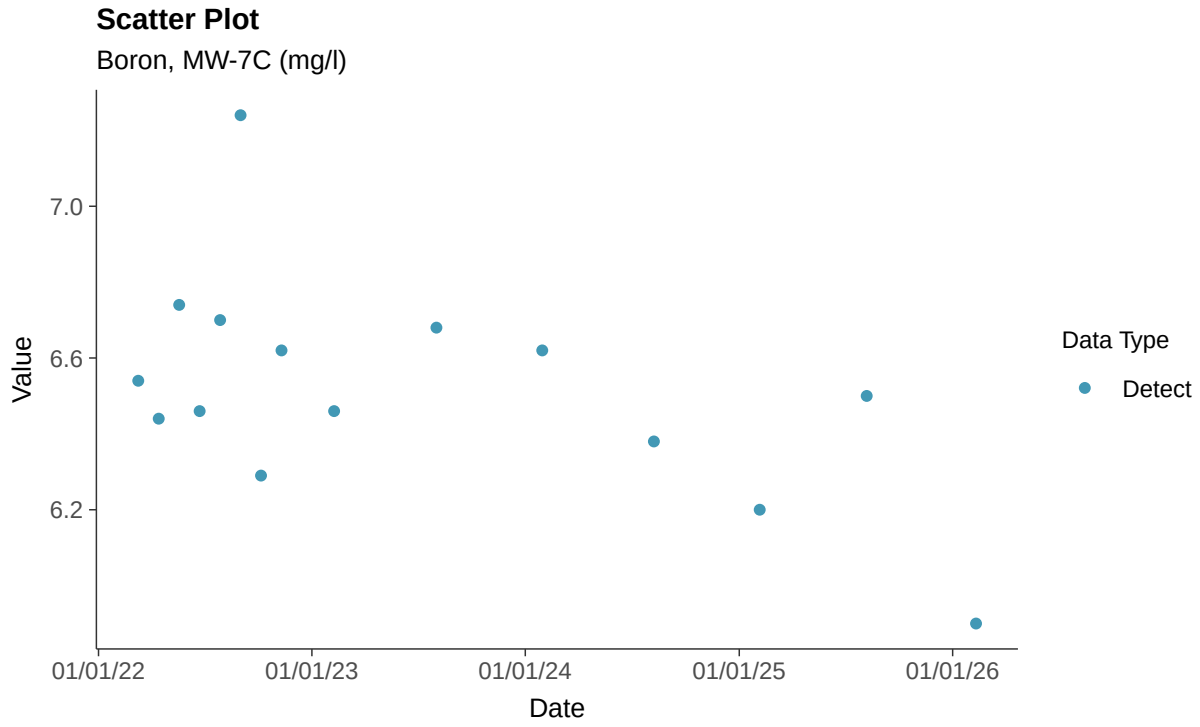
Trend Regression: Piecewise Linear-Linear

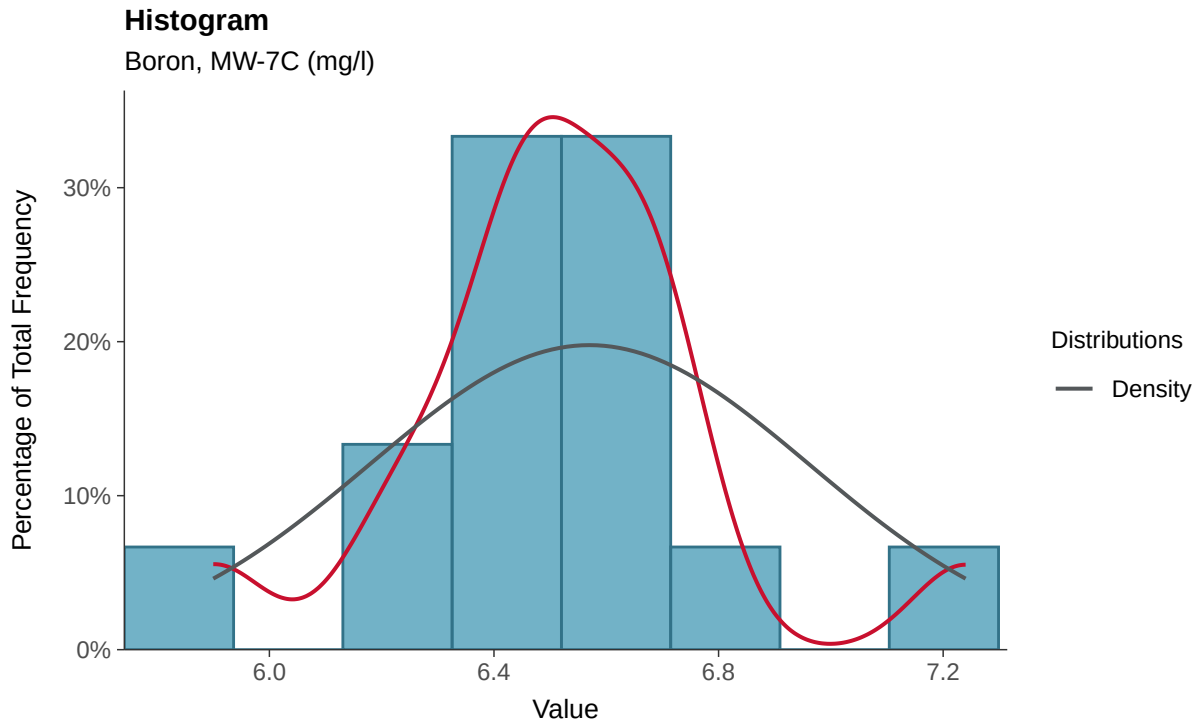
Zinc, MW-7 (mg/l)



Appendix III: Boron, MW-7C

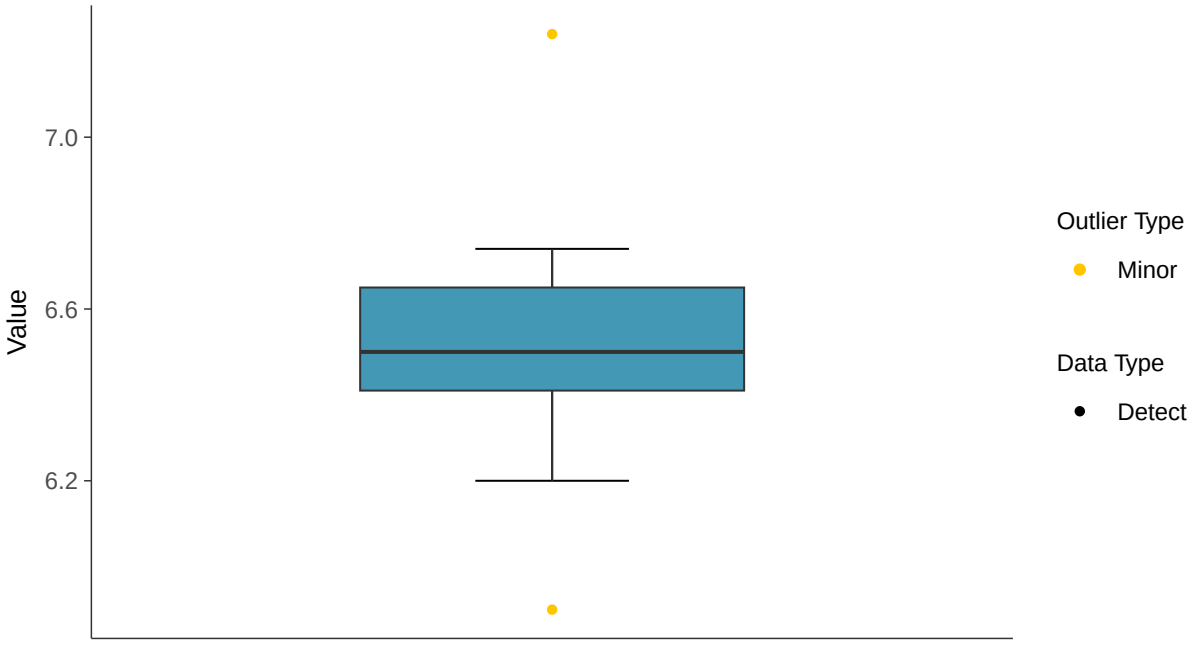
ID: 16_2_105





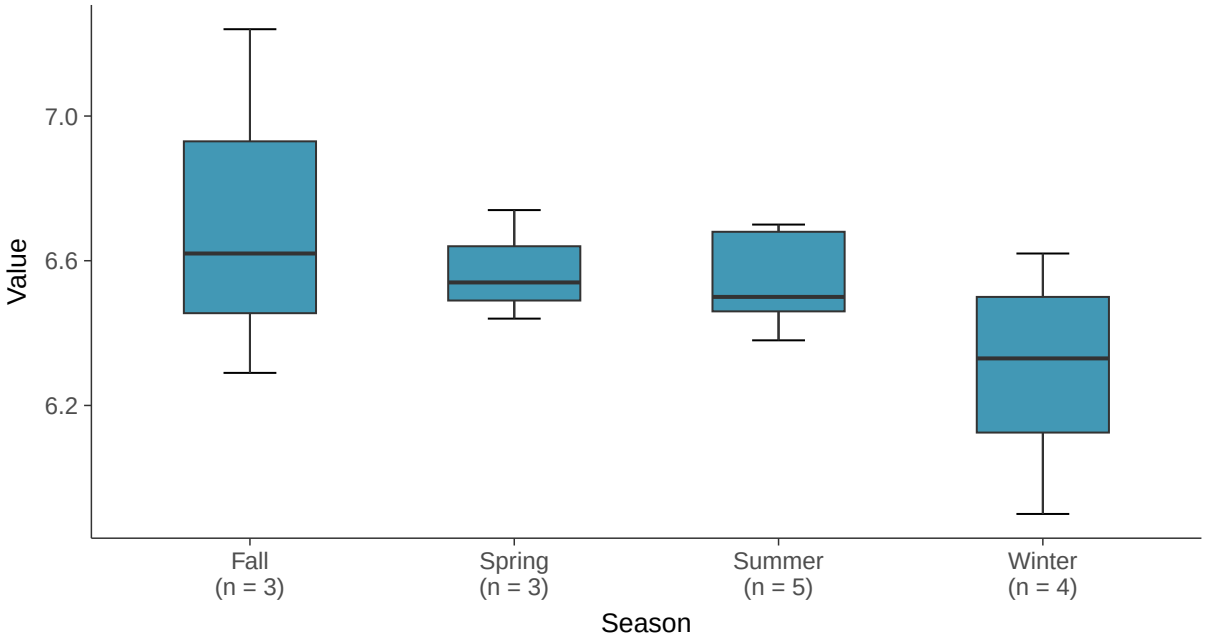
Boxplot

Boron, MW-7C (mg/l)



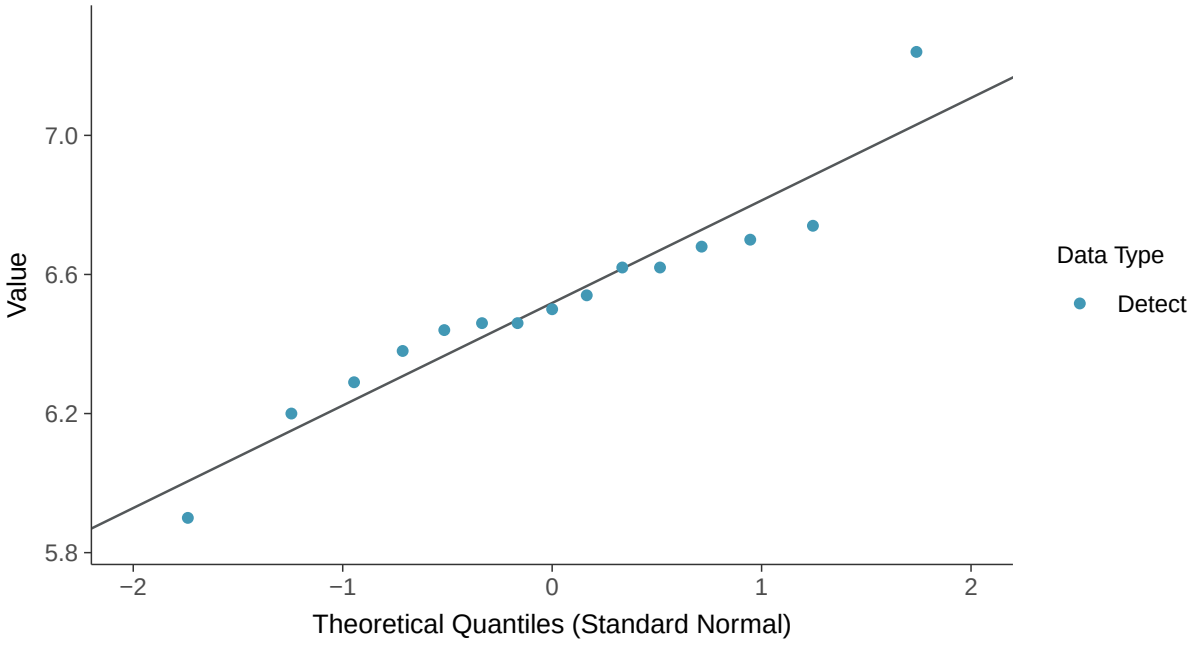
Boxplot by Season

Boron, MW-7C (mg/l)



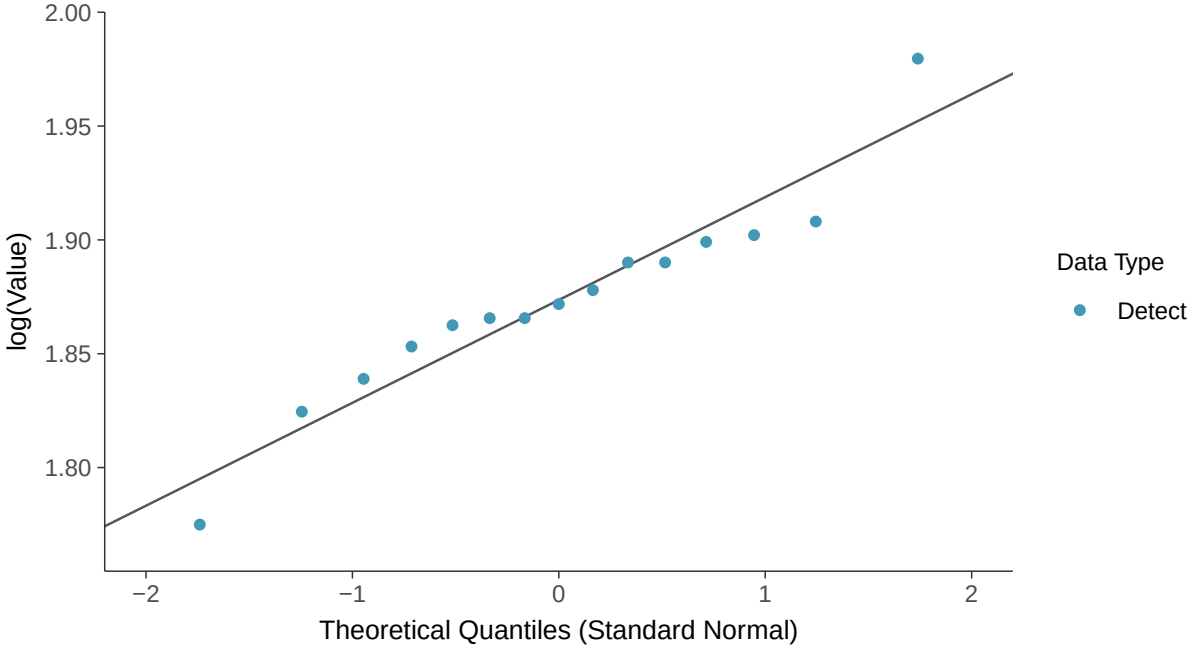
Normal Q-Q plot

Boron, MW-7C (mg/l)



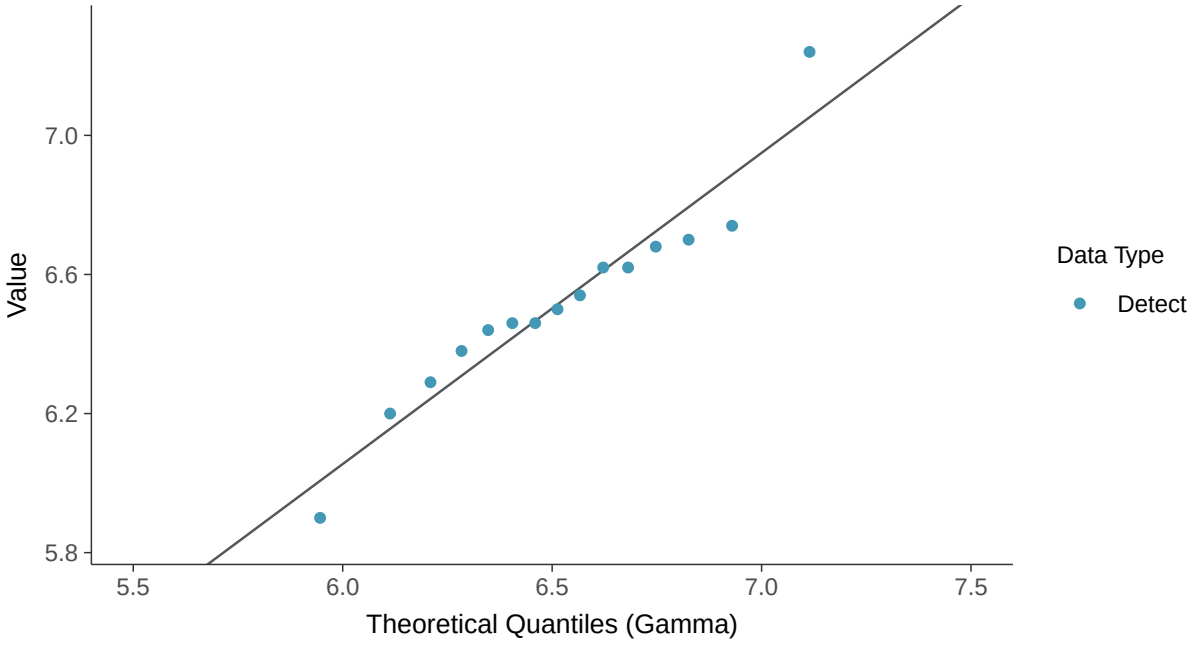
Lognormal Q-Q plot

Boron, MW-7C (mg/l)



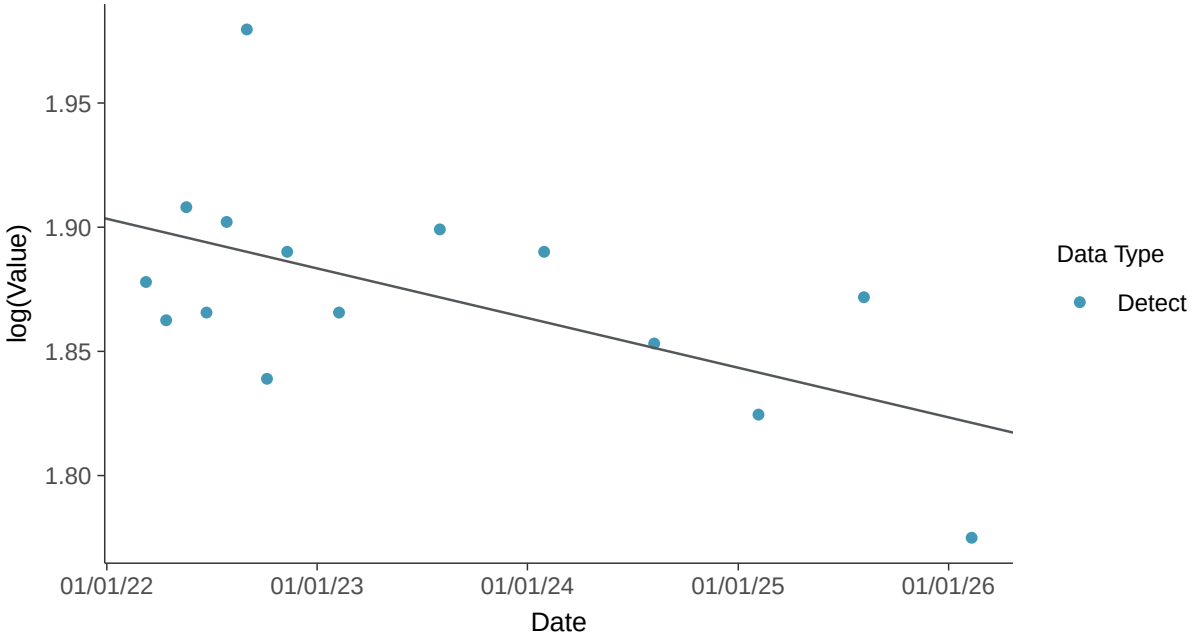
Gamma Q-Q plot

Boron, MW-7C (mg/l)



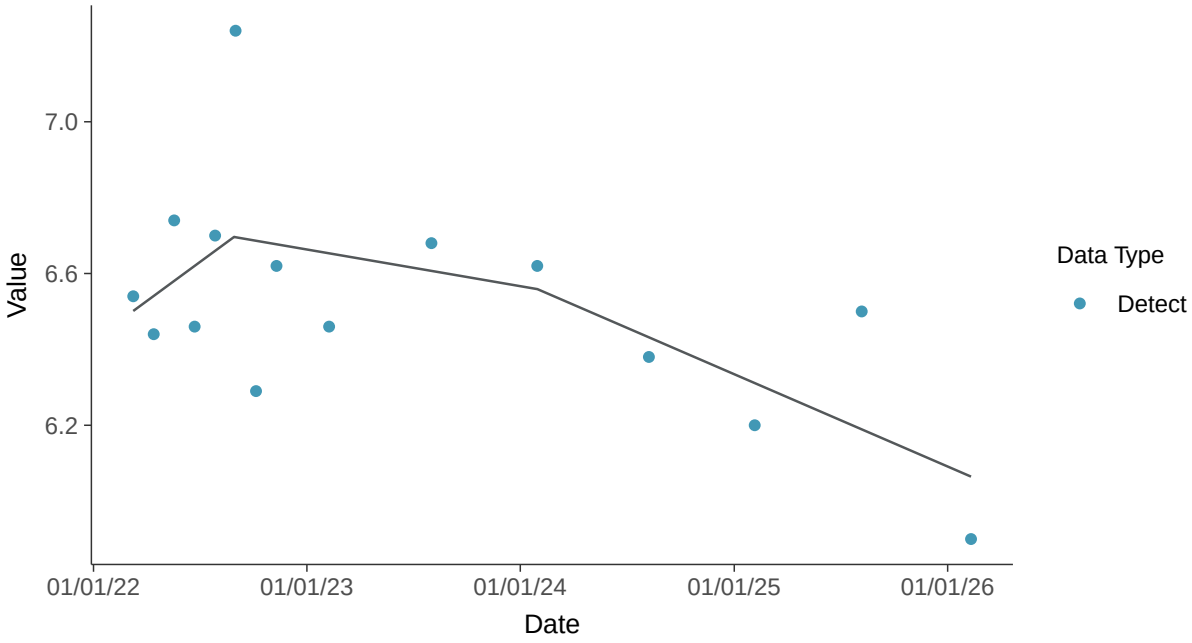
Trend Regression: Lognormal MLE

Boron, MW-7C (mg/l)



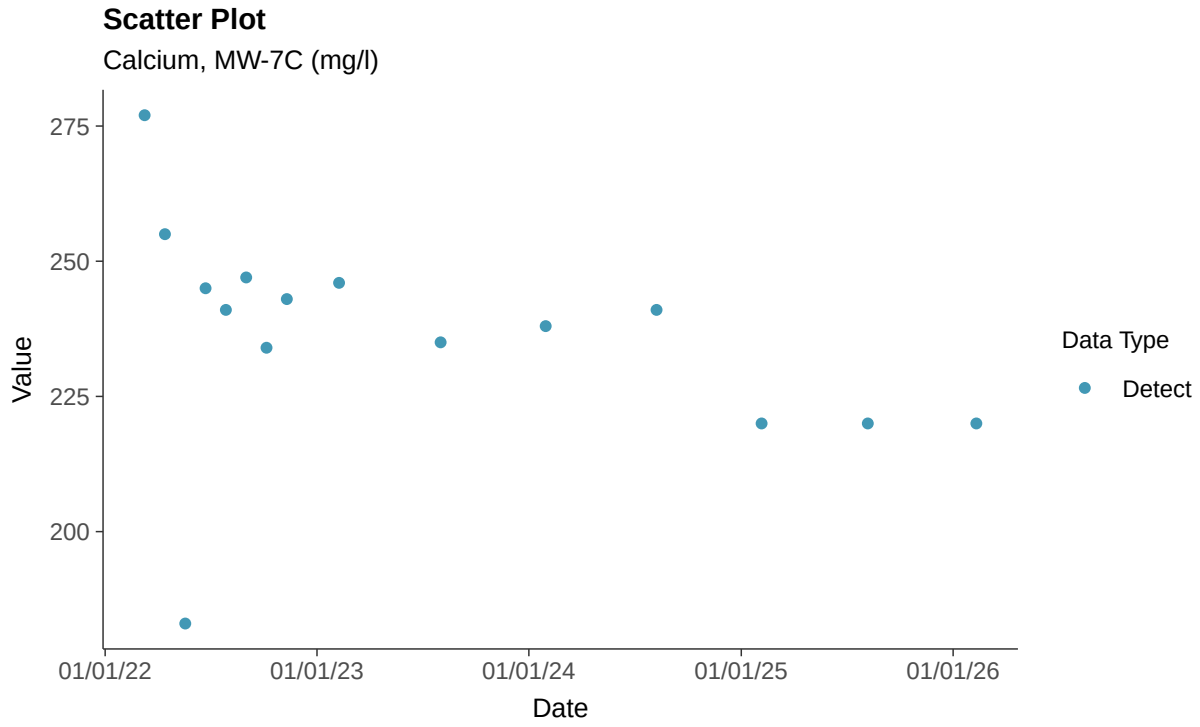
Trend Regression: Piecewise Linear-Linear-Linear

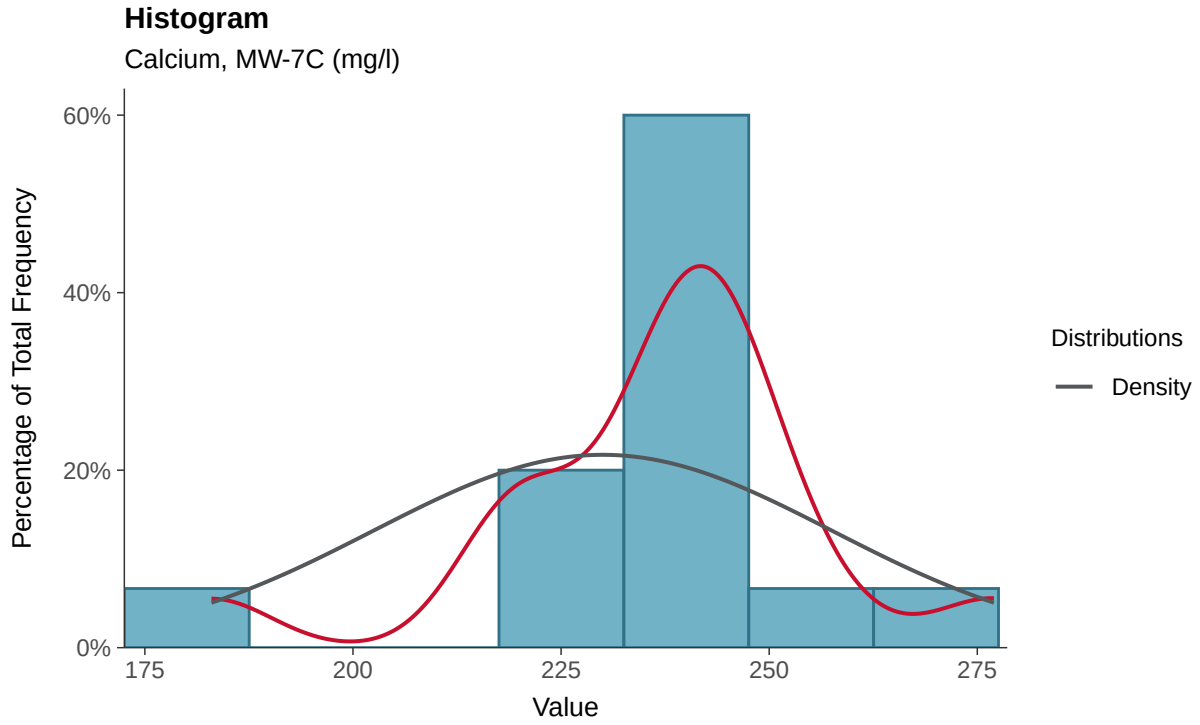
Boron, MW-7C (mg/l)



Appendix III: Calcium, MW-7C

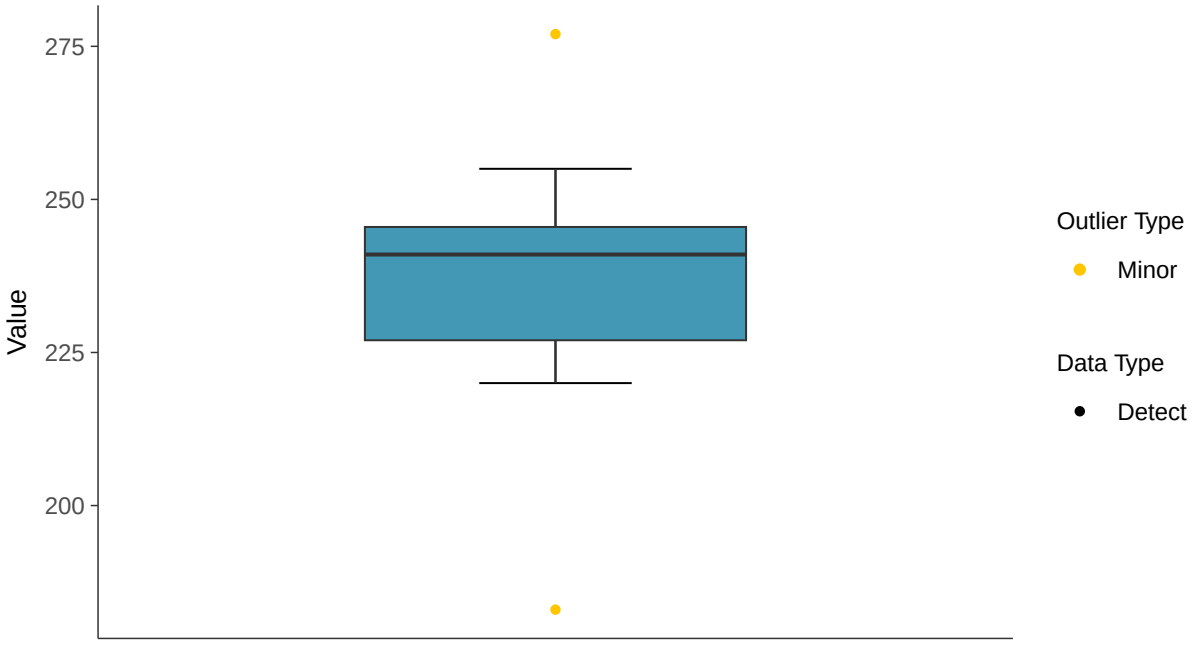
ID: 16_2_107





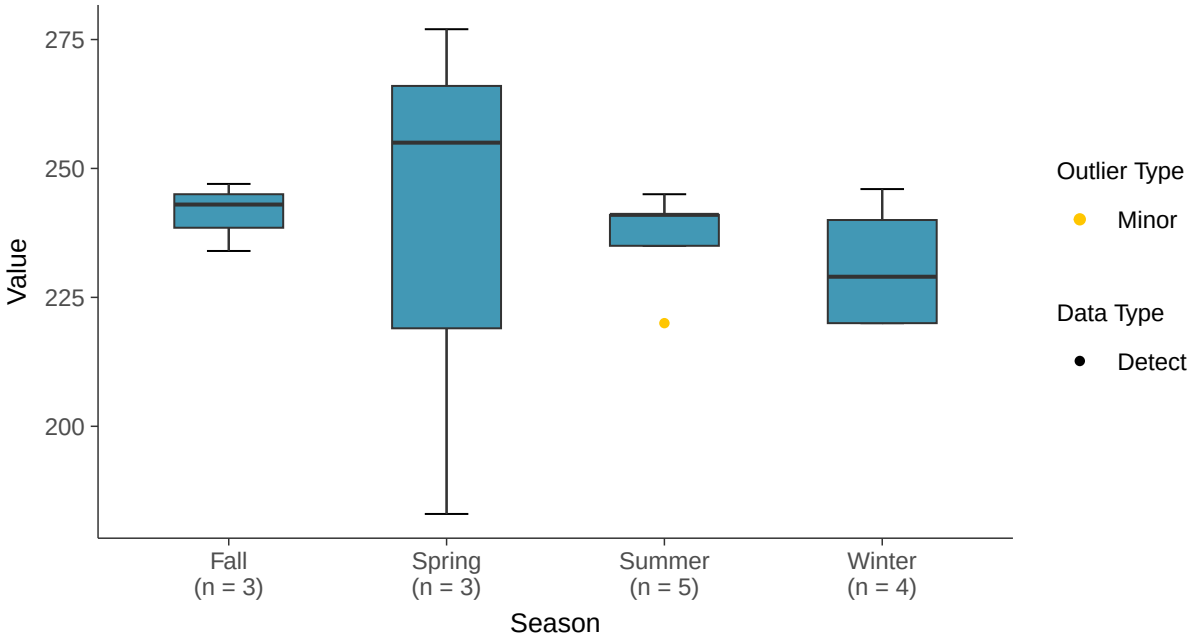
Boxplot

Calcium, MW-7C (mg/l)



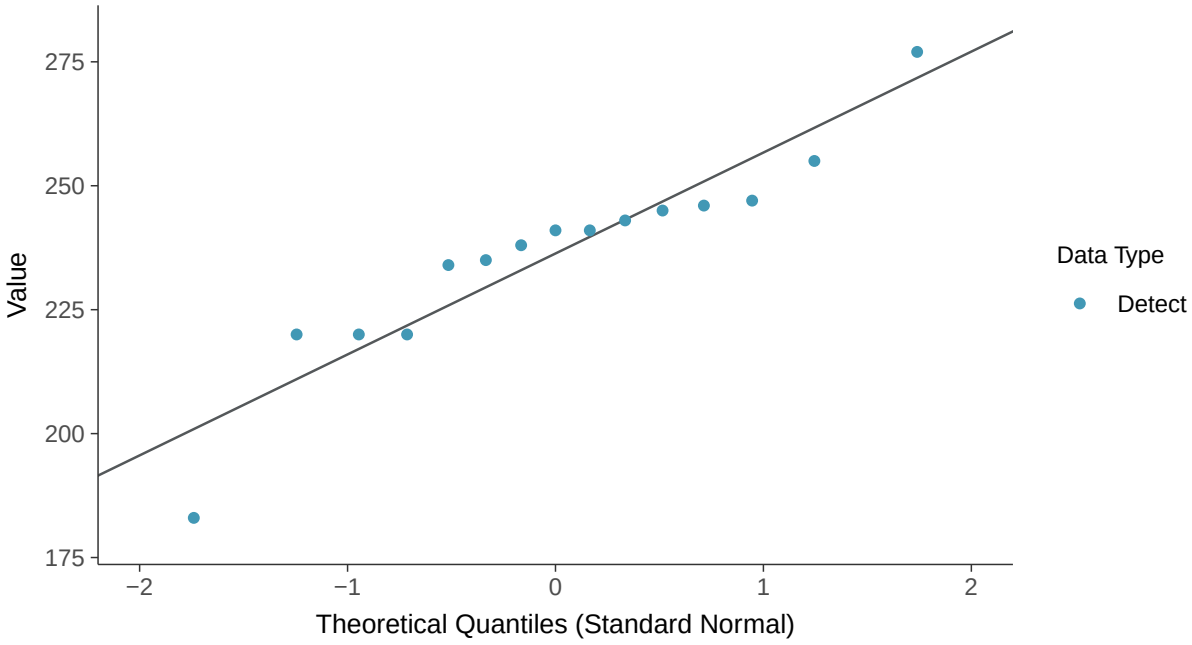
Boxplot by Season

Calcium, MW-7C (mg/l)



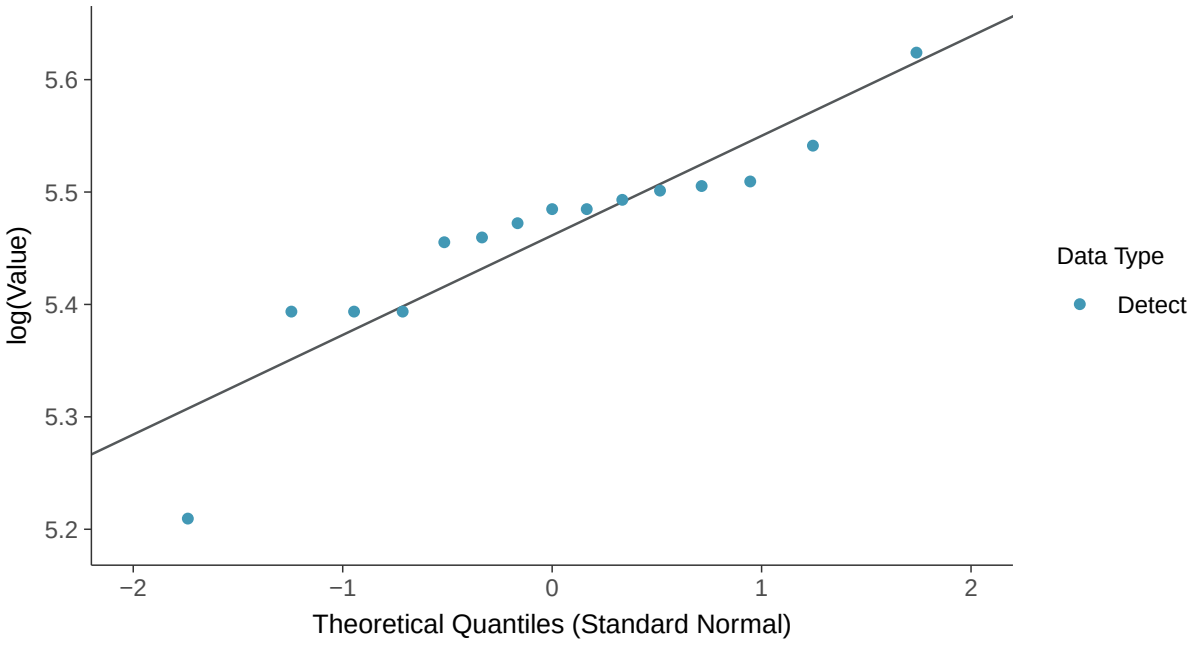
Normal Q-Q plot

Calcium, MW-7C (mg/l)



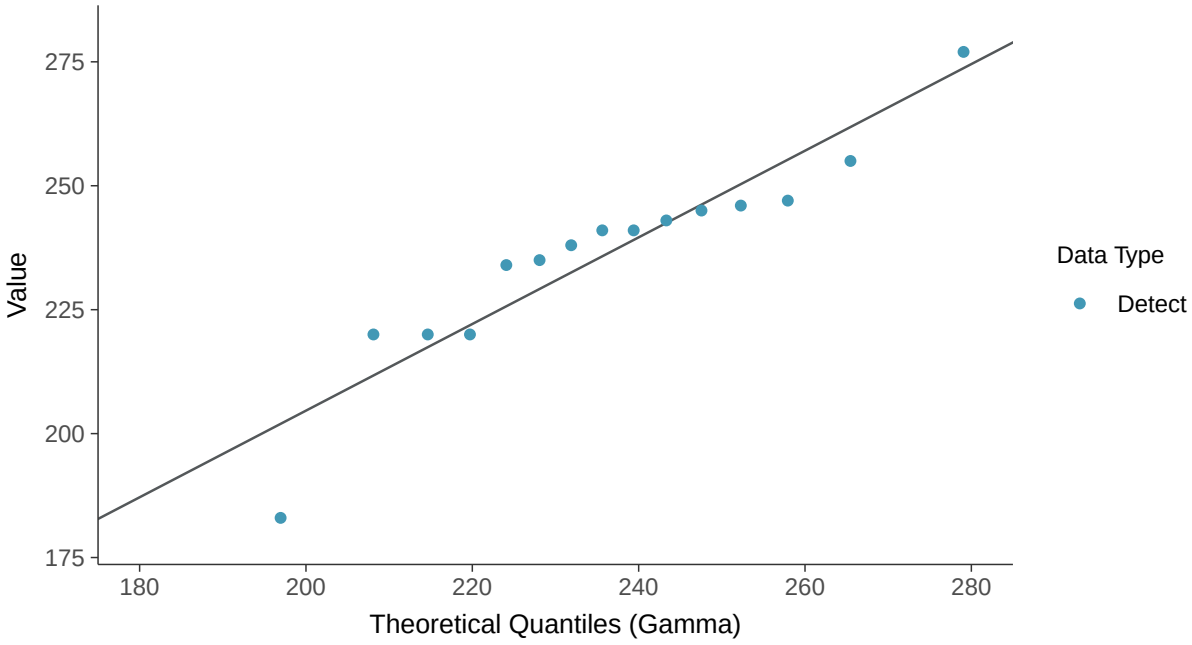
Lognormal Q-Q plot

Calcium, MW-7C (mg/l)



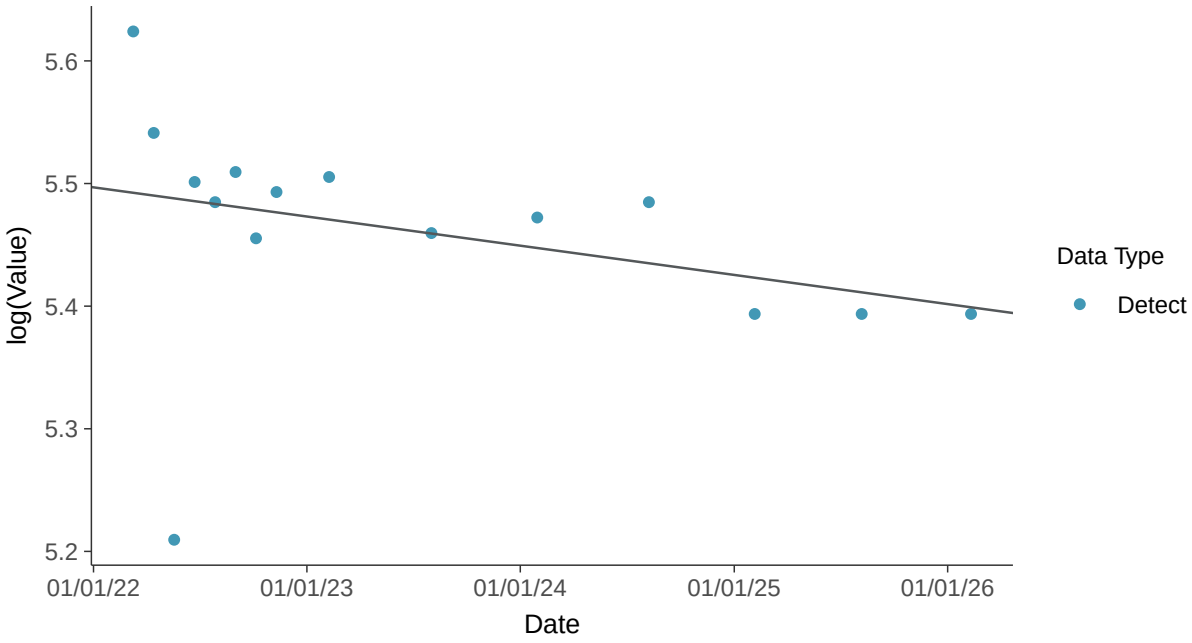
Gamma Q-Q plot

Calcium, MW-7C (mg/l)



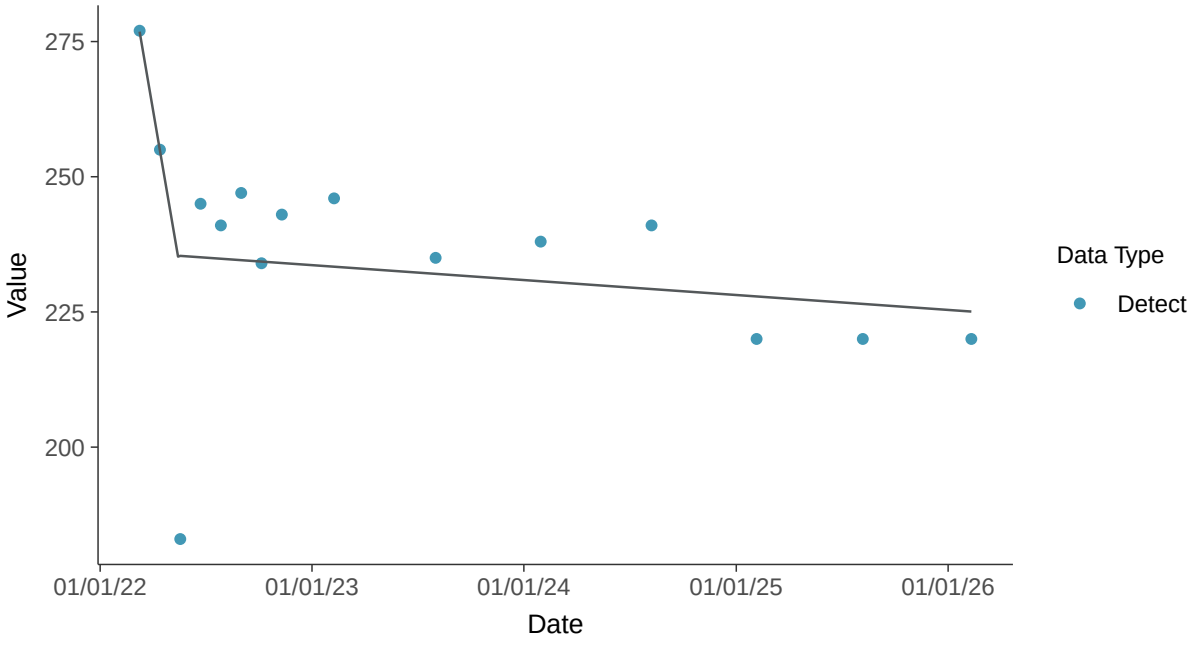
Trend Regression: Lognormal MLE

Calcium, MW-7C (mg/l)



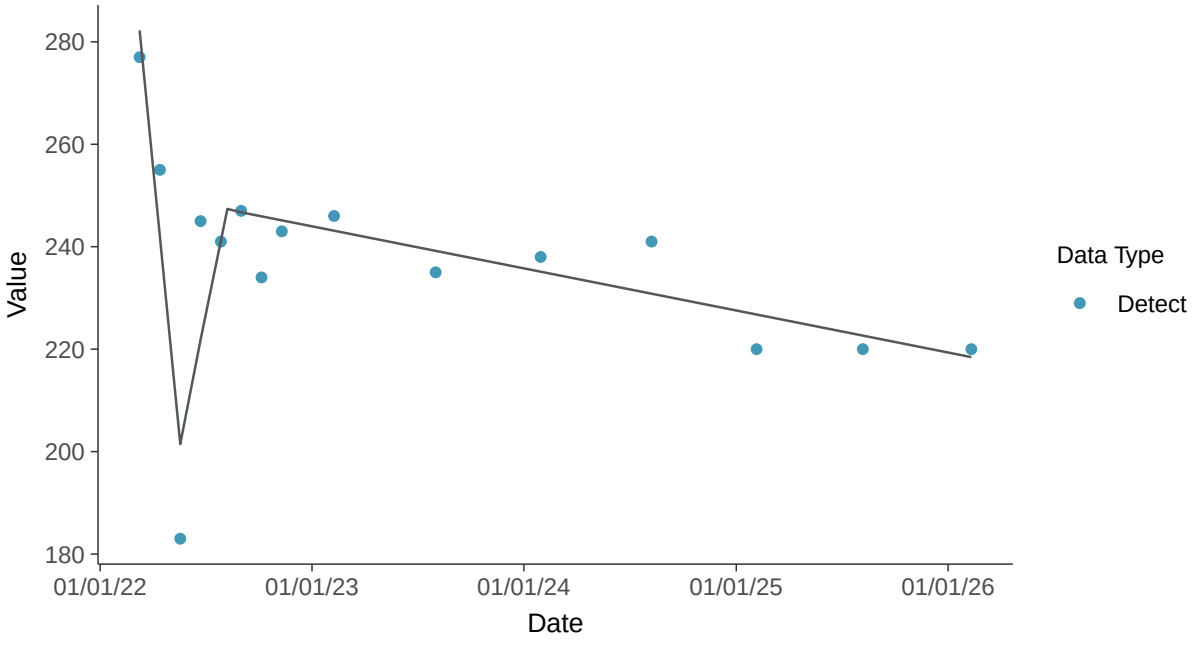
Trend Regression: Piecewise Linear-Linear

Calcium, MW-7C (mg/l)



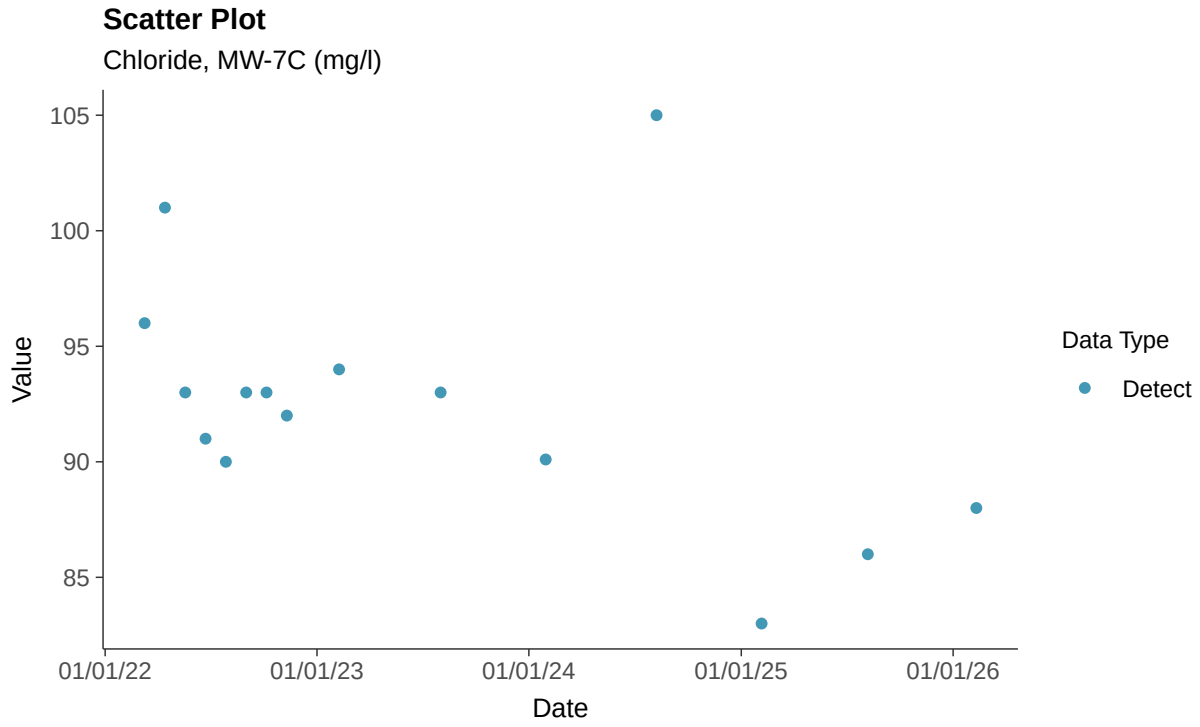
Trend Regression: Piecewise Linear-Linear-Linear

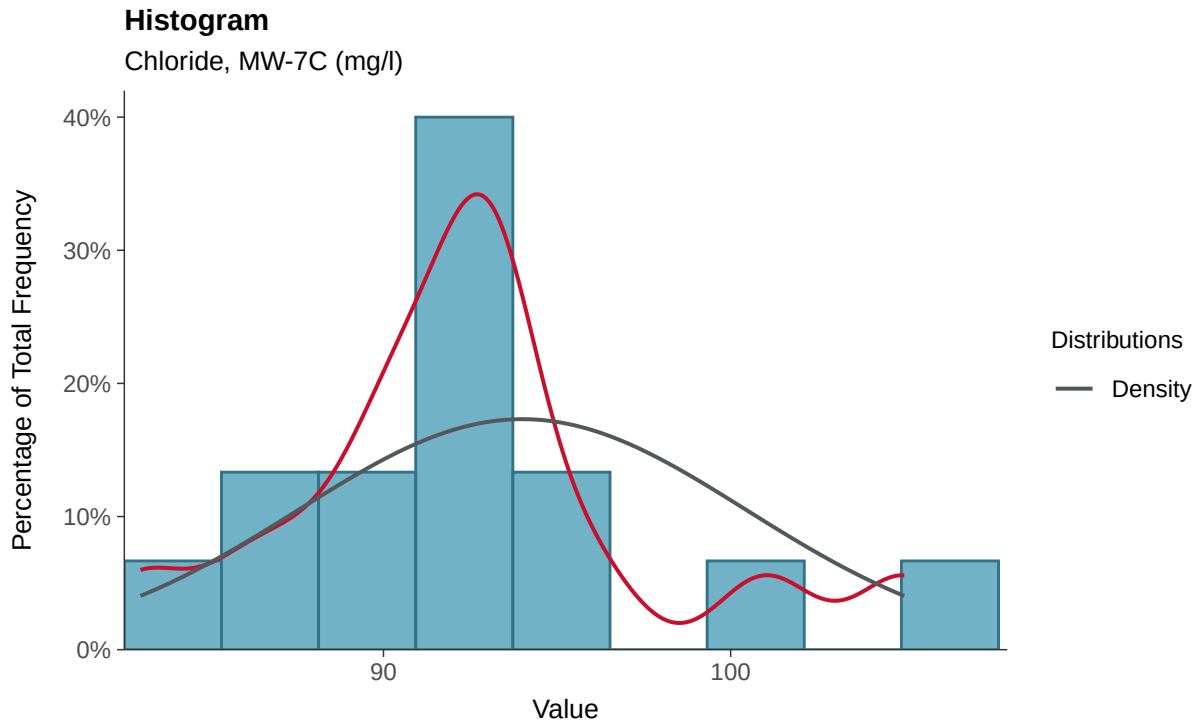
Calcium, MW-7C (mg/l)



Appendix III: Chloride, MW-7C

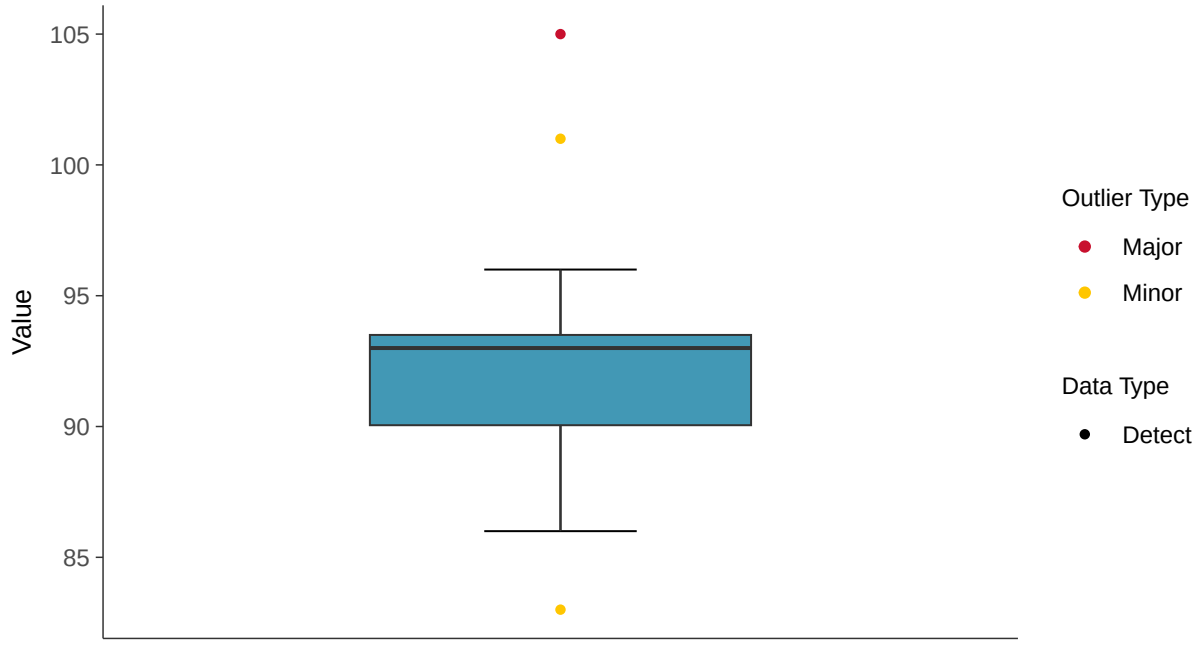
ID: 16_2_108





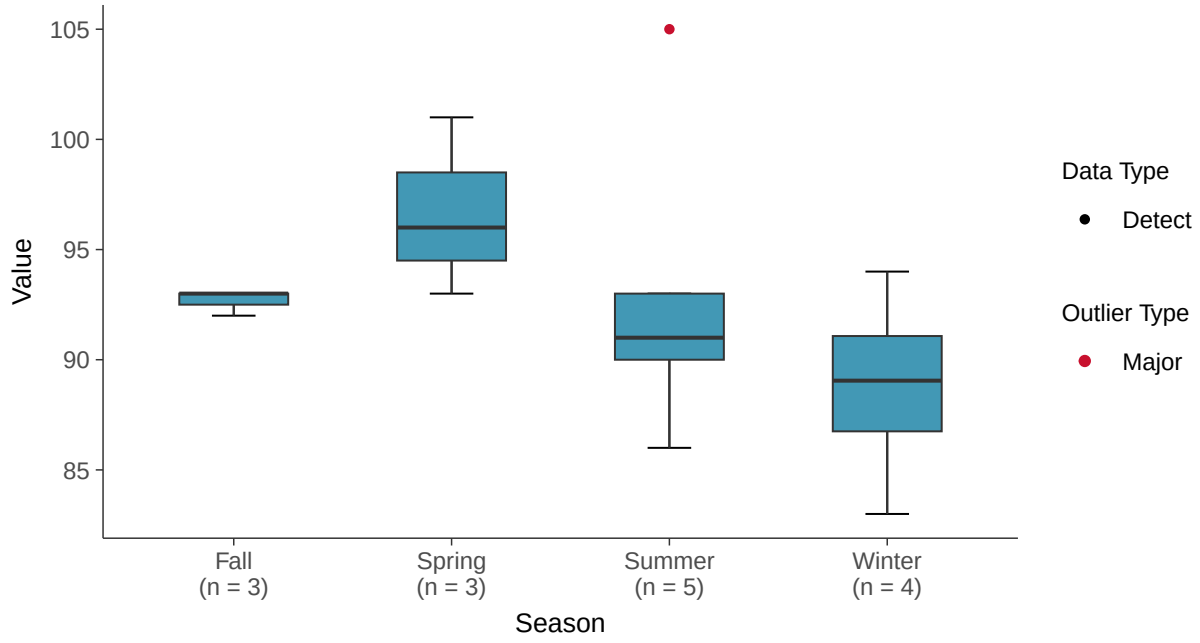
Boxplot

Chloride, MW-7C (mg/l)



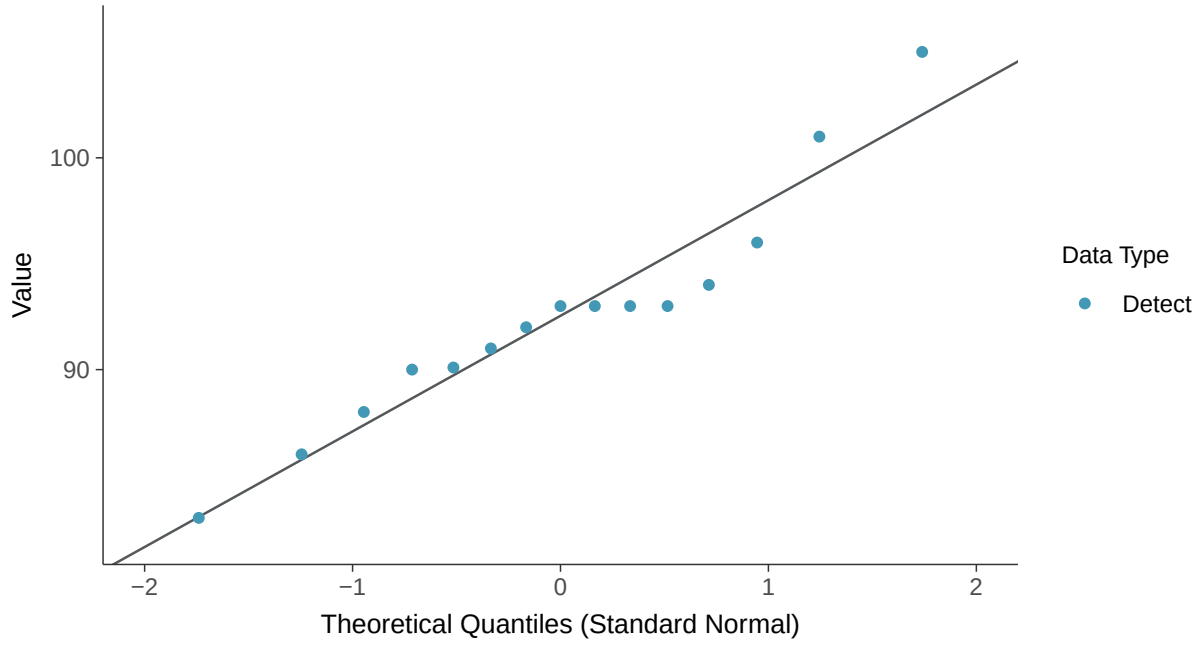
Boxplot by Season

Chloride, MW-7C (mg/l)



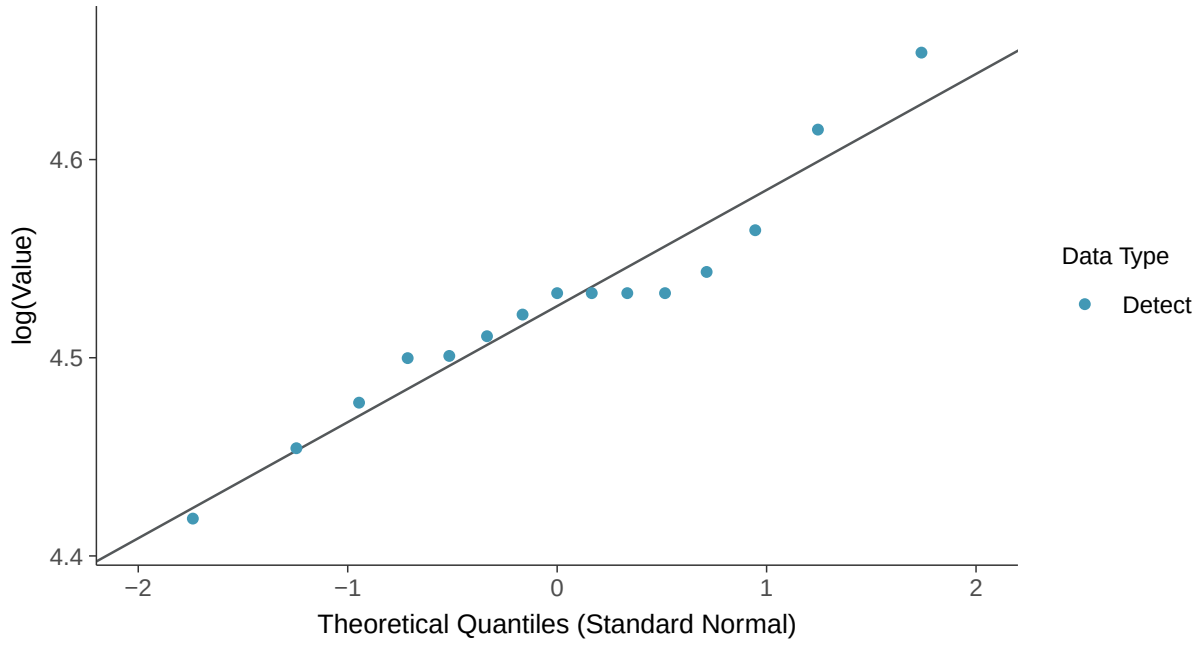
Normal Q-Q plot

Chloride, MW-7C (mg/l)



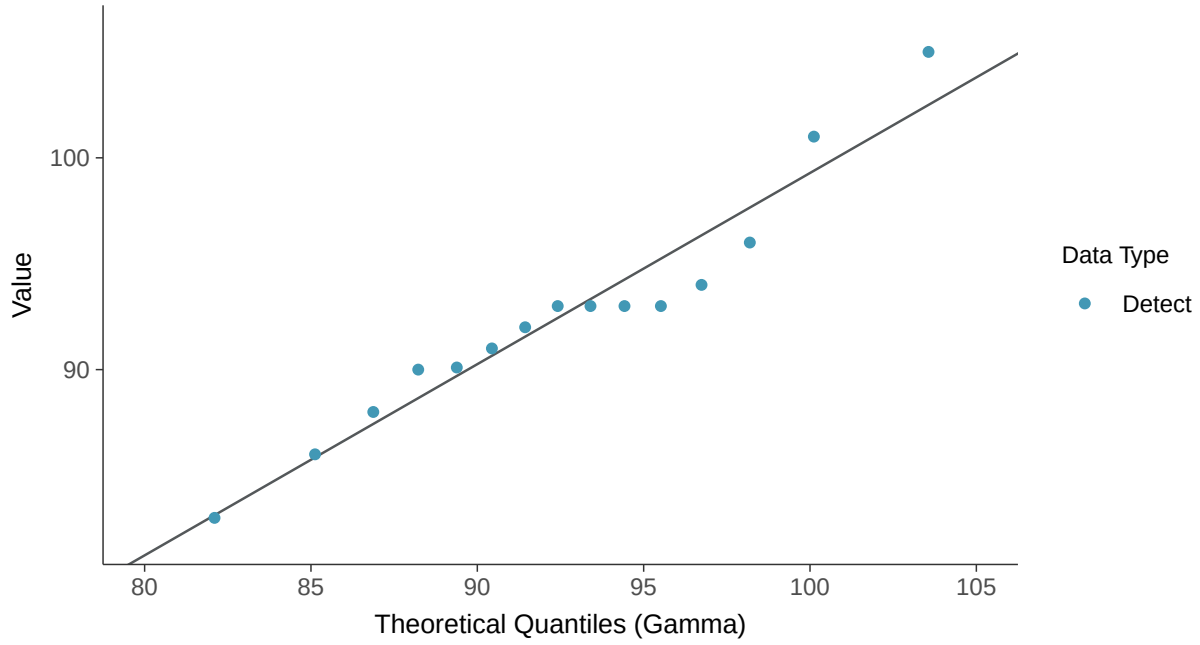
Lognormal Q-Q plot

Chloride, MW-7C (mg/l)



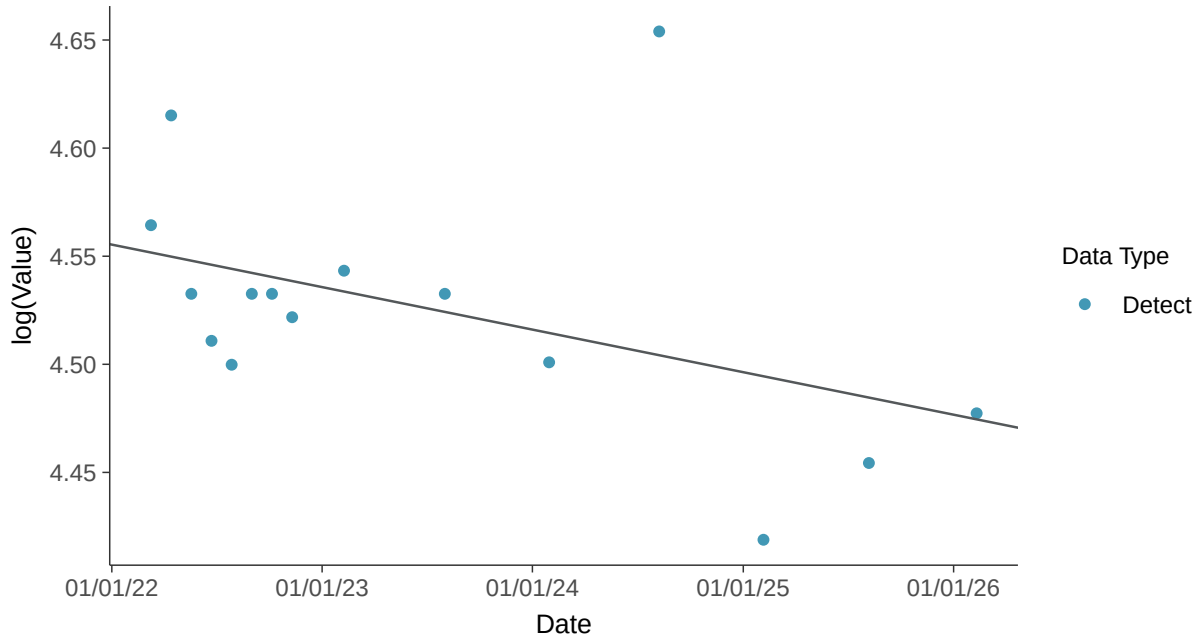
Gamma Q-Q plot

Chloride, MW-7C (mg/l)



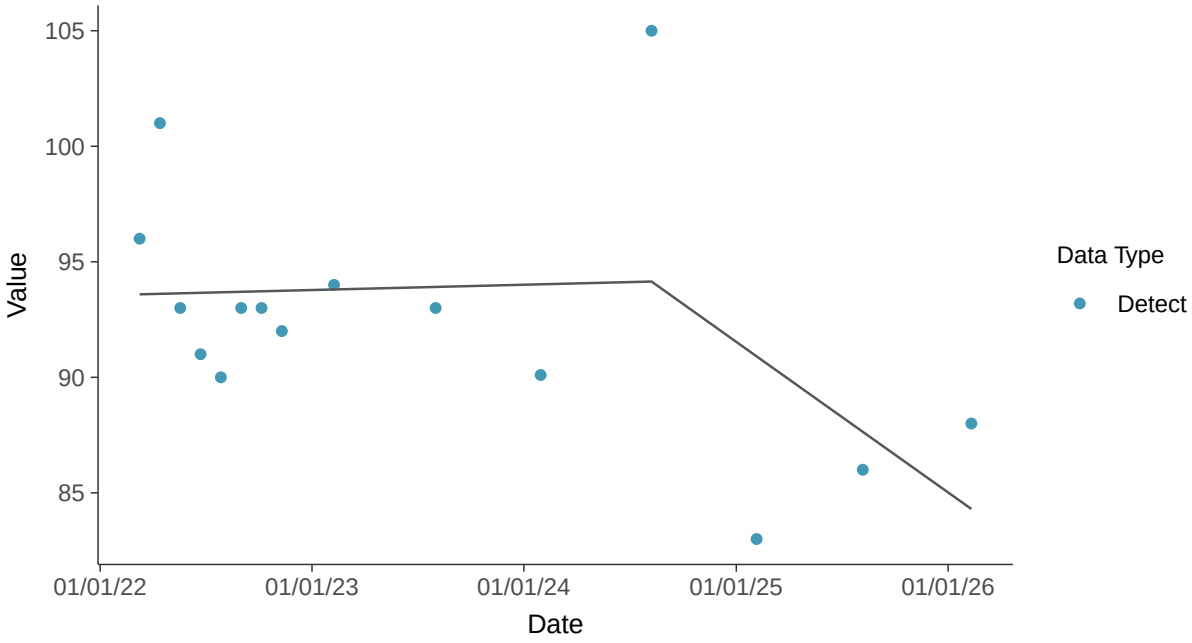
Trend Regression: Lognormal MLE

Chloride, MW-7C (mg/l)



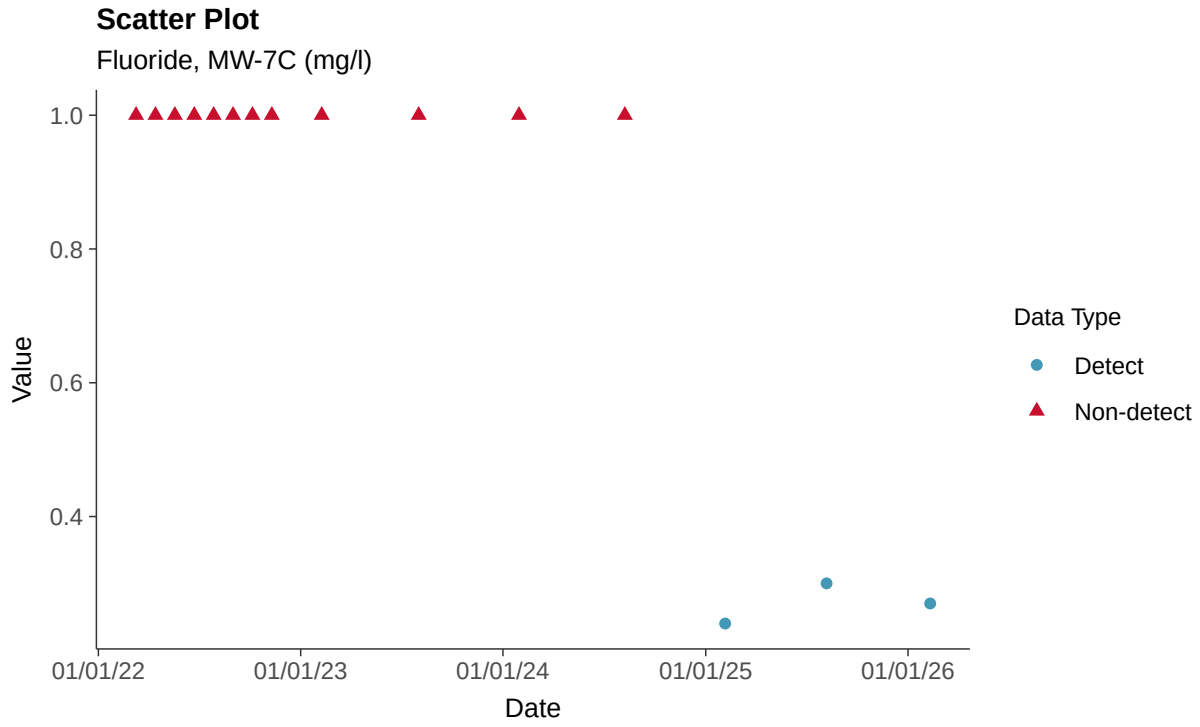
Trend Regression: Piecewise Linear-Linear

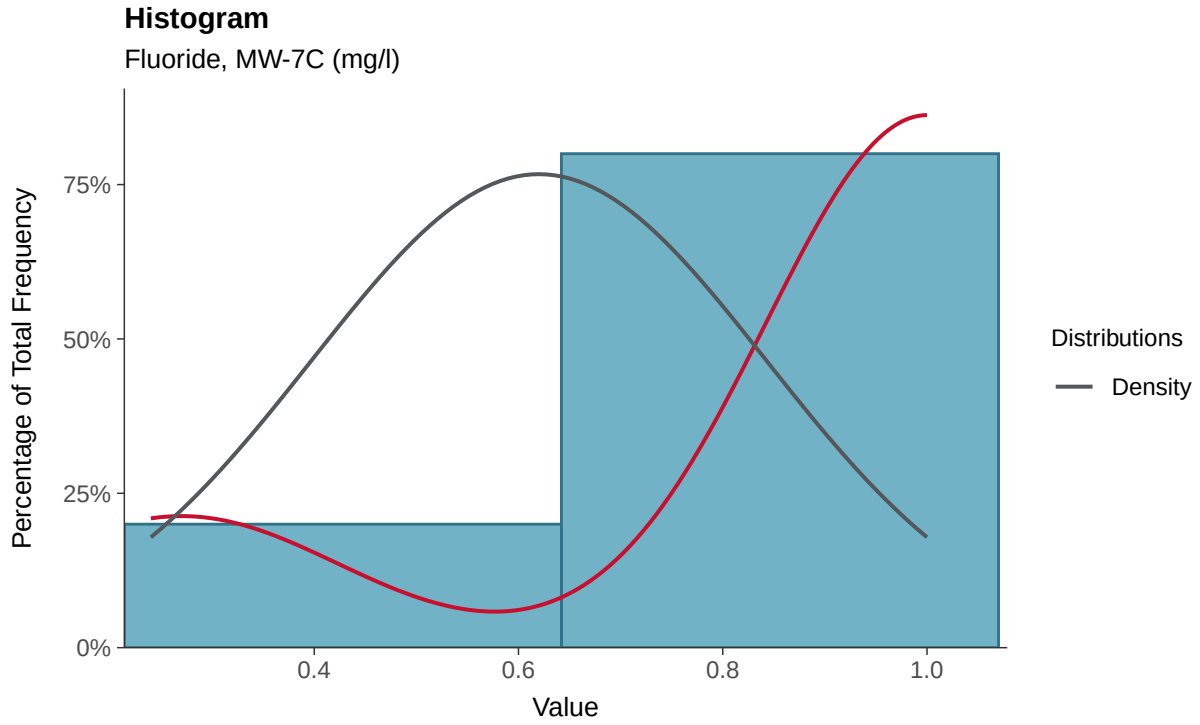
Chloride, MW-7C (mg/l)



Appendix III: Fluoride, MW-7C

ID: 16_2_112



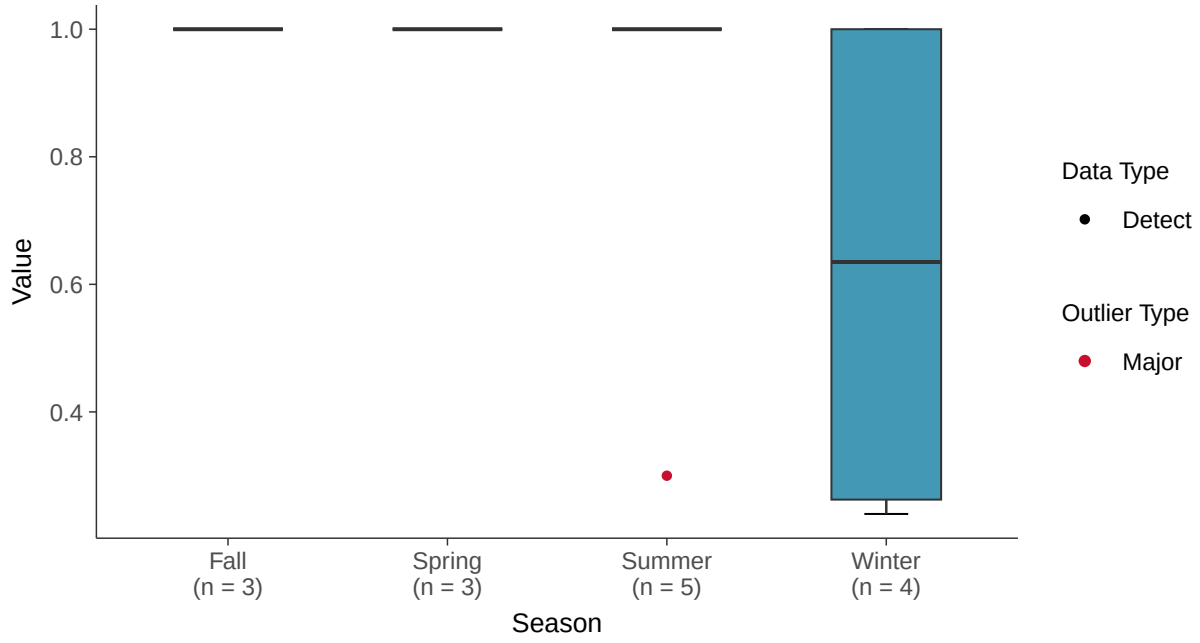


Boxplot

Fluoride, MW-7C (mg/l)

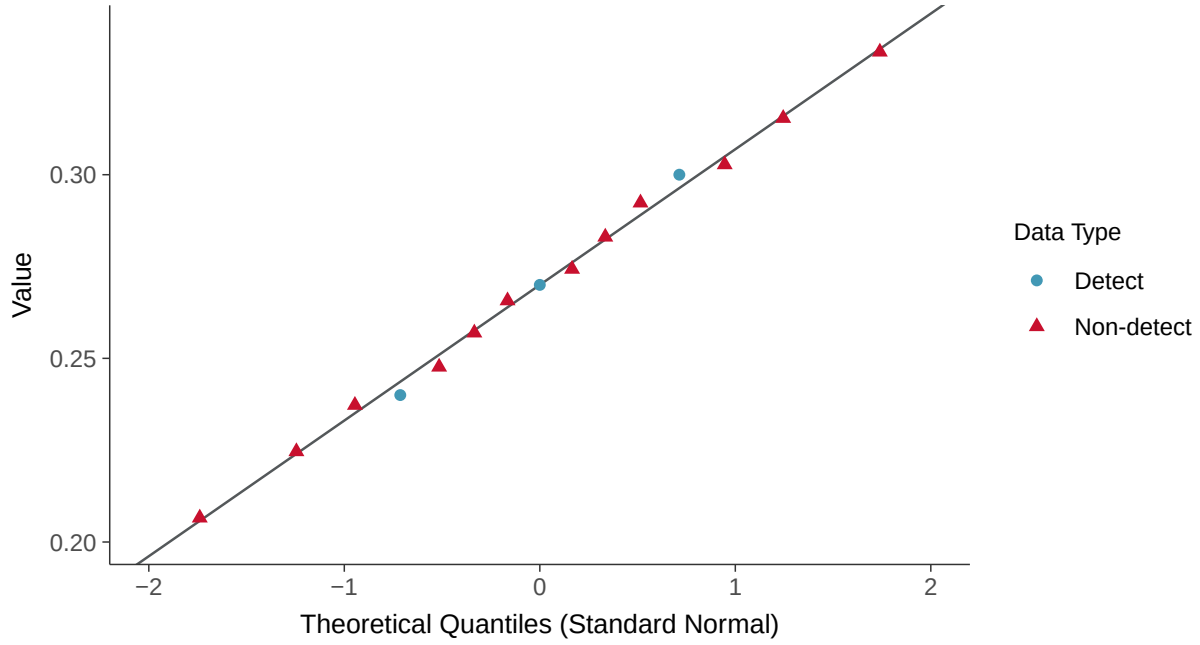
Boxplot by Season

Fluoride, MW-7C (mg/l)



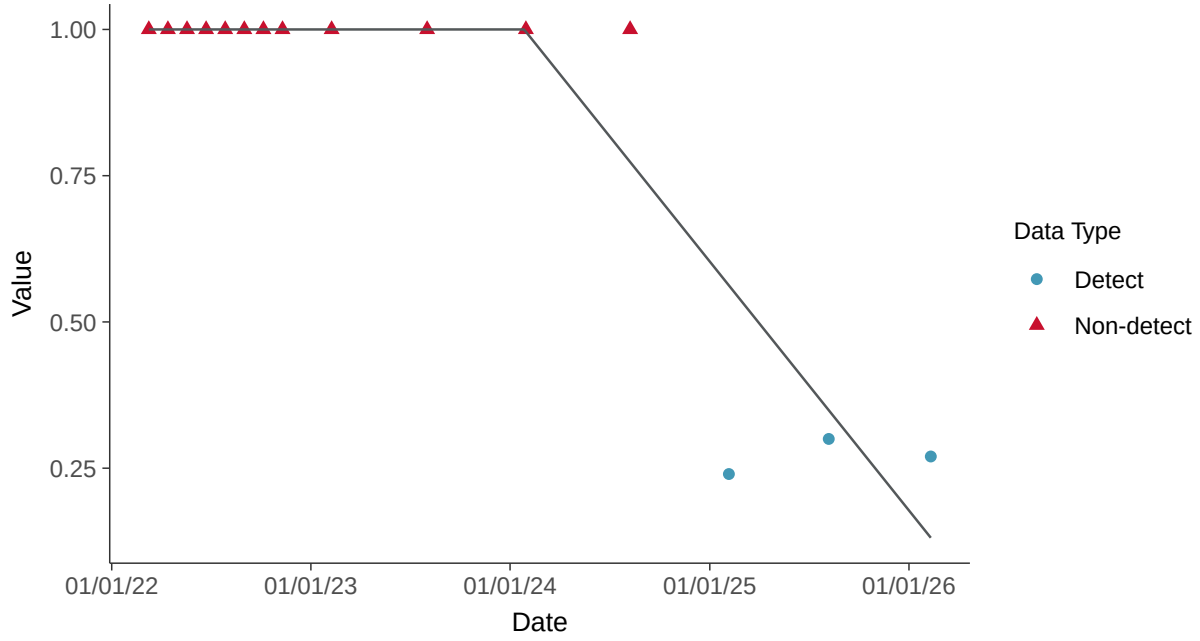
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-7C (mg/l)



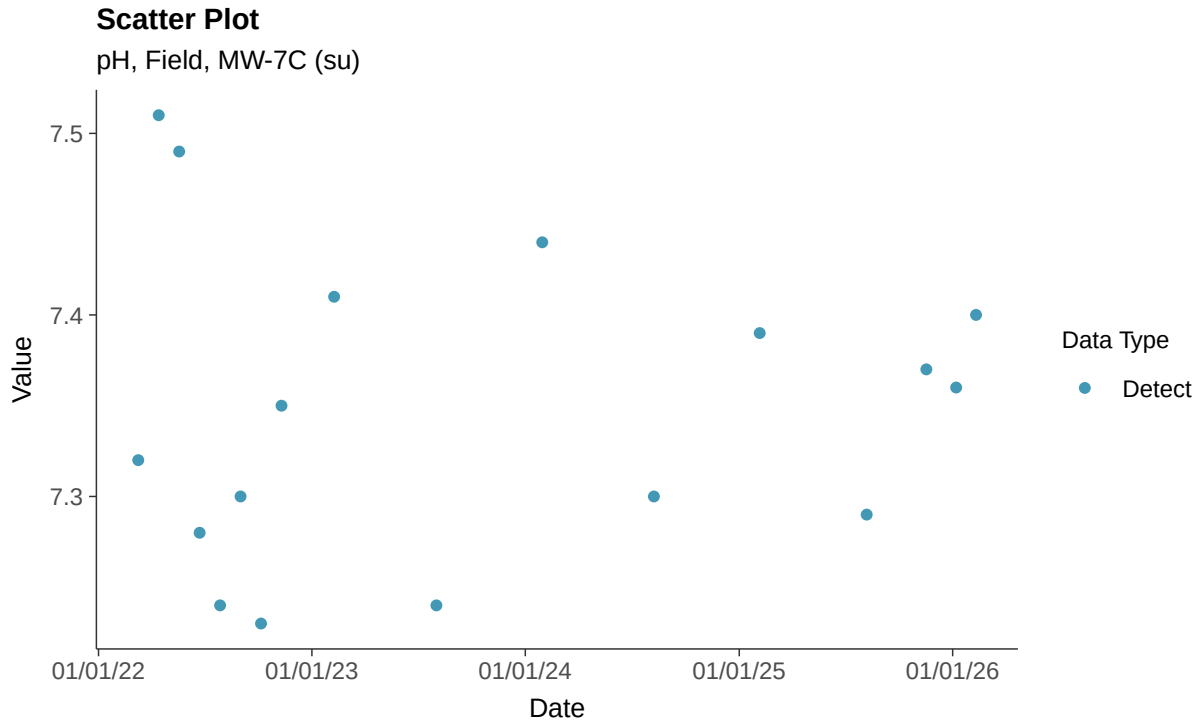
Trend Regression: Piecewise Linear-Linear

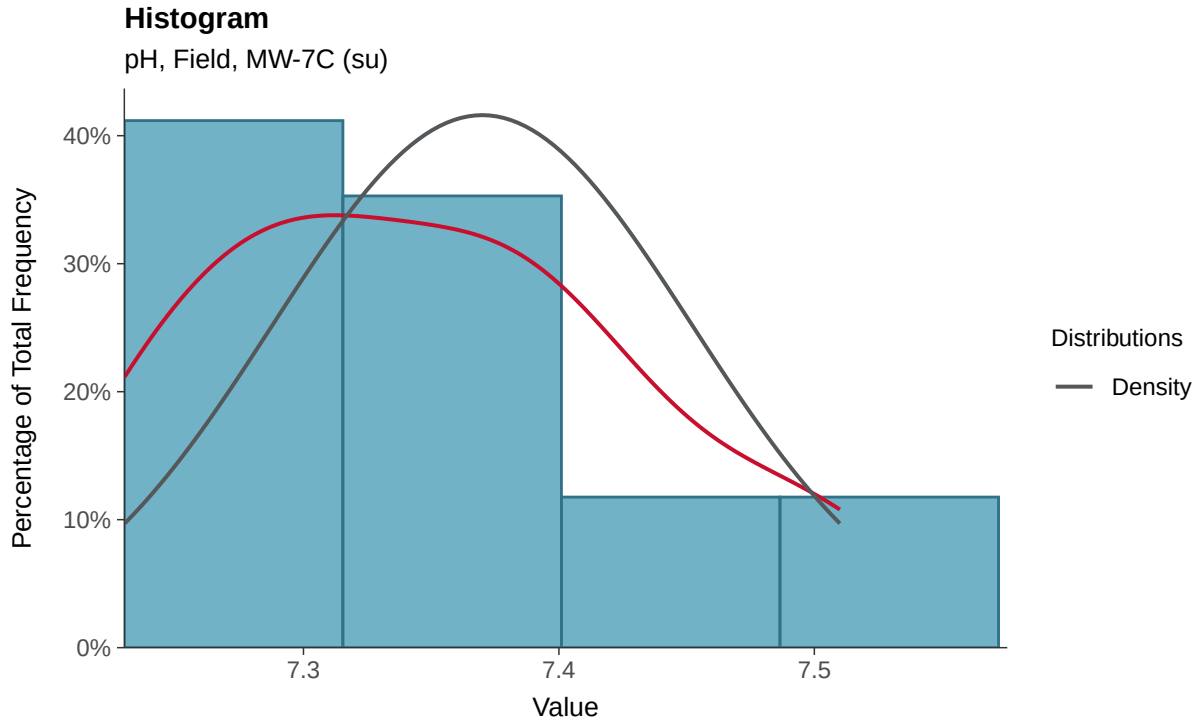
Fluoride, MW-7C (mg/l)



Appendix III: pH, Field, MW-7C

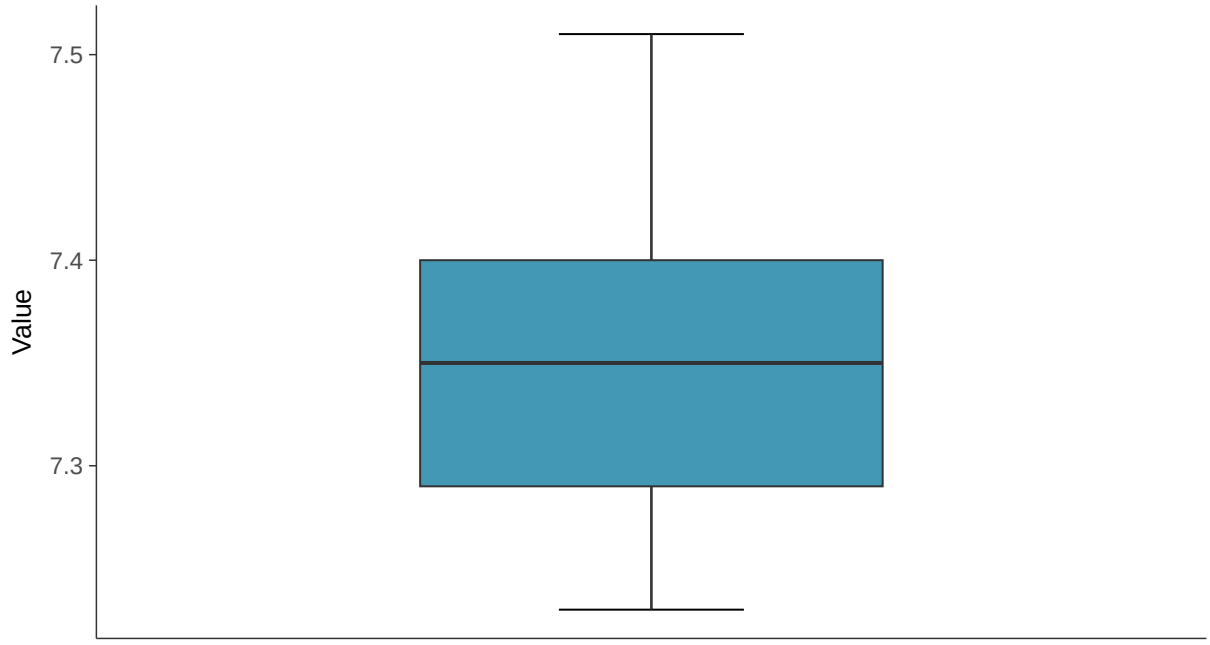
ID: 16_2_120





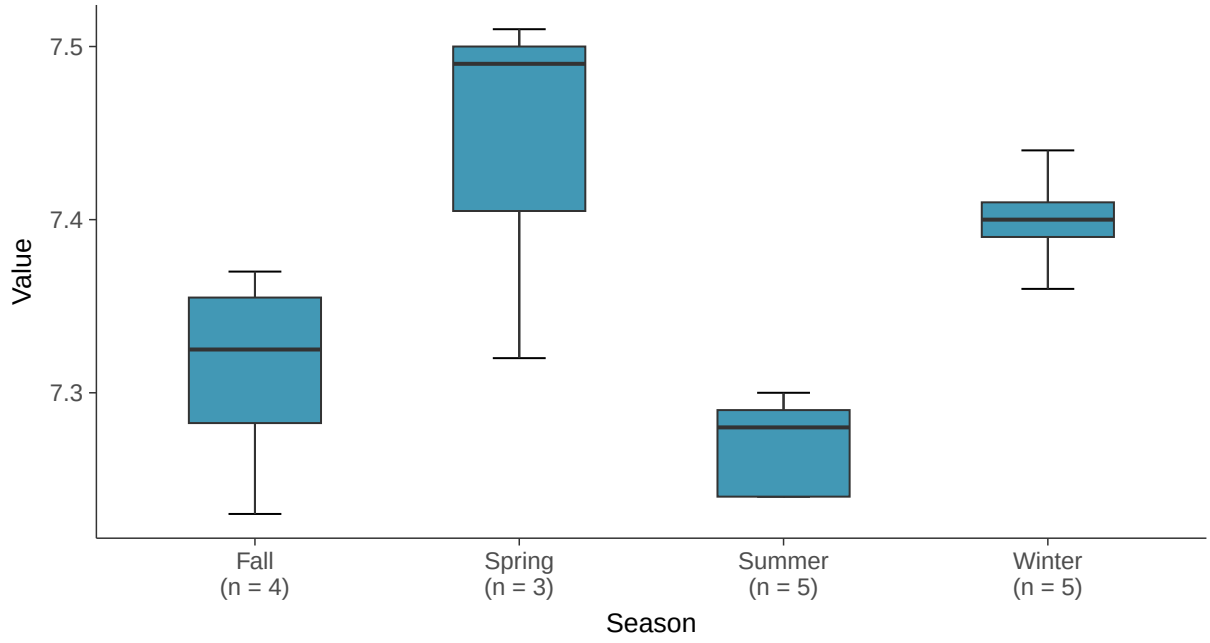
Boxplot

pH, Field, MW-7C (su)



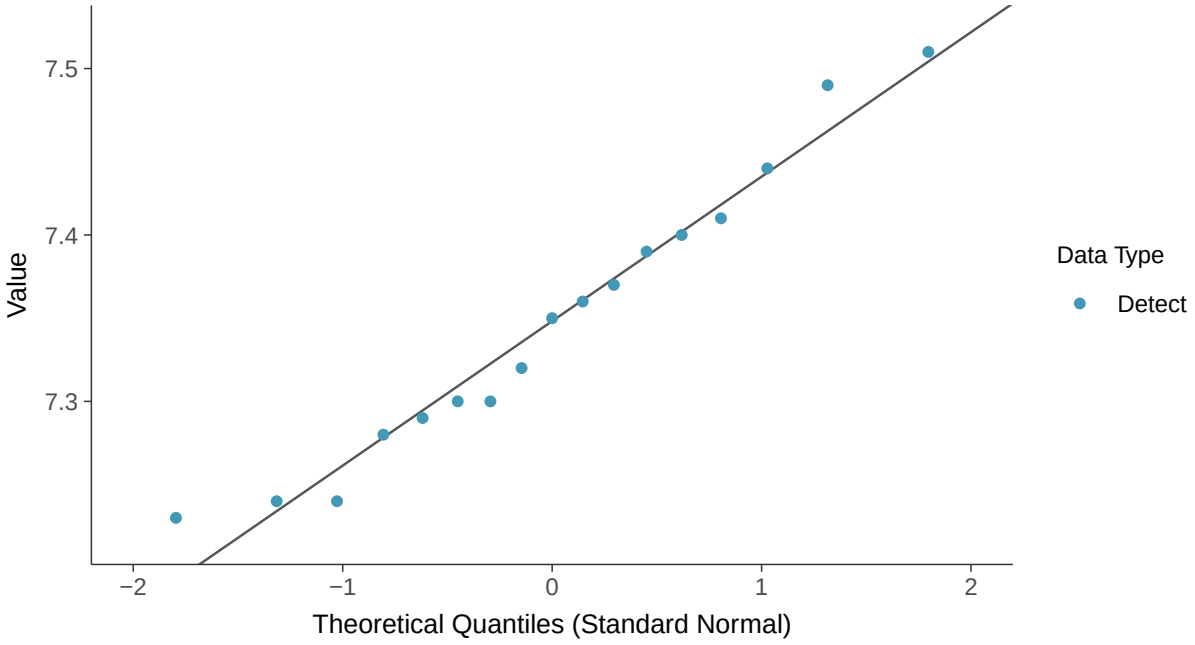
Boxplot by Season

pH, Field, MW-7C (su)



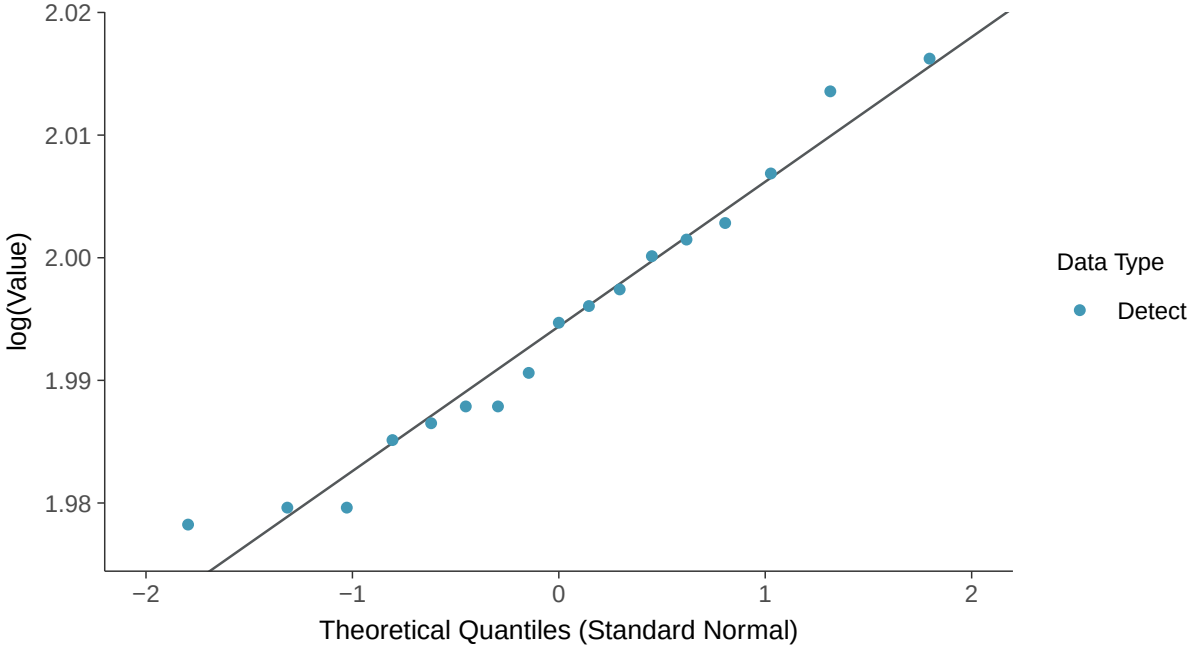
Normal Q-Q plot

pH, Field, MW-7C (su)



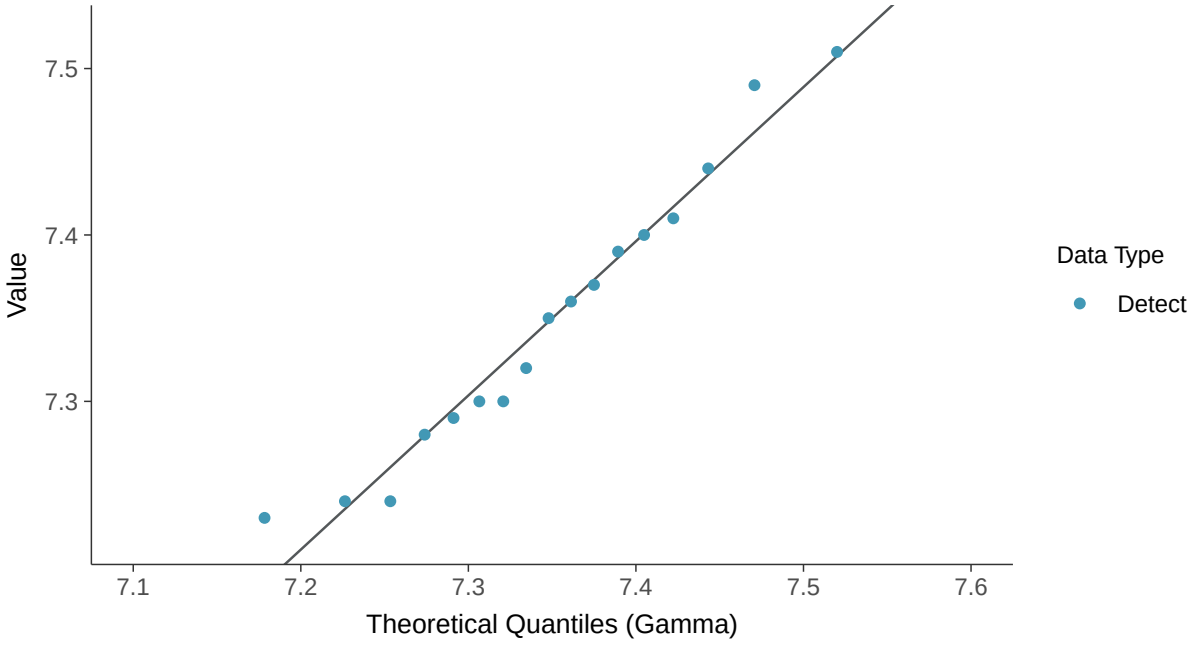
Lognormal Q-Q plot

pH, Field, MW-7C (su)



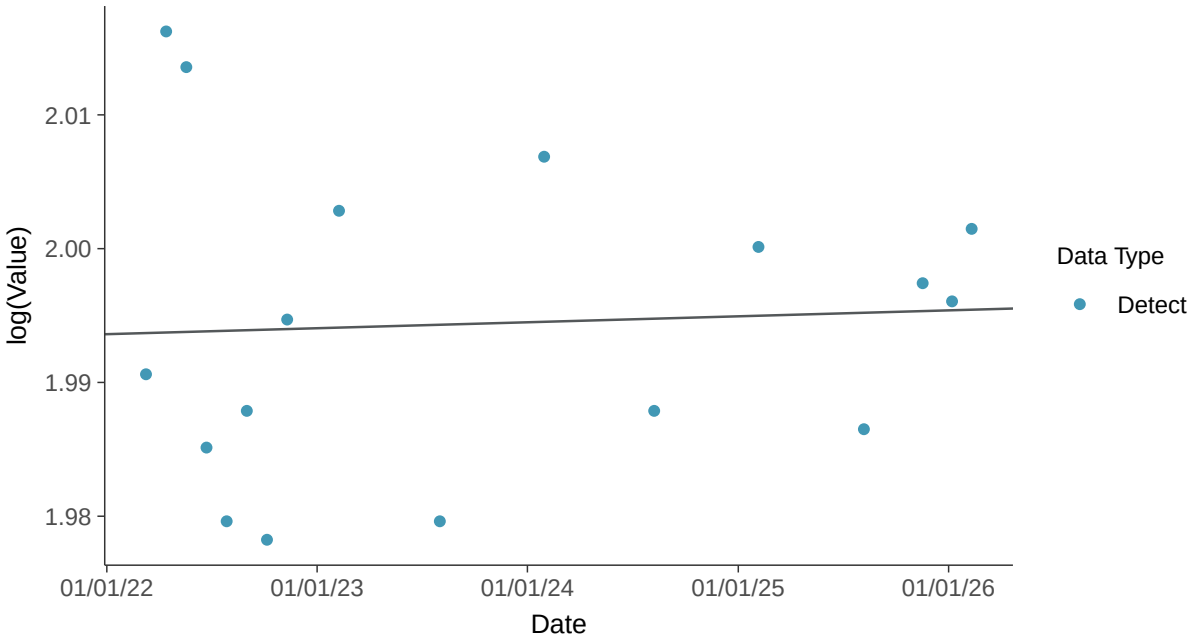
Gamma Q-Q plot

pH, Field, MW-7C (su)



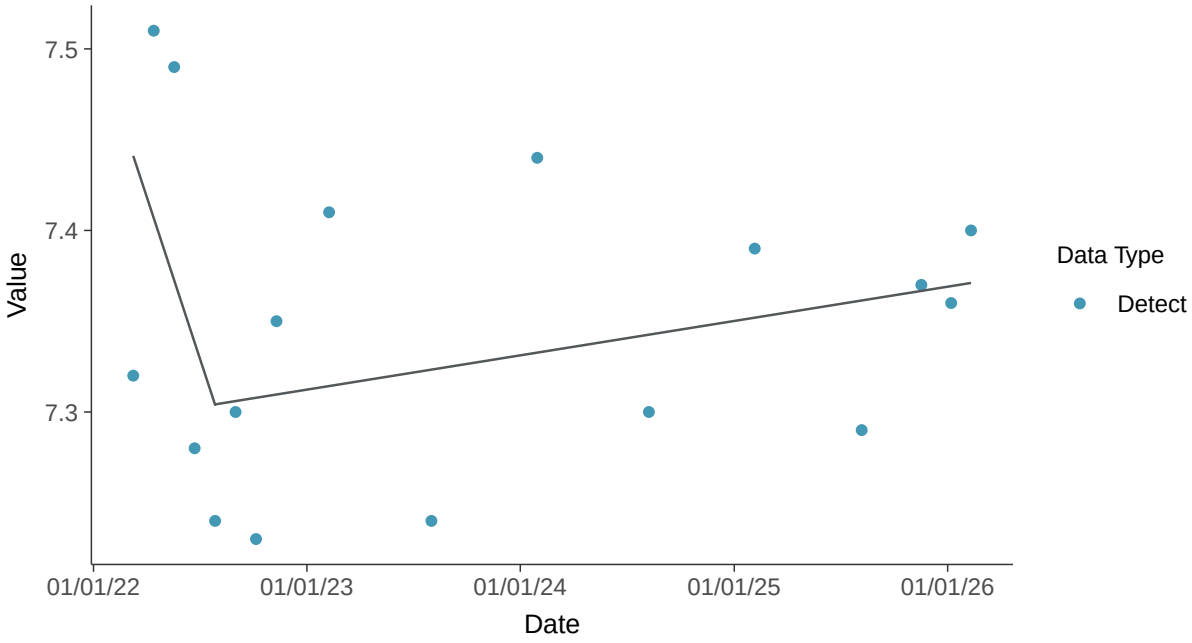
Trend Regression: Lognormal MLE

pH, Field, MW-7C (su)



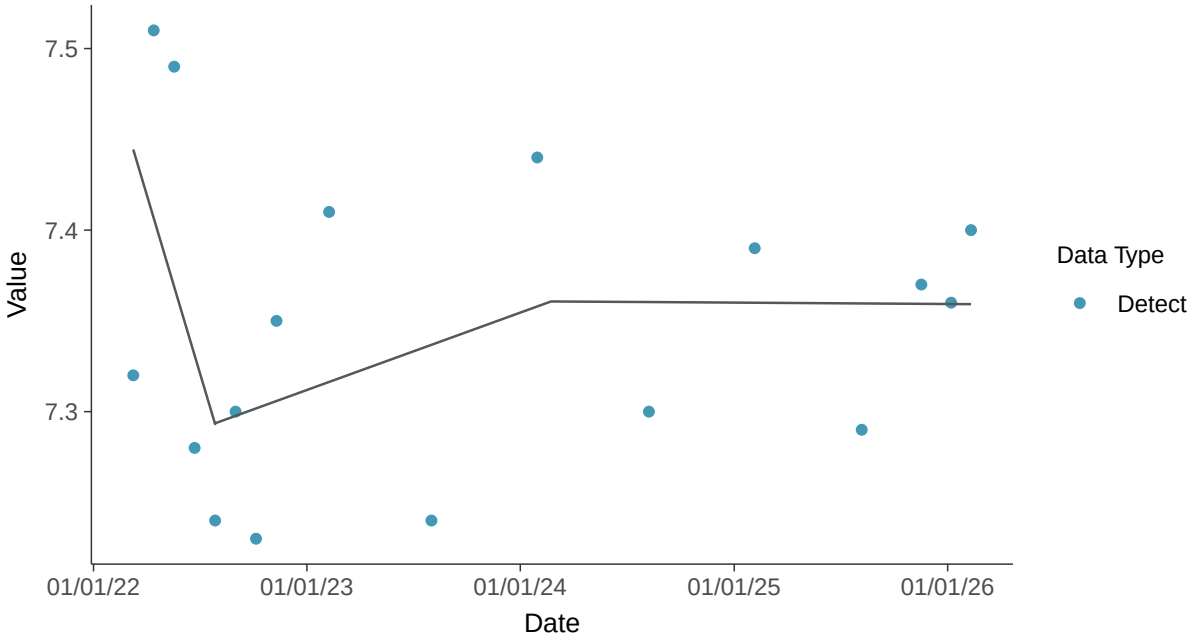
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-7C (su)



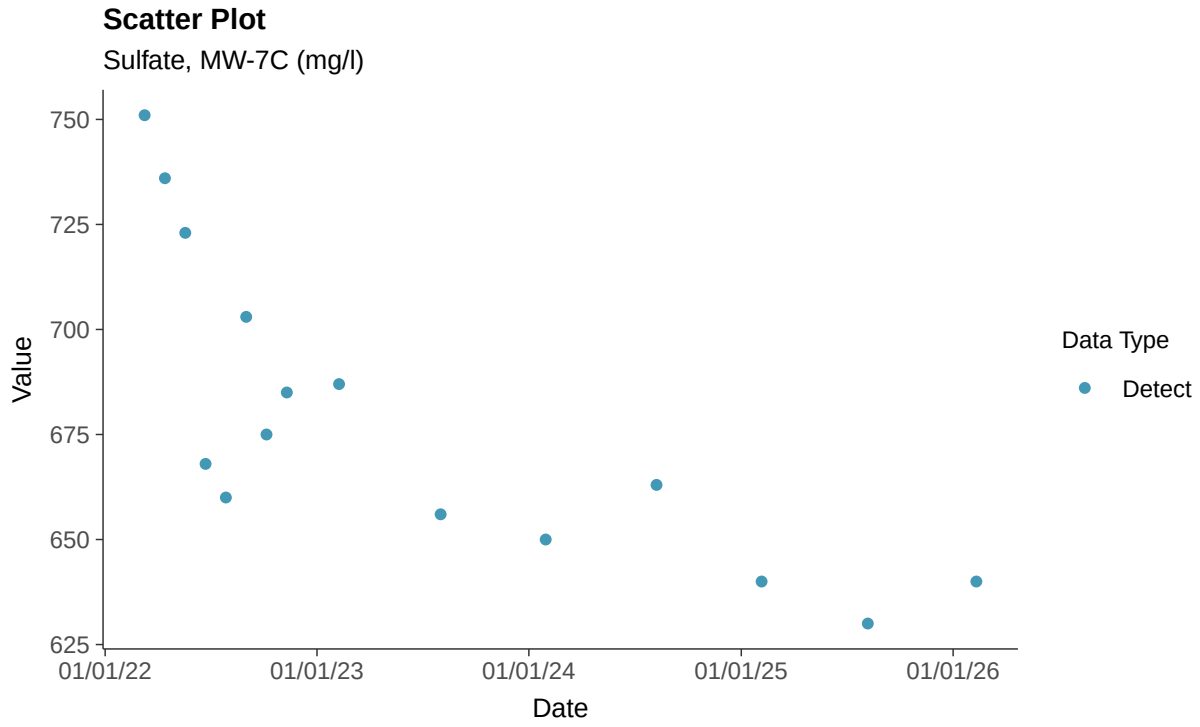
Trend Regression: Piecewise Linear-Linear-Linear

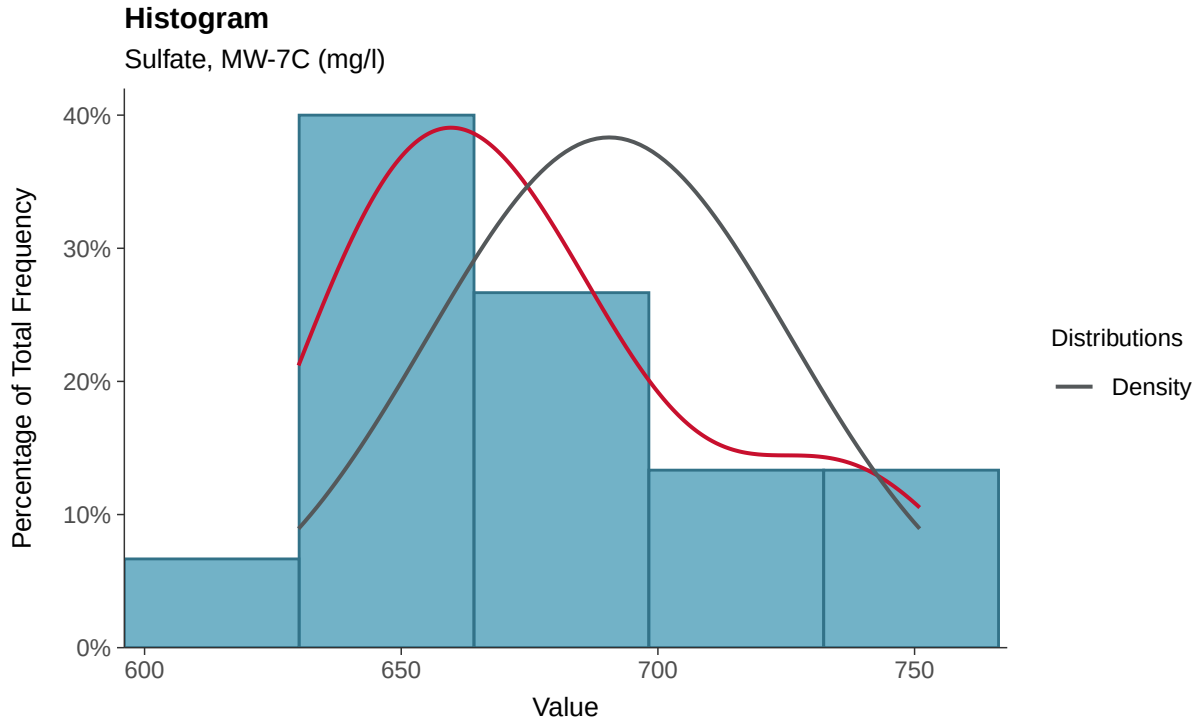
pH, Field, MW-7C (su)



Appendix III: Sulfate, MW-7C

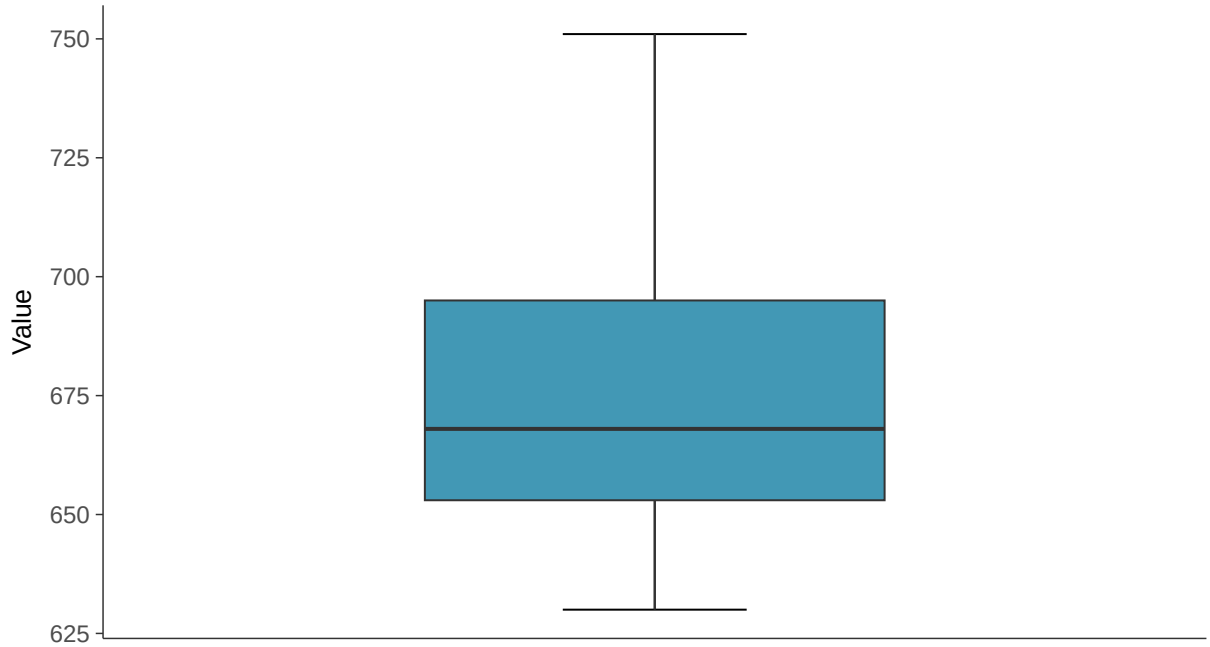
ID: 16_2_124





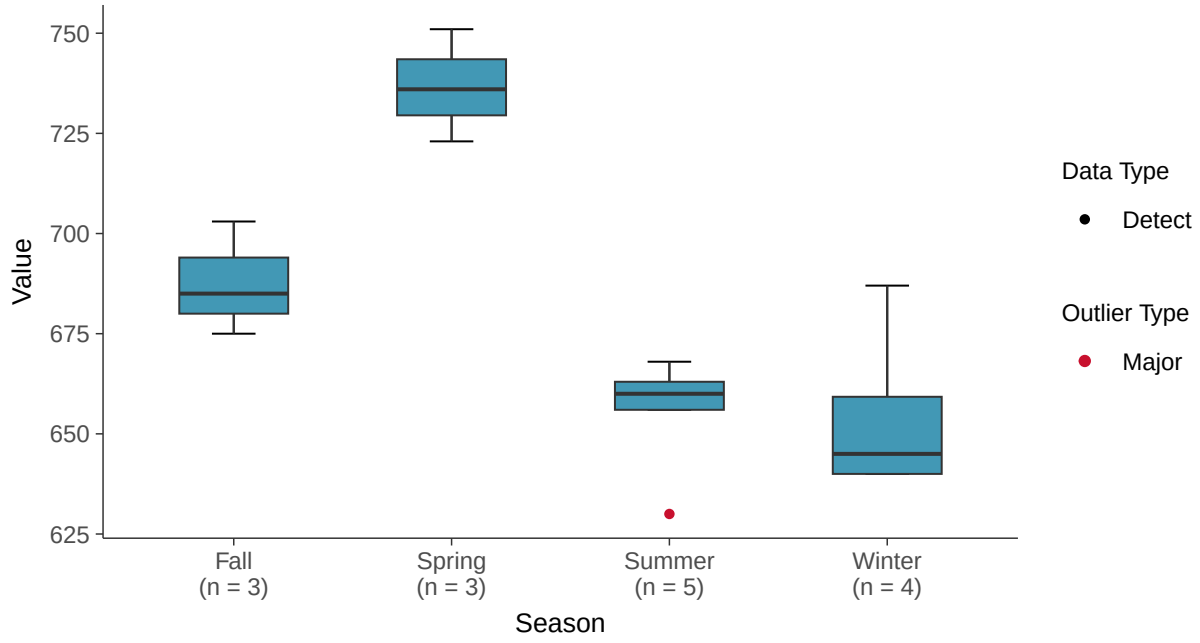
Boxplot

Sulfate, MW-7C (mg/l)



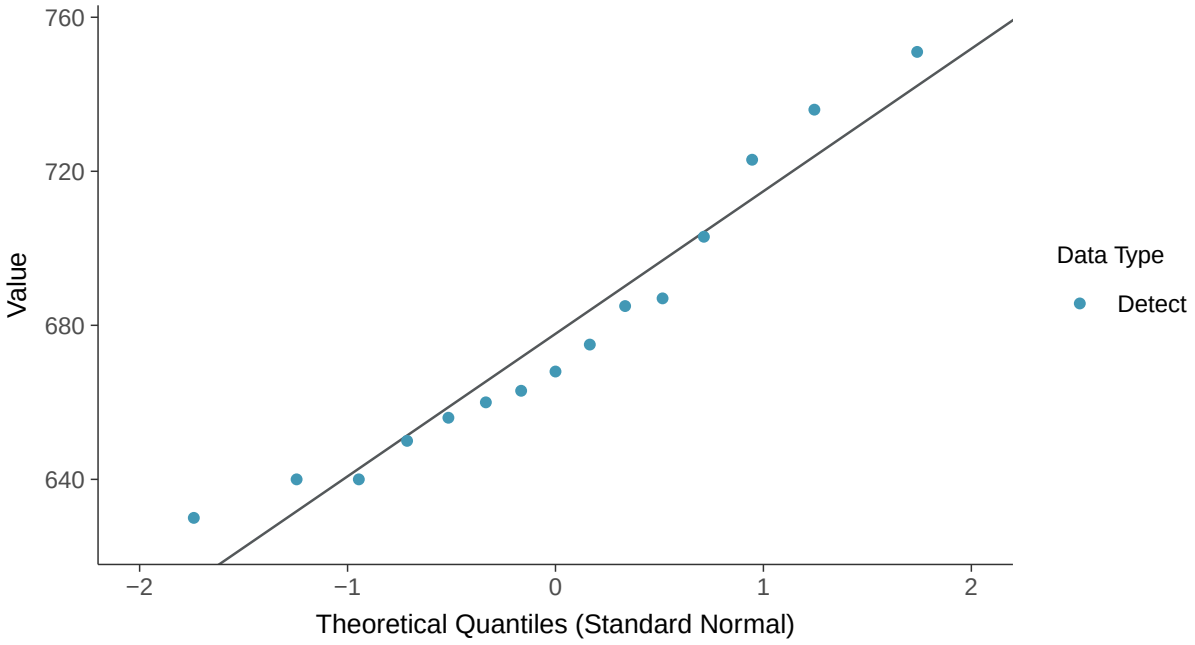
Boxplot by Season

Sulfate, MW-7C (mg/l)



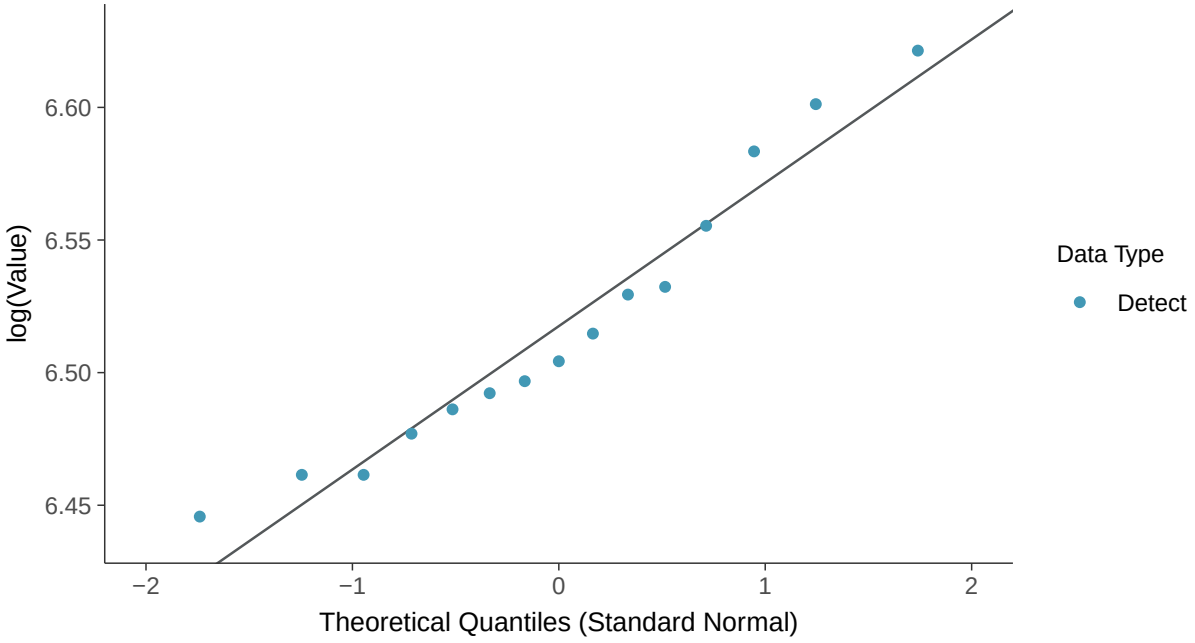
Normal Q-Q plot

Sulfate, MW-7C (mg/l)



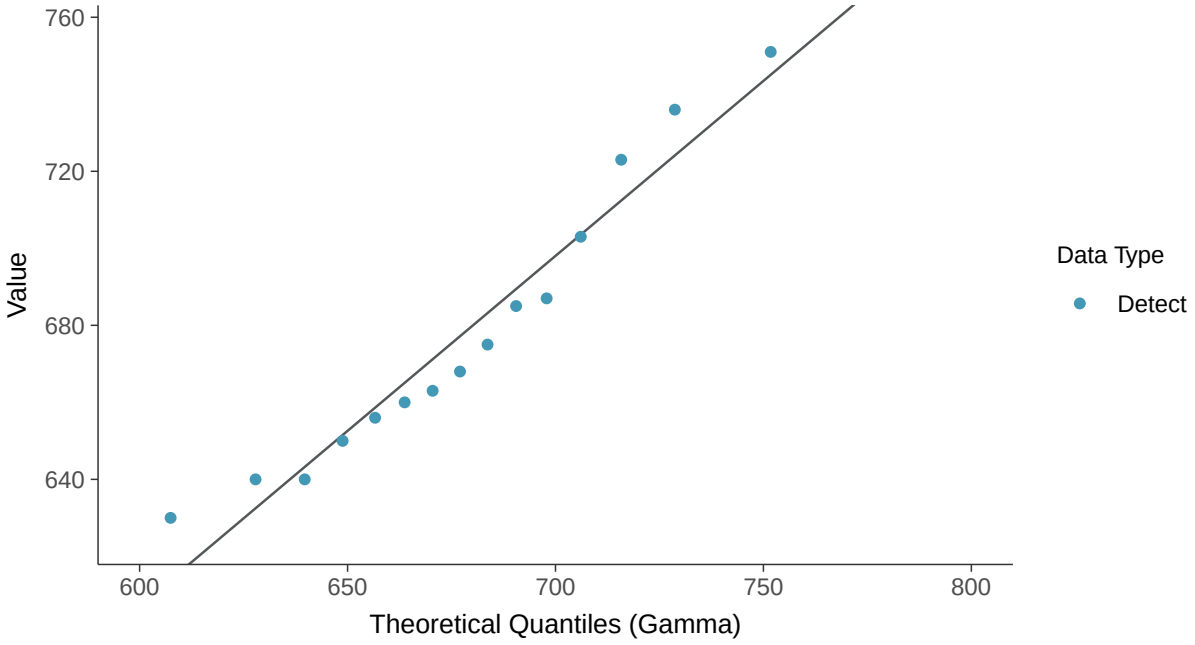
Lognormal Q-Q plot

Sulfate, MW-7C (mg/l)



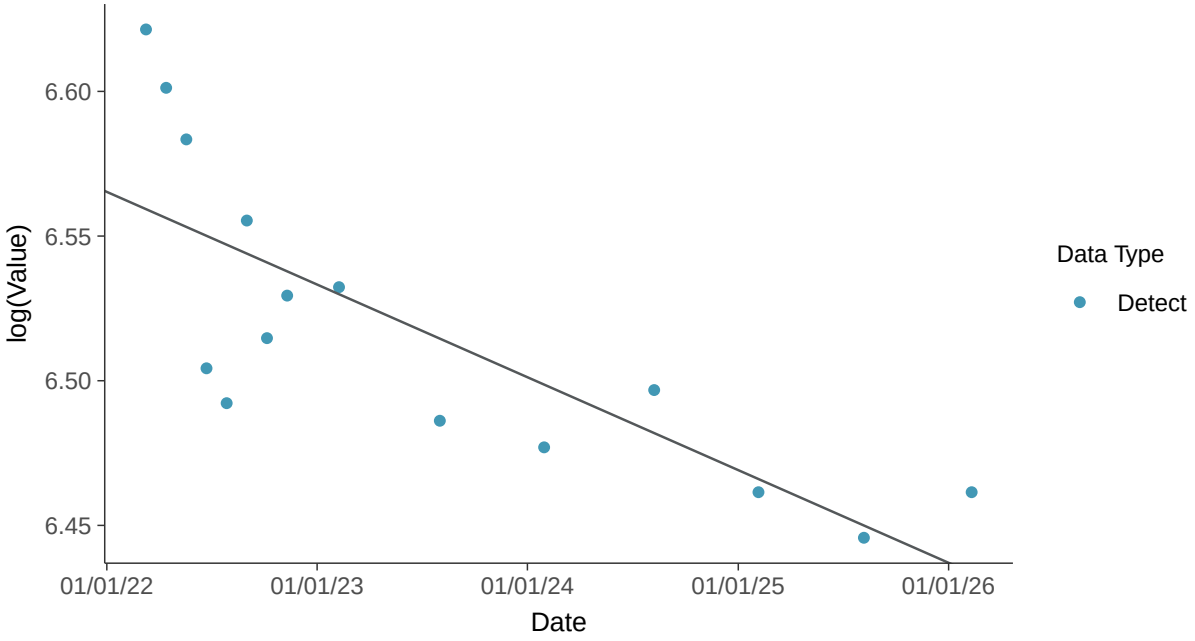
Gamma Q-Q plot

Sulfate, MW-7C (mg/l)



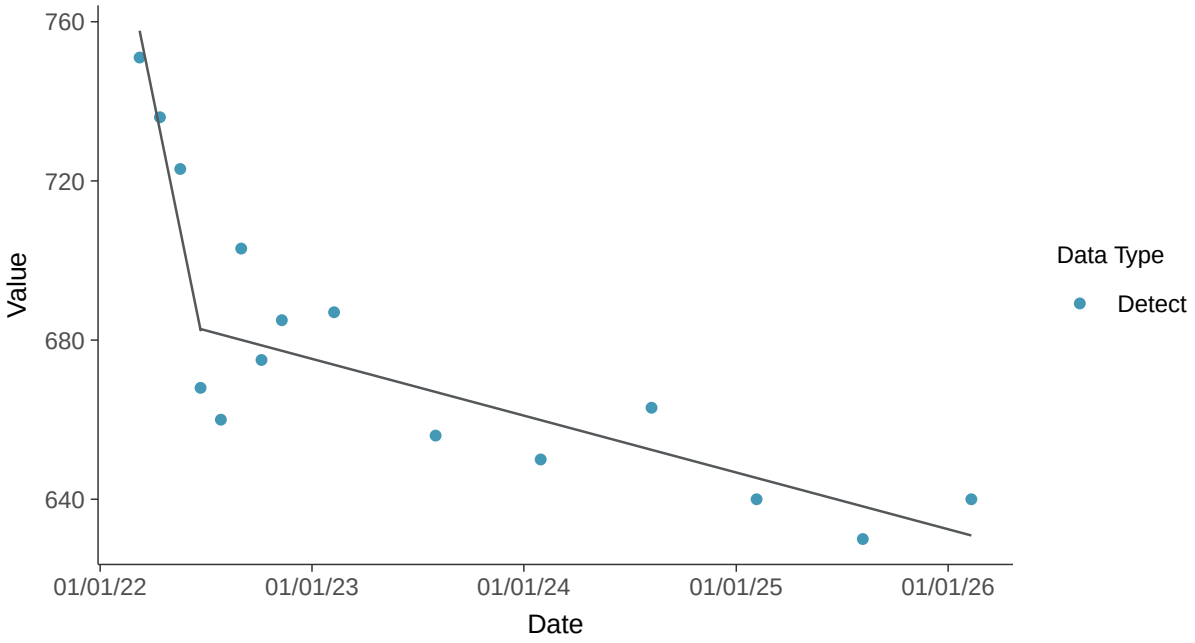
Trend Regression: Lognormal MLE

Sulfate, MW-7C (mg/l)



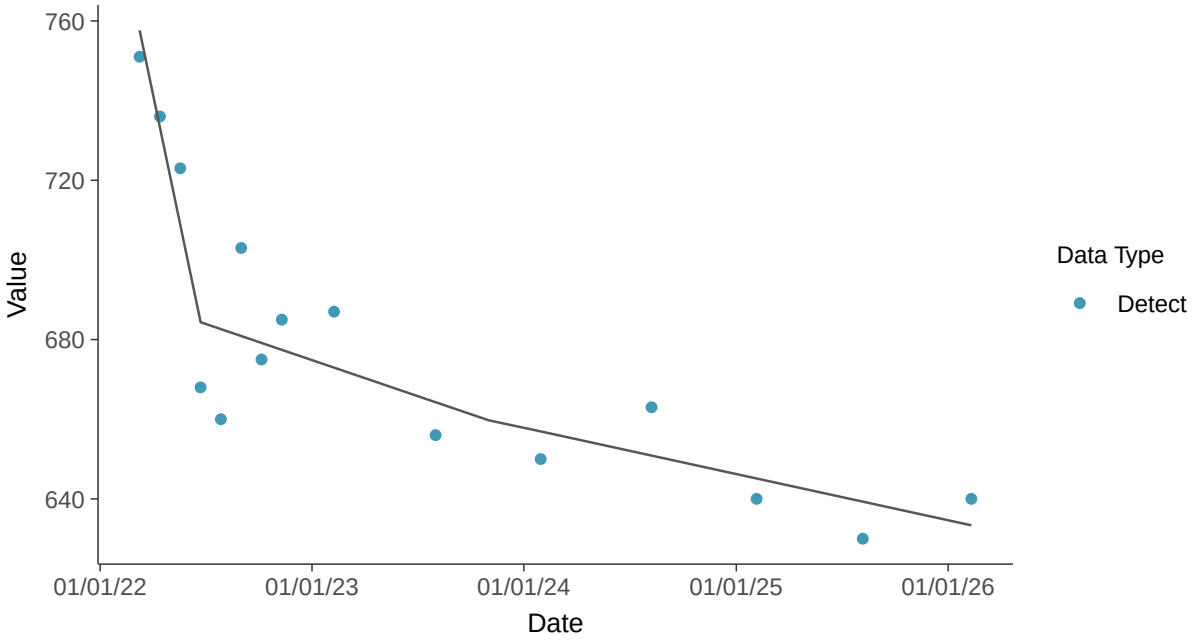
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-7C (mg/l)



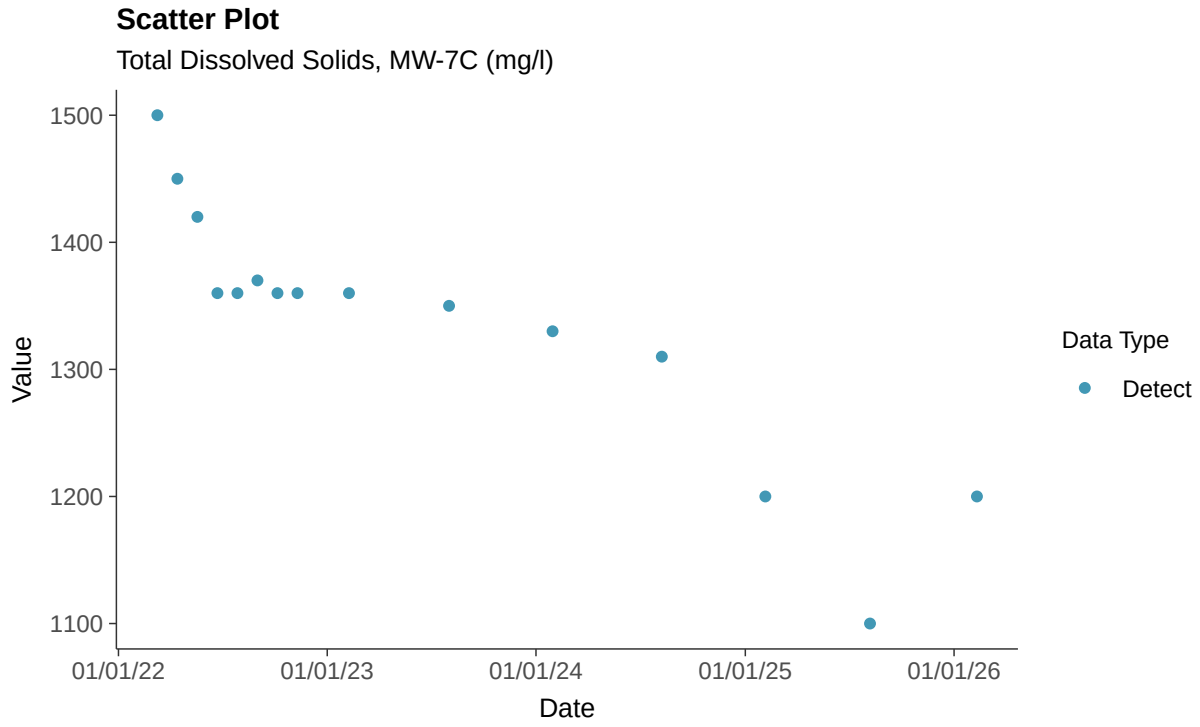
Trend Regression: Piecewise Linear-Linear-Linear

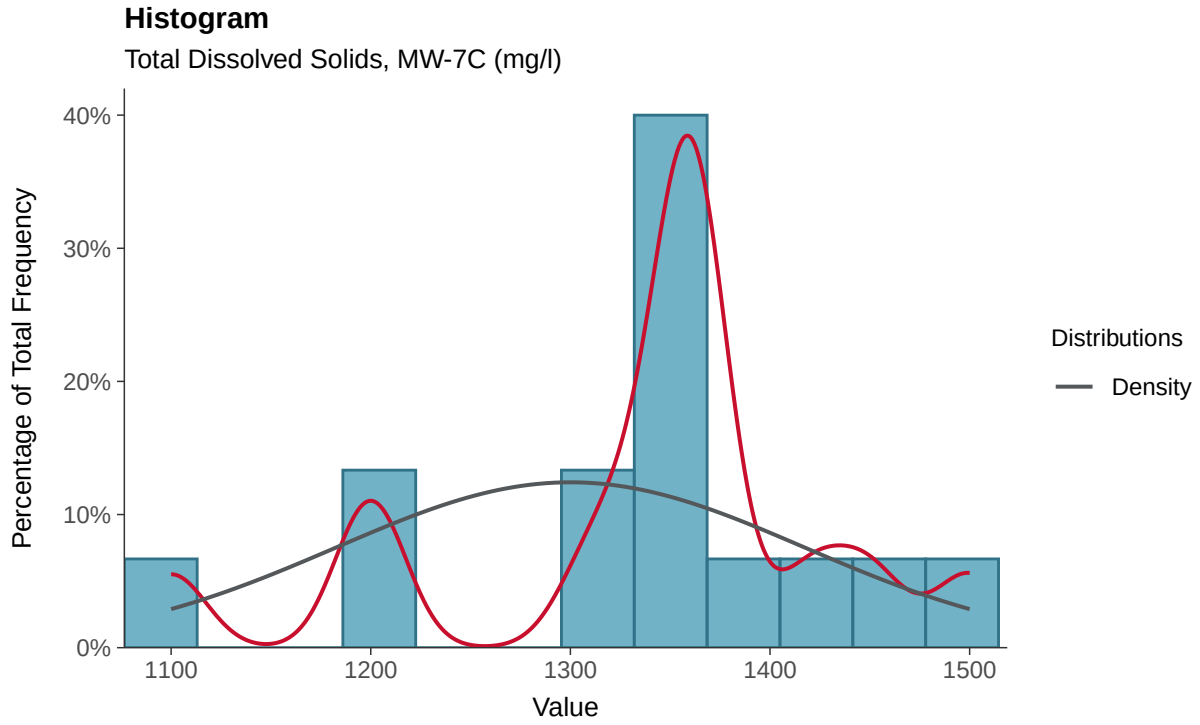
Sulfate, MW-7C (mg/l)



Appendix III: Total Dissolved Solids, MW-7C

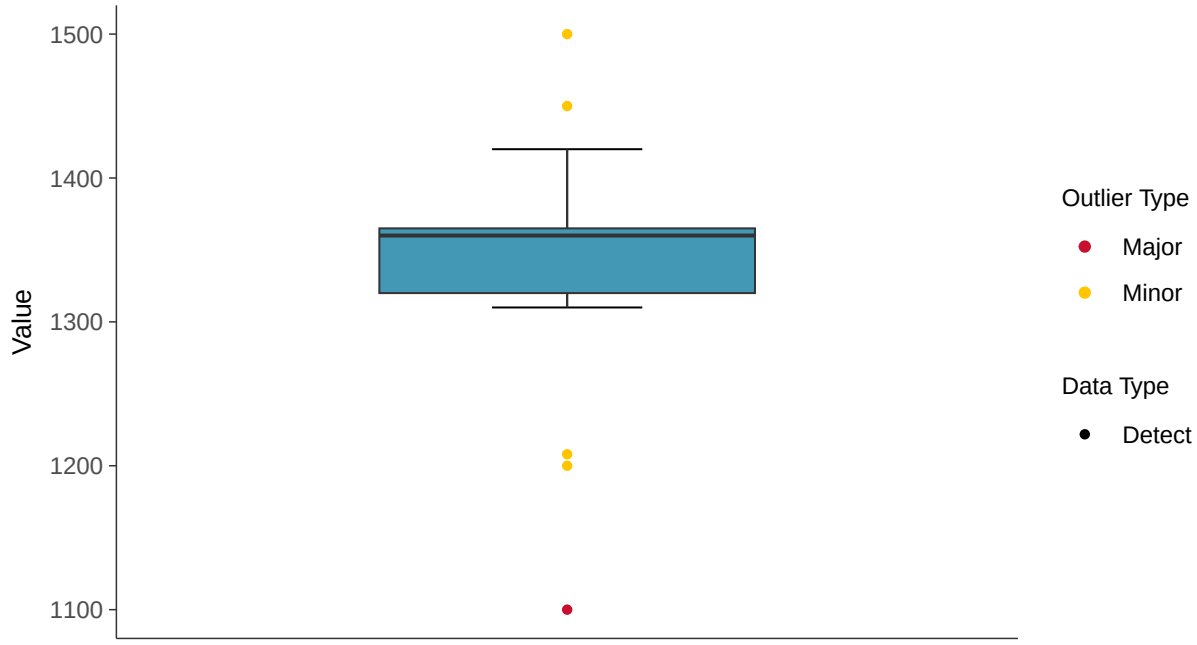
ID: 16_2_126





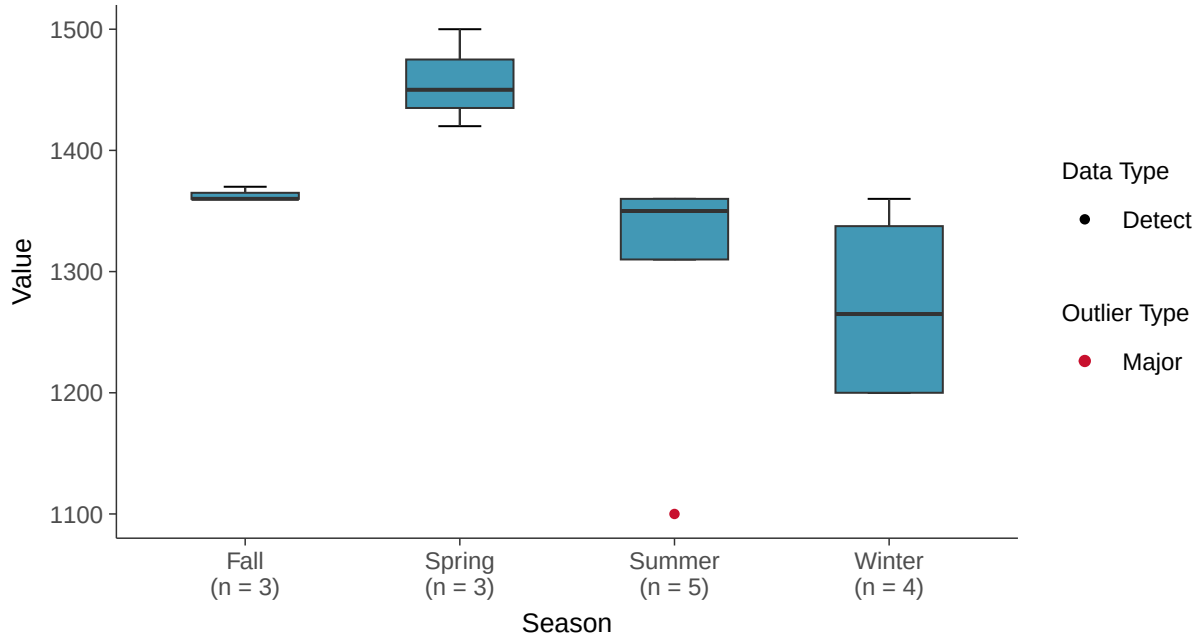
Boxplot

Total Dissolved Solids, MW-7C (mg/l)



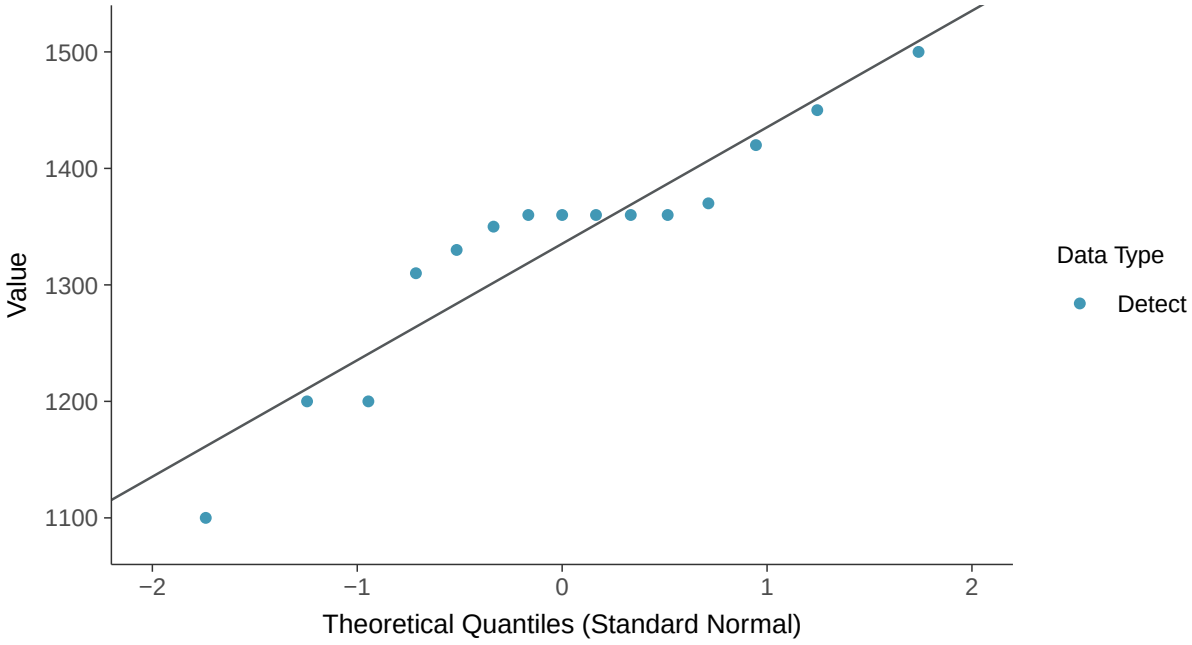
Boxplot by Season

Total Dissolved Solids, MW-7C (mg/l)



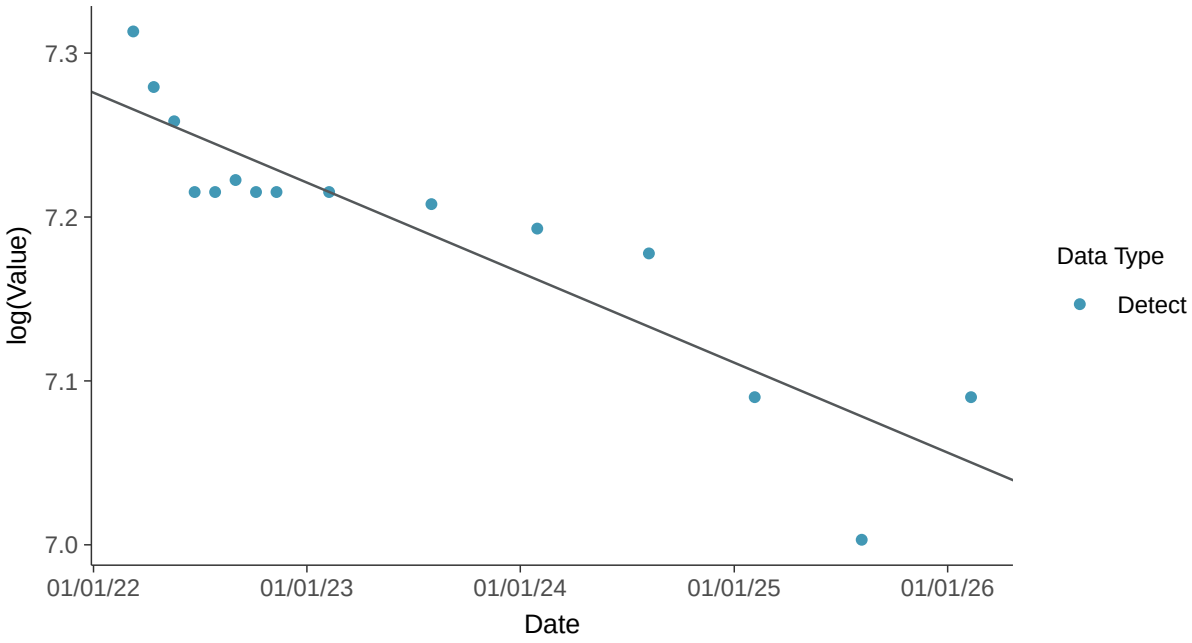
Normal Q-Q plot

Total Dissolved Solids, MW-7C (mg/l)



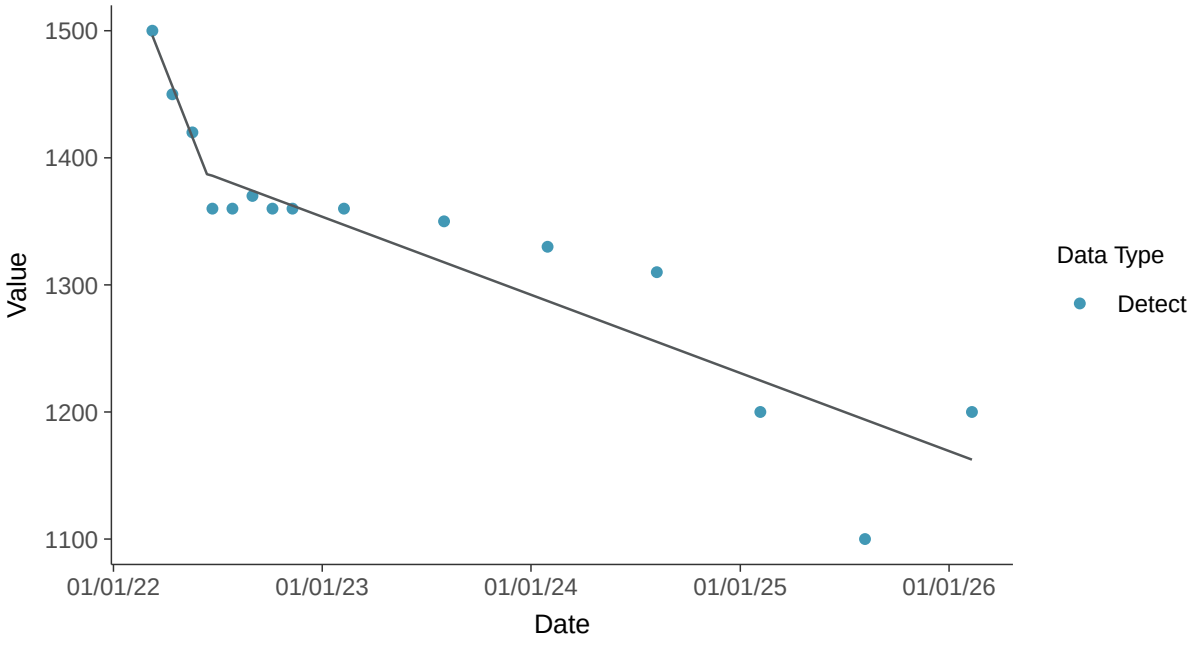
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-7C (mg/l)



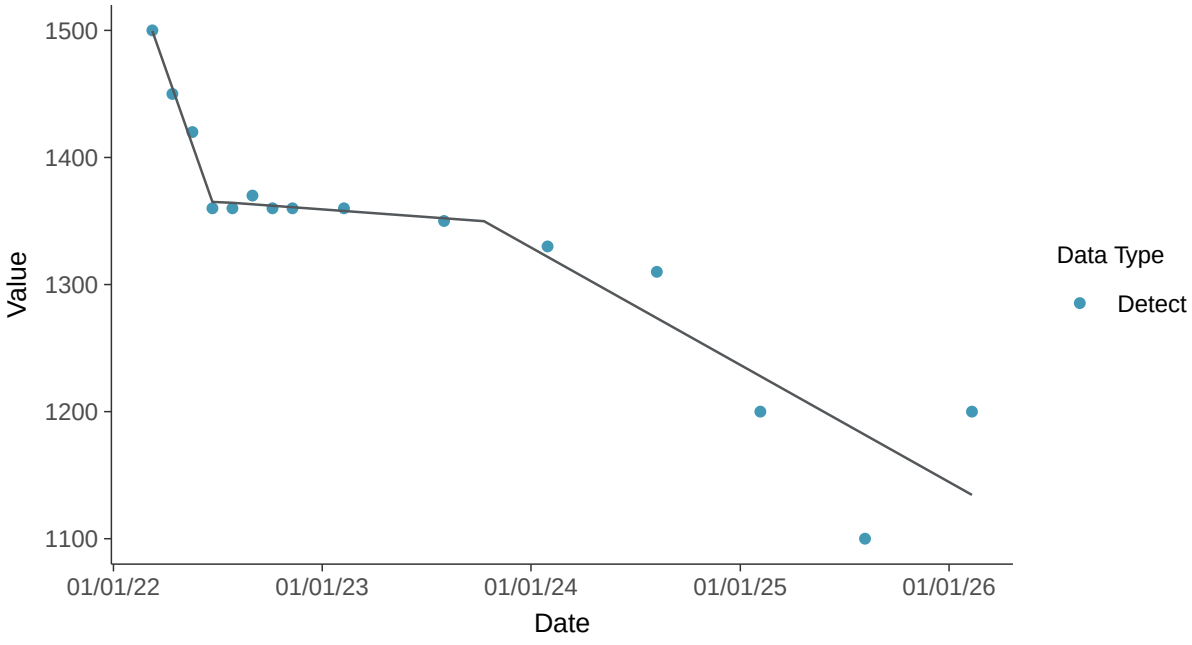
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-7C (mg/l)



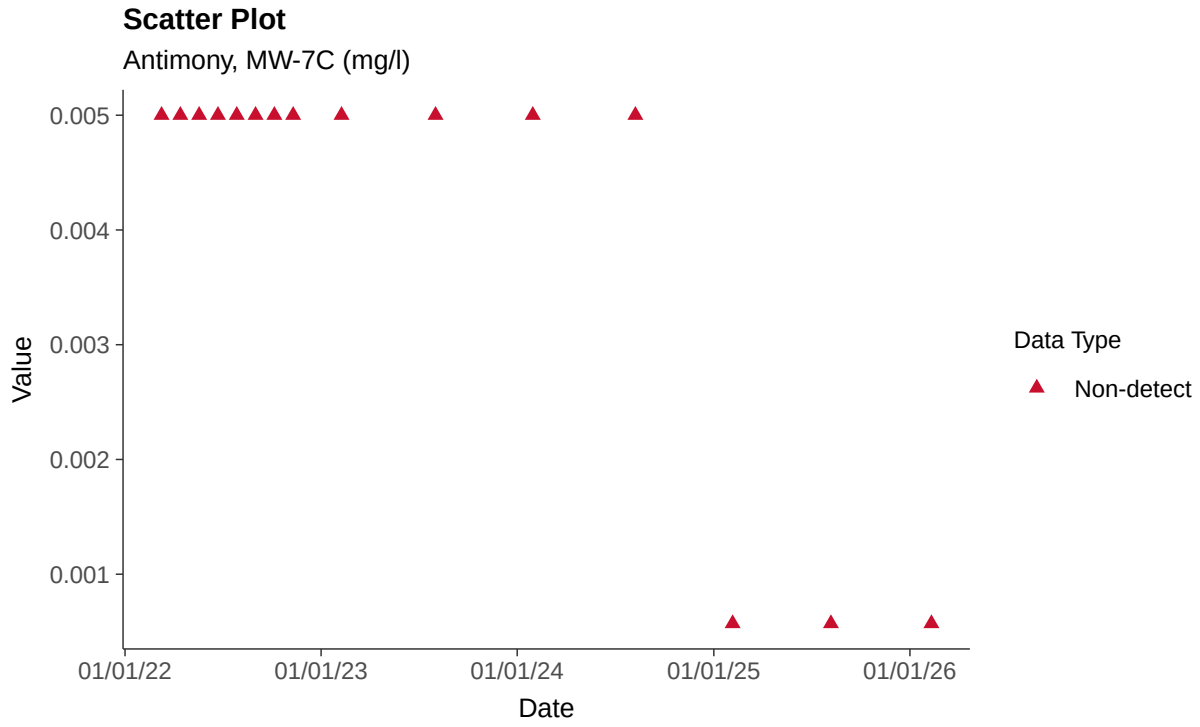
Trend Regression: Piecewise Linear-Linear-Linear

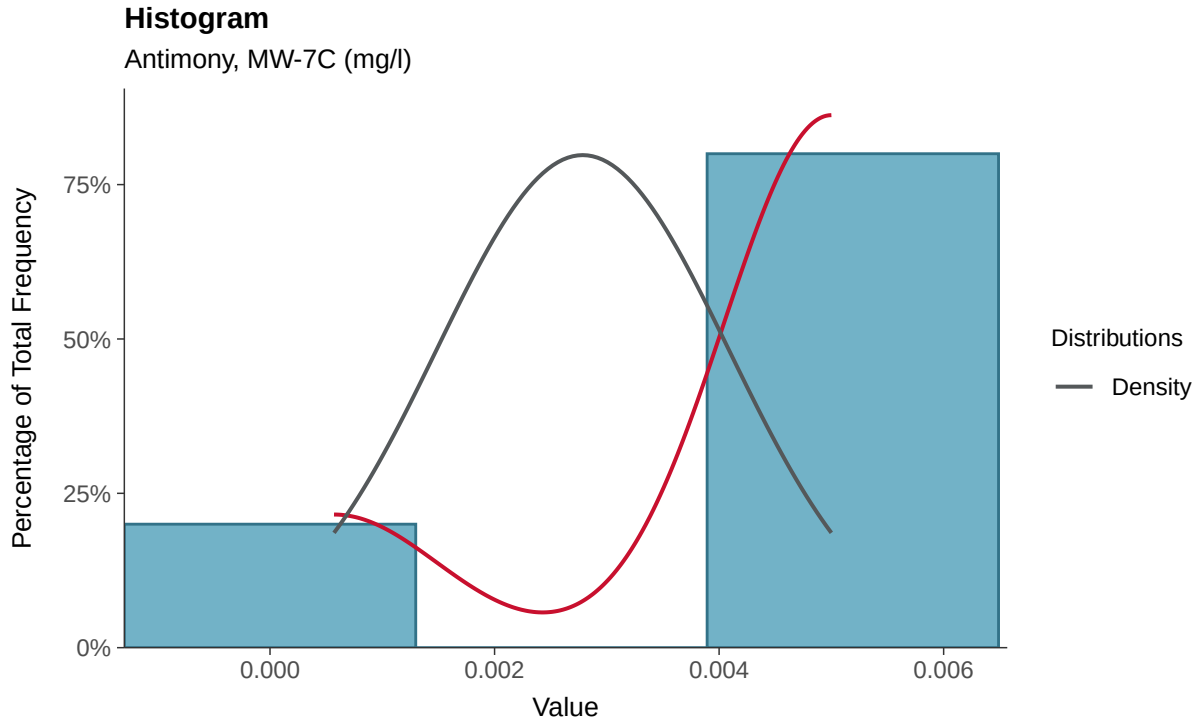
Total Dissolved Solids, MW-7C (mg/l)



Appendix IV: Antimony, MW-7C

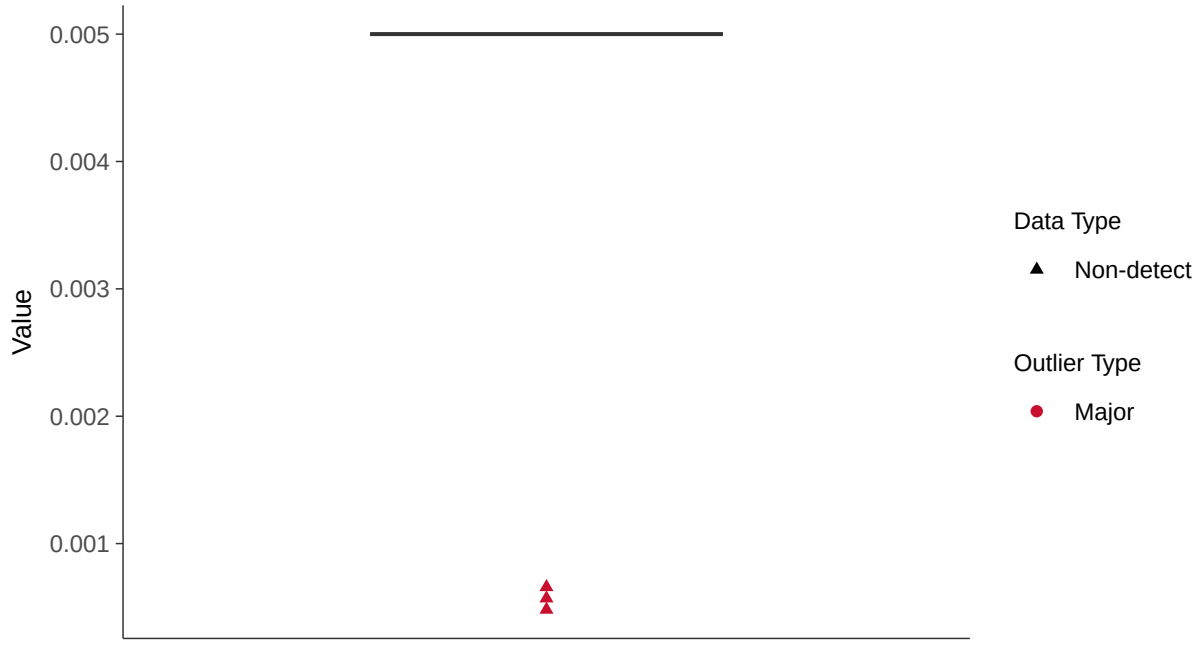
ID: 16_3_101





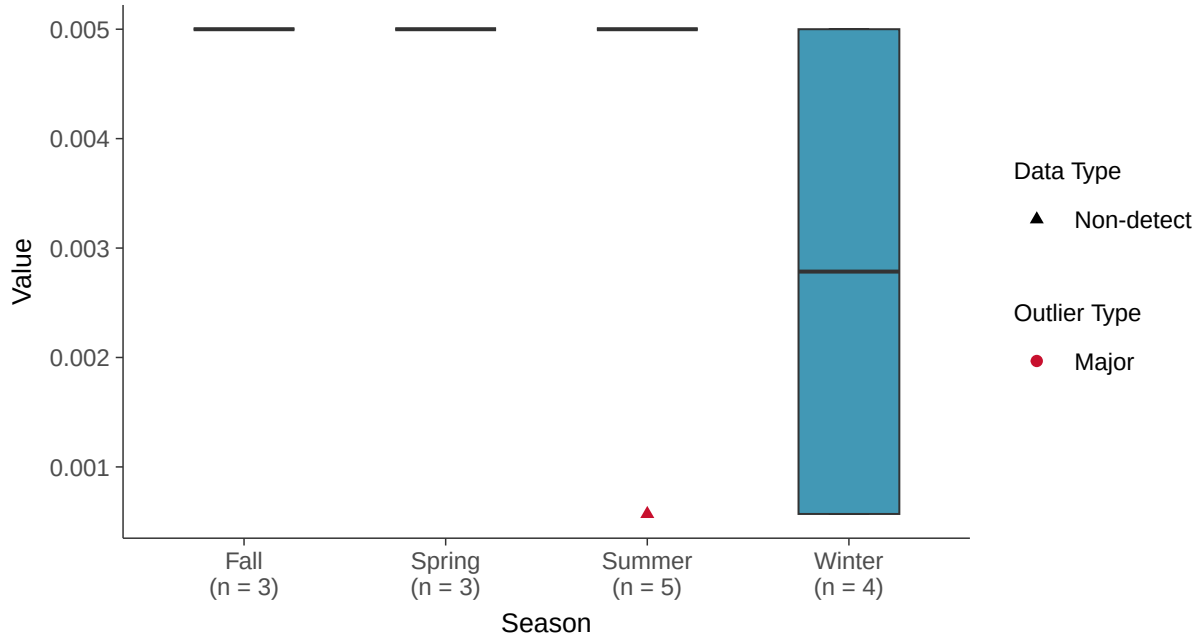
Boxplot

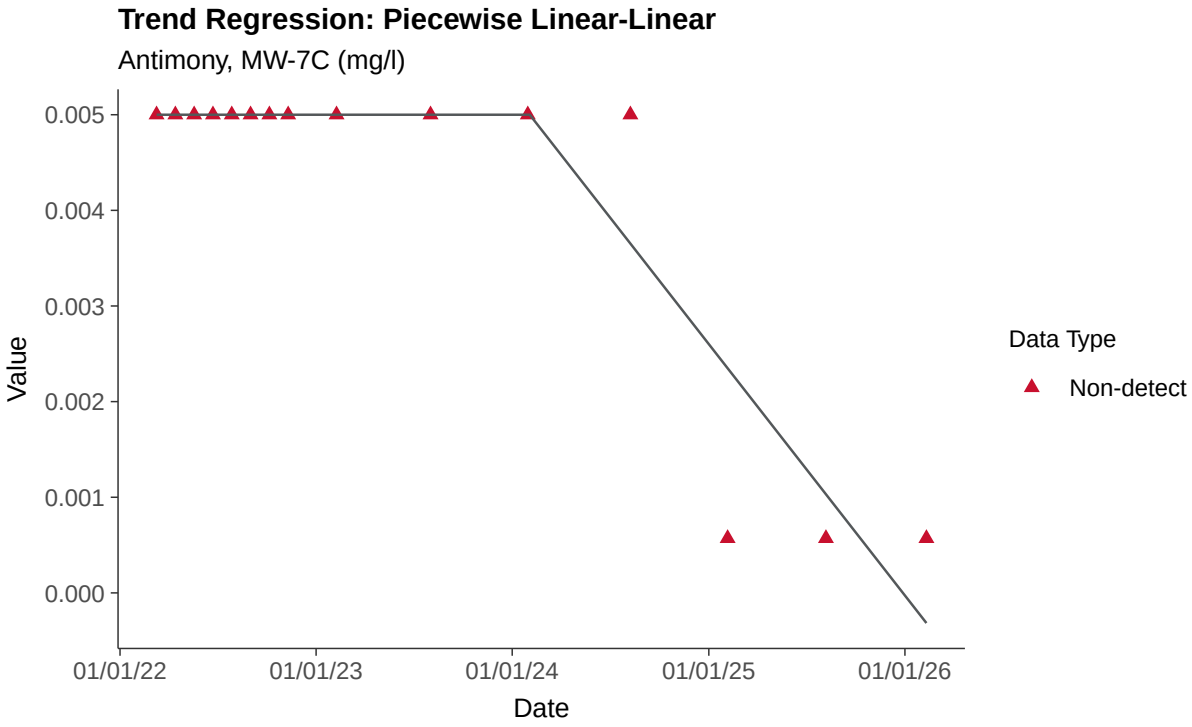
Antimony, MW-7C (mg/l)



Boxplot by Season

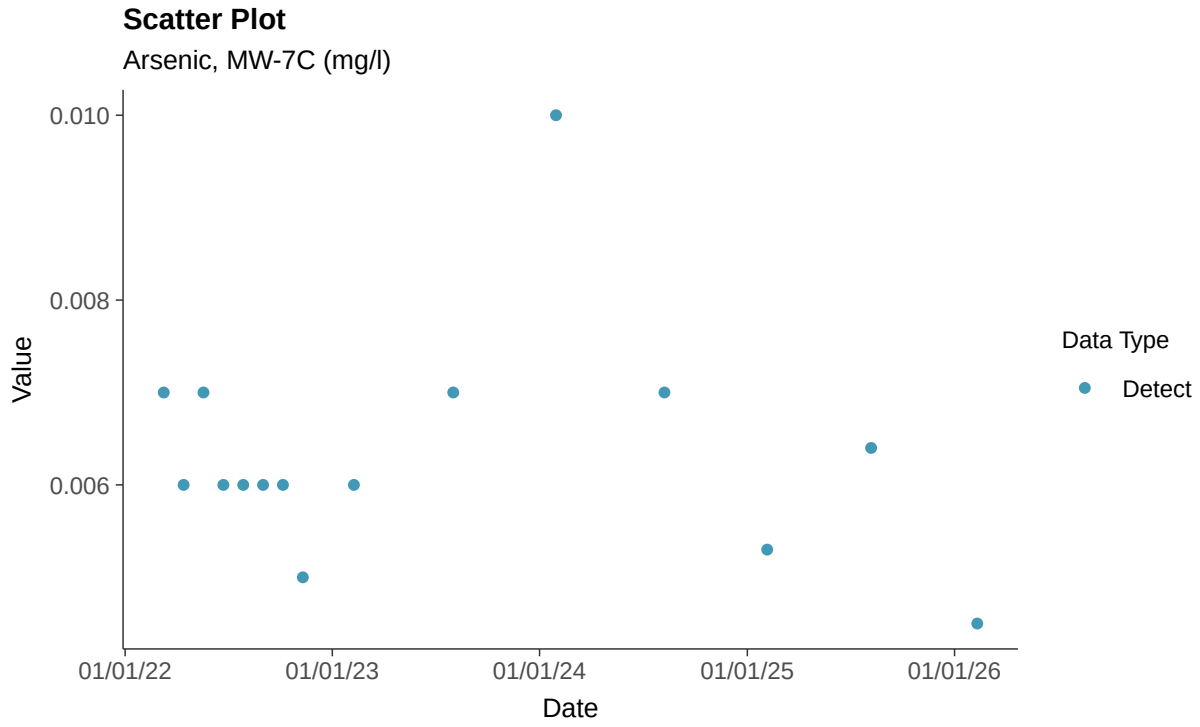
Antimony, MW-7C (mg/l)

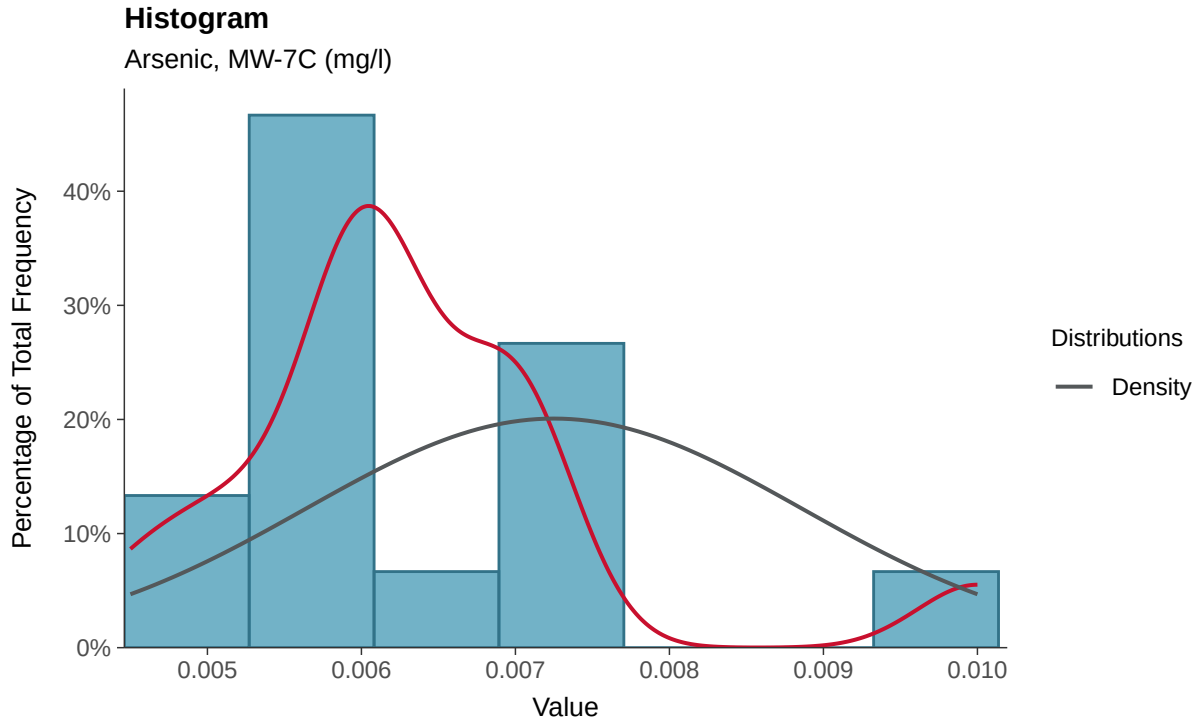



Trend Regression: Piecewise Linear-Linear
Antimony, MW-7C (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-7C

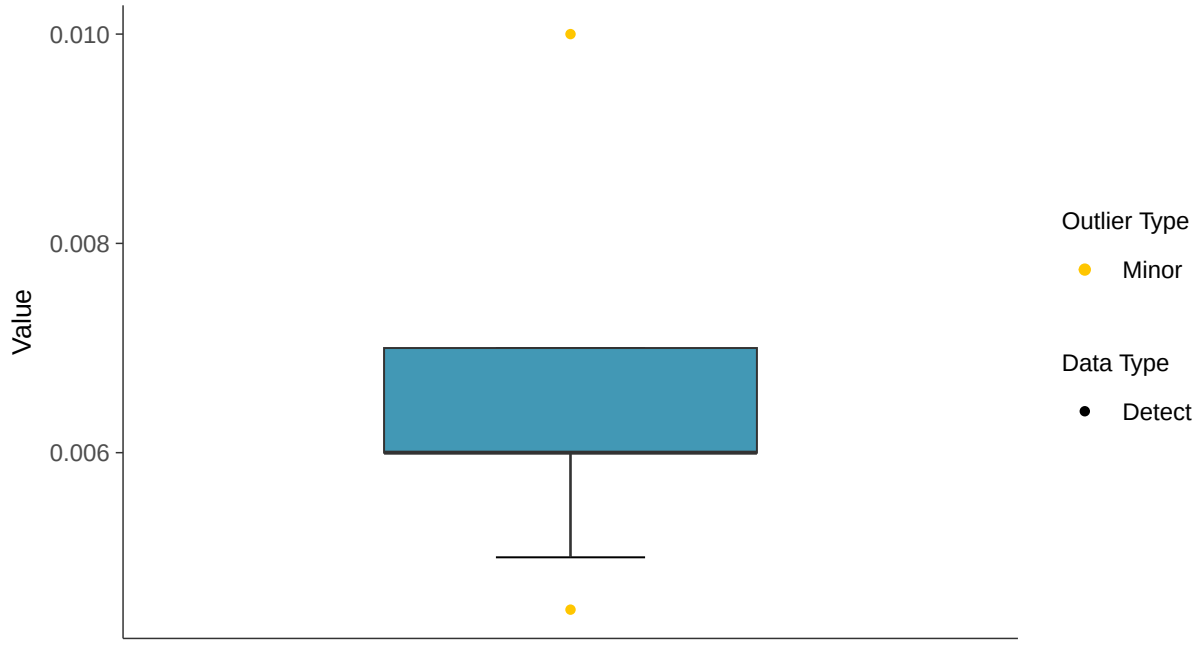
ID: 16_3_102





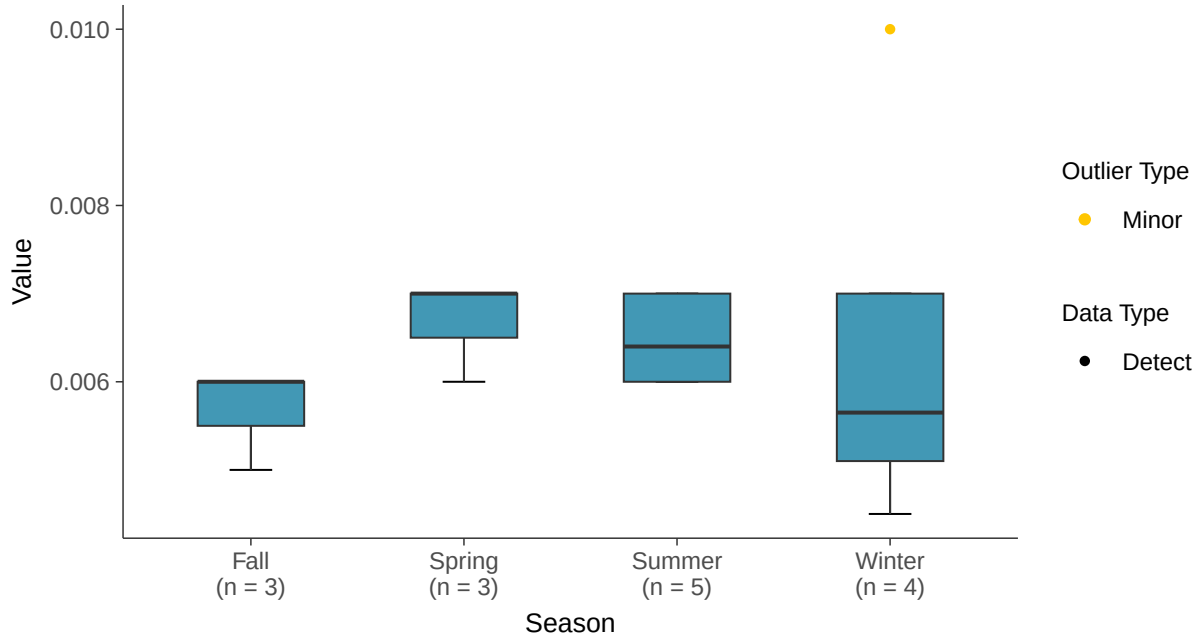
Boxplot

Arsenic, MW-7C (mg/l)



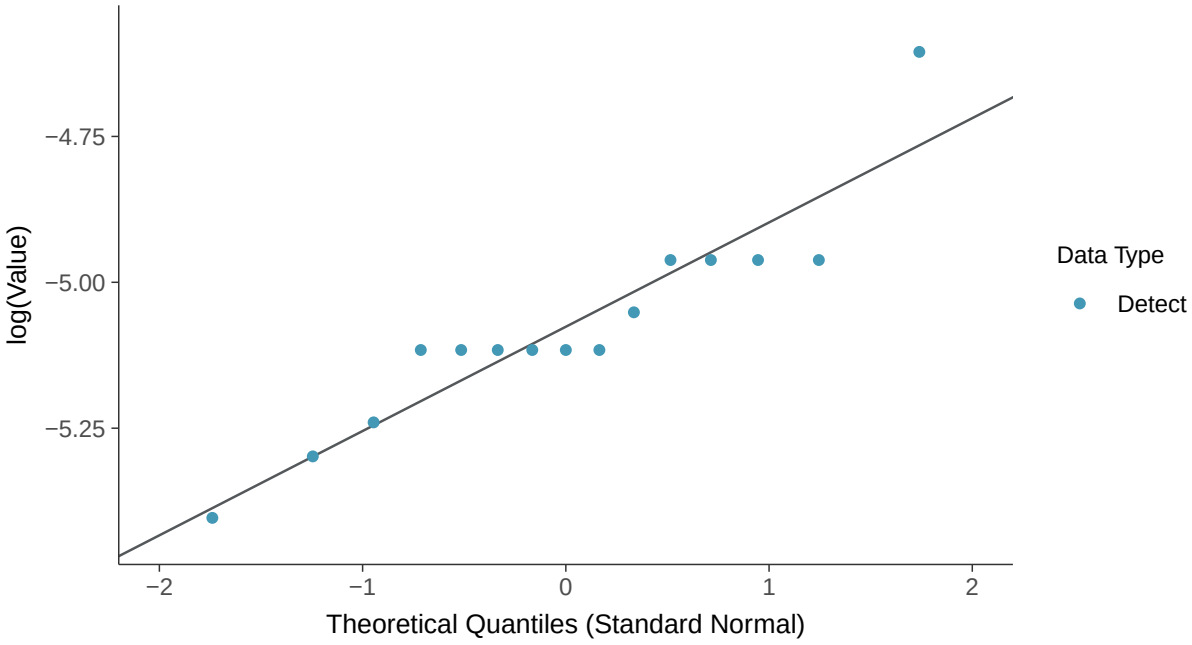
Boxplot by Season

Arsenic, MW-7C (mg/l)



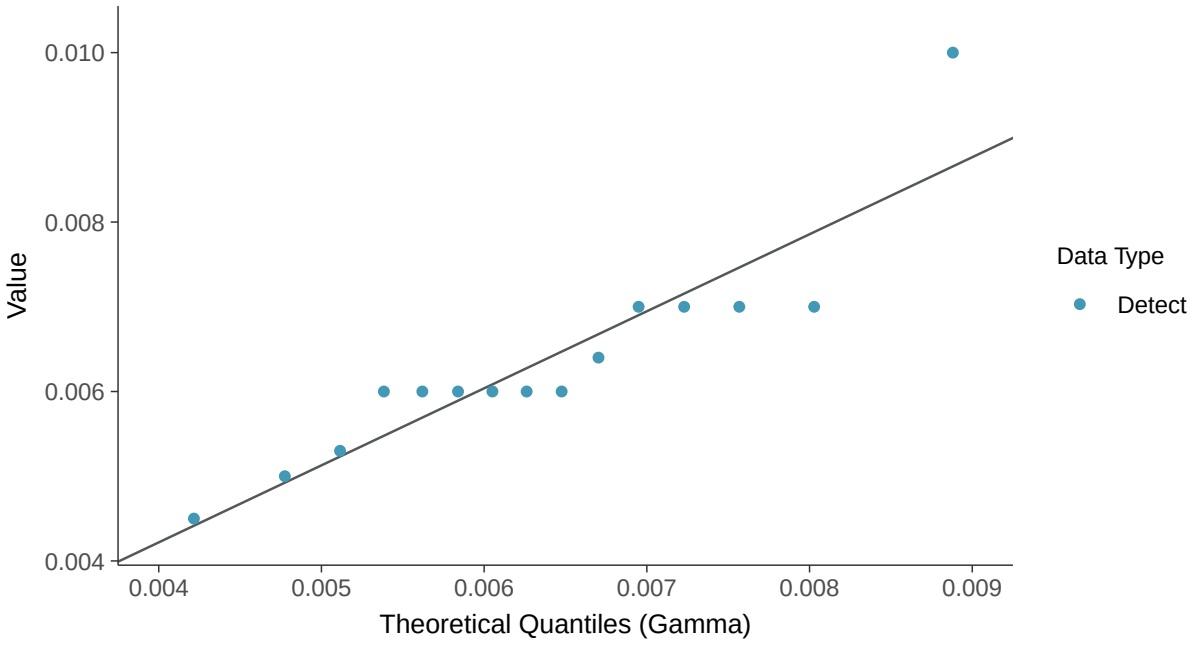
Lognormal Q-Q plot

Arsenic, MW-7C (mg/l)



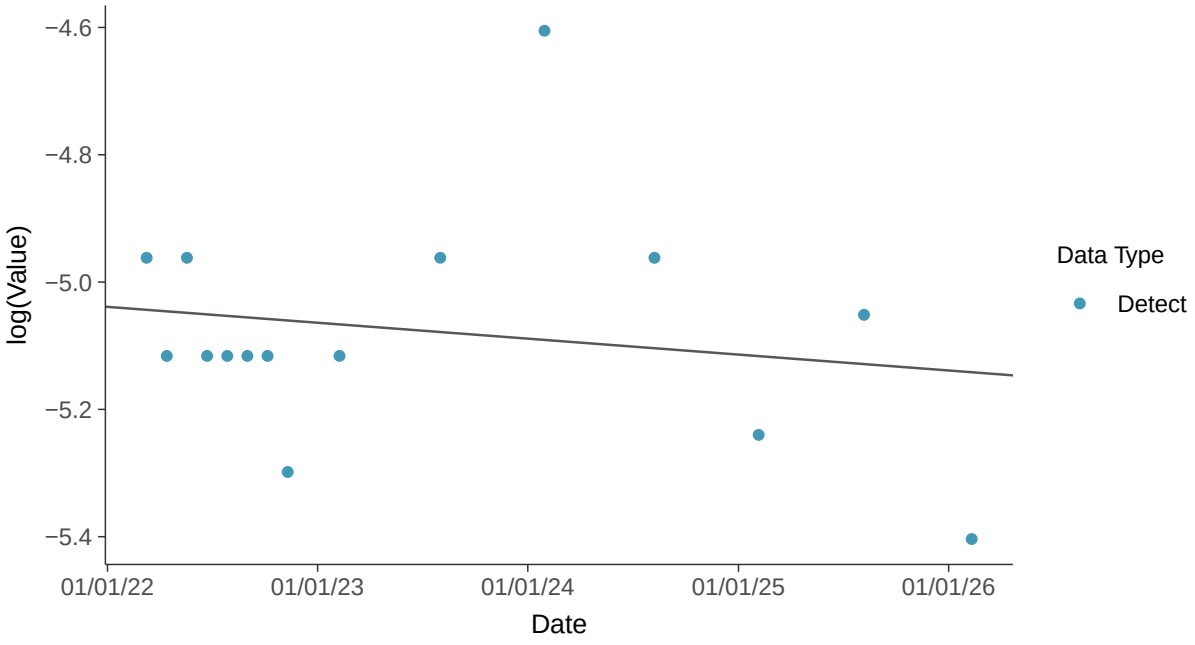
Gamma Q-Q plot

Arsenic, MW-7C (mg/l)



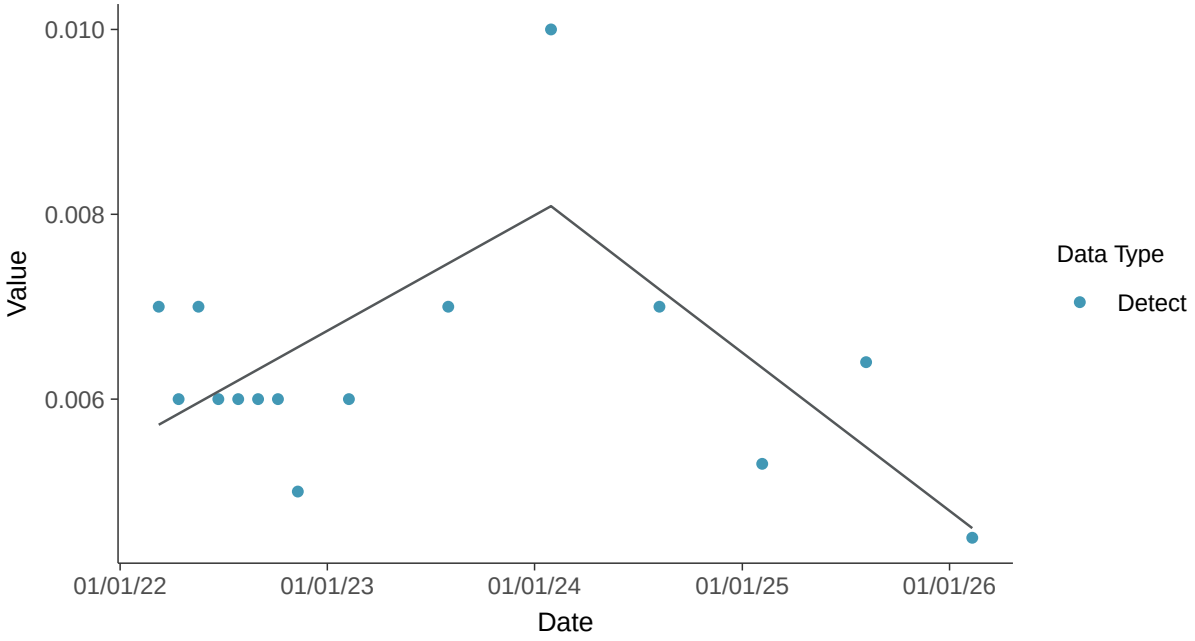
Trend Regression: Lognormal MLE

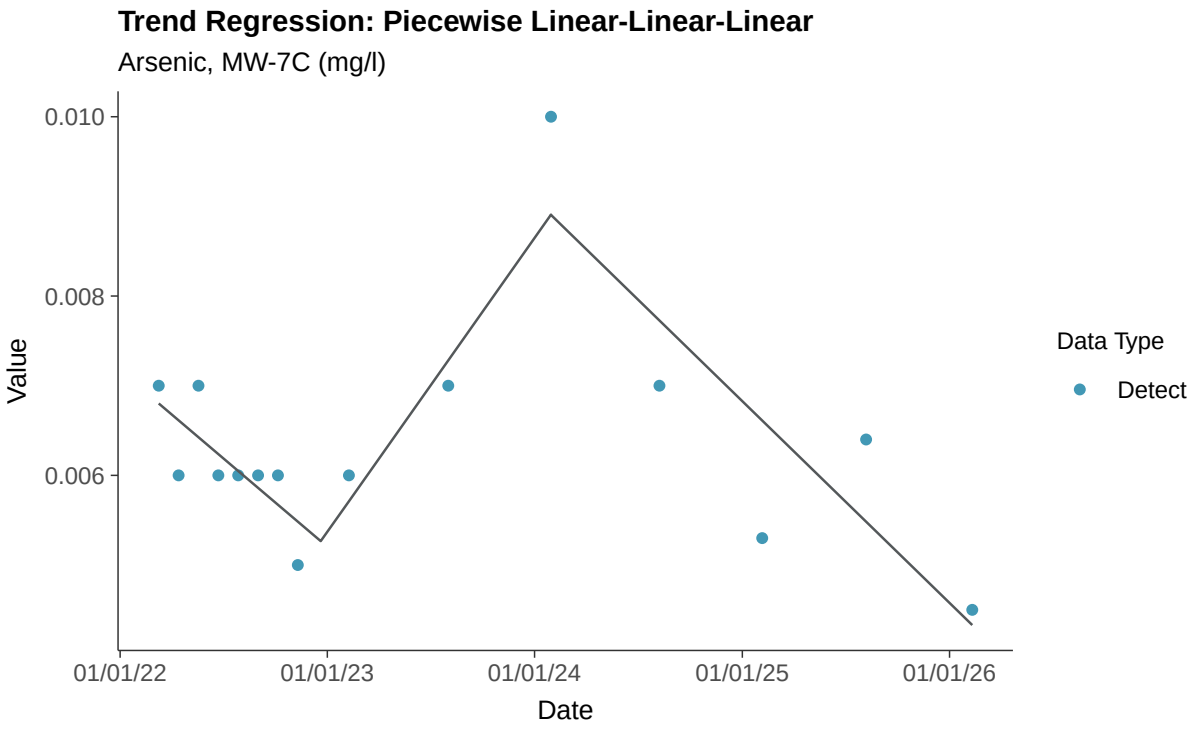
Arsenic, MW-7C (mg/l)



Trend Regression: Piecewise Linear-Linear

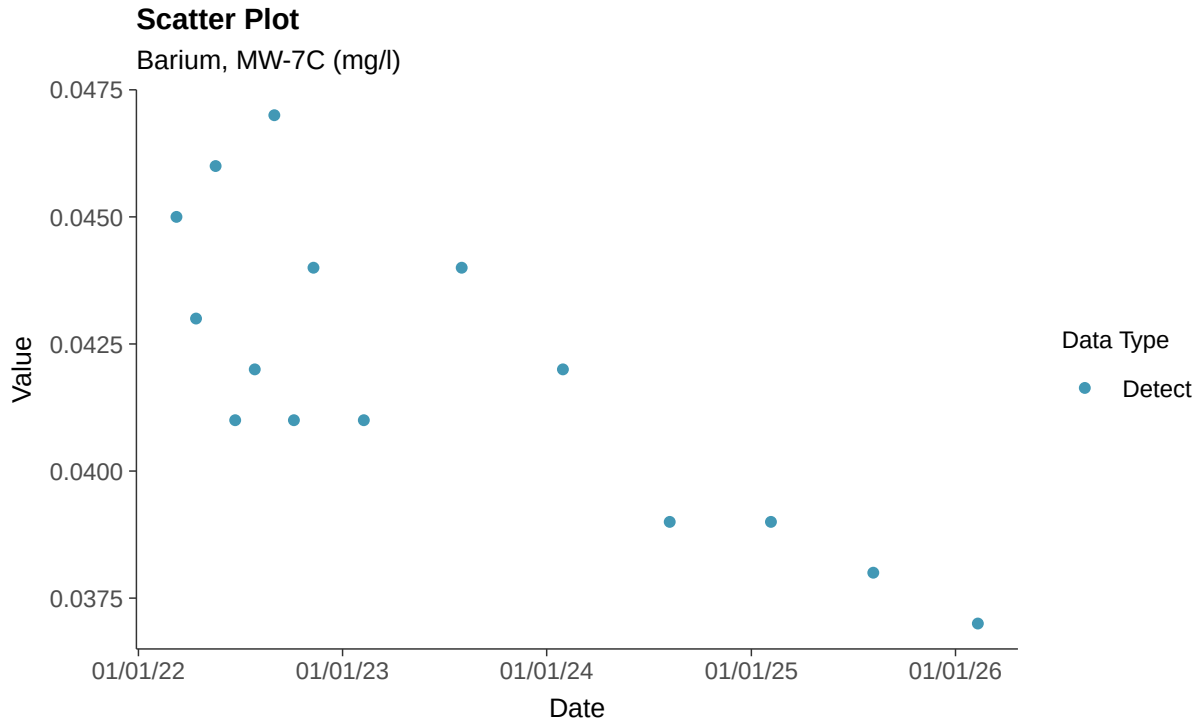
Arsenic, MW-7C (mg/l)

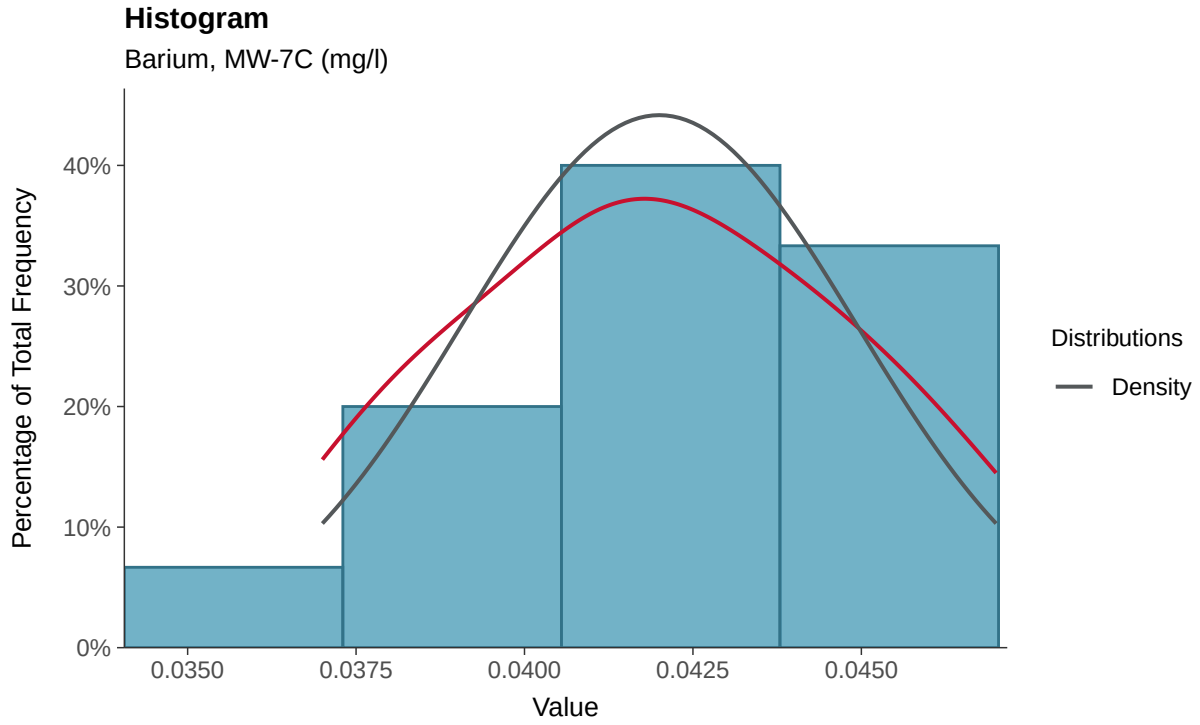



Trend Regression: Piecewise Linear-Linear-Linear
Arsenic, MW-7C (mg/l)
0.010
0.008
0.006
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Barium, MW-7C

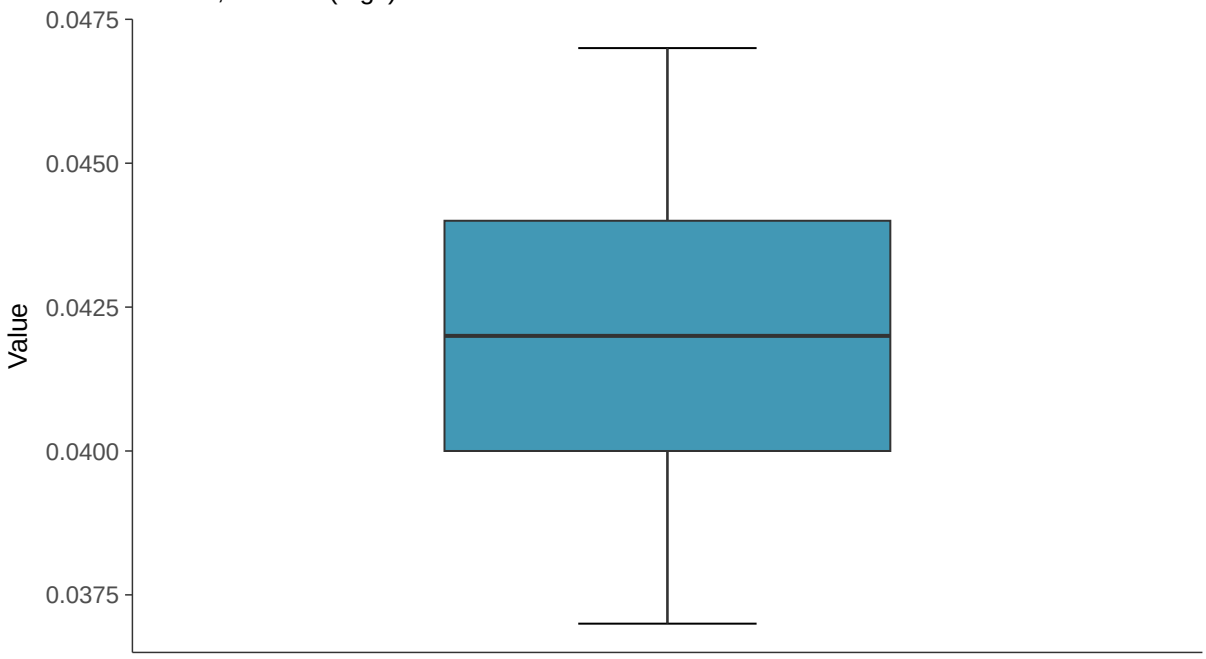
ID: 16_3_103





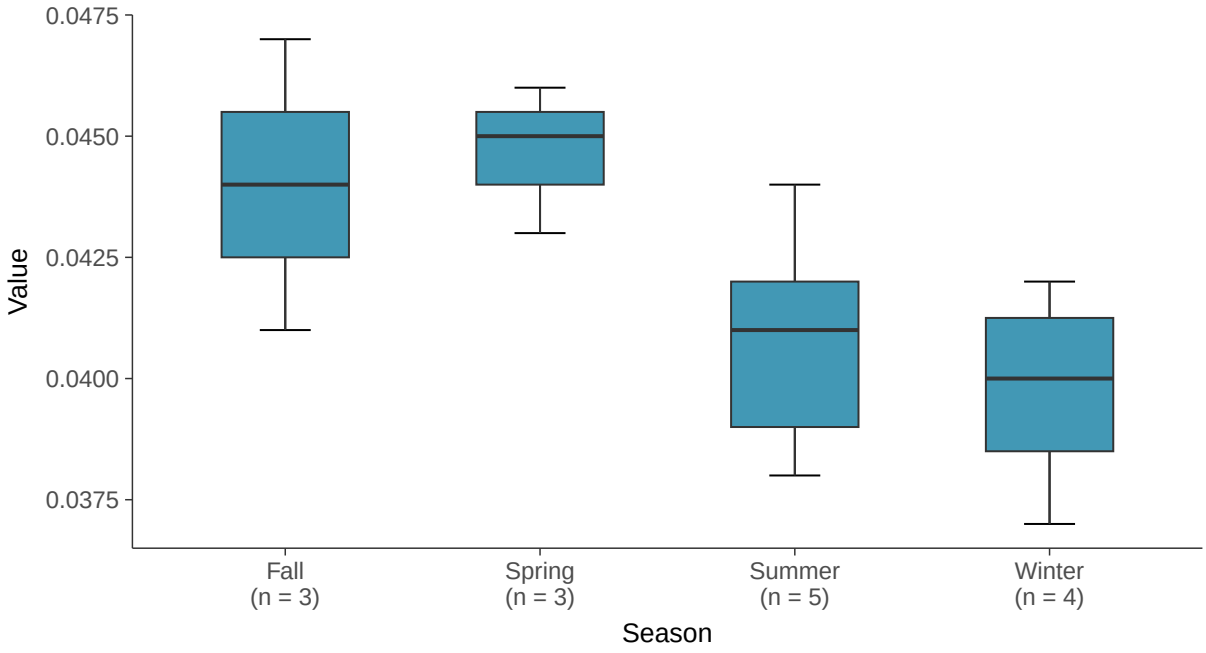
Boxplot

Barium, MW-7C (mg/l)



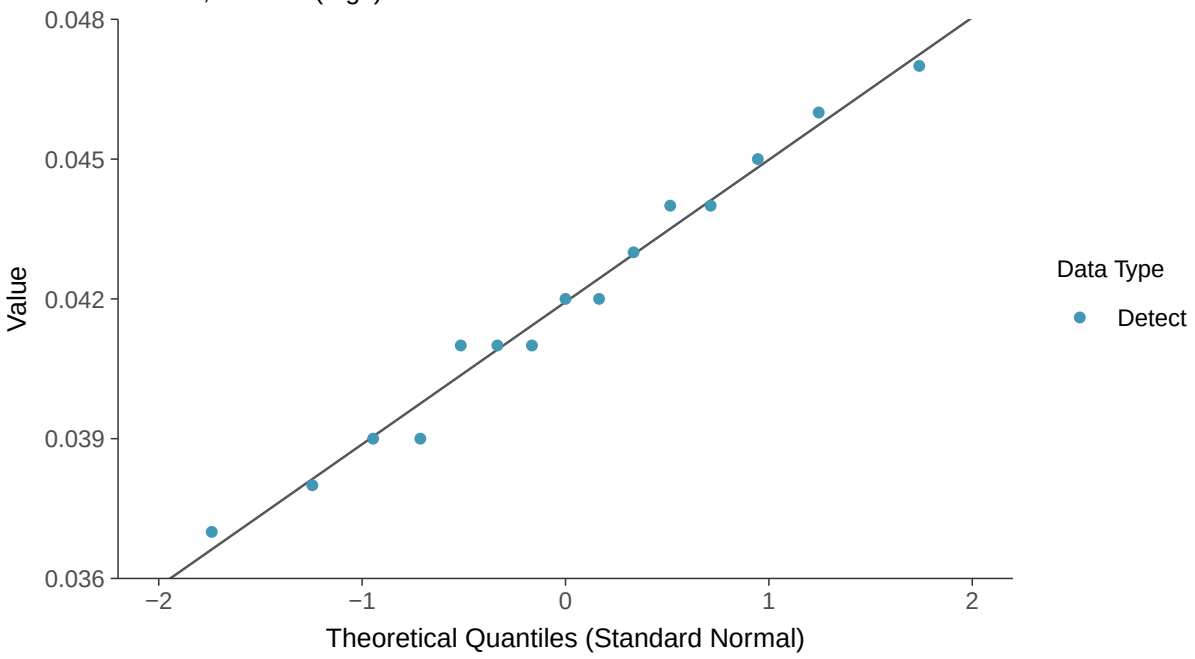
Boxplot by Season

Barium, MW-7C (mg/l)



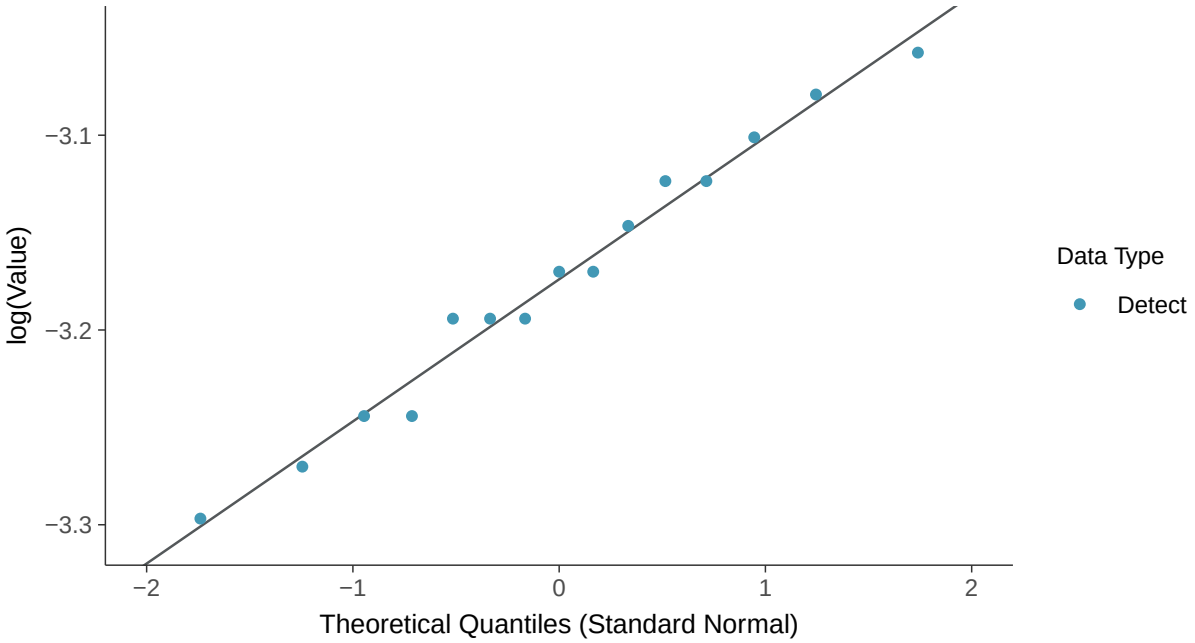
Normal Q-Q plot

Barium, MW-7C (mg/l)



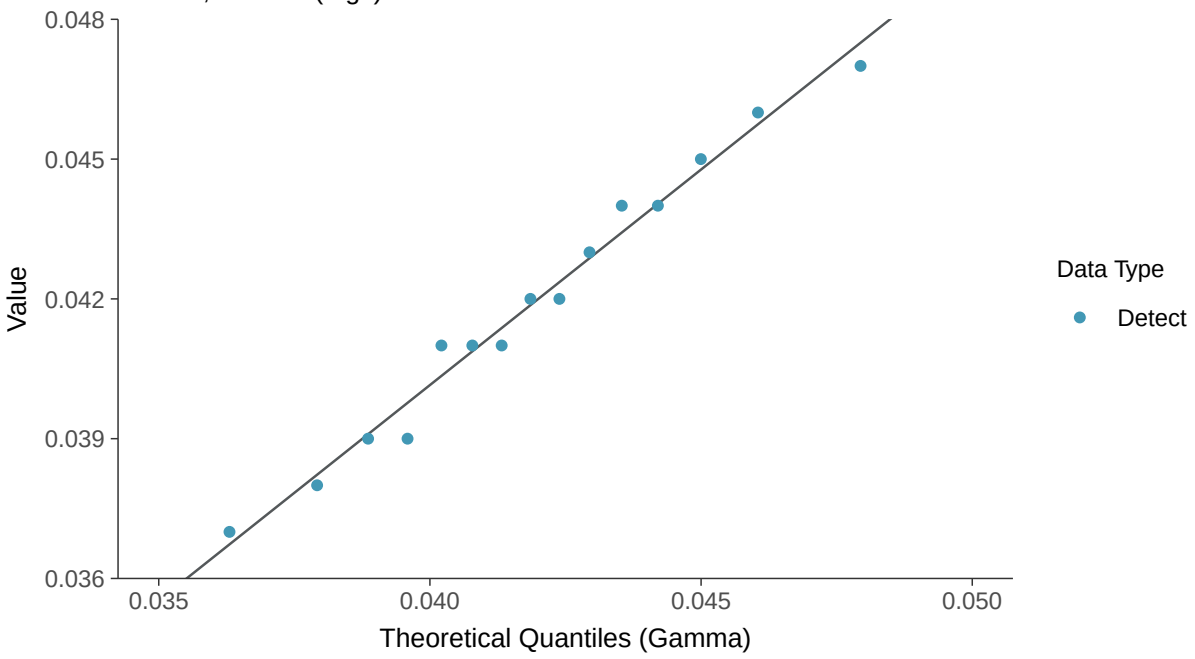
Lognormal Q-Q plot

Barium, MW-7C (mg/l)



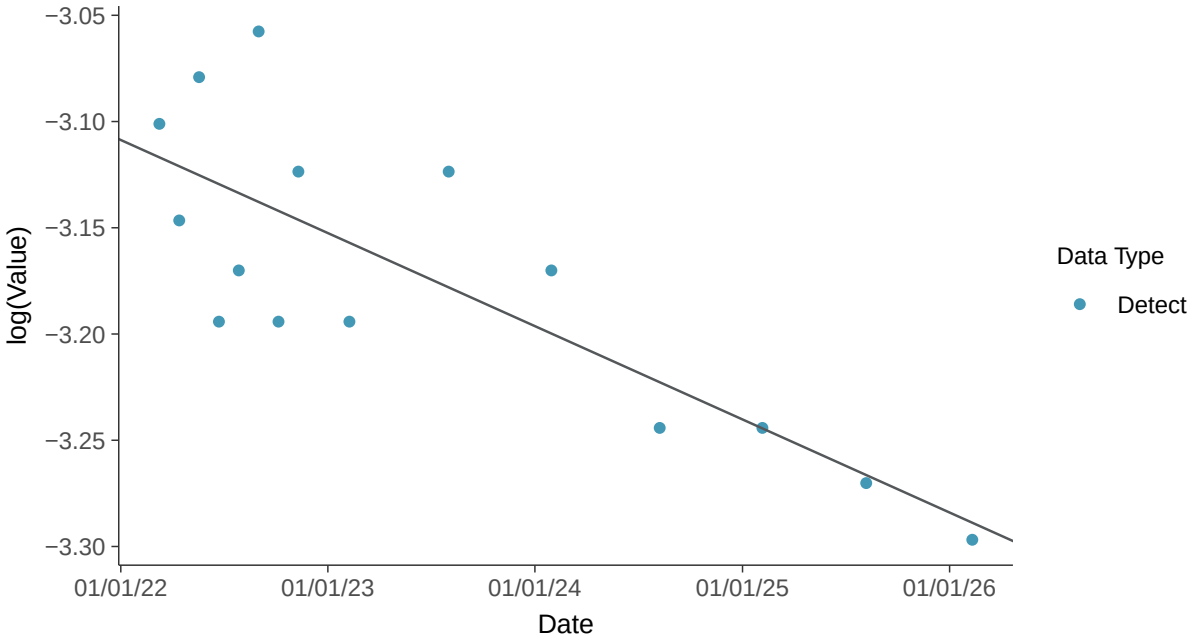
Gamma Q-Q plot

Barium, MW-7C (mg/l)



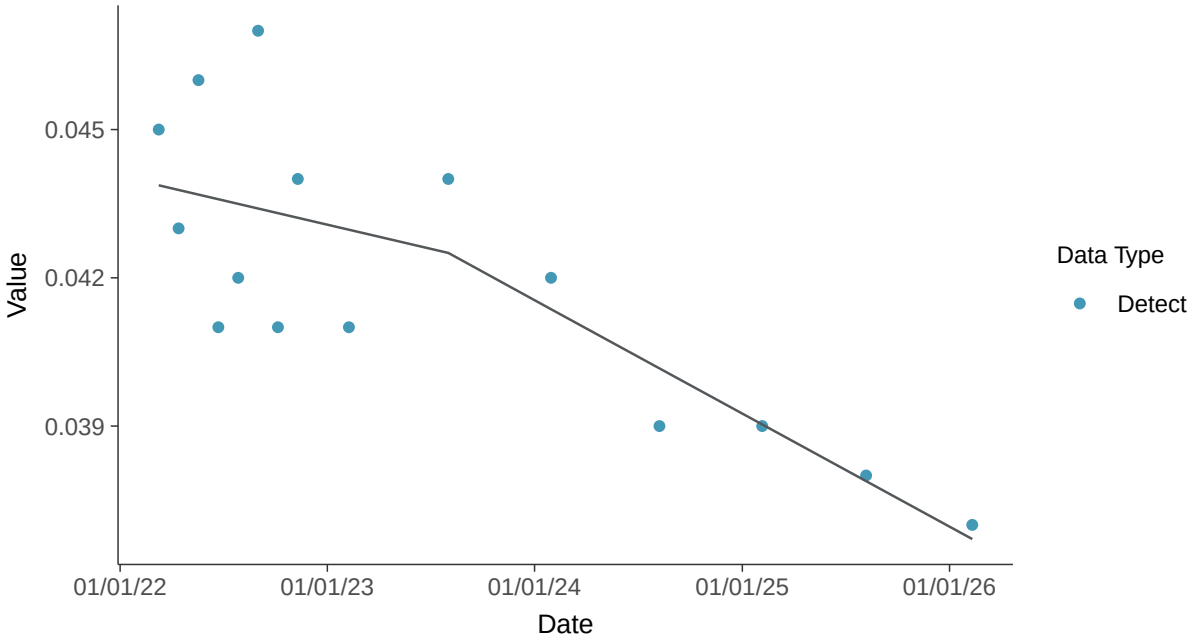
Trend Regression: Lognormal MLE

Barium, MW-7C (mg/l)



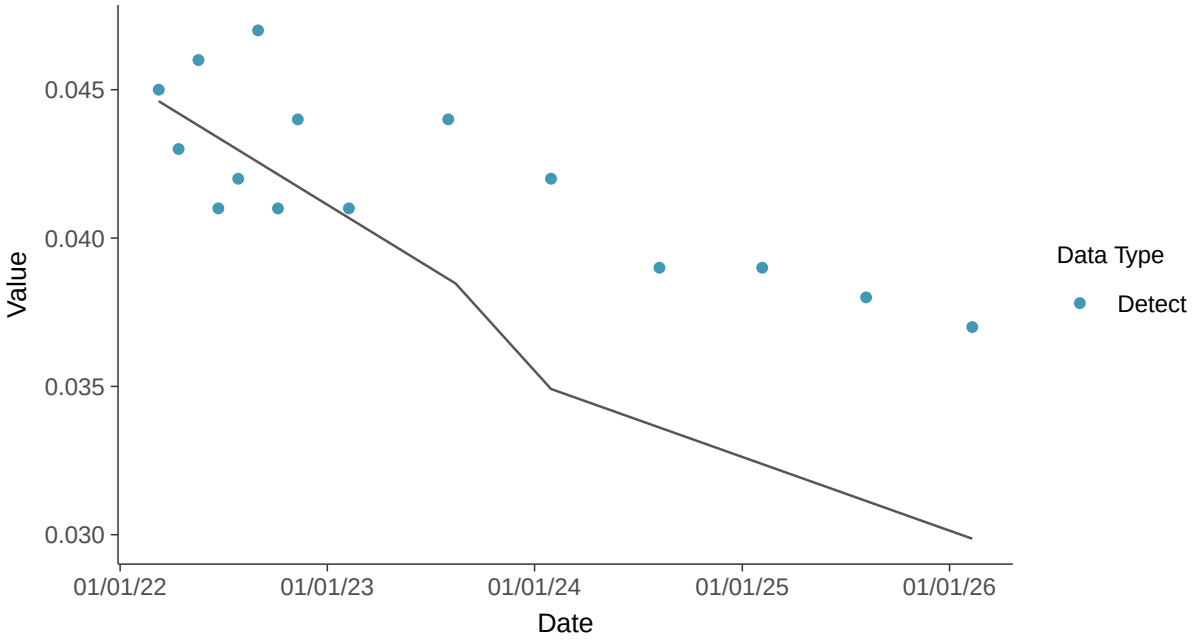
Trend Regression: Piecewise Linear-Linear

Barium, MW-7C (mg/l)



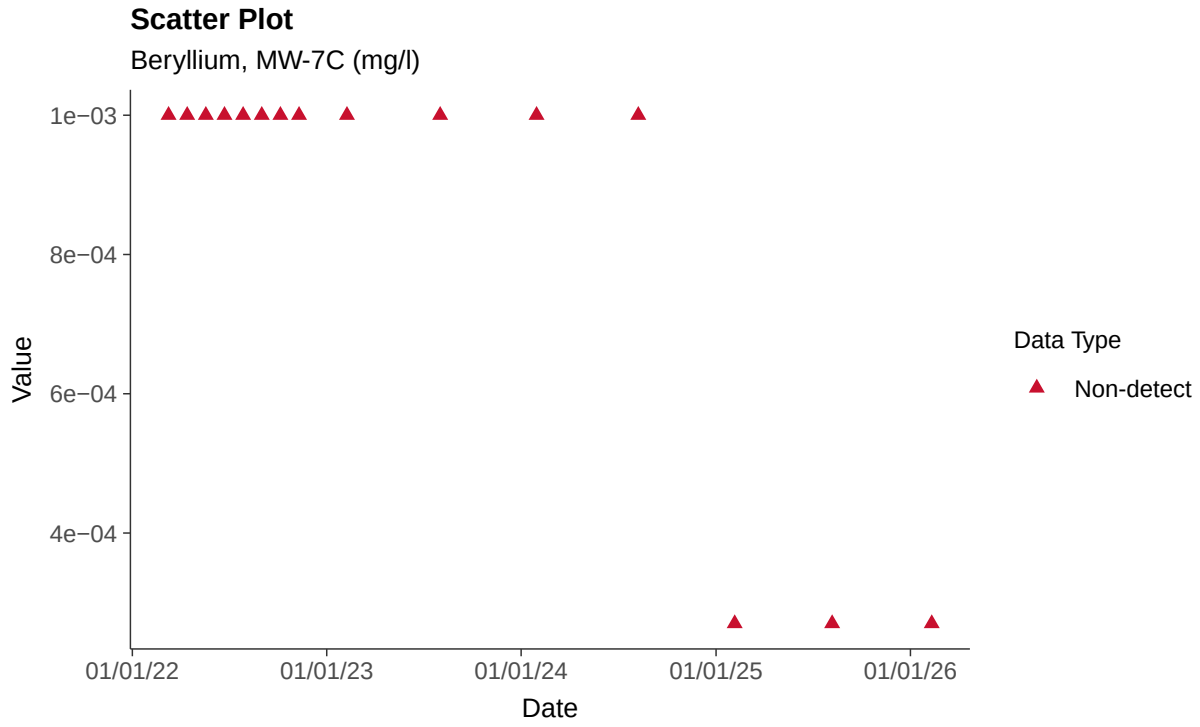
Trend Regression: Piecewise Linear-Linear-Linear

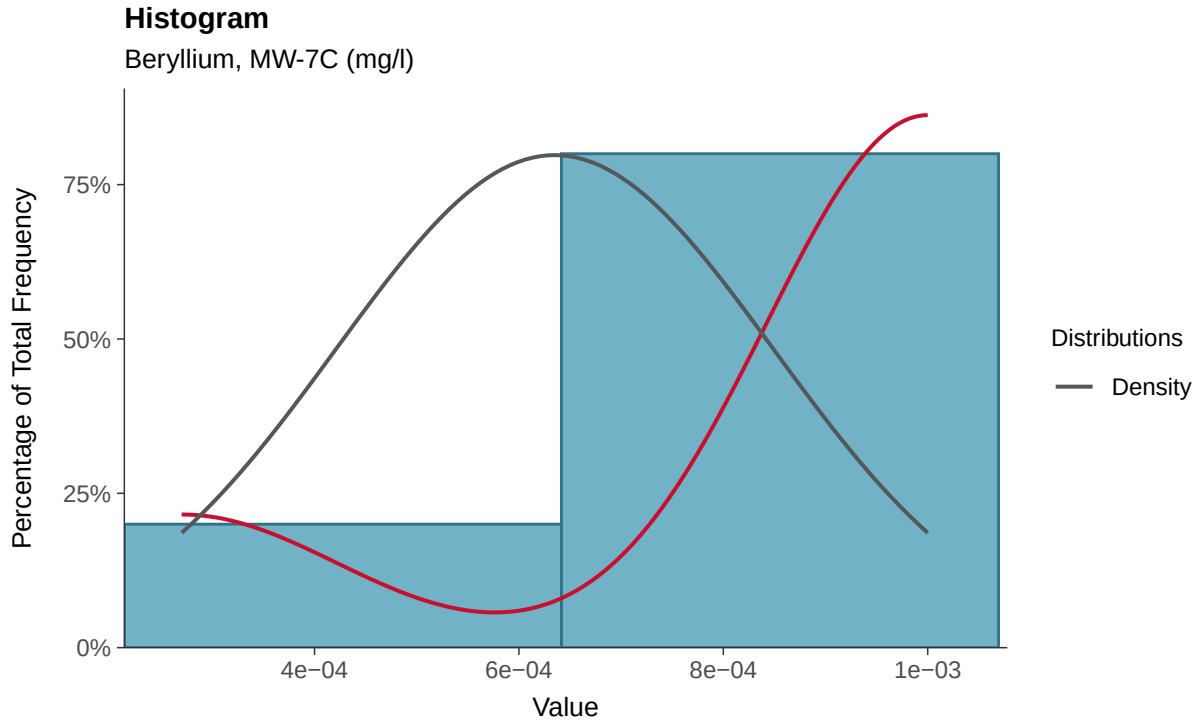
Barium, MW-7C (mg/l)



Appendix IV: Beryllium, MW-7C

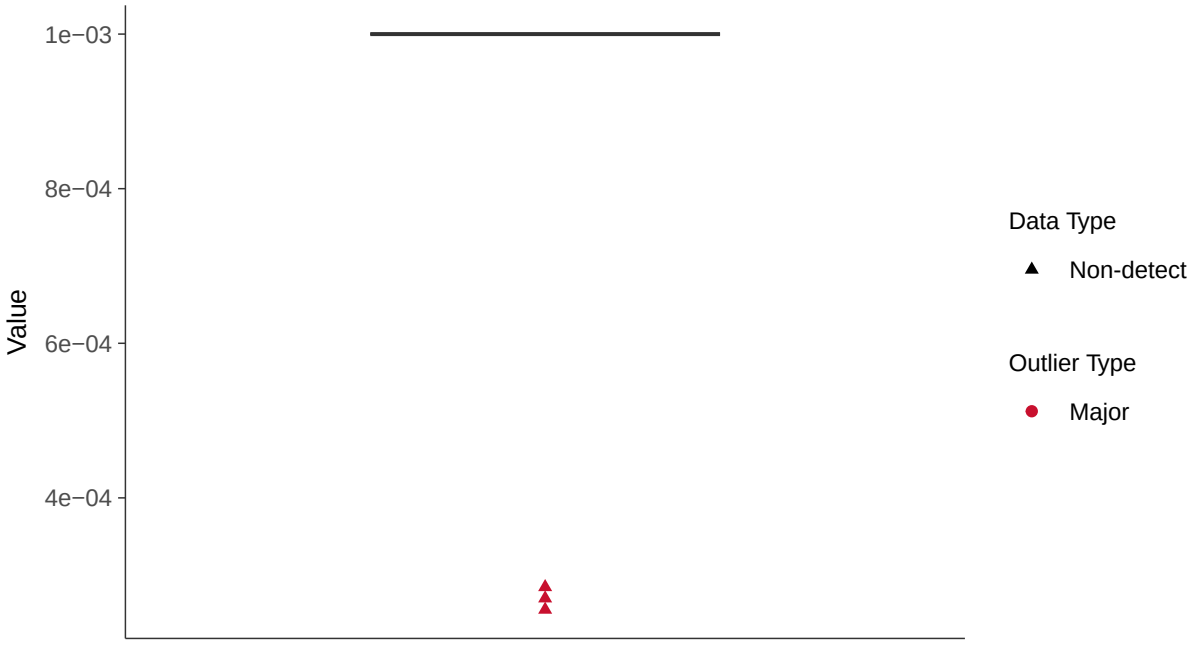
ID: 16_3_104





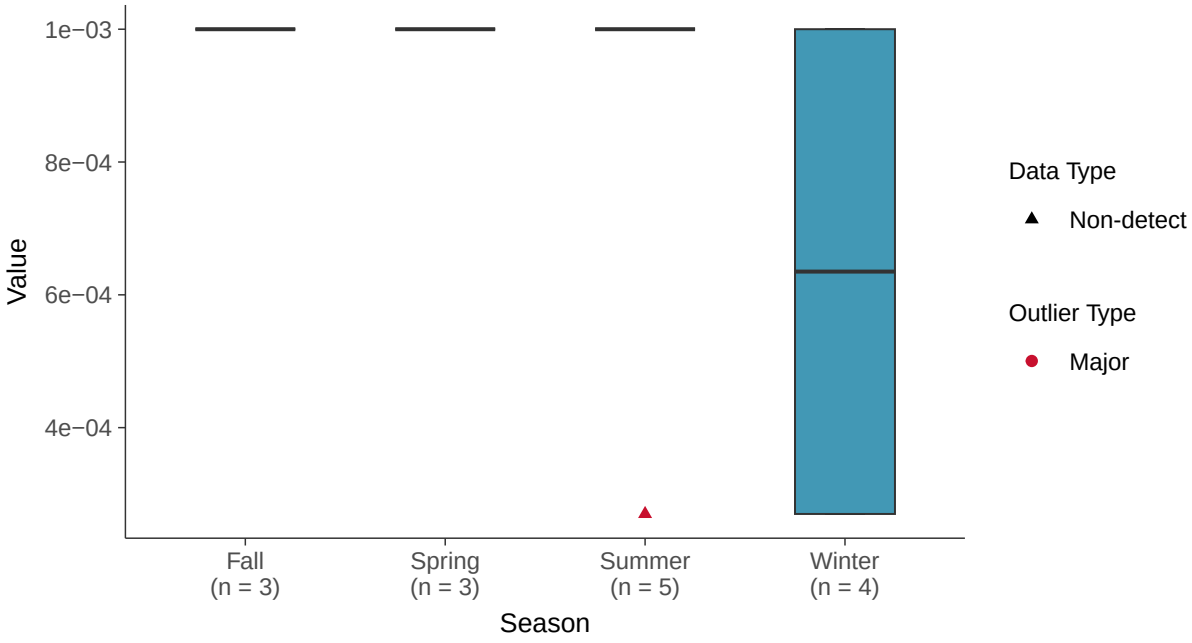
Boxplot

Beryllium, MW-7C (mg/l)



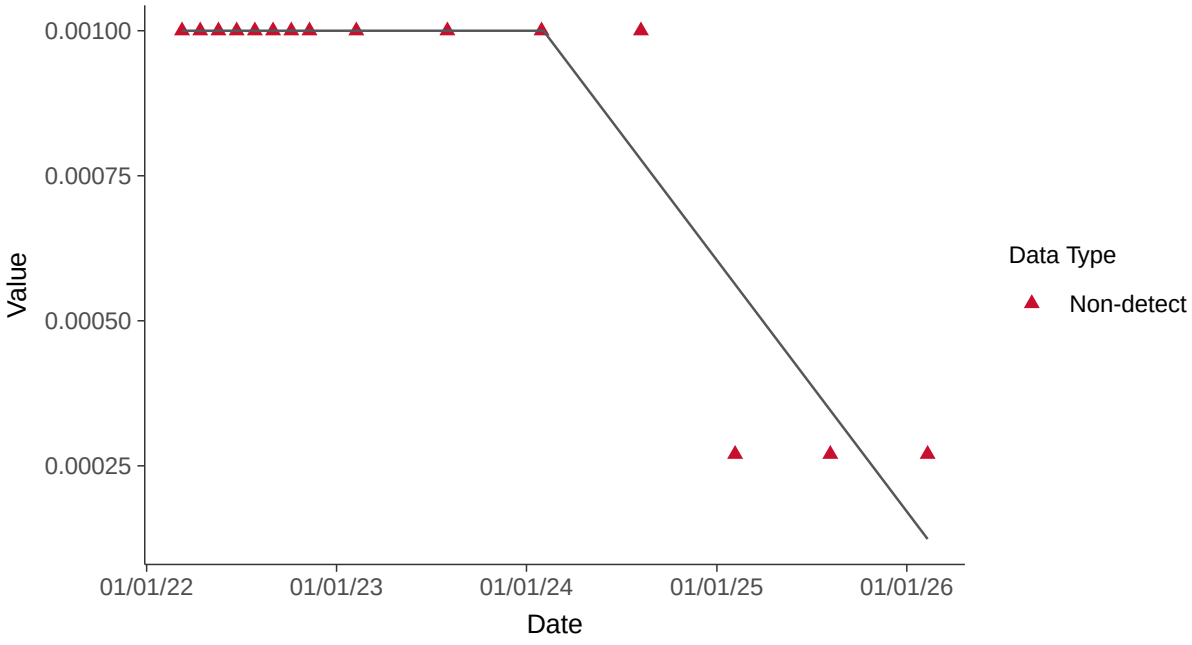
Boxplot by Season

Beryllium, MW-7C (mg/l)



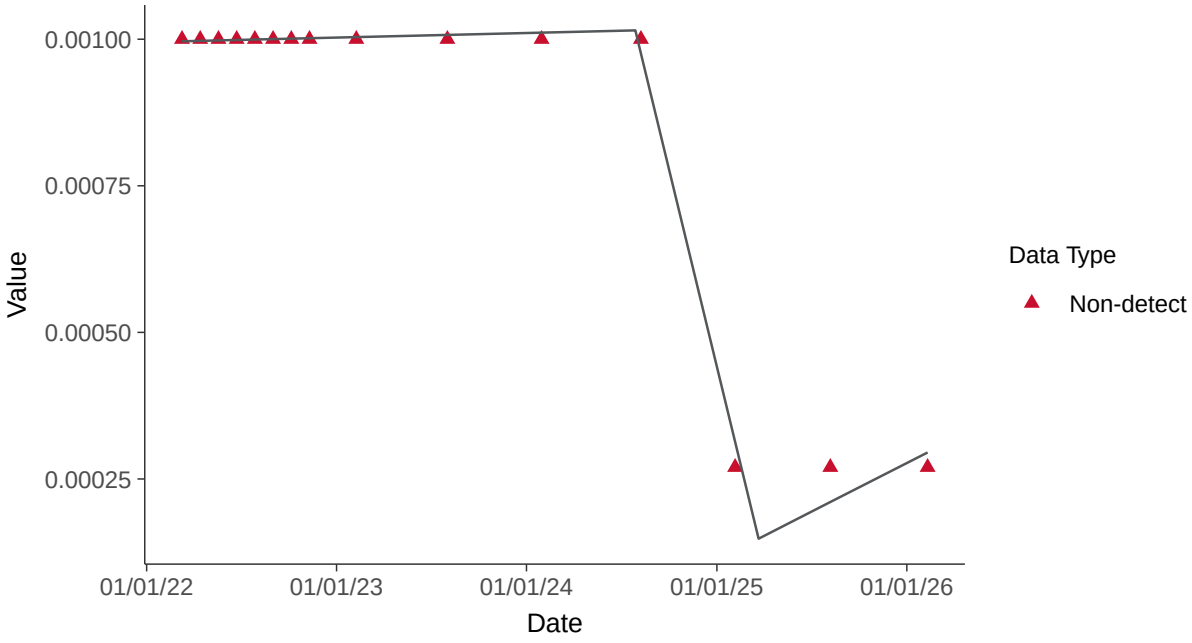
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-7C (mg/l)



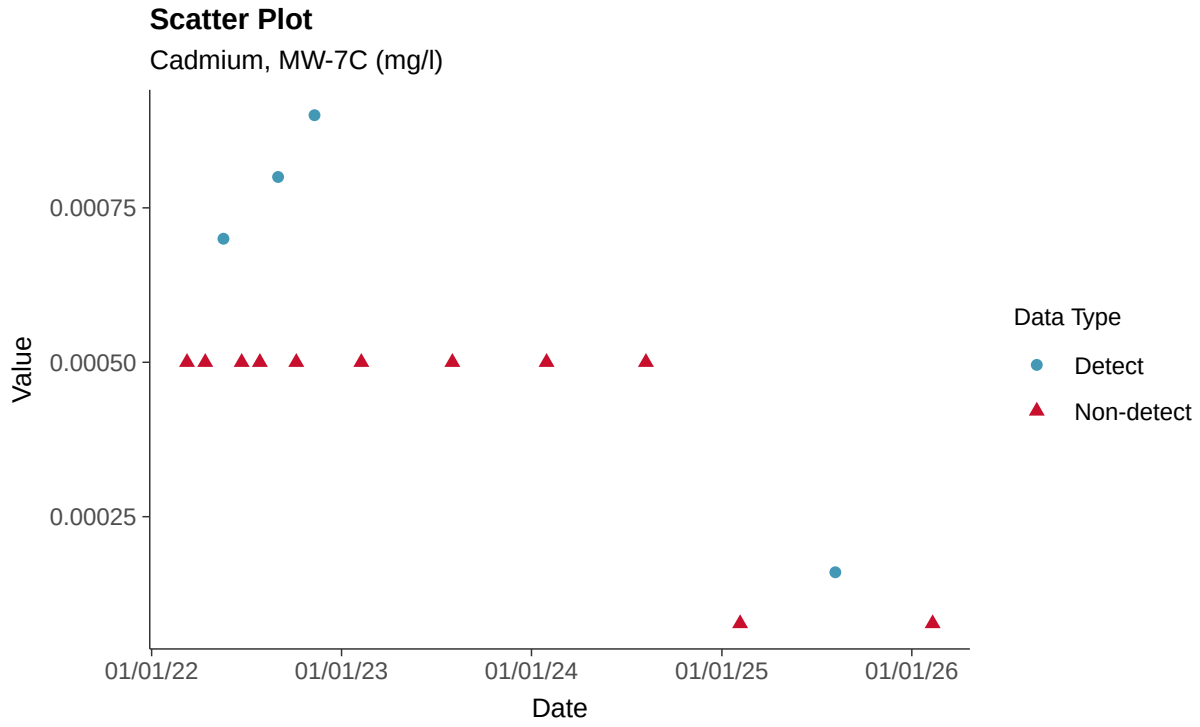
Trend Regression: Piecewise Linear-Linear-Linear

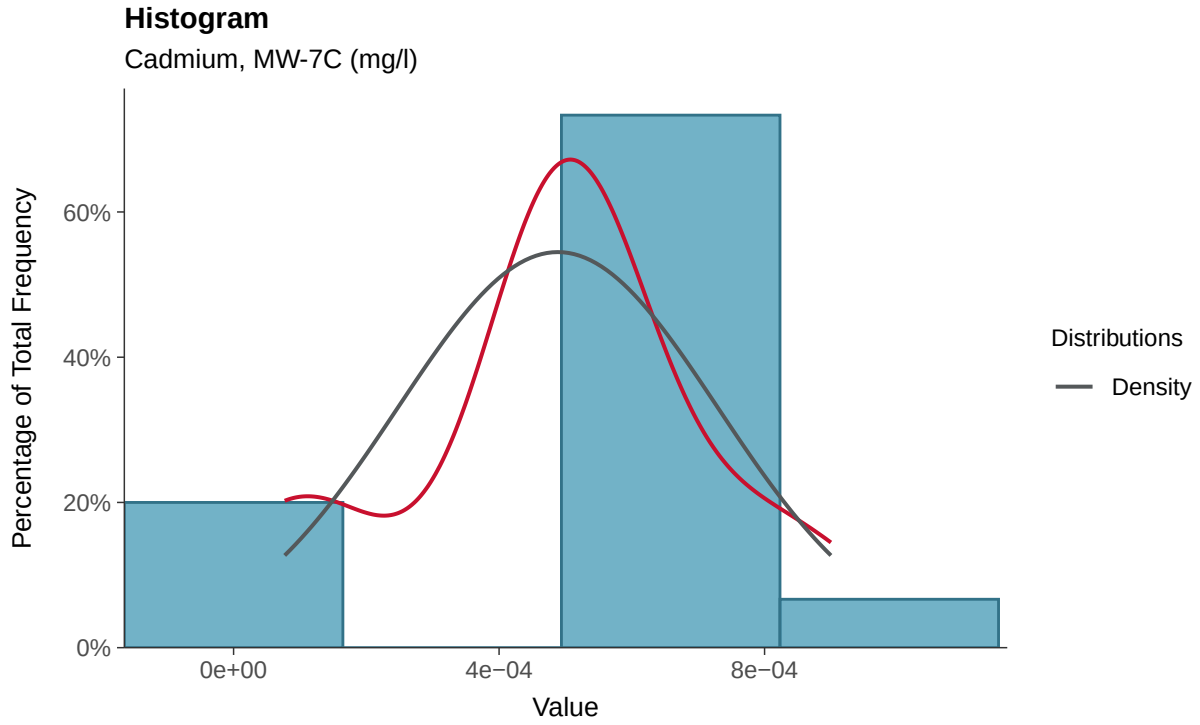
Beryllium, MW-7C (mg/l)



Appendix IV: Cadmium, MW-7C

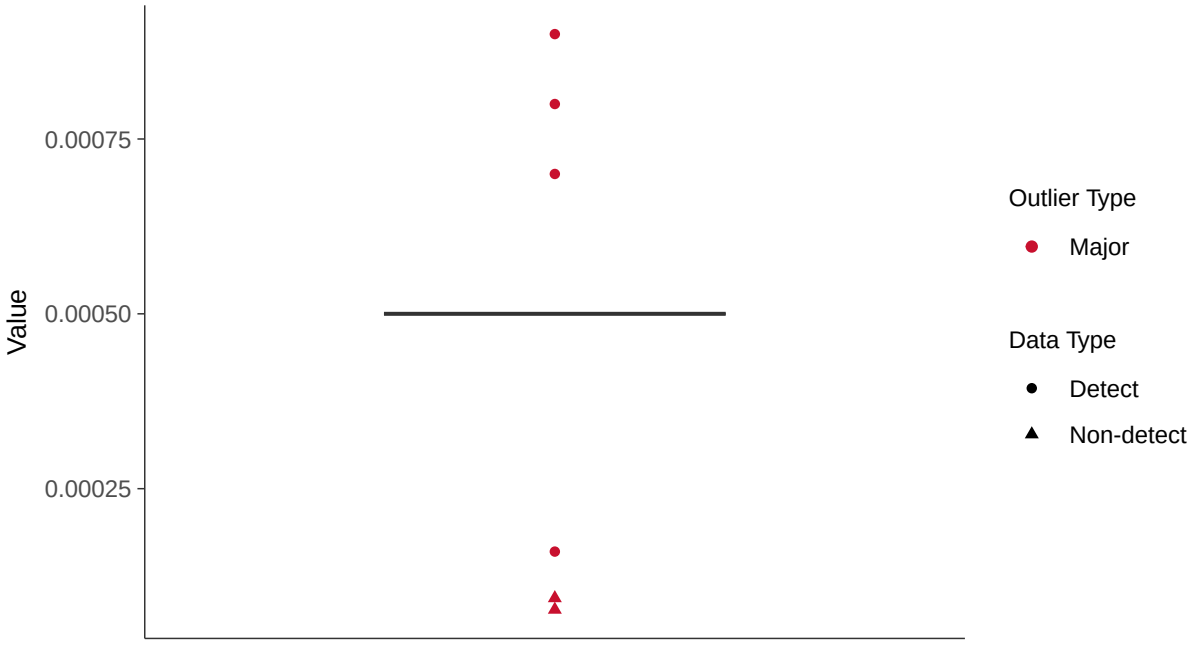
ID: 16_3_106





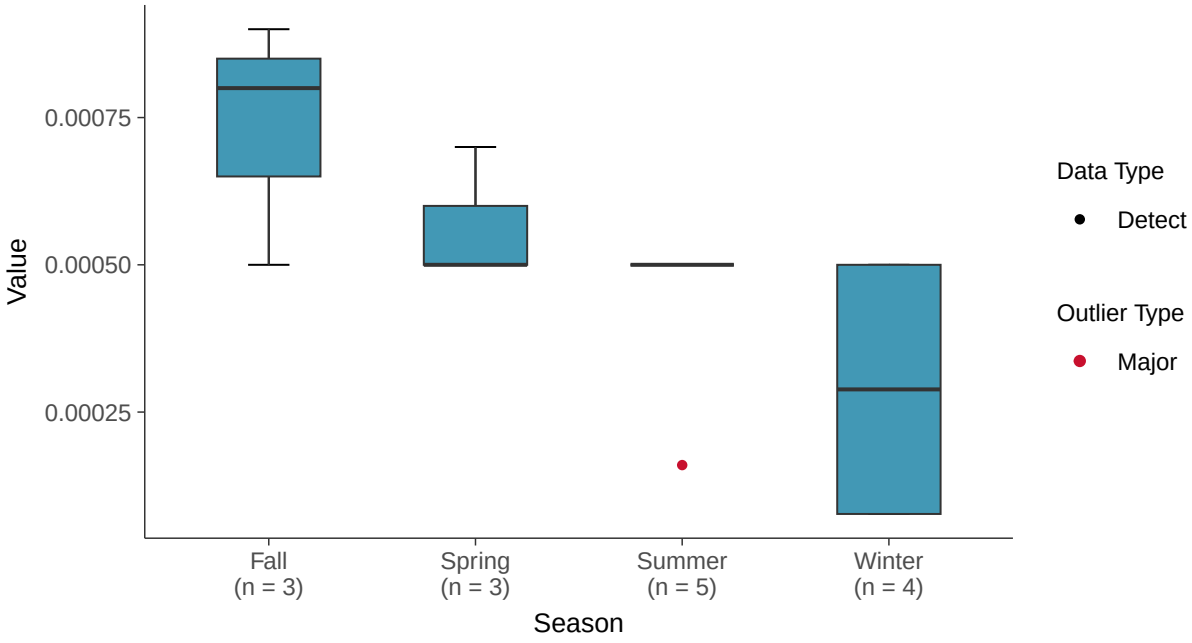
Boxplot

Cadmium, MW-7C (mg/l)



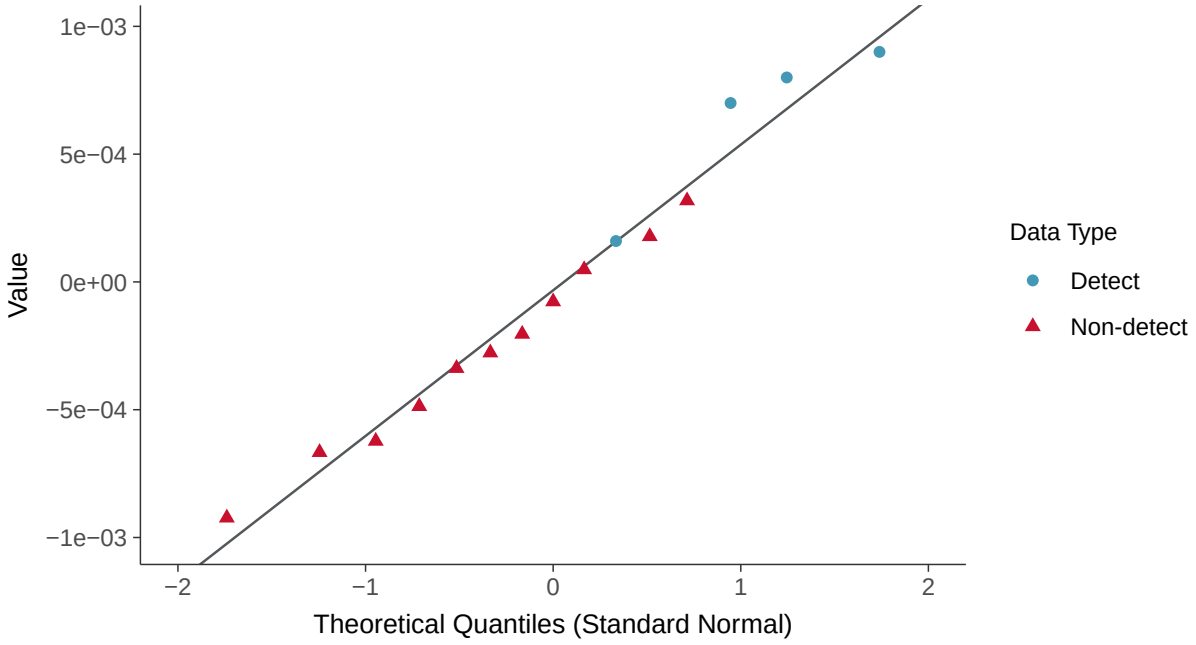
Boxplot by Season

Cadmium, MW-7C (mg/l)



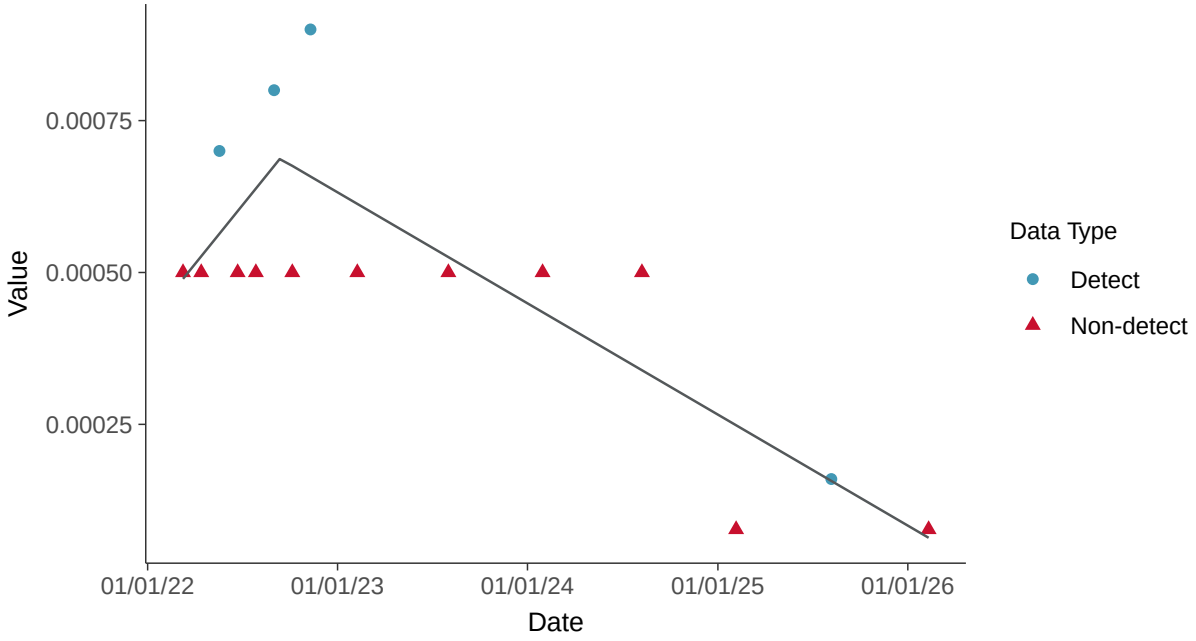
Normal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-7C (mg/l)



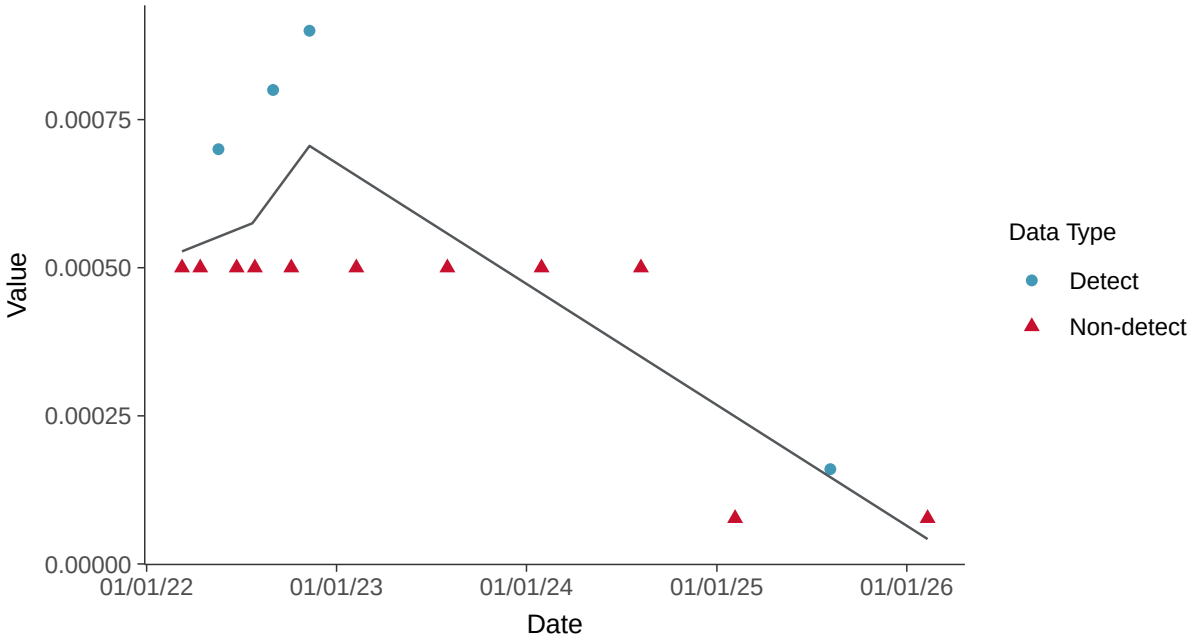
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-7C (mg/l)



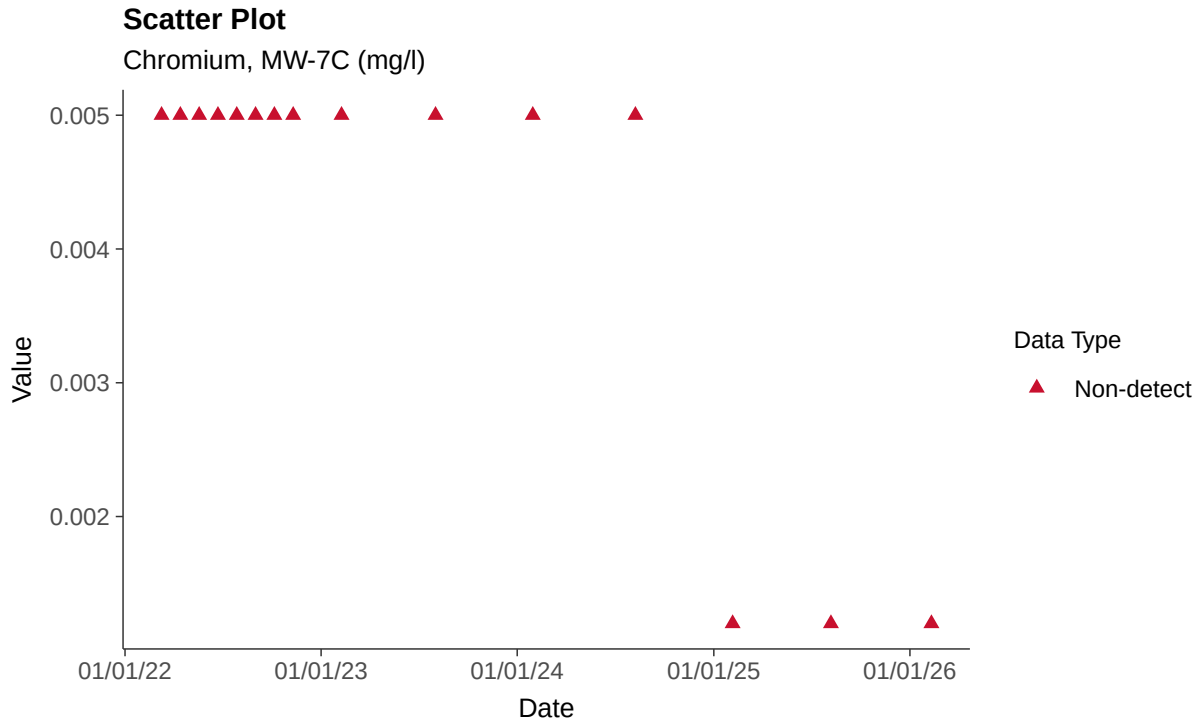
Trend Regression: Piecewise Linear-Linear-Linear

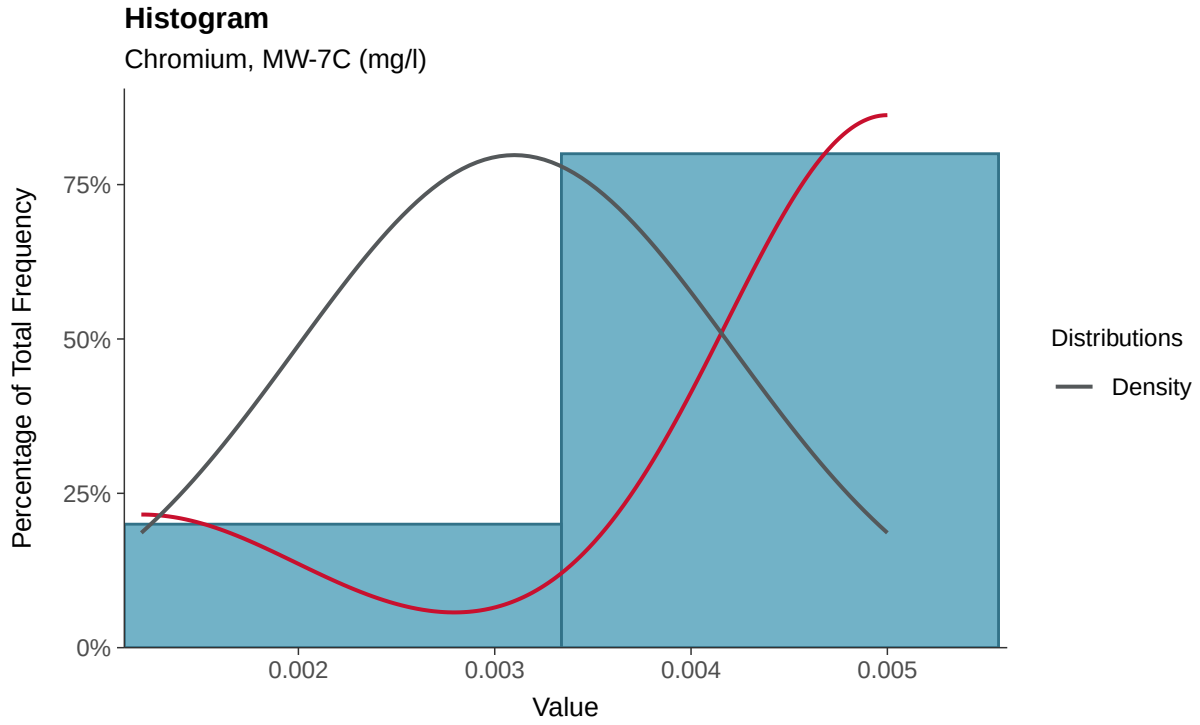
Cadmium, MW-7C (mg/l)



Appendix IV: Chromium, MW-7C

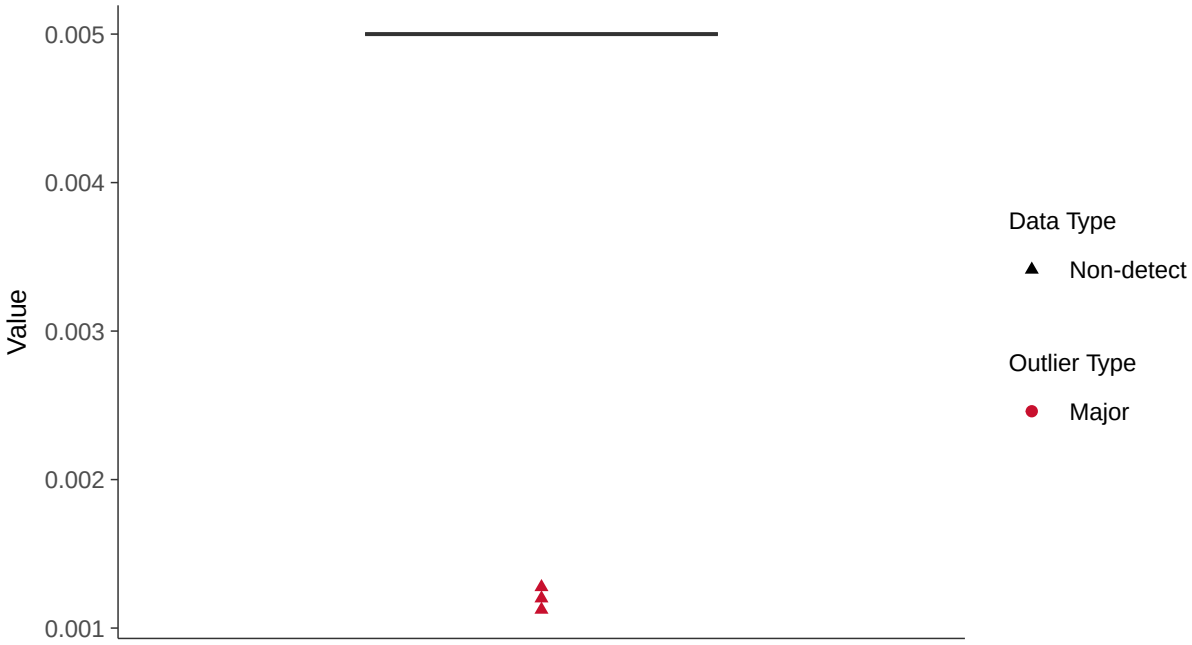
ID: 16_3_109





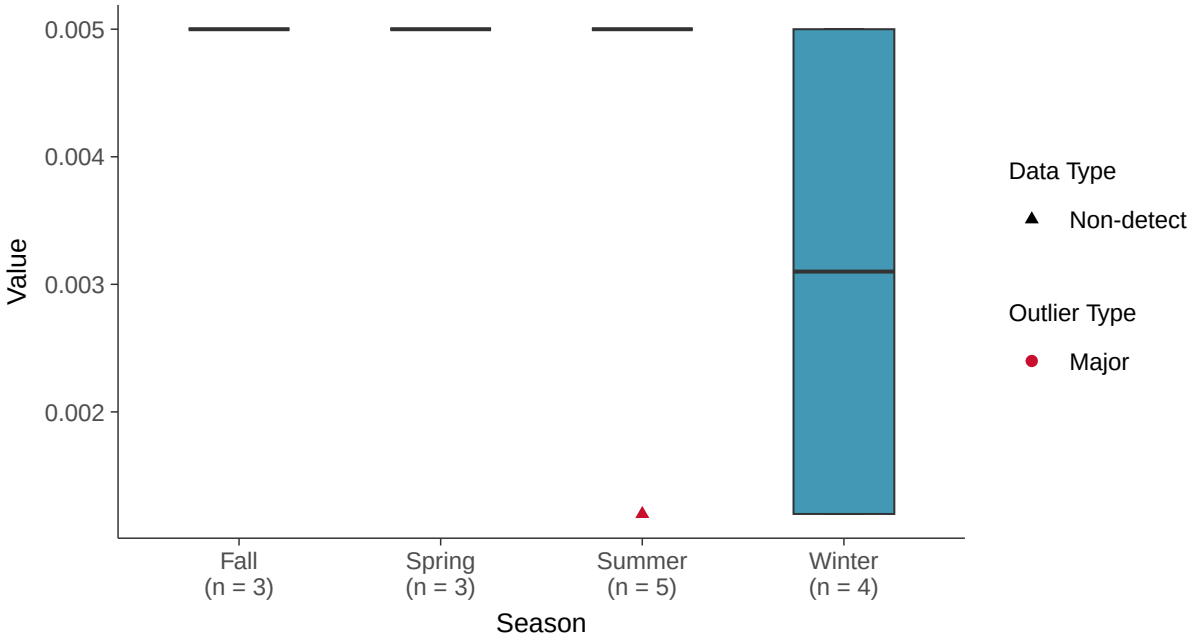
Boxplot

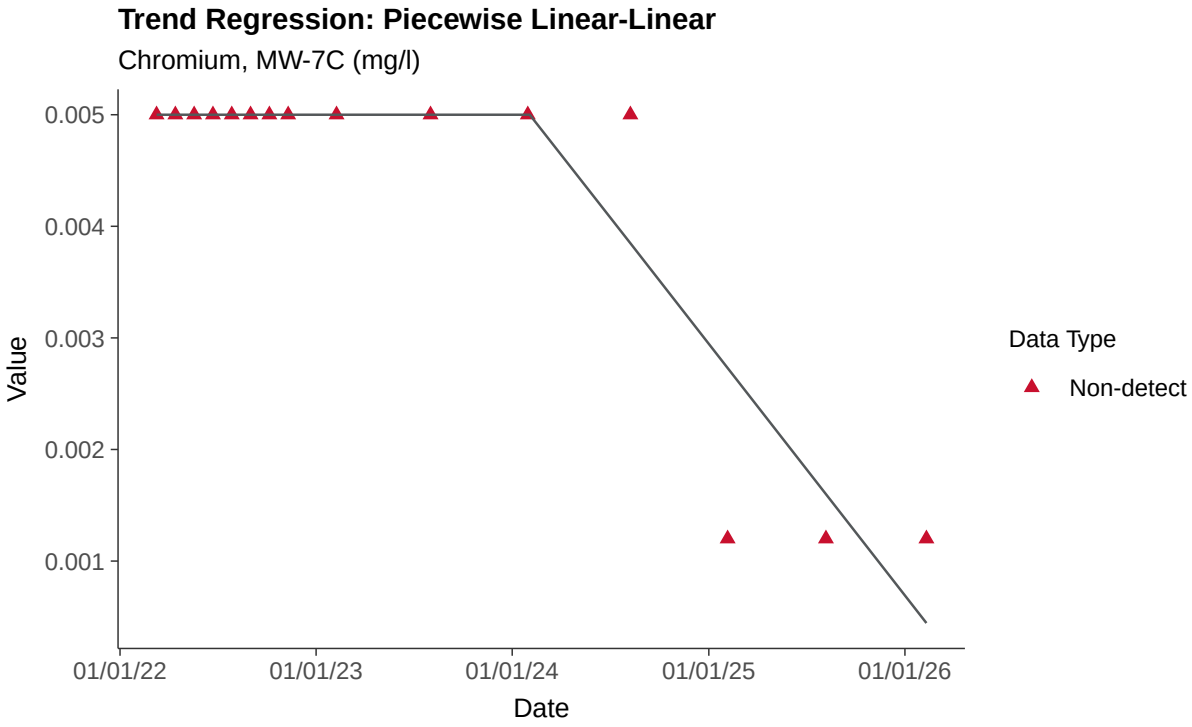
Chromium, MW-7C (mg/l)



Boxplot by Season

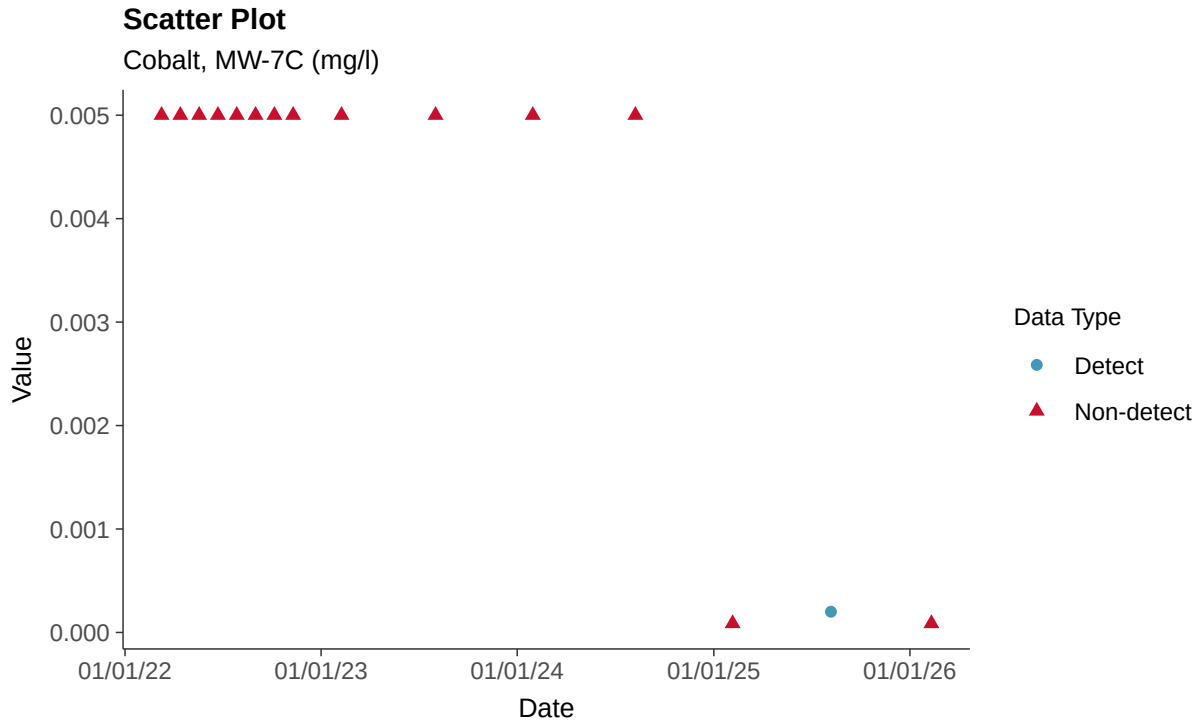
Chromium, MW-7C (mg/l)

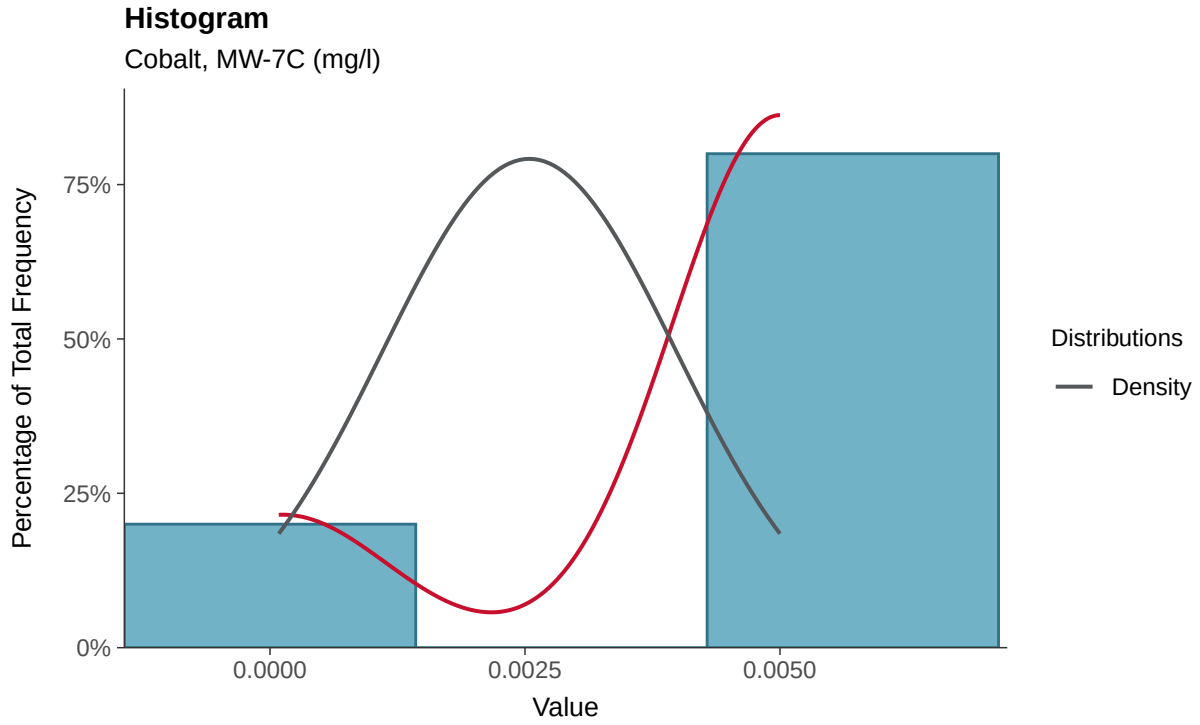



Trend Regression: Piecewise Linear-Linear
Chromium, MW-7C (mg/l)
0.005
0.004
0.003
0.002
0.001
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cobalt, MW-7C

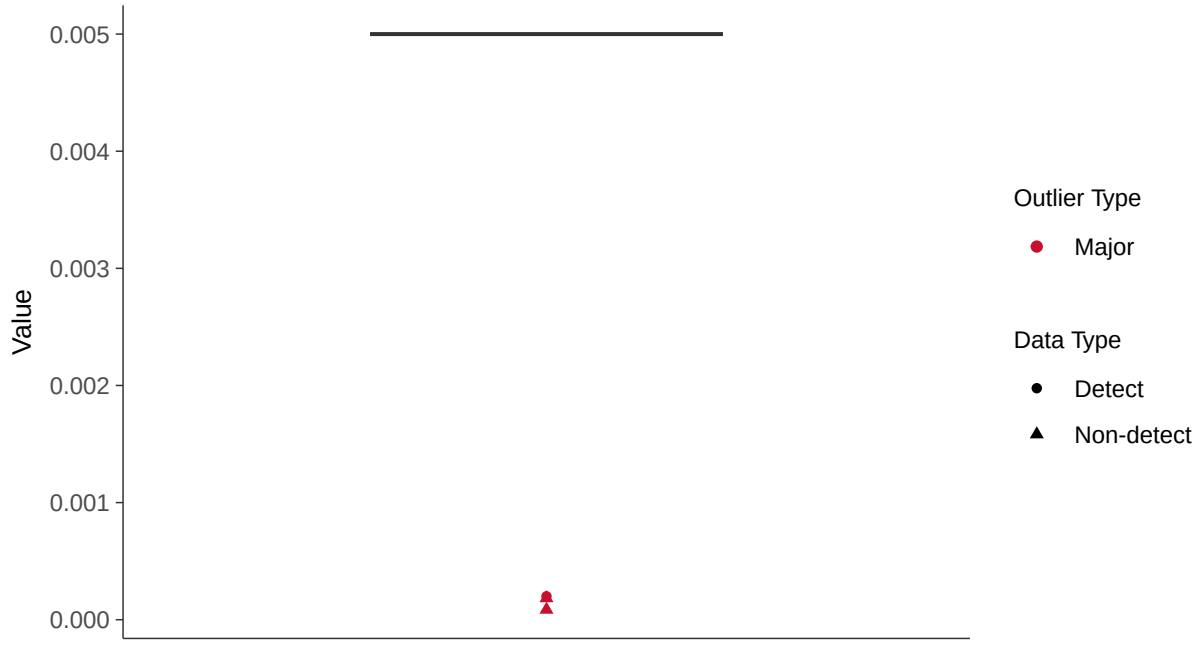
ID: 16_3_110





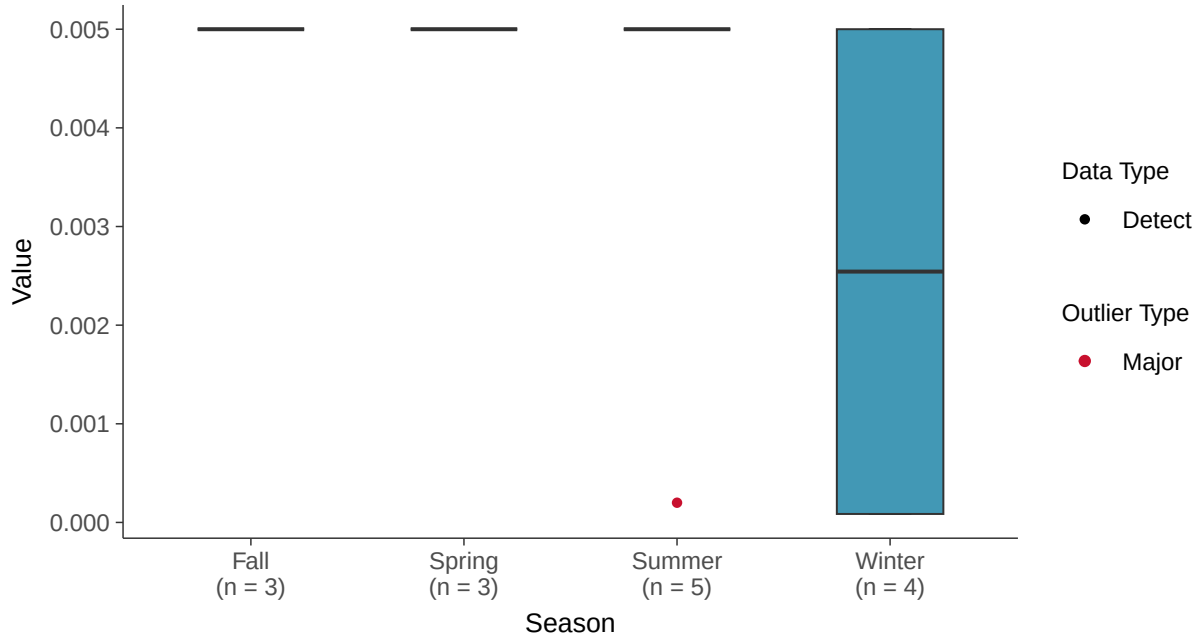
Boxplot

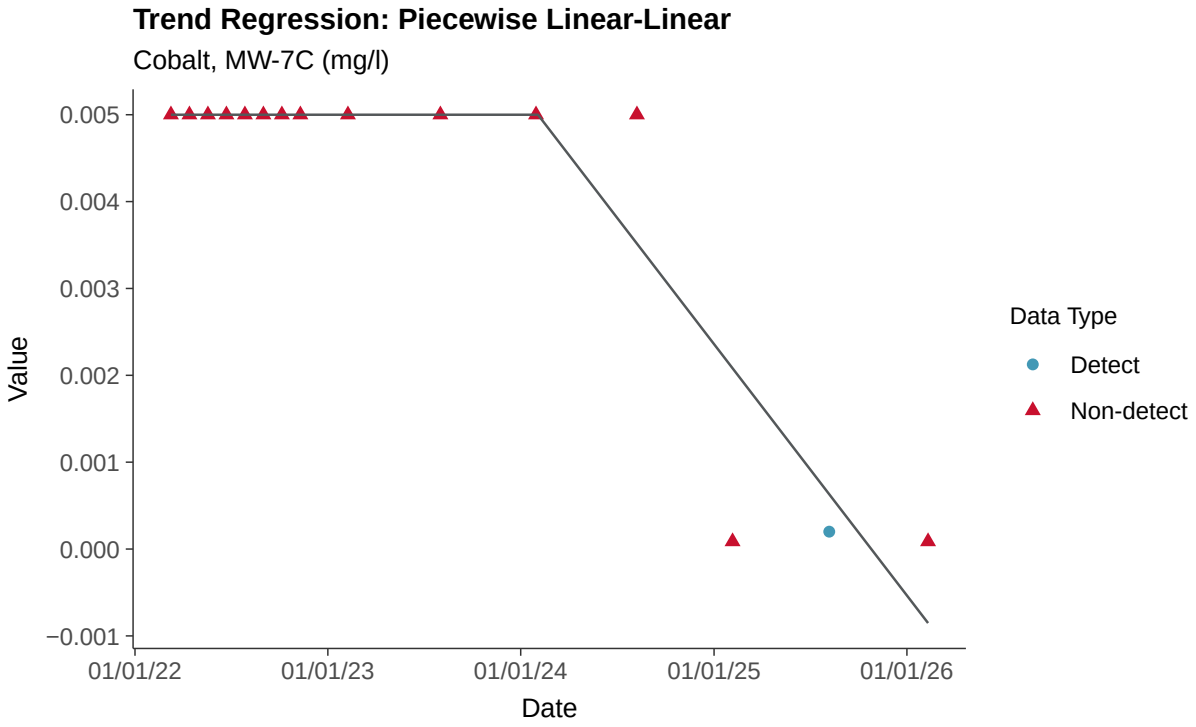
Cobalt, MW-7C (mg/l)



Boxplot by Season

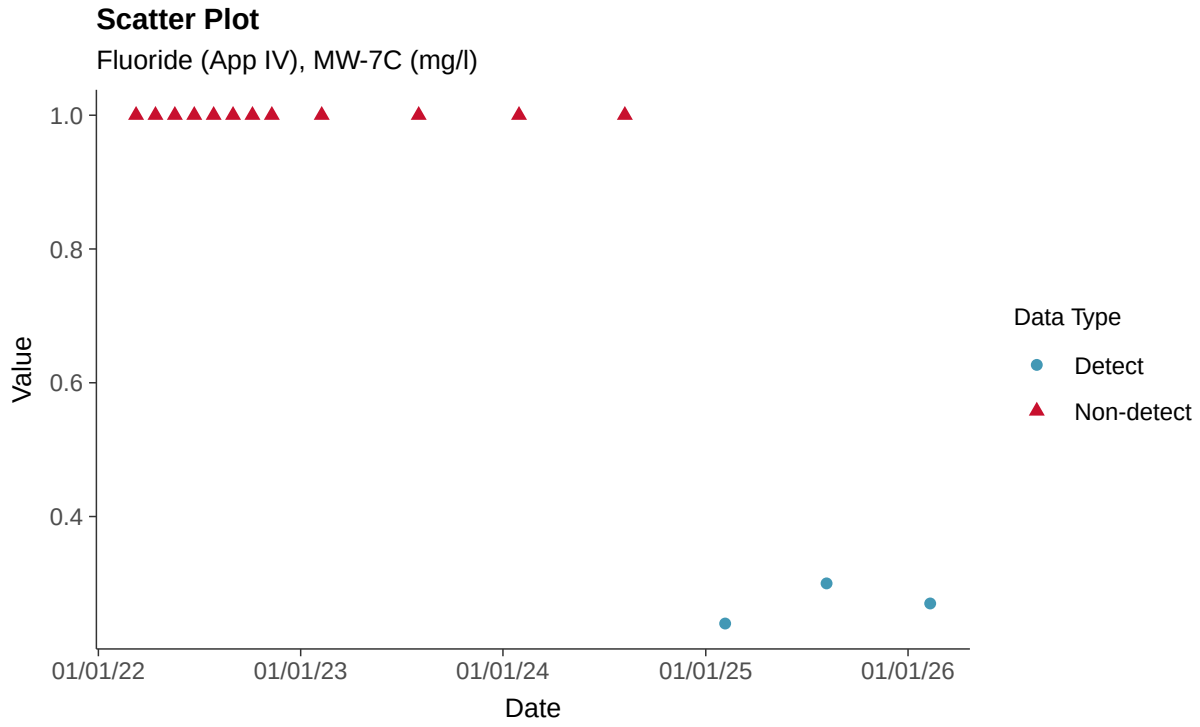
Cobalt, MW-7C (mg/l)

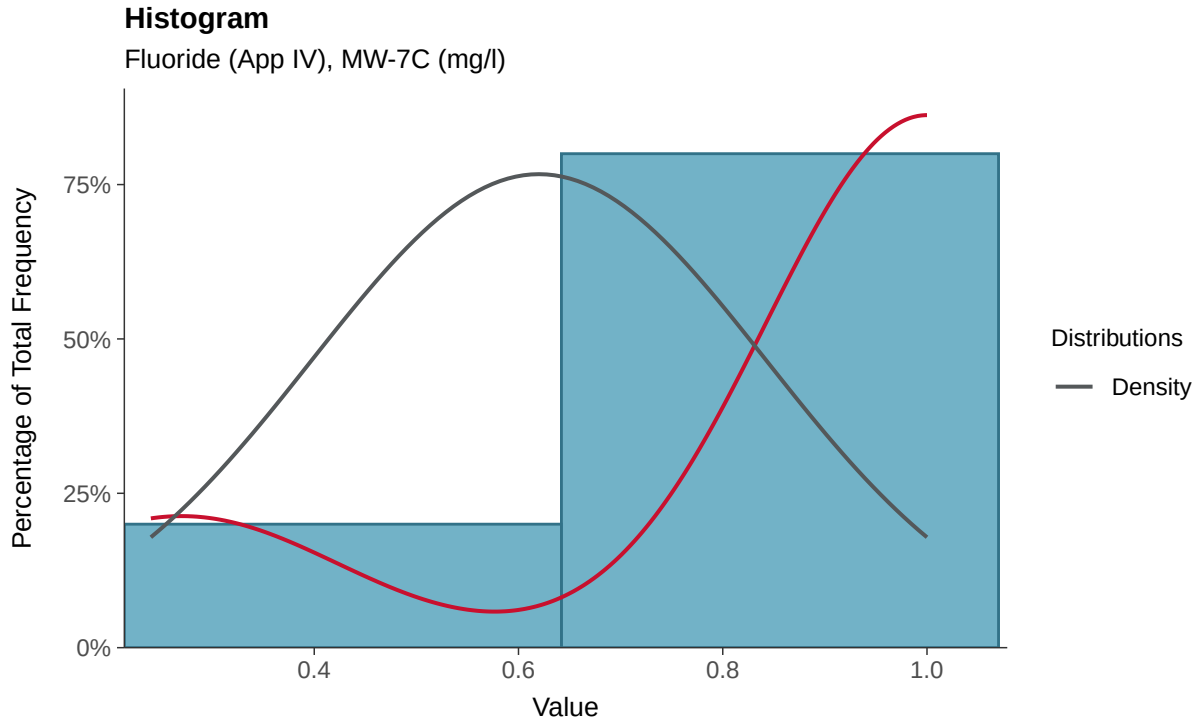



Trend Regression: Piecewise Linear-Linear
Cobalt, MW-7C (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
−0.001
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Fluoride (App IV), MW-7C

ID: 16_3_113



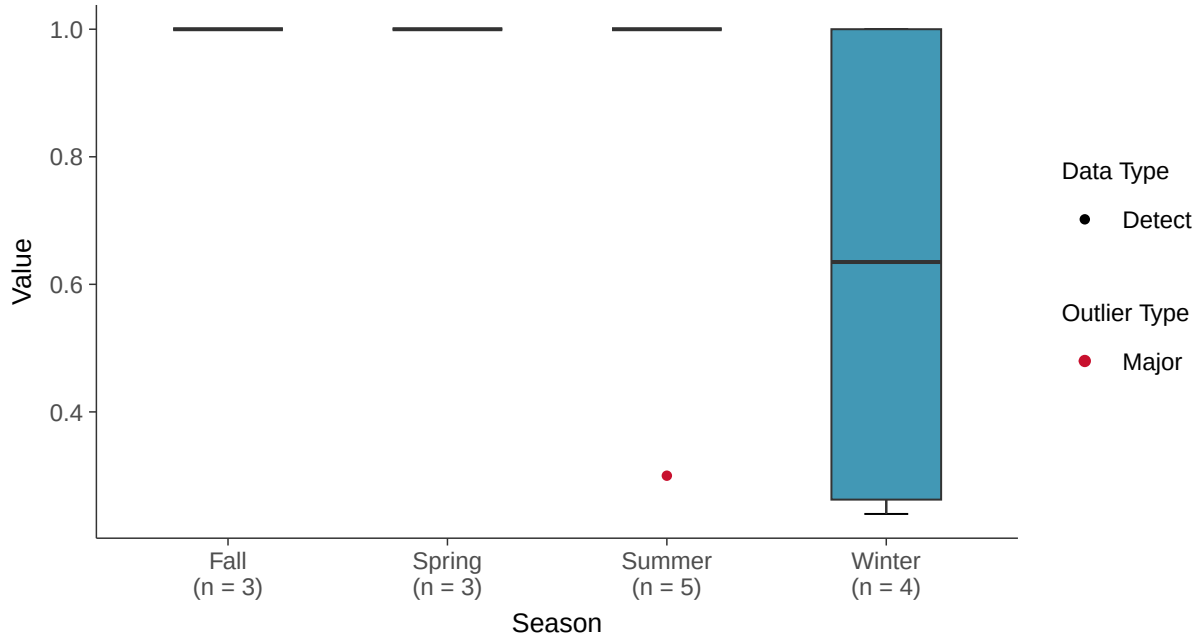


Boxplot

Fluoride (App IV), MW-7C (mg/l)

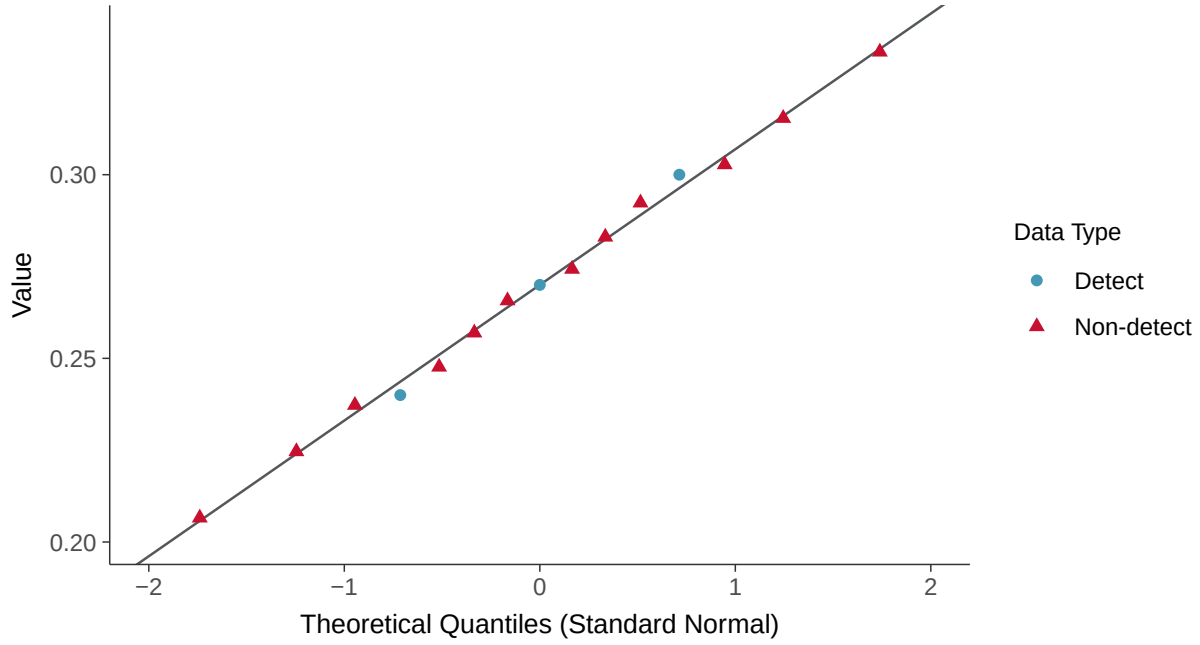
Boxplot by Season

Fluoride (App IV), MW-7C (mg/l)



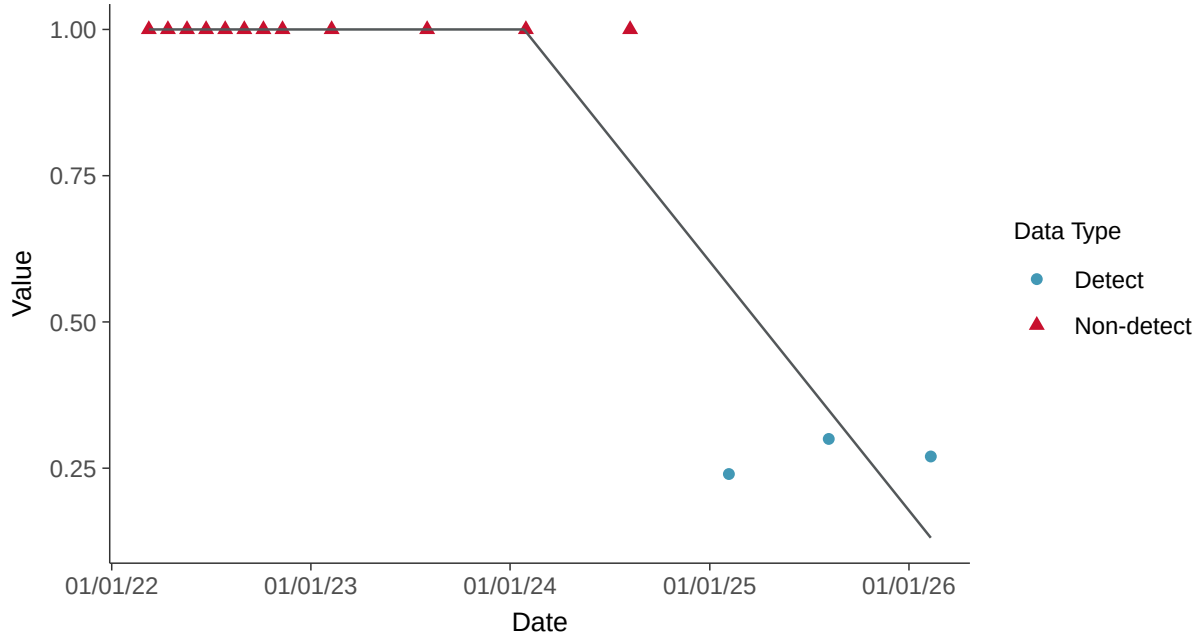
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-7C (mg/l)



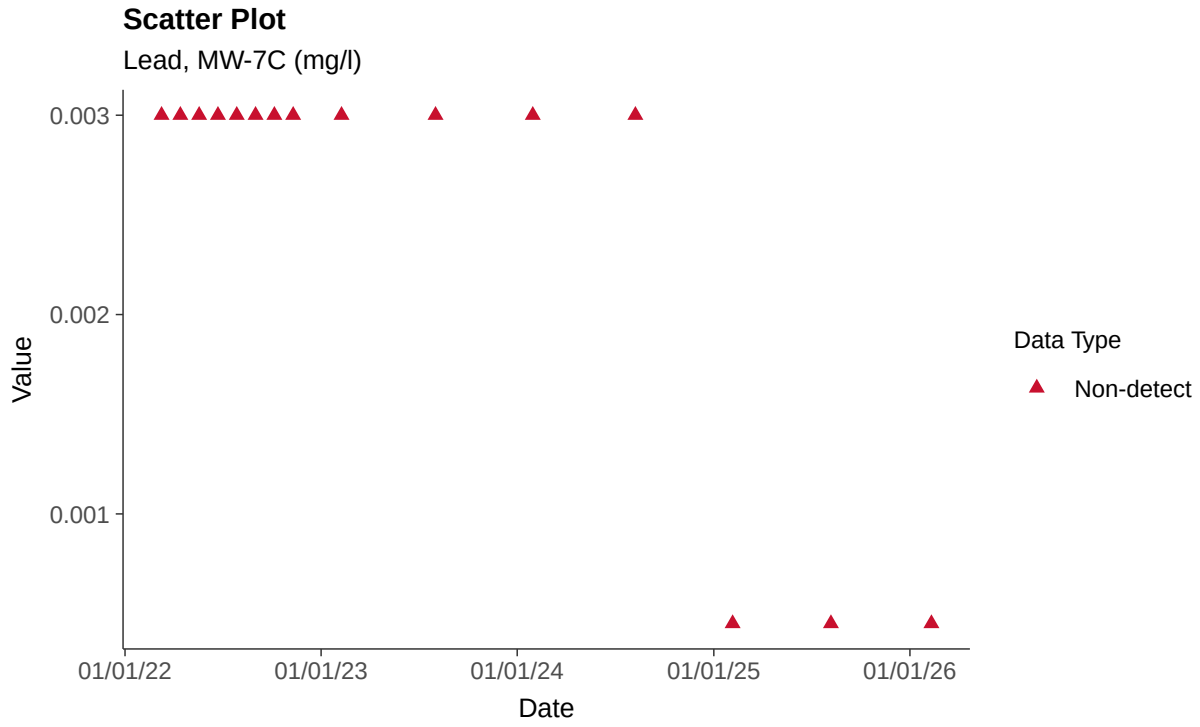
Trend Regression: Piecewise Linear-Linear

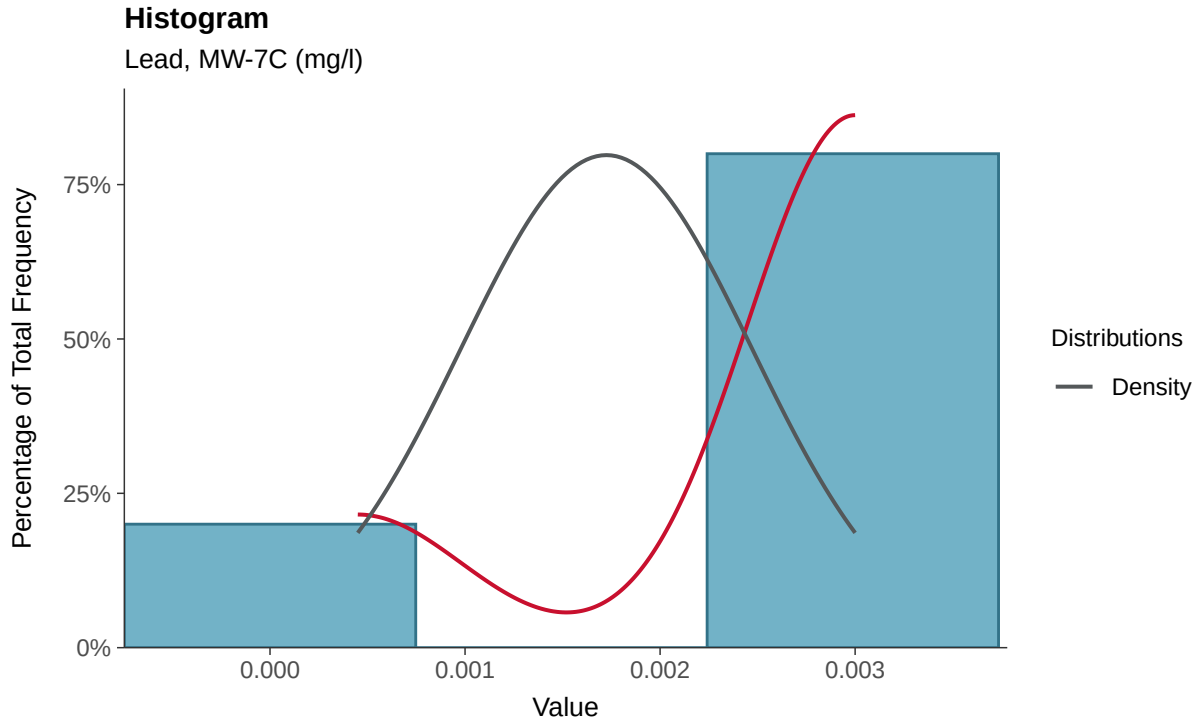
Fluoride (App IV), MW-7C (mg/l)



Appendix IV: Lead, MW-7C

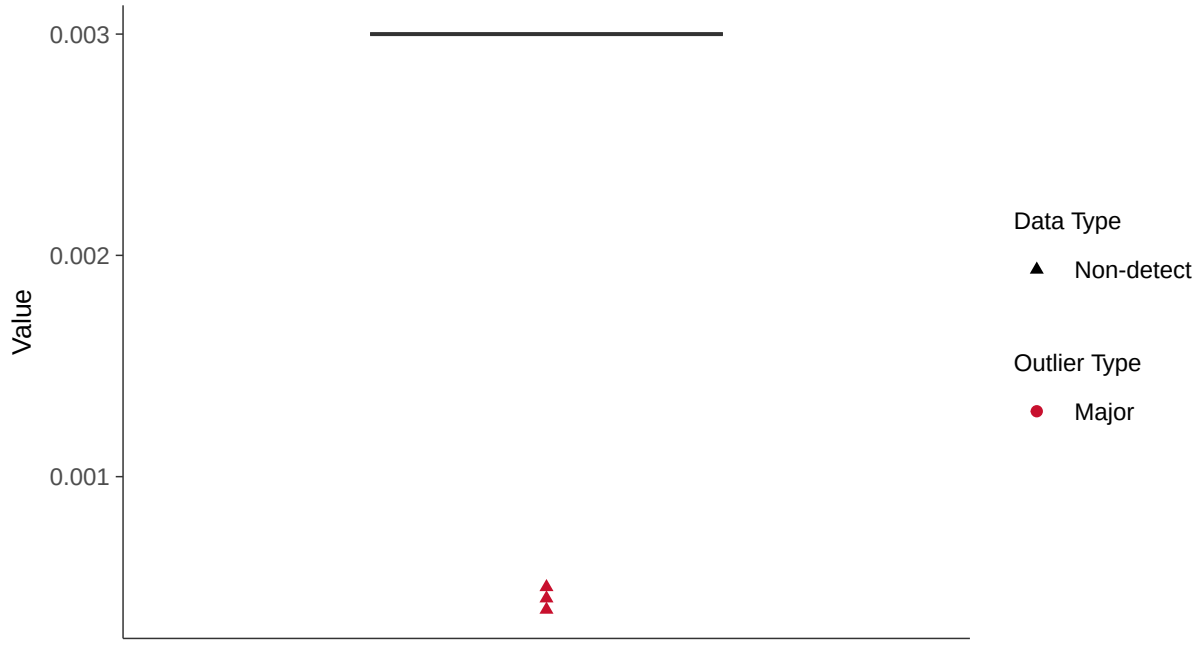
ID: 16_3_115





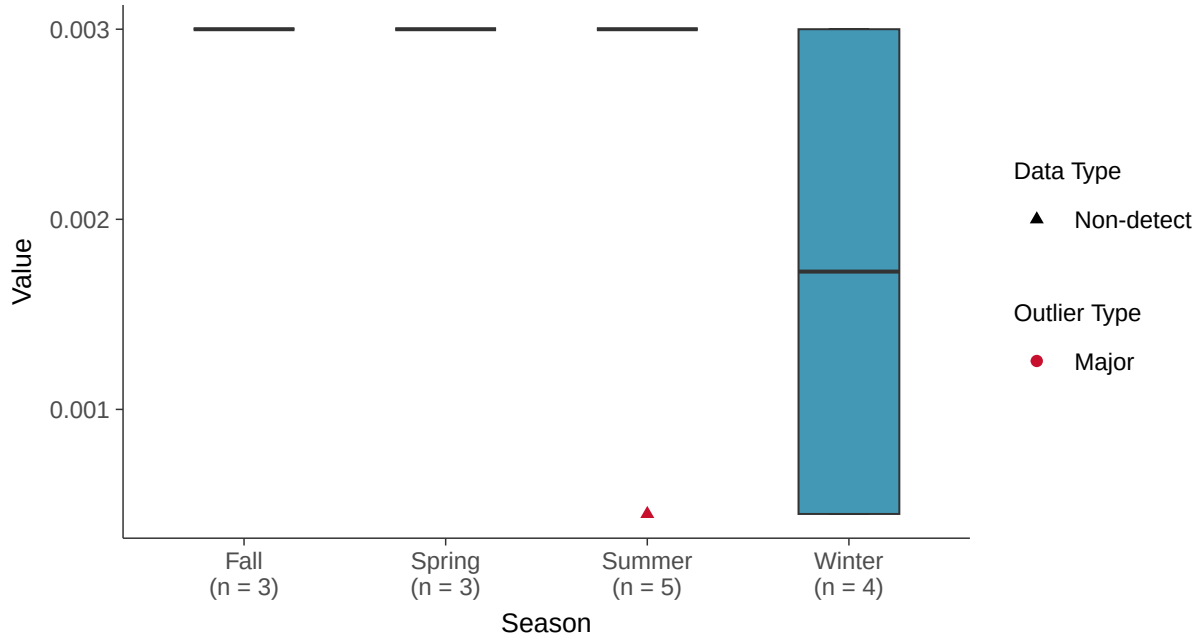
Boxplot

Lead, MW-7C (mg/l)



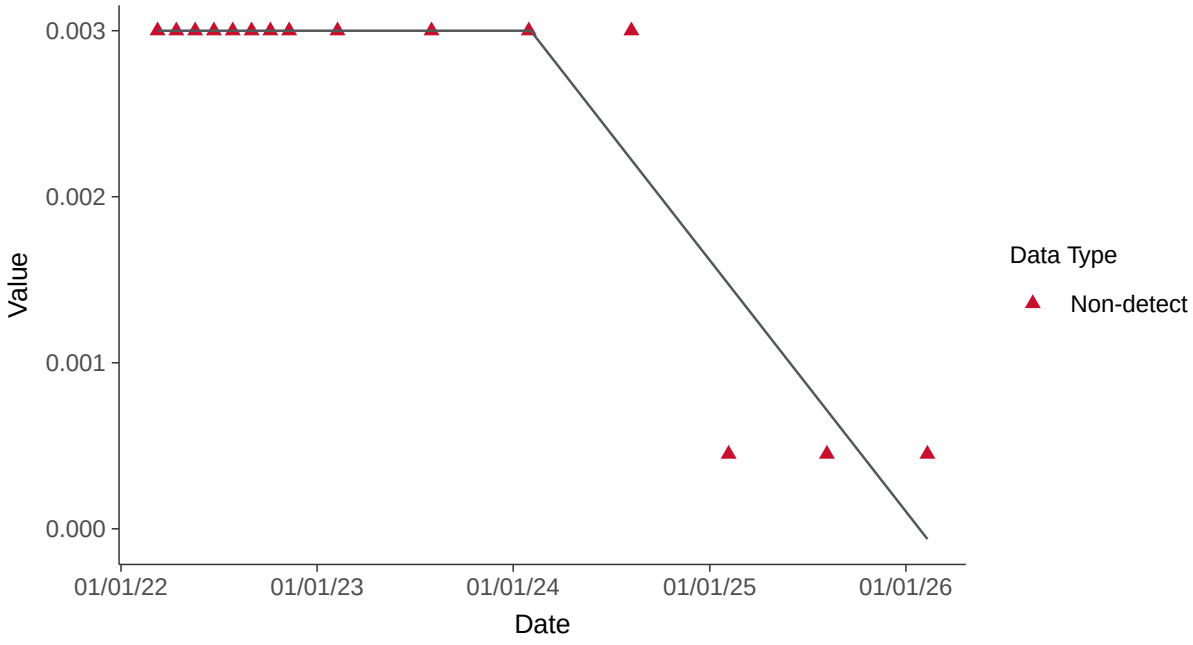
Boxplot by Season

Lead, MW-7C (mg/l)



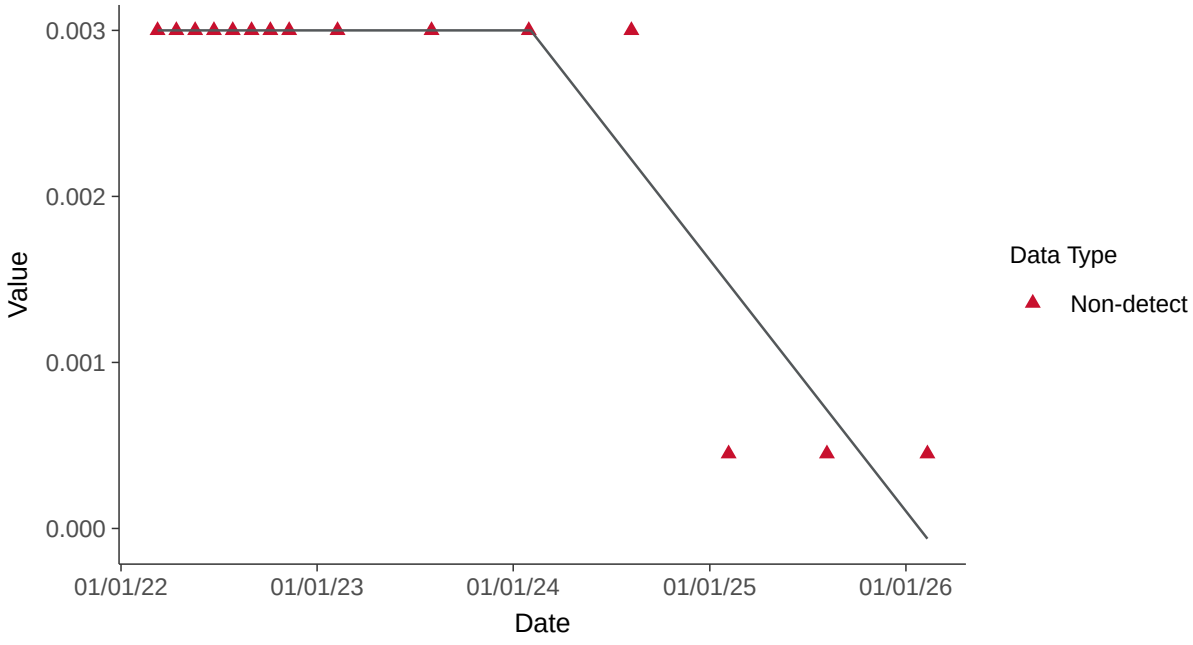
Trend Regression: Piecewise Linear-Linear

Lead, MW-7C (mg/l)



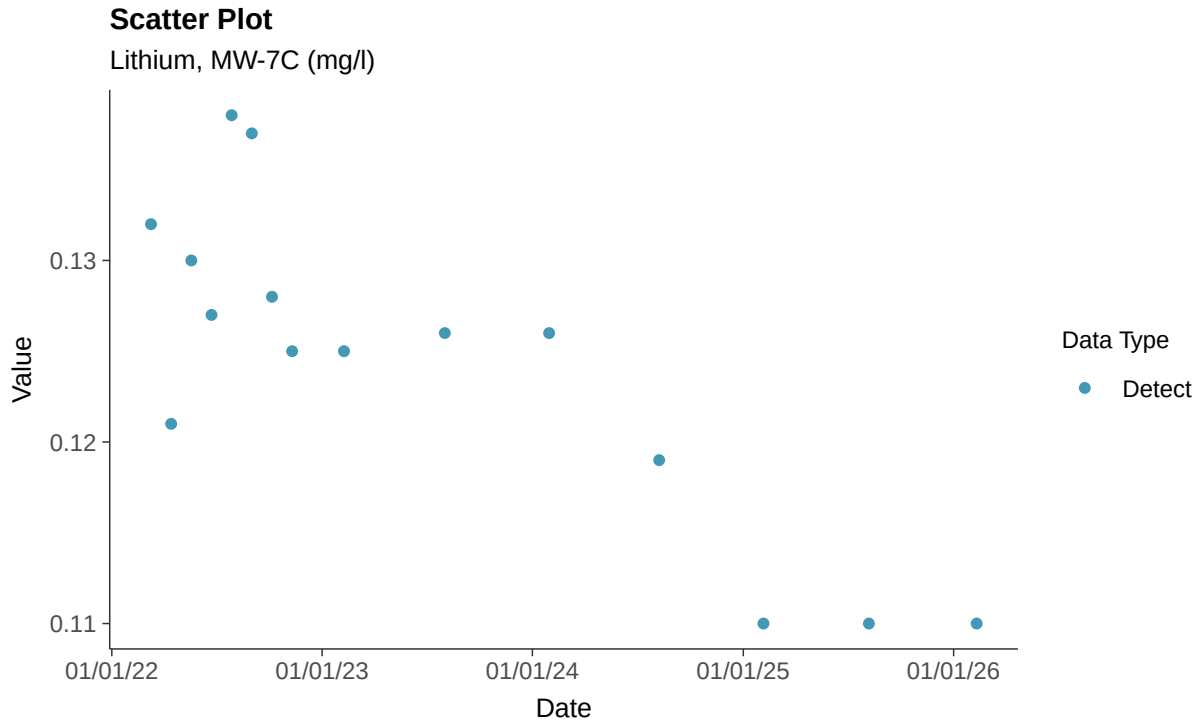
Trend Regression: Piecewise Linear-Linear-Linear

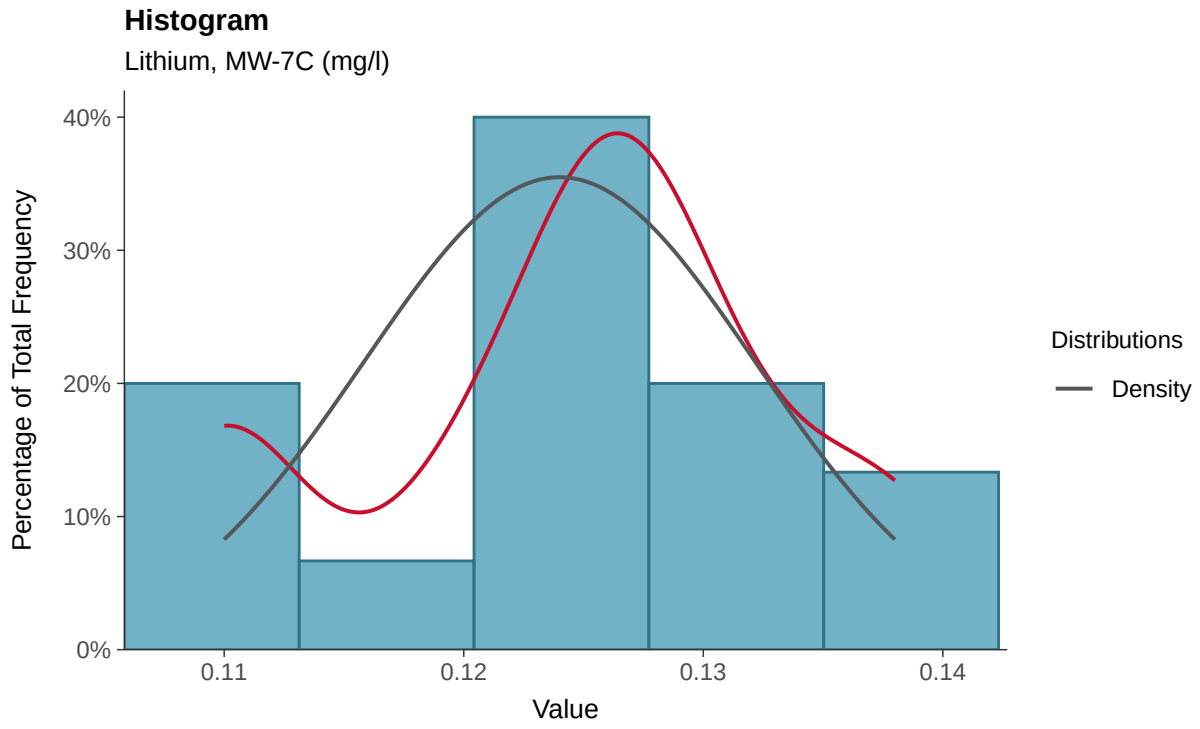
Lead, MW-7C (mg/l)



Appendix IV: Lithium, MW-7C

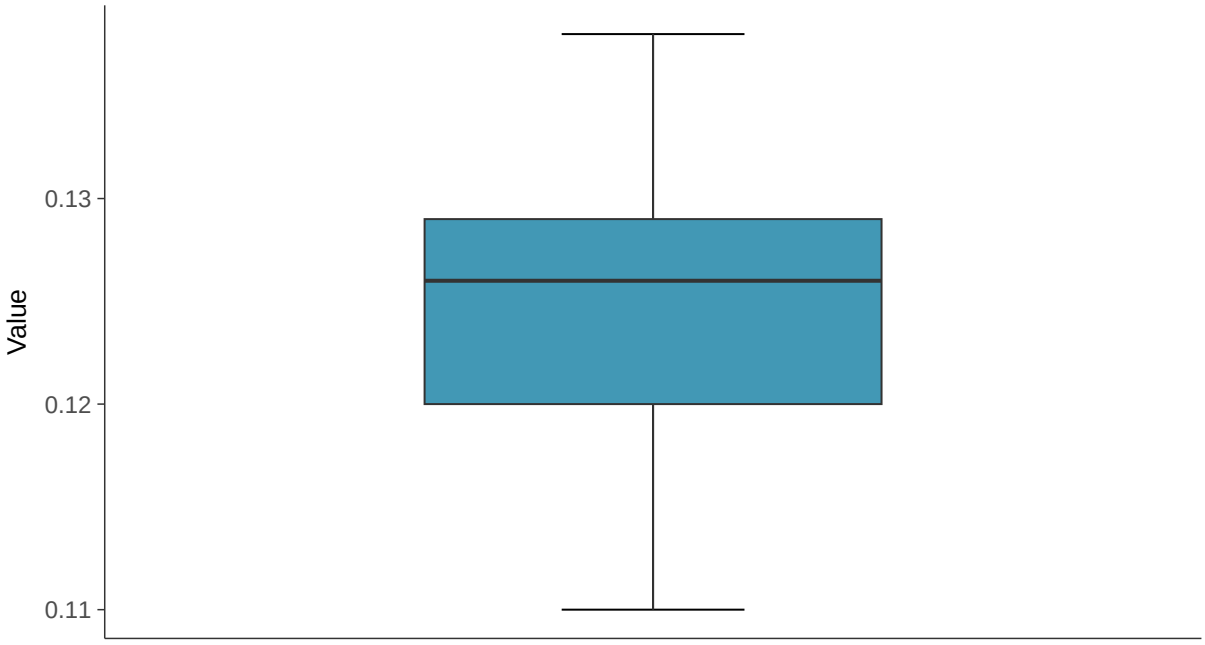
ID: 16_3_116





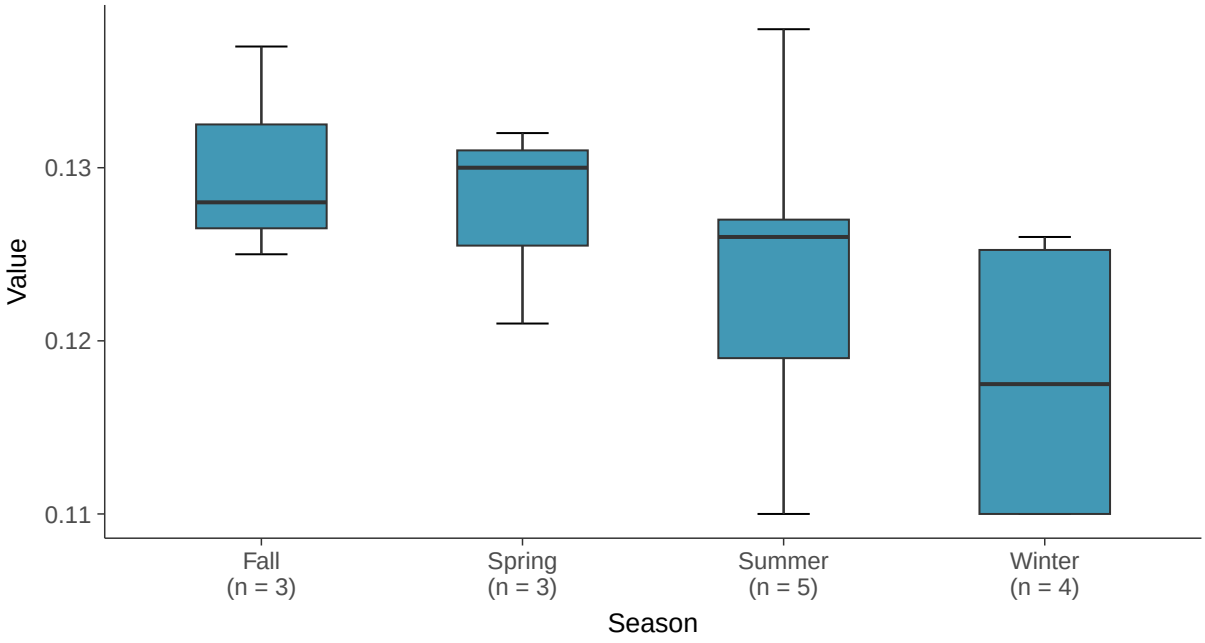
Boxplot

Lithium, MW-7C (mg/l)



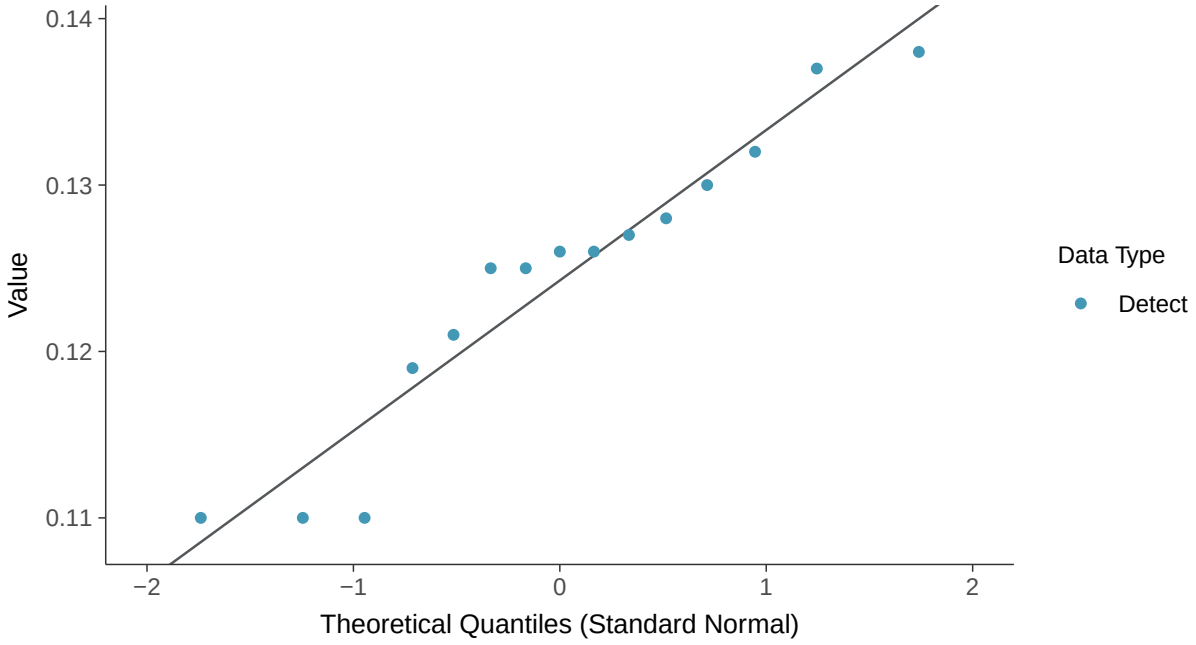
Boxplot by Season

Lithium, MW-7C (mg/l)



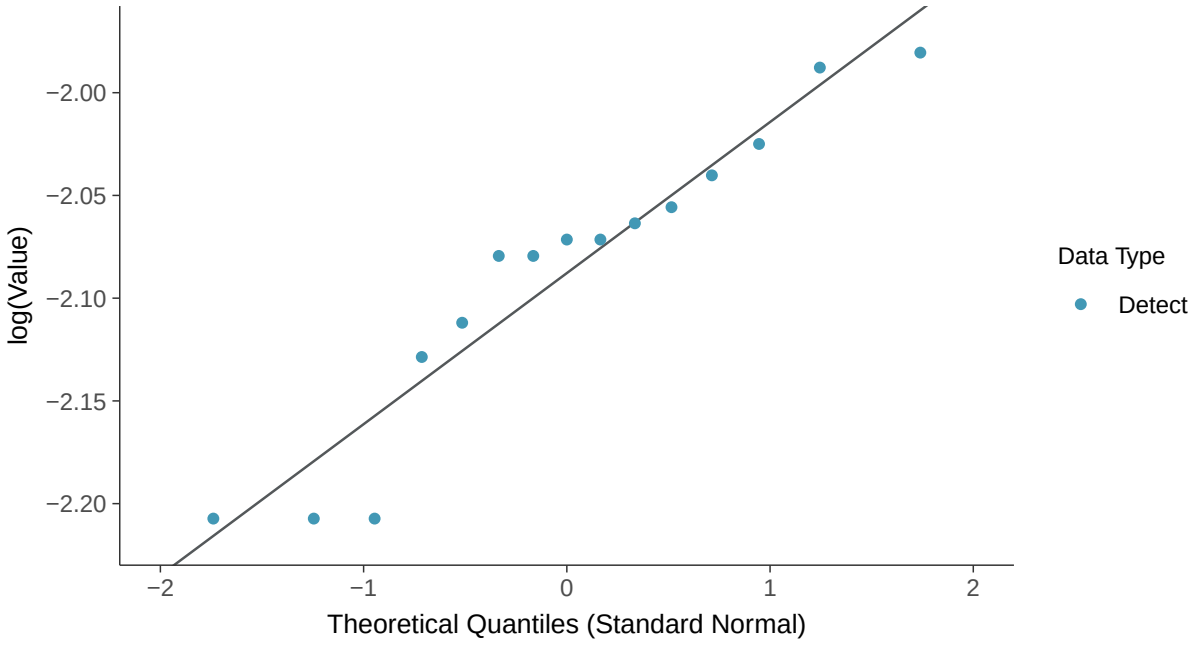
Normal Q-Q plot

Lithium, MW-7C (mg/l)



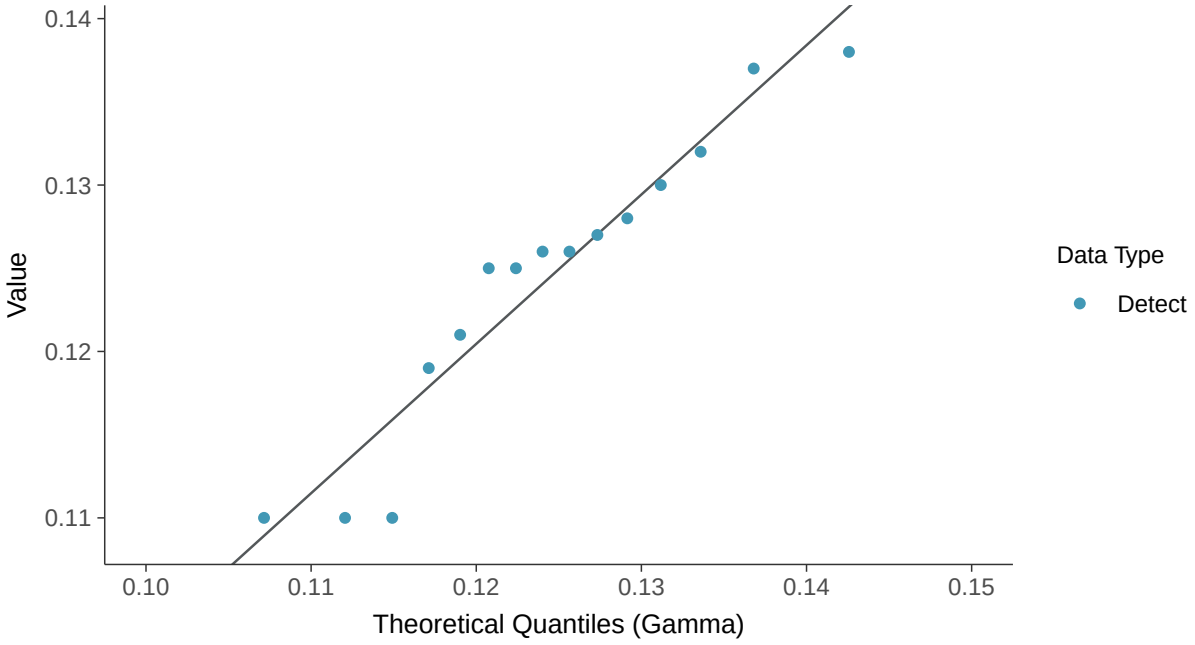
Lognormal Q-Q plot

Lithium, MW-7C (mg/l)



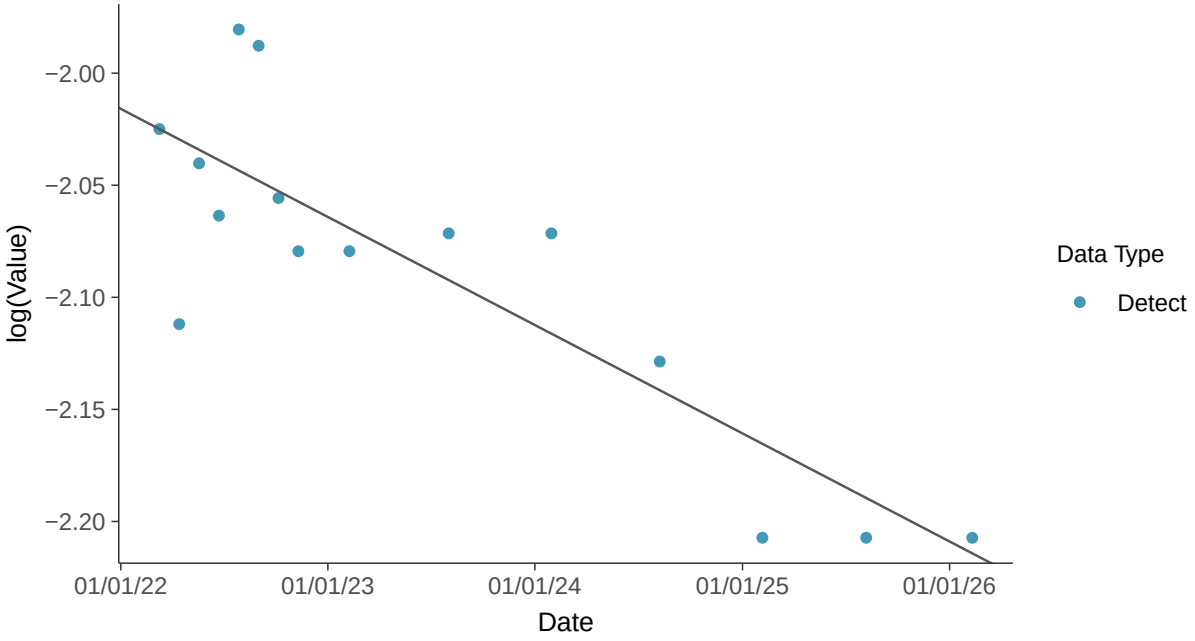
Gamma Q-Q plot

Lithium, MW-7C (mg/l)



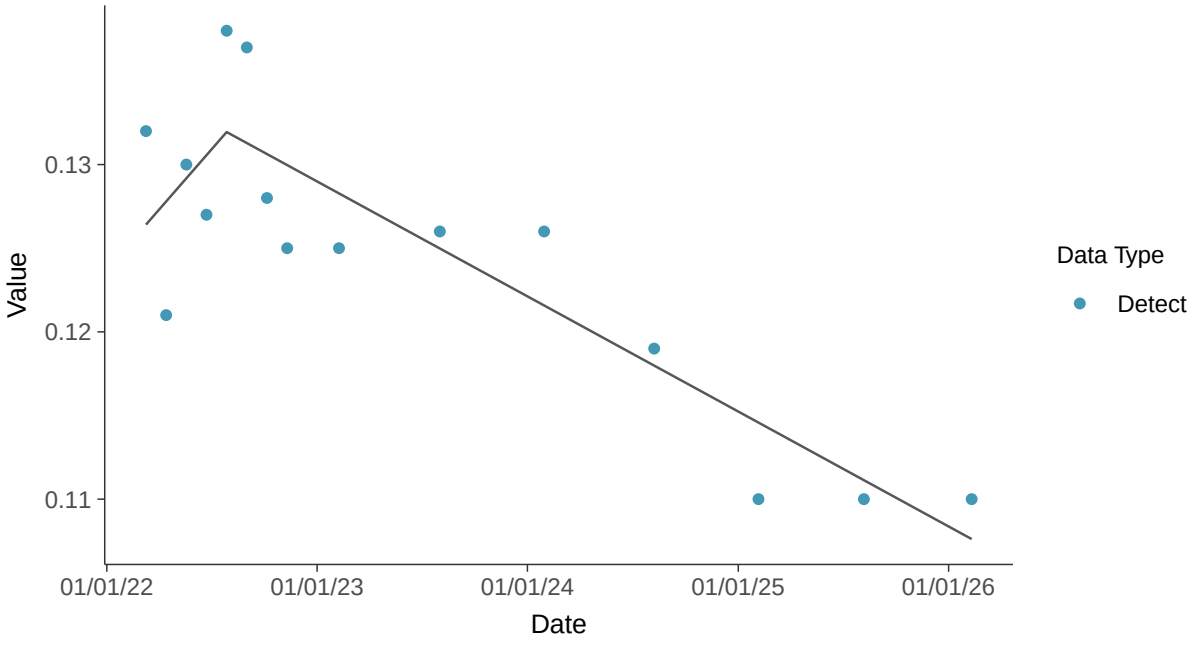
Trend Regression: Lognormal MLE

Lithium, MW-7C (mg/l)



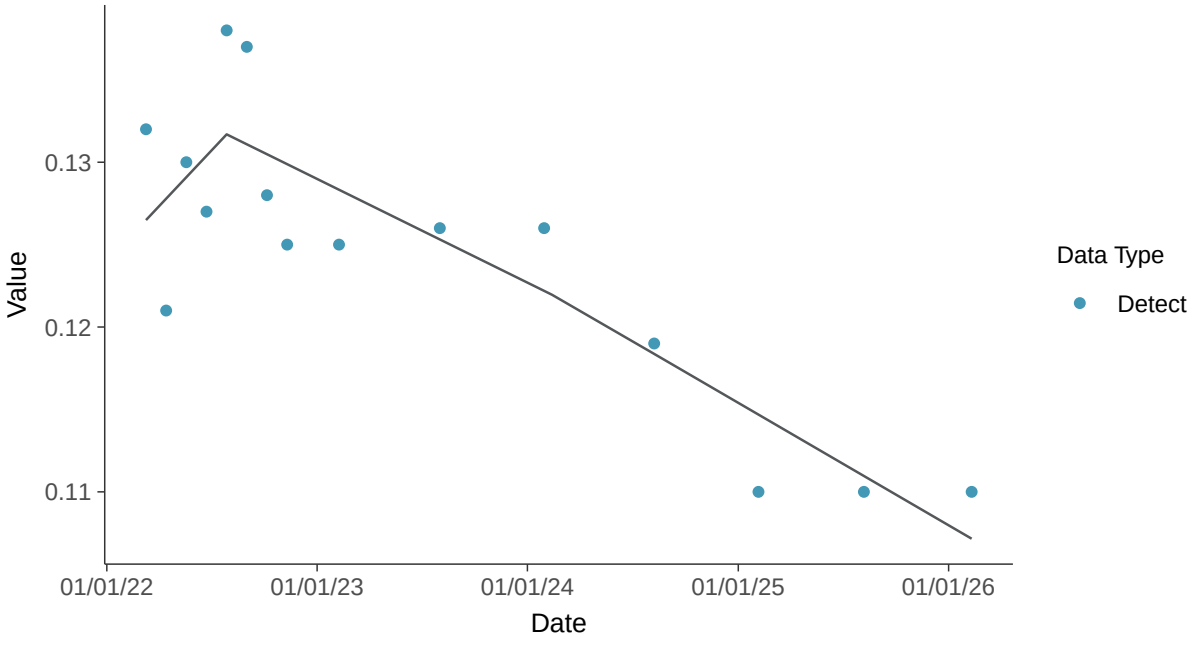
Trend Regression: Piecewise Linear-Linear

Lithium, MW-7C (mg/l)



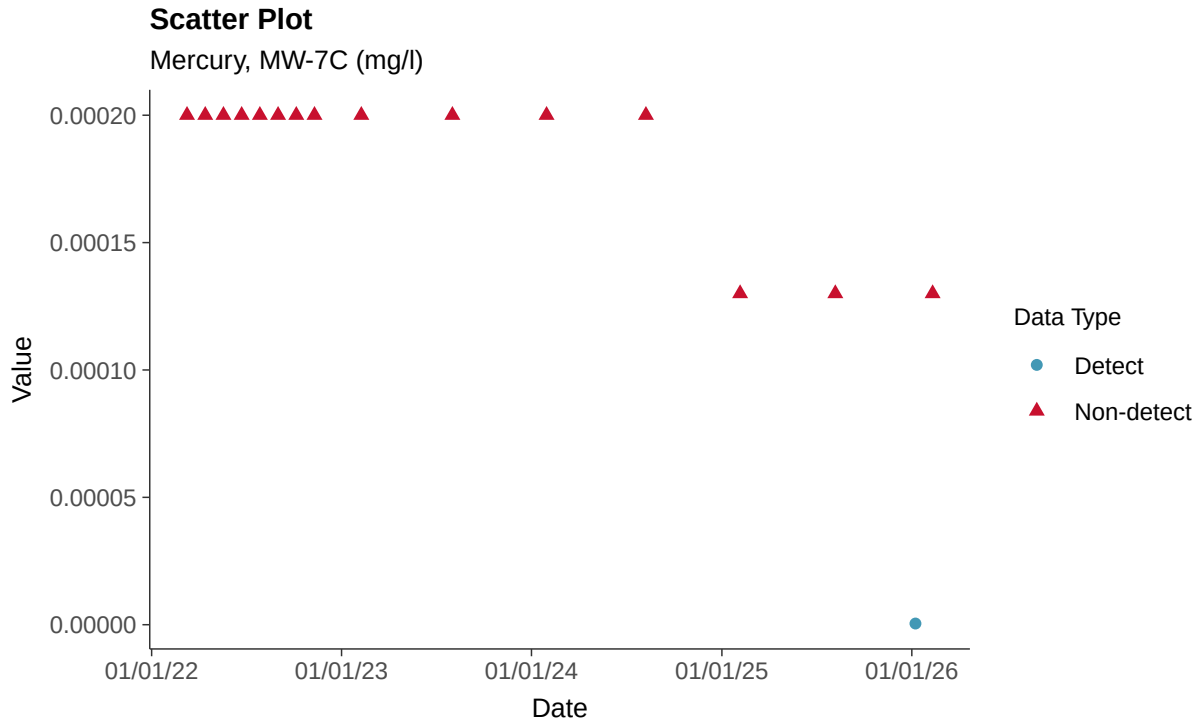
Trend Regression: Piecewise Linear-Linear-Linear

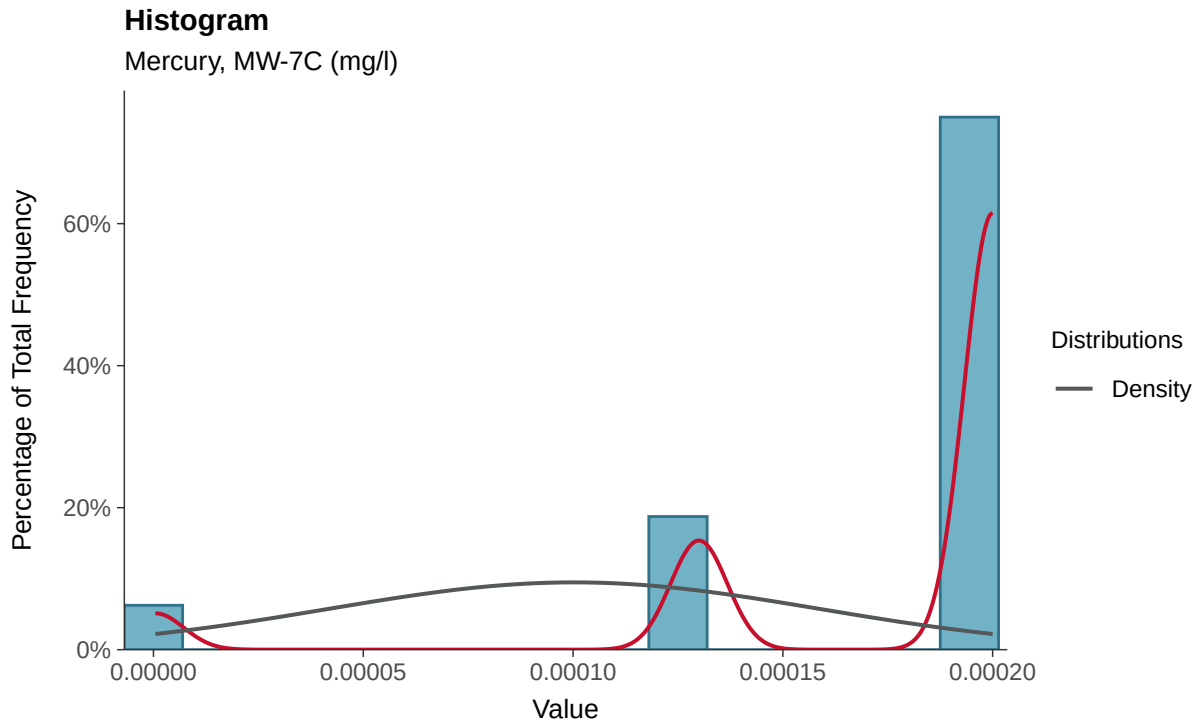
Lithium, MW-7C (mg/l)



Appendix IV: Mercury, MW-7C

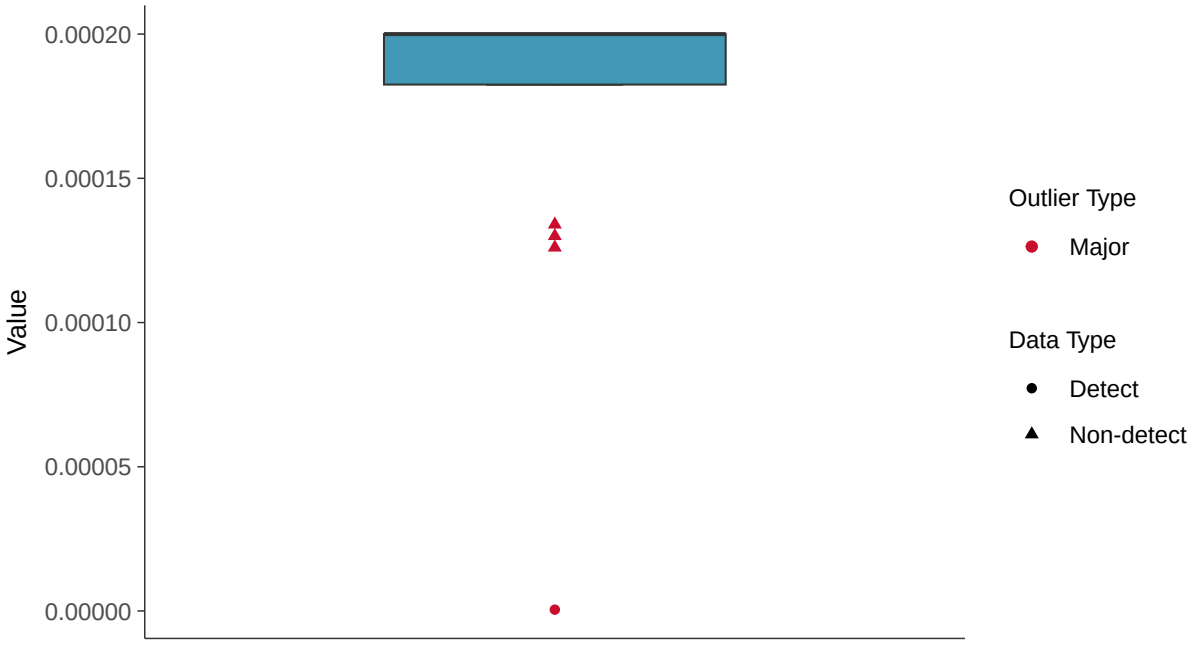
ID: 16_3_117





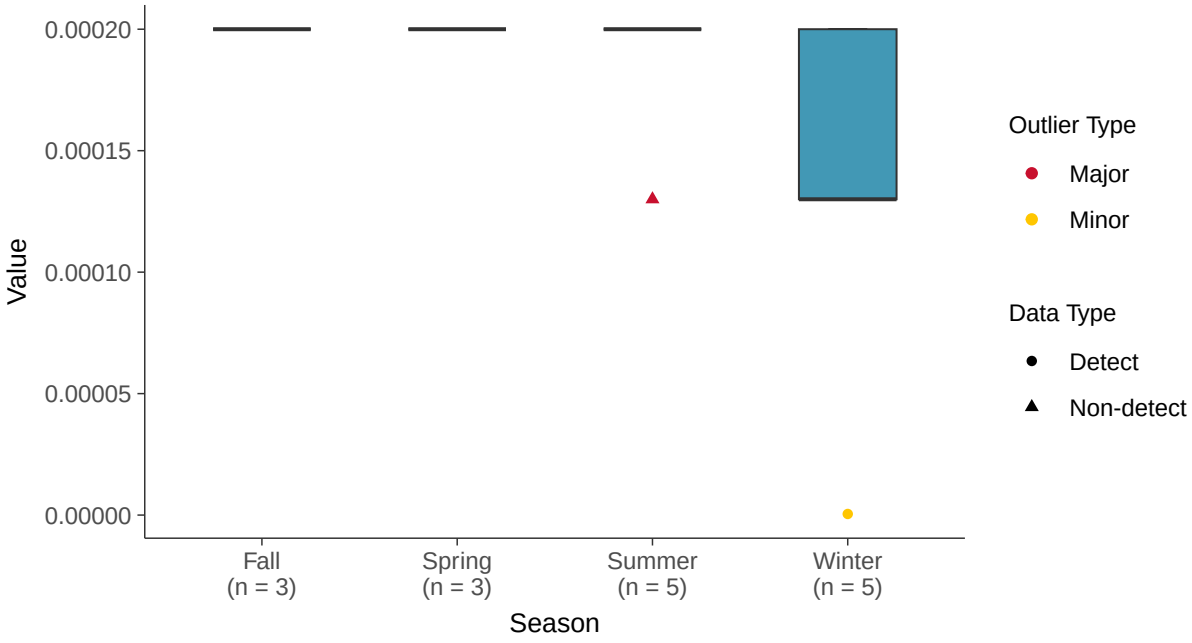
Boxplot

Mercury, MW-7C (mg/l)



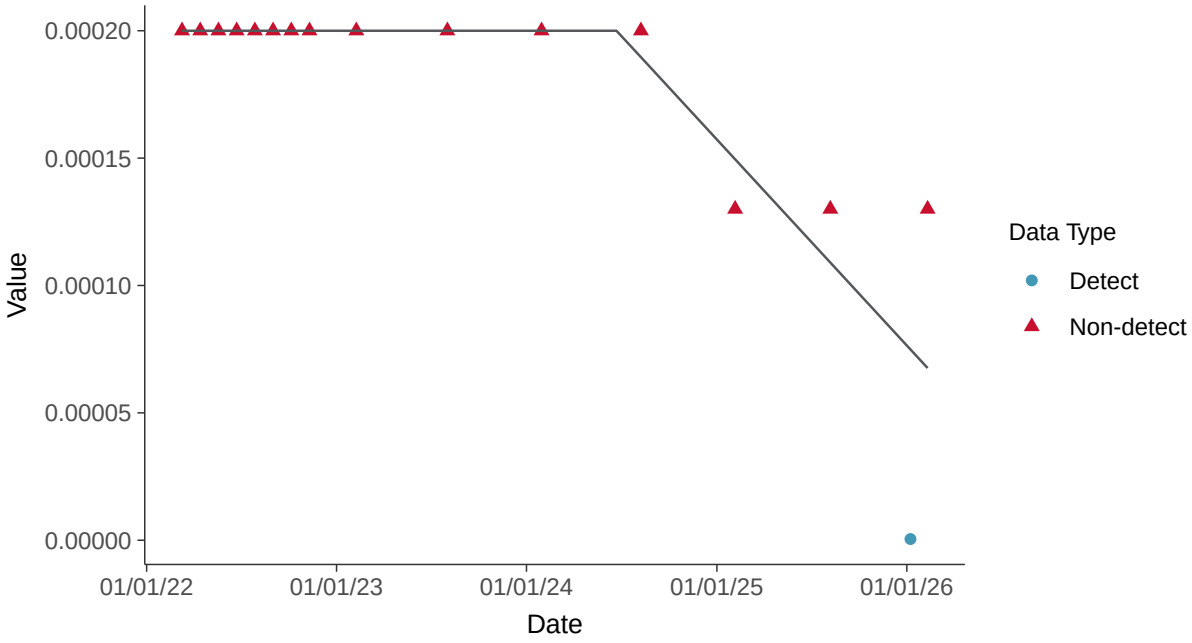
Boxplot by Season

Mercury, MW-7C (mg/l)



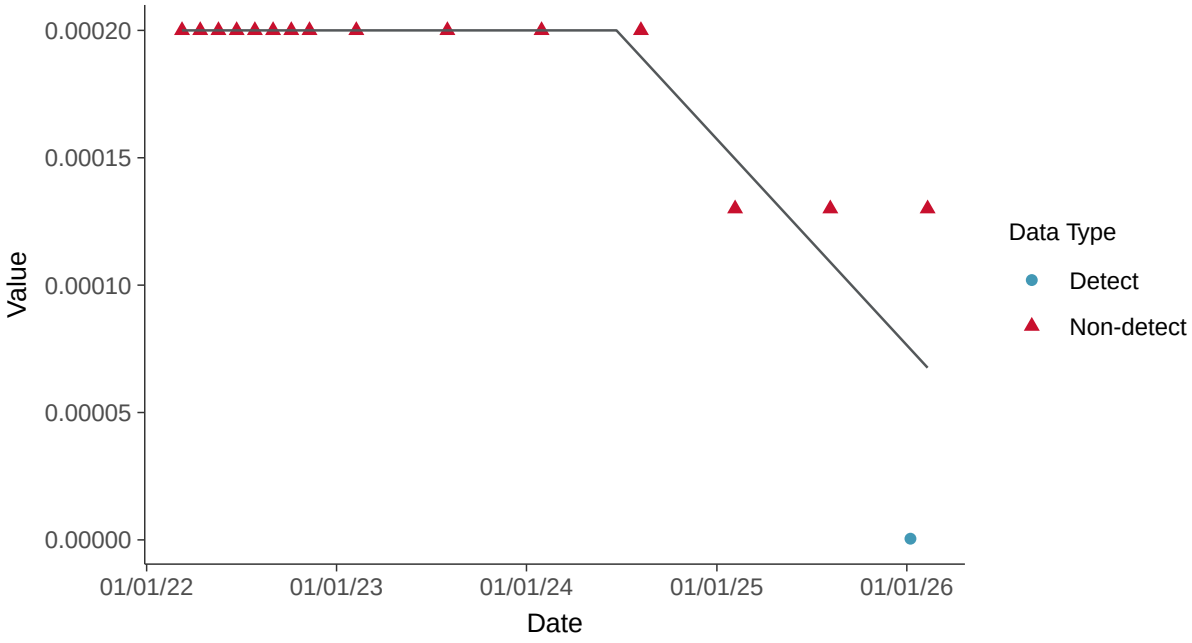
Trend Regression: Piecewise Linear-Linear

Mercury, MW-7C (mg/l)



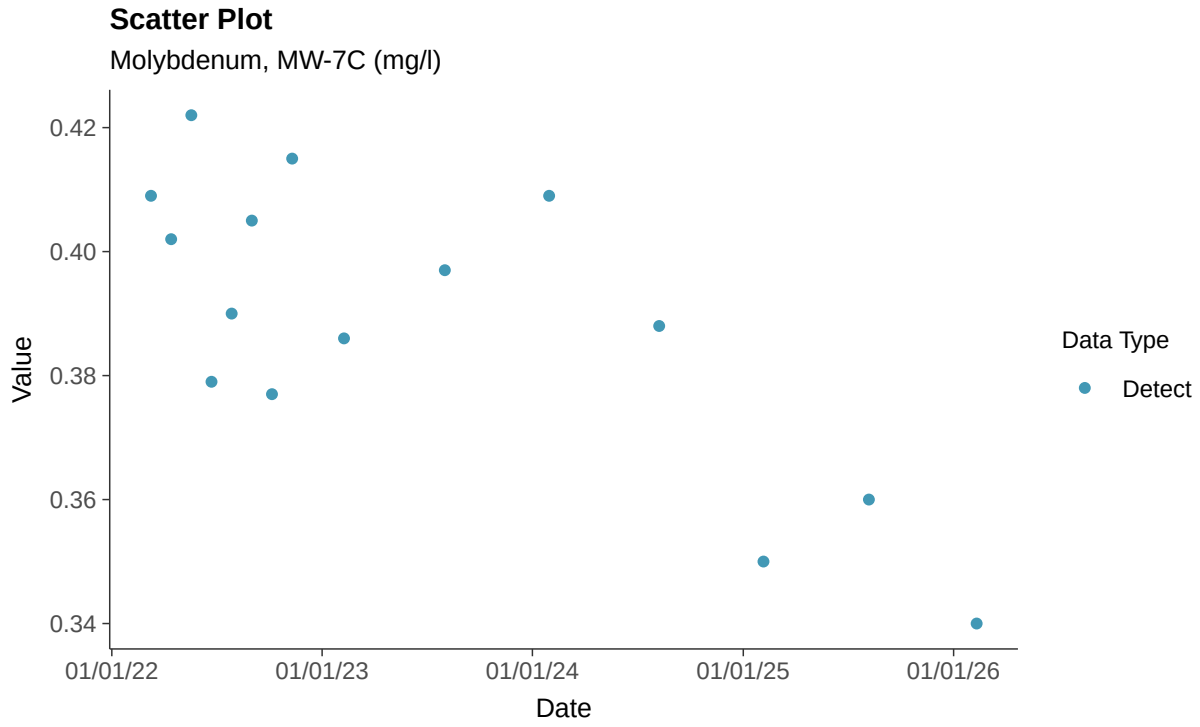
Trend Regression: Piecewise Linear-Linear-Linear

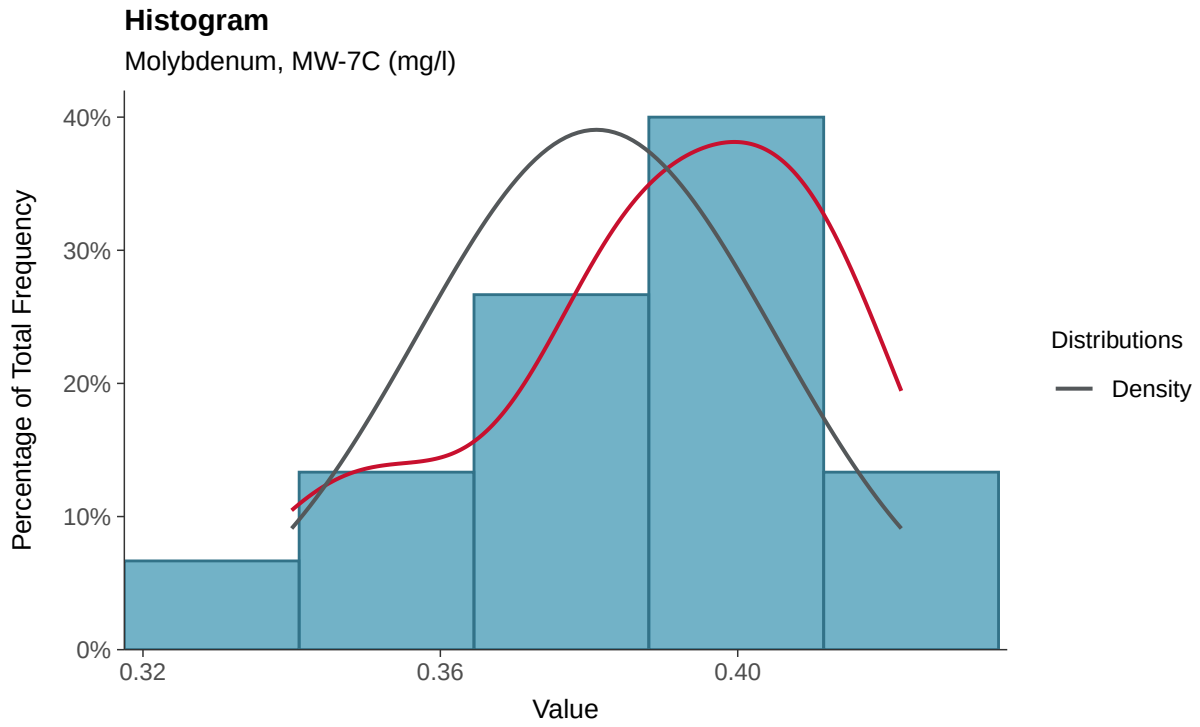
Mercury, MW-7C (mg/l)



Appendix IV: Molybdenum, MW-7C

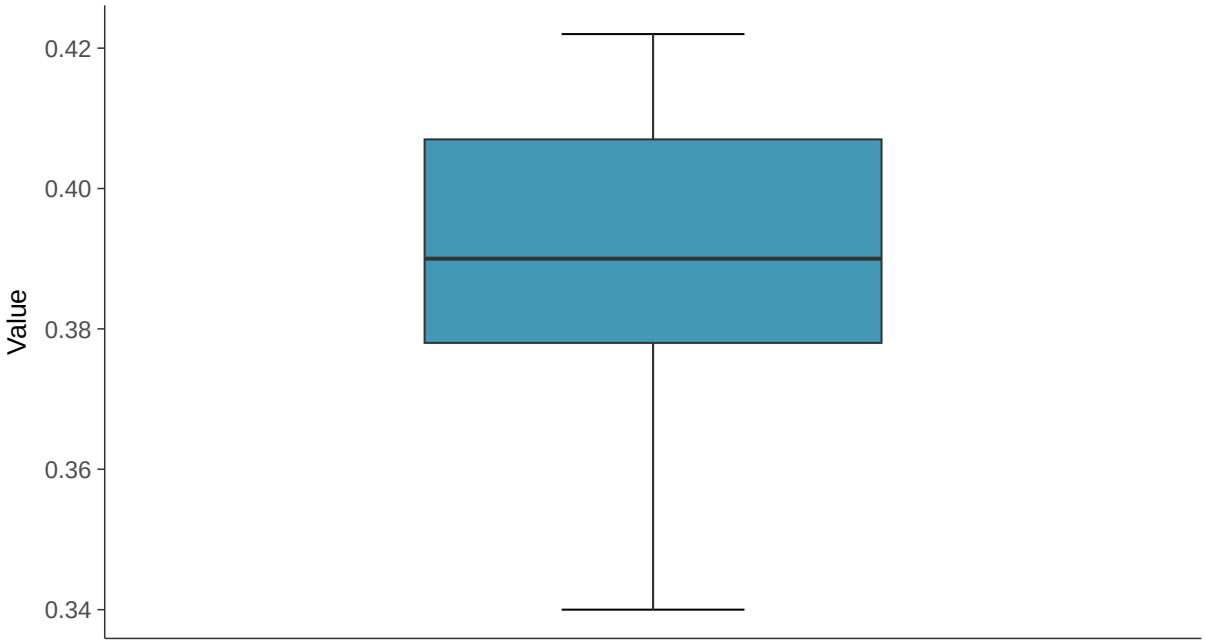
ID: 16_3_118





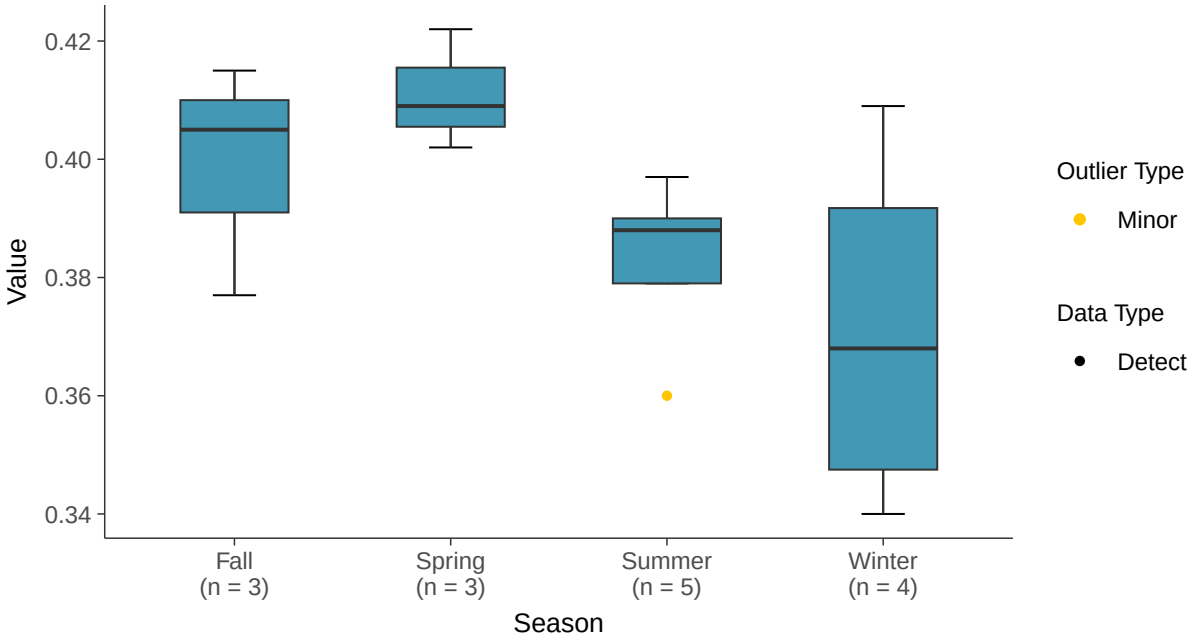
Boxplot

Molybdenum, MW-7C (mg/l)



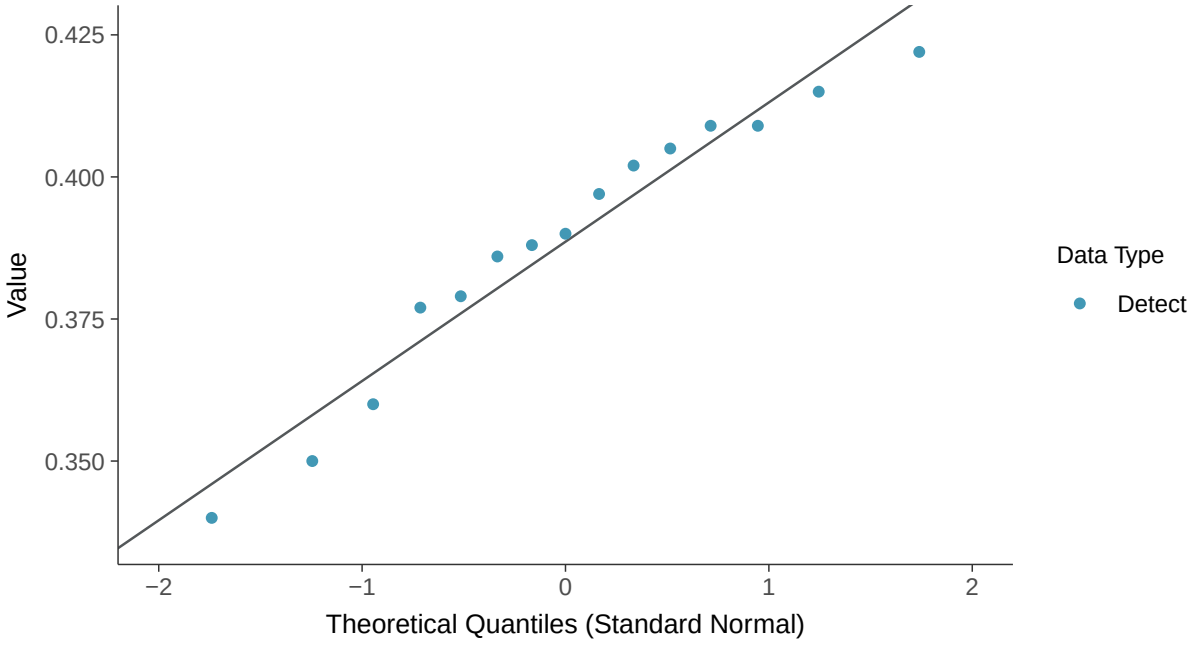
Boxplot by Season

Molybdenum, MW-7C (mg/l)



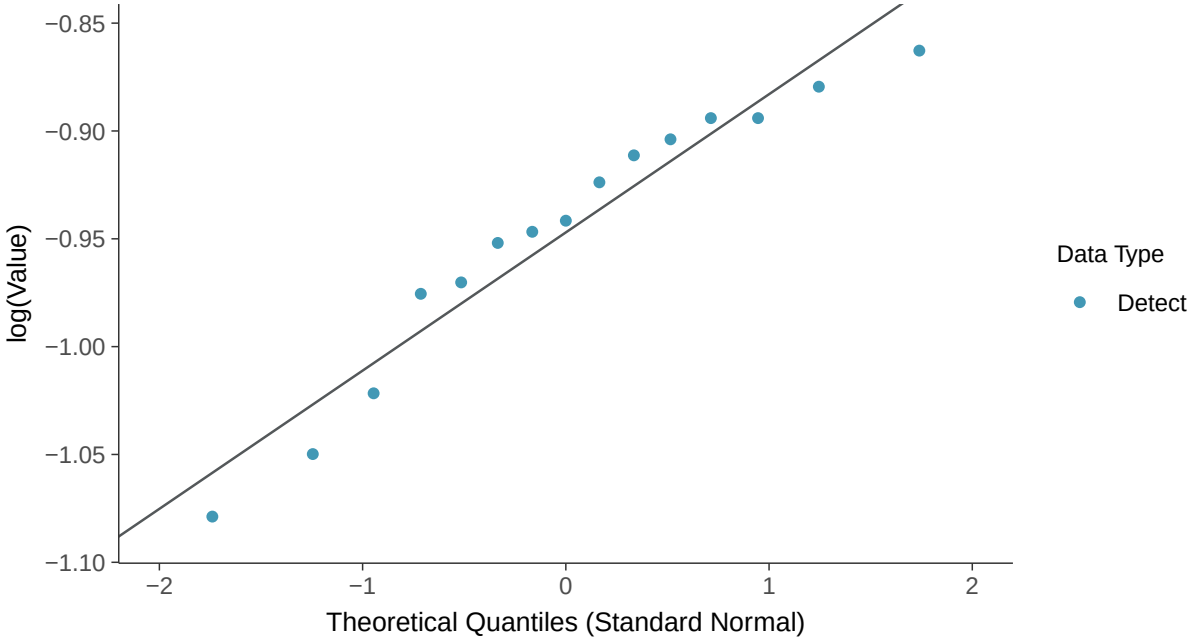
Normal Q-Q plot

Molybdenum, MW-7C (mg/l)



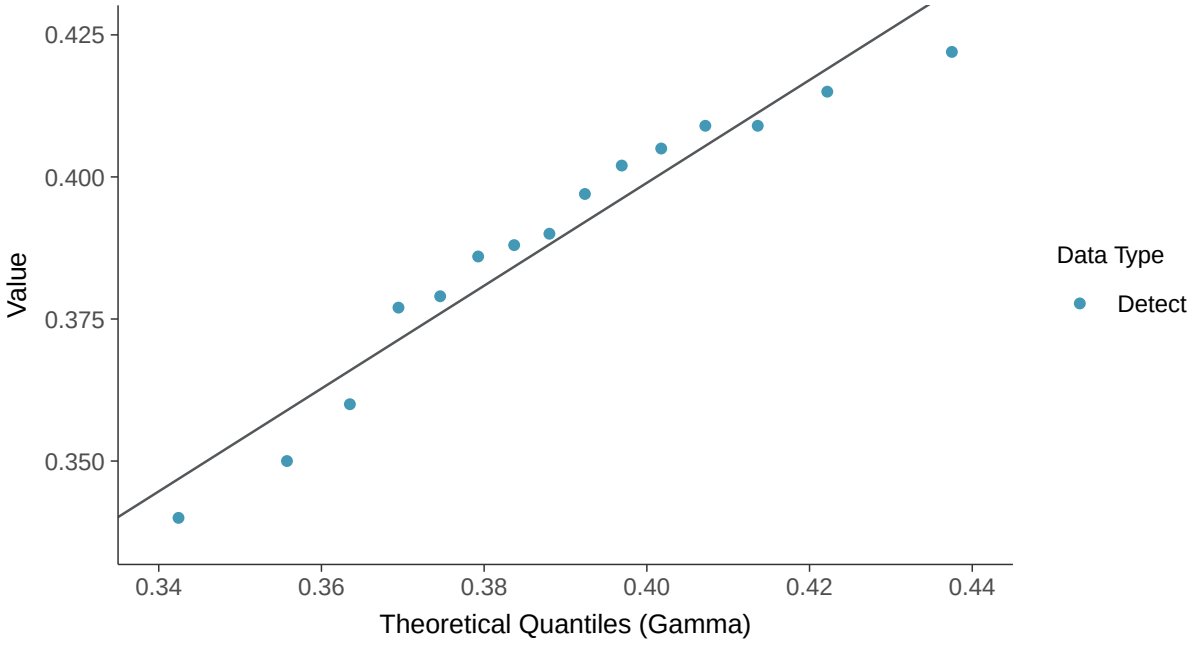
Lognormal Q-Q plot

Molybdenum, MW-7C (mg/l)



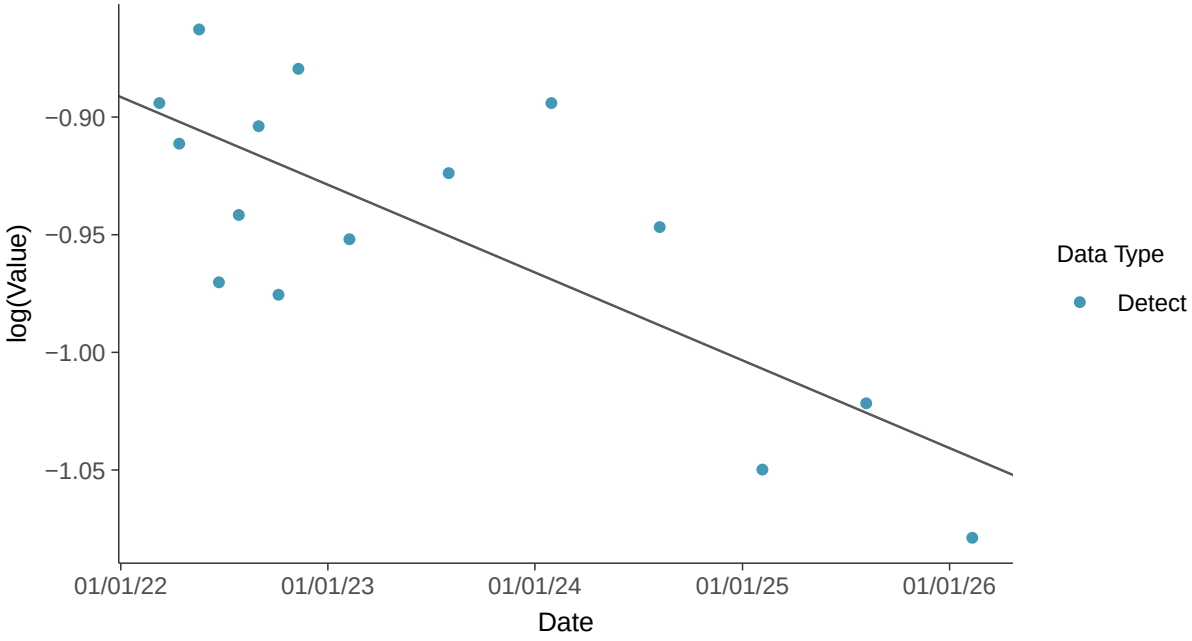
Gamma Q-Q plot

Molybdenum, MW-7C (mg/l)



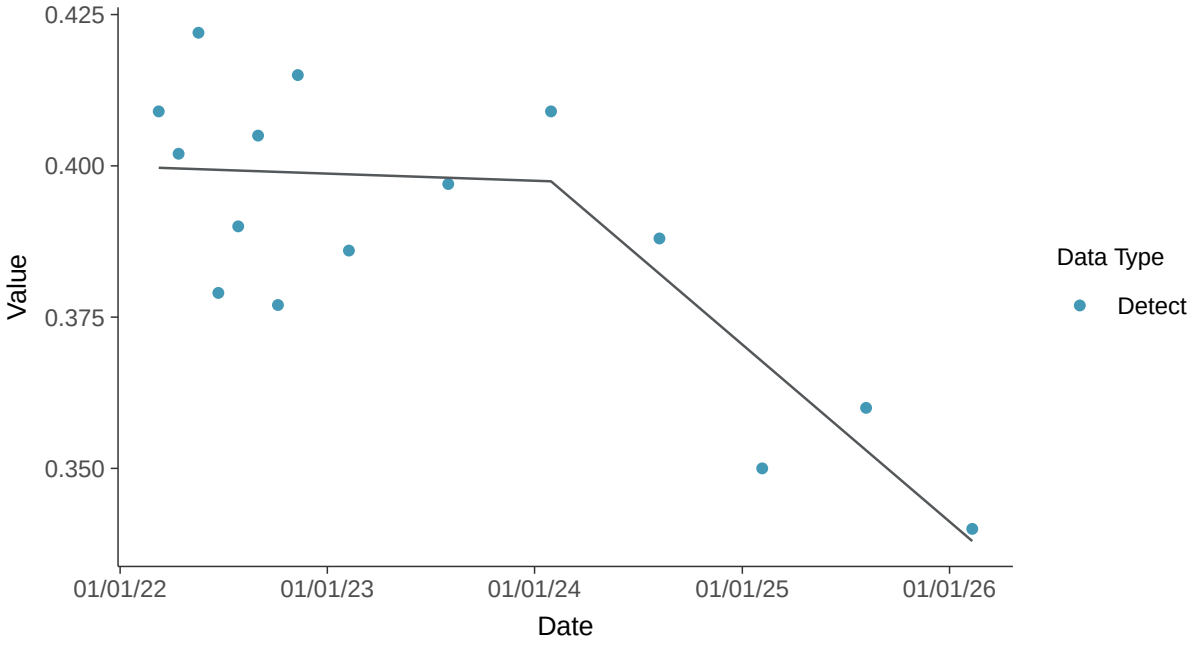
Trend Regression: Lognormal MLE

Molybdenum, MW-7C (mg/l)



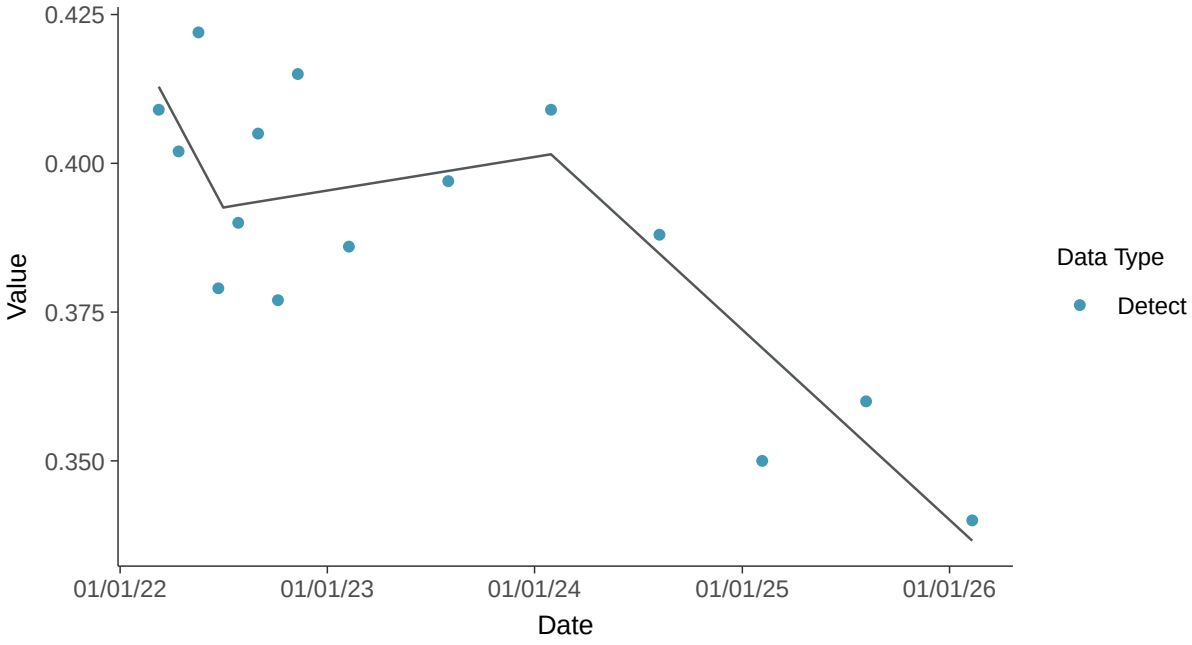
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-7C (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-7C (mg/l)

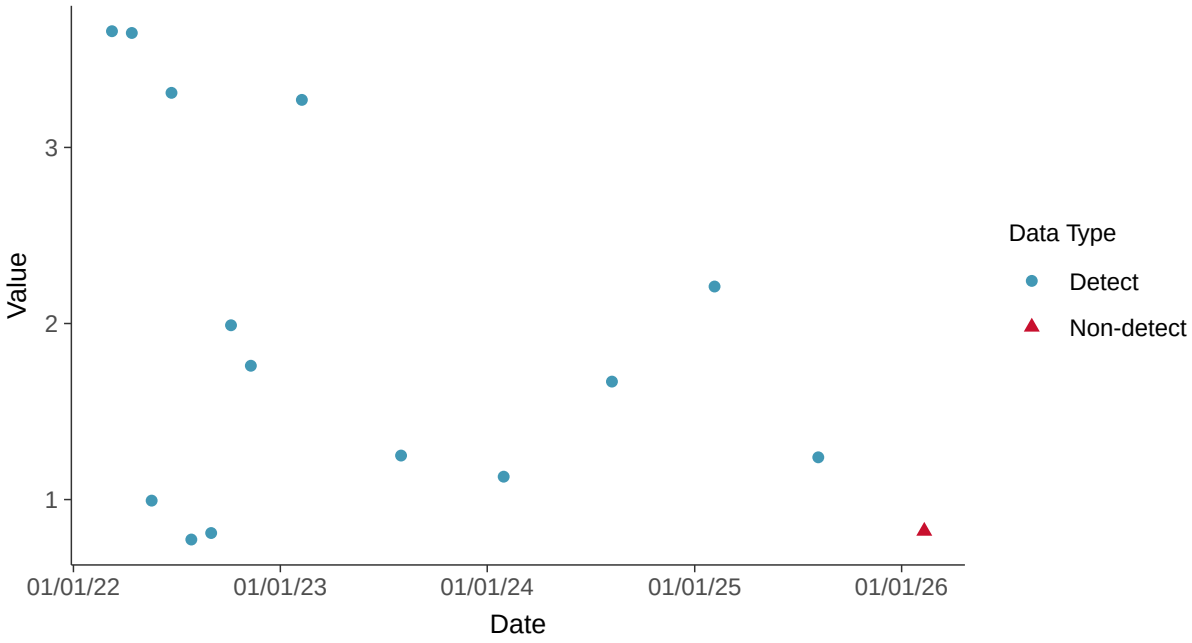


Appendix IV: Radium-226+228, MW-7C

ID: 16_3_121

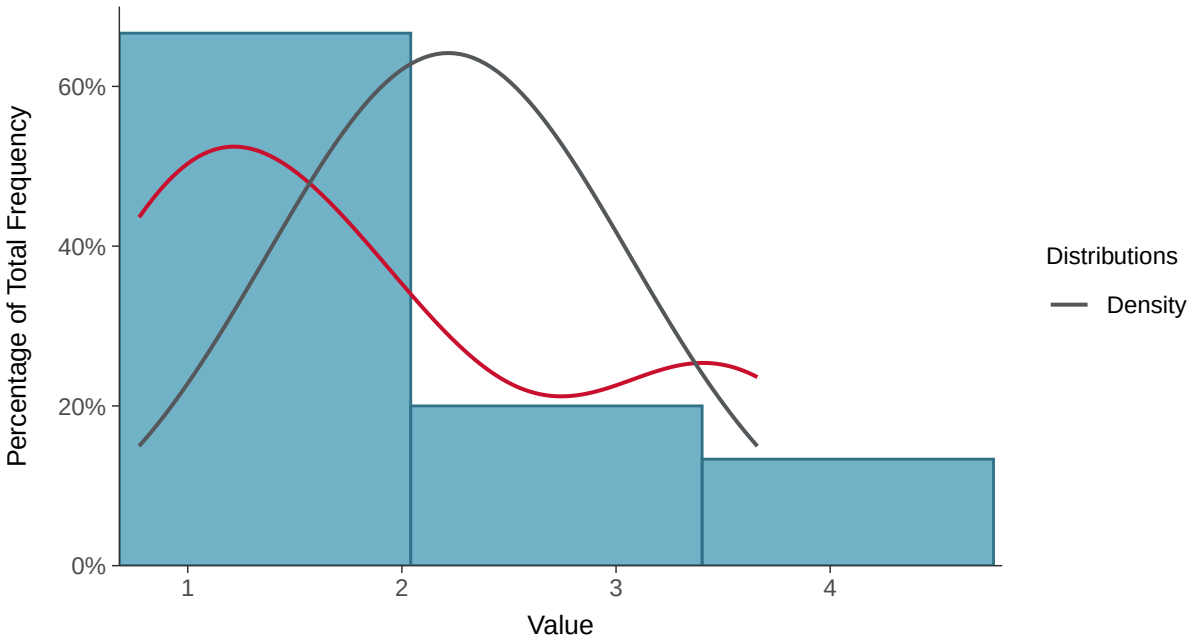
Scatter Plot

Radium-226+228, MW-7C (pci/l)



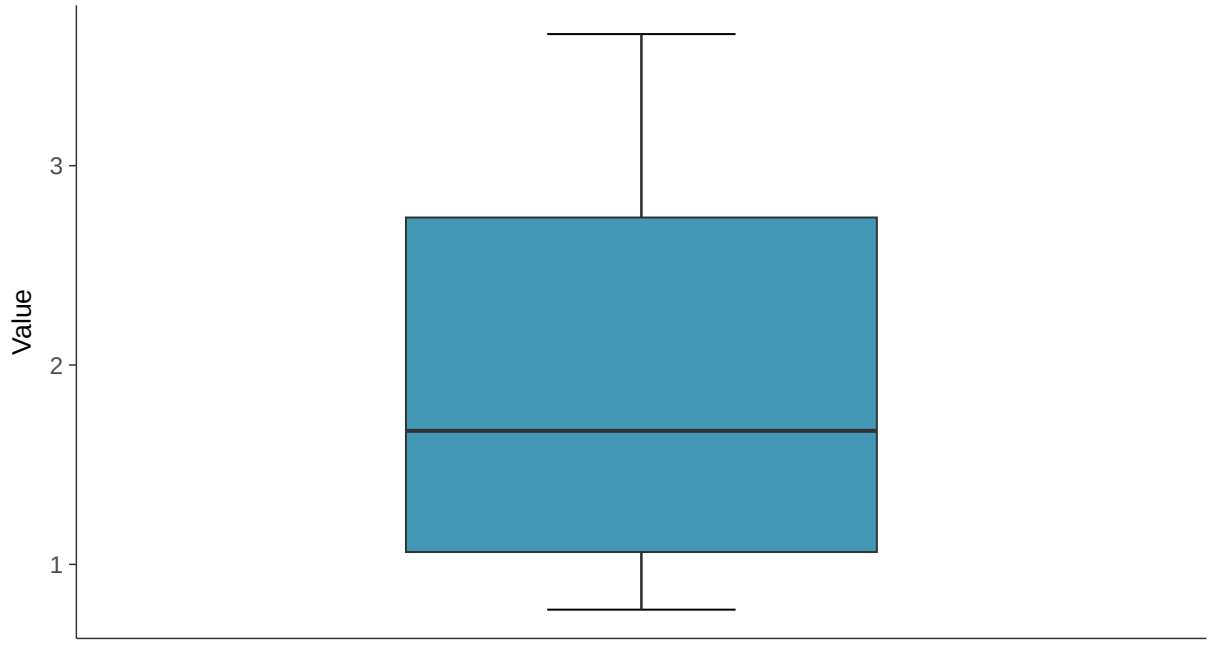
Histogram

Radium-226+228, MW-7C (pci/l)



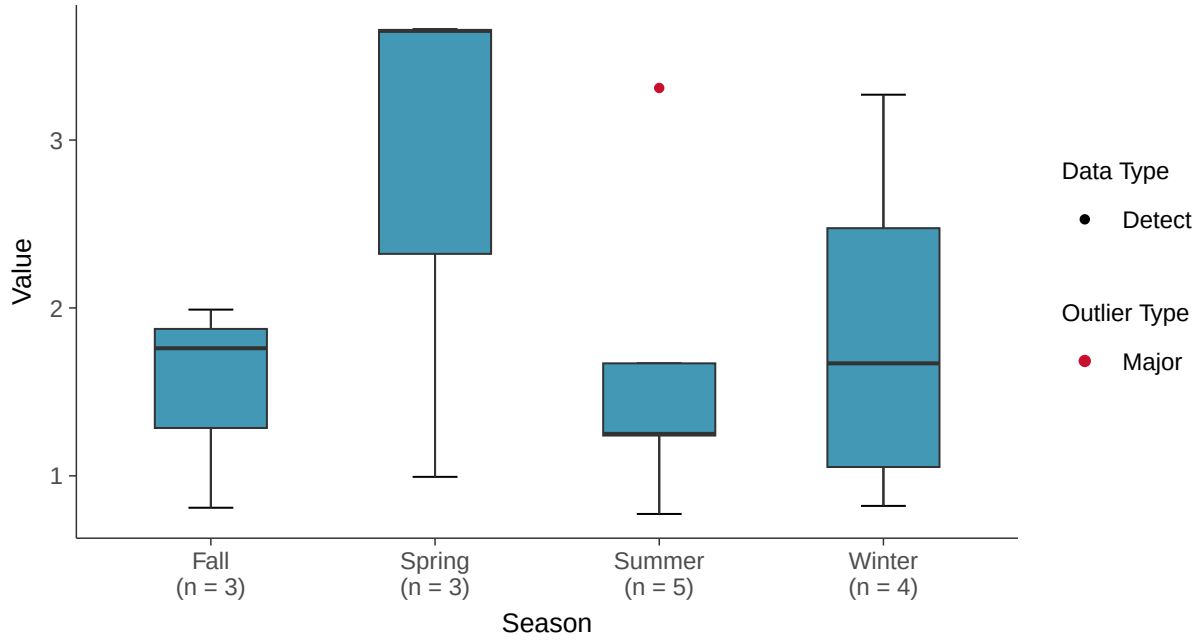
Boxplot

Radium-226+228, MW-7C (pci/l)



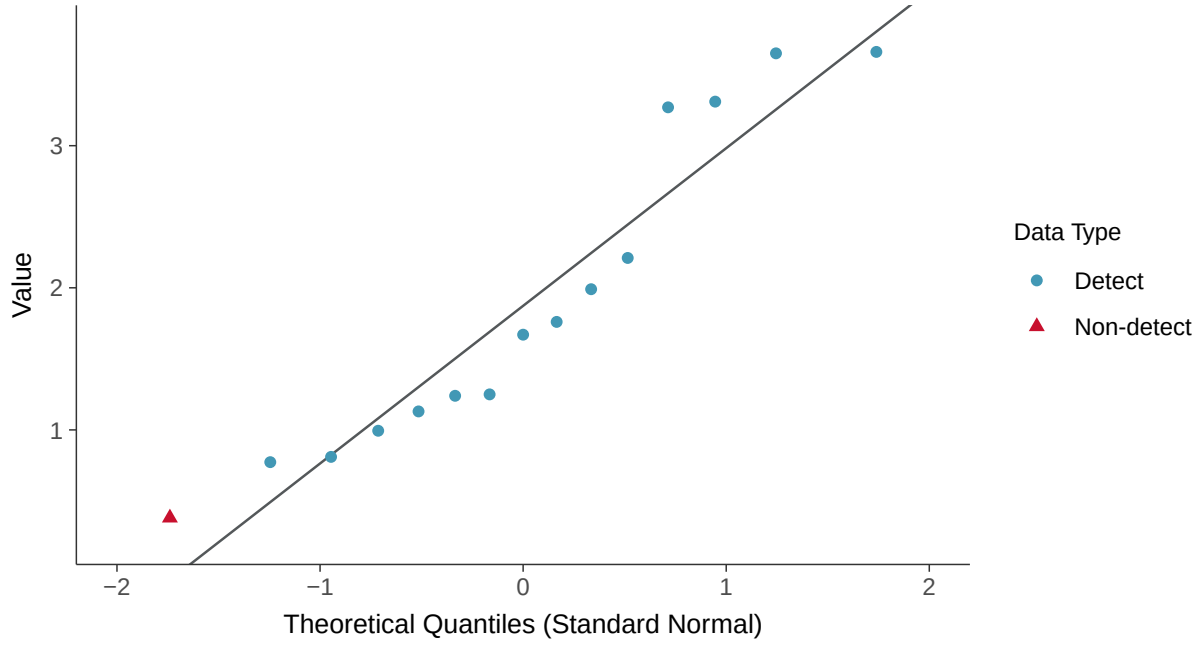
Boxplot by Season

Radium-226+228, MW-7C (pci/l)



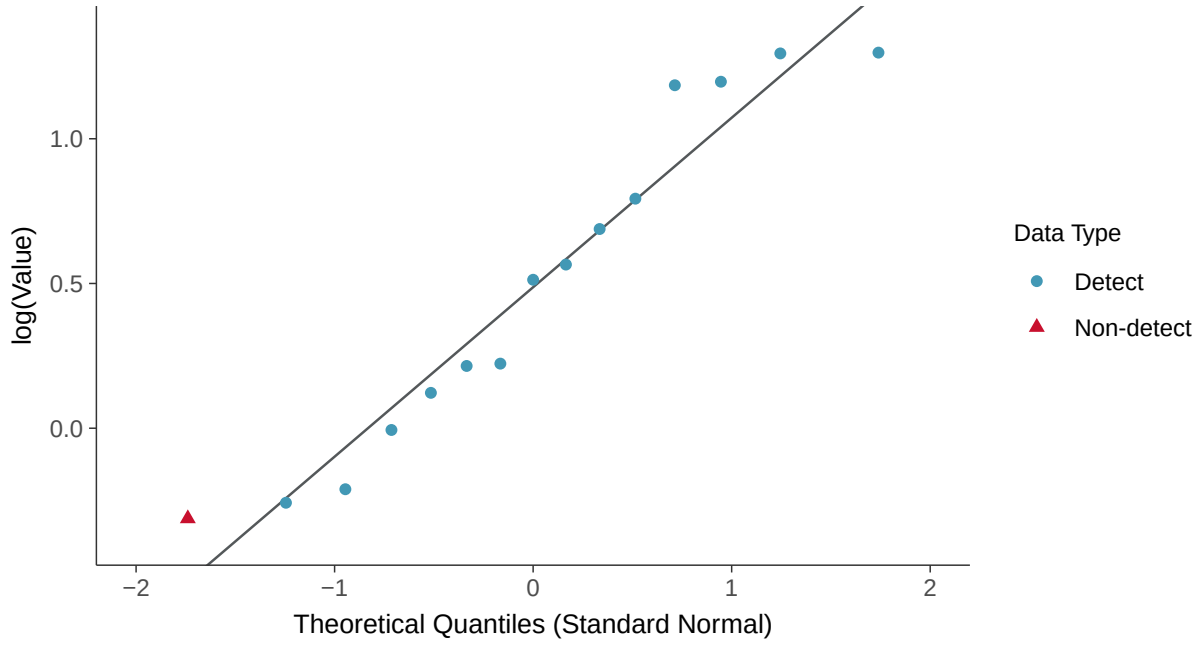
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-7C (pci/l)



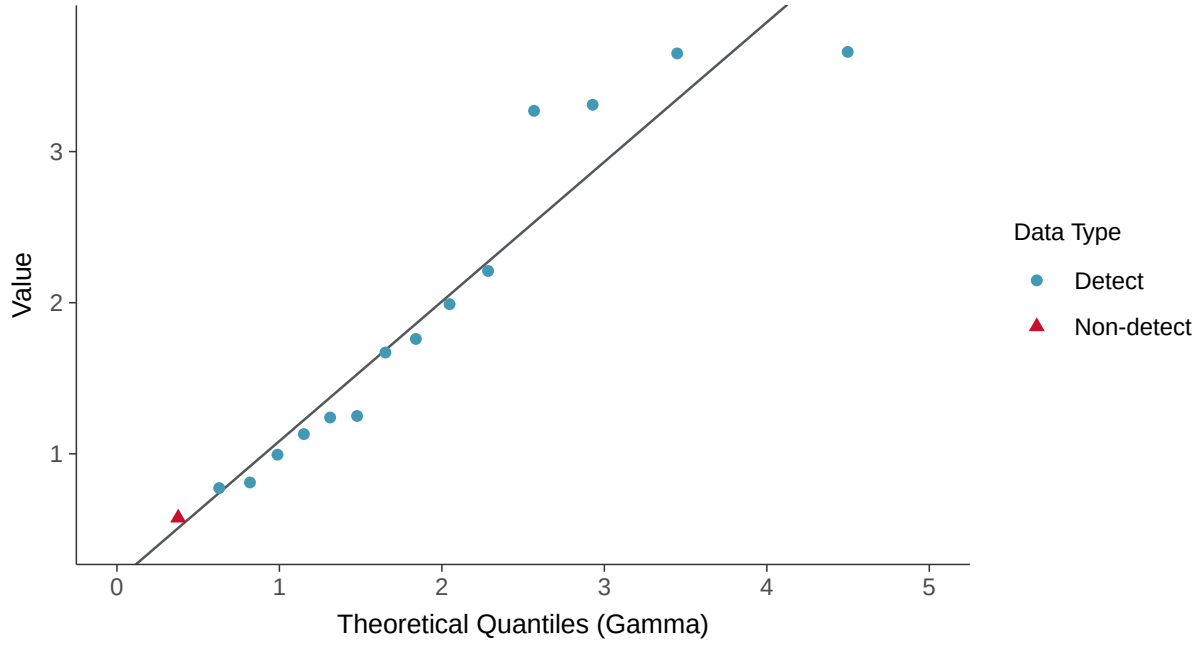
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-7C (pci/l)



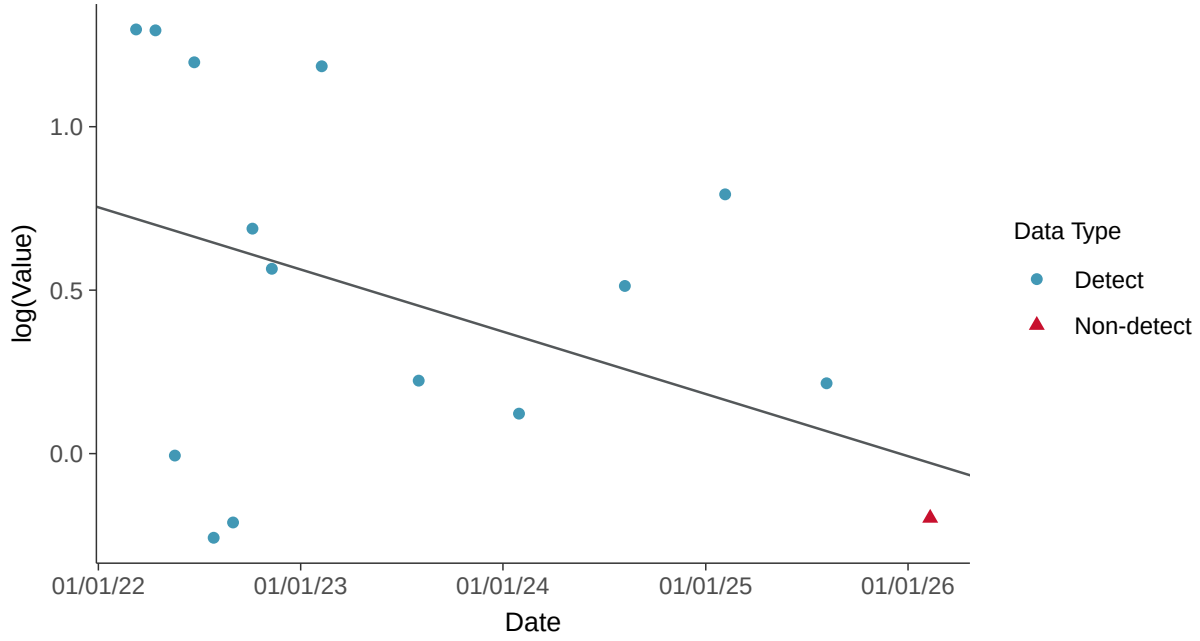
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-7C (pci/l)



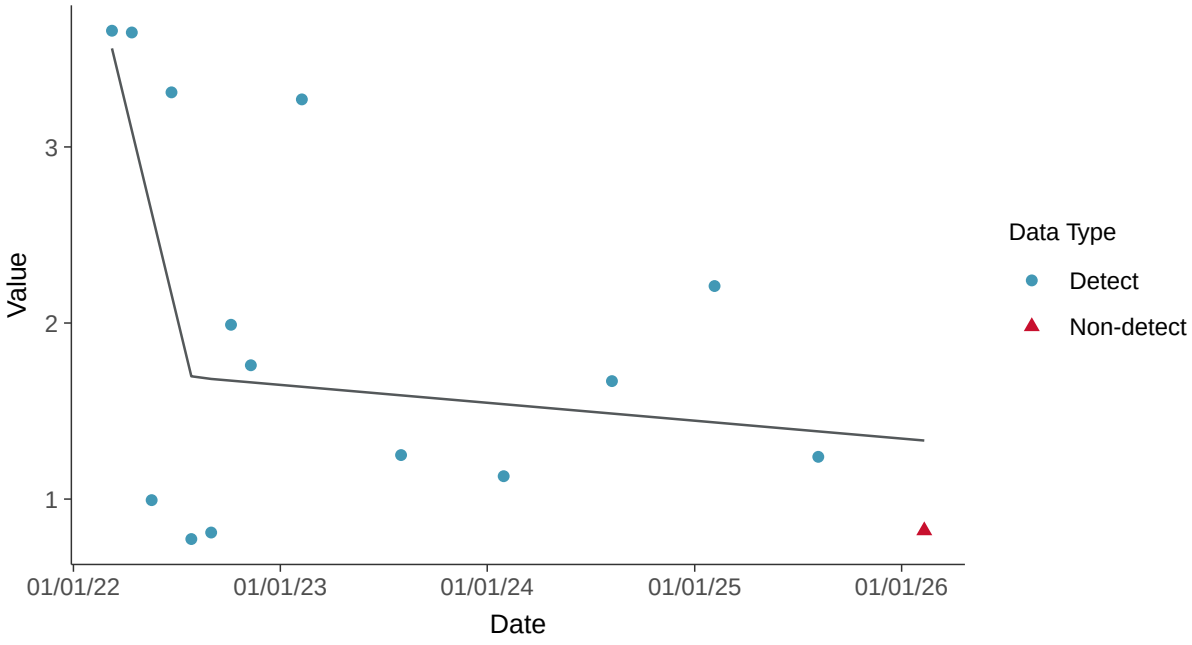
Trend Regression: Lognormal MLE

Radium-226+228, MW-7C (pci/l)



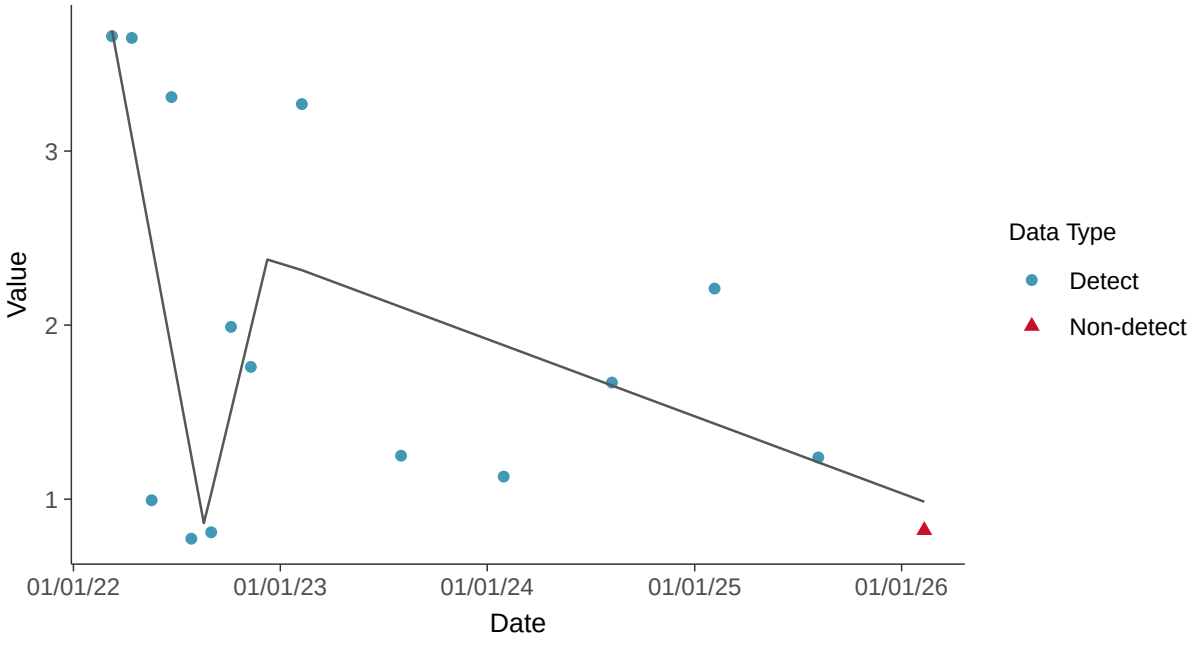
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-7C (pci/l)



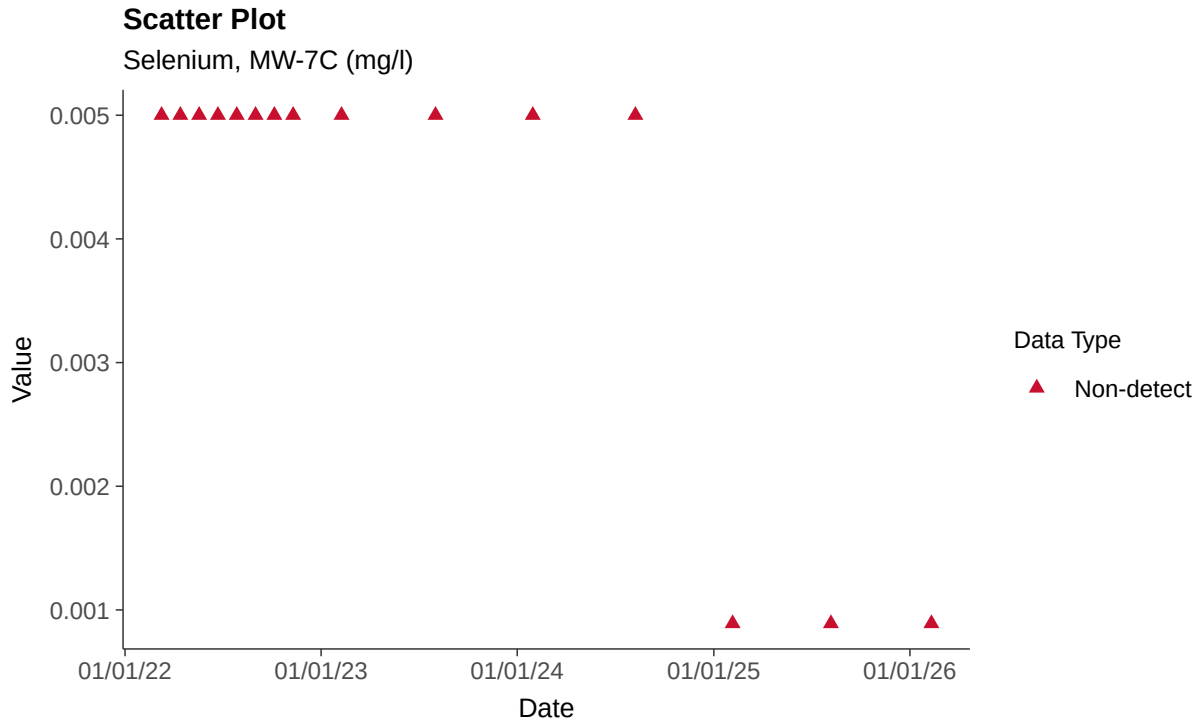
Trend Regression: Piecewise Linear-Linear-Linear

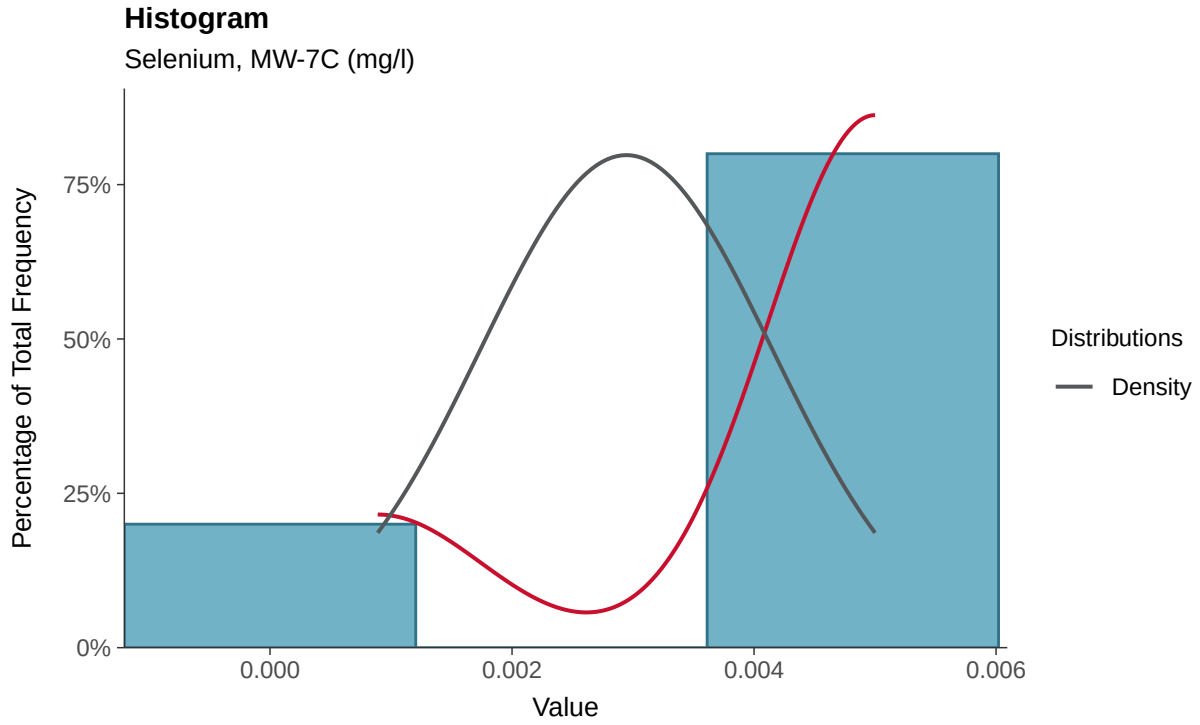
Radium-226+228, MW-7C (pci/l)



Appendix IV: Selenium, MW-7C

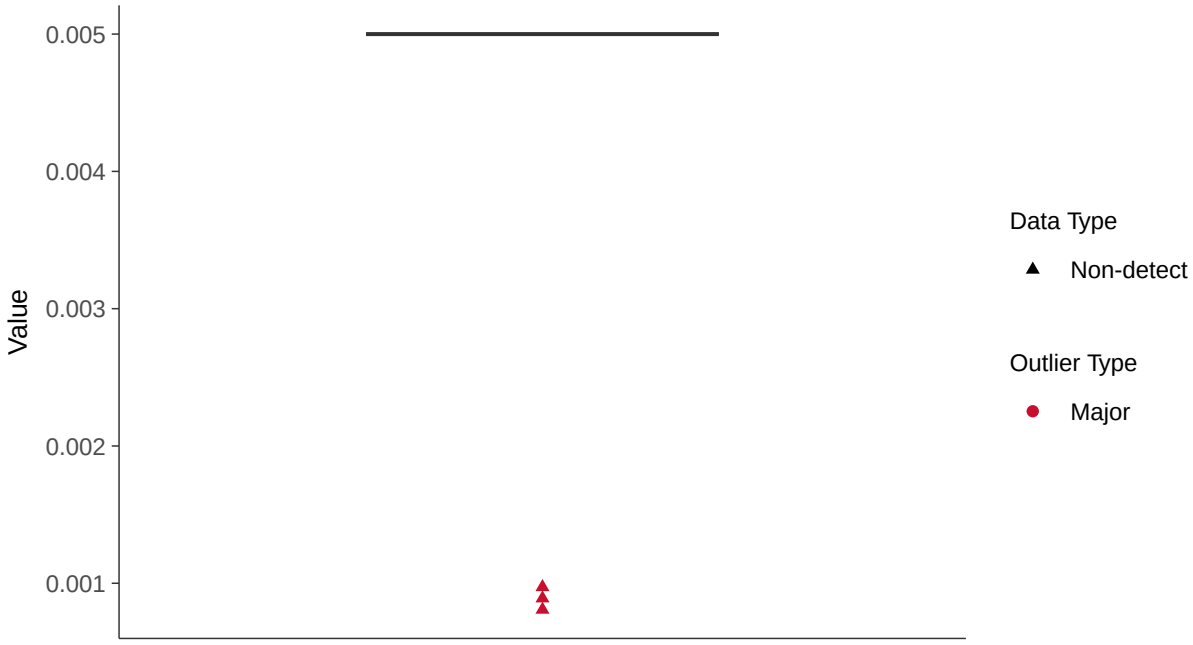
ID: 16_3_122





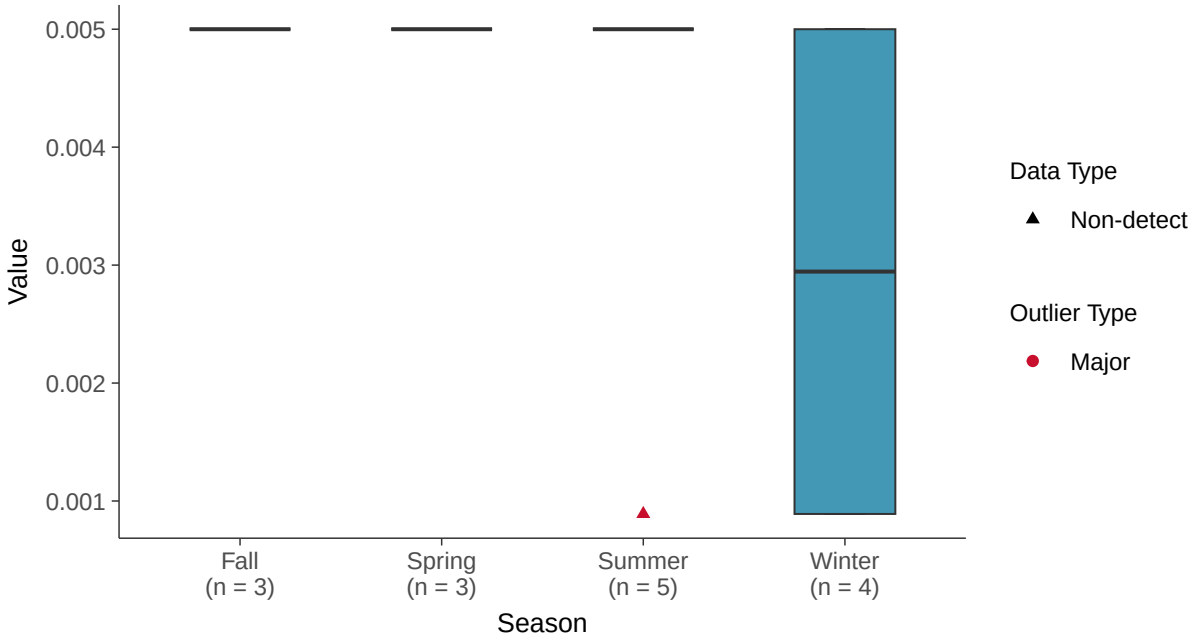
Boxplot

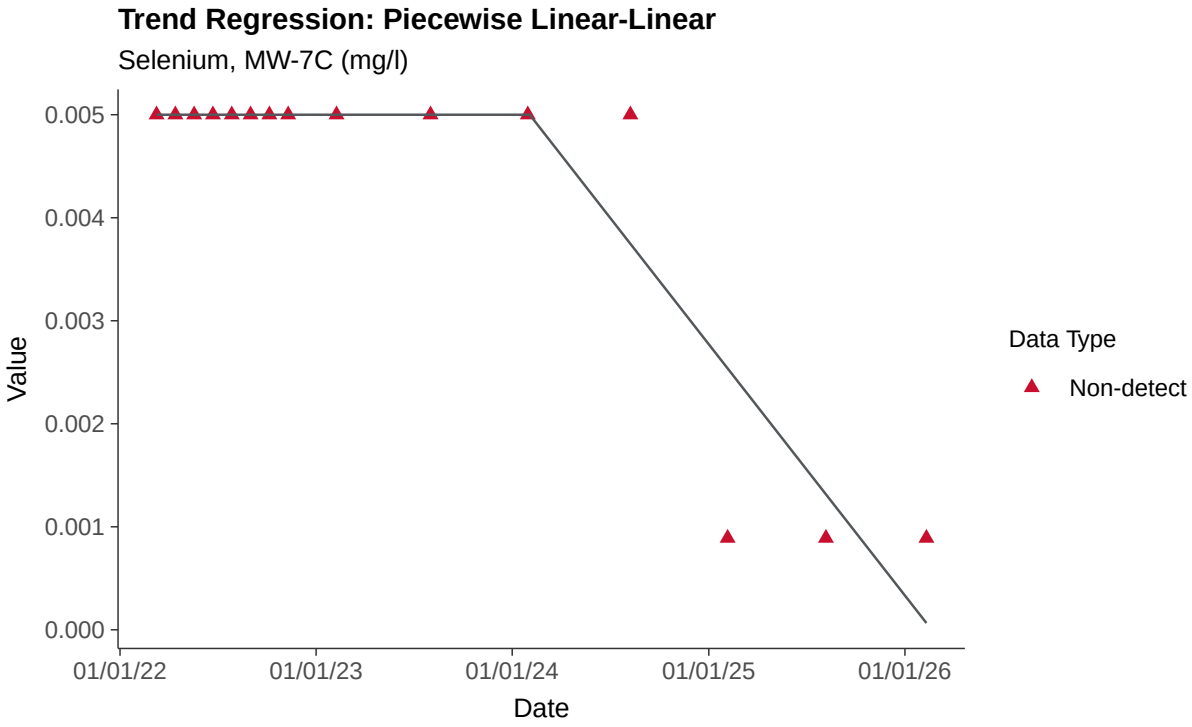
Selenium, MW-7C (mg/l)



Boxplot by Season

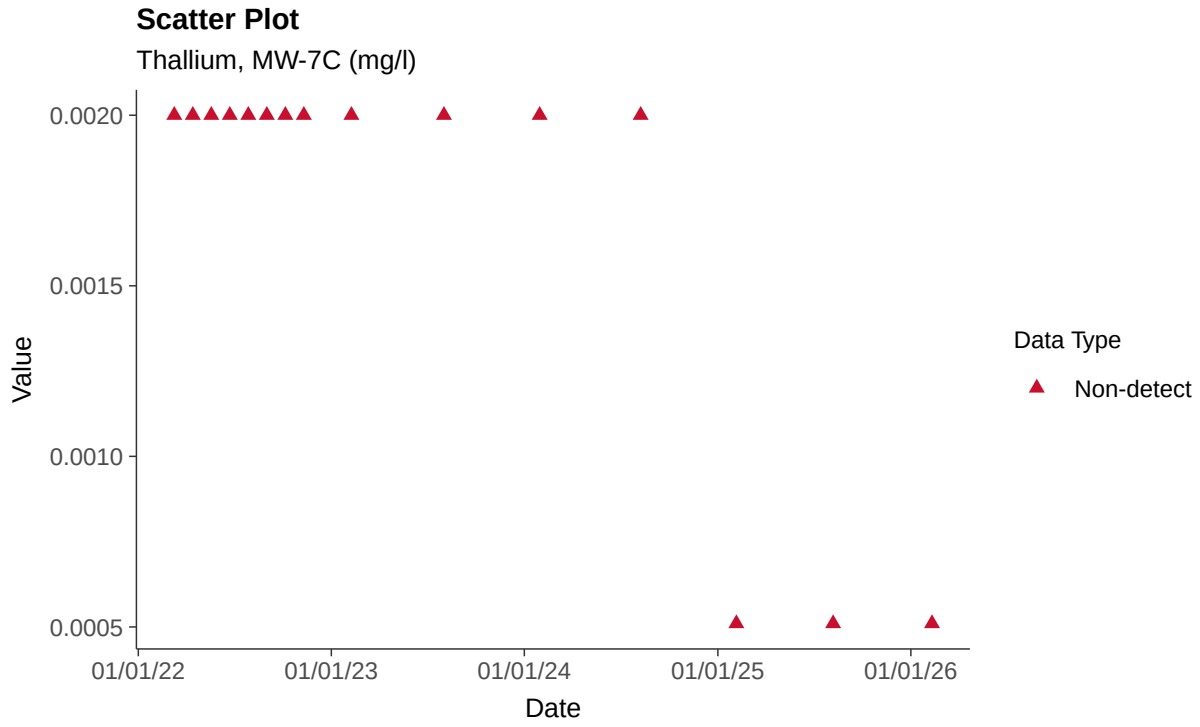
Selenium, MW-7C (mg/l)

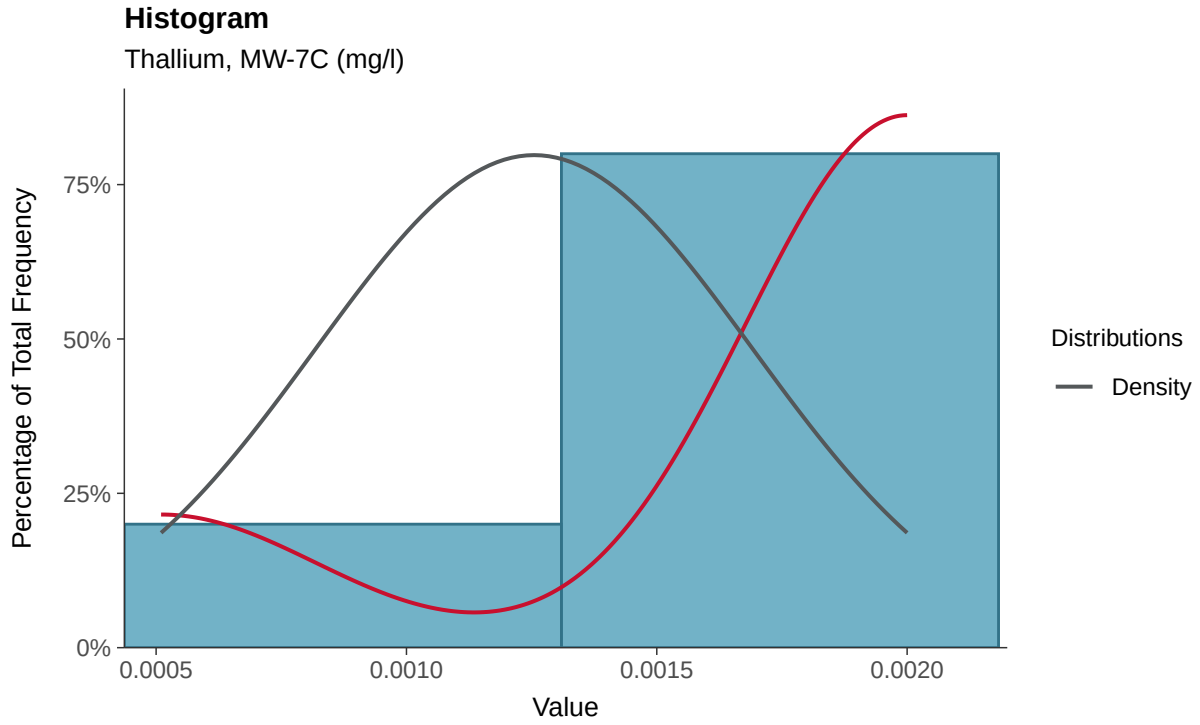



Trend Regression: Piecewise Linear-Linear
Selenium, MW-7C (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-7C

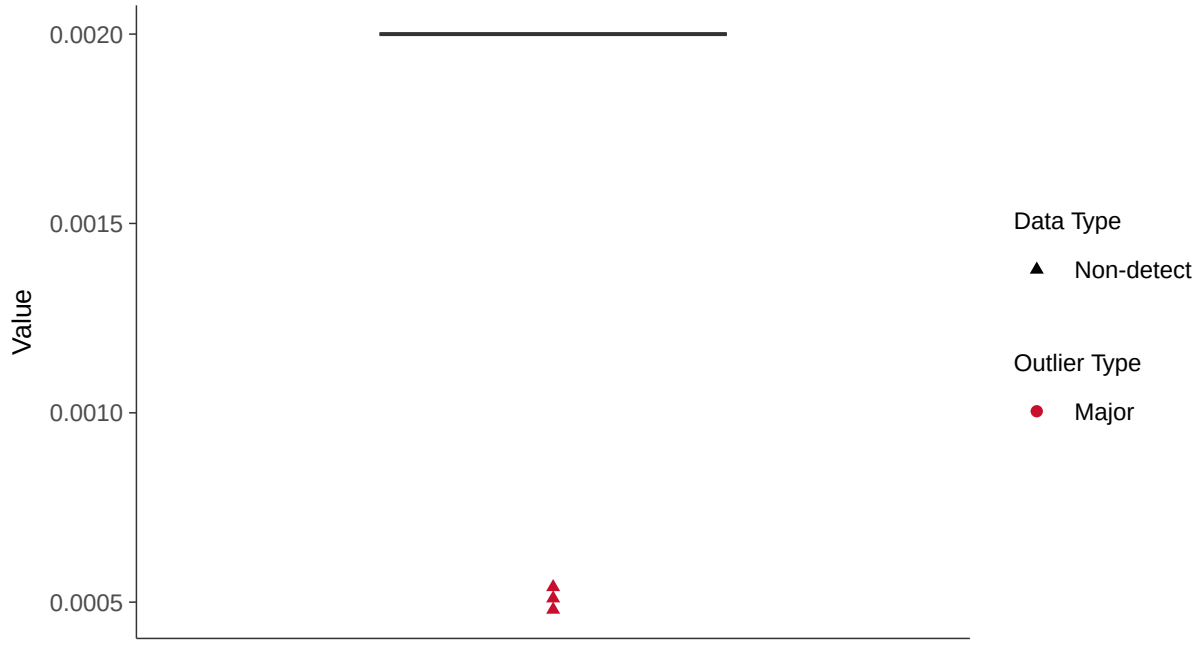
ID: 16_3_125





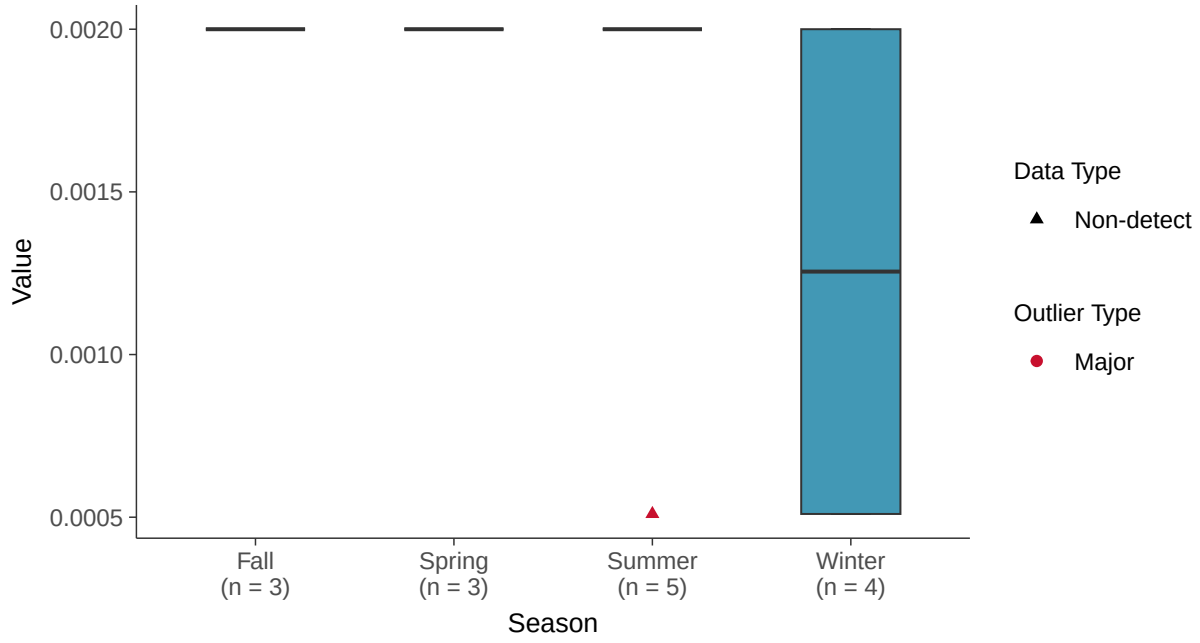
Boxplot

Thallium, MW-7C (mg/l)



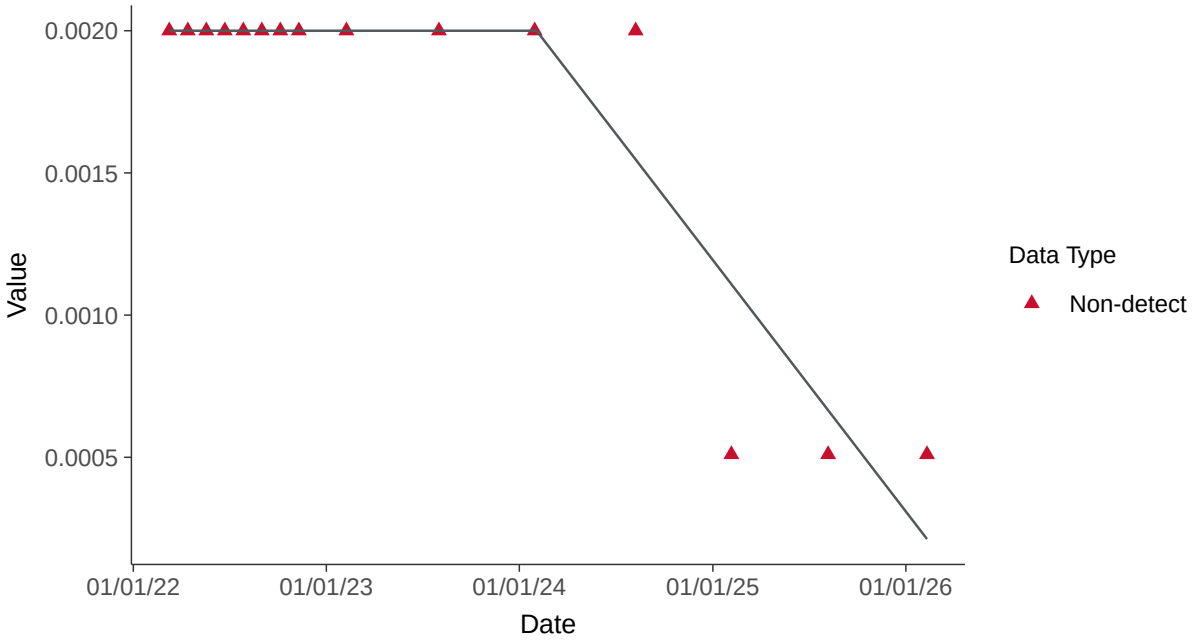
Boxplot by Season

Thallium, MW-7C (mg/l)



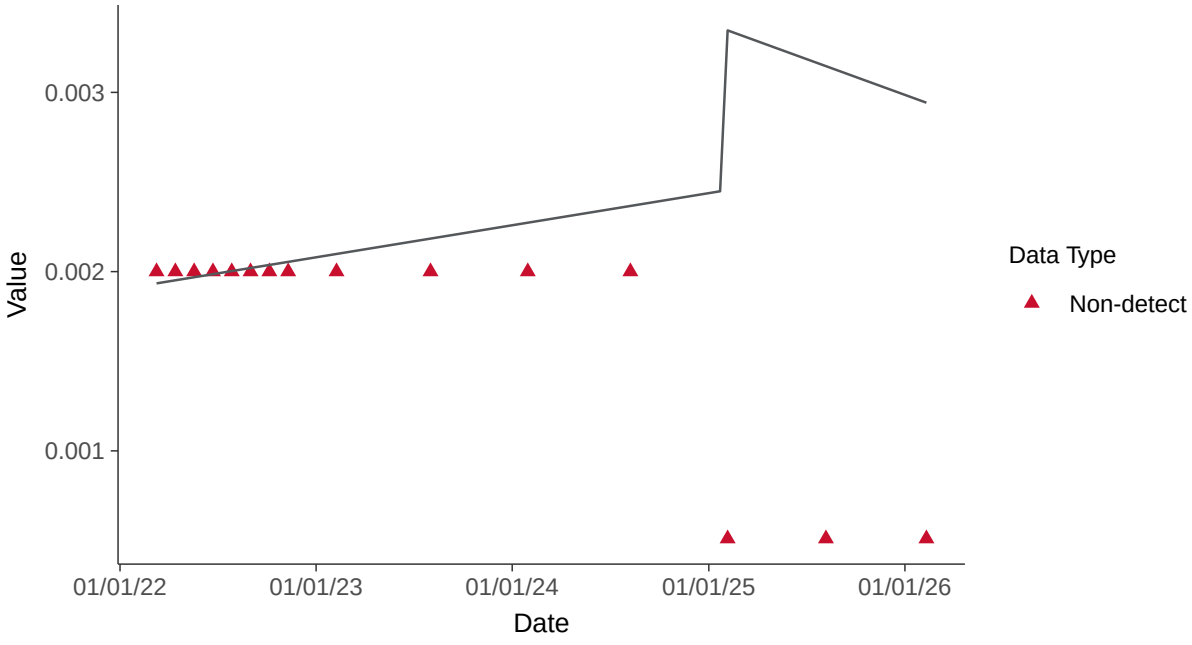
Trend Regression: Piecewise Linear-Linear

Thallium, MW-7C (mg/l)



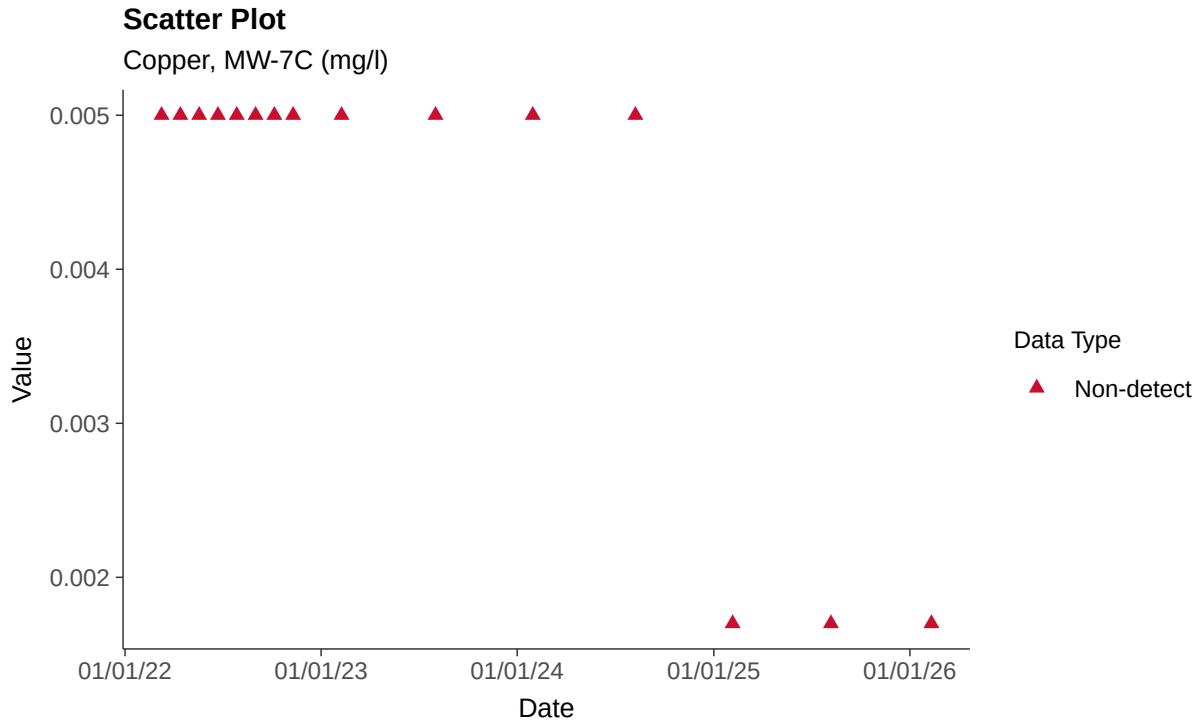
Trend Regression: Piecewise Linear-Linear-Linear

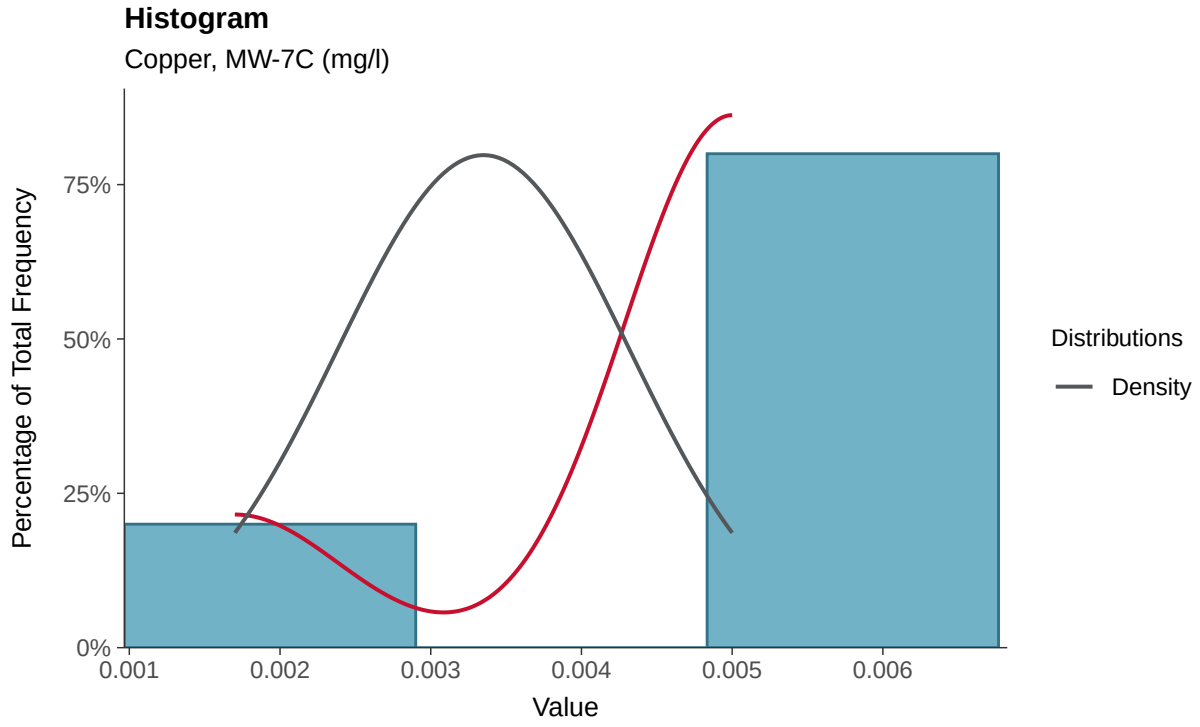
Thallium, MW-7C (mg/l)



Part 115: Copper, MW-7C

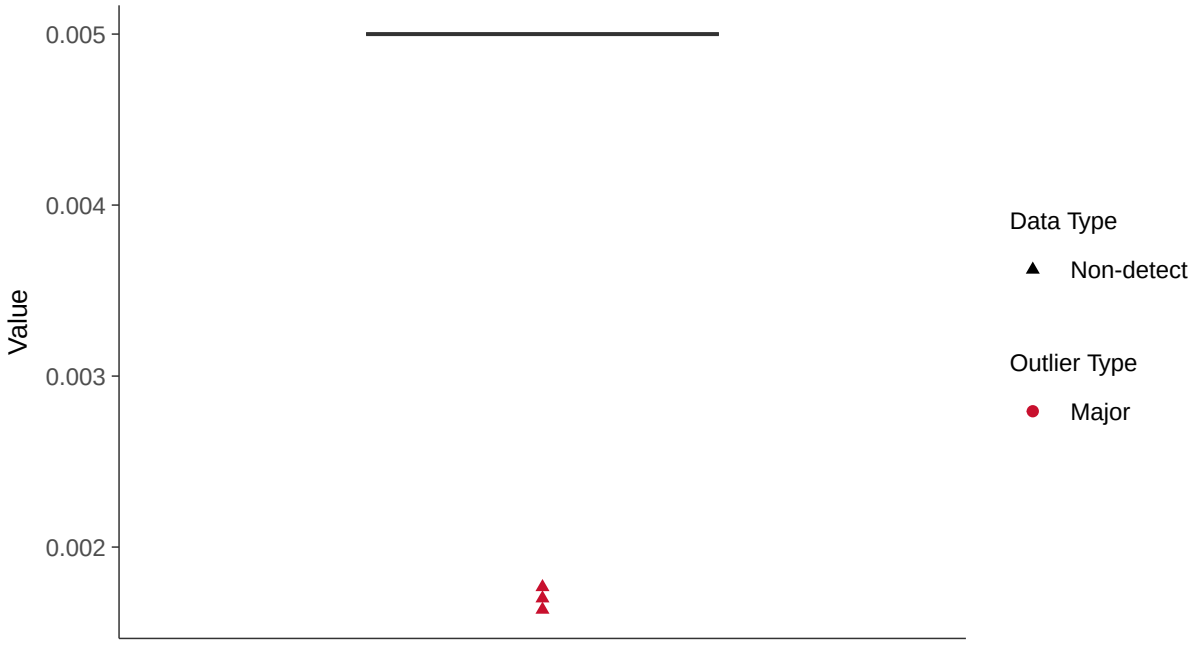
ID: 16_5_111





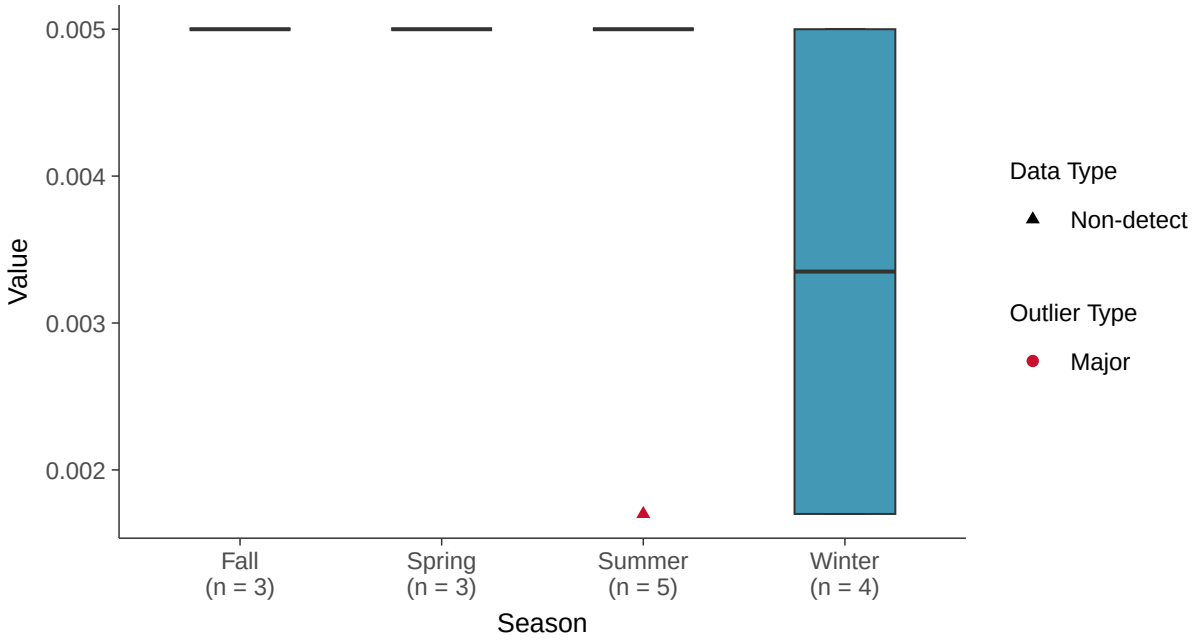
Boxplot

Copper, MW-7C (mg/l)



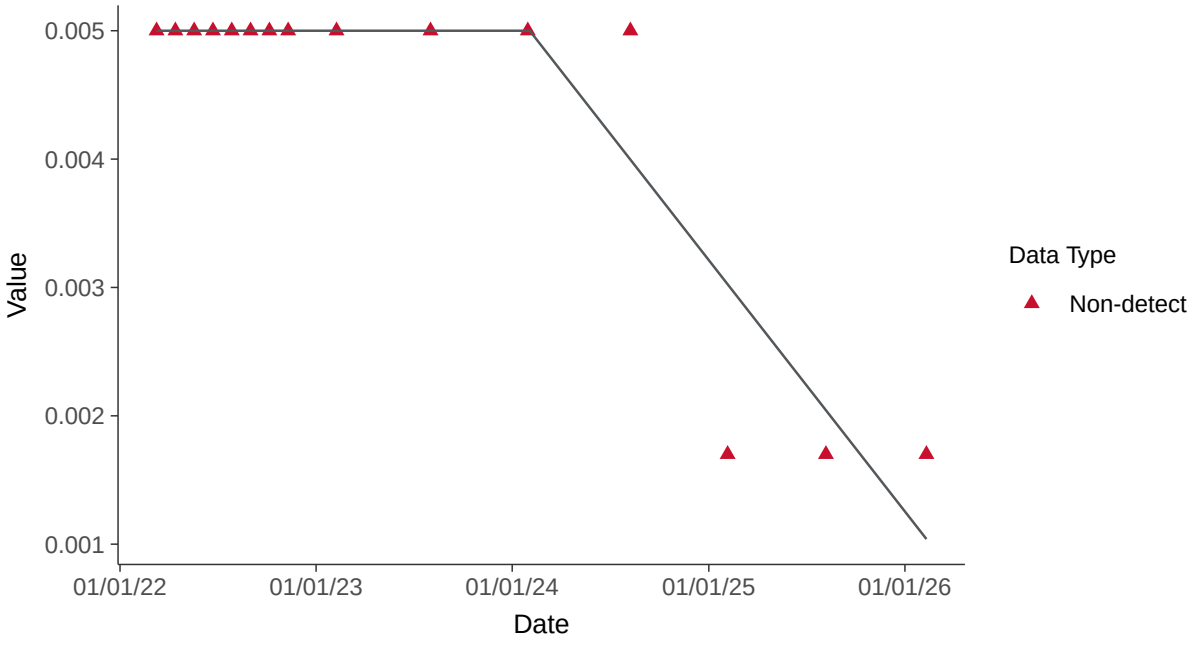
Boxplot by Season

Copper, MW-7C (mg/l)



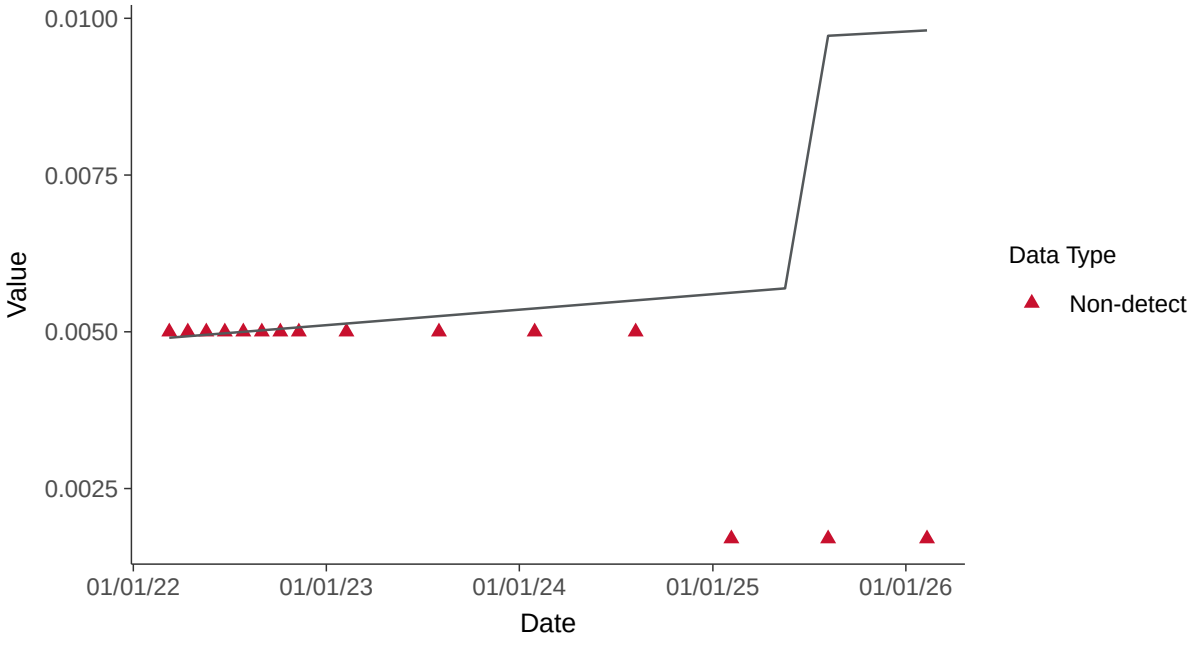
Trend Regression: Piecewise Linear-Linear

Copper, MW-7C (mg/l)



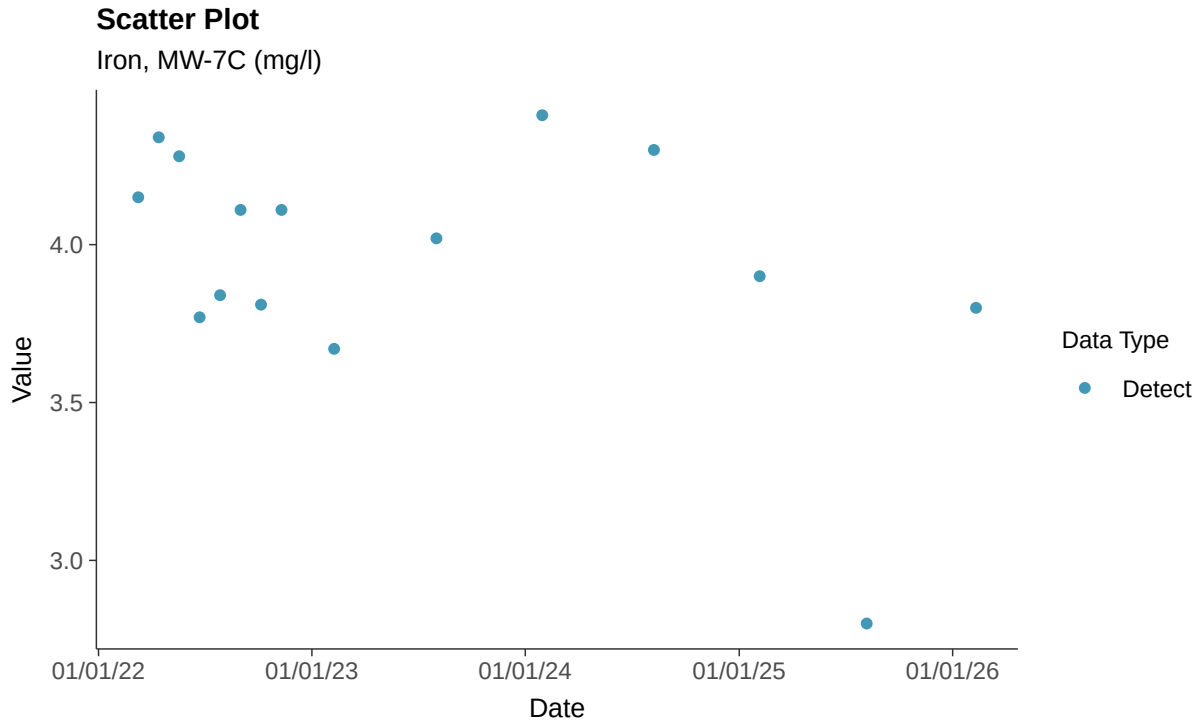
Trend Regression: Piecewise Linear-Linear-Linear

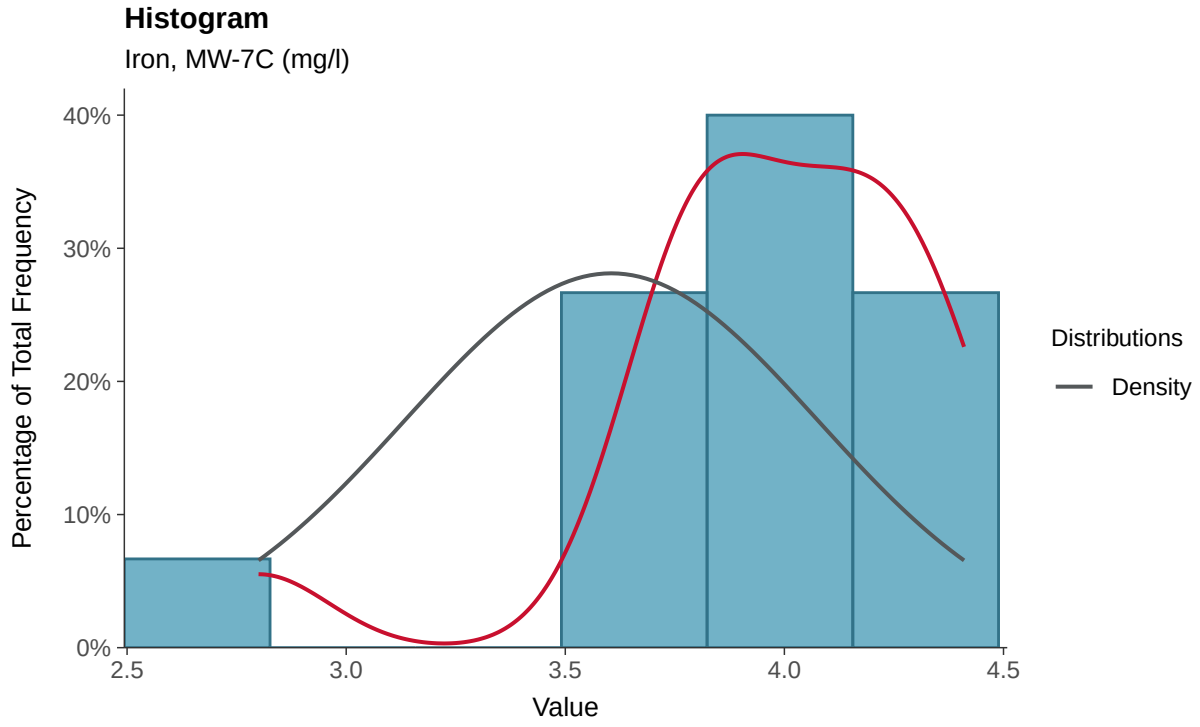
Copper, MW-7C (mg/l)



Part 115: Iron, MW-7C

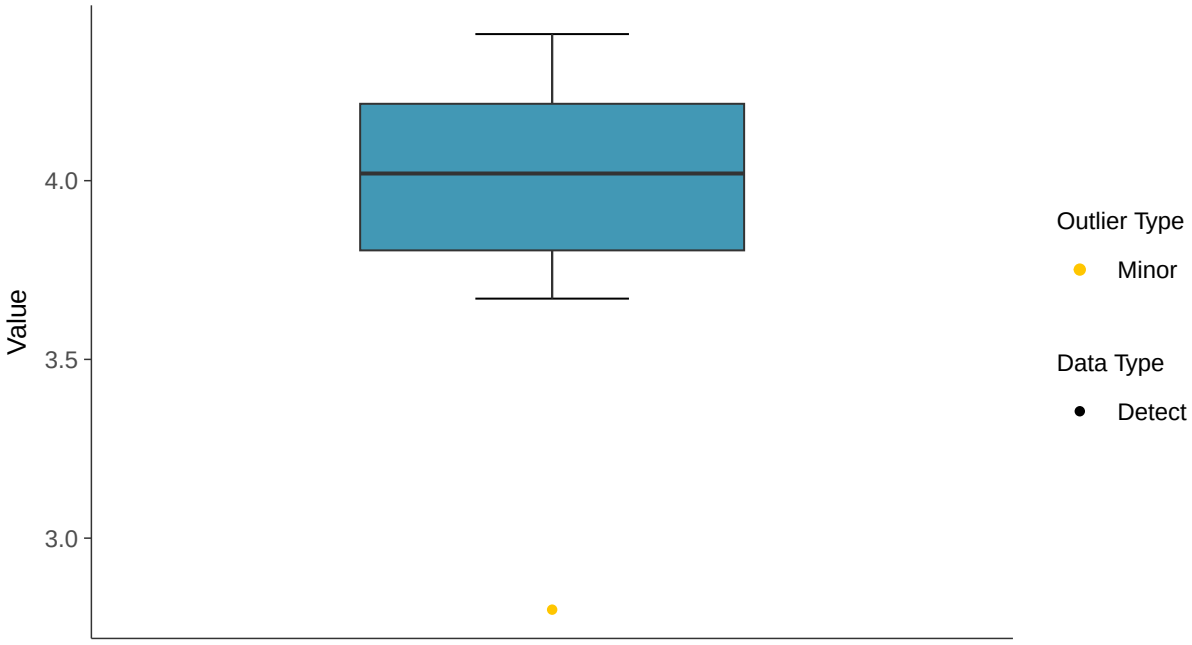
ID: 16_5_114





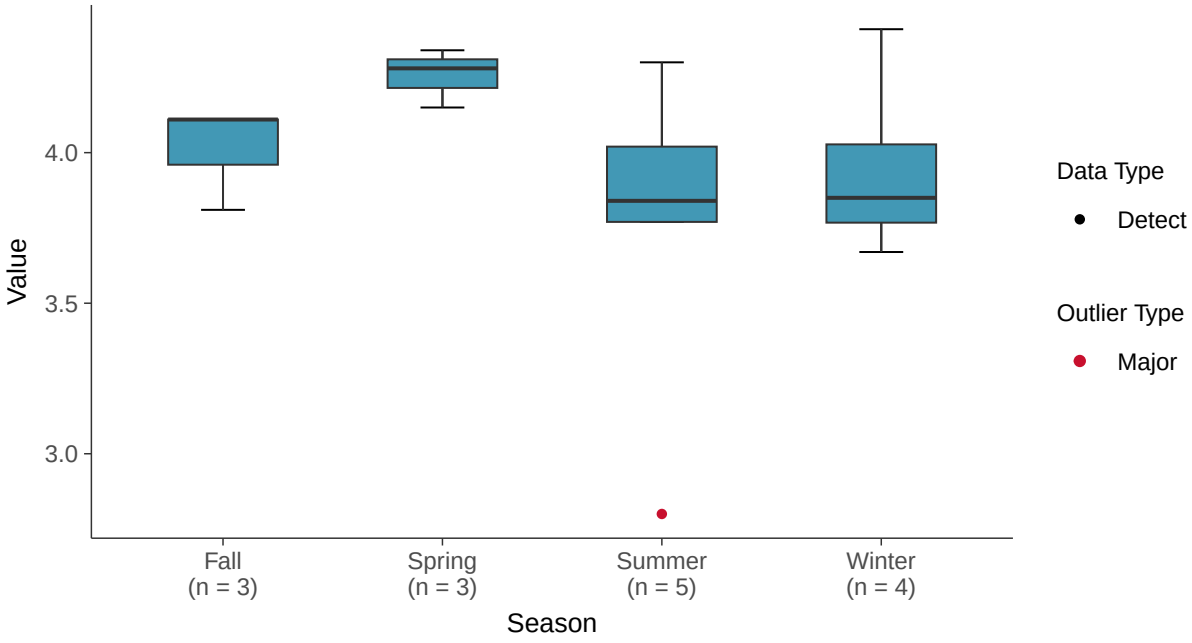
Boxplot

Iron, MW-7C (mg/l)



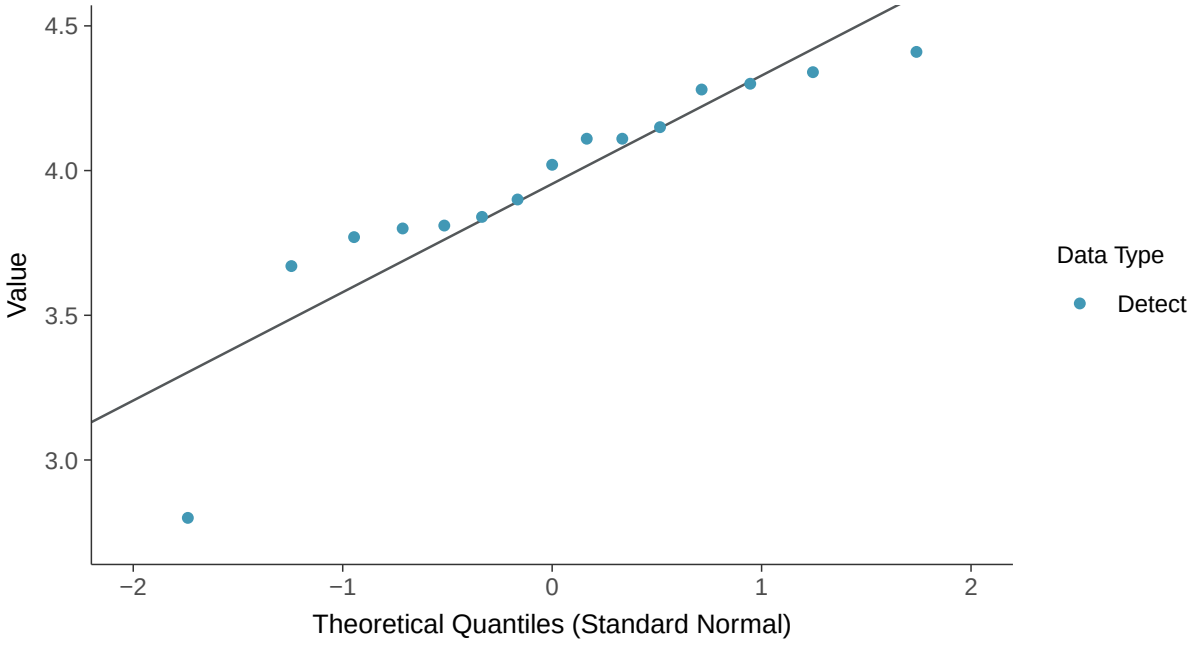
Boxplot by Season

Iron, MW-7C (mg/l)



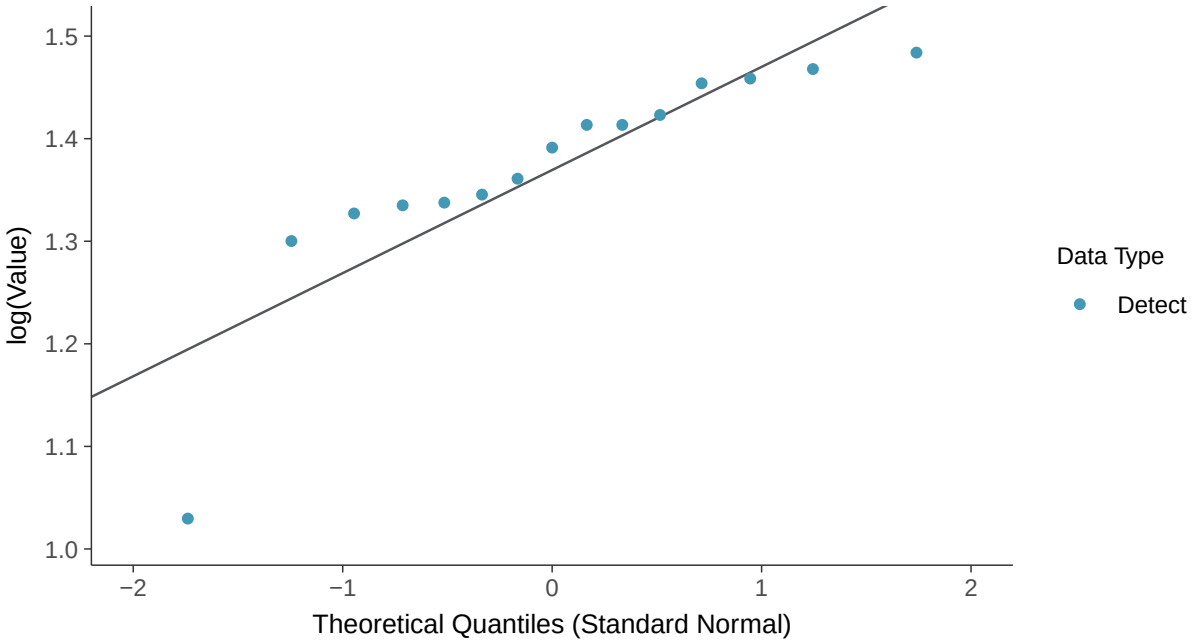
Normal Q-Q plot

Iron, MW-7C (mg/l)



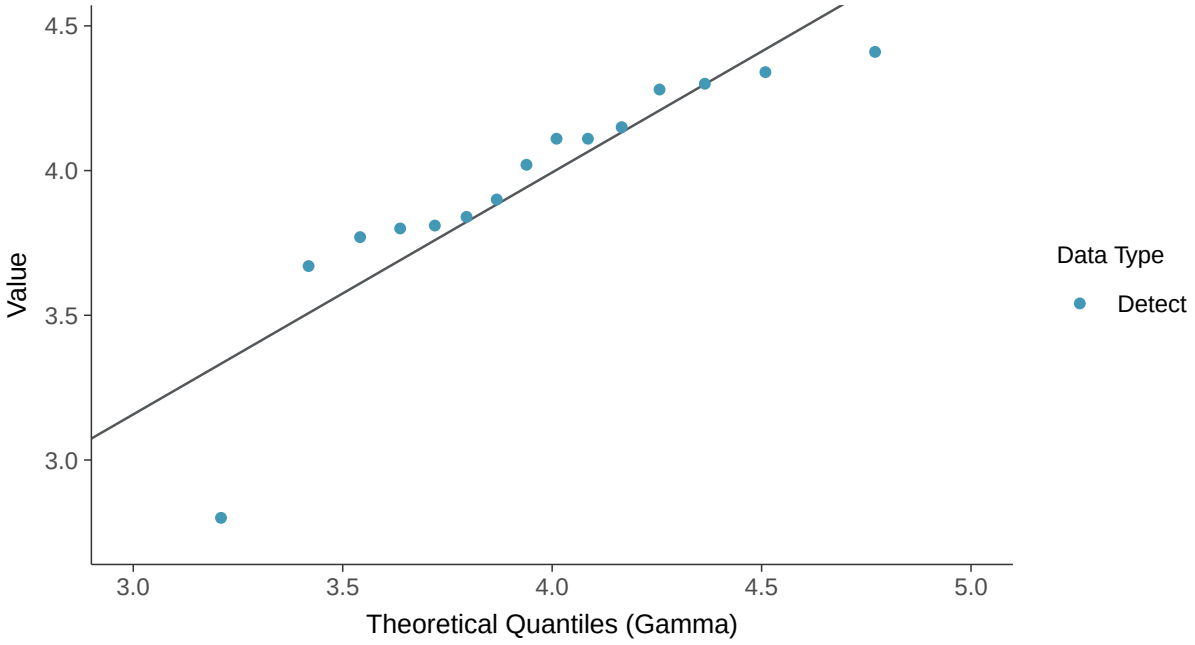
Lognormal Q-Q plot

Iron, MW-7C (mg/l)



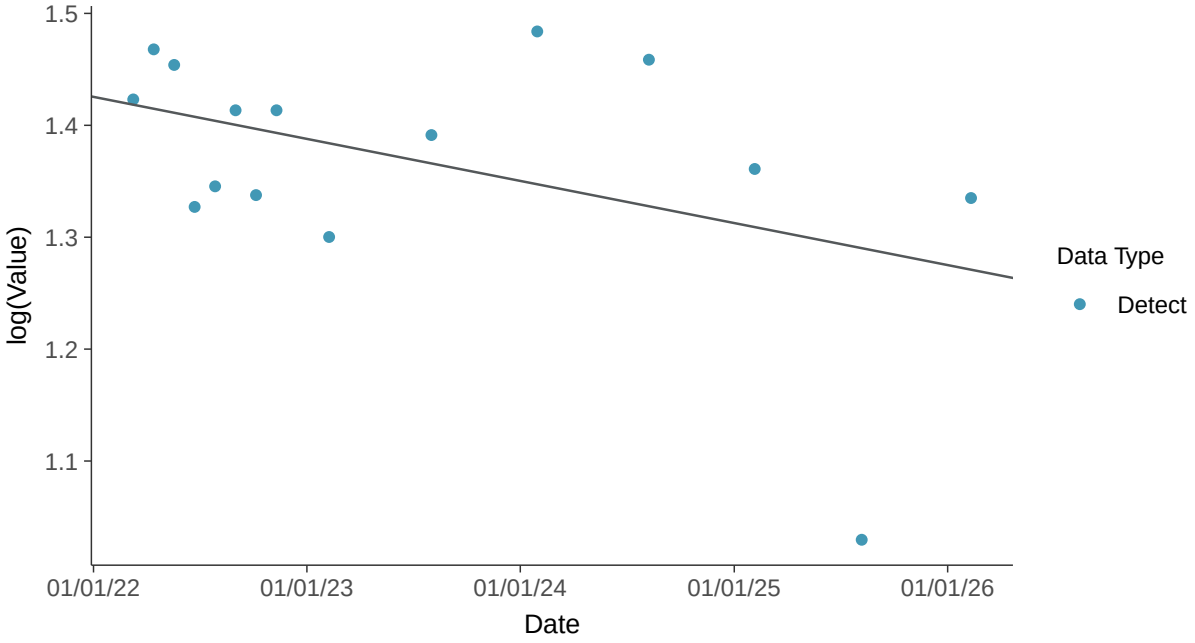
Gamma Q-Q plot

Iron, MW-7C (mg/l)



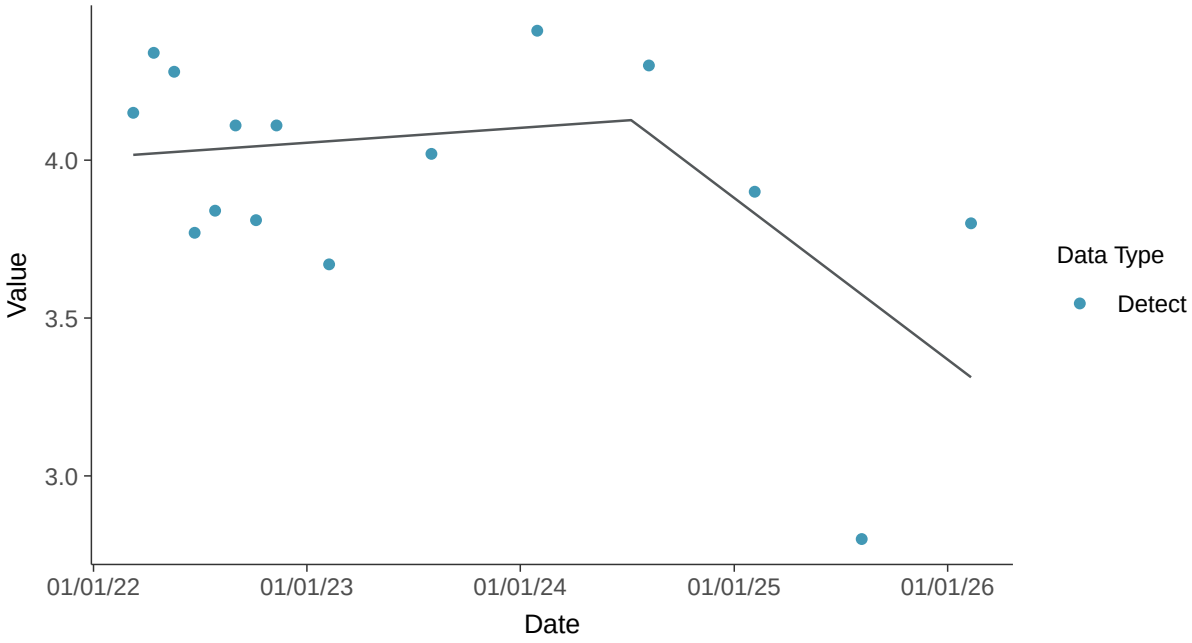
Trend Regression: Lognormal MLE

Iron, MW-7C (mg/l)



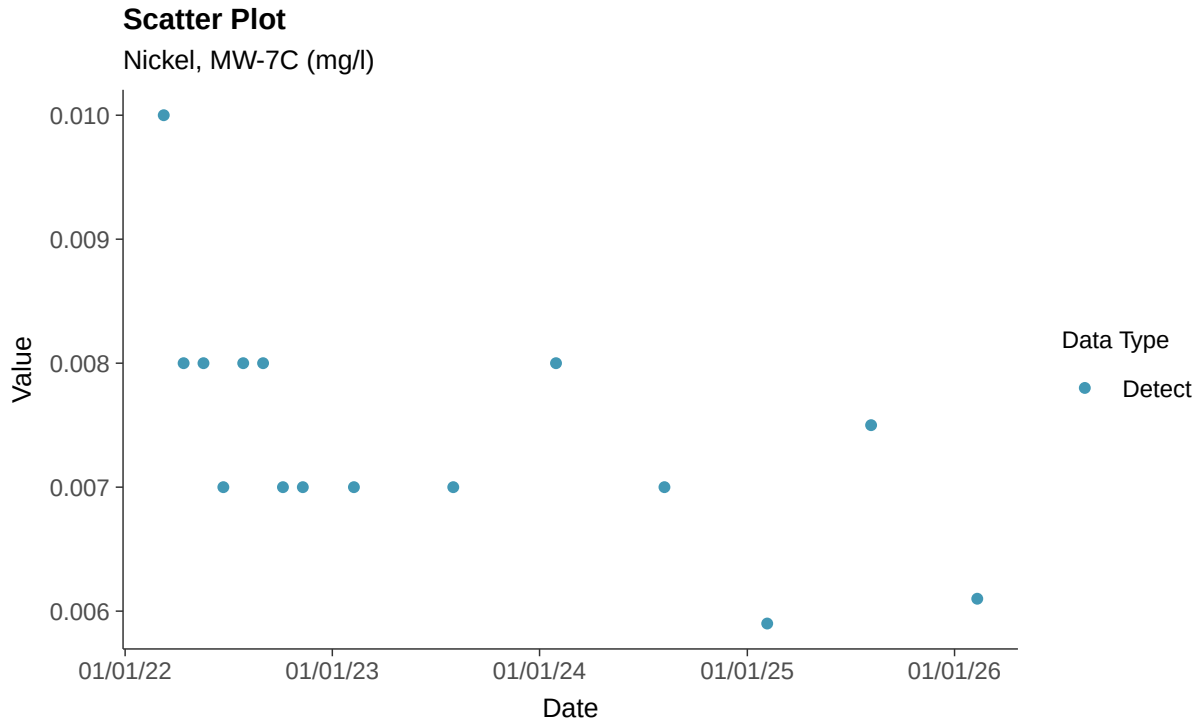
Trend Regression: Piecewise Linear-Linear

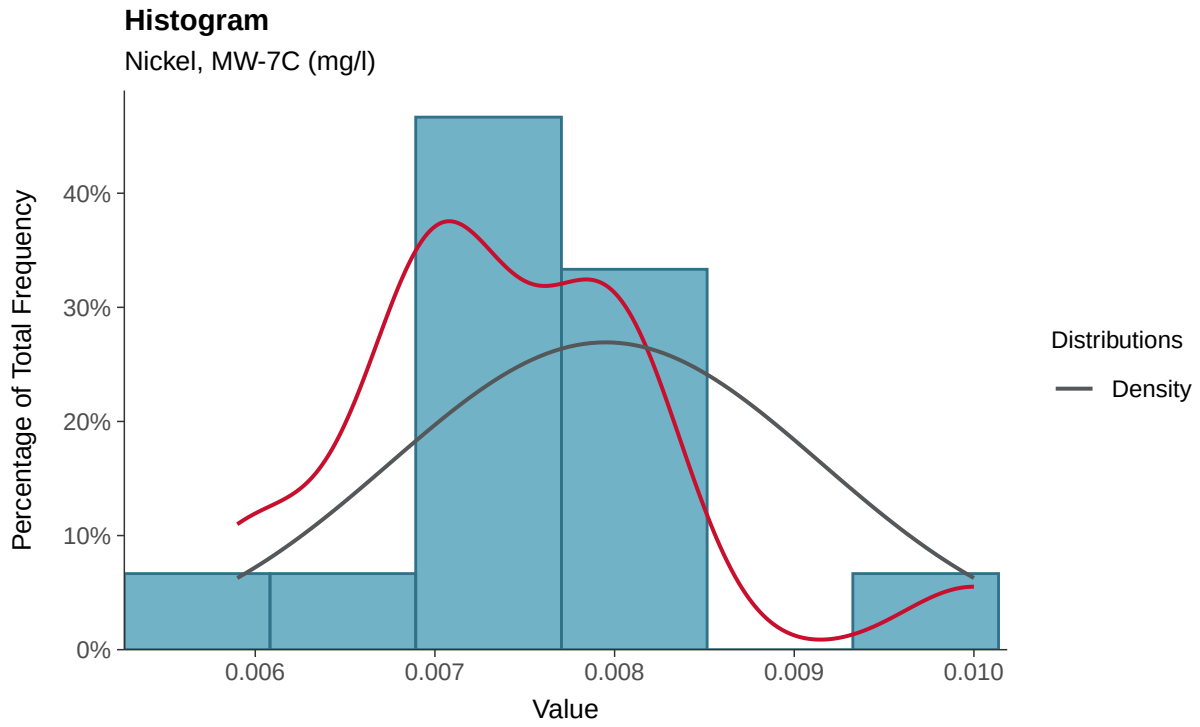
Iron, MW-7C (mg/l)



Part 115: Nickel, MW-7C

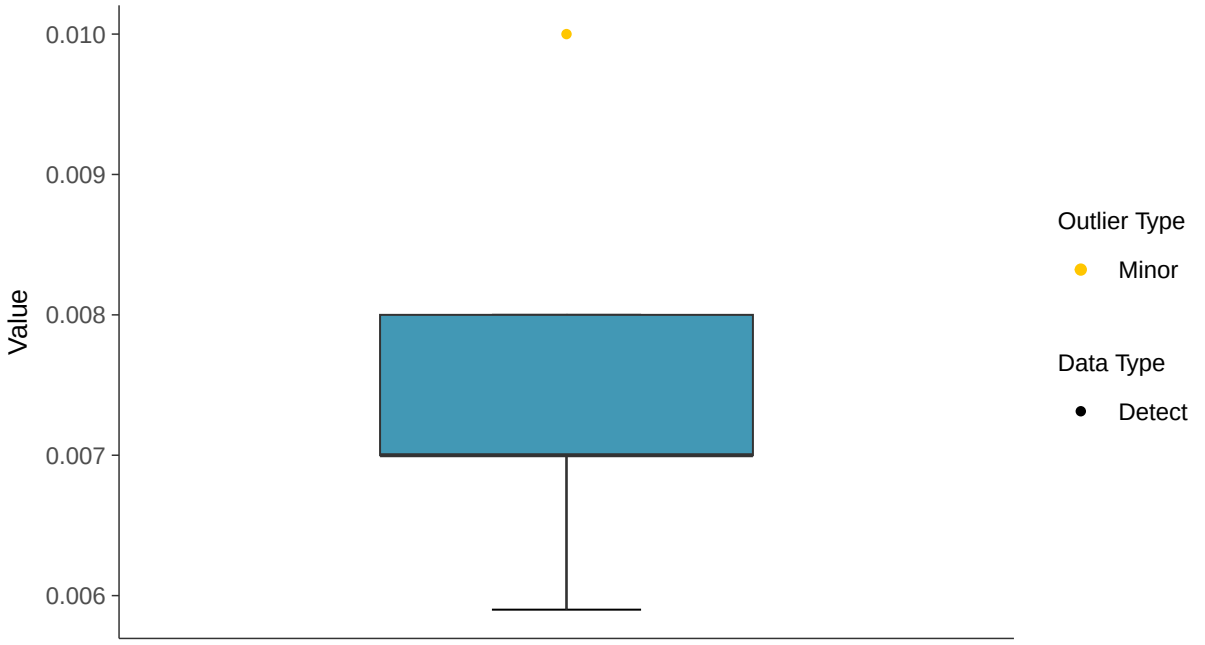
ID: 16_5_119





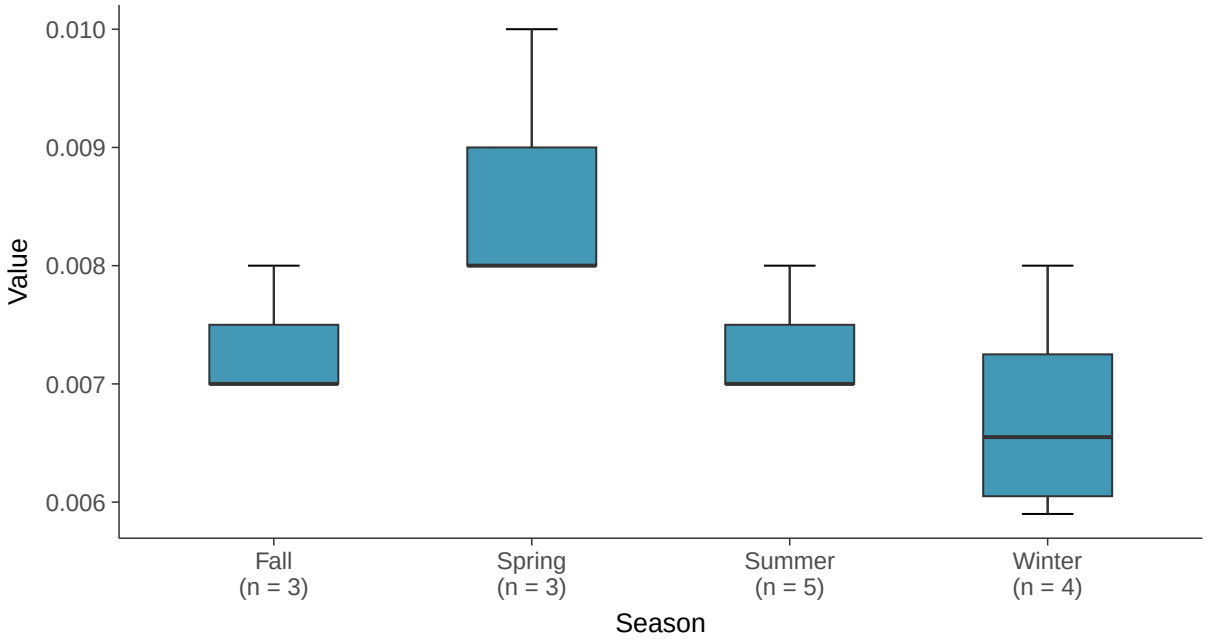
Boxplot

Nickel, MW-7C (mg/l)



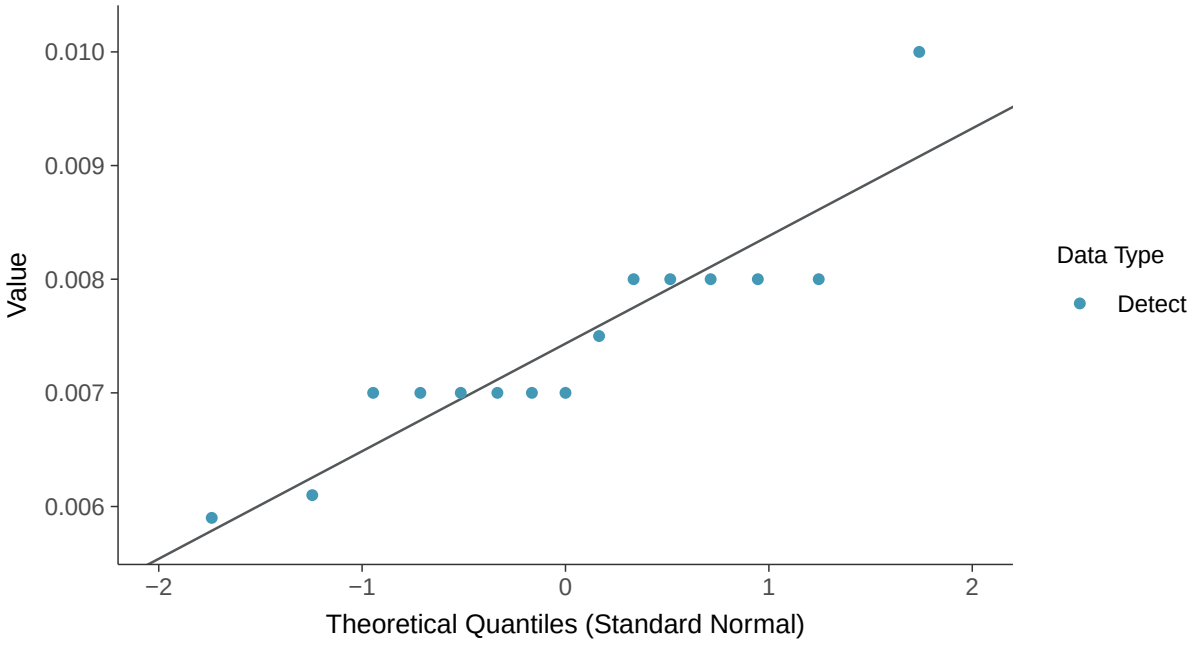
Boxplot by Season

Nickel, MW-7C (mg/l)



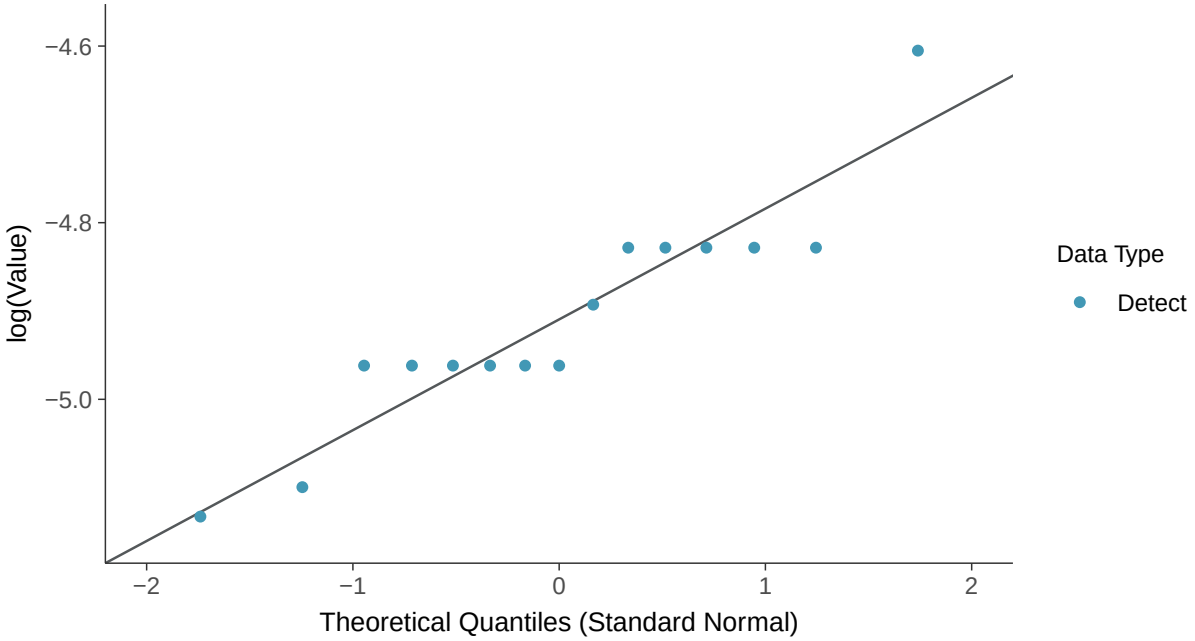
Normal Q-Q plot

Nickel, MW-7C (mg/l)



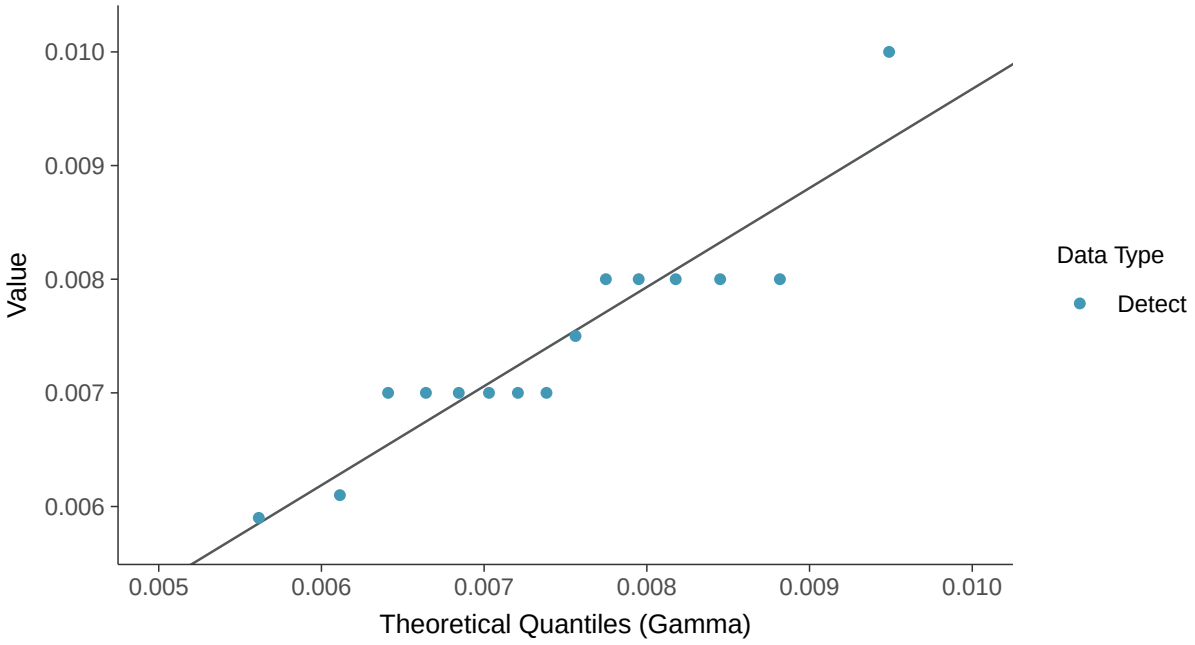
Lognormal Q-Q plot

Nickel, MW-7C (mg/l)



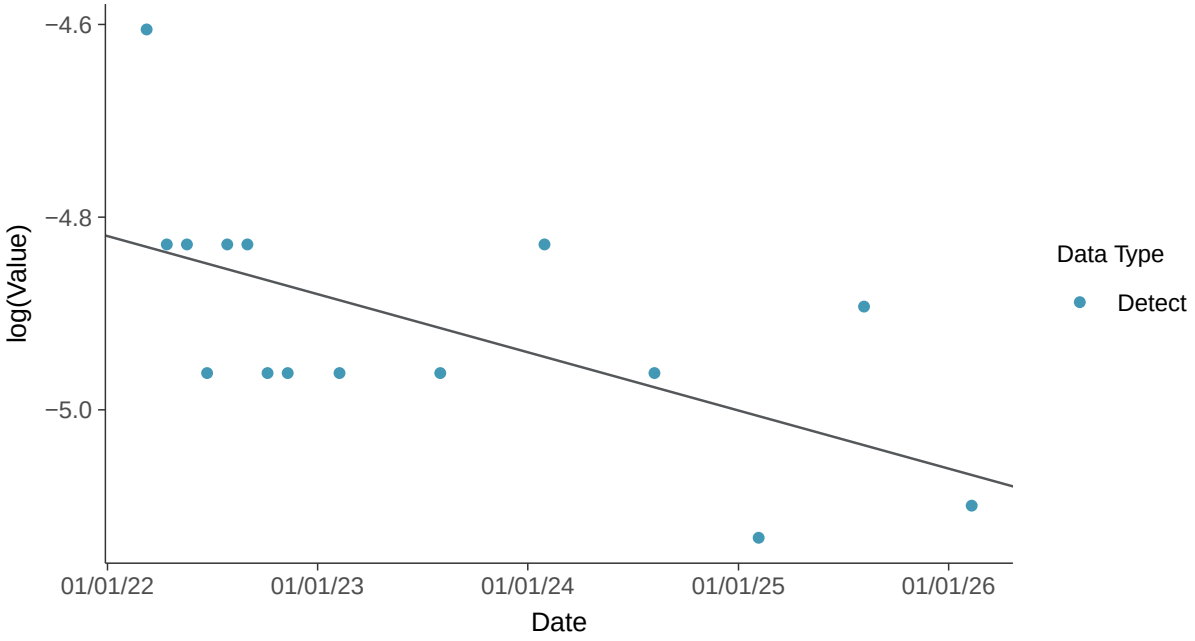
Gamma Q-Q plot

Nickel, MW-7C (mg/l)



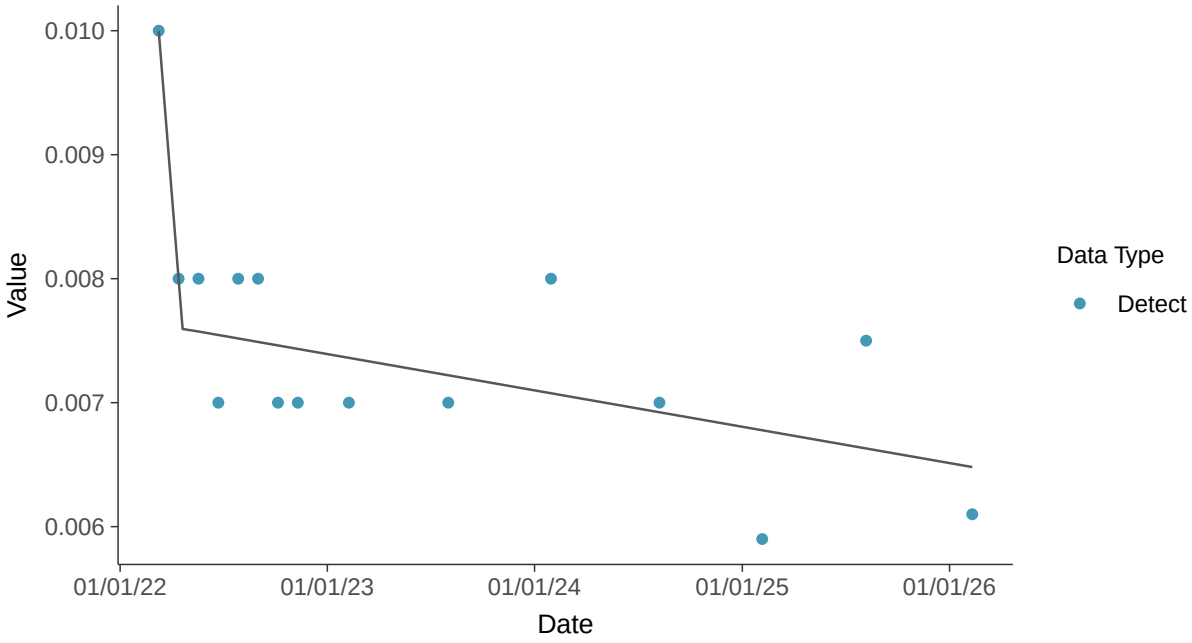
Trend Regression: Lognormal MLE

Nickel, MW-7C (mg/l)



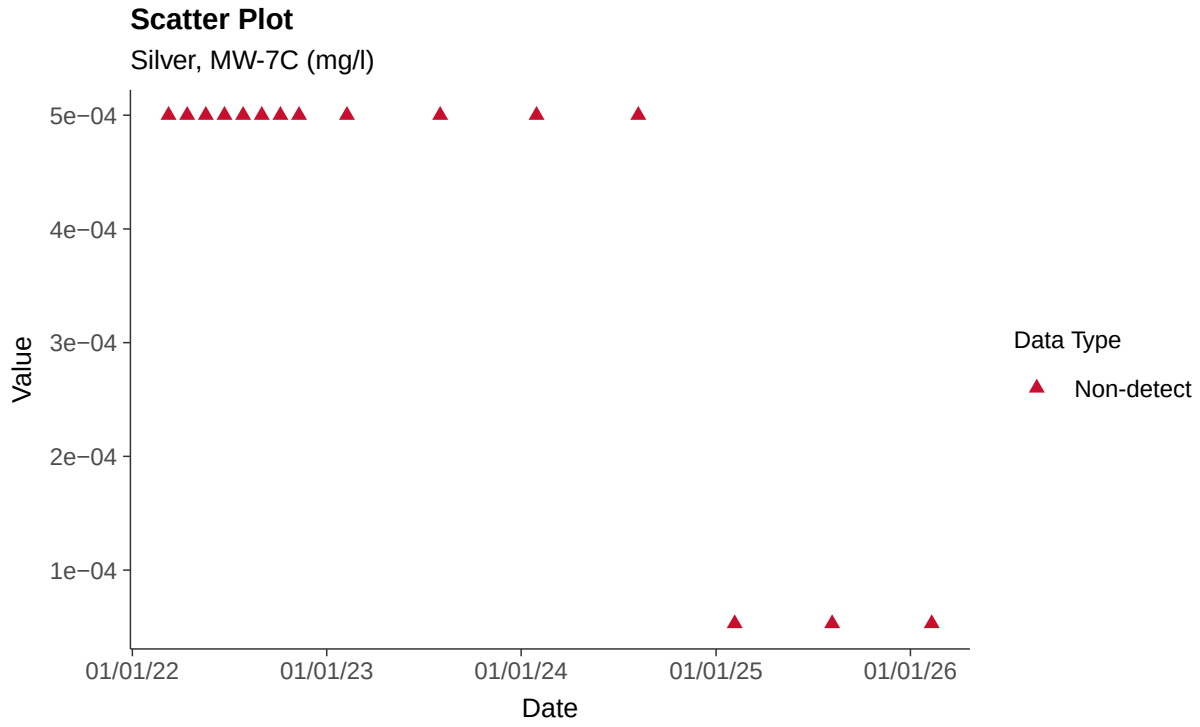
Trend Regression: Piecewise Linear-Linear

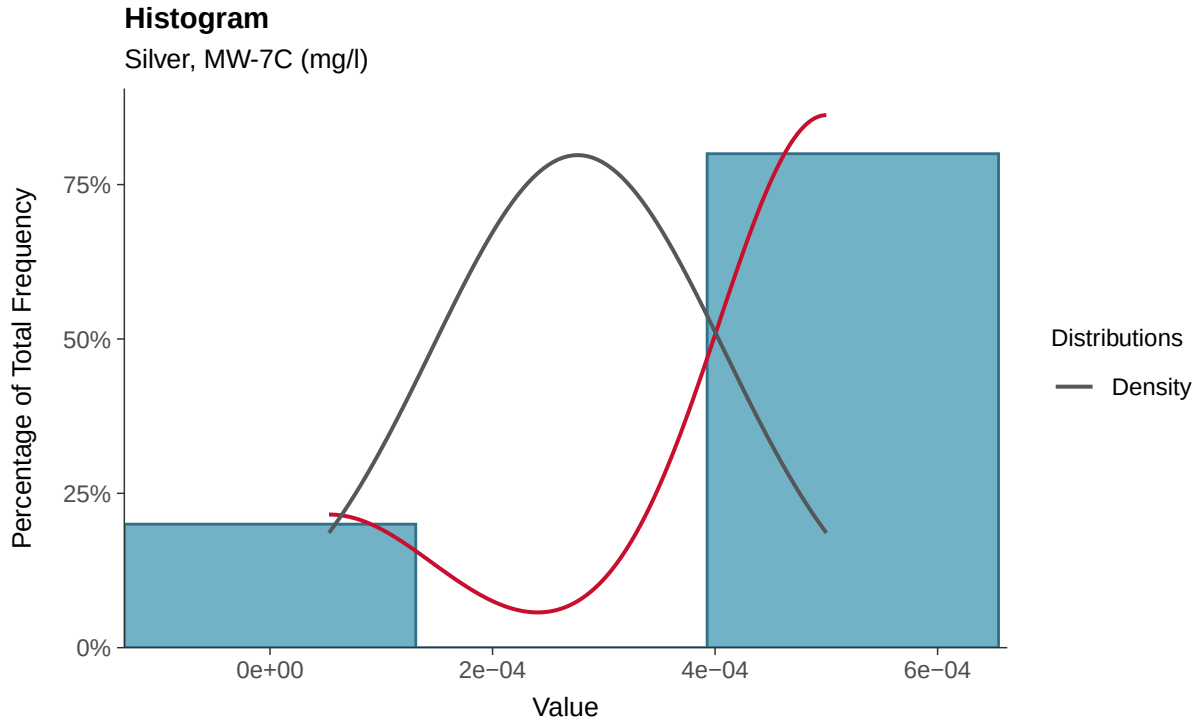
Nickel, MW-7C (mg/l)



Part 115: Silver, MW-7C

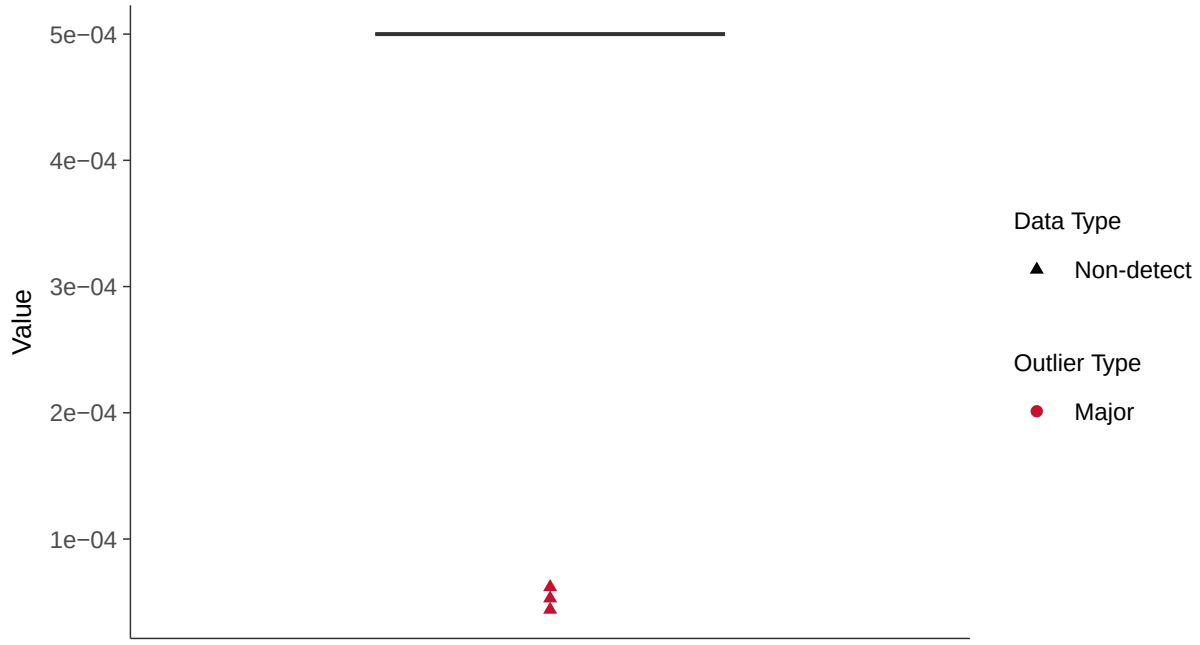
ID: 16_5_123





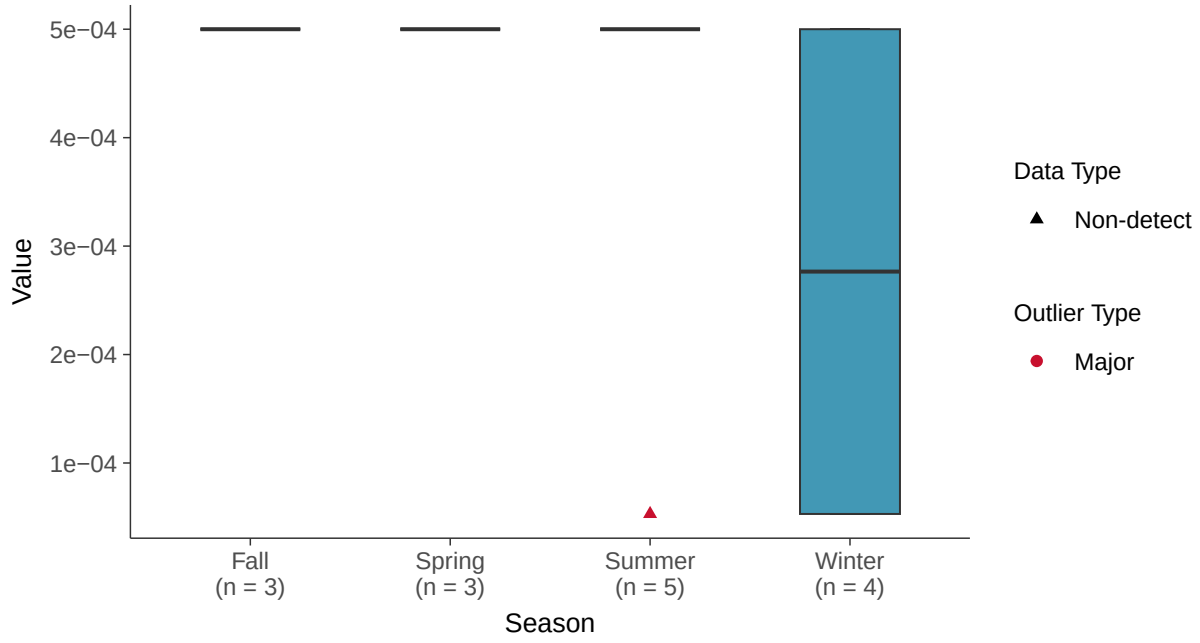
Boxplot

Silver, MW-7C (mg/l)



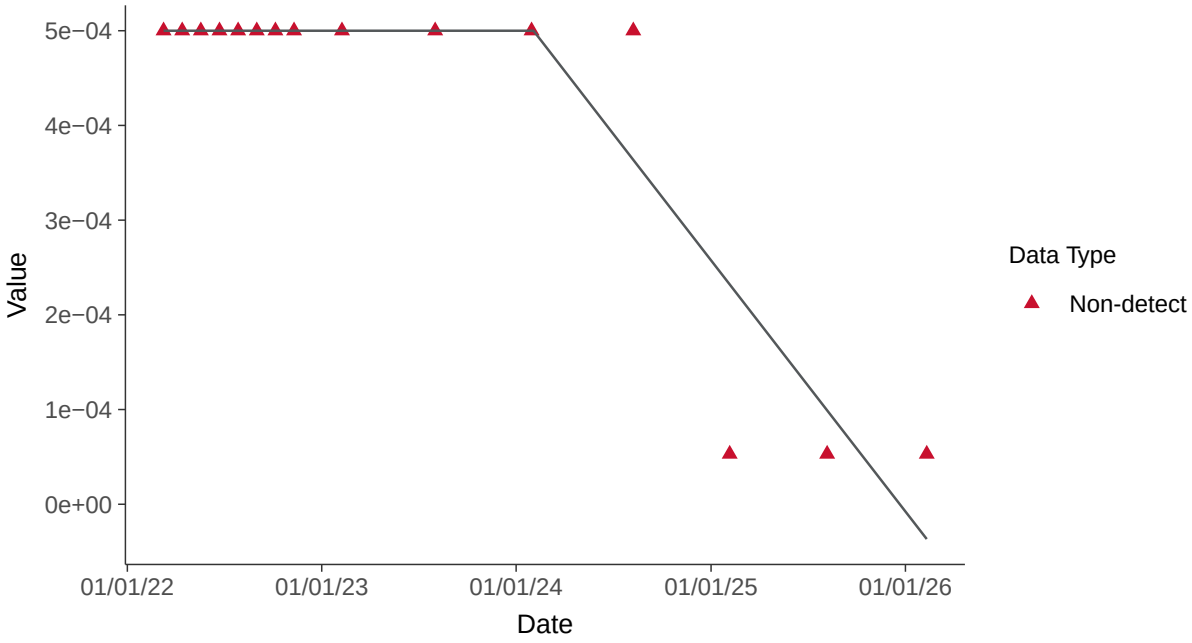
Boxplot by Season

Silver, MW-7C (mg/l)



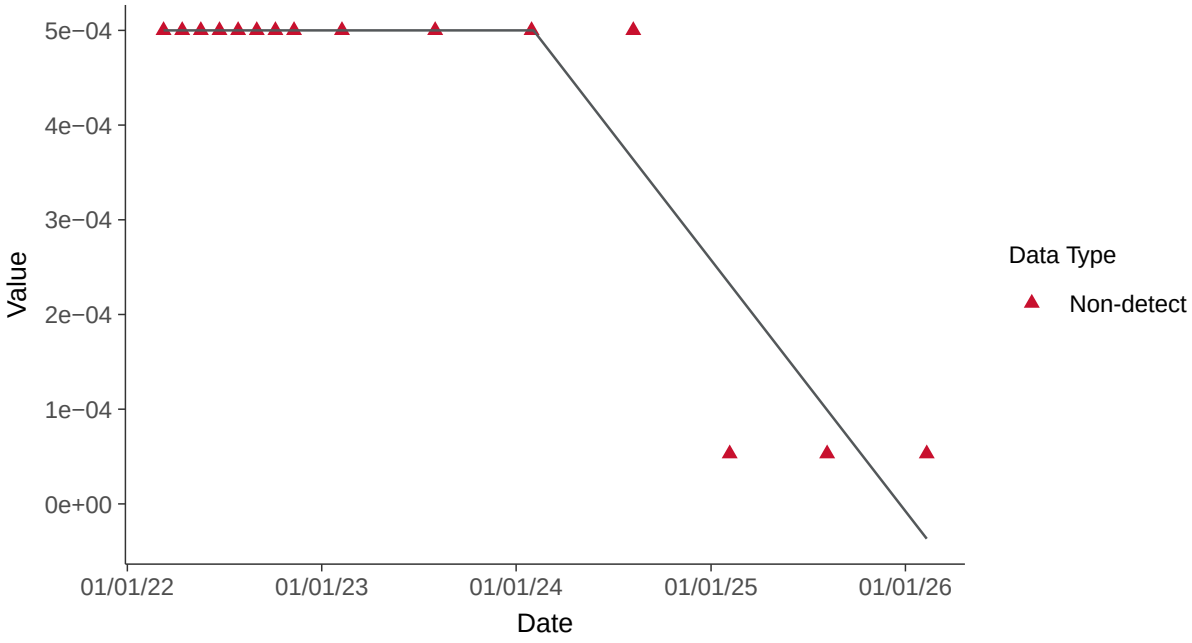
Trend Regression: Piecewise Linear-Linear

Silver, MW-7C (mg/l)



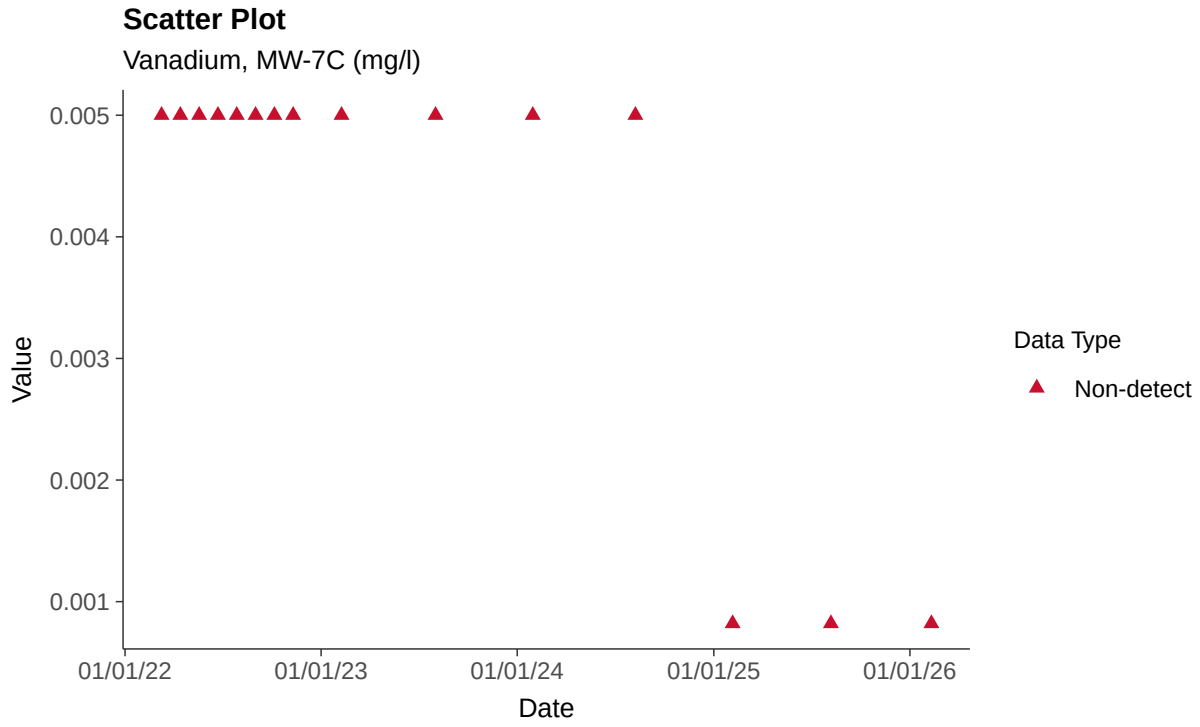
Trend Regression: Piecewise Linear-Linear-Linear

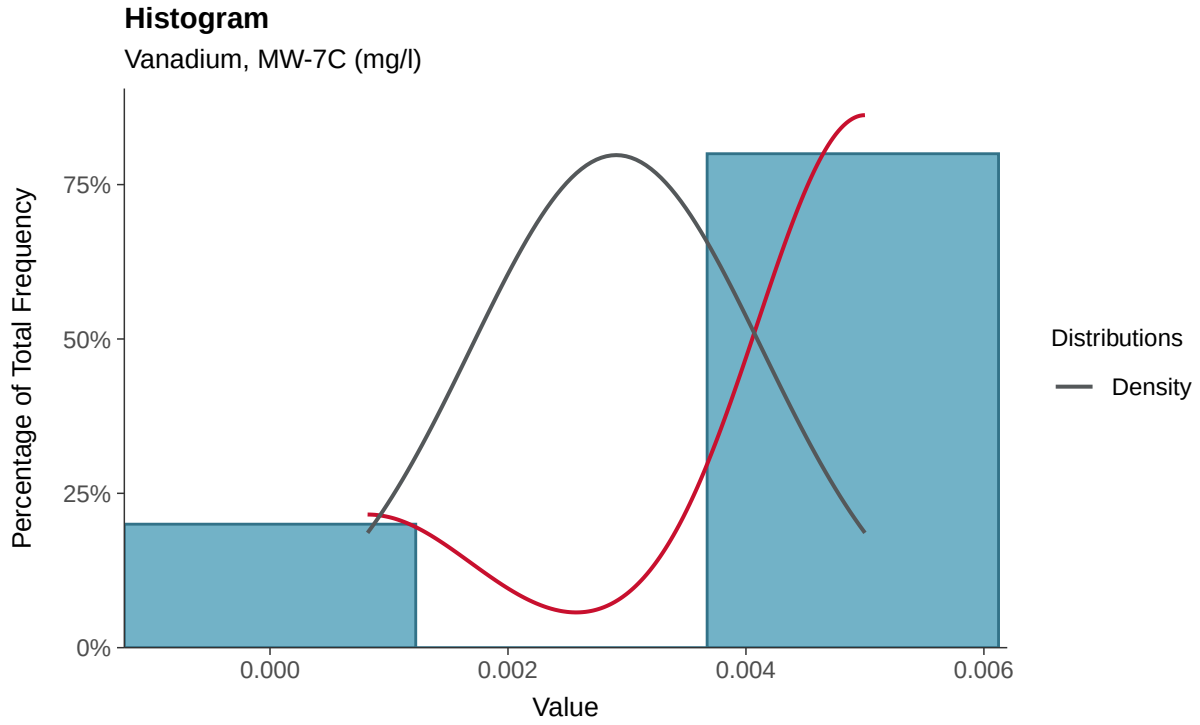
Silver, MW-7C (mg/l)



Part 115: Vanadium, MW-7C

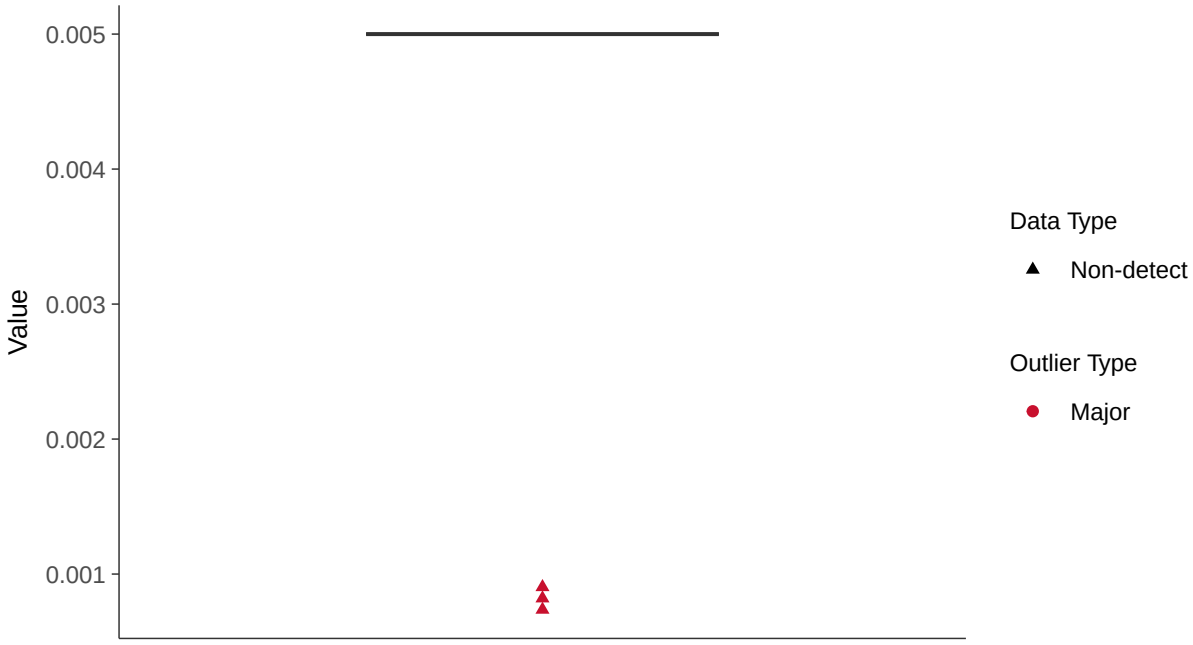
ID: 16_5_128





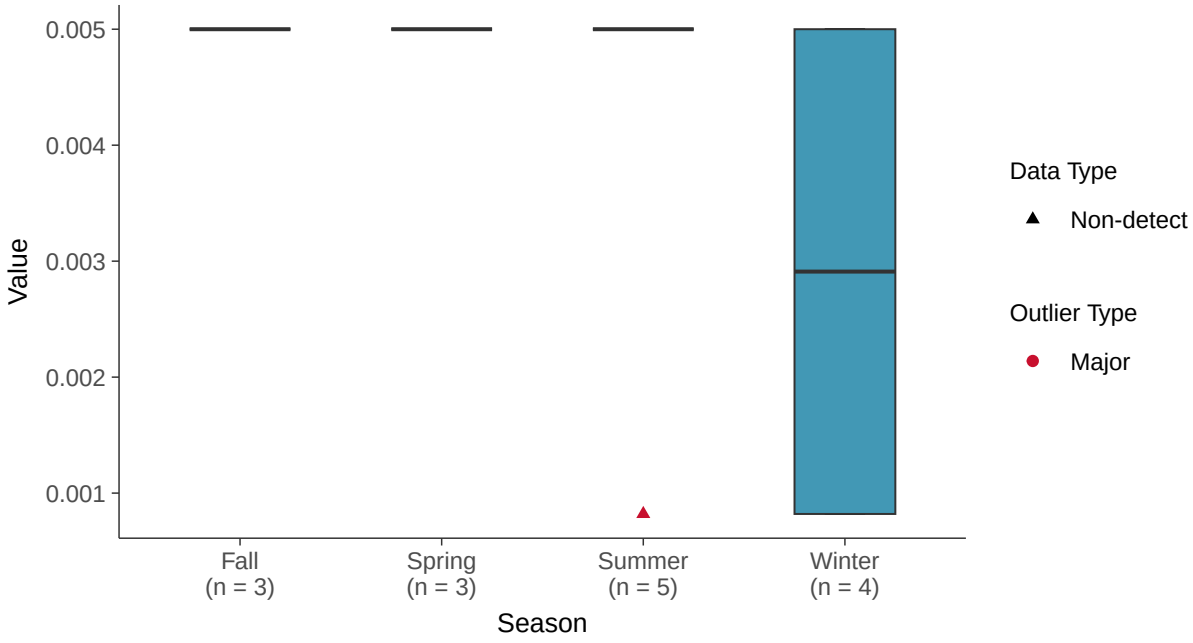
Boxplot

Vanadium, MW-7C (mg/l)



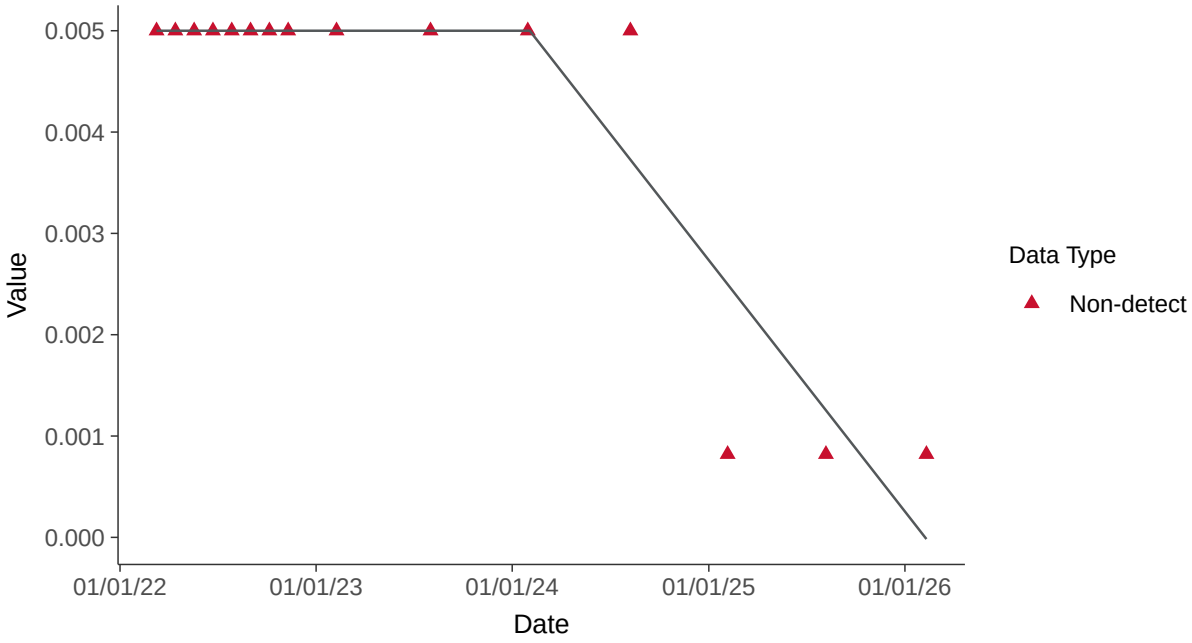
Boxplot by Season

Vanadium, MW-7C (mg/l)



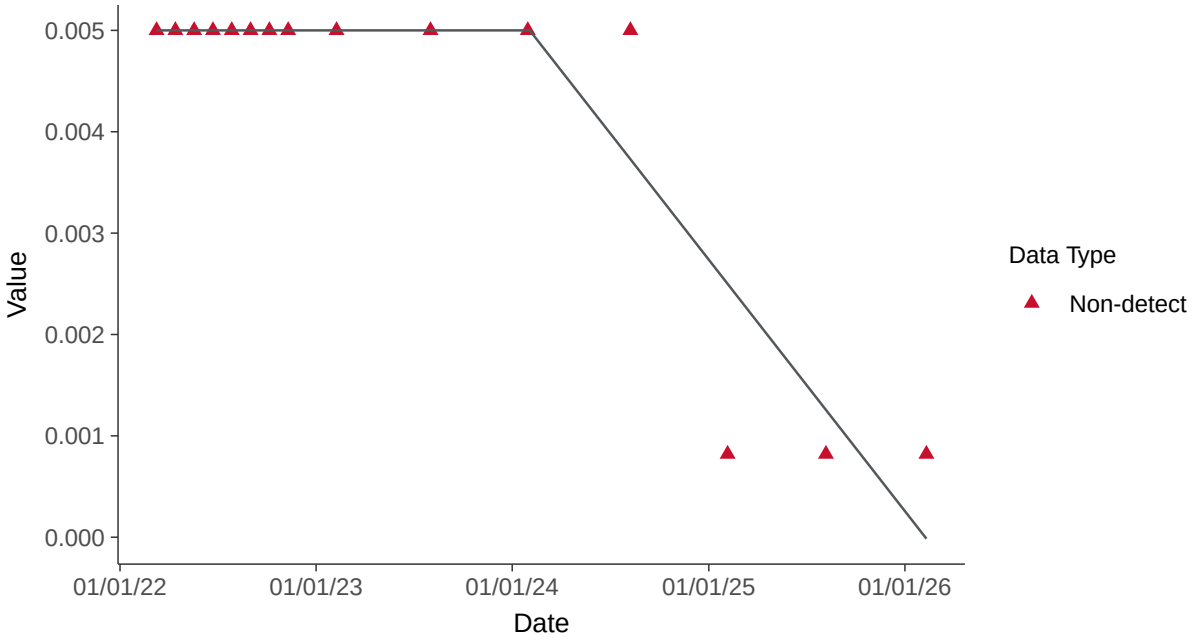
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-7C (mg/l)



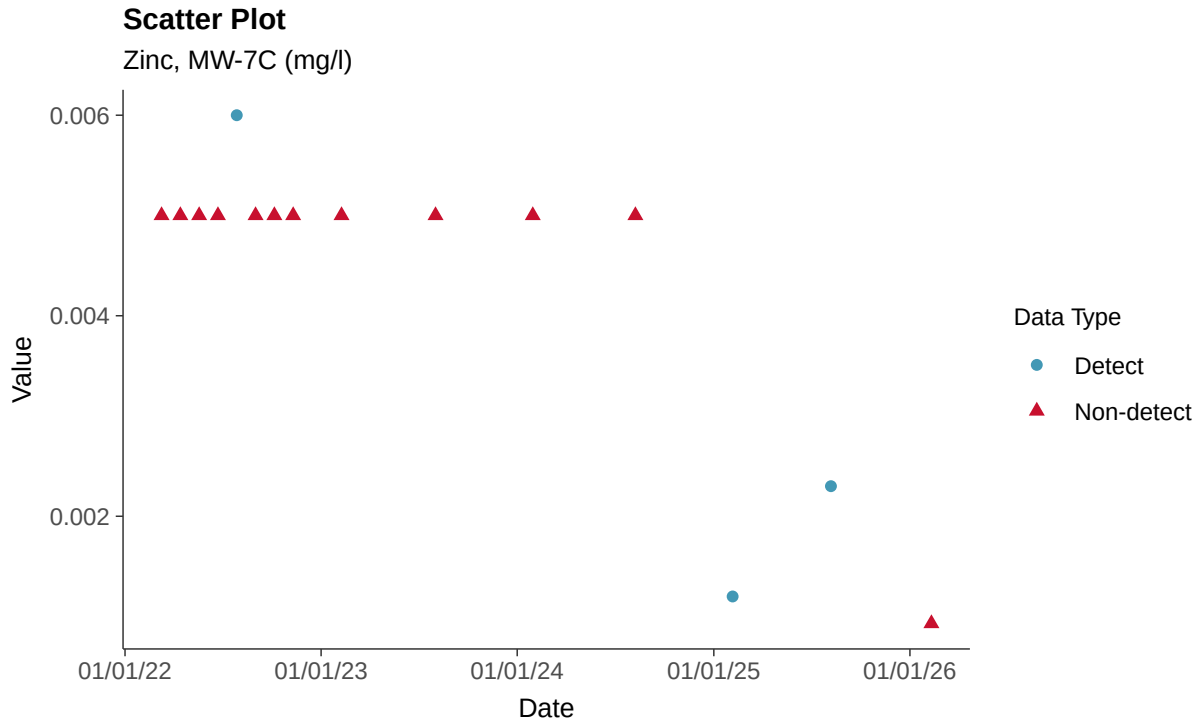
Trend Regression: Piecewise Linear-Linear-Linear

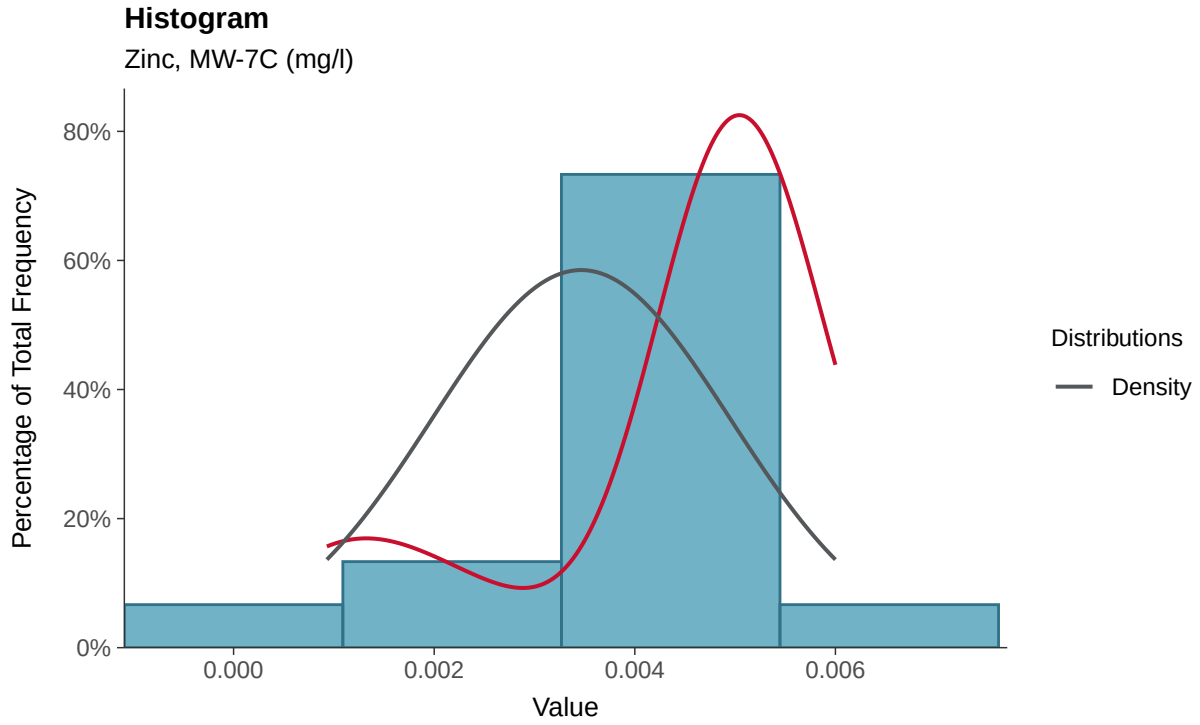
Vanadium, MW-7C (mg/l)



Part 115: Zinc, MW-7C

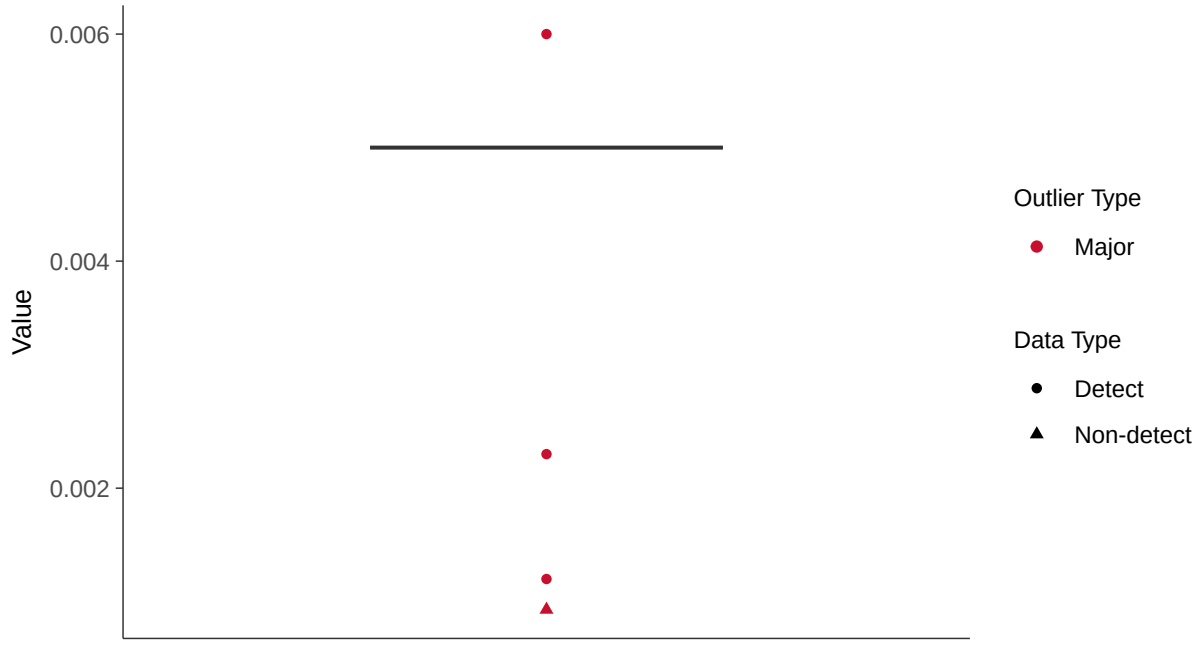
ID: 16_5_129





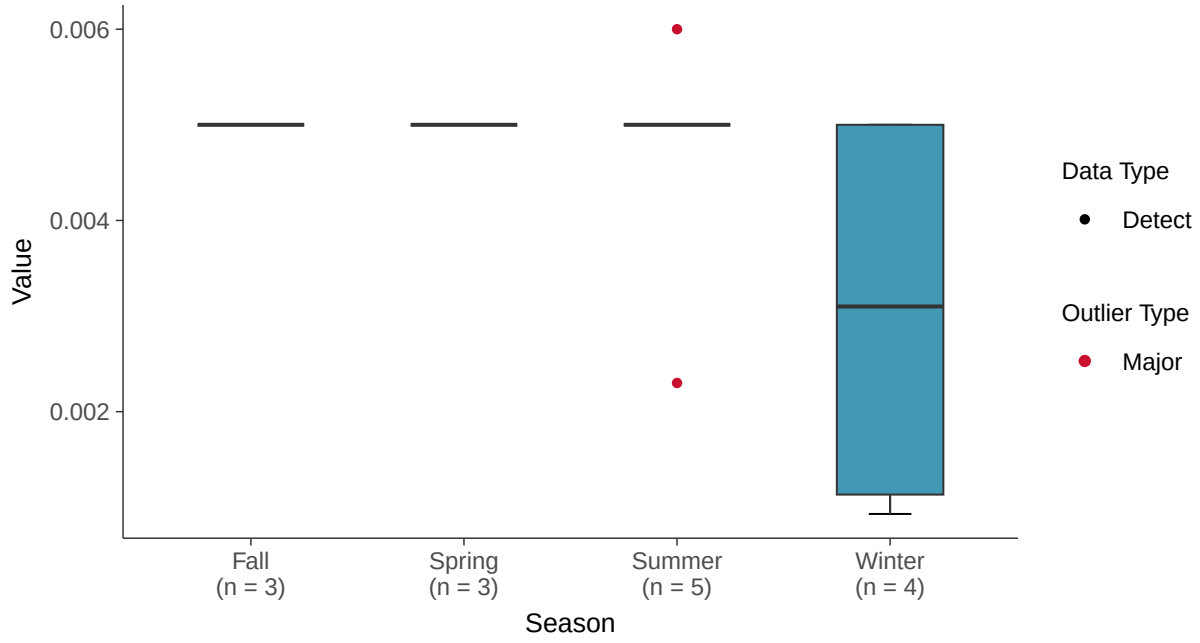
Boxplot

Zinc, MW-7C (mg/l)



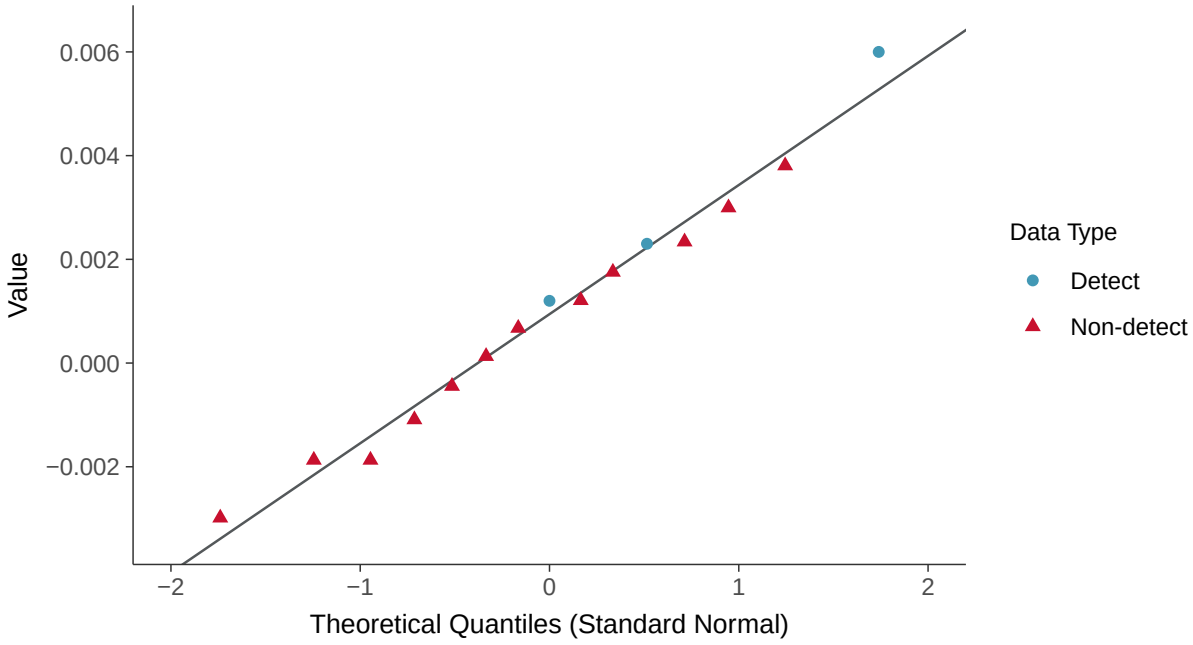
Boxplot by Season

Zinc, MW-7C (mg/l)



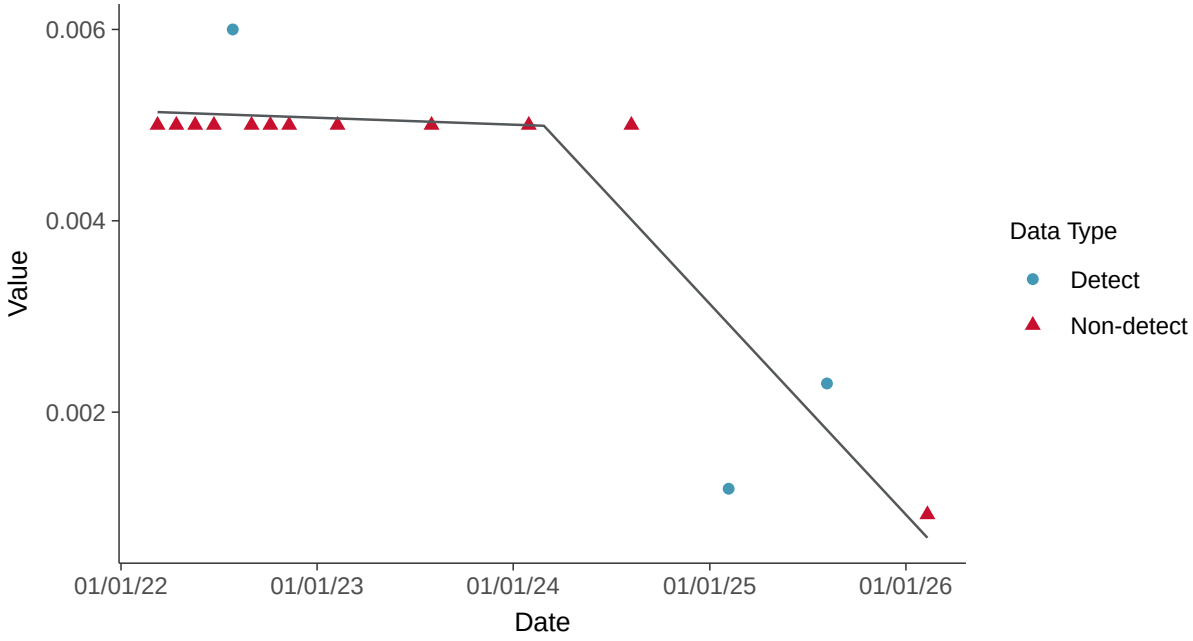
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-7C (mg/l)



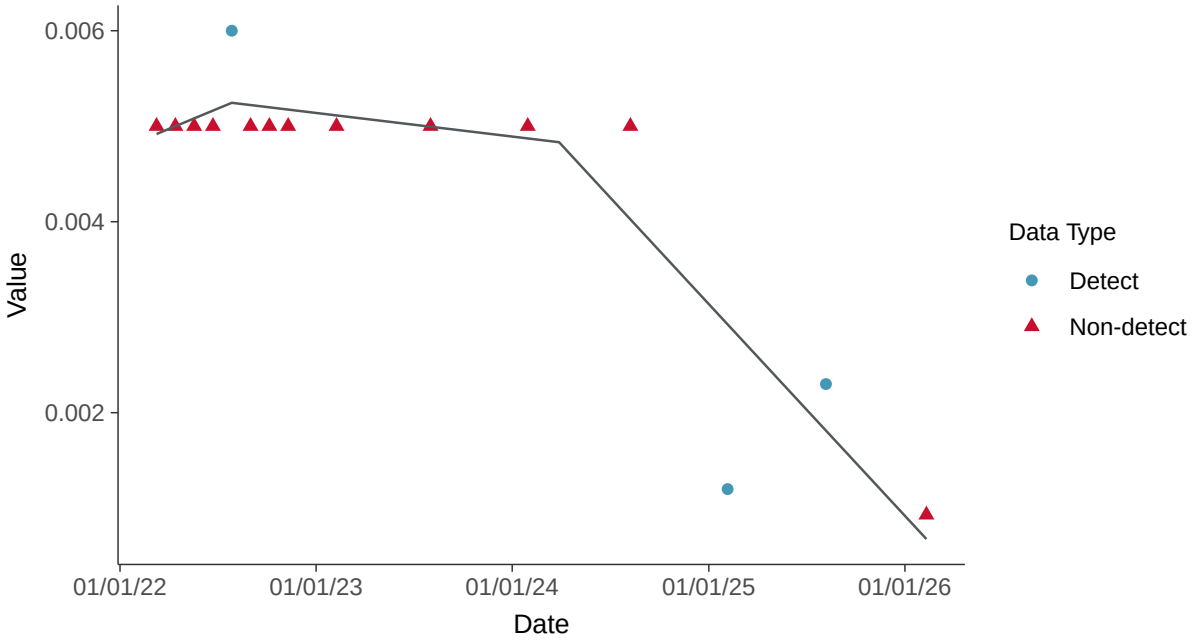
Trend Regression: Piecewise Linear-Linear

Zinc, MW-7C (mg/l)



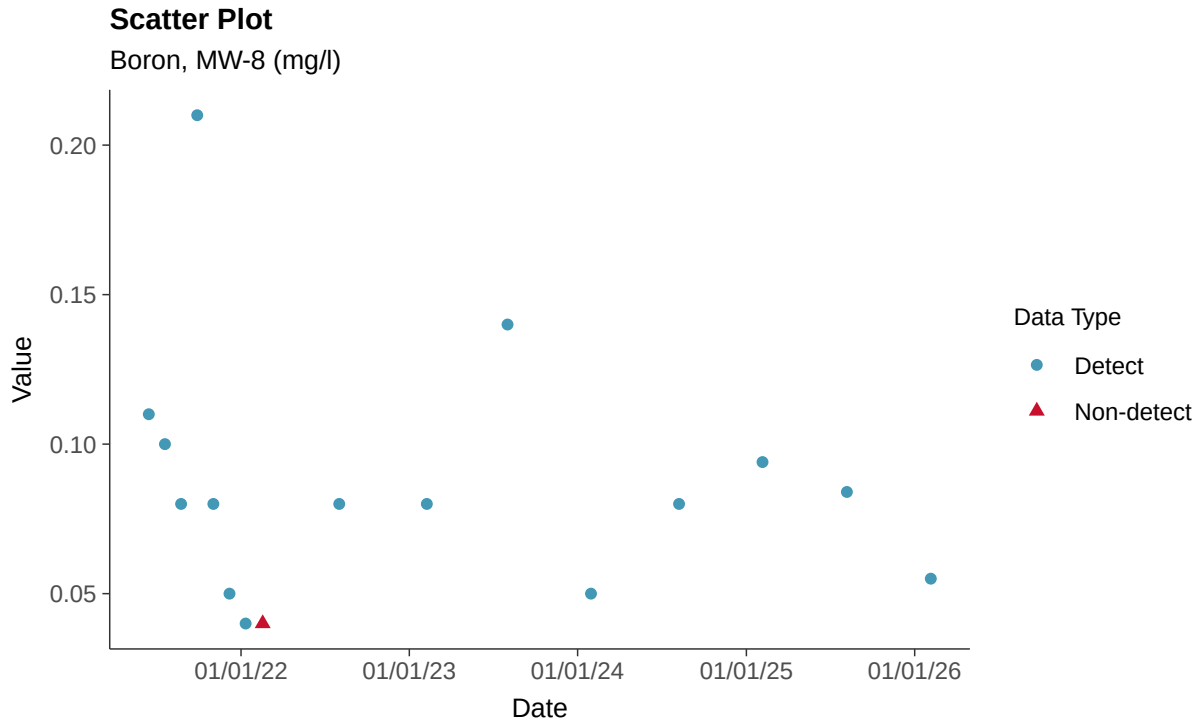
Trend Regression: Piecewise Linear-Linear-Linear

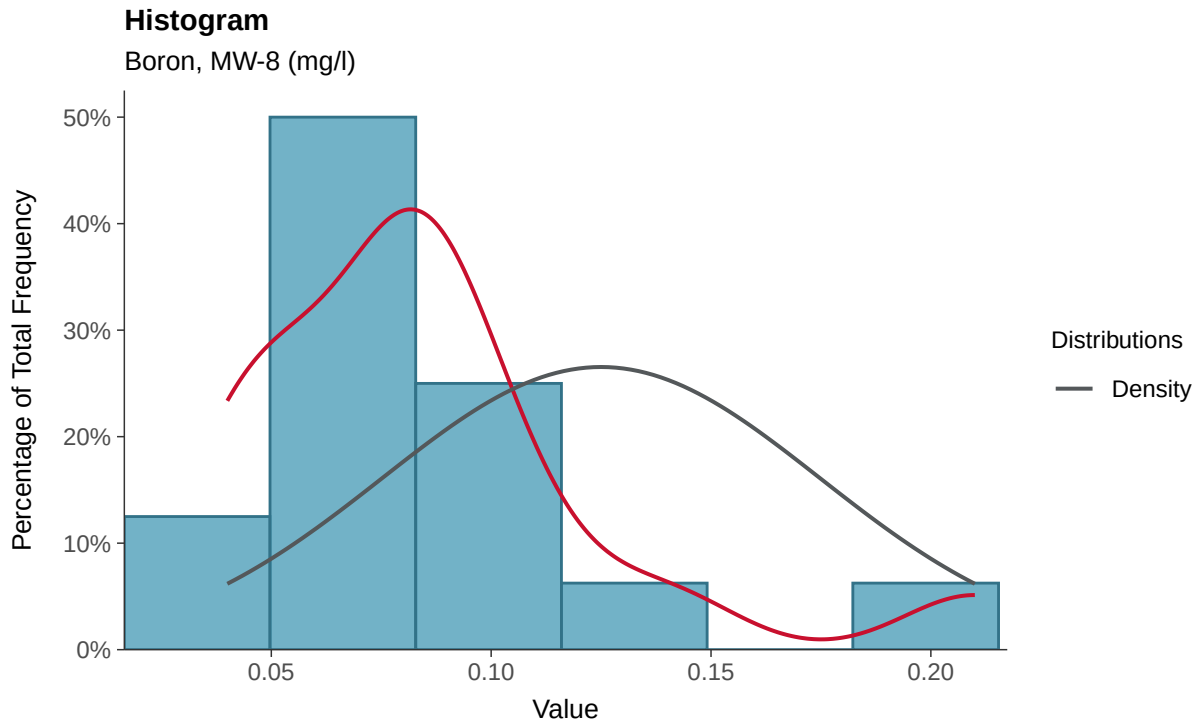
Zinc, MW-7C (mg/l)



Appendix III: Boron, MW-8

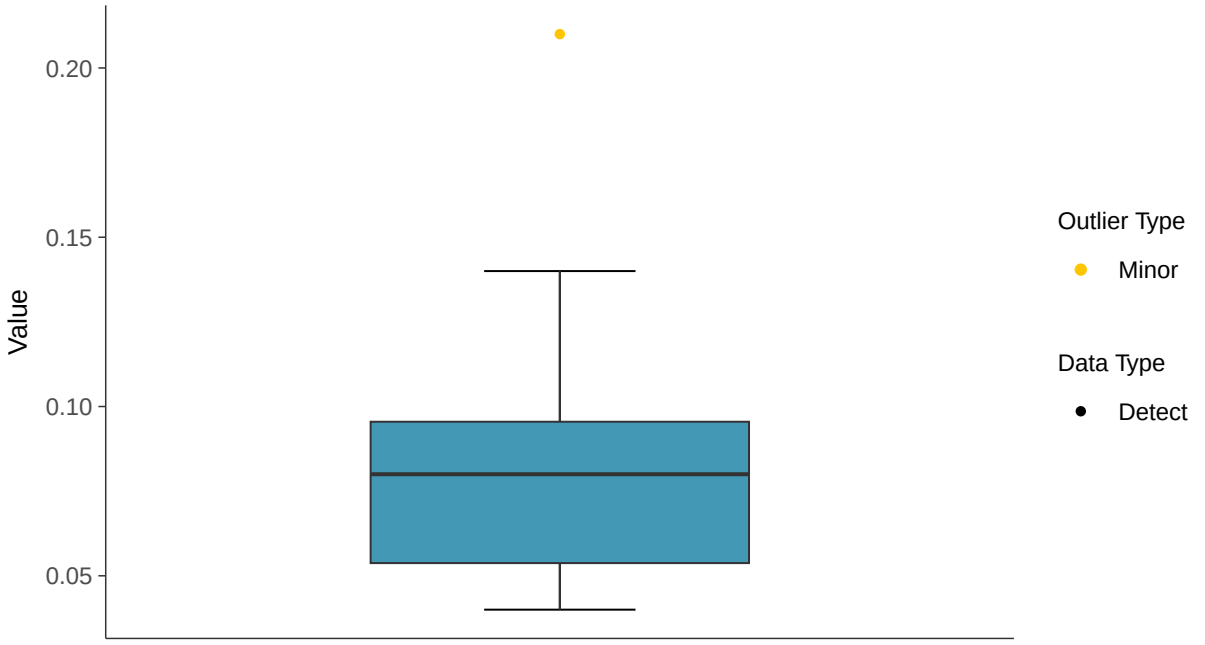
ID: 17_2_105





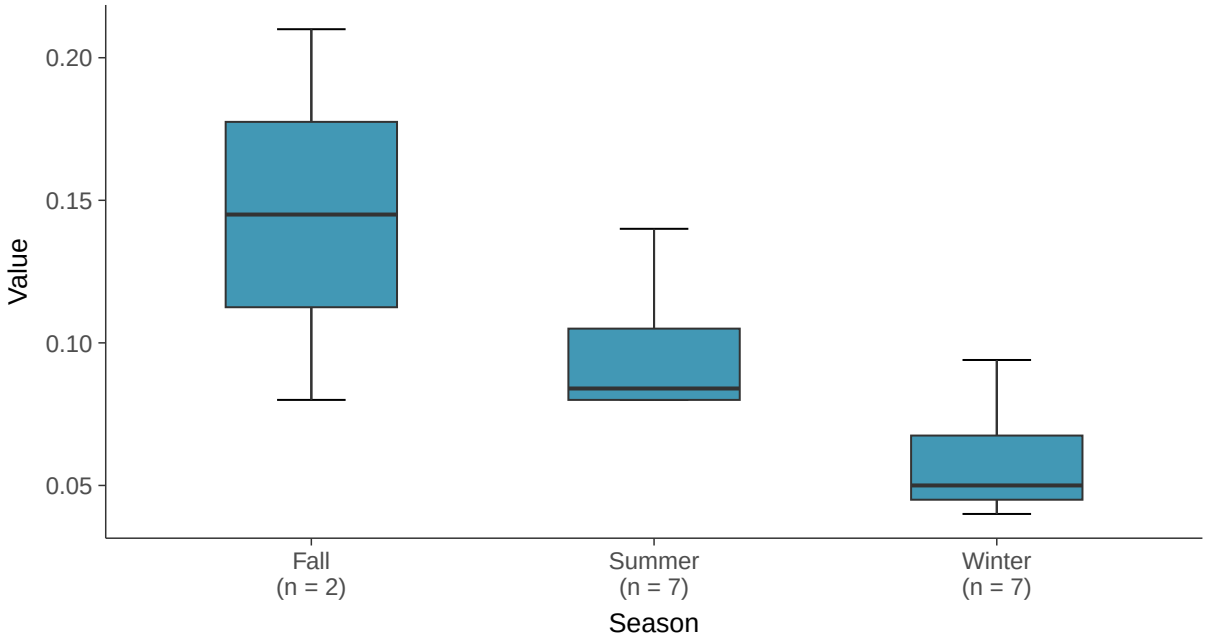
Boxplot

Boron, MW-8 (mg/l)



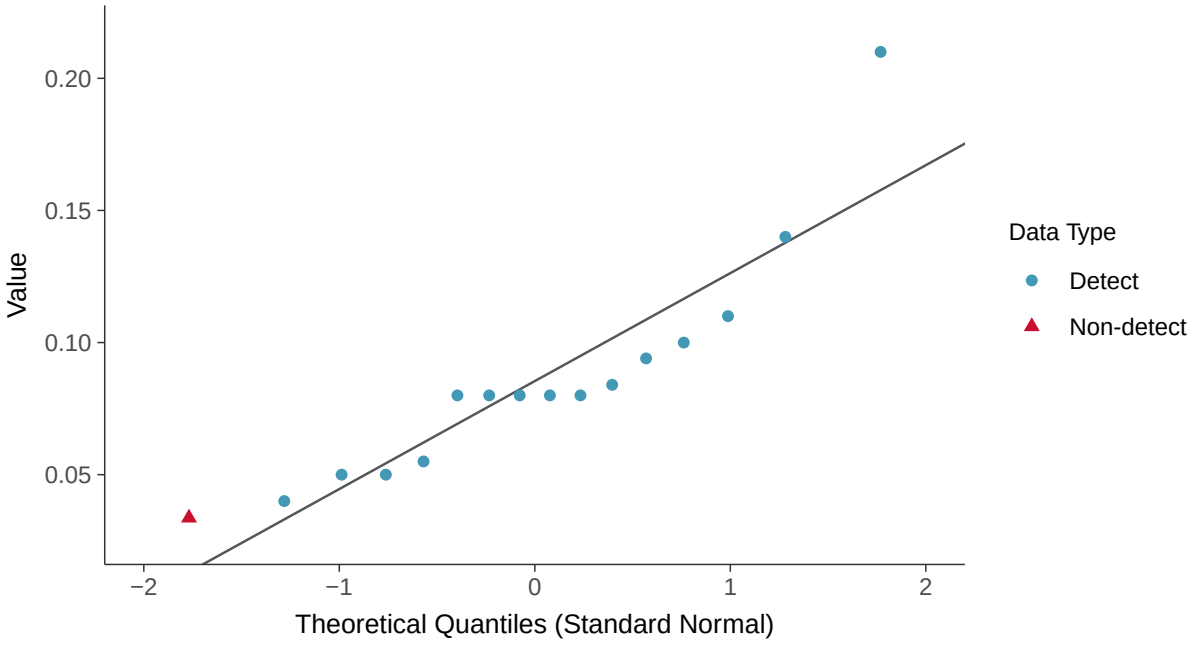
Boxplot by Season

Boron, MW-8 (mg/l)



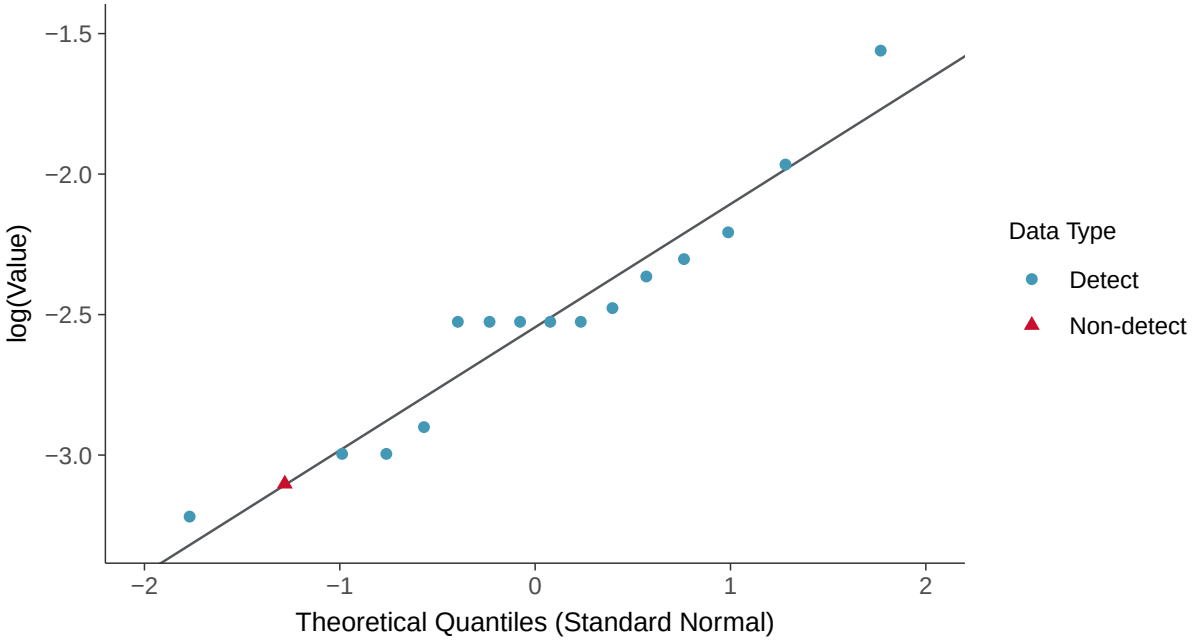
Normal Q-Q plot using ROS Imputed Estimates

Boron, MW-8 (mg/l)



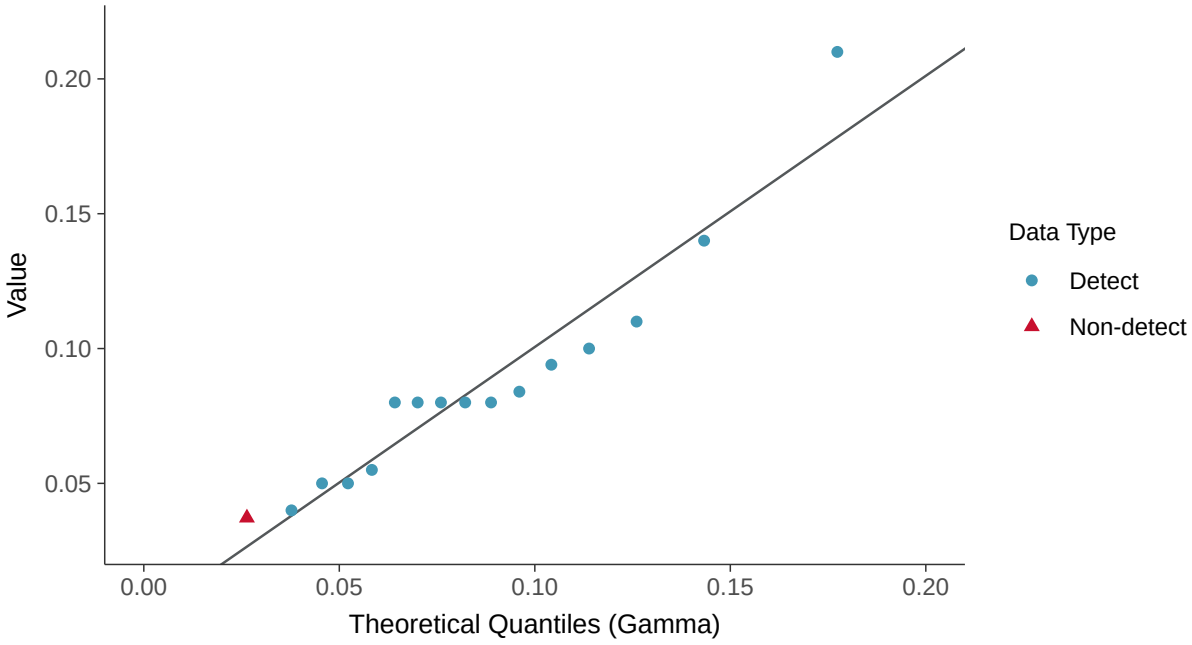
Lognormal Q-Q plot using ROS Imputed Estimates

Boron, MW-8 (mg/l)



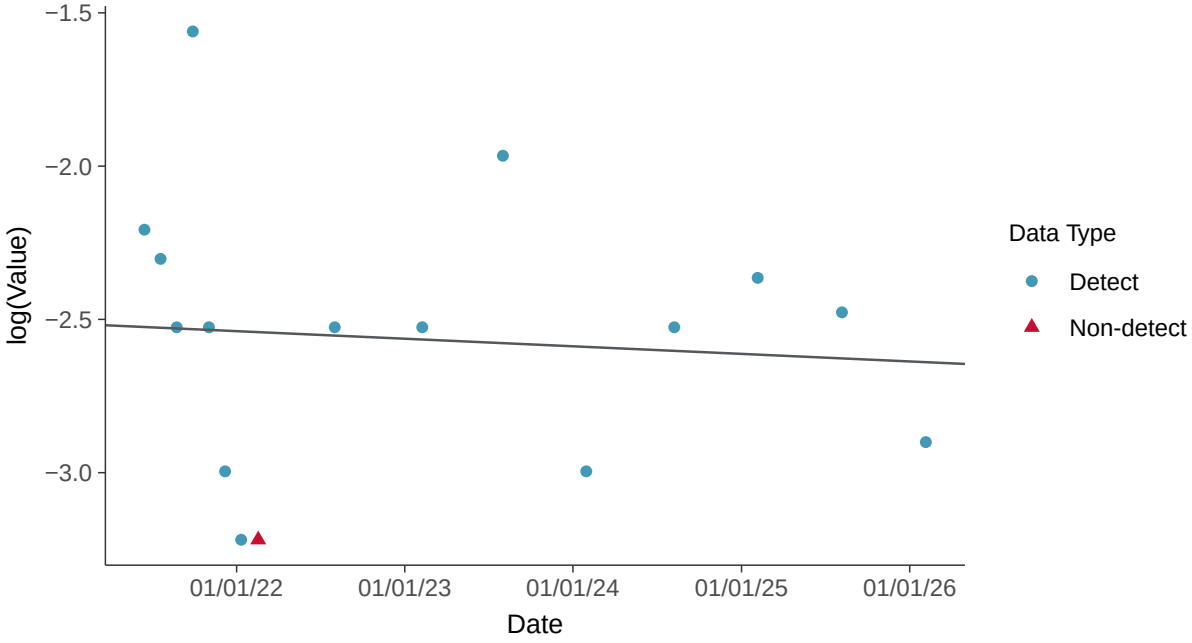
Gamma Q-Q plot using ROS Imputed Estimates

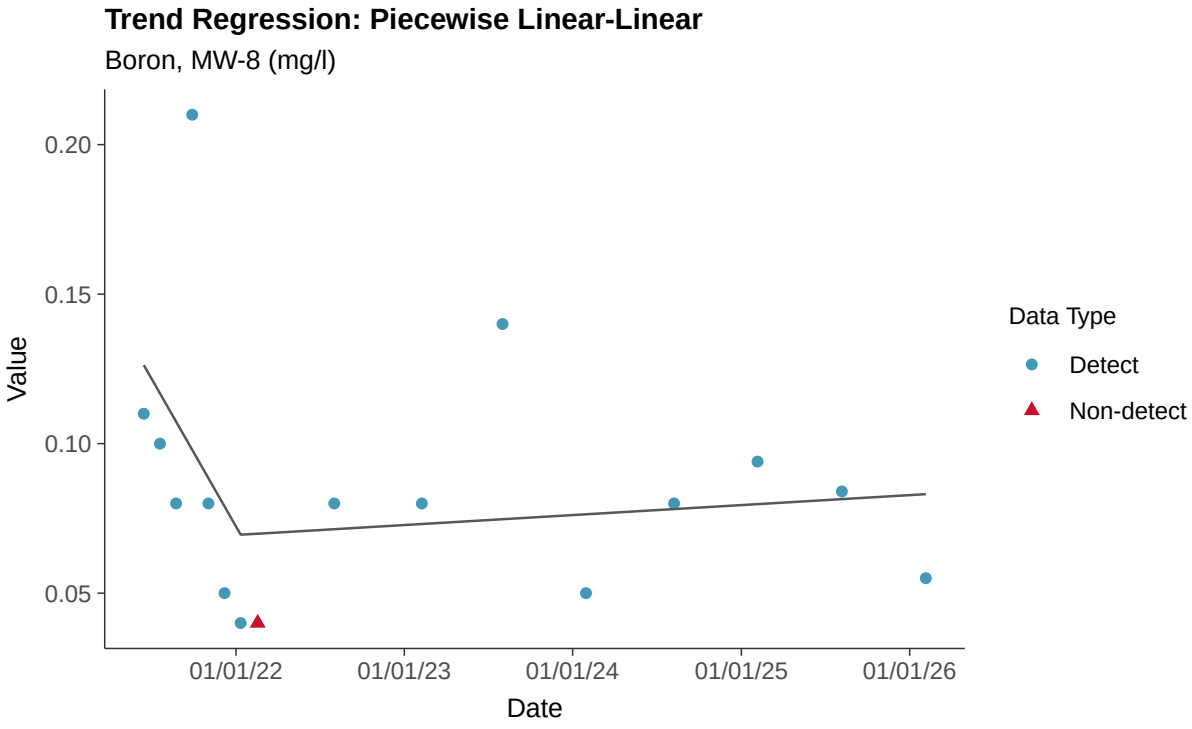
Boron, MW-8 (mg/l)



Trend Regression: Lognormal MLE

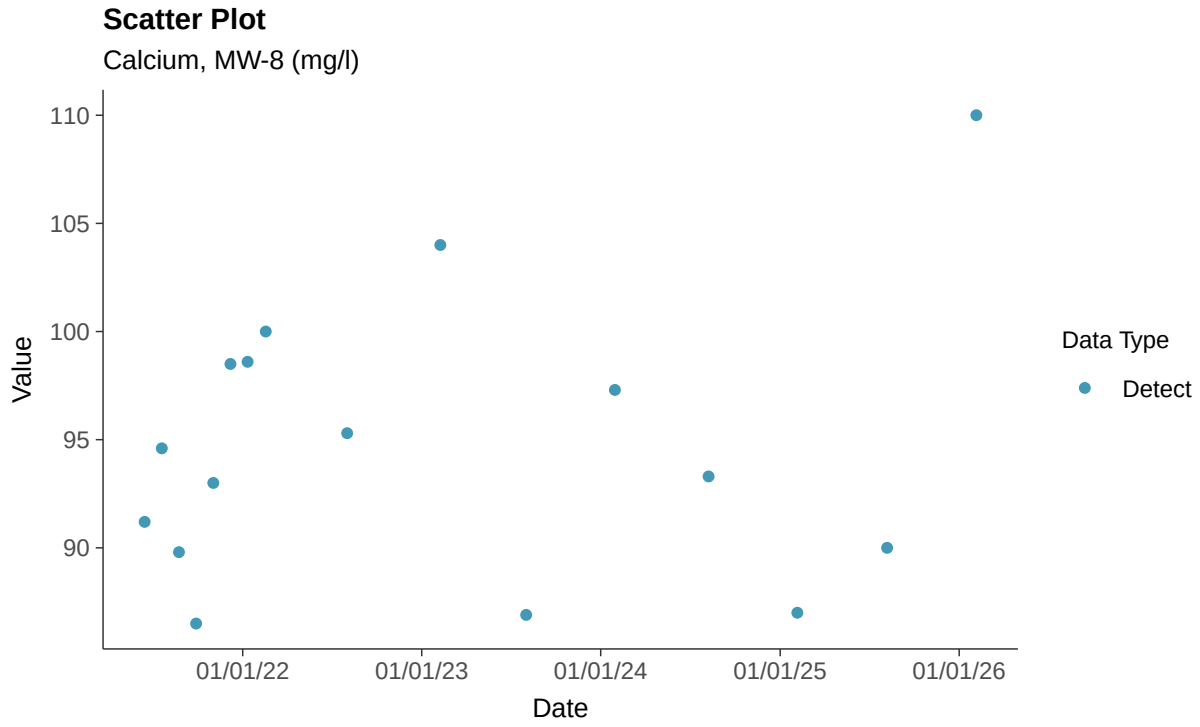
Boron, MW-8 (mg/l)

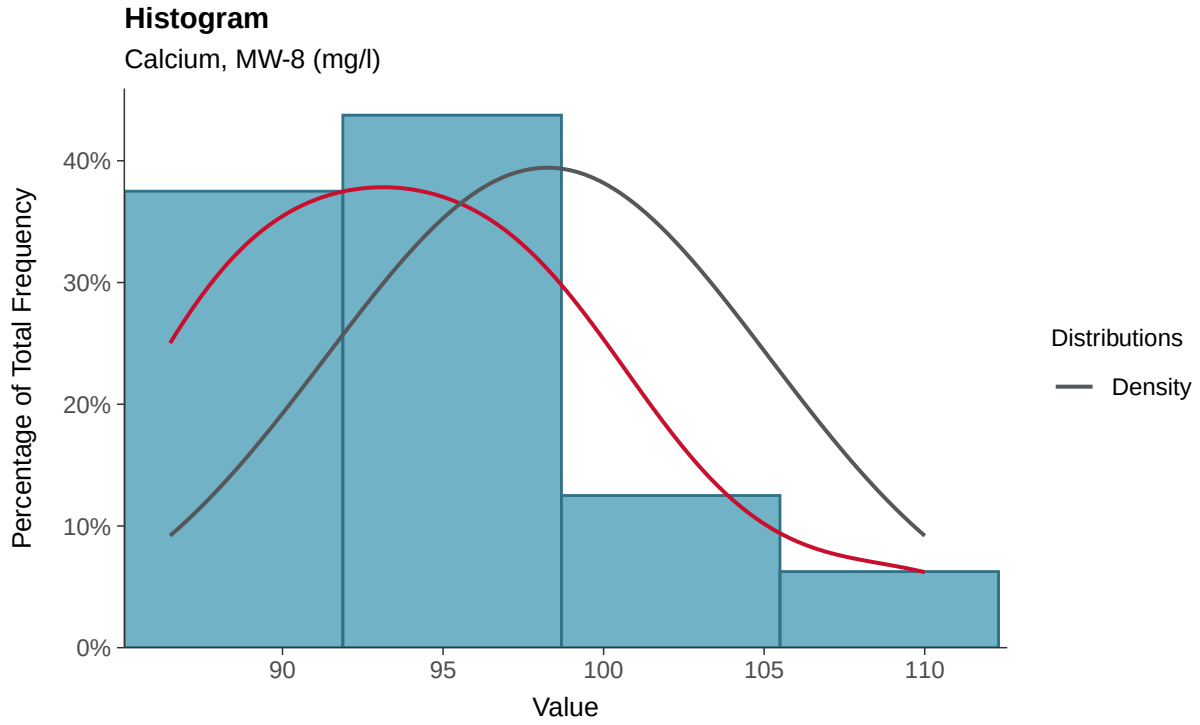



Trend Regression: Piecewise Linear-Linear
Boron, MW-8 (mg/l)
Value
0.20
0.15
0.10
0.05
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: Calcium, MW-8

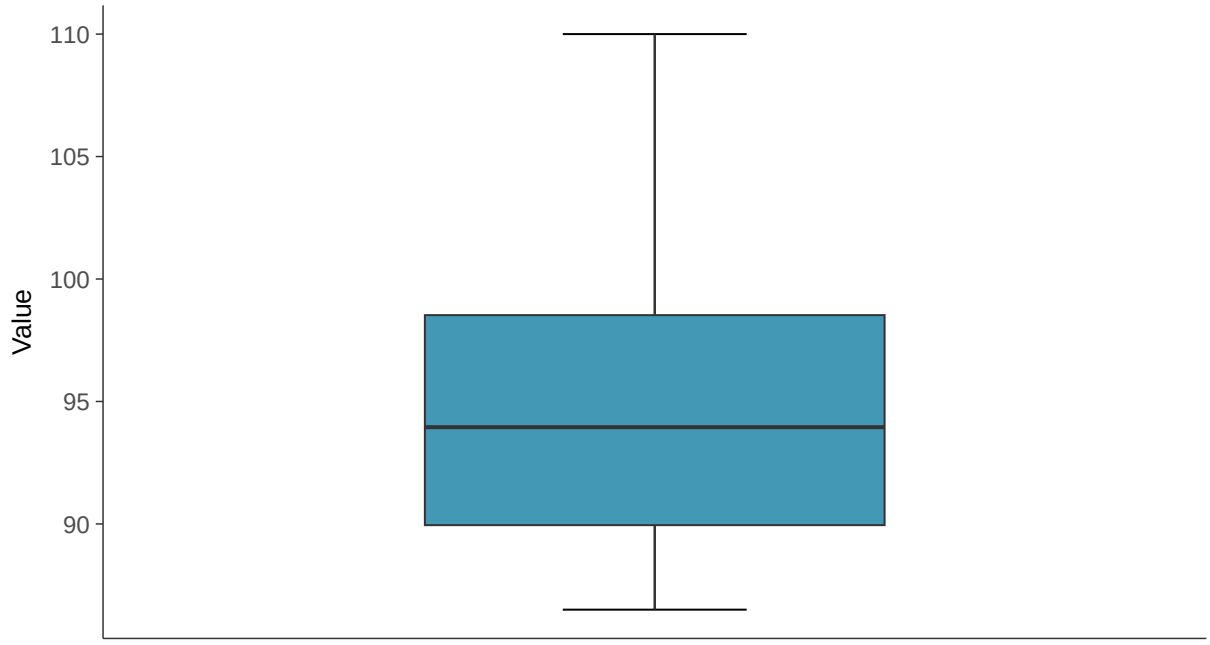
ID: 17_2_107





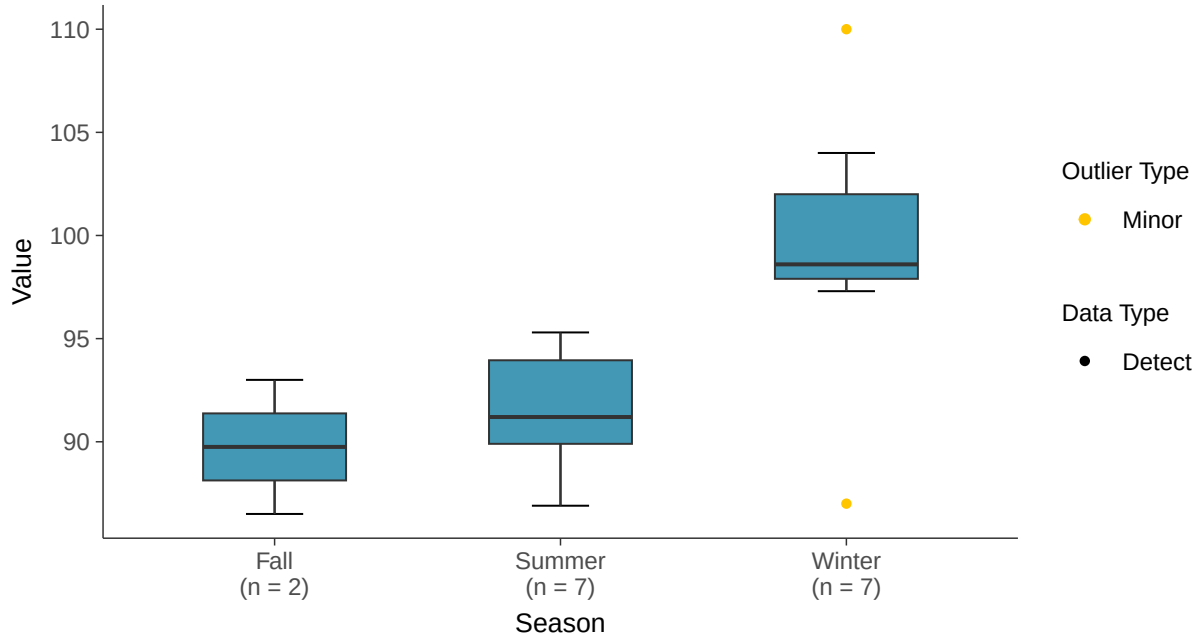
Boxplot

Calcium, MW-8 (mg/l)



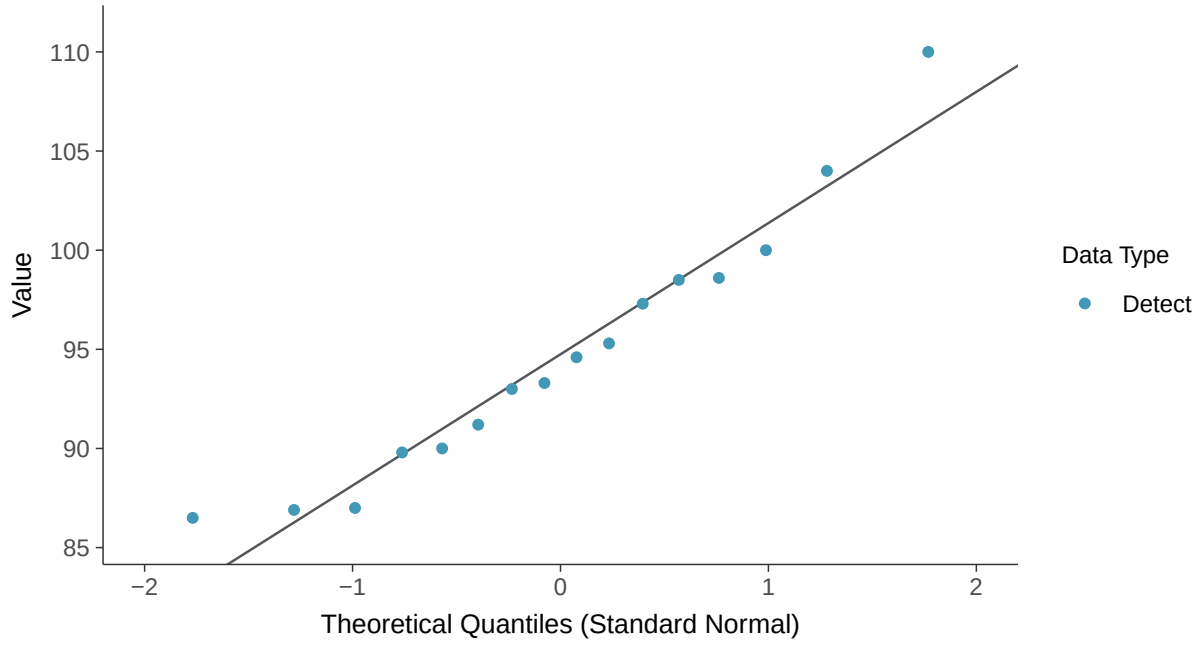
Boxplot by Season

Calcium, MW-8 (mg/l)



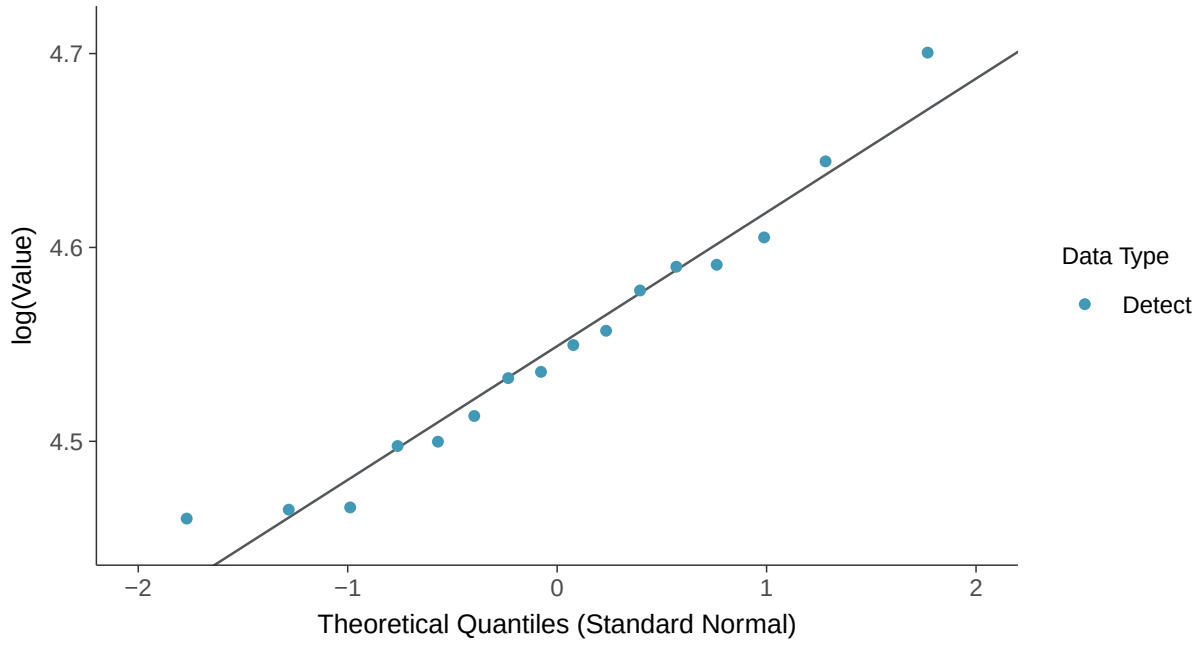
Normal Q-Q plot

Calcium, MW-8 (mg/l)



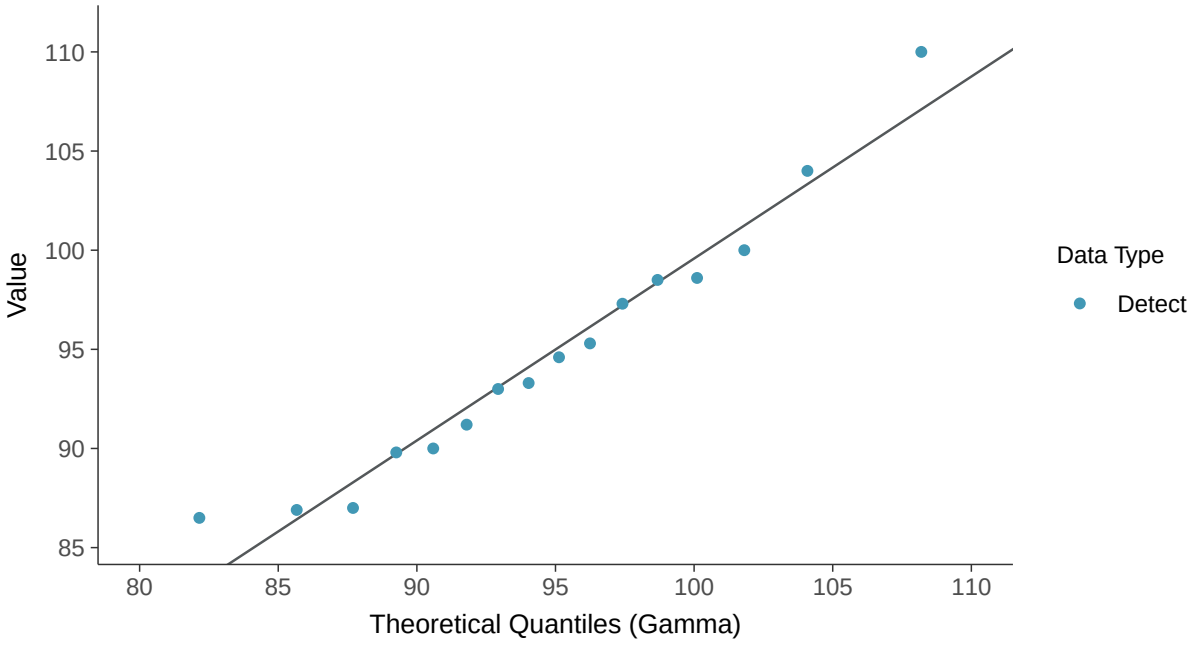
Lognormal Q-Q plot

Calcium, MW-8 (mg/l)



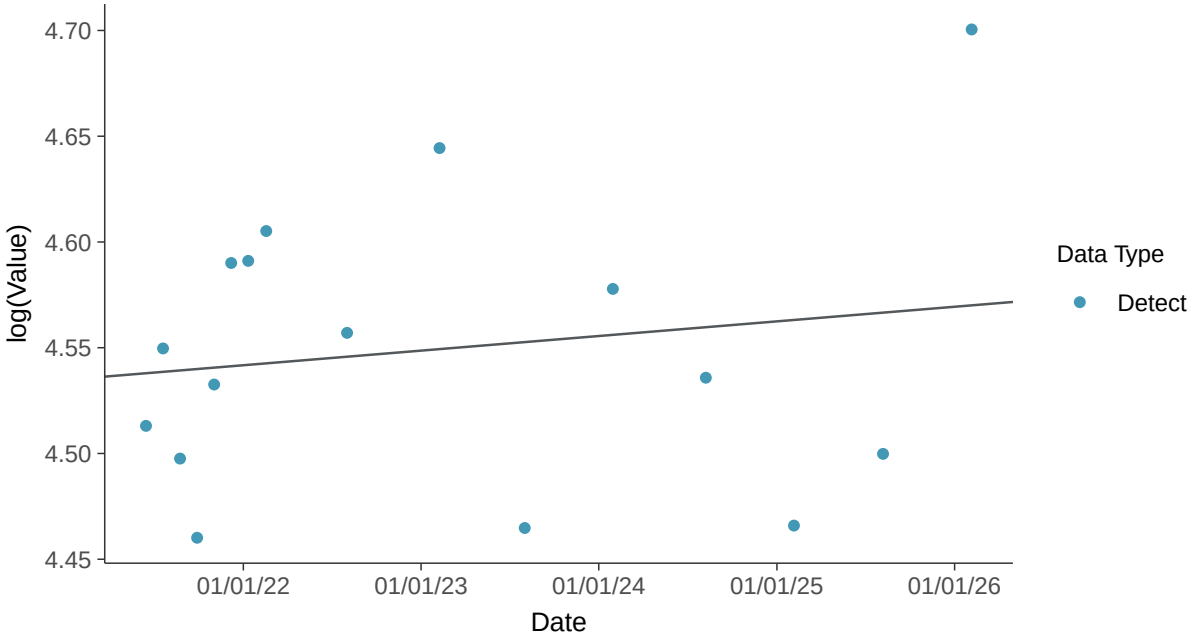
Gamma Q-Q plot

Calcium, MW-8 (mg/l)



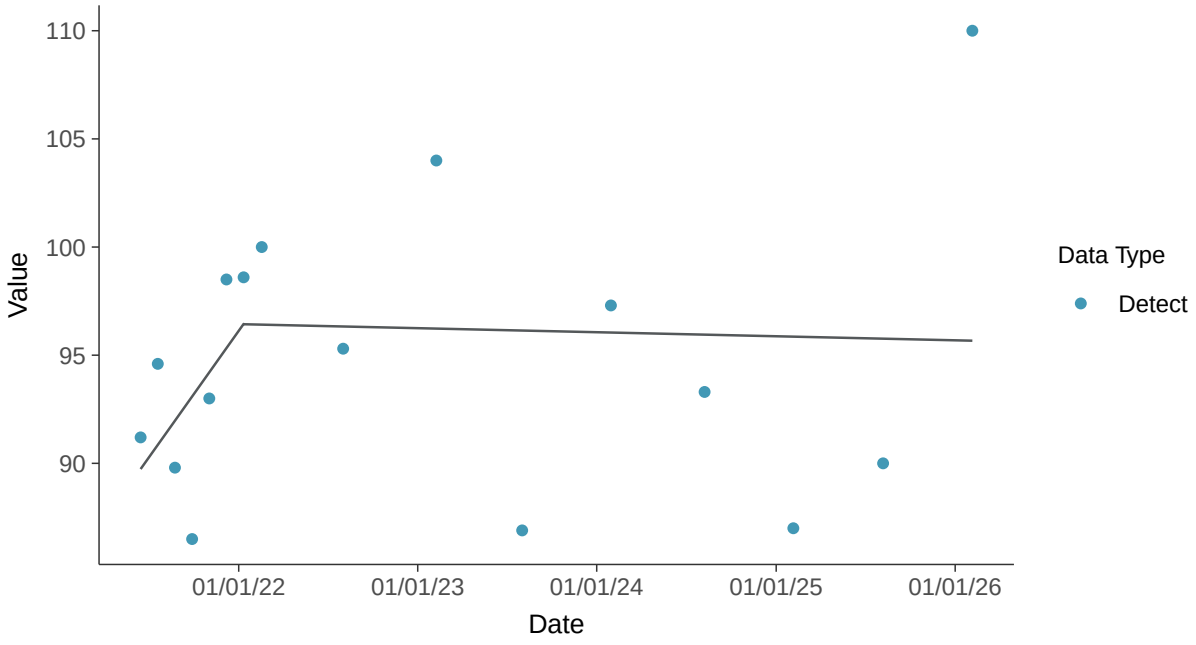
Trend Regression: Lognormal MLE

Calcium, MW-8 (mg/l)



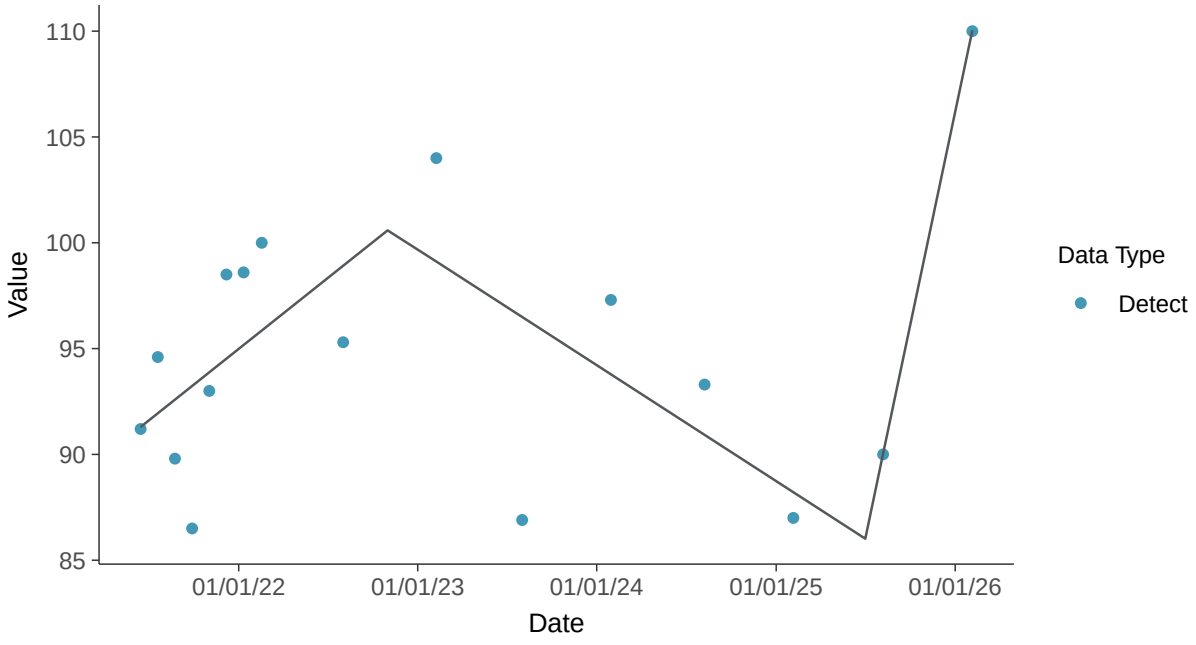
Trend Regression: Piecewise Linear-Linear

Calcium, MW-8 (mg/l)



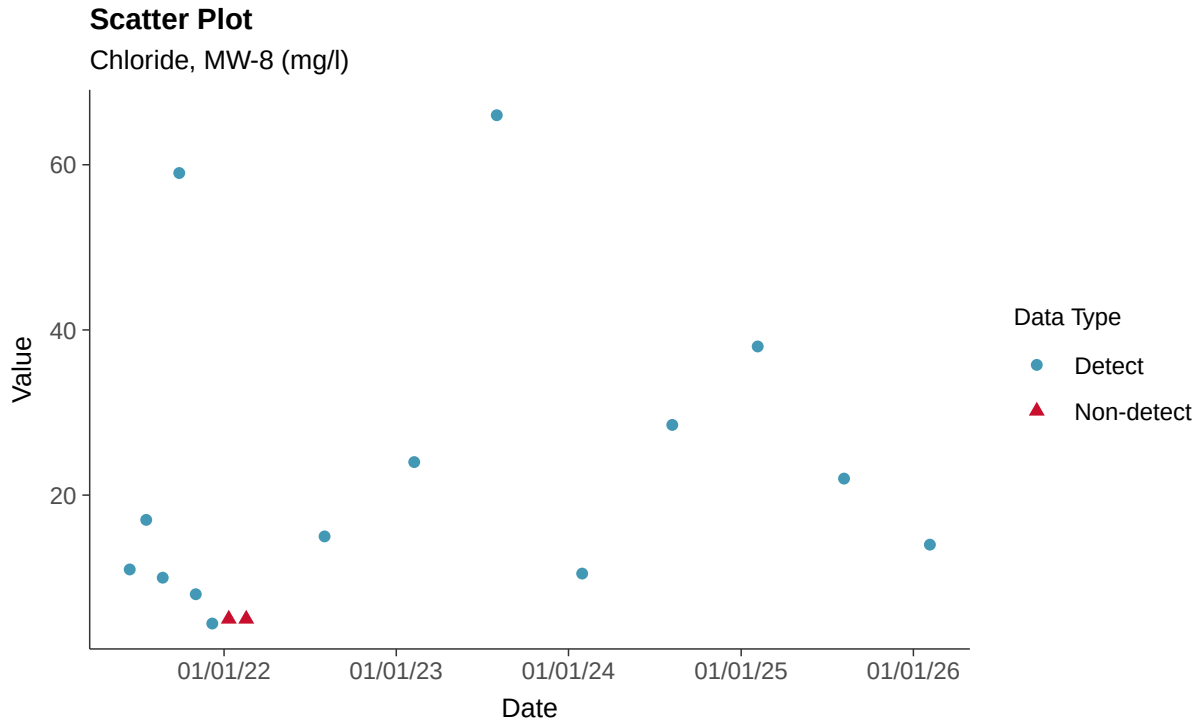
Trend Regression: Piecewise Linear-Linear-Linear

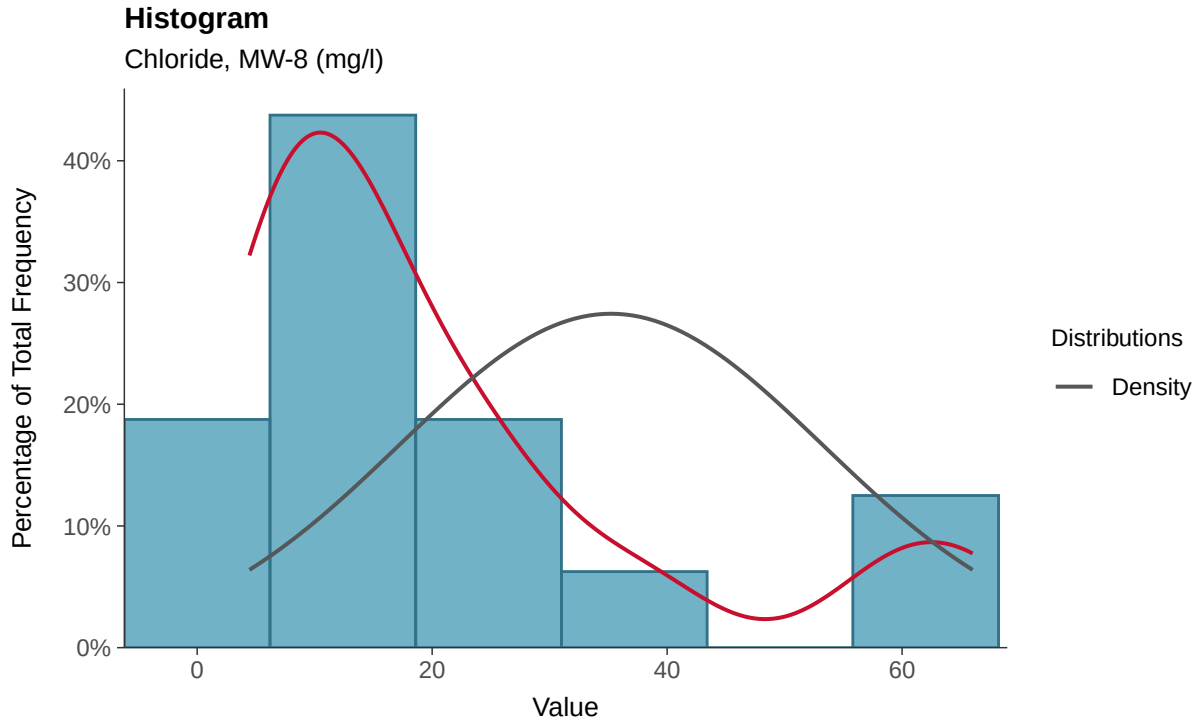
Calcium, MW-8 (mg/l)



Appendix III: Chloride, MW-8

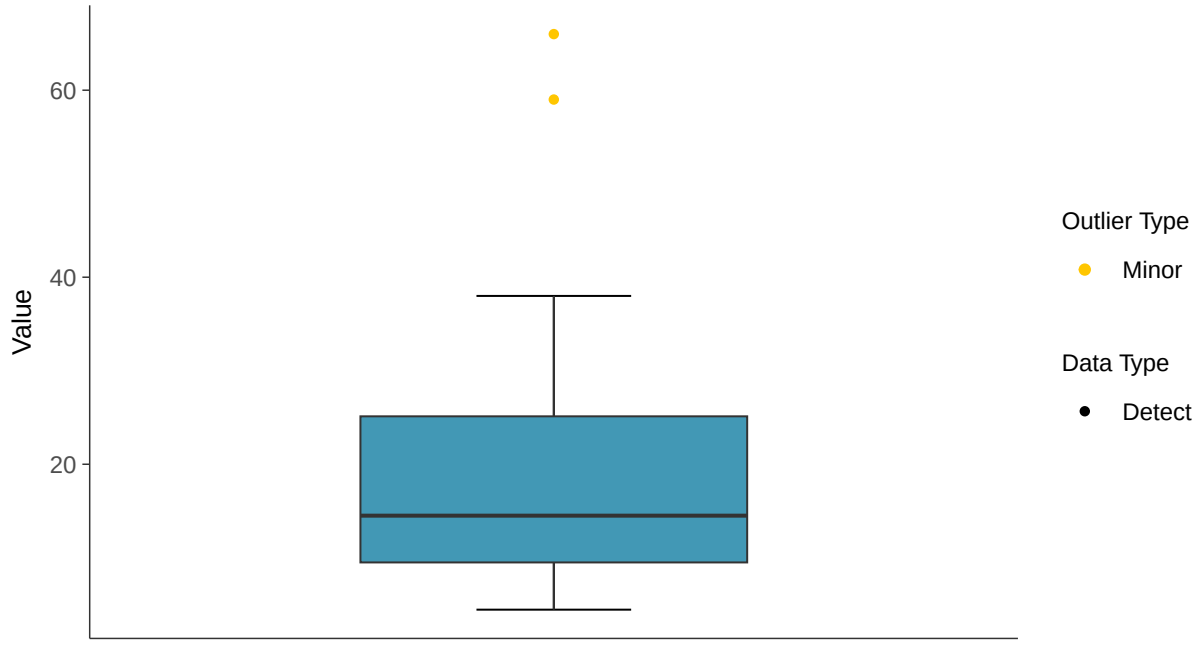
ID: 17_2_108





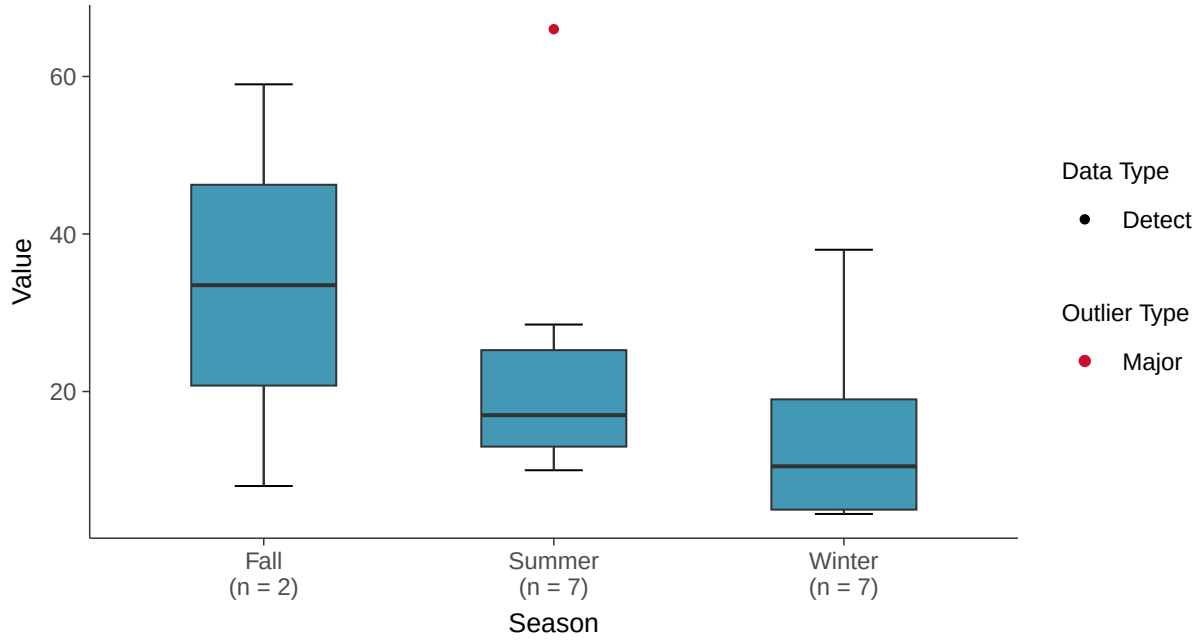
Boxplot

Chloride, MW-8 (mg/l)



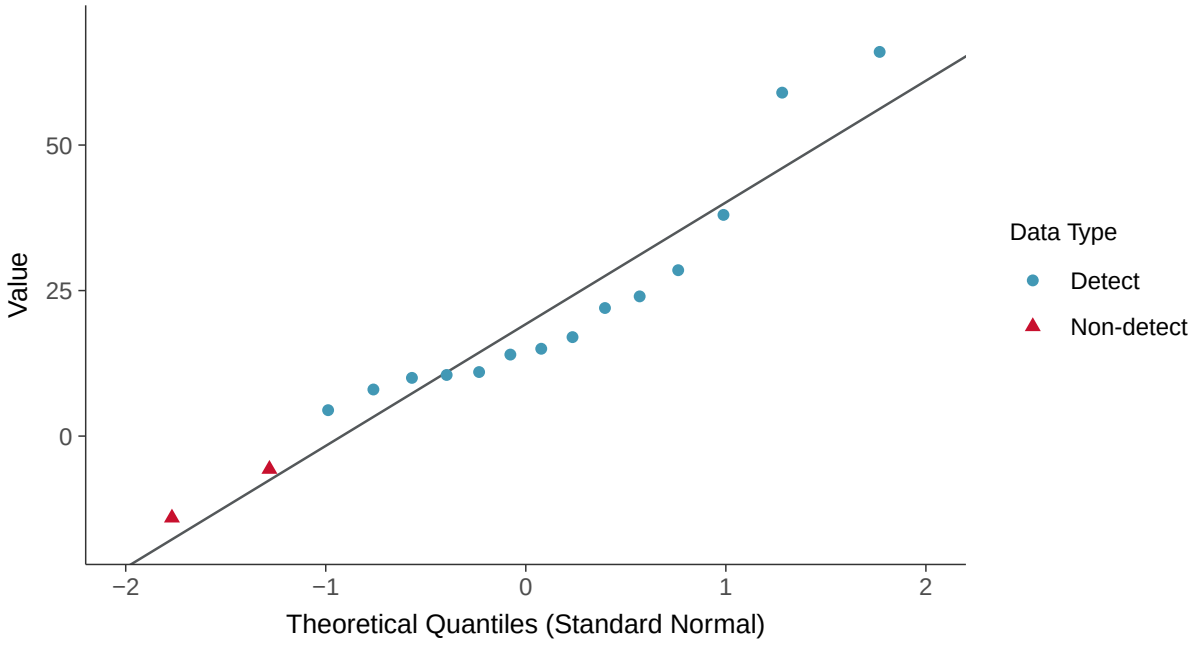
Boxplot by Season

Chloride, MW-8 (mg/l)



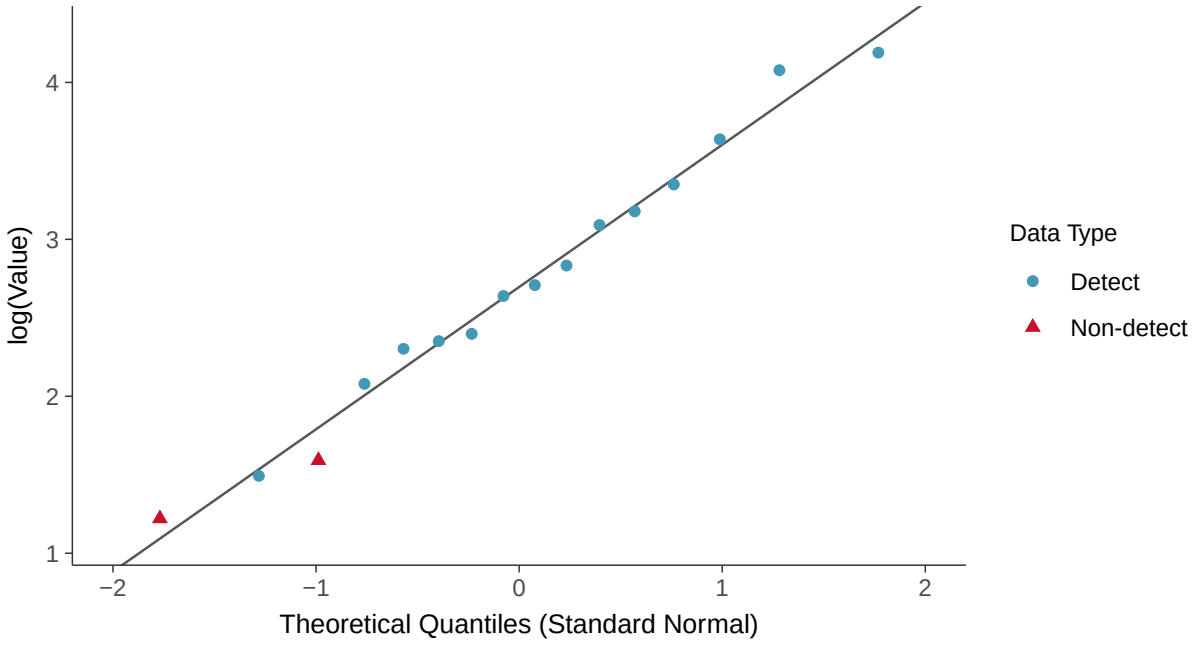
Normal Q-Q plot using ROS Imputed Estimates

Chloride, MW-8 (mg/l)



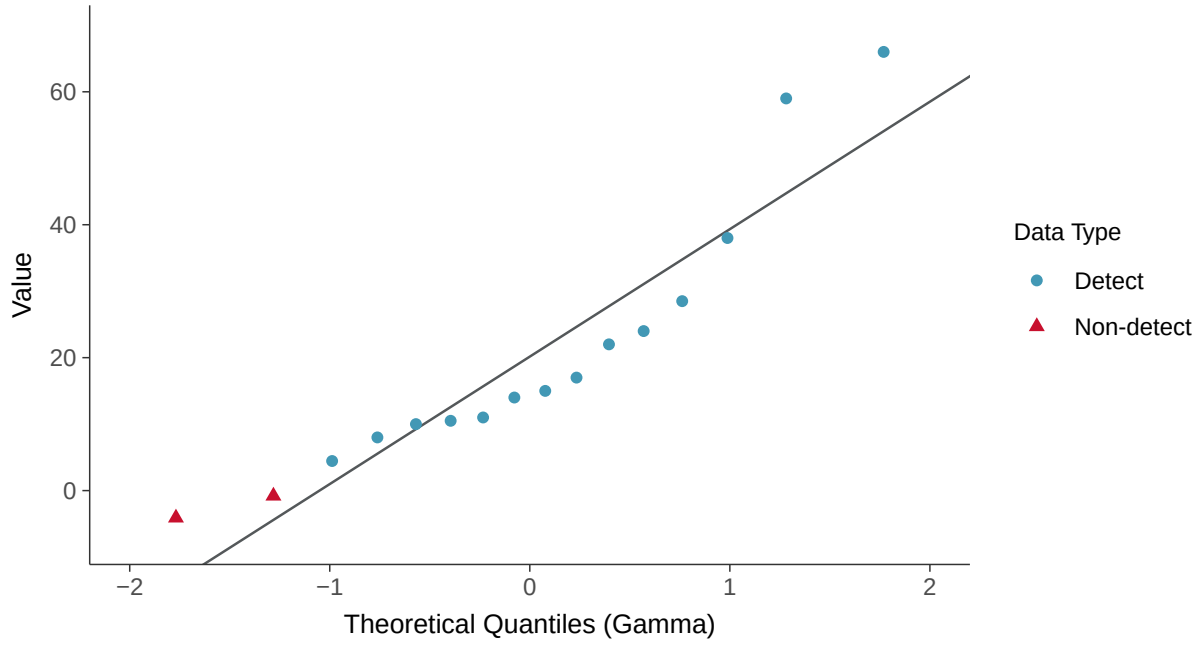
Lognormal Q-Q plot using ROS Imputed Estimates

Chloride, MW-8 (mg/l)



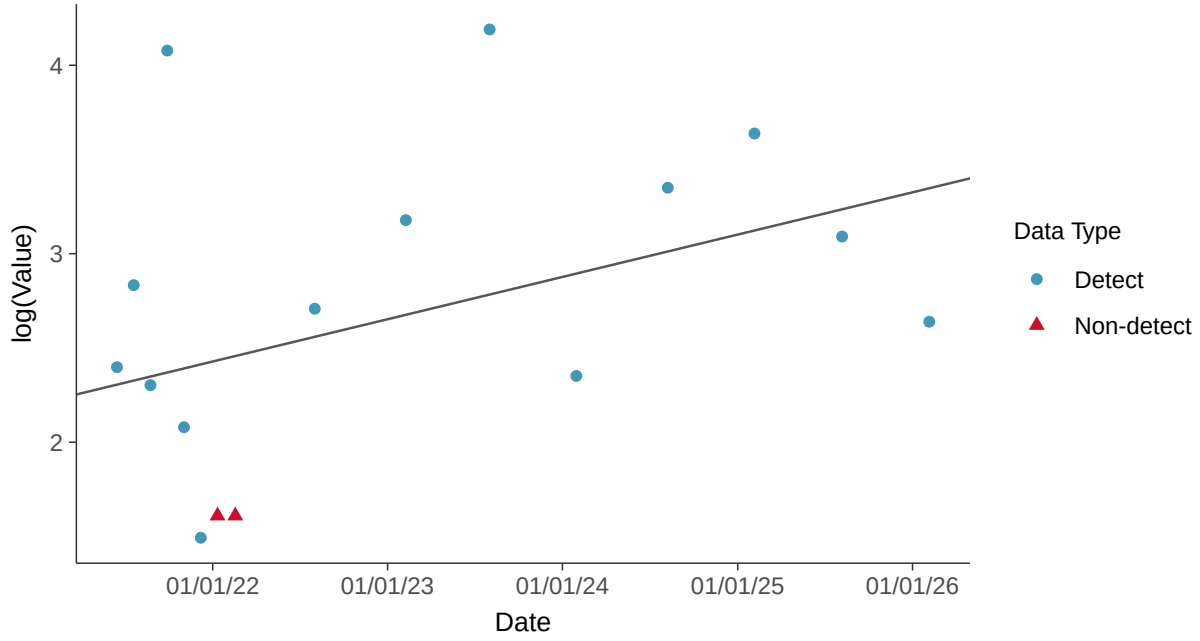
Gamma Q-Q plot using ROS Imputed Estimates

Chloride, MW-8 (mg/l)



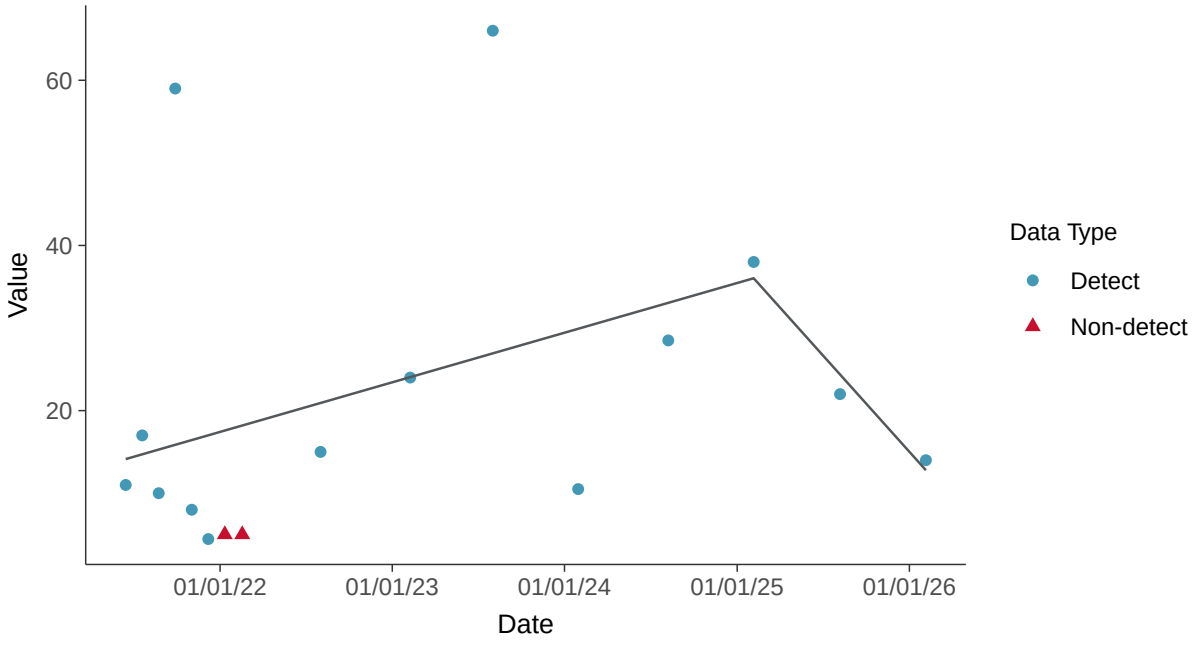
Trend Regression: Lognormal MLE

Chloride, MW-8 (mg/l)



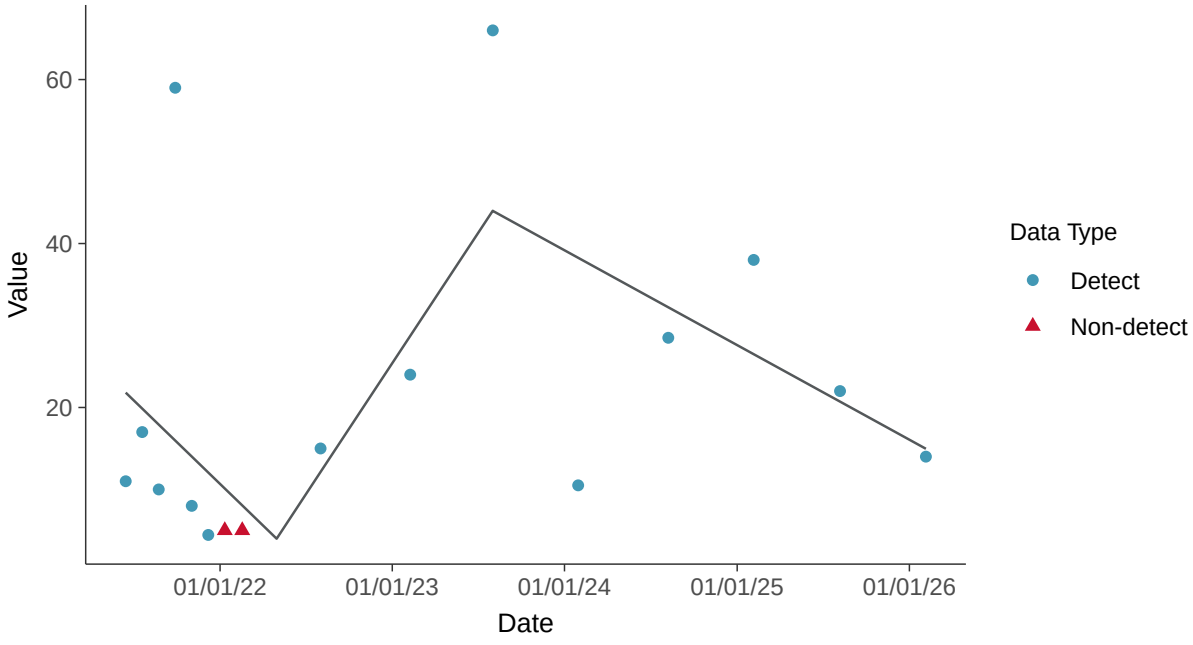
Trend Regression: Piecewise Linear-Linear

Chloride, MW-8 (mg/l)



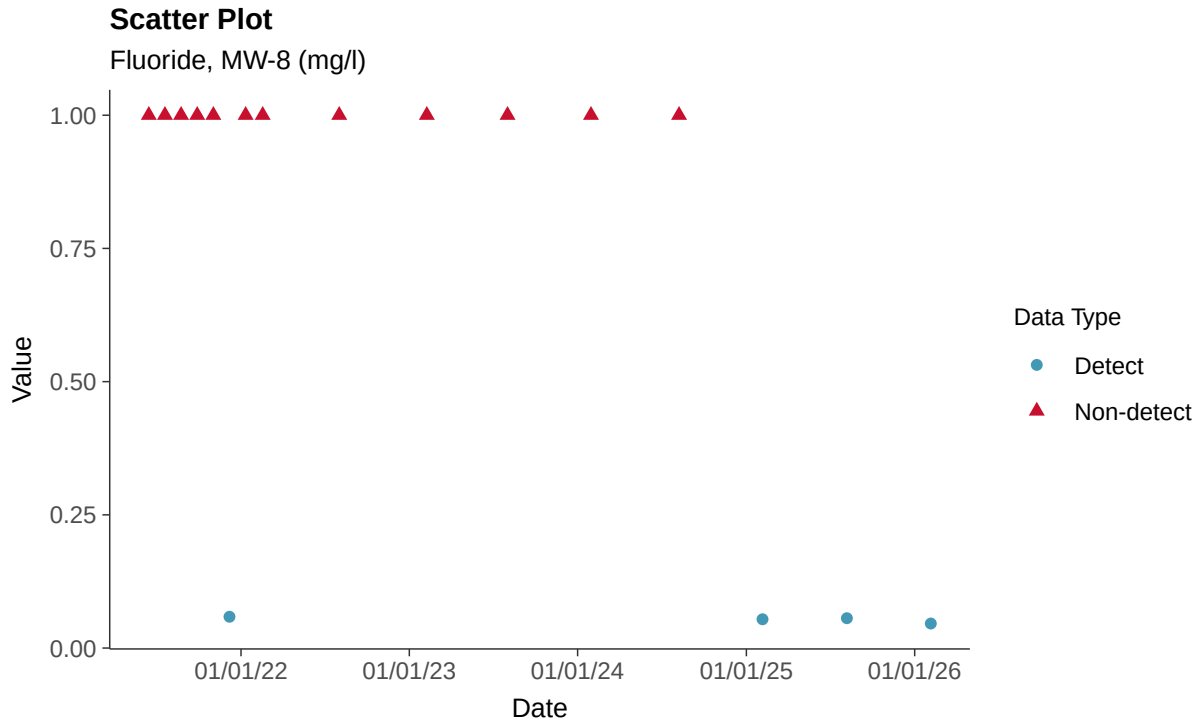
Trend Regression: Piecewise Linear-Linear-Linear

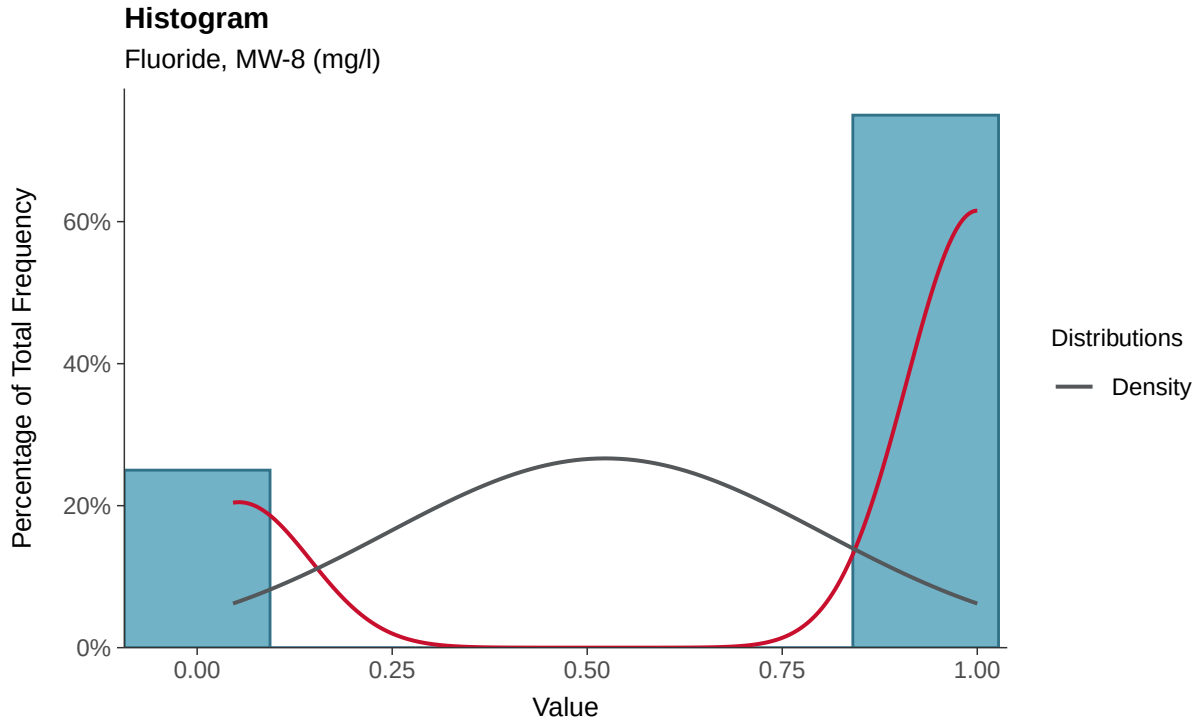
Chloride, MW-8 (mg/l)



Appendix III: Fluoride, MW-8

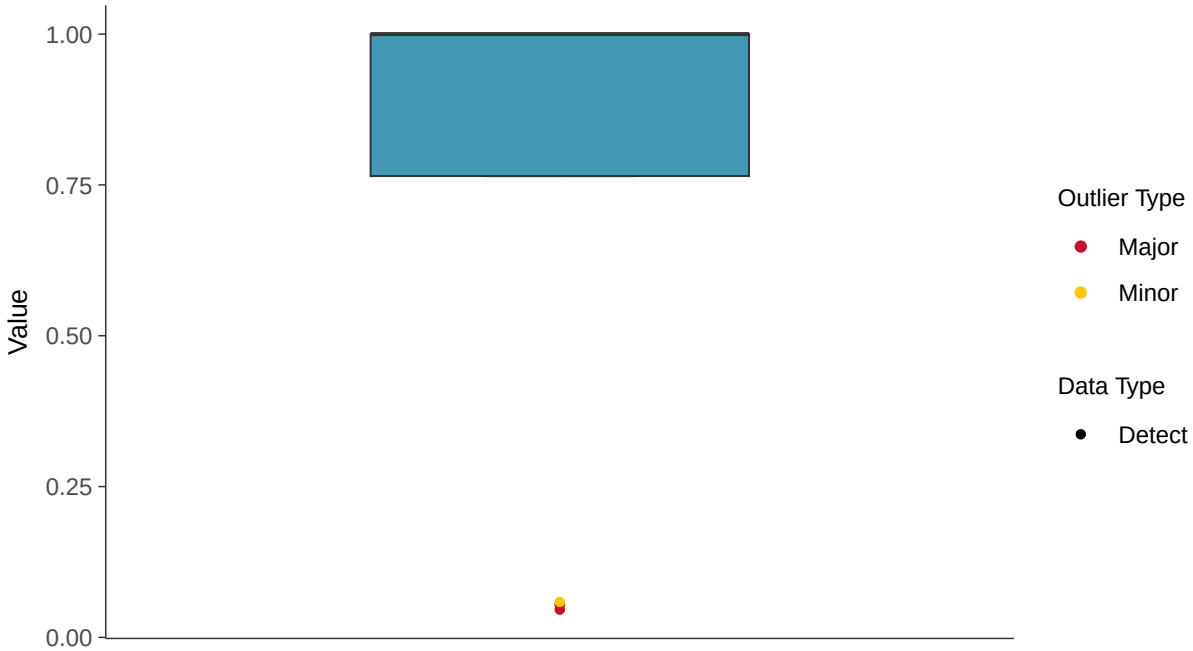
ID: 17_2_112





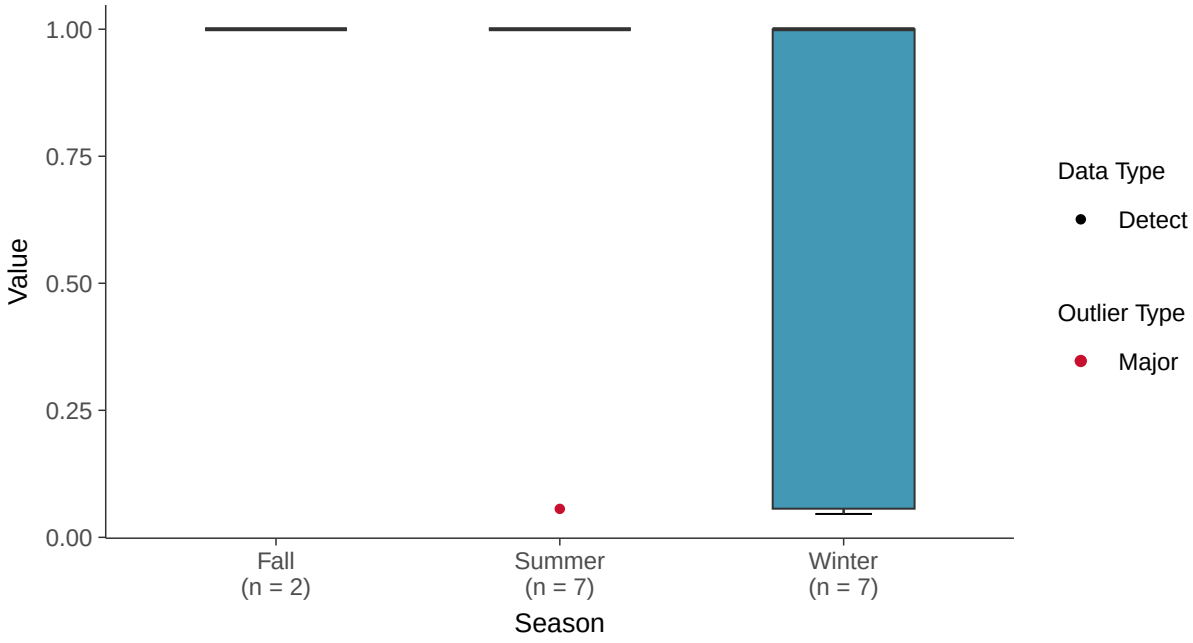
Boxplot

Fluoride, MW-8 (mg/l)



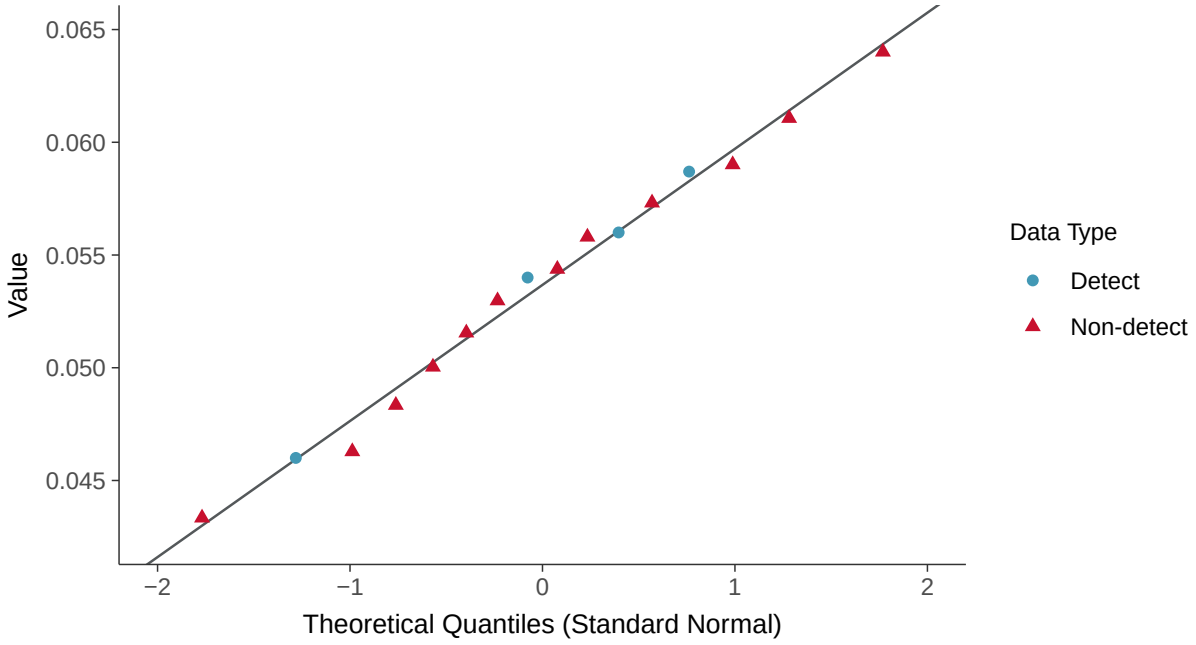
Boxplot by Season

Fluoride, MW-8 (mg/l)



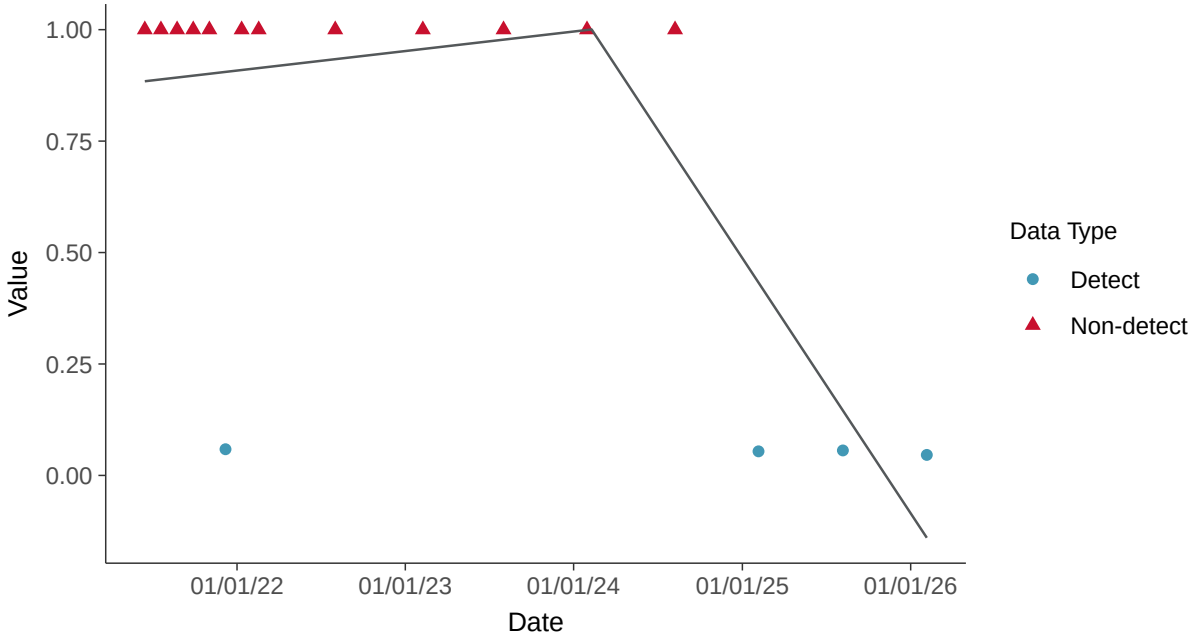
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-8 (mg/l)



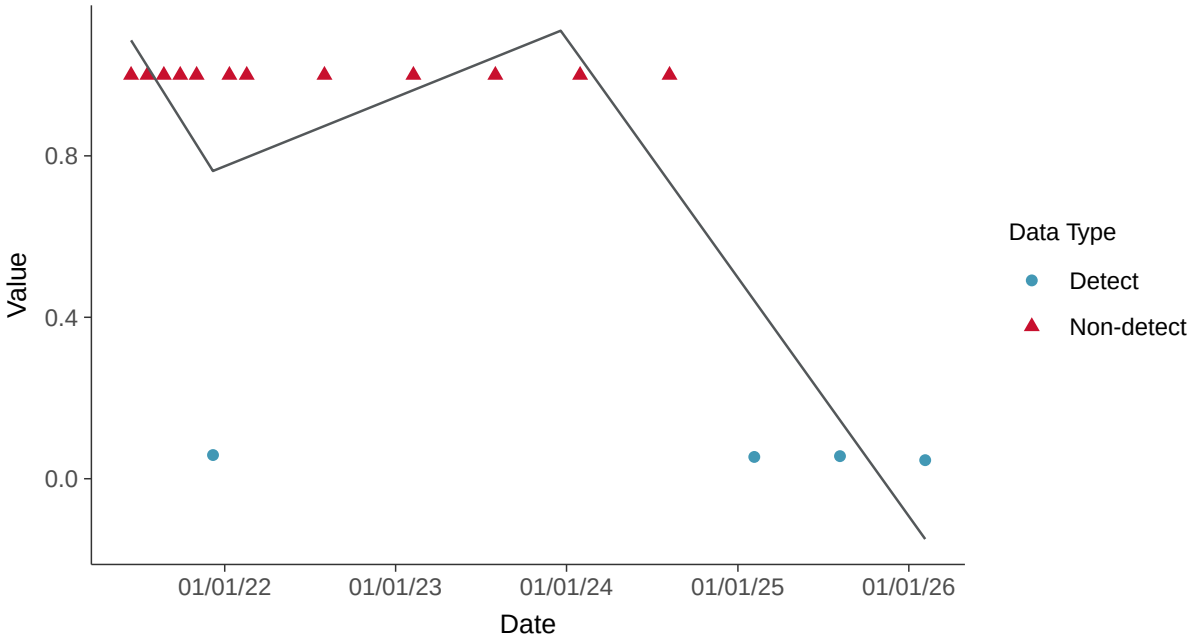
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-8 (mg/l)



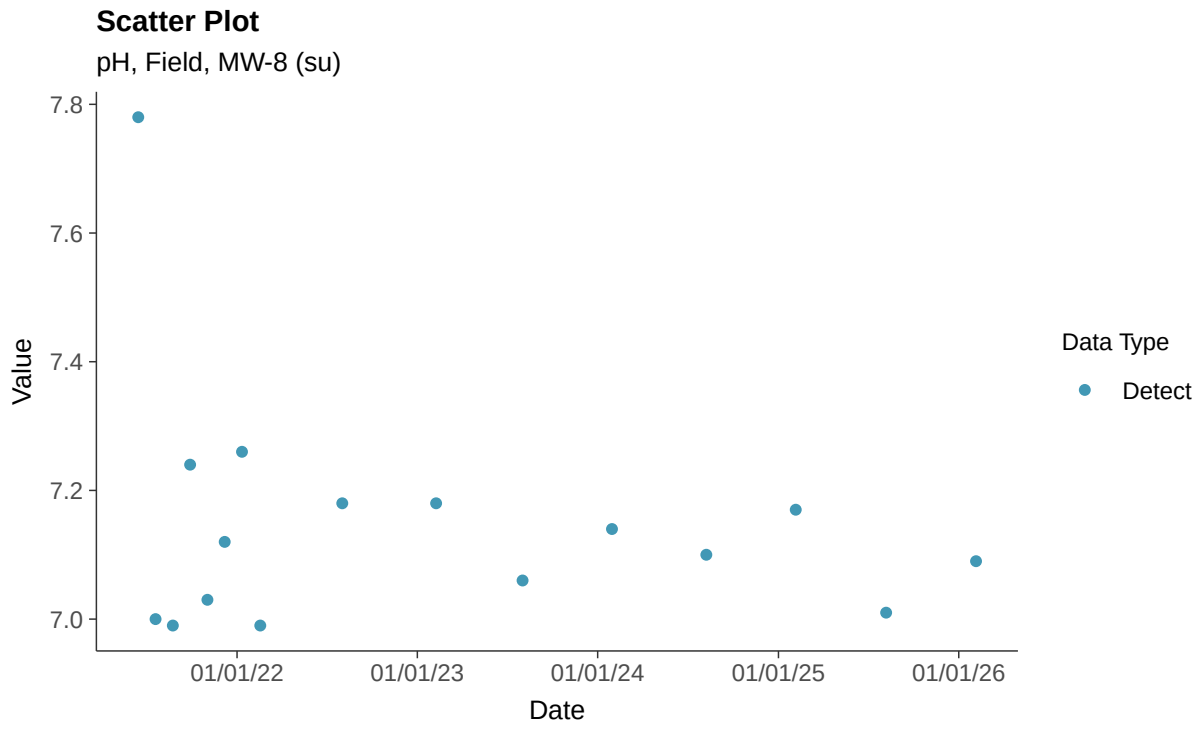
Trend Regression: Piecewise Linear-Linear-Linear

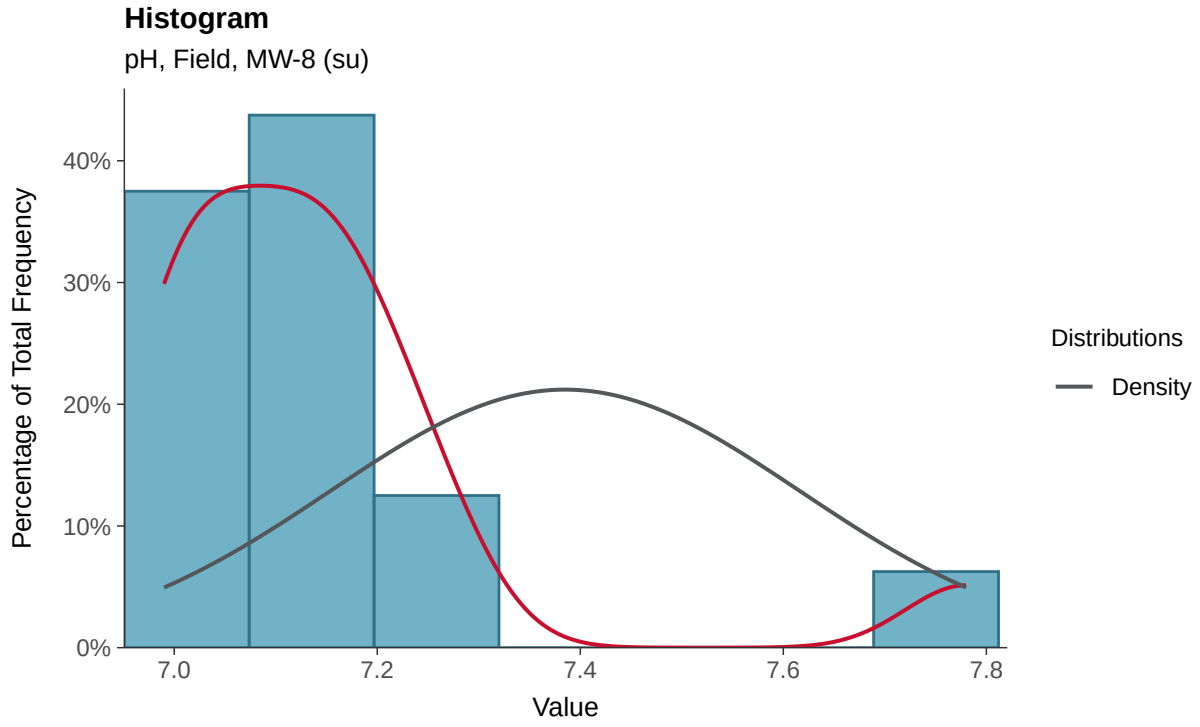
Fluoride, MW-8 (mg/l)



Appendix III: pH, Field, MW-8

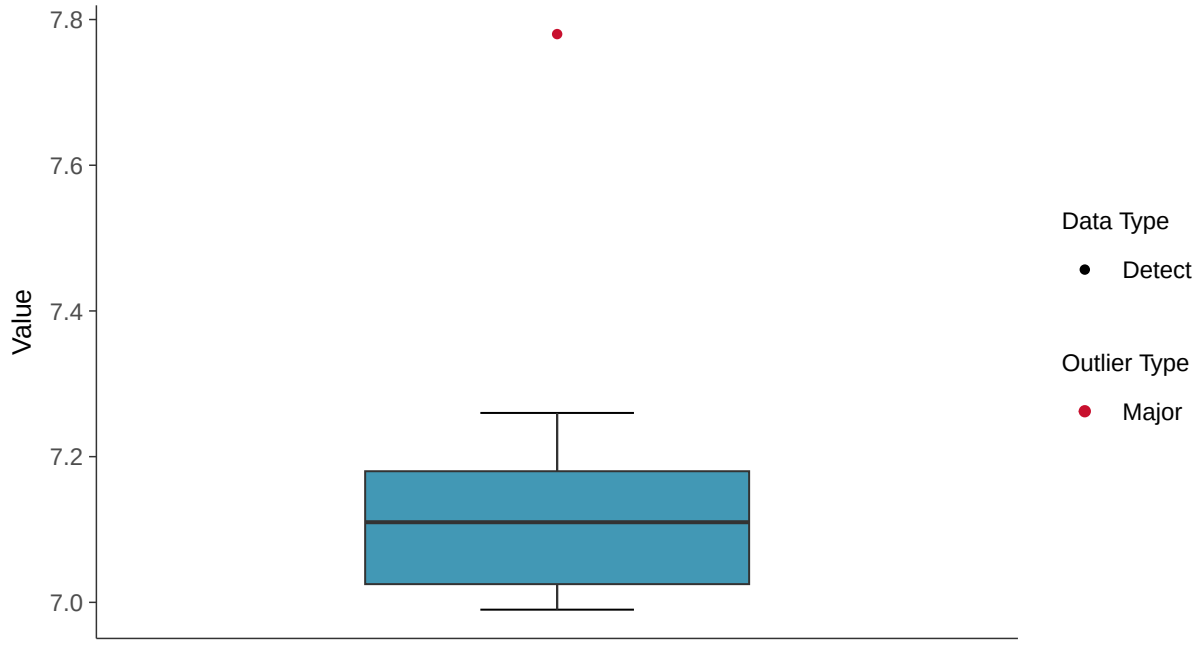
ID: 17_2_120





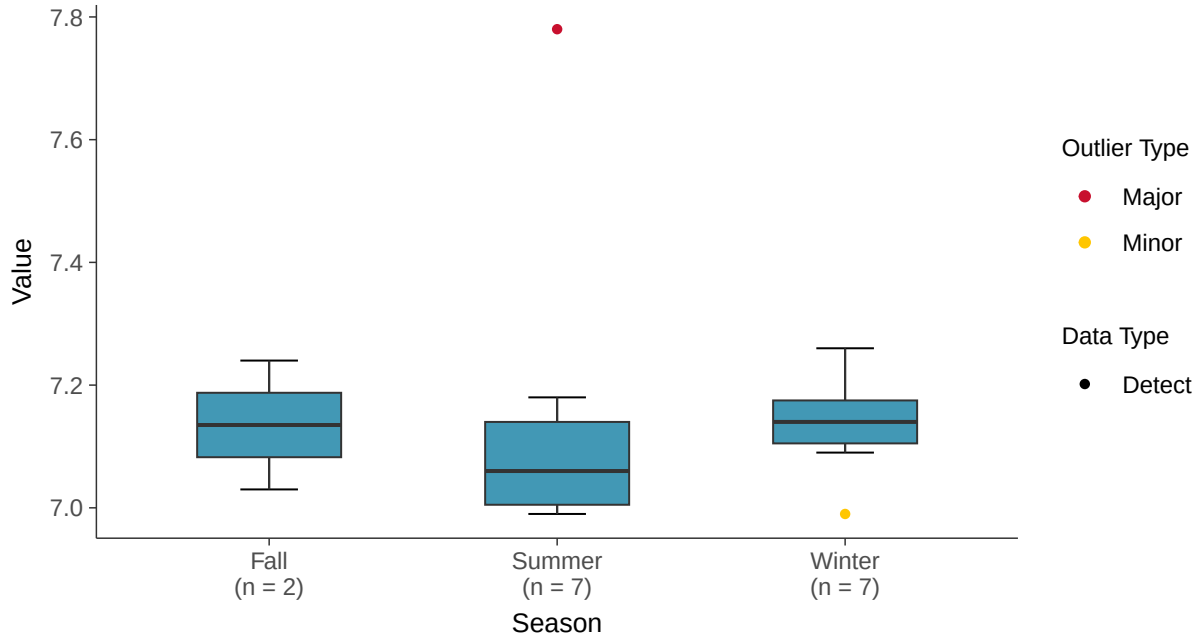
Boxplot

pH, Field, MW-8 (su)



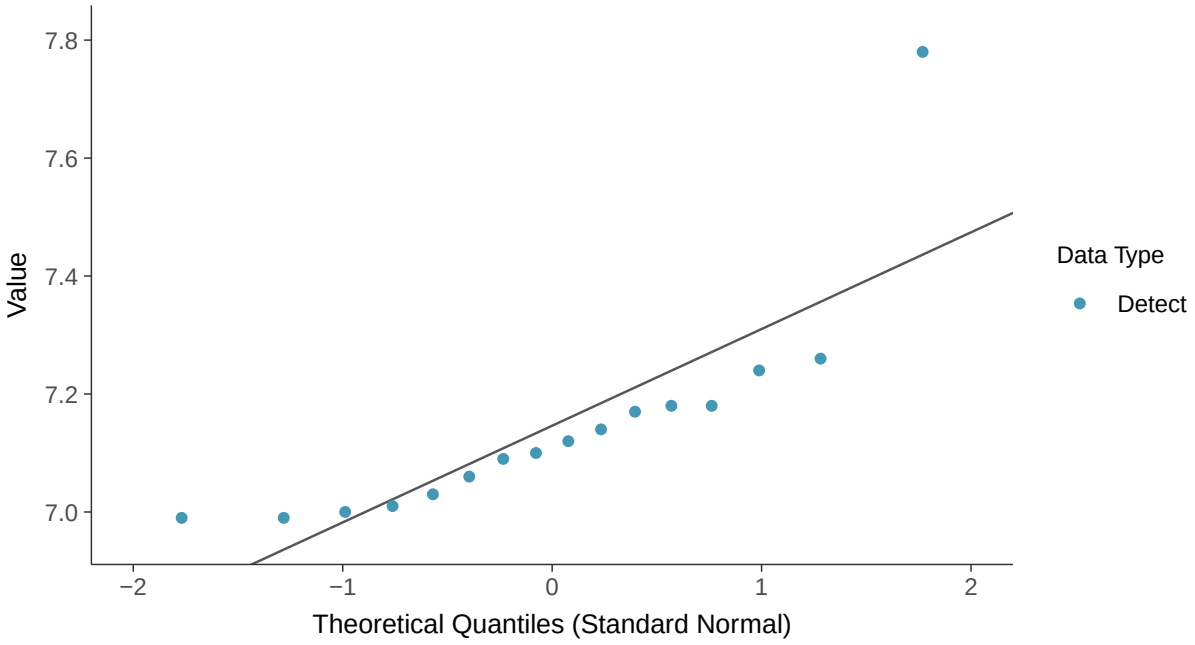
Boxplot by Season

pH, Field, MW-8 (su)



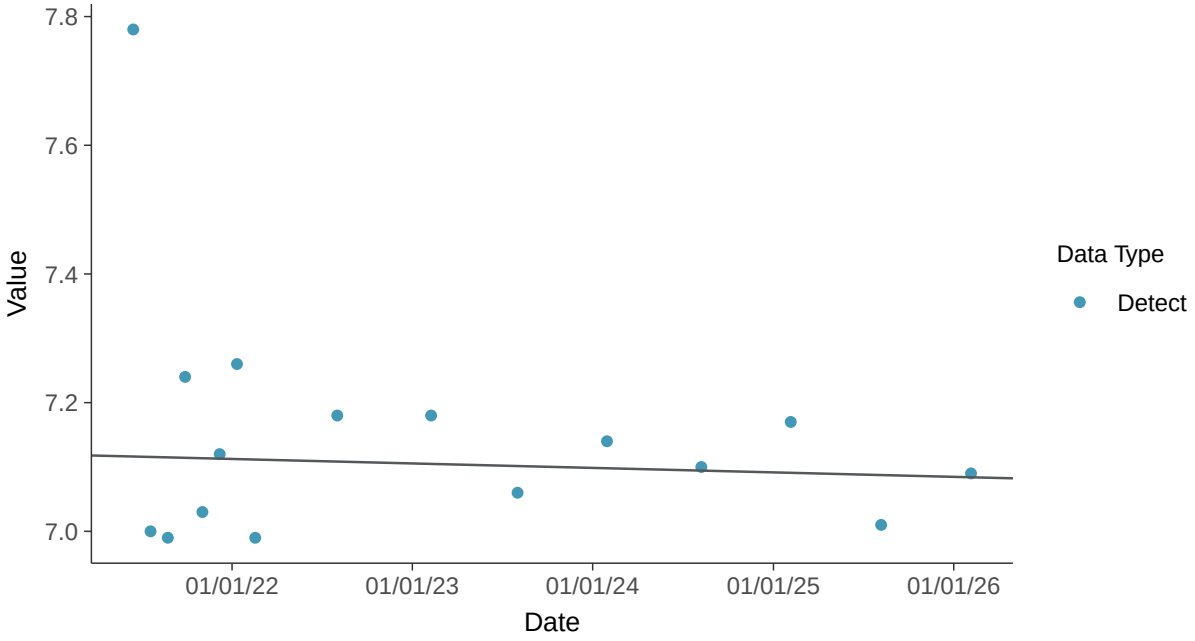
Normal Q-Q plot

pH, Field, MW-8 (su)



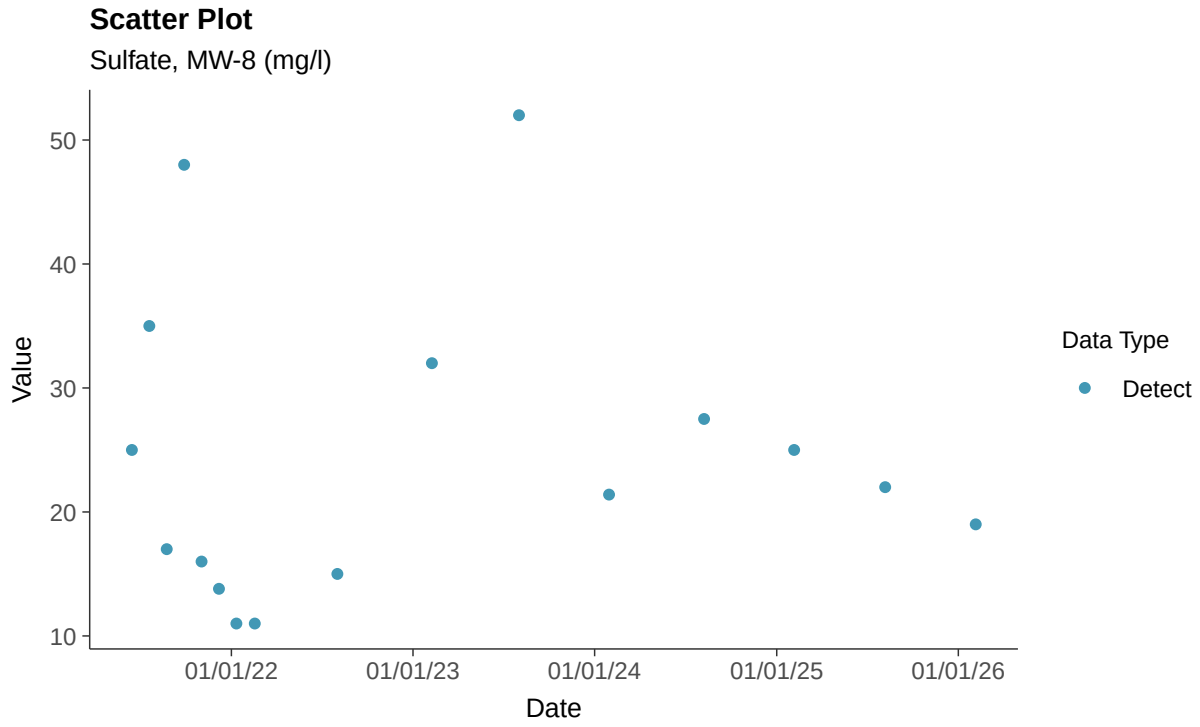
Trend Regression: Mann-Kendall/Theil-Sen Estimate

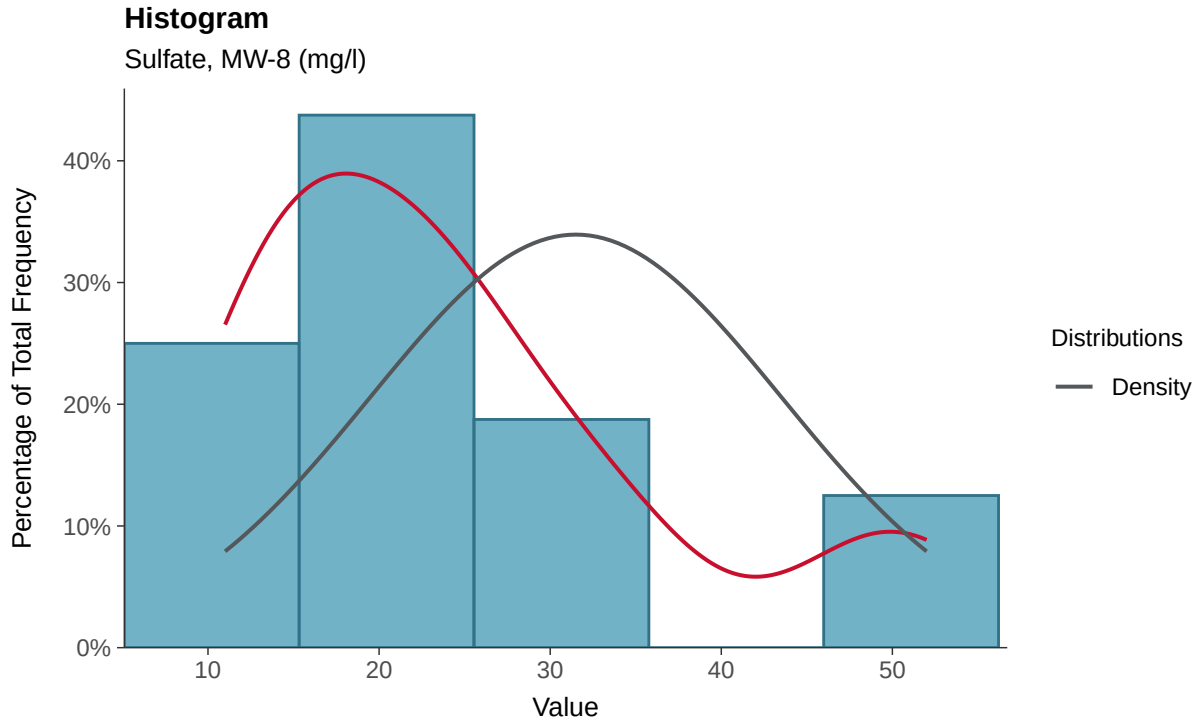
pH, Field, MW-8 (su)



Appendix III: Sulfate, MW-8

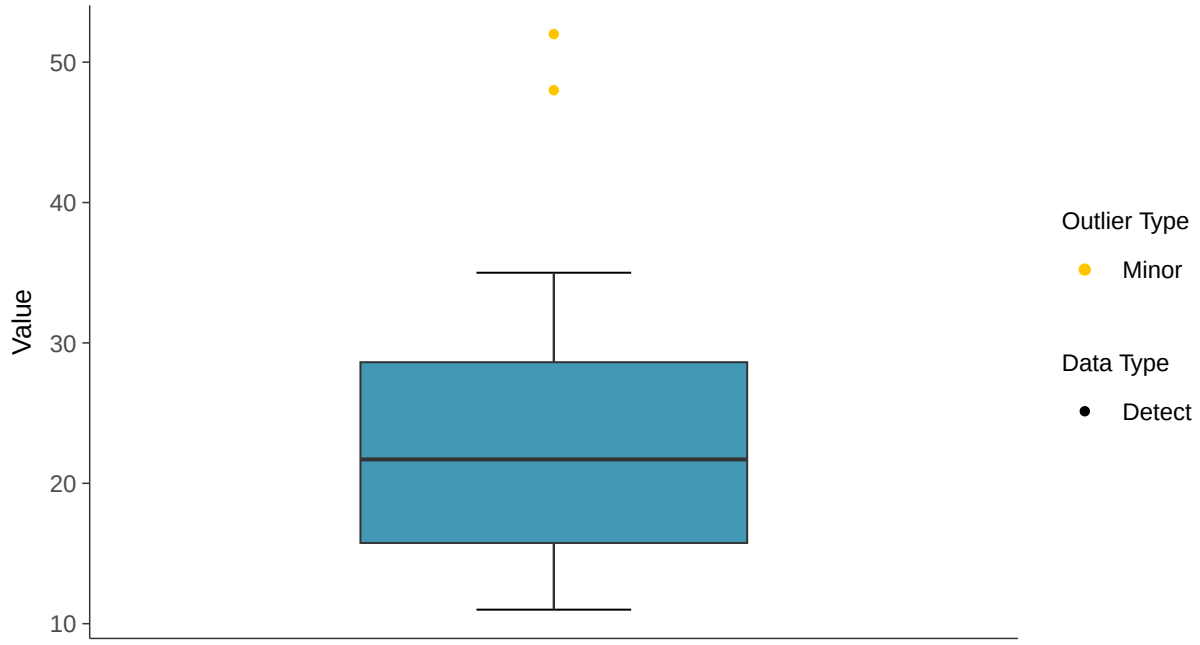
ID: 17_2_124





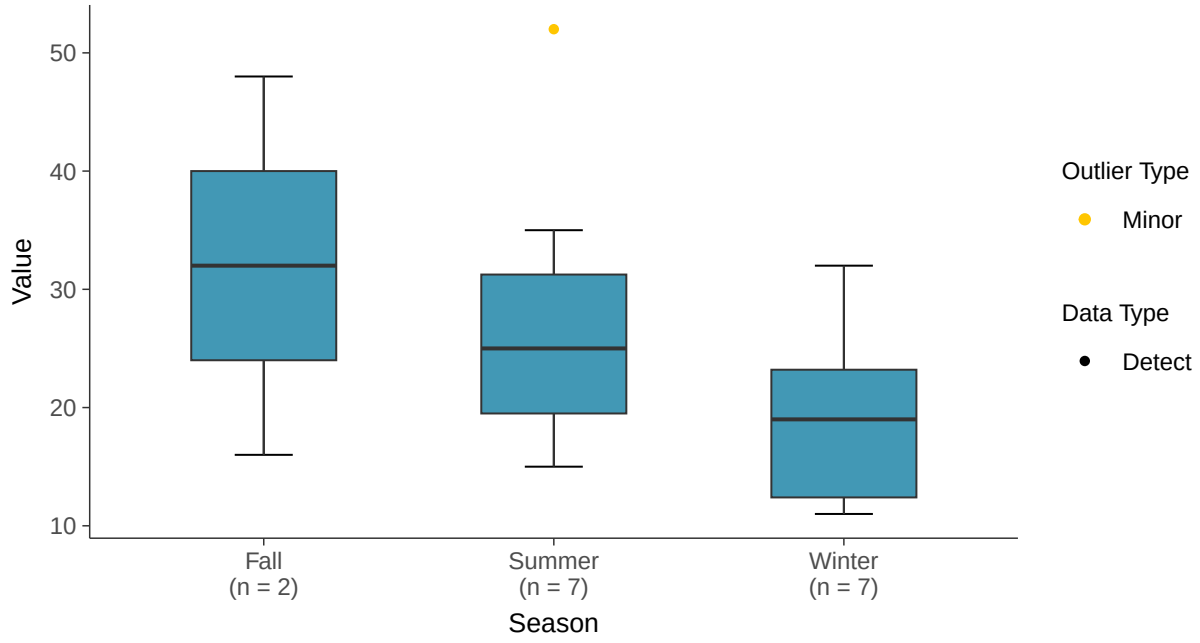
Boxplot

Sulfate, MW-8 (mg/l)



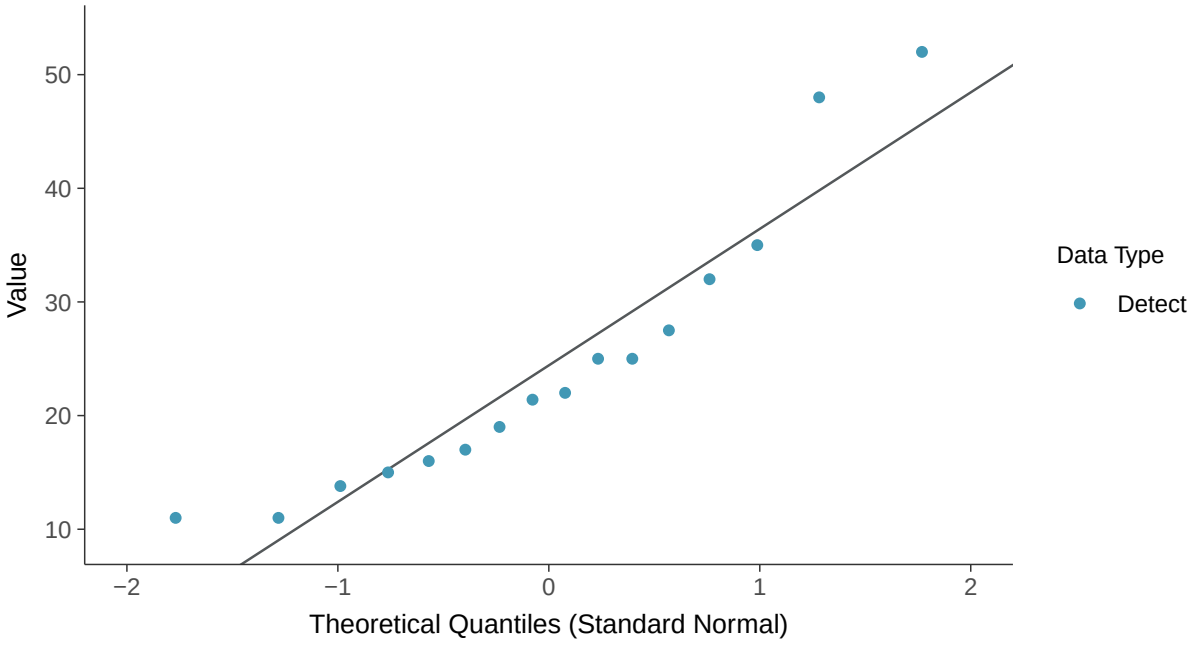
Boxplot by Season

Sulfate, MW-8 (mg/l)



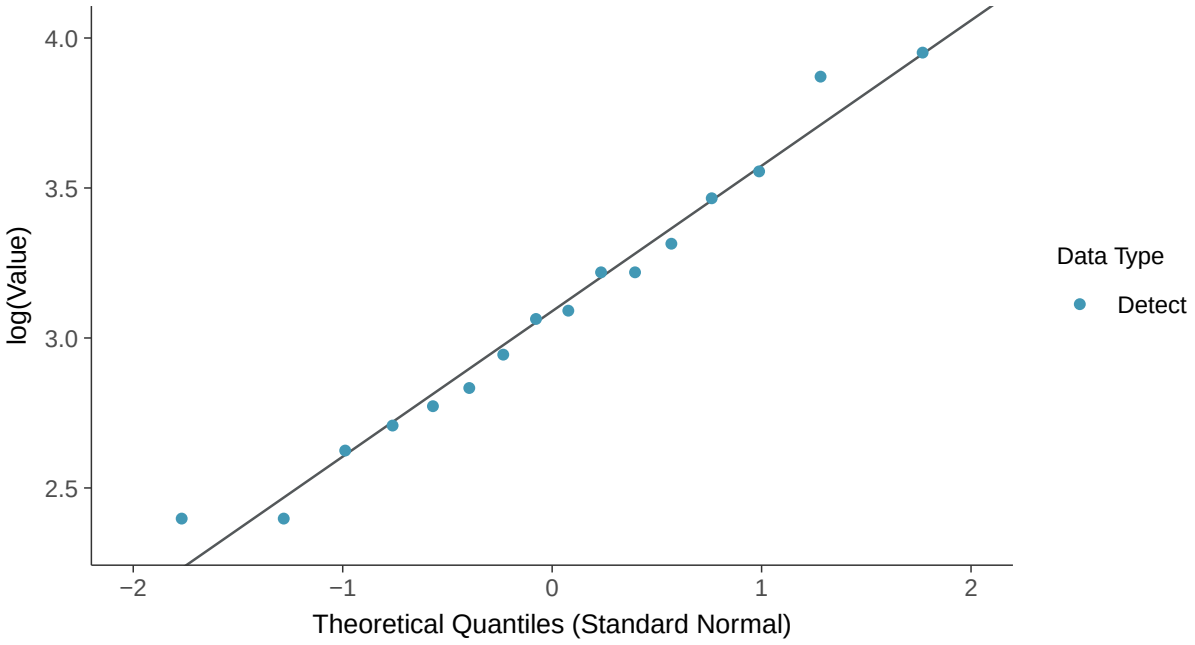
Normal Q-Q plot

Sulfate, MW-8 (mg/l)



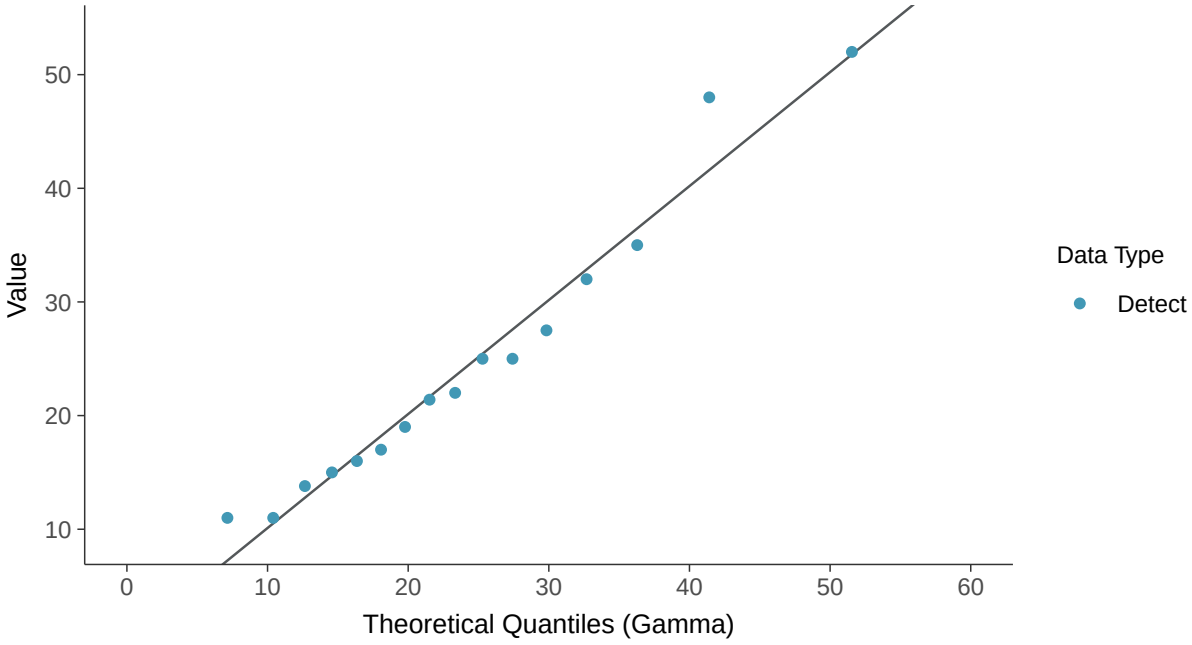
Lognormal Q-Q plot

Sulfate, MW-8 (mg/l)



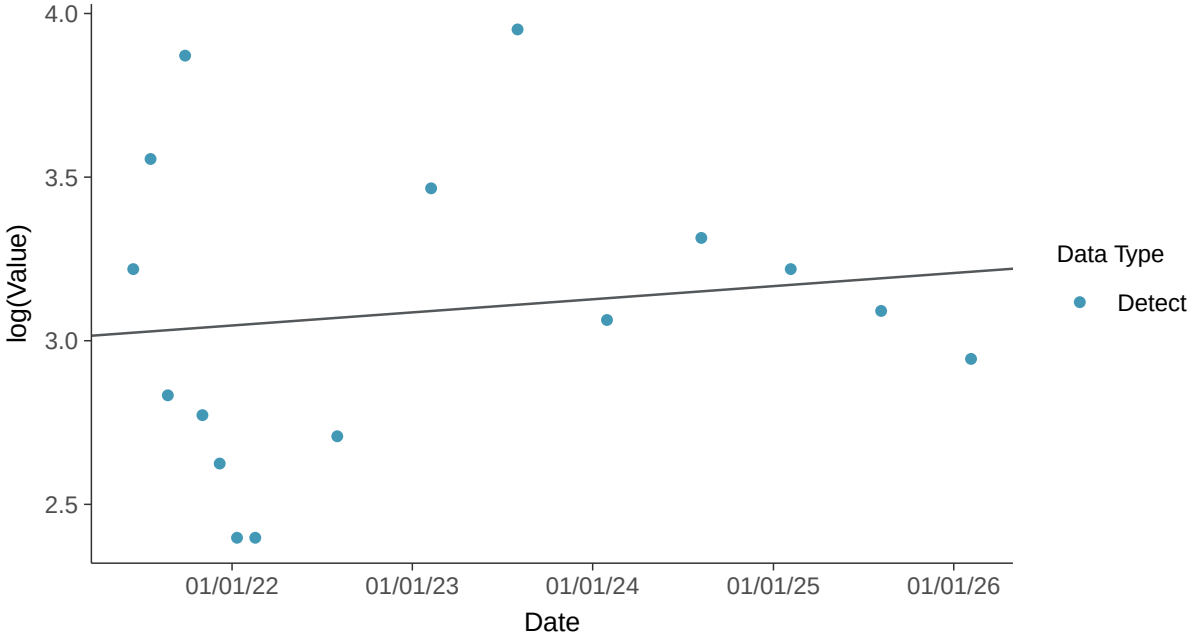
Gamma Q-Q plot

Sulfate, MW-8 (mg/l)



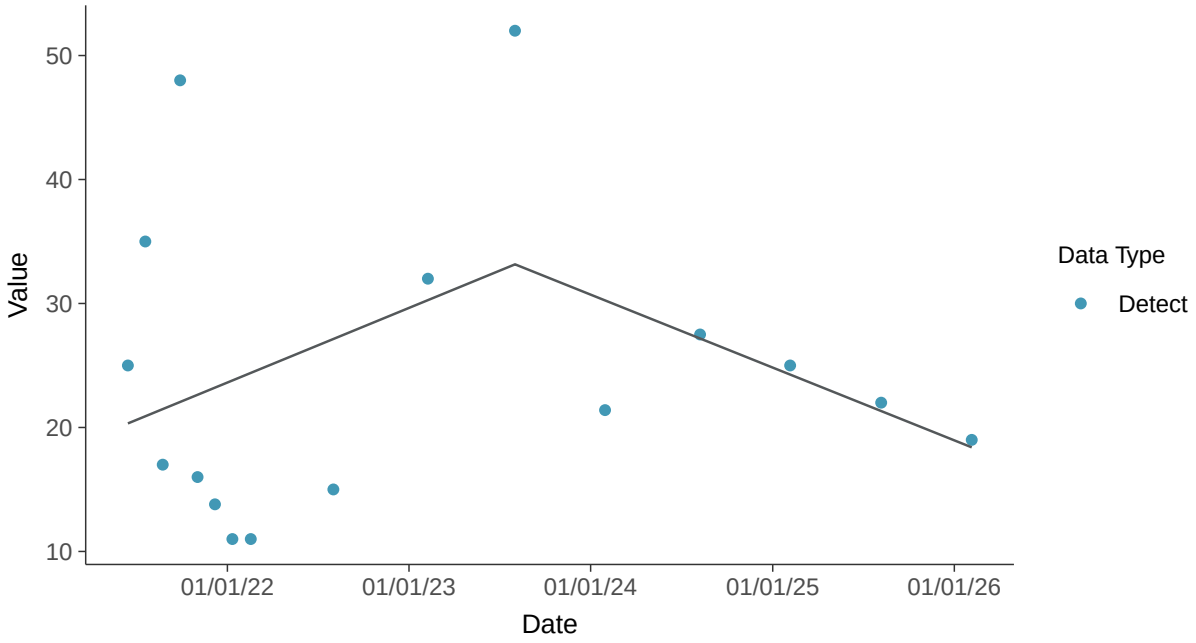
Trend Regression: Lognormal MLE

Sulfate, MW-8 (mg/l)



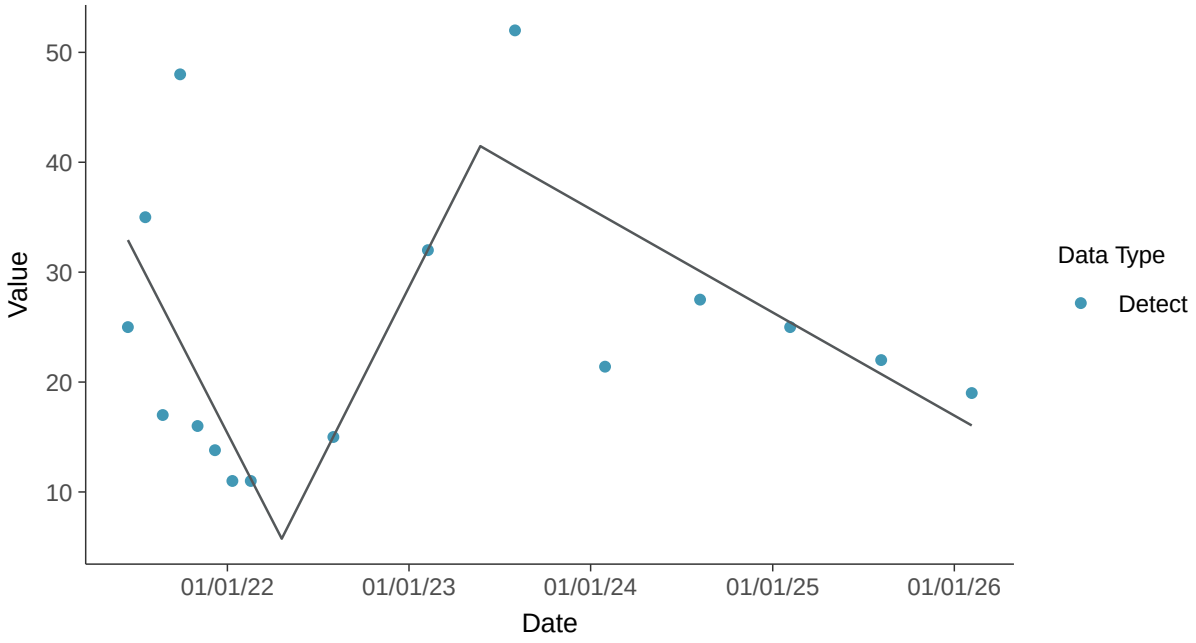
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-8 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Sulfate, MW-8 (mg/l)

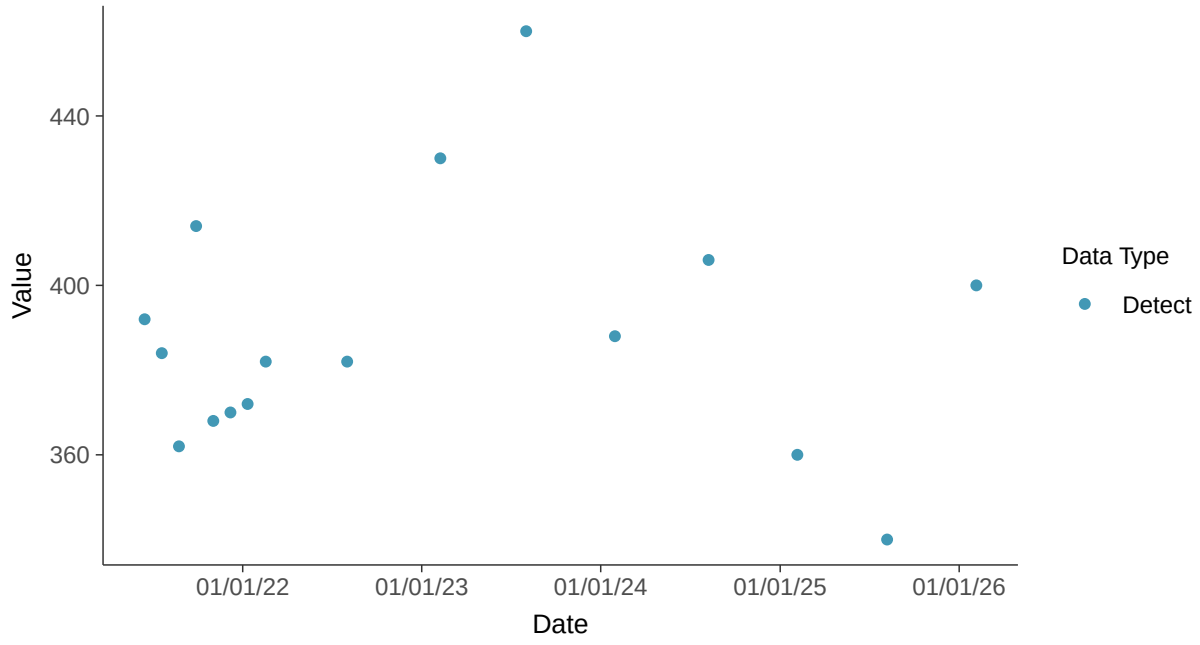


Appendix III: Total Dissolved Solids, MW-8

ID: 17_2_126

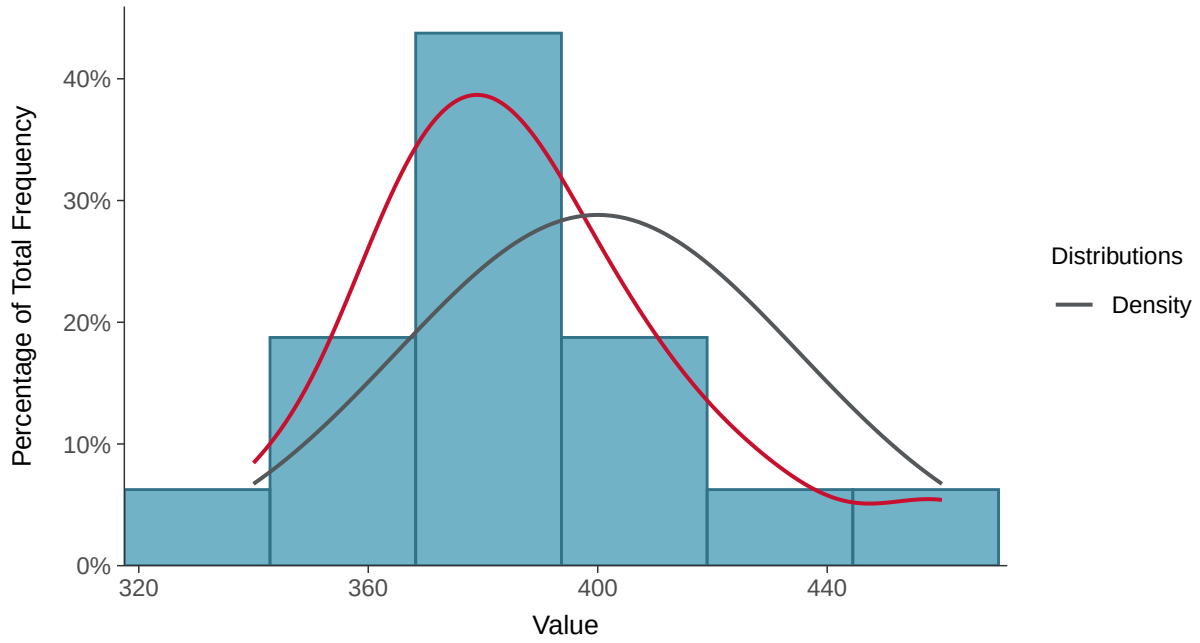
Scatter Plot

Total Dissolved Solids, MW-8 (mg/l)



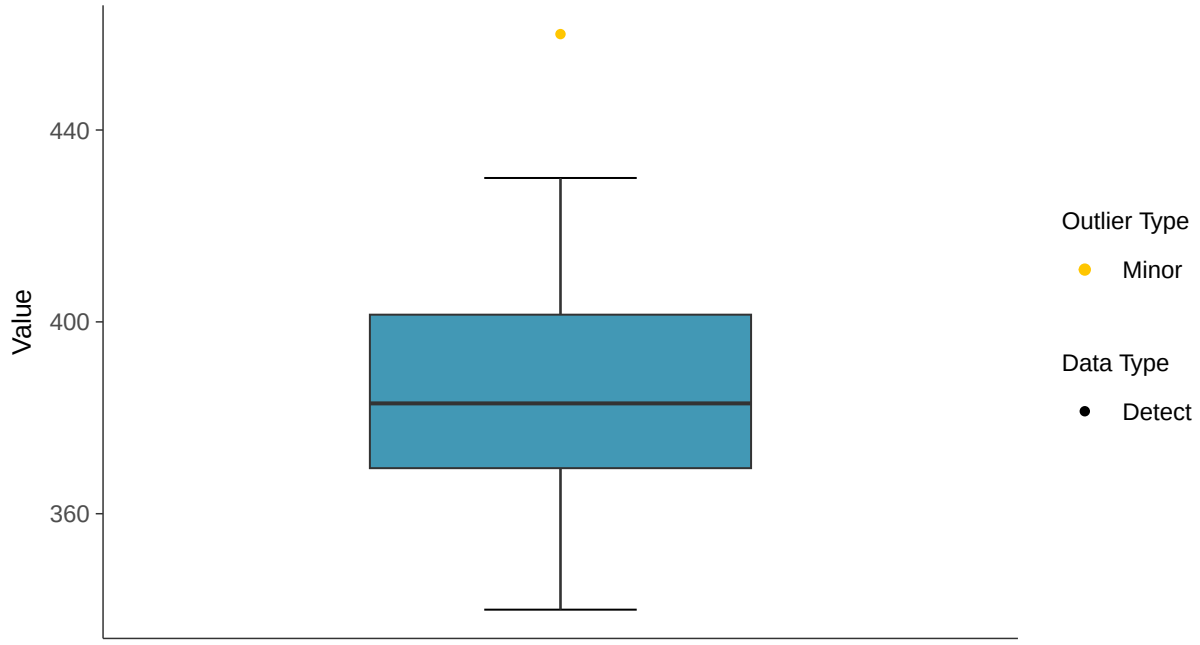
Histogram

Total Dissolved Solids, MW-8 (mg/l)



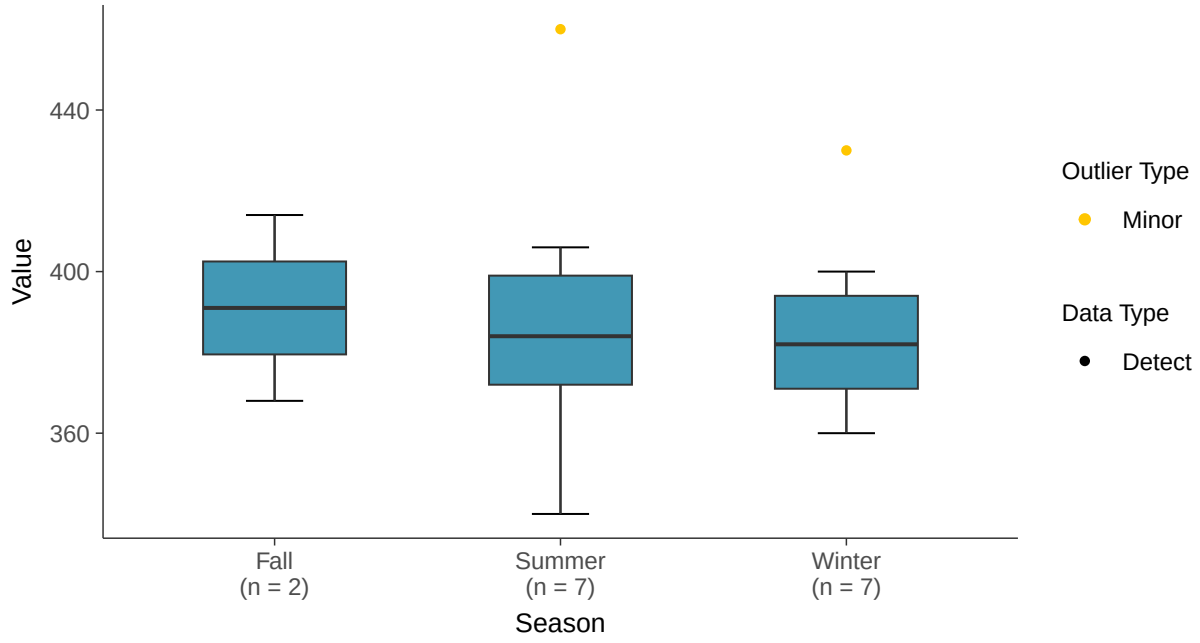
Boxplot

Total Dissolved Solids, MW-8 (mg/l)



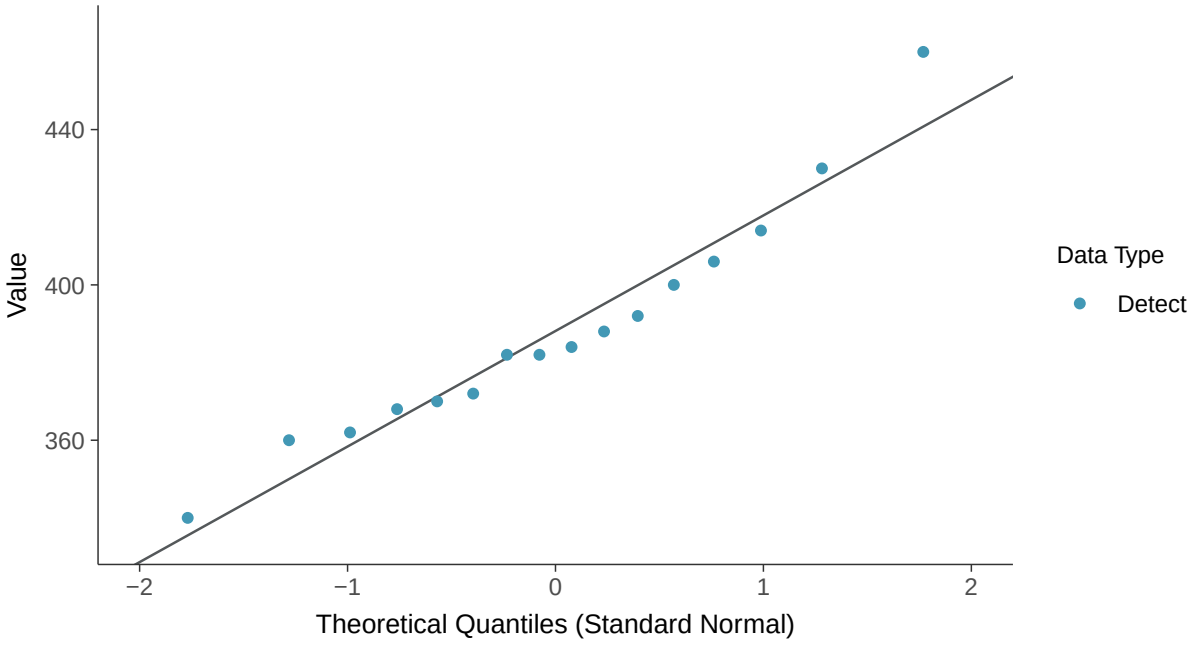
Boxplot by Season

Total Dissolved Solids, MW-8 (mg/l)



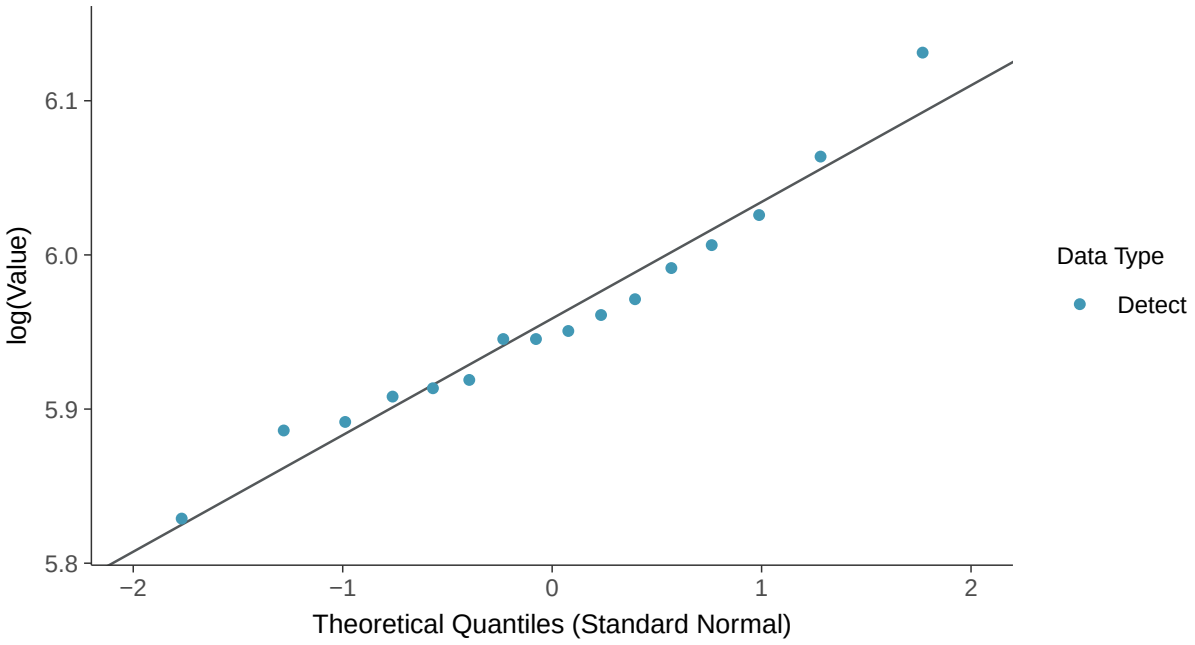
Normal Q-Q plot

Total Dissolved Solids, MW-8 (mg/l)



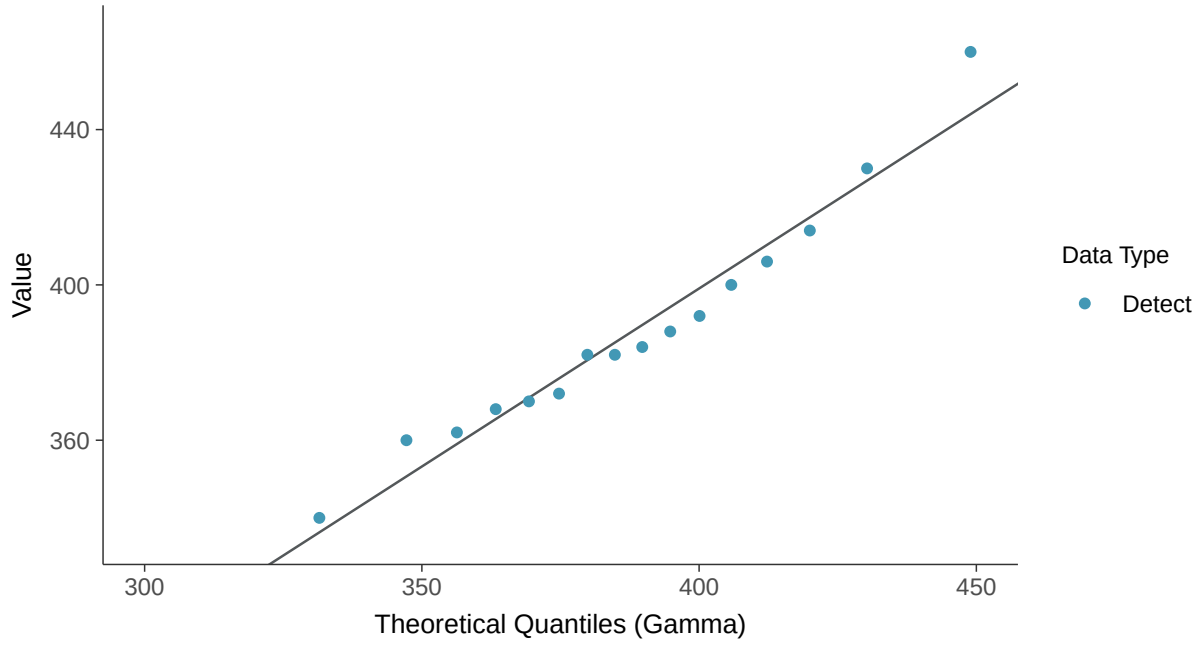
Lognormal Q-Q plot

Total Dissolved Solids, MW-8 (mg/l)



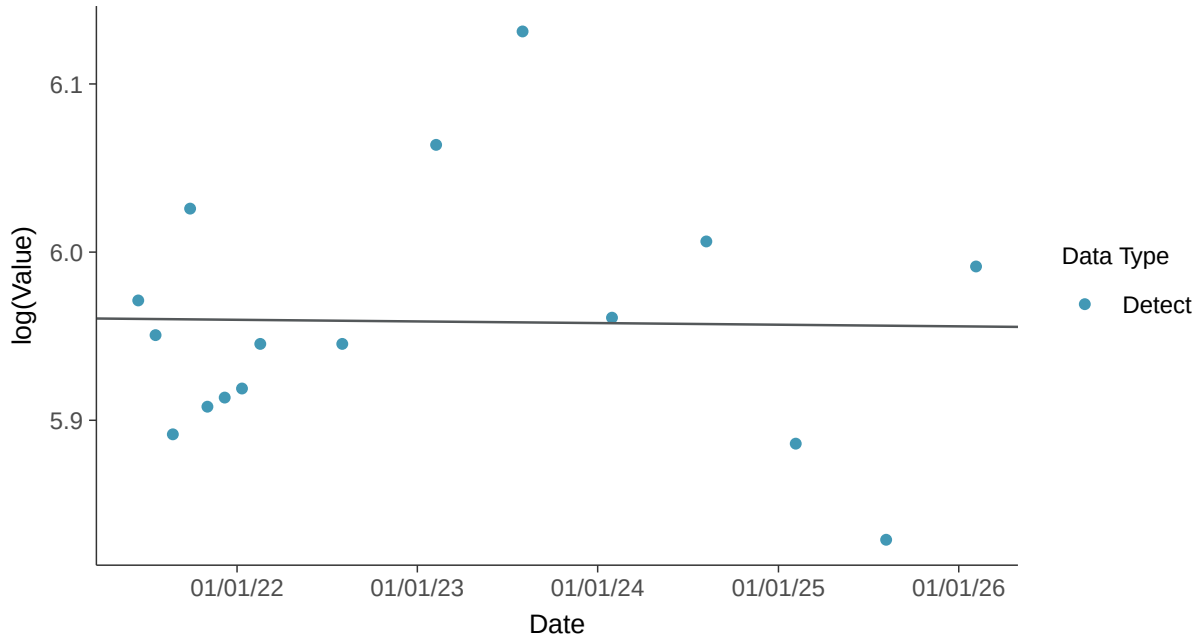
Gamma Q-Q plot

Total Dissolved Solids, MW-8 (mg/l)



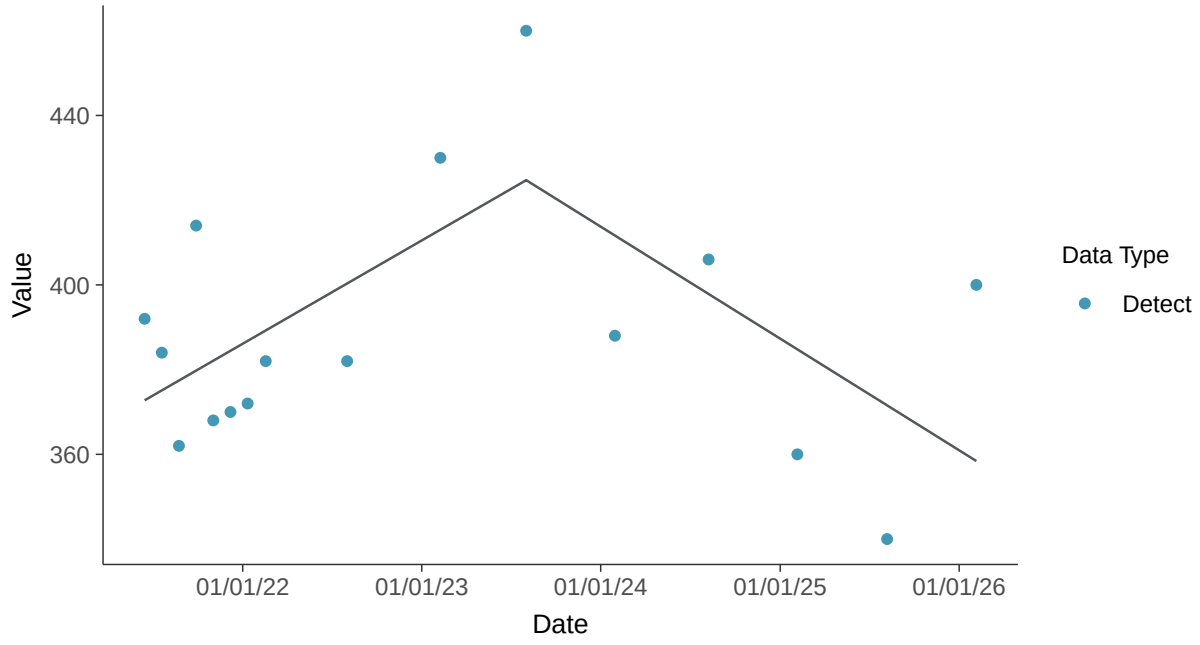
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-8 (mg/l)



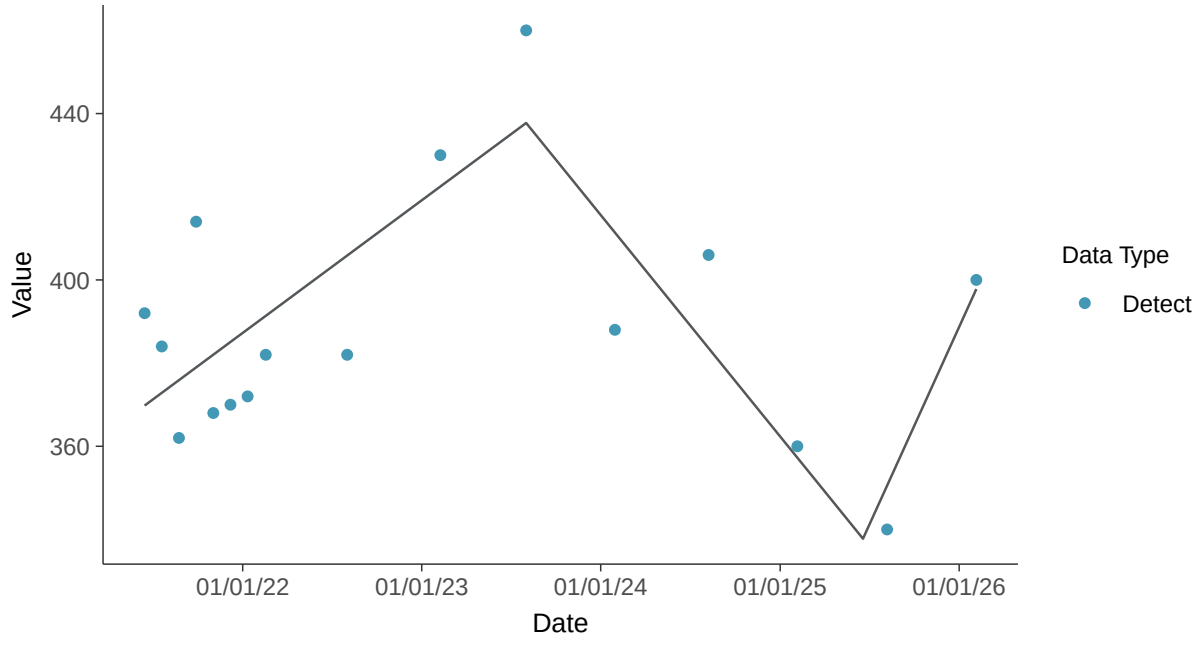
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-8 (mg/l)



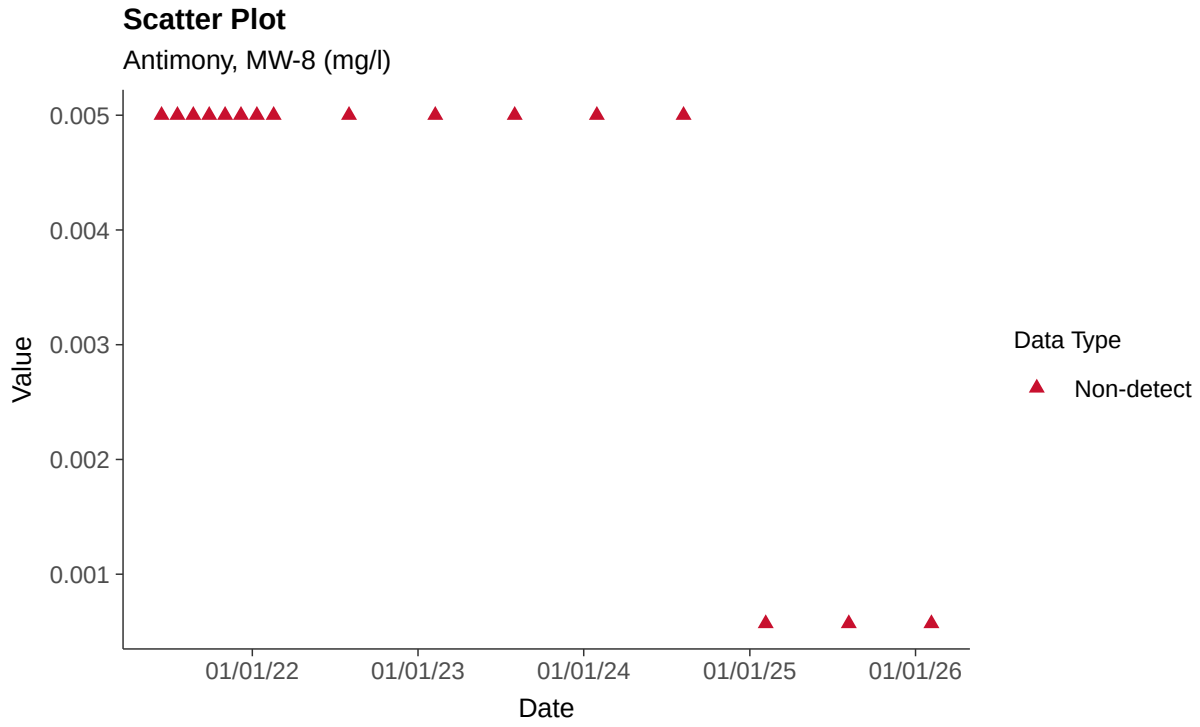
Trend Regression: Piecewise Linear-Linear-Linear

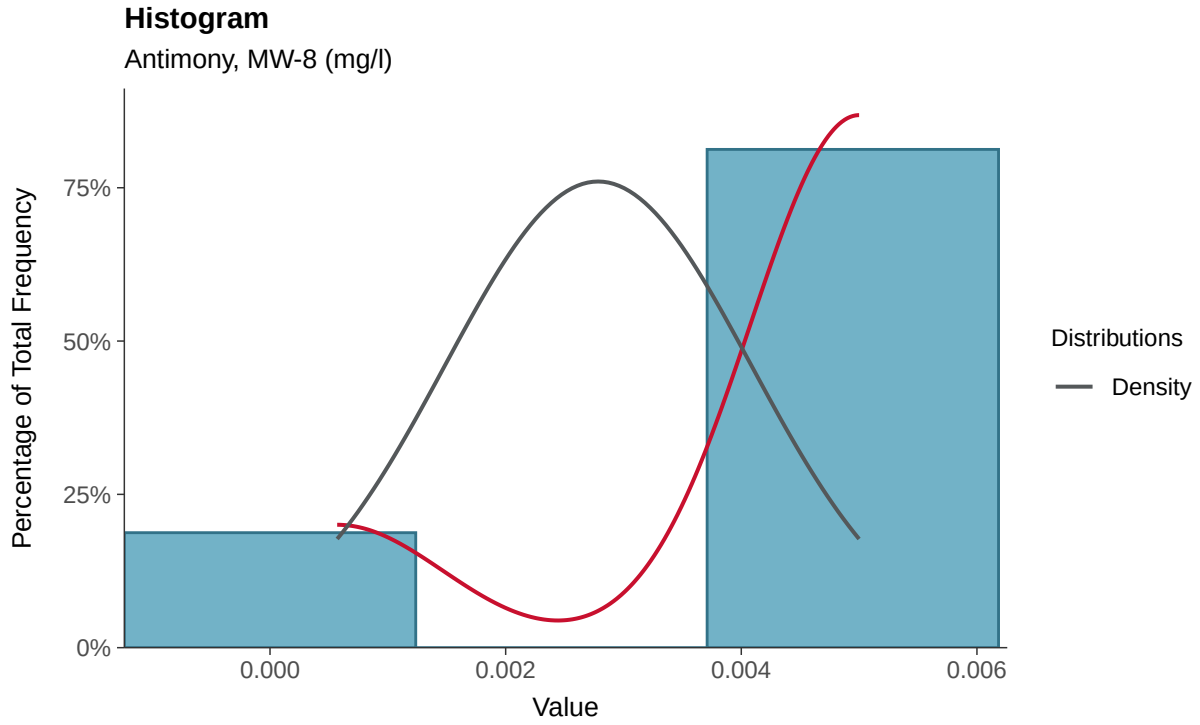
Total Dissolved Solids, MW-8 (mg/l)



Appendix IV: Antimony, MW-8

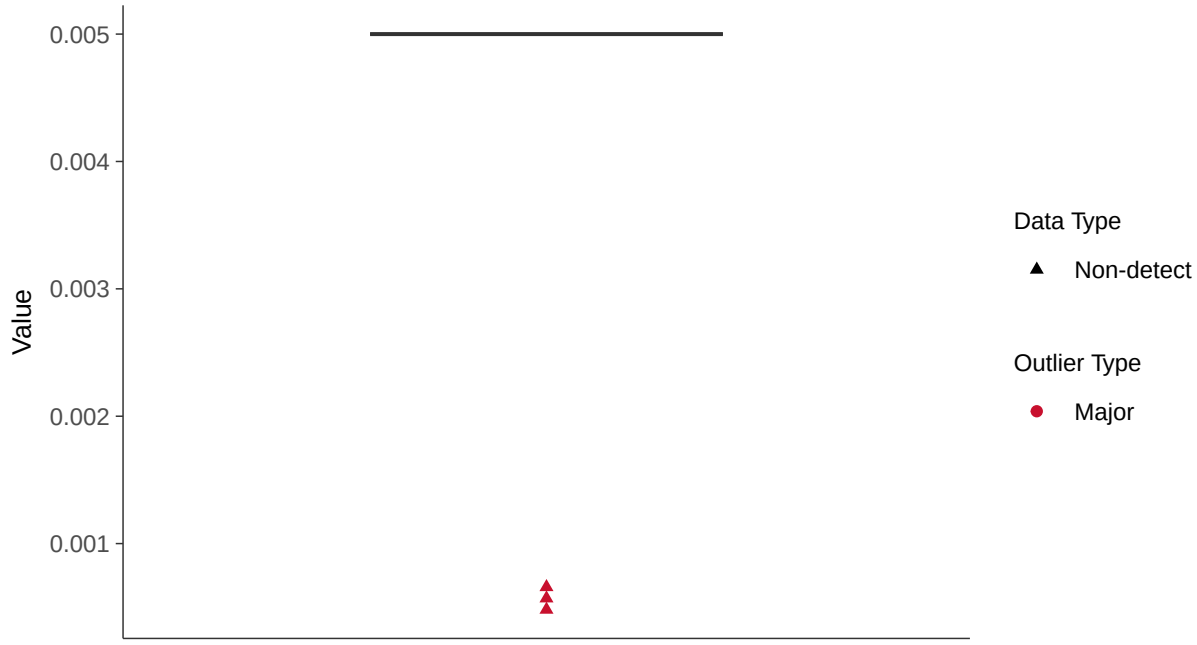
ID: 17_3_101





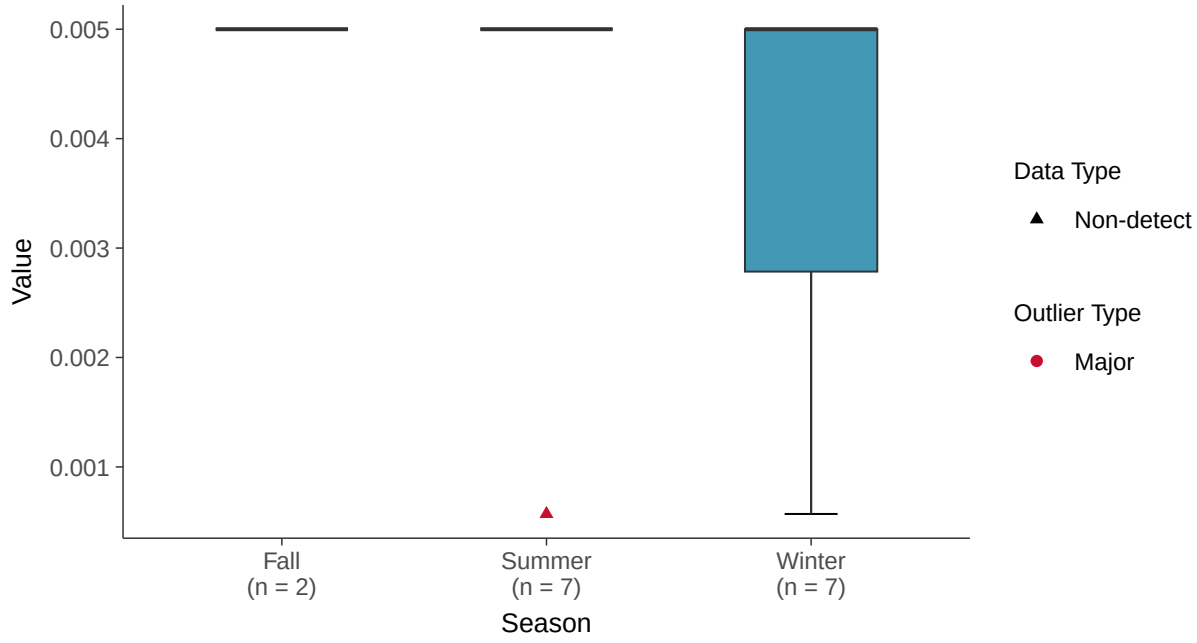
Boxplot

Antimony, MW-8 (mg/l)



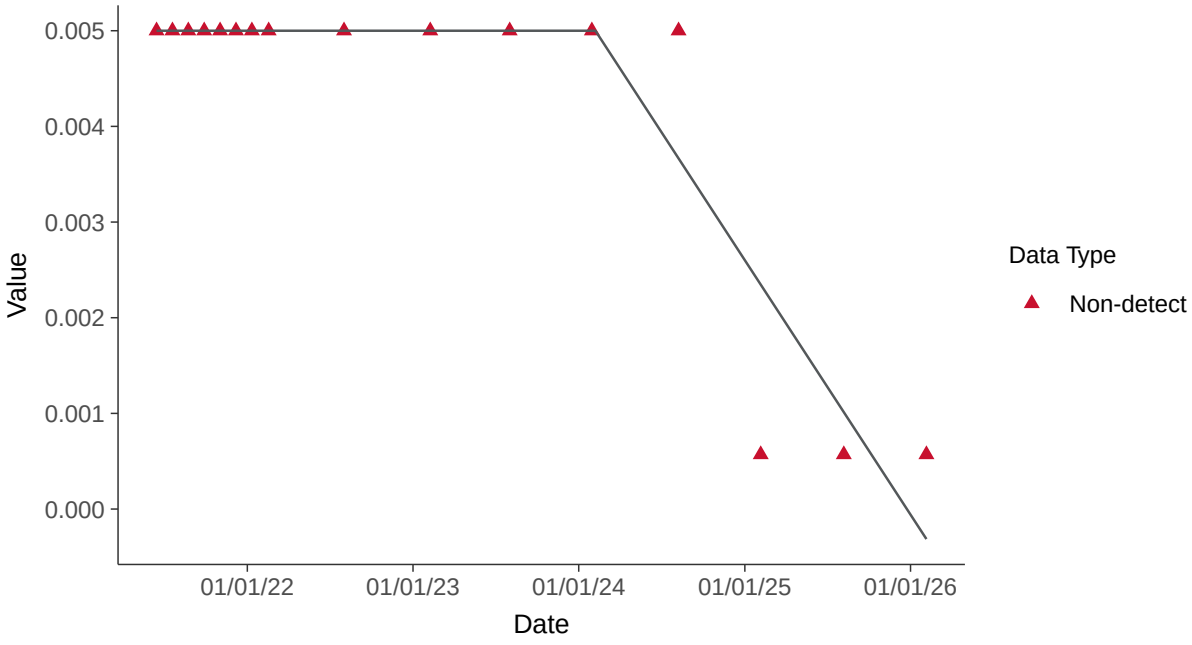
Boxplot by Season

Antimony, MW-8 (mg/l)



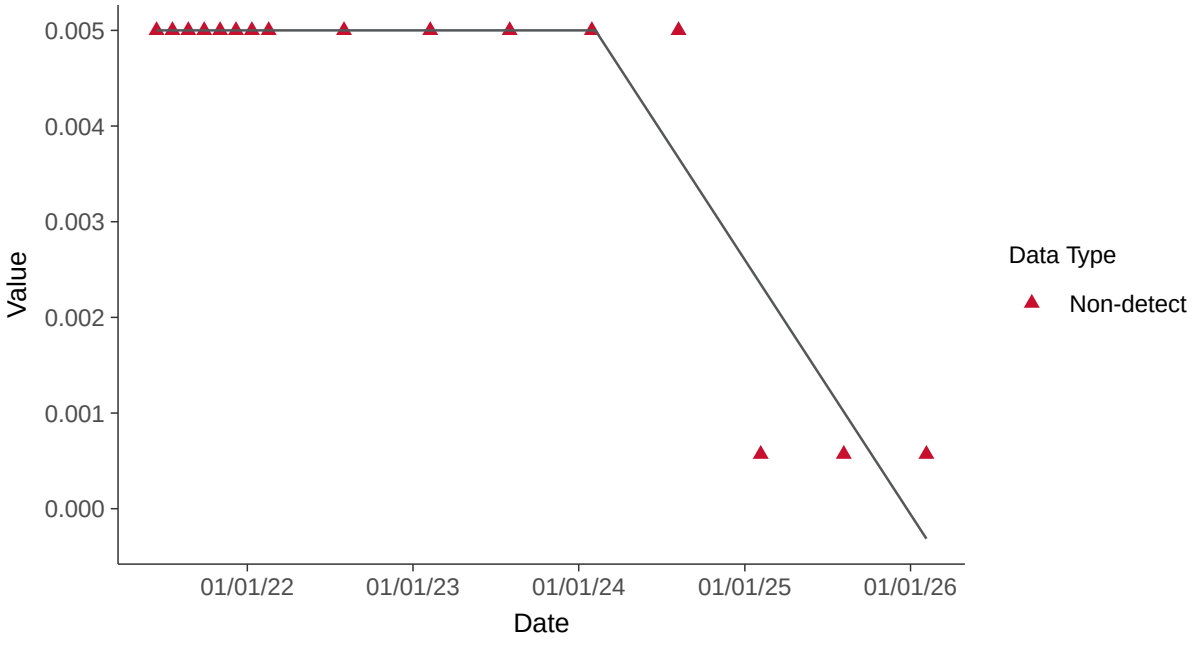
Trend Regression: Piecewise Linear-Linear

Antimony, MW-8 (mg/l)



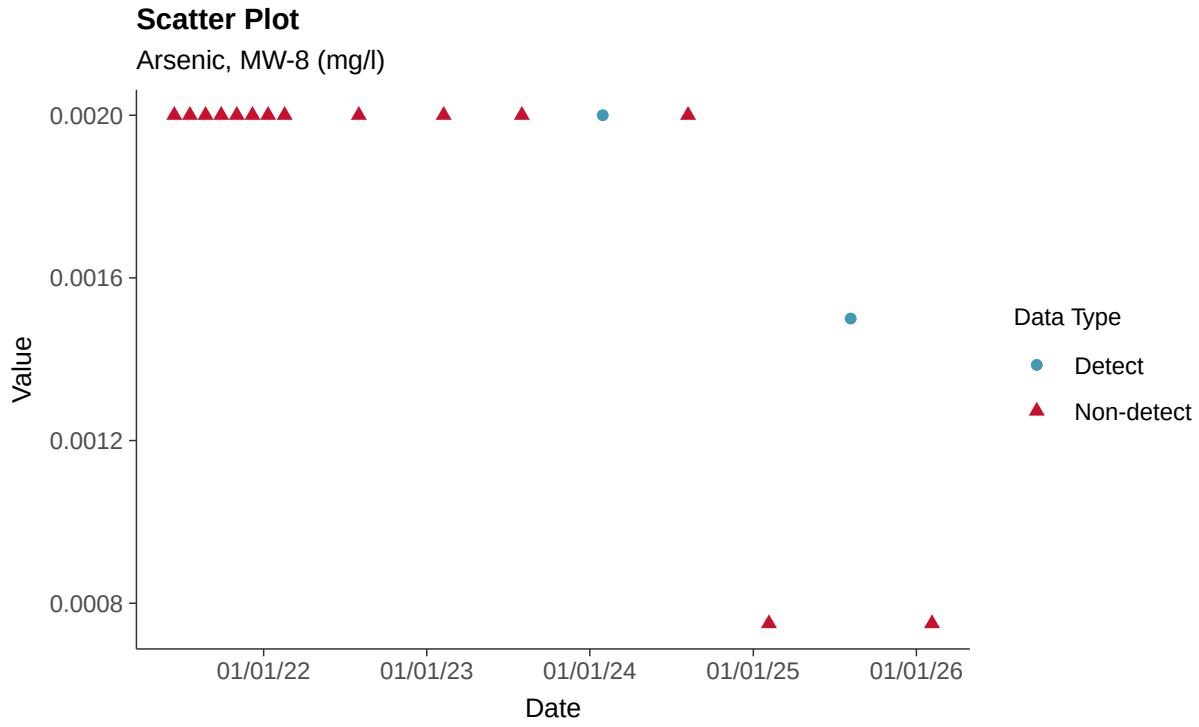
Trend Regression: Piecewise Linear-Linear-Linear

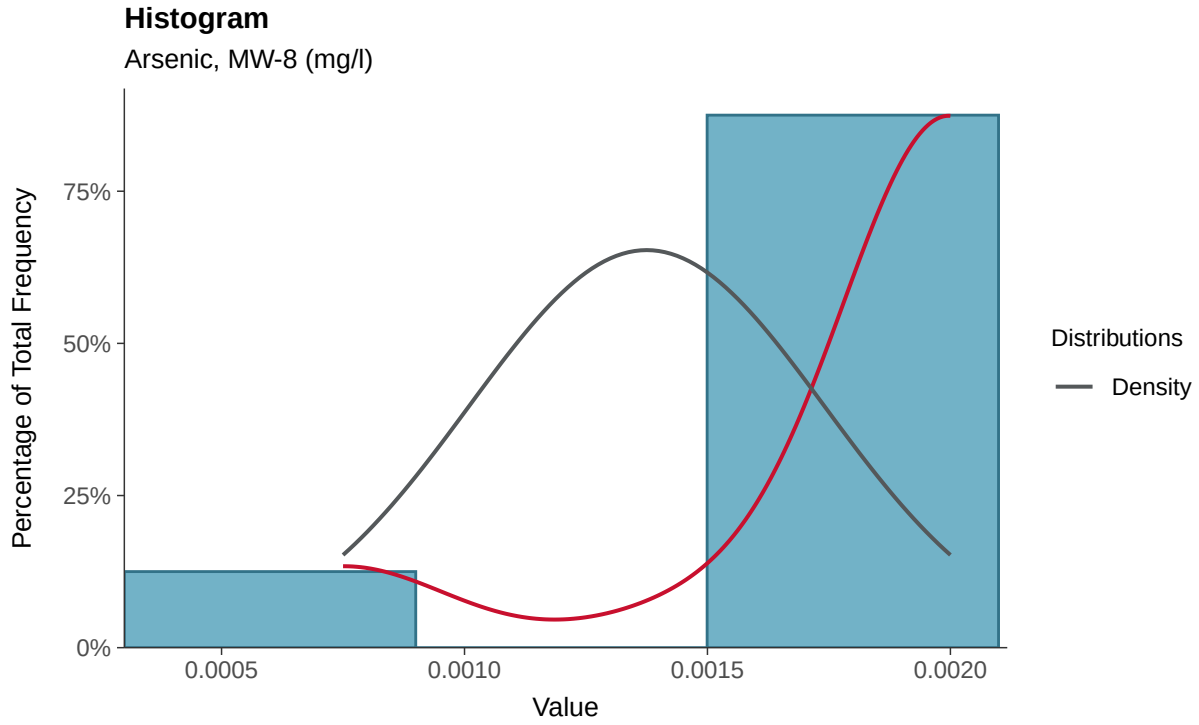
Antimony, MW-8 (mg/l)



Appendix IV: Arsenic, MW-8

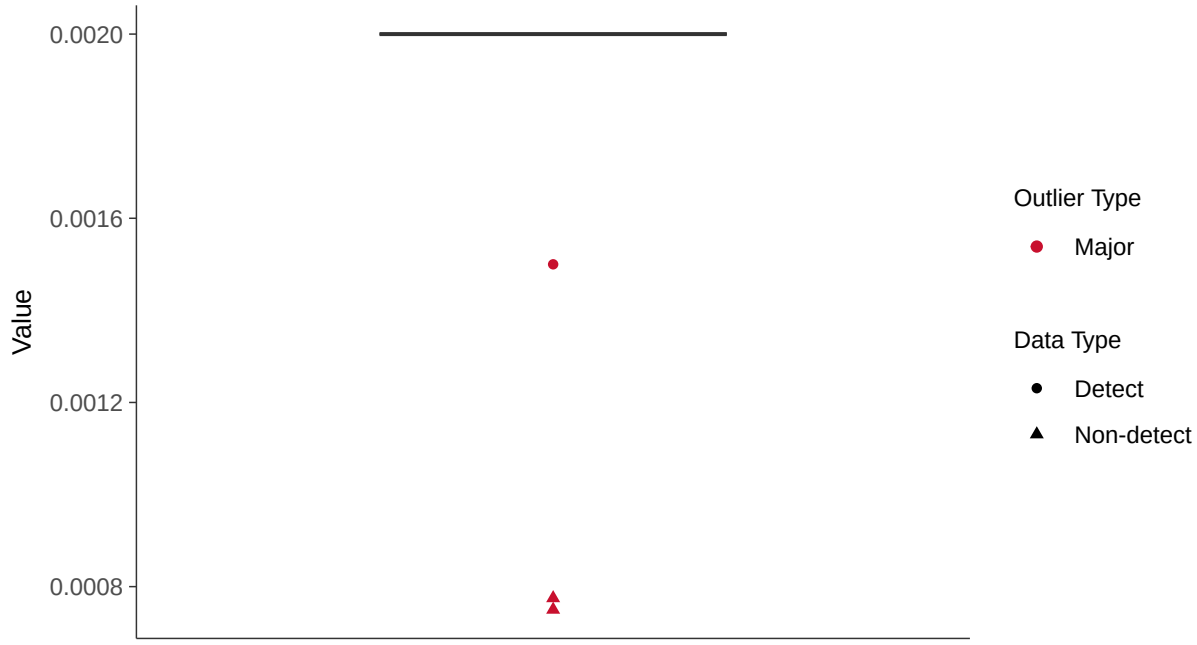
ID: 17_3_102





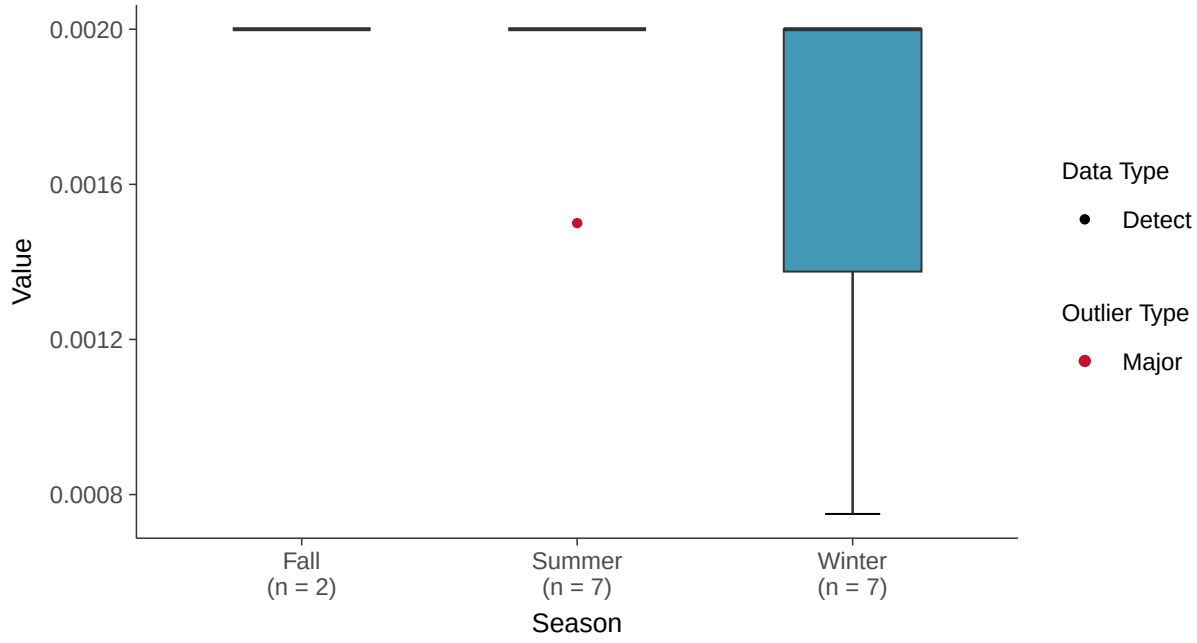
Boxplot

Arsenic, MW-8 (mg/l)



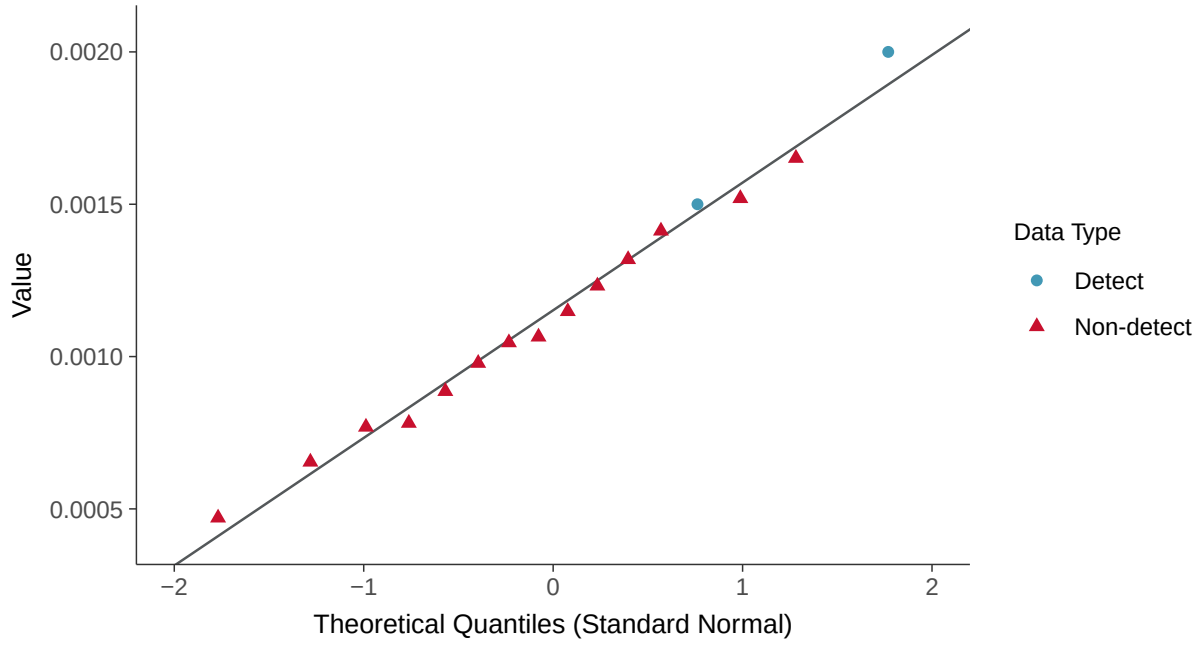
Boxplot by Season

Arsenic, MW-8 (mg/l)



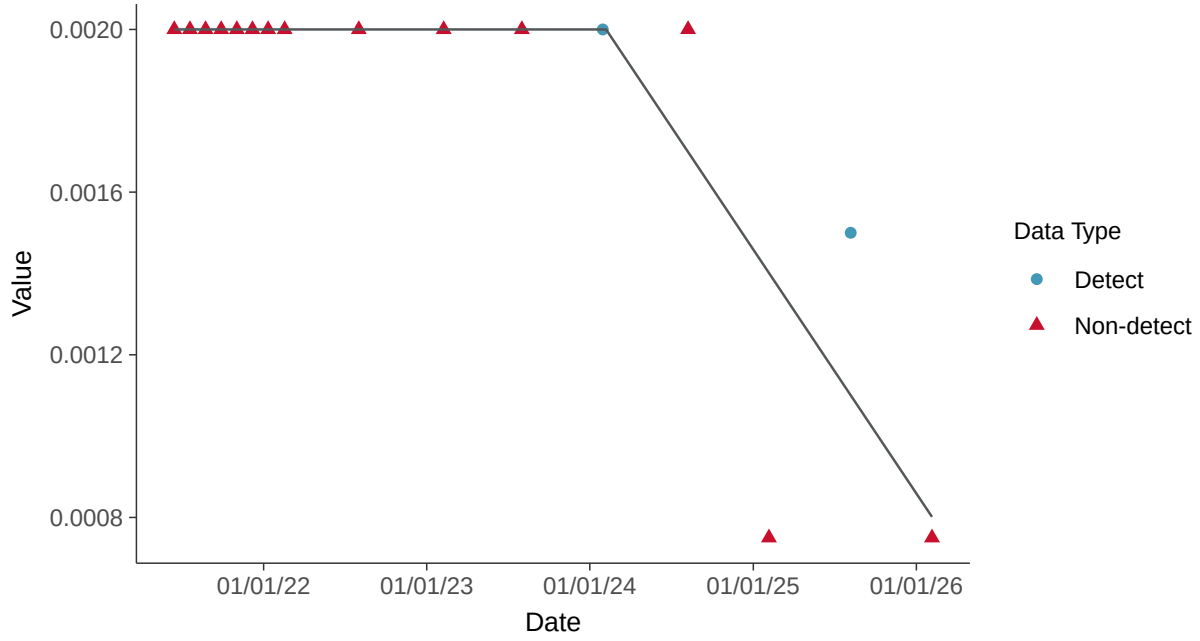
Normal Q-Q plot using ROS Imputed Estimates

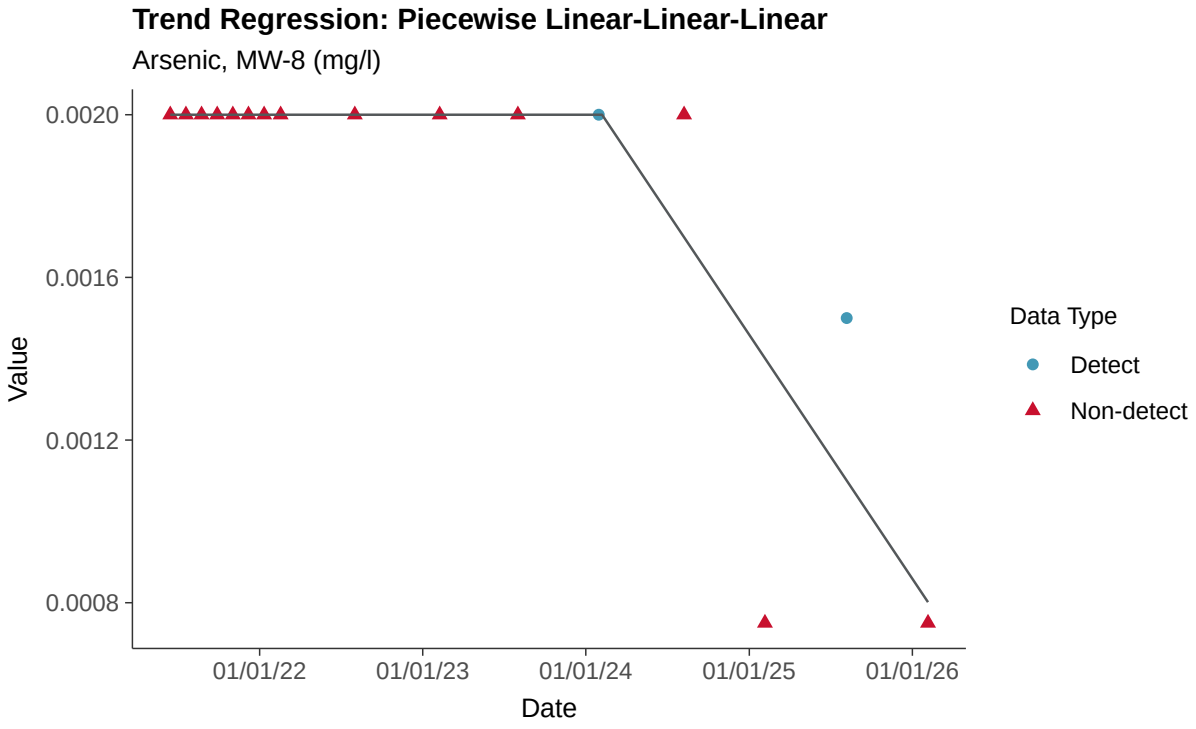
Arsenic, MW-8 (mg/l)



Trend Regression: Piecewise Linear-Linear

Arsenic, MW-8 (mg/l)



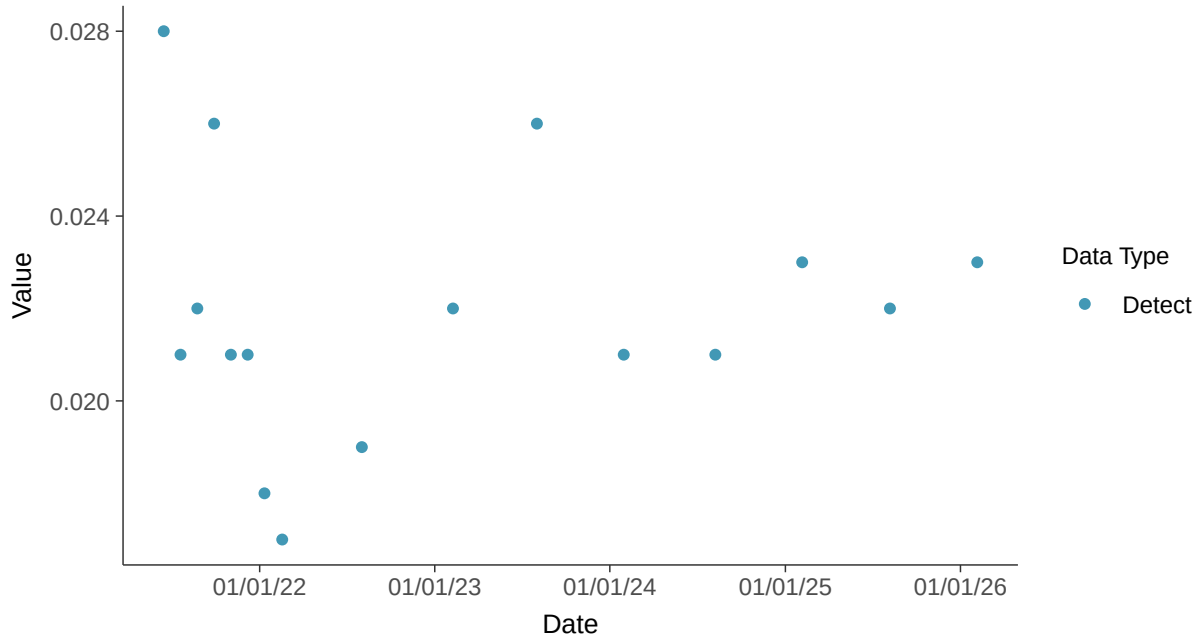

Trend Regression: Piecewise Linear-Linear-Linear
Arsenic, MW-8 (mg/l)
Value
0.0020
0.0016
0.0012
0.0008
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Barium, MW-8

ID: 17_3_103

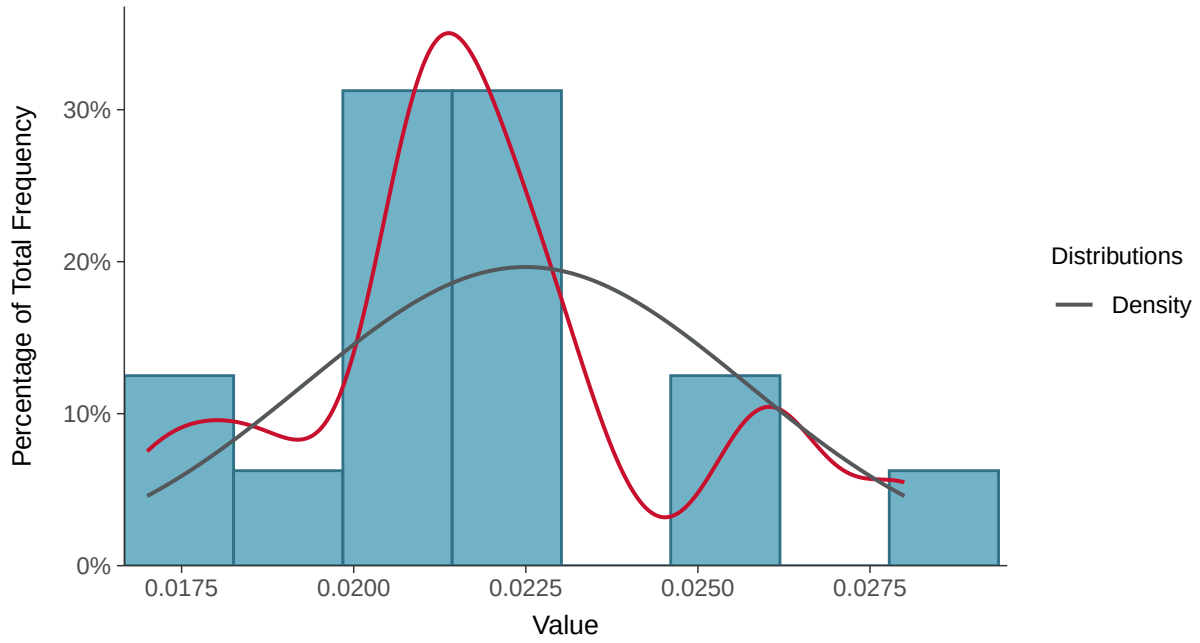
Scatter Plot

Barium, MW-8 (mg/l)



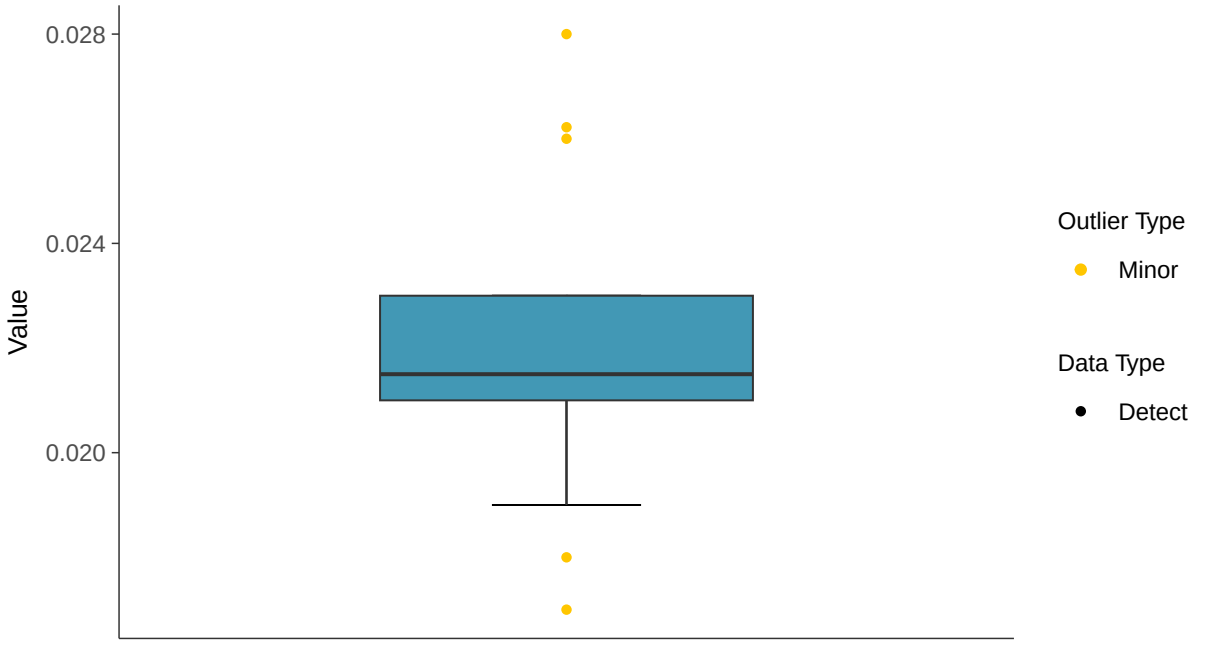
Histogram

Barium, MW-8 (mg/l)



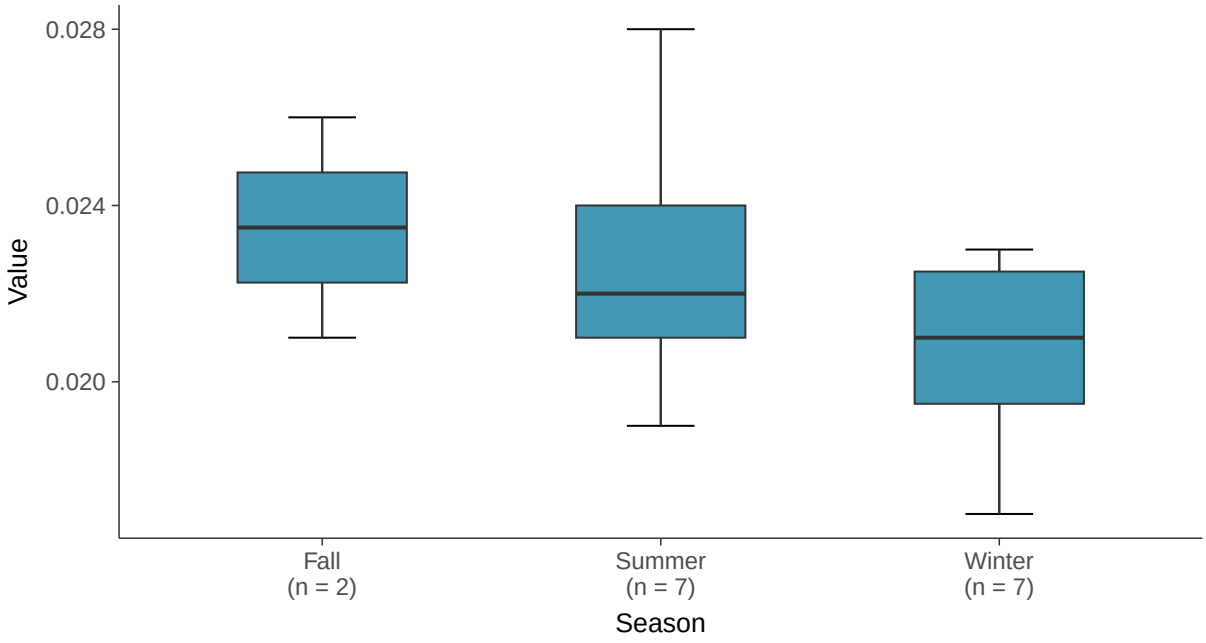
Boxplot

Barium, MW-8 (mg/l)



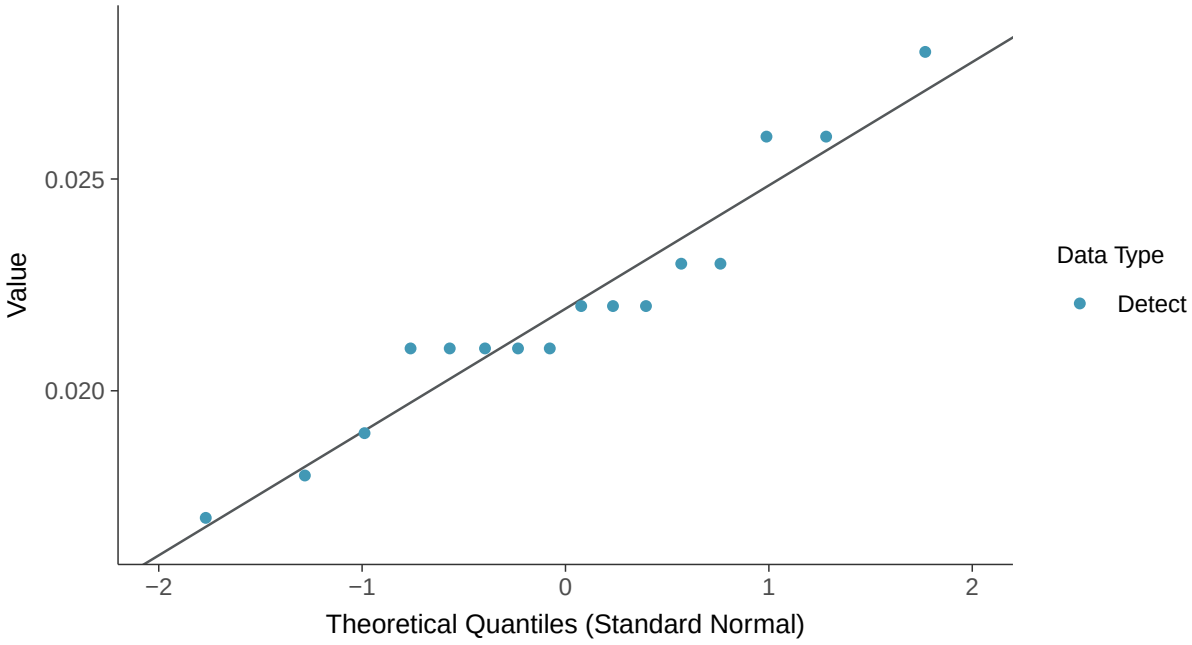
Boxplot by Season

Barium, MW-8 (mg/l)



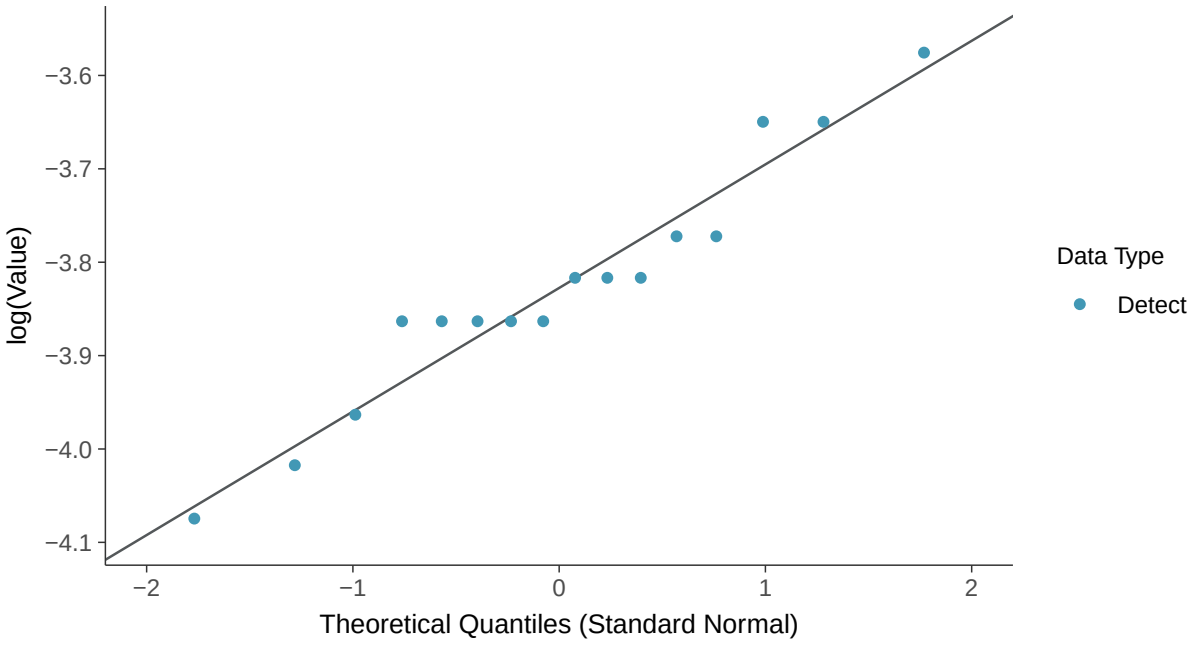
Normal Q-Q plot

Barium, MW-8 (mg/l)



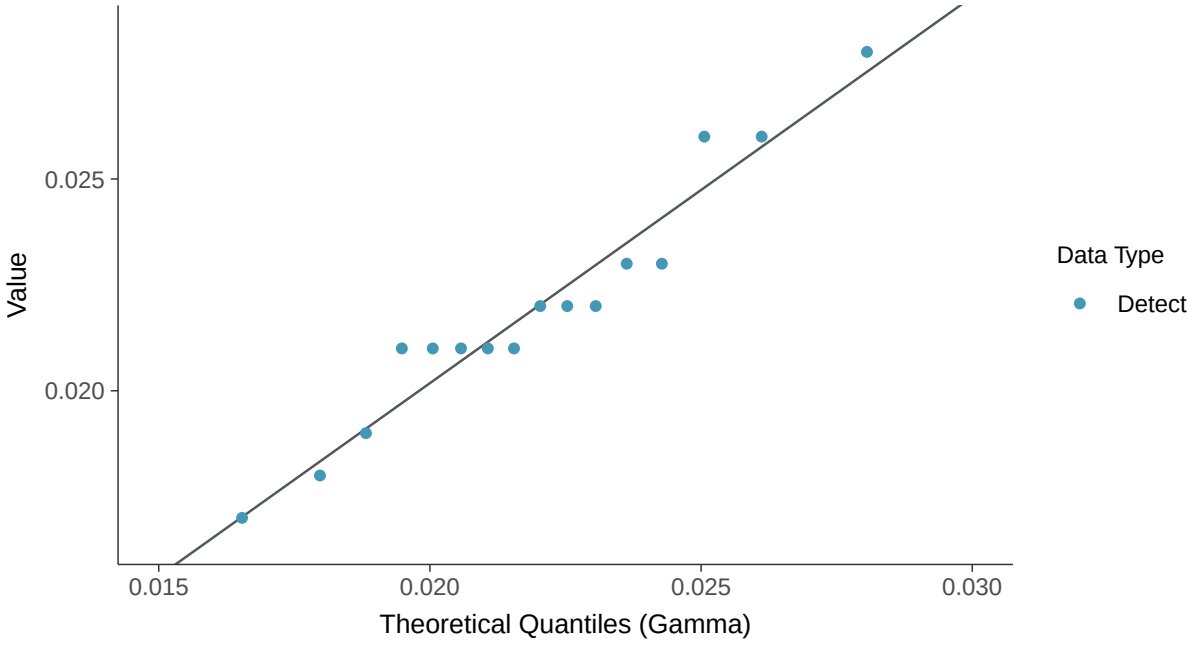
Lognormal Q-Q plot

Barium, MW-8 (mg/l)



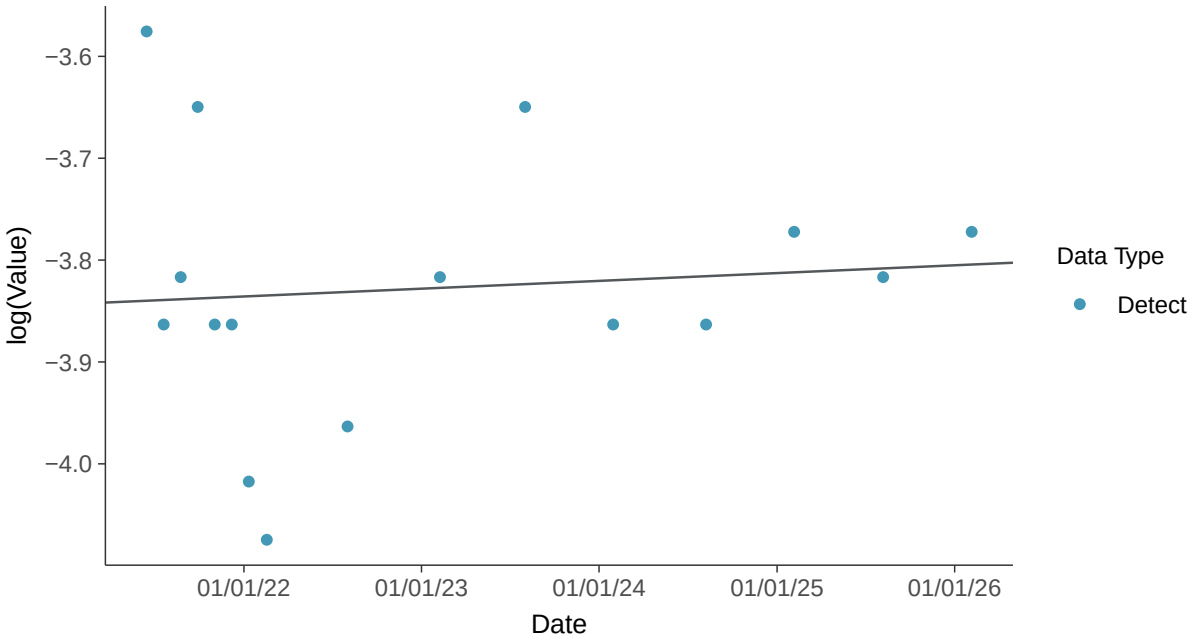
Gamma Q-Q plot

Barium, MW-8 (mg/l)



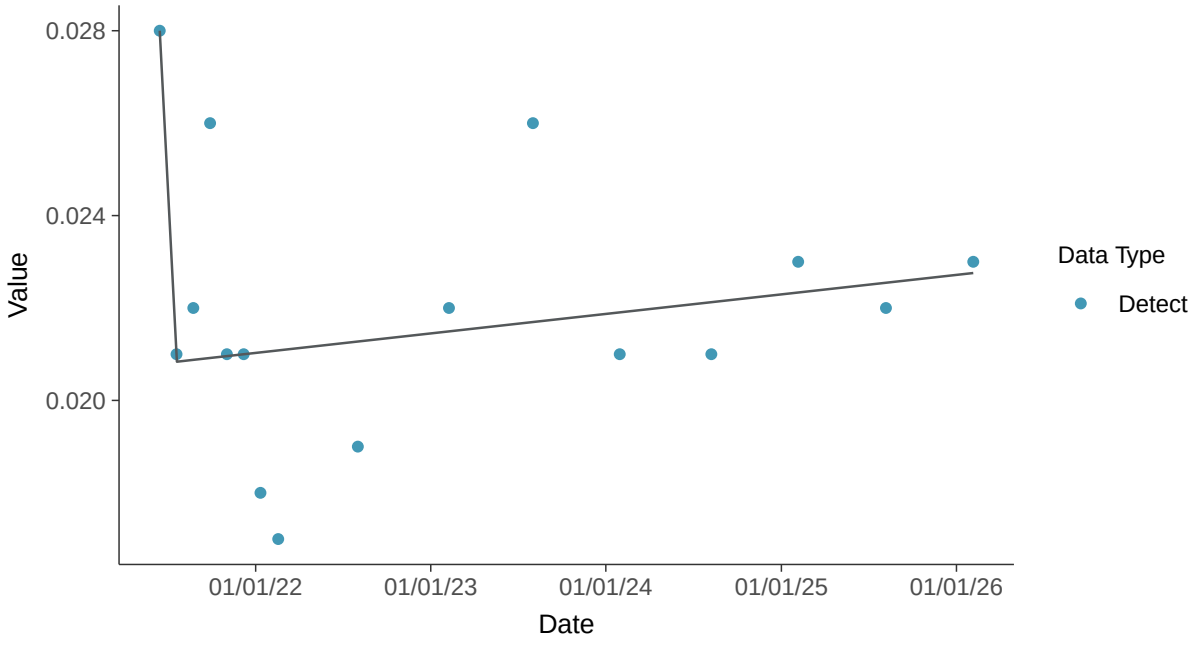
Trend Regression: Lognormal MLE

Barium, MW-8 (mg/l)



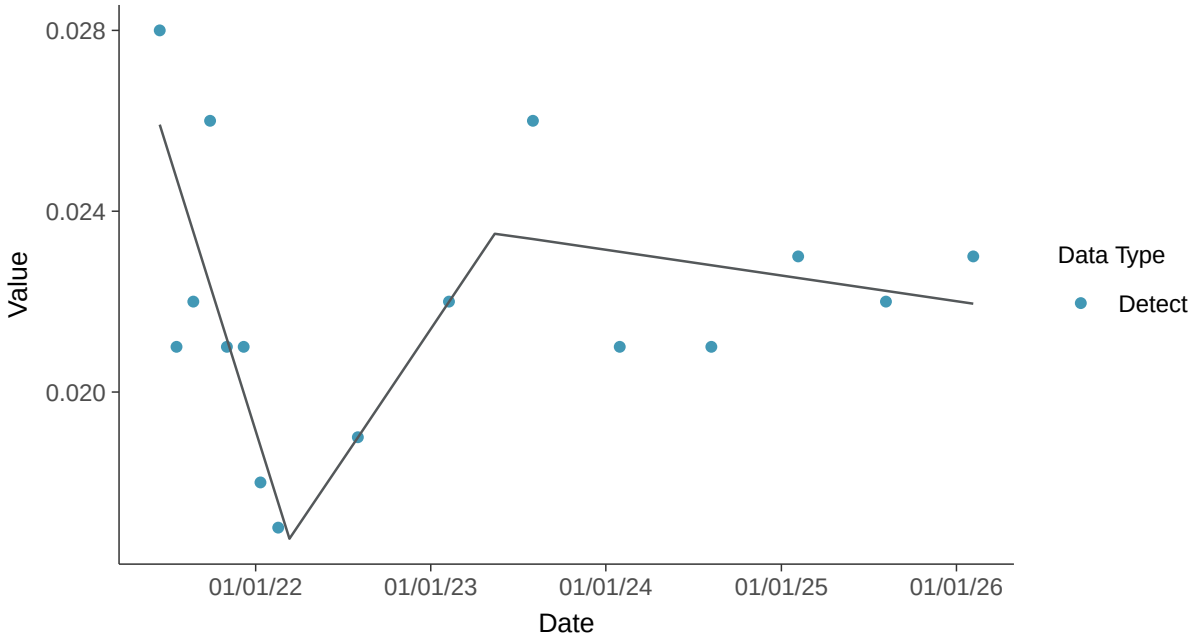
Trend Regression: Piecewise Linear-Linear

Barium, MW-8 (mg/l)



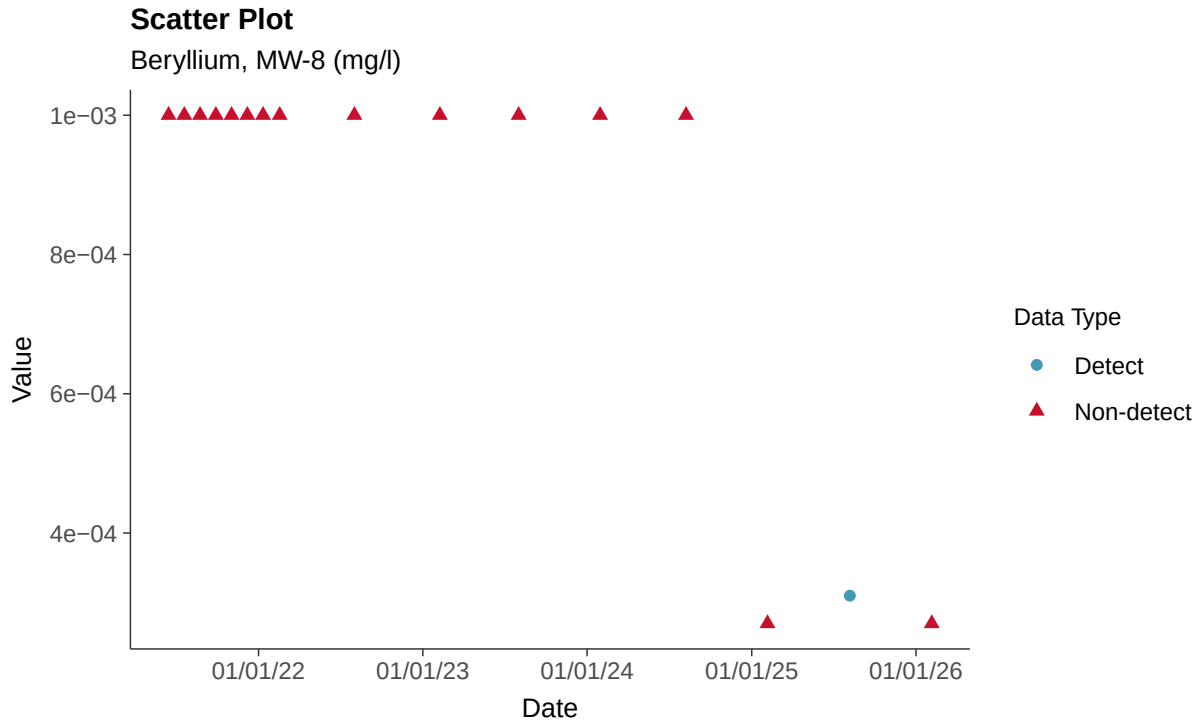
Trend Regression: Piecewise Linear-Linear-Linear

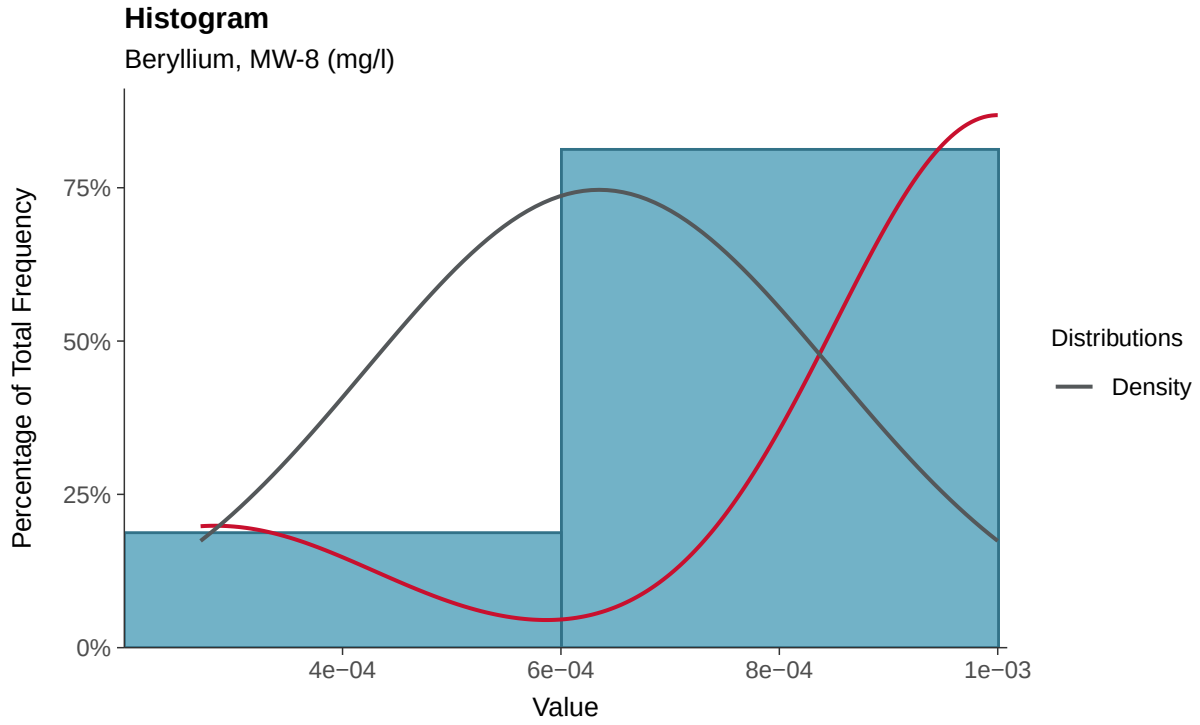
Barium, MW-8 (mg/l)



Appendix IV: Beryllium, MW-8

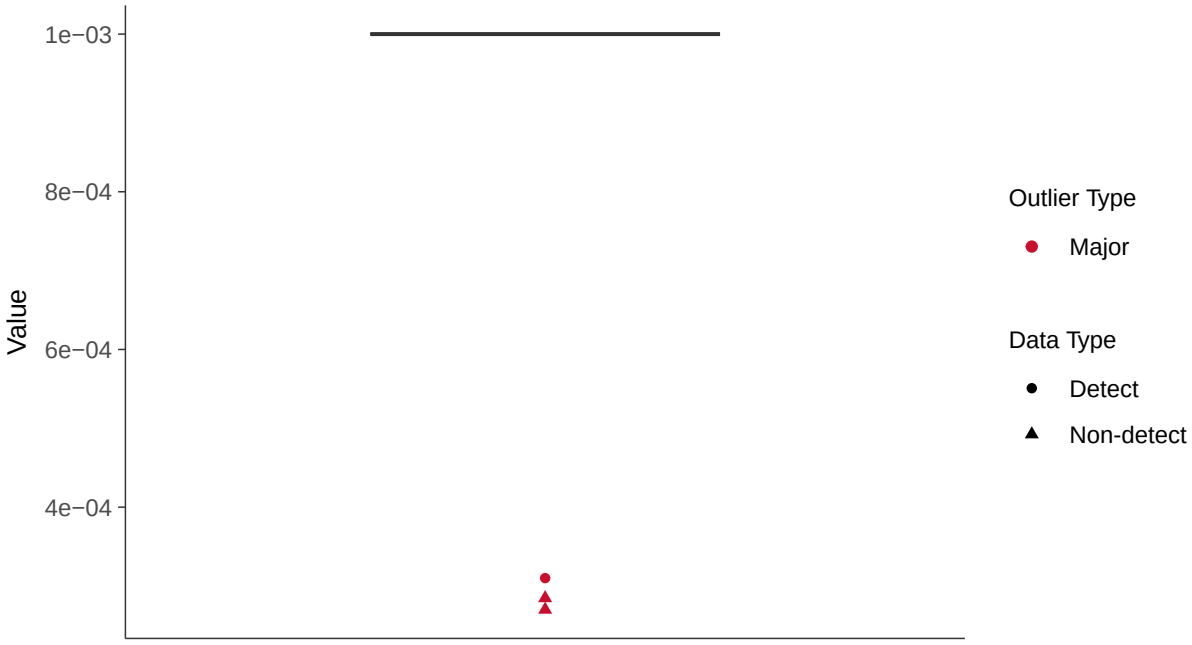
ID: 17_3_104





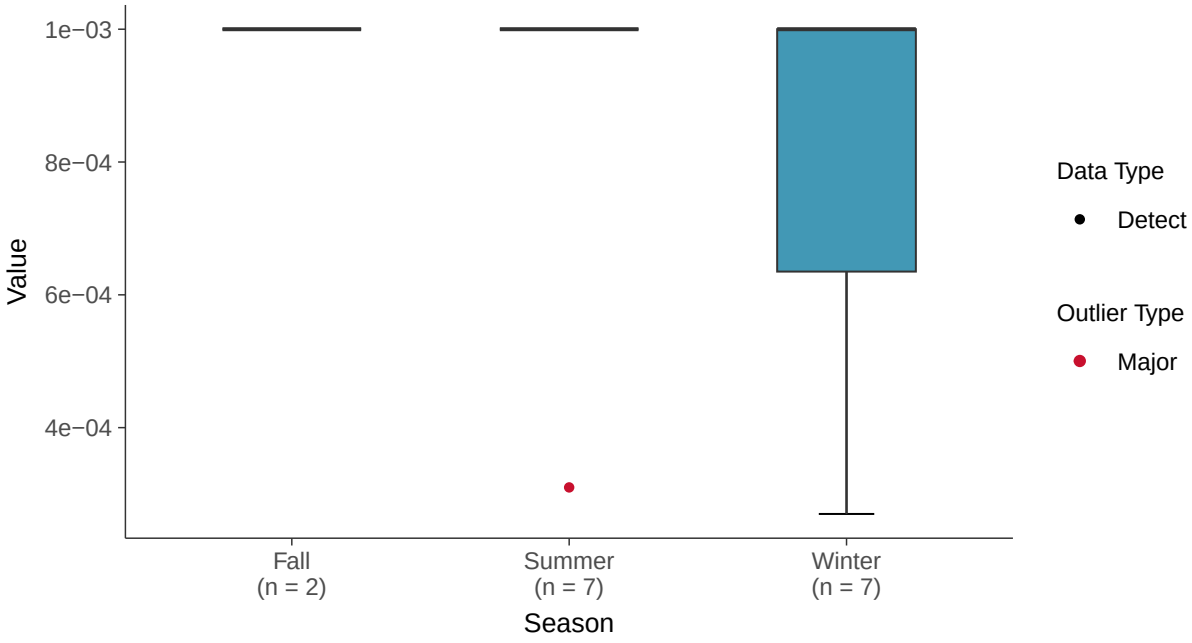
Boxplot

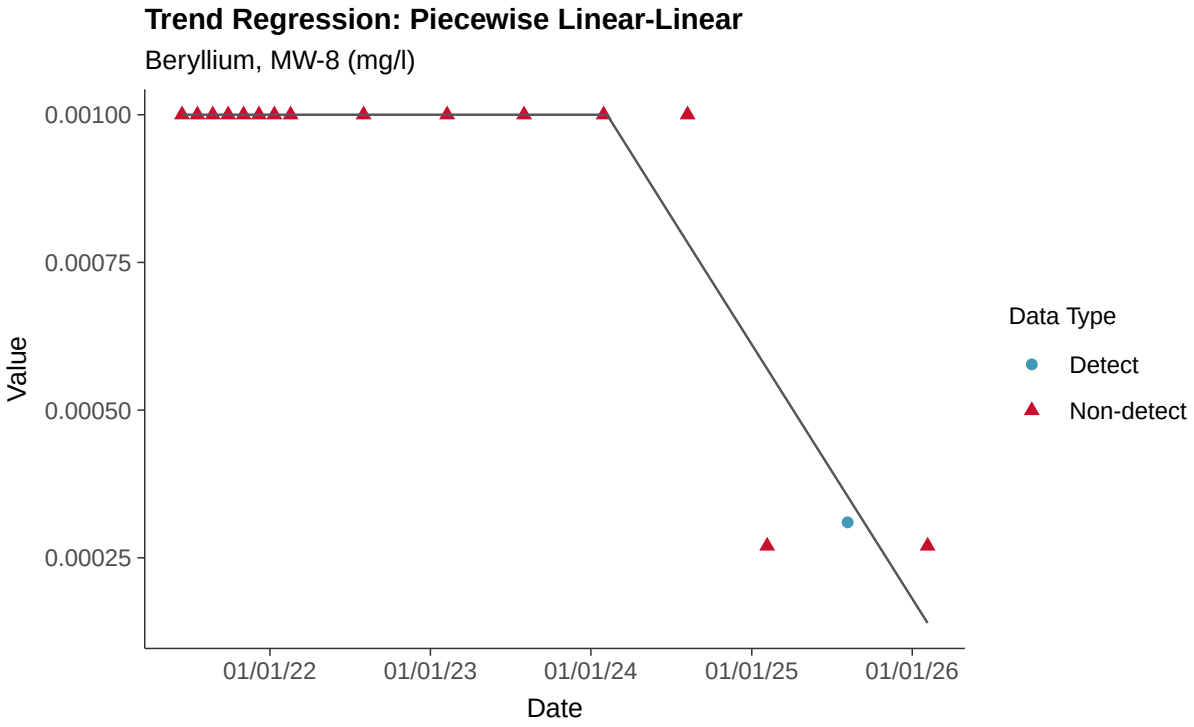
Beryllium, MW-8 (mg/l)



Boxplot by Season

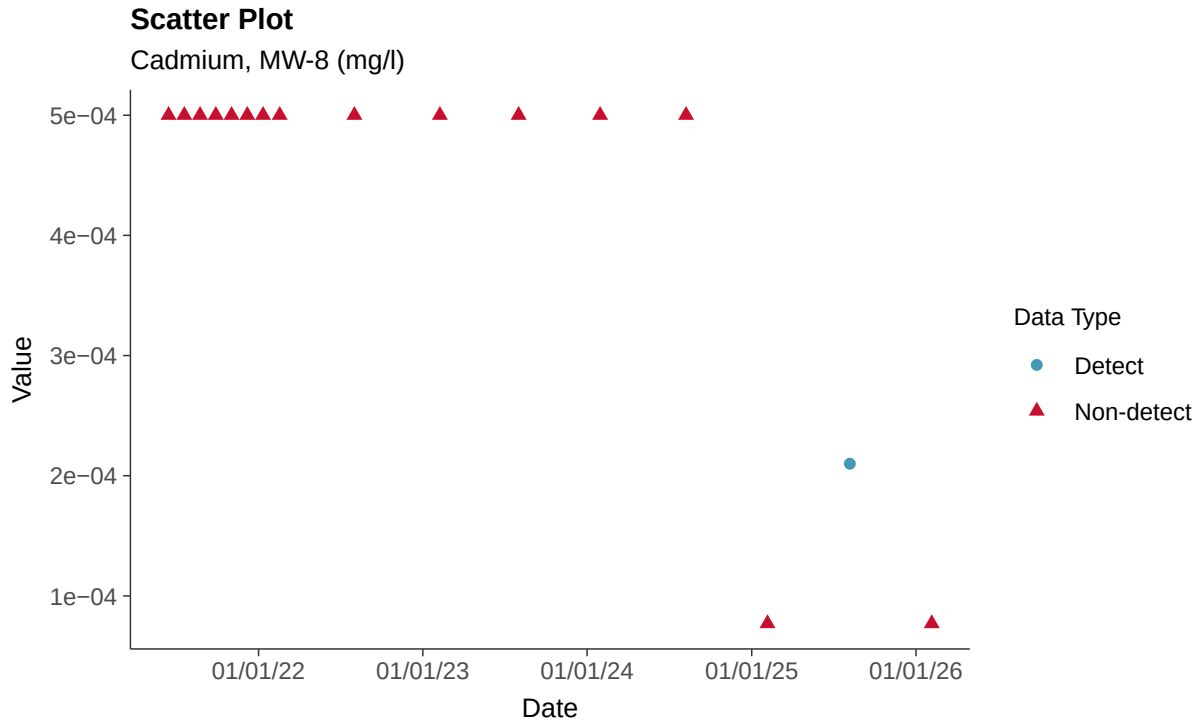
Beryllium, MW-8 (mg/l)

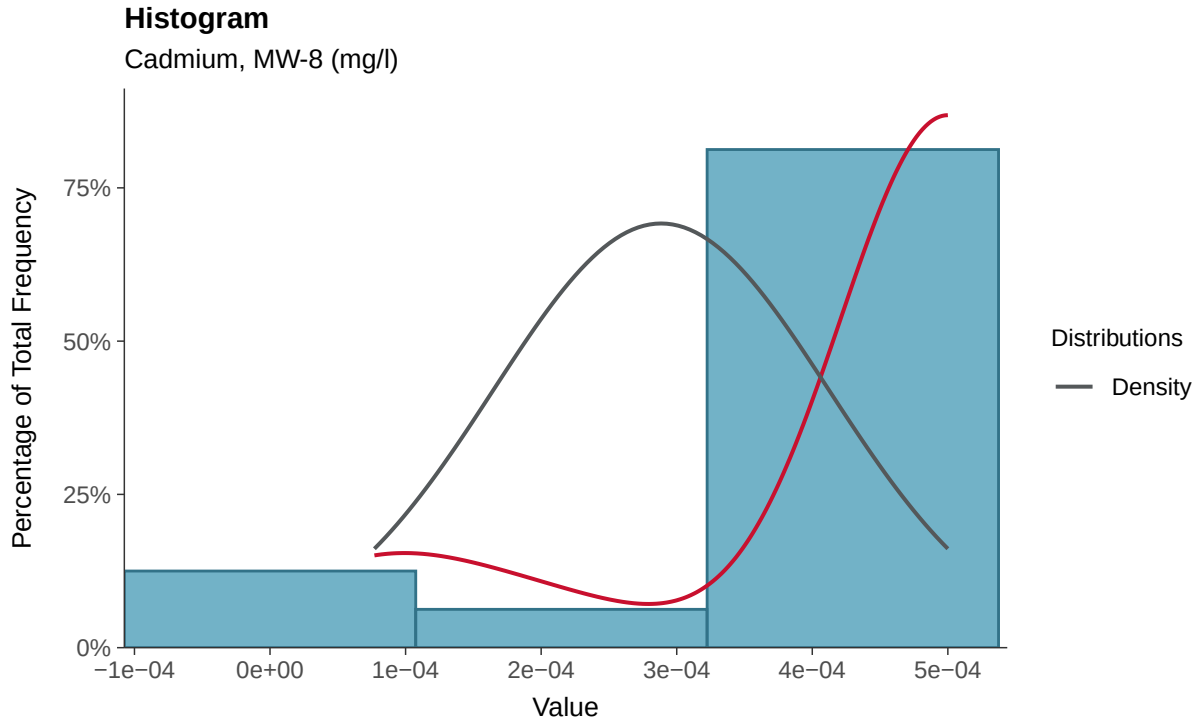



Trend Regression: Piecewise Linear-Linear
Beryllium, MW-8 (mg/l)
0.00100
0.00075
0.00050
0.00025
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Cadmium, MW-8

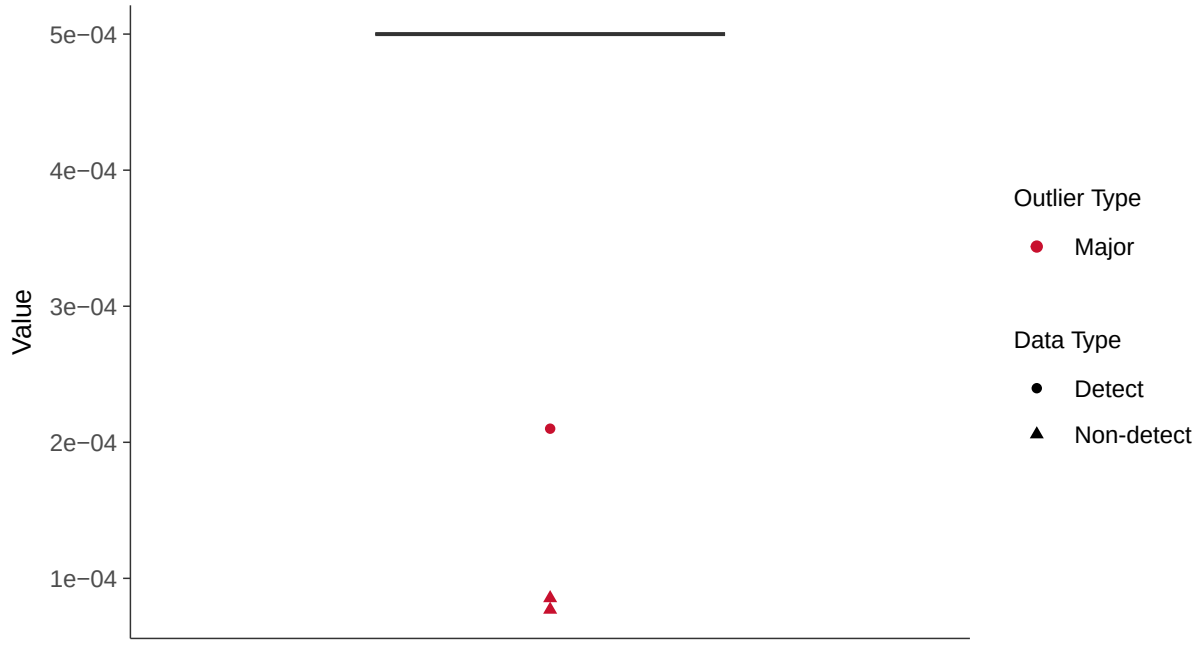
ID: 17_3_106





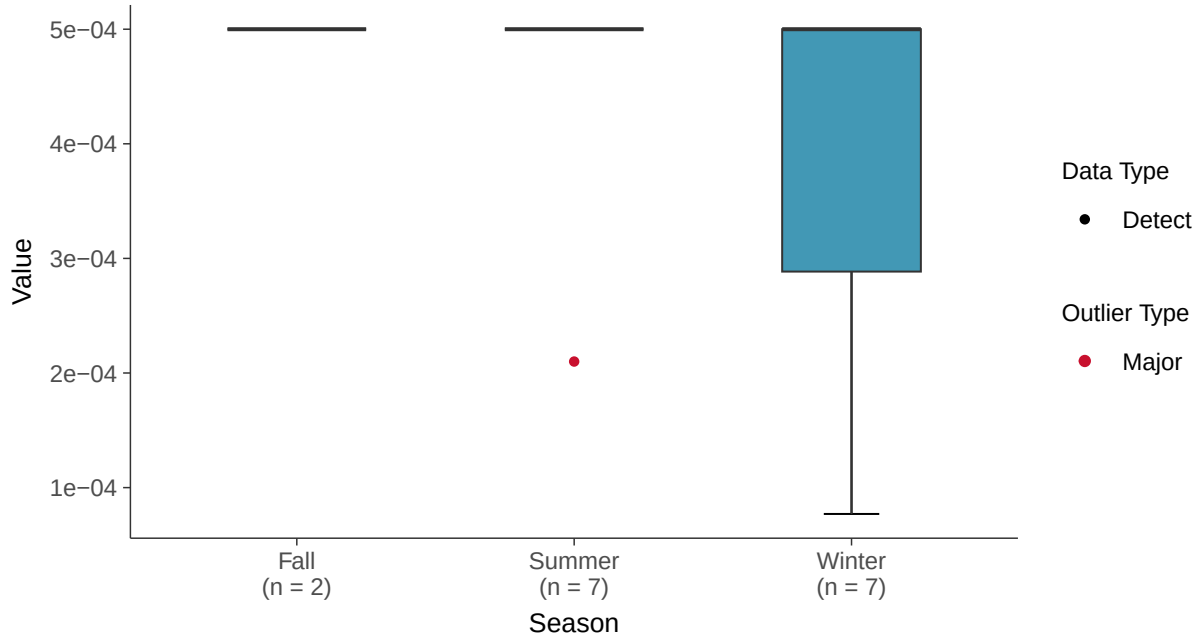
Boxplot

Cadmium, MW-8 (mg/l)



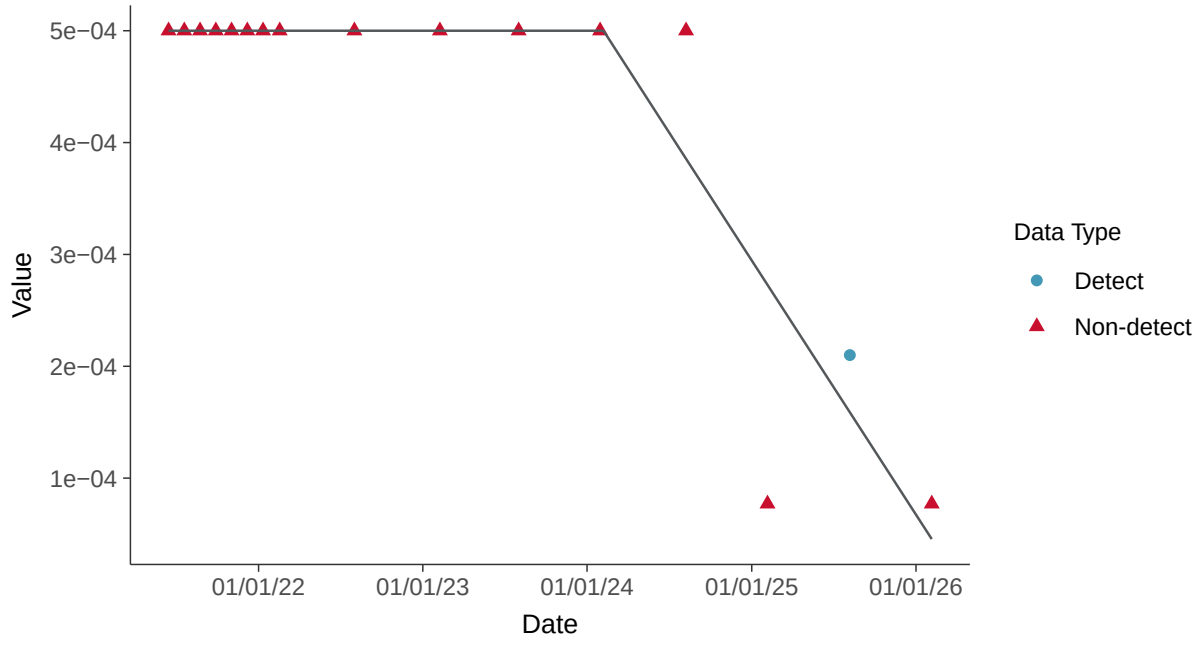
Boxplot by Season

Cadmium, MW-8 (mg/l)



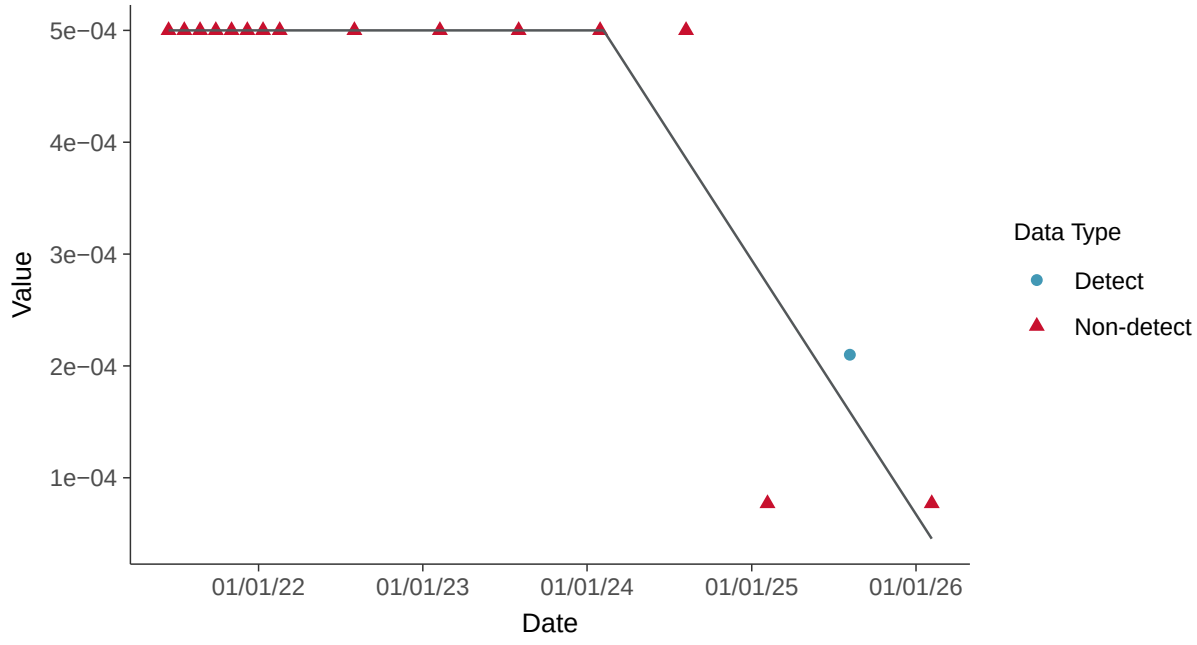
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-8 (mg/l)



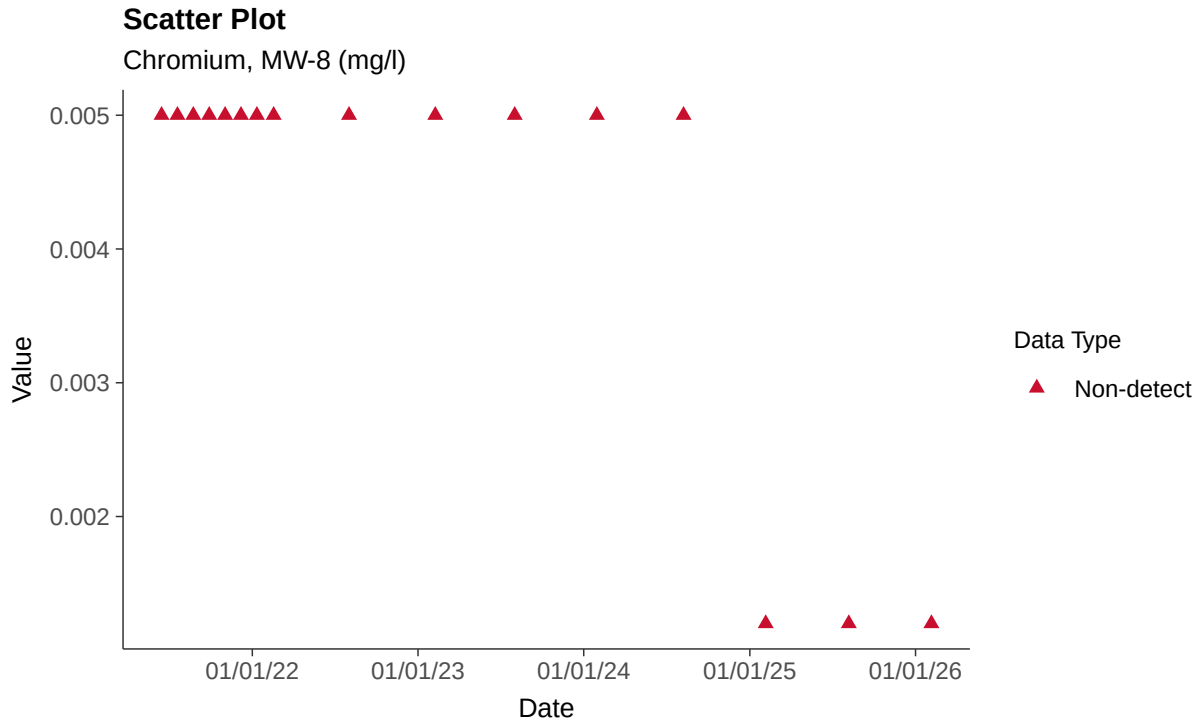
Trend Regression: Piecewise Linear-Linear-Linear

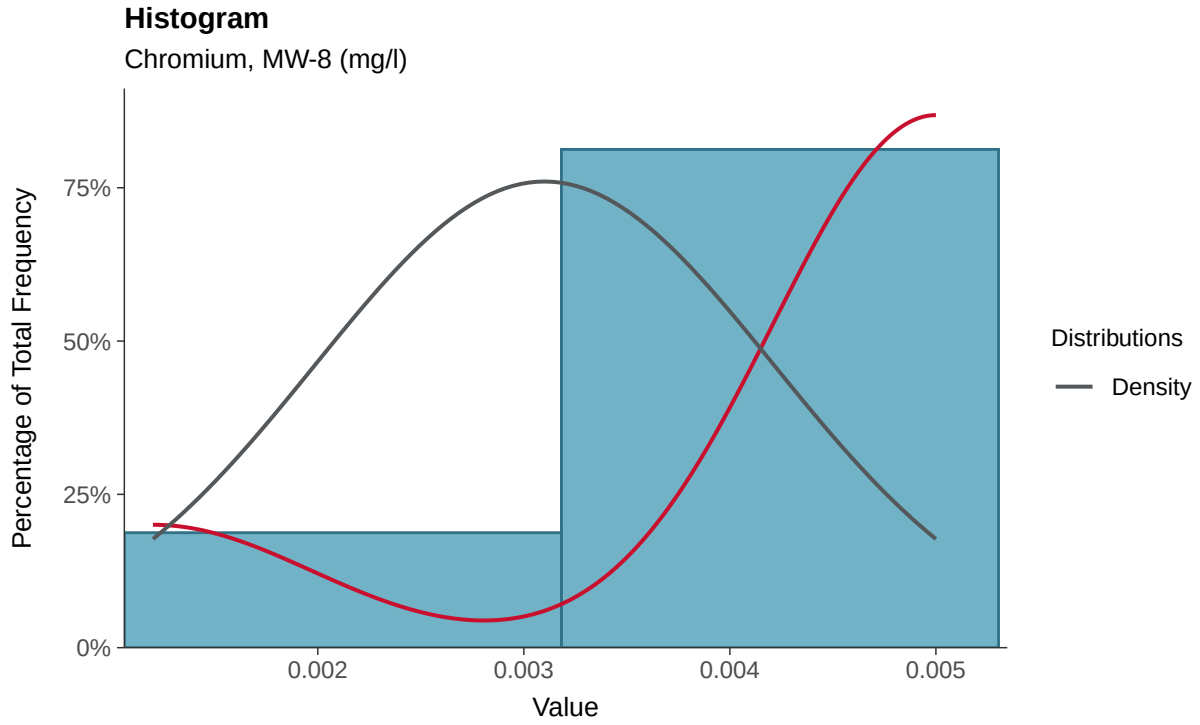
Cadmium, MW-8 (mg/l)



Appendix IV: Chromium, MW-8

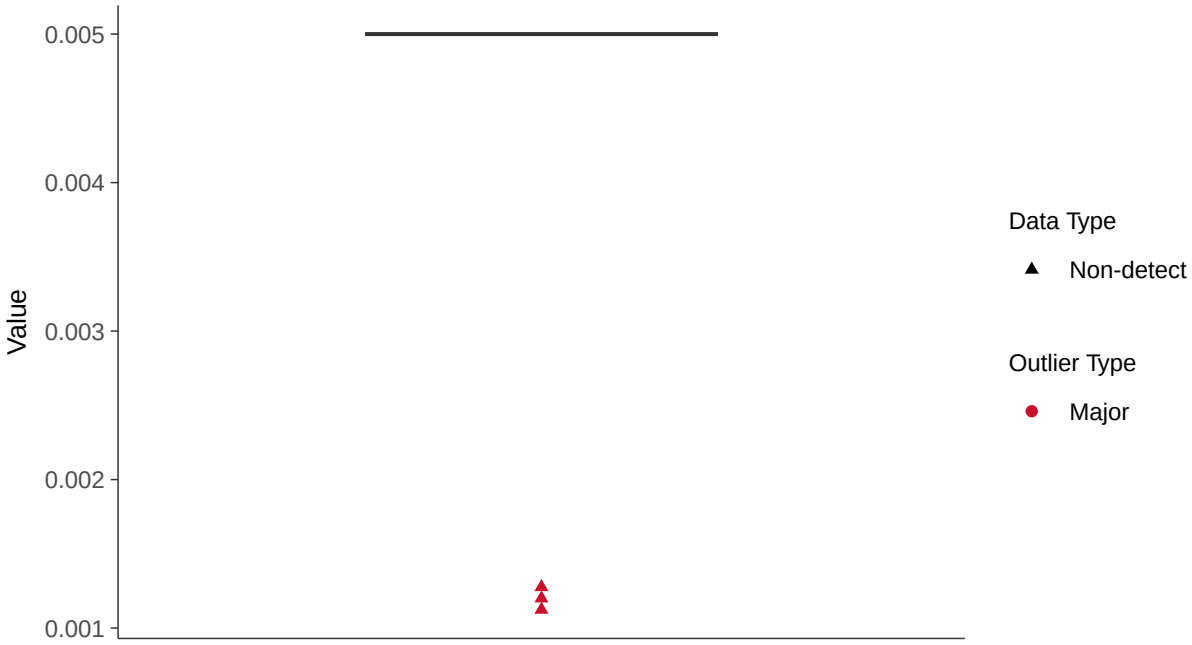
ID: 17_3_109





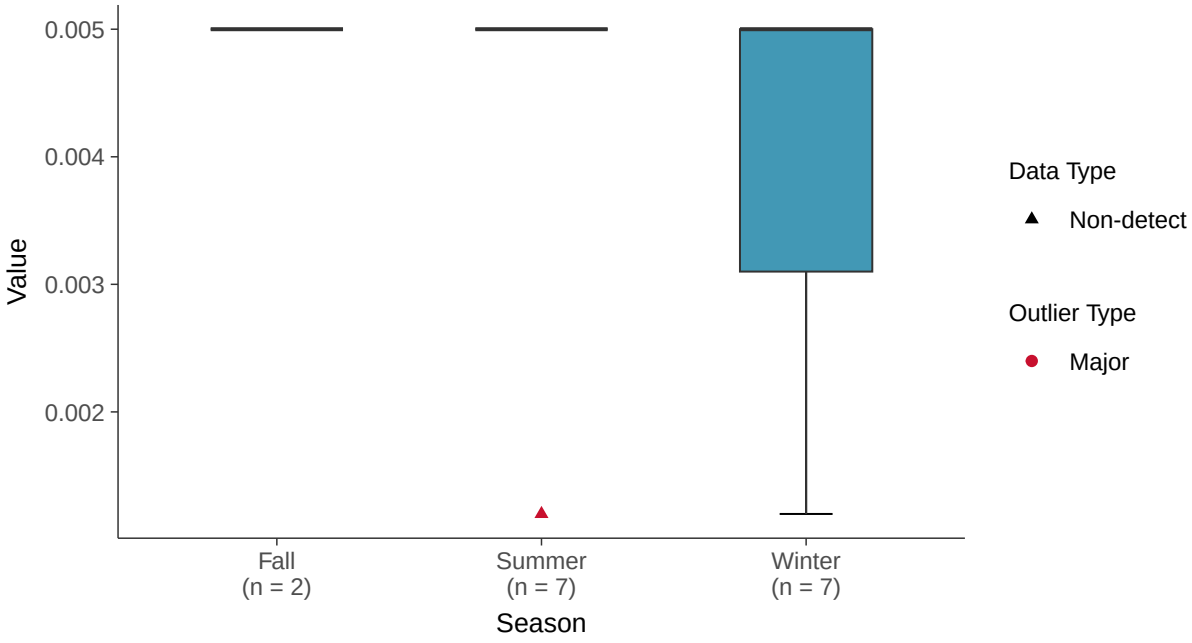
Boxplot

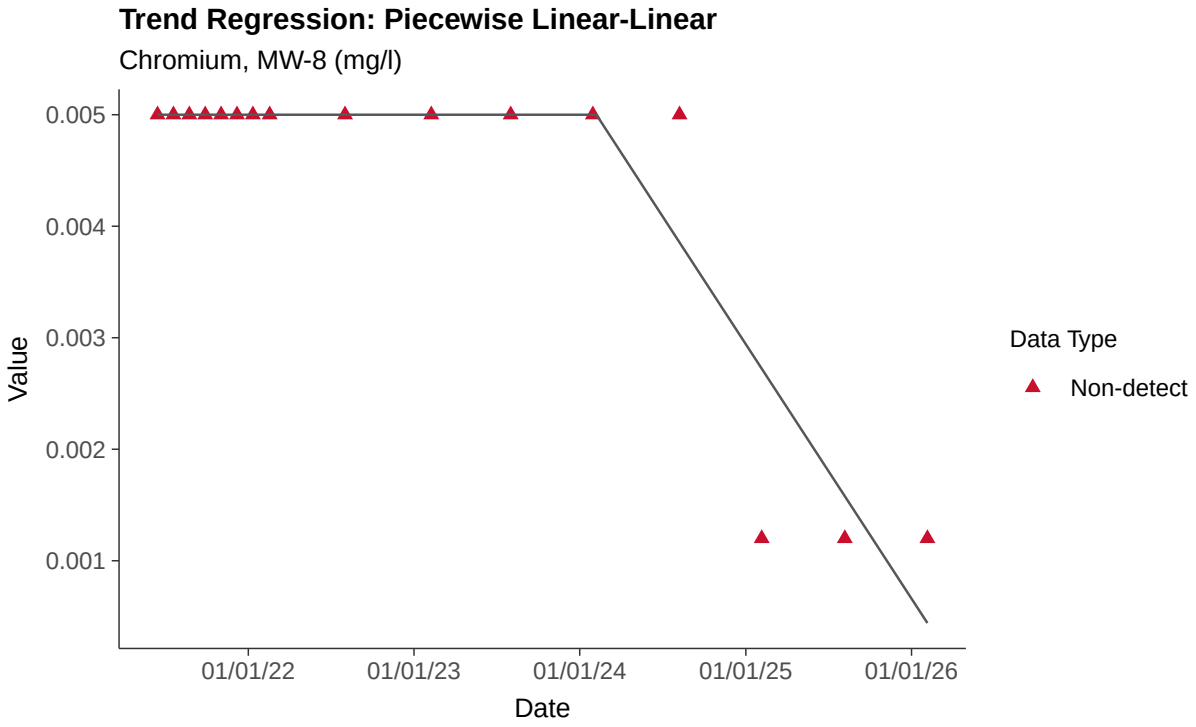
Chromium, MW-8 (mg/l)



Boxplot by Season

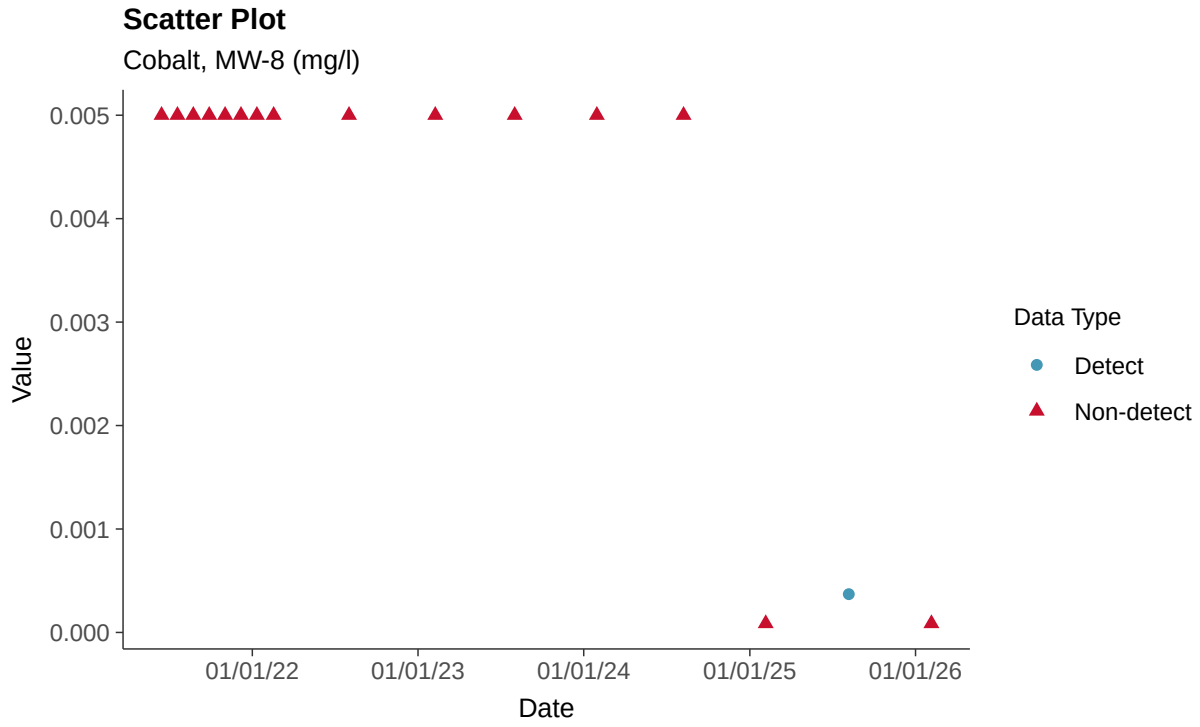
Chromium, MW-8 (mg/l)

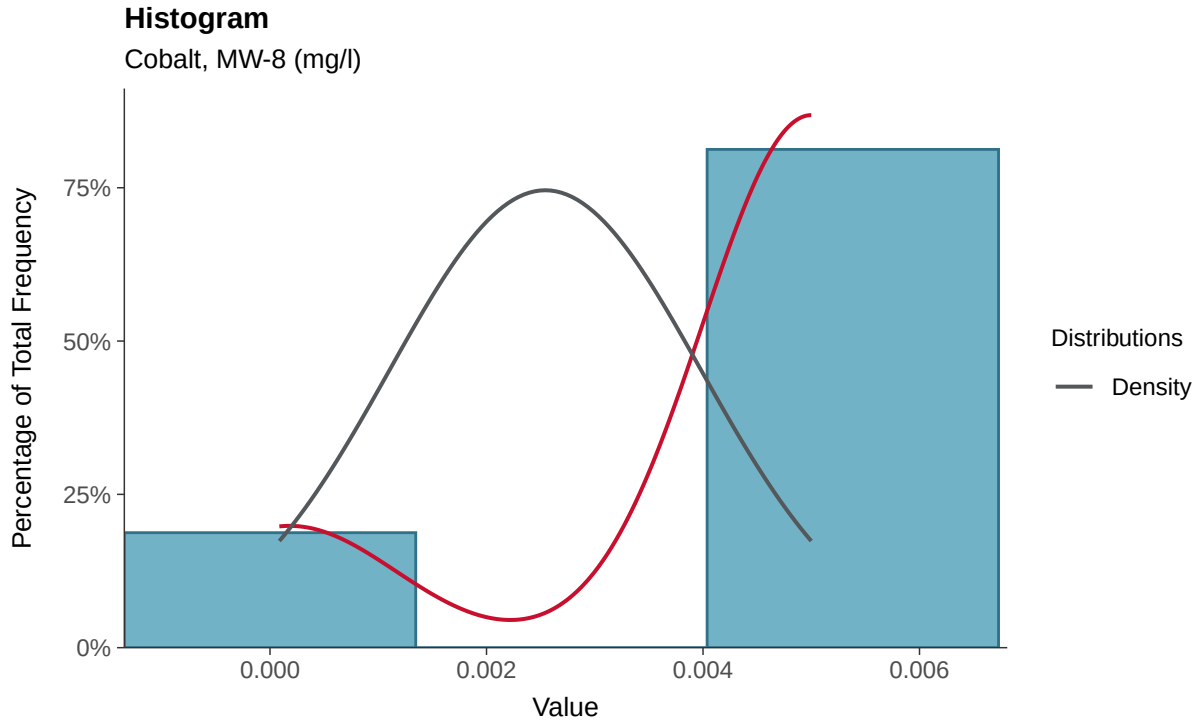



Trend Regression: Piecewise Linear-Linear
Chromium, MW-8 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cobalt, MW-8

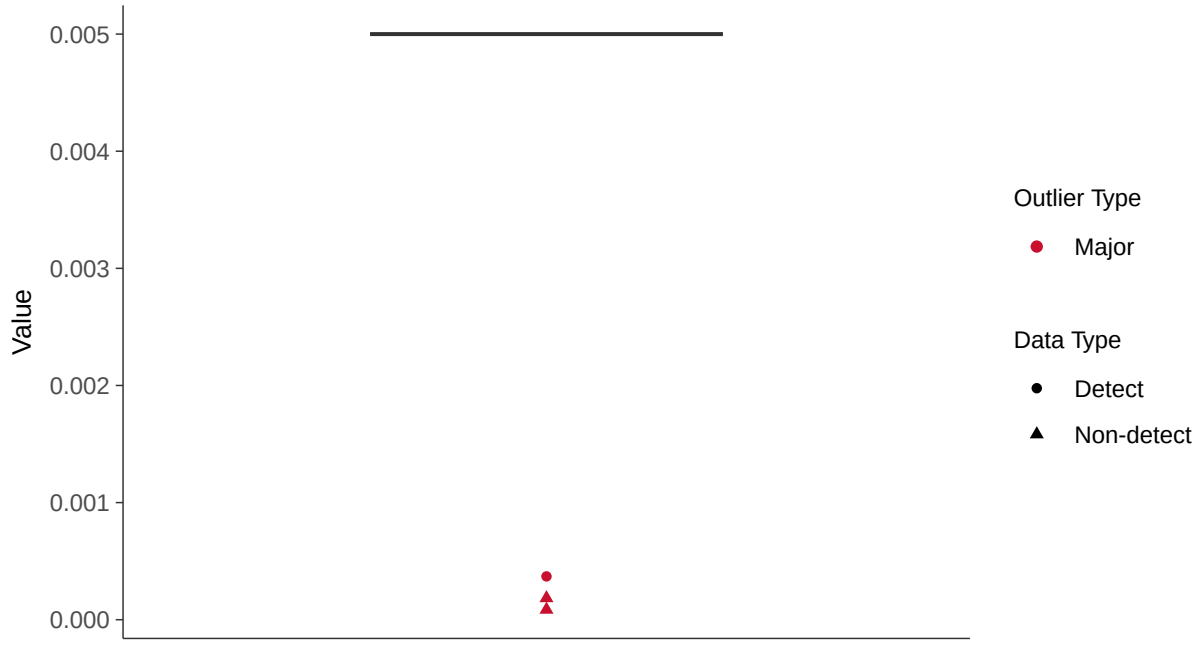
ID: 17_3_110





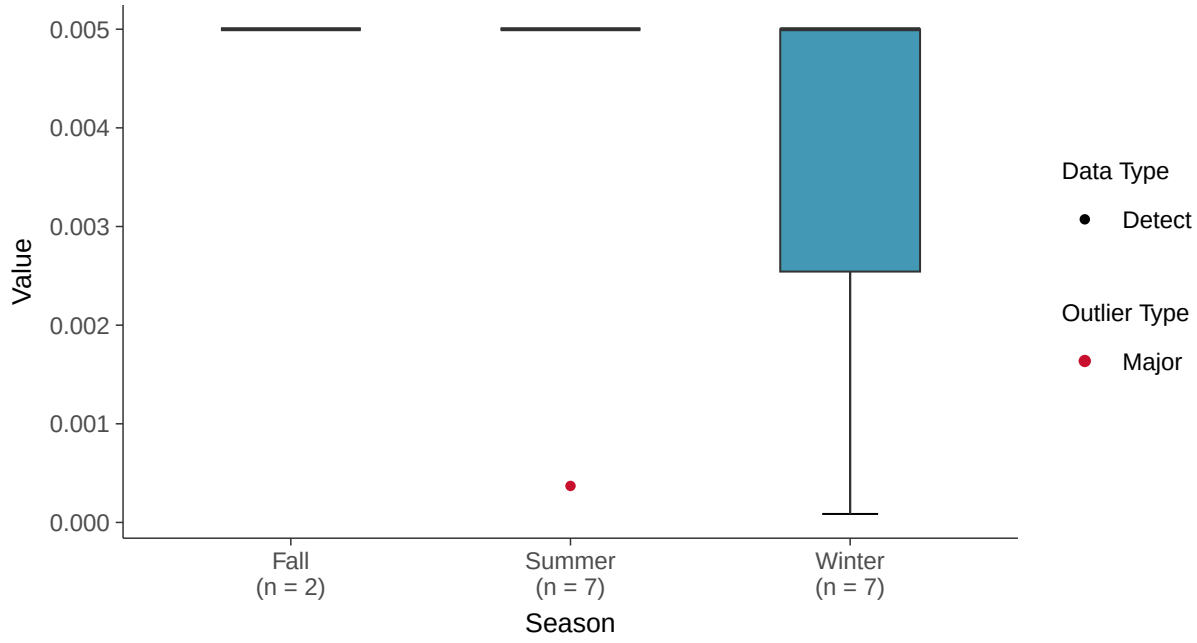
Boxplot

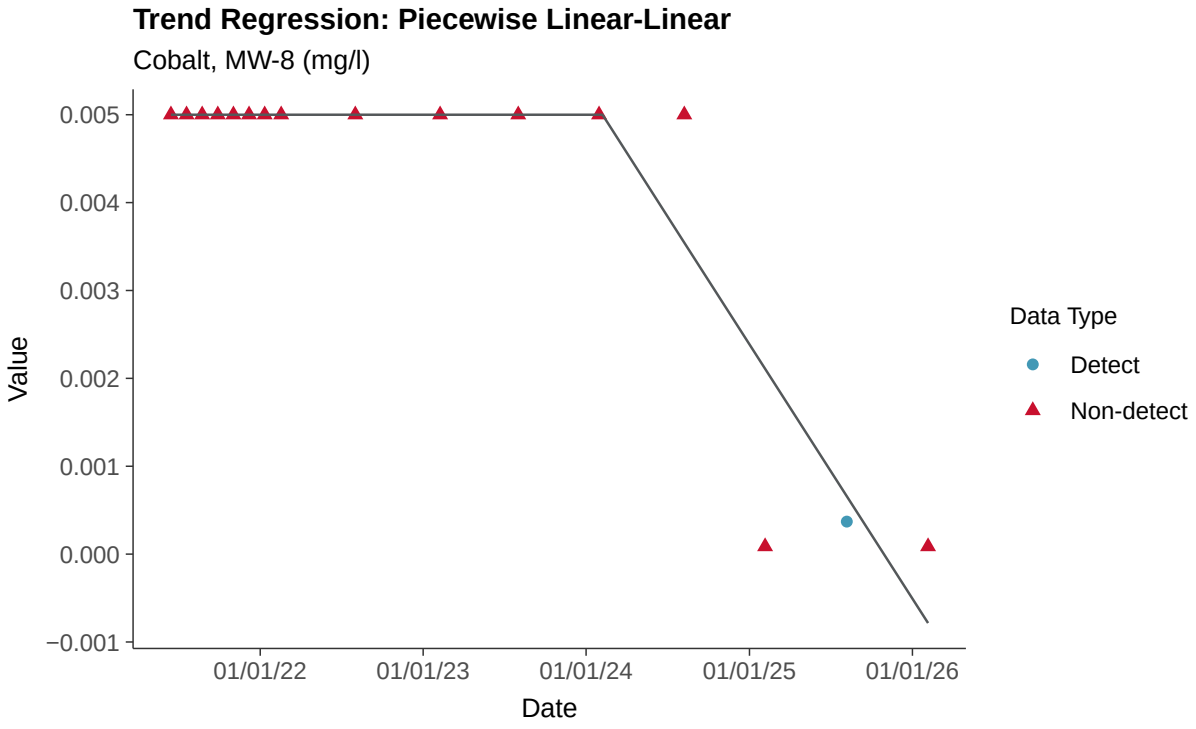
Cobalt, MW-8 (mg/l)



Boxplot by Season

Cobalt, MW-8 (mg/l)



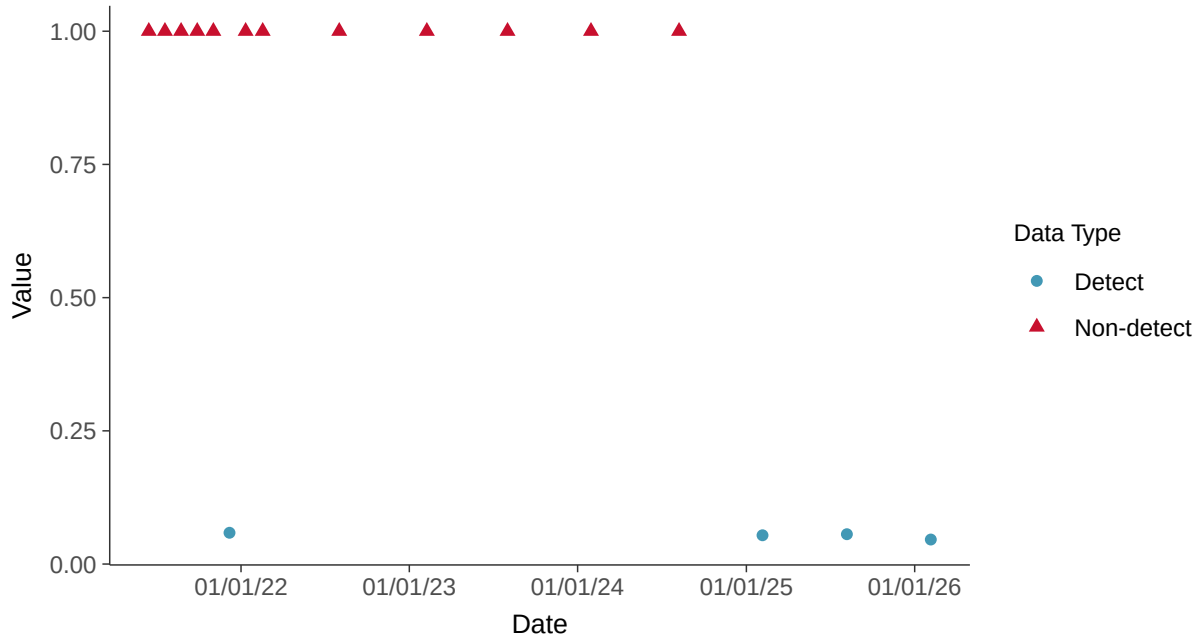

Trend Regression: Piecewise Linear-Linear
Cobalt, MW-8 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
−0.001
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Fluoride (App IV), MW-8

ID: 17_3_113

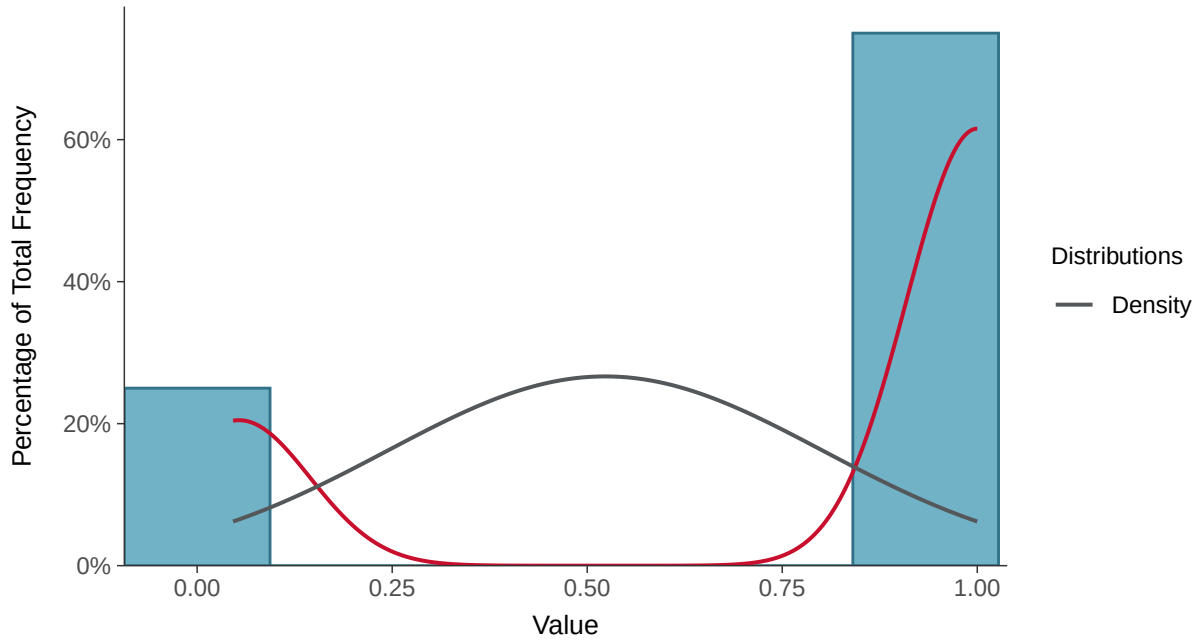
Scatter Plot

Fluoride (App IV), MW-8 (mg/l)



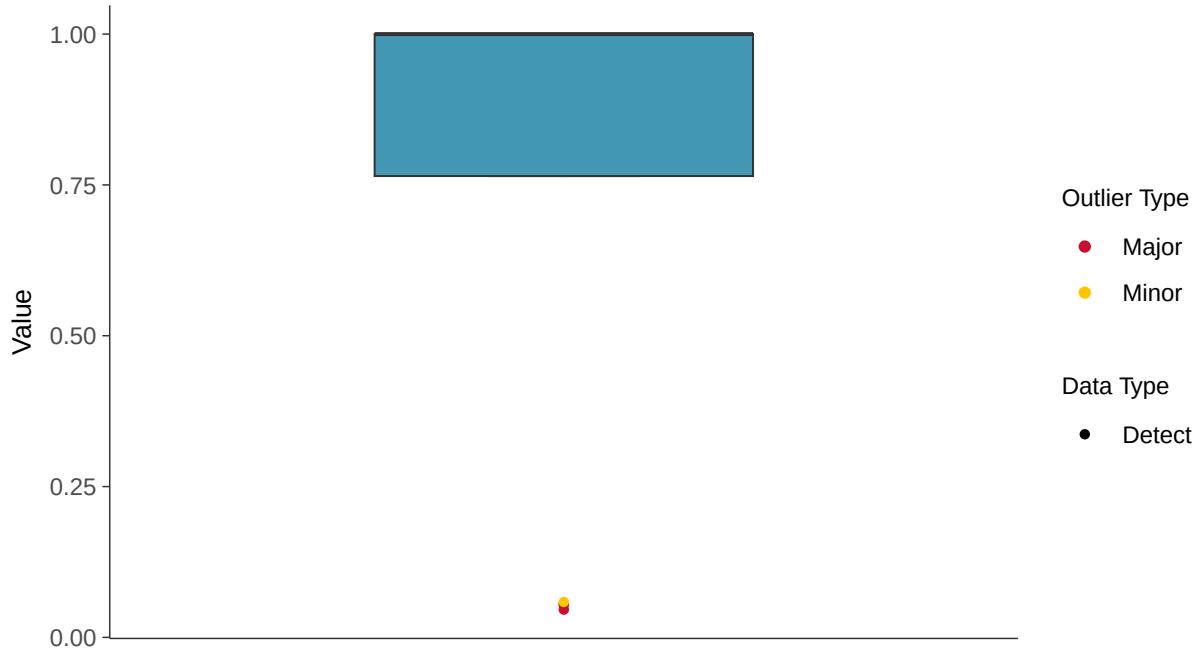
Histogram

Fluoride (App IV), MW-8 (mg/l)



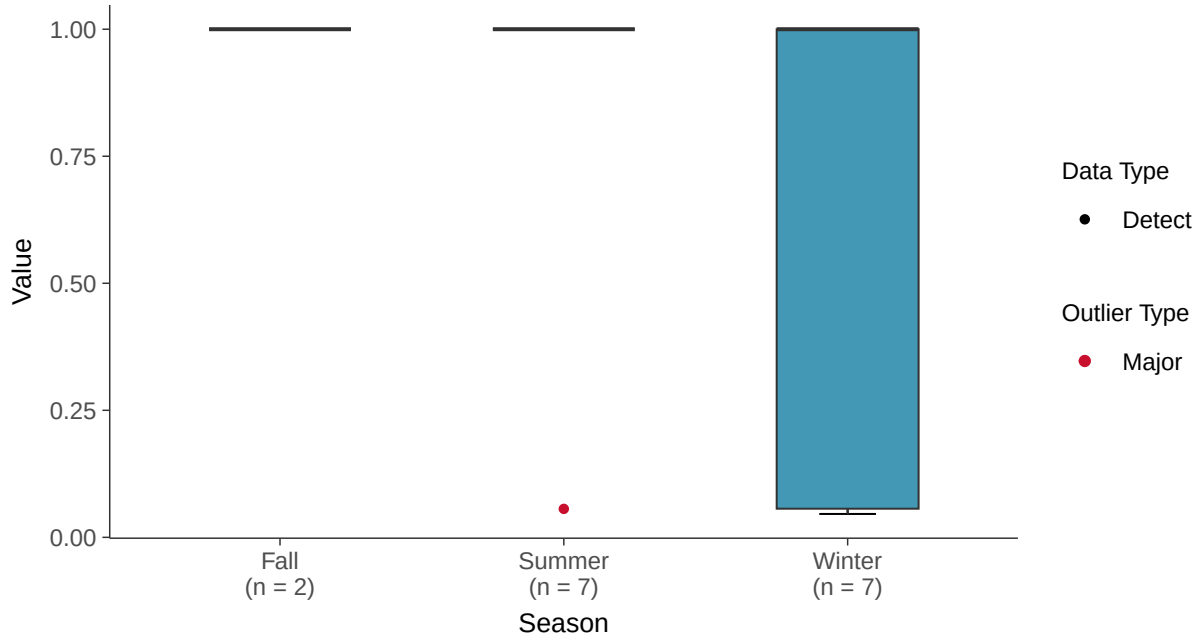
Boxplot

Fluoride (App IV), MW-8 (mg/l)



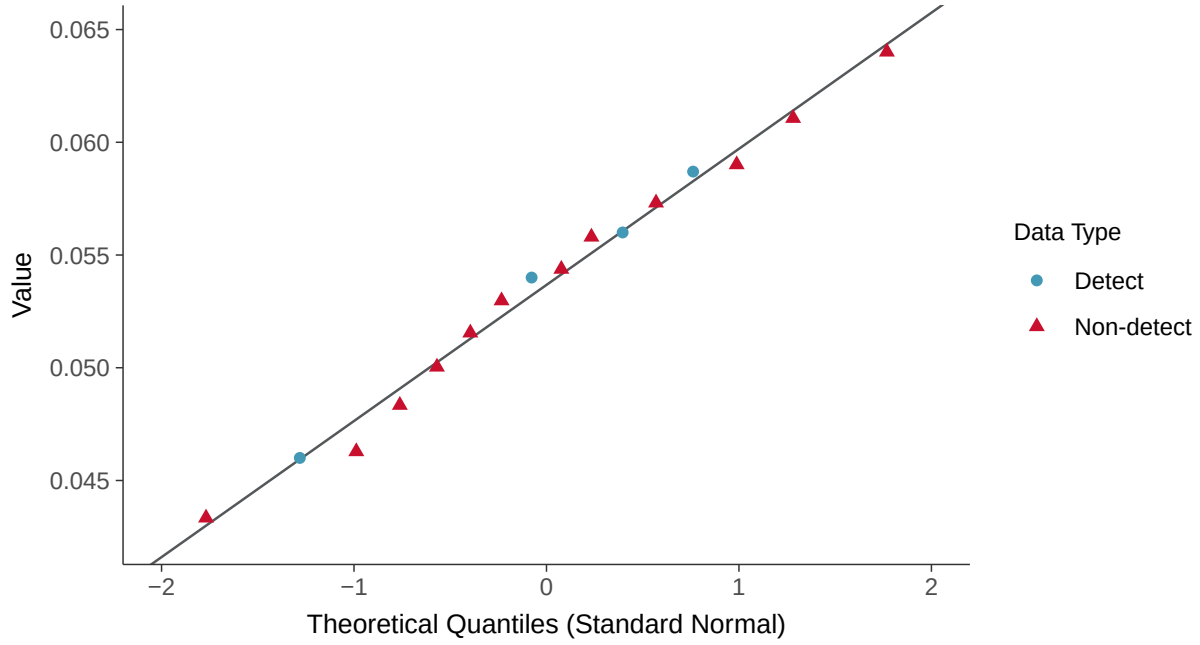
Boxplot by Season

Fluoride (App IV), MW-8 (mg/l)



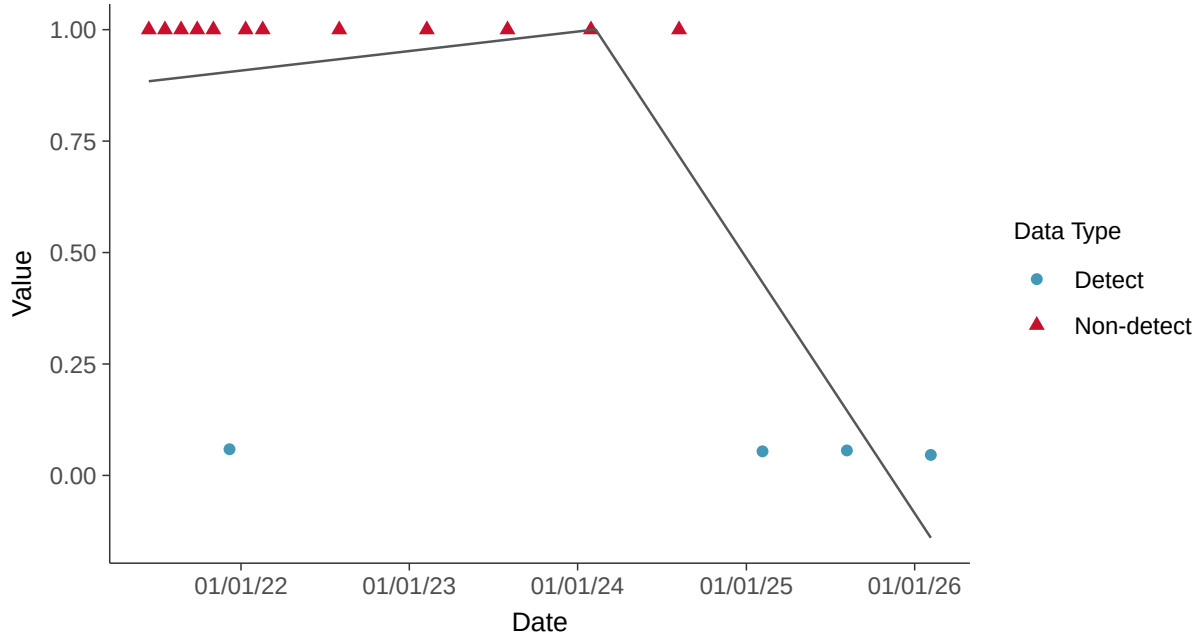
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-8 (mg/l)



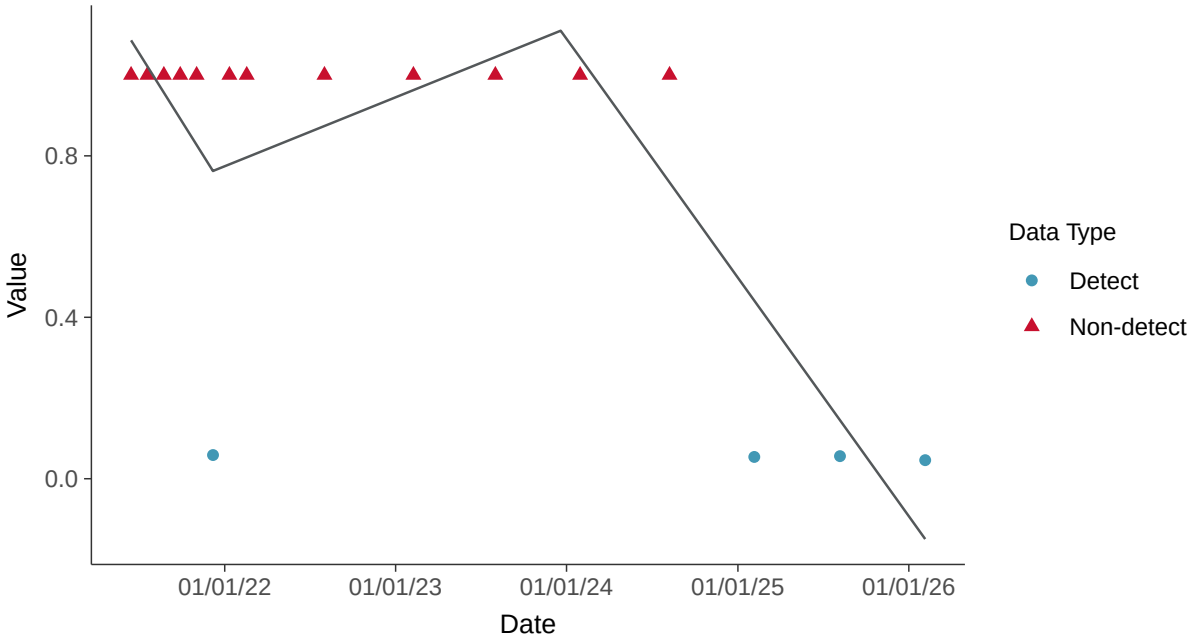
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-8 (mg/l)



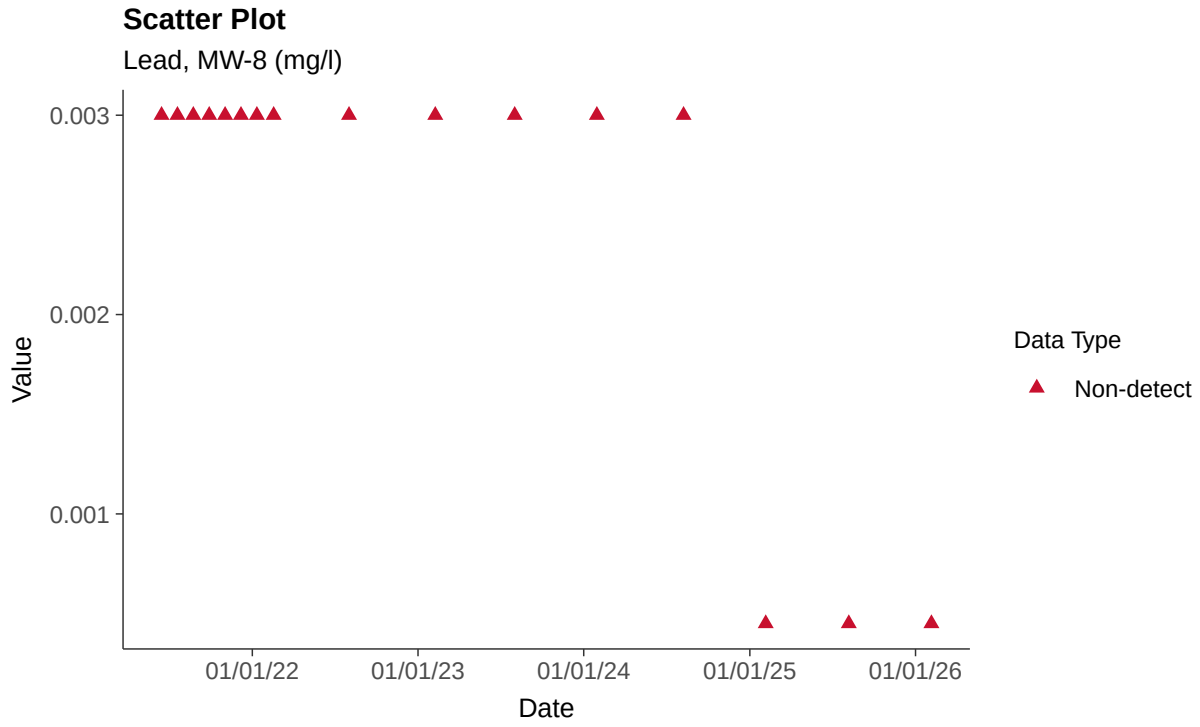
Trend Regression: Piecewise Linear-Linear-Linear

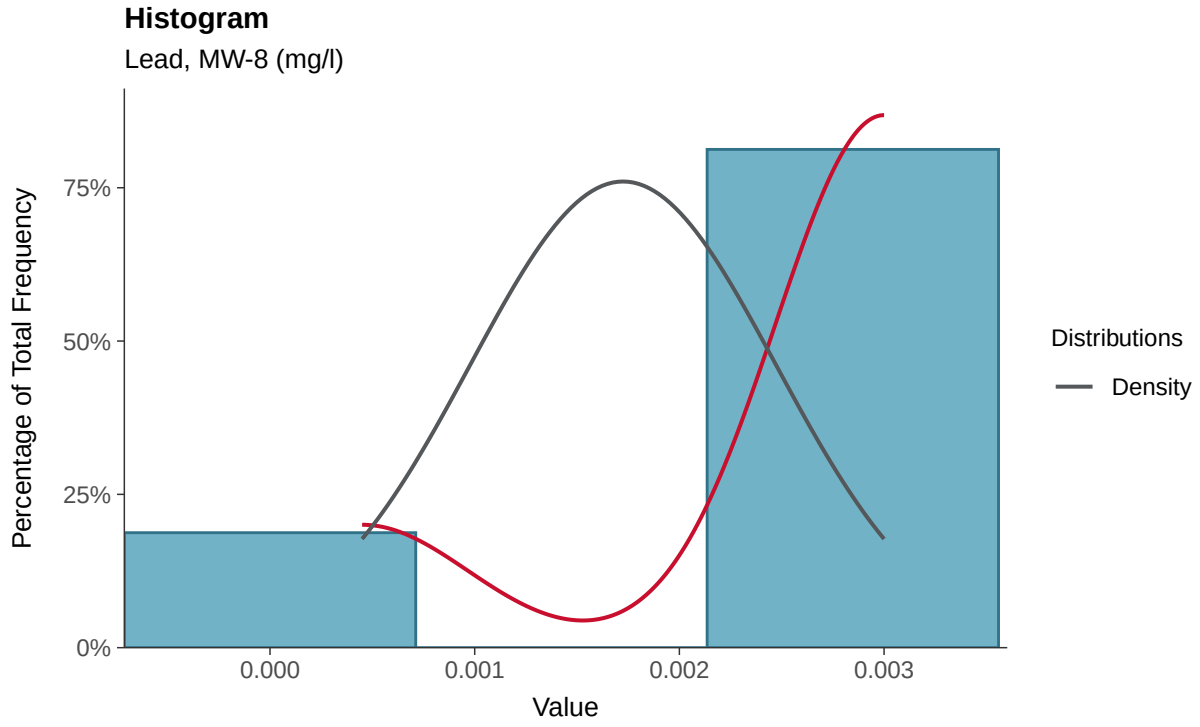
Fluoride (App IV), MW-8 (mg/l)



Appendix IV: Lead, MW-8

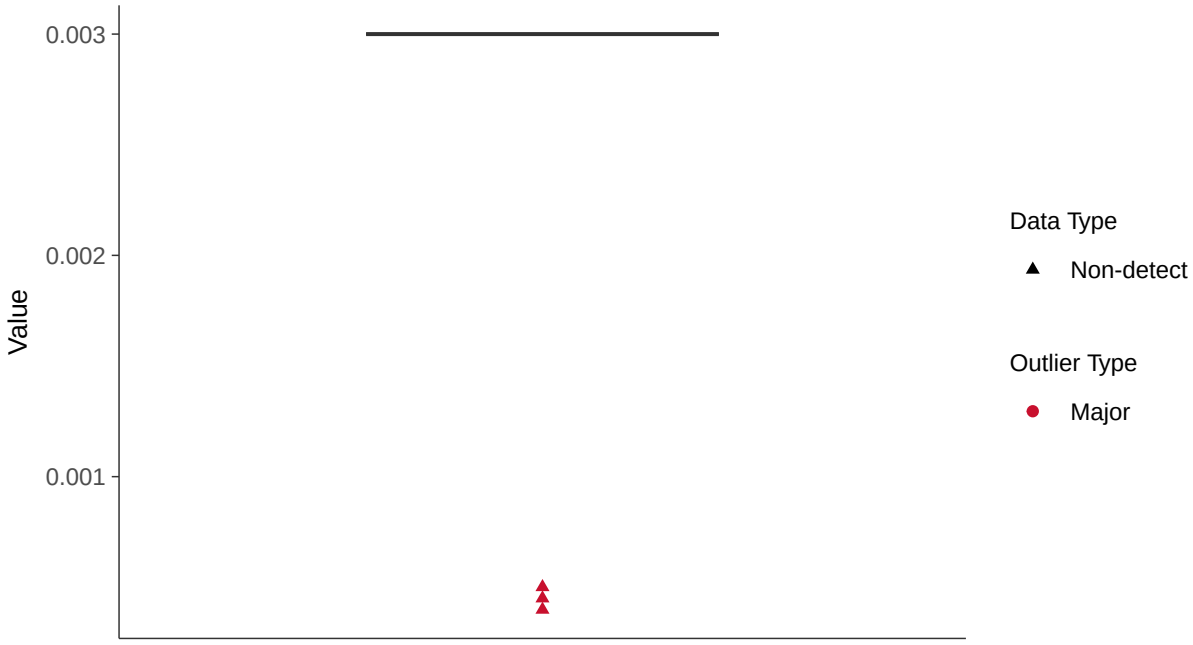
ID: 17_3_115





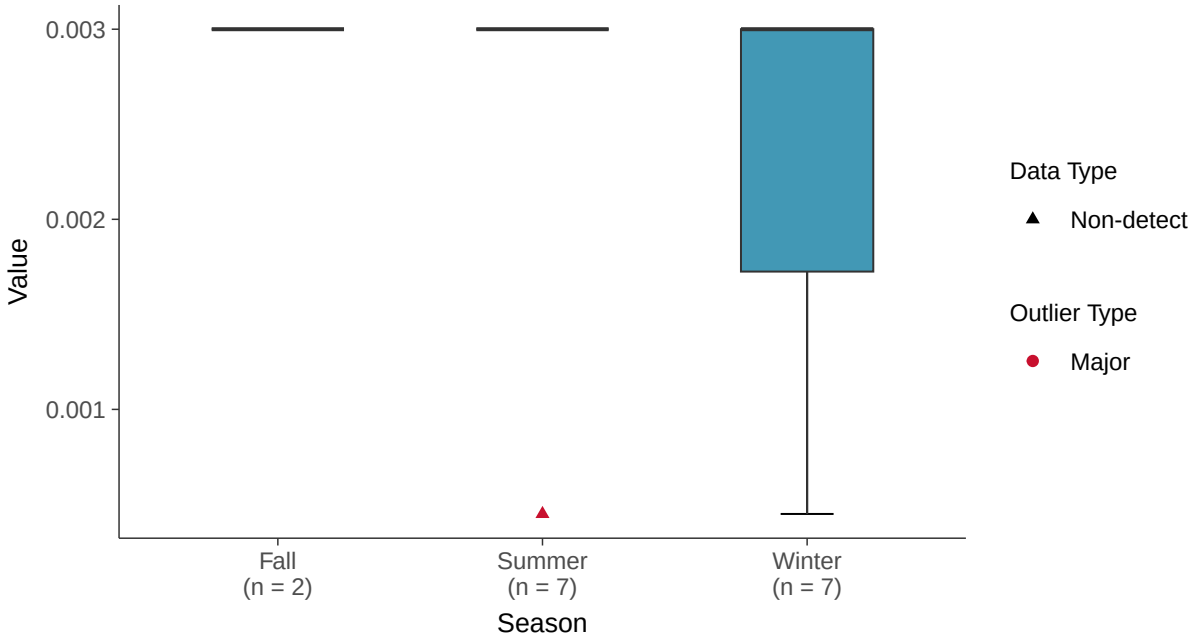
Boxplot

Lead, MW-8 (mg/l)



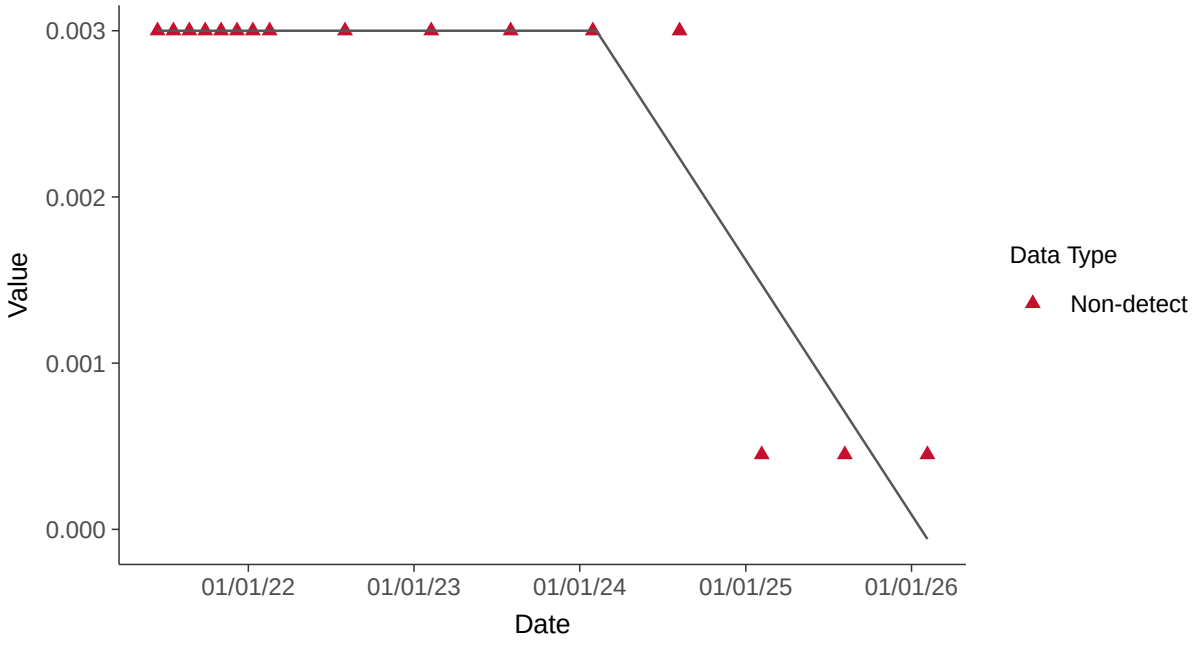
Boxplot by Season

Lead, MW-8 (mg/l)



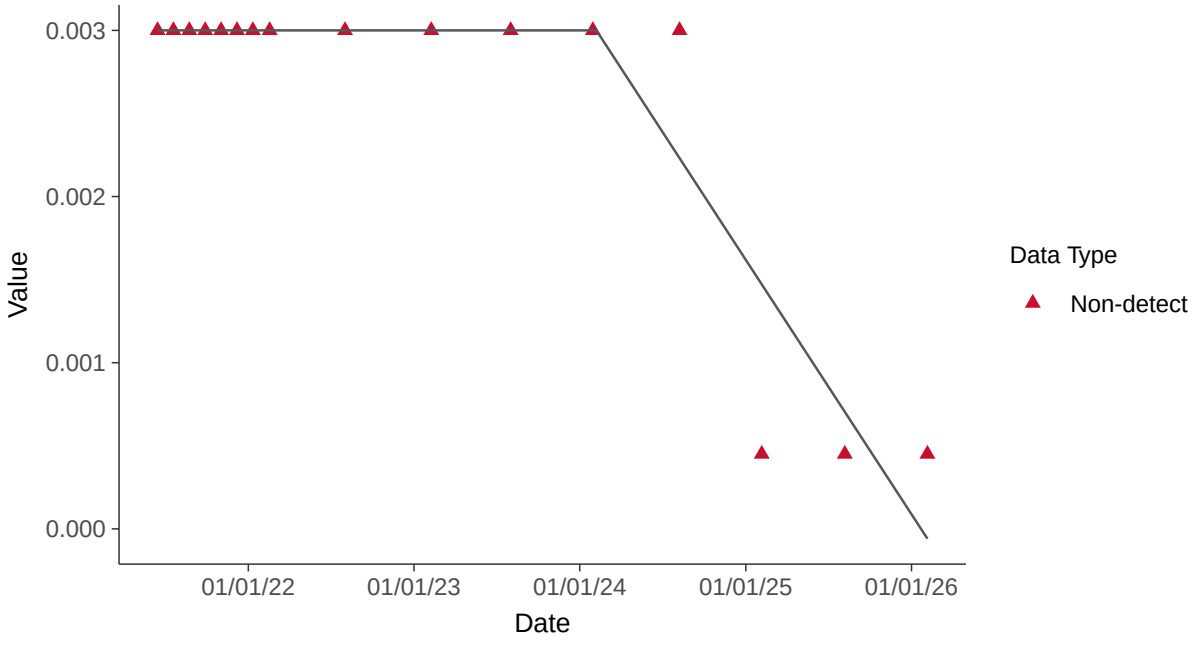
Trend Regression: Piecewise Linear-Linear

Lead, MW-8 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Lead, MW-8 (mg/l)

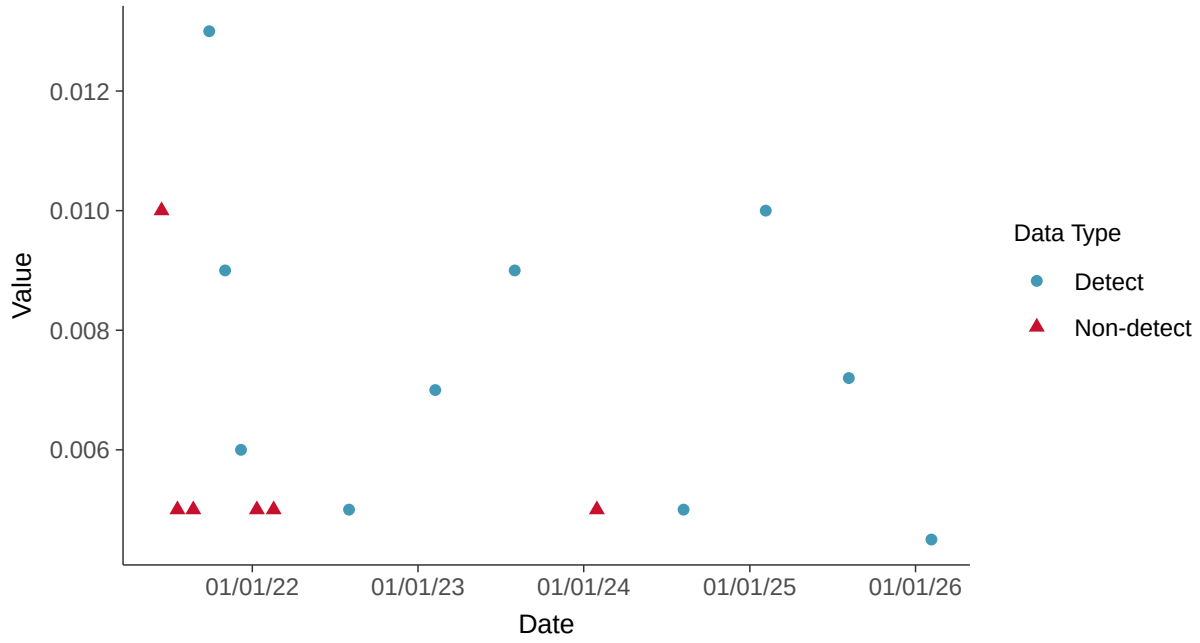


Appendix IV: Lithium, MW-8

ID: 17_3_116

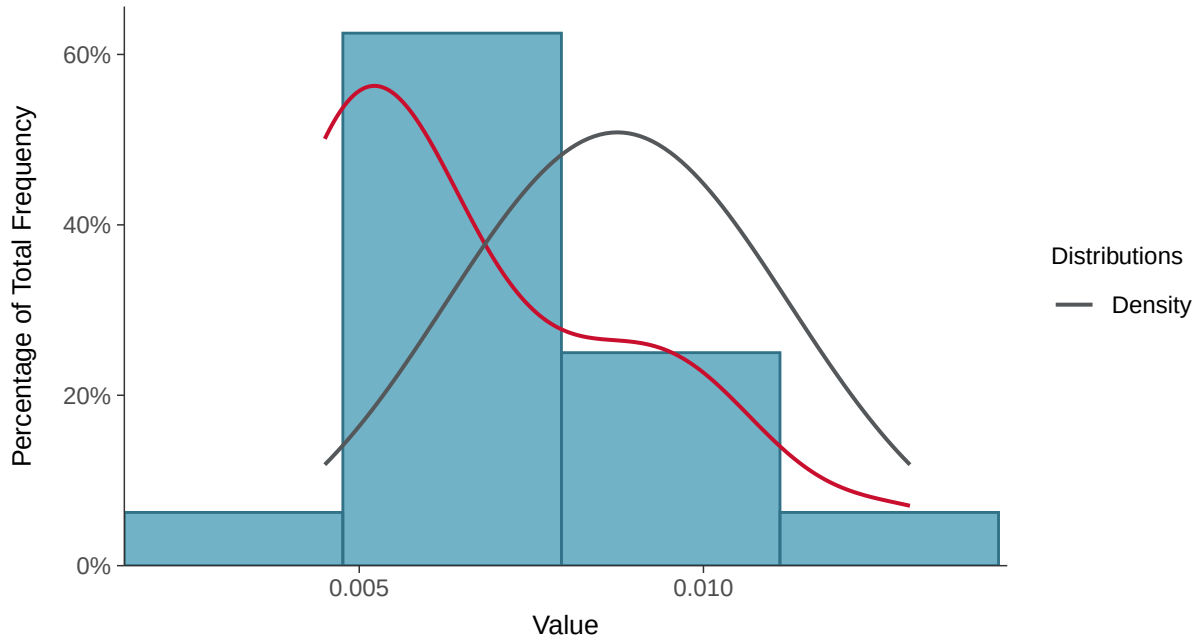
Scatter Plot

Lithium, MW-8 (mg/l)



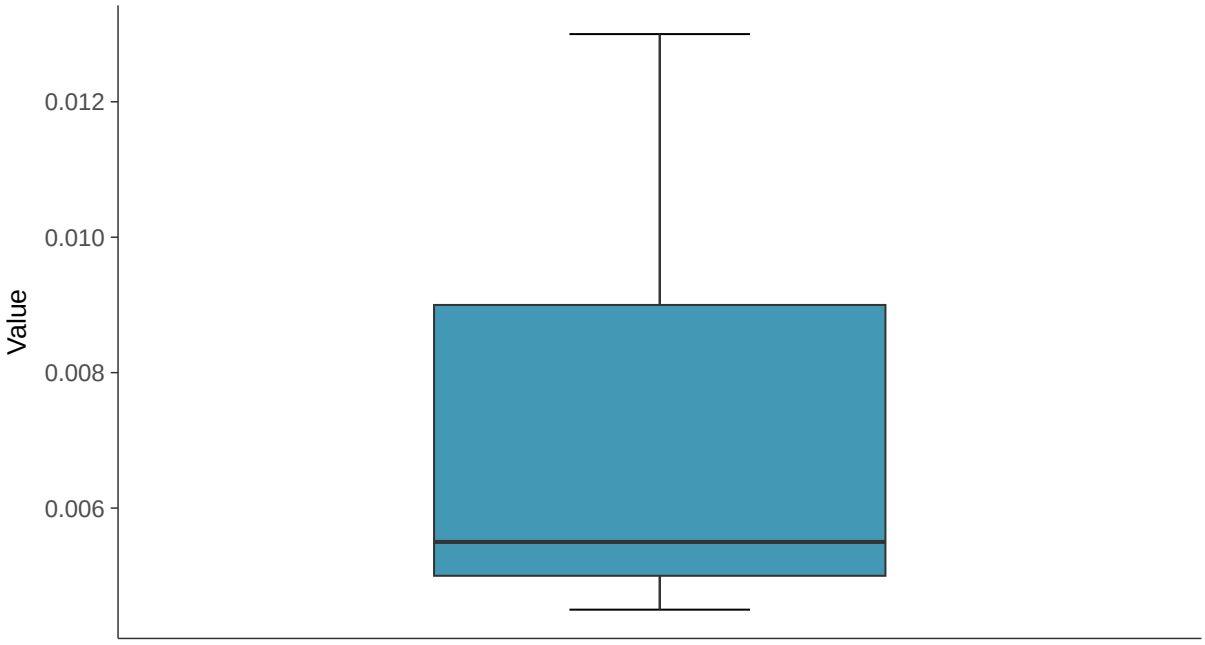
Histogram

Lithium, MW-8 (mg/l)



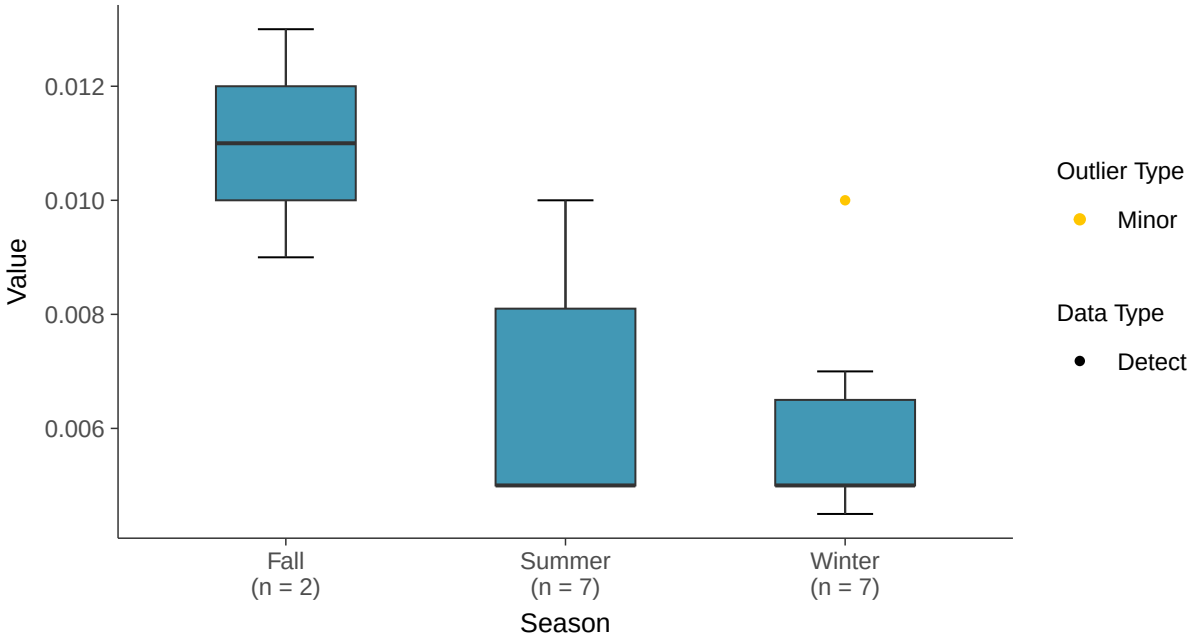
Boxplot

Lithium, MW-8 (mg/l)



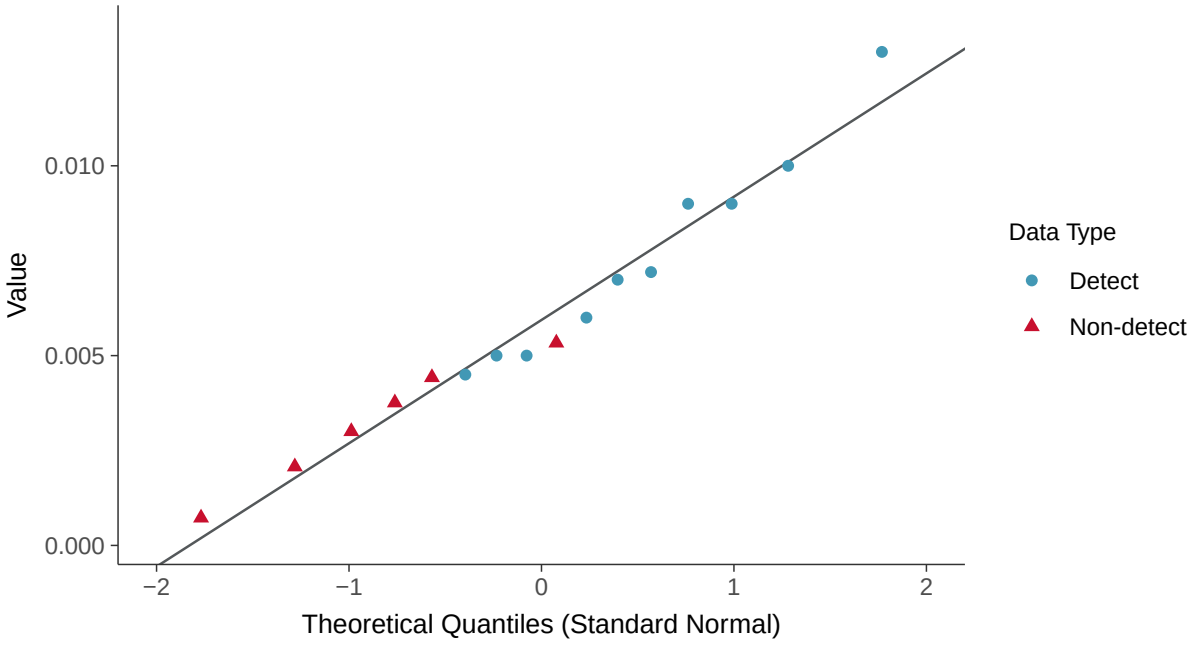
Boxplot by Season

Lithium, MW-8 (mg/l)



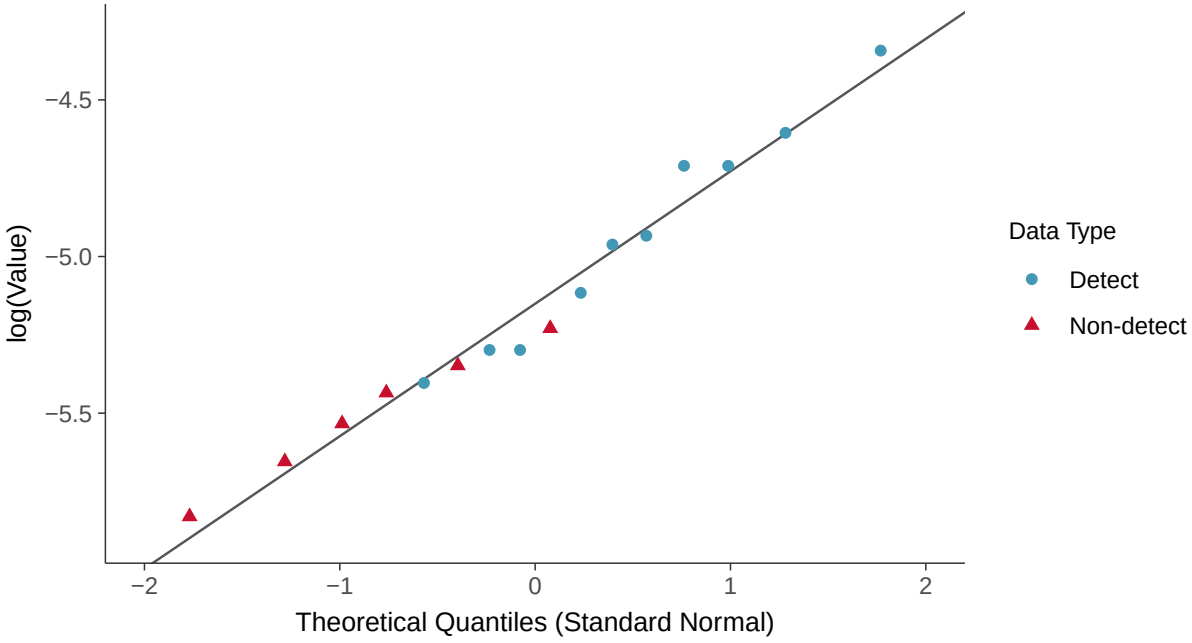
Normal Q-Q plot using ROS Imputed Estimates

Lithium, MW-8 (mg/l)



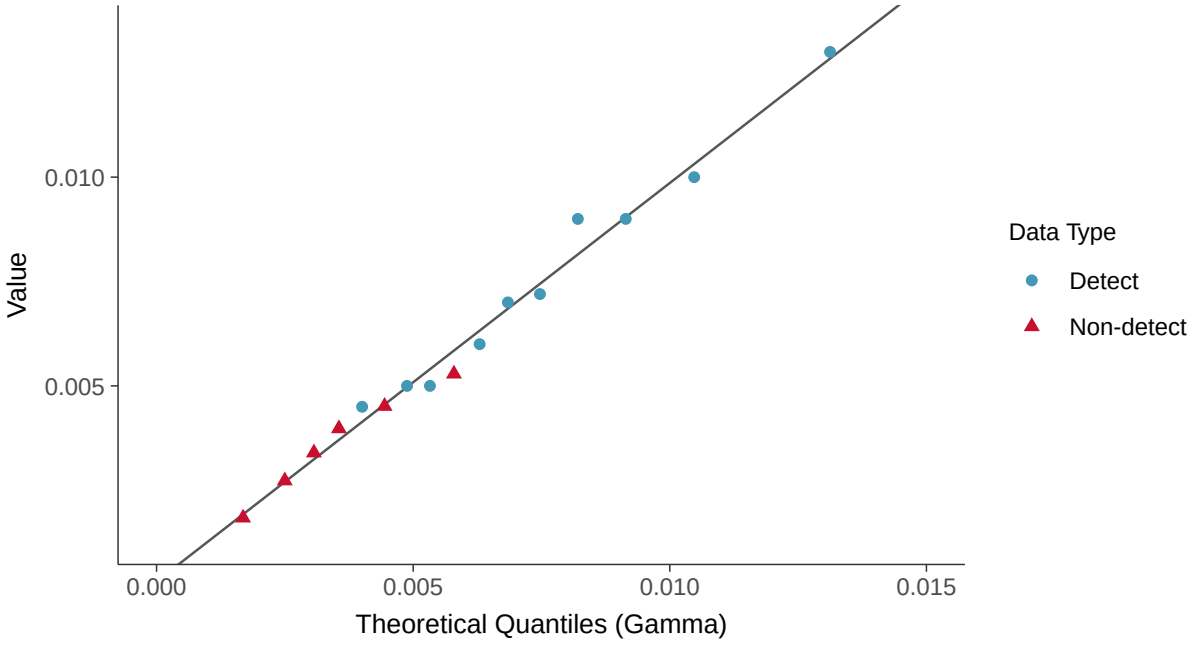
Lognormal Q-Q plot using ROS Imputed Estimates

Lithium, MW-8 (mg/l)



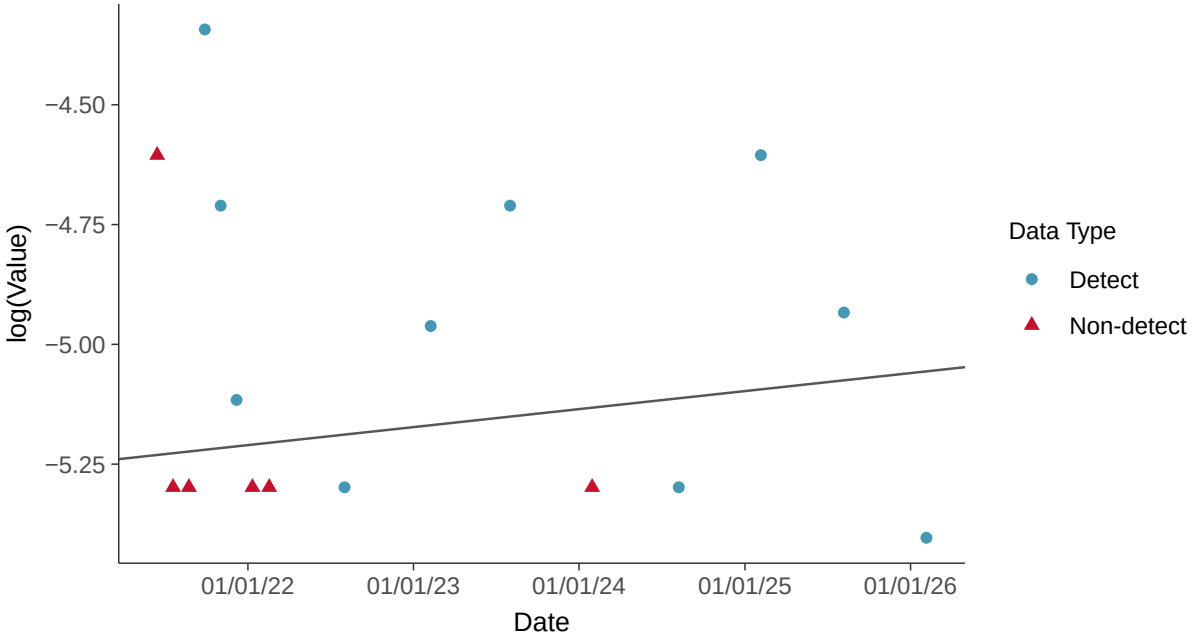
Gamma Q-Q plot using ROS Imputed Estimates

Lithium, MW-8 (mg/l)



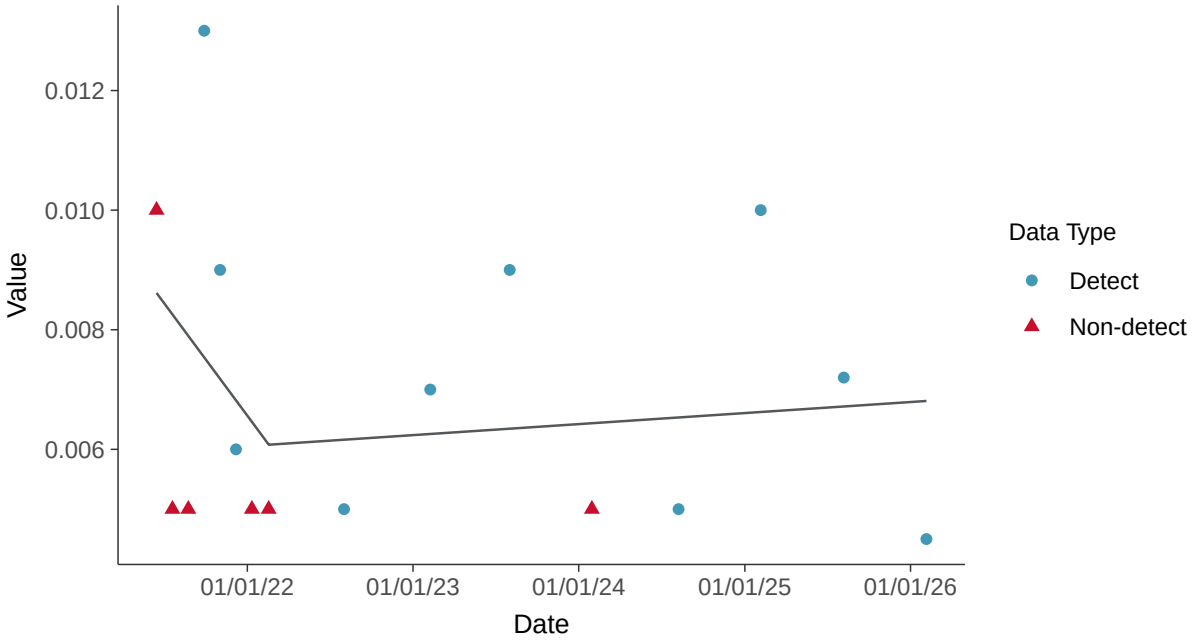
Trend Regression: Lognormal MLE

Lithium, MW-8 (mg/l)



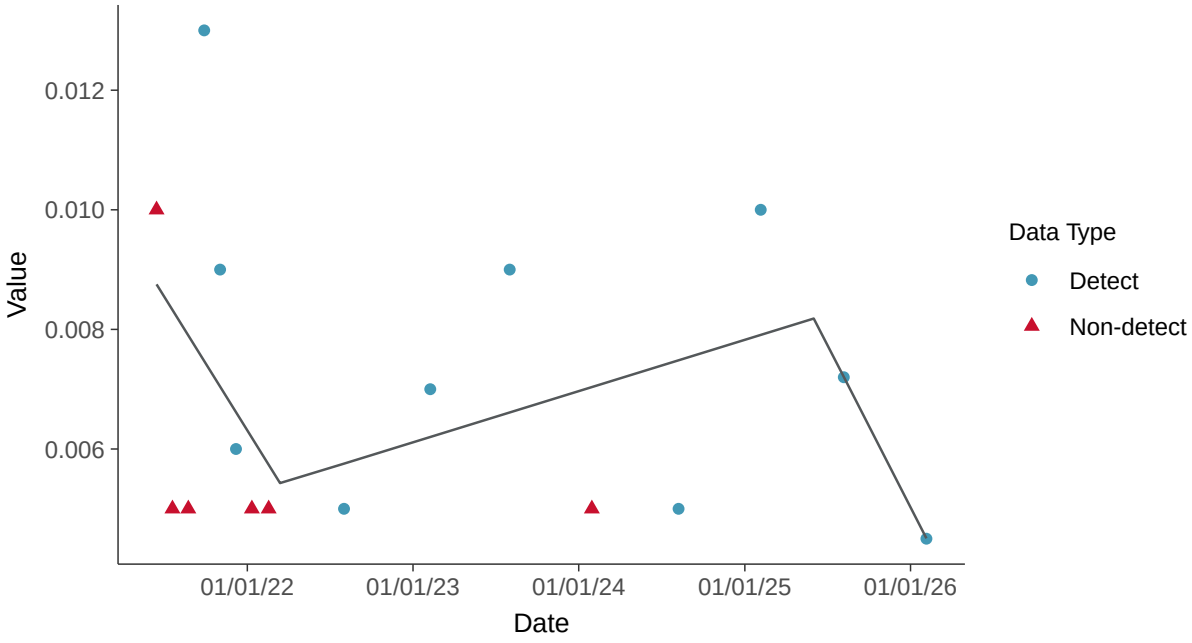
Trend Regression: Piecewise Linear-Linear

Lithium, MW-8 (mg/l)



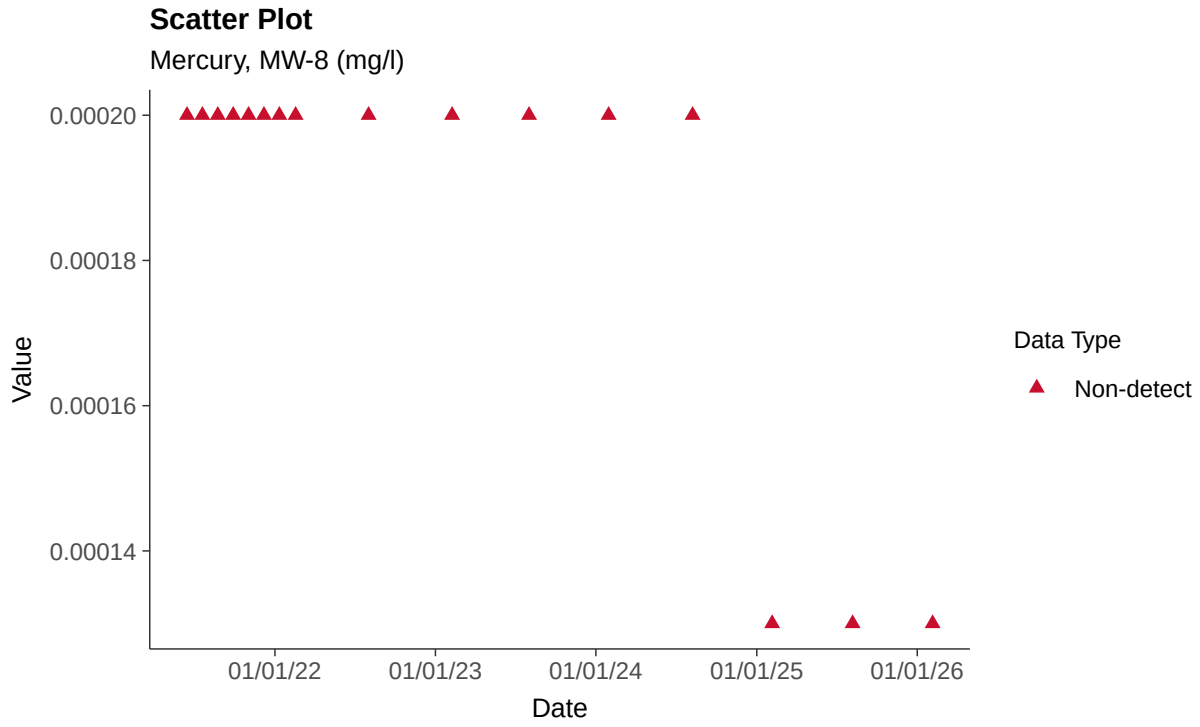
Trend Regression: Piecewise Linear-Linear-Linear

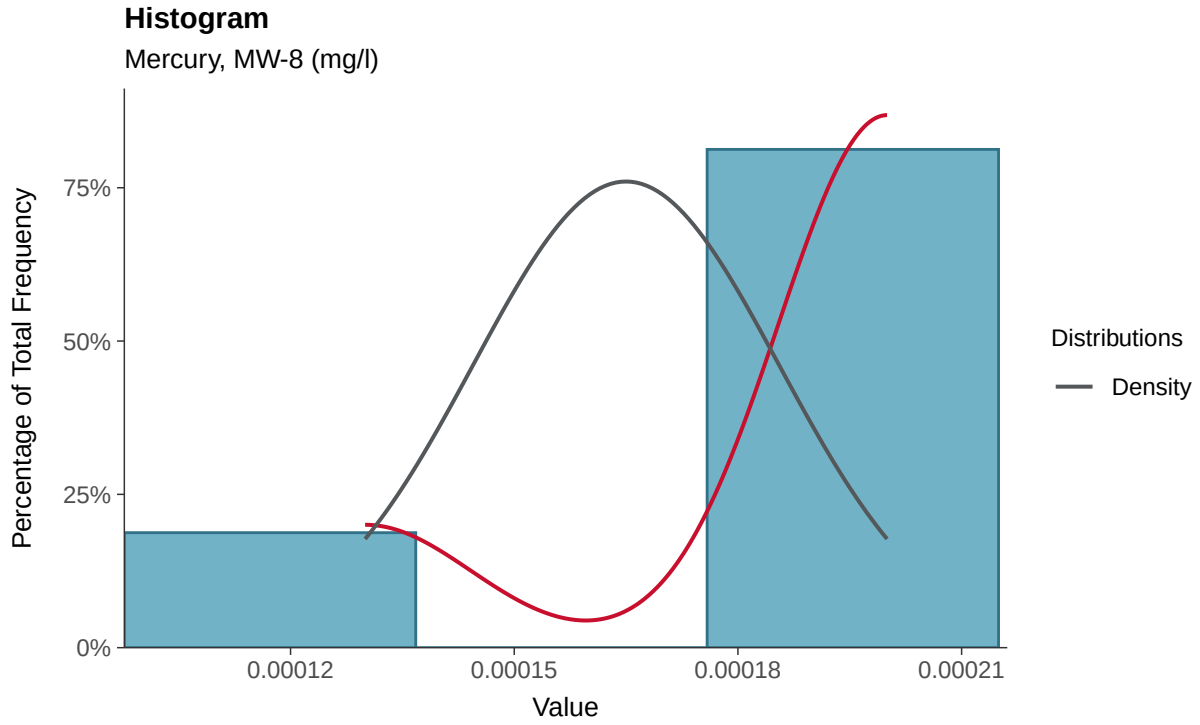
Lithium, MW-8 (mg/l)



Appendix IV: Mercury, MW-8

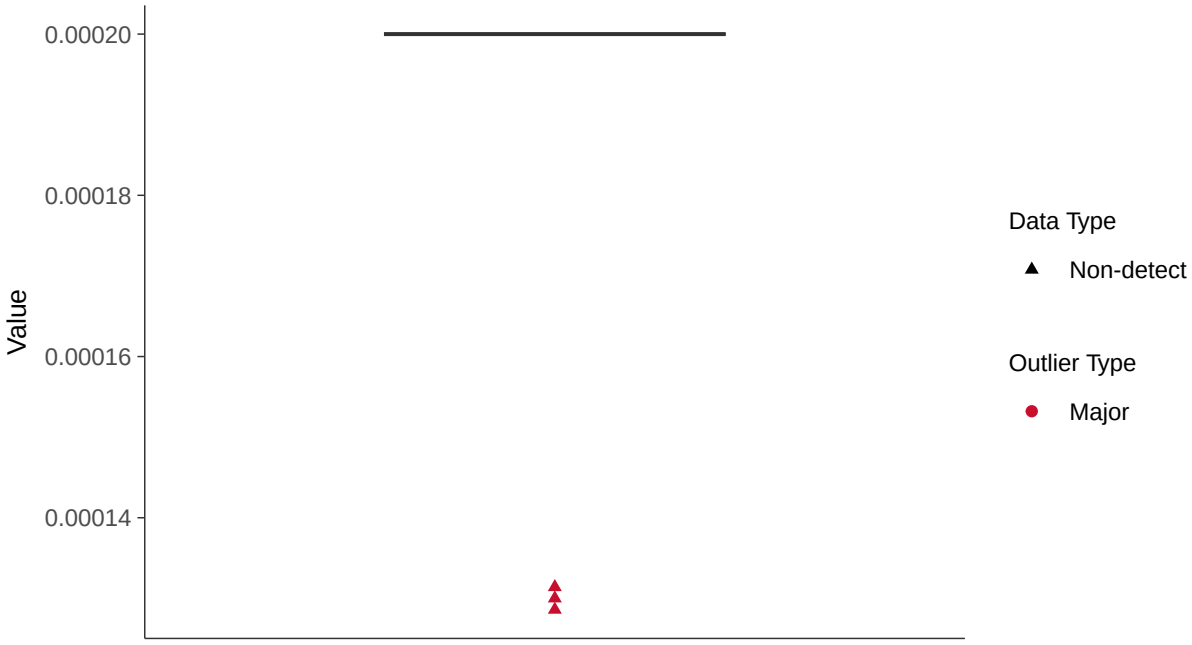
ID: 17_3_117





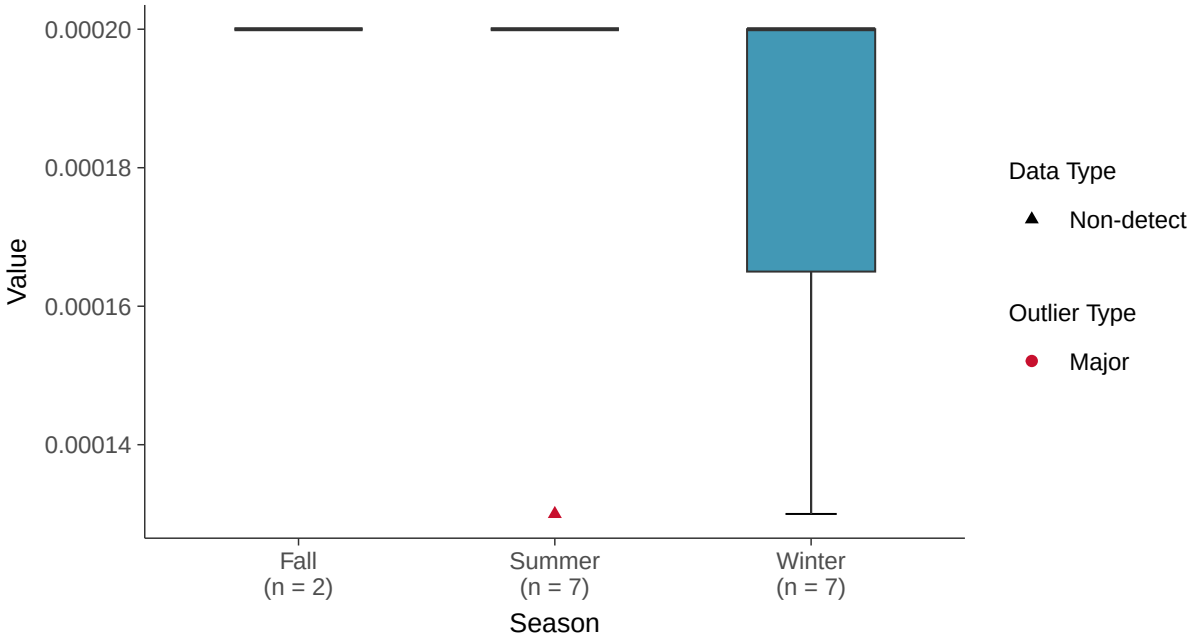
Boxplot

Mercury, MW-8 (mg/l)



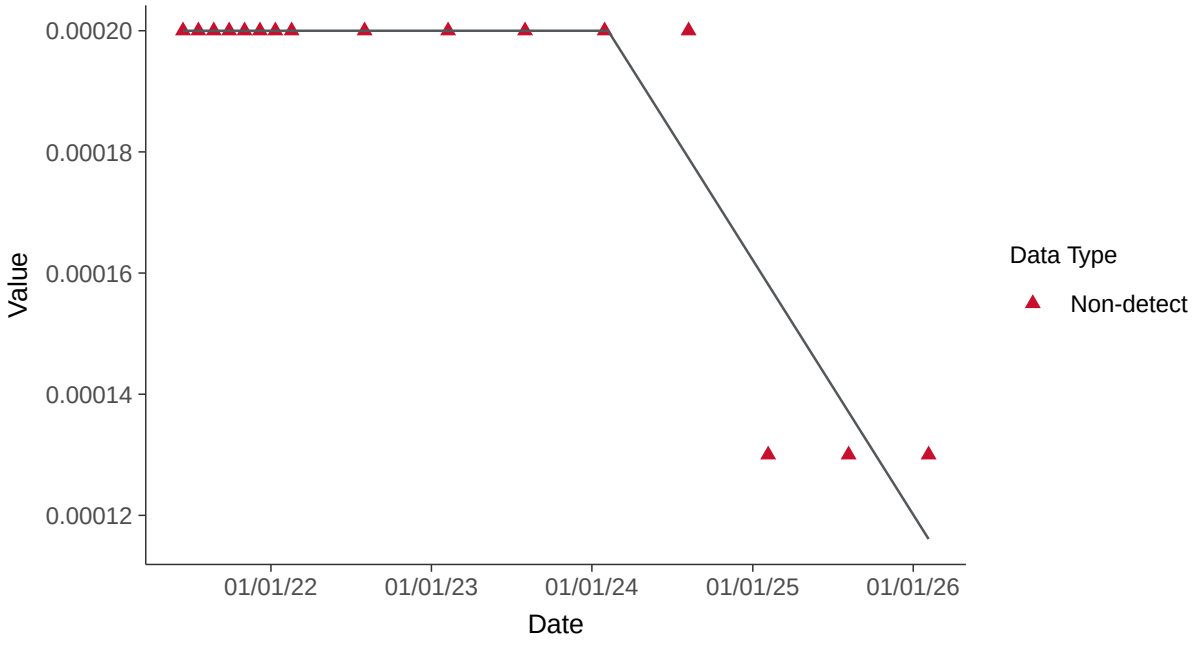
Boxplot by Season

Mercury, MW-8 (mg/l)



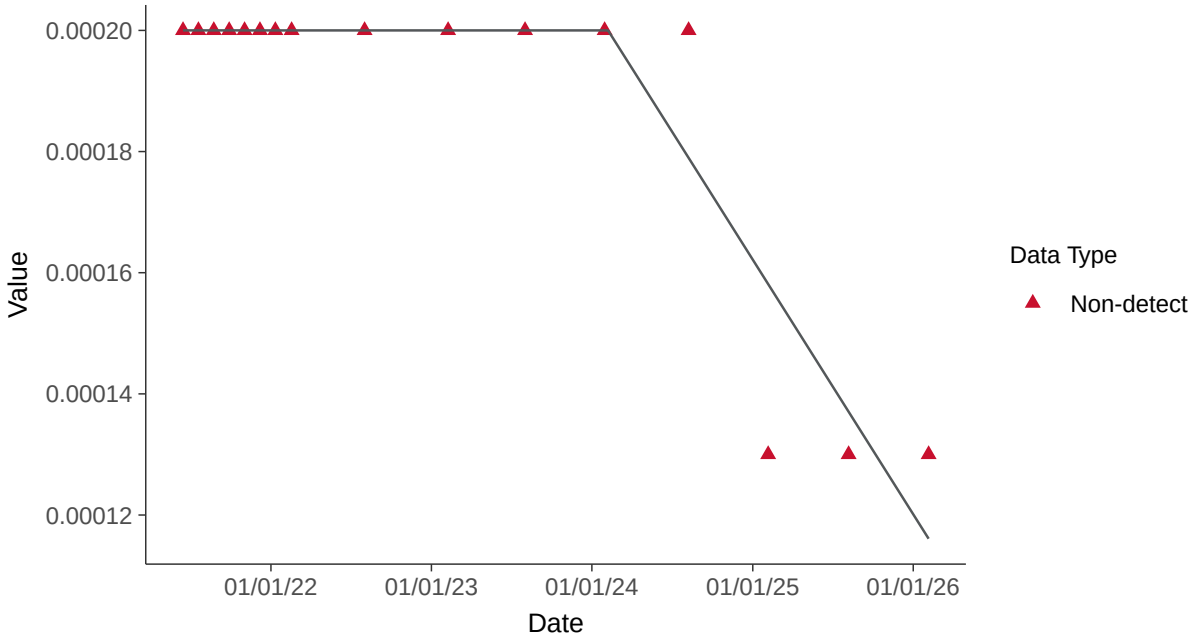
Trend Regression: Piecewise Linear-Linear

Mercury, MW-8 (mg/l)



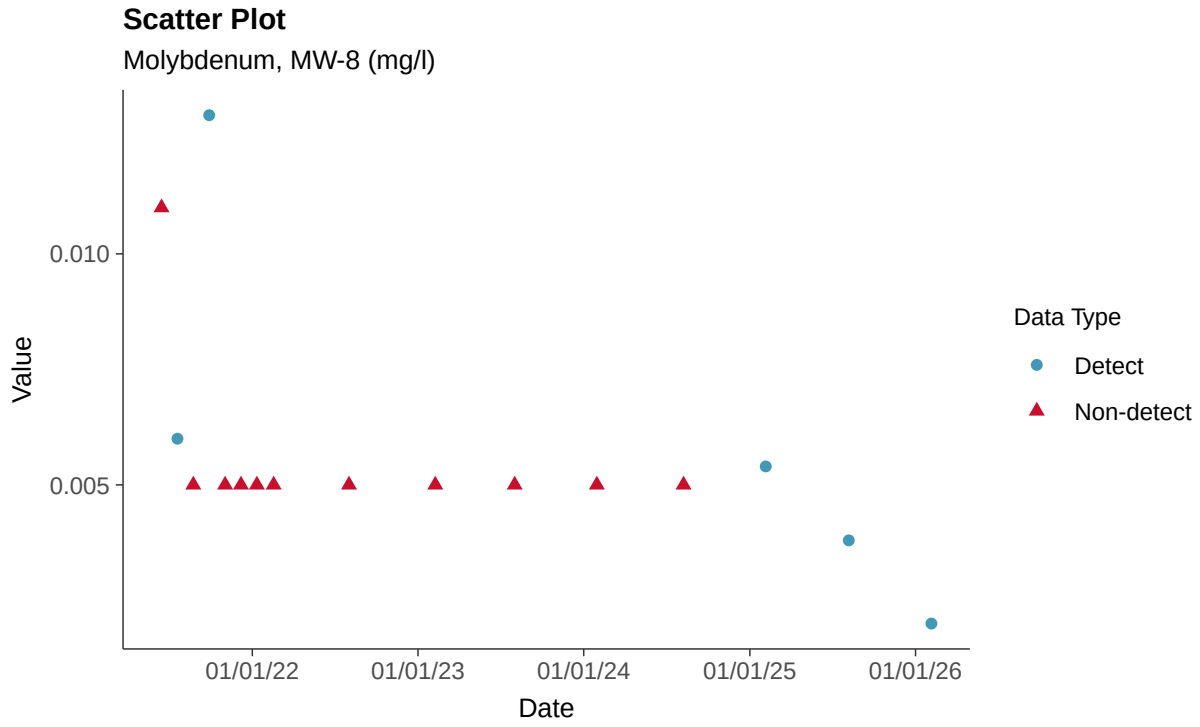
Trend Regression: Piecewise Linear-Linear-Linear

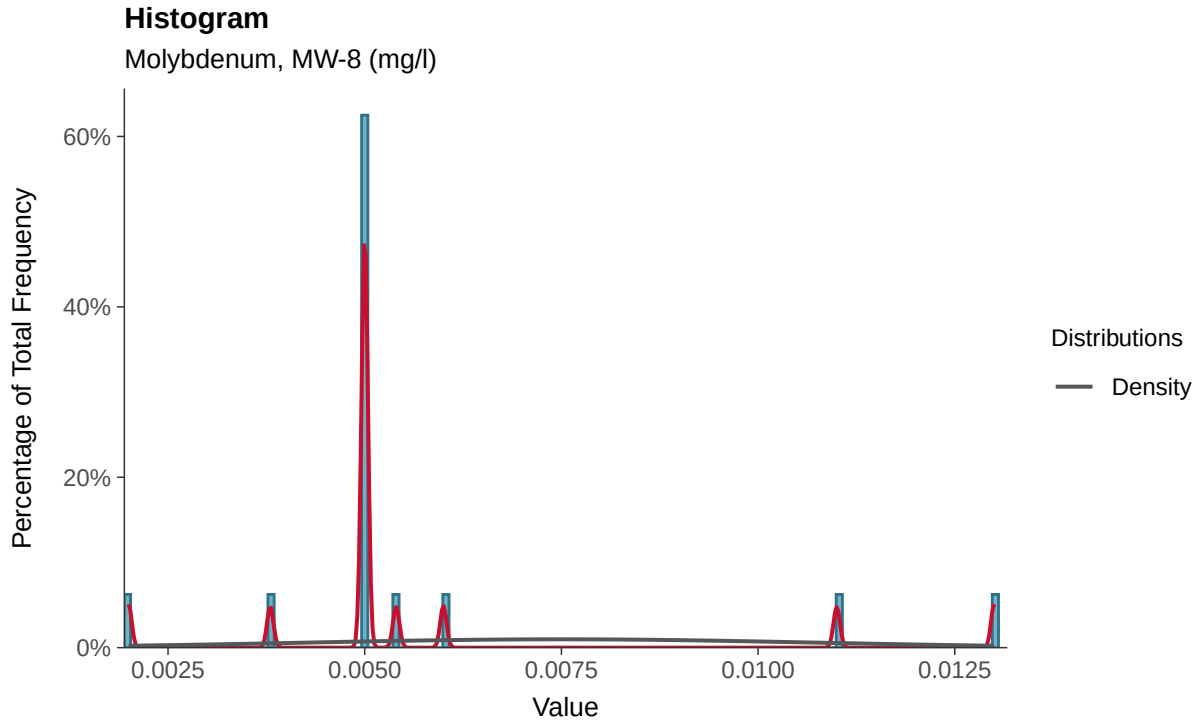
Mercury, MW-8 (mg/l)



Appendix IV: Molybdenum, MW-8

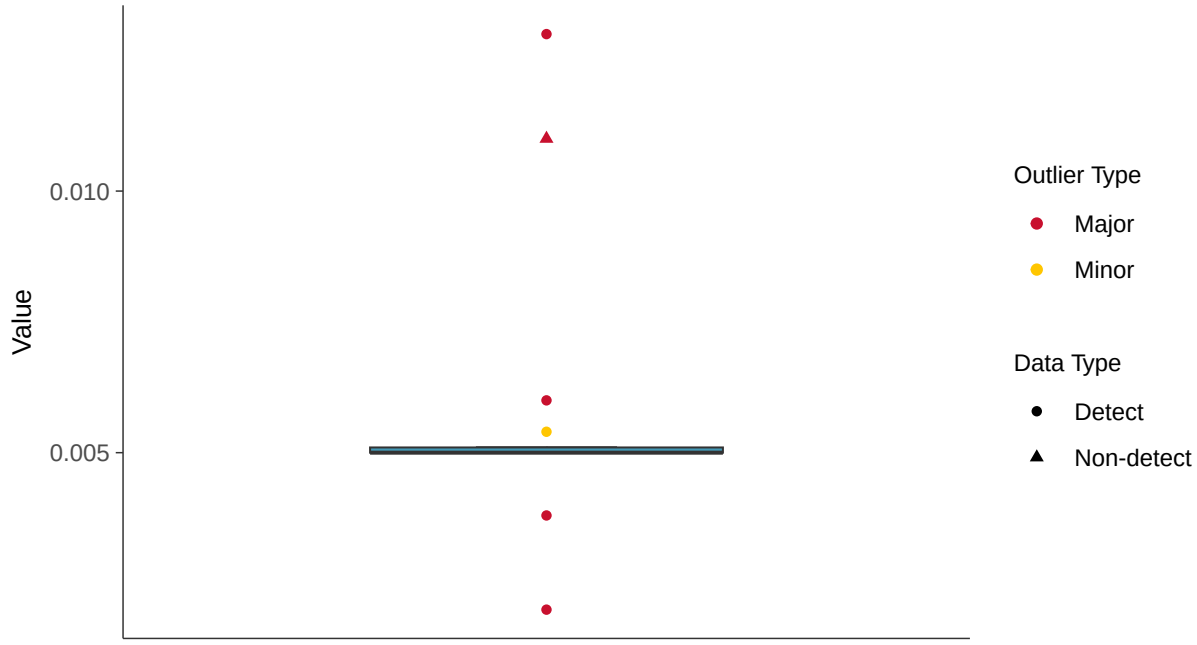
ID: 17_3_118





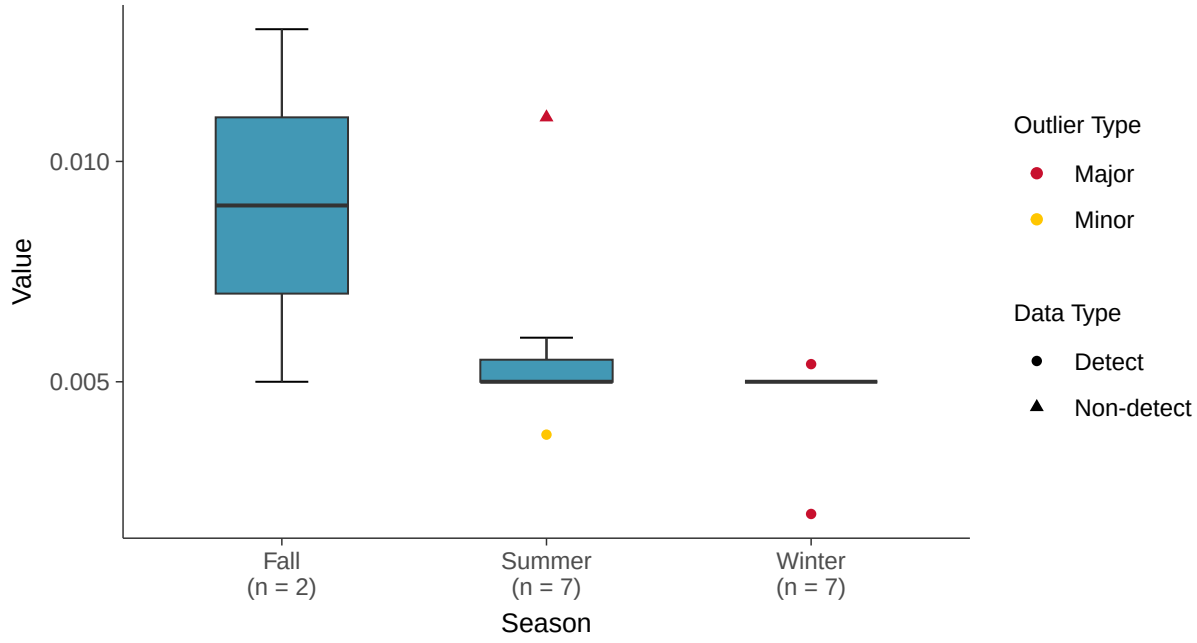
Boxplot

Molybdenum, MW-8 (mg/l)



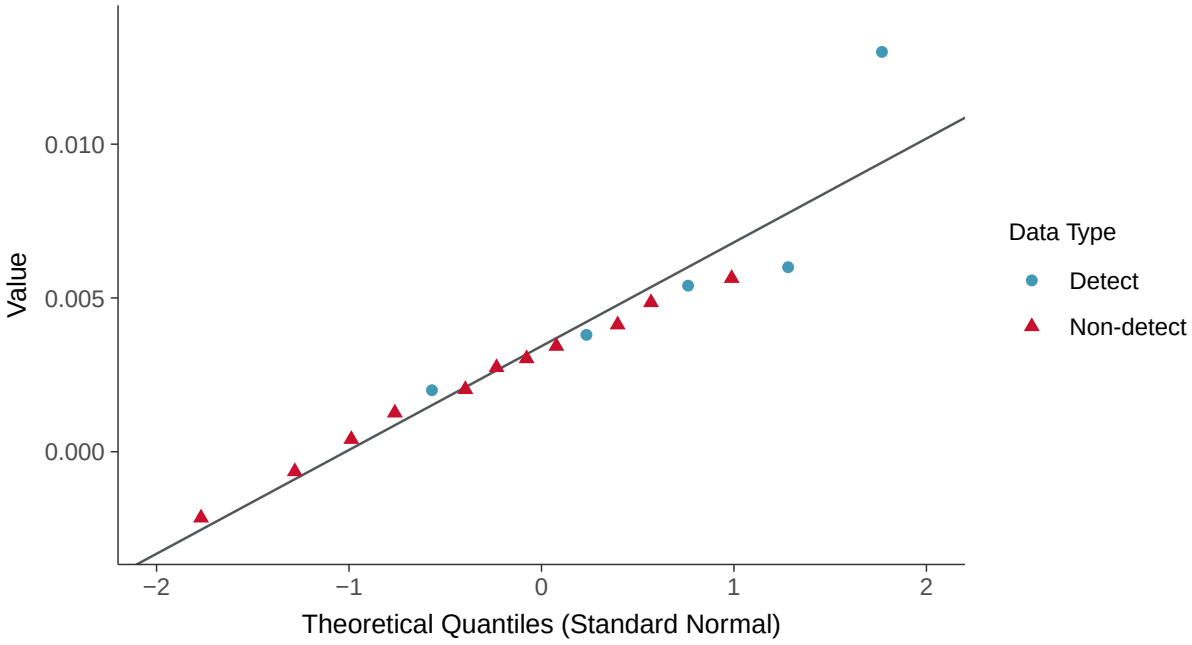
Boxplot by Season

Molybdenum, MW-8 (mg/l)



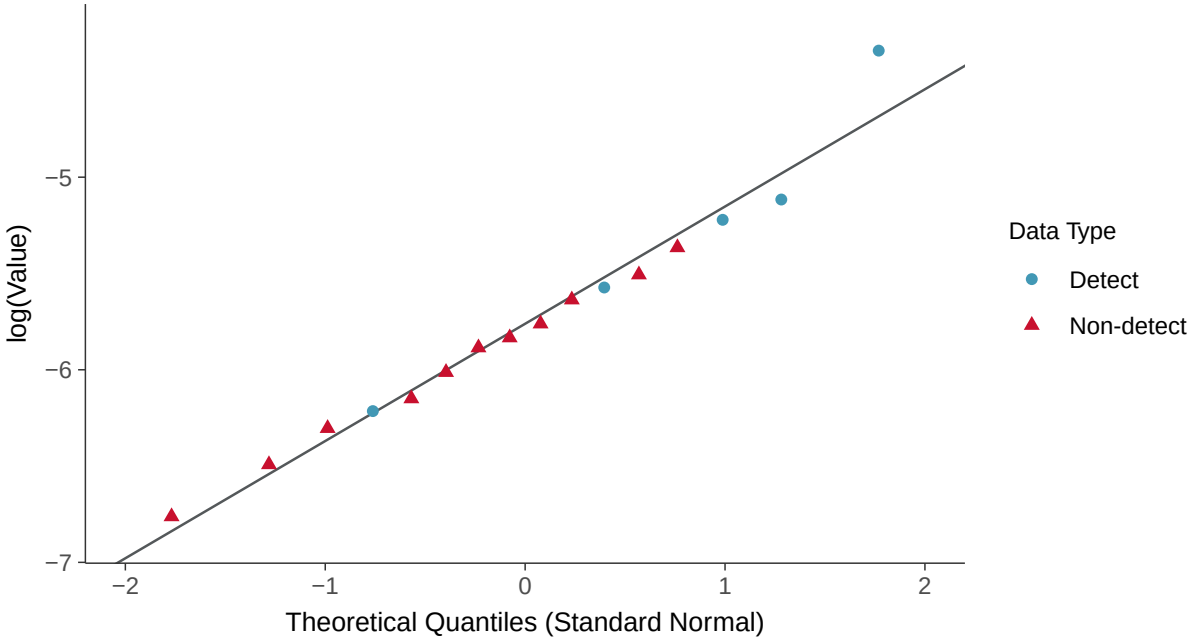
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-8 (mg/l)



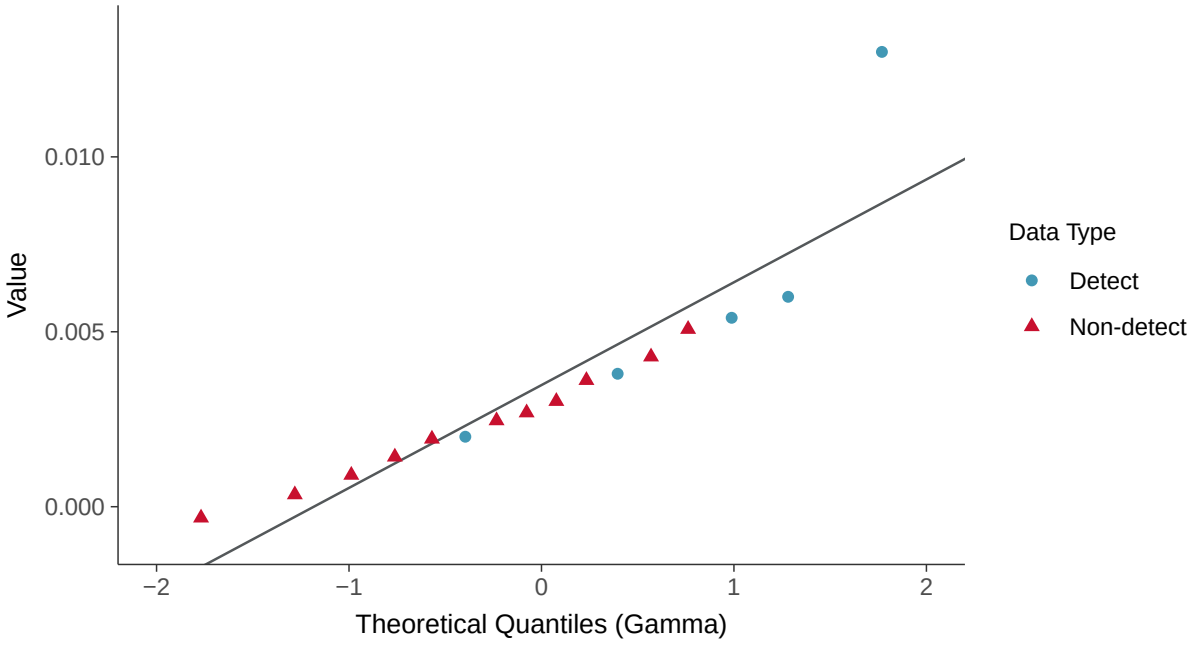
Lognormal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-8 (mg/l)



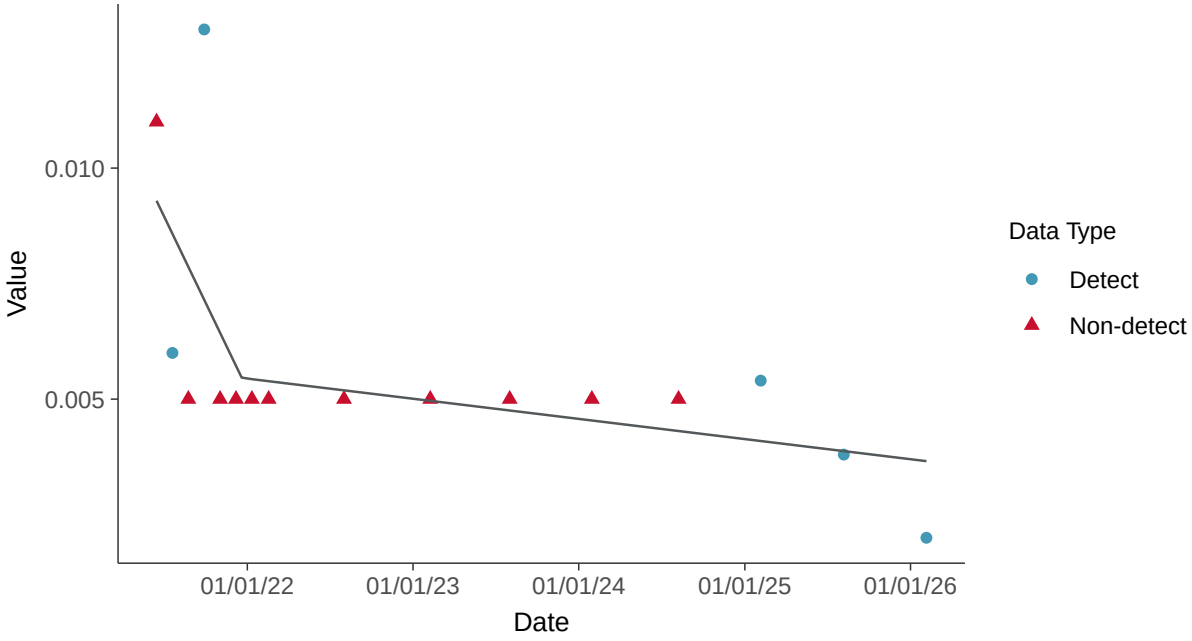
Gamma Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-8 (mg/l)



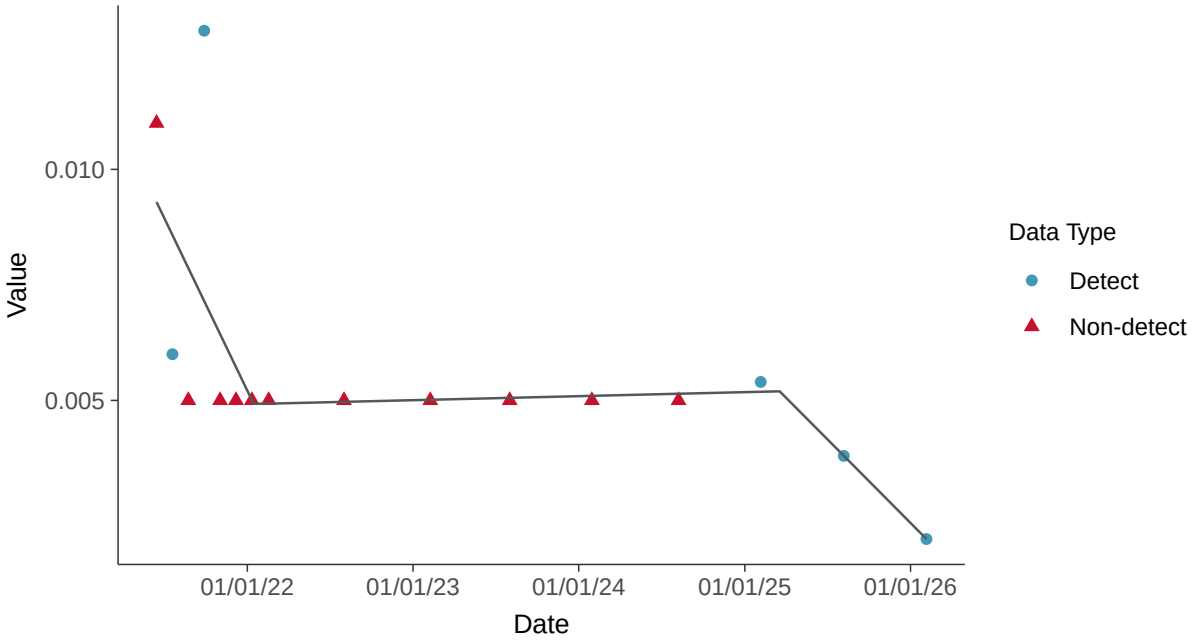
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-8 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-8 (mg/l)

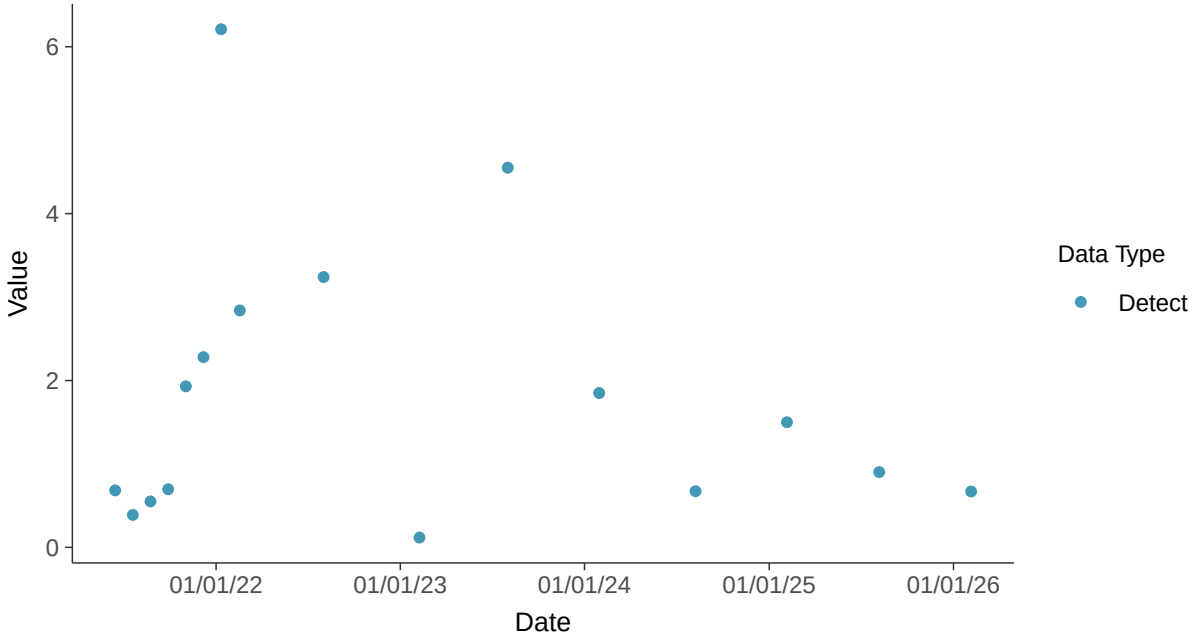


Appendix IV: Radium-226+228, MW-8

ID: 17_3_121

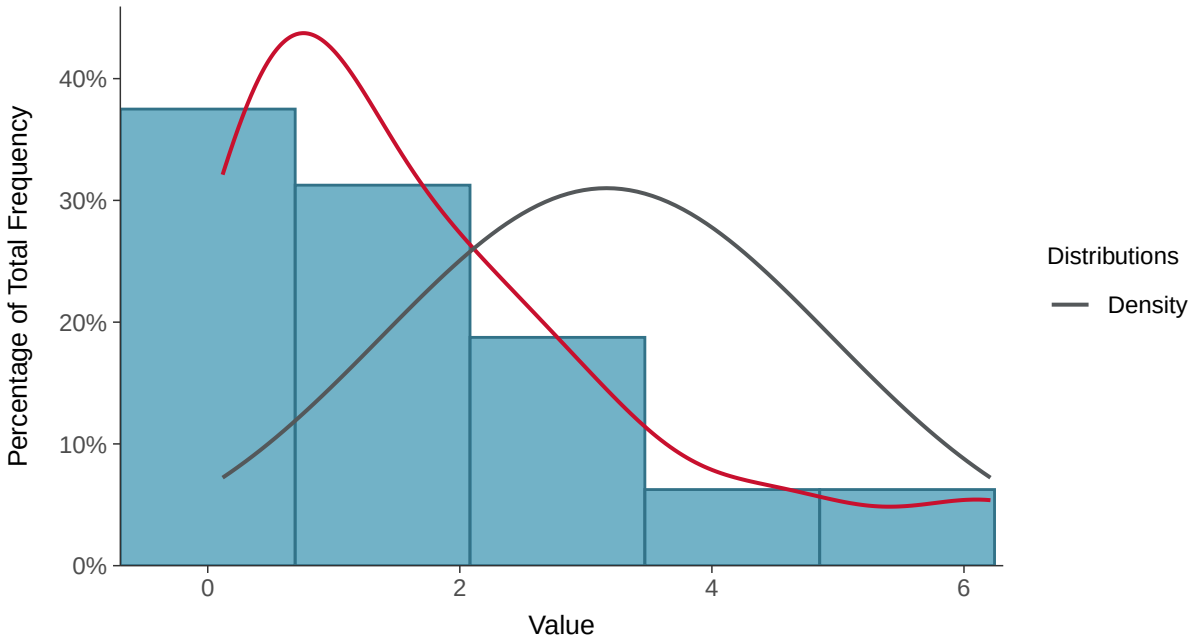
Scatter Plot

Radium-226+228, MW-8 (pci/l)



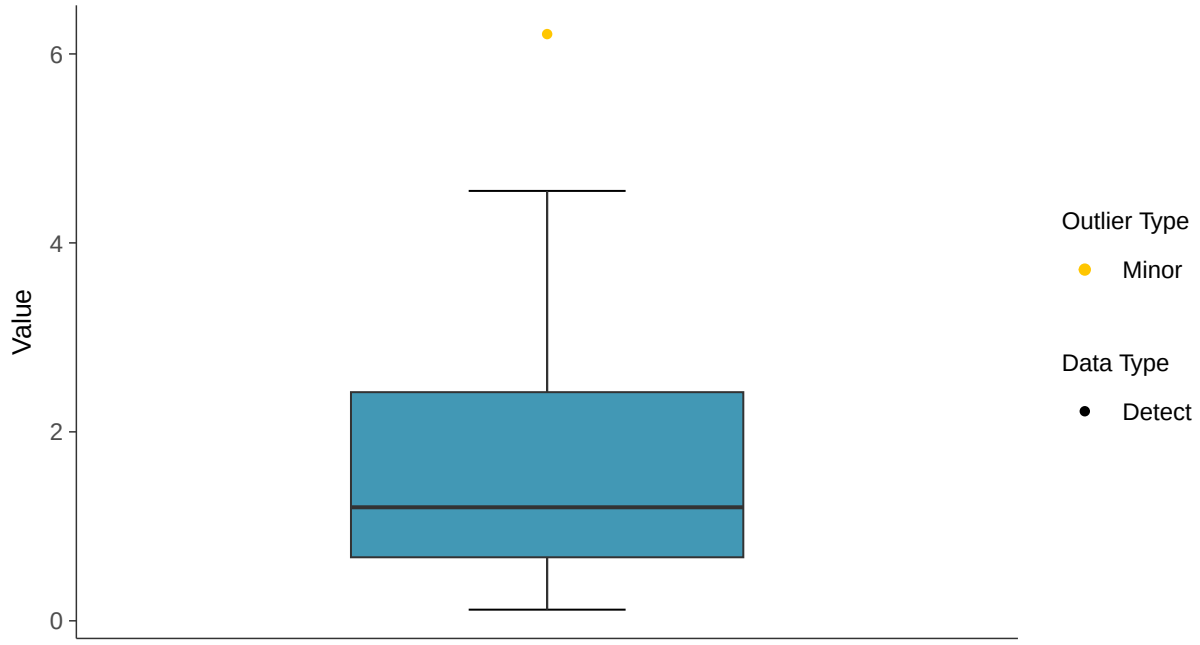
Histogram

Radium-226+228, MW-8 (pci/l)



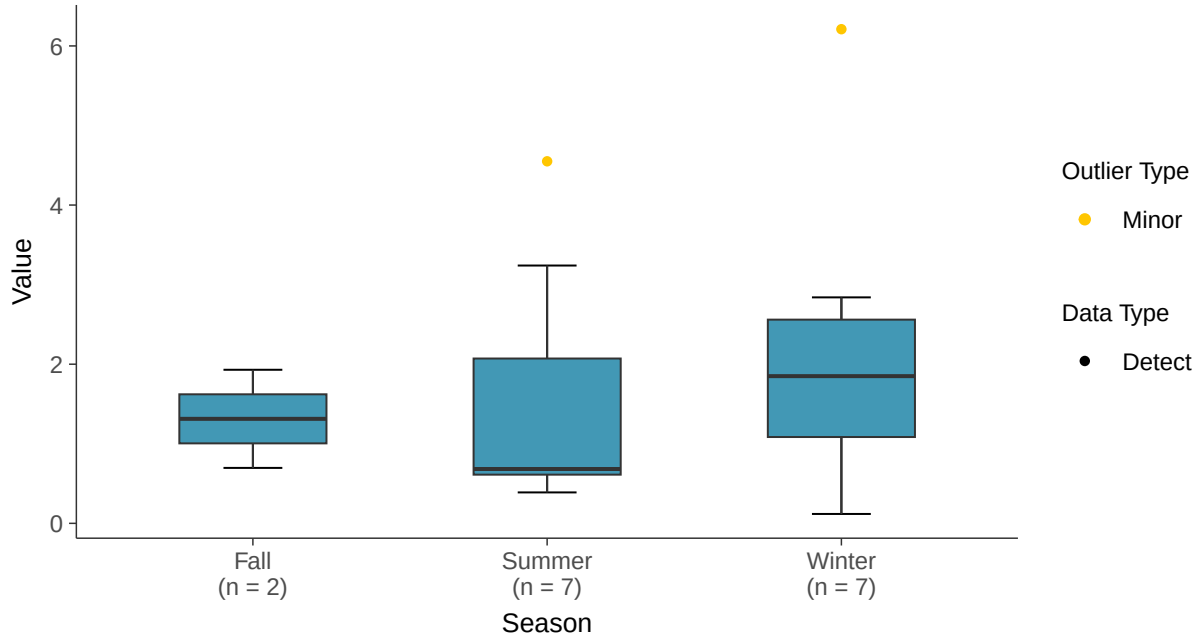
Boxplot

Radium-226+228, MW-8 (pci/l)



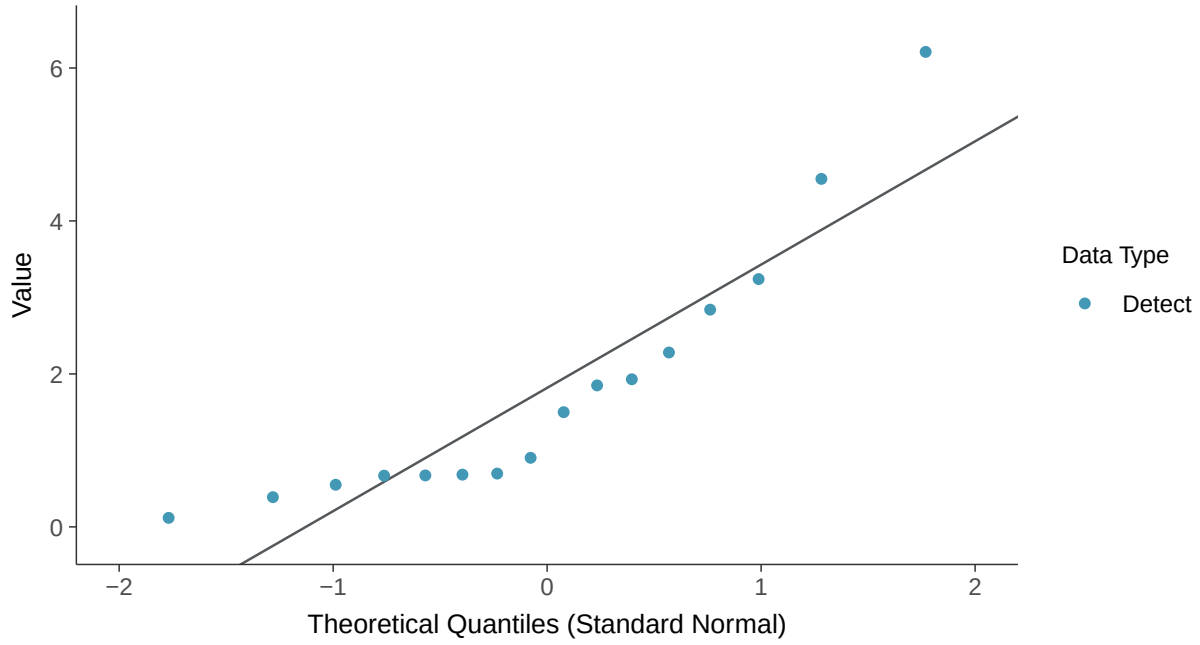
Boxplot by Season

Radium-226+228, MW-8 (pci/l)



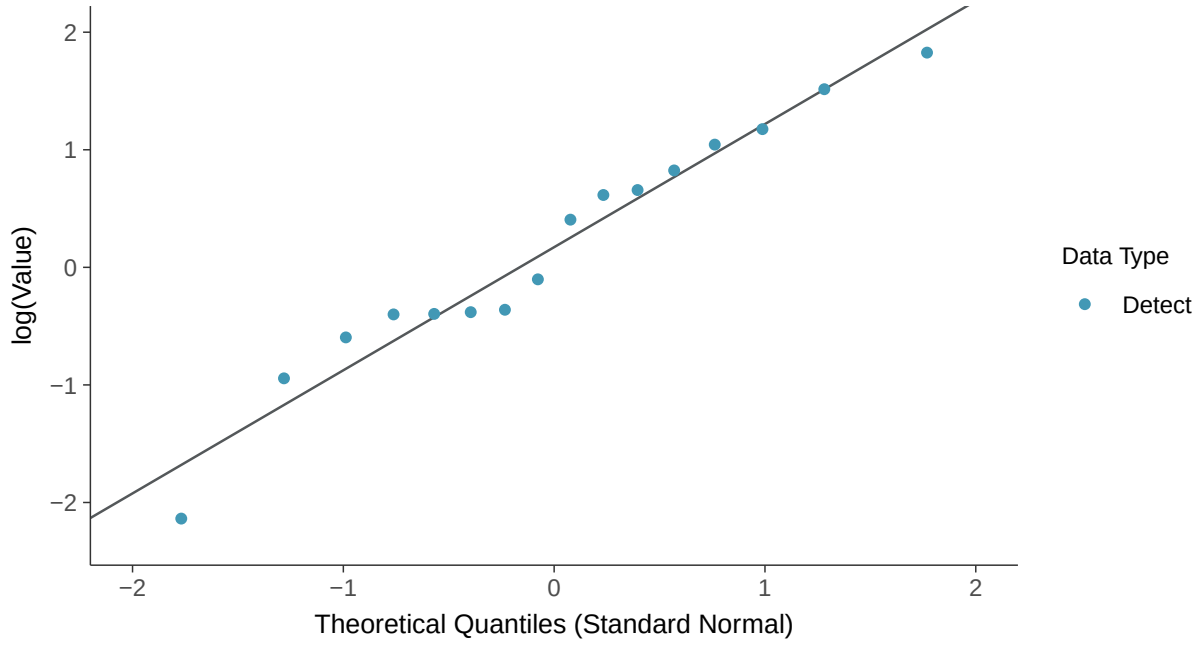
Normal Q-Q plot

Radium-226+228, MW-8 (pci/l)



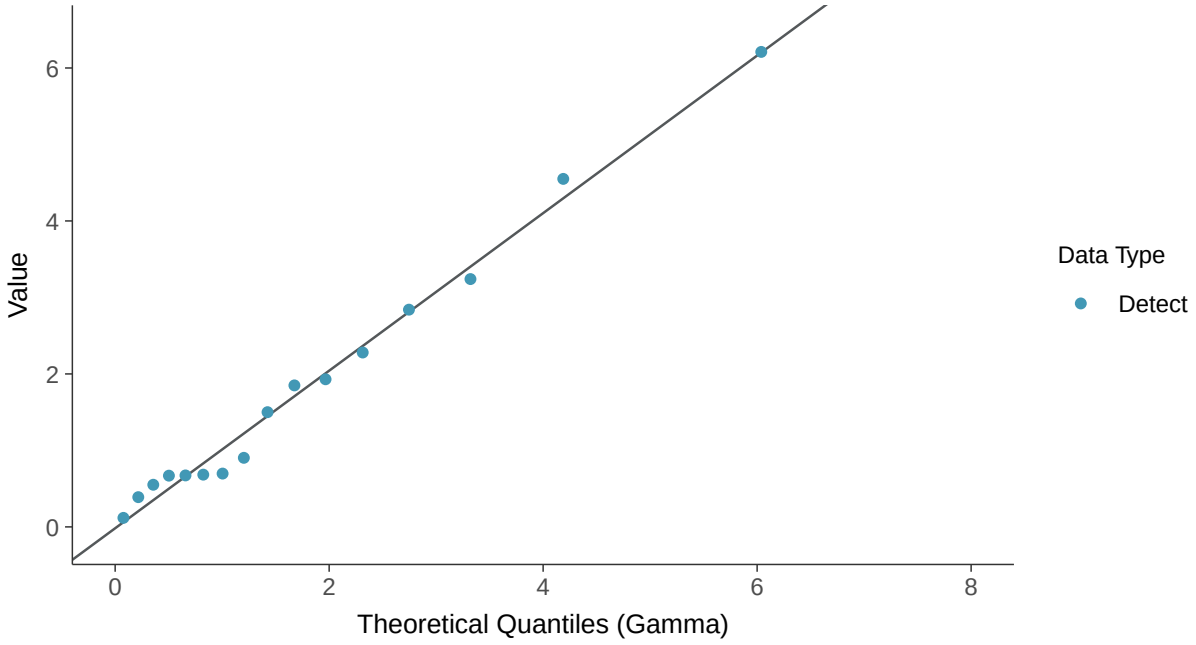
Lognormal Q-Q plot

Radium-226+228, MW-8 (pci/l)



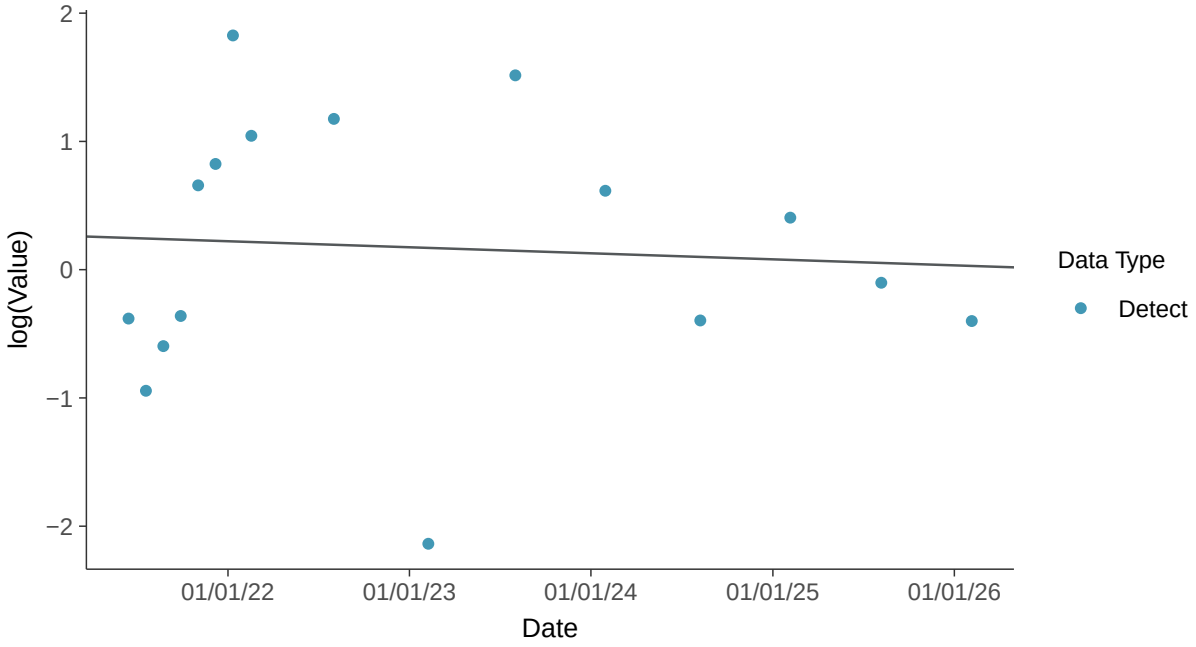
Gamma Q-Q plot

Radium-226+228, MW-8 (pci/l)



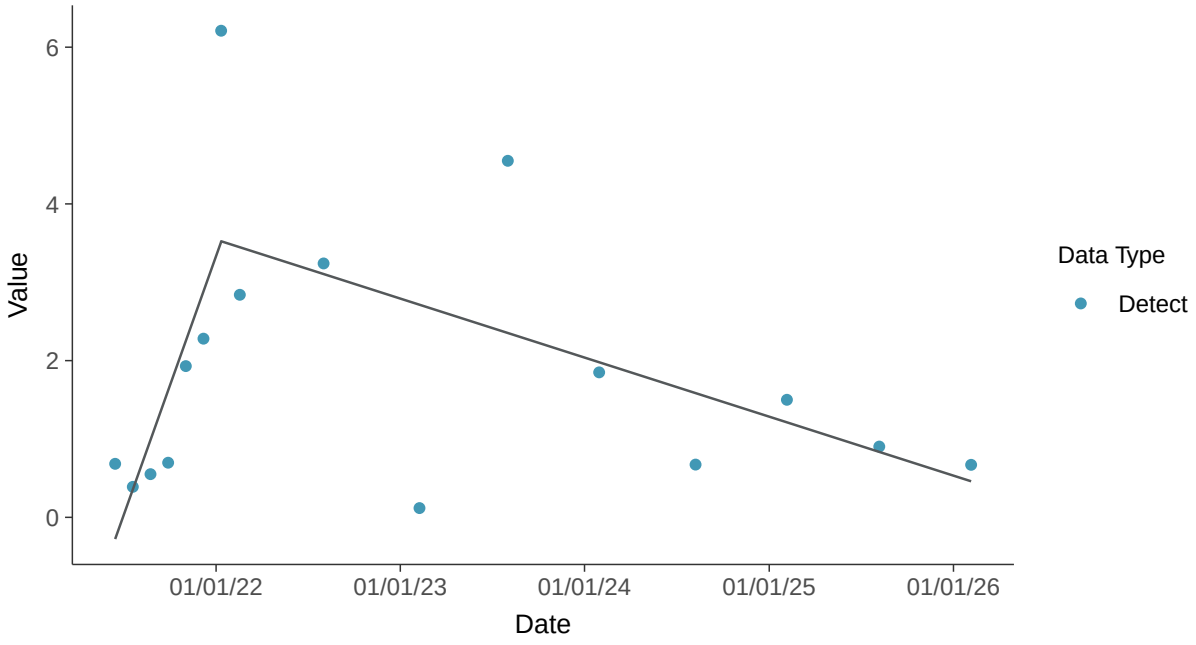
Trend Regression: Lognormal MLE

Radium-226+228, MW-8 (pci/l)



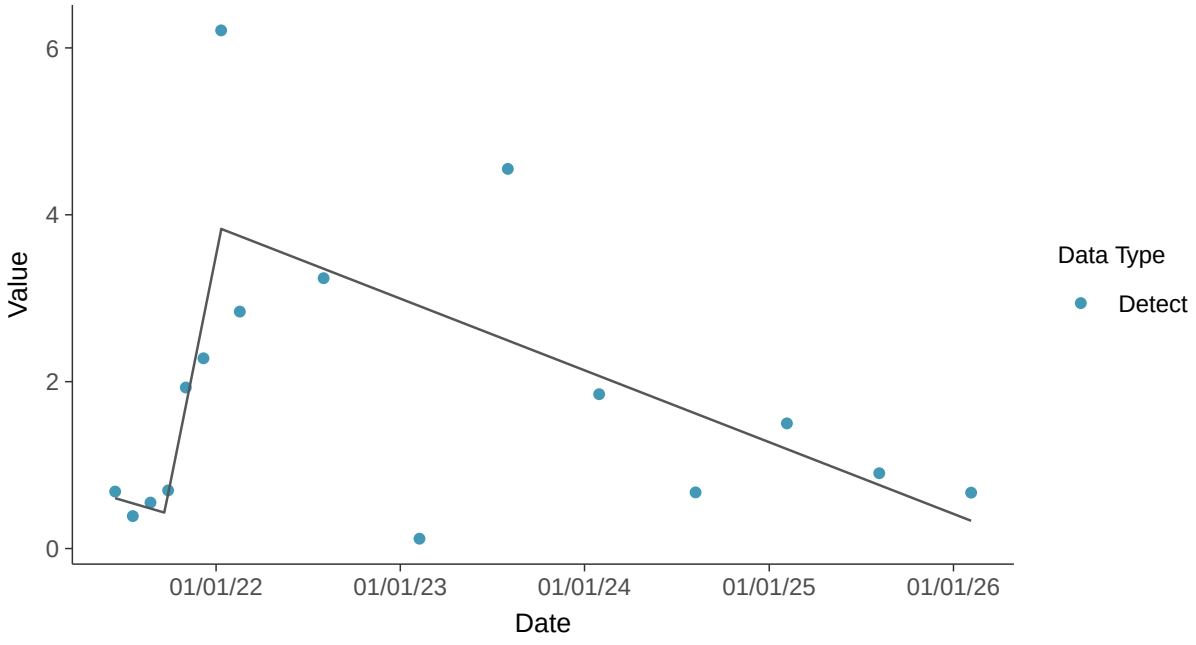
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-8 (pci/l)



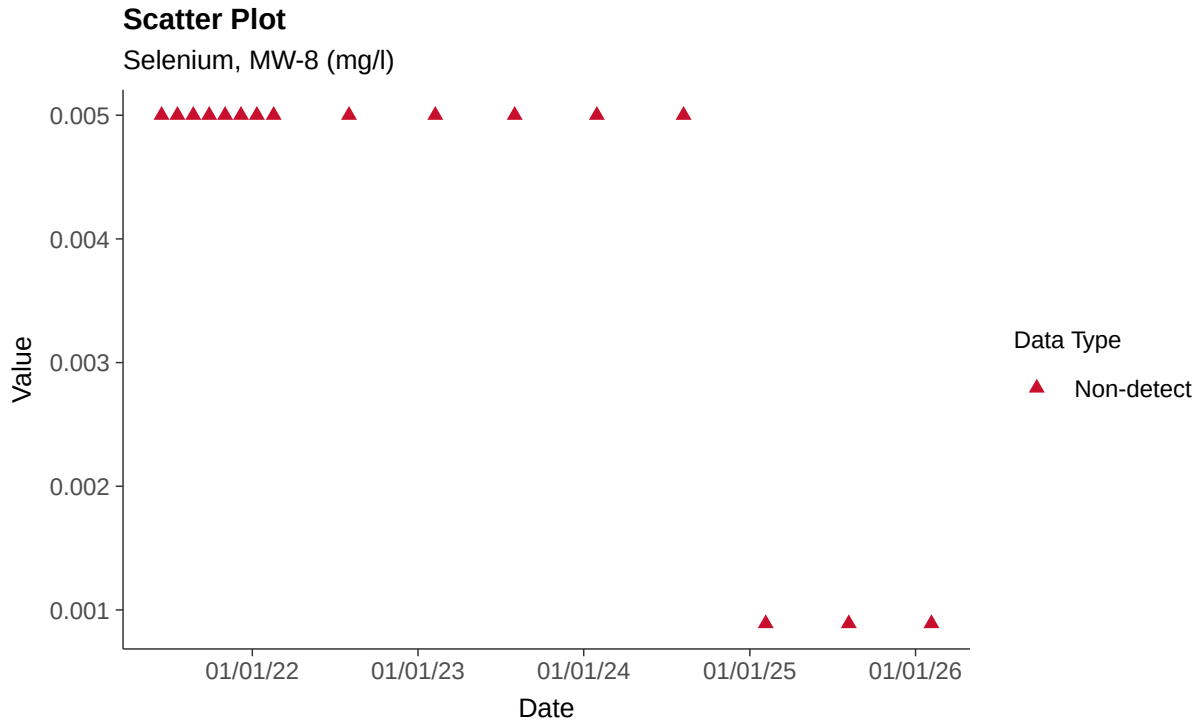
Trend Regression: Piecewise Linear-Linear-Linear

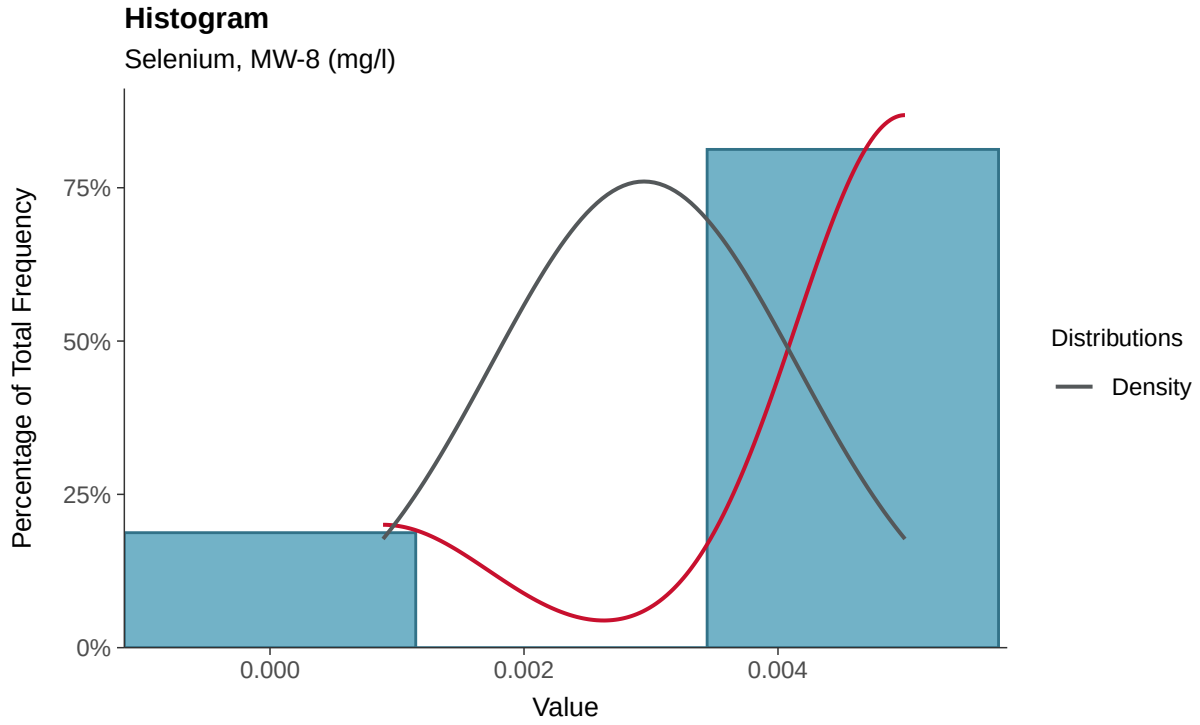
Radium-226+228, MW-8 (pci/l)



Appendix IV: Selenium, MW-8

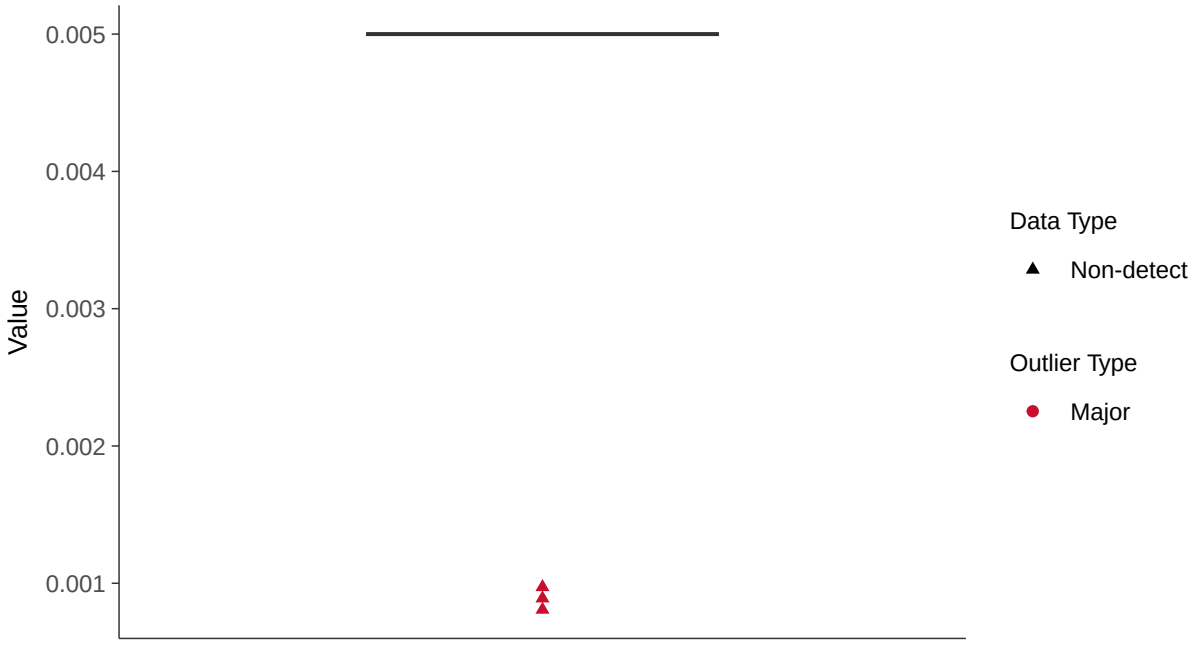
ID: 17_3_122





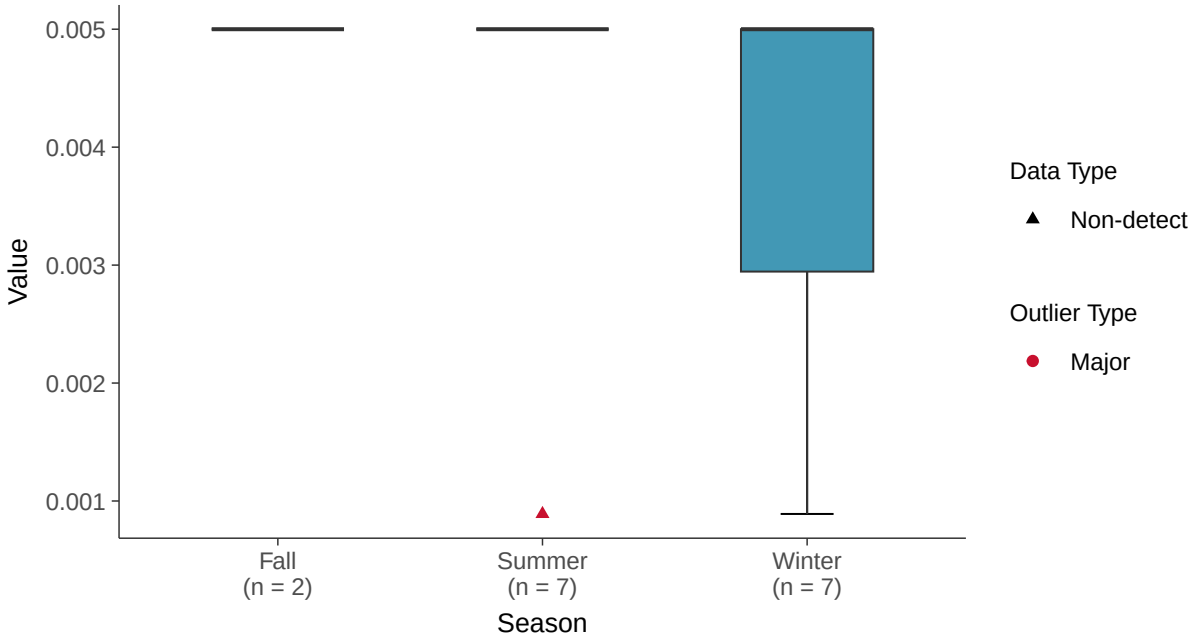
Boxplot

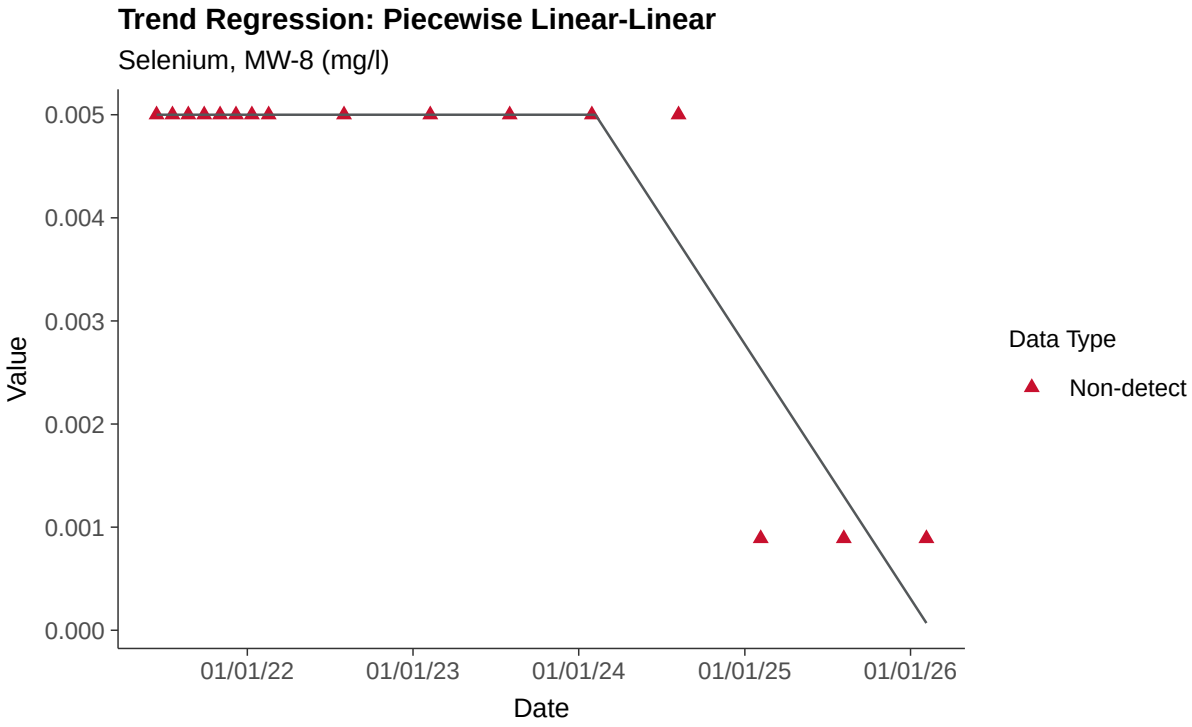
Selenium, MW-8 (mg/l)



Boxplot by Season

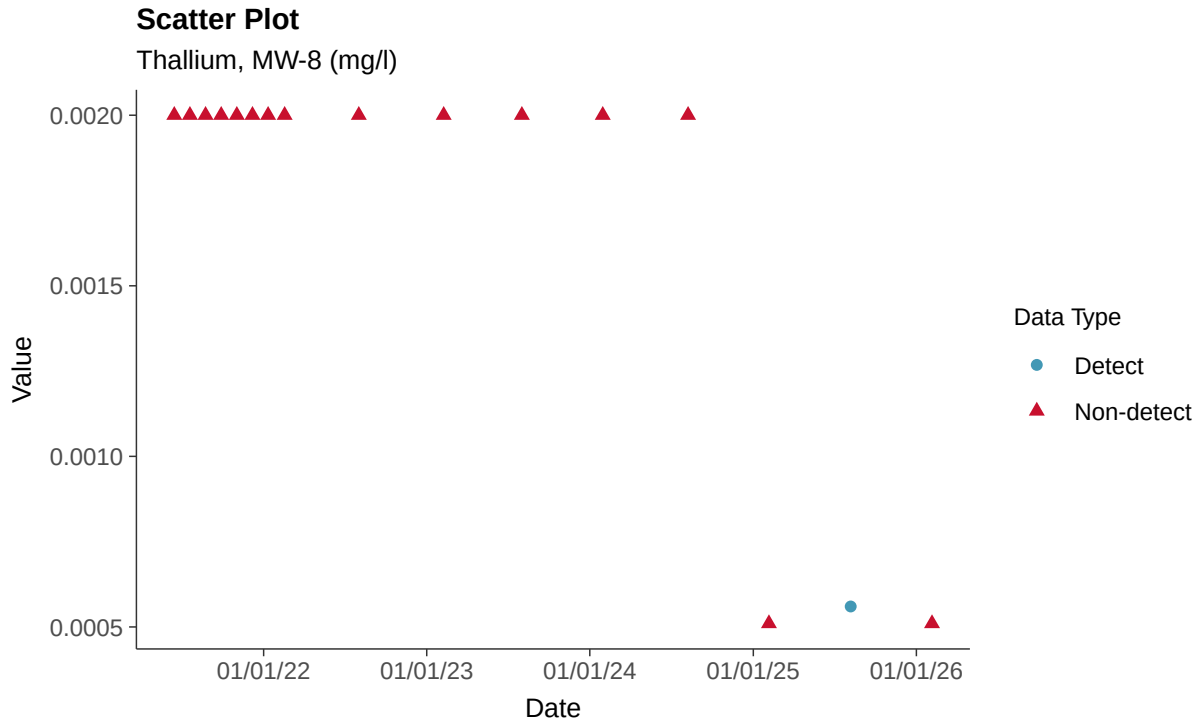
Selenium, MW-8 (mg/l)

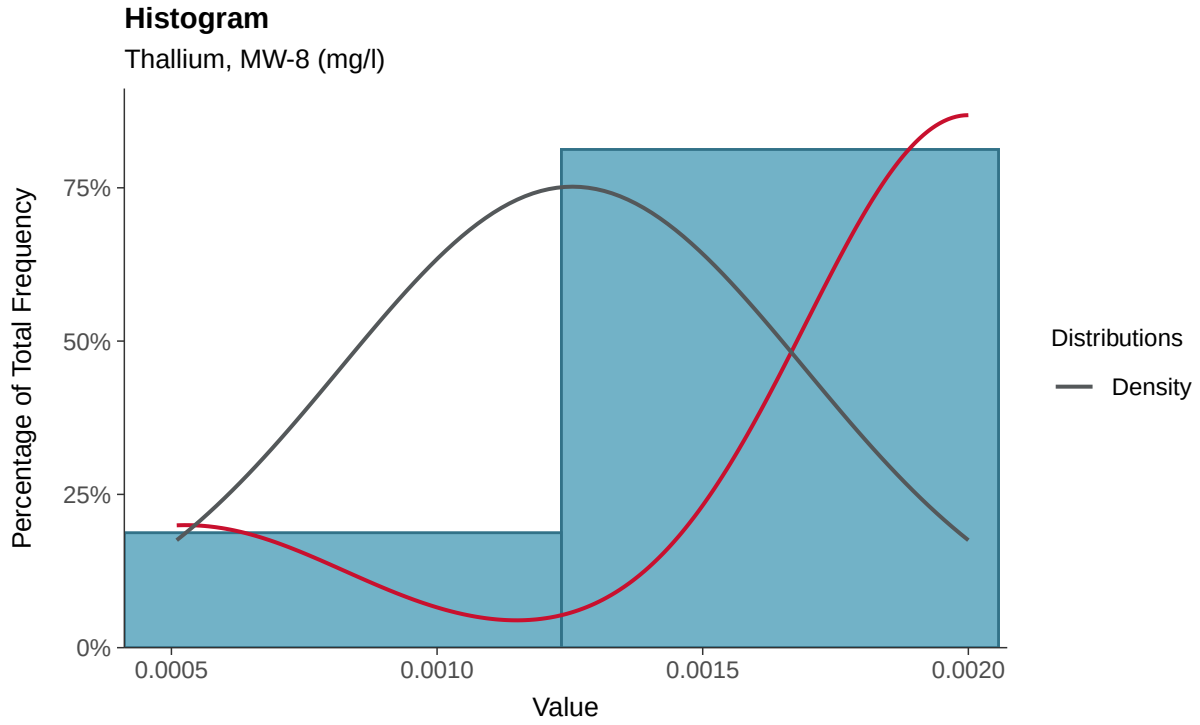



Trend Regression: Piecewise Linear-Linear
Selenium, MW-8 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-8

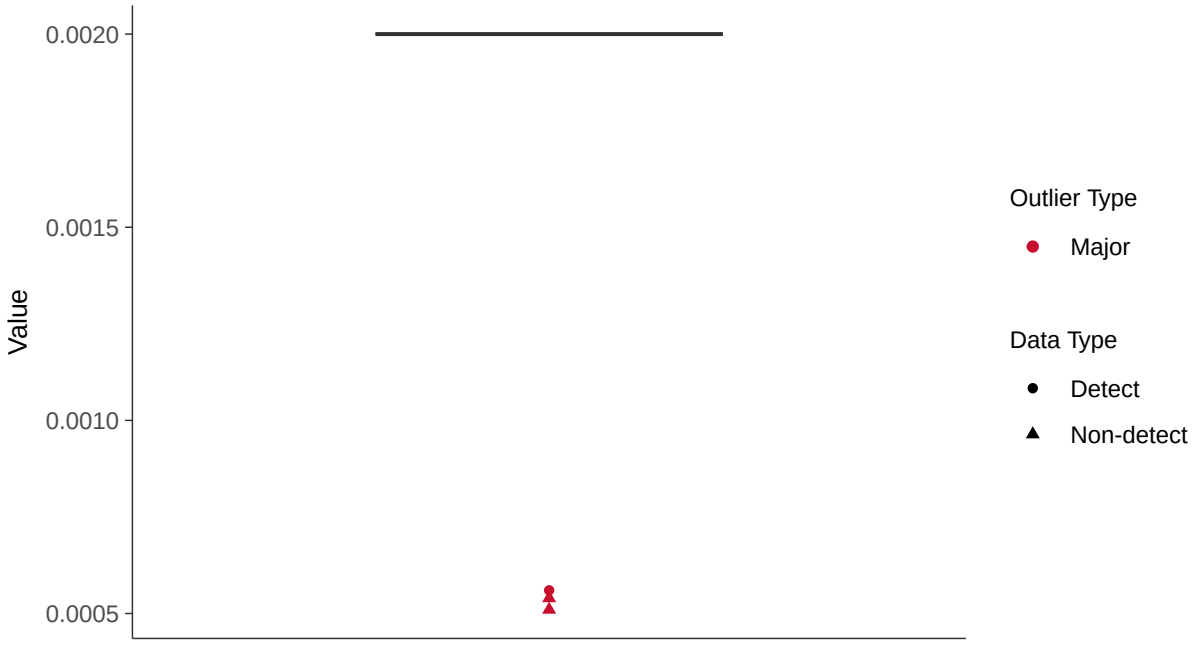
ID: 17_3_125





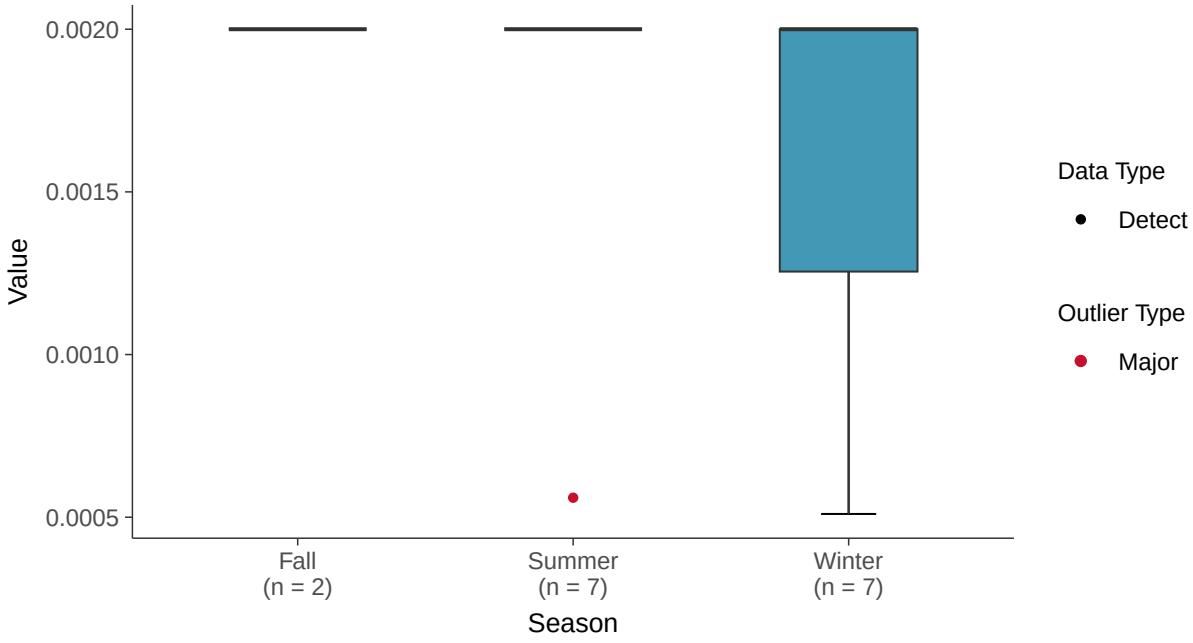
Boxplot

Thallium, MW-8 (mg/l)



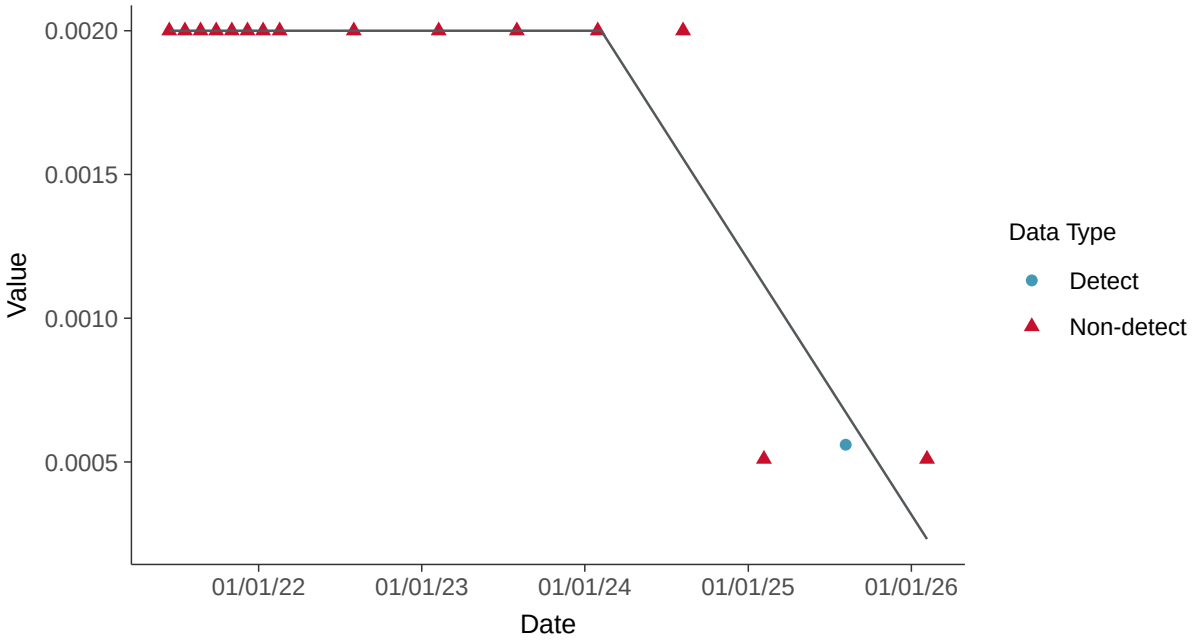
Boxplot by Season

Thallium, MW-8 (mg/l)



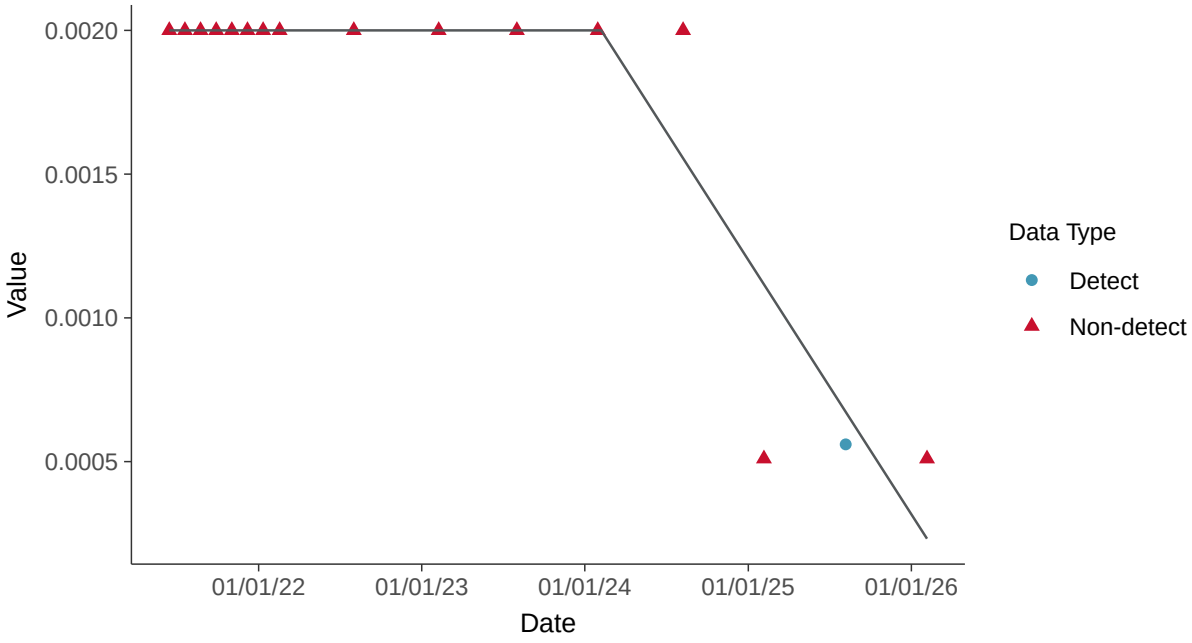
Trend Regression: Piecewise Linear-Linear

Thallium, MW-8 (mg/l)



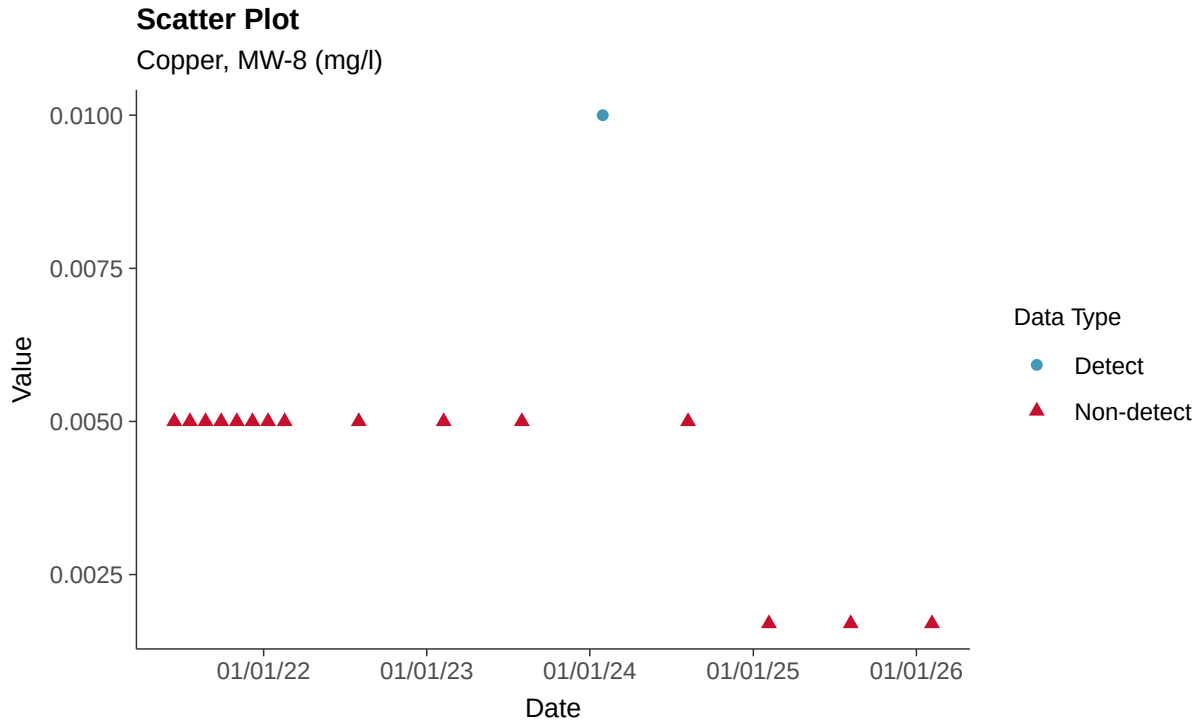
Trend Regression: Piecewise Linear-Linear-Linear

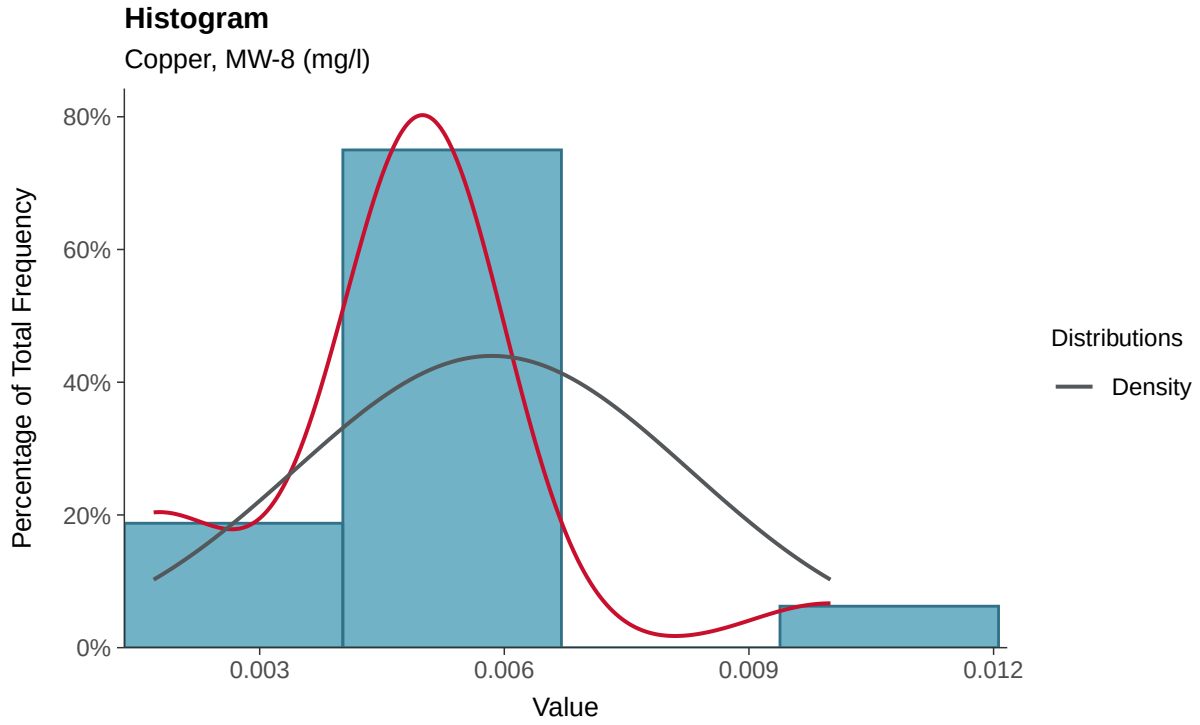
Thallium, MW-8 (mg/l)



Part 115: Copper, MW-8

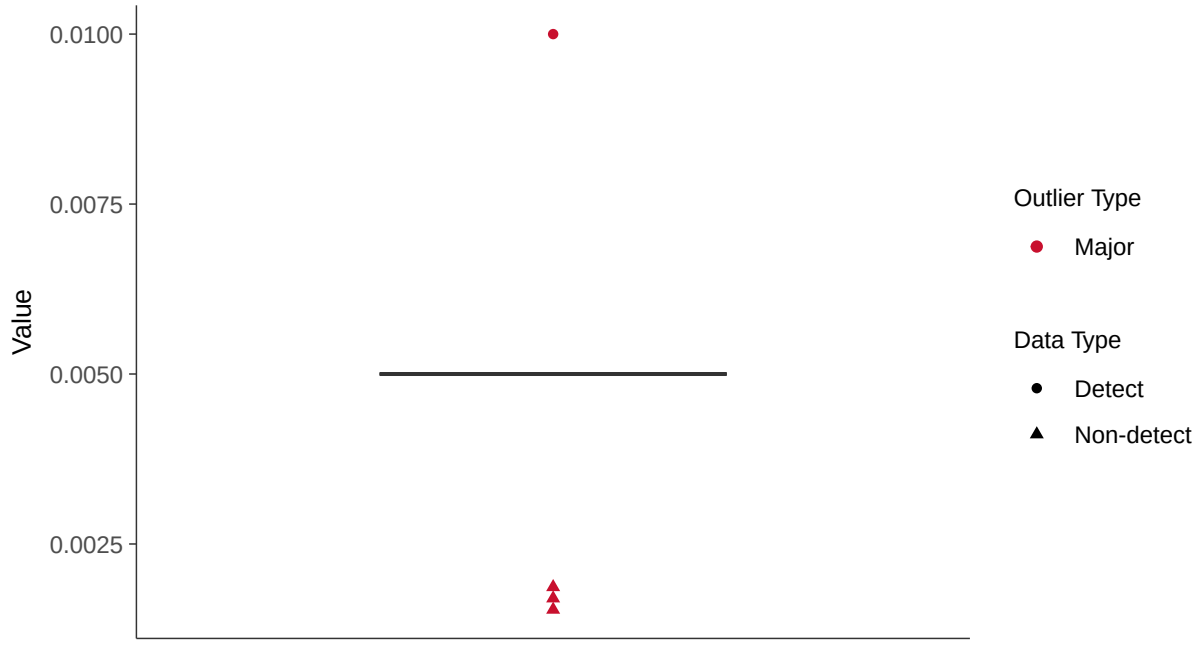
ID: 17_5_111





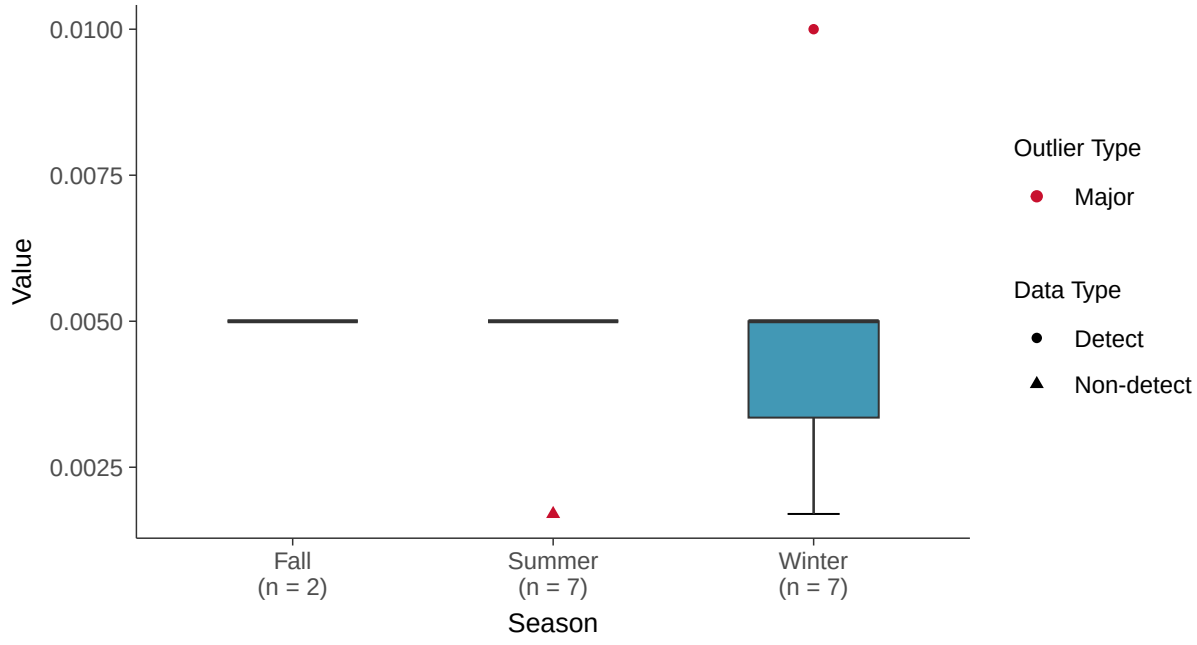
Boxplot

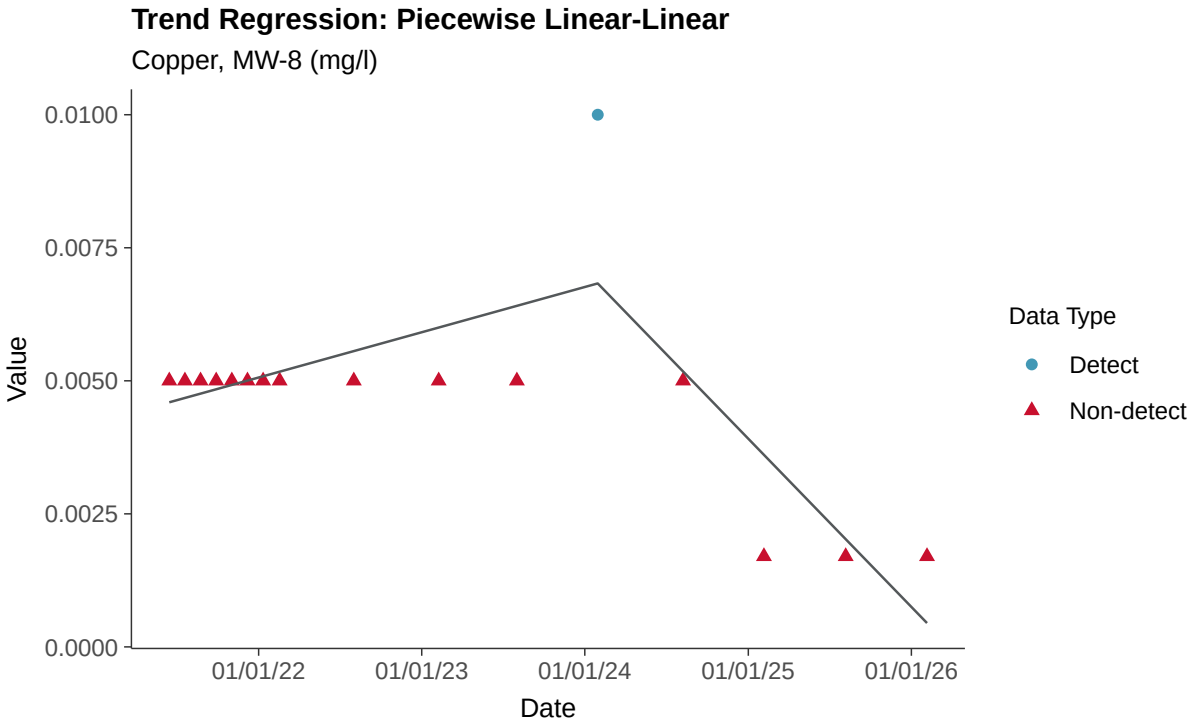
Copper, MW-8 (mg/l)



Boxplot by Season

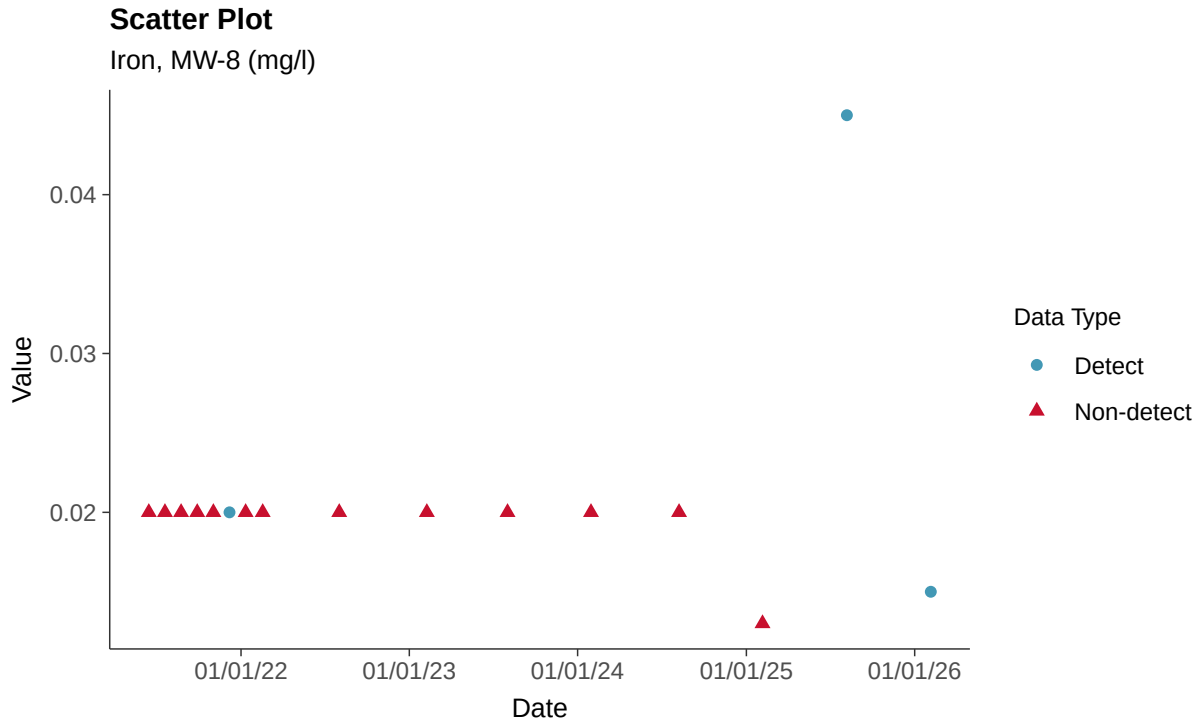
Copper, MW-8 (mg/l)

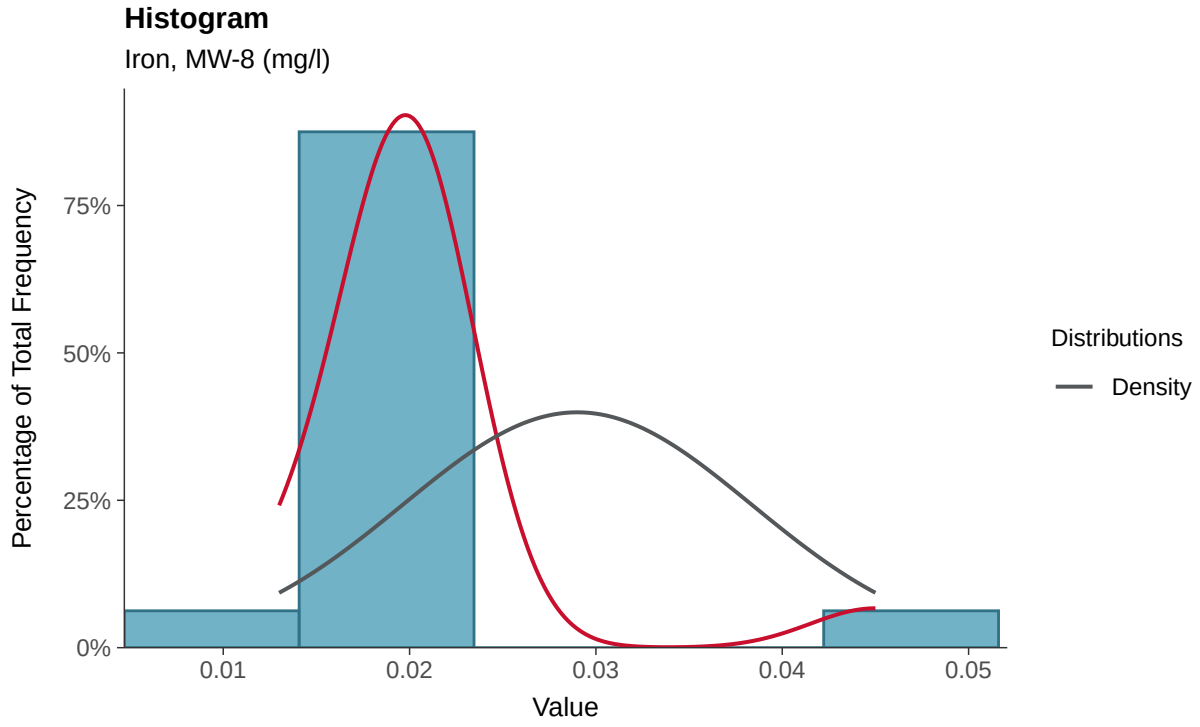



Trend Regression: Piecewise Linear-Linear
Copper, MW-8 (mg/l)
Value
0.0100
0.0075
0.0050
0.0025
0.0000
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Iron, MW-8

ID: 17_5_114



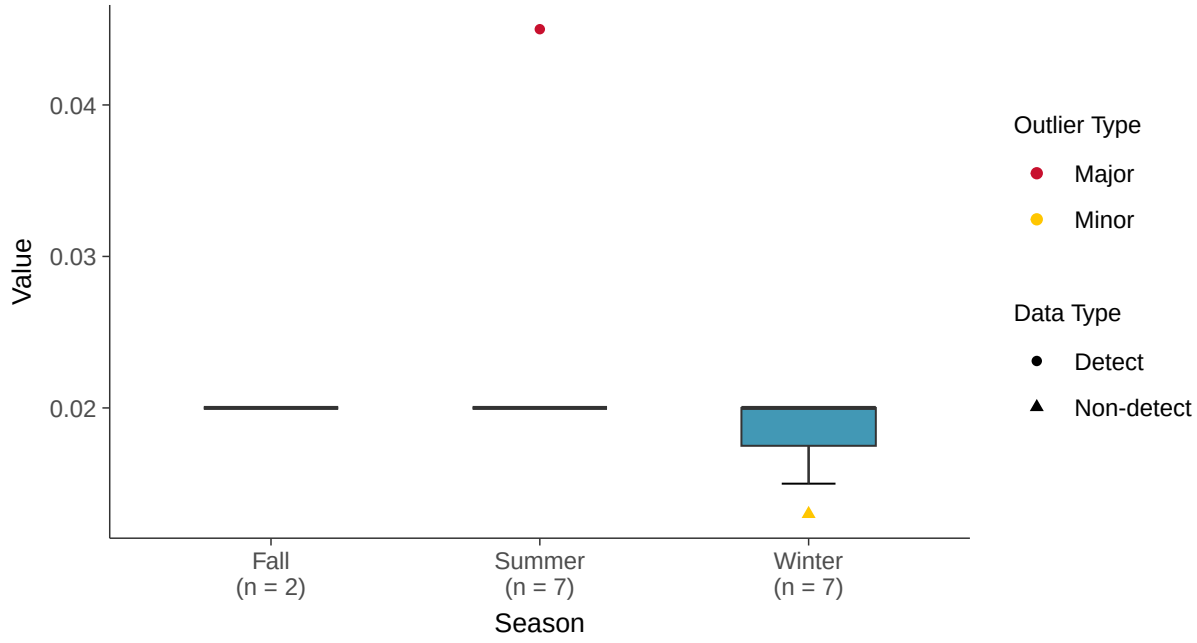


Boxplot

Iron, MW-8 (mg/l)

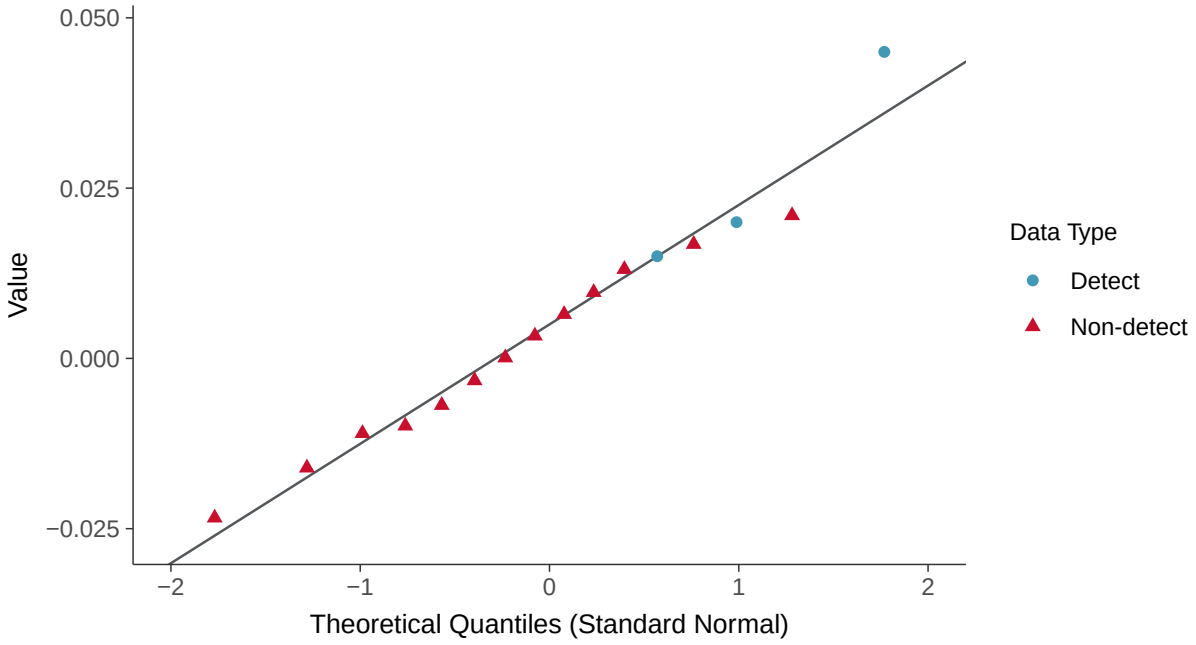
Boxplot by Season

Iron, MW-8 (mg/l)



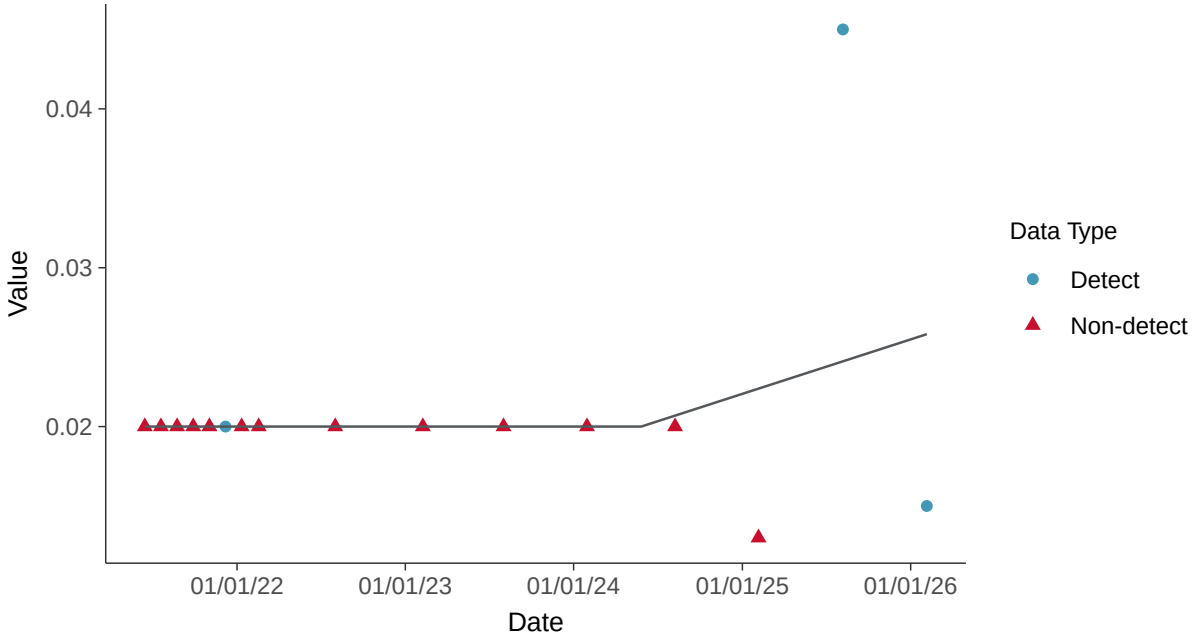
Normal Q-Q plot using ROS Imputed Estimates

Iron, MW-8 (mg/l)



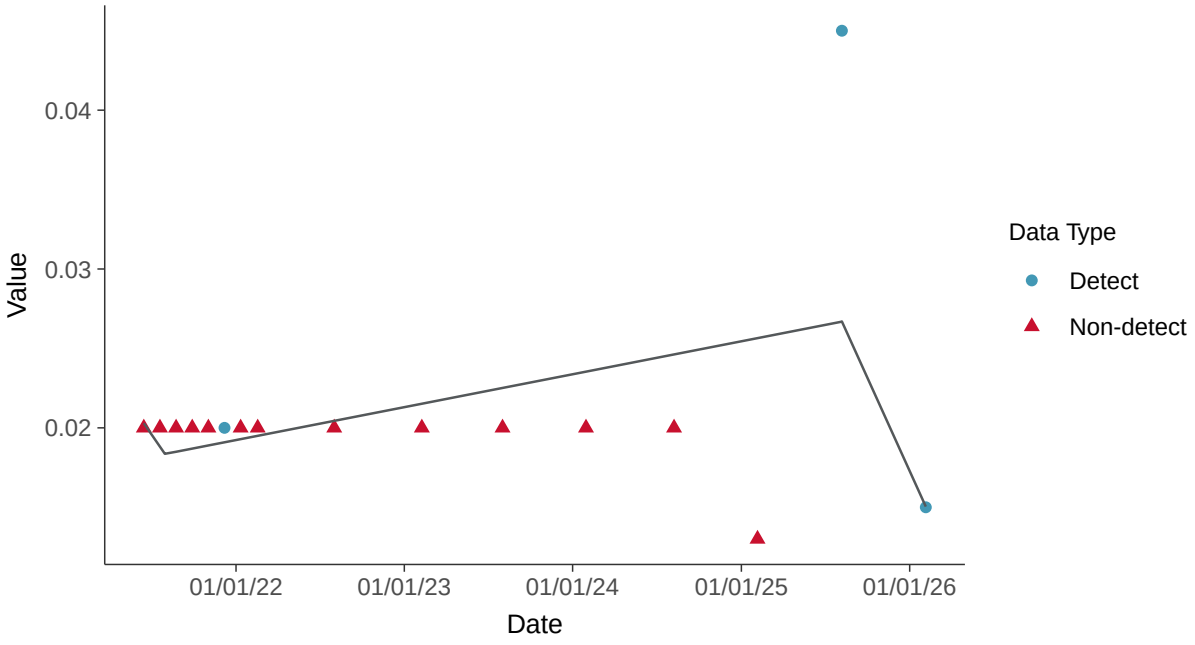
Trend Regression: Piecewise Linear-Linear

Iron, MW-8 (mg/l)



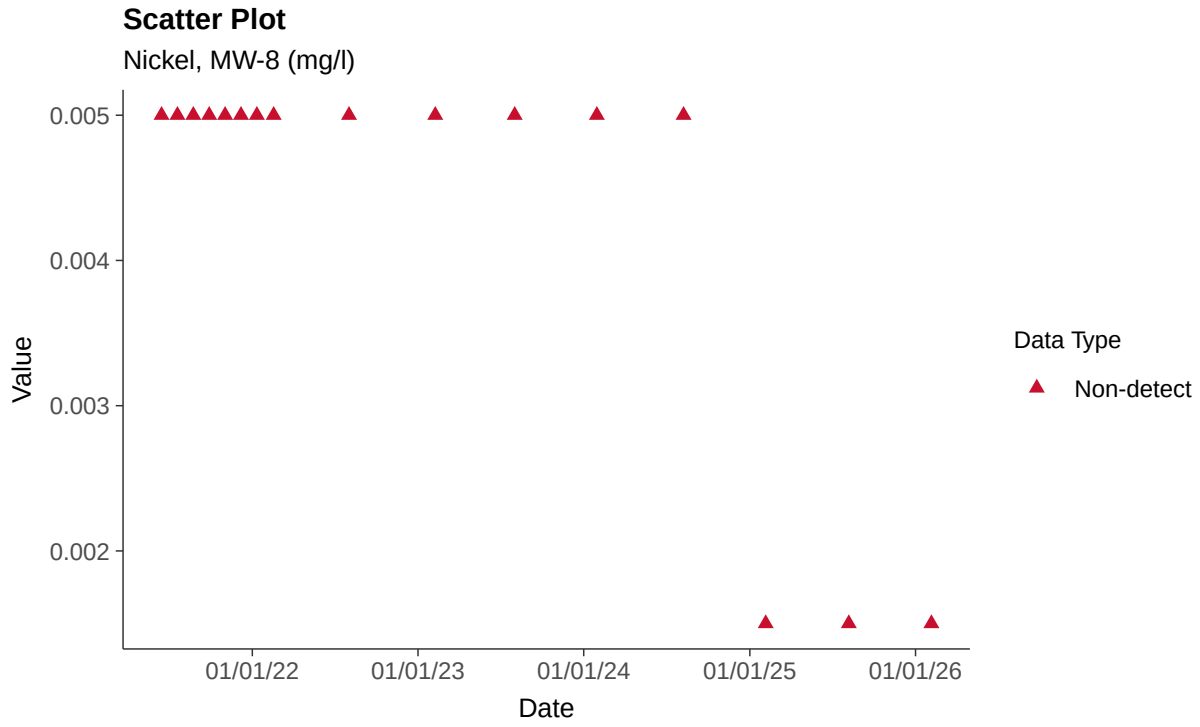
Trend Regression: Piecewise Linear-Linear-Linear

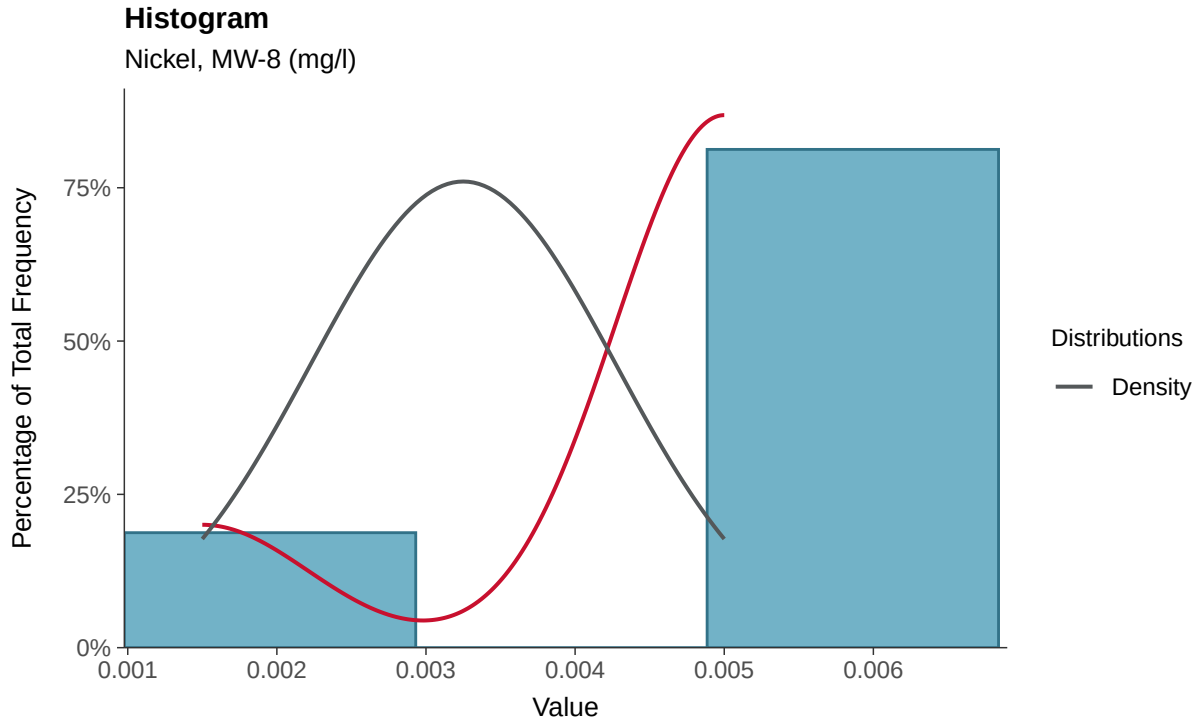
Iron, MW-8 (mg/l)



Part 115: Nickel, MW-8

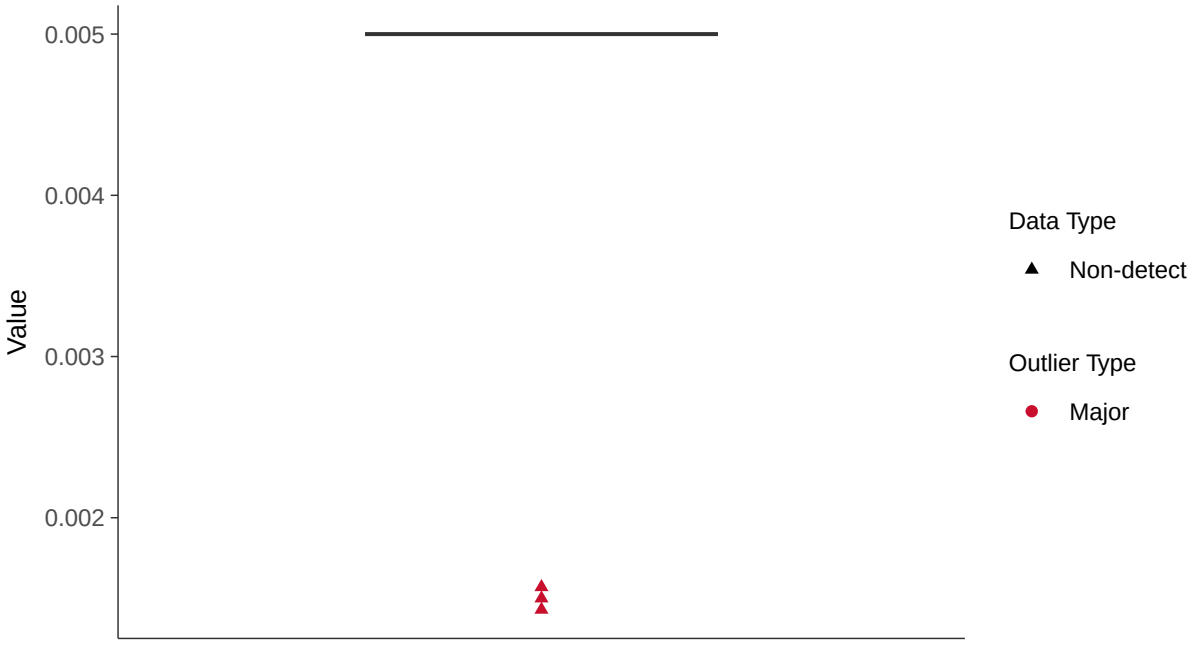
ID: 17_5_119





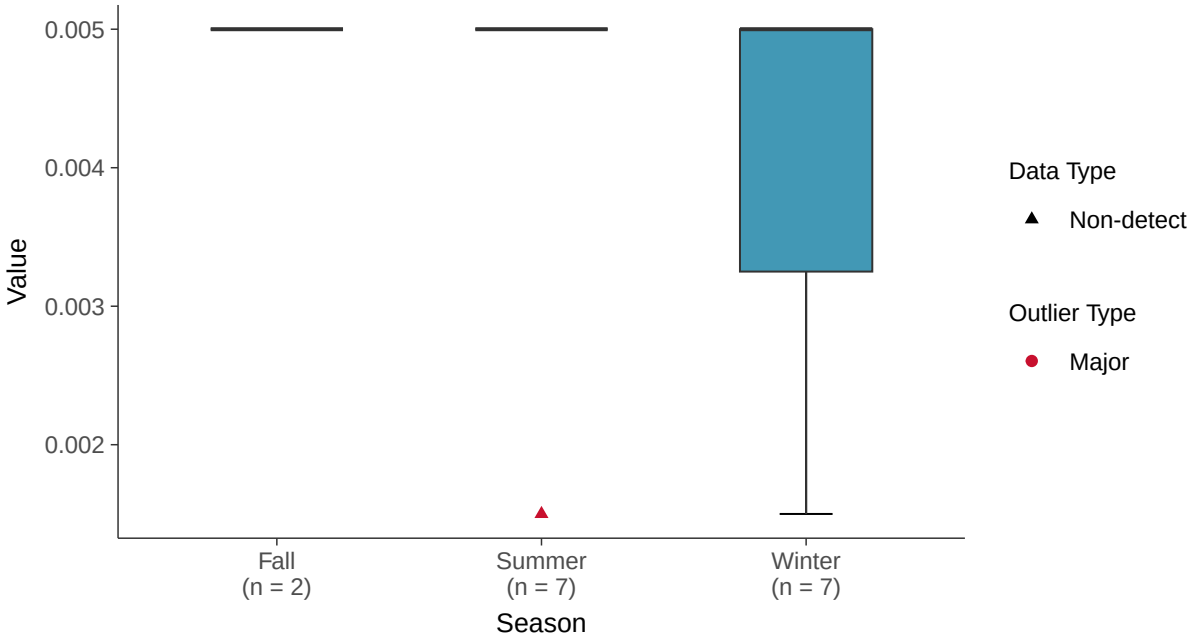
Boxplot

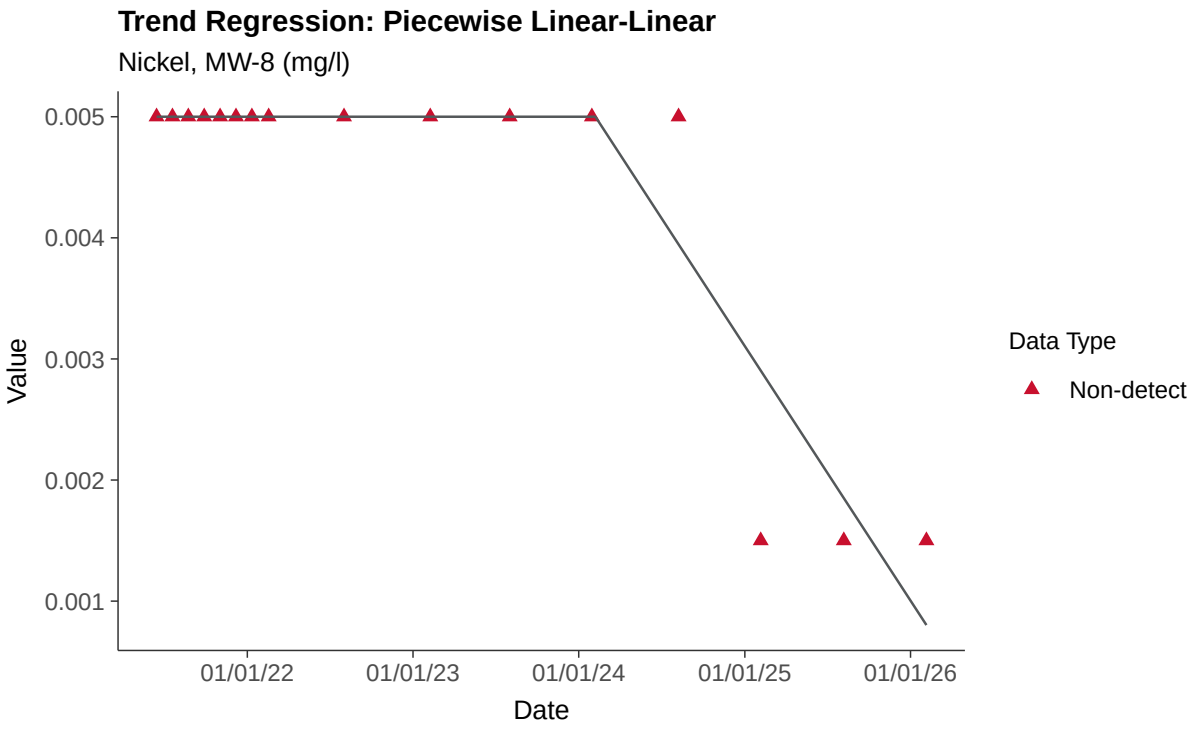
Nickel, MW-8 (mg/l)



Boxplot by Season

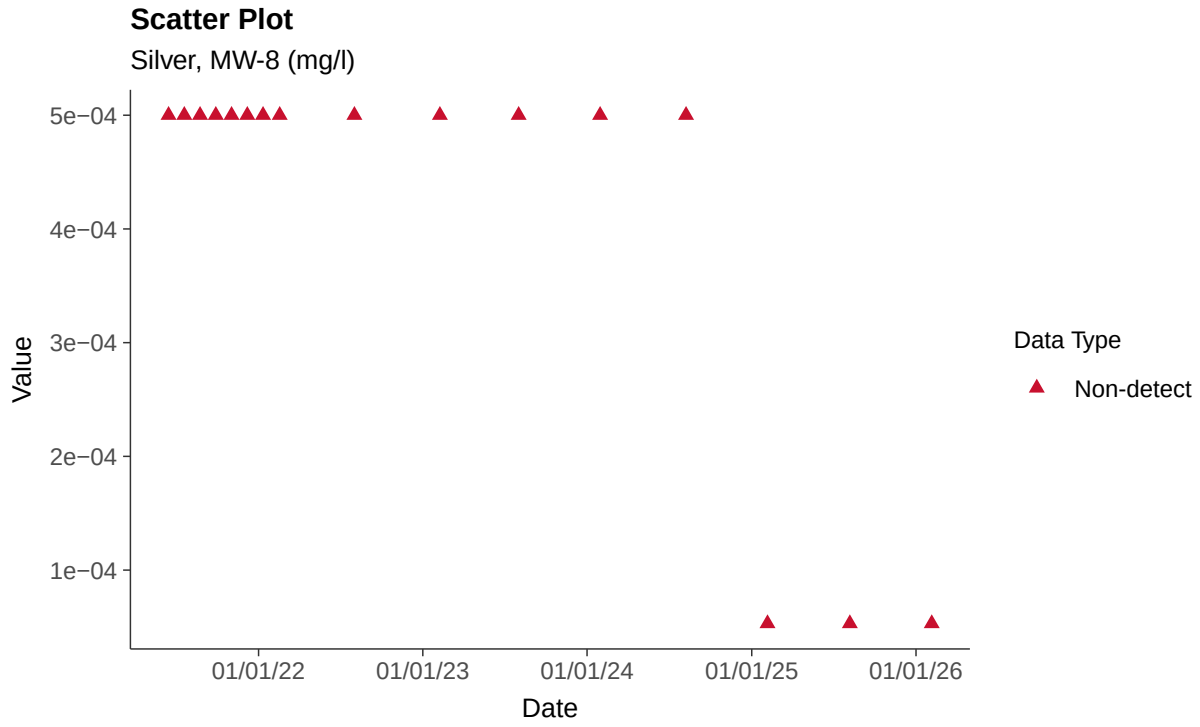
Nickel, MW-8 (mg/l)

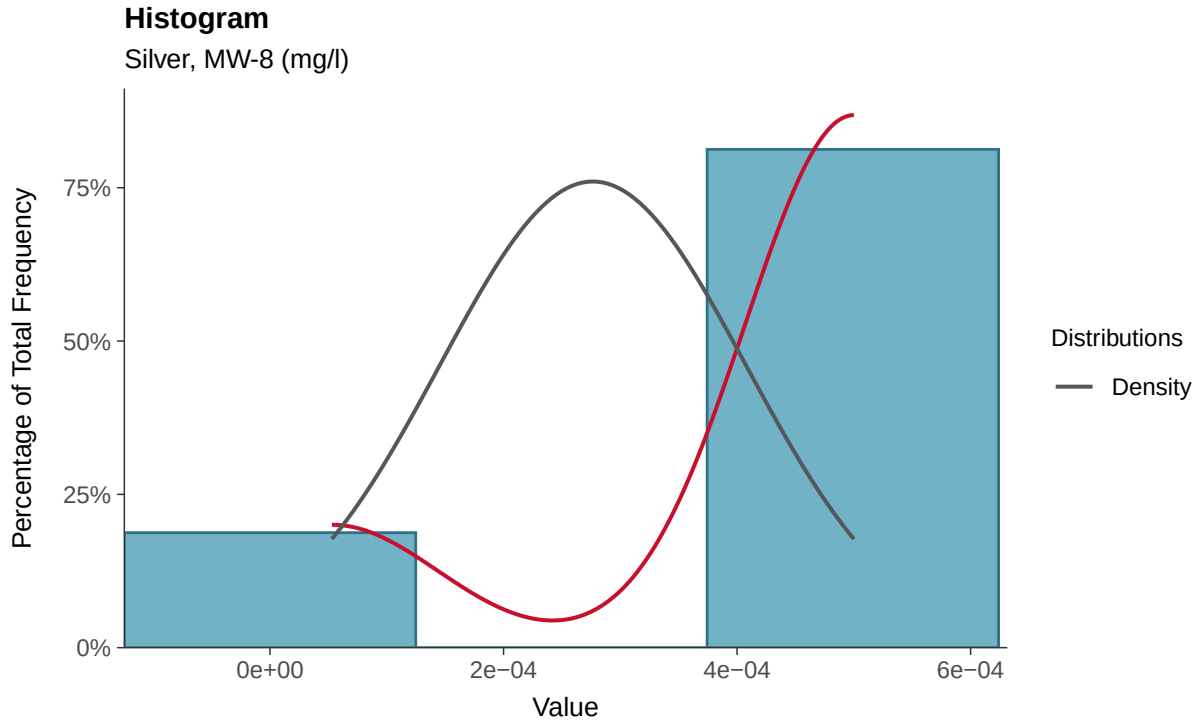



Trend Regression: Piecewise Linear-Linear
Nickel, MW-8 (mg/l)
0.005
0.004
0.003
0.002
0.001
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Silver, MW-8

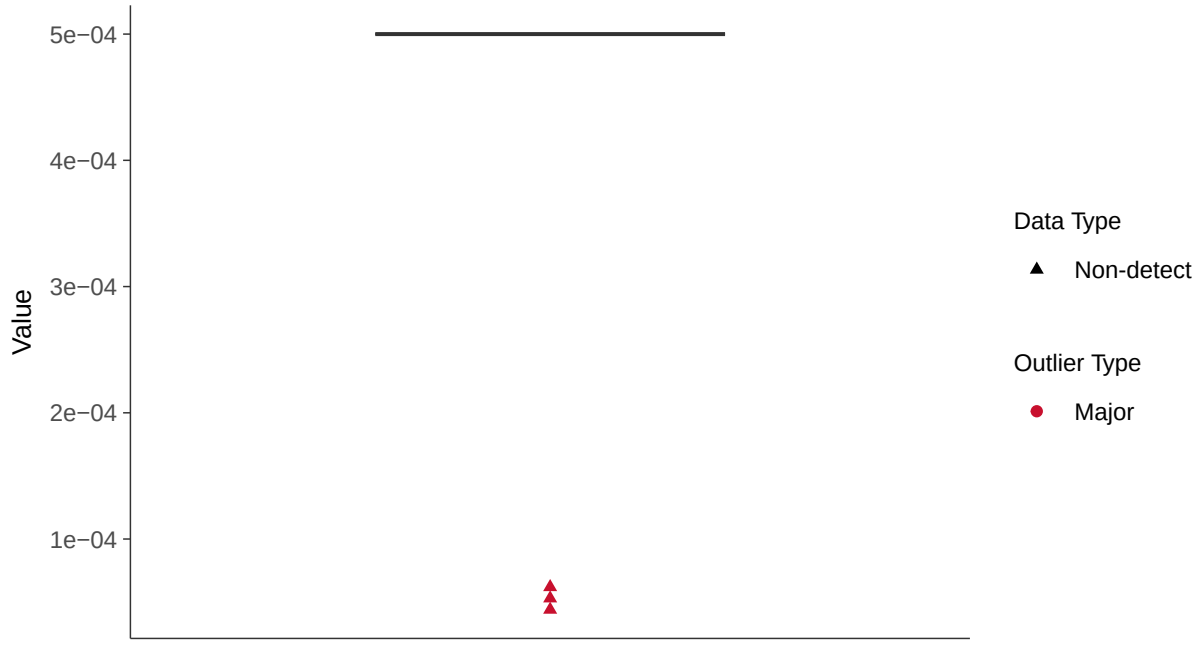
ID: 17_5_123





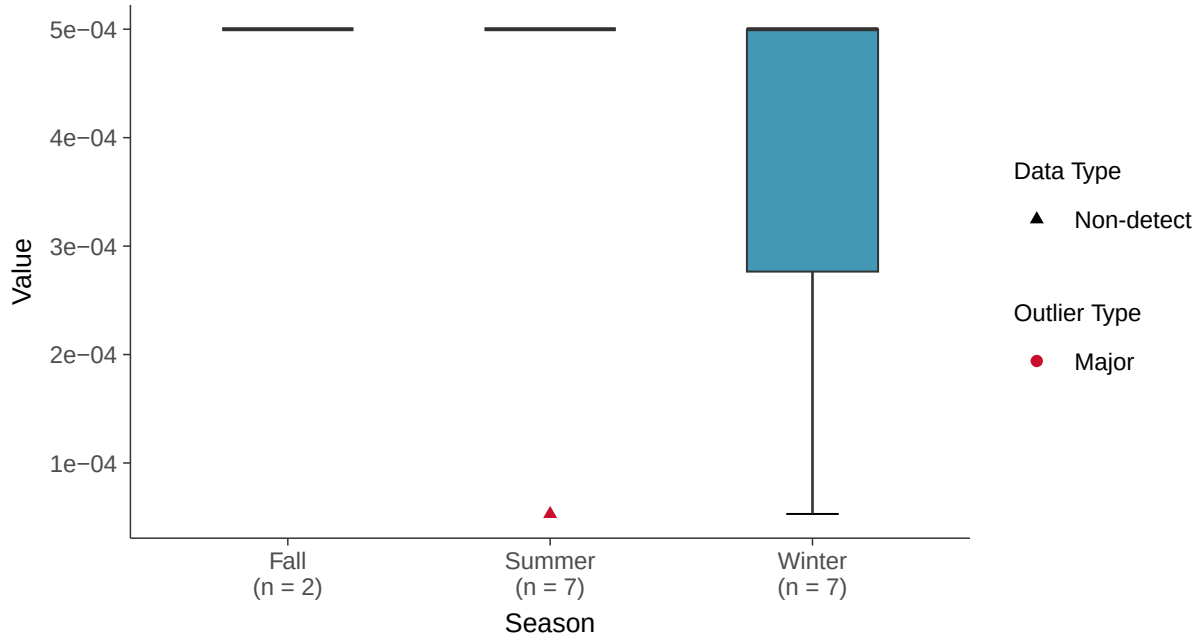
Boxplot

Silver, MW-8 (mg/l)



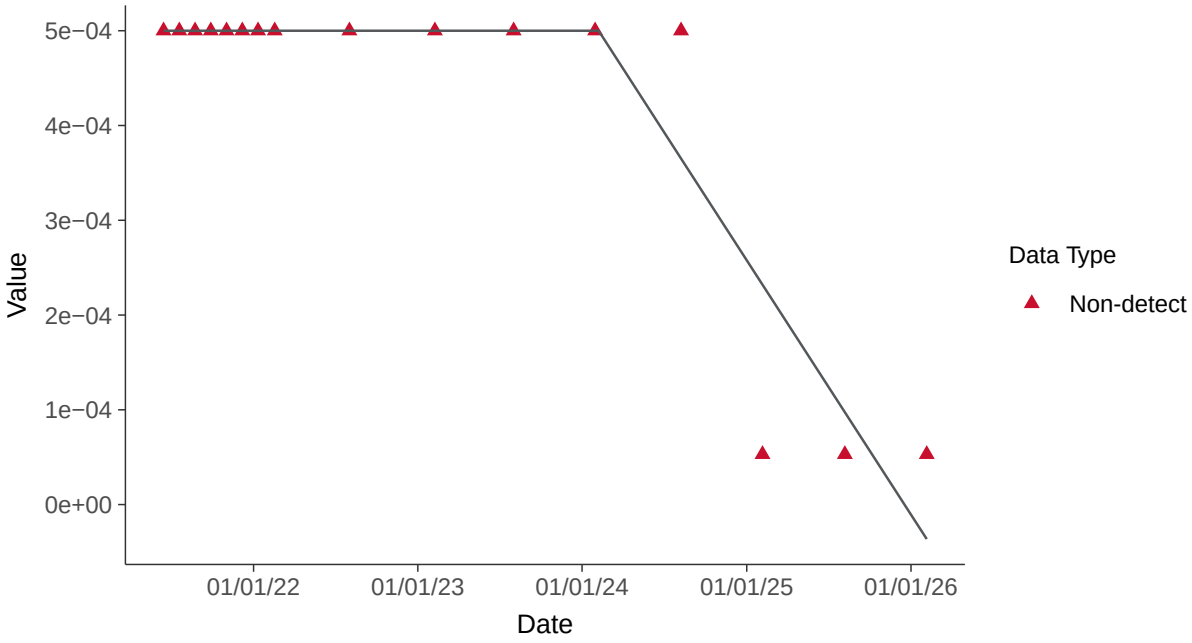
Boxplot by Season

Silver, MW-8 (mg/l)



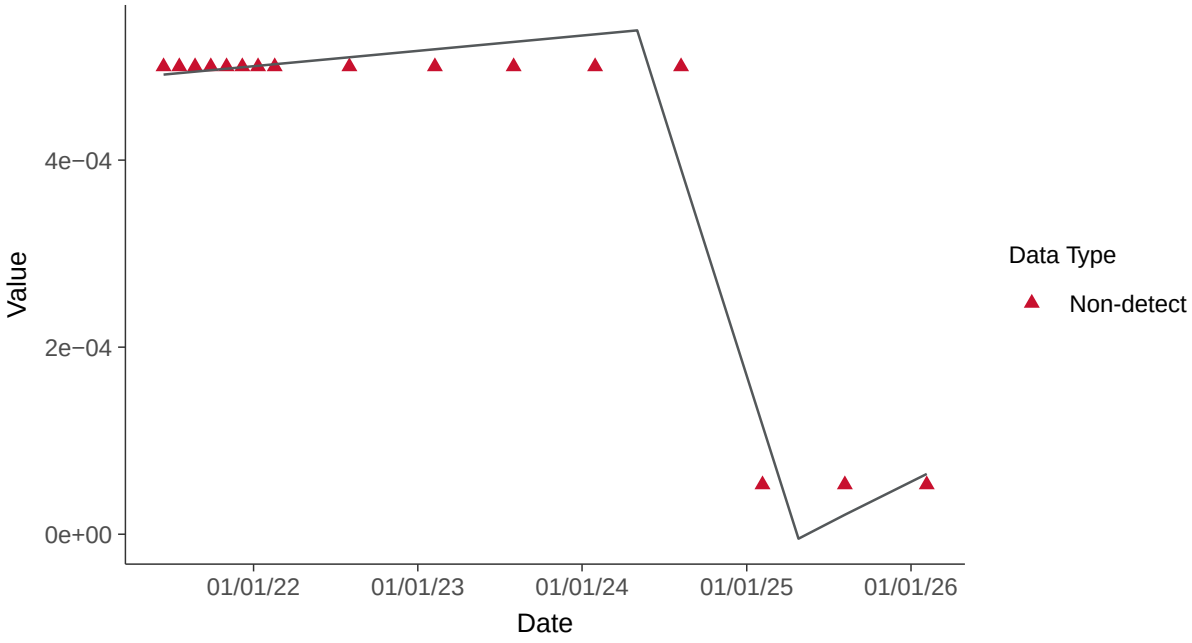
Trend Regression: Piecewise Linear-Linear

Silver, MW-8 (mg/l)



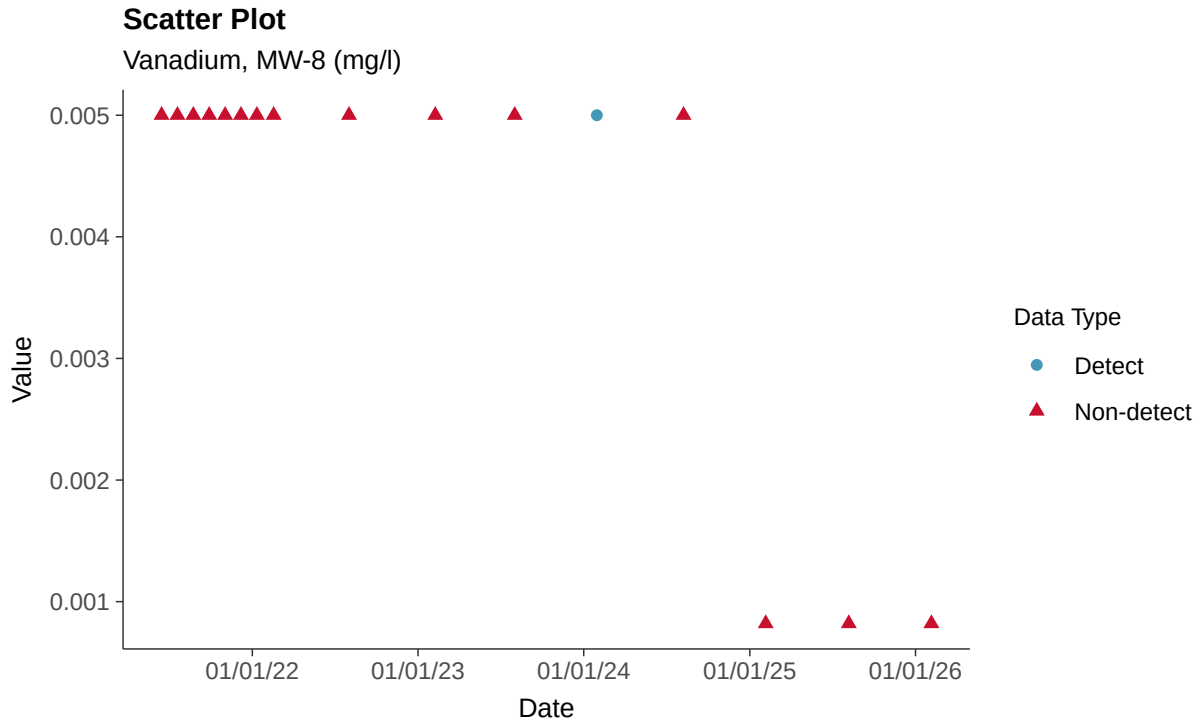
Trend Regression: Piecewise Linear-Linear-Linear

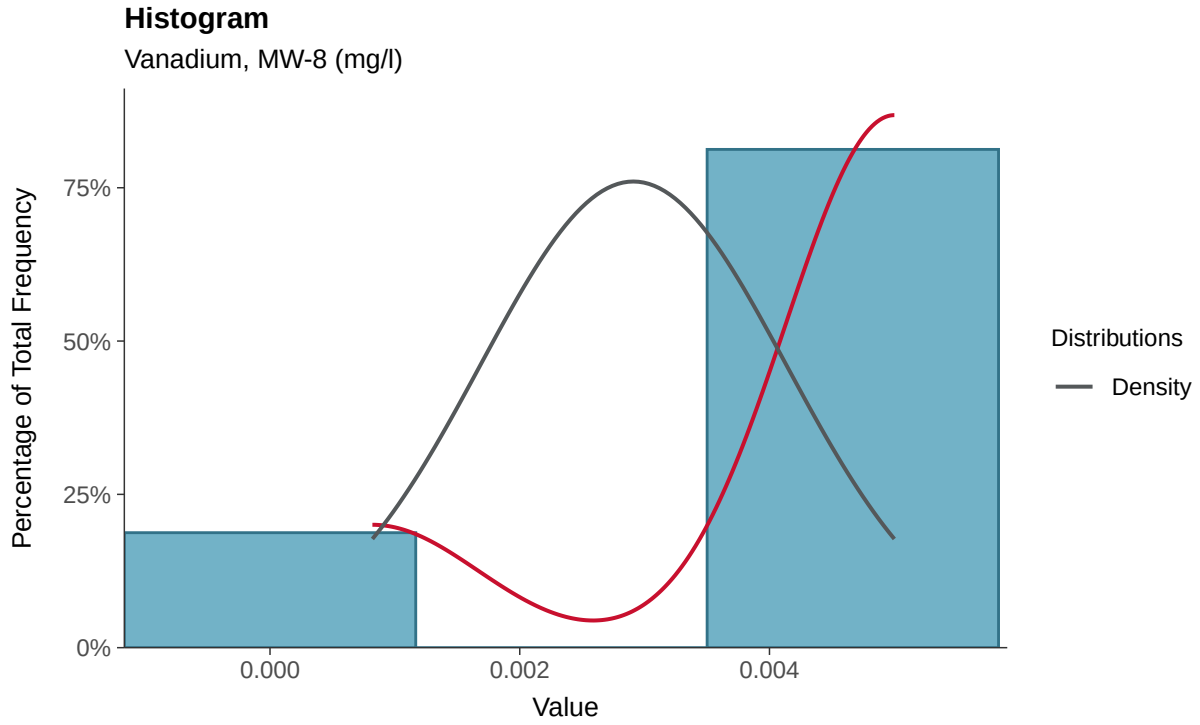
Silver, MW-8 (mg/l)



Part 115: Vanadium, MW-8

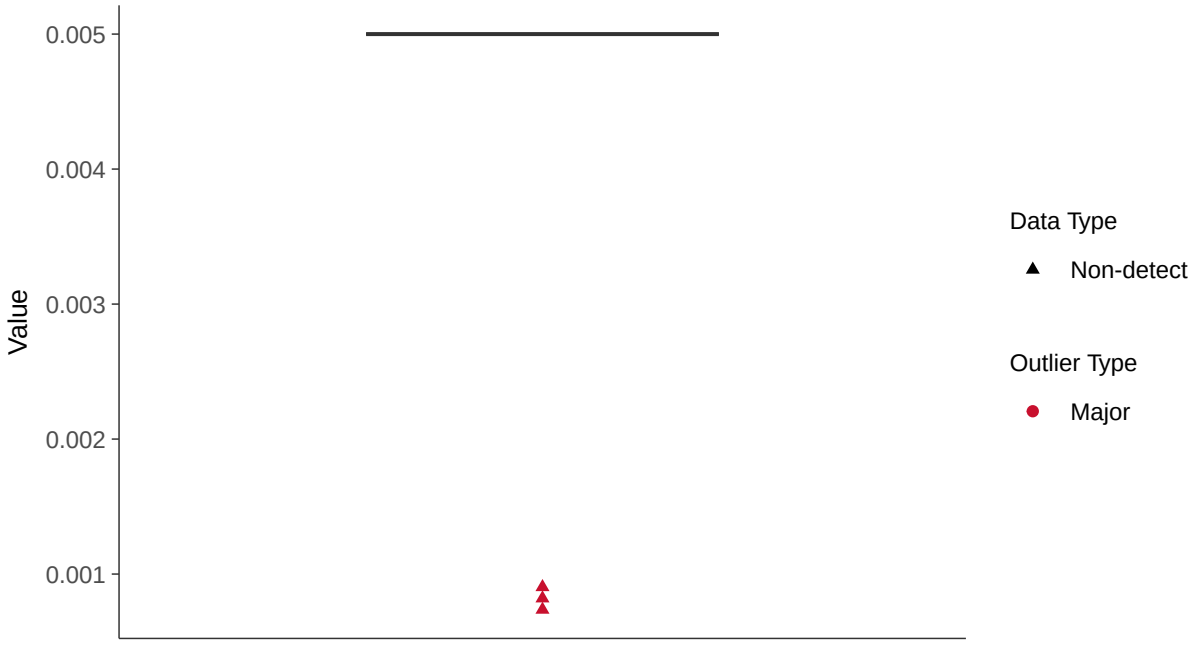
ID: 17_5_128





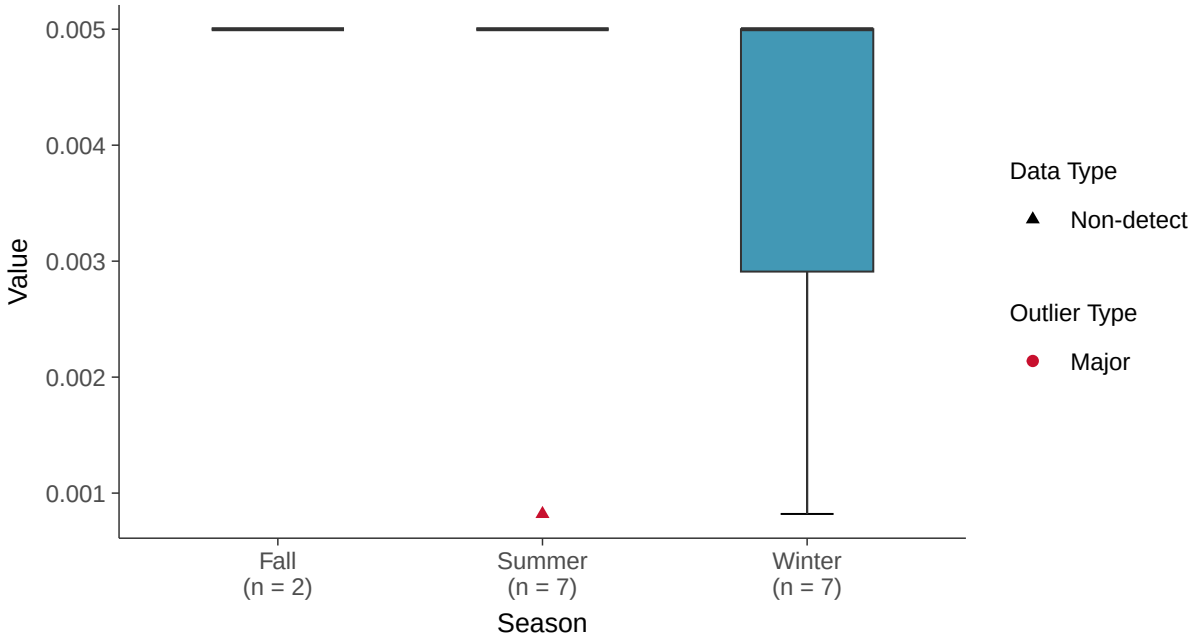
Boxplot

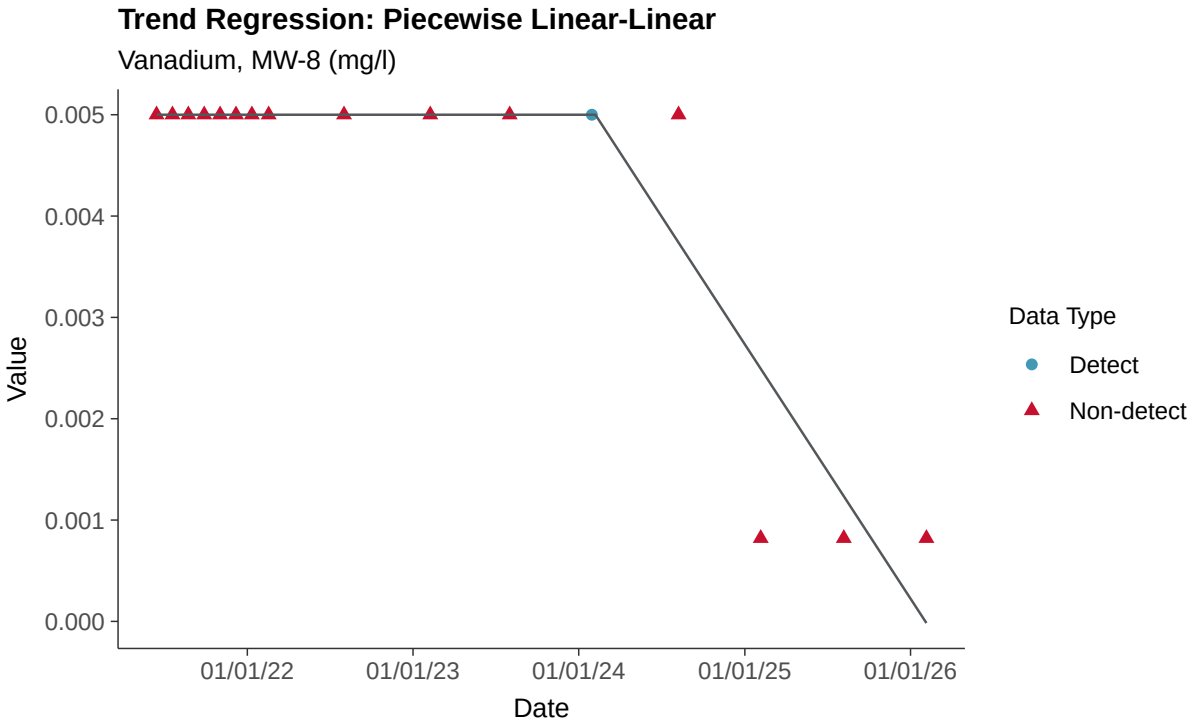
Vanadium, MW-8 (mg/l)



Boxplot by Season

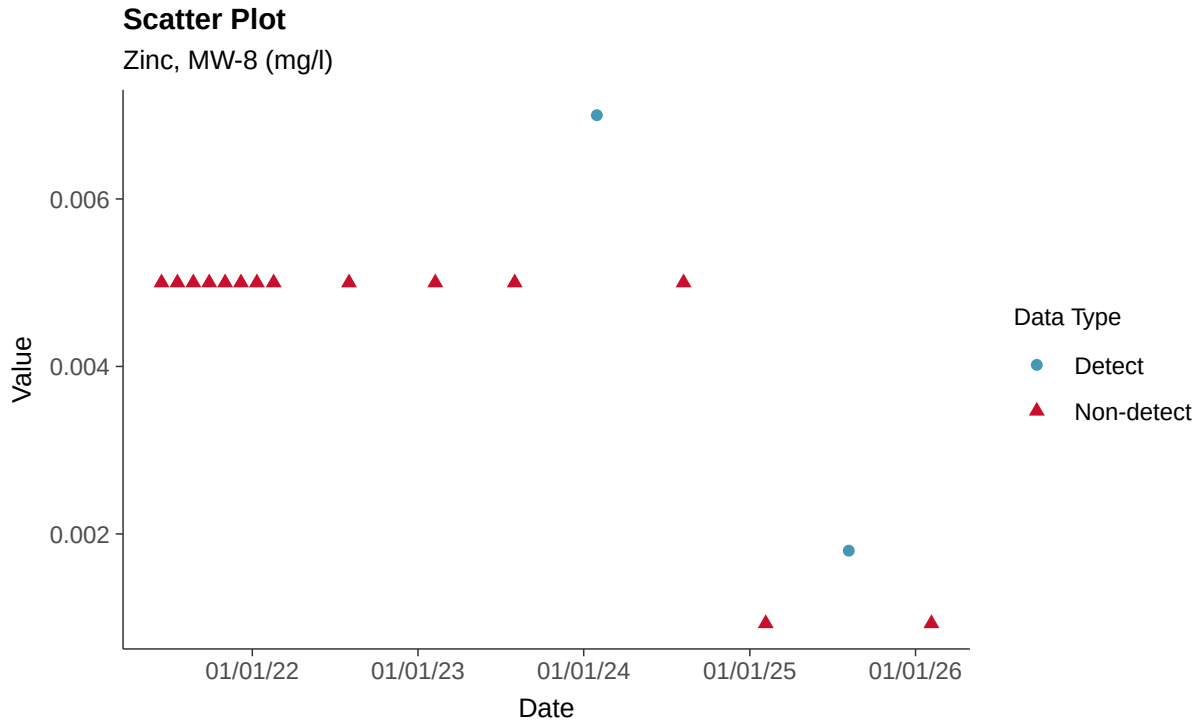
Vanadium, MW-8 (mg/l)

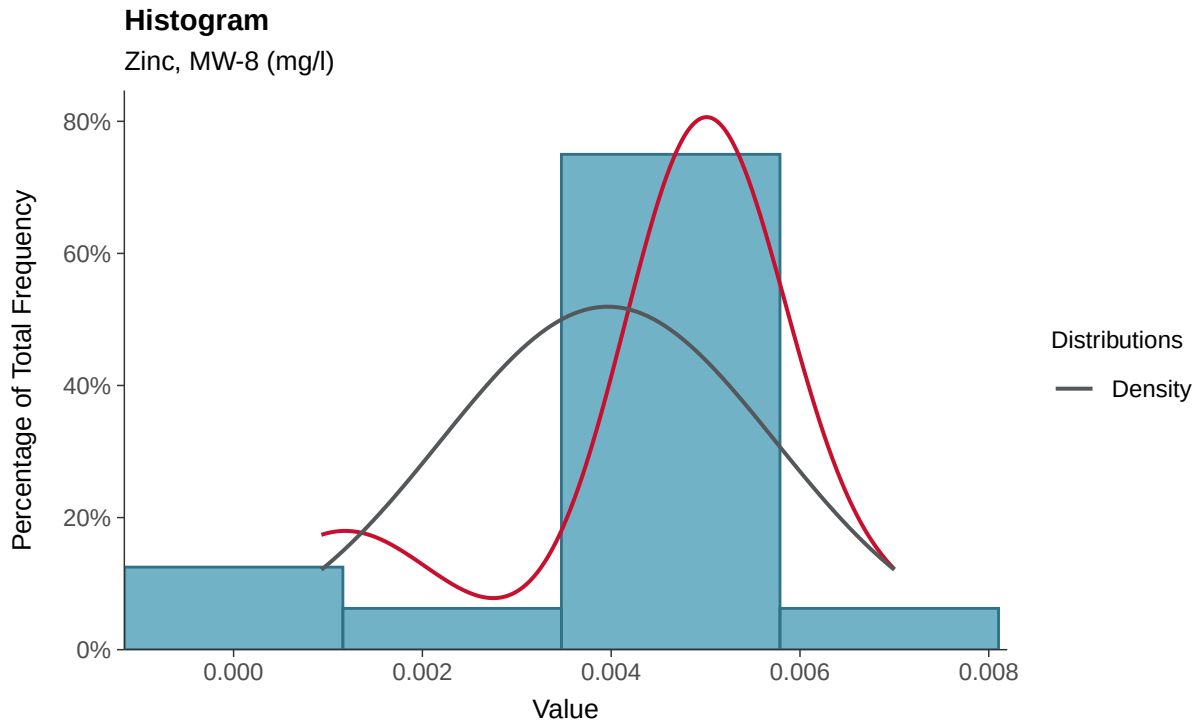



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-8 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Zinc, MW-8

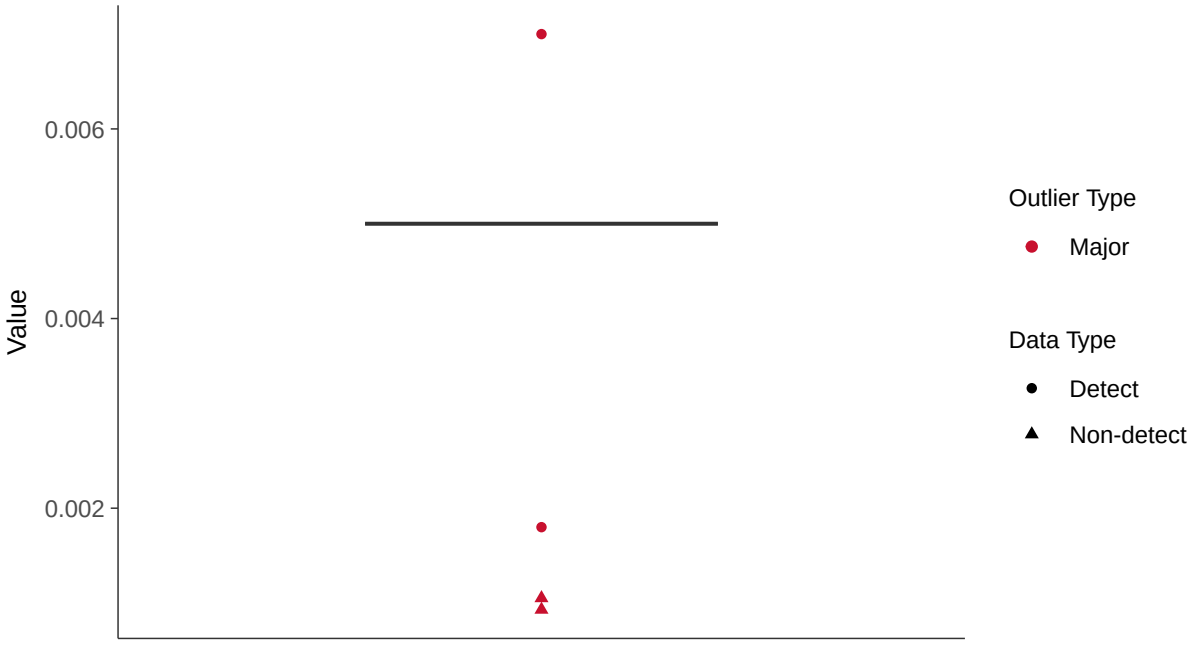
ID: 17_5_129





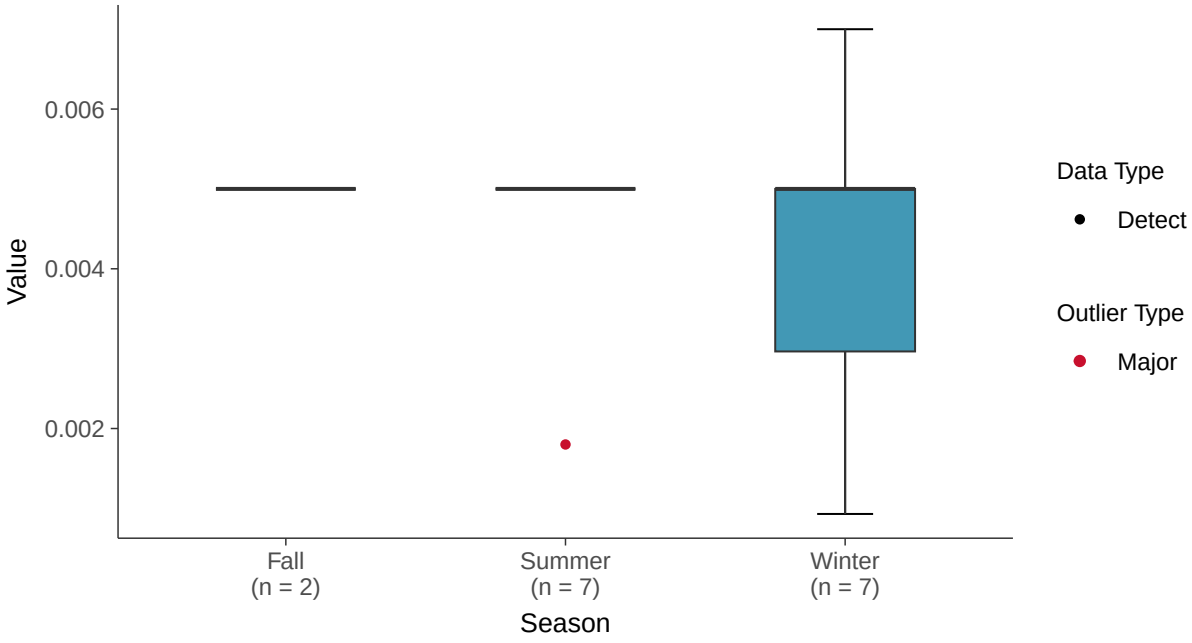
Boxplot

Zinc, MW-8 (mg/l)



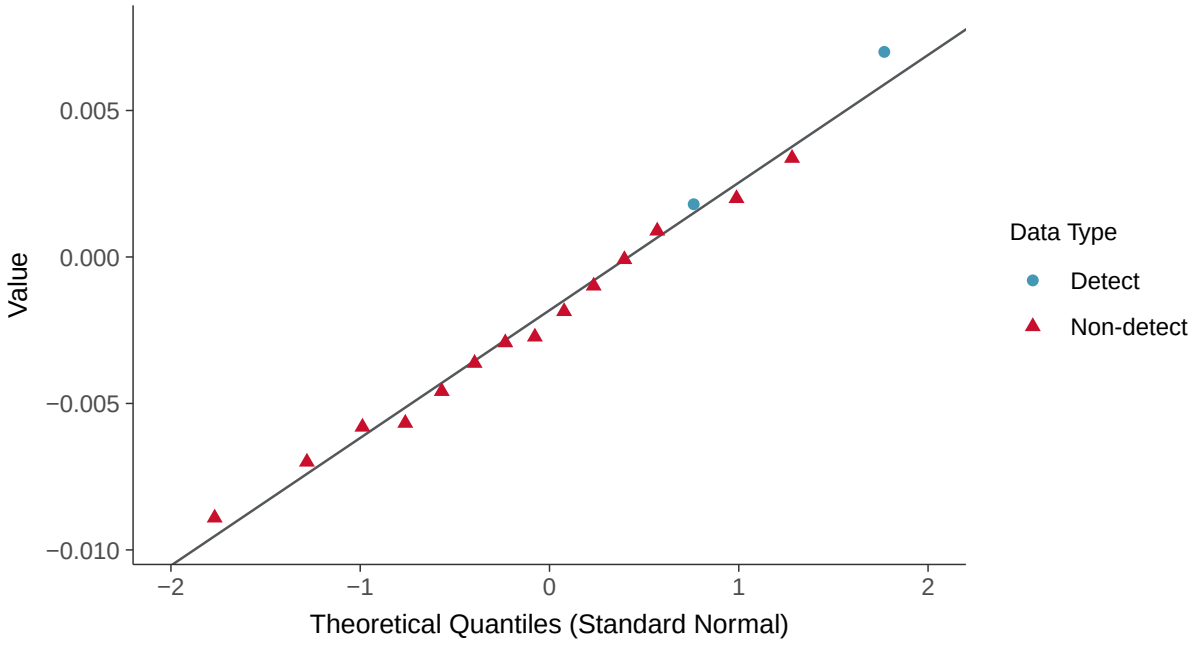
Boxplot by Season

Zinc, MW-8 (mg/l)



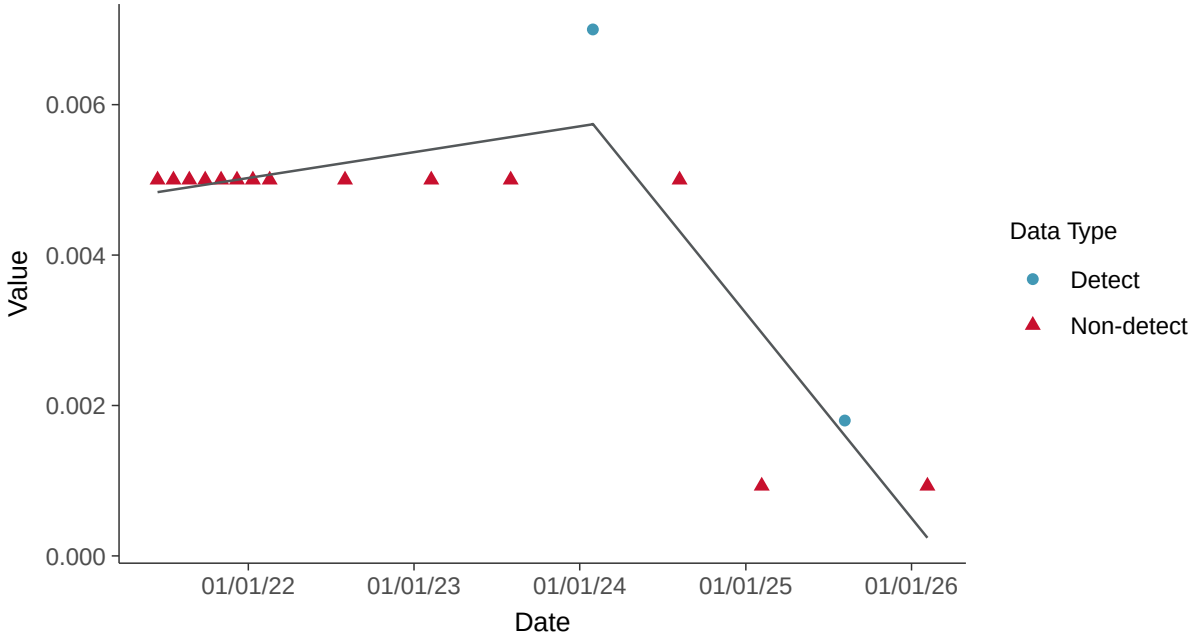
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-8 (mg/l)



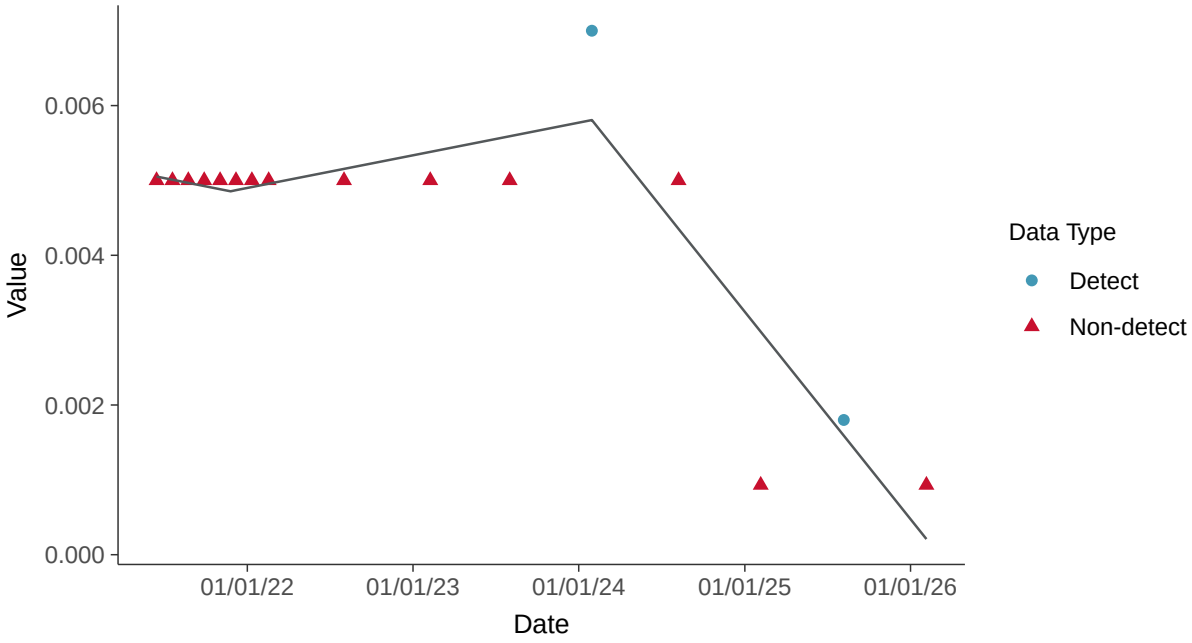
Trend Regression: Piecewise Linear-Linear

Zinc, MW-8 (mg/l)



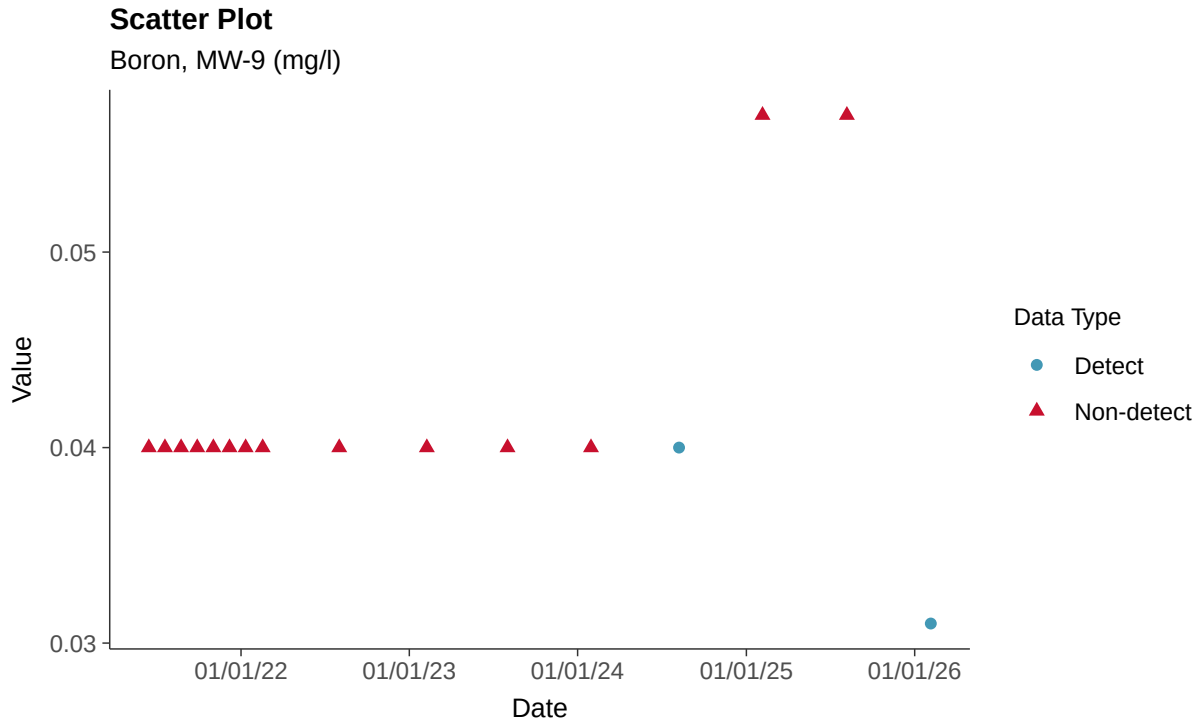
Trend Regression: Piecewise Linear-Linear-Linear

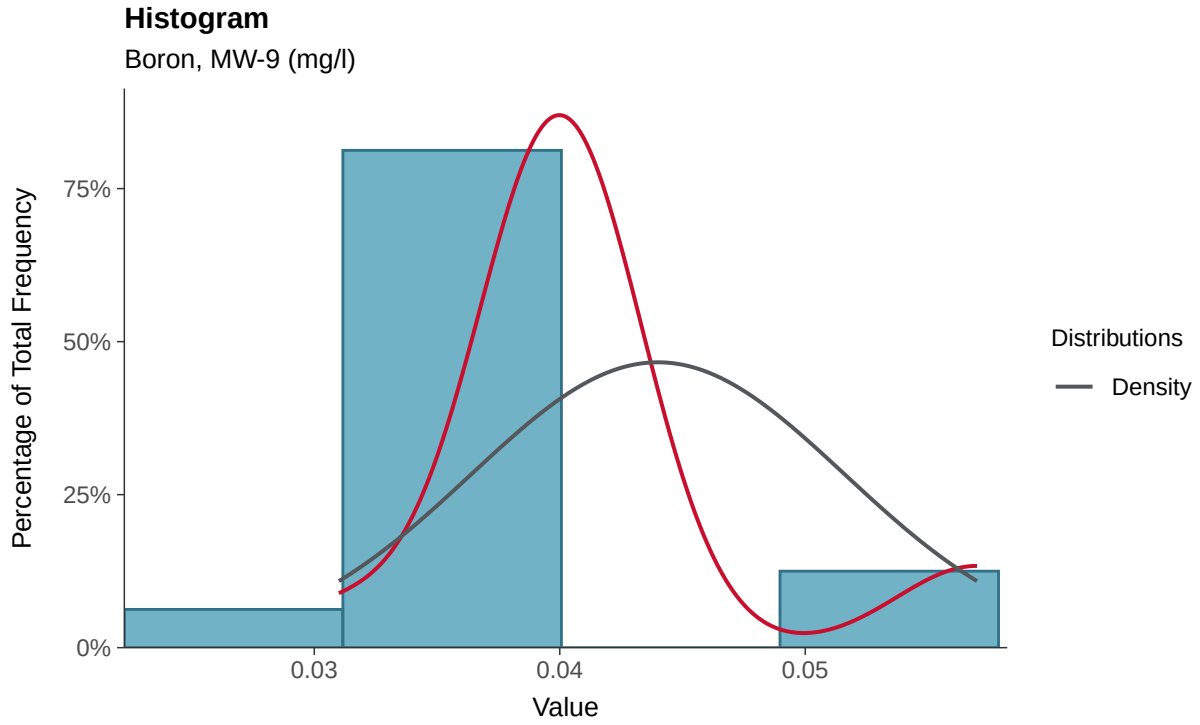
Zinc, MW-8 (mg/l)



Appendix III: Boron, MW-9

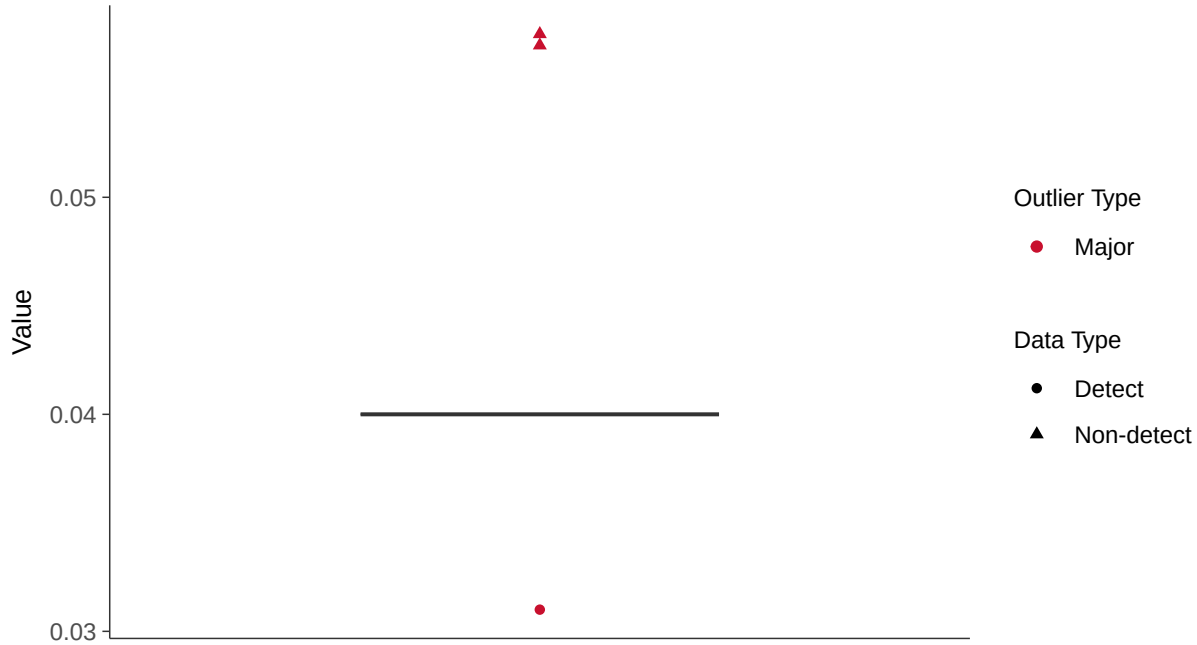
ID: 18_2_105





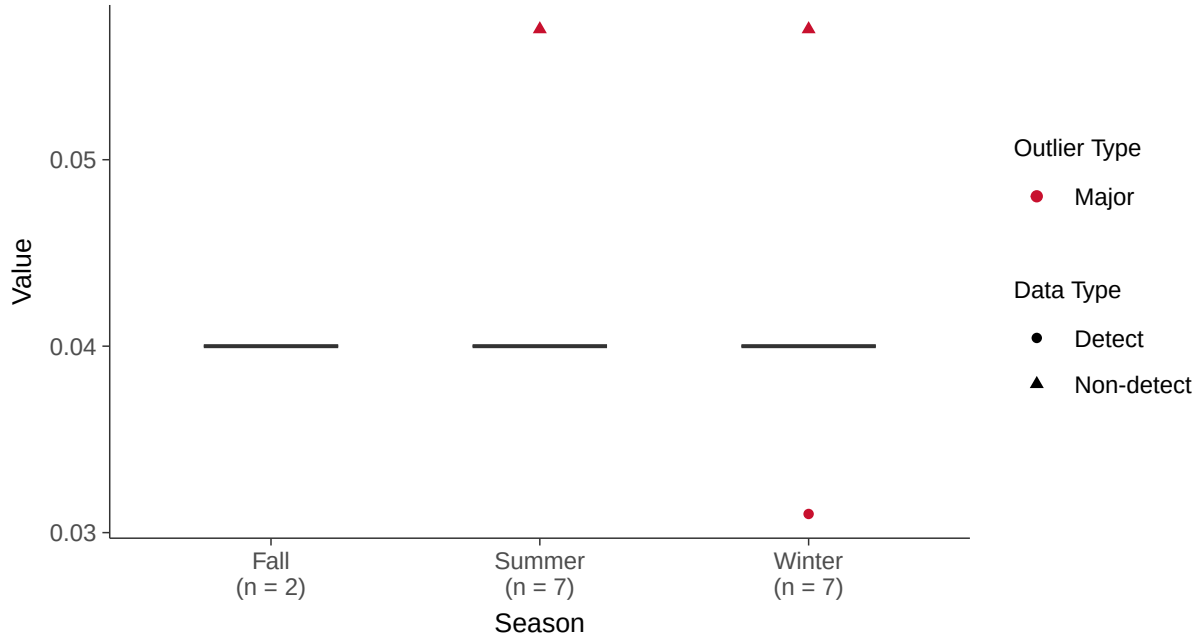
Boxplot

Boron, MW-9 (mg/l)



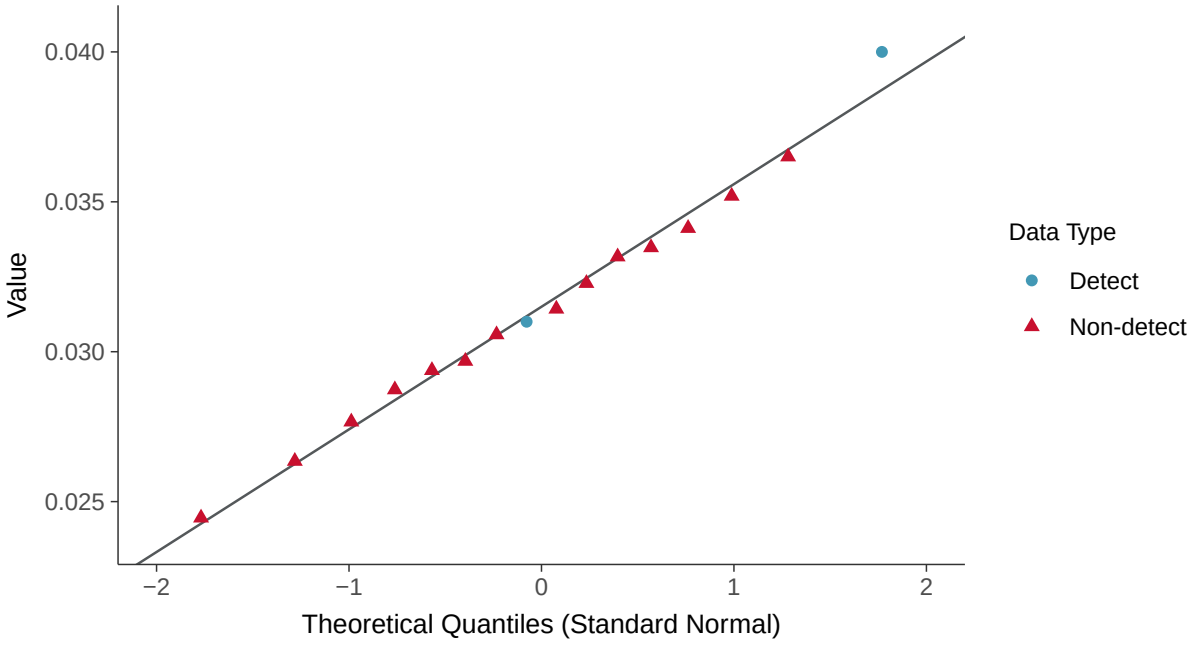
Boxplot by Season

Boron, MW-9 (mg/l)



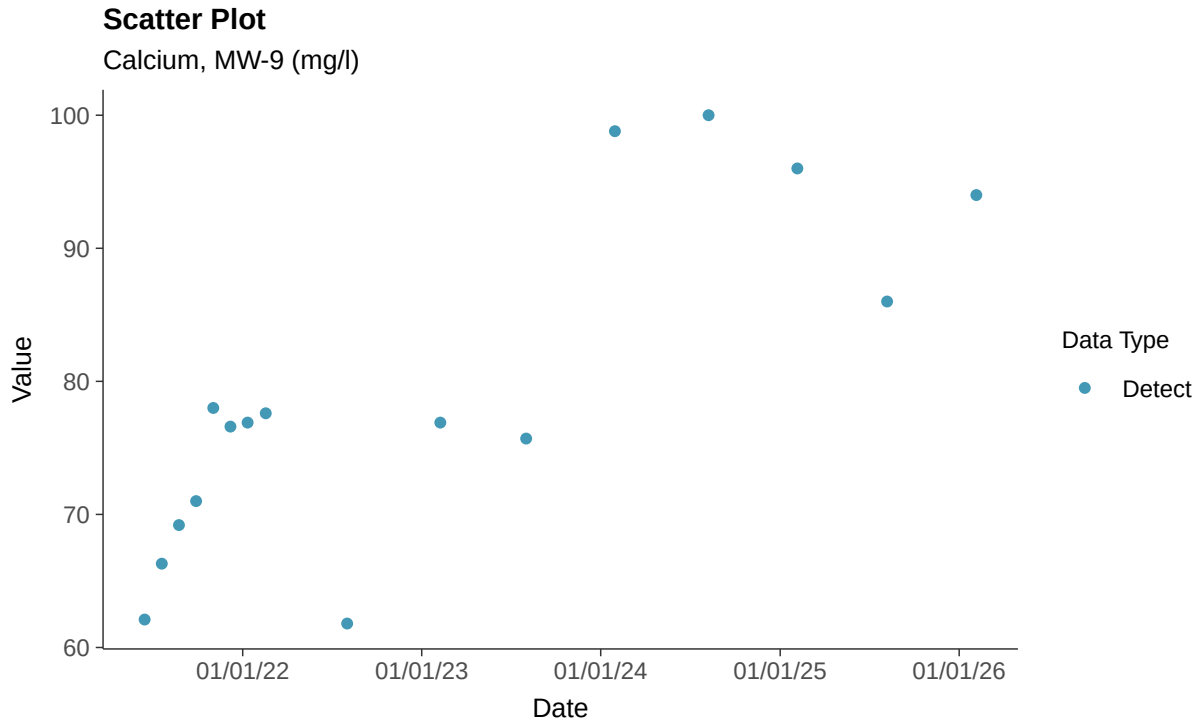
Normal Q-Q plot using ROS Imputed Estimates

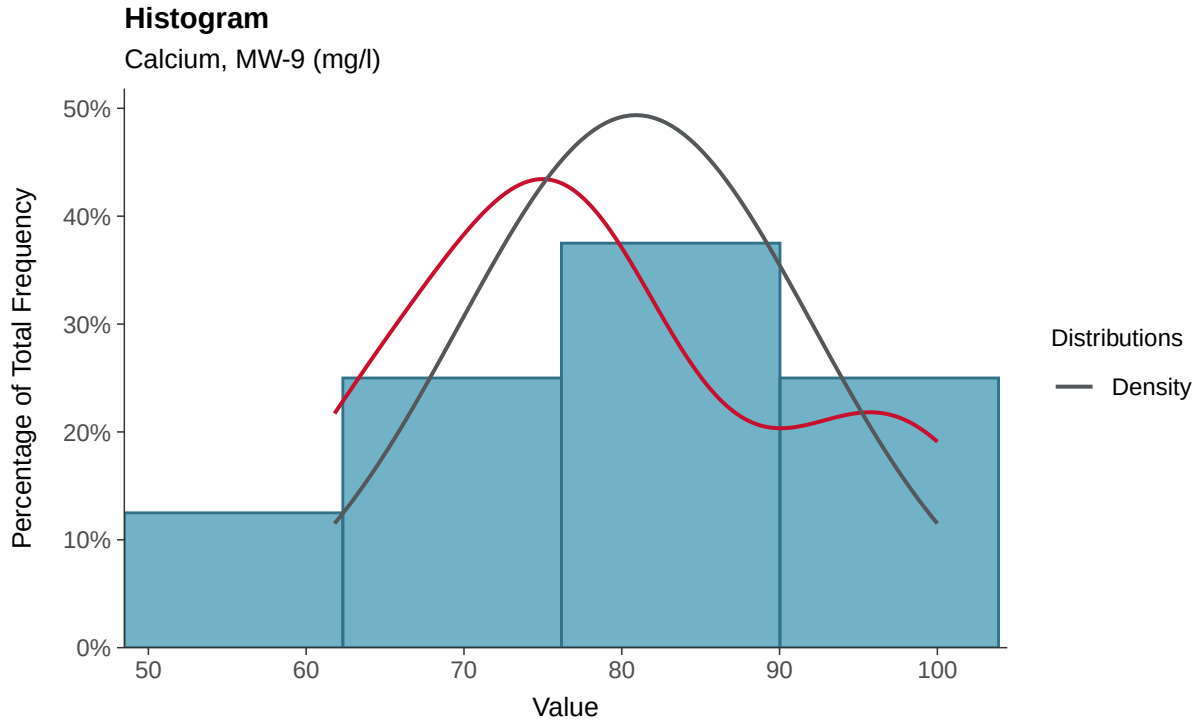
Boron, MW-9 (mg/l)



Appendix III: Calcium, MW-9

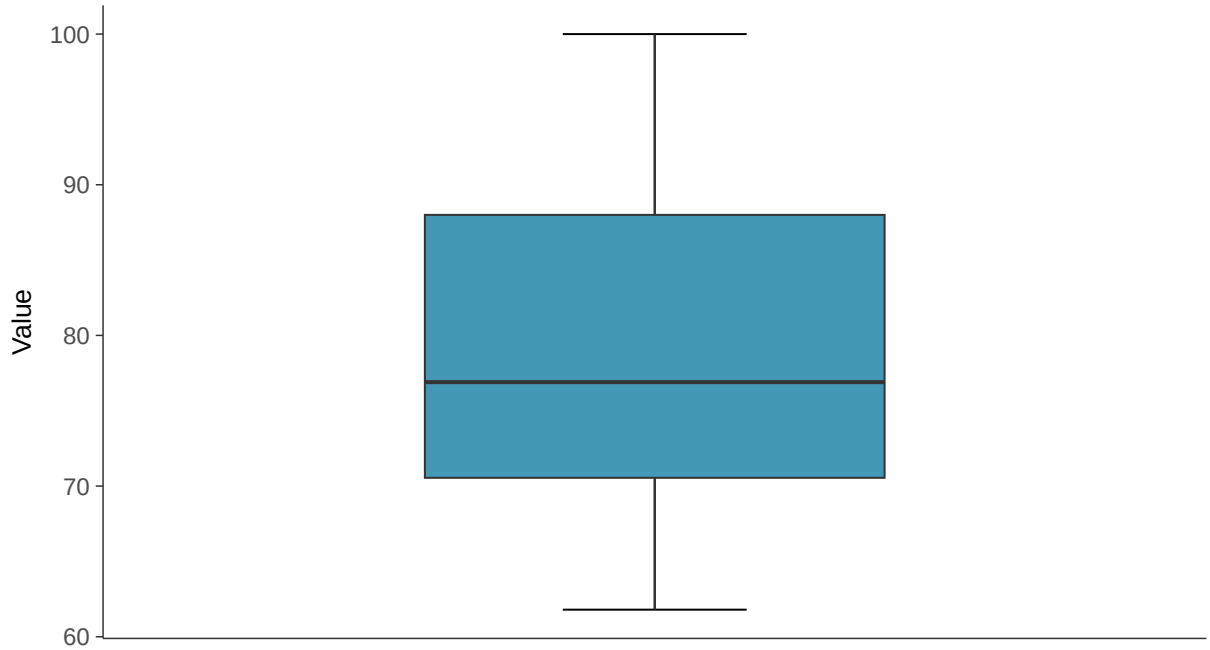
ID: 18_2_107





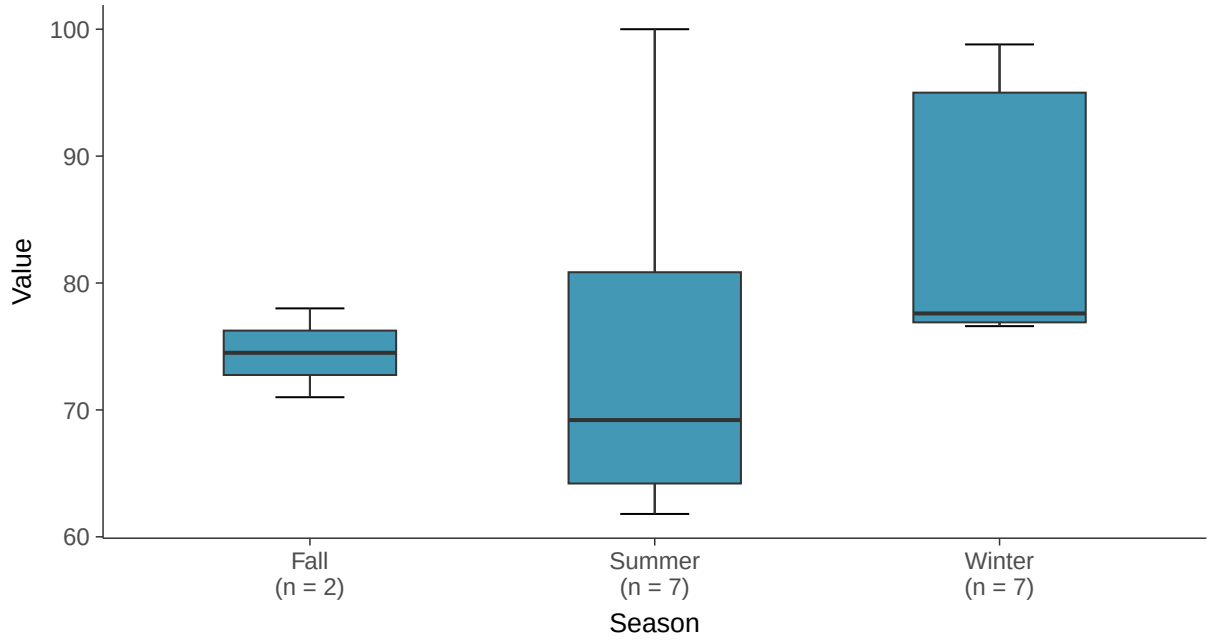
Boxplot

Calcium, MW-9 (mg/l)



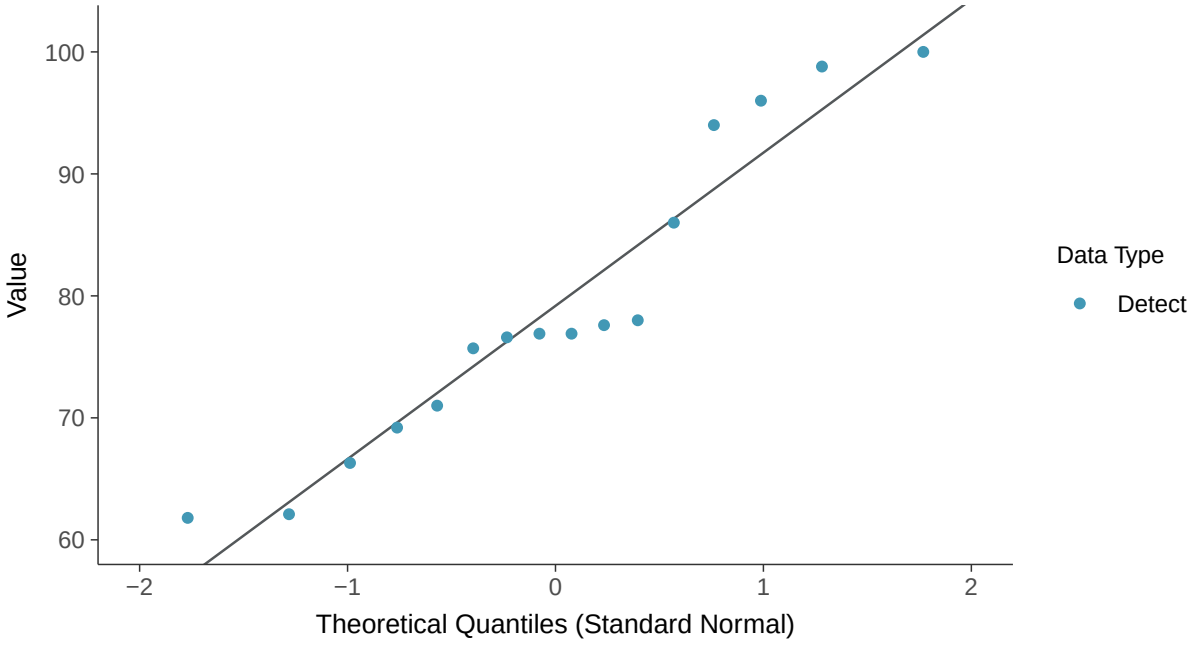
Boxplot by Season

Calcium, MW-9 (mg/l)



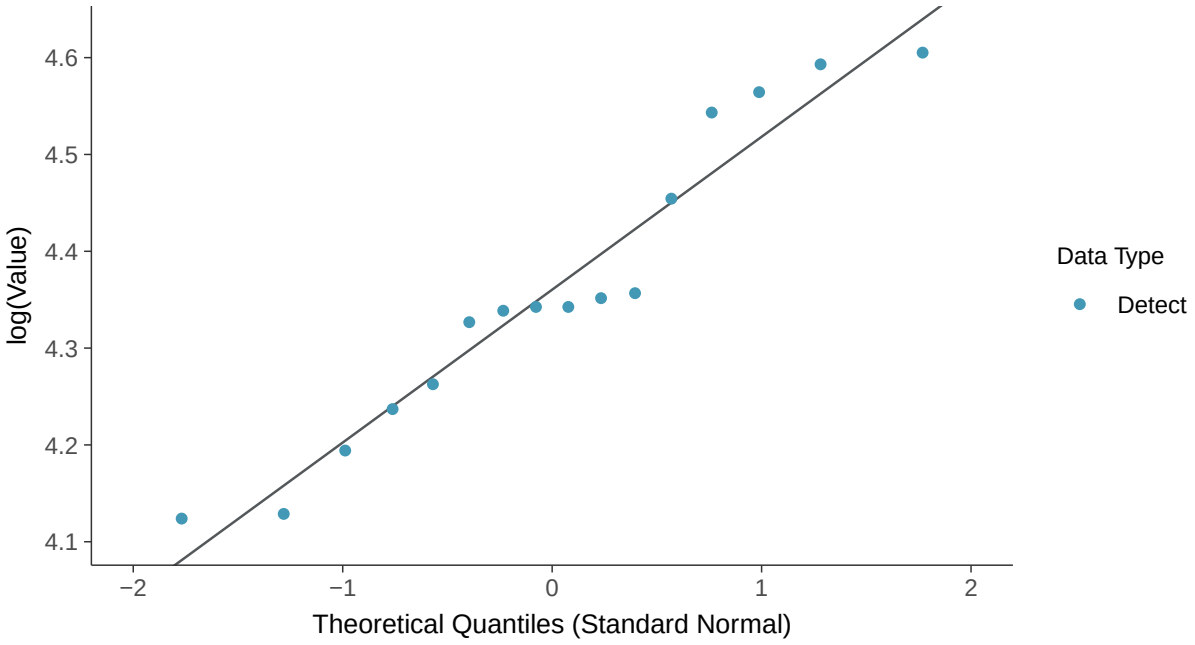
Normal Q-Q plot

Calcium, MW-9 (mg/l)



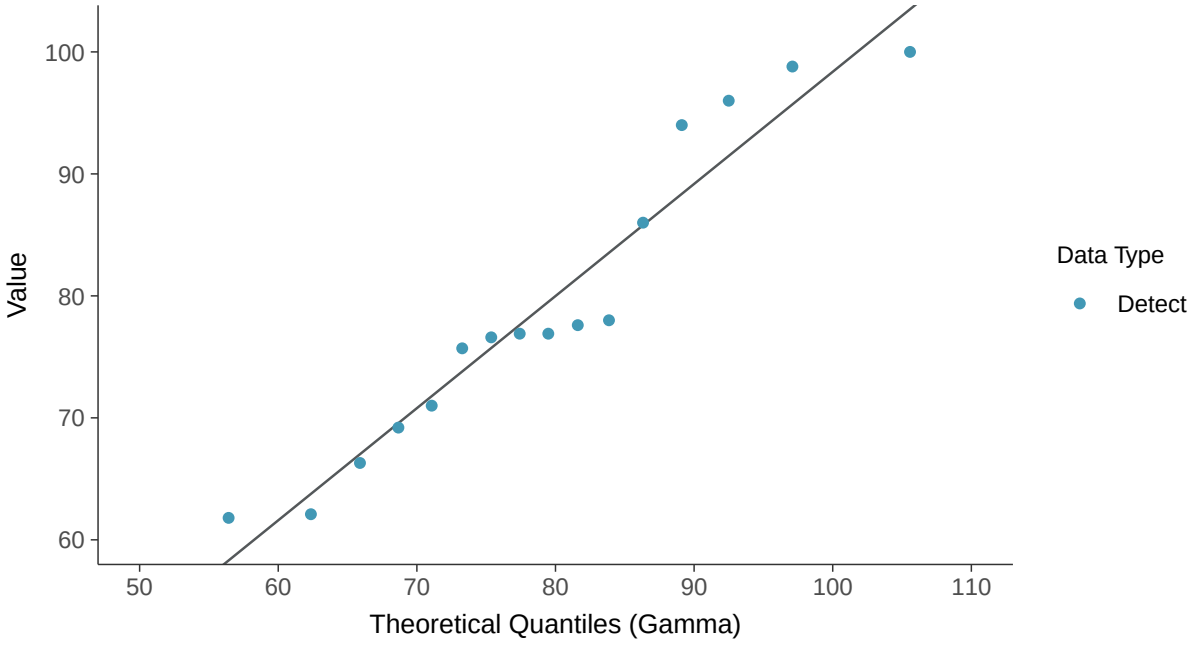
Lognormal Q-Q plot

Calcium, MW-9 (mg/l)



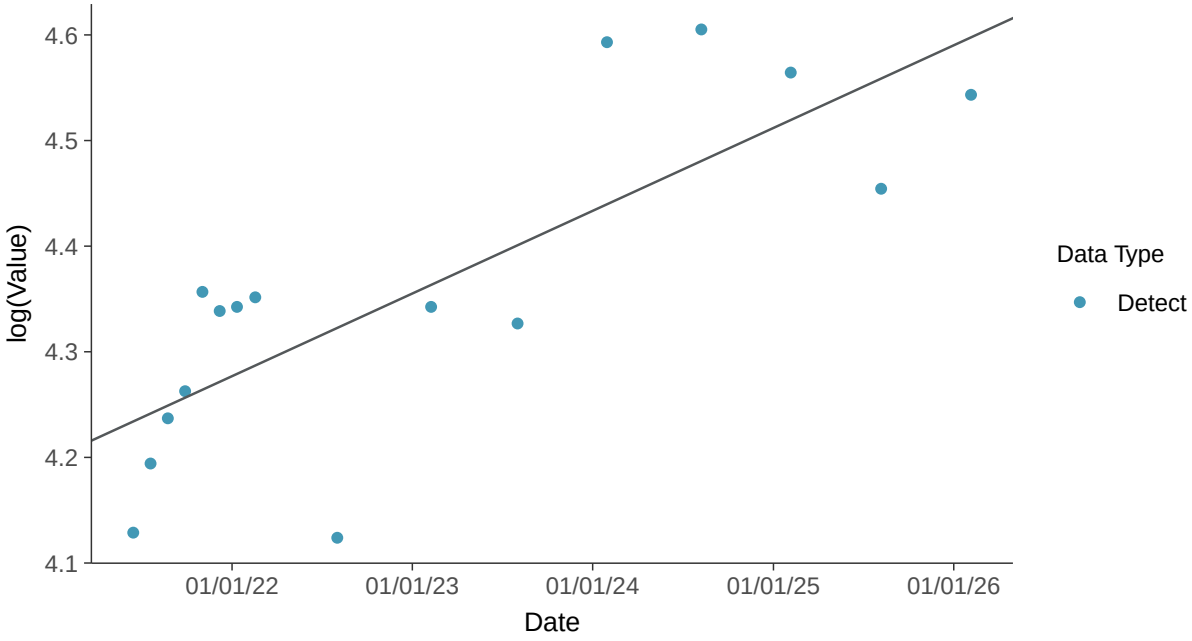
Gamma Q-Q plot

Calcium, MW-9 (mg/l)



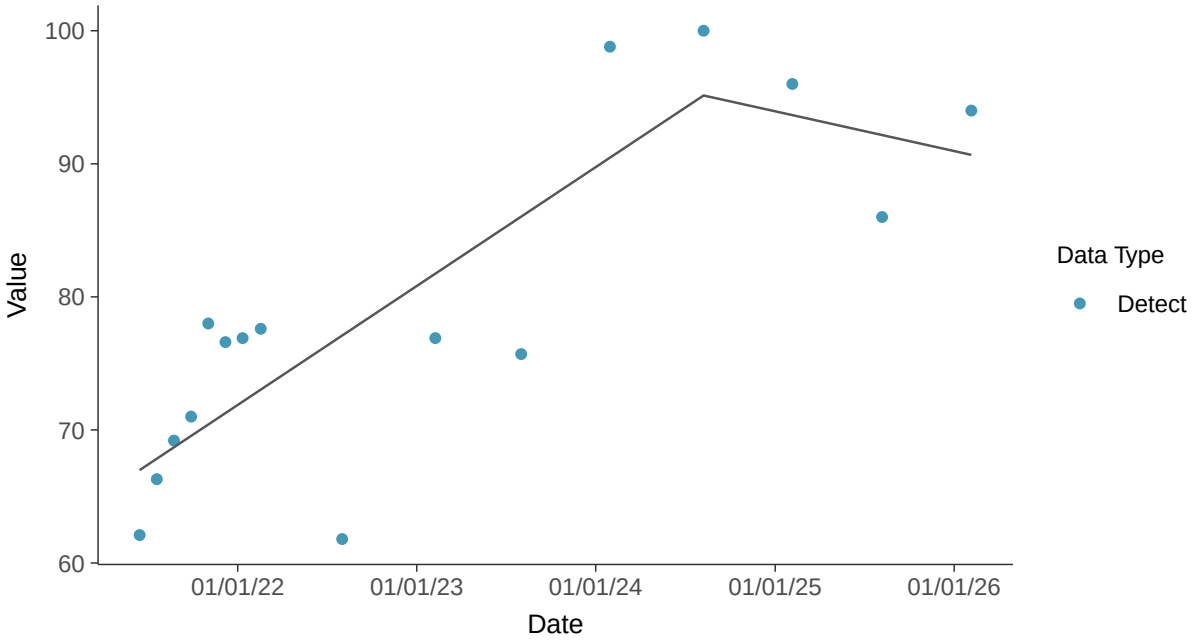
Trend Regression: Lognormal MLE

Calcium, MW-9 (mg/l)



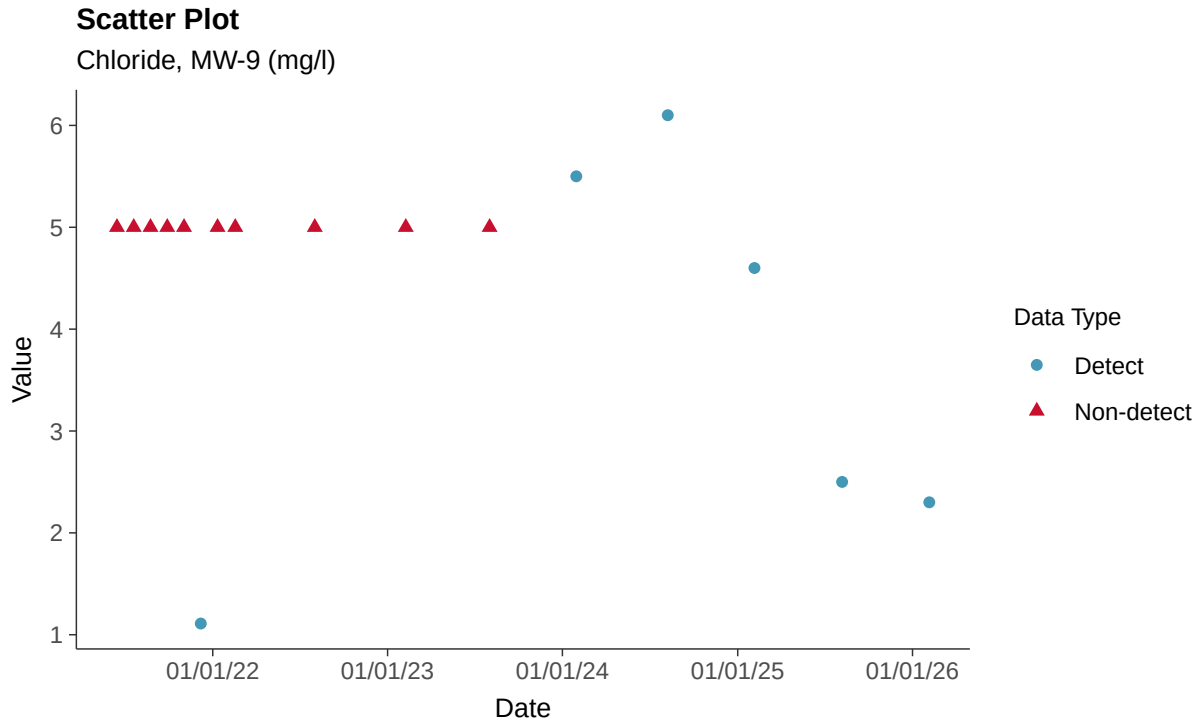
Trend Regression: Piecewise Linear-Linear

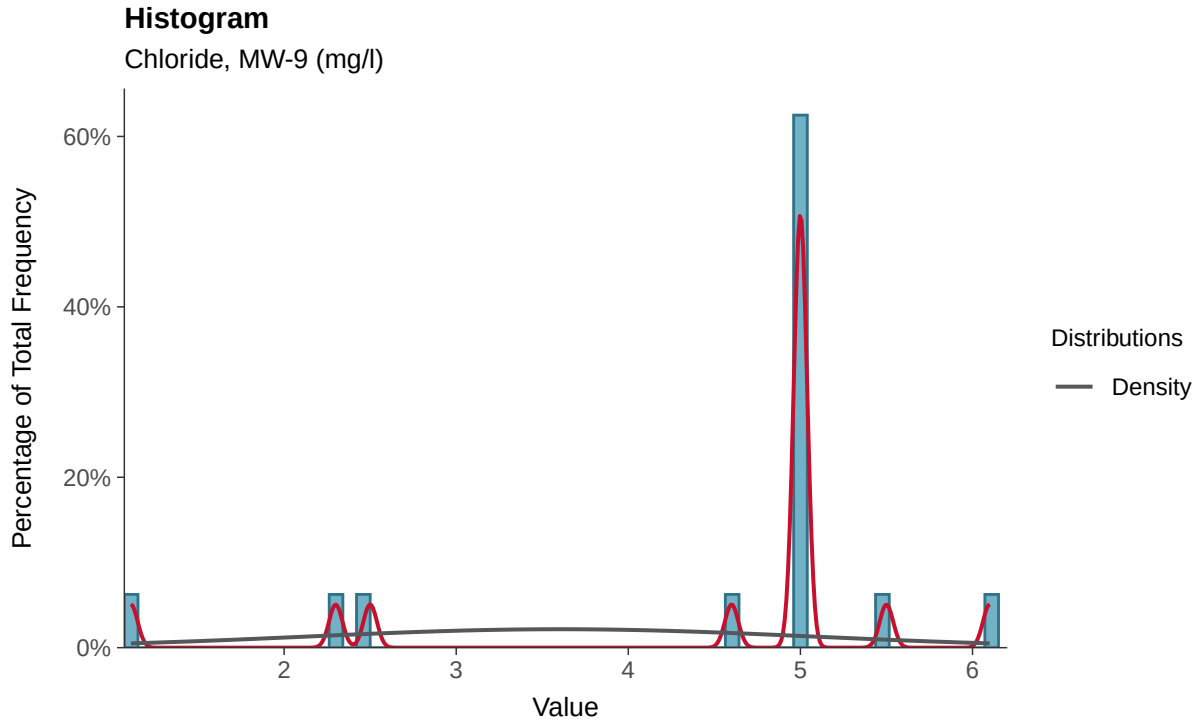
Calcium, MW-9 (mg/l)



Appendix III: Chloride, MW-9

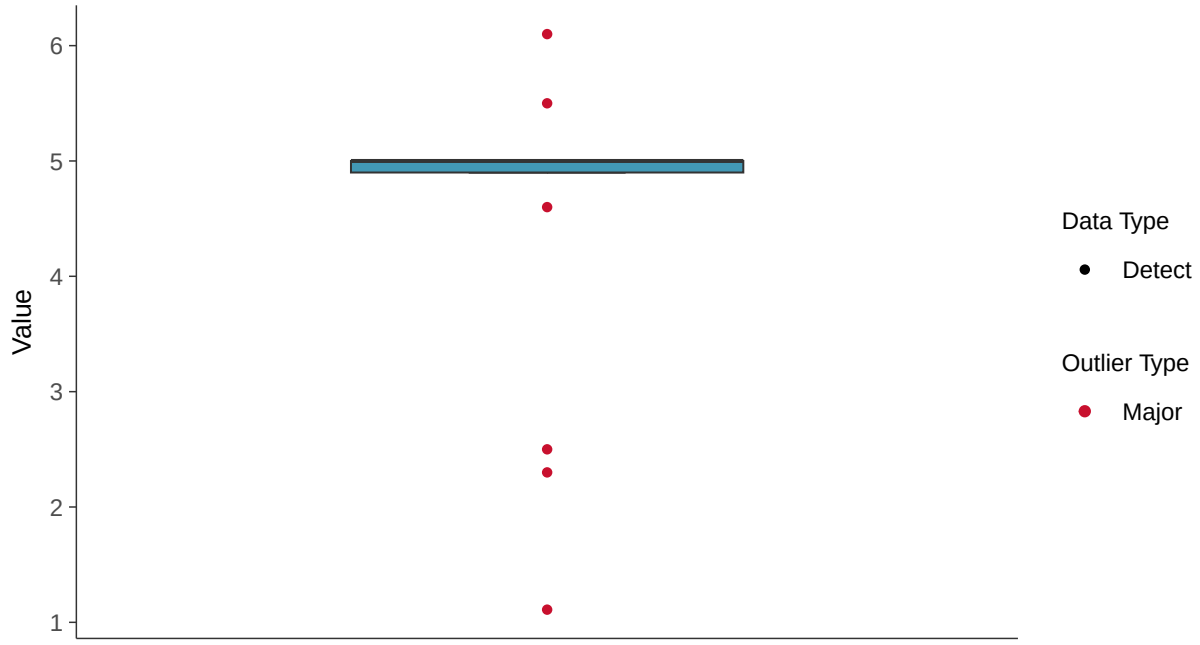
ID: 18_2_108





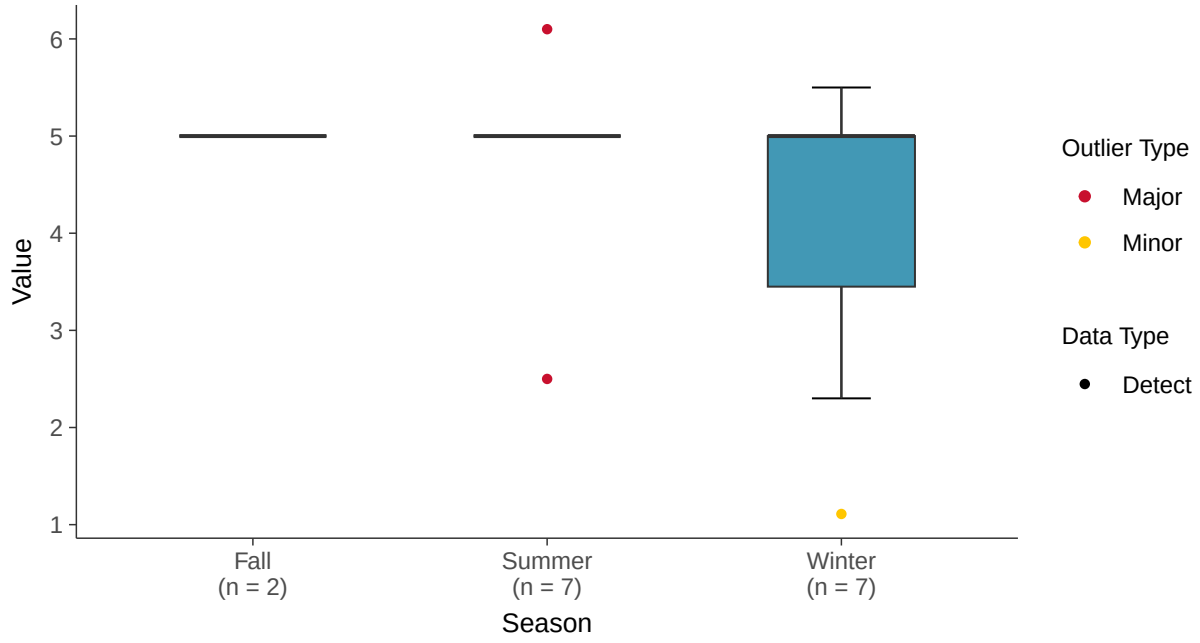
Boxplot

Chloride, MW-9 (mg/l)



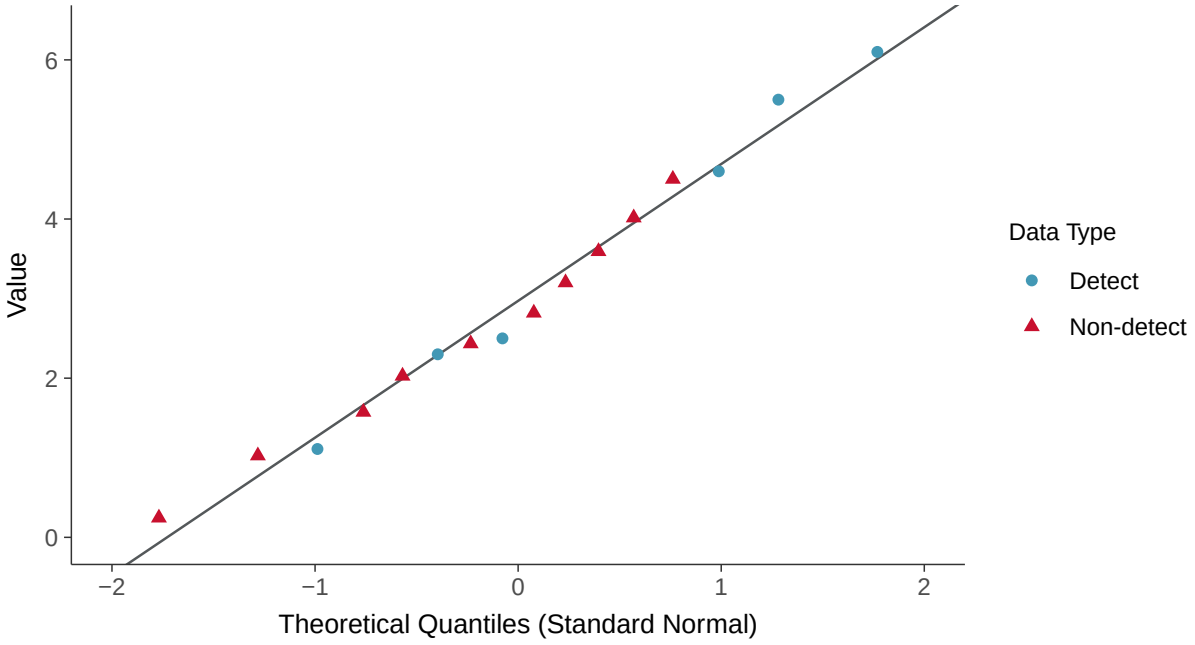
Boxplot by Season

Chloride, MW-9 (mg/l)



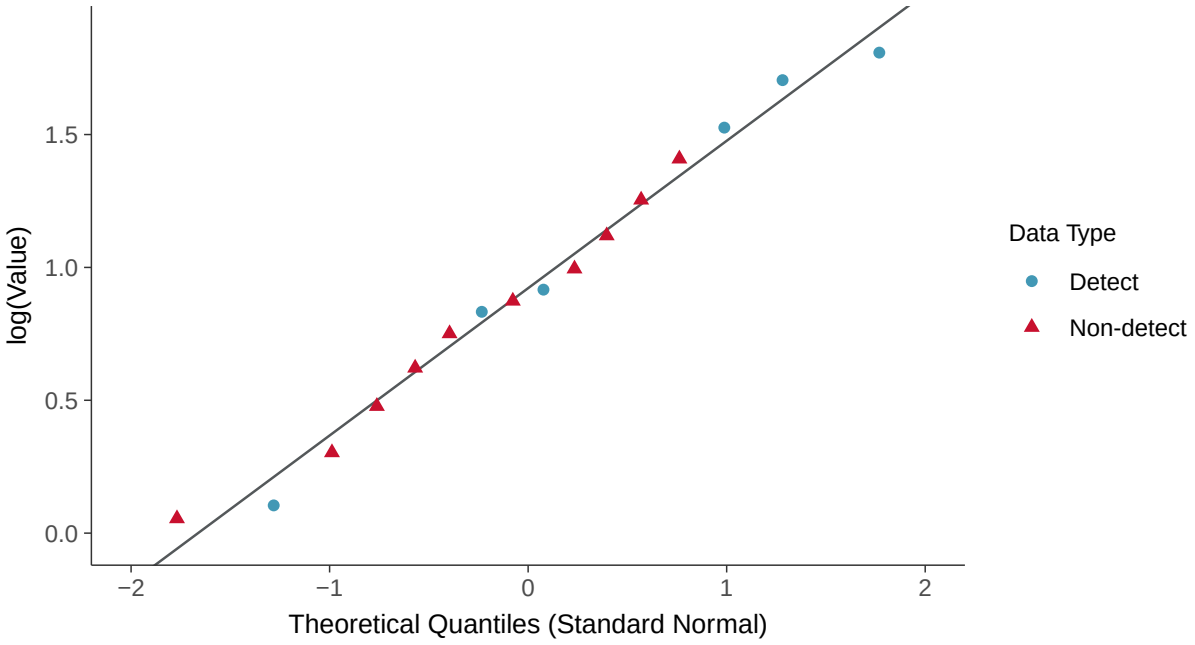
Normal Q-Q plot using ROS Imputed Estimates

Chloride, MW-9 (mg/l)



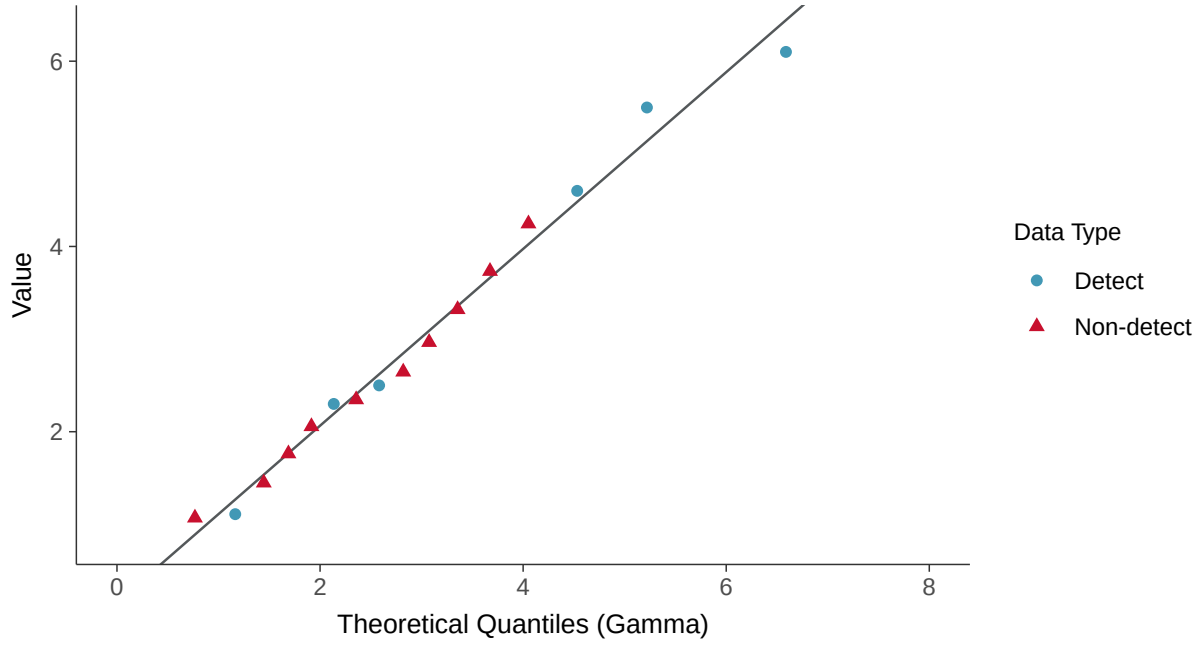
Lognormal Q-Q plot using ROS Imputed Estimates

Chloride, MW-9 (mg/l)



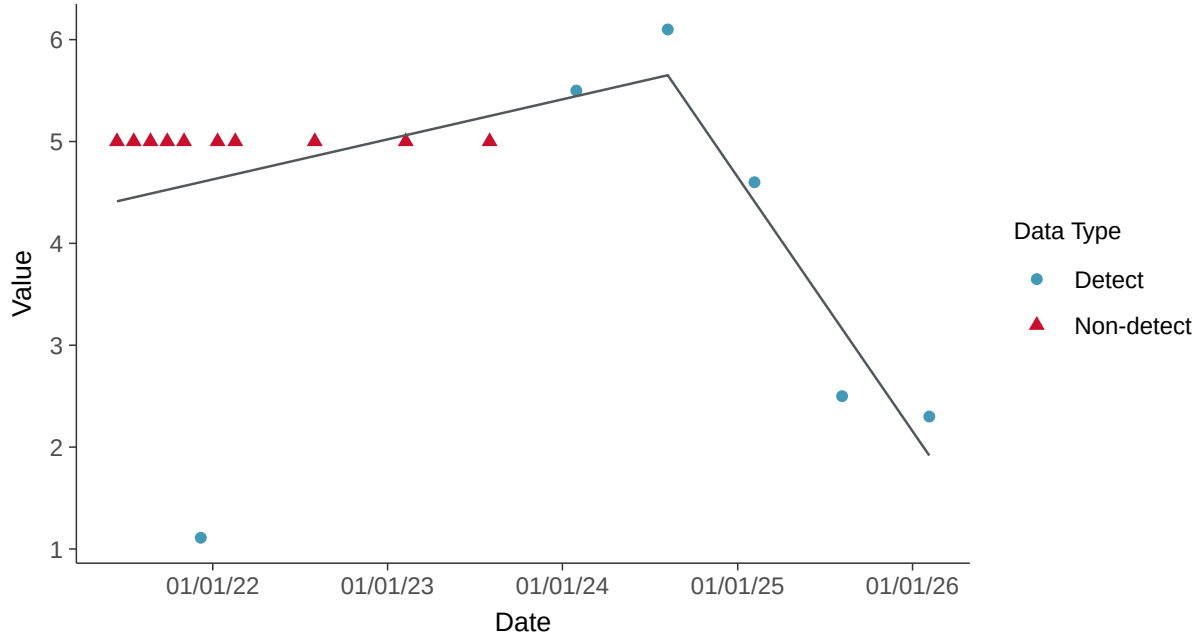
Gamma Q-Q plot using ROS Imputed Estimates

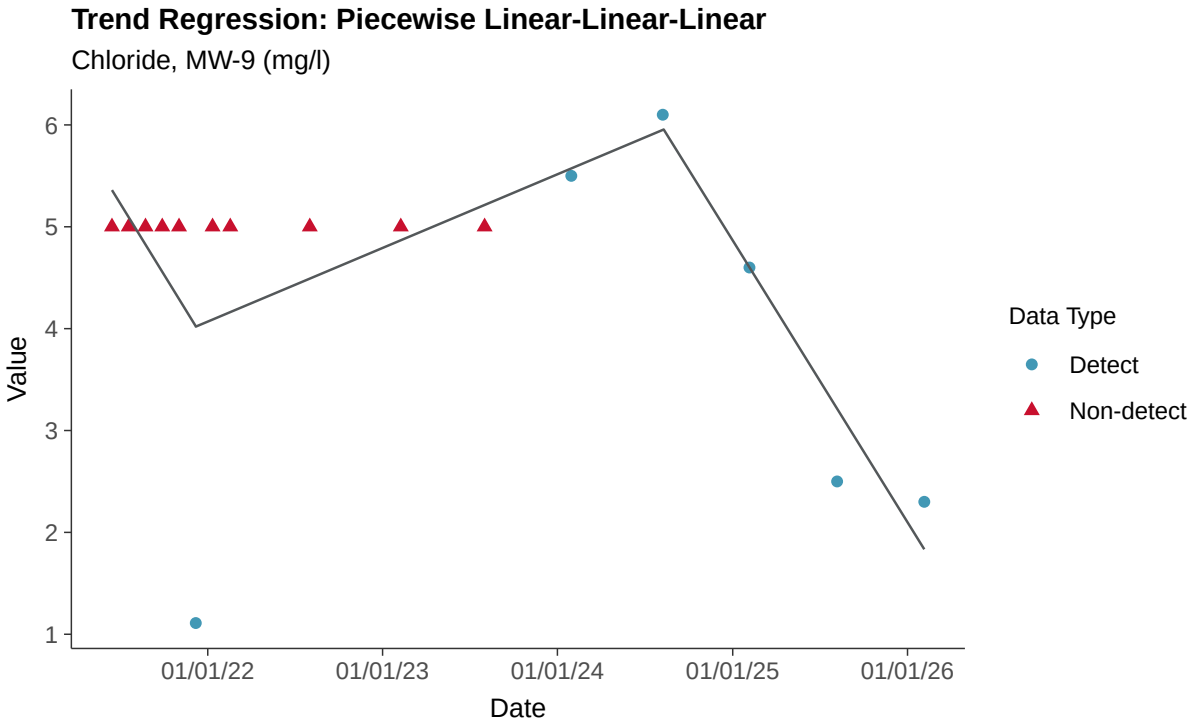
Chloride, MW-9 (mg/l)



Trend Regression: Piecewise Linear-Linear

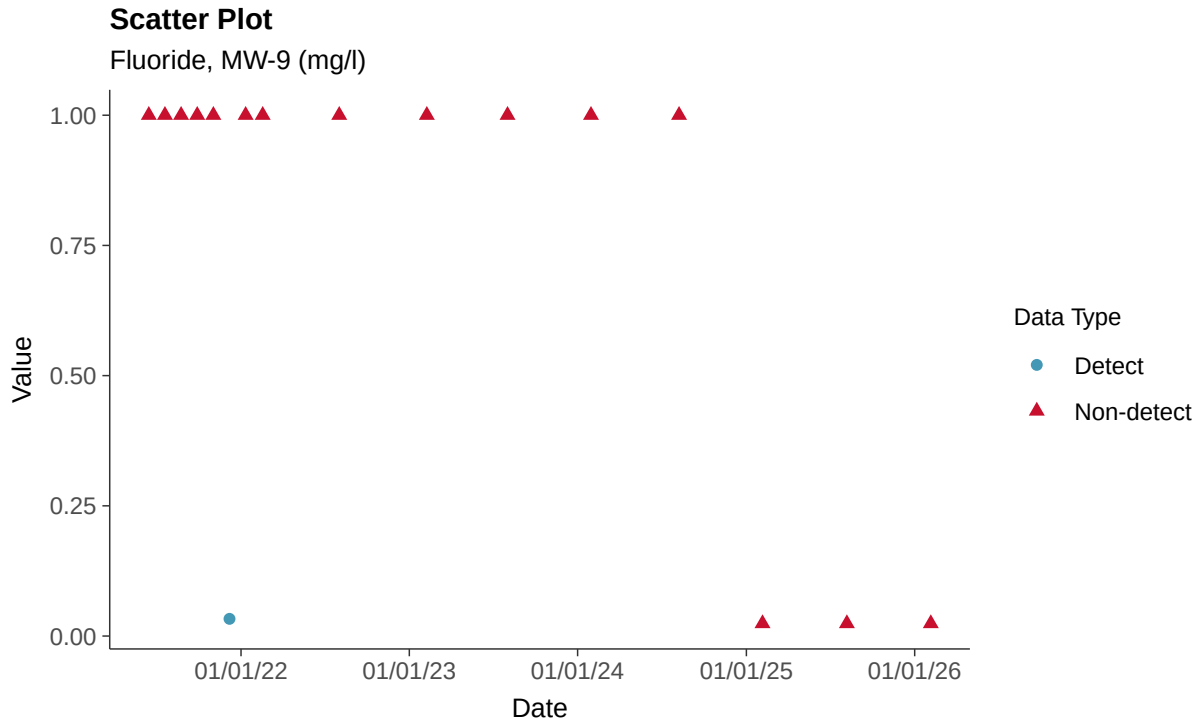
Chloride, MW-9 (mg/l)

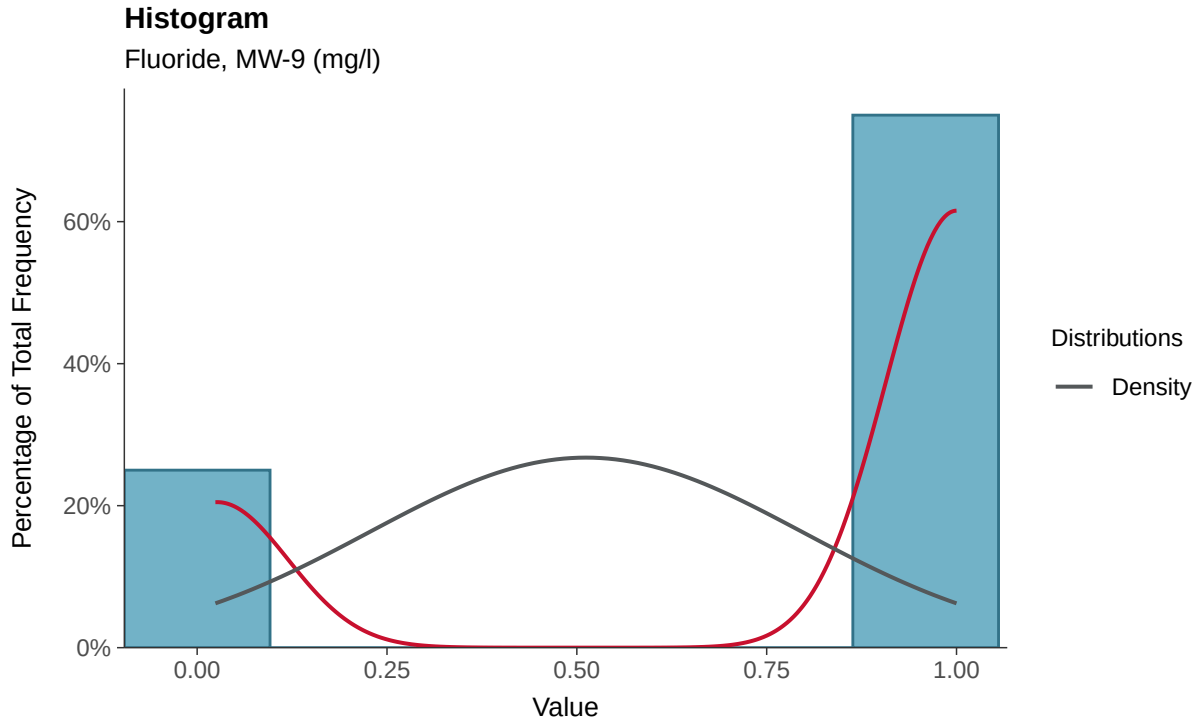



Trend Regression: Piecewise Linear-Linear-Linear
Chloride, MW-9 (mg/l)
Value
6
5
4
3
2
1
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: Fluoride, MW-9

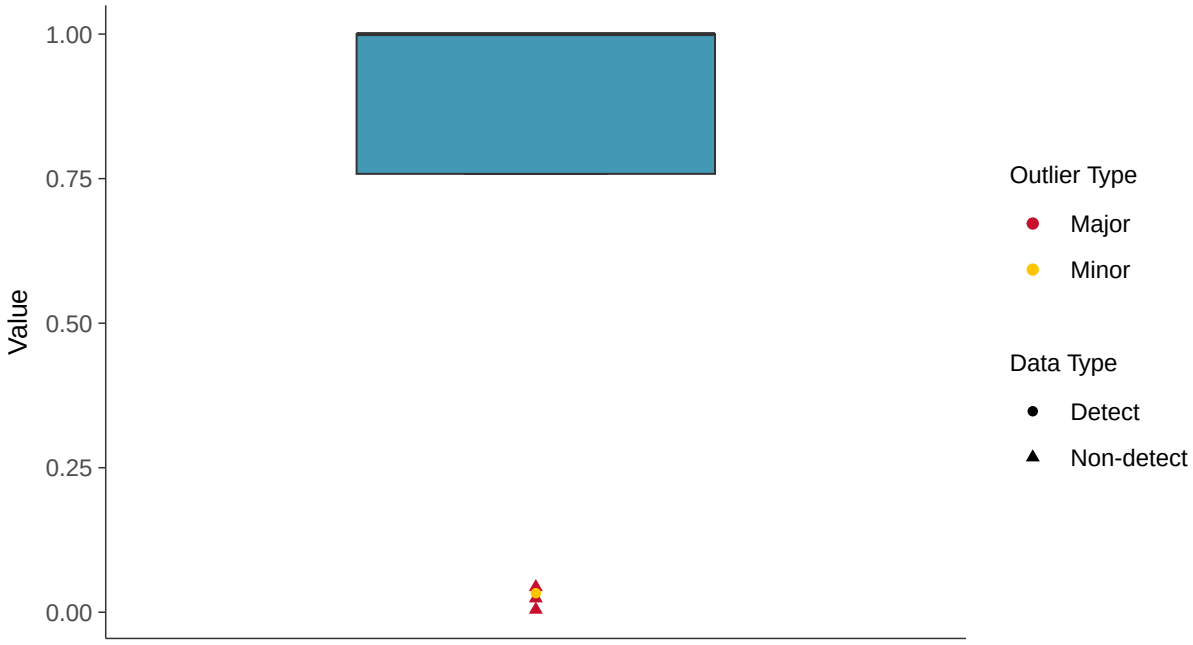
ID: 18_2_112





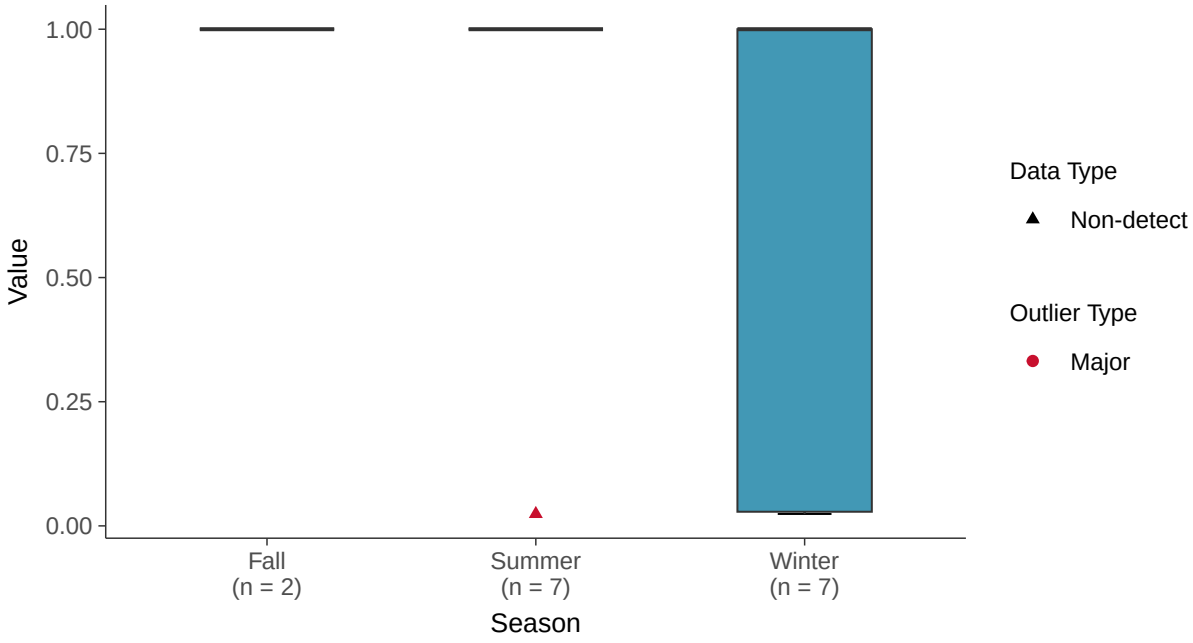
Boxplot

Fluoride, MW-9 (mg/l)



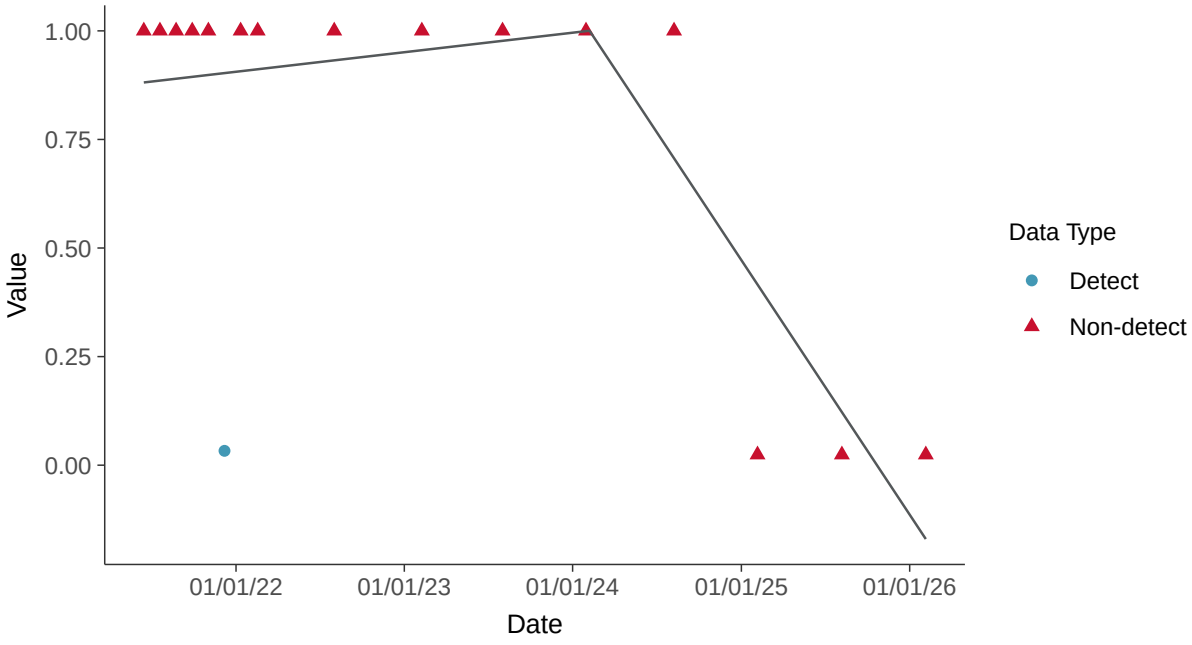
Boxplot by Season

Fluoride, MW-9 (mg/l)



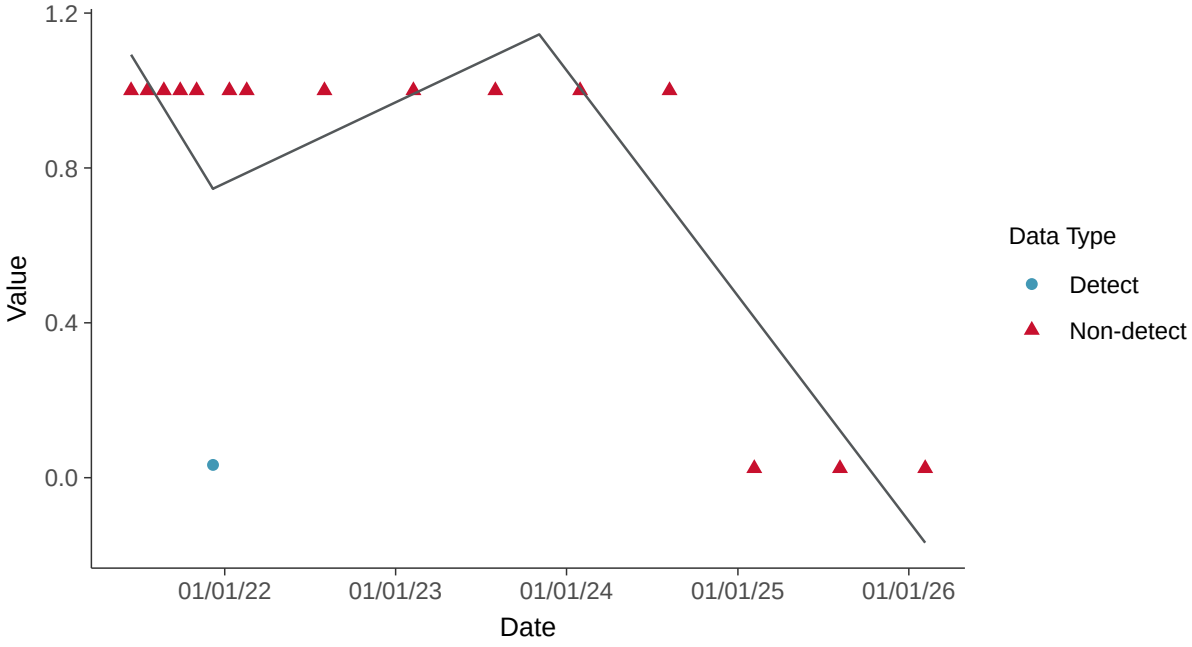
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-9 (mg/l)



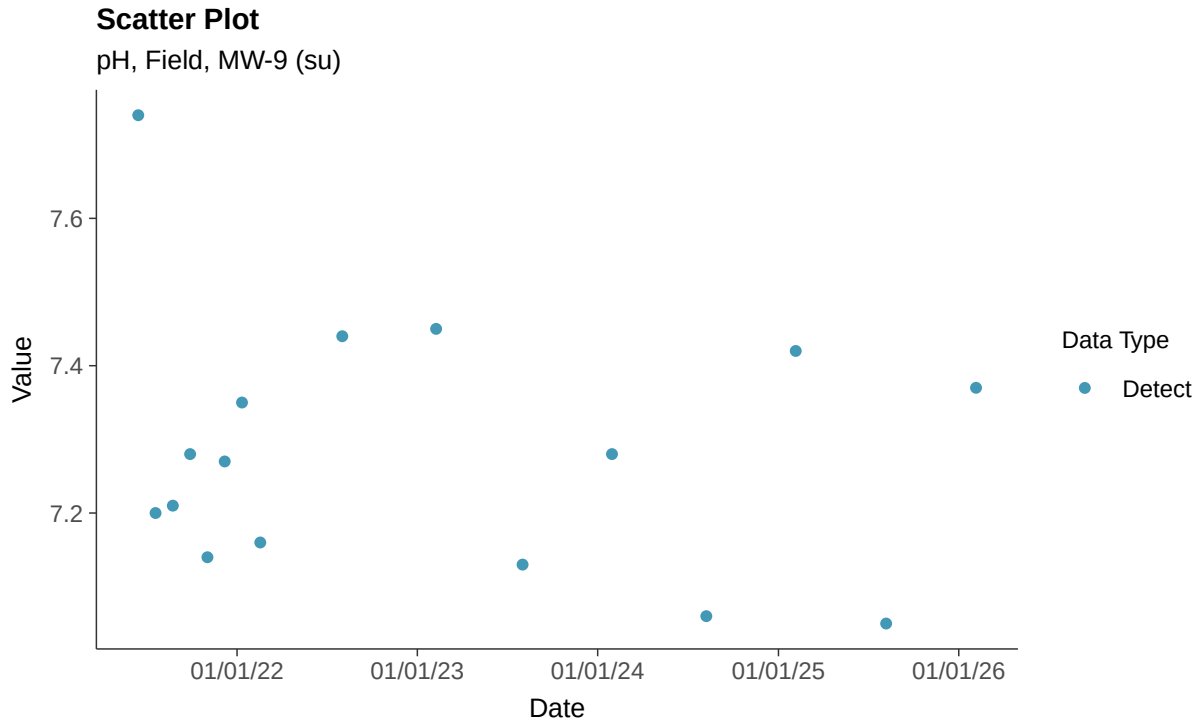
Trend Regression: Piecewise Linear-Linear-Linear

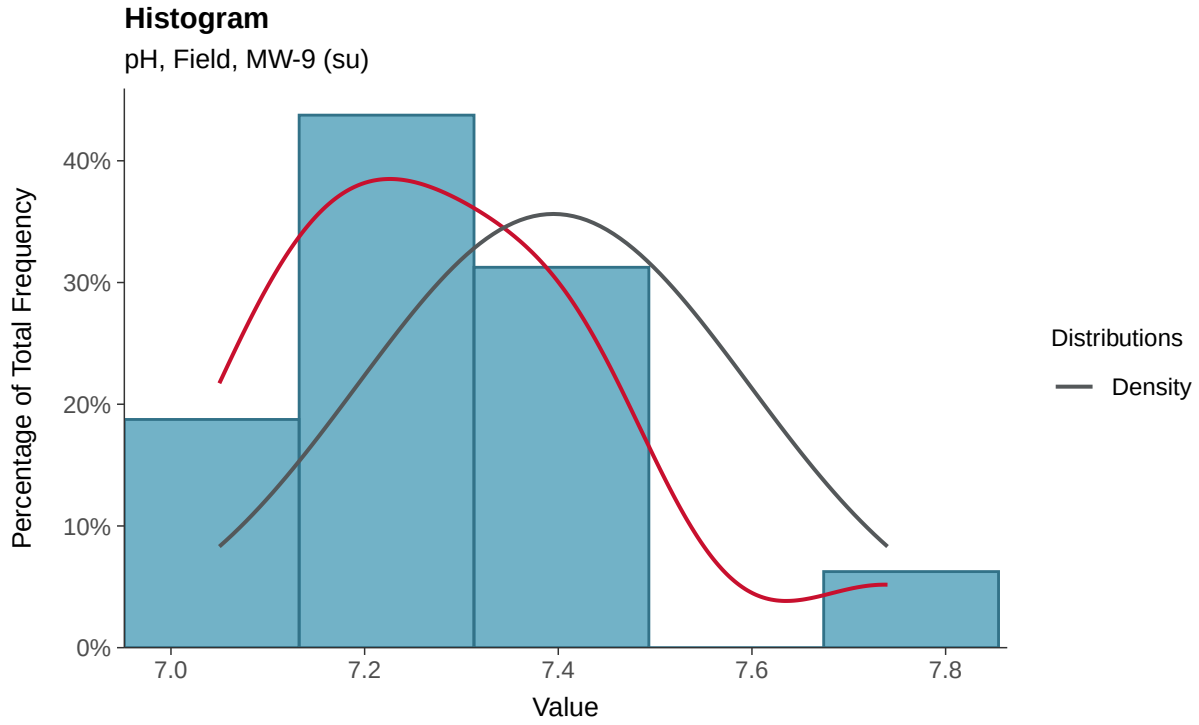
Fluoride, MW-9 (mg/l)



Appendix III: pH, Field, MW-9

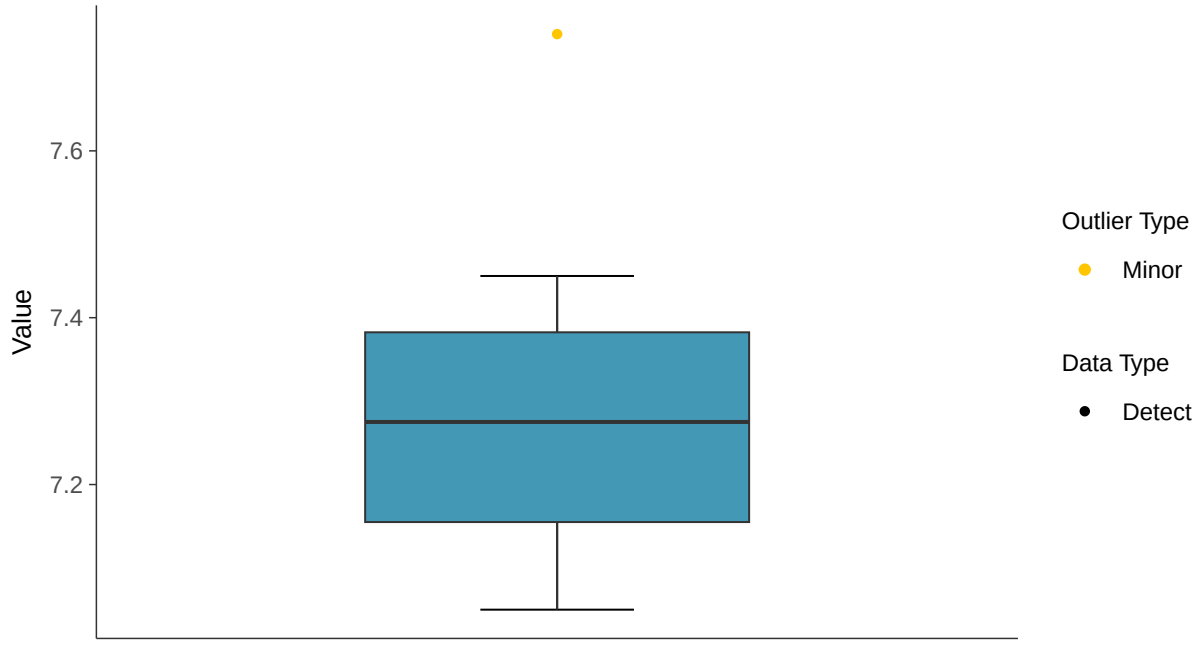
ID: 18_2_120





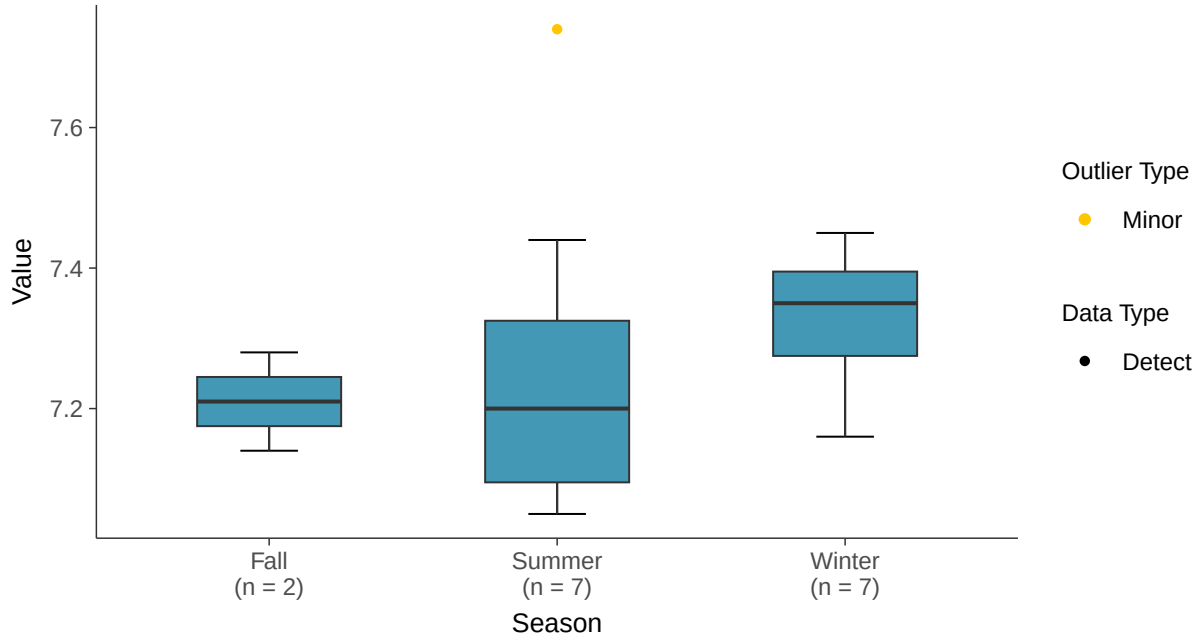
Boxplot

pH, Field, MW-9 (su)



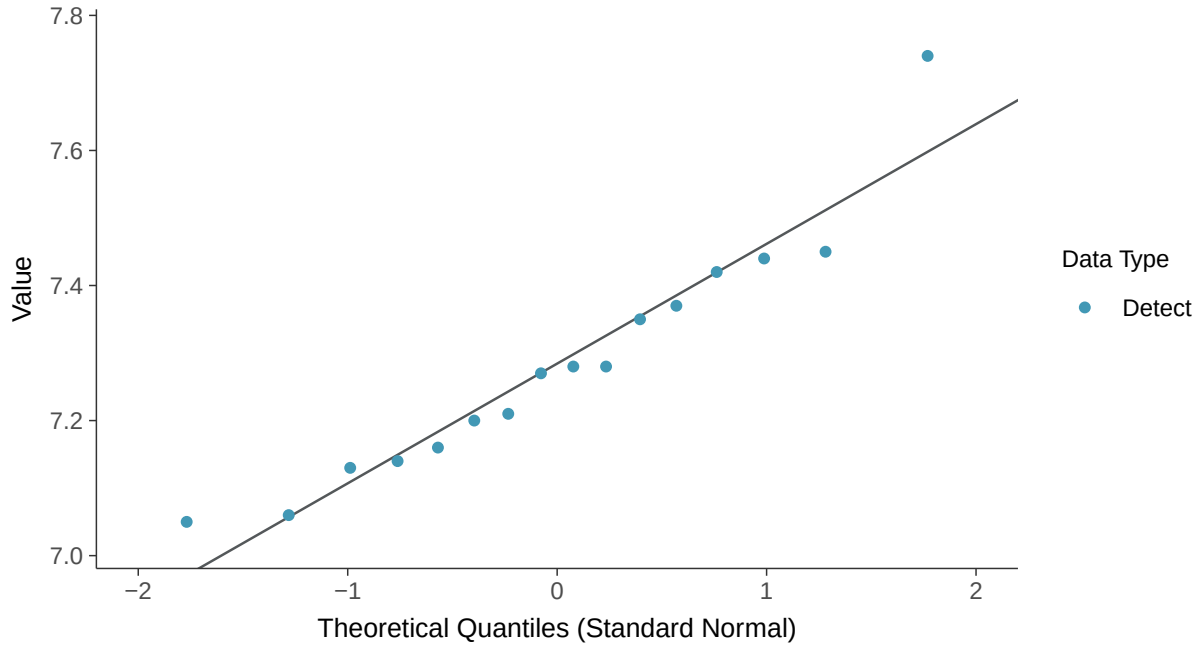
Boxplot by Season

pH, Field, MW-9 (su)



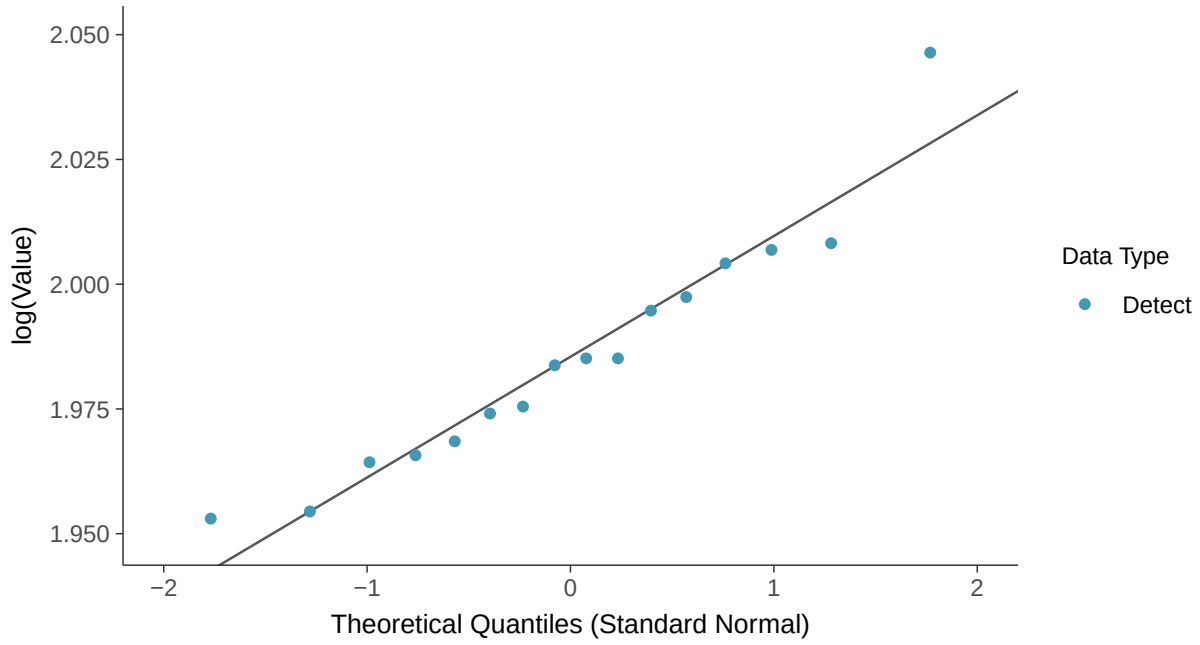
Normal Q-Q plot

pH, Field, MW-9 (su)



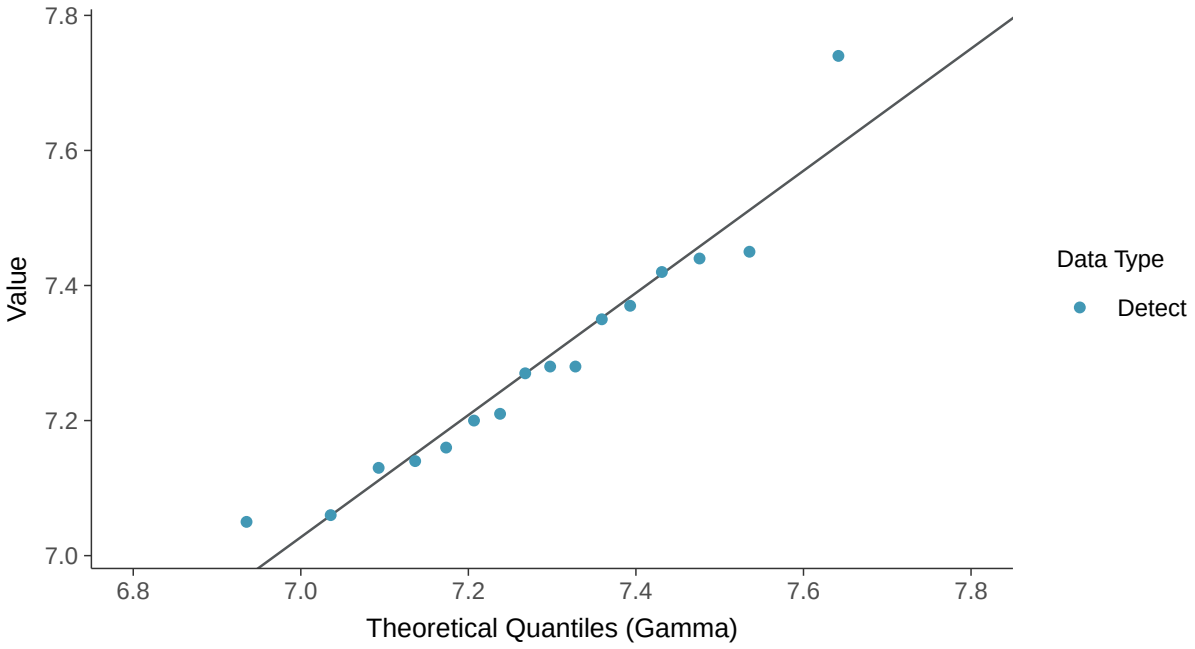
Lognormal Q-Q plot

pH, Field, MW-9 (su)



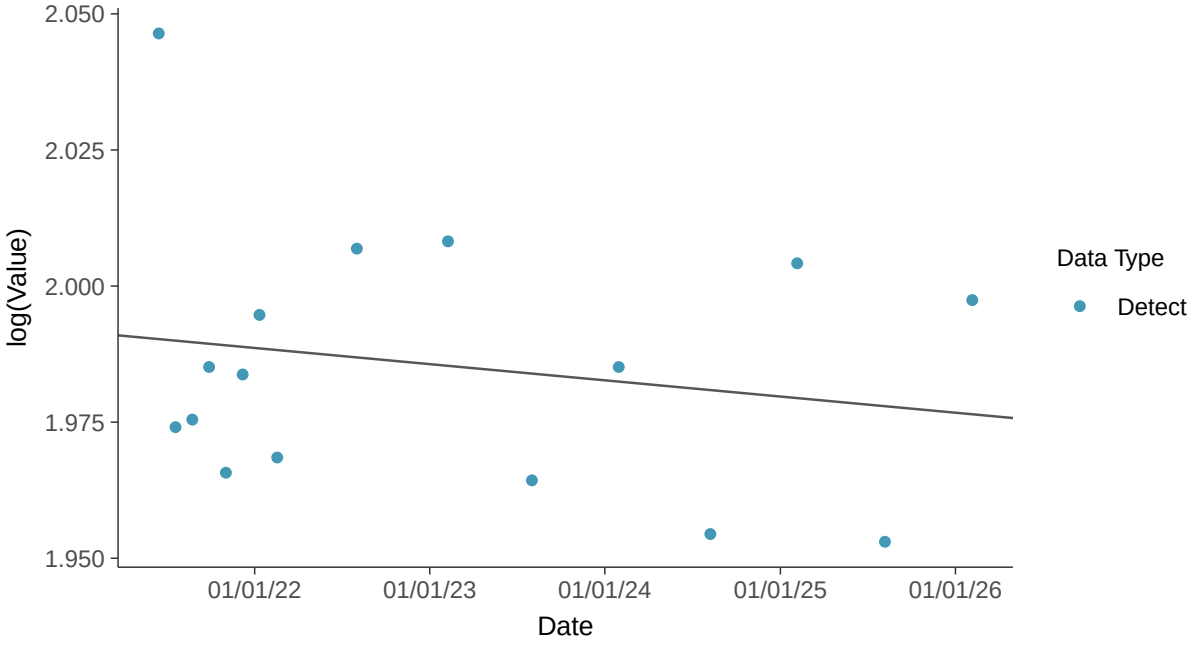
Gamma Q-Q plot

pH, Field, MW-9 (su)



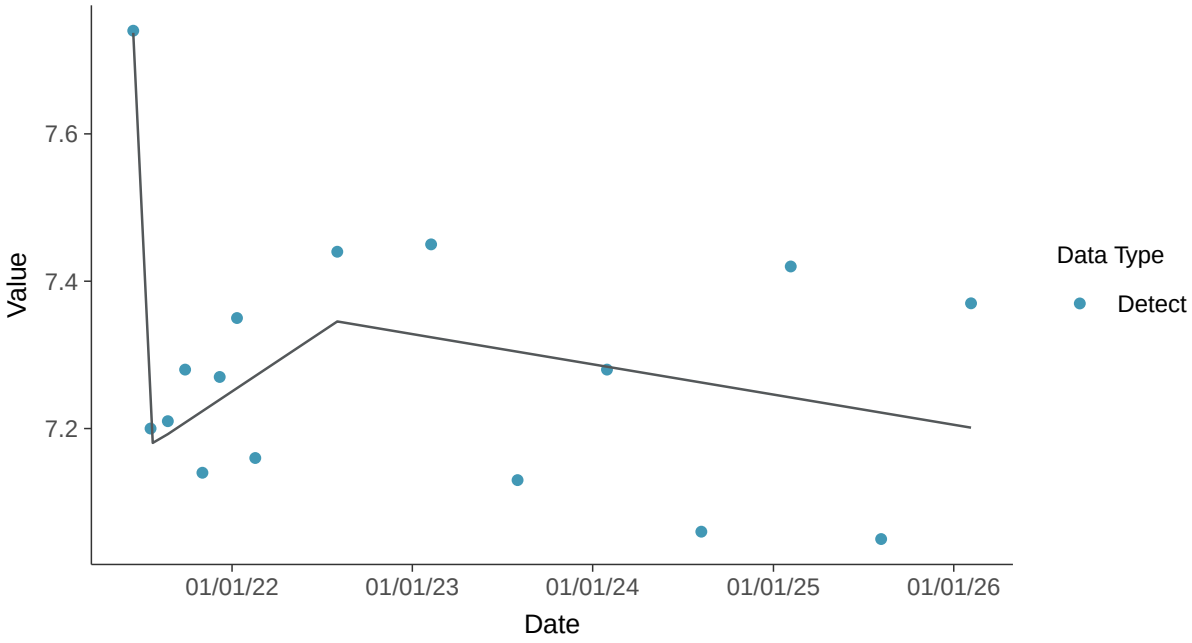
Trend Regression: Lognormal MLE

pH, Field, MW-9 (su)



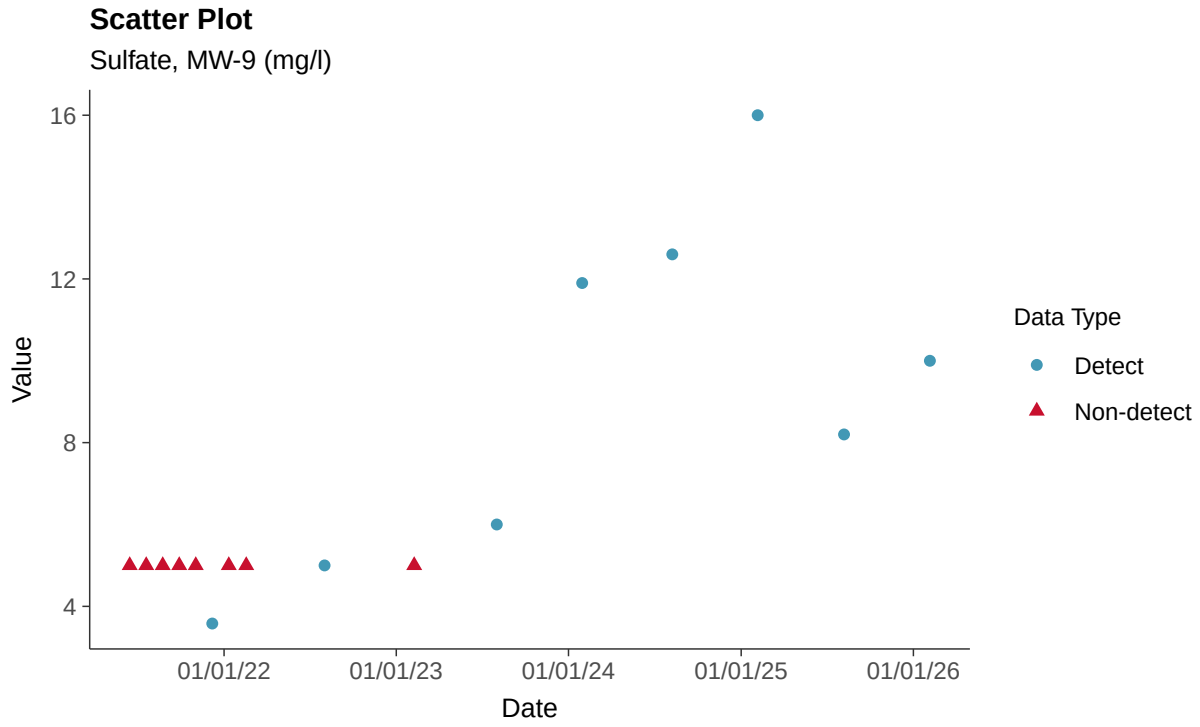
Trend Regression: Piecewise Linear-Linear-Linear

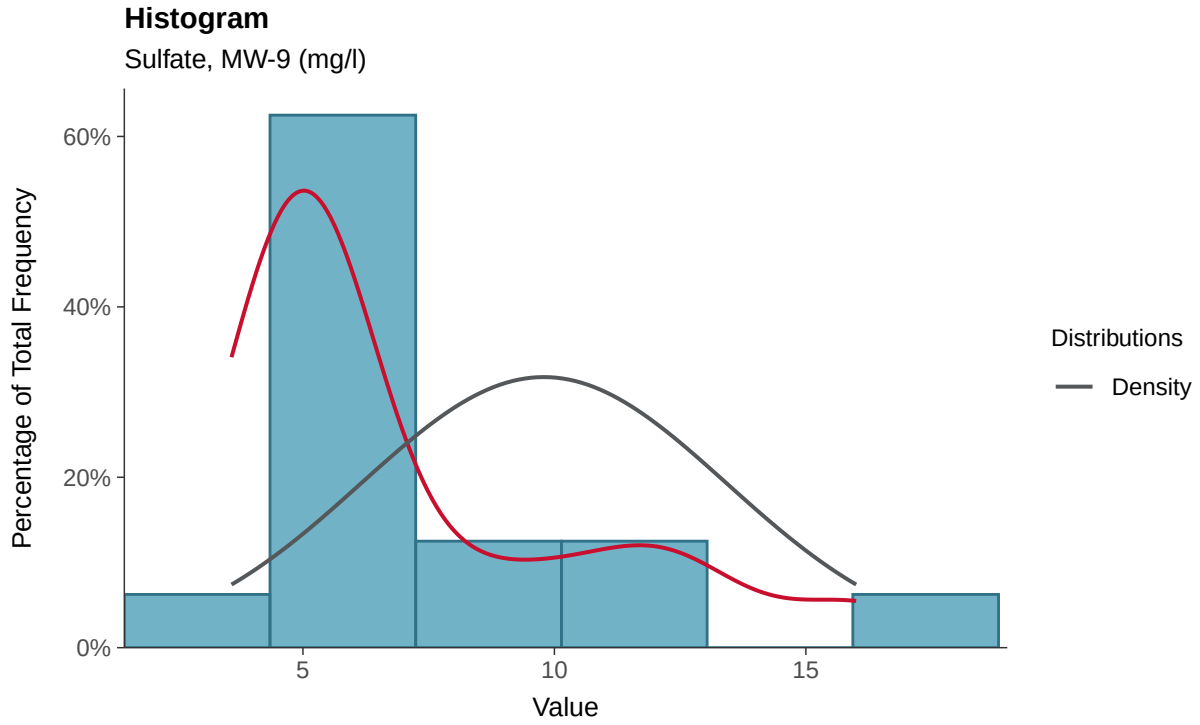
pH, Field, MW-9 (su)



Appendix III: Sulfate, MW-9

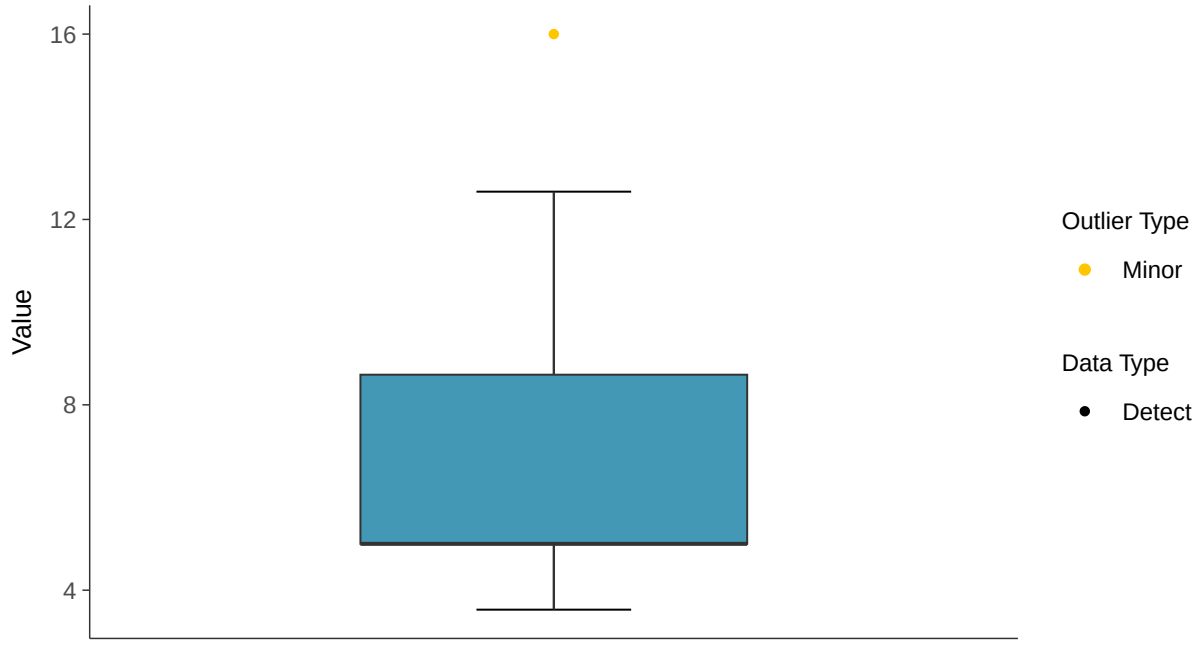
ID: 18_2_124





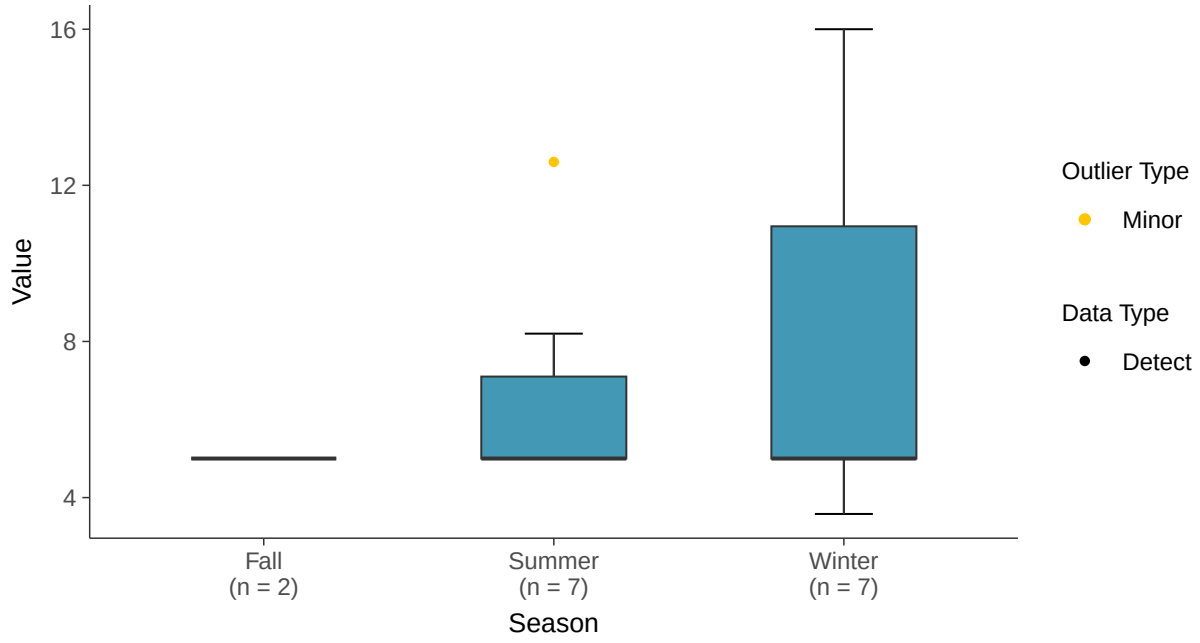
Boxplot

Sulfate, MW-9 (mg/l)



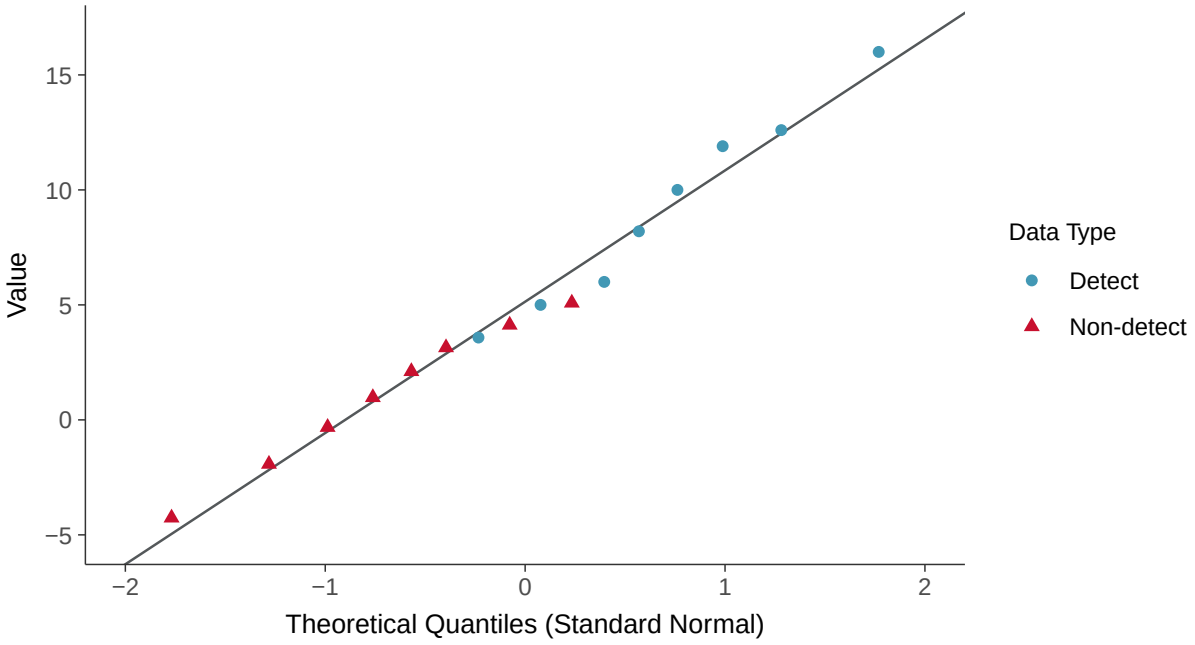
Boxplot by Season

Sulfate, MW-9 (mg/l)



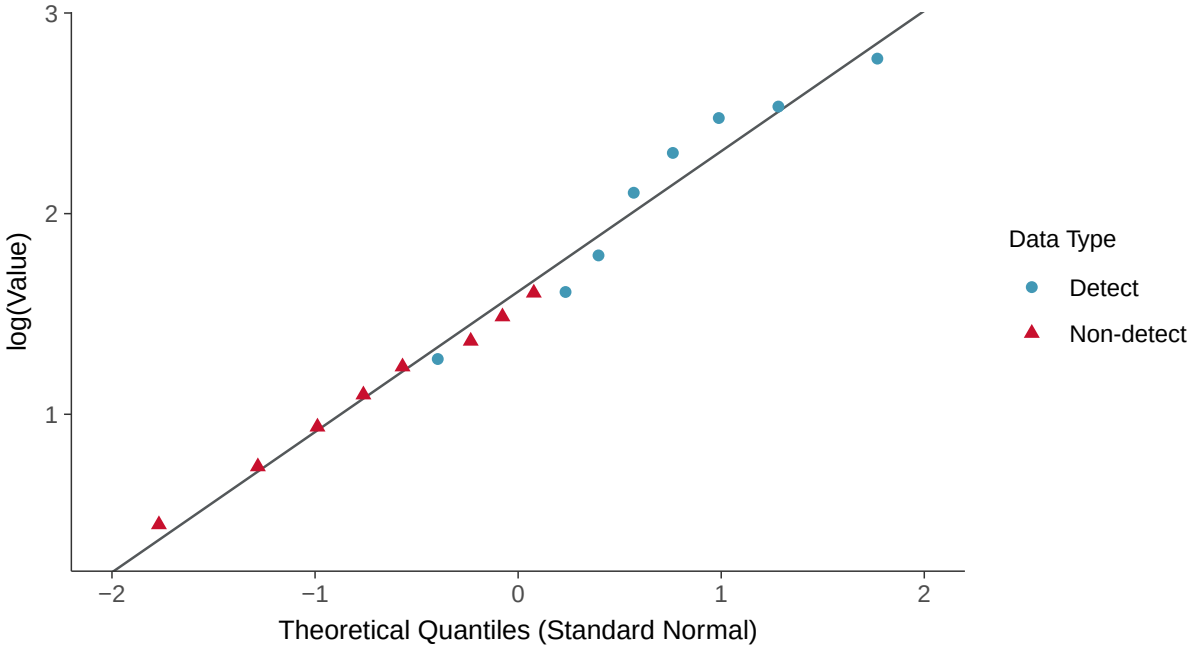
Normal Q-Q plot using ROS Imputed Estimates

Sulfate, MW-9 (mg/l)



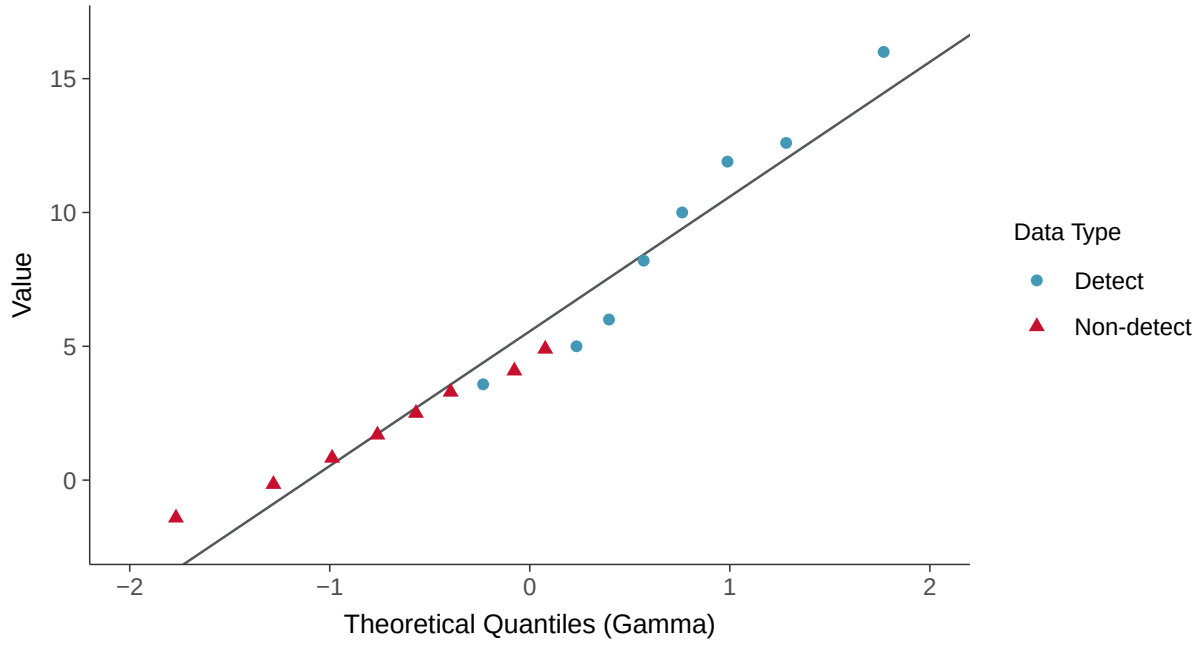
Lognormal Q-Q plot using ROS Imputed Estimates

Sulfate, MW-9 (mg/l)



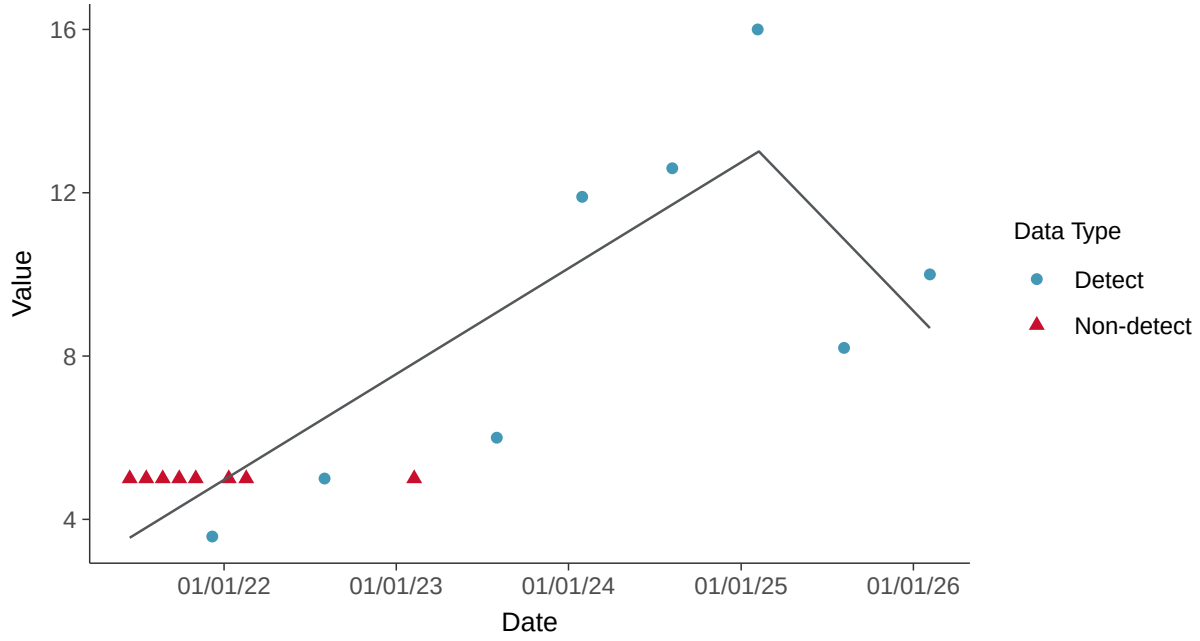
Gamma Q-Q plot using ROS Imputed Estimates

Sulfate, MW-9 (mg/l)



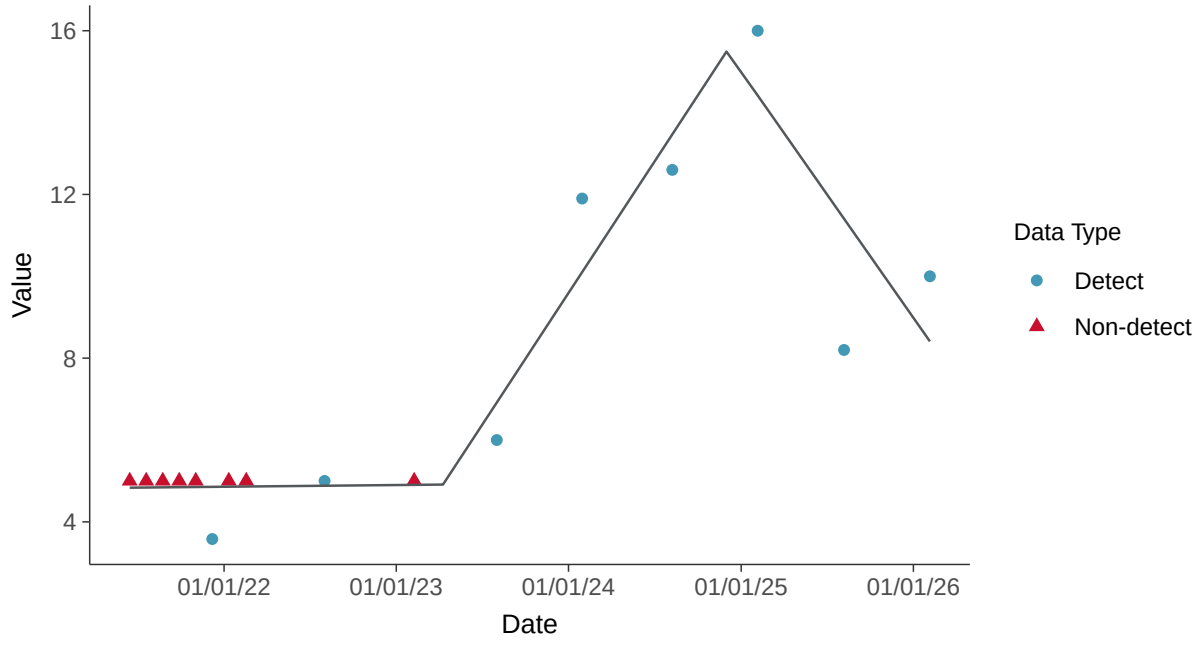
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-9 (mg/l)



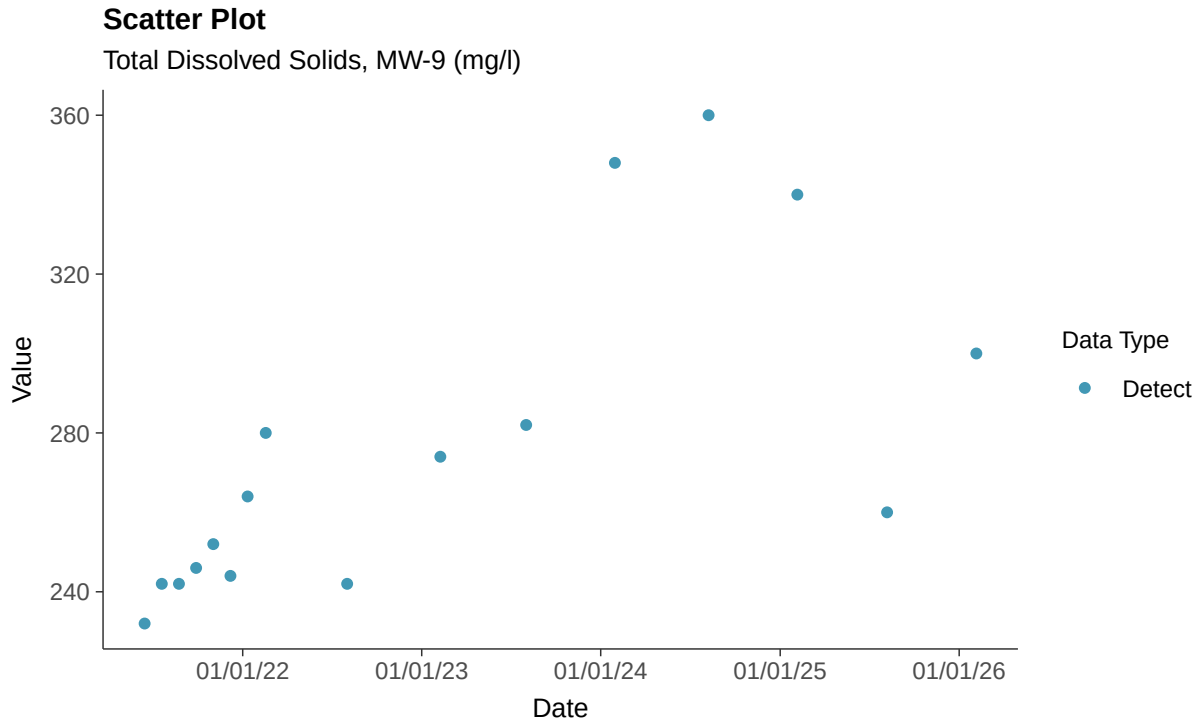
Trend Regression: Piecewise Linear-Linear-Linear

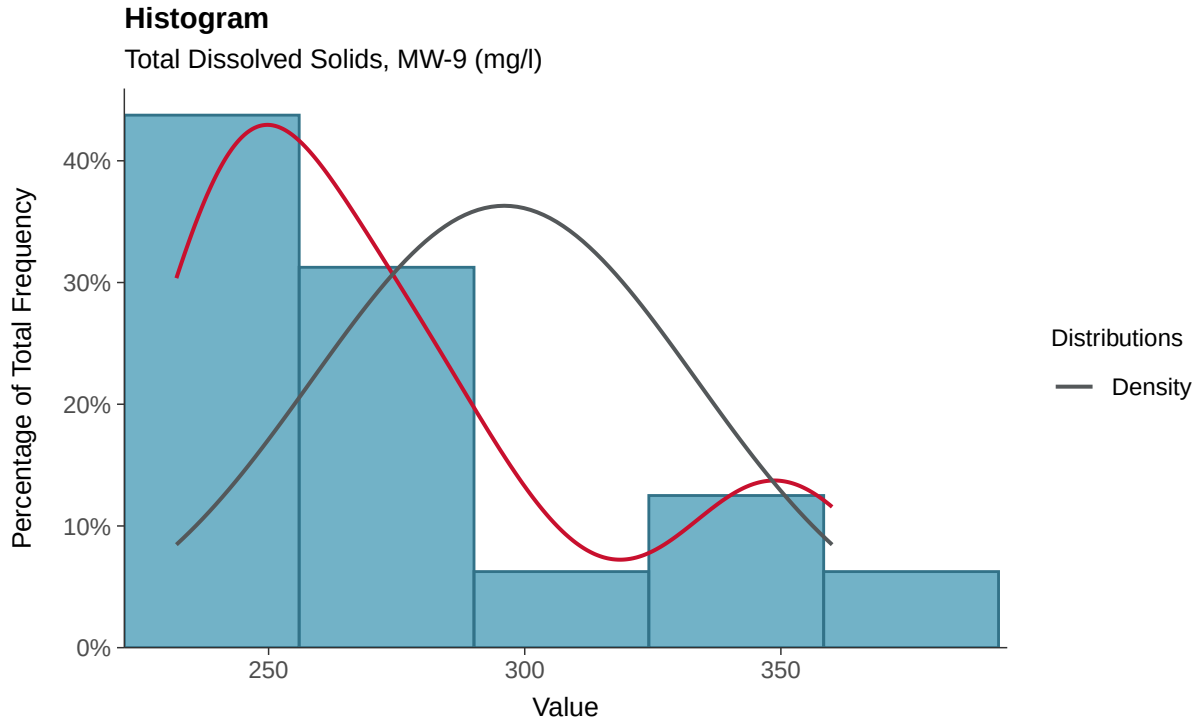
Sulfate, MW-9 (mg/l)



Appendix III: Total Dissolved Solids, MW-9

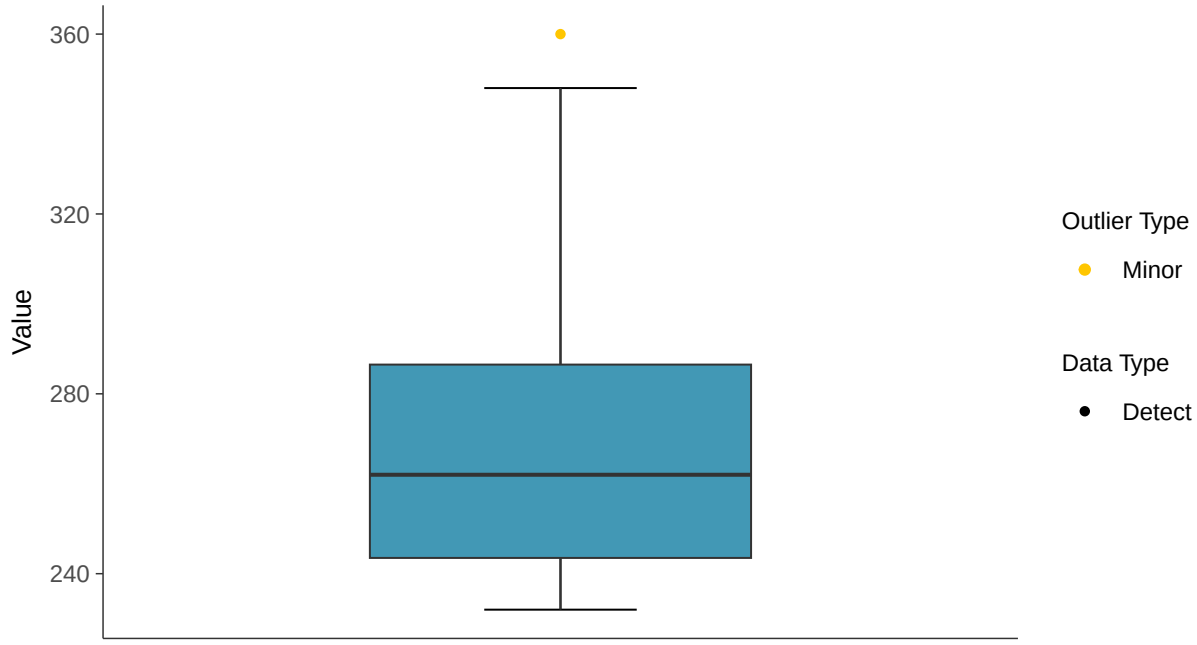
ID: 18_2_126





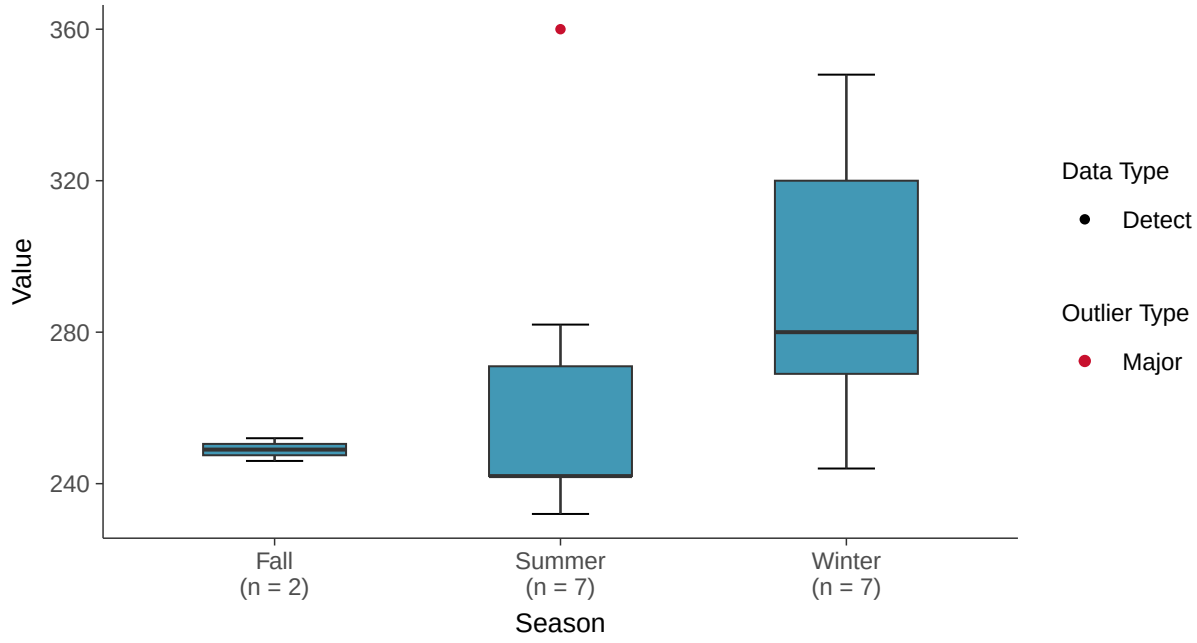
Boxplot

Total Dissolved Solids, MW-9 (mg/l)



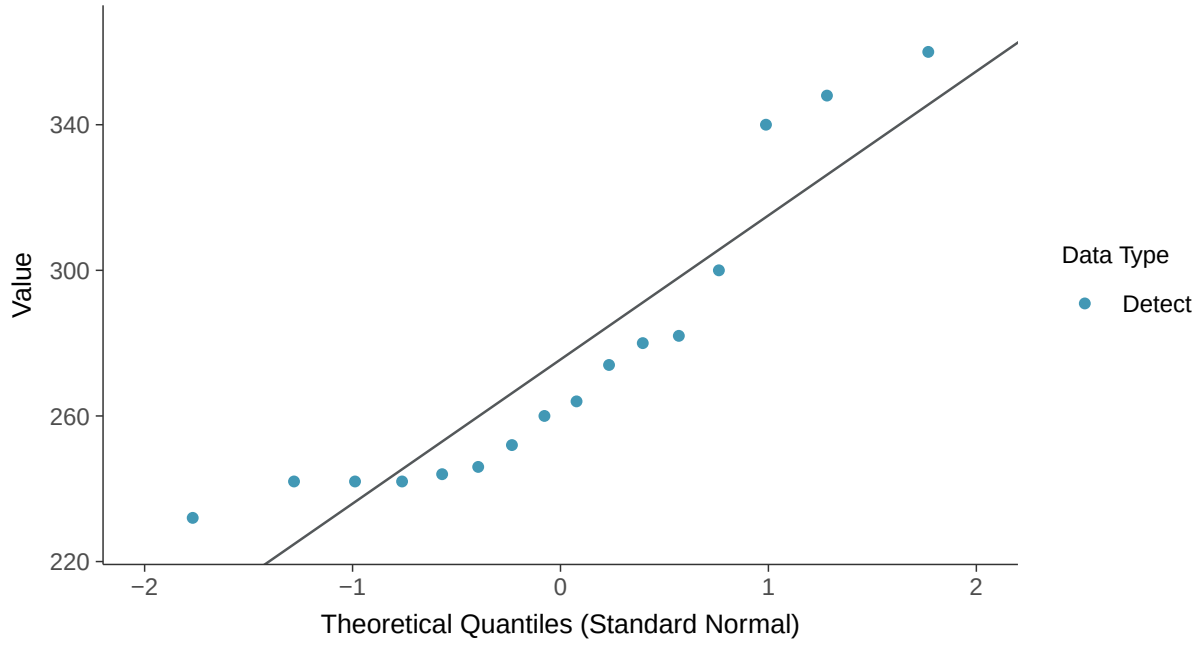
Boxplot by Season

Total Dissolved Solids, MW-9 (mg/l)



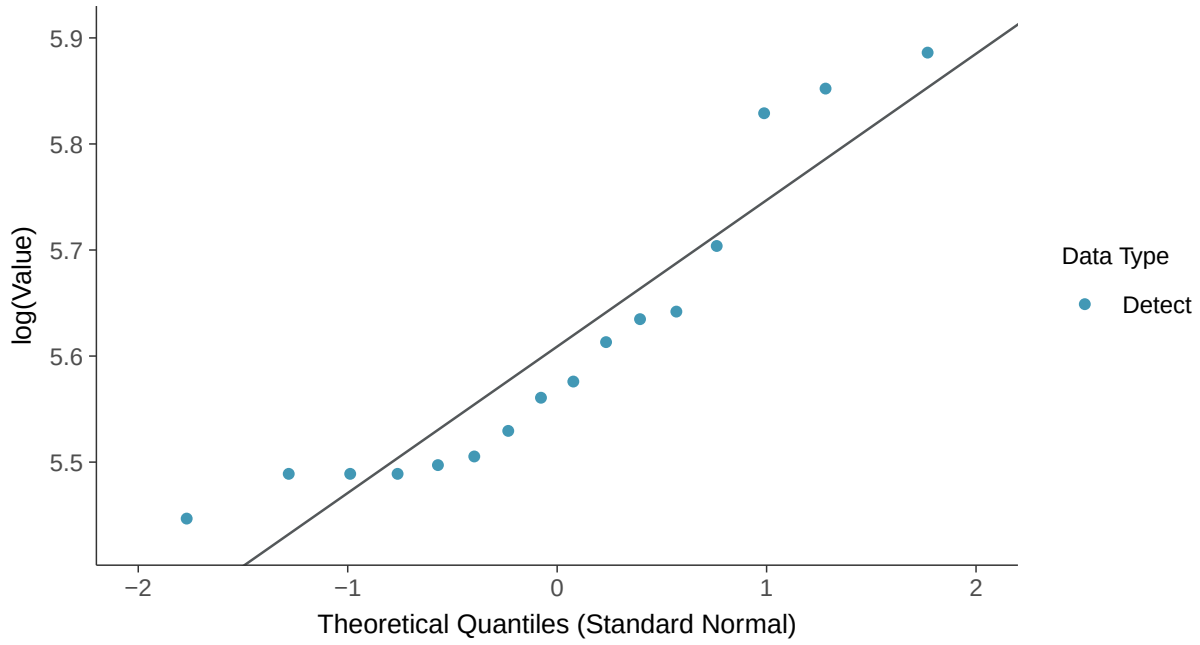
Normal Q-Q plot

Total Dissolved Solids, MW-9 (mg/l)



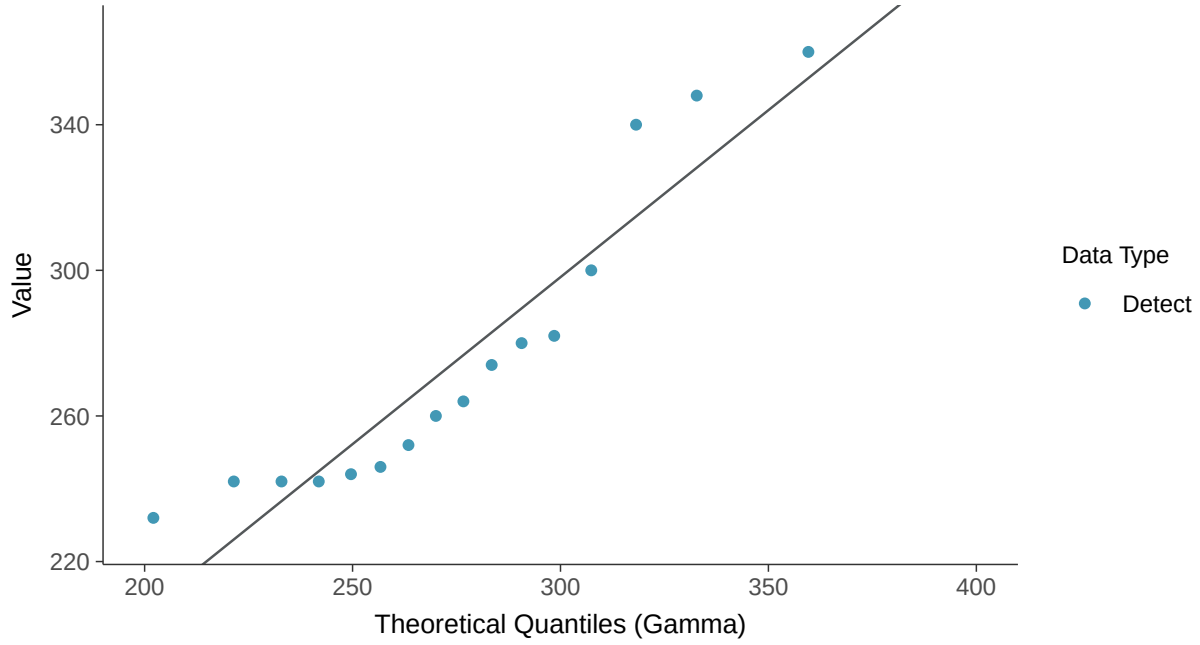
Lognormal Q-Q plot

Total Dissolved Solids, MW-9 (mg/l)



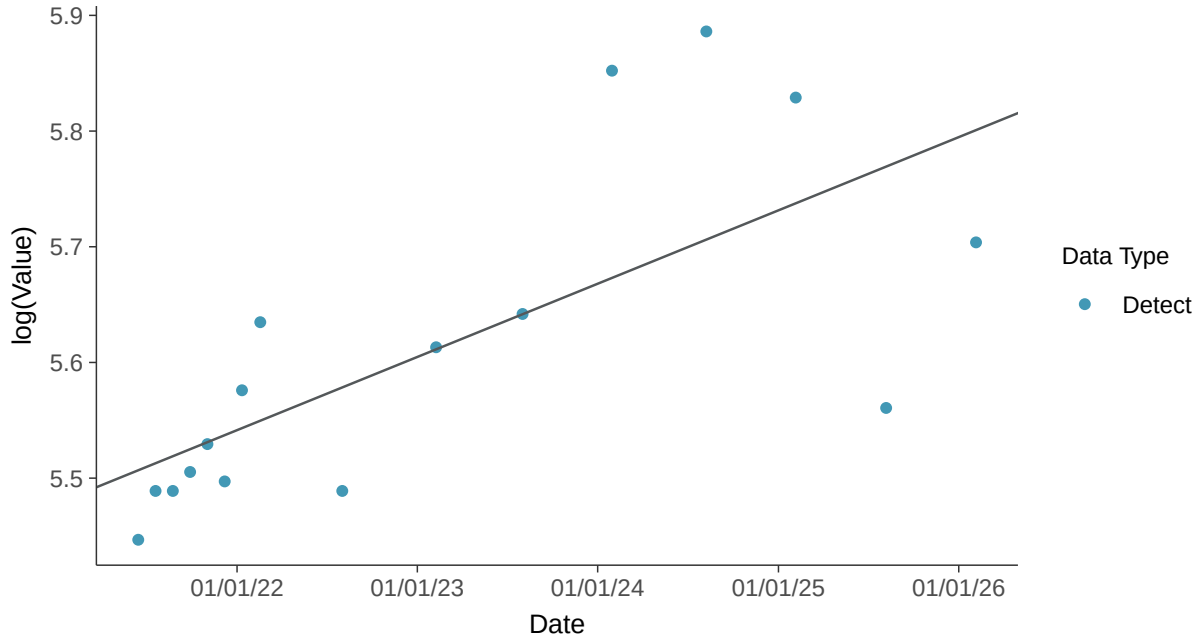
Gamma Q-Q plot

Total Dissolved Solids, MW-9 (mg/l)



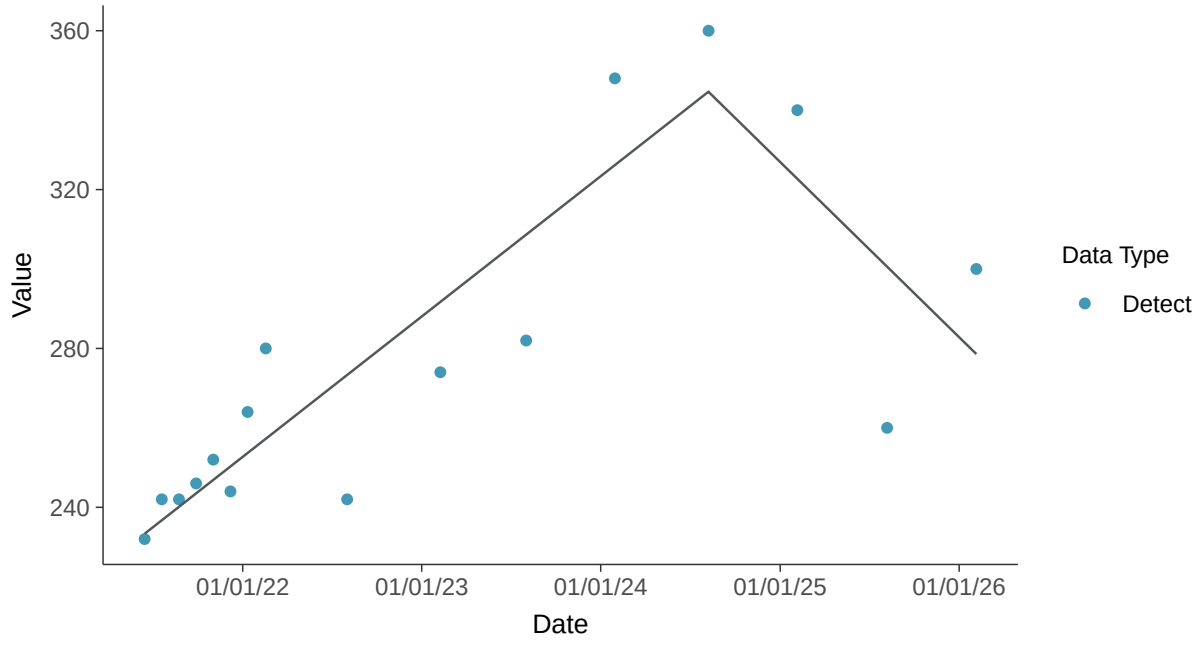
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-9 (mg/l)



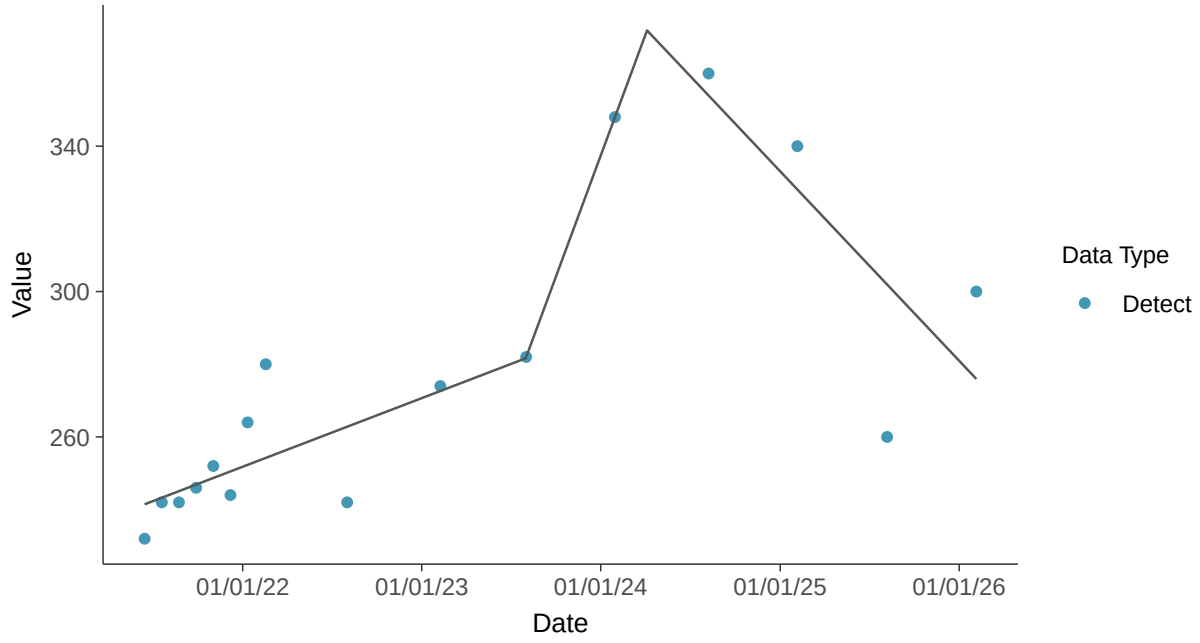
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-9 (mg/l)



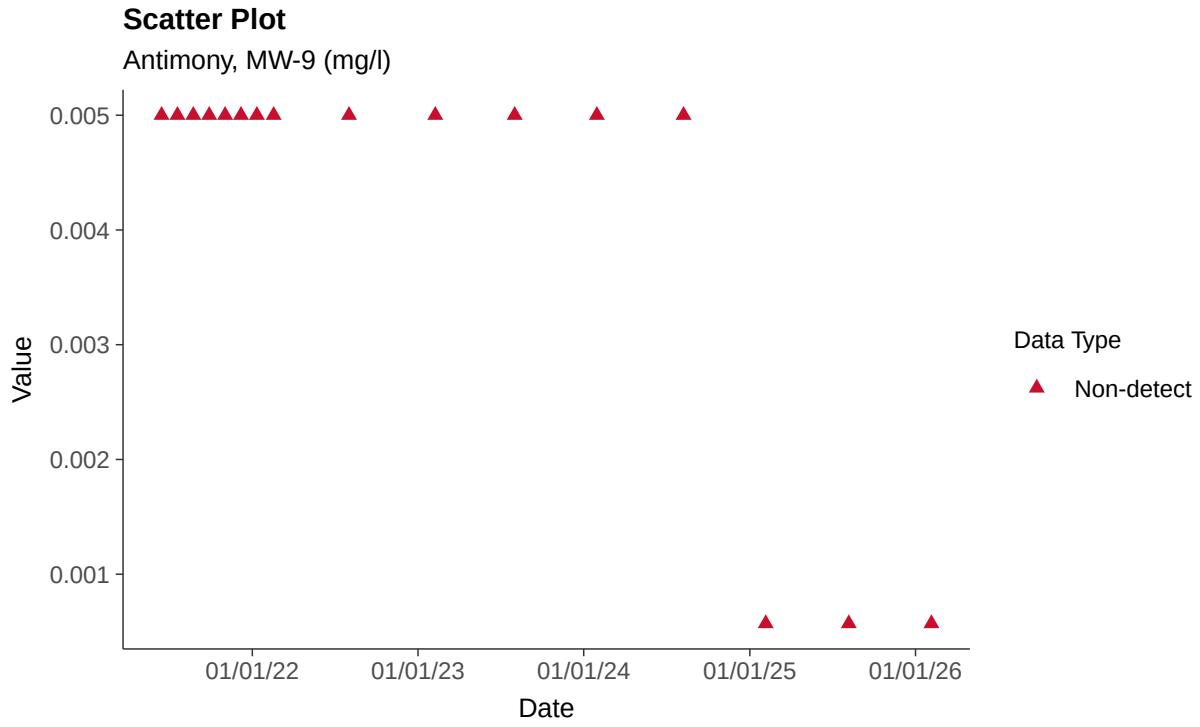
Trend Regression: Piecewise Linear-Linear-Linear

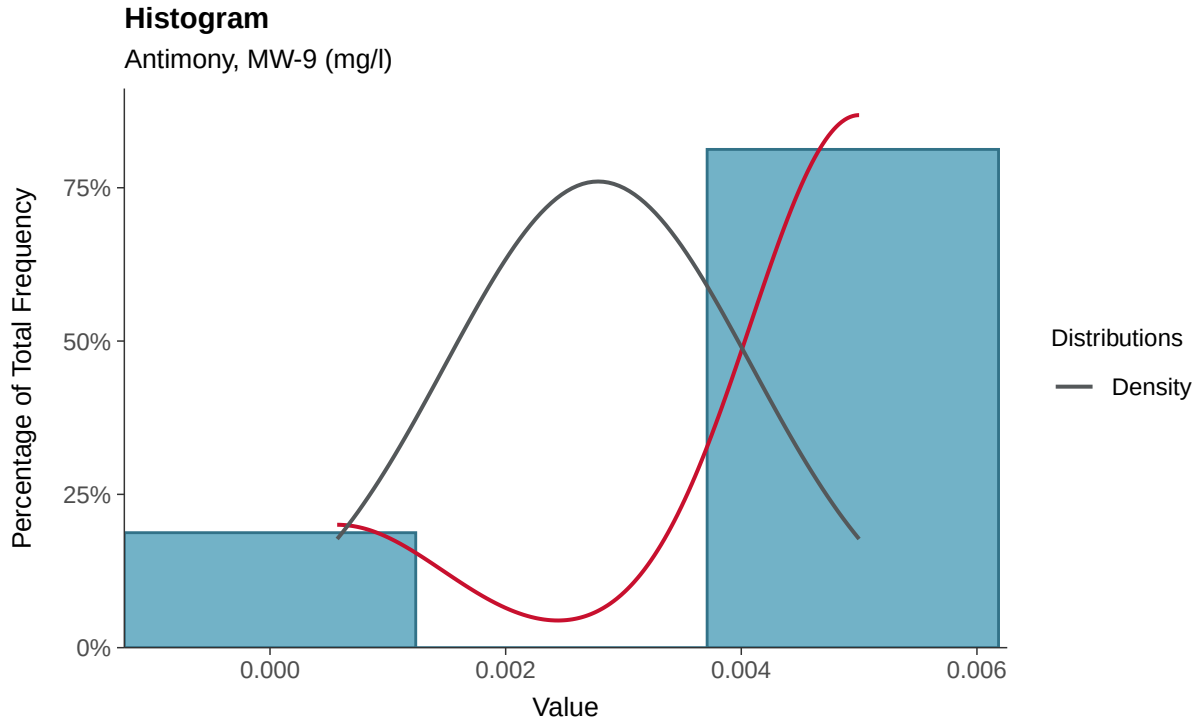
Total Dissolved Solids, MW-9 (mg/l)



Appendix IV: Antimony, MW-9

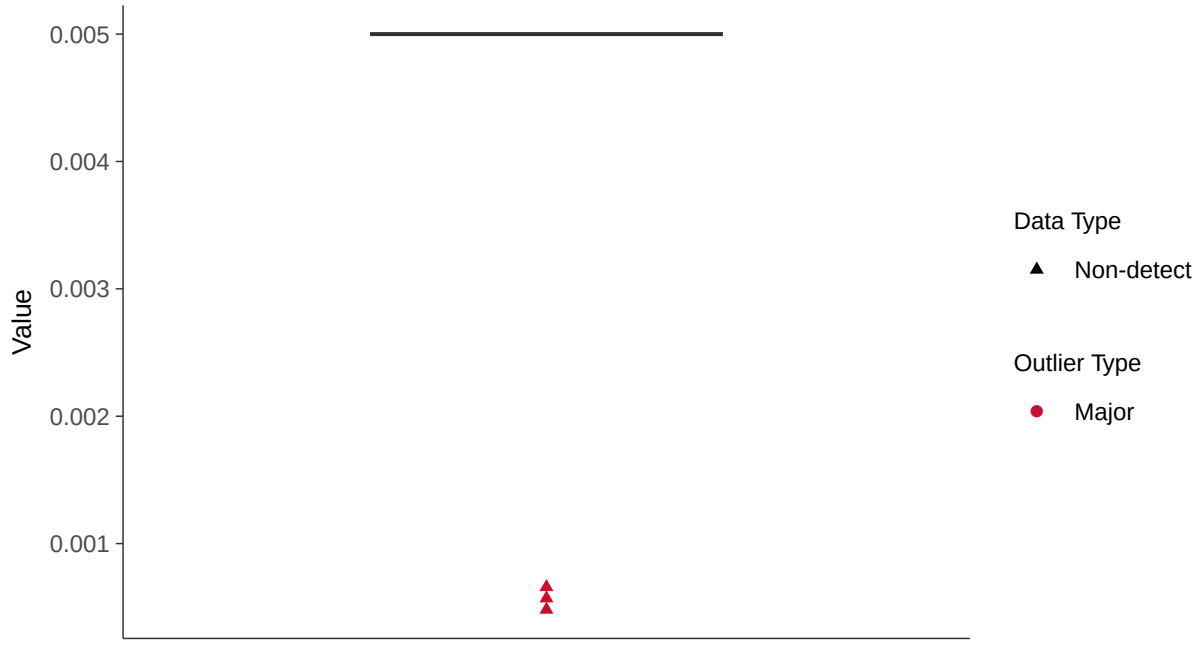
ID: 18_3_101





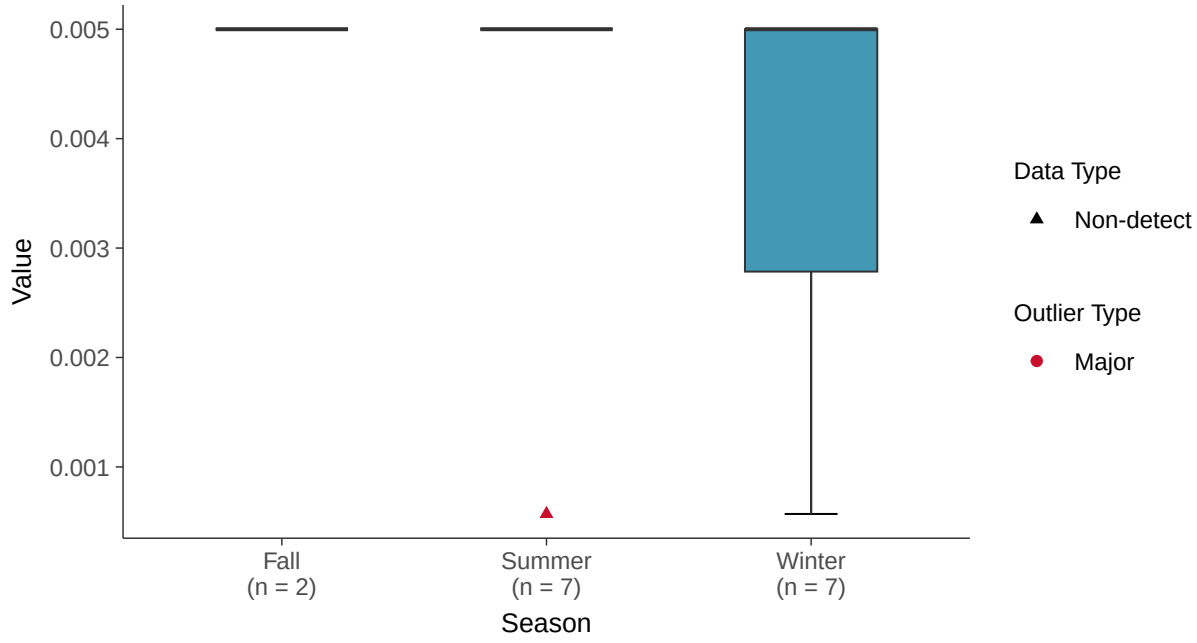
Boxplot

Antimony, MW-9 (mg/l)



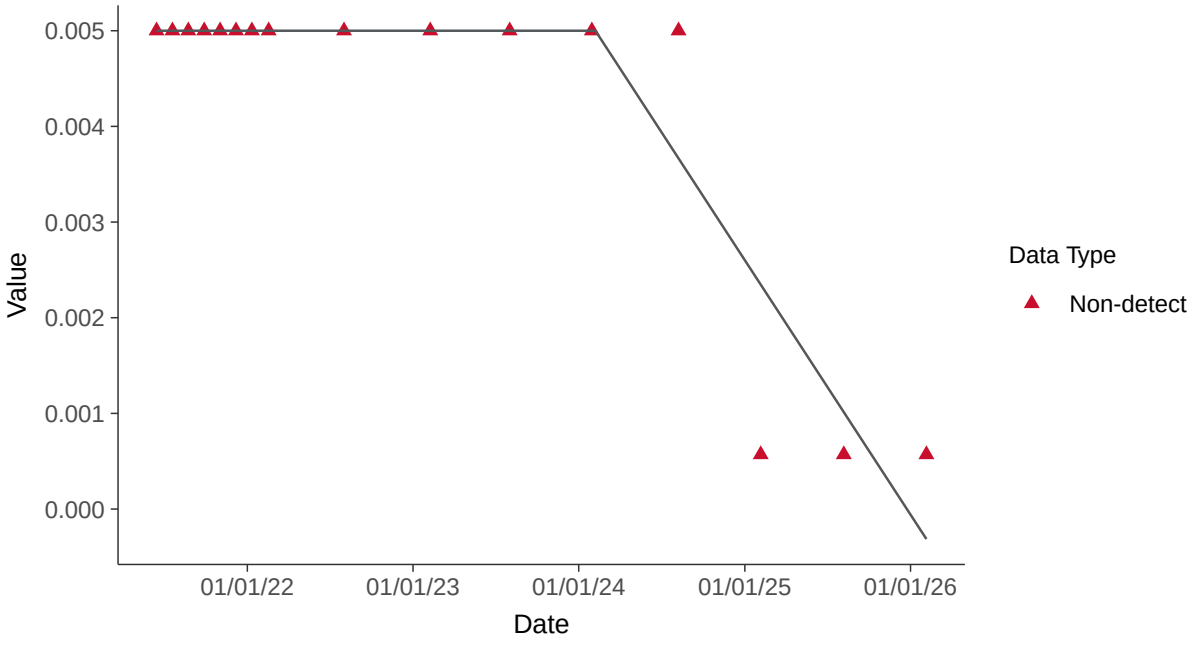
Boxplot by Season

Antimony, MW-9 (mg/l)



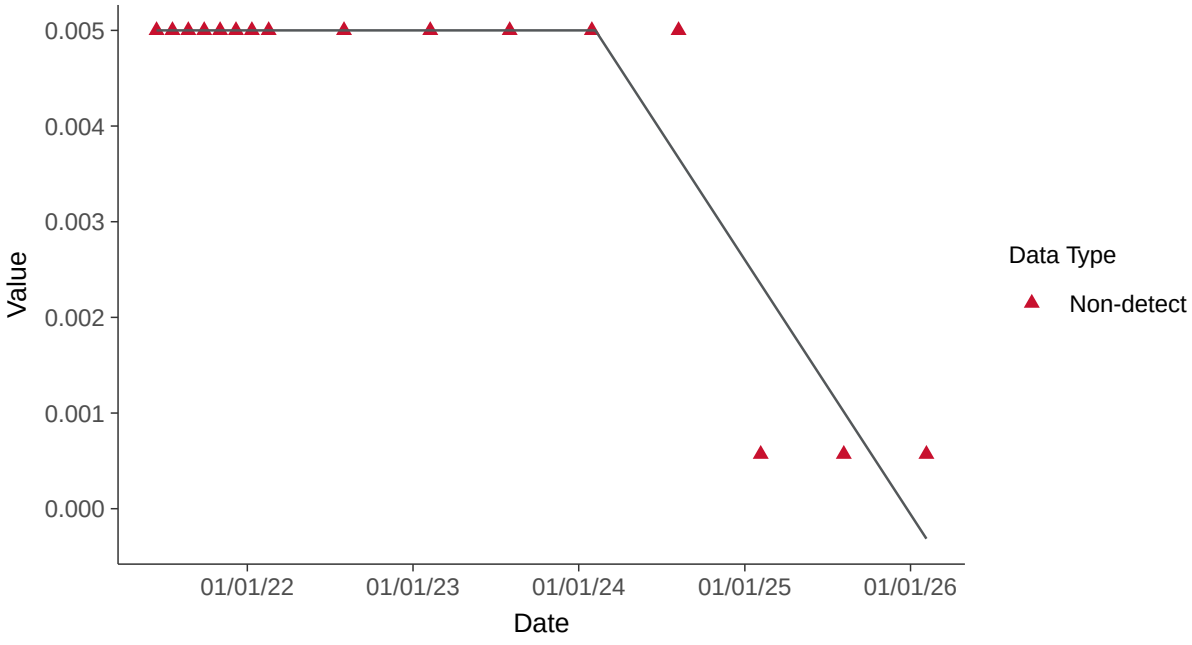
Trend Regression: Piecewise Linear-Linear

Antimony, MW-9 (mg/l)



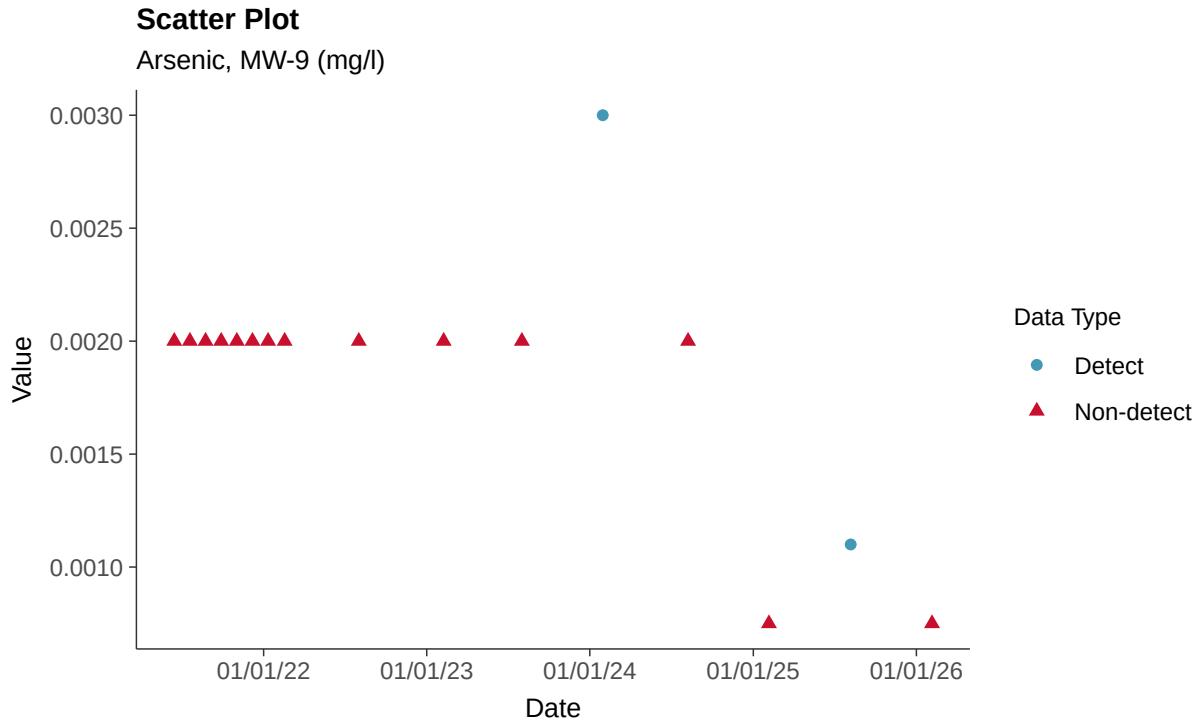
Trend Regression: Piecewise Linear-Linear-Linear

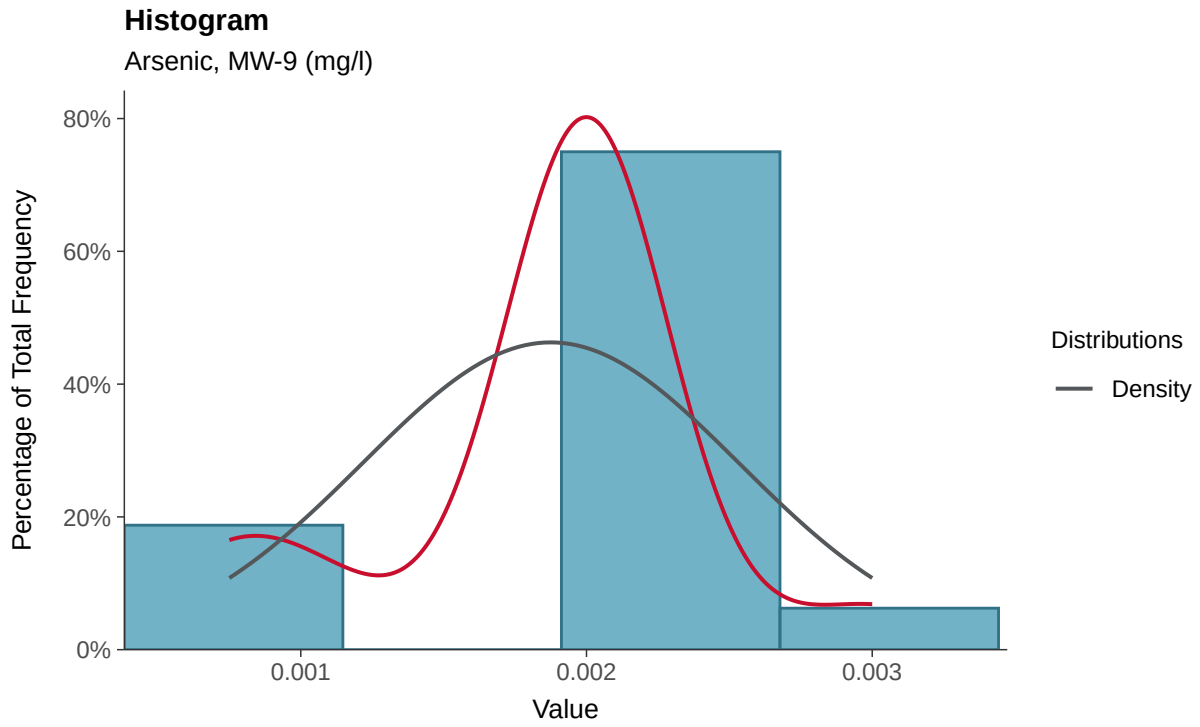
Antimony, MW-9 (mg/l)



Appendix IV: Arsenic, MW-9

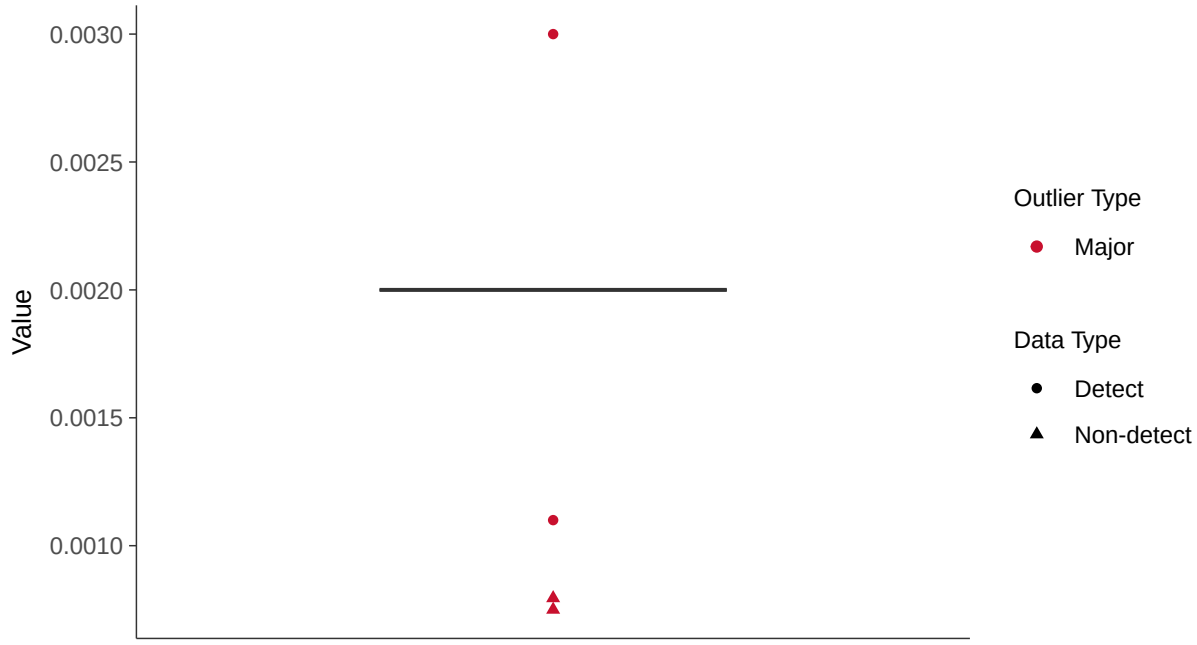
ID: 18_3_102





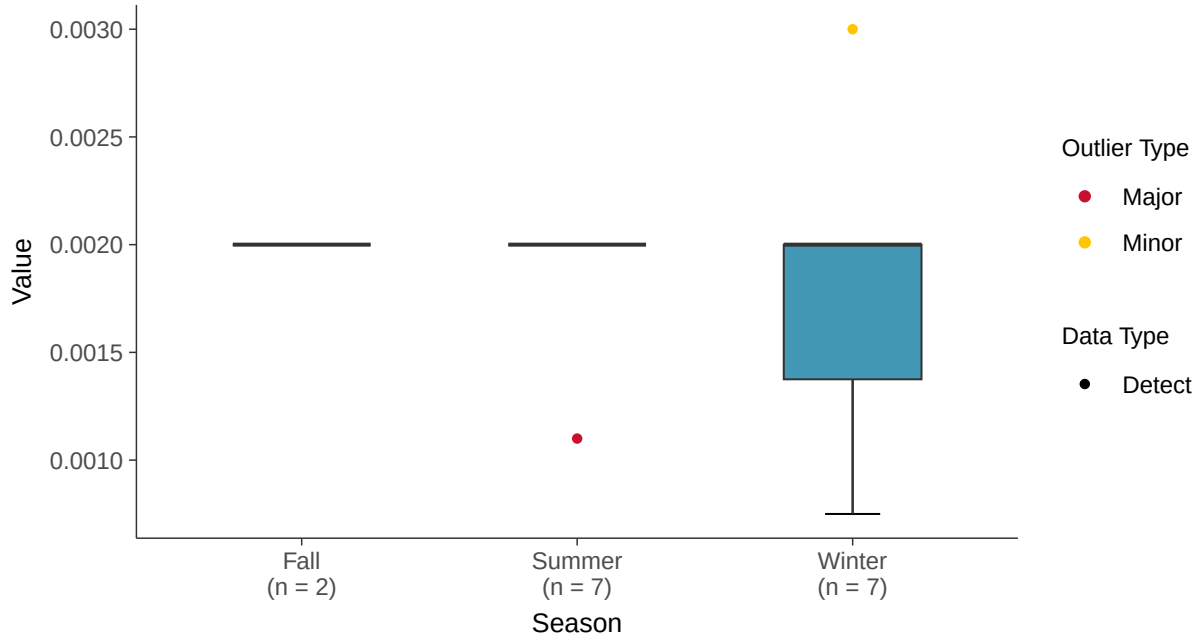
Boxplot

Arsenic, MW-9 (mg/l)



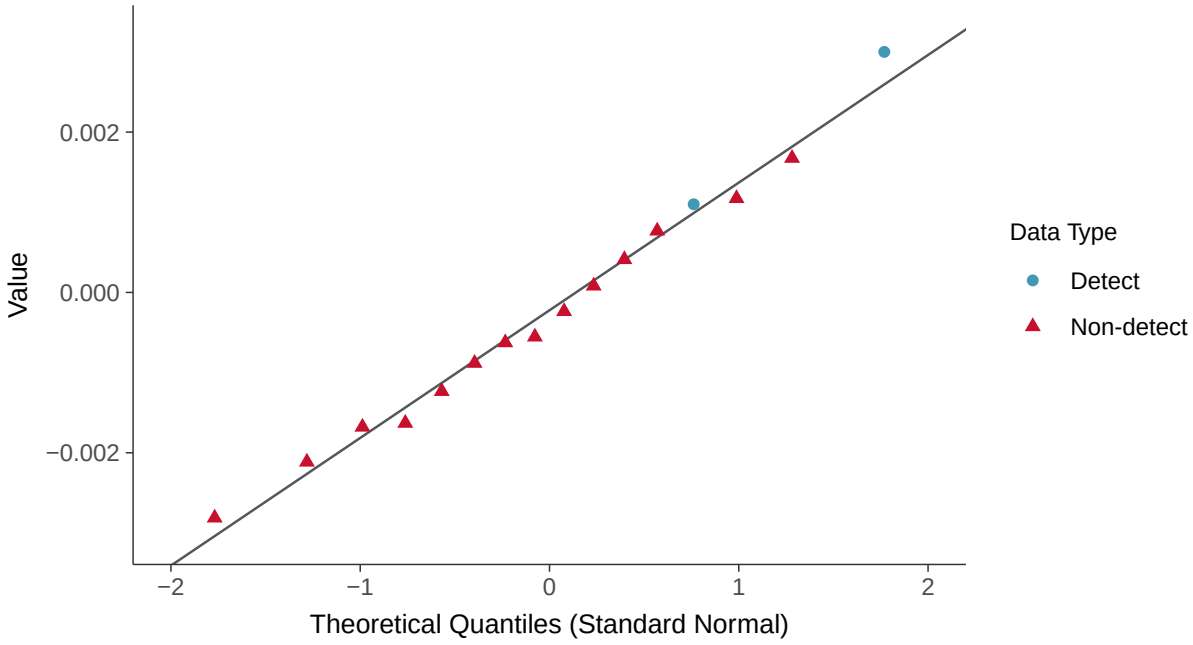
Boxplot by Season

Arsenic, MW-9 (mg/l)



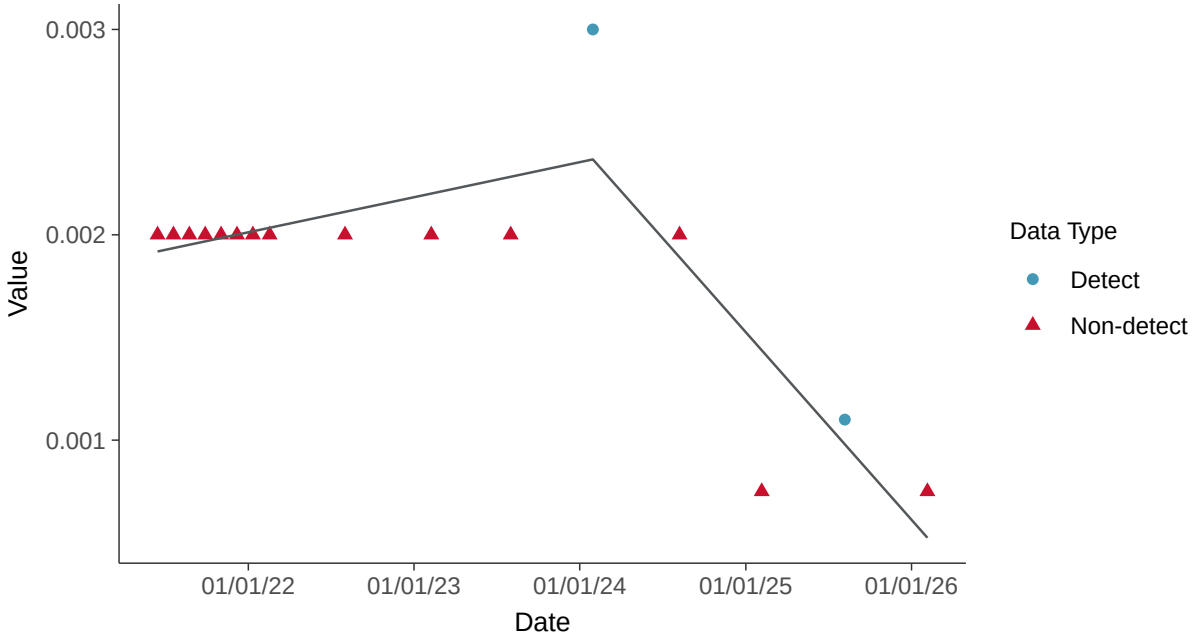
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-9 (mg/l)



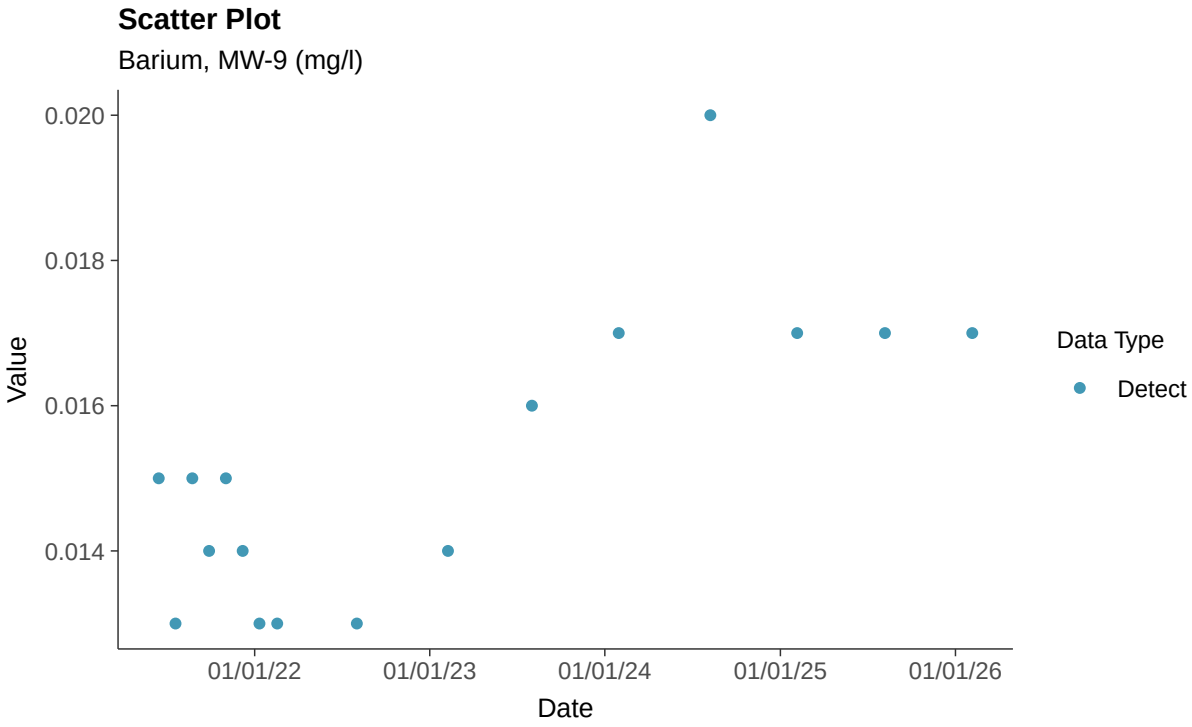
Trend Regression: Piecewise Linear-Linear

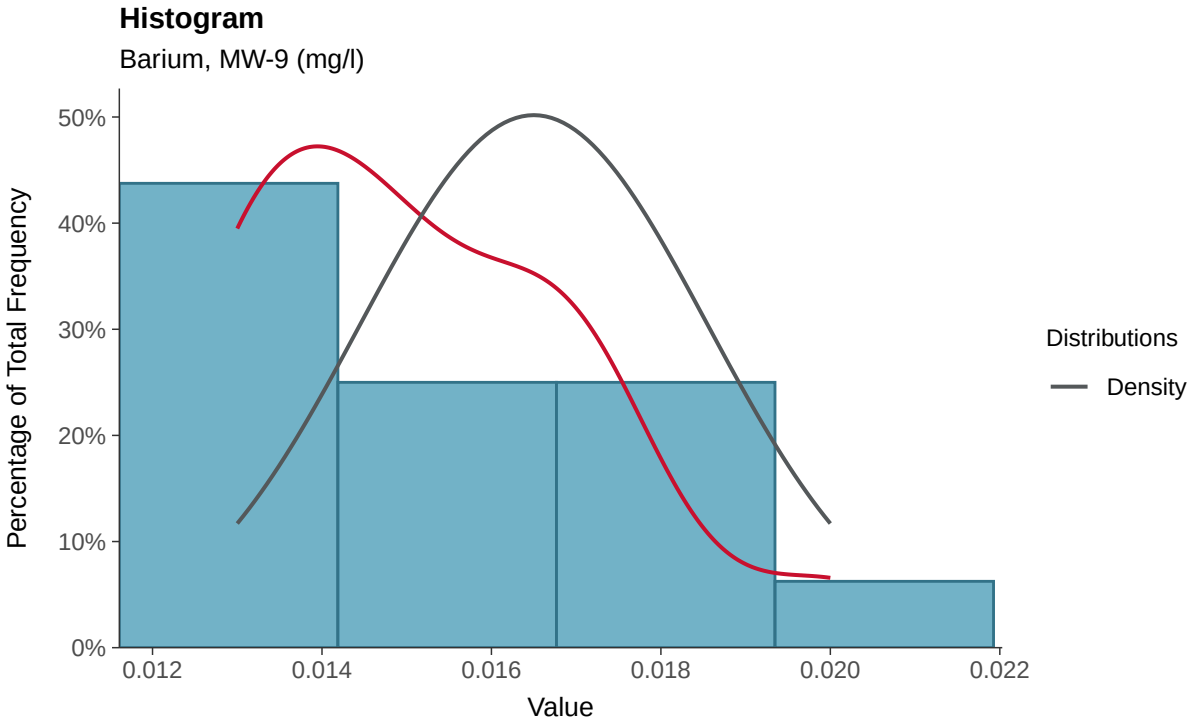
Arsenic, MW-9 (mg/l)



Appendix IV: Barium, MW-9

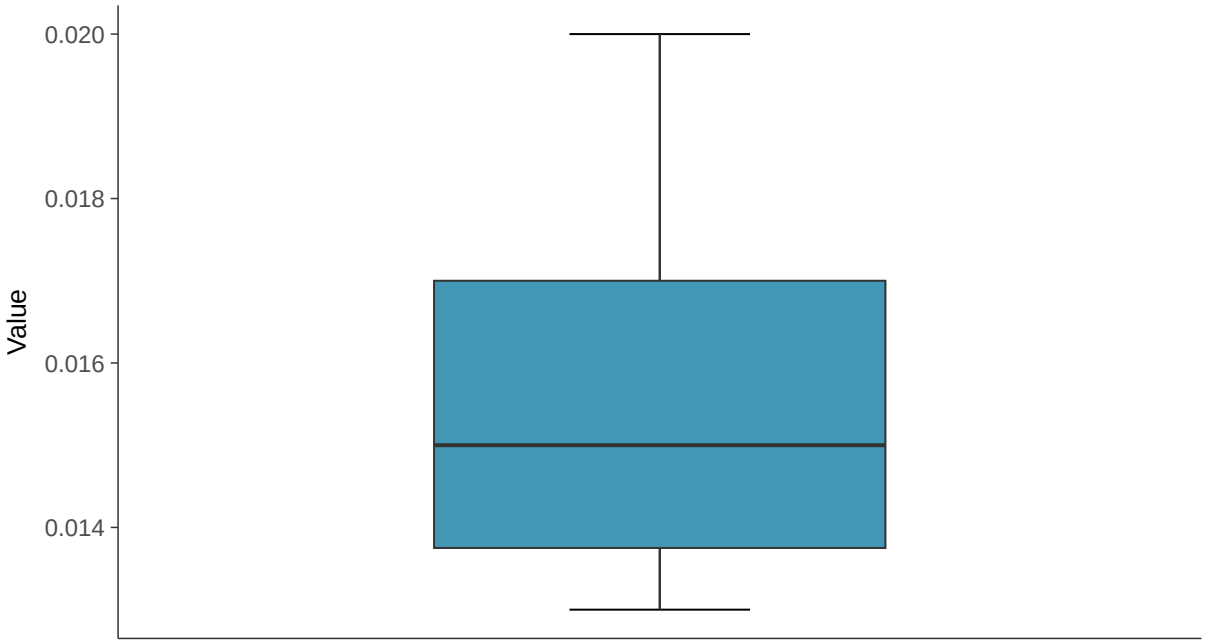
ID: 18_3_103





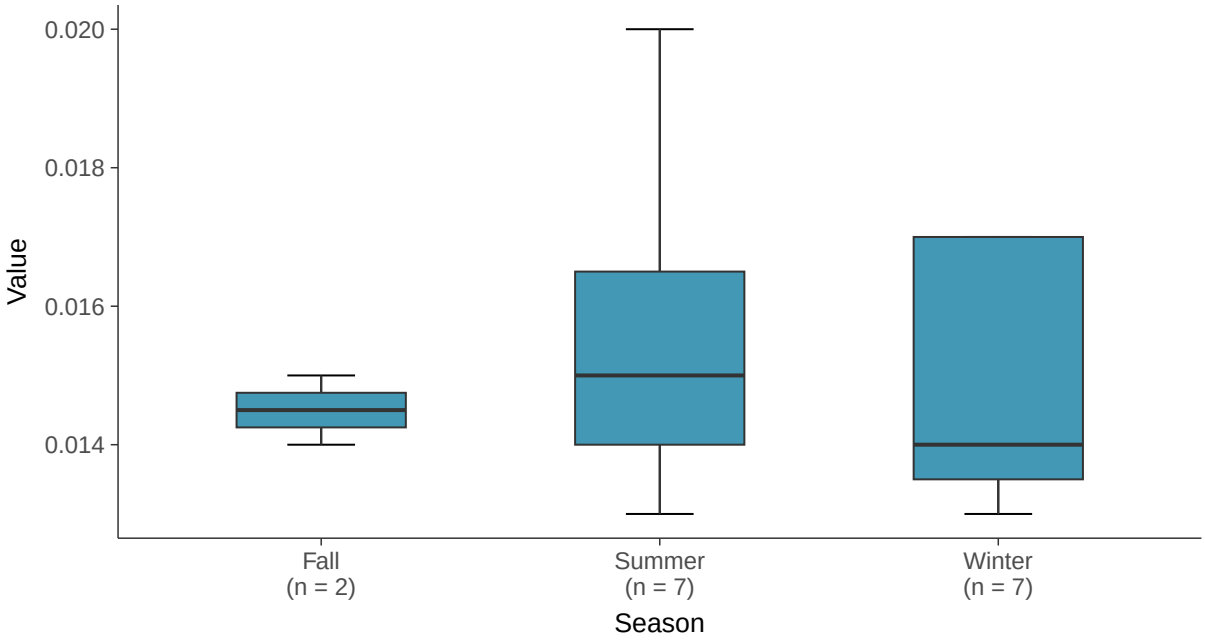
Boxplot

Barium, MW-9 (mg/l)



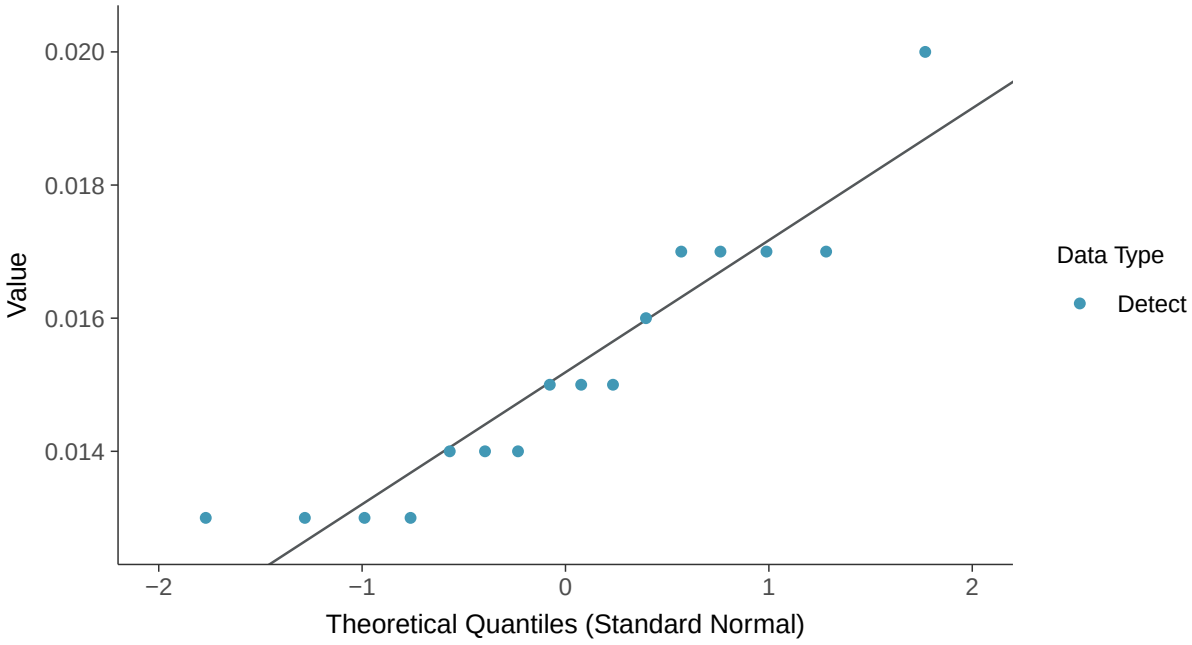
Boxplot by Season

Barium, MW-9 (mg/l)



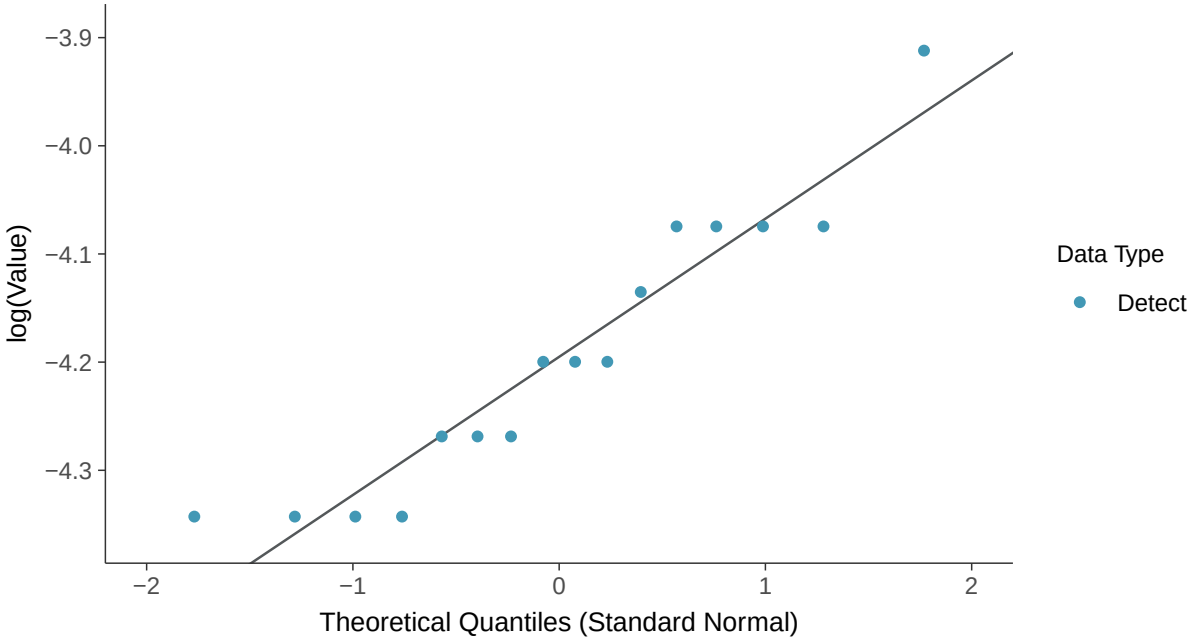
Normal Q-Q plot

Barium, MW-9 (mg/l)



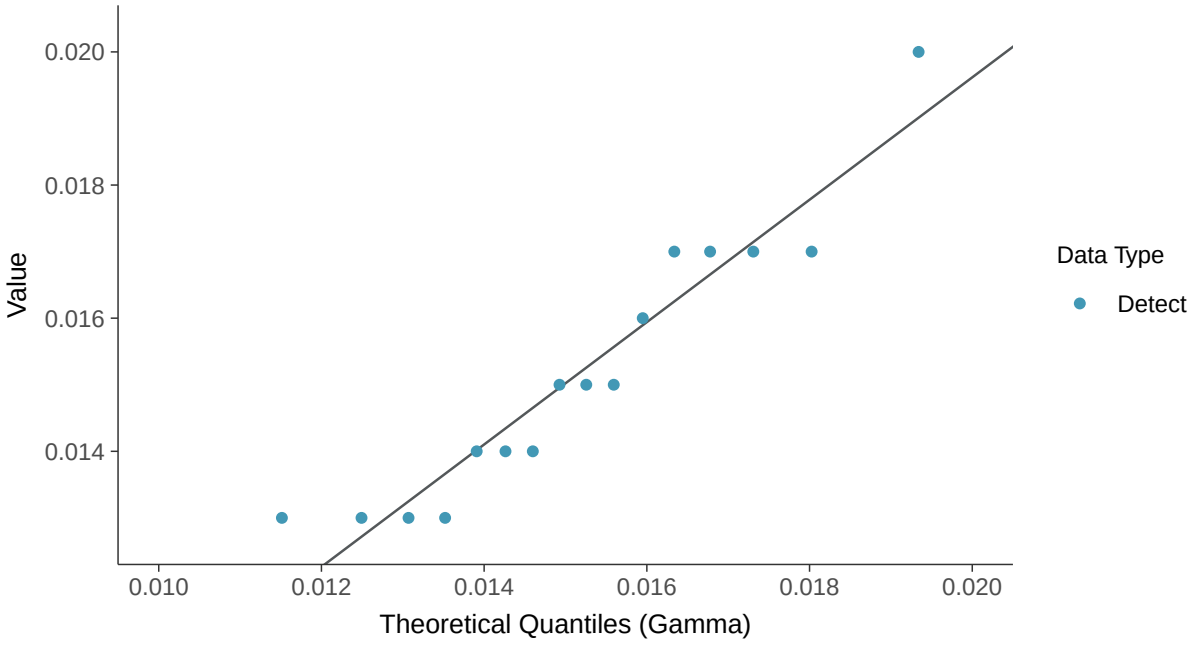
Lognormal Q-Q plot

Barium, MW-9 (mg/l)



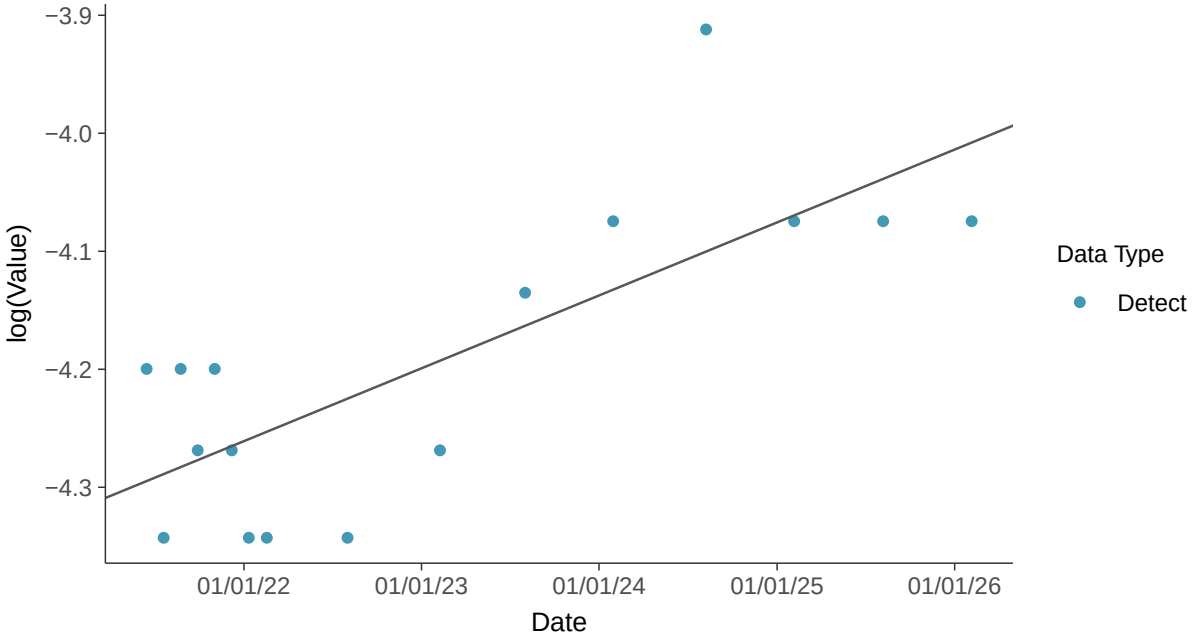
Gamma Q-Q plot

Barium, MW-9 (mg/l)



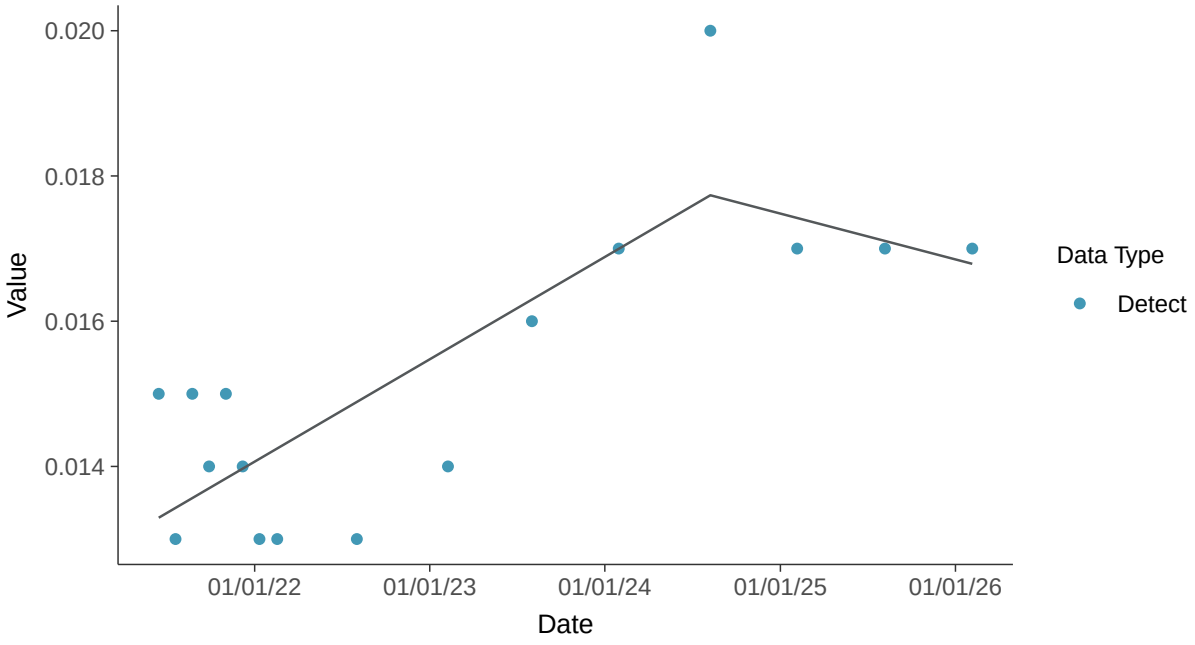
Trend Regression: Lognormal MLE

Barium, MW-9 (mg/l)



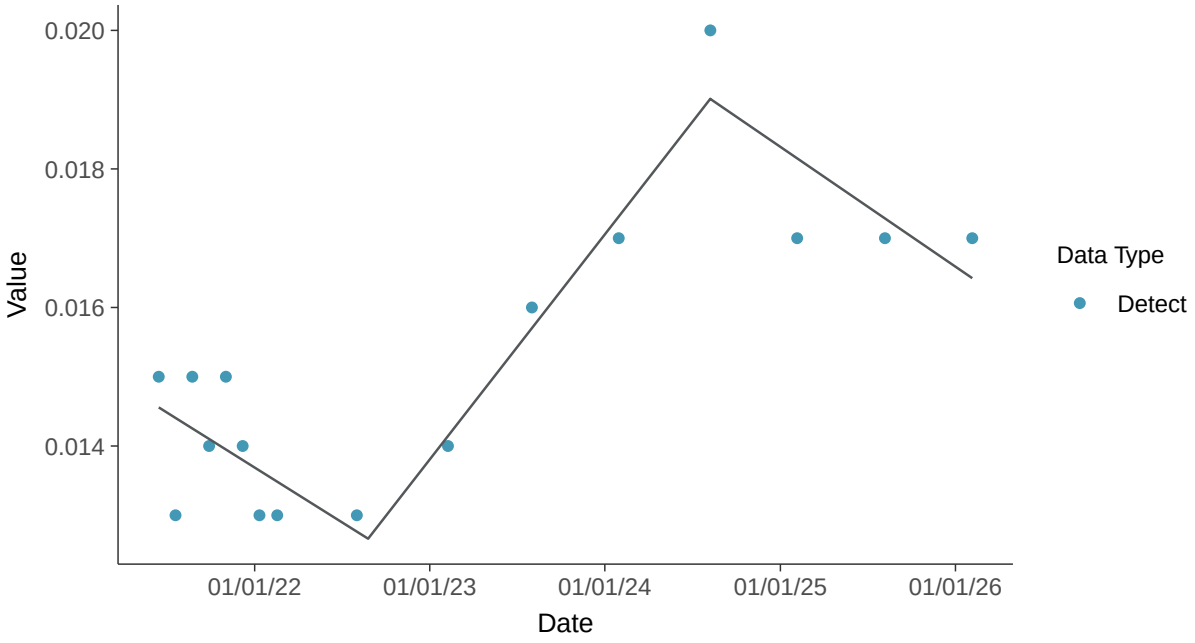
Trend Regression: Piecewise Linear-Linear

Barium, MW-9 (mg/l)



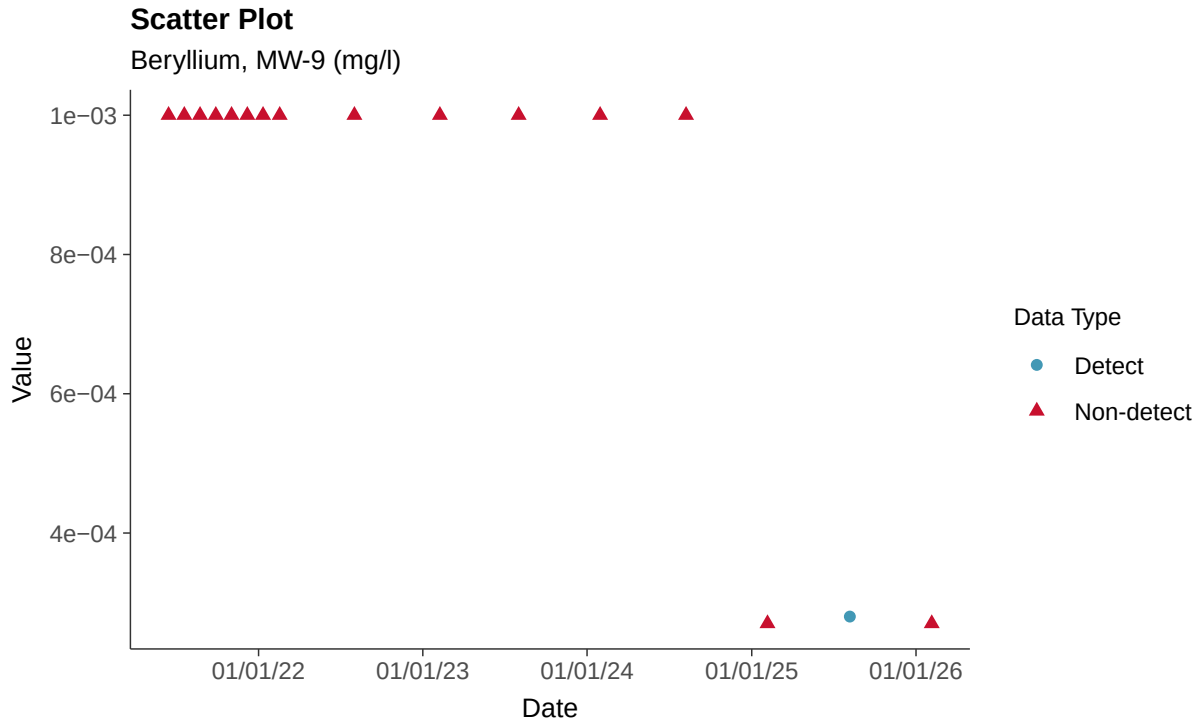
Trend Regression: Piecewise Linear-Linear-Linear

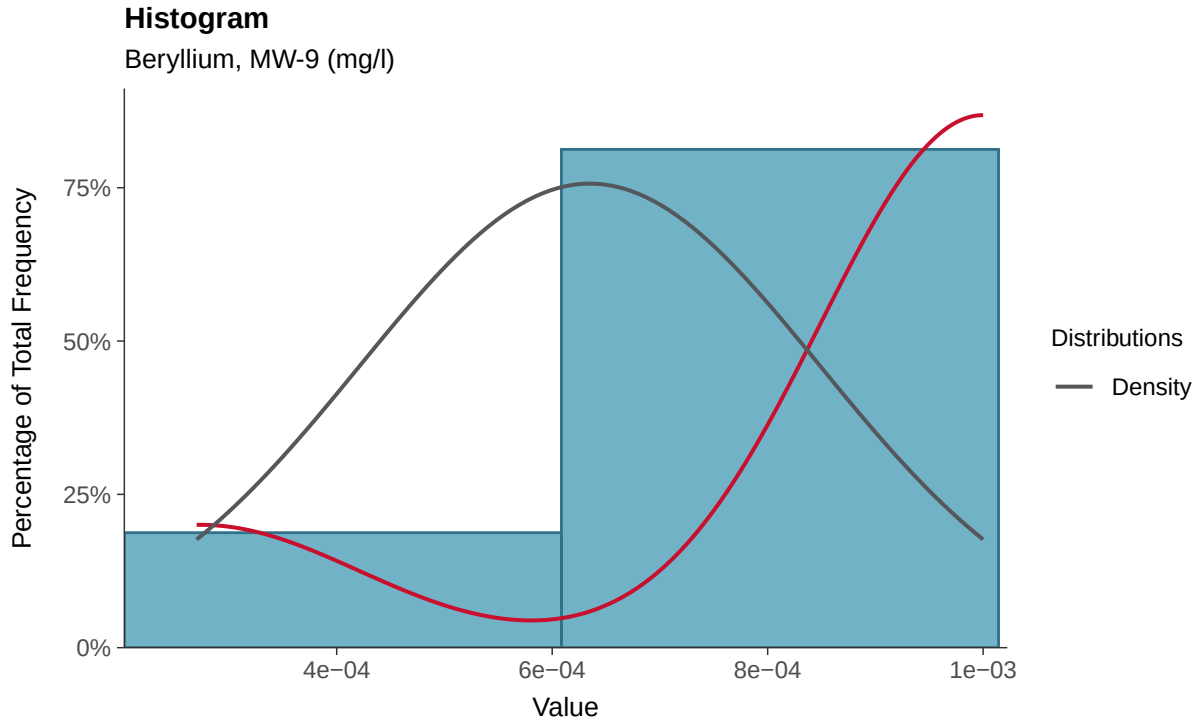
Barium, MW-9 (mg/l)



Appendix IV: Beryllium, MW-9

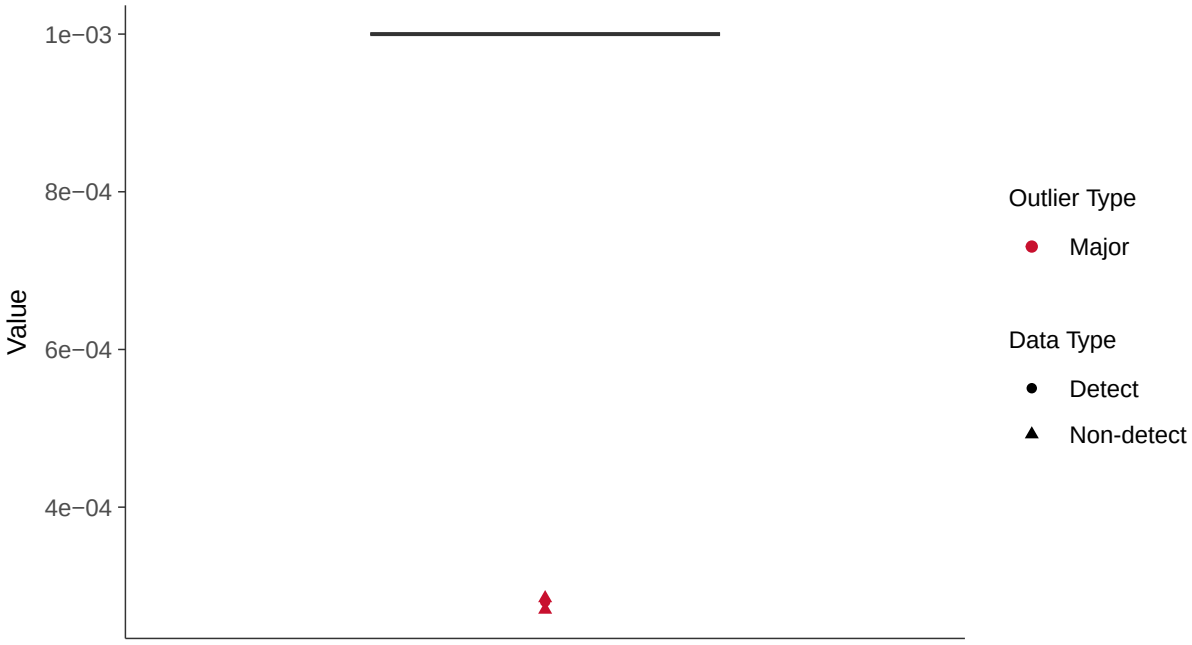
ID: 18_3_104





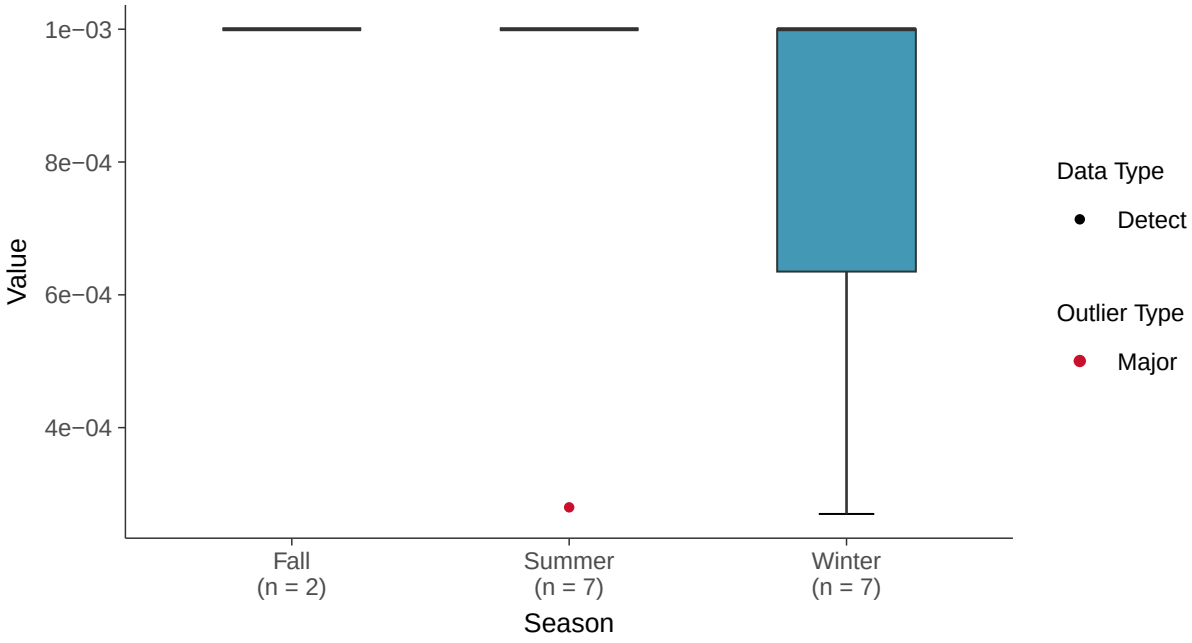
Boxplot

Beryllium, MW-9 (mg/l)



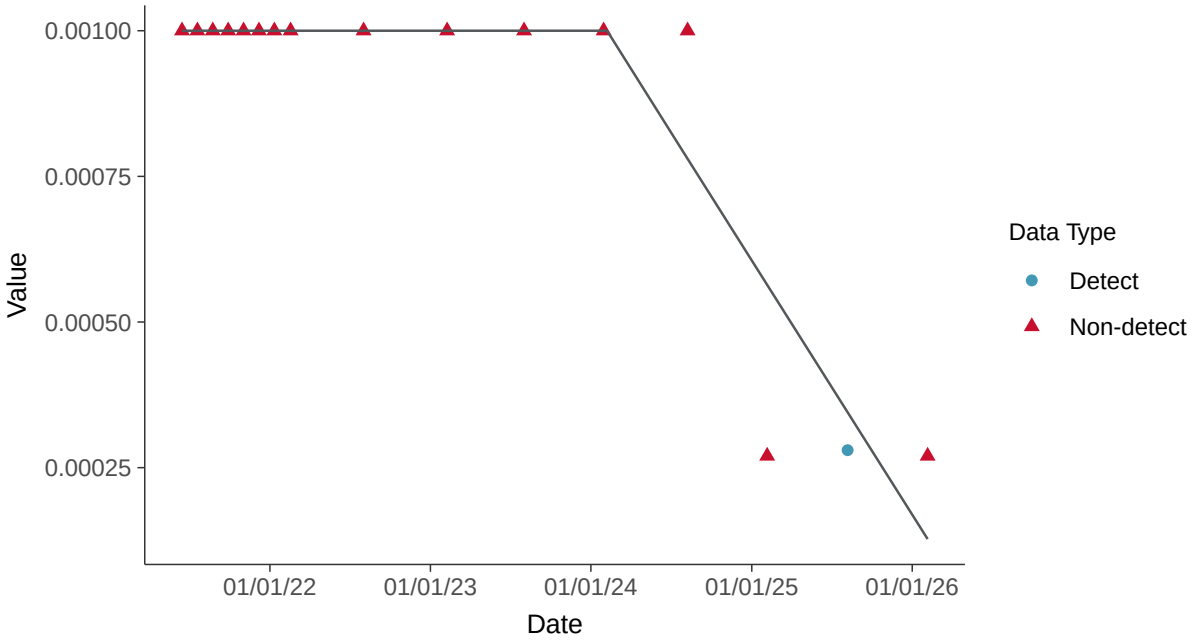
Boxplot by Season

Beryllium, MW-9 (mg/l)



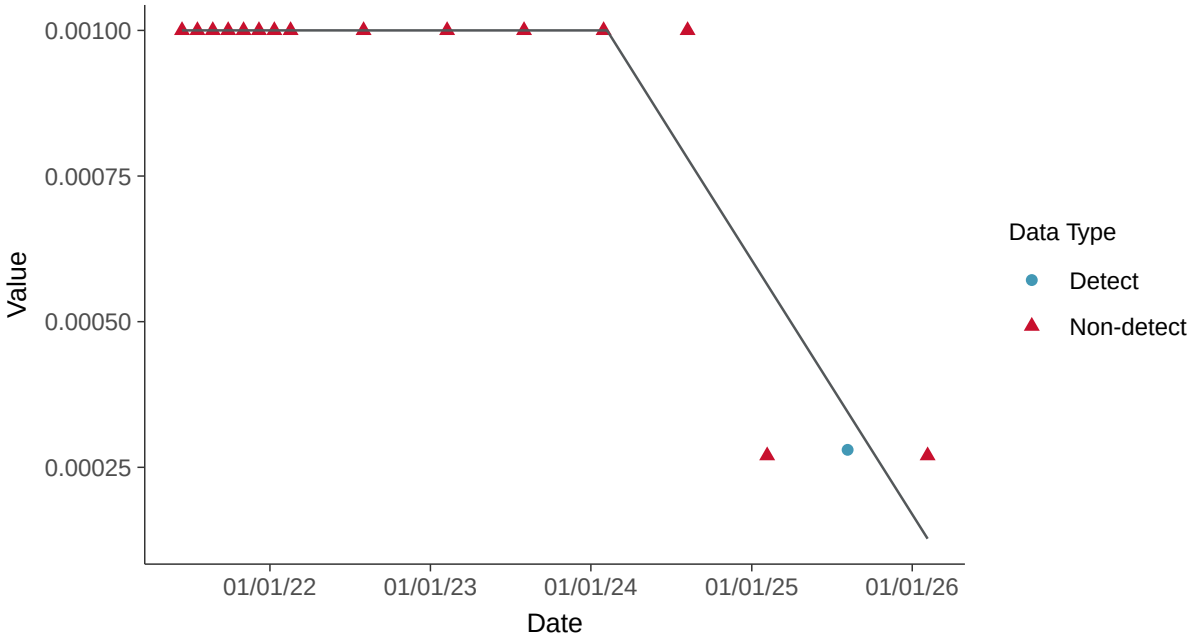
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-9 (mg/l)



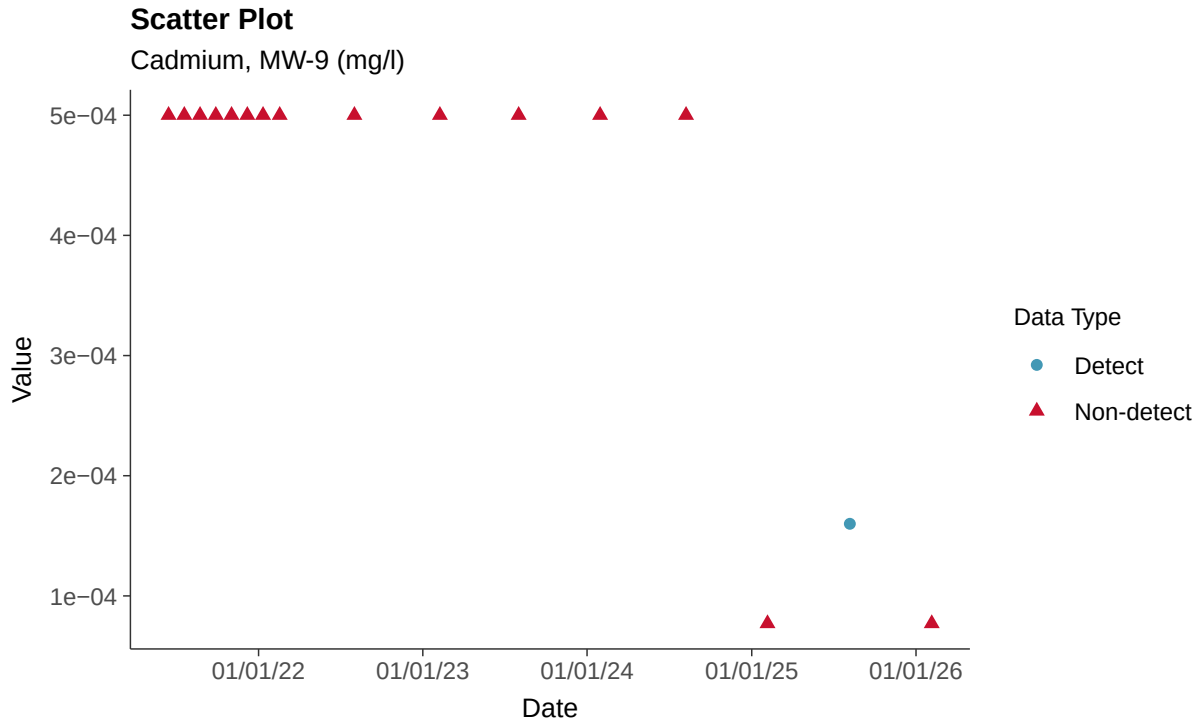
Trend Regression: Piecewise Linear-Linear-Linear

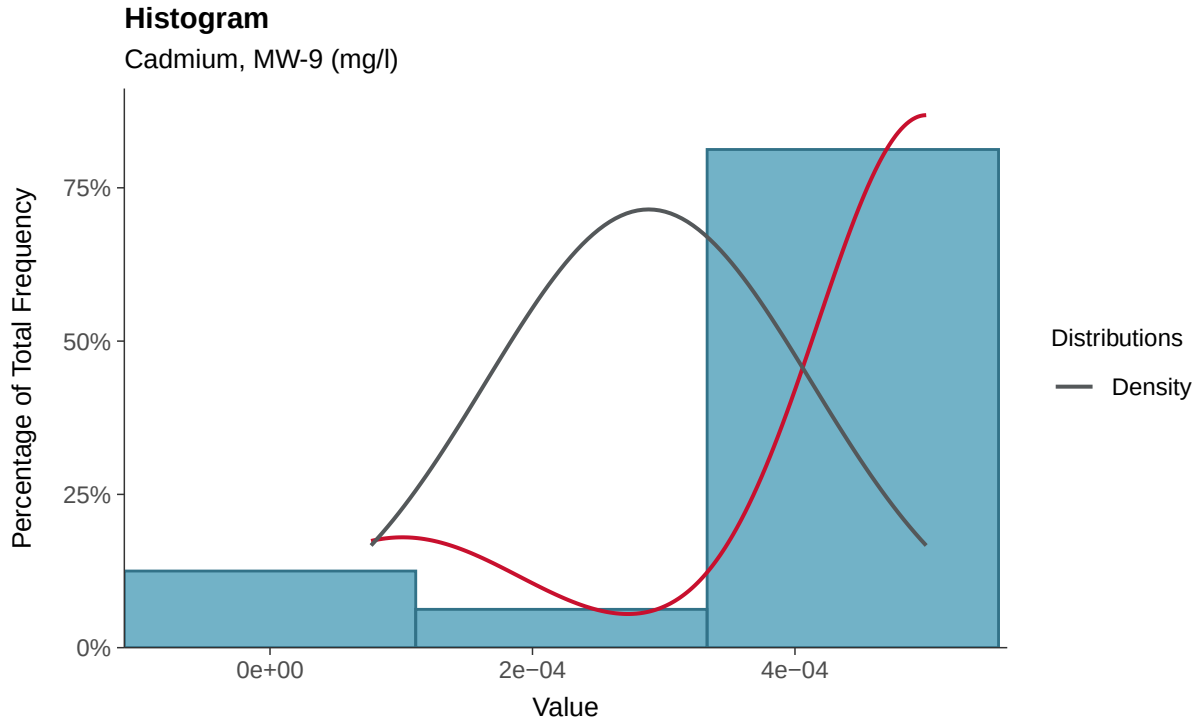
Beryllium, MW-9 (mg/l)



Appendix IV: Cadmium, MW-9

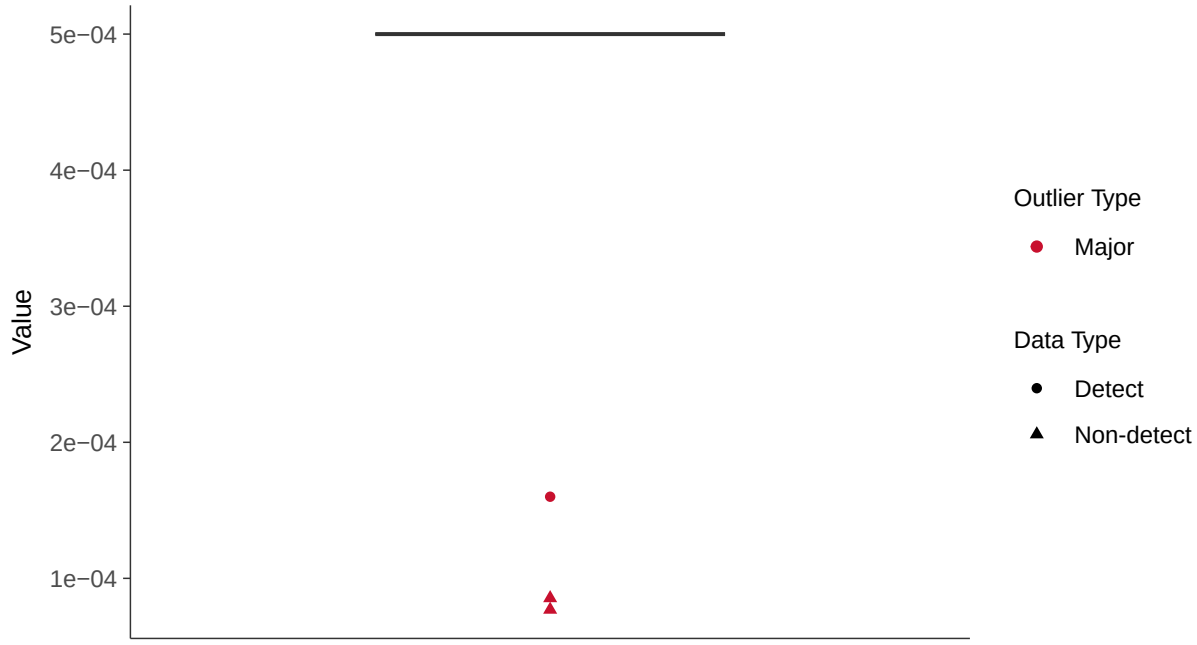
ID: 18_3_106





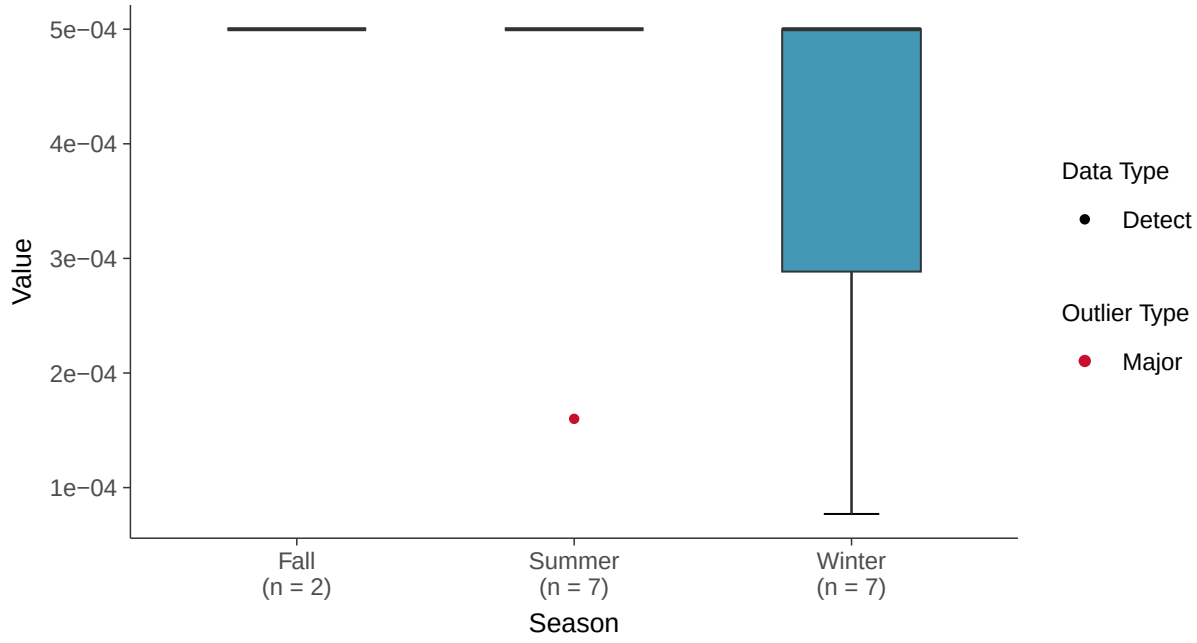
Boxplot

Cadmium, MW-9 (mg/l)



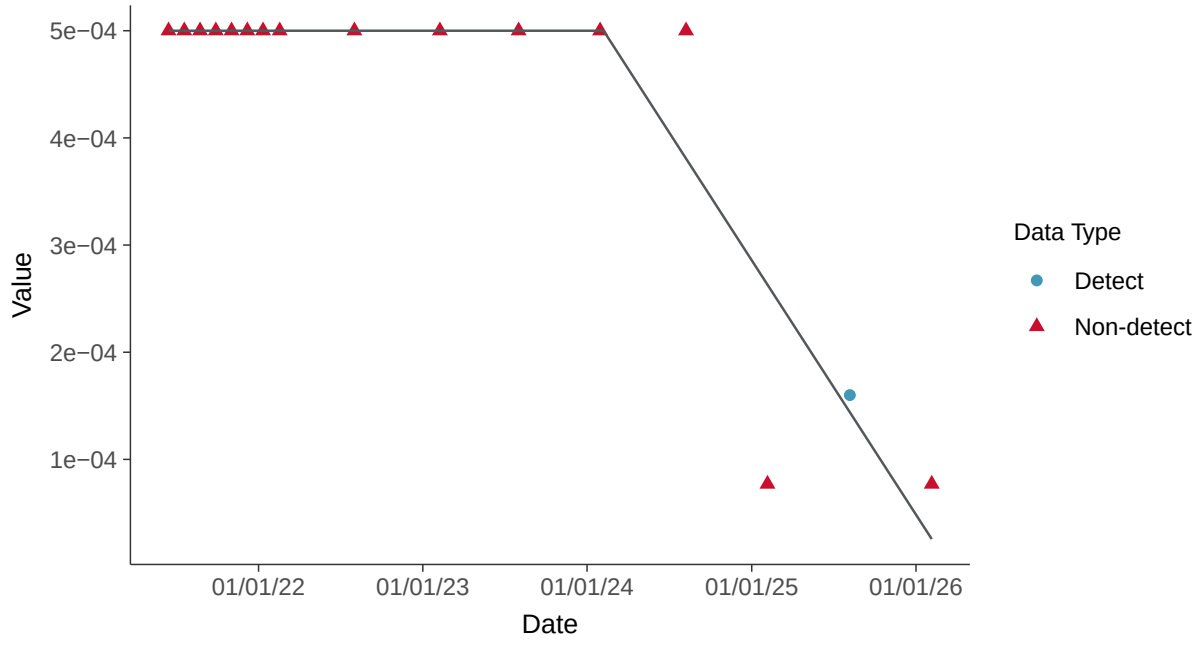
Boxplot by Season

Cadmium, MW-9 (mg/l)



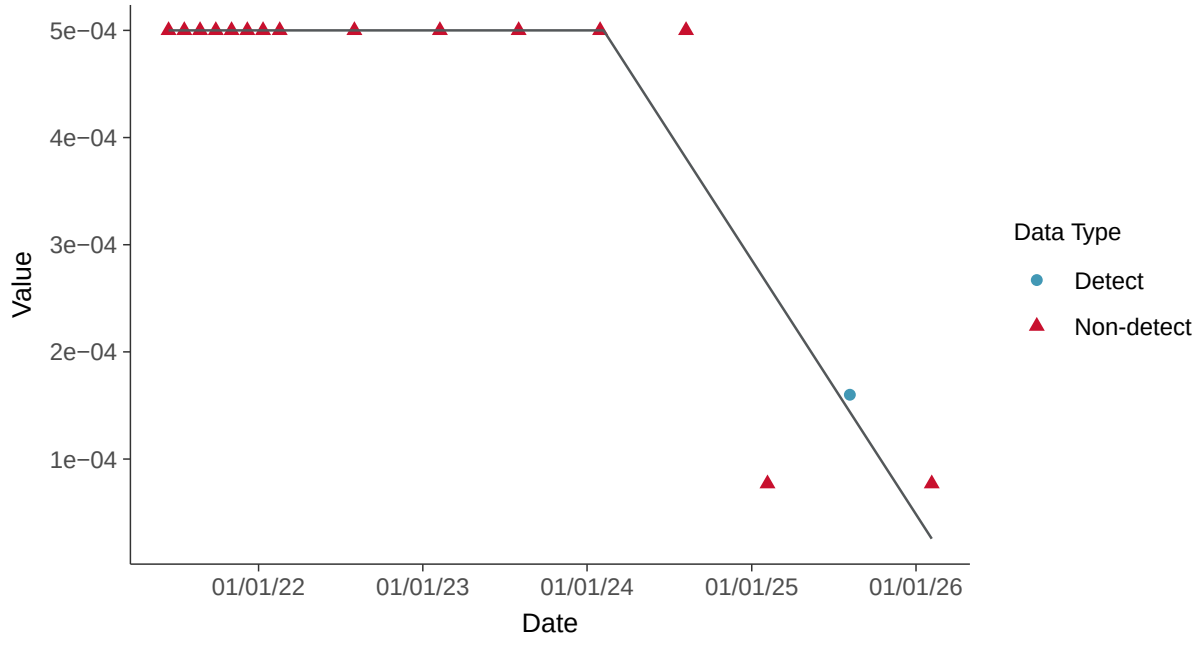
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-9 (mg/l)



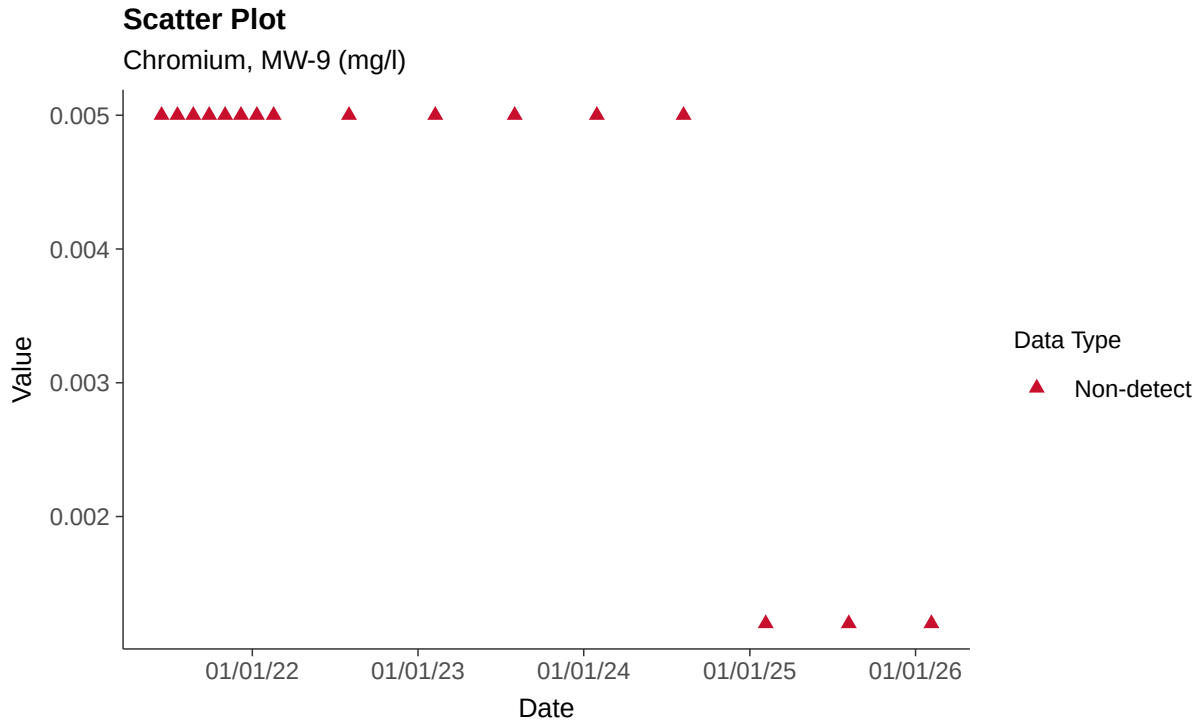
Trend Regression: Piecewise Linear-Linear-Linear

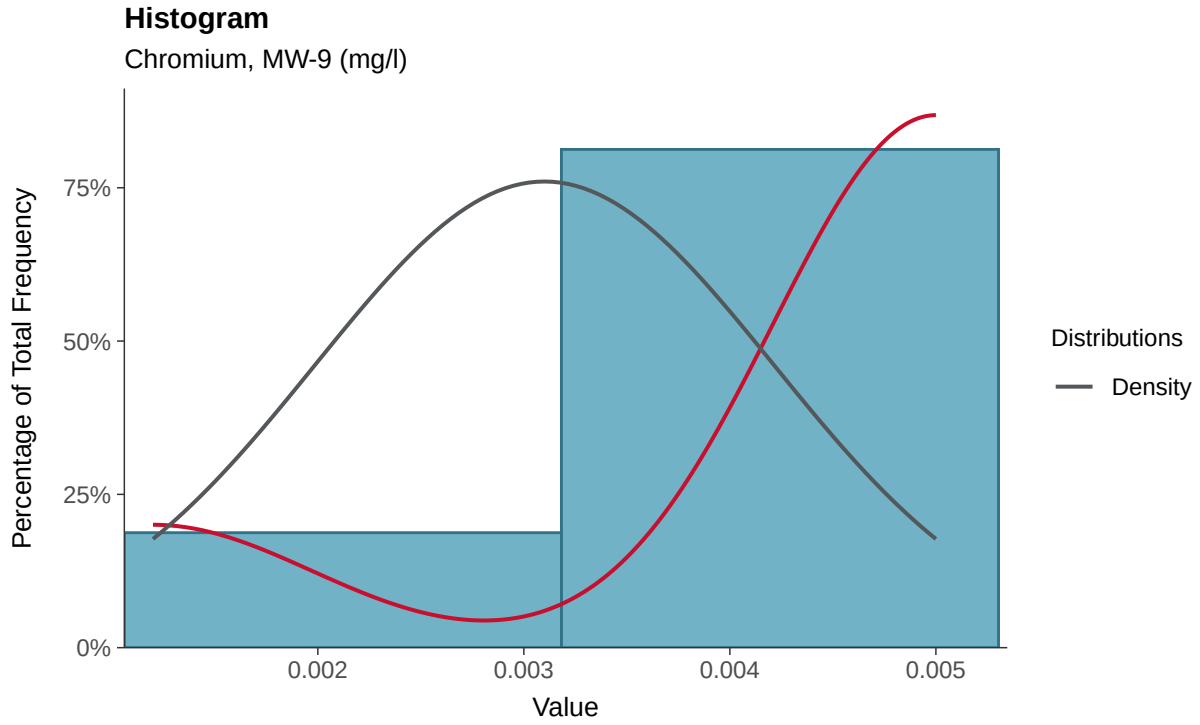
Cadmium, MW-9 (mg/l)



Appendix IV: Chromium, MW-9

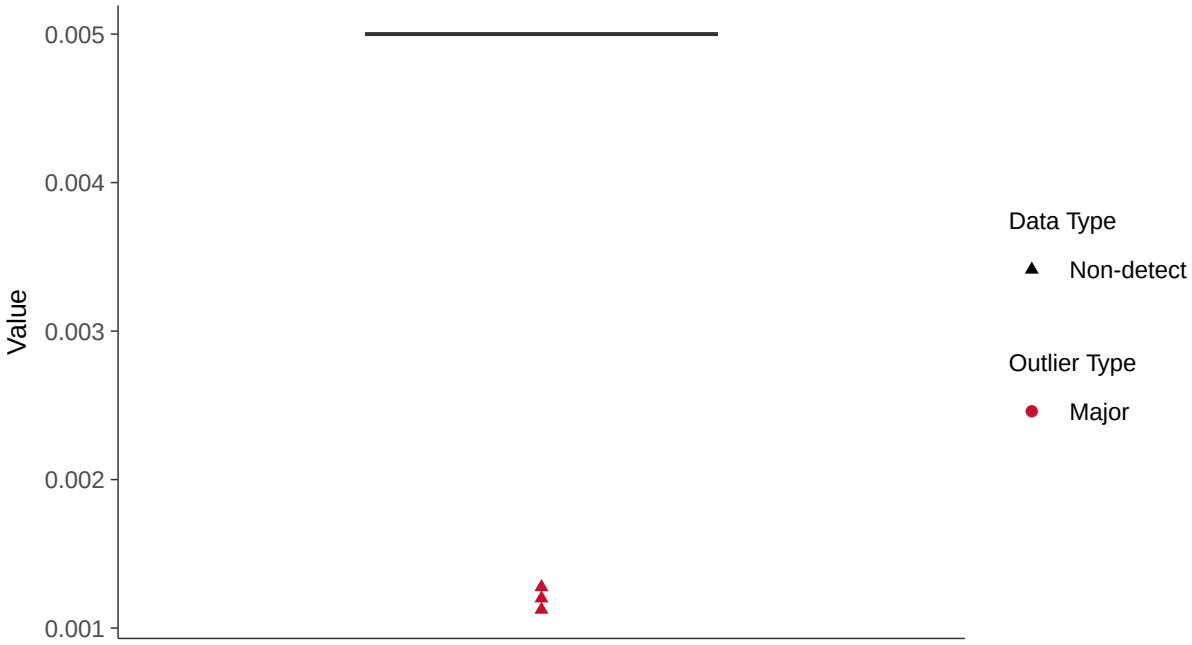
ID: 18_3_109





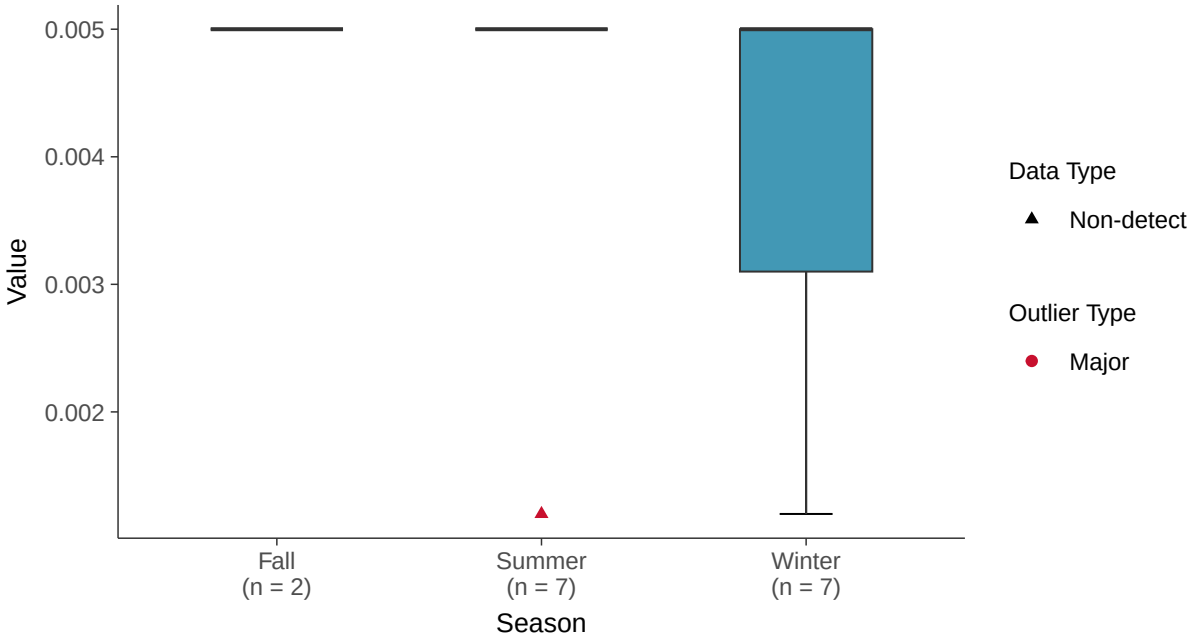
Boxplot

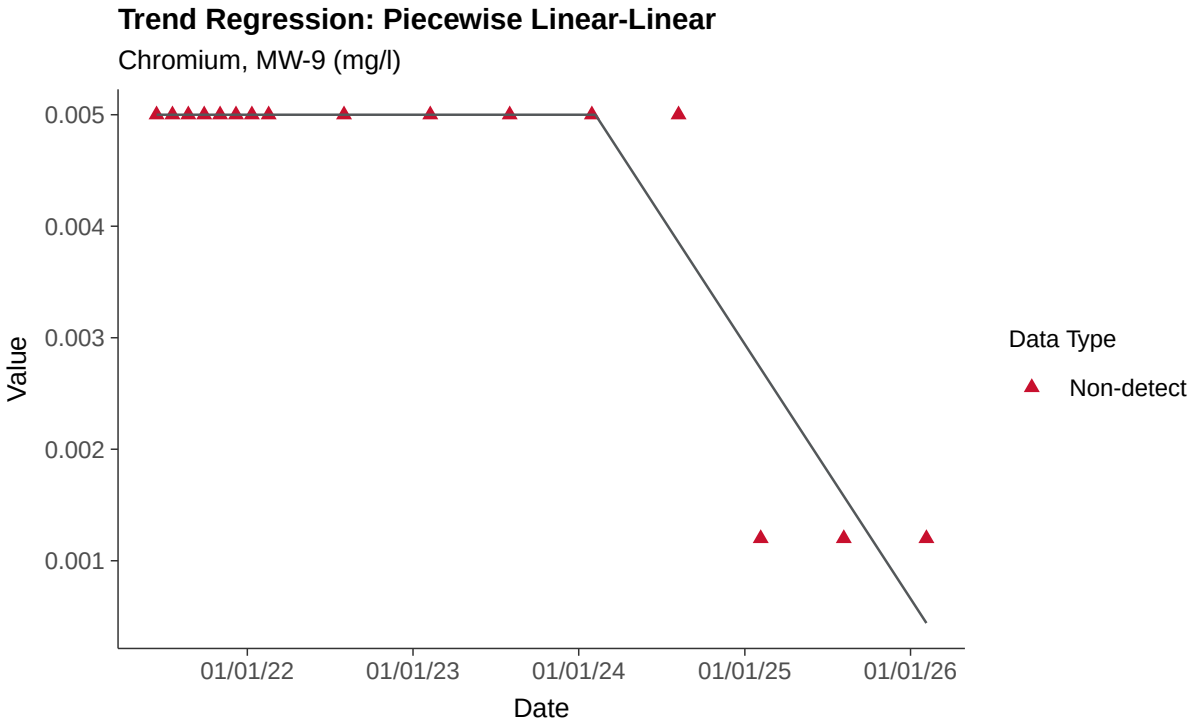
Chromium, MW-9 (mg/l)



Boxplot by Season

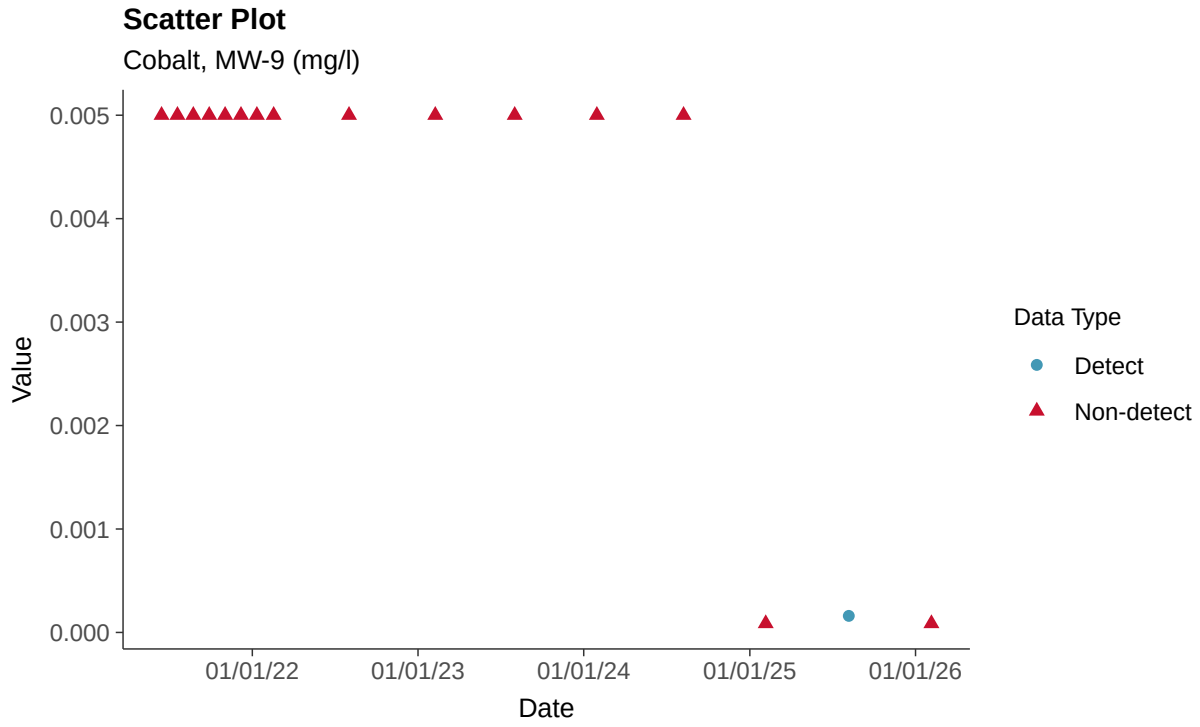
Chromium, MW-9 (mg/l)

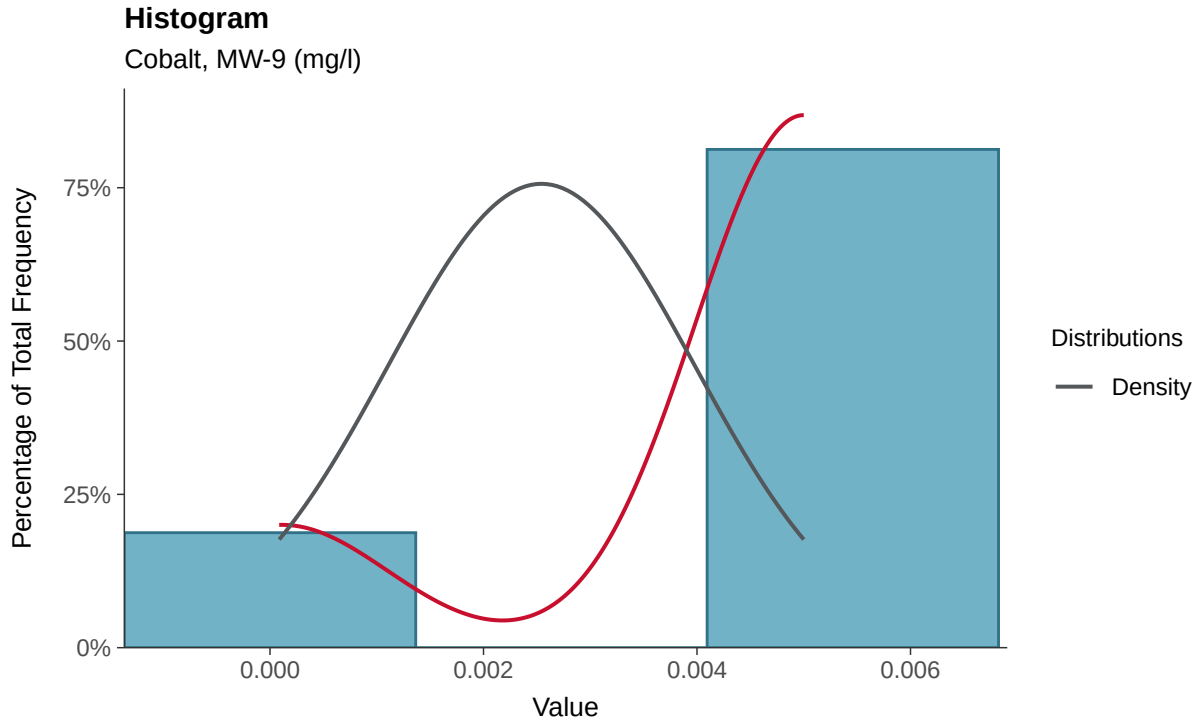



Trend Regression: Piecewise Linear-Linear
Chromium, MW-9 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cobalt, MW-9

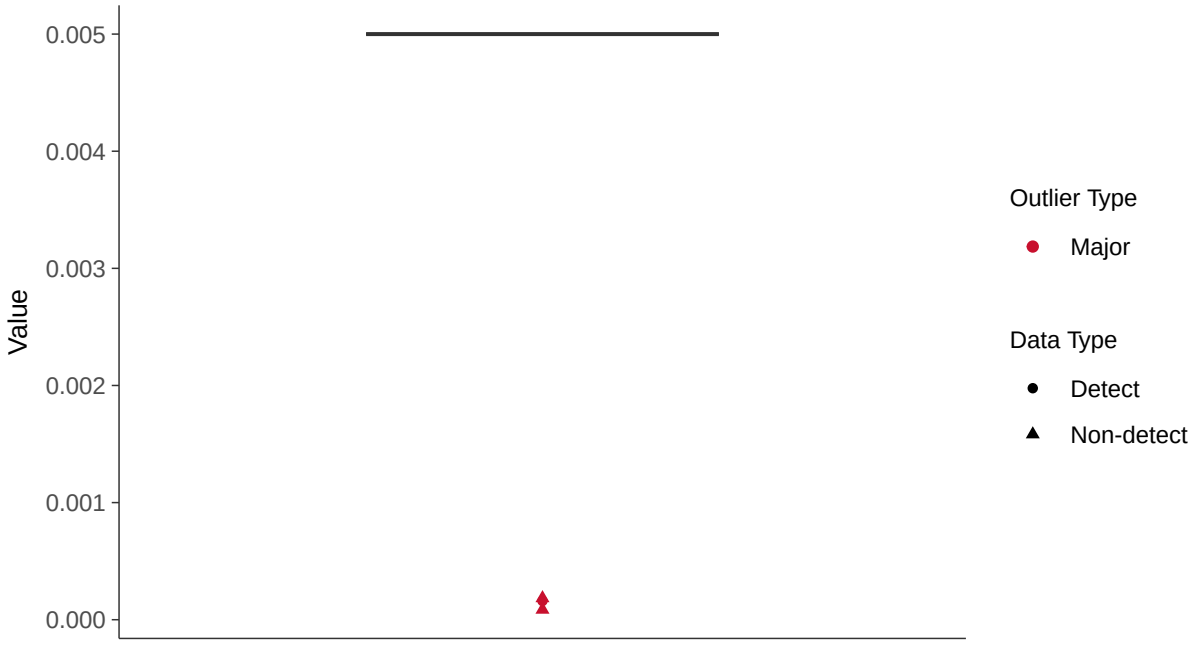
ID: 18_3_110





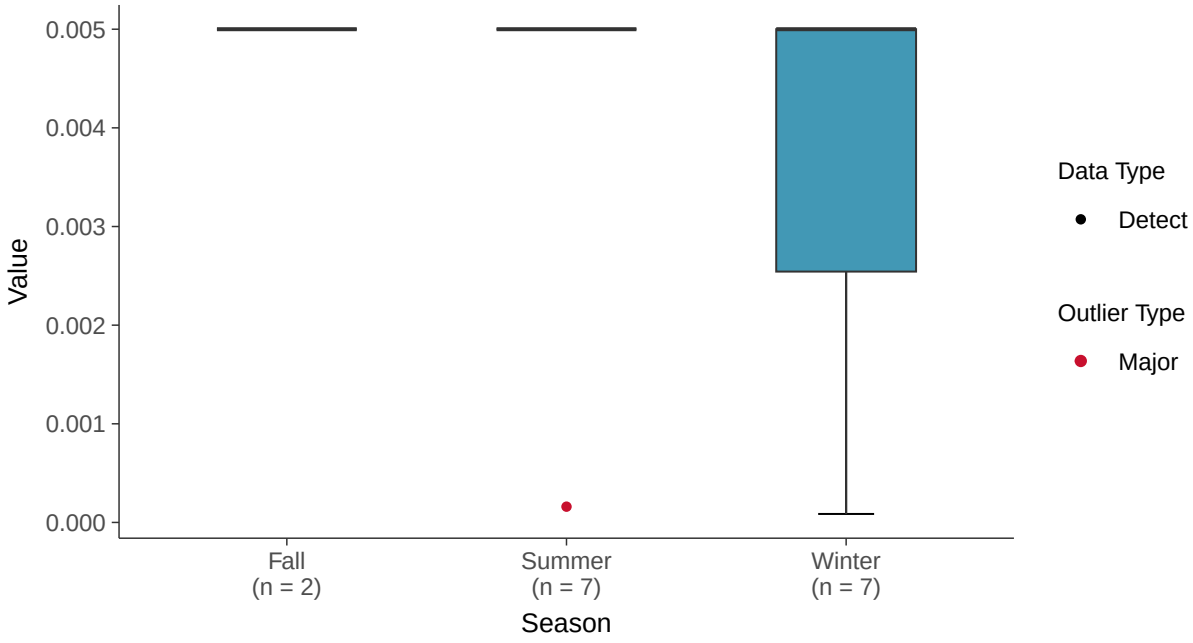
Boxplot

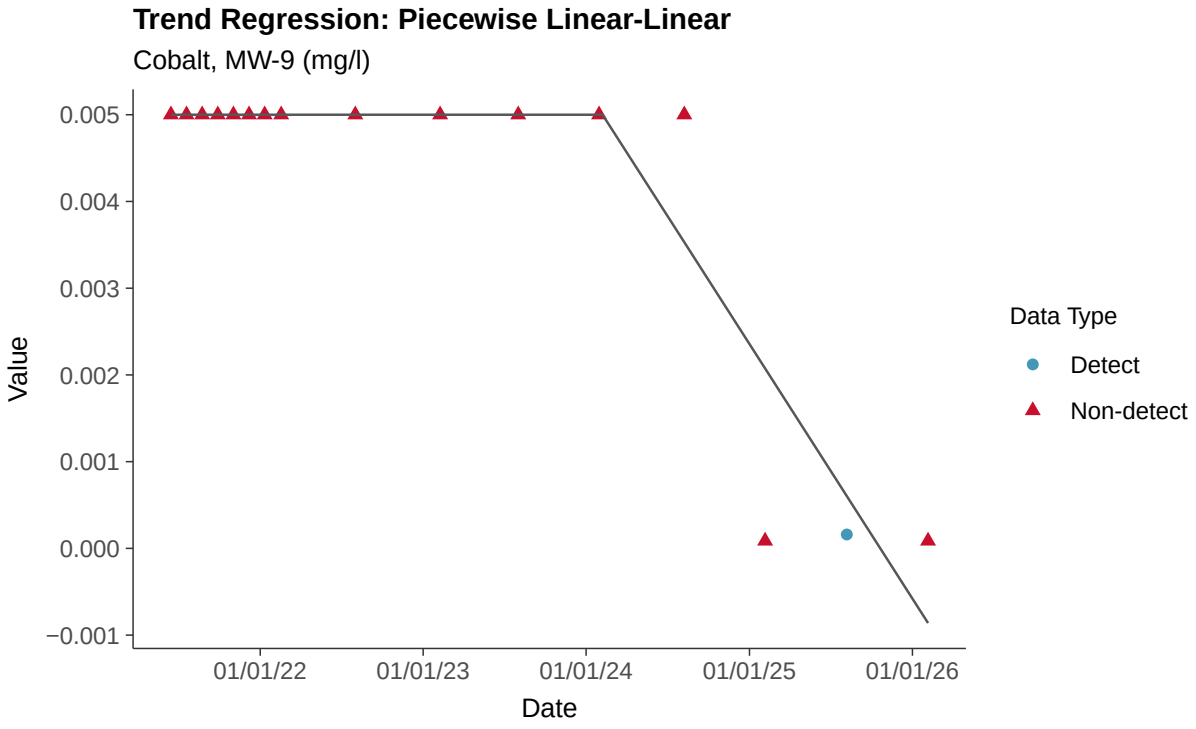
Cobalt, MW-9 (mg/l)



Boxplot by Season

Cobalt, MW-9 (mg/l)



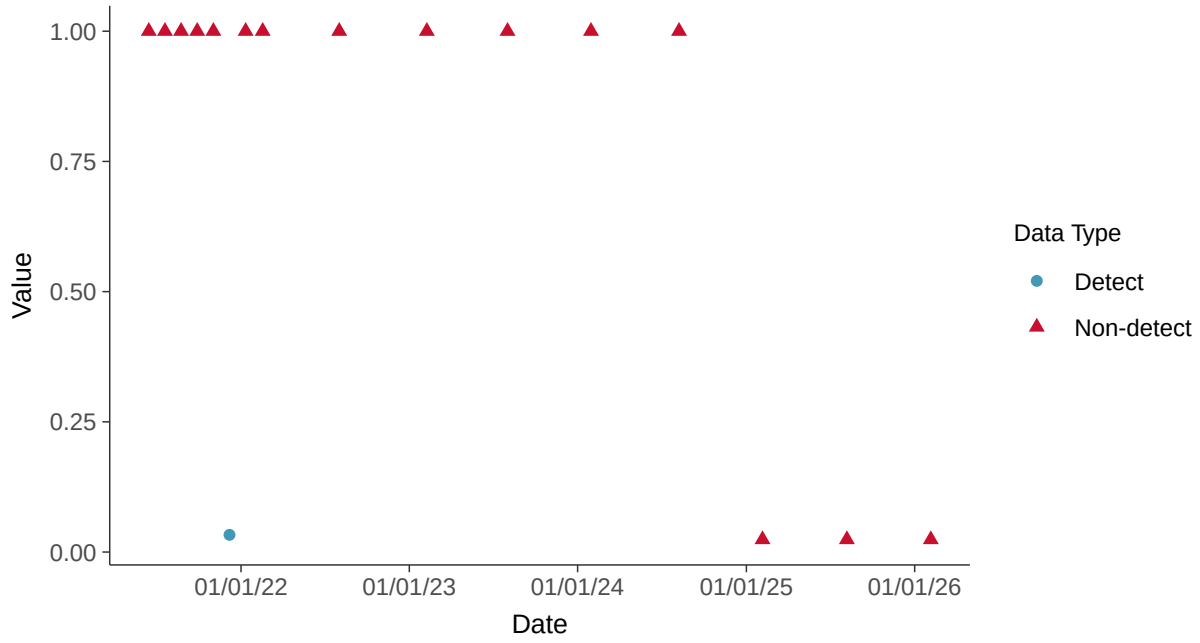

Trend Regression: Piecewise Linear-Linear
Cobalt, MW-9 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
−0.001
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Fluoride (App IV), MW-9

ID: 18_3_113

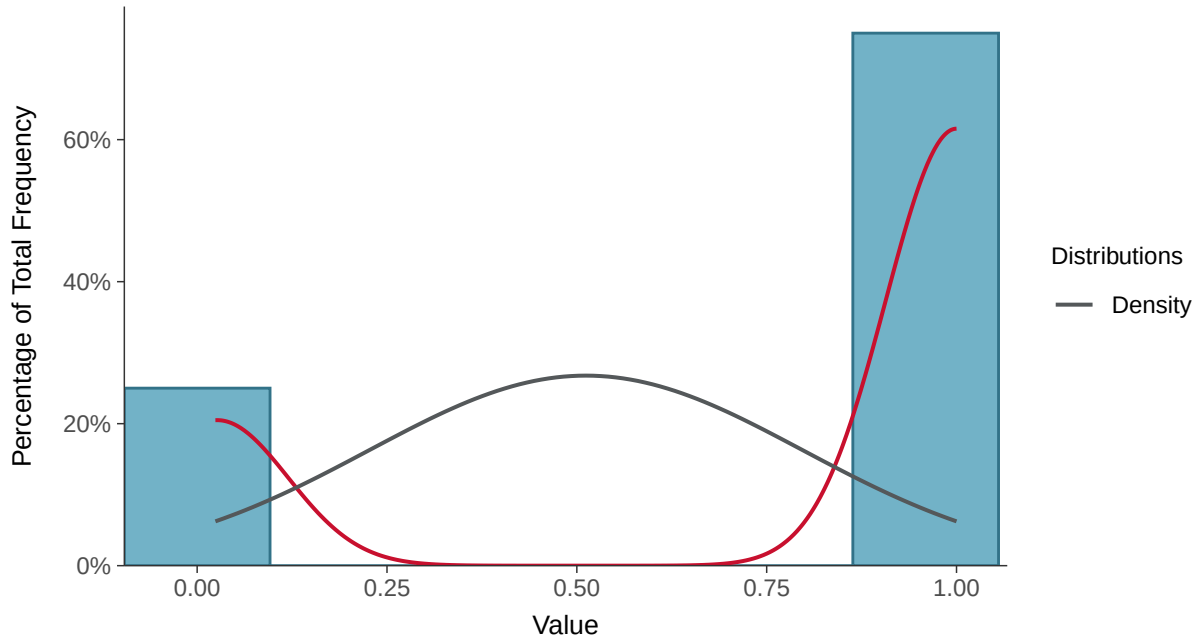
Scatter Plot

Fluoride (App IV), MW-9 (mg/l)



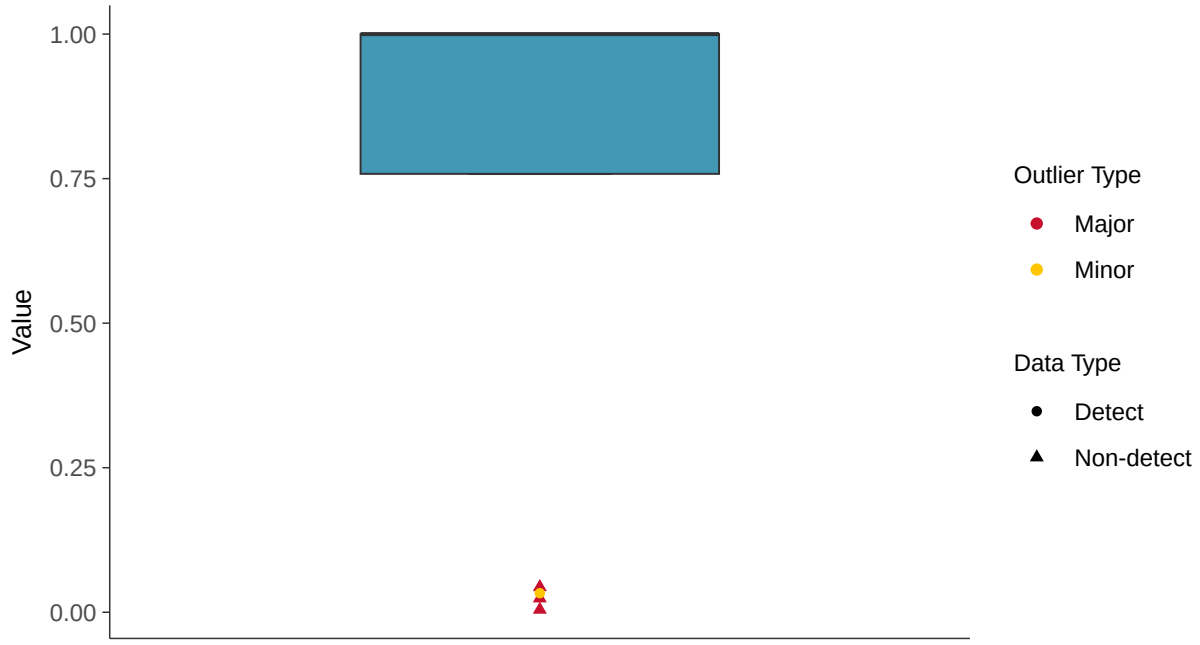
Histogram

Fluoride (App IV), MW-9 (mg/l)



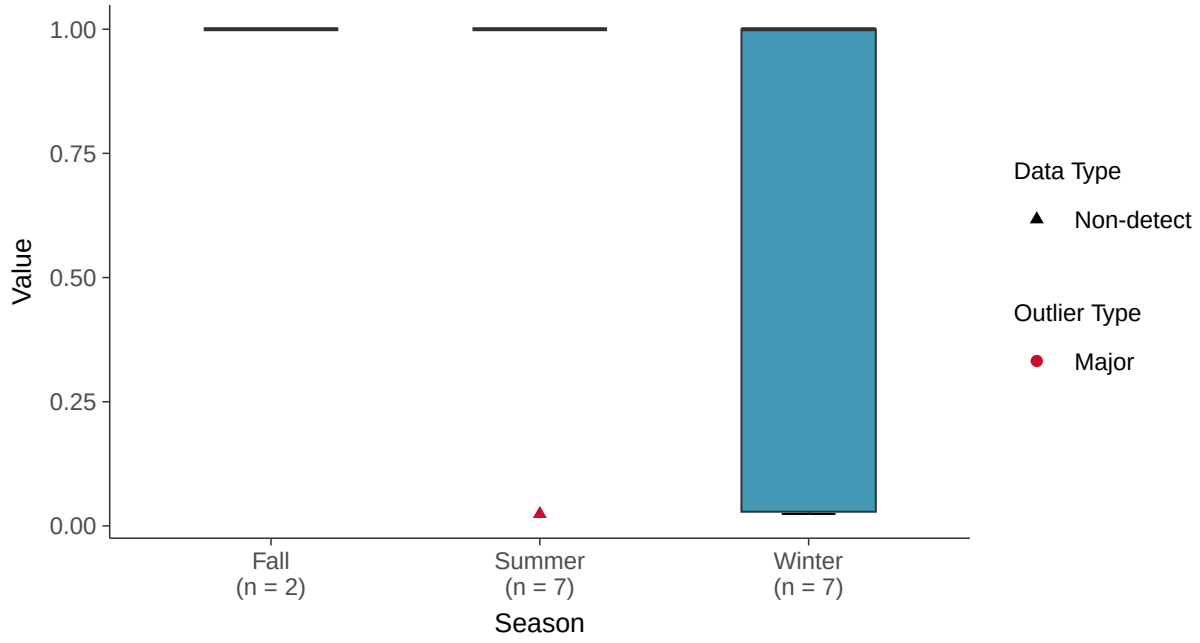
Boxplot

Fluoride (App IV), MW-9 (mg/l)



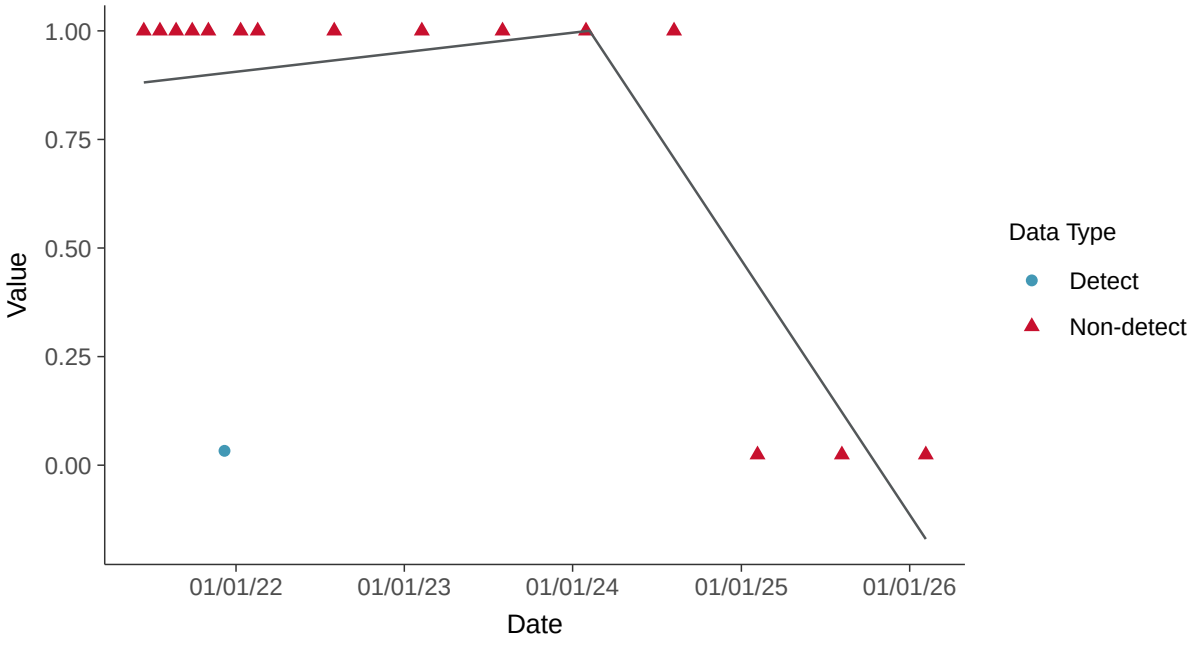
Boxplot by Season

Fluoride (App IV), MW-9 (mg/l)



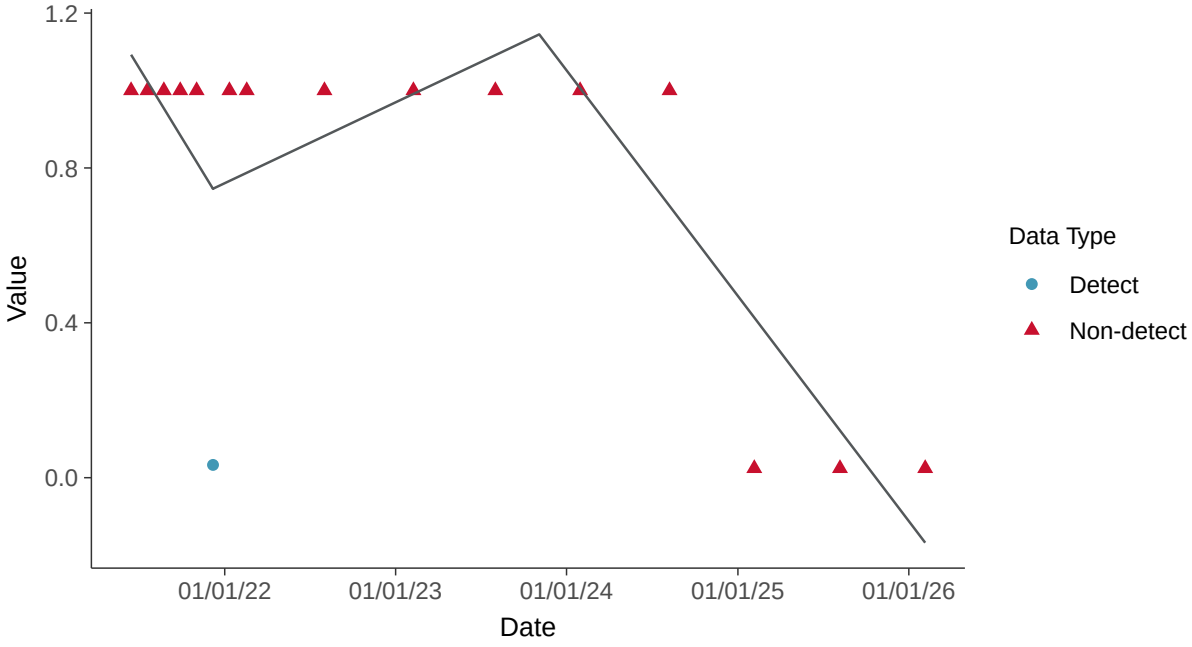
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-9 (mg/l)



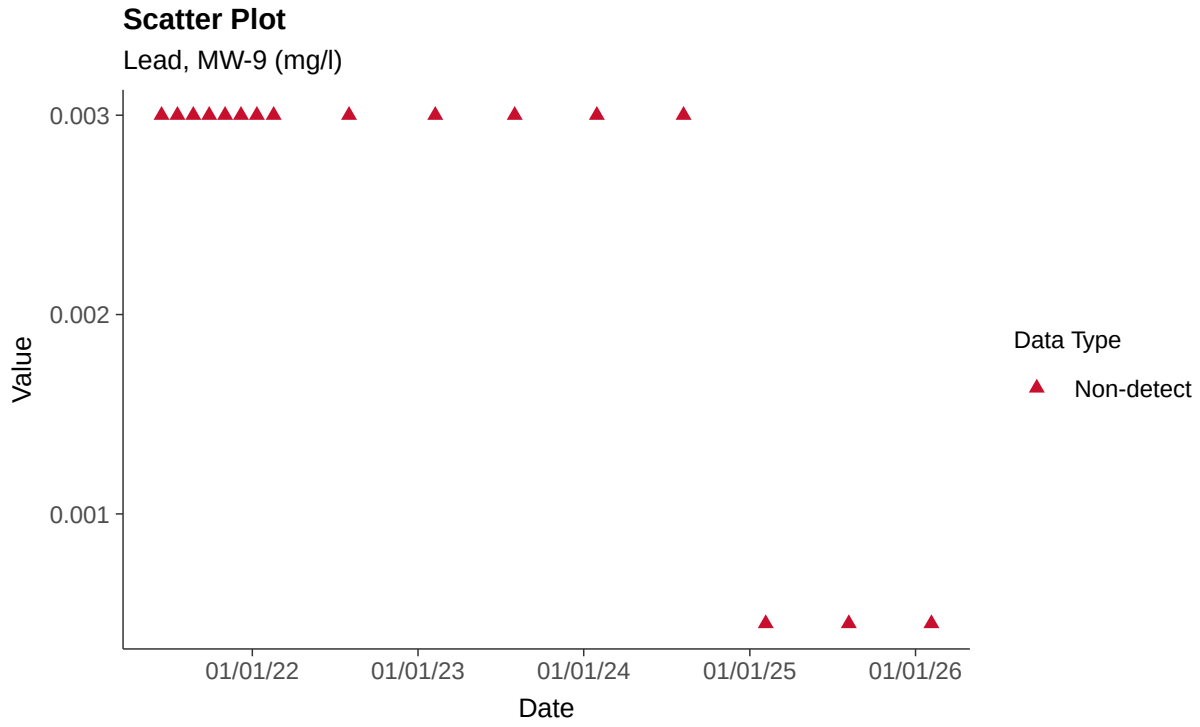
Trend Regression: Piecewise Linear-Linear-Linear

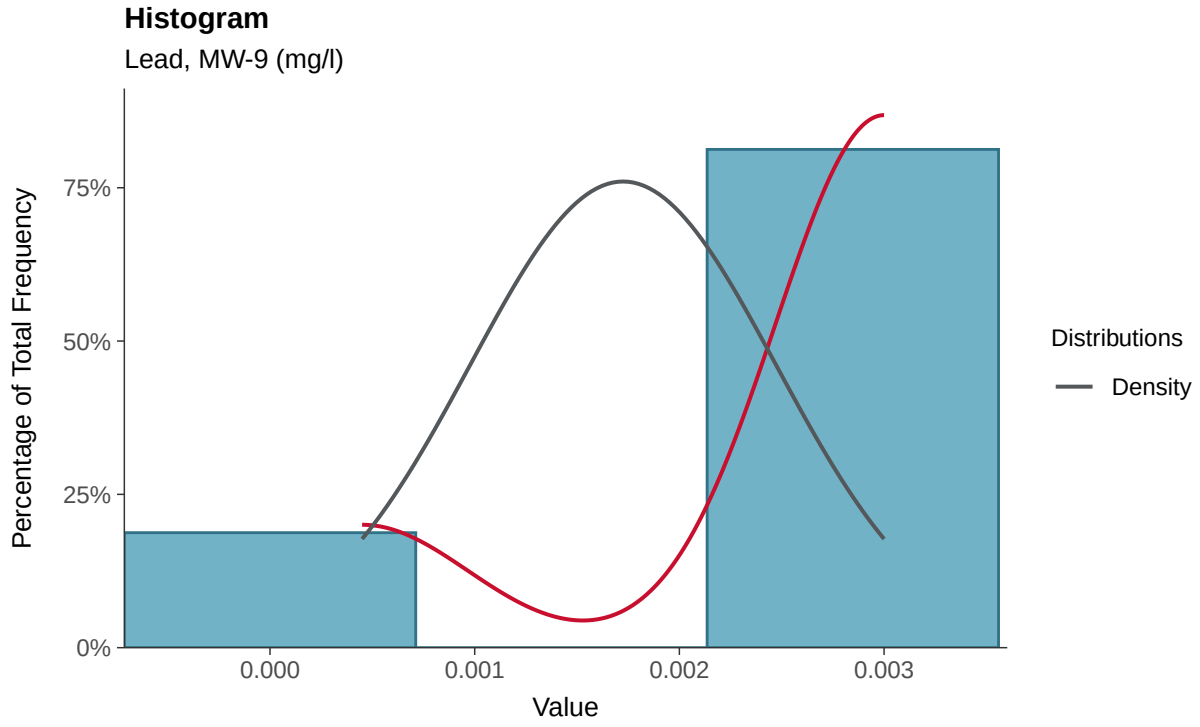
Fluoride (App IV), MW-9 (mg/l)



Appendix IV: Lead, MW-9

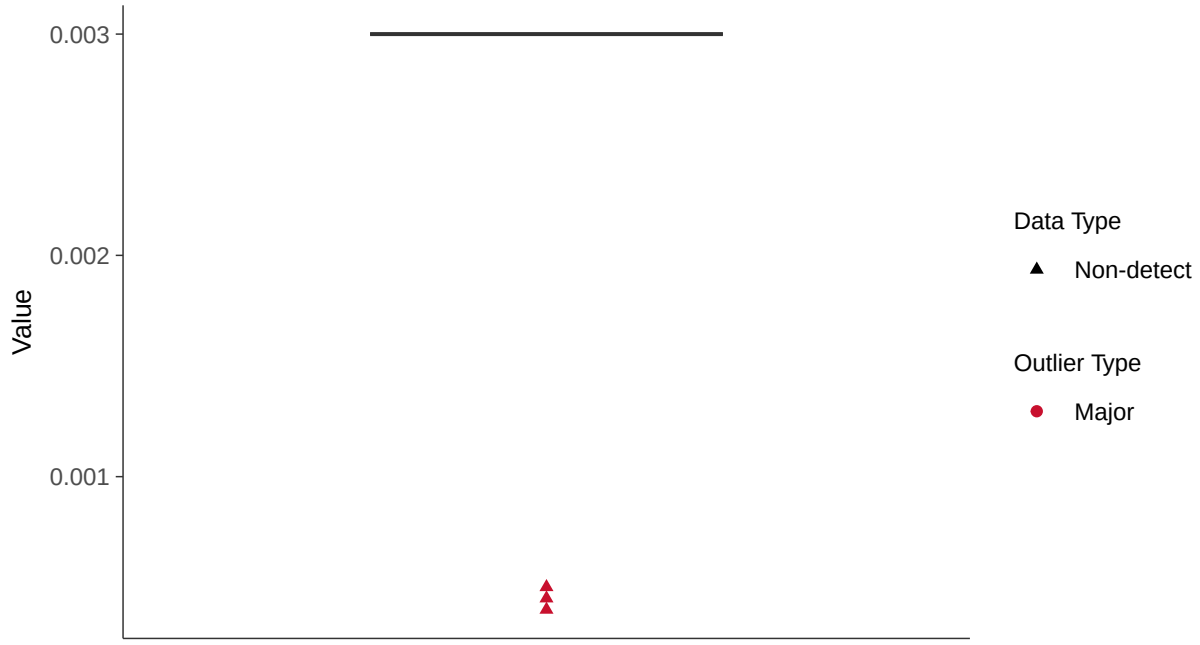
ID: 18_3_115





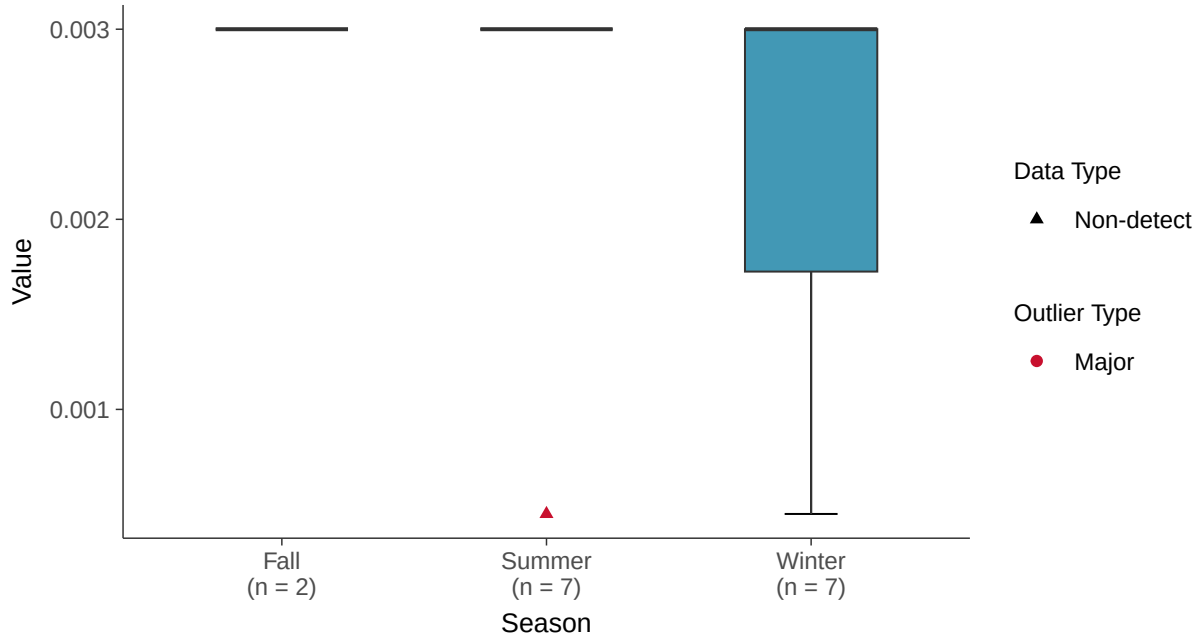
Boxplot

Lead, MW-9 (mg/l)



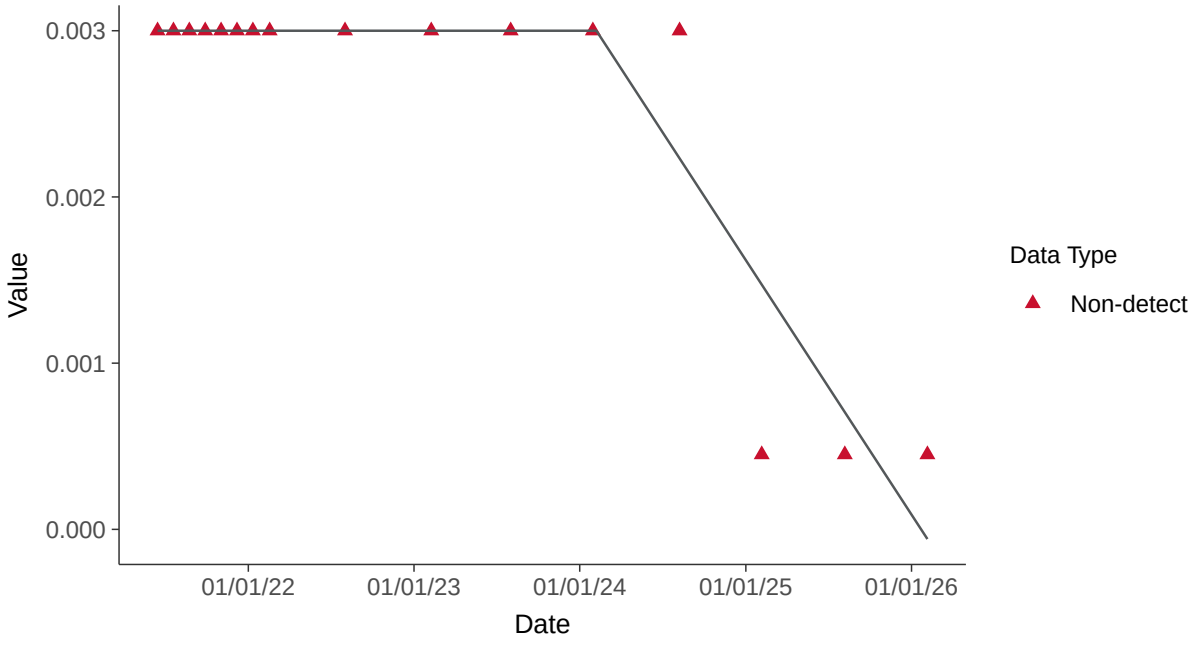
Boxplot by Season

Lead, MW-9 (mg/l)



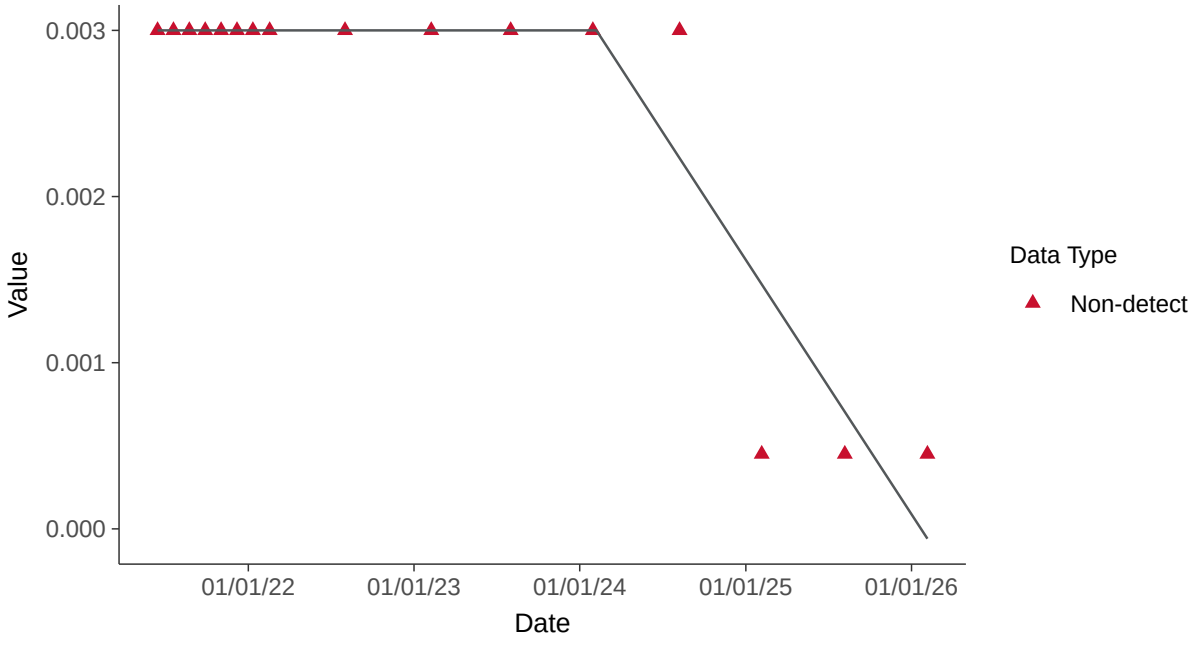
Trend Regression: Piecewise Linear-Linear

Lead, MW-9 (mg/l)



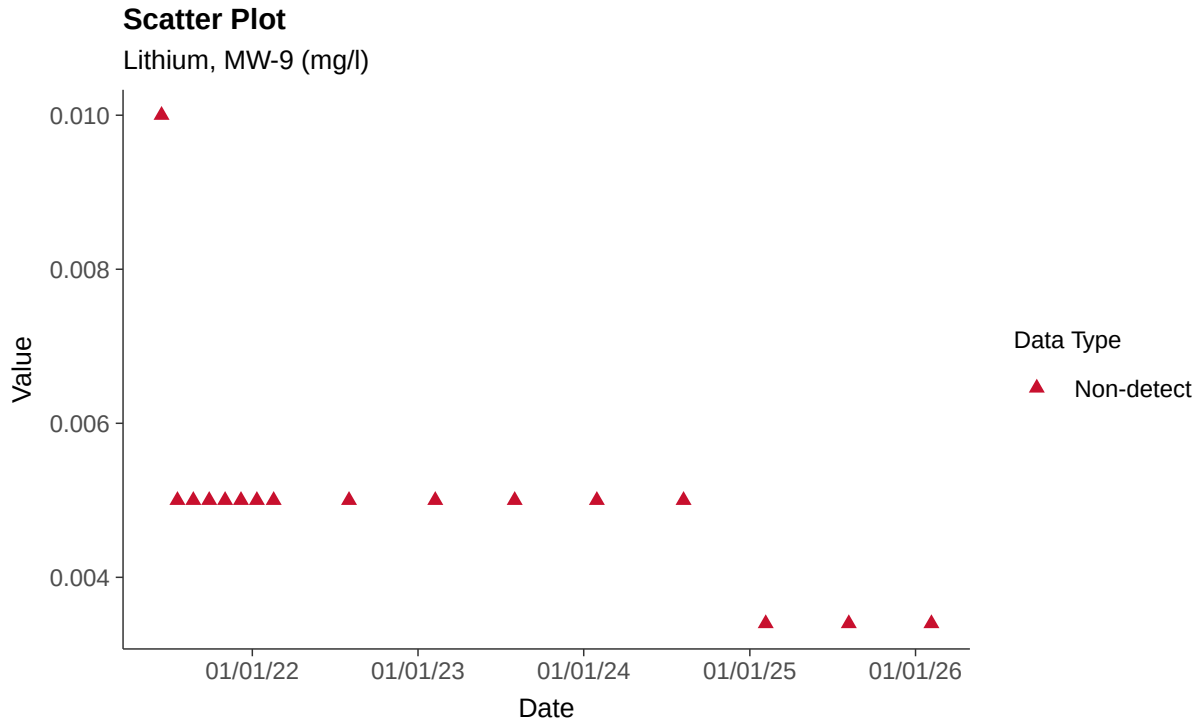
Trend Regression: Piecewise Linear-Linear-Linear

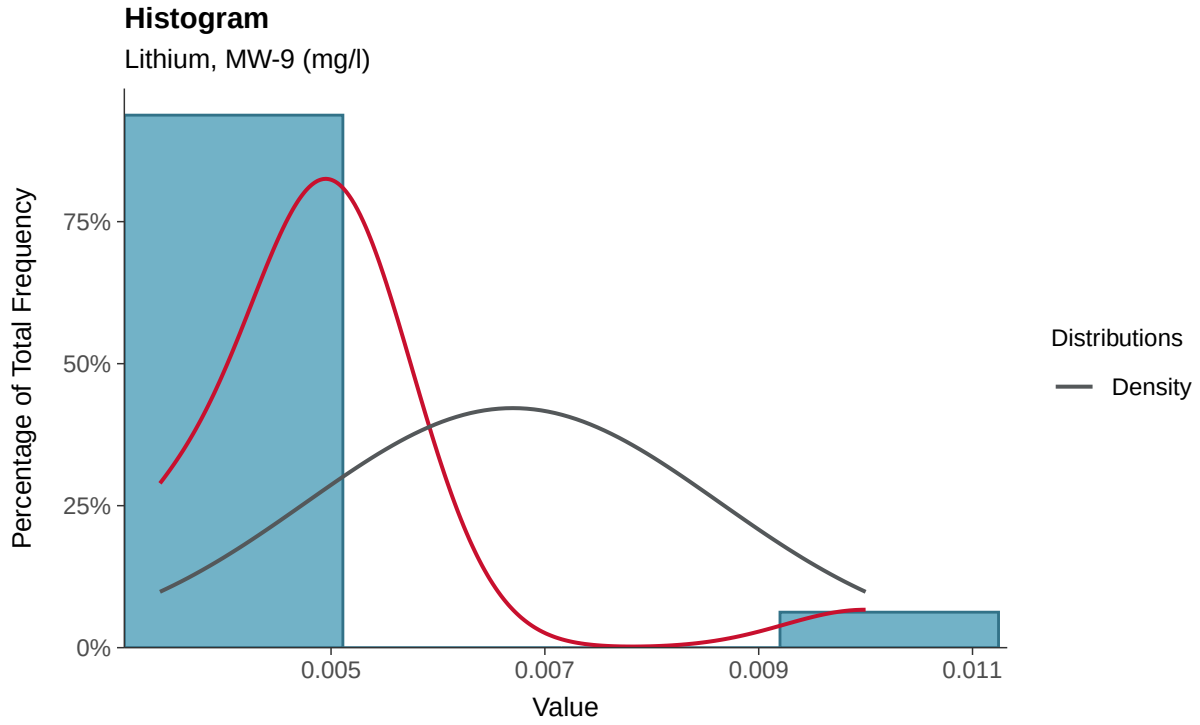
Lead, MW-9 (mg/l)



Appendix IV: Lithium, MW-9

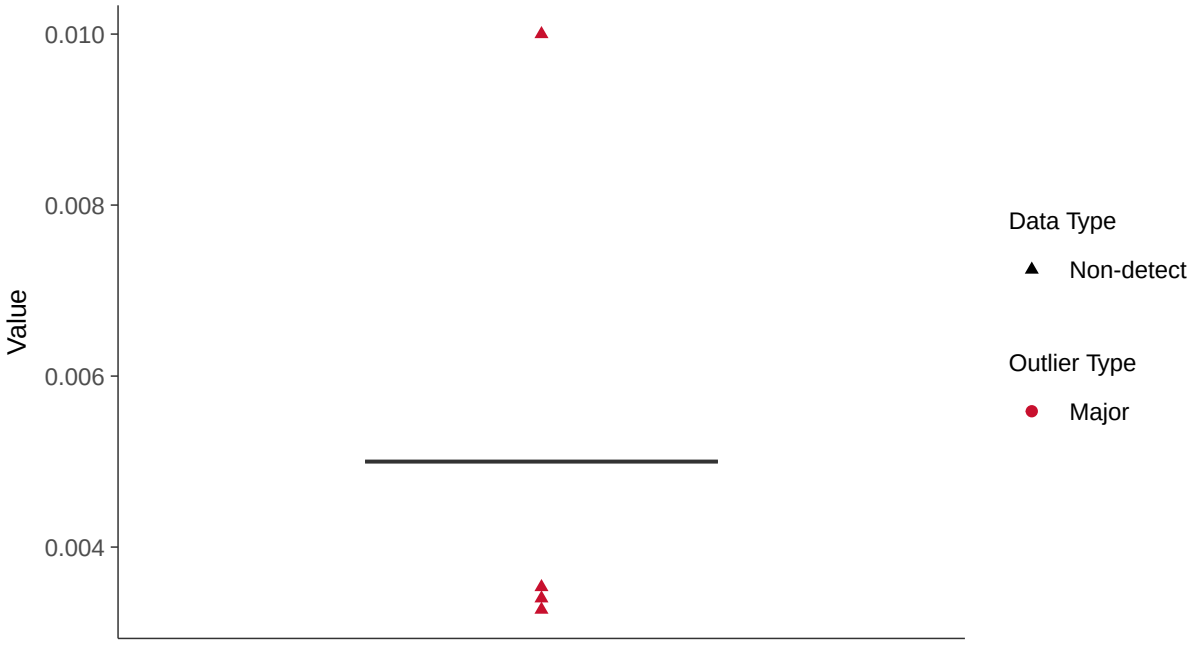
ID: 18_3_116





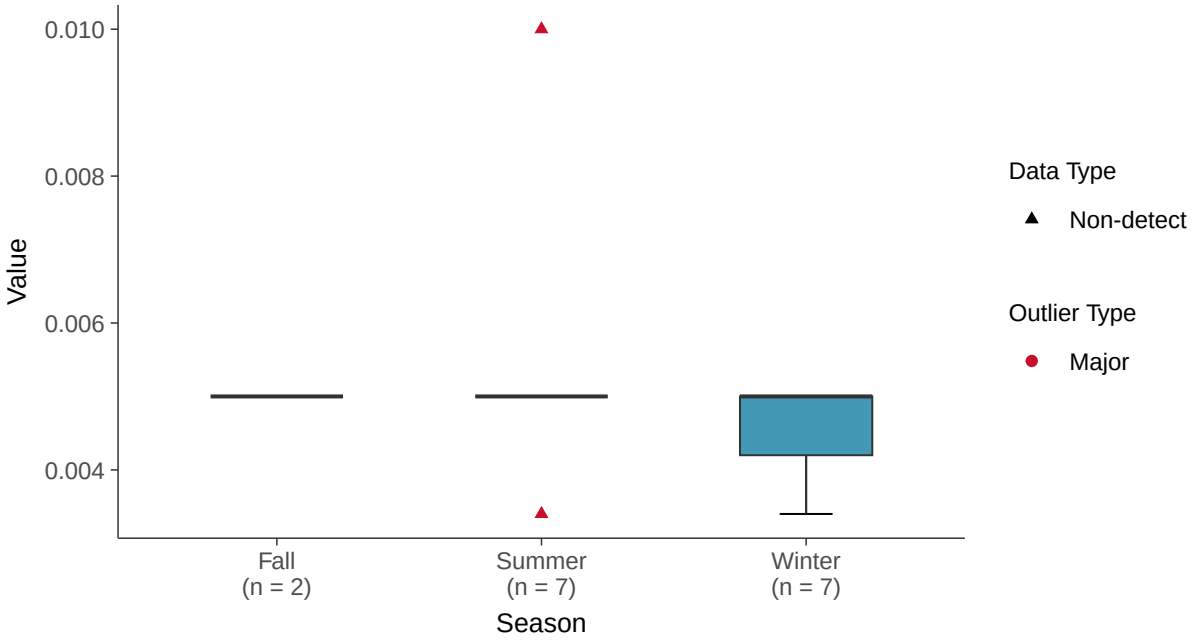
Boxplot

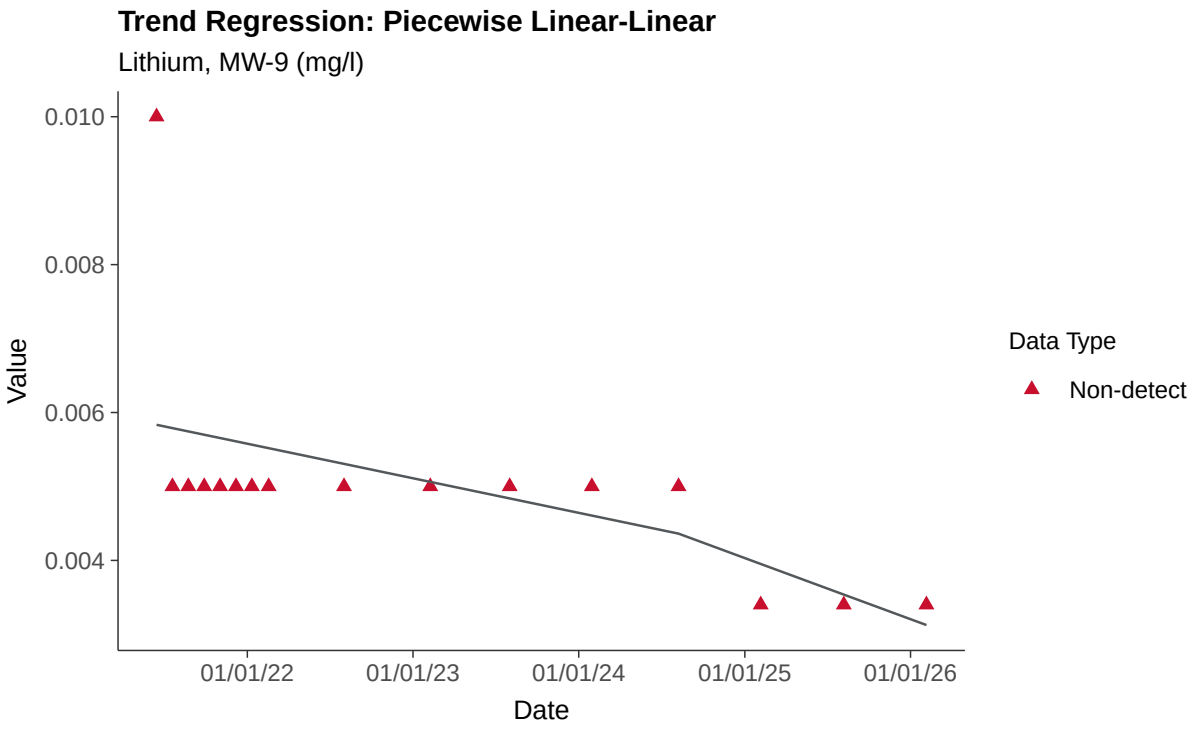
Lithium, MW-9 (mg/l)



Boxplot by Season

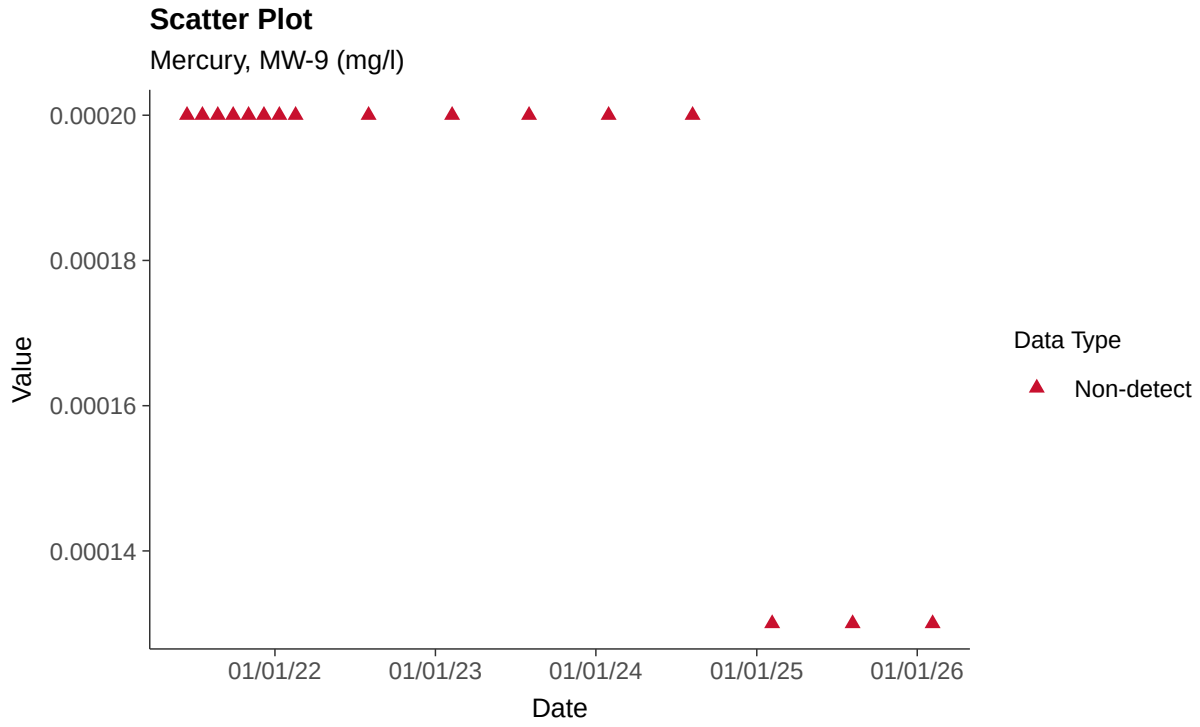
Lithium, MW-9 (mg/l)

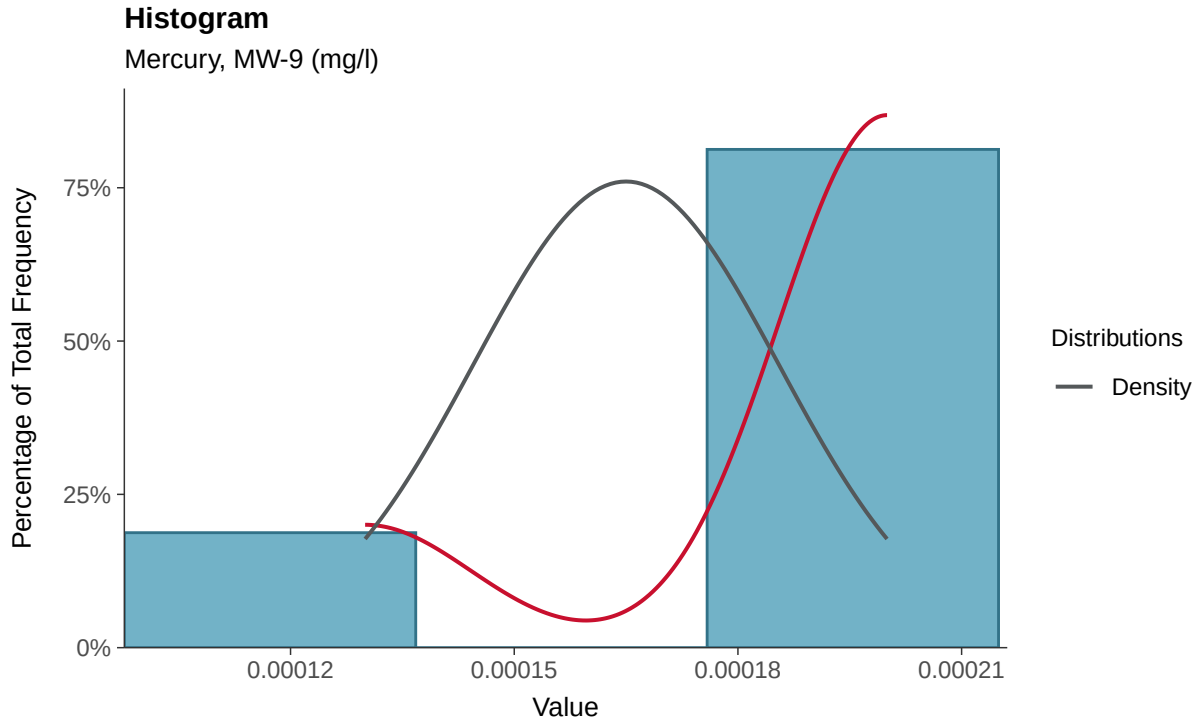



Trend Regression: Piecewise Linear-Linear
Lithium, MW-9 (mg/l)
0.010
0.008
0.006
0.004
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Mercury, MW-9

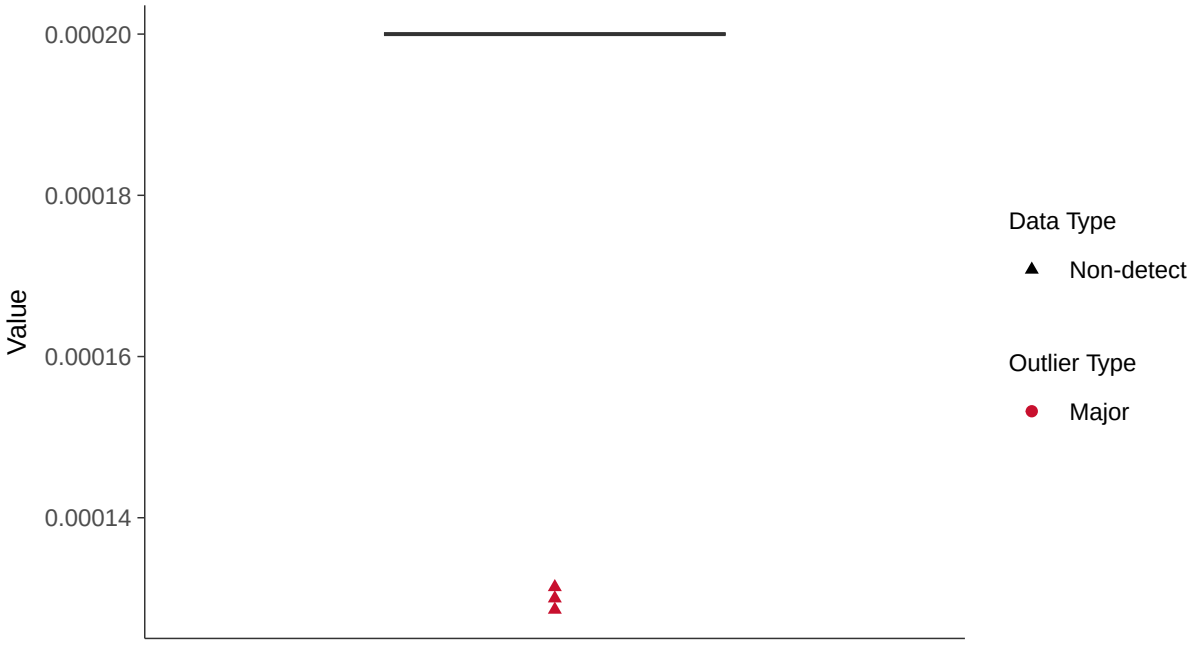
ID: 18_3_117





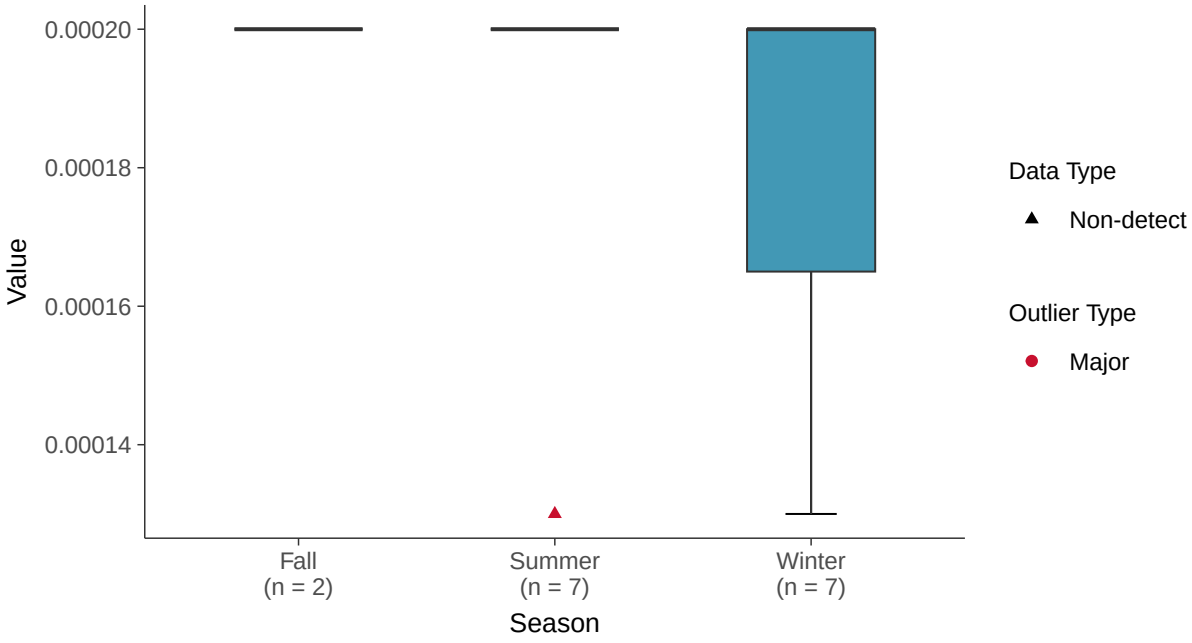
Boxplot

Mercury, MW-9 (mg/l)



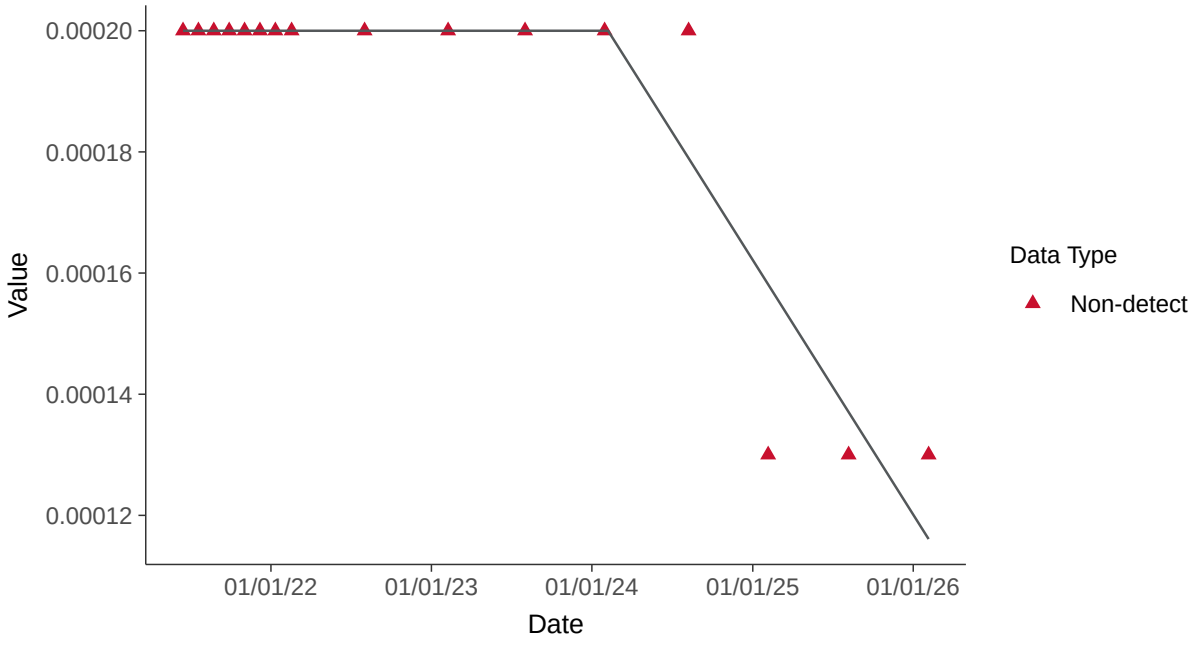
Boxplot by Season

Mercury, MW-9 (mg/l)



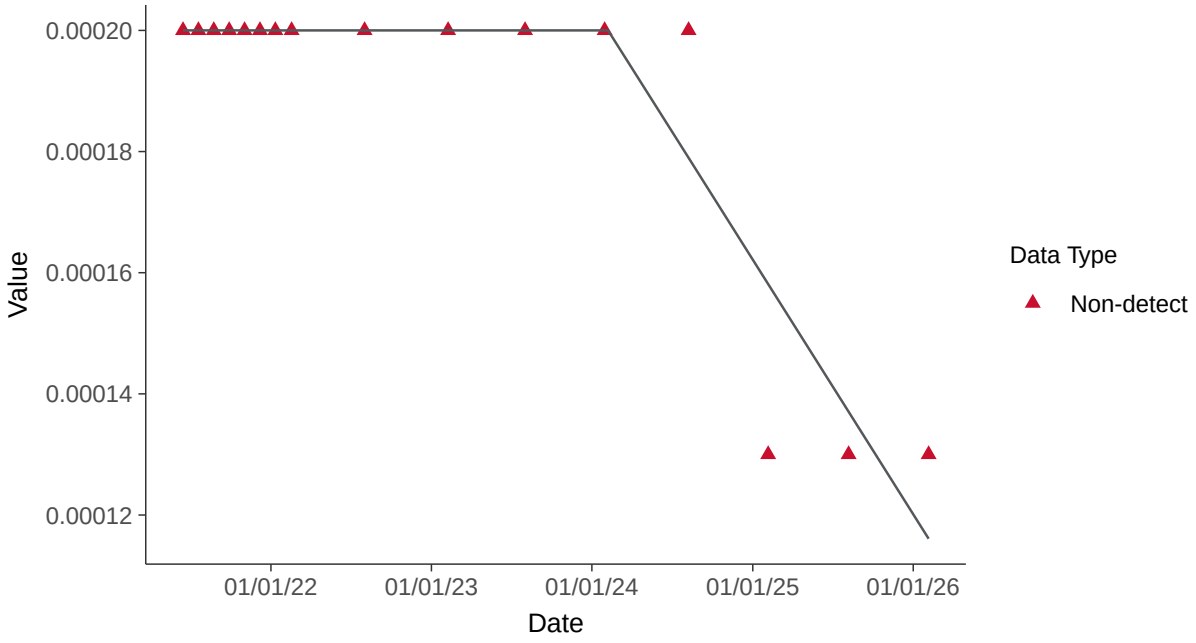
Trend Regression: Piecewise Linear-Linear

Mercury, MW-9 (mg/l)



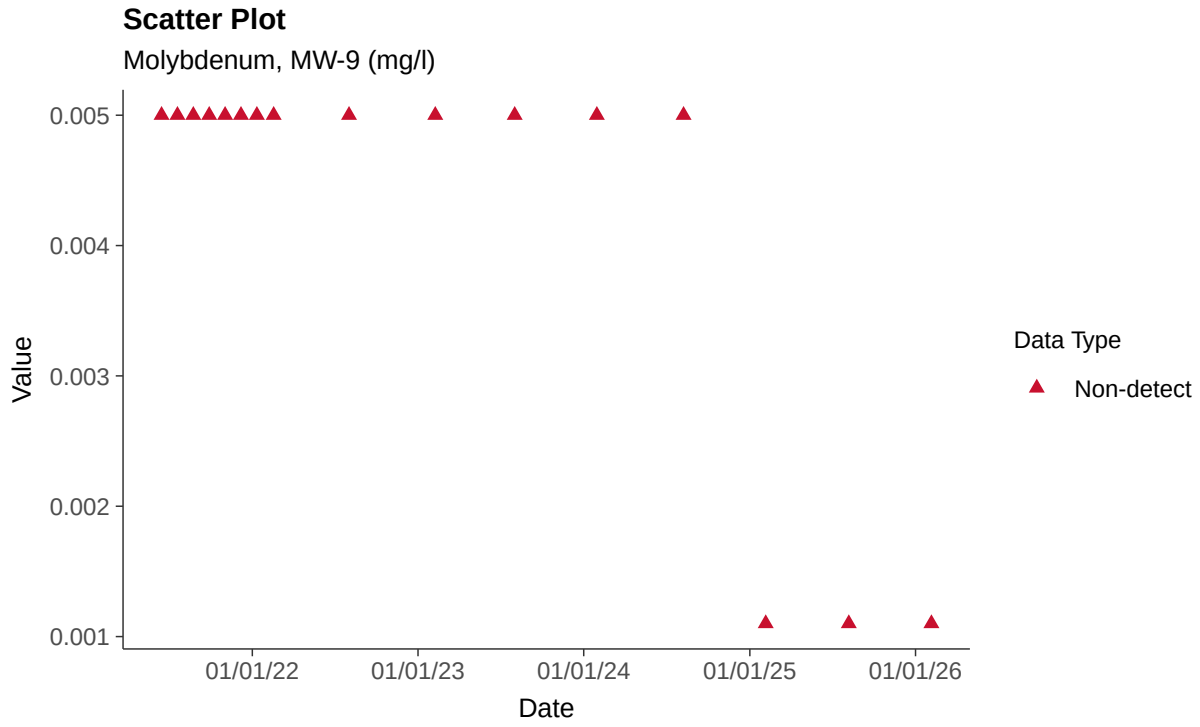
Trend Regression: Piecewise Linear-Linear-Linear

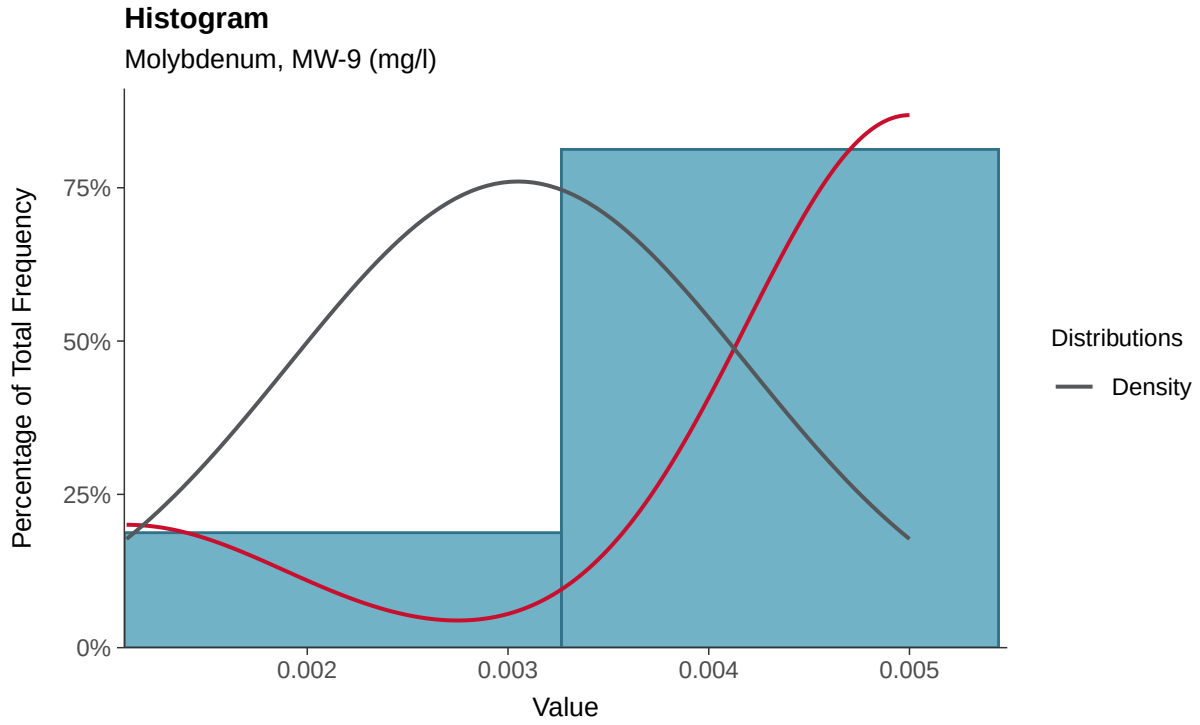
Mercury, MW-9 (mg/l)



Appendix IV: Molybdenum, MW-9

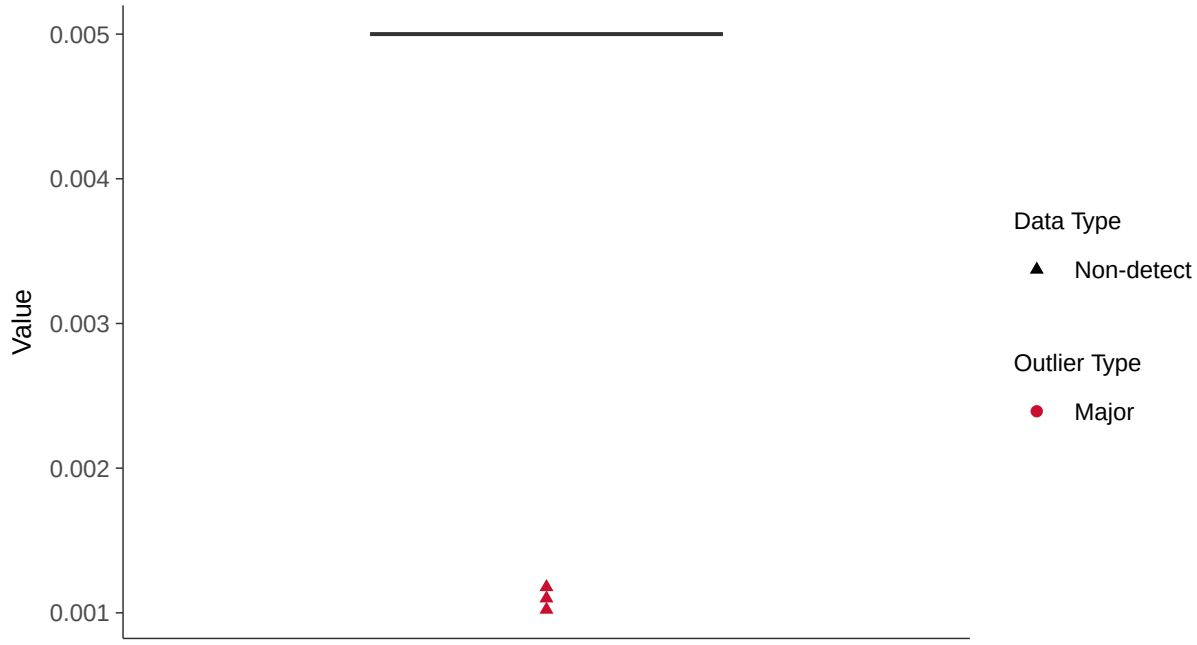
ID: 18_3_118





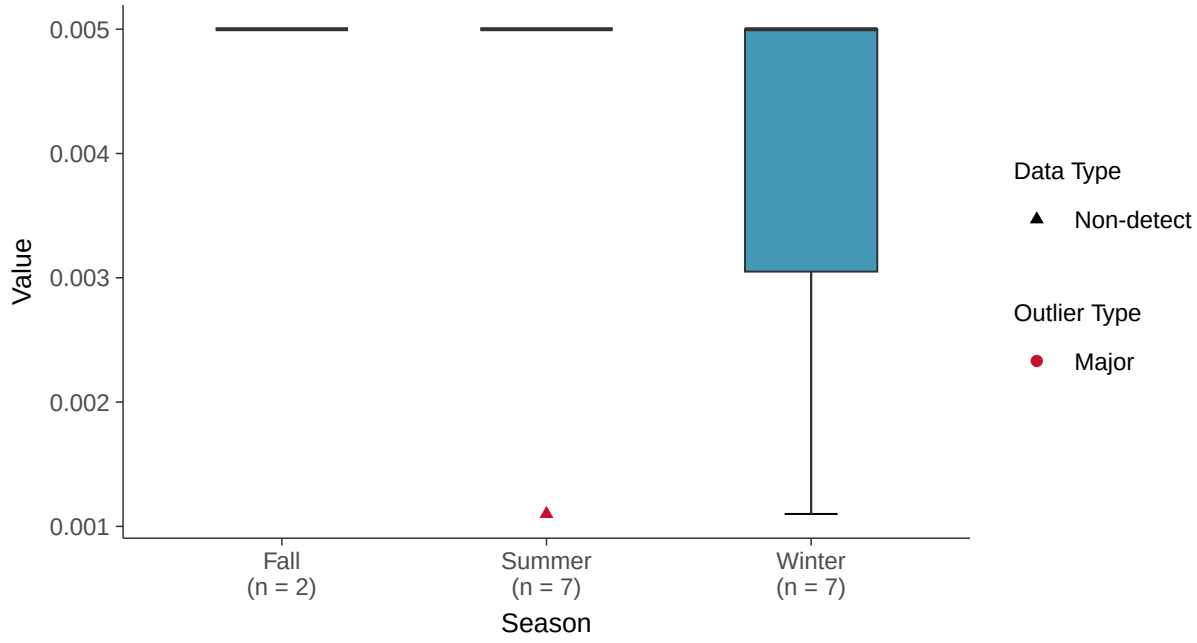
Boxplot

Molybdenum, MW-9 (mg/l)



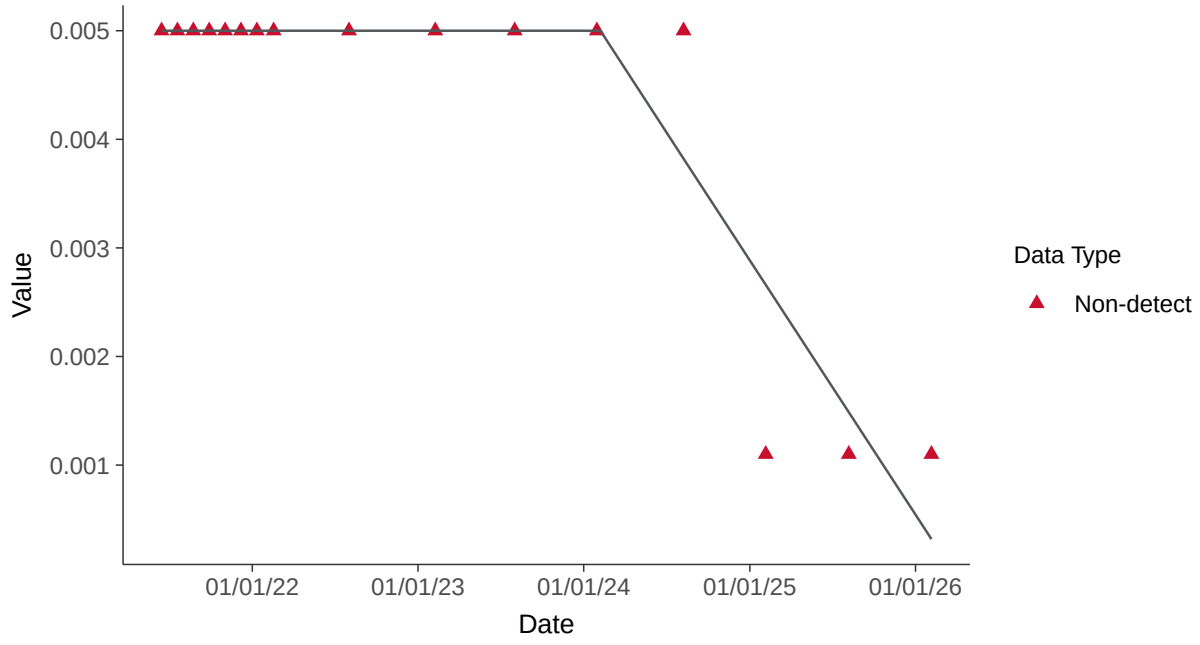
Boxplot by Season

Molybdenum, MW-9 (mg/l)



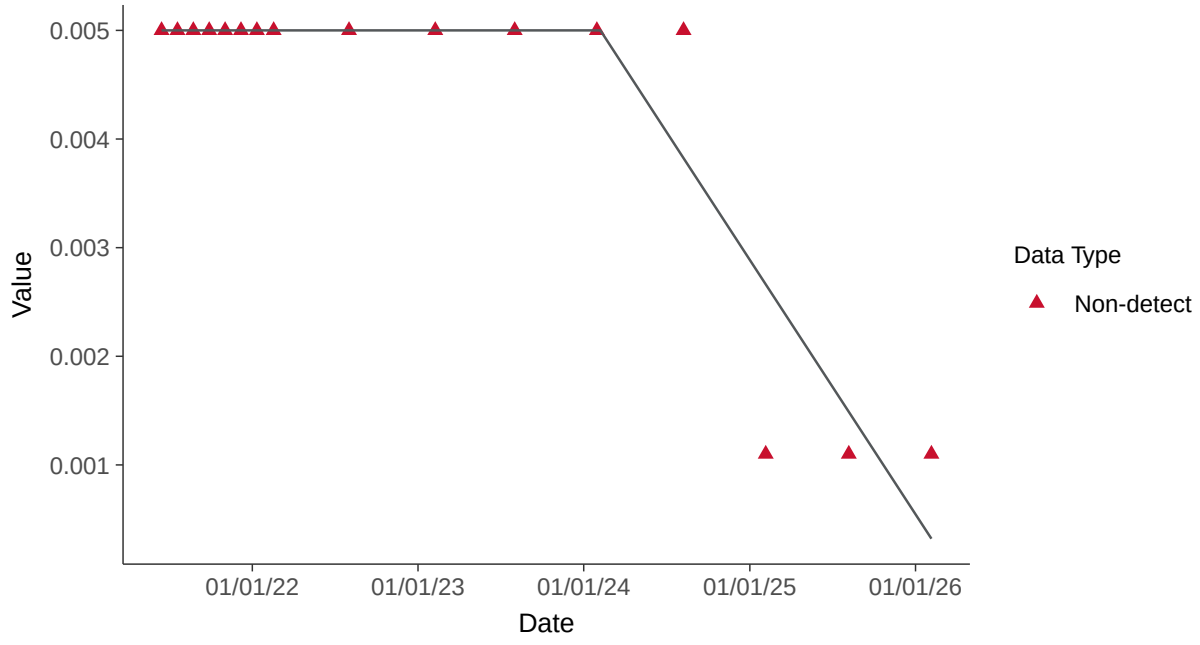
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-9 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-9 (mg/l)

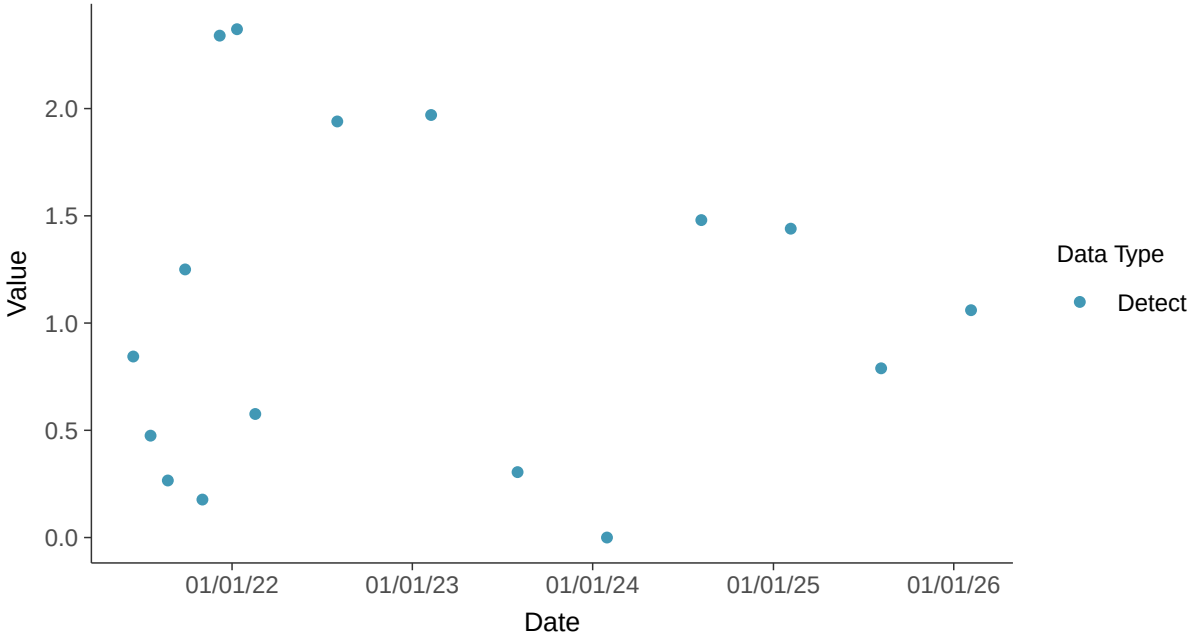


Appendix IV: Radium-226+228, MW-9

ID: 18_3_121

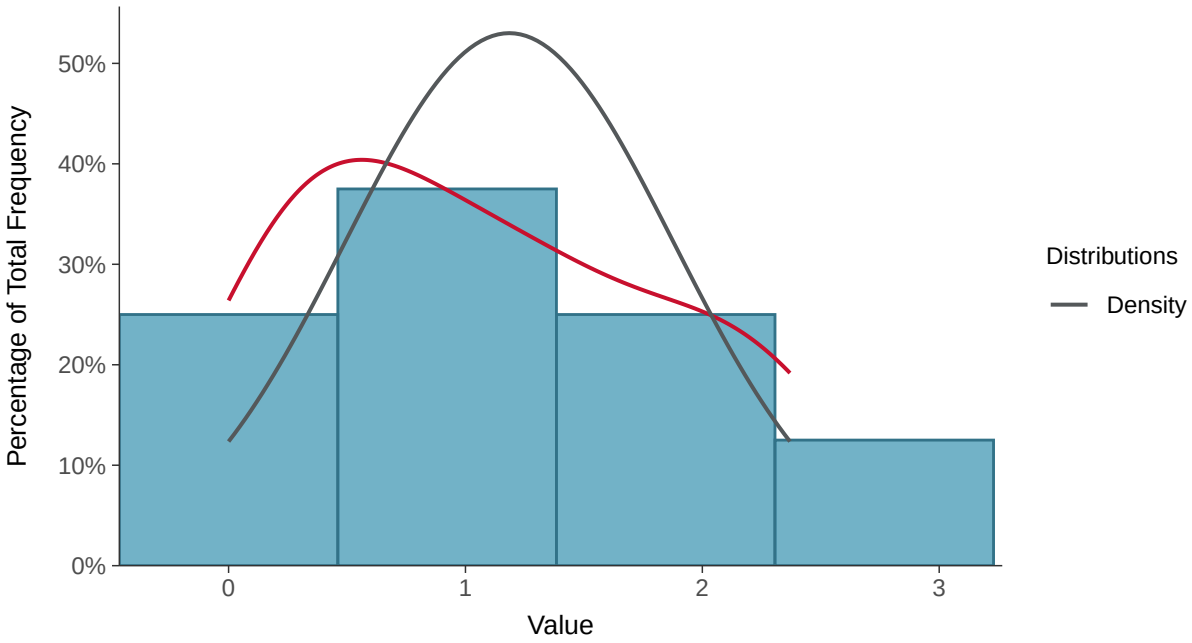
Scatter Plot

Radium-226+228, MW-9 (pci/l)



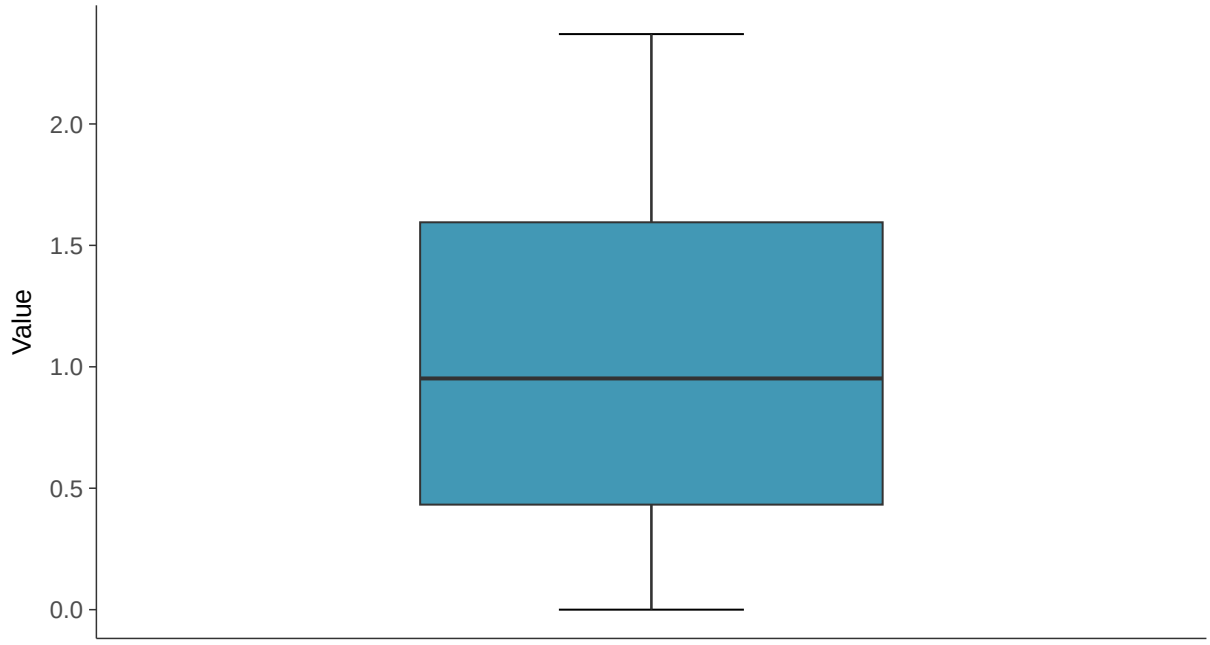
Histogram

Radium-226+228, MW-9 (pci/l)



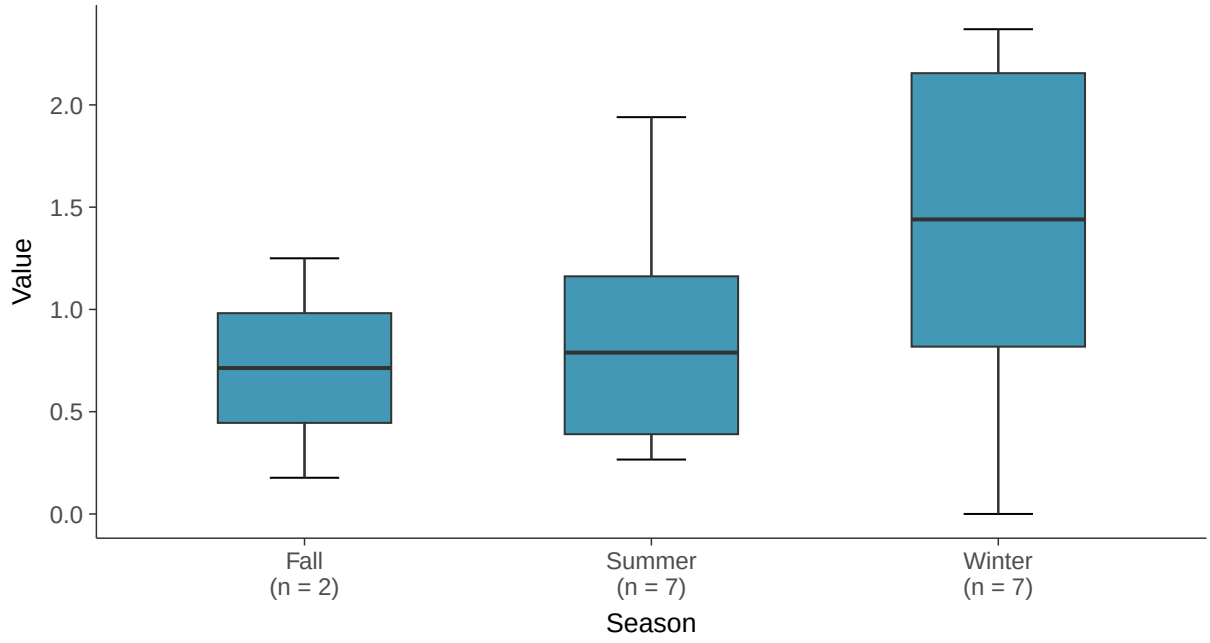
Boxplot

Radium-226+228, MW-9 (pci/l)



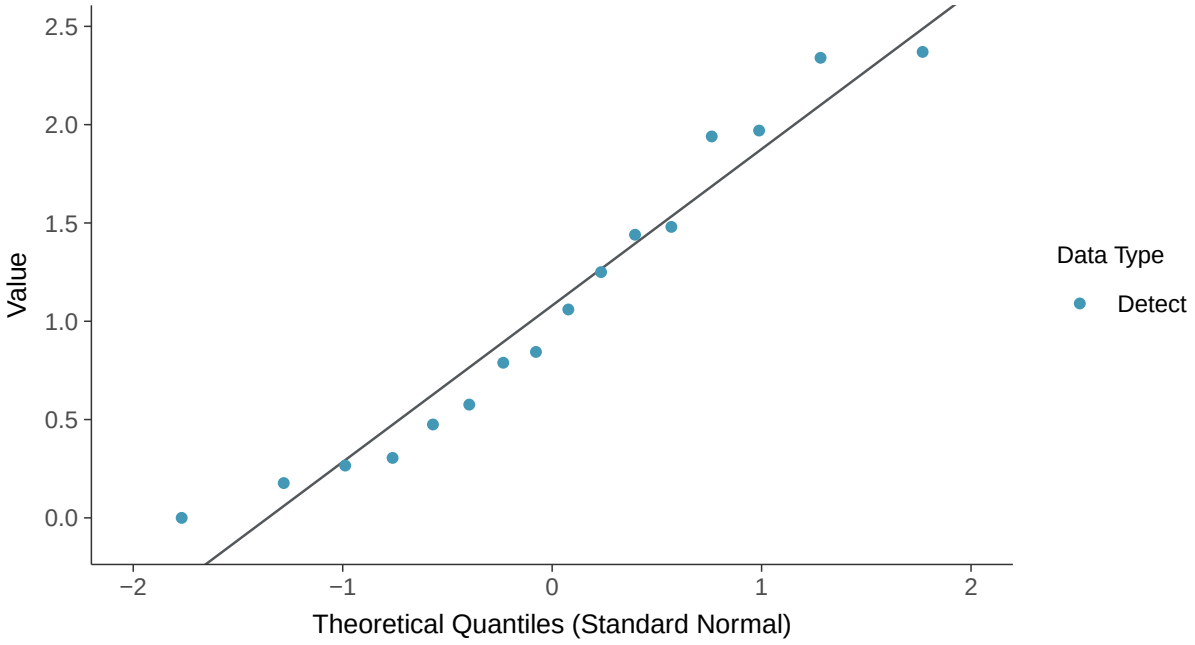
Boxplot by Season

Radium-226+228, MW-9 (pci/l)



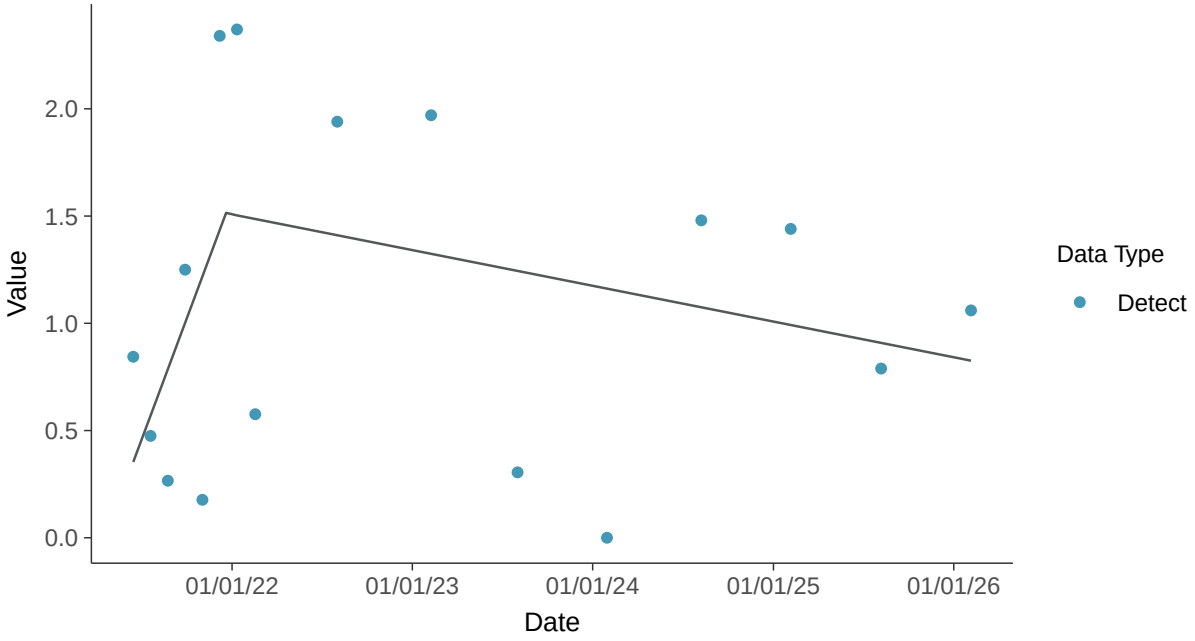
Normal Q-Q plot

Radium-226+228, MW-9 (pci/l)



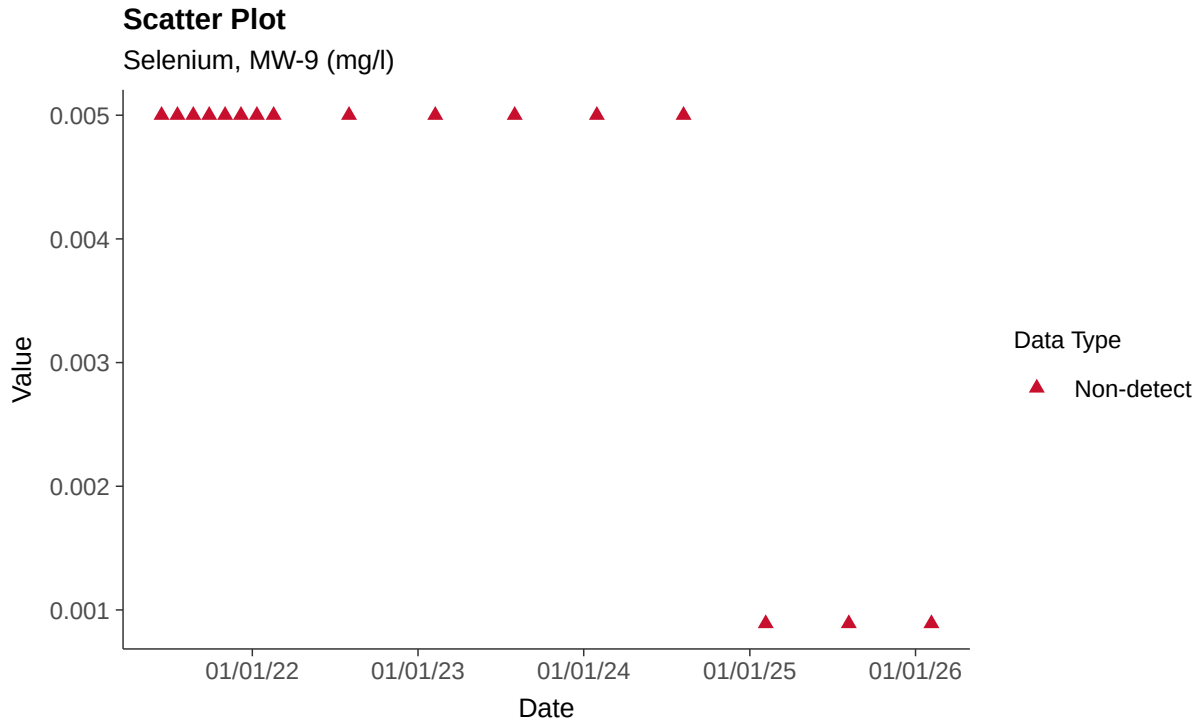
Trend Regression: Piecewise Linear-Linear

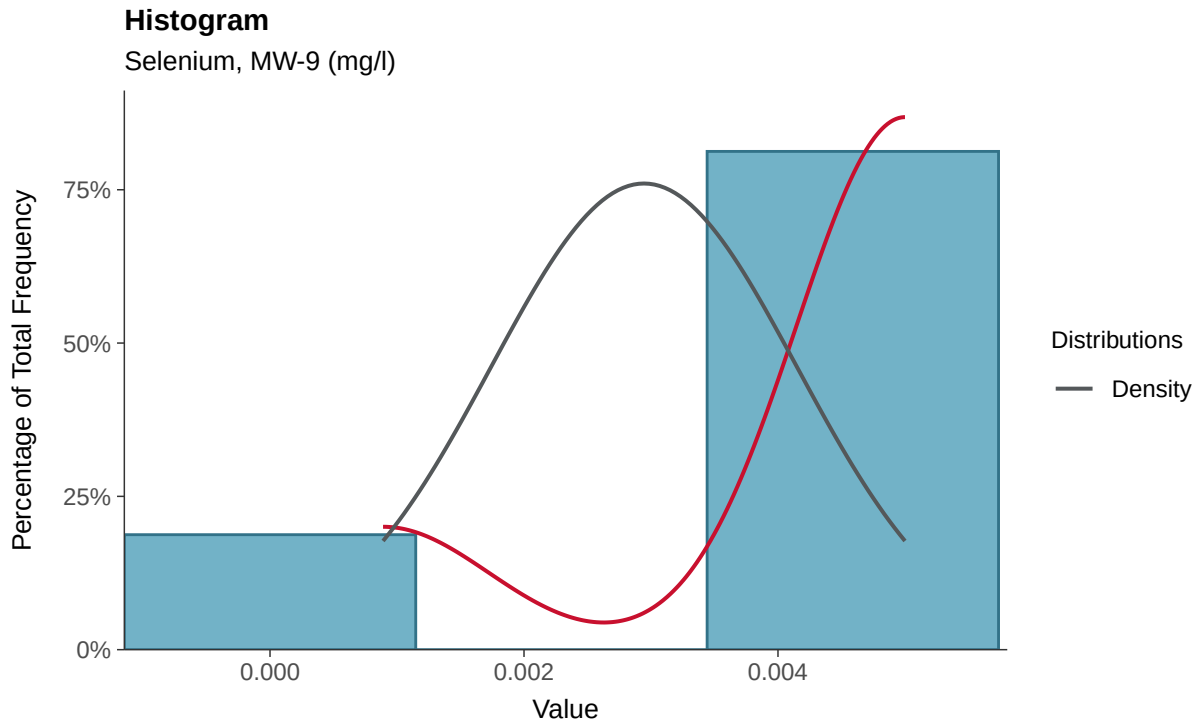
Radium-226+228, MW-9 (pci/l)



Appendix IV: Selenium, MW-9

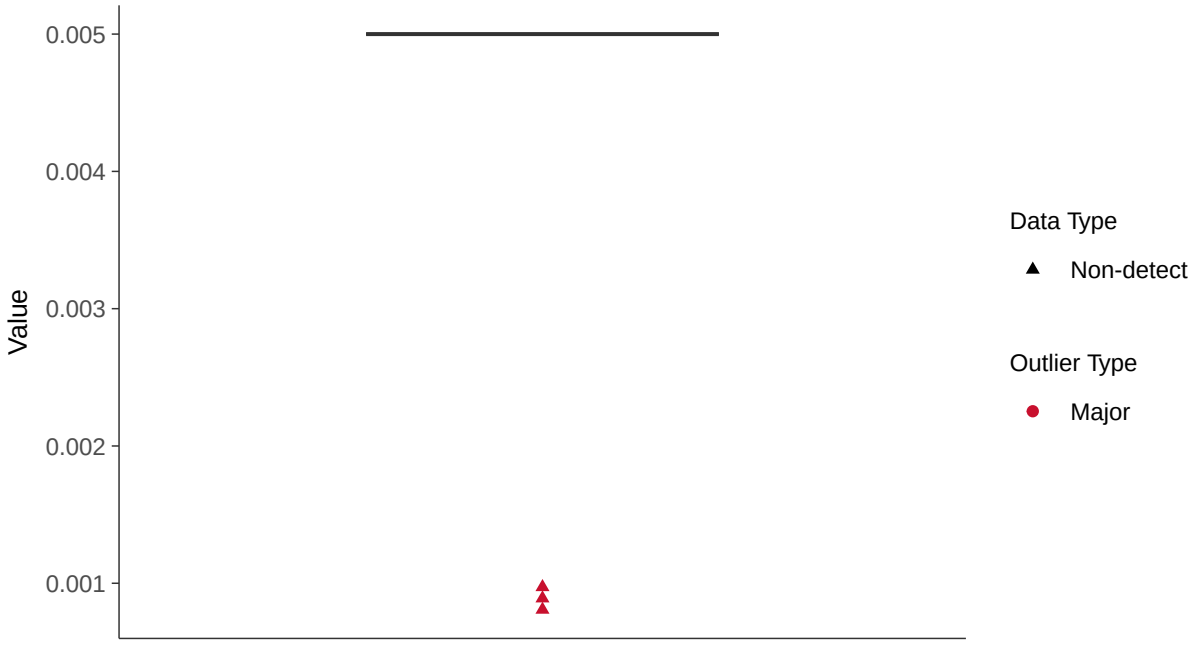
ID: 18_3_122





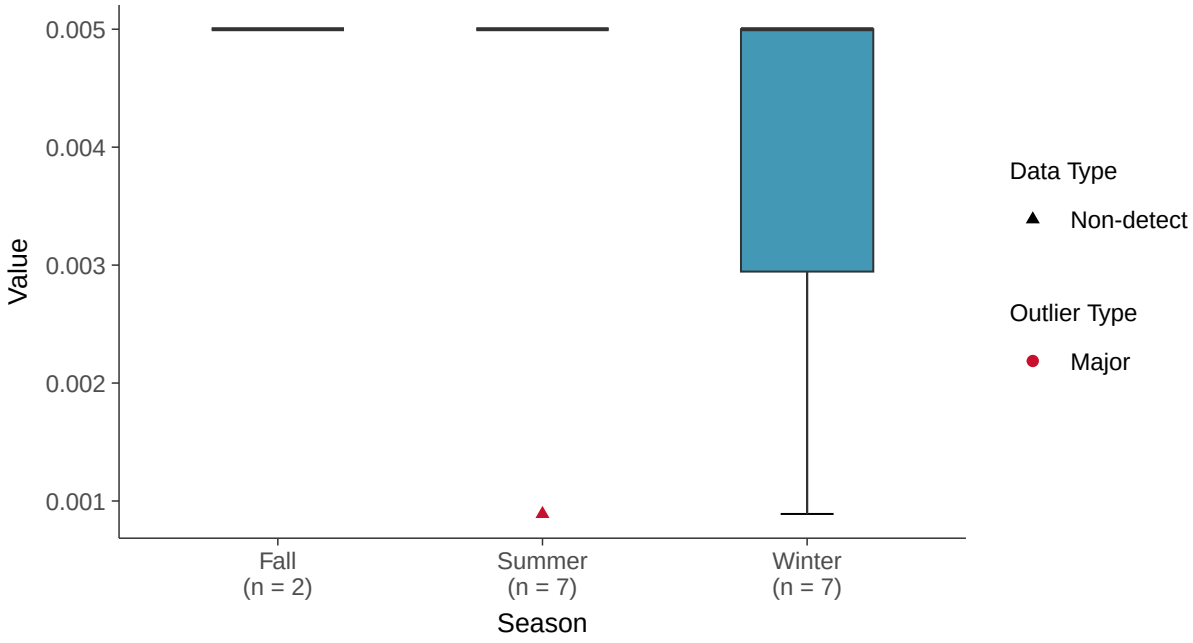
Boxplot

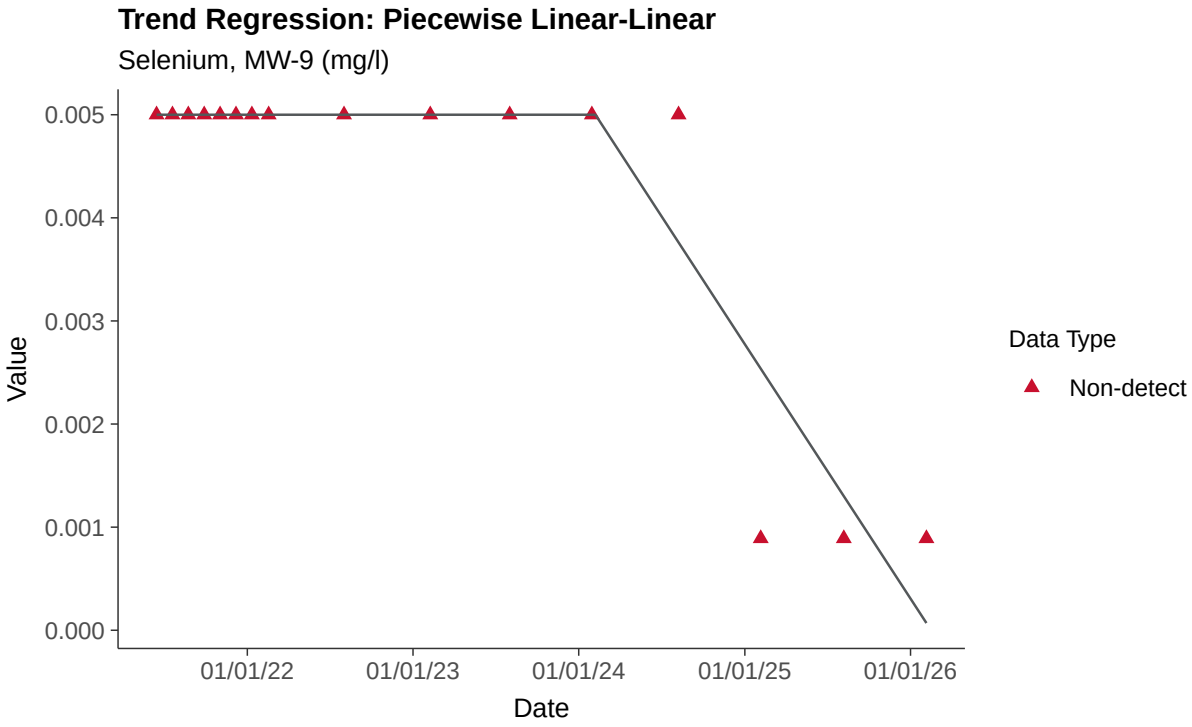
Selenium, MW-9 (mg/l)



Boxplot by Season

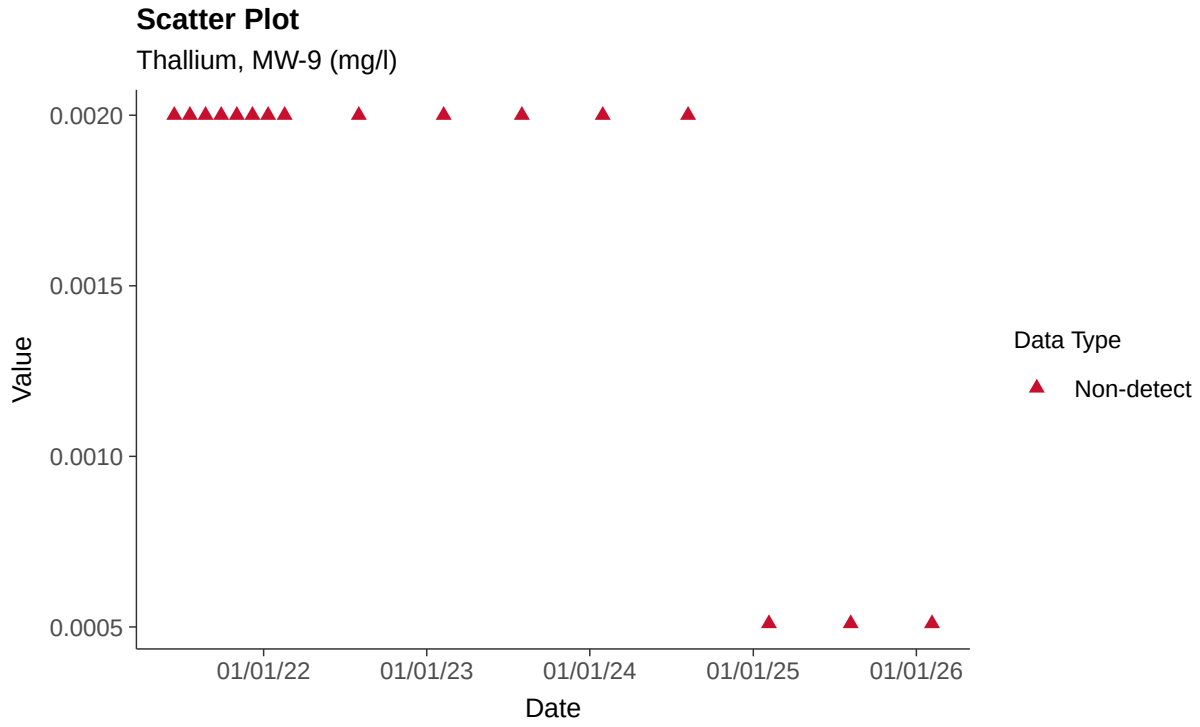
Selenium, MW-9 (mg/l)

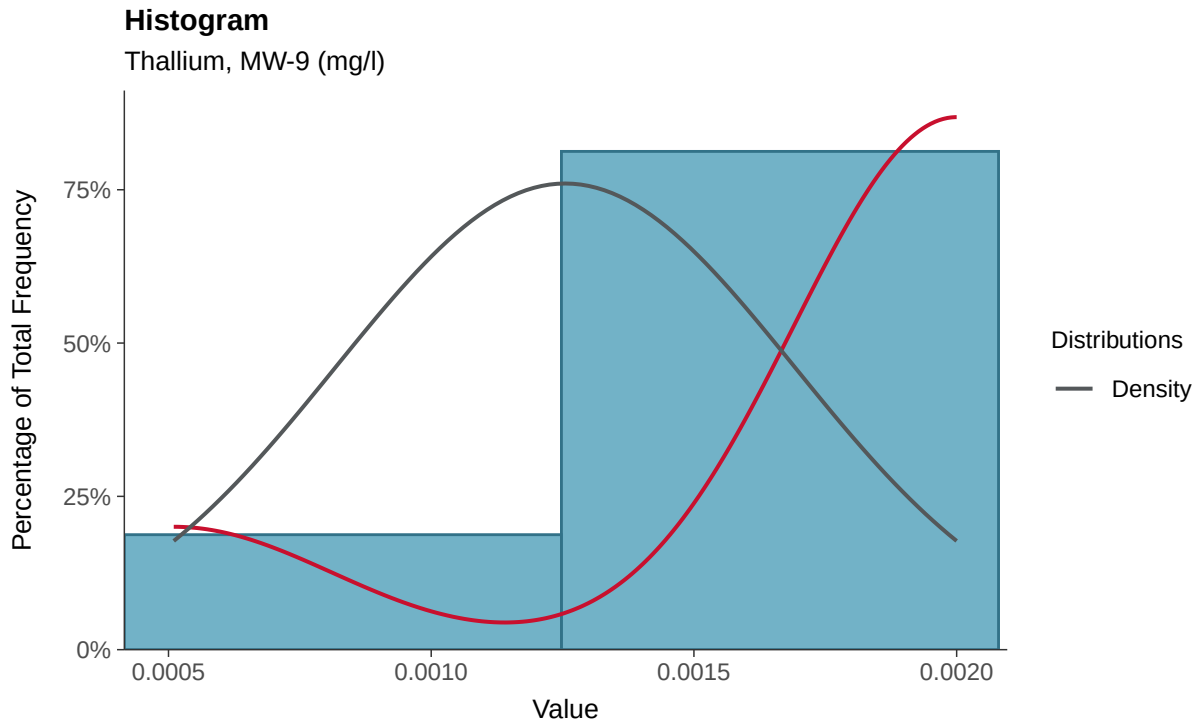



Trend Regression: Piecewise Linear-Linear
Selenium, MW-9 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-9

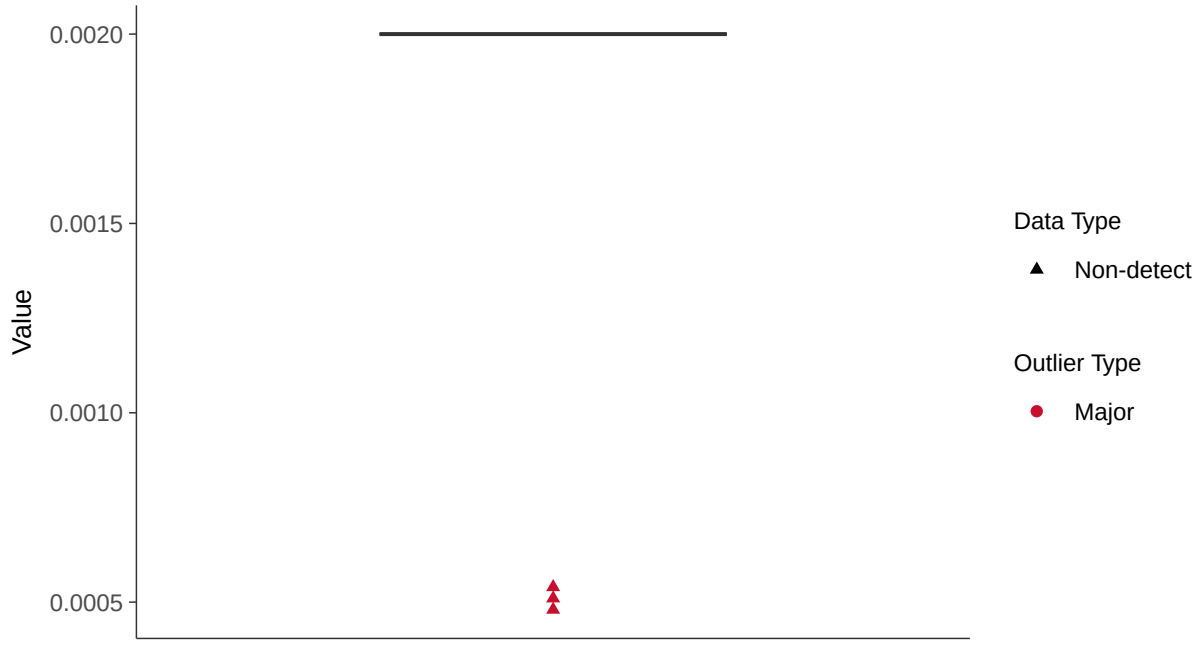
ID: 18_3_125





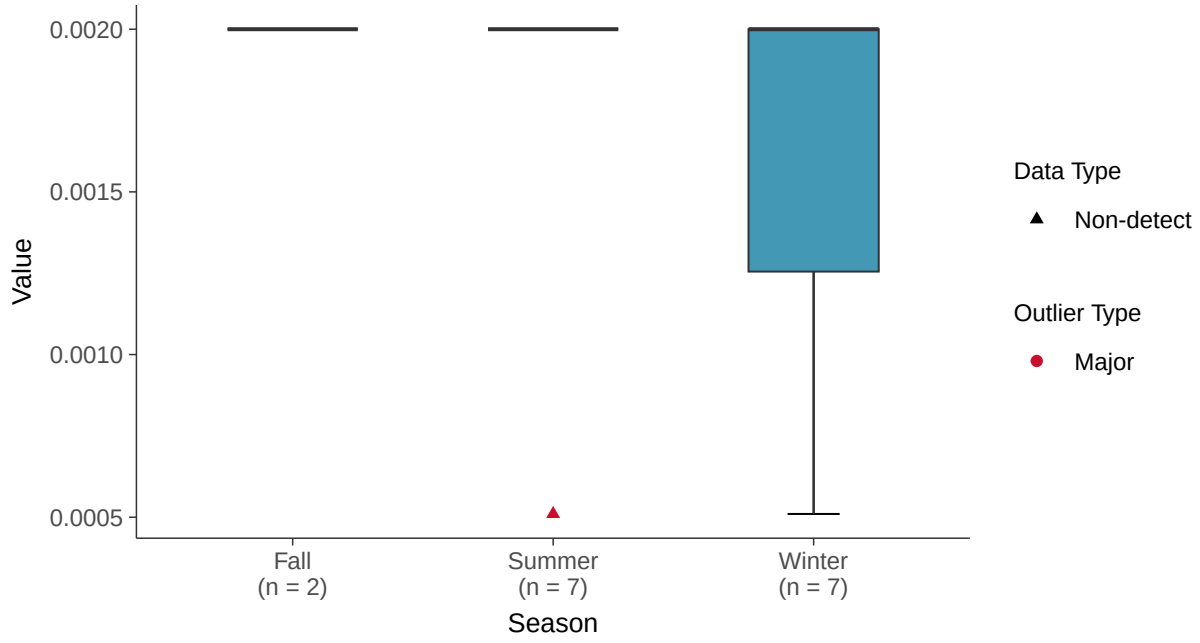
Boxplot

Thallium, MW-9 (mg/l)



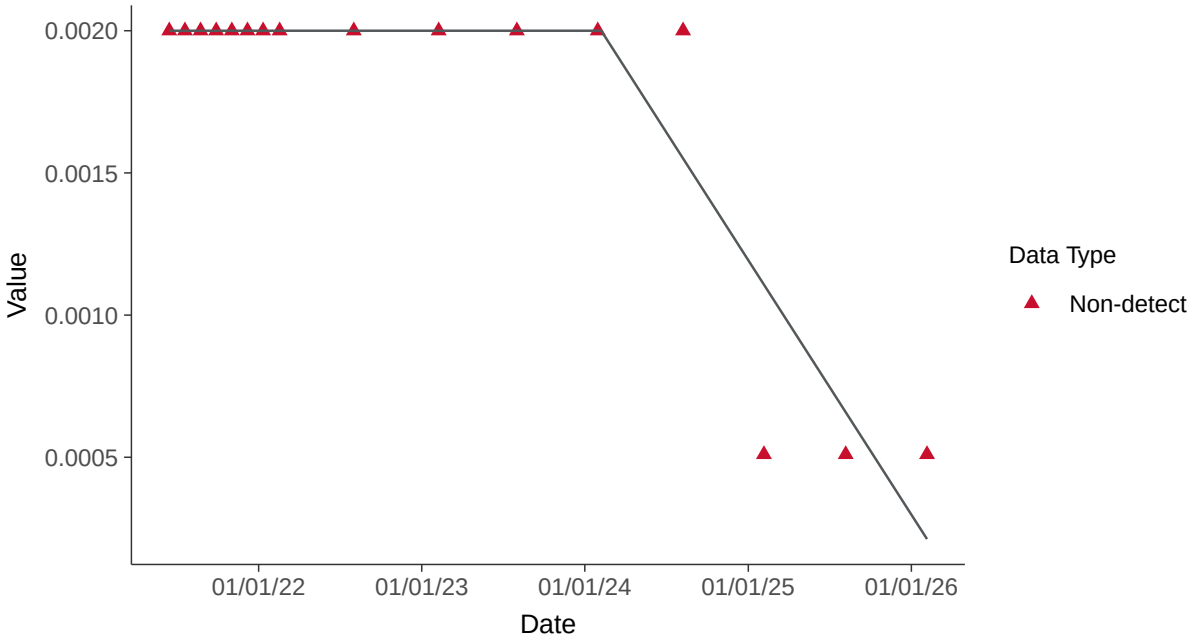
Boxplot by Season

Thallium, MW-9 (mg/l)



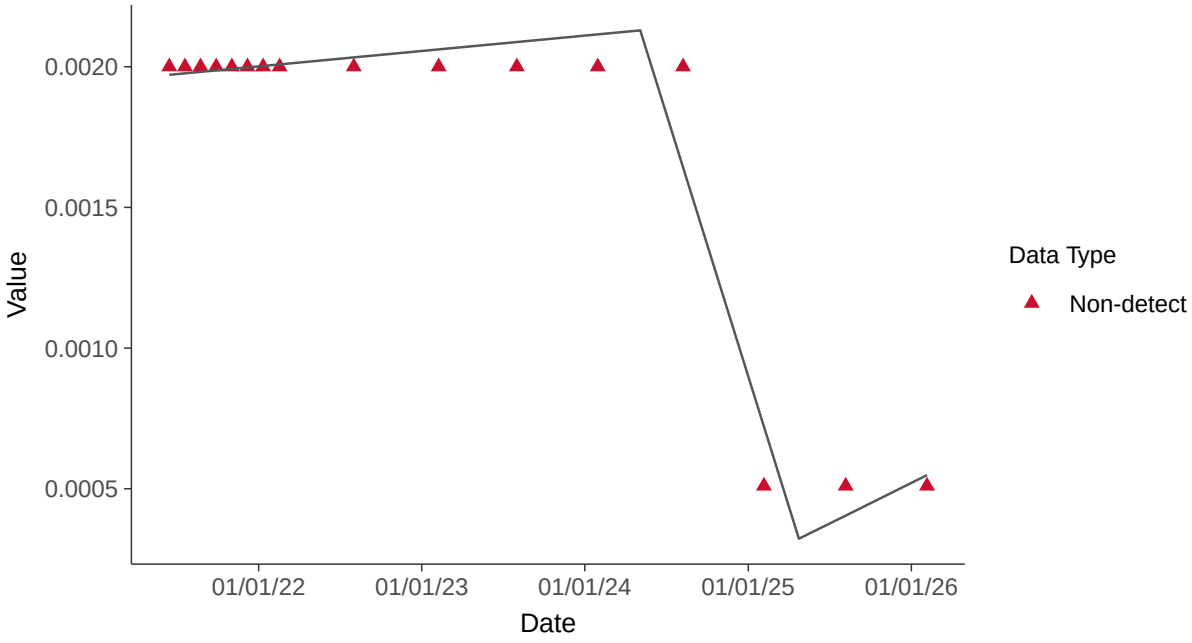
Trend Regression: Piecewise Linear-Linear

Thallium, MW-9 (mg/l)



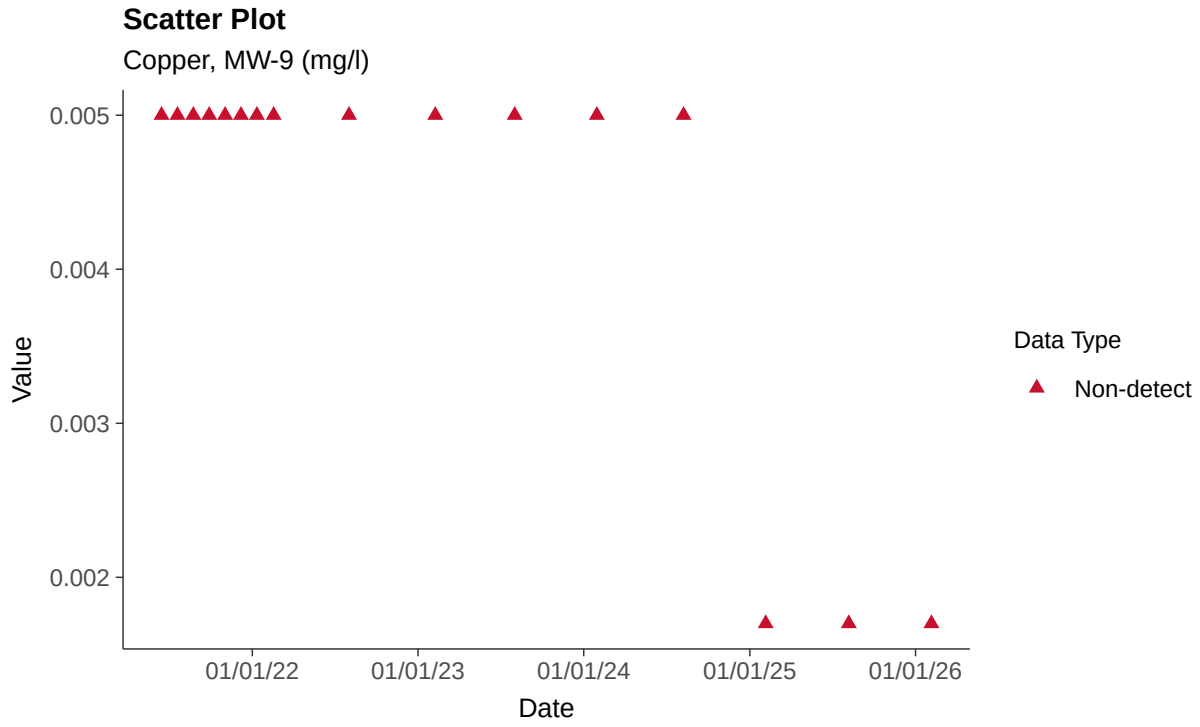
Trend Regression: Piecewise Linear-Linear-Linear

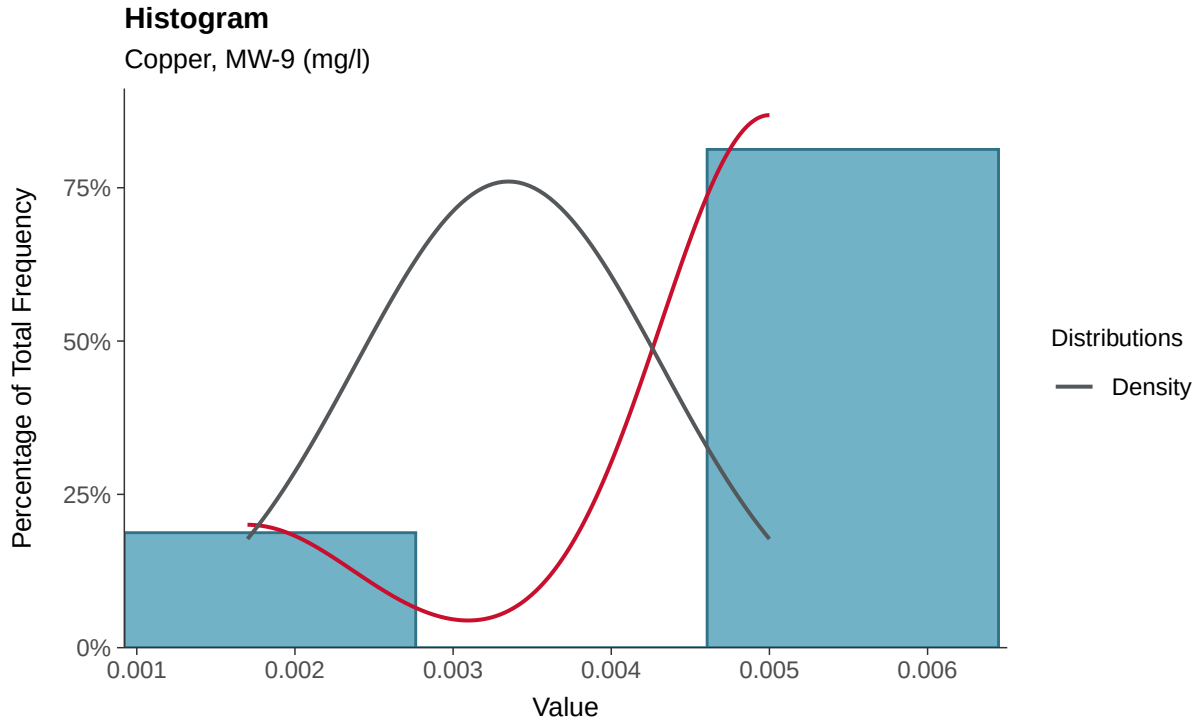
Thallium, MW-9 (mg/l)



Part 115: Copper, MW-9

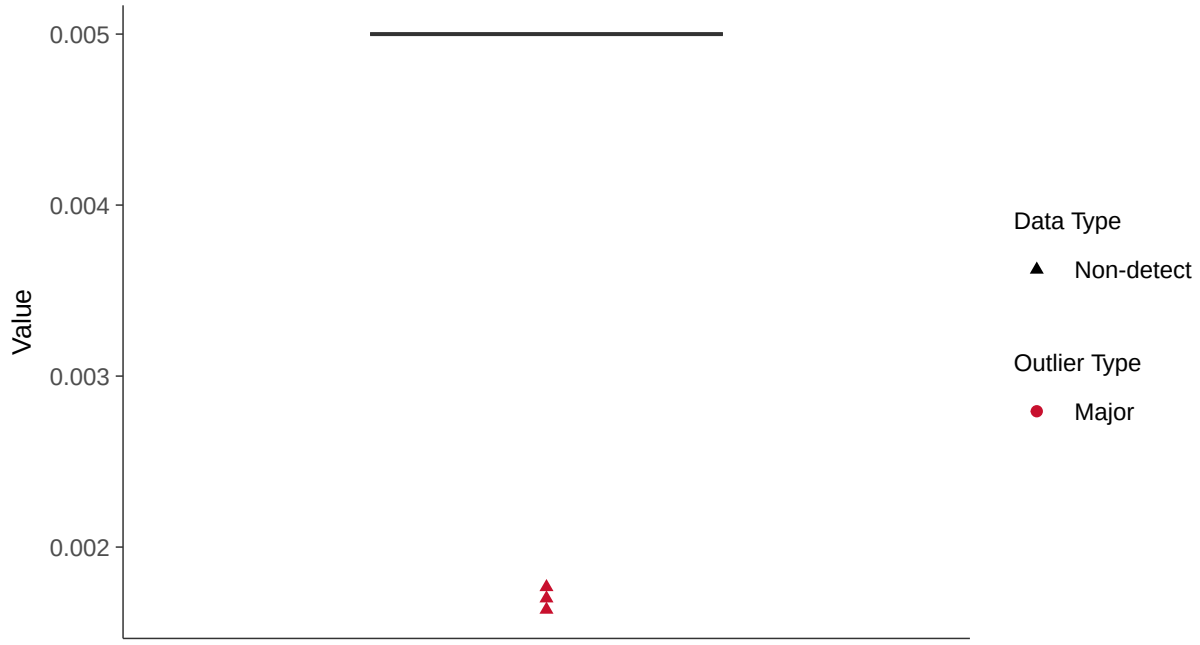
ID: 18_5_111





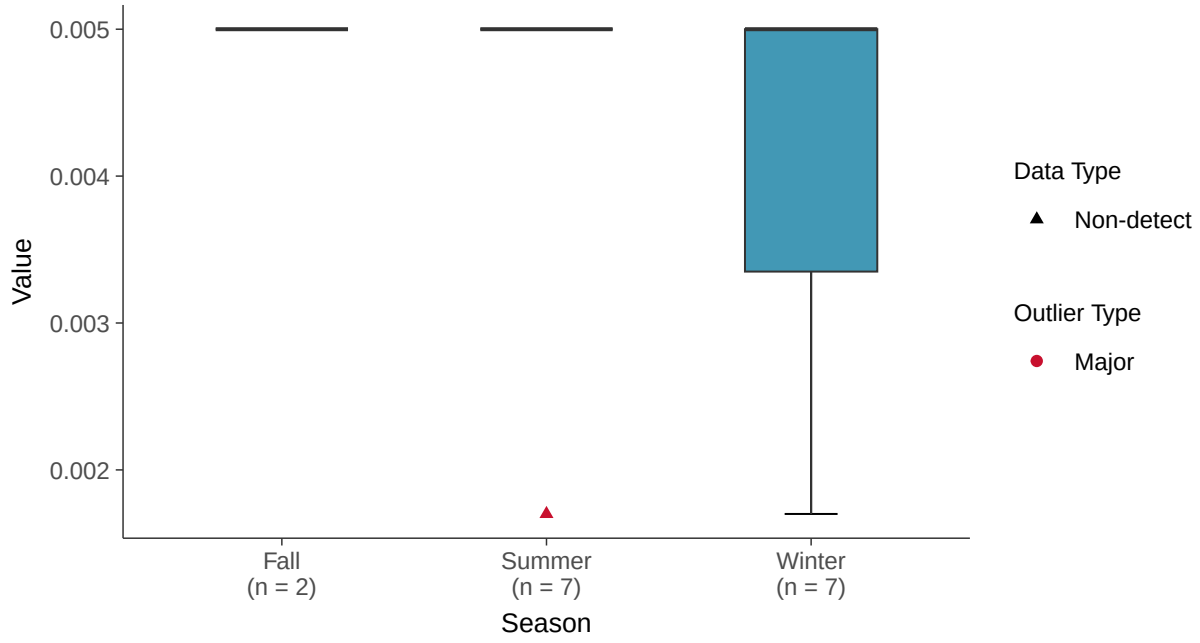
Boxplot

Copper, MW-9 (mg/l)



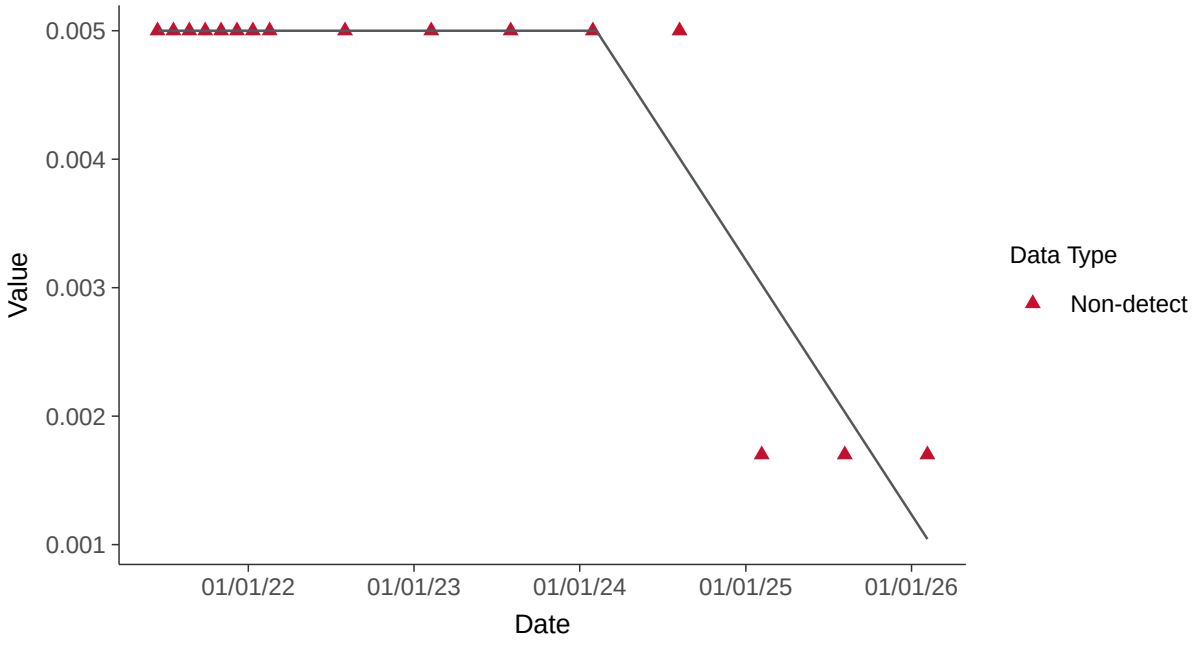
Boxplot by Season

Copper, MW-9 (mg/l)



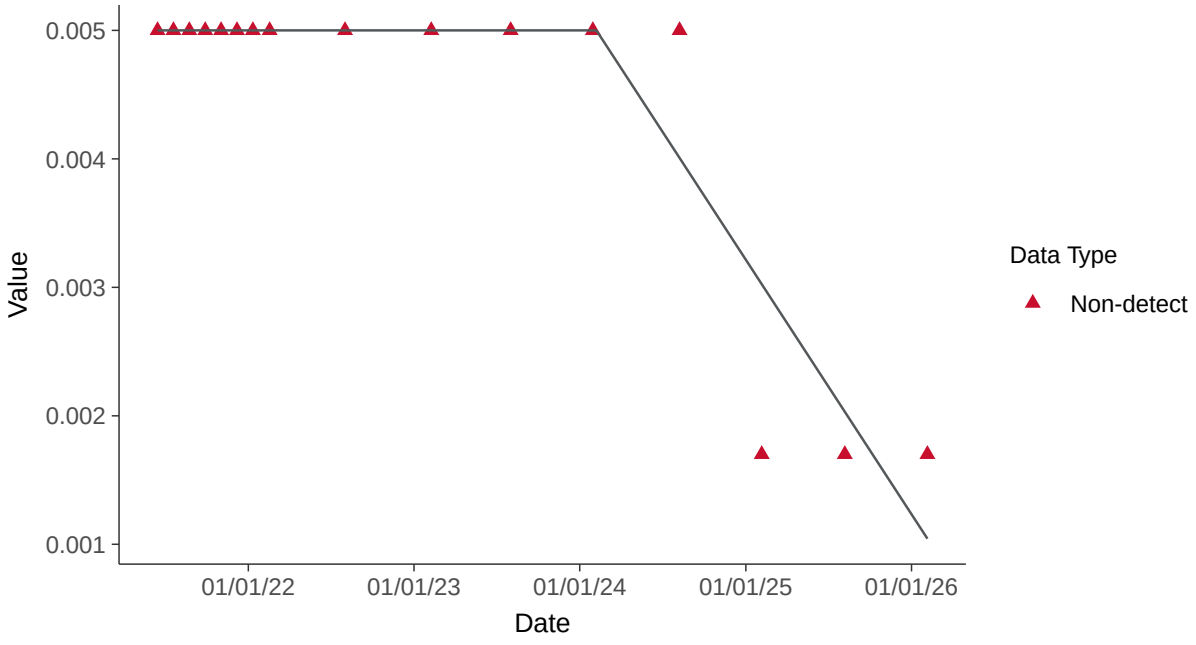
Trend Regression: Piecewise Linear-Linear

Copper, MW-9 (mg/l)



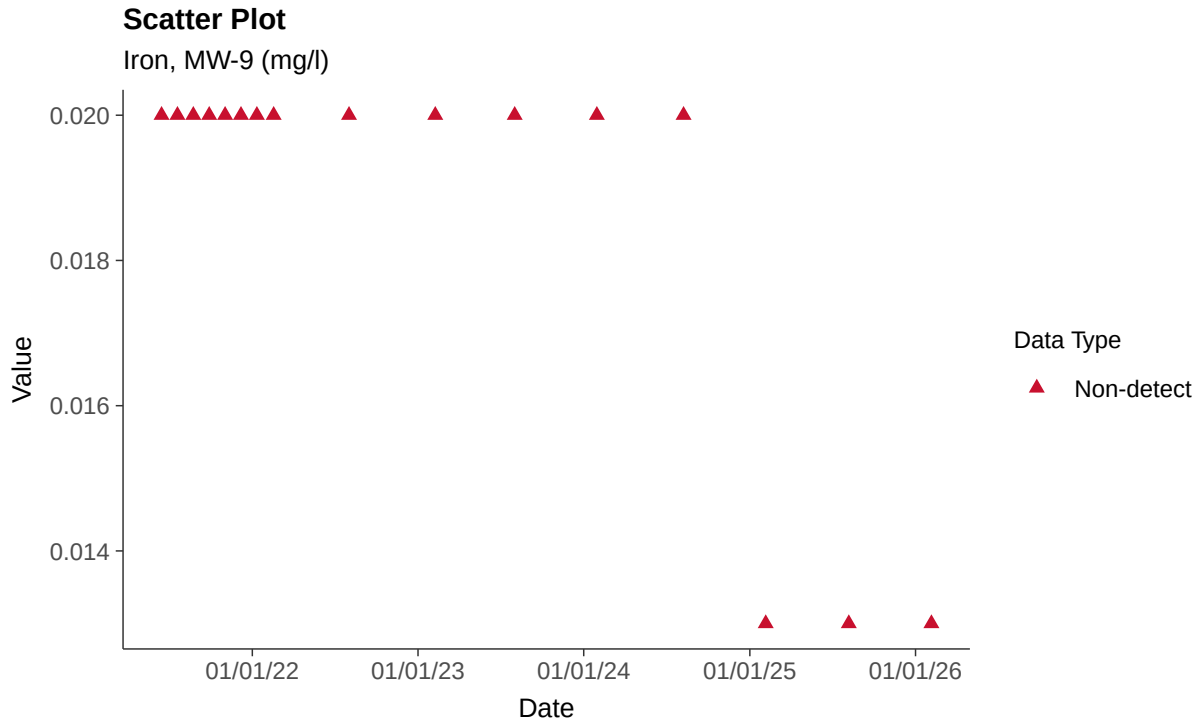
Trend Regression: Piecewise Linear-Linear-Linear

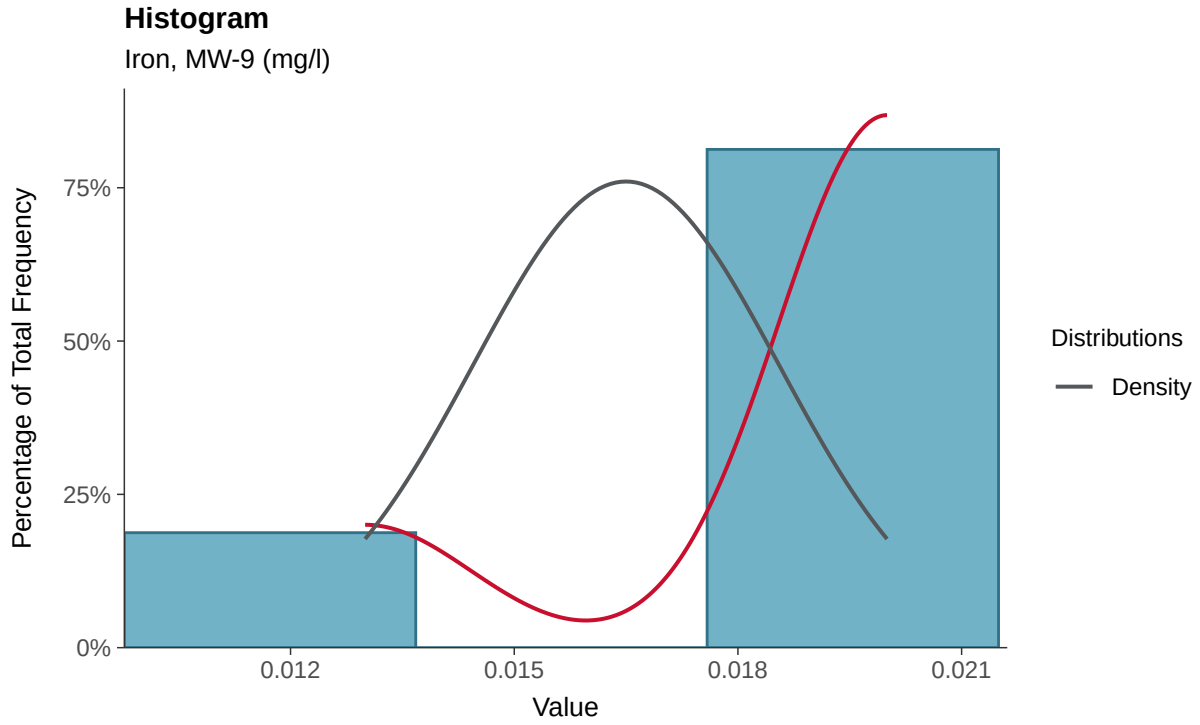
Copper, MW-9 (mg/l)



Part 115: Iron, MW-9

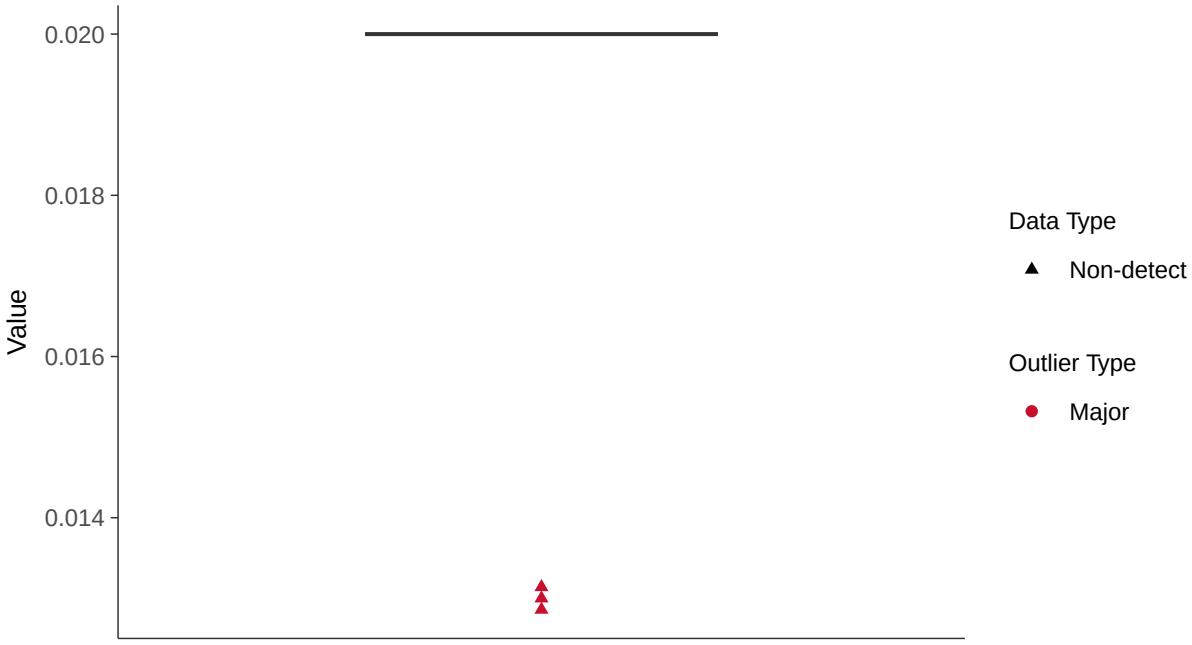
ID: 18_5_114





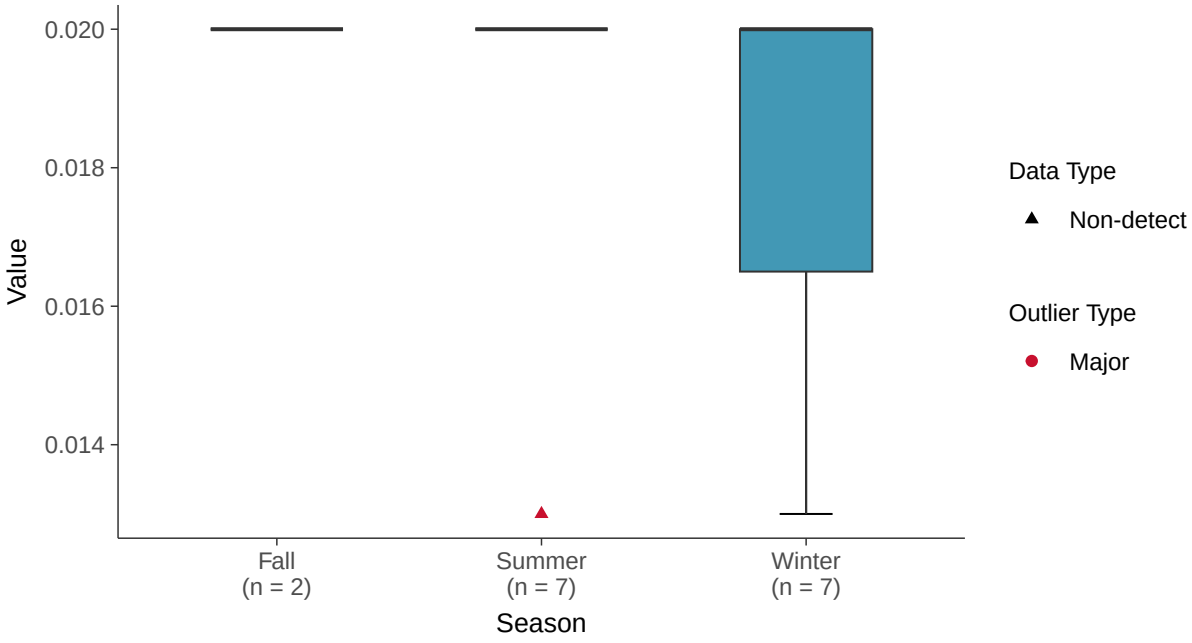
Boxplot

Iron, MW-9 (mg/l)



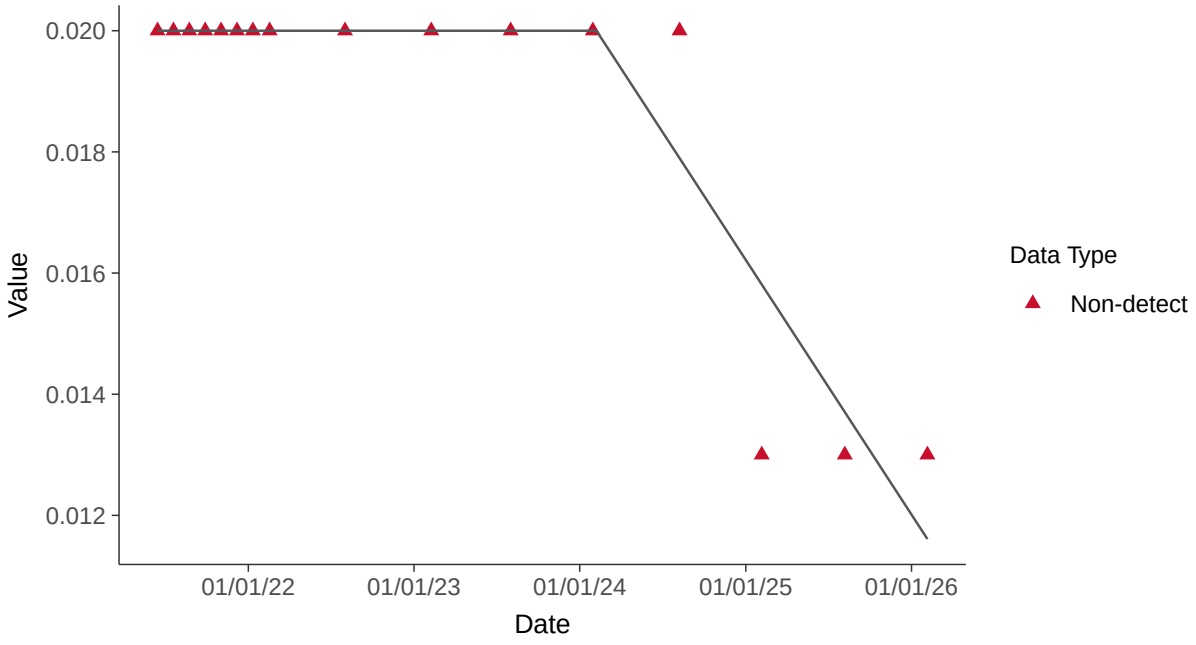
Boxplot by Season

Iron, MW-9 (mg/l)



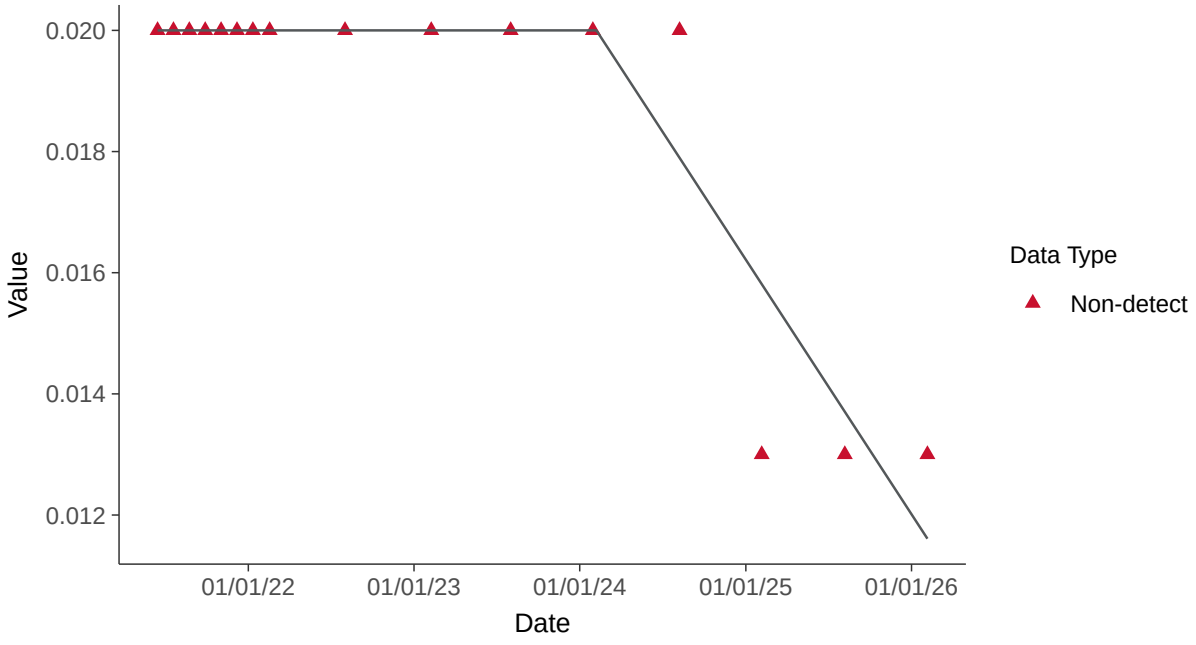
Trend Regression: Piecewise Linear-Linear

Iron, MW-9 (mg/l)



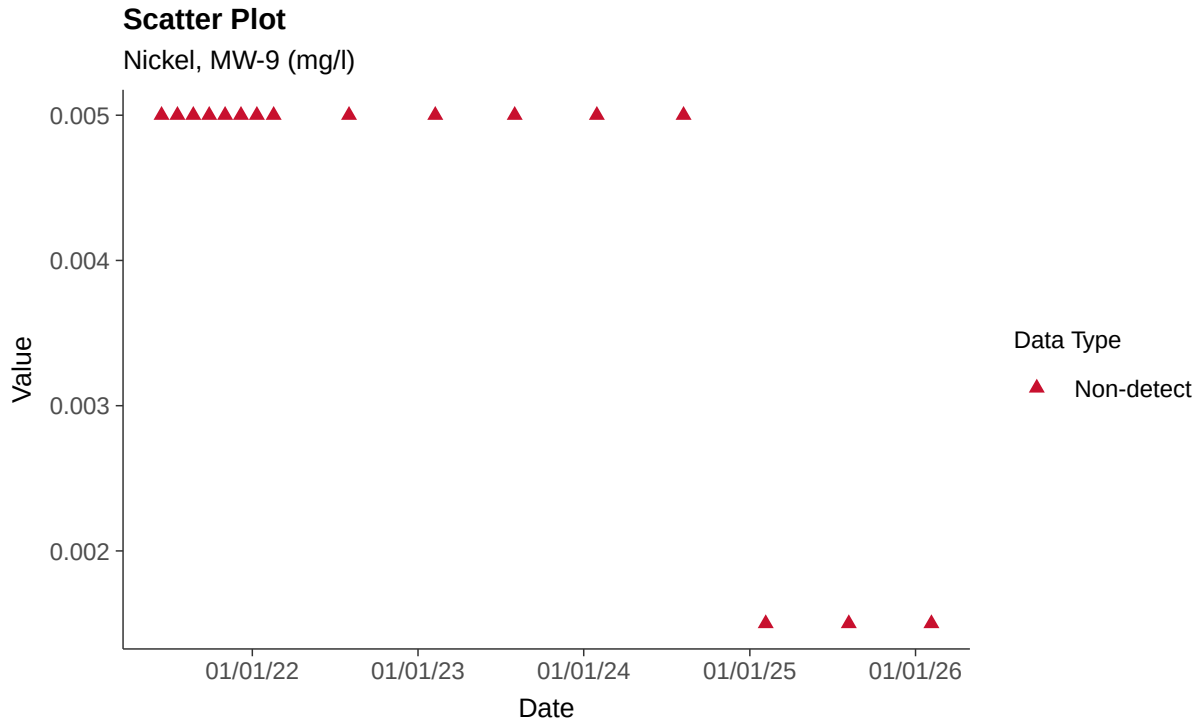
Trend Regression: Piecewise Linear-Linear-Linear

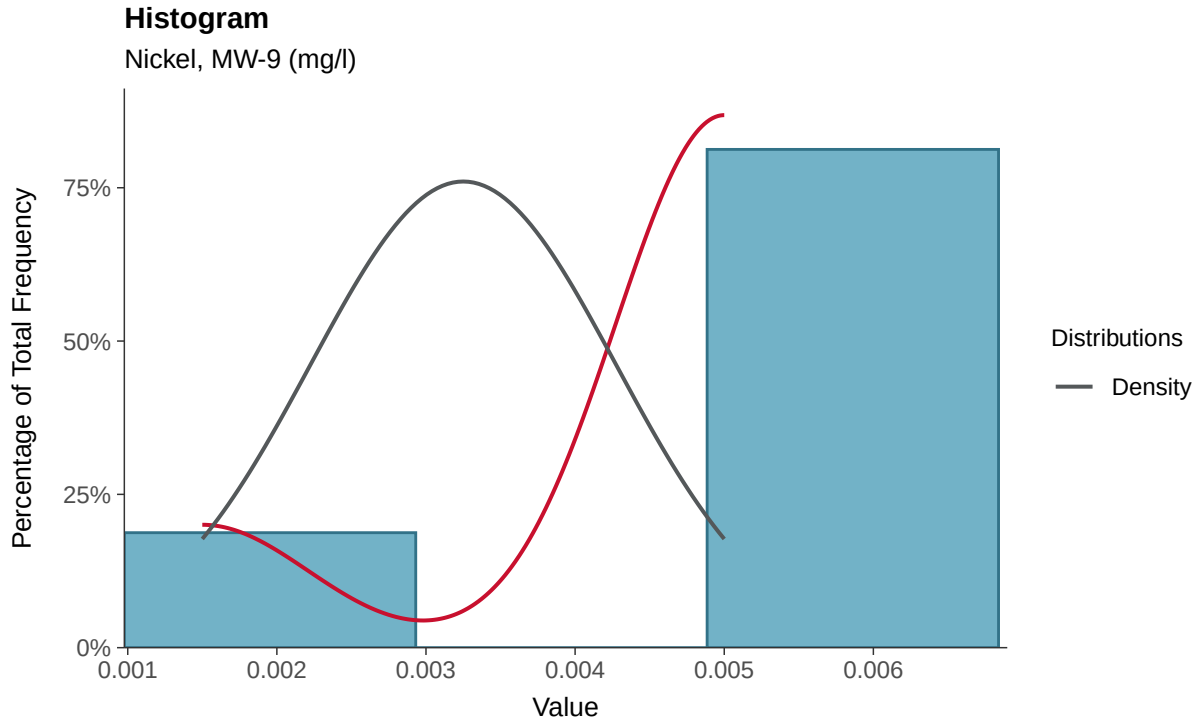
Iron, MW-9 (mg/l)



Part 115: Nickel, MW-9

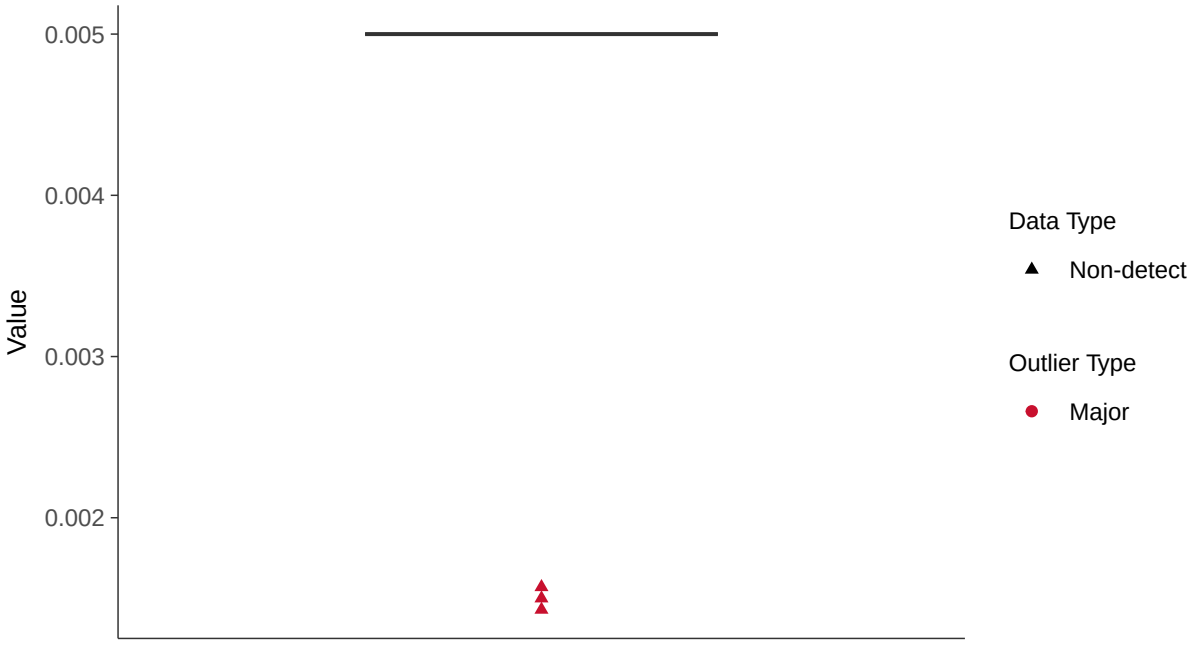
ID: 18_5_119





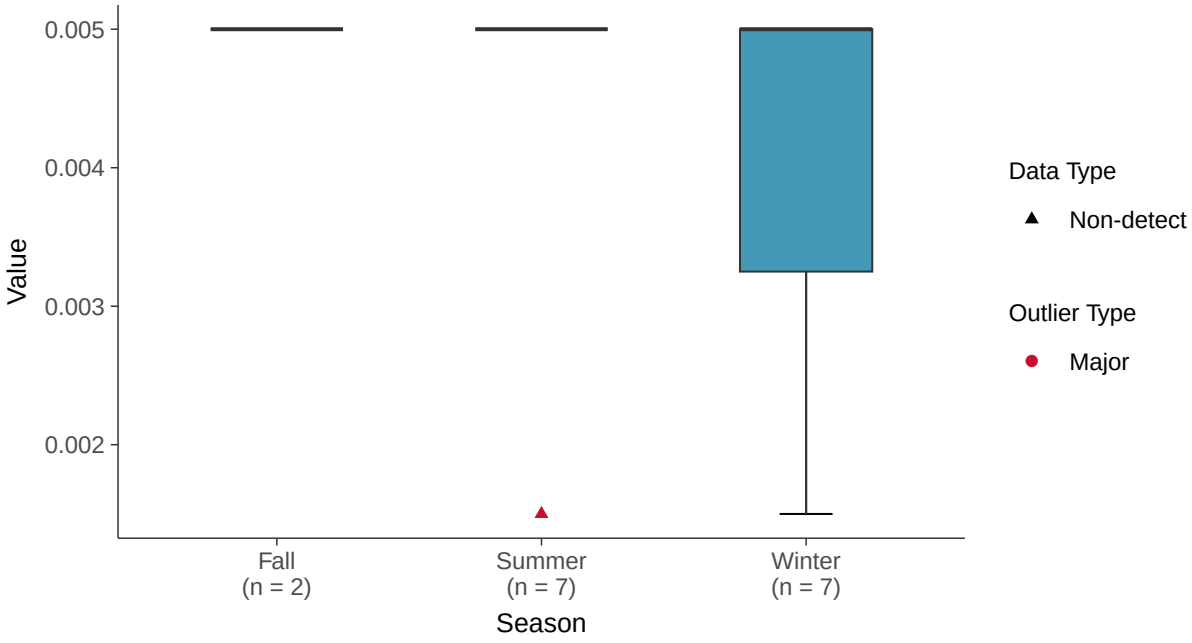
Boxplot

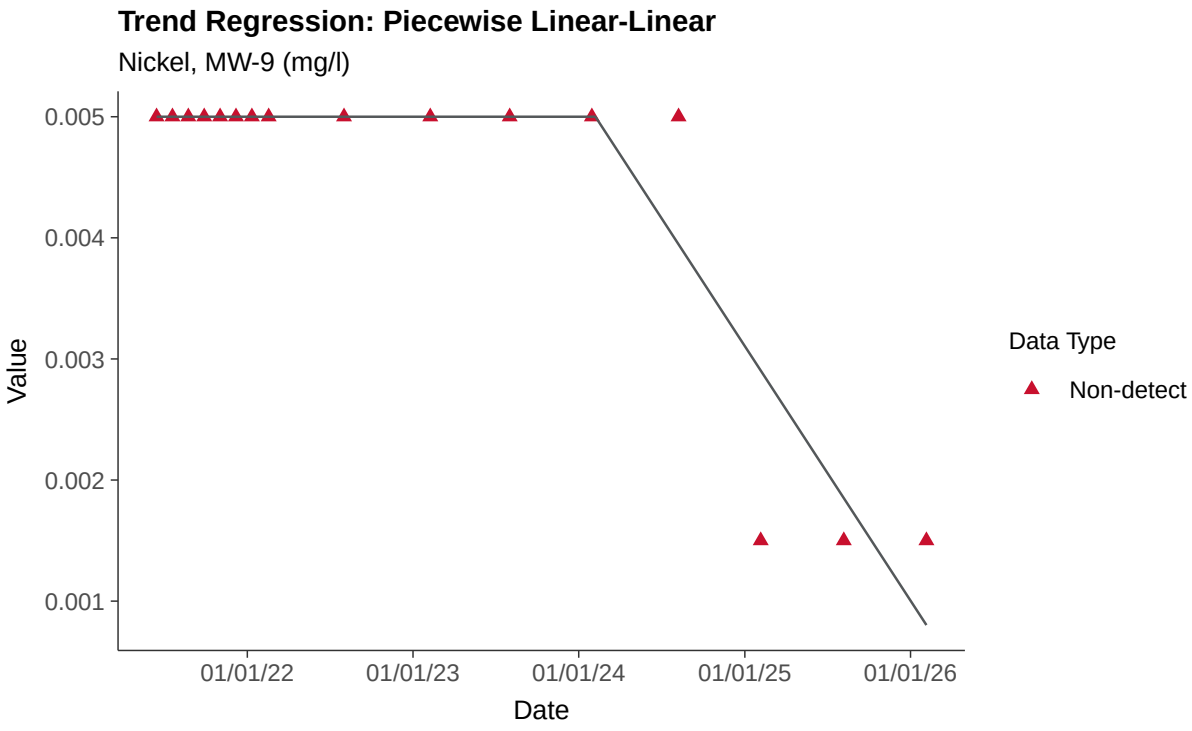
Nickel, MW-9 (mg/l)



Boxplot by Season

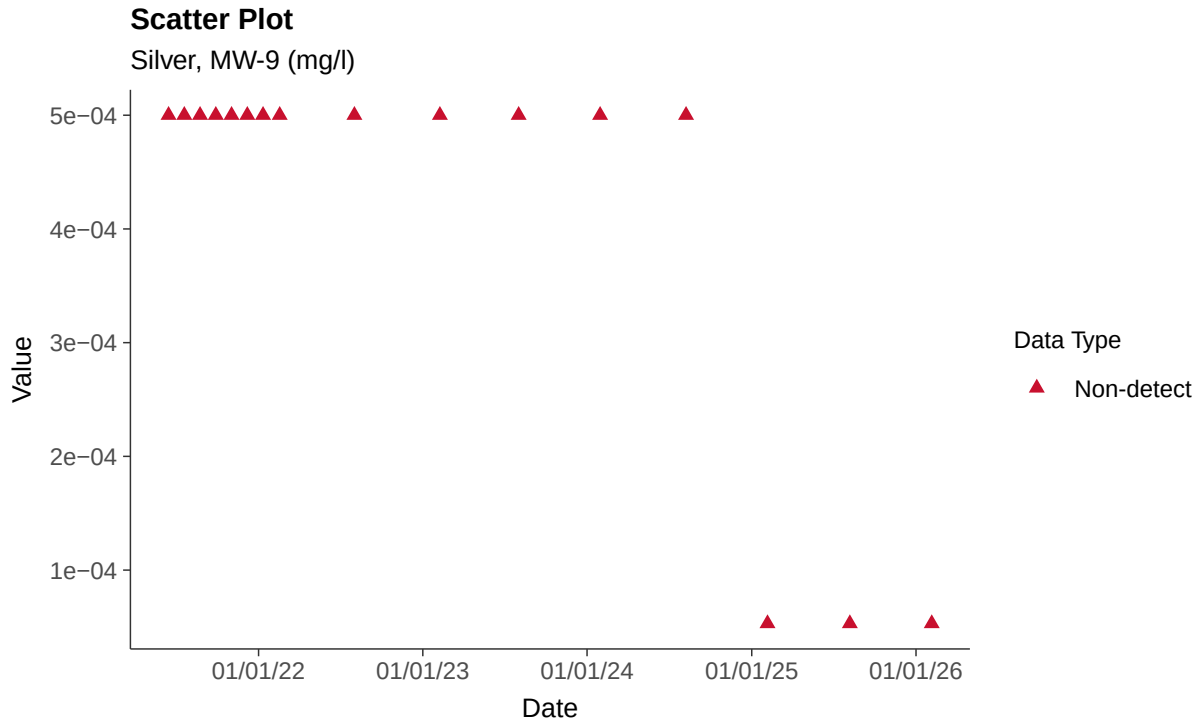
Nickel, MW-9 (mg/l)

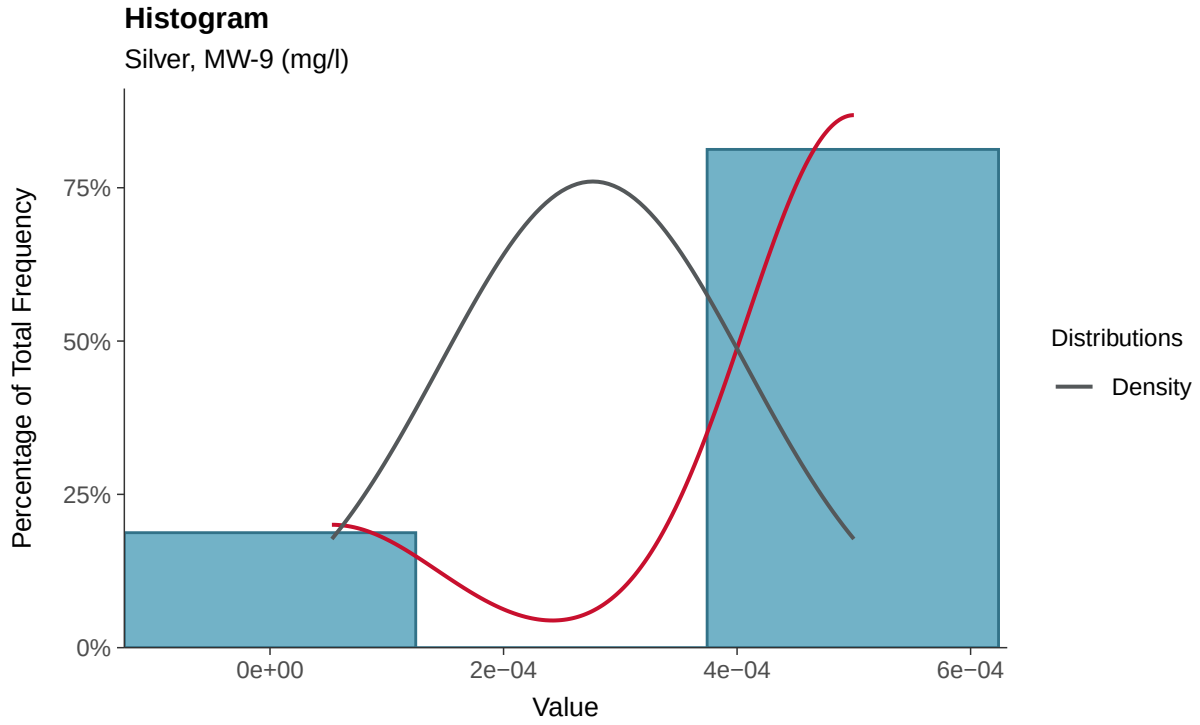



Trend Regression: Piecewise Linear-Linear
Nickel, MW-9 (mg/l)
0.005
0.004
0.003
0.002
0.001
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Silver, MW-9

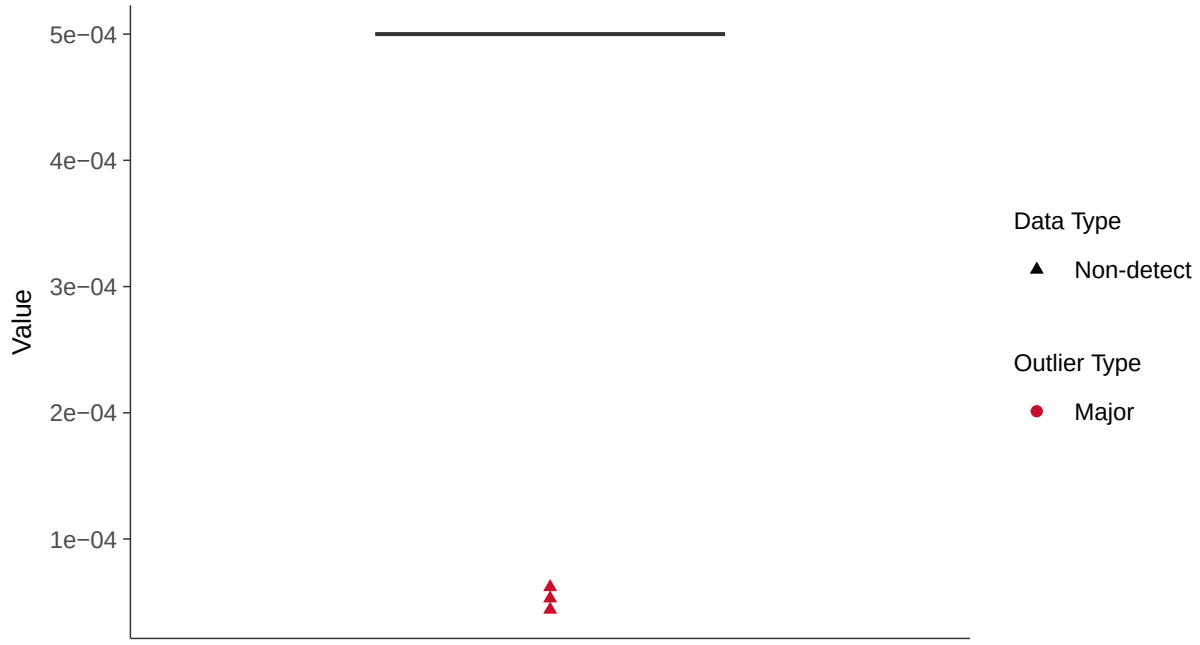
ID: 18_5_123





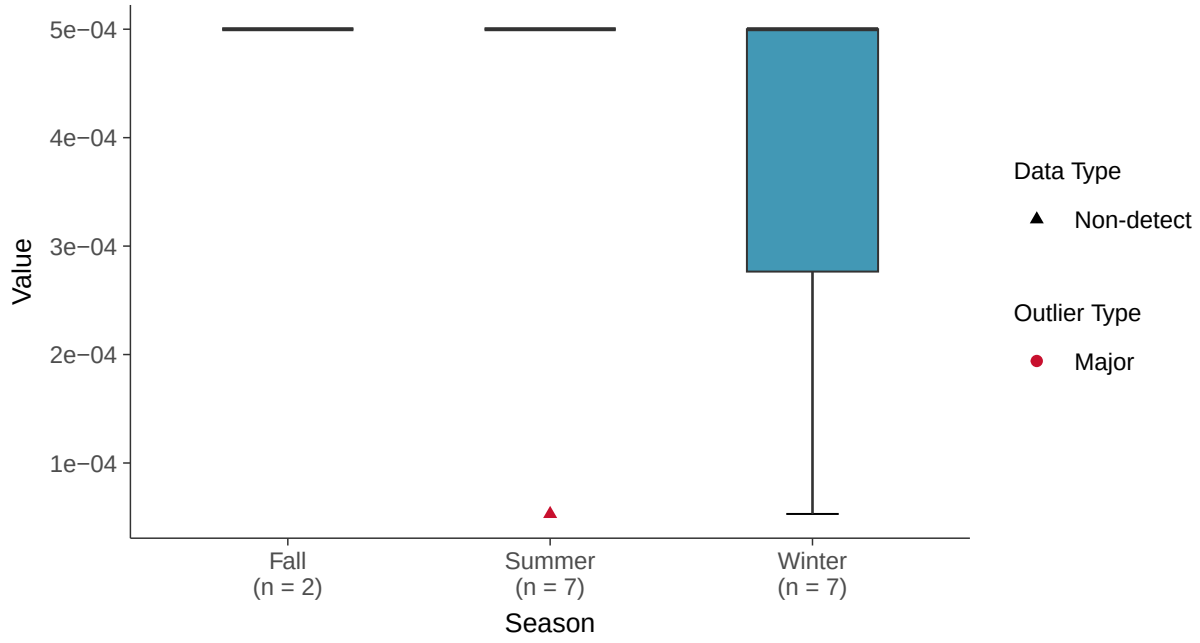
Boxplot

Silver, MW-9 (mg/l)



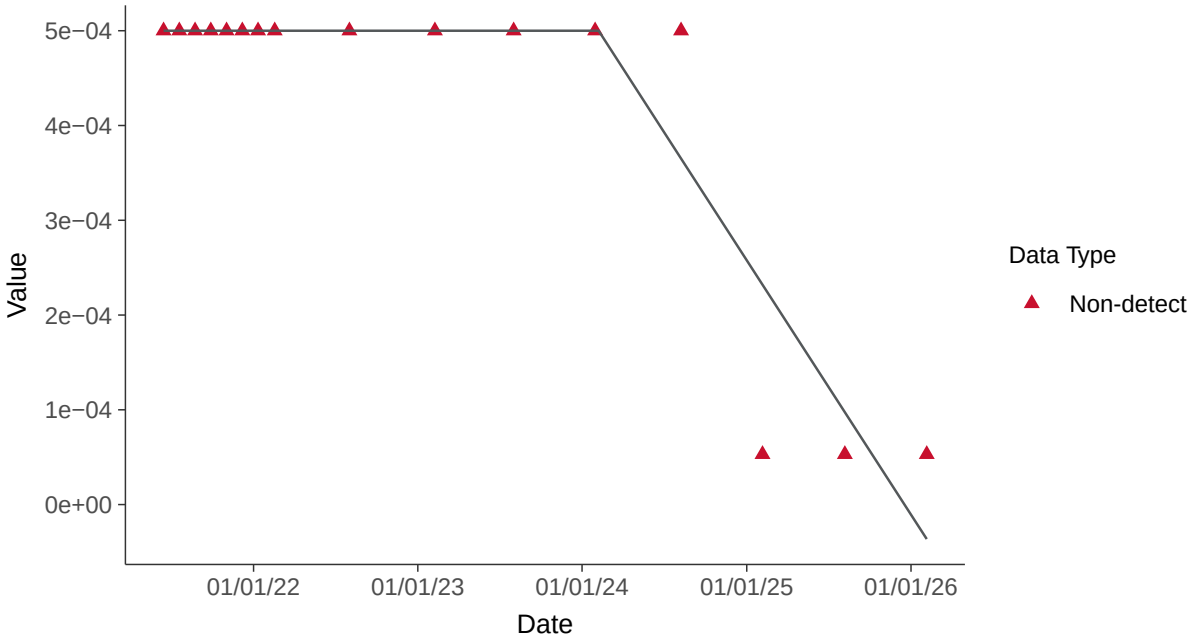
Boxplot by Season

Silver, MW-9 (mg/l)



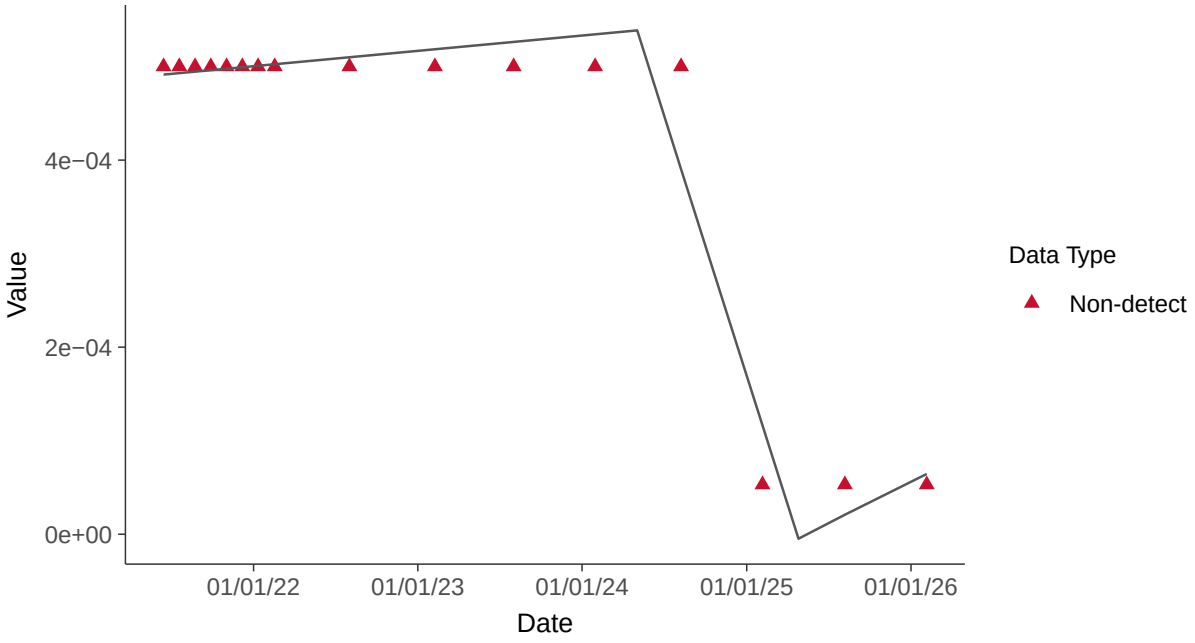
Trend Regression: Piecewise Linear-Linear

Silver, MW-9 (mg/l)



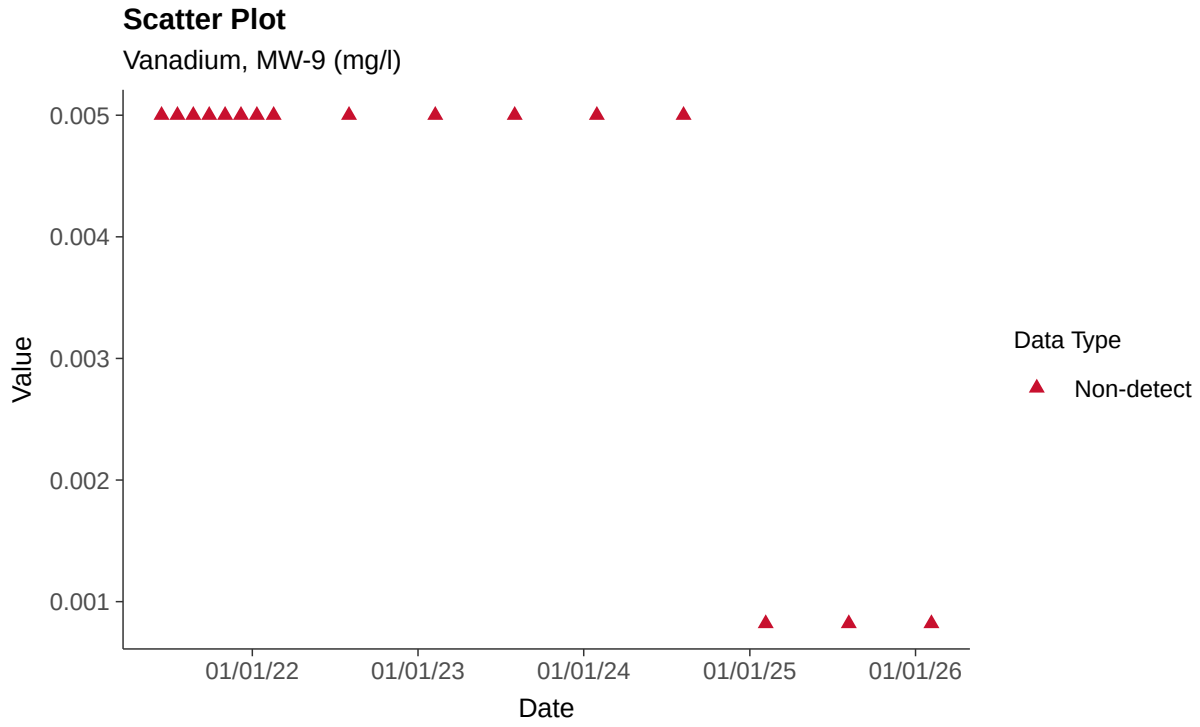
Trend Regression: Piecewise Linear-Linear-Linear

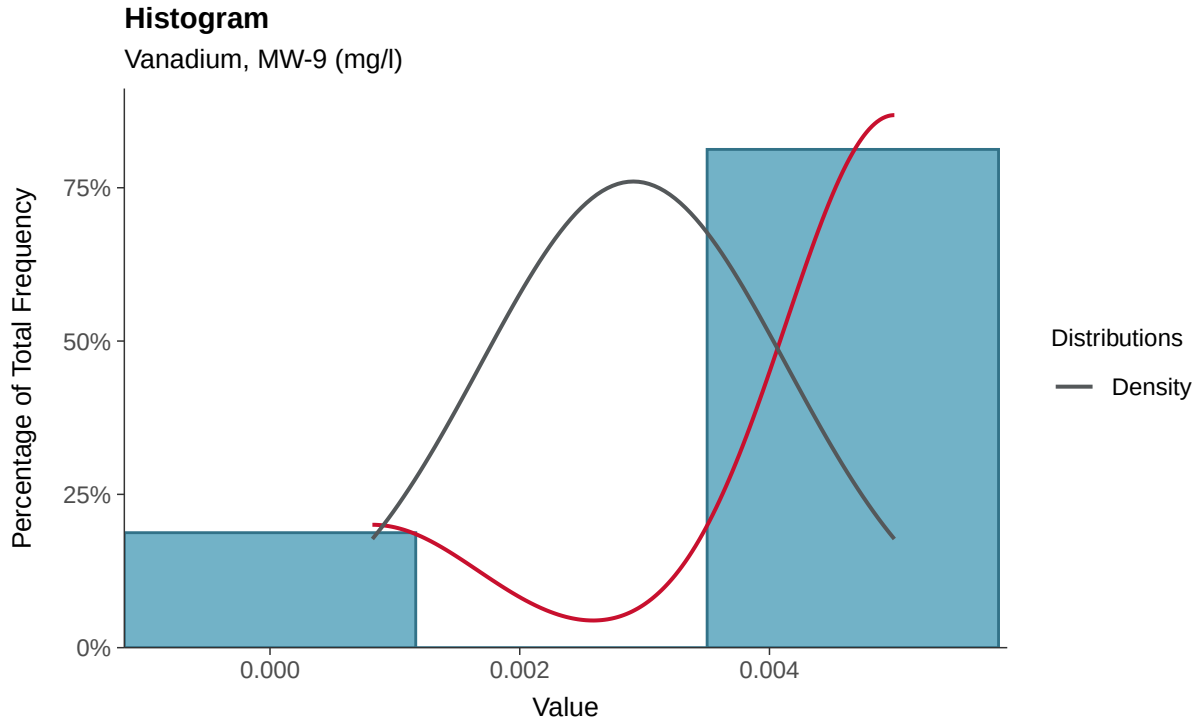
Silver, MW-9 (mg/l)



Part 115: Vanadium, MW-9

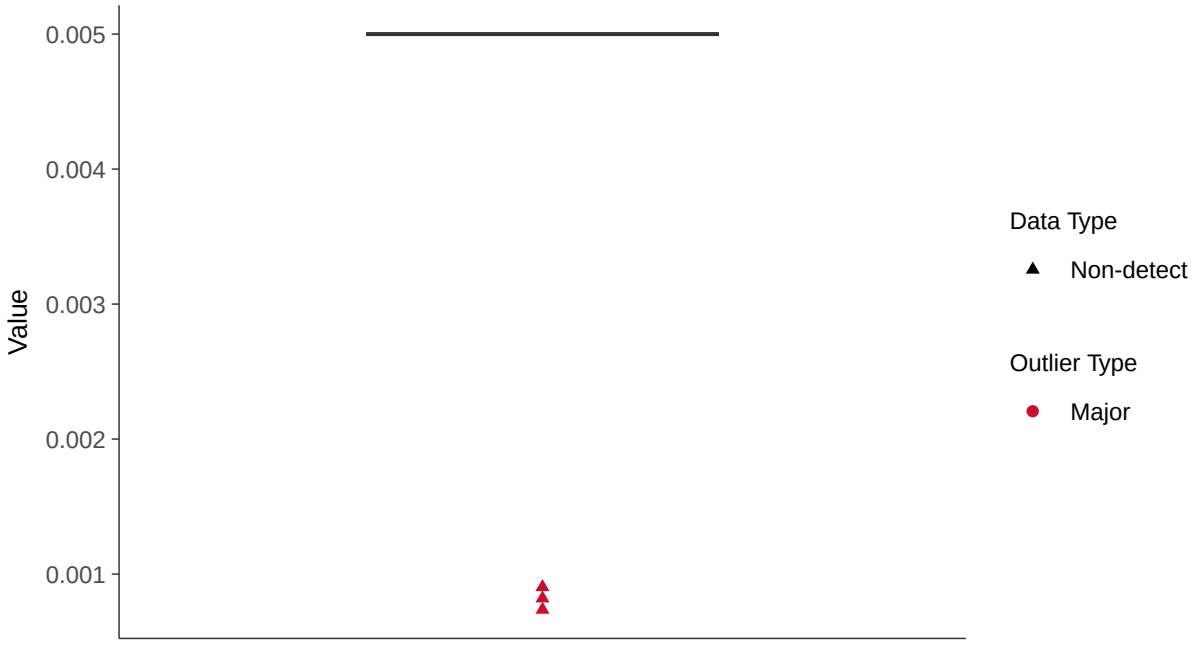
ID: 18_5_128





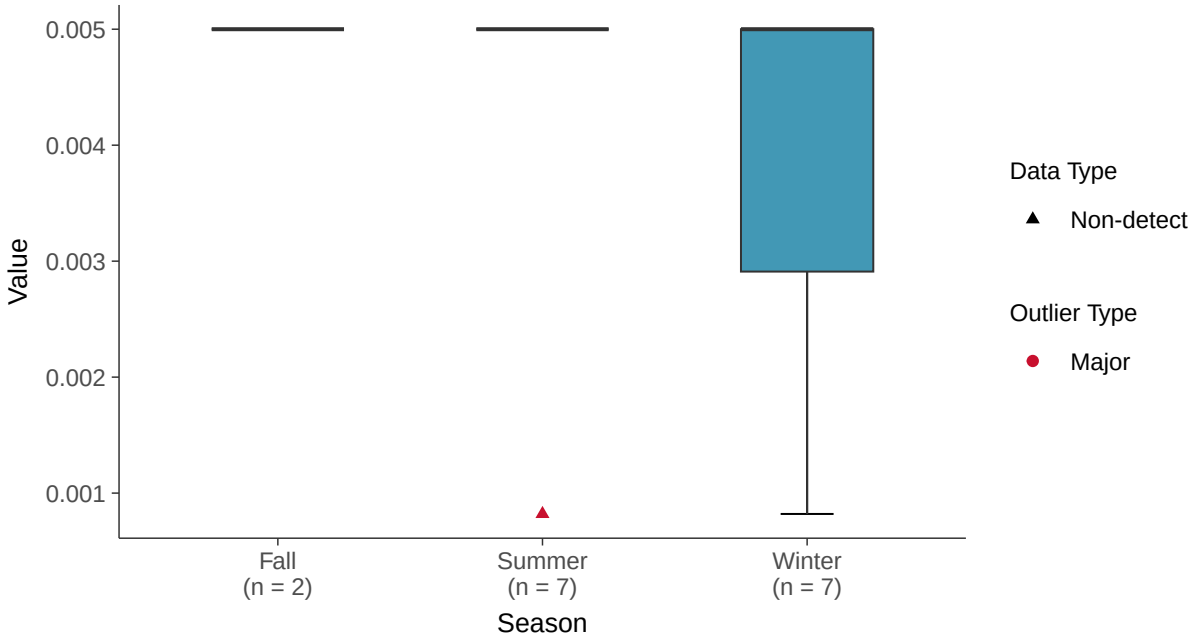
Boxplot

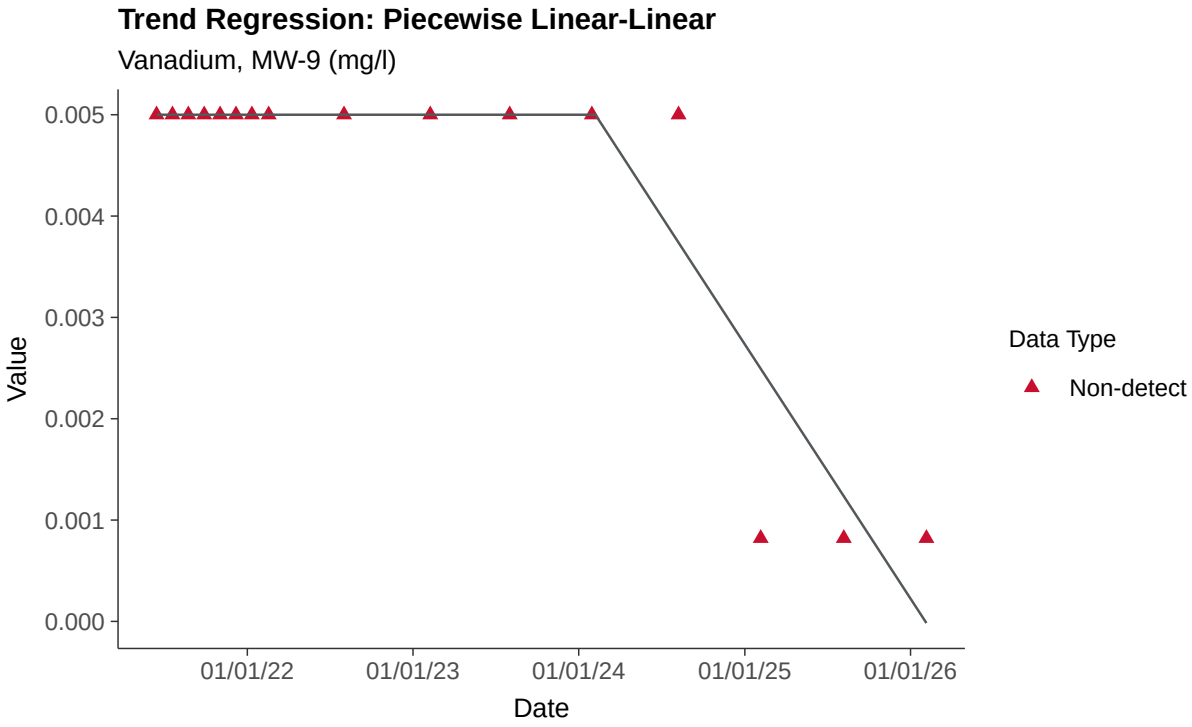
Vanadium, MW-9 (mg/l)



Boxplot by Season

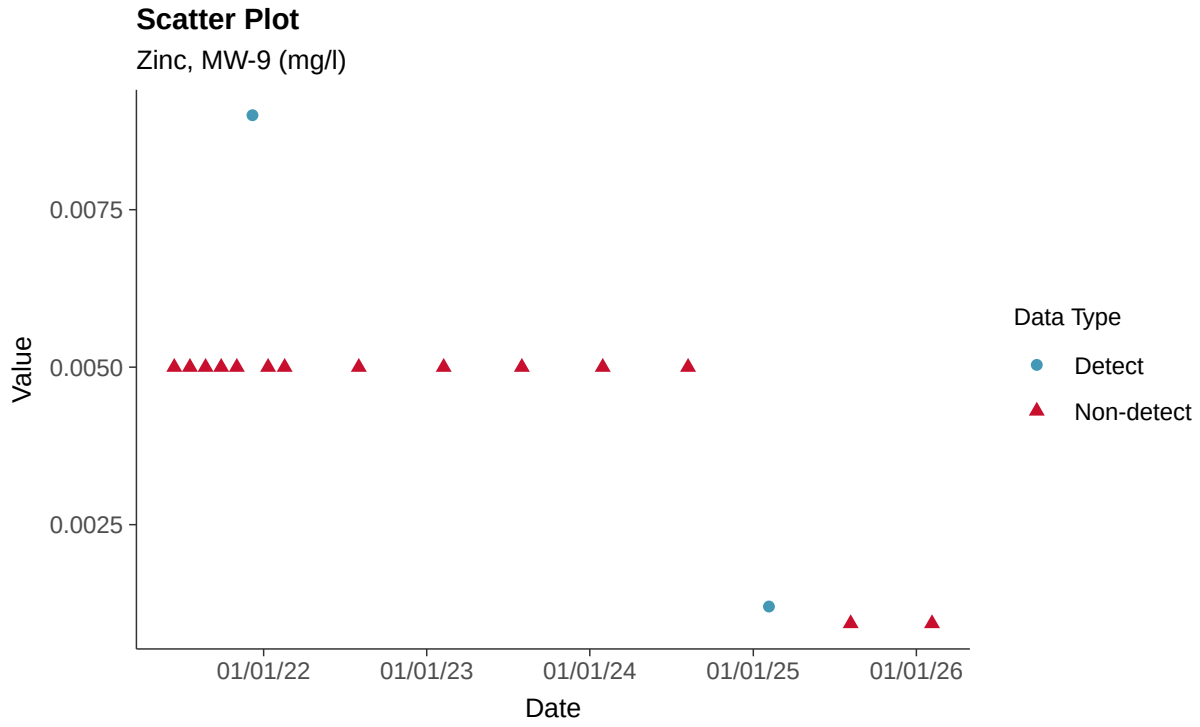
Vanadium, MW-9 (mg/l)

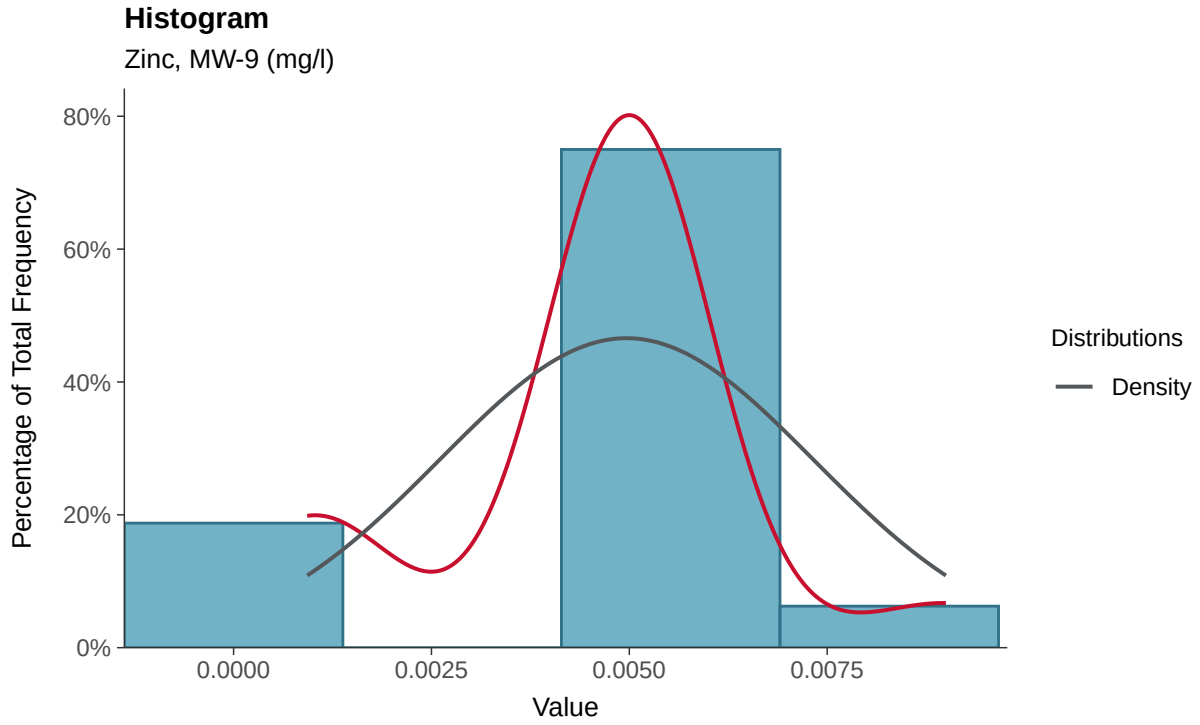



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-9 (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-9

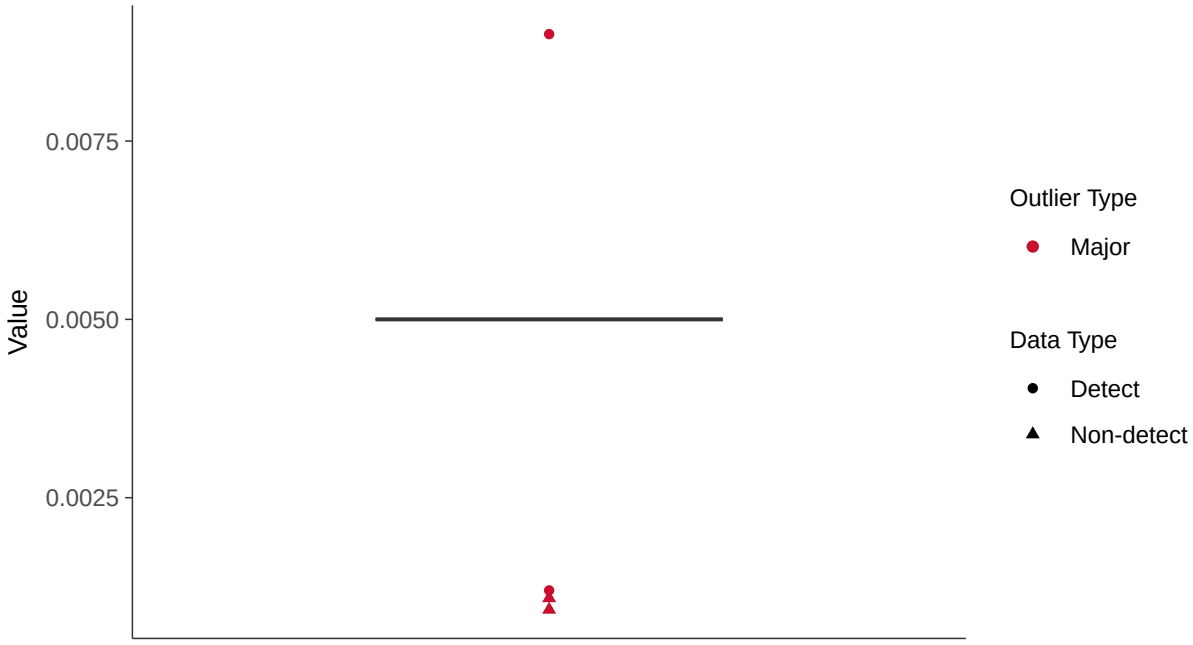
ID: 18_5_129





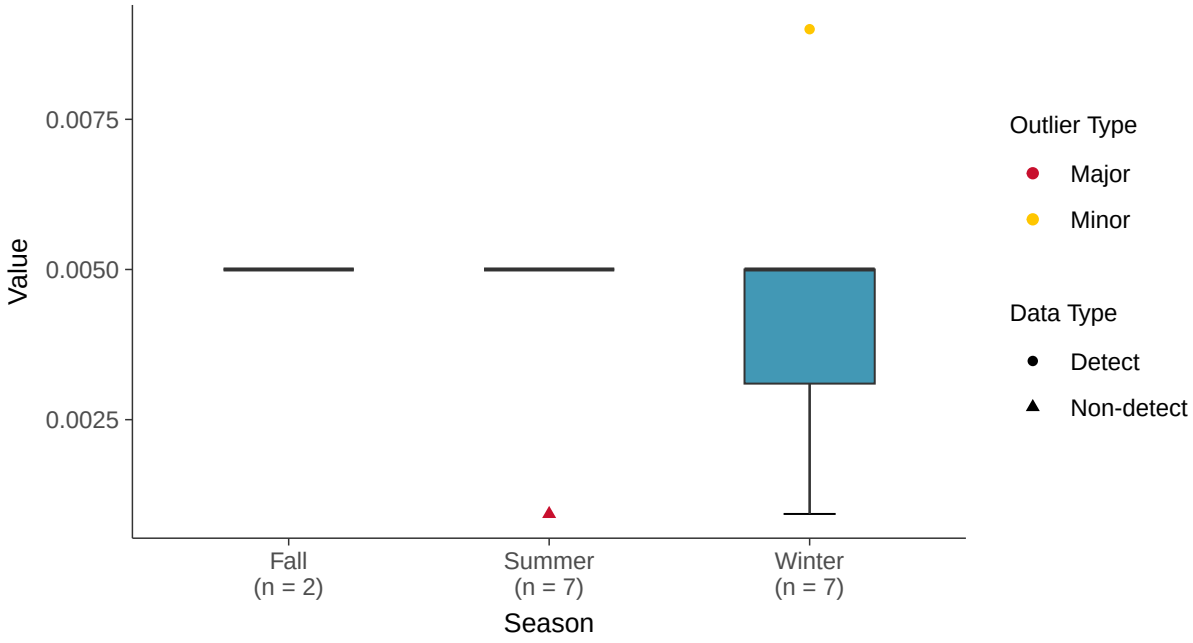
Boxplot

Zinc, MW-9 (mg/l)



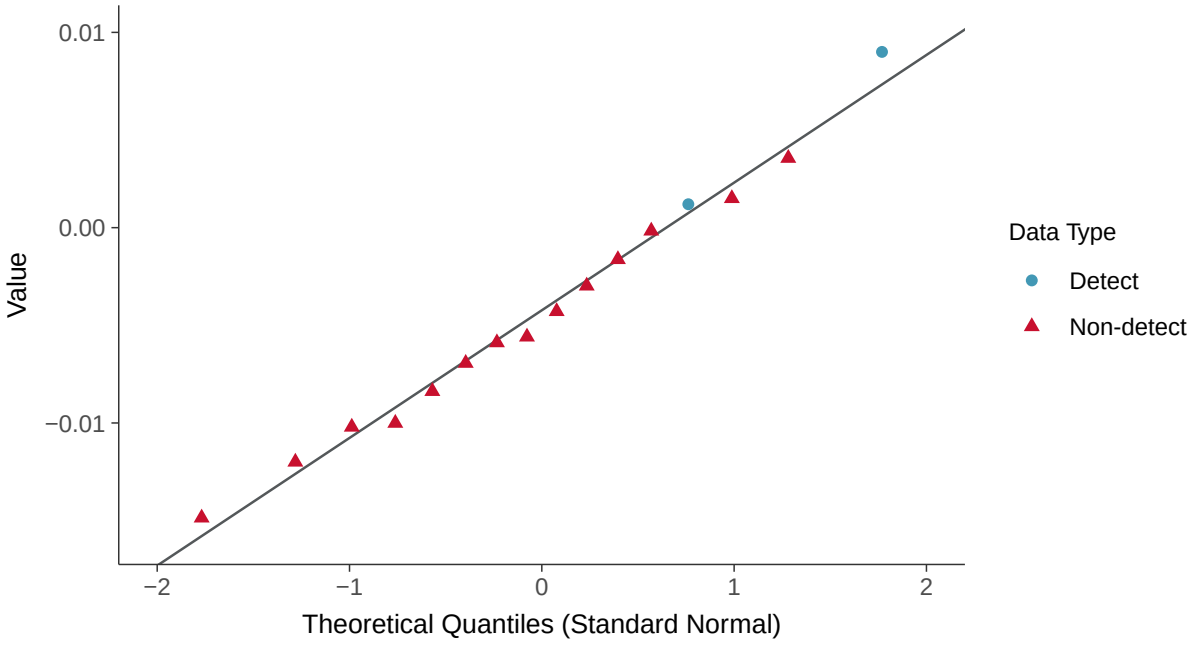
Boxplot by Season

Zinc, MW-9 (mg/l)



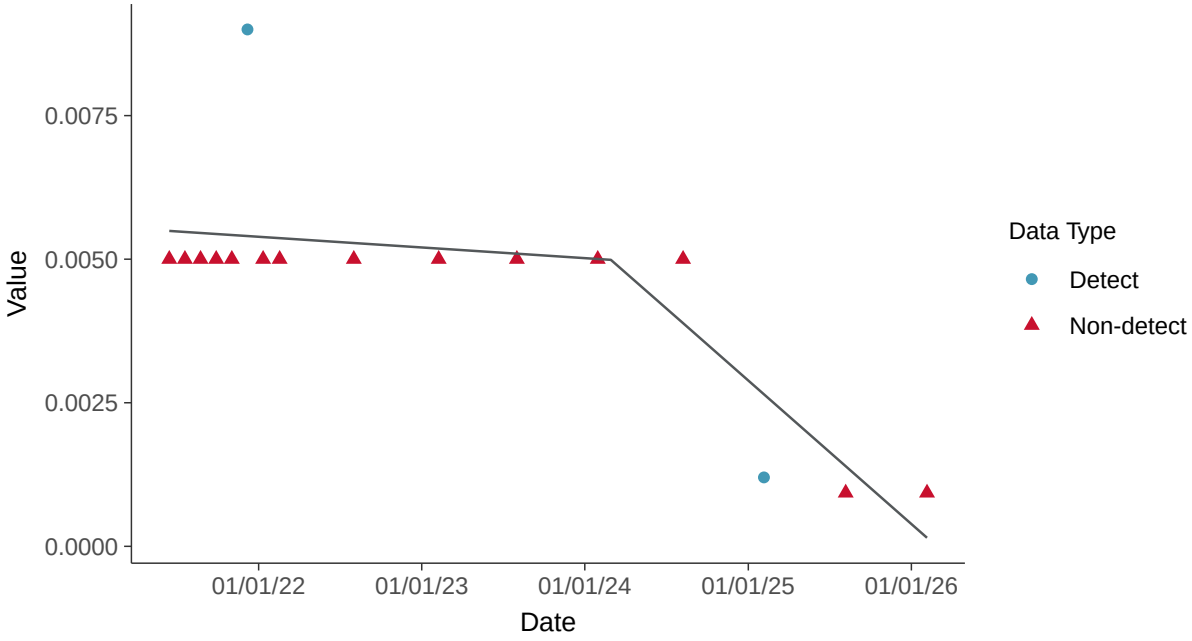
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-9 (mg/l)



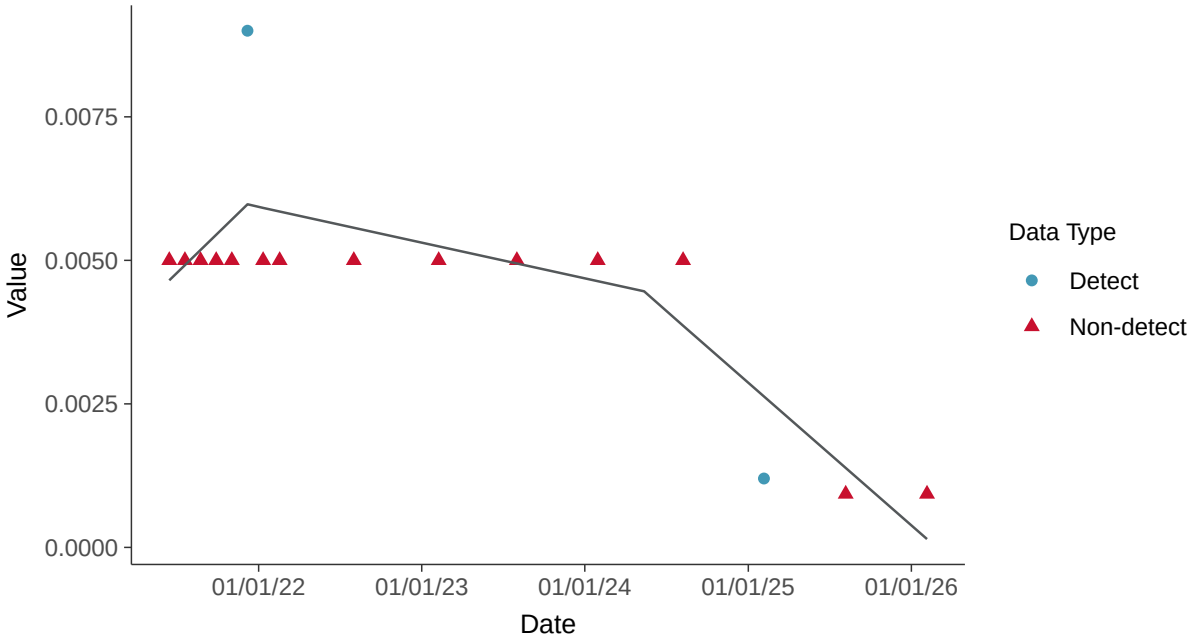
Trend Regression: Piecewise Linear-Linear

Zinc, MW-9 (mg/l)



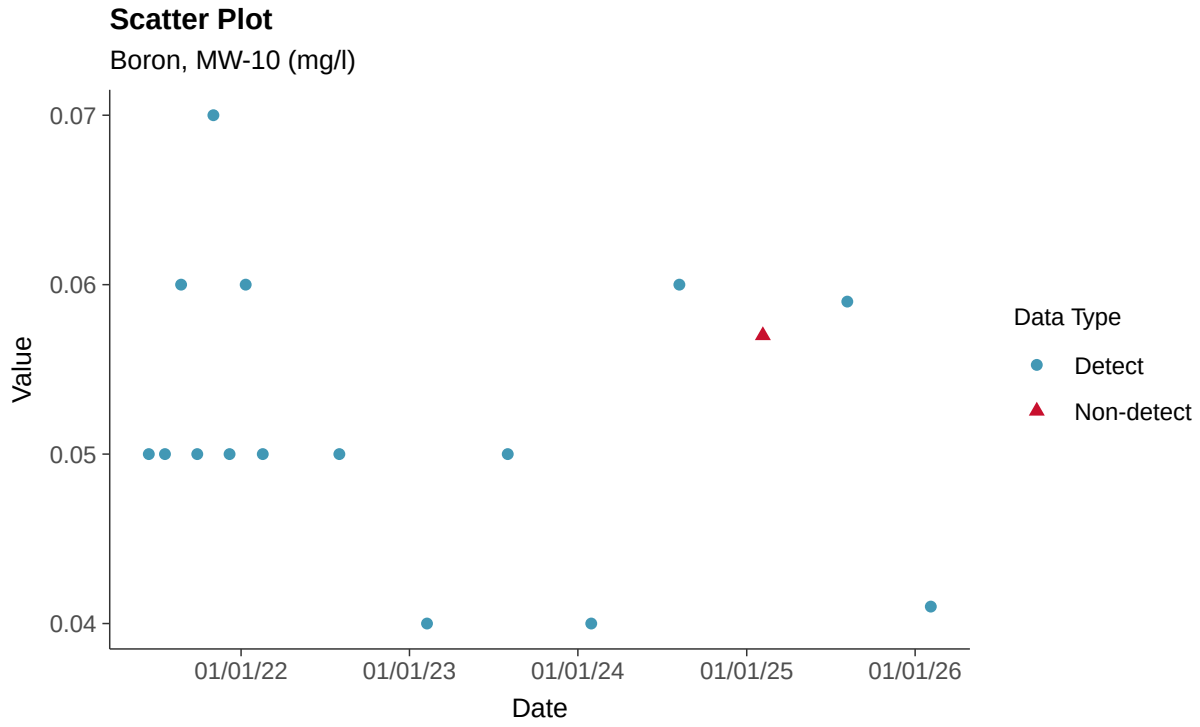
Trend Regression: Piecewise Linear-Linear-Linear

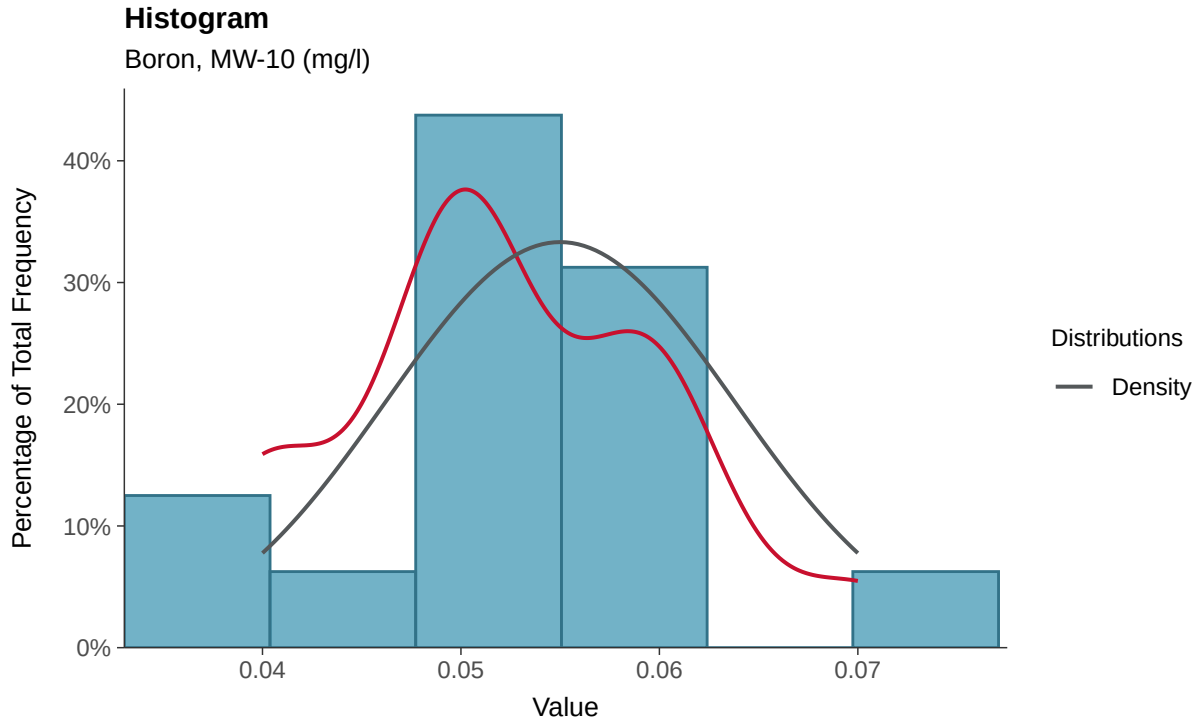
Zinc, MW-9 (mg/l)



Appendix III: Boron, MW-10

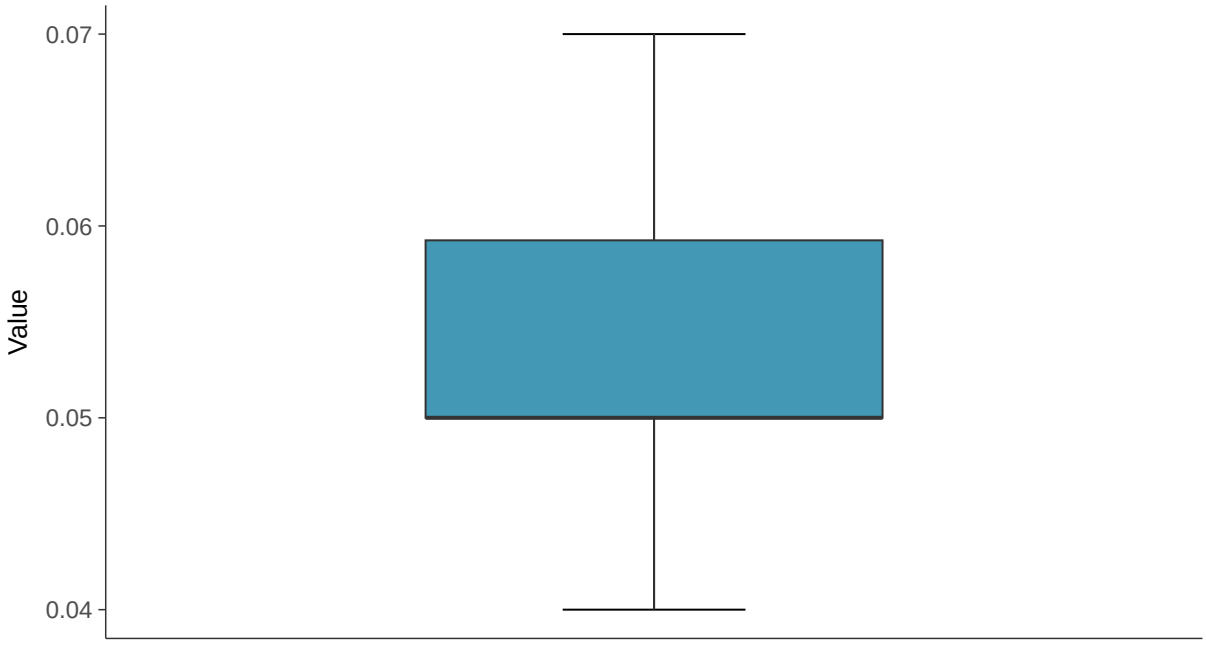
ID: 19_2_105





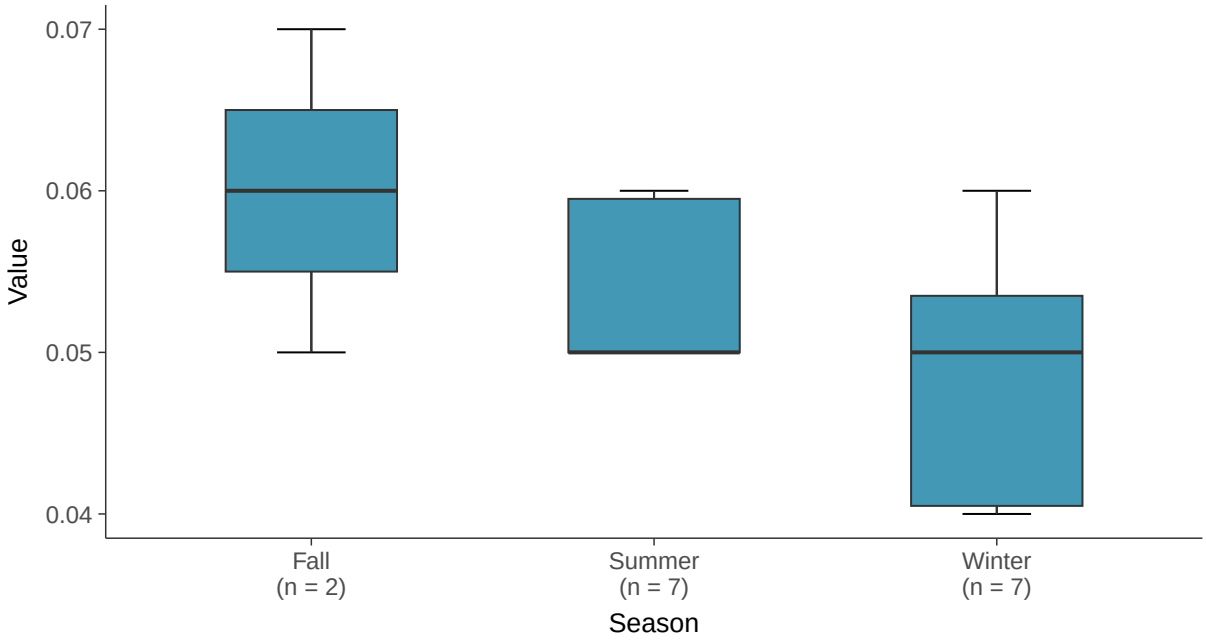
Boxplot

Boron, MW-10 (mg/l)



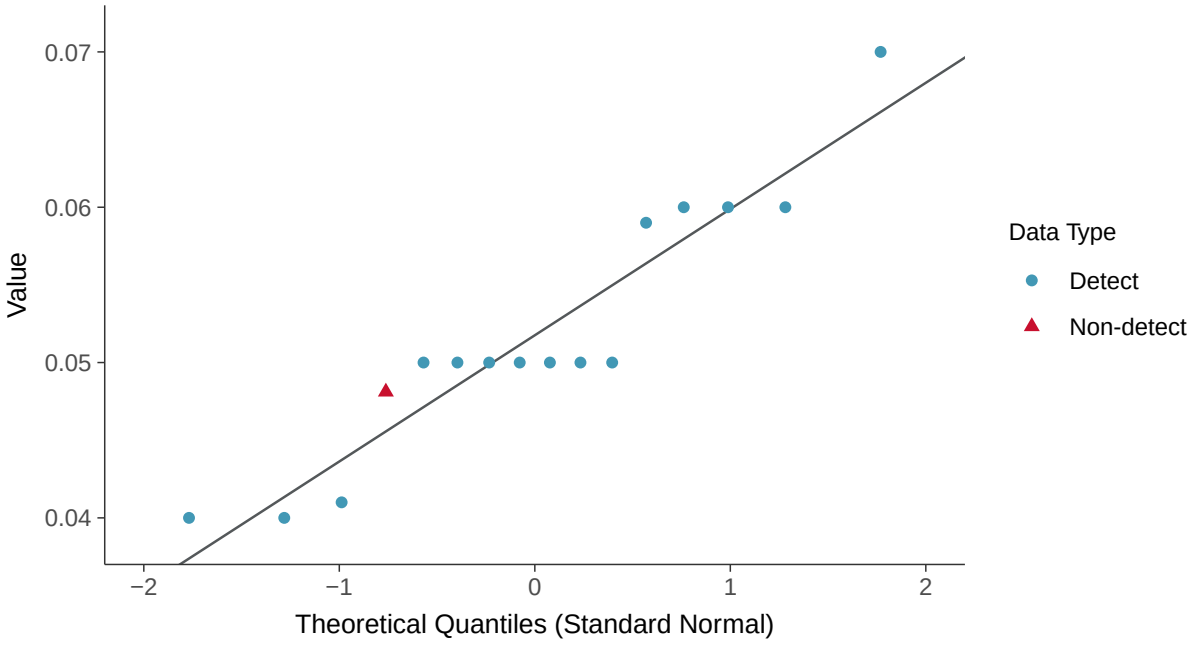
Boxplot by Season

Boron, MW-10 (mg/l)



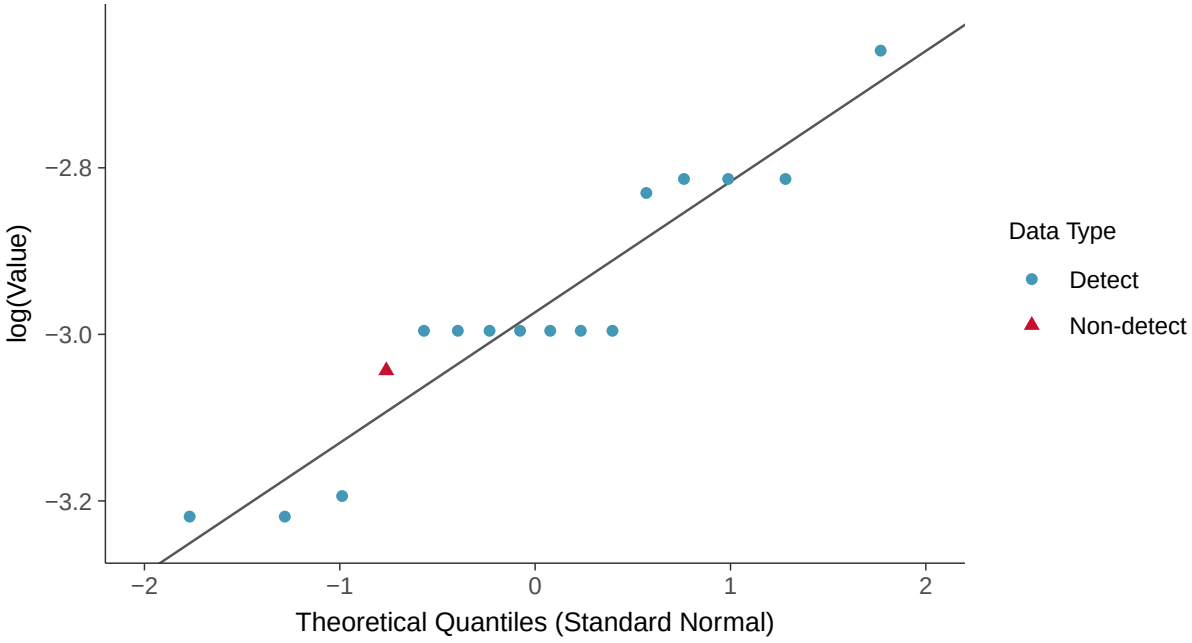
Normal Q-Q plot using ROS Imputed Estimates

Boron, MW-10 (mg/l)



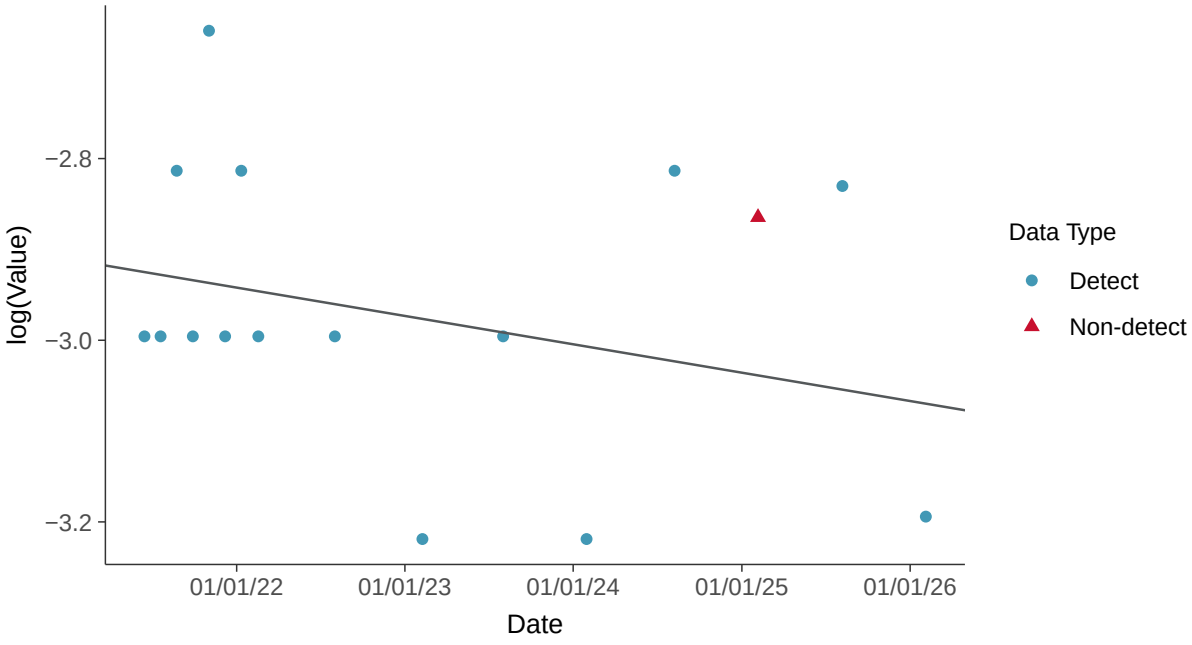
Lognormal Q-Q plot using ROS Imputed Estimates

Boron, MW-10 (mg/l)



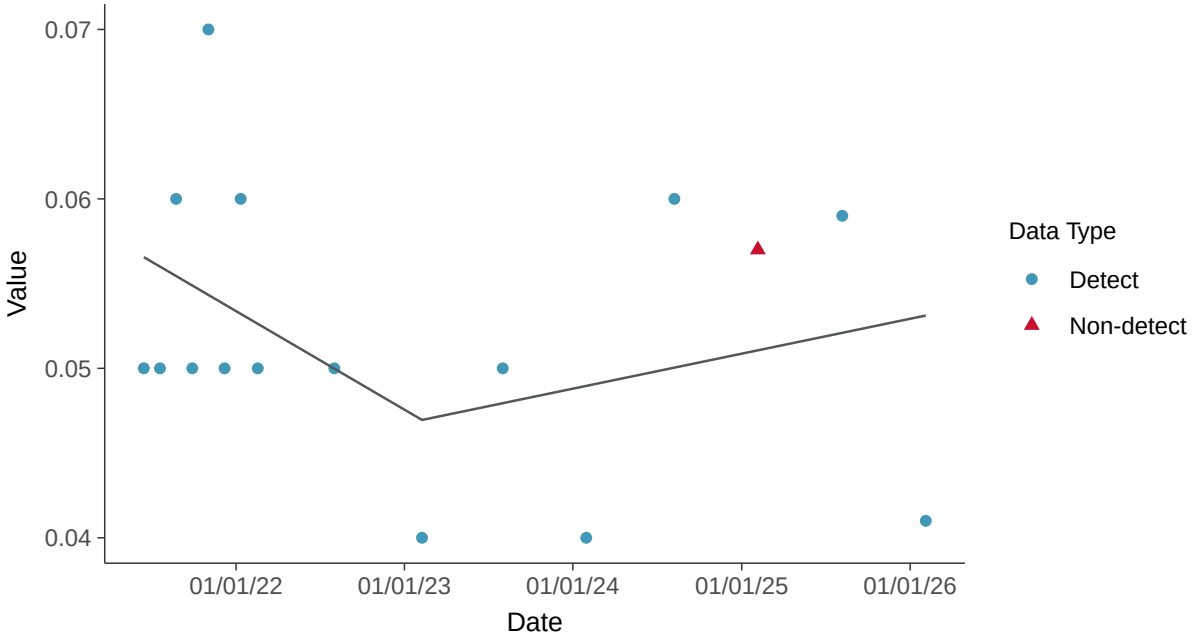
Trend Regression: Lognormal MLE

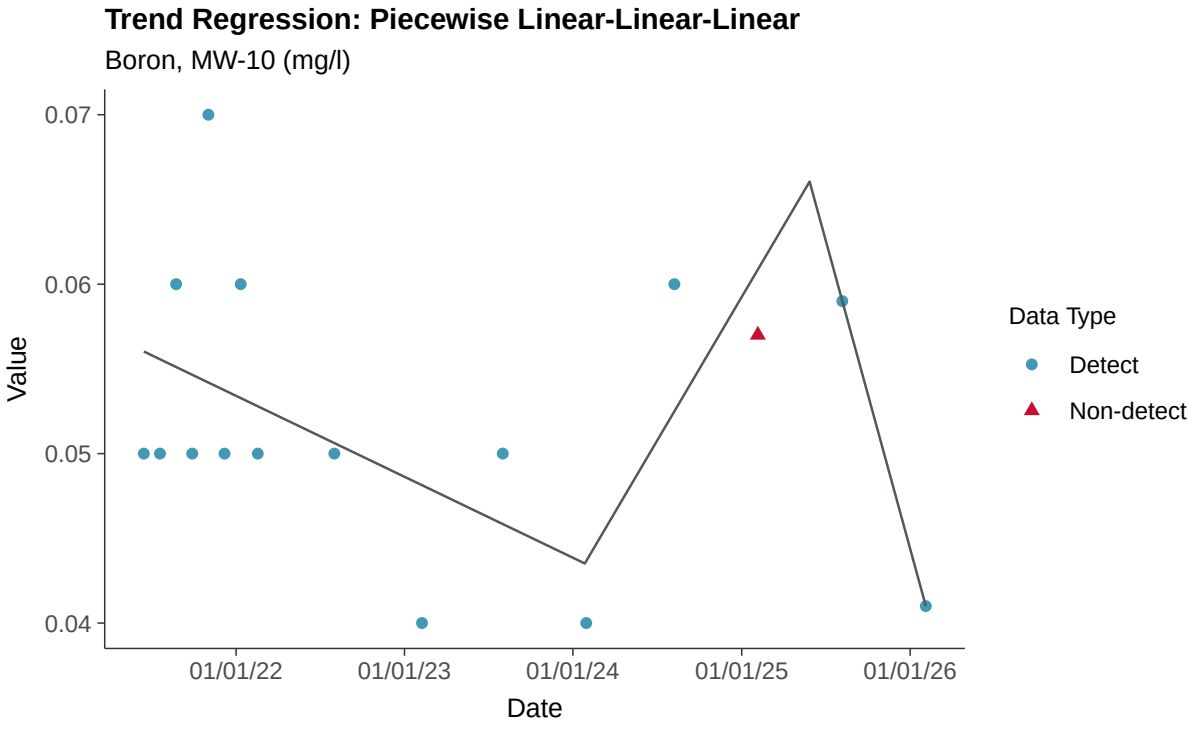
Boron, MW-10 (mg/l)



Trend Regression: Piecewise Linear-Linear

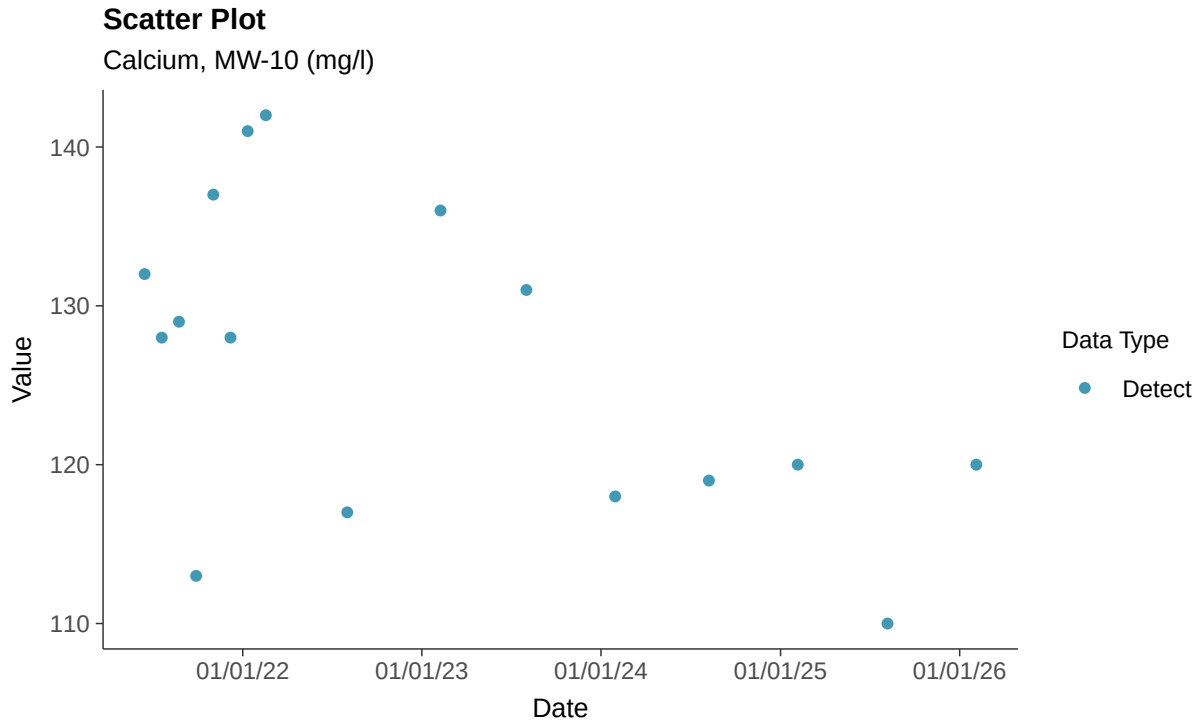
Boron, MW-10 (mg/l)

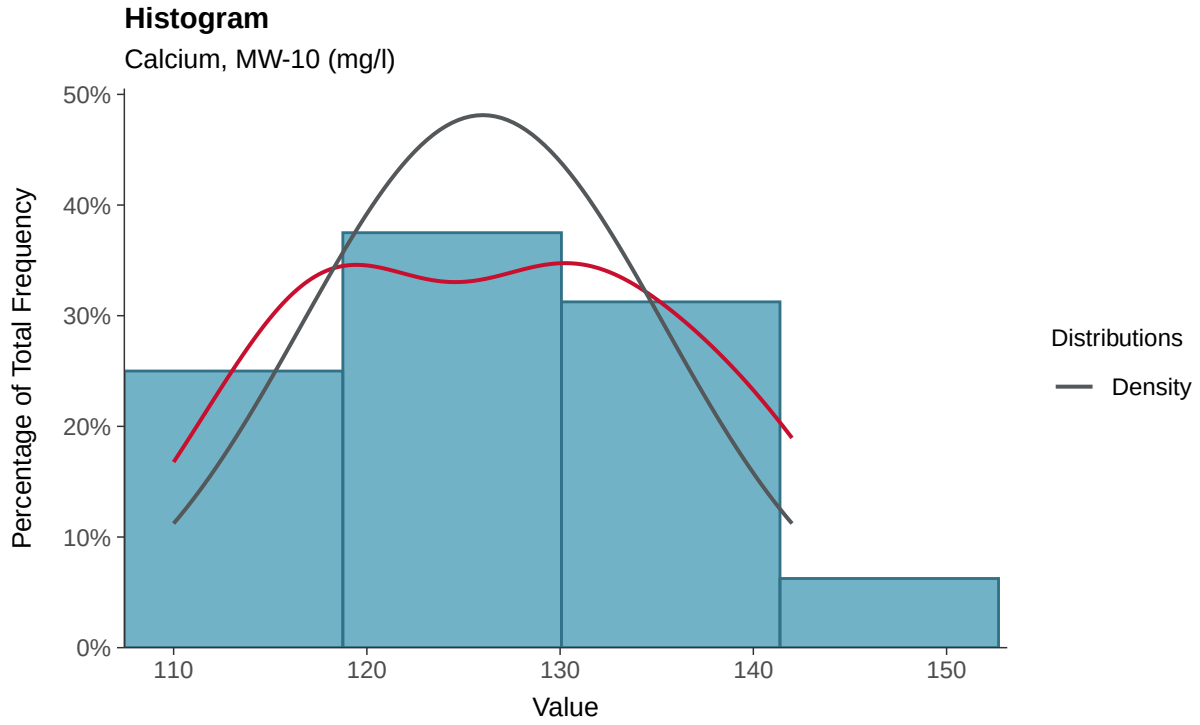



Trend Regression: Piecewise Linear-Linear-Linear
Boron, MW-10 (mg/l)
0.07
0.06
0.05
0.04
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: Calcium, MW-10

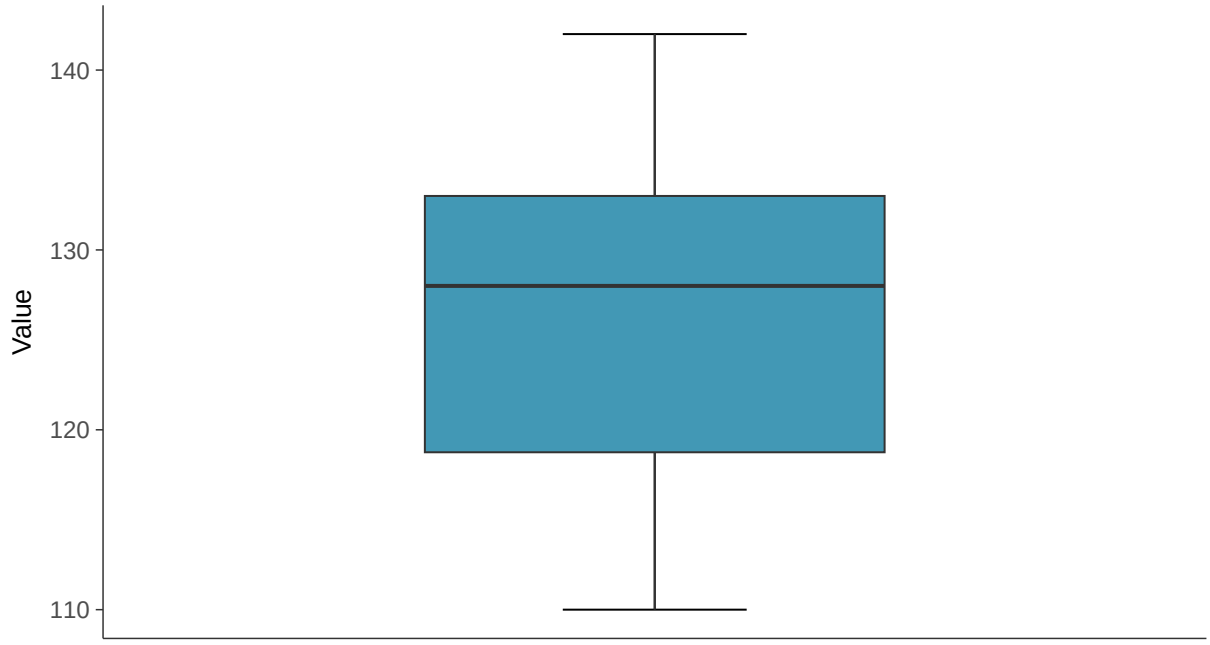
ID: 19_2_107





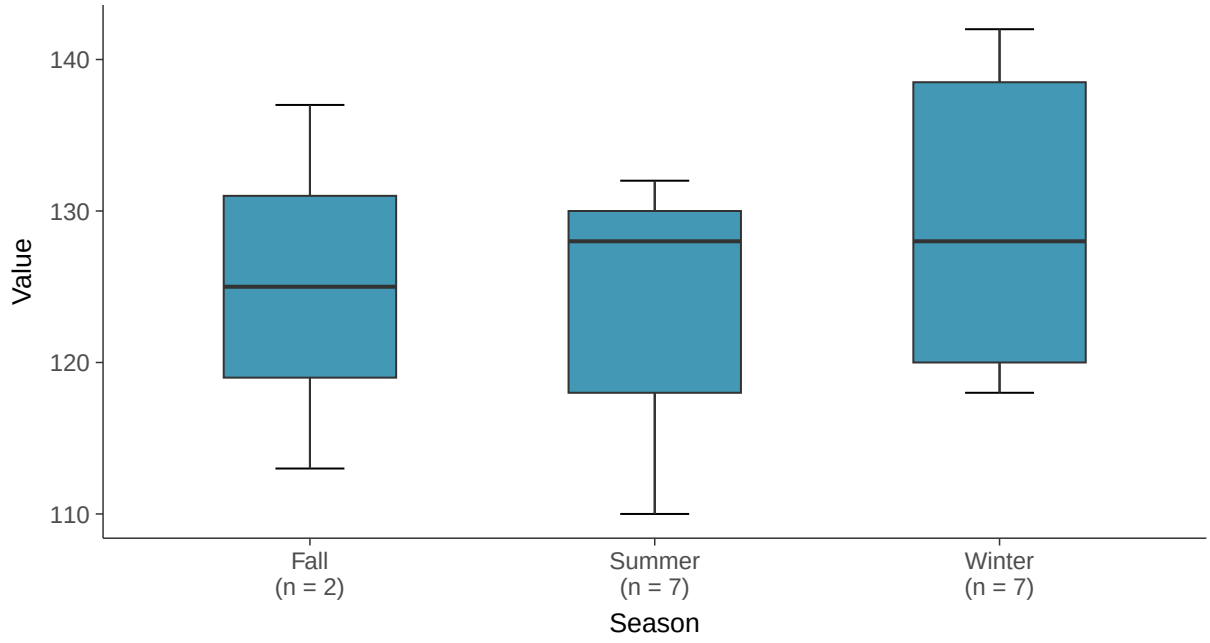
Boxplot

Calcium, MW-10 (mg/l)



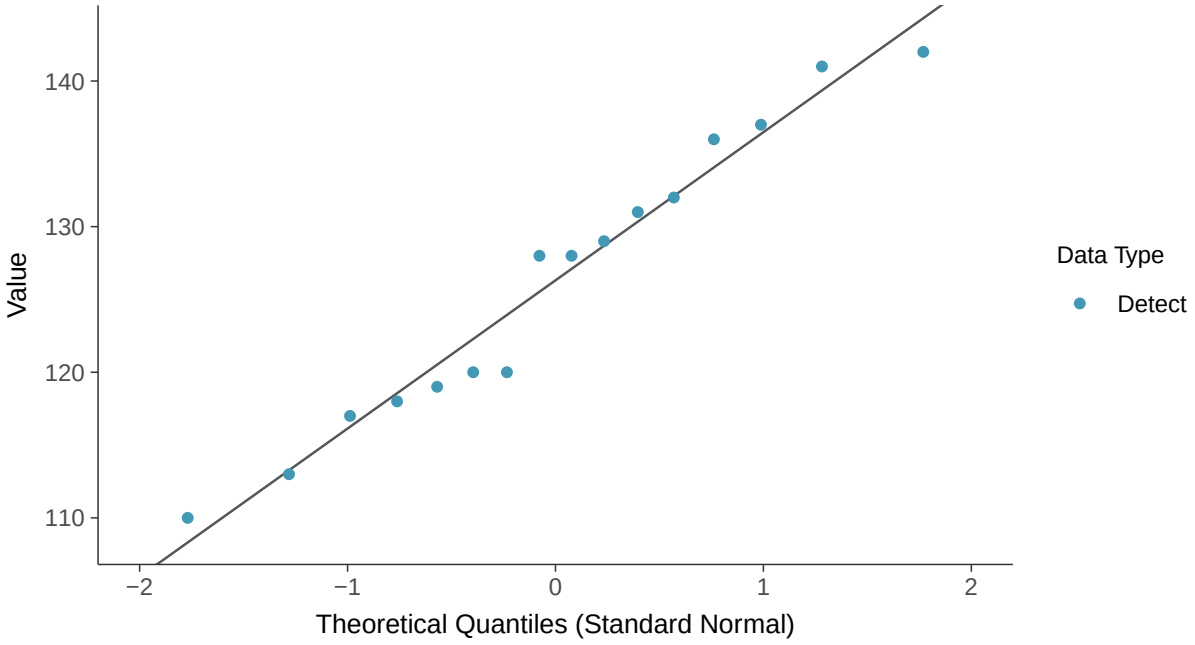
Boxplot by Season

Calcium, MW-10 (mg/l)



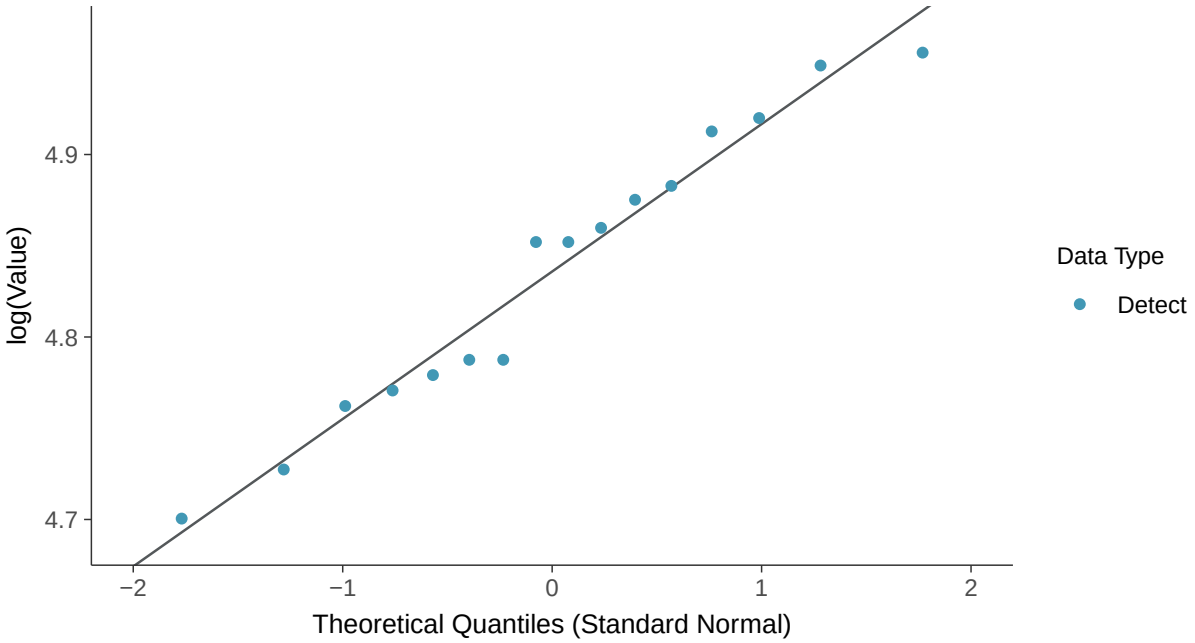
Normal Q-Q plot

Calcium, MW-10 (mg/l)



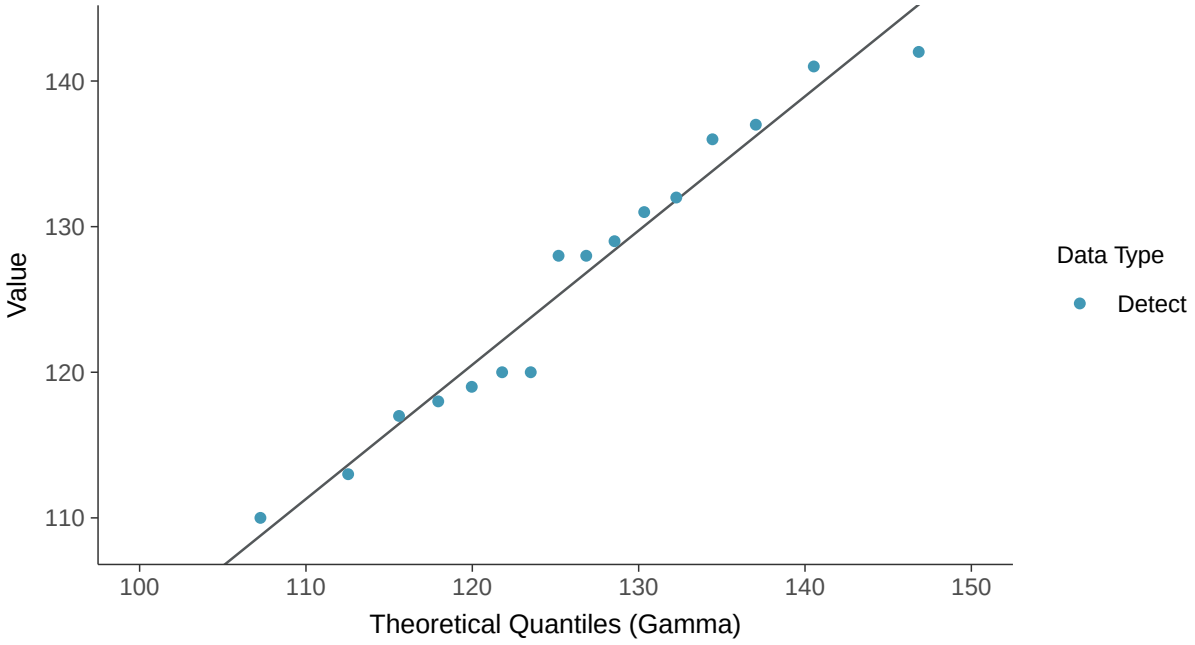
Lognormal Q-Q plot

Calcium, MW-10 (mg/l)



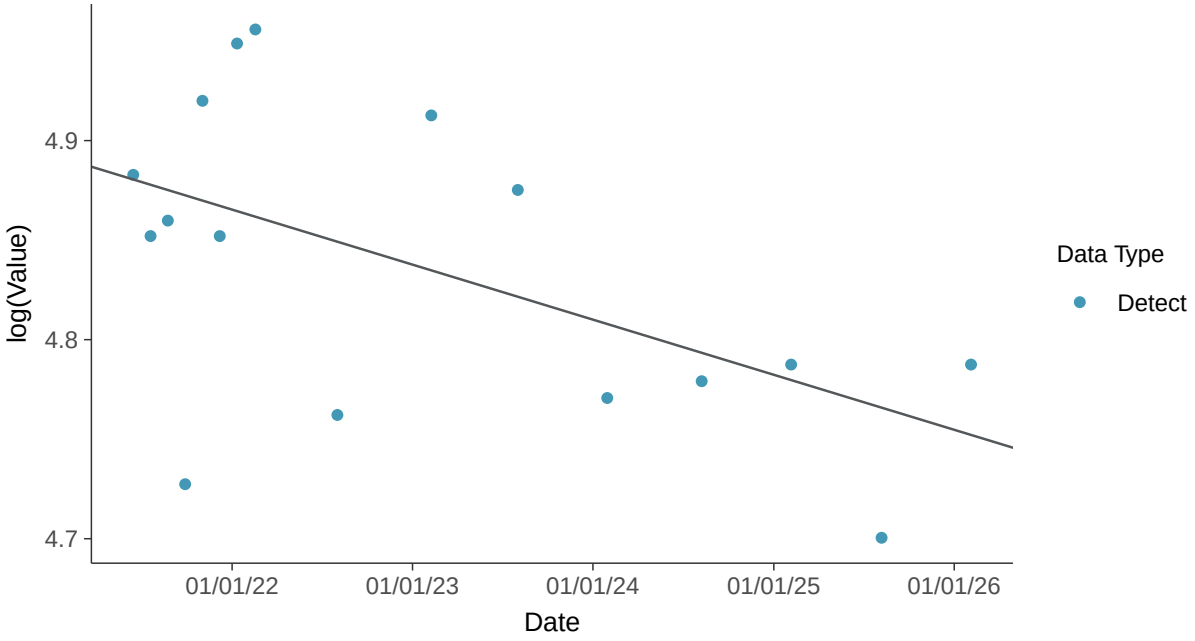
Gamma Q-Q plot

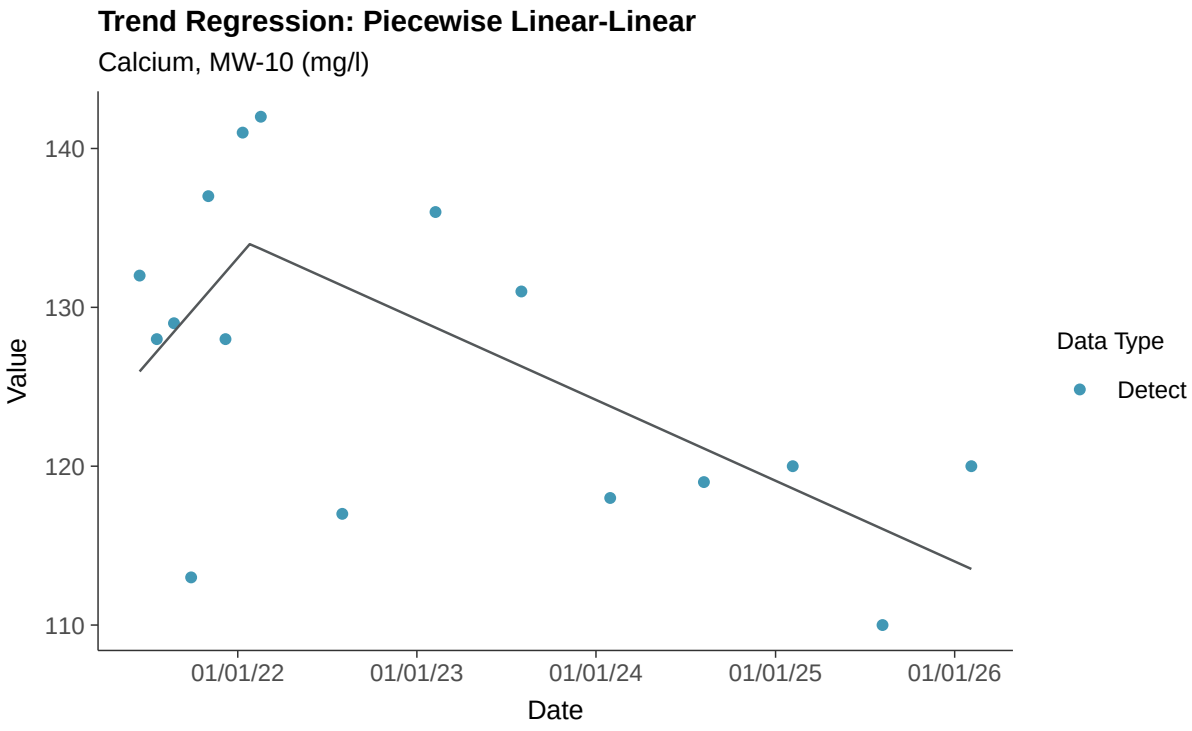
Calcium, MW-10 (mg/l)



Trend Regression: Lognormal MLE

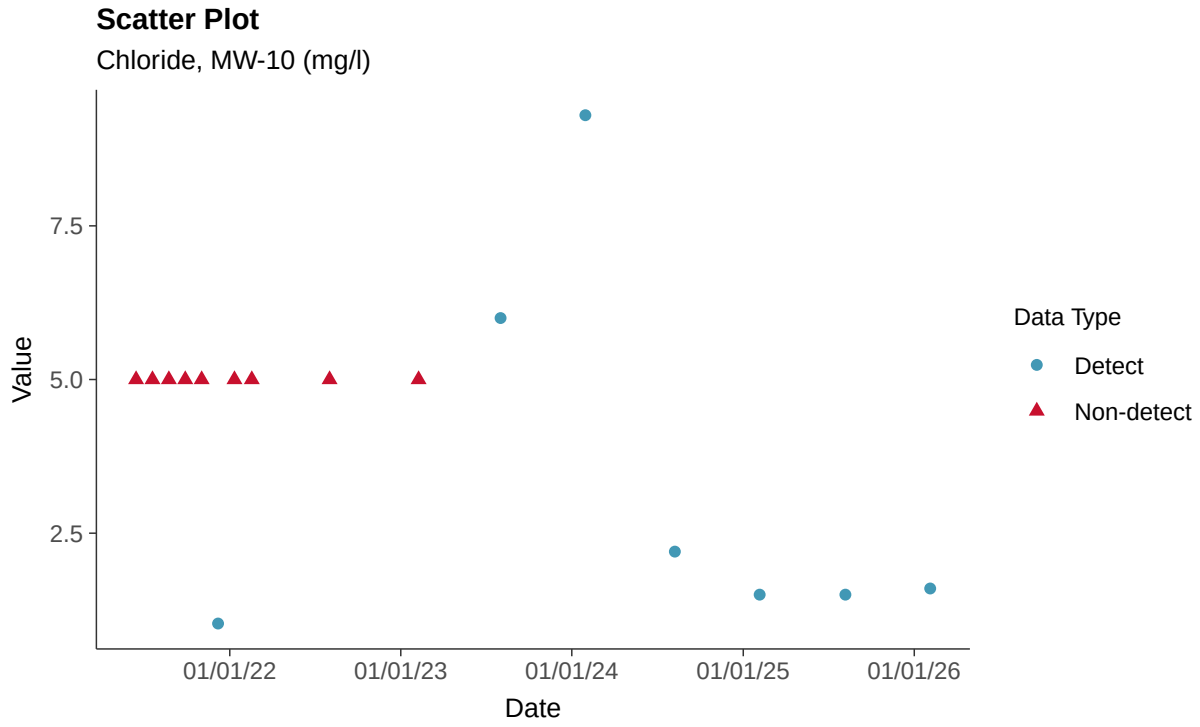
Calcium, MW-10 (mg/l)

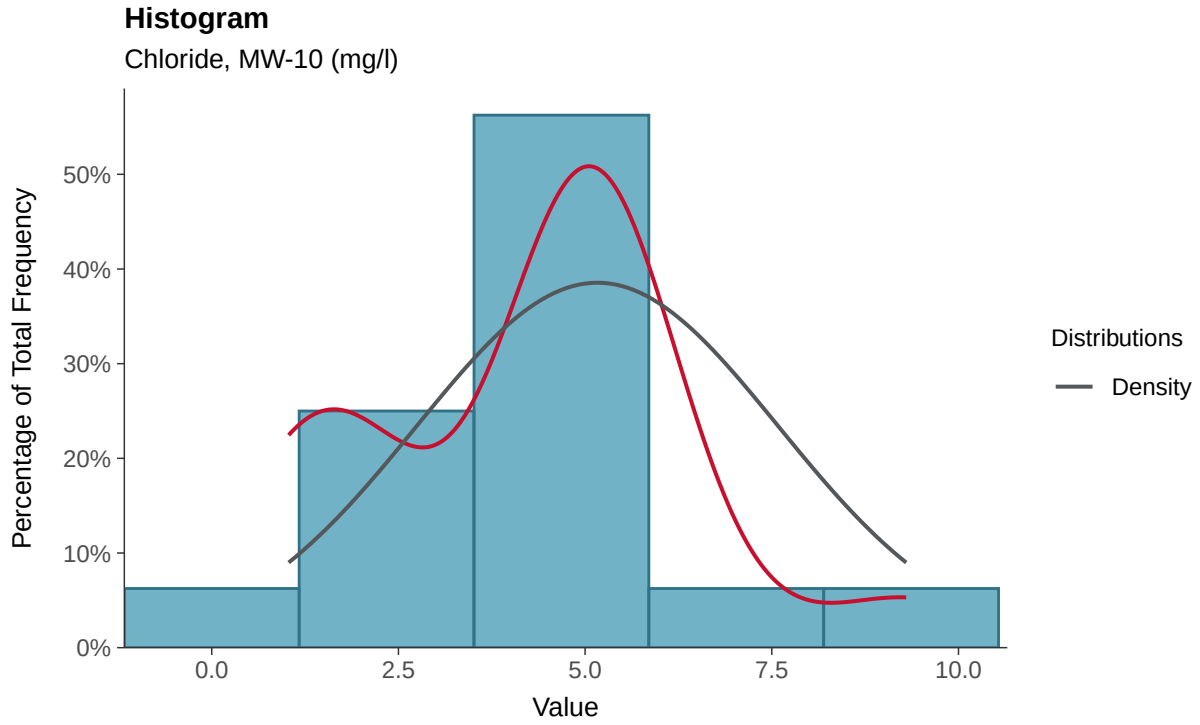



Trend Regression: Piecewise Linear-Linear
Calcium, MW-10 (mg/l)
Value
140
130
120
110
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Chloride, MW-10

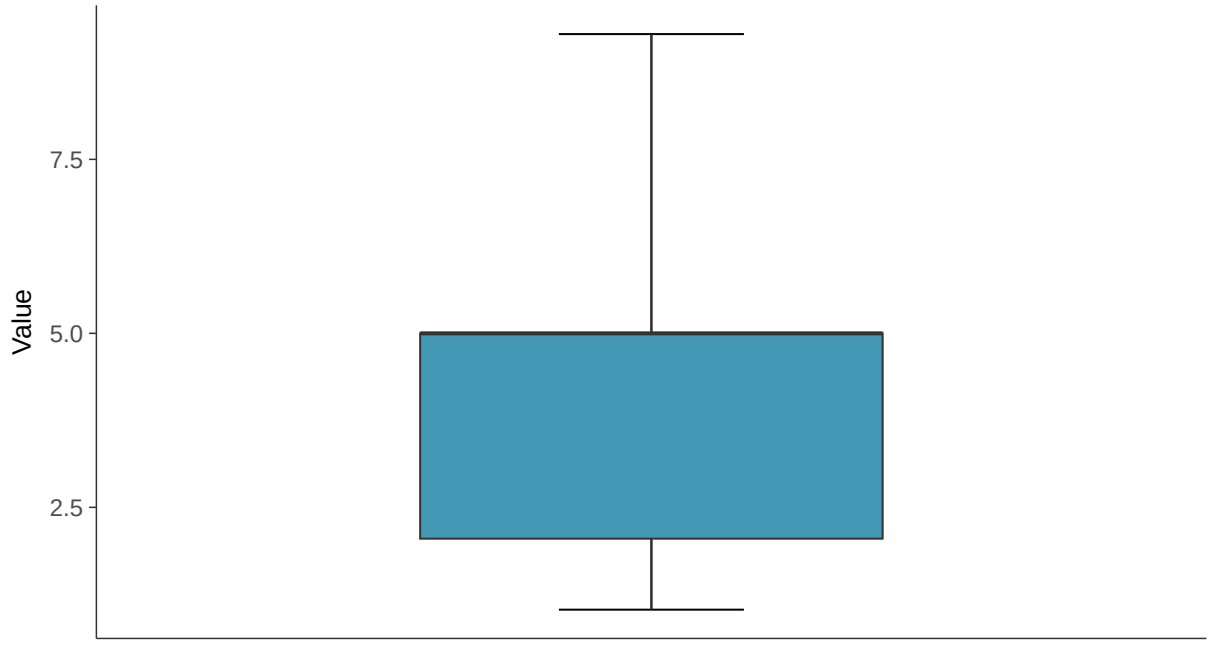
ID: 19_2_108





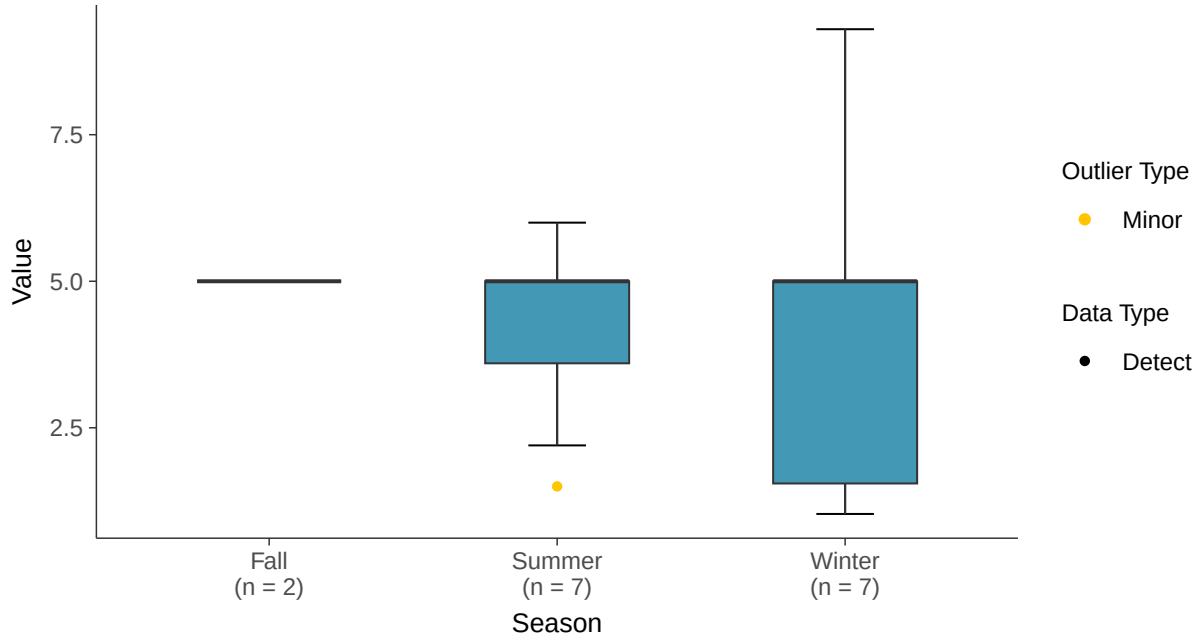
Boxplot

Chloride, MW-10 (mg/l)



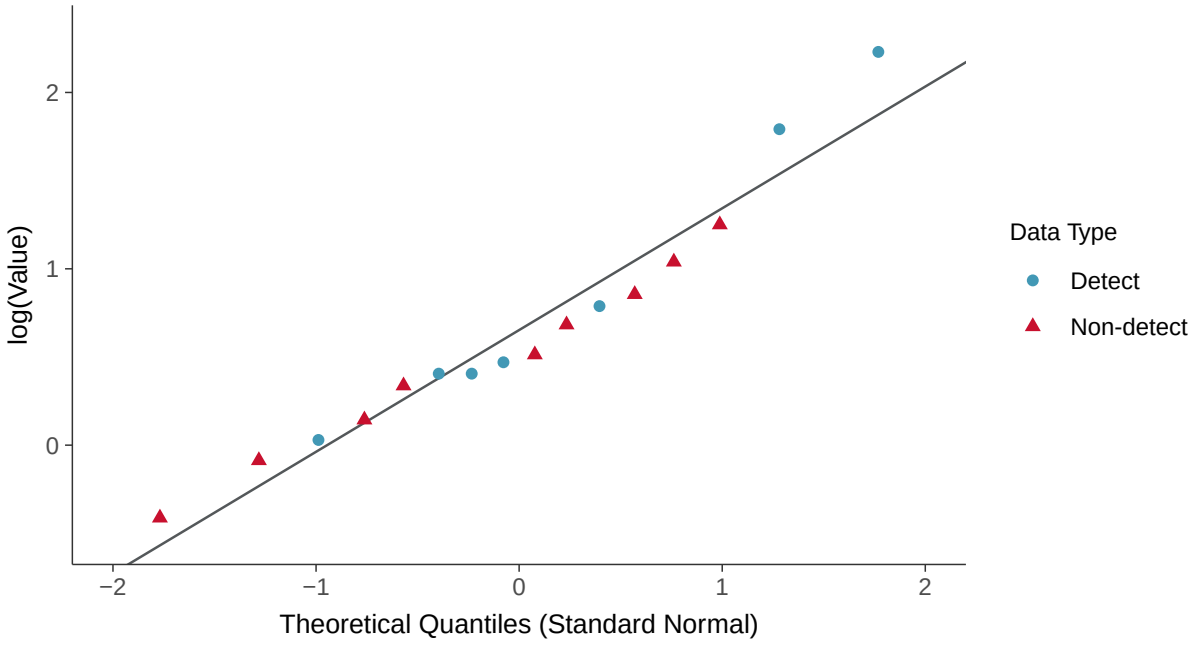
Boxplot by Season

Chloride, MW-10 (mg/l)



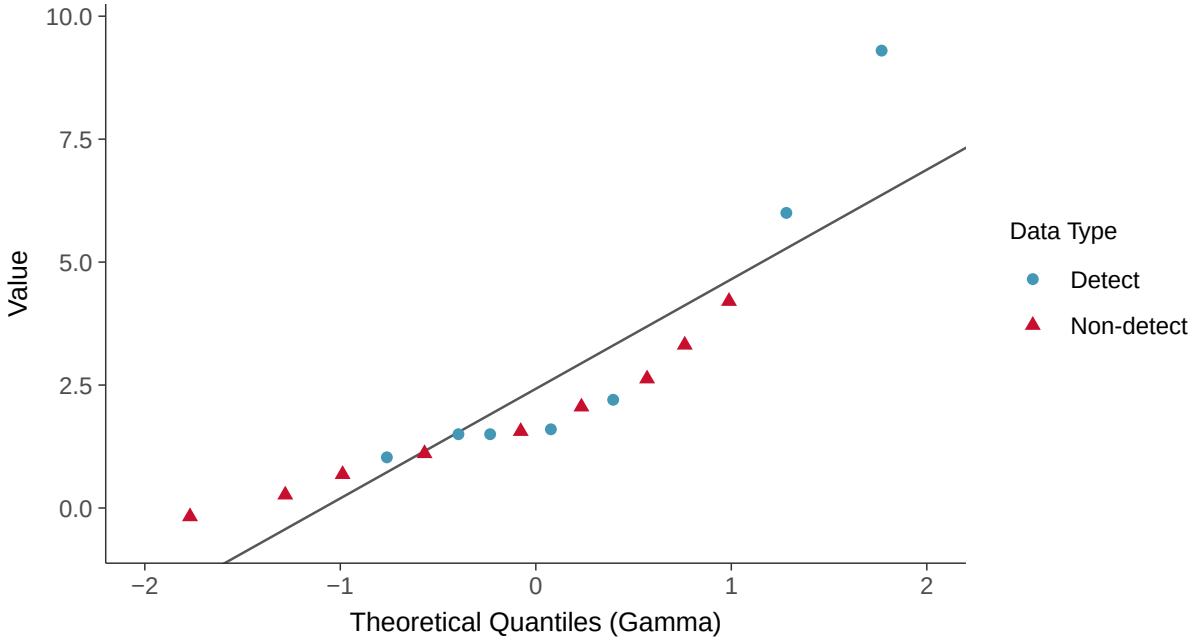
Lognormal Q-Q plot using ROS Imputed Estimates

Chloride, MW-10 (mg/l)



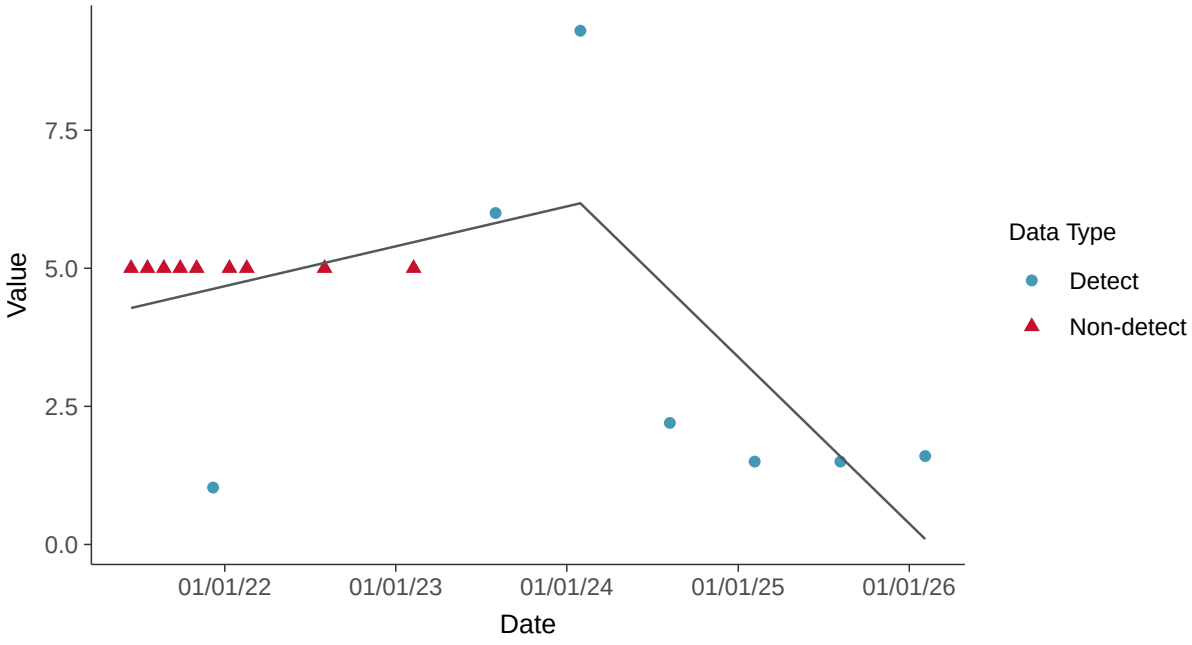
Gamma Q-Q plot using ROS Imputed Estimates

Chloride, MW-10 (mg/l)



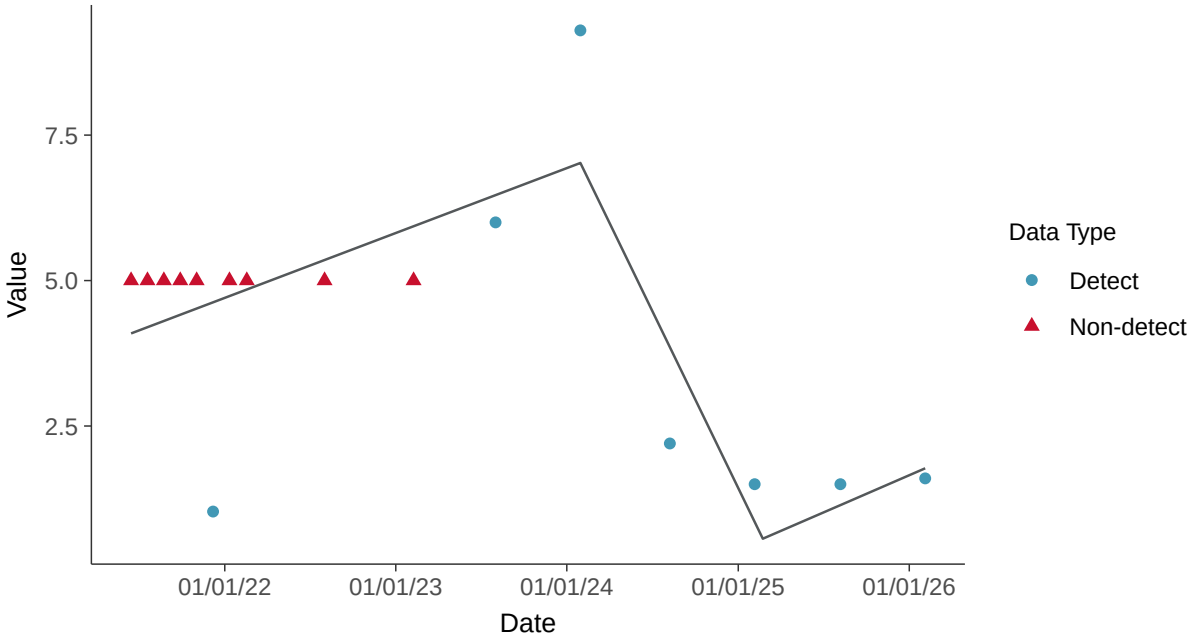
Trend Regression: Piecewise Linear-Linear

Chloride, MW-10 (mg/l)



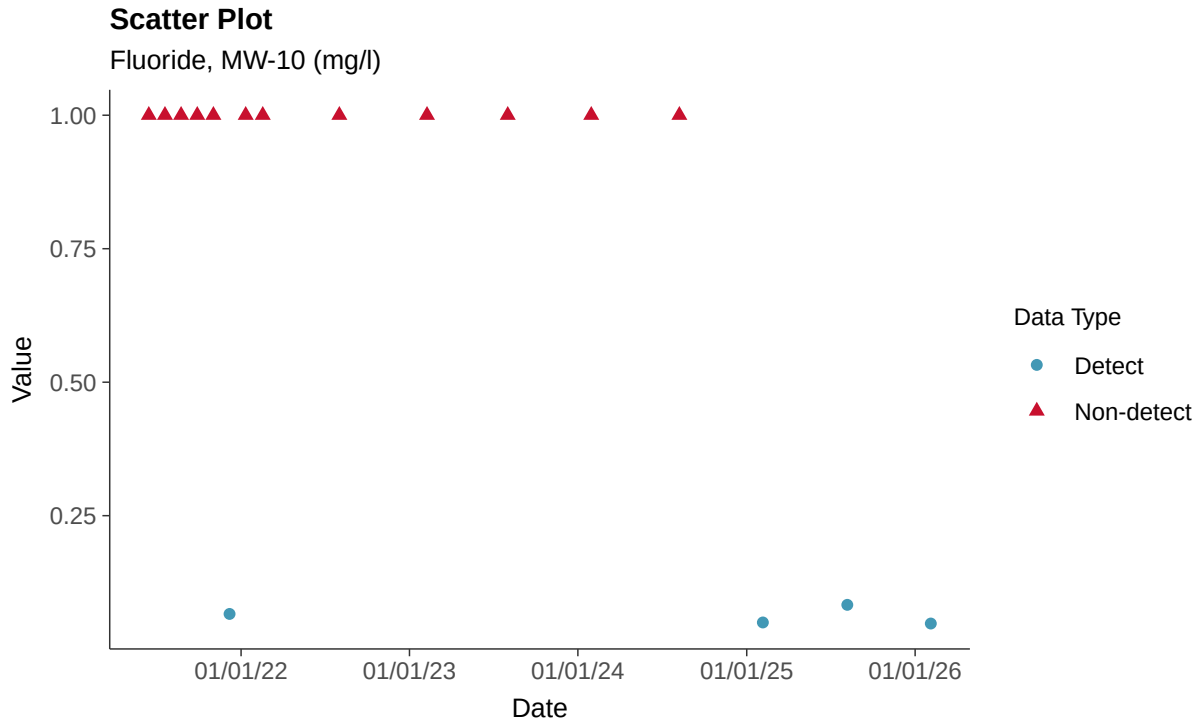
Trend Regression: Piecewise Linear-Linear-Linear

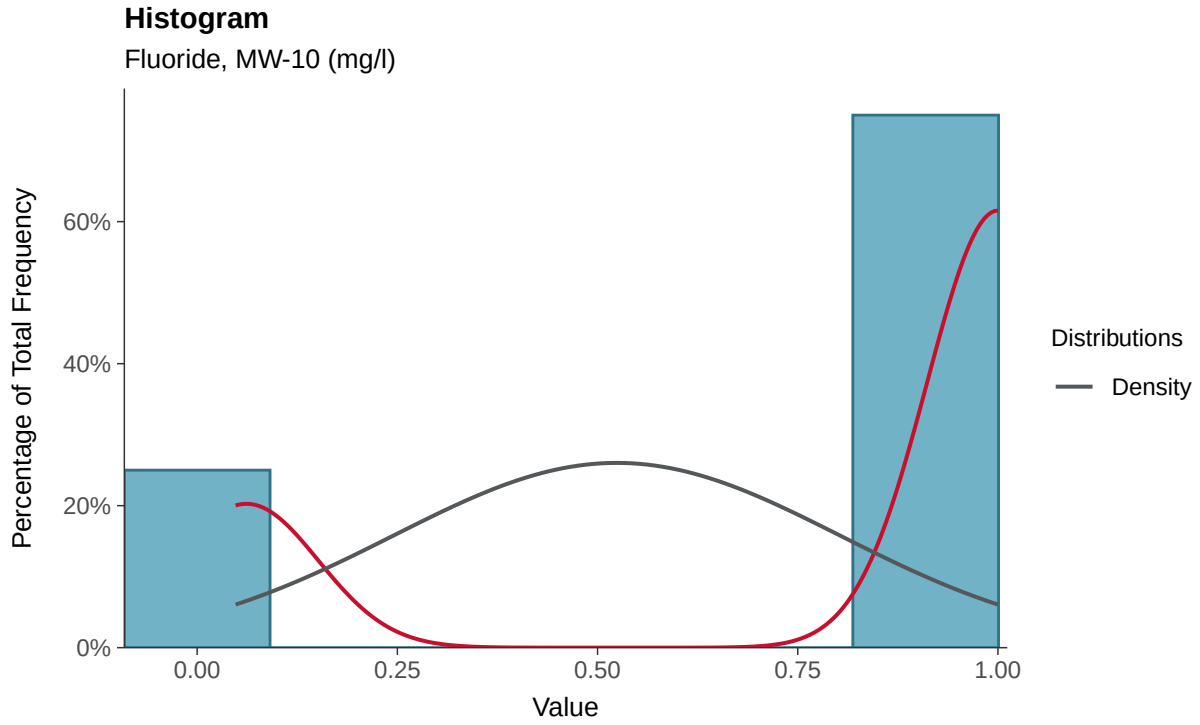
Chloride, MW-10 (mg/l)



Appendix III: Fluoride, MW-10

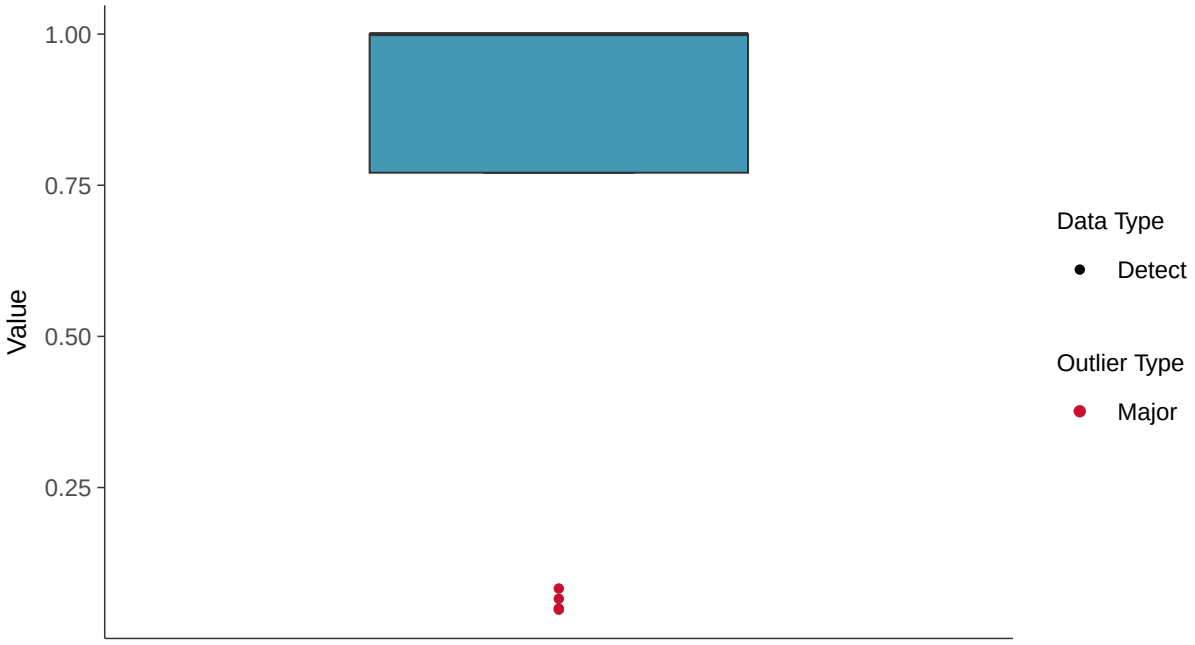
ID: 19_2_112





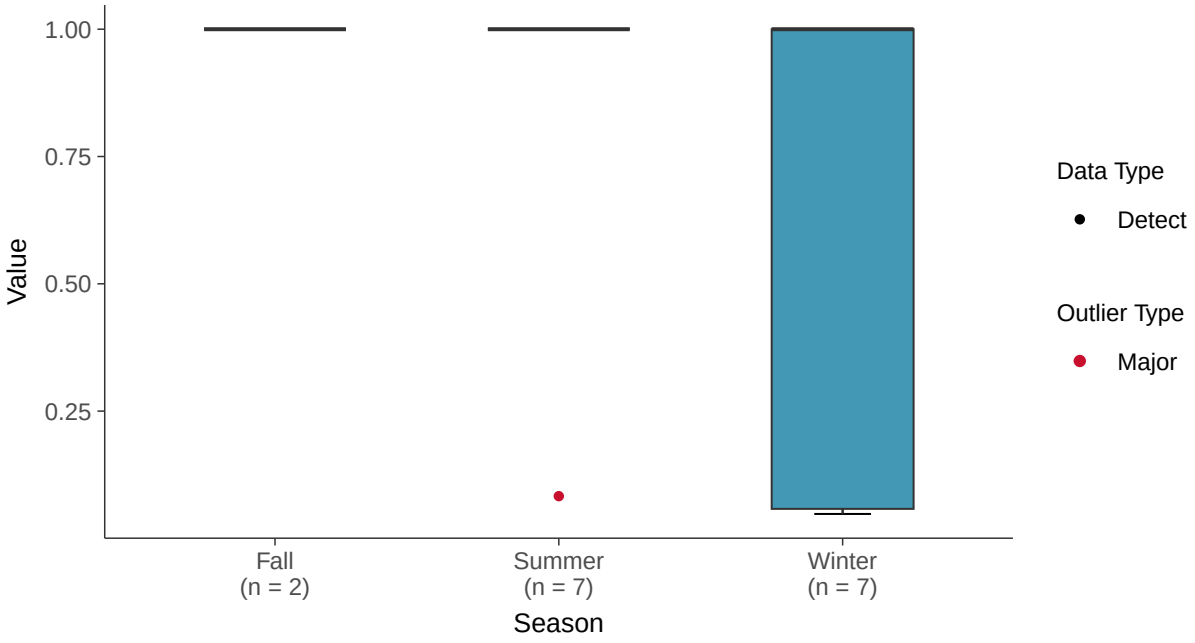
Boxplot

Fluoride, MW-10 (mg/l)



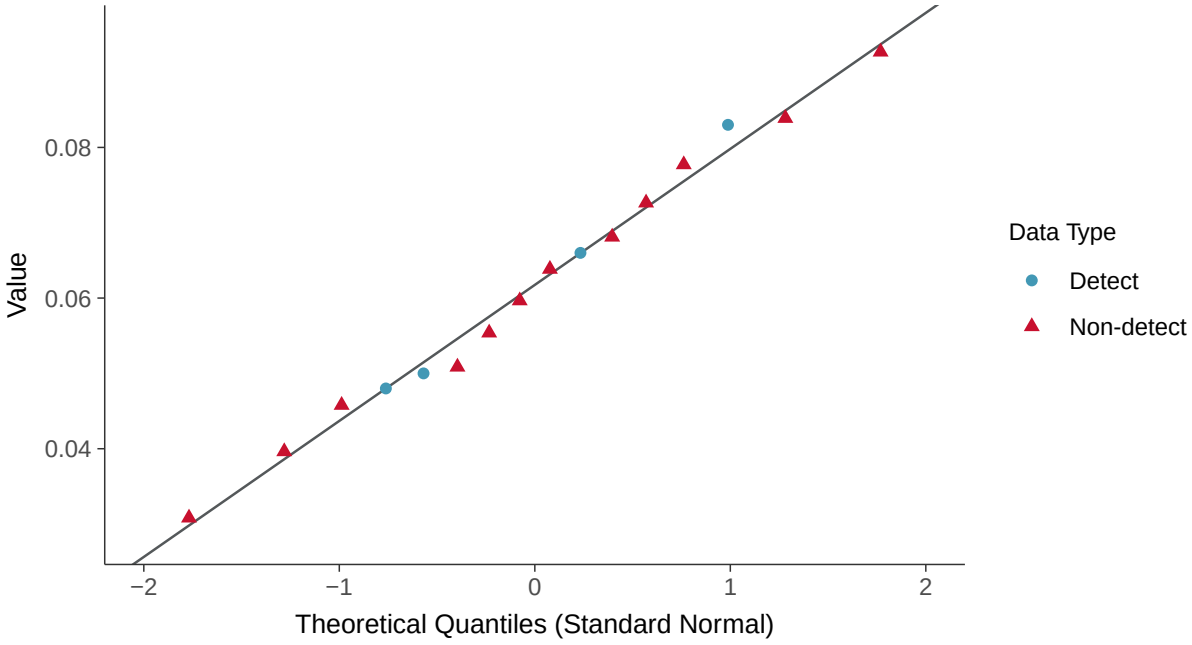
Boxplot by Season

Fluoride, MW-10 (mg/l)



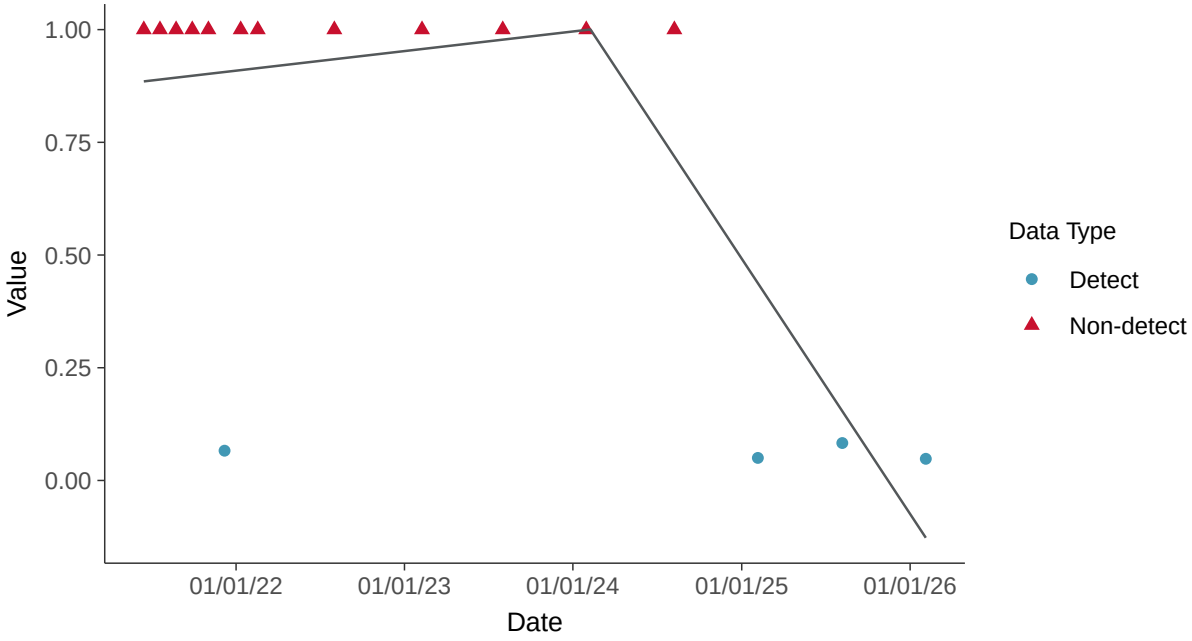
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-10 (mg/l)



Trend Regression: Piecewise Linear-Linear

Fluoride, MW-10 (mg/l)

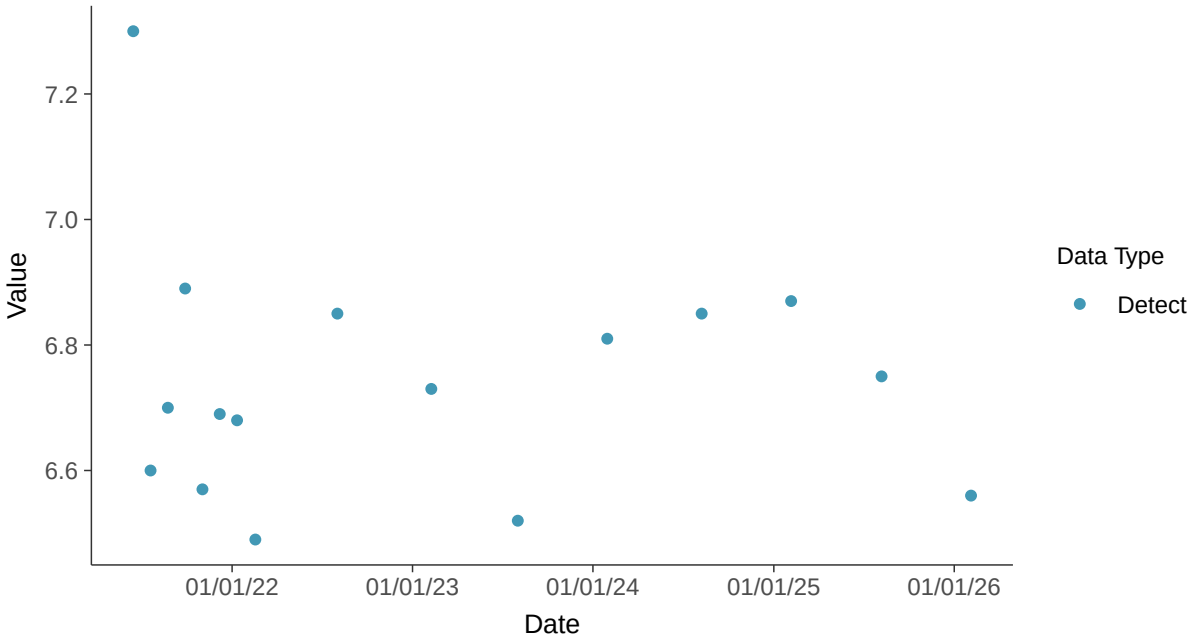


Appendix III: pH, Field, MW-10

ID: 19_2_120

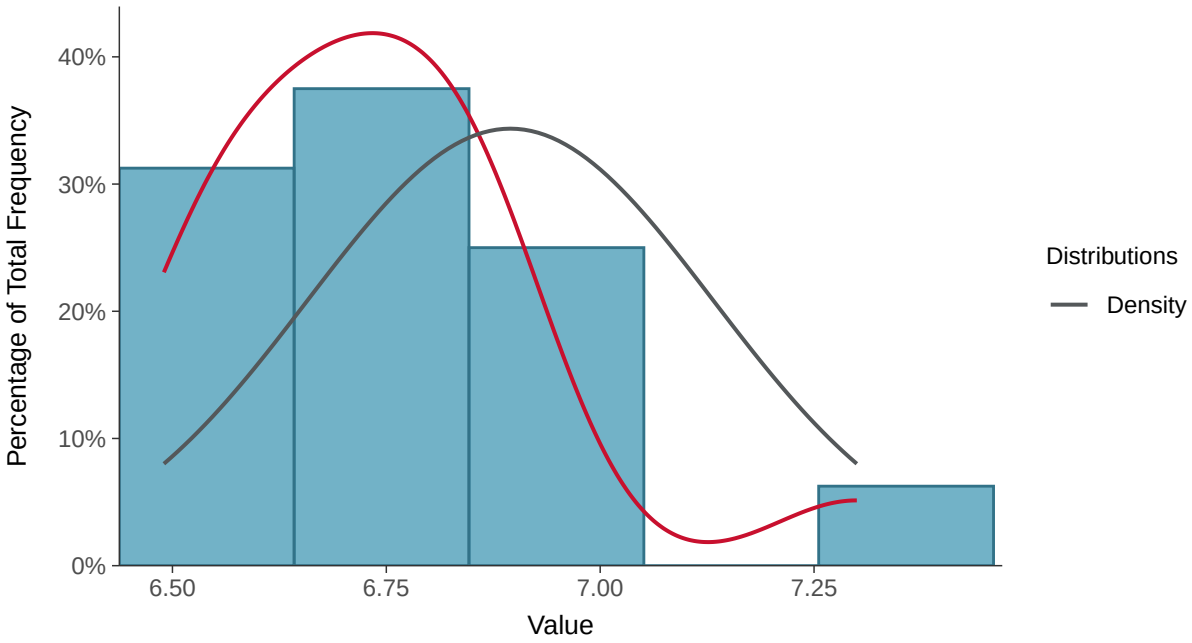
Scatter Plot

pH, Field, MW-10 (su)



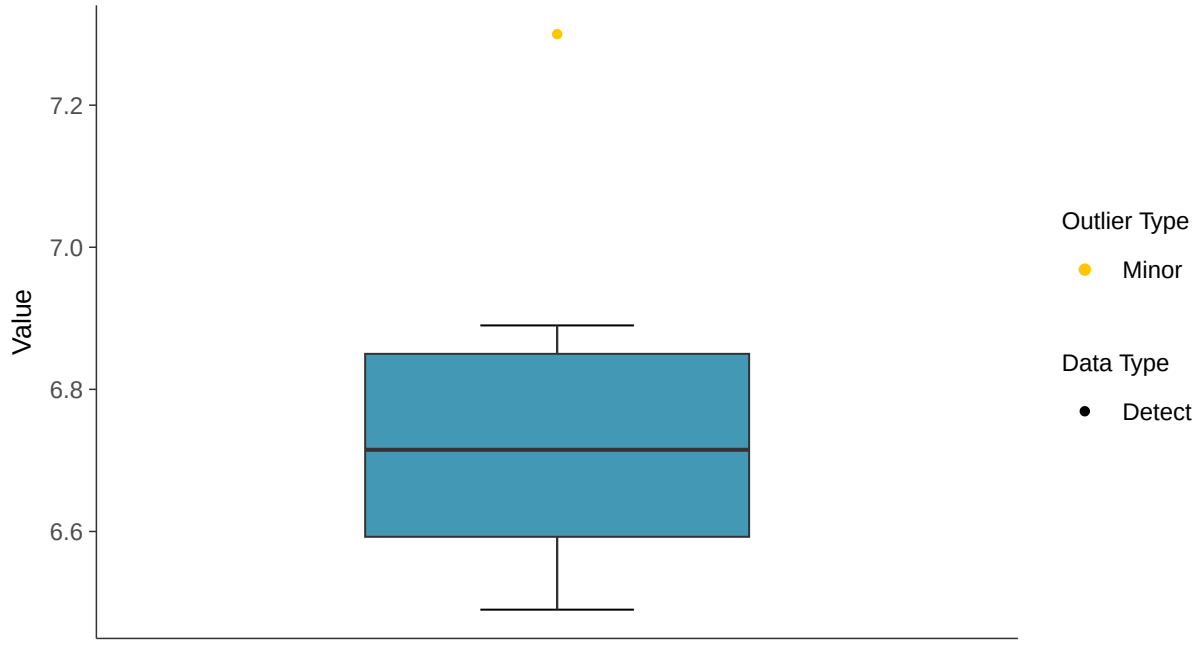
Histogram

pH, Field, MW-10 (su)



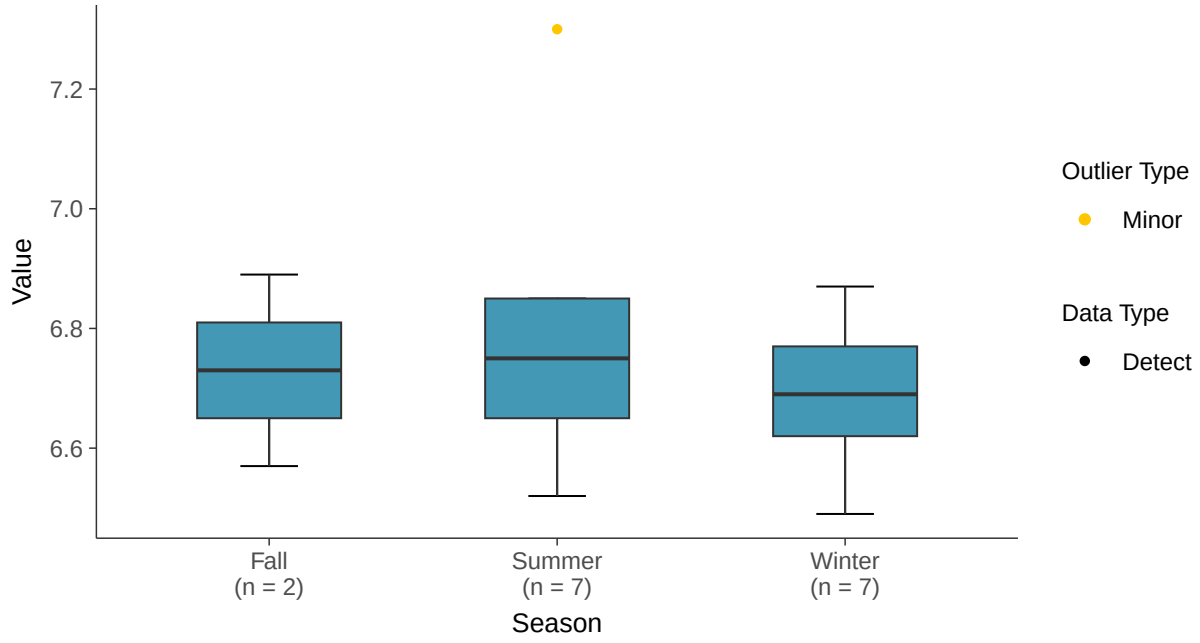
Boxplot

pH, Field, MW-10 (su)



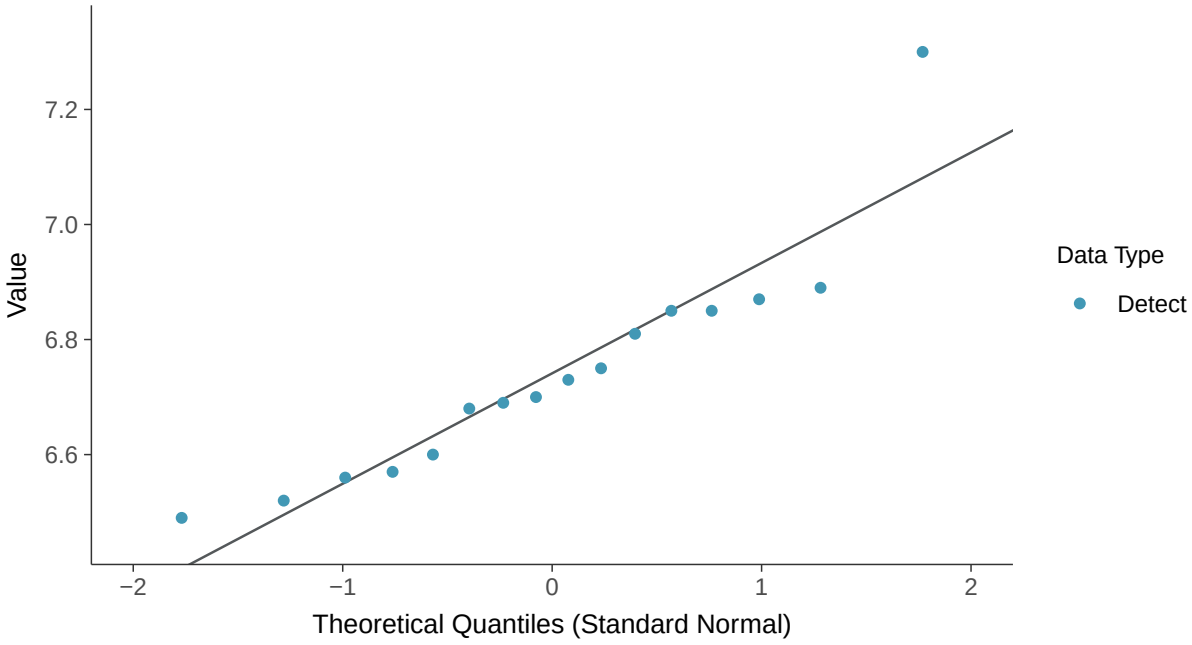
Boxplot by Season

pH, Field, MW-10 (su)



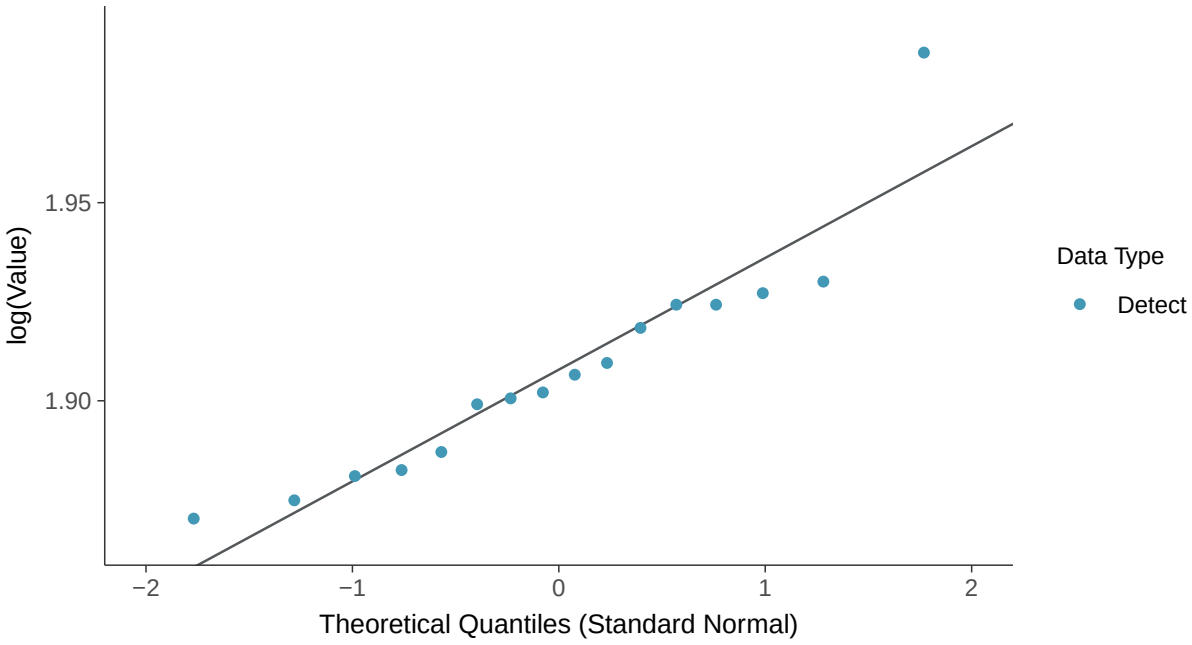
Normal Q-Q plot

pH, Field, MW-10 (su)



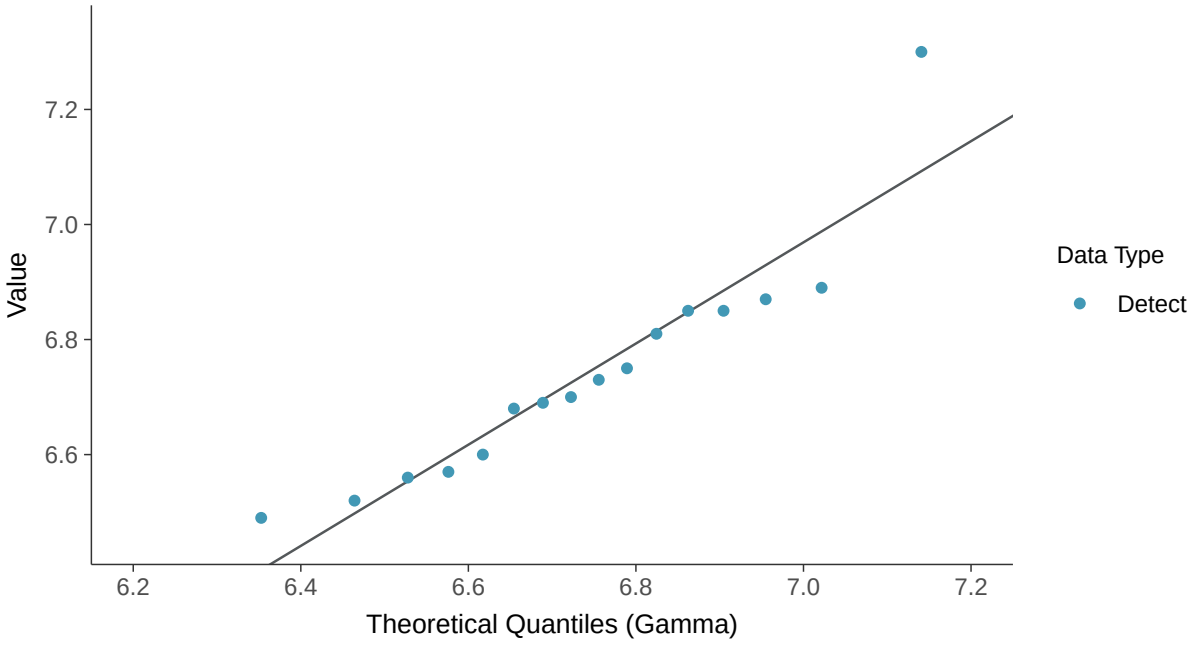
Lognormal Q-Q plot

pH, Field, MW-10 (su)



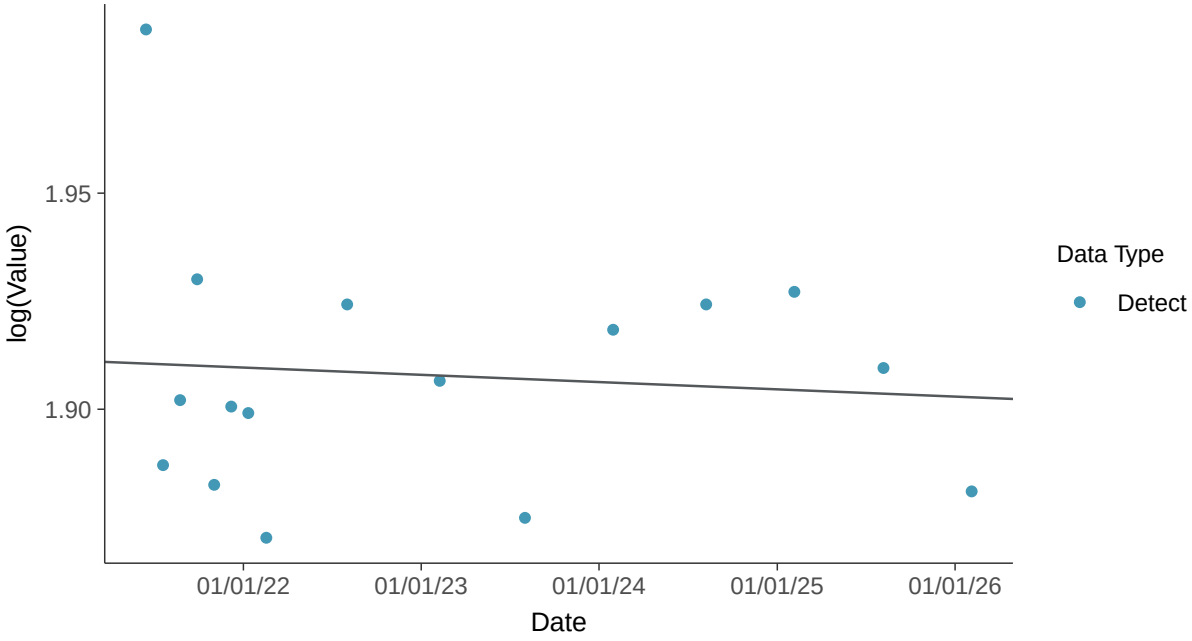
Gamma Q-Q plot

pH, Field, MW-10 (su)



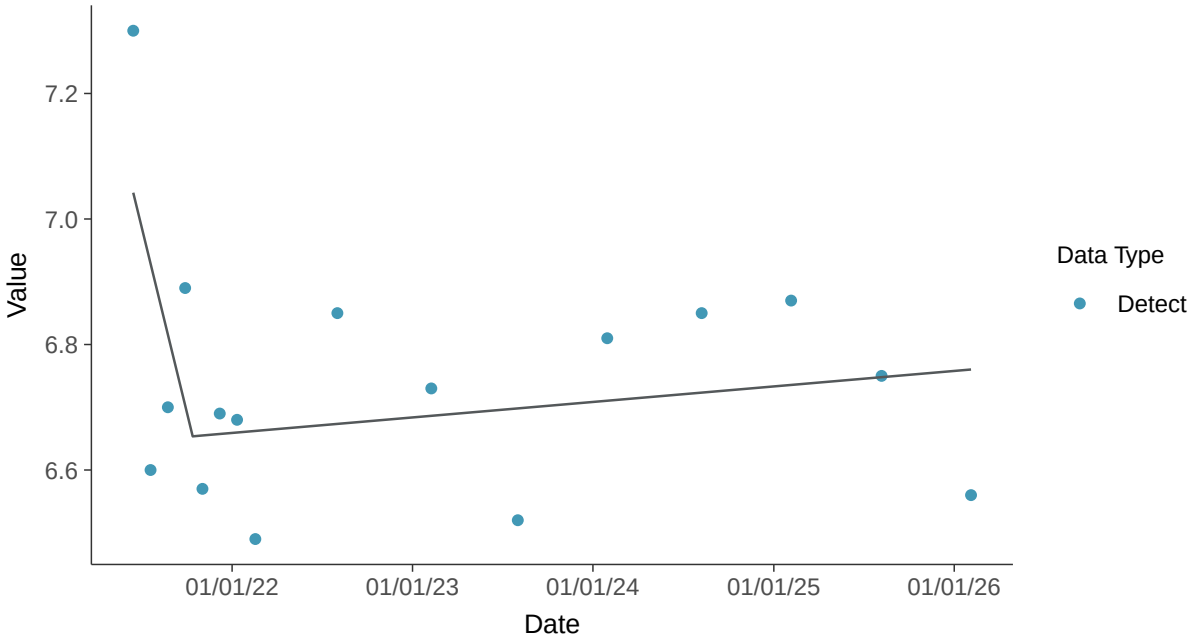
Trend Regression: Lognormal MLE

pH, Field, MW-10 (su)



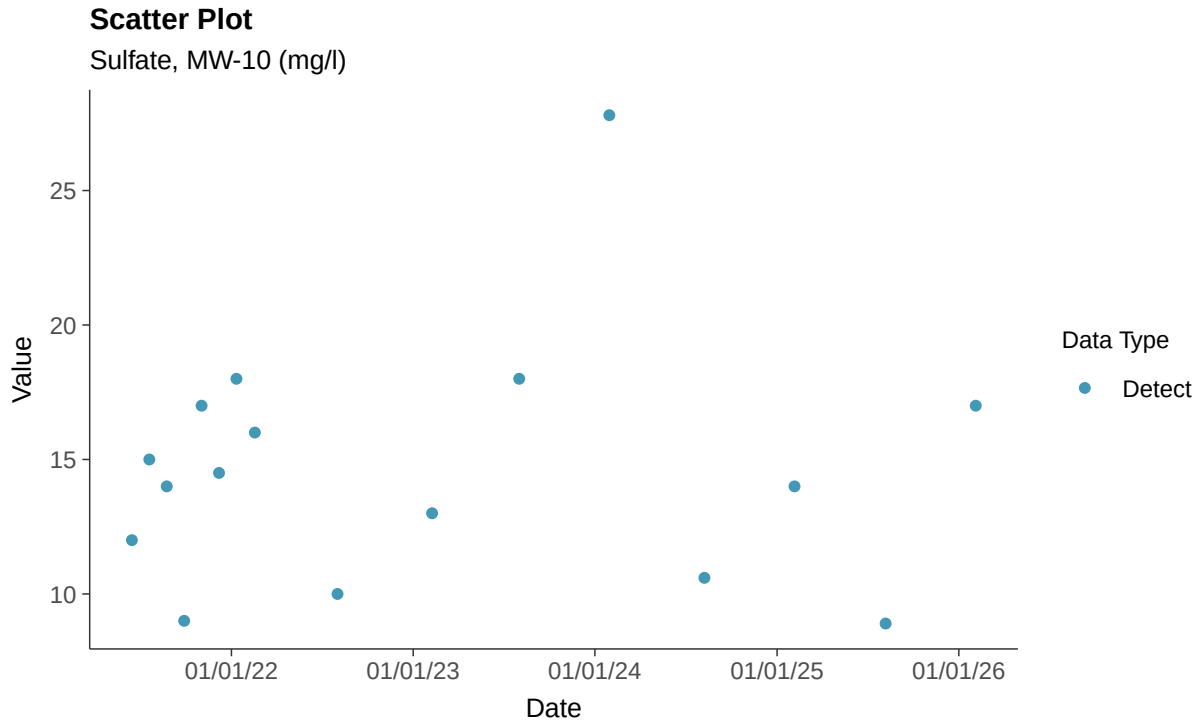
Trend Regression: Piecewise Linear-Linear

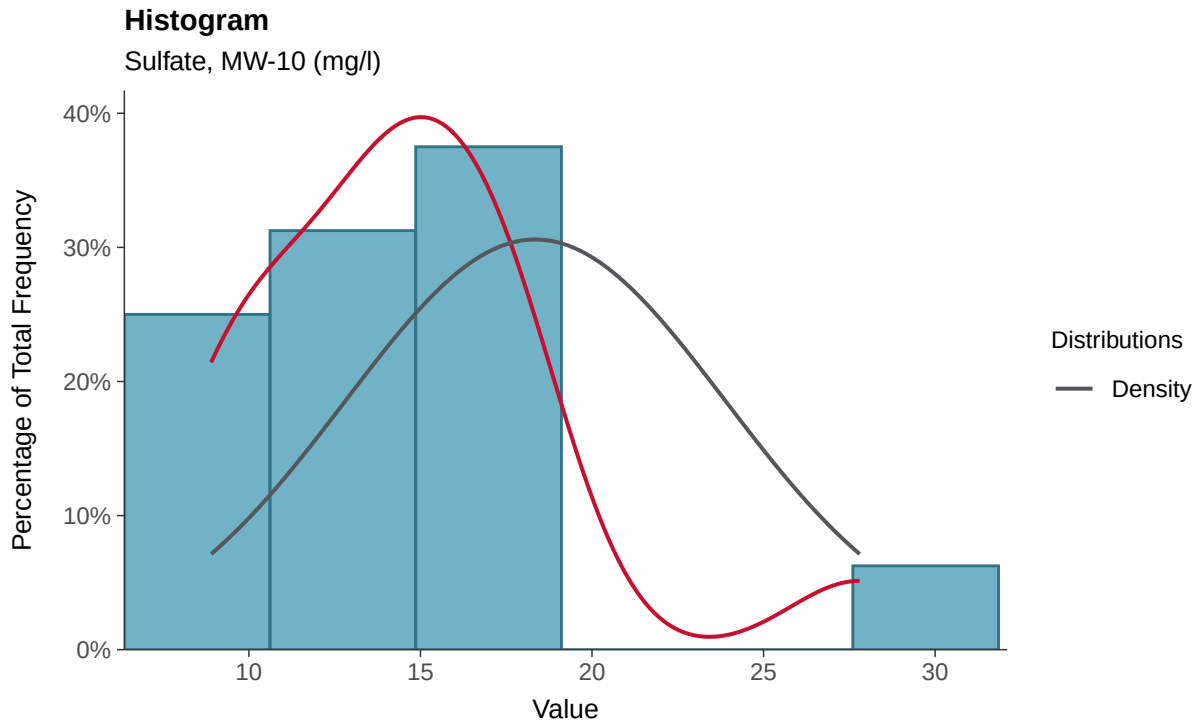
pH, Field, MW-10 (su)



Appendix III: Sulfate, MW-10

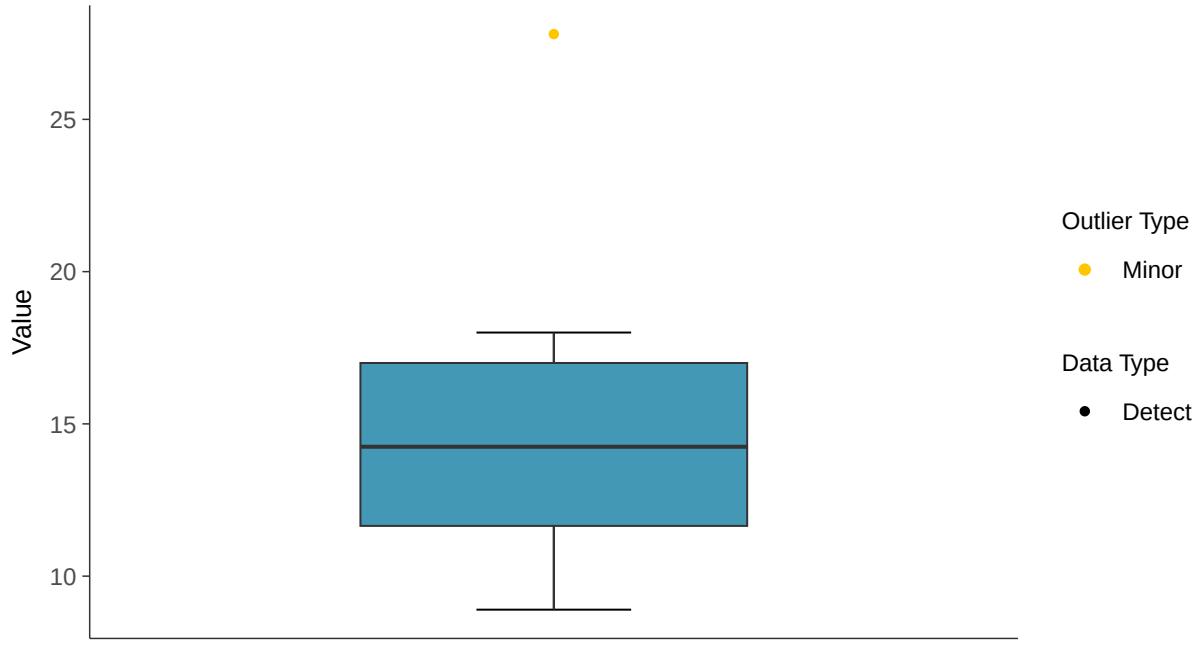
ID: 19_2_124





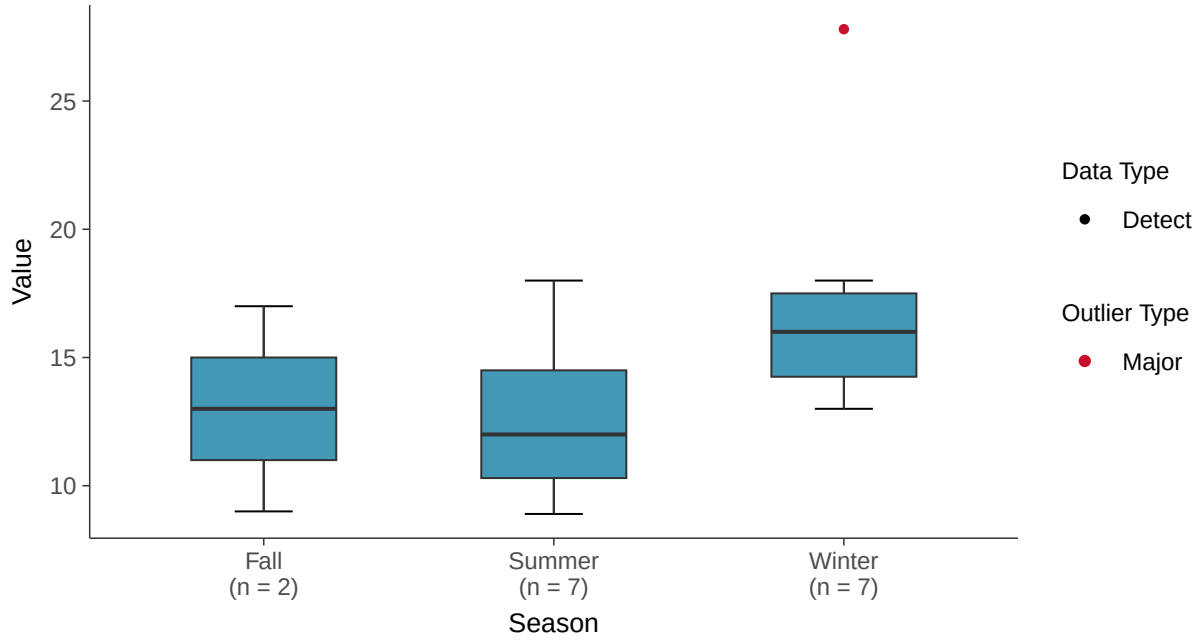
Boxplot

Sulfate, MW-10 (mg/l)



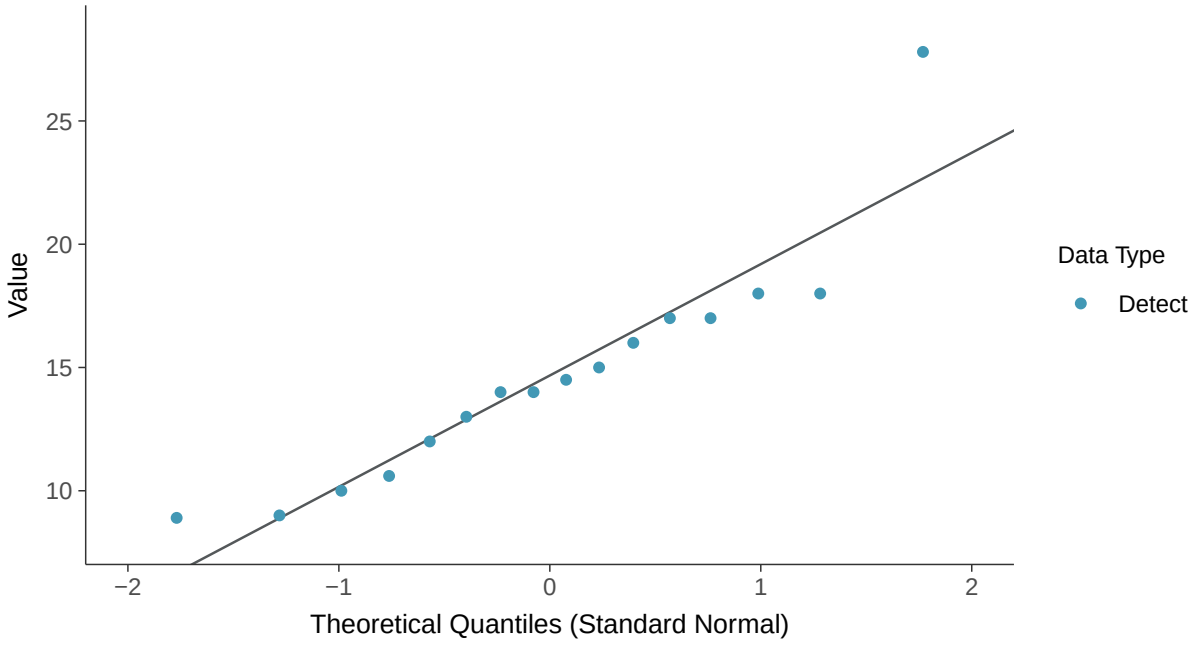
Boxplot by Season

Sulfate, MW-10 (mg/l)



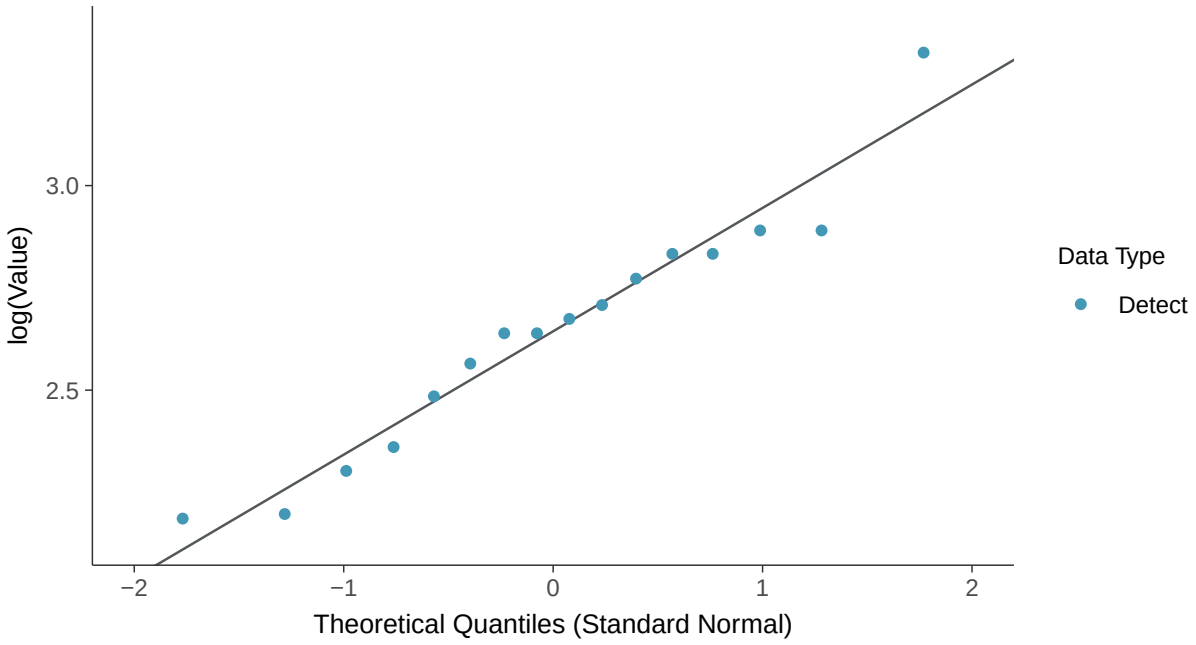
Normal Q-Q plot

Sulfate, MW-10 (mg/l)



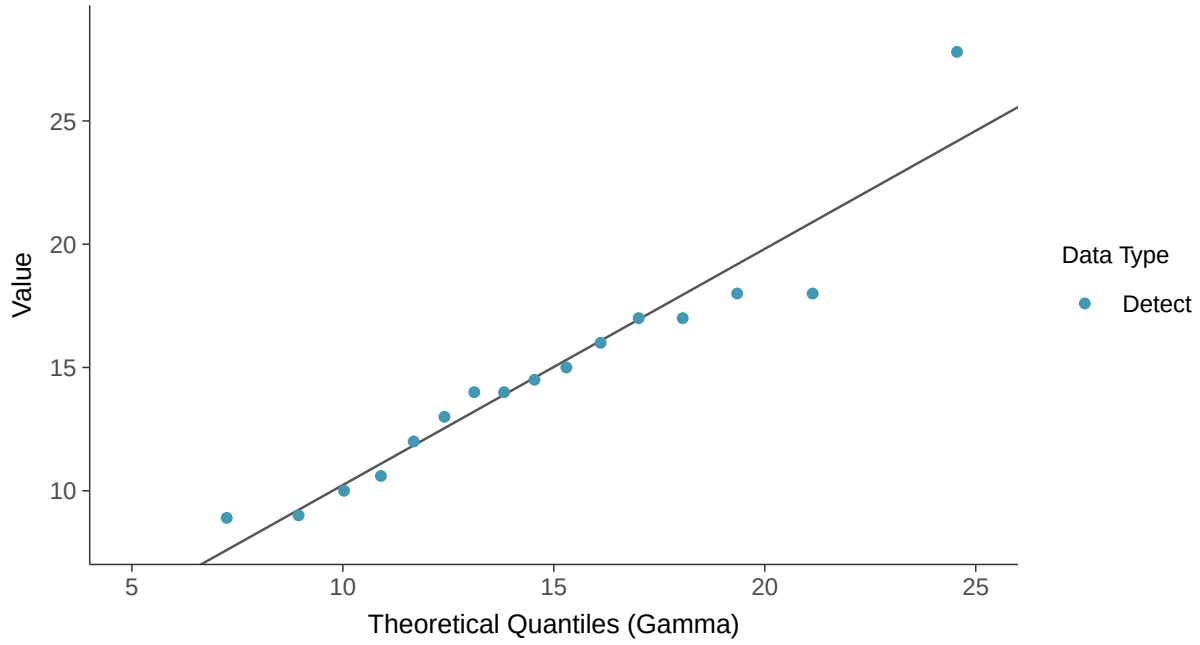
Lognormal Q-Q plot

Sulfate, MW-10 (mg/l)



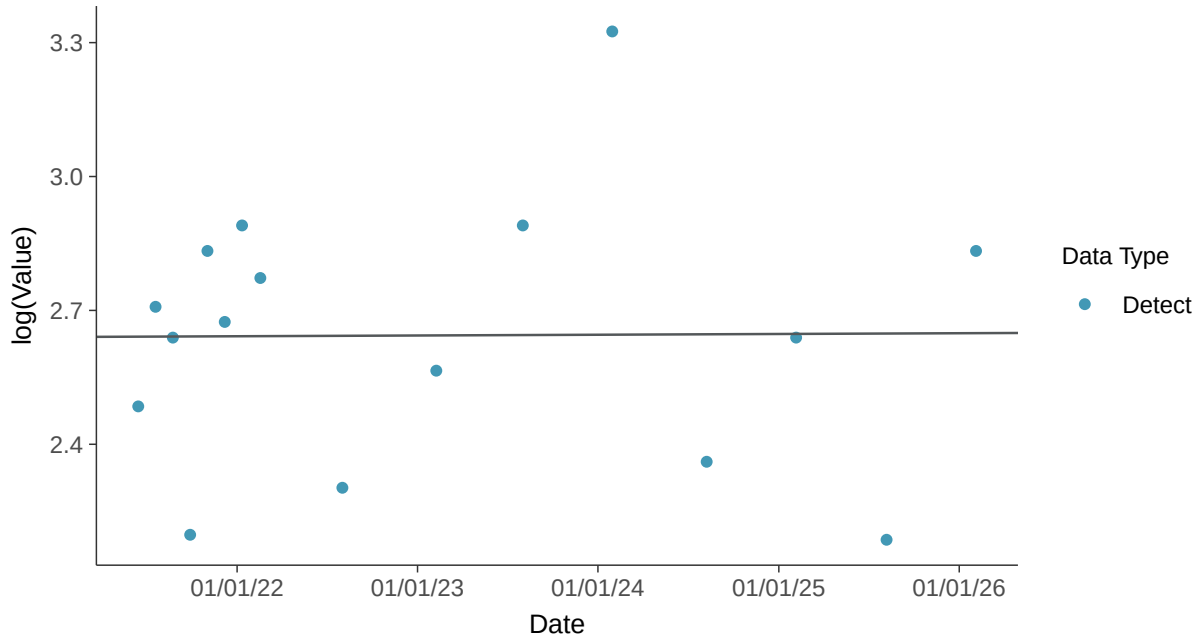
Gamma Q-Q plot

Sulfate, MW-10 (mg/l)



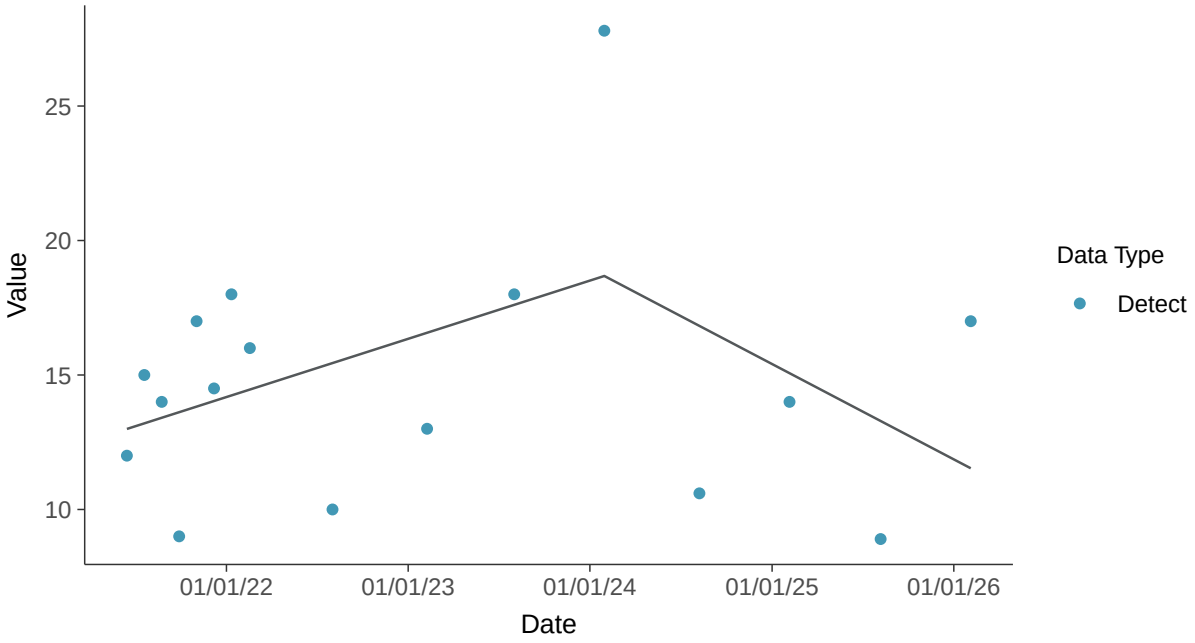
Trend Regression: Lognormal MLE

Sulfate, MW-10 (mg/l)



Trend Regression: Piecewise Linear-Linear

Sulfate, MW-10 (mg/l)

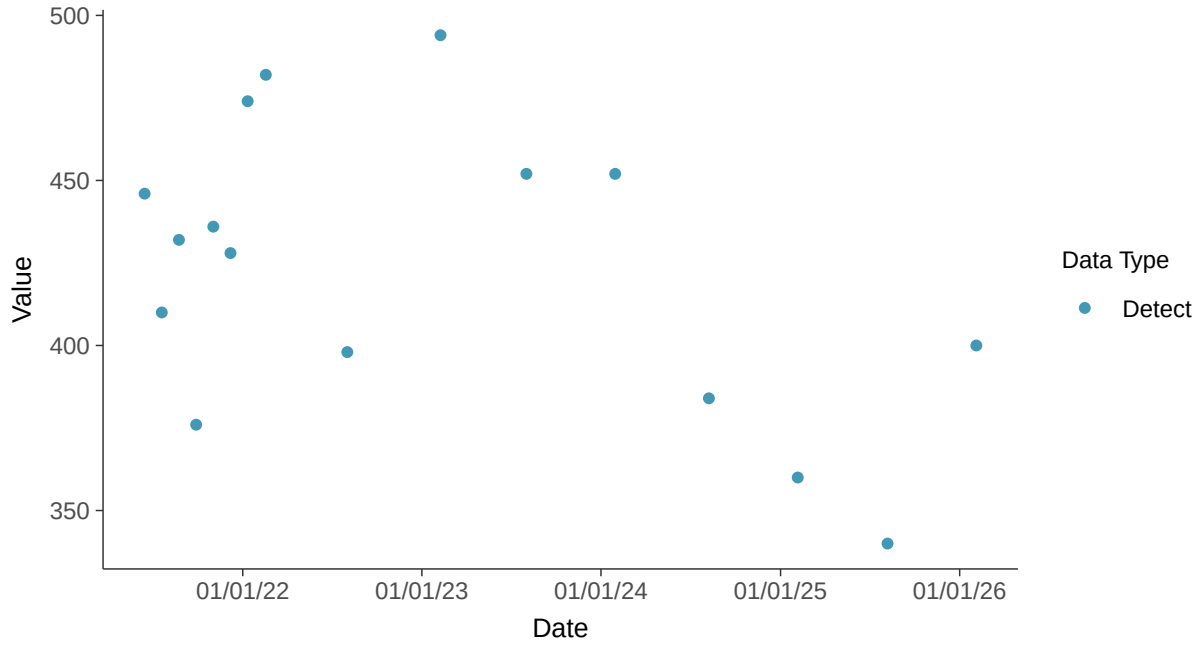


Appendix III: Total Dissolved Solids, MW-10

ID: 19_2_126

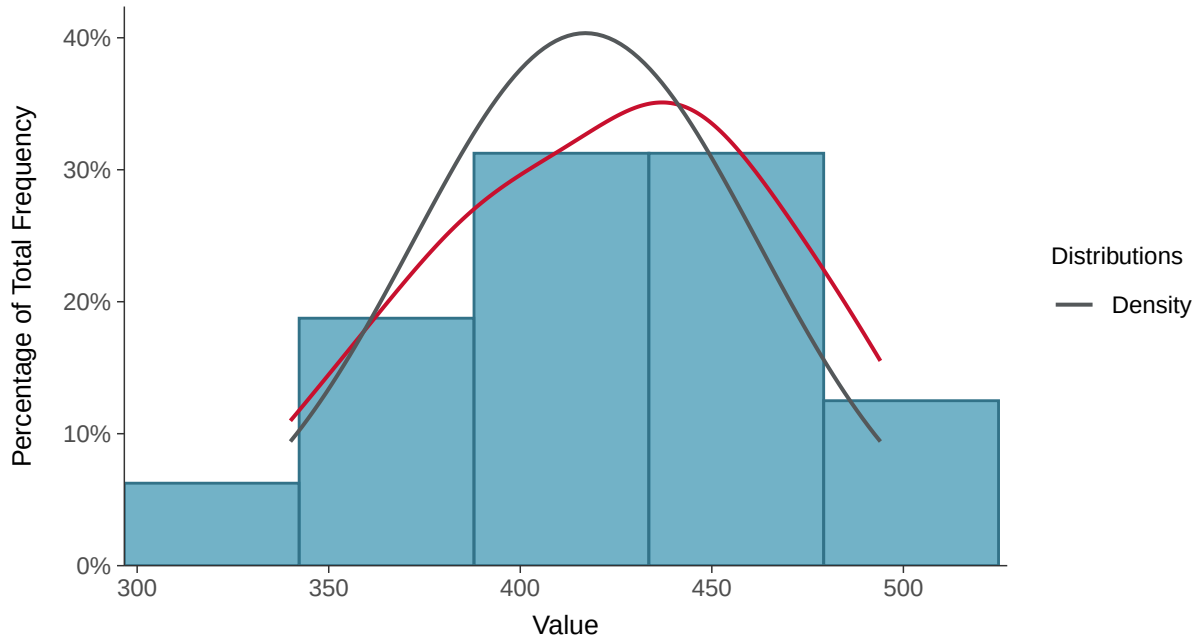
Scatter Plot

Total Dissolved Solids, MW-10 (mg/l)



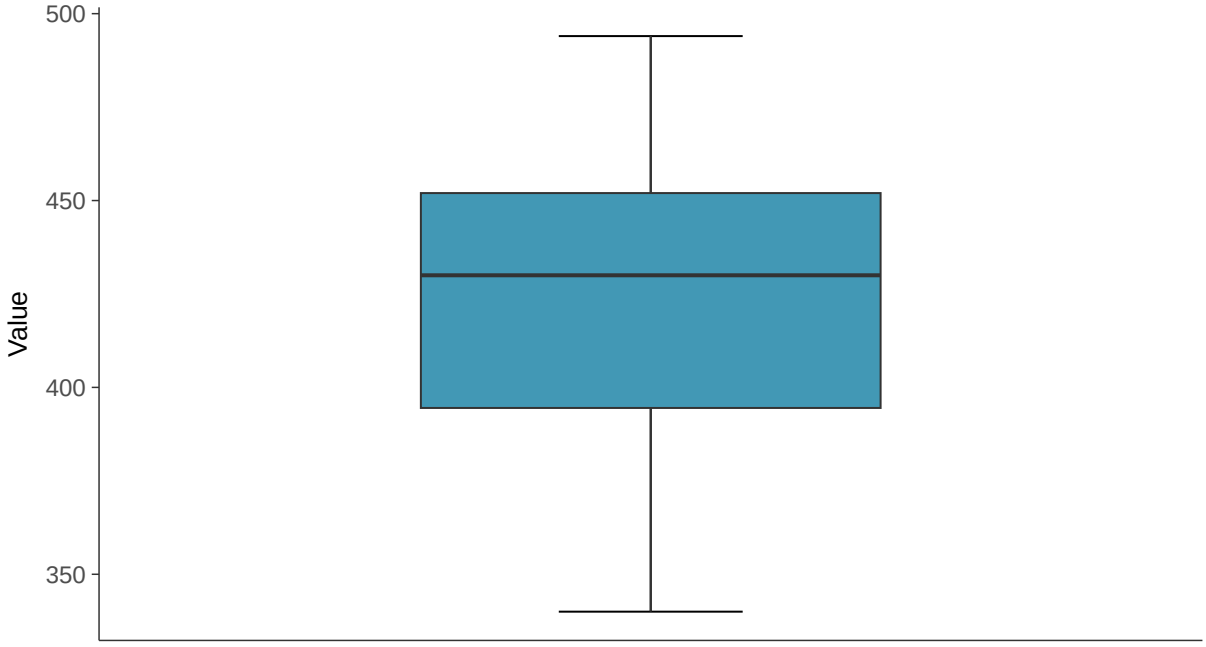
Histogram

Total Dissolved Solids, MW-10 (mg/l)



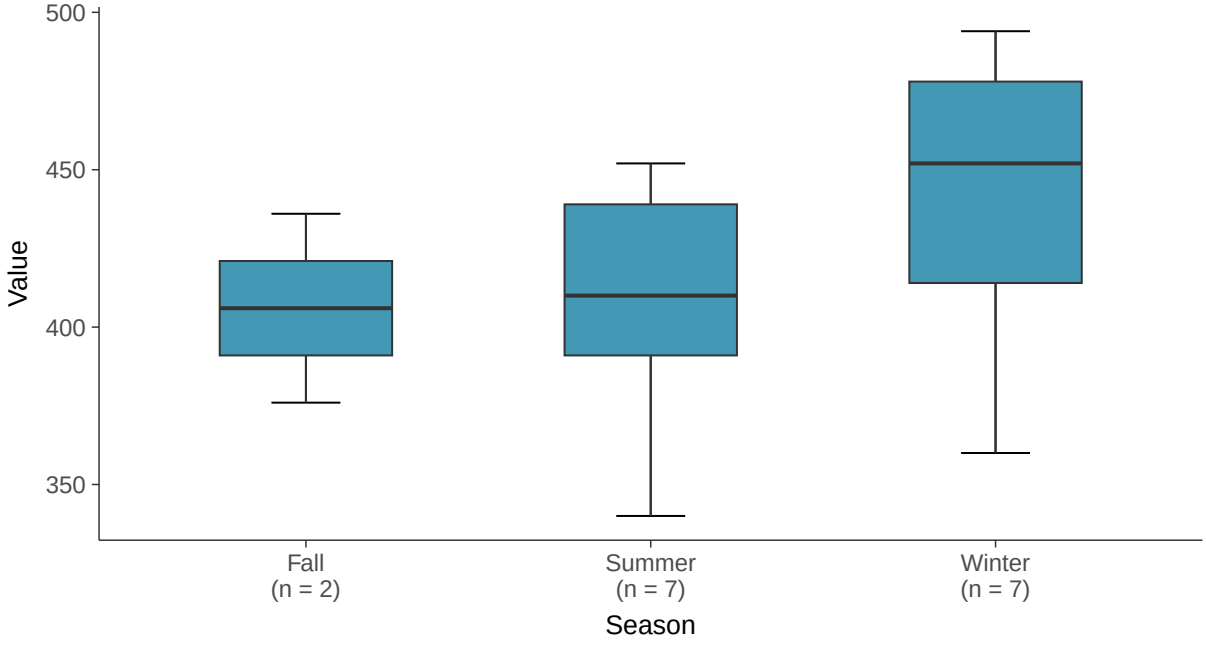
Boxplot

Total Dissolved Solids, MW-10 (mg/l)



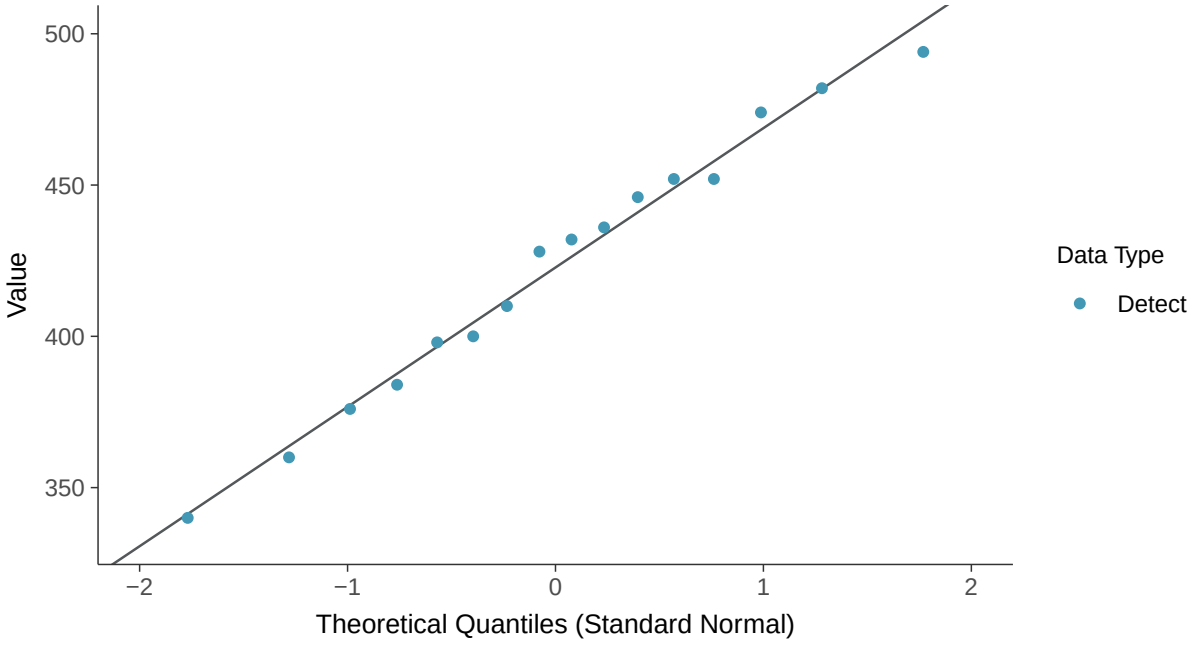
Boxplot by Season

Total Dissolved Solids, MW-10 (mg/l)



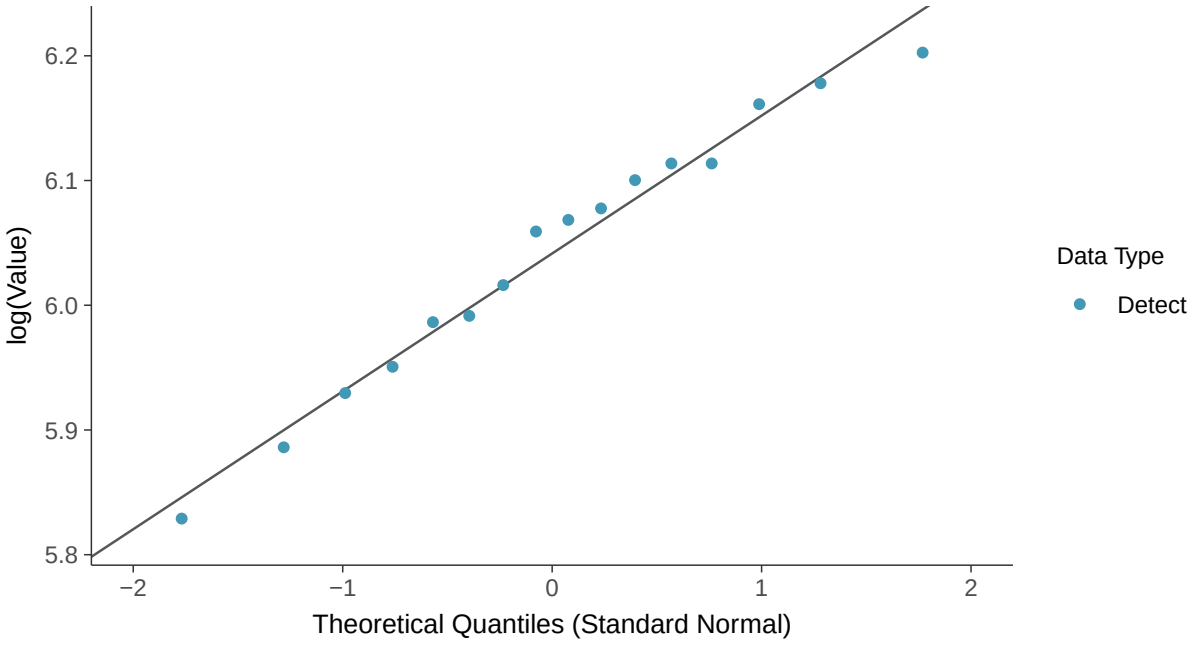
Normal Q-Q plot

Total Dissolved Solids, MW-10 (mg/l)



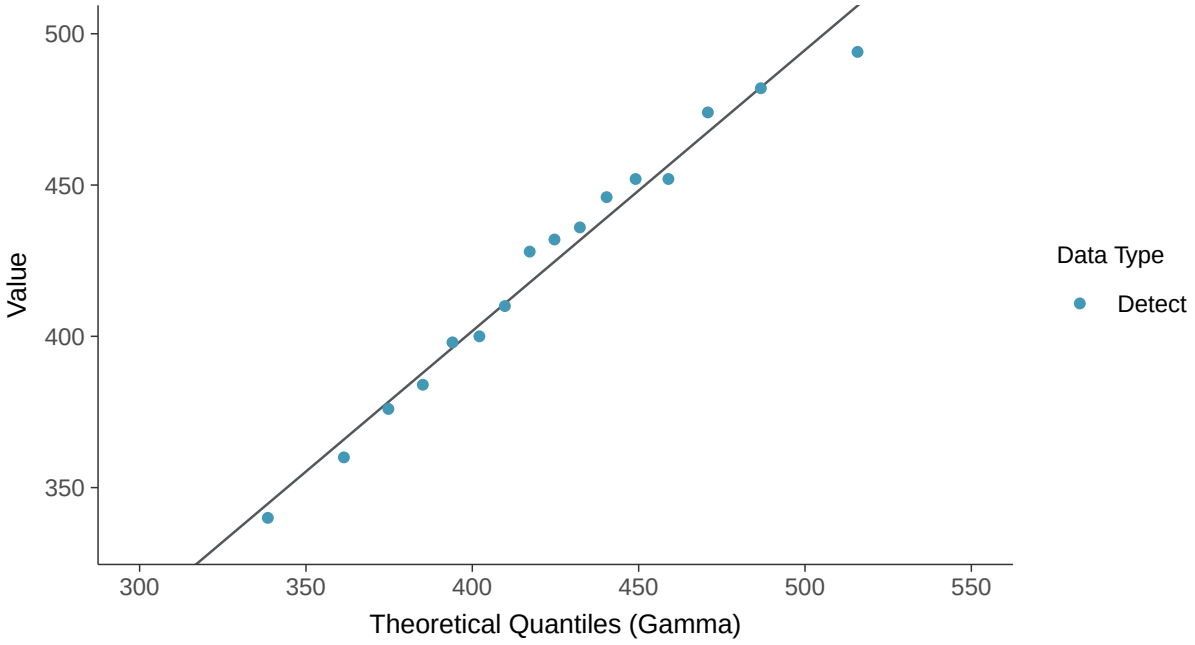
Lognormal Q-Q plot

Total Dissolved Solids, MW-10 (mg/l)



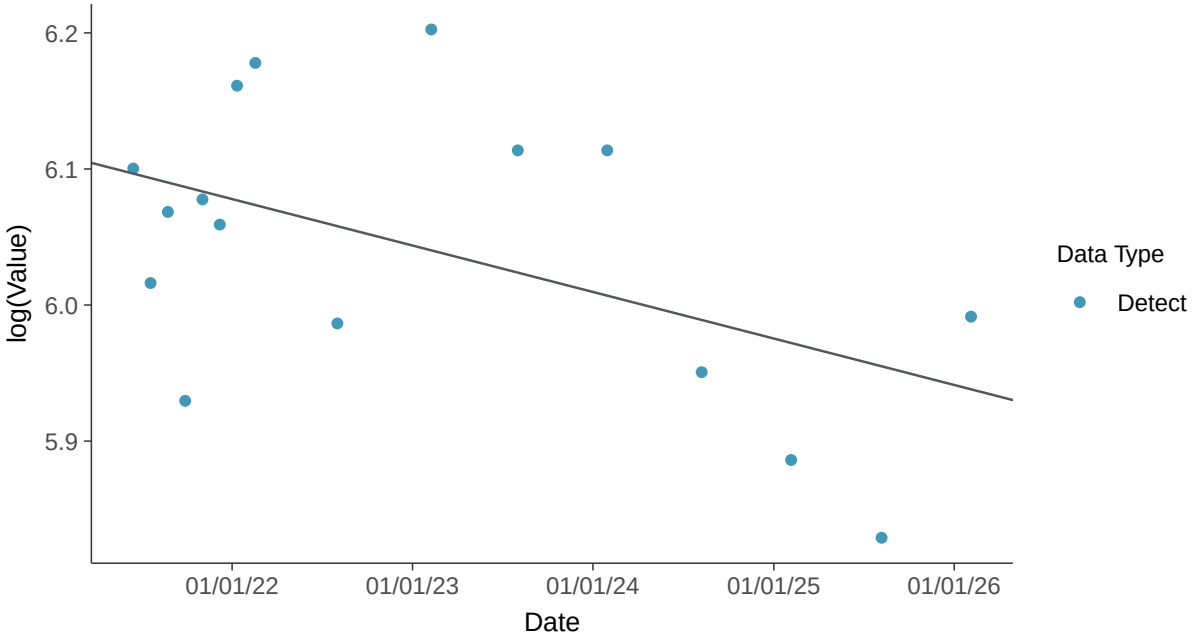
Gamma Q-Q plot

Total Dissolved Solids, MW-10 (mg/l)



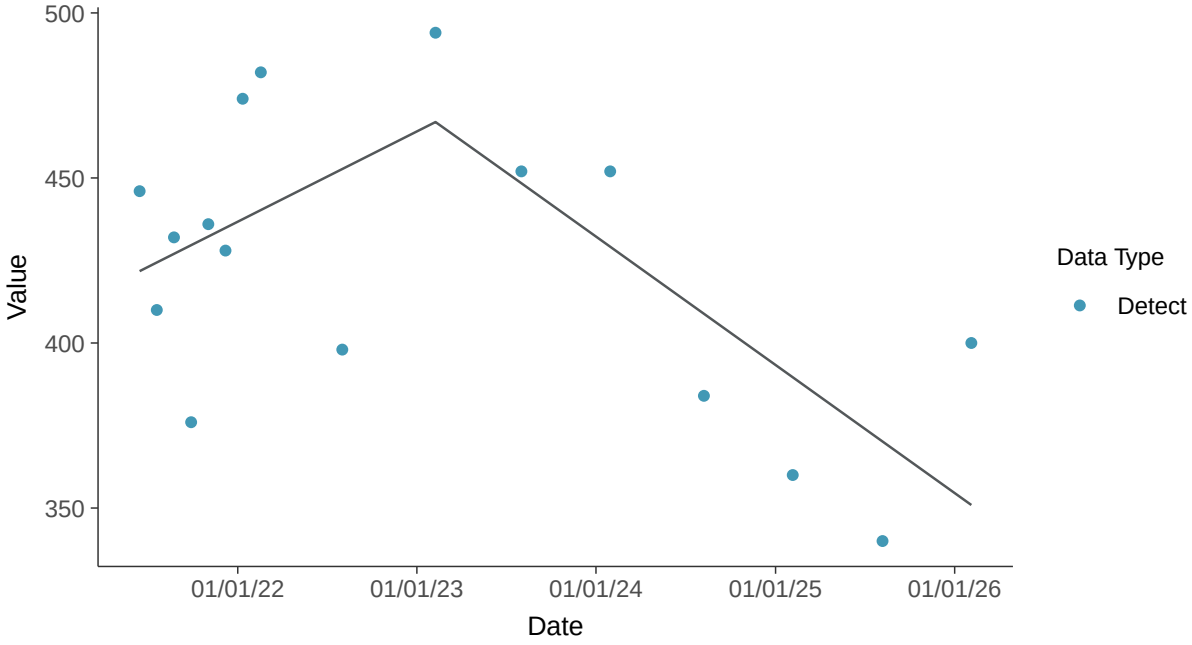
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-10 (mg/l)



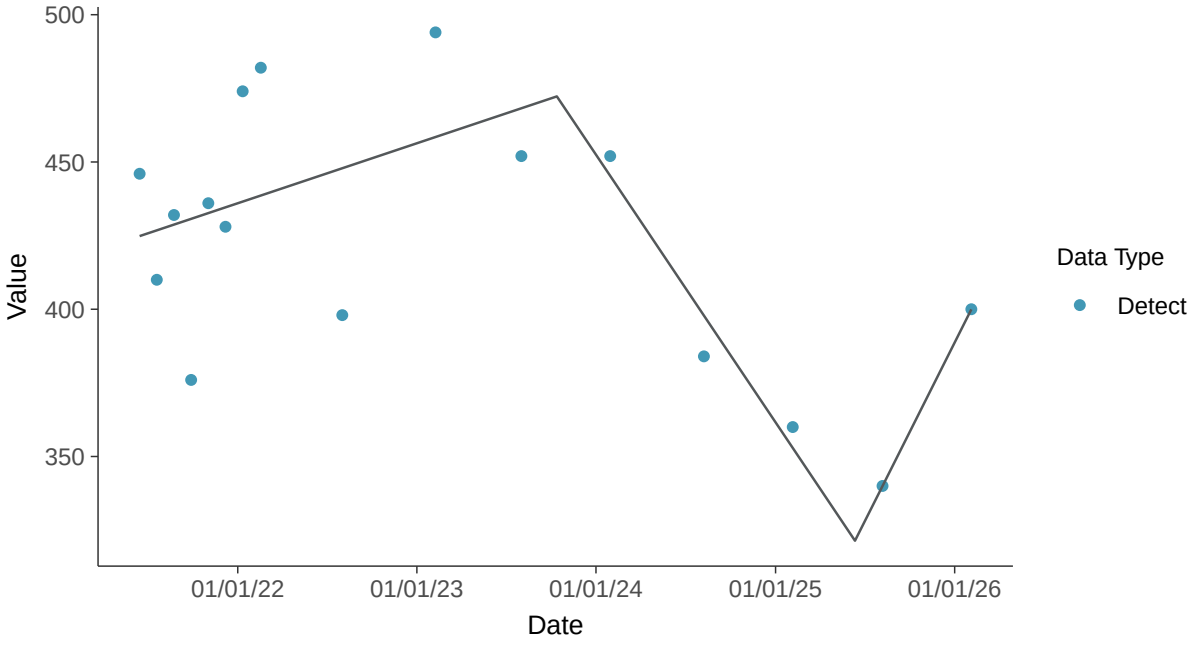
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-10 (mg/l)



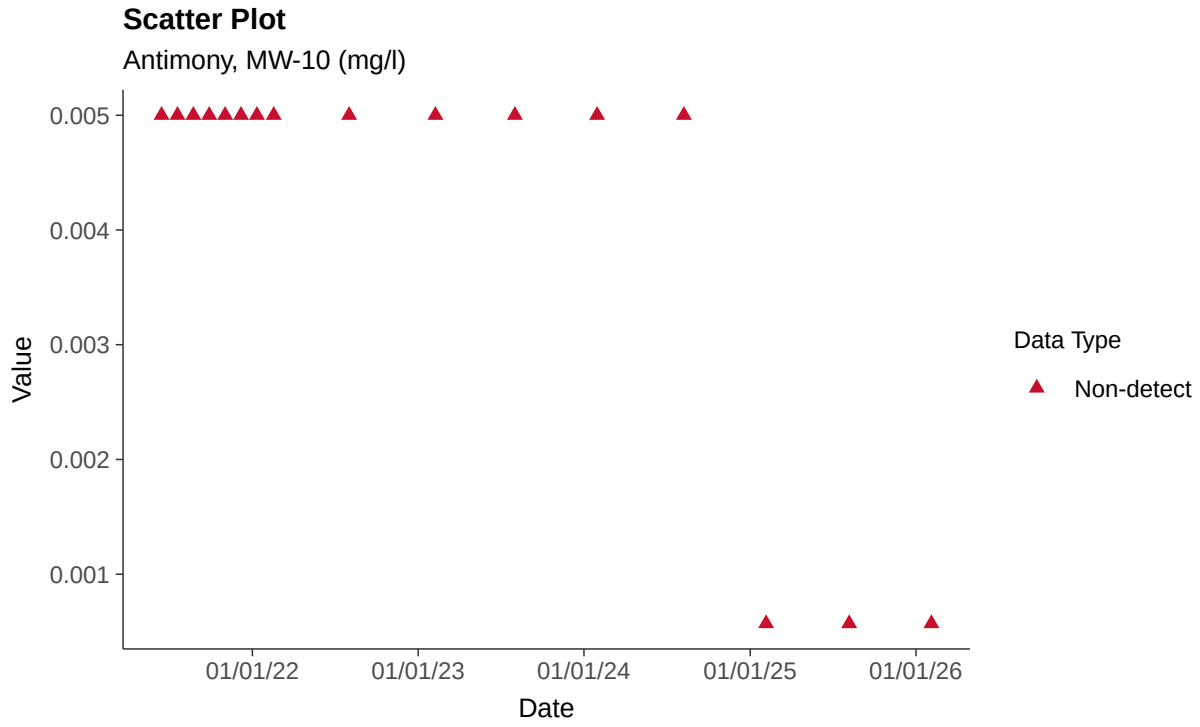
Trend Regression: Piecewise Linear-Linear-Linear

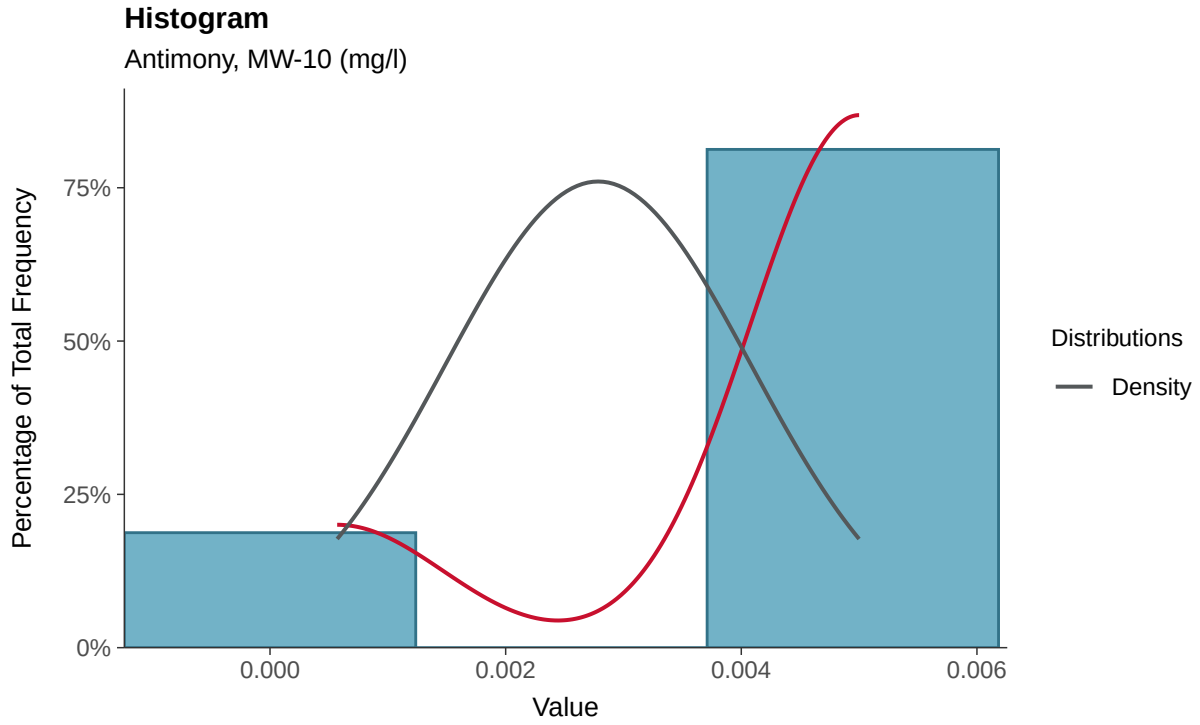
Total Dissolved Solids, MW-10 (mg/l)



Appendix IV: Antimony, MW-10

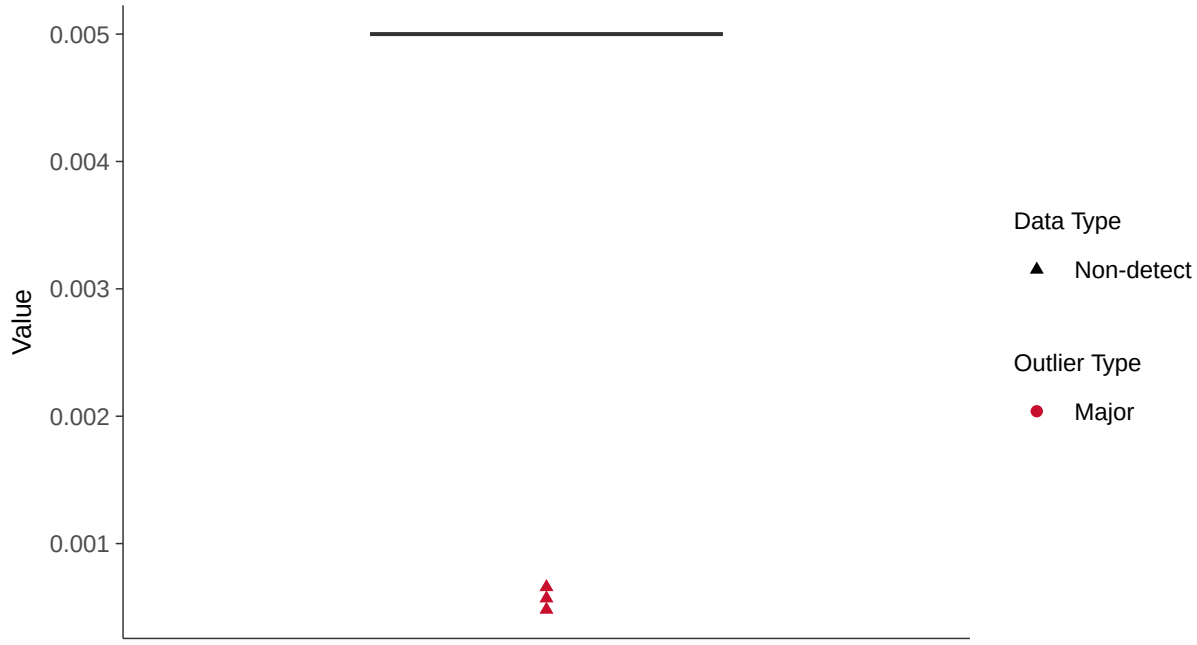
ID: 19_3_101





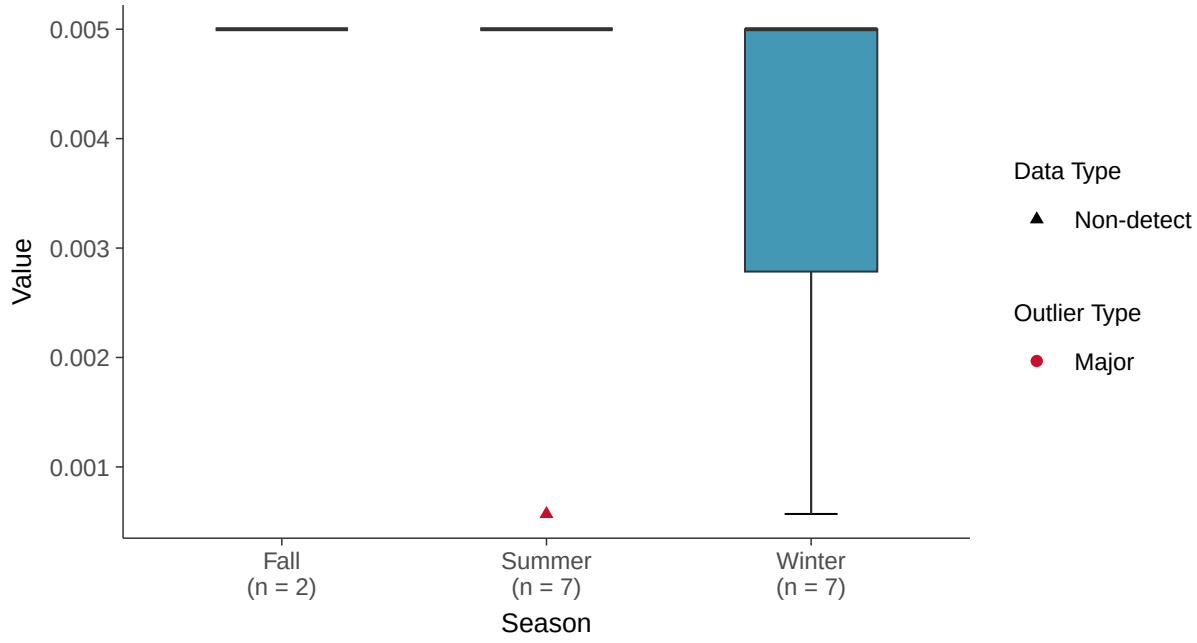
Boxplot

Antimony, MW-10 (mg/l)



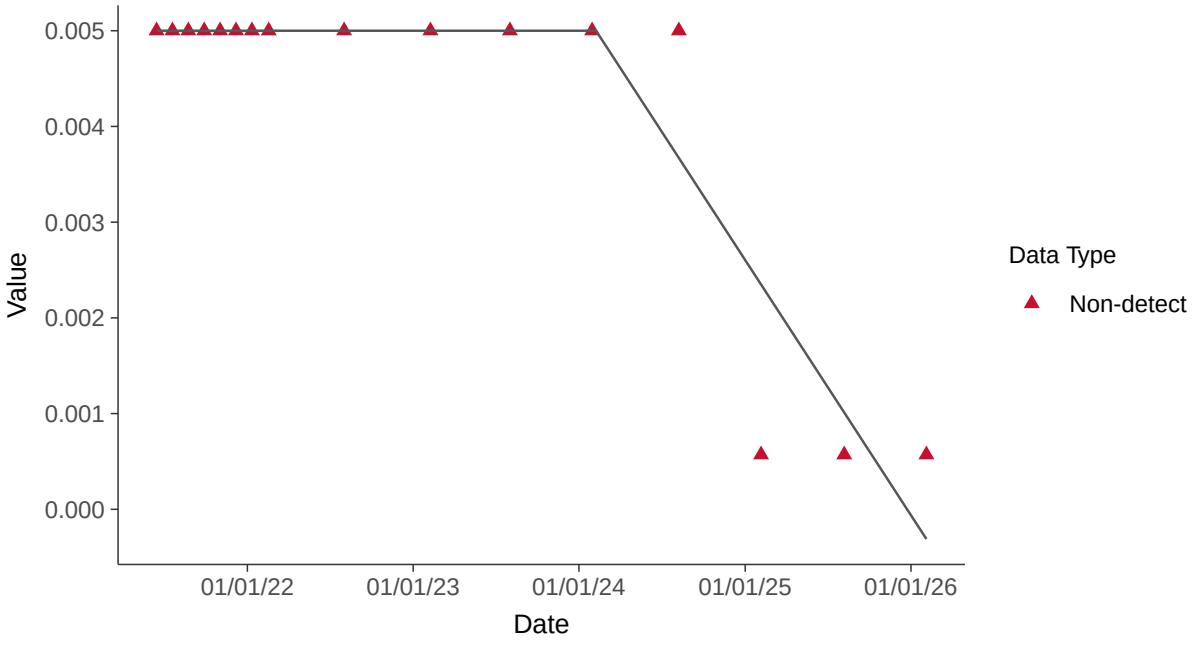
Boxplot by Season

Antimony, MW-10 (mg/l)



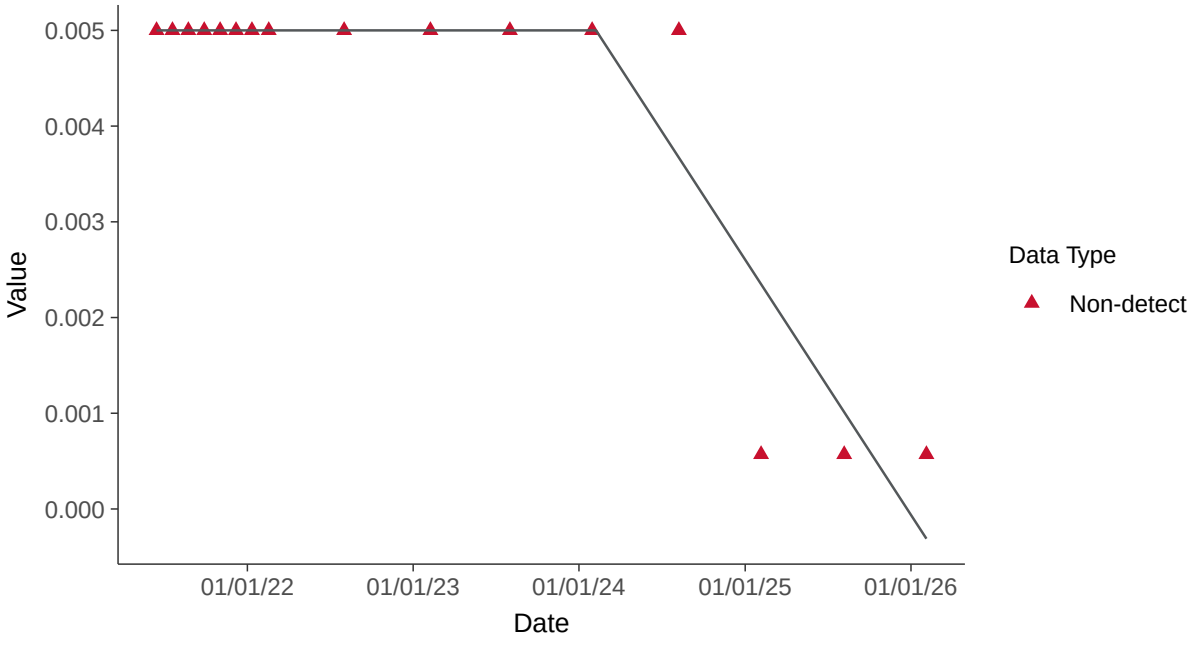
Trend Regression: Piecewise Linear-Linear

Antimony, MW-10 (mg/l)



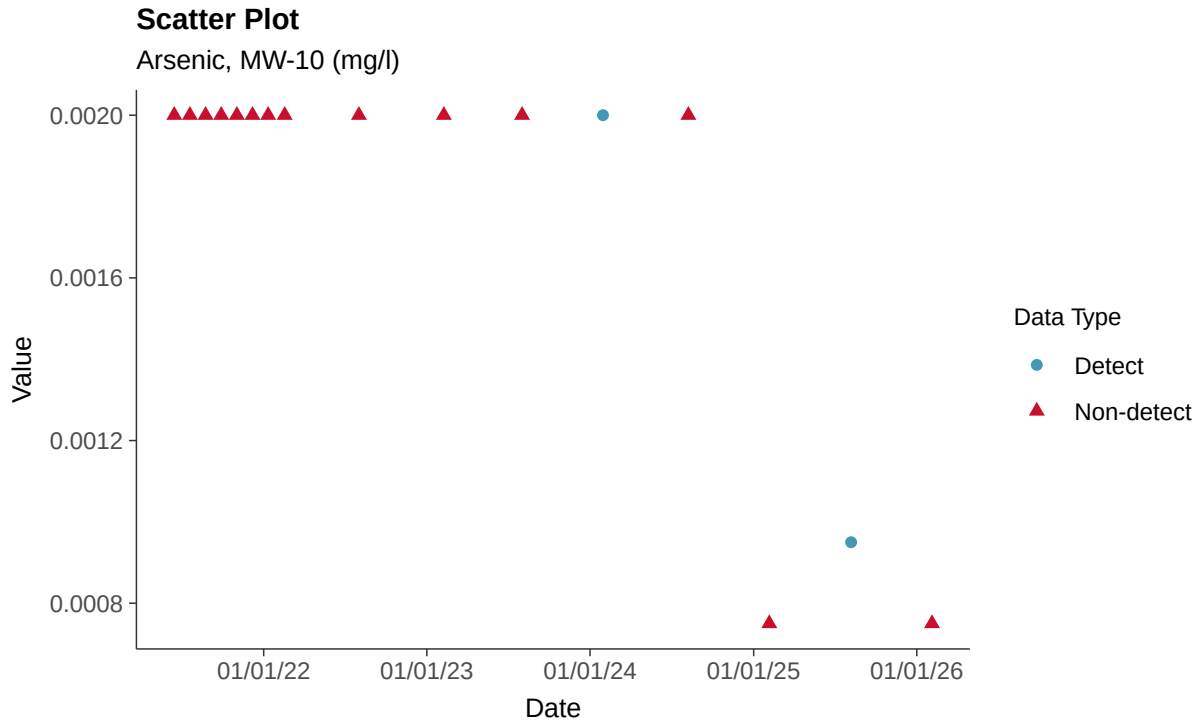
Trend Regression: Piecewise Linear-Linear-Linear

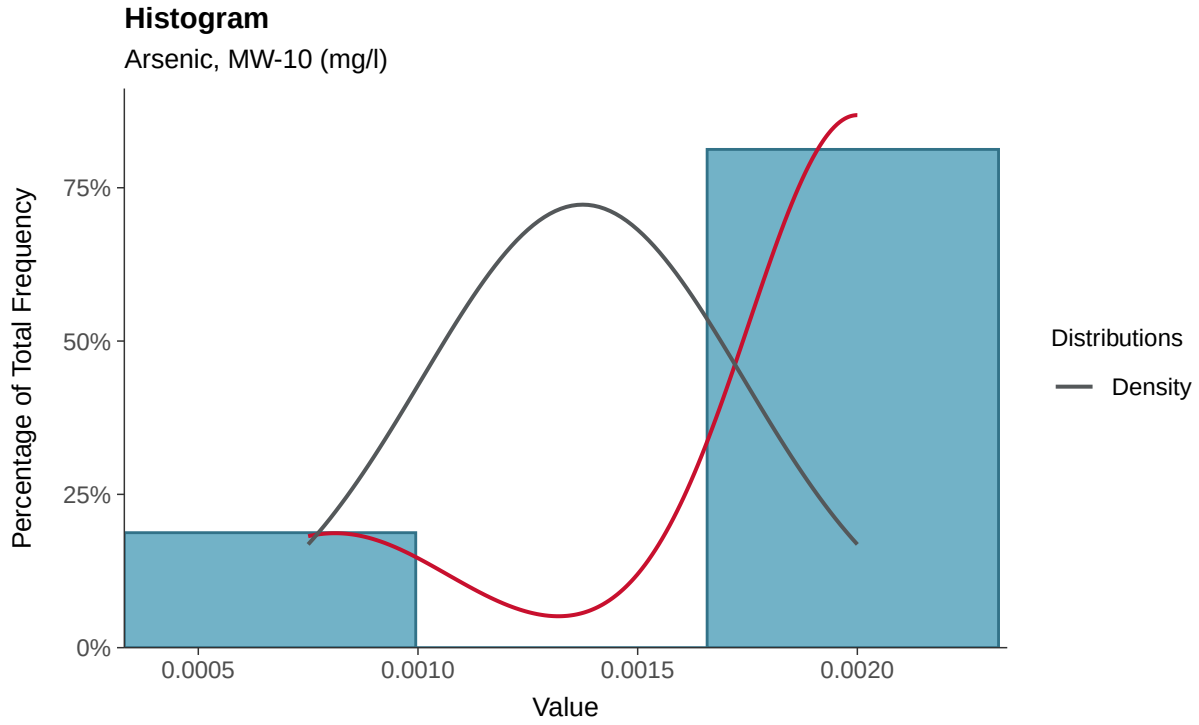
Antimony, MW-10 (mg/l)



Appendix IV: Arsenic, MW-10

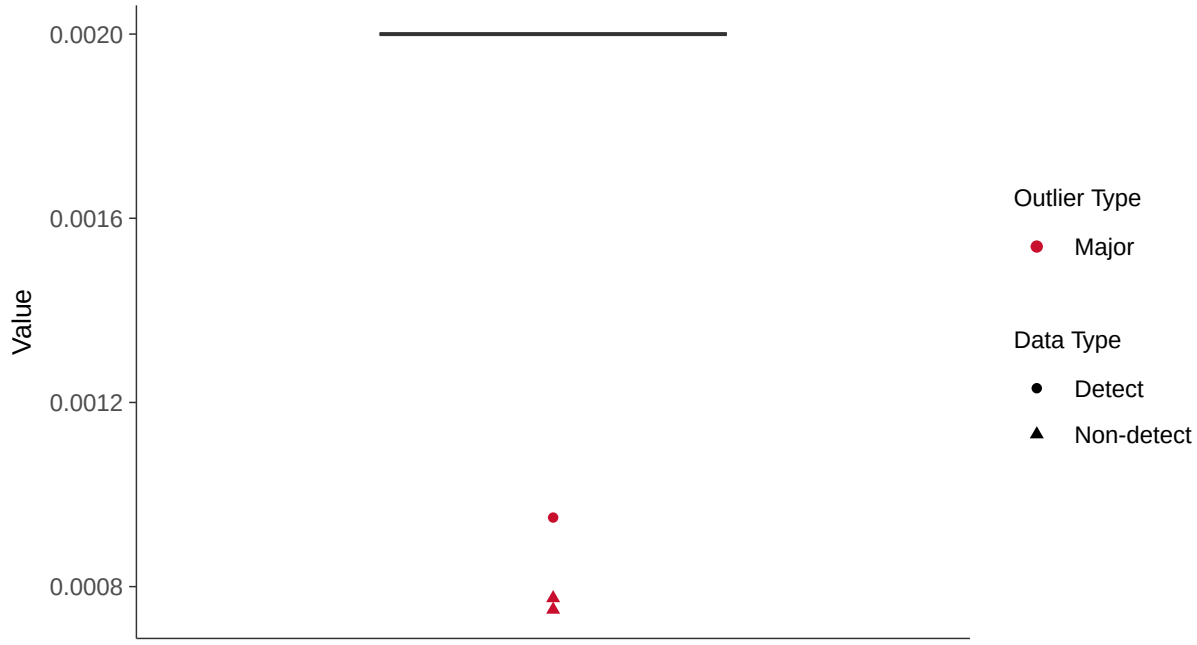
ID: 19_3_102





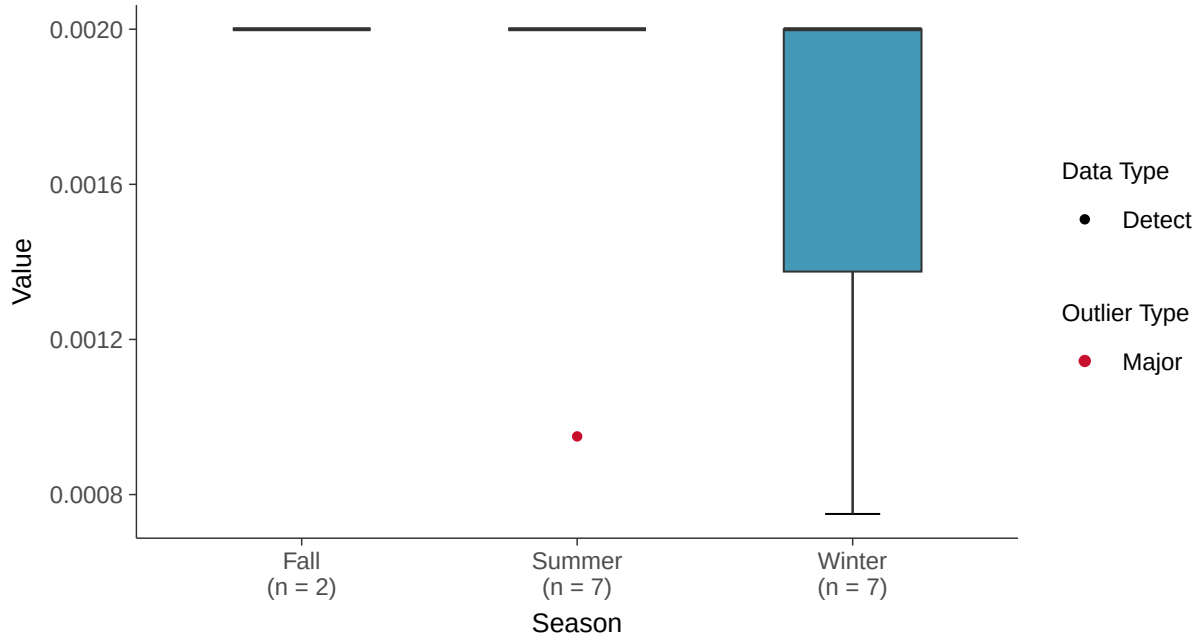
Boxplot

Arsenic, MW-10 (mg/l)



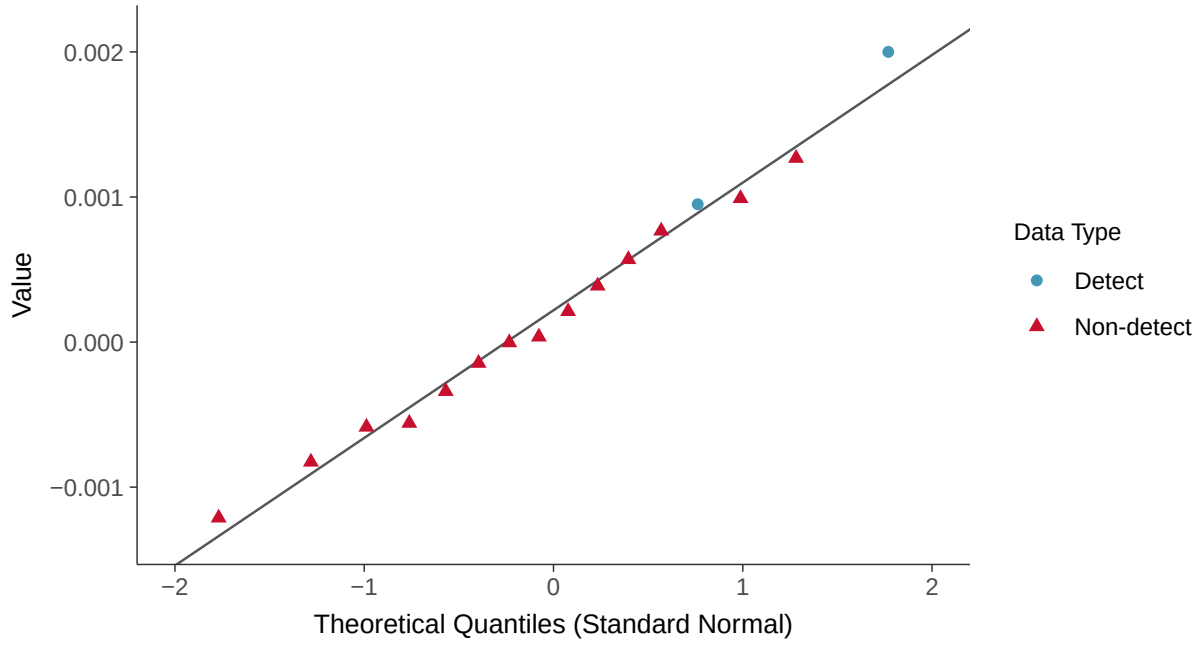
Boxplot by Season

Arsenic, MW-10 (mg/l)



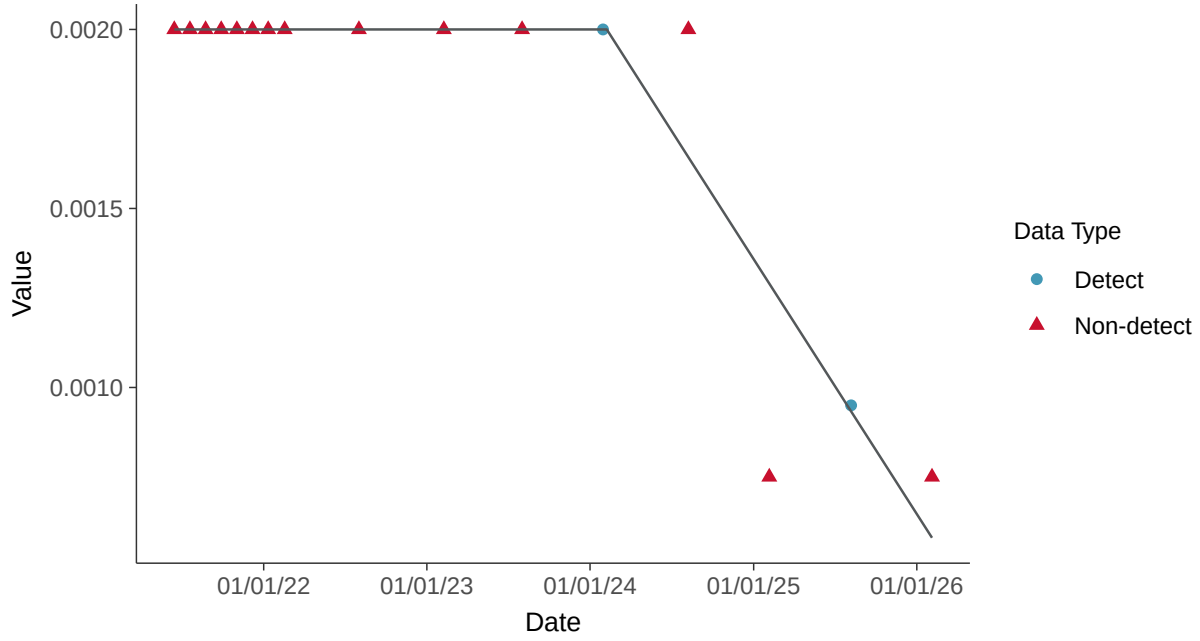
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-10 (mg/l)



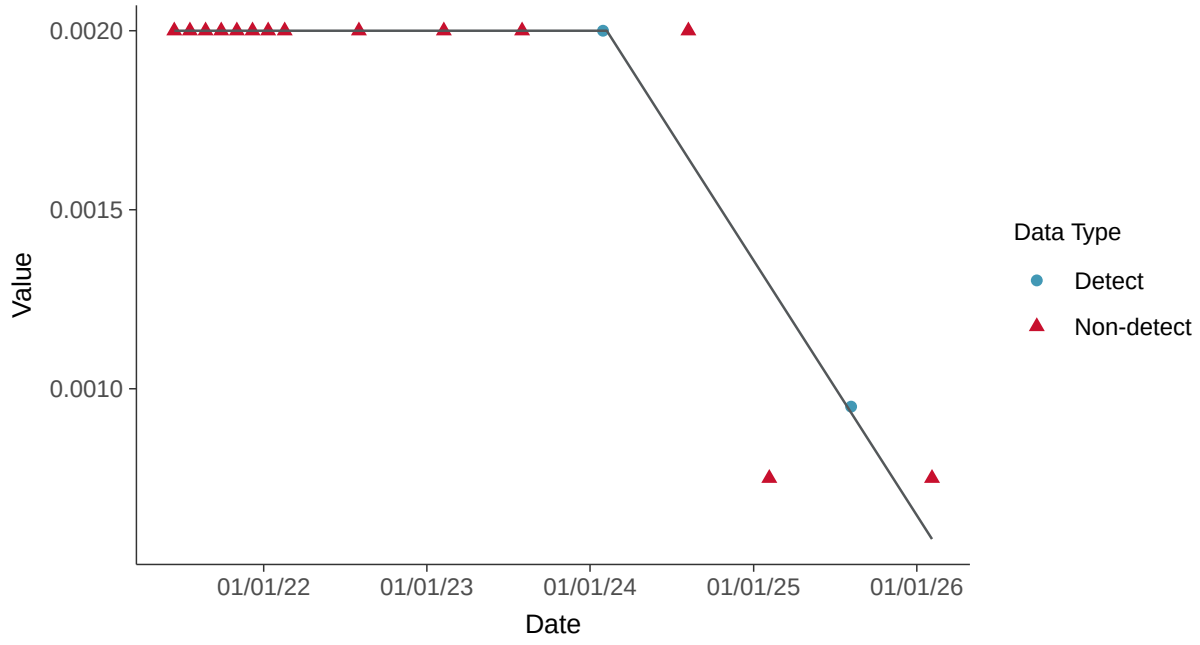
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-10 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Arsenic, MW-10 (mg/l)

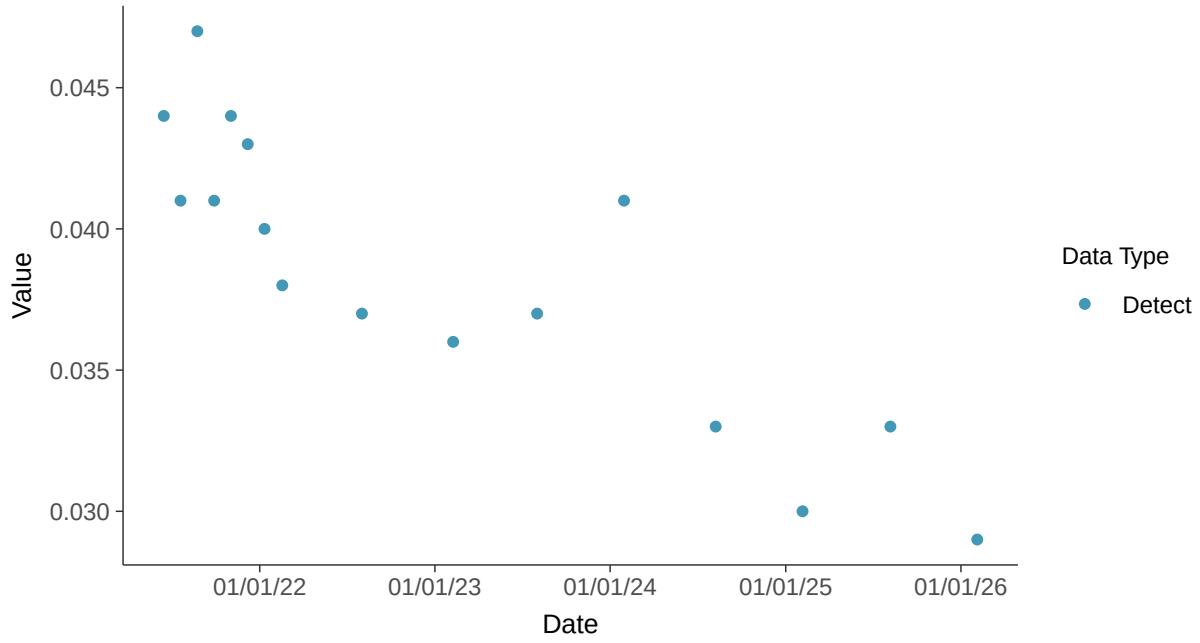


Appendix IV: Barium, MW-10

ID: 19_3_103

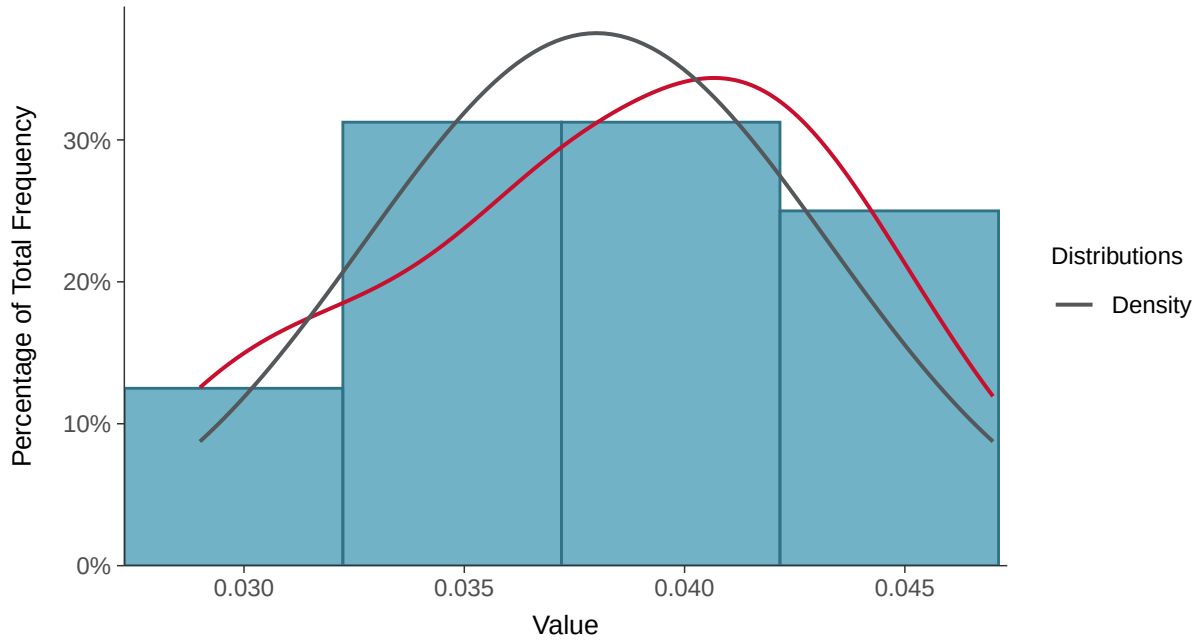
Scatter Plot

Barium, MW-10 (mg/l)



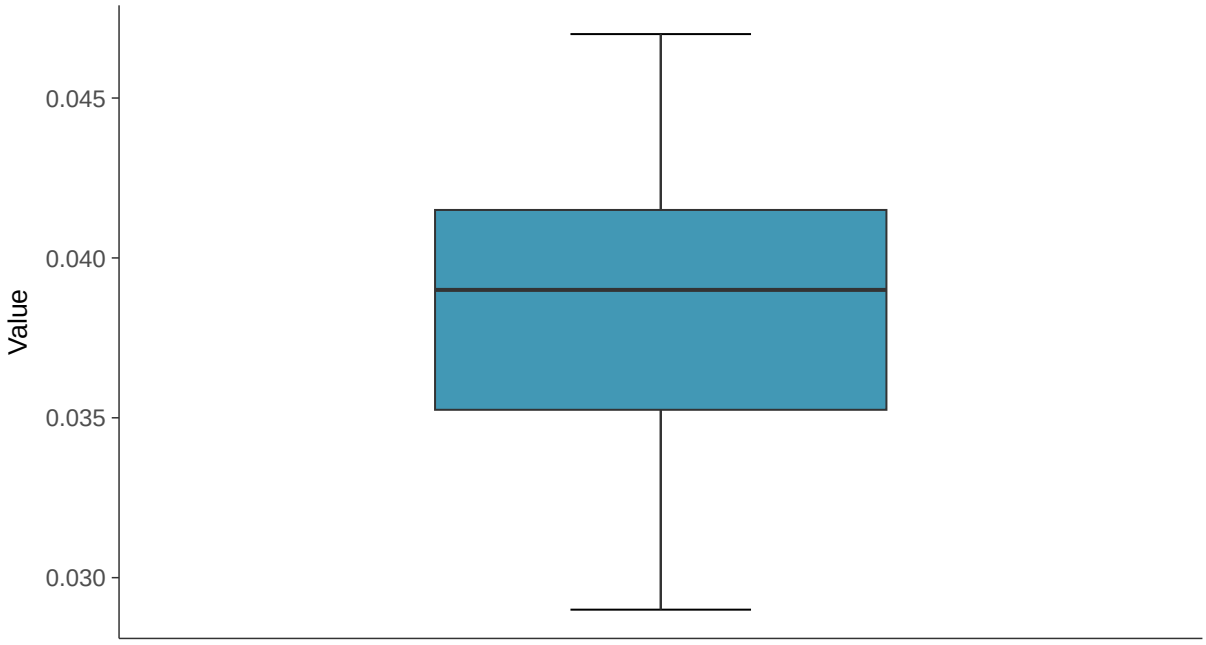
Histogram

Barium, MW-10 (mg/l)



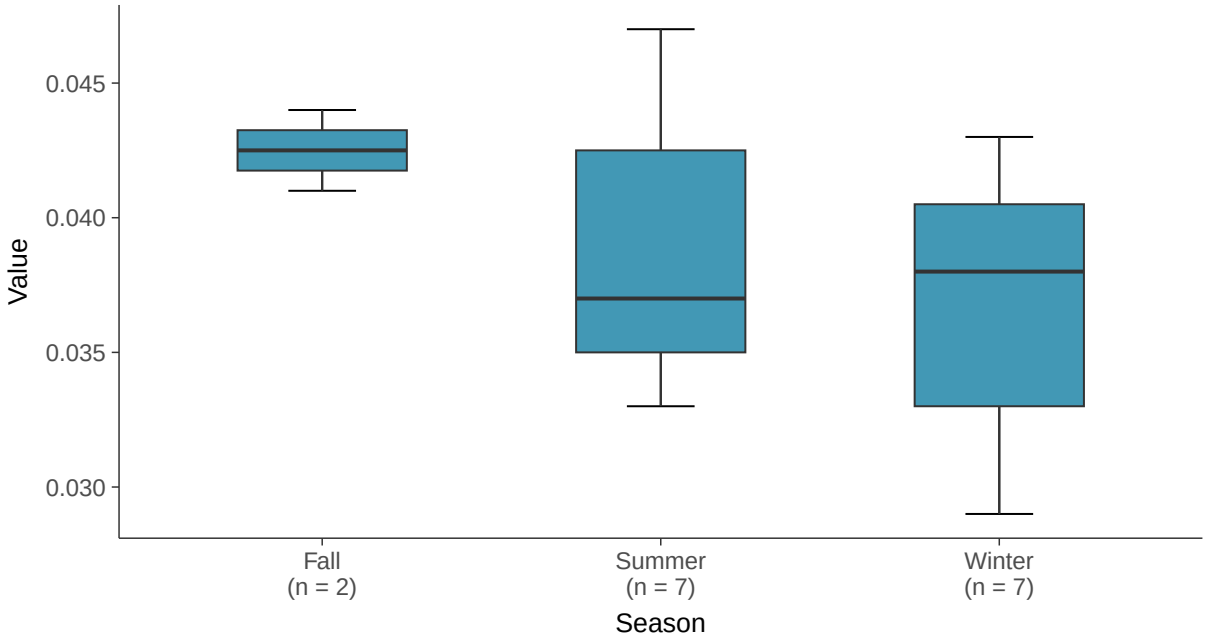
Boxplot

Barium, MW-10 (mg/l)



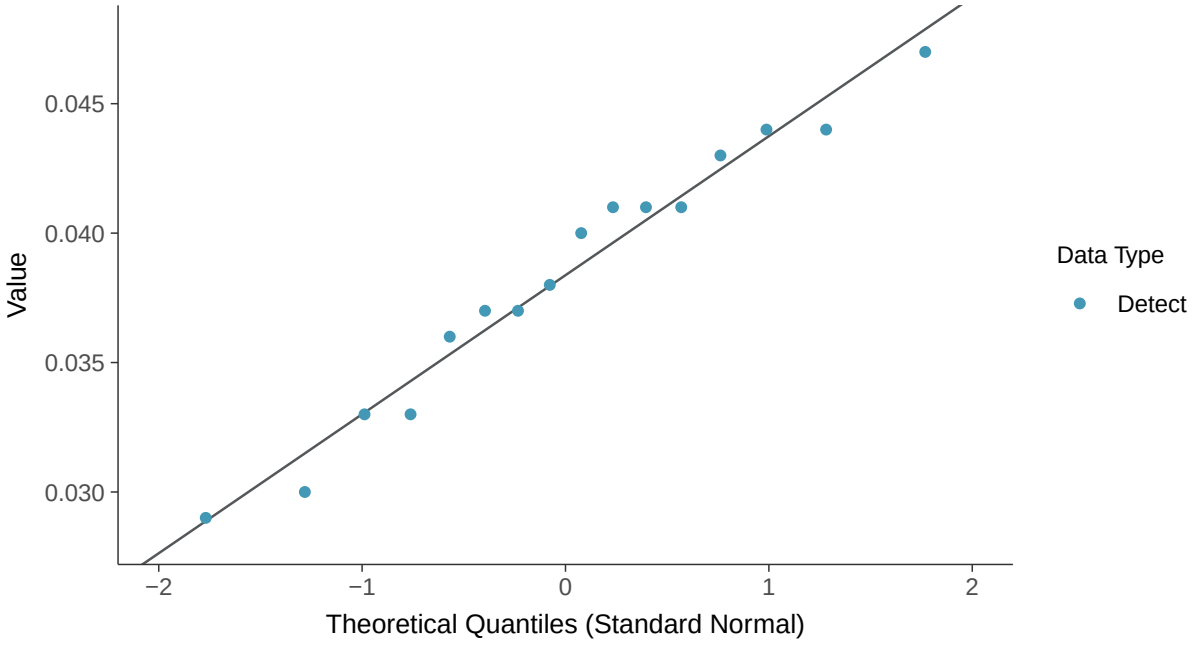
Boxplot by Season

Barium, MW-10 (mg/l)



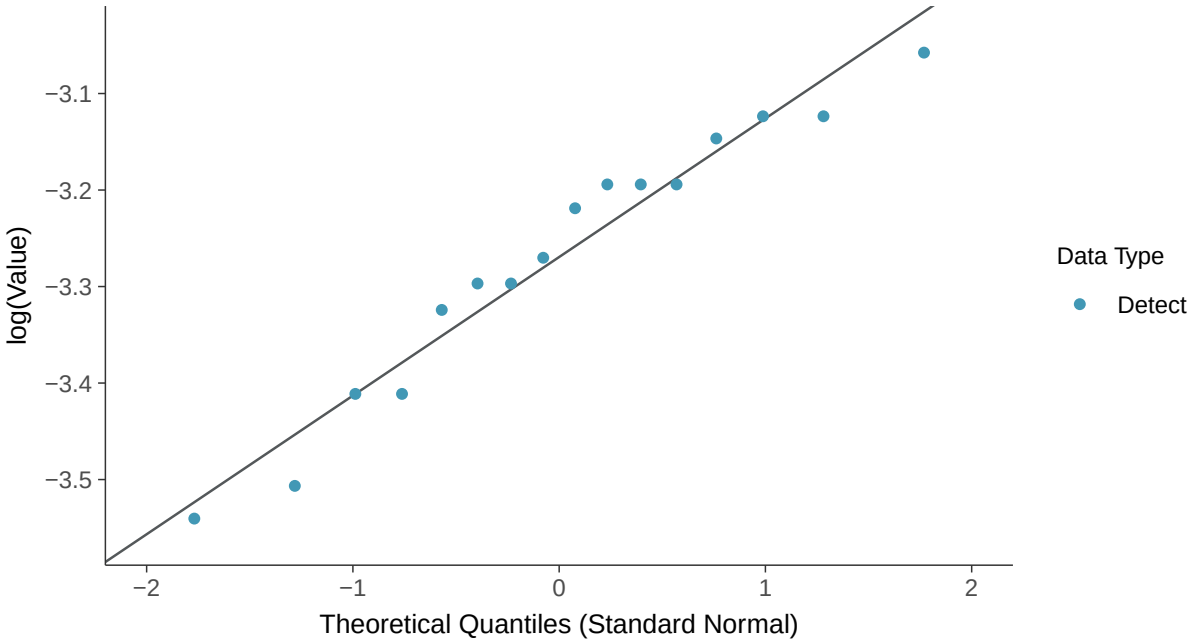
Normal Q-Q plot

Barium, MW-10 (mg/l)



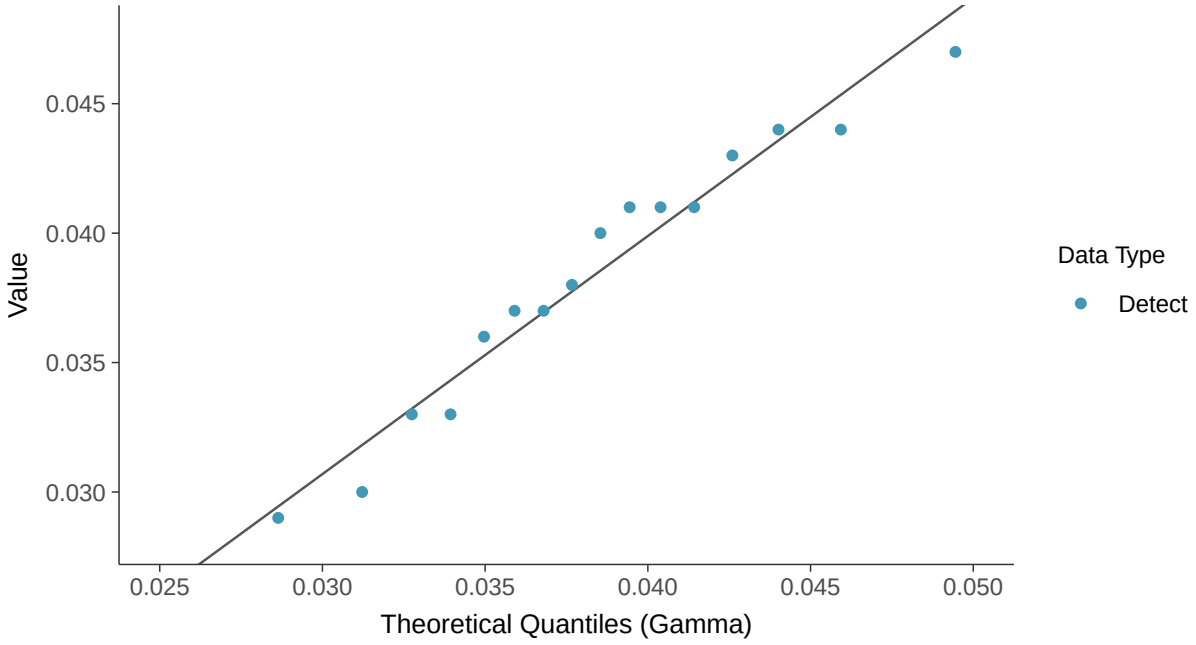
Lognormal Q-Q plot

Barium, MW-10 (mg/l)



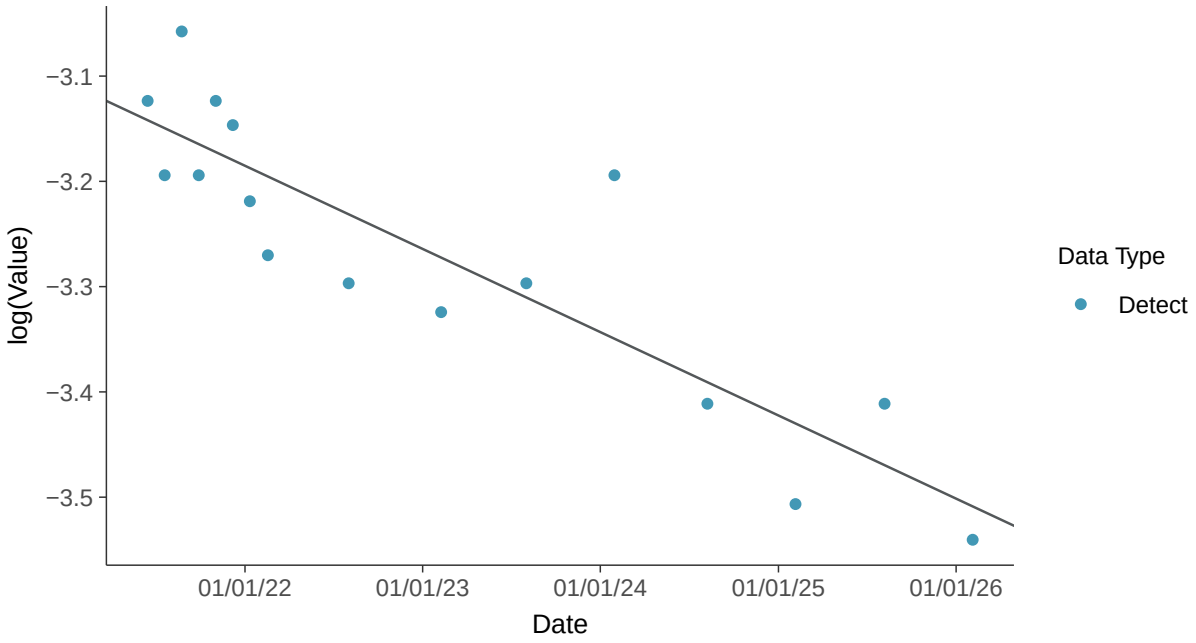
Gamma Q-Q plot

Barium, MW-10 (mg/l)



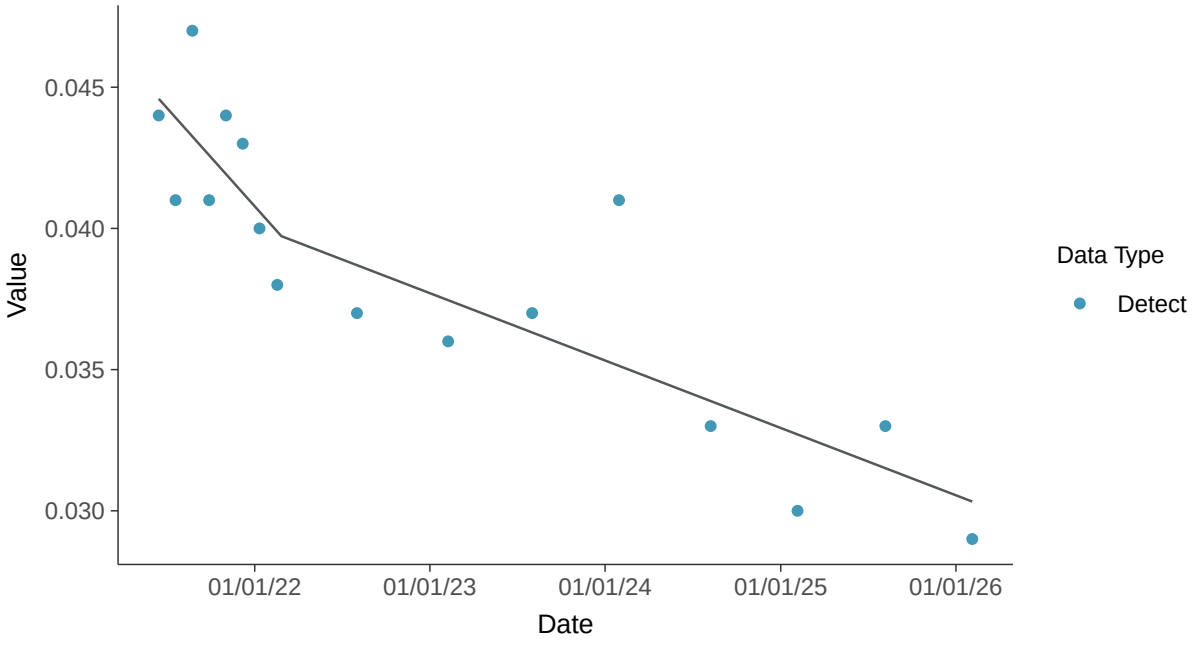
Trend Regression: Lognormal MLE

Barium, MW-10 (mg/l)



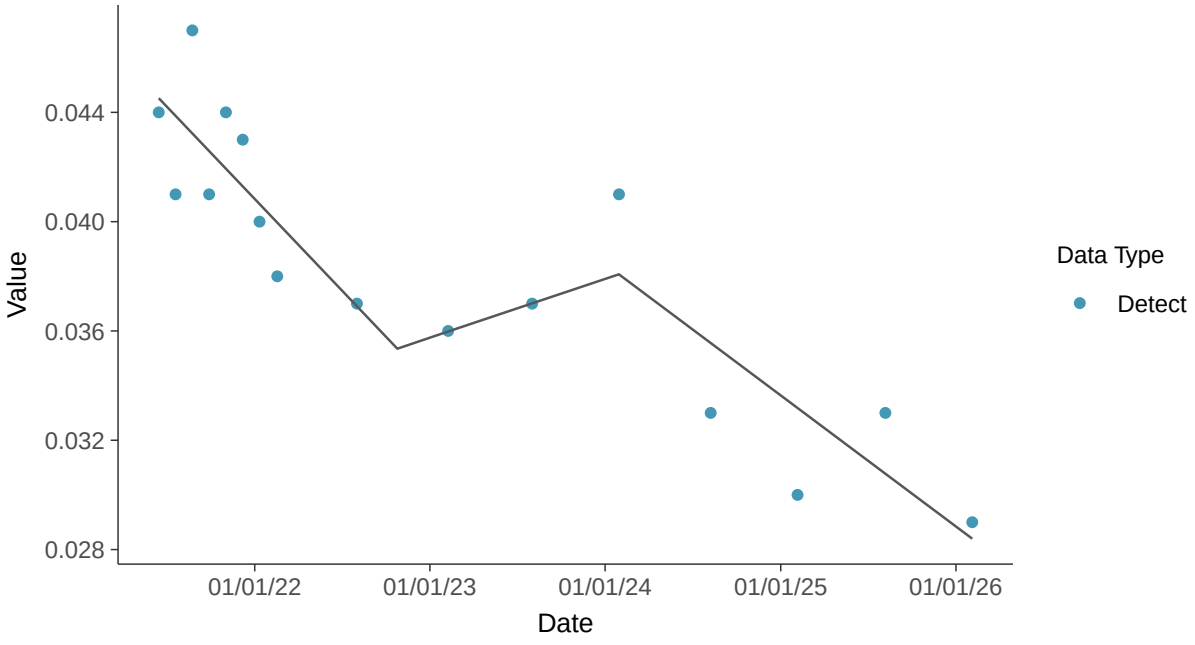
Trend Regression: Piecewise Linear-Linear

Barium, MW-10 (mg/l)



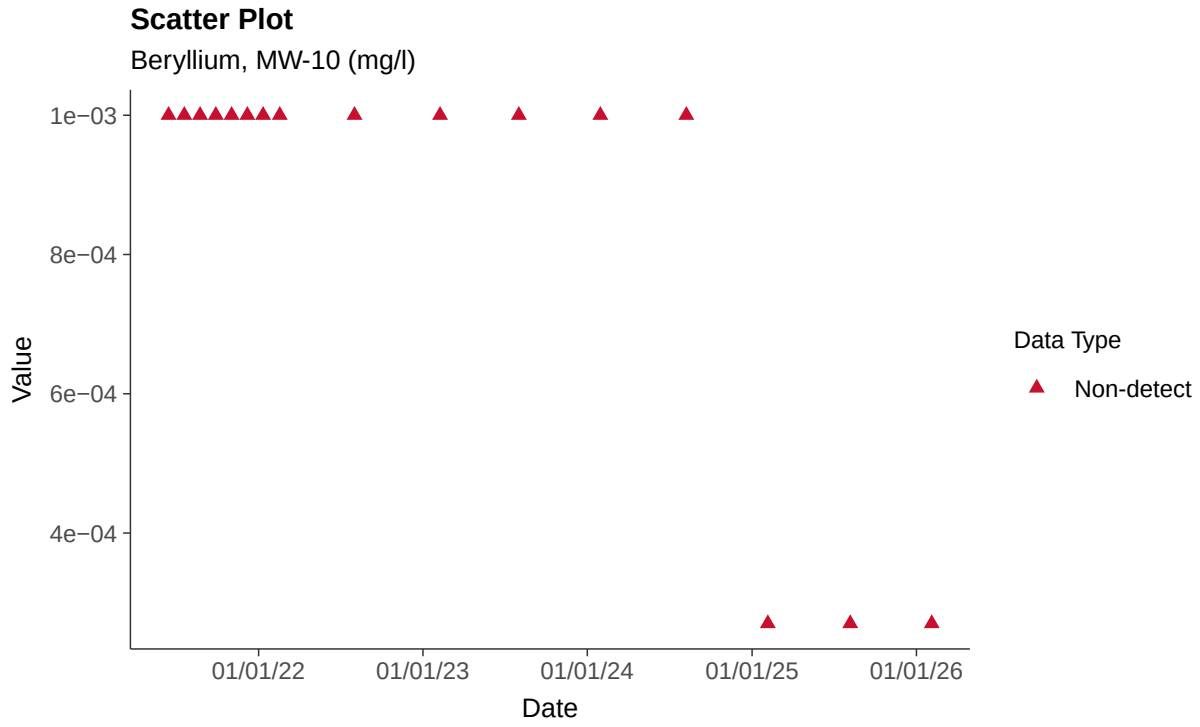
Trend Regression: Piecewise Linear-Linear-Linear

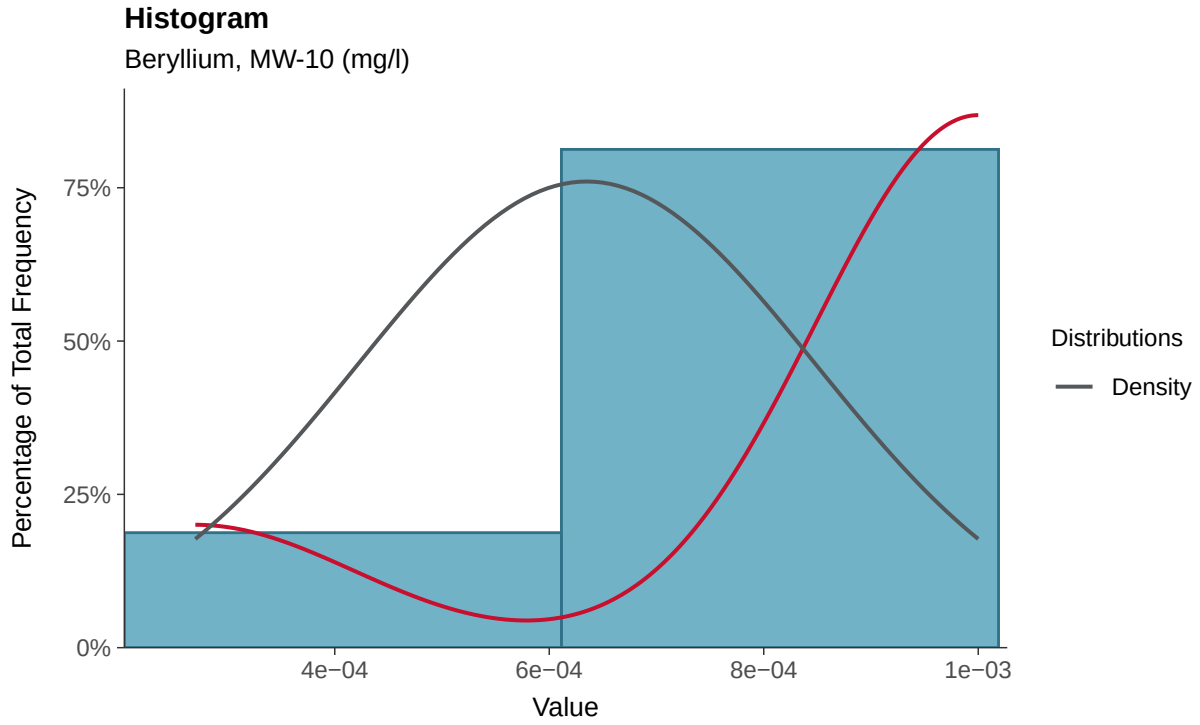
Barium, MW-10 (mg/l)



Appendix IV: Beryllium, MW-10

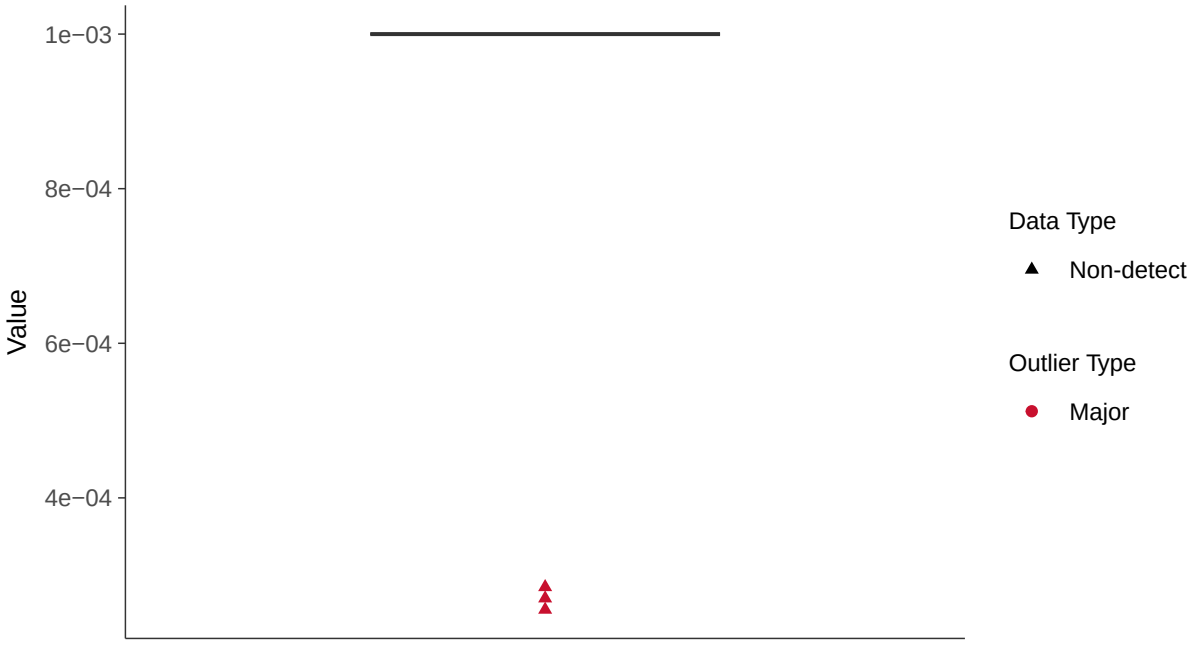
ID: 19_3_104





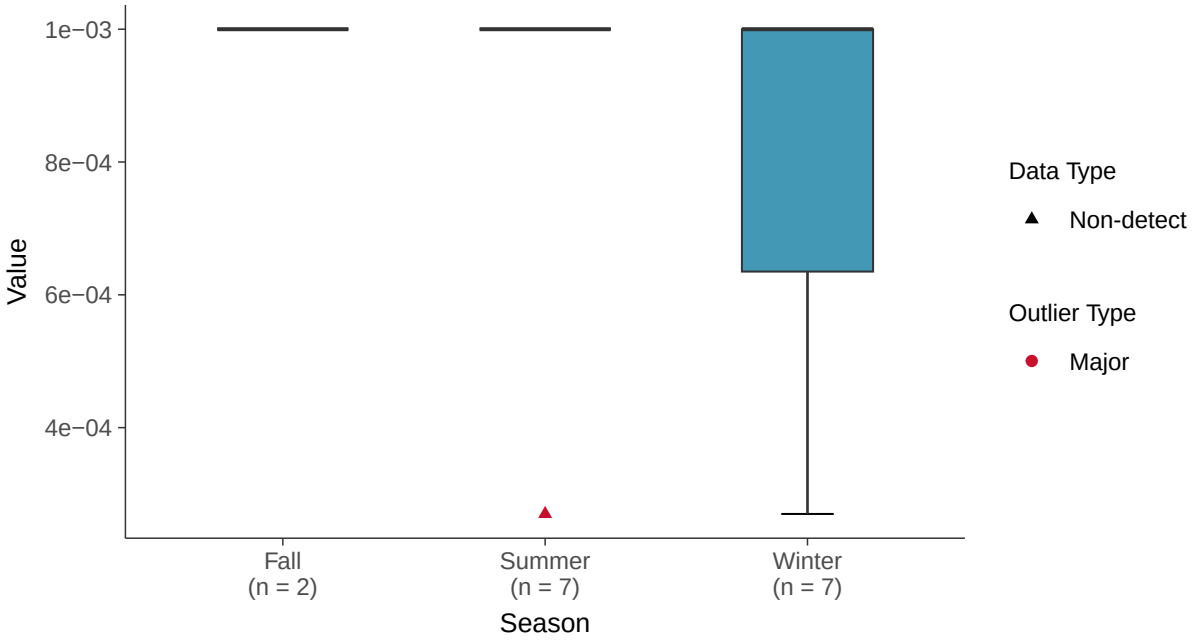
Boxplot

Beryllium, MW-10 (mg/l)



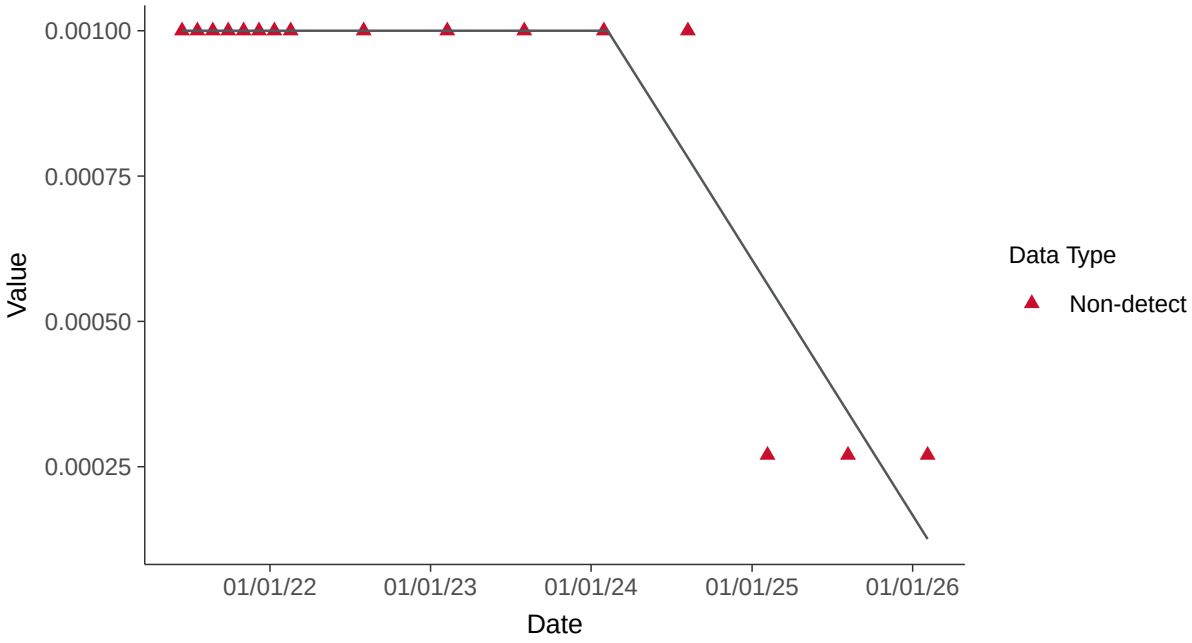
Boxplot by Season

Beryllium, MW-10 (mg/l)



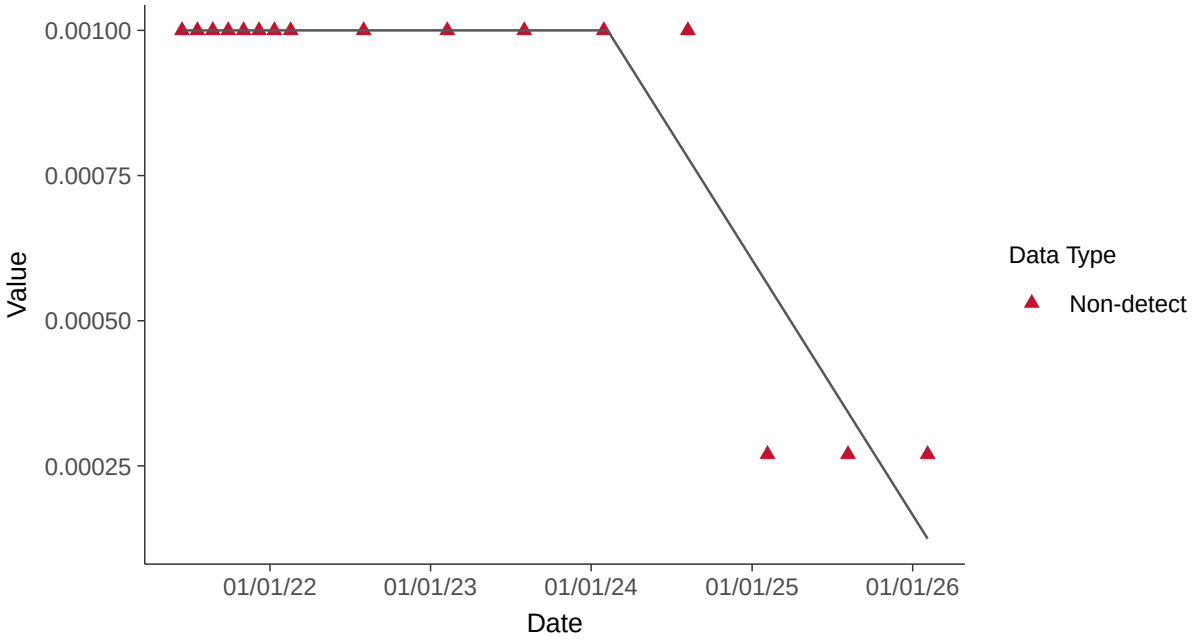
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-10 (mg/l)



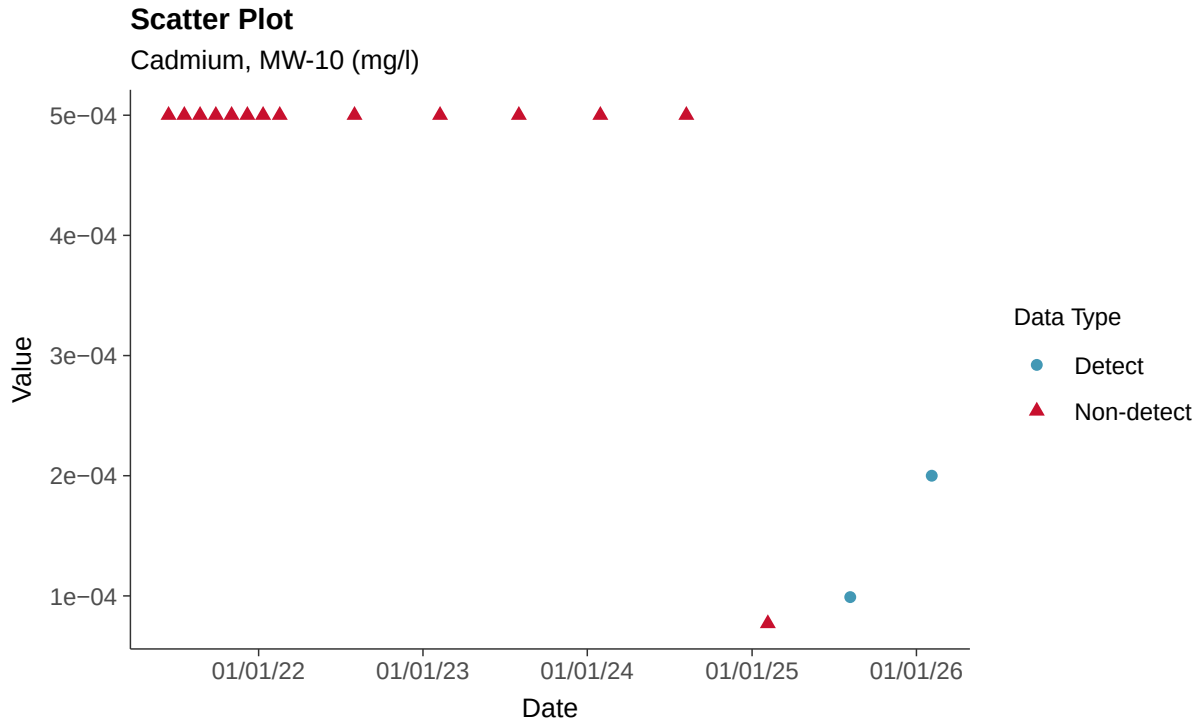
Trend Regression: Piecewise Linear-Linear-Linear

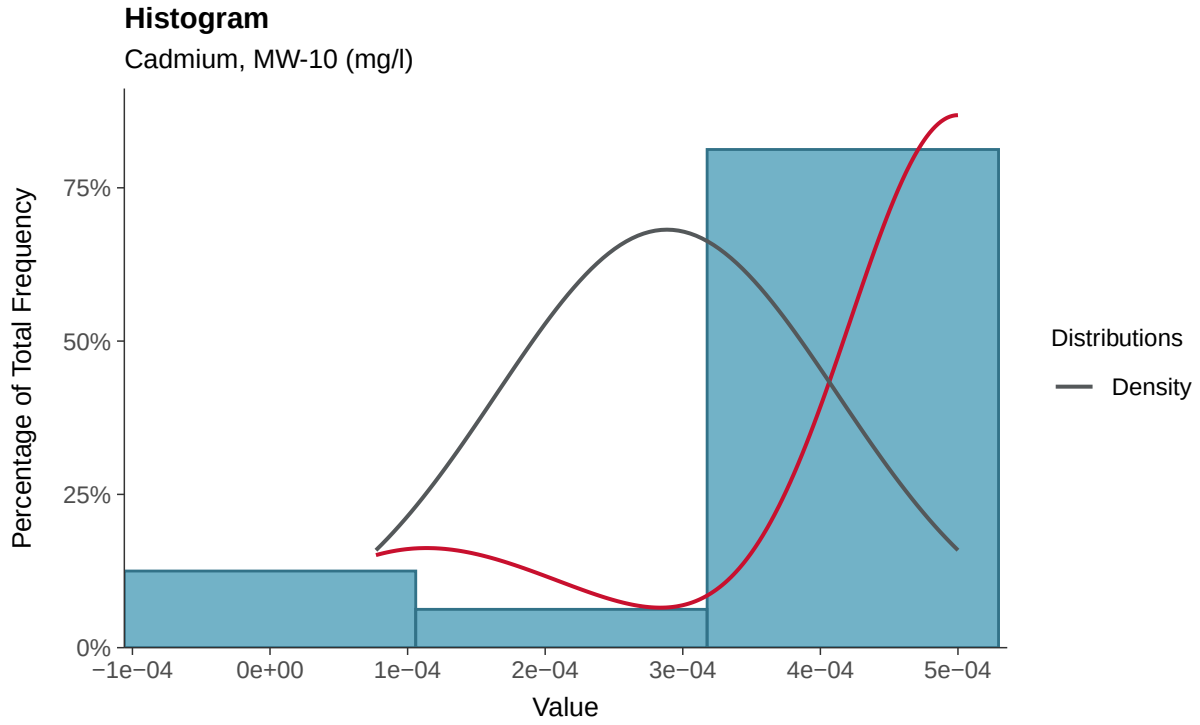
Beryllium, MW-10 (mg/l)



Appendix IV: Cadmium, MW-10

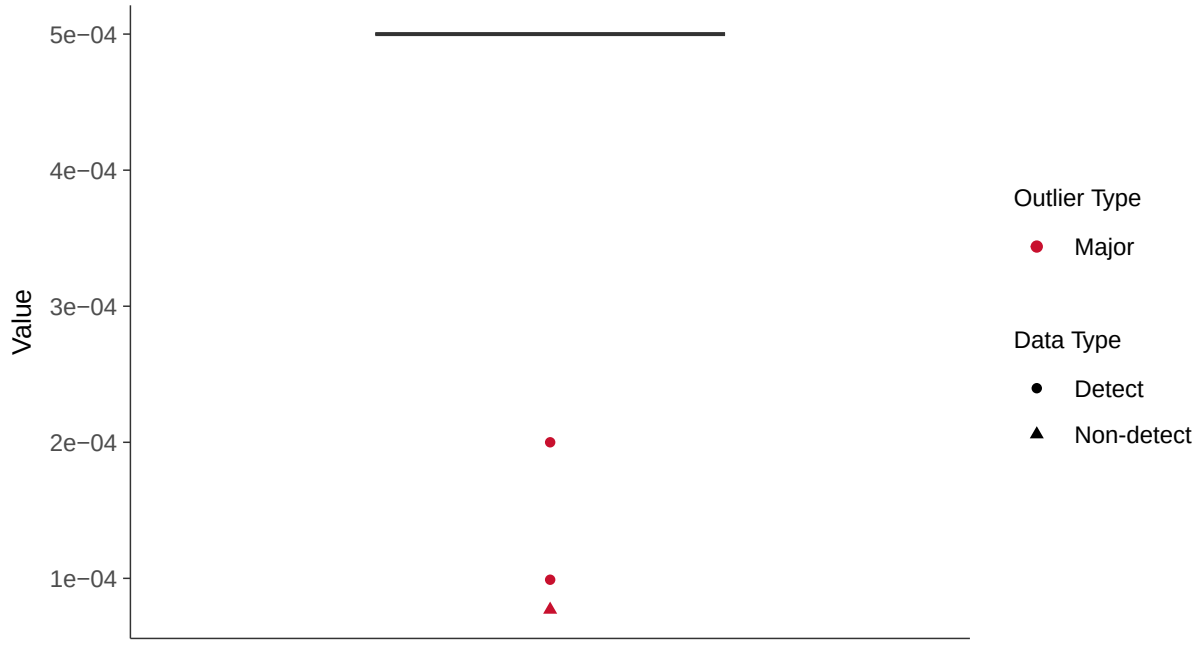
ID: 19_3_106





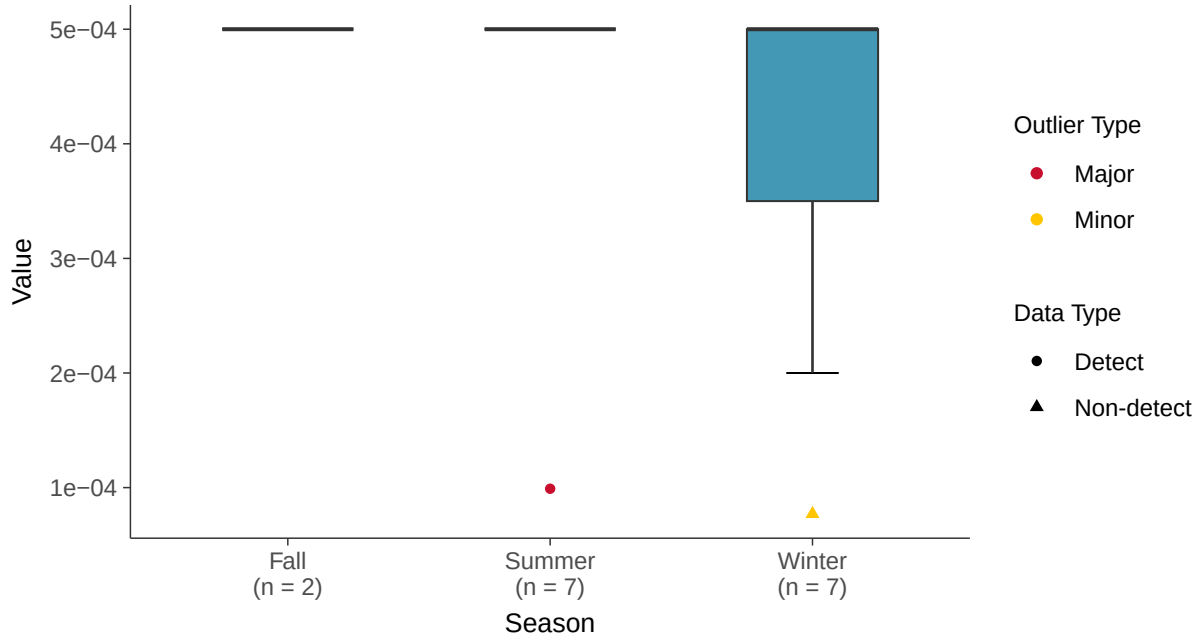
Boxplot

Cadmium, MW-10 (mg/l)



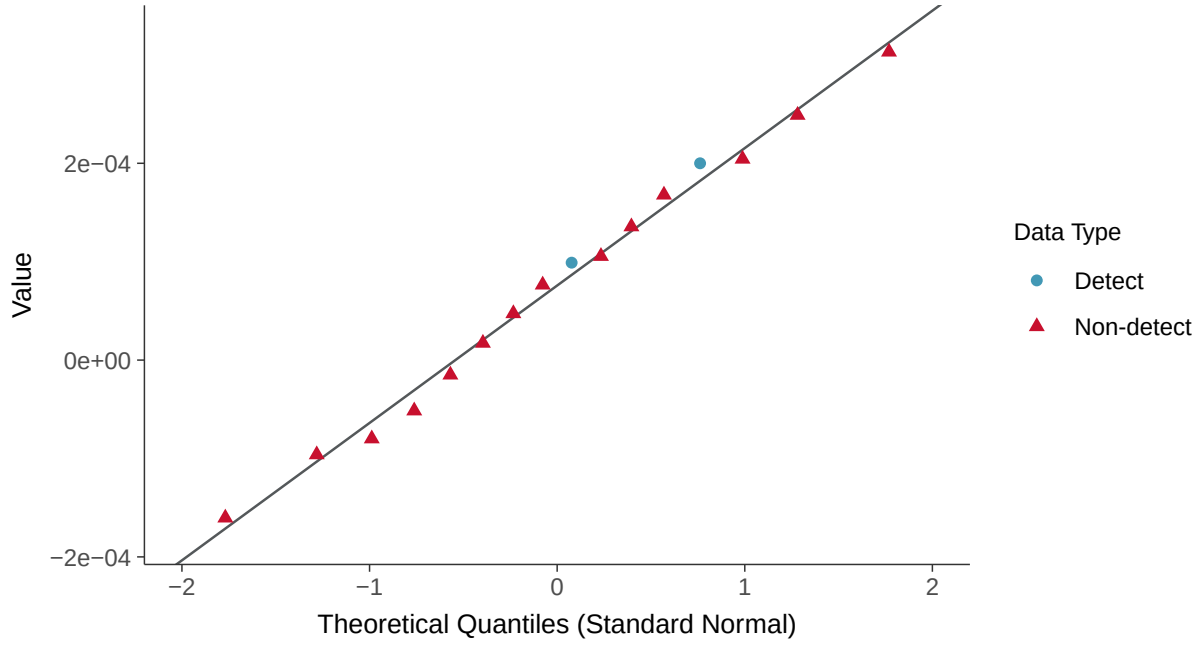
Boxplot by Season

Cadmium, MW-10 (mg/l)



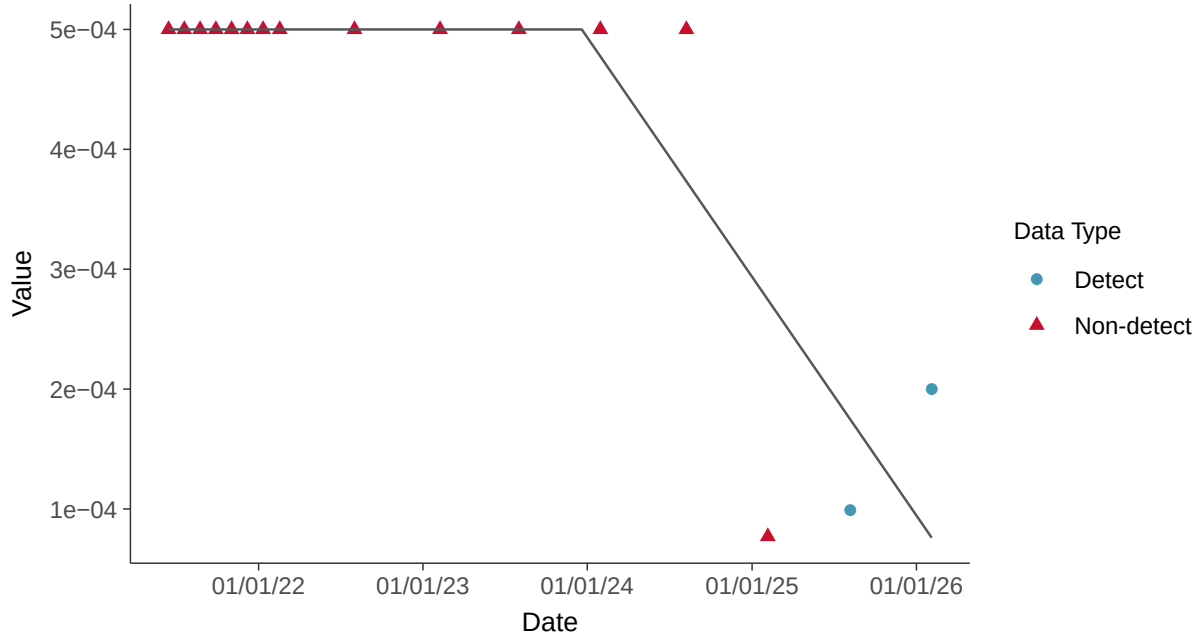
Normal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-10 (mg/l)



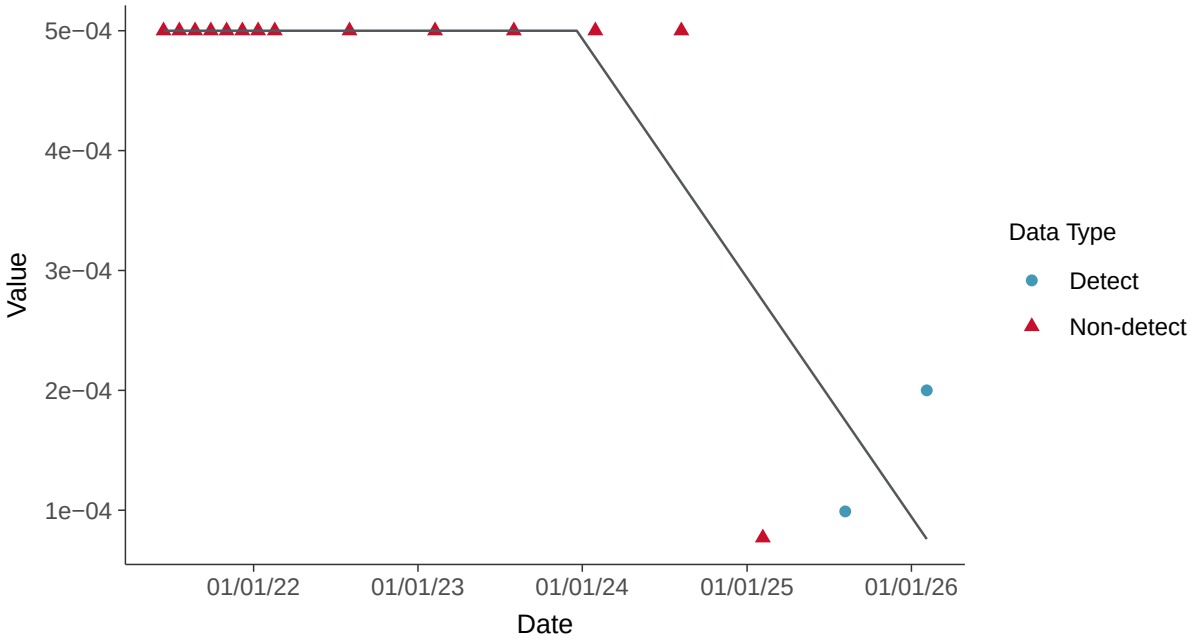
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-10 (mg/l)



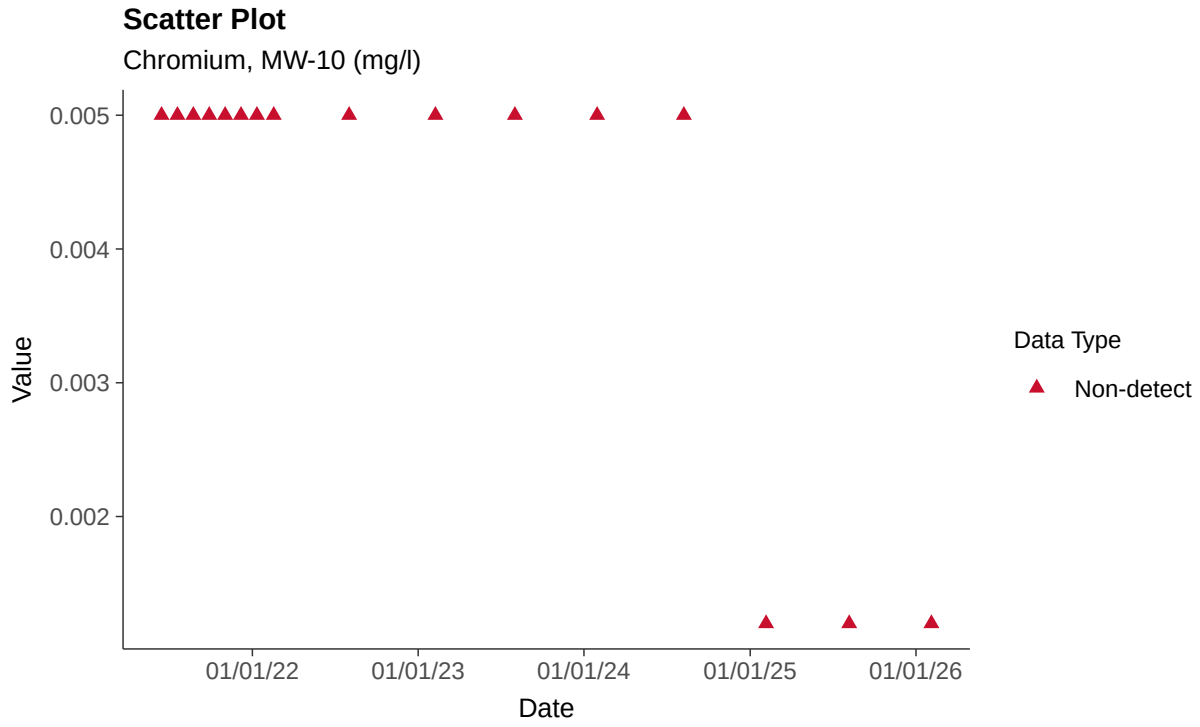
Trend Regression: Piecewise Linear-Linear-Linear

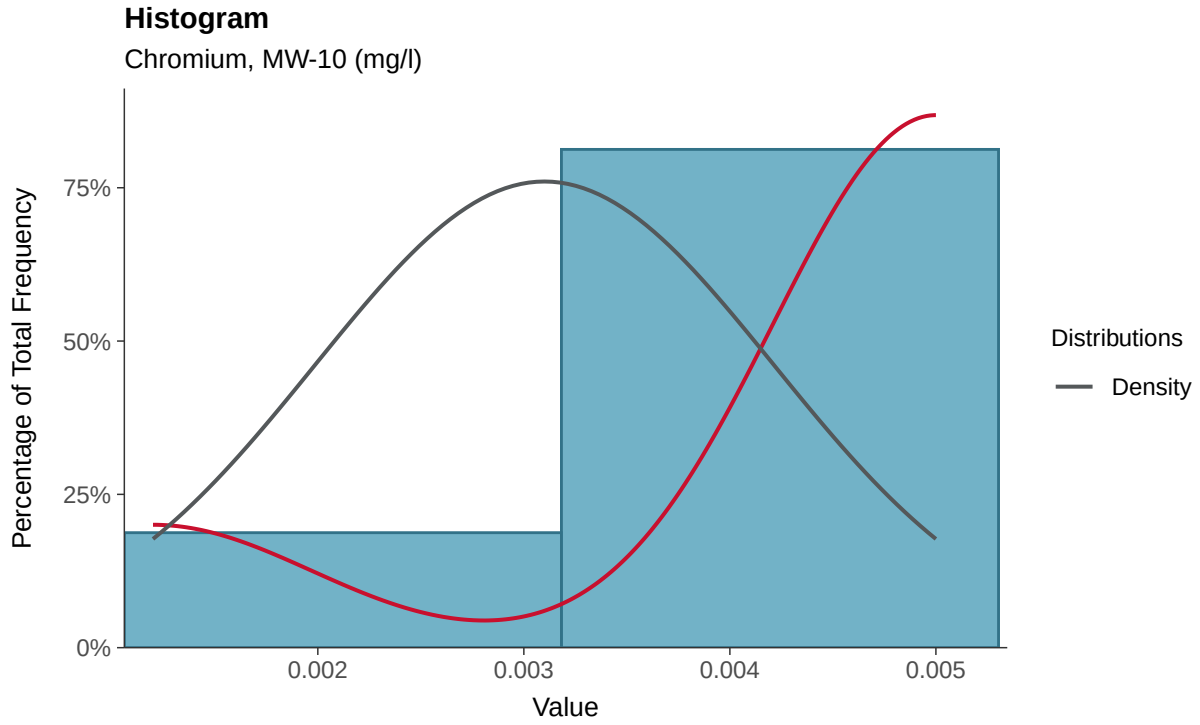
Cadmium, MW-10 (mg/l)



Appendix IV: Chromium, MW-10

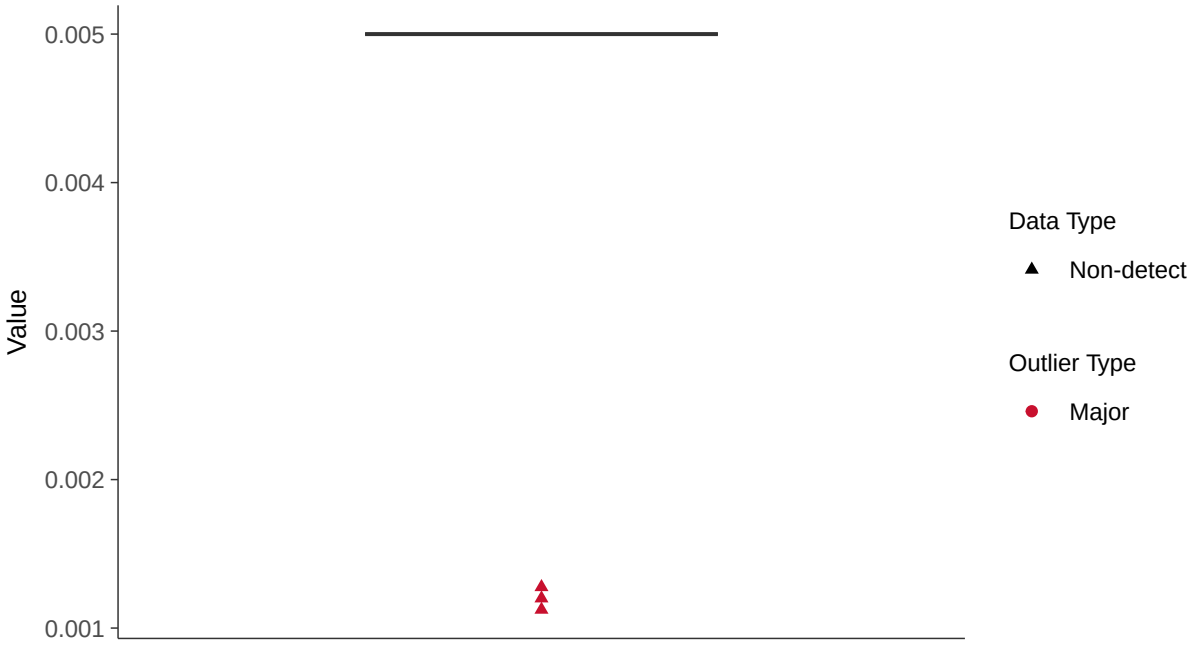
ID: 19_3_109





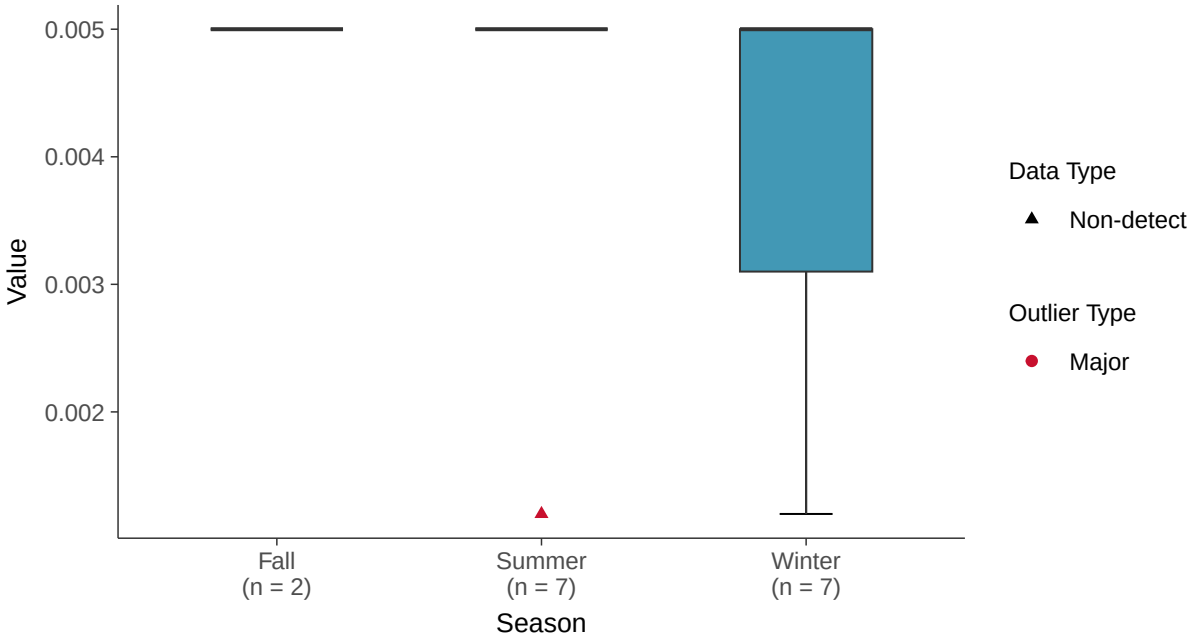
Boxplot

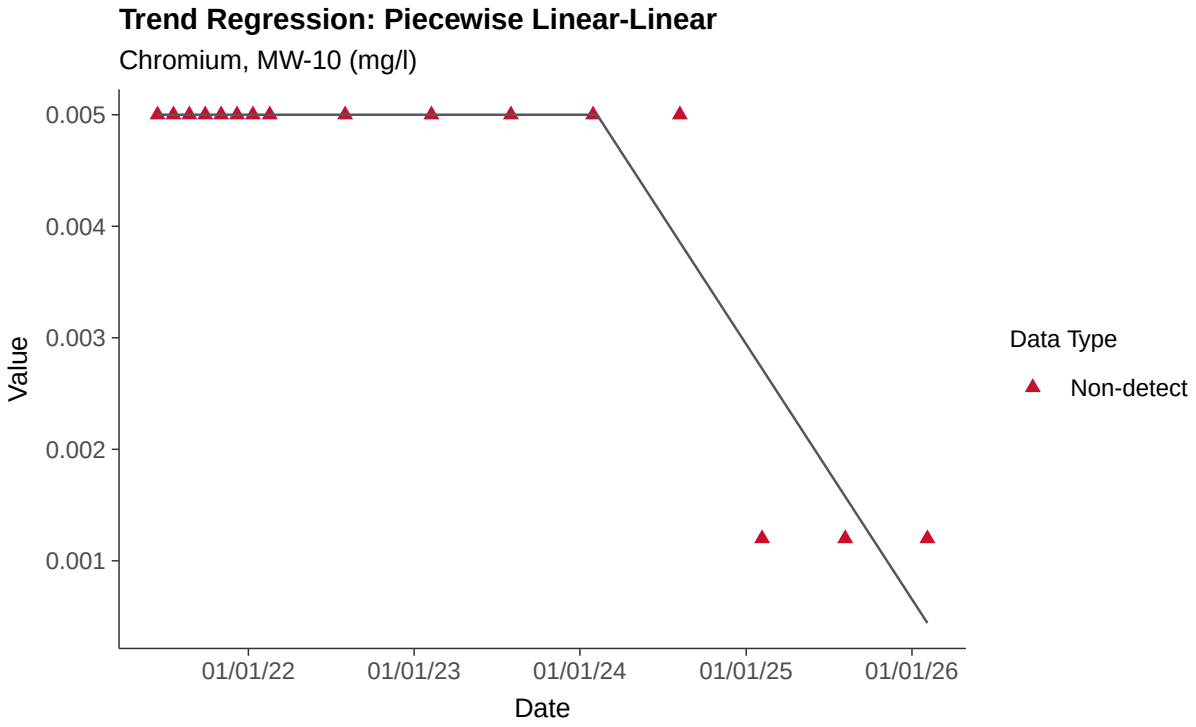
Chromium, MW-10 (mg/l)



Boxplot by Season

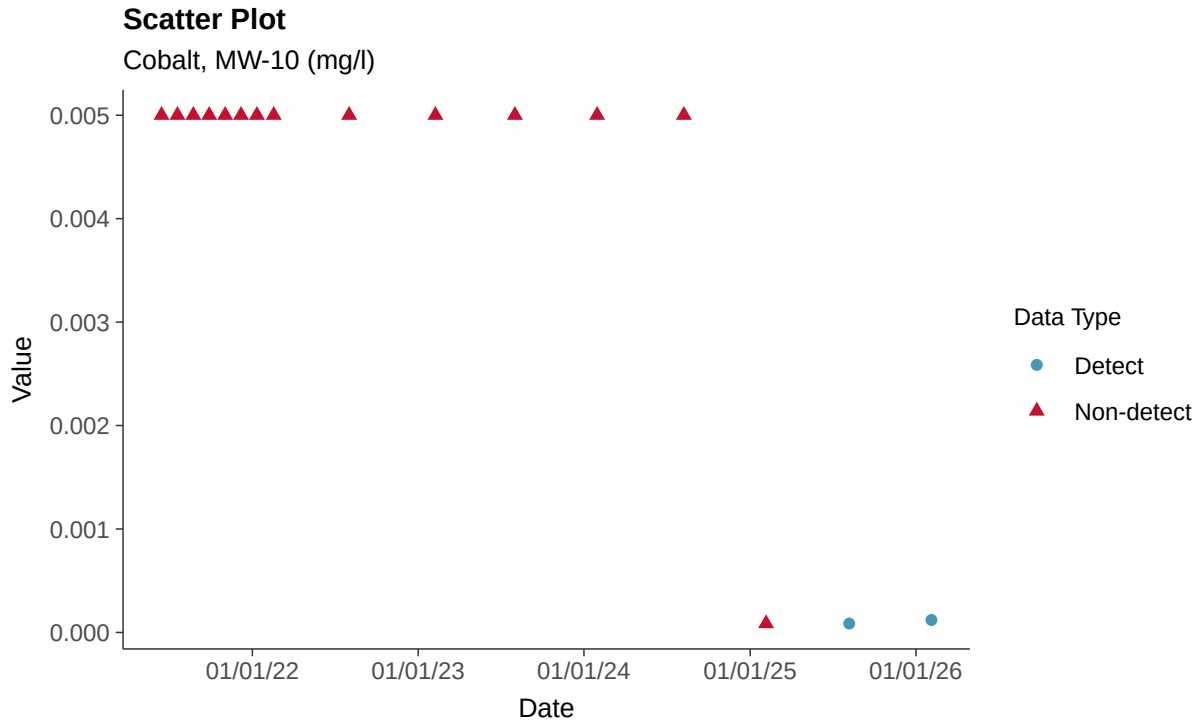
Chromium, MW-10 (mg/l)

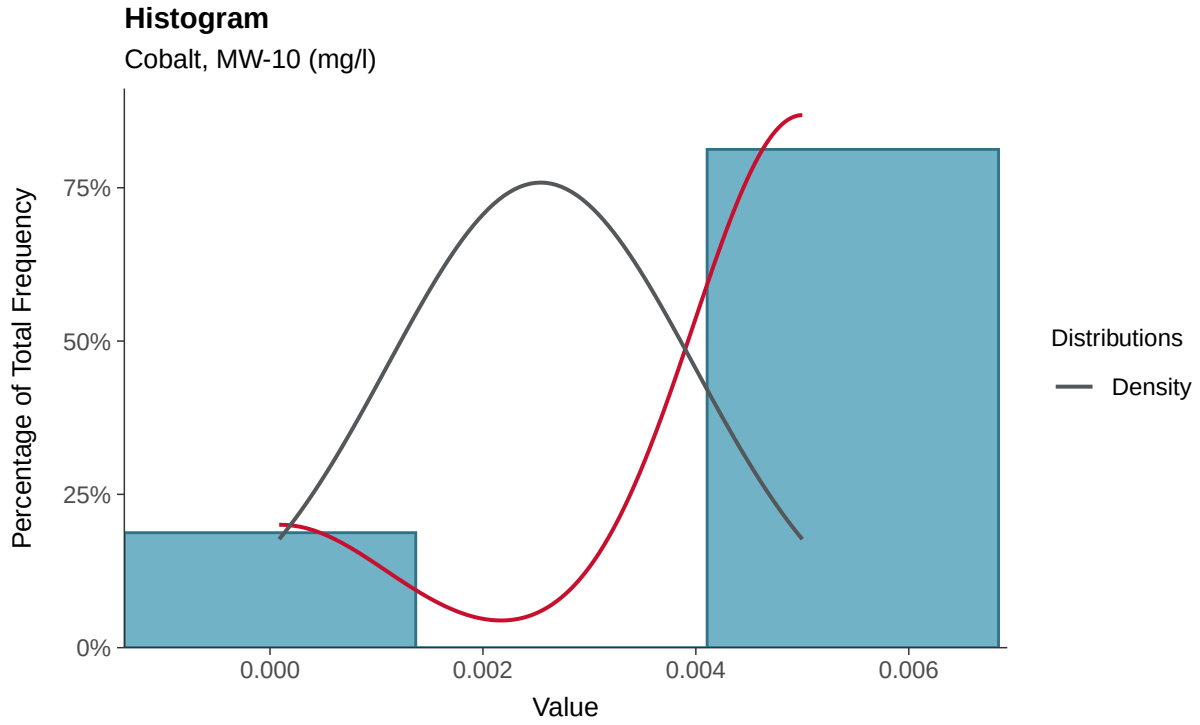



Trend Regression: Piecewise Linear-Linear
Chromium, MW-10 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cobalt, MW-10

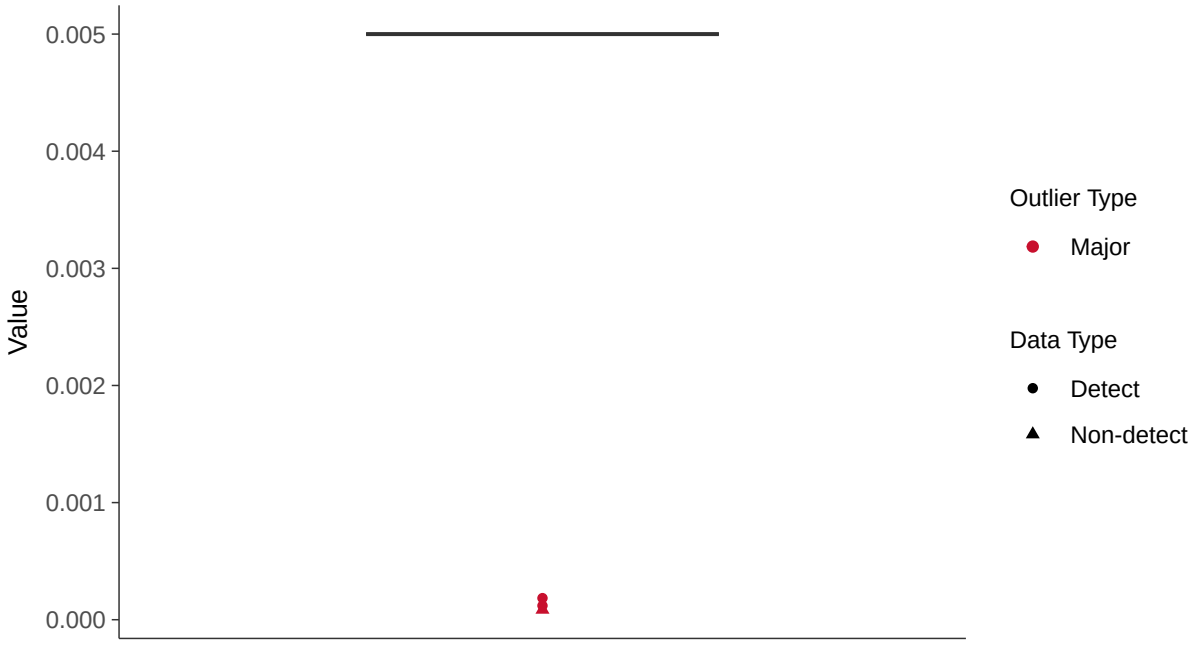
ID: 19_3_110





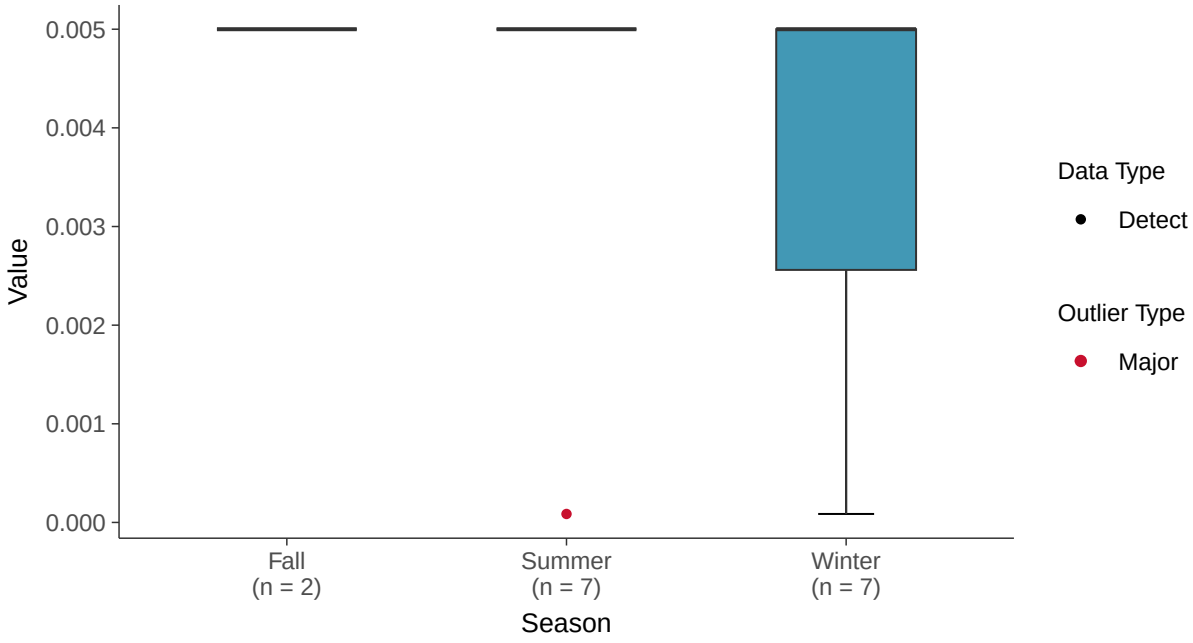
Boxplot

Cobalt, MW-10 (mg/l)



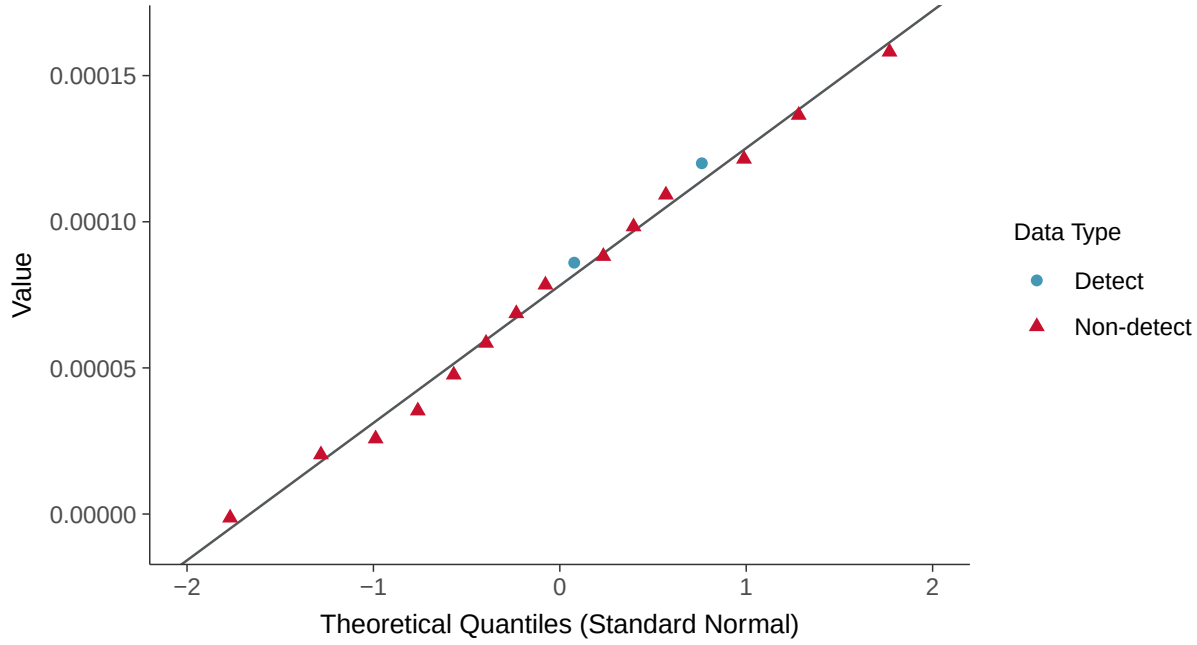
Boxplot by Season

Cobalt, MW-10 (mg/l)



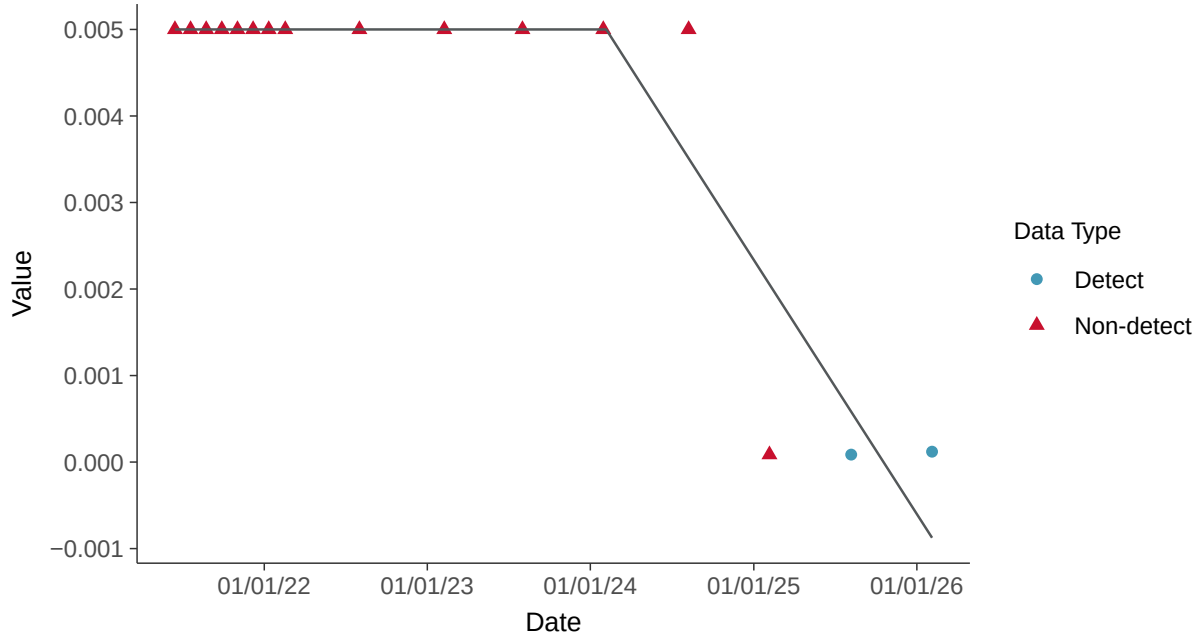
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-10 (mg/l)



Trend Regression: Piecewise Linear-Linear

Cobalt, MW-10 (mg/l)

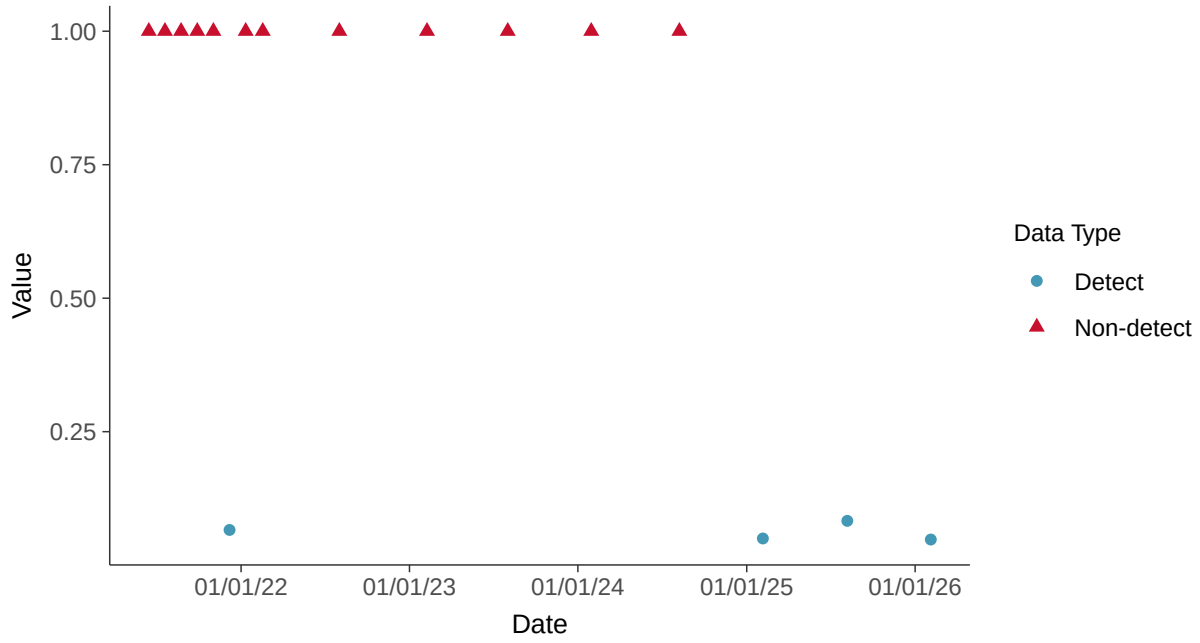


Appendix IV: Fluoride (App IV), MW-10

ID: 19_3_113

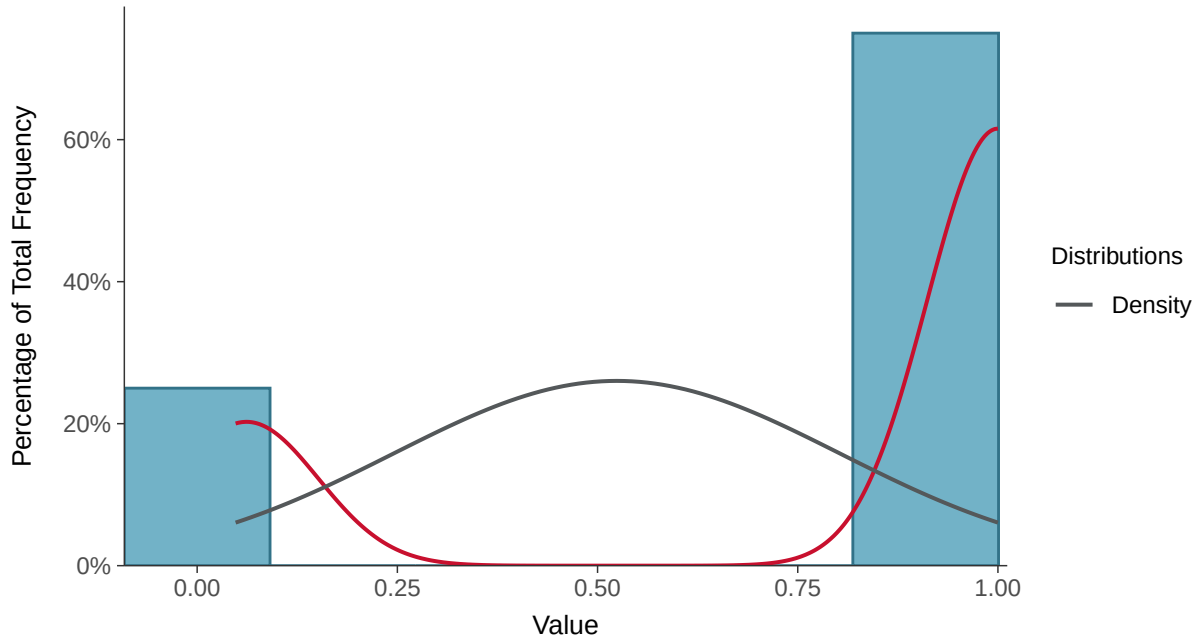
Scatter Plot

Fluoride (App IV), MW-10 (mg/l)



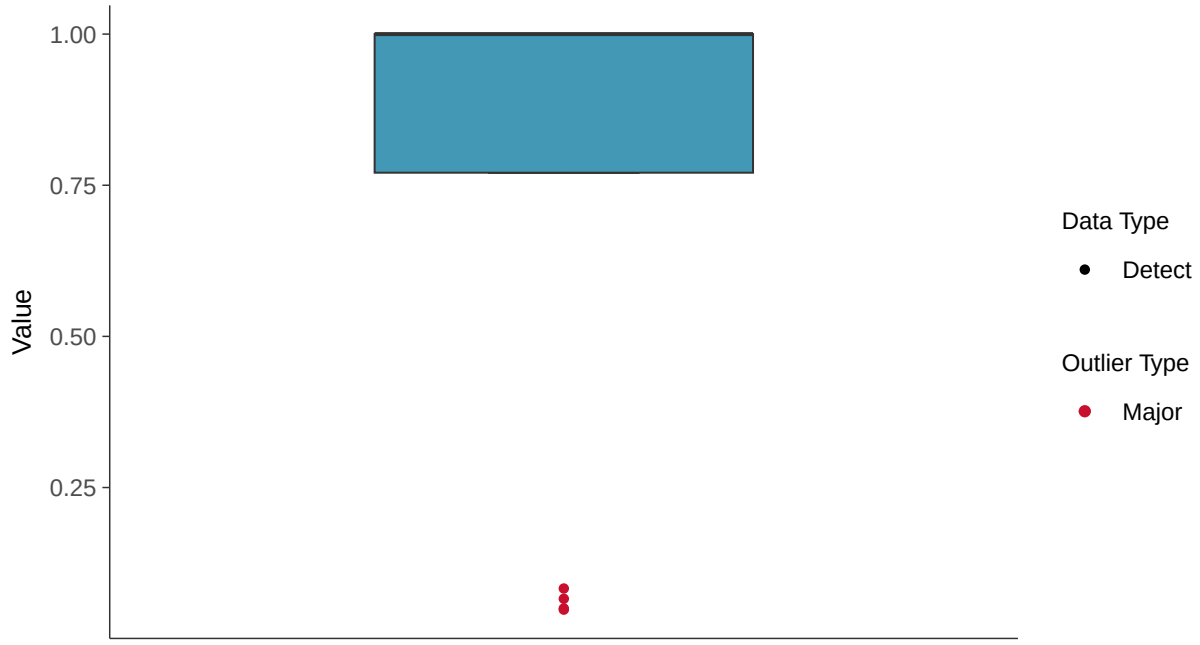
Histogram

Fluoride (App IV), MW-10 (mg/l)



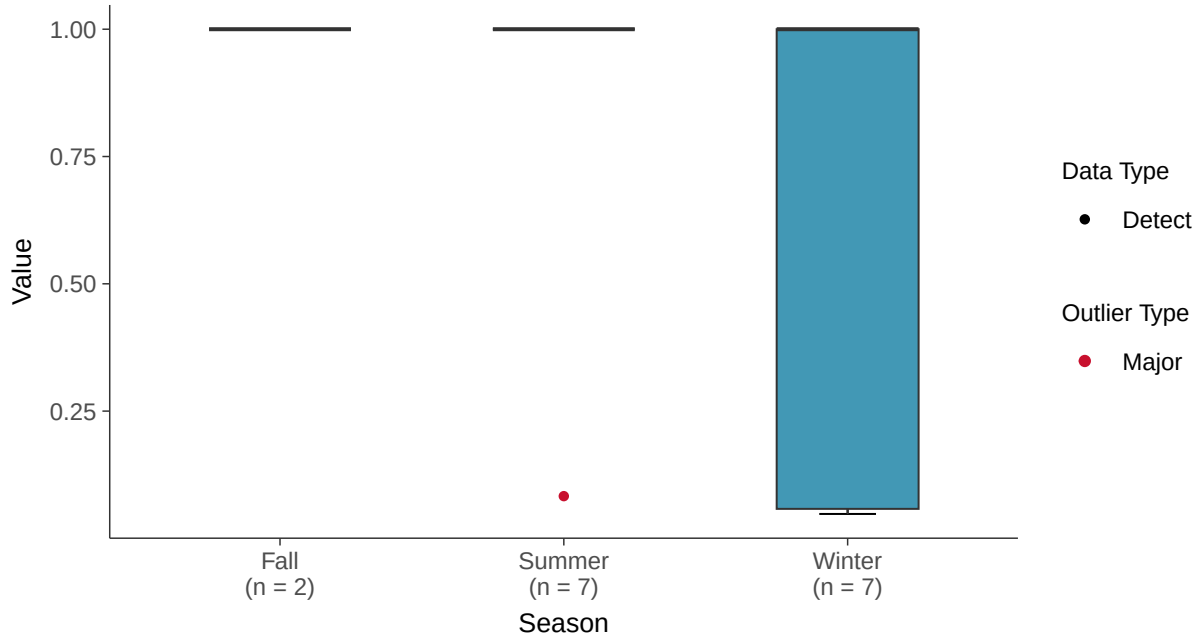
Boxplot

Fluoride (App IV), MW-10 (mg/l)



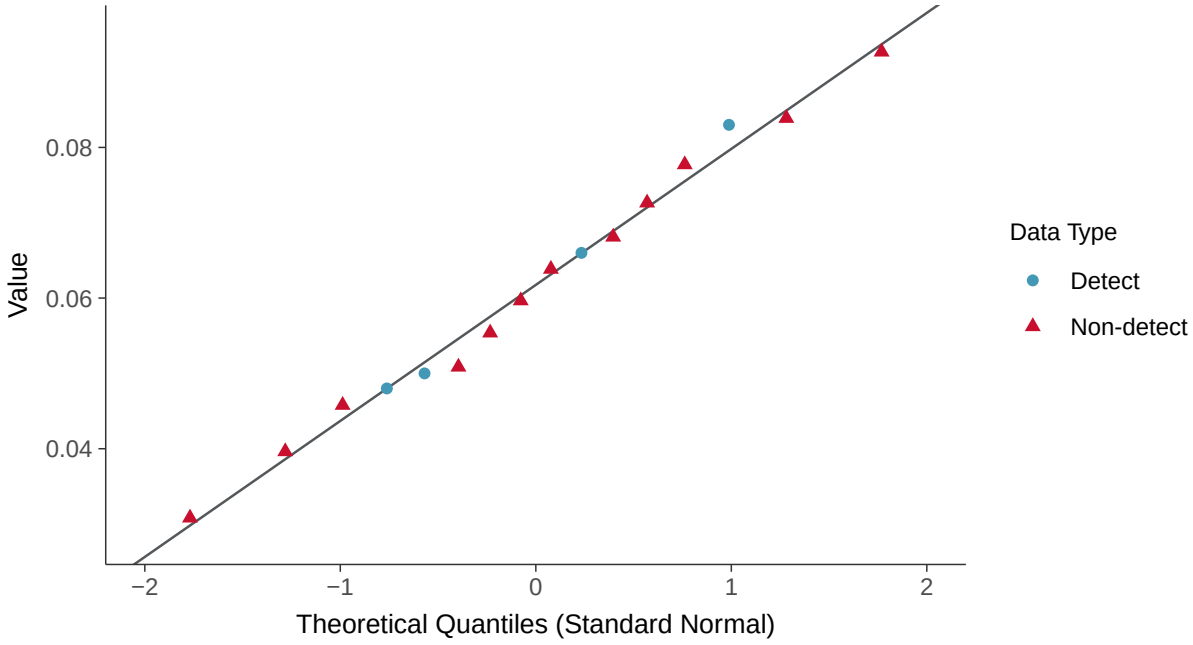
Boxplot by Season

Fluoride (App IV), MW-10 (mg/l)



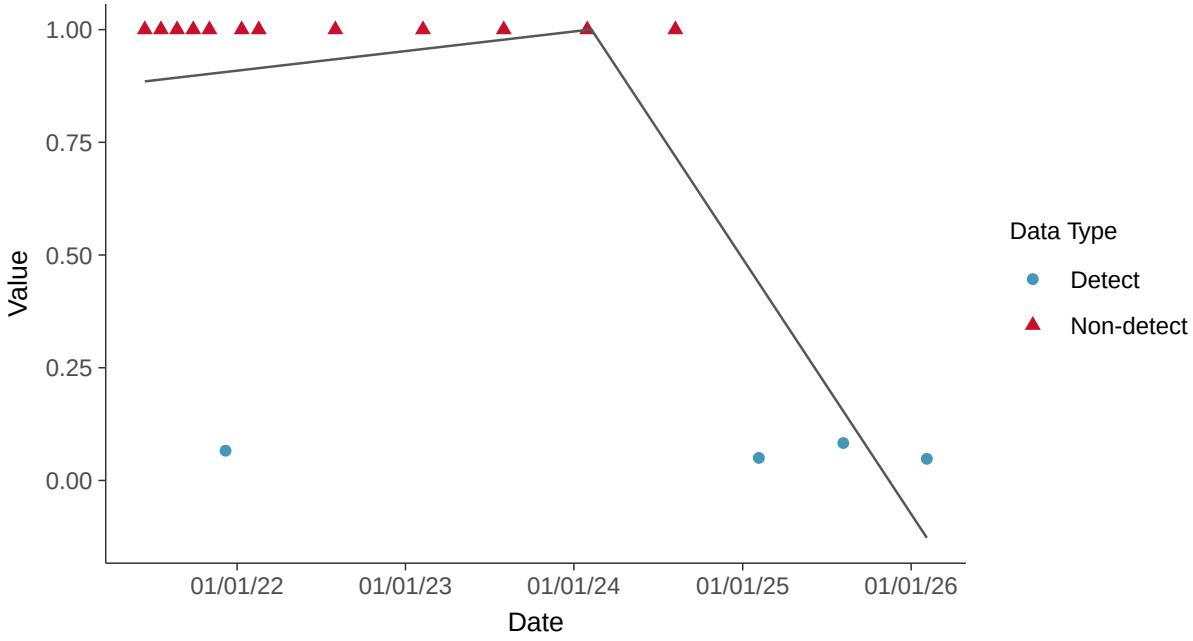
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-10 (mg/l)



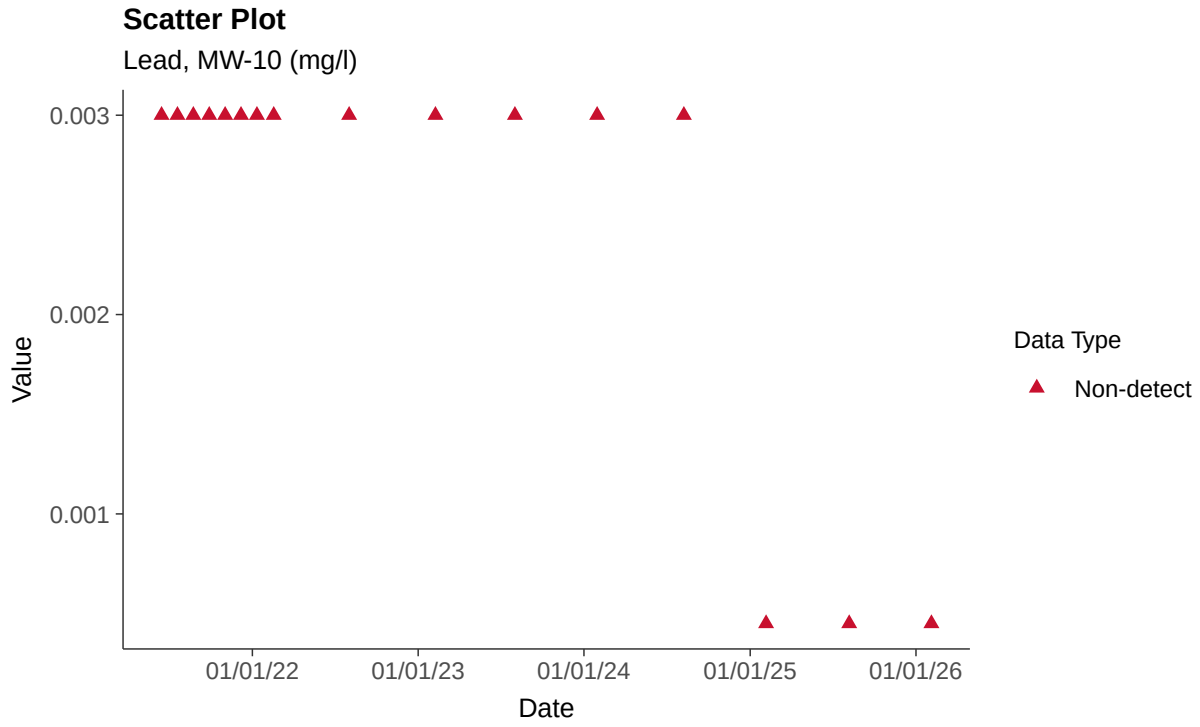
Trend Regression: Piecewise Linear-Linear

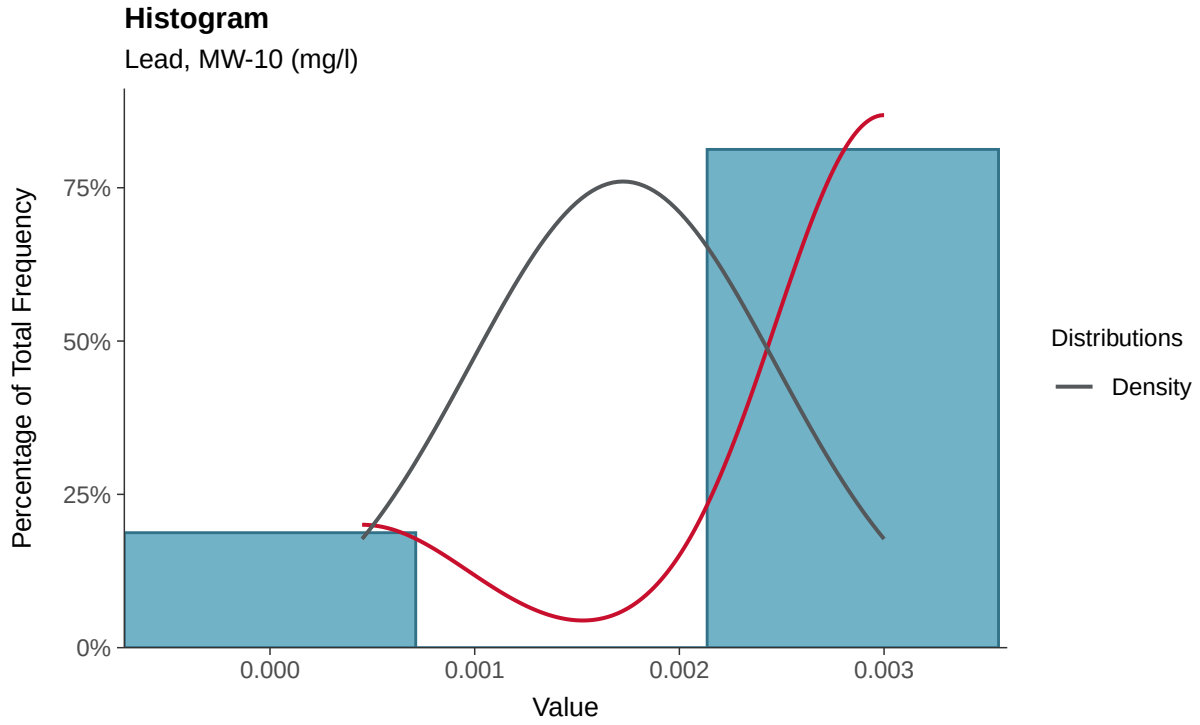
Fluoride (App IV), MW-10 (mg/l)



Appendix IV: Lead, MW-10

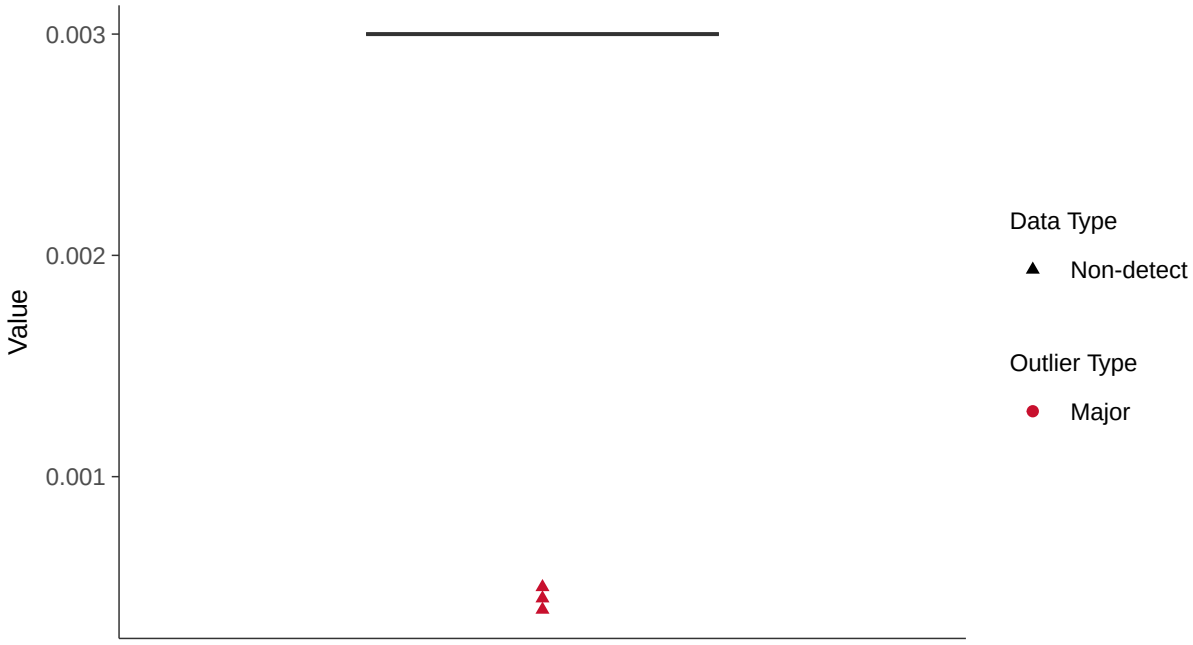
ID: 19_3_115





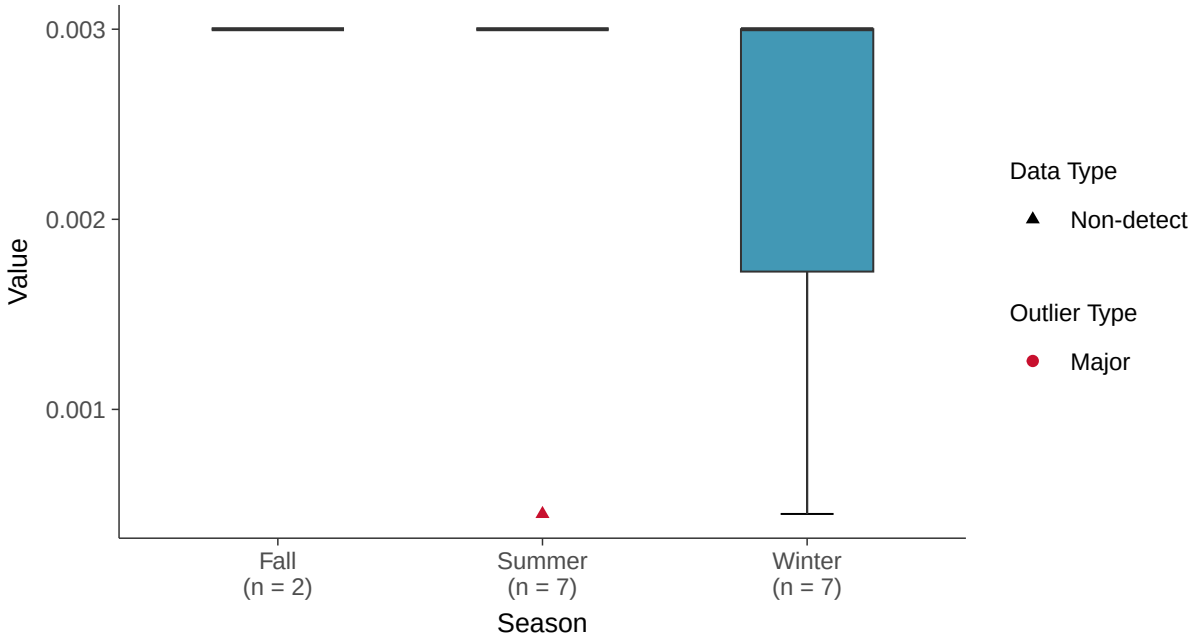
Boxplot

Lead, MW-10 (mg/l)



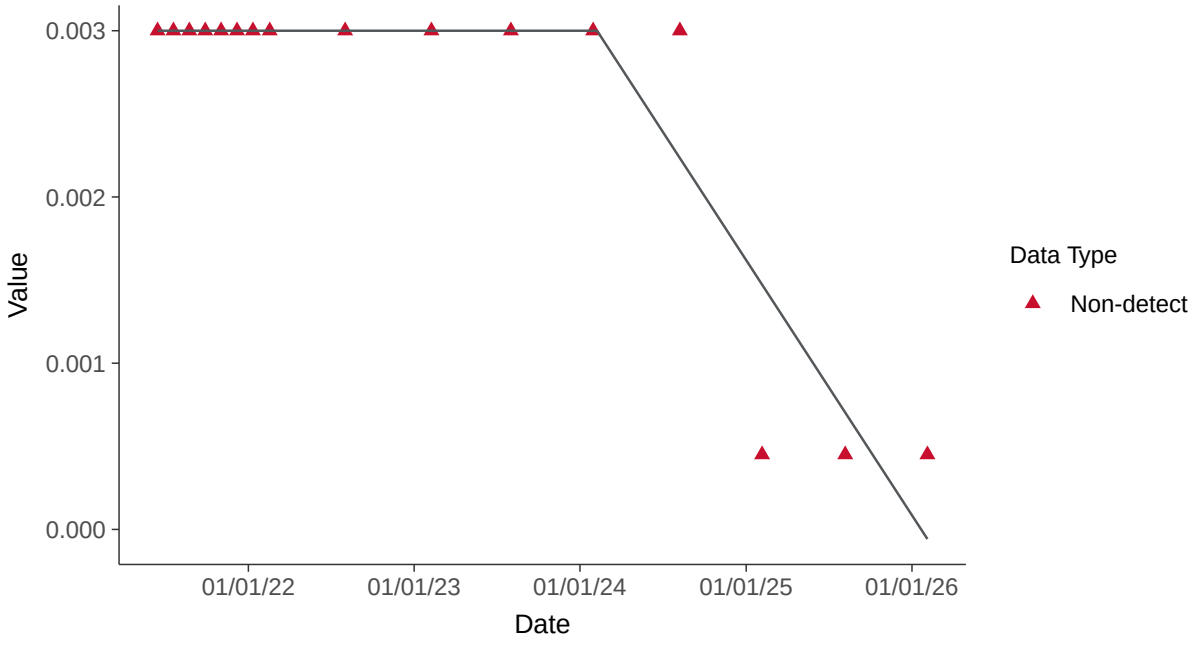
Boxplot by Season

Lead, MW-10 (mg/l)



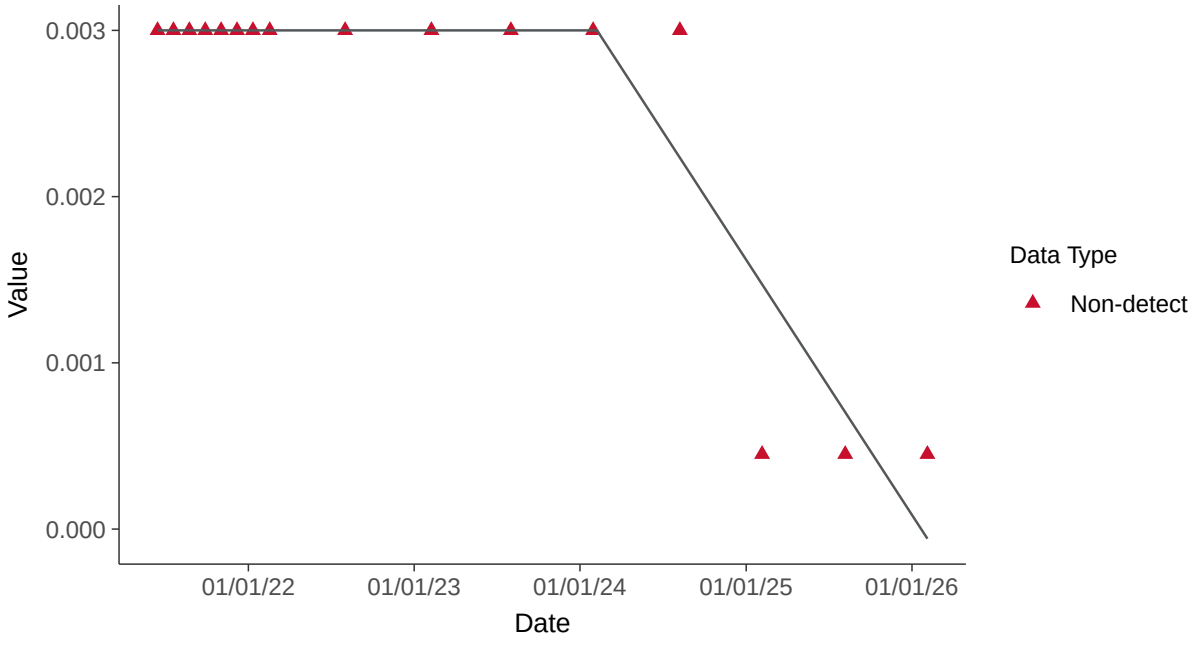
Trend Regression: Piecewise Linear-Linear

Lead, MW-10 (mg/l)



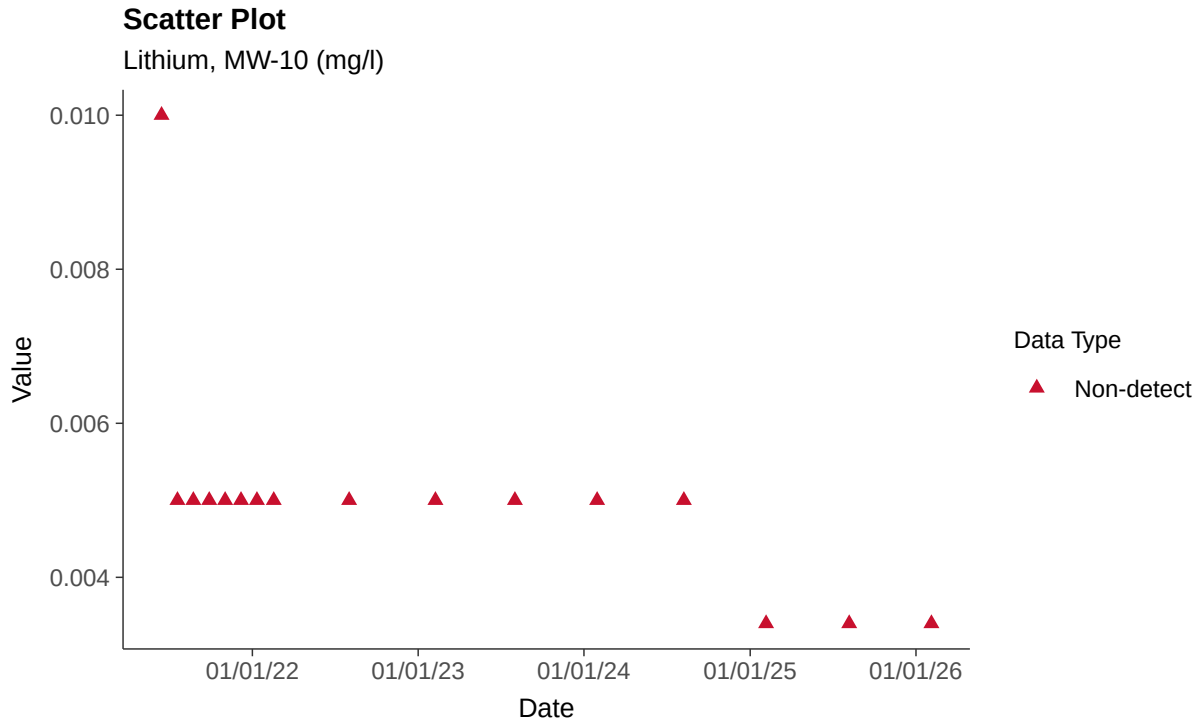
Trend Regression: Piecewise Linear-Linear-Linear

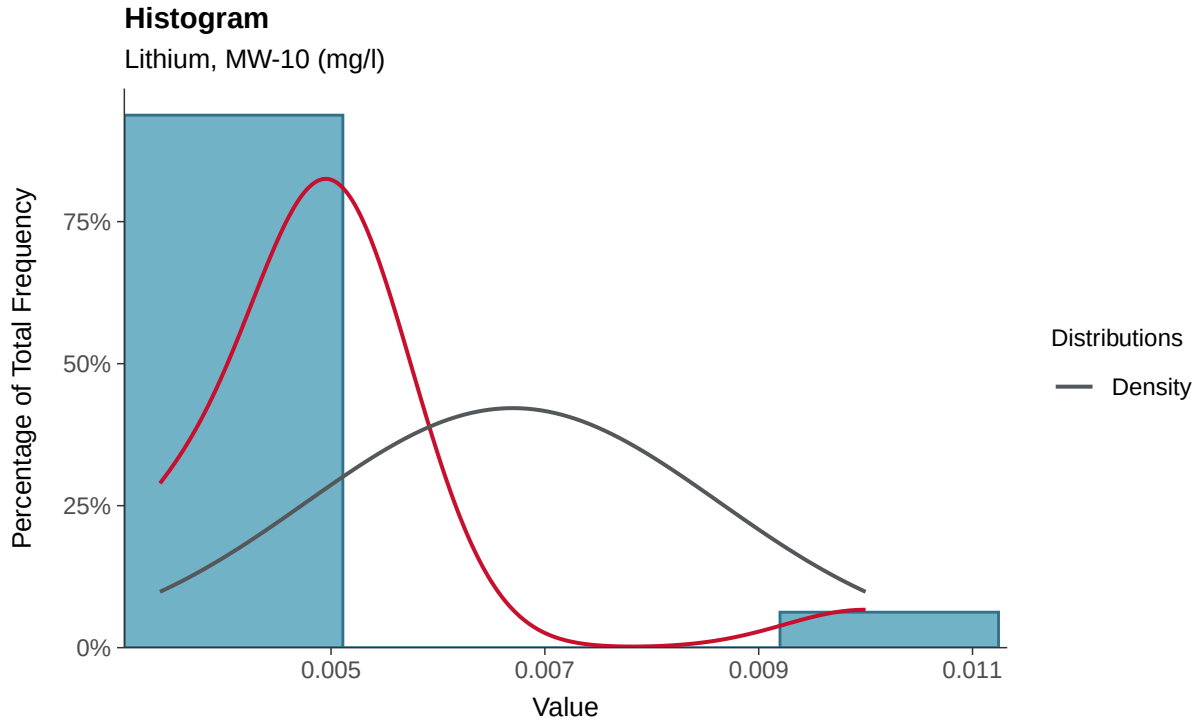
Lead, MW-10 (mg/l)



Appendix IV: Lithium, MW-10

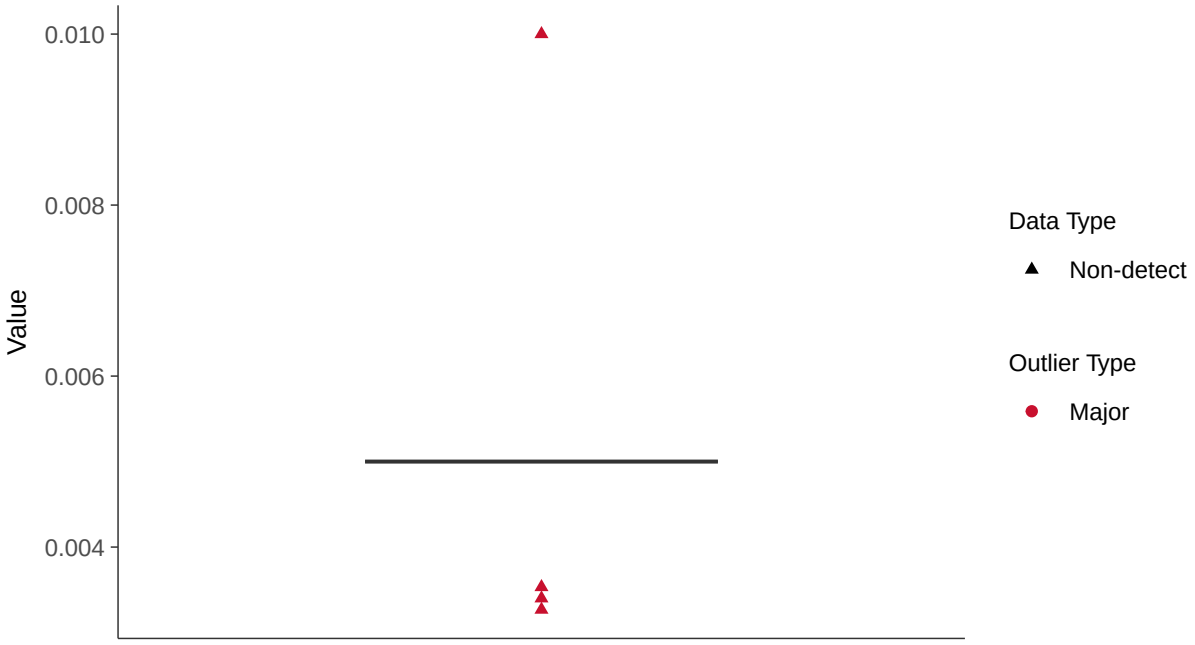
ID: 19_3_116





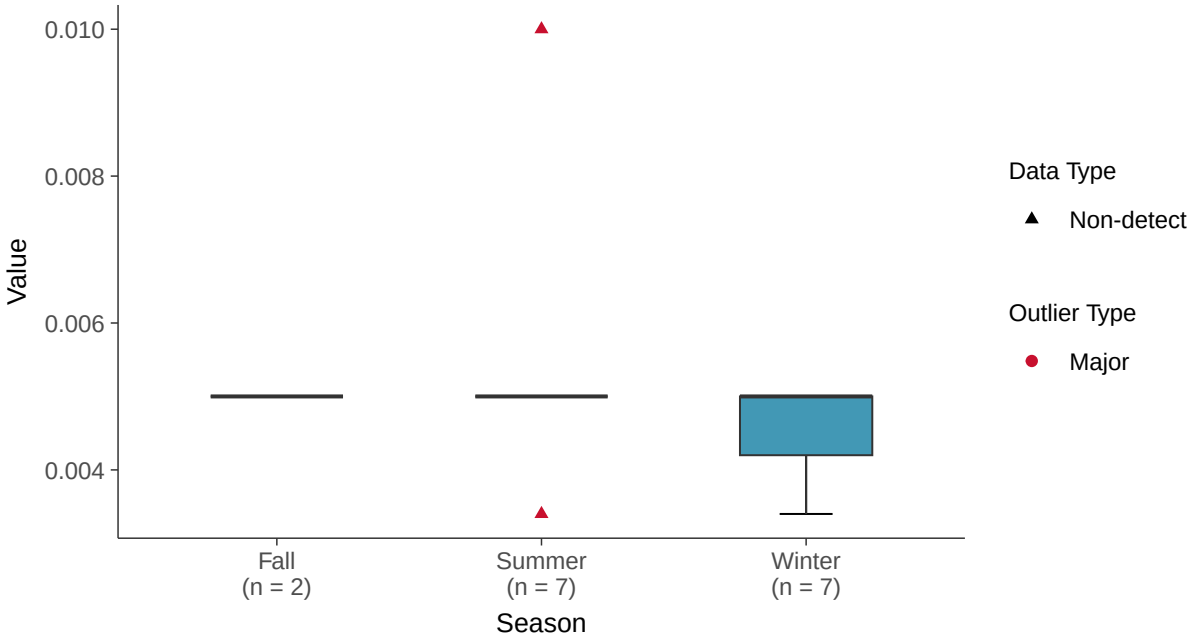
Boxplot

Lithium, MW-10 (mg/l)



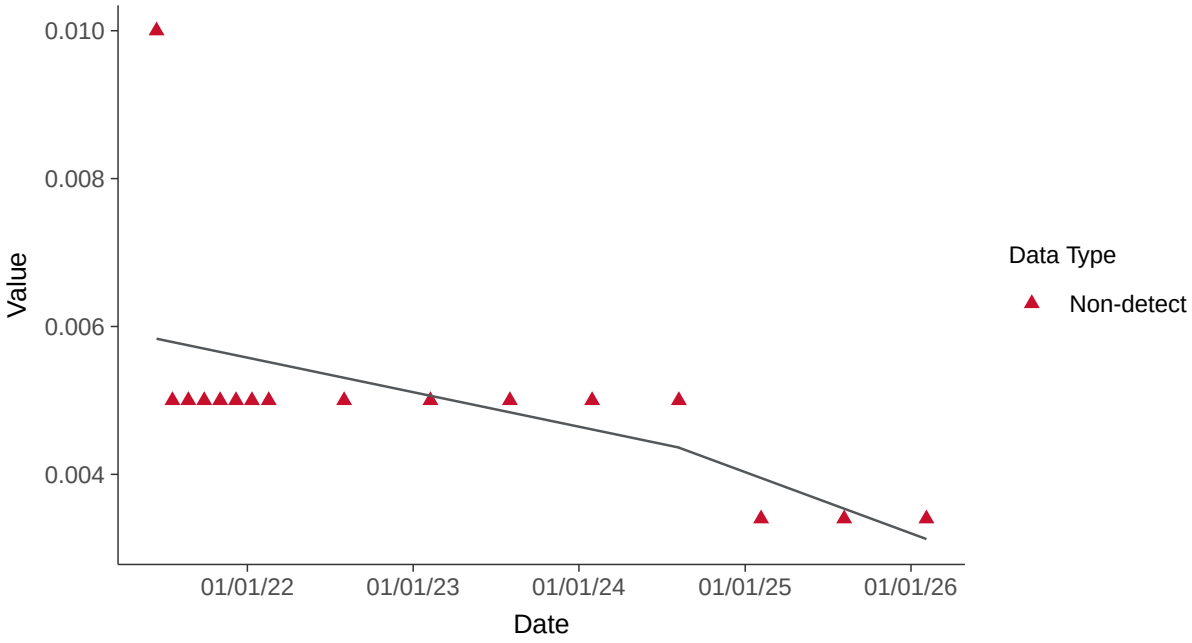
Boxplot by Season

Lithium, MW-10 (mg/l)



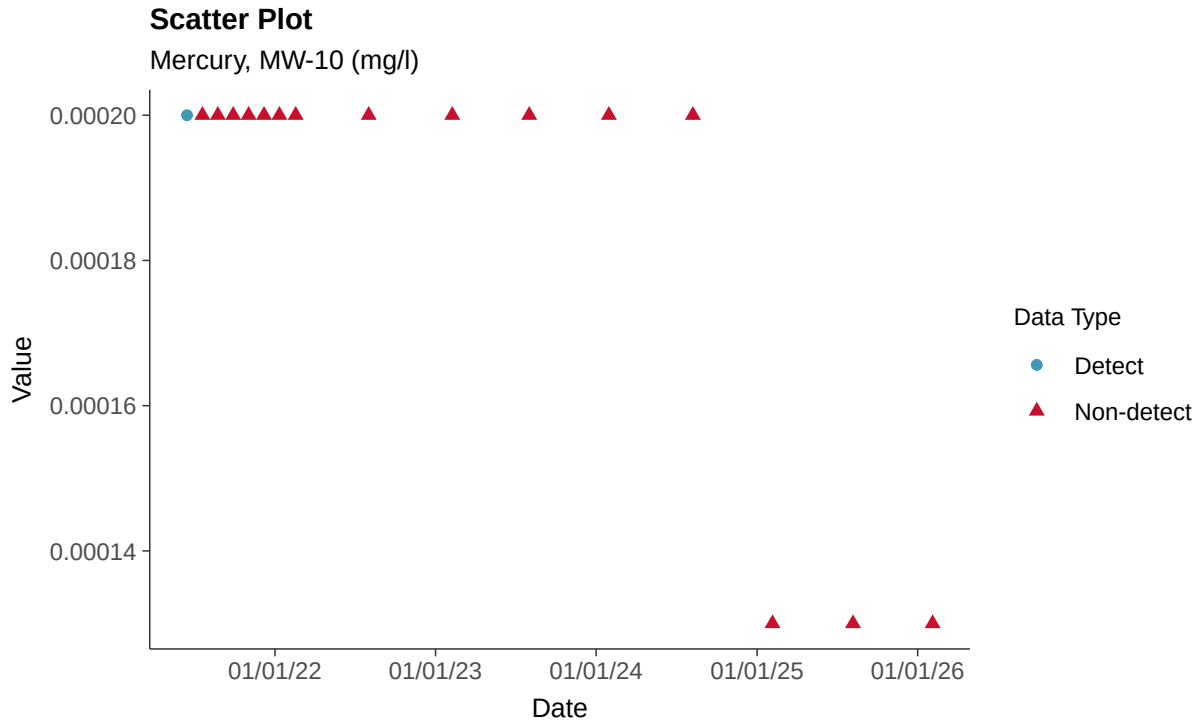
Trend Regression: Piecewise Linear-Linear

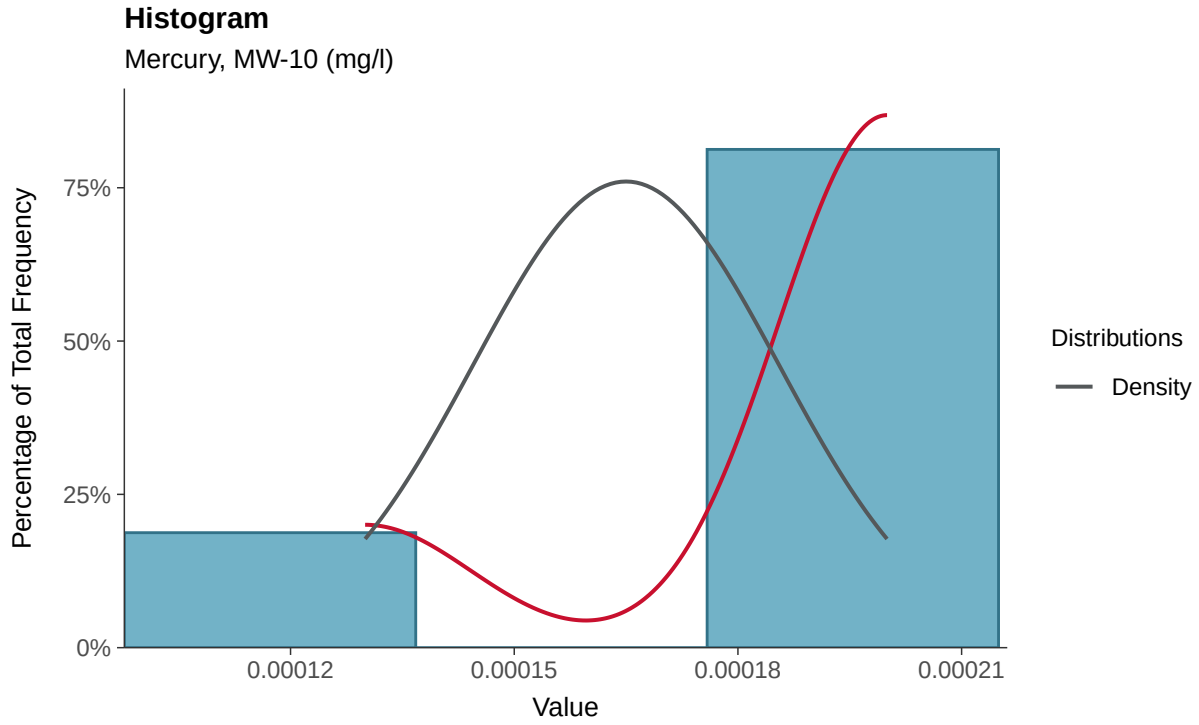
Lithium, MW-10 (mg/l)



Appendix IV: Mercury, MW-10

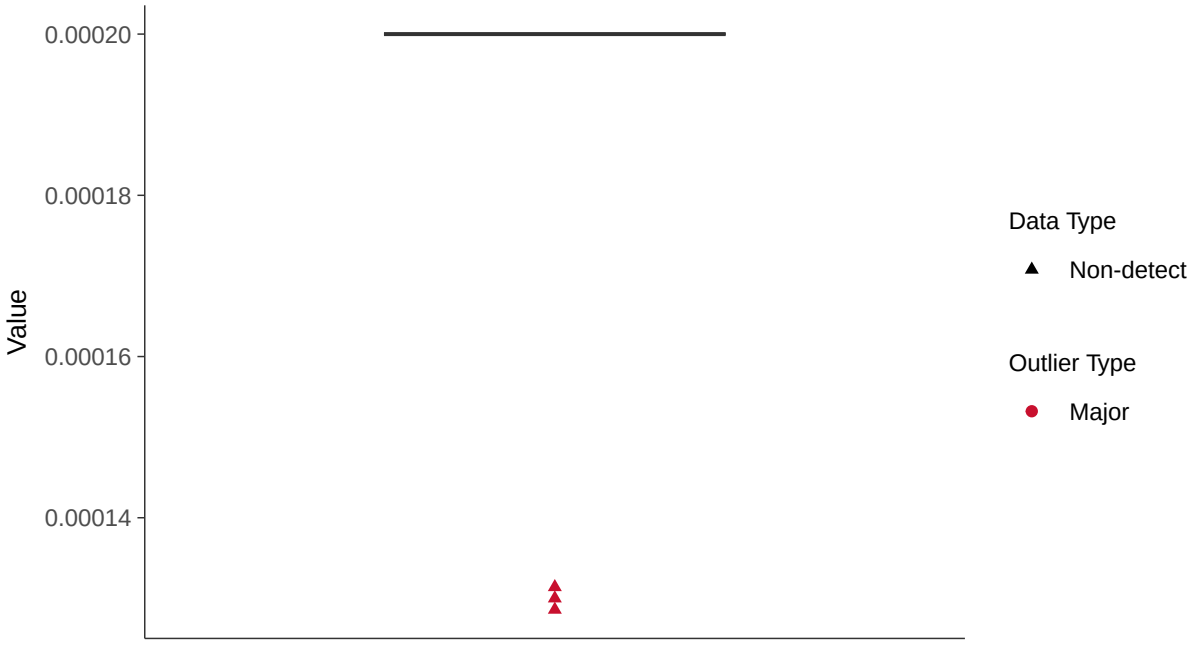
ID: 19_3_117





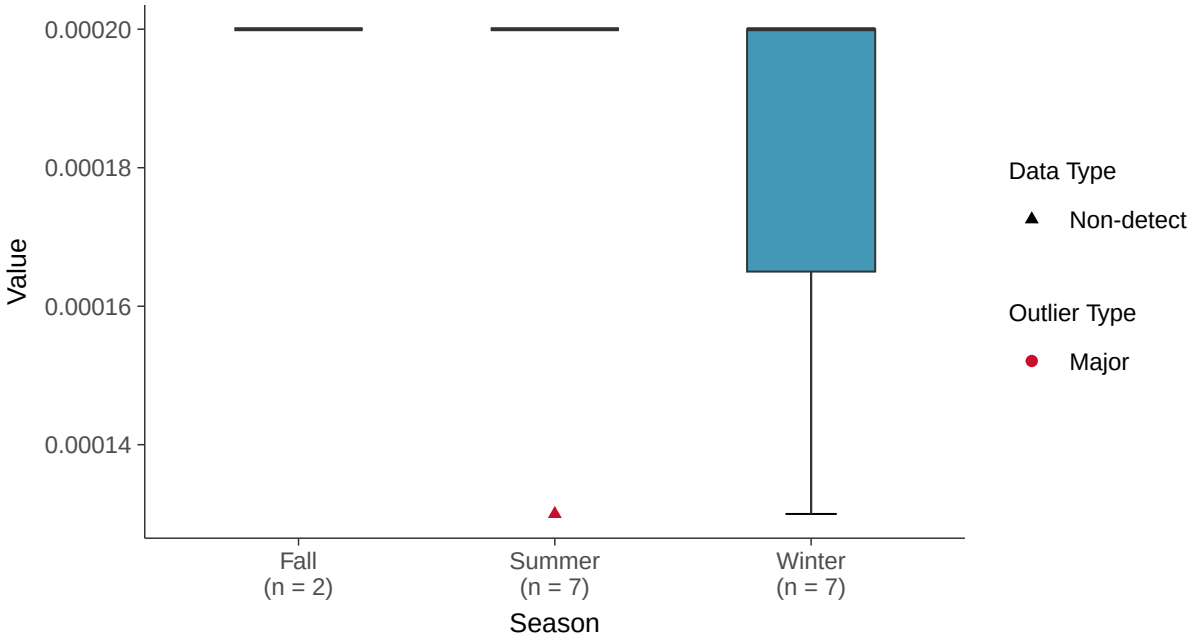
Boxplot

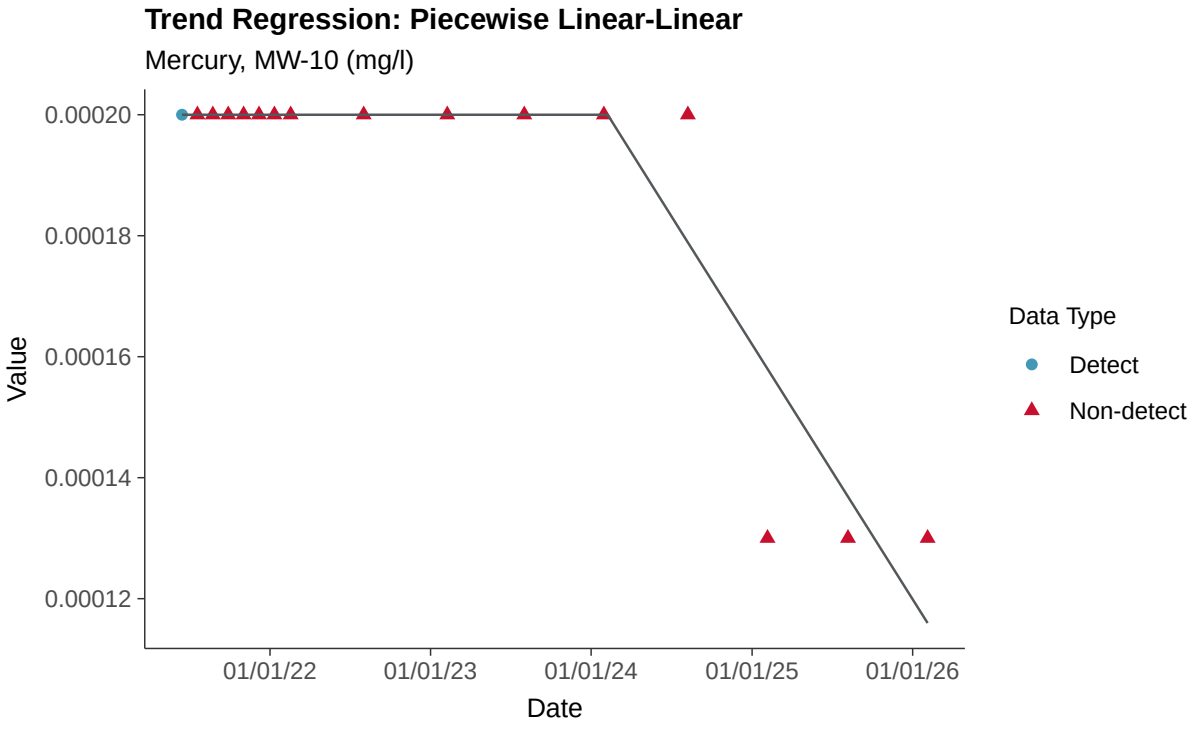
Mercury, MW-10 (mg/l)

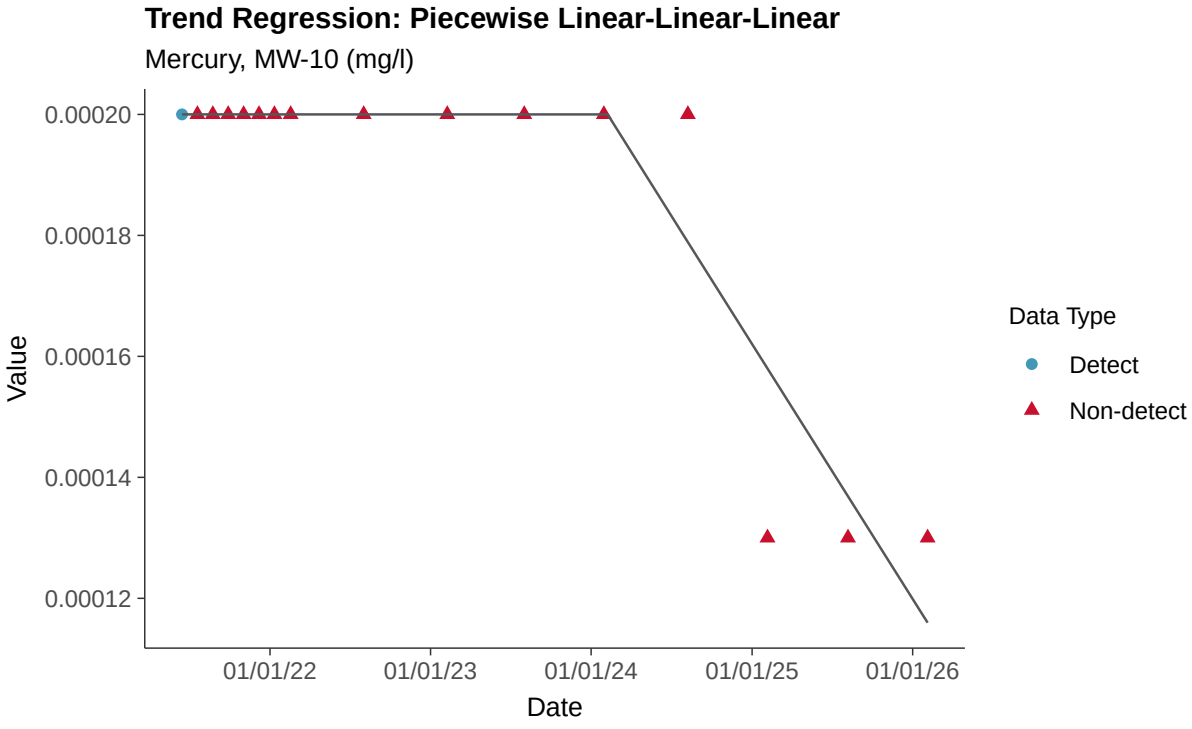


Boxplot by Season

Mercury, MW-10 (mg/l)

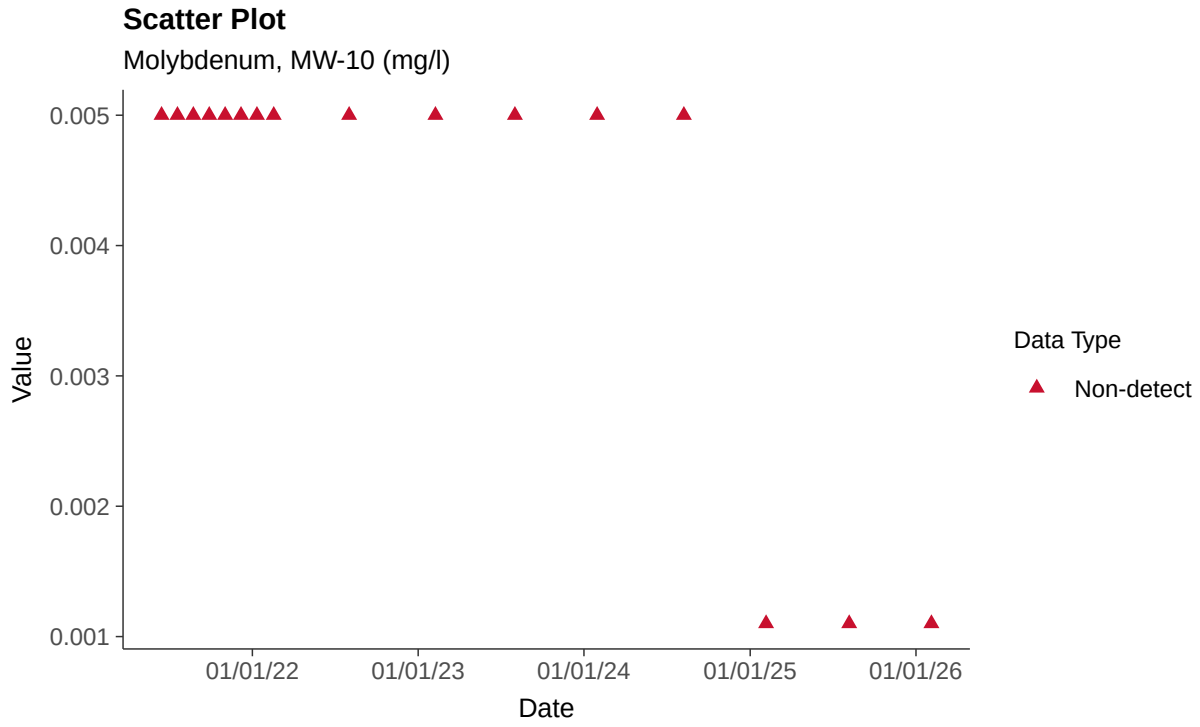


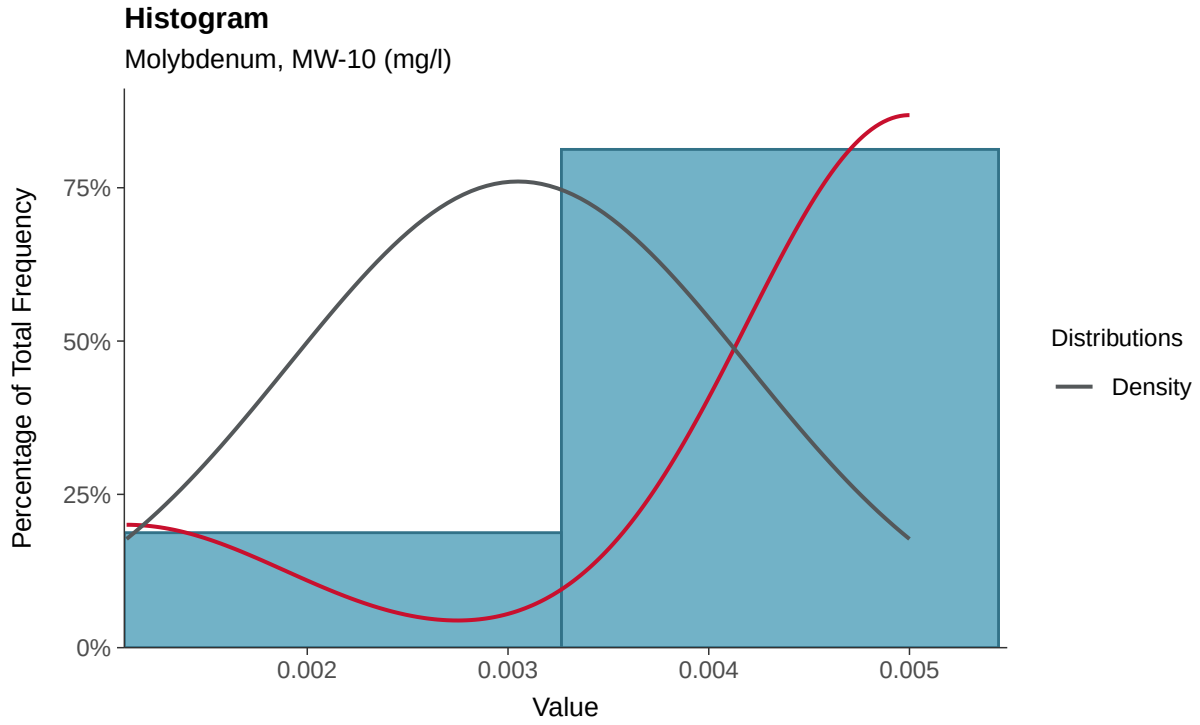

Trend Regression: Piecewise Linear-Linear
Mercury, MW-10 (mg/l)
0.00020
0.00018
0.00016
0.00014
0.00012
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect


Trend Regression: Piecewise Linear-Linear-Linear
Mercury, MW-10 (mg/l)
0.00020
0.00018
0.00016
0.00014
0.00012
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Molybdenum, MW-10

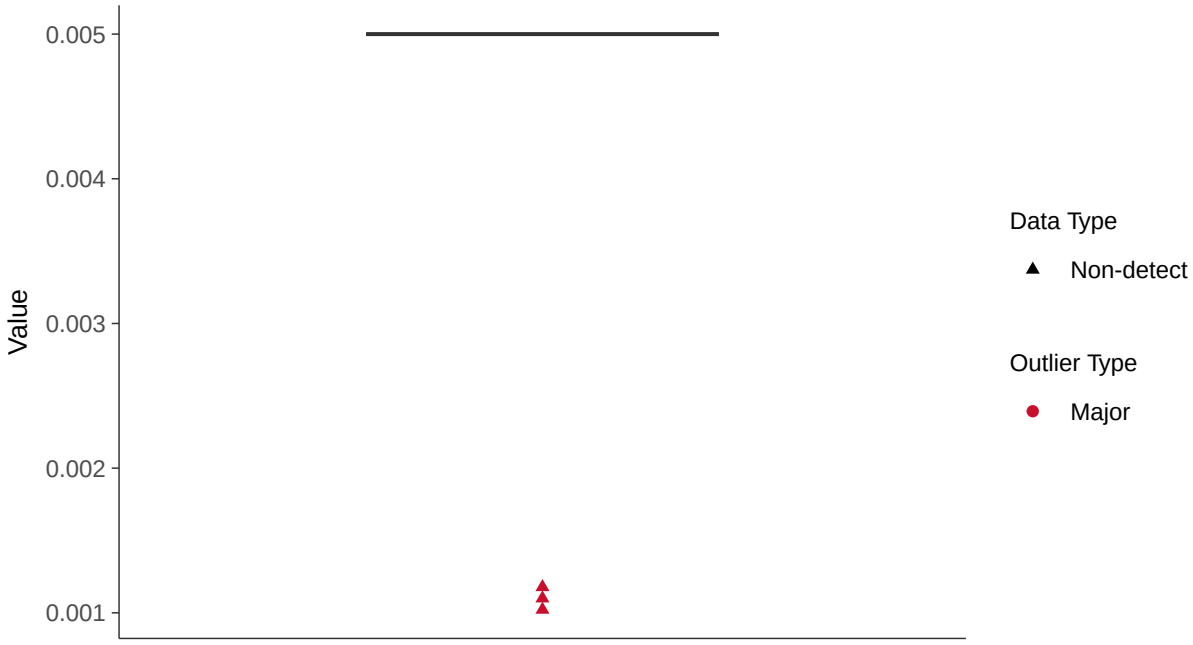
ID: 19_3_118





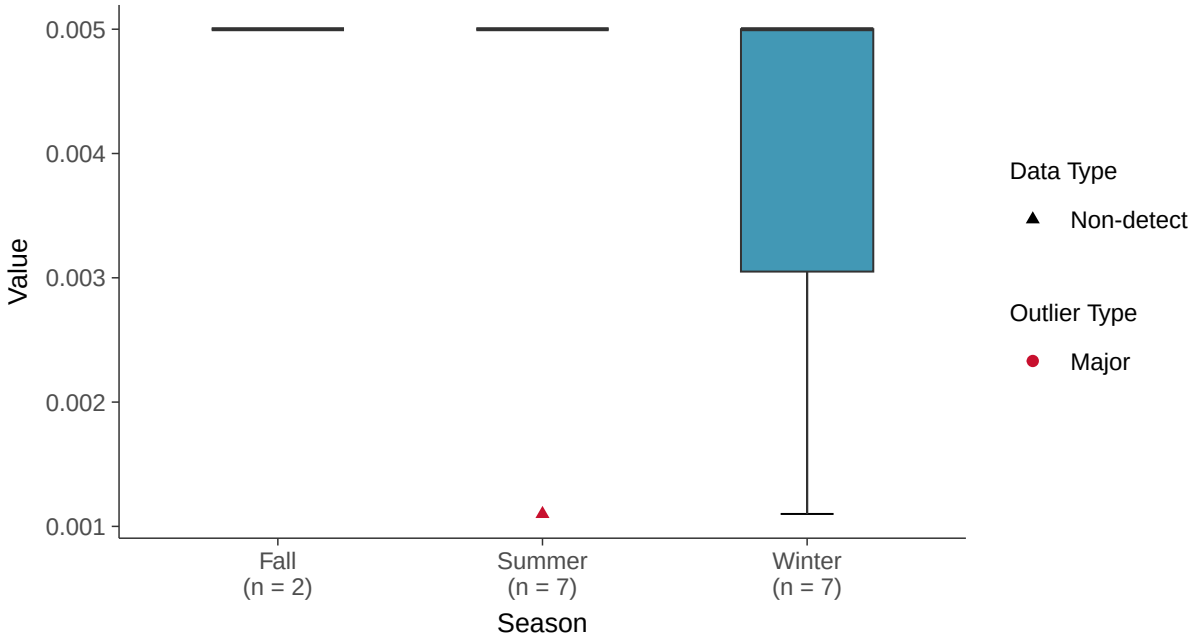
Boxplot

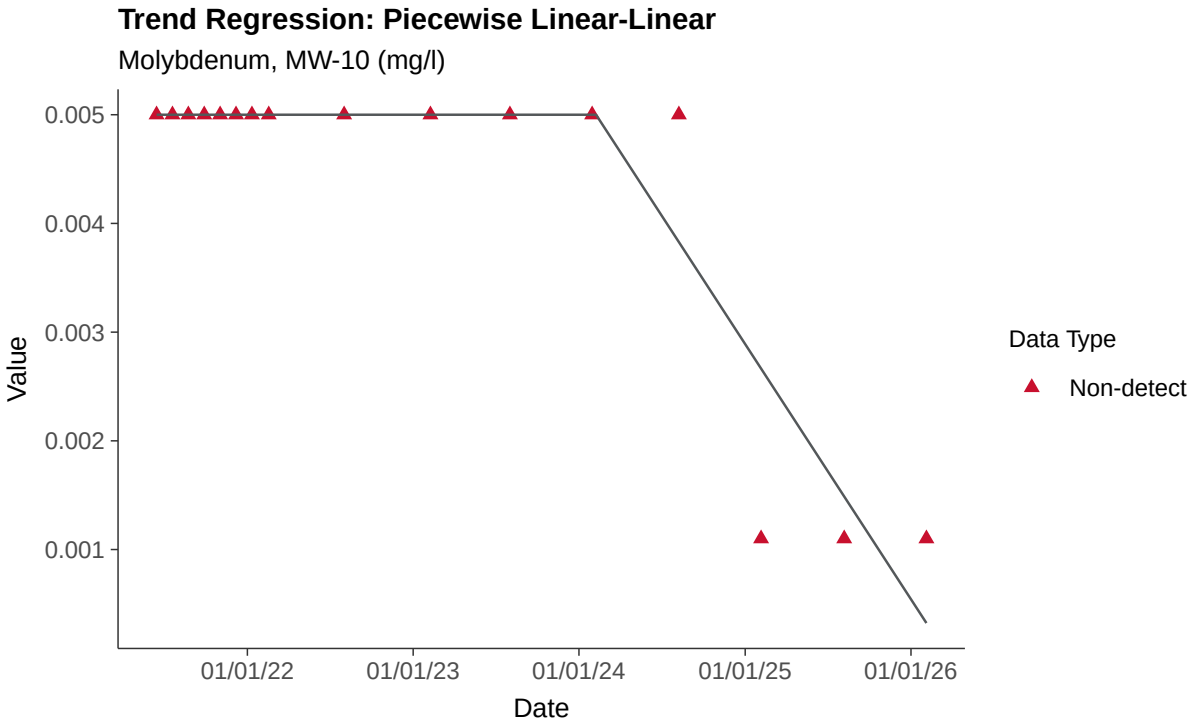
Molybdenum, MW-10 (mg/l)



Boxplot by Season

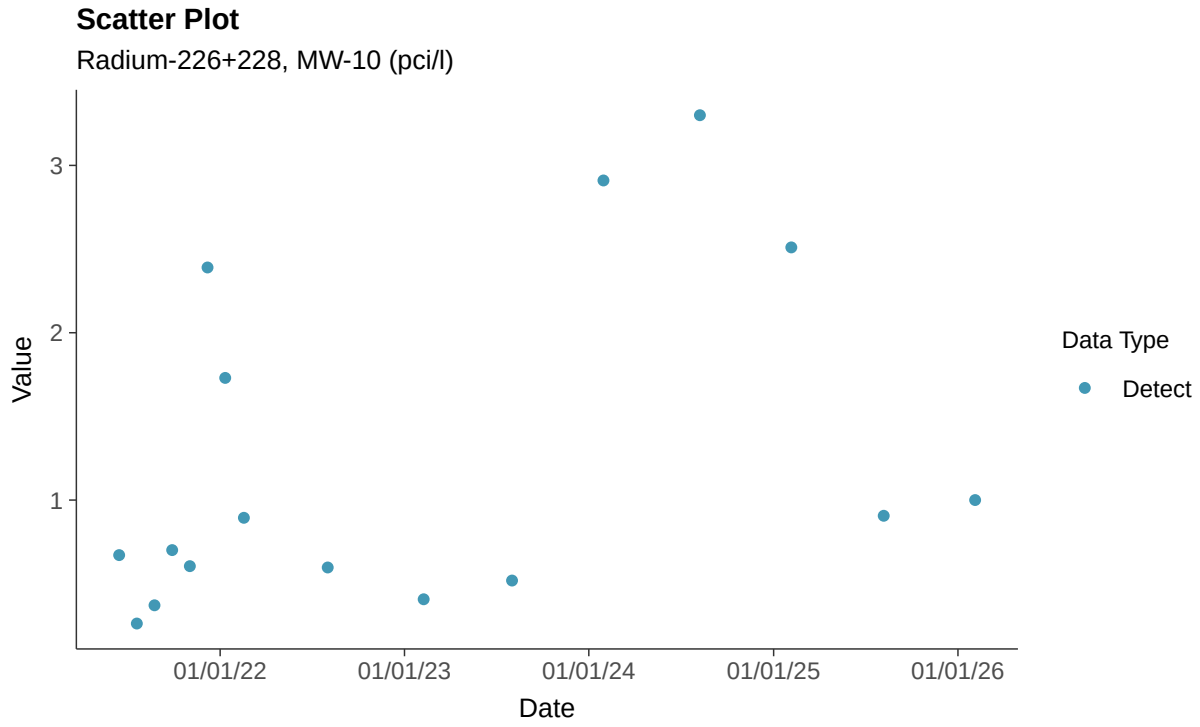
Molybdenum, MW-10 (mg/l)

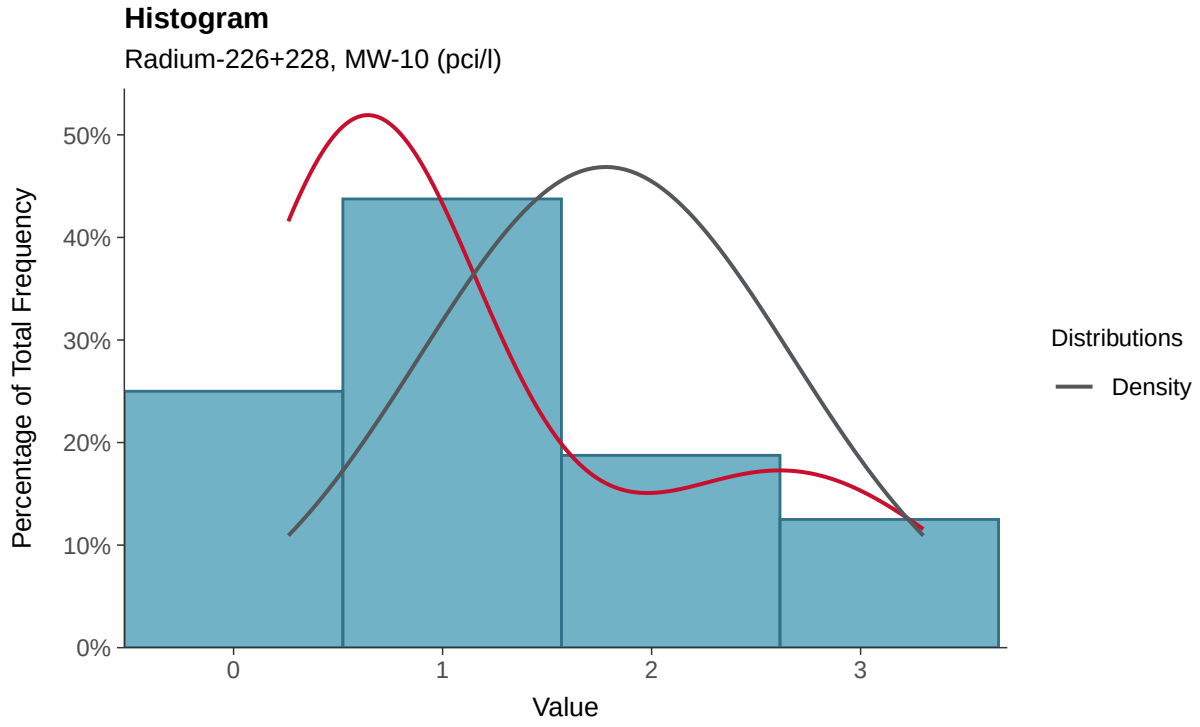



Trend Regression: Piecewise Linear-Linear
Molybdenum, MW-10 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Radium-226+228, MW-10

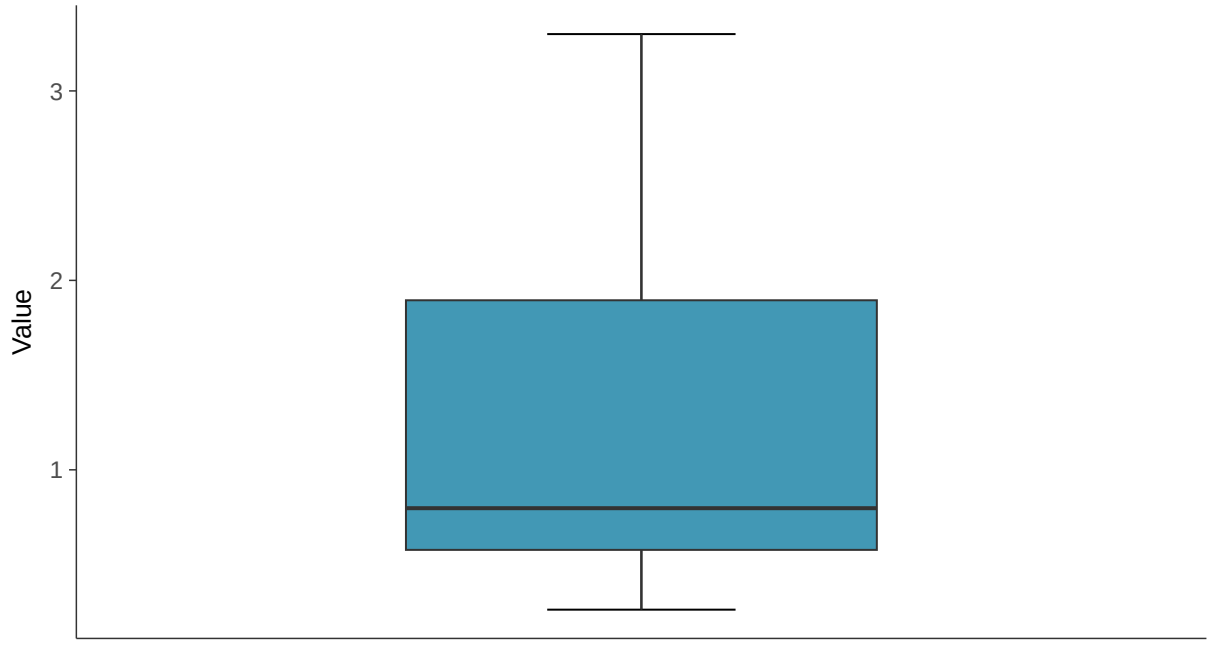
ID: 19_3_121





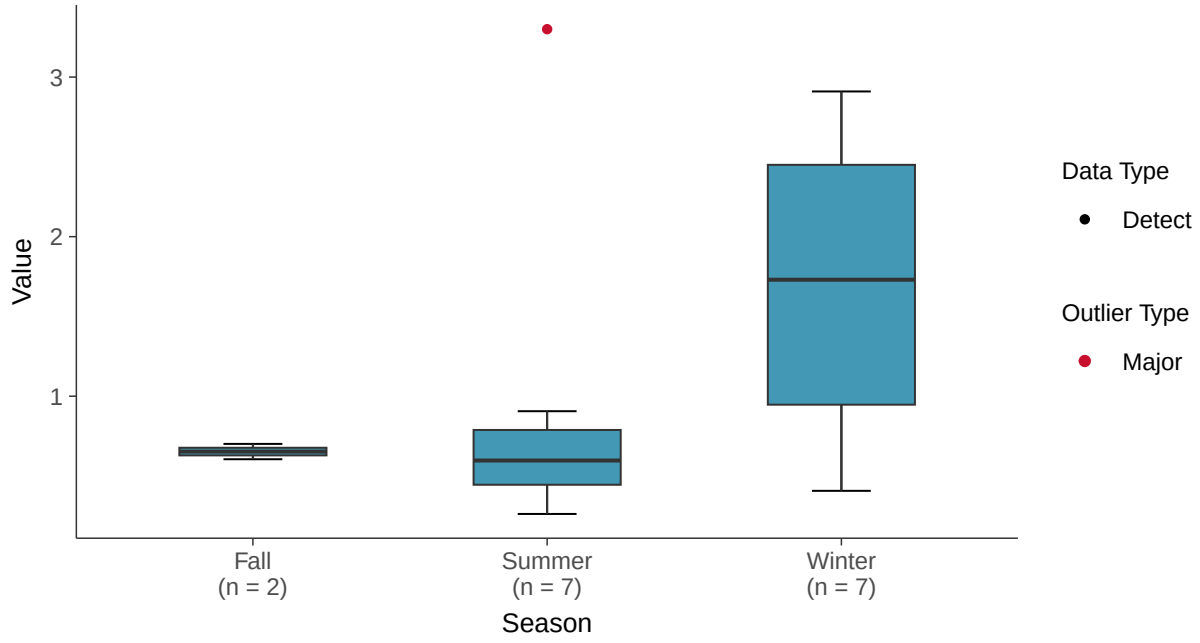
Boxplot

Radium-226+228, MW-10 (pci/l)



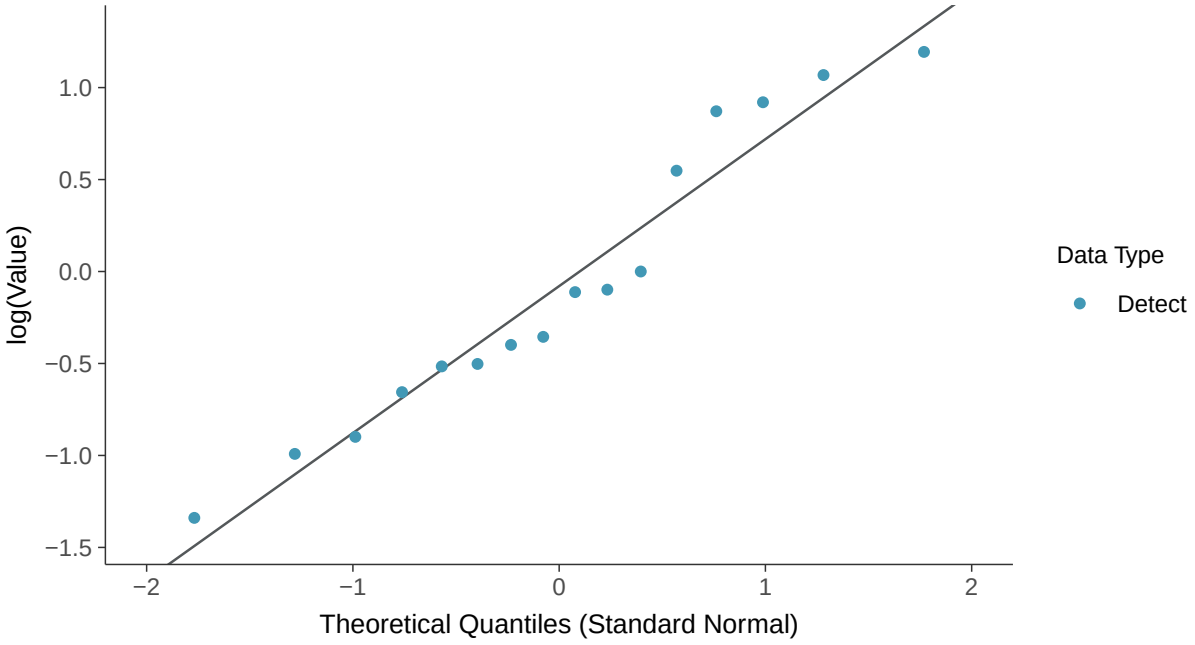
Boxplot by Season

Radium-226+228, MW-10 (pci/l)



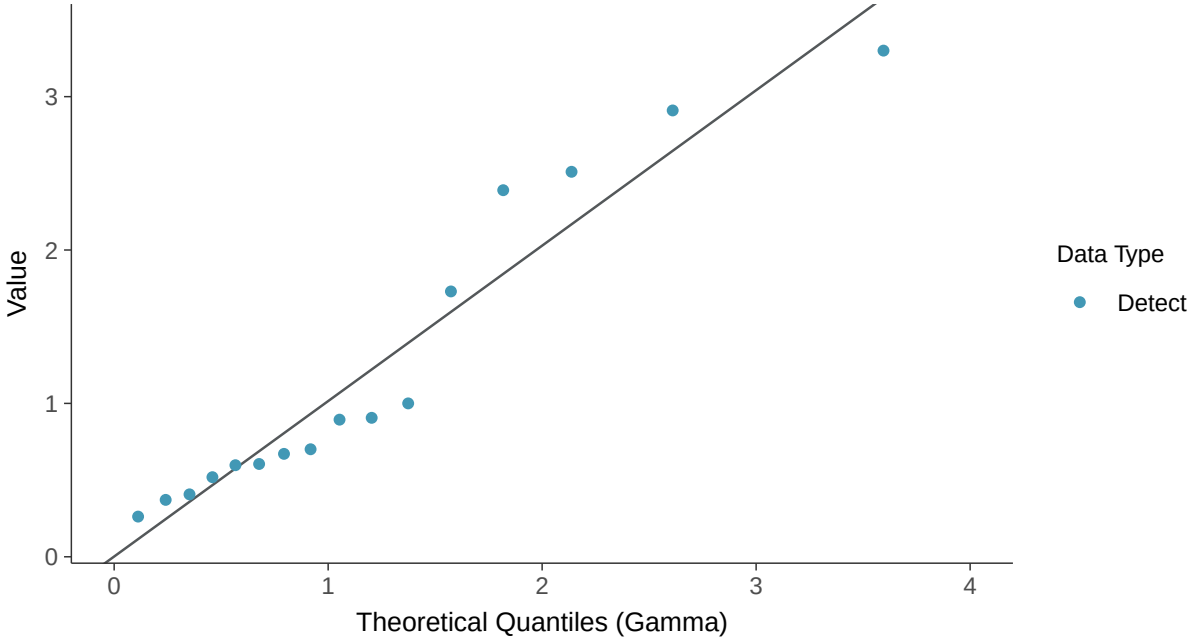
Lognormal Q-Q plot

Radium-226+228, MW-10 (pci/l)



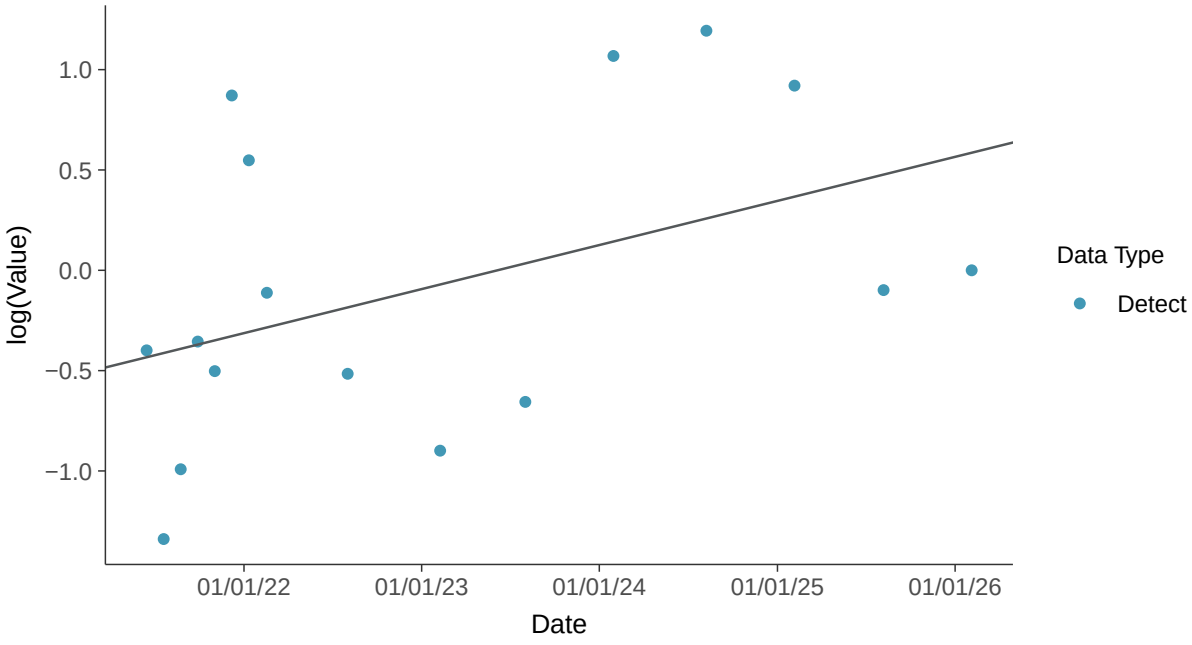
Gamma Q-Q plot

Radium-226+228, MW-10 (pci/l)



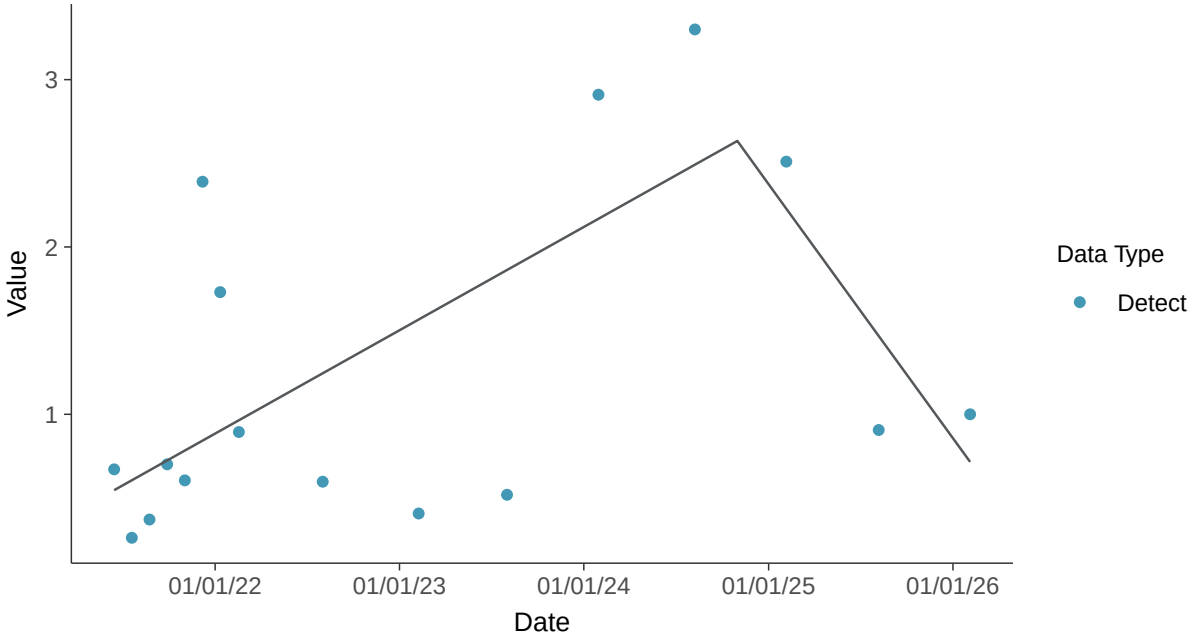
Trend Regression: Lognormal MLE

Radium-226+228, MW-10 (pci/l)



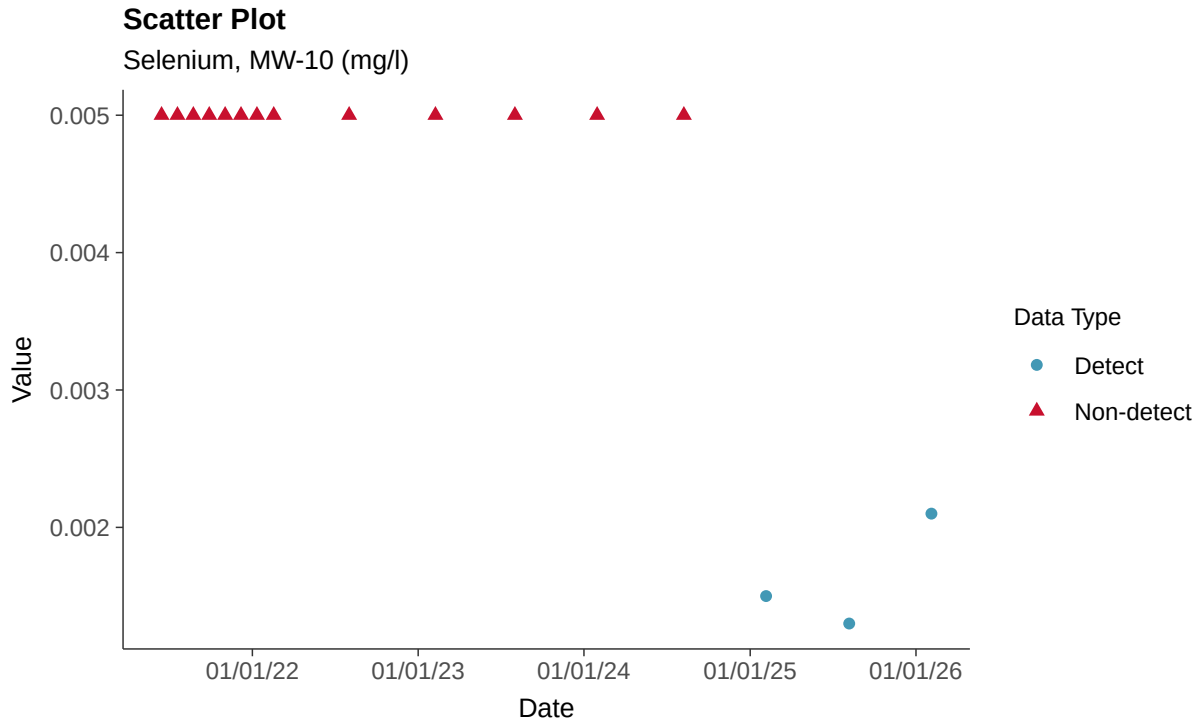
Trend Regression: Piecewise Linear-Linear

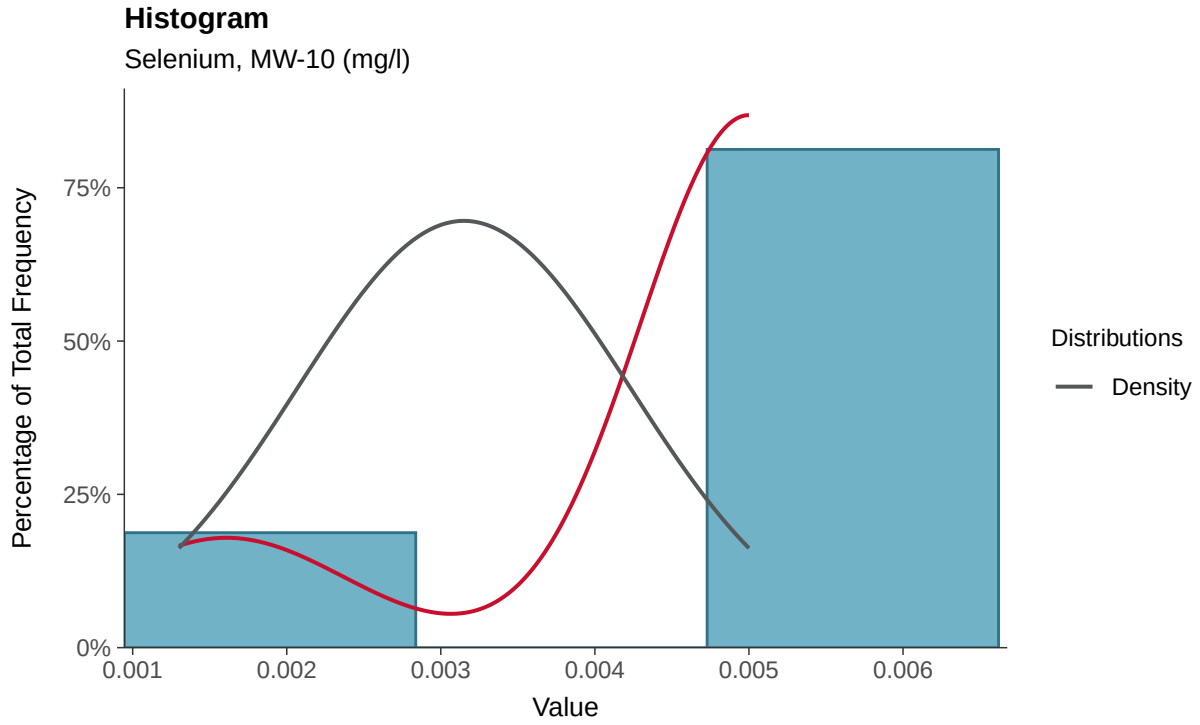
Radium-226+228, MW-10 (pci/l)



Appendix IV: Selenium, MW-10

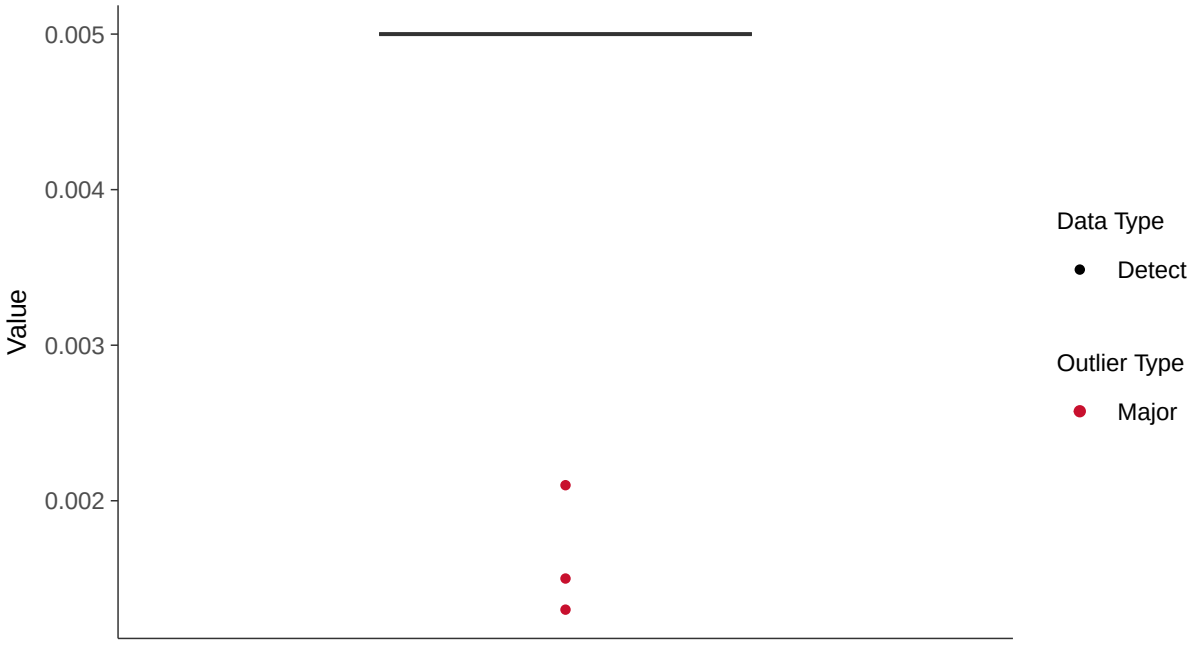
ID: 19_3_122





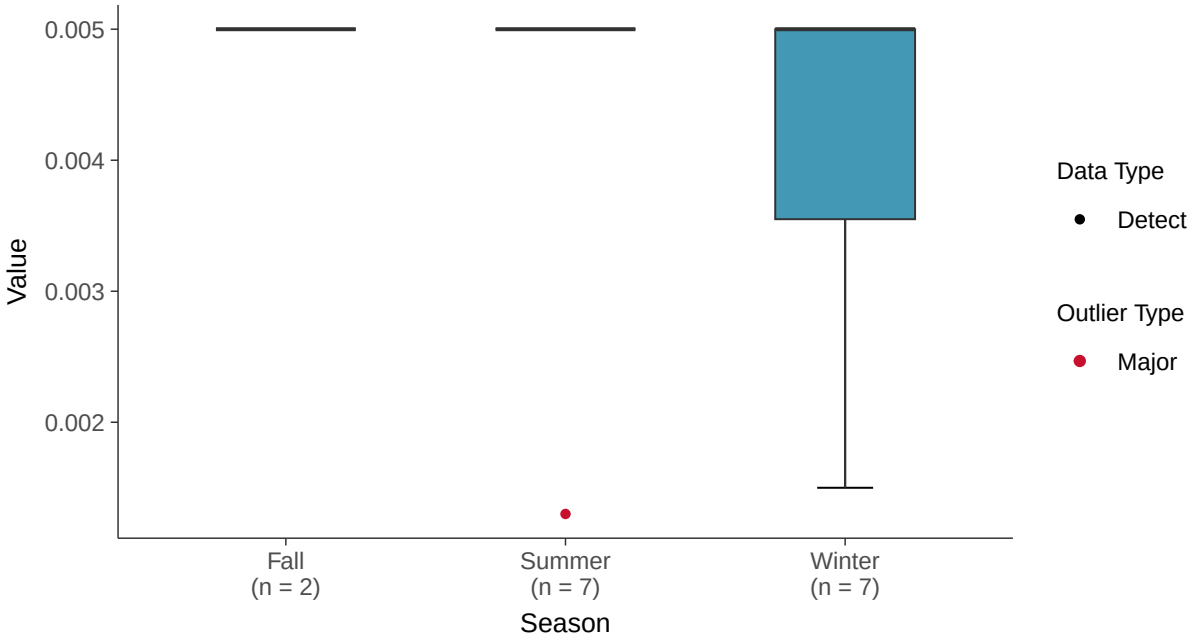
Boxplot

Selenium, MW-10 (mg/l)



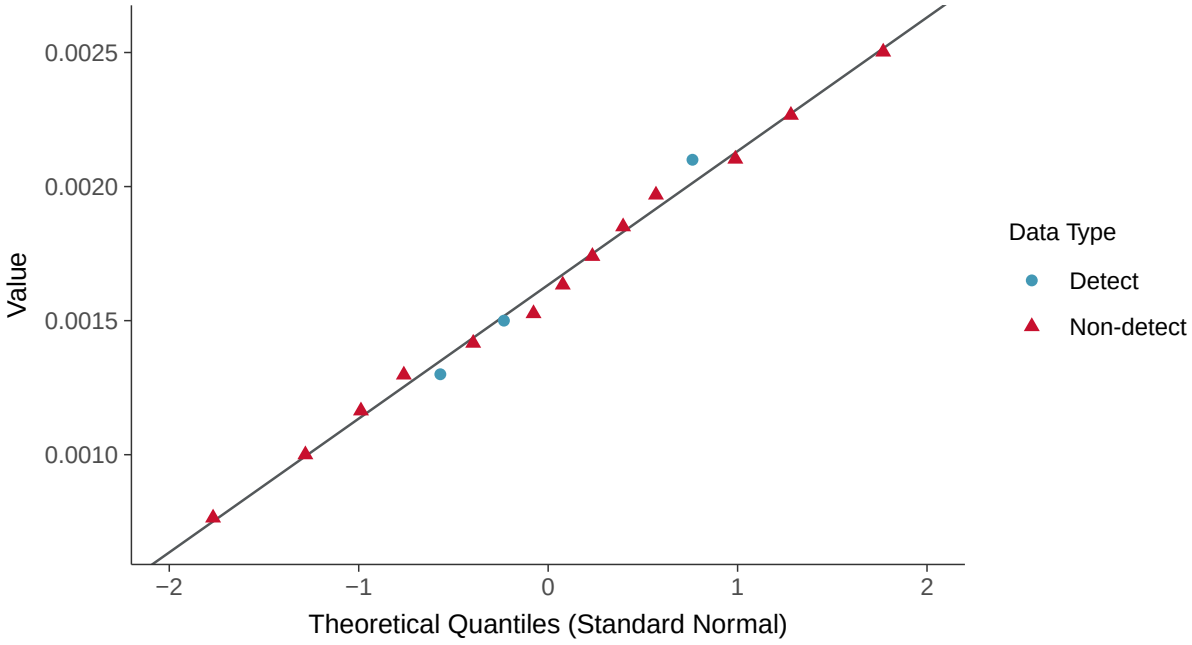
Boxplot by Season

Selenium, MW-10 (mg/l)



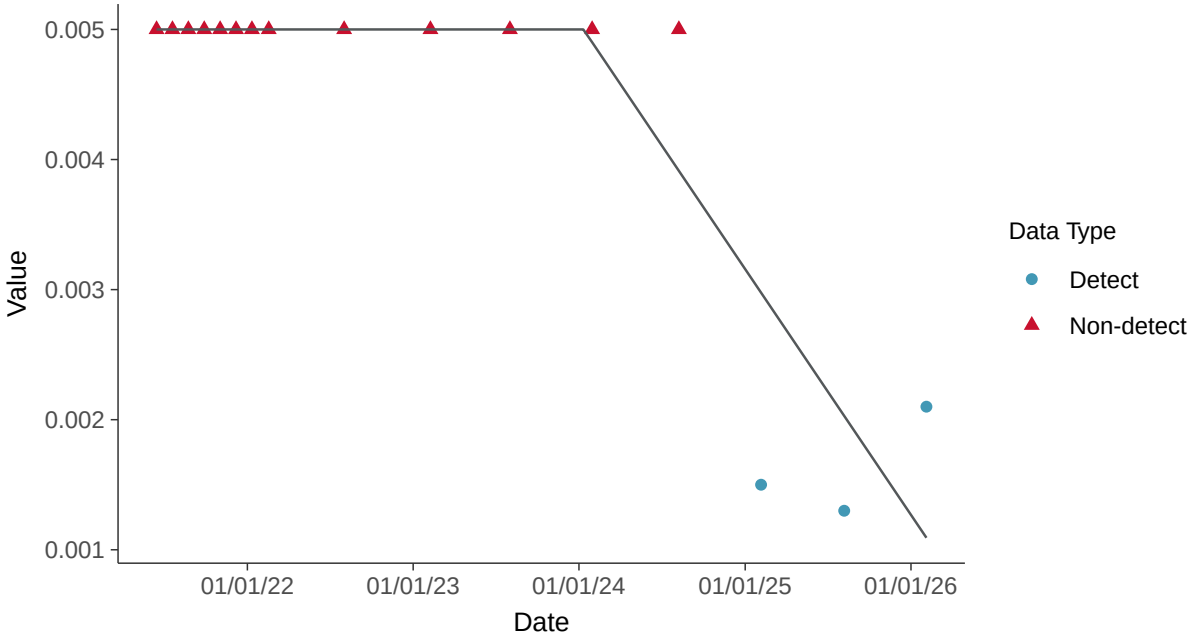
Normal Q-Q plot using ROS Imputed Estimates

Selenium, MW-10 (mg/l)



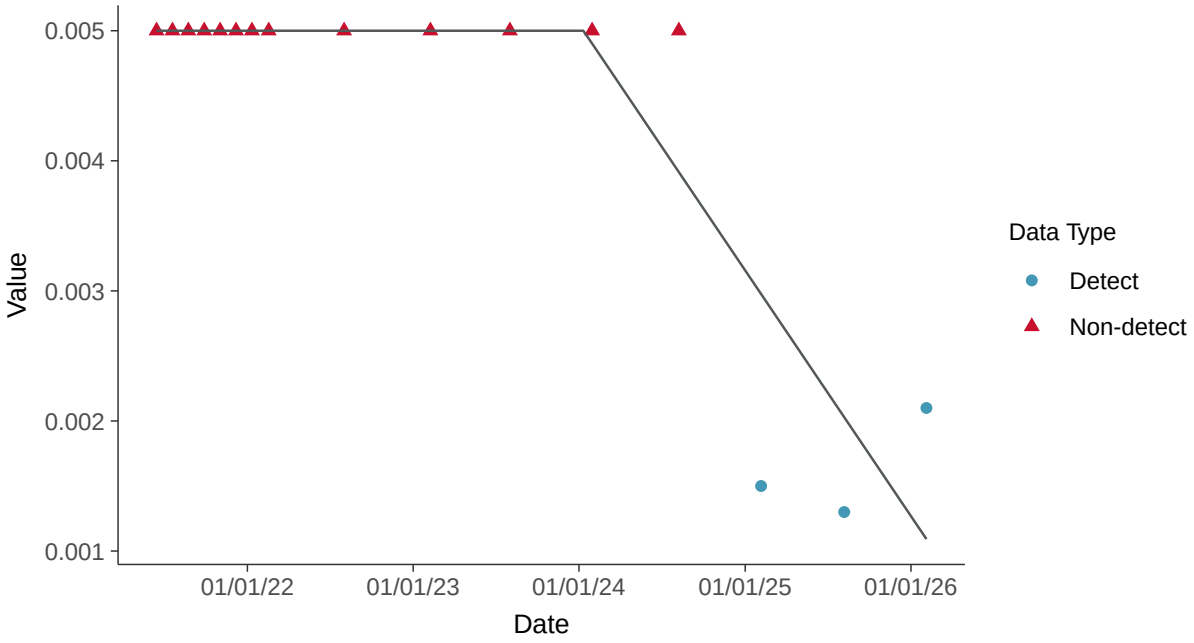
Trend Regression: Piecewise Linear-Linear

Selenium, MW-10 (mg/l)



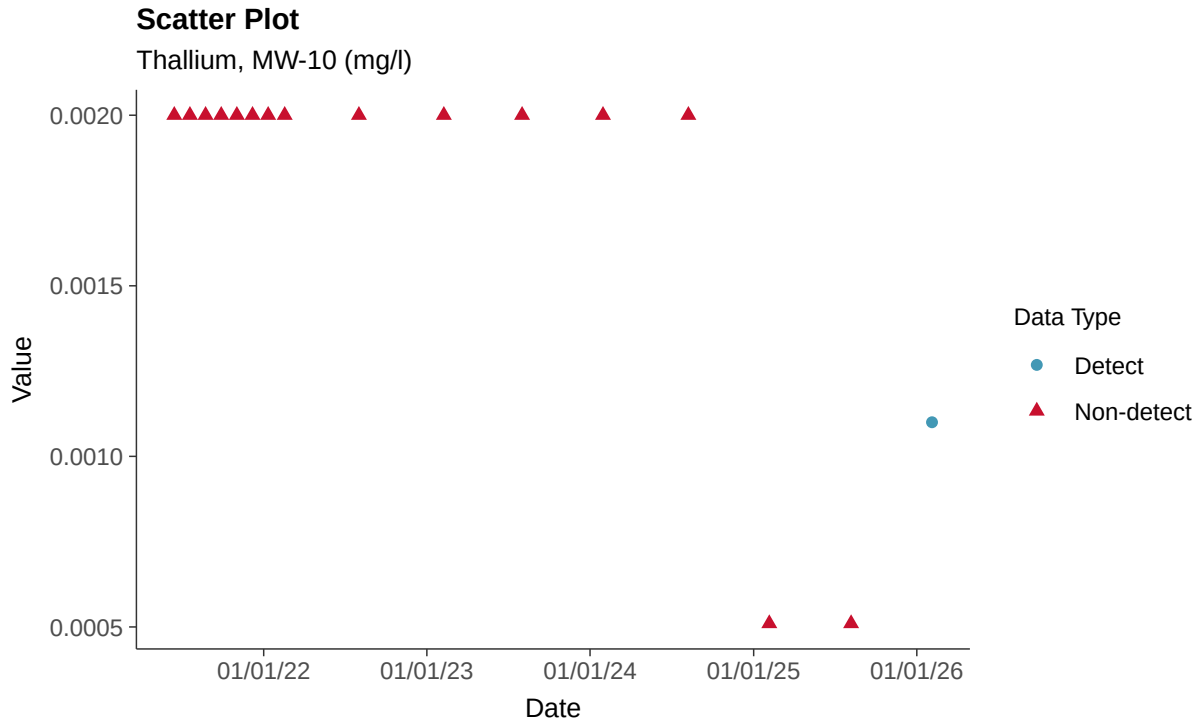
Trend Regression: Piecewise Linear-Linear-Linear

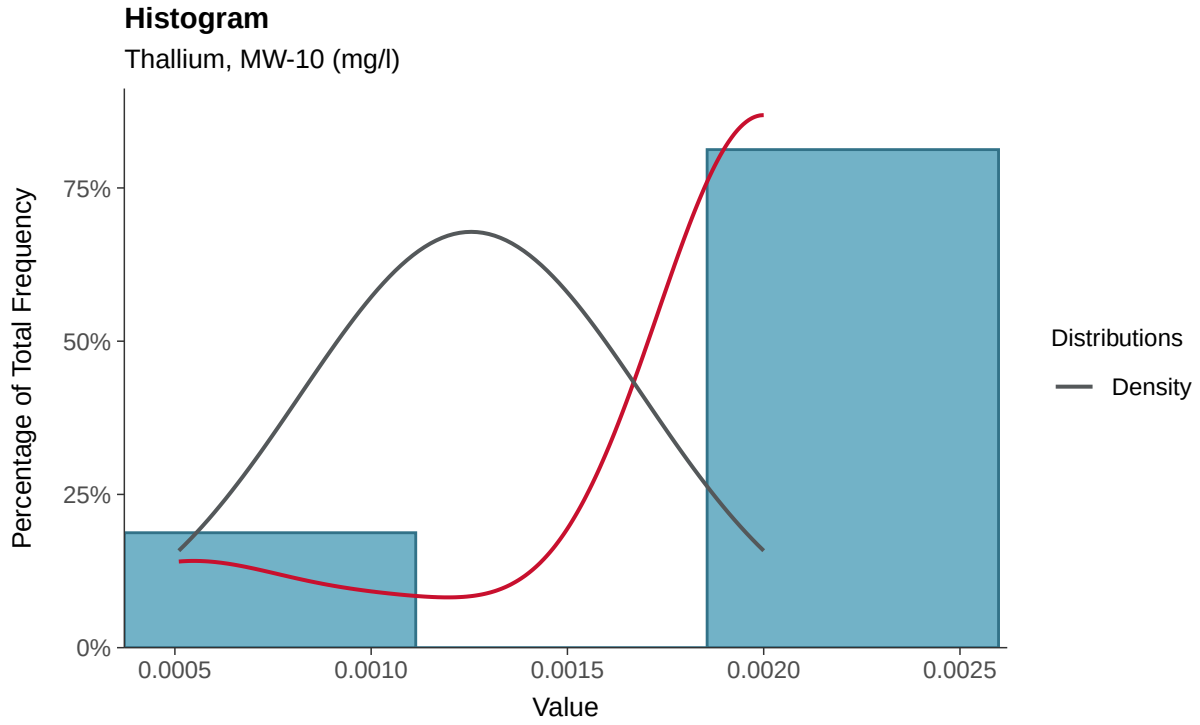
Selenium, MW-10 (mg/l)



Appendix IV: Thallium, MW-10

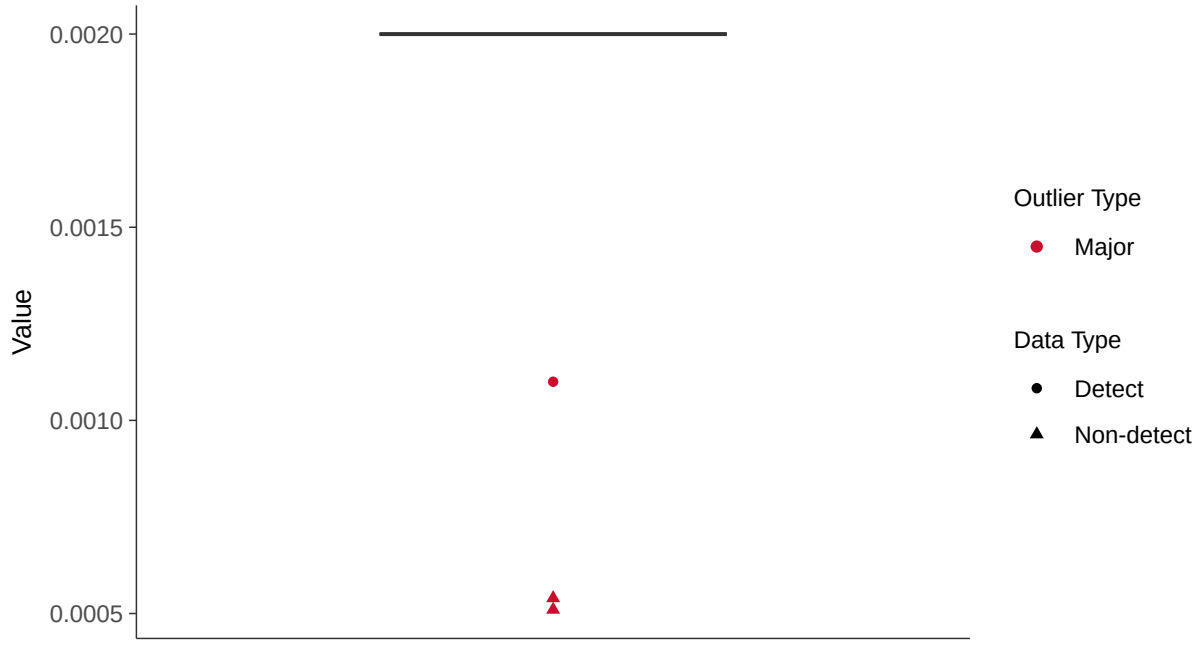
ID: 19_3_125





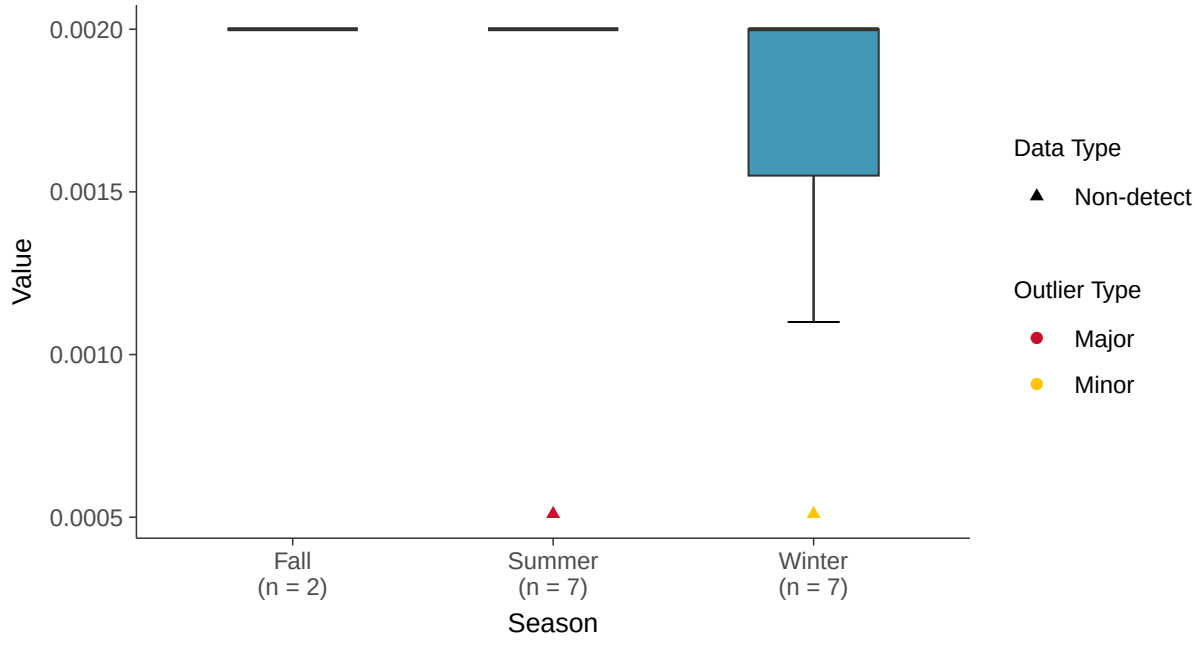
Boxplot

Thallium, MW-10 (mg/l)



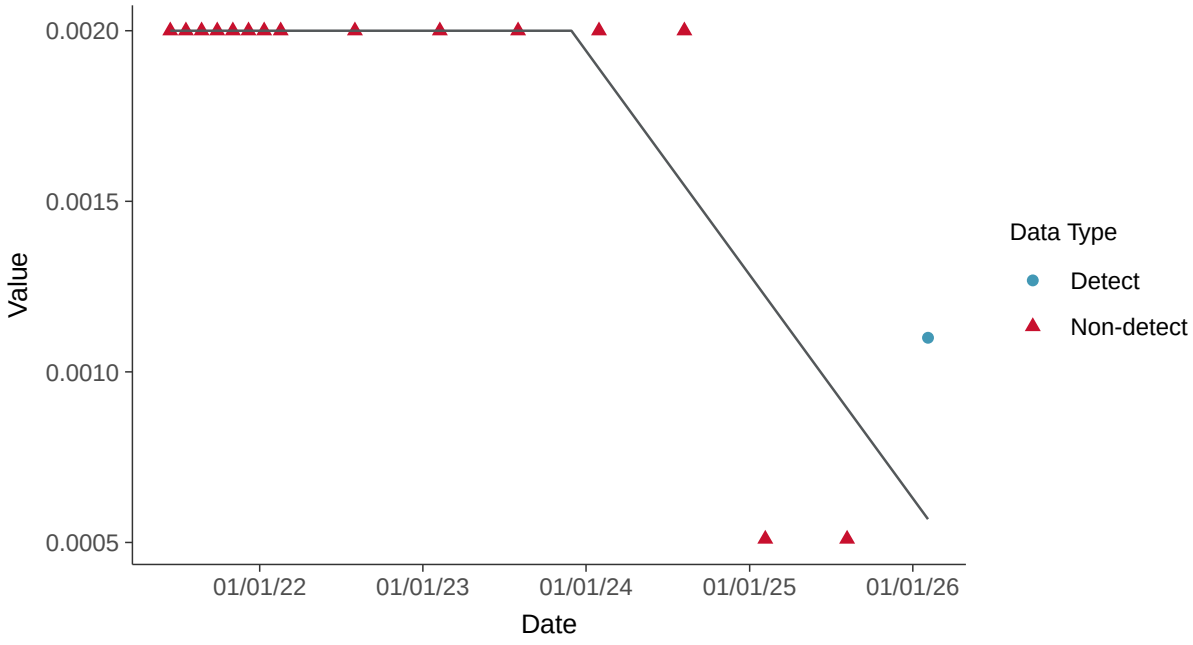
Boxplot by Season

Thallium, MW-10 (mg/l)



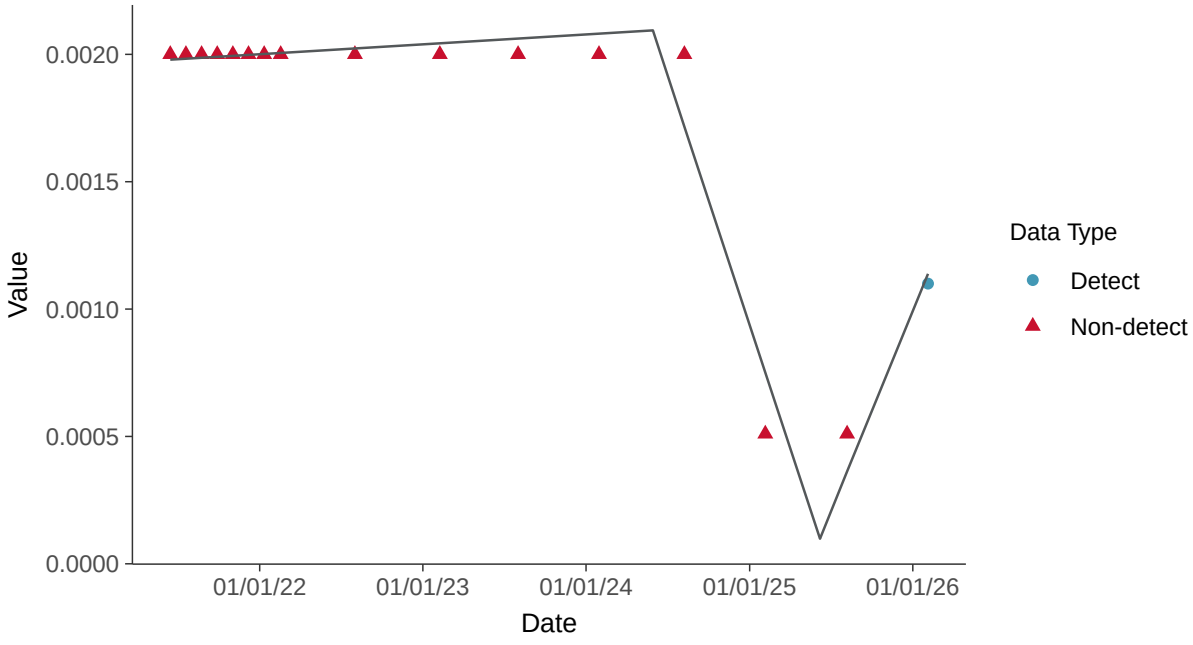
Trend Regression: Piecewise Linear-Linear

Thallium, MW-10 (mg/l)



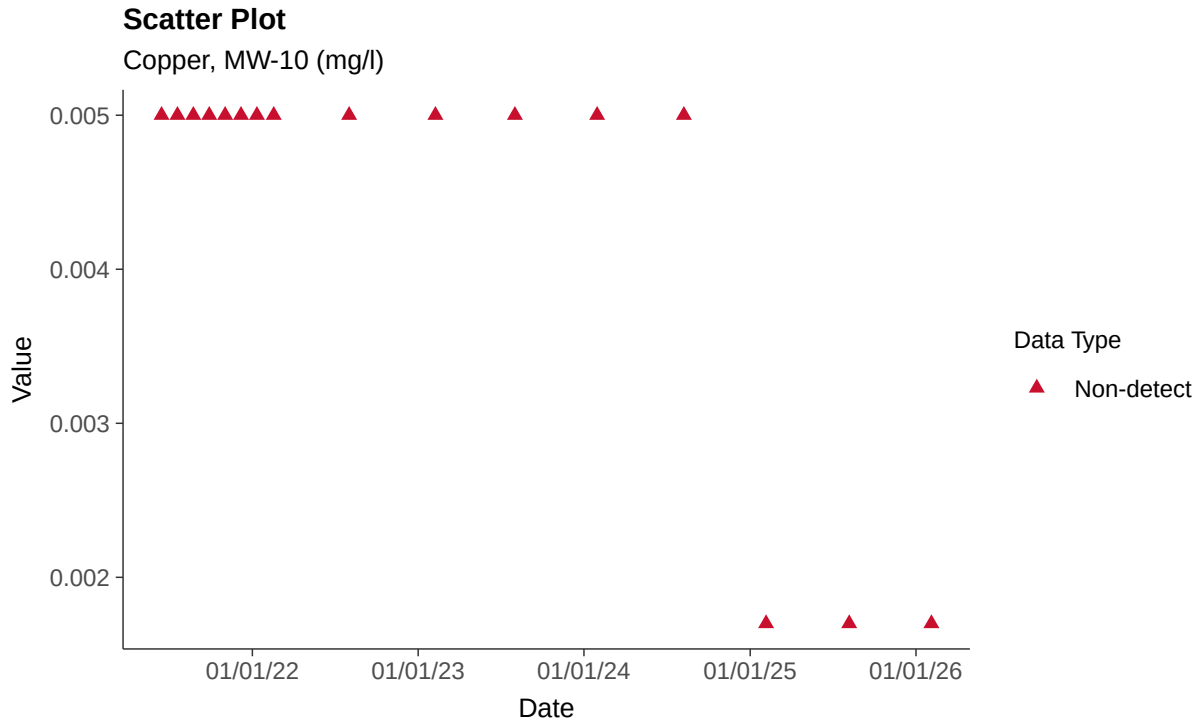
Trend Regression: Piecewise Linear-Linear-Linear

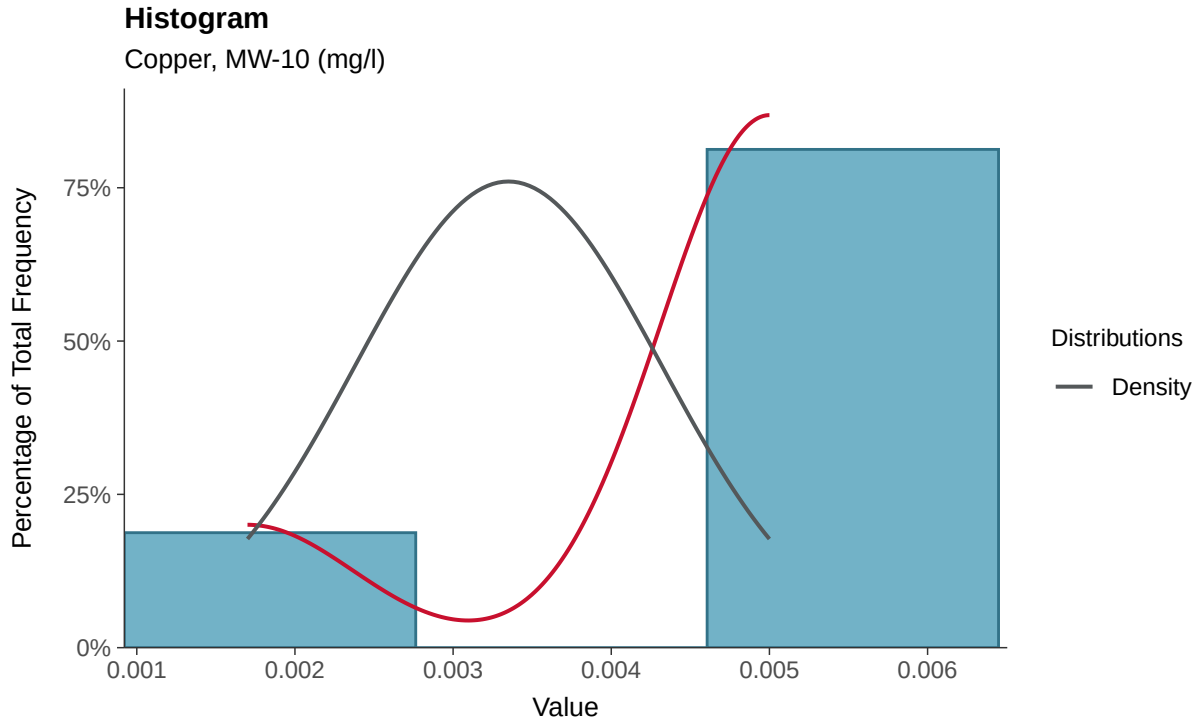
Thallium, MW-10 (mg/l)



Part 115: Copper, MW-10

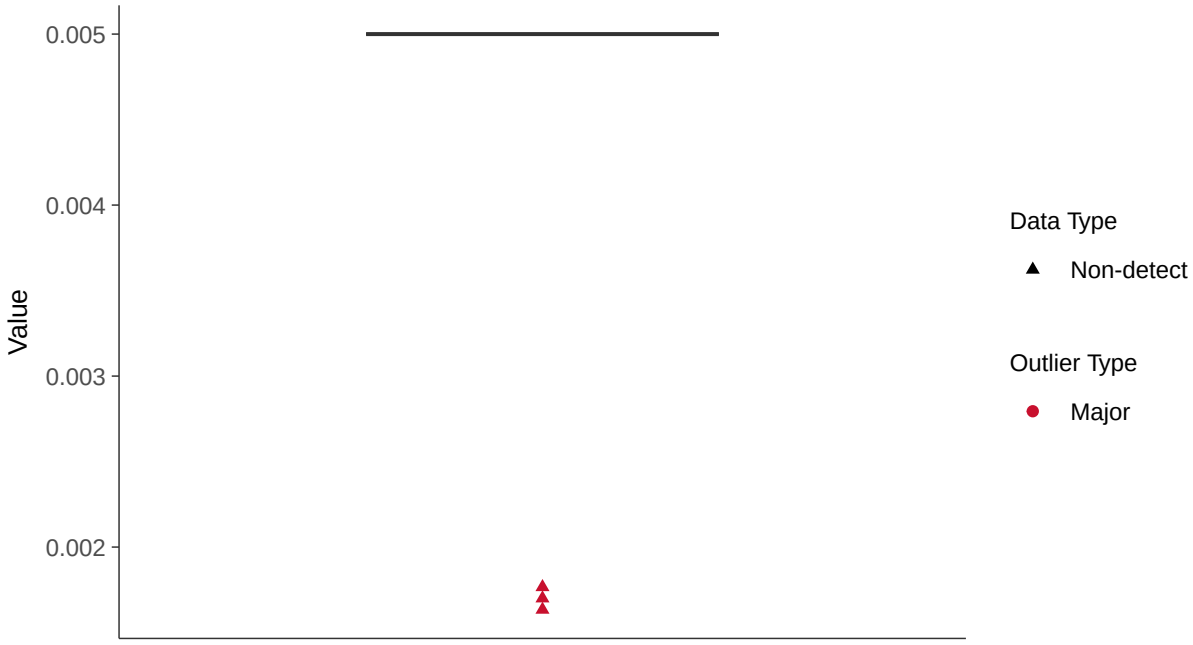
ID: 19_5_111





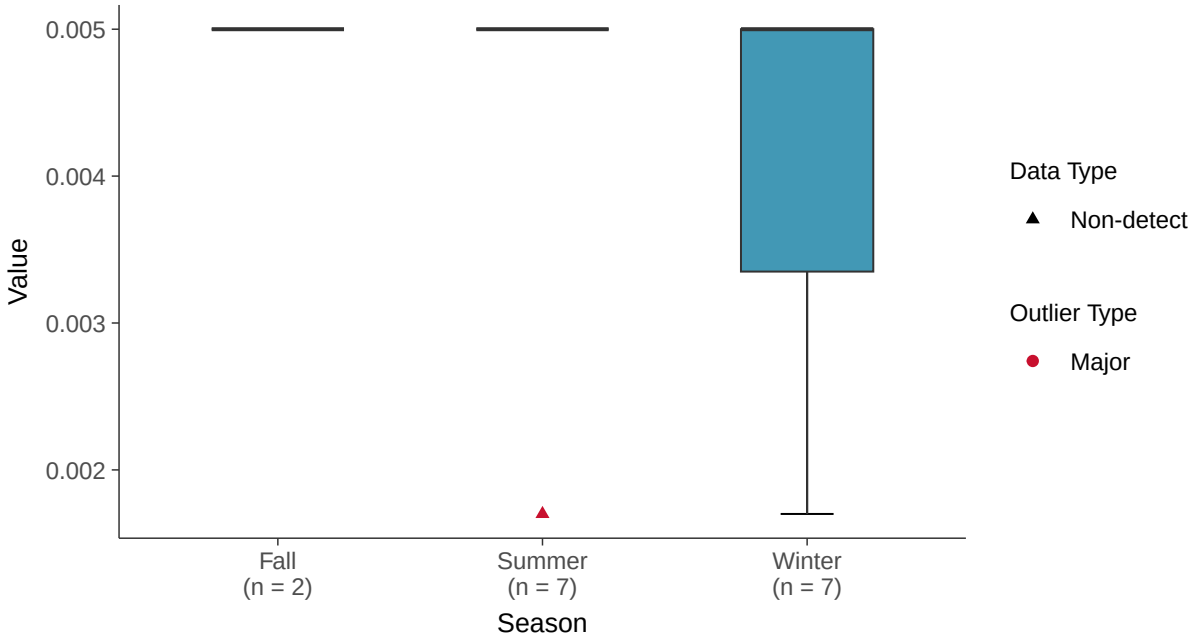
Boxplot

Copper, MW-10 (mg/l)



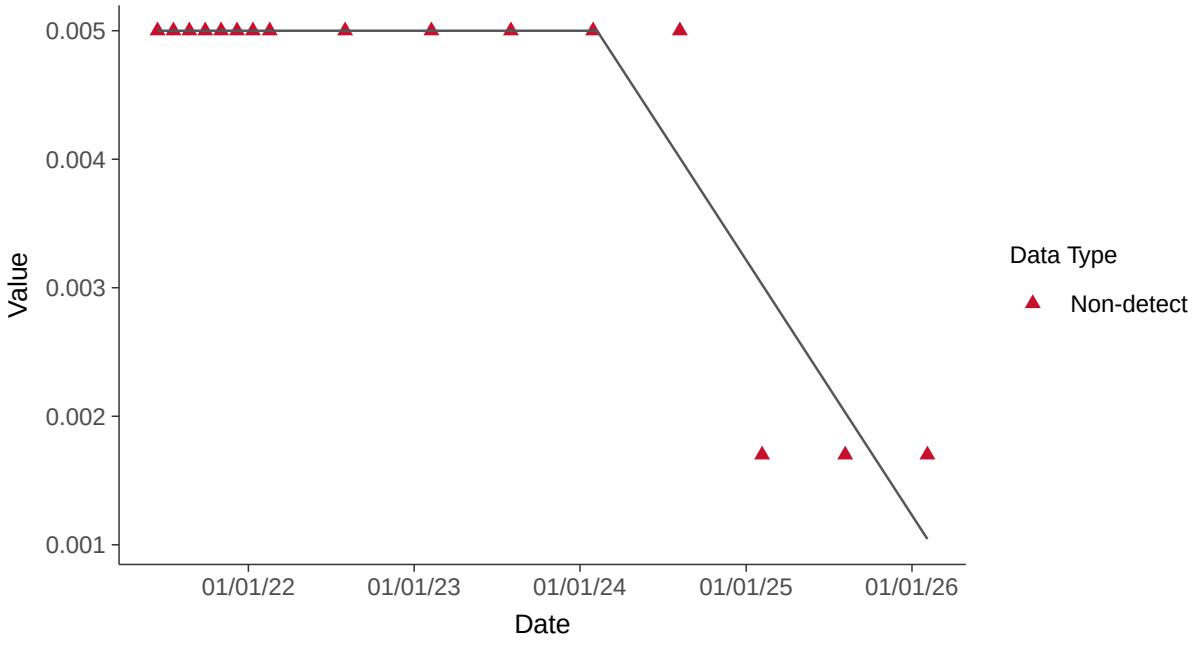
Boxplot by Season

Copper, MW-10 (mg/l)



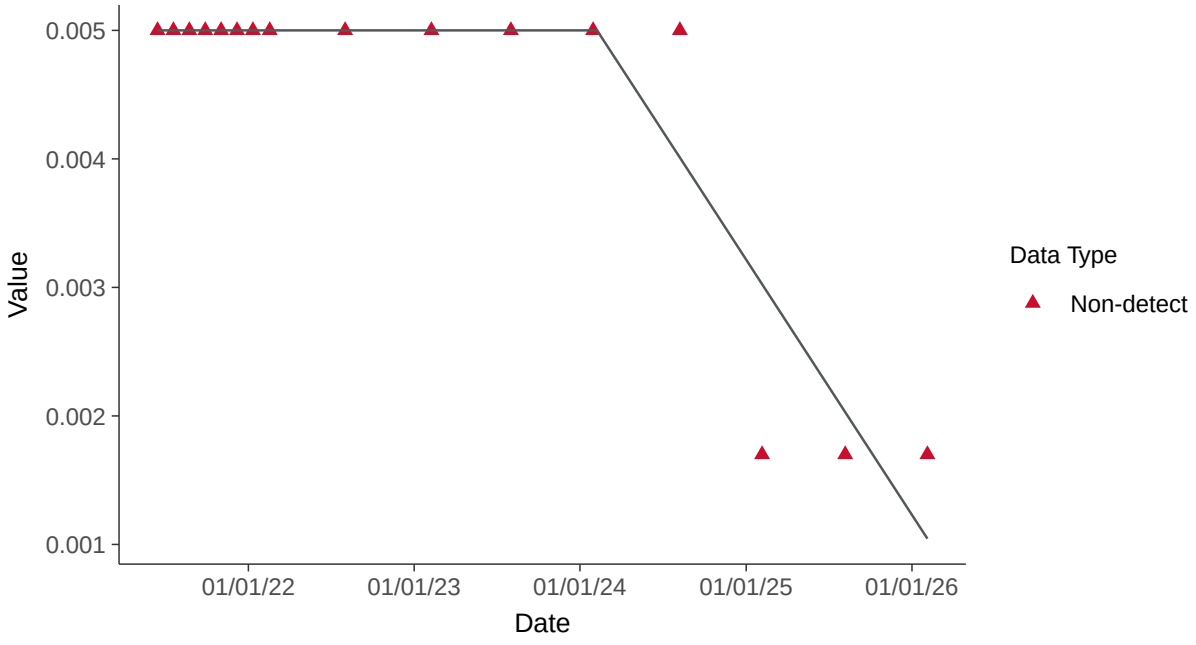
Trend Regression: Piecewise Linear-Linear

Copper, MW-10 (mg/l)



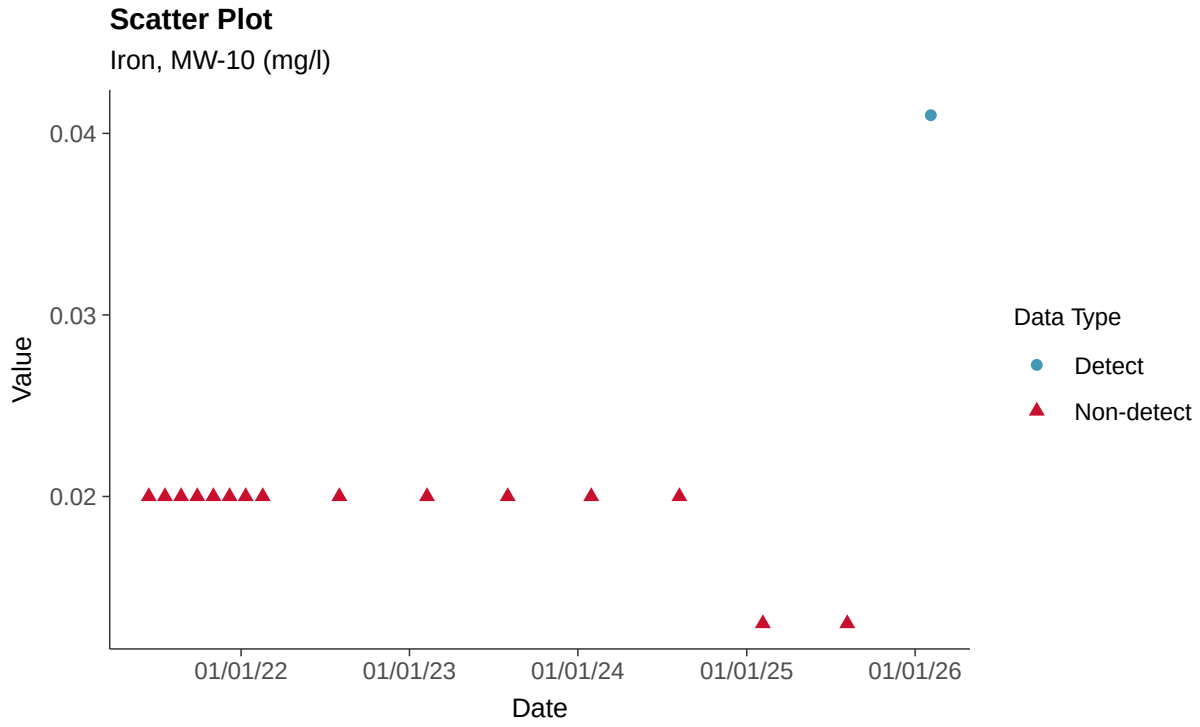
Trend Regression: Piecewise Linear-Linear-Linear

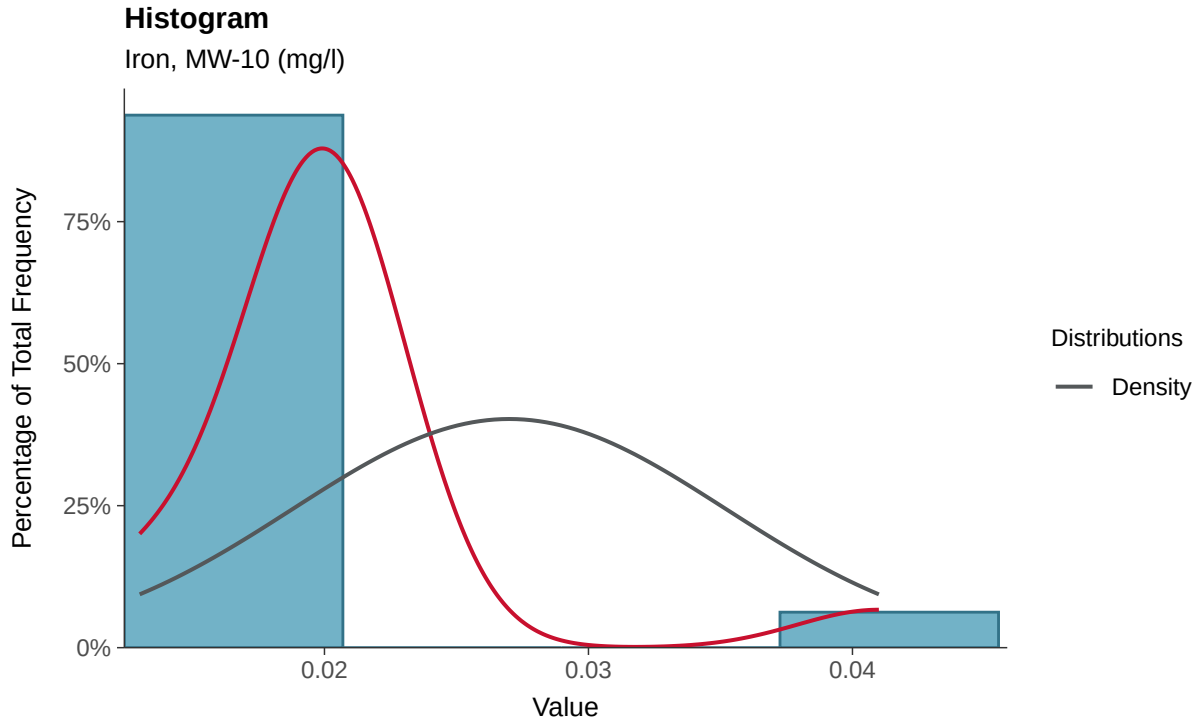
Copper, MW-10 (mg/l)



Part 115: Iron, MW-10

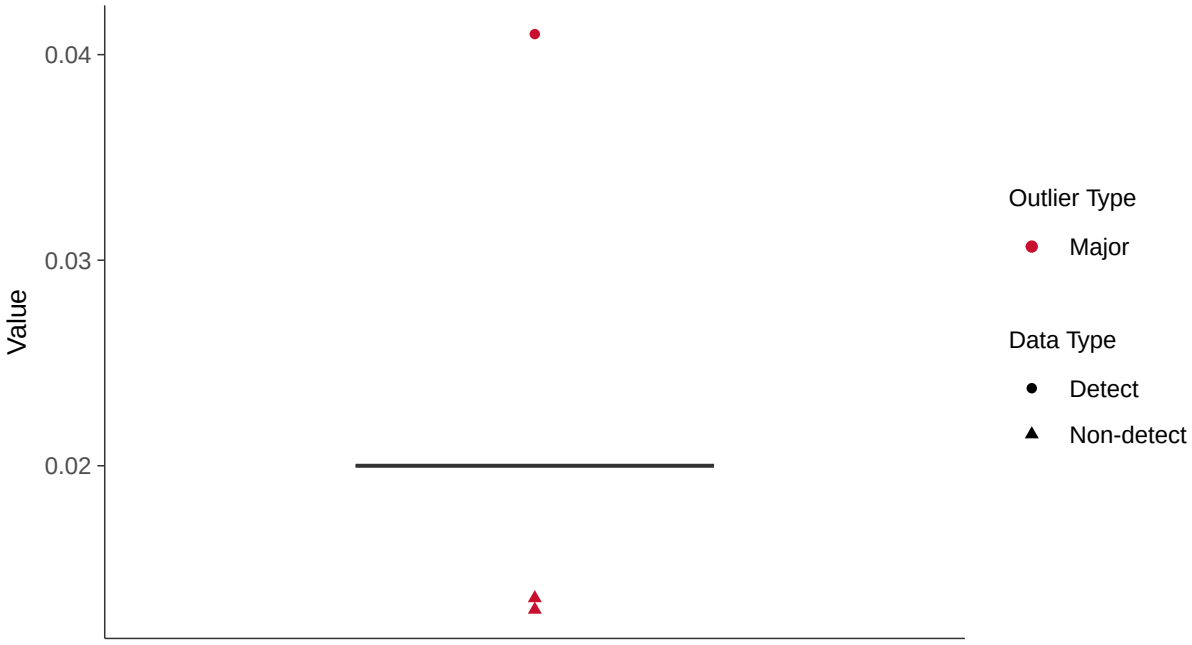
ID: 19_5_114





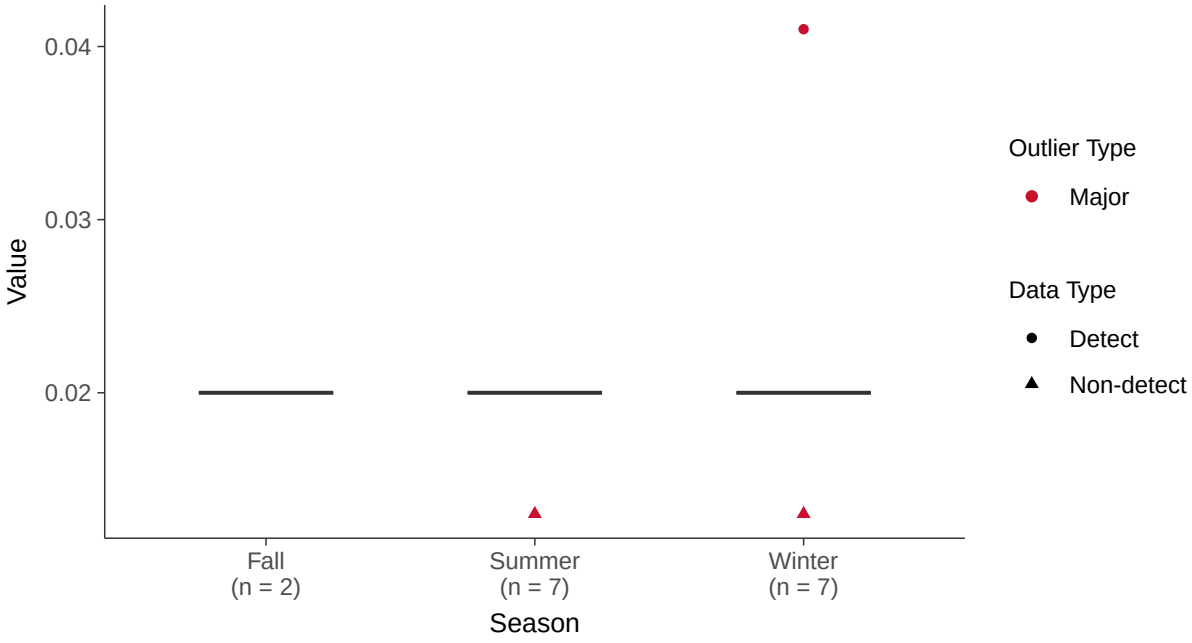
Boxplot

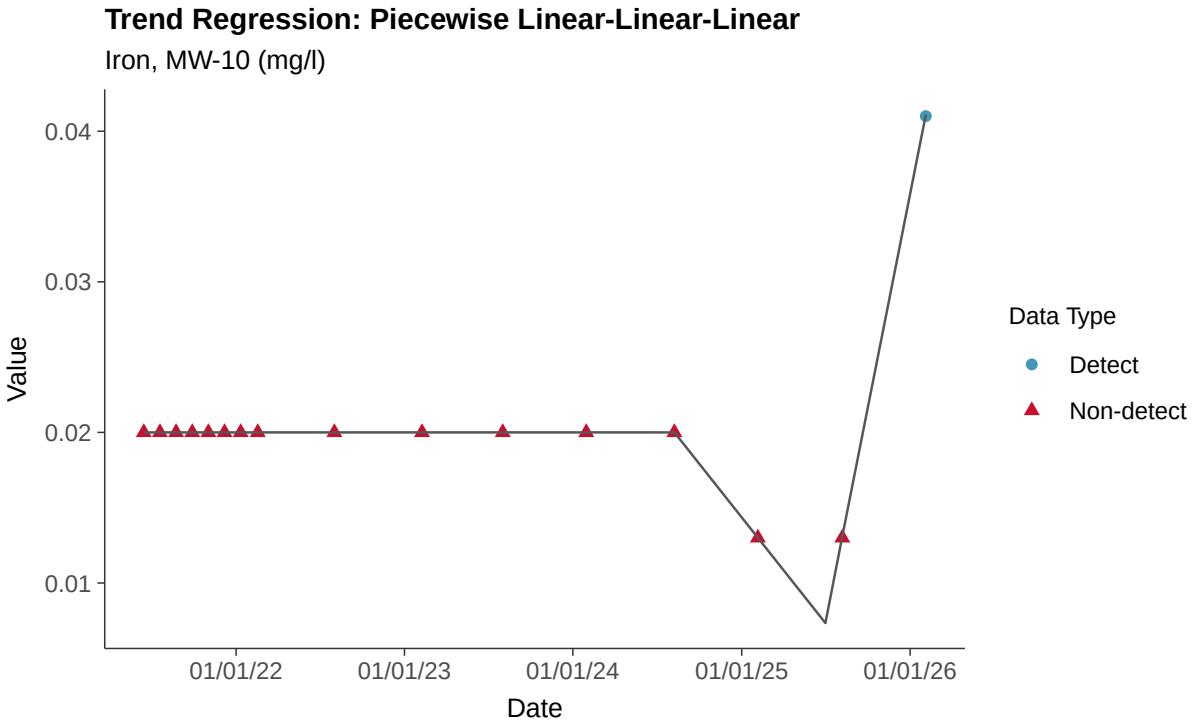
Iron, MW-10 (mg/l)



Boxplot by Season

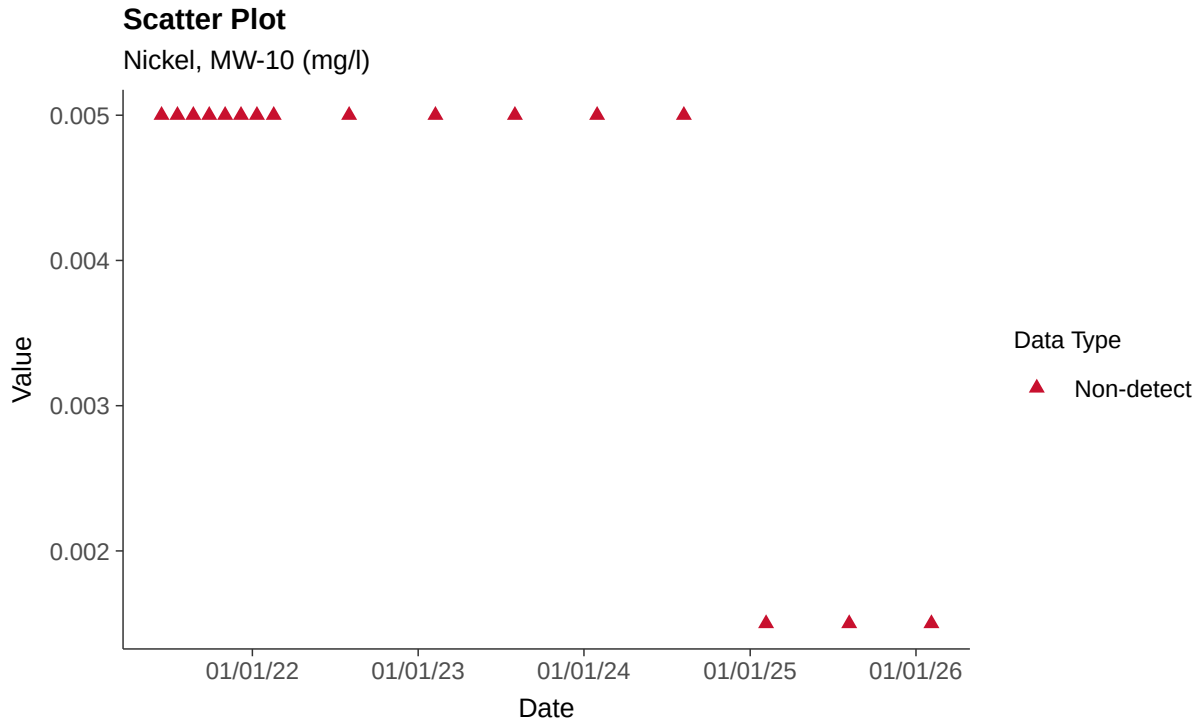
Iron, MW-10 (mg/l)

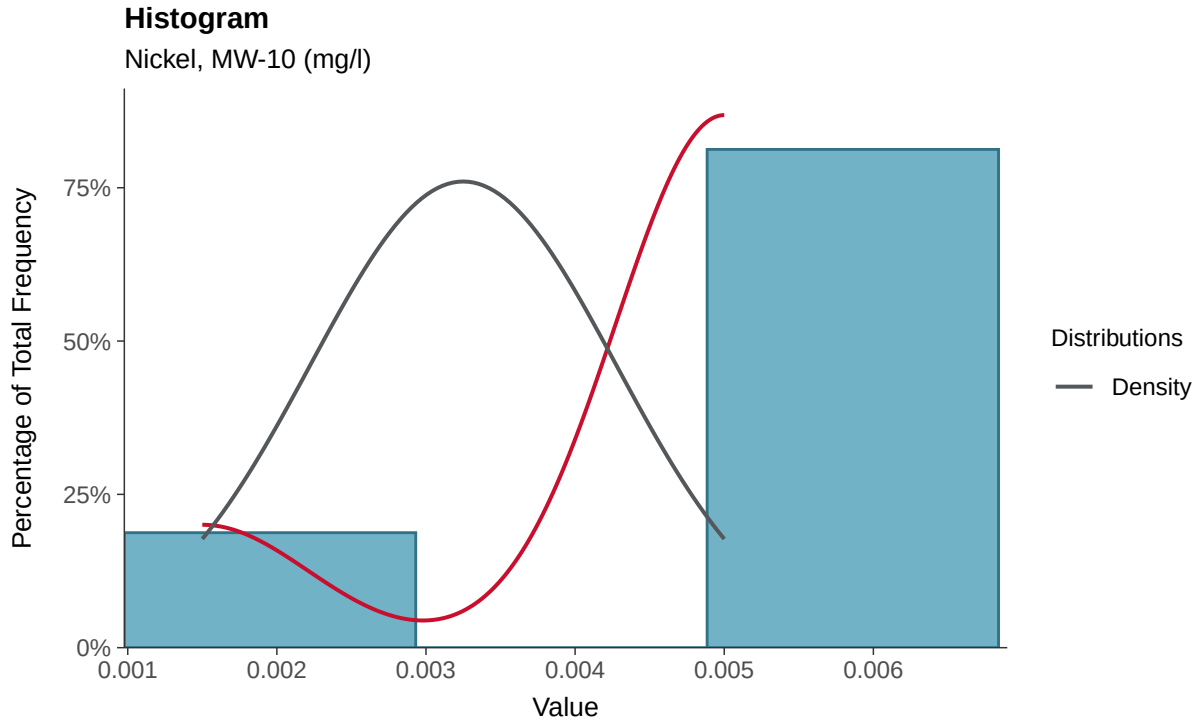



Trend Regression: Piecewise Linear-Linear-Linear
Iron, MW-10 (mg/l)
0.04
0.03
0.02
0.01
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Nickel, MW-10

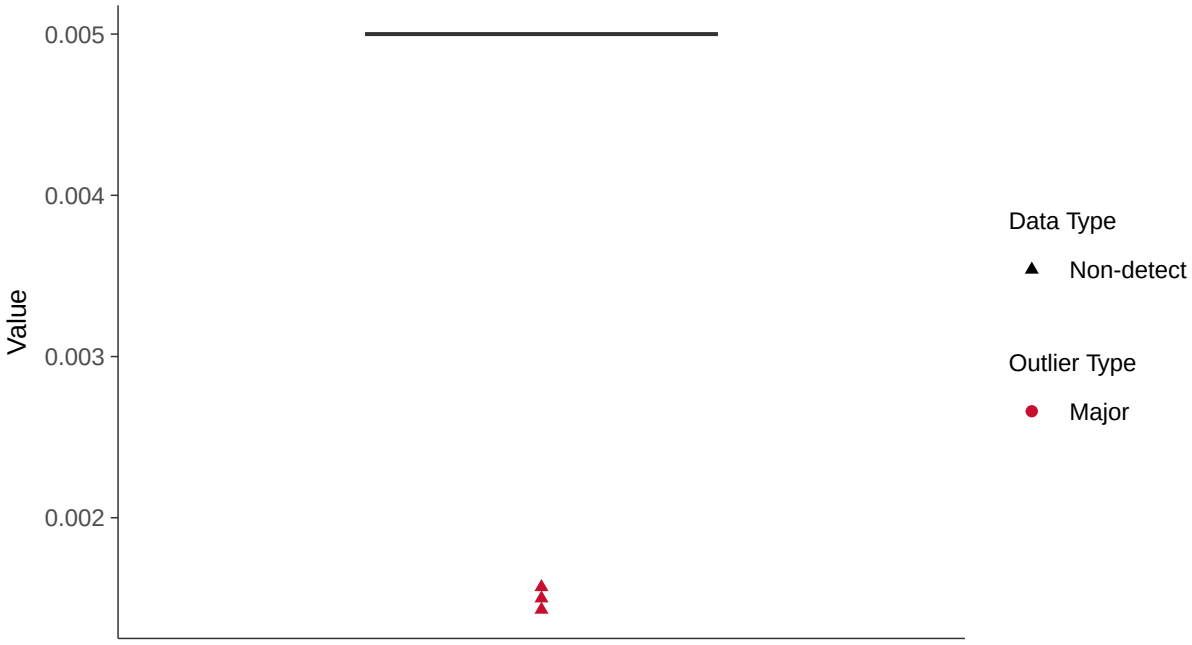
ID: 19_5_119





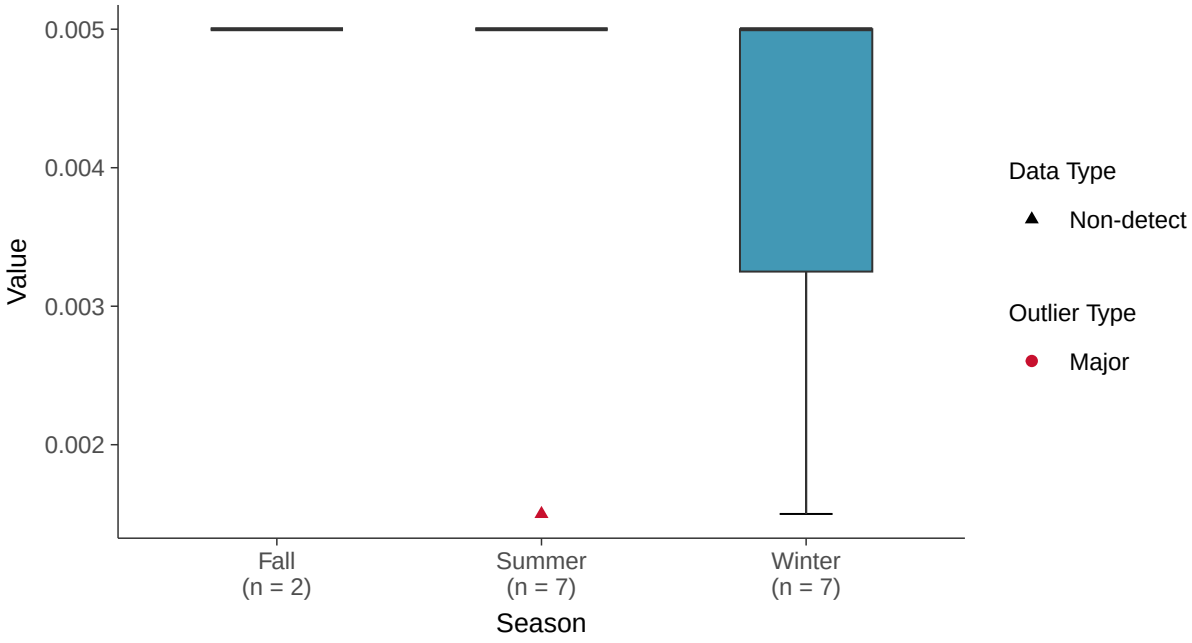
Boxplot

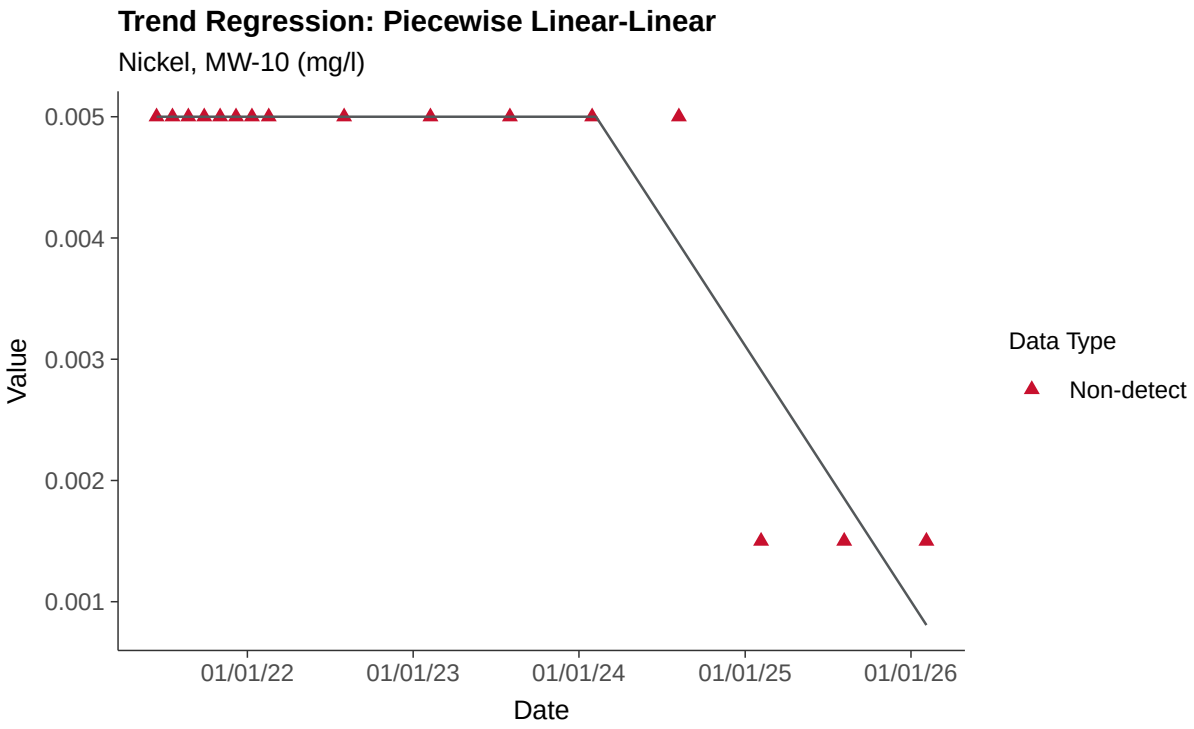
Nickel, MW-10 (mg/l)



Boxplot by Season

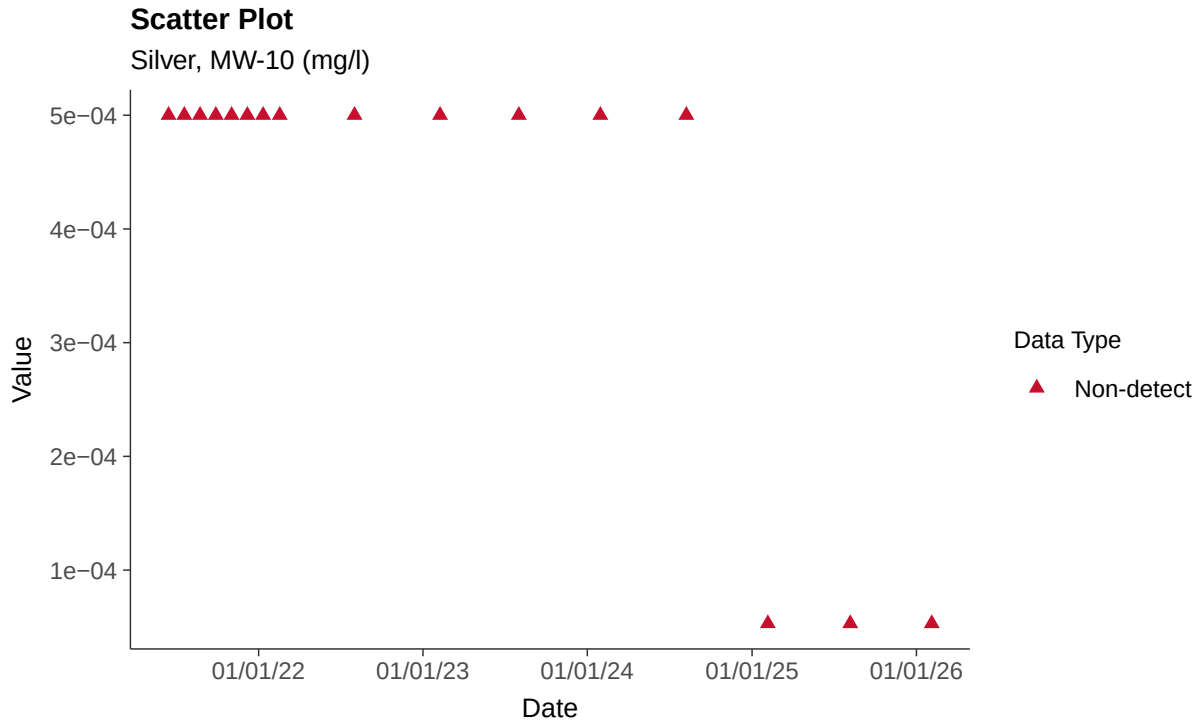
Nickel, MW-10 (mg/l)

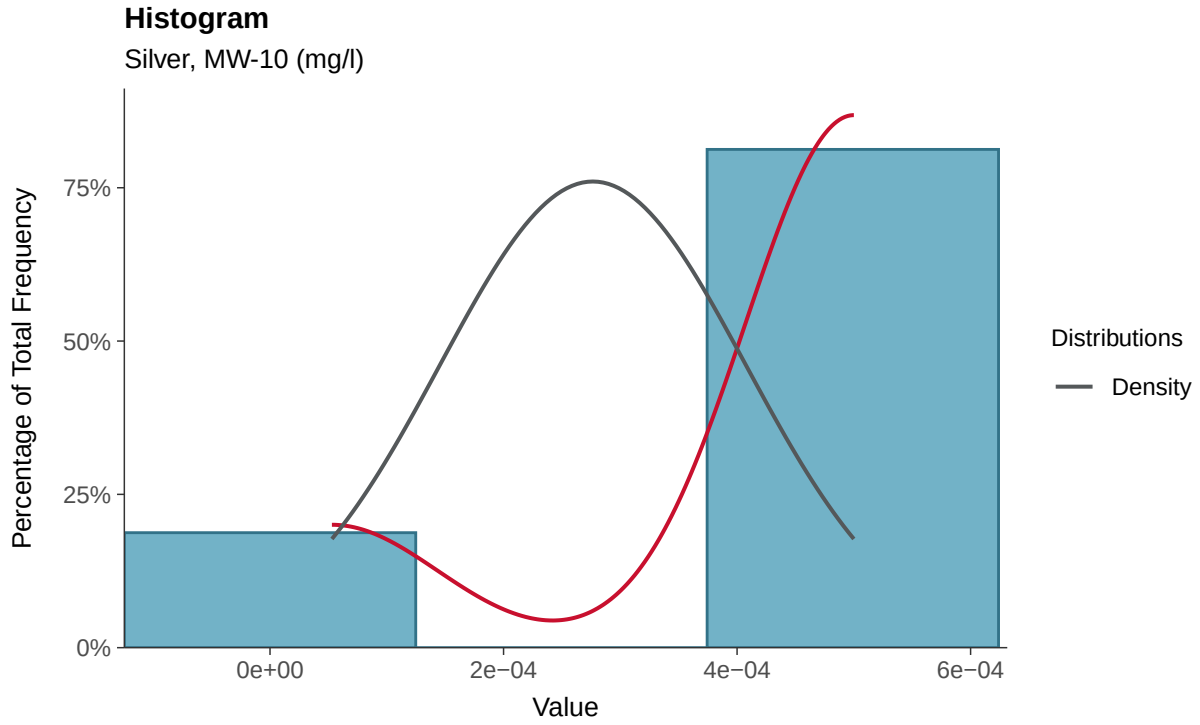



Trend Regression: Piecewise Linear-Linear
Nickel, MW-10 (mg/l)
0.005
0.004
0.003
0.002
0.001
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Silver, MW-10

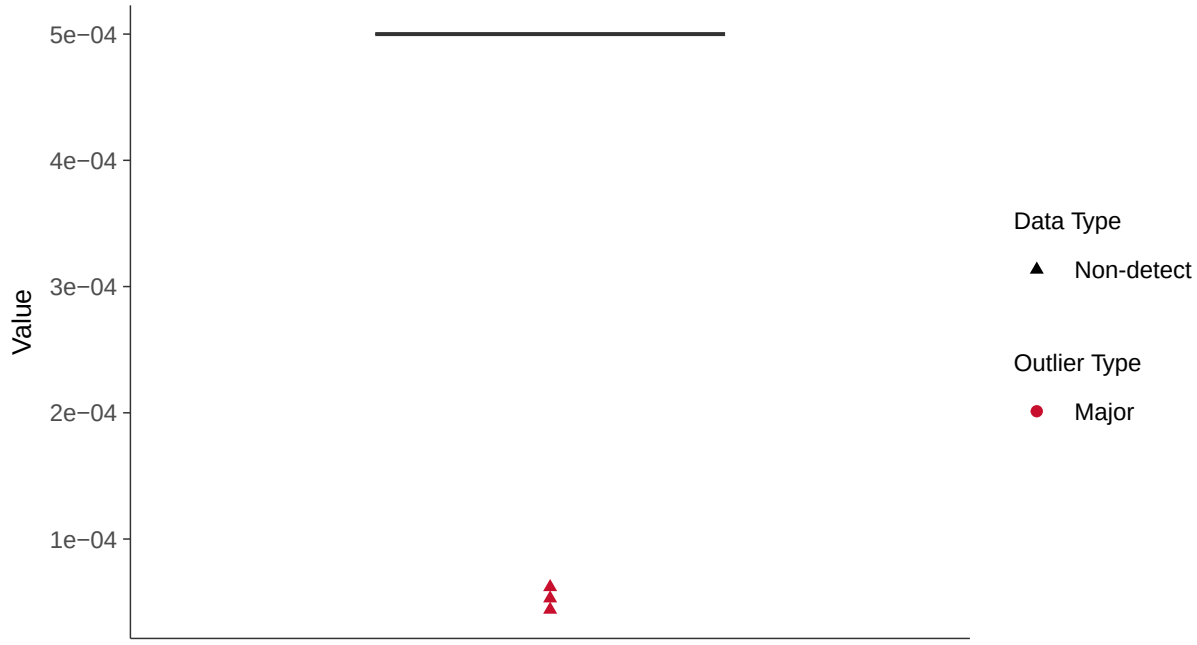
ID: 19_5_123





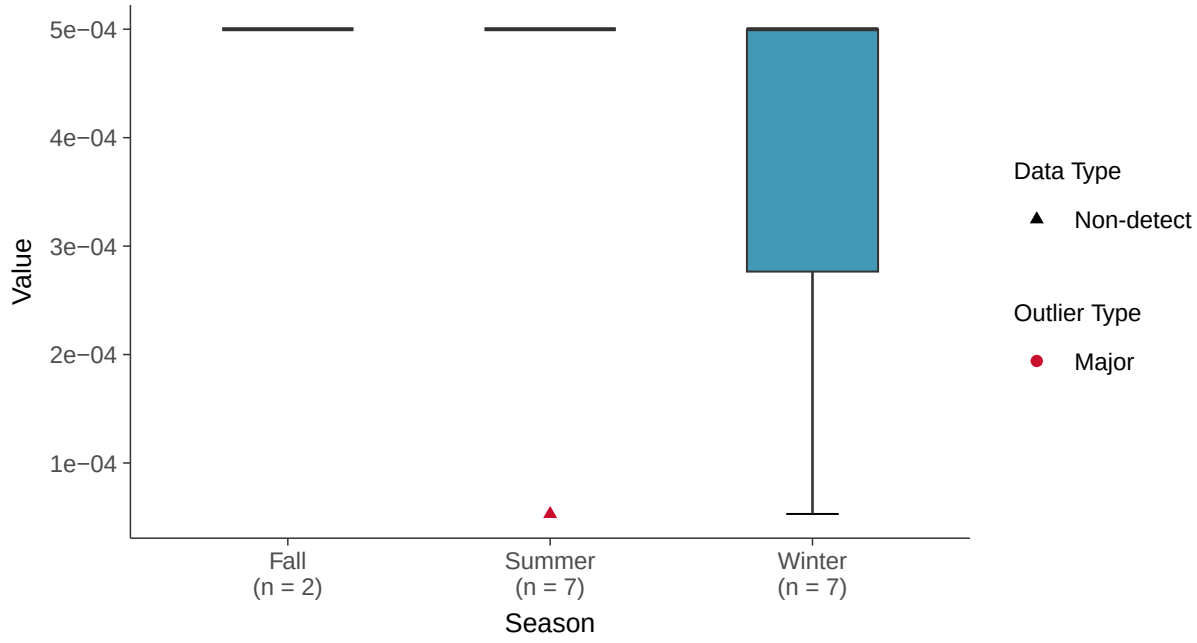
Boxplot

Silver, MW-10 (mg/l)



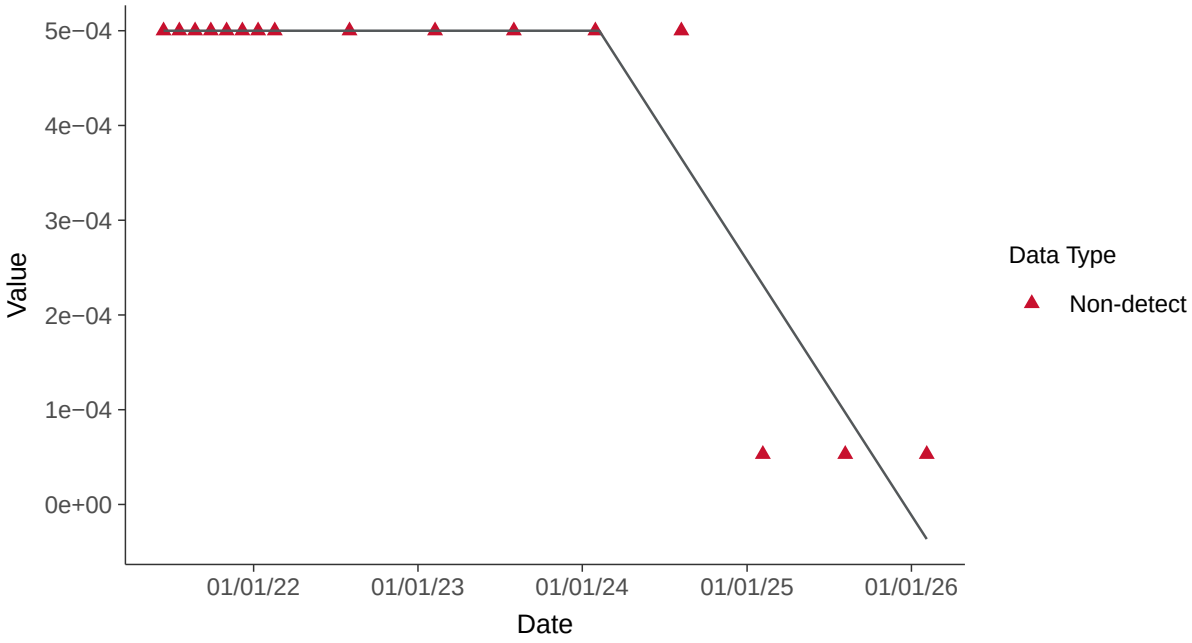
Boxplot by Season

Silver, MW-10 (mg/l)



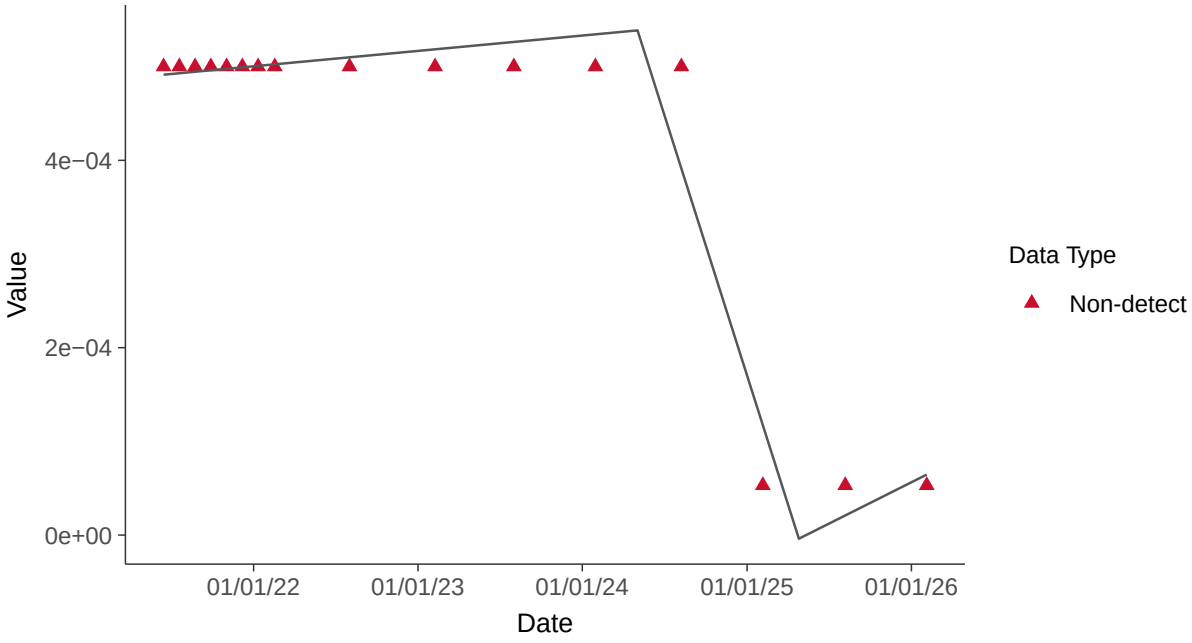
Trend Regression: Piecewise Linear-Linear

Silver, MW-10 (mg/l)



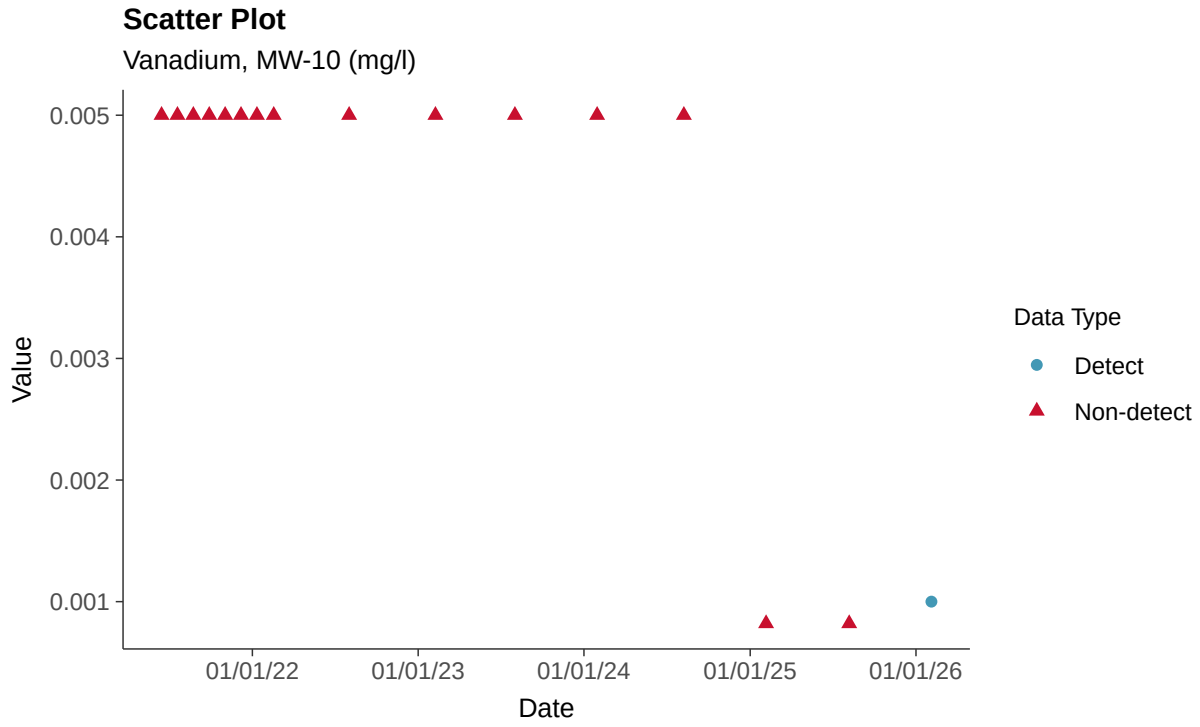
Trend Regression: Piecewise Linear-Linear-Linear

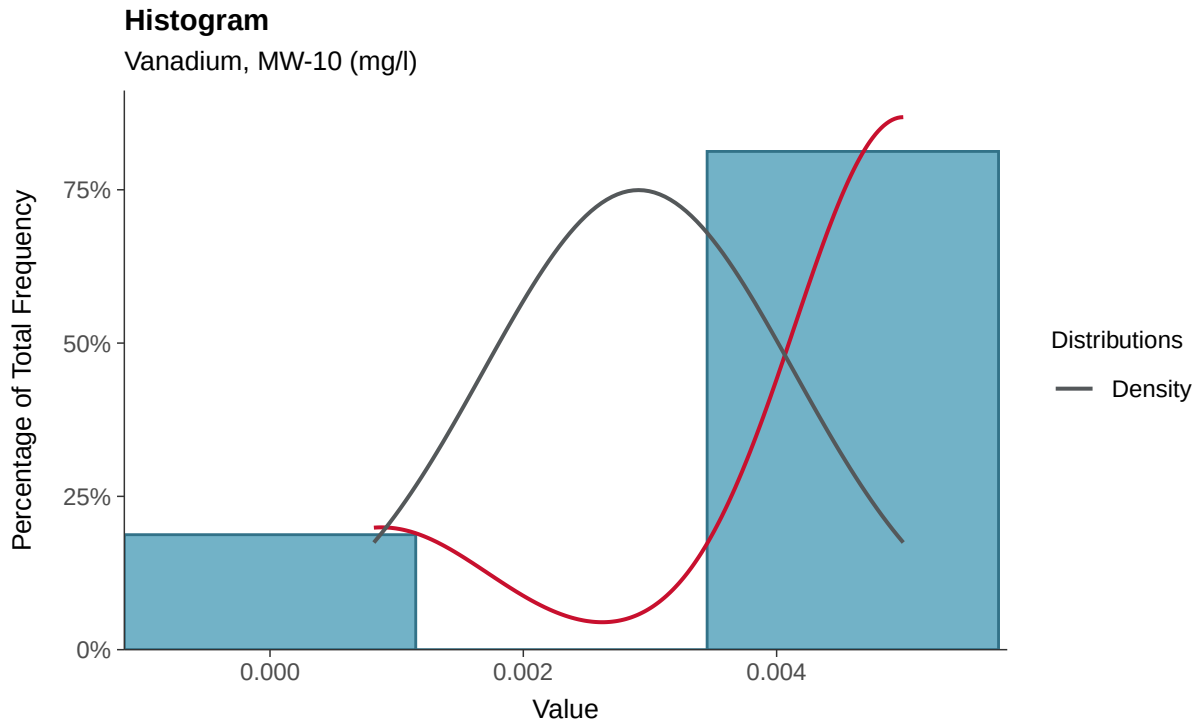
Silver, MW-10 (mg/l)



Part 115: Vanadium, MW-10

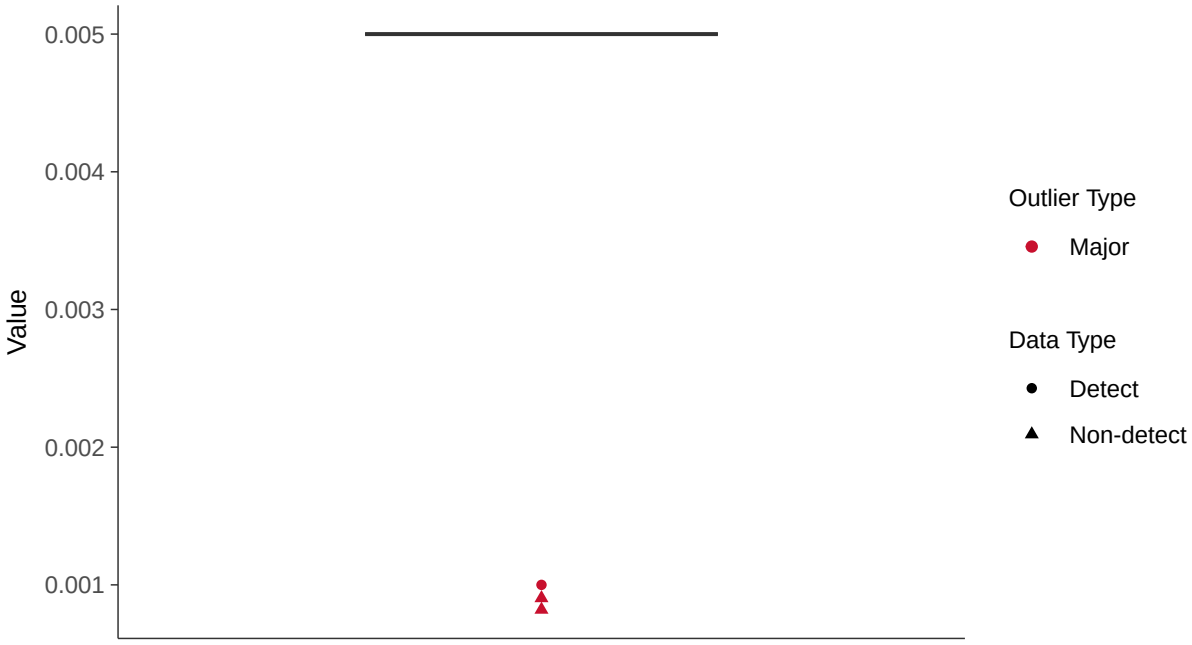
ID: 19_5_128





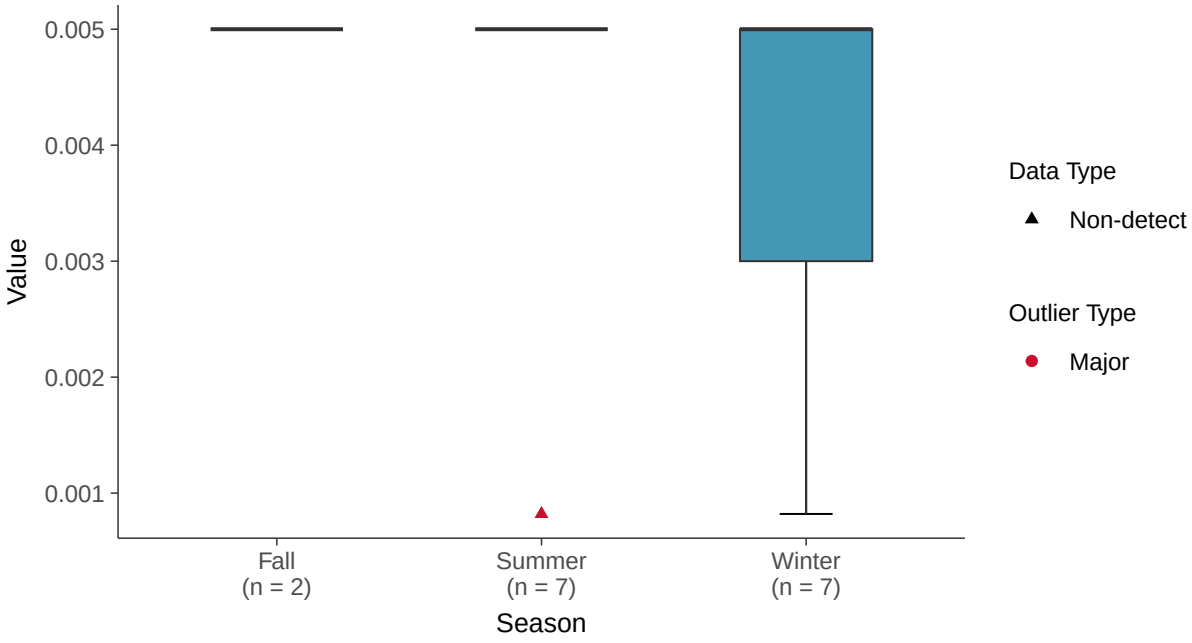
Boxplot

Vanadium, MW-10 (mg/l)



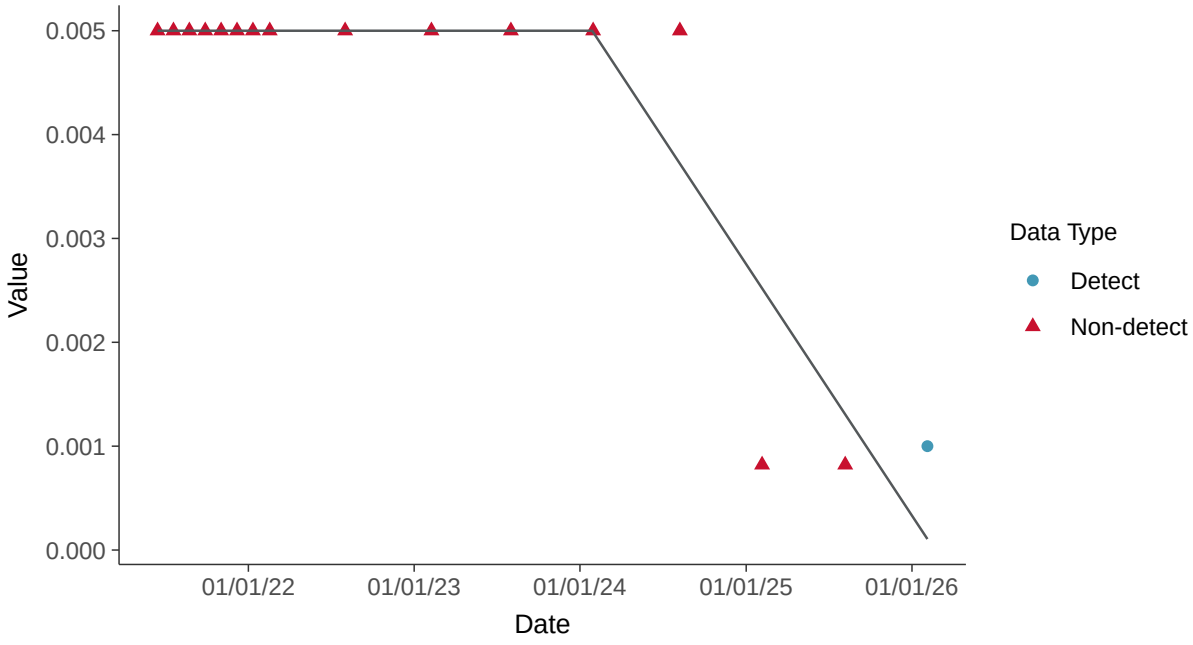
Boxplot by Season

Vanadium, MW-10 (mg/l)



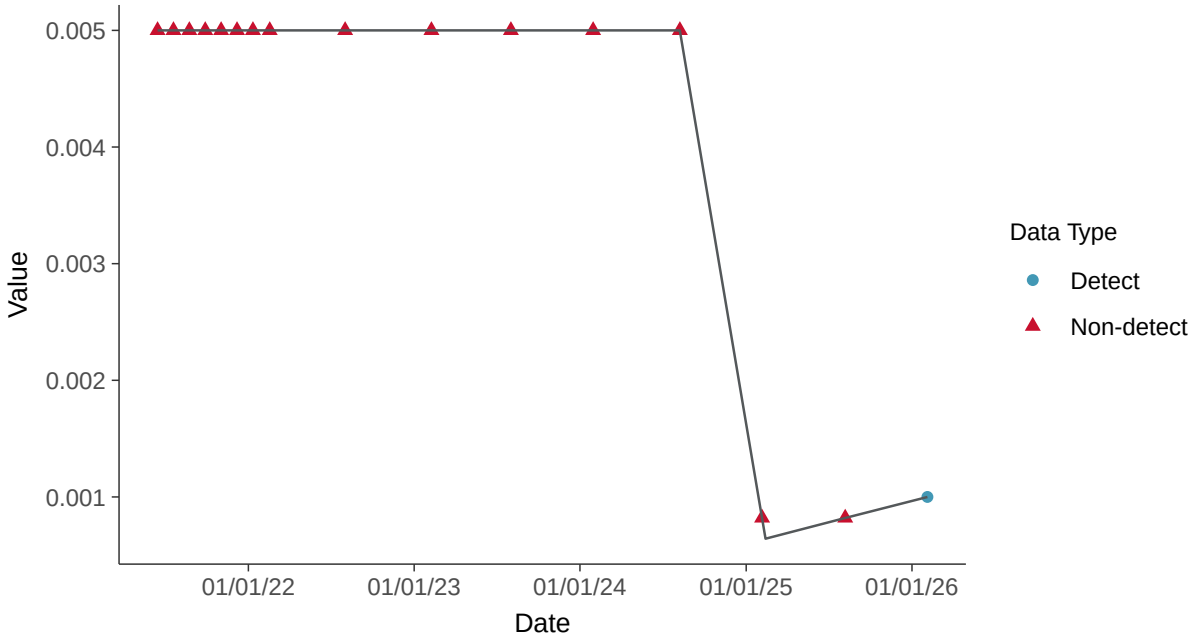
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-10 (mg/l)



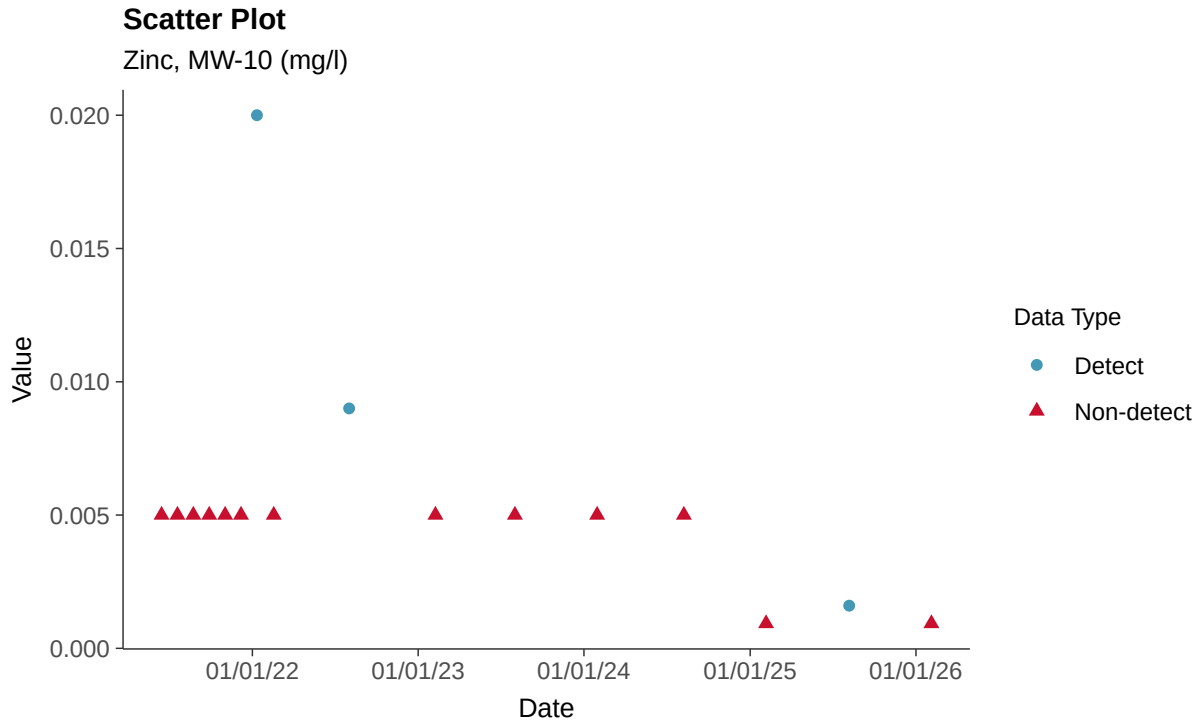
Trend Regression: Piecewise Linear-Linear-Linear

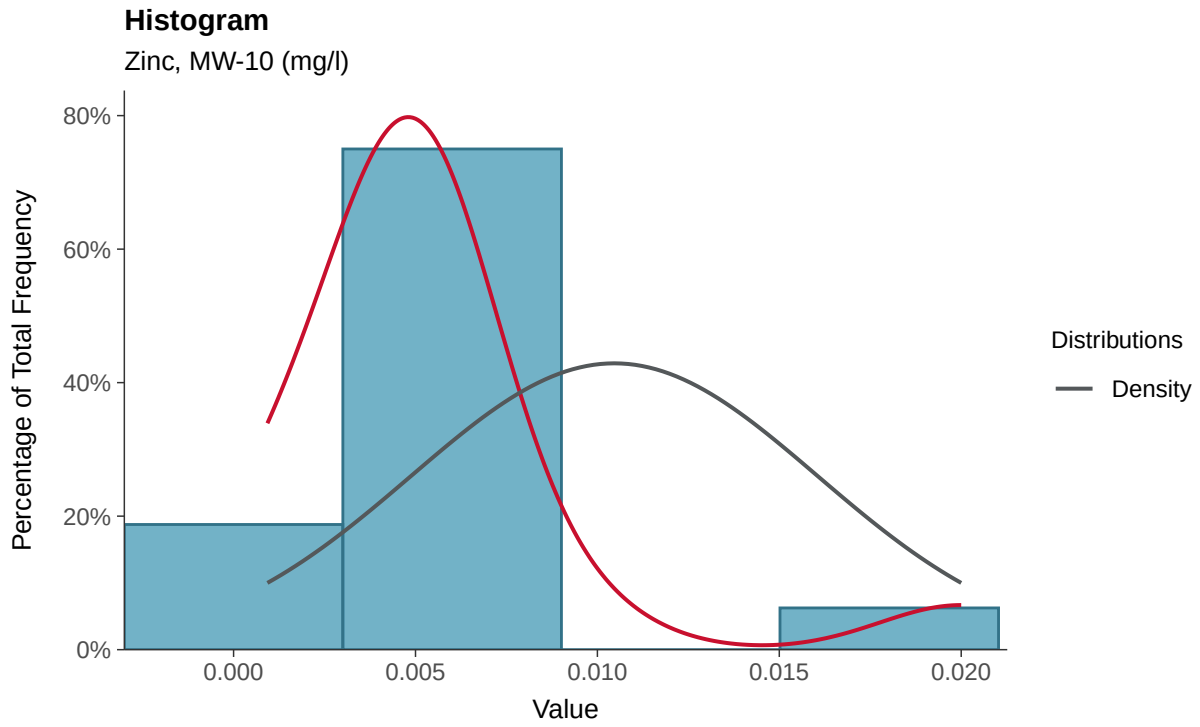
Vanadium, MW-10 (mg/l)



Part 115: Zinc, MW-10

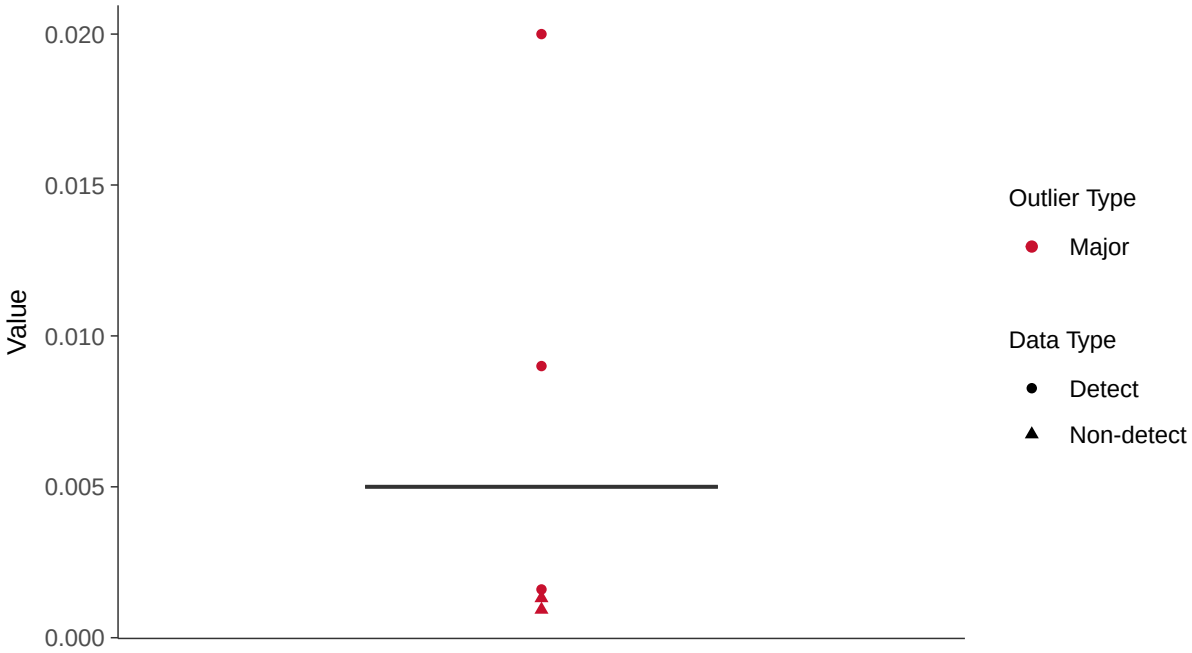
ID: 19_5_129





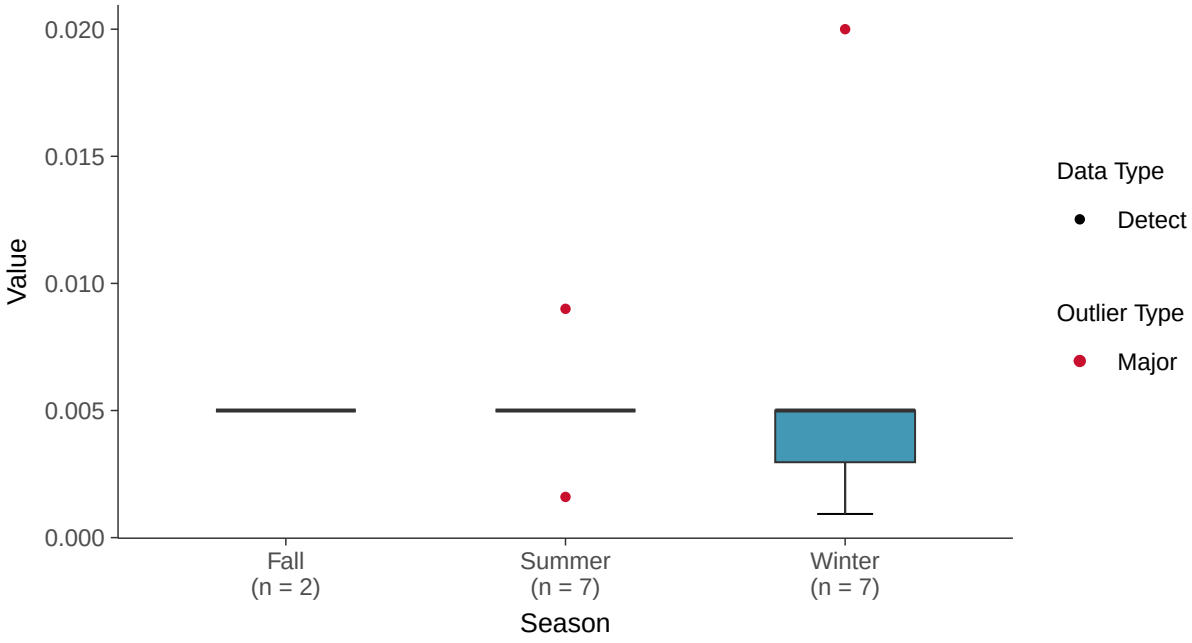
Boxplot

Zinc, MW-10 (mg/l)



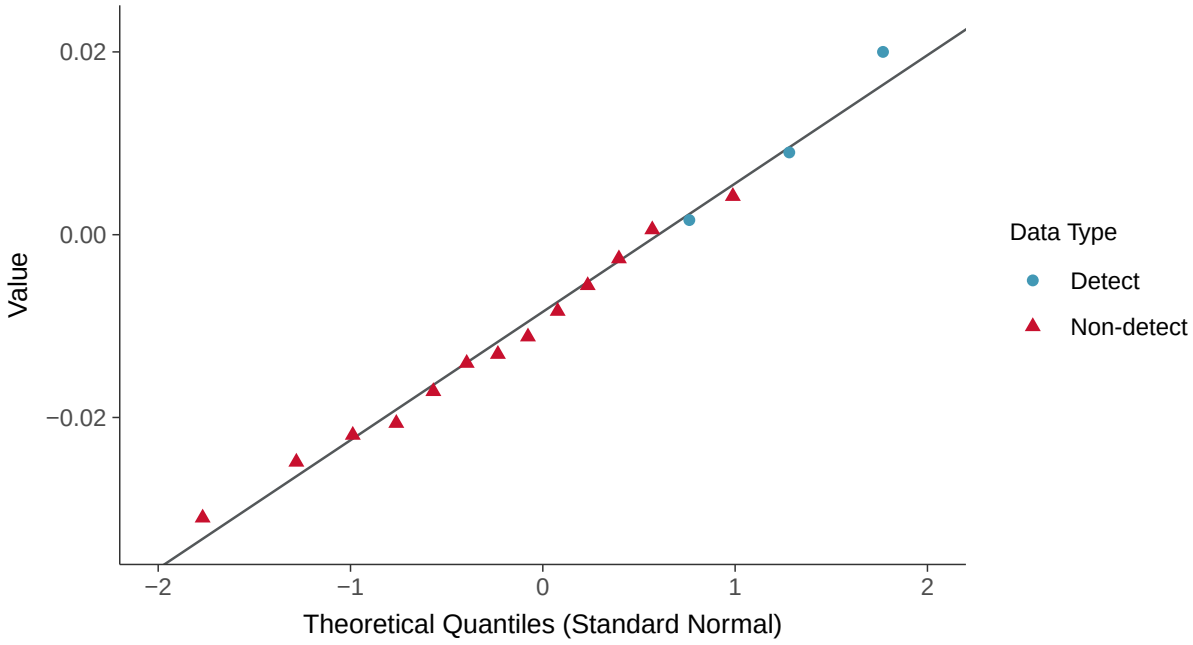
Boxplot by Season

Zinc, MW-10 (mg/l)



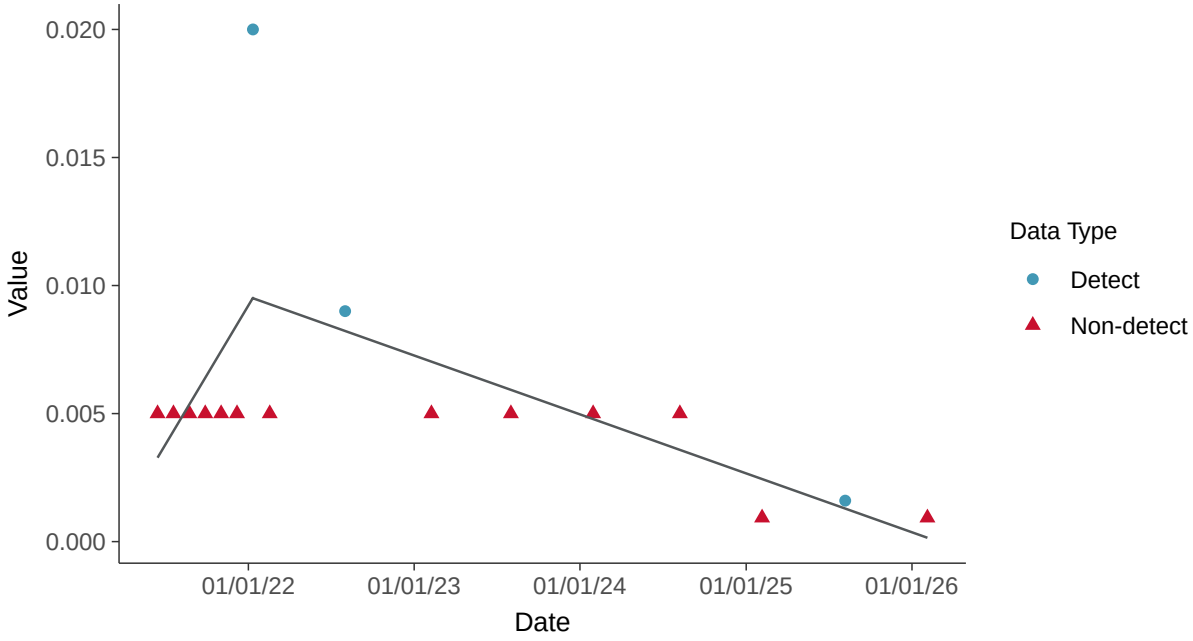
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-10 (mg/l)



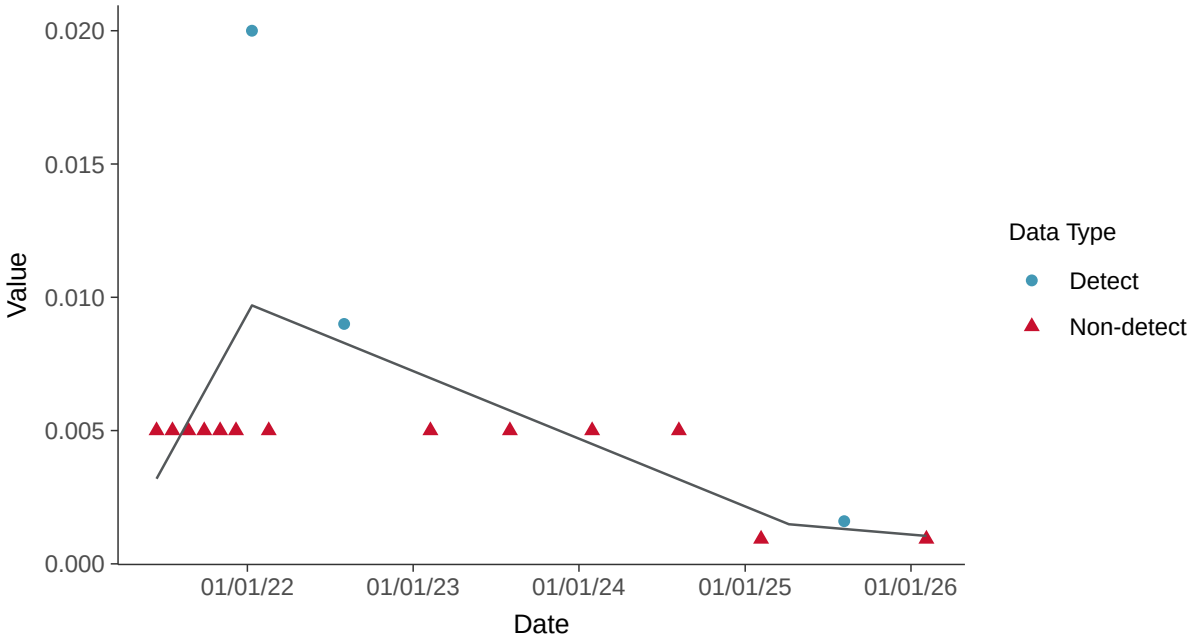
Trend Regression: Piecewise Linear-Linear

Zinc, MW-10 (mg/l)



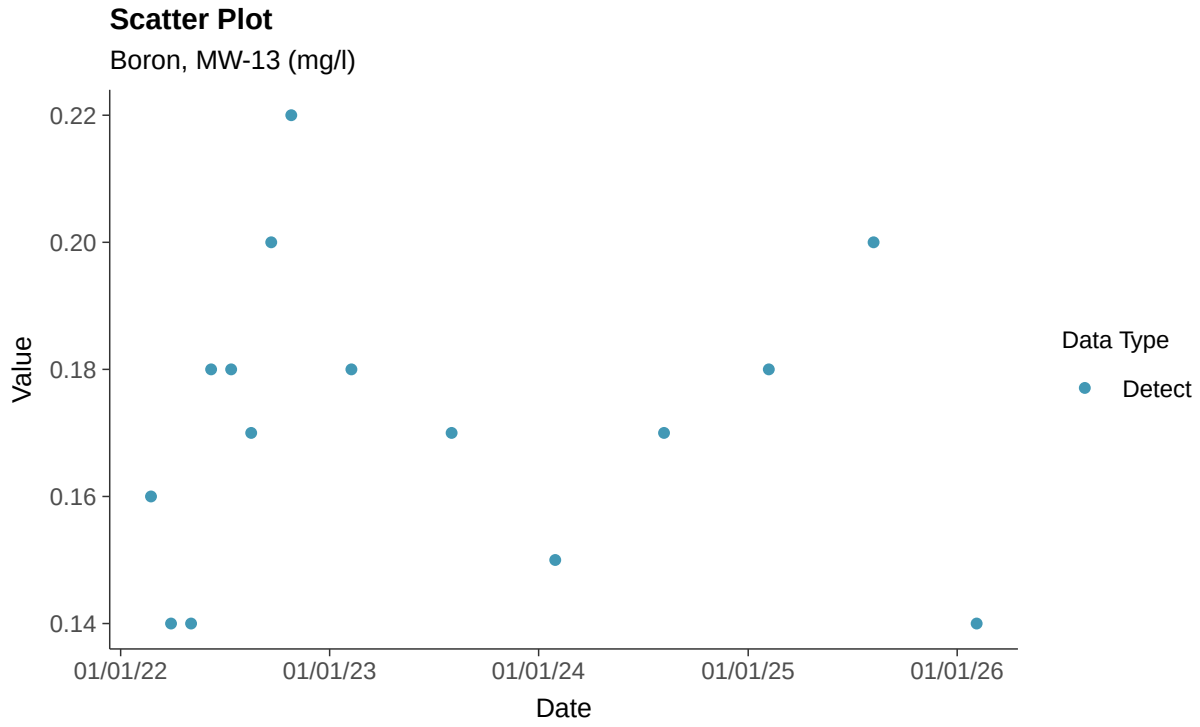
Trend Regression: Piecewise Linear-Linear-Linear

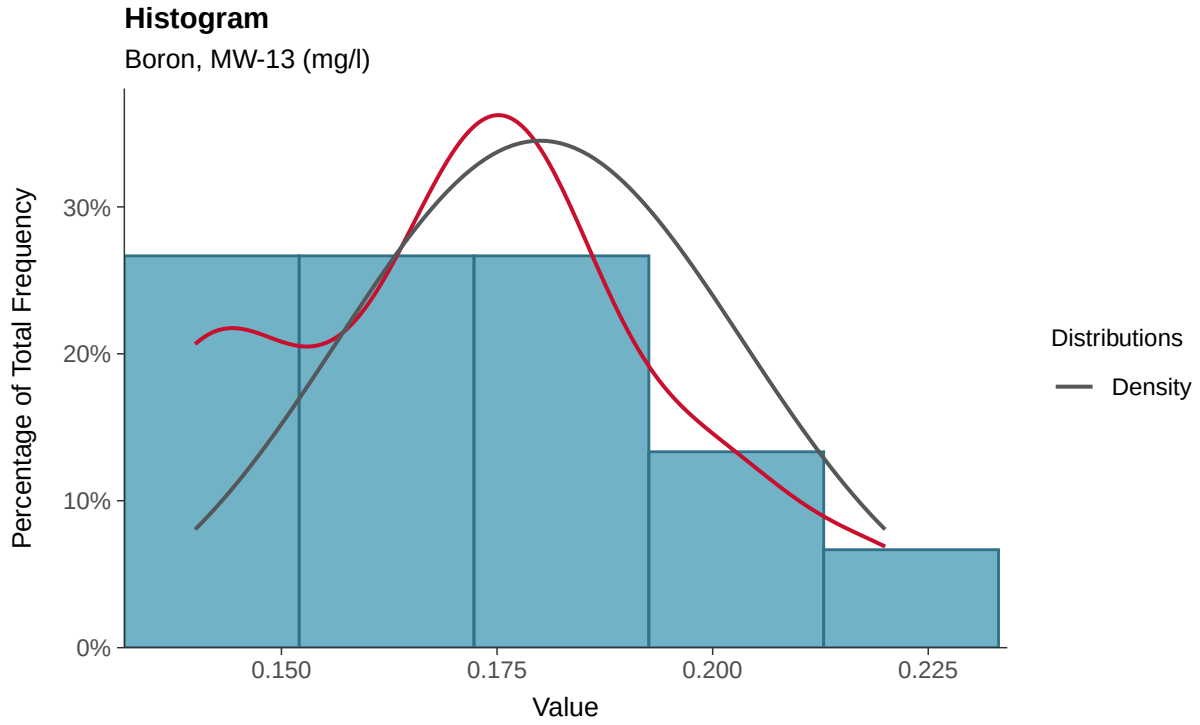
Zinc, MW-10 (mg/l)



Appendix III: Boron, MW-13

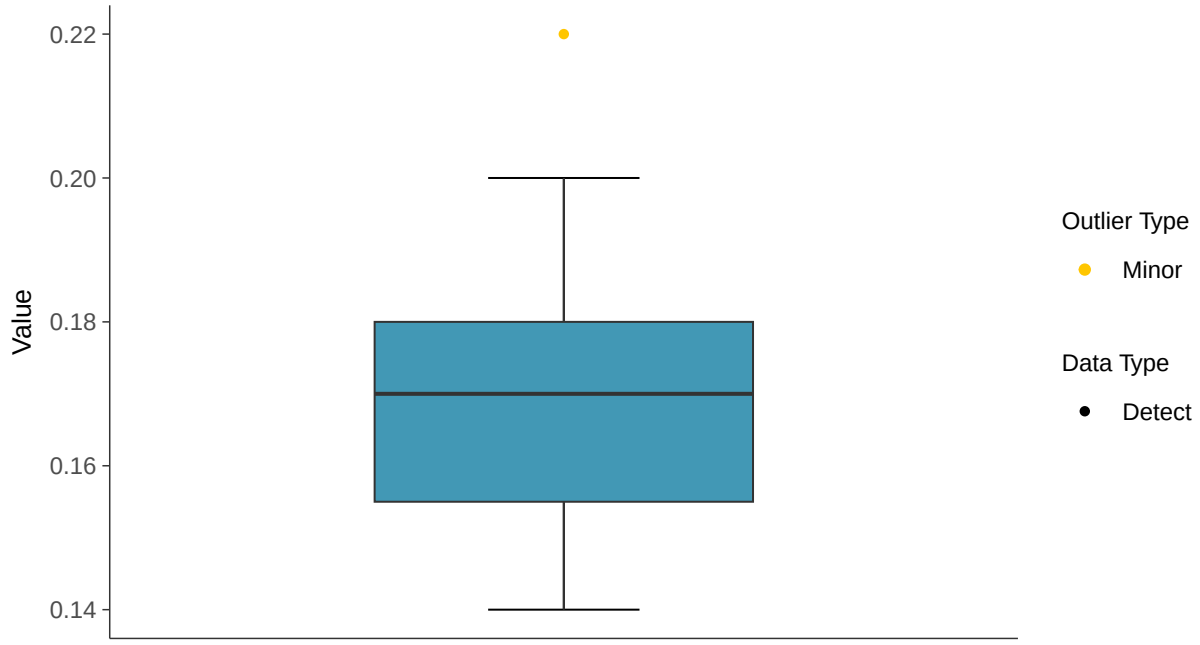
ID: 20_2_105





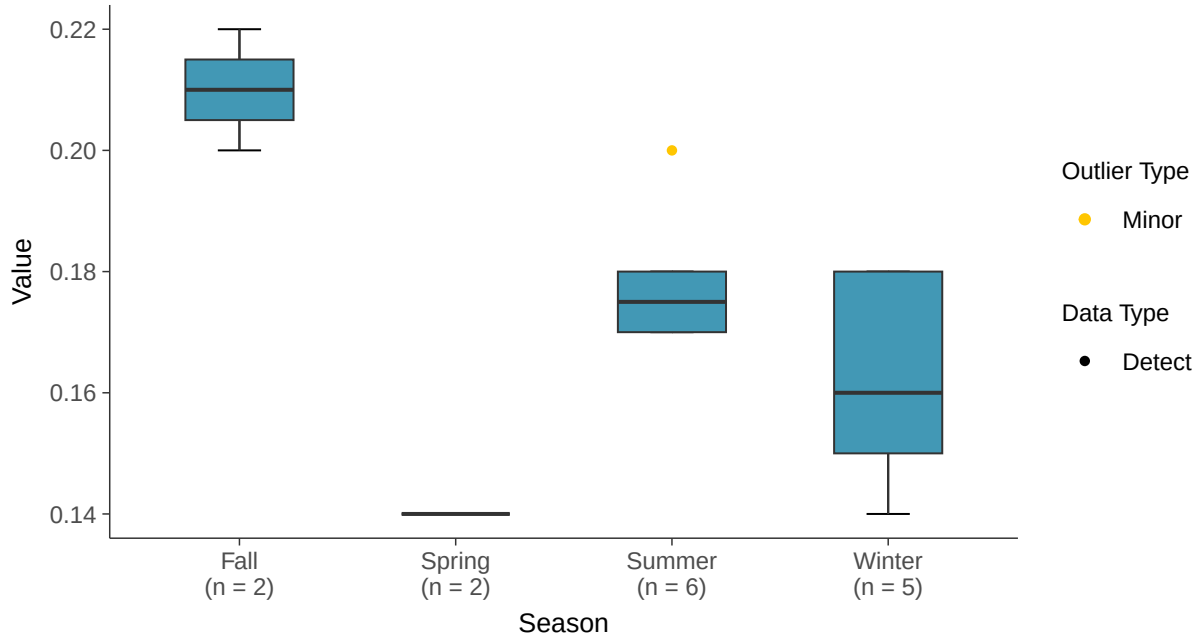
Boxplot

Boron, MW-13 (mg/l)



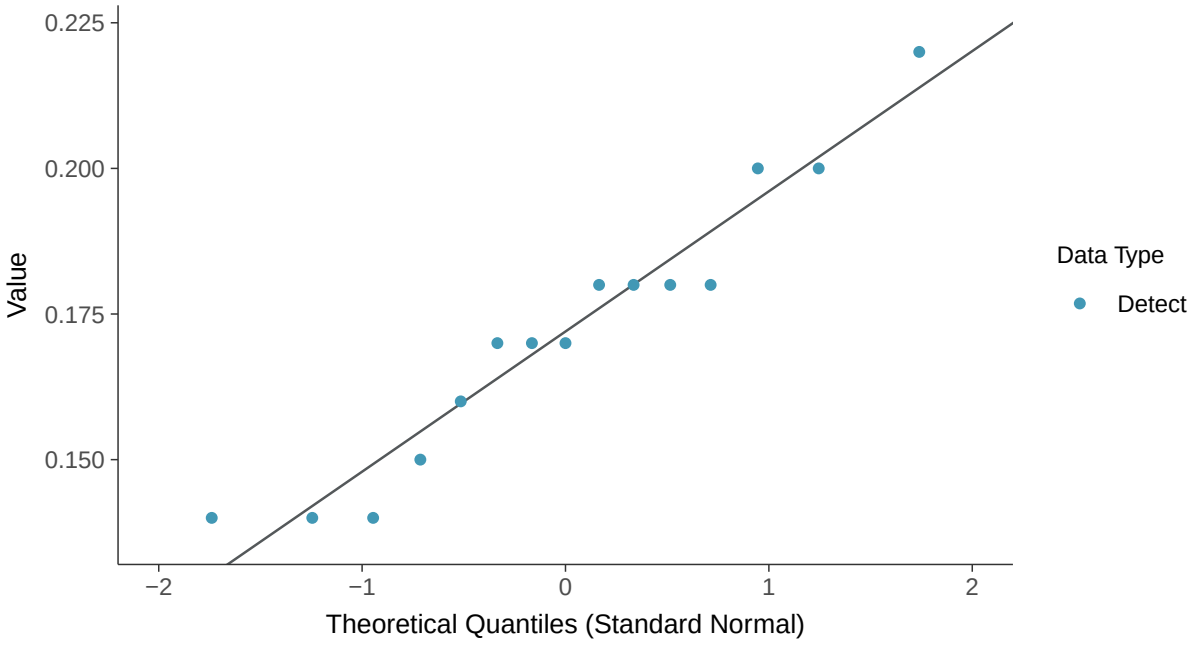
Boxplot by Season

Boron, MW-13 (mg/l)



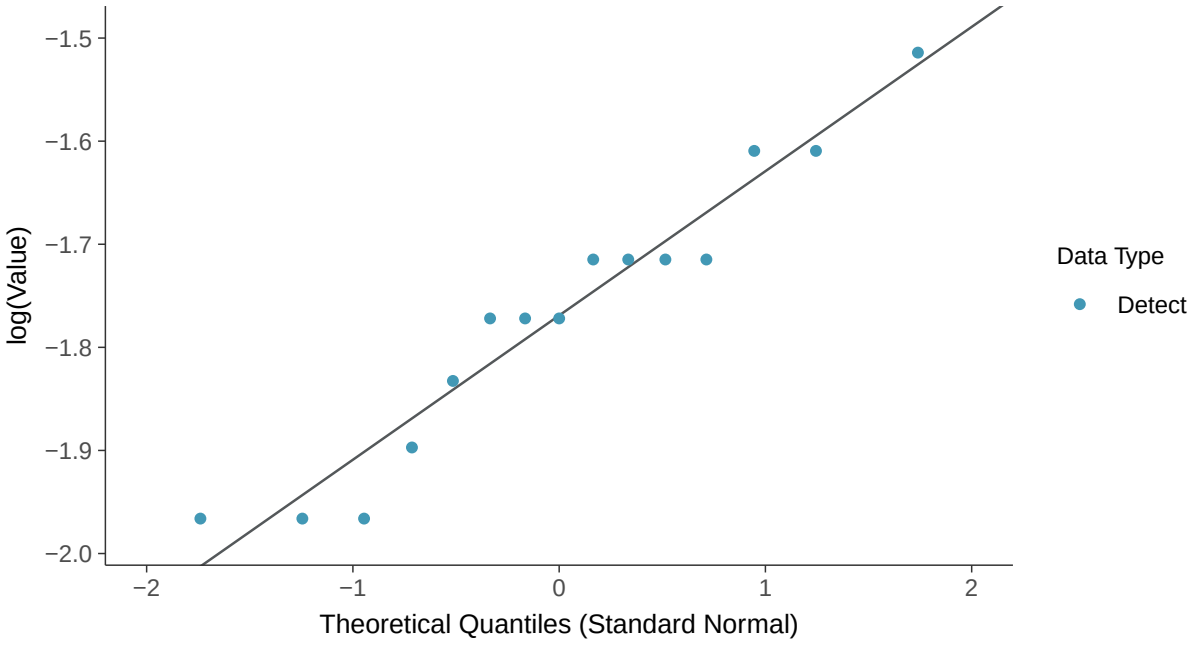
Normal Q-Q plot

Boron, MW-13 (mg/l)



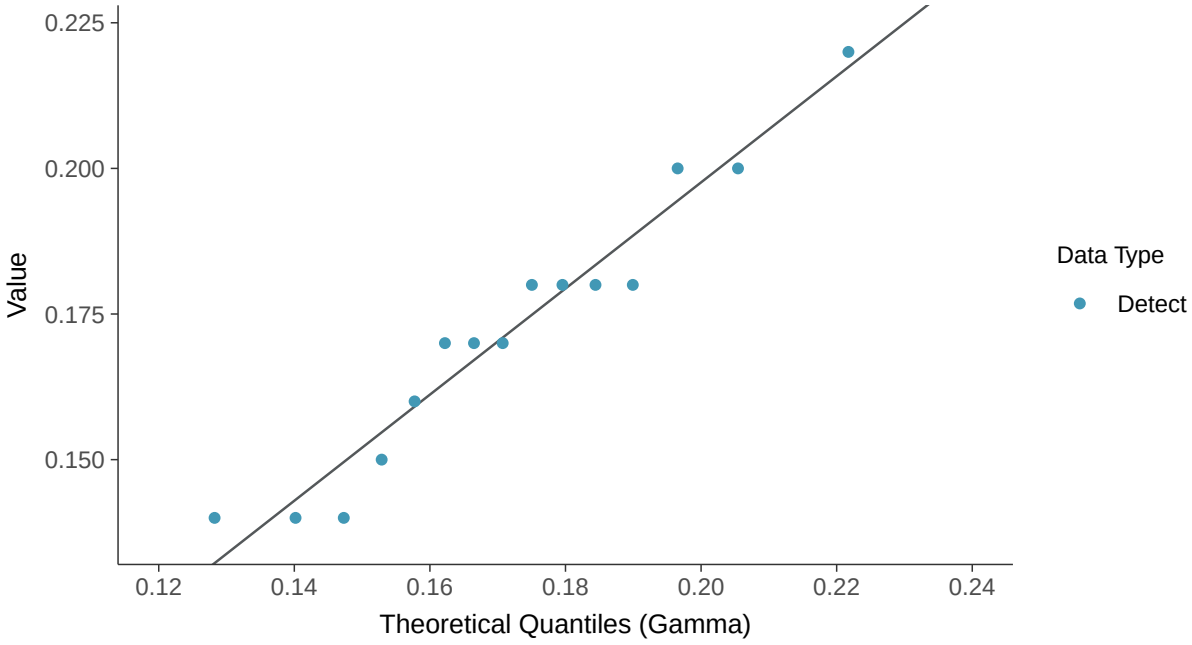
Lognormal Q-Q plot

Boron, MW-13 (mg/l)



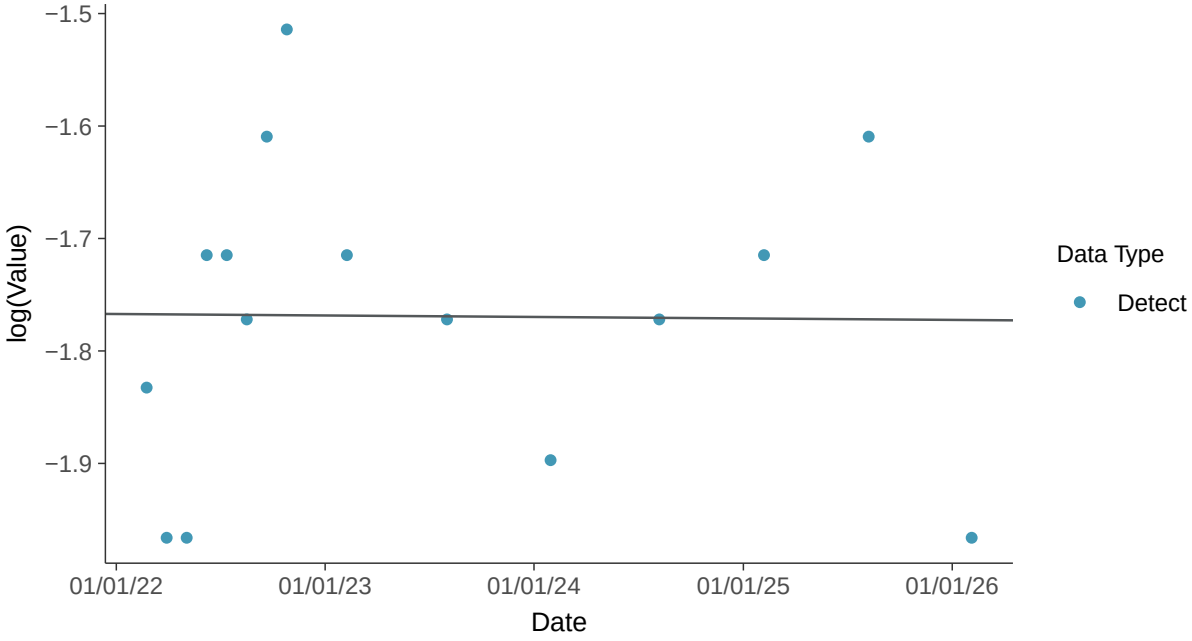
Gamma Q-Q plot

Boron, MW-13 (mg/l)



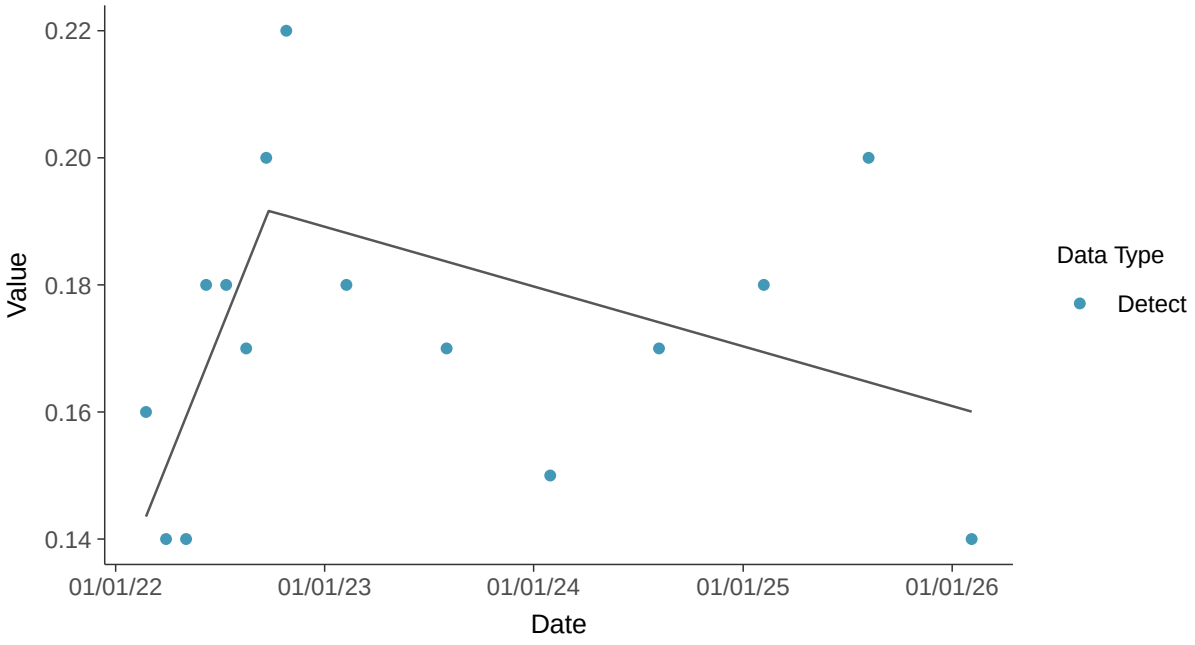
Trend Regression: Lognormal MLE

Boron, MW-13 (mg/l)



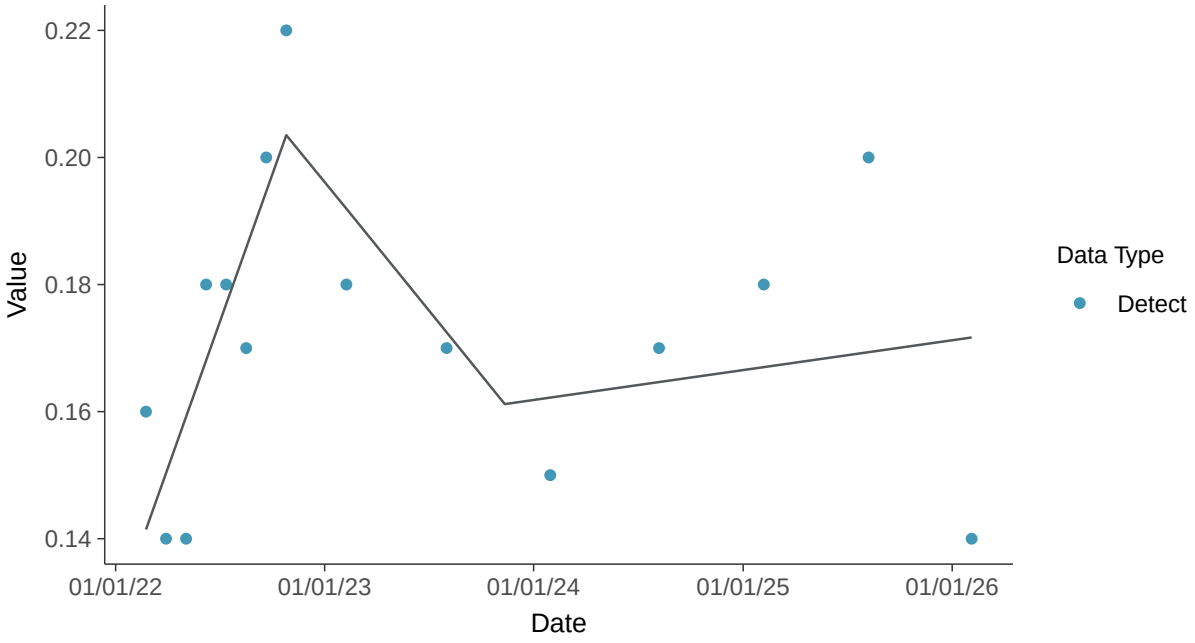
Trend Regression: Piecewise Linear-Linear

Boron, MW-13 (mg/l)



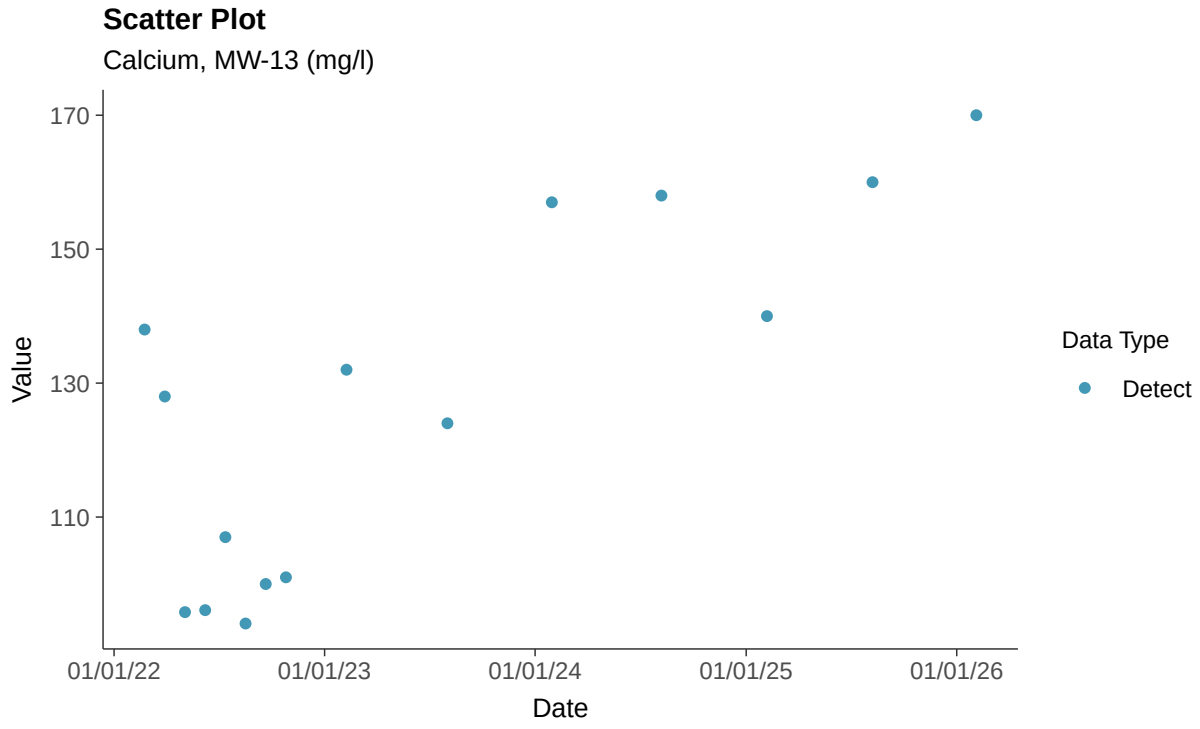
Trend Regression: Piecewise Linear-Linear-Linear

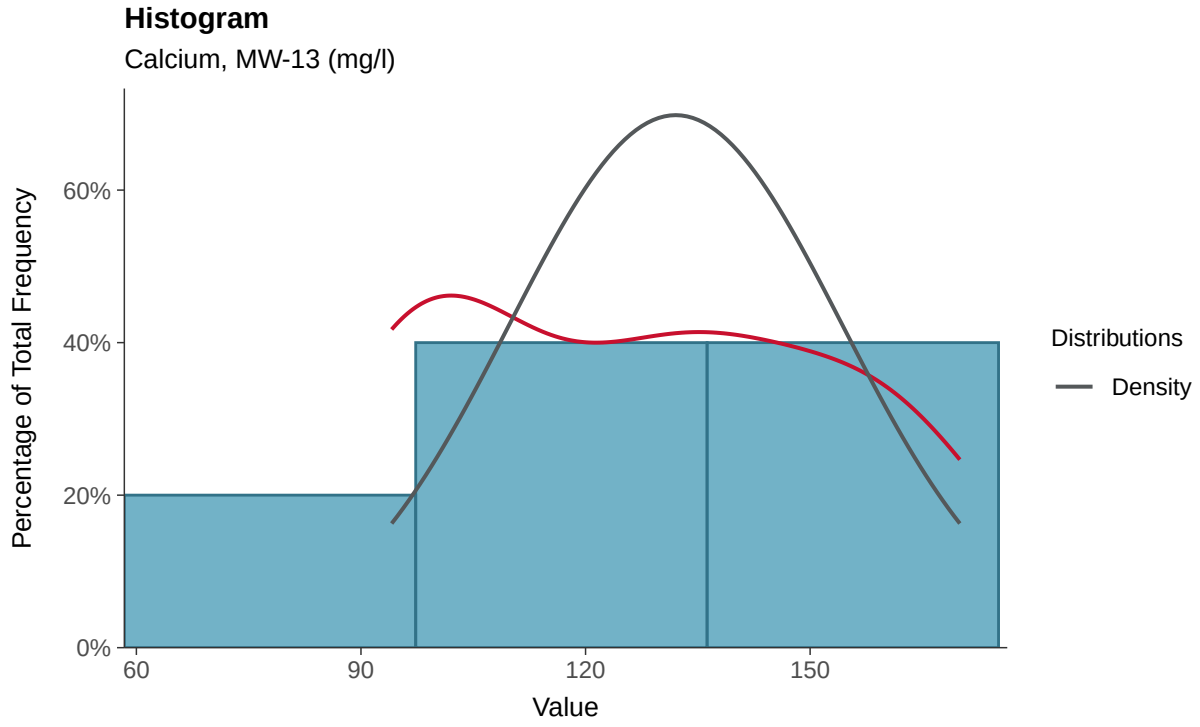
Boron, MW-13 (mg/l)



Appendix III: Calcium, MW-13

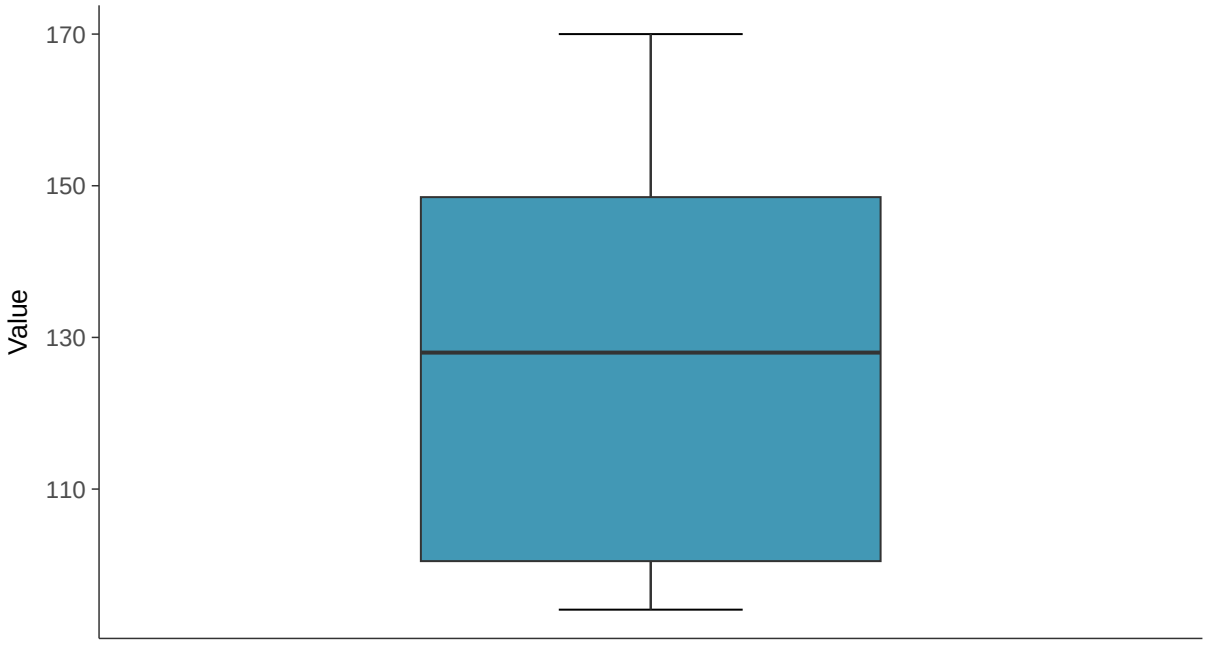
ID: 20_2_107





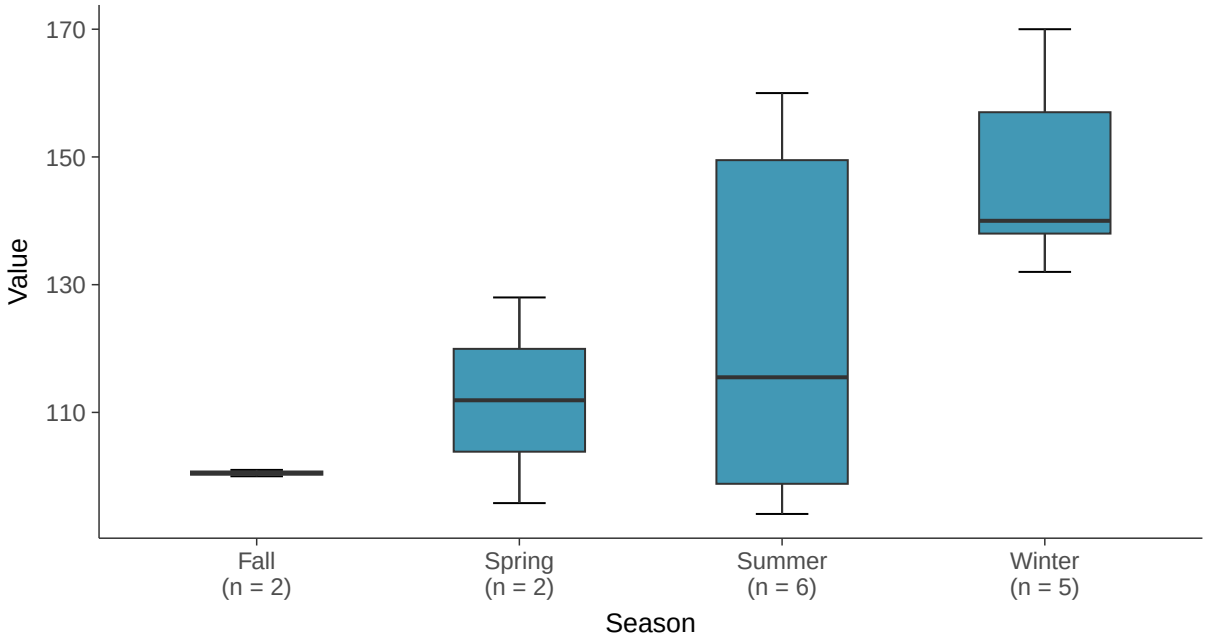
Boxplot

Calcium, MW-13 (mg/l)



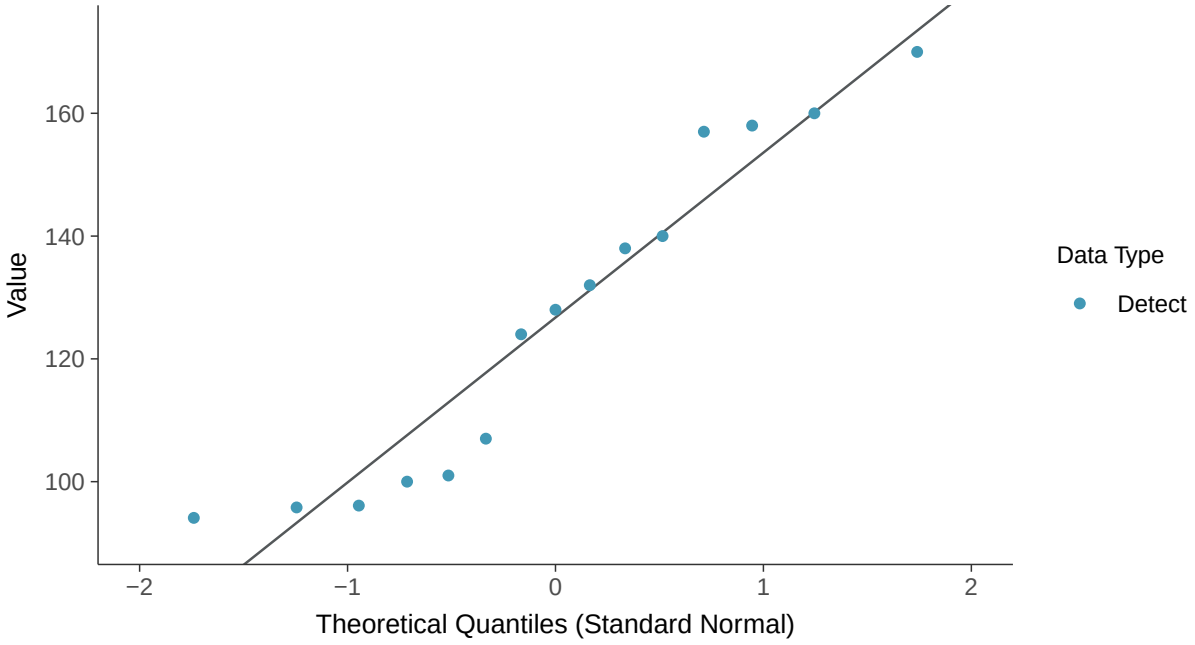
Boxplot by Season

Calcium, MW-13 (mg/l)



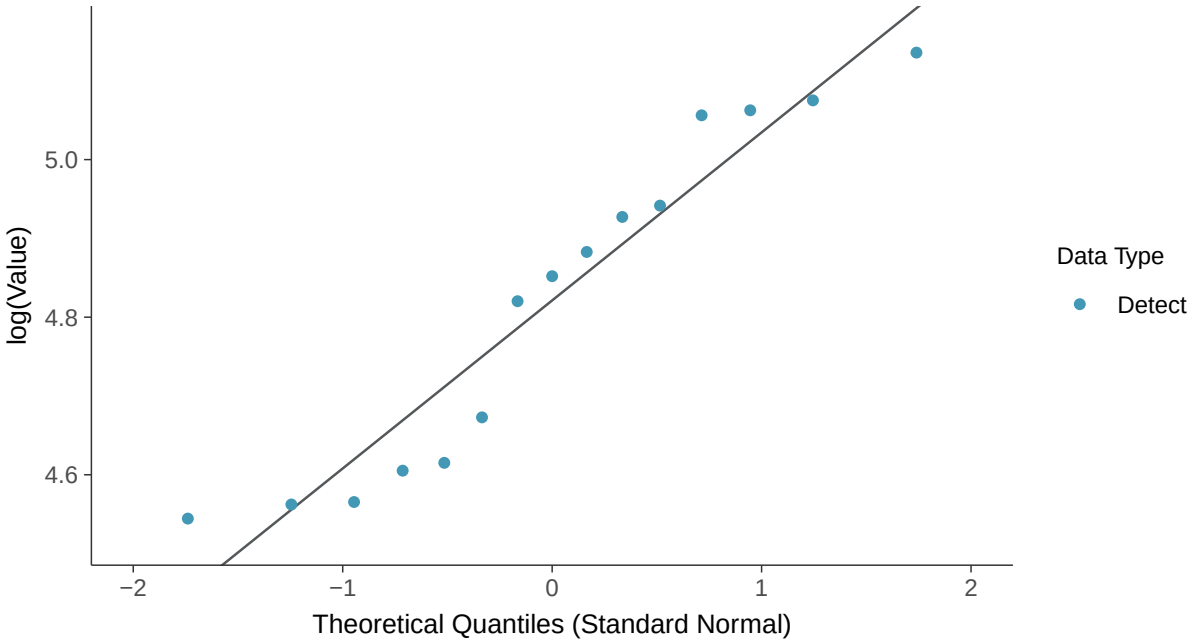
Normal Q-Q plot

Calcium, MW-13 (mg/l)



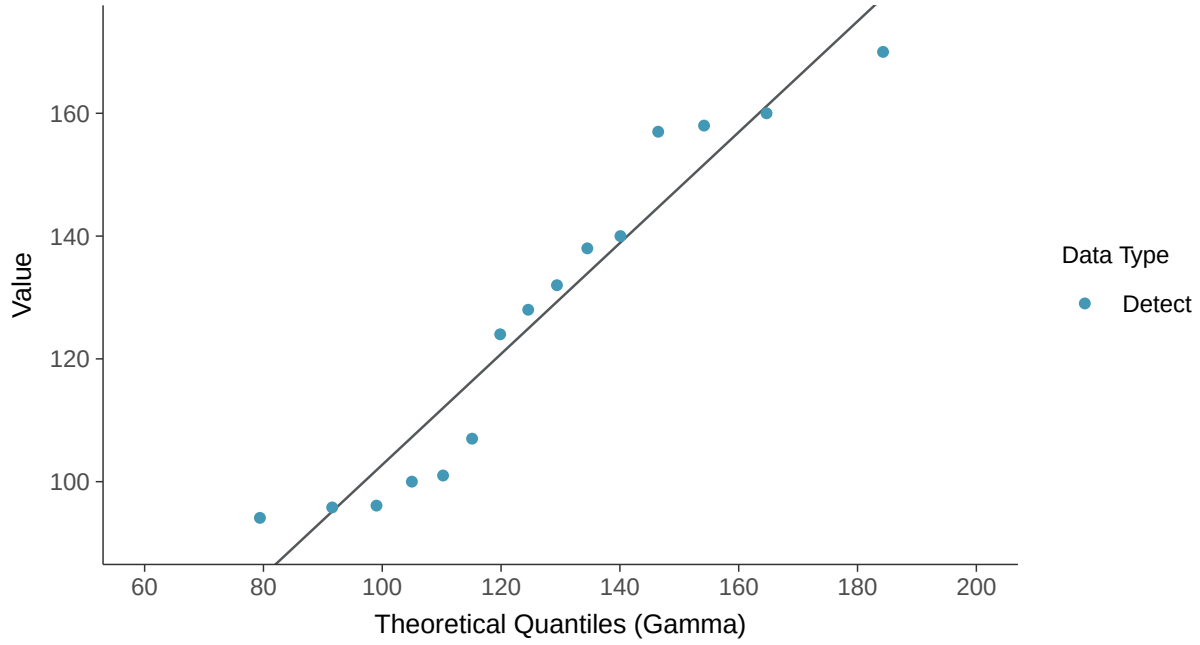
Lognormal Q-Q plot

Calcium, MW-13 (mg/l)



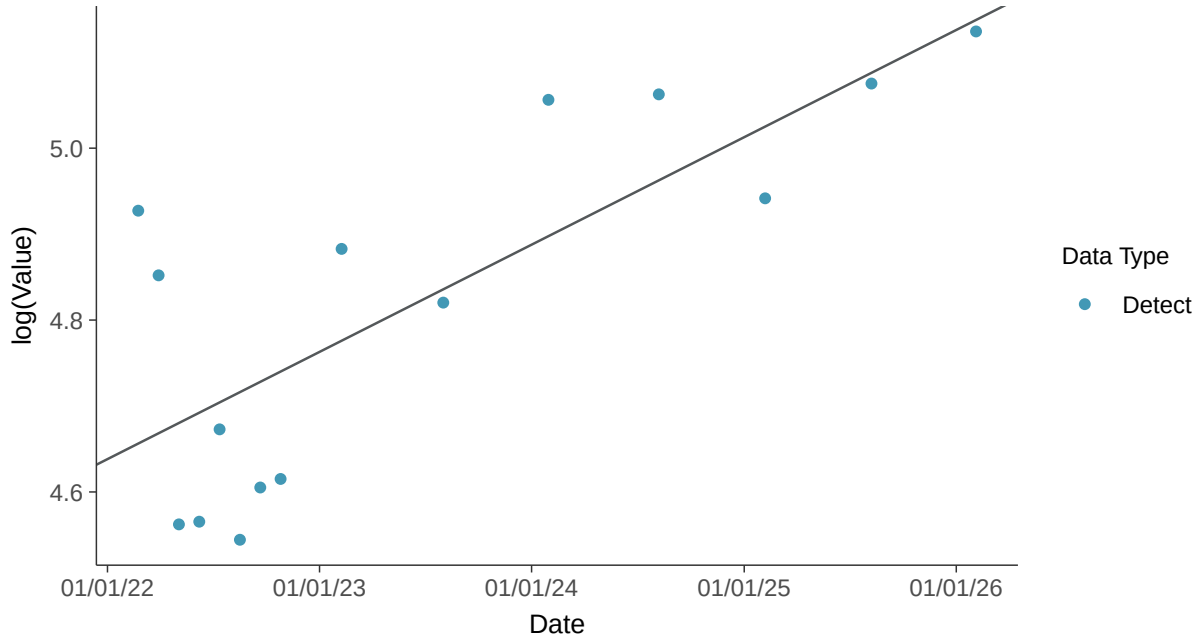
Gamma Q-Q plot

Calcium, MW-13 (mg/l)



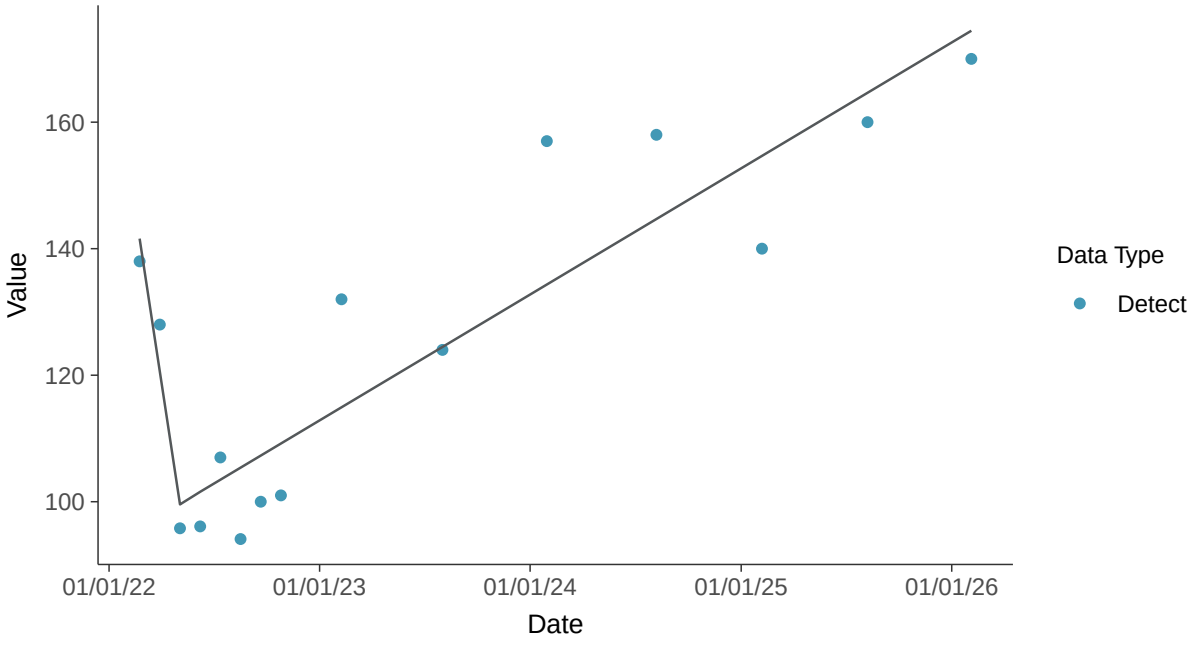
Trend Regression: Lognormal MLE

Calcium, MW-13 (mg/l)



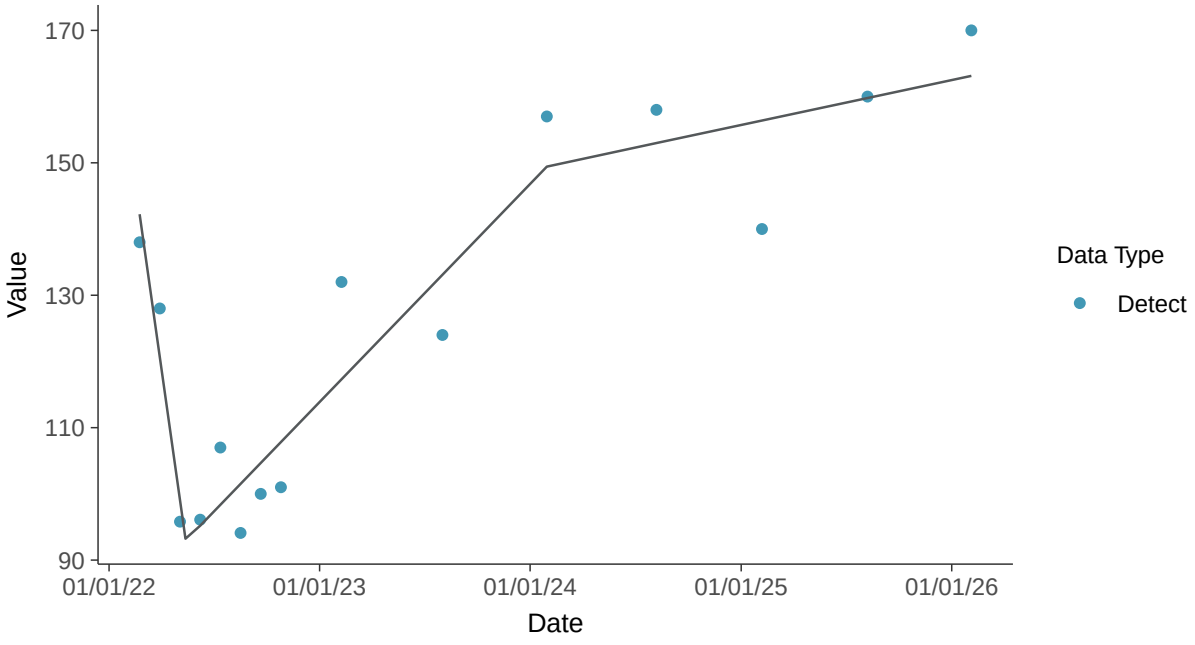
Trend Regression: Piecewise Linear-Linear

Calcium, MW-13 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Calcium, MW-13 (mg/l)

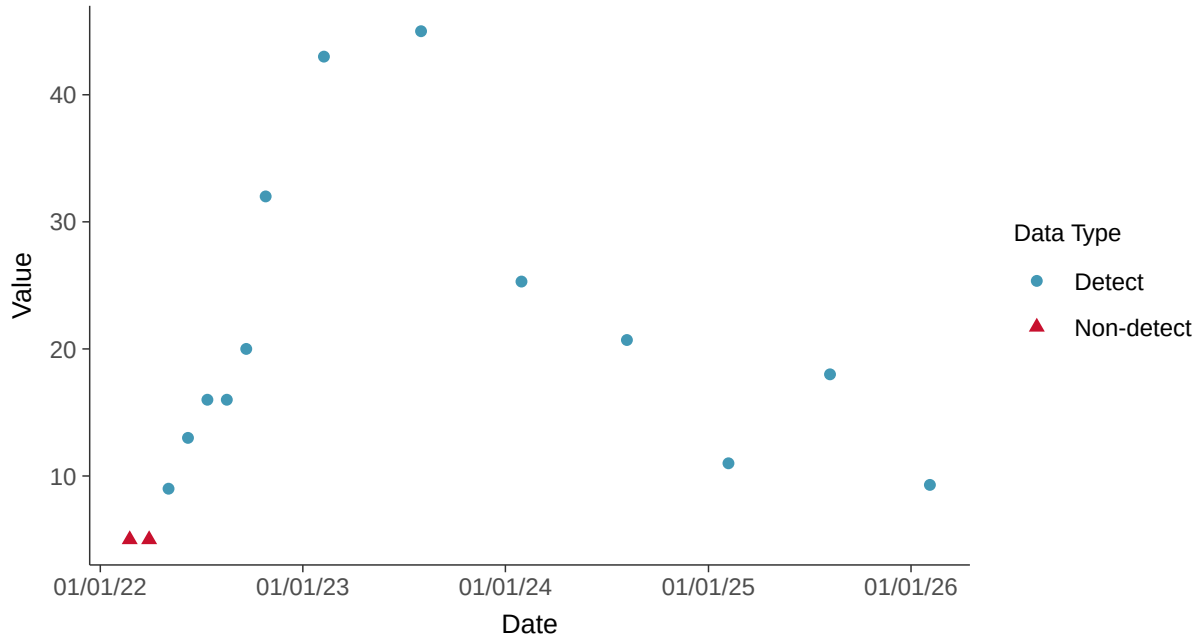


Appendix III: Chloride, MW-13

ID: 20_2_108

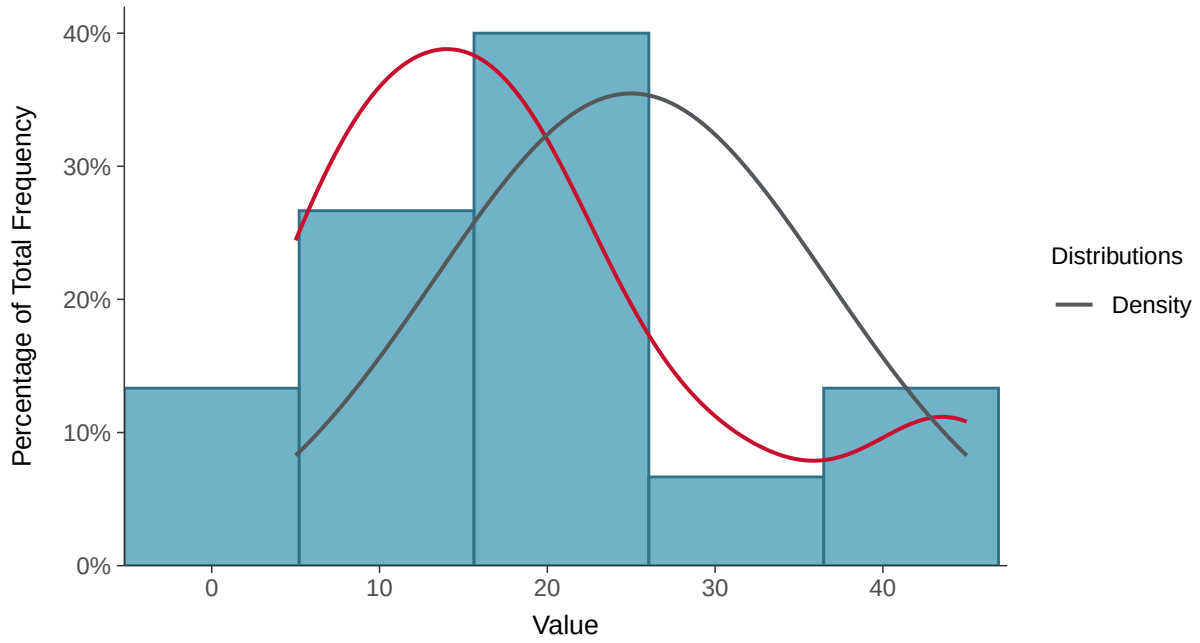
Scatter Plot

Chloride, MW-13 (mg/l)



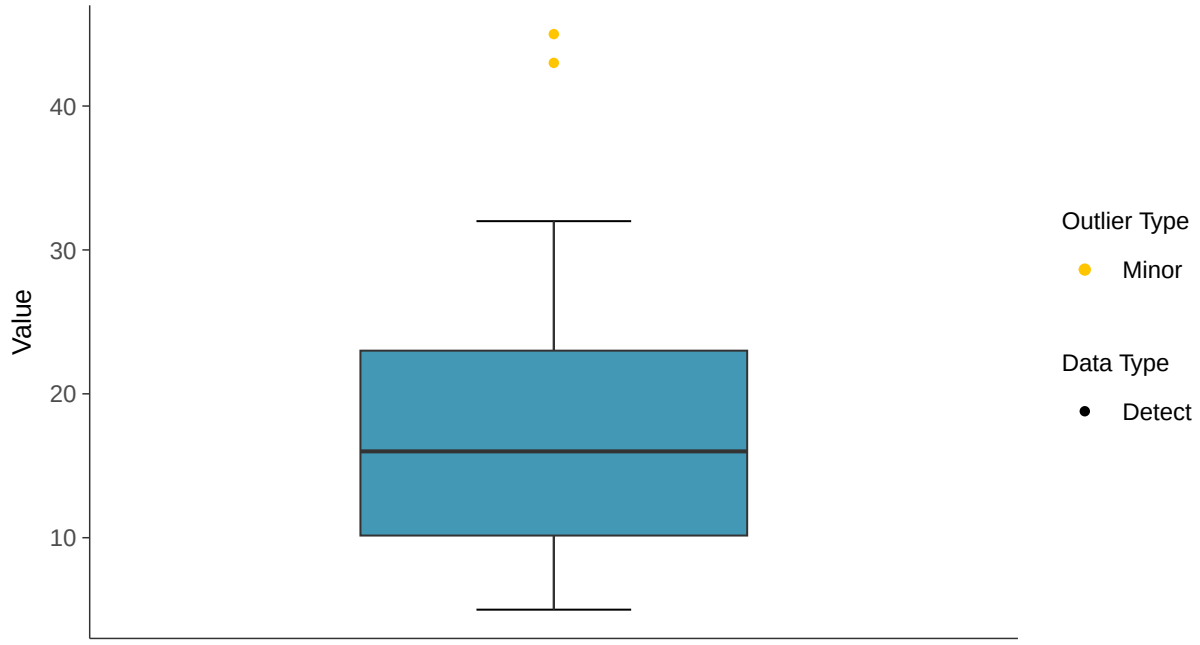
Histogram

Chloride, MW-13 (mg/l)



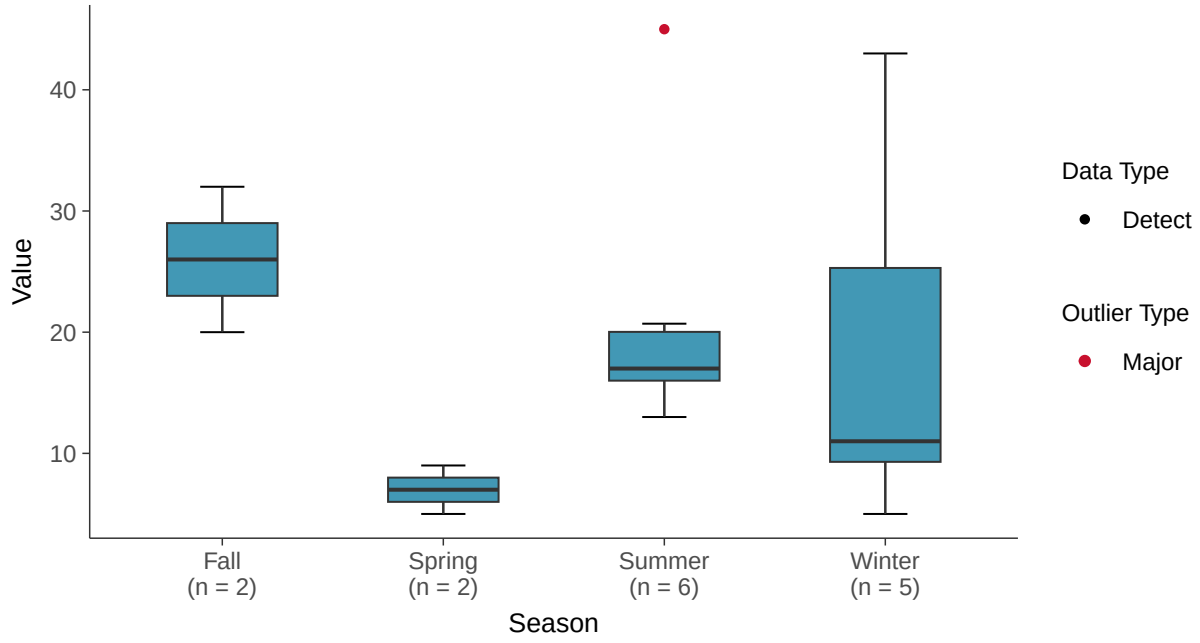
Boxplot

Chloride, MW-13 (mg/l)



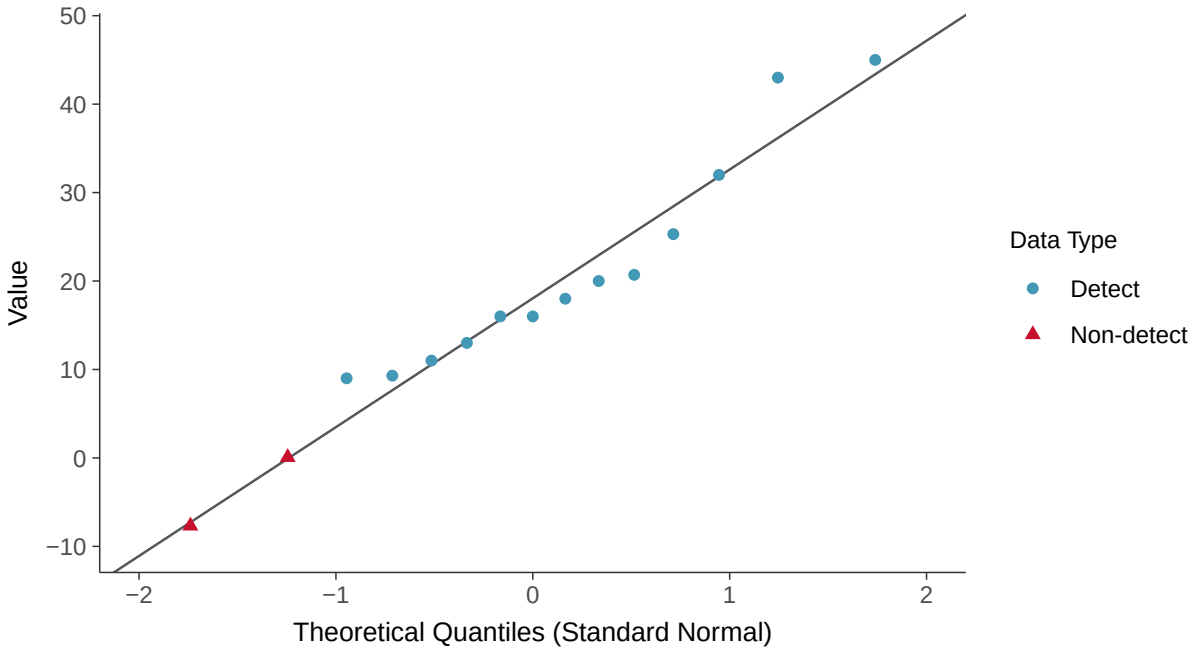
Boxplot by Season

Chloride, MW-13 (mg/l)



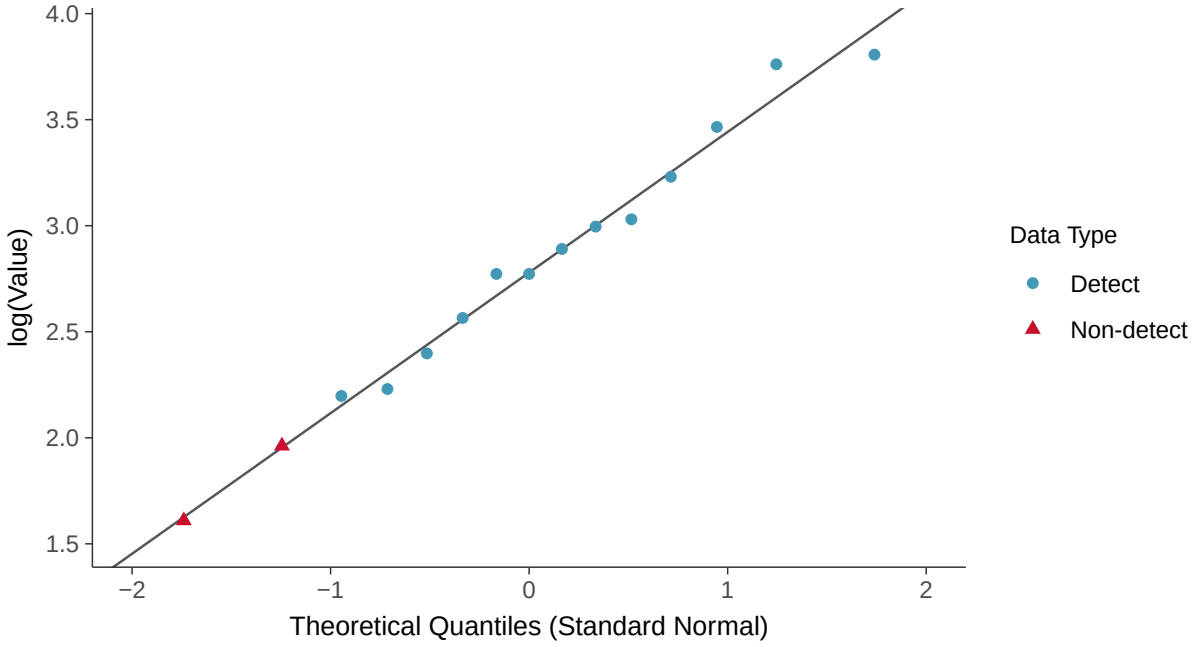
Normal Q-Q plot using ROS Imputed Estimates

Chloride, MW-13 (mg/l)



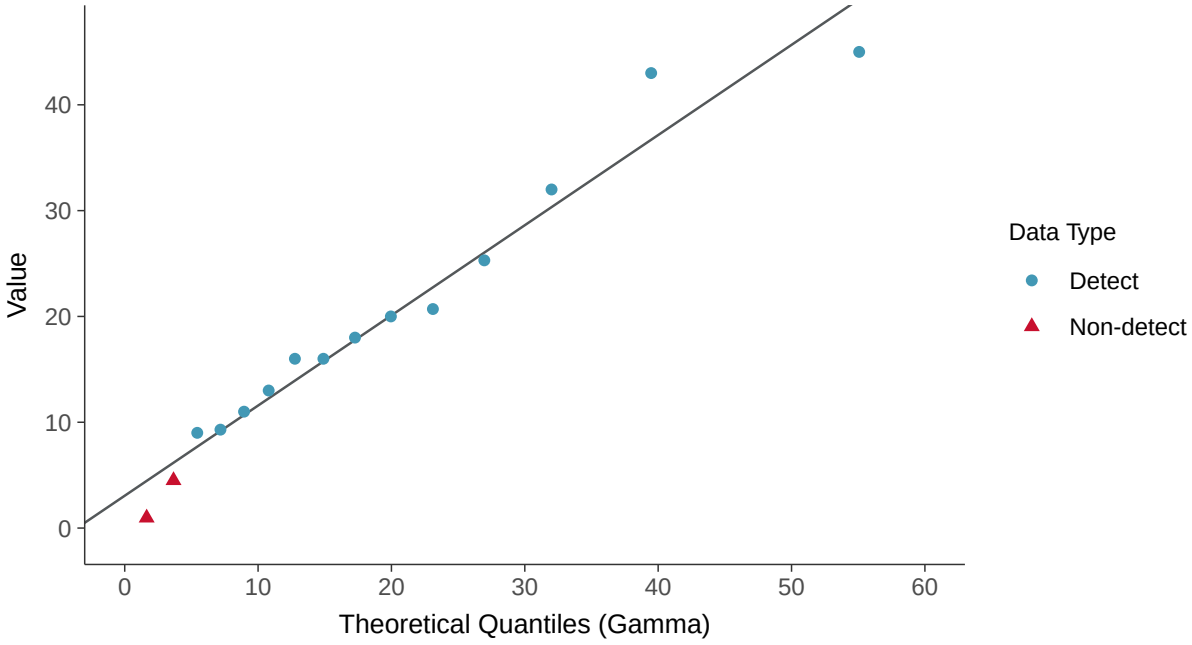
Lognormal Q-Q plot using ROS Imputed Estimates

Chloride, MW-13 (mg/l)



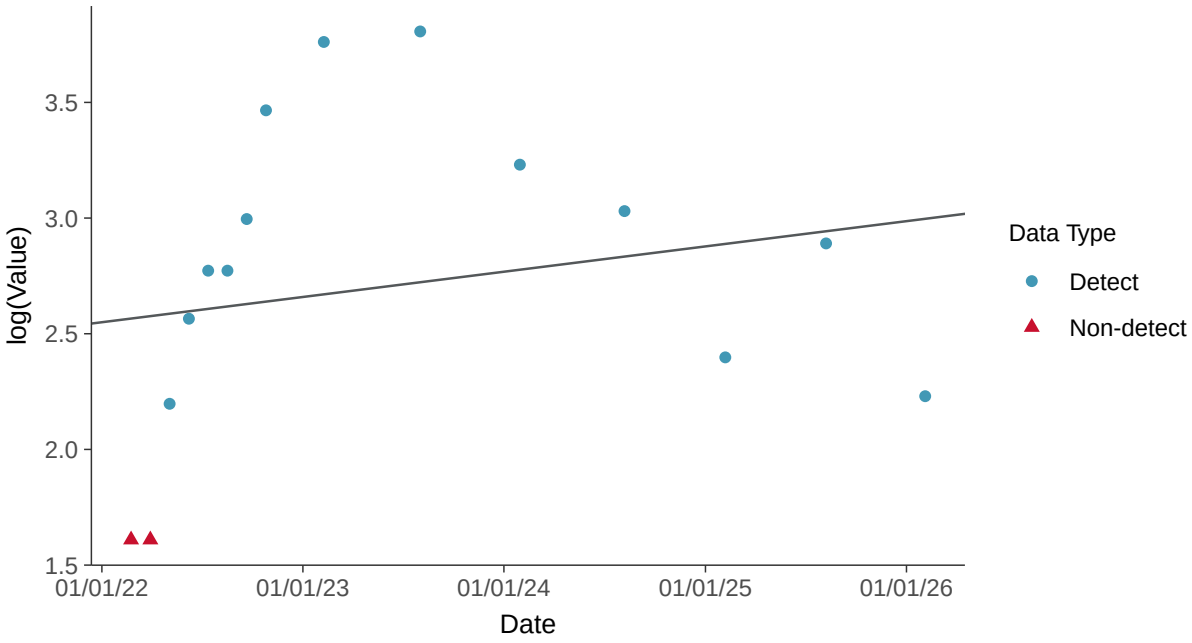
Gamma Q-Q plot using ROS Imputed Estimates

Chloride, MW-13 (mg/l)



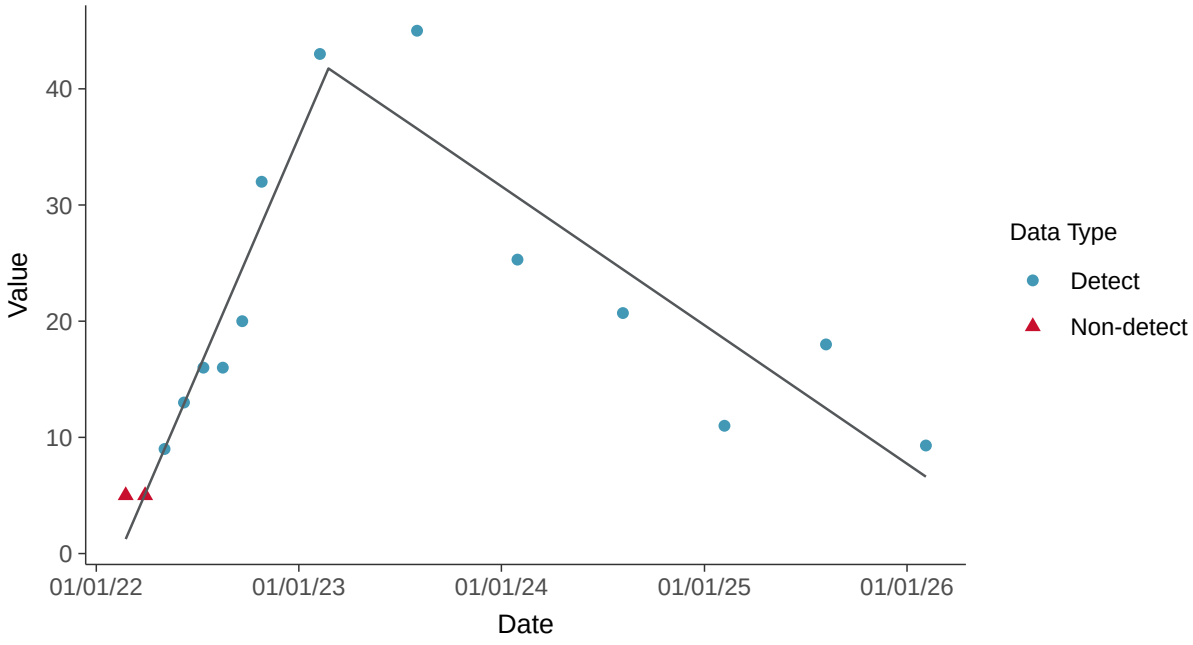
Trend Regression: Lognormal MLE

Chloride, MW-13 (mg/l)



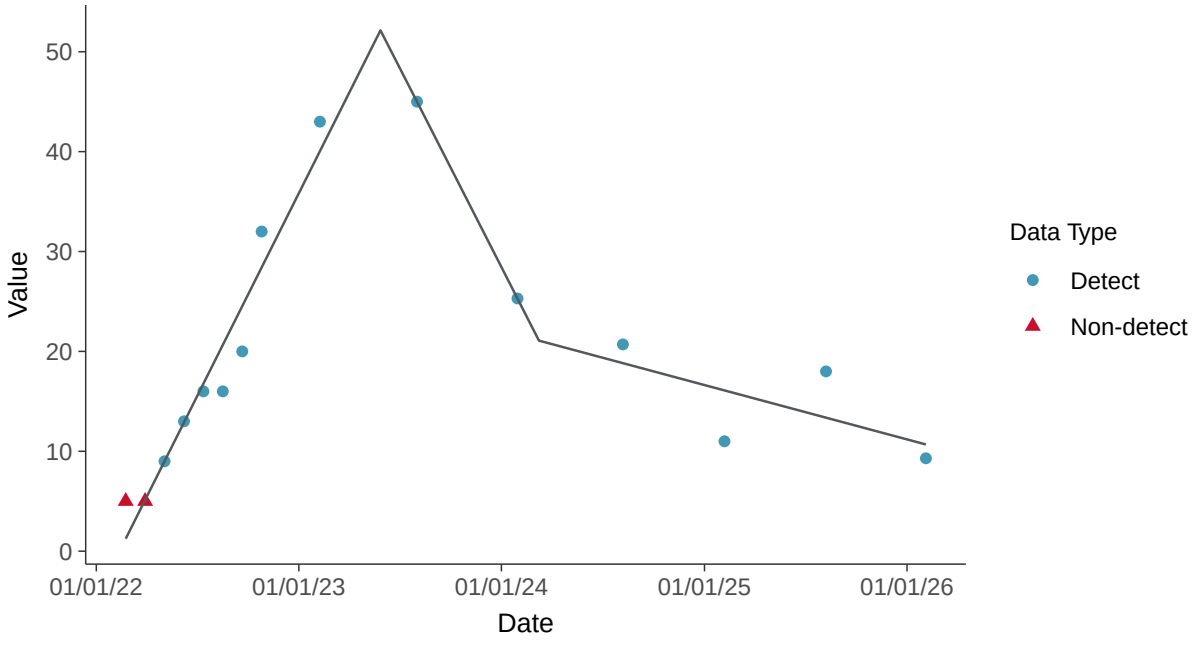
Trend Regression: Piecewise Linear-Linear

Chloride, MW-13 (mg/l)



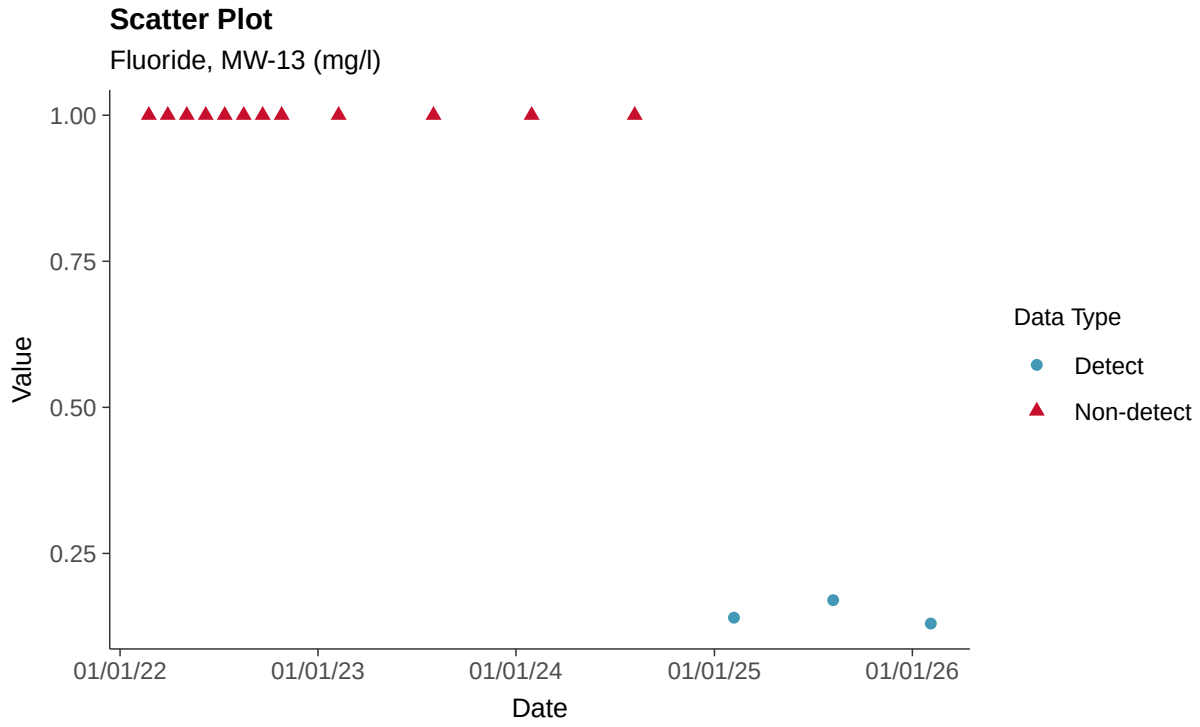
Trend Regression: Piecewise Linear-Linear-Linear

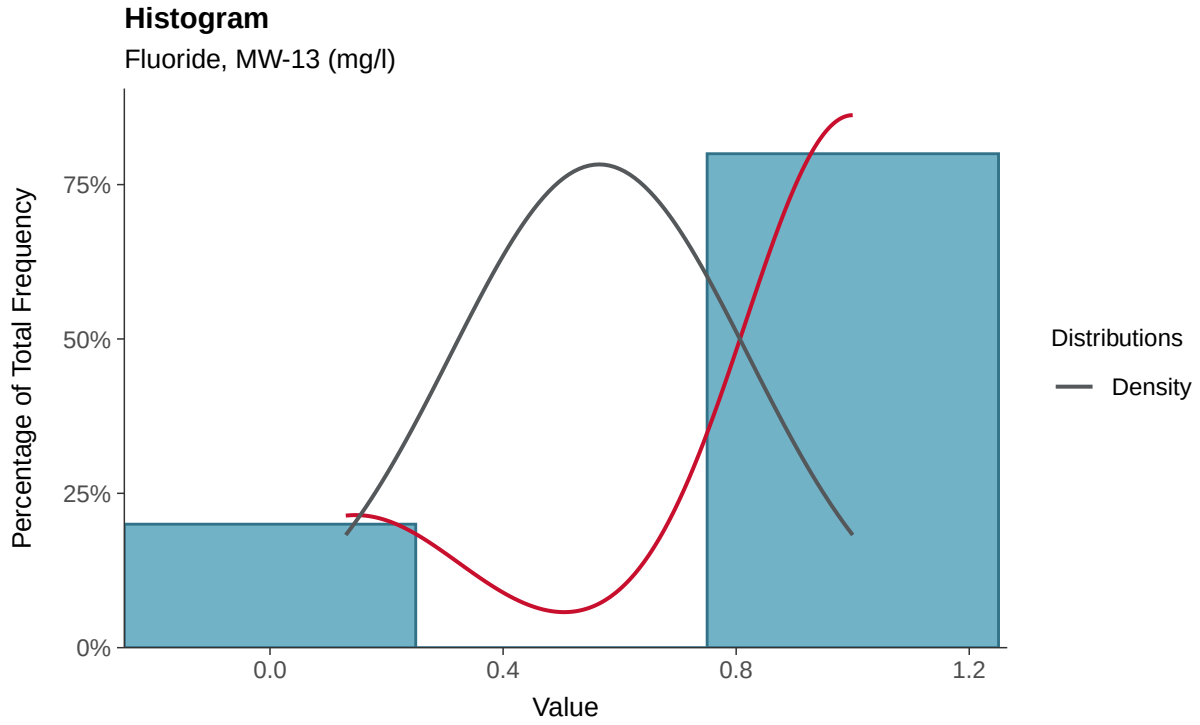
Chloride, MW-13 (mg/l)



Appendix III: Fluoride, MW-13

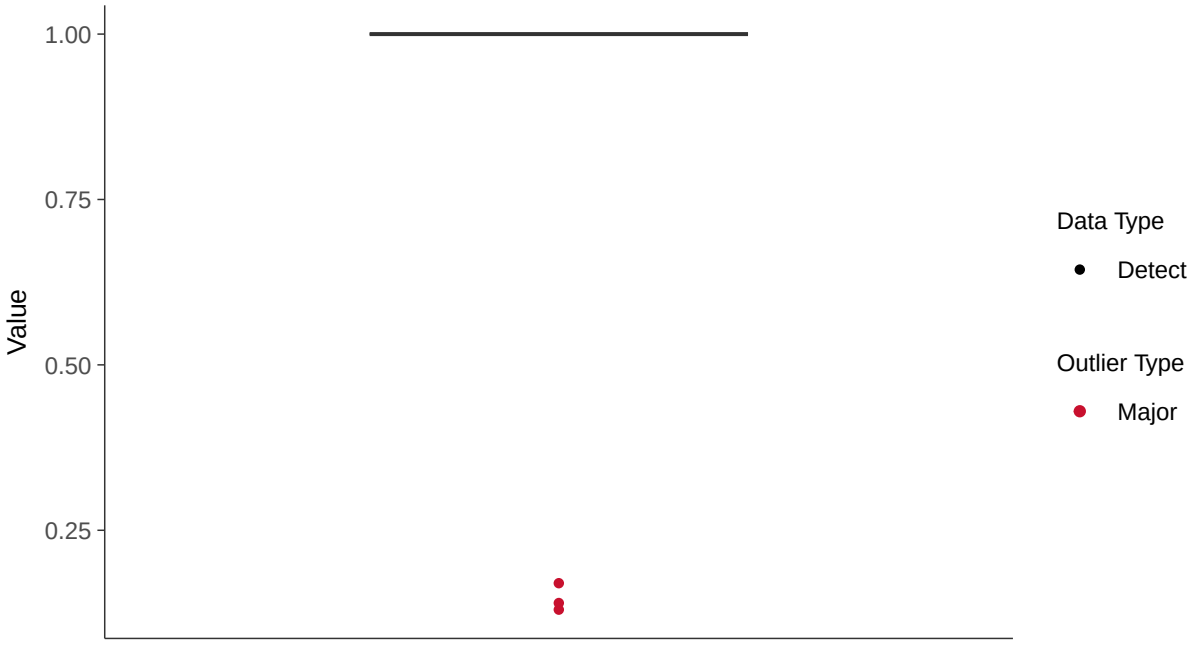
ID: 20_2_112





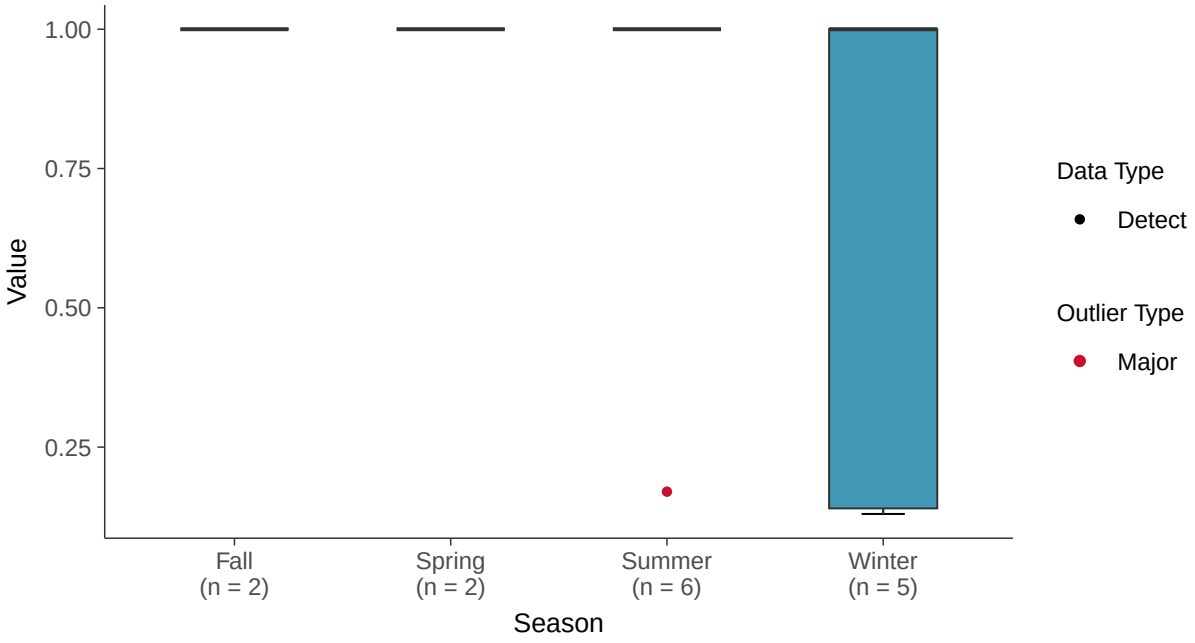
Boxplot

Fluoride, MW-13 (mg/l)



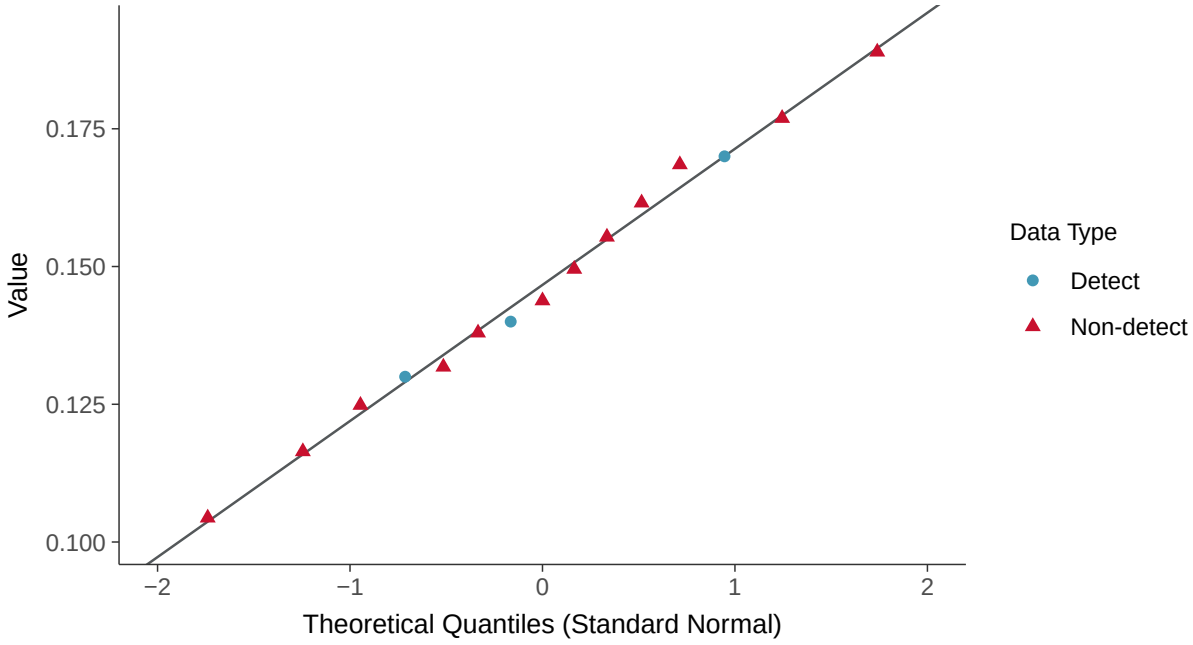
Boxplot by Season

Fluoride, MW-13 (mg/l)



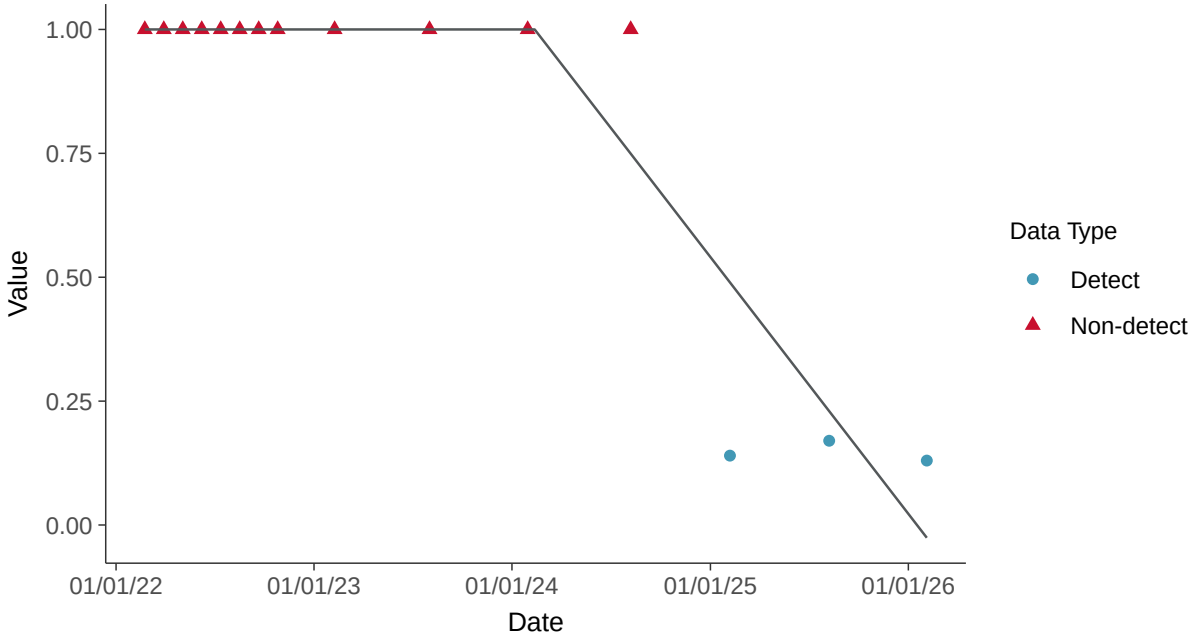
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-13 (mg/l)



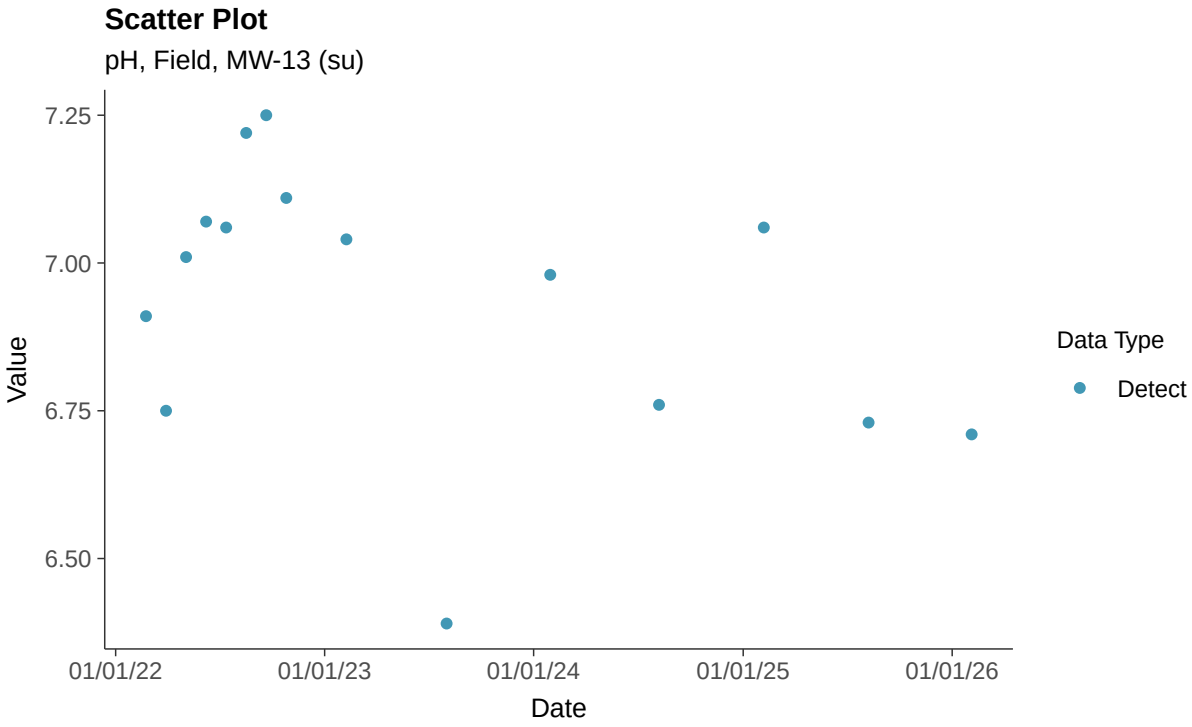
Trend Regression: Piecewise Linear-Linear

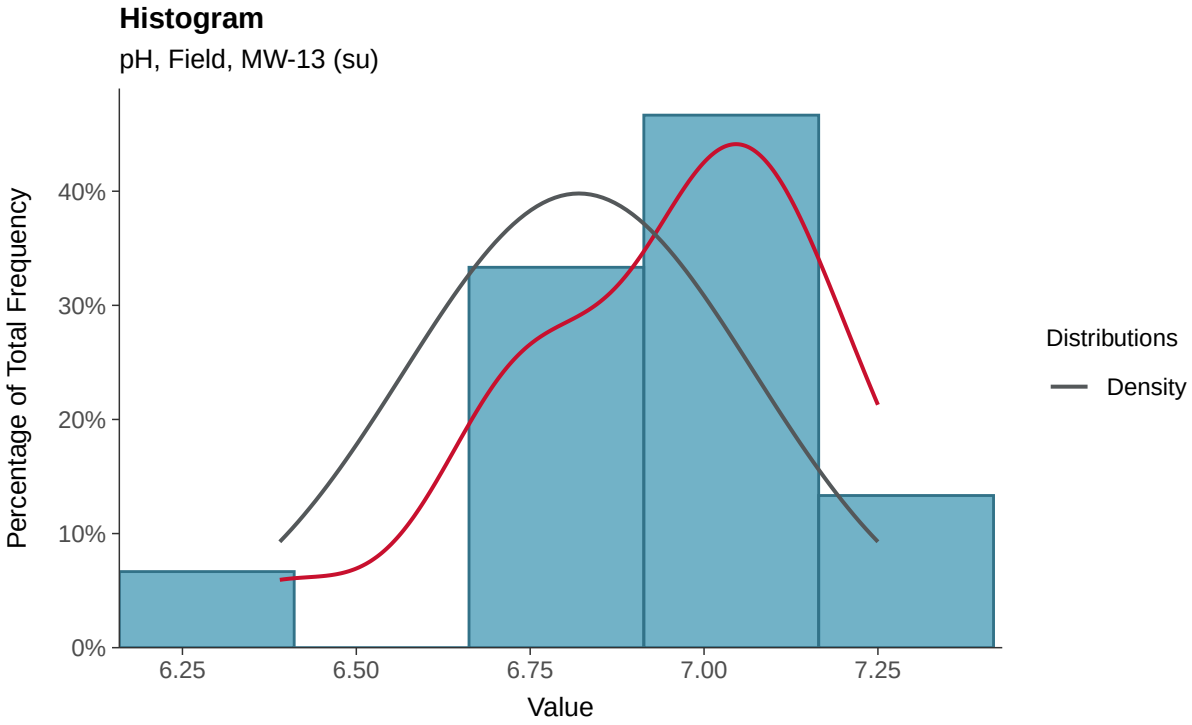
Fluoride, MW-13 (mg/l)



Appendix III: pH, Field, MW-13

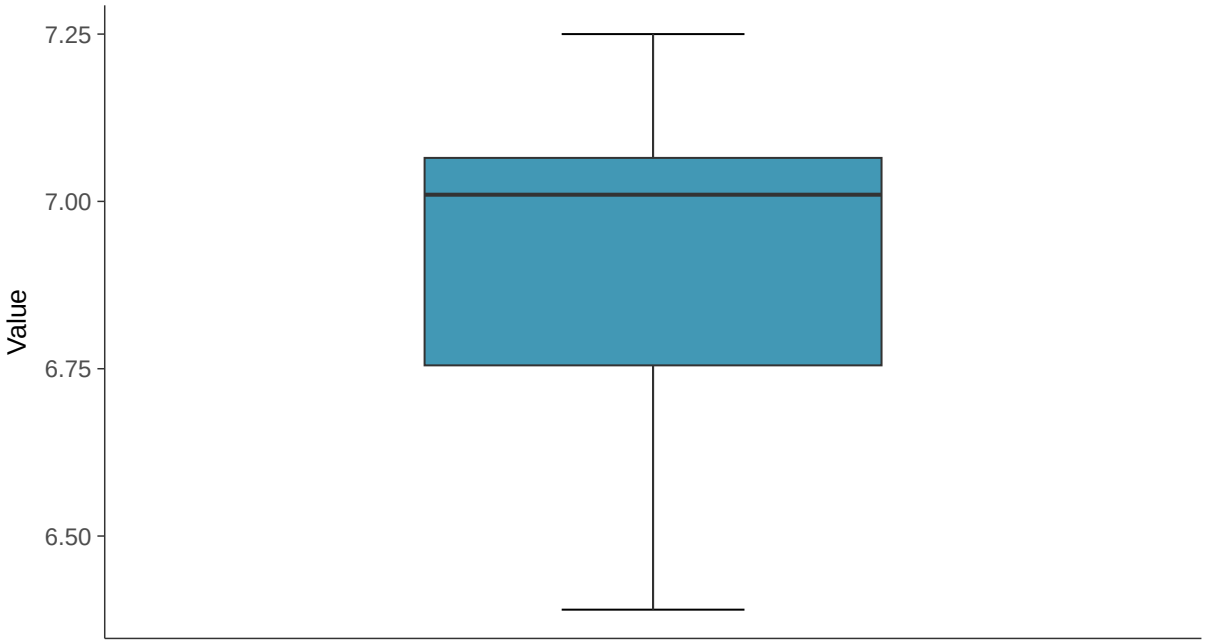
ID: 20_2_120





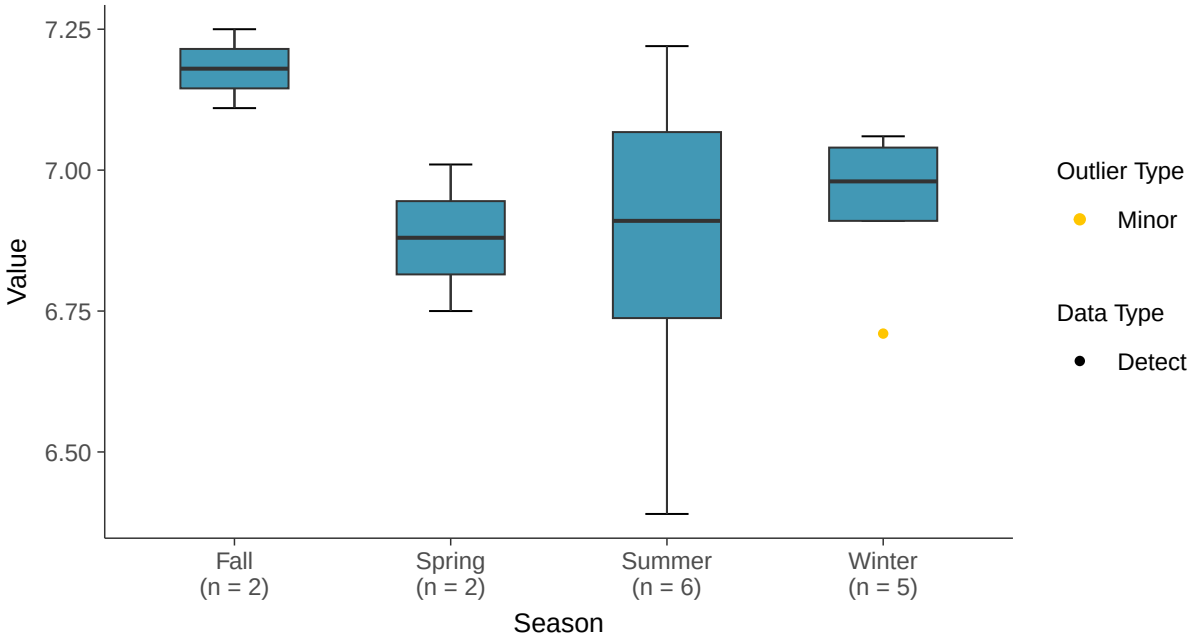
Boxplot

pH, Field, MW-13 (su)



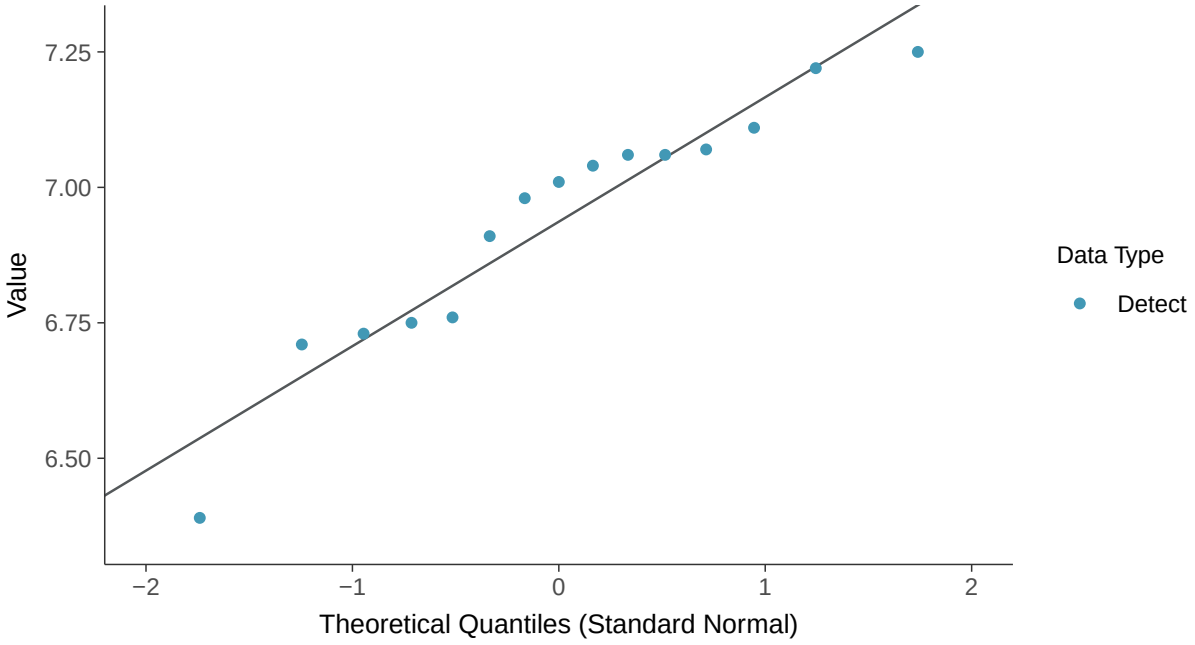
Boxplot by Season

pH, Field, MW-13 (su)



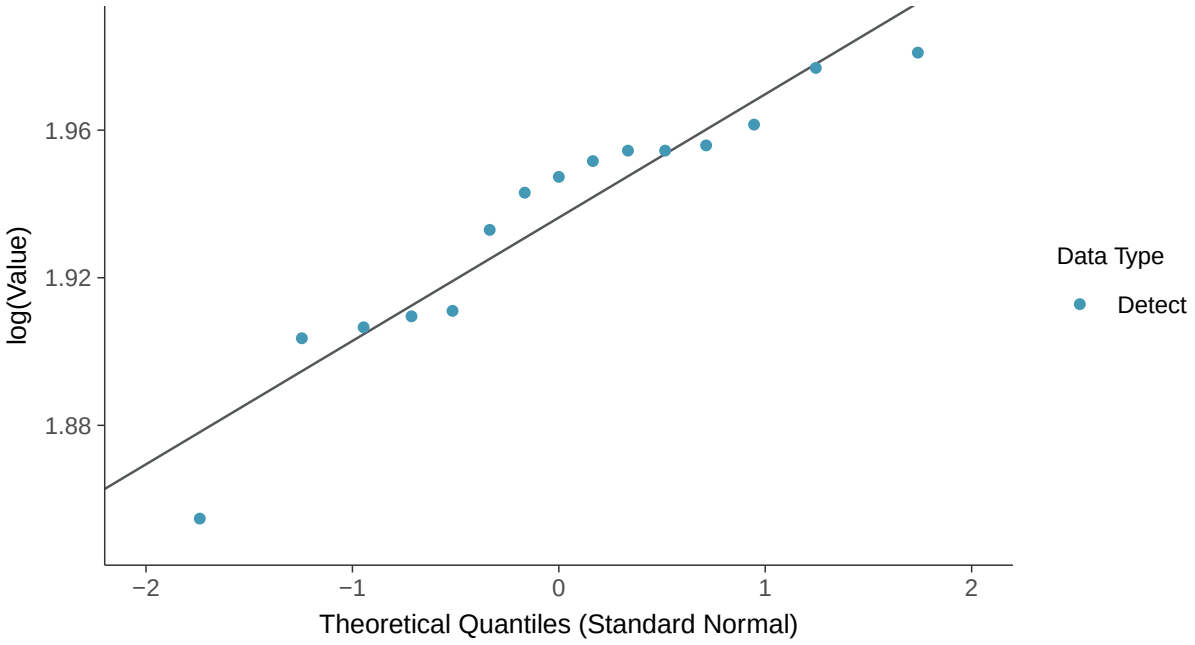
Normal Q-Q plot

pH, Field, MW-13 (su)



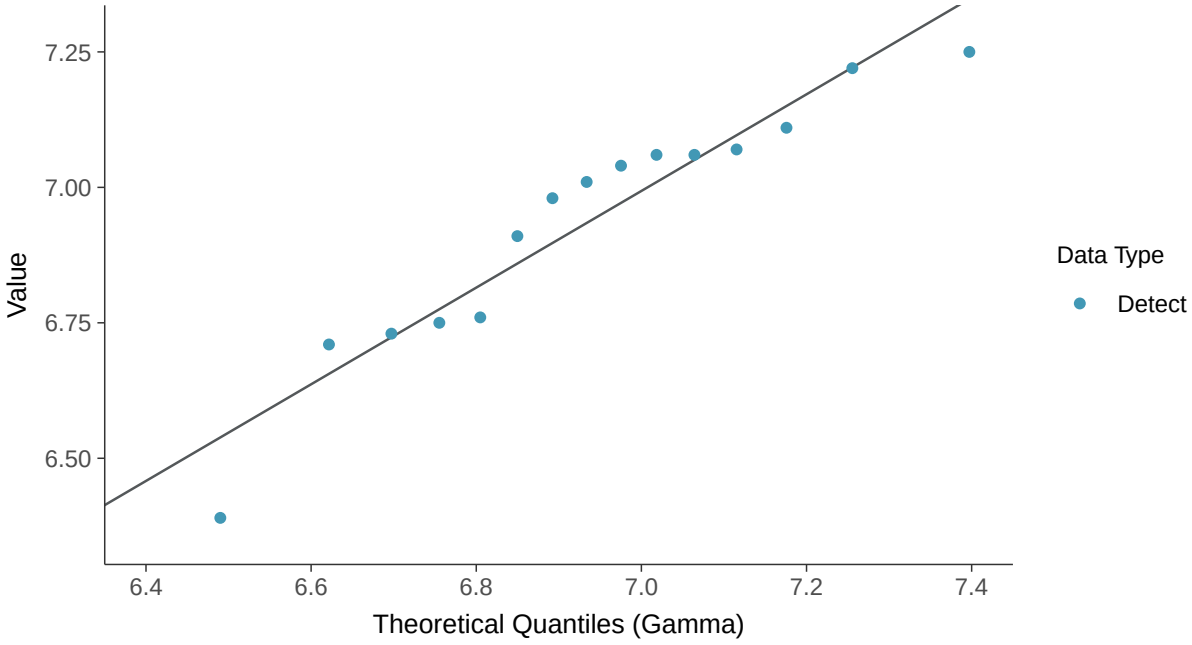
Lognormal Q-Q plot

pH, Field, MW-13 (su)



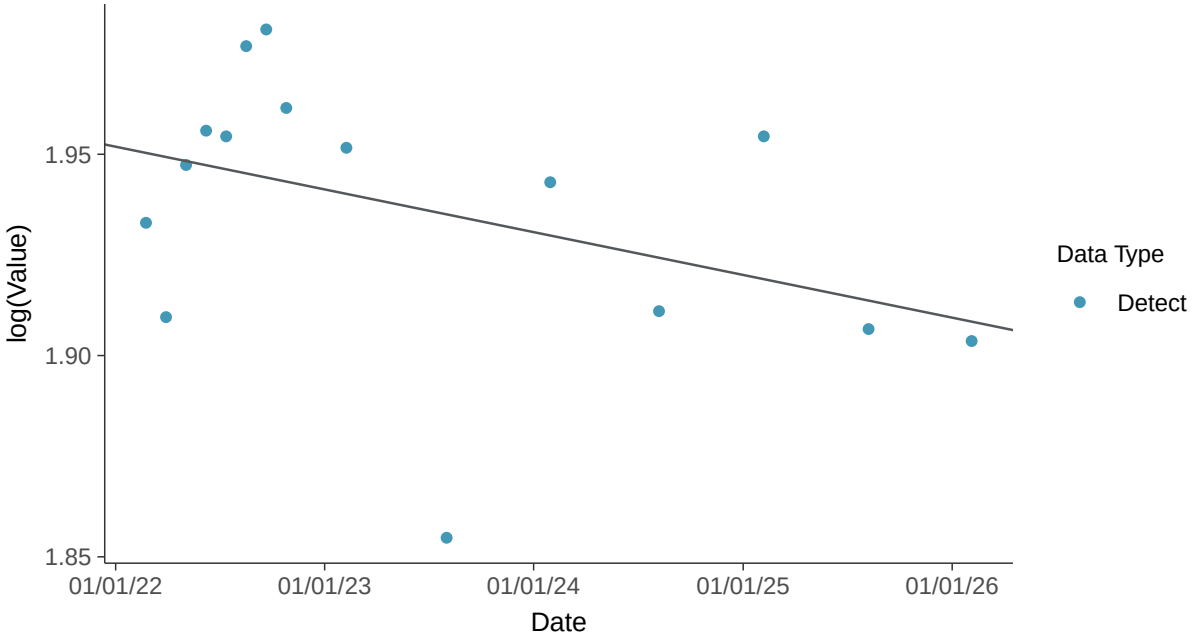
Gamma Q-Q plot

pH, Field, MW-13 (su)



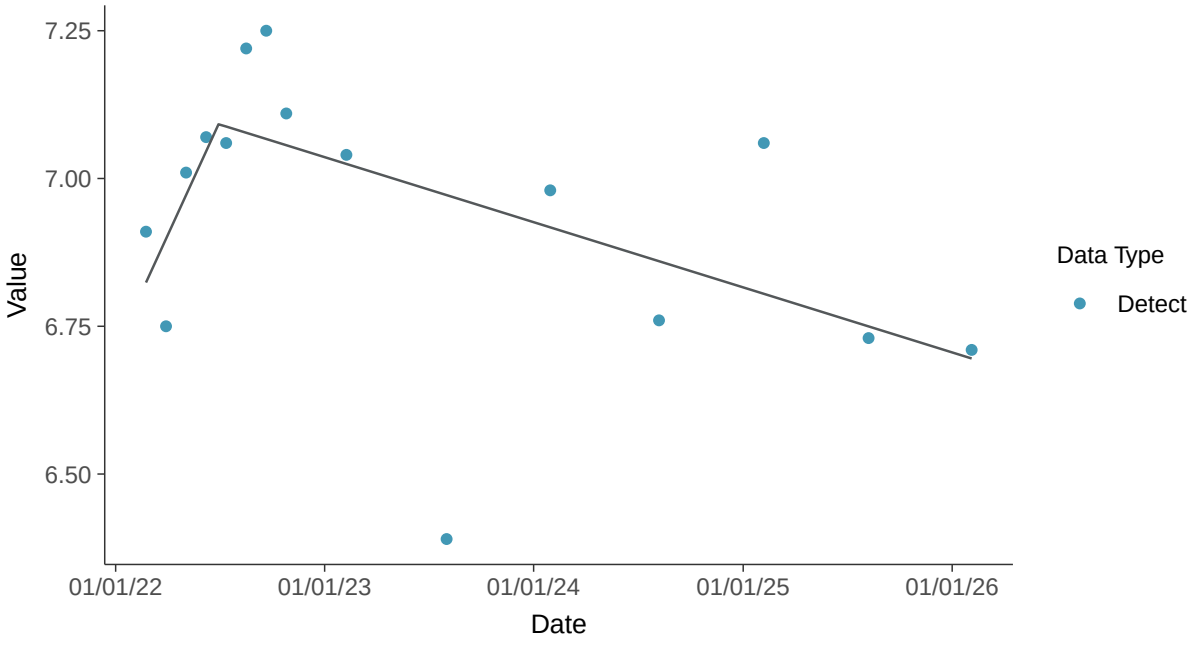
Trend Regression: Lognormal MLE

pH, Field, MW-13 (su)



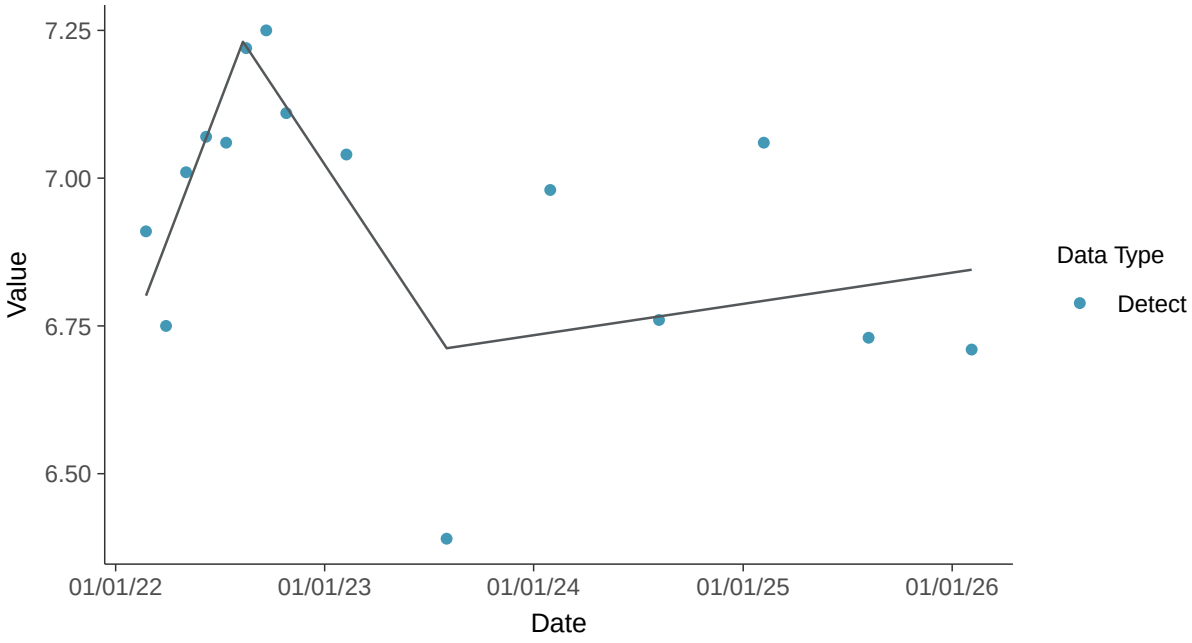
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-13 (su)



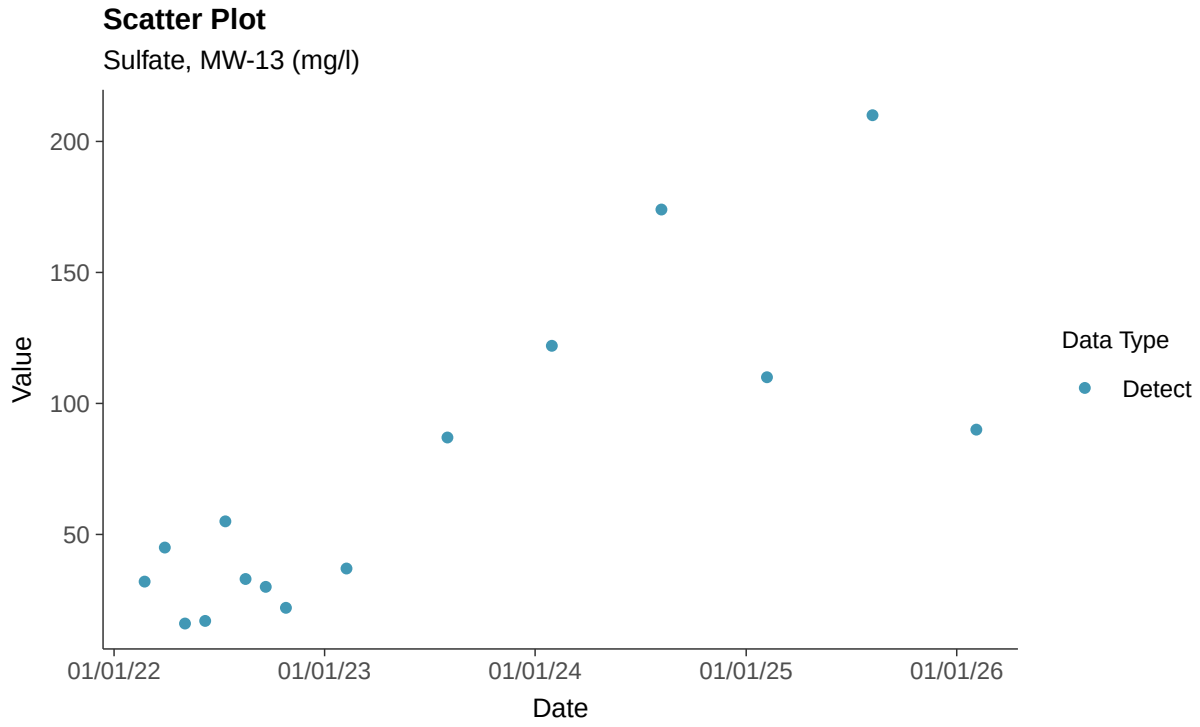
Trend Regression: Piecewise Linear-Linear-Linear

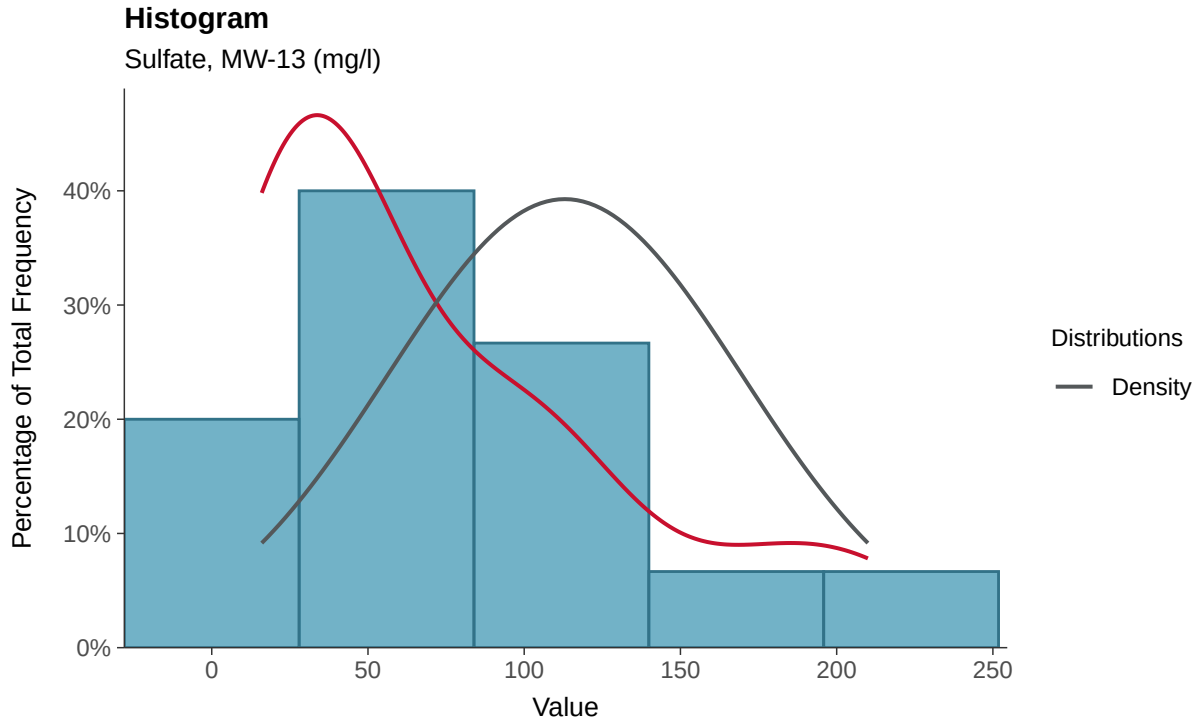
pH, Field, MW-13 (su)



Appendix III: Sulfate, MW-13

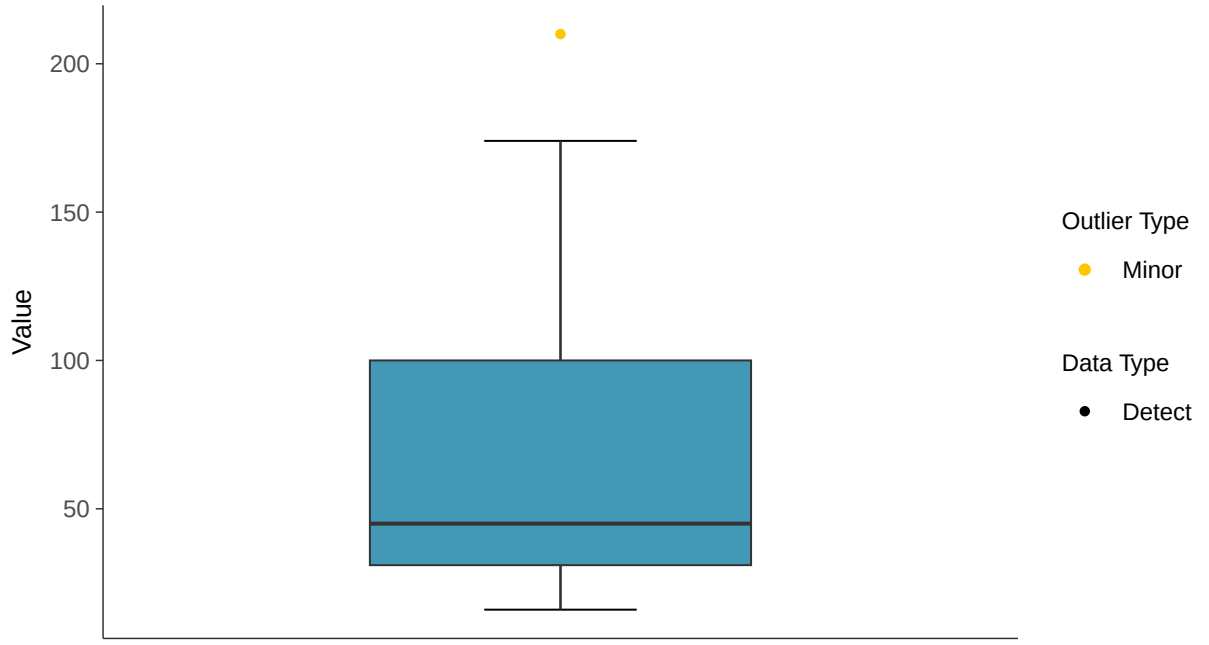
ID: 20_2_124





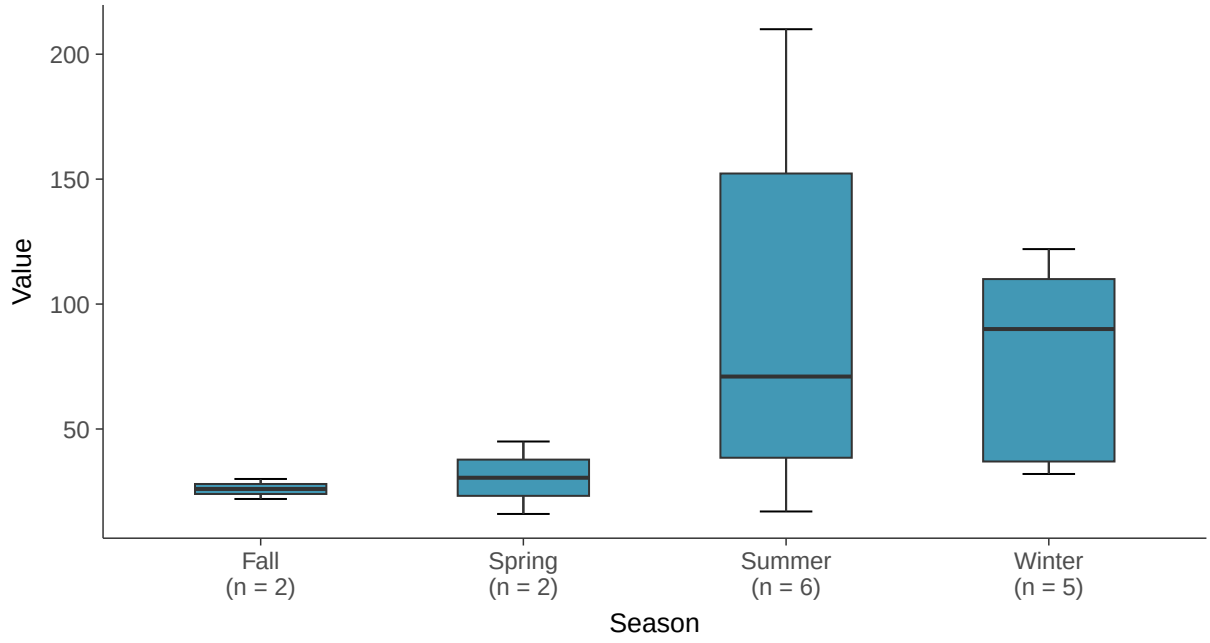
Boxplot

Sulfate, MW-13 (mg/l)



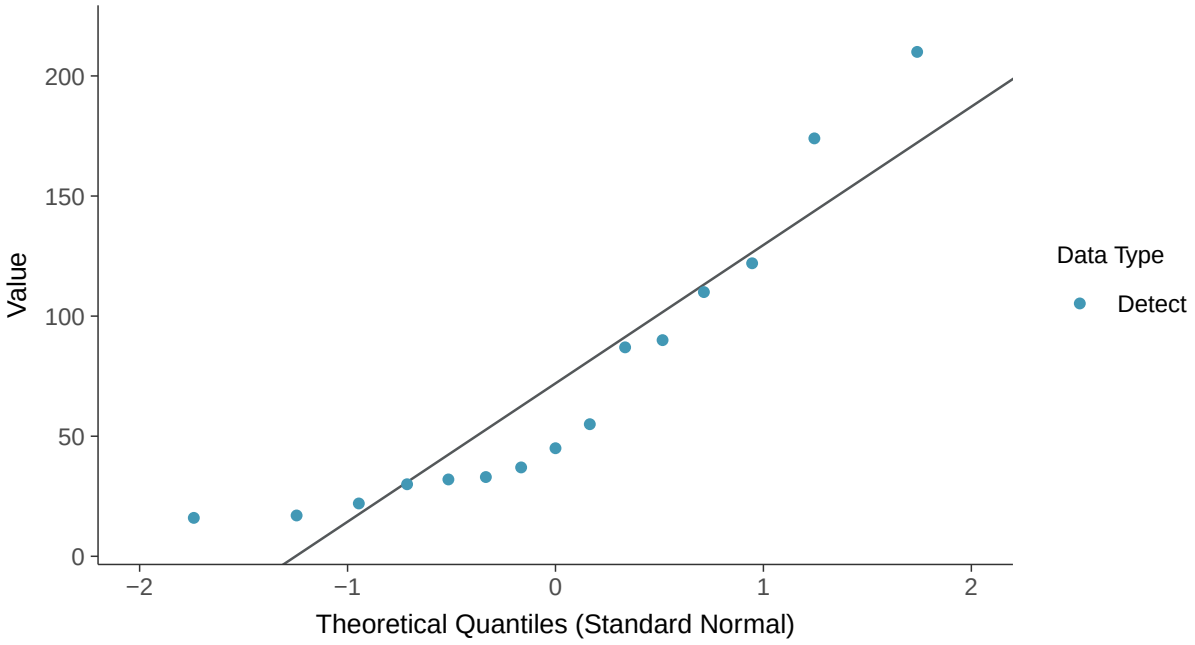
Boxplot by Season

Sulfate, MW-13 (mg/l)



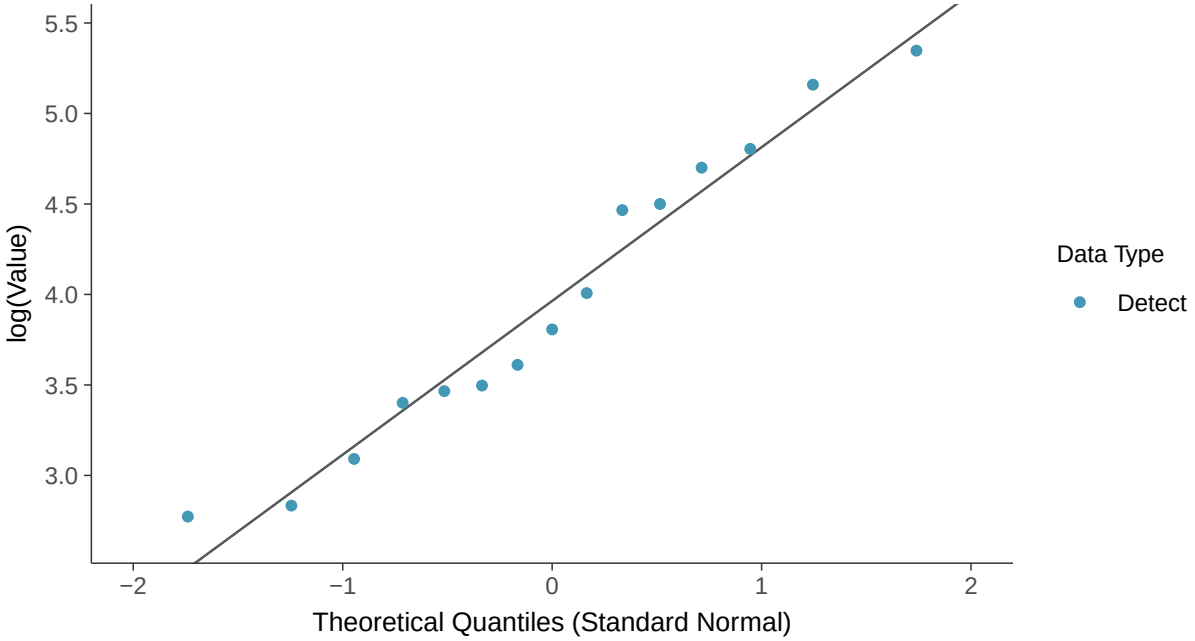
Normal Q-Q plot

Sulfate, MW-13 (mg/l)



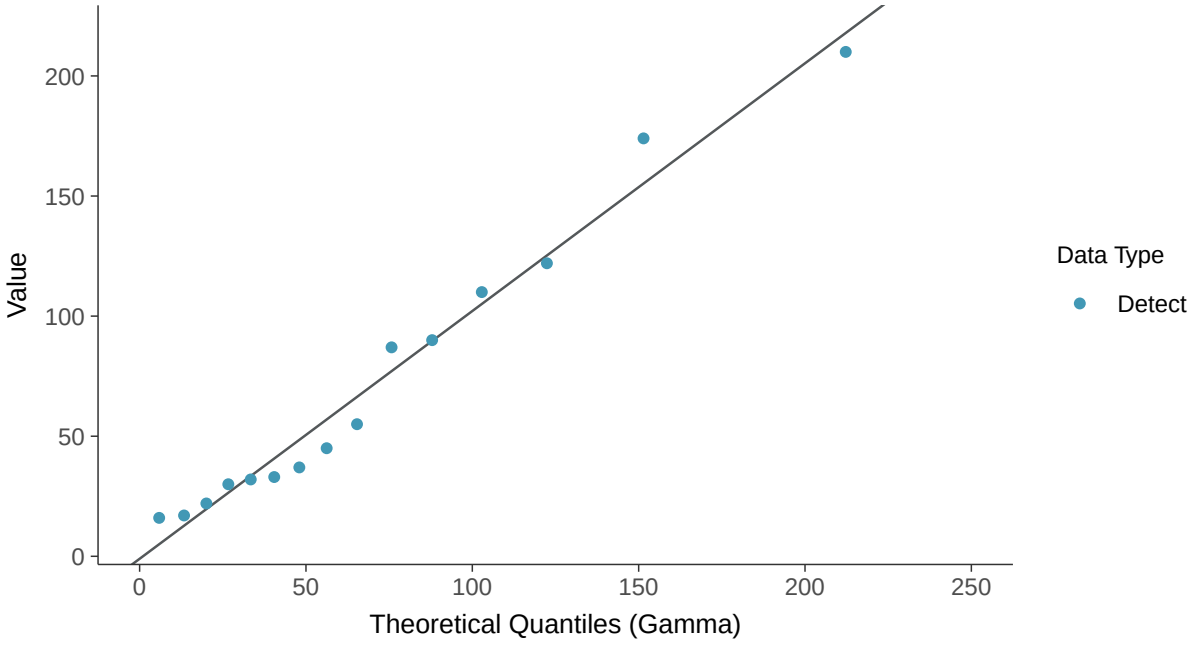
Lognormal Q-Q plot

Sulfate, MW-13 (mg/l)



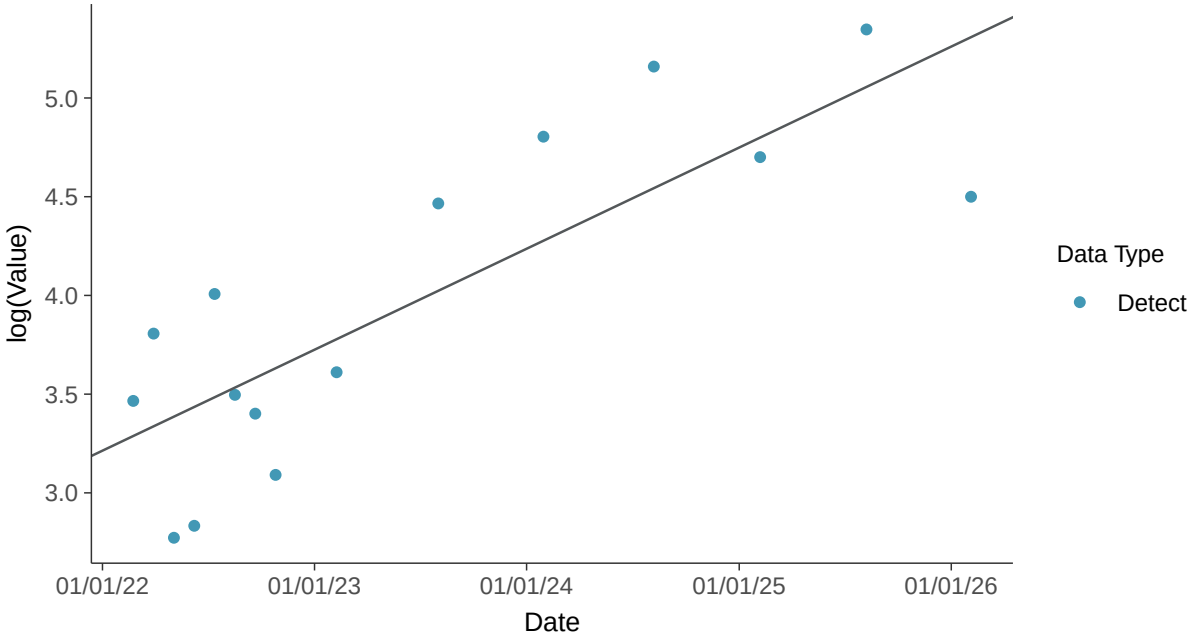
Gamma Q-Q plot

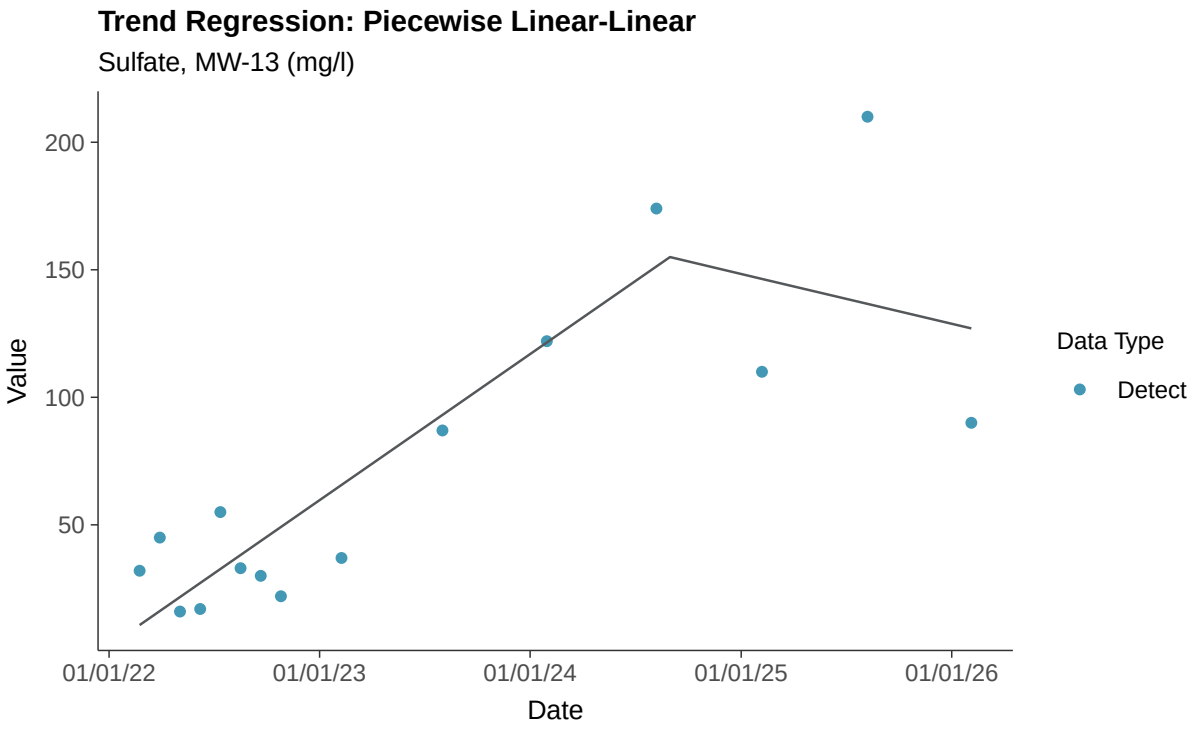
Sulfate, MW-13 (mg/l)



Trend Regression: Lognormal MLE

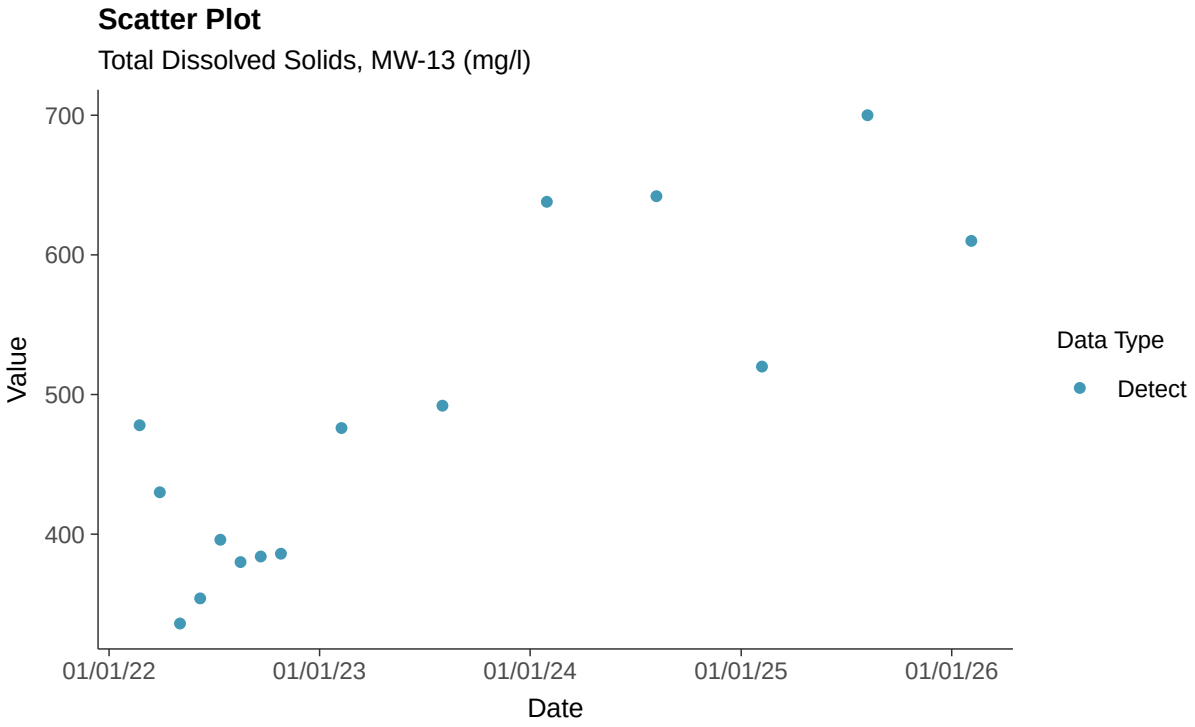
Sulfate, MW-13 (mg/l)

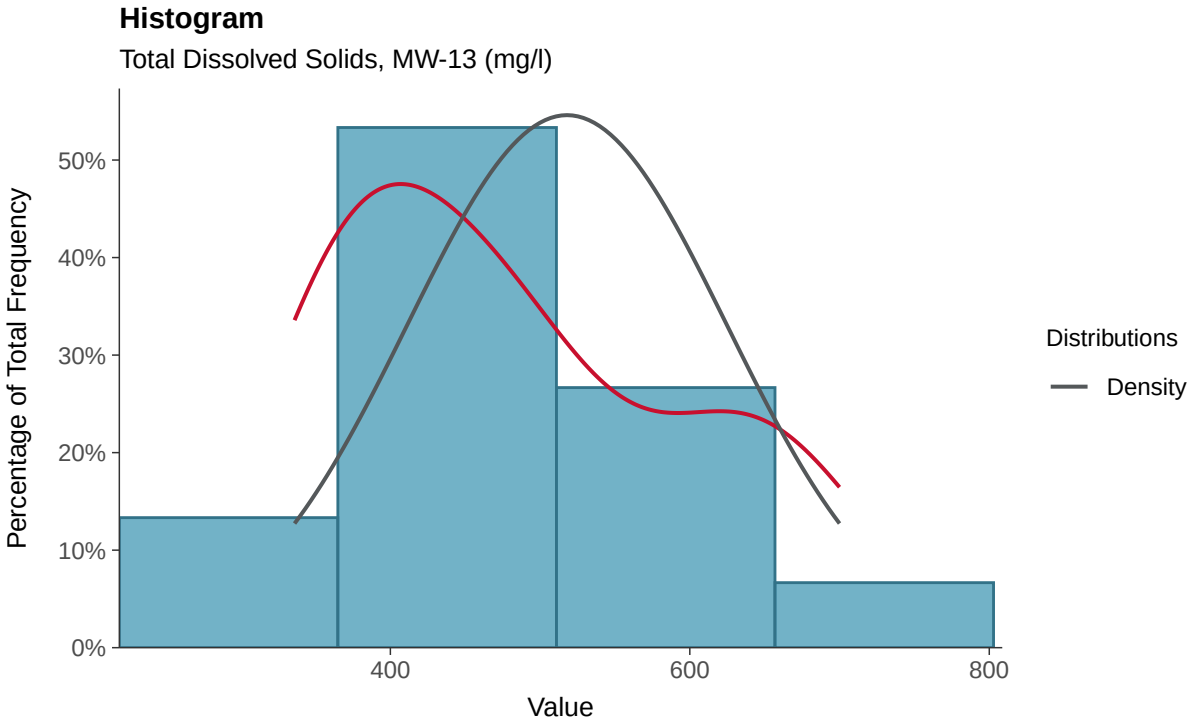



Trend Regression: Piecewise Linear-Linear
Sulfate, MW-13 (mg/l)
200
150
100
50
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Total Dissolved Solids, MW-13

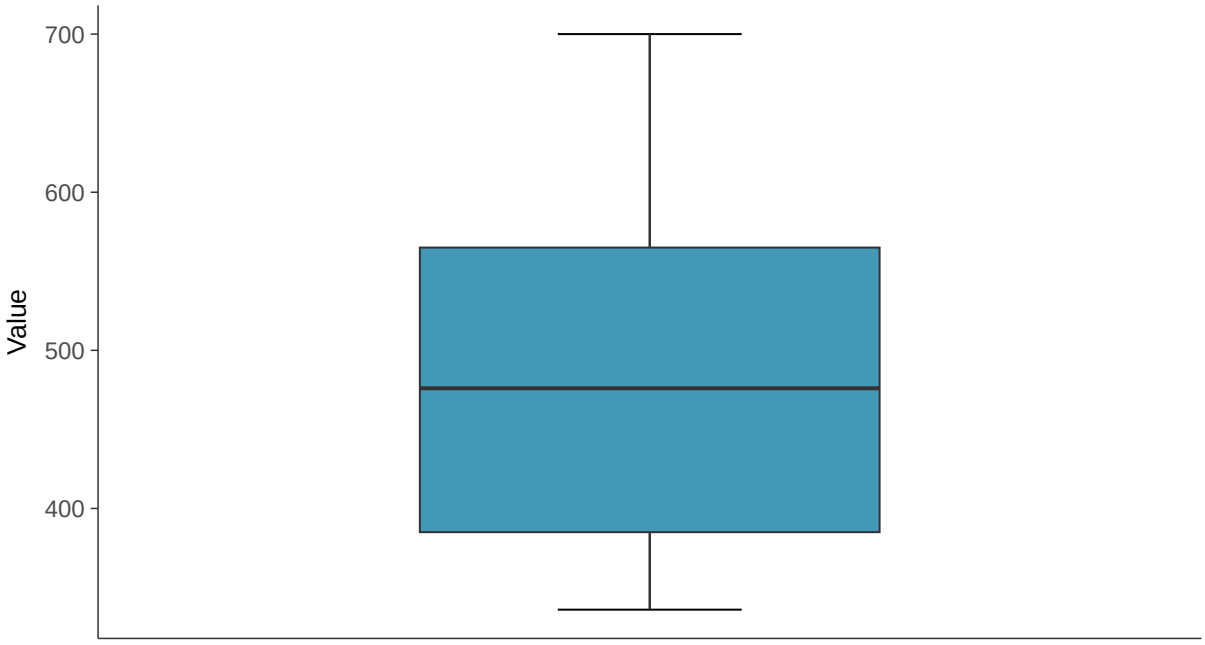
ID: 20_2_126





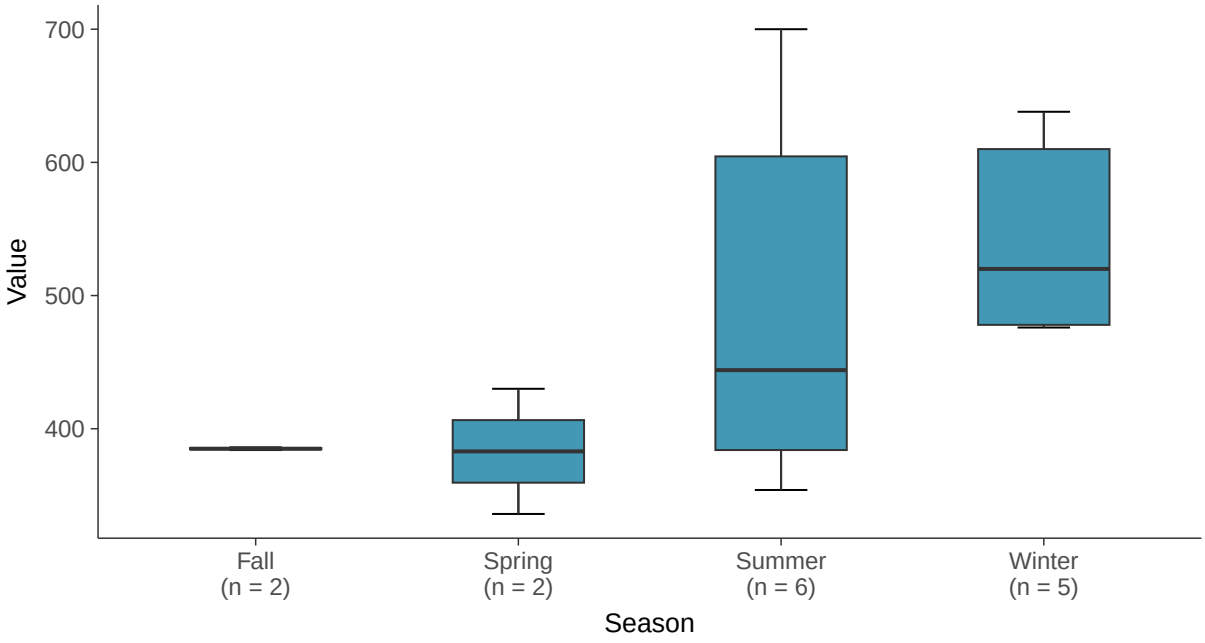
Boxplot

Total Dissolved Solids, MW-13 (mg/l)



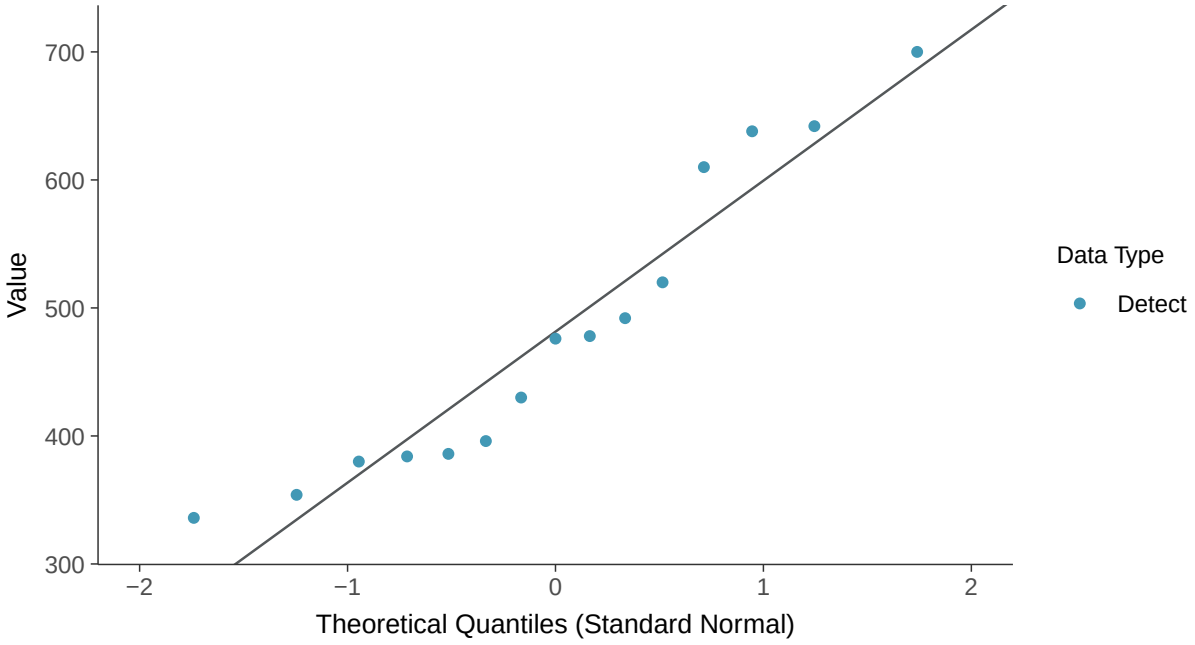
Boxplot by Season

Total Dissolved Solids, MW-13 (mg/l)



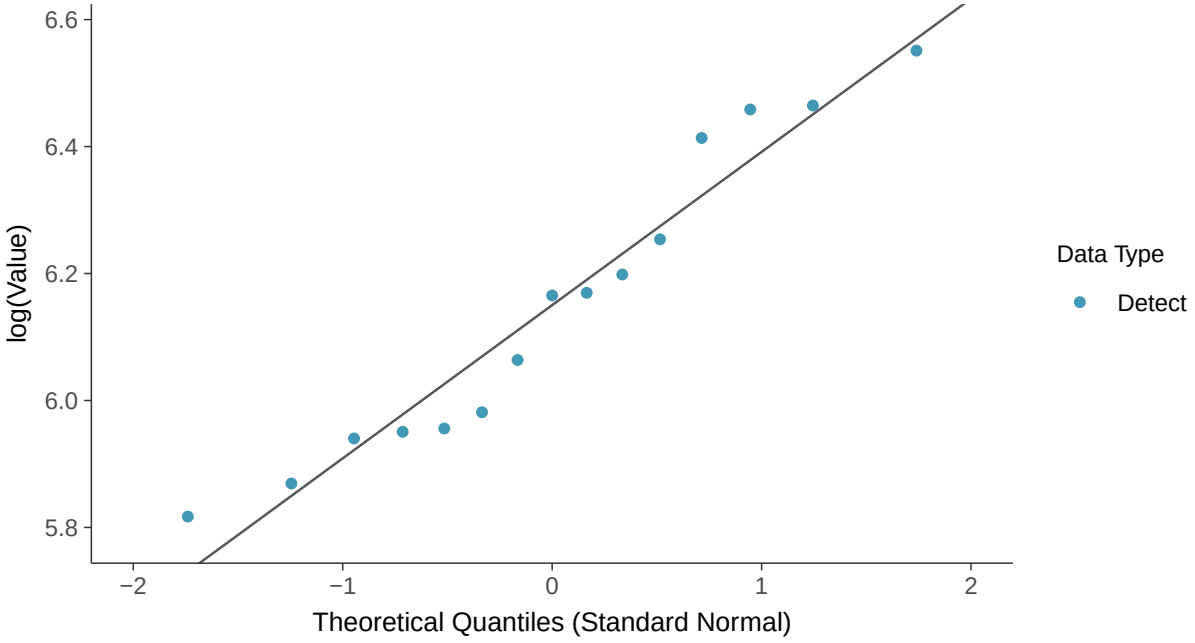
Normal Q-Q plot

Total Dissolved Solids, MW-13 (mg/l)



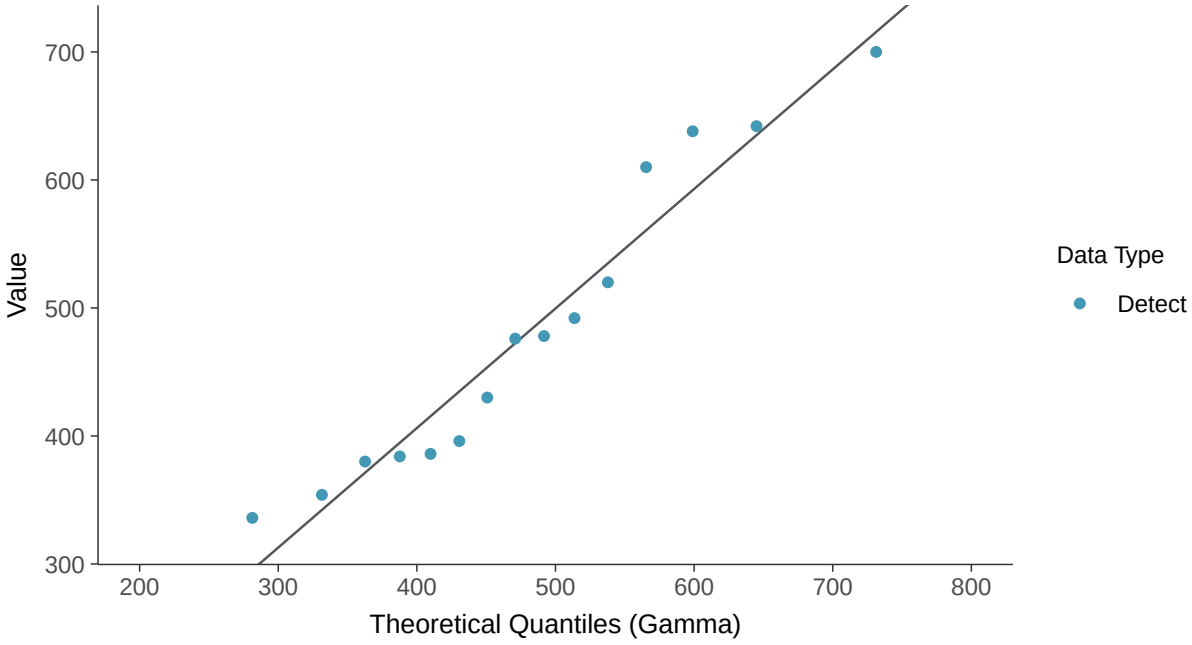
Lognormal Q-Q plot

Total Dissolved Solids, MW-13 (mg/l)



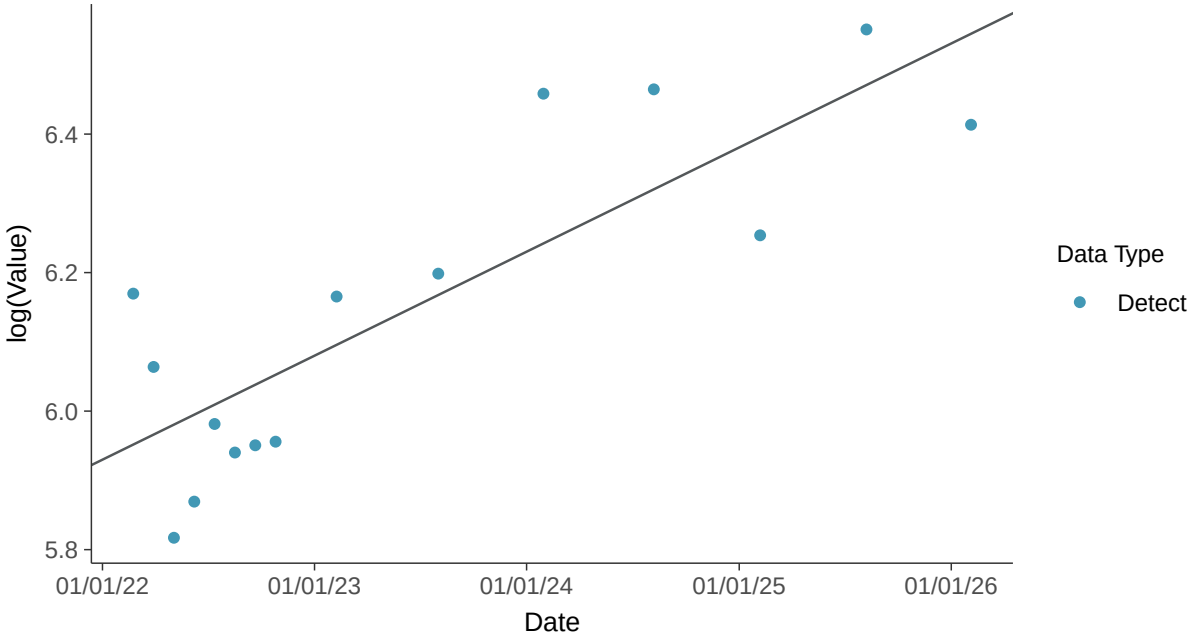
Gamma Q-Q plot

Total Dissolved Solids, MW-13 (mg/l)



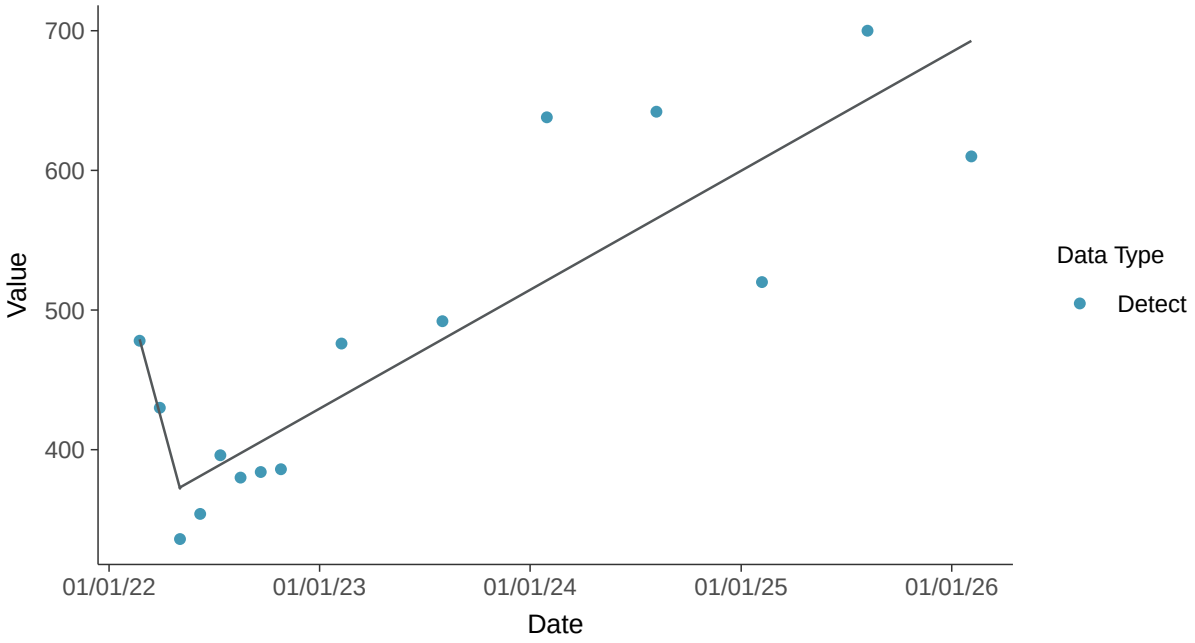
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-13 (mg/l)



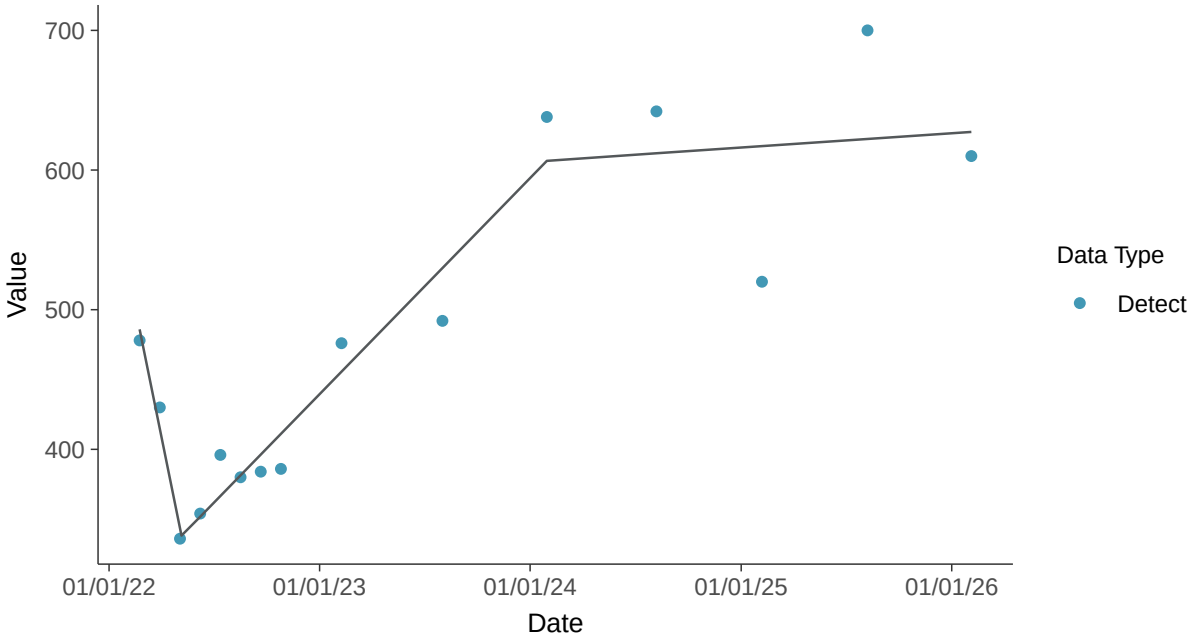
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-13 (mg/l)



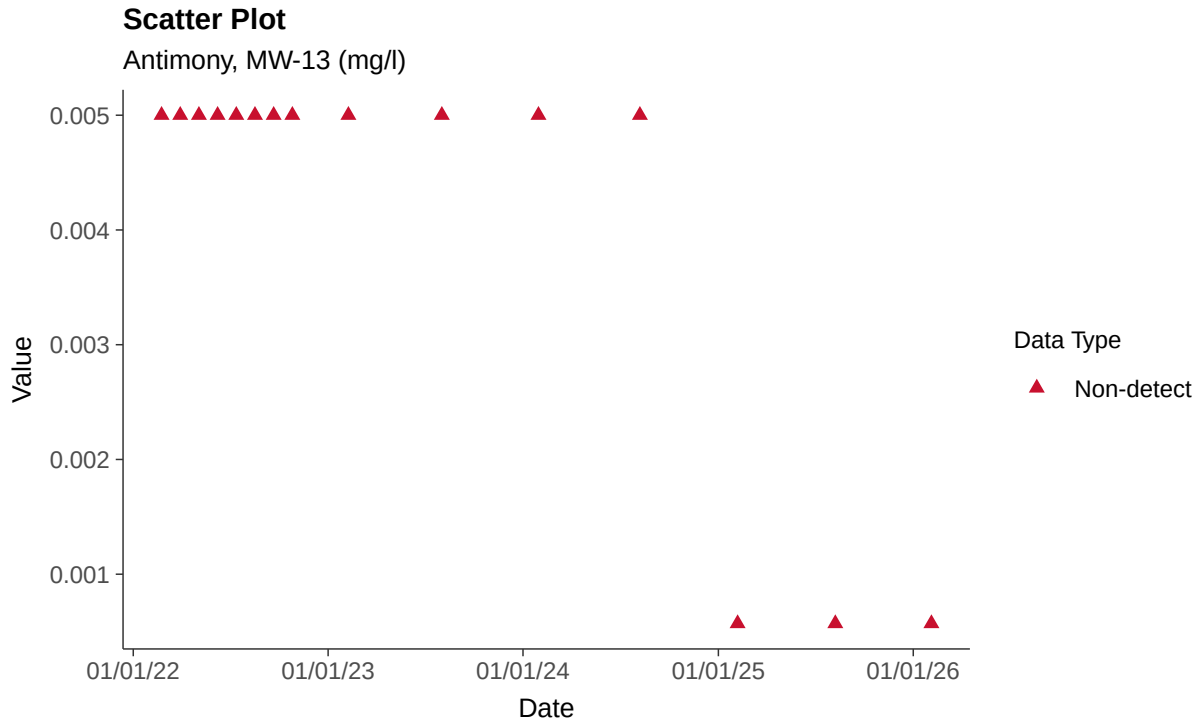
Trend Regression: Piecewise Linear-Linear-Linear

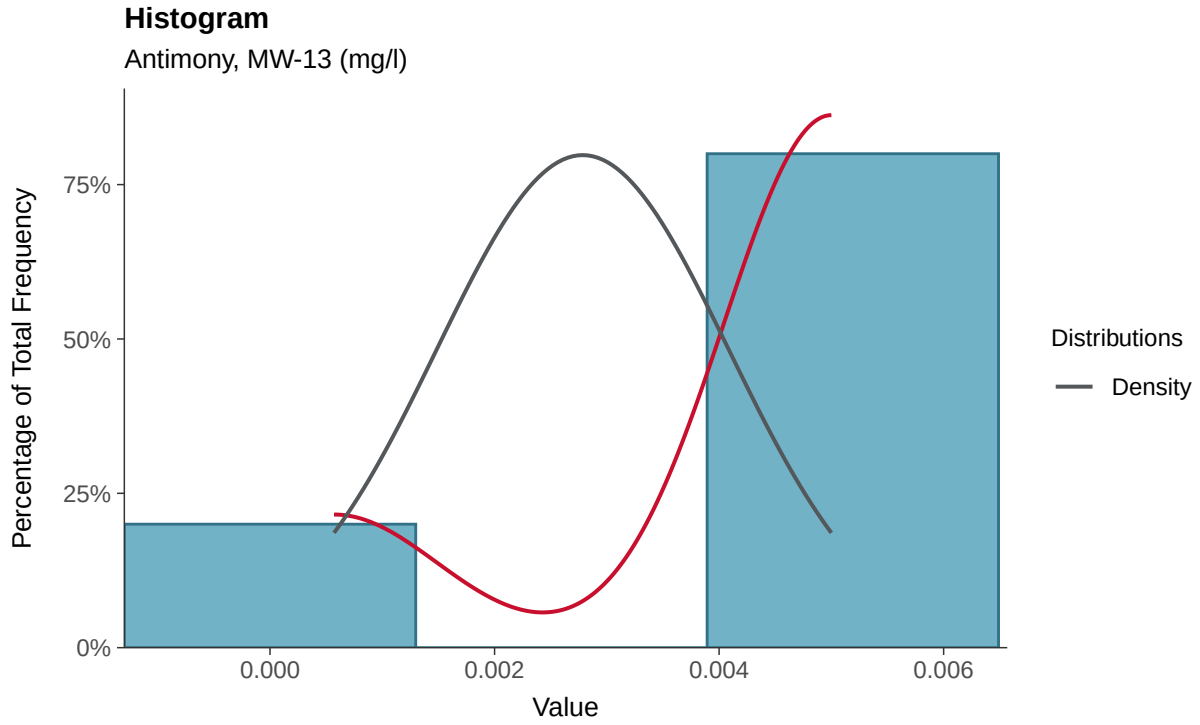
Total Dissolved Solids, MW-13 (mg/l)



Appendix IV: Antimony, MW-13

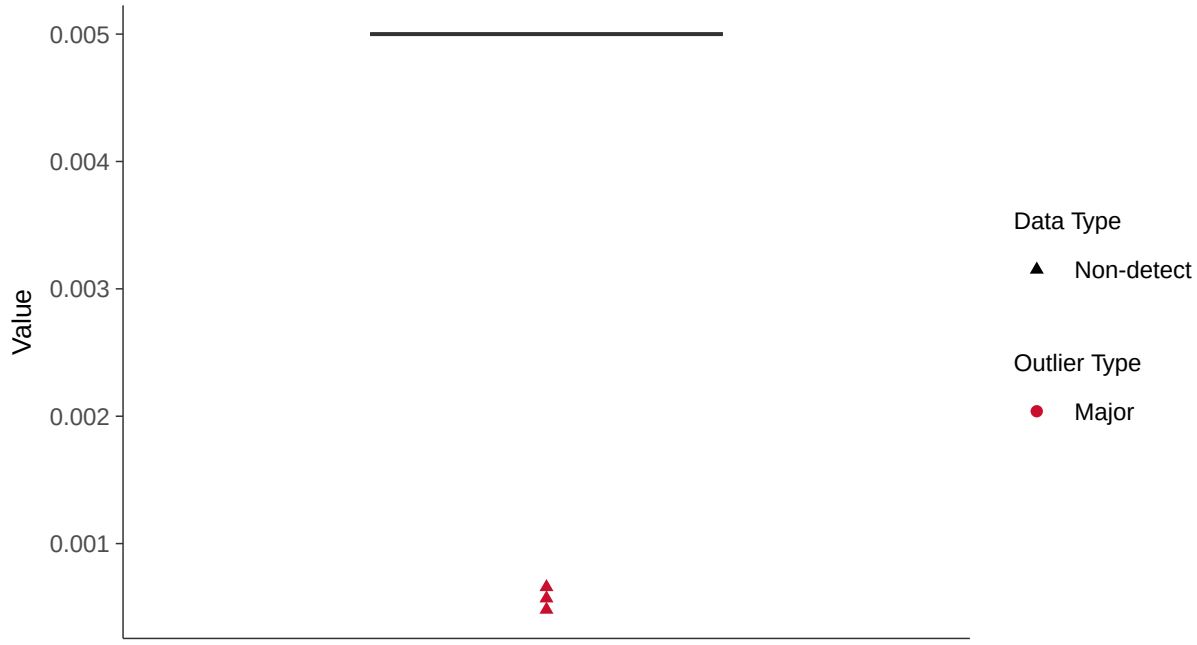
ID: 20_3_101





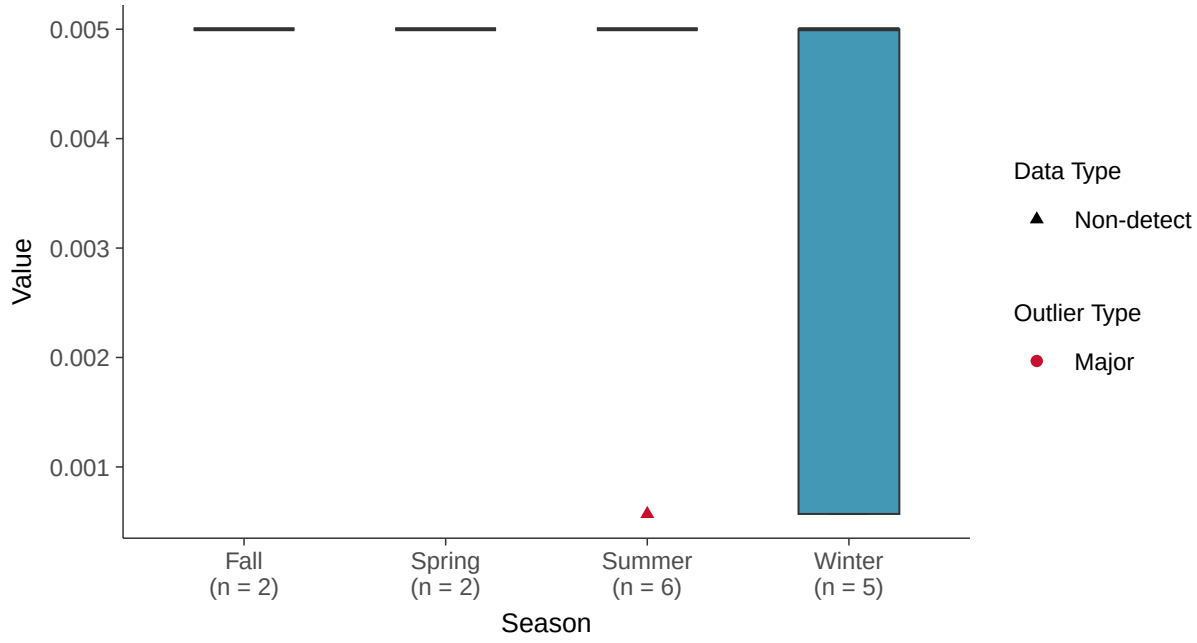
Boxplot

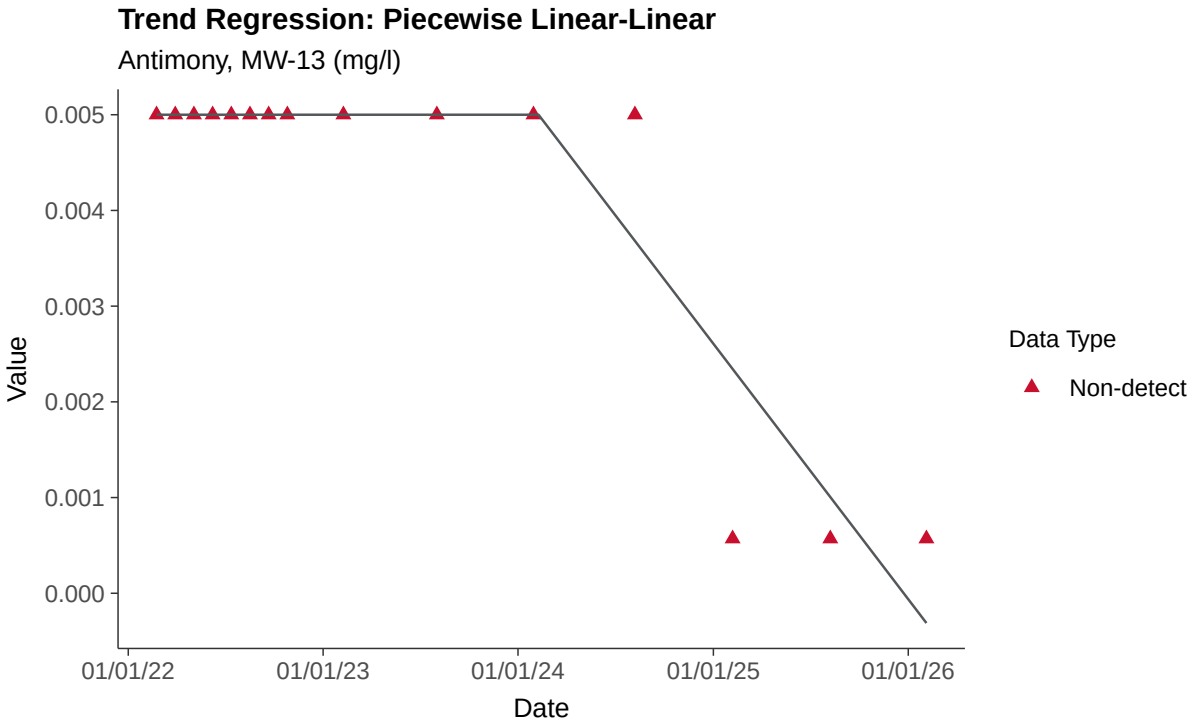
Antimony, MW-13 (mg/l)



Boxplot by Season

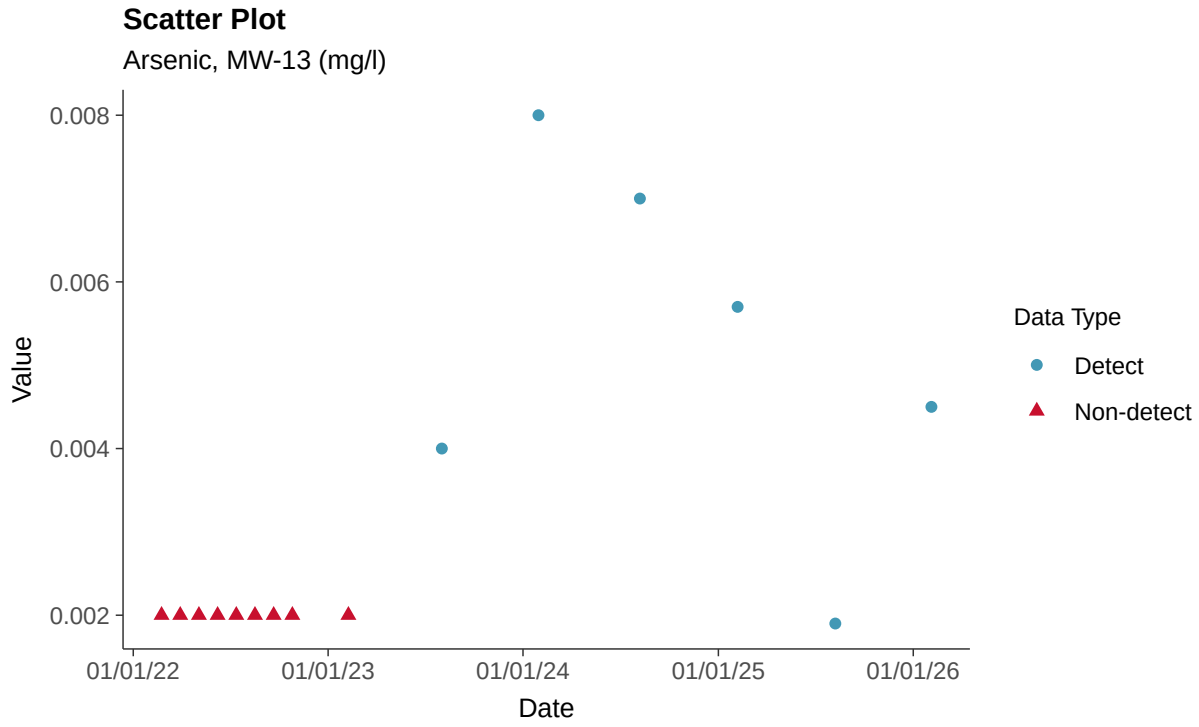
Antimony, MW-13 (mg/l)

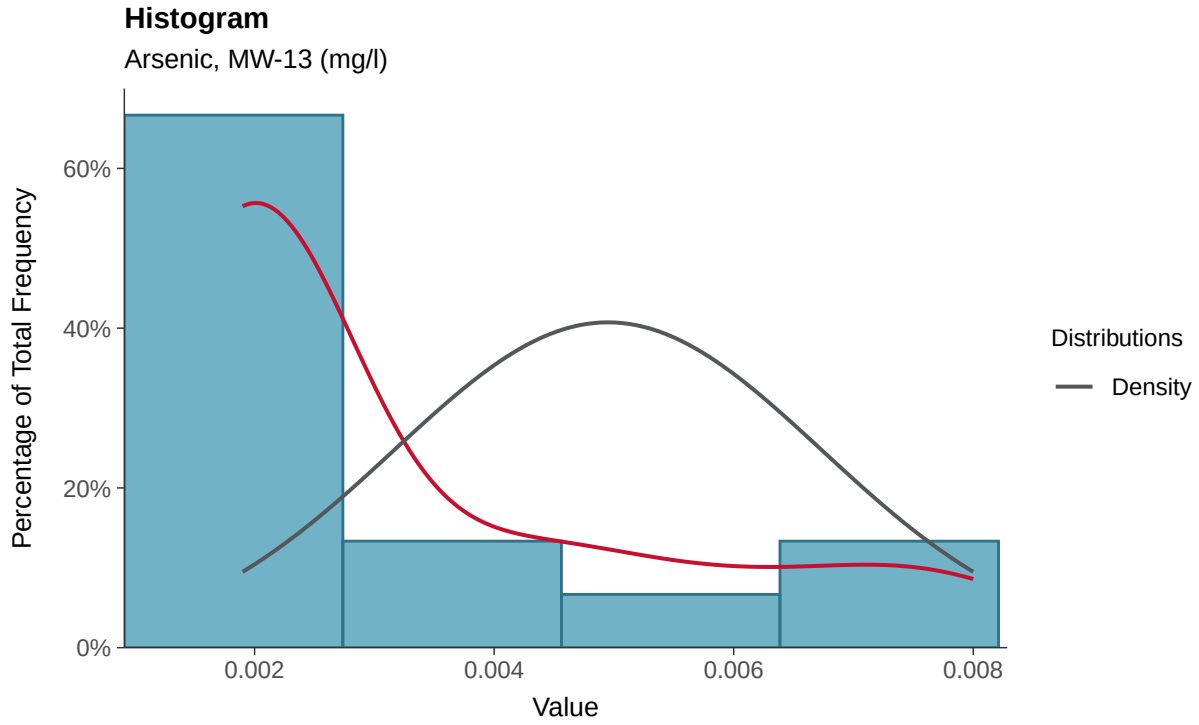



Trend Regression: Piecewise Linear-Linear
Antimony, MW-13 (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-13

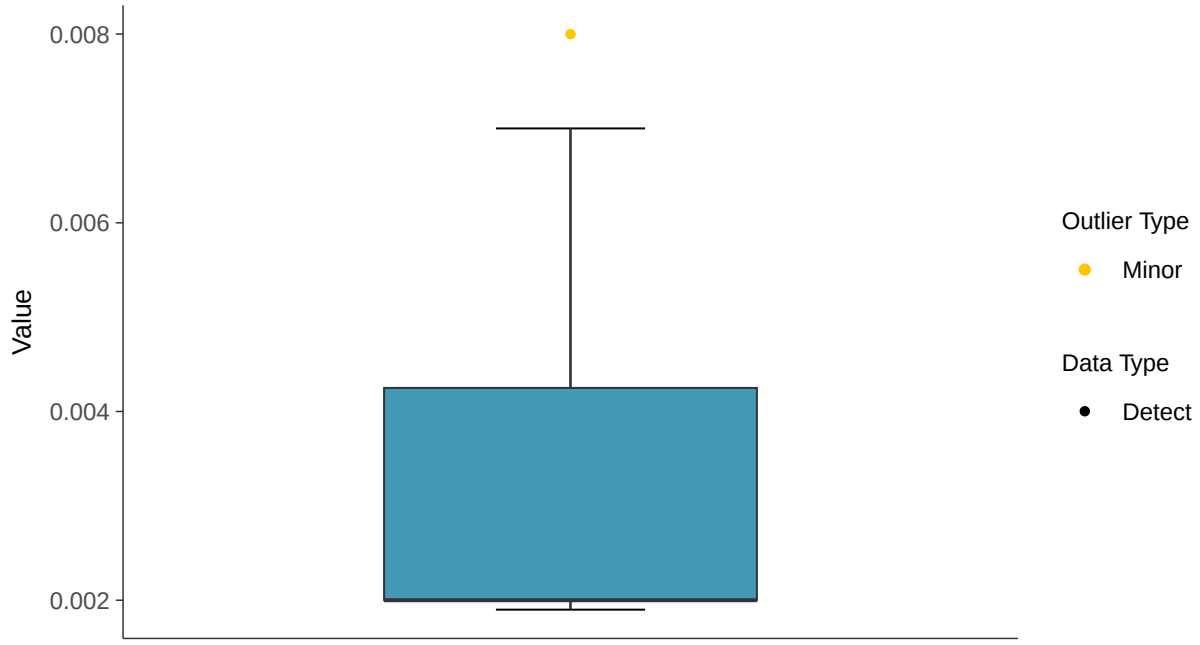
ID: 20_3_102





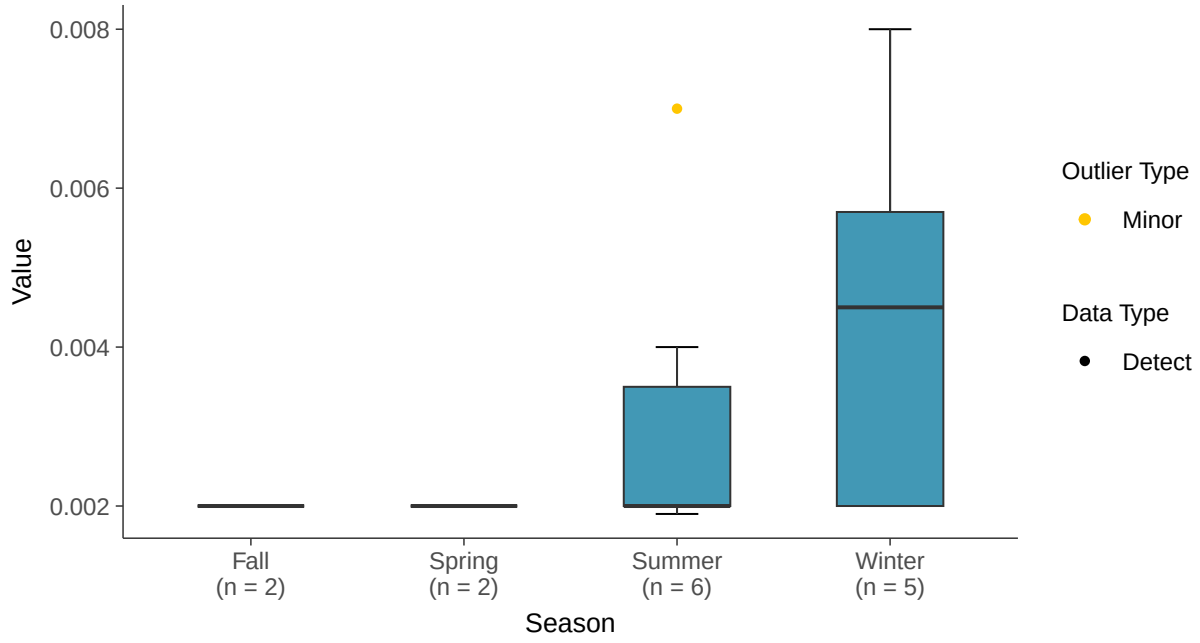
Boxplot

Arsenic, MW-13 (mg/l)



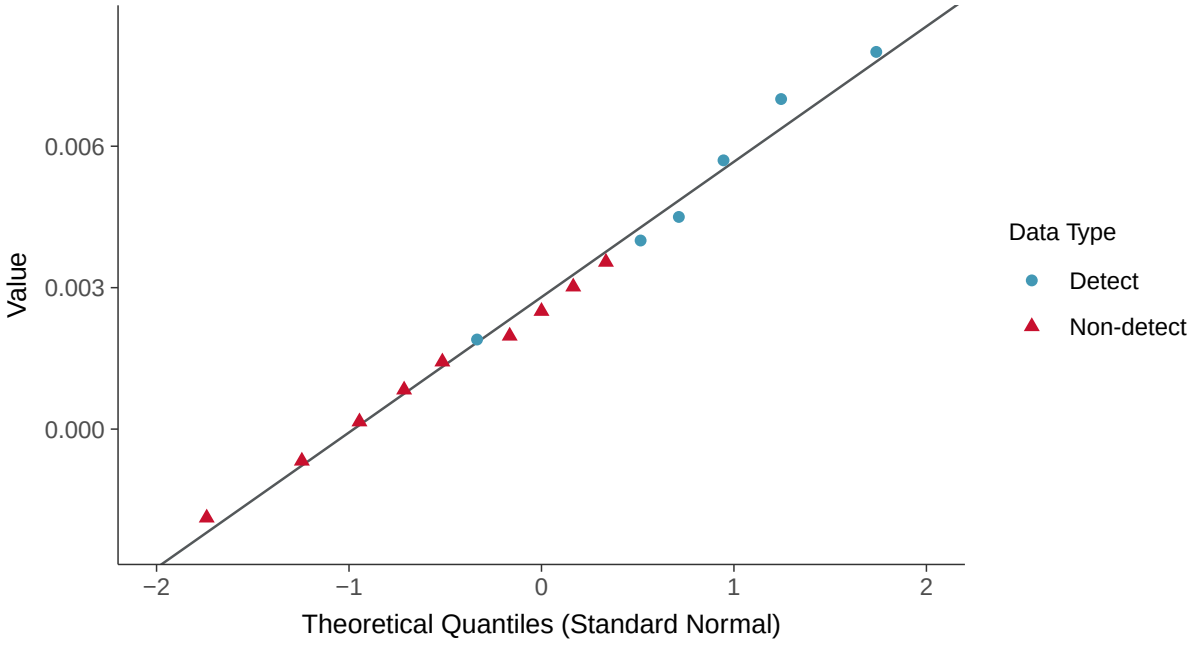
Boxplot by Season

Arsenic, MW-13 (mg/l)



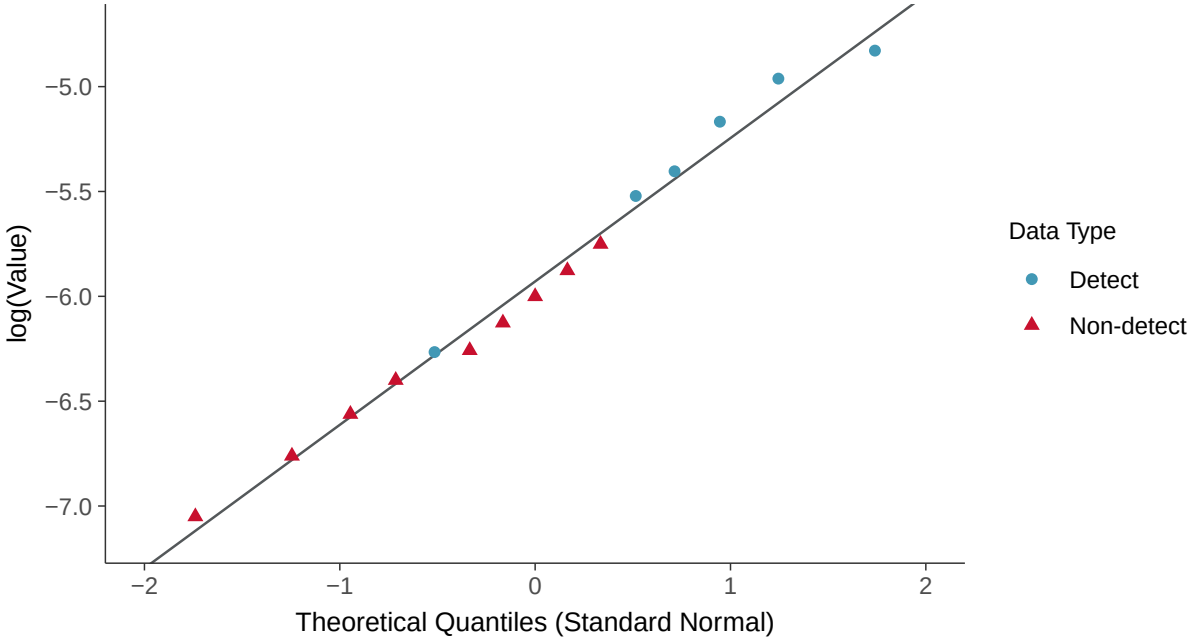
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-13 (mg/l)



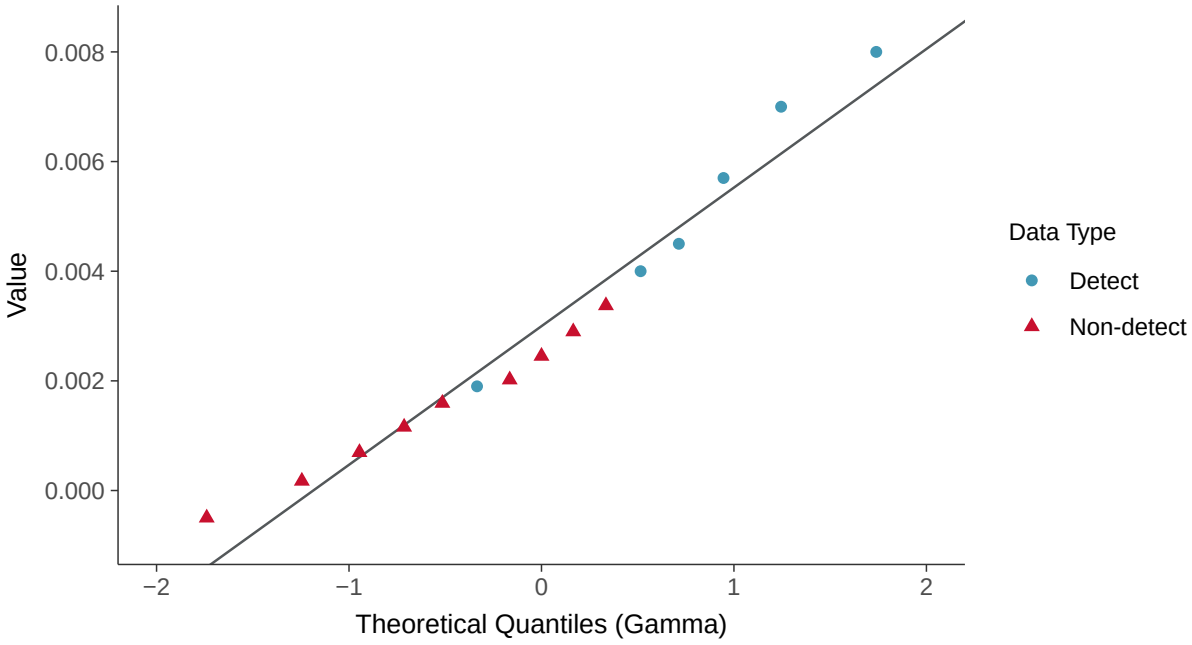
Lognormal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-13 (mg/l)



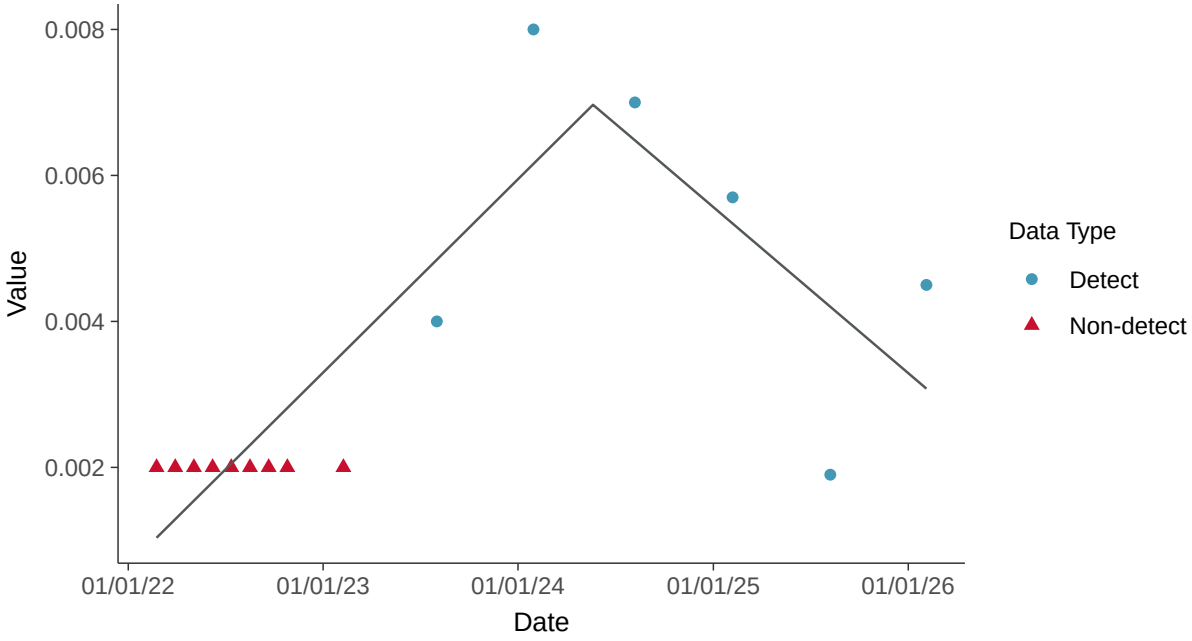
Gamma Q-Q plot using ROS Imputed Estimates

Arsenic, MW-13 (mg/l)



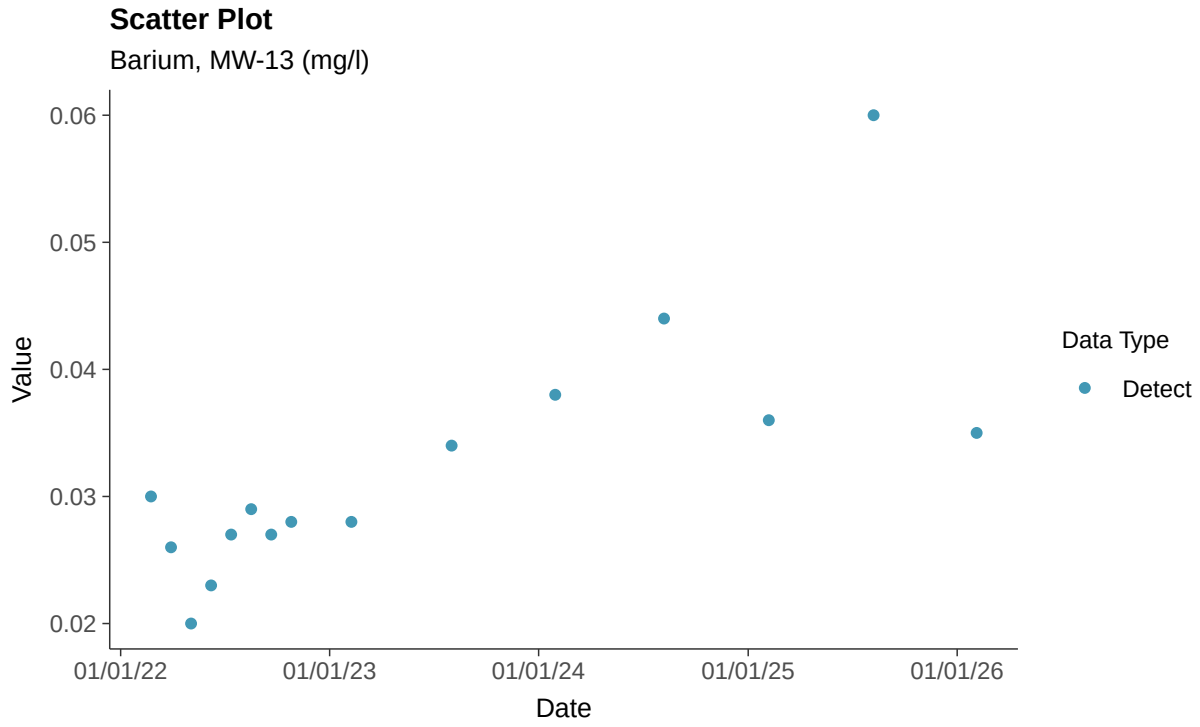
Trend Regression: Piecewise Linear-Linear

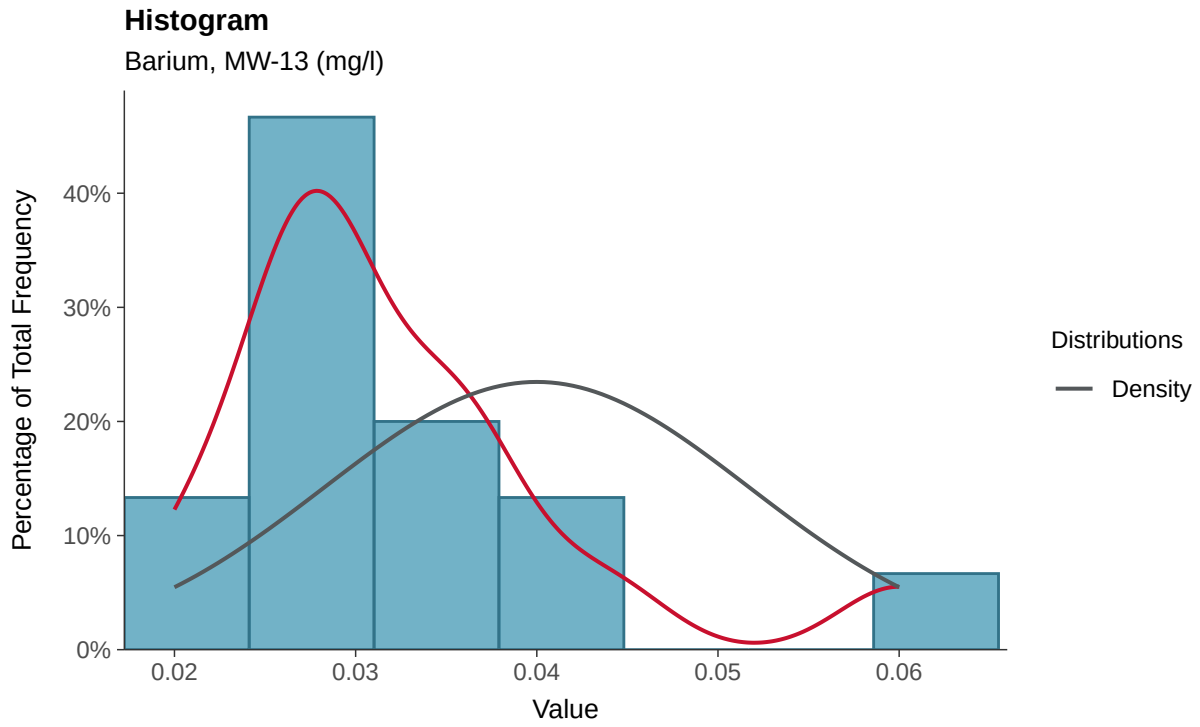
Arsenic, MW-13 (mg/l)



Appendix IV: Barium, MW-13

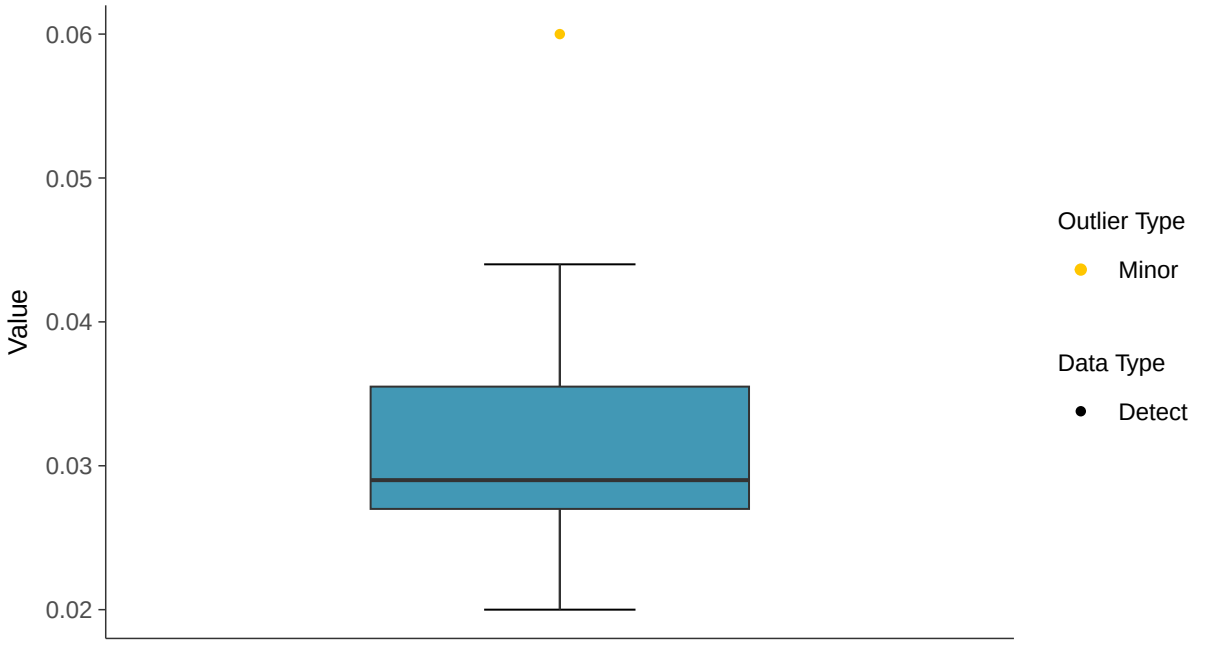
ID: 20_3_103





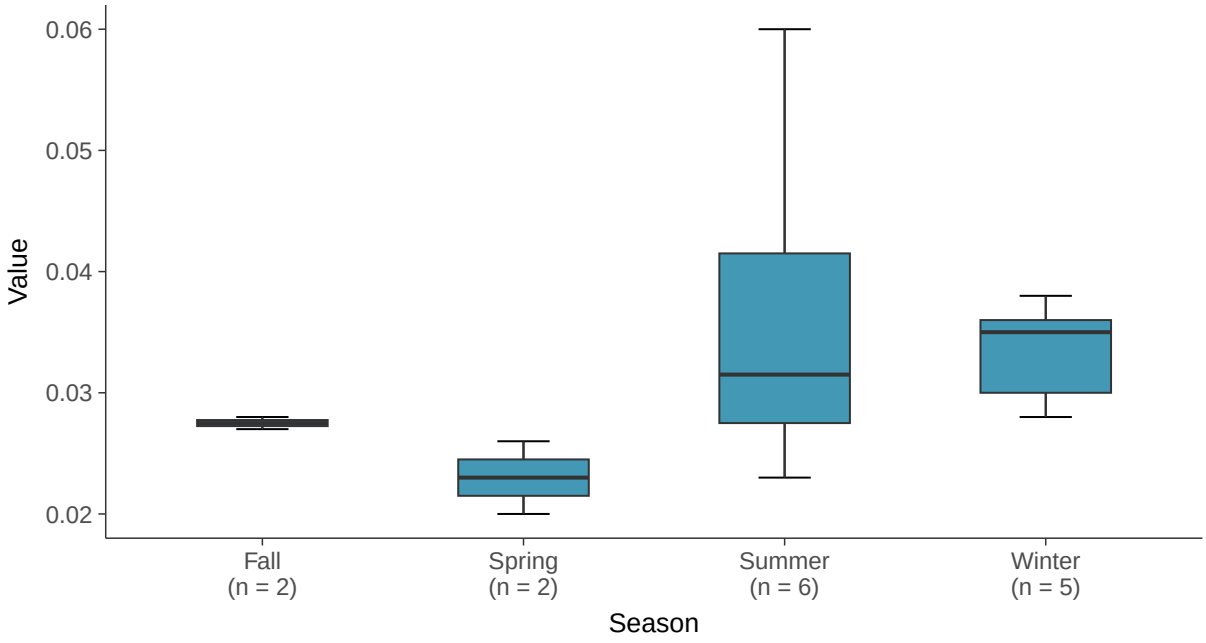
Boxplot

Barium, MW-13 (mg/l)



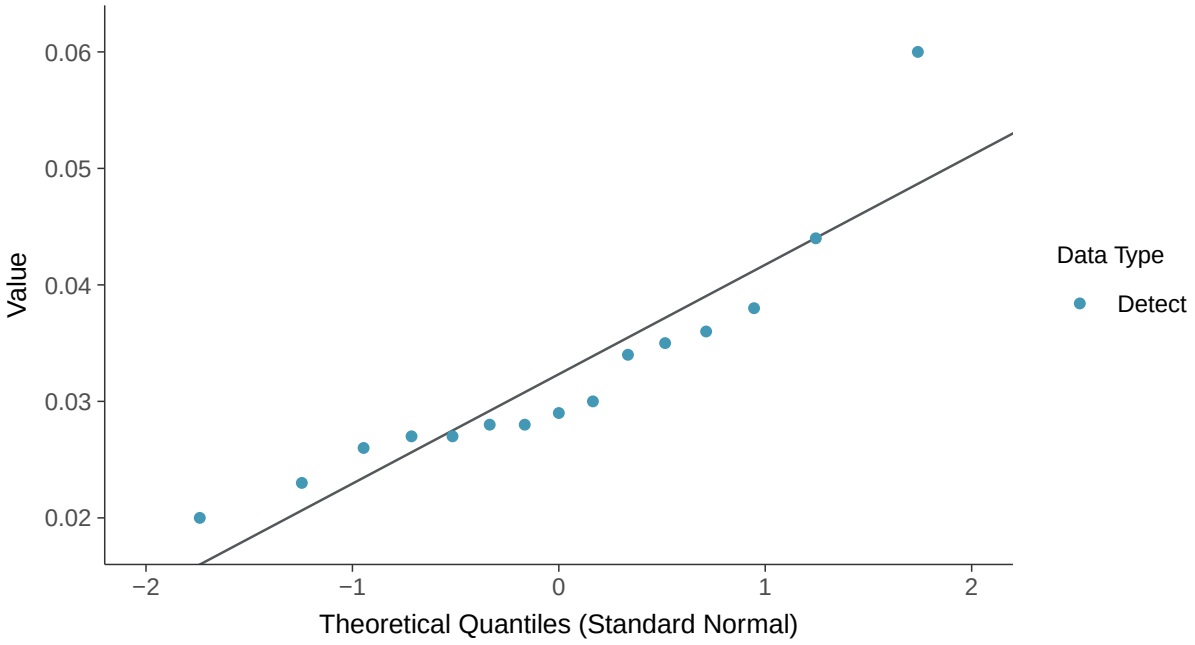
Boxplot by Season

Barium, MW-13 (mg/l)



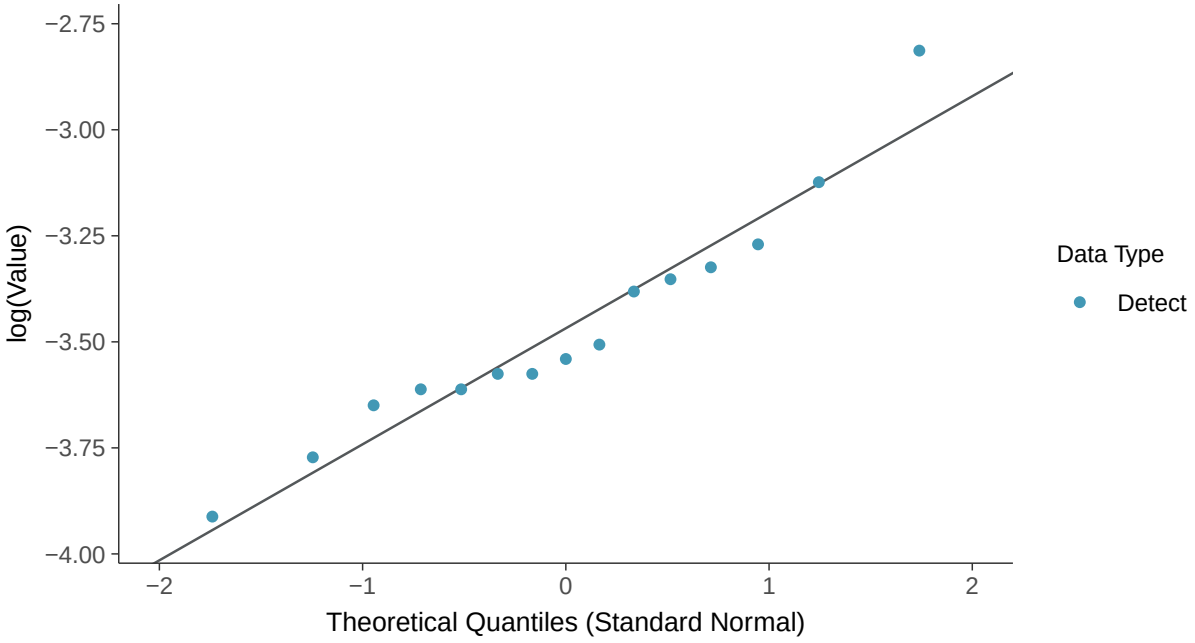
Normal Q-Q plot

Barium, MW-13 (mg/l)



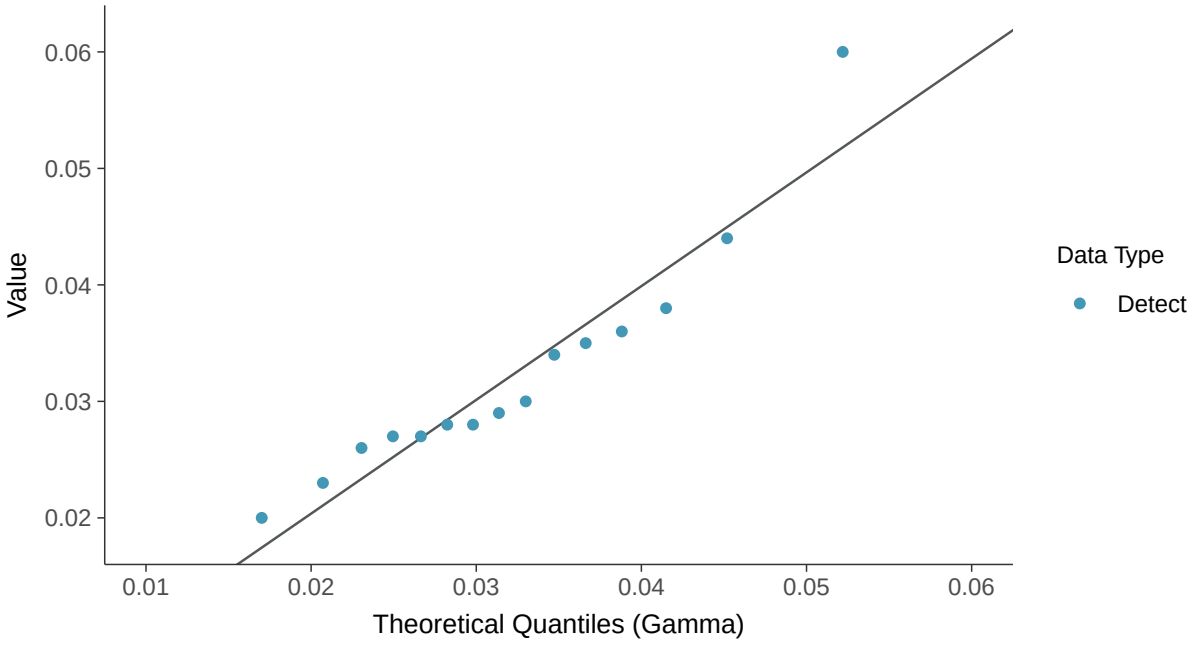
Lognormal Q-Q plot

Barium, MW-13 (mg/l)



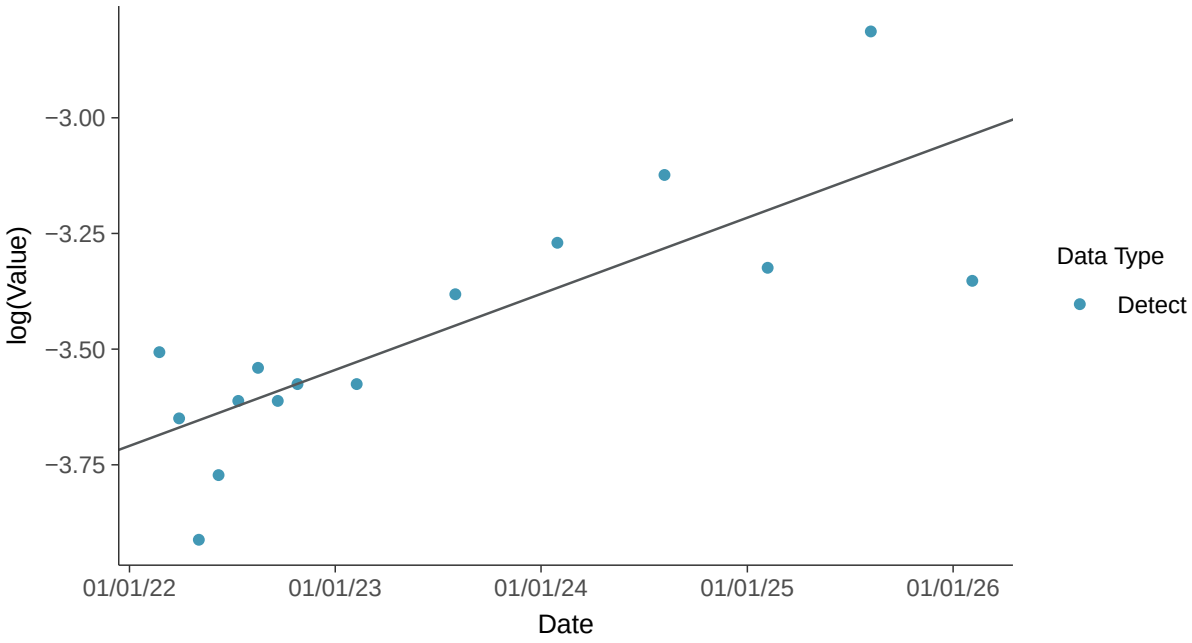
Gamma Q-Q plot

Barium, MW-13 (mg/l)



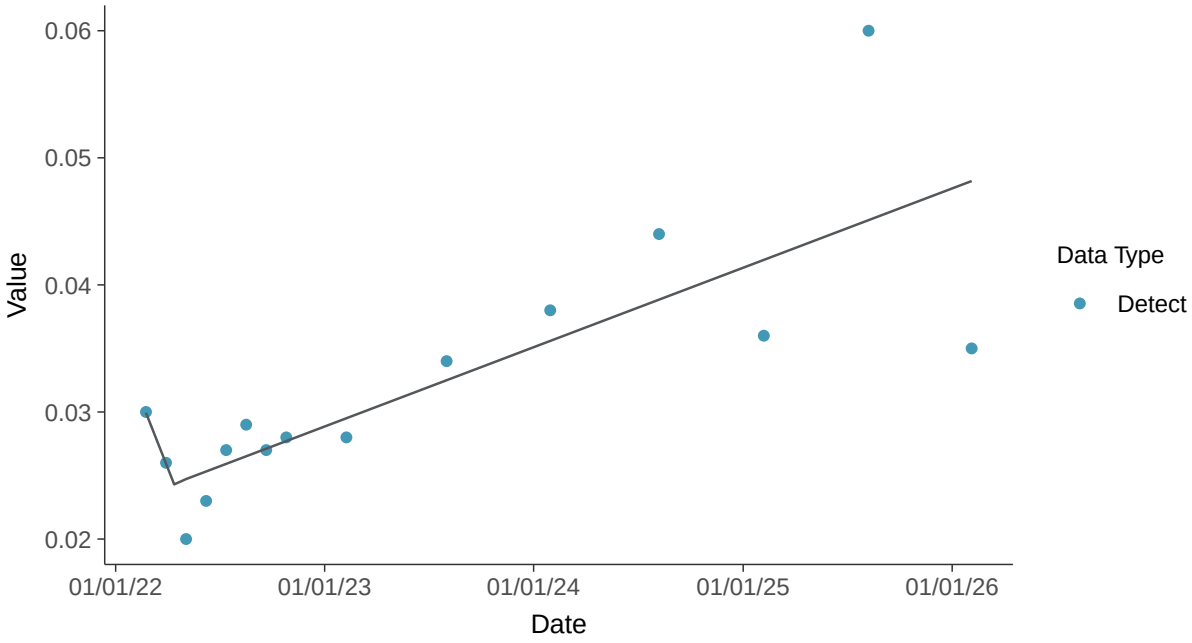
Trend Regression: Lognormal MLE

Barium, MW-13 (mg/l)



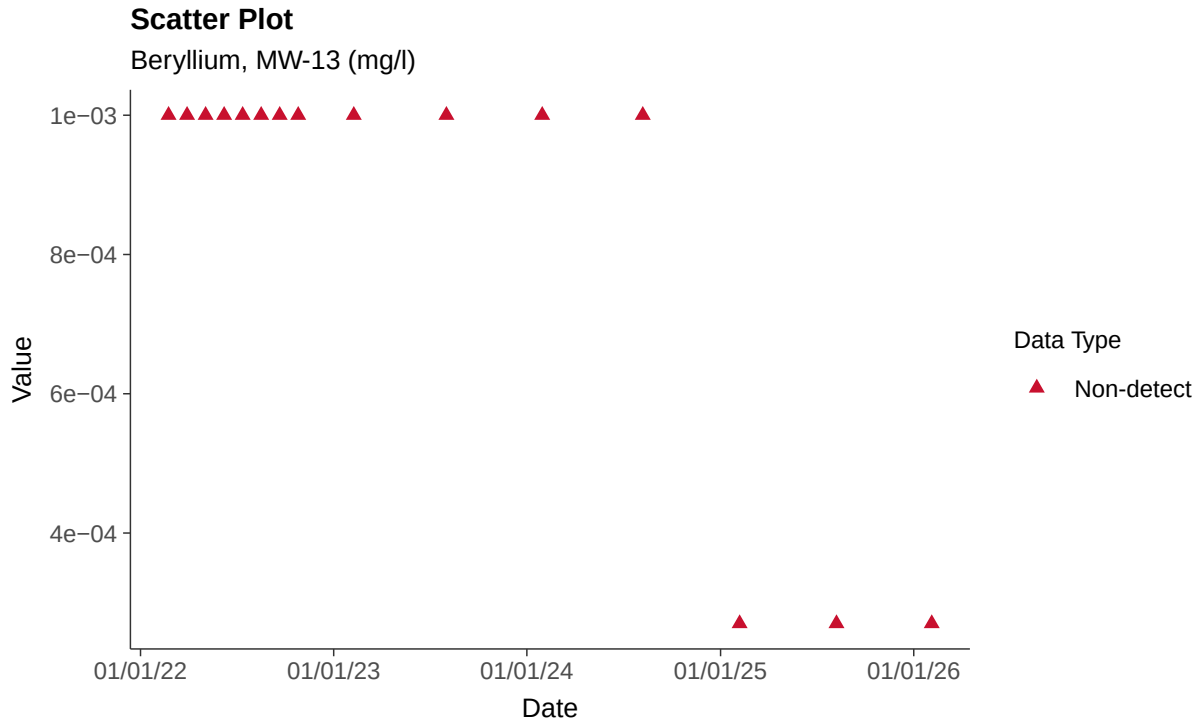
Trend Regression: Piecewise Linear-Linear

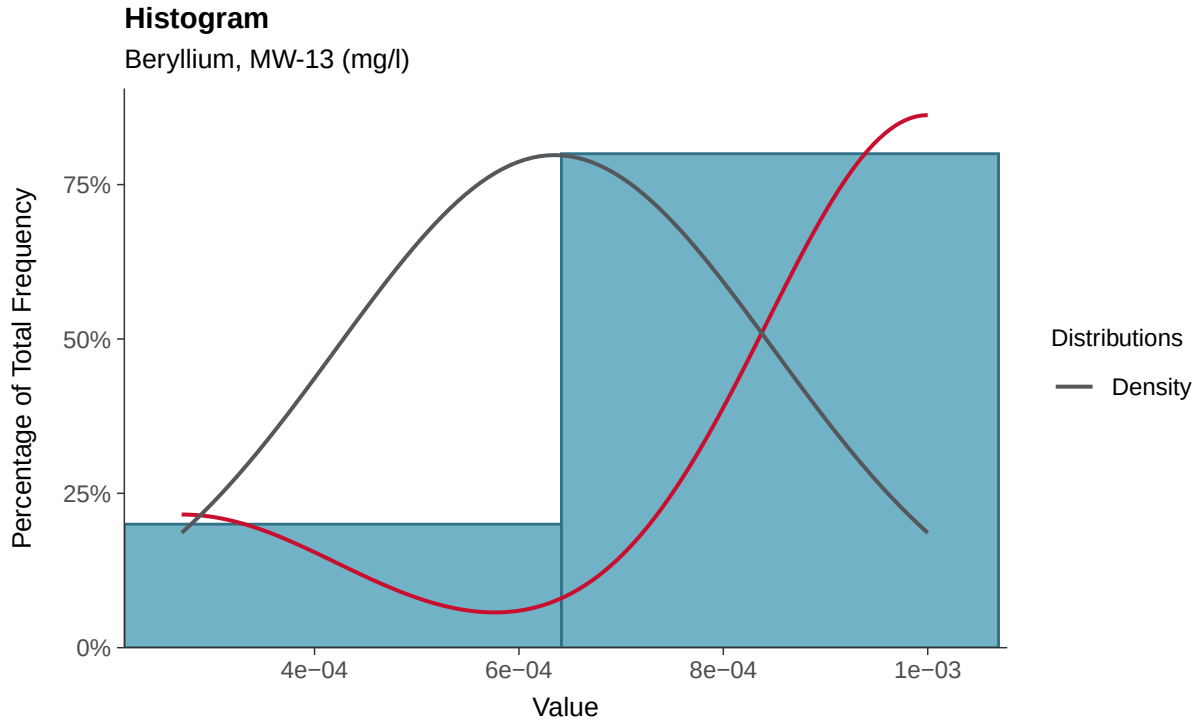
Barium, MW-13 (mg/l)



Appendix IV: Beryllium, MW-13

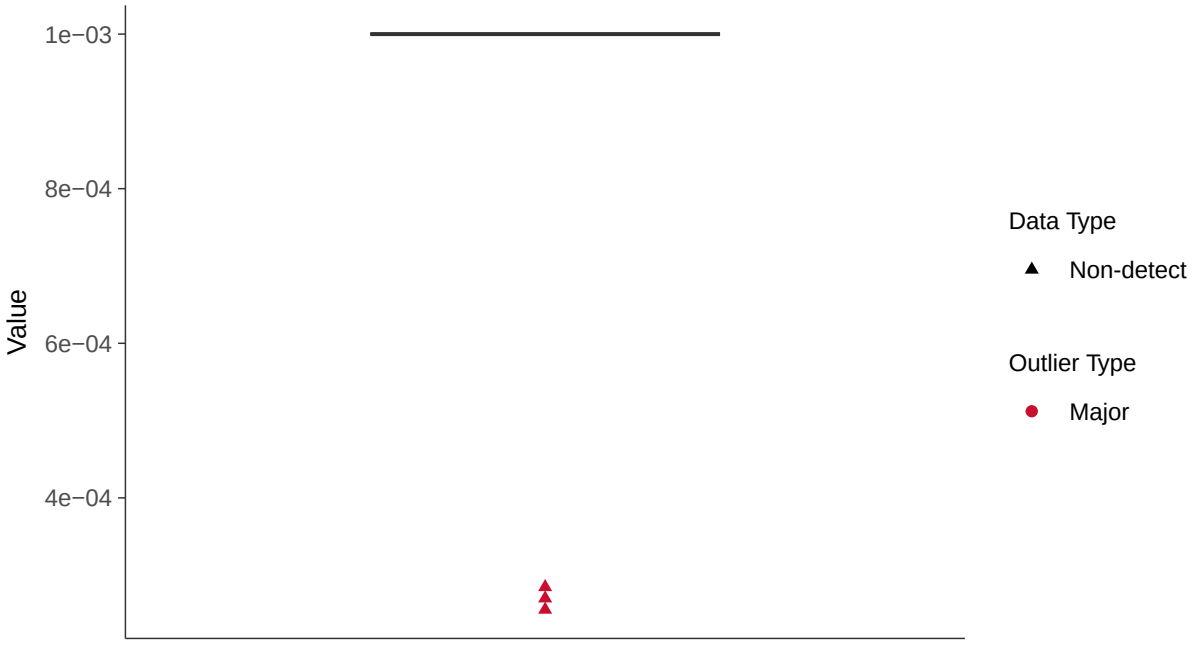
ID: 20_3_104





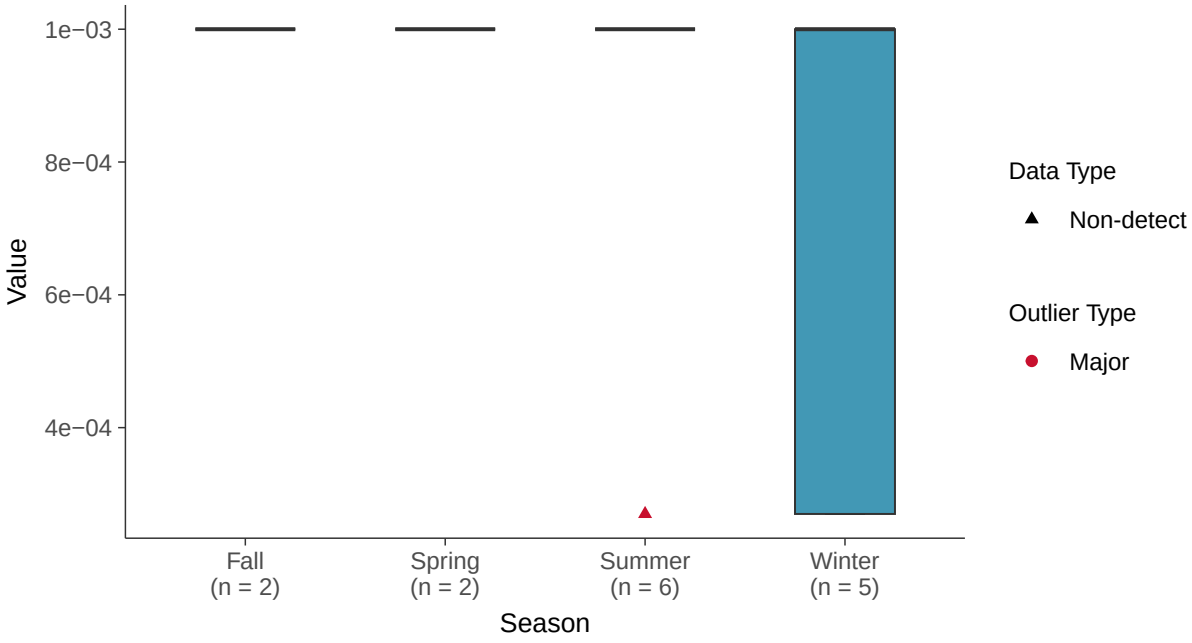
Boxplot

Beryllium, MW-13 (mg/l)



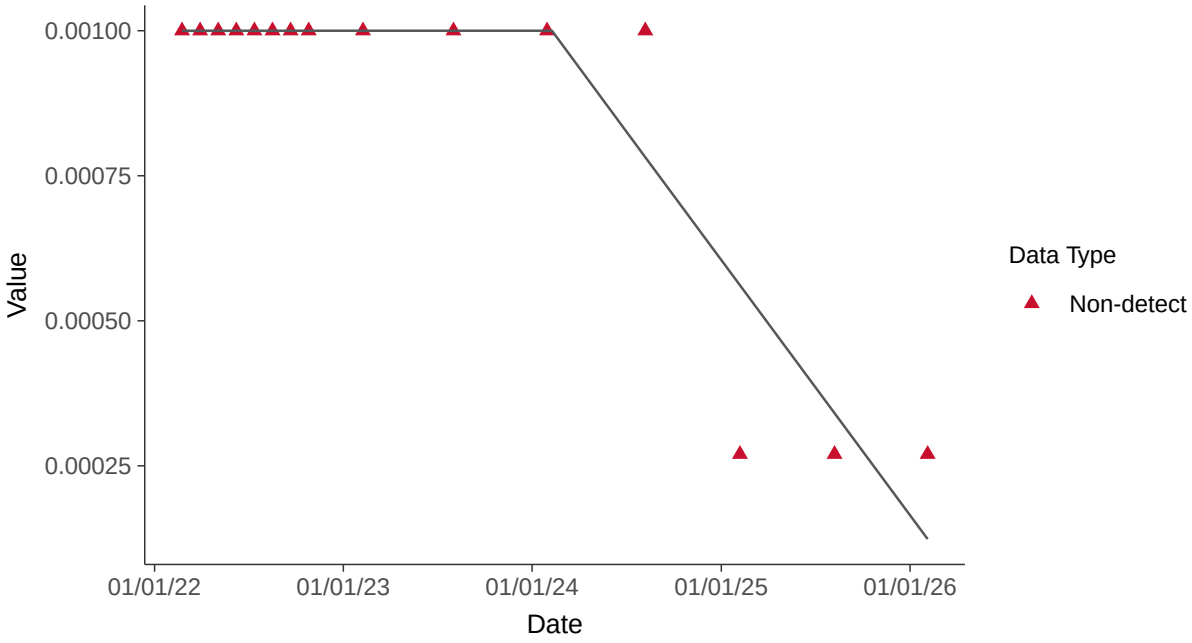
Boxplot by Season

Beryllium, MW-13 (mg/l)



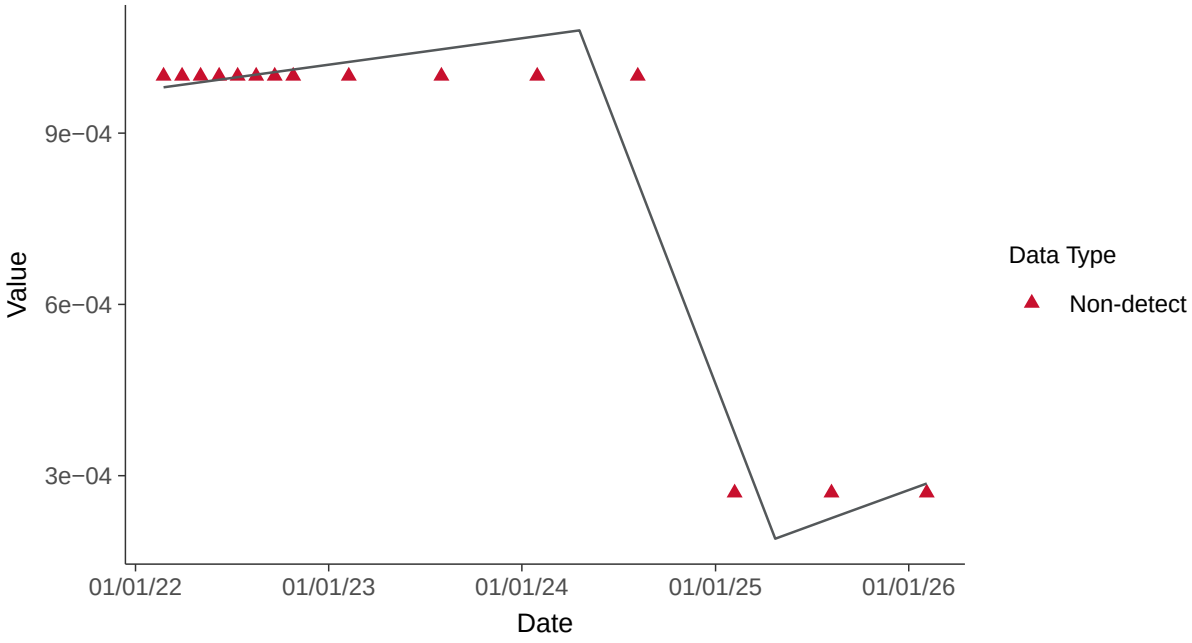
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-13 (mg/l)



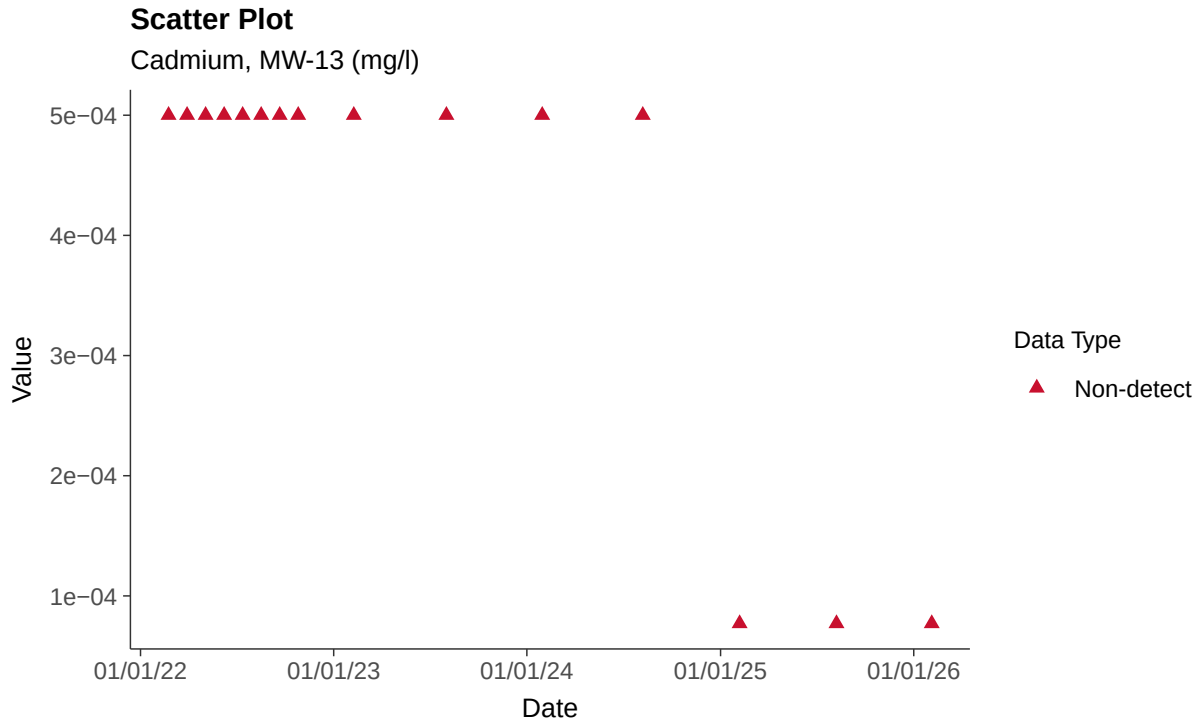
Trend Regression: Piecewise Linear-Linear-Linear

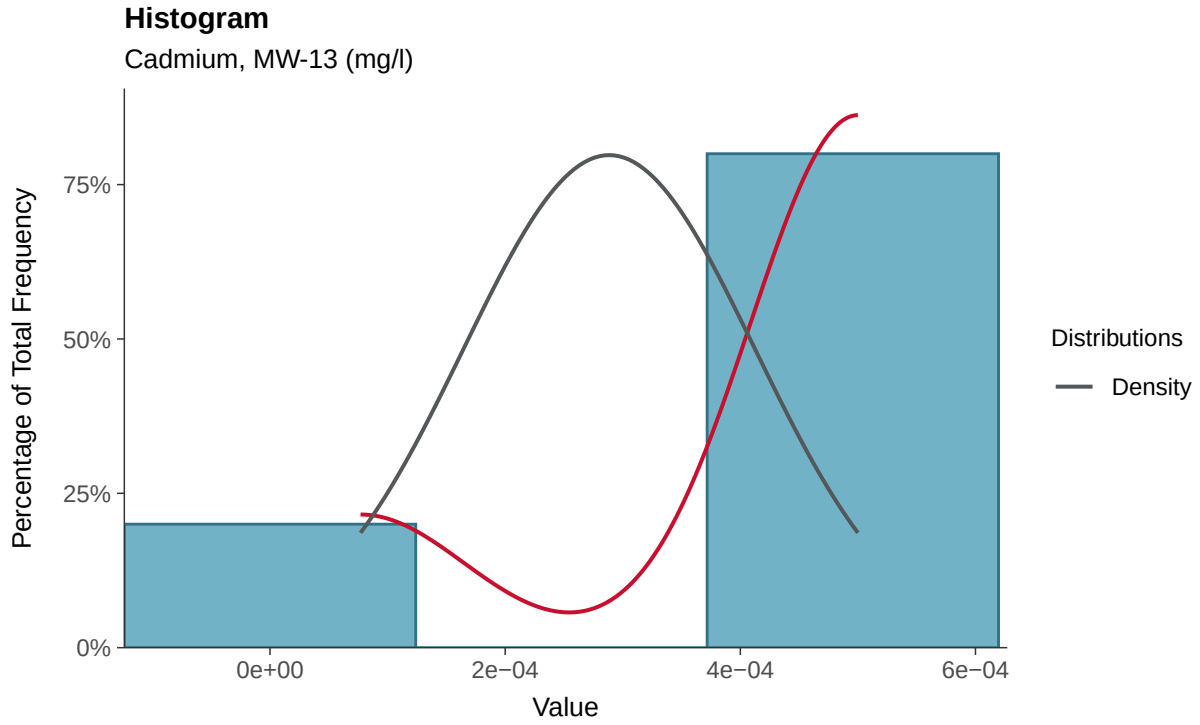
Beryllium, MW-13 (mg/l)



Appendix IV: Cadmium, MW-13

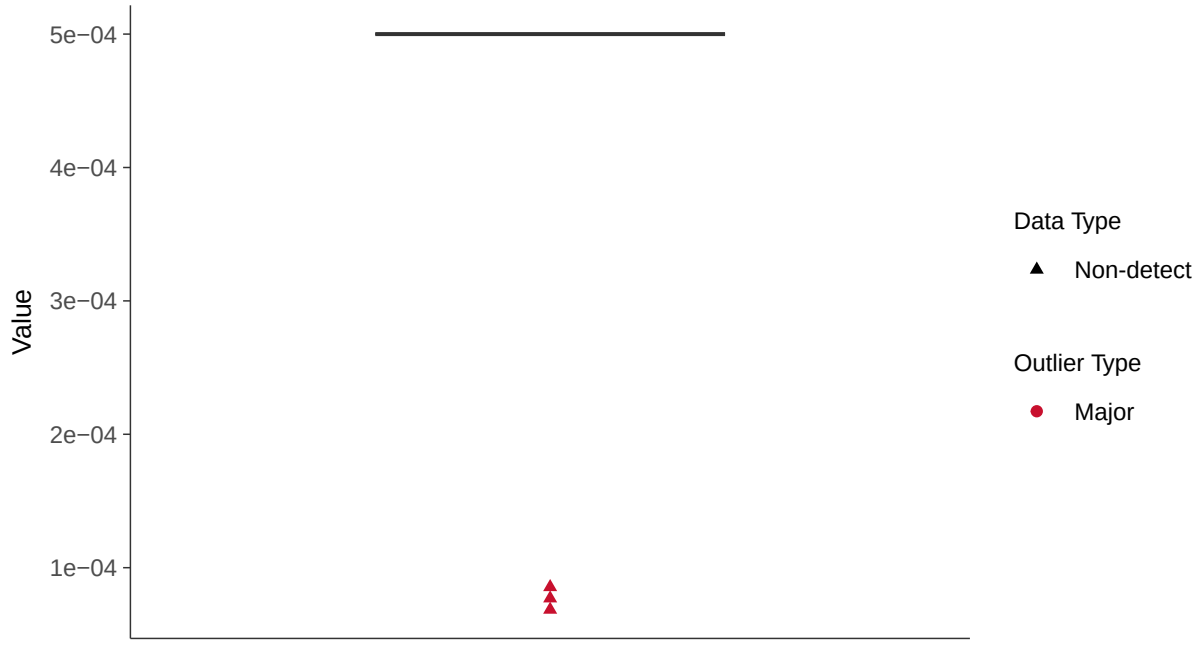
ID: 20_3_106





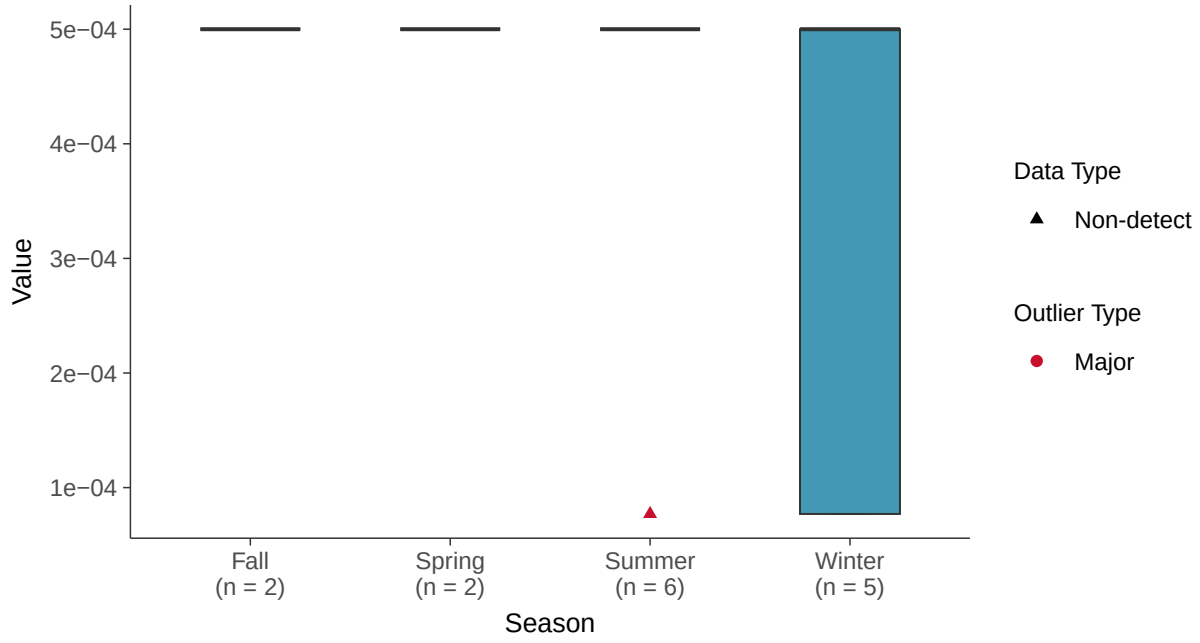
Boxplot

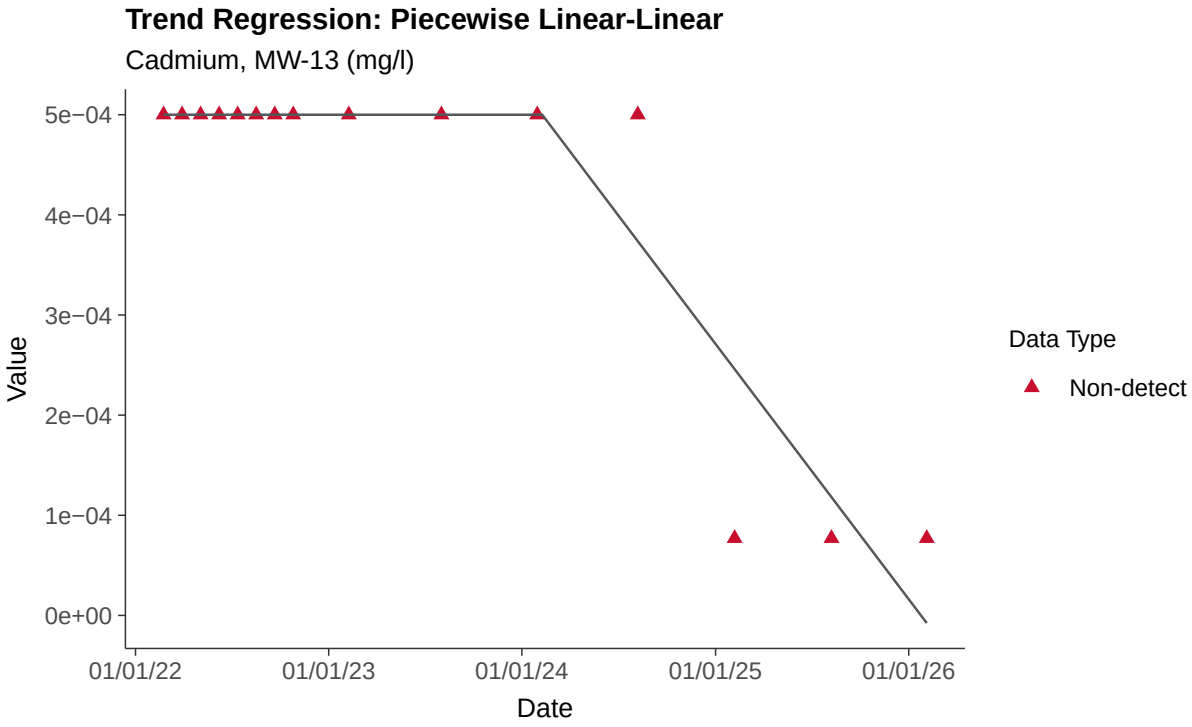
Cadmium, MW-13 (mg/l)



Boxplot by Season

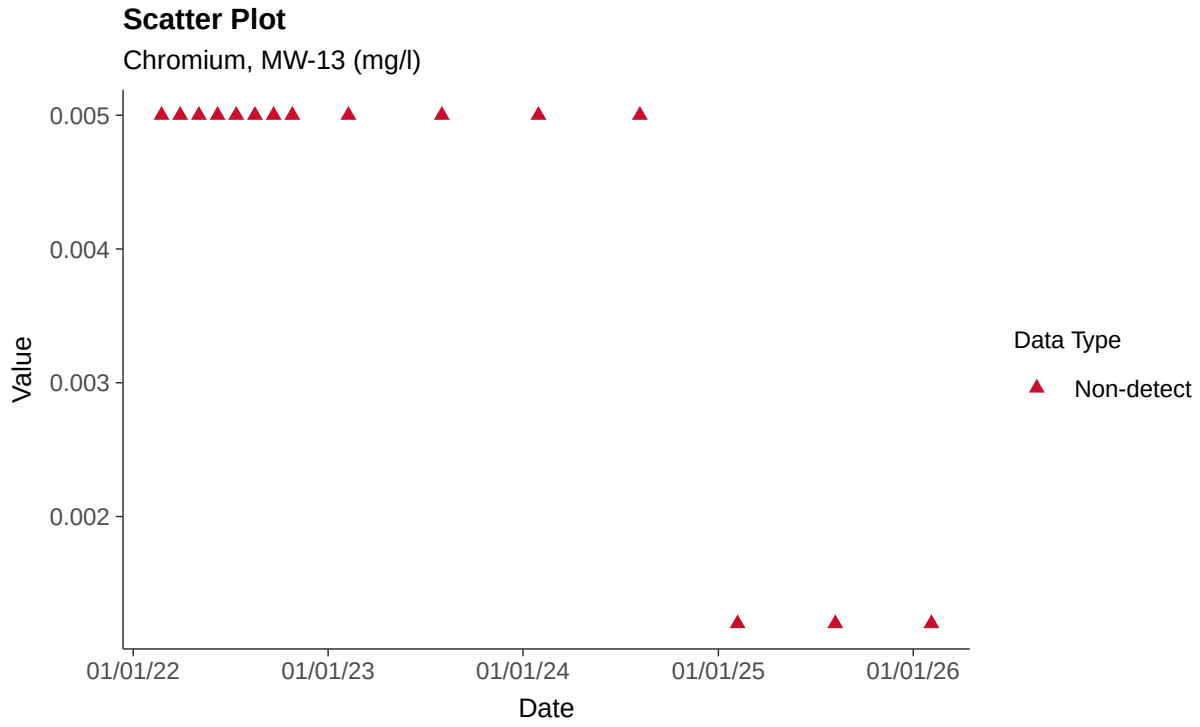
Cadmium, MW-13 (mg/l)

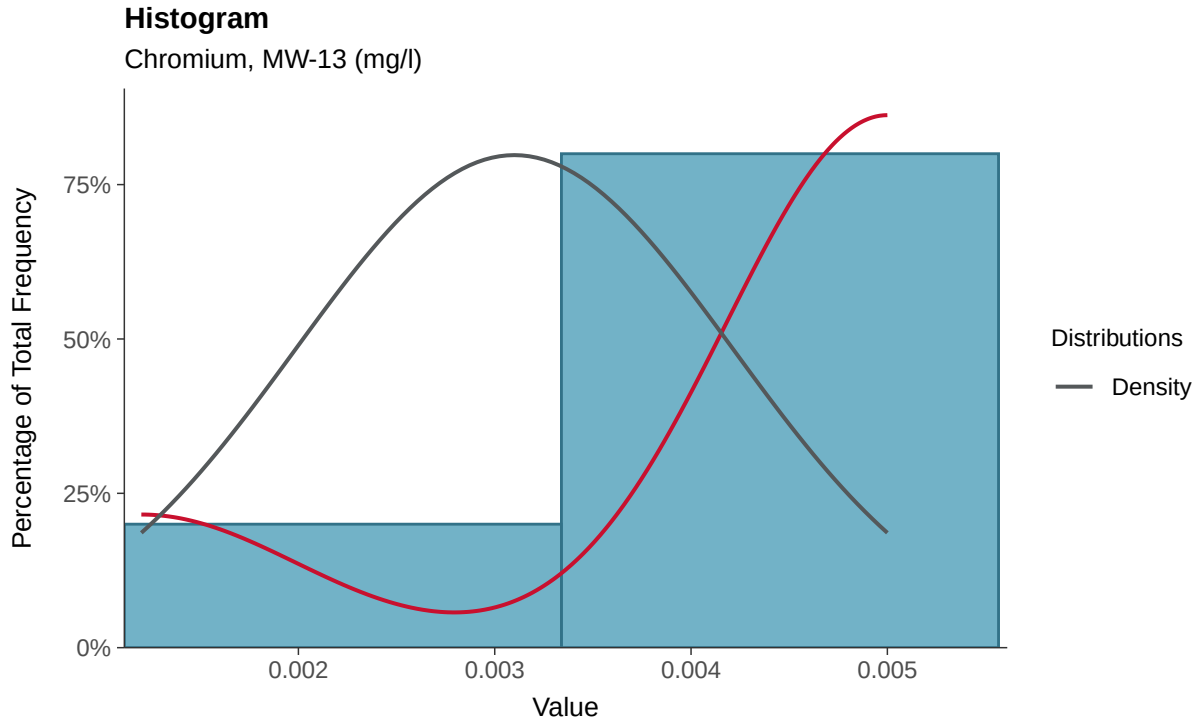



Trend Regression: Piecewise Linear-Linear
Cadmium, MW-13 (mg/l)
5e−04
4e−04
3e−04
2e−04
1e−04
0e+00
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Chromium, MW-13

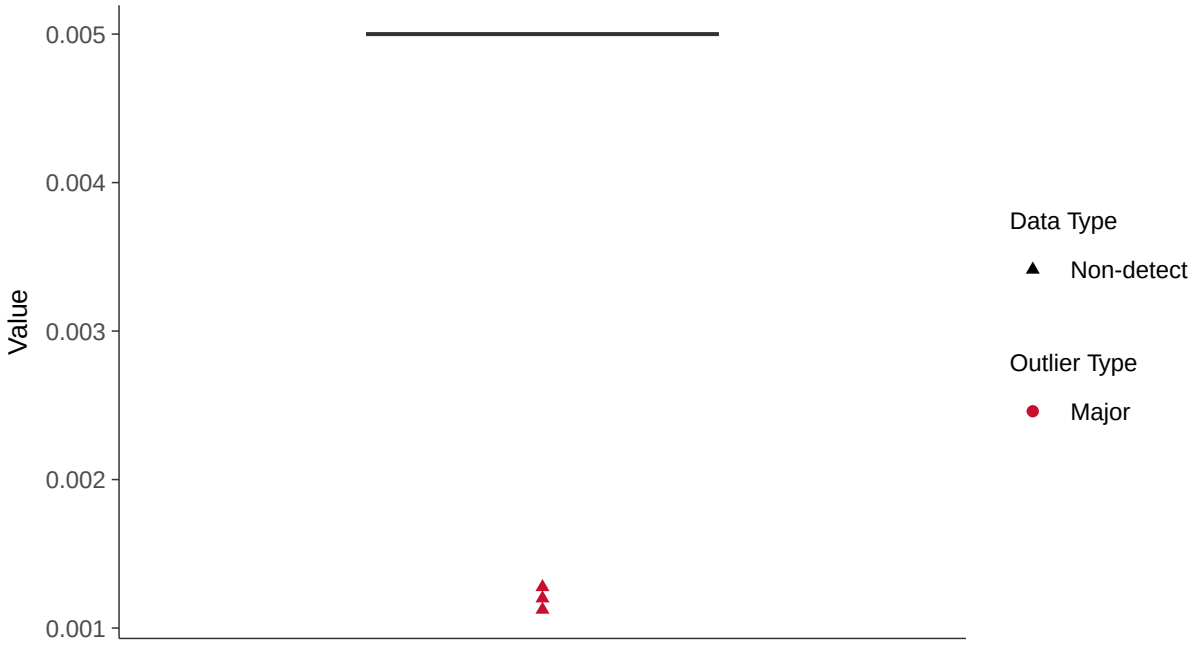
ID: 20_3_109





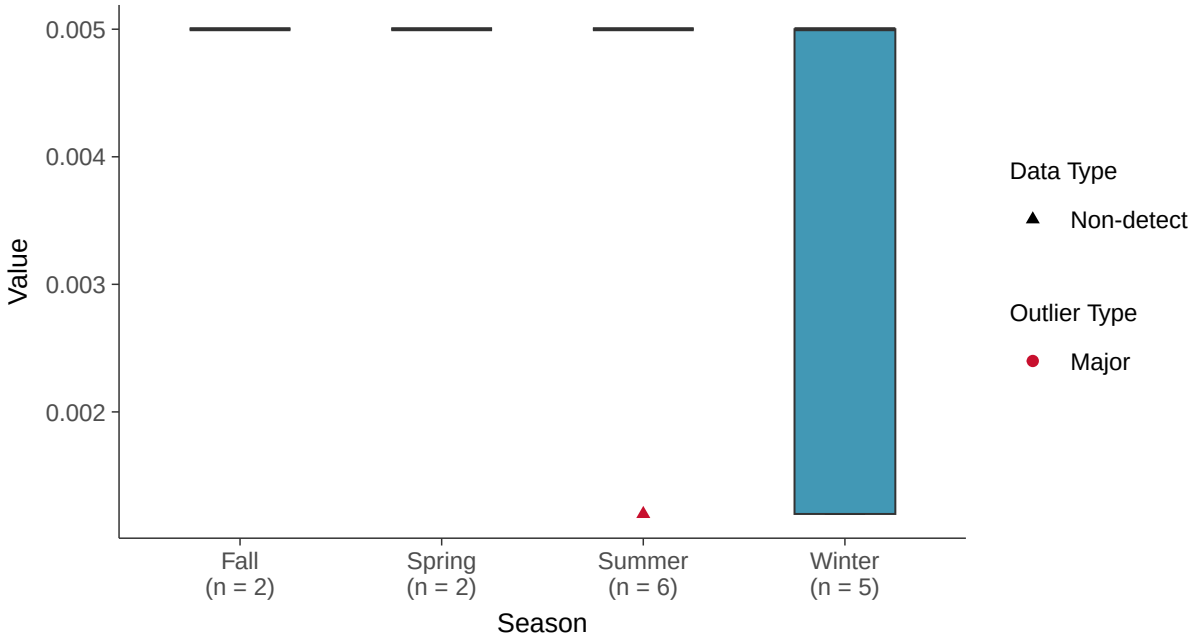
Boxplot

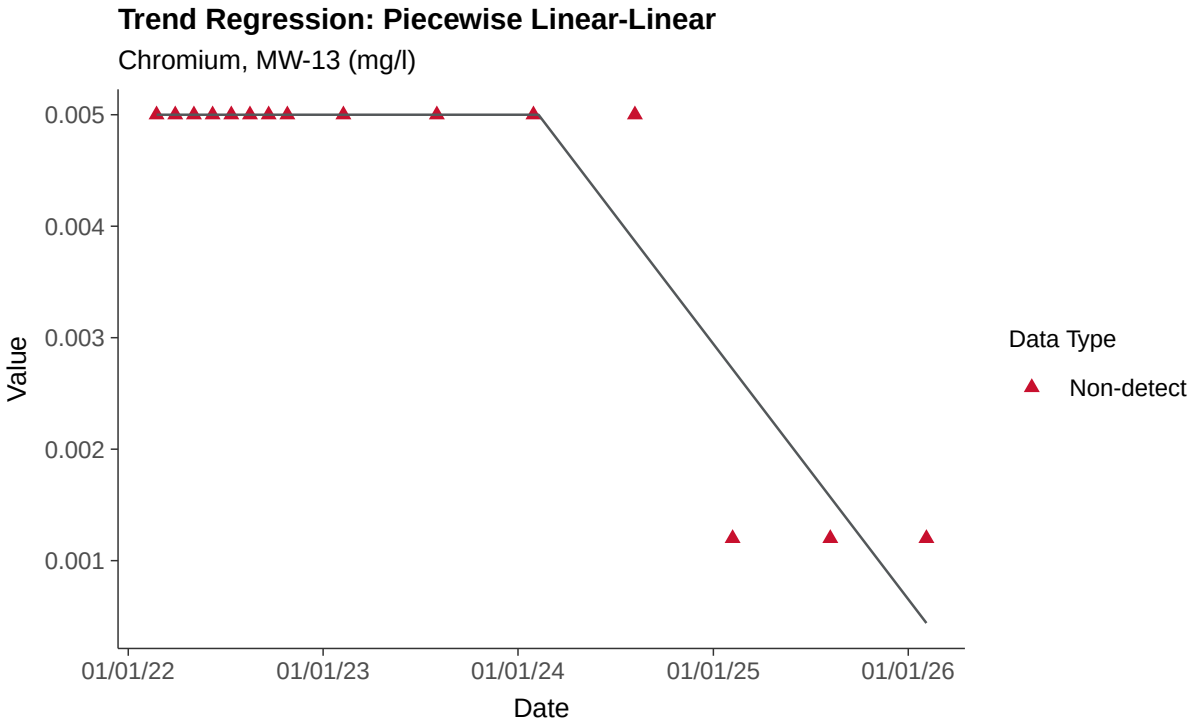
Chromium, MW-13 (mg/l)



Boxplot by Season

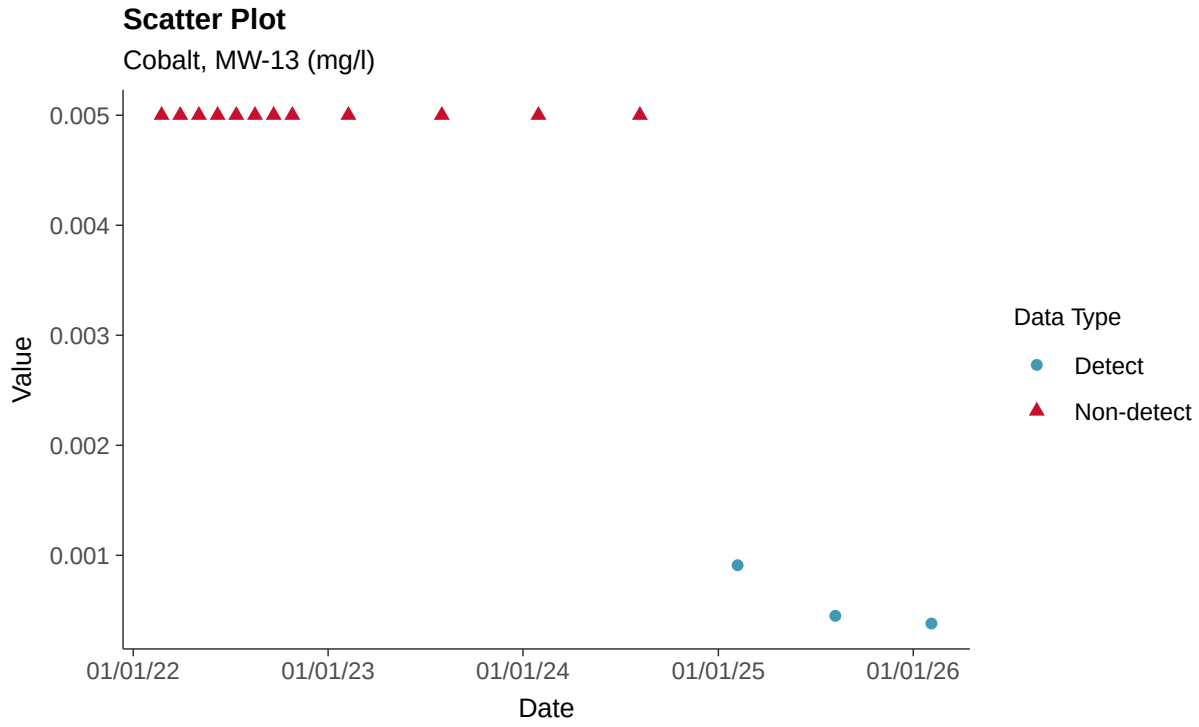
Chromium, MW-13 (mg/l)

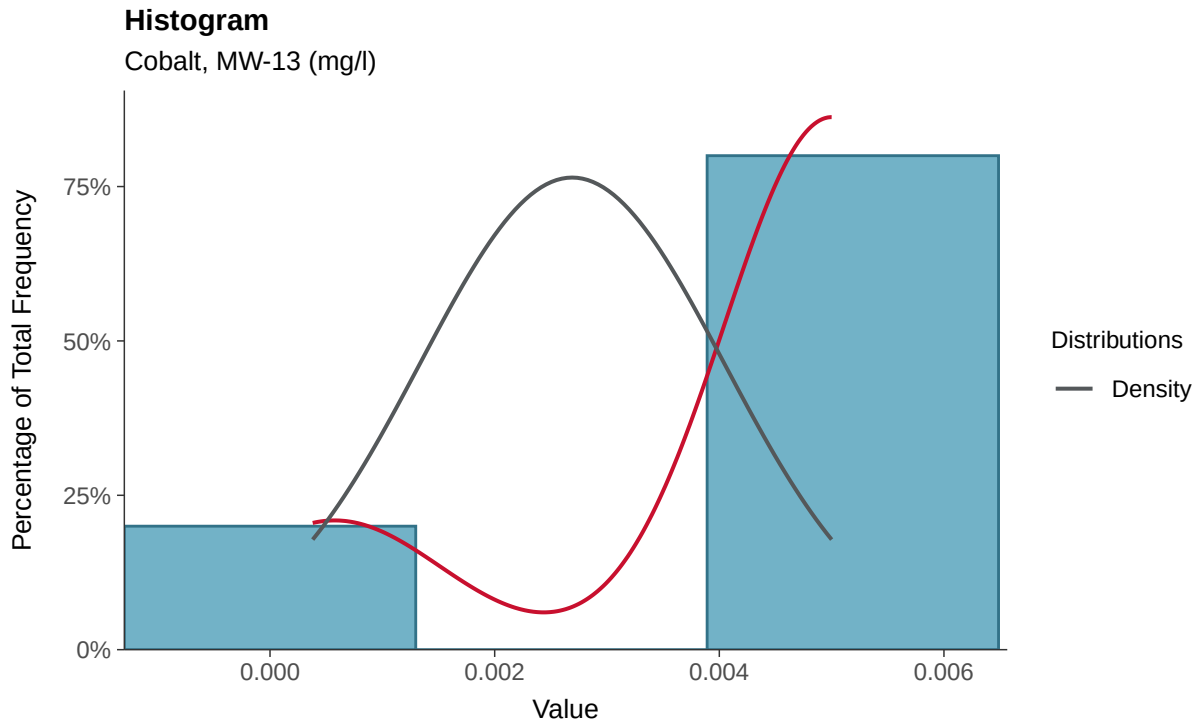



Trend Regression: Piecewise Linear-Linear
Chromium, MW-13 (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cobalt, MW-13

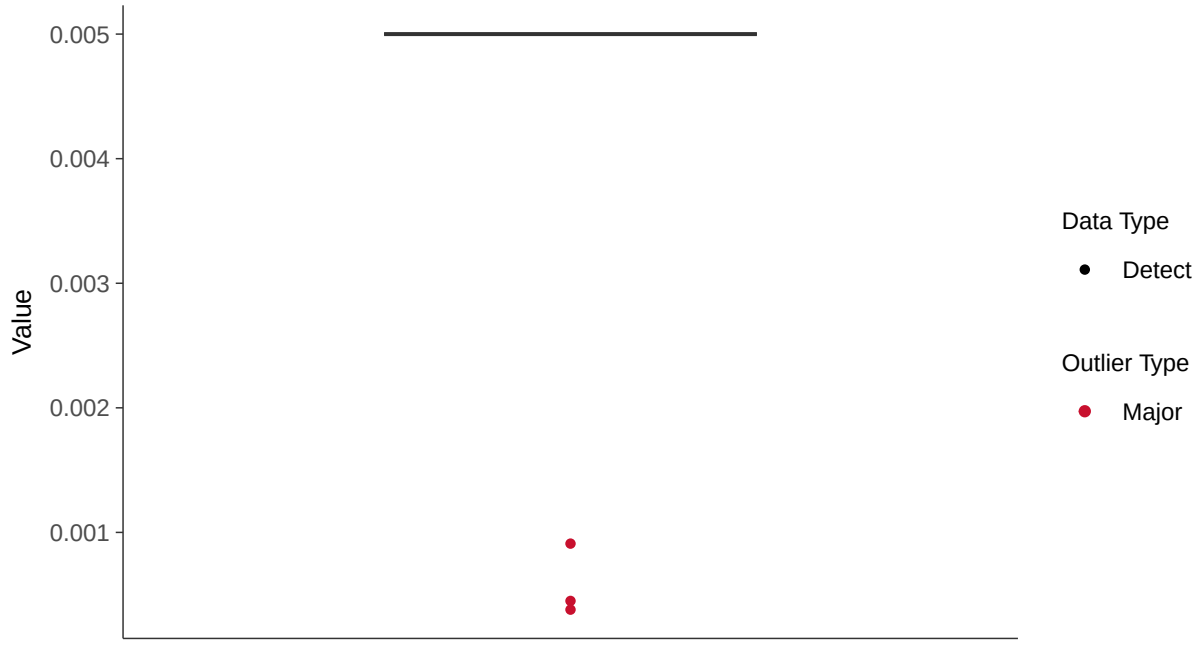
ID: 20_3_110





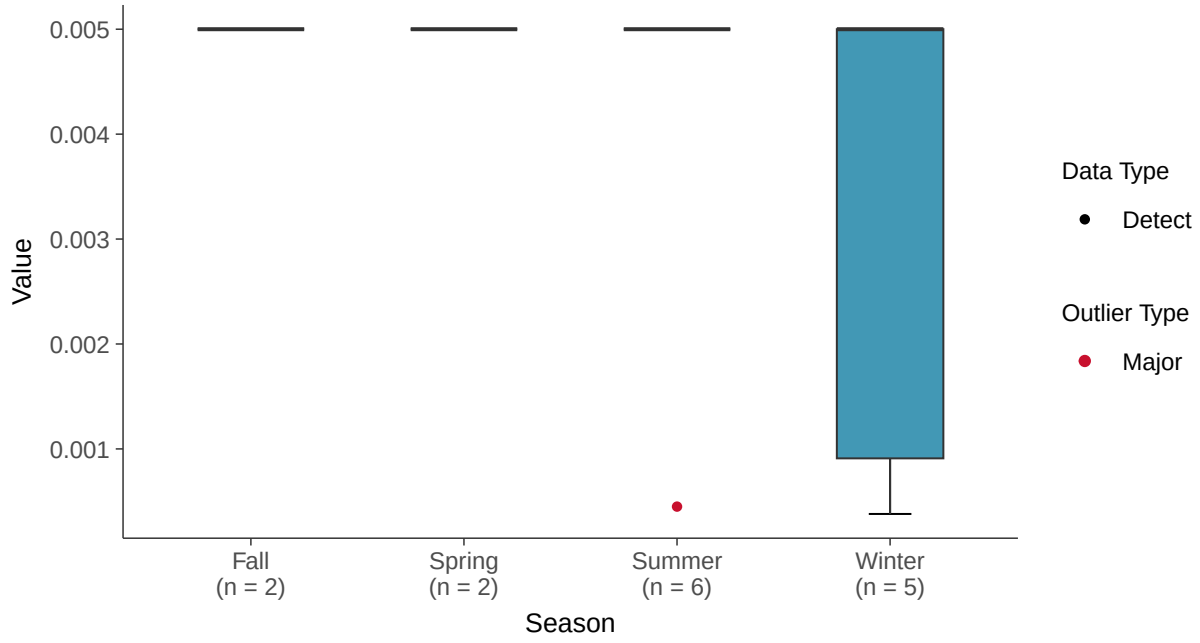
Boxplot

Cobalt, MW-13 (mg/l)



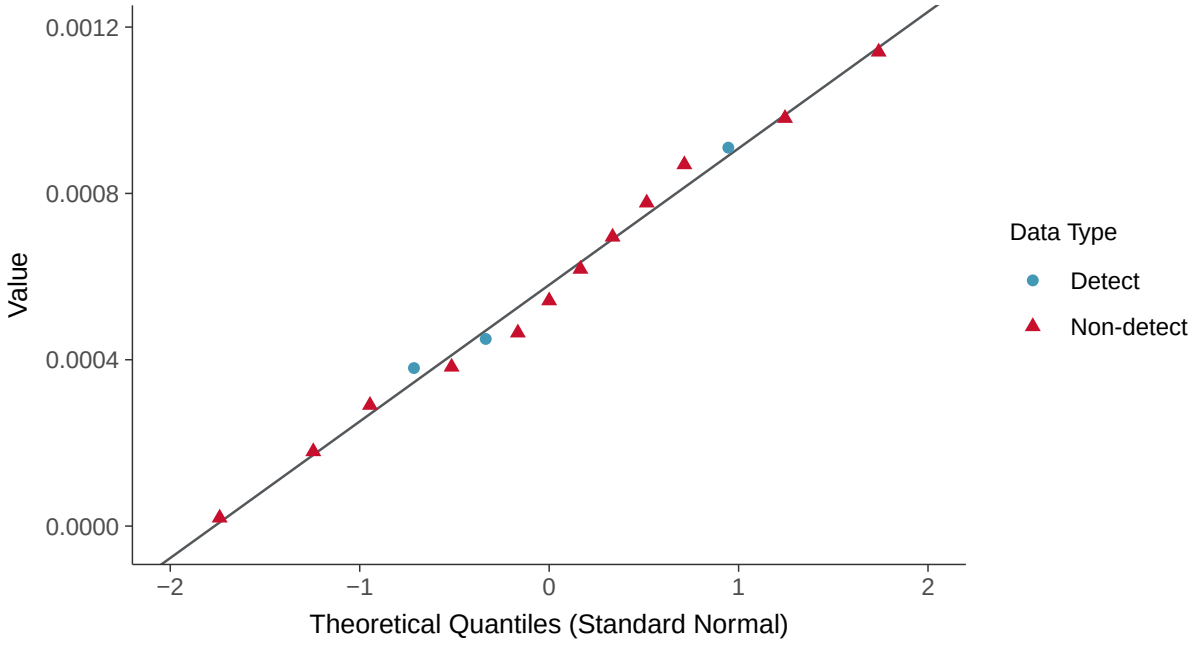
Boxplot by Season

Cobalt, MW-13 (mg/l)



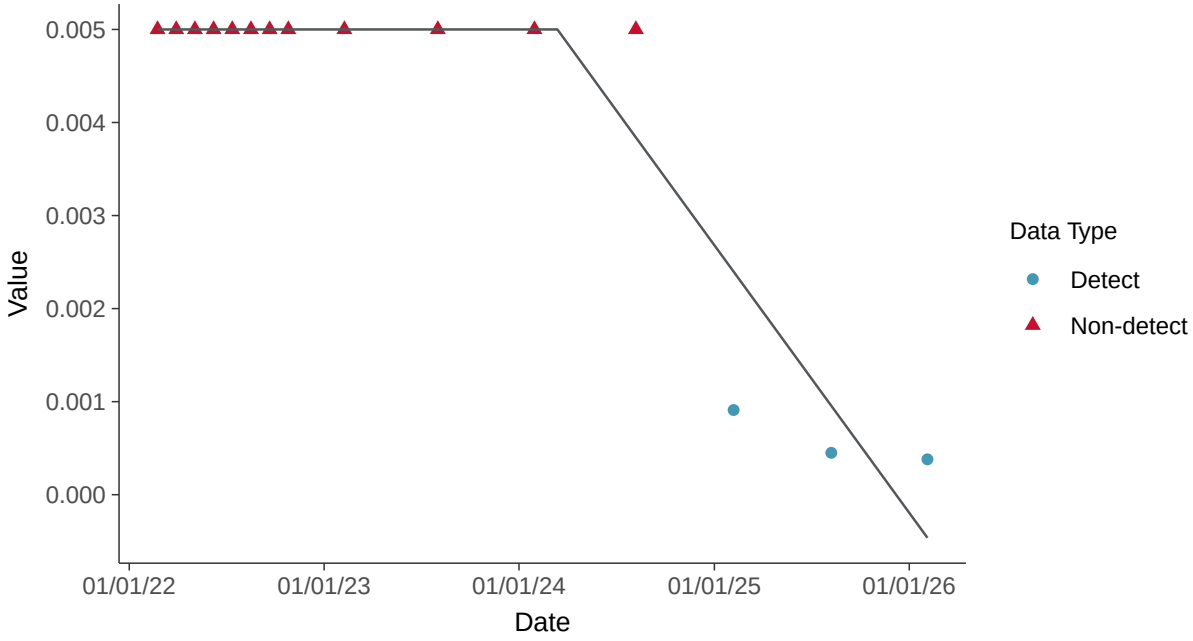
Normal Q-Q plot using ROS Imputed Estimates

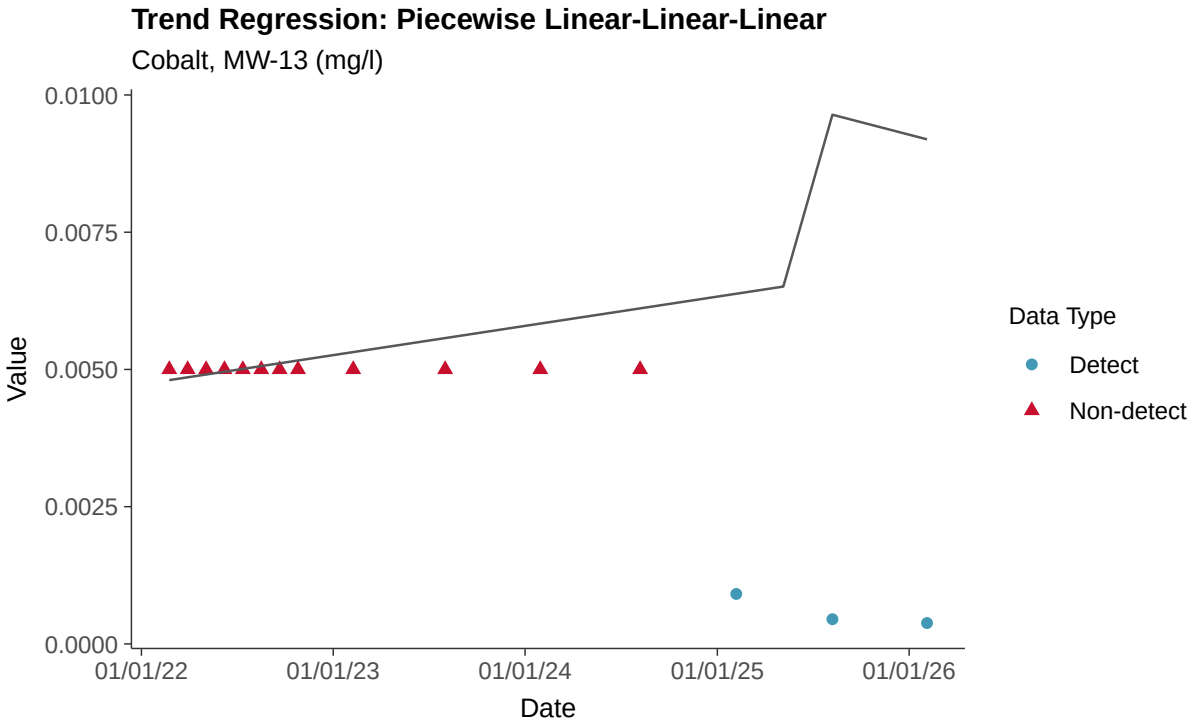
Cobalt, MW-13 (mg/l)



Trend Regression: Piecewise Linear-Linear

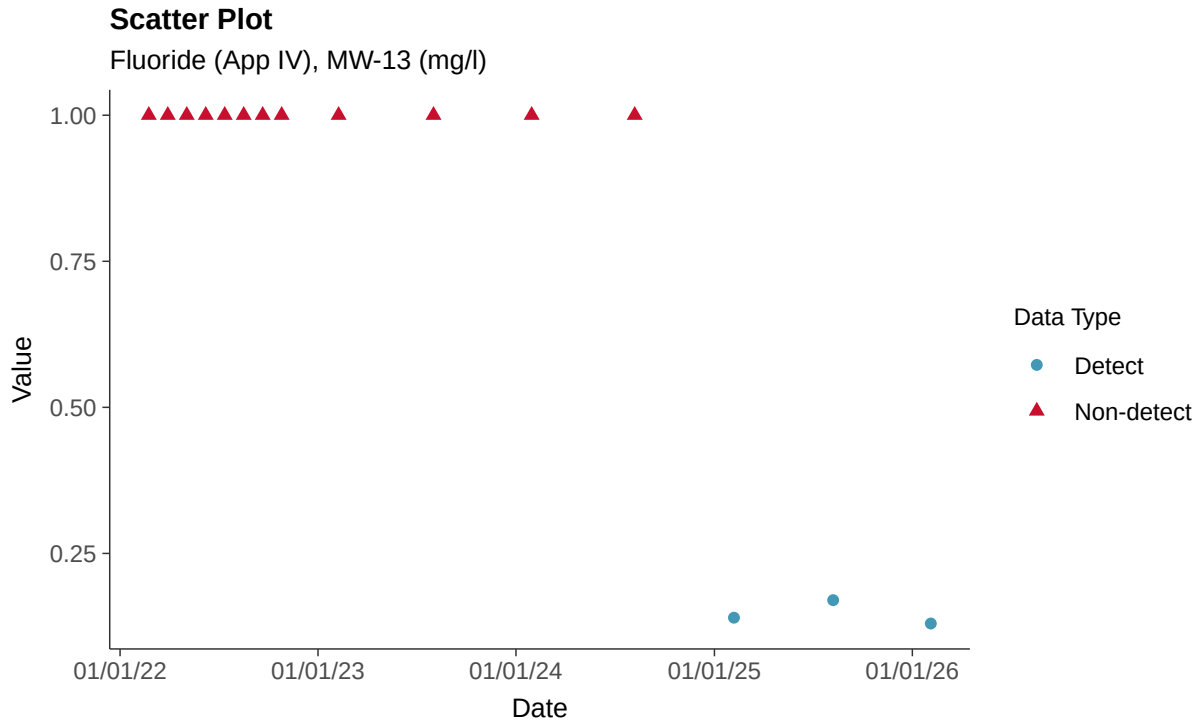
Cobalt, MW-13 (mg/l)

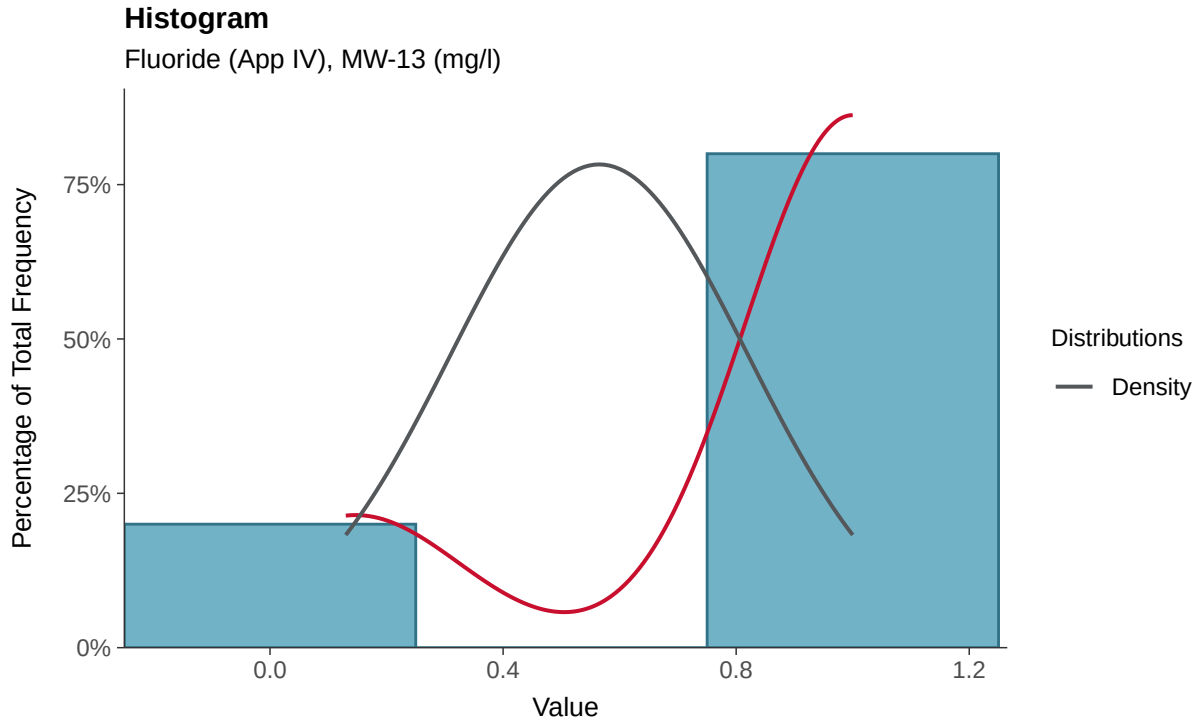



Trend Regression: Piecewise Linear-Linear-Linear
Cobalt, MW-13 (mg/l)
0.0100
0.0075
0.0050
0.0025
0.0000
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Fluoride (App IV), MW-13

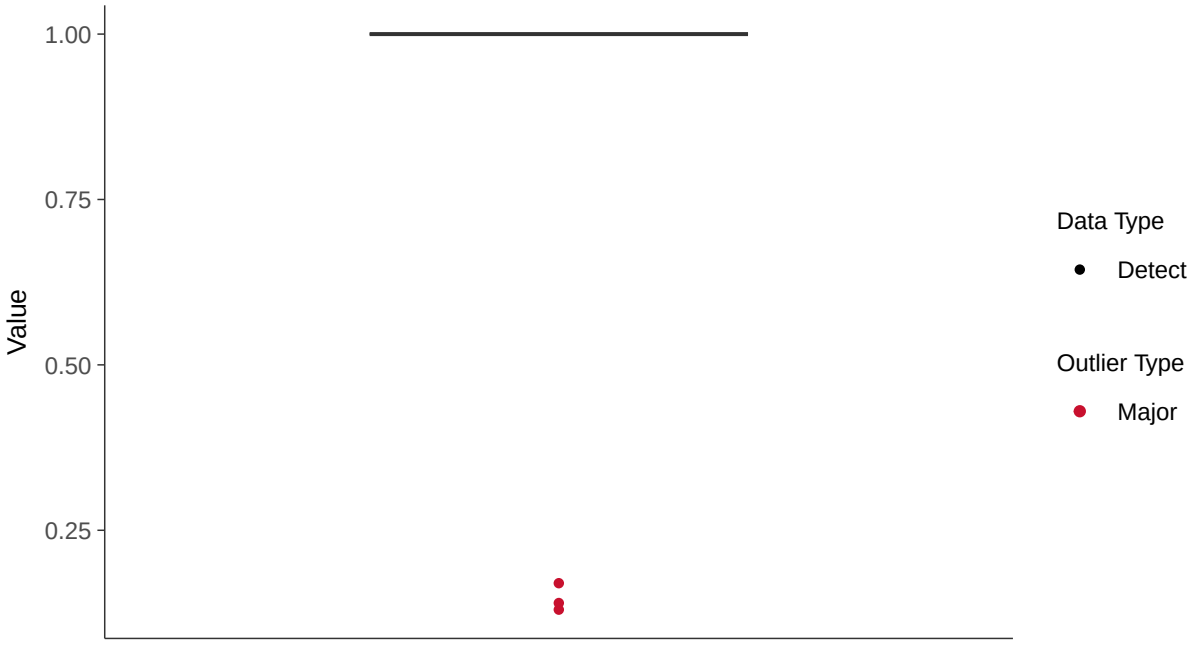
ID: 20_3_113





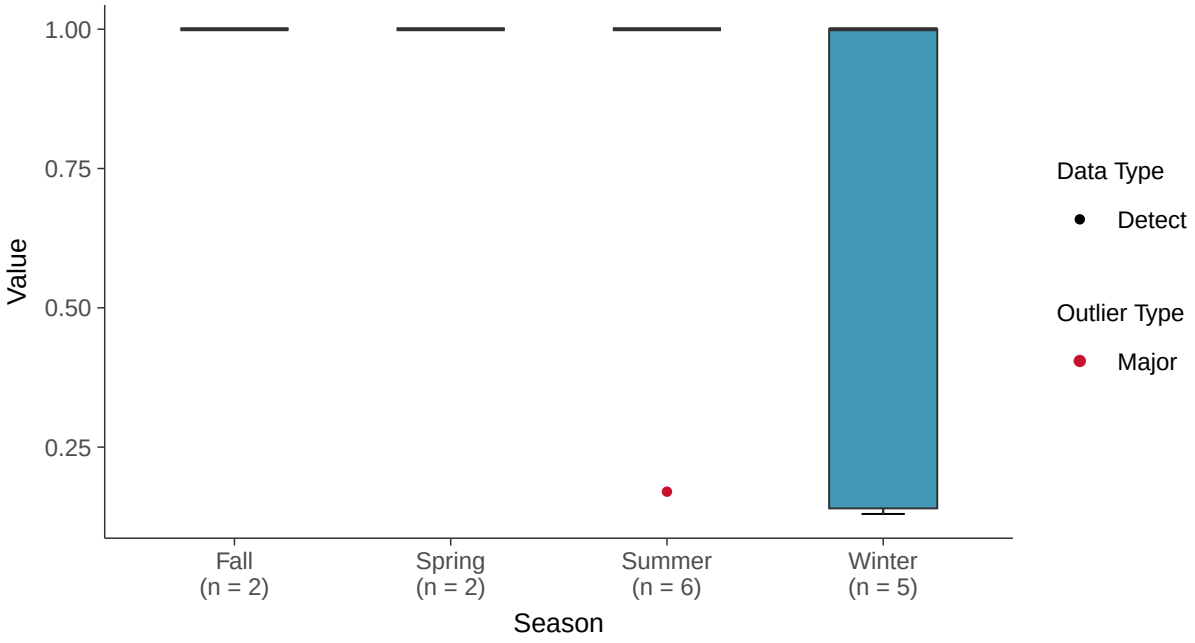
Boxplot

Fluoride (App IV), MW-13 (mg/l)



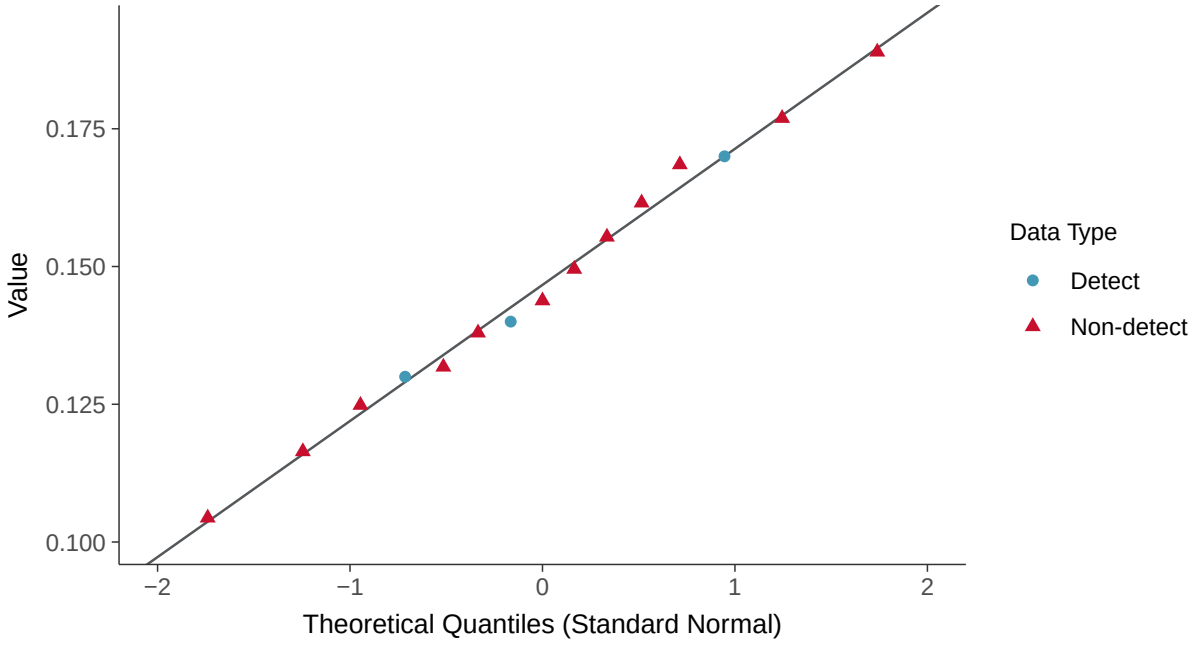
Boxplot by Season

Fluoride (App IV), MW-13 (mg/l)



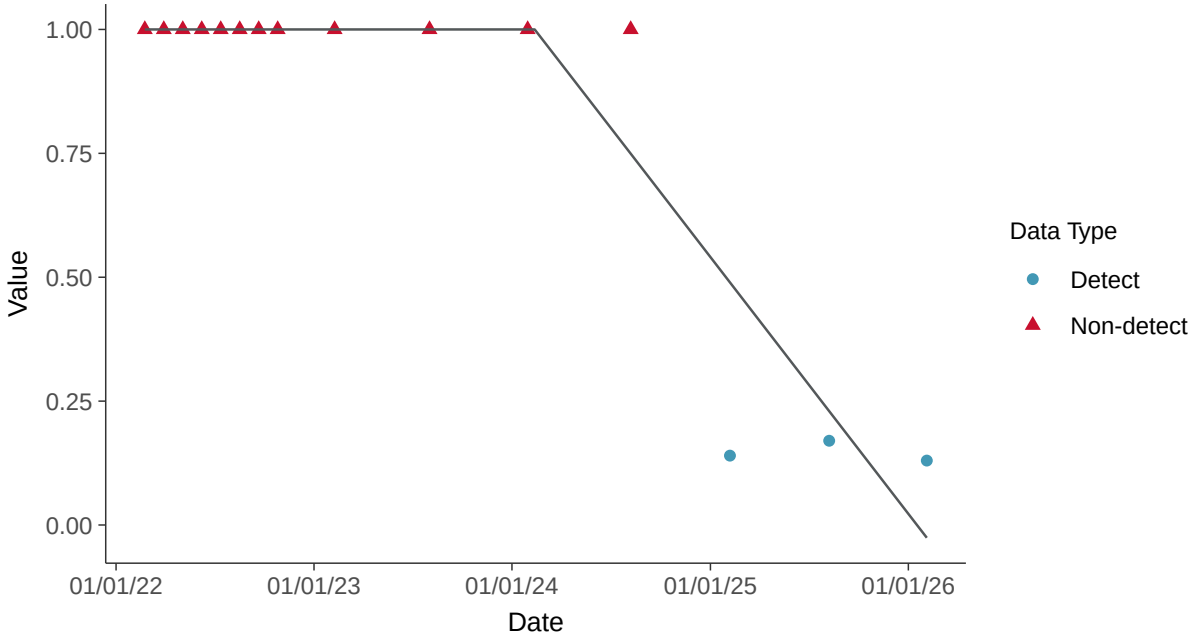
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-13 (mg/l)



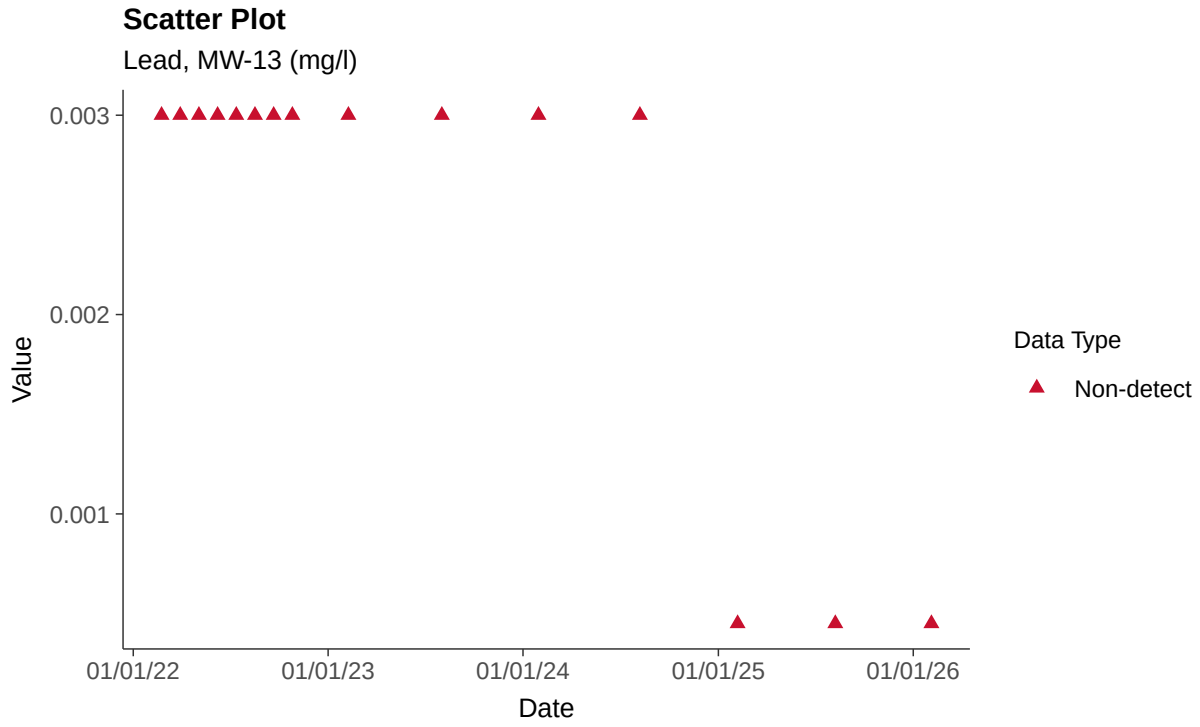
Trend Regression: Piecewise Linear-Linear

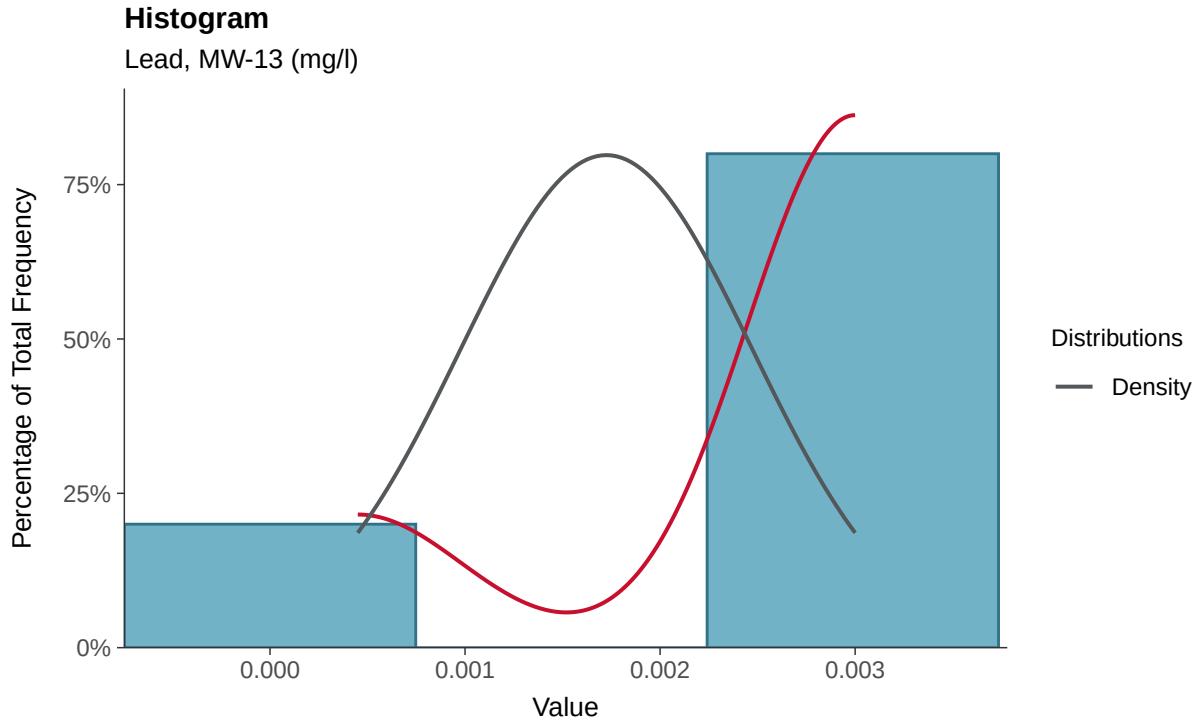
Fluoride (App IV), MW-13 (mg/l)



Appendix IV: Lead, MW-13

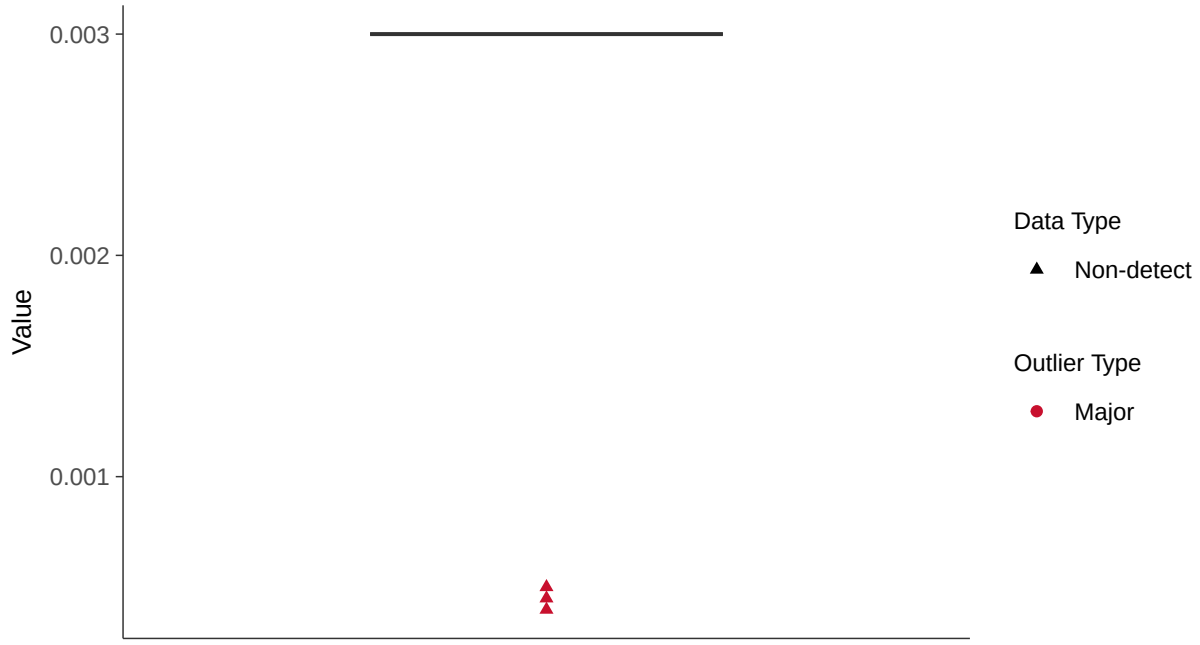
ID: 20_3_115





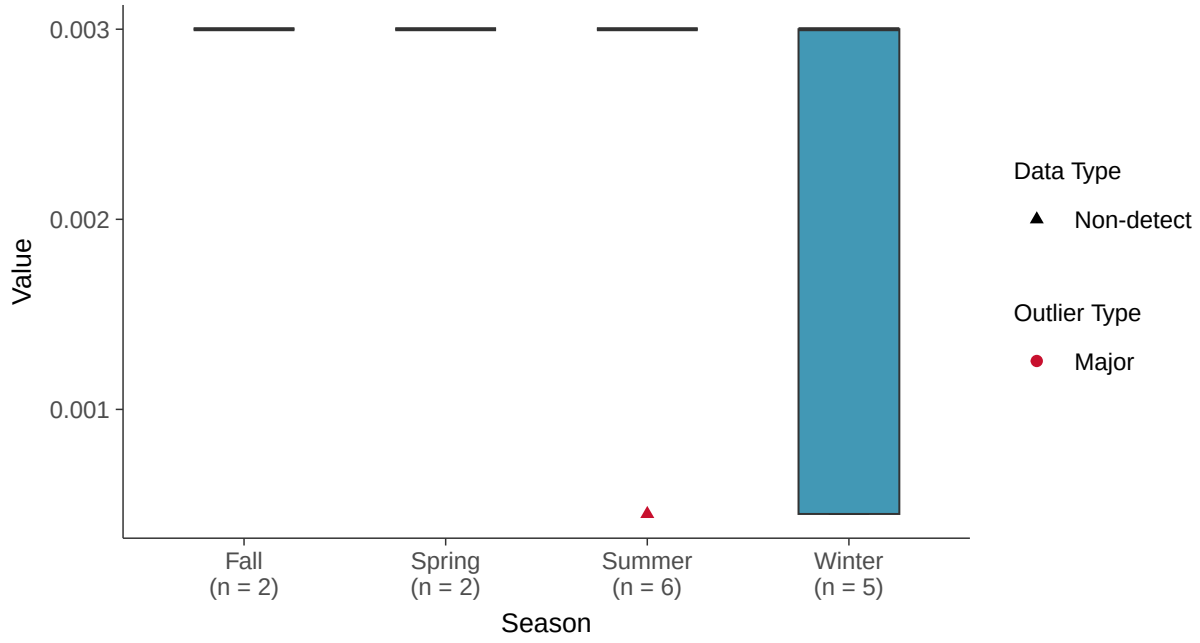
Boxplot

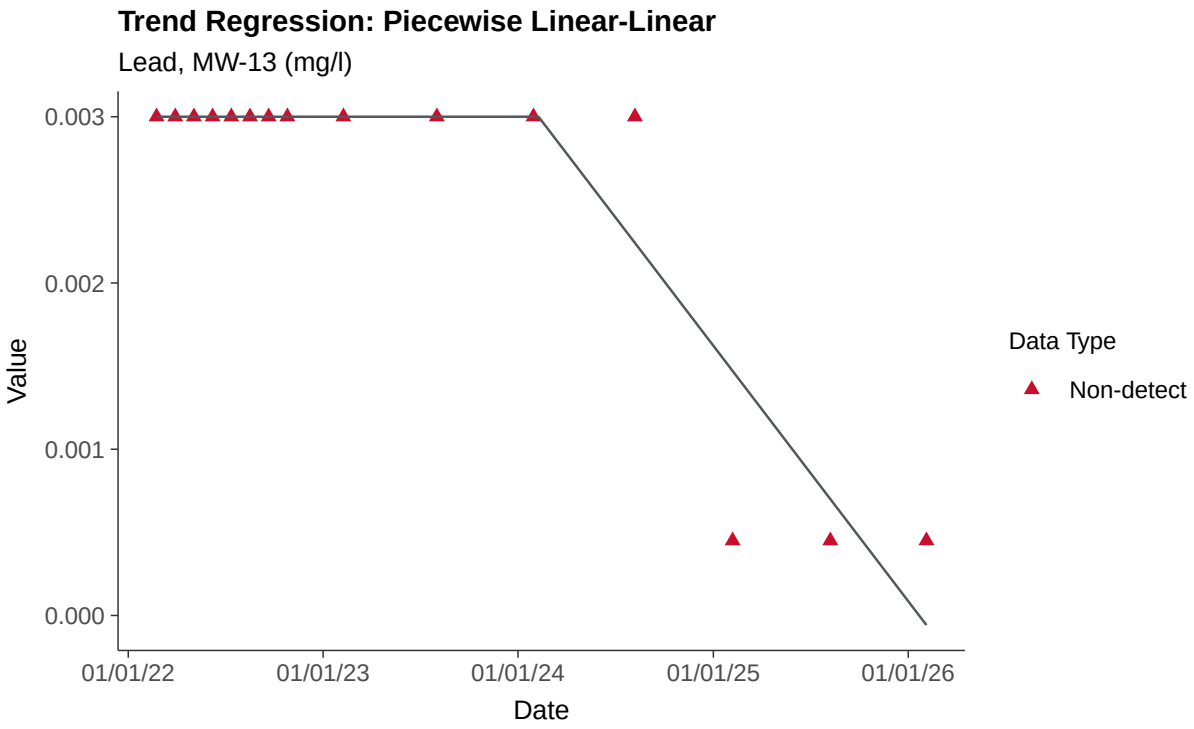
Lead, MW-13 (mg/l)



Boxplot by Season

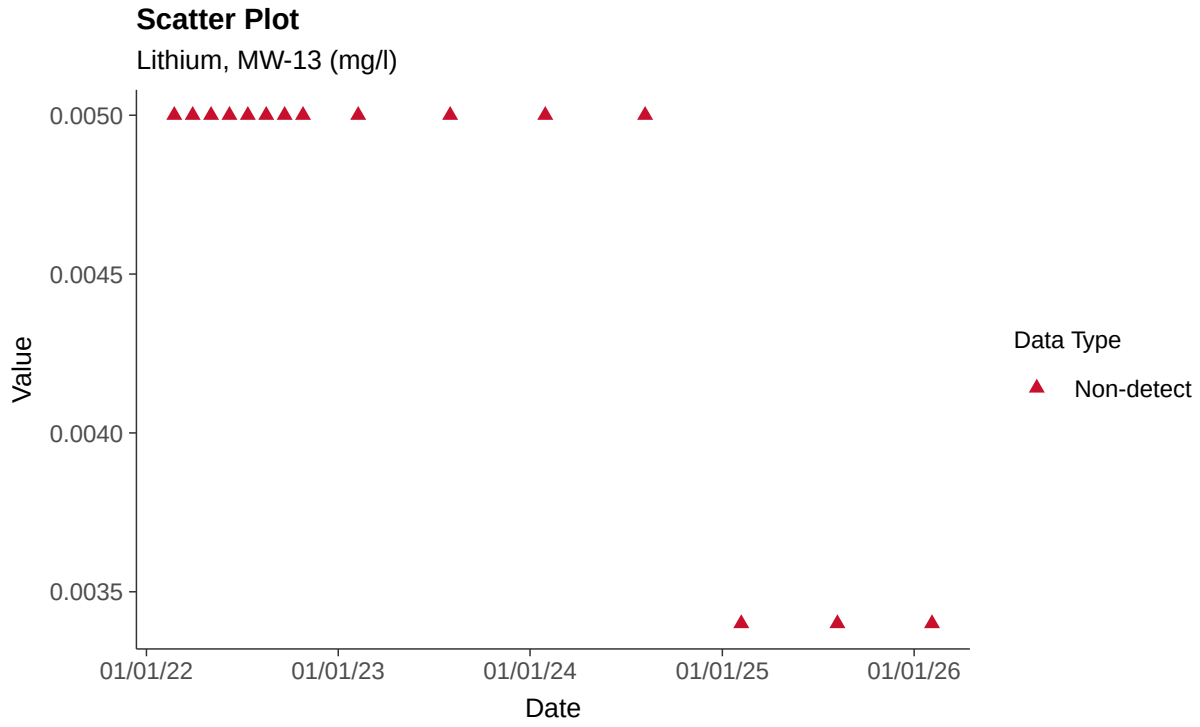
Lead, MW-13 (mg/l)

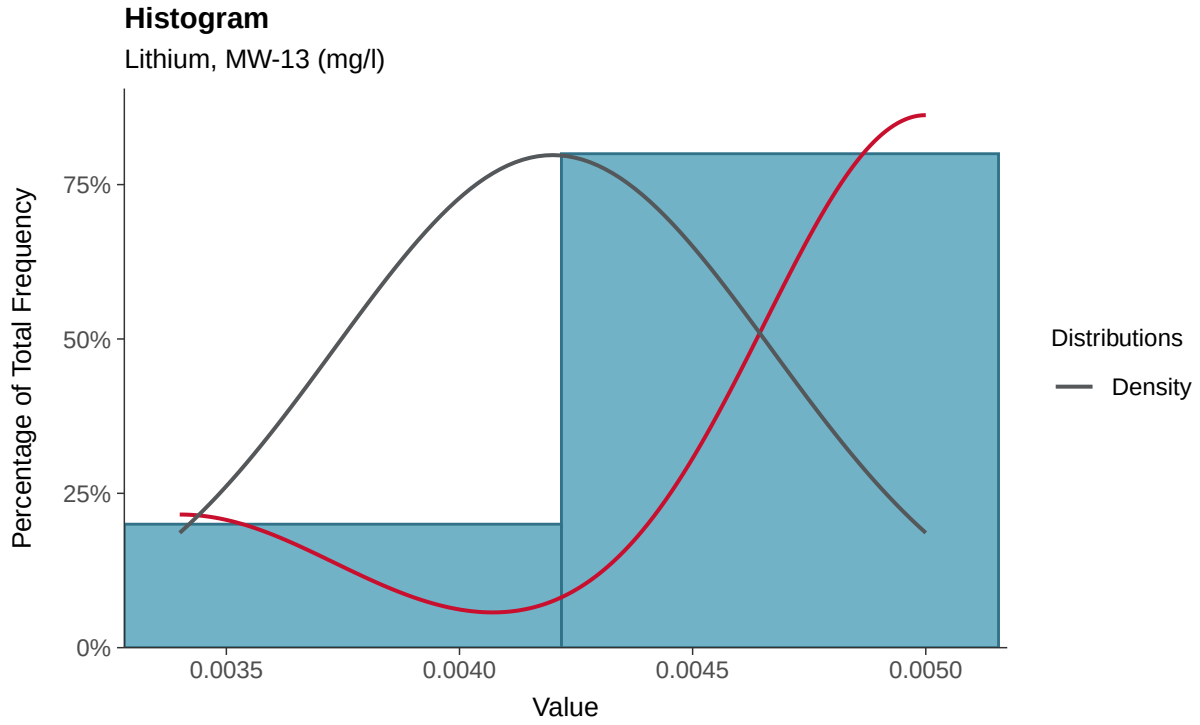



Trend Regression: Piecewise Linear-Linear
Lead, MW-13 (mg/l)
0.003
0.002
0.001
0.000
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Lithium, MW-13

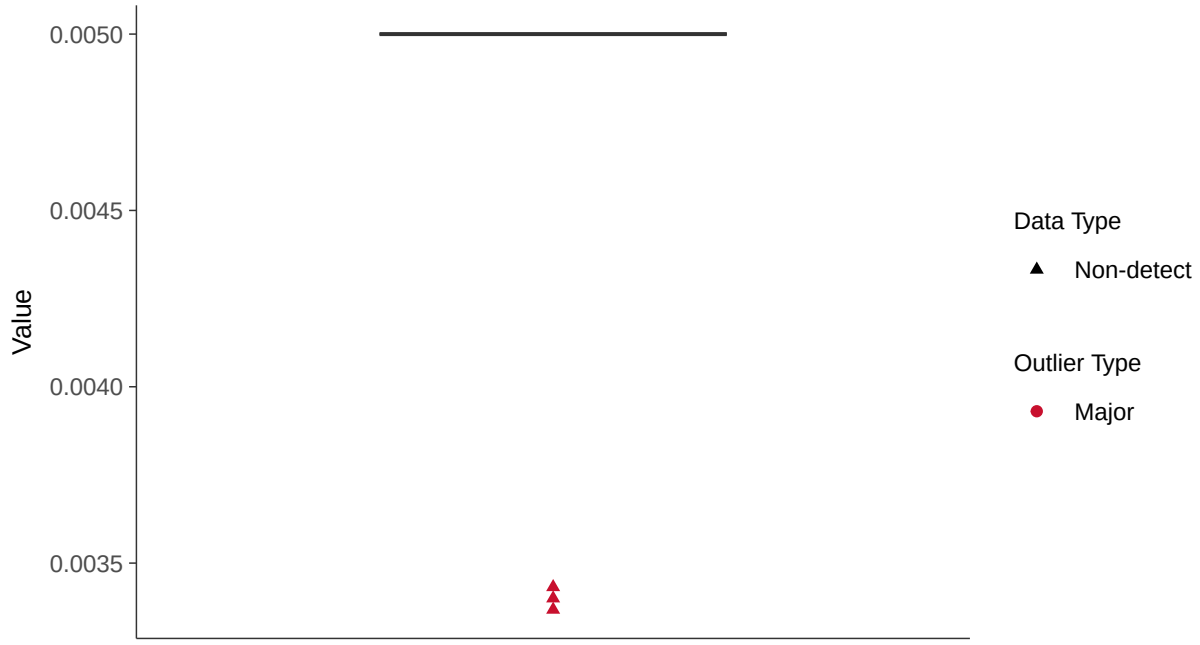
ID: 20_3_116





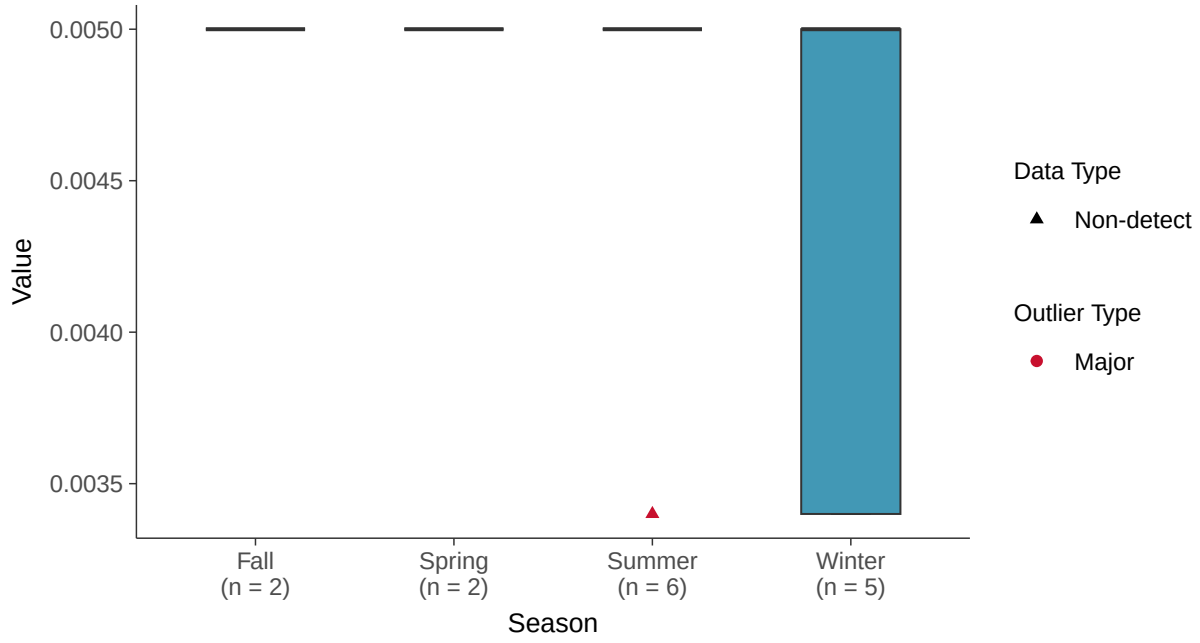
Boxplot

Lithium, MW-13 (mg/l)



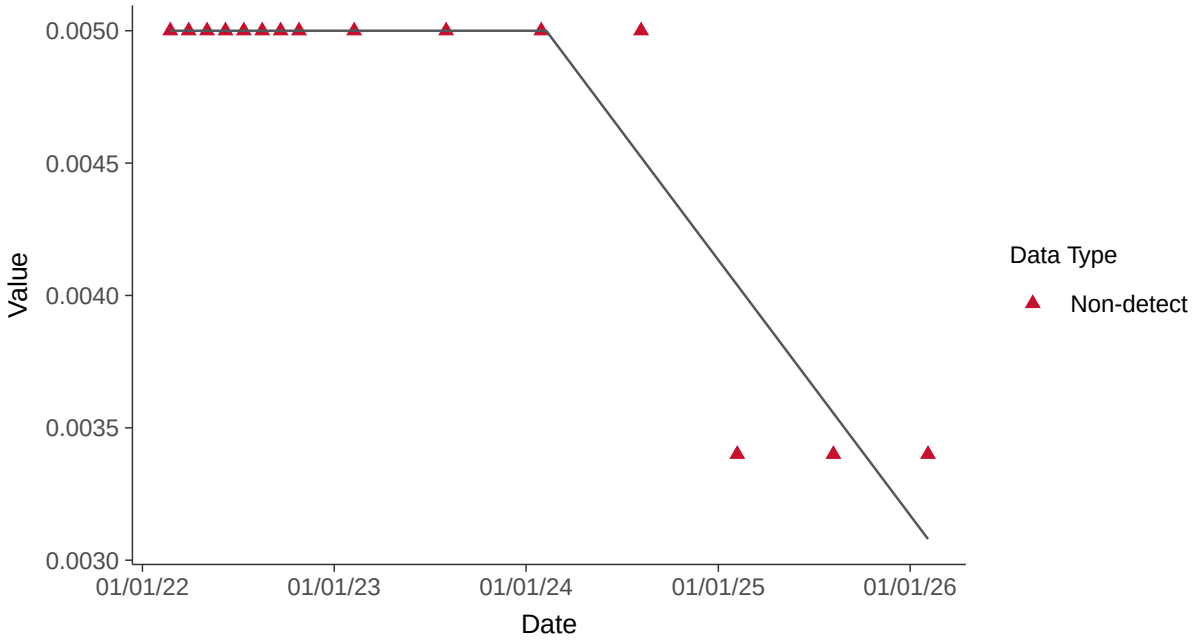
Boxplot by Season

Lithium, MW-13 (mg/l)



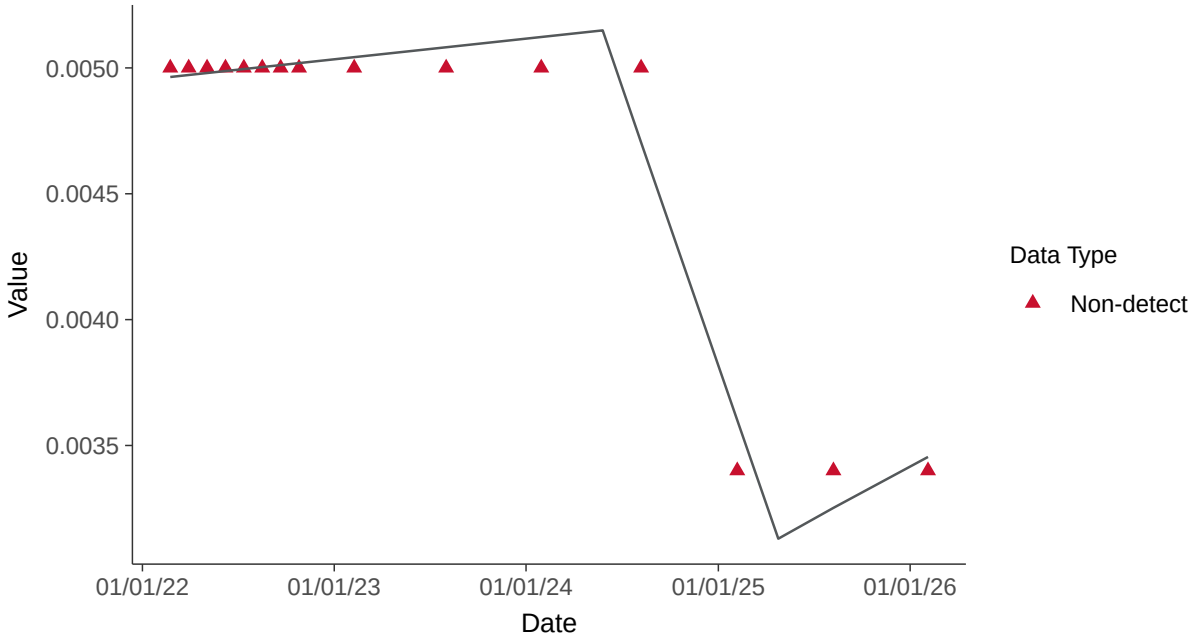
Trend Regression: Piecewise Linear-Linear

Lithium, MW-13 (mg/l)



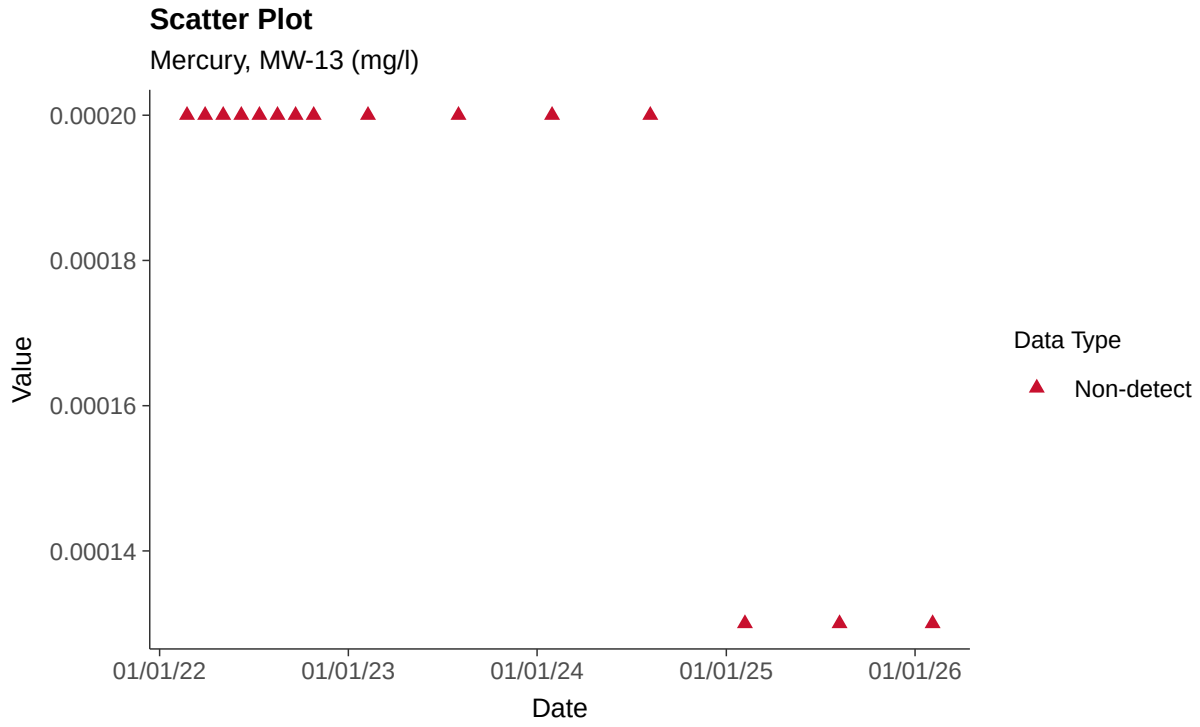
Trend Regression: Piecewise Linear-Linear-Linear

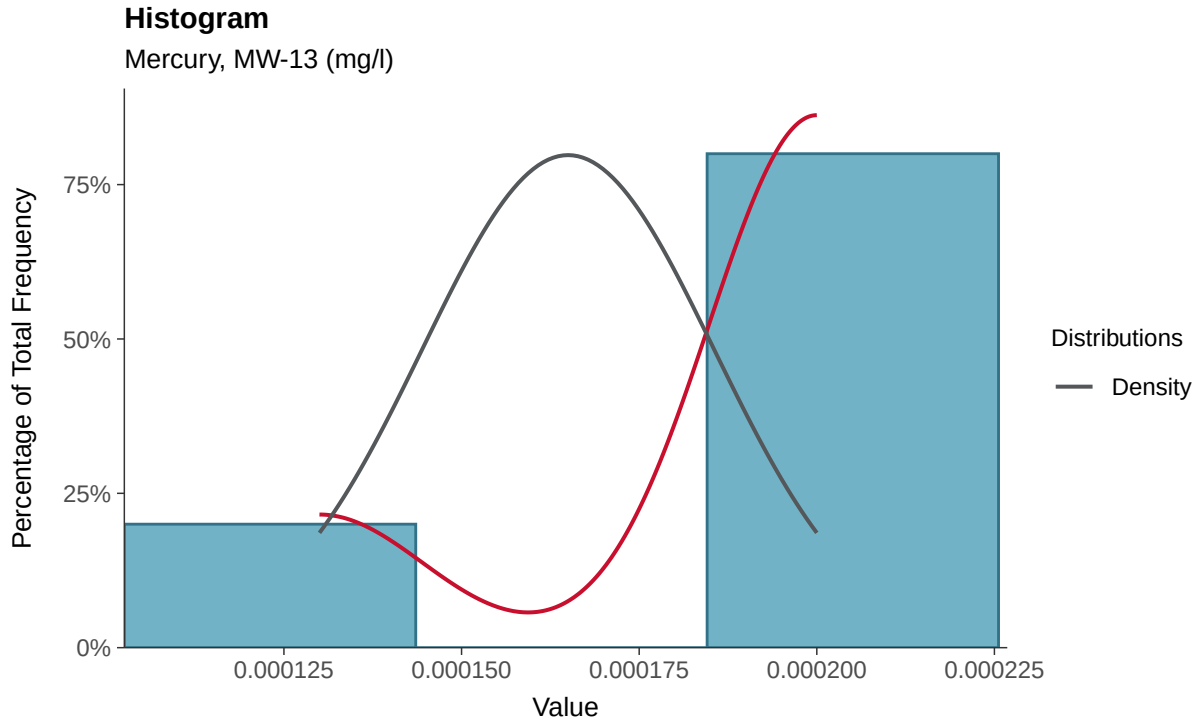
Lithium, MW-13 (mg/l)



Appendix IV: Mercury, MW-13

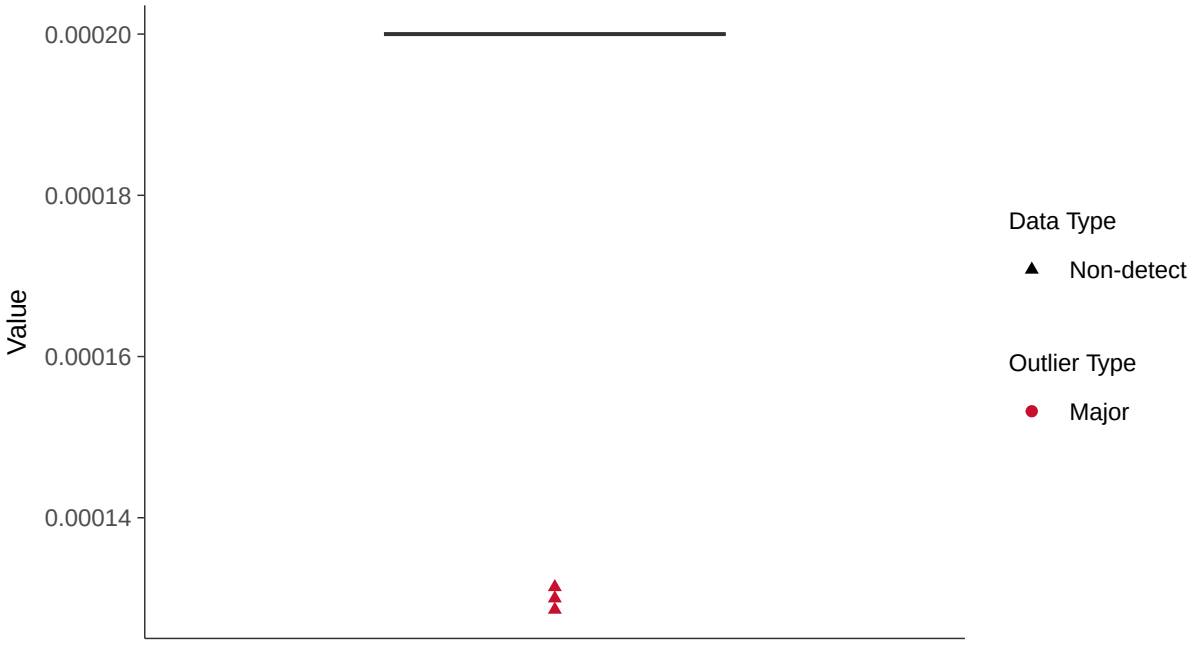
ID: 20_3_117





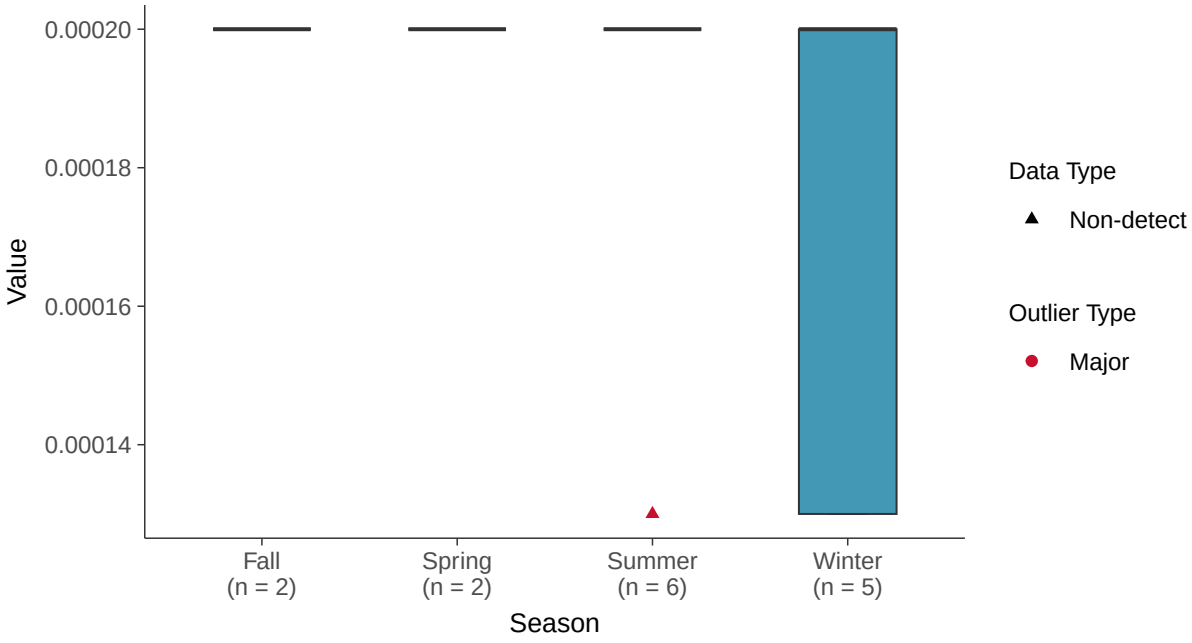
Boxplot

Mercury, MW-13 (mg/l)



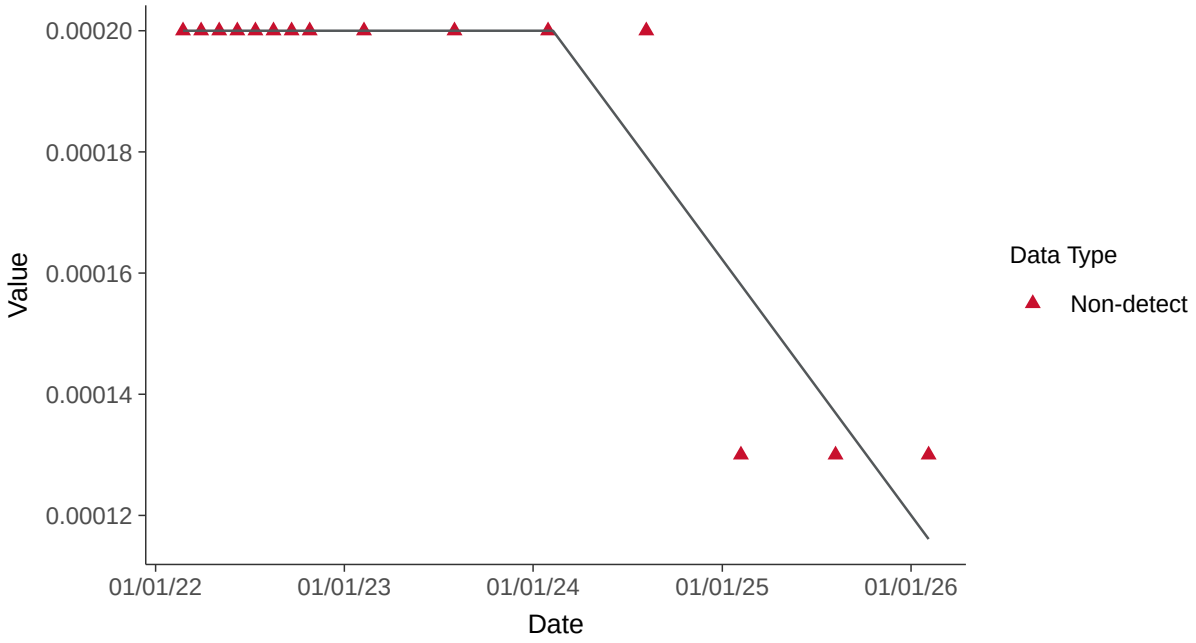
Boxplot by Season

Mercury, MW-13 (mg/l)



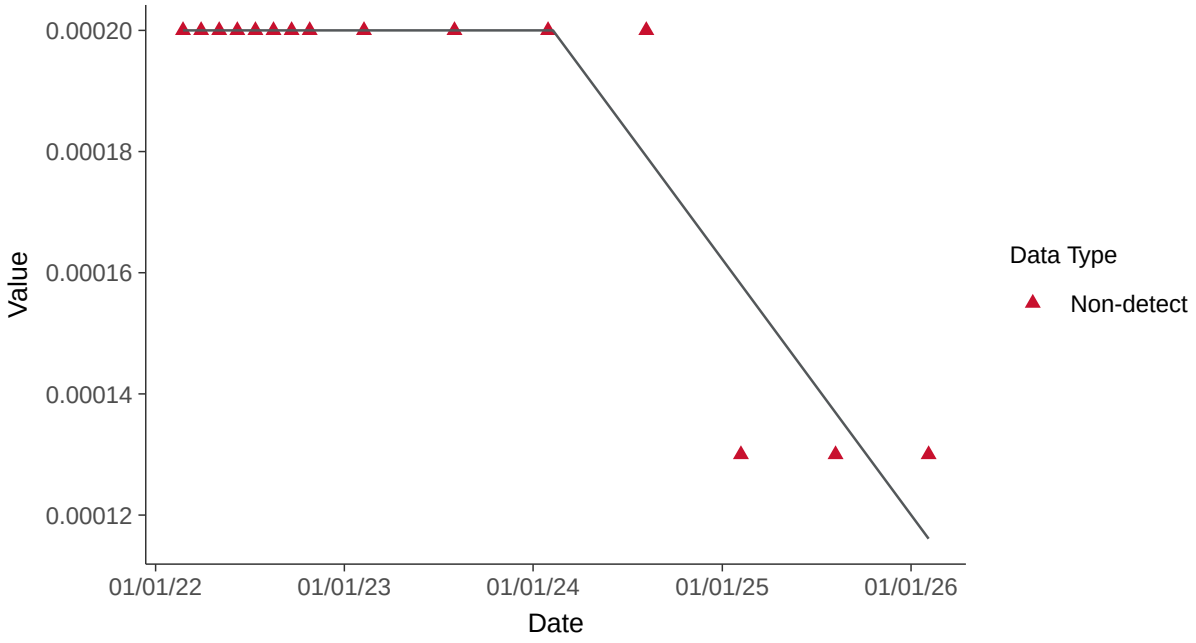
Trend Regression: Piecewise Linear-Linear

Mercury, MW-13 (mg/l)



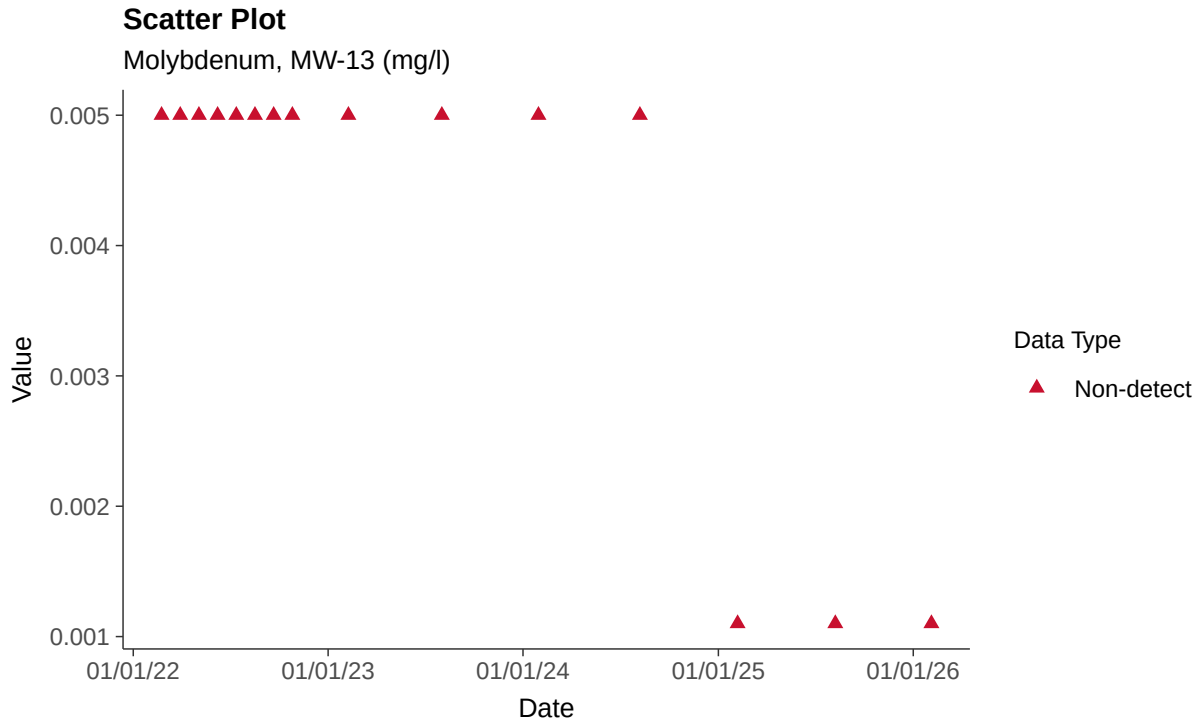
Trend Regression: Piecewise Linear-Linear-Linear

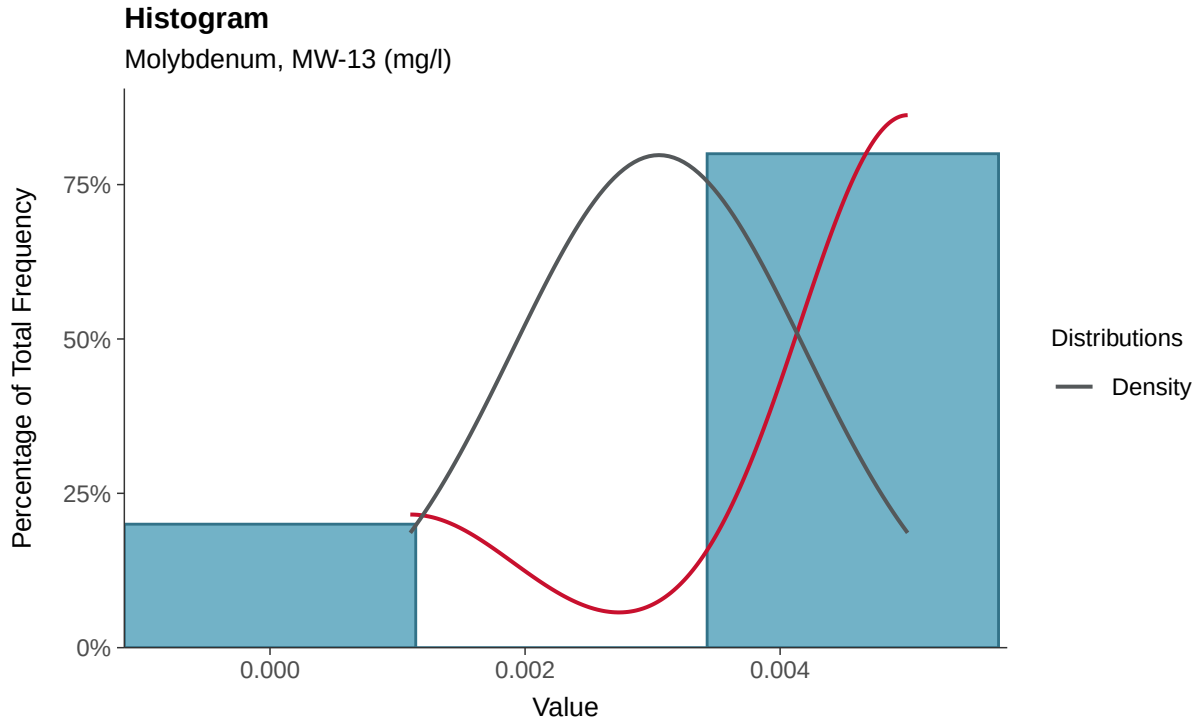
Mercury, MW-13 (mg/l)



Appendix IV: Molybdenum, MW-13

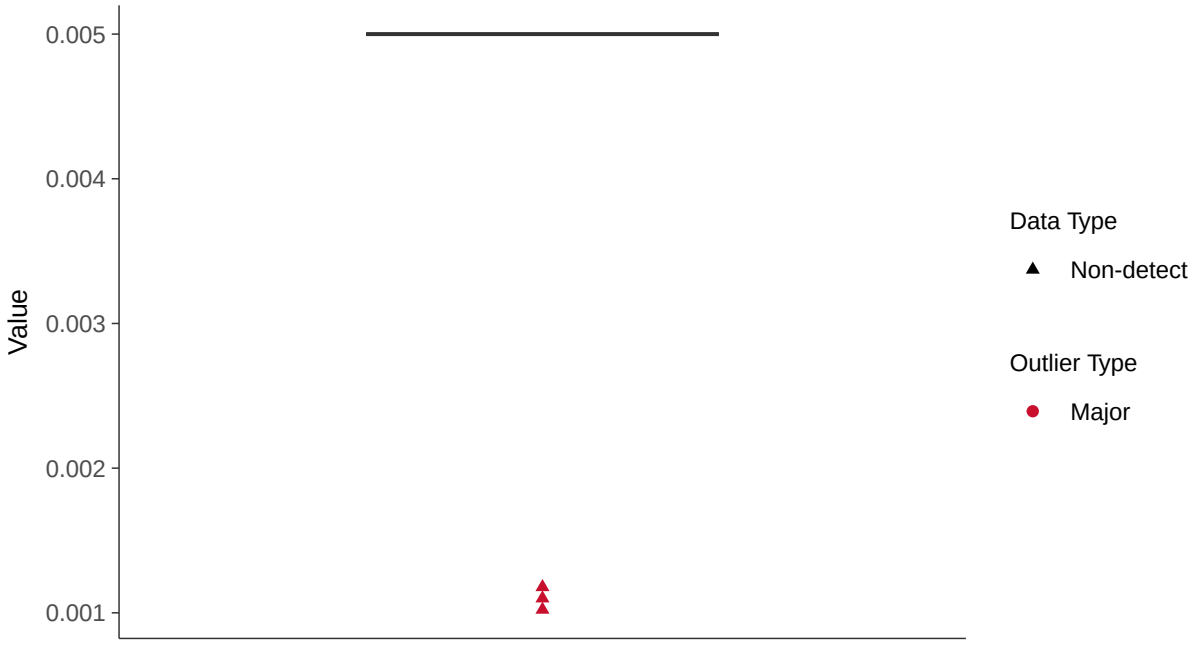
ID: 20_3_118





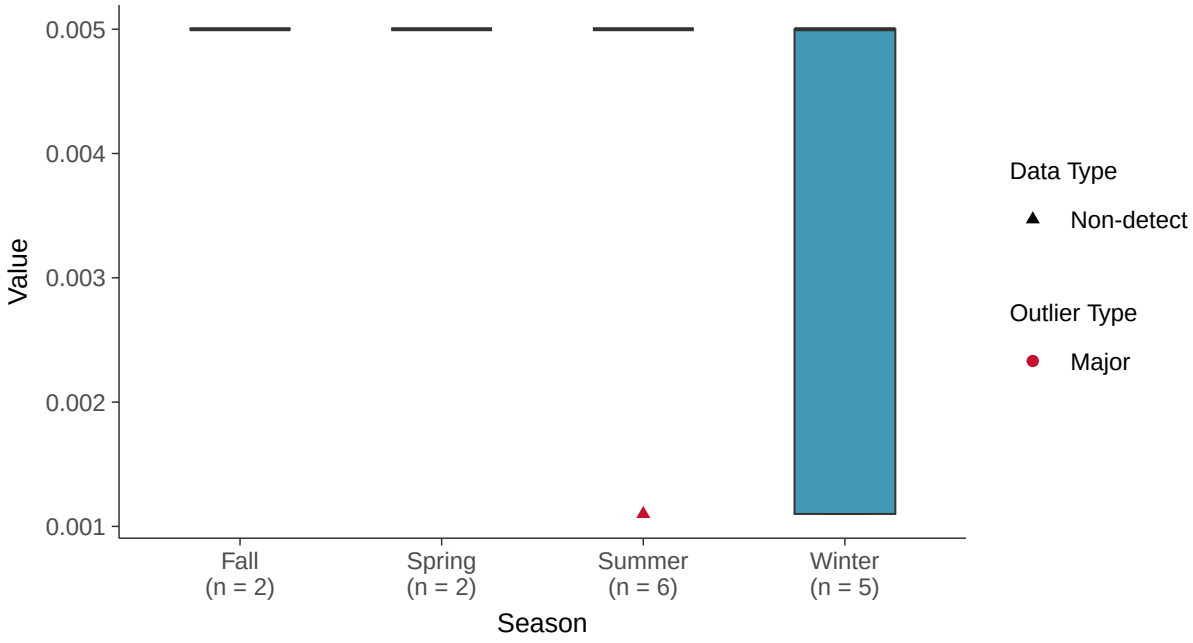
Boxplot

Molybdenum, MW-13 (mg/l)



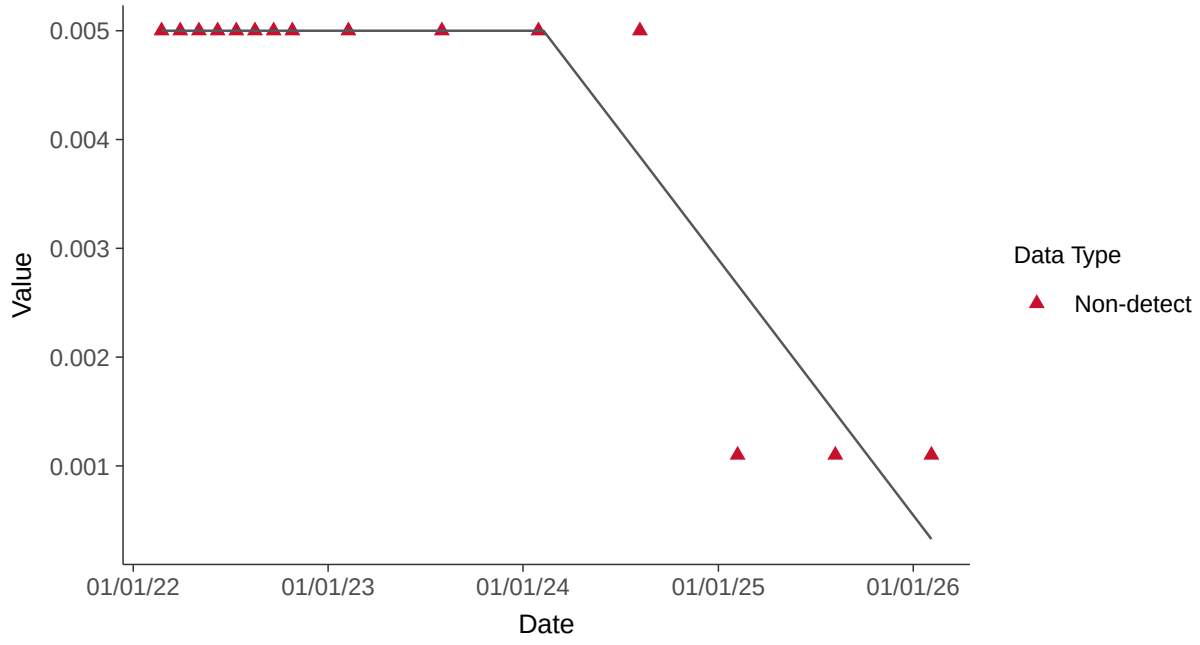
Boxplot by Season

Molybdenum, MW-13 (mg/l)



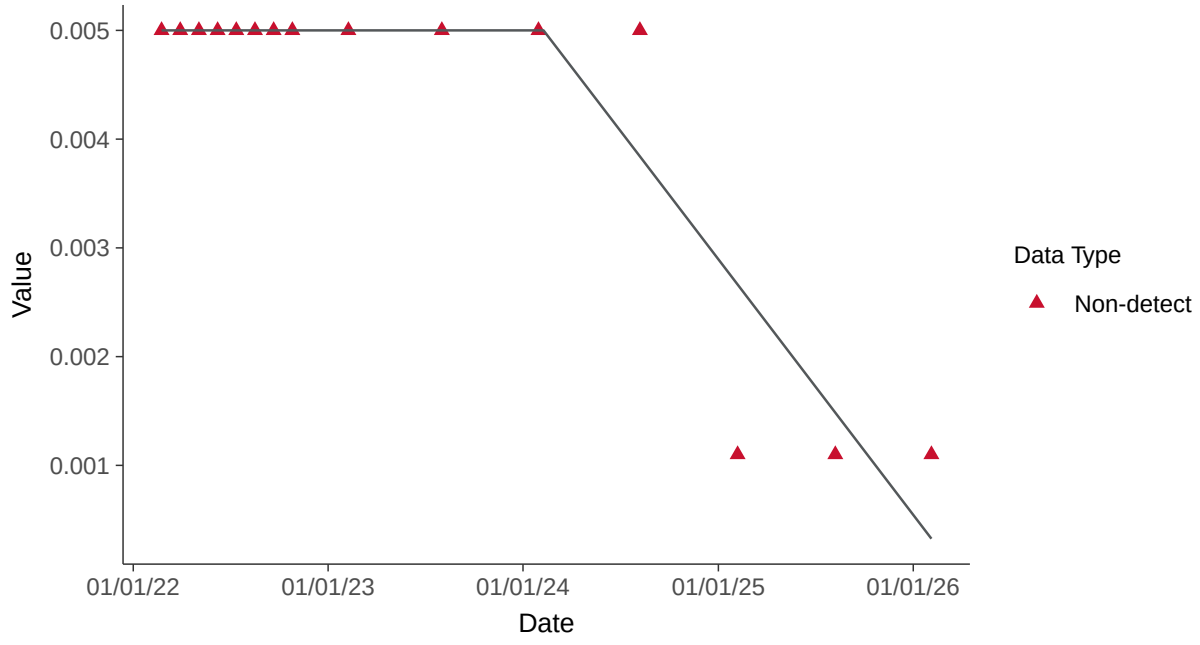
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-13 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-13 (mg/l)

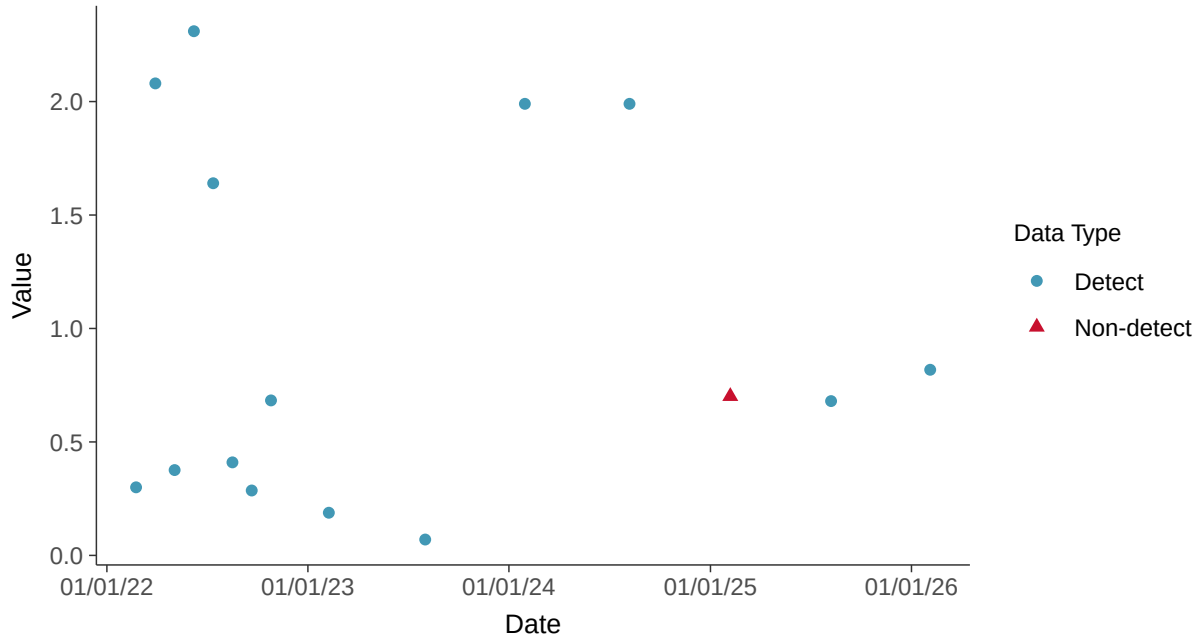


Appendix IV: Radium-226+228, MW-13

ID: 20_3_121

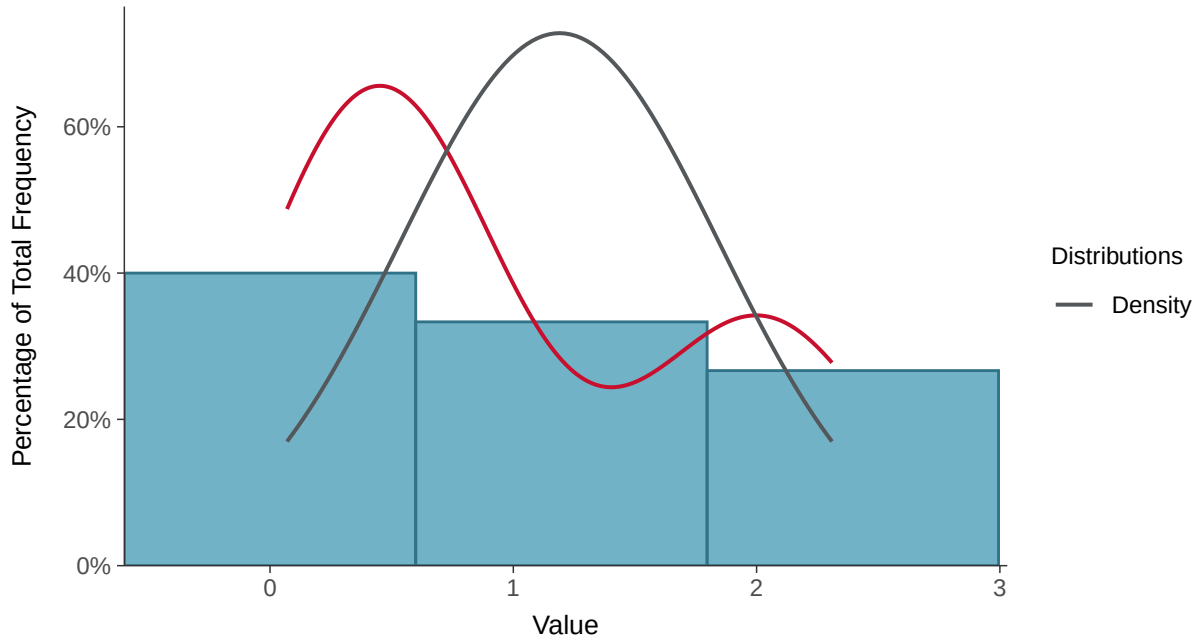
Scatter Plot

Radium-226+228, MW-13 (pci/l)



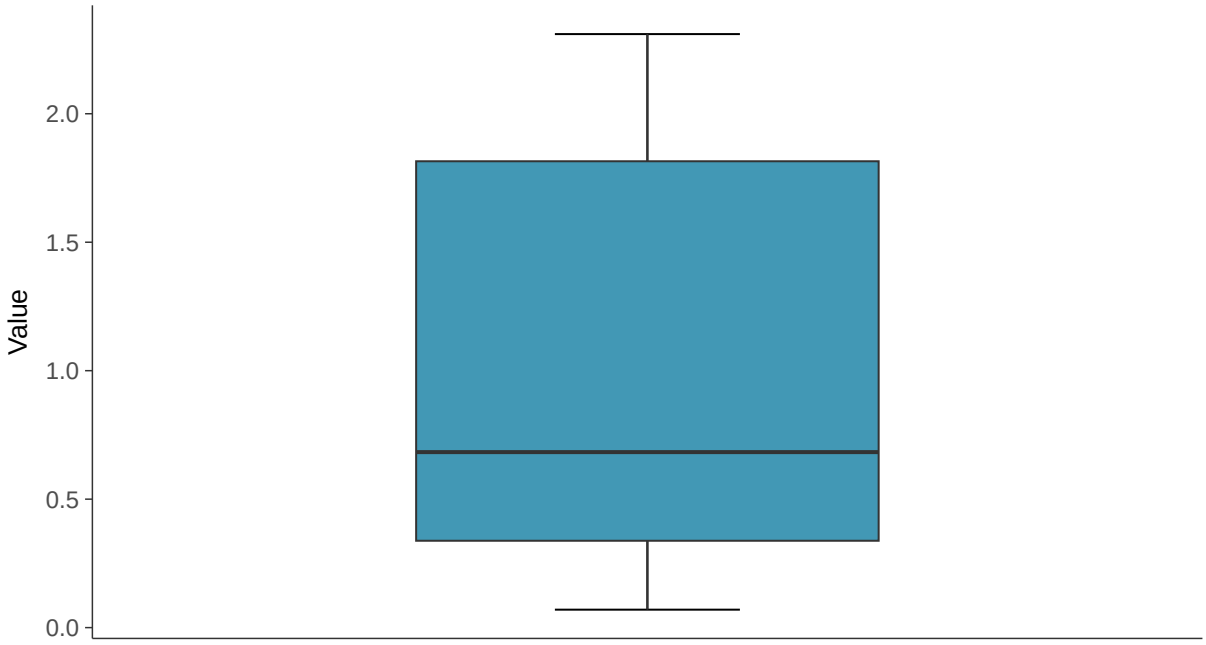
Histogram

Radium-226+228, MW-13 (pci/l)



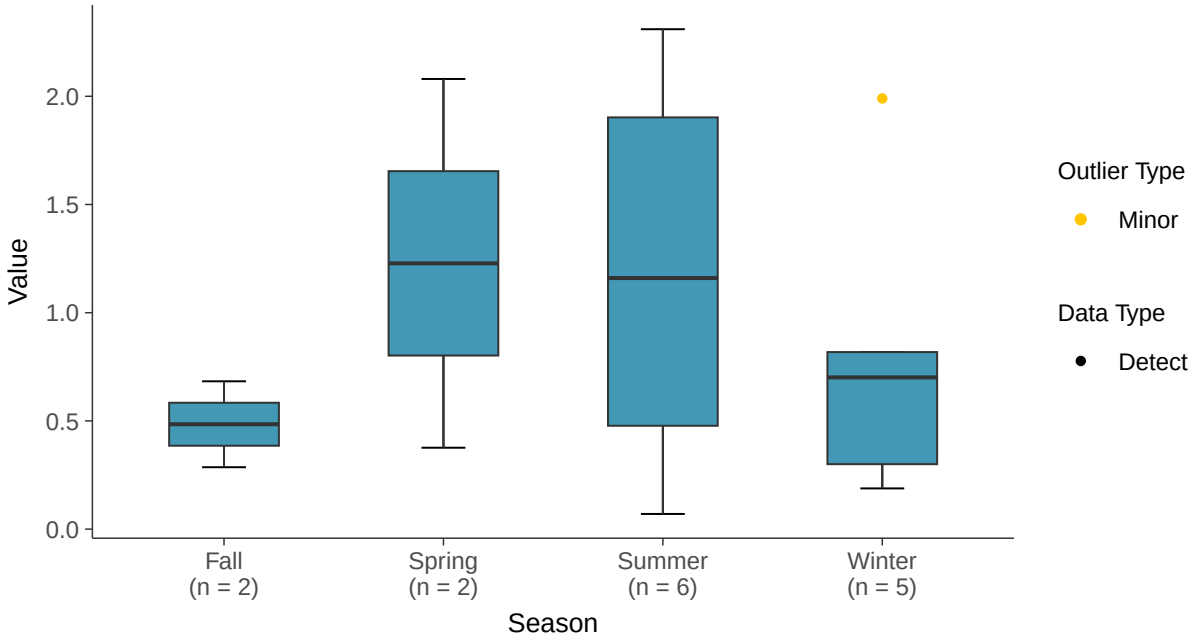
Boxplot

Radium-226+228, MW-13 (pci/l)



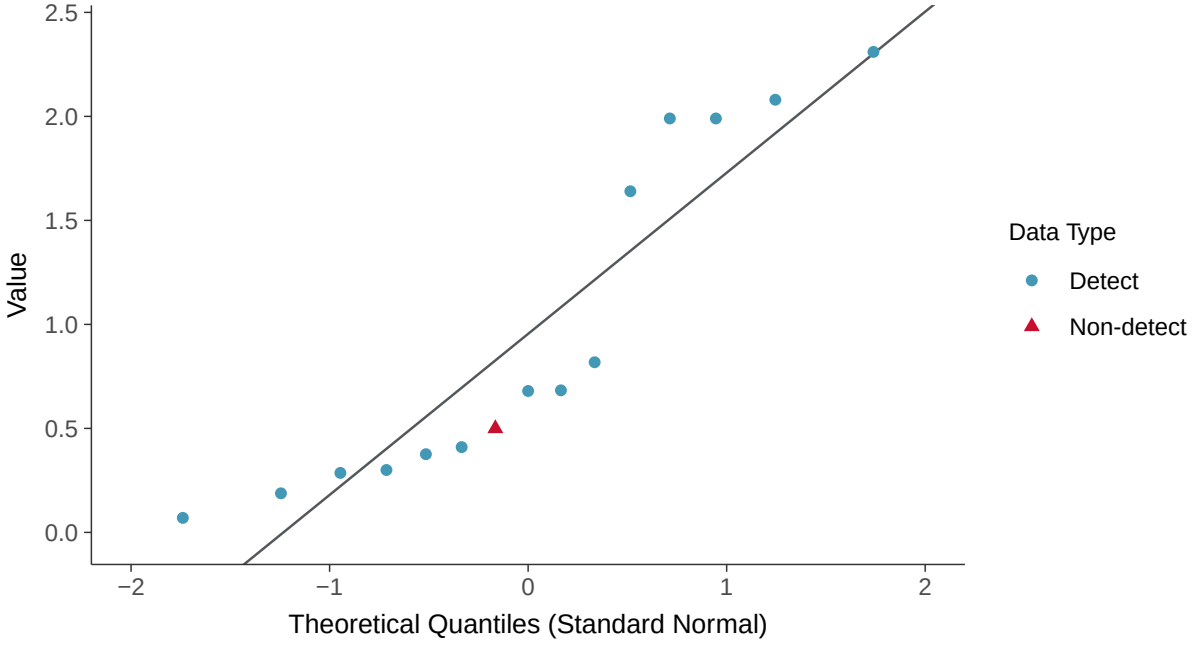
Boxplot by Season

Radium-226+228, MW-13 (pci/l)



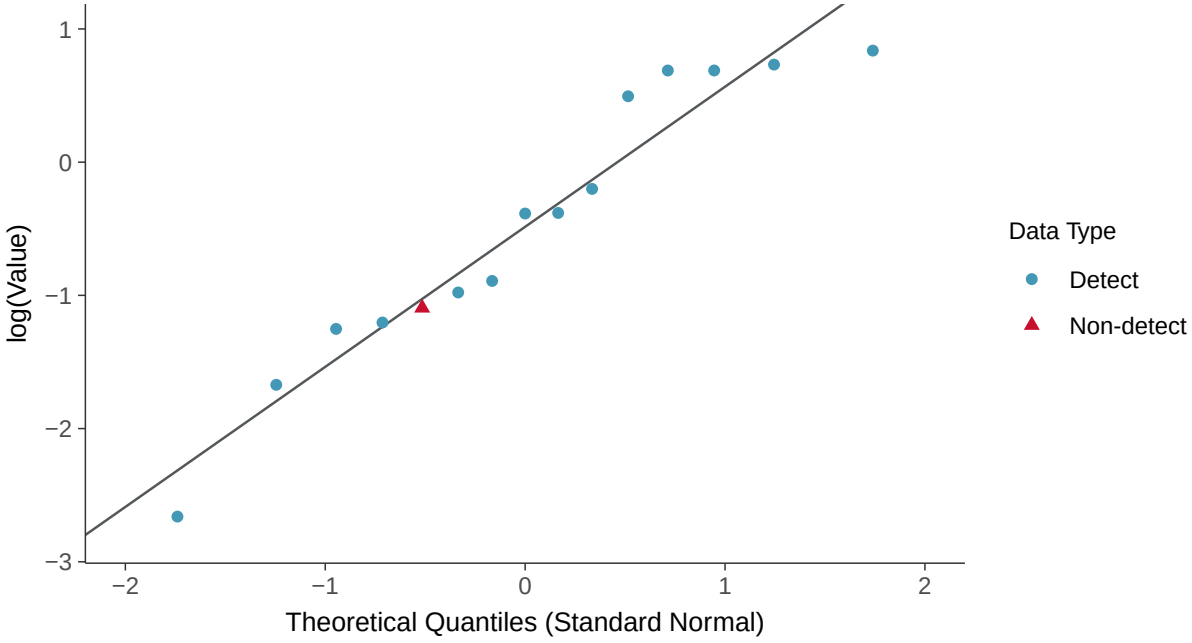
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-13 (pci/l)



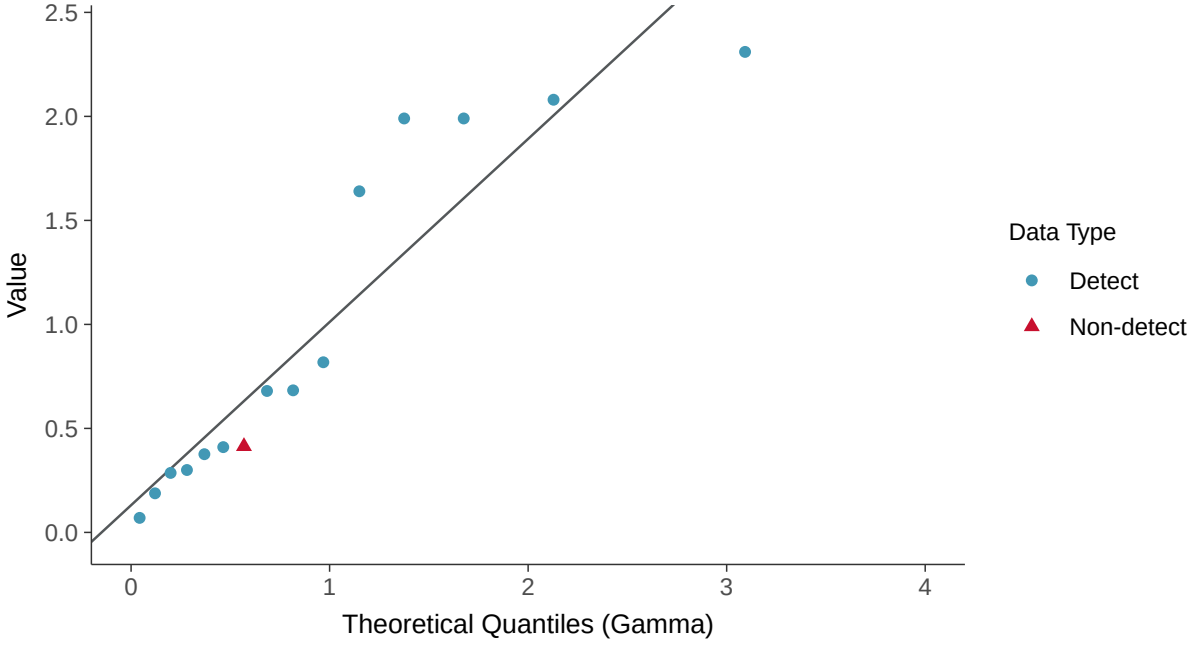
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-13 (pci/l)



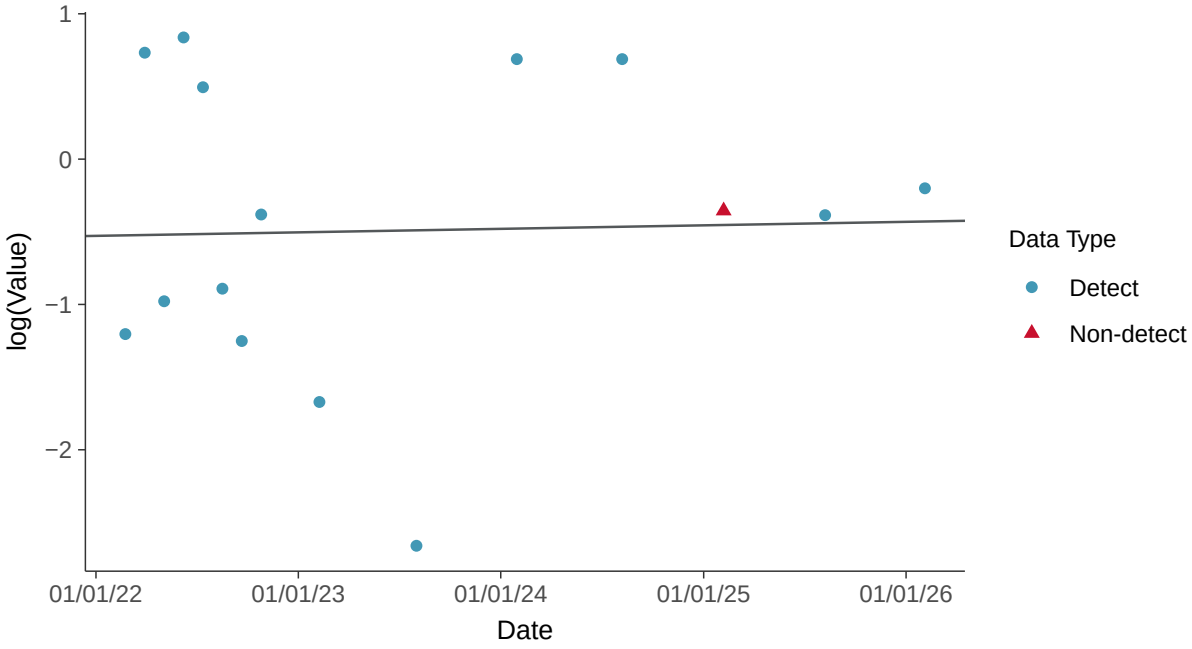
Gamma Q-Q plot using ROS Imputed Estimates

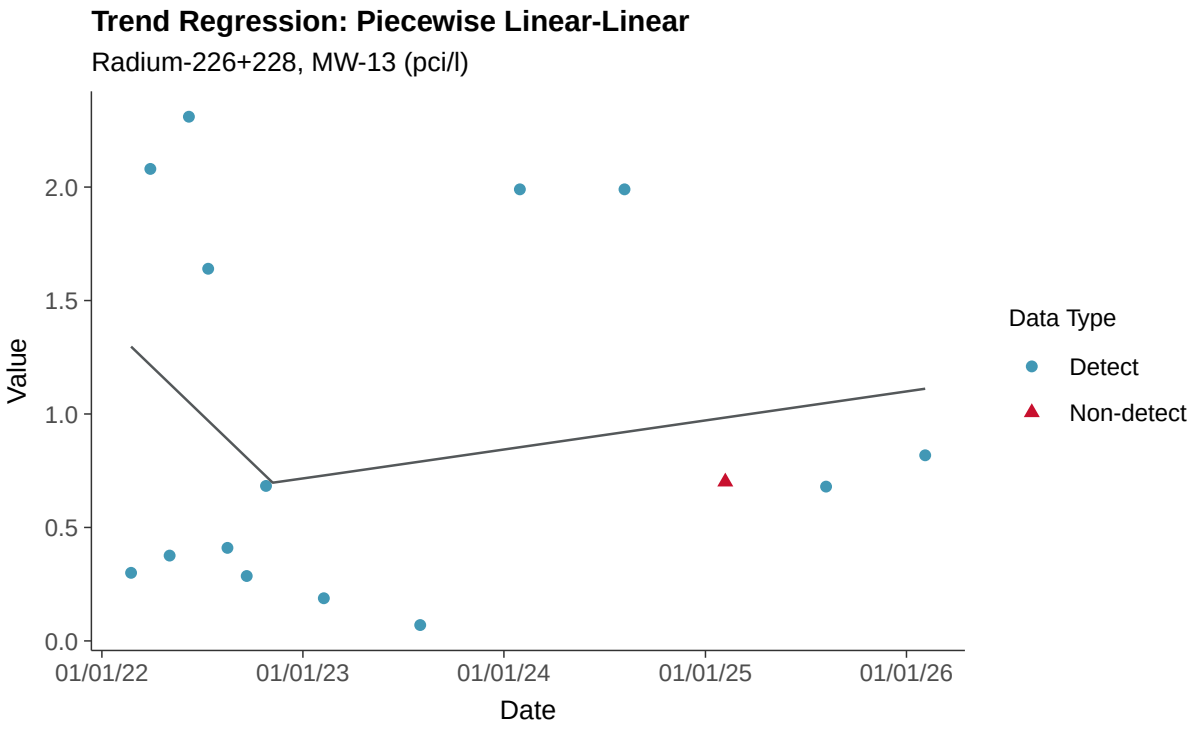
Radium-226+228, MW-13 (pci/l)



Trend Regression: Lognormal MLE

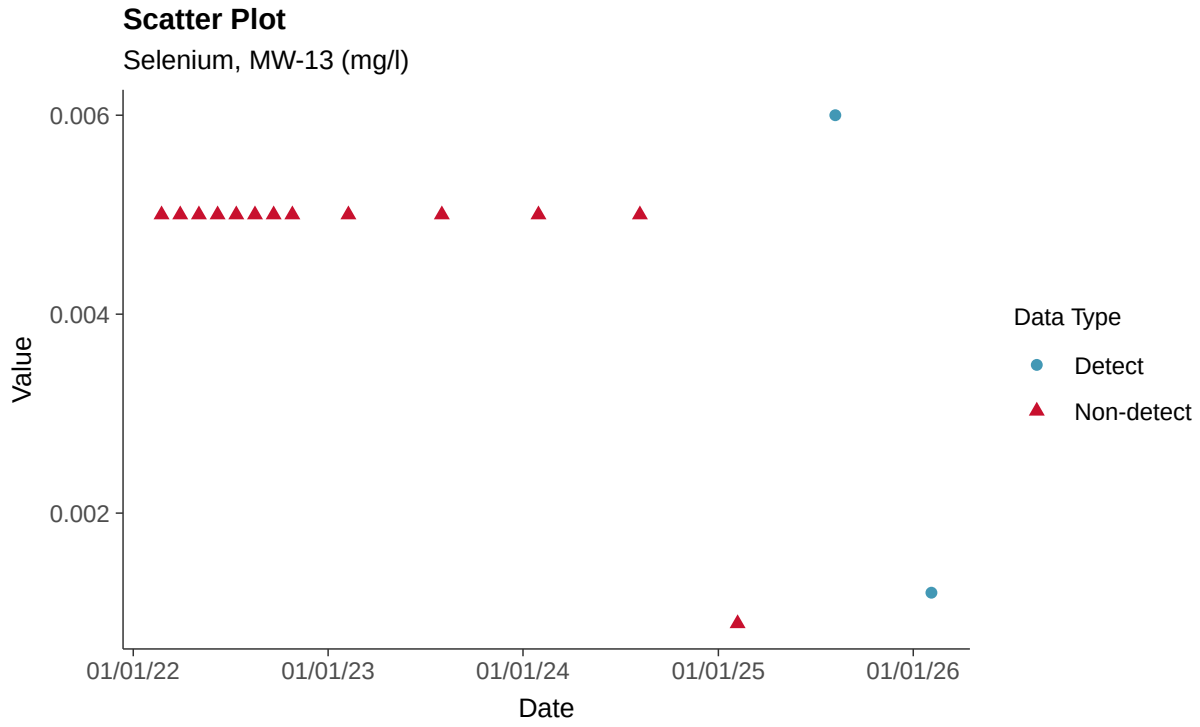
Radium-226+228, MW-13 (pci/l)

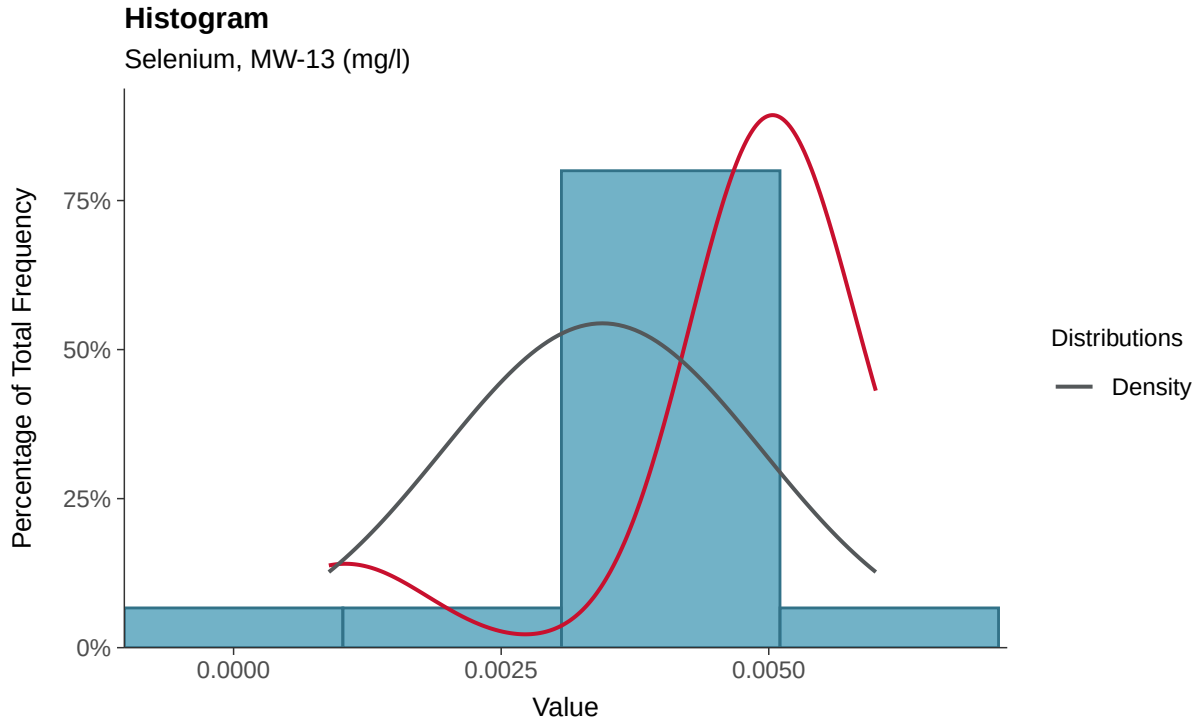



Trend Regression: Piecewise Linear-Linear
Radium-226+228, MW-13 (pci/l)
Value
2.0
1.5
1.0
0.5
0.0
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Selenium, MW-13

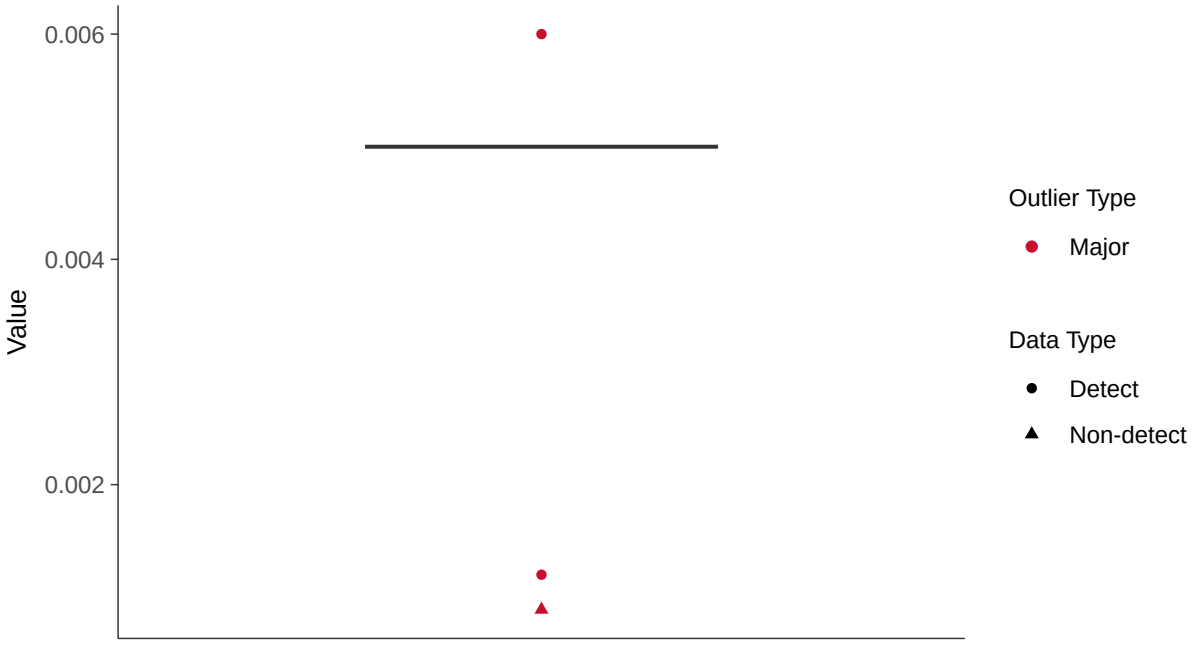
ID: 20_3_122





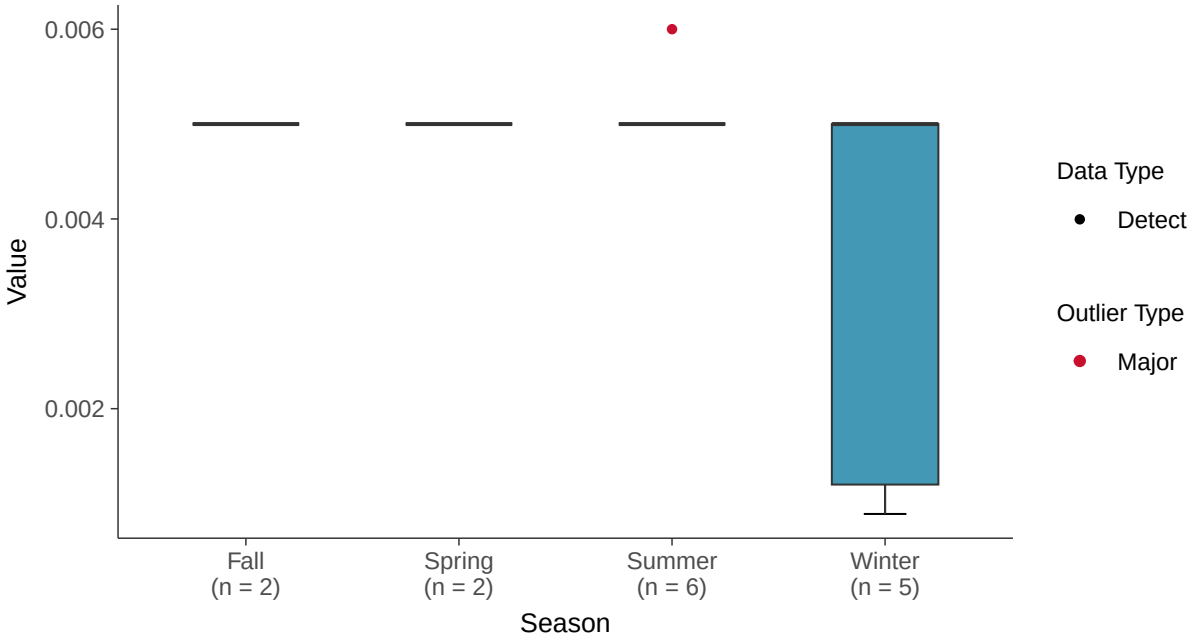
Boxplot

Selenium, MW-13 (mg/l)



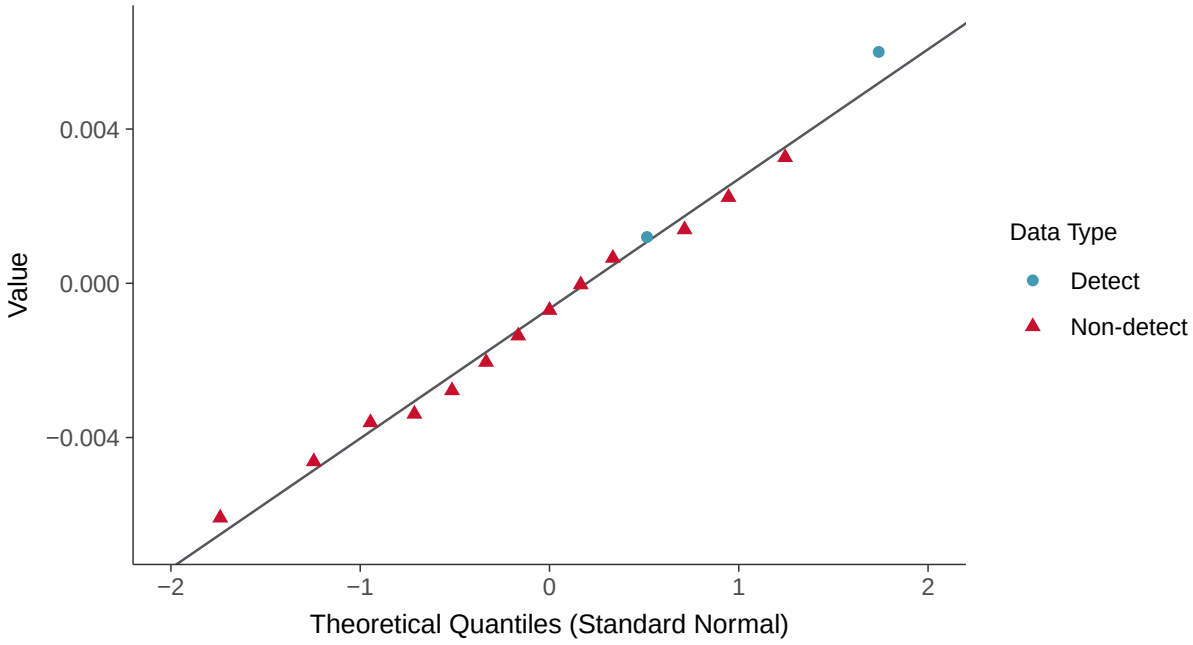
Boxplot by Season

Selenium, MW-13 (mg/l)



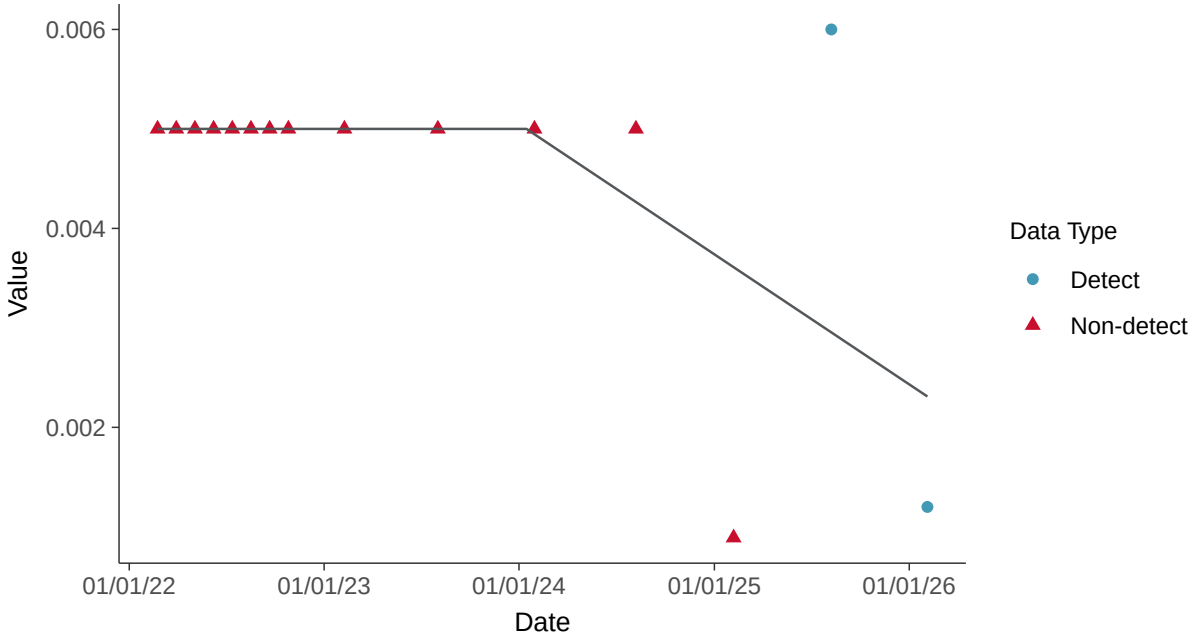
Normal Q-Q plot using ROS Imputed Estimates

Selenium, MW-13 (mg/l)



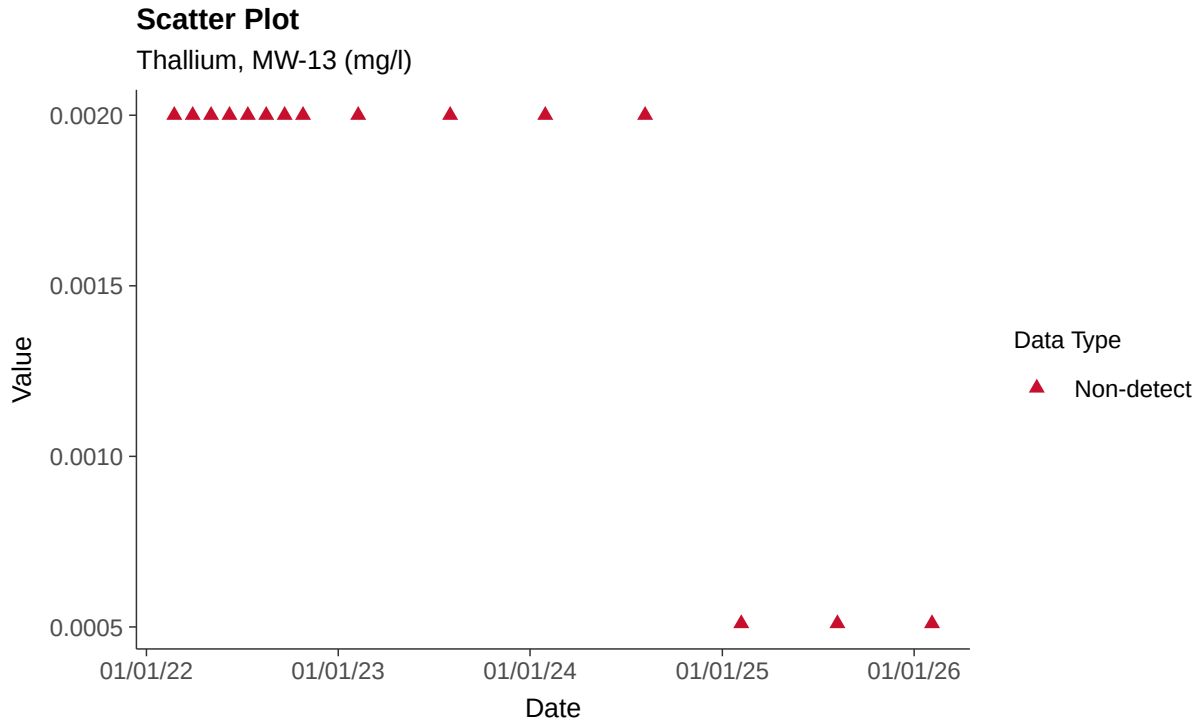
Trend Regression: Piecewise Linear-Linear

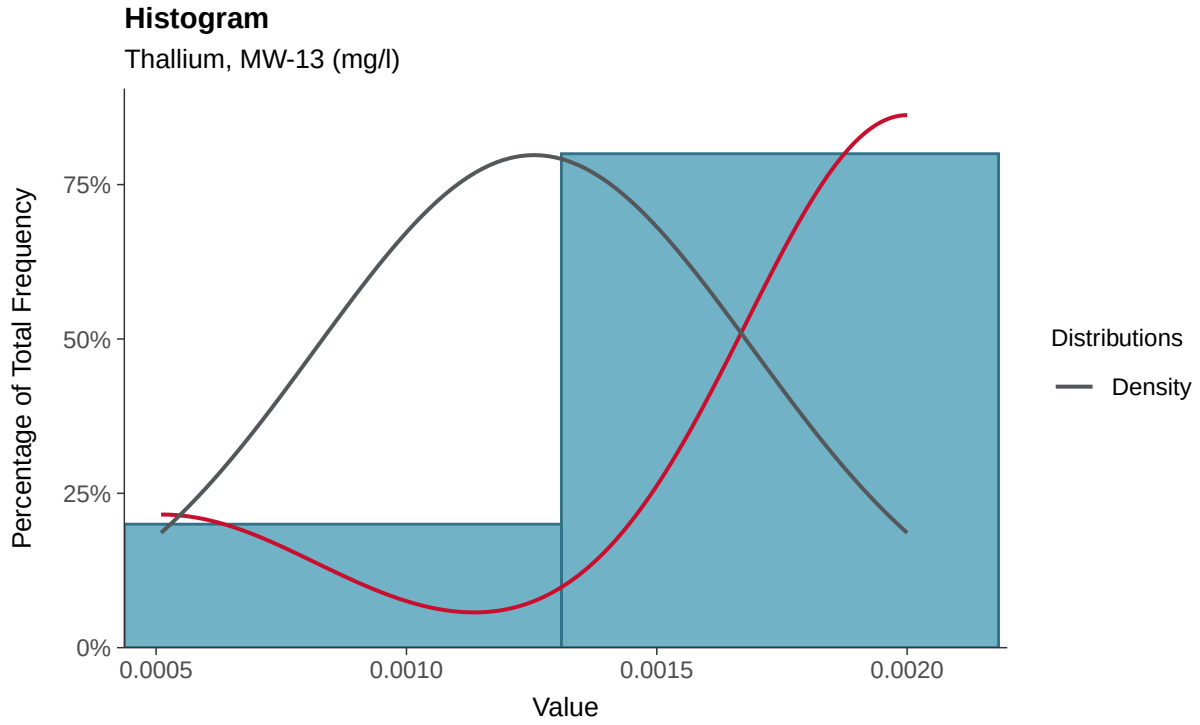
Selenium, MW-13 (mg/l)



Appendix IV: Thallium, MW-13

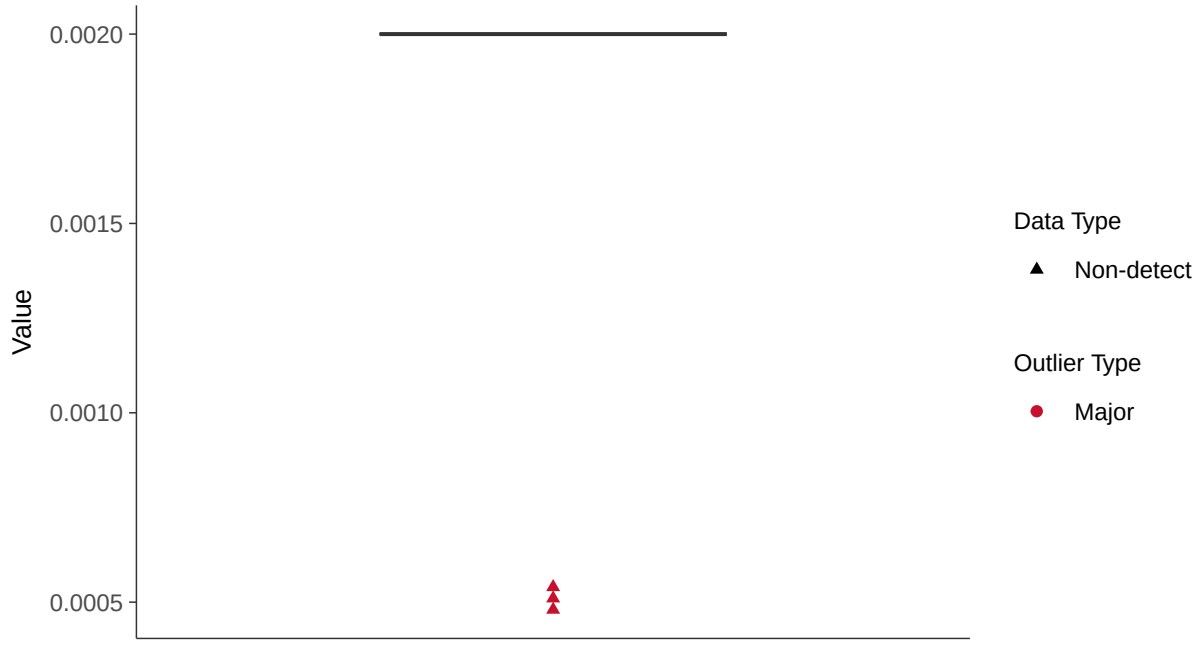
ID: 20_3_125





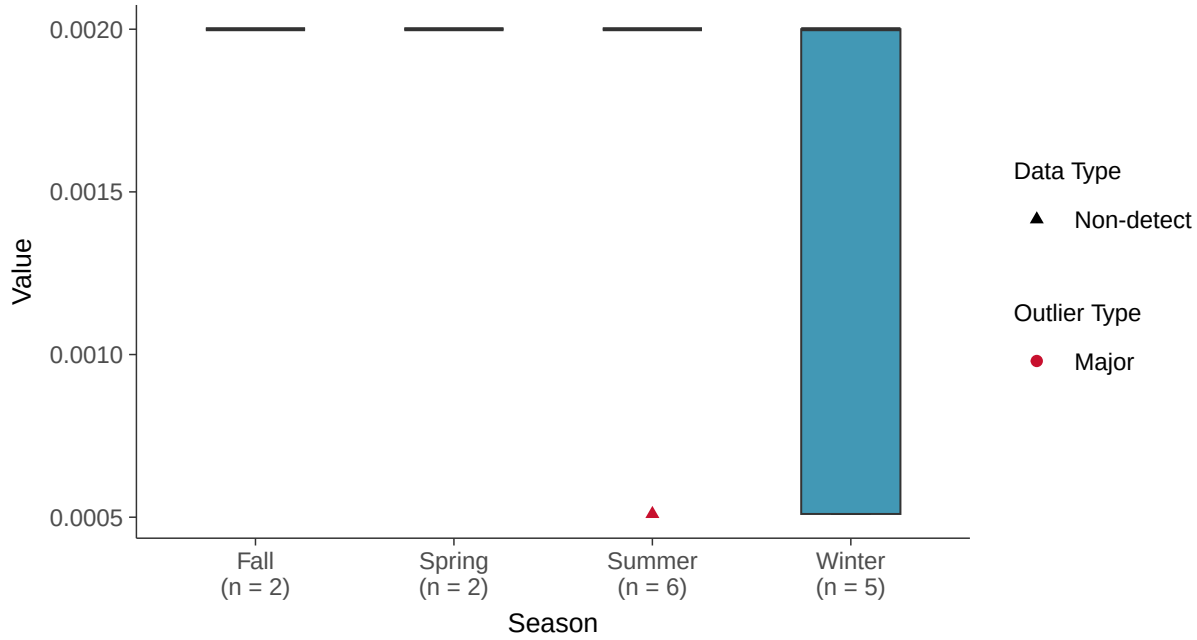
Boxplot

Thallium, MW-13 (mg/l)



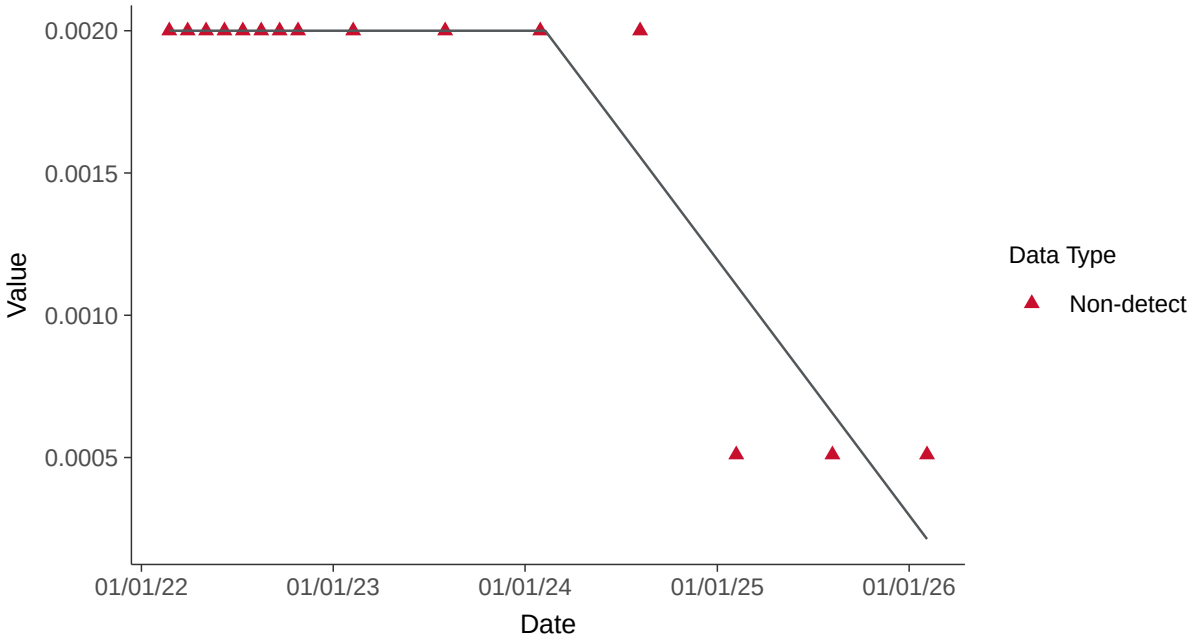
Boxplot by Season

Thallium, MW-13 (mg/l)



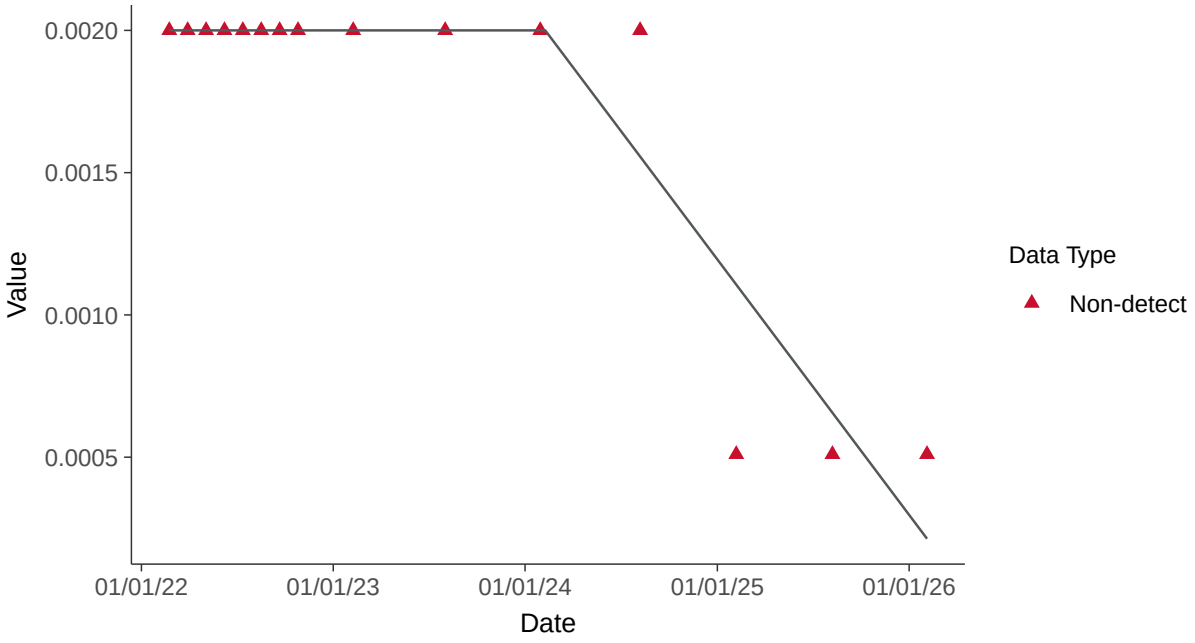
Trend Regression: Piecewise Linear-Linear

Thallium, MW-13 (mg/l)



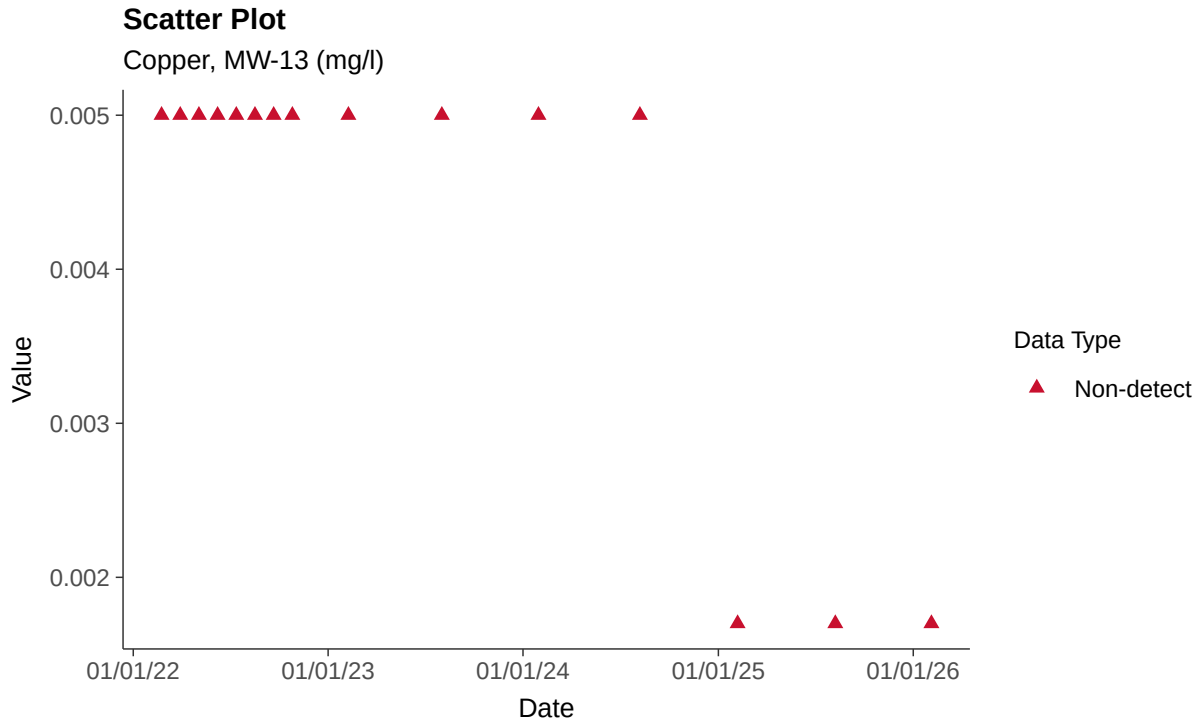
Trend Regression: Piecewise Linear-Linear-Linear

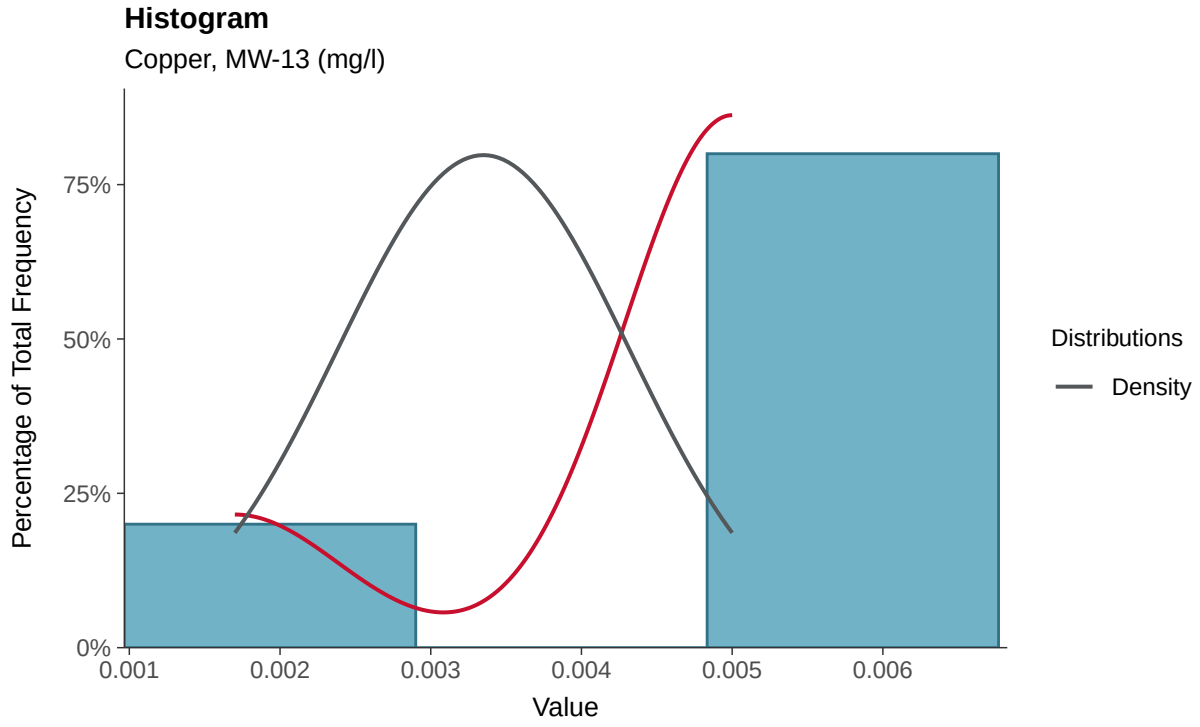
Thallium, MW-13 (mg/l)



Part 115: Copper, MW-13

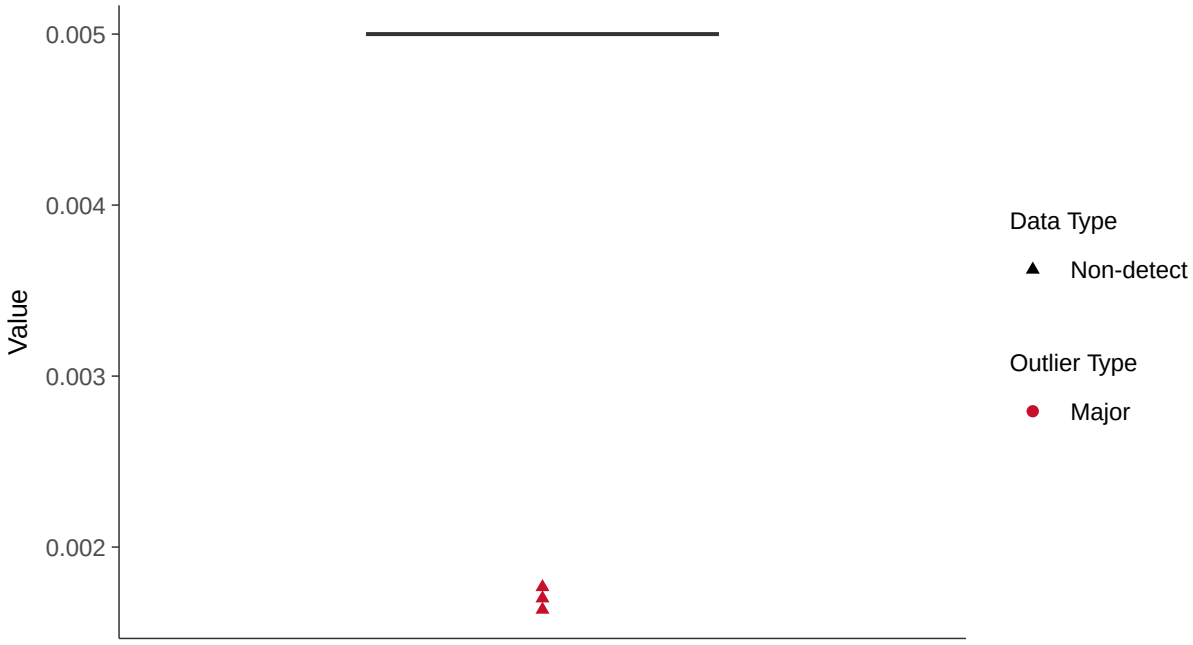
ID: 20_5_111





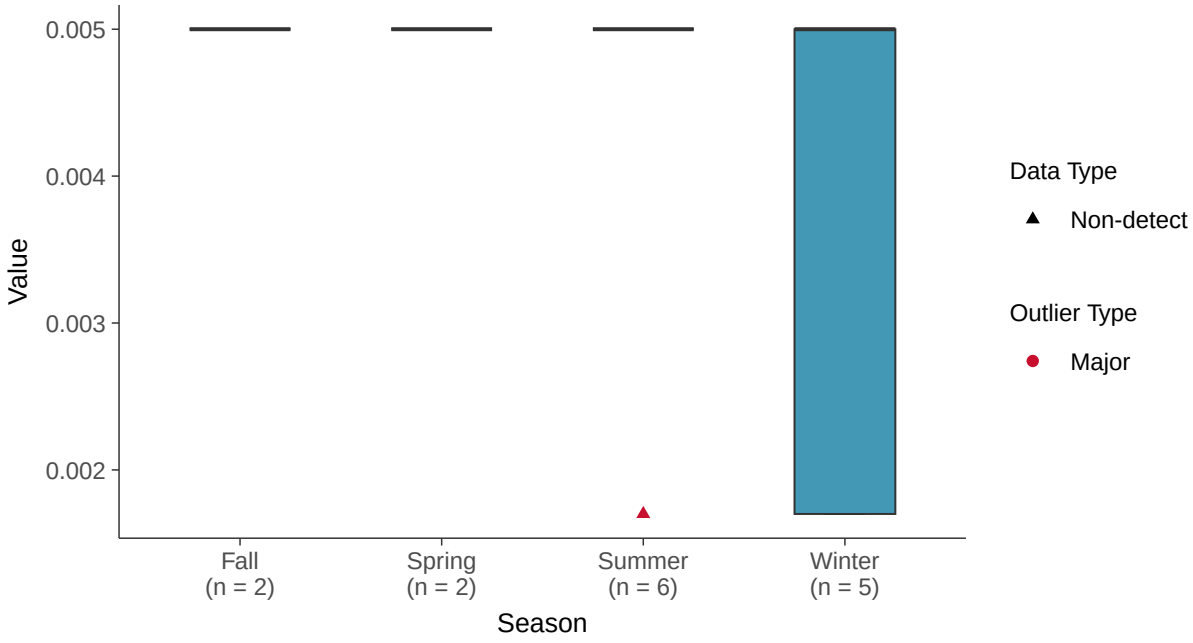
Boxplot

Copper, MW-13 (mg/l)



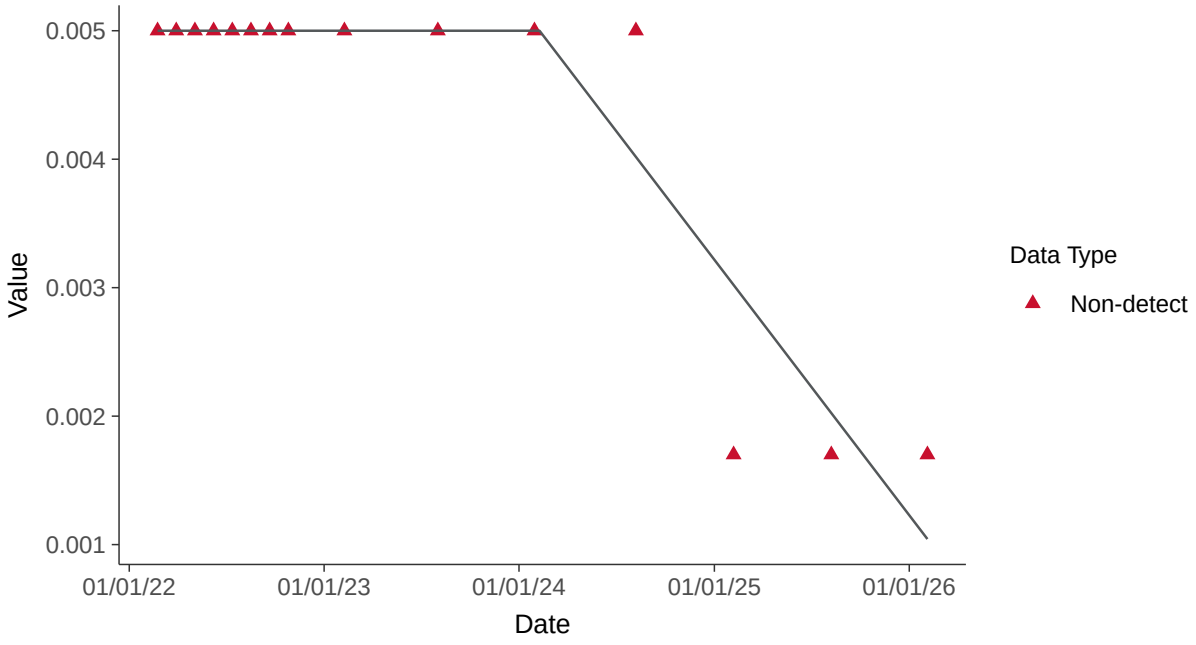
Boxplot by Season

Copper, MW-13 (mg/l)



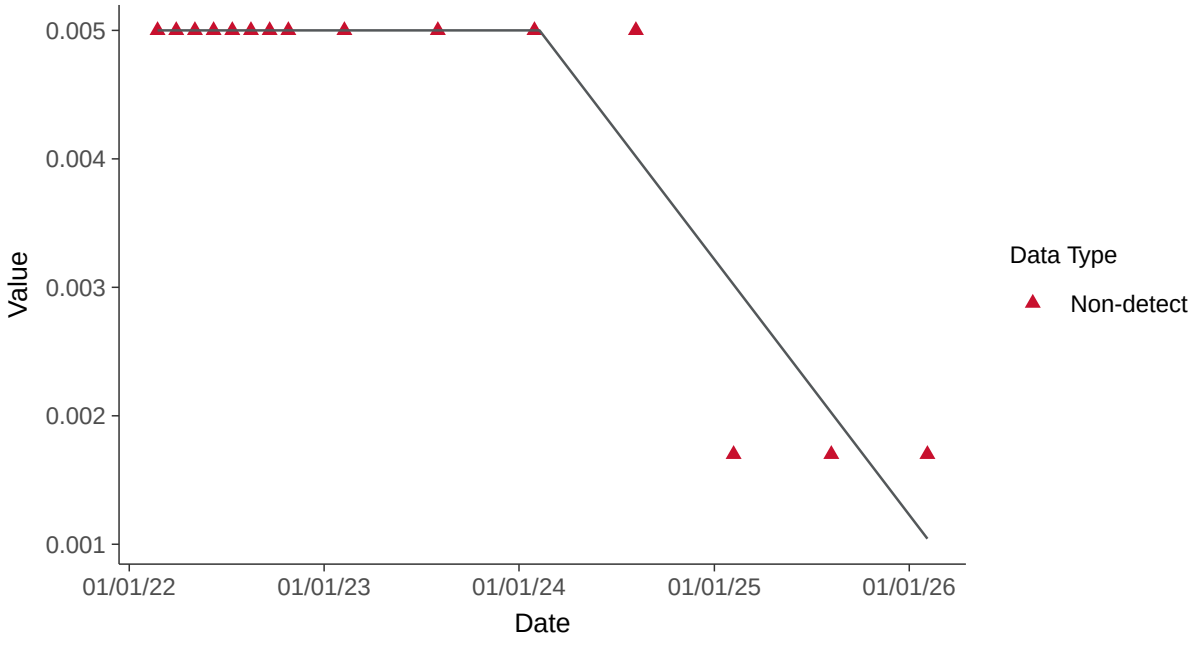
Trend Regression: Piecewise Linear-Linear

Copper, MW-13 (mg/l)



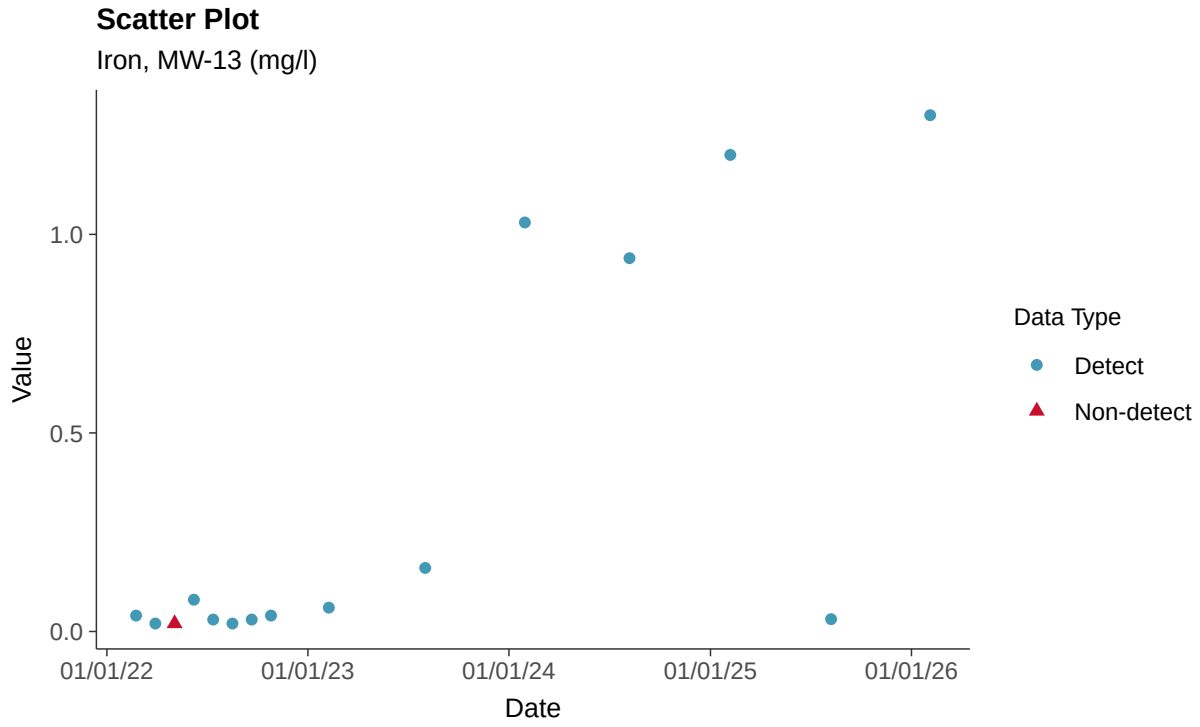
Trend Regression: Piecewise Linear-Linear-Linear

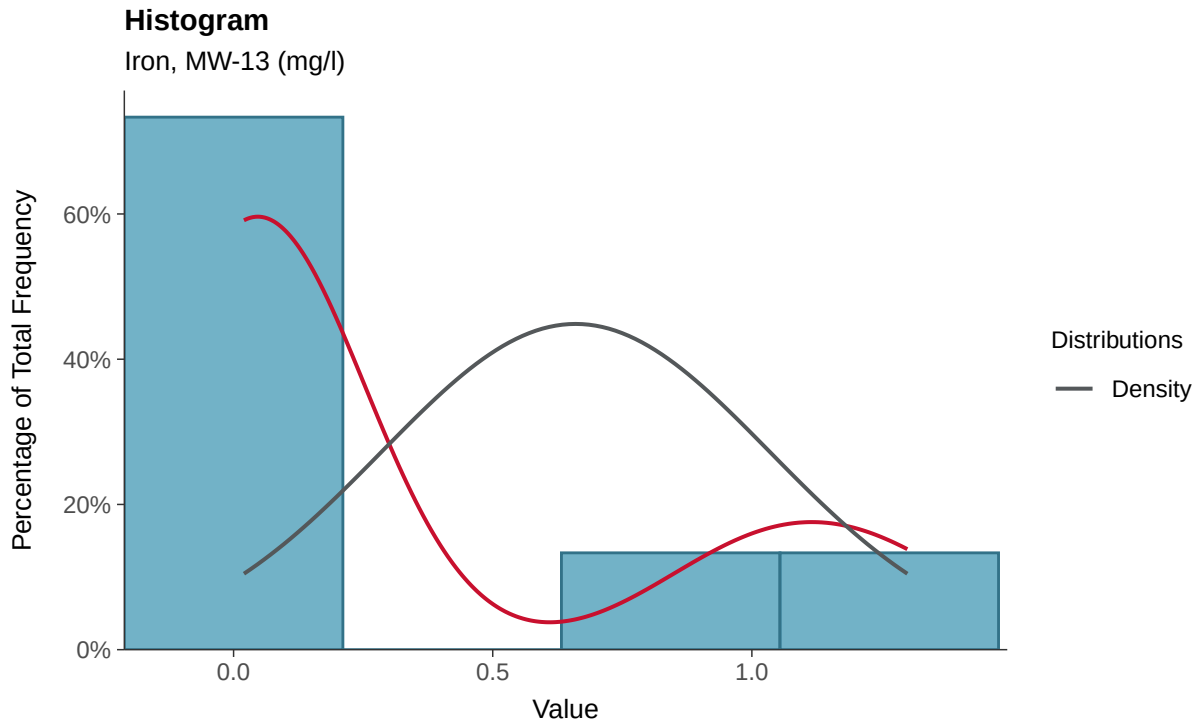
Copper, MW-13 (mg/l)



Part 115: Iron, MW-13

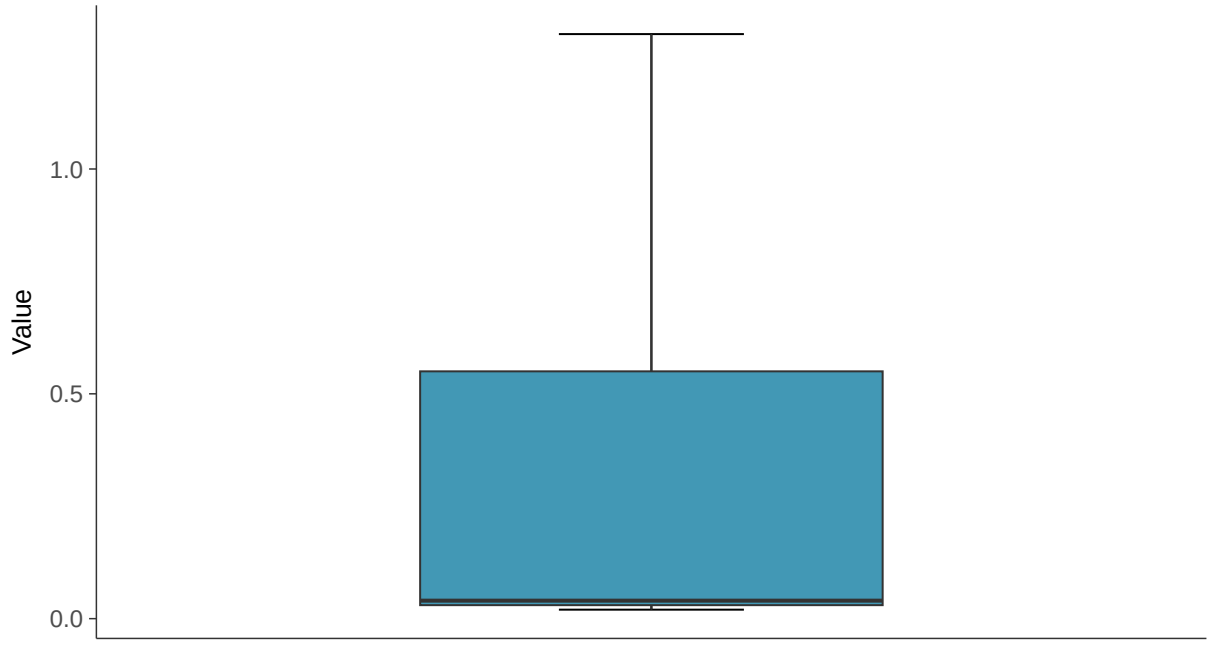
ID: 20_5_114





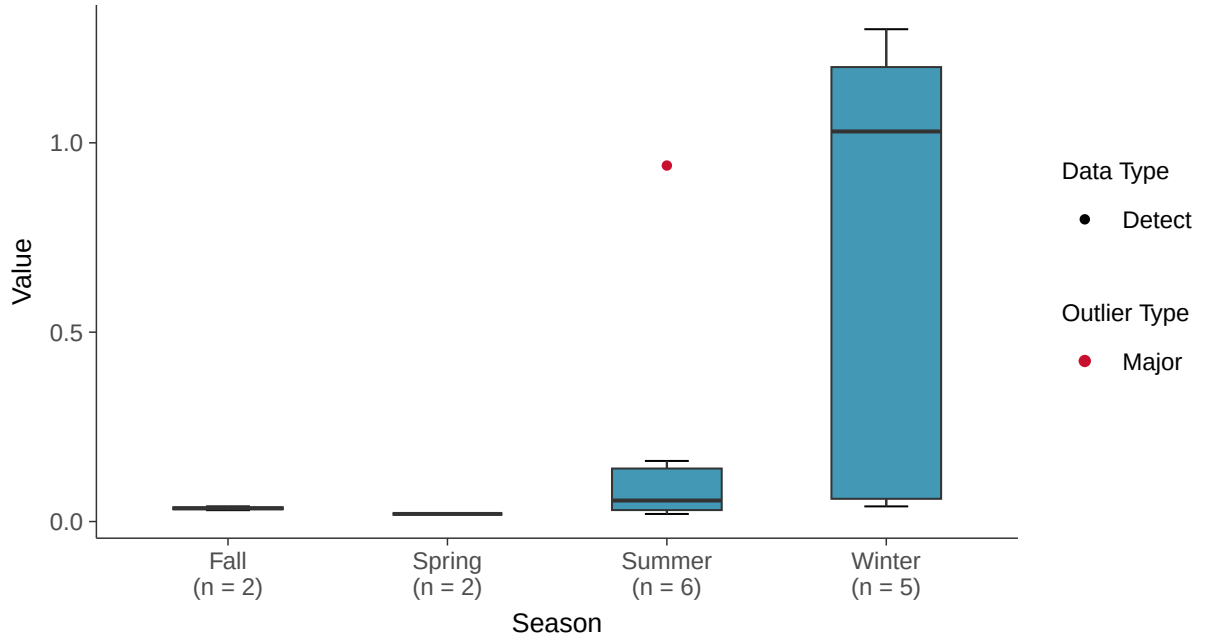
Boxplot

Iron, MW-13 (mg/l)



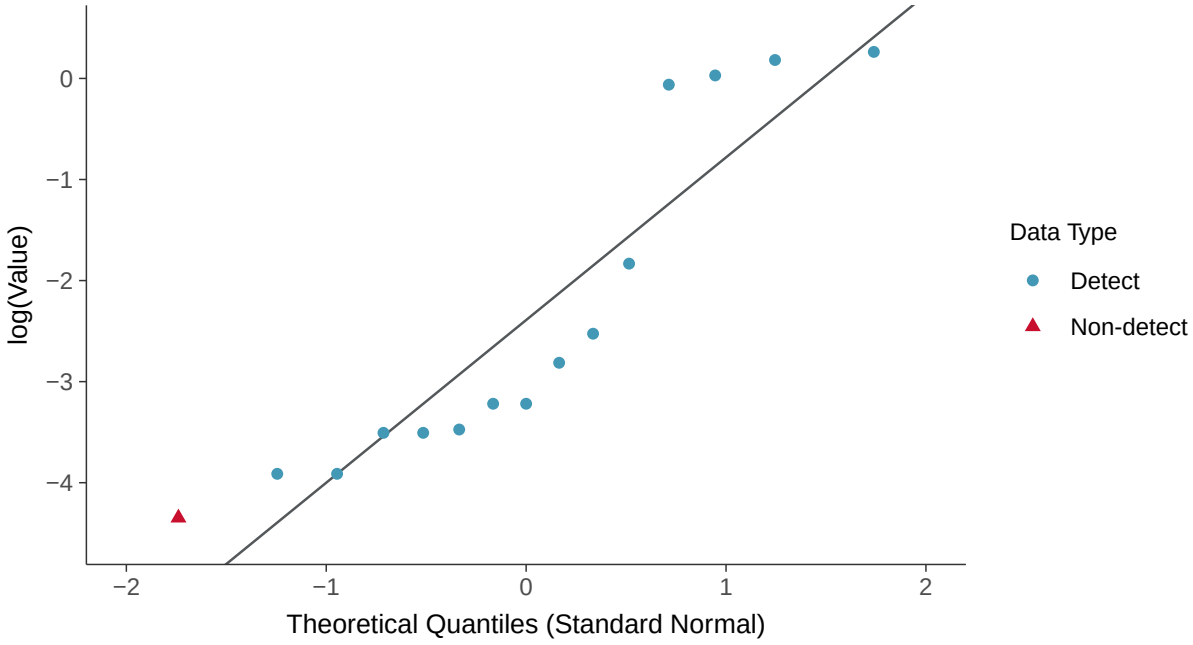
Boxplot by Season

Iron, MW-13 (mg/l)



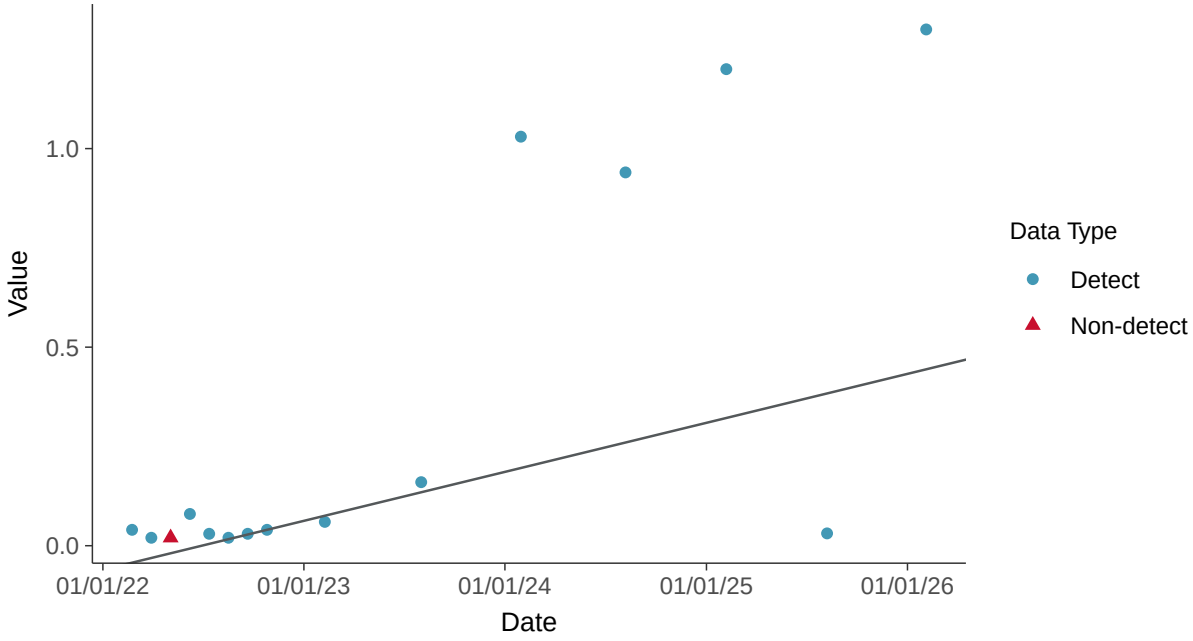
Lognormal Q-Q plot using ROS Imputed Estimates

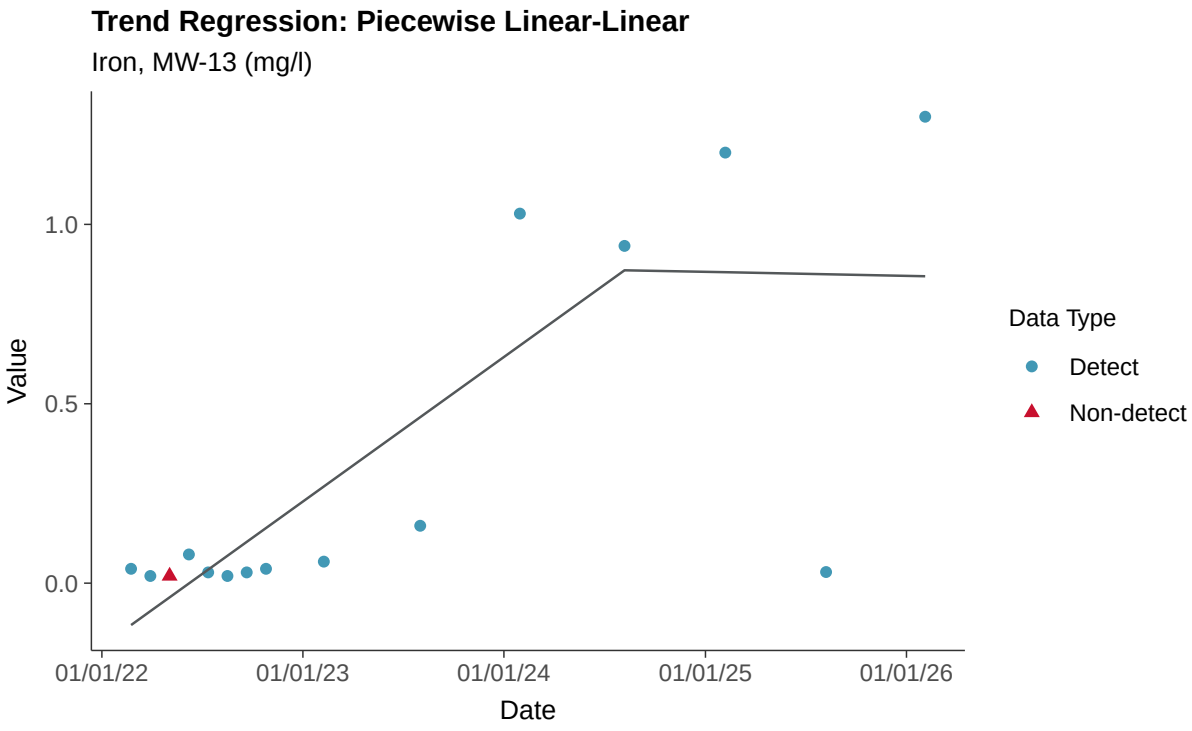
Iron, MW-13 (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

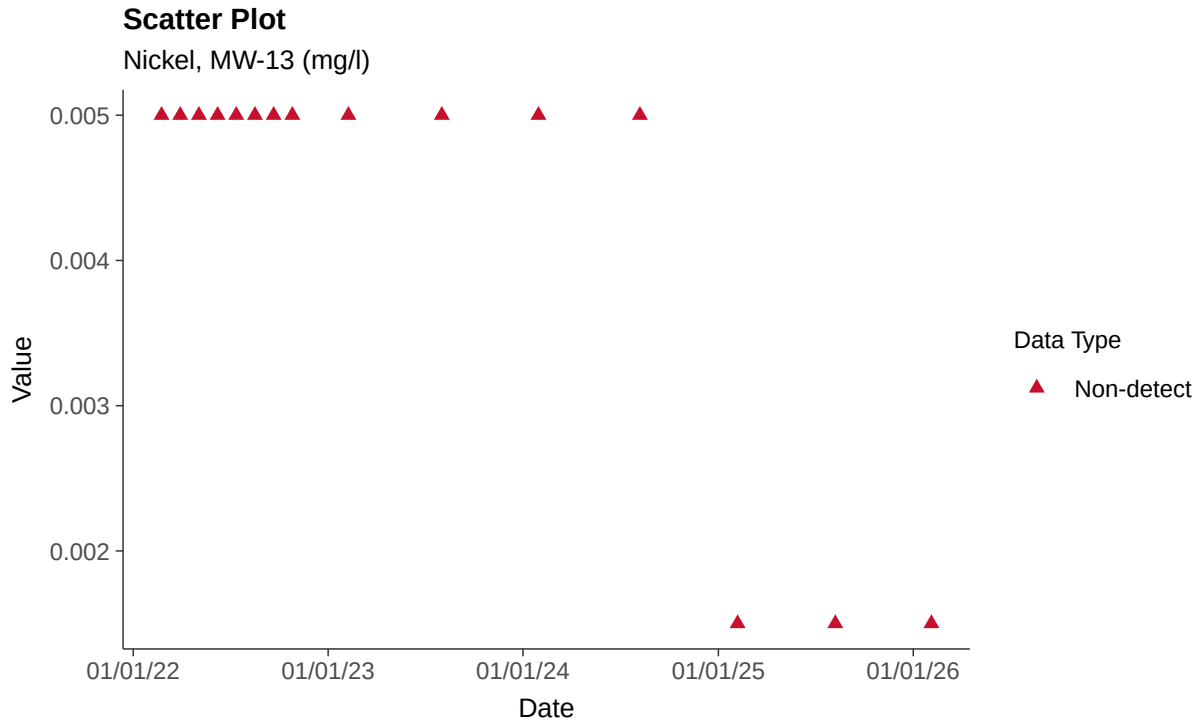
Iron, MW-13 (mg/l)

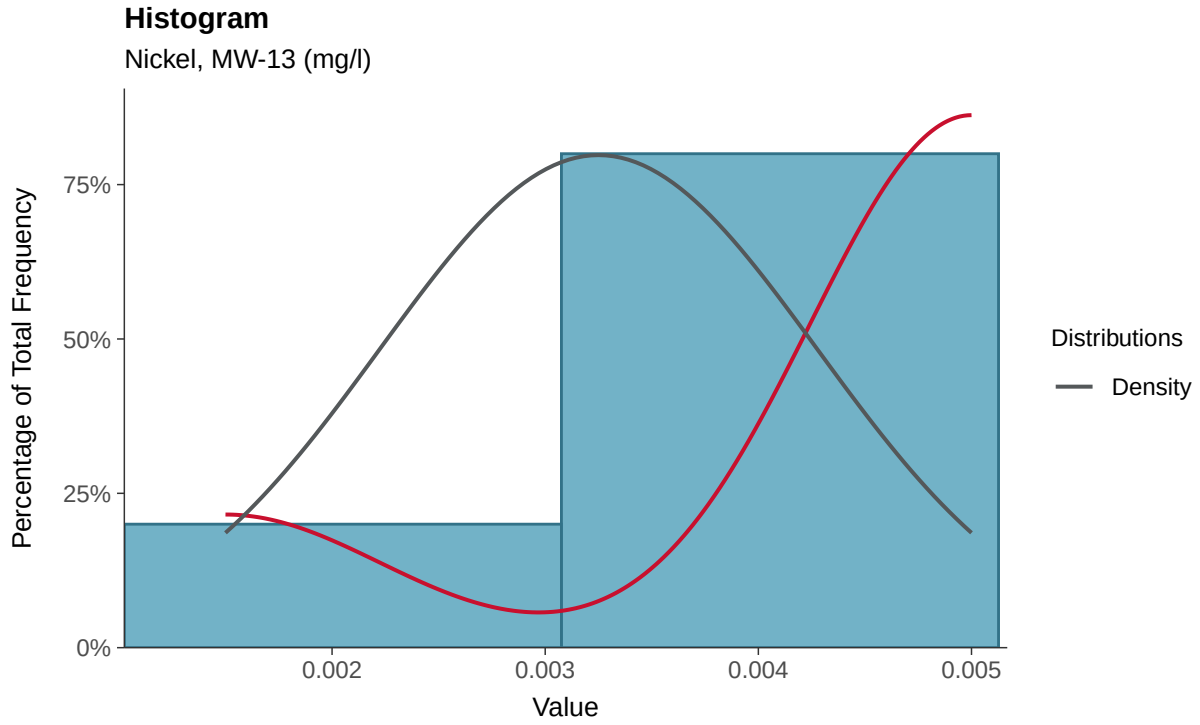



Trend Regression: Piecewise Linear-Linear
Iron, MW-13 (mg/l)
Value
1.0
0.5
0.0
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Nickel, MW-13

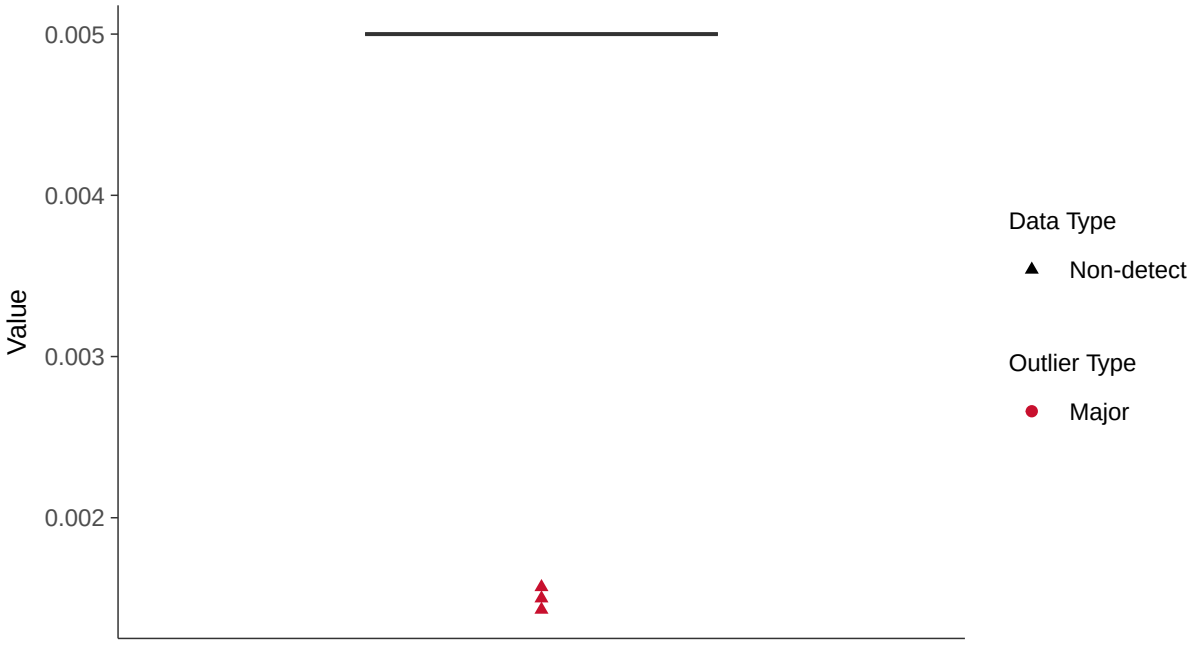
ID: 20_5_119





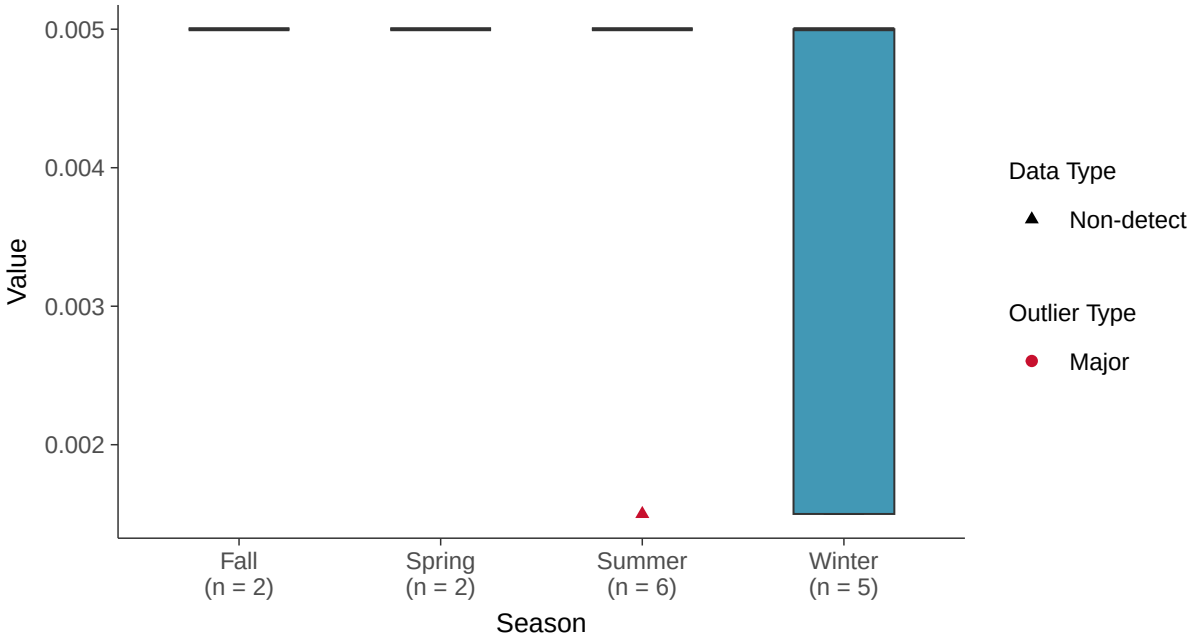
Boxplot

Nickel, MW-13 (mg/l)



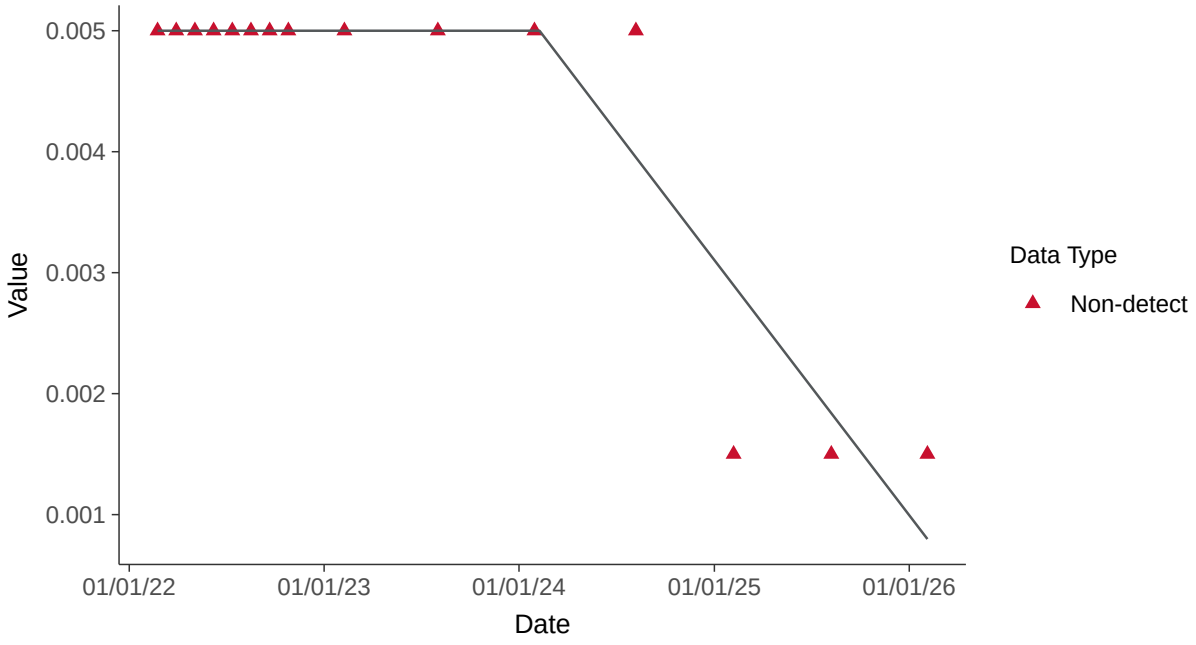
Boxplot by Season

Nickel, MW-13 (mg/l)



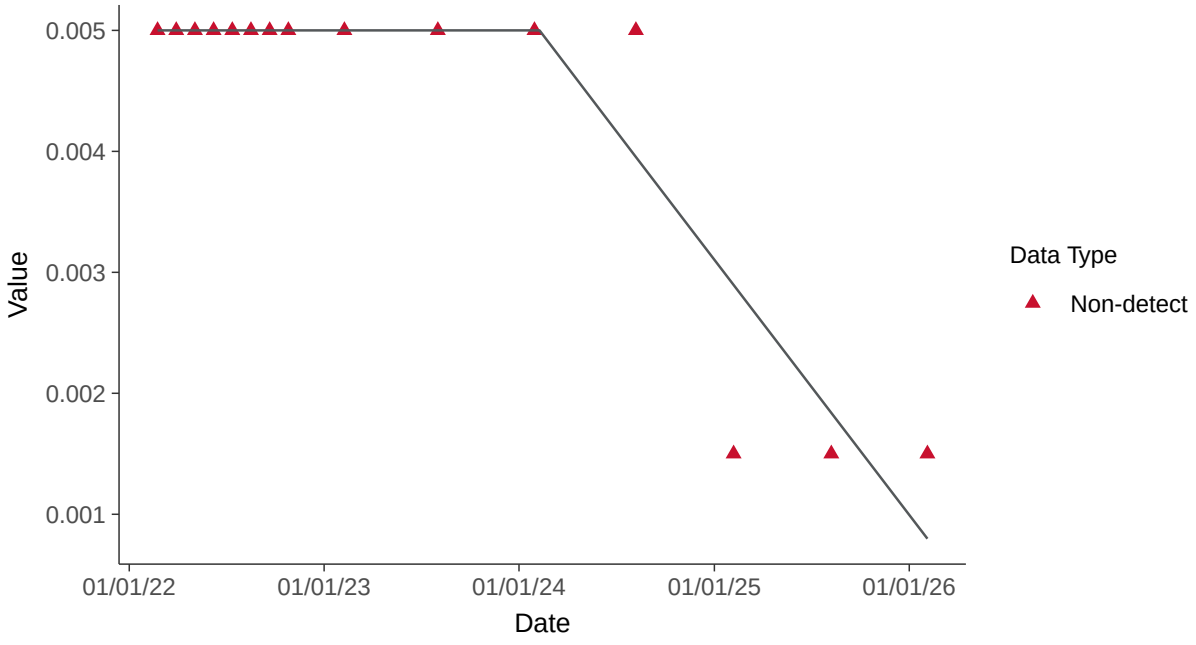
Trend Regression: Piecewise Linear-Linear

Nickel, MW-13 (mg/l)



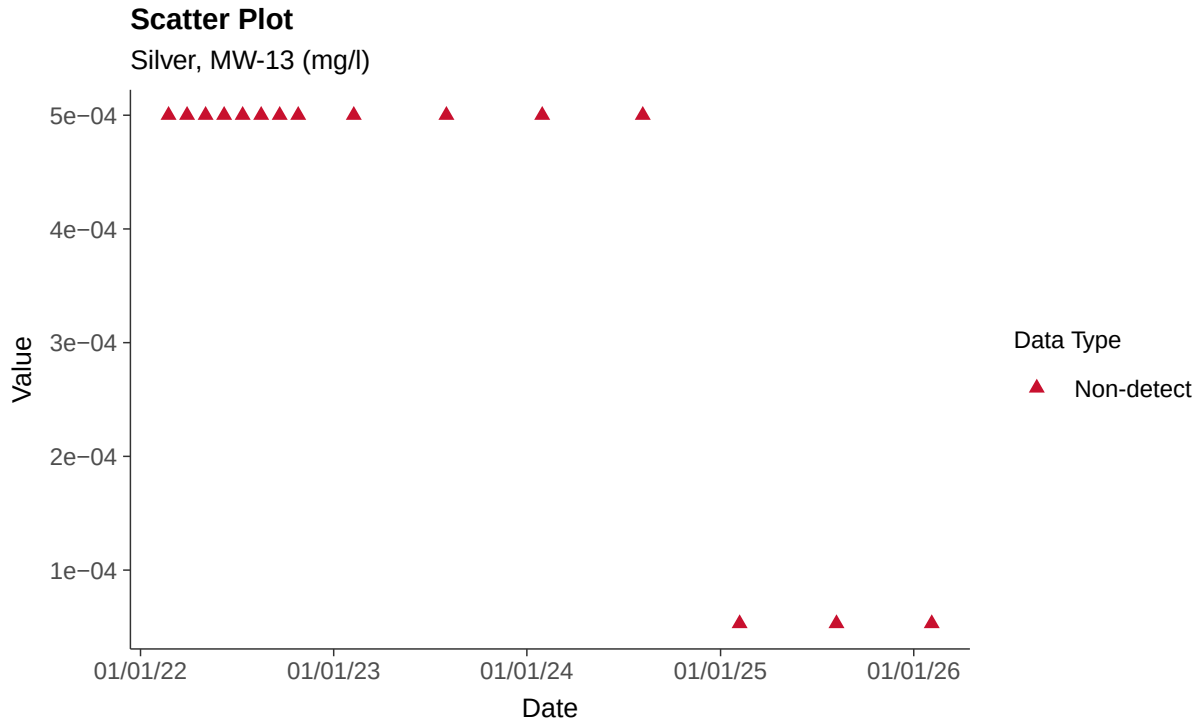
Trend Regression: Piecewise Linear-Linear-Linear

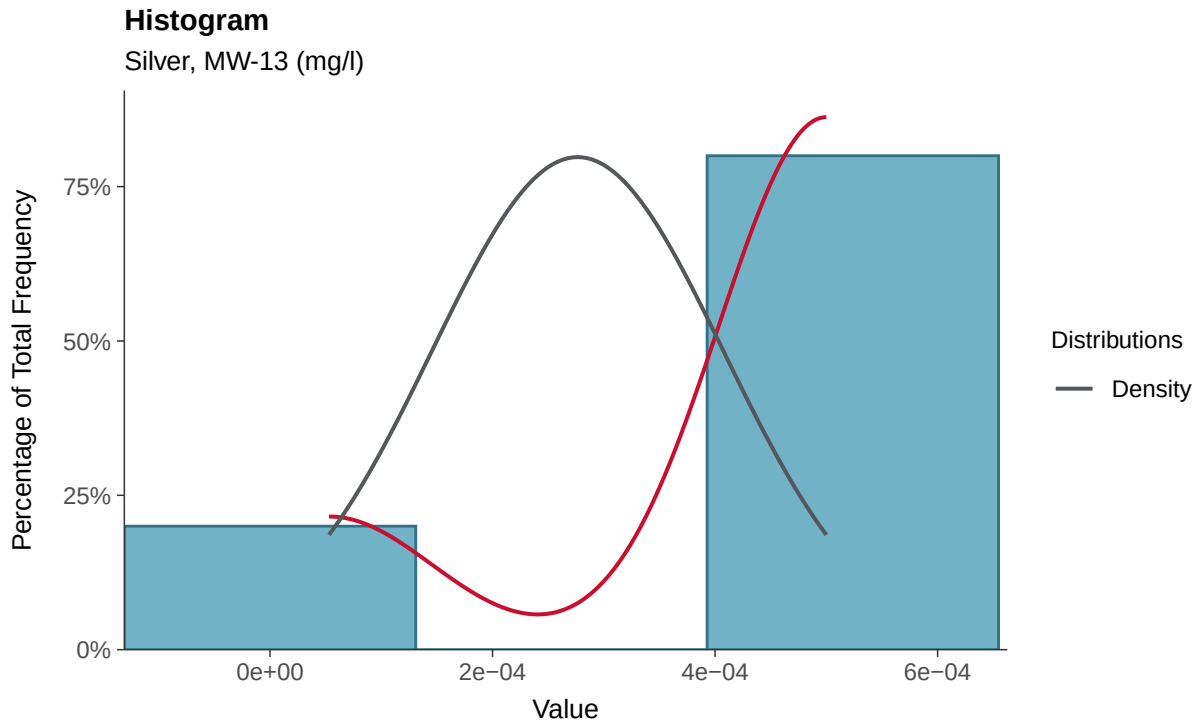
Nickel, MW-13 (mg/l)



Part 115: Silver, MW-13

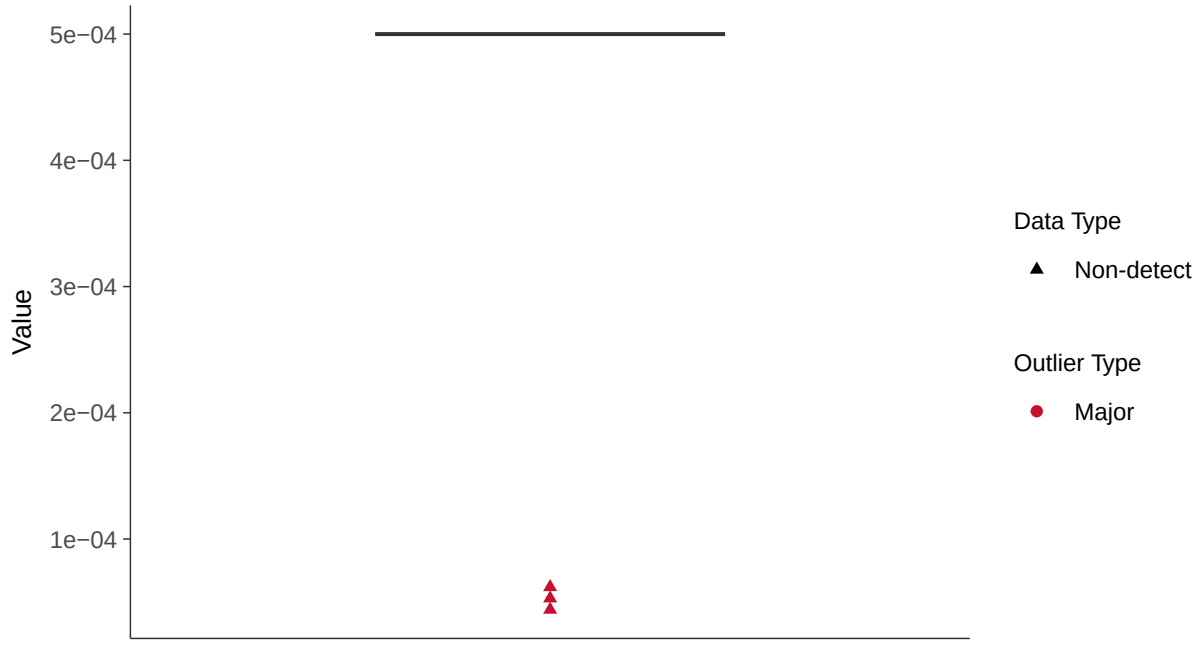
ID: 20_5_123





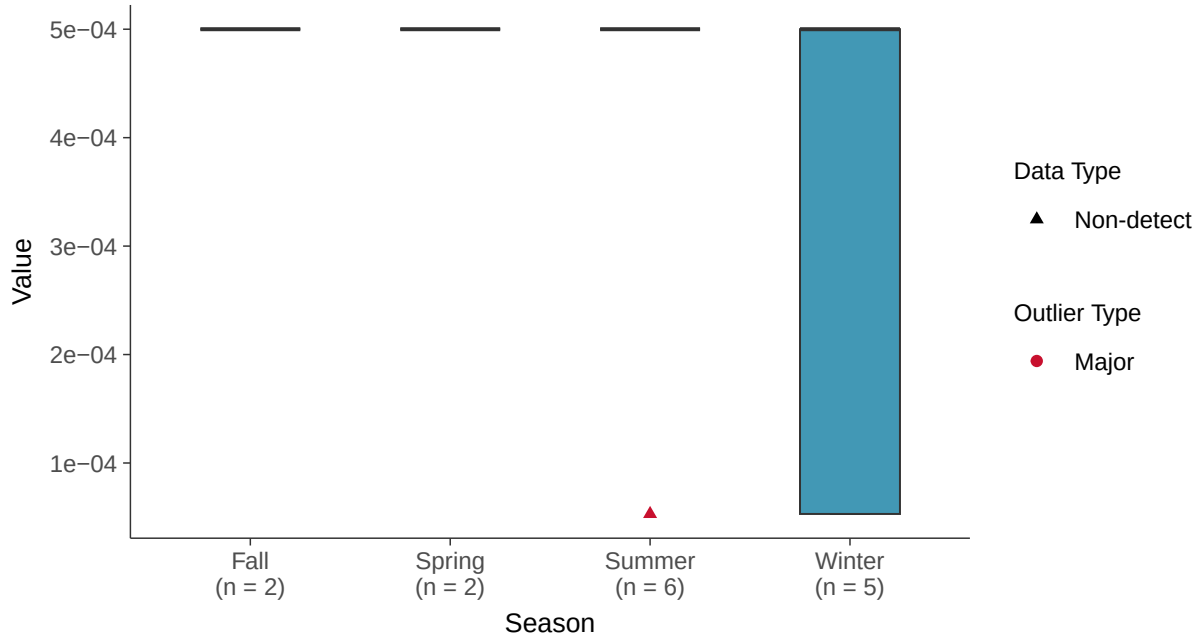
Boxplot

Silver, MW-13 (mg/l)



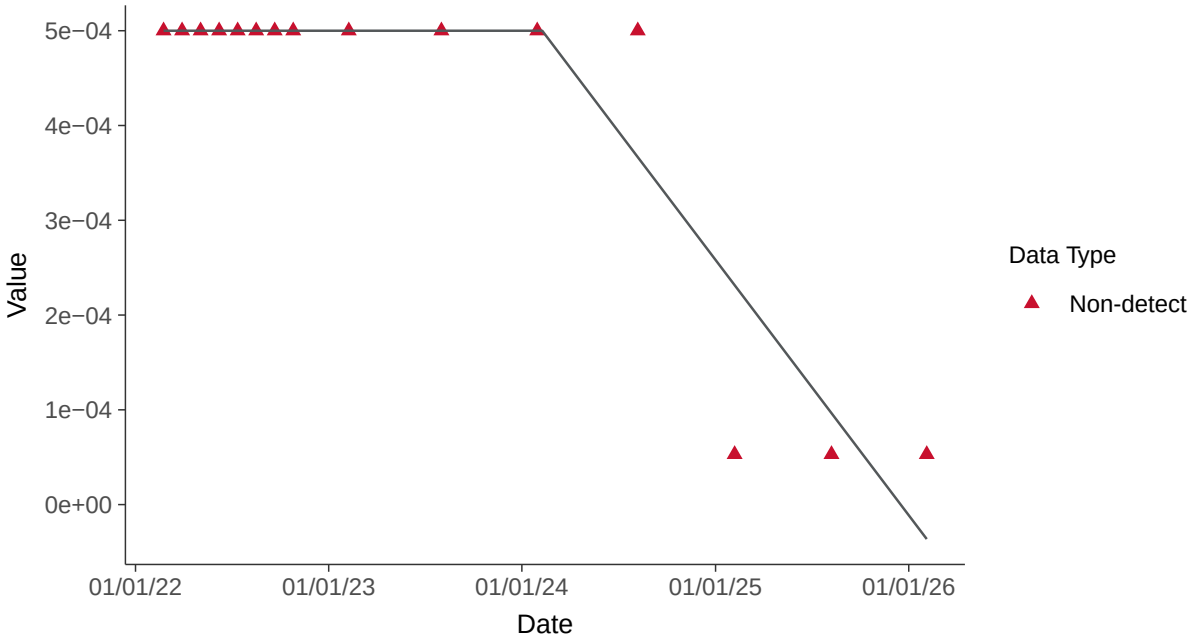
Boxplot by Season

Silver, MW-13 (mg/l)



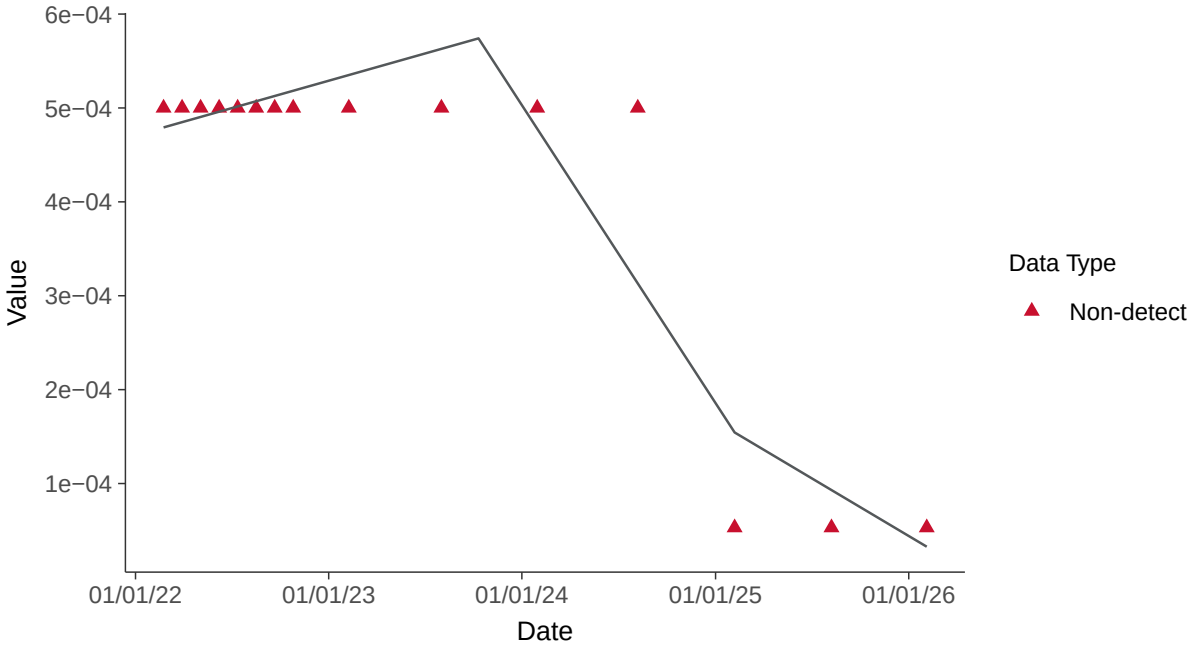
Trend Regression: Piecewise Linear-Linear

Silver, MW-13 (mg/l)



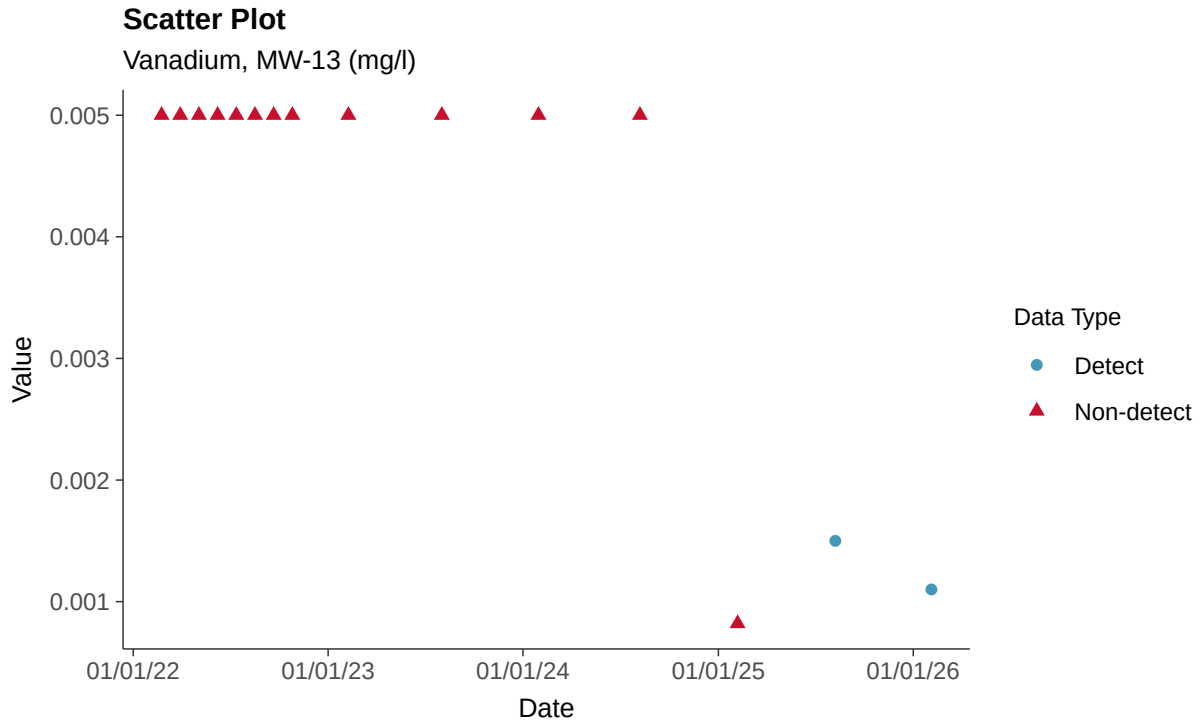
Trend Regression: Piecewise Linear-Linear-Linear

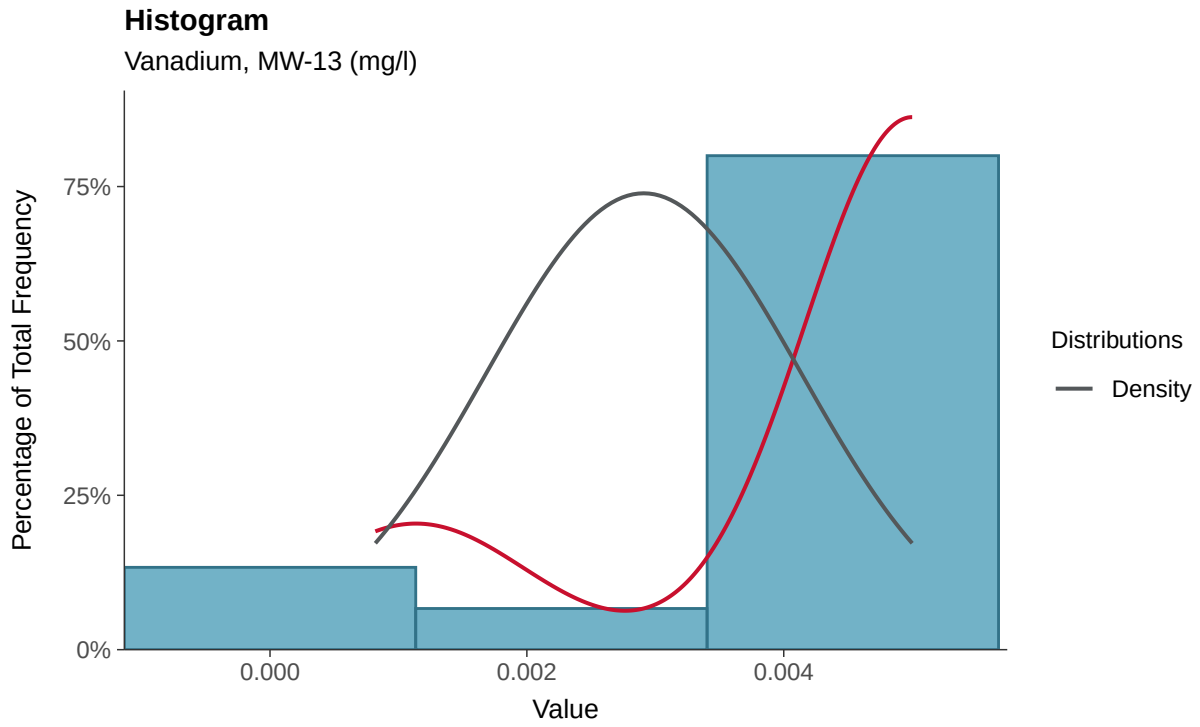
Silver, MW-13 (mg/l)



Part 115: Vanadium, MW-13

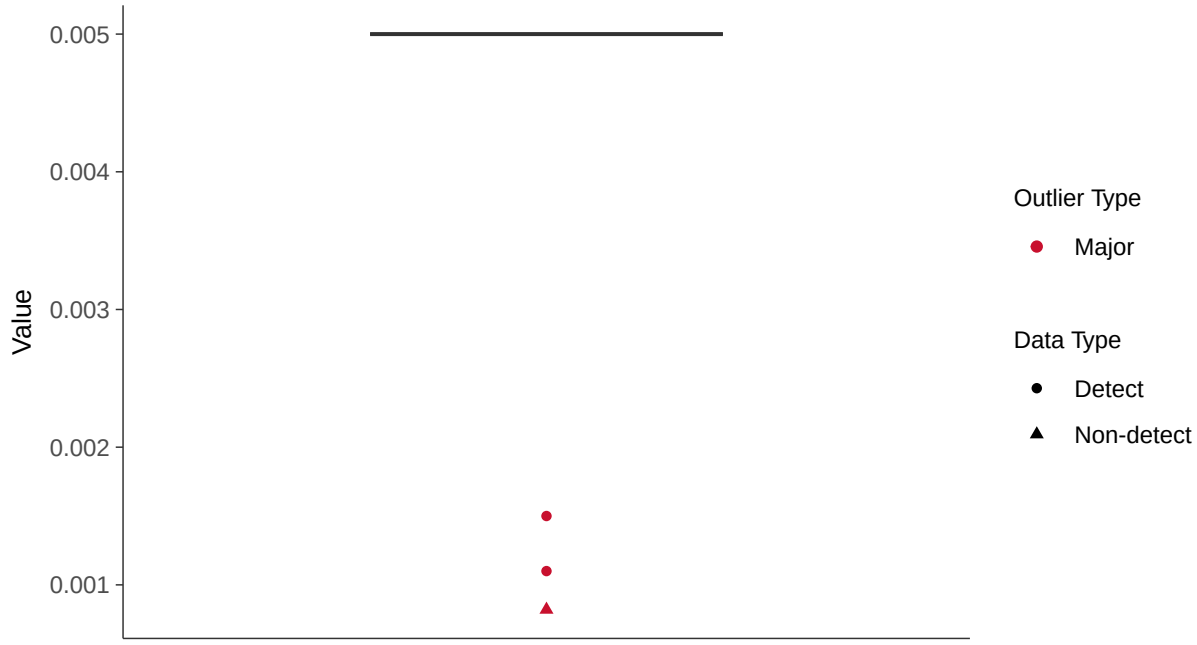
ID: 20_5_128





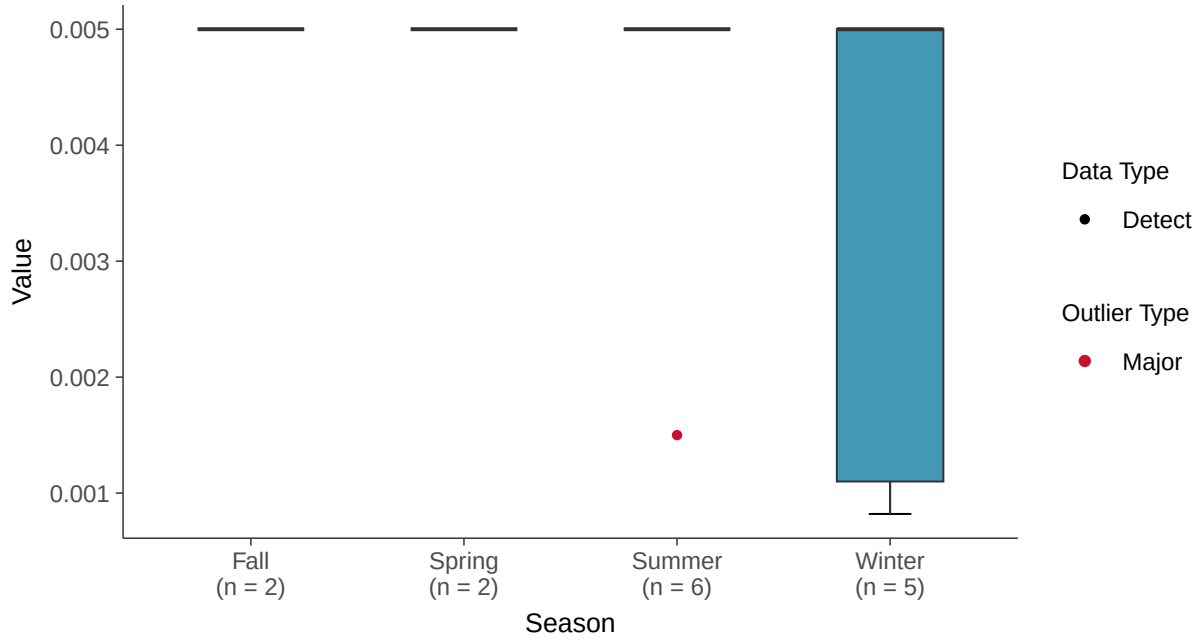
Boxplot

Vanadium, MW-13 (mg/l)



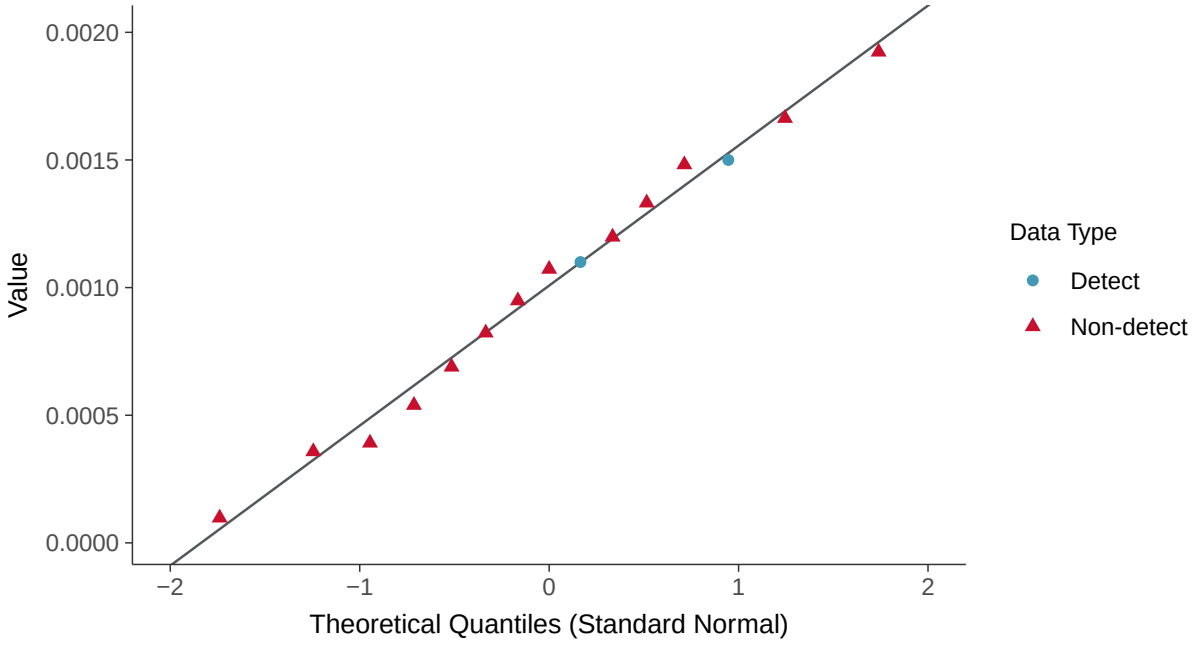
Boxplot by Season

Vanadium, MW-13 (mg/l)



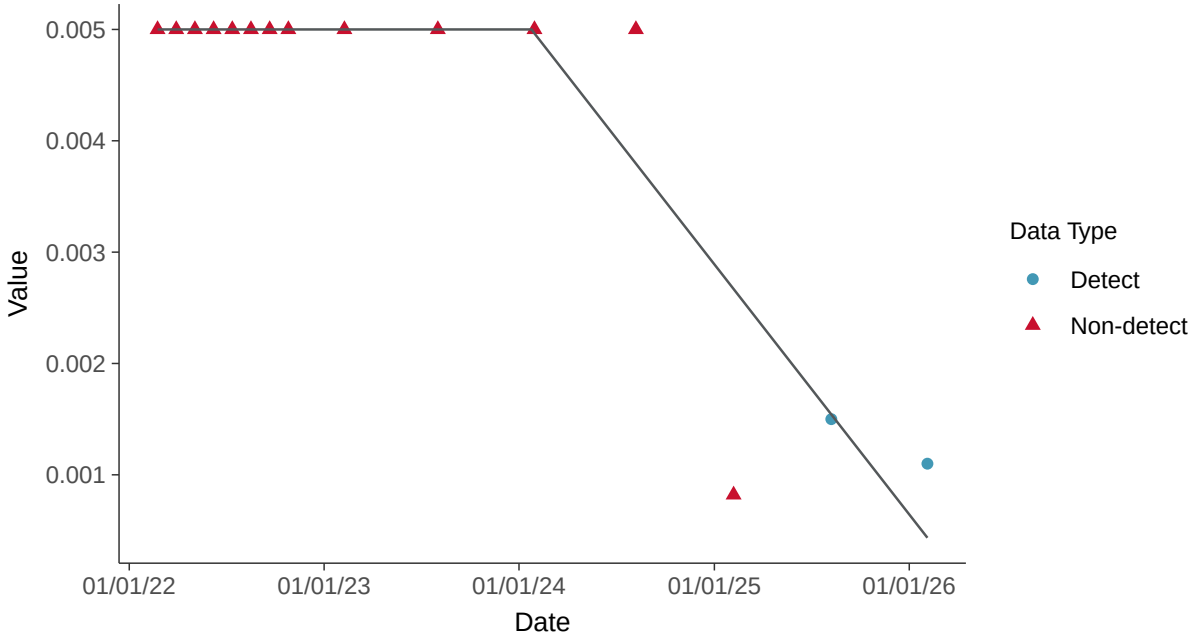
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-13 (mg/l)



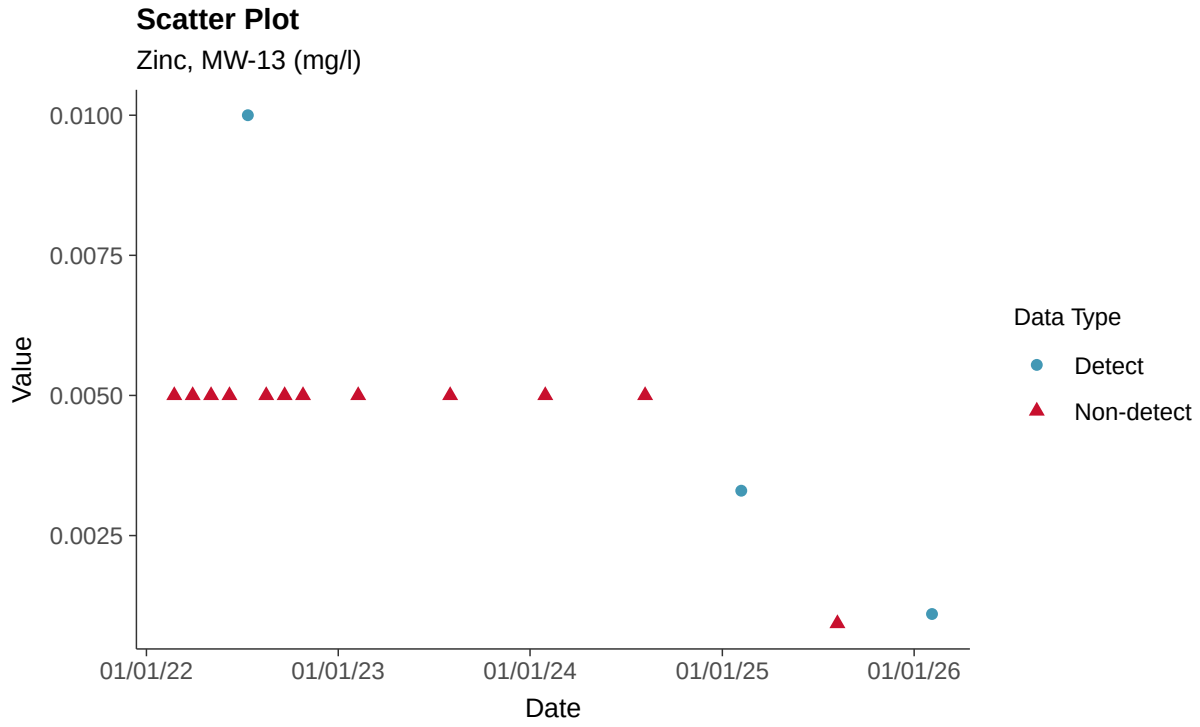
Trend Regression: Piecewise Linear-Linear

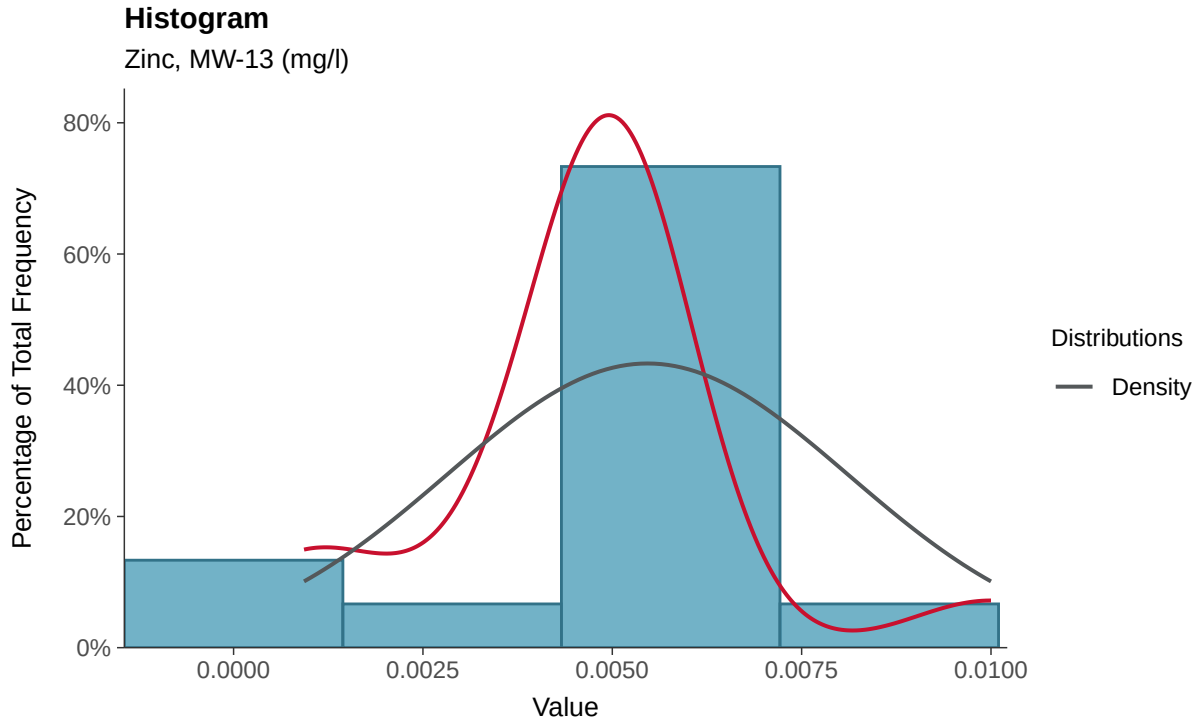
Vanadium, MW-13 (mg/l)



Part 115: Zinc, MW-13

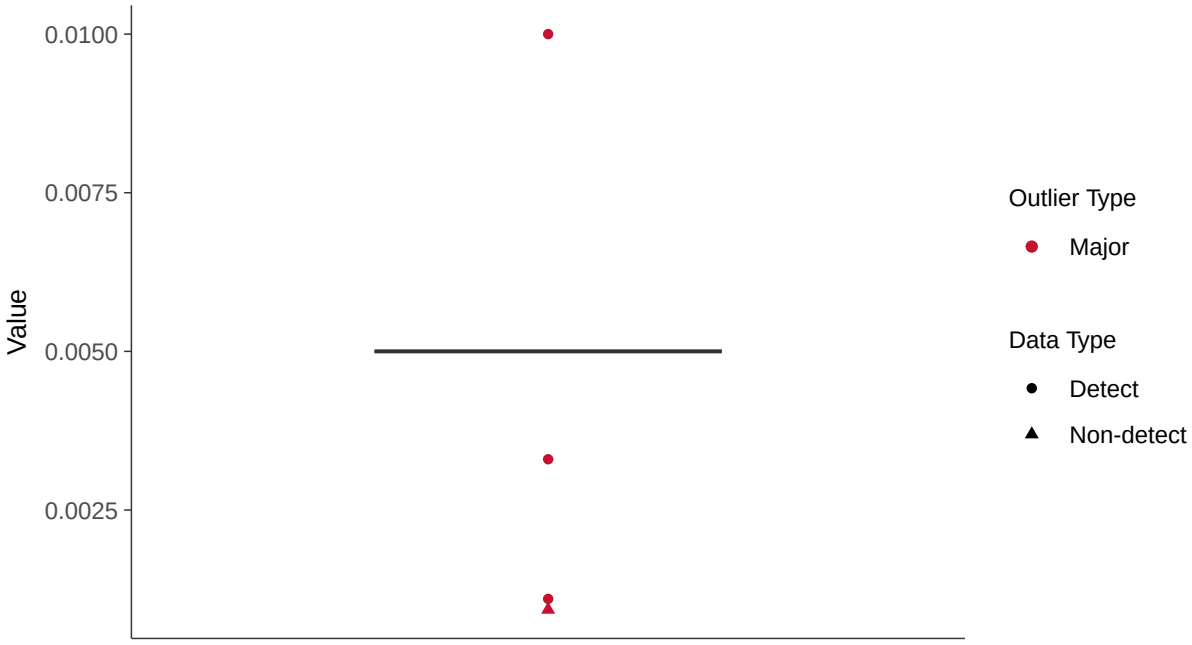
ID: 20_5_129





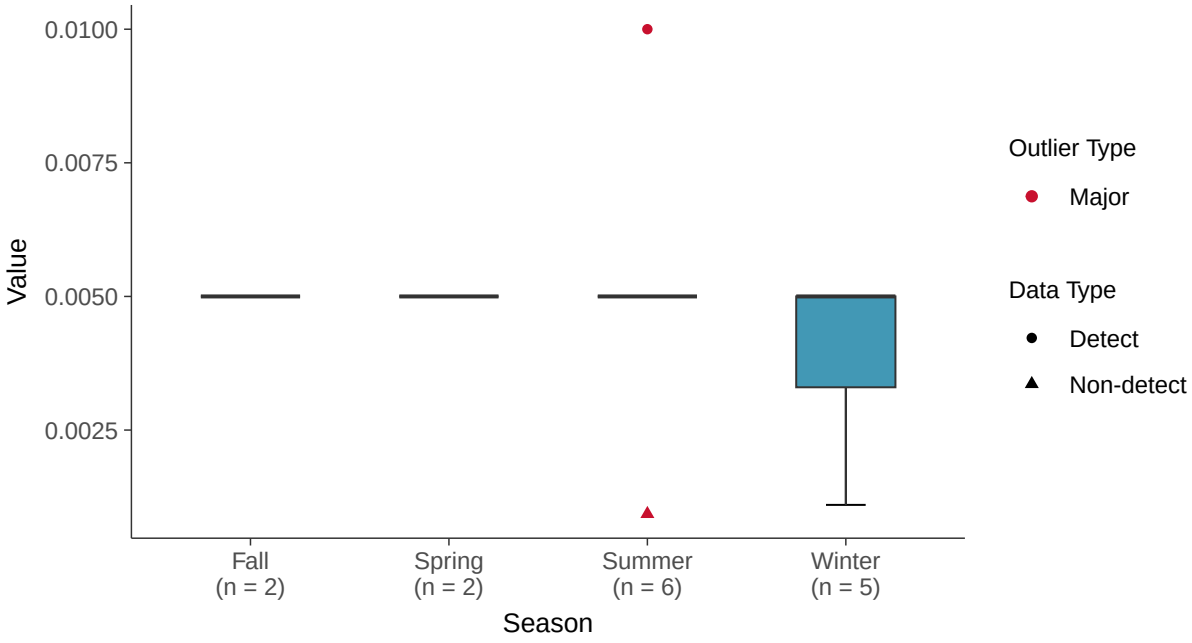
Boxplot

Zinc, MW-13 (mg/l)



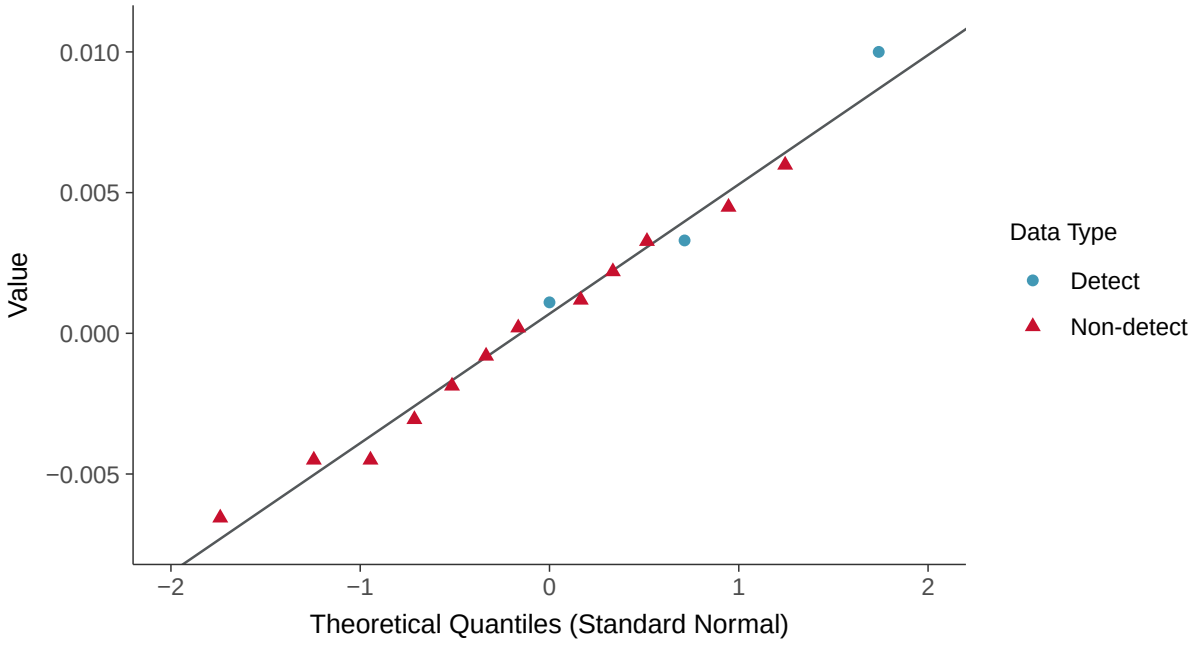
Boxplot by Season

Zinc, MW-13 (mg/l)



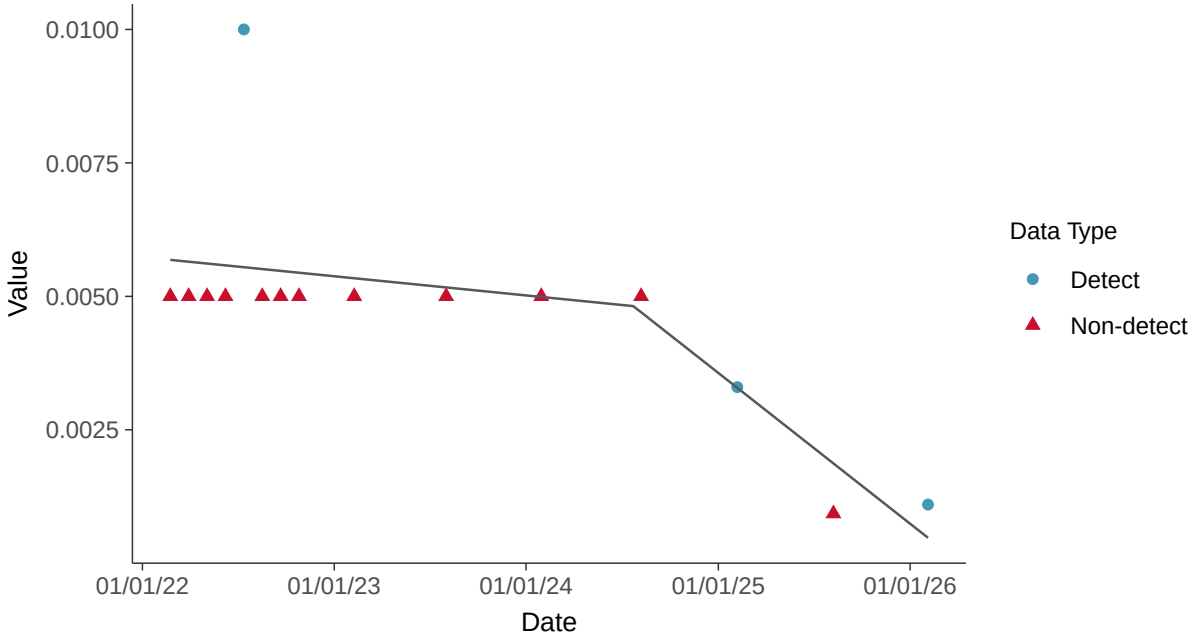
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-13 (mg/l)



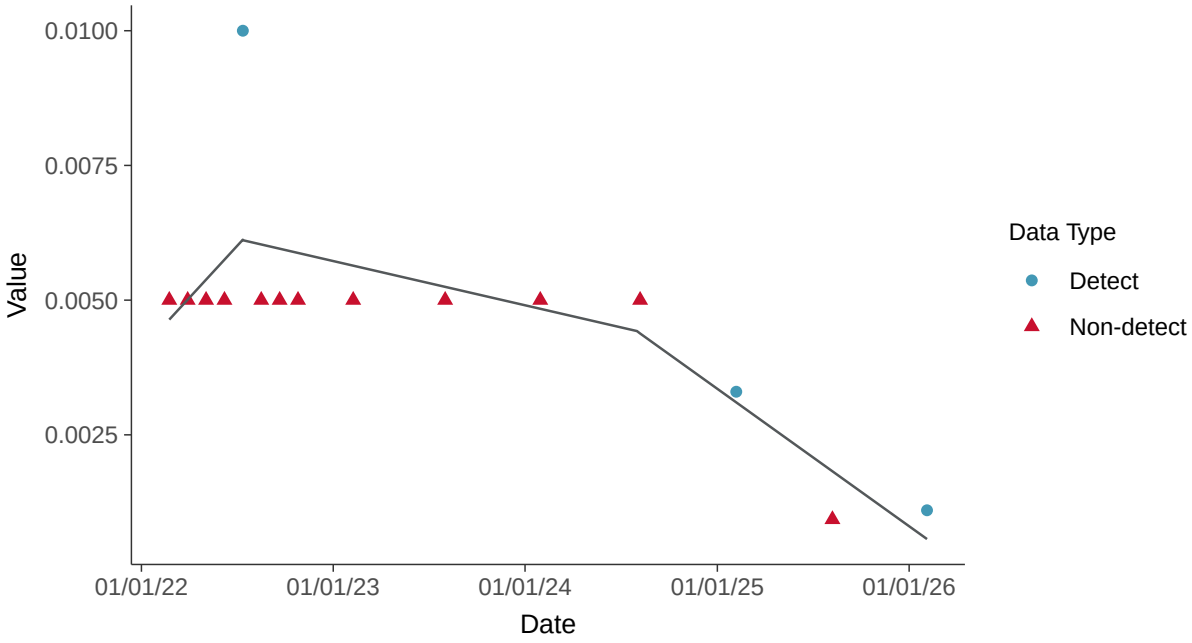
Trend Regression: Piecewise Linear-Linear

Zinc, MW-13 (mg/l)



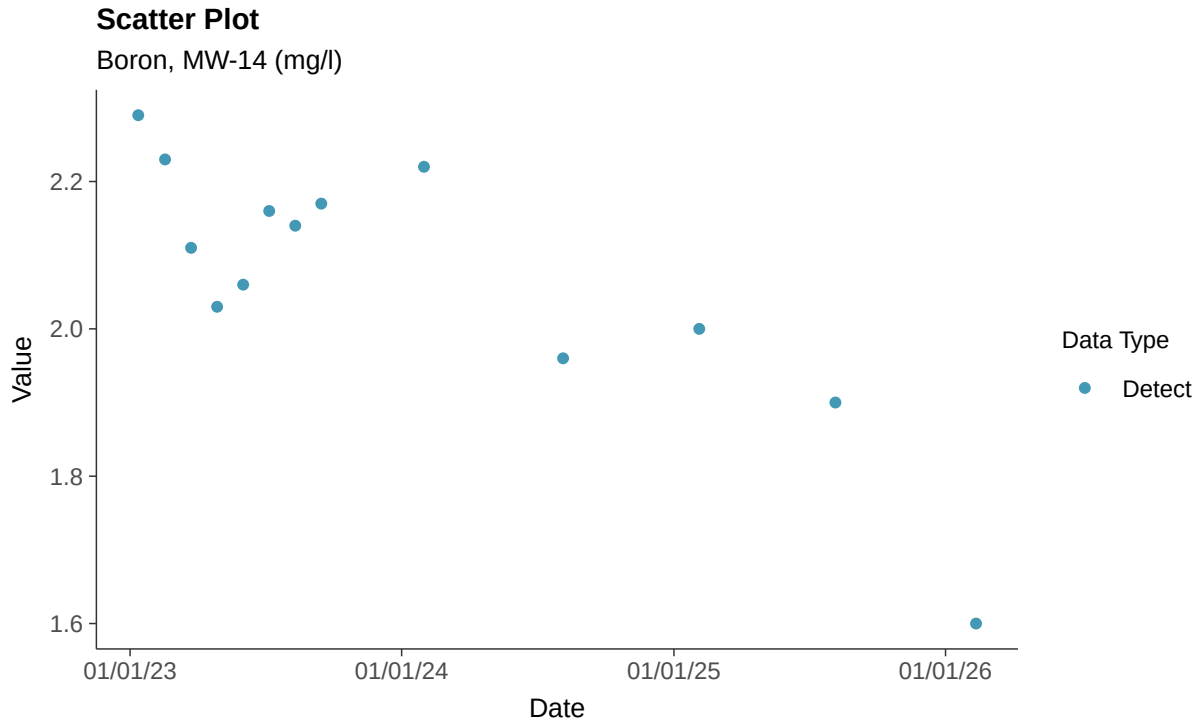
Trend Regression: Piecewise Linear-Linear-Linear

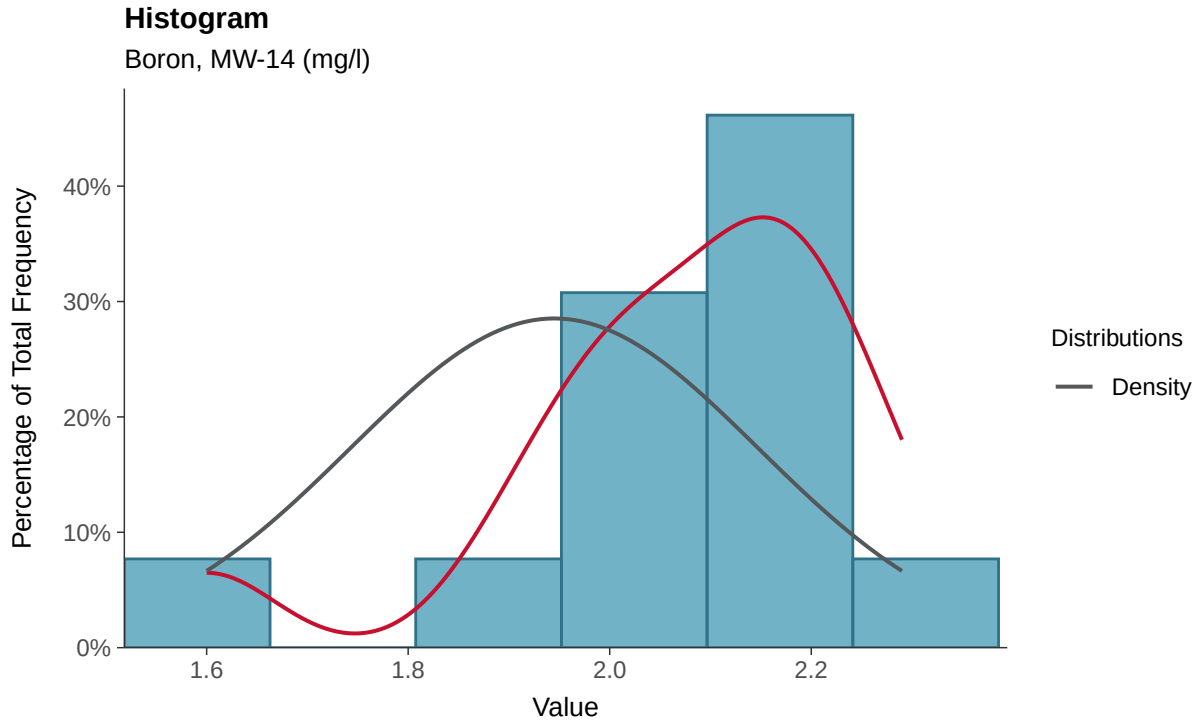
Zinc, MW-13 (mg/l)



Appendix III: Boron, MW-14

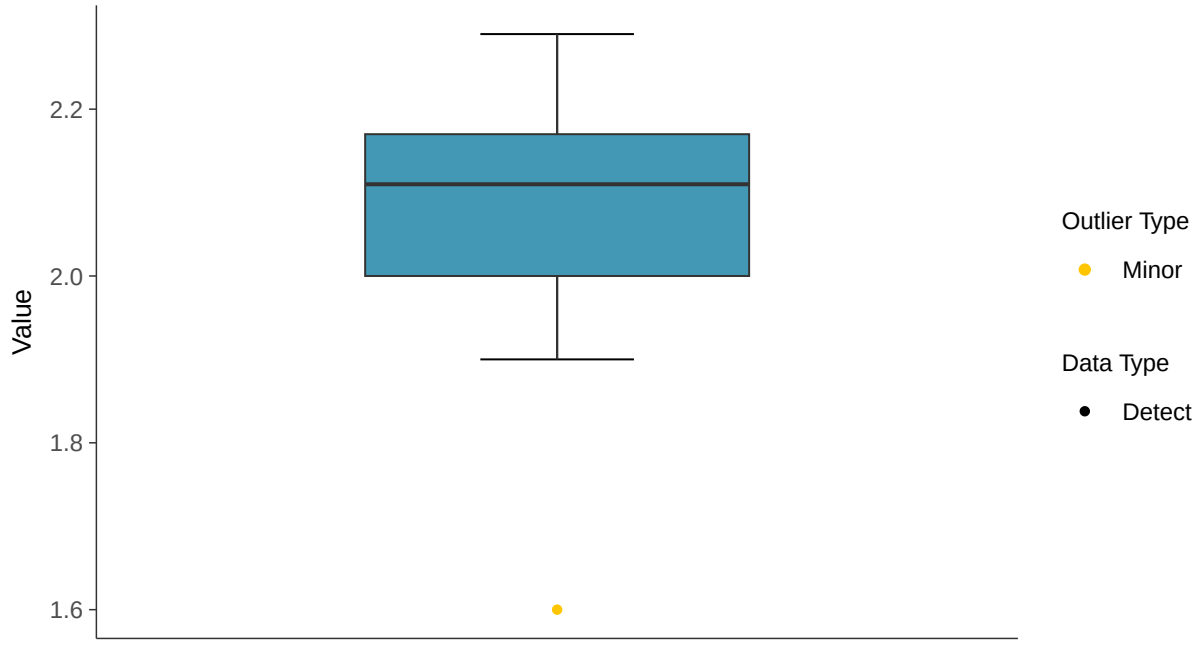
ID: 21_2_105





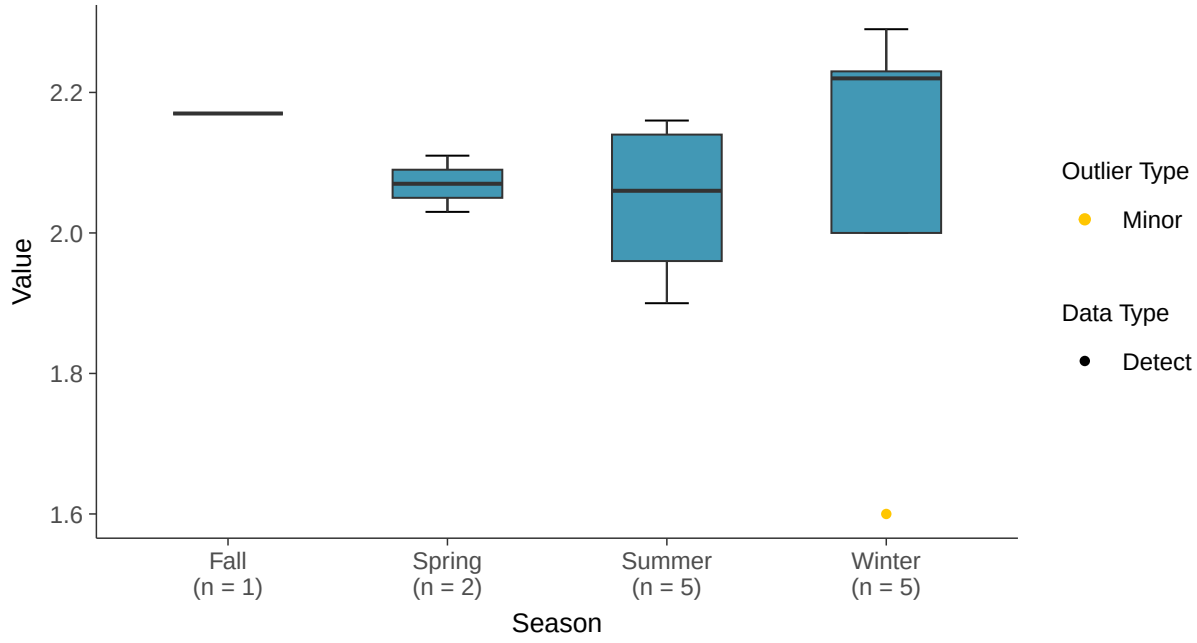
Boxplot

Boron, MW-14 (mg/l)



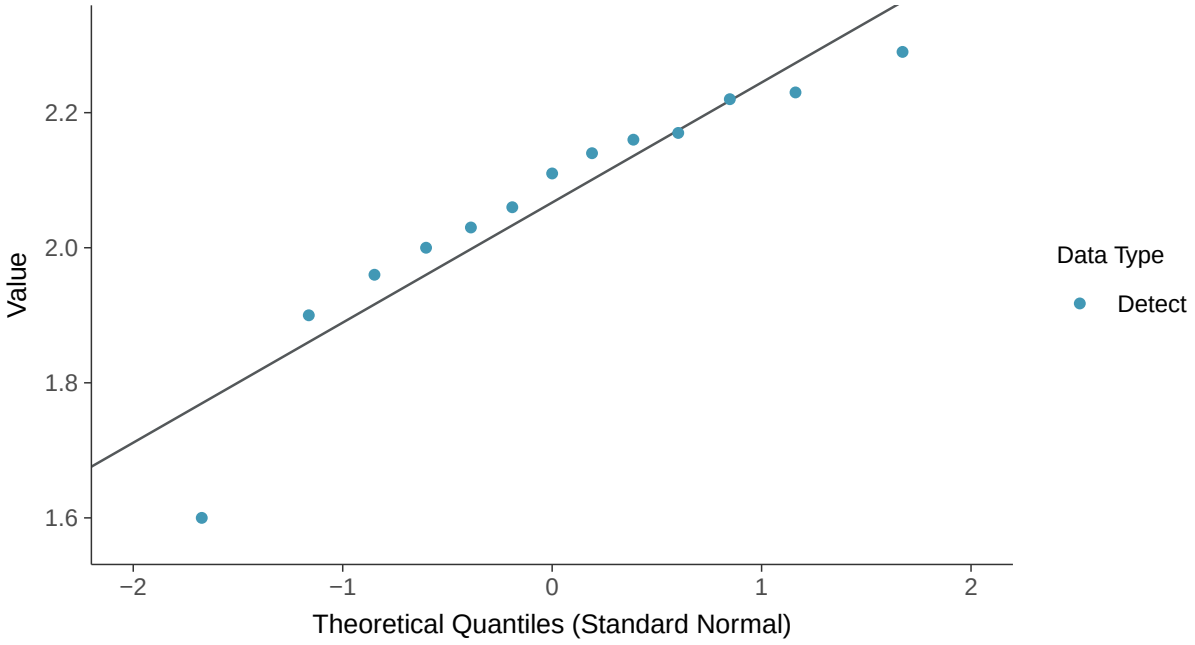
Boxplot by Season

Boron, MW-14 (mg/l)



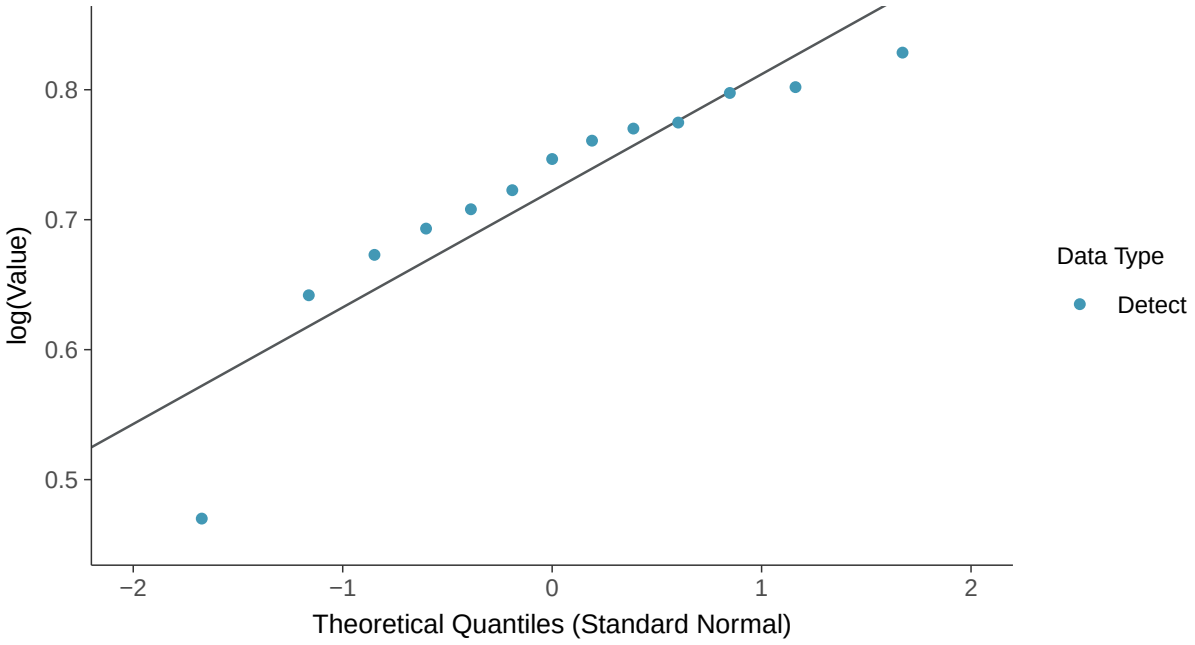
Normal Q-Q plot

Boron, MW-14 (mg/l)



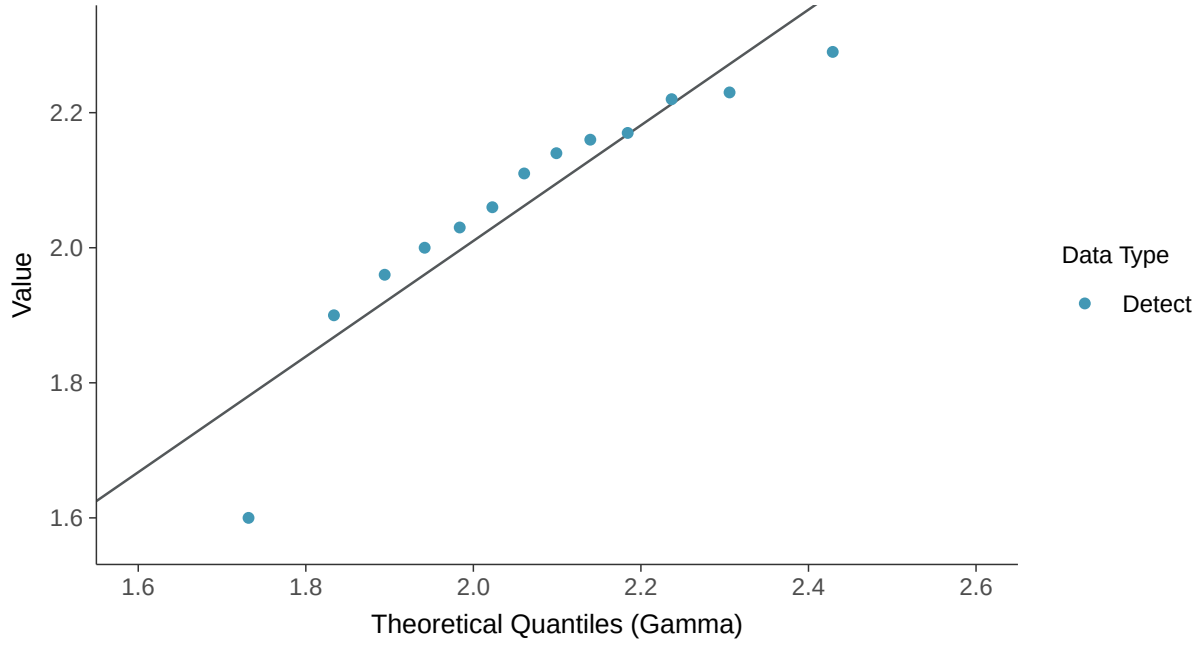
Lognormal Q-Q plot

Boron, MW-14 (mg/l)



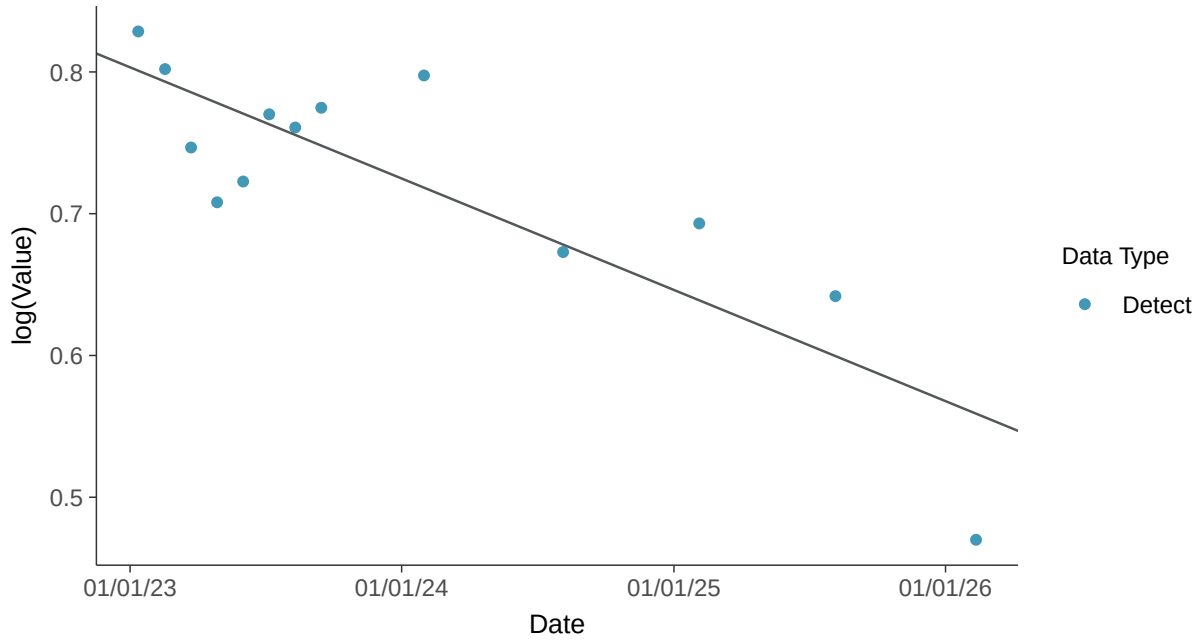
Gamma Q-Q plot

Boron, MW-14 (mg/l)



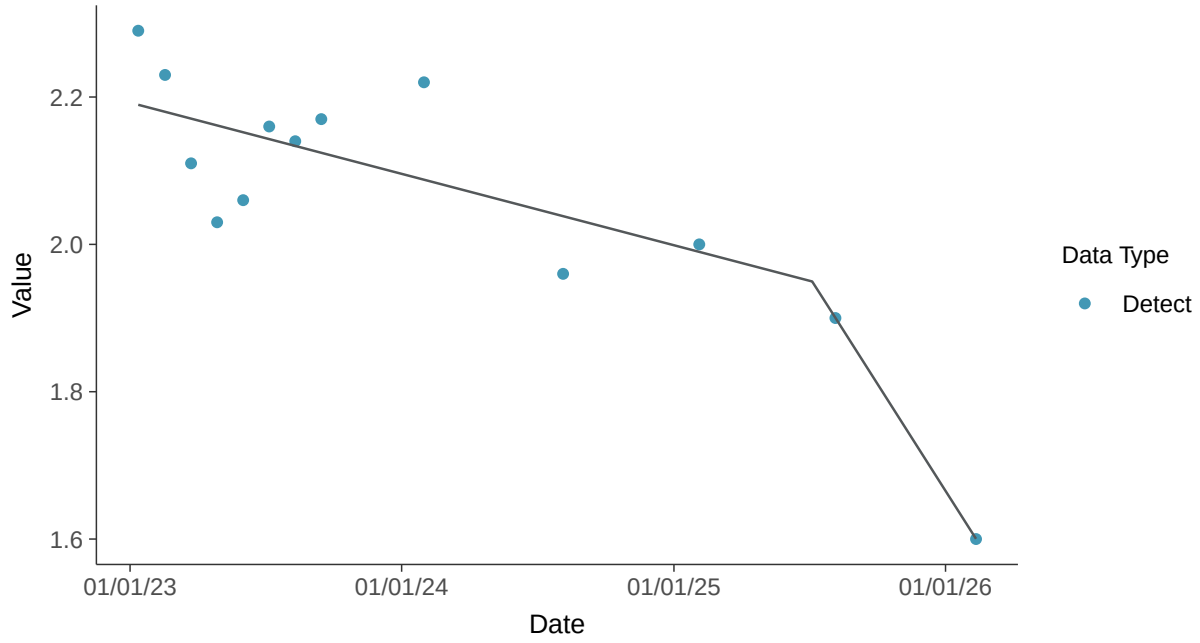
Trend Regression: Lognormal MLE

Boron, MW-14 (mg/l)



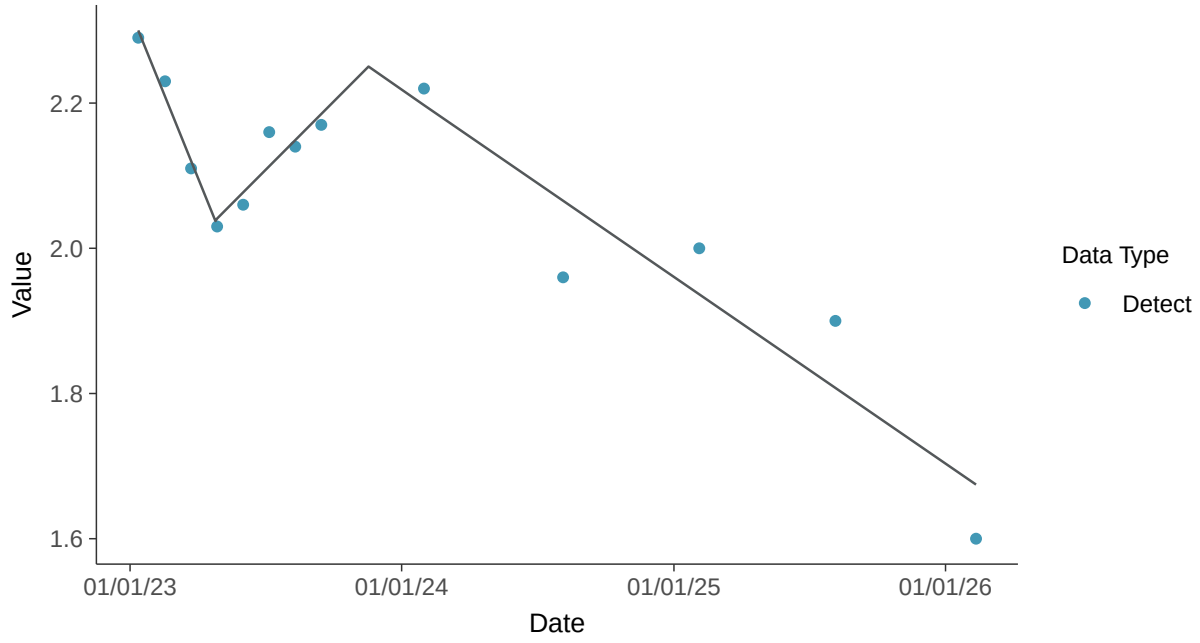
Trend Regression: Piecewise Linear-Linear

Boron, MW-14 (mg/l)



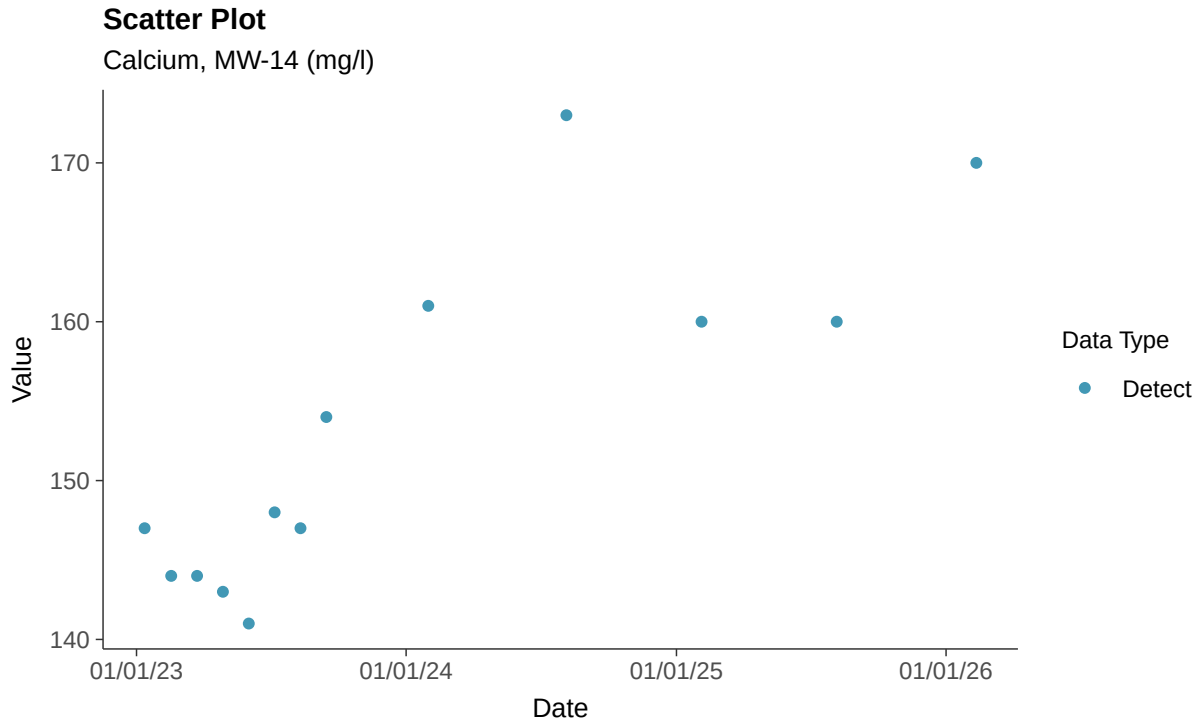
Trend Regression: Piecewise Linear-Linear-Linear

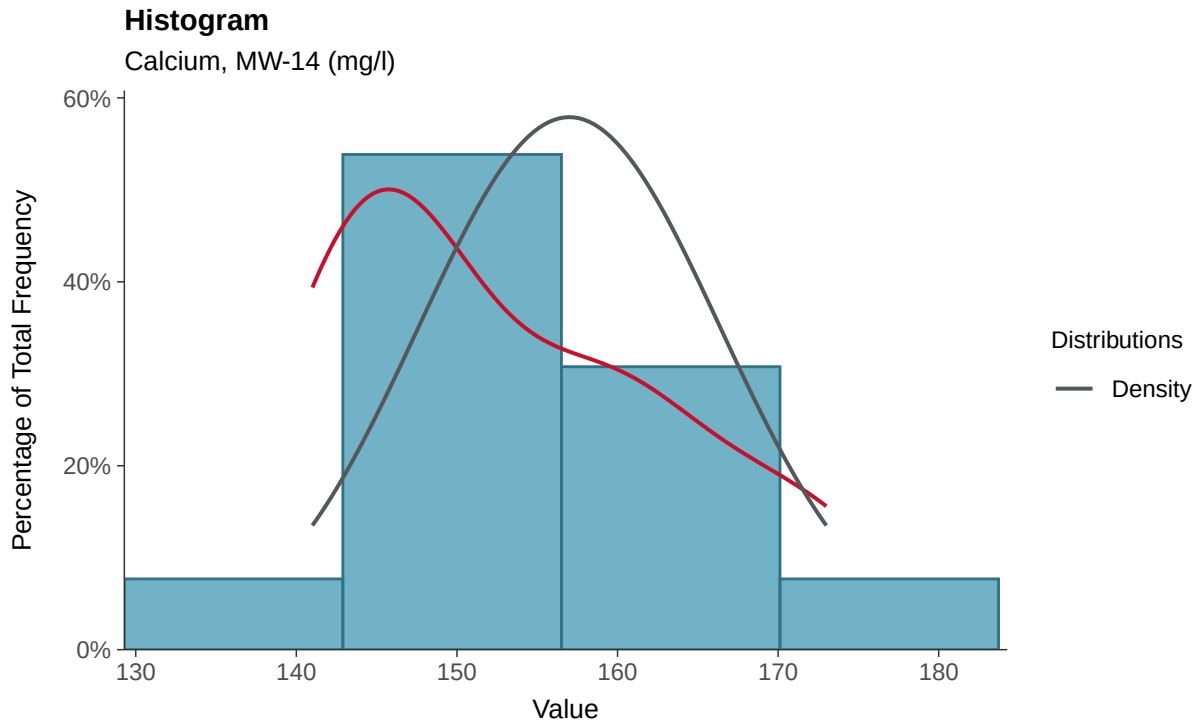
Boron, MW-14 (mg/l)



Appendix III: Calcium, MW-14

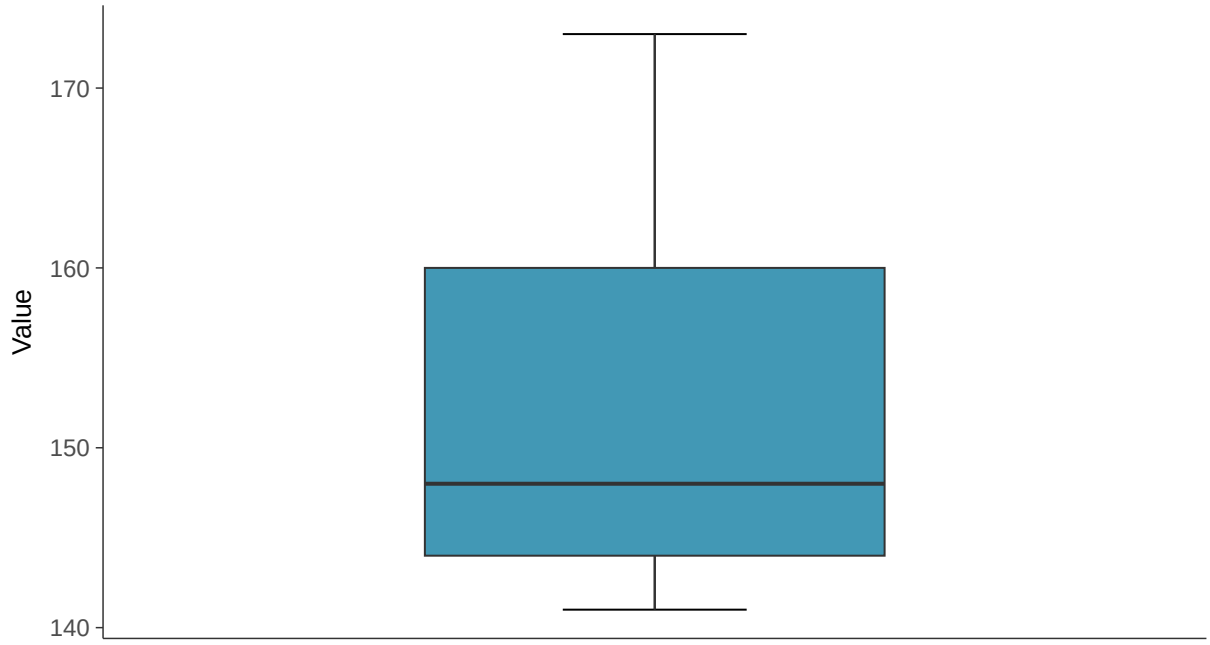
ID: 21_2_107





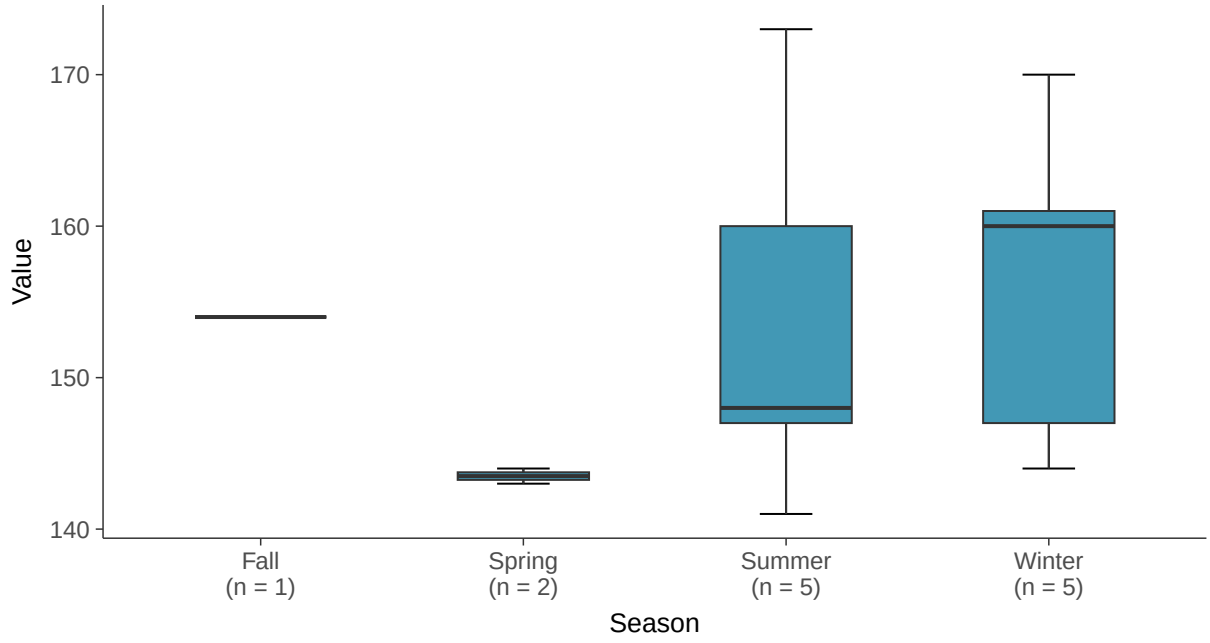
Boxplot

Calcium, MW-14 (mg/l)



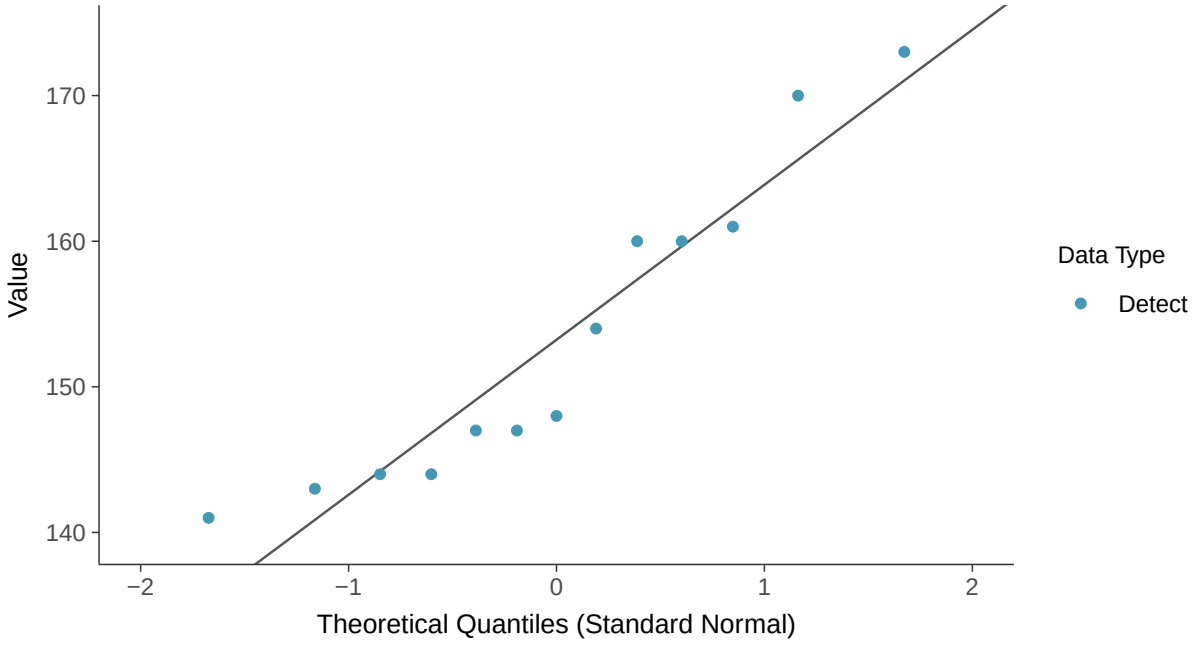
Boxplot by Season

Calcium, MW-14 (mg/l)



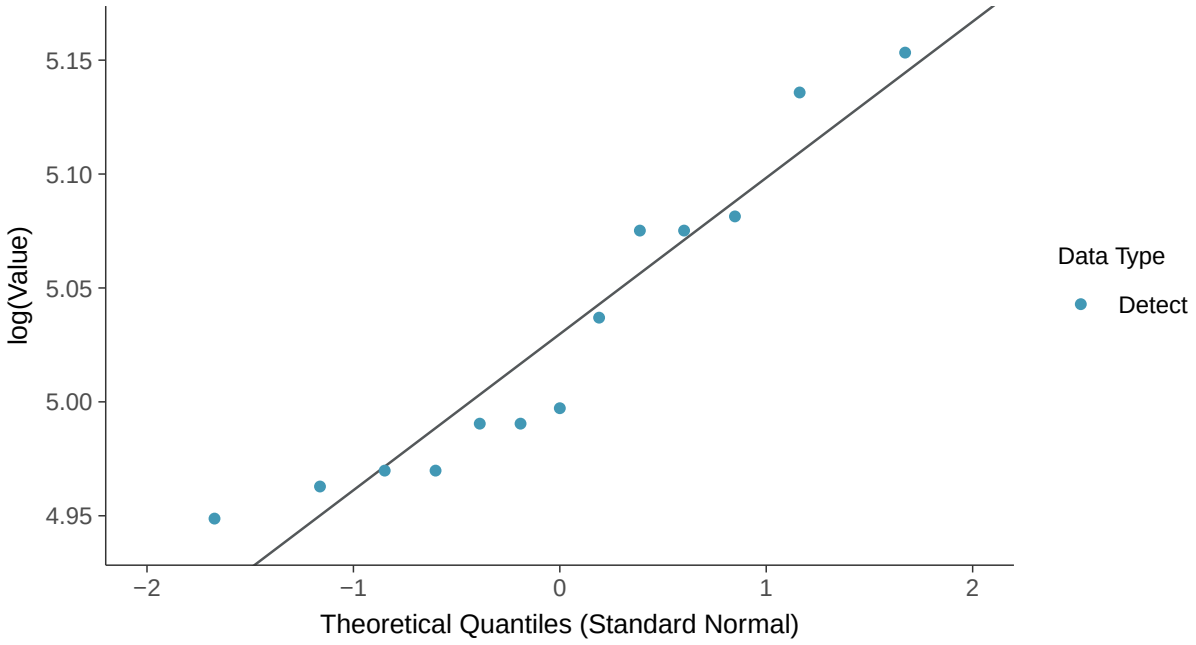
Normal Q-Q plot

Calcium, MW-14 (mg/l)



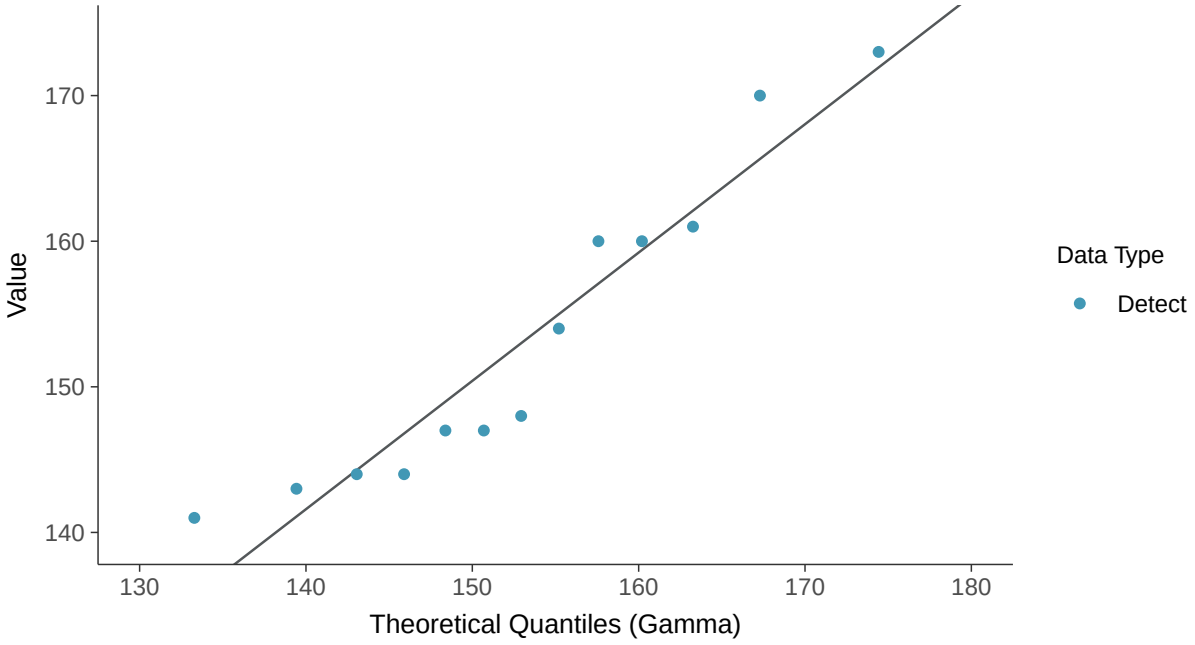
Lognormal Q-Q plot

Calcium, MW-14 (mg/l)



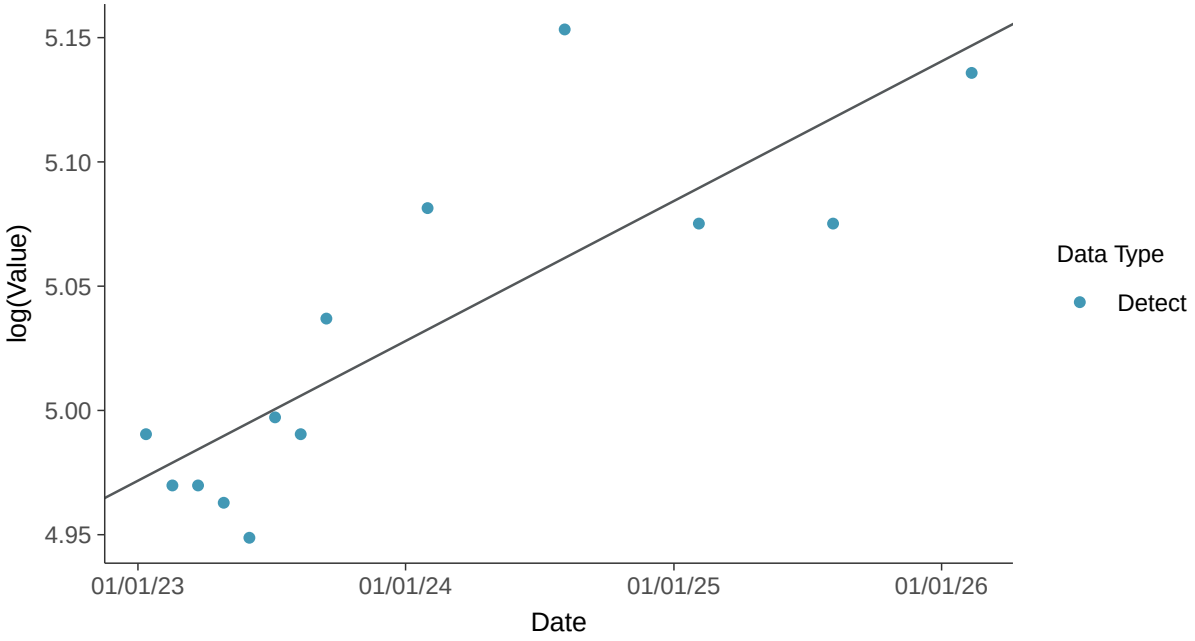
Gamma Q-Q plot

Calcium, MW-14 (mg/l)



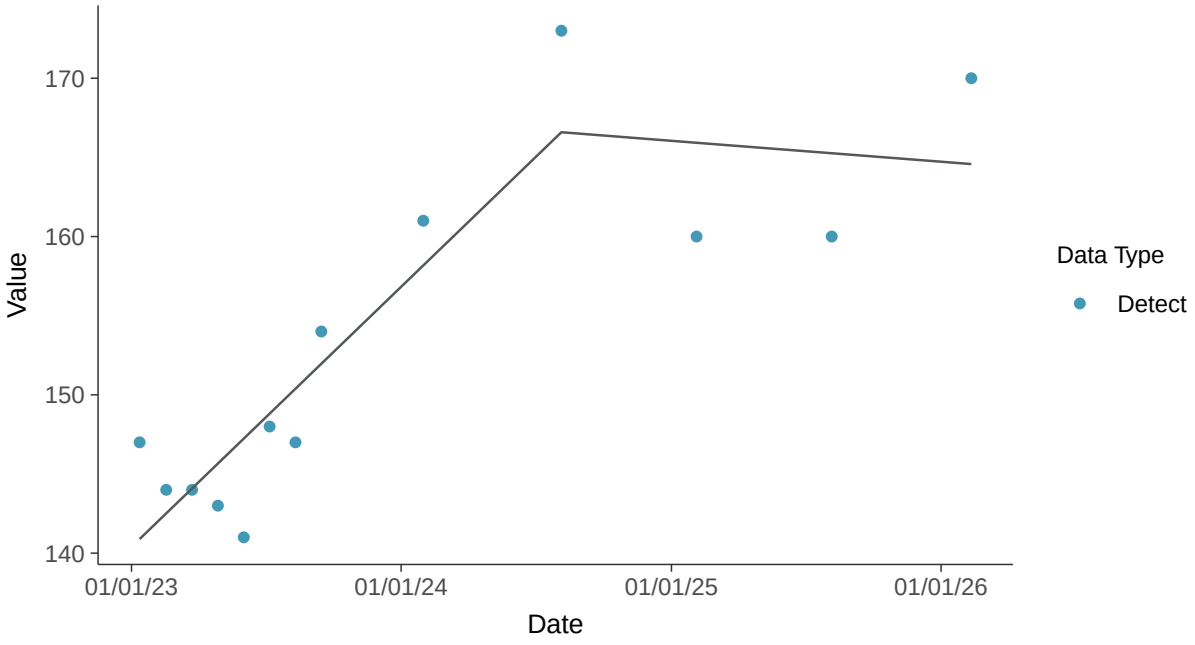
Trend Regression: Lognormal MLE

Calcium, MW-14 (mg/l)



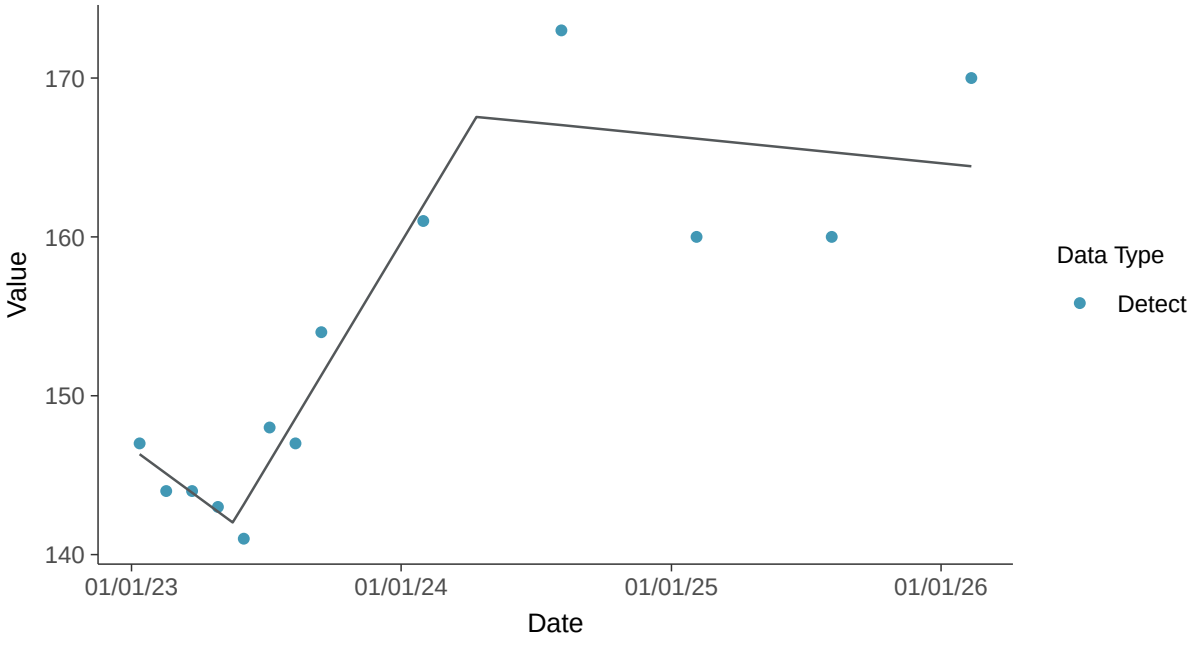
Trend Regression: Piecewise Linear-Linear

Calcium, MW-14 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Calcium, MW-14 (mg/l)

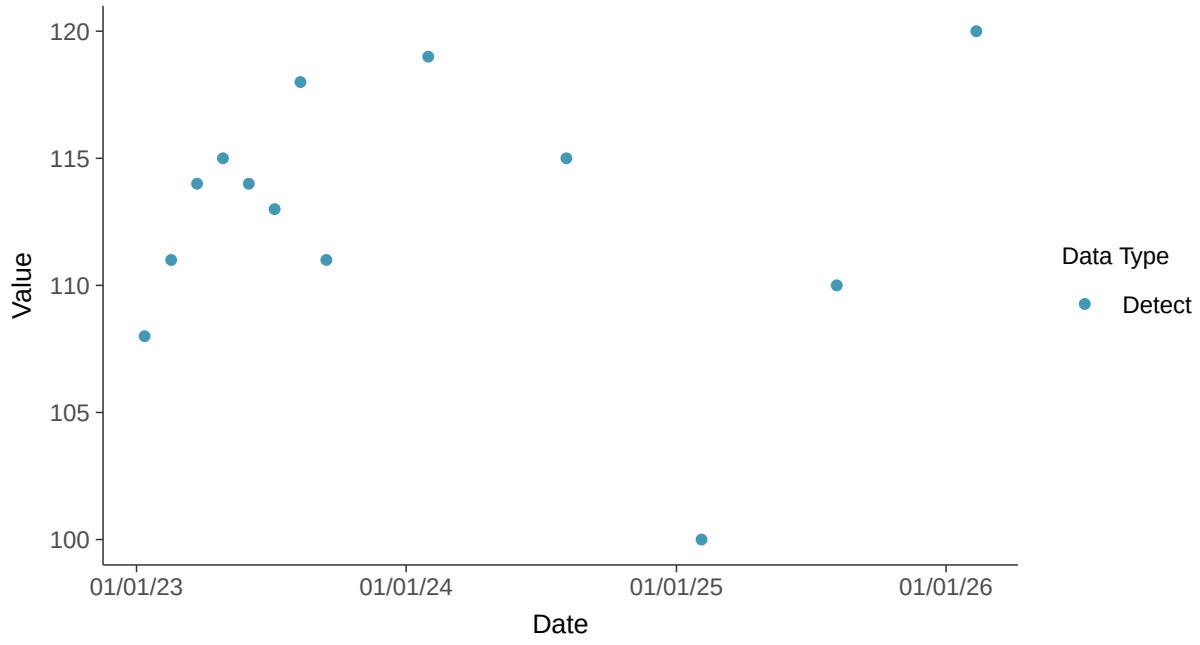


Appendix III: Chloride, MW-14

ID: 21_2_108

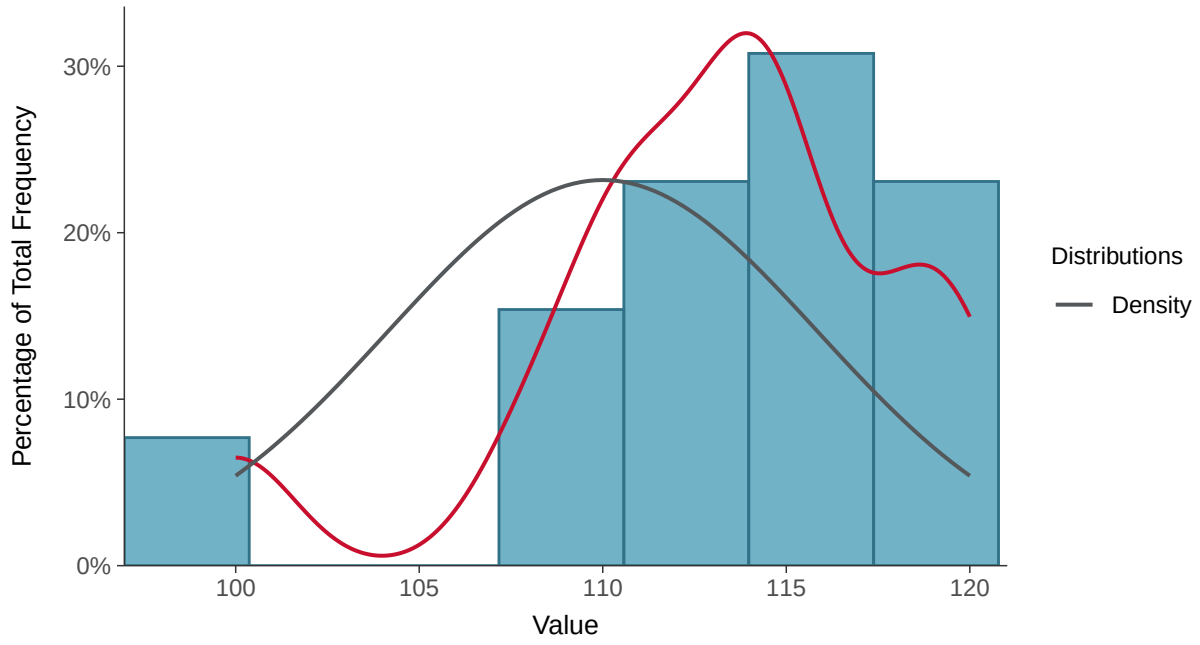
Scatter Plot

Chloride, MW-14 (mg/l)



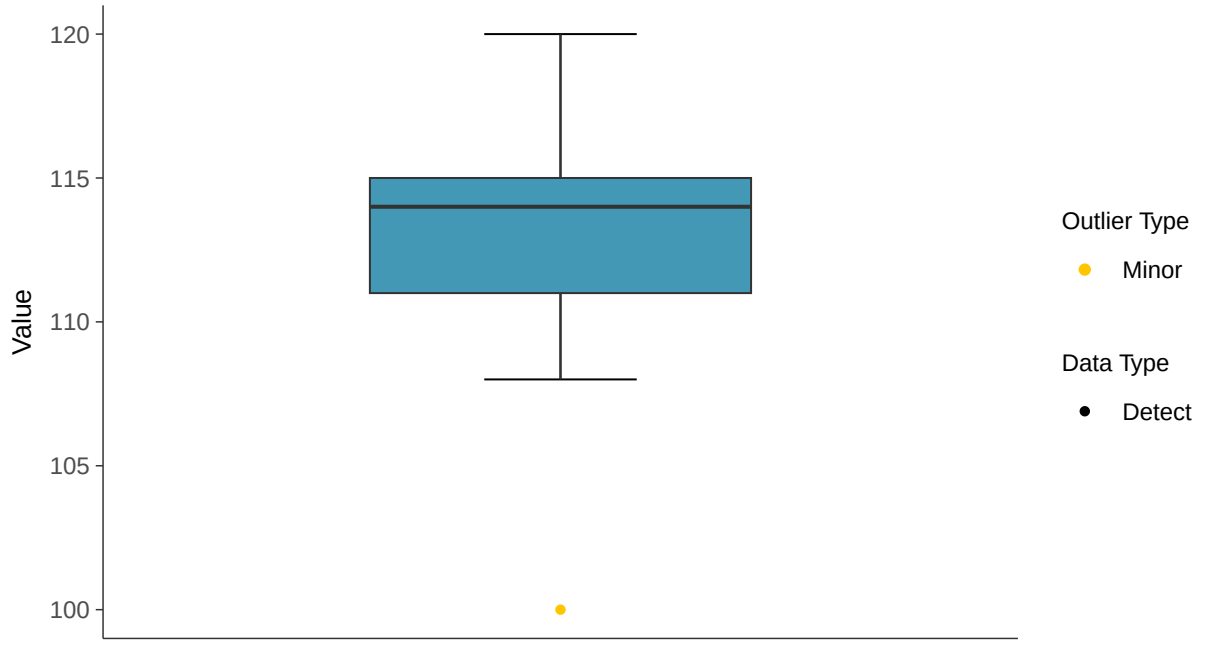
Histogram

Chloride, MW-14 (mg/l)



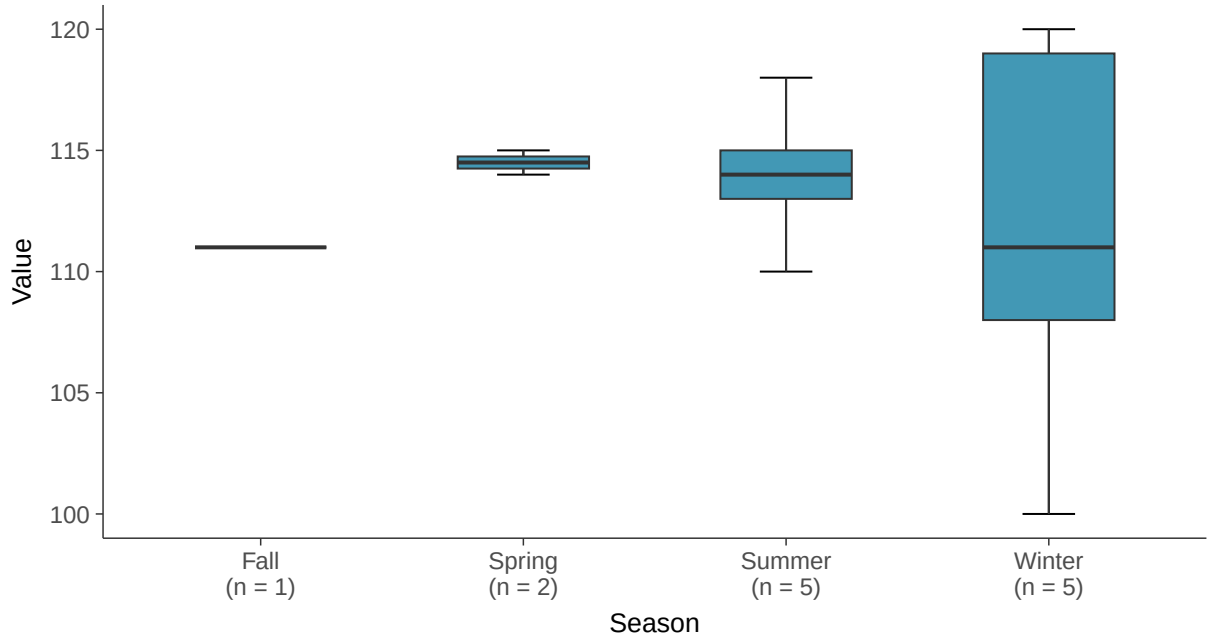
Boxplot

Chloride, MW-14 (mg/l)



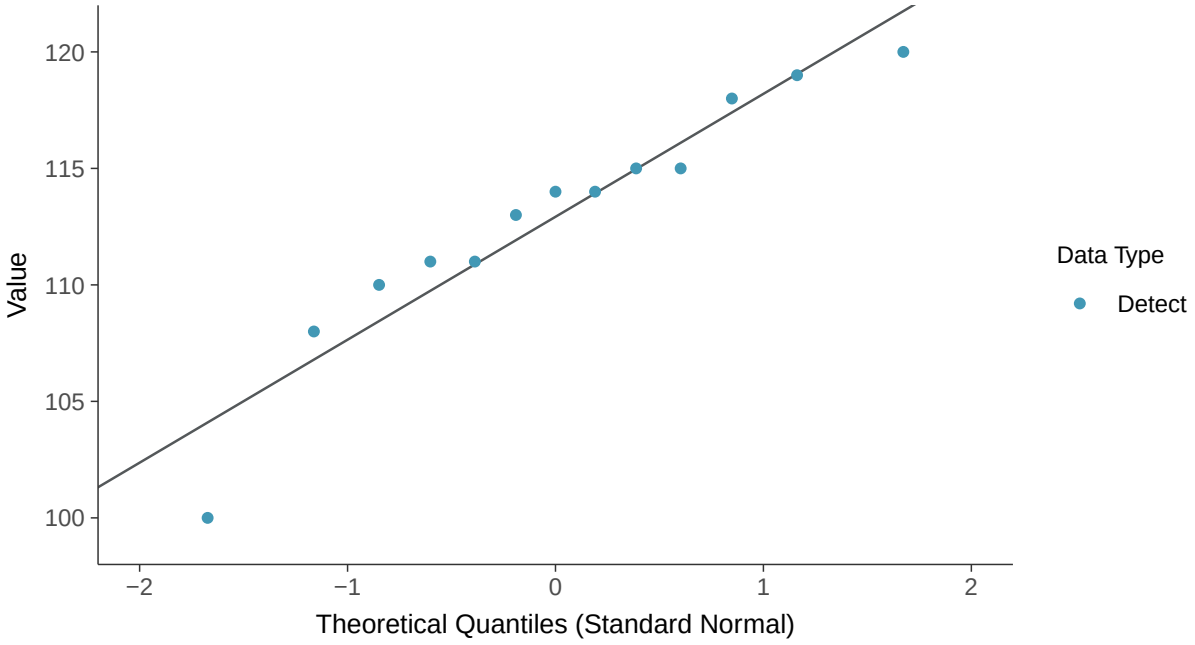
Boxplot by Season

Chloride, MW-14 (mg/l)



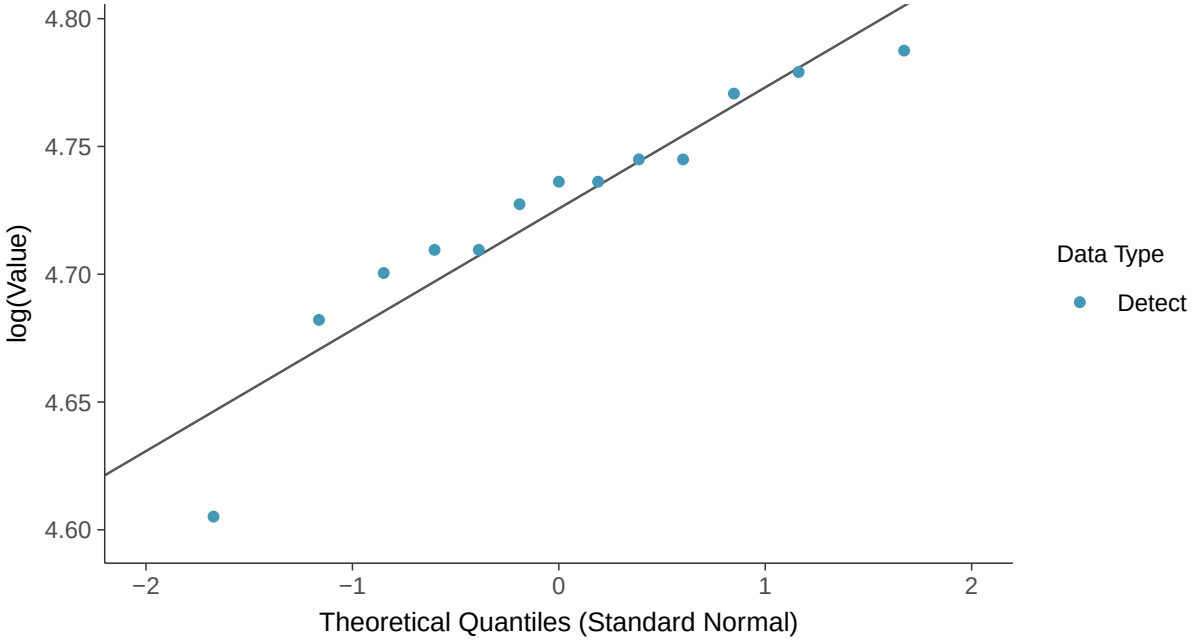
Normal Q-Q plot

Chloride, MW-14 (mg/l)



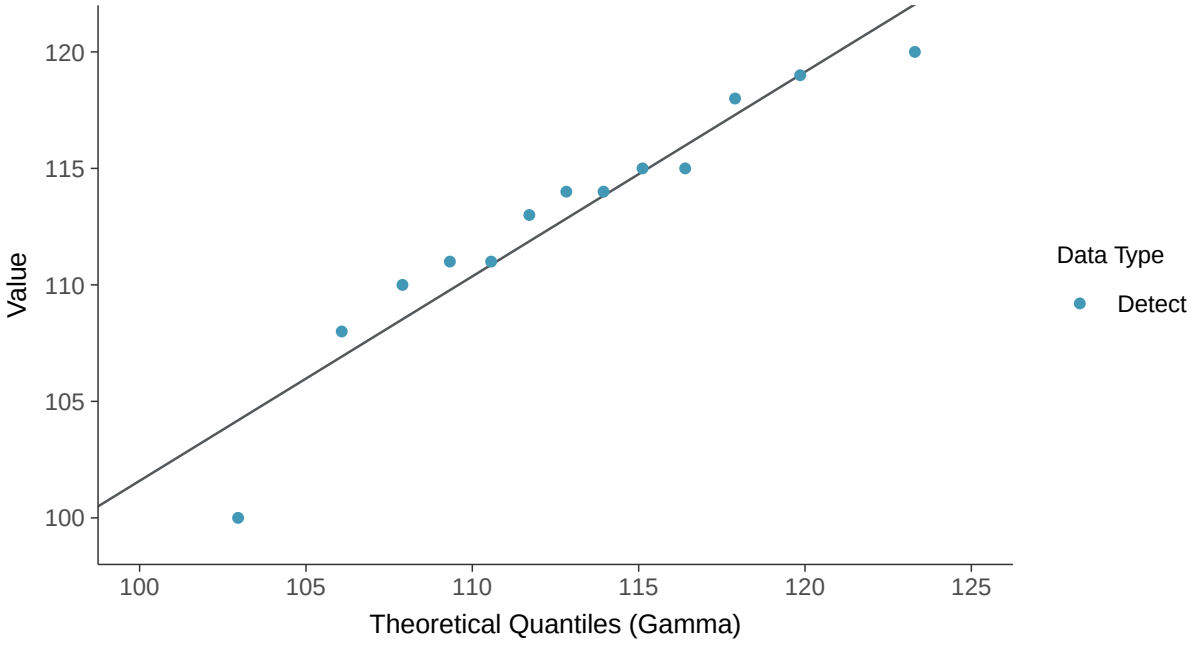
Lognormal Q-Q plot

Chloride, MW-14 (mg/l)



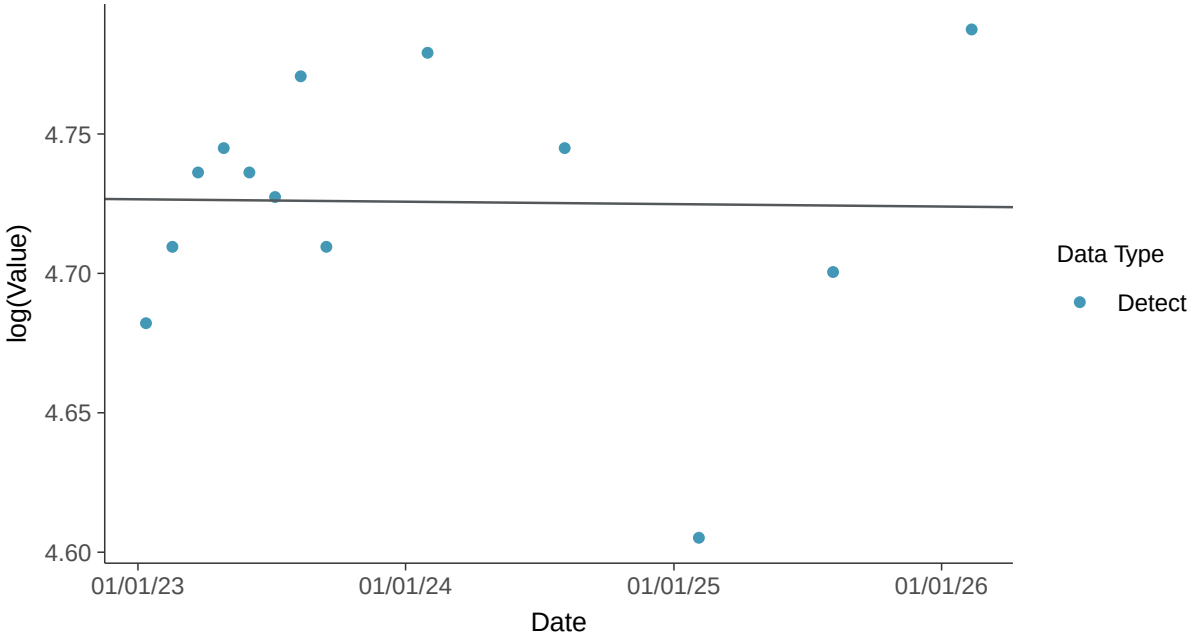
Gamma Q-Q plot

Chloride, MW-14 (mg/l)



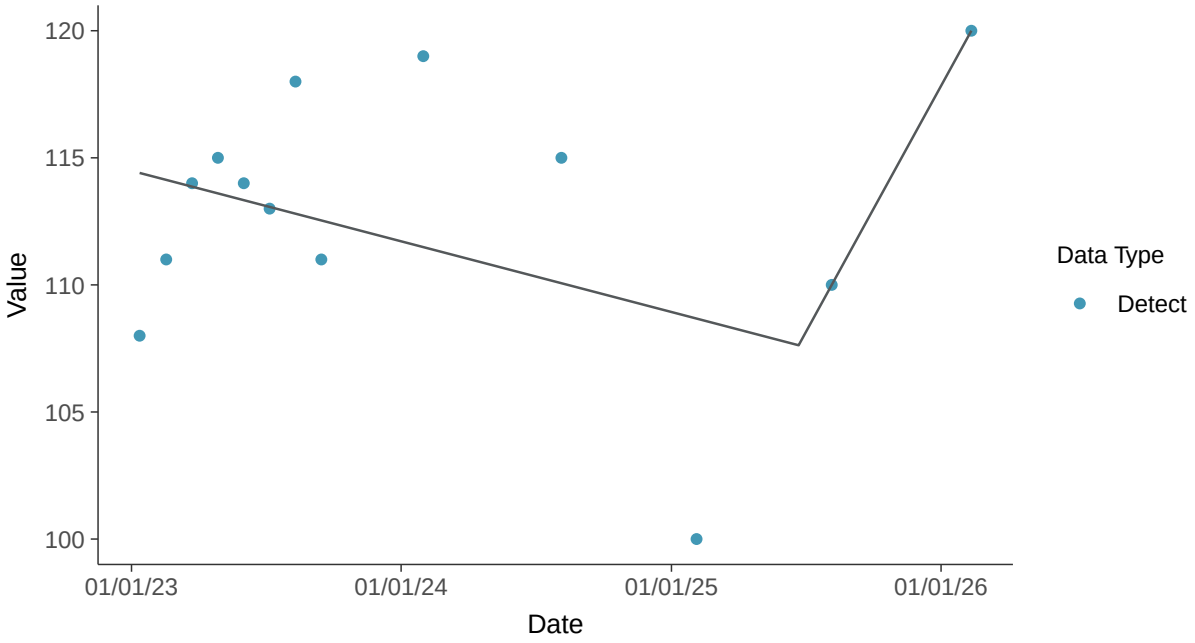
Trend Regression: Lognormal MLE

Chloride, MW-14 (mg/l)



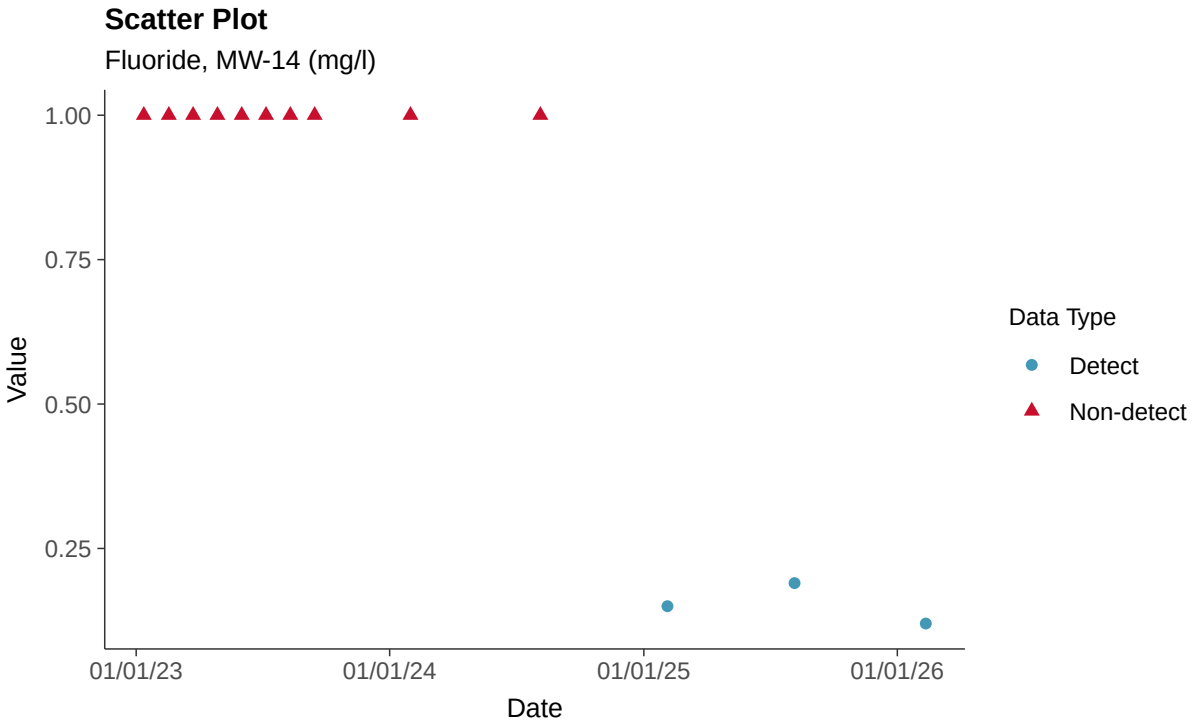
Trend Regression: Piecewise Linear-Linear

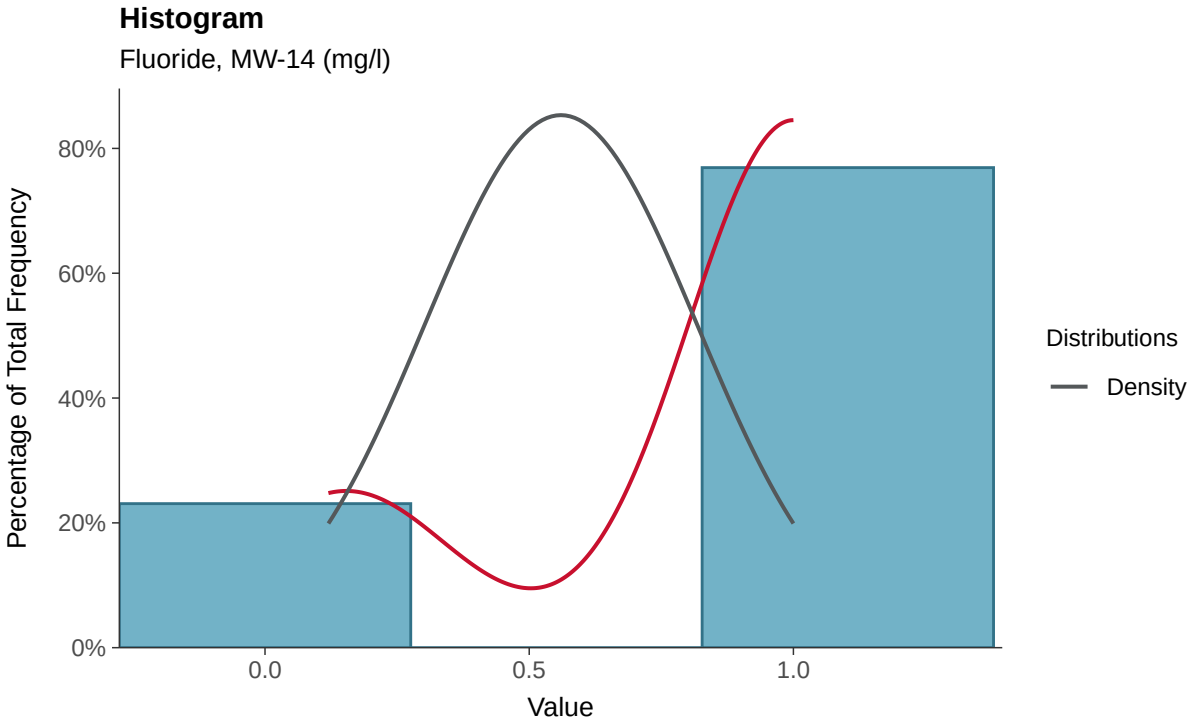
Chloride, MW-14 (mg/l)



Appendix III: Fluoride, MW-14

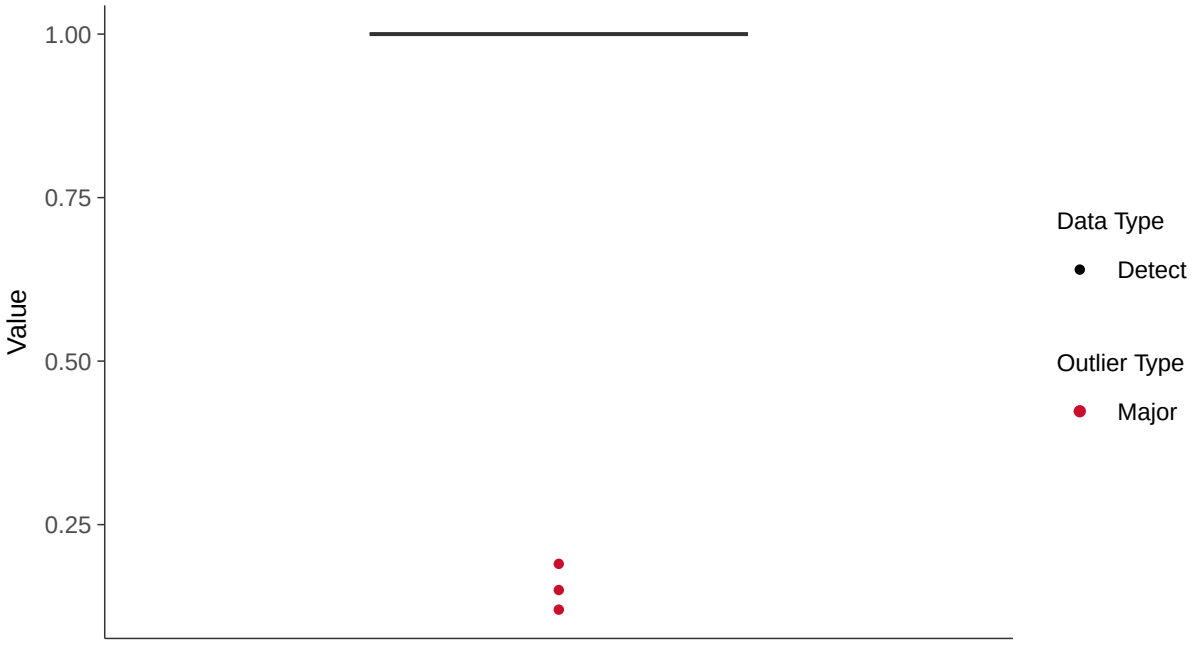
ID: 21_2_112





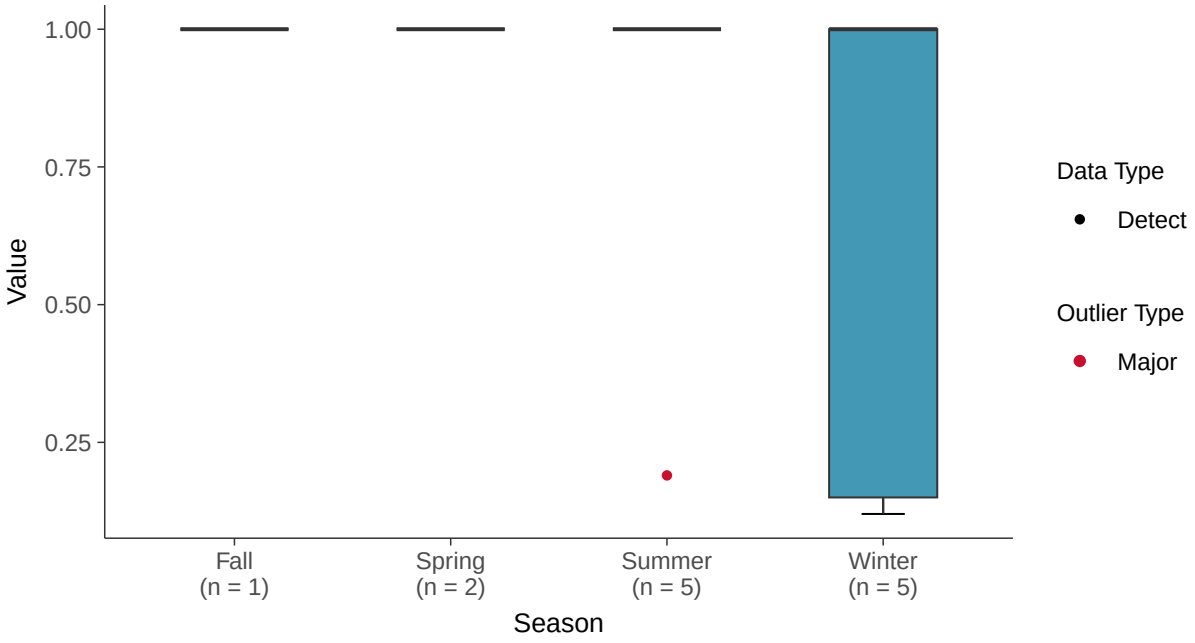
Boxplot

Fluoride, MW-14 (mg/l)



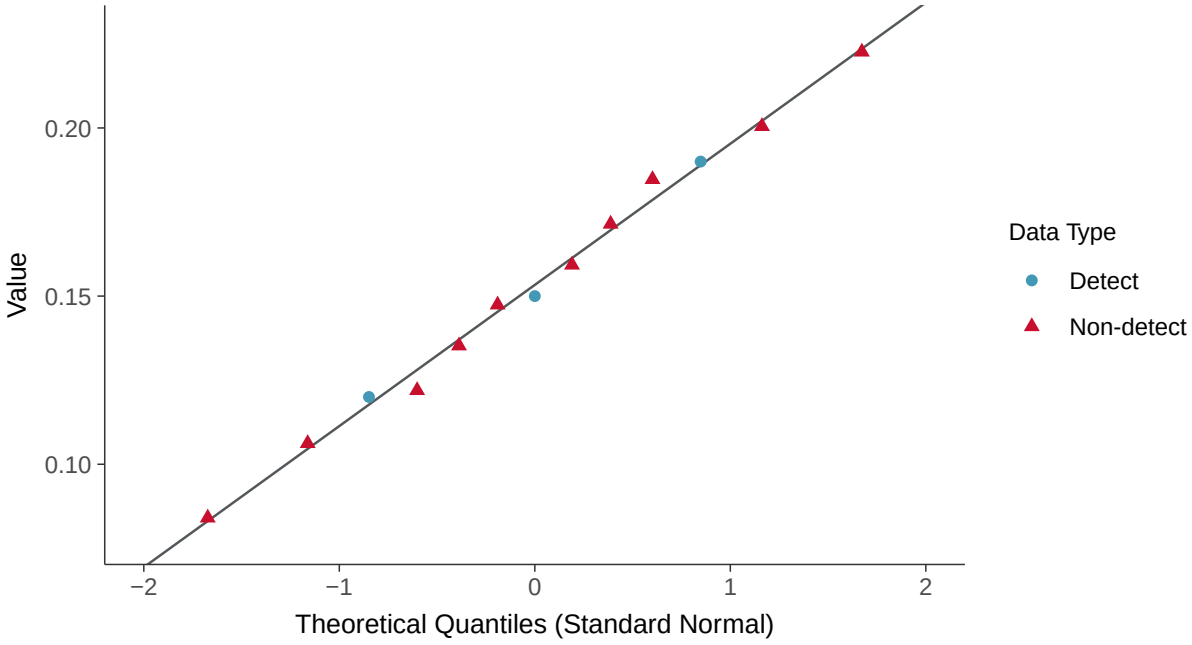
Boxplot by Season

Fluoride, MW-14 (mg/l)



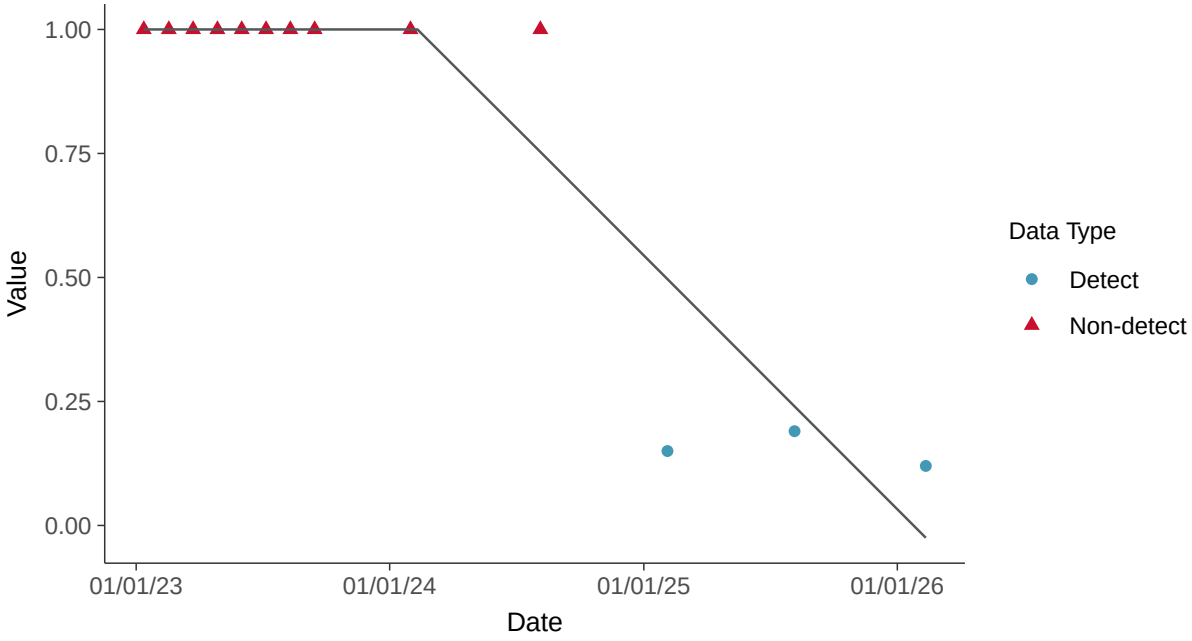
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-14 (mg/l)



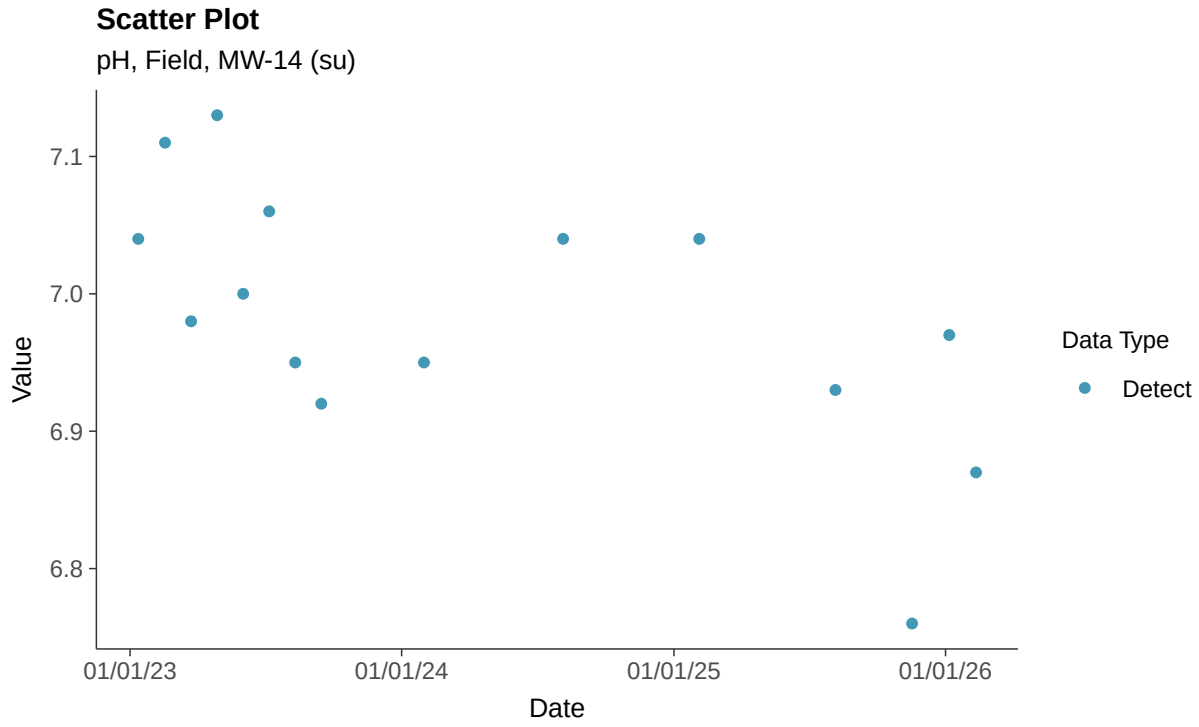
Trend Regression: Piecewise Linear-Linear

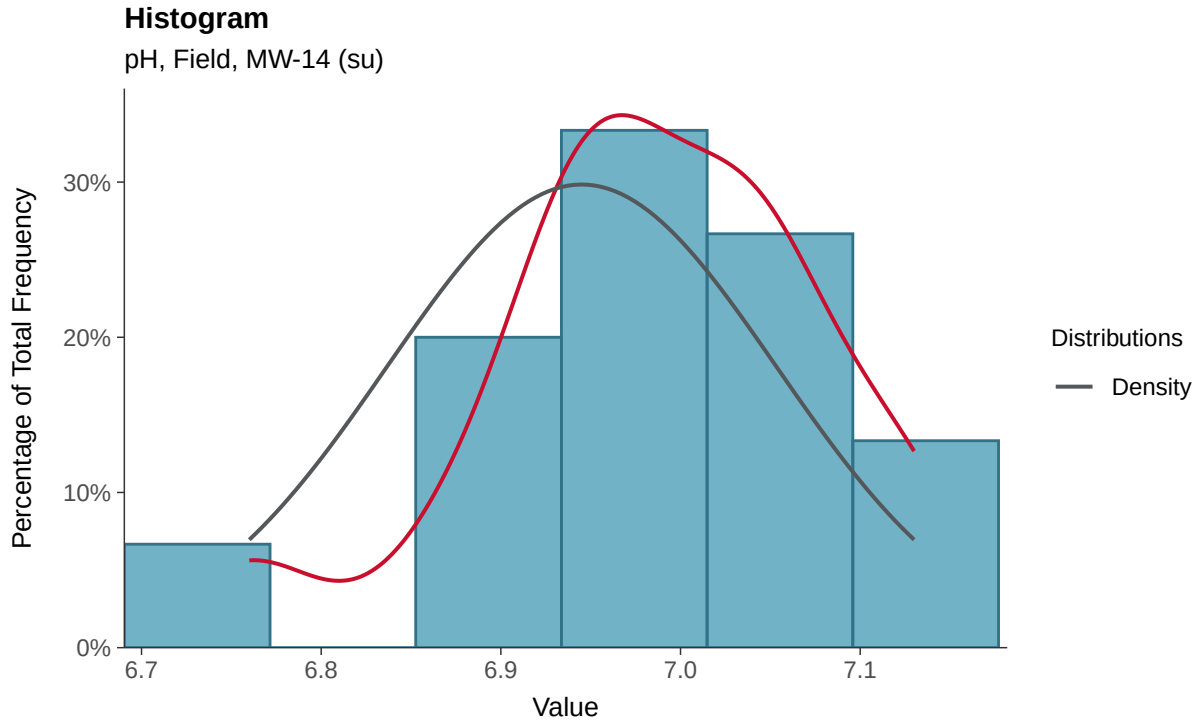
Fluoride, MW-14 (mg/l)



Appendix III: pH, Field, MW-14

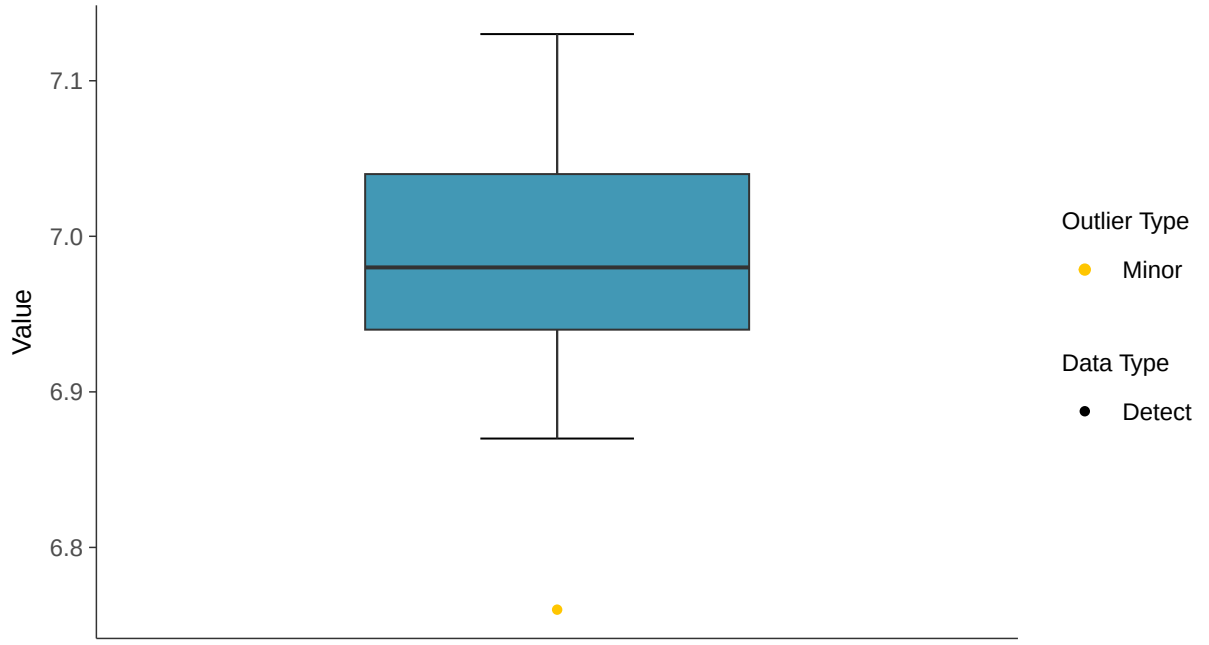
ID: 21_2_120





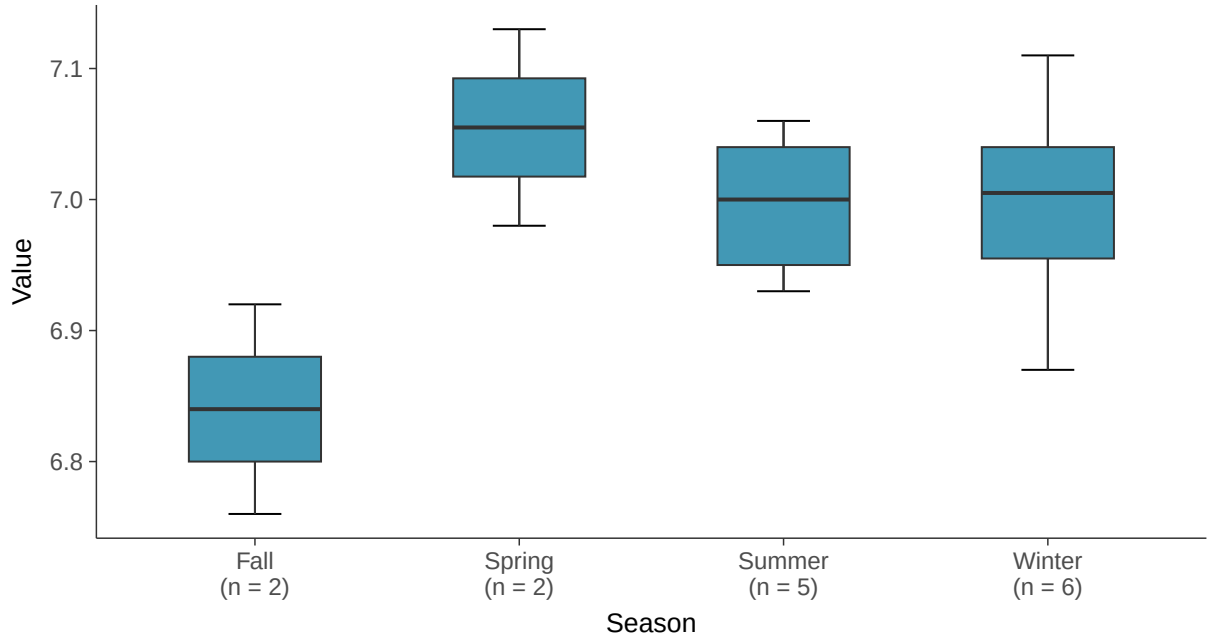
Boxplot

pH, Field, MW-14 (su)



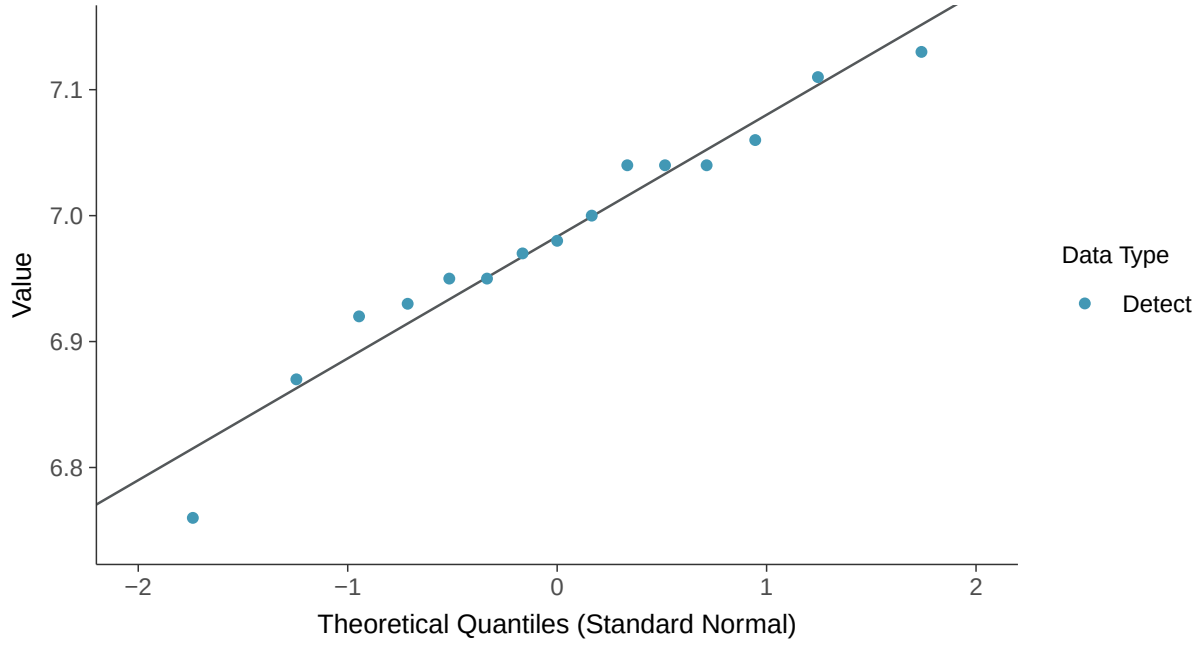
Boxplot by Season

pH, Field, MW-14 (su)



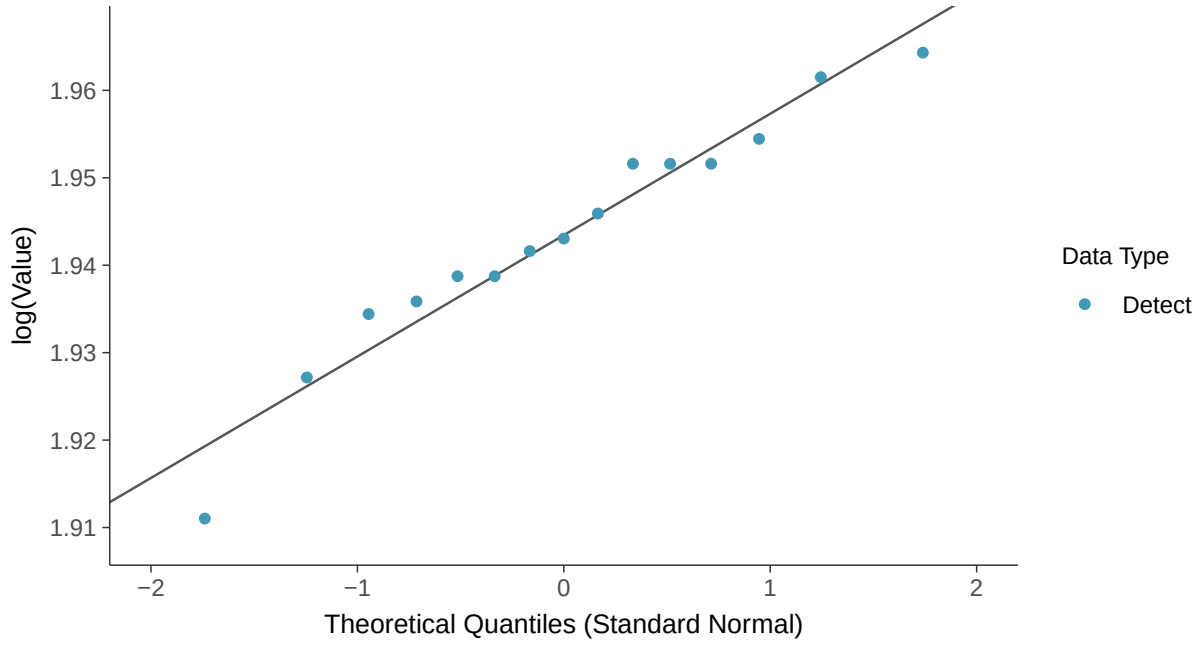
Normal Q-Q plot

pH, Field, MW-14 (su)



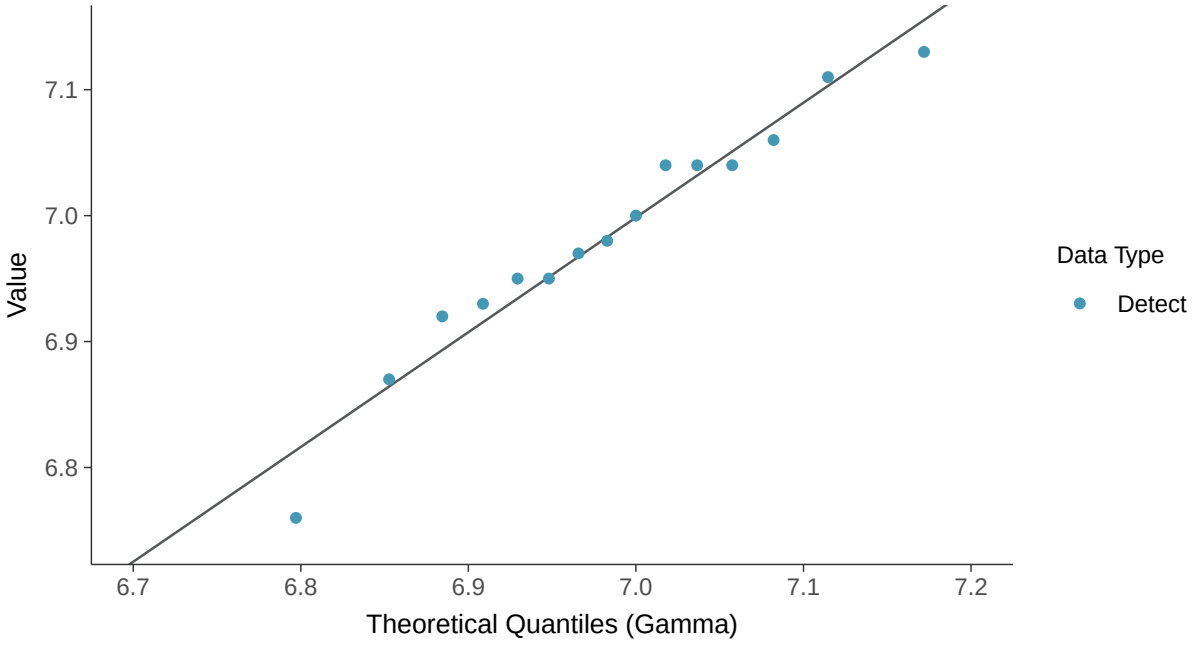
Lognormal Q-Q plot

pH, Field, MW-14 (su)



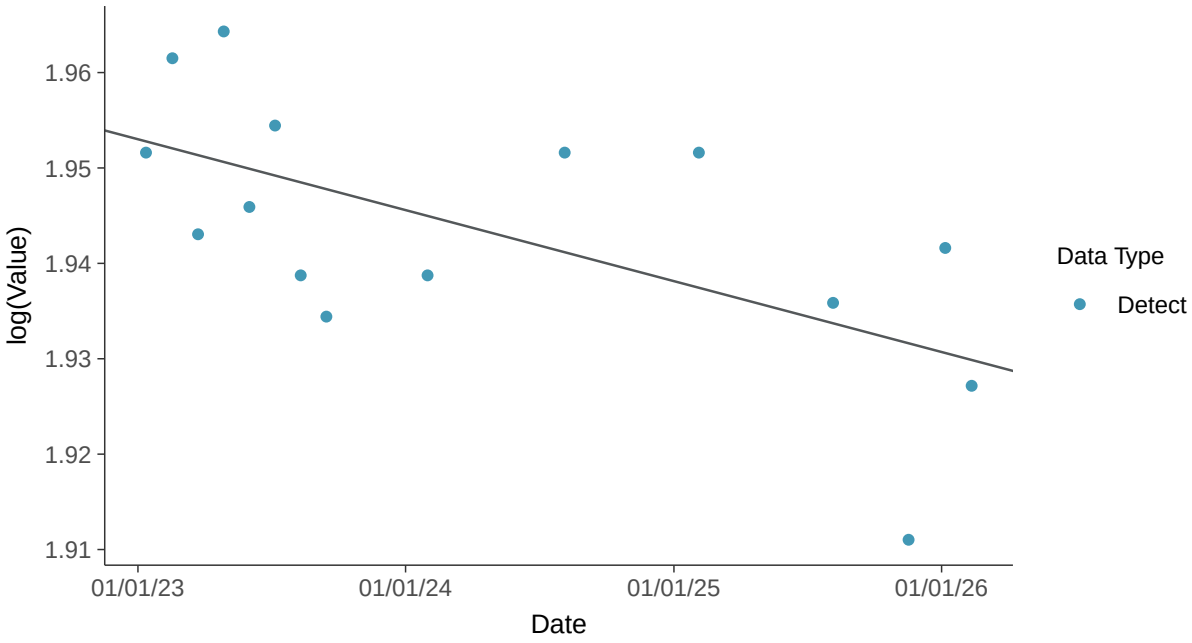
Gamma Q-Q plot

pH, Field, MW-14 (su)



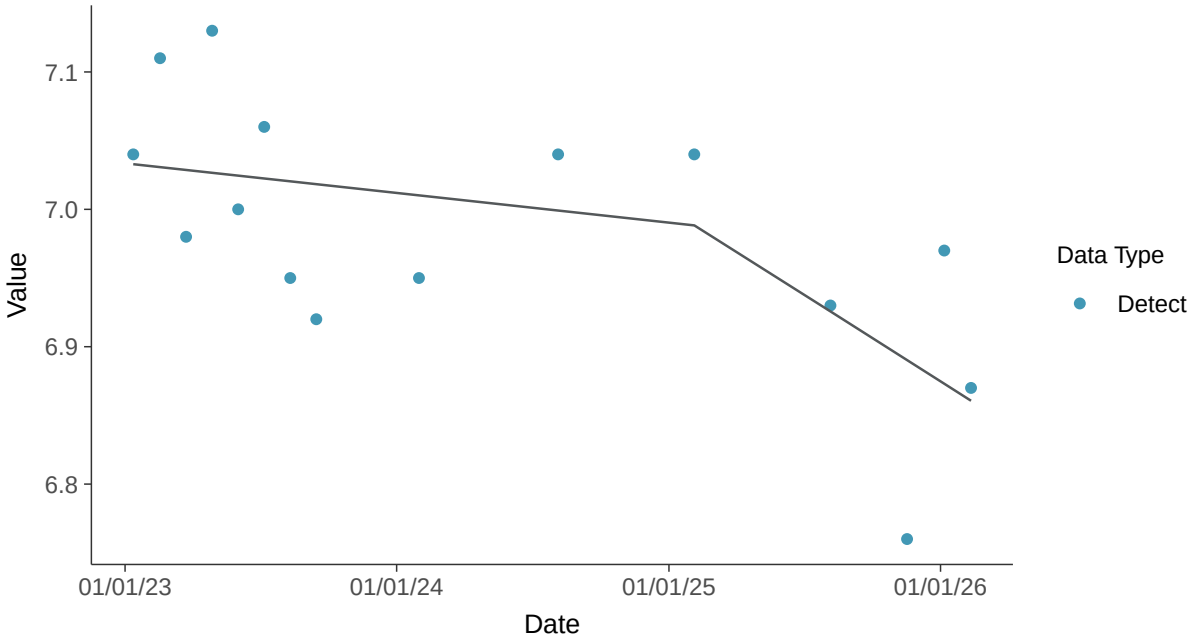
Trend Regression: Lognormal MLE

pH, Field, MW-14 (su)



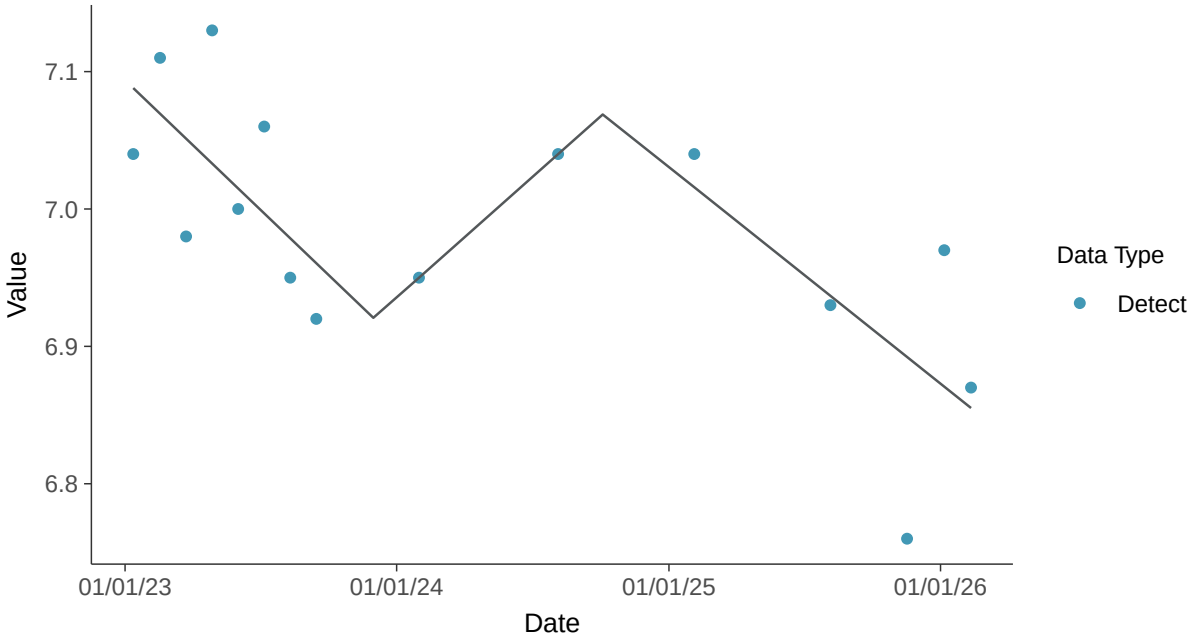
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-14 (su)



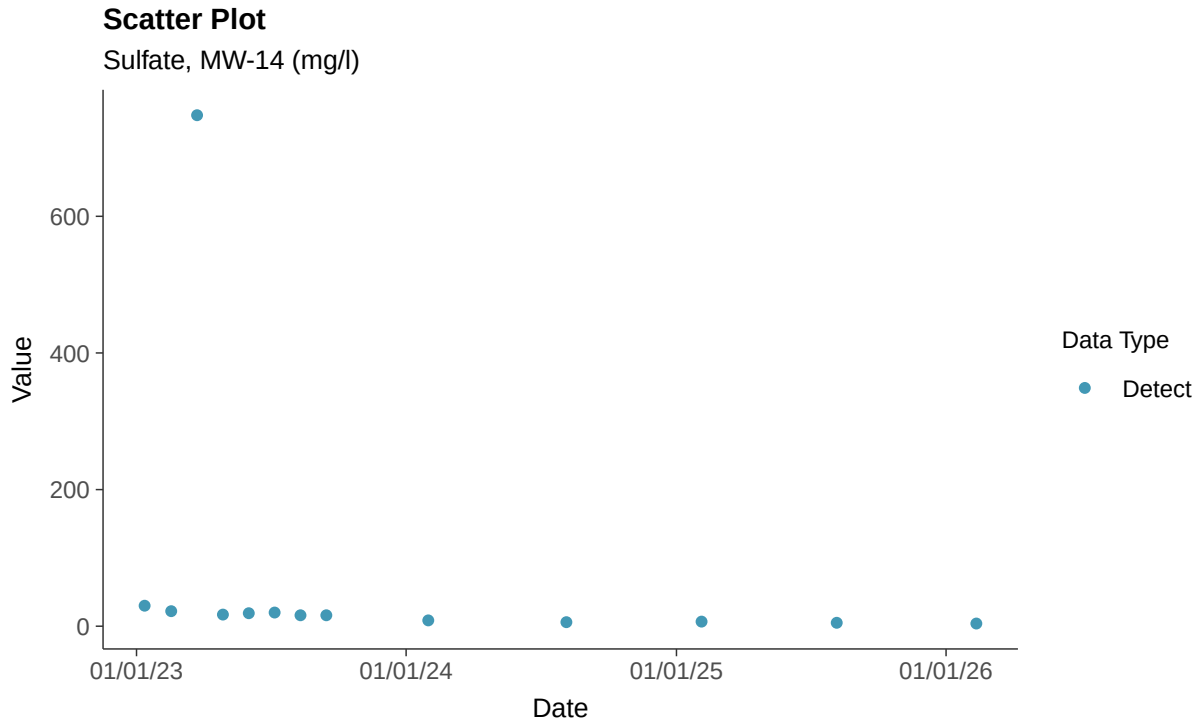
Trend Regression: Piecewise Linear-Linear-Linear

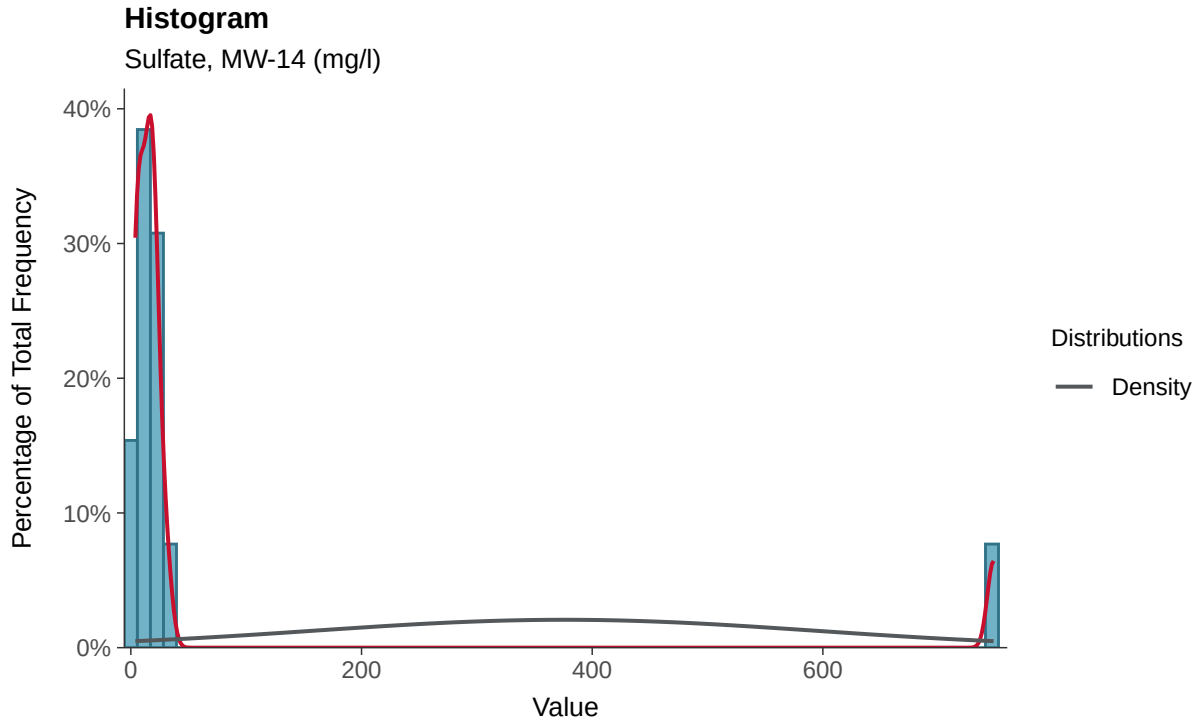
pH, Field, MW-14 (su)



Appendix III: Sulfate, MW-14

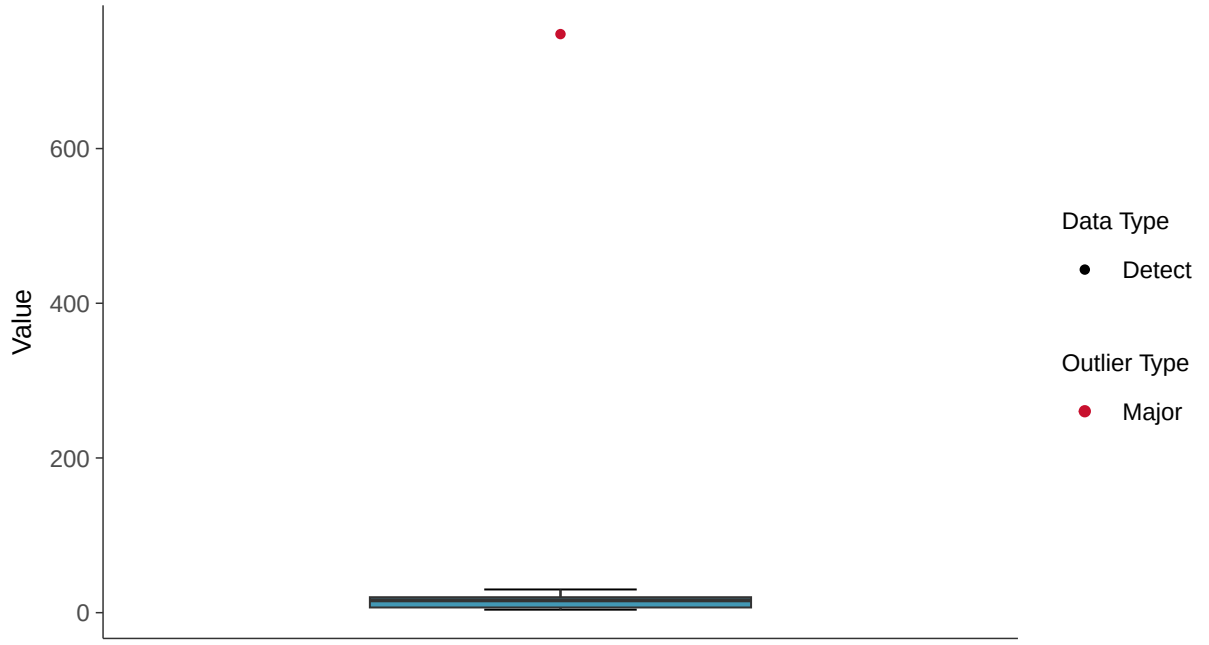
ID: 21_2_124





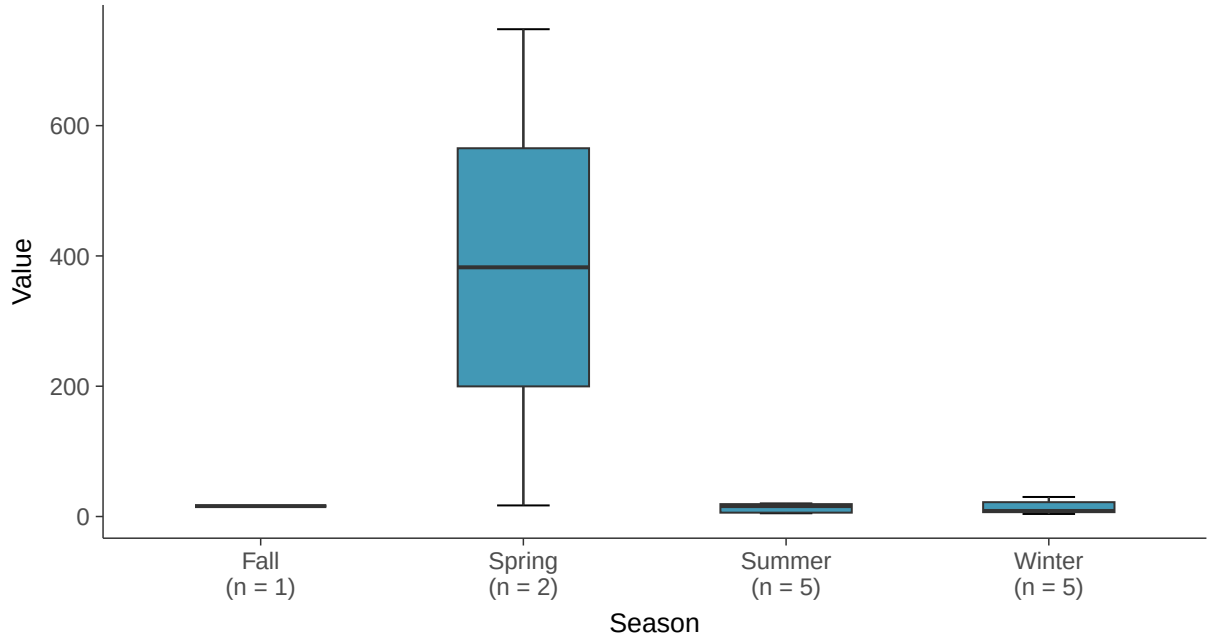
Boxplot

Sulfate, MW-14 (mg/l)



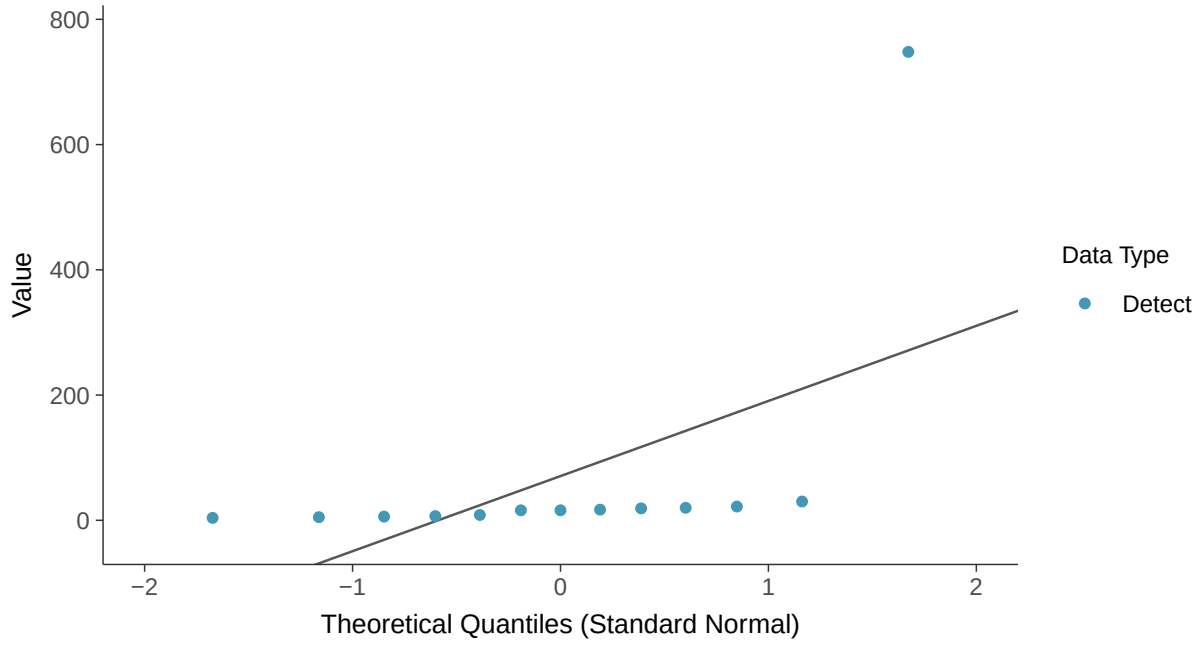
Boxplot by Season

Sulfate, MW-14 (mg/l)



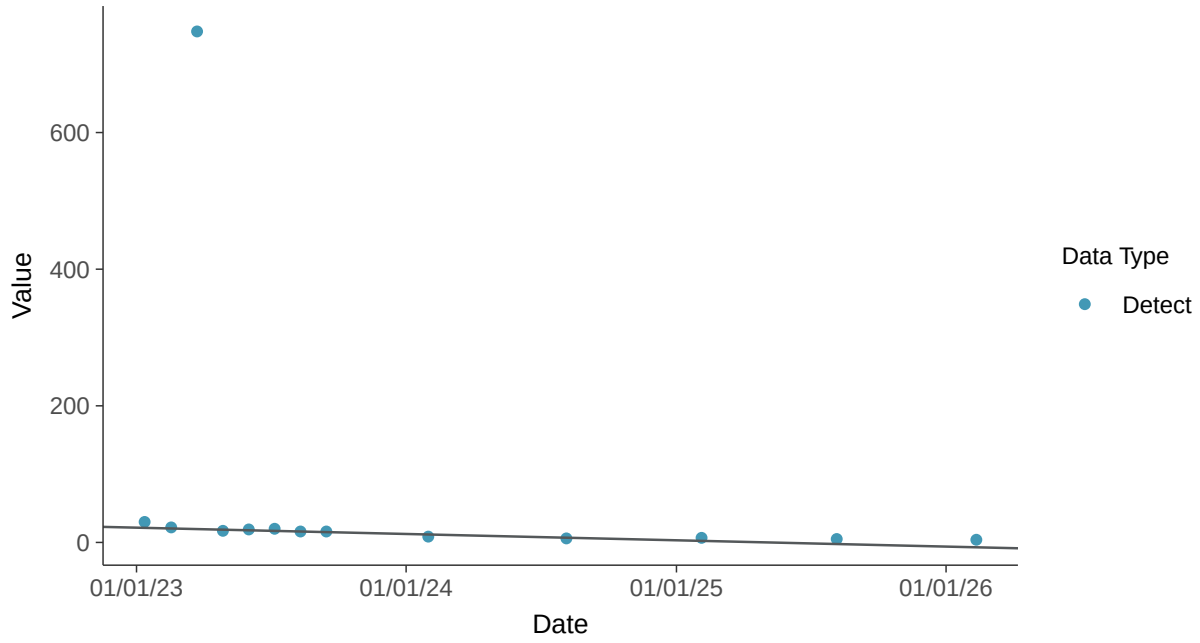
Normal Q-Q plot

Sulfate, MW-14 (mg/l)



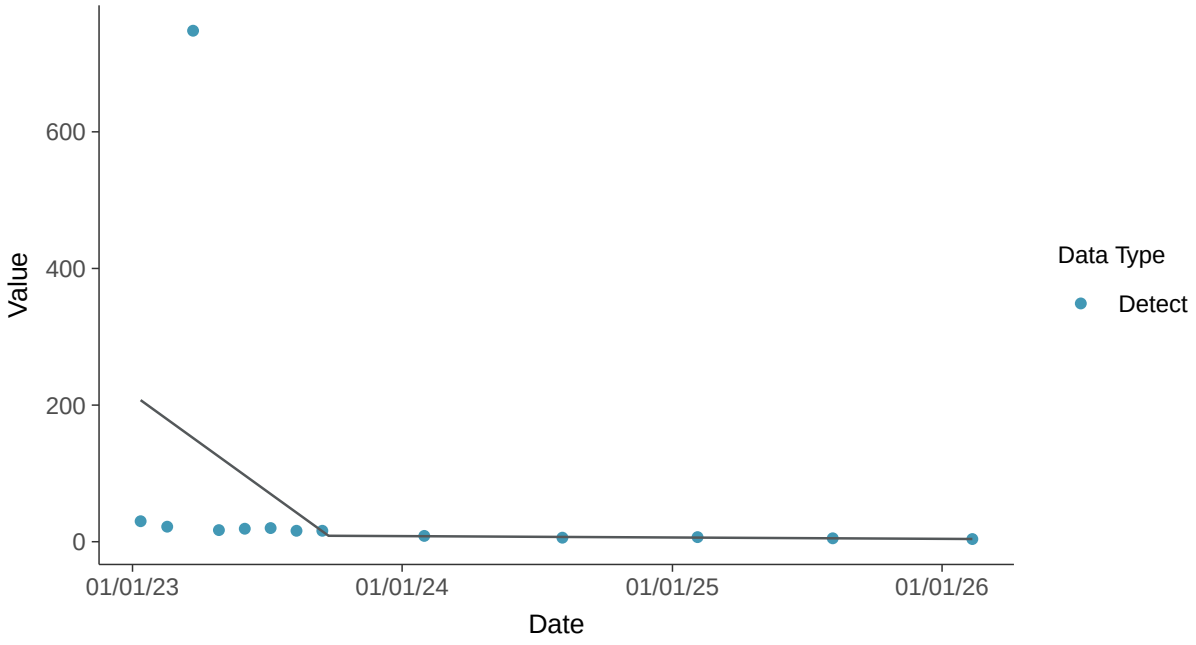
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Sulfate, MW-14 (mg/l)



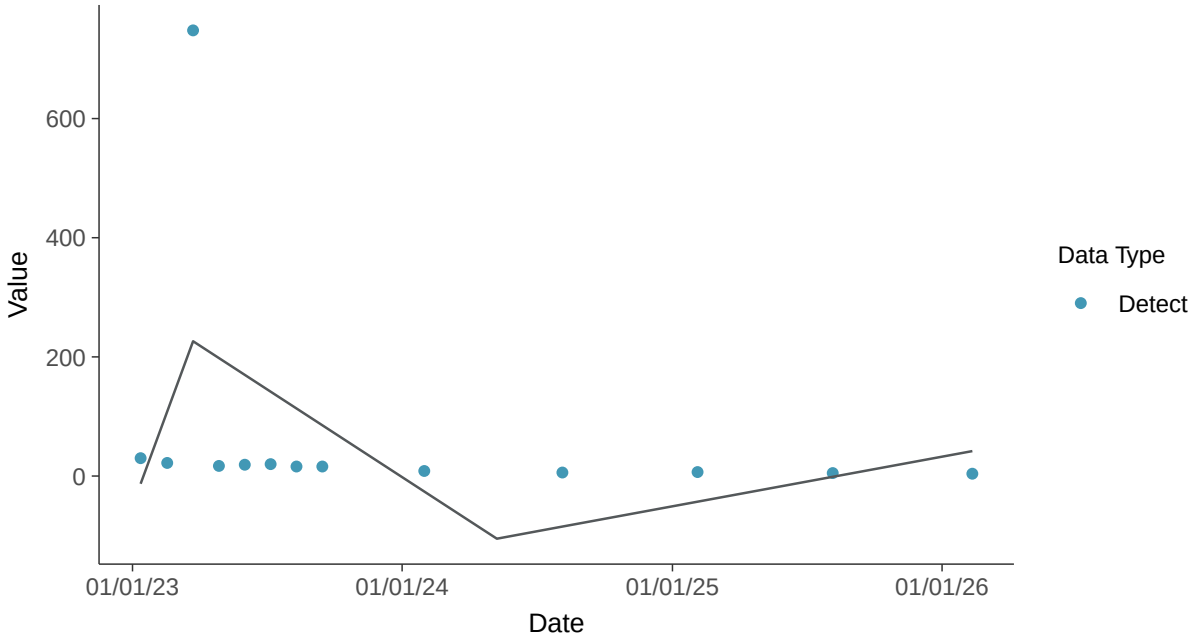
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-14 (mg/l)



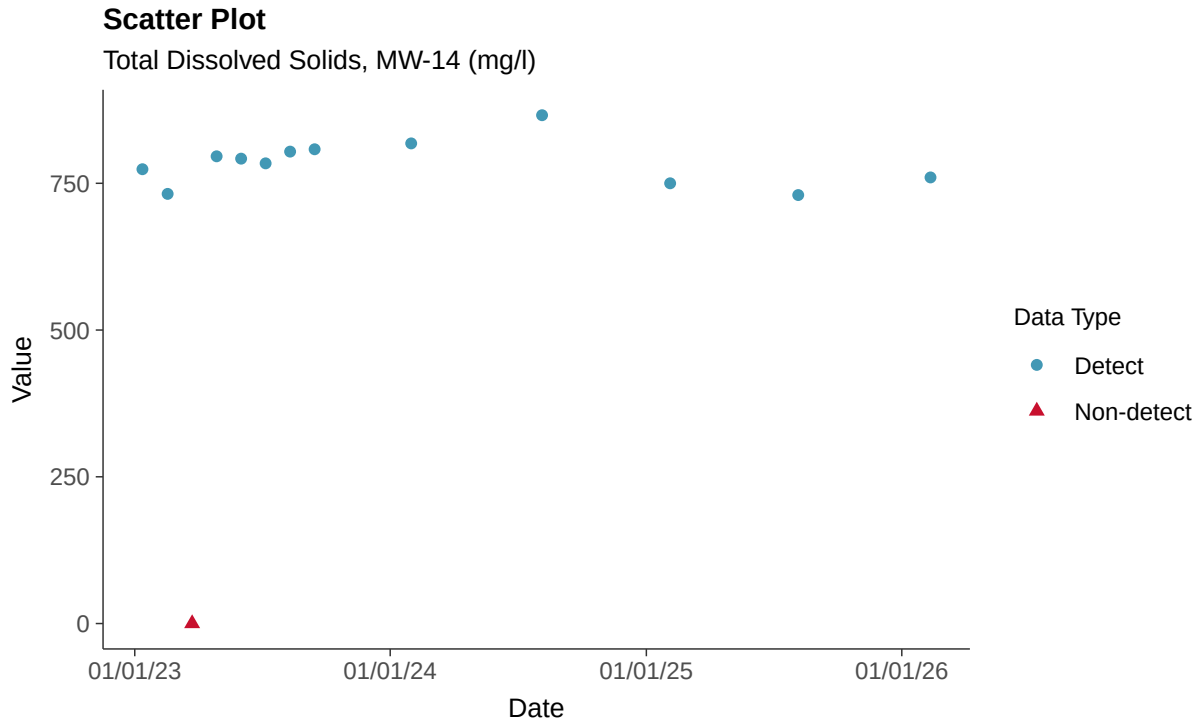
Trend Regression: Piecewise Linear-Linear-Linear

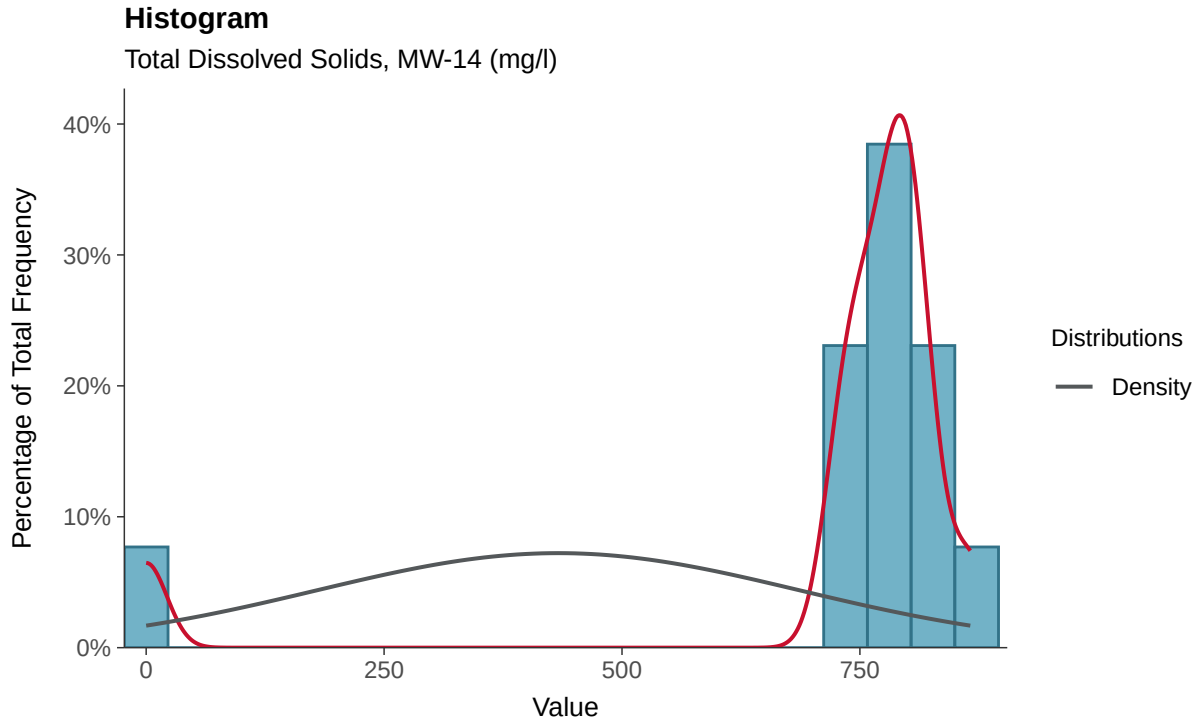
Sulfate, MW-14 (mg/l)



Appendix III: Total Dissolved Solids, MW-14

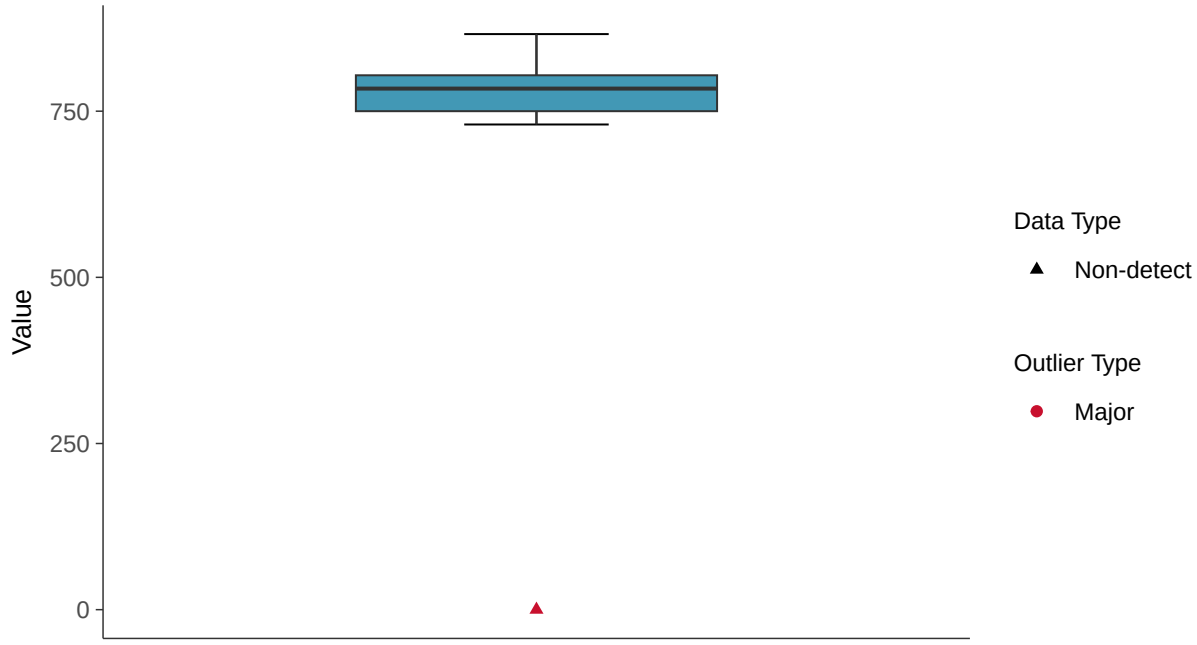
ID: 21_2_126





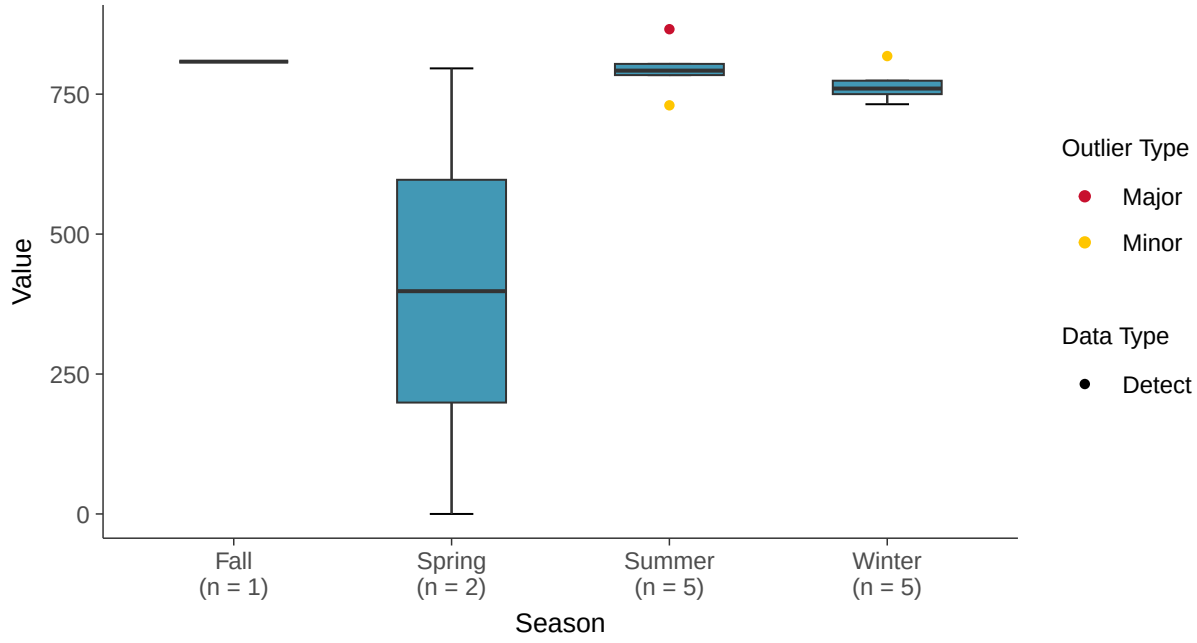
Boxplot

Total Dissolved Solids, MW-14 (mg/l)



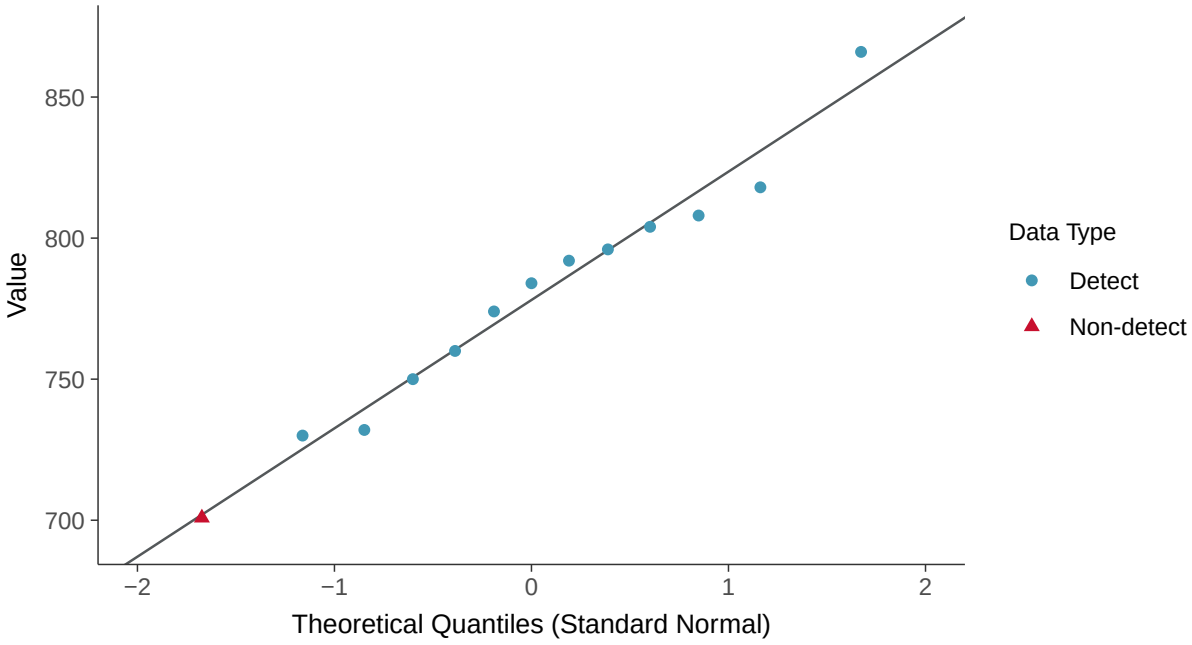
Boxplot by Season

Total Dissolved Solids, MW-14 (mg/l)



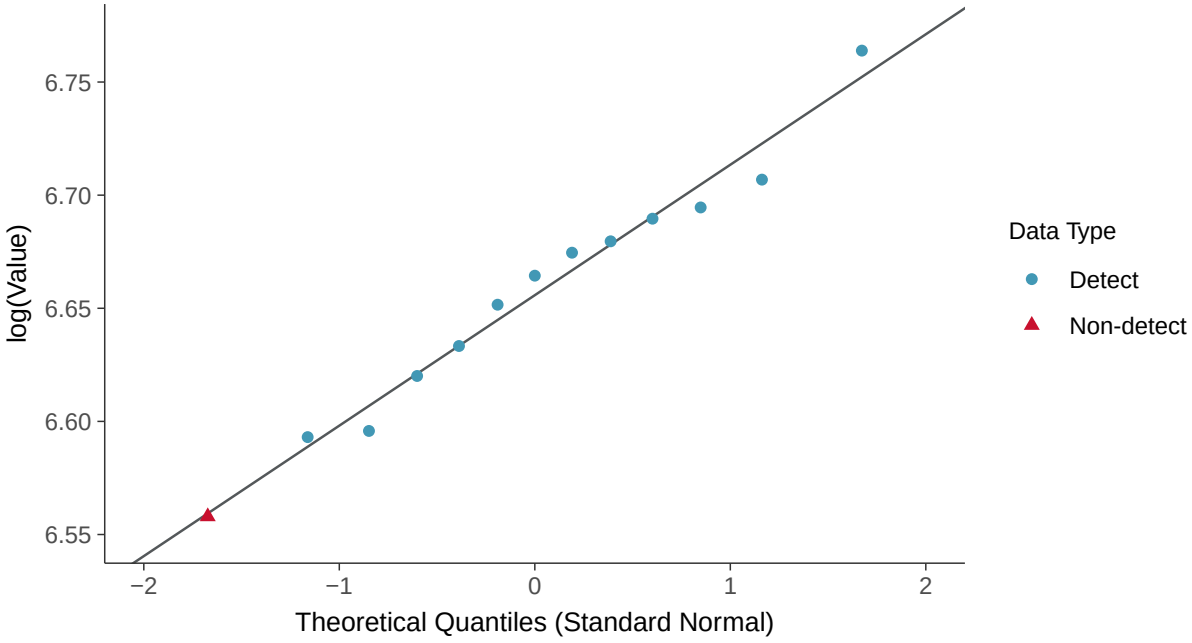
Normal Q-Q plot using ROS Imputed Estimates

Total Dissolved Solids, MW-14 (mg/l)



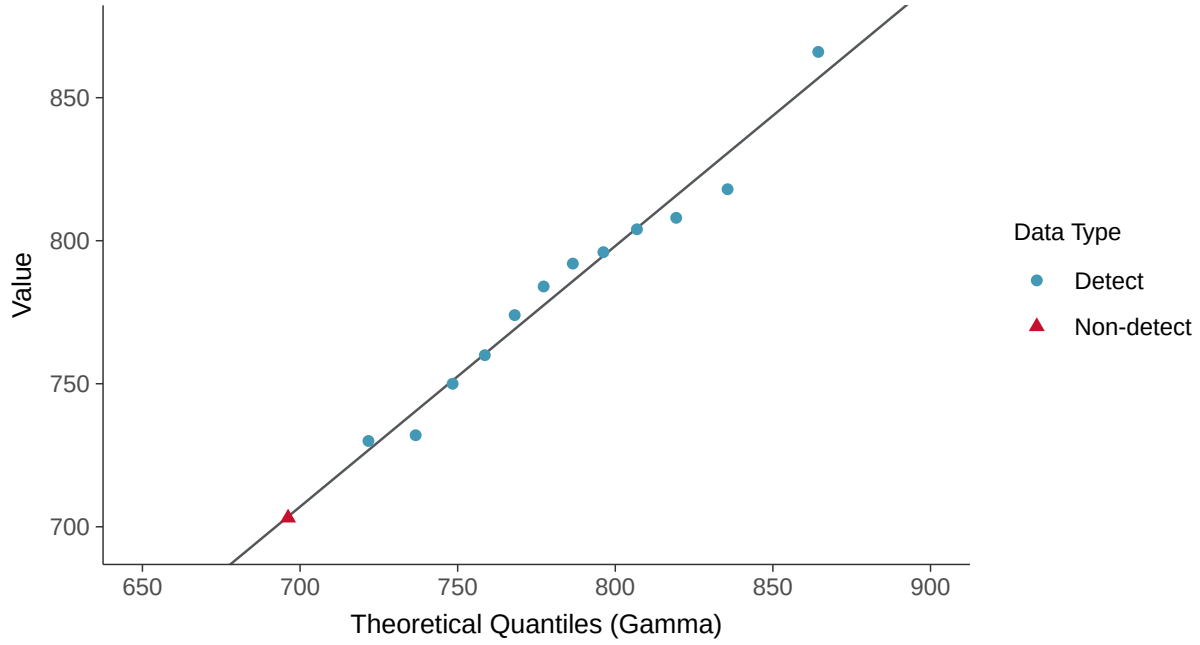
Lognormal Q-Q plot using ROS Imputed Estimates

Total Dissolved Solids, MW-14 (mg/l)



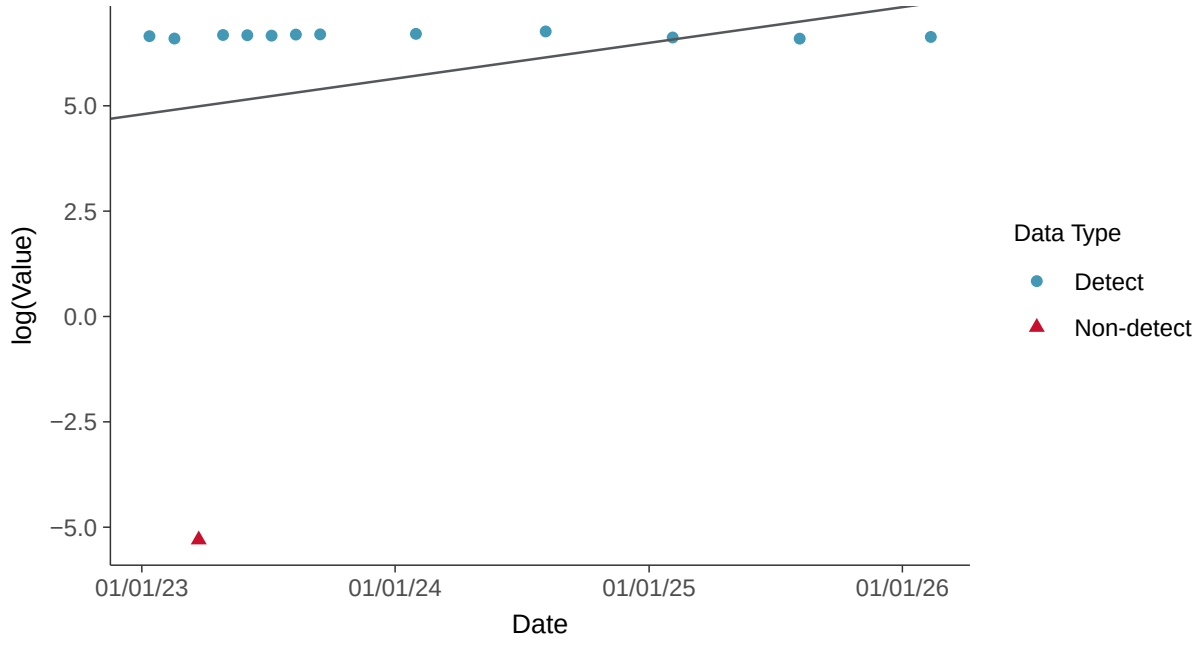
Gamma Q-Q plot using ROS Imputed Estimates

Total Dissolved Solids, MW-14 (mg/l)



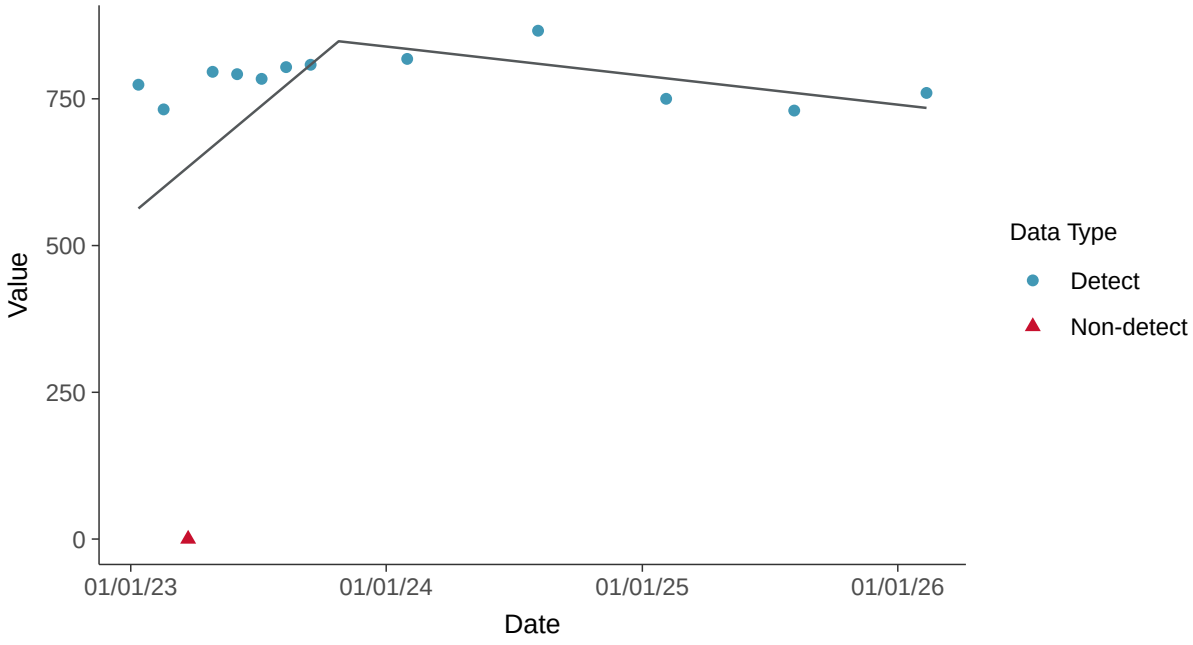
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-14 (mg/l)



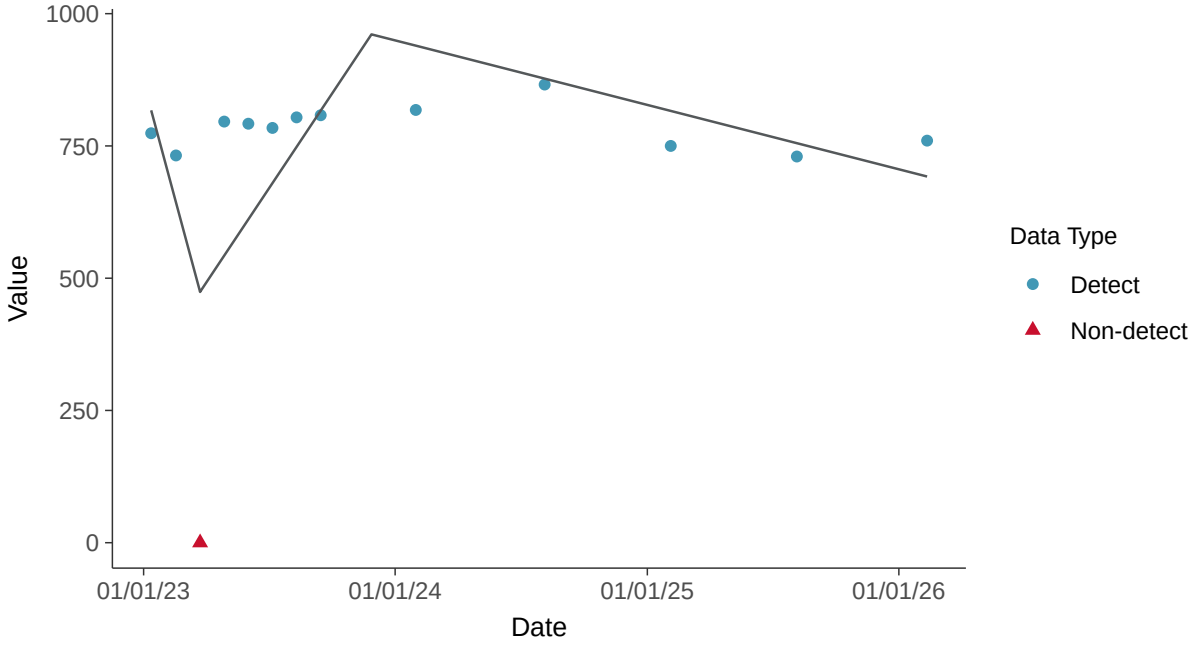
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-14 (mg/l)



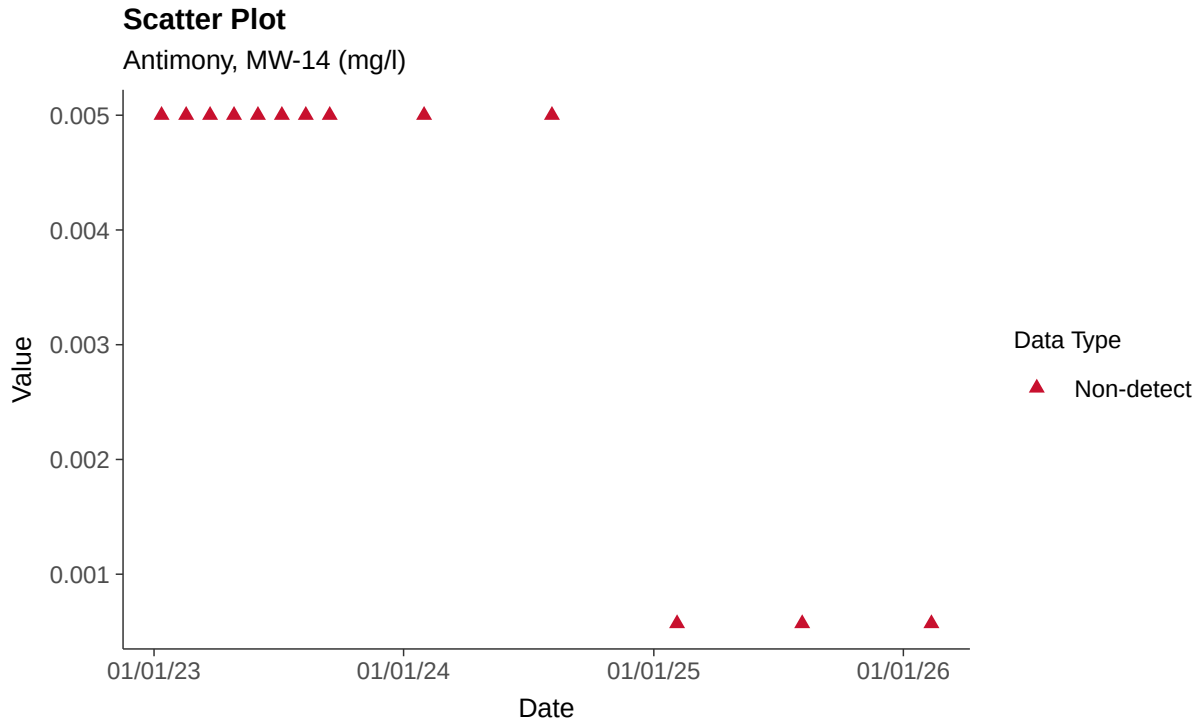
Trend Regression: Piecewise Linear-Linear-Linear

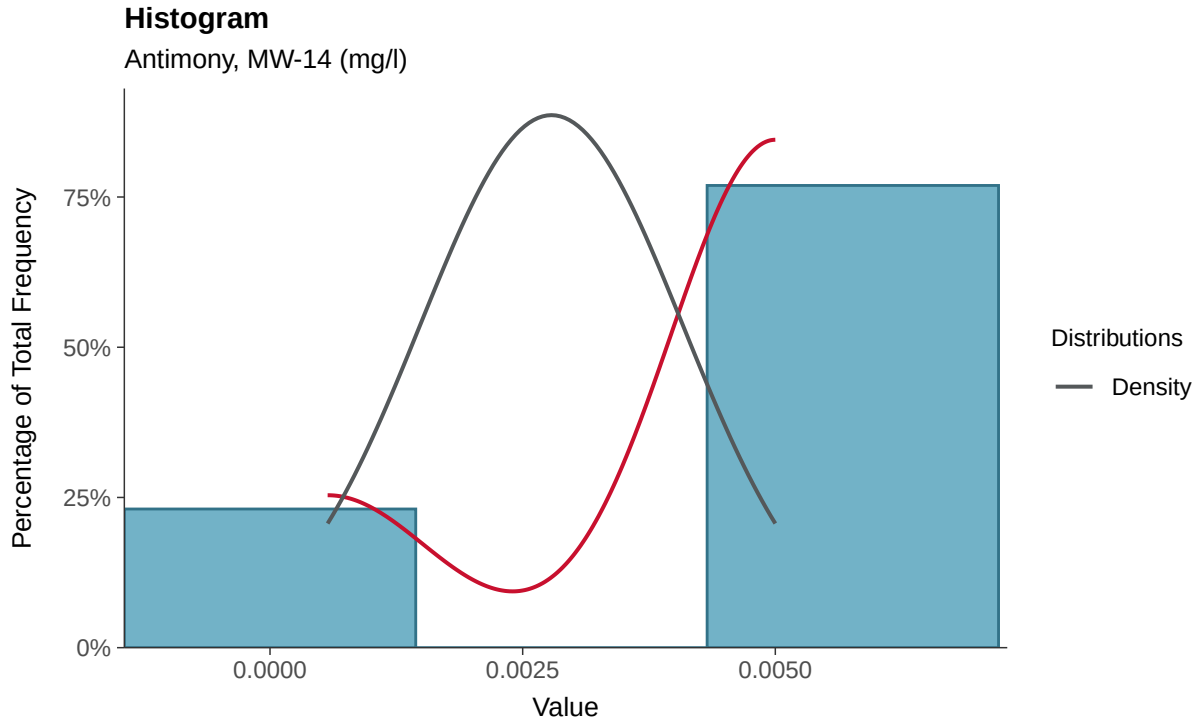
Total Dissolved Solids, MW-14 (mg/l)



Appendix IV: Antimony, MW-14

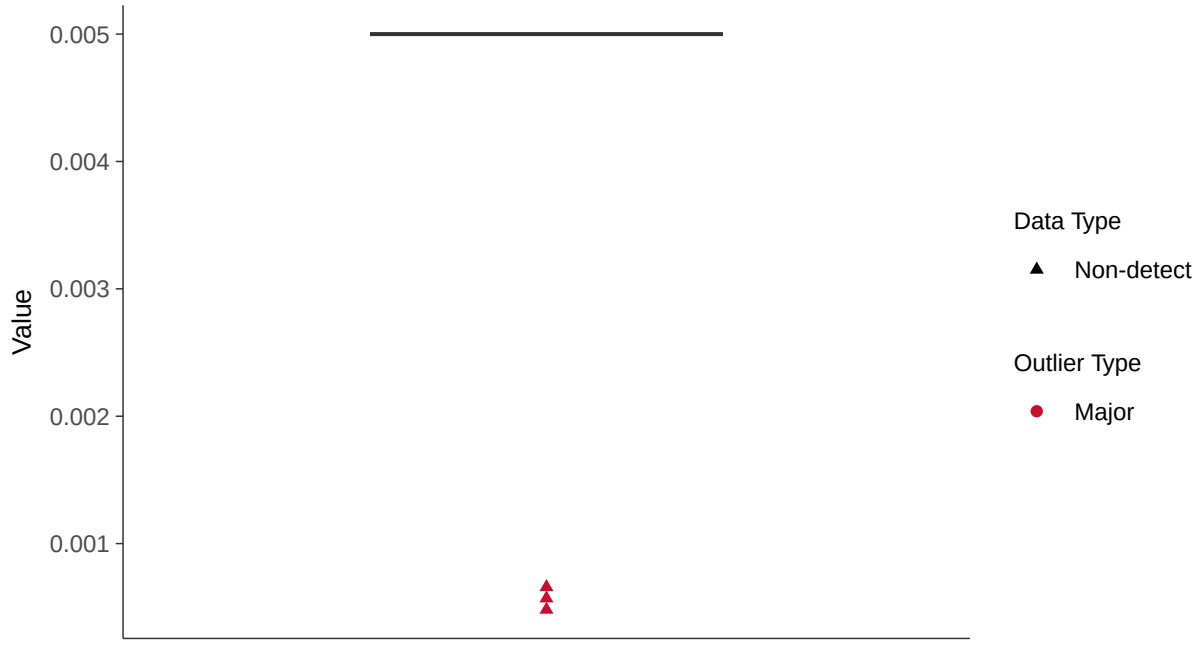
ID: 21_3_101





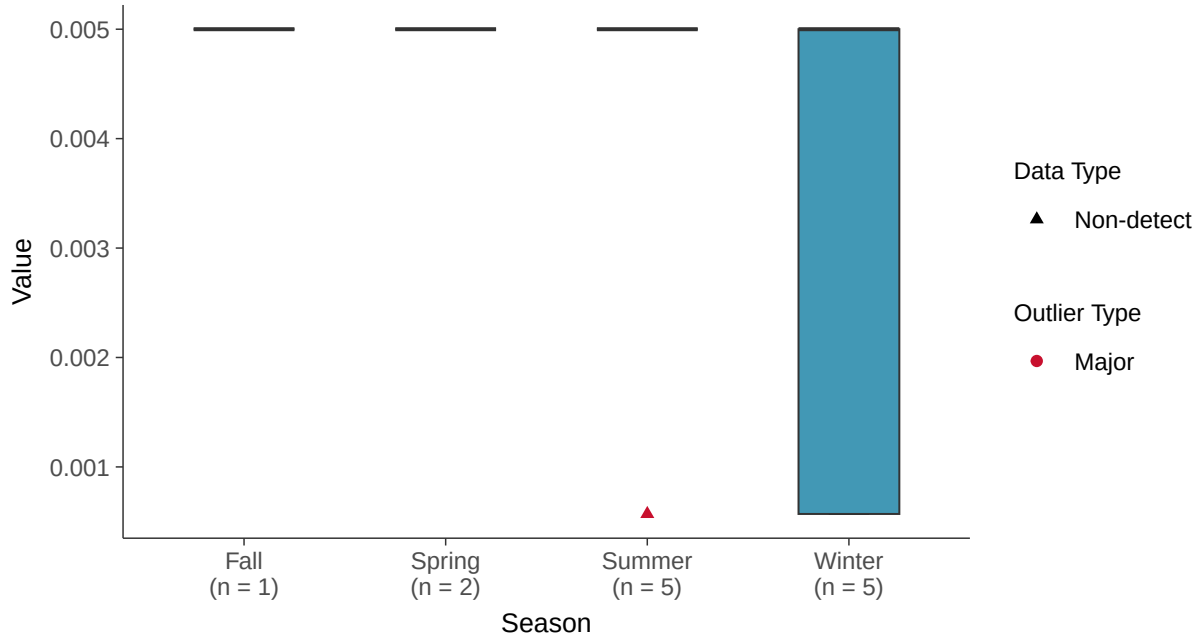
Boxplot

Antimony, MW-14 (mg/l)



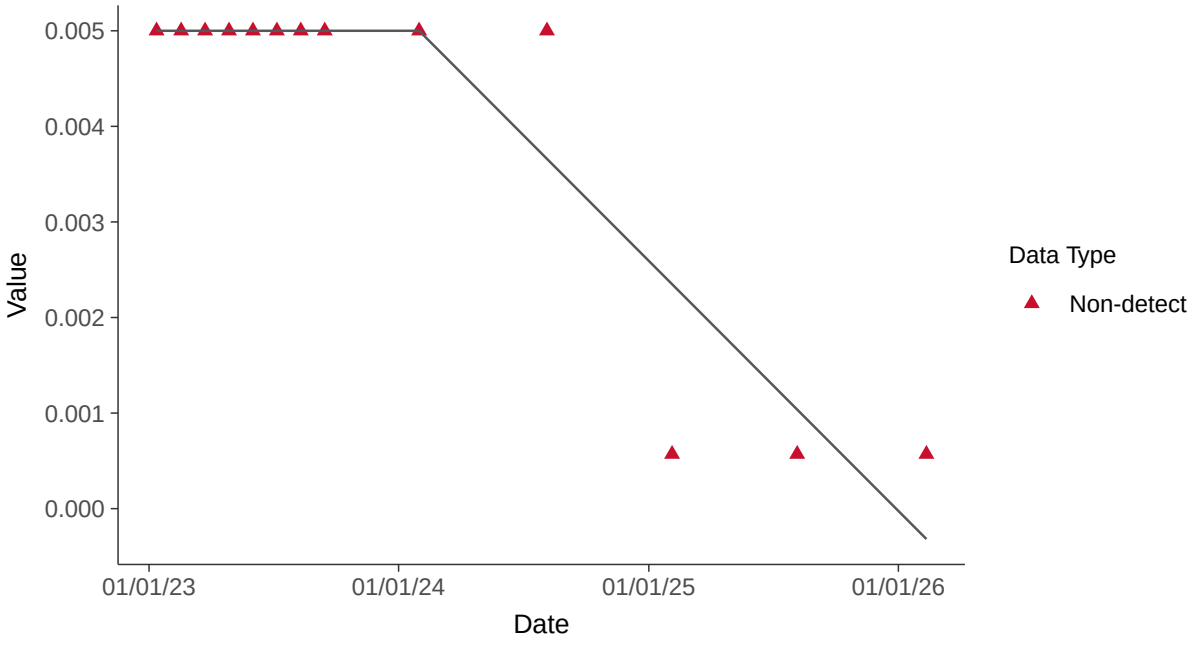
Boxplot by Season

Antimony, MW-14 (mg/l)



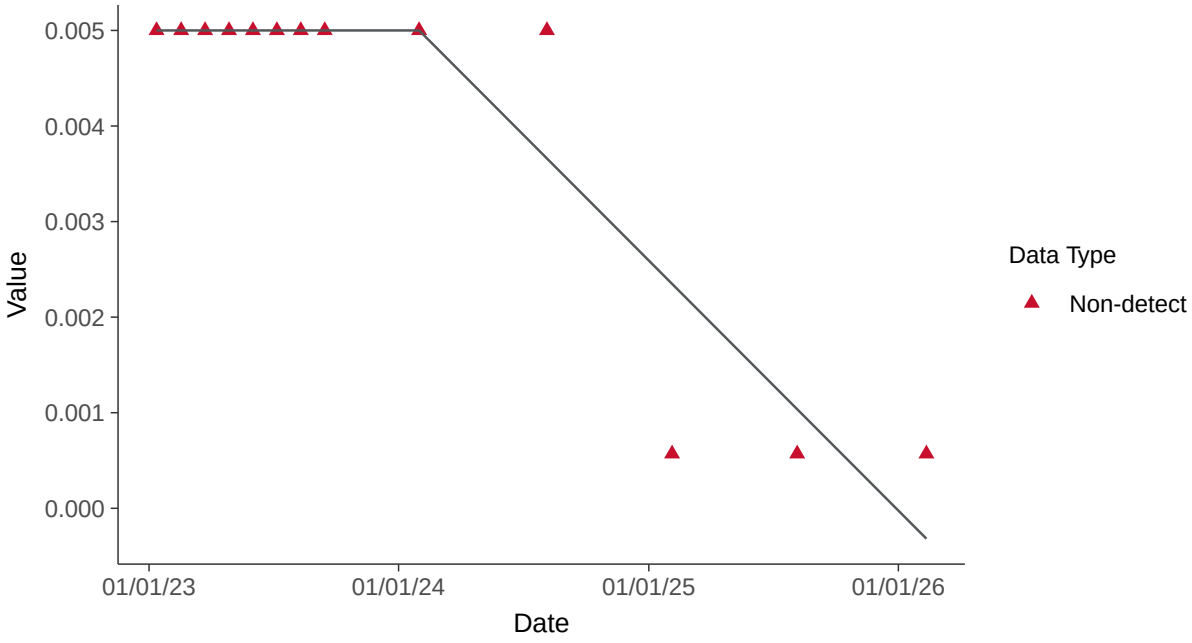
Trend Regression: Piecewise Linear-Linear

Antimony, MW-14 (mg/l)



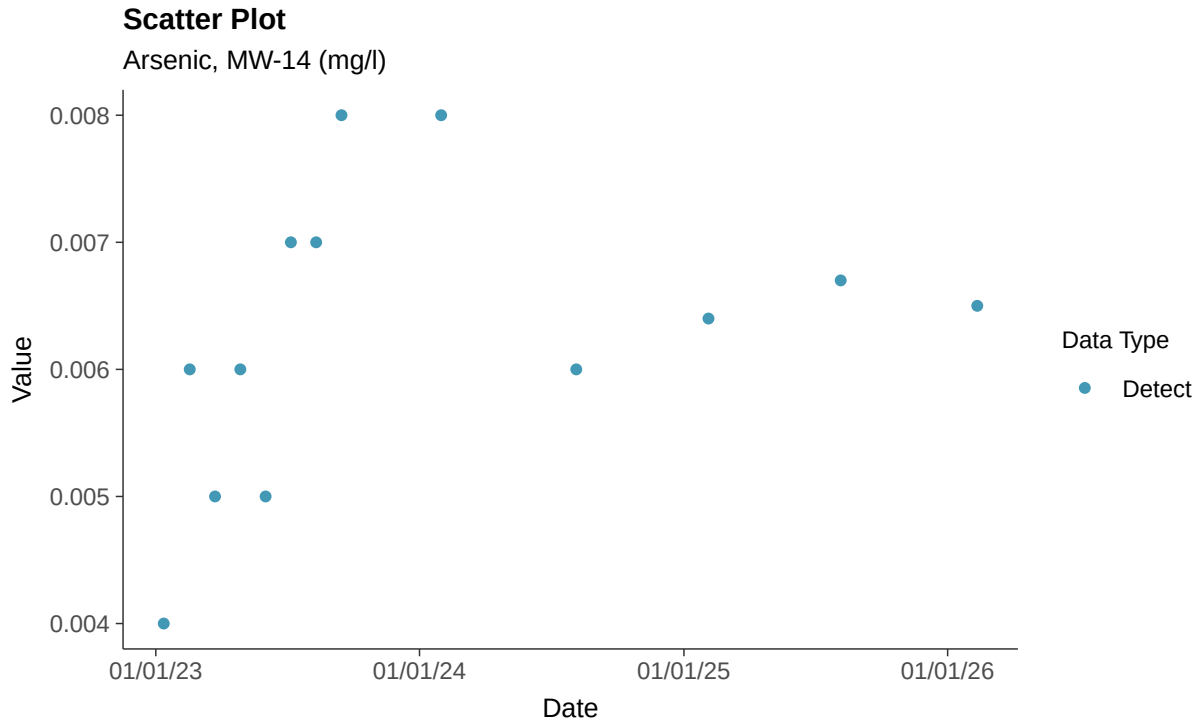
Trend Regression: Piecewise Linear-Linear-Linear

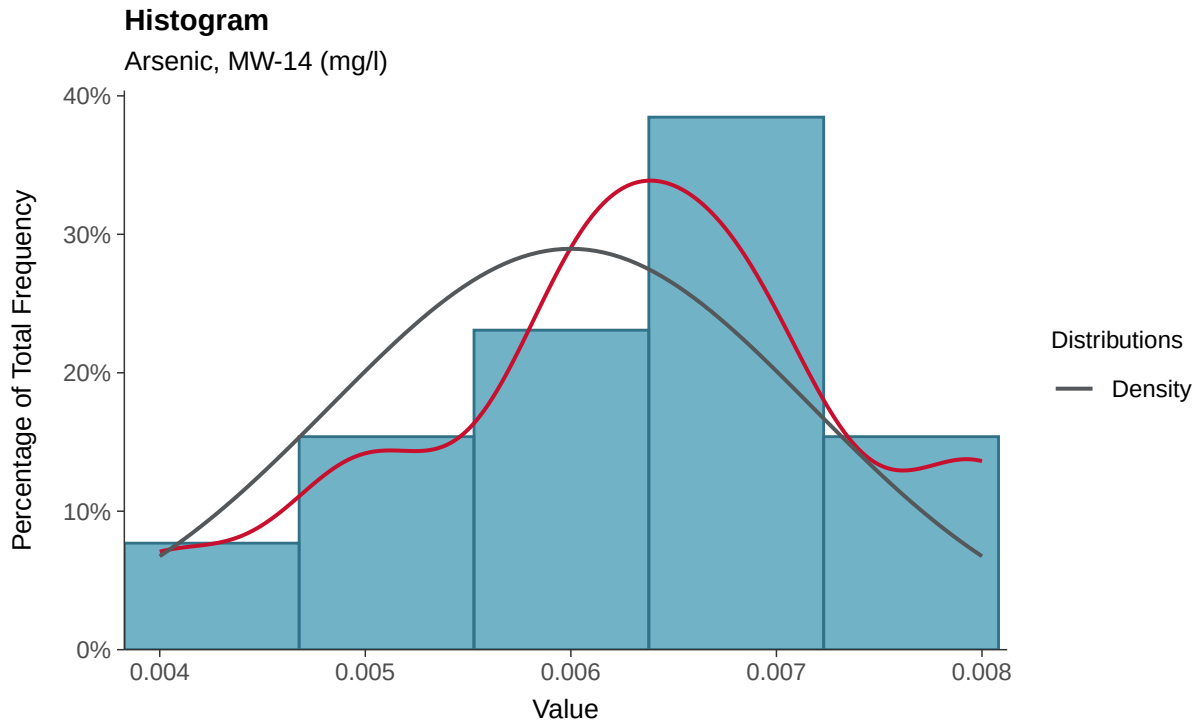
Antimony, MW-14 (mg/l)



Appendix IV: Arsenic, MW-14

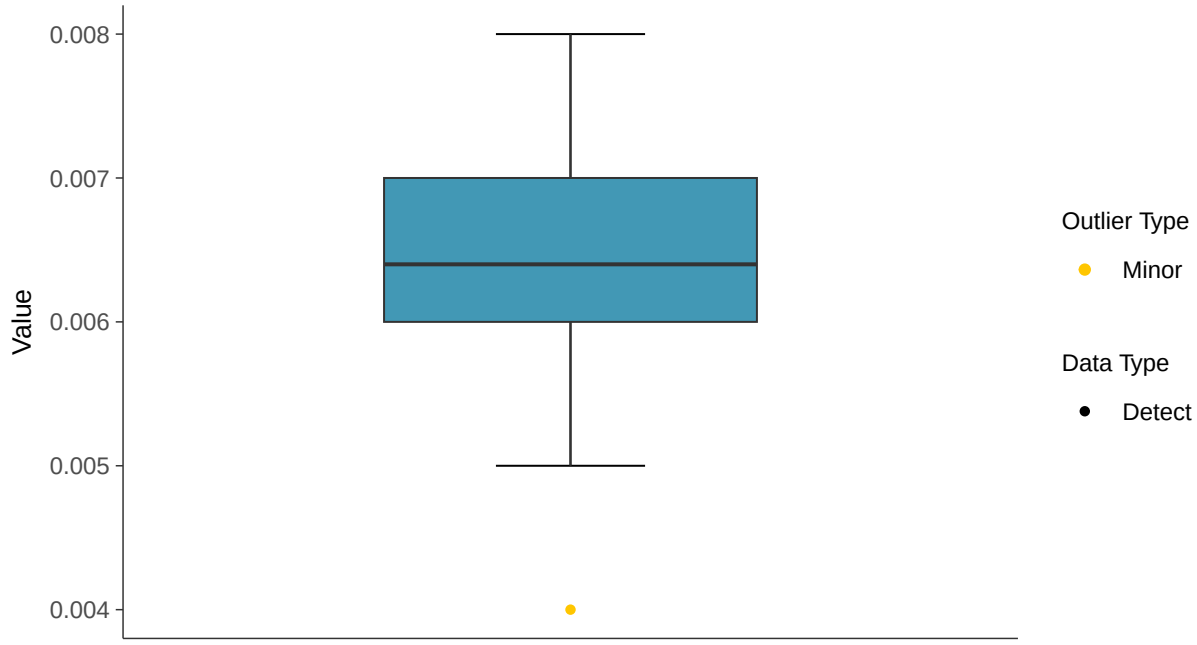
ID: 21_3_102





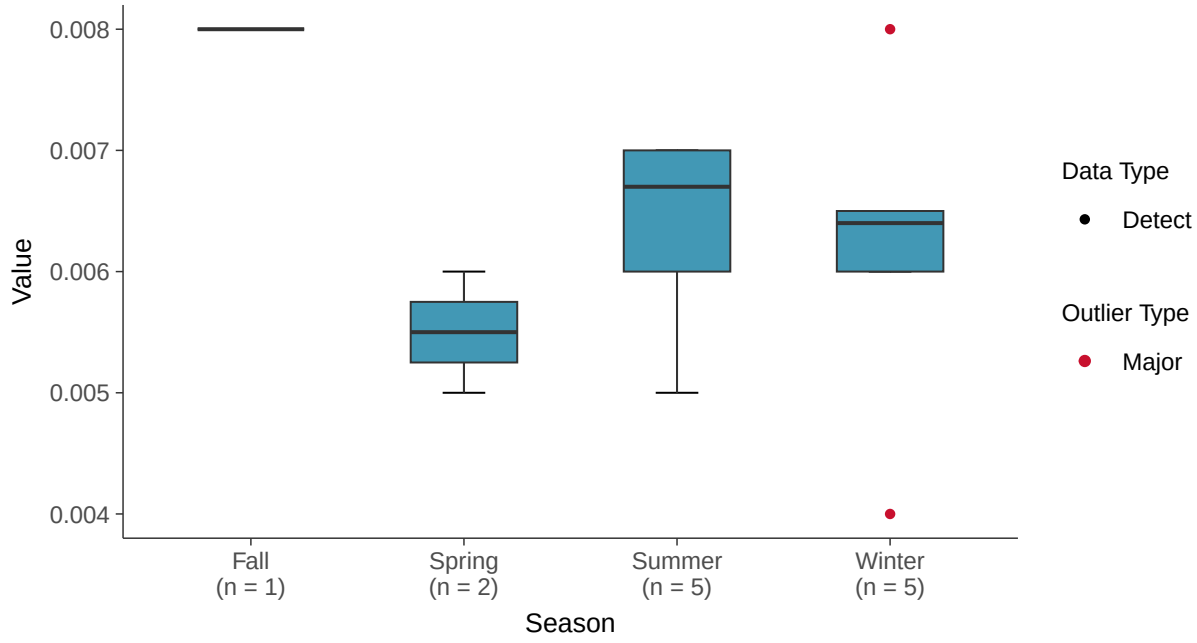
Boxplot

Arsenic, MW-14 (mg/l)



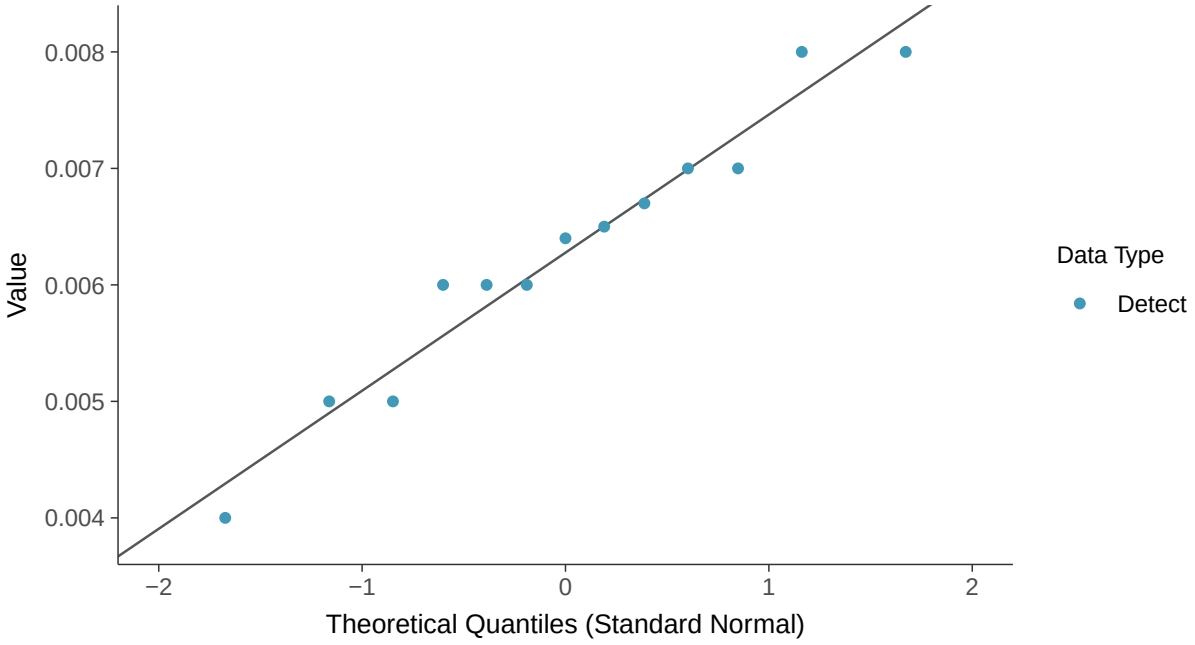
Boxplot by Season

Arsenic, MW-14 (mg/l)



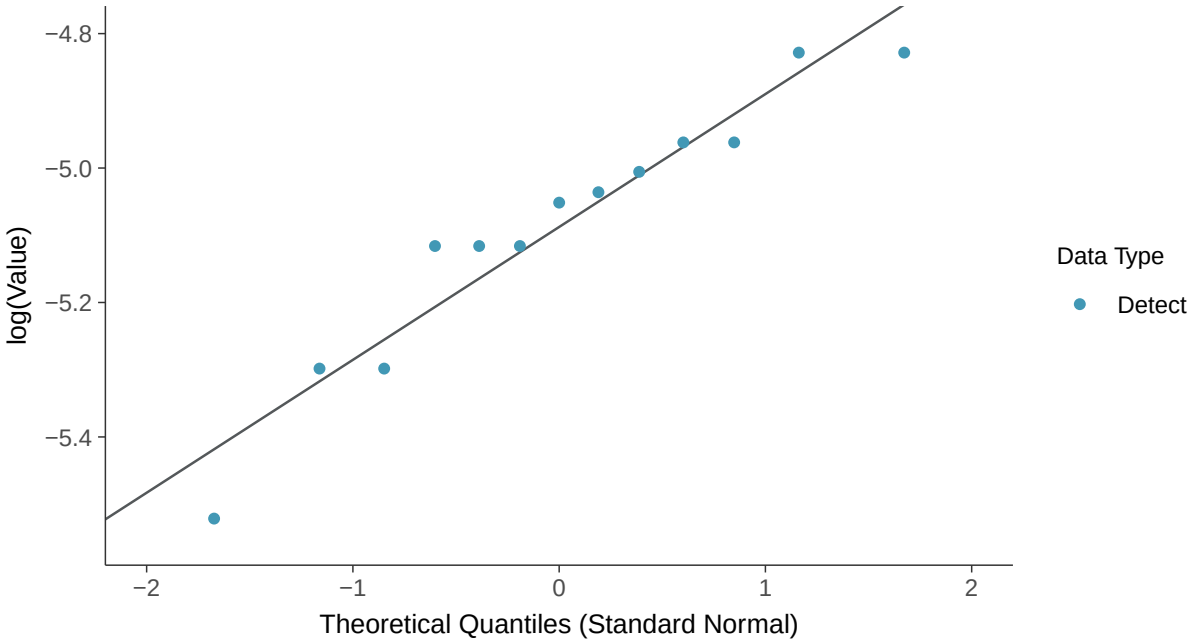
Normal Q-Q plot

Arsenic, MW-14 (mg/l)



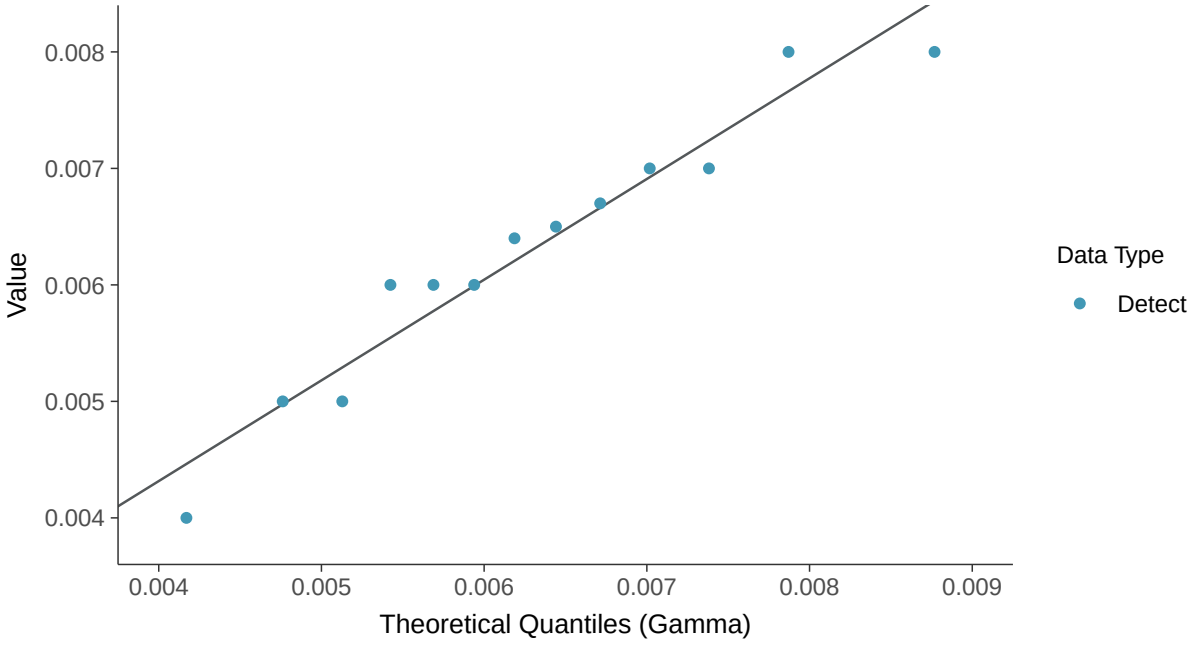
Lognormal Q-Q plot

Arsenic, MW-14 (mg/l)



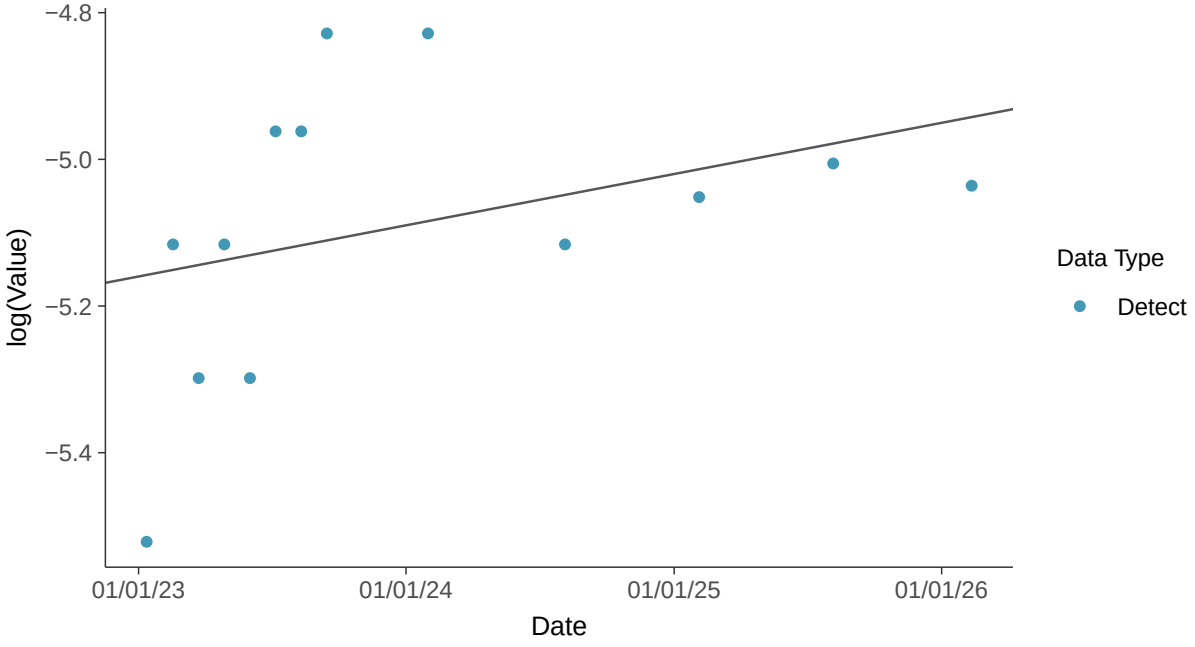
Gamma Q-Q plot

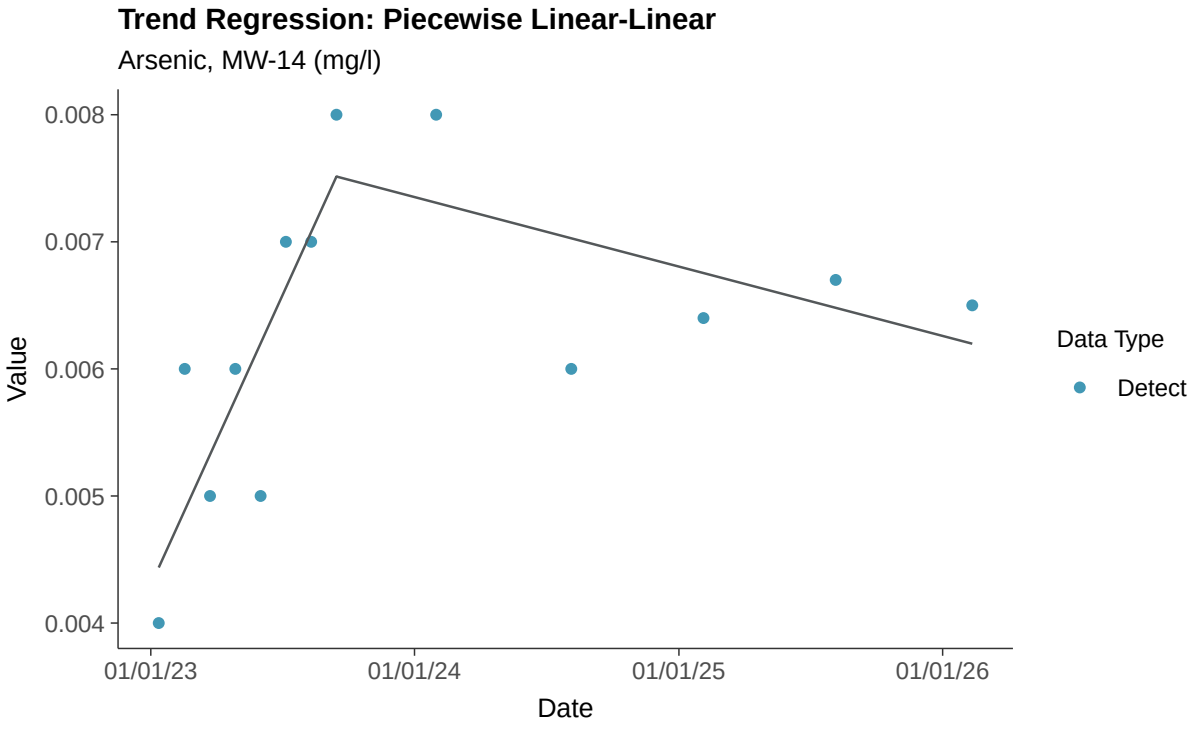
Arsenic, MW-14 (mg/l)



Trend Regression: Lognormal MLE

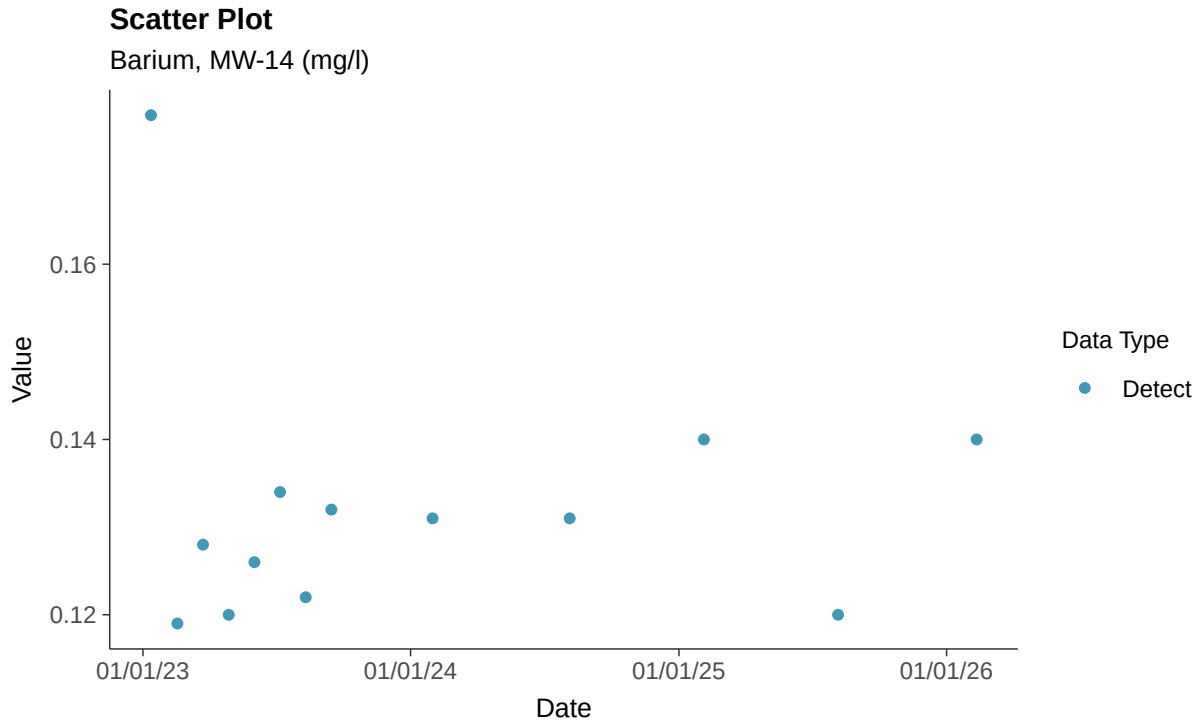
Arsenic, MW-14 (mg/l)

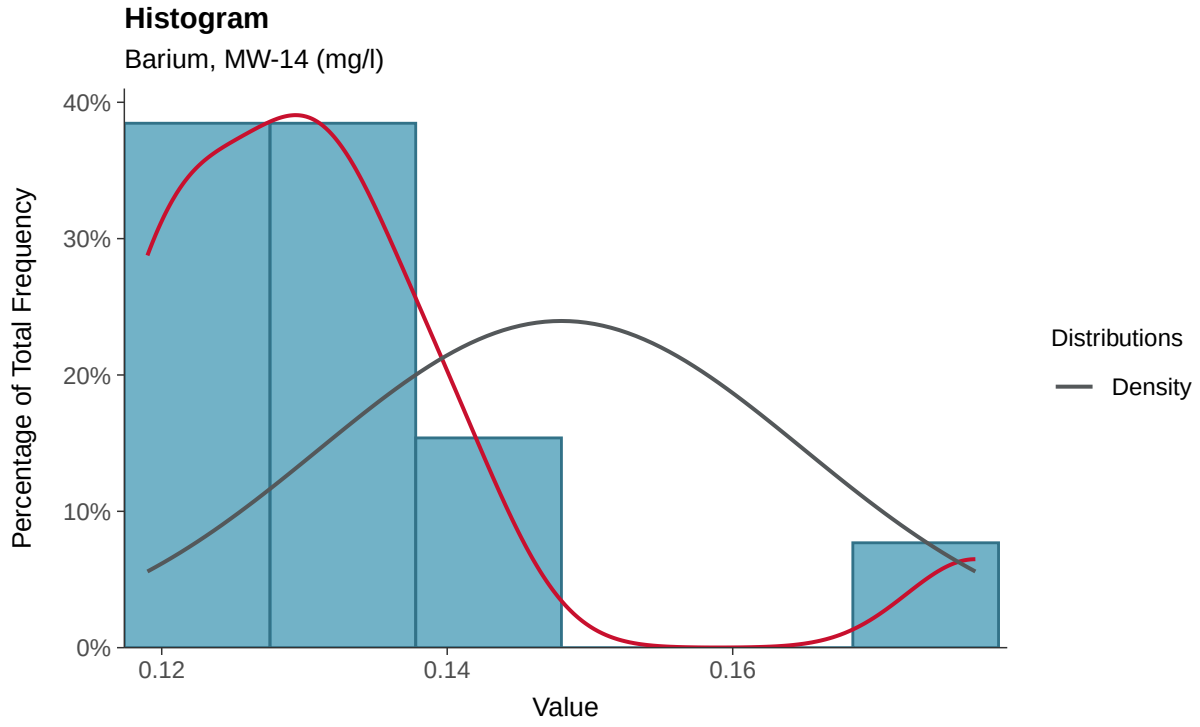



Trend Regression: Piecewise Linear-Linear
Arsenic, MW-14 (mg/l)
0.008
0.007
0.006
0.005
0.004
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Barium, MW-14

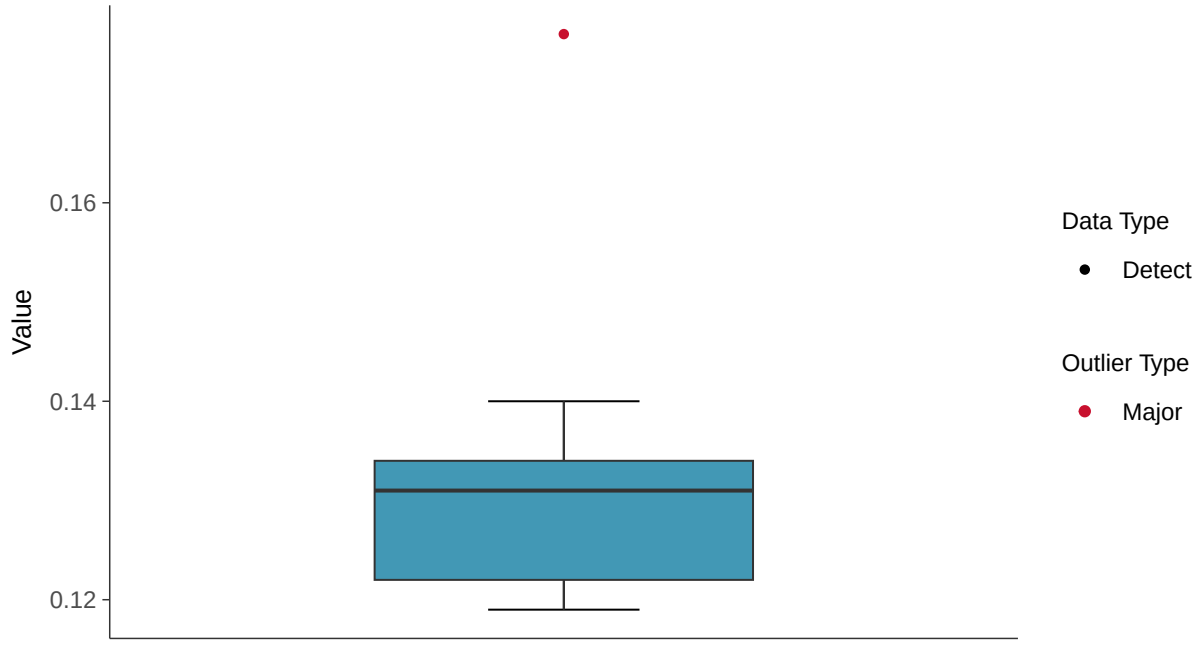
ID: 21_3_103





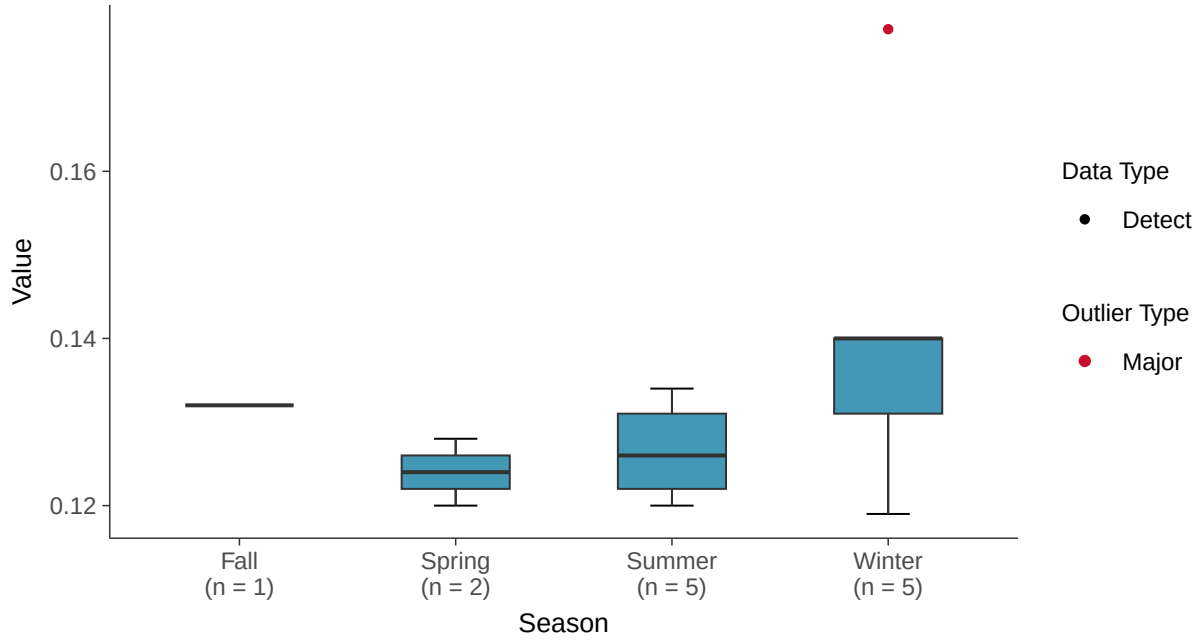
Boxplot

Barium, MW-14 (mg/l)



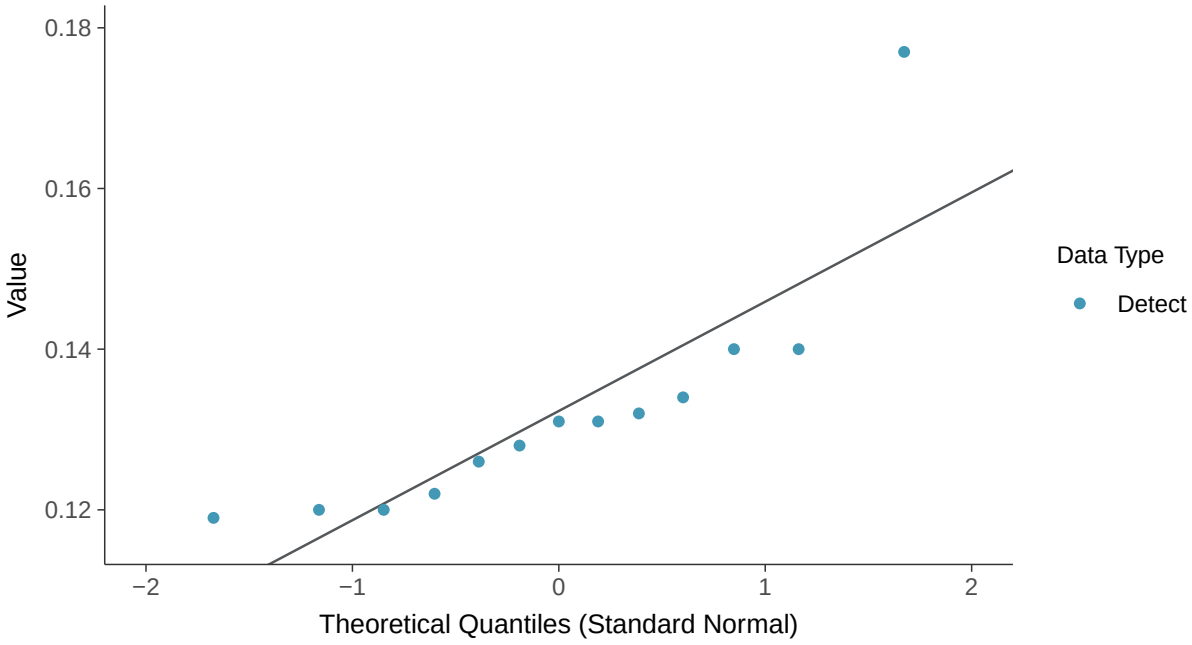
Boxplot by Season

Barium, MW-14 (mg/l)



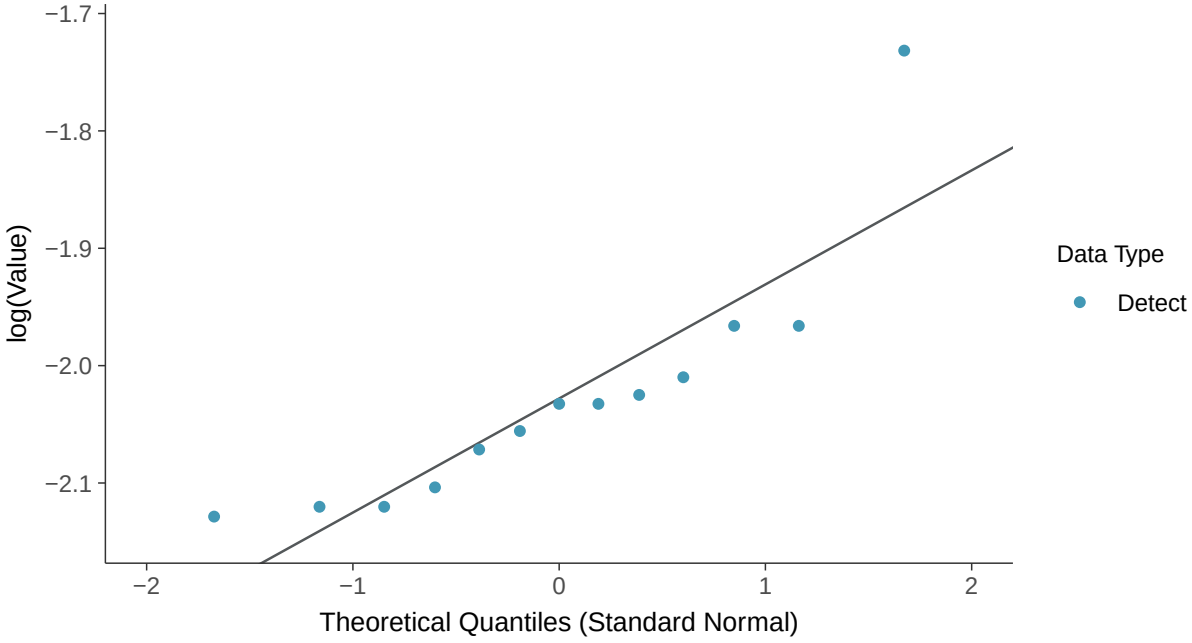
Normal Q-Q plot

Barium, MW-14 (mg/l)



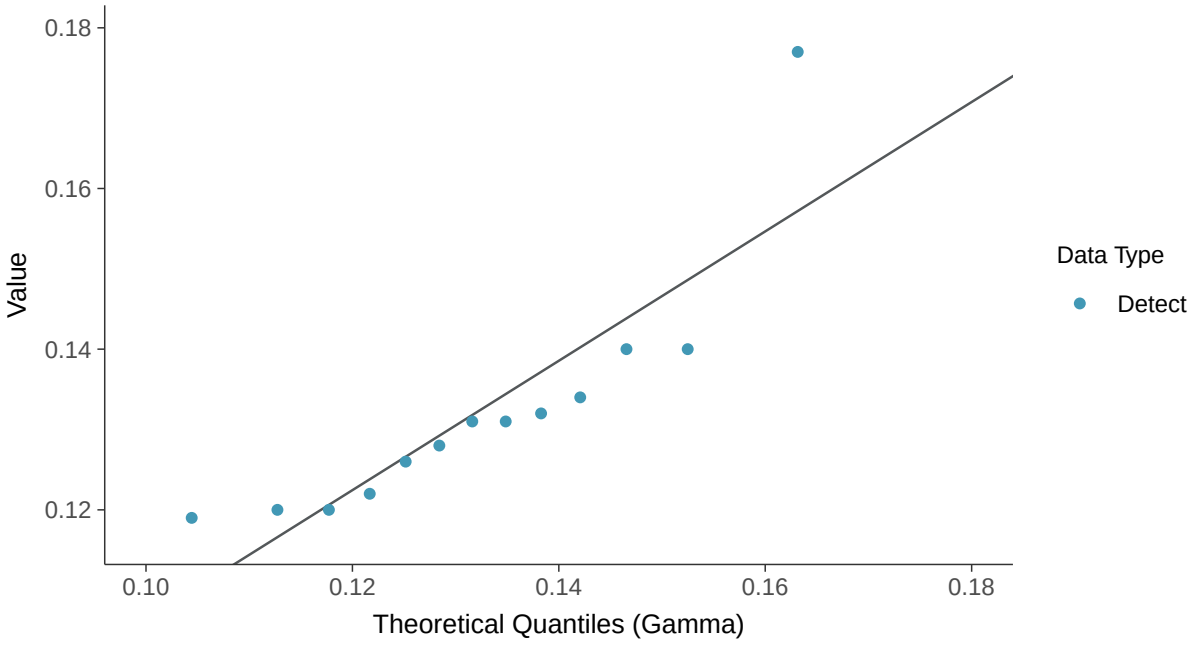
Lognormal Q-Q plot

Barium, MW-14 (mg/l)



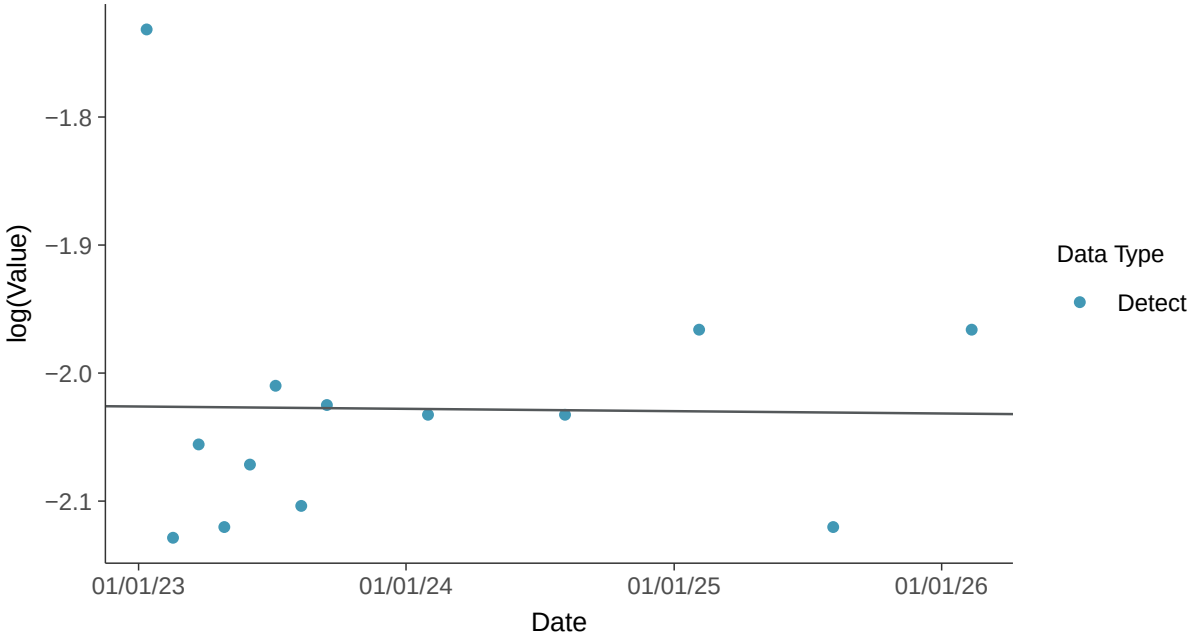
Gamma Q-Q plot

Barium, MW-14 (mg/l)



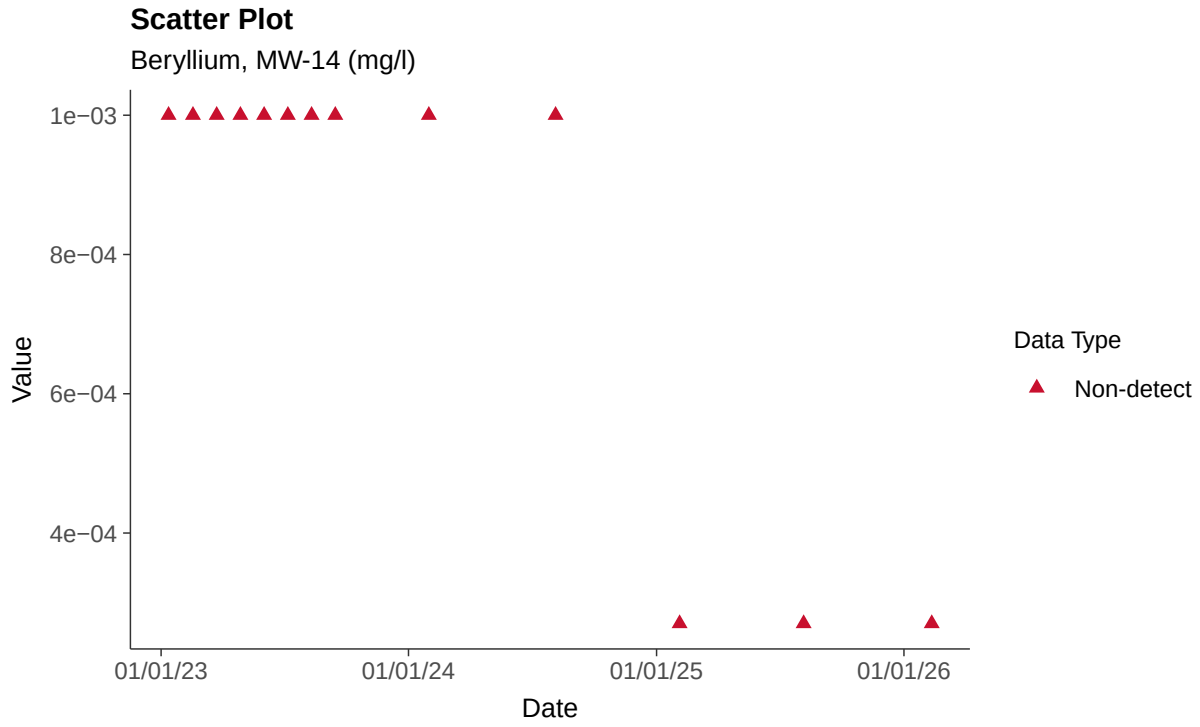
Trend Regression: Lognormal MLE

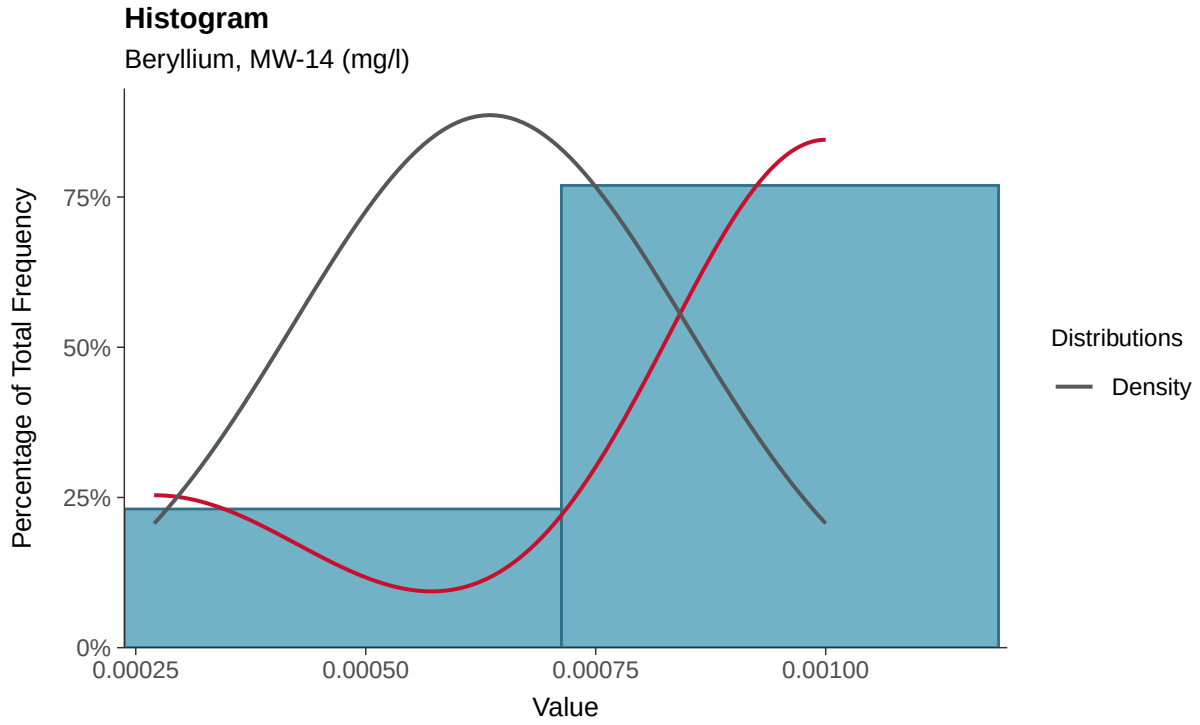
Barium, MW-14 (mg/l)



Appendix IV: Beryllium, MW-14

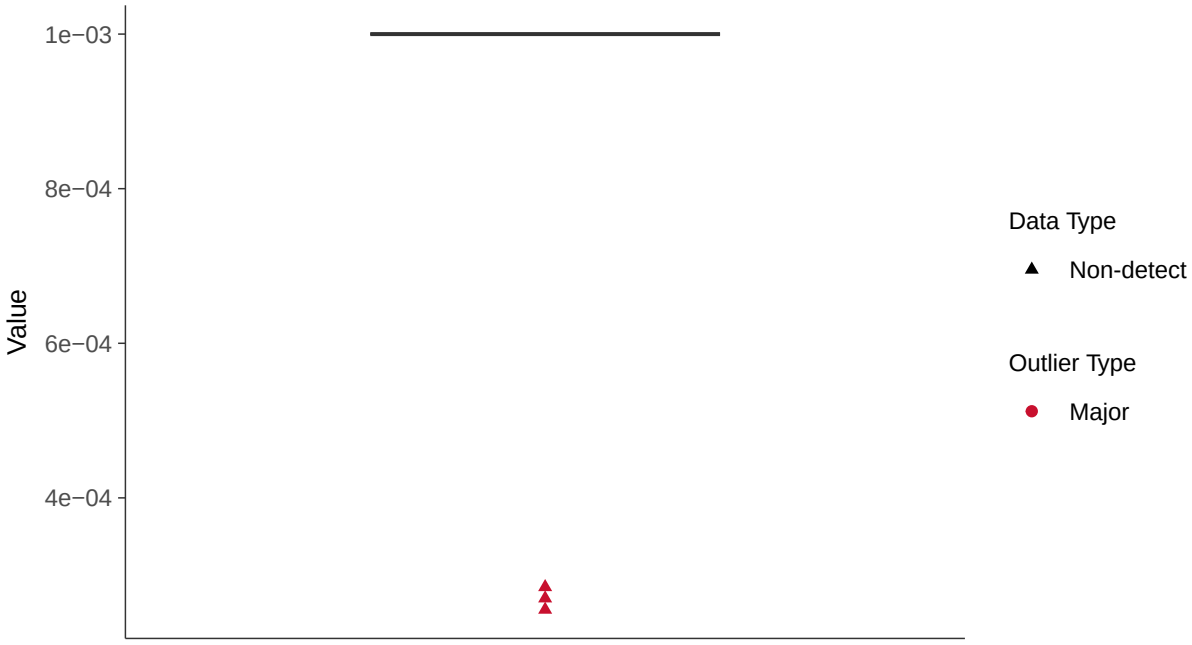
ID: 21_3_104





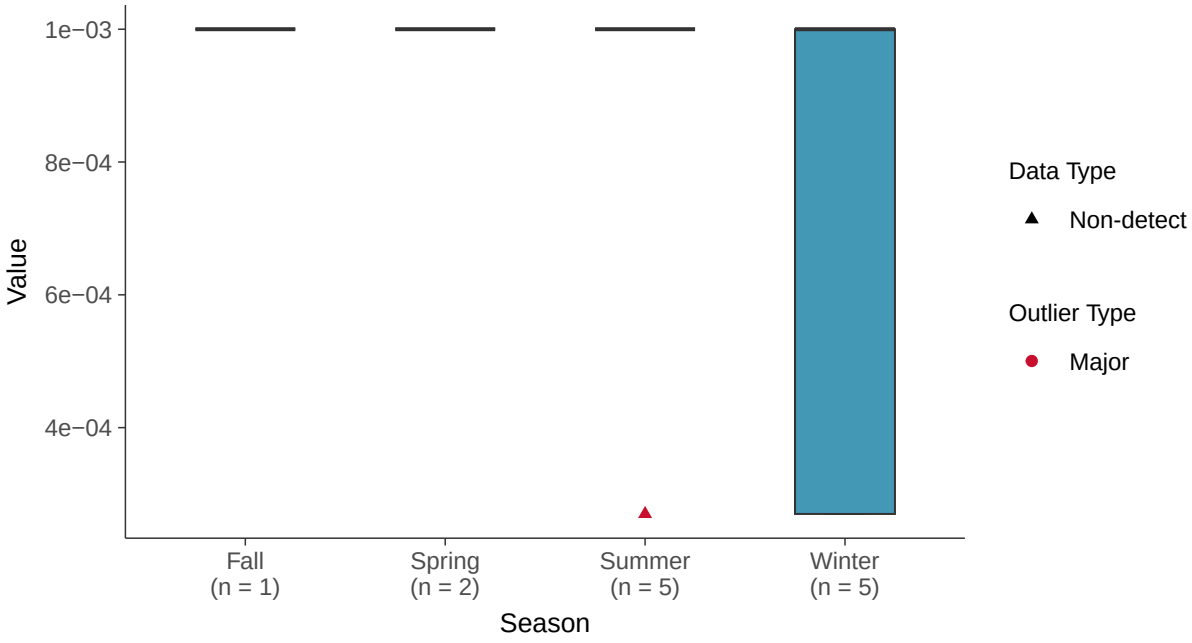
Boxplot

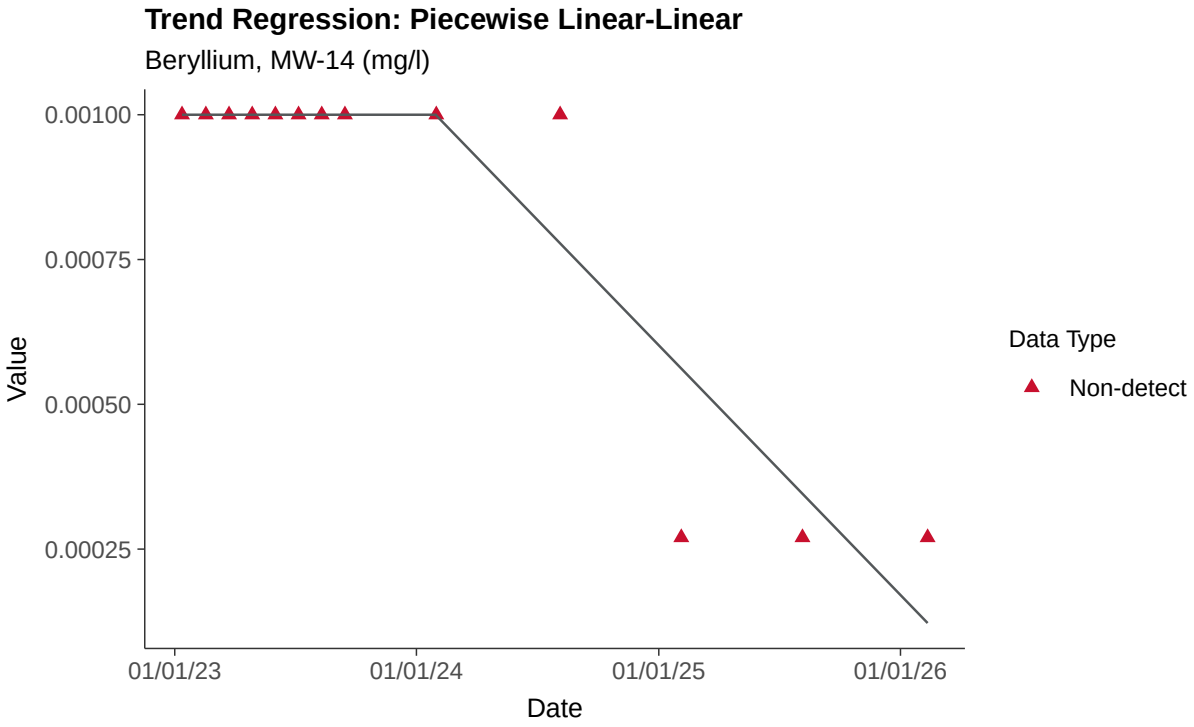
Beryllium, MW-14 (mg/l)



Boxplot by Season

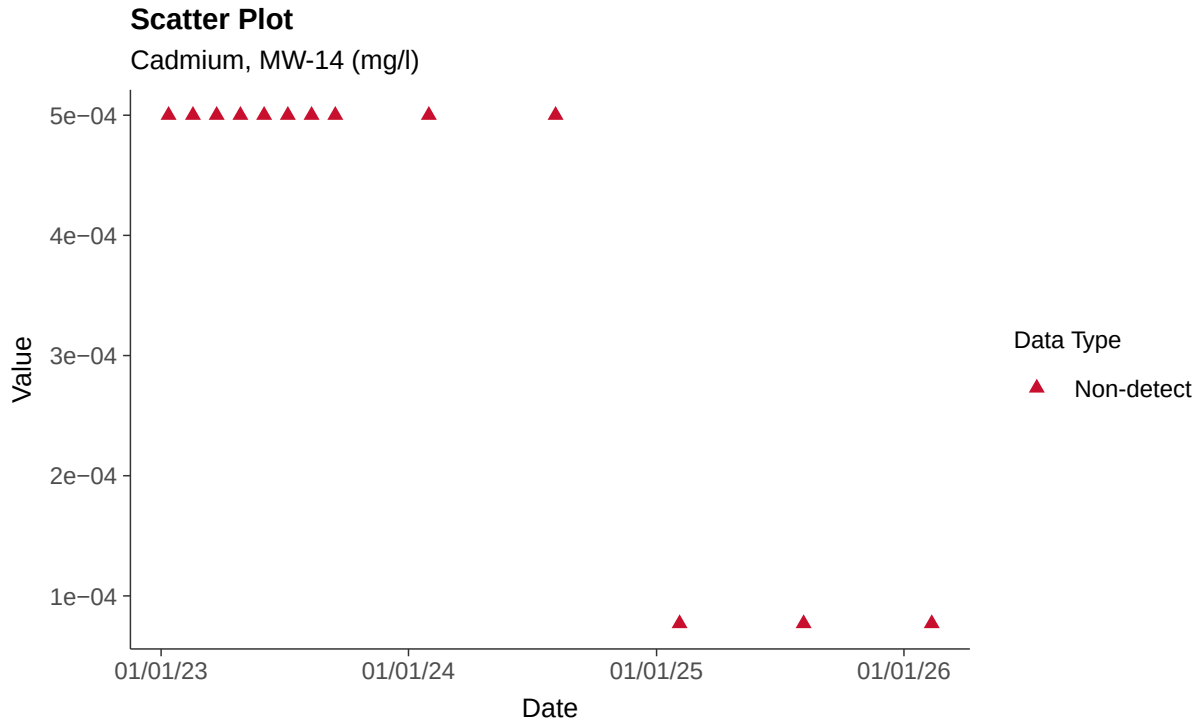
Beryllium, MW-14 (mg/l)

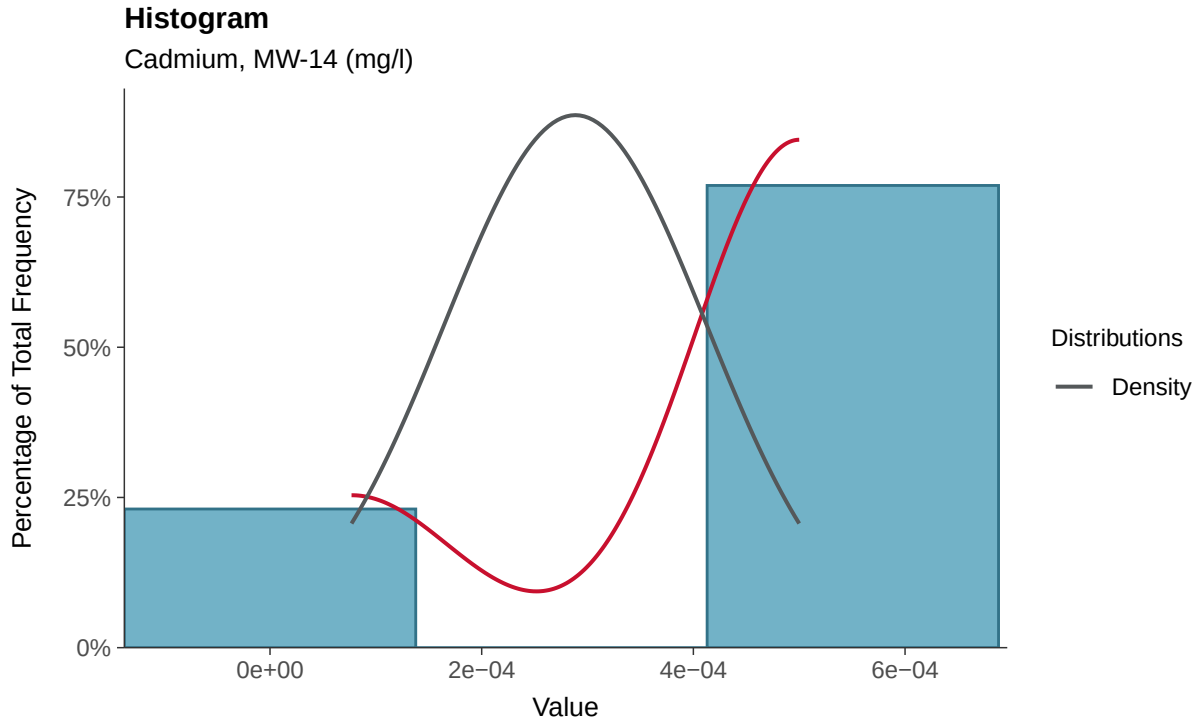



Trend Regression: Piecewise Linear-Linear
Beryllium, MW-14 (mg/l)
0.00100
0.00075
0.00050
0.00025
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cadmium, MW-14

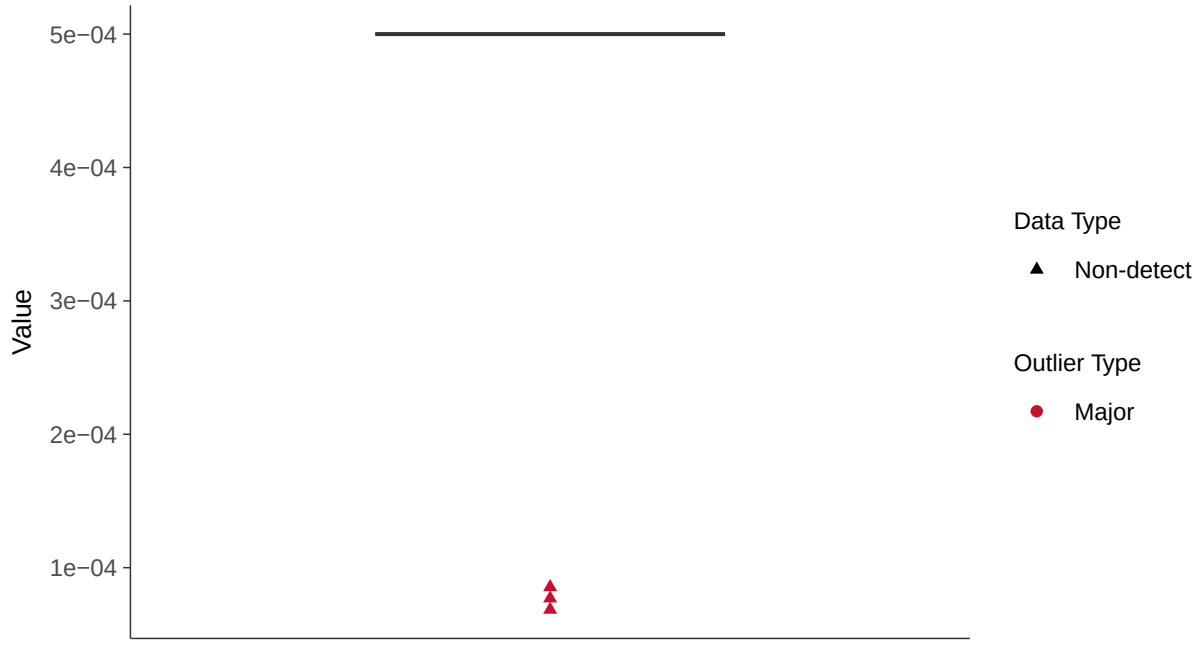
ID: 21_3_106





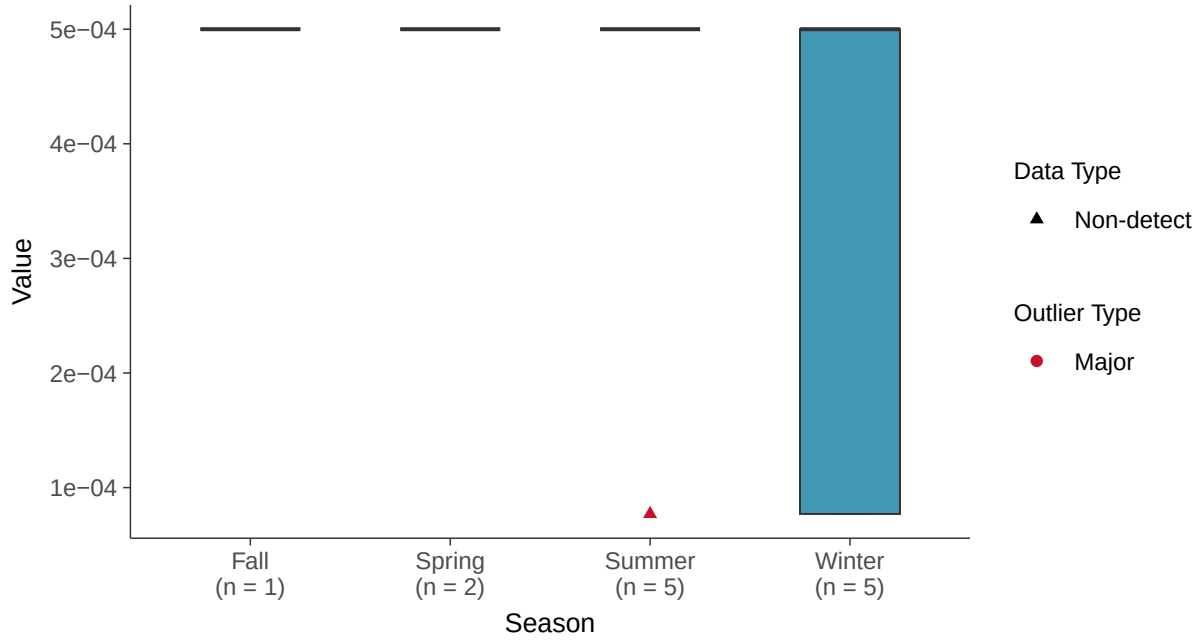
Boxplot

Cadmium, MW-14 (mg/l)



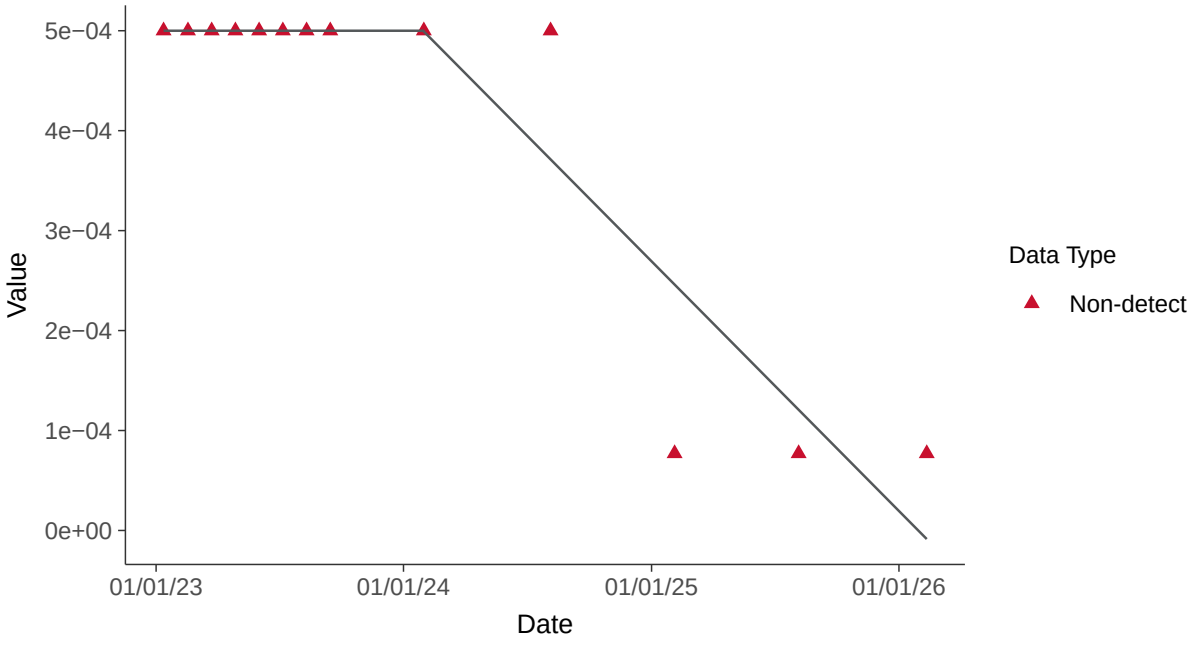
Boxplot by Season

Cadmium, MW-14 (mg/l)



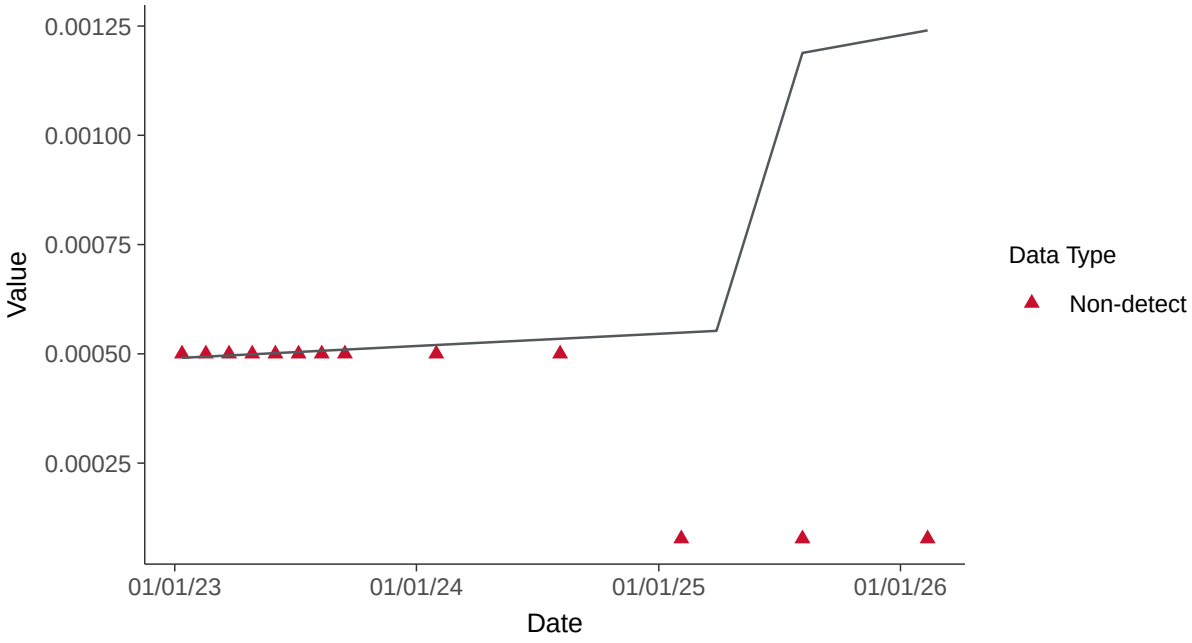
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-14 (mg/l)



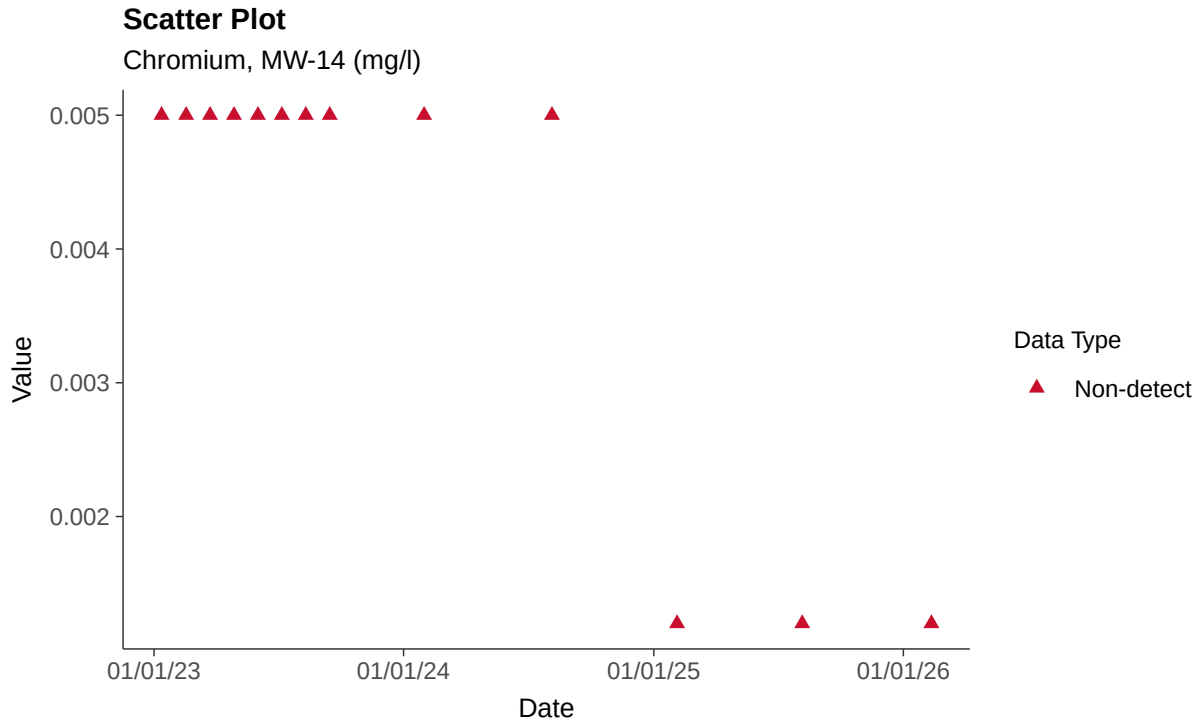
Trend Regression: Piecewise Linear-Linear-Linear

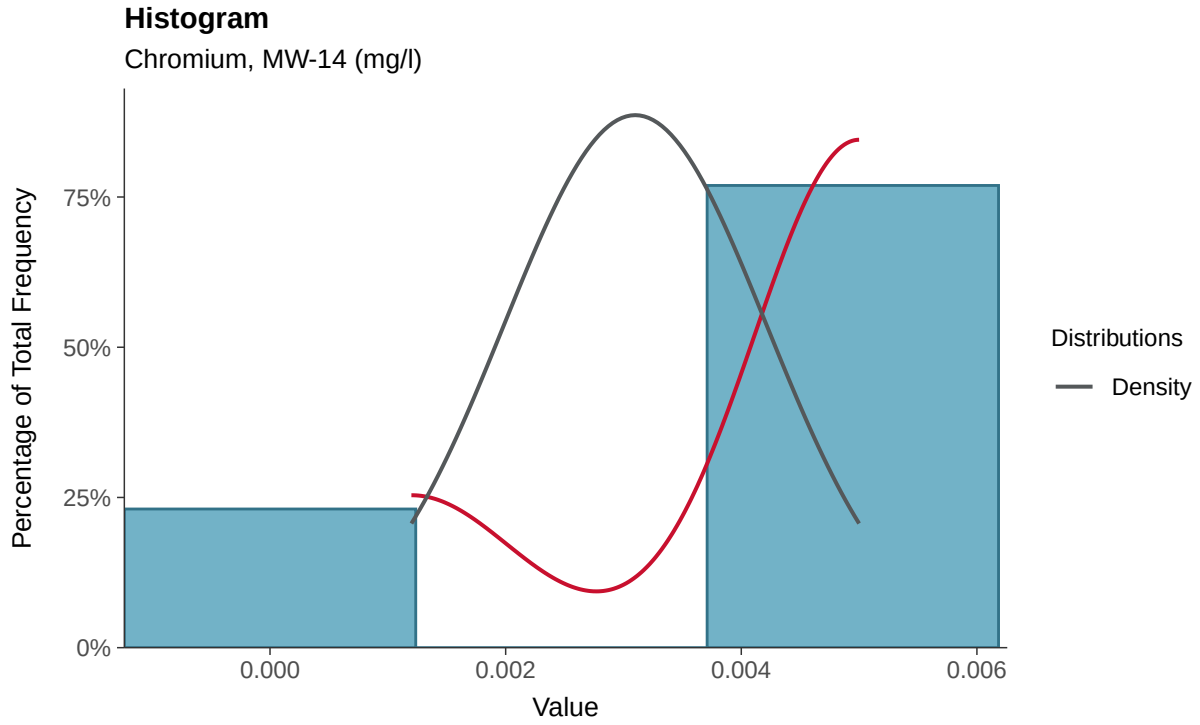
Cadmium, MW-14 (mg/l)



Appendix IV: Chromium, MW-14

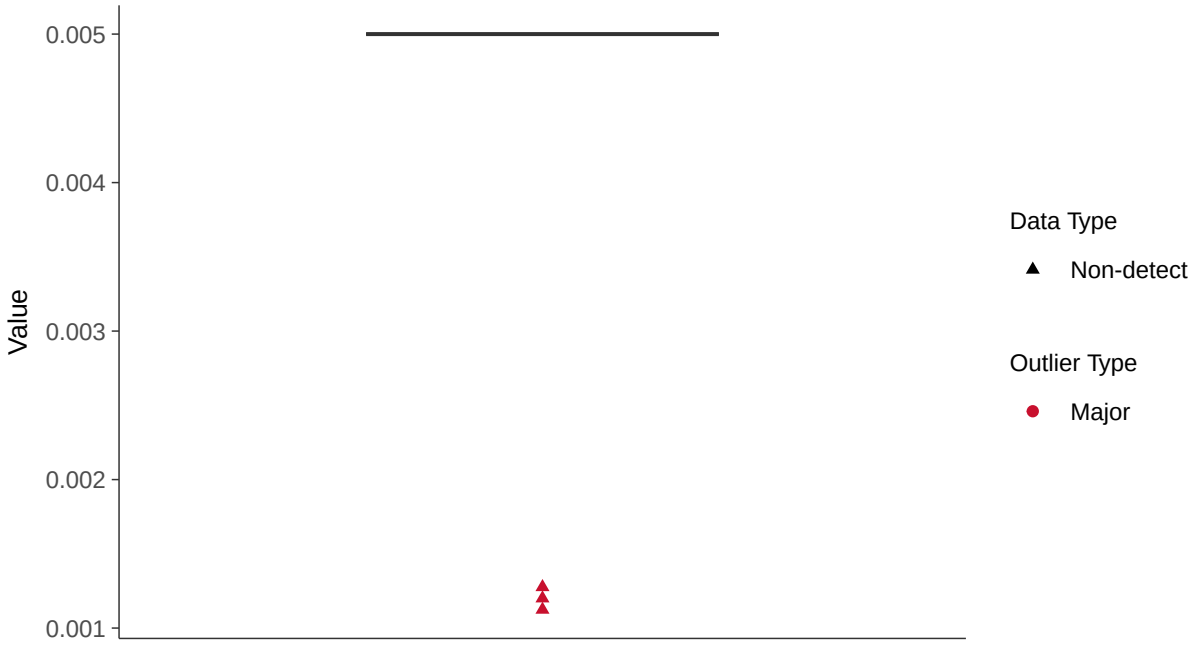
ID: 21_3_109





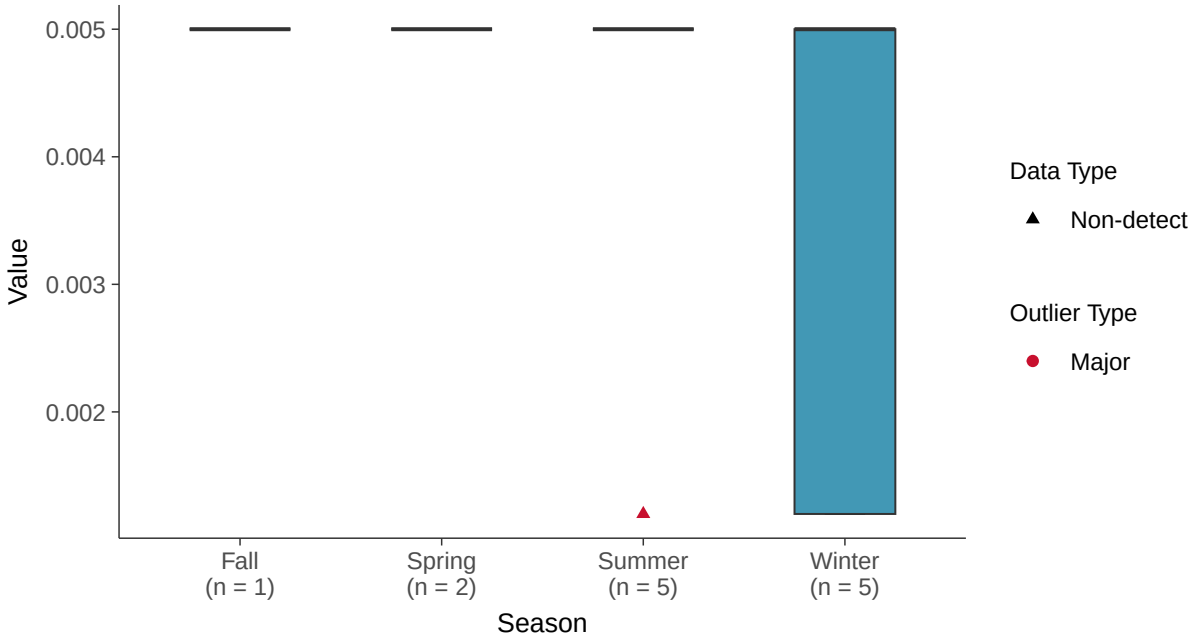
Boxplot

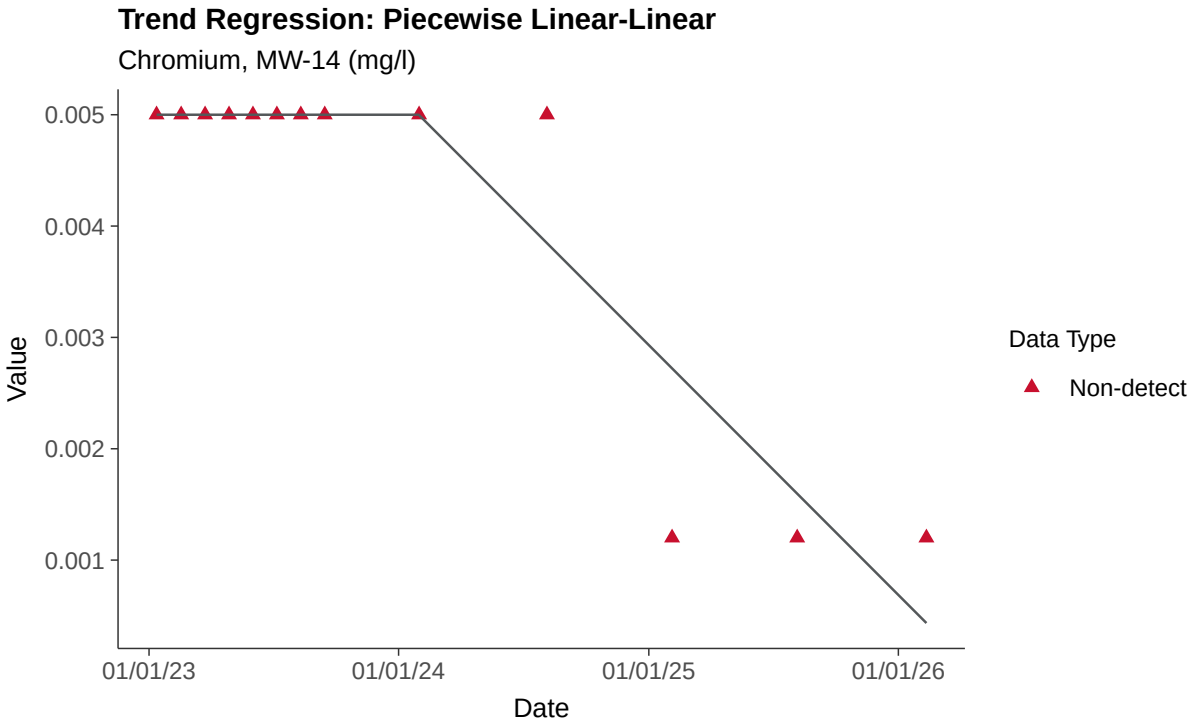
Chromium, MW-14 (mg/l)



Boxplot by Season

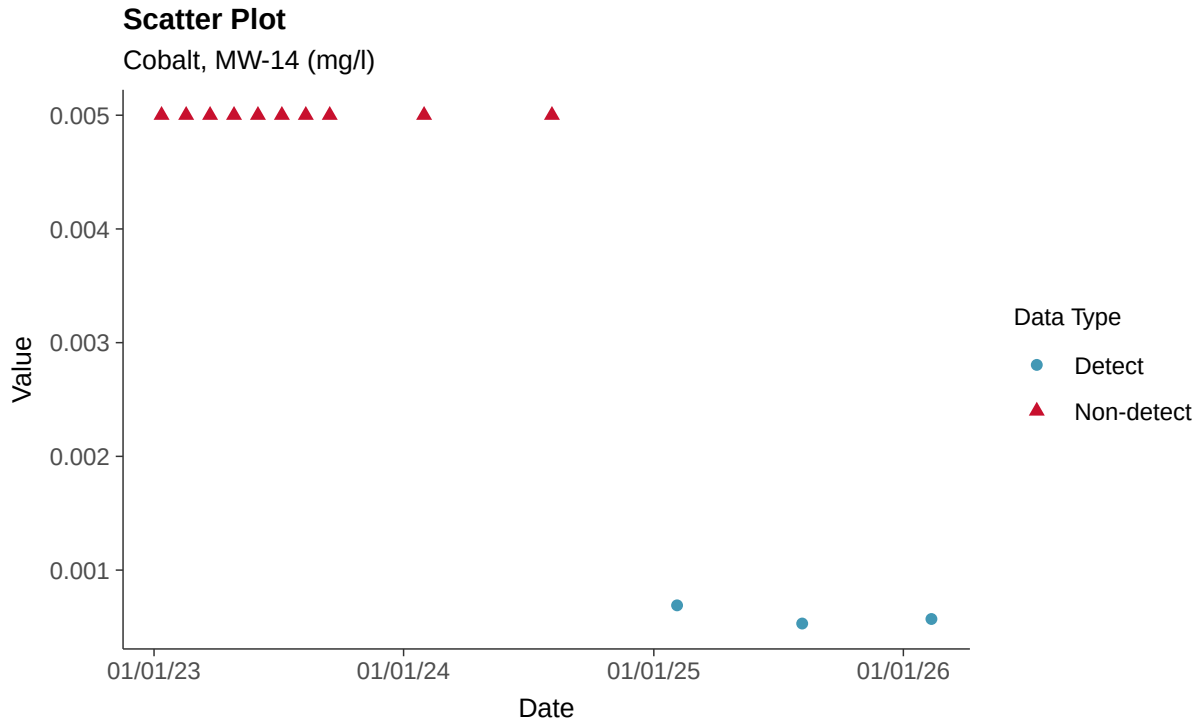
Chromium, MW-14 (mg/l)

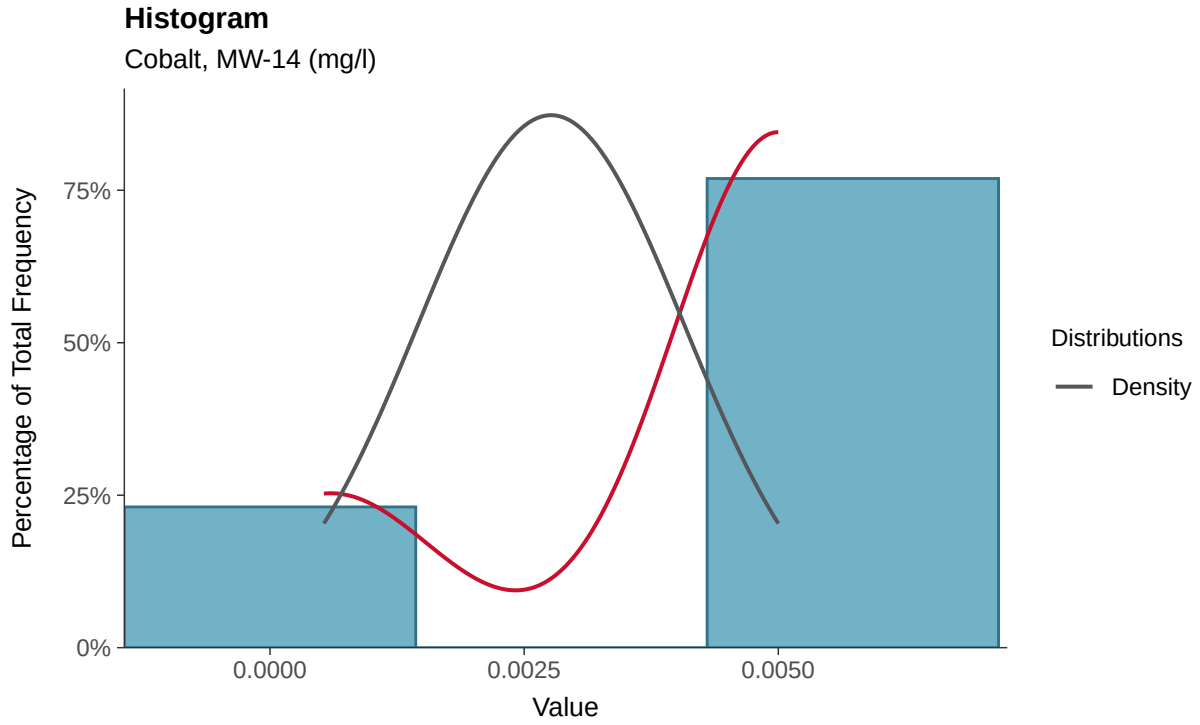



Trend Regression: Piecewise Linear-Linear
Chromium, MW-14 (mg/l)
0.005
0.004
0.003
0.002
0.001
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cobalt, MW-14

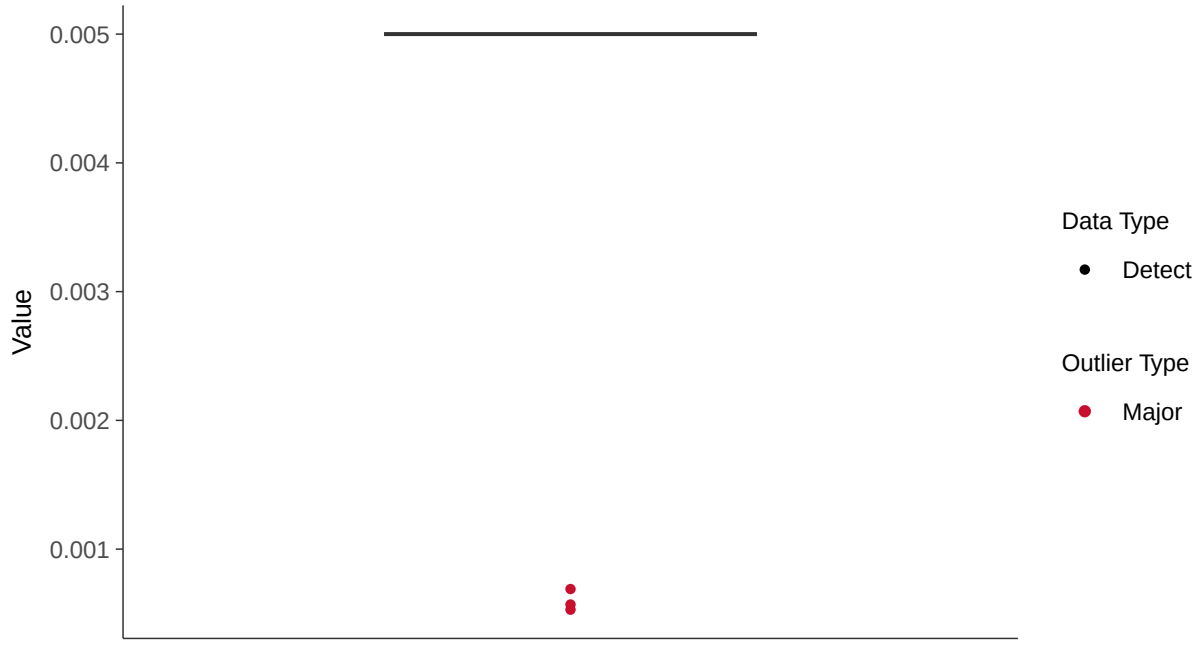
ID: 21_3_110





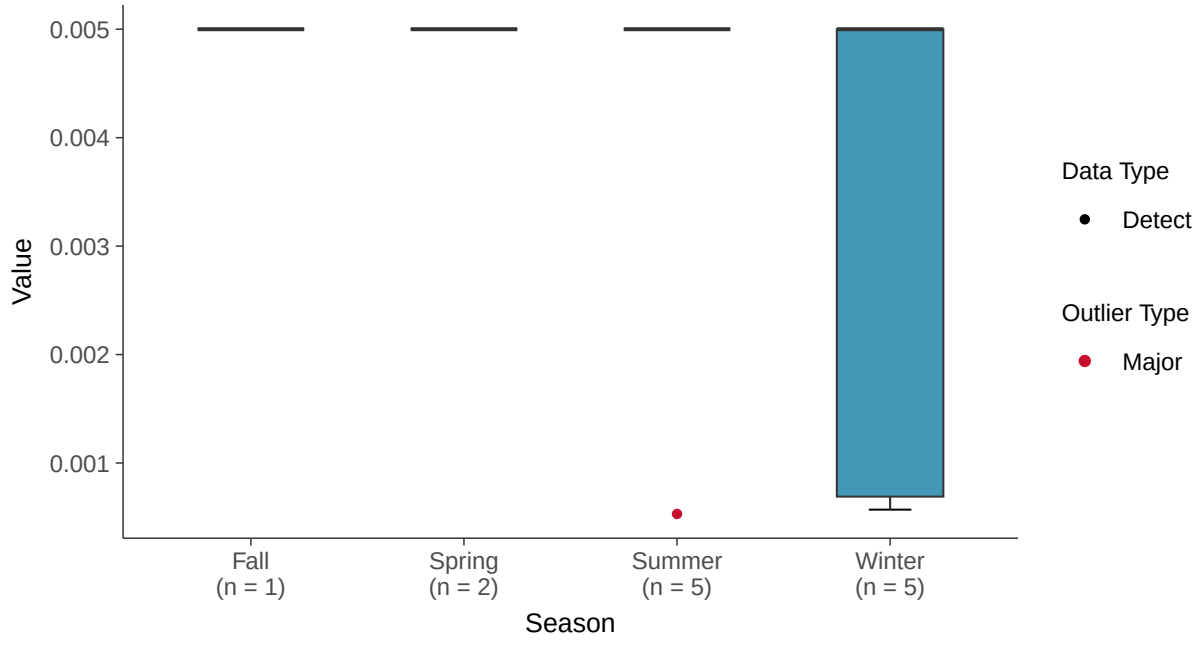
Boxplot

Cobalt, MW-14 (mg/l)



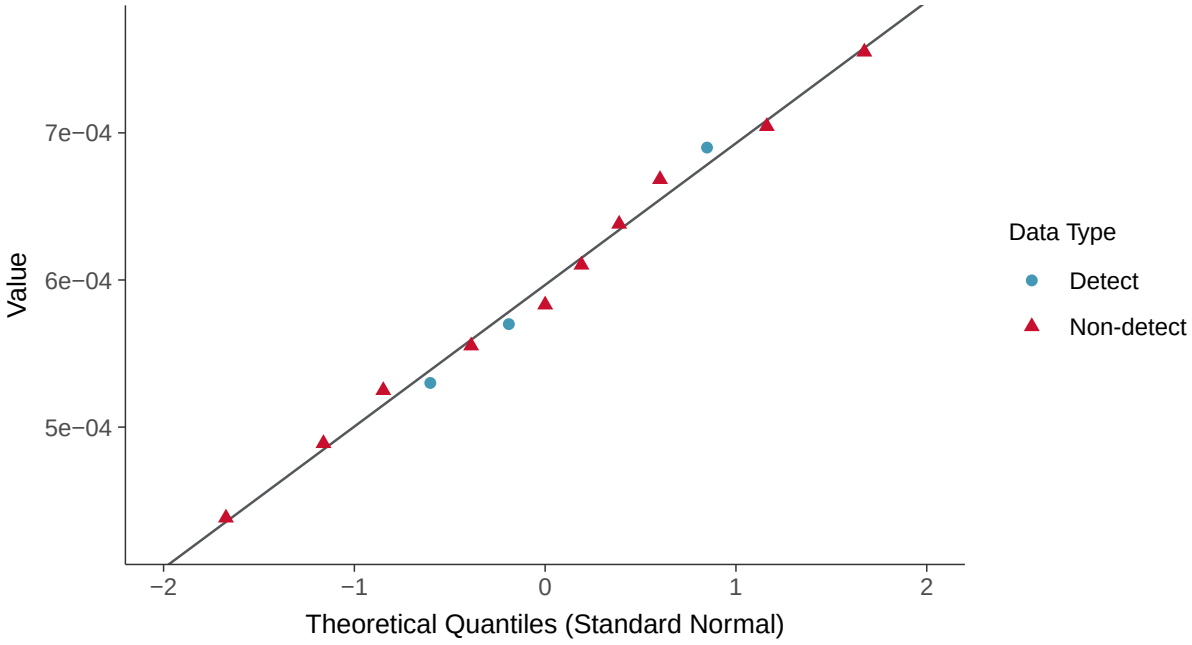
Boxplot by Season

Cobalt, MW-14 (mg/l)



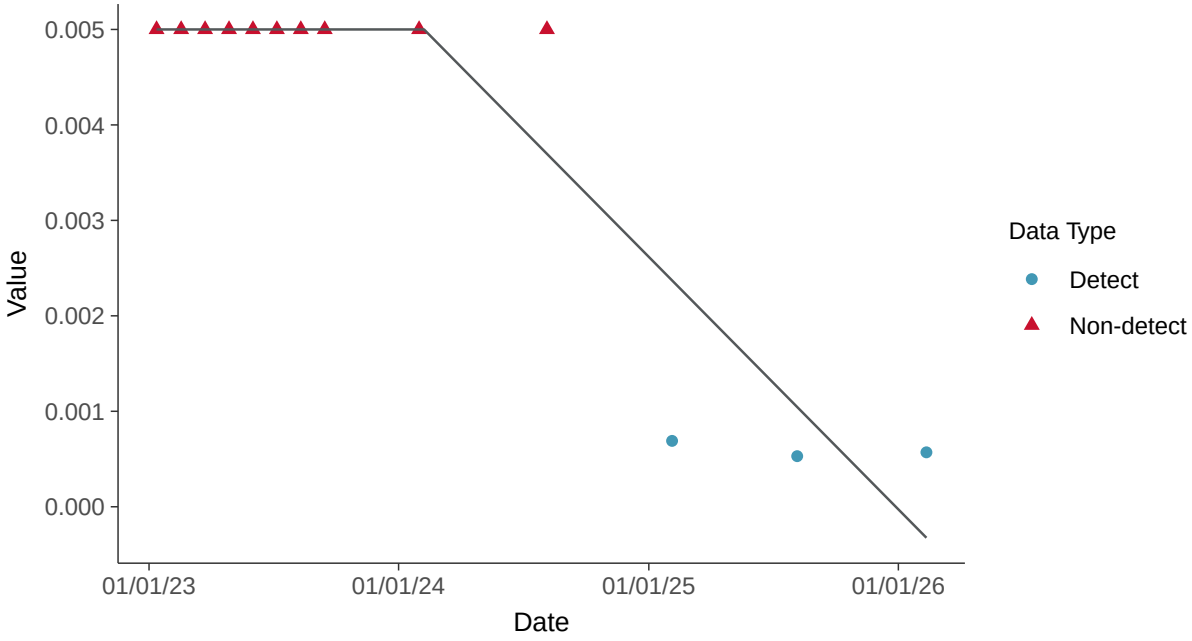
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-14 (mg/l)



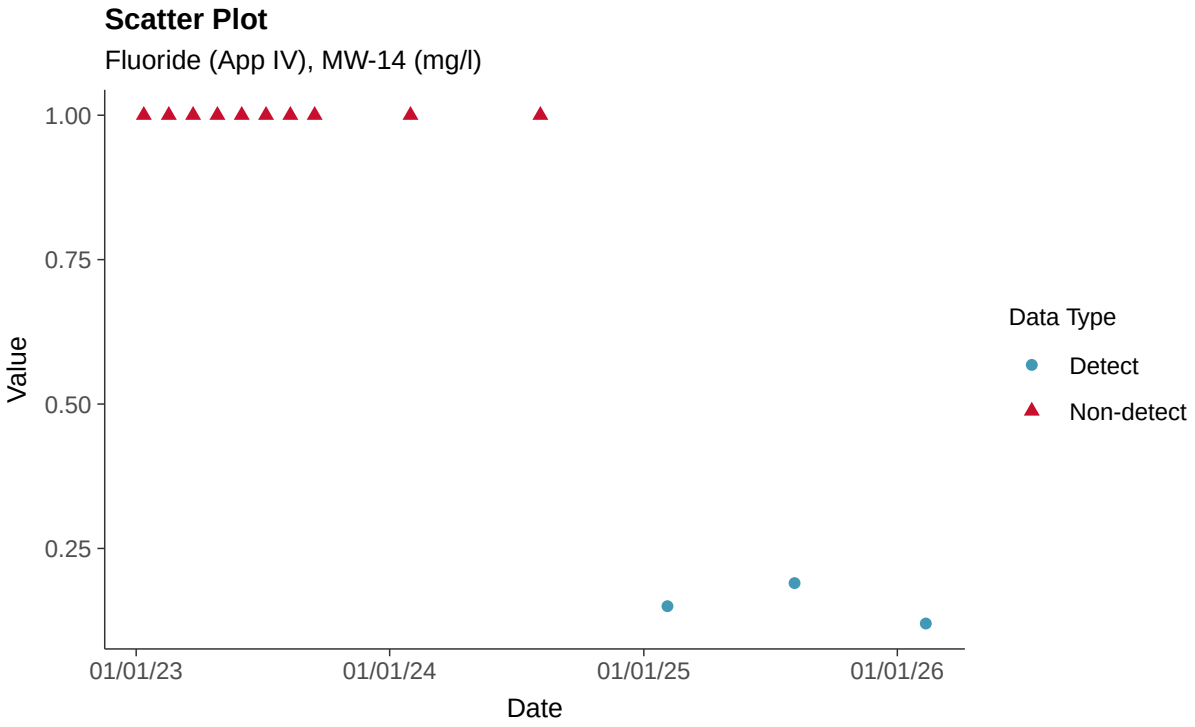
Trend Regression: Piecewise Linear-Linear

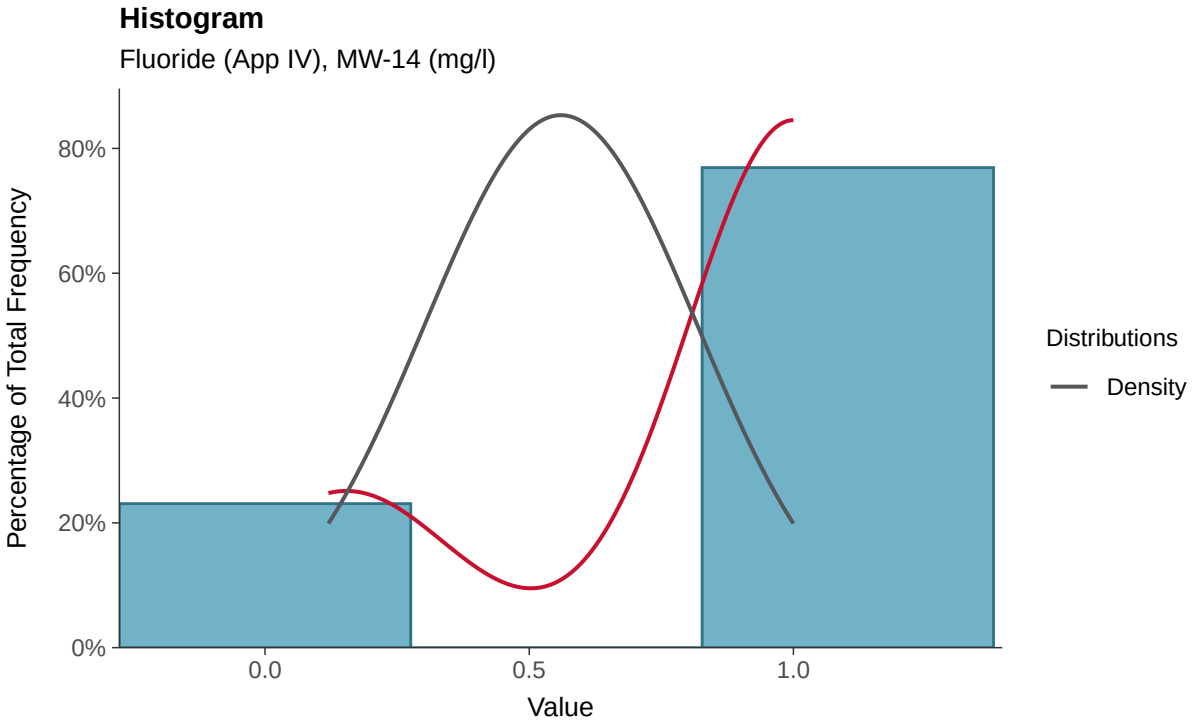
Cobalt, MW-14 (mg/l)



Appendix IV: Fluoride (App IV), MW-14

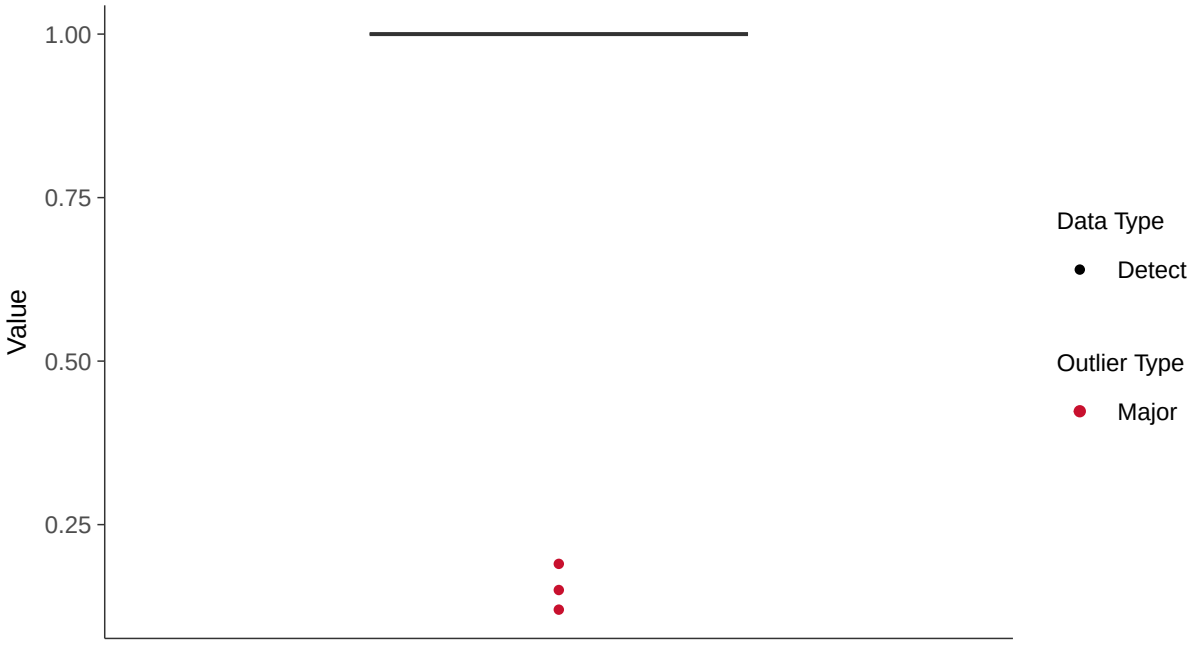
ID: 21_3_113





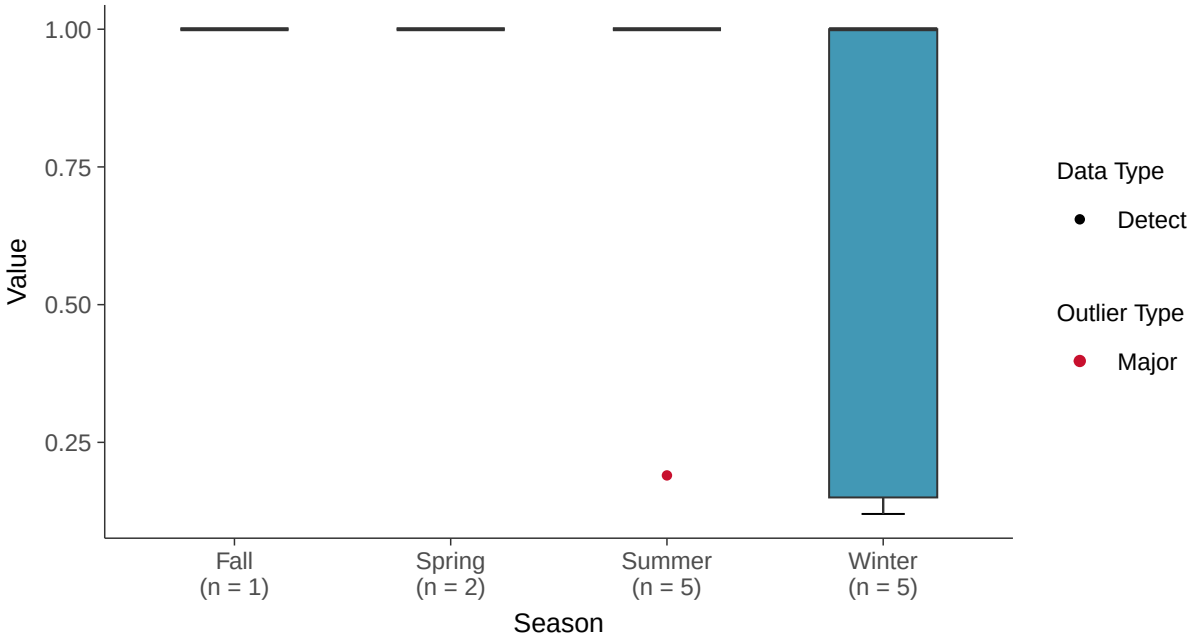
Boxplot

Fluoride (App IV), MW-14 (mg/l)



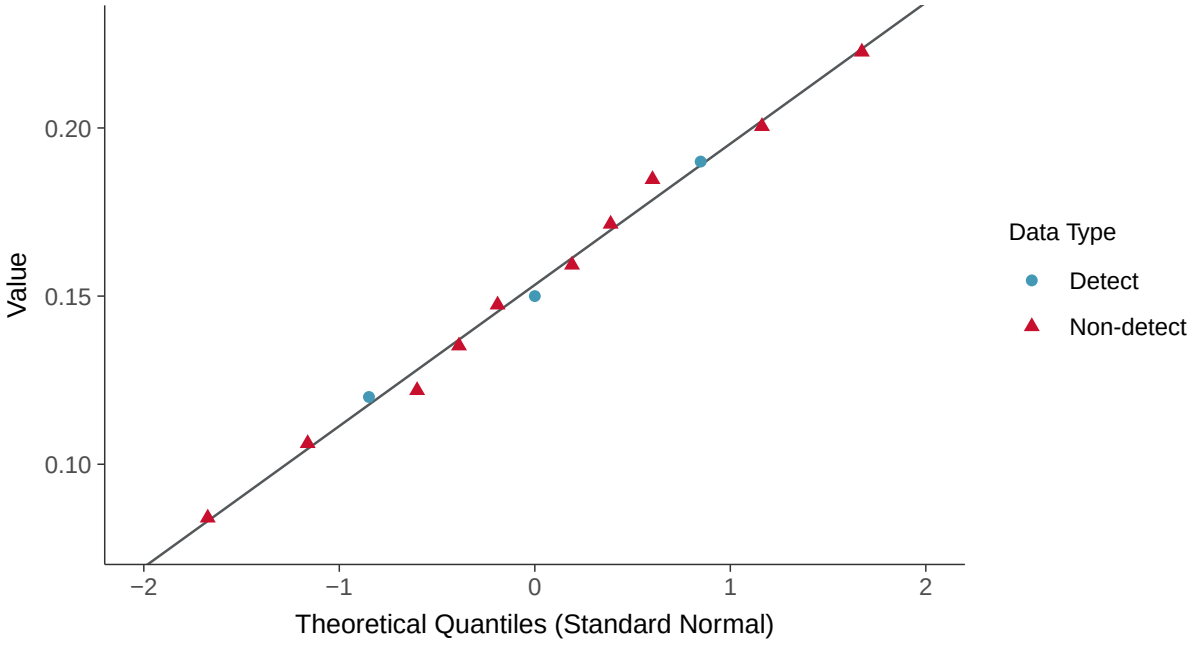
Boxplot by Season

Fluoride (App IV), MW-14 (mg/l)



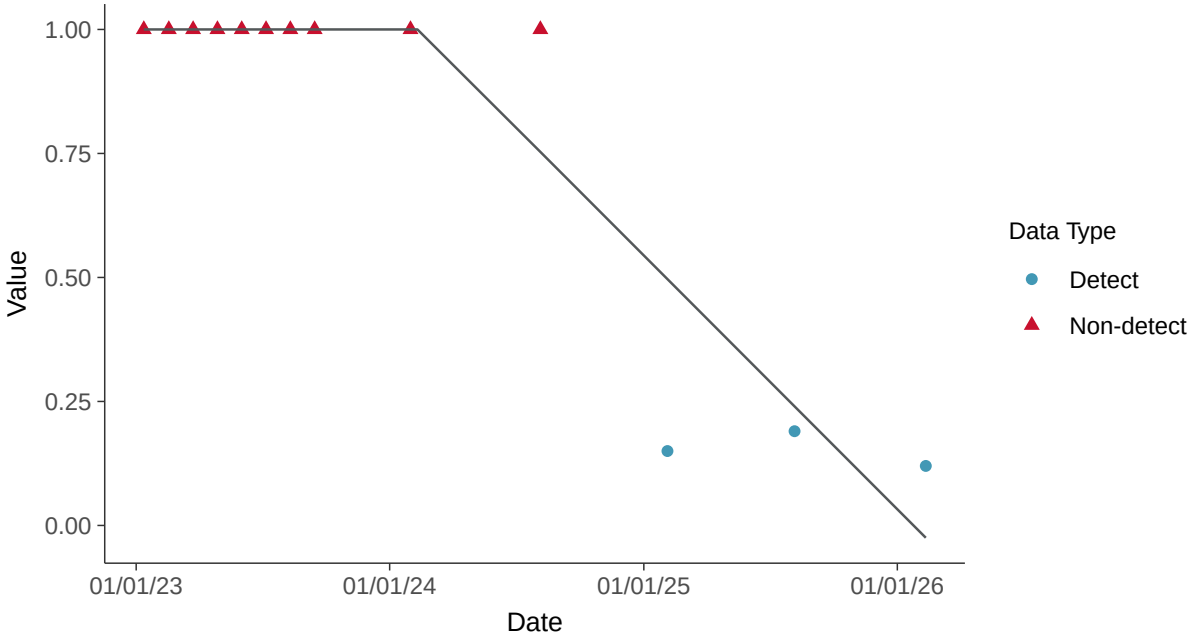
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-14 (mg/l)



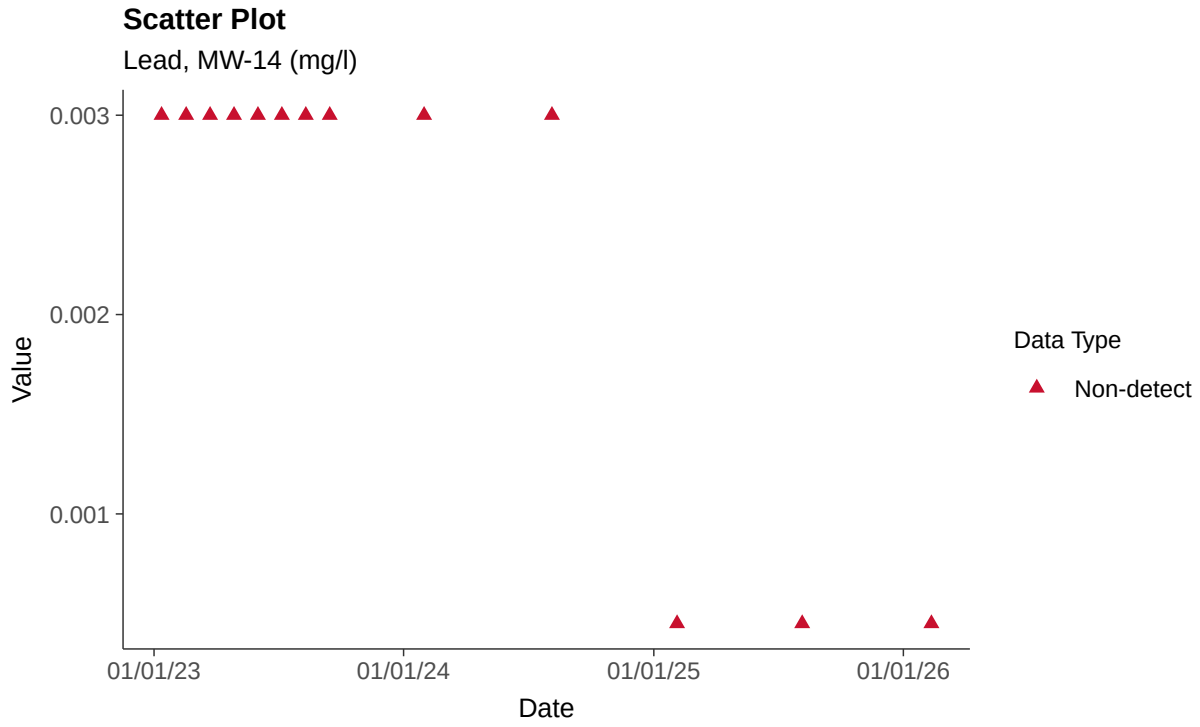
Trend Regression: Piecewise Linear-Linear

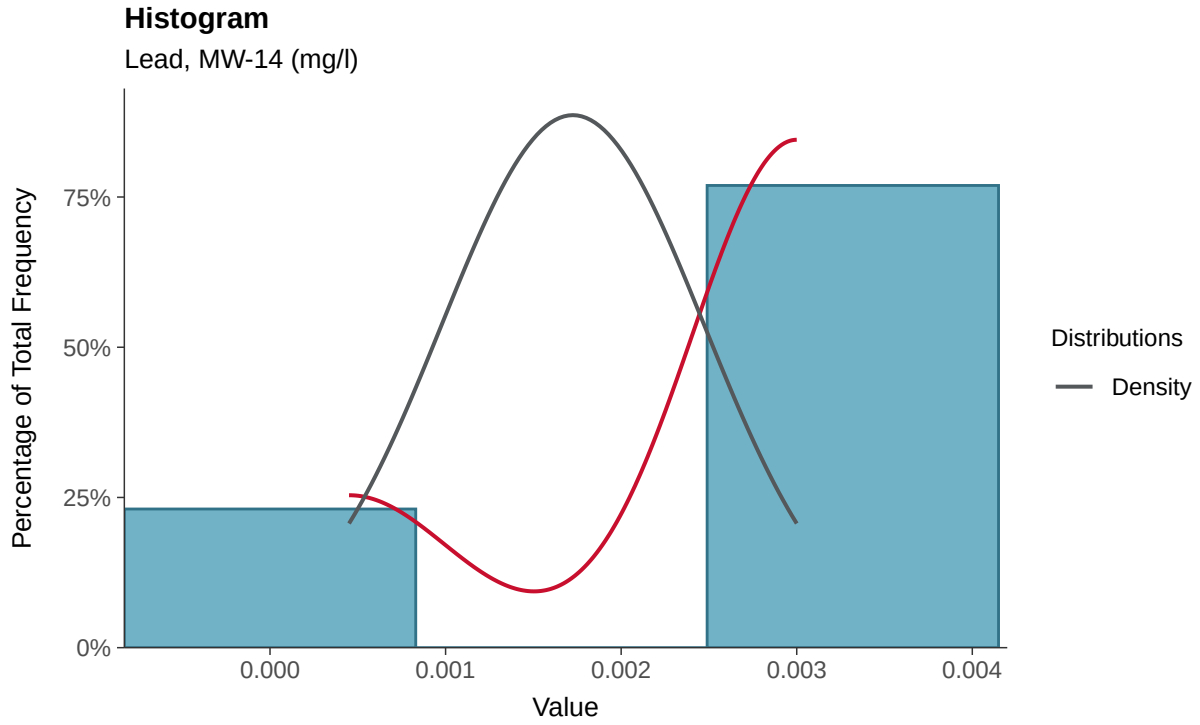
Fluoride (App IV), MW-14 (mg/l)



Appendix IV: Lead, MW-14

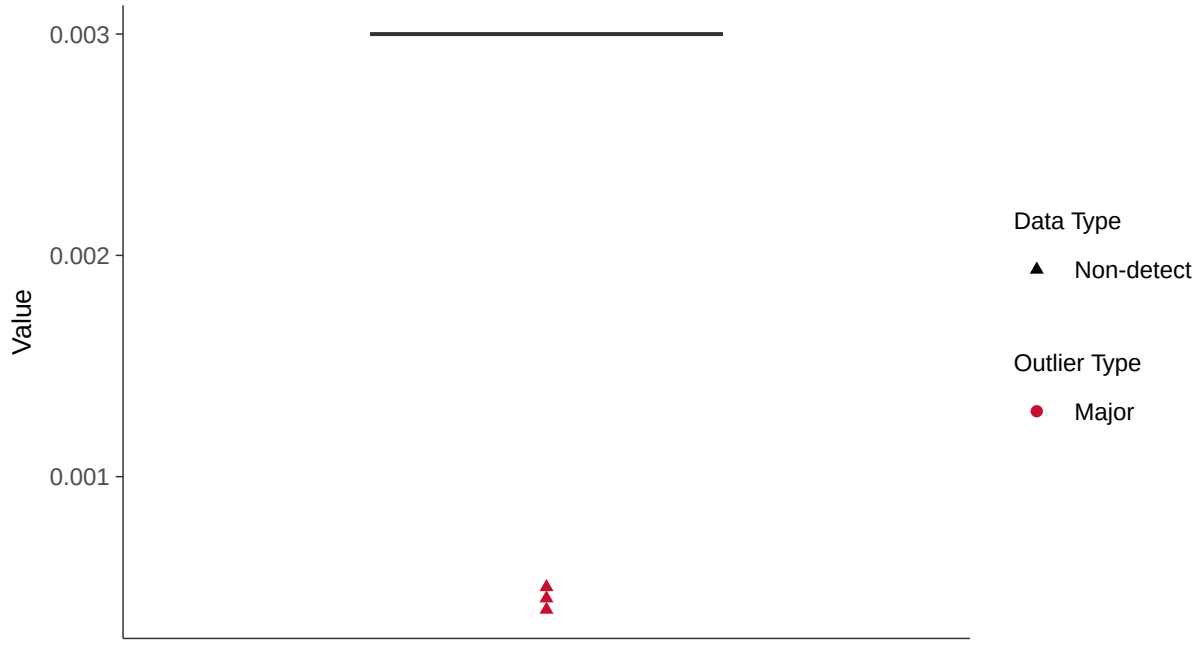
ID: 21_3_115





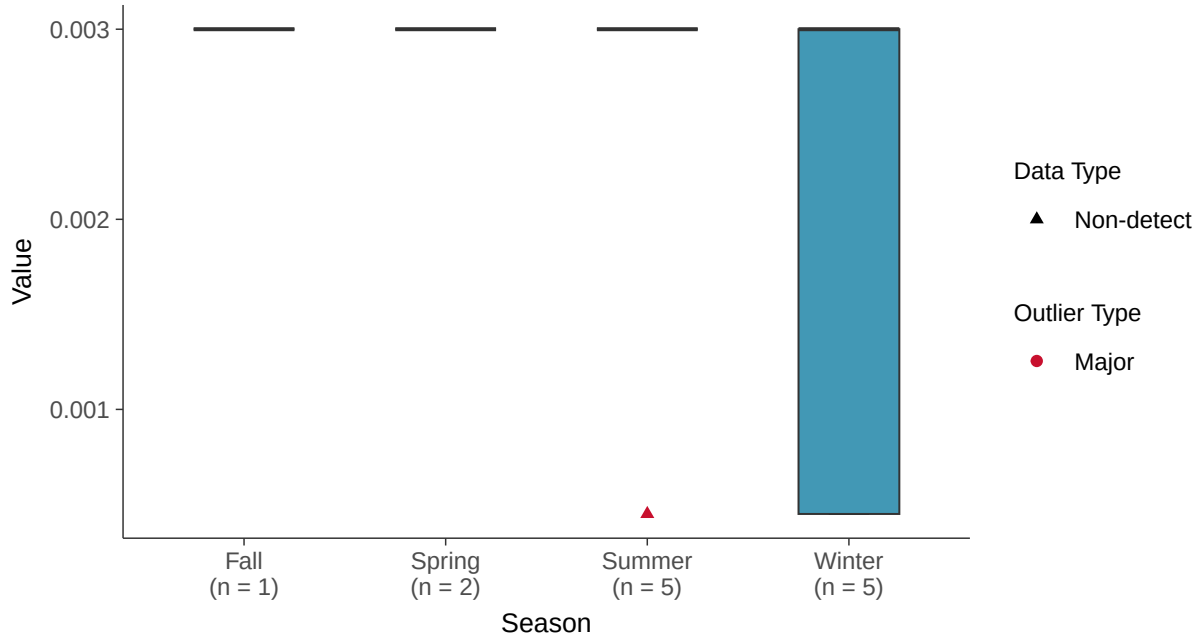
Boxplot

Lead, MW-14 (mg/l)



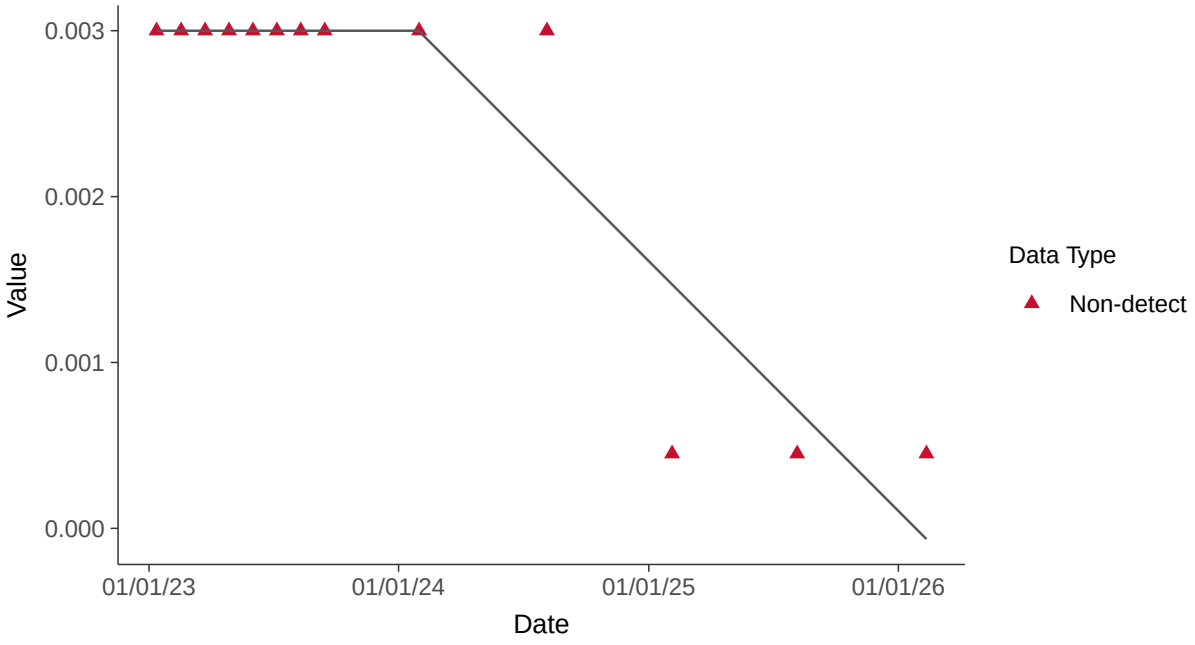
Boxplot by Season

Lead, MW-14 (mg/l)



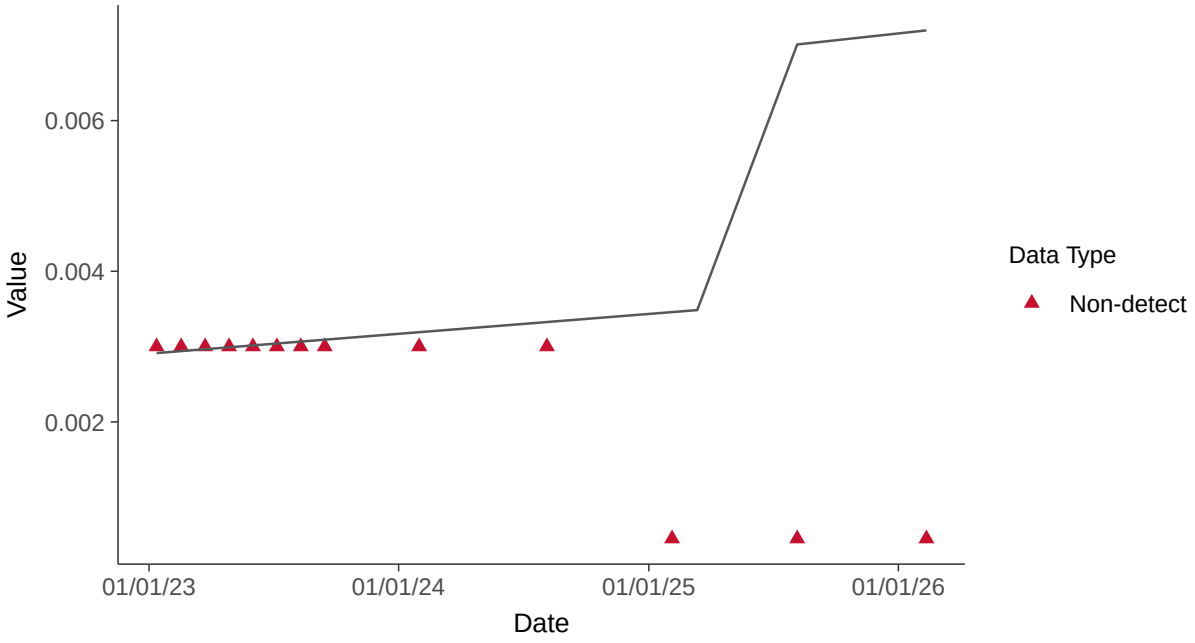
Trend Regression: Piecewise Linear-Linear

Lead, MW-14 (mg/l)



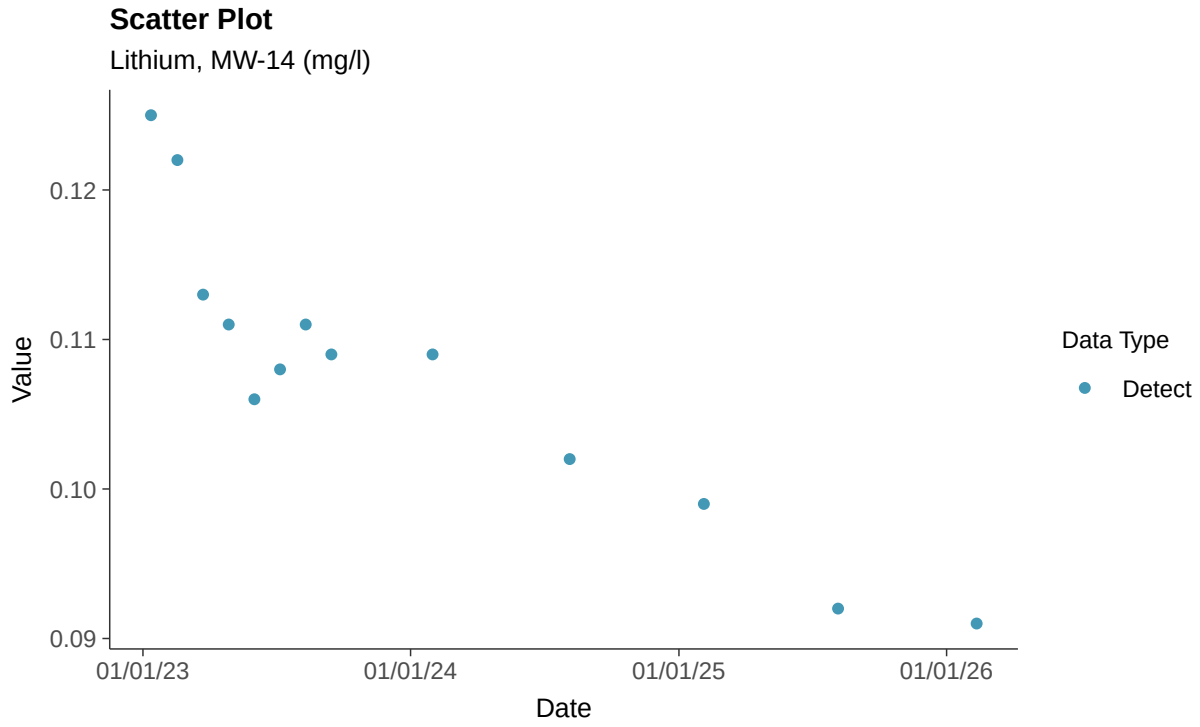
Trend Regression: Piecewise Linear-Linear-Linear

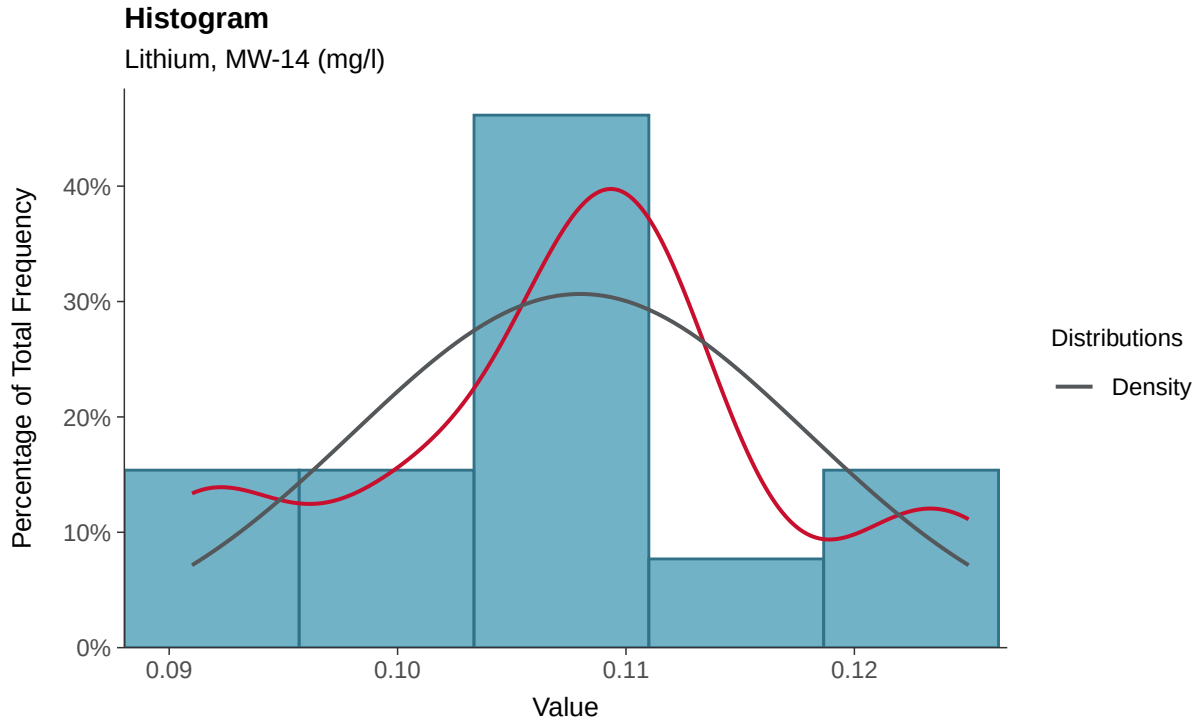
Lead, MW-14 (mg/l)



Appendix IV: Lithium, MW-14

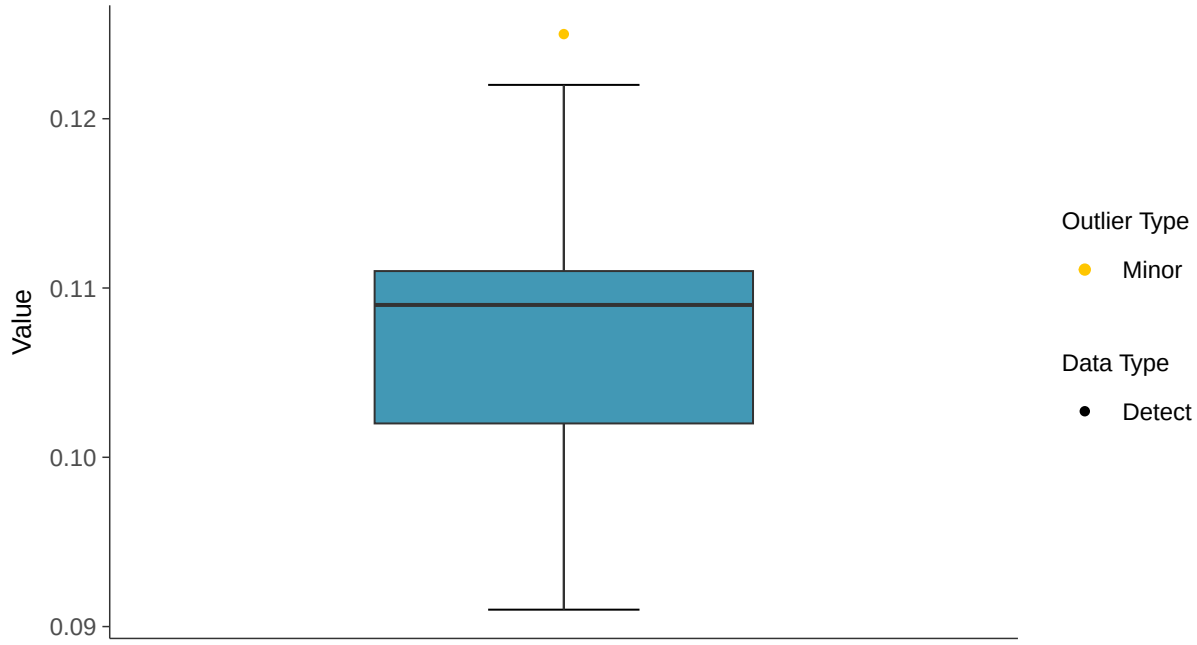
ID: 21_3_116





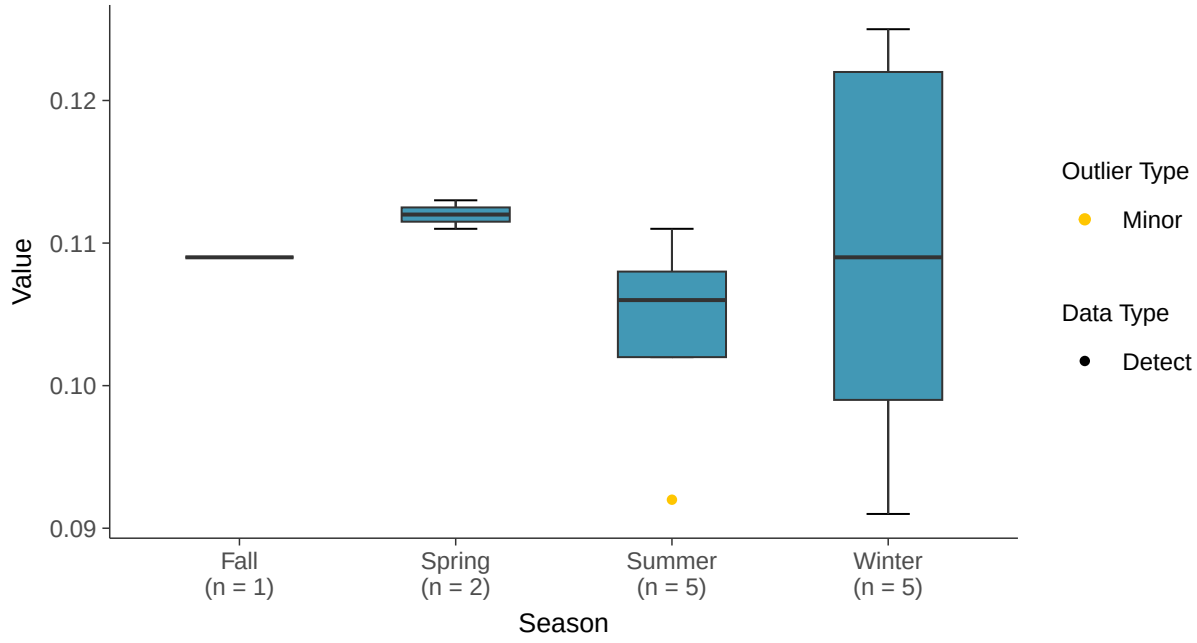
Boxplot

Lithium, MW-14 (mg/l)



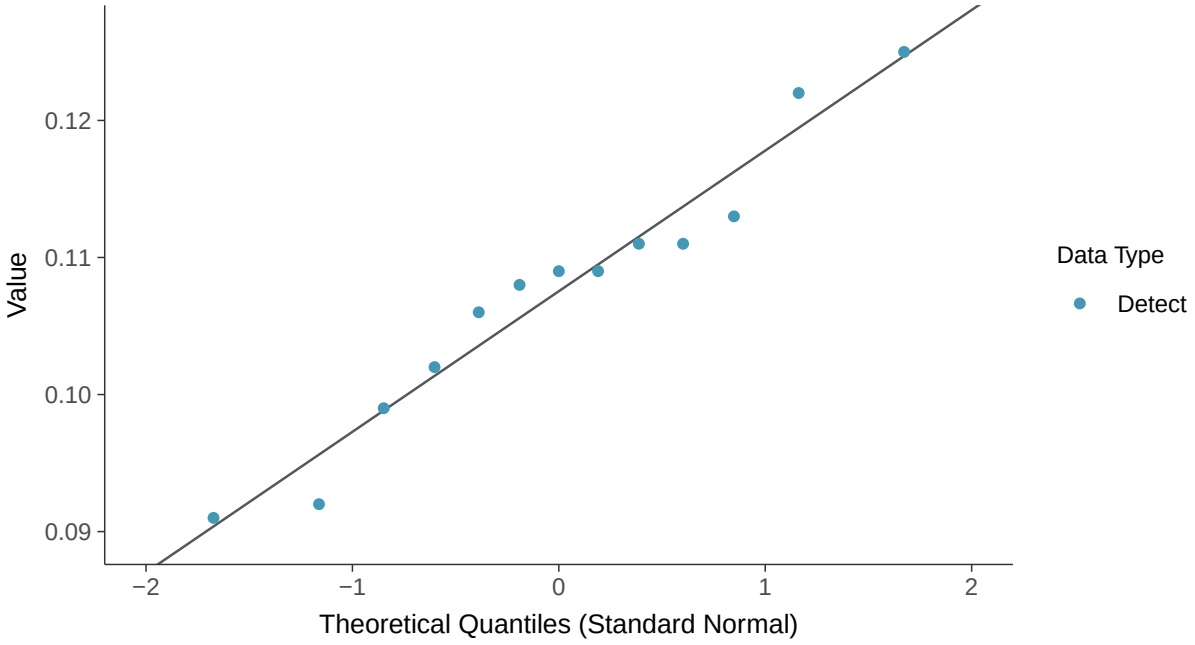
Boxplot by Season

Lithium, MW-14 (mg/l)



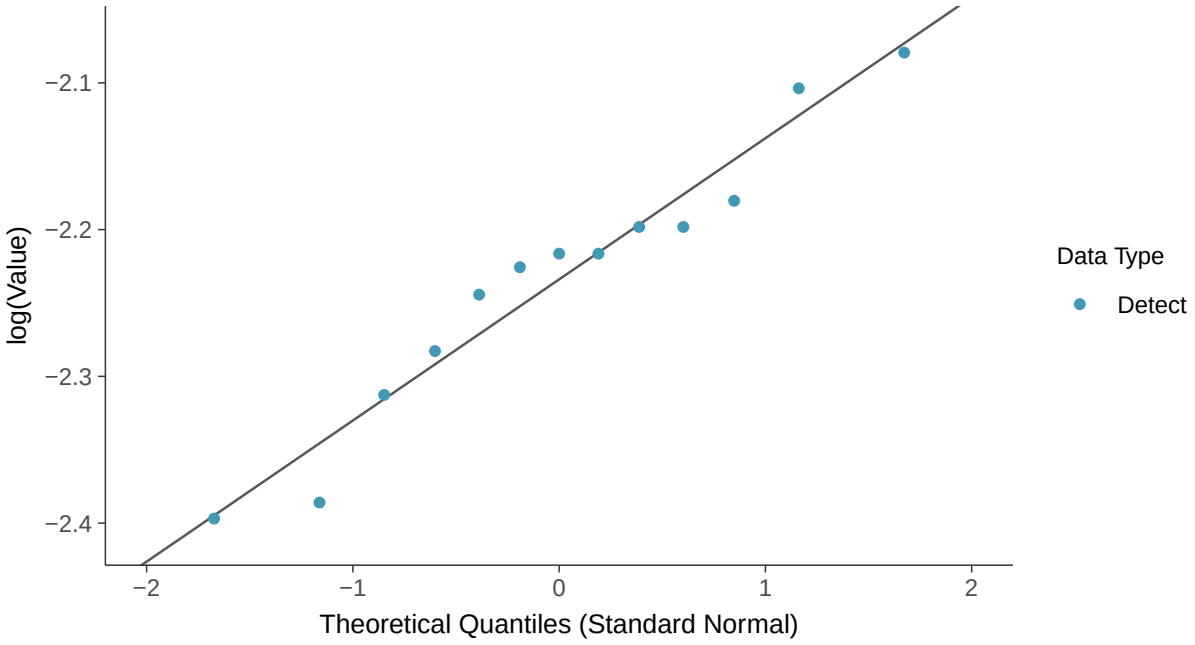
Normal Q-Q plot

Lithium, MW-14 (mg/l)



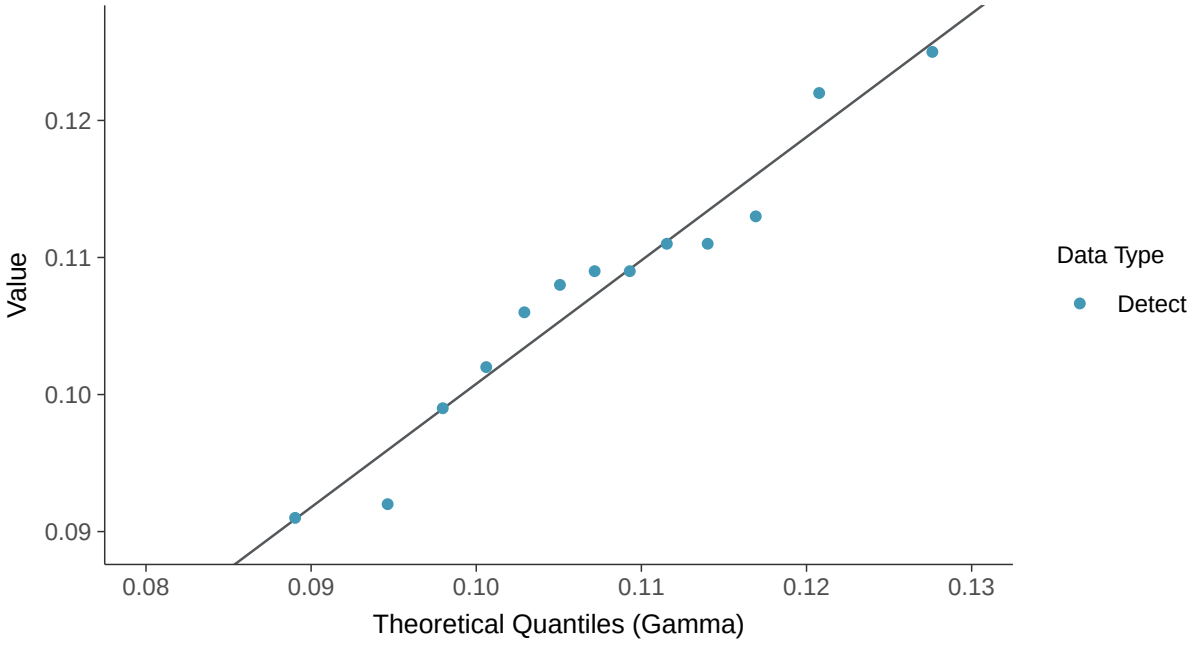
Lognormal Q-Q plot

Lithium, MW-14 (mg/l)



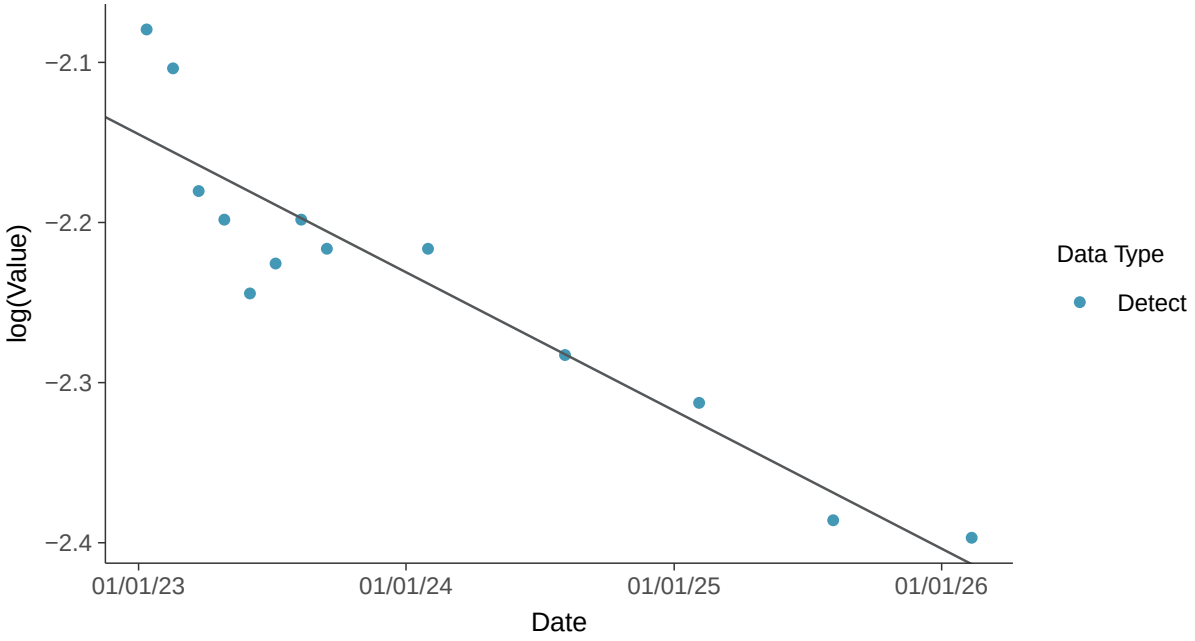
Gamma Q-Q plot

Lithium, MW-14 (mg/l)



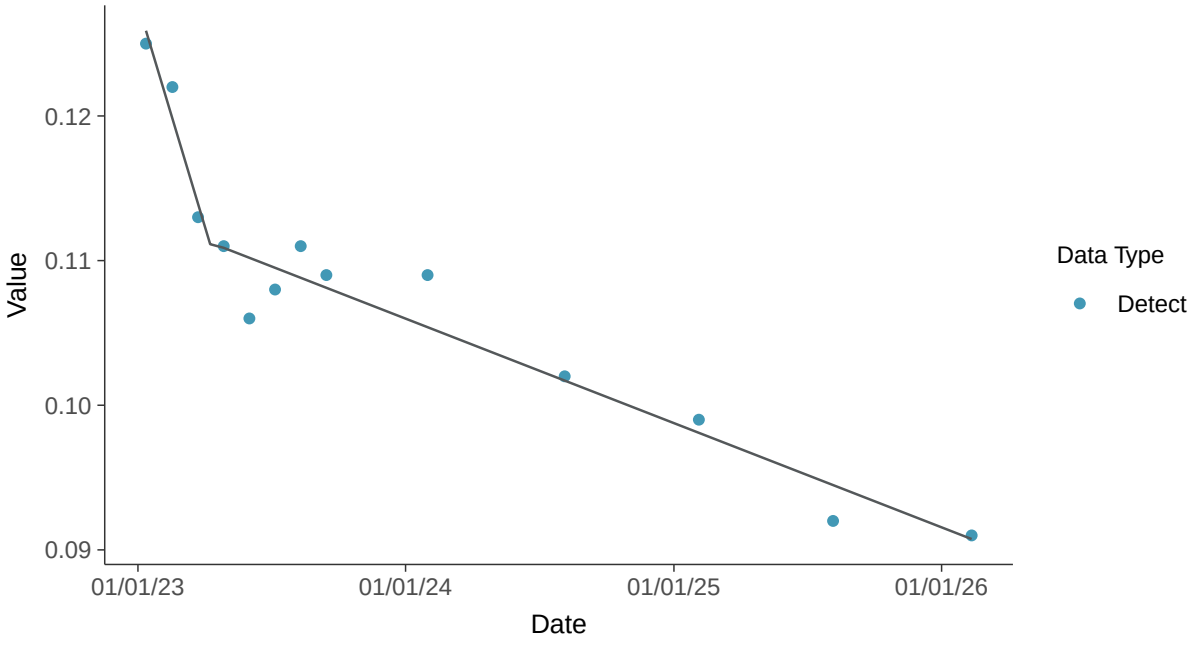
Trend Regression: Lognormal MLE

Lithium, MW-14 (mg/l)



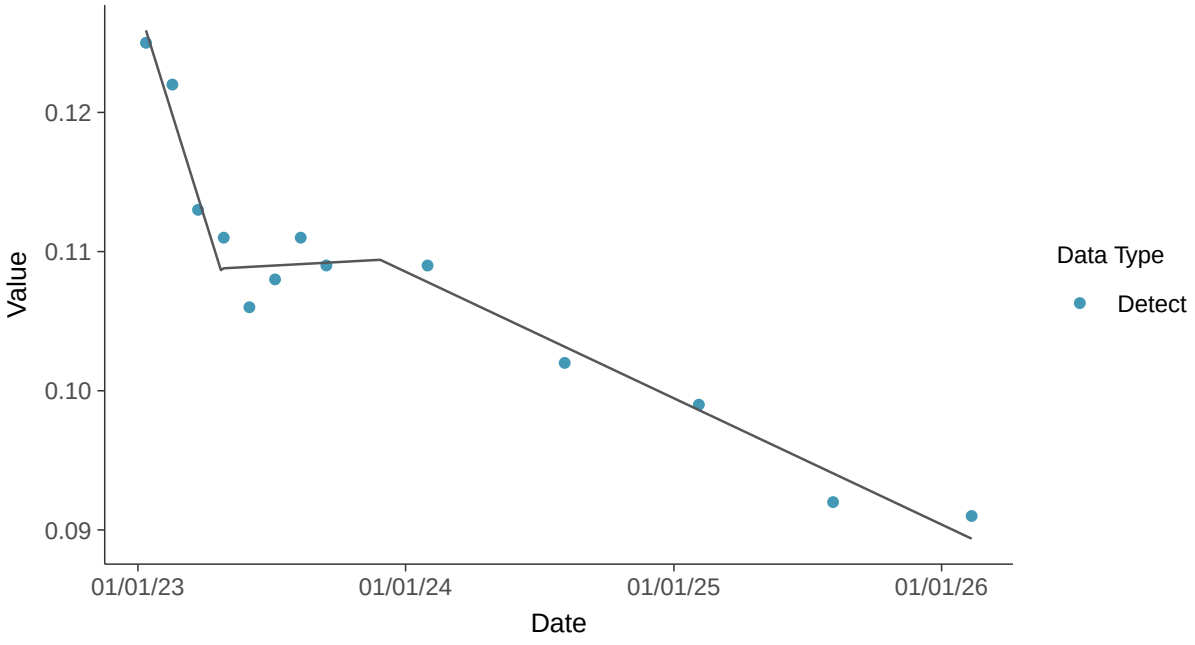
Trend Regression: Piecewise Linear-Linear

Lithium, MW-14 (mg/l)



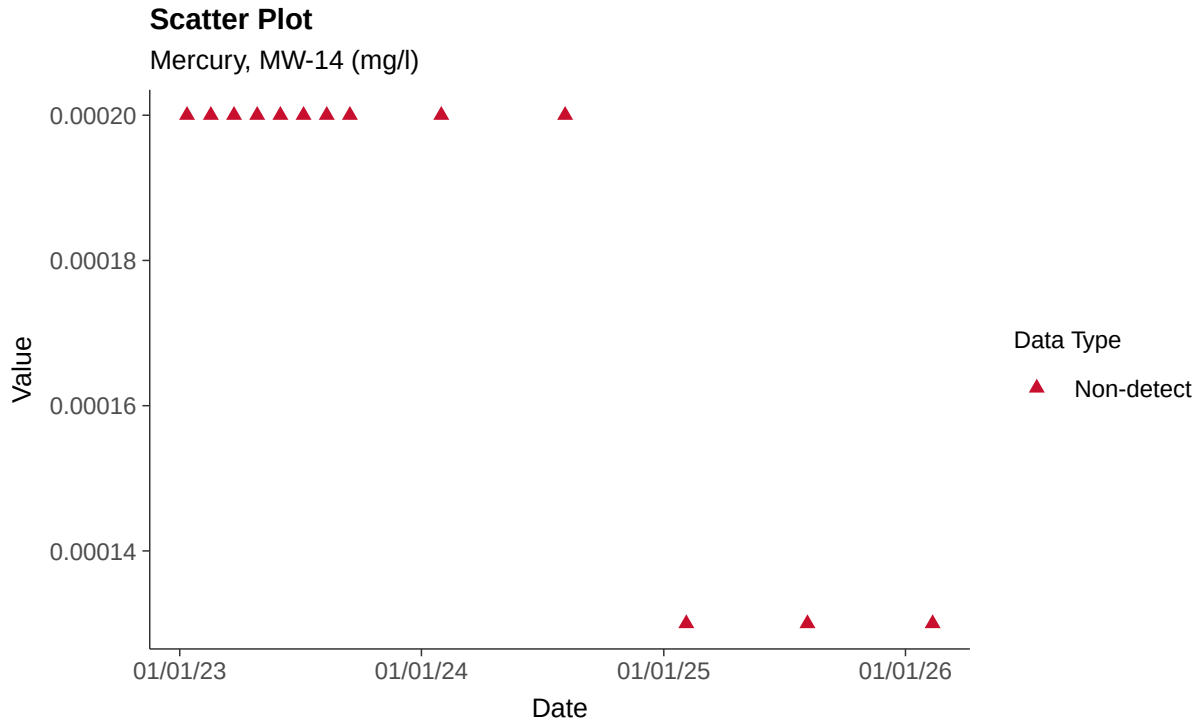
Trend Regression: Piecewise Linear-Linear-Linear

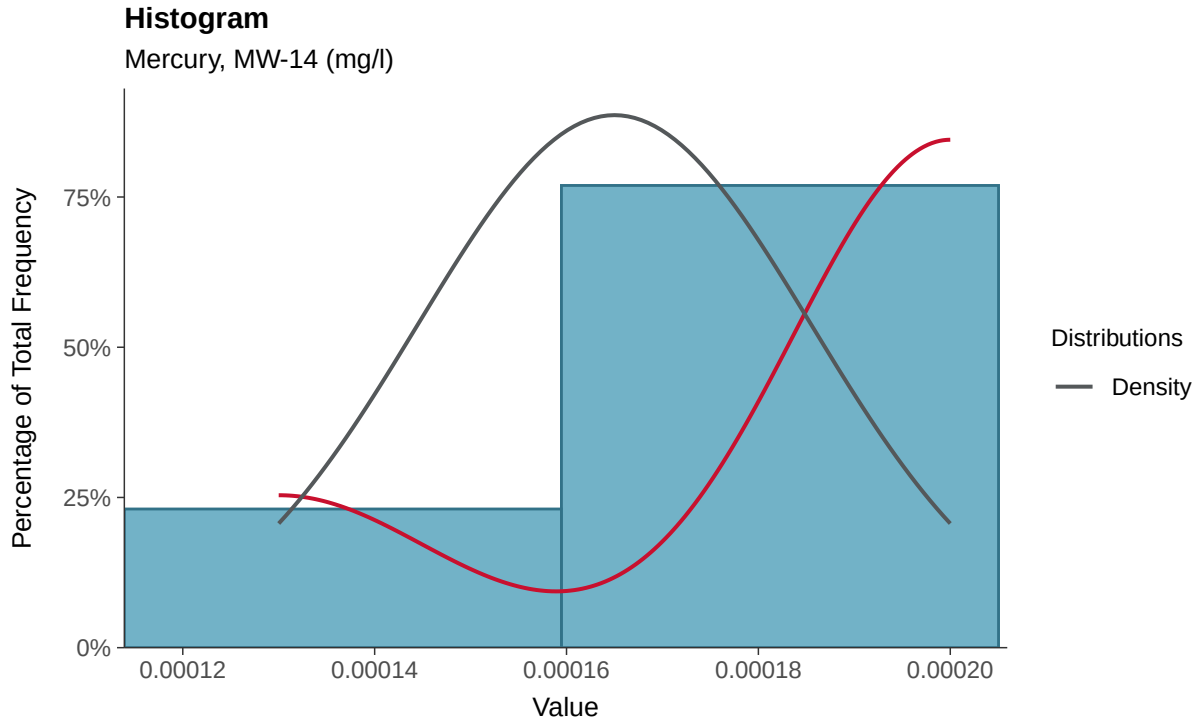
Lithium, MW-14 (mg/l)



Appendix IV: Mercury, MW-14

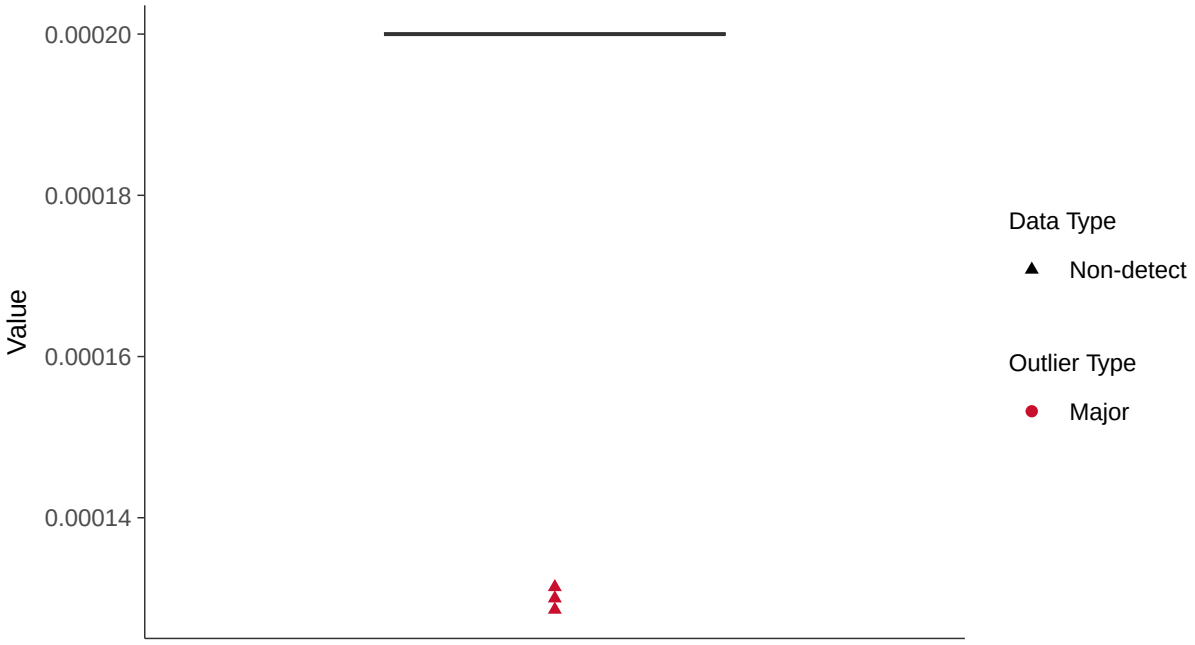
ID: 21_3_117





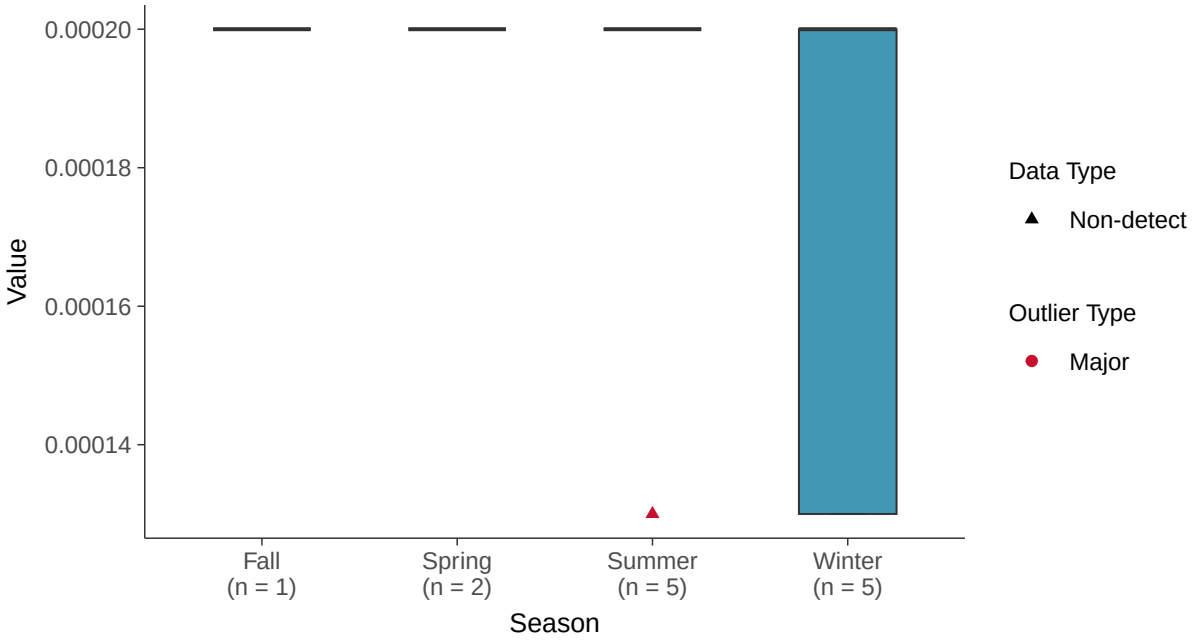
Boxplot

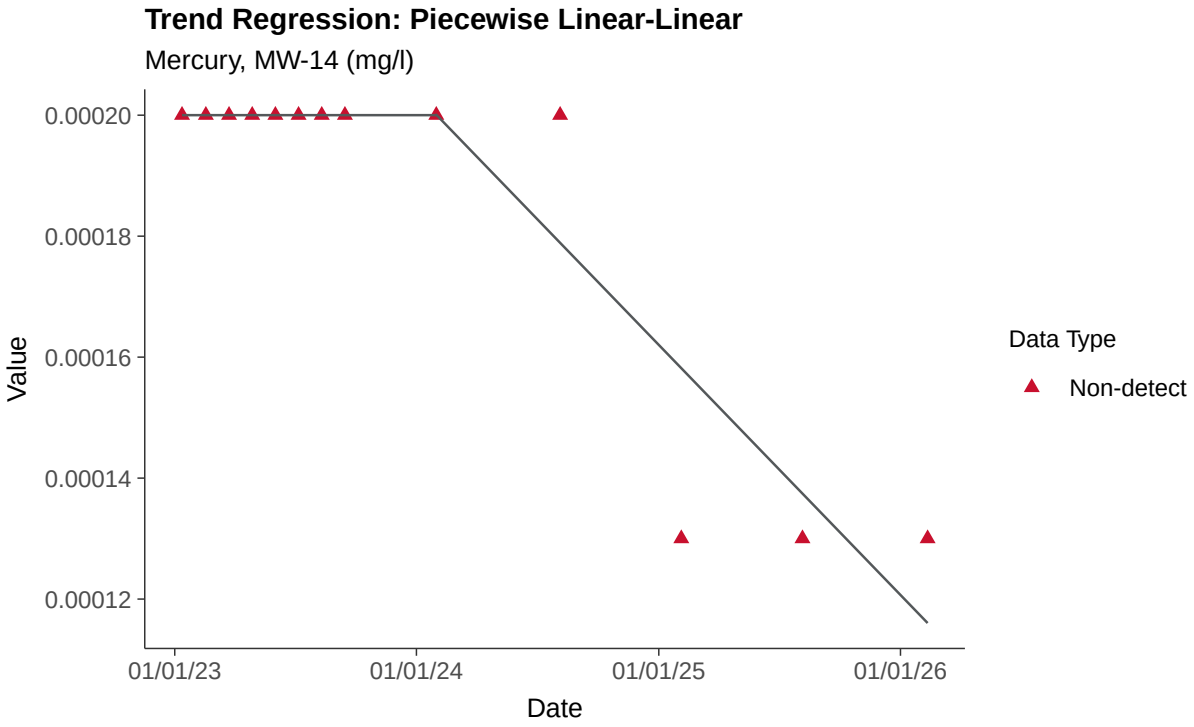
Mercury, MW-14 (mg/l)



Boxplot by Season

Mercury, MW-14 (mg/l)



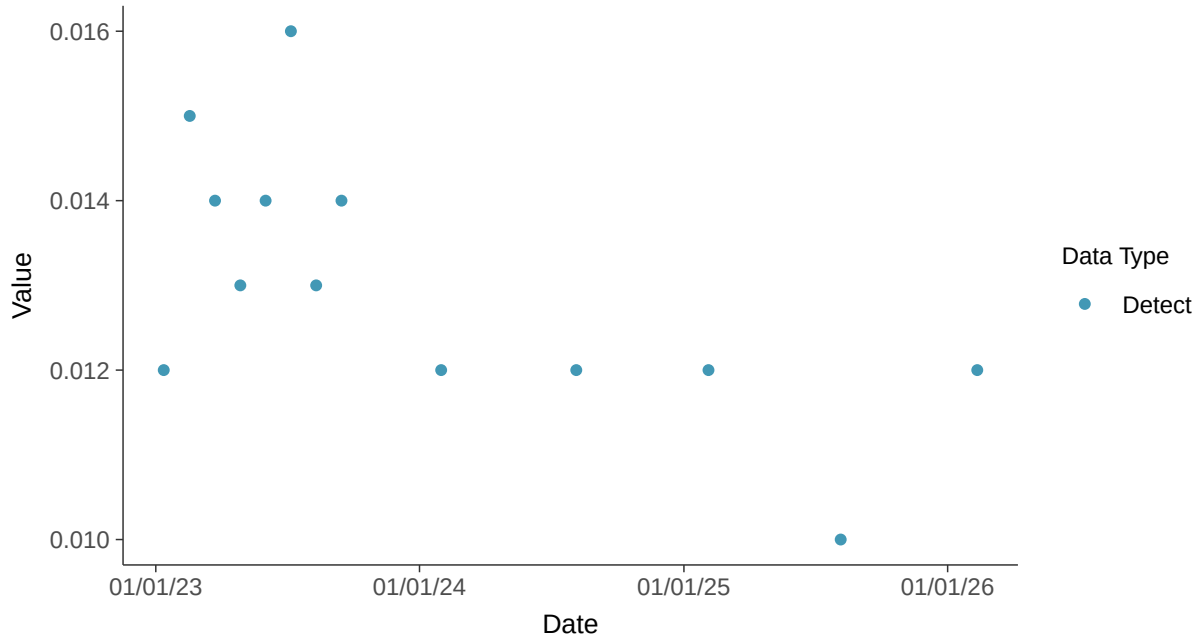

Trend Regression: Piecewise Linear-Linear
Mercury, MW-14 (mg/l)
Value
0.00020
0.00018
0.00016
0.00014
0.00012
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Molybdenum, MW-14

ID: 21_3_118

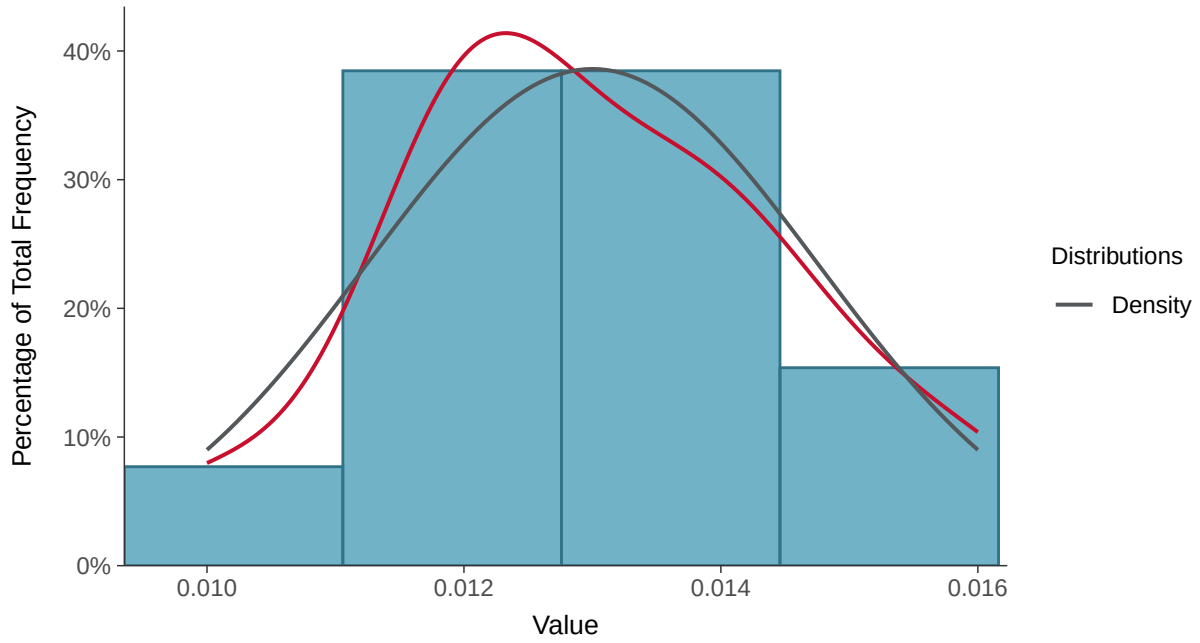
Scatter Plot

Molybdenum, MW-14 (mg/l)



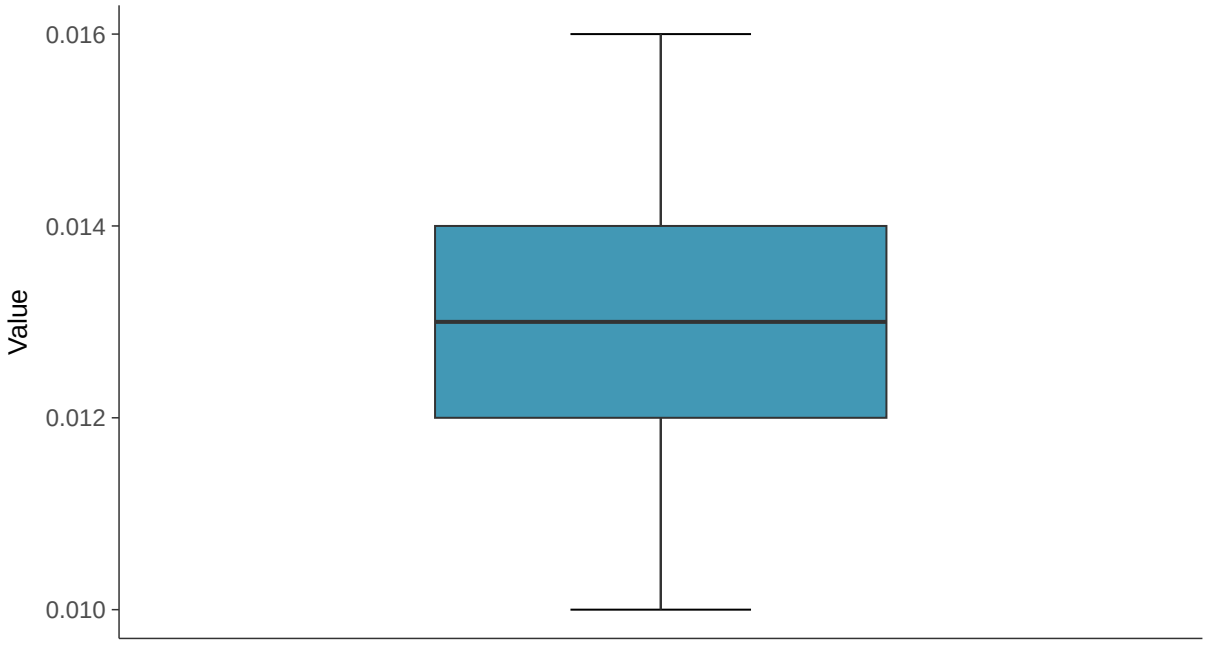
Histogram

Molybdenum, MW-14 (mg/l)



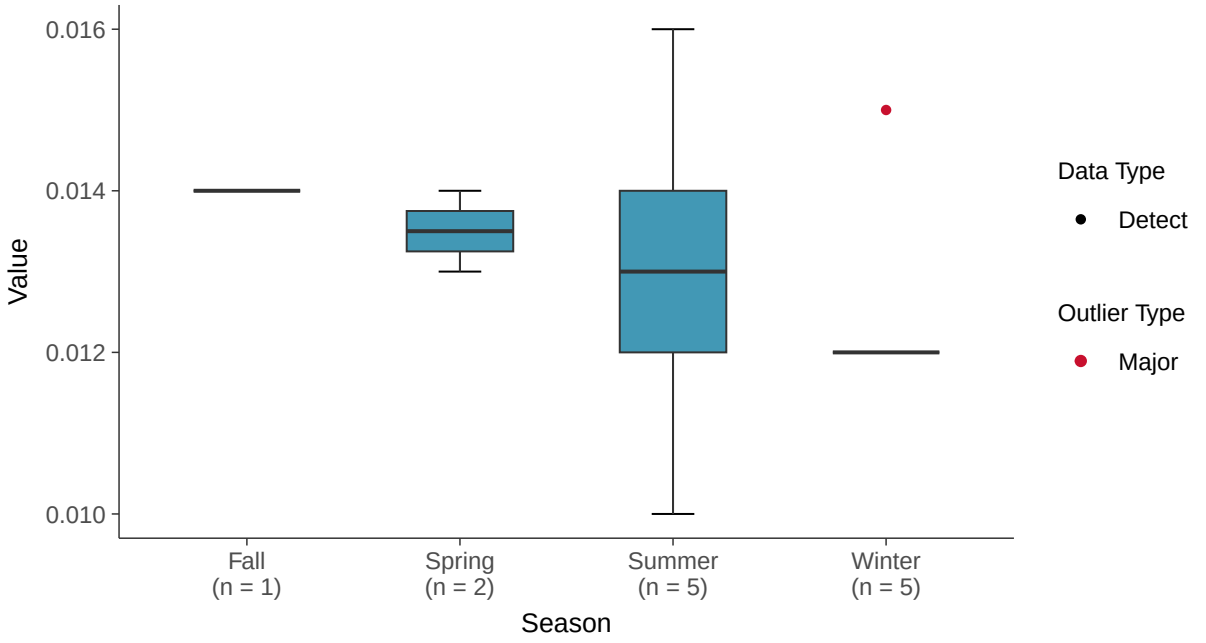
Boxplot

Molybdenum, MW-14 (mg/l)



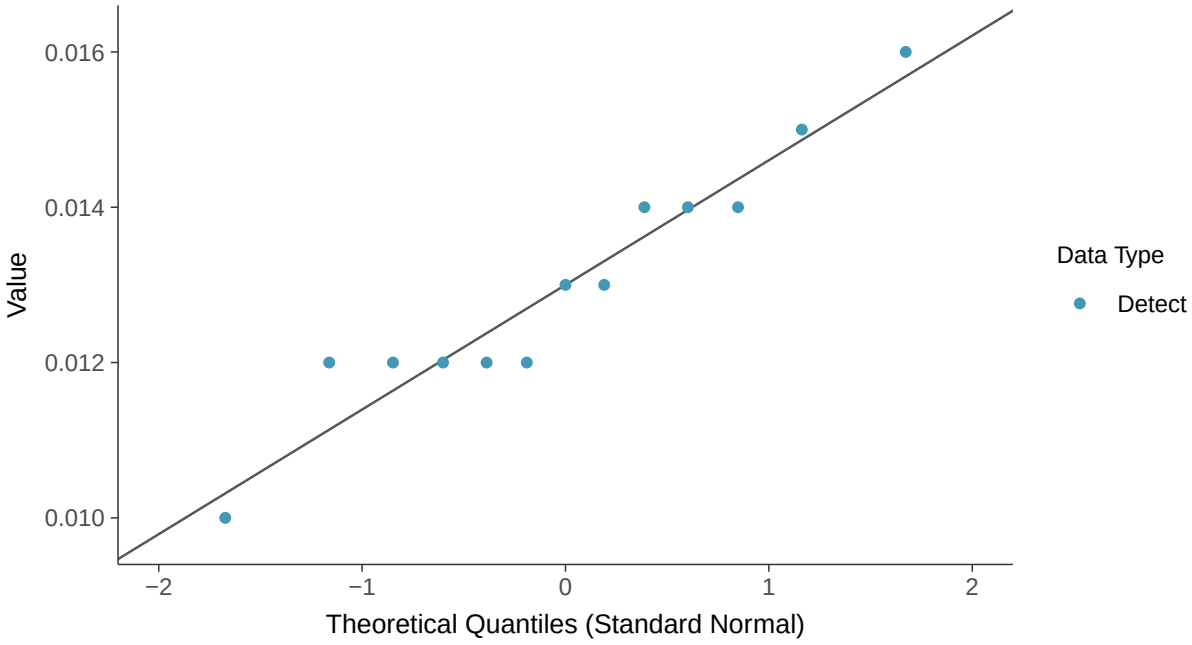
Boxplot by Season

Molybdenum, MW-14 (mg/l)



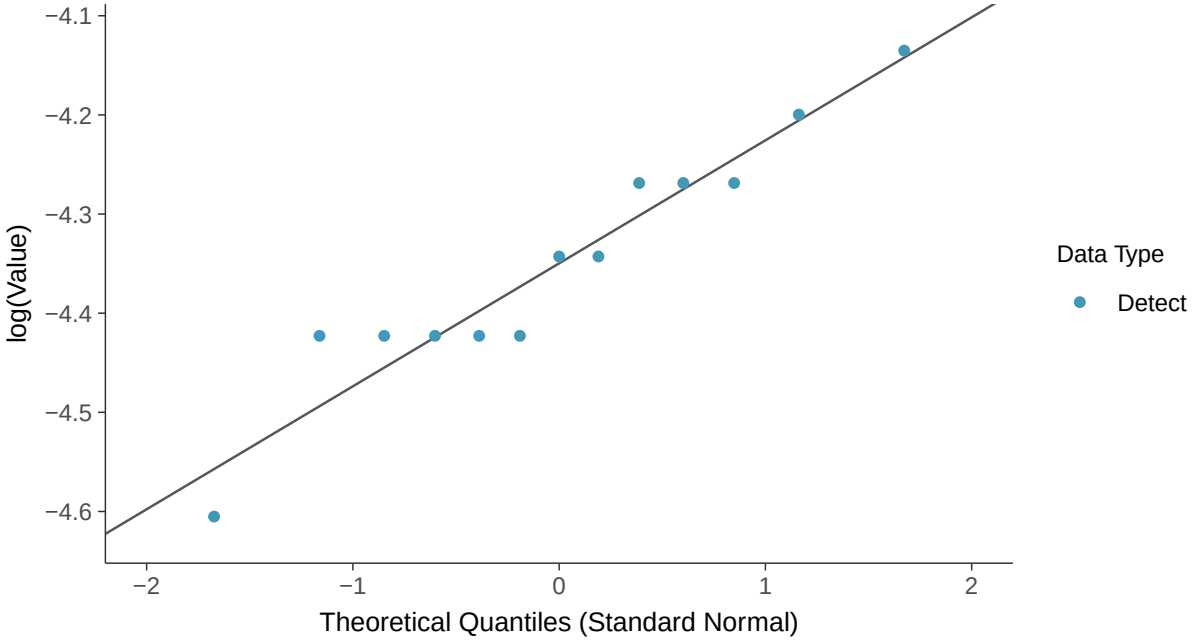
Normal Q-Q plot

Molybdenum, MW-14 (mg/l)



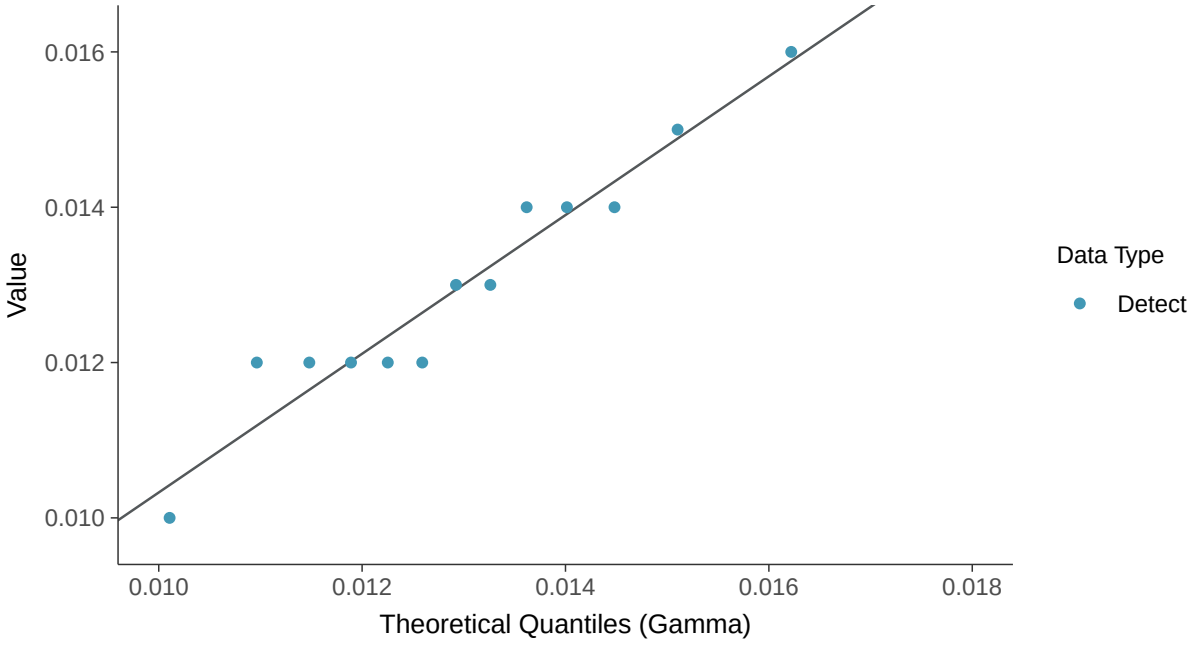
Lognormal Q-Q plot

Molybdenum, MW-14 (mg/l)



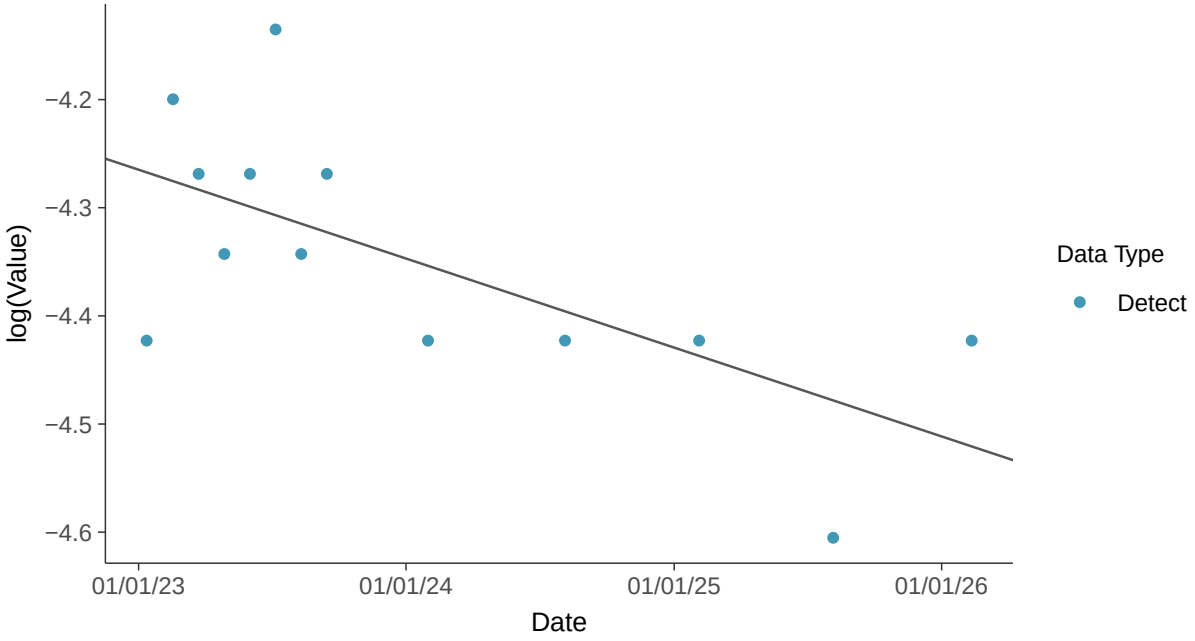
Gamma Q-Q plot

Molybdenum, MW-14 (mg/l)



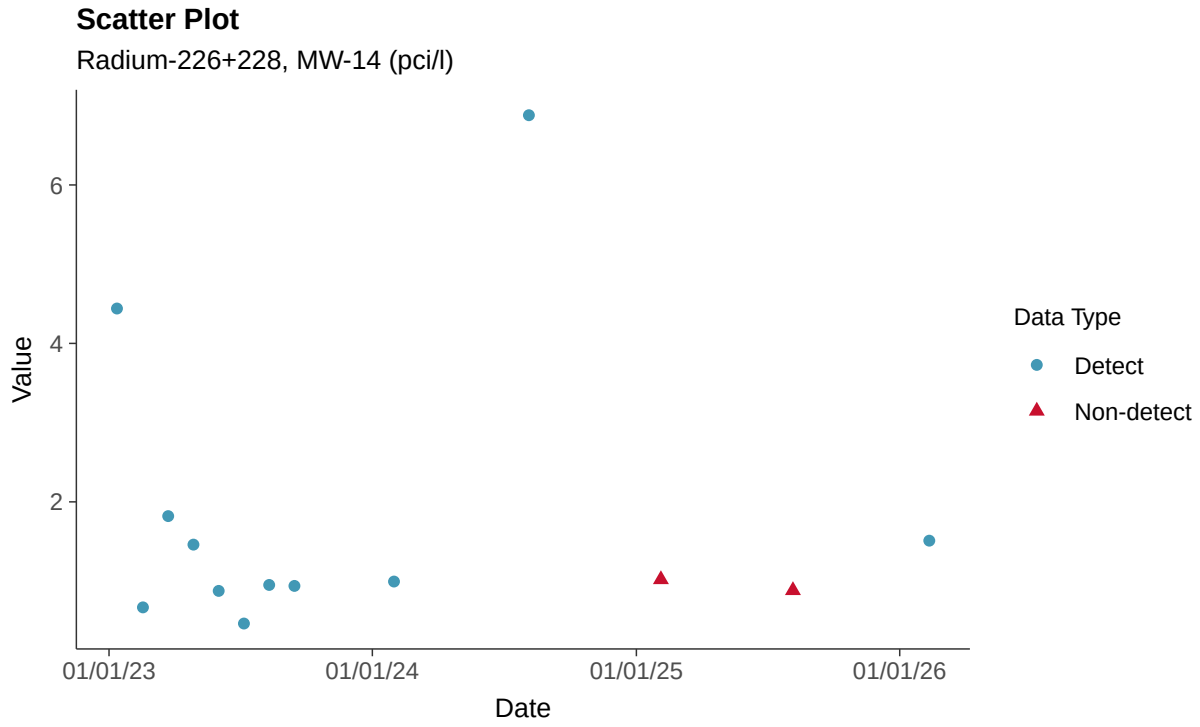
Trend Regression: Lognormal MLE

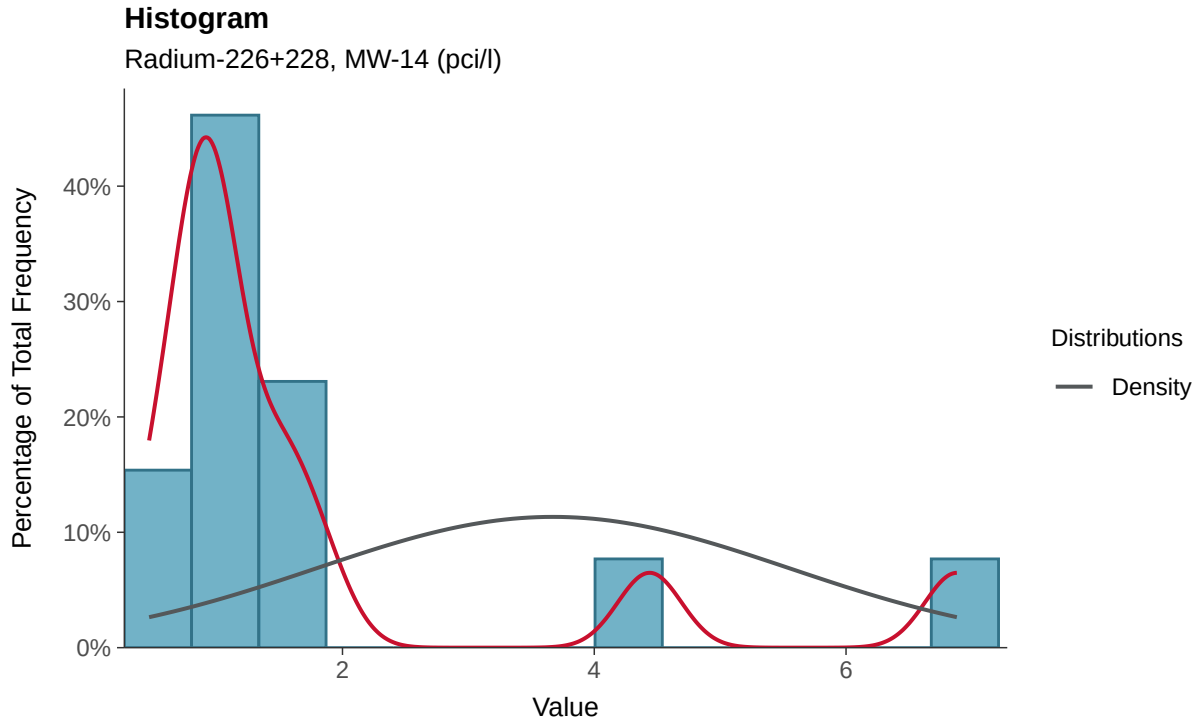
Molybdenum, MW-14 (mg/l)



Appendix IV: Radium-226+228, MW-14

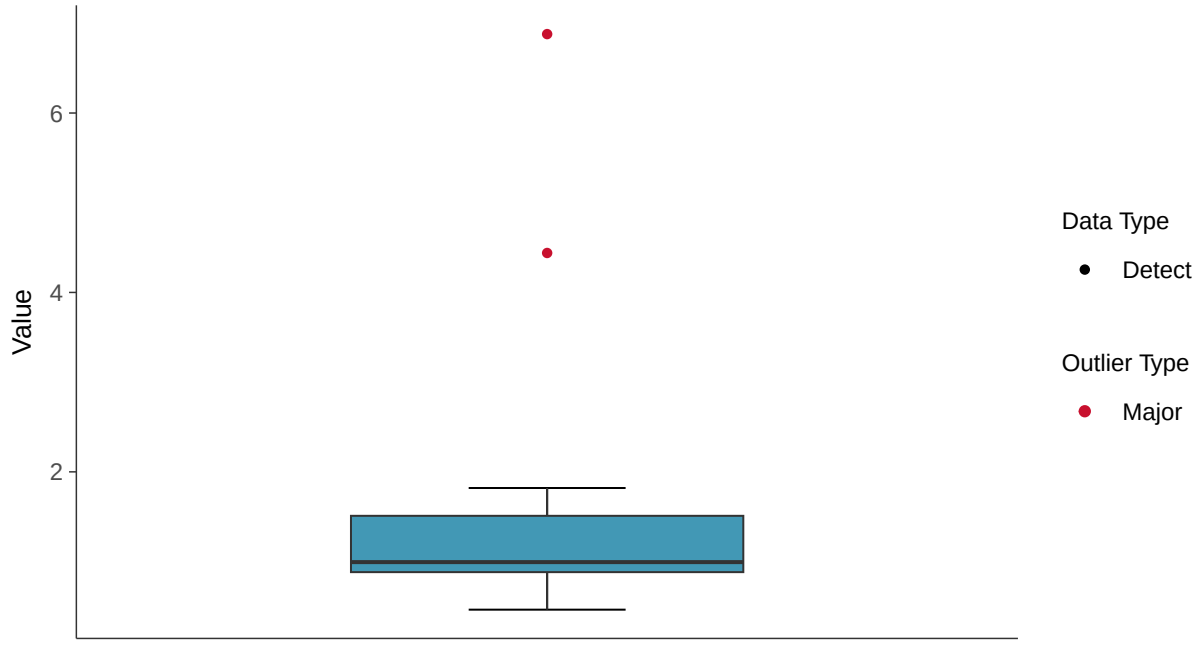
ID: 21_3_121





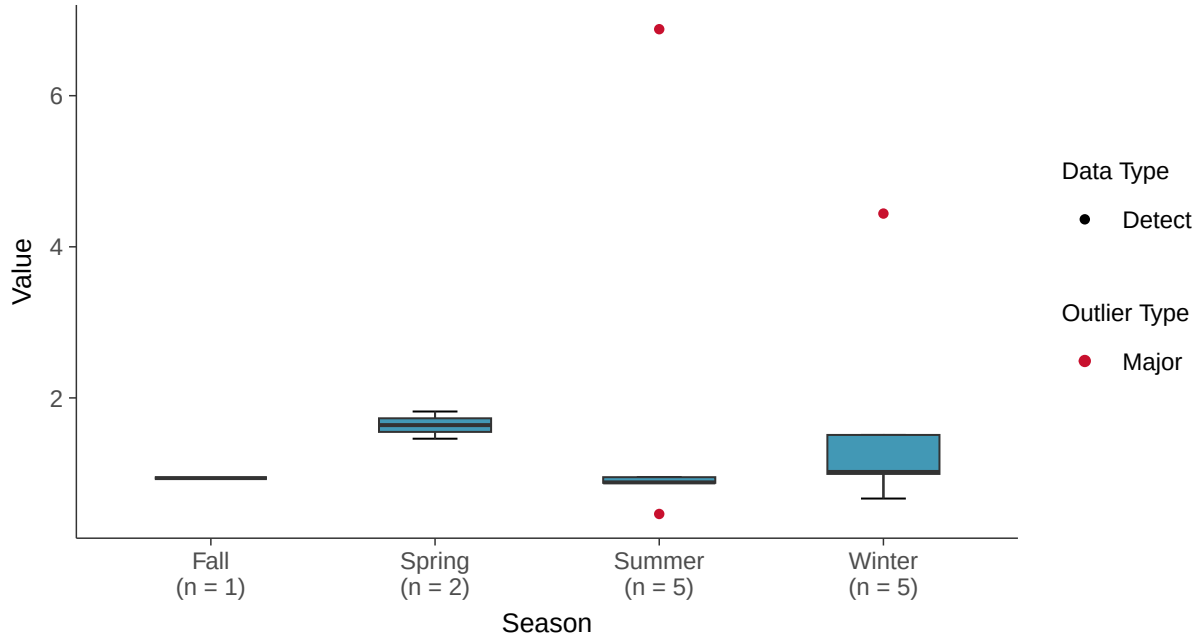
Boxplot

Radium-226+228, MW-14 (pci/l)



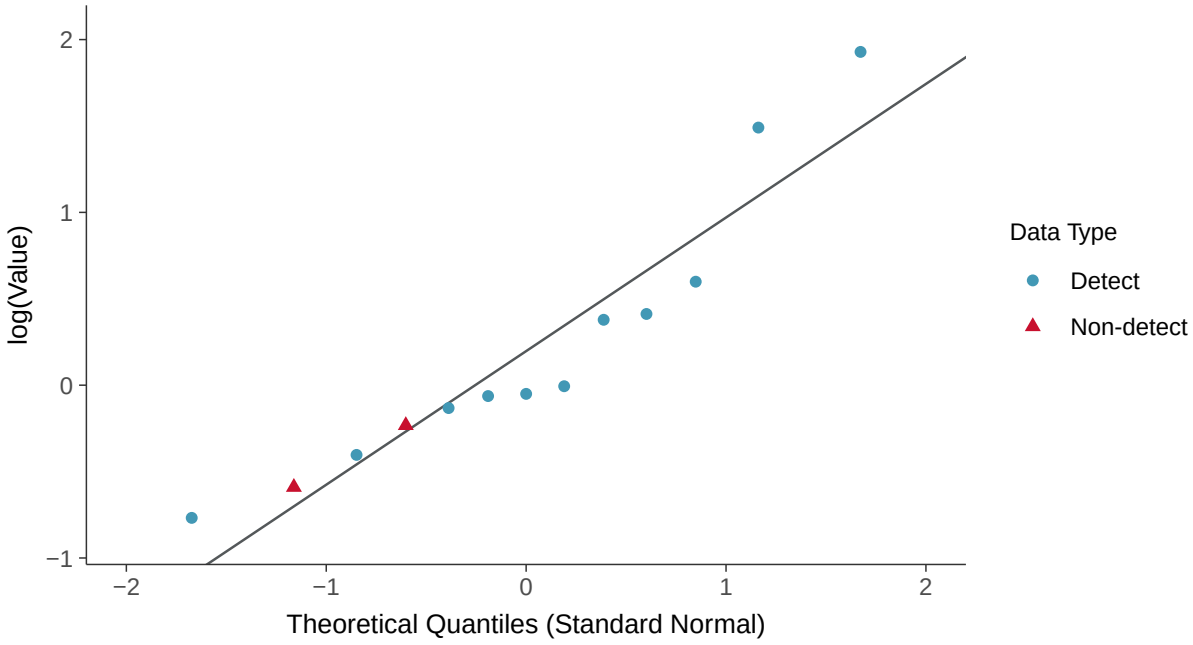
Boxplot by Season

Radium-226+228, MW-14 (pci/l)



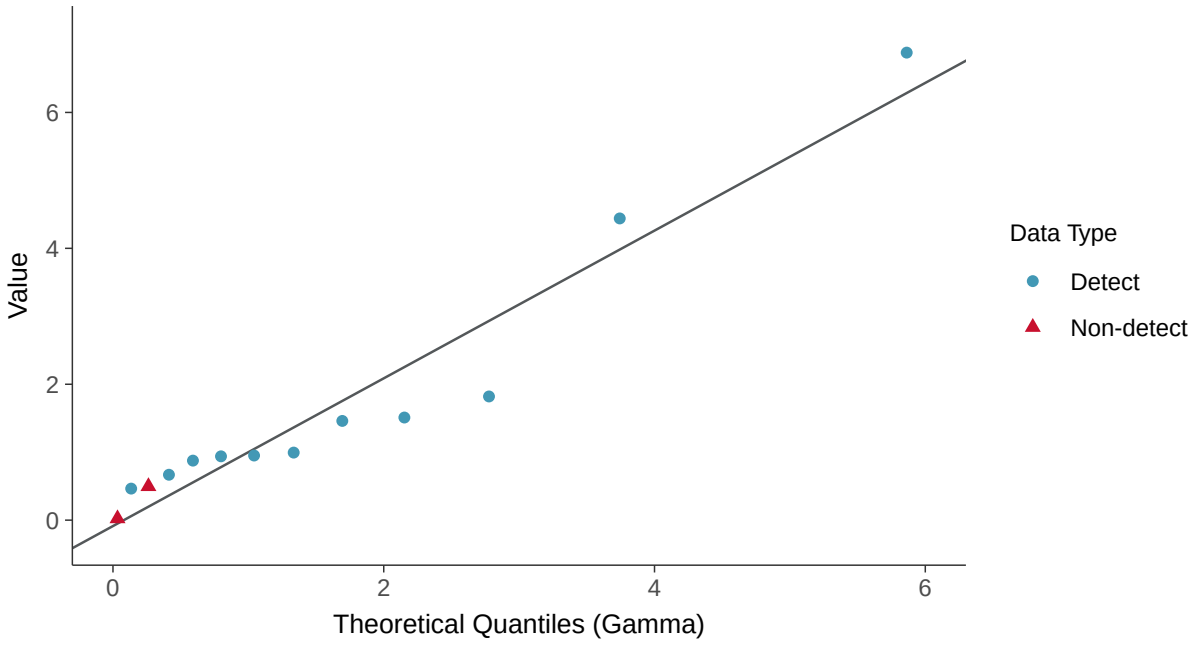
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-14 (pci/l)



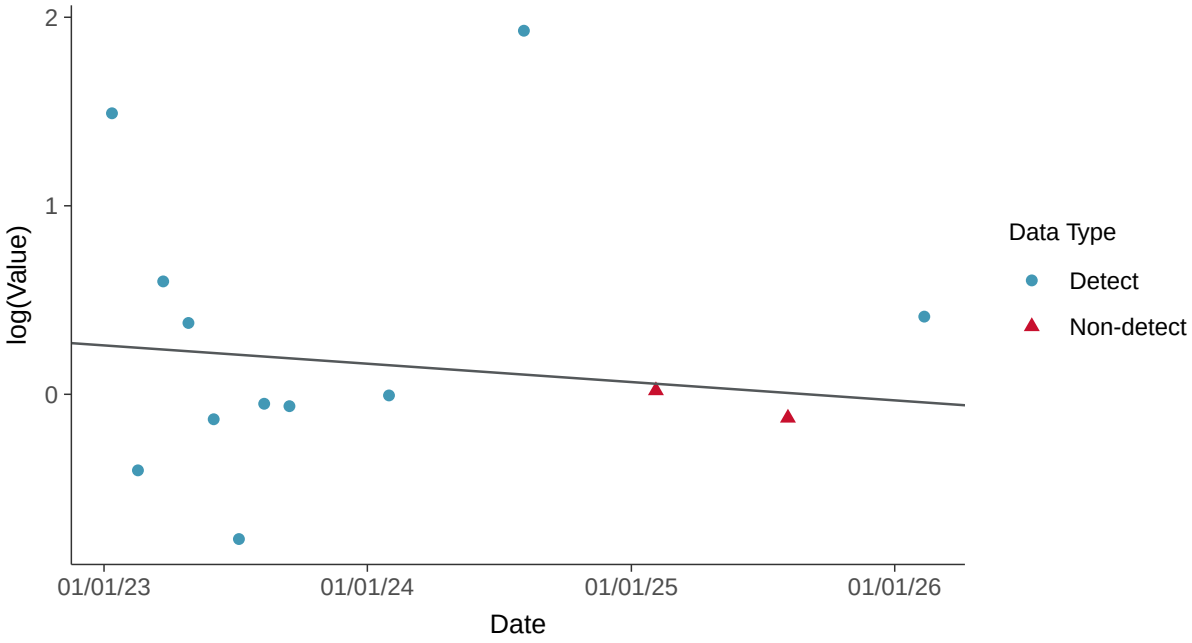
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-14 (pci/l)



Trend Regression: Lognormal MLE

Radium-226+228, MW-14 (pci/l)

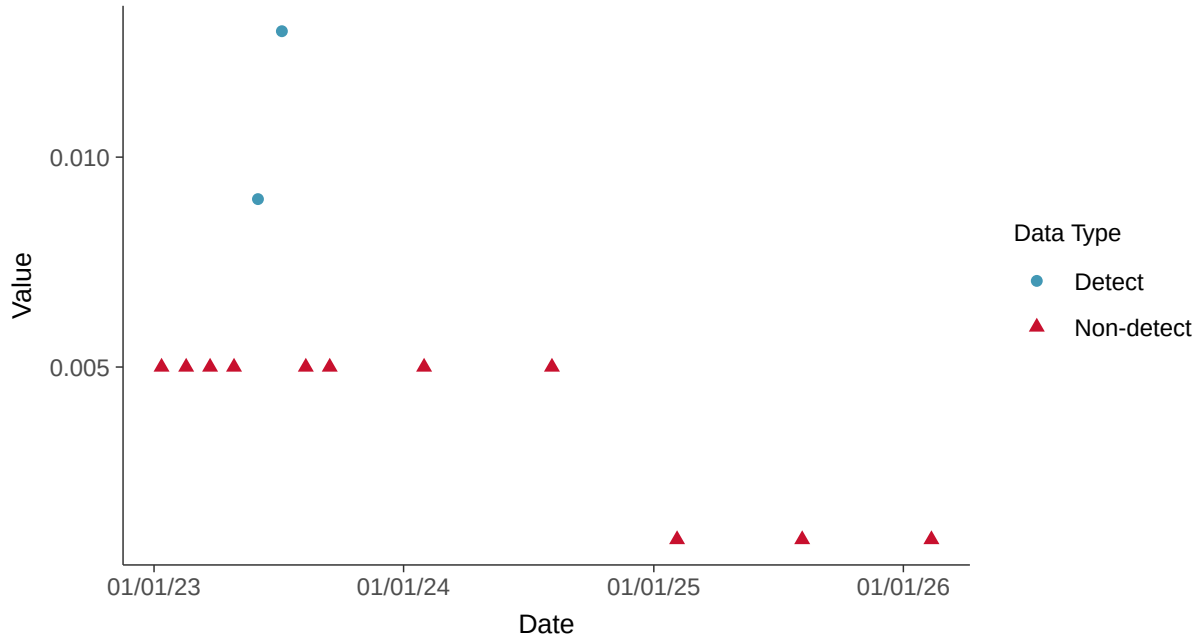


Appendix IV: Selenium, MW-14

ID: 21_3_122

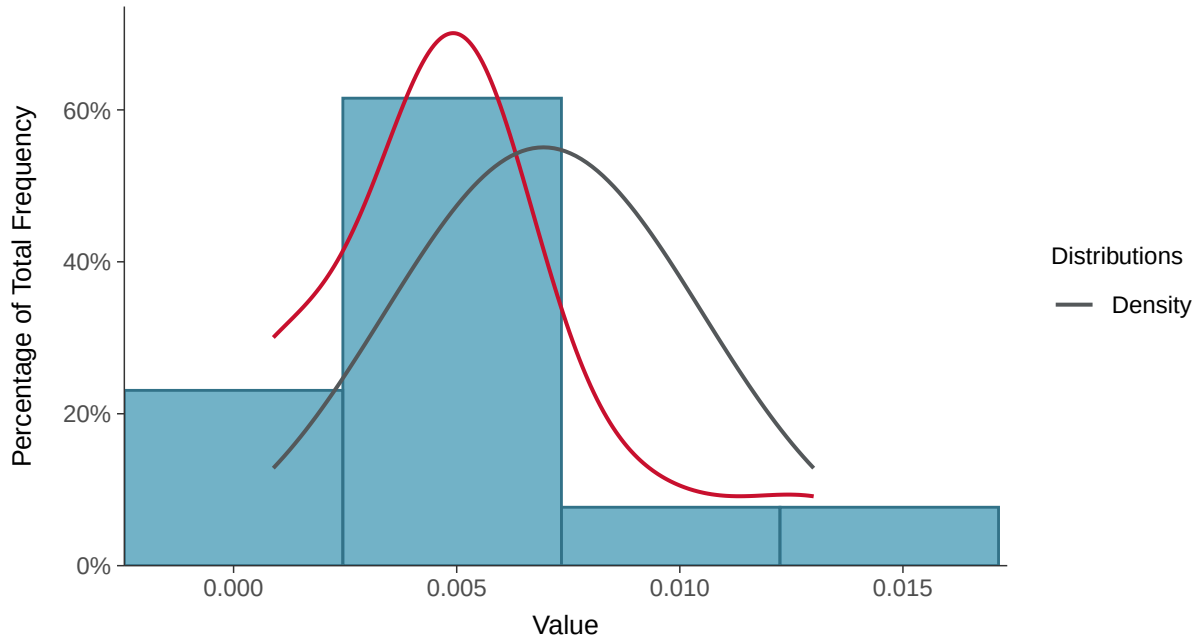
Scatter Plot

Selenium, MW-14 (mg/l)



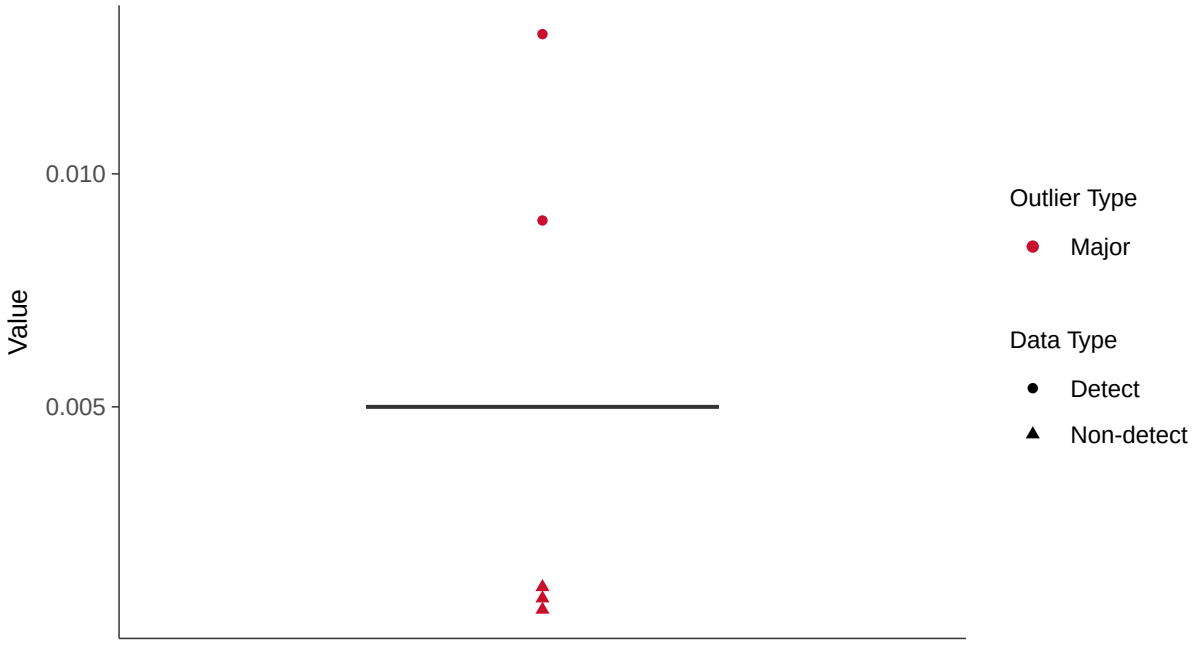
Histogram

Selenium, MW-14 (mg/l)



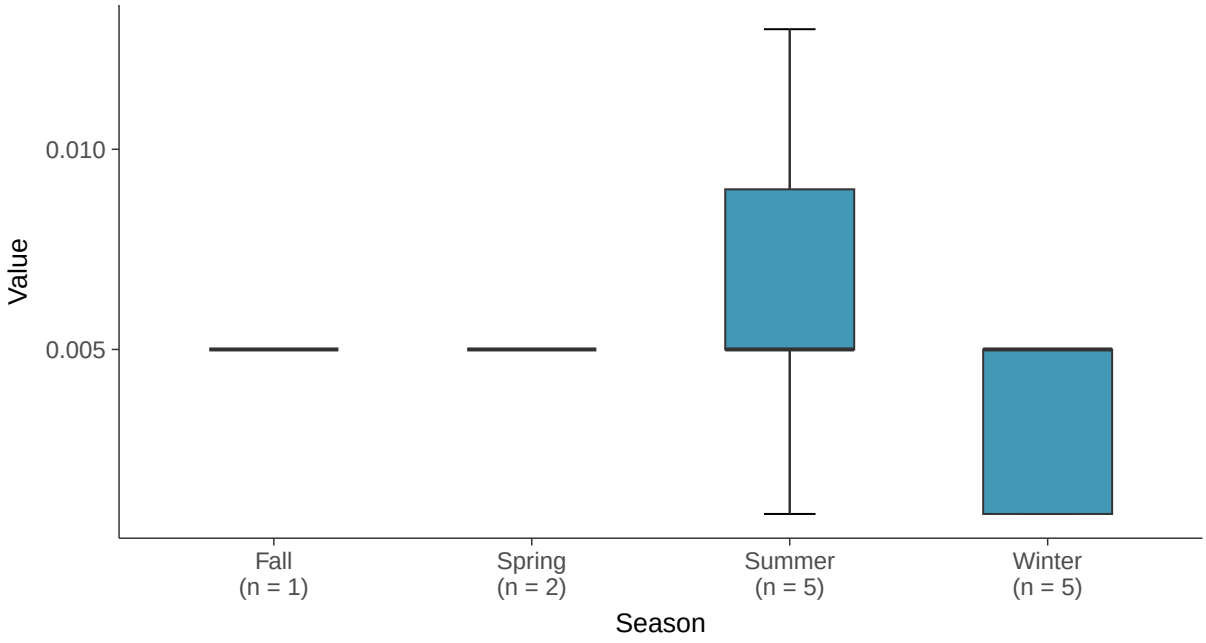
Boxplot

Selenium, MW-14 (mg/l)



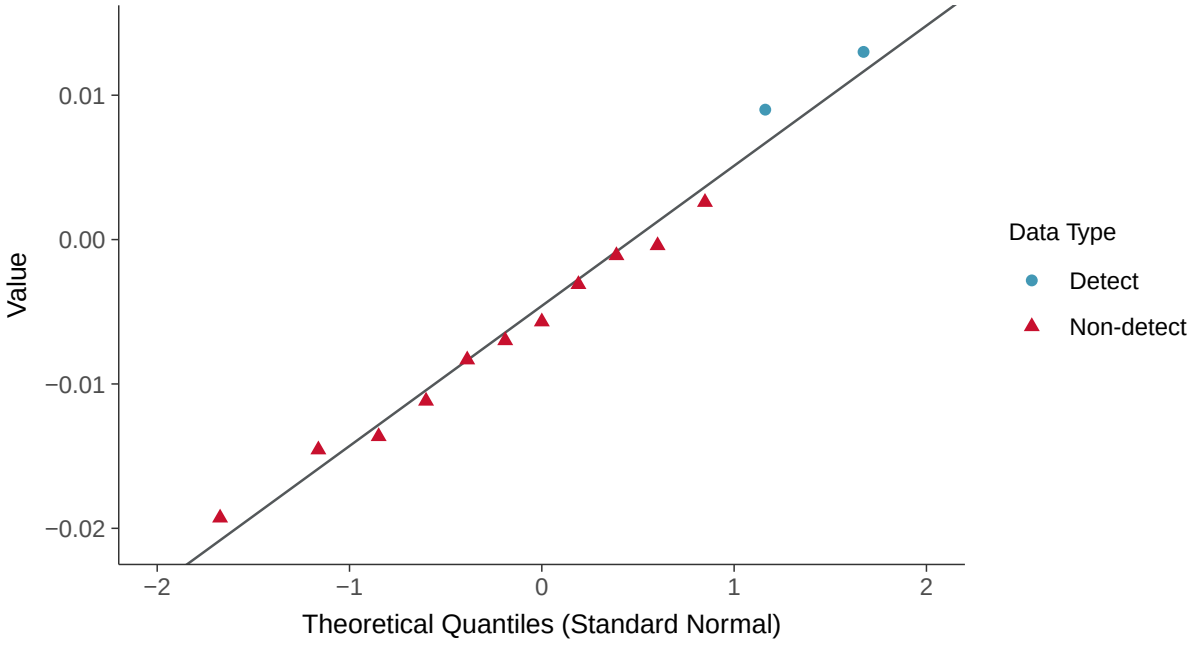
Boxplot by Season

Selenium, MW-14 (mg/l)



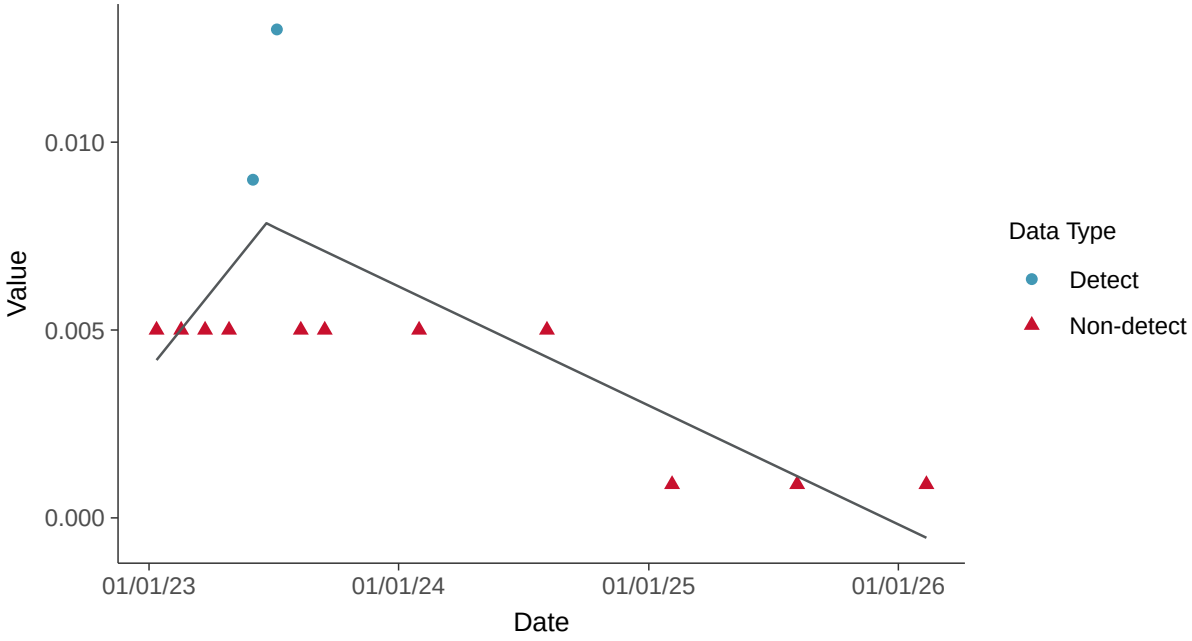
Normal Q-Q plot using ROS Imputed Estimates

Selenium, MW-14 (mg/l)



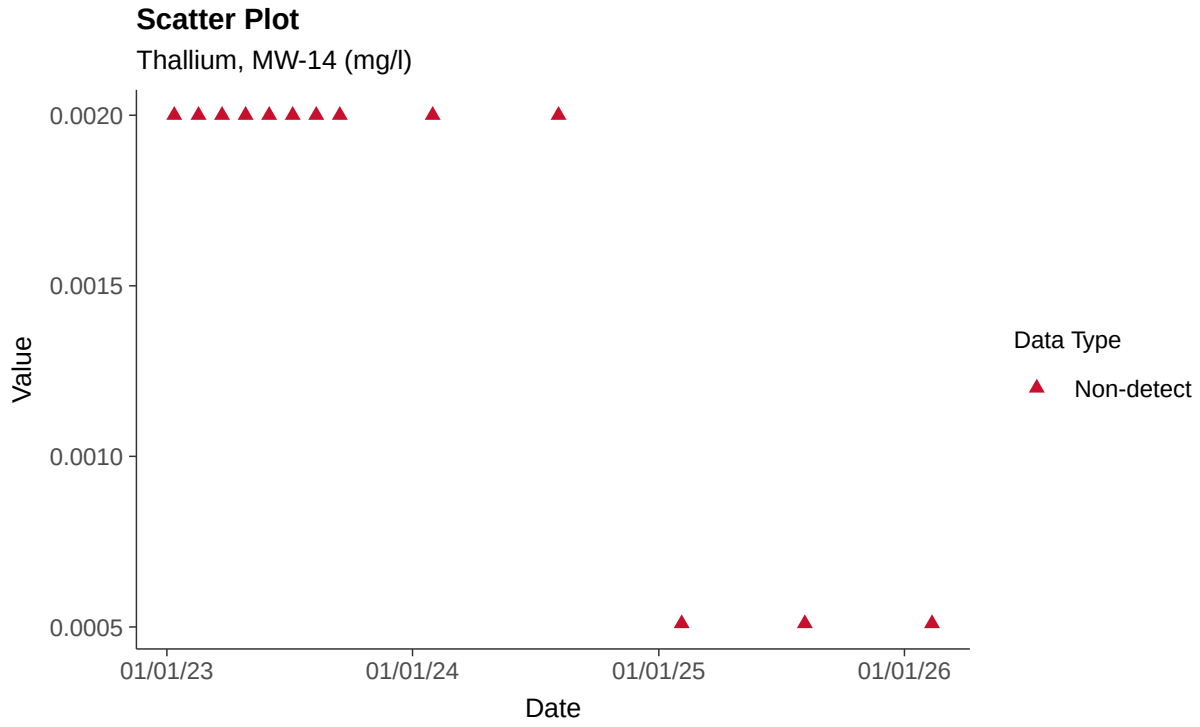
Trend Regression: Piecewise Linear-Linear

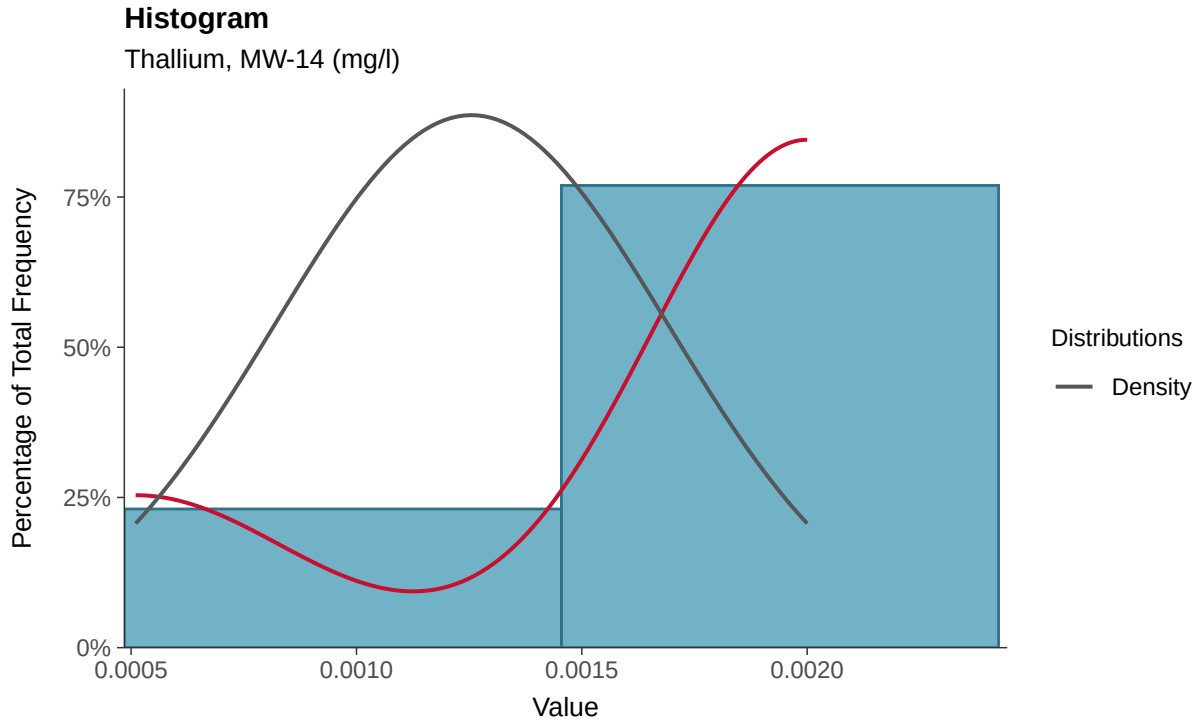
Selenium, MW-14 (mg/l)



Appendix IV: Thallium, MW-14

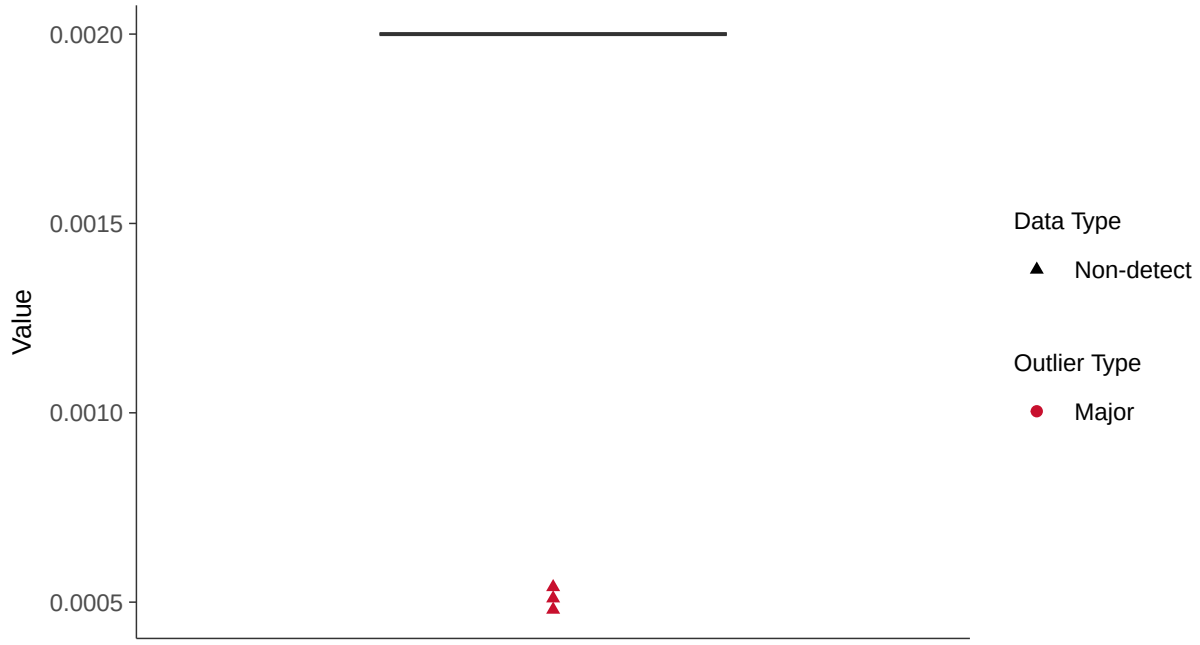
ID: 21_3_125





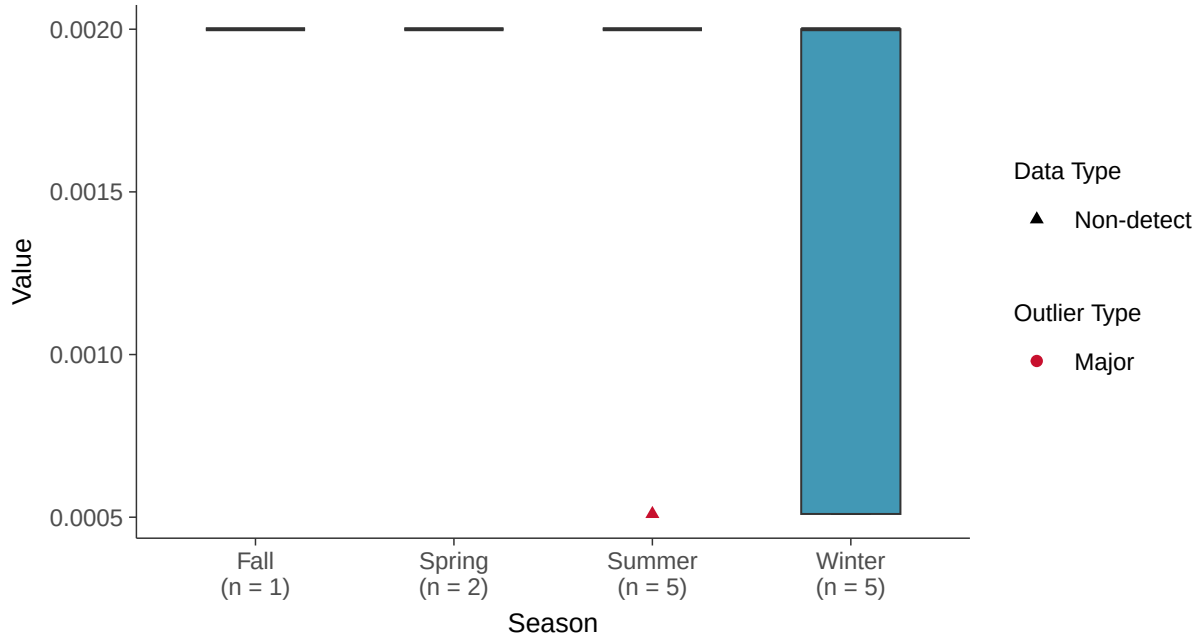
Boxplot

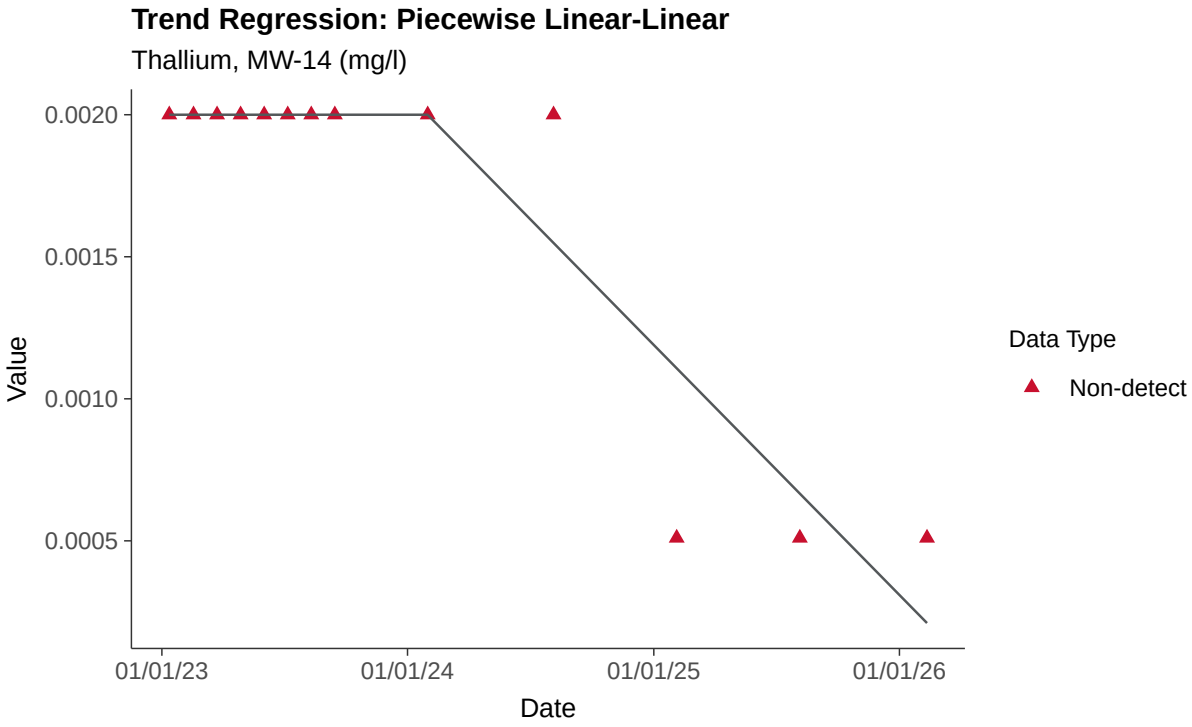
Thallium, MW-14 (mg/l)



Boxplot by Season

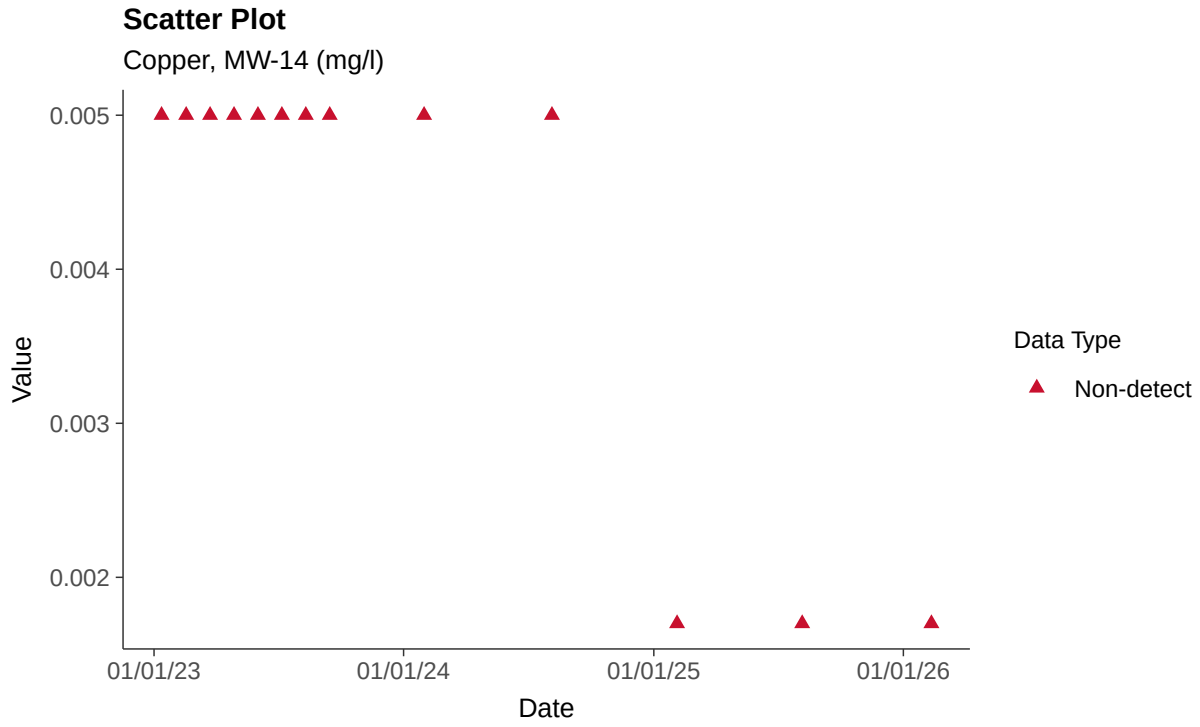
Thallium, MW-14 (mg/l)

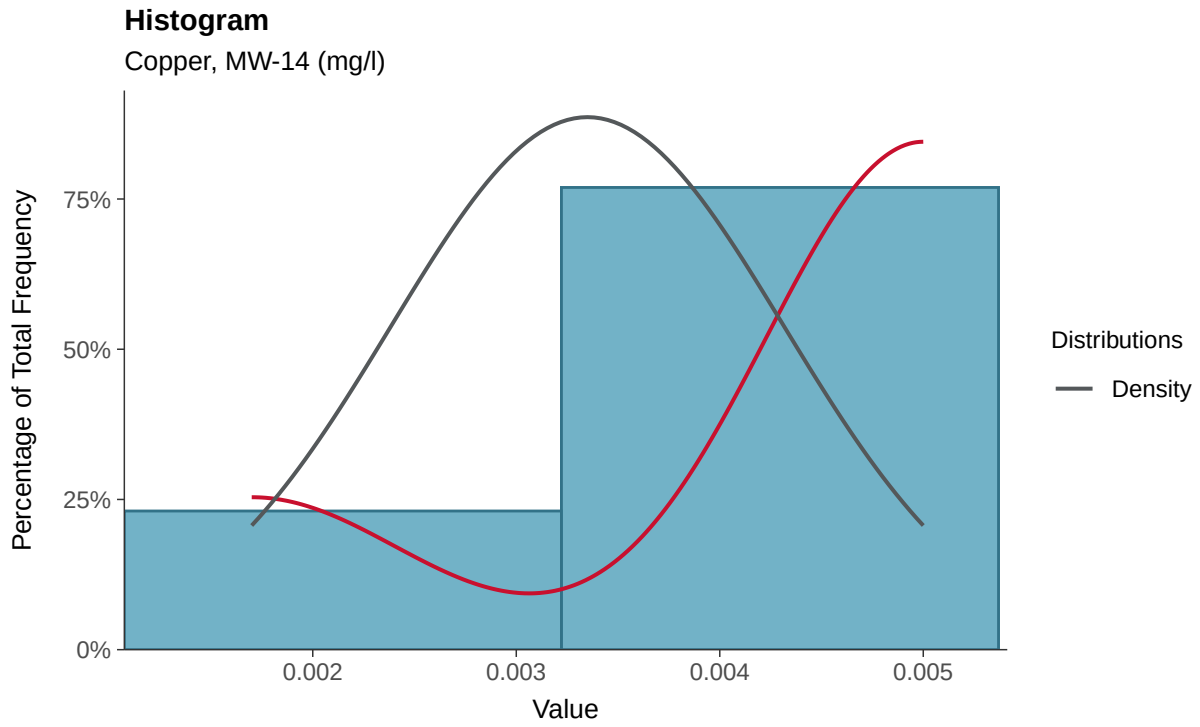



Trend Regression: Piecewise Linear-Linear
Thallium, MW-14 (mg/l)
0.0020
0.0015
0.0010
0.0005
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Copper, MW-14

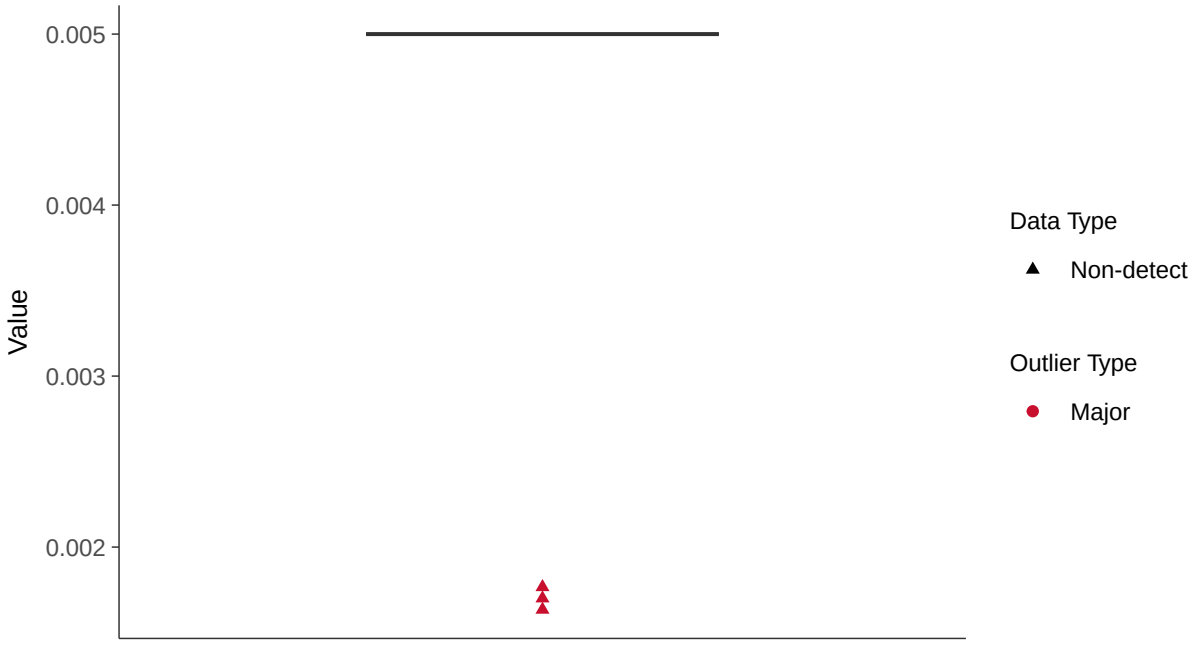
ID: 21_5_111





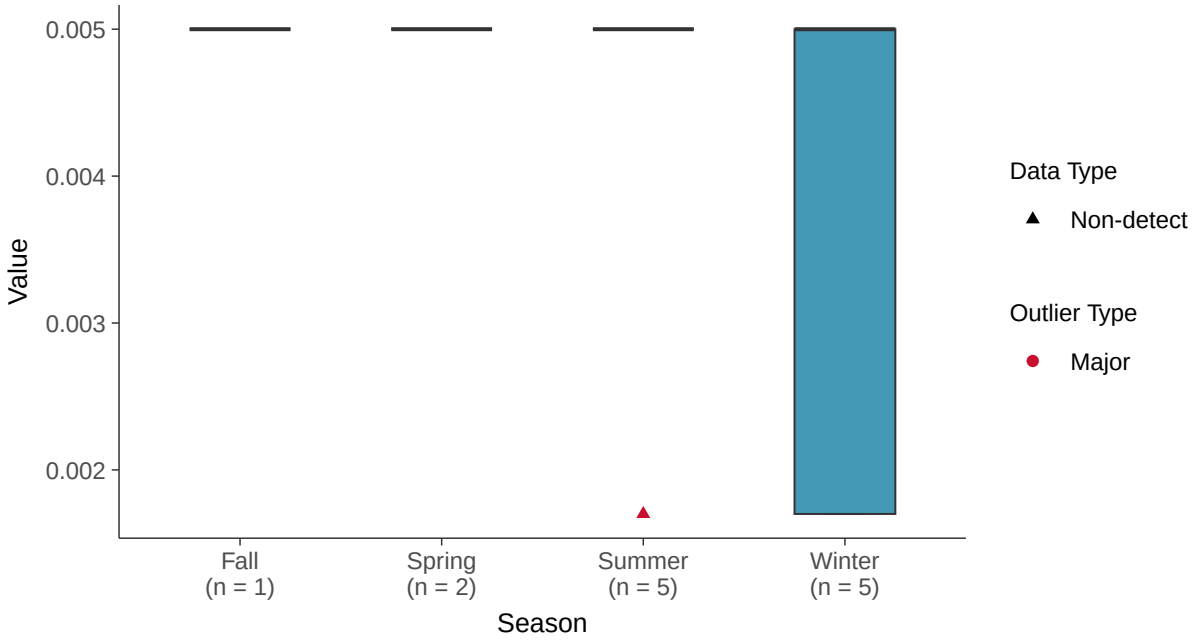
Boxplot

Copper, MW-14 (mg/l)



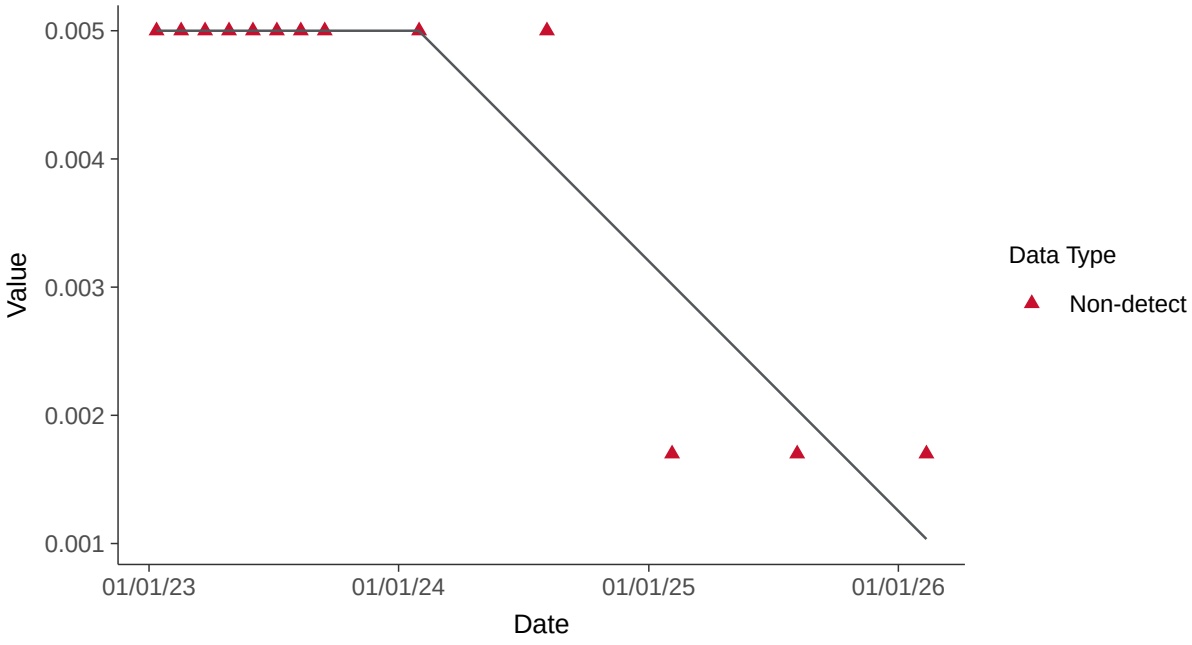
Boxplot by Season

Copper, MW-14 (mg/l)



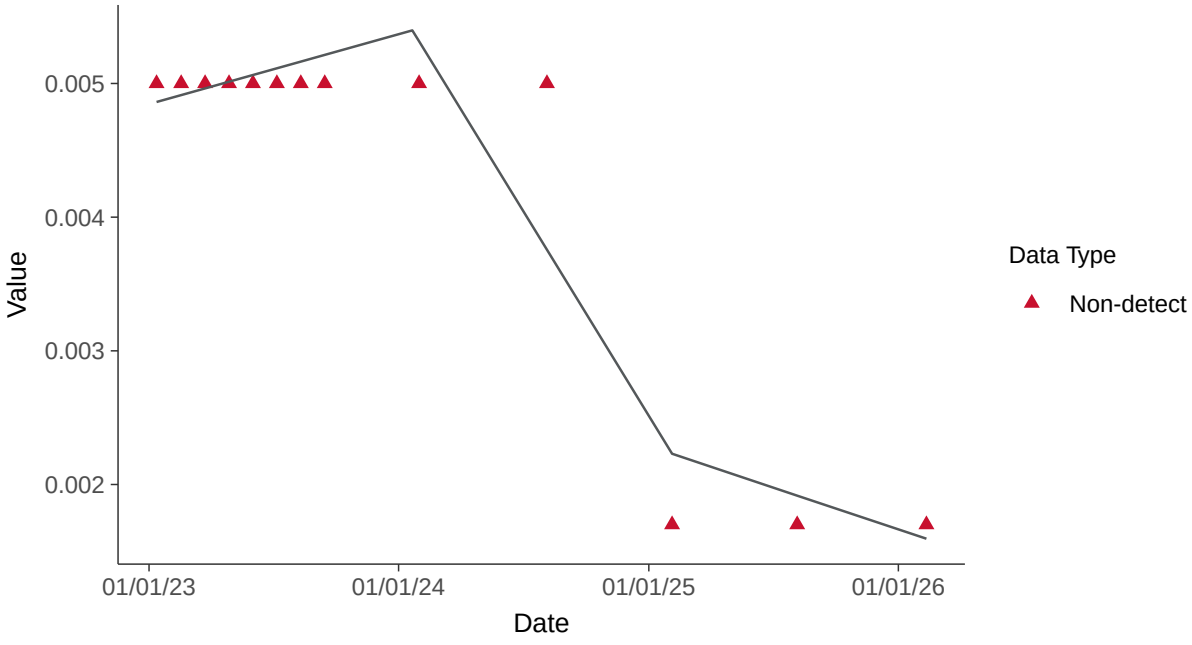
Trend Regression: Piecewise Linear-Linear

Copper, MW-14 (mg/l)



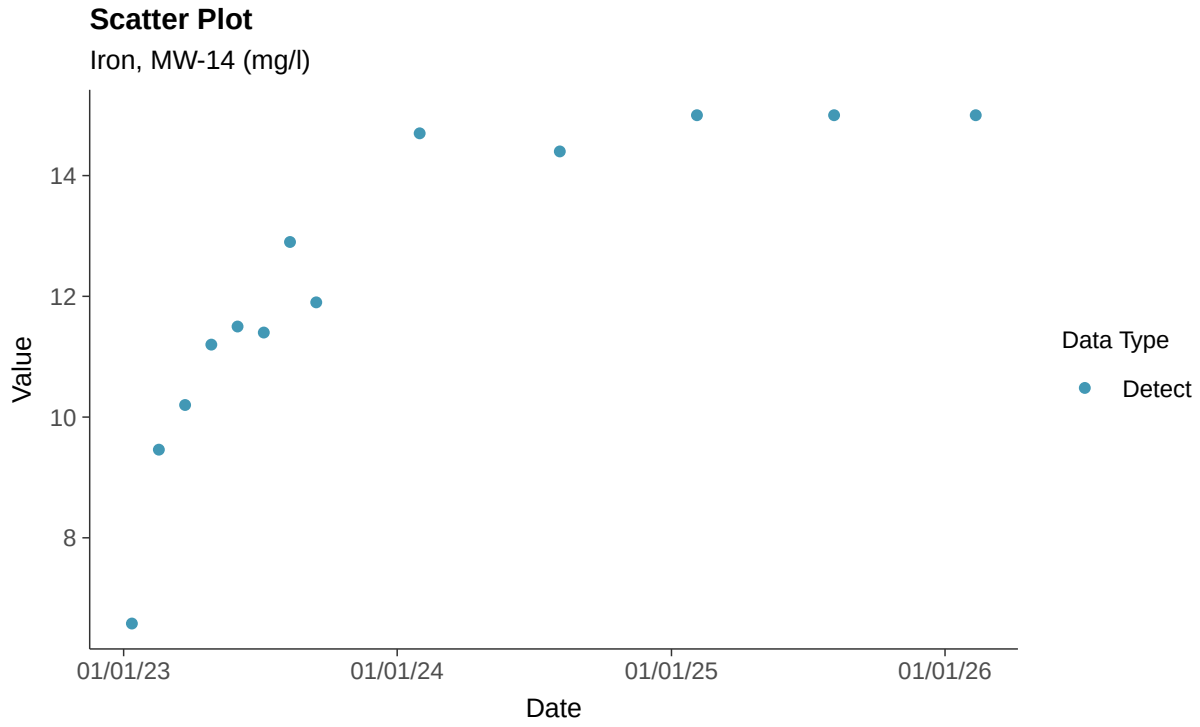
Trend Regression: Piecewise Linear-Linear-Linear

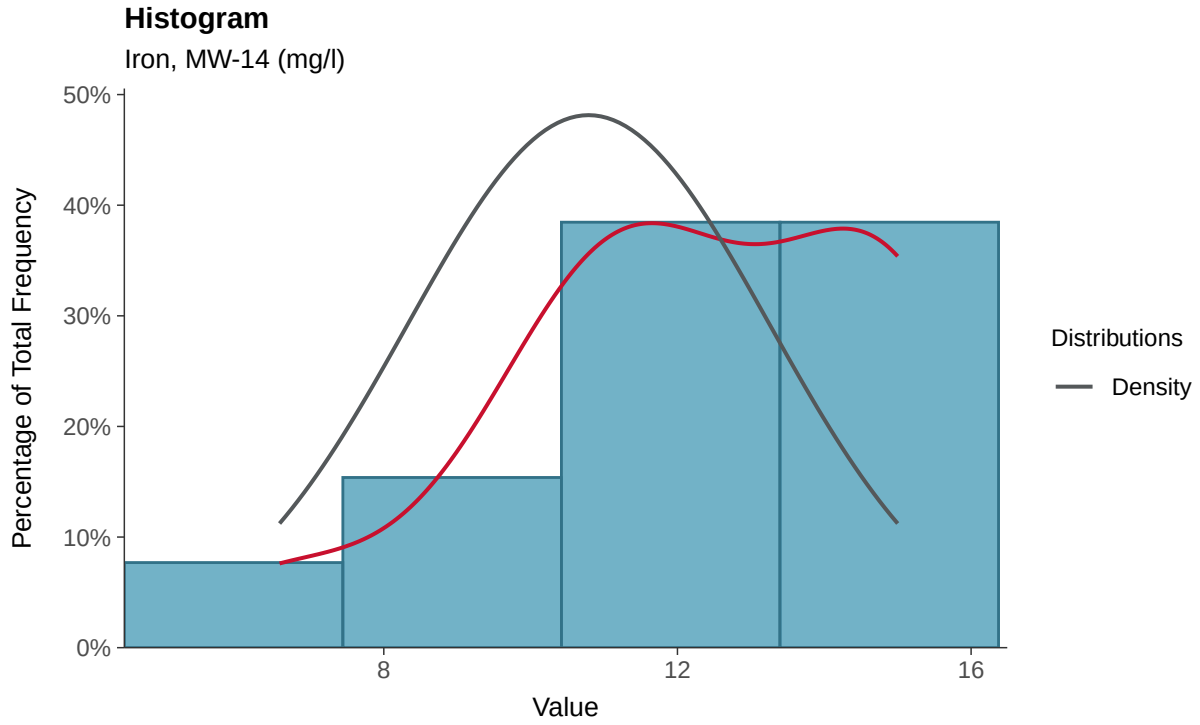
Copper, MW-14 (mg/l)



Part 115: Iron, MW-14

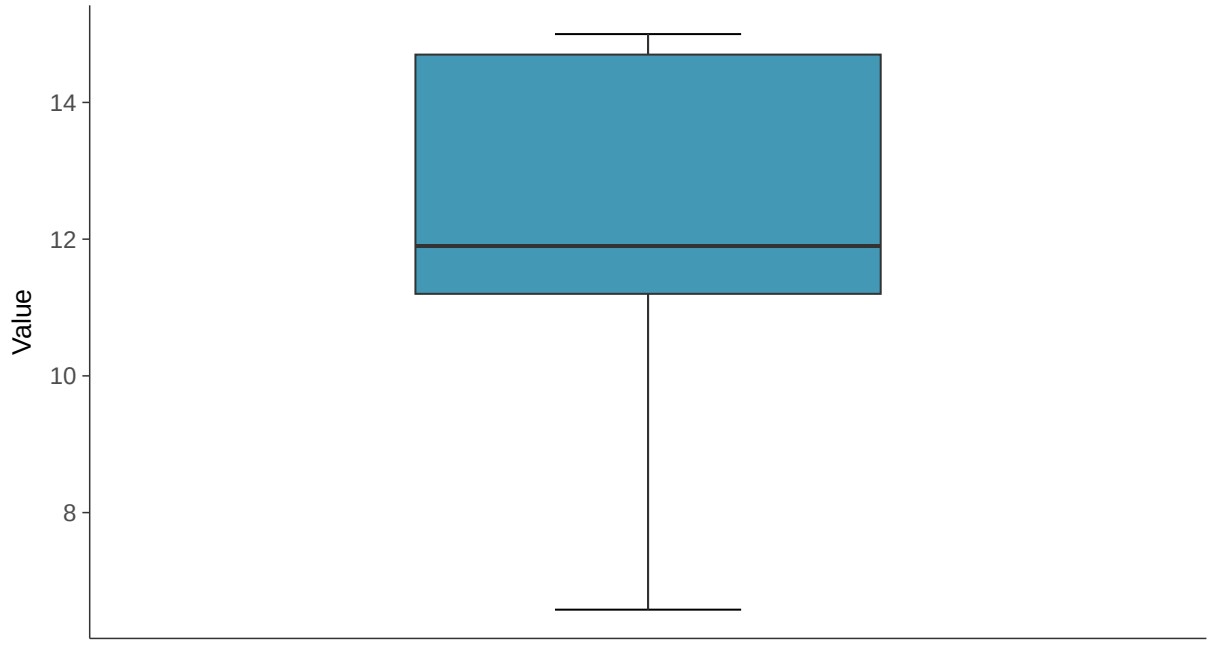
ID: 21_5_114





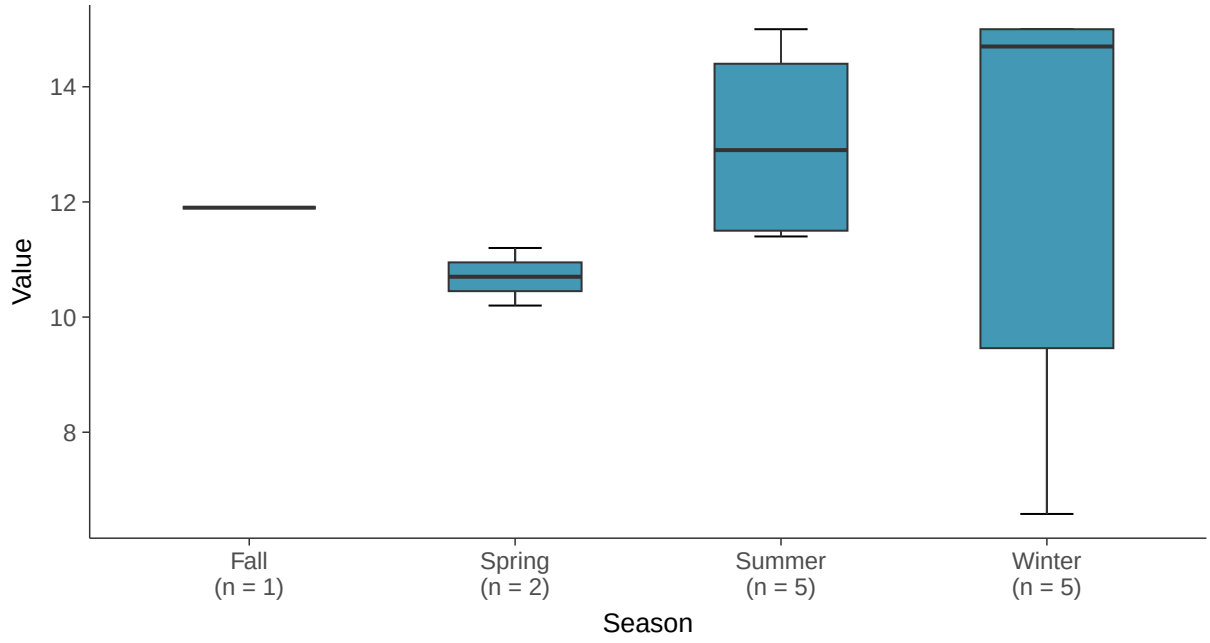
Boxplot

Iron, MW-14 (mg/l)



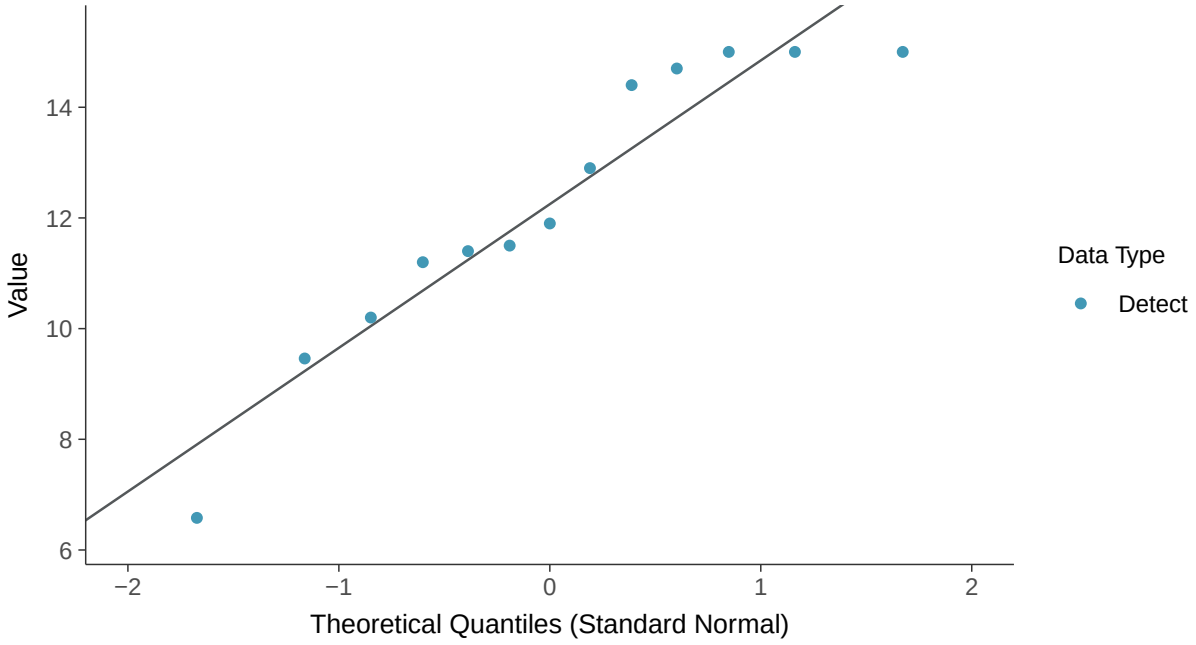
Boxplot by Season

Iron, MW-14 (mg/l)



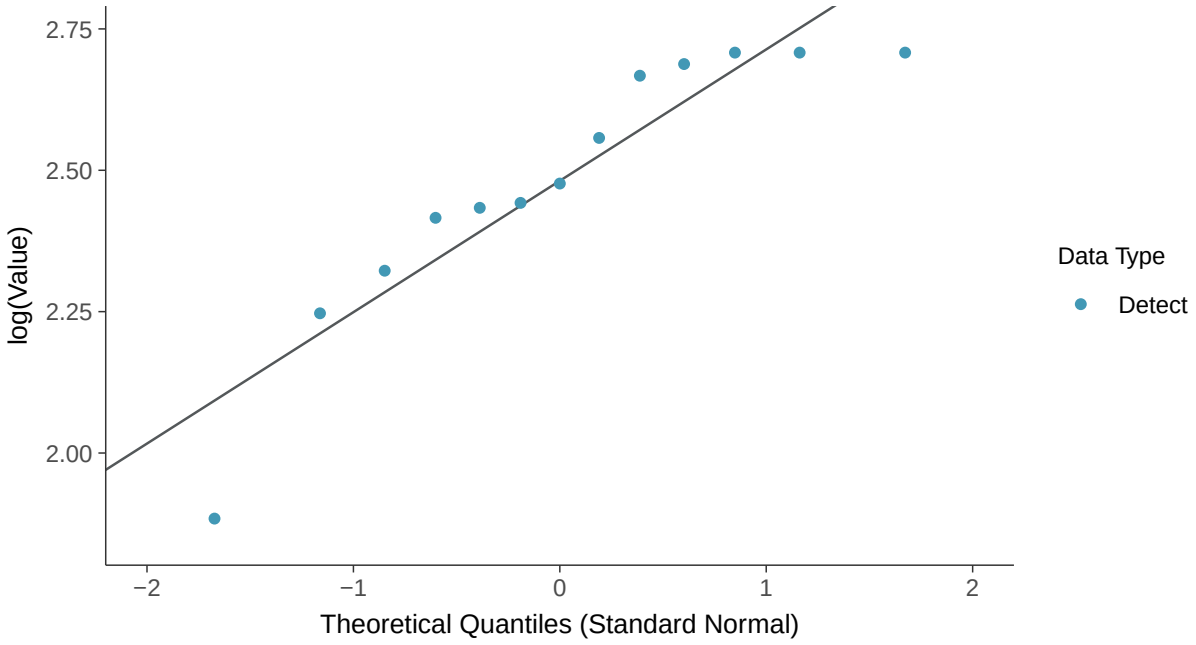
Normal Q-Q plot

Iron, MW-14 (mg/l)



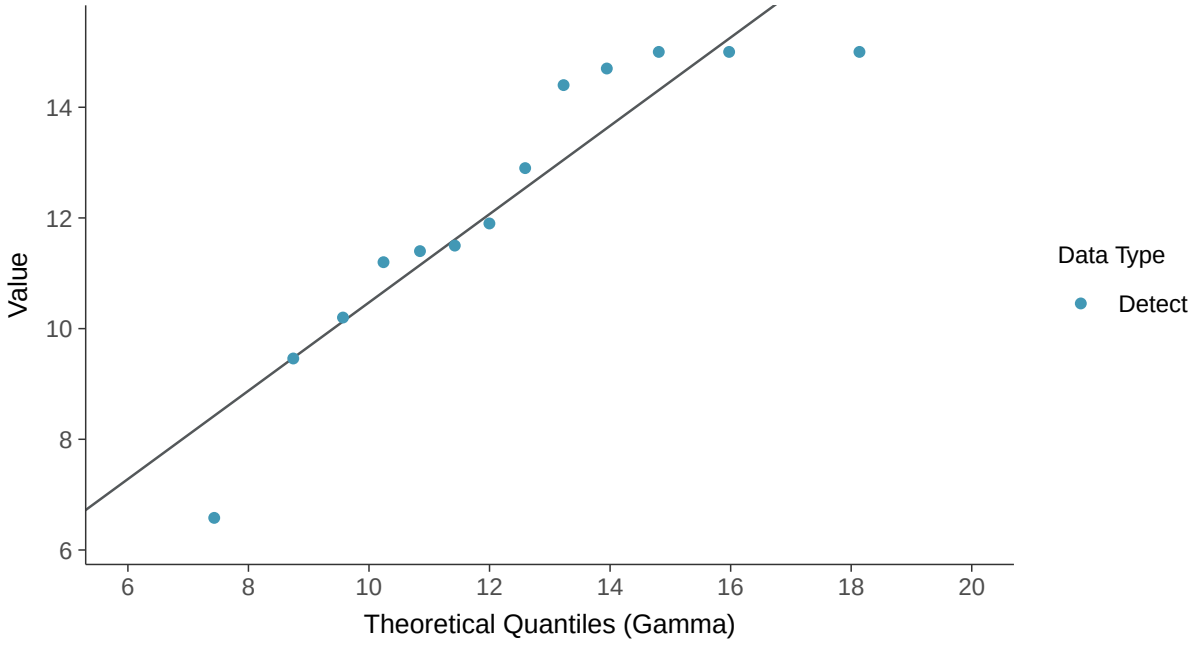
Lognormal Q-Q plot

Iron, MW-14 (mg/l)



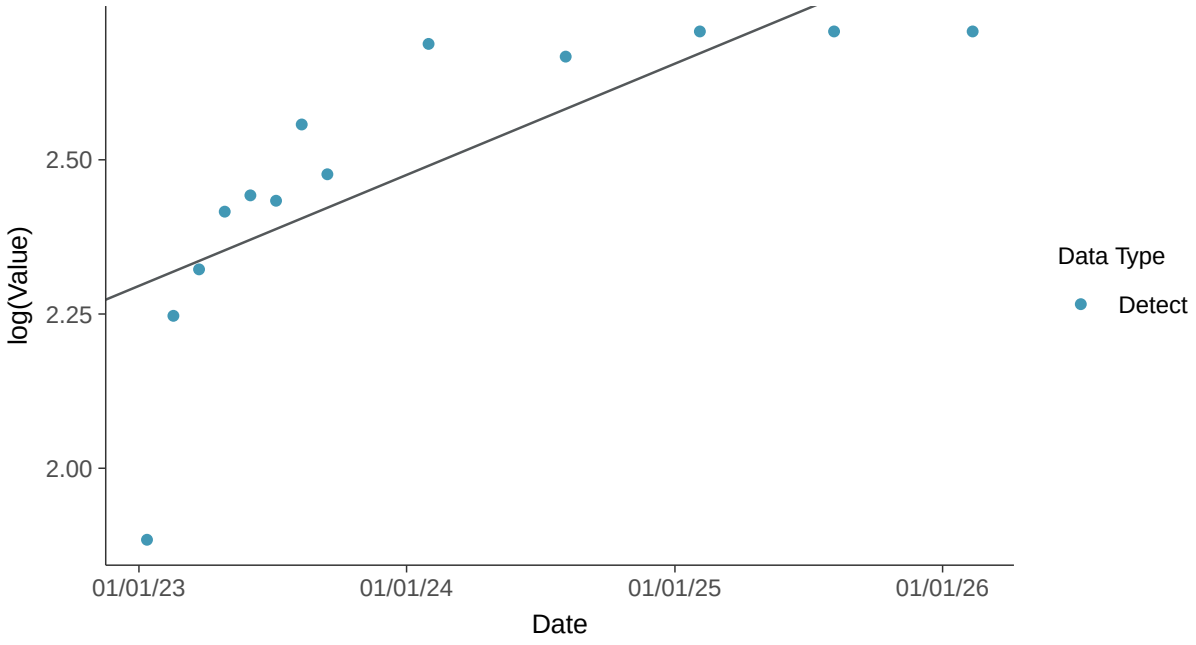
Gamma Q-Q plot

Iron, MW-14 (mg/l)



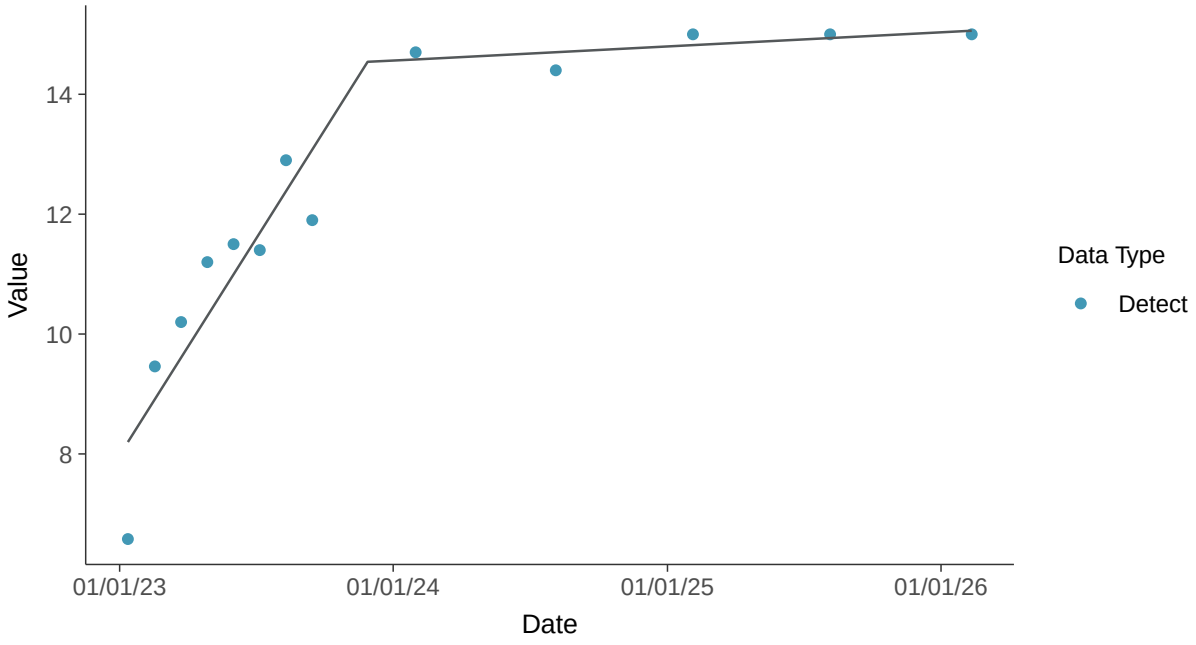
Trend Regression: Lognormal MLE

Iron, MW-14 (mg/l)



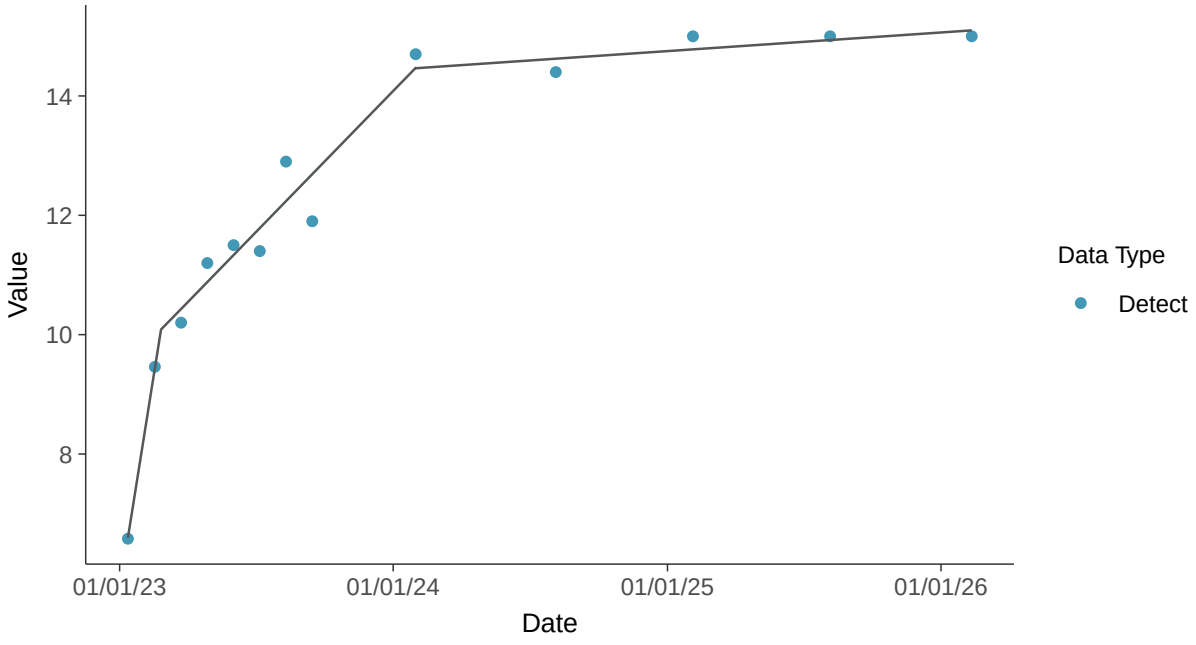
Trend Regression: Piecewise Linear-Linear

Iron, MW-14 (mg/l)



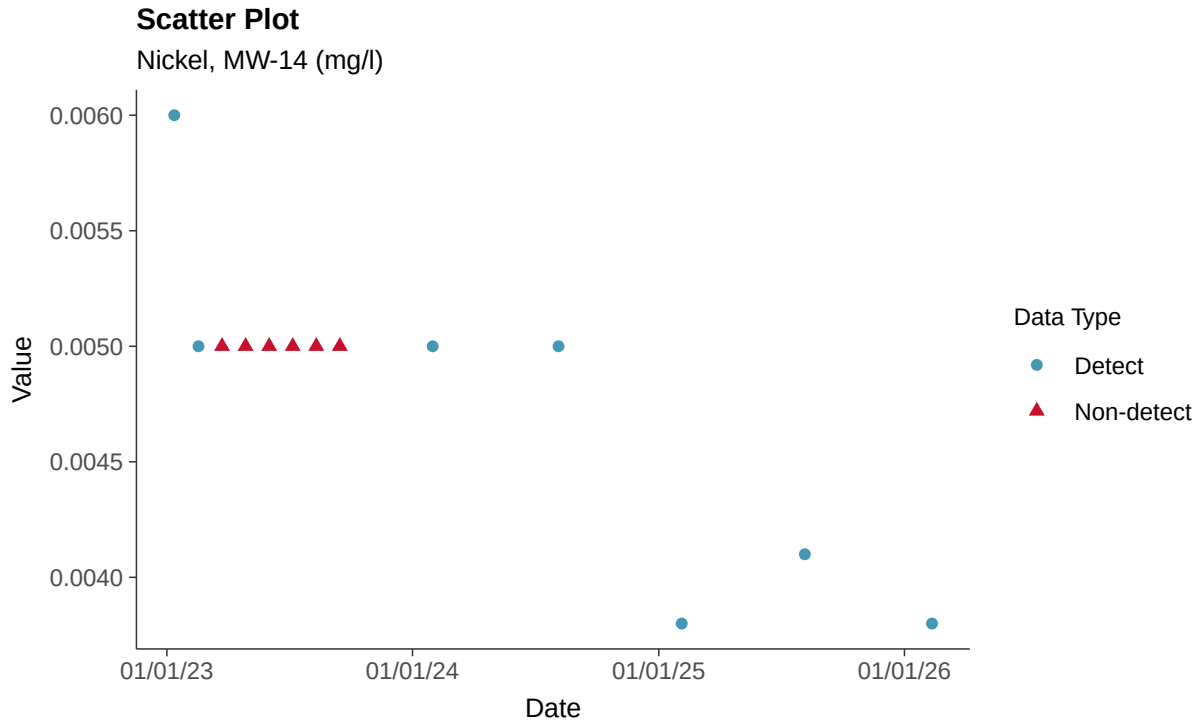
Trend Regression: Piecewise Linear-Linear-Linear

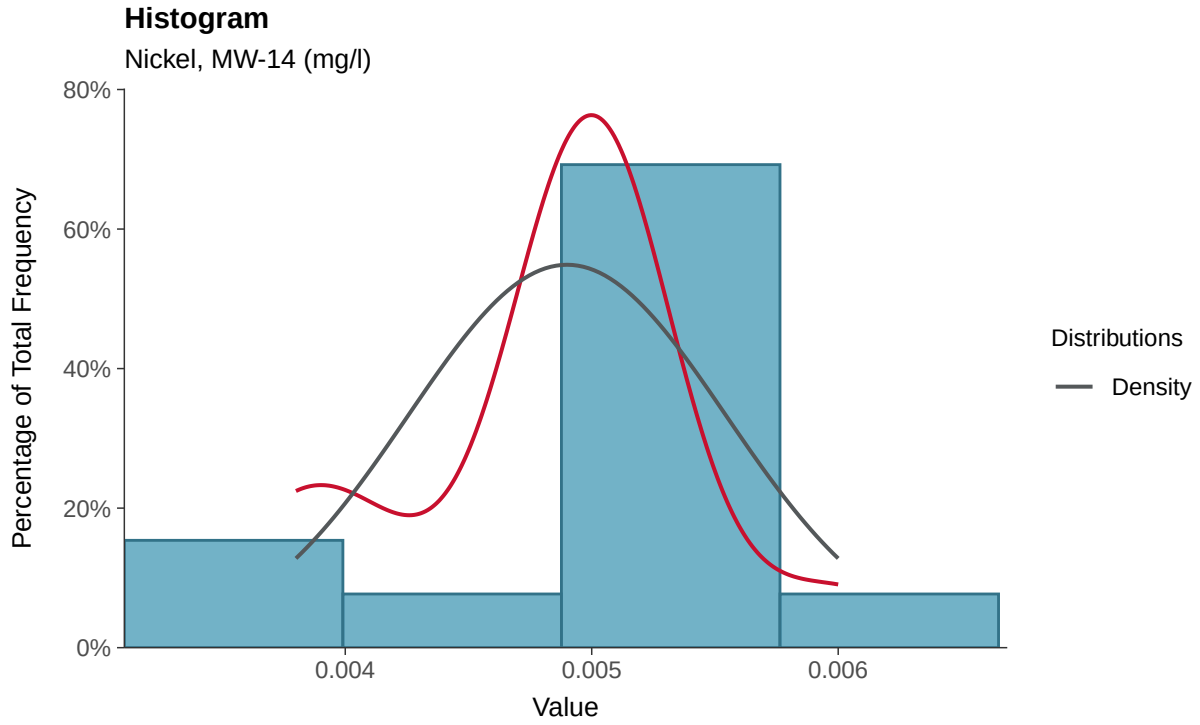
Iron, MW-14 (mg/l)



Part 115: Nickel, MW-14

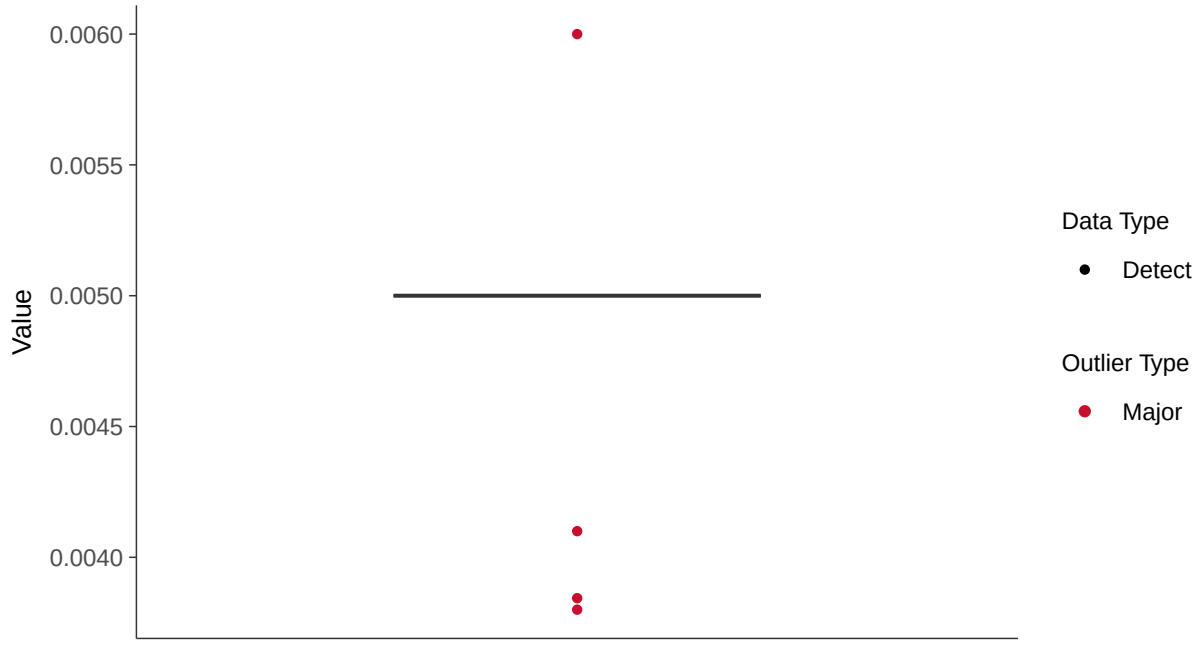
ID: 21_5_119





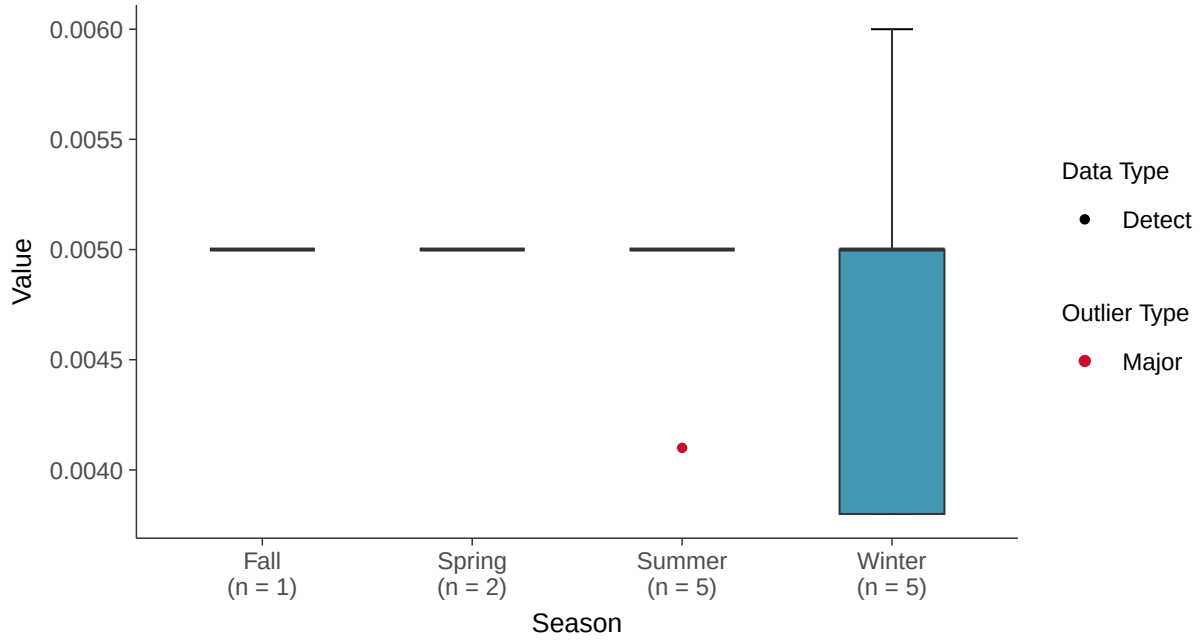
Boxplot

Nickel, MW-14 (mg/l)



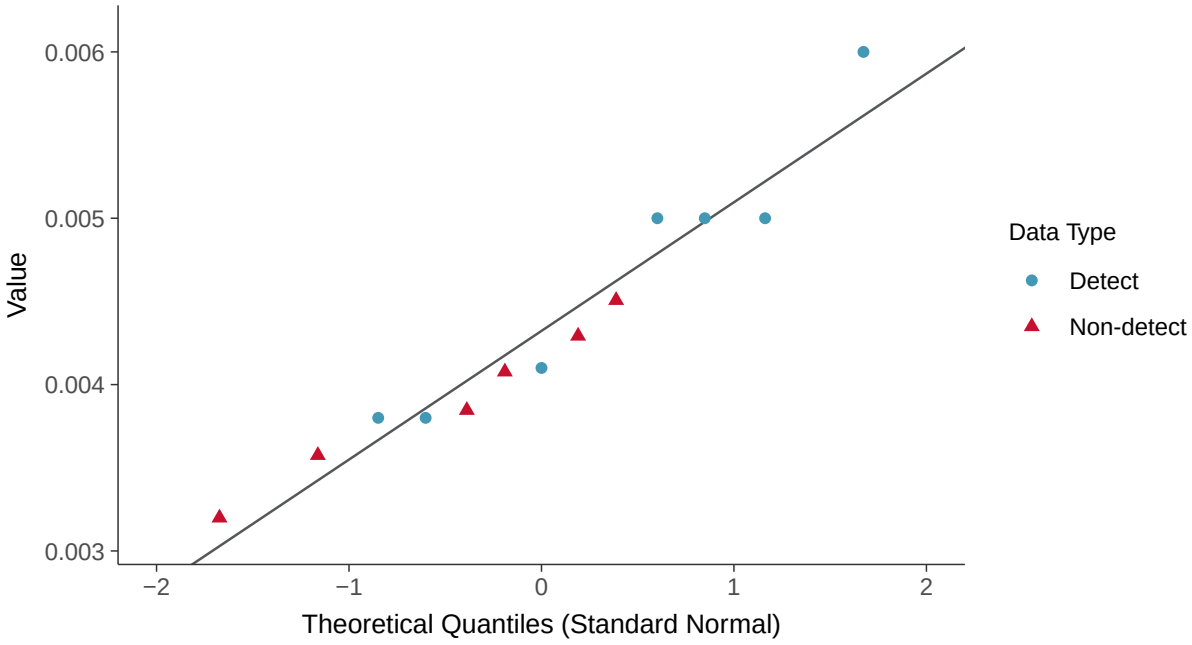
Boxplot by Season

Nickel, MW-14 (mg/l)



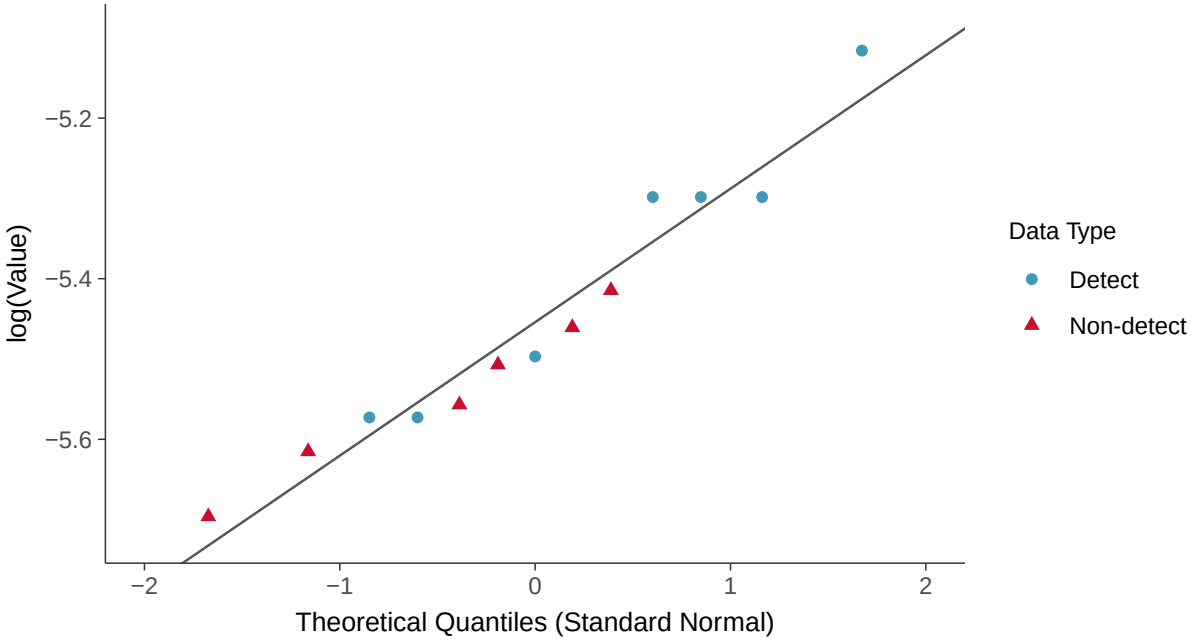
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-14 (mg/l)



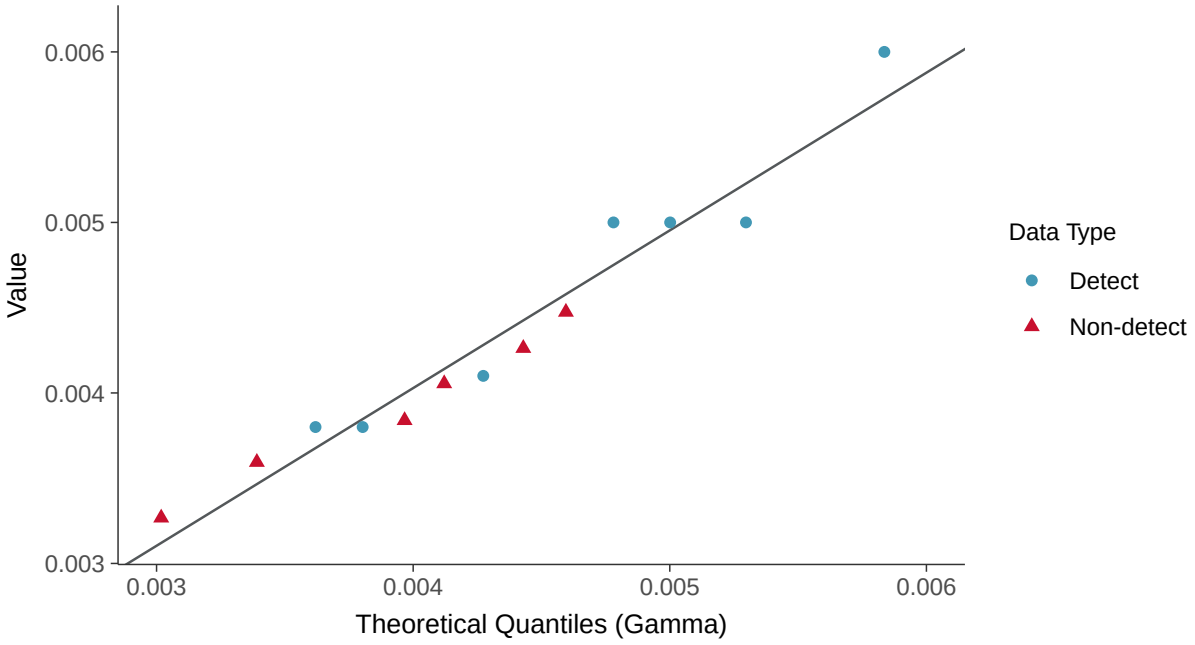
Lognormal Q-Q plot using ROS Imputed Estimates

Nickel, MW-14 (mg/l)



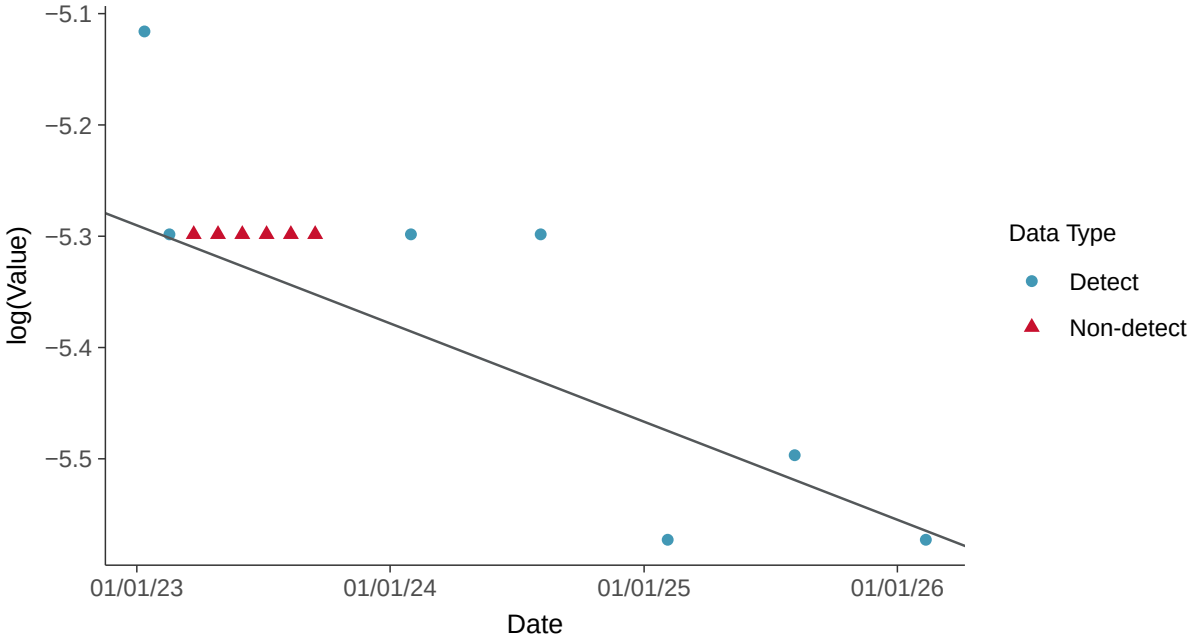
Gamma Q-Q plot using ROS Imputed Estimates

Nickel, MW-14 (mg/l)



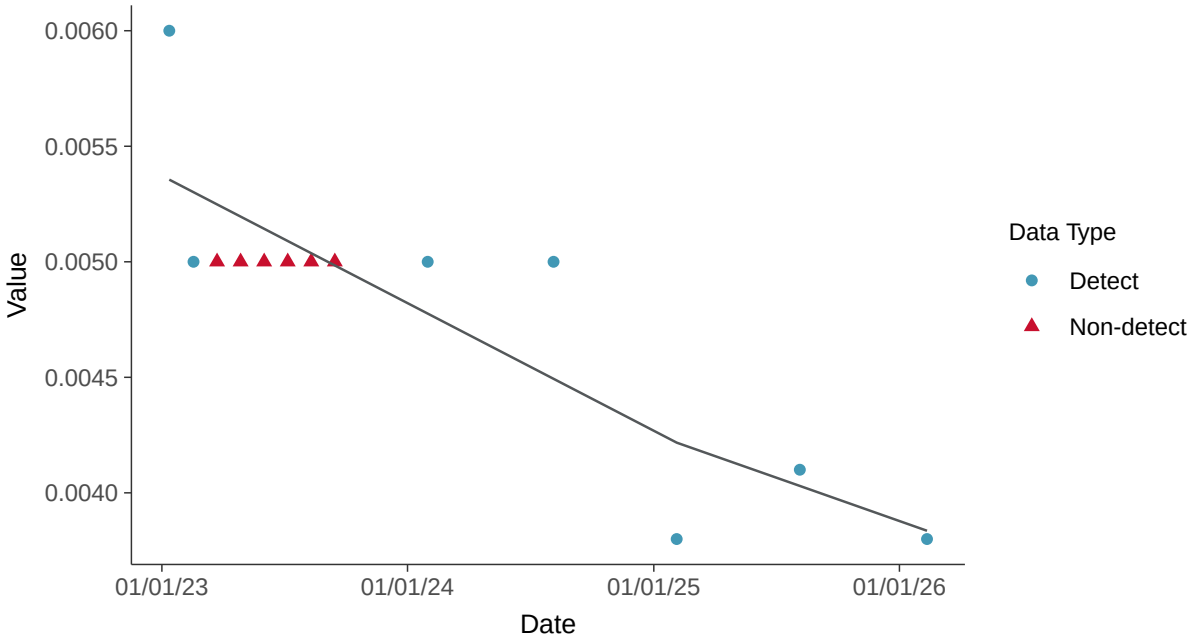
Trend Regression: Lognormal MLE

Nickel, MW-14 (mg/l)



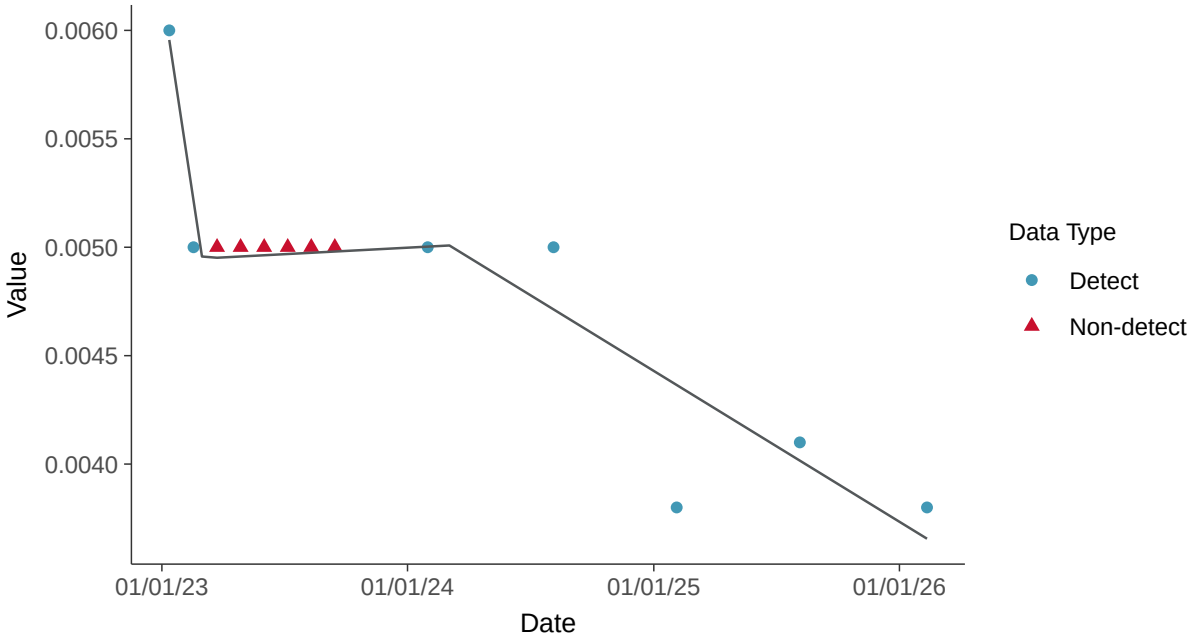
Trend Regression: Piecewise Linear-Linear

Nickel, MW-14 (mg/l)



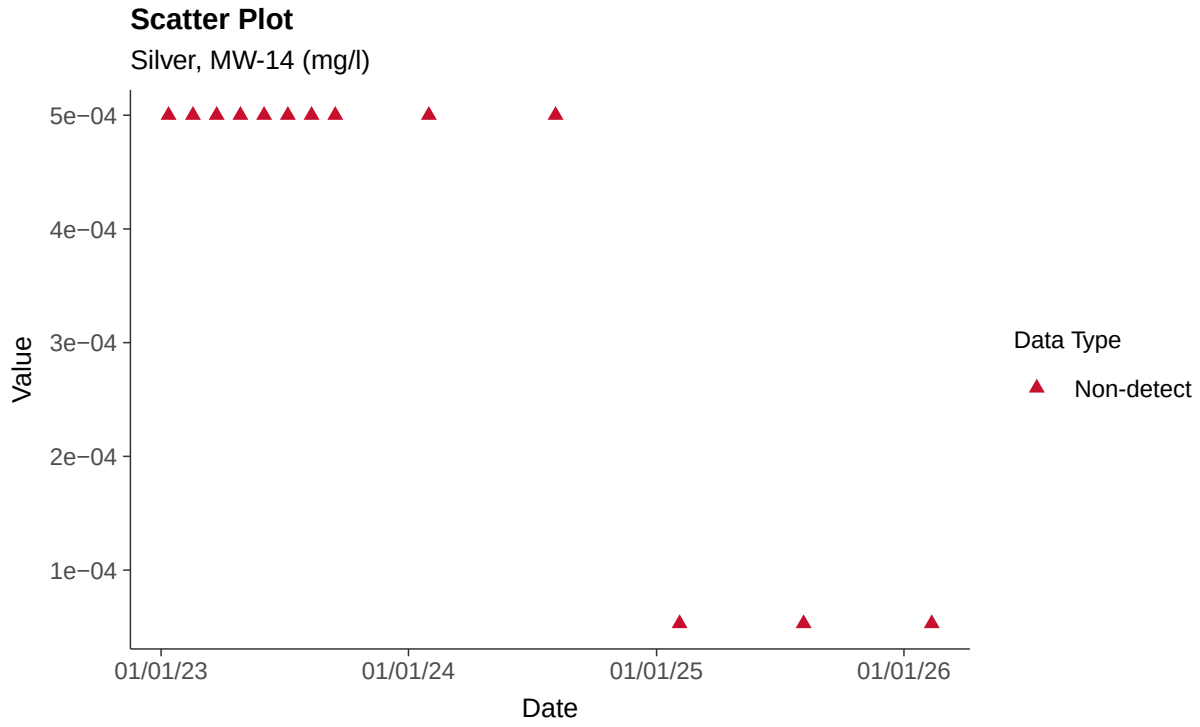
Trend Regression: Piecewise Linear-Linear-Linear

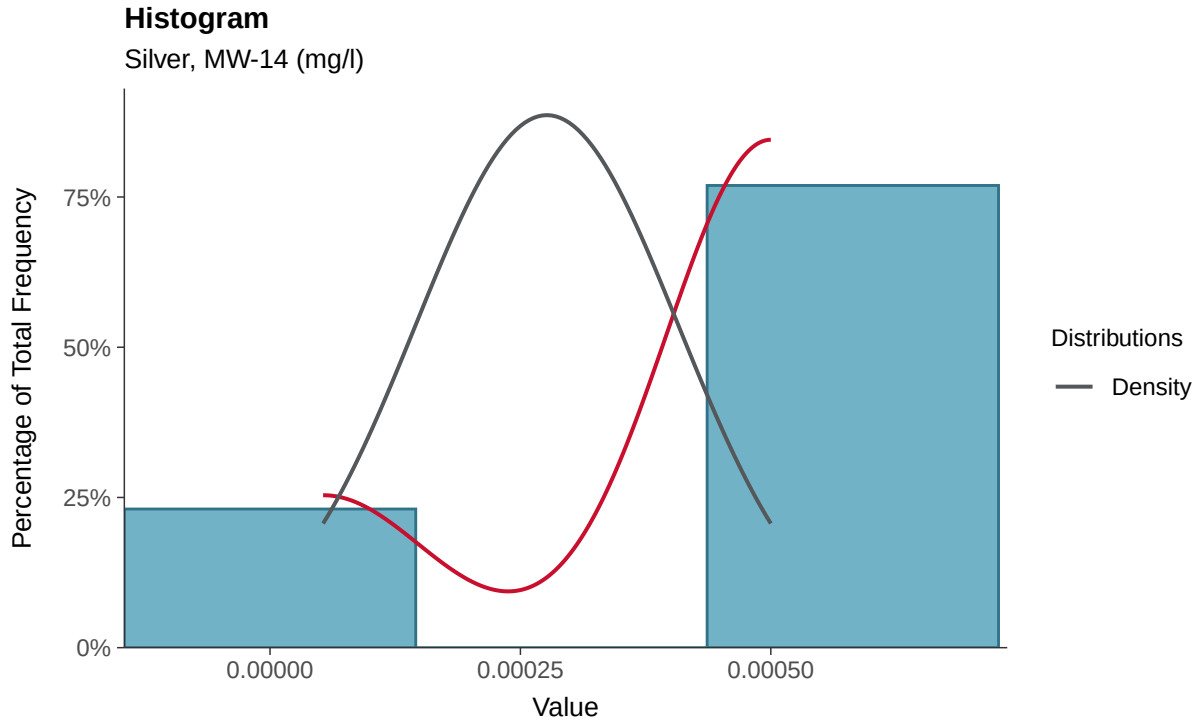
Nickel, MW-14 (mg/l)



Part 115: Silver, MW-14

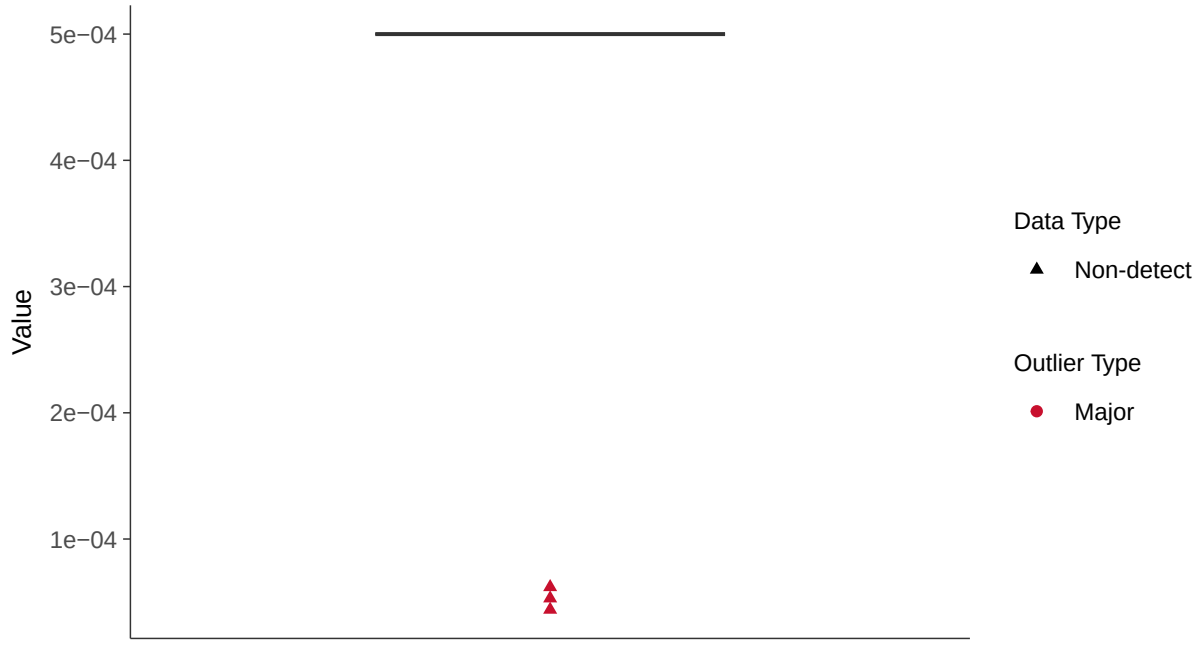
ID: 21_5_123





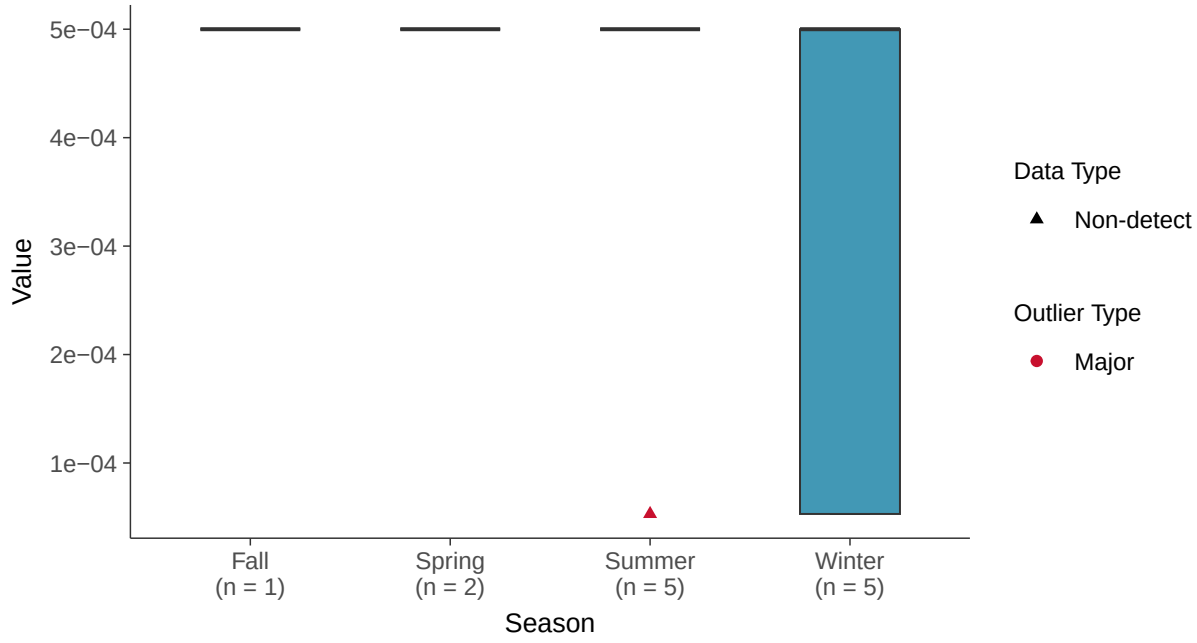
Boxplot

Silver, MW-14 (mg/l)



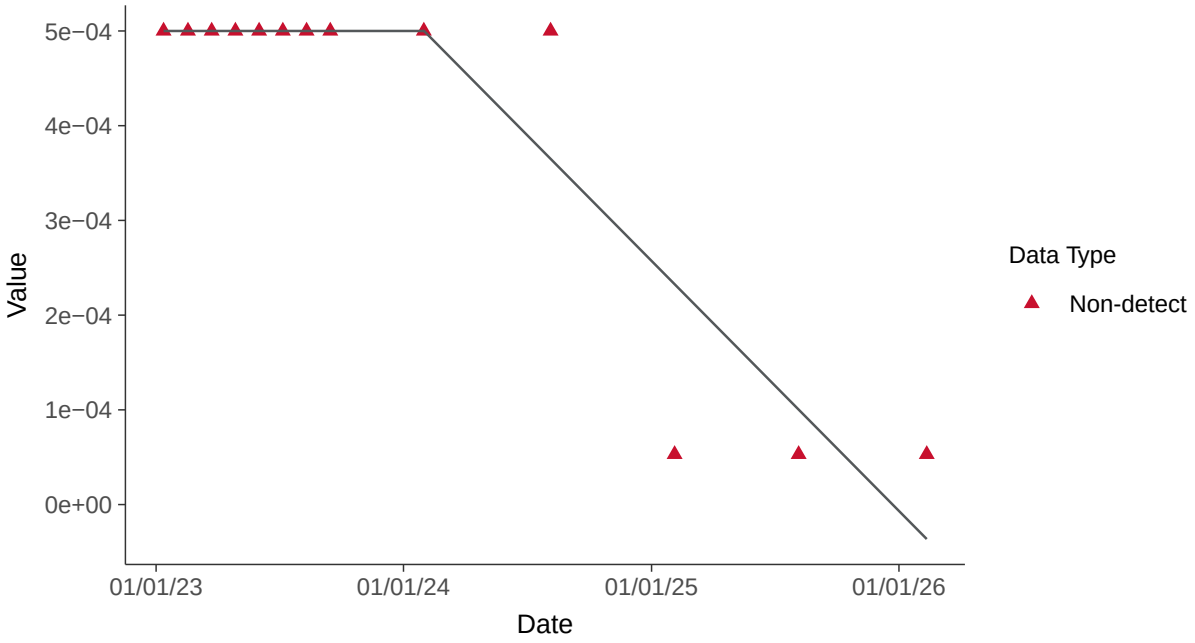
Boxplot by Season

Silver, MW-14 (mg/l)



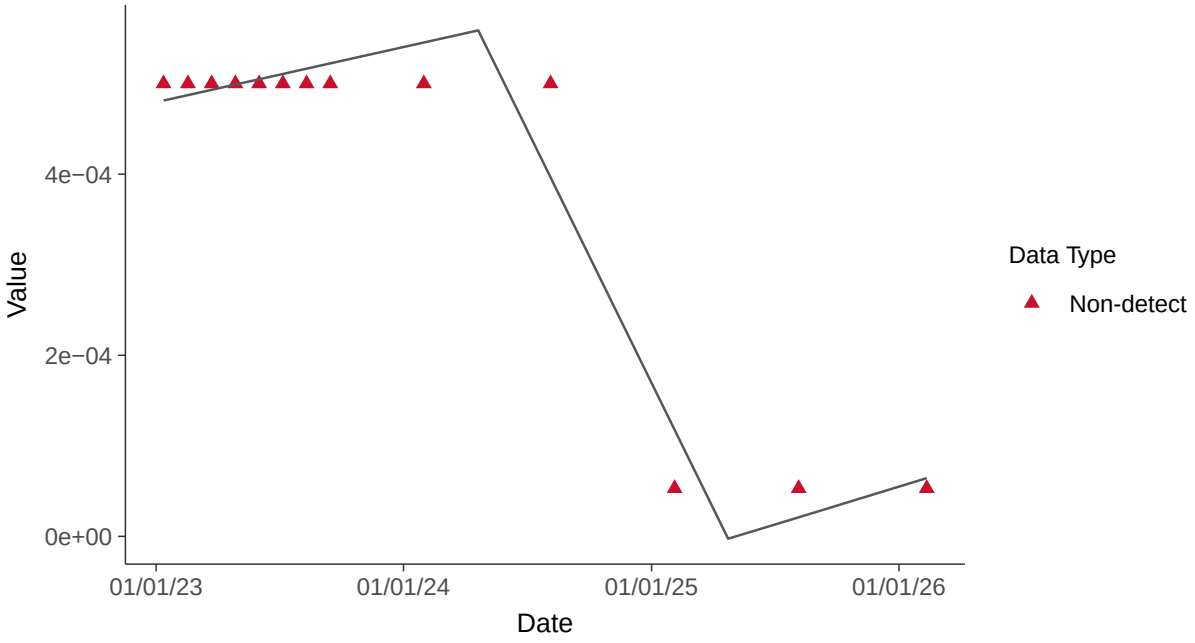
Trend Regression: Piecewise Linear-Linear

Silver, MW-14 (mg/l)



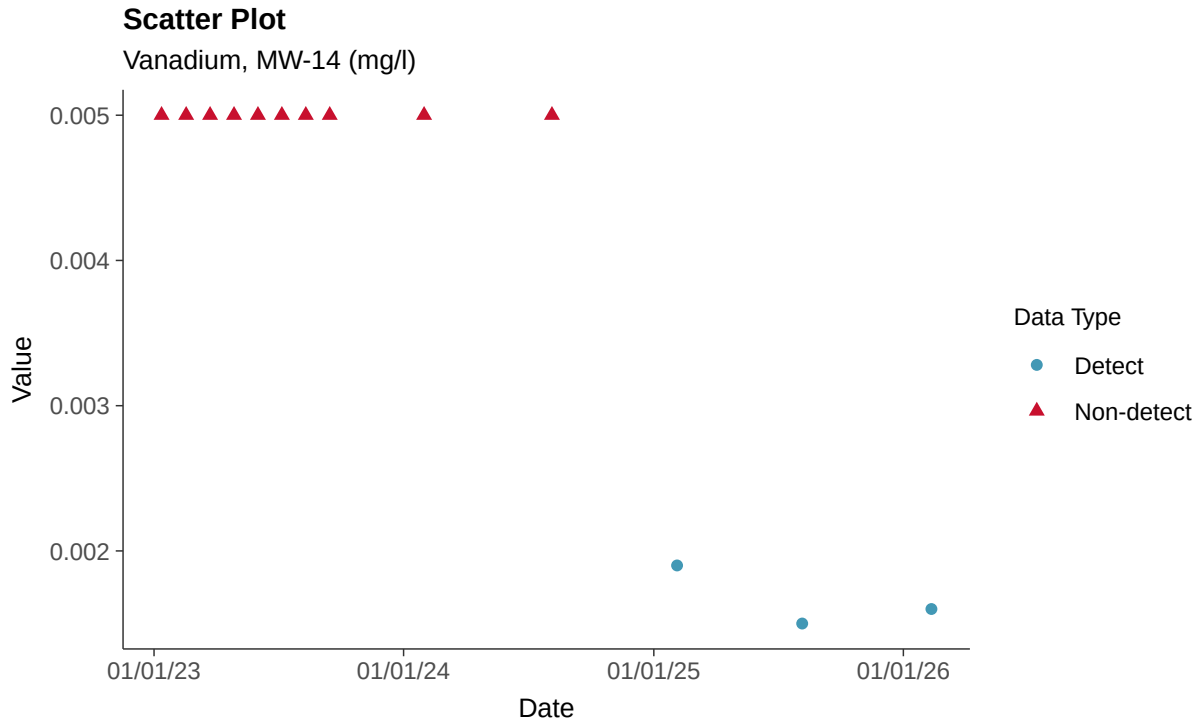
Trend Regression: Piecewise Linear-Linear-Linear

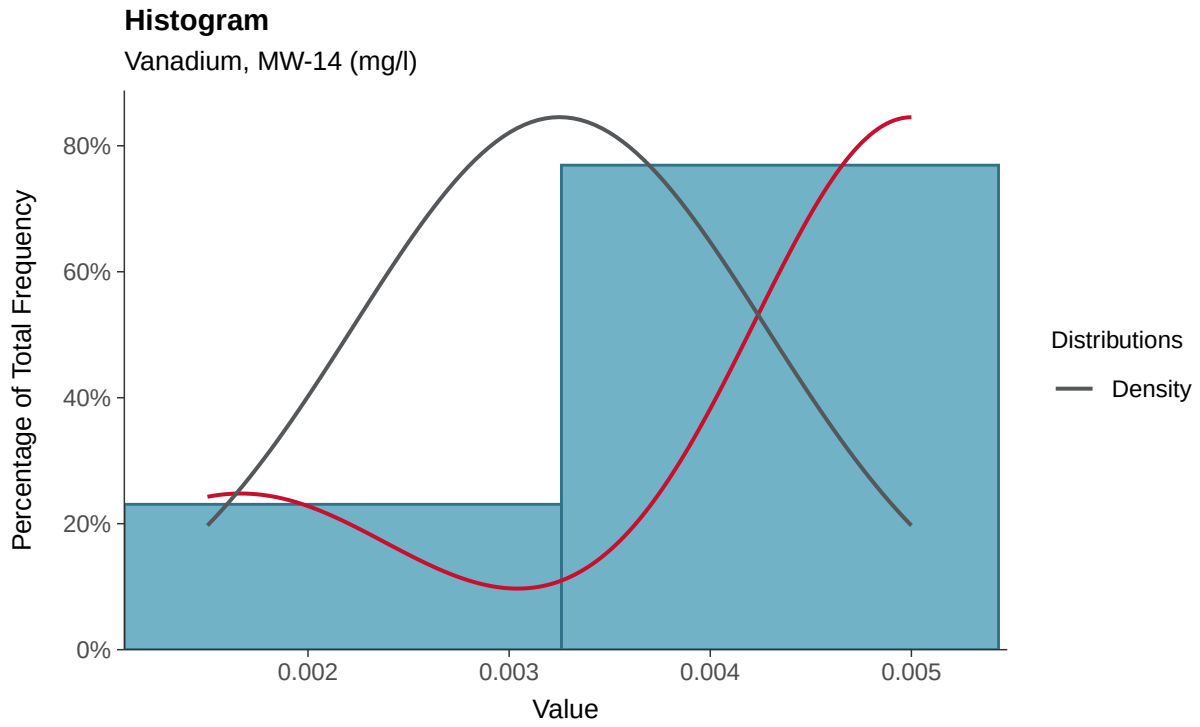
Silver, MW-14 (mg/l)



Part 115: Vanadium, MW-14

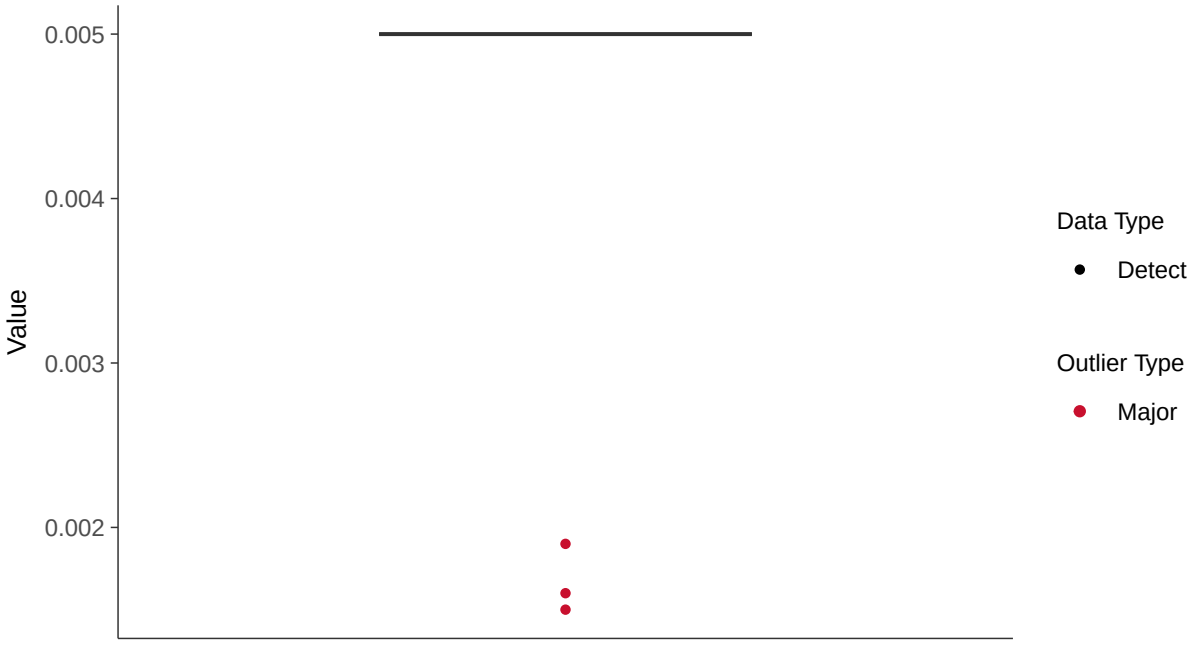
ID: 21_5_128





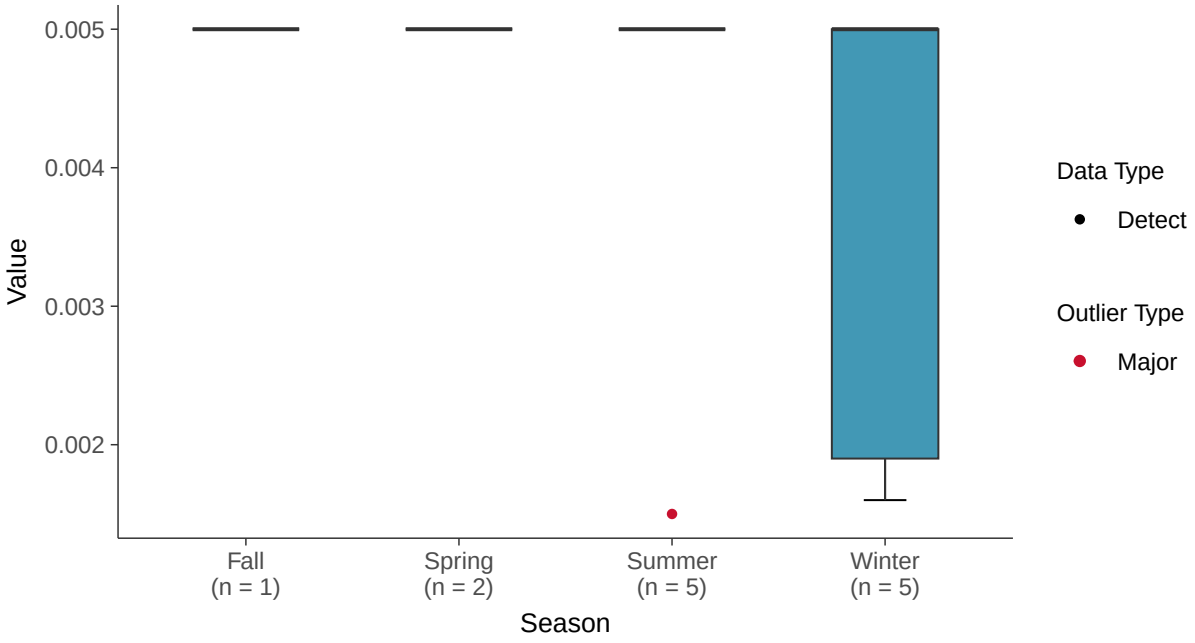
Boxplot

Vanadium, MW-14 (mg/l)



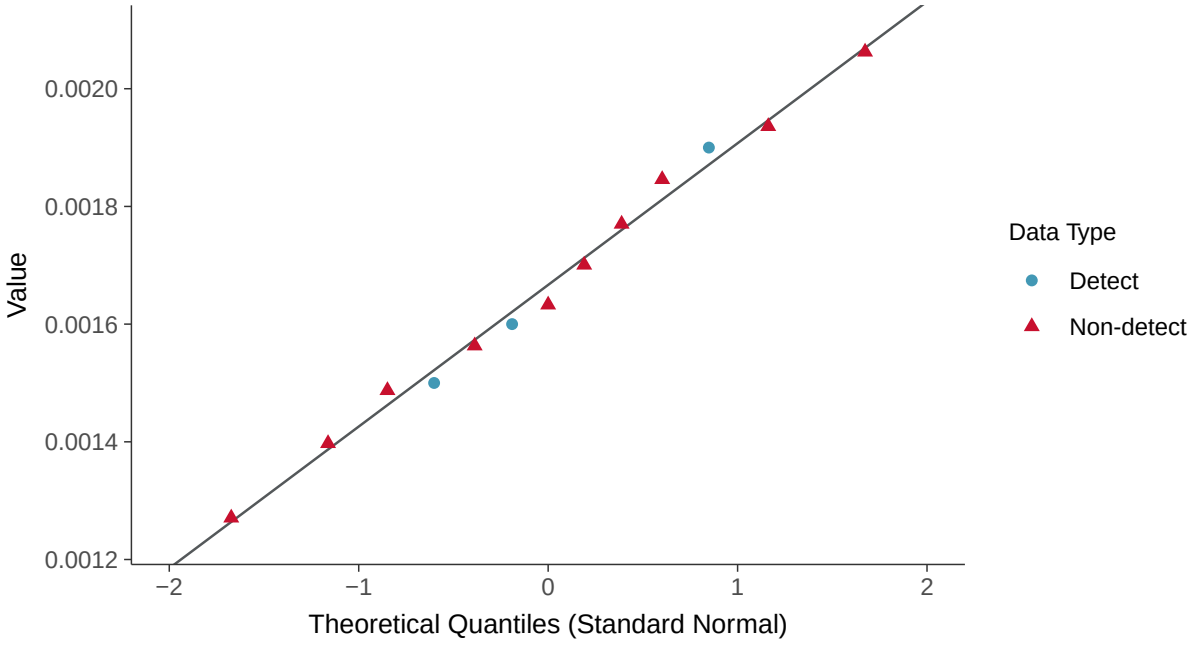
Boxplot by Season

Vanadium, MW-14 (mg/l)



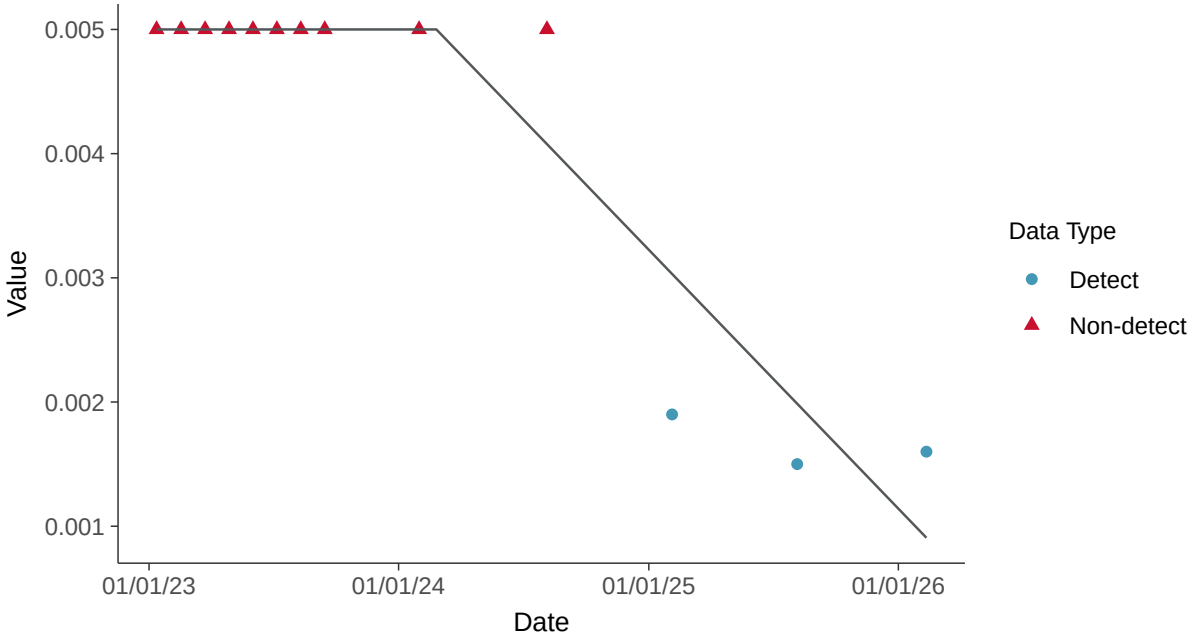
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-14 (mg/l)



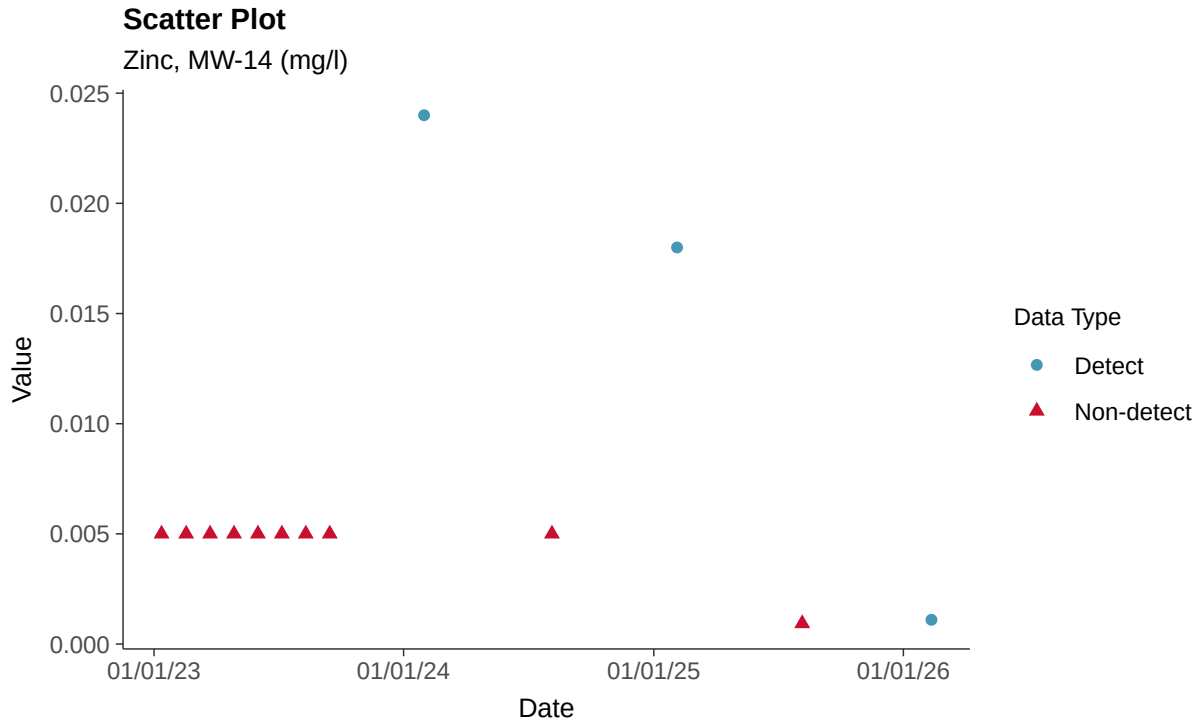
Trend Regression: Piecewise Linear-Linear

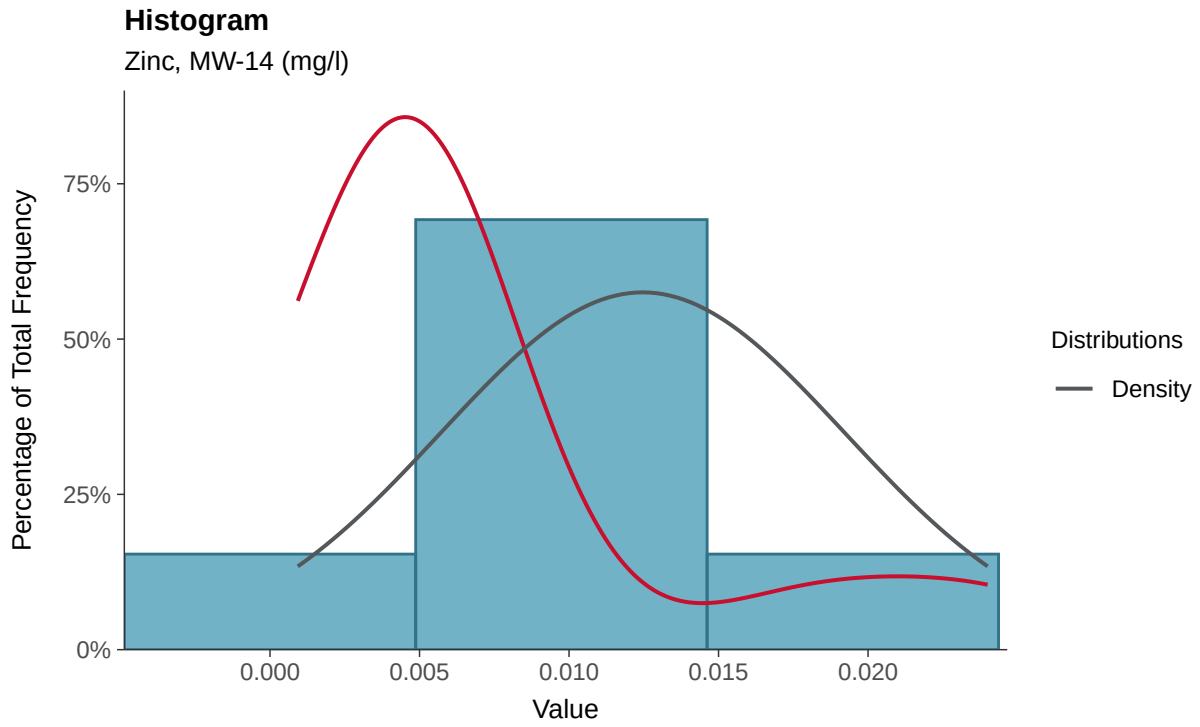
Vanadium, MW-14 (mg/l)



Part 115: Zinc, MW-14

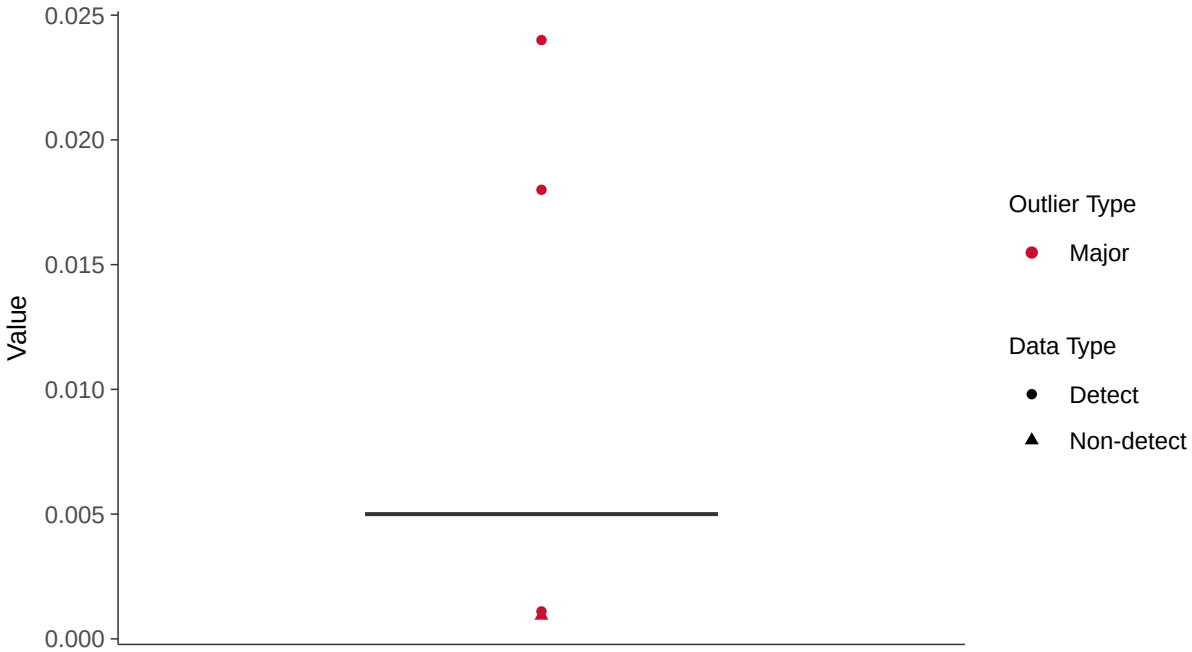
ID: 21_5_129





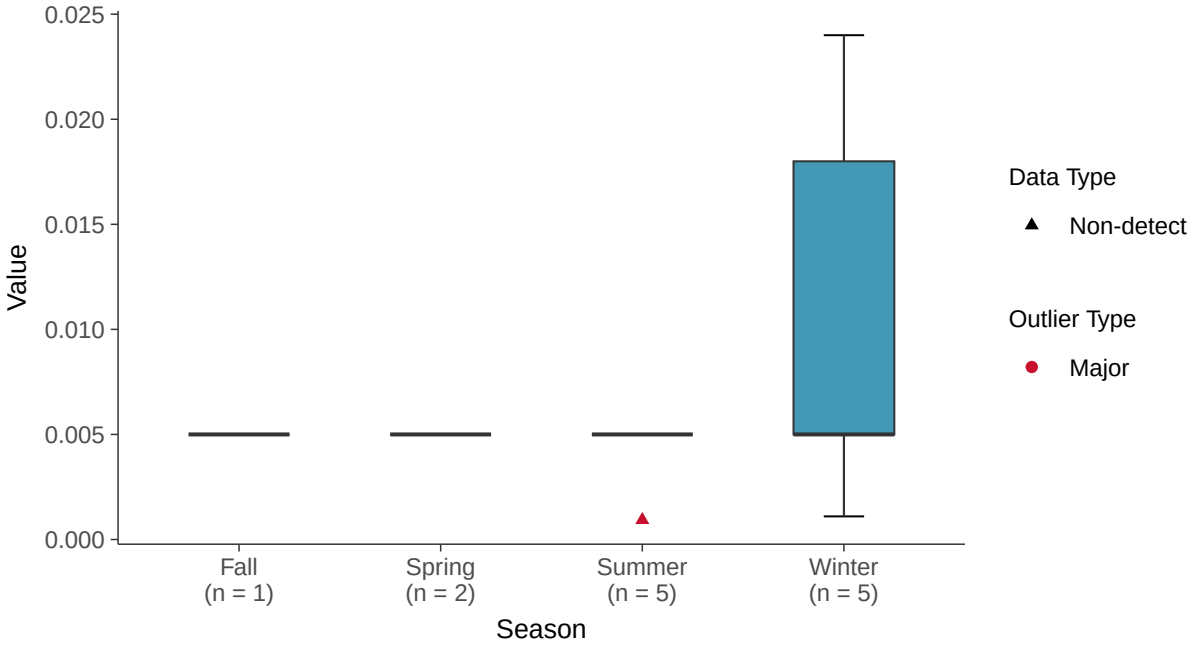
Boxplot

Zinc, MW-14 (mg/l)



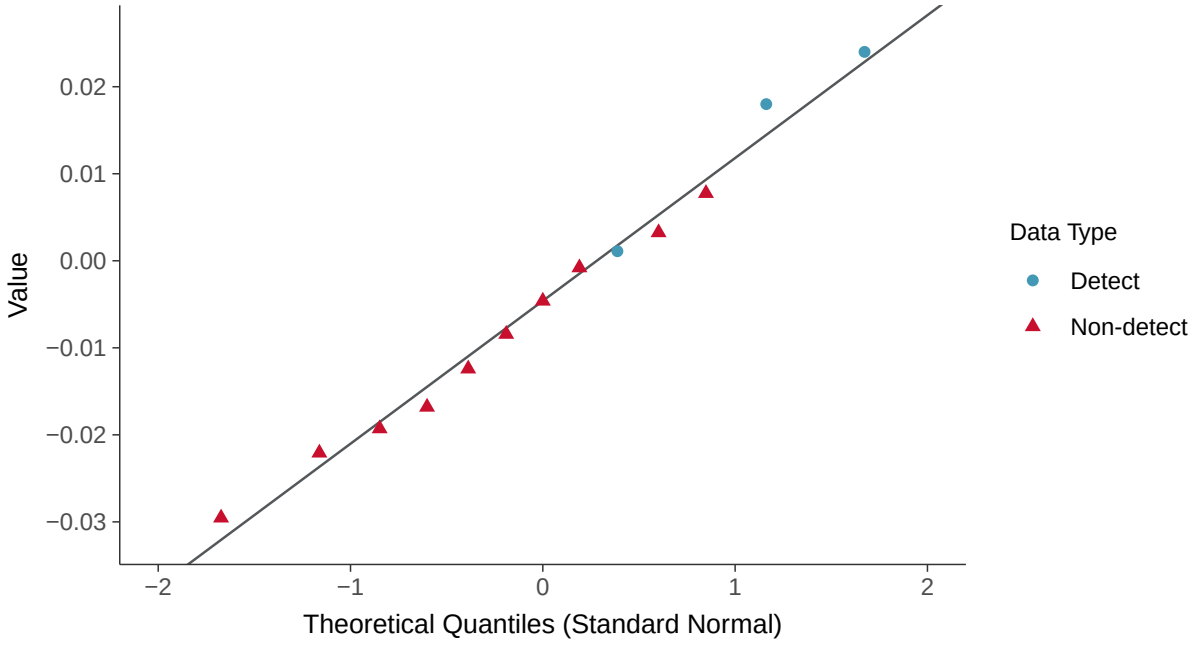
Boxplot by Season

Zinc, MW-14 (mg/l)



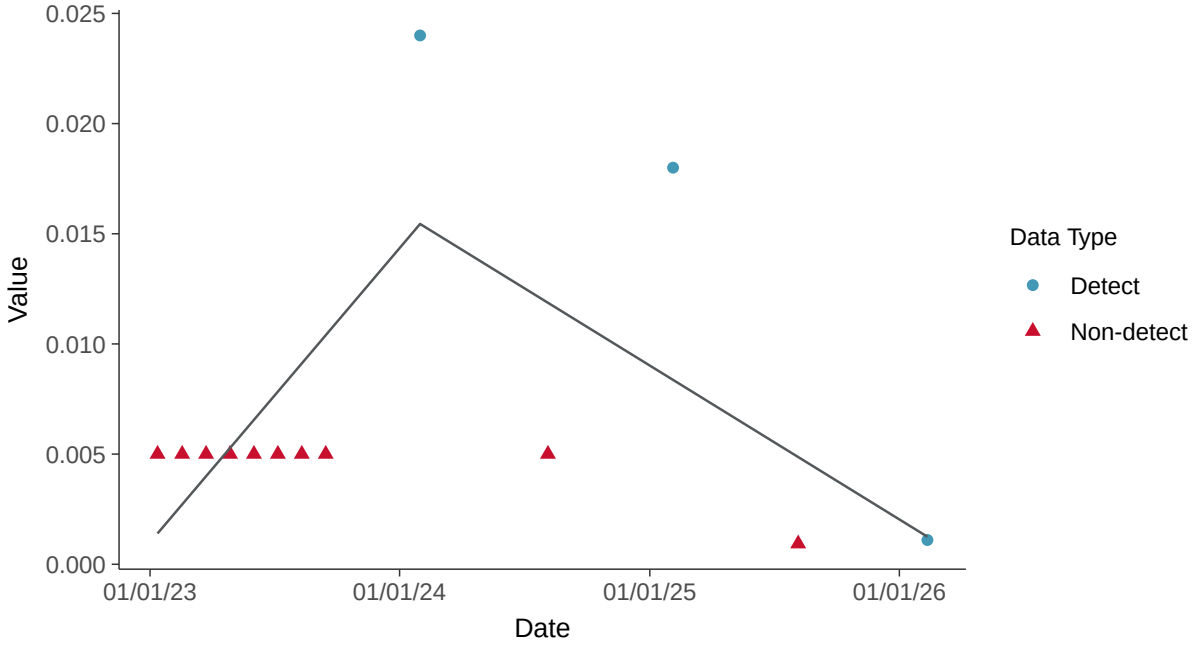
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-14 (mg/l)



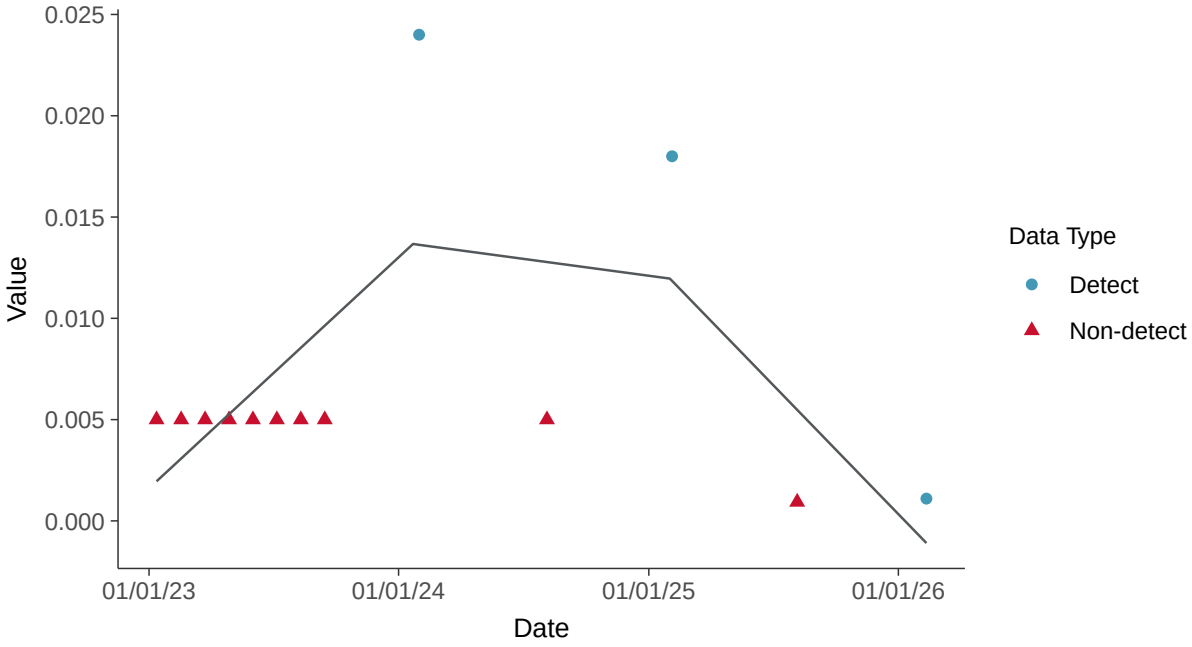
Trend Regression: Piecewise Linear-Linear

Zinc, MW-14 (mg/l)



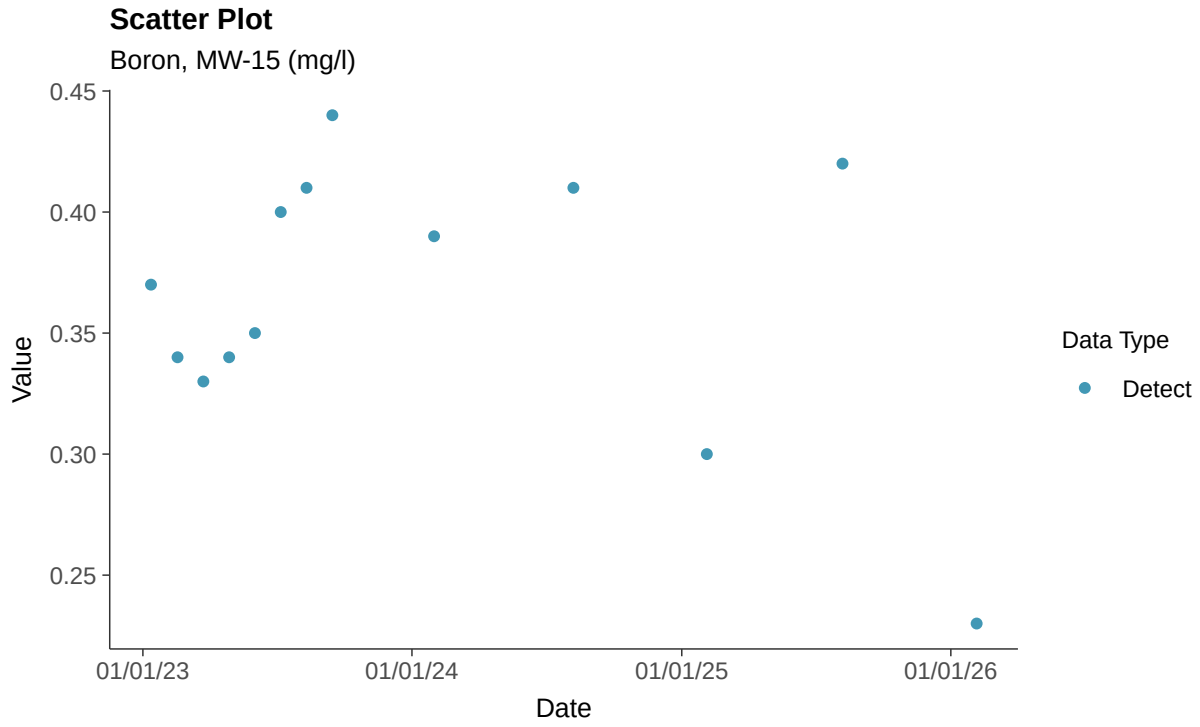
Trend Regression: Piecewise Linear-Linear-Linear

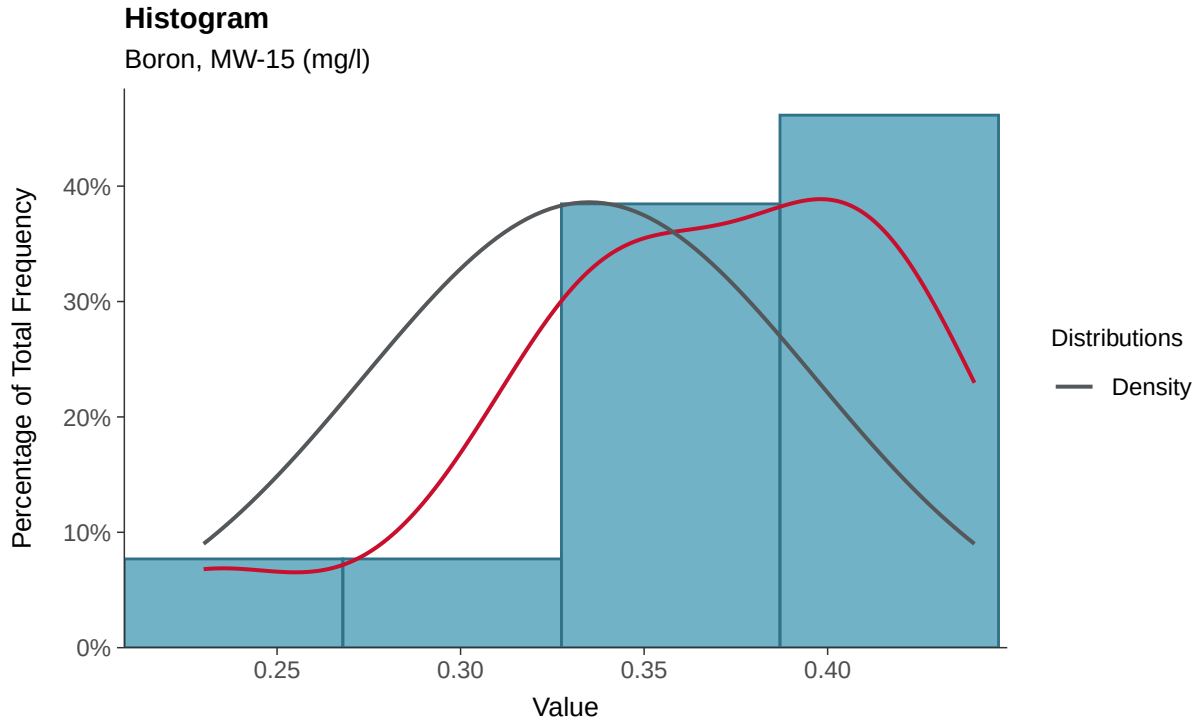
Zinc, MW-14 (mg/l)



Appendix III: Boron, MW-15

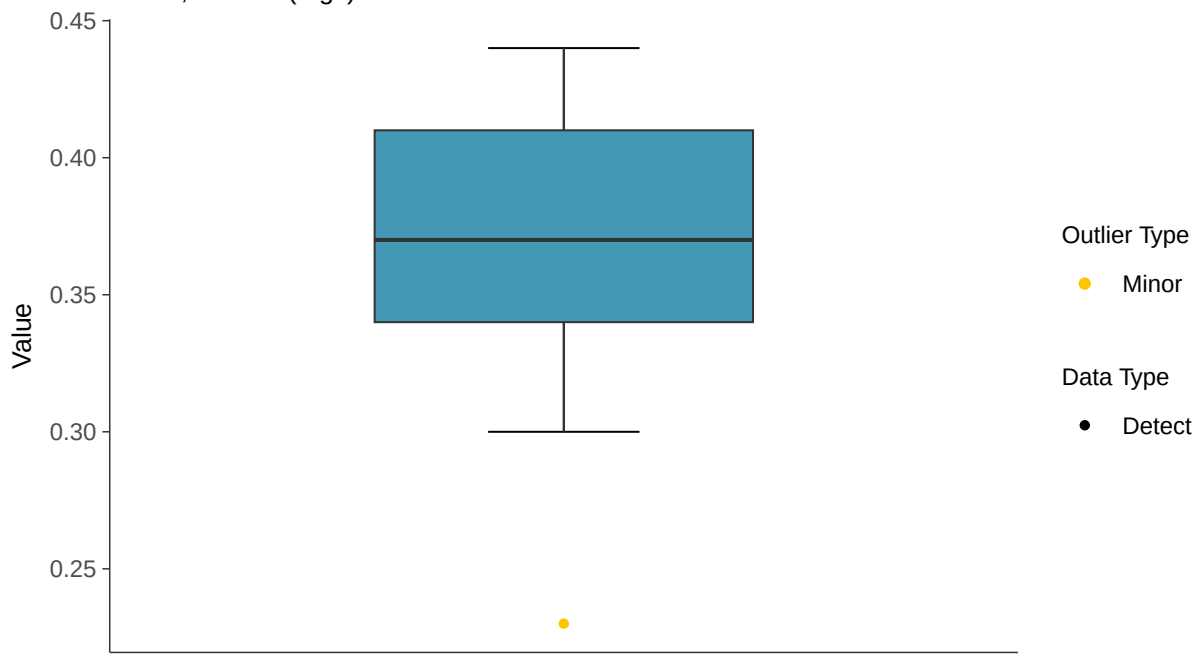
ID: 22_2_105





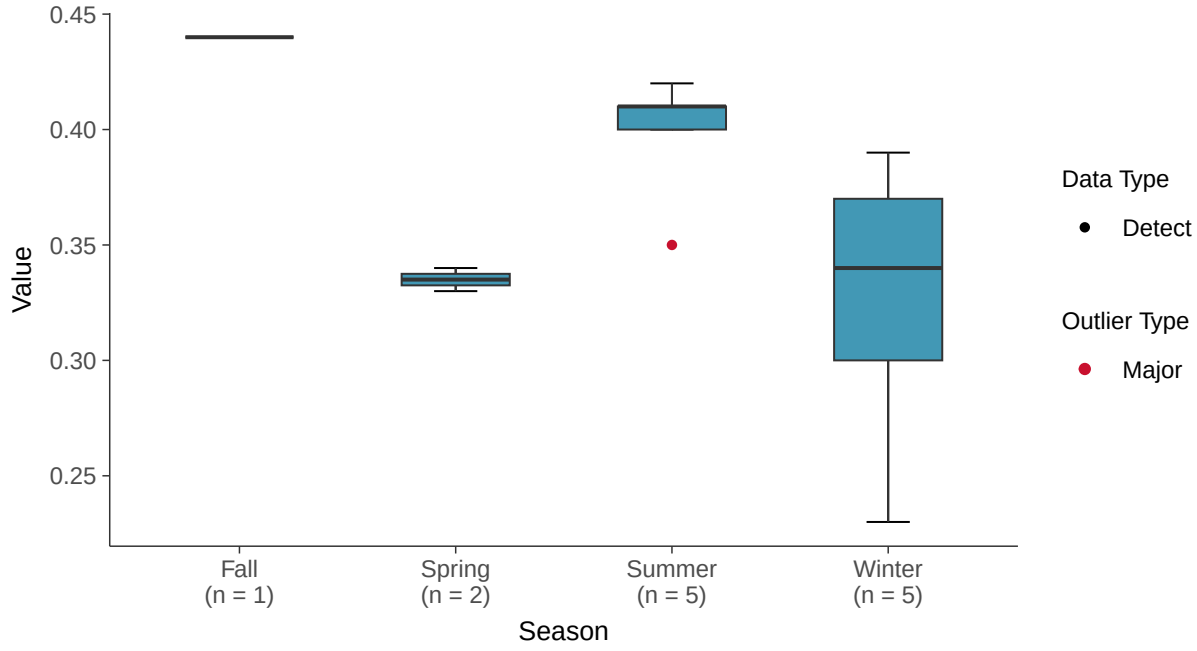
Boxplot

Boron, MW-15 (mg/l)



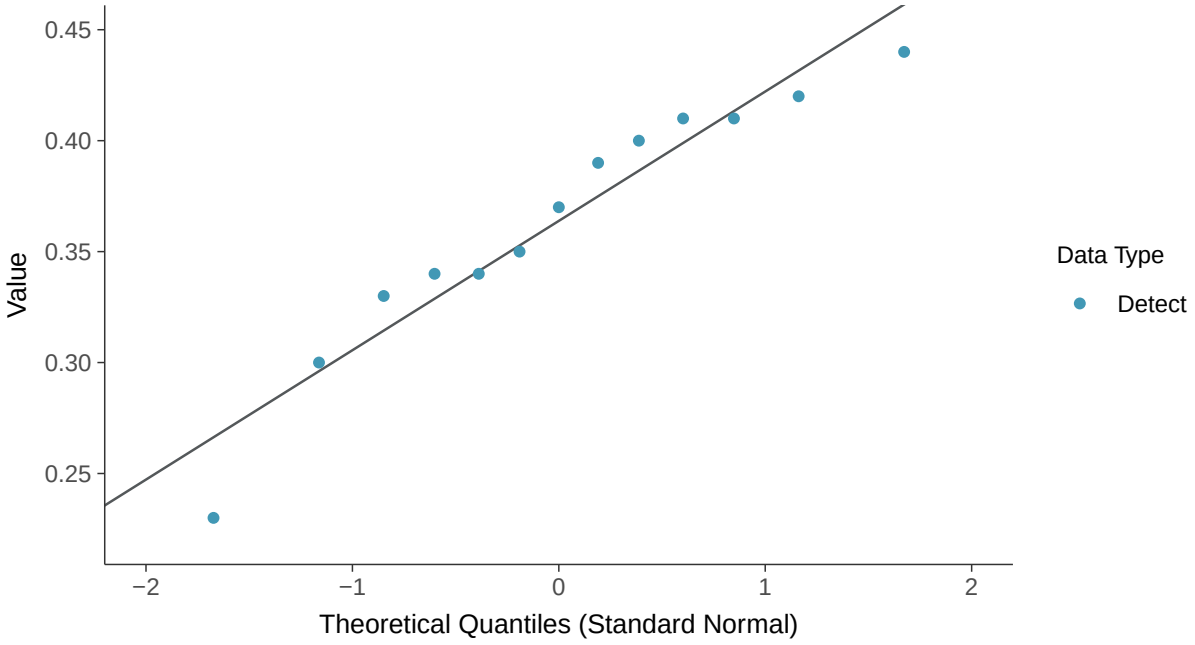
Boxplot by Season

Boron, MW-15 (mg/l)



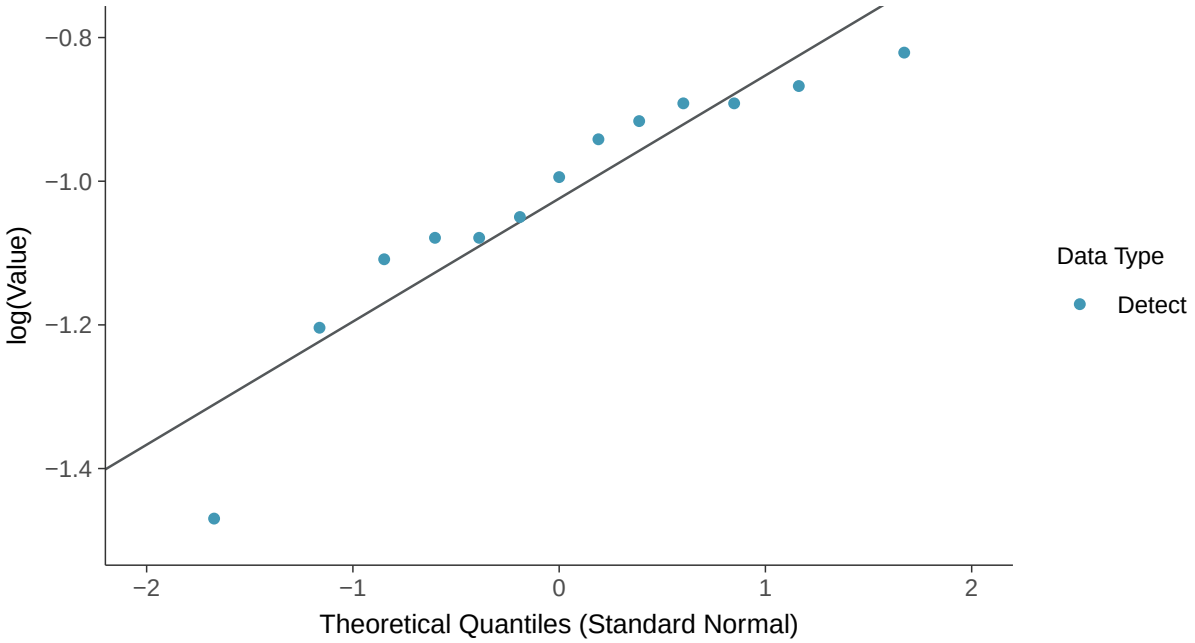
Normal Q-Q plot

Boron, MW-15 (mg/l)



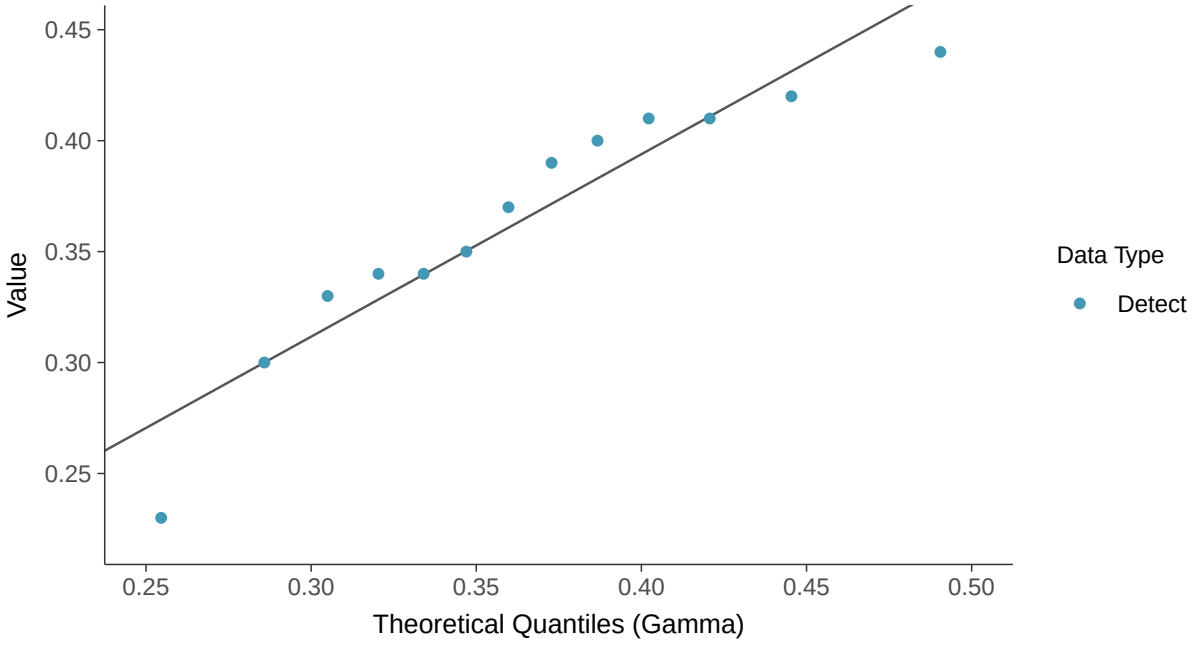
Lognormal Q-Q plot

Boron, MW-15 (mg/l)



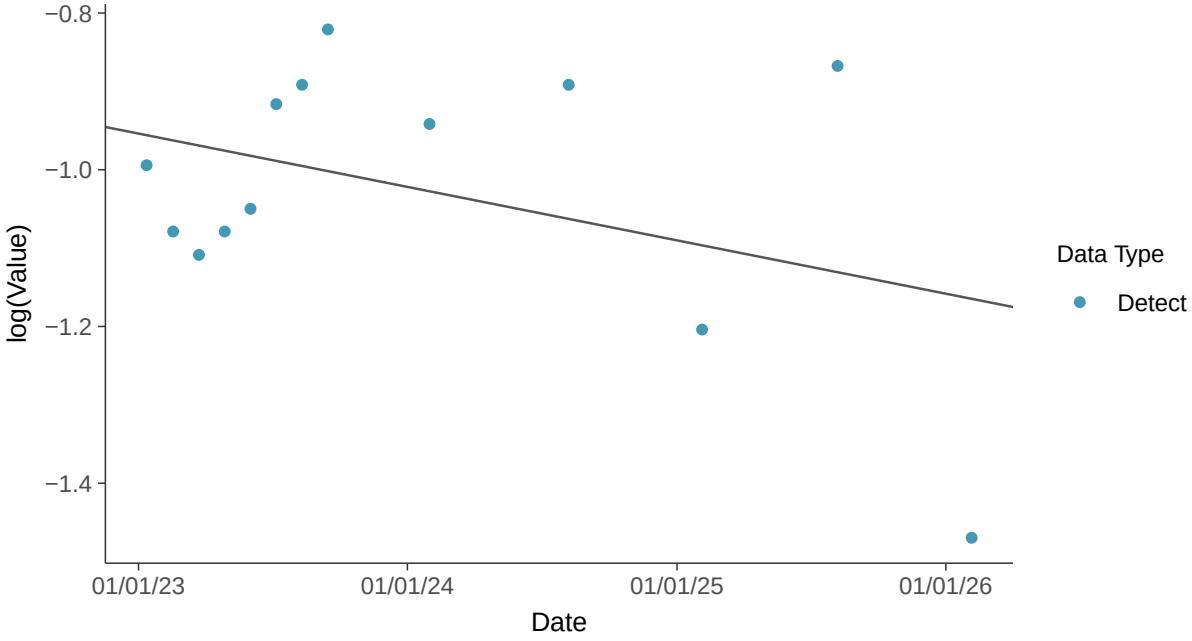
Gamma Q-Q plot

Boron, MW-15 (mg/l)



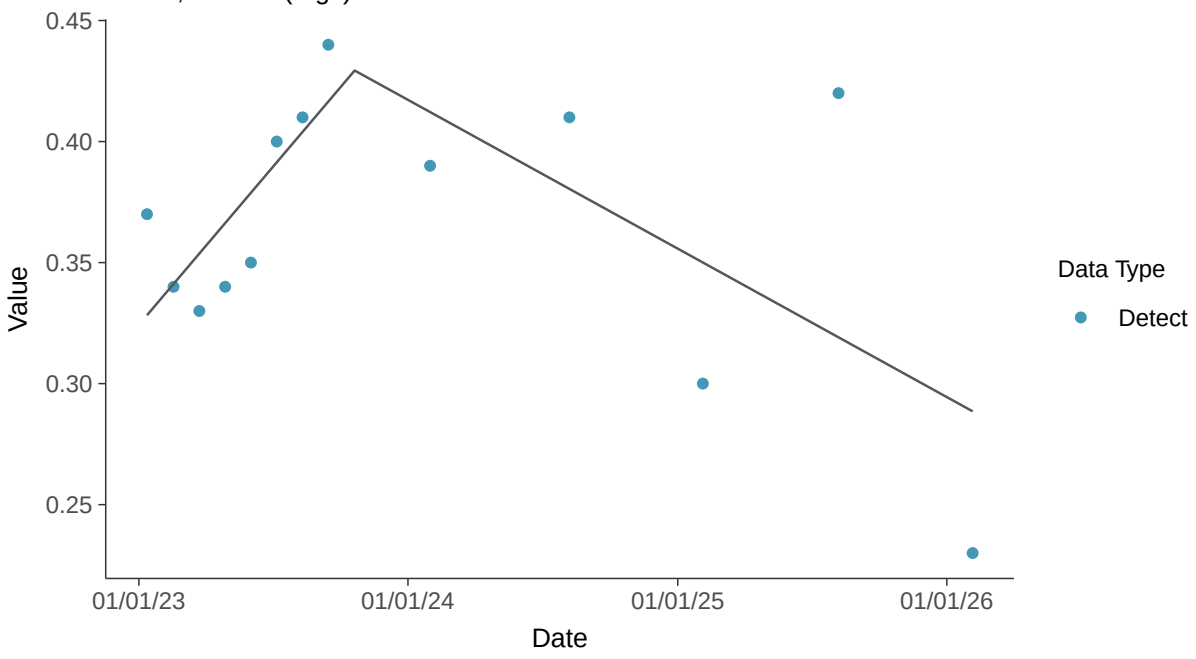
Trend Regression: Lognormal MLE

Boron, MW-15 (mg/l)



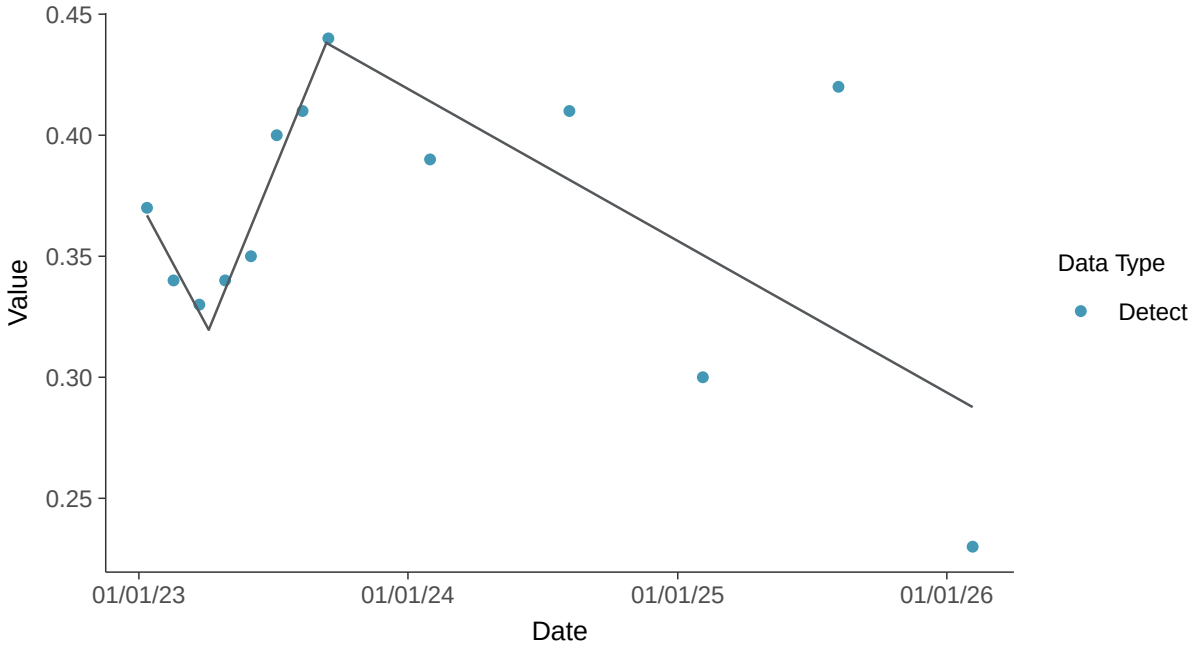
Trend Regression: Piecewise Linear-Linear

Boron, MW-15 (mg/l)



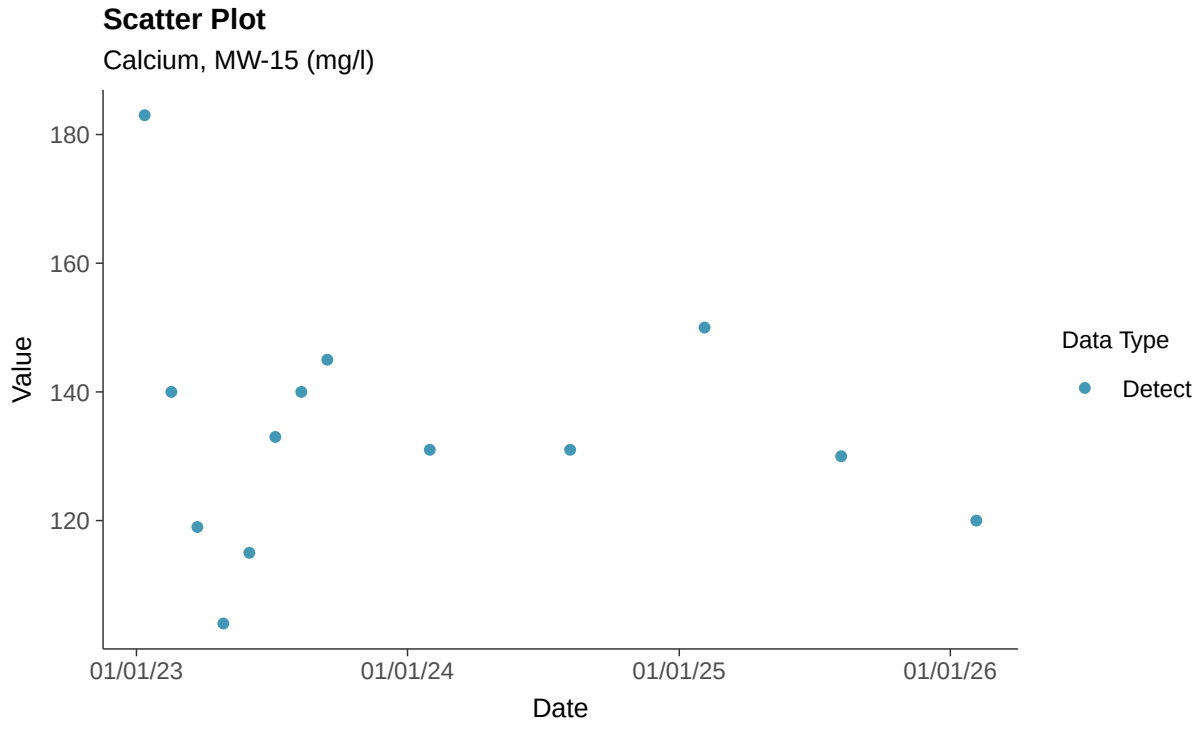
Trend Regression: Piecewise Linear-Linear-Linear

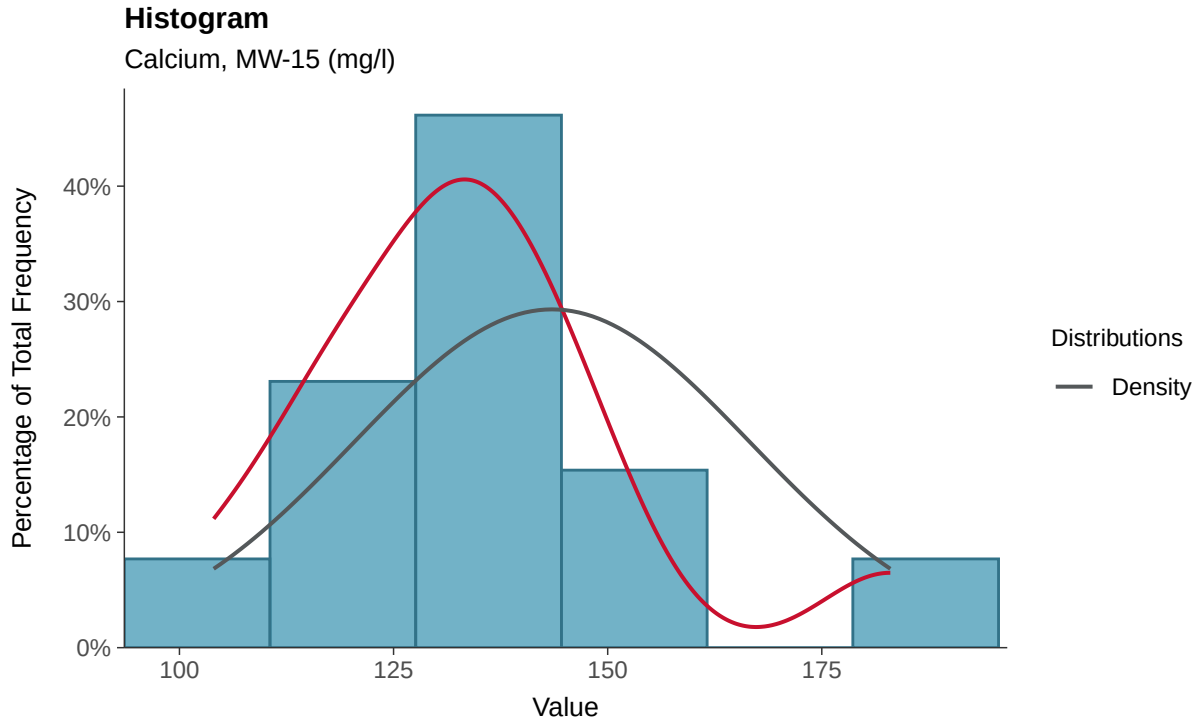
Boron, MW-15 (mg/l)



Appendix III: Calcium, MW-15

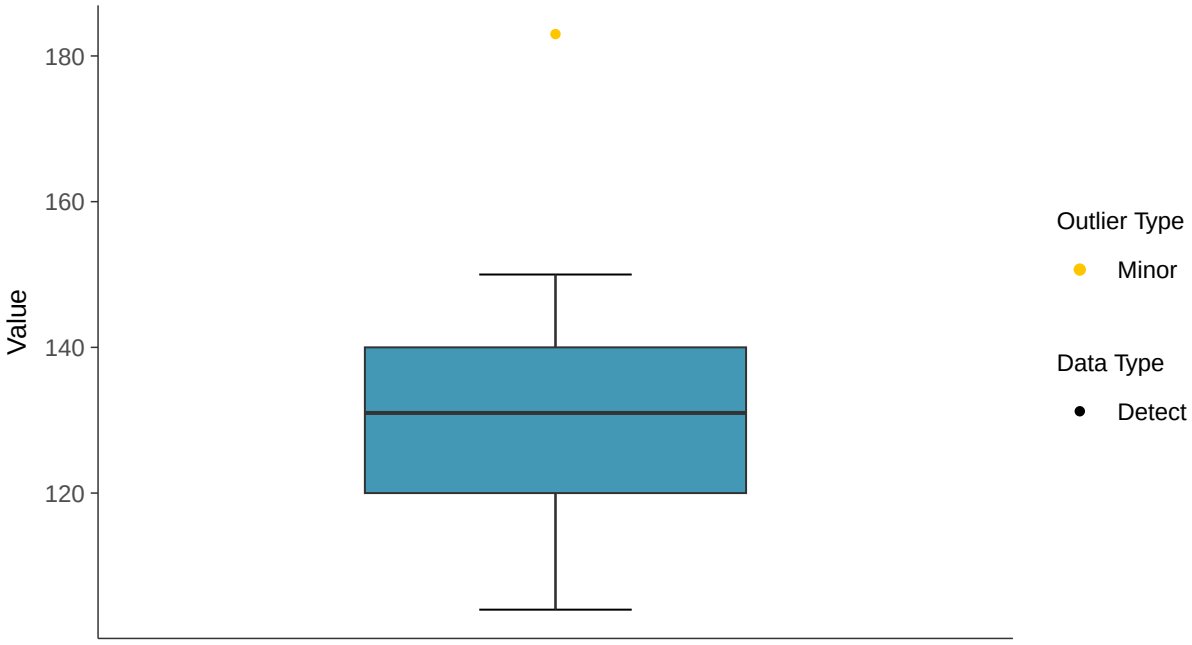
ID: 22_2_107





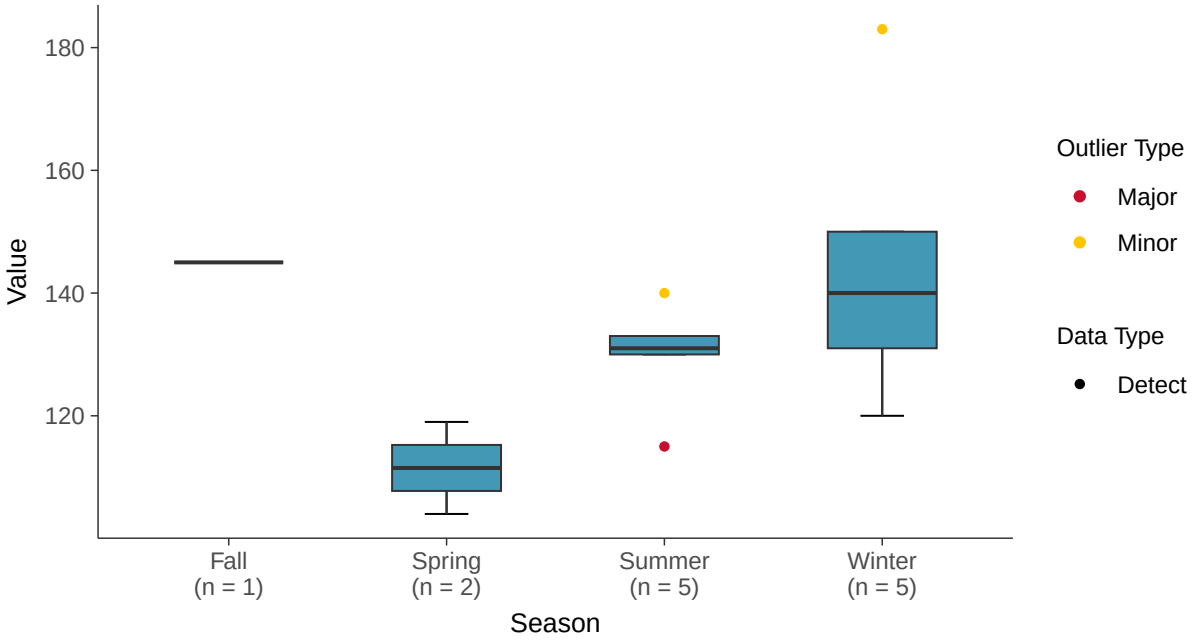
Boxplot

Calcium, MW-15 (mg/l)



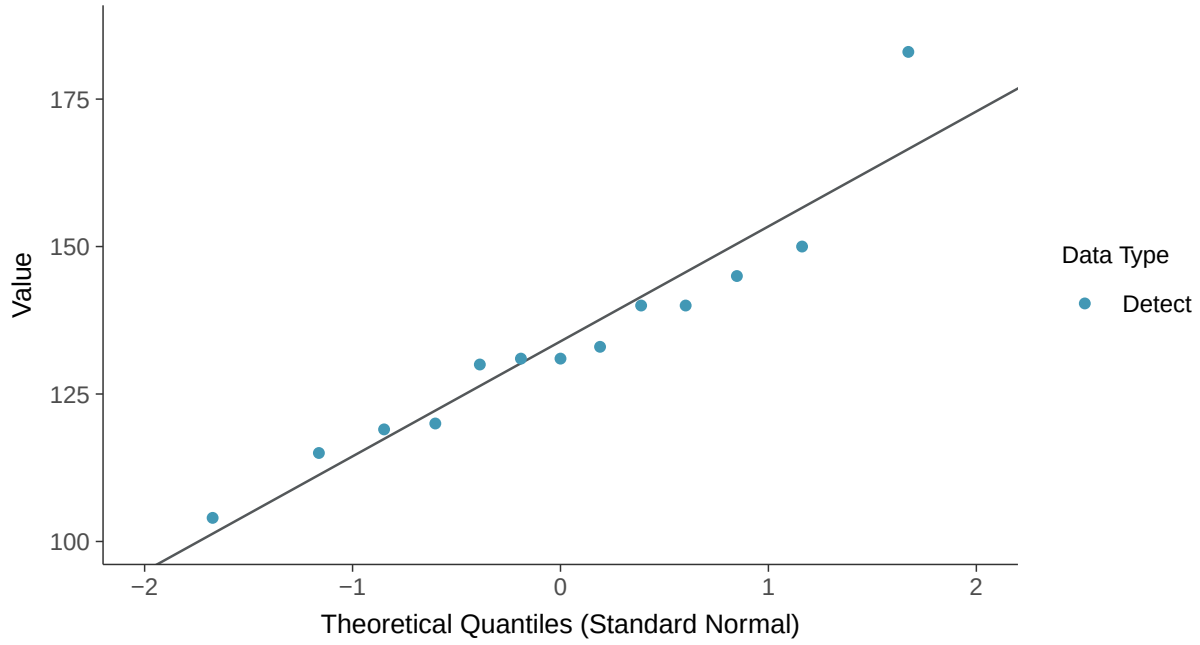
Boxplot by Season

Calcium, MW-15 (mg/l)



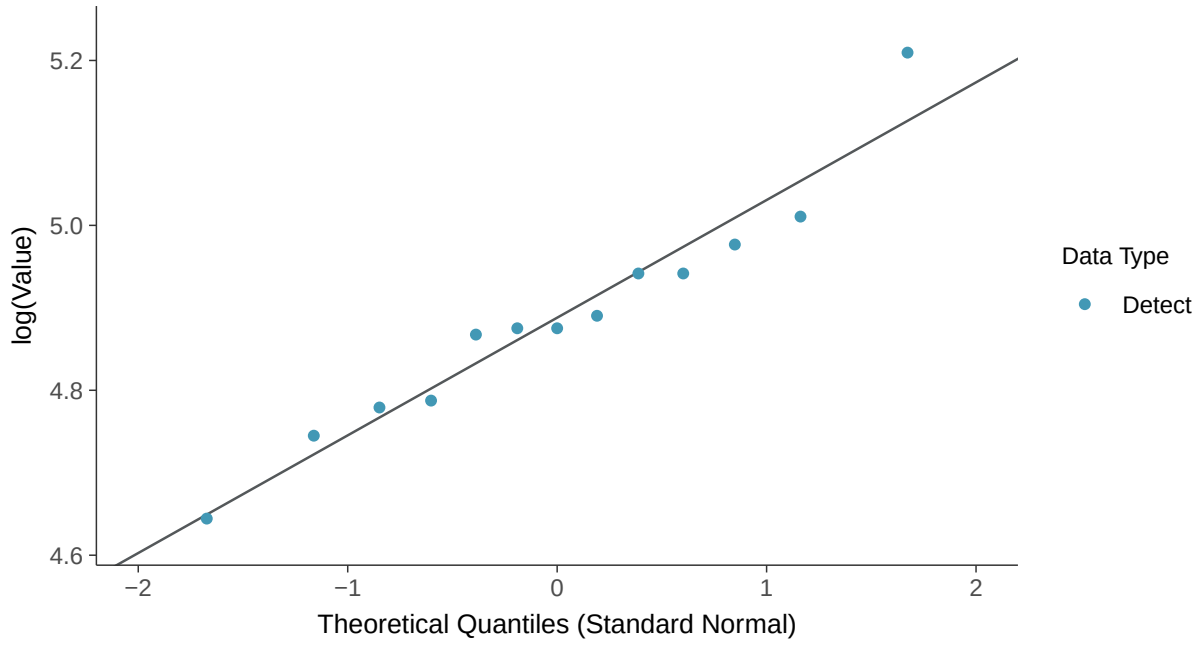
Normal Q-Q plot

Calcium, MW-15 (mg/l)



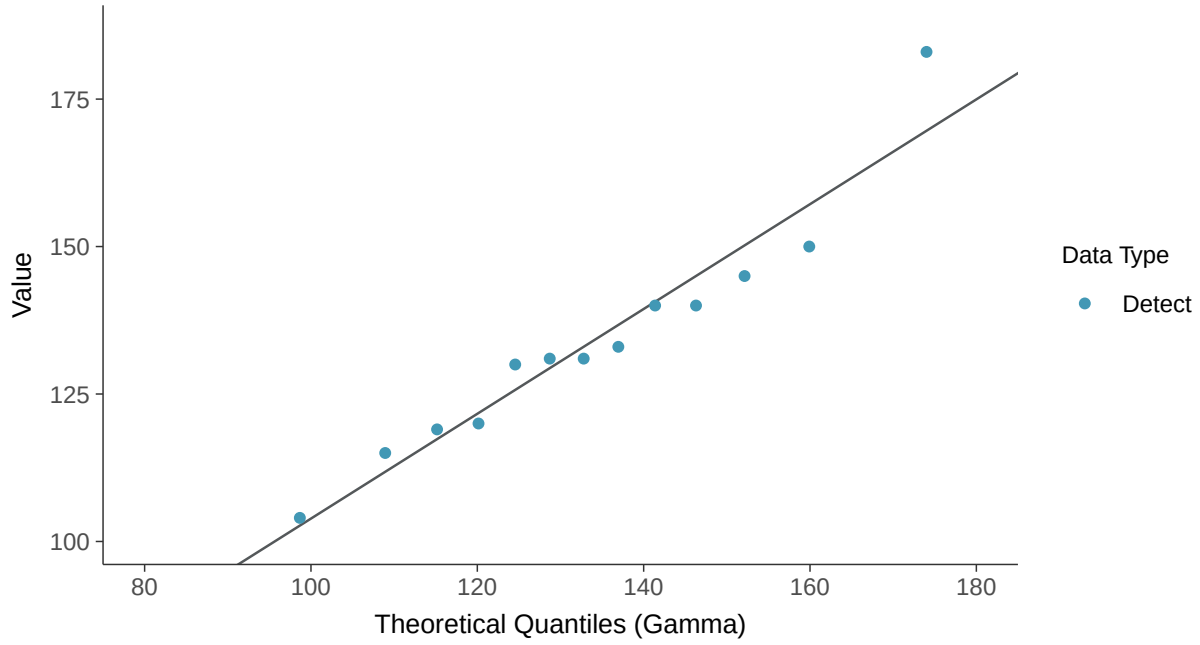
Lognormal Q-Q plot

Calcium, MW-15 (mg/l)



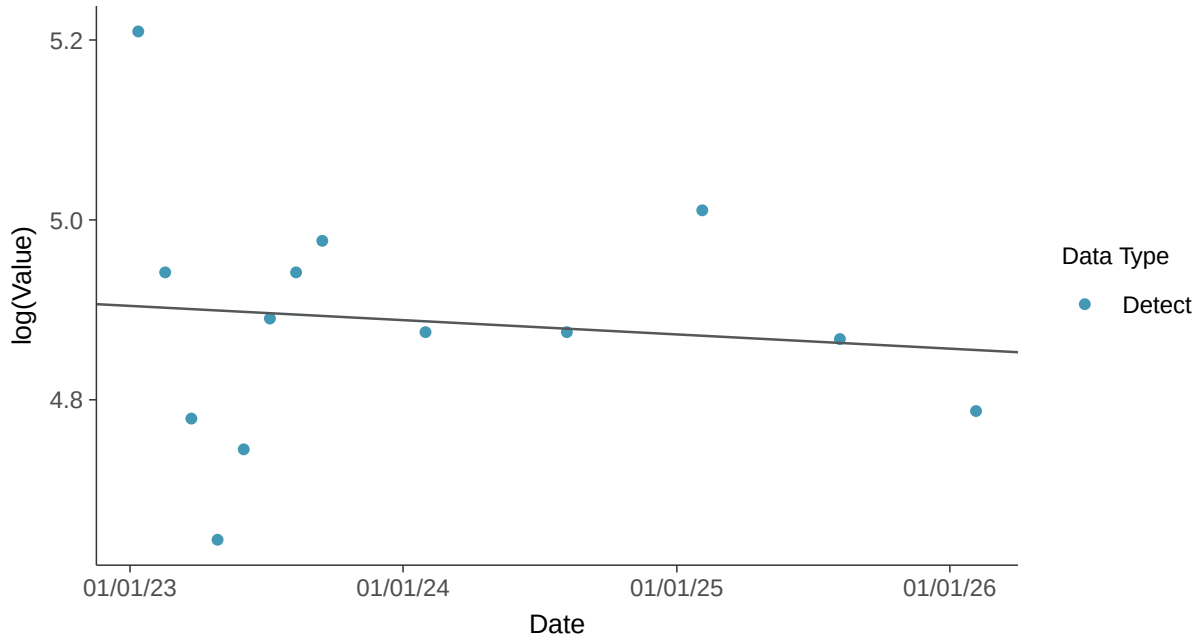
Gamma Q-Q plot

Calcium, MW-15 (mg/l)



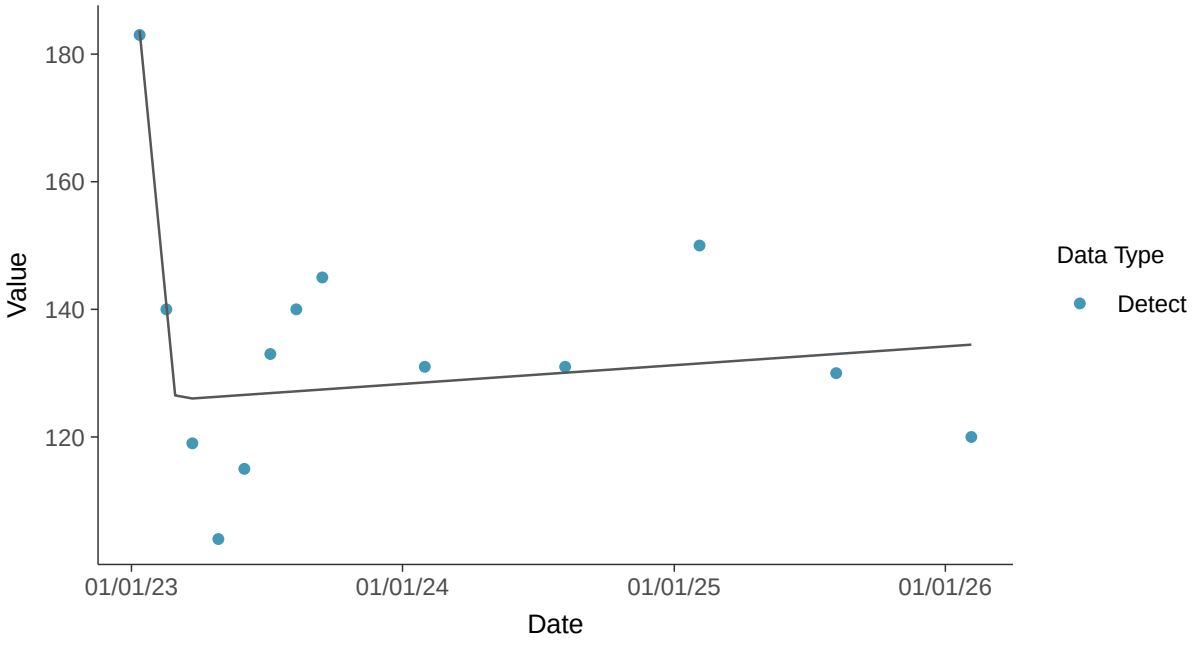
Trend Regression: Lognormal MLE

Calcium, MW-15 (mg/l)



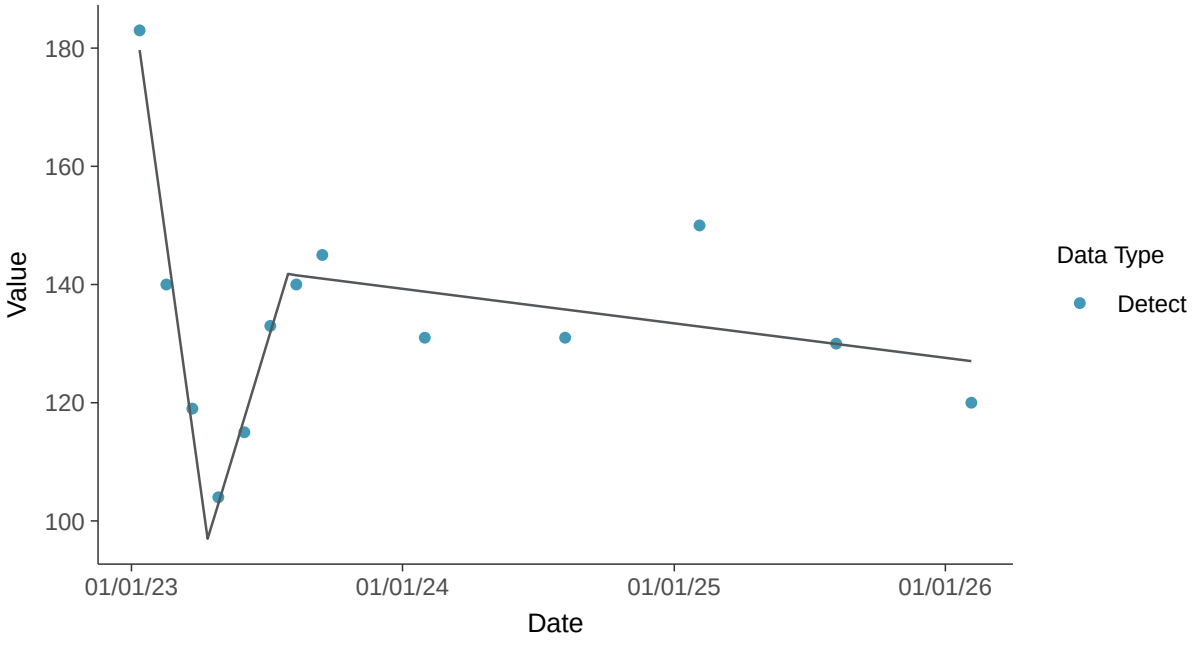
Trend Regression: Piecewise Linear-Linear

Calcium, MW-15 (mg/l)



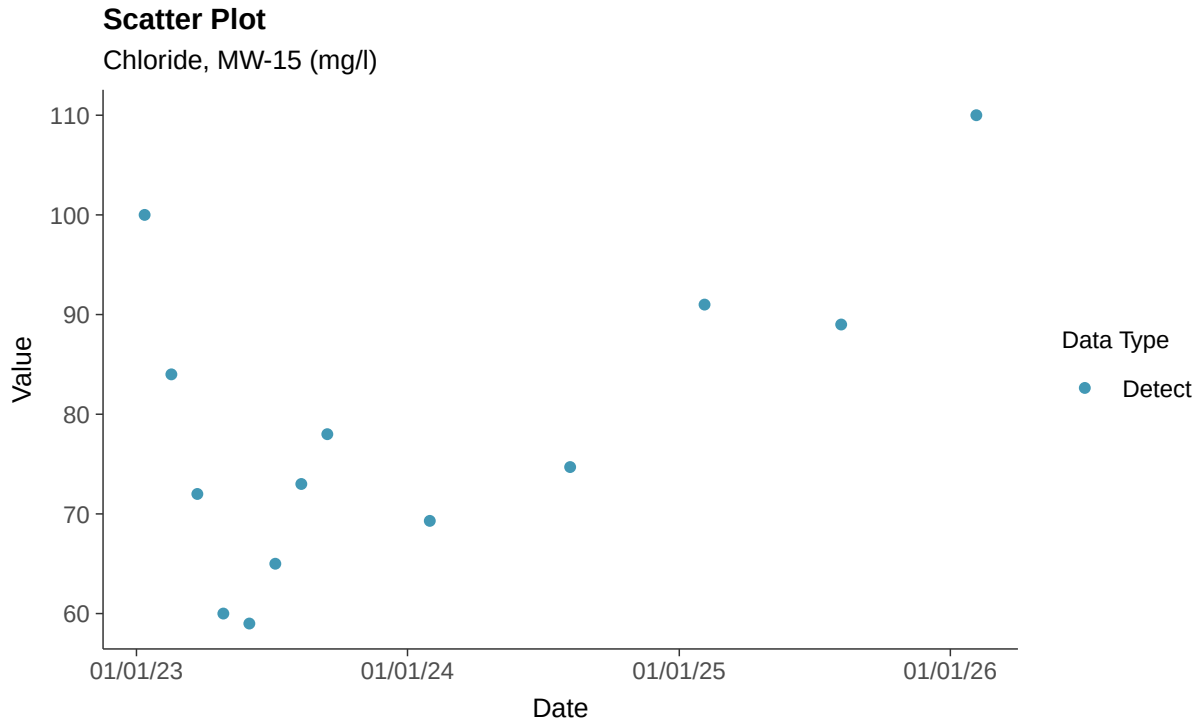
Trend Regression: Piecewise Linear-Linear-Linear

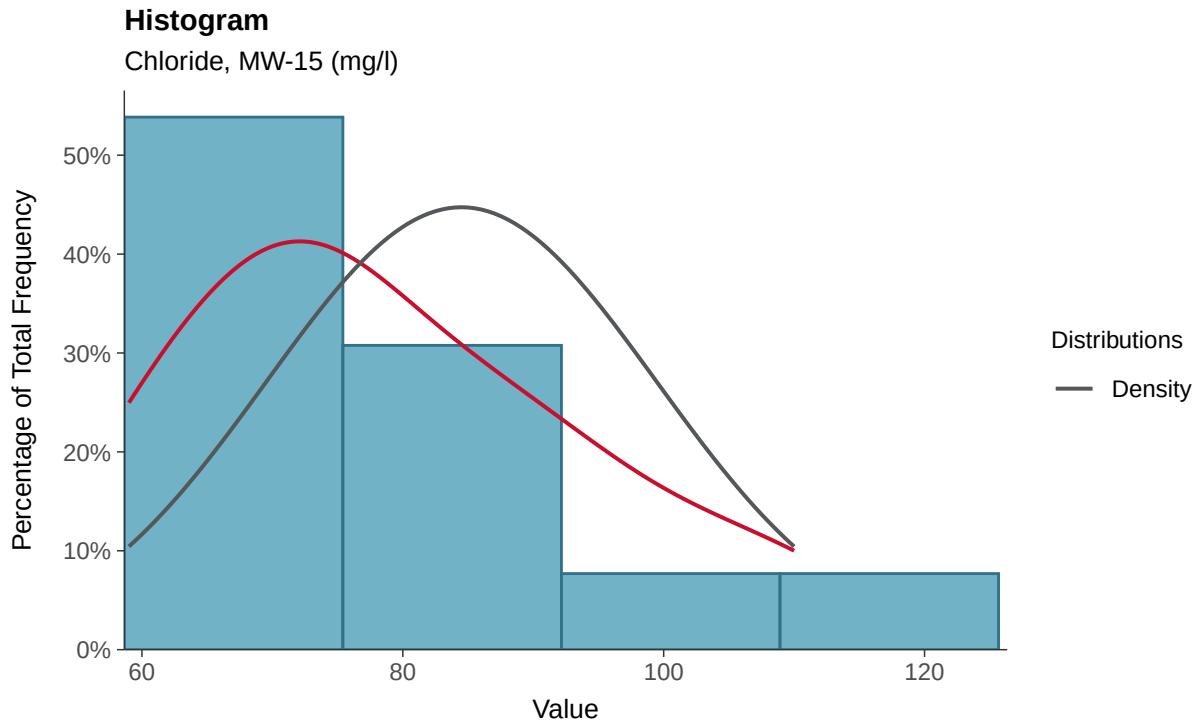
Calcium, MW-15 (mg/l)



Appendix III: Chloride, MW-15

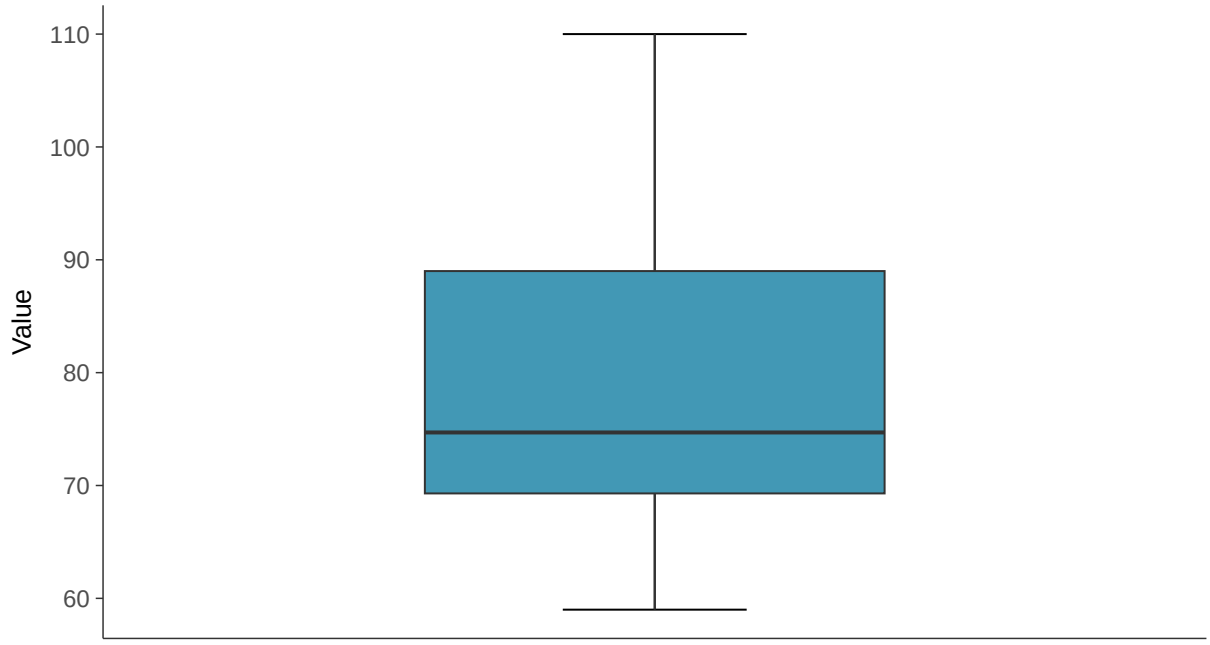
ID: 22_2_108





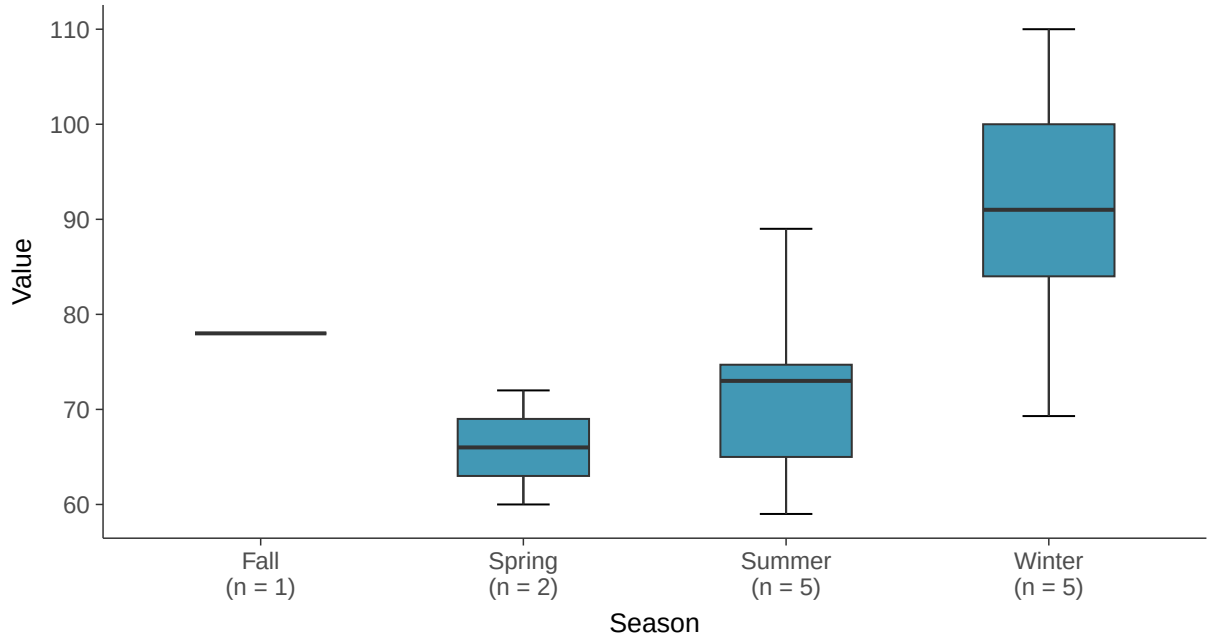
Boxplot

Chloride, MW-15 (mg/l)



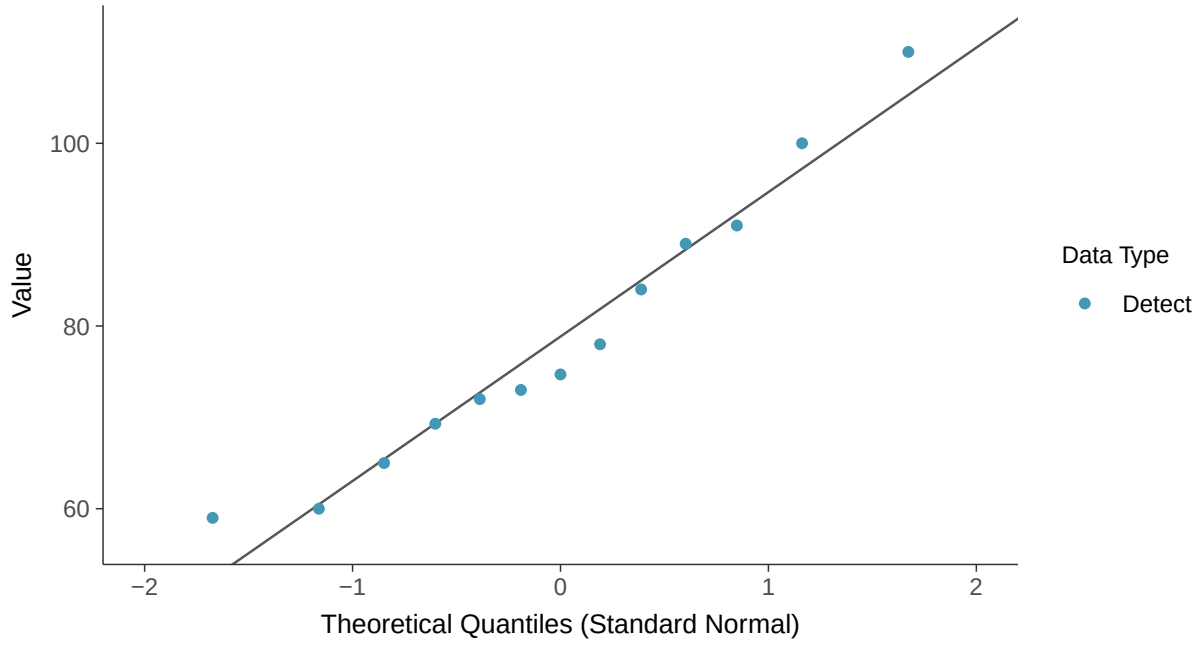
Boxplot by Season

Chloride, MW-15 (mg/l)



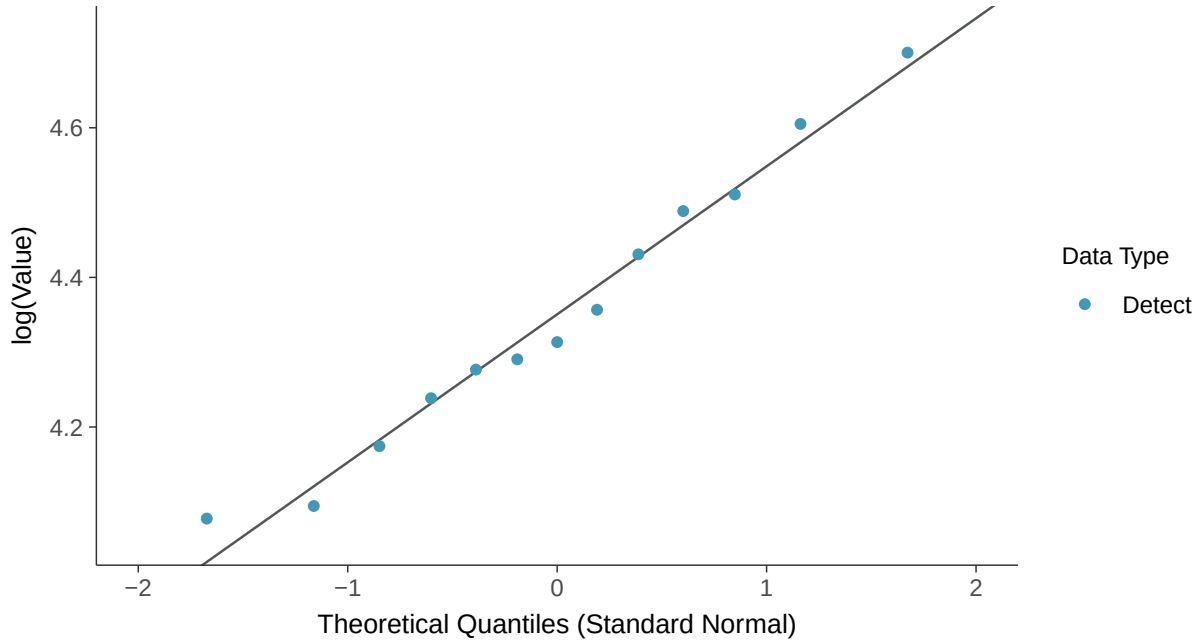
Normal Q-Q plot

Chloride, MW-15 (mg/l)



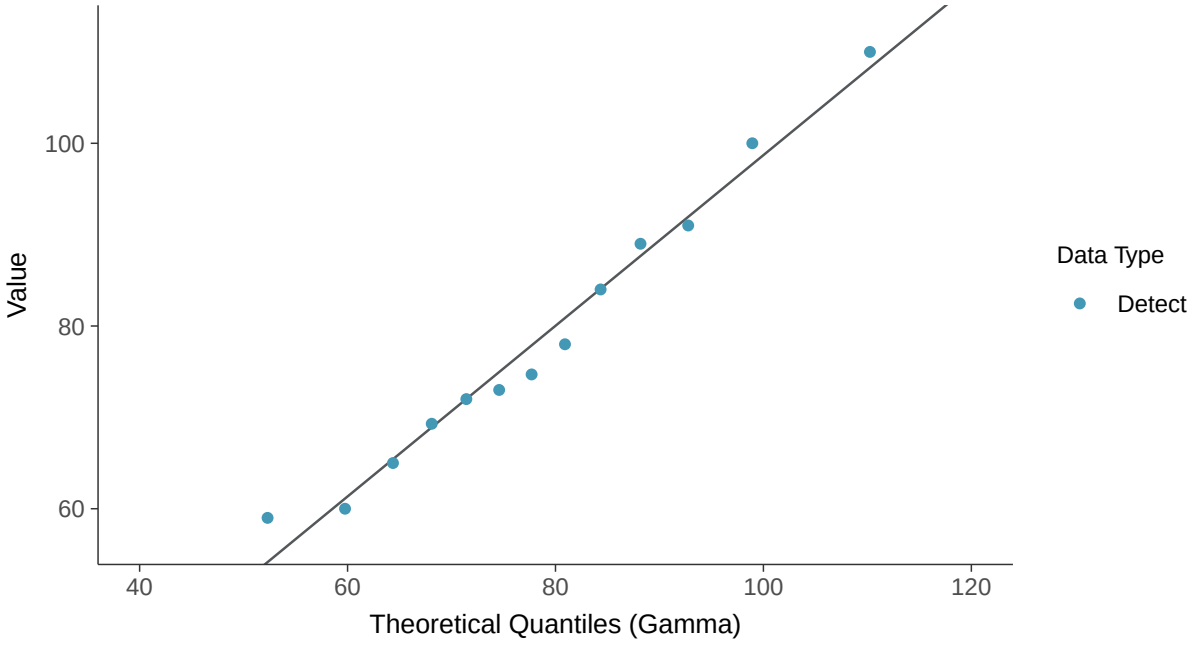
Lognormal Q-Q plot

Chloride, MW-15 (mg/l)



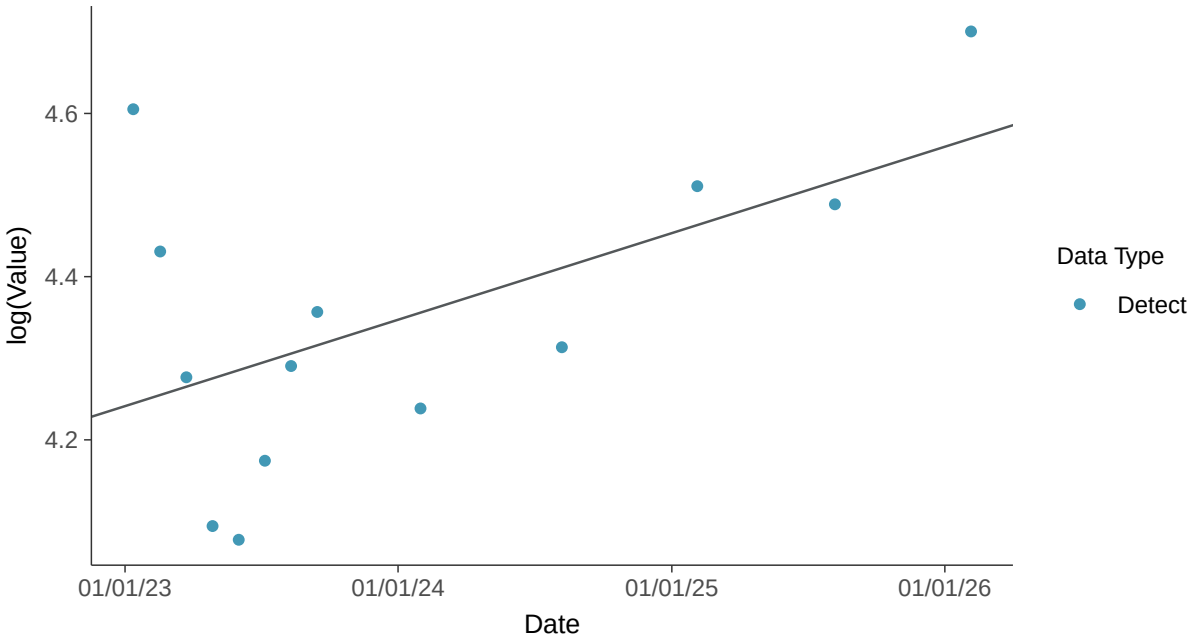
Gamma Q-Q plot

Chloride, MW-15 (mg/l)



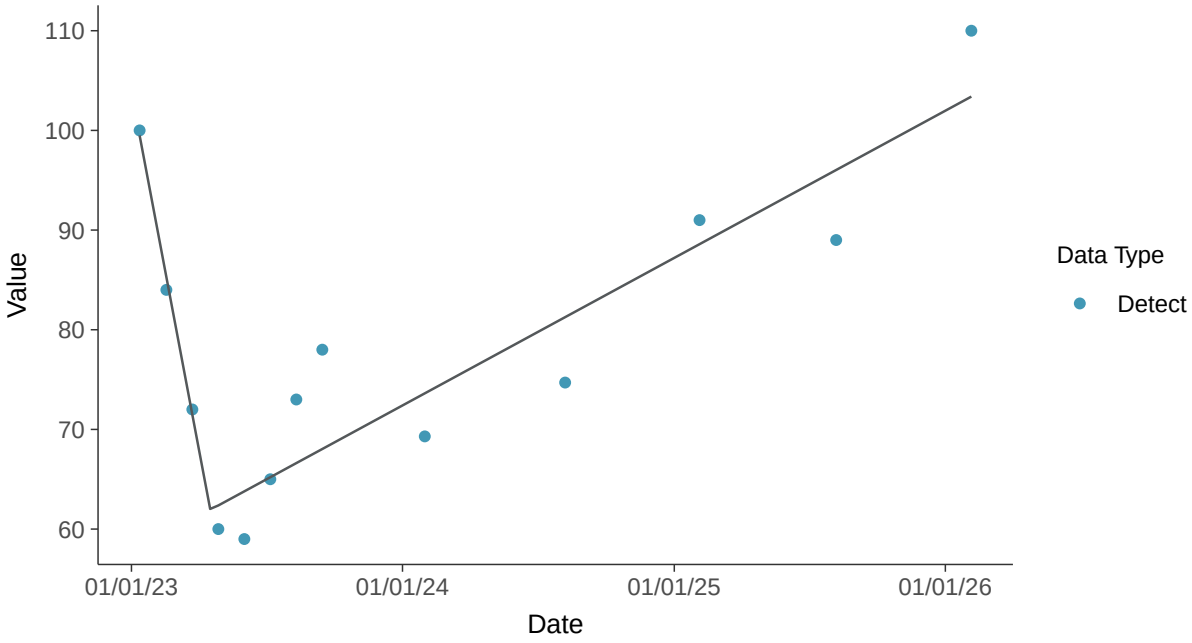
Trend Regression: Lognormal MLE

Chloride, MW-15 (mg/l)



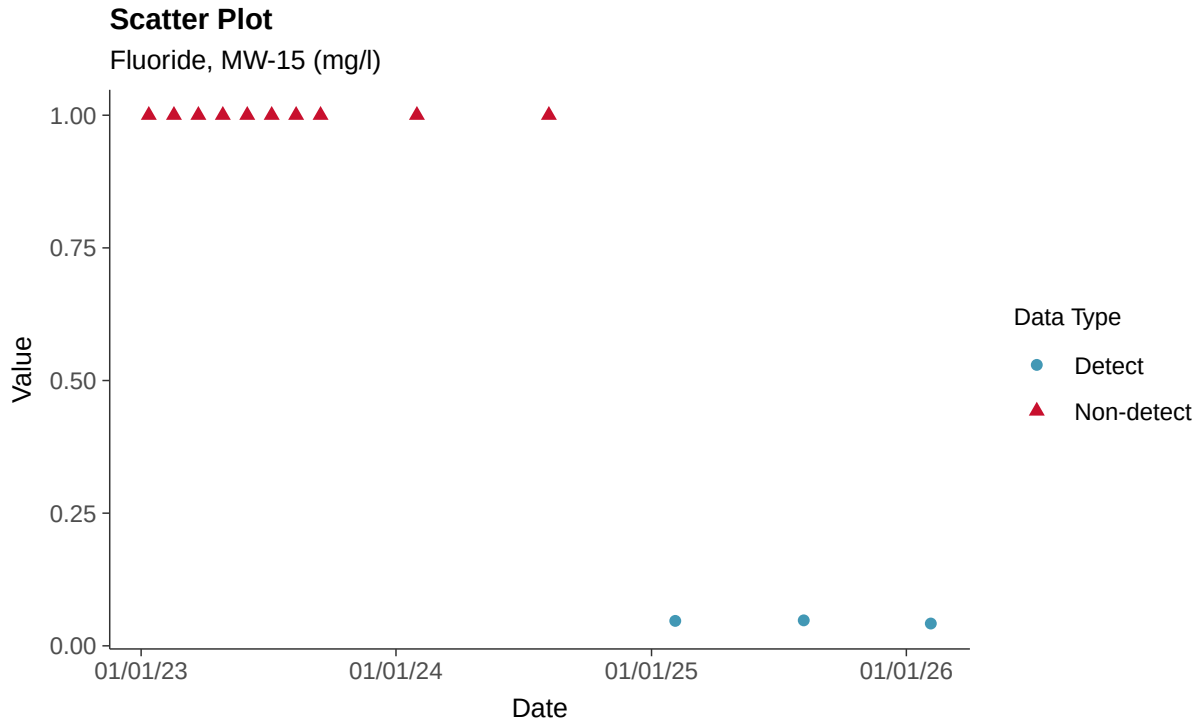
Trend Regression: Piecewise Linear-Linear

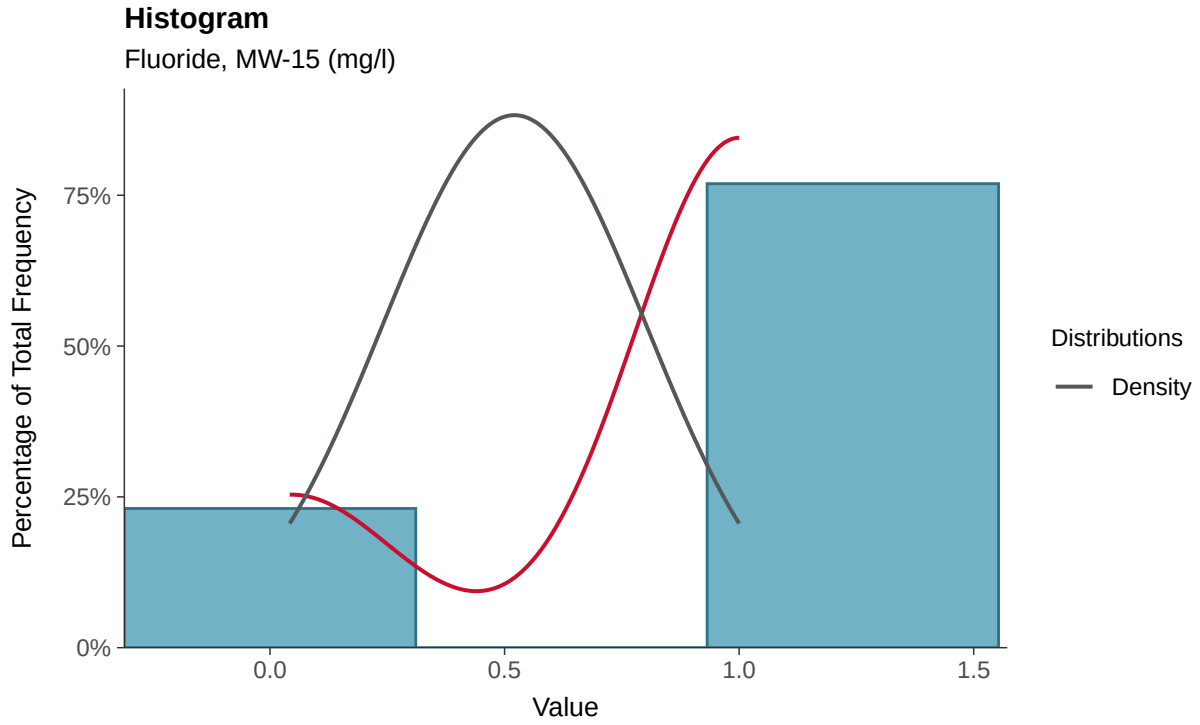
Chloride, MW-15 (mg/l)



Appendix III: Fluoride, MW-15

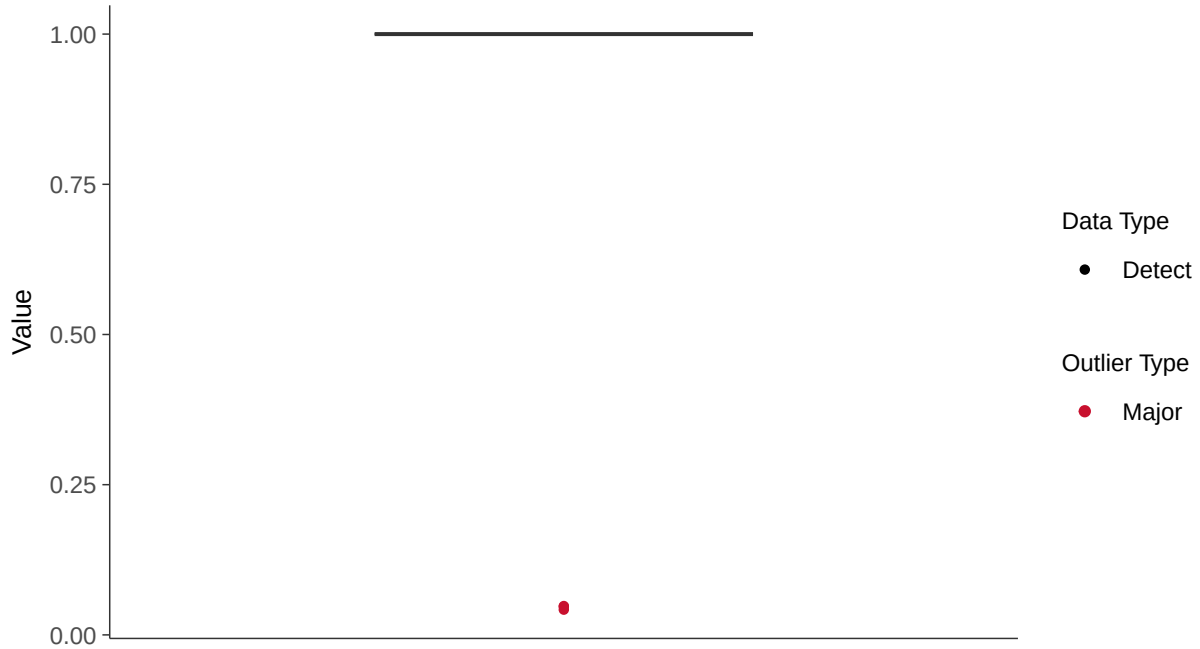
ID: 22_2_112





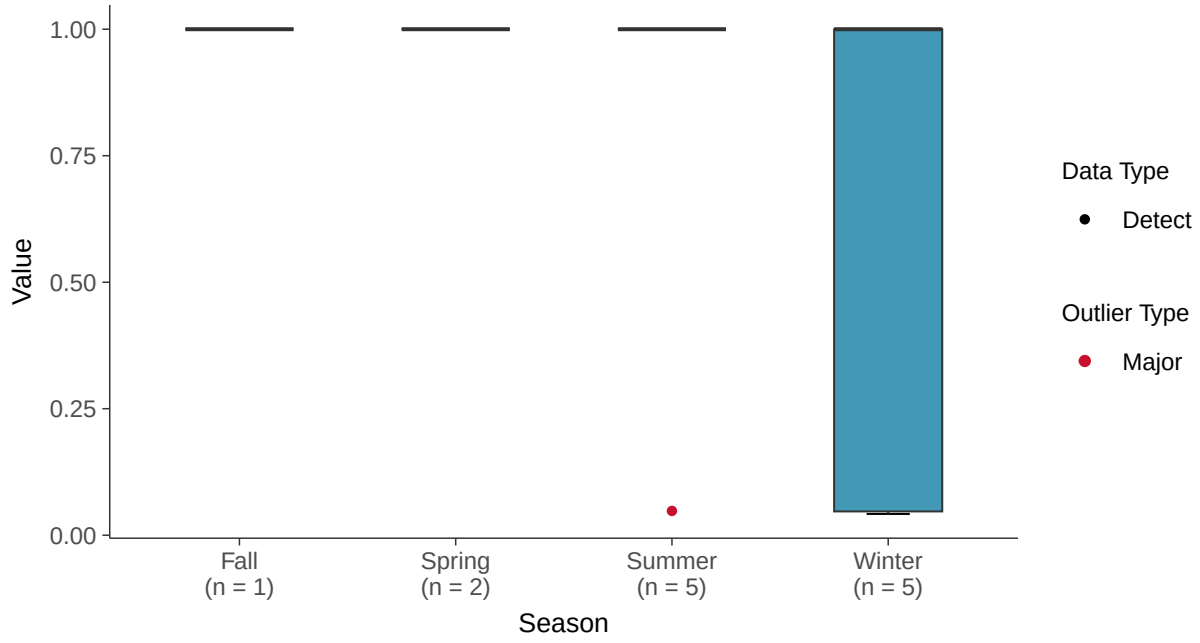
Boxplot

Fluoride, MW-15 (mg/l)



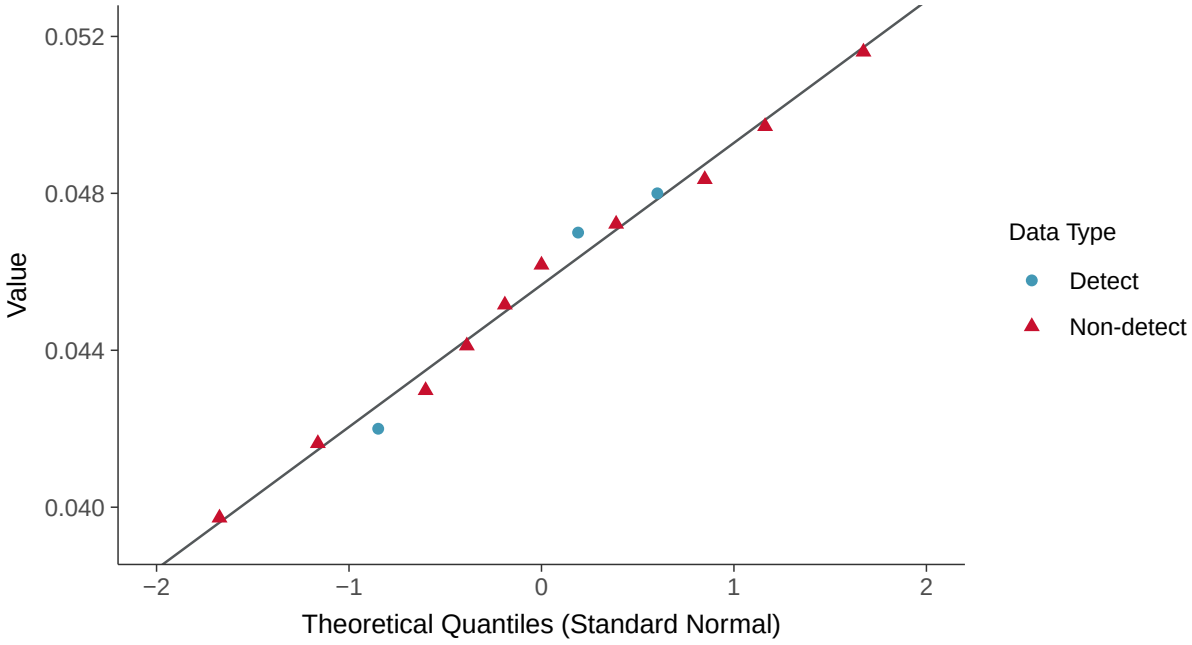
Boxplot by Season

Fluoride, MW-15 (mg/l)



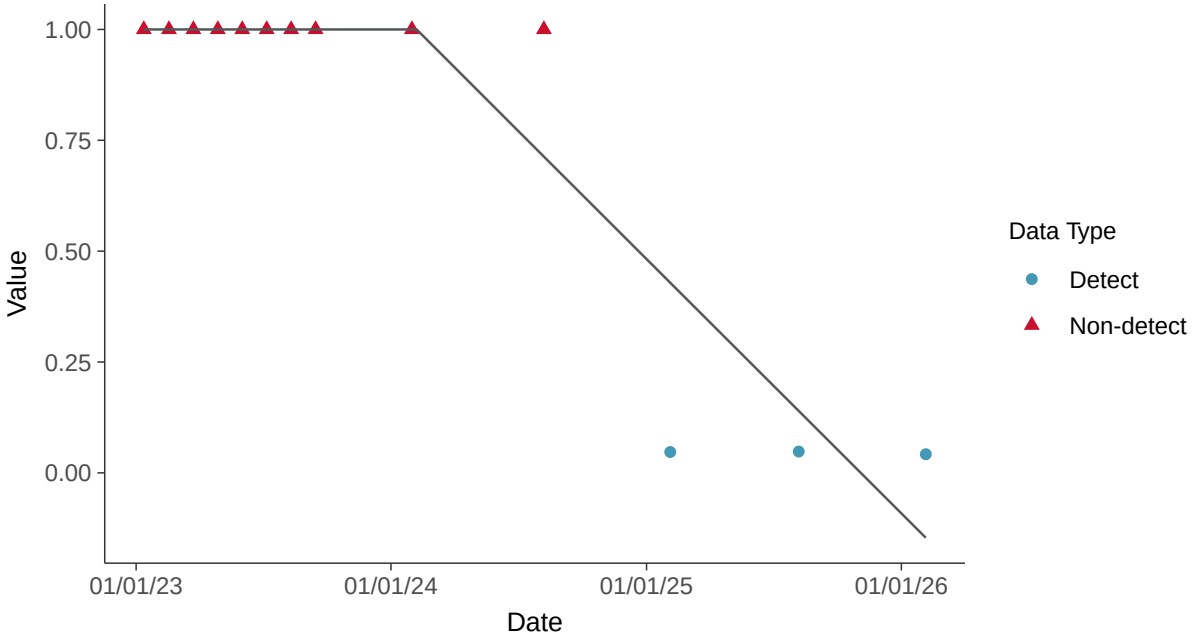
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-15 (mg/l)



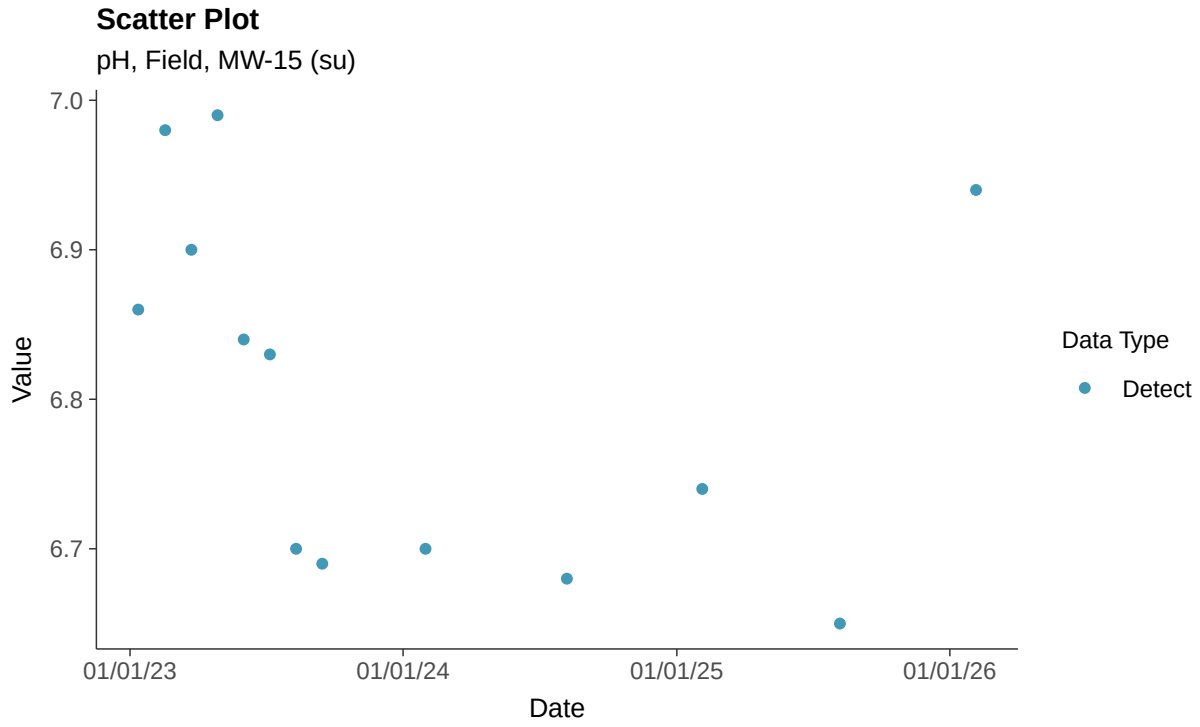
Trend Regression: Piecewise Linear-Linear

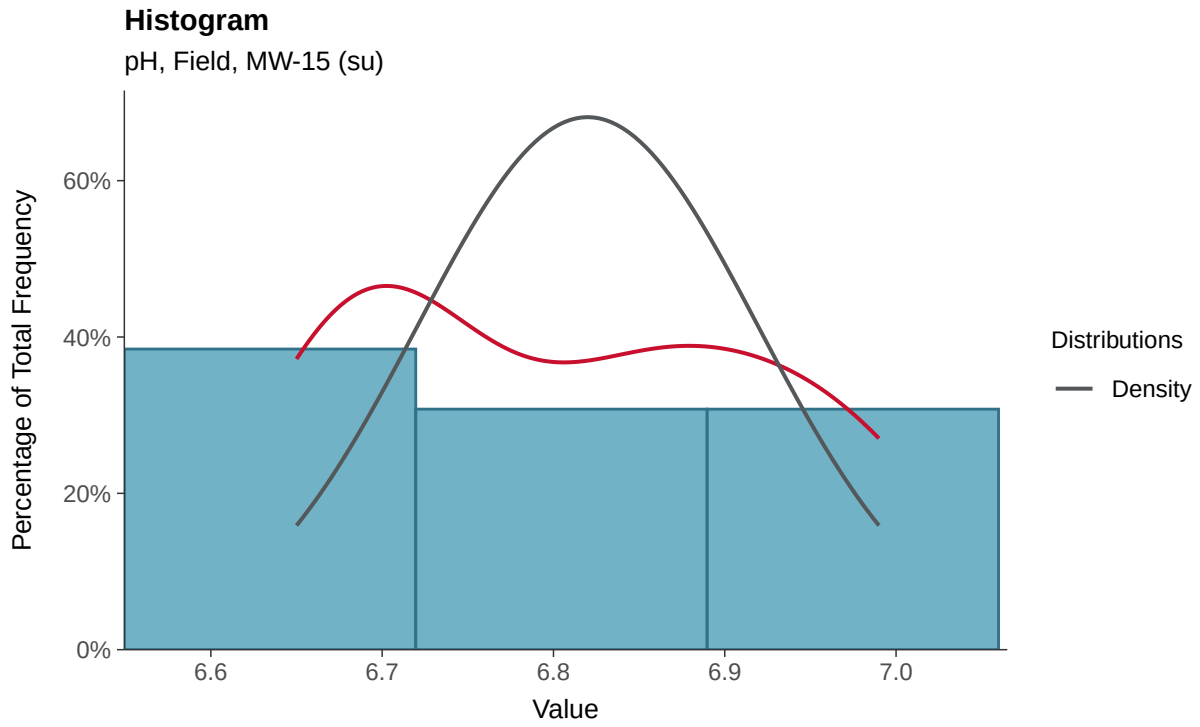
Fluoride, MW-15 (mg/l)



Appendix III: pH, Field, MW-15

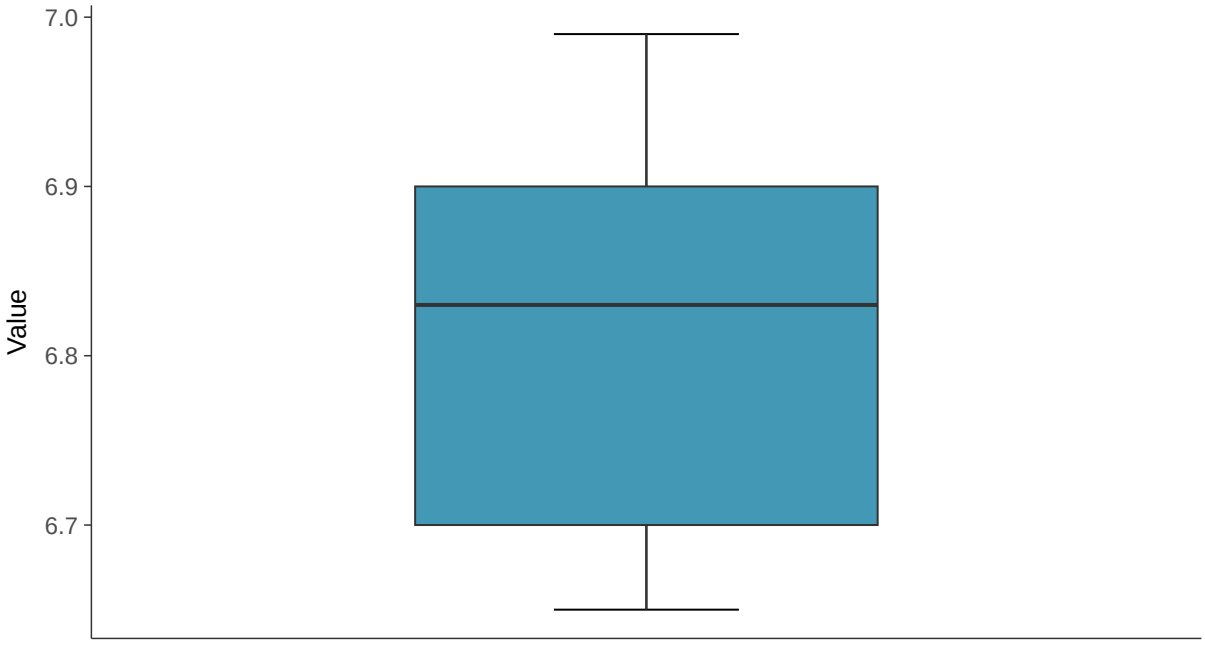
ID: 22_2_120





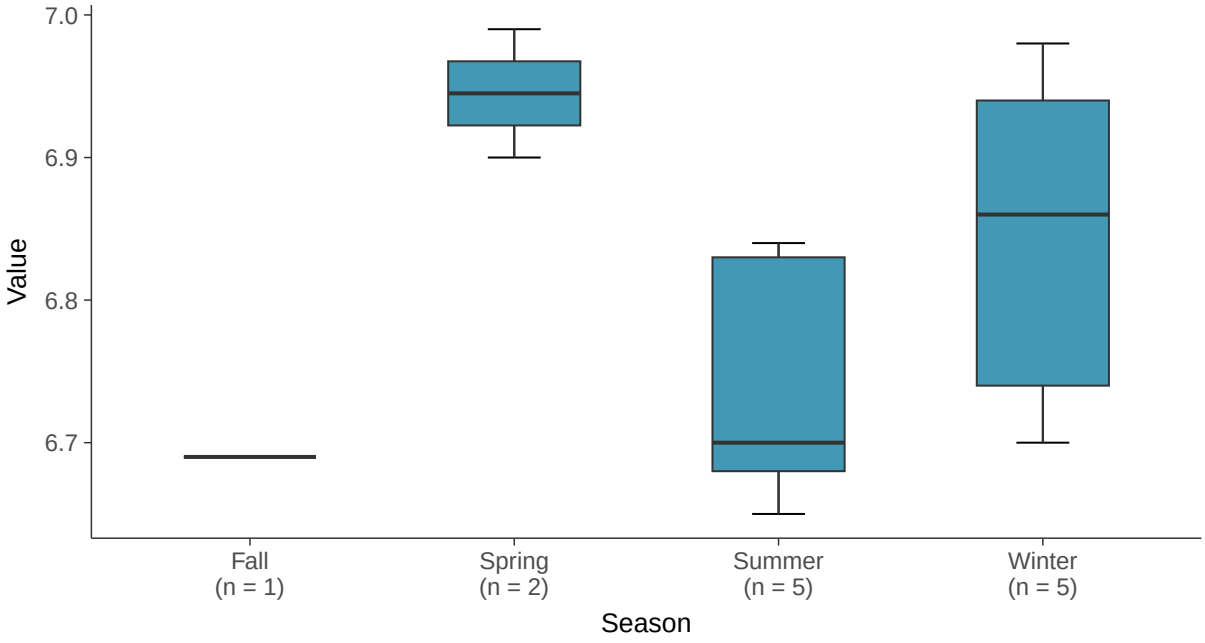
Boxplot

pH, Field, MW-15 (su)



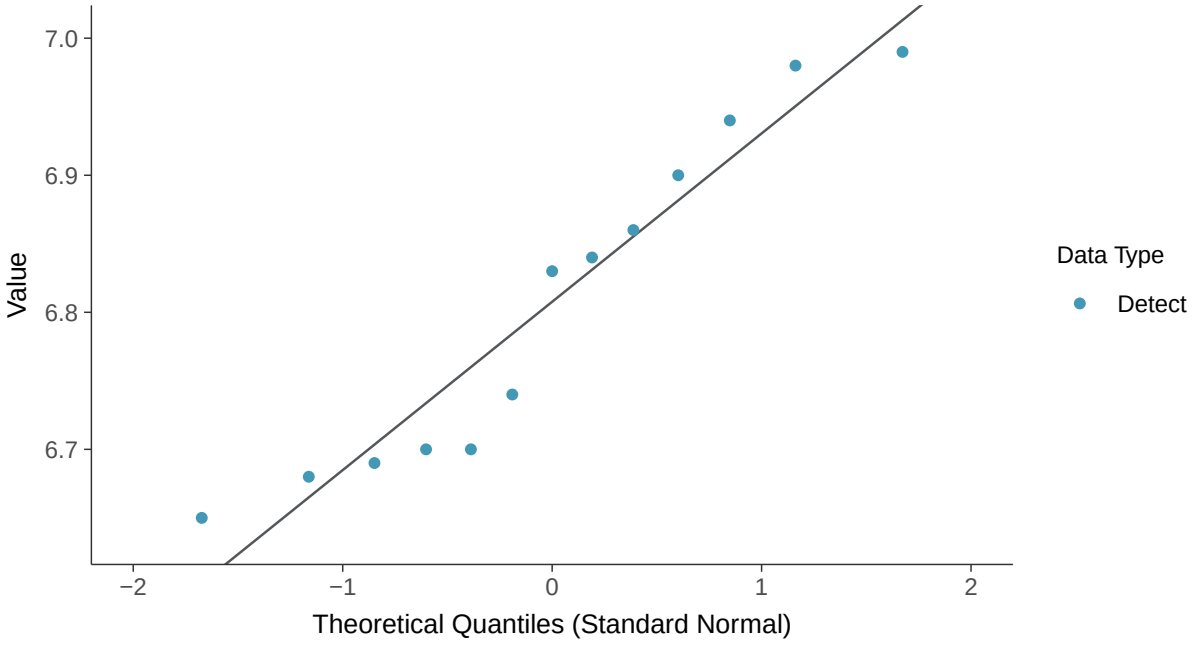
Boxplot by Season

pH, Field, MW-15 (su)



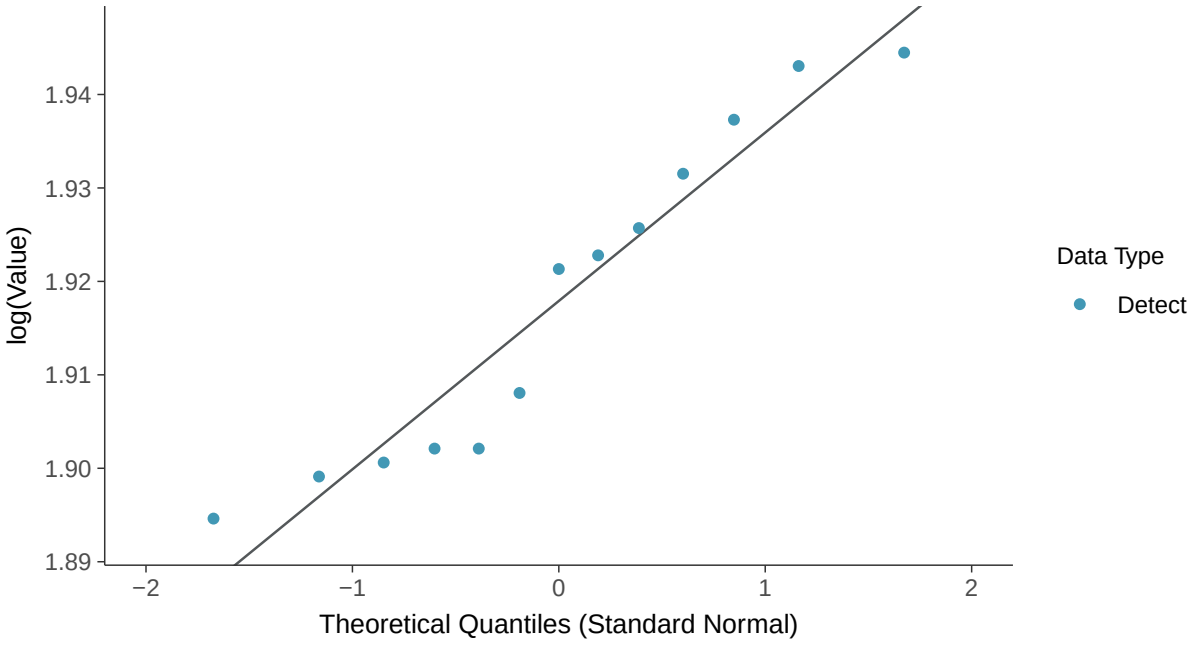
Normal Q-Q plot

pH, Field, MW-15 (su)



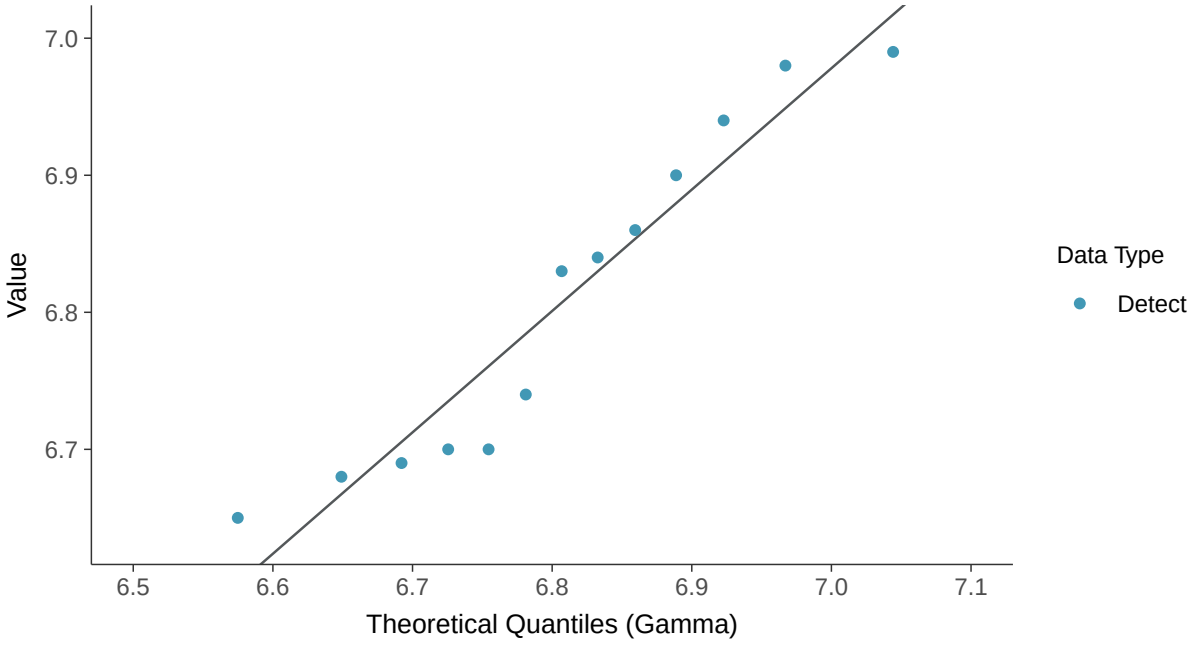
Lognormal Q-Q plot

pH, Field, MW-15 (su)



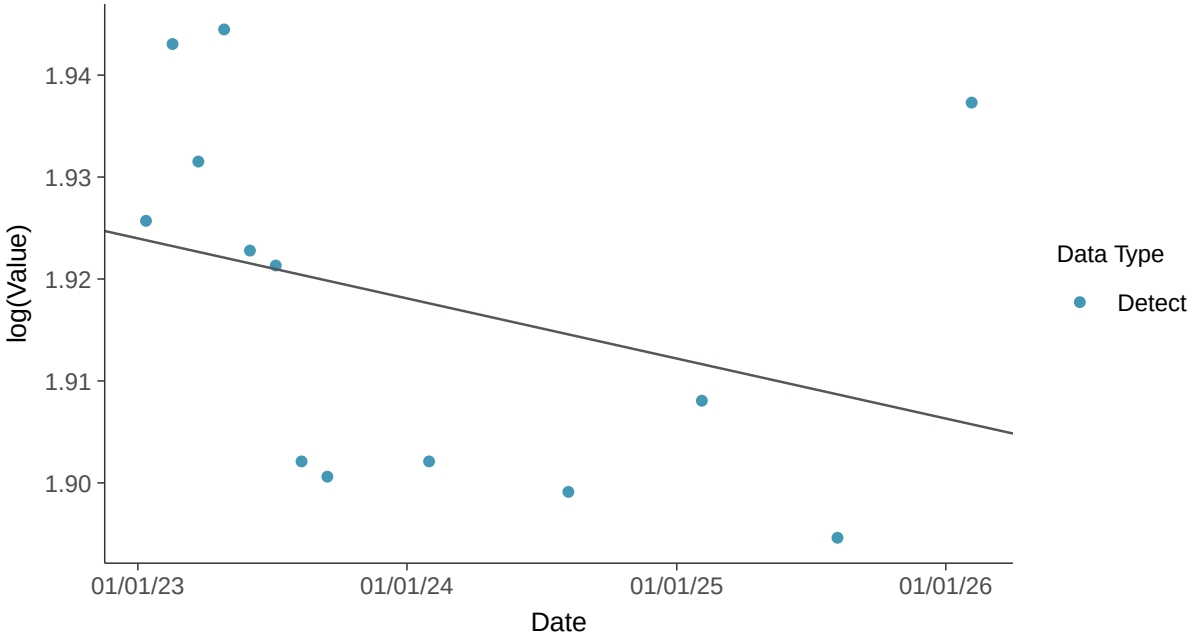
Gamma Q-Q plot

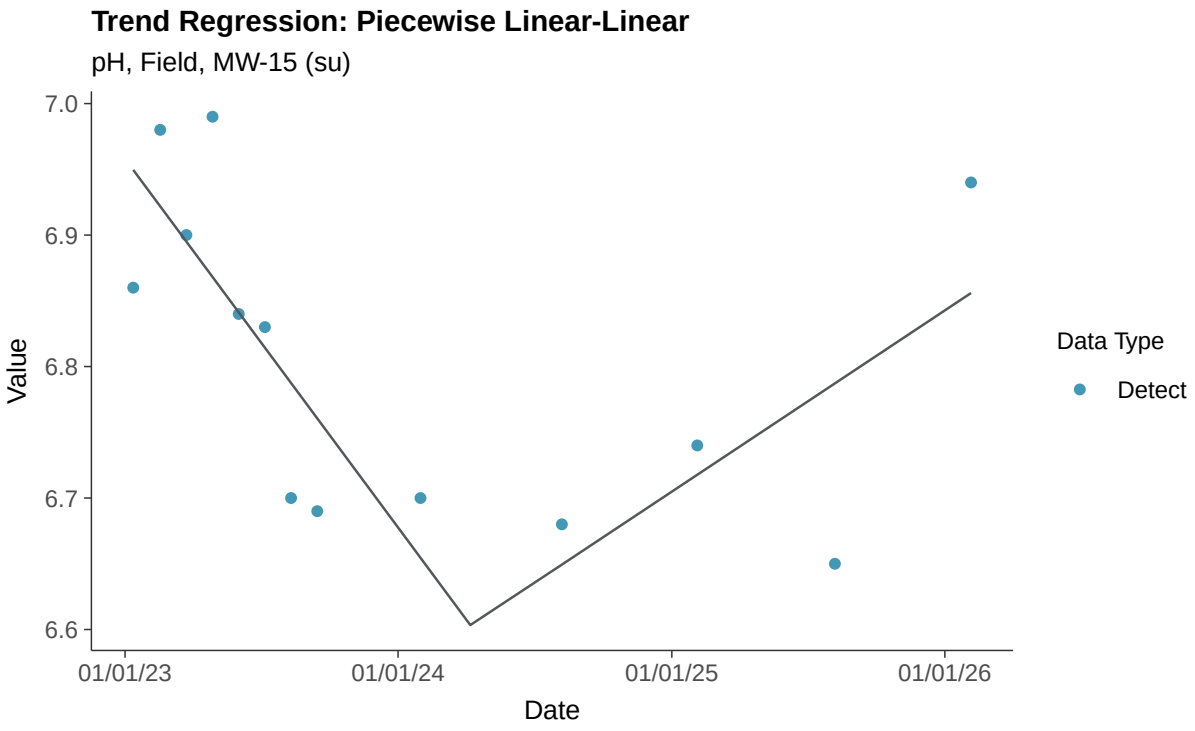
pH, Field, MW-15 (su)



Trend Regression: Lognormal MLE

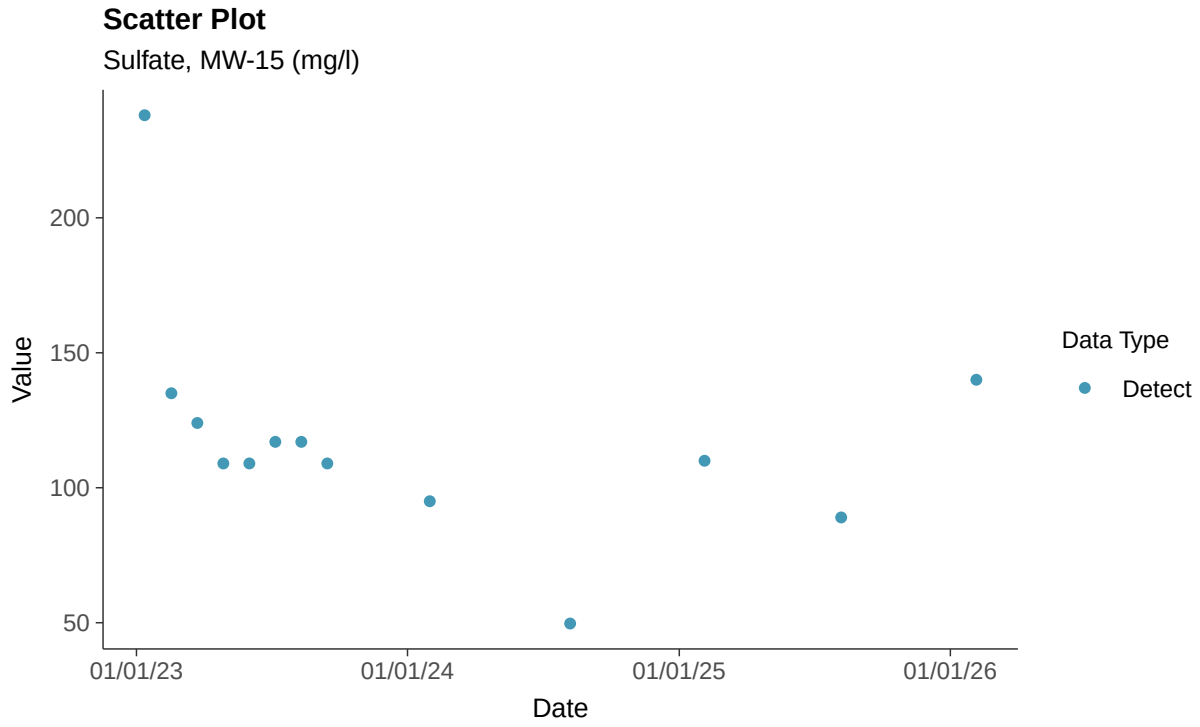
pH, Field, MW-15 (su)

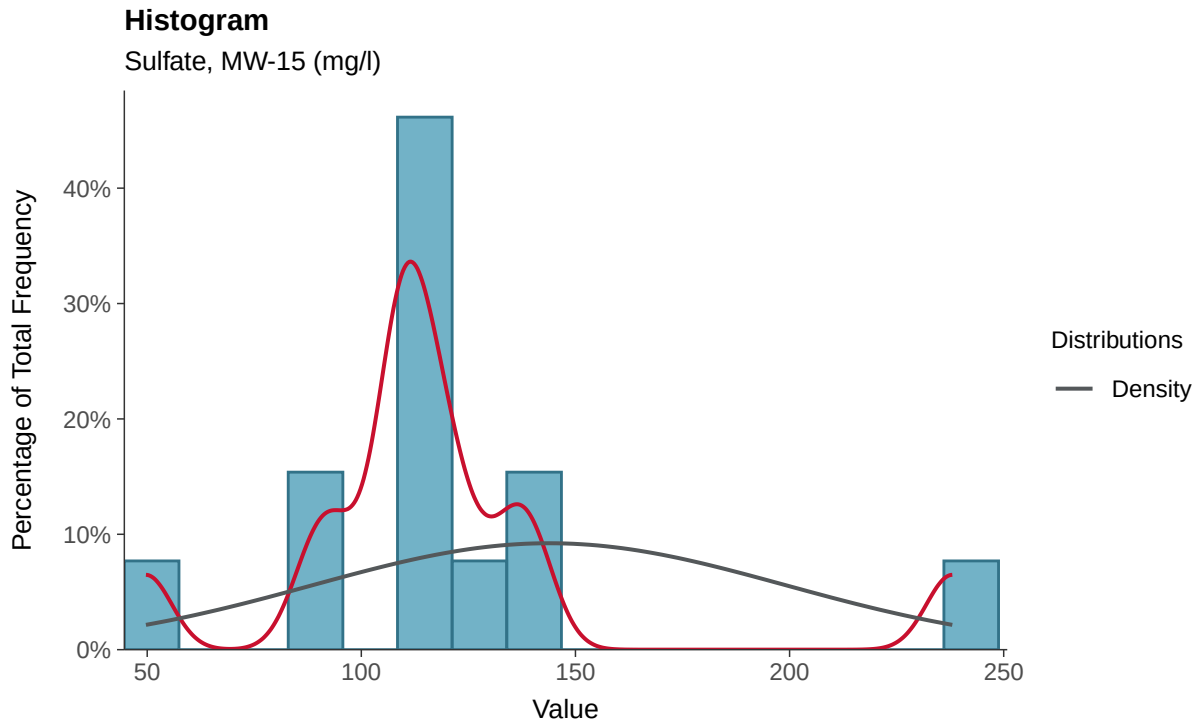



Trend Regression: Piecewise Linear-Linear
pH, Field, MW-15 (su)
Value
7.0
6.9
6.8
6.7
6.6
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Sulfate, MW-15

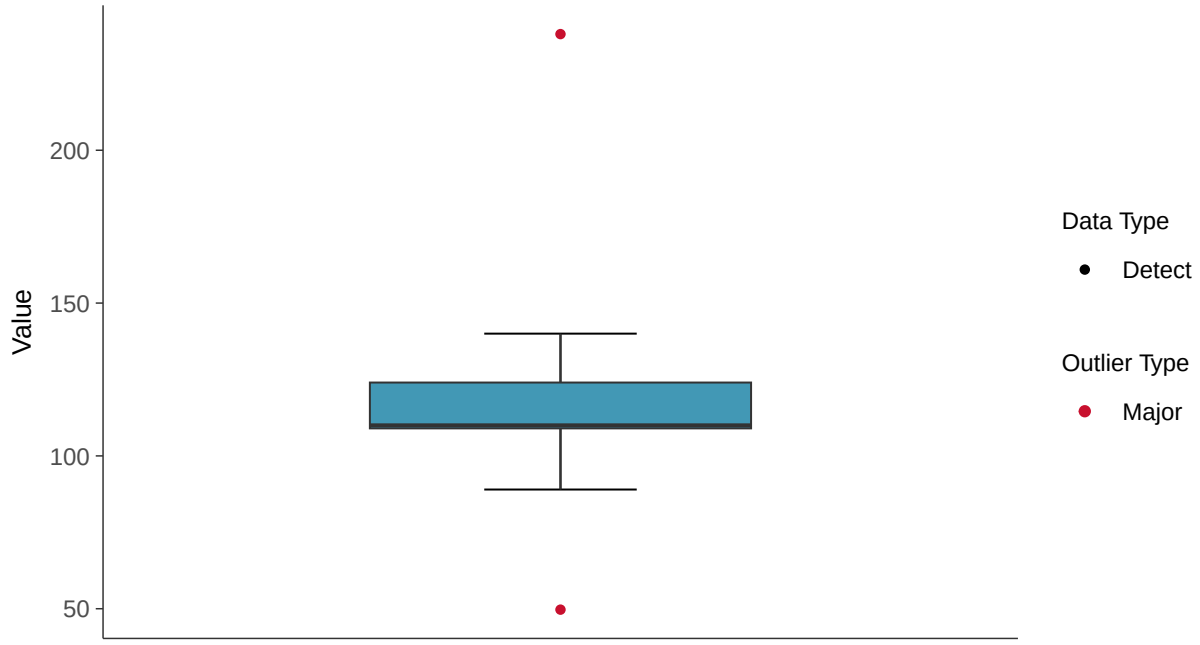
ID: 22_2_124





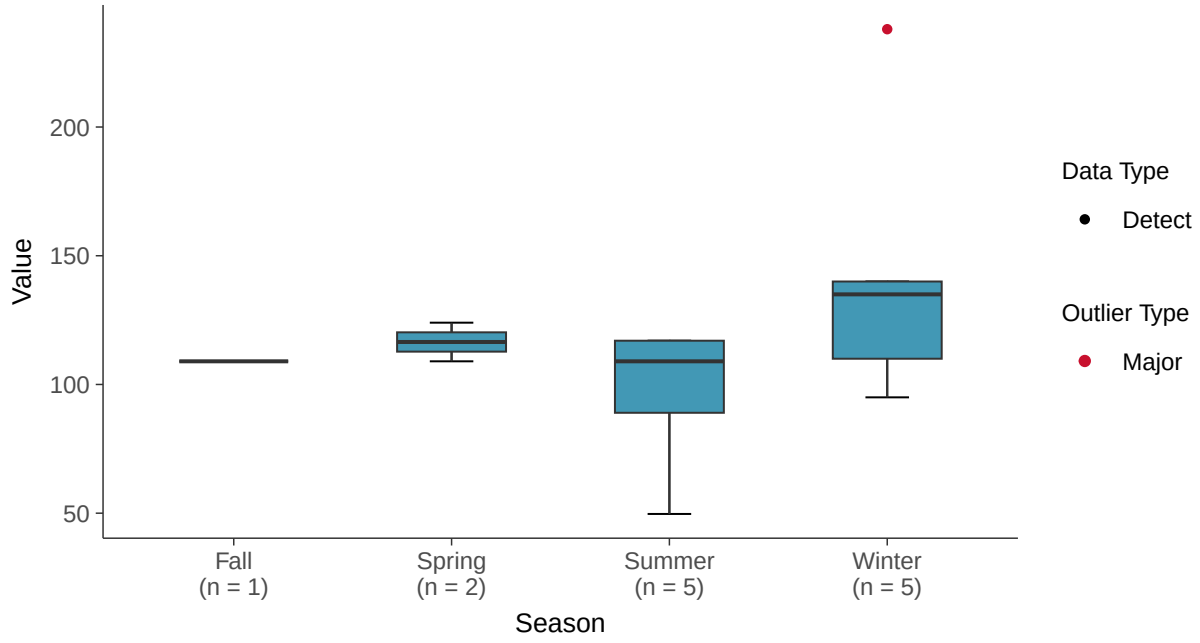
Boxplot

Sulfate, MW-15 (mg/l)



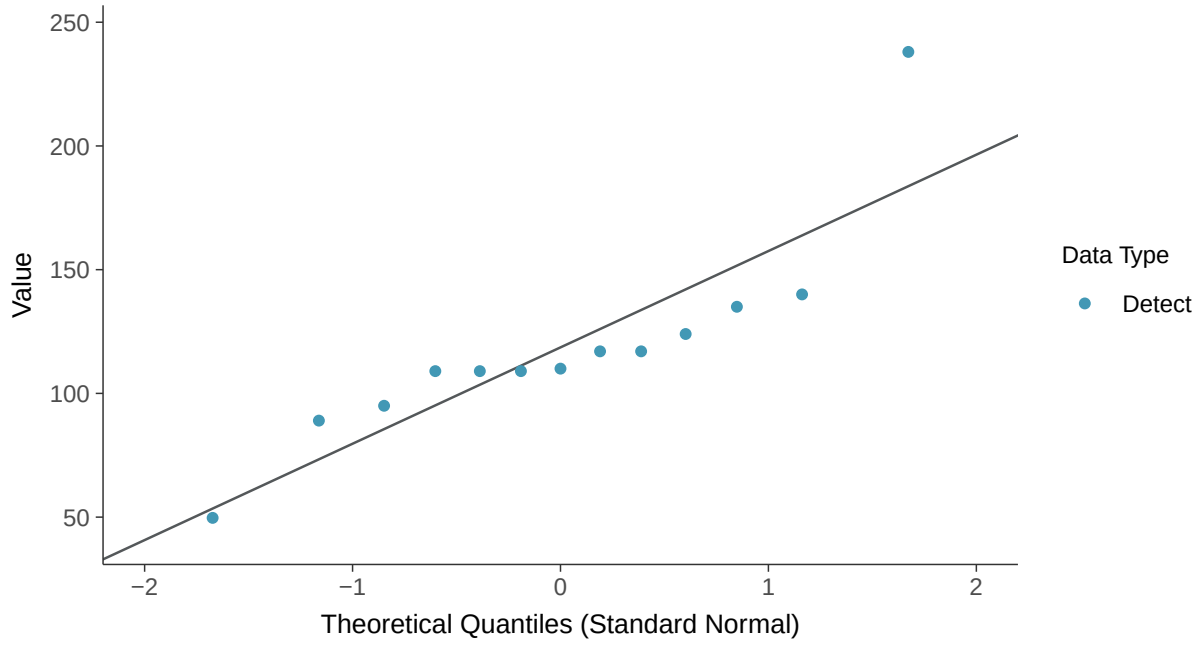
Boxplot by Season

Sulfate, MW-15 (mg/l)



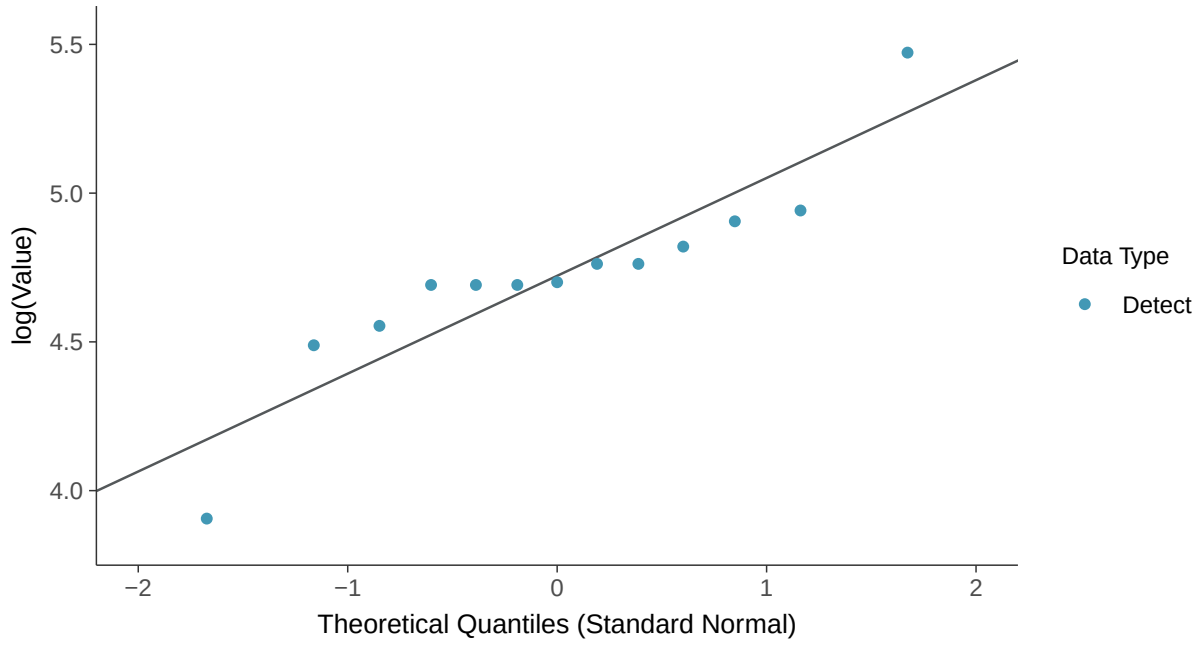
Normal Q-Q plot

Sulfate, MW-15 (mg/l)



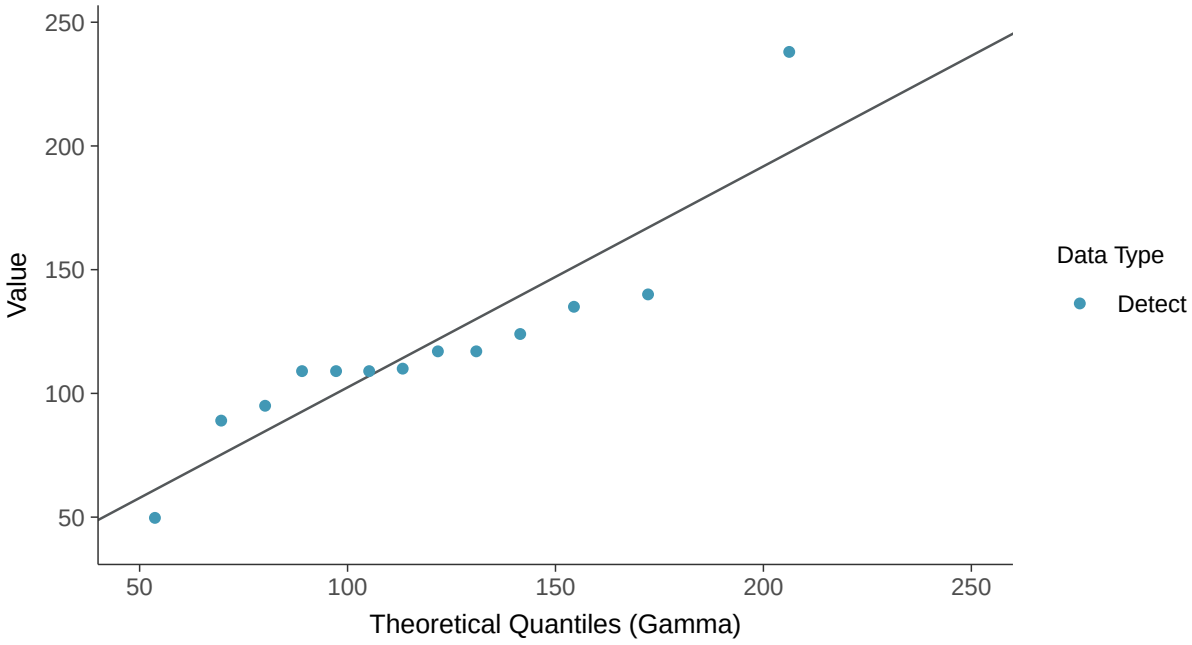
Lognormal Q-Q plot

Sulfate, MW-15 (mg/l)



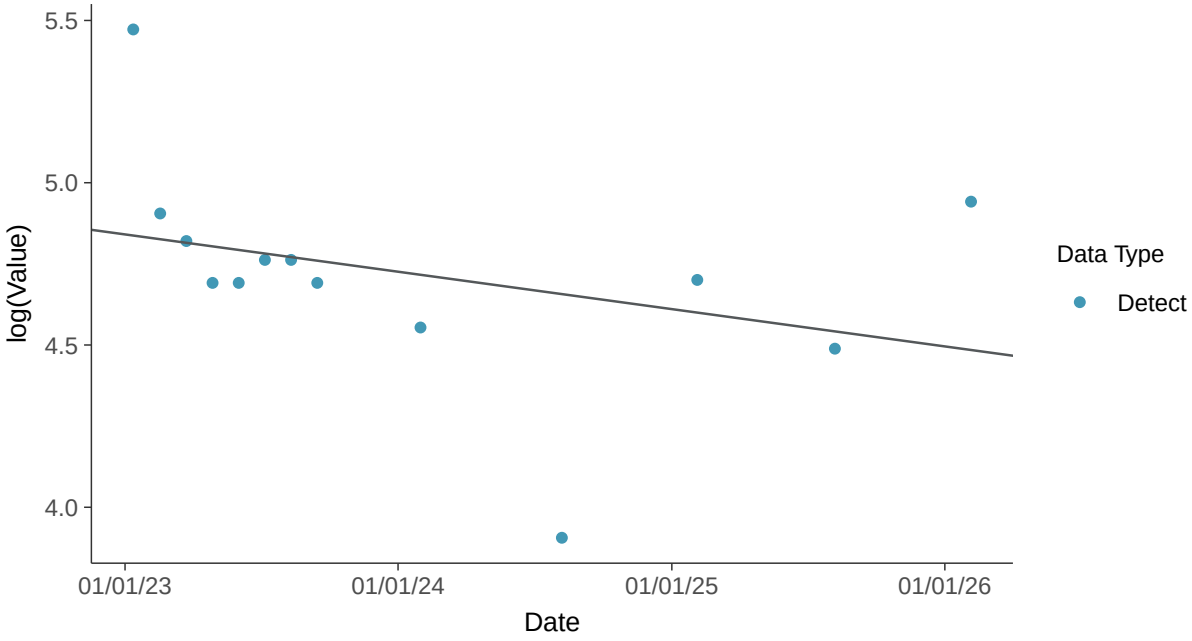
Gamma Q-Q plot

Sulfate, MW-15 (mg/l)



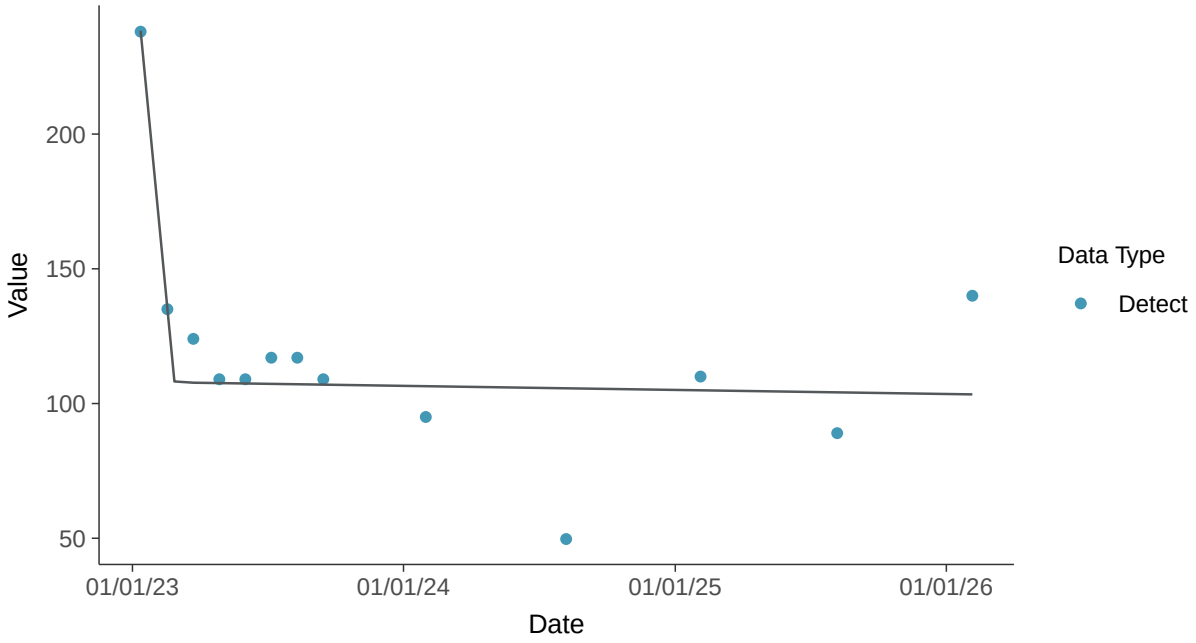
Trend Regression: Lognormal MLE

Sulfate, MW-15 (mg/l)



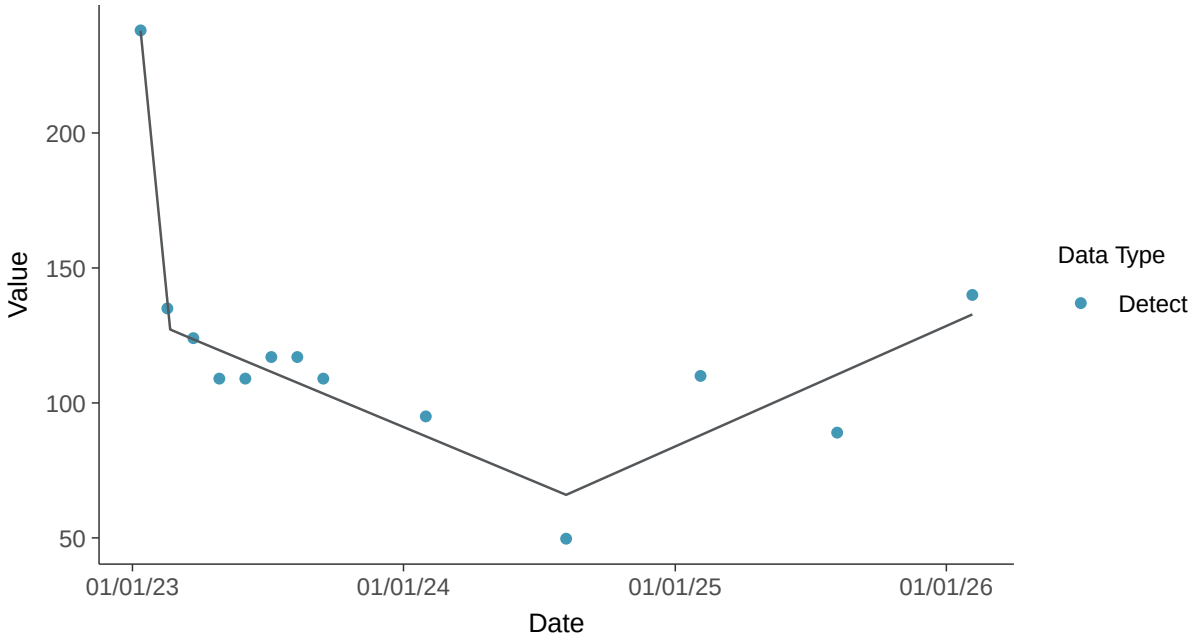
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-15 (mg/l)



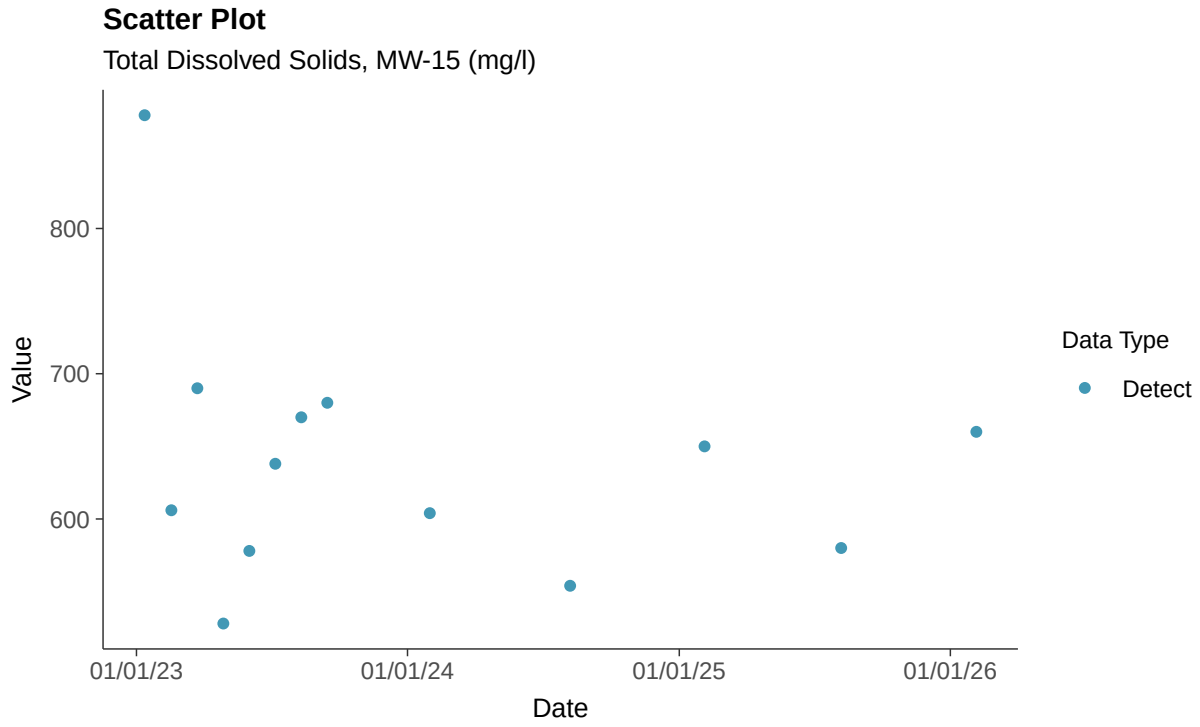
Trend Regression: Piecewise Linear-Linear-Linear

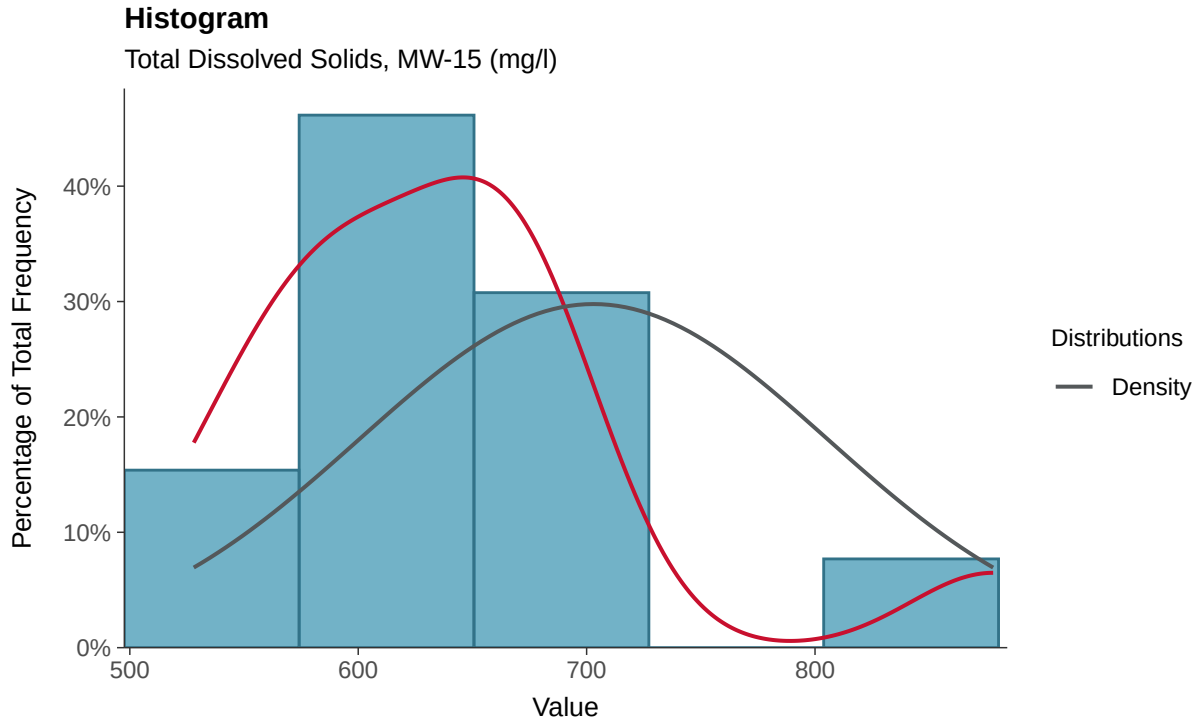
Sulfate, MW-15 (mg/l)



Appendix III: Total Dissolved Solids, MW-15

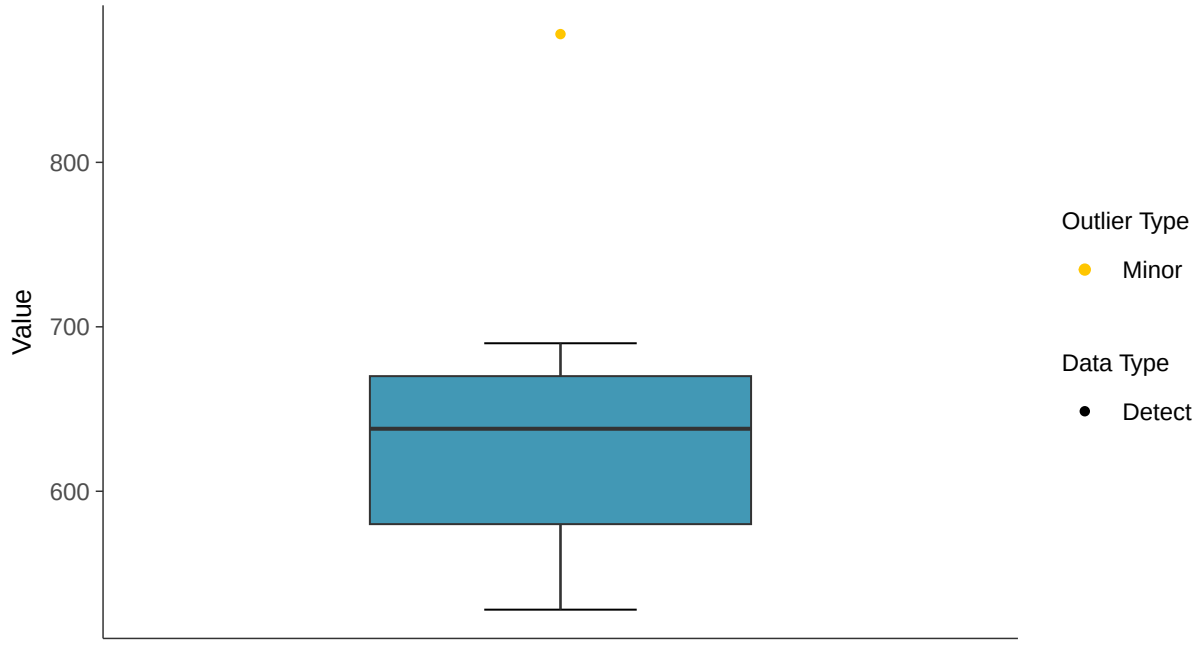
ID: 22_2_126





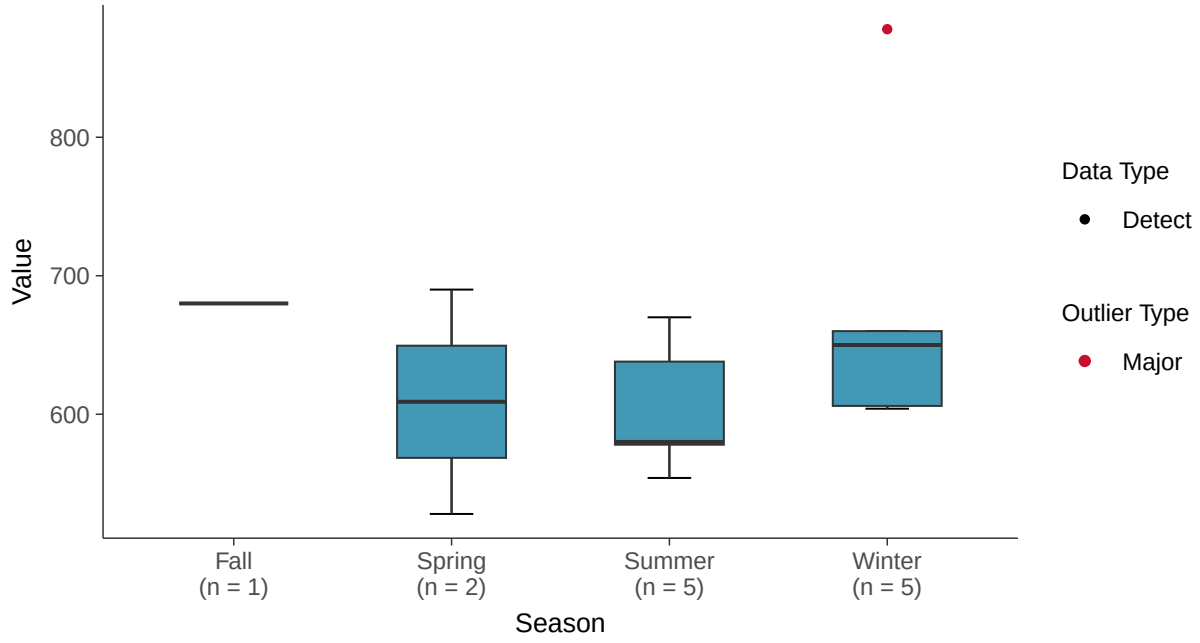
Boxplot

Total Dissolved Solids, MW-15 (mg/l)



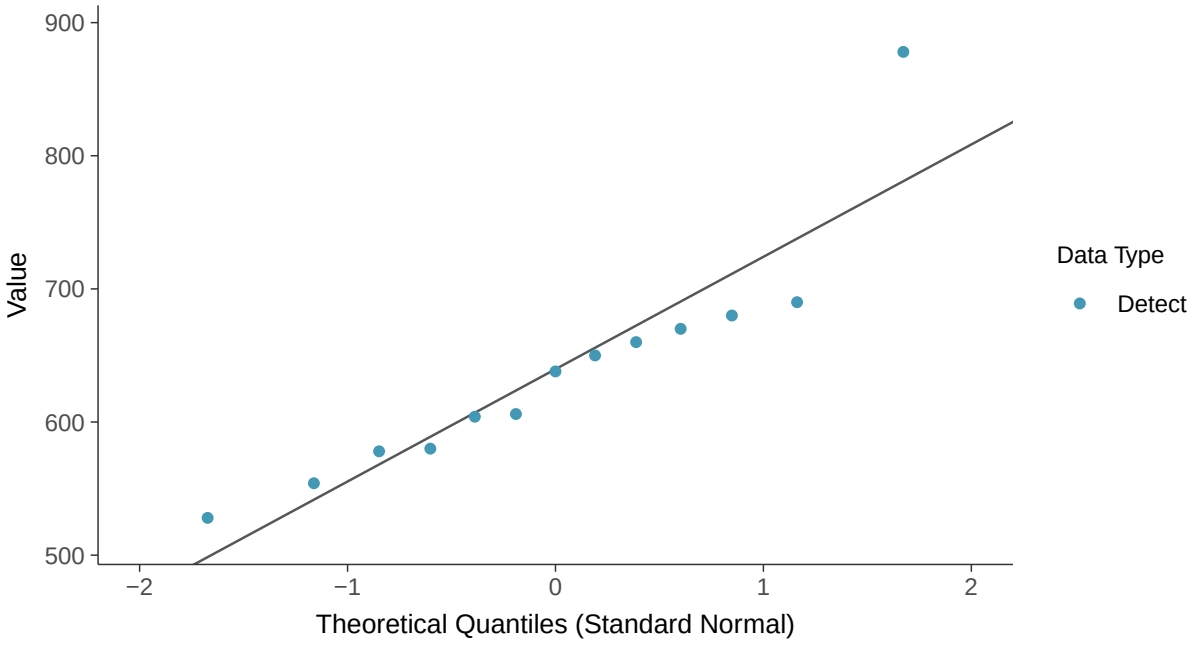
Boxplot by Season

Total Dissolved Solids, MW-15 (mg/l)



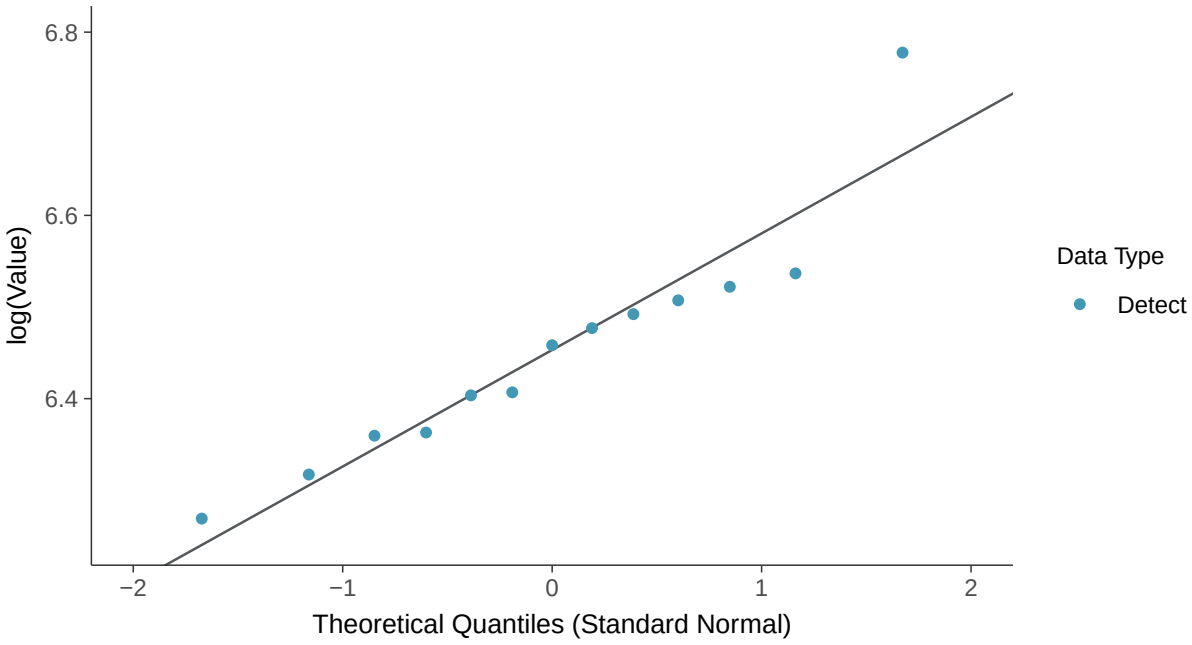
Normal Q-Q plot

Total Dissolved Solids, MW-15 (mg/l)



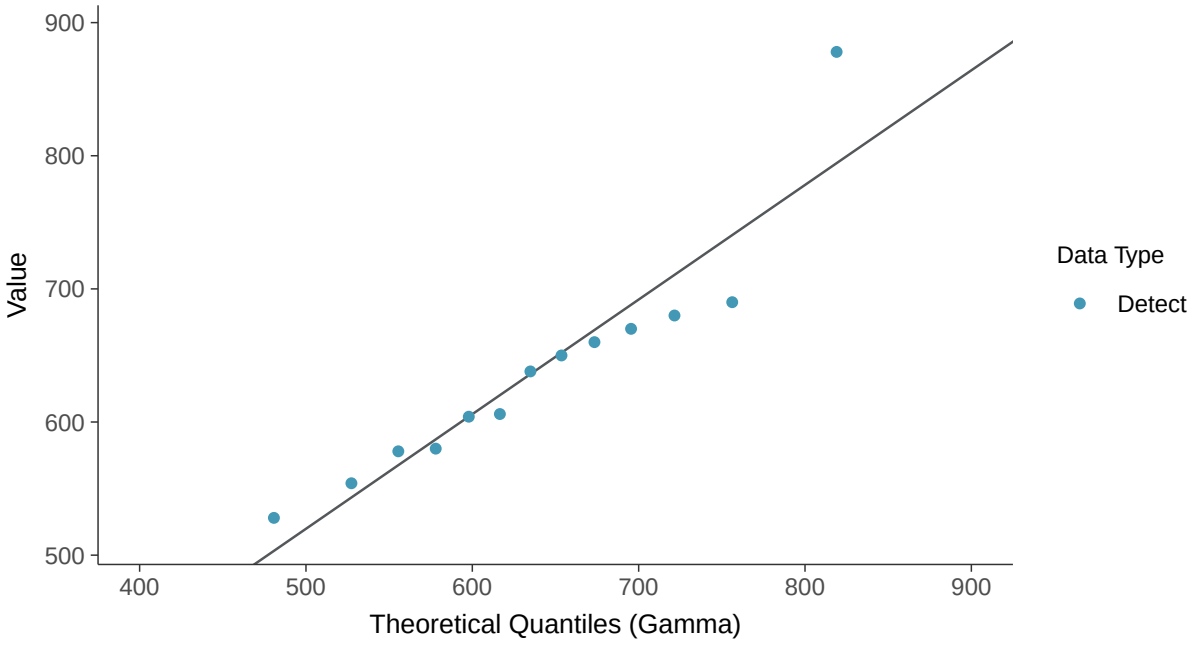
Lognormal Q-Q plot

Total Dissolved Solids, MW-15 (mg/l)



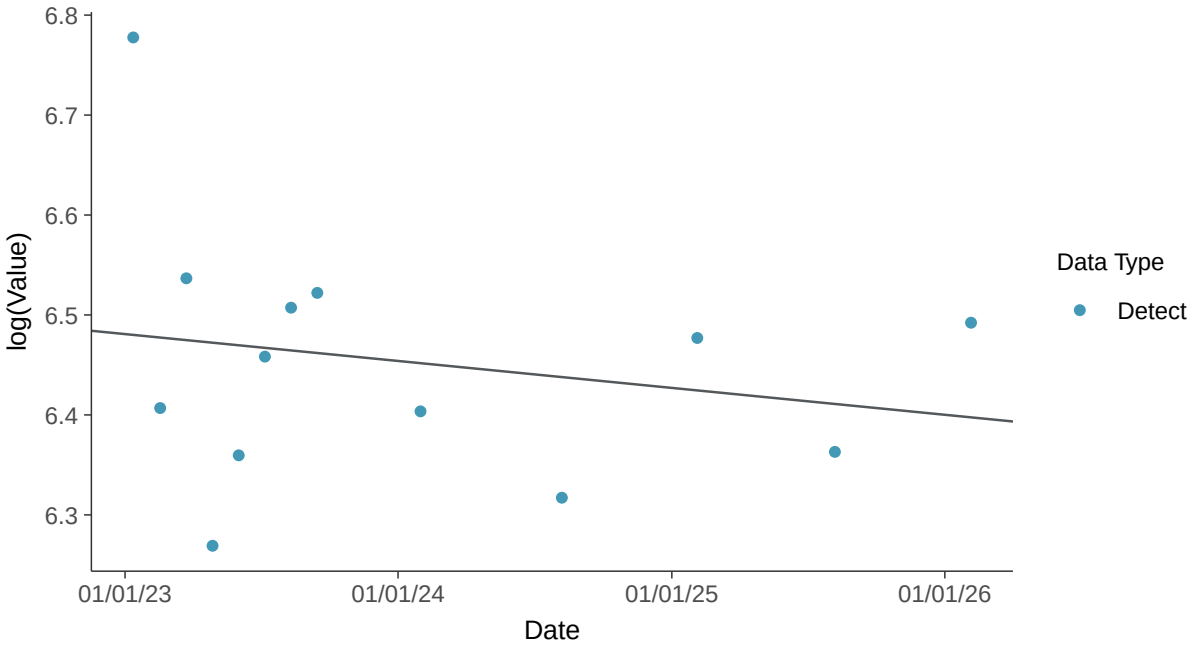
Gamma Q-Q plot

Total Dissolved Solids, MW-15 (mg/l)



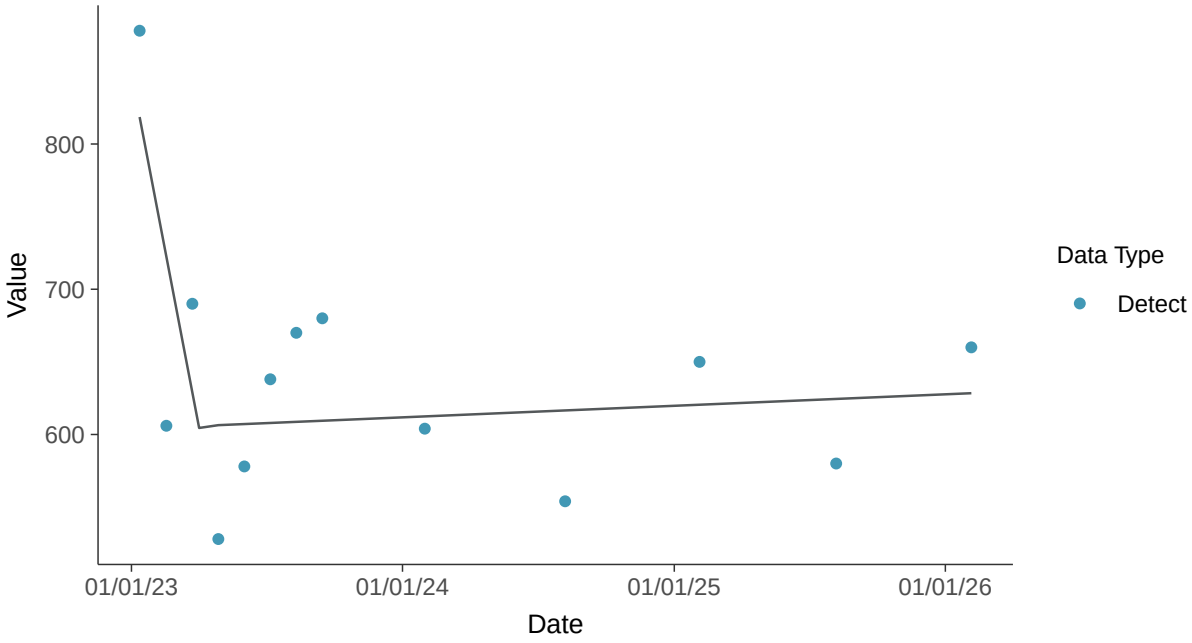
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-15 (mg/l)



Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-15 (mg/l)

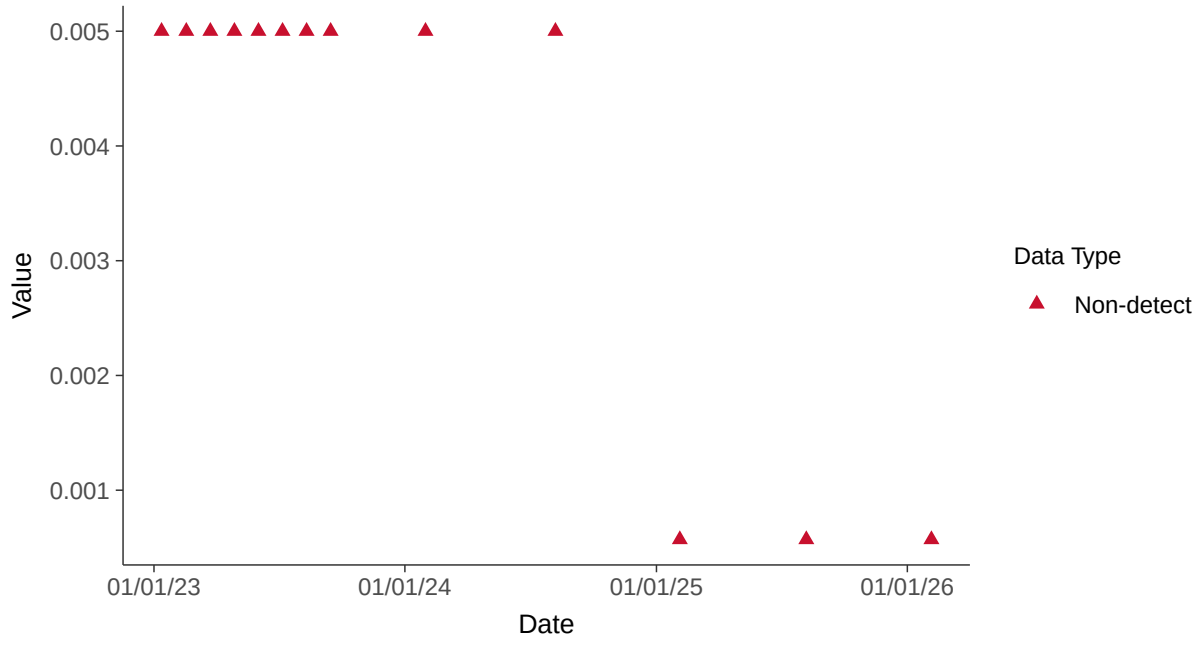


Appendix IV: Antimony, MW-15

ID: 22_3_101

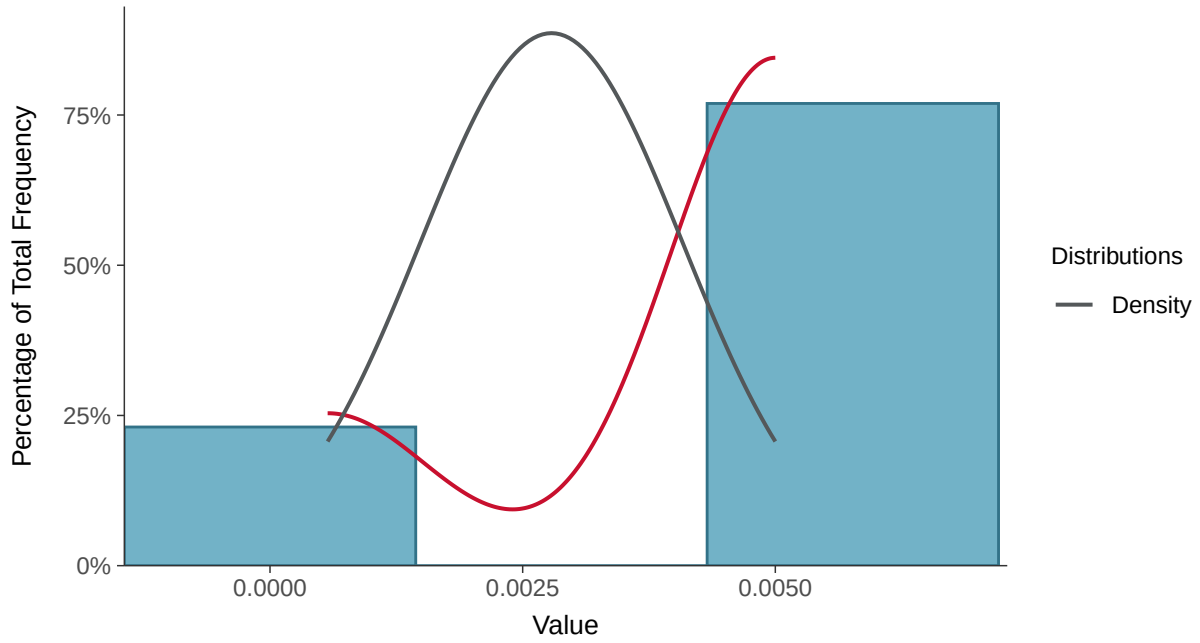
Scatter Plot

Antimony, MW-15 (mg/l)



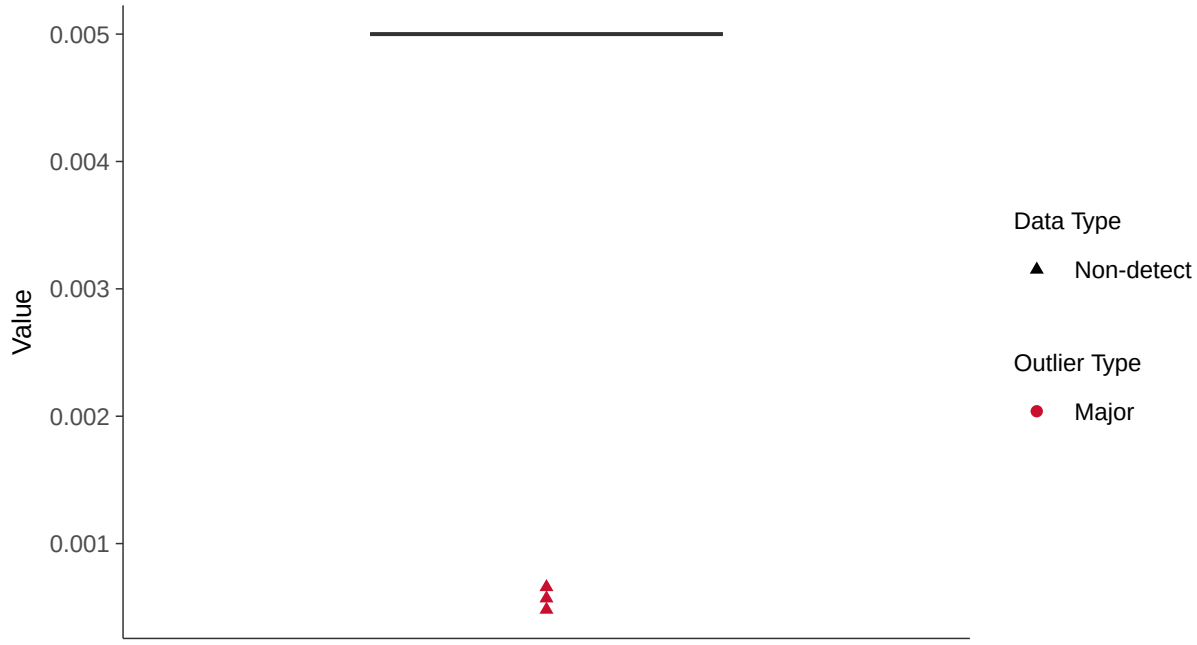
Histogram

Antimony, MW-15 (mg/l)



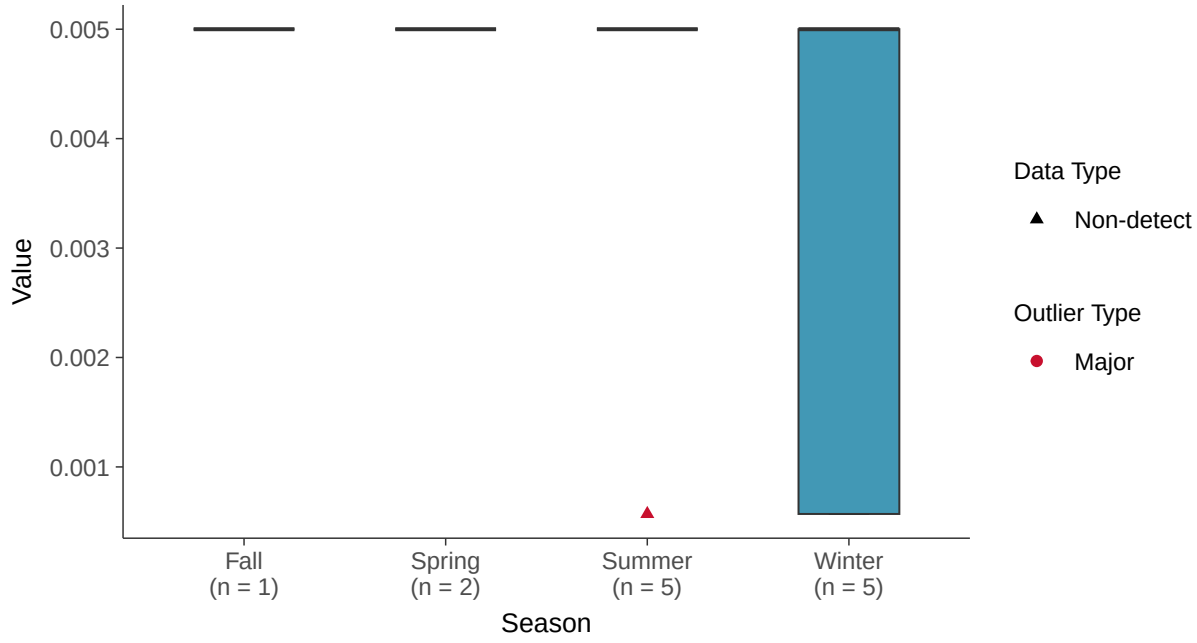
Boxplot

Antimony, MW-15 (mg/l)



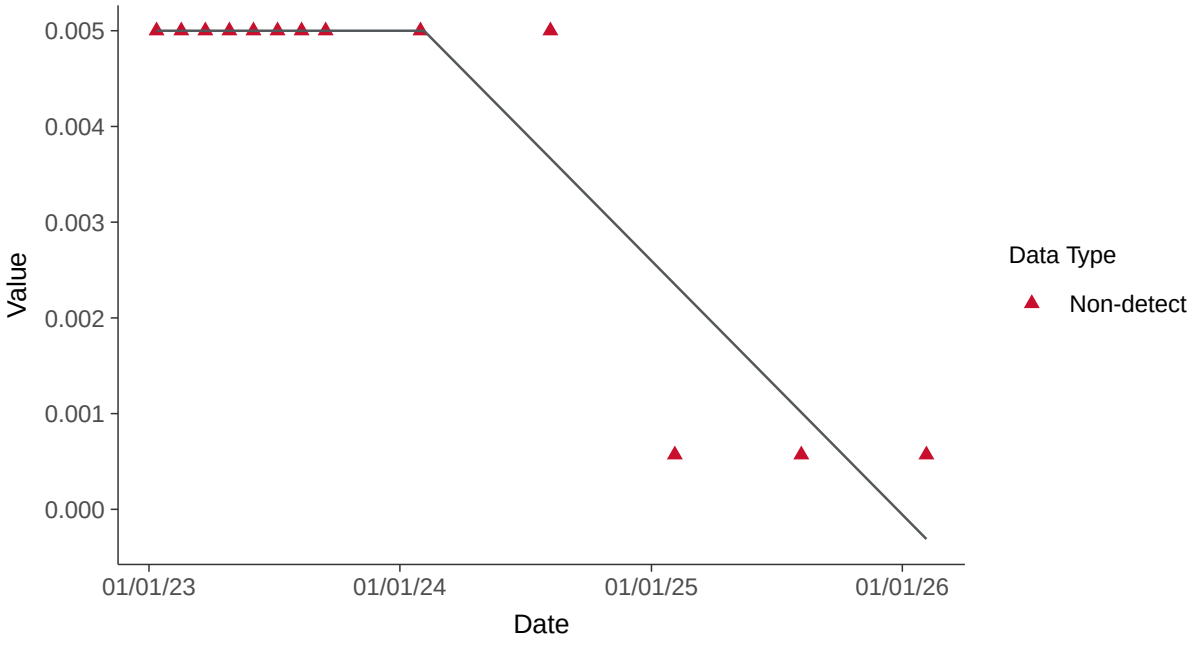
Boxplot by Season

Antimony, MW-15 (mg/l)



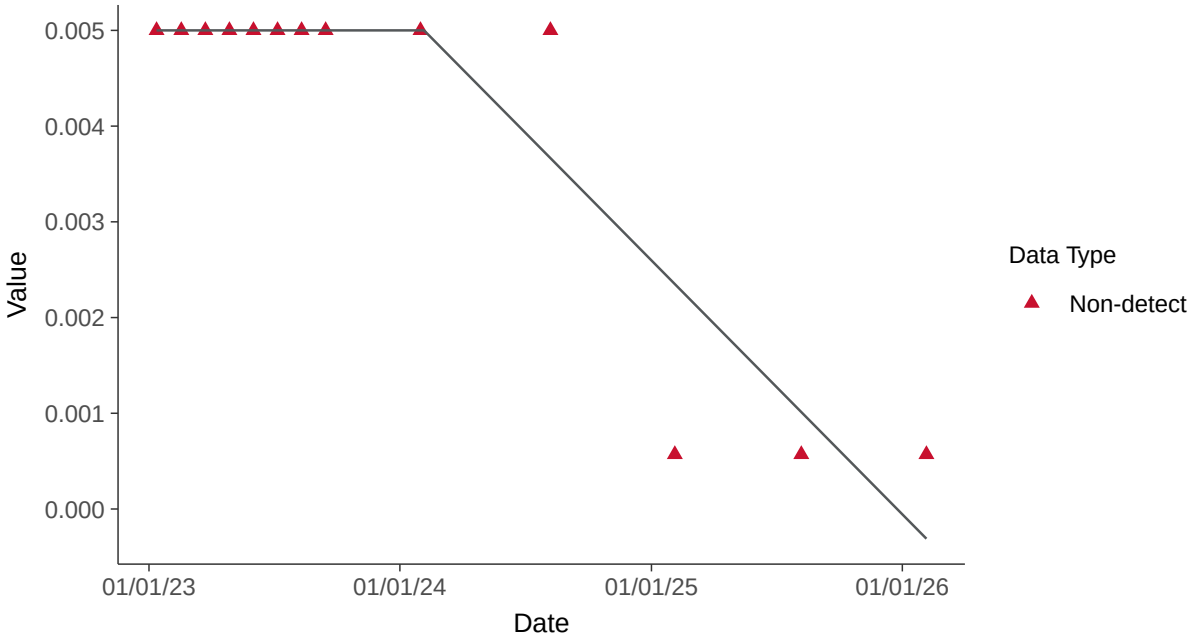
Trend Regression: Piecewise Linear-Linear

Antimony, MW-15 (mg/l)



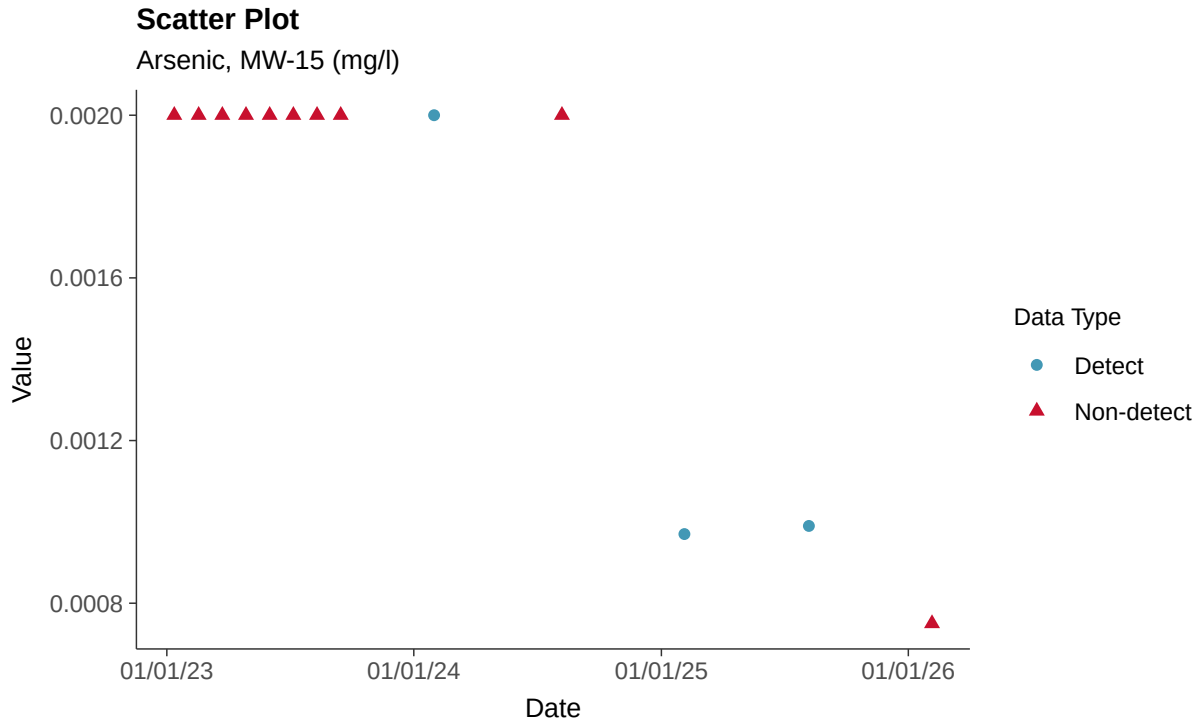
Trend Regression: Piecewise Linear-Linear-Linear

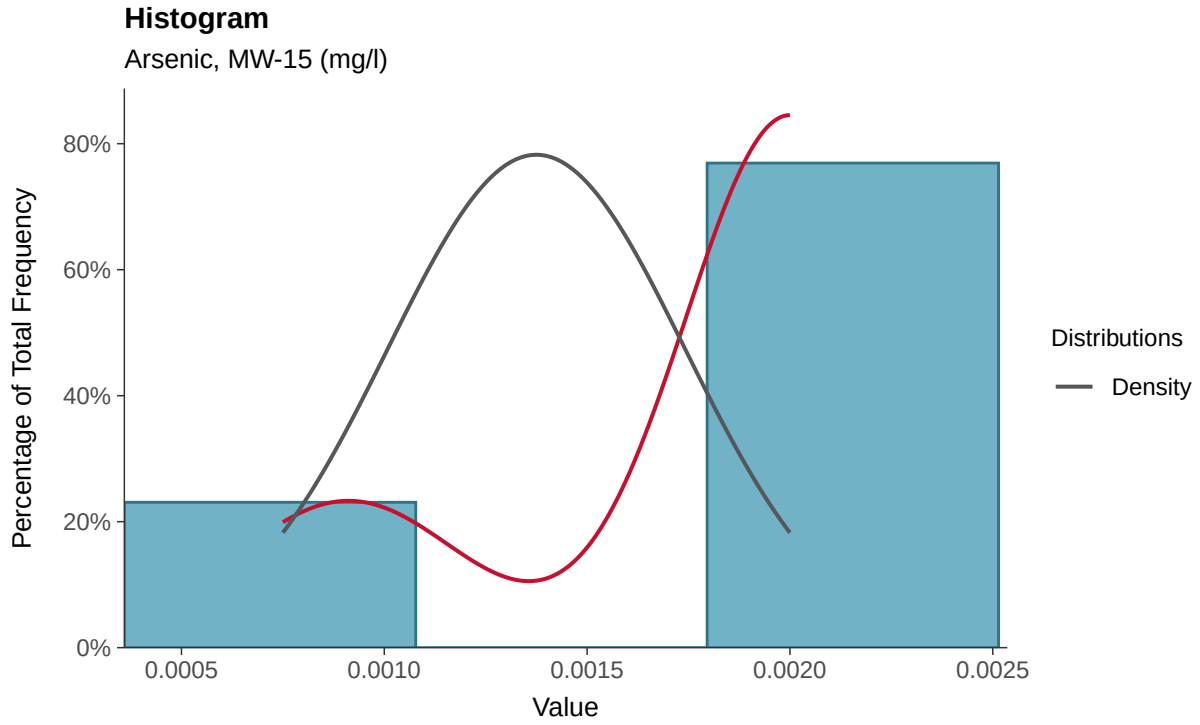
Antimony, MW-15 (mg/l)



Appendix IV: Arsenic, MW-15

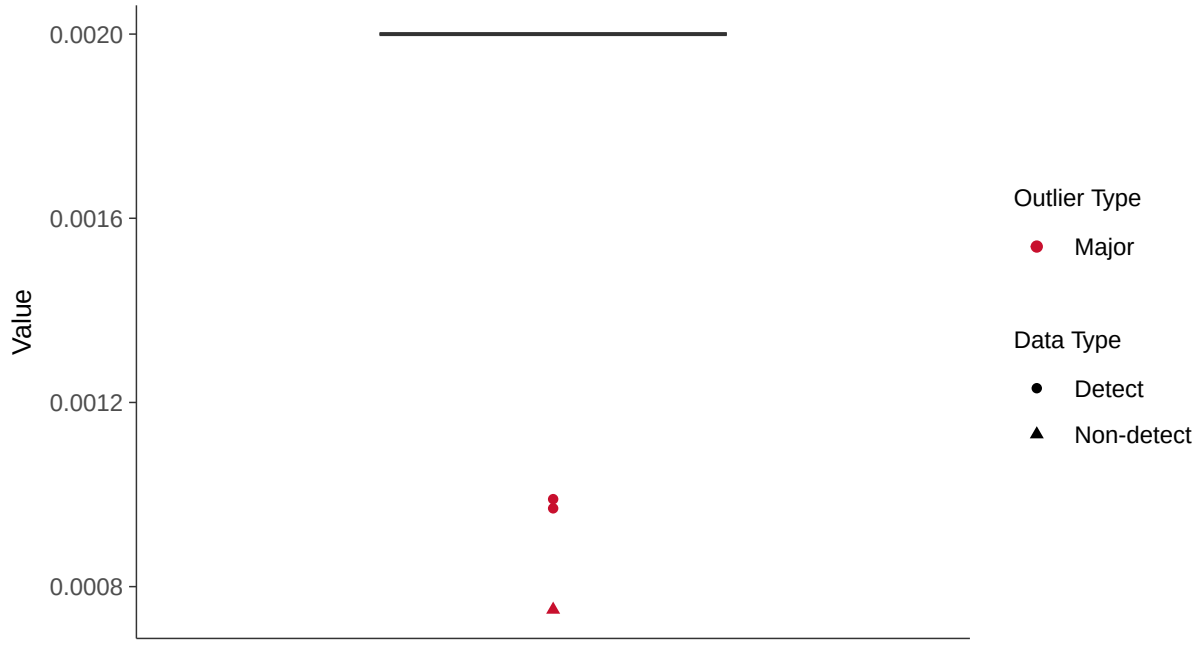
ID: 22_3_102





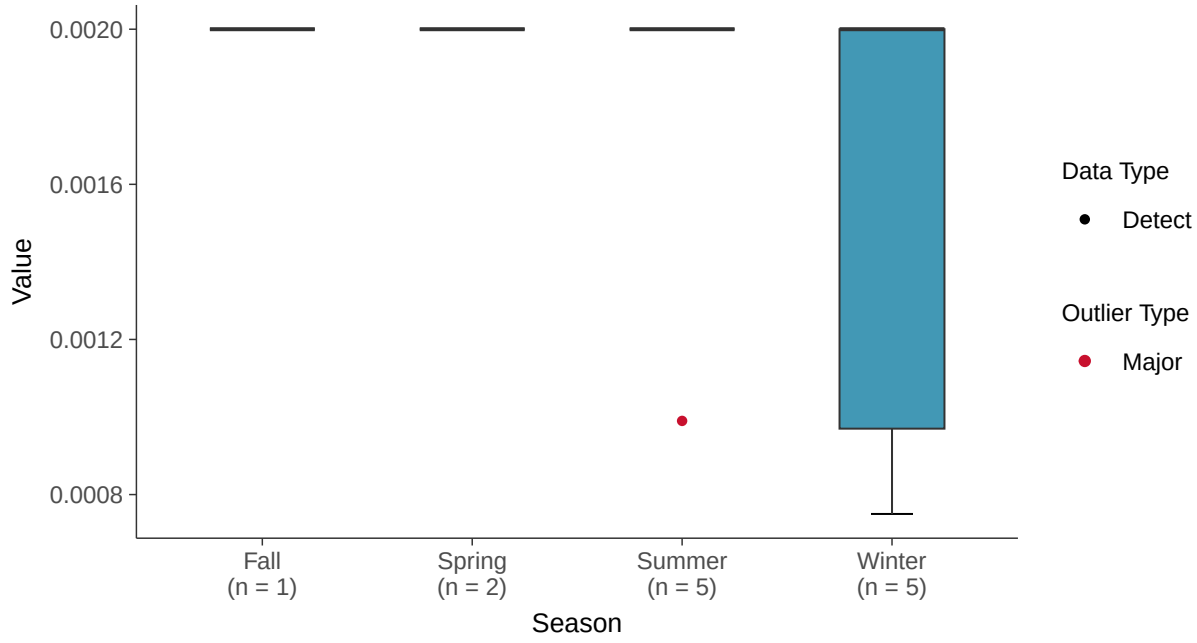
Boxplot

Arsenic, MW-15 (mg/l)



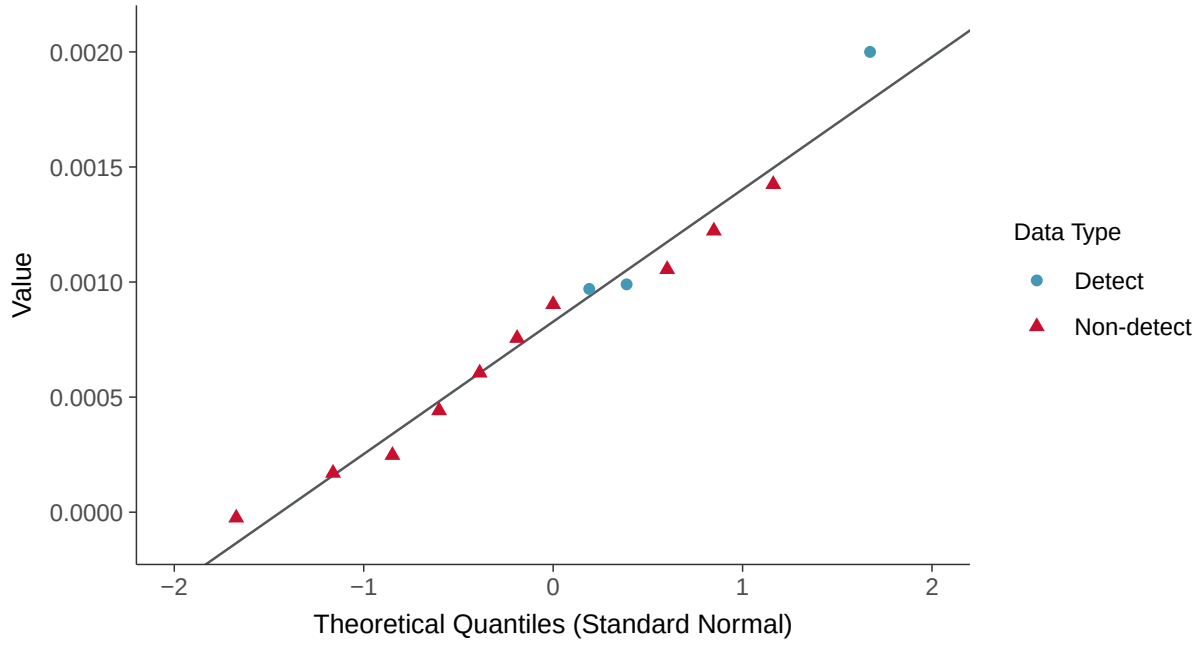
Boxplot by Season

Arsenic, MW-15 (mg/l)



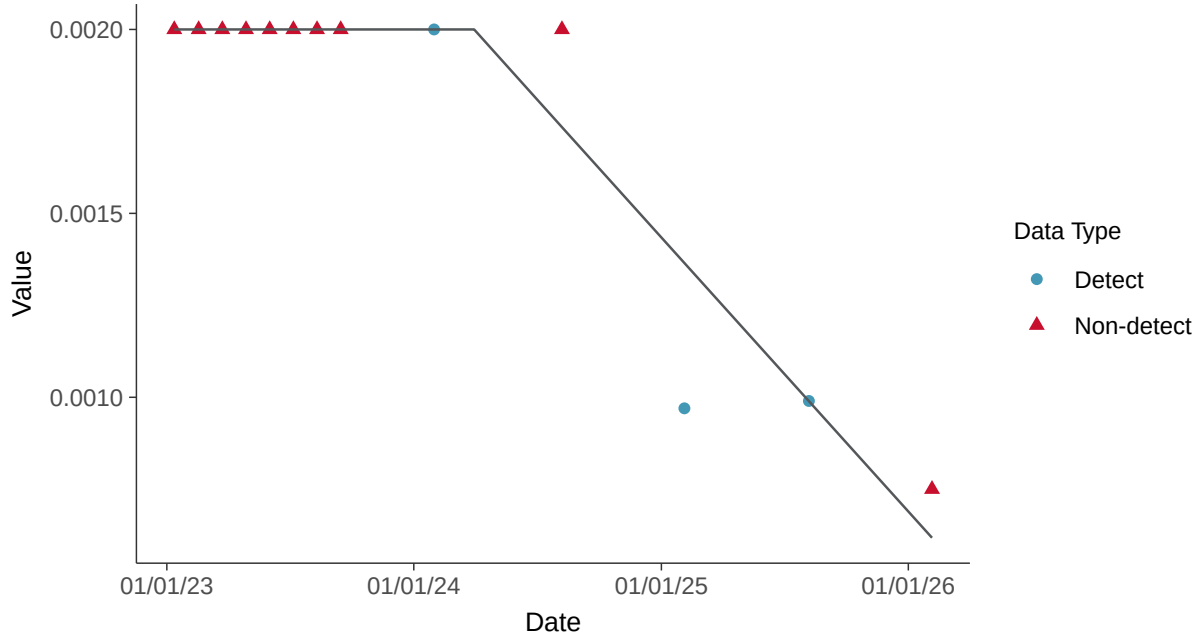
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-15 (mg/l)



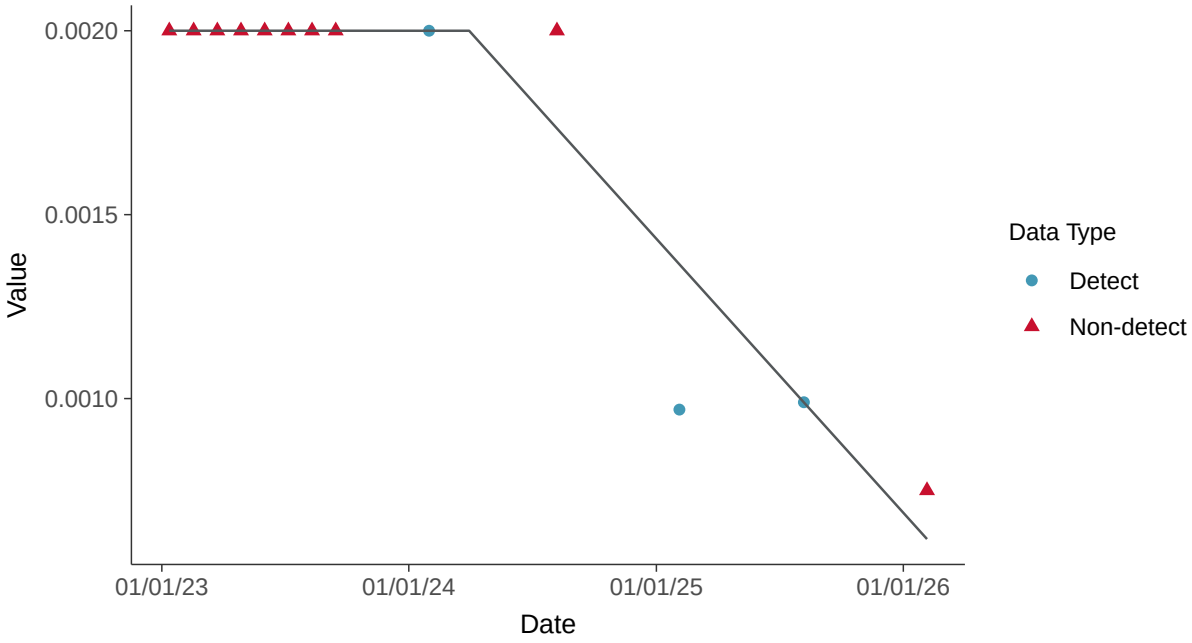
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-15 (mg/l)



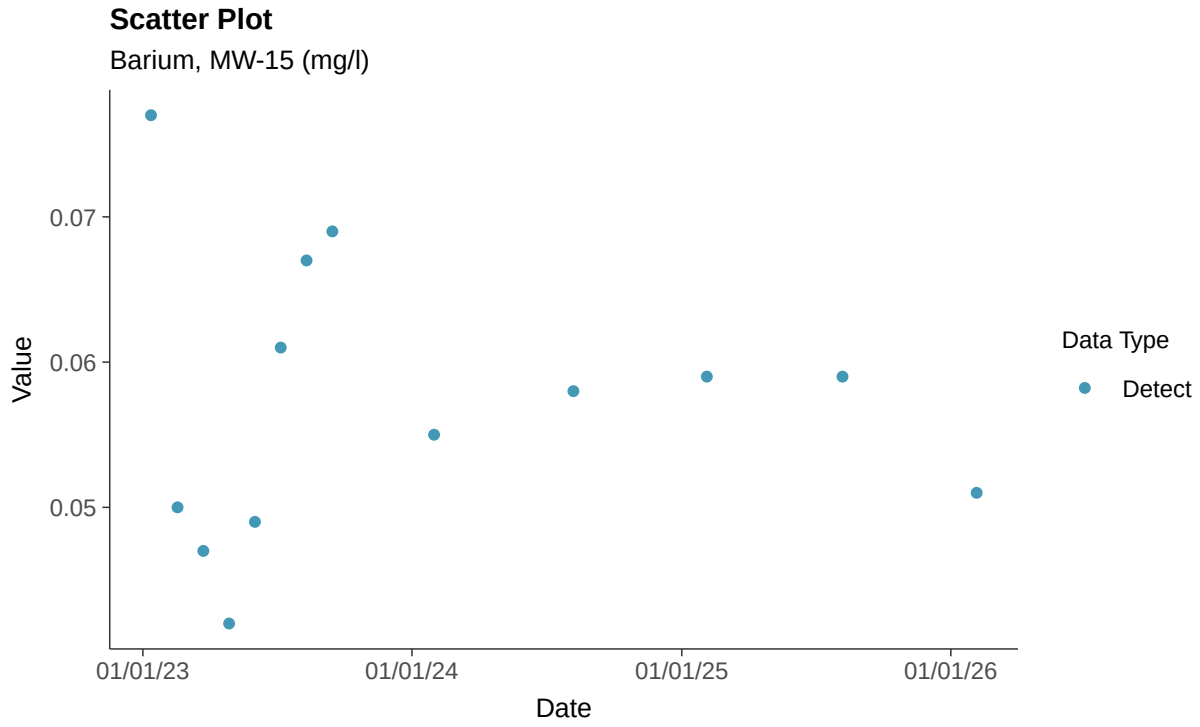
Trend Regression: Piecewise Linear-Linear-Linear

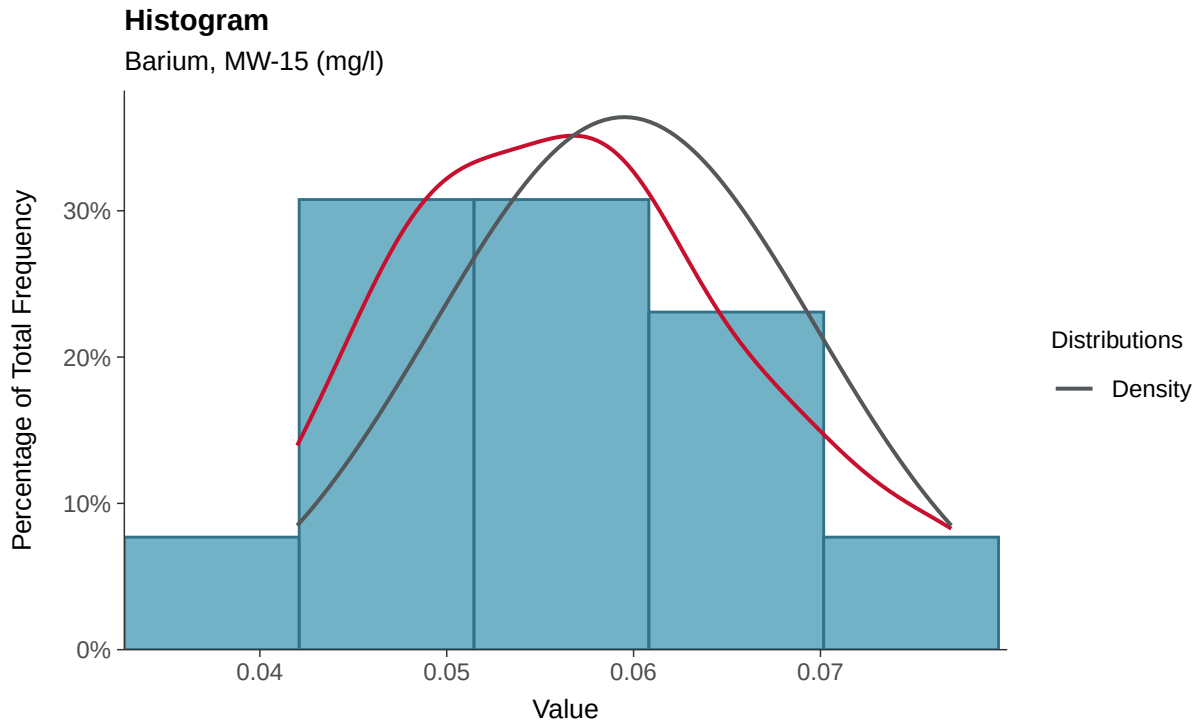
Arsenic, MW-15 (mg/l)



Appendix IV: Barium, MW-15

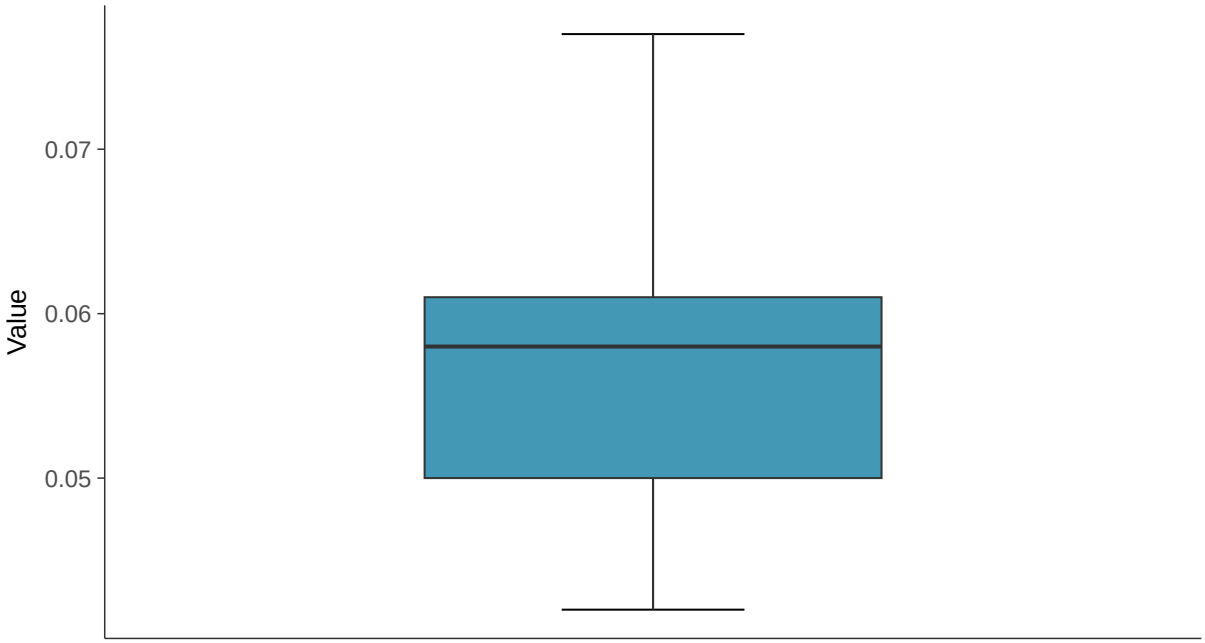
ID: 22_3_103





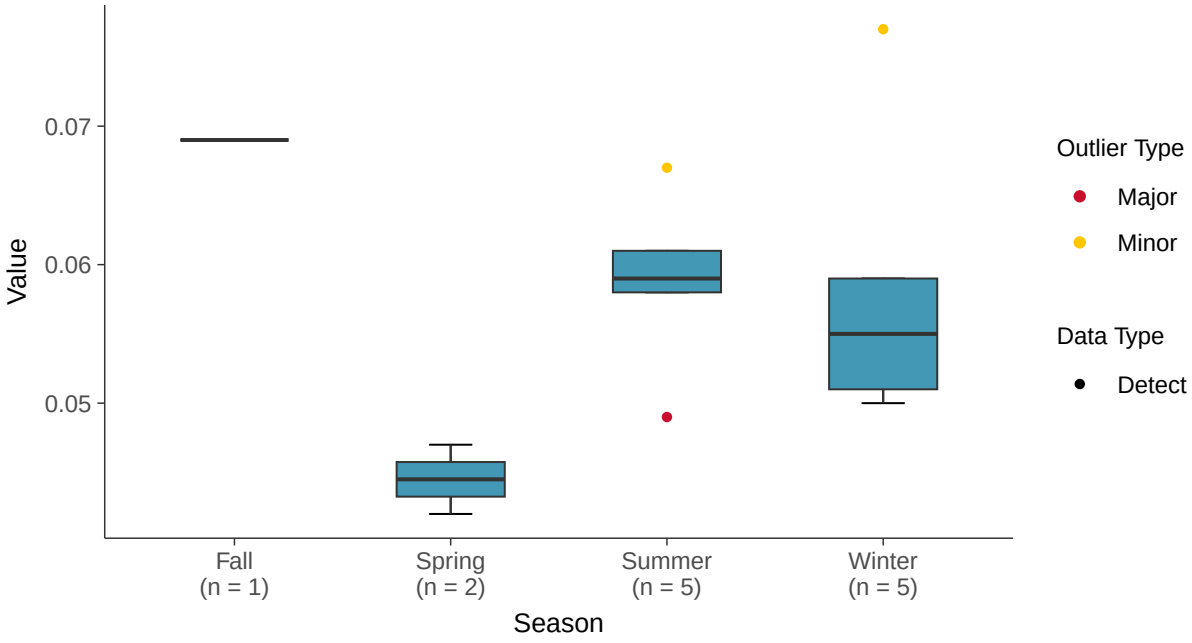
Boxplot

Barium, MW-15 (mg/l)



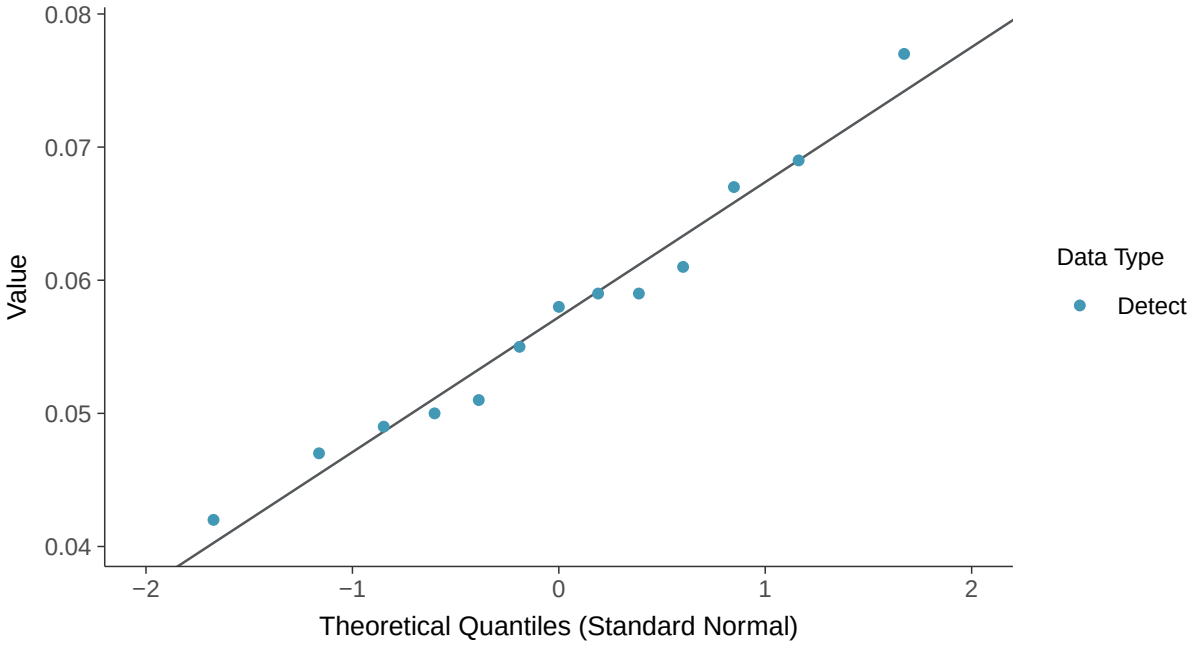
Boxplot by Season

Barium, MW-15 (mg/l)



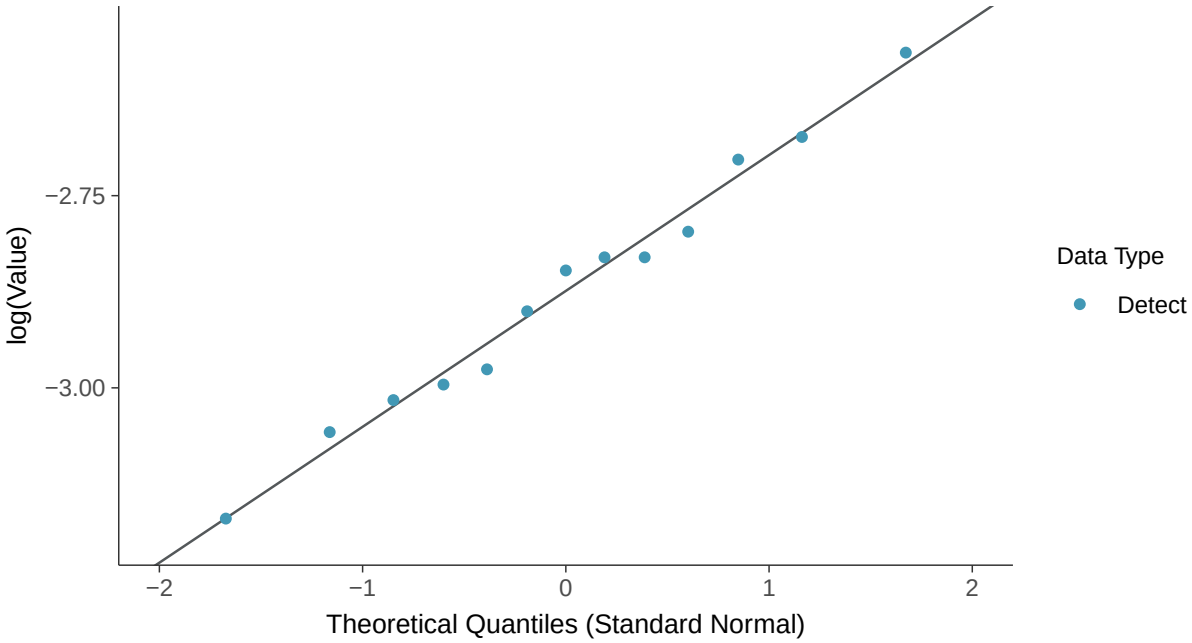
Normal Q-Q plot

Barium, MW-15 (mg/l)



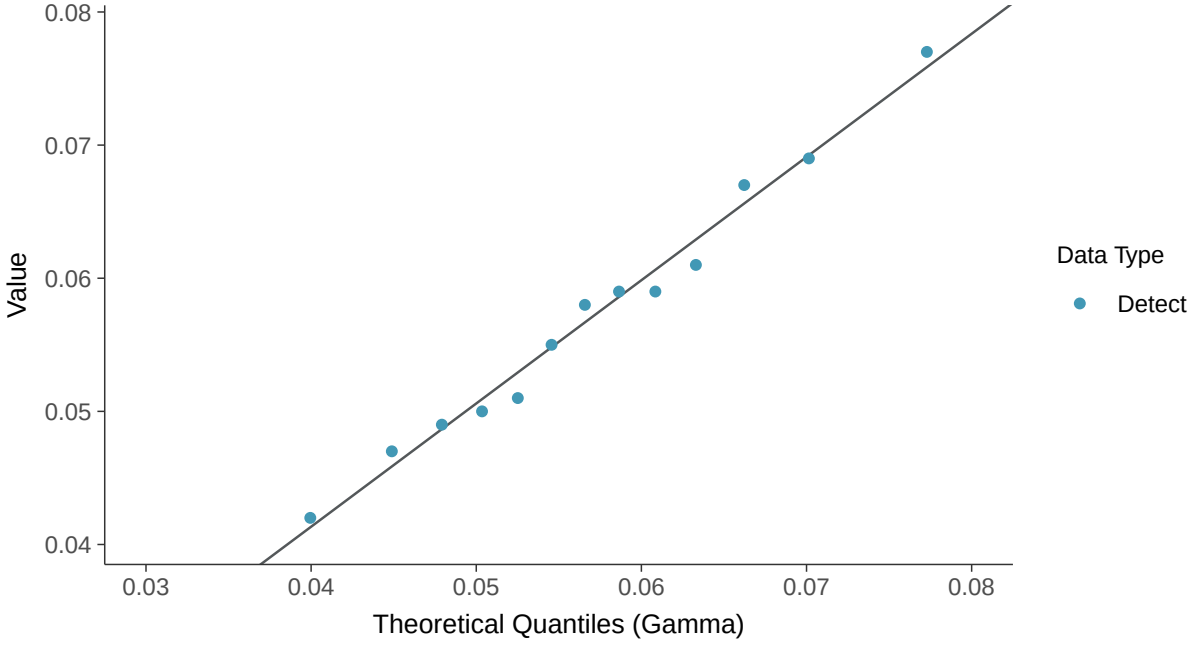
Lognormal Q-Q plot

Barium, MW-15 (mg/l)



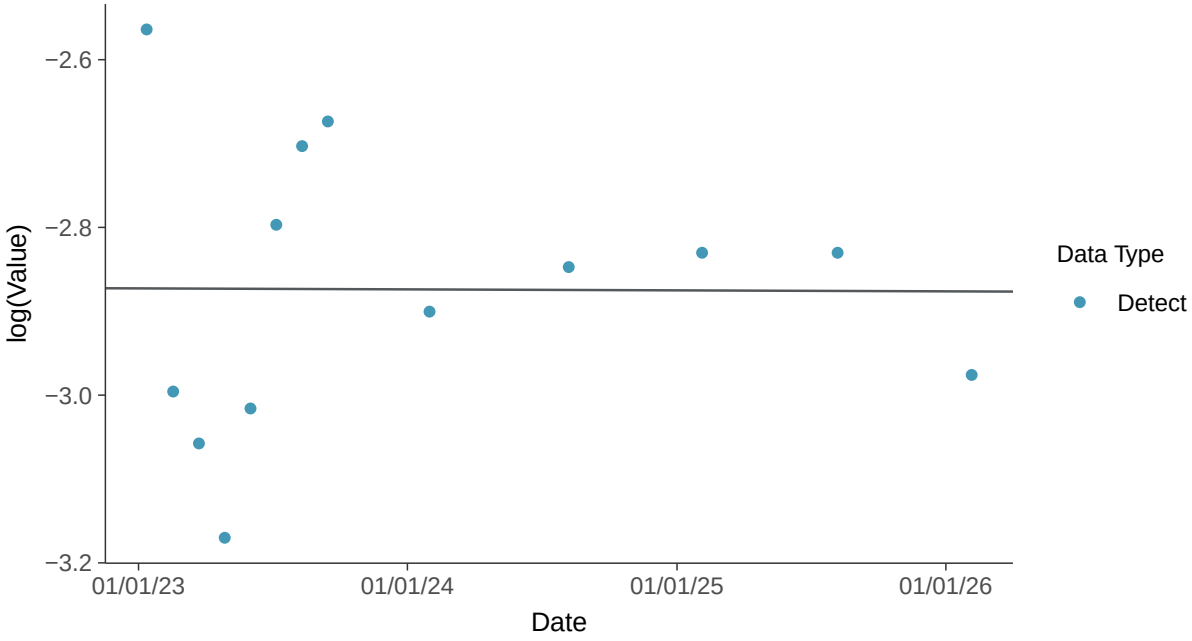
Gamma Q-Q plot

Barium, MW-15 (mg/l)



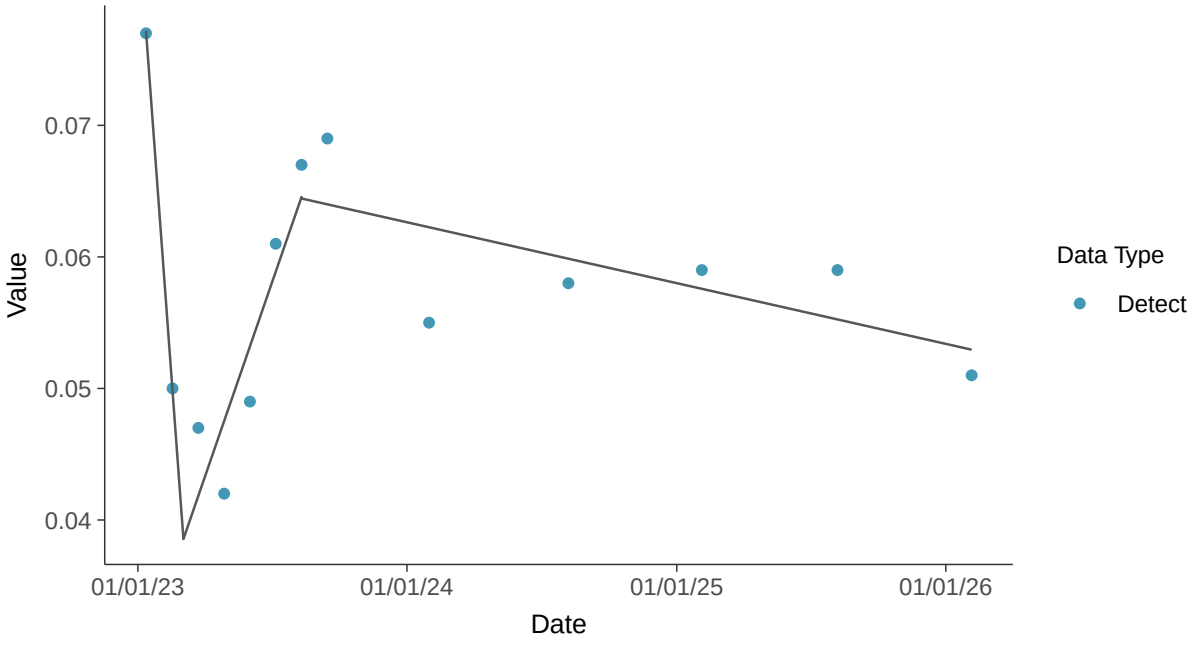
Trend Regression: Lognormal MLE

Barium, MW-15 (mg/l)



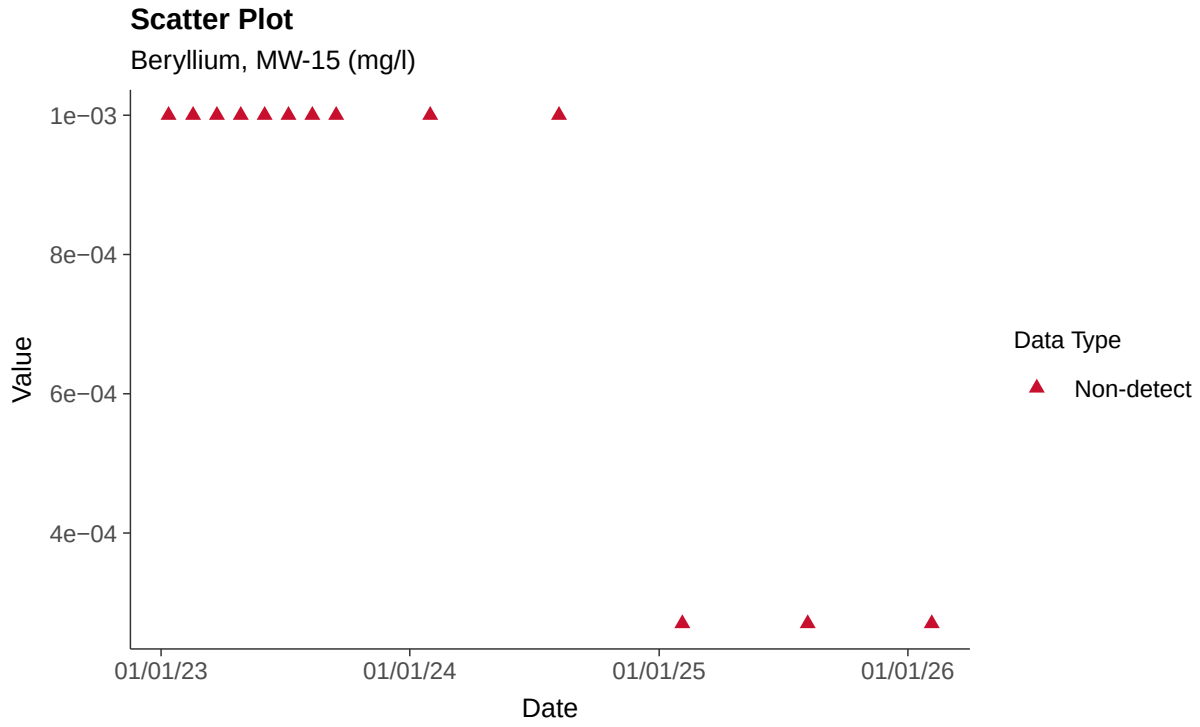
Trend Regression: Piecewise Linear-Linear-Linear

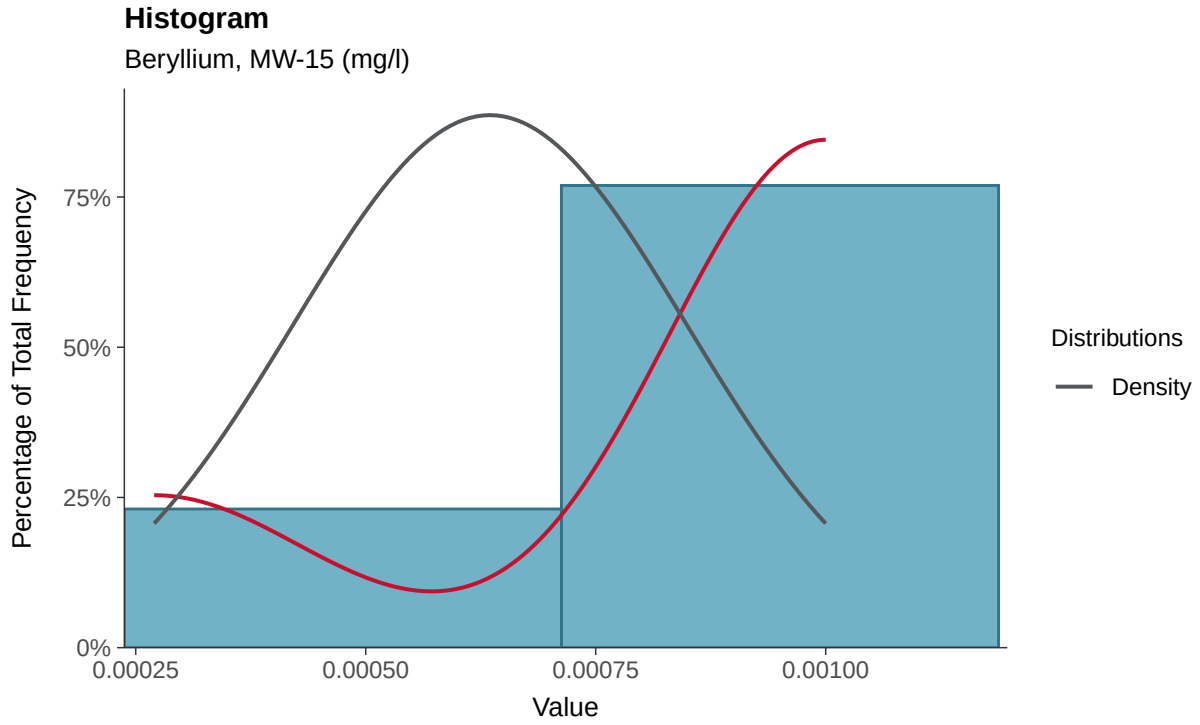
Barium, MW-15 (mg/l)



Appendix IV: Beryllium, MW-15

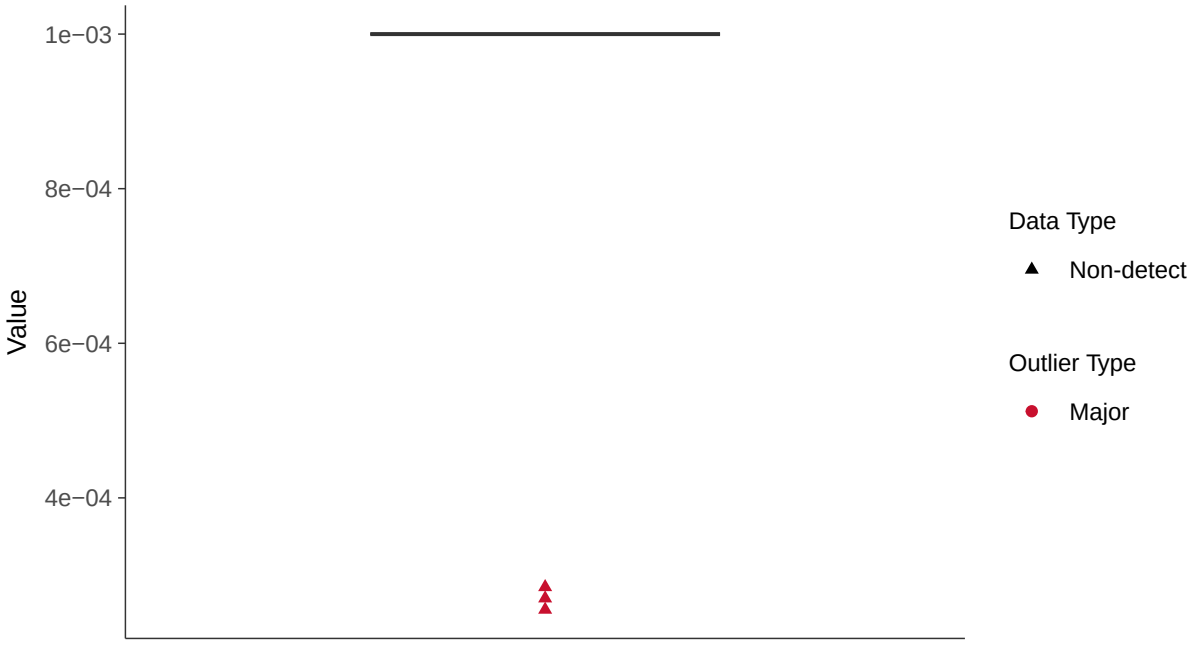
ID: 22_3_104





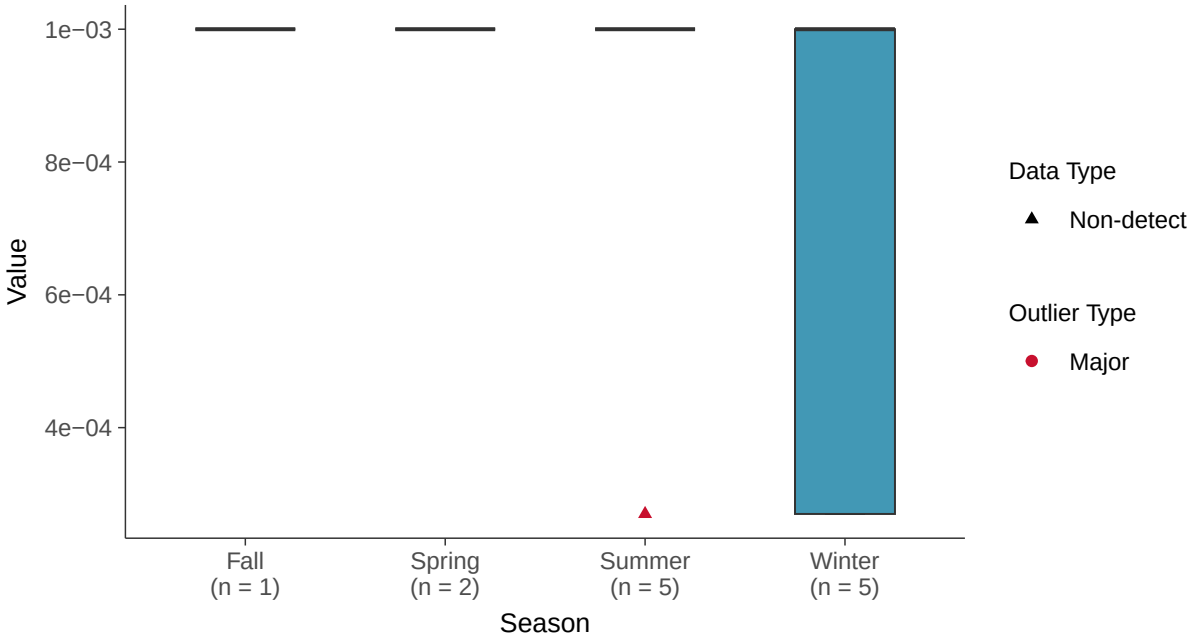
Boxplot

Beryllium, MW-15 (mg/l)



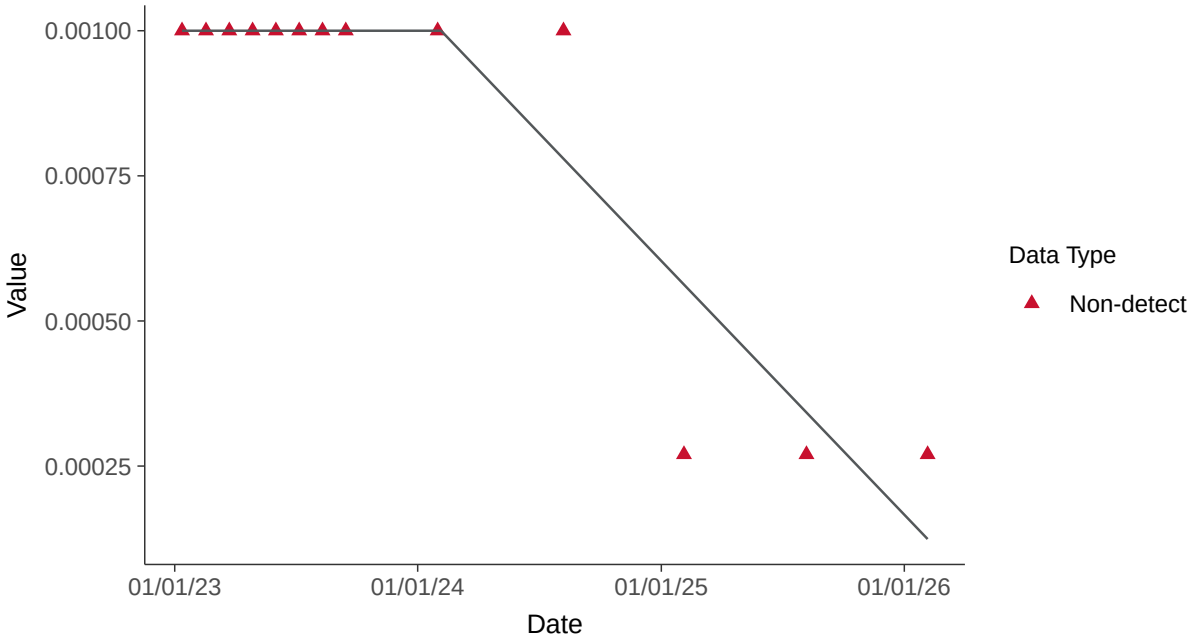
Boxplot by Season

Beryllium, MW-15 (mg/l)



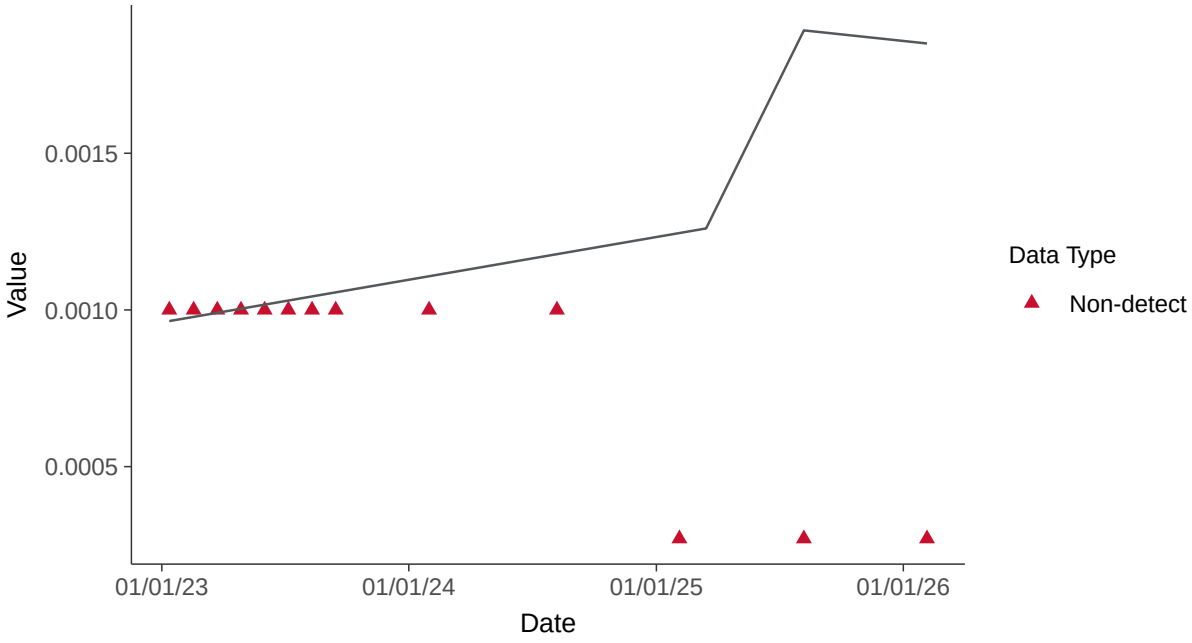
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-15 (mg/l)



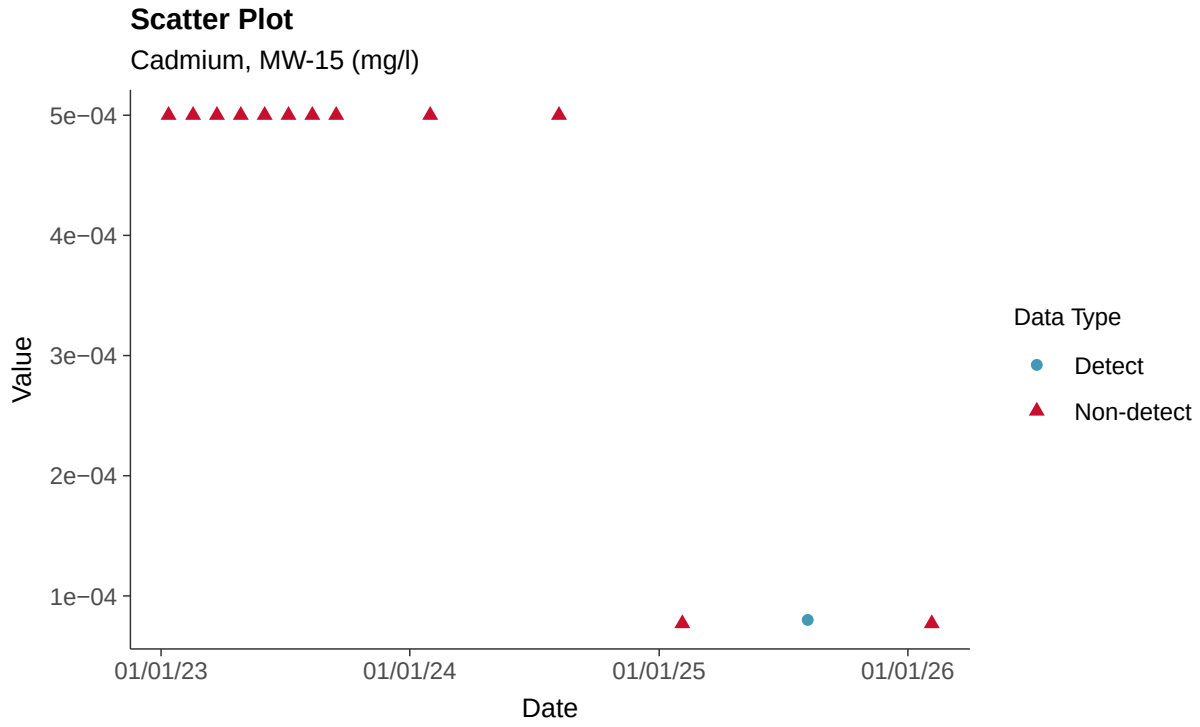
Trend Regression: Piecewise Linear-Linear-Linear

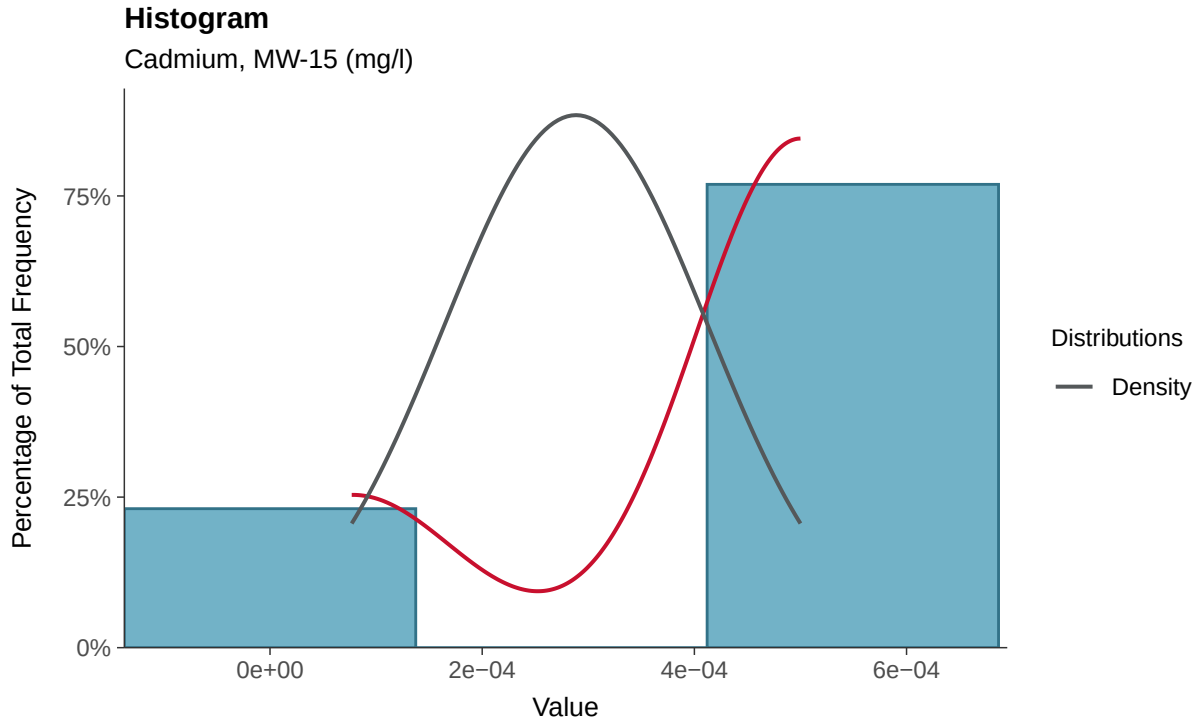
Beryllium, MW-15 (mg/l)



Appendix IV: Cadmium, MW-15

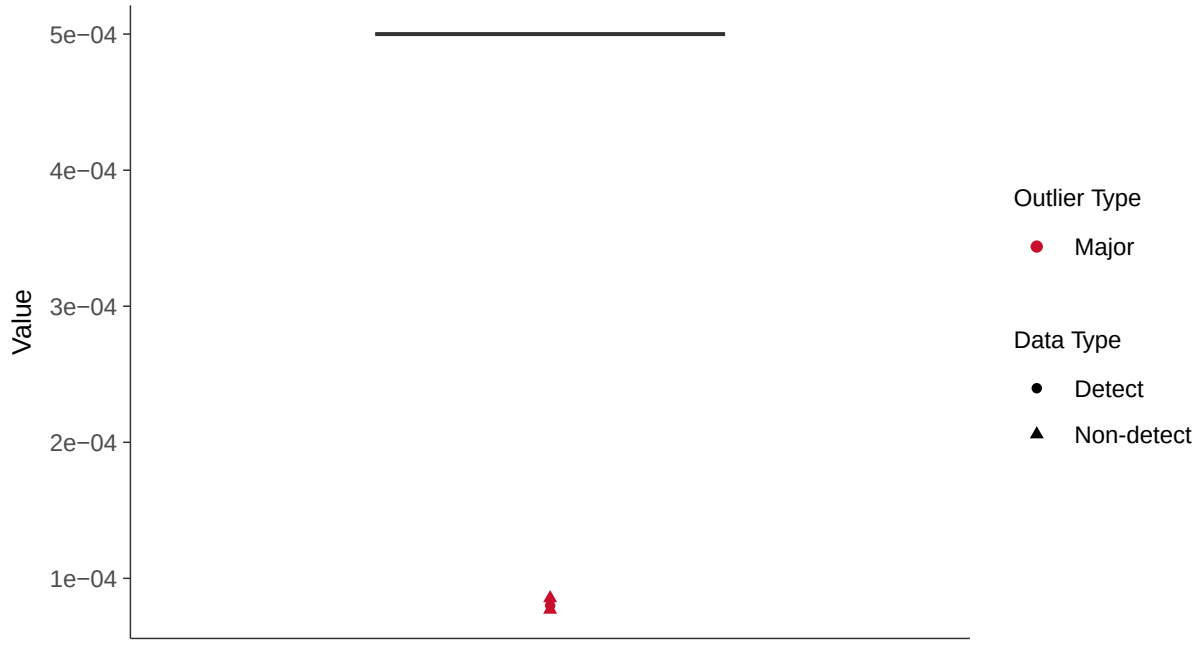
ID: 22_3_106





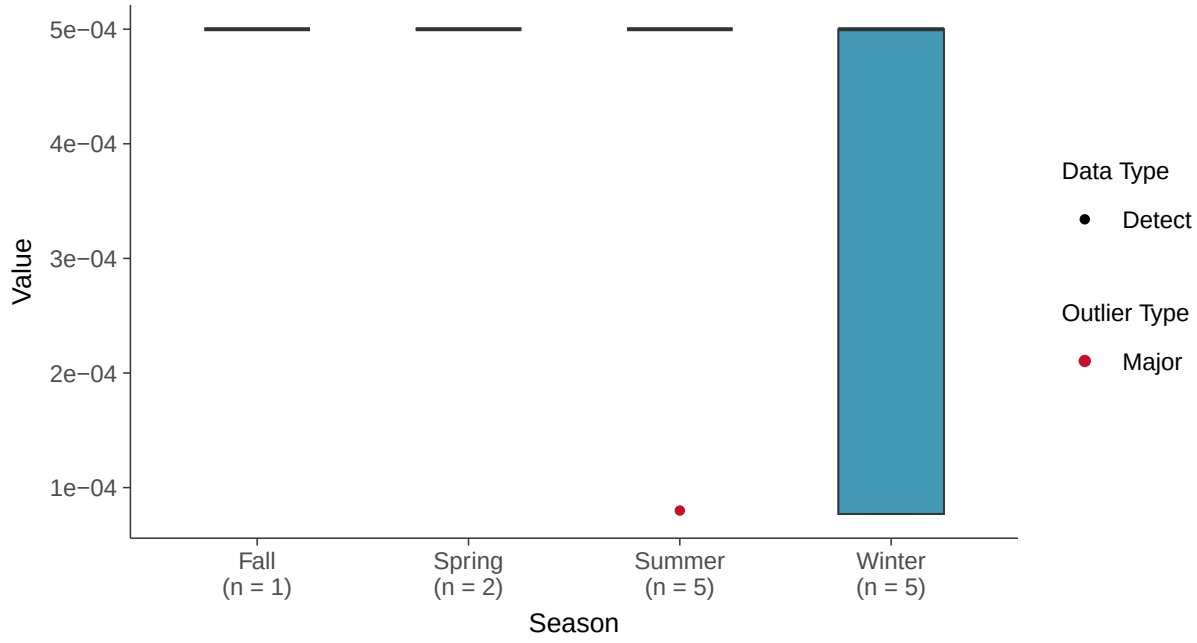
Boxplot

Cadmium, MW-15 (mg/l)



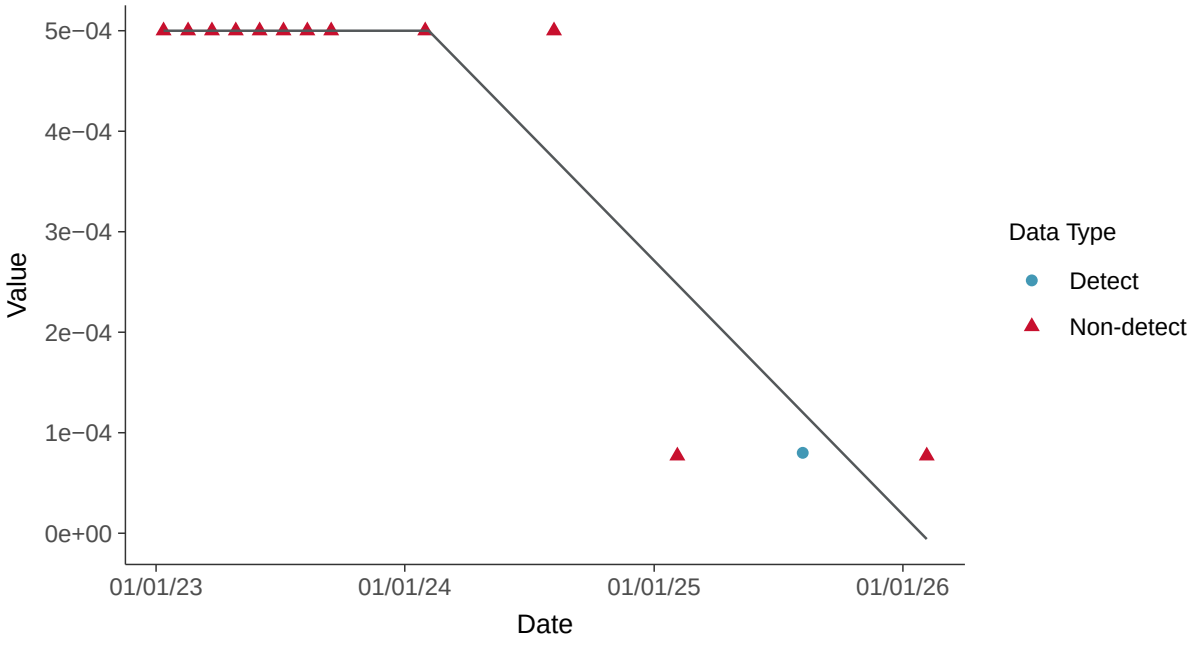
Boxplot by Season

Cadmium, MW-15 (mg/l)



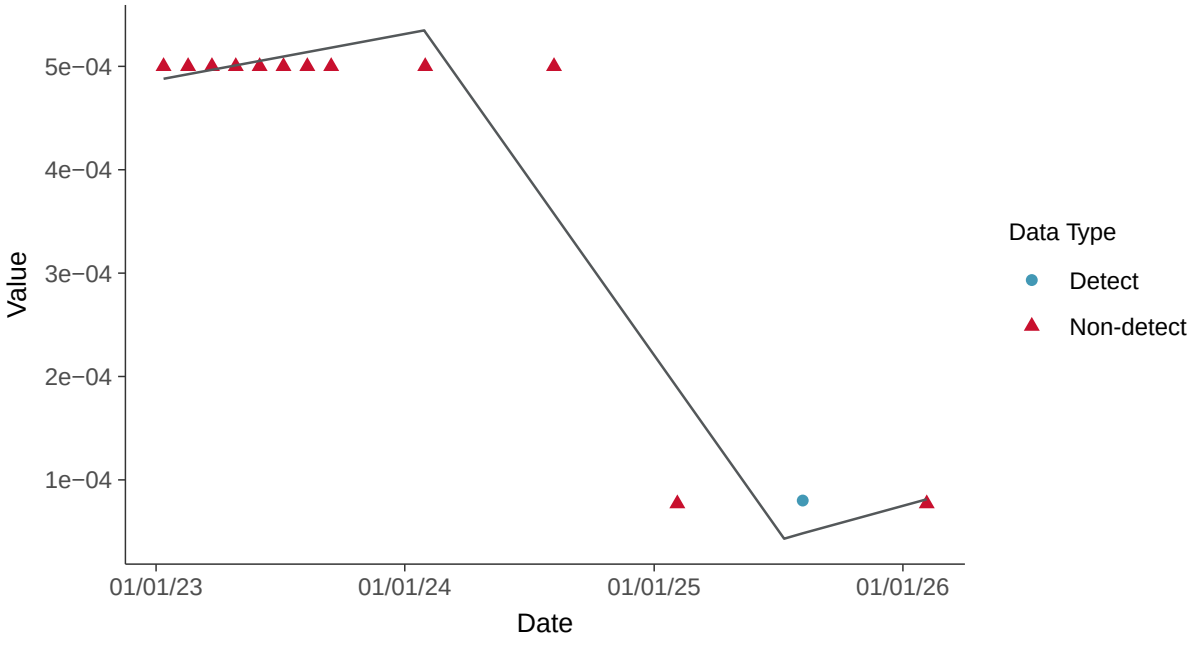
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-15 (mg/l)



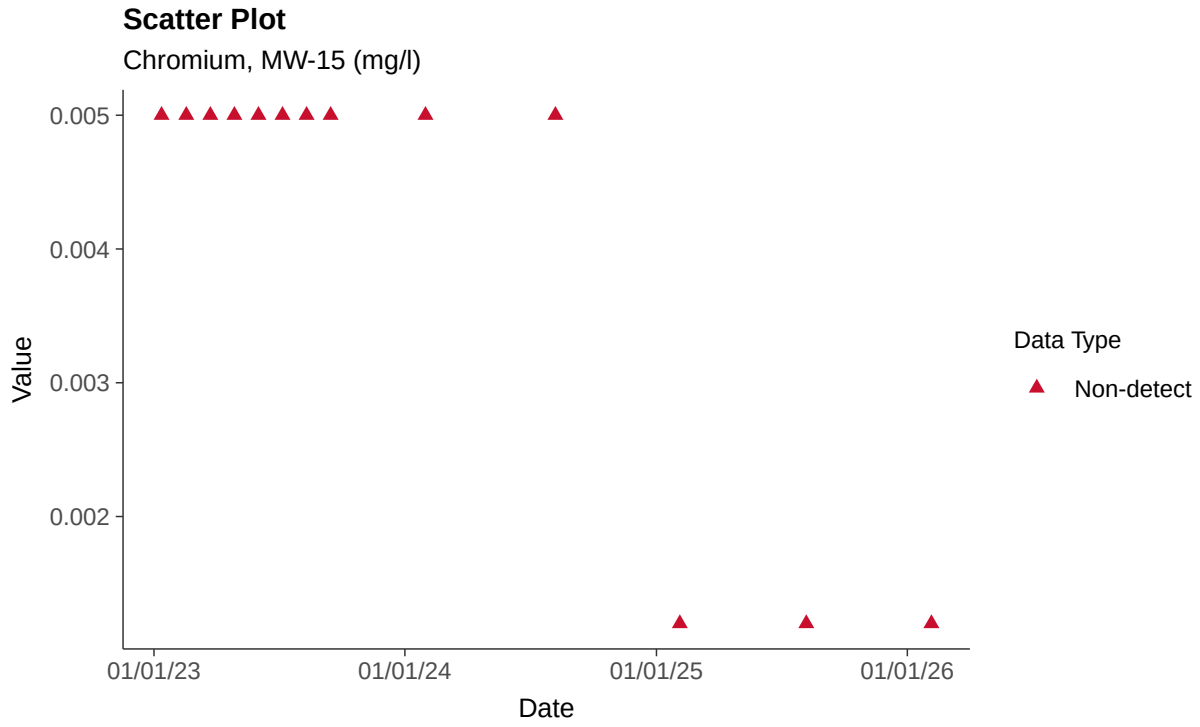
Trend Regression: Piecewise Linear-Linear-Linear

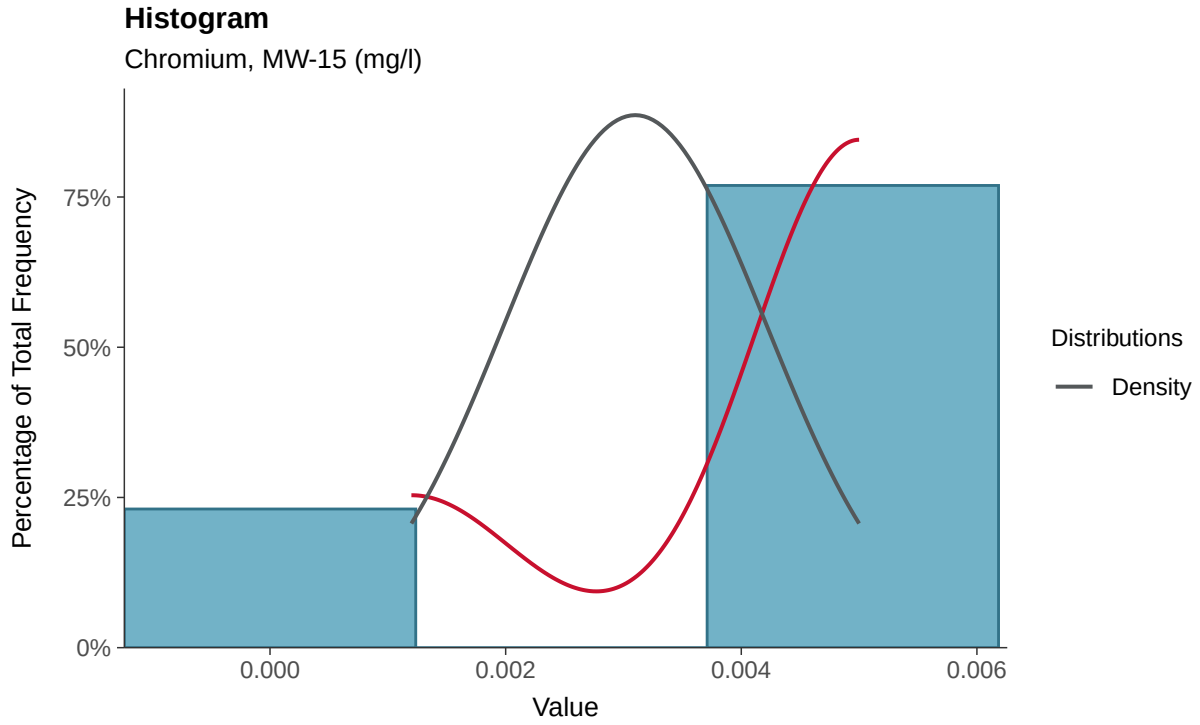
Cadmium, MW-15 (mg/l)



Appendix IV: Chromium, MW-15

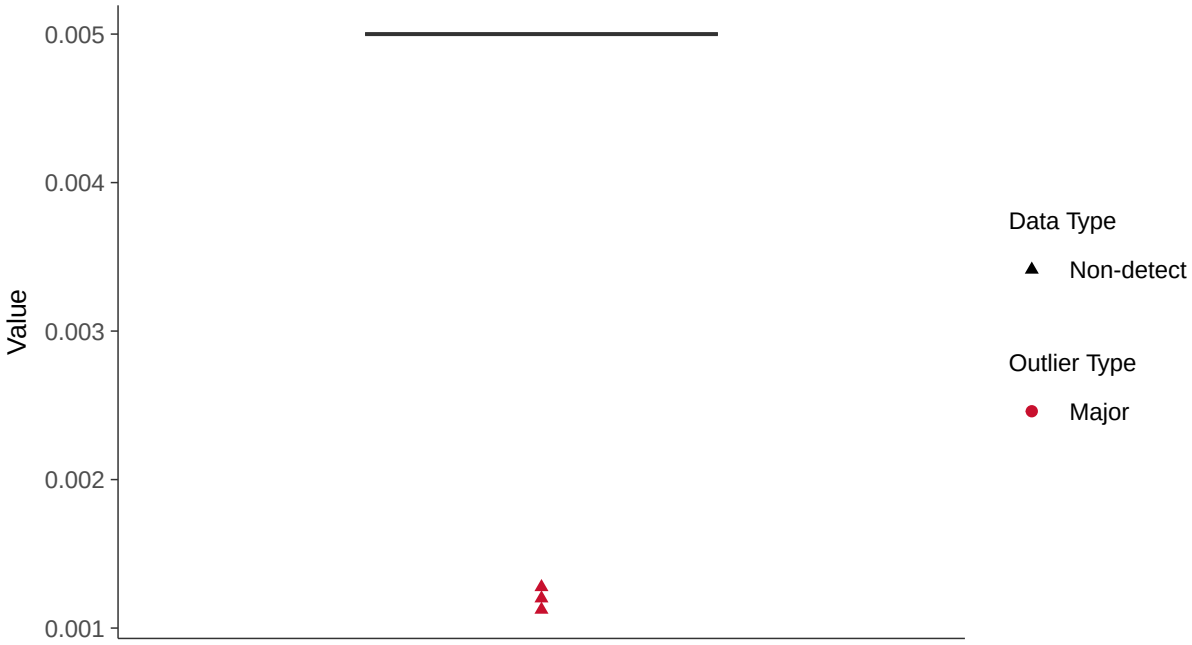
ID: 22_3_109





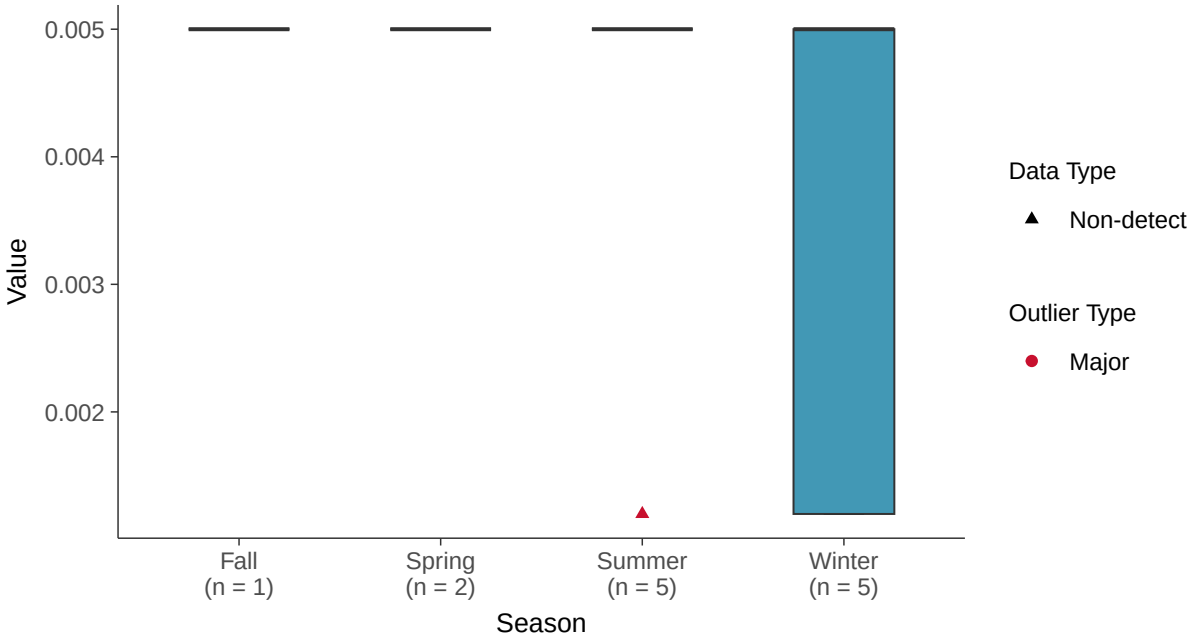
Boxplot

Chromium, MW-15 (mg/l)



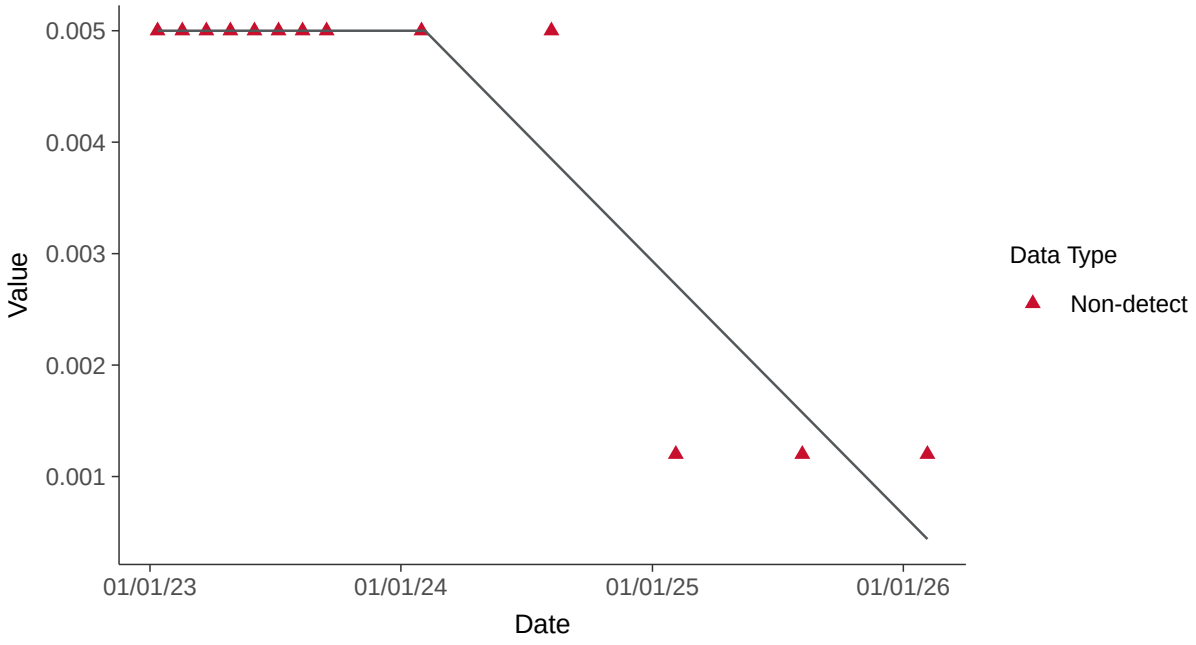
Boxplot by Season

Chromium, MW-15 (mg/l)



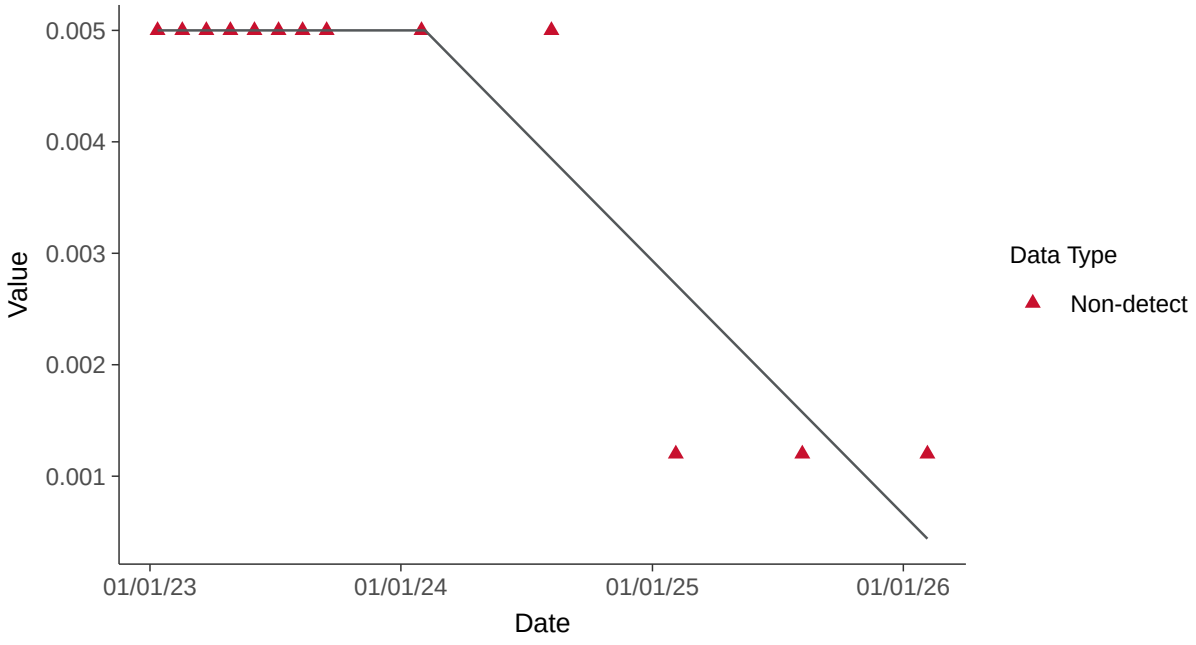
Trend Regression: Piecewise Linear-Linear

Chromium, MW-15 (mg/l)



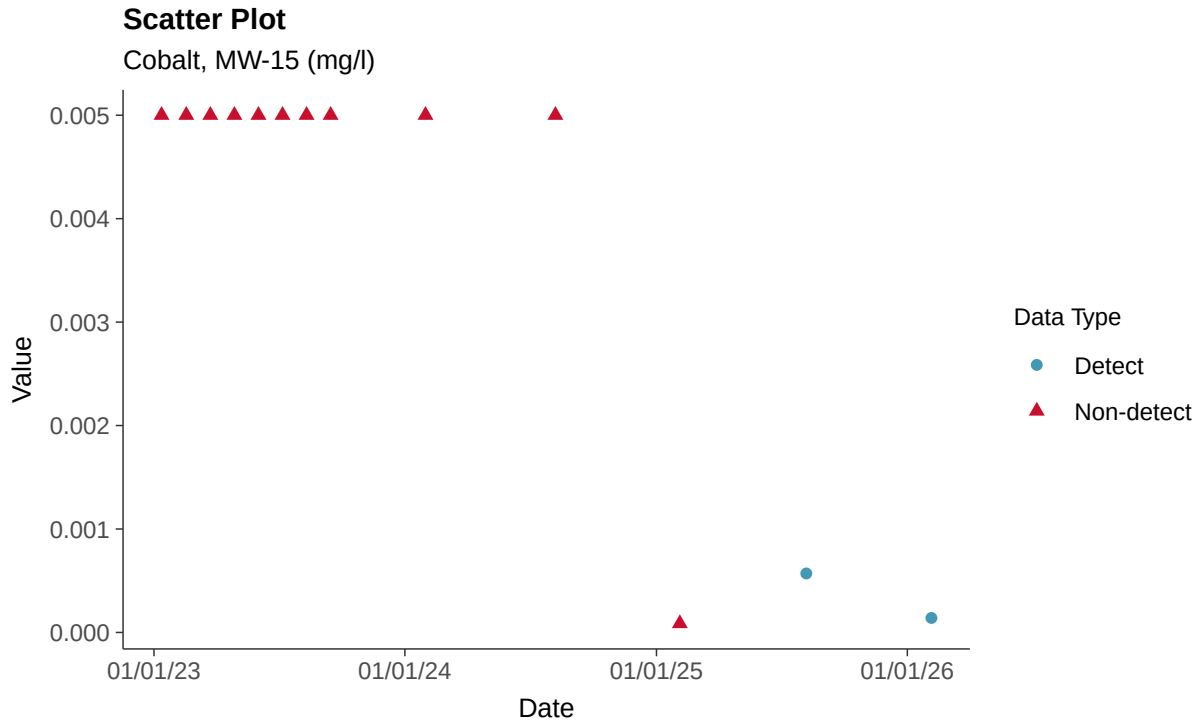
Trend Regression: Piecewise Linear-Linear-Linear

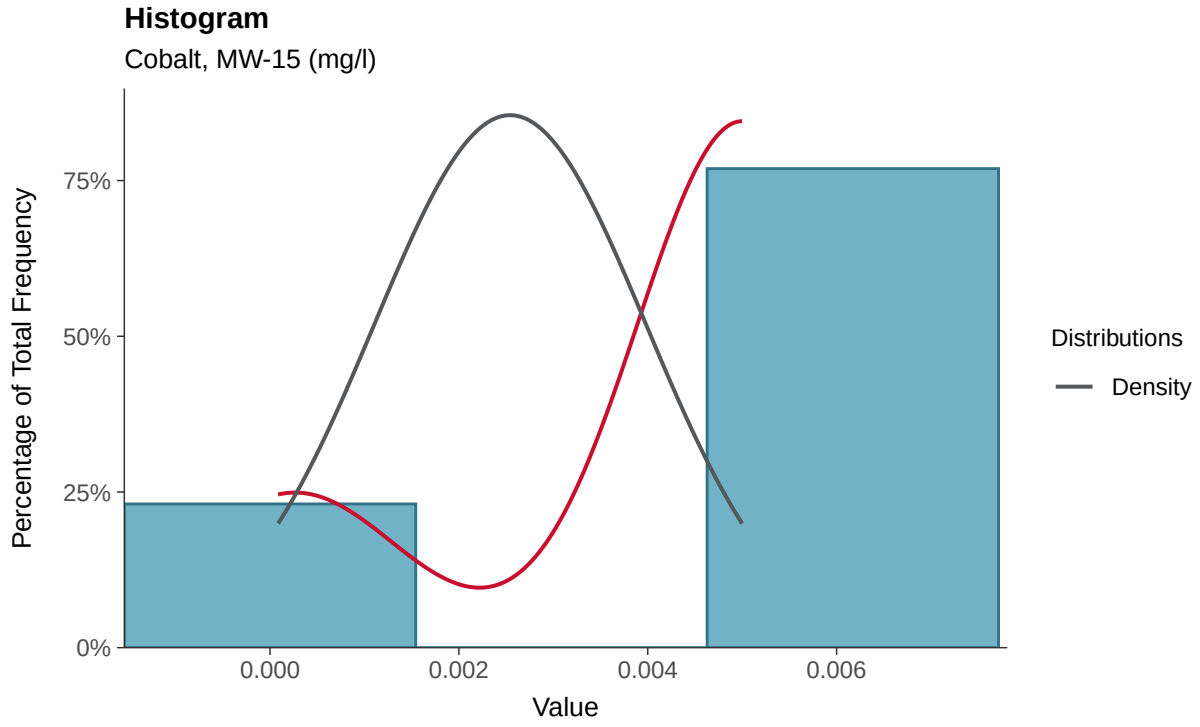
Chromium, MW-15 (mg/l)



Appendix IV: Cobalt, MW-15

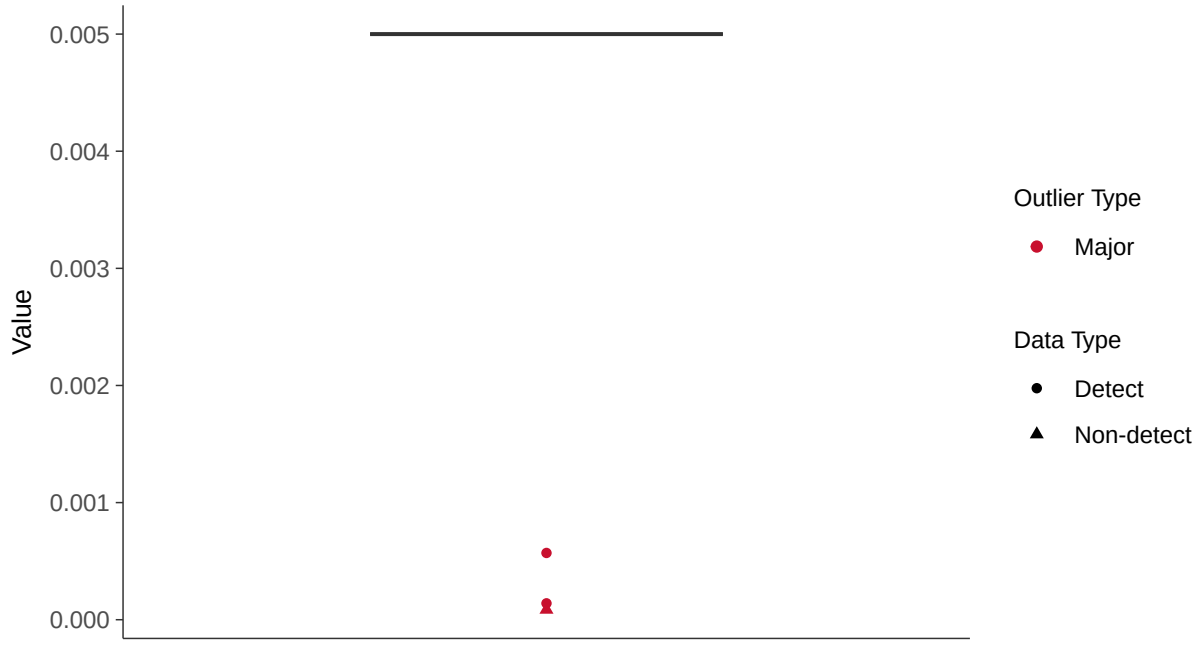
ID: 22_3_110





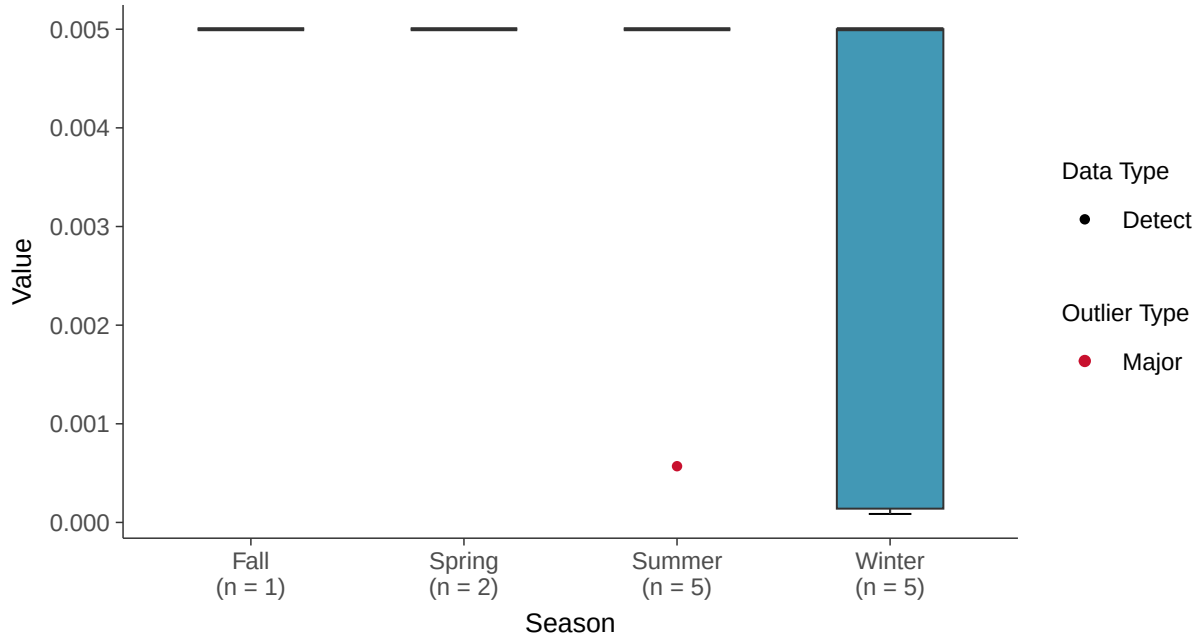
Boxplot

Cobalt, MW-15 (mg/l)



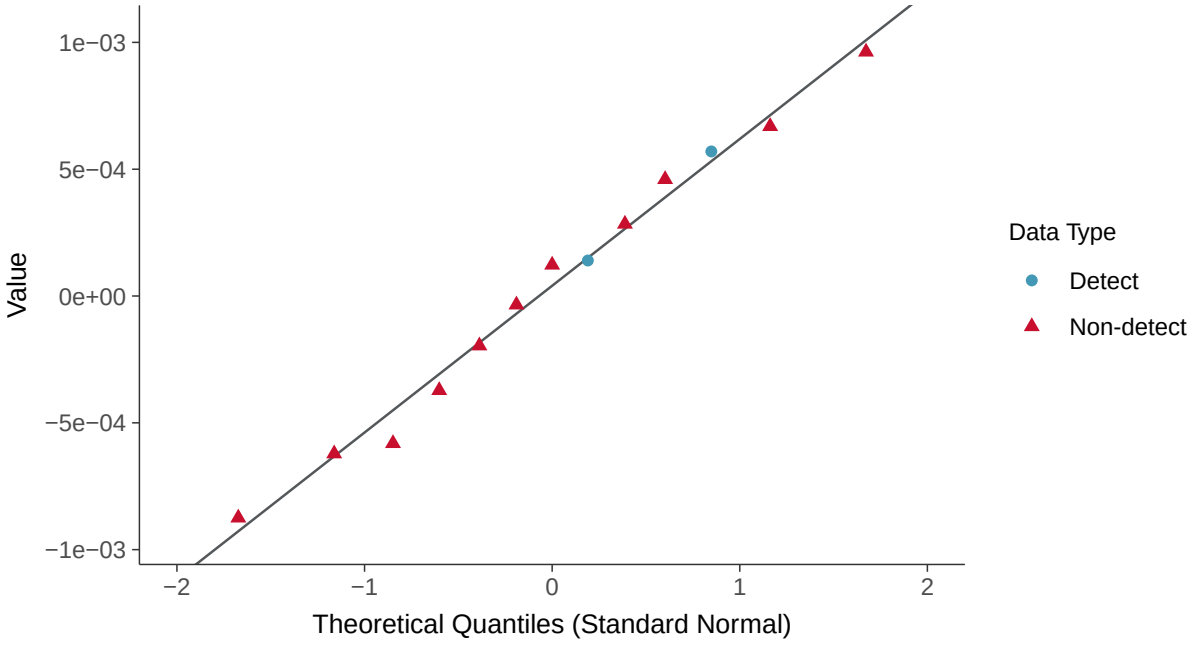
Boxplot by Season

Cobalt, MW-15 (mg/l)



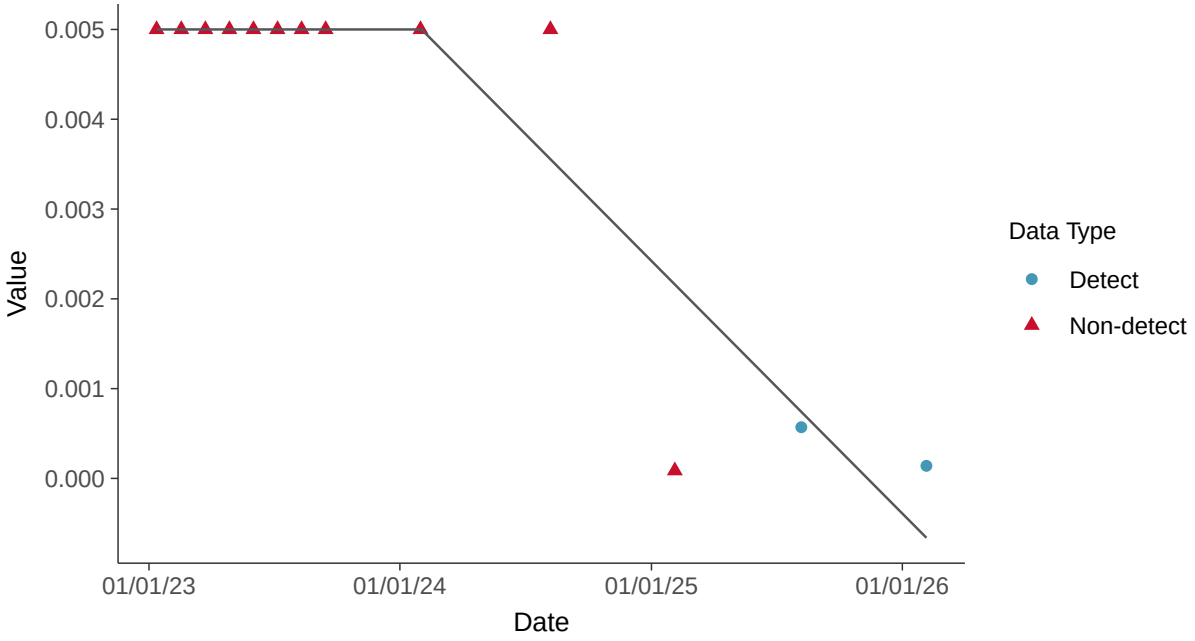
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-15 (mg/l)



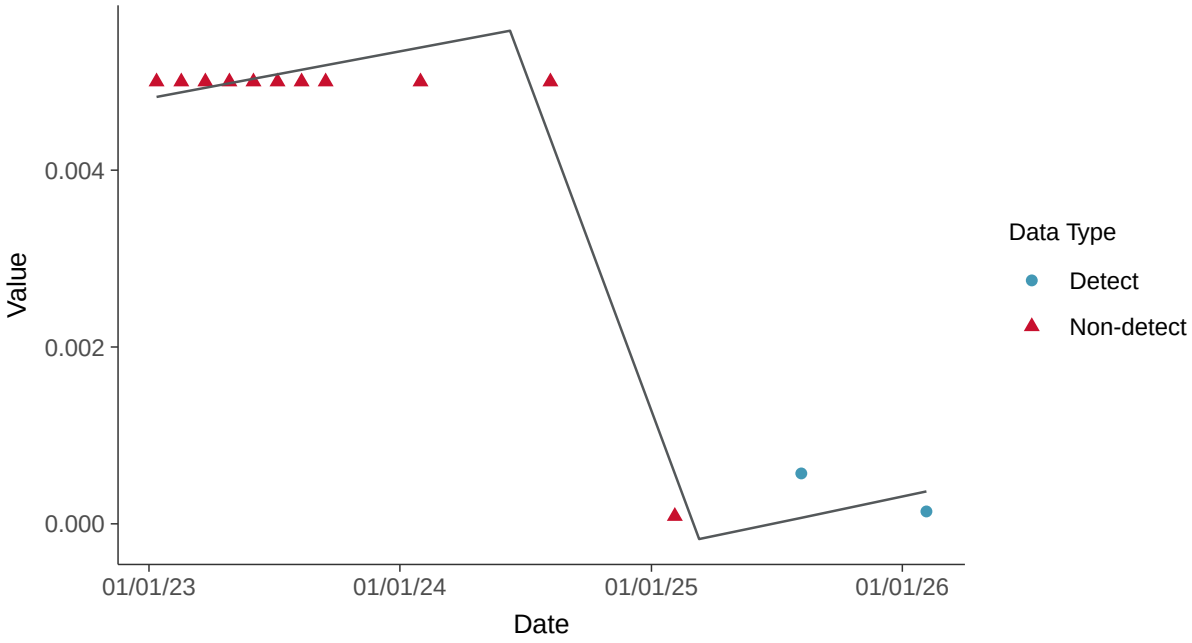
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-15 (mg/l)



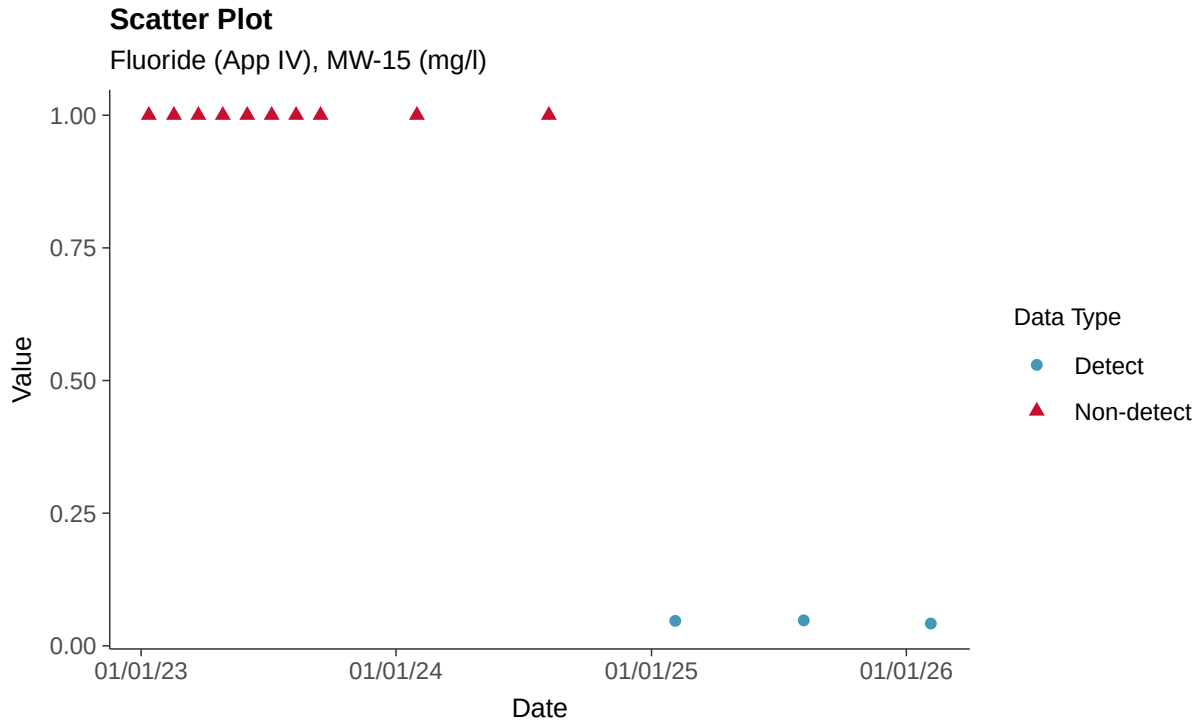
Trend Regression: Piecewise Linear-Linear-Linear

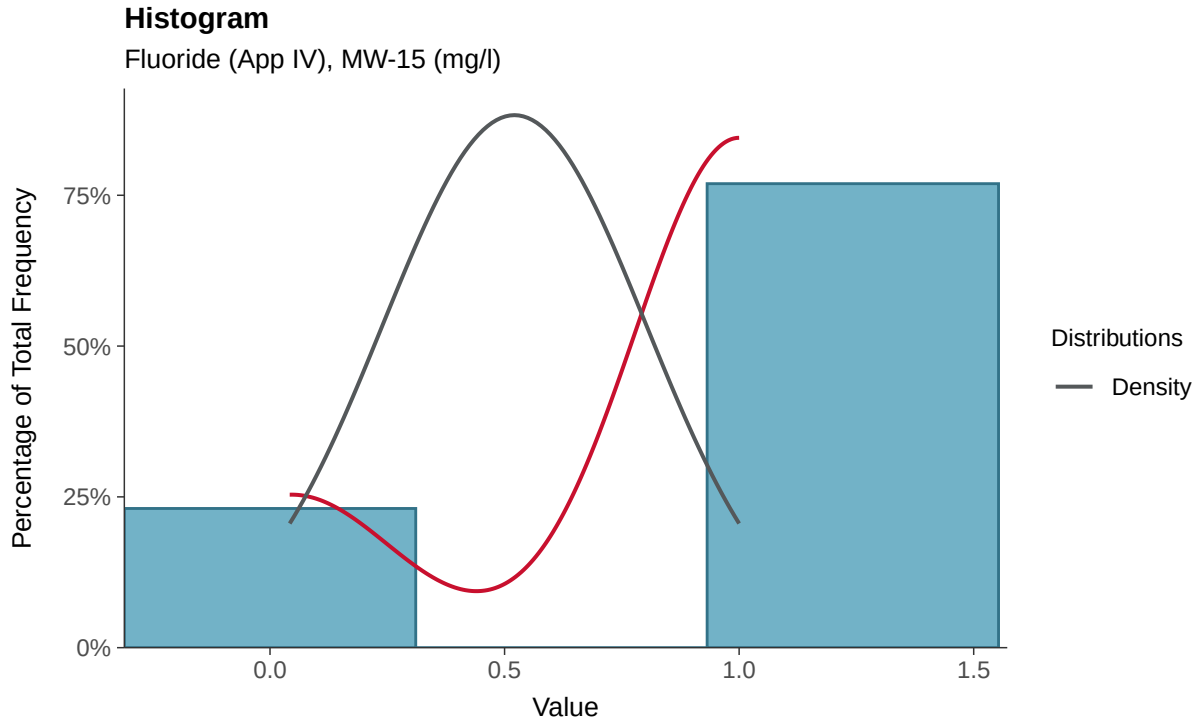
Cobalt, MW-15 (mg/l)



Appendix IV: Fluoride (App IV), MW-15

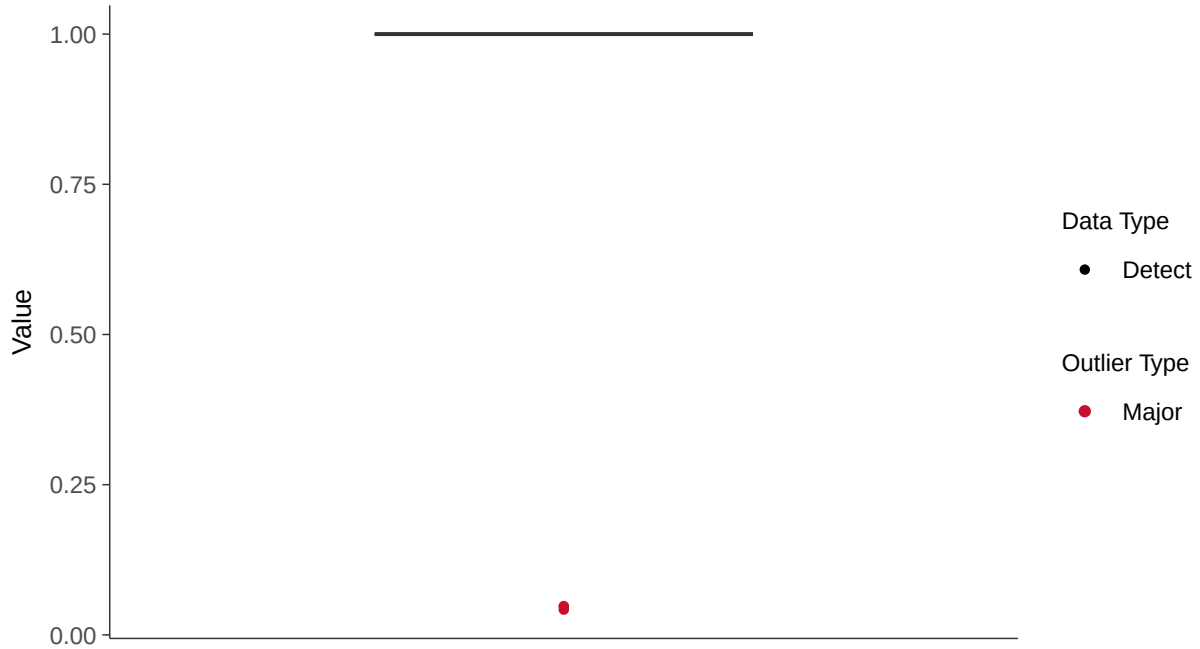
ID: 22_3_113





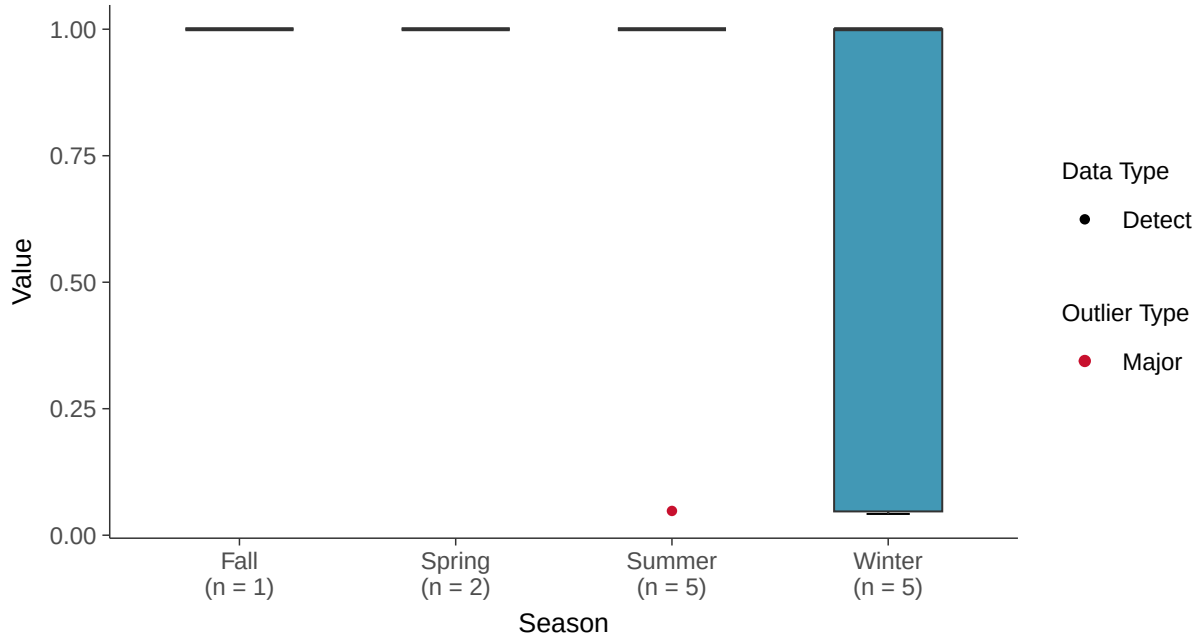
Boxplot

Fluoride (App IV), MW-15 (mg/l)



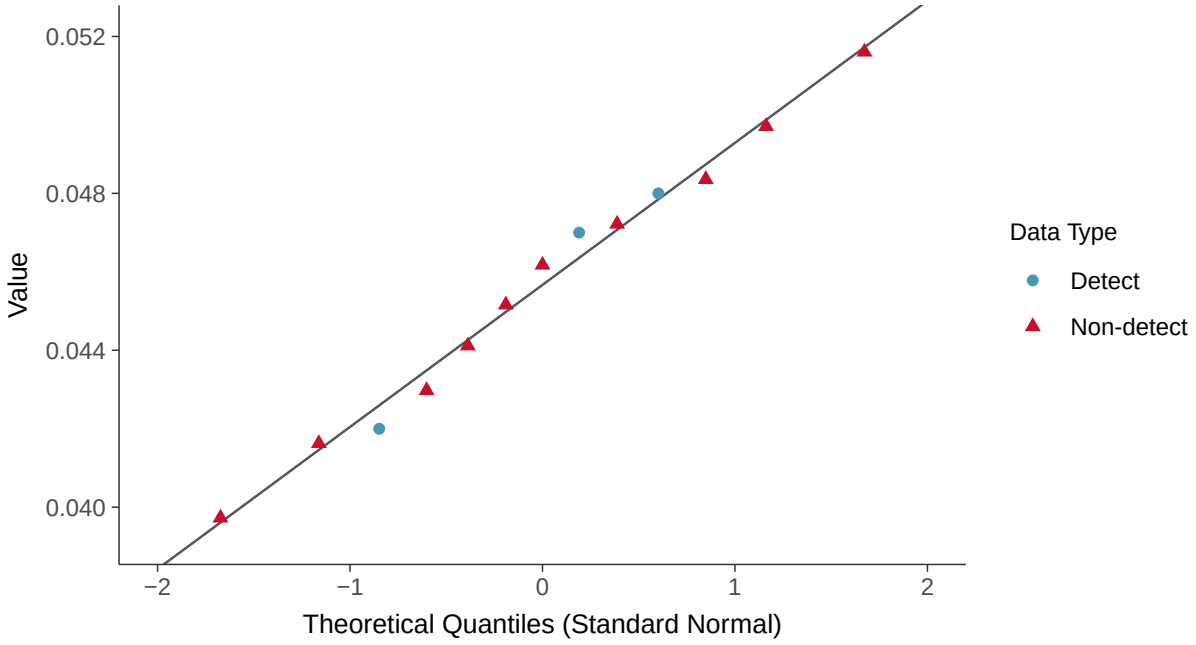
Boxplot by Season

Fluoride (App IV), MW-15 (mg/l)



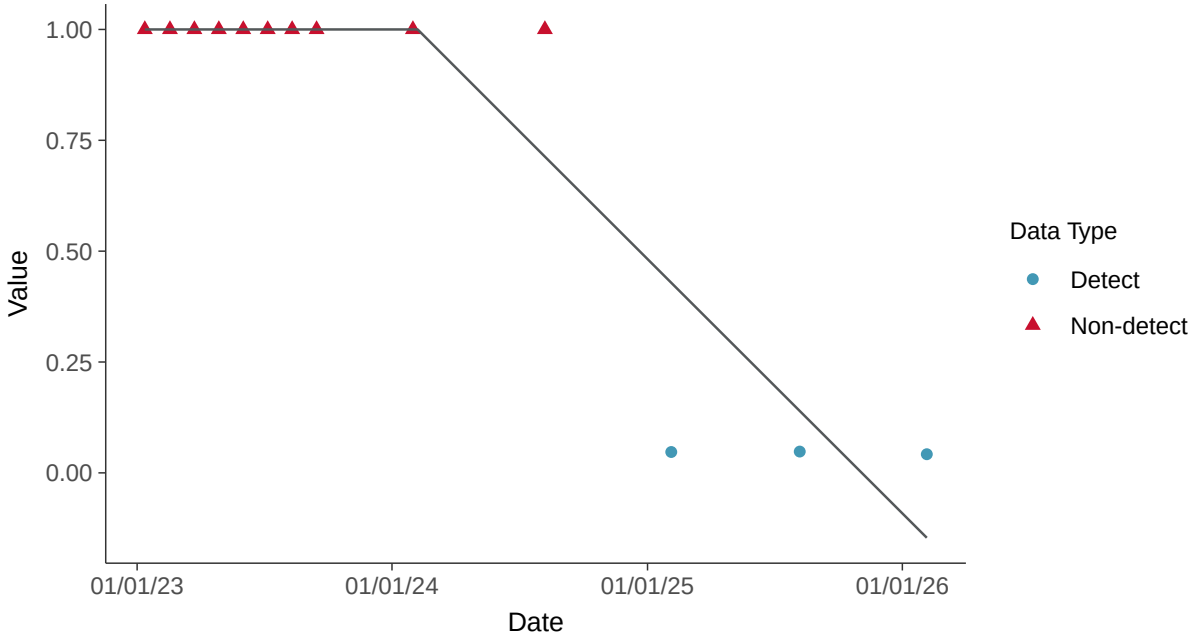
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-15 (mg/l)



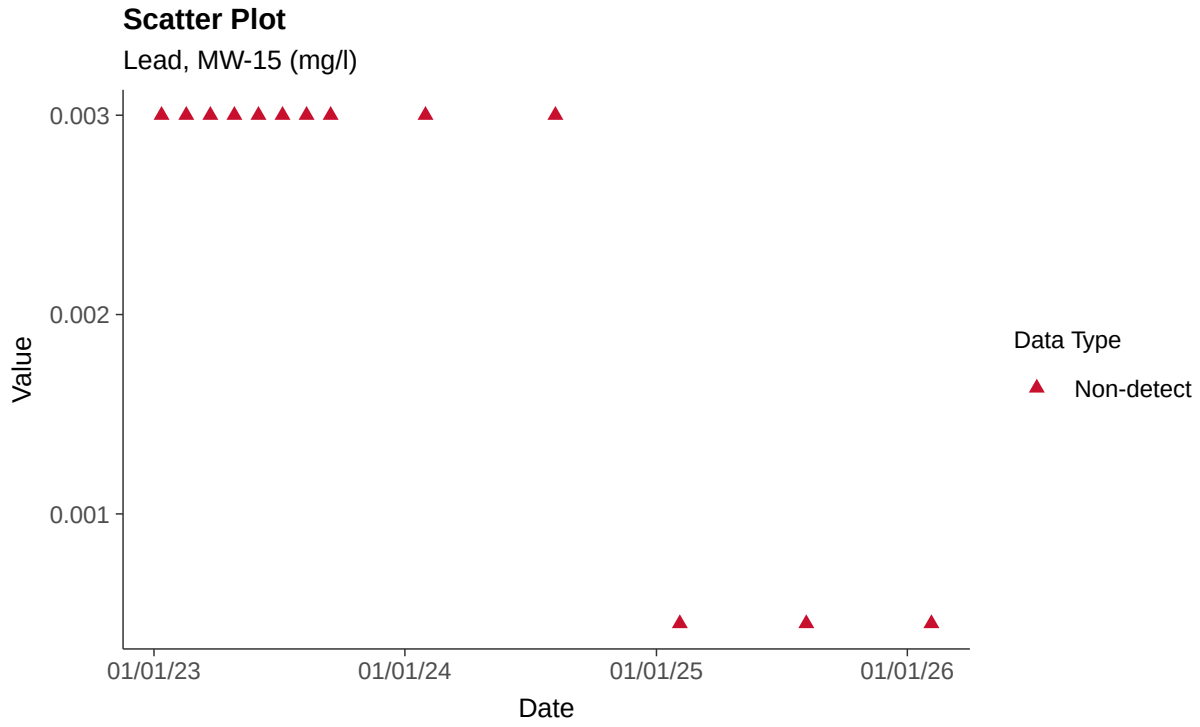
Trend Regression: Piecewise Linear-Linear

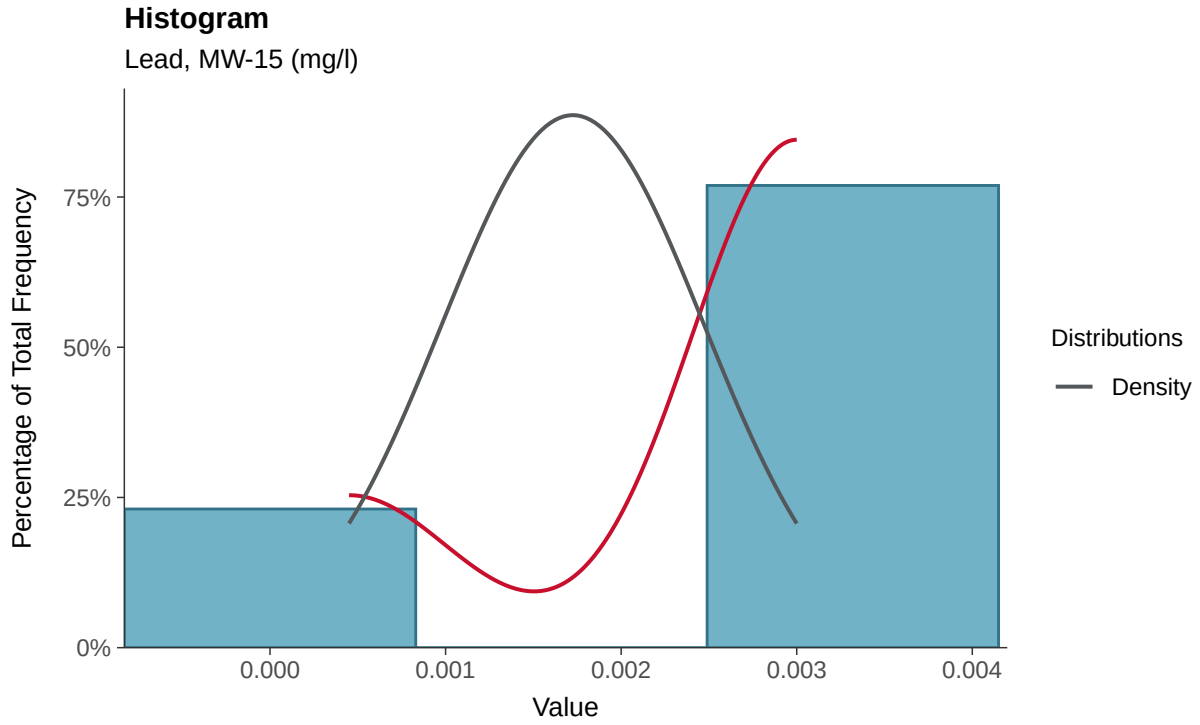
Fluoride (App IV), MW-15 (mg/l)



Appendix IV: Lead, MW-15

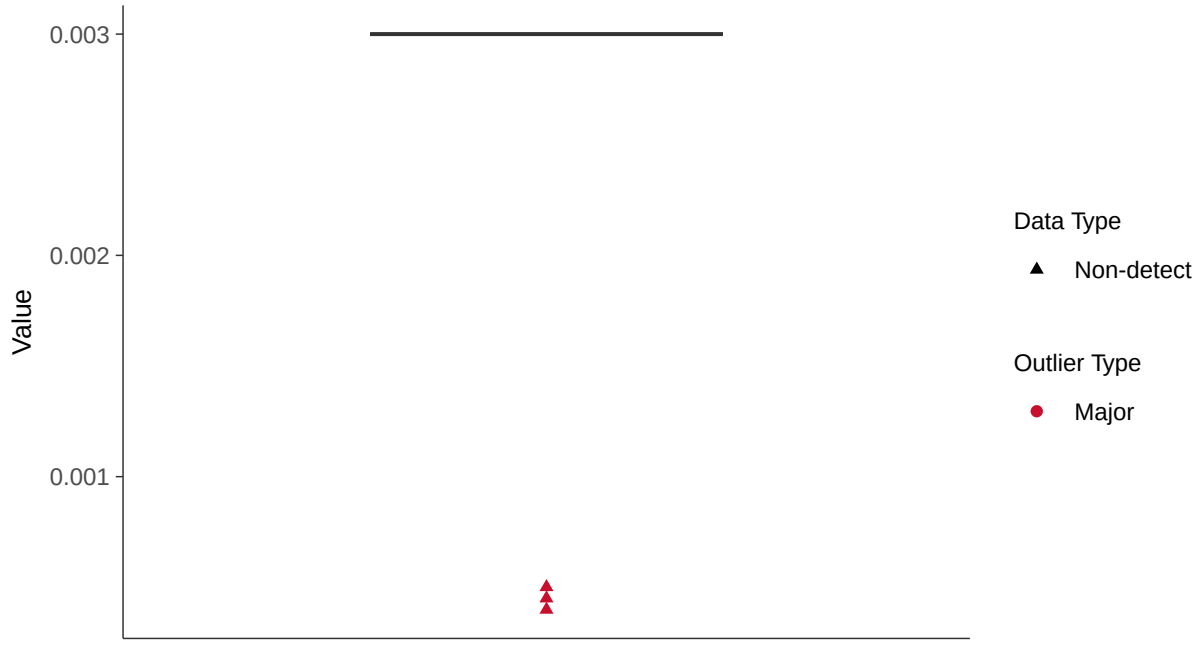
ID: 22_3_115





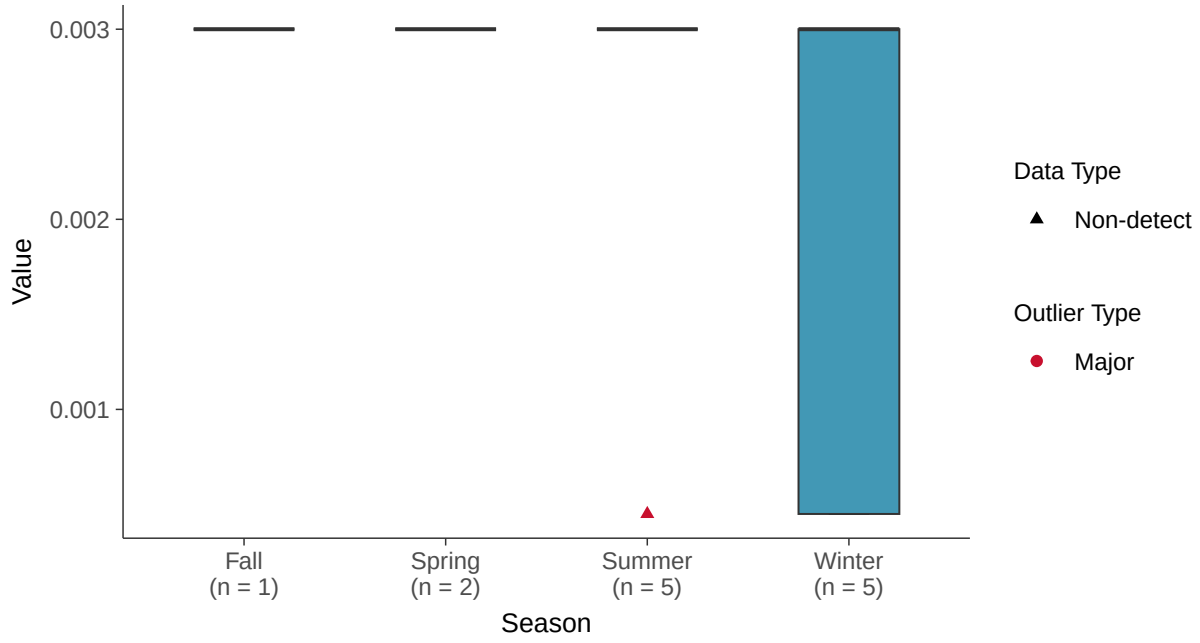
Boxplot

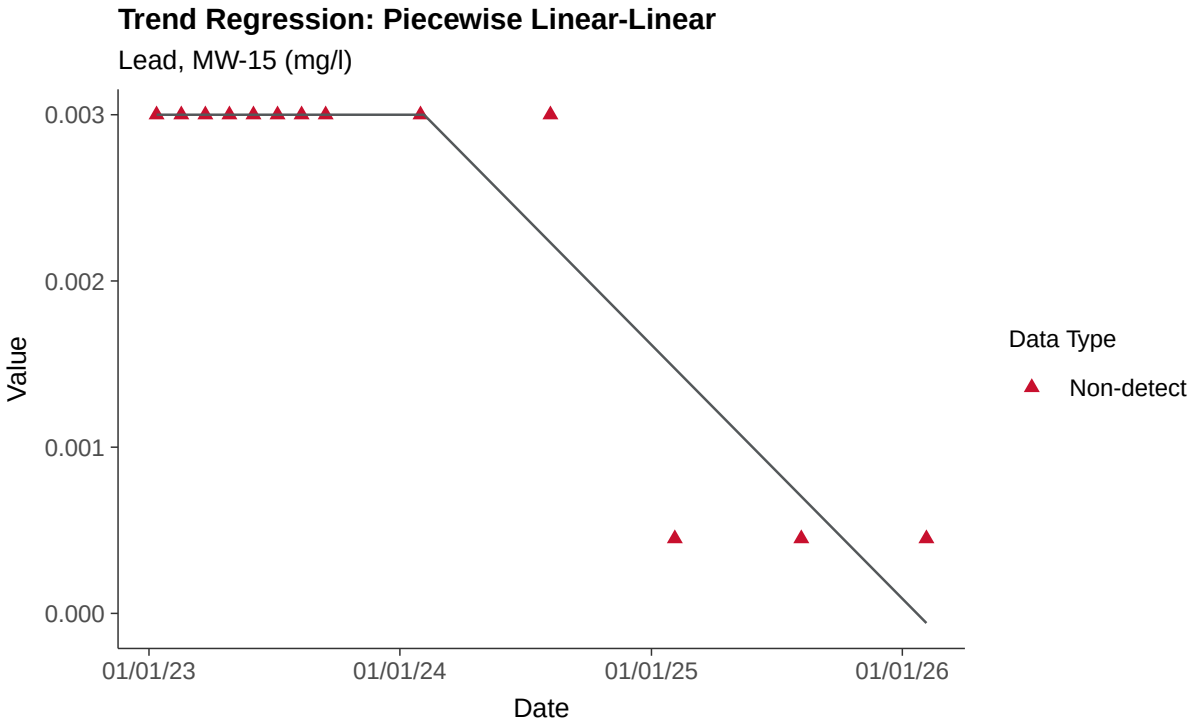
Lead, MW-15 (mg/l)



Boxplot by Season

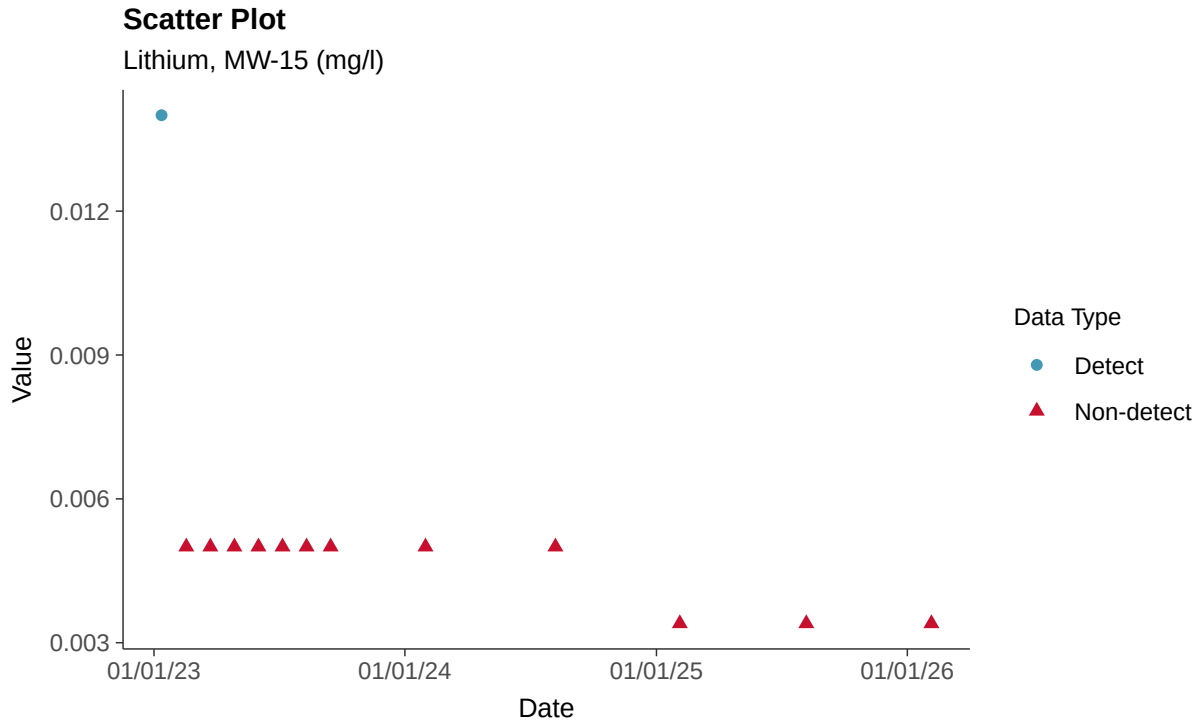
Lead, MW-15 (mg/l)

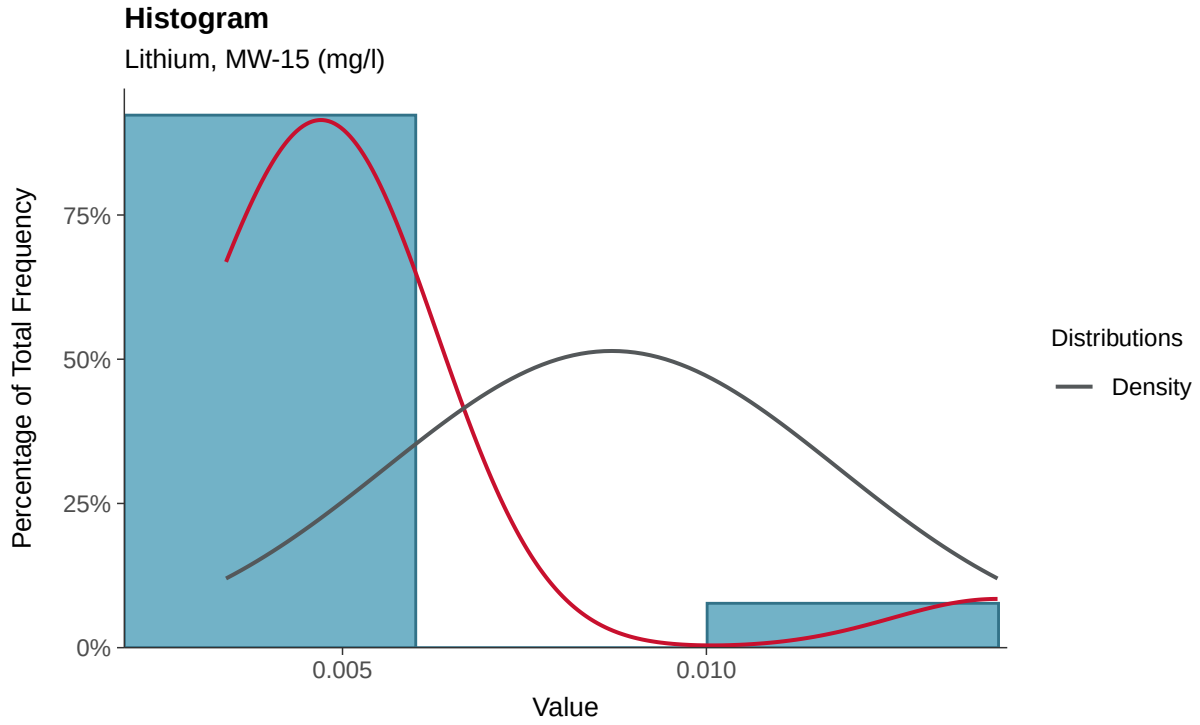



Trend Regression: Piecewise Linear-Linear
Lead, MW-15 (mg/l)
0.003
0.002
0.001
0.000
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Lithium, MW-15

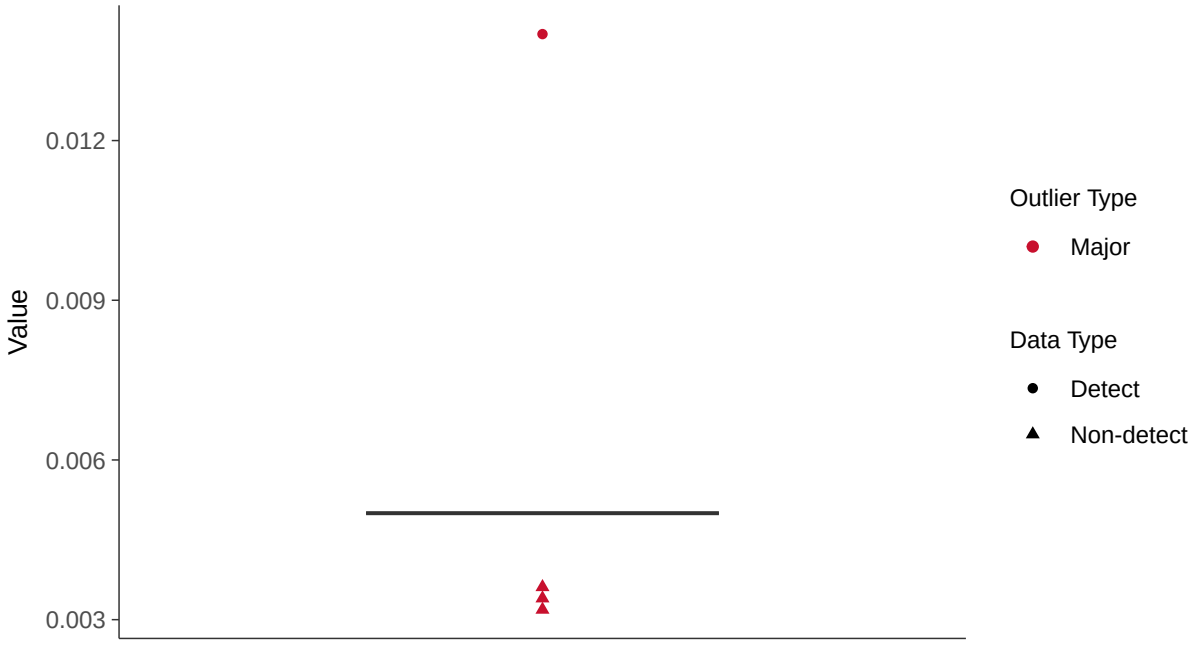
ID: 22_3_116





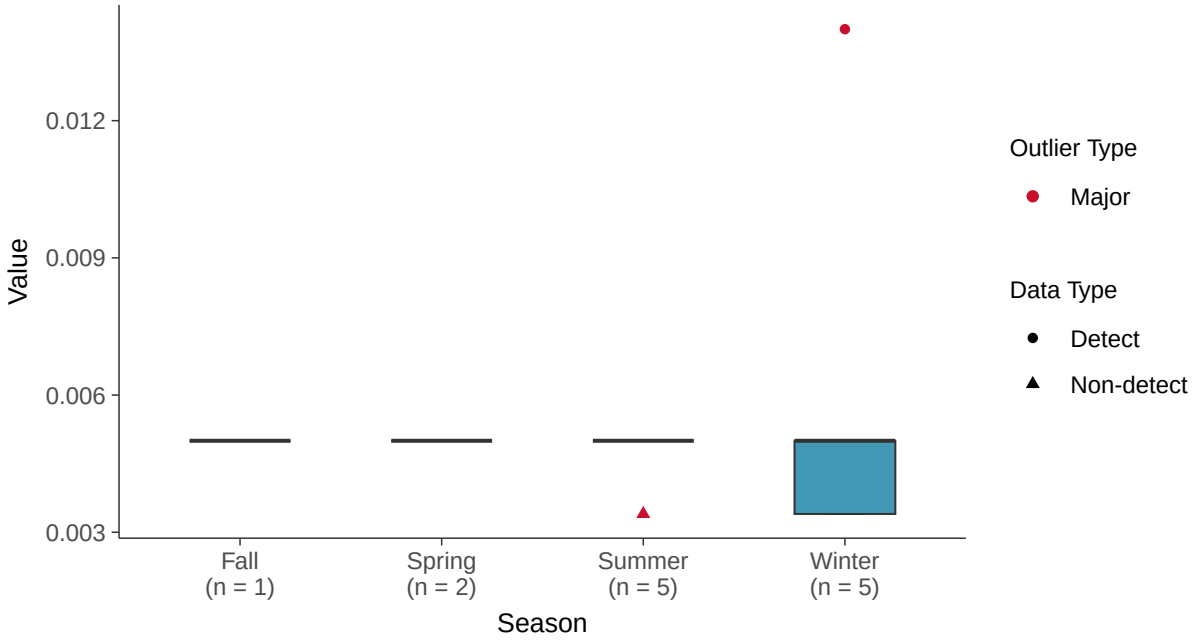
Boxplot

Lithium, MW-15 (mg/l)



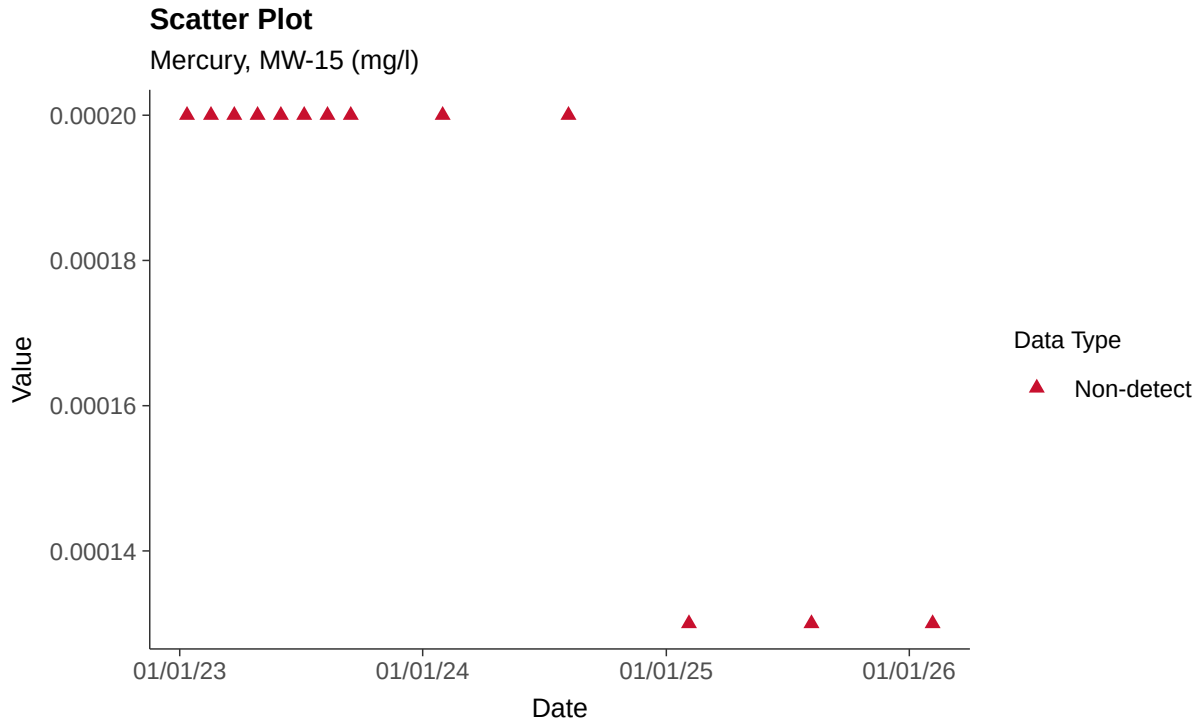
Boxplot by Season

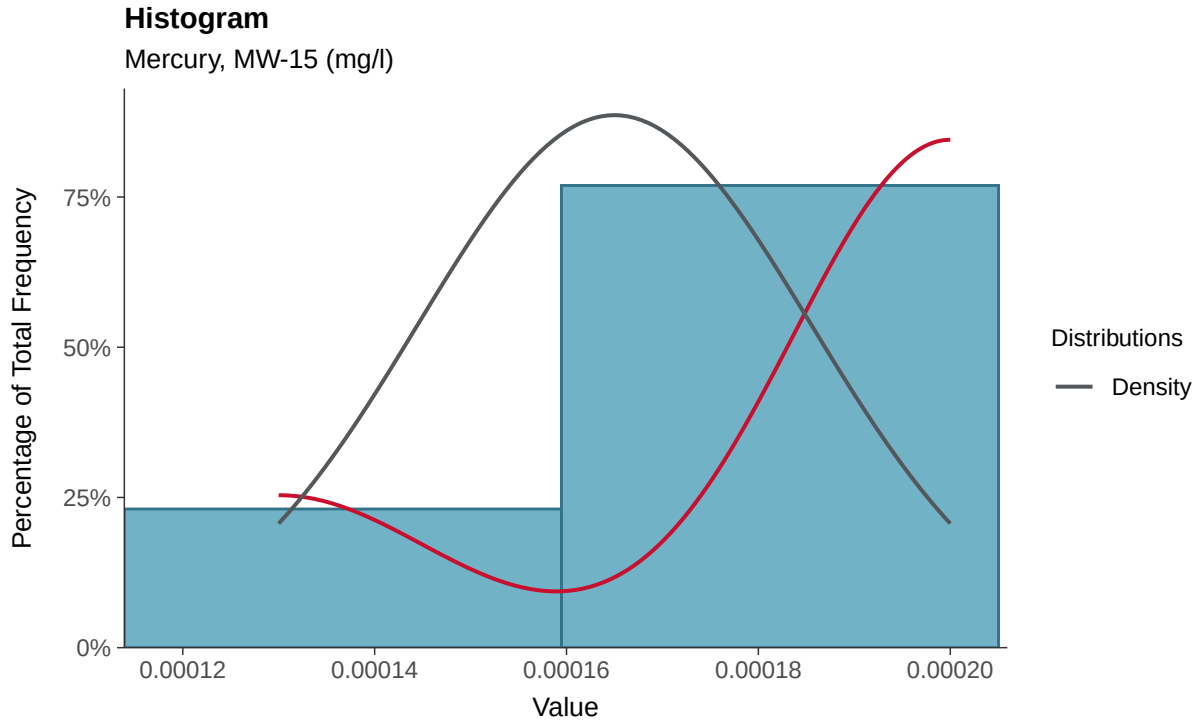
Lithium, MW-15 (mg/l)



Appendix IV: Mercury, MW-15

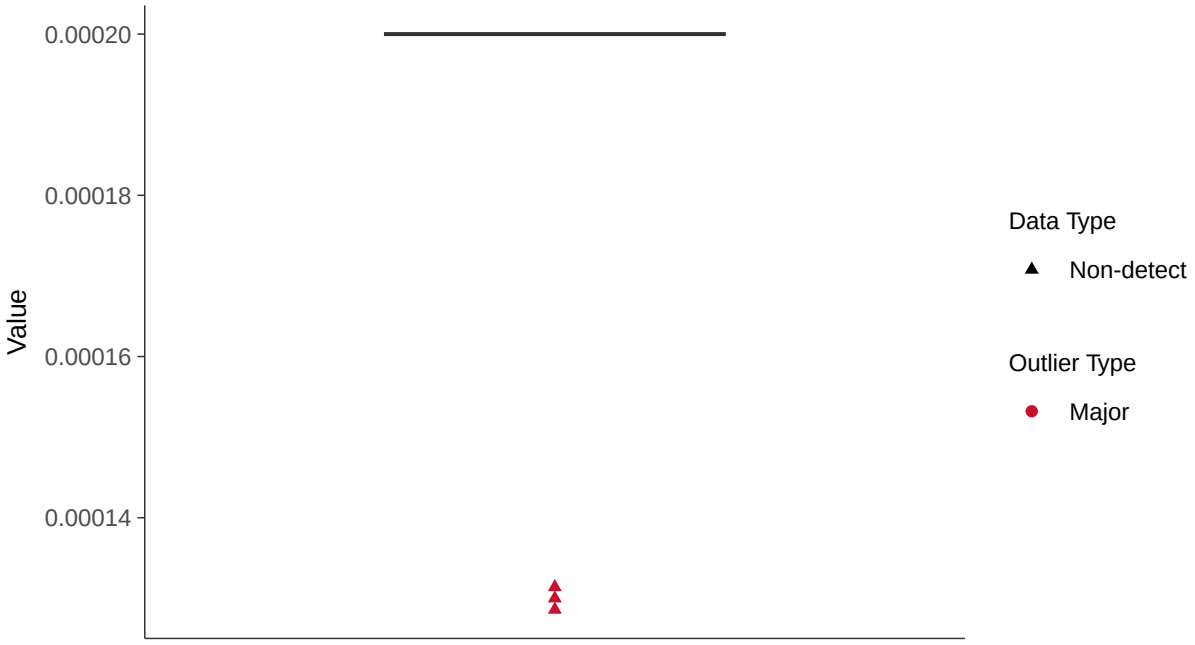
ID: 22_3_117





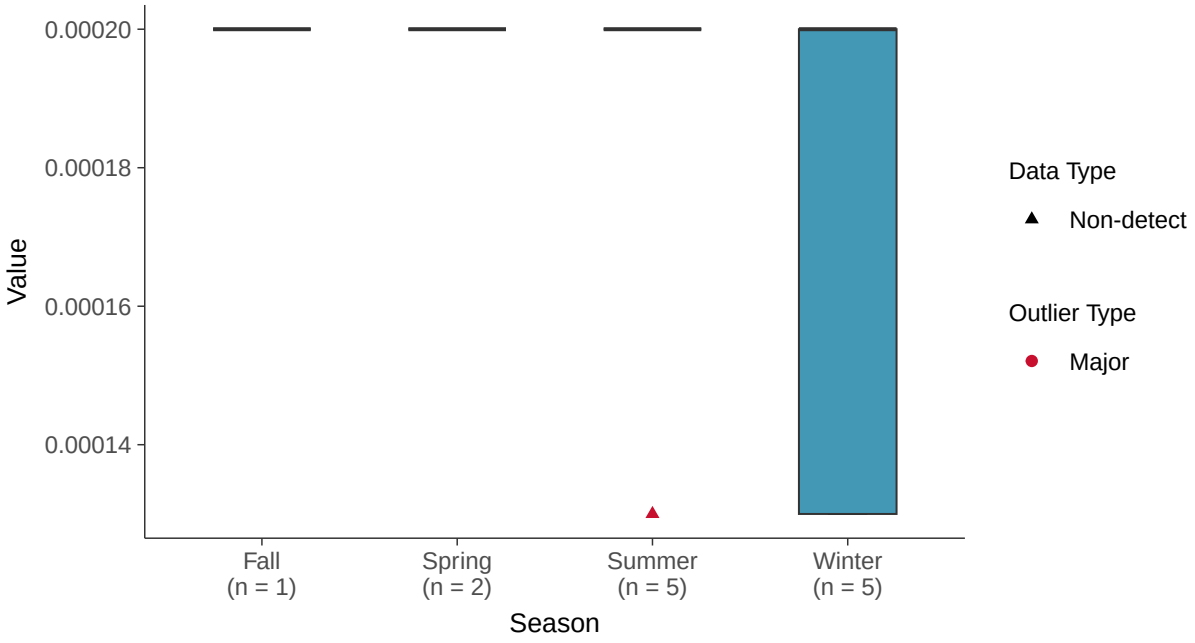
Boxplot

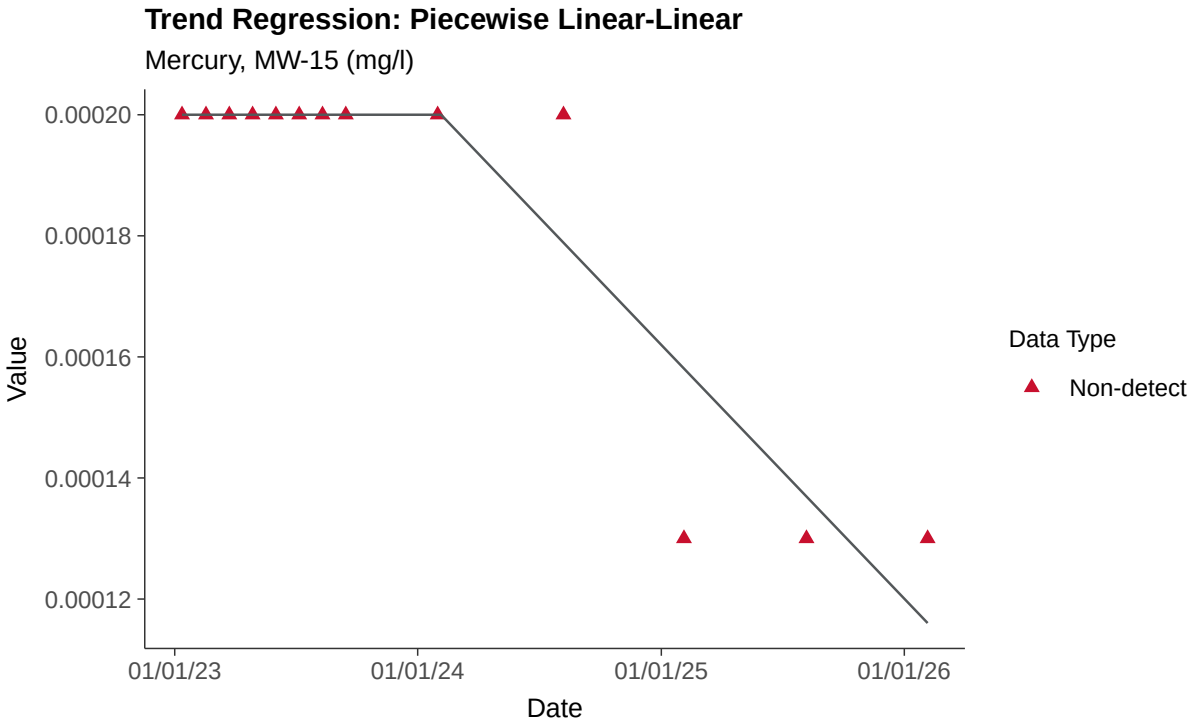
Mercury, MW-15 (mg/l)



Boxplot by Season

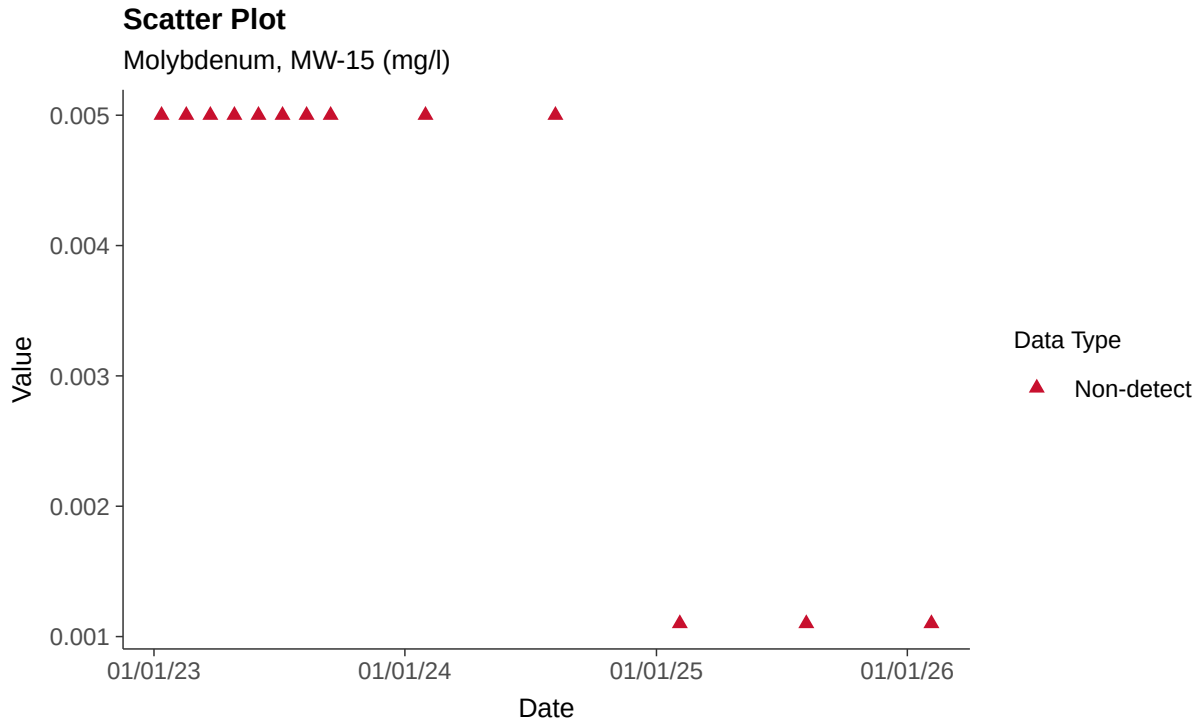
Mercury, MW-15 (mg/l)

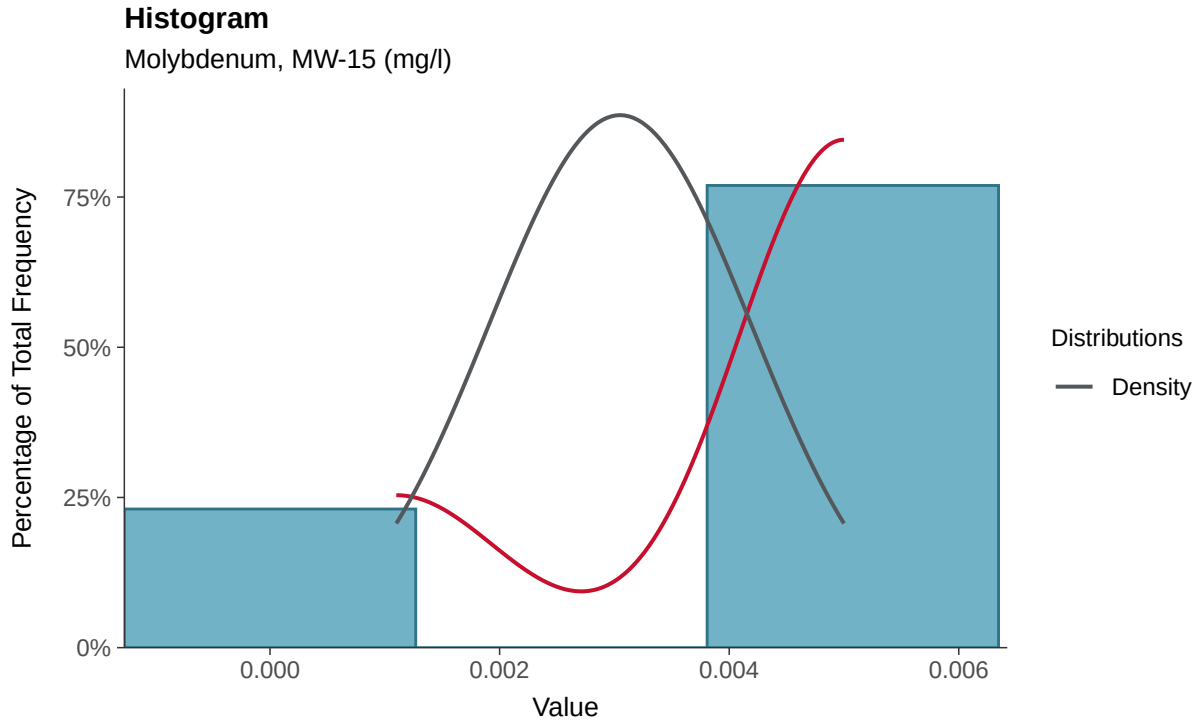



Trend Regression: Piecewise Linear-Linear
Mercury, MW-15 (mg/l)
0.00020
0.00018
0.00016
0.00014
0.00012
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Molybdenum, MW-15

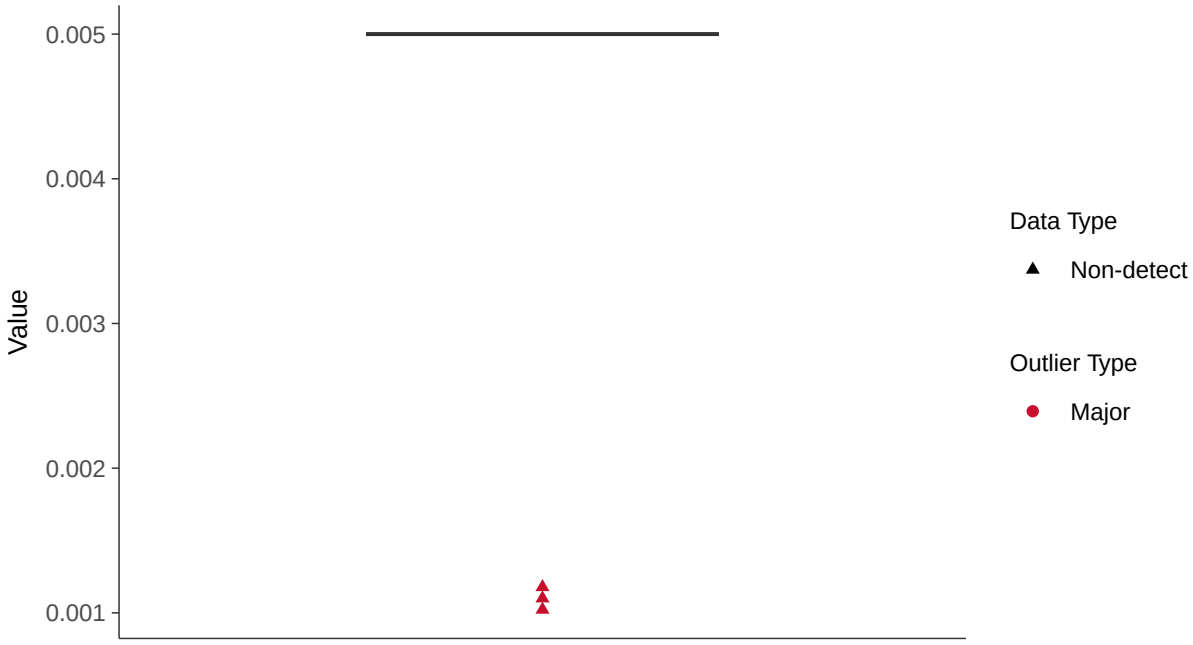
ID: 22_3_118





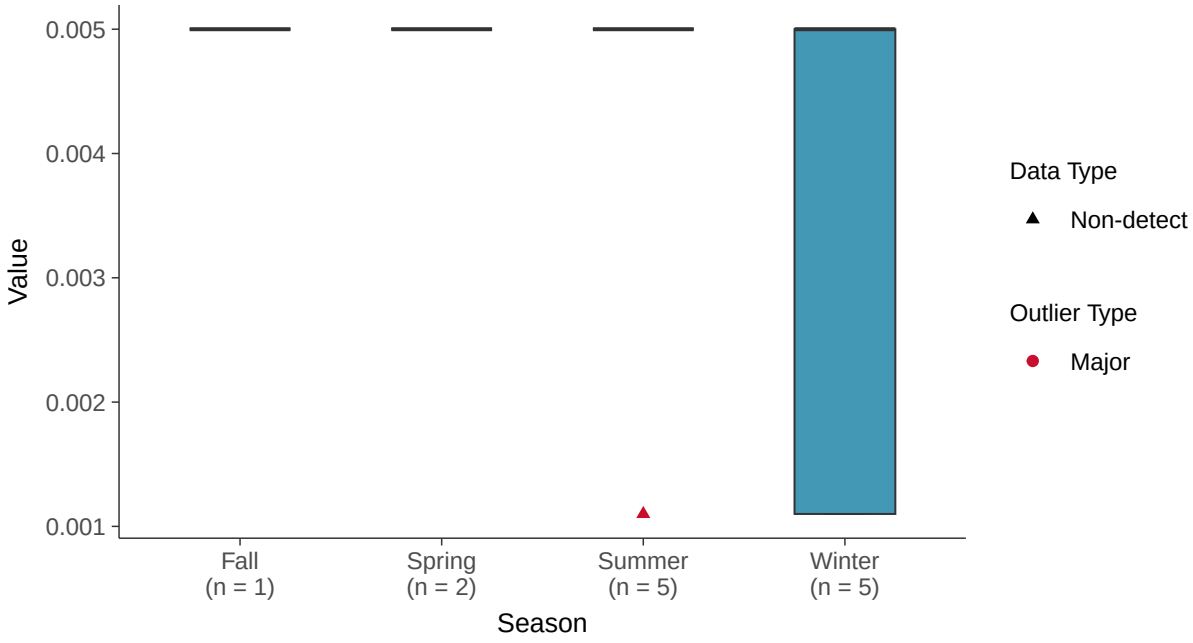
Boxplot

Molybdenum, MW-15 (mg/l)



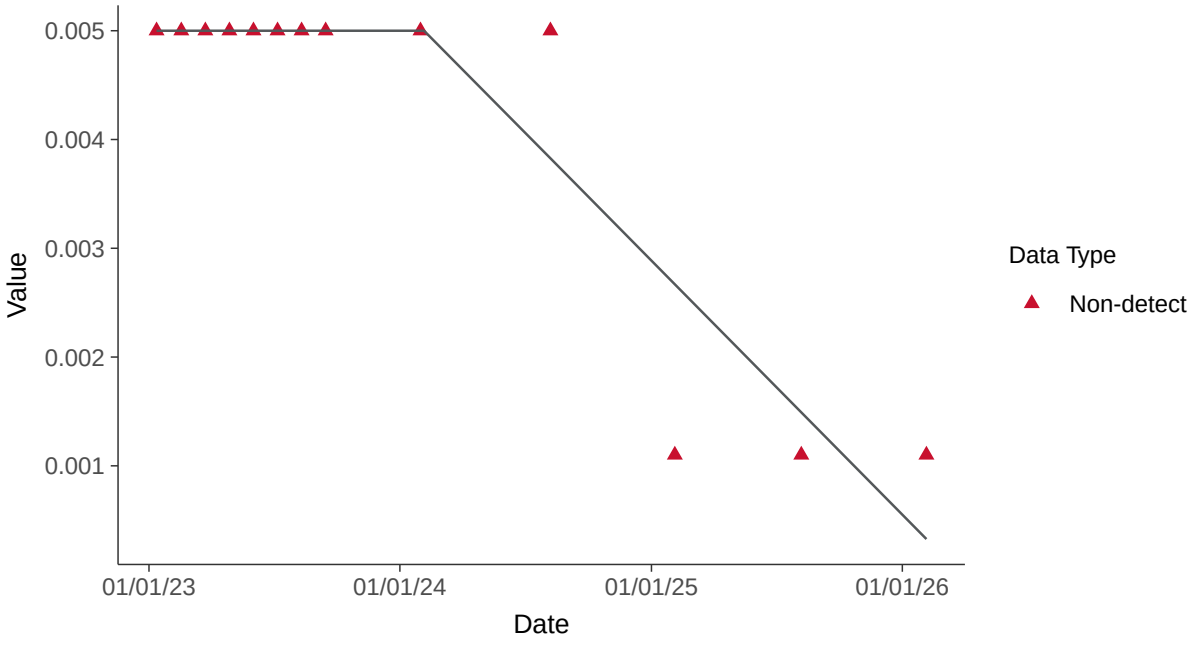
Boxplot by Season

Molybdenum, MW-15 (mg/l)



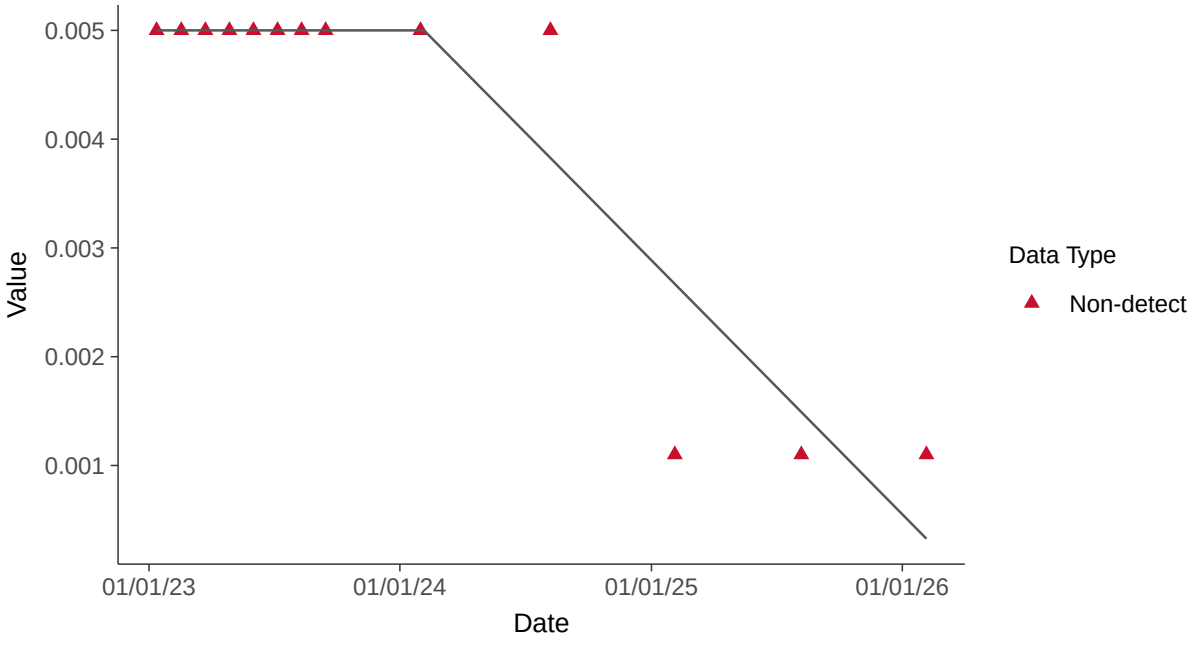
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-15 (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-15 (mg/l)

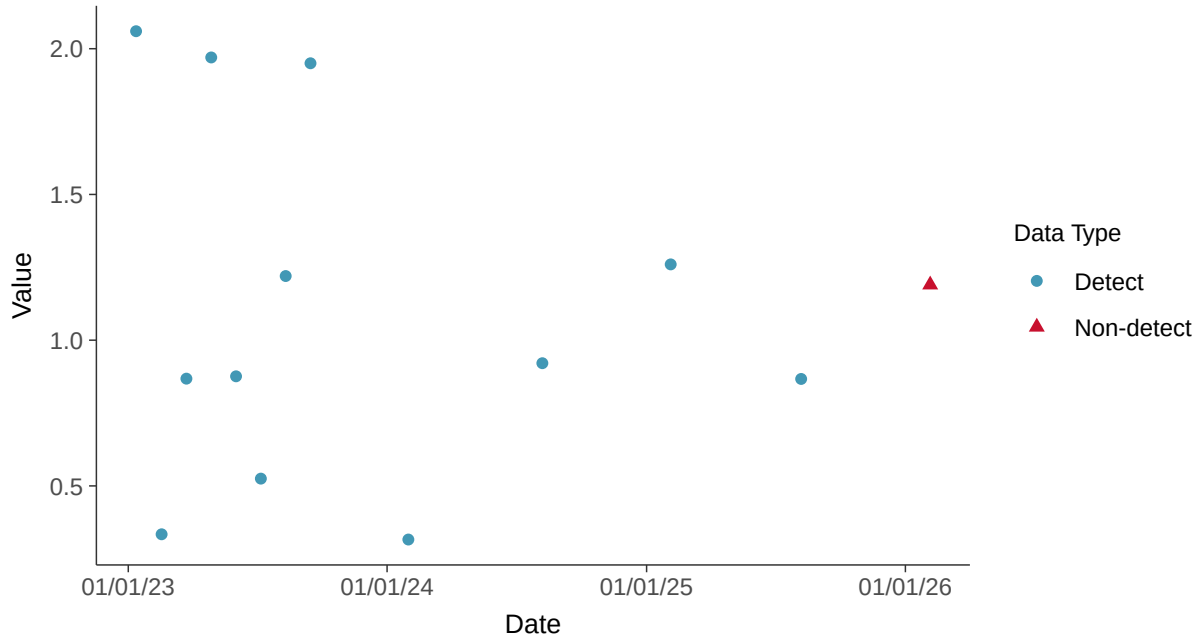


Appendix IV: Radium-226+228, MW-15

ID: 22_3_121

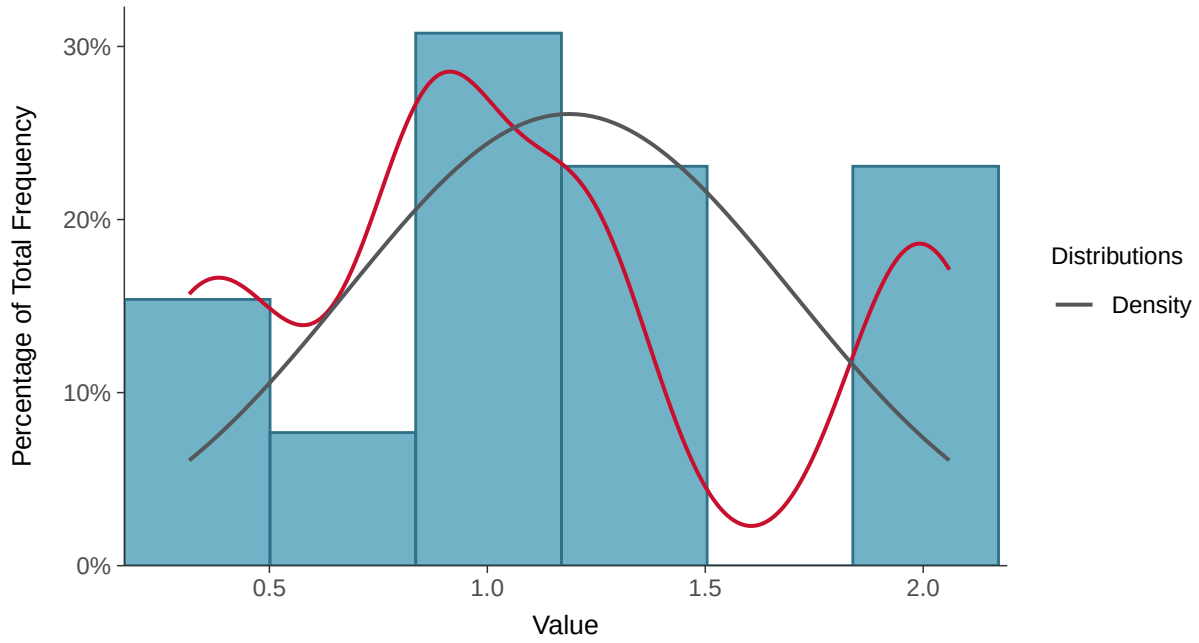
Scatter Plot

Radium-226+228, MW-15 (pci/l)



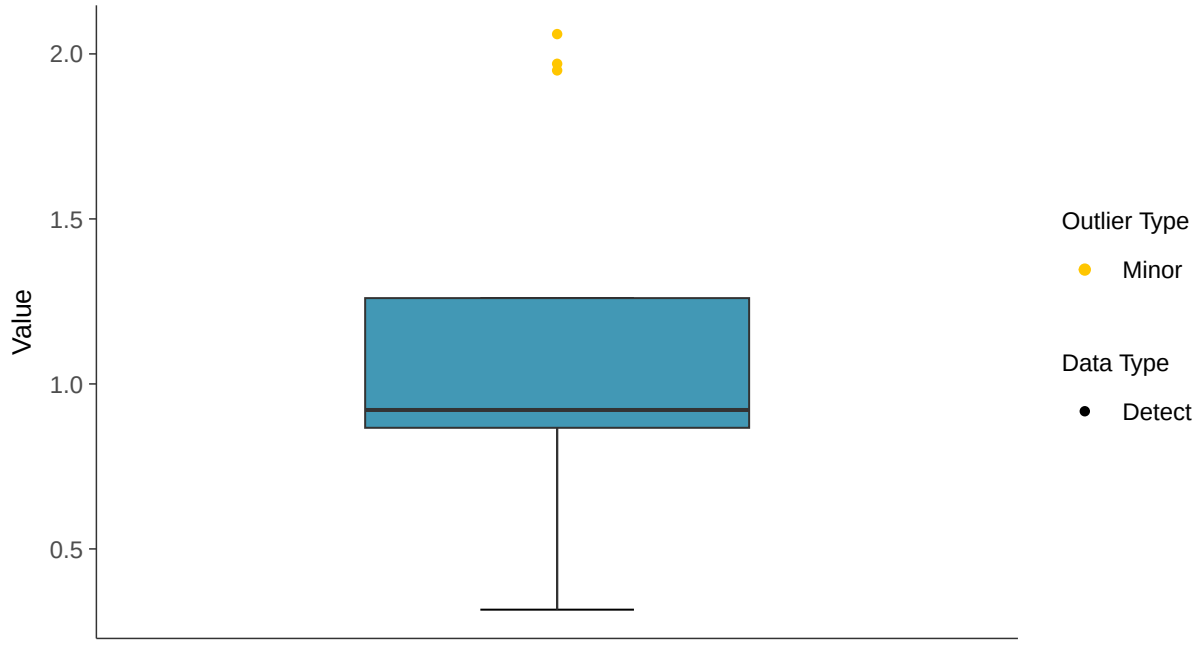
Histogram

Radium-226+228, MW-15 (pci/l)



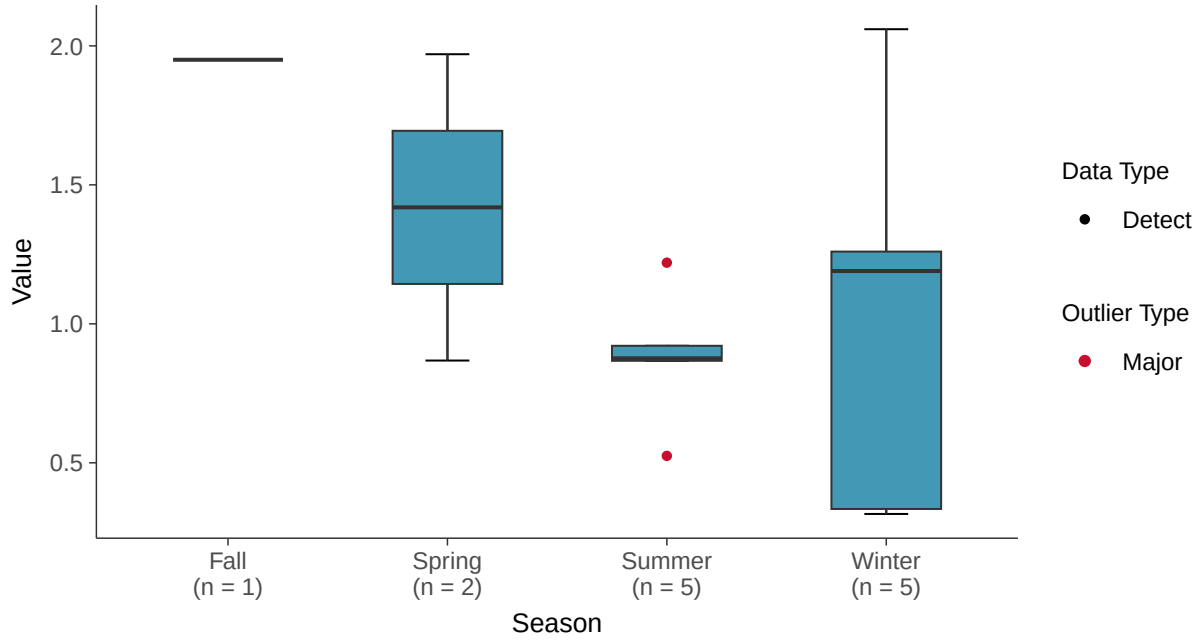
Boxplot

Radium-226+228, MW-15 (pci/l)



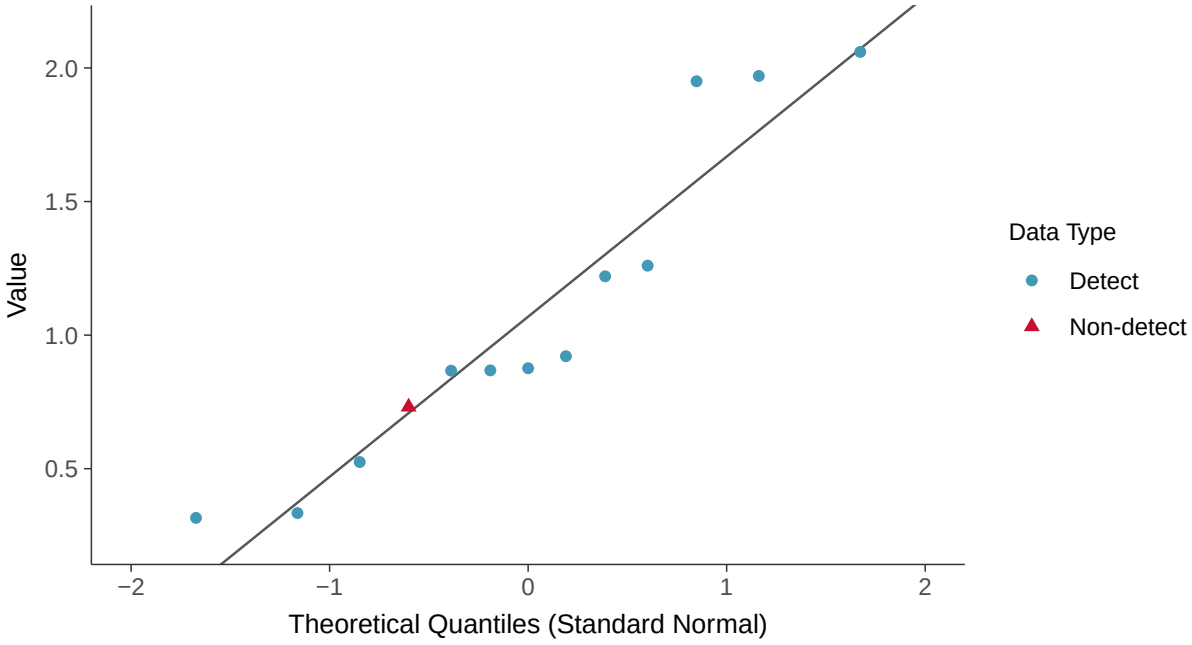
Boxplot by Season

Radium-226+228, MW-15 (pci/l)



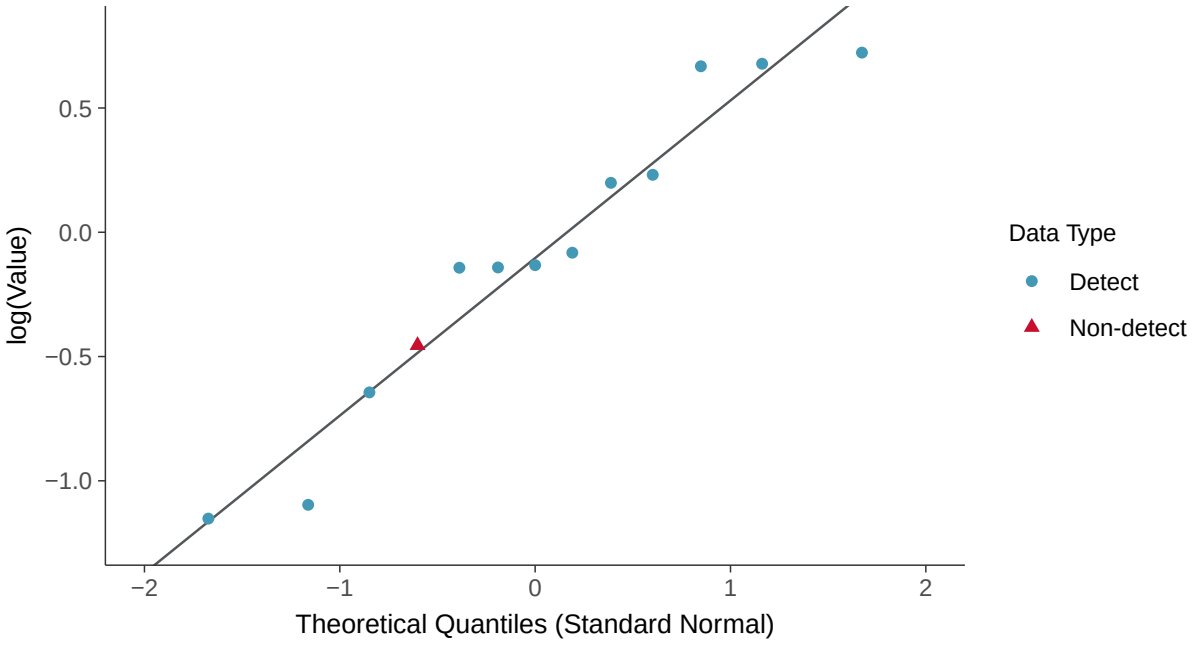
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-15 (pci/l)



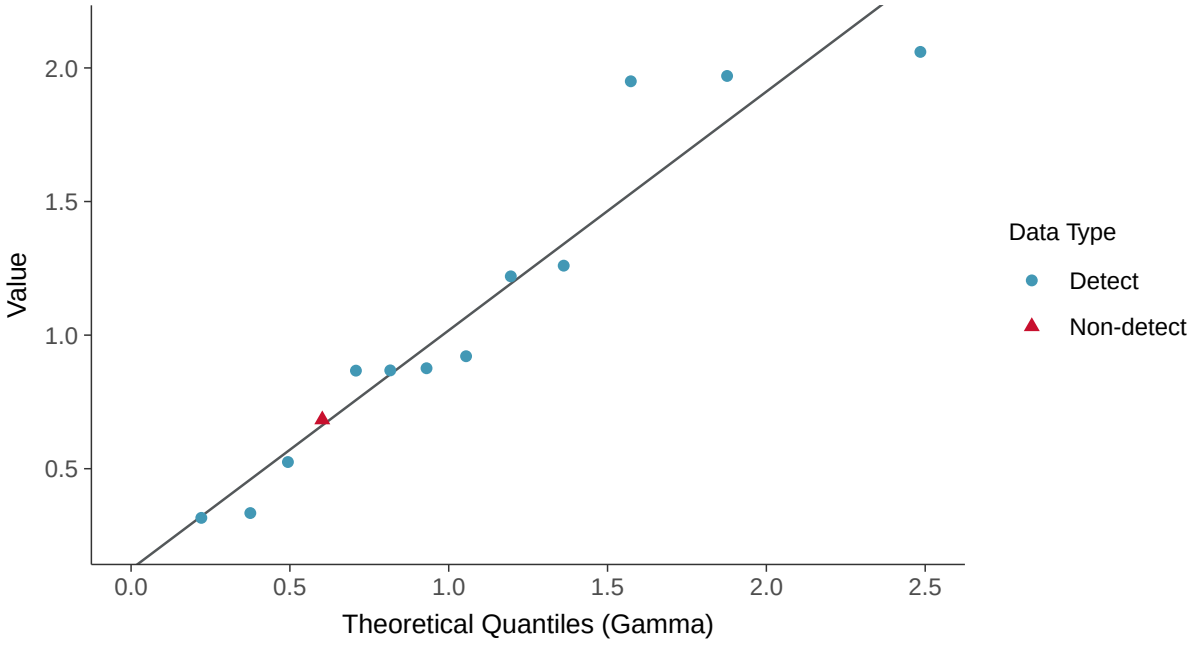
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-15 (pci/l)



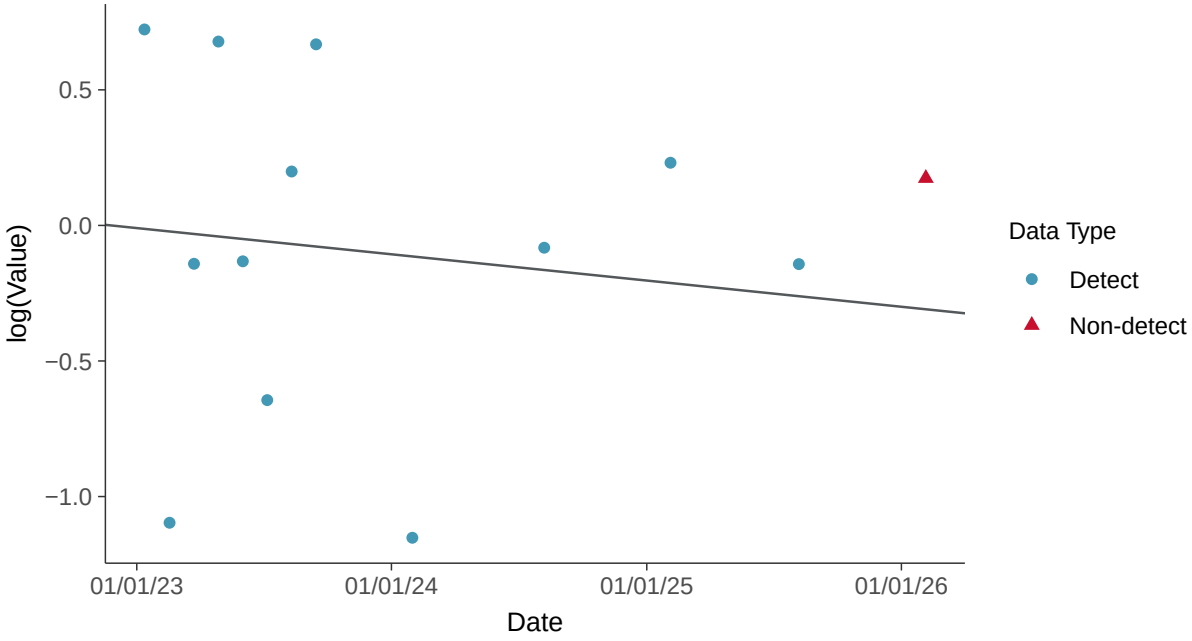
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-15 (pci/l)



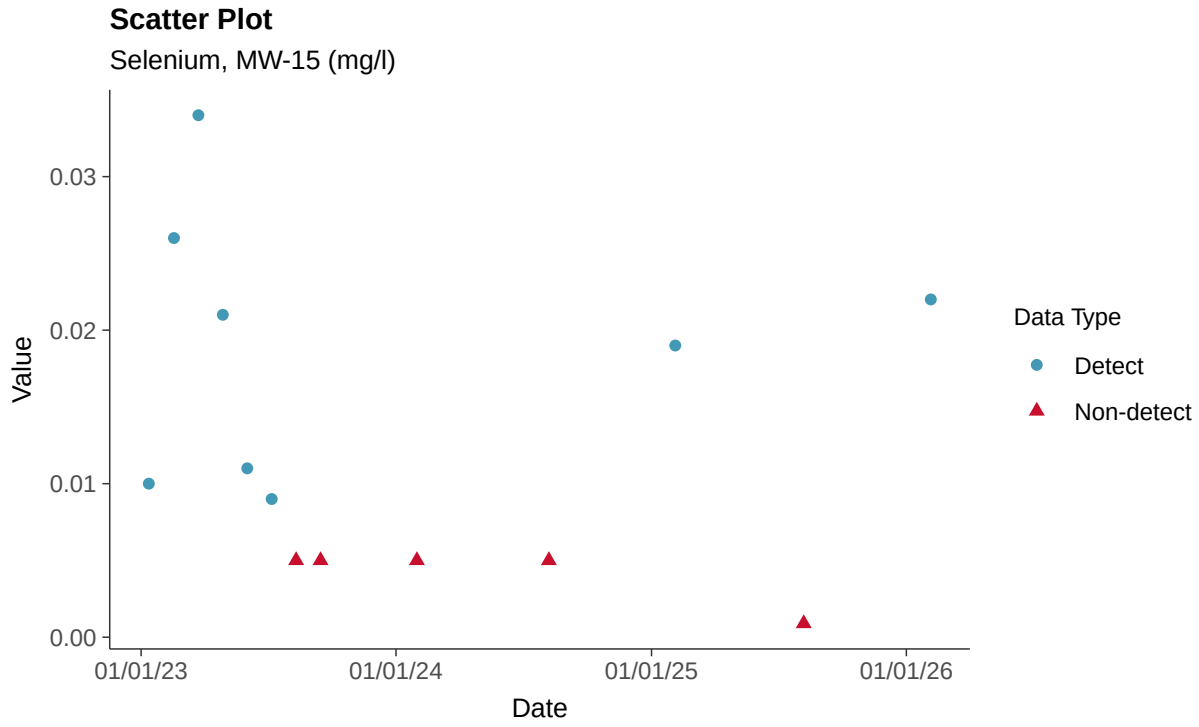
Trend Regression: Lognormal MLE

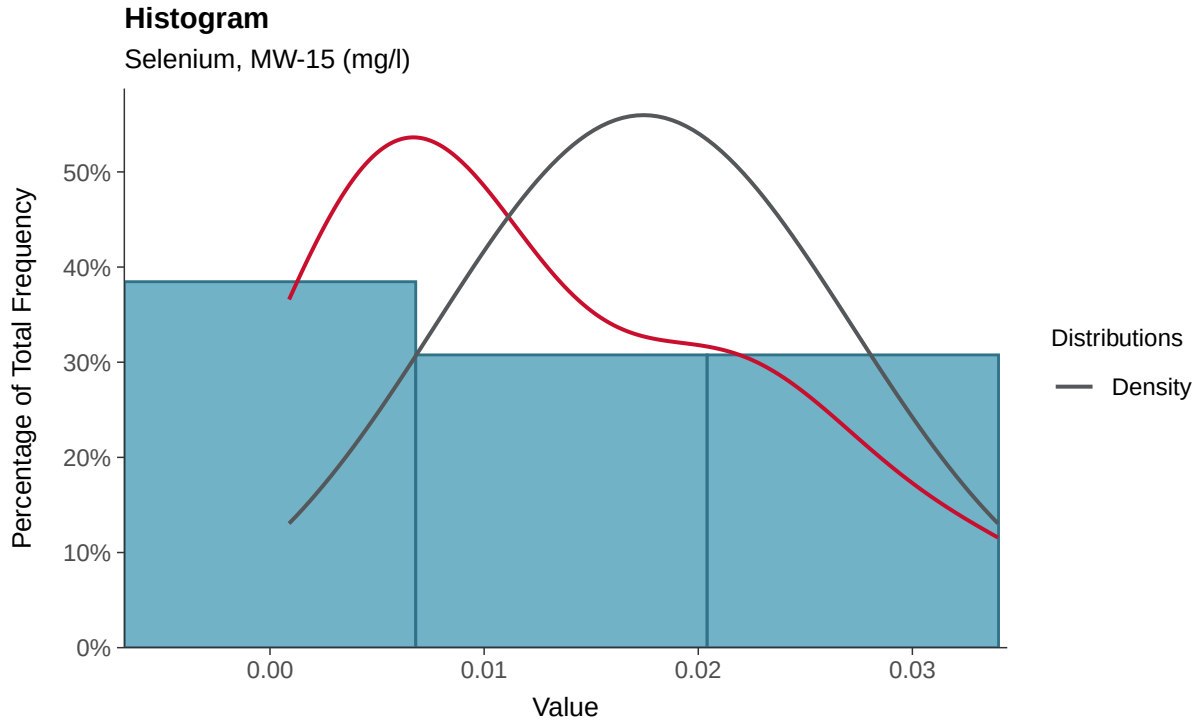
Radium-226+228, MW-15 (pci/l)



Appendix IV: Selenium, MW-15

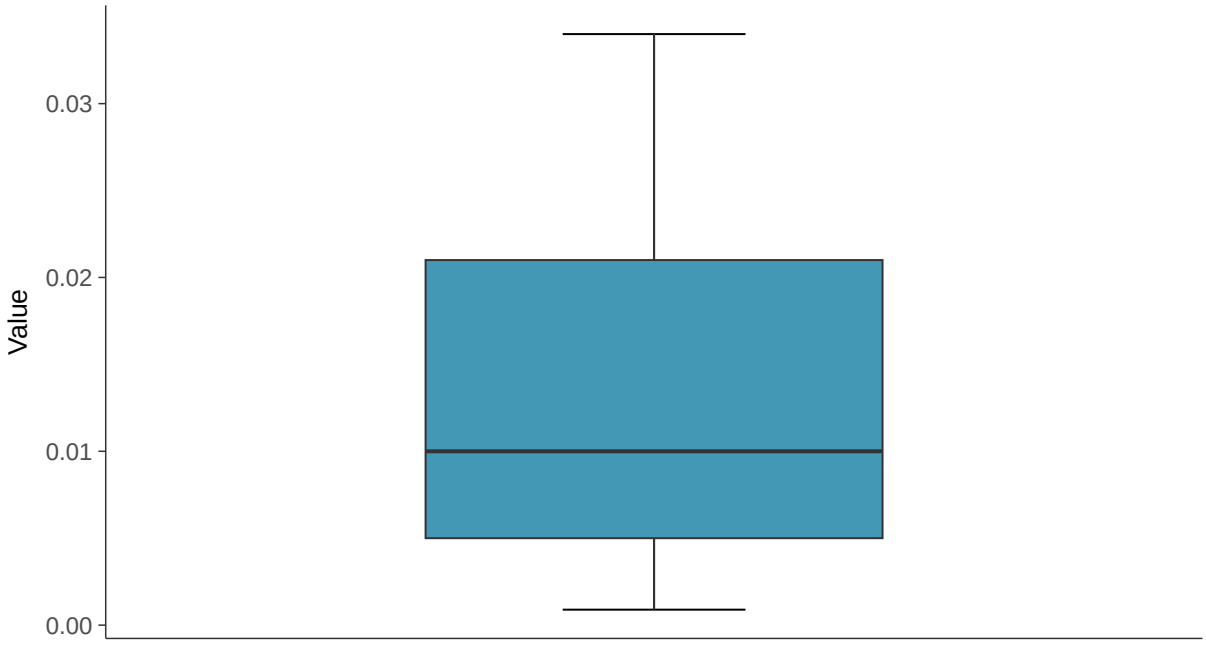
ID: 22_3_122





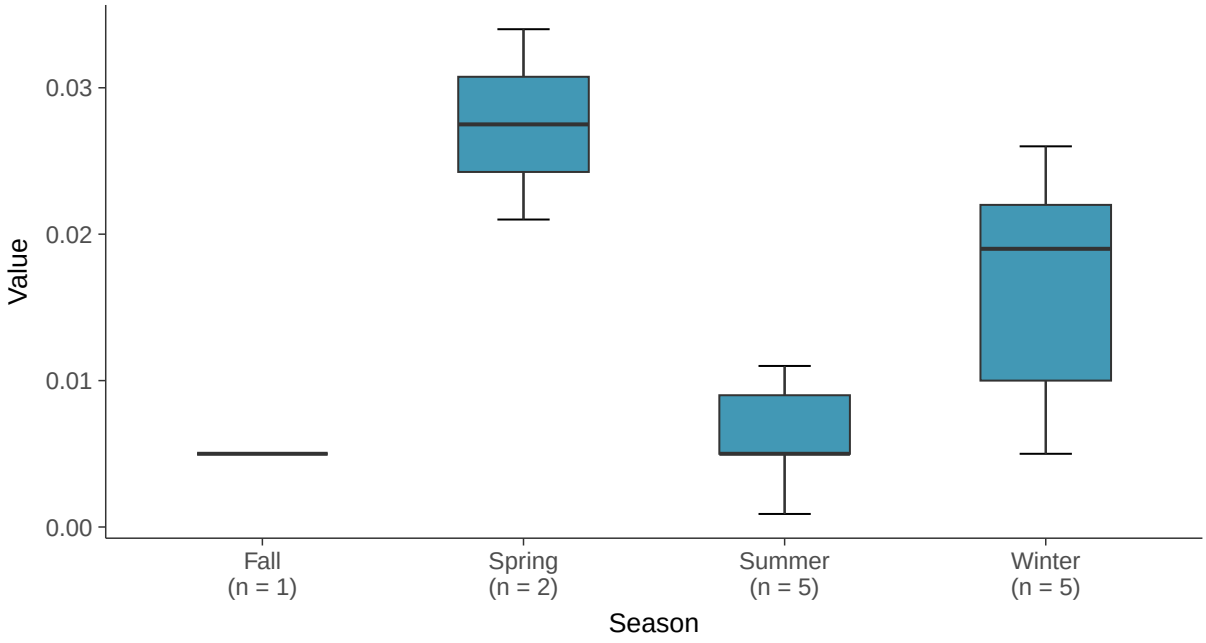
Boxplot

Selenium, MW-15 (mg/l)



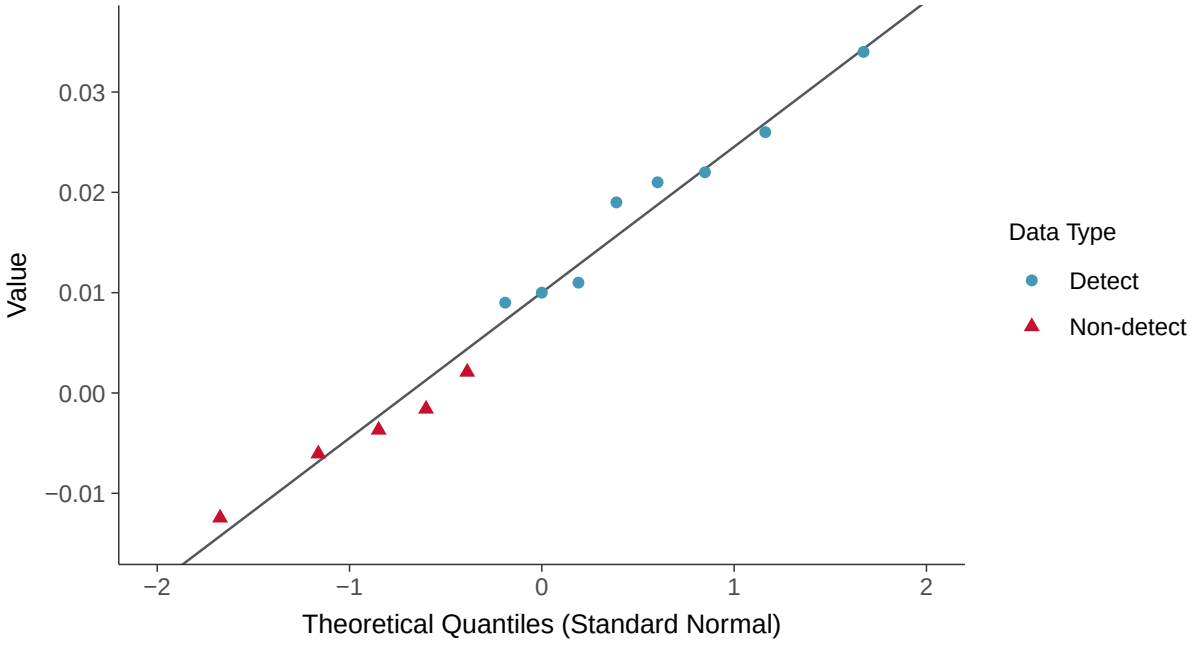
Boxplot by Season

Selenium, MW-15 (mg/l)



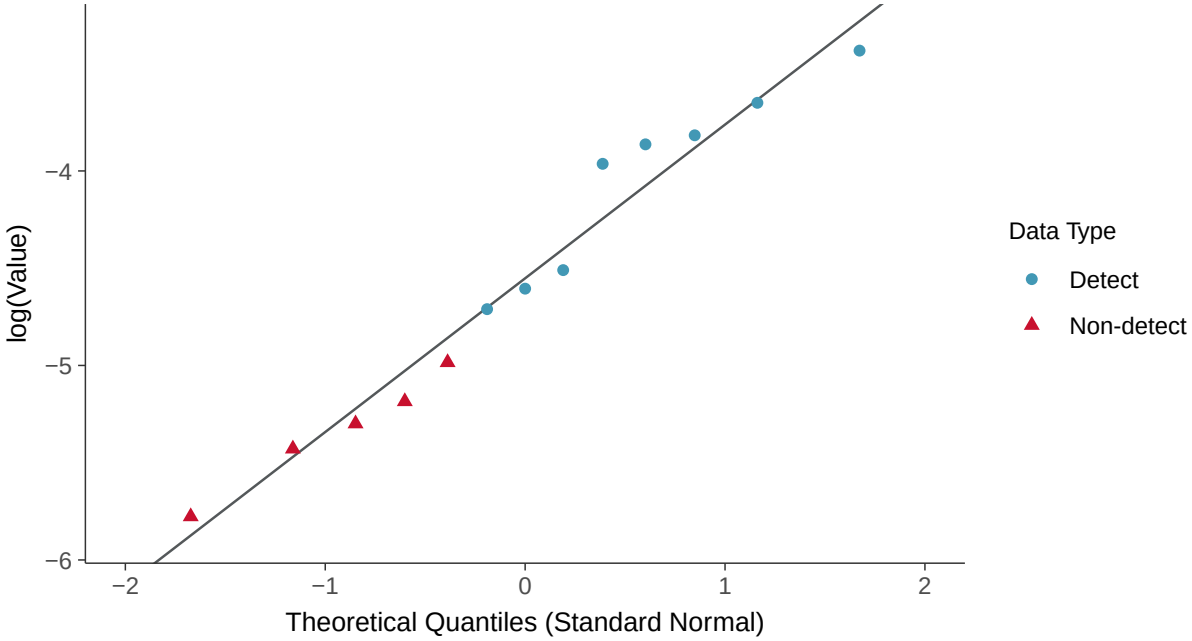
Normal Q-Q plot using ROS Imputed Estimates

Selenium, MW-15 (mg/l)



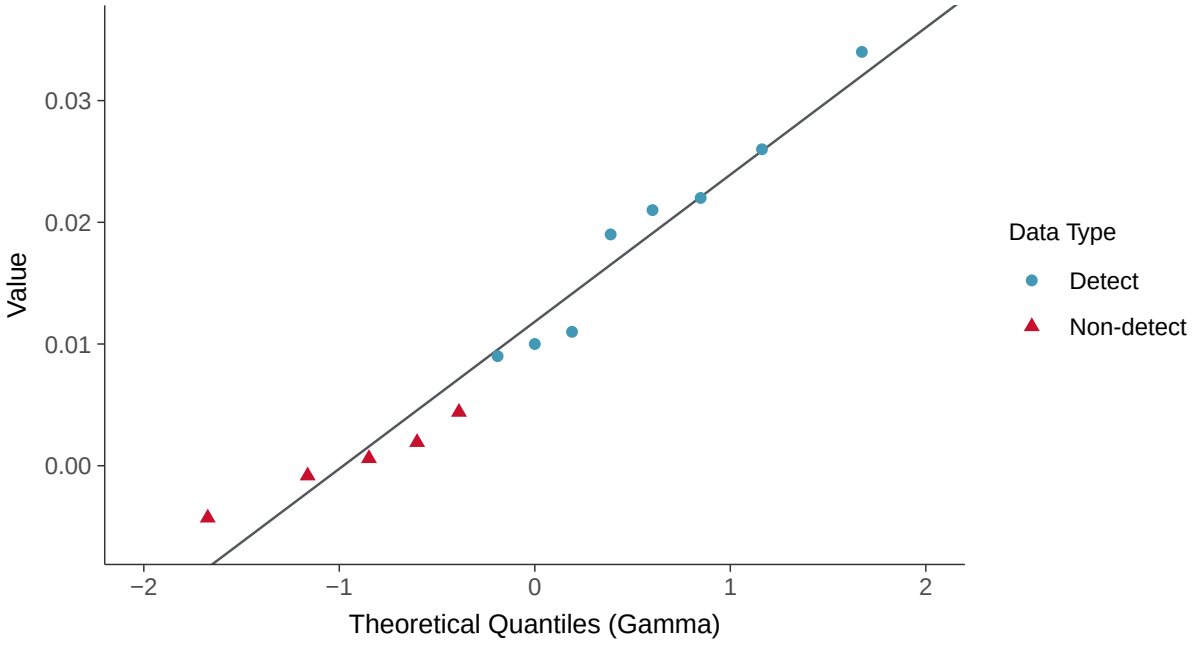
Lognormal Q-Q plot using ROS Imputed Estimates

Selenium, MW-15 (mg/l)



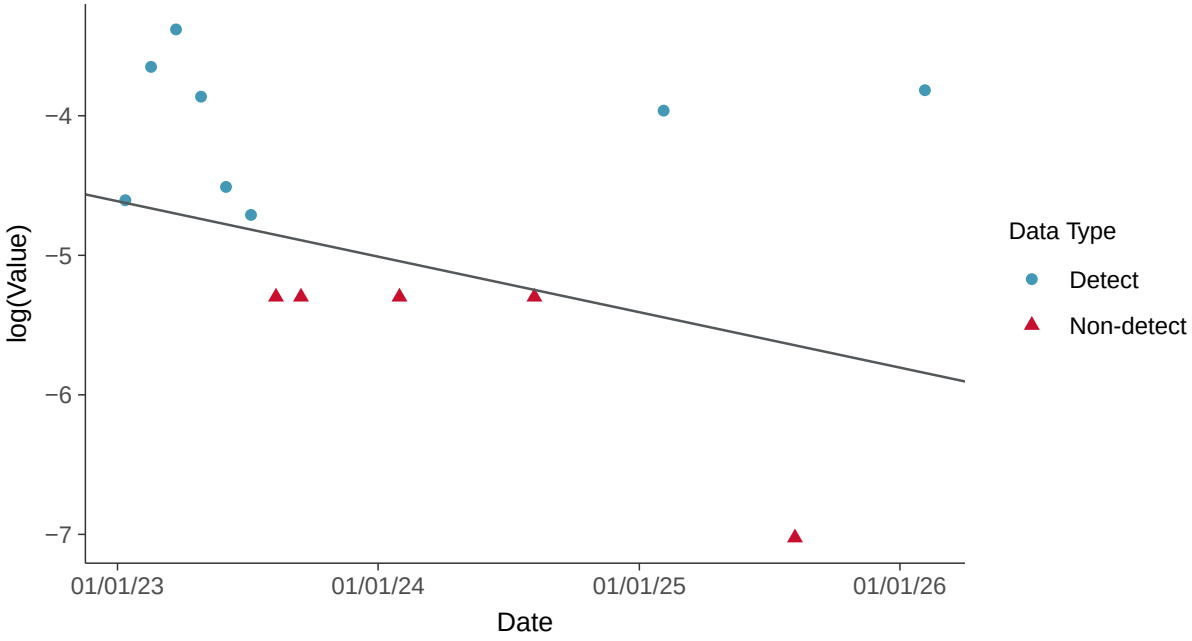
Gamma Q-Q plot using ROS Imputed Estimates

Selenium, MW-15 (mg/l)



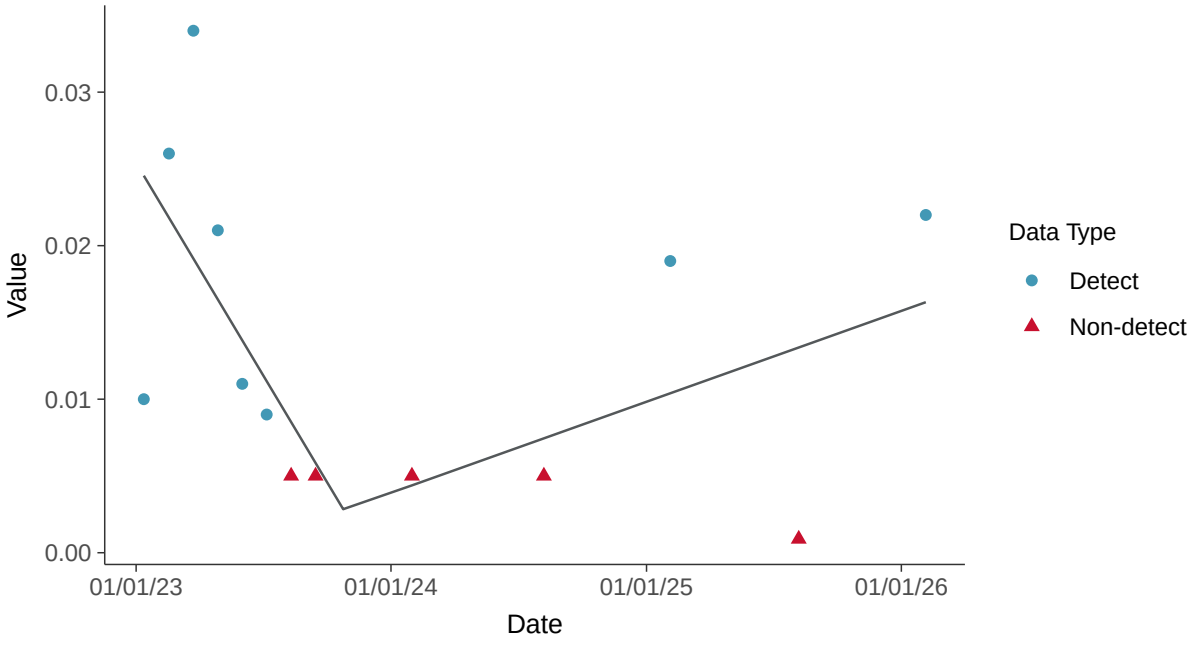
Trend Regression: Lognormal MLE

Selenium, MW-15 (mg/l)



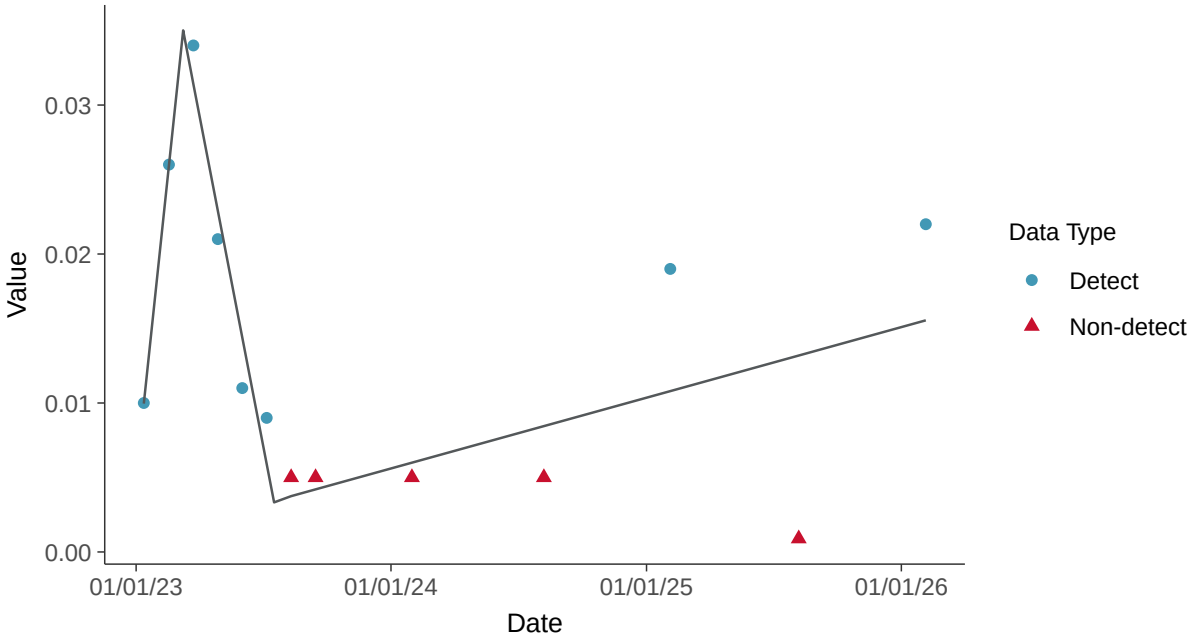
Trend Regression: Piecewise Linear-Linear

Selenium, MW-15 (mg/l)



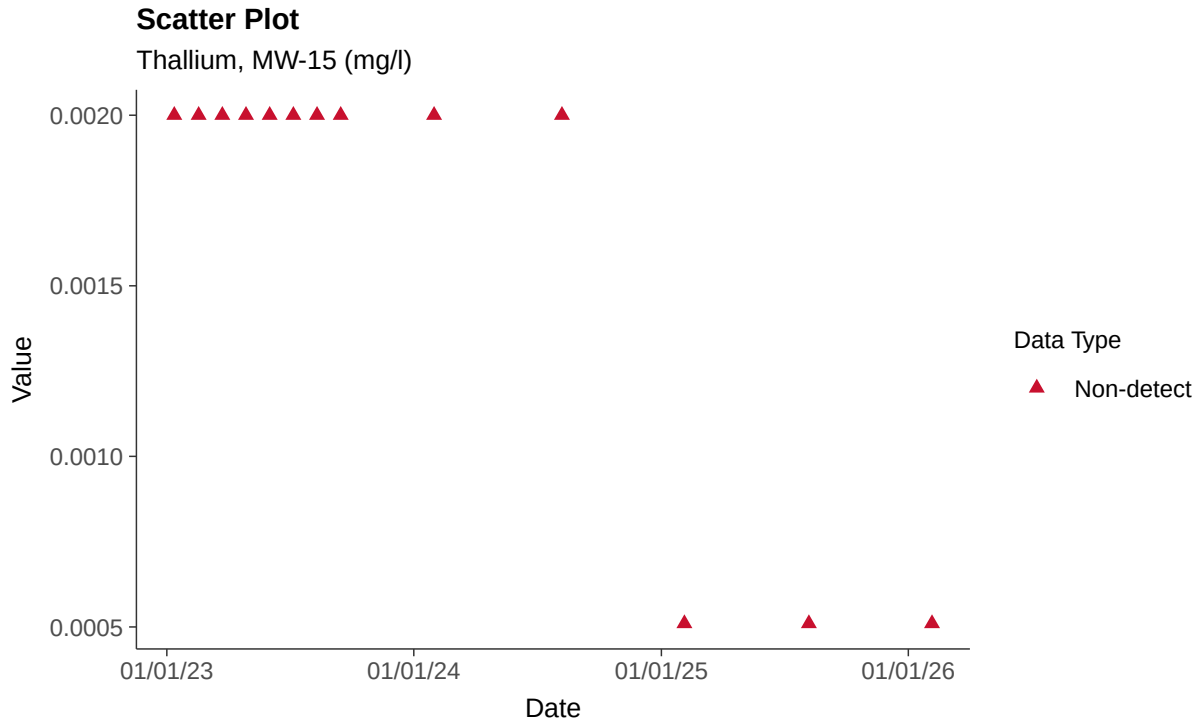
Trend Regression: Piecewise Linear-Linear-Linear

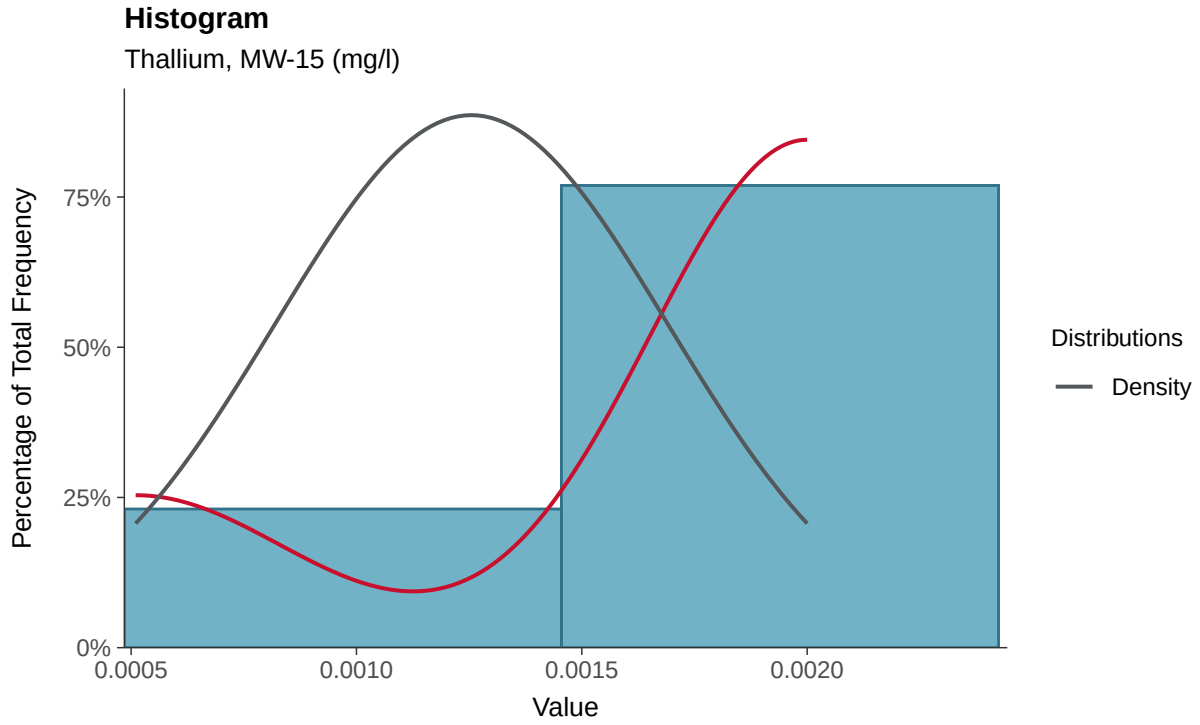
Selenium, MW-15 (mg/l)



Appendix IV: Thallium, MW-15

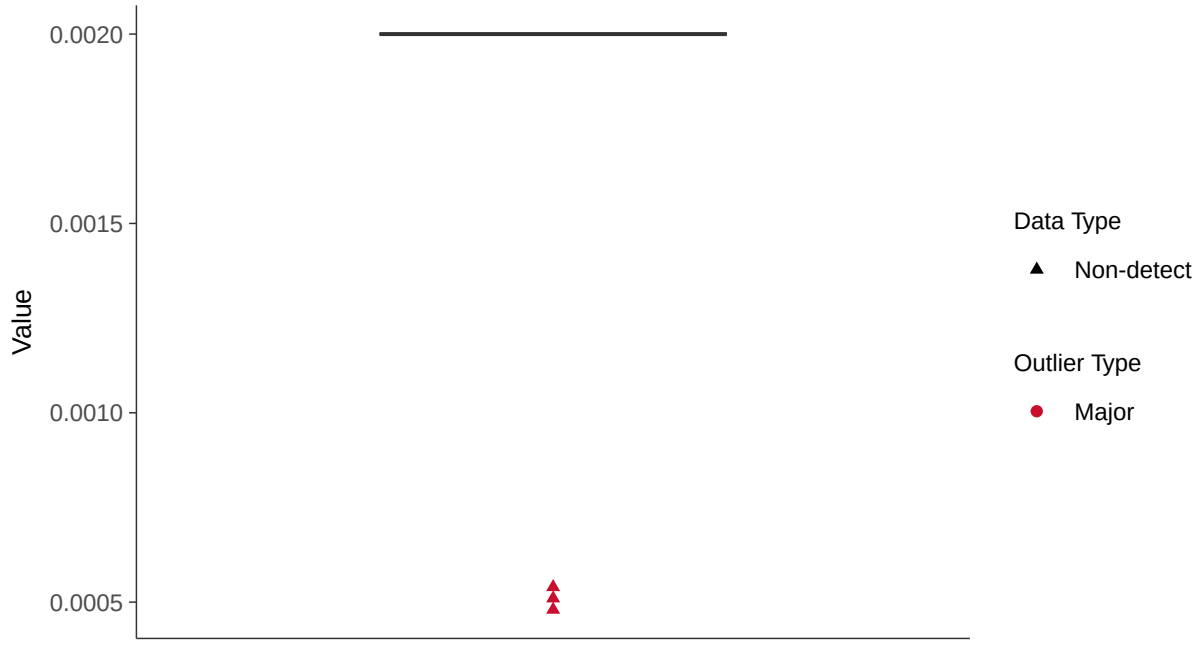
ID: 22_3_125





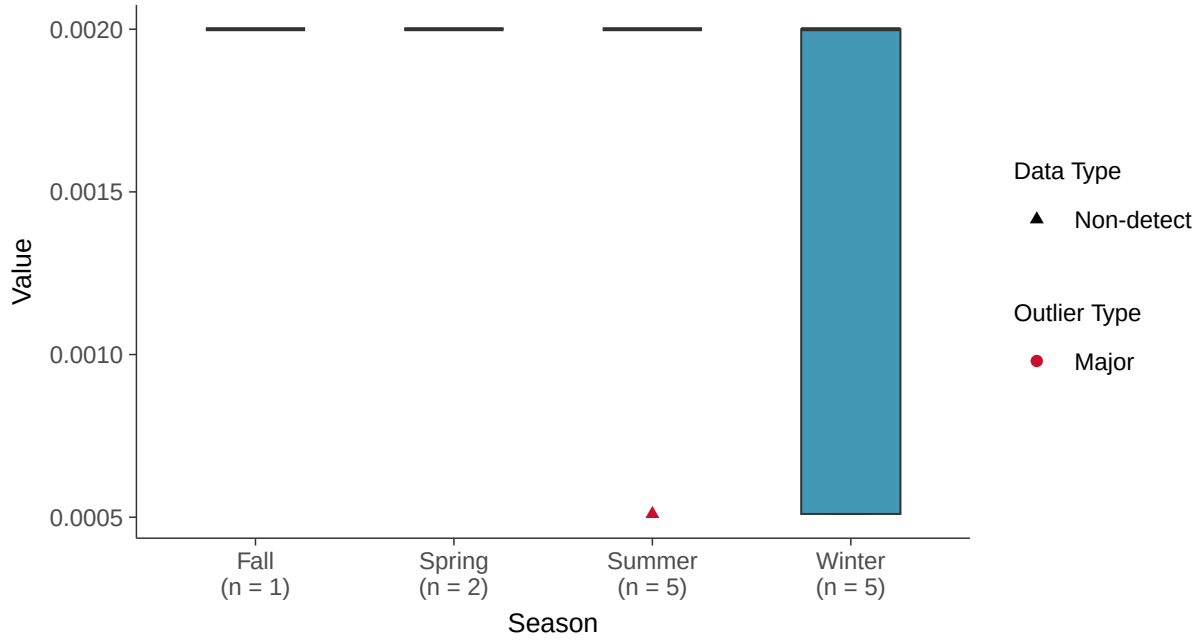
Boxplot

Thallium, MW-15 (mg/l)



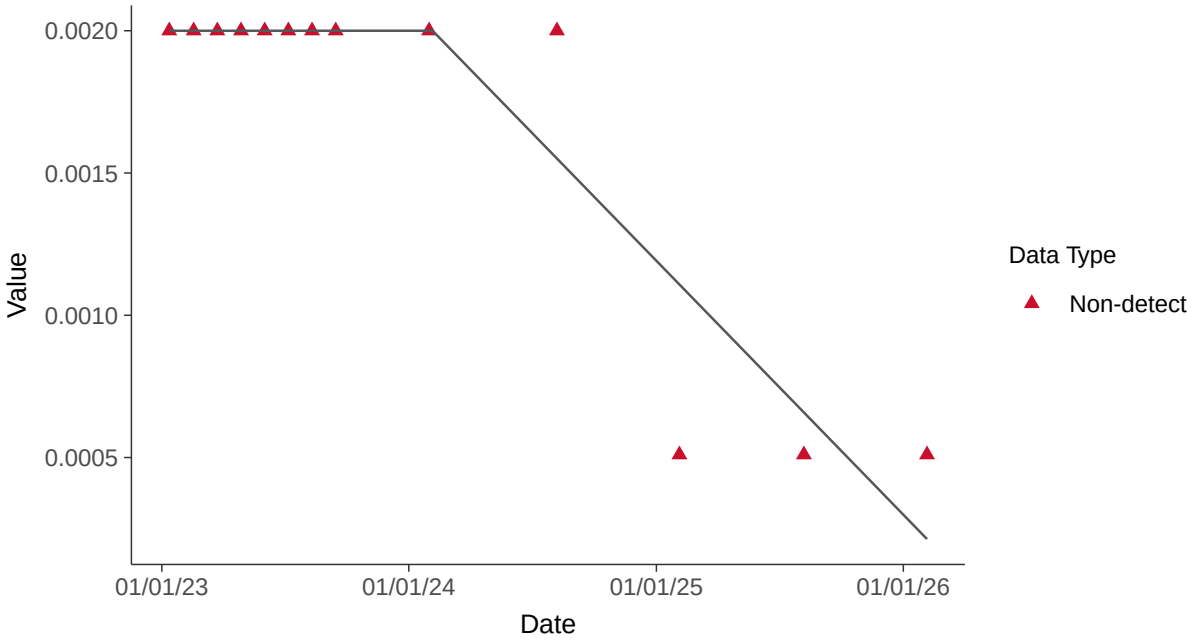
Boxplot by Season

Thallium, MW-15 (mg/l)



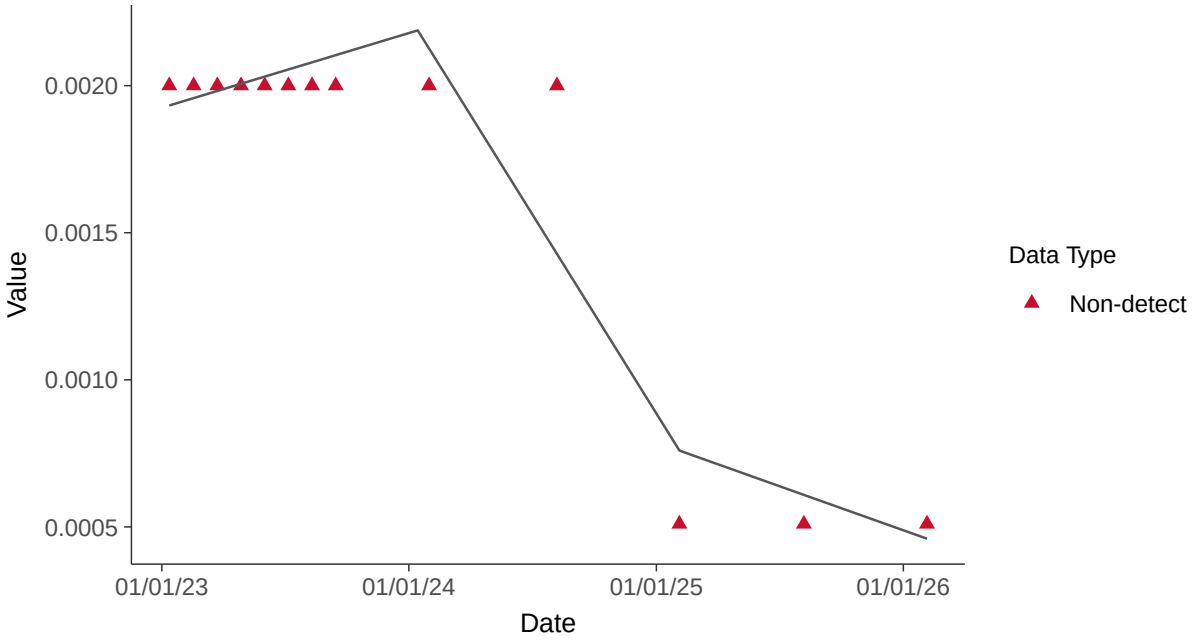
Trend Regression: Piecewise Linear-Linear

Thallium, MW-15 (mg/l)



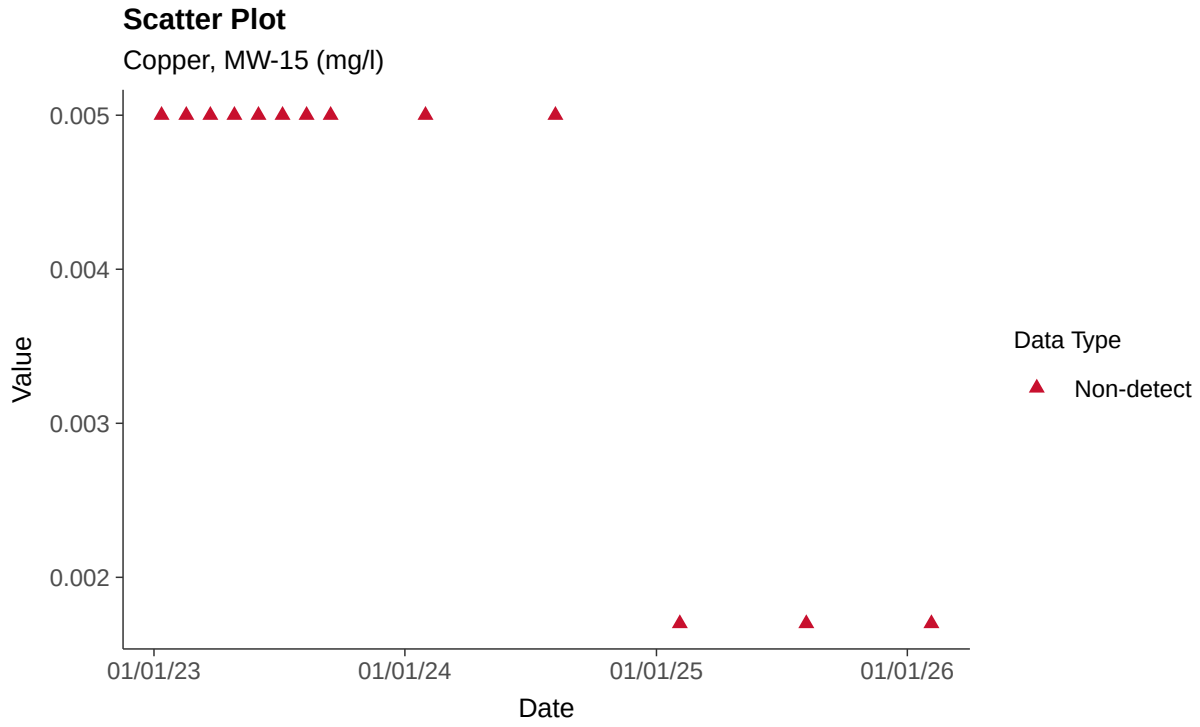
Trend Regression: Piecewise Linear-Linear-Linear

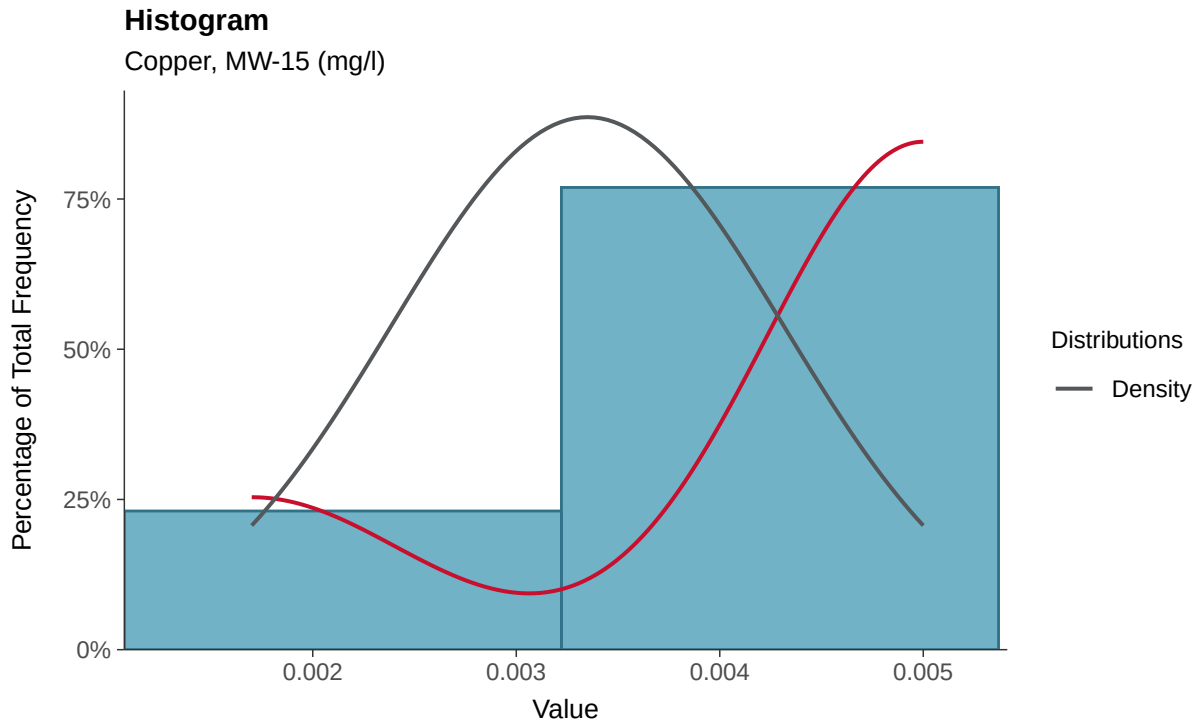
Thallium, MW-15 (mg/l)



Part 115: Copper, MW-15

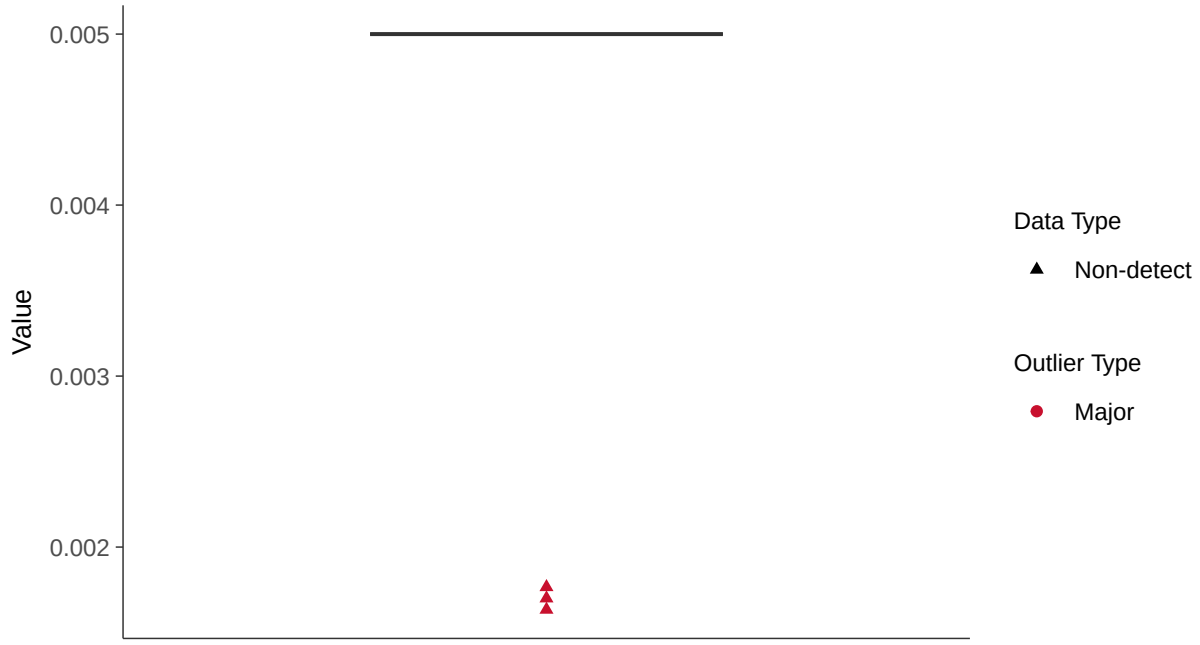
ID: 22_5_111





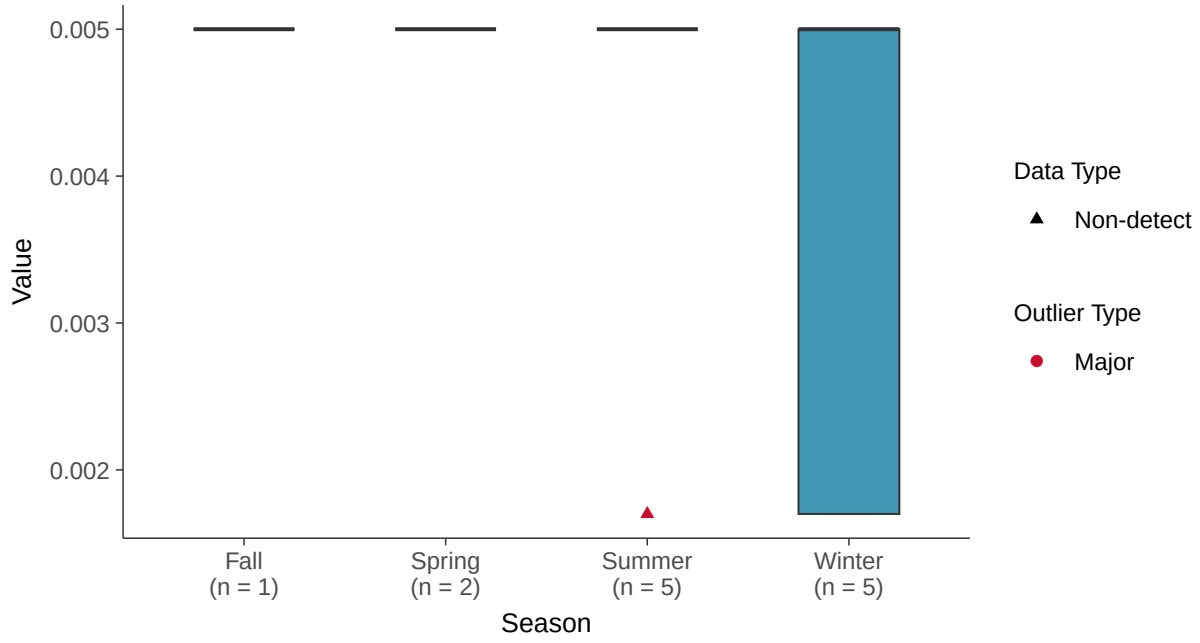
Boxplot

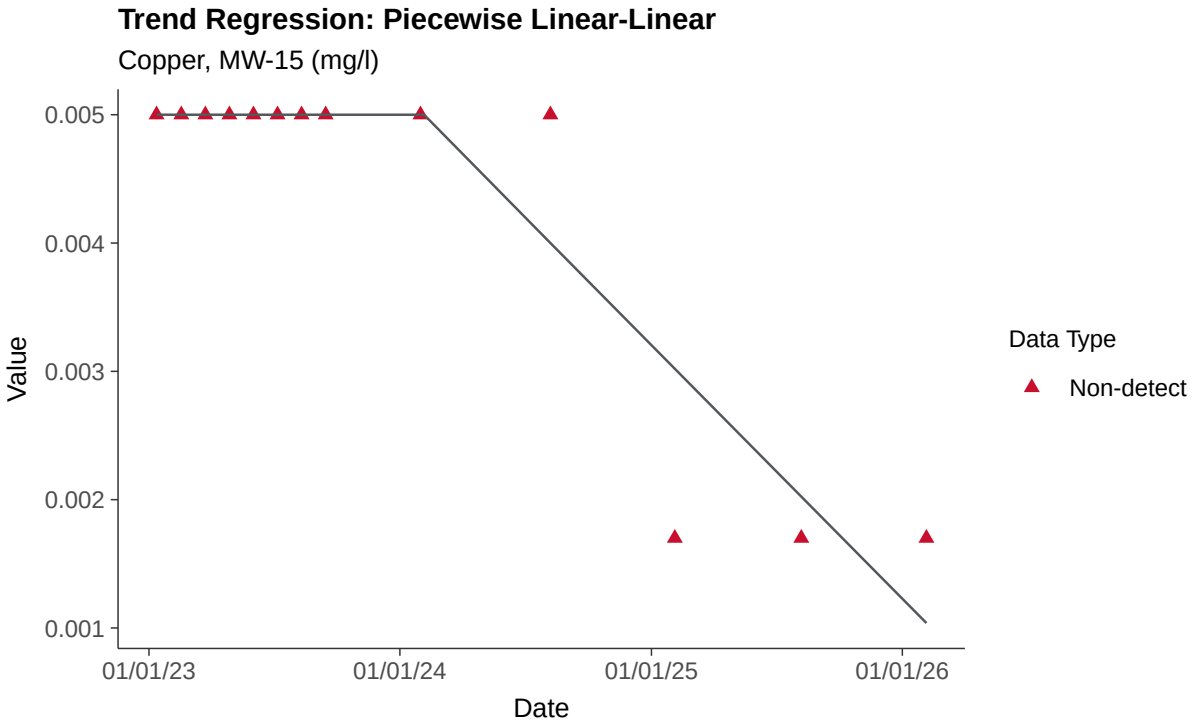
Copper, MW-15 (mg/l)



Boxplot by Season

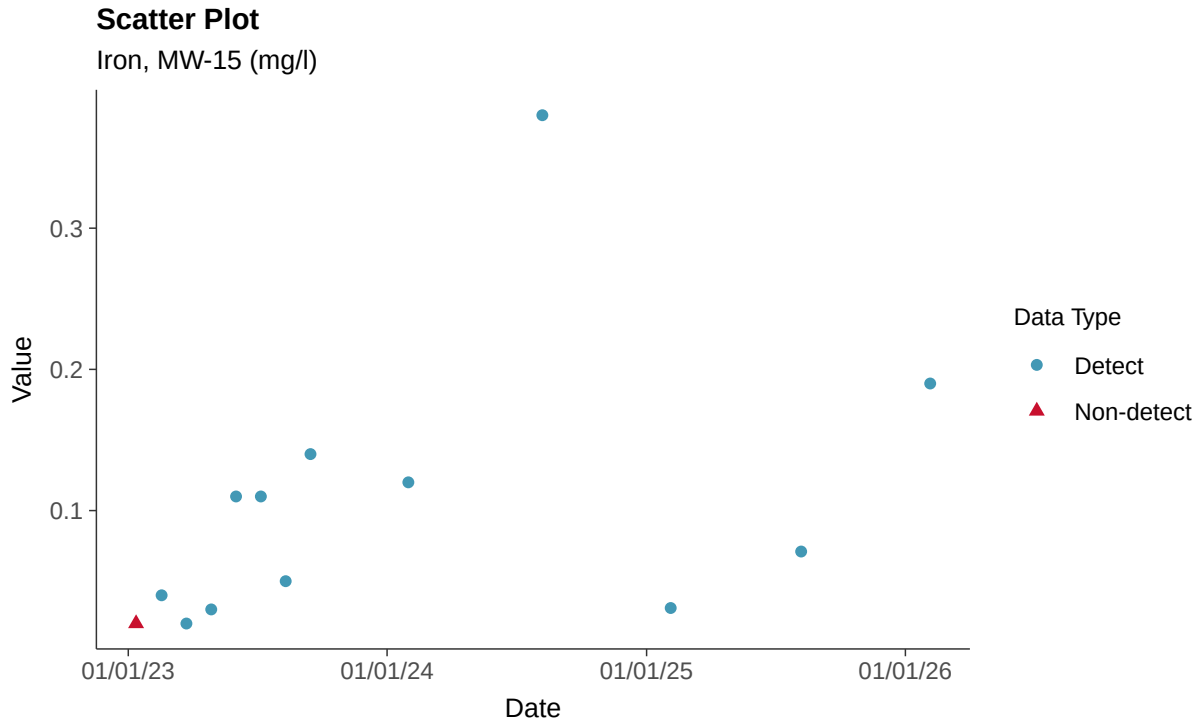
Copper, MW-15 (mg/l)

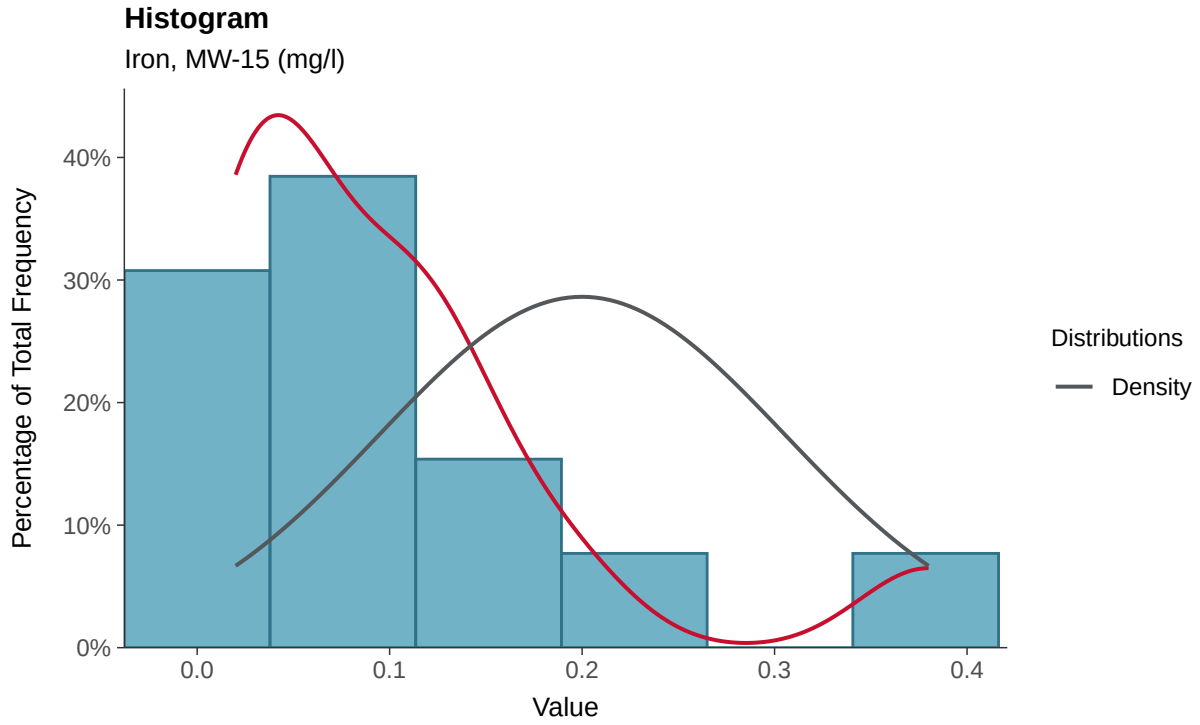



Trend Regression: Piecewise Linear-Linear
Copper, MW-15 (mg/l)
0.005
0.004
0.003
0.002
0.001
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Iron, MW-15

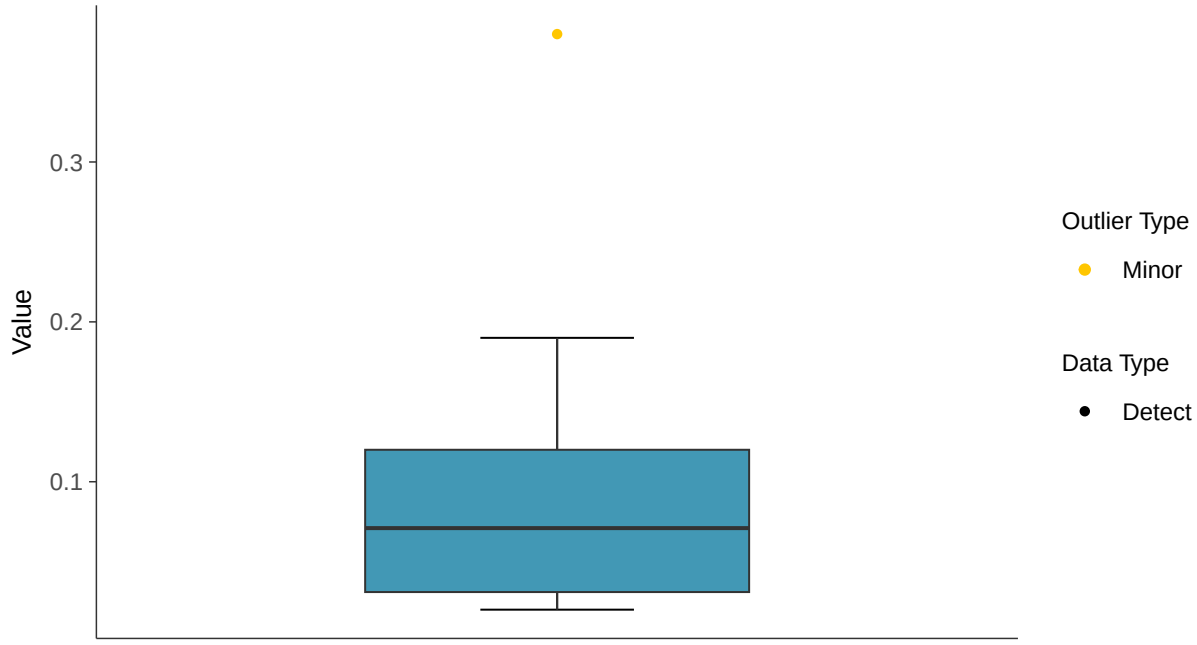
ID: 22_5_114





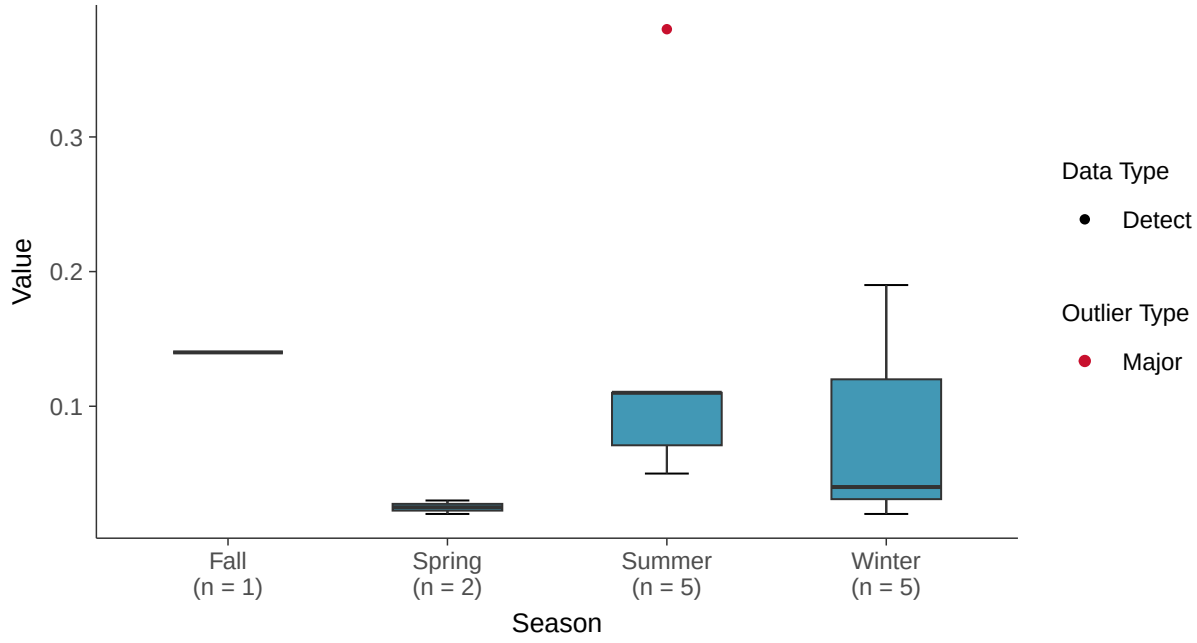
Boxplot

Iron, MW-15 (mg/l)



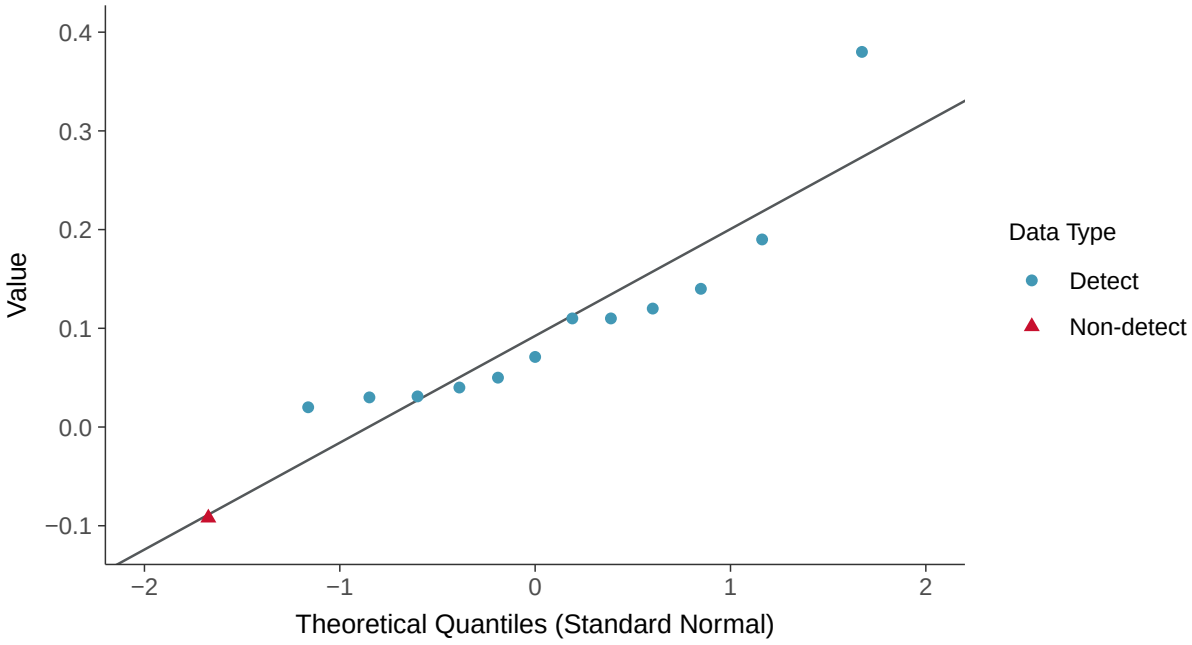
Boxplot by Season

Iron, MW-15 (mg/l)



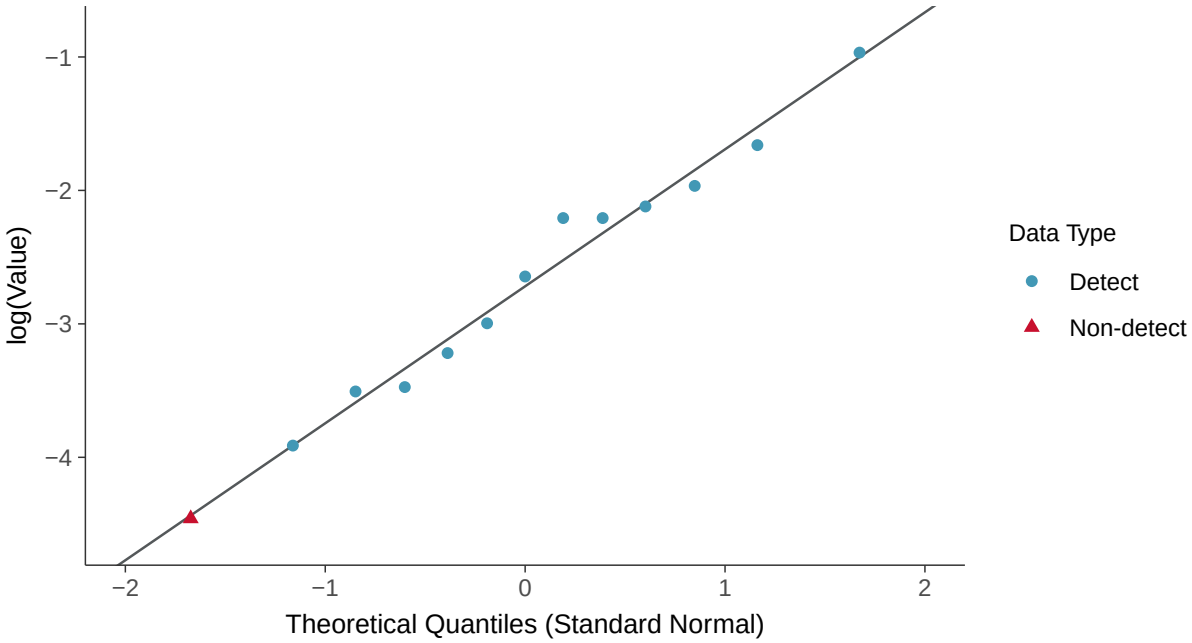
Normal Q-Q plot using ROS Imputed Estimates

Iron, MW-15 (mg/l)



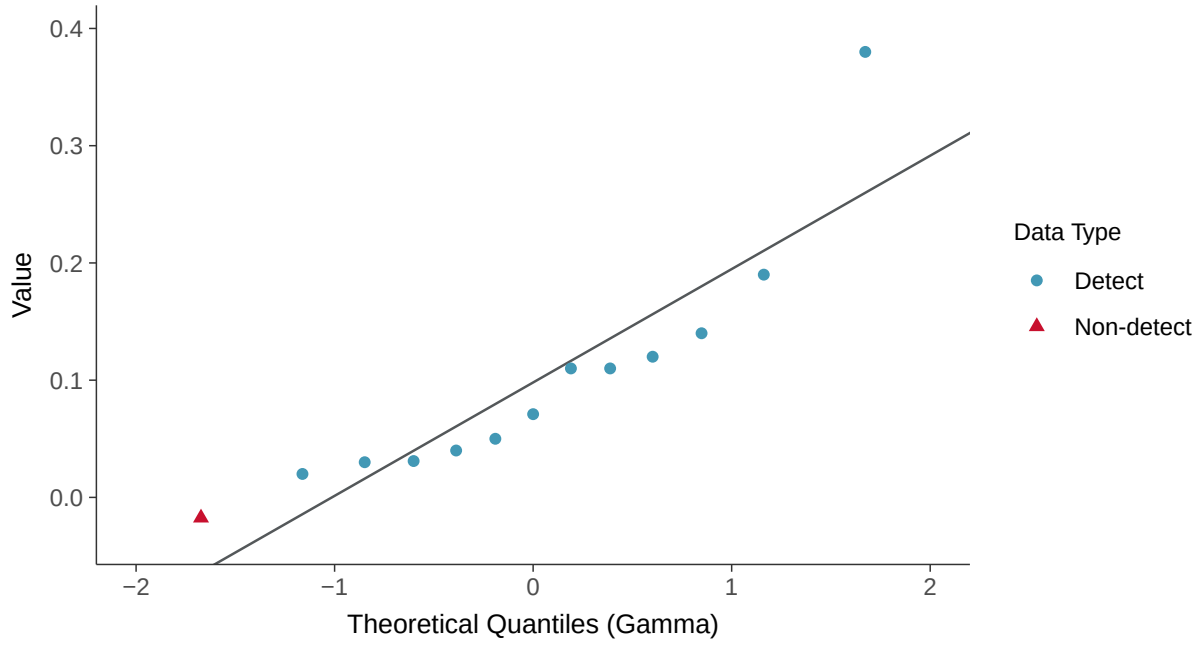
Lognormal Q-Q plot using ROS Imputed Estimates

Iron, MW-15 (mg/l)



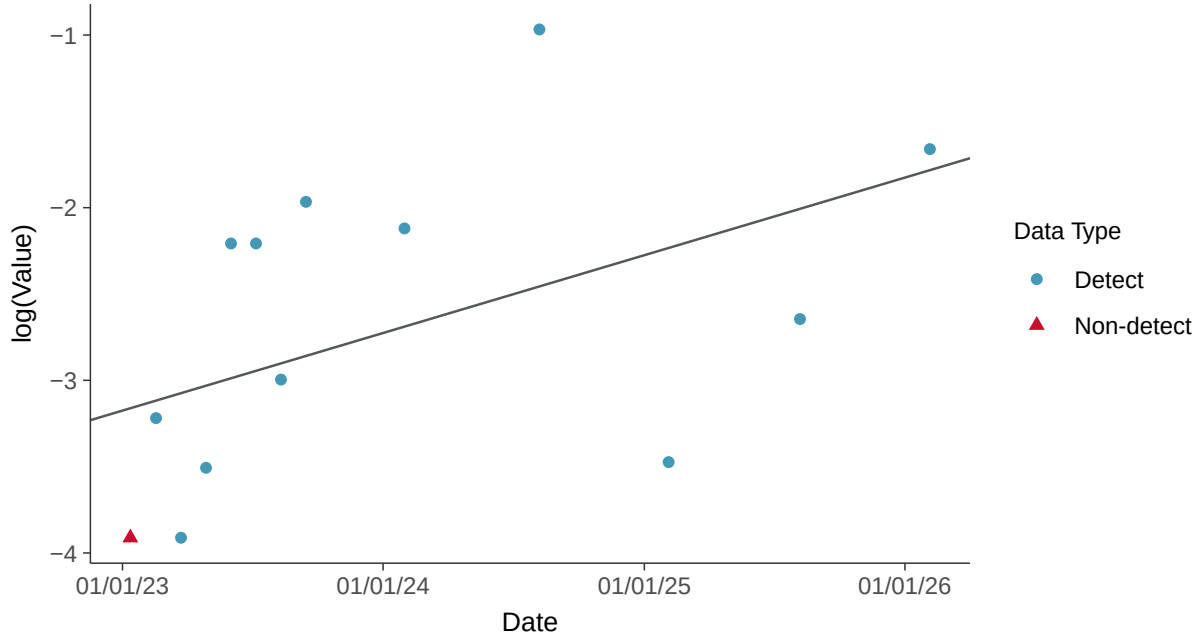
Gamma Q-Q plot using ROS Imputed Estimates

Iron, MW-15 (mg/l)



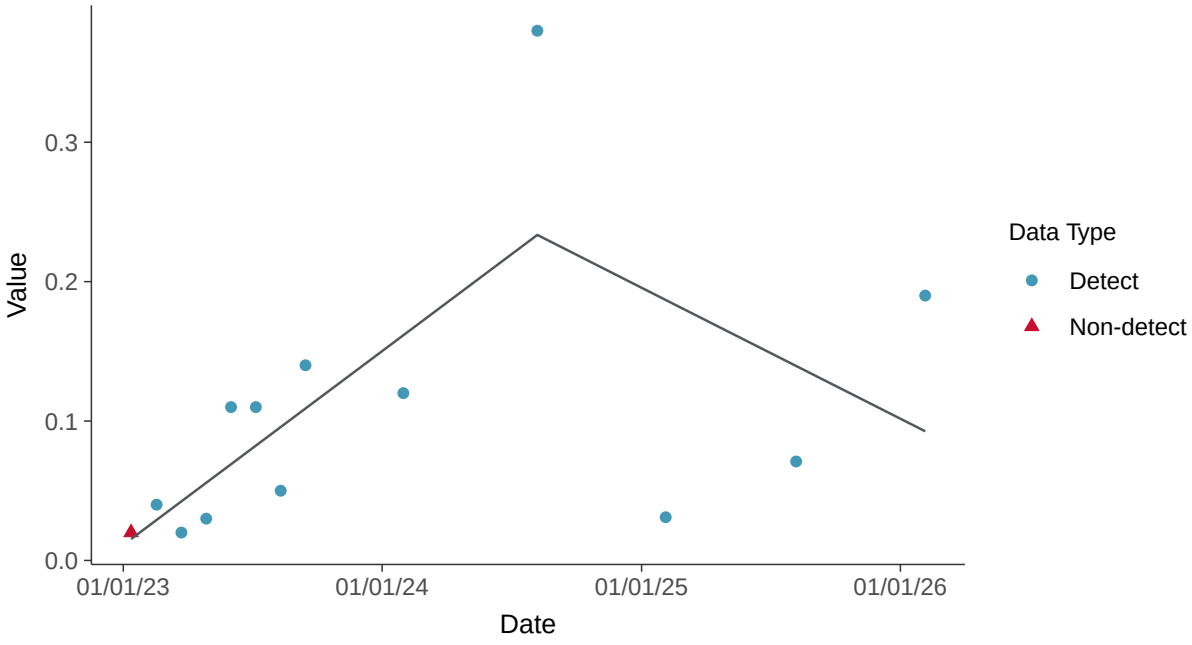
Trend Regression: Lognormal MLE

Iron, MW-15 (mg/l)



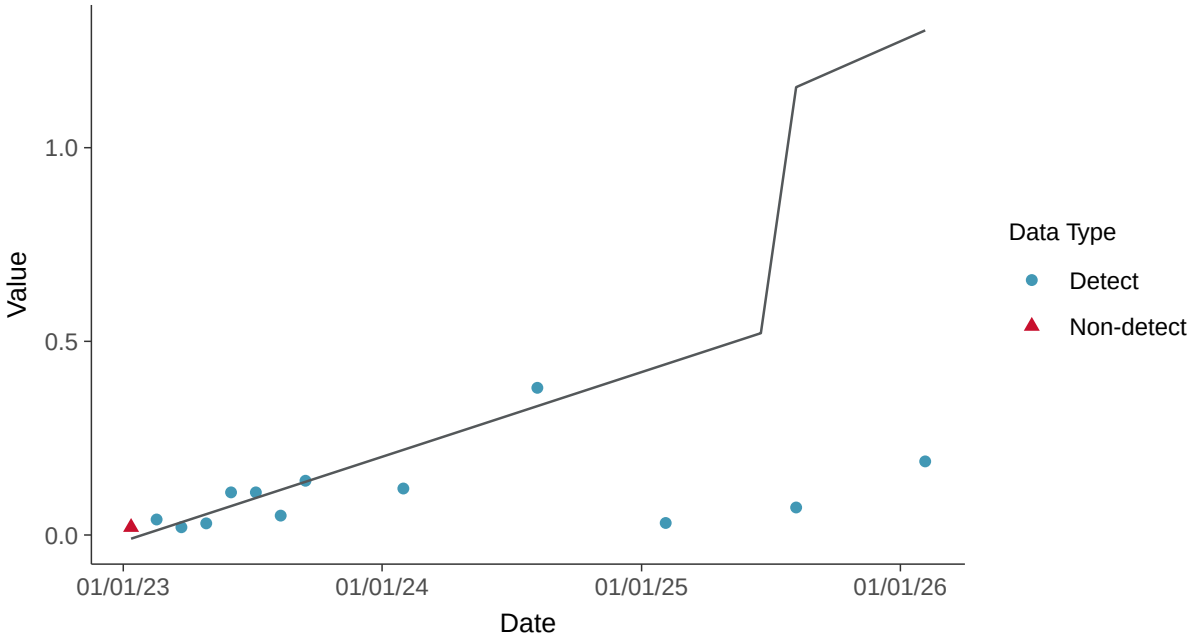
Trend Regression: Piecewise Linear-Linear

Iron, MW-15 (mg/l)



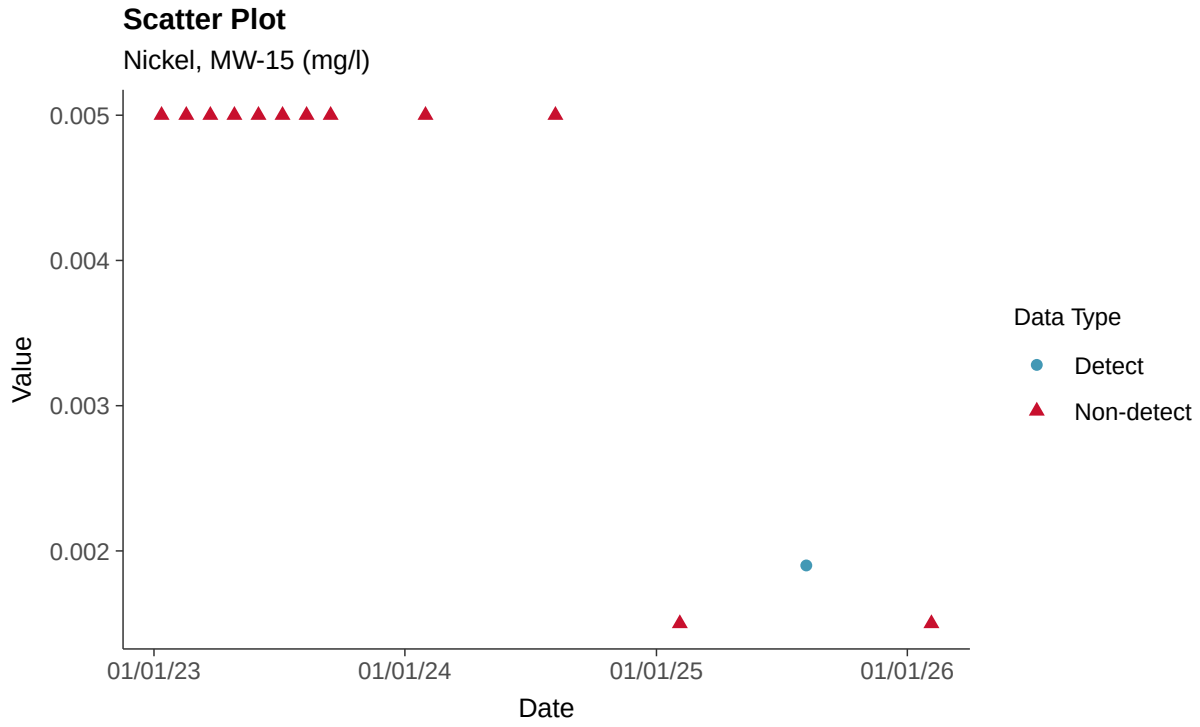
Trend Regression: Piecewise Linear-Linear-Linear

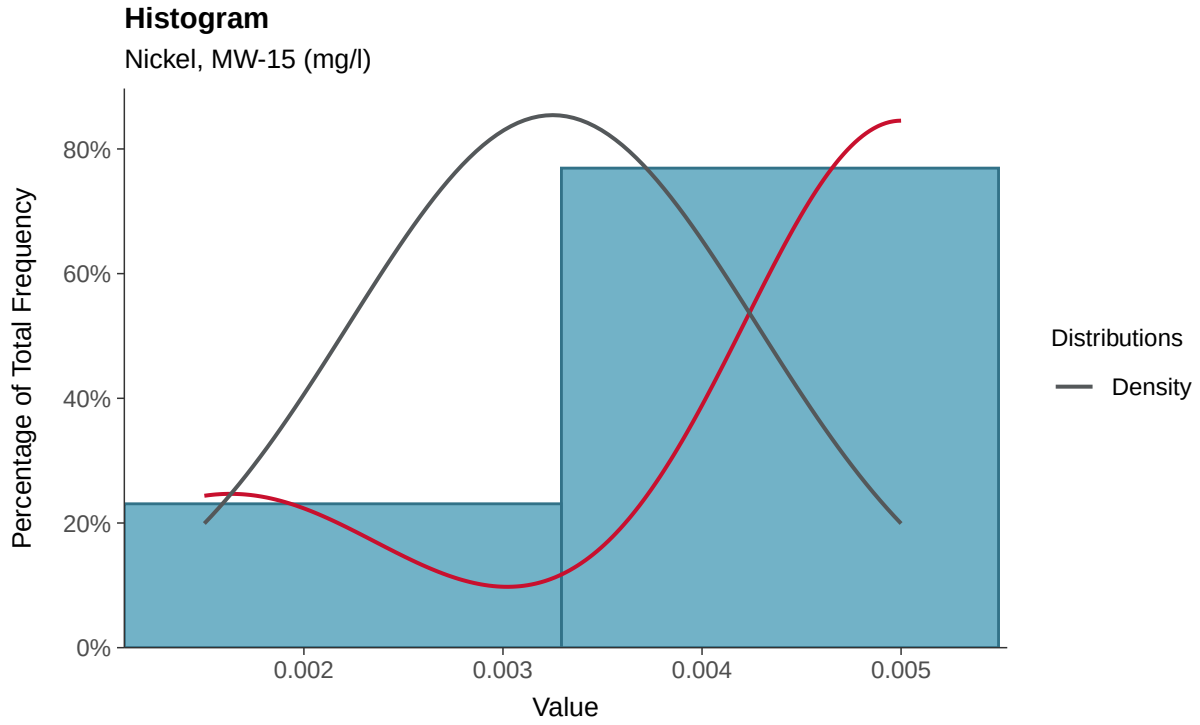
Iron, MW-15 (mg/l)



Part 115: Nickel, MW-15

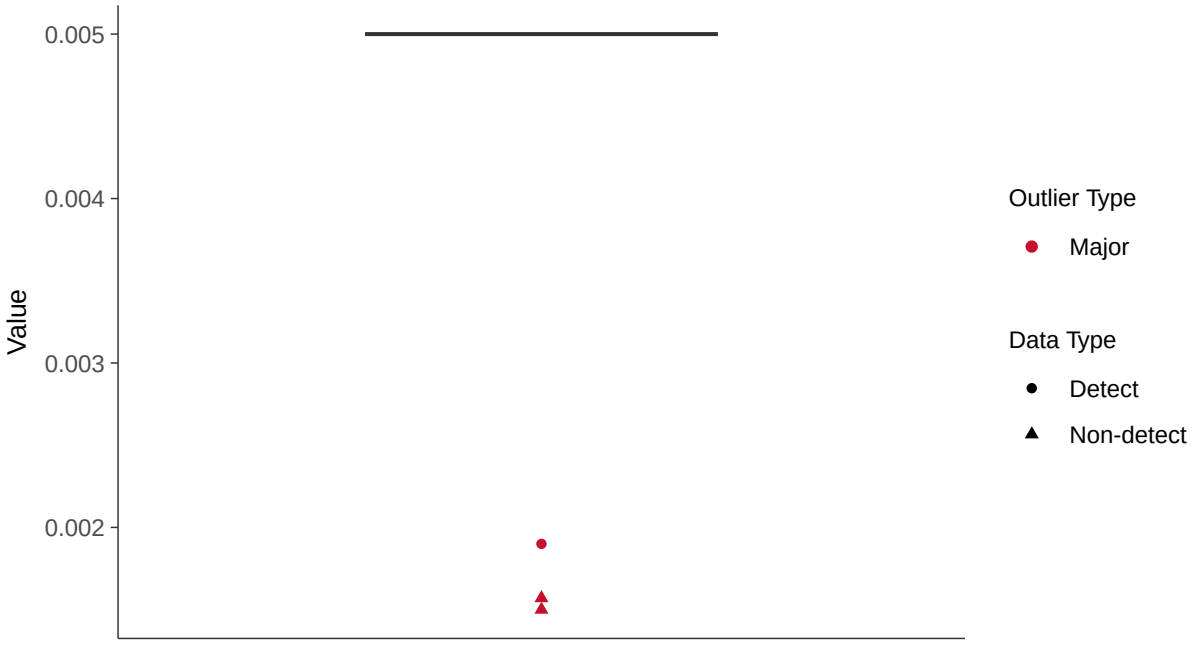
ID: 22_5_119





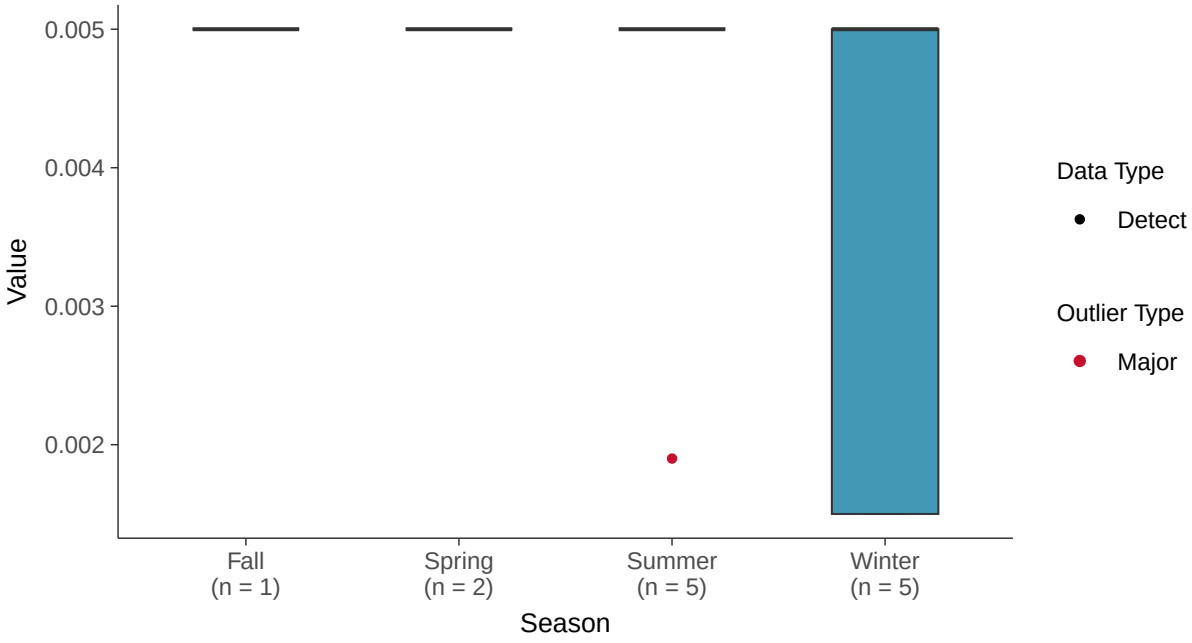
Boxplot

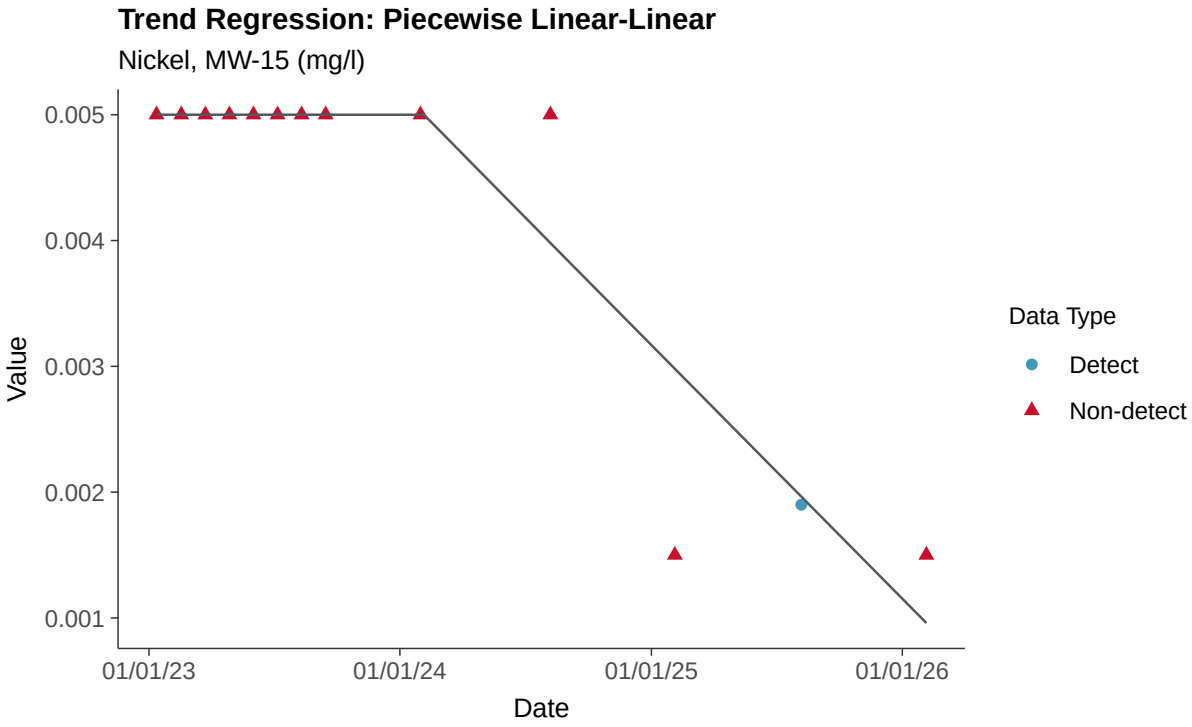
Nickel, MW-15 (mg/l)



Boxplot by Season

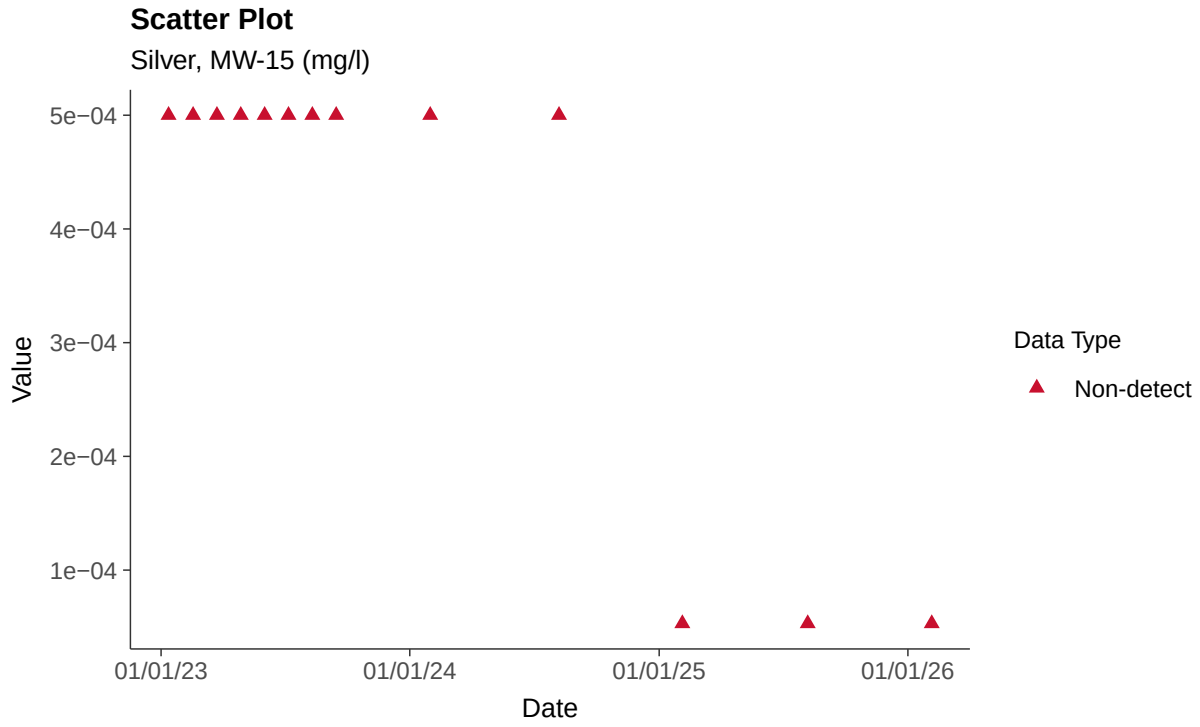
Nickel, MW-15 (mg/l)

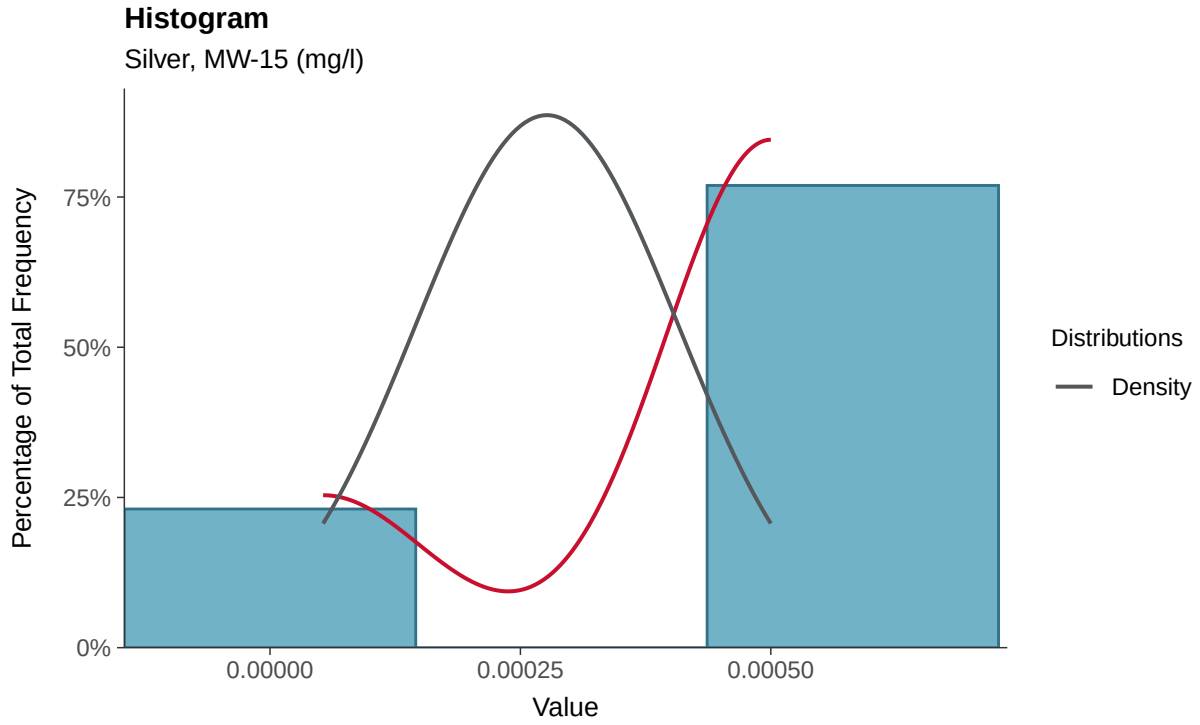



Trend Regression: Piecewise Linear-Linear
Nickel, MW-15 (mg/l)
0.005
0.004
0.003
0.002
0.001
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Silver, MW-15

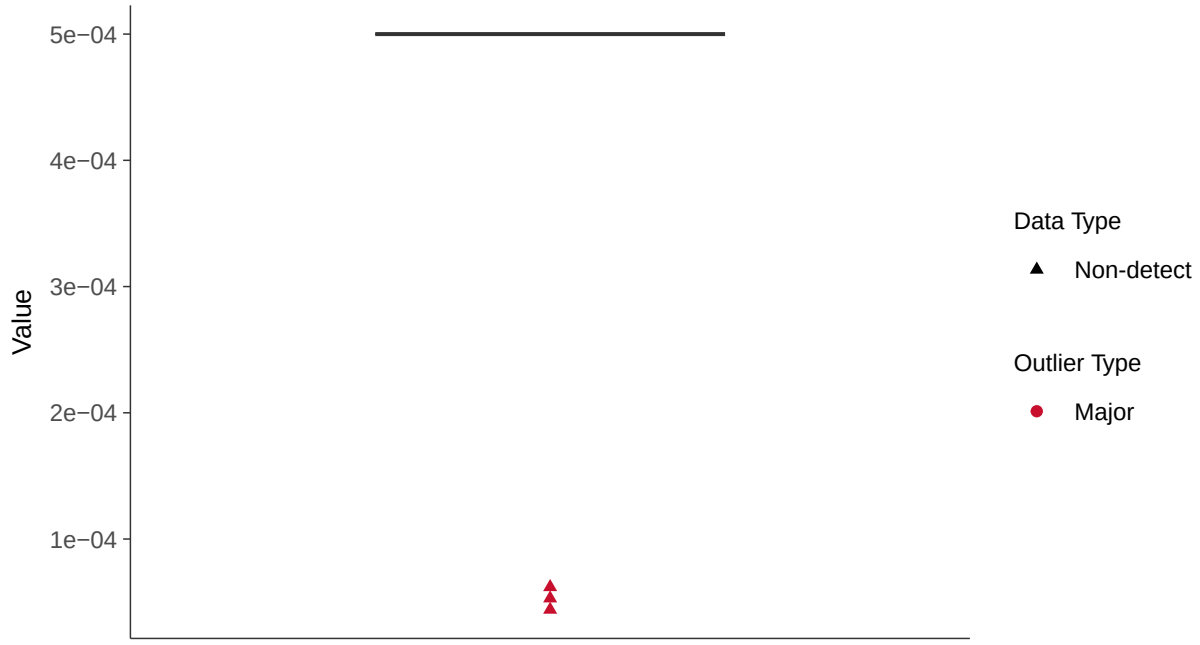
ID: 22_5_123





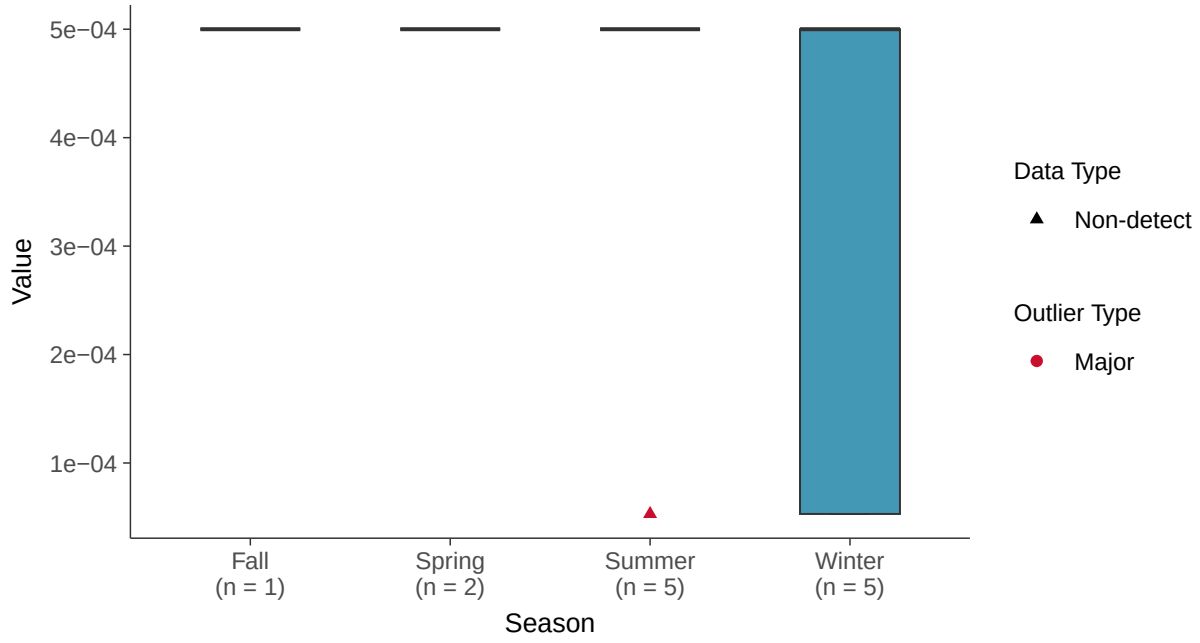
Boxplot

Silver, MW-15 (mg/l)



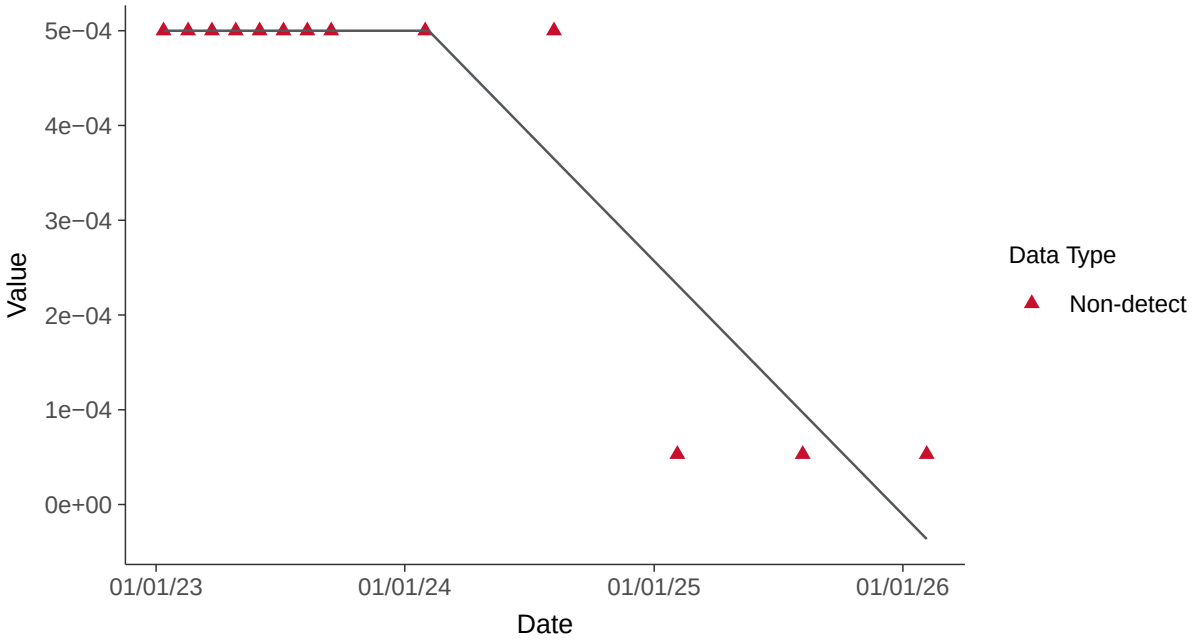
Boxplot by Season

Silver, MW-15 (mg/l)



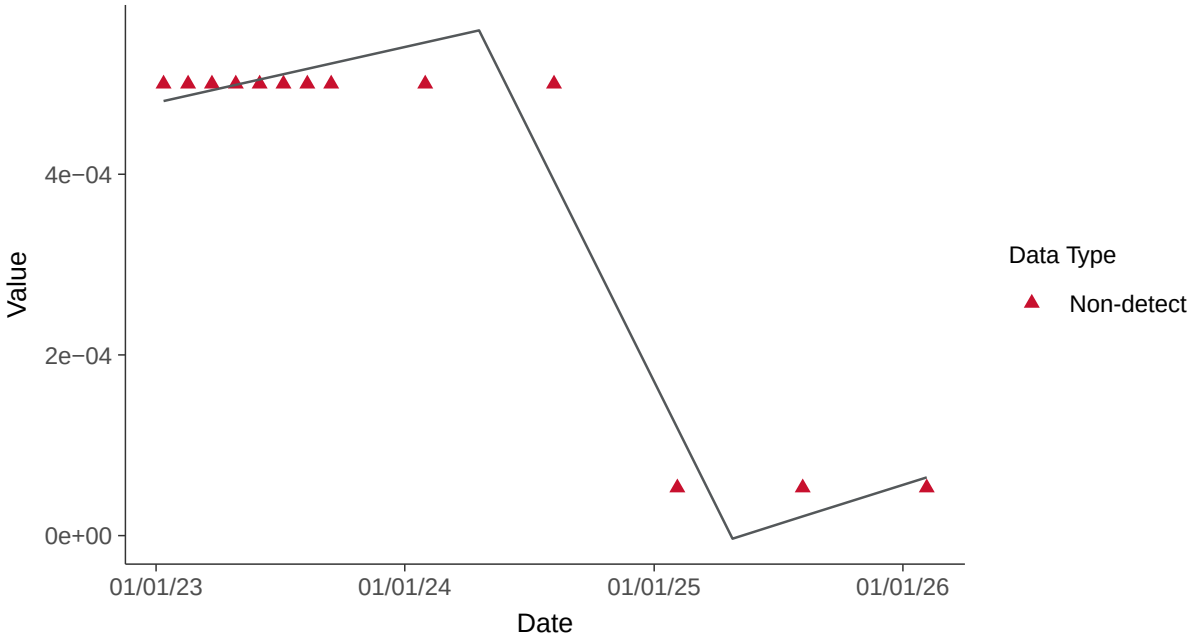
Trend Regression: Piecewise Linear-Linear

Silver, MW-15 (mg/l)



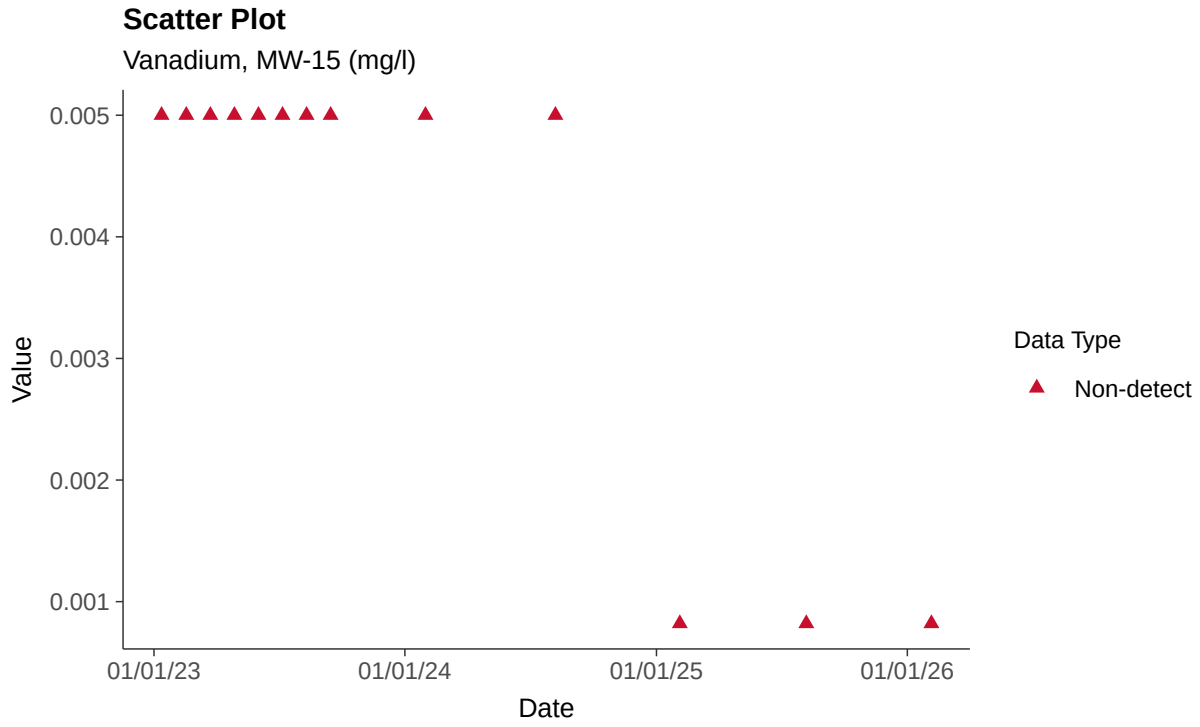
Trend Regression: Piecewise Linear-Linear-Linear

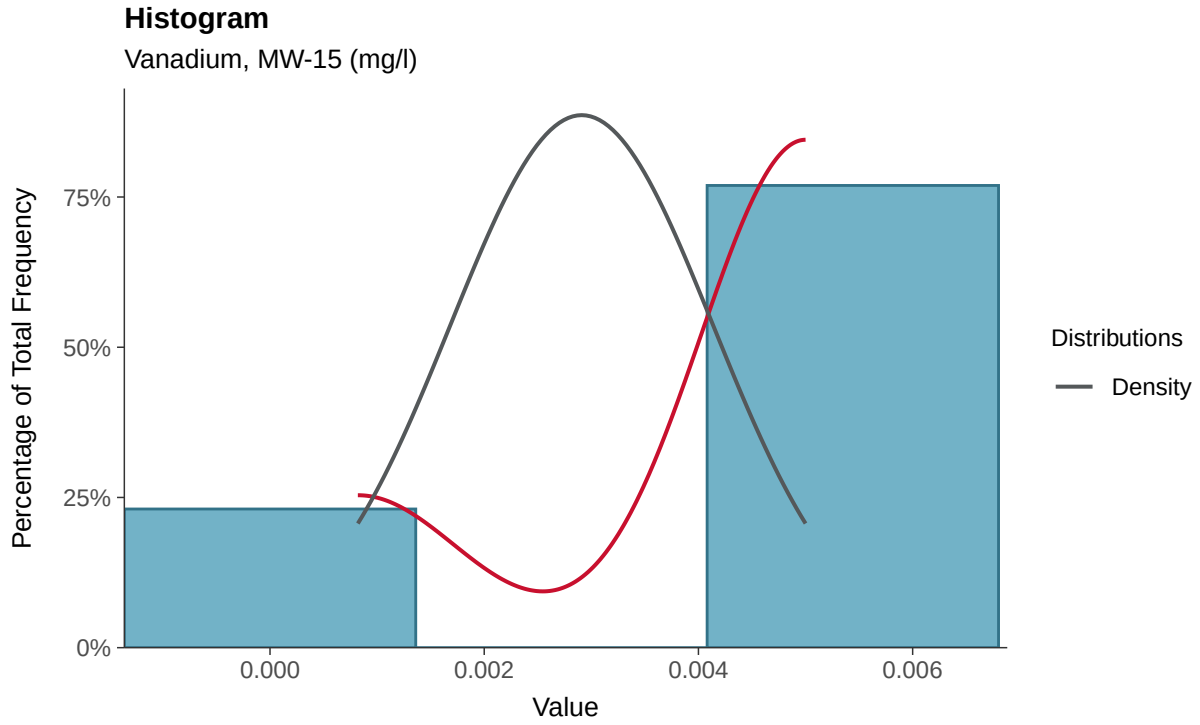
Silver, MW-15 (mg/l)



Part 115: Vanadium, MW-15

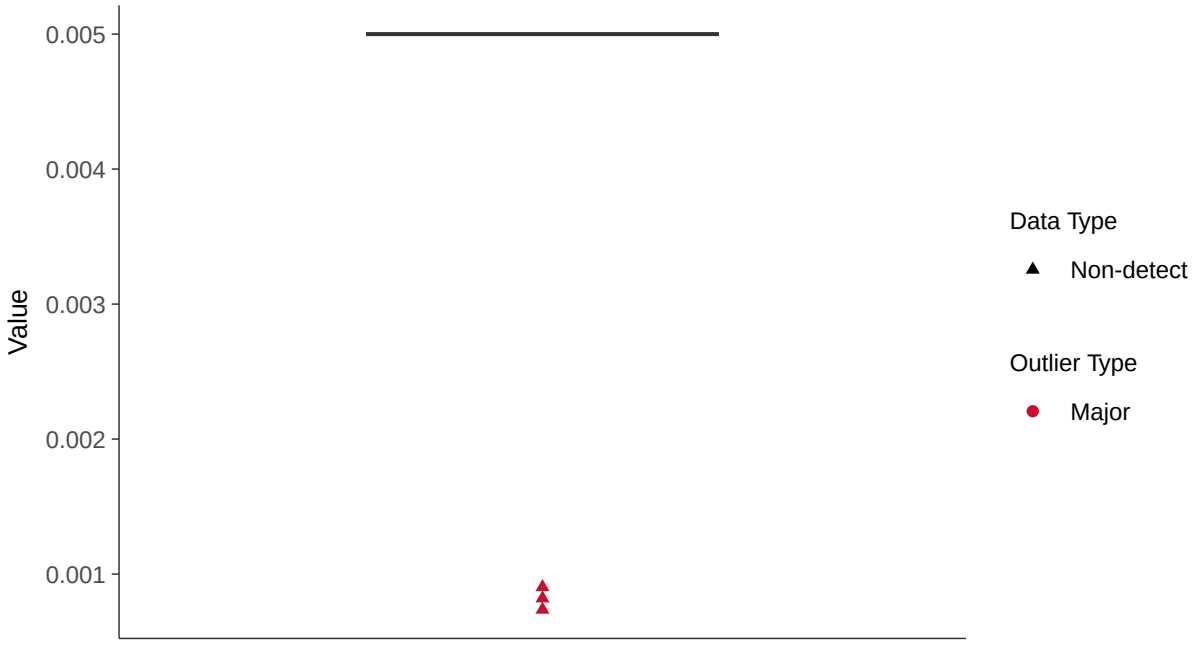
ID: 22_5_128





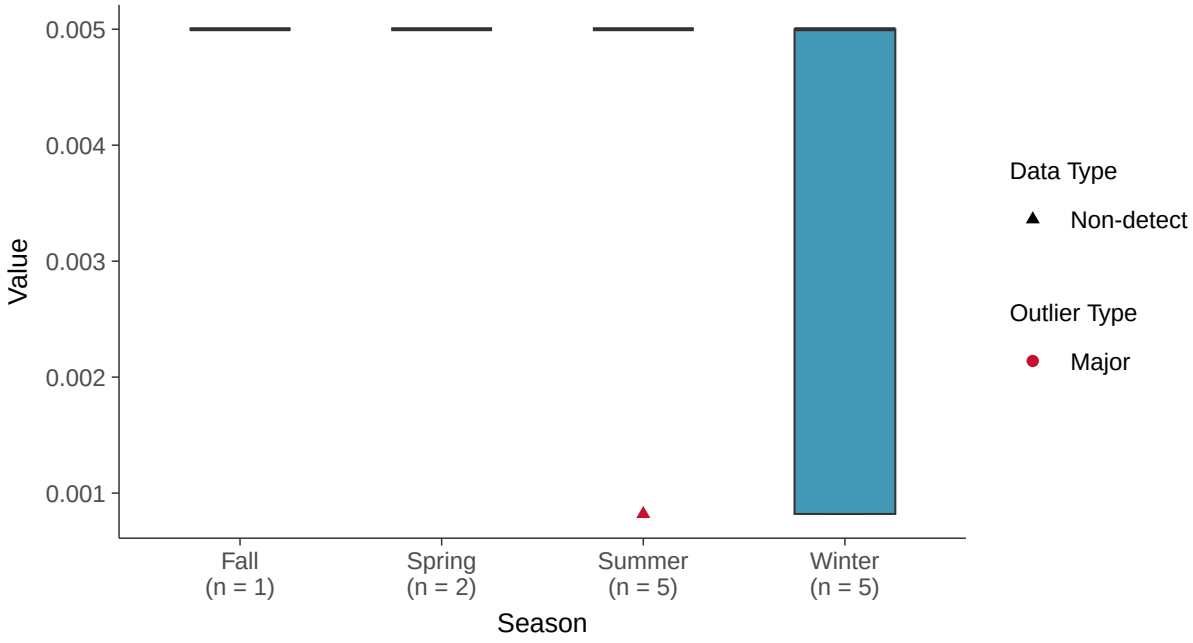
Boxplot

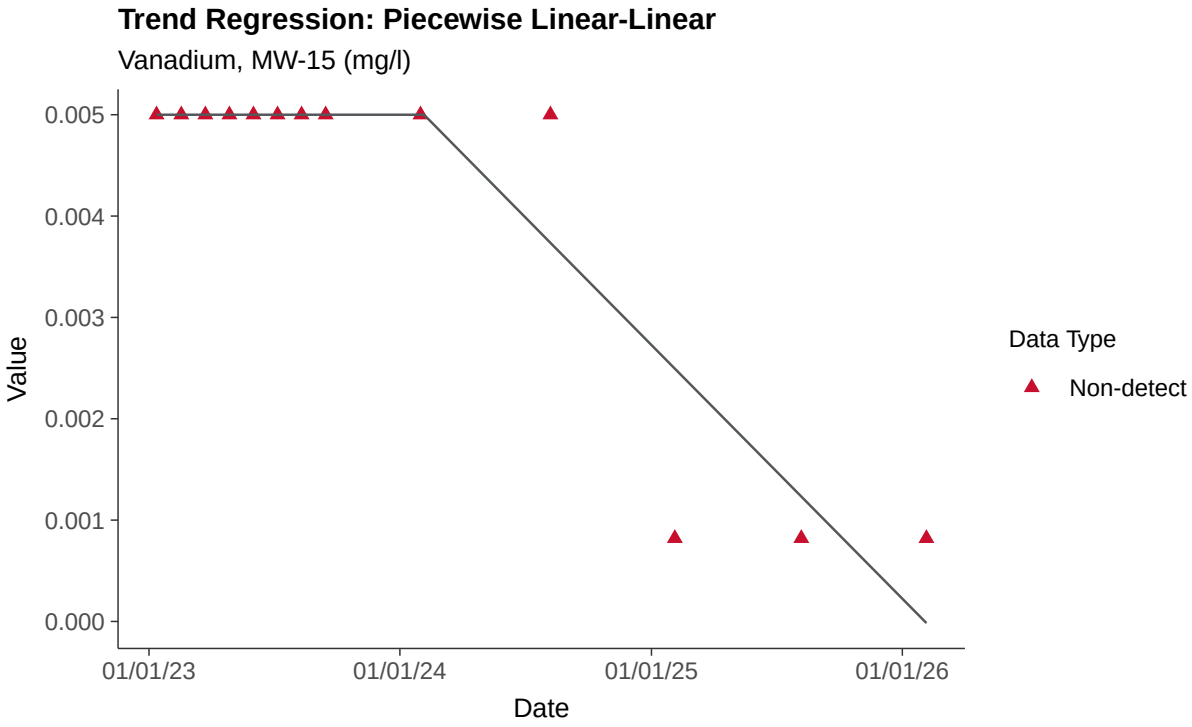
Vanadium, MW-15 (mg/l)



Boxplot by Season

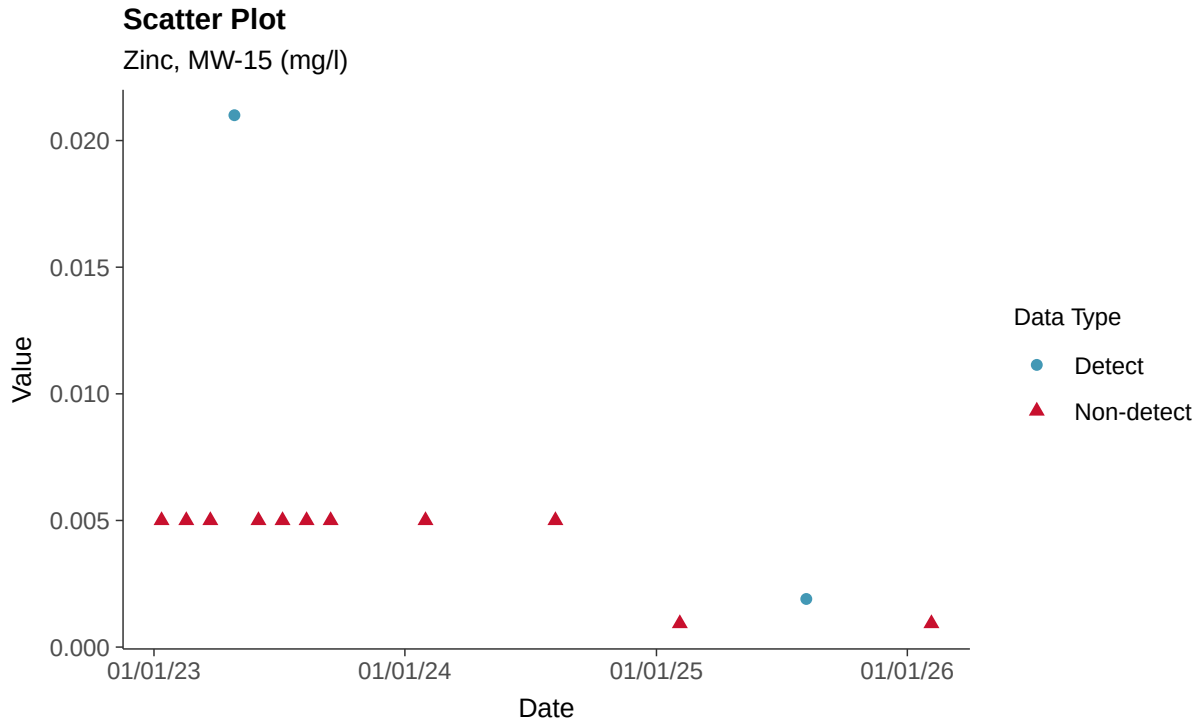
Vanadium, MW-15 (mg/l)

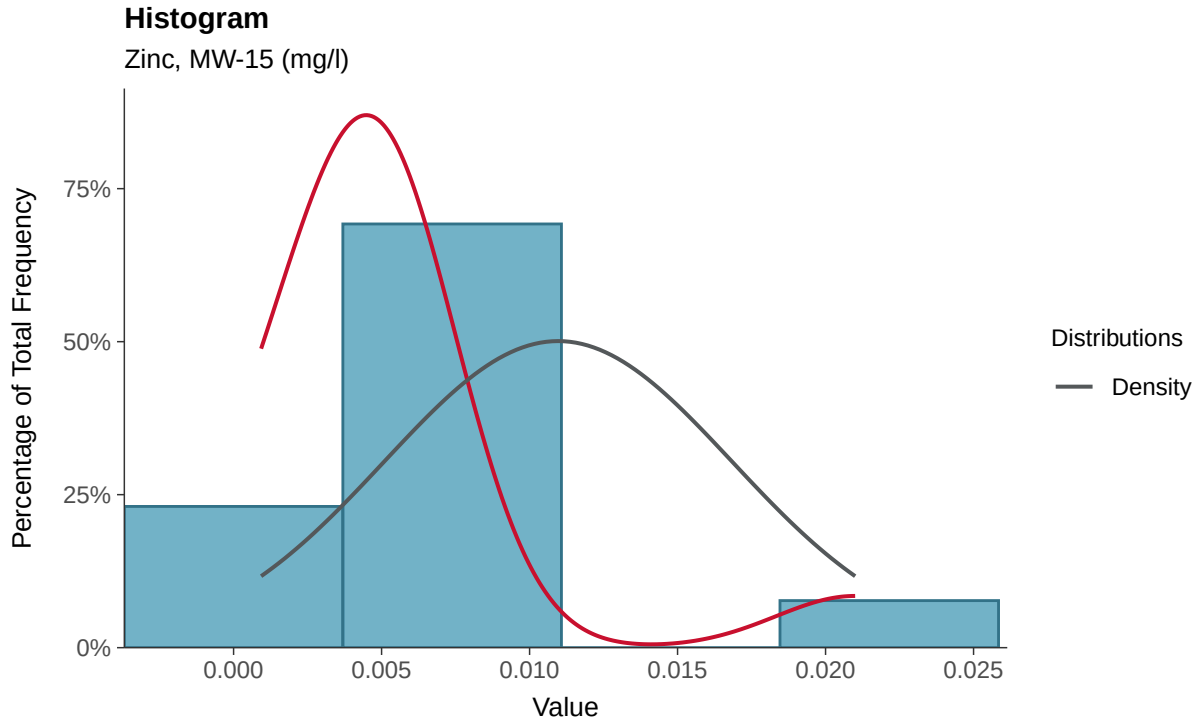



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-15 (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-15

ID: 22_5_129



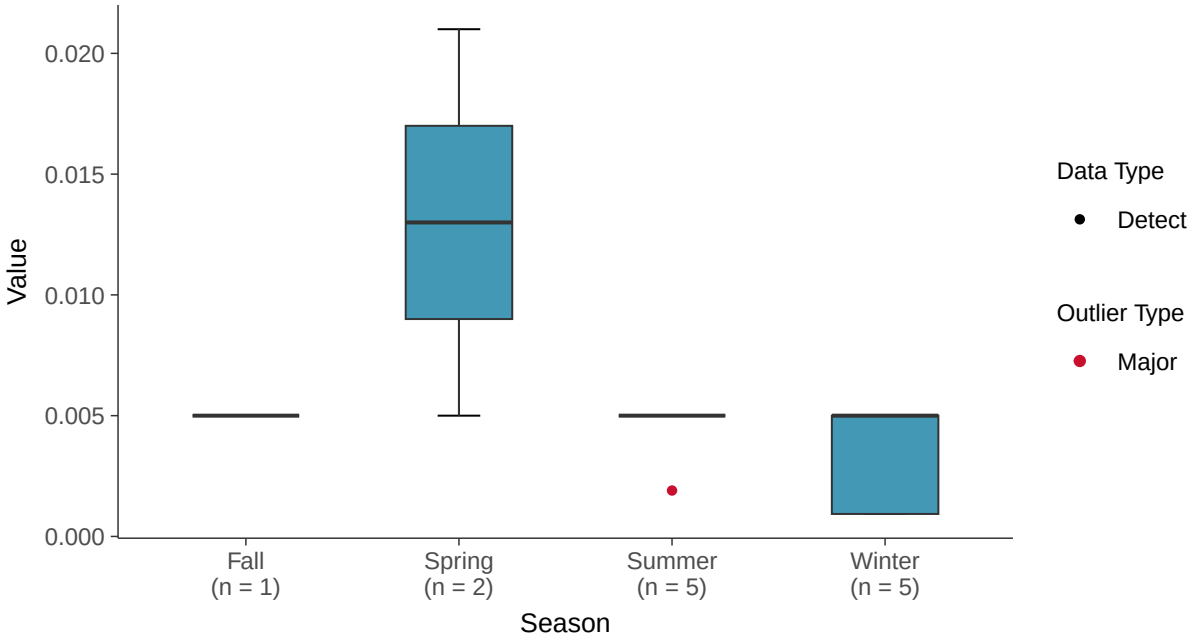


Boxplot

Zinc, MW-15 (mg/l)

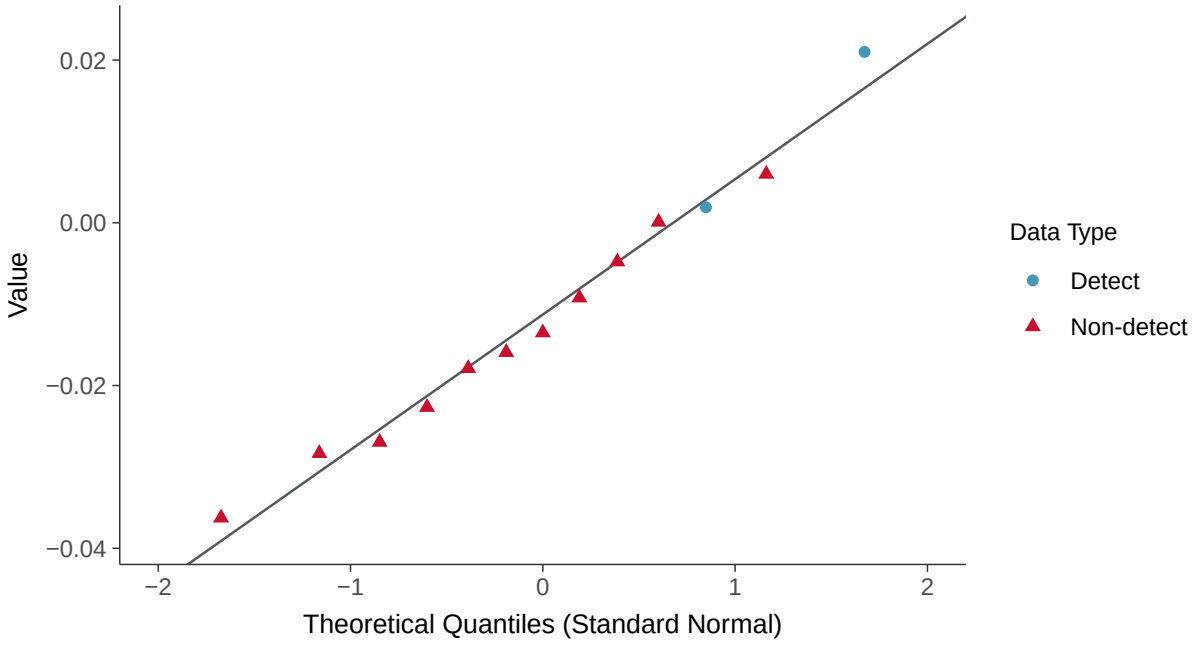
Boxplot by Season

Zinc, MW-15 (mg/l)



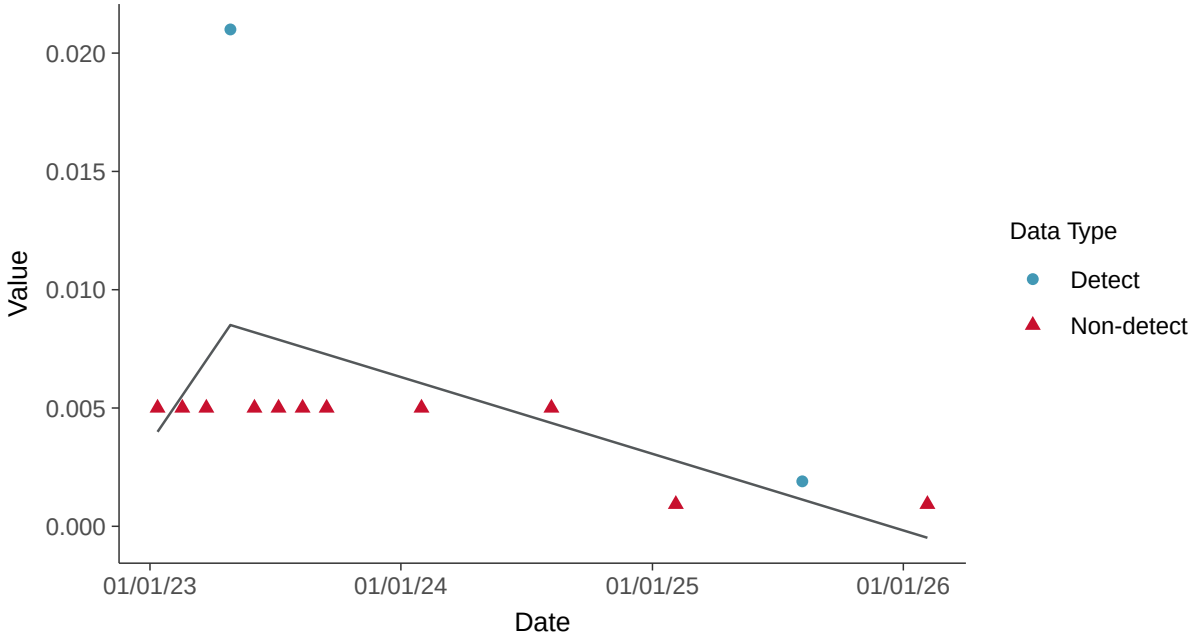
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-15 (mg/l)



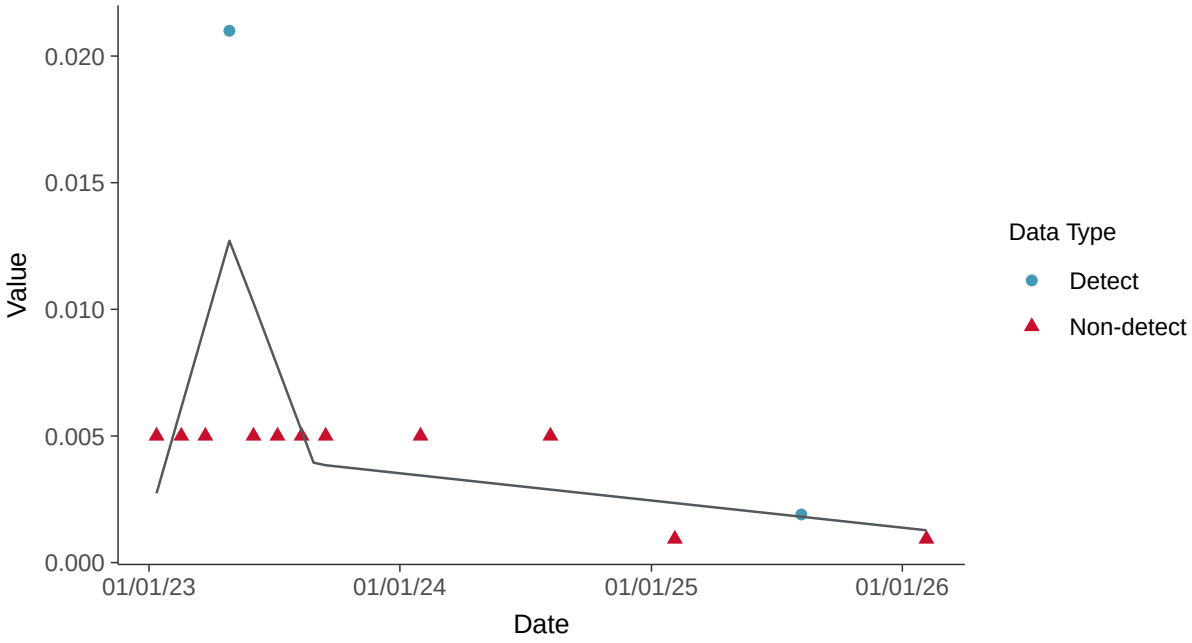
Trend Regression: Piecewise Linear-Linear

Zinc, MW-15 (mg/l)



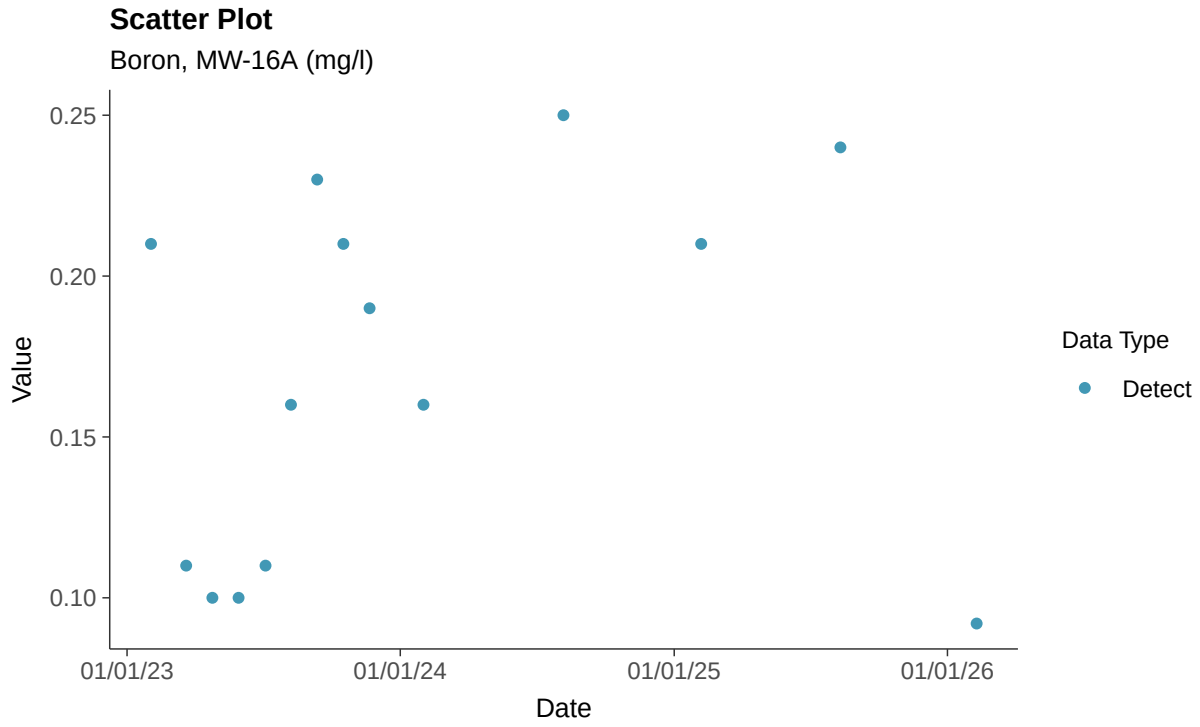
Trend Regression: Piecewise Linear-Linear-Linear

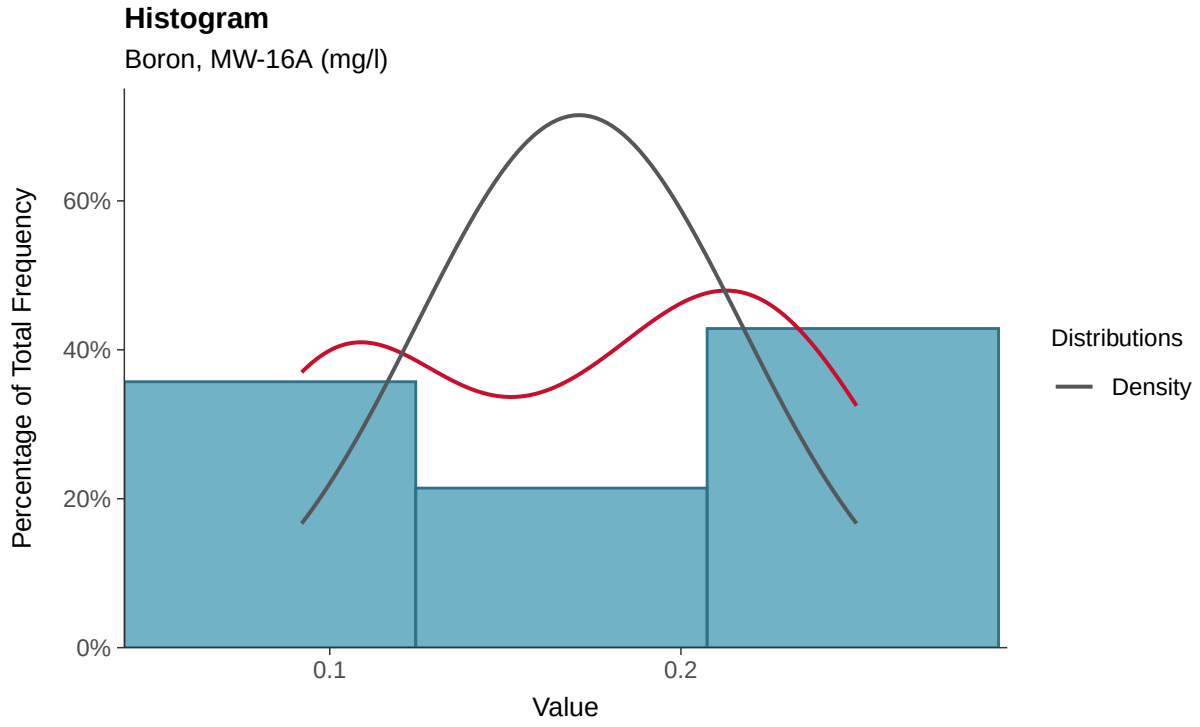
Zinc, MW-15 (mg/l)



Appendix III: Boron, MW-16A

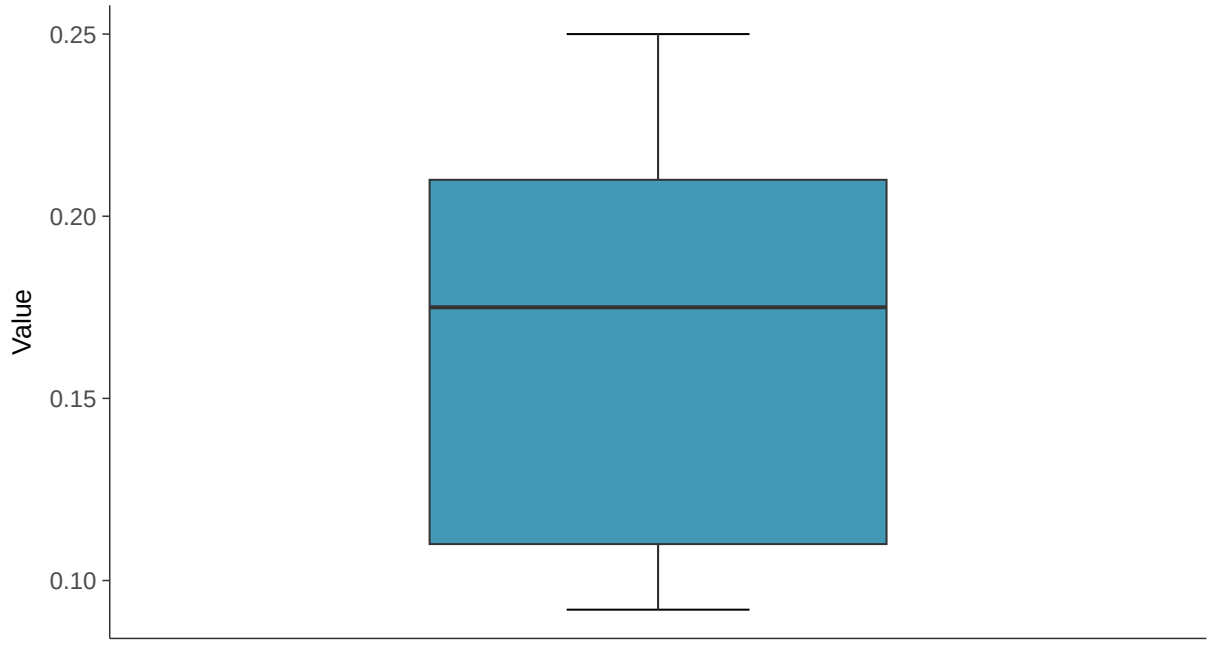
ID: 23_2_105





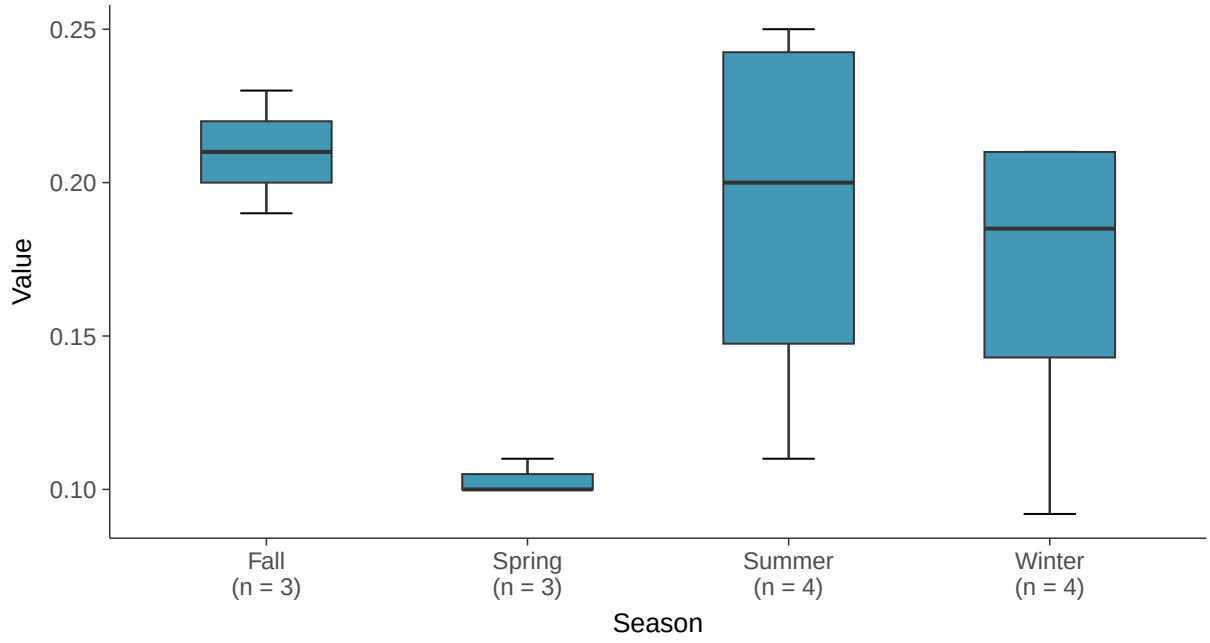
Boxplot

Boron, MW-16A (mg/l)



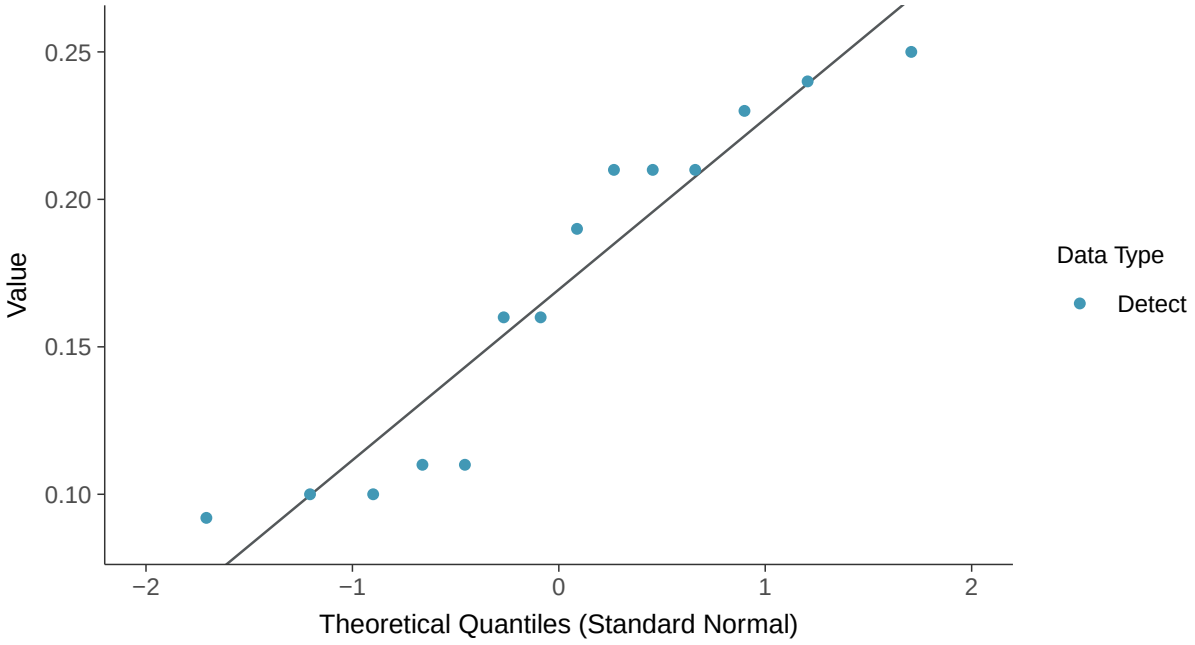
Boxplot by Season

Boron, MW-16A (mg/l)



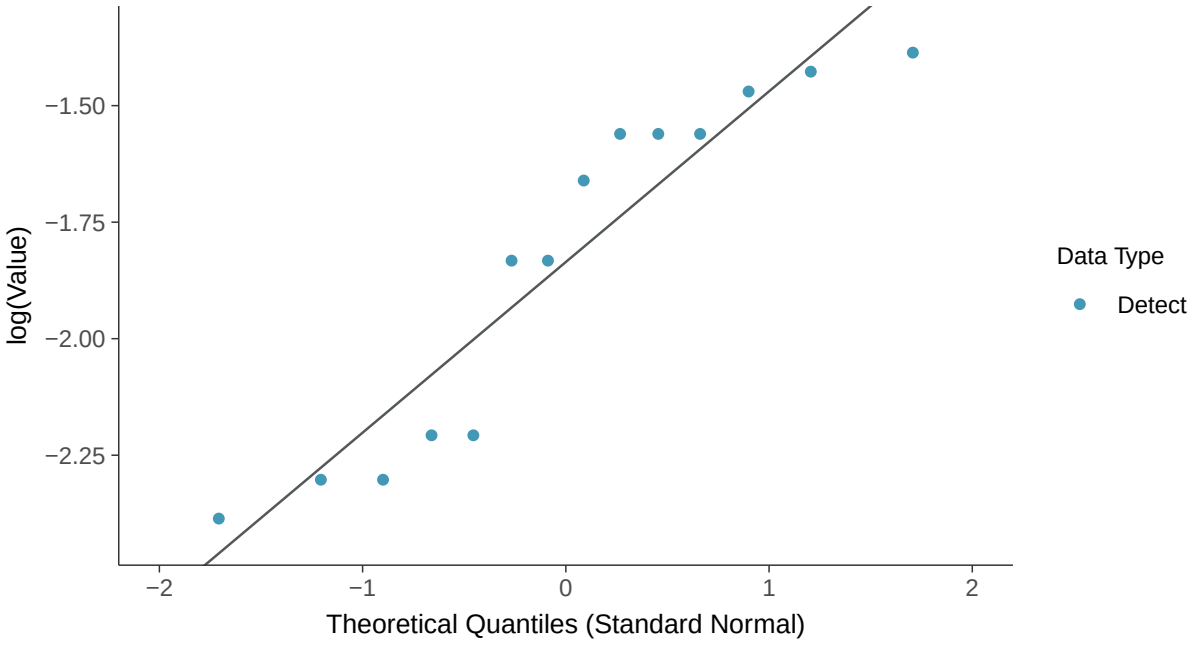
Normal Q-Q plot

Boron, MW-16A (mg/l)



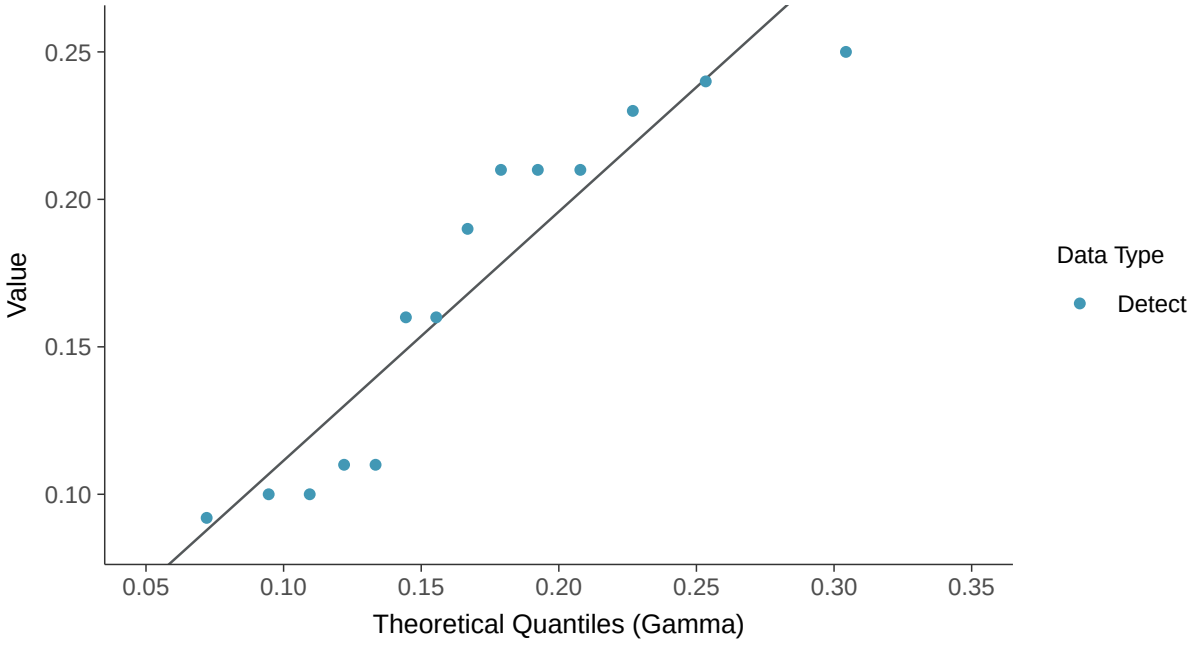
Lognormal Q-Q plot

Boron, MW-16A (mg/l)



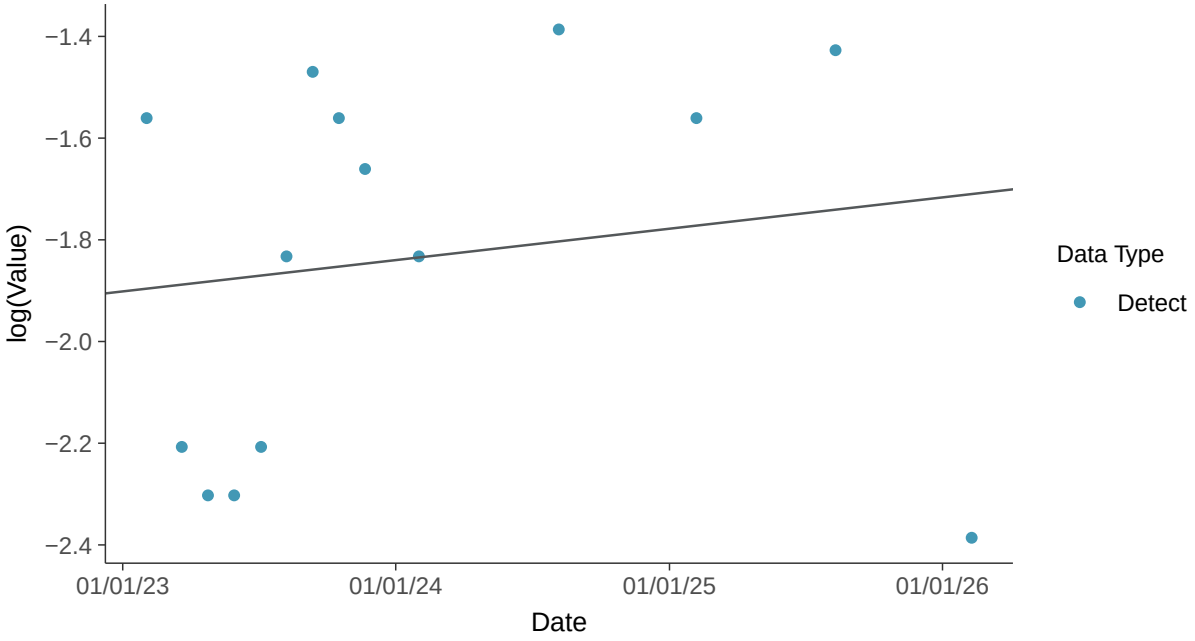
Gamma Q-Q plot

Boron, MW-16A (mg/l)



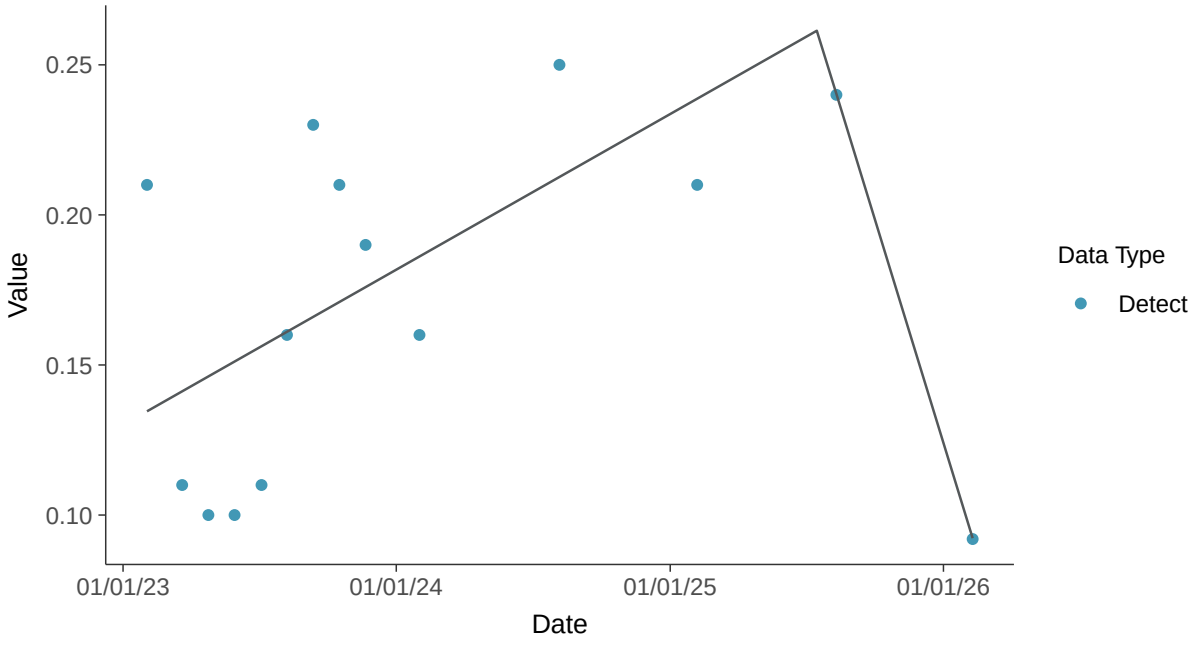
Trend Regression: Lognormal MLE

Boron, MW-16A (mg/l)



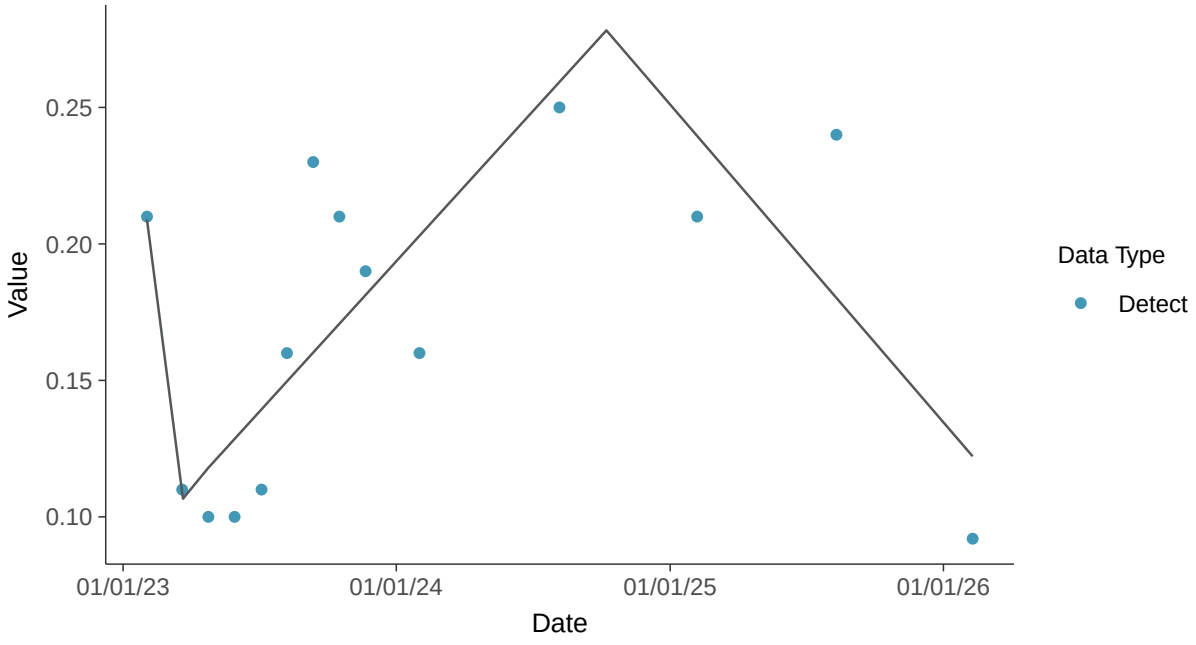
Trend Regression: Piecewise Linear-Linear

Boron, MW-16A (mg/l)



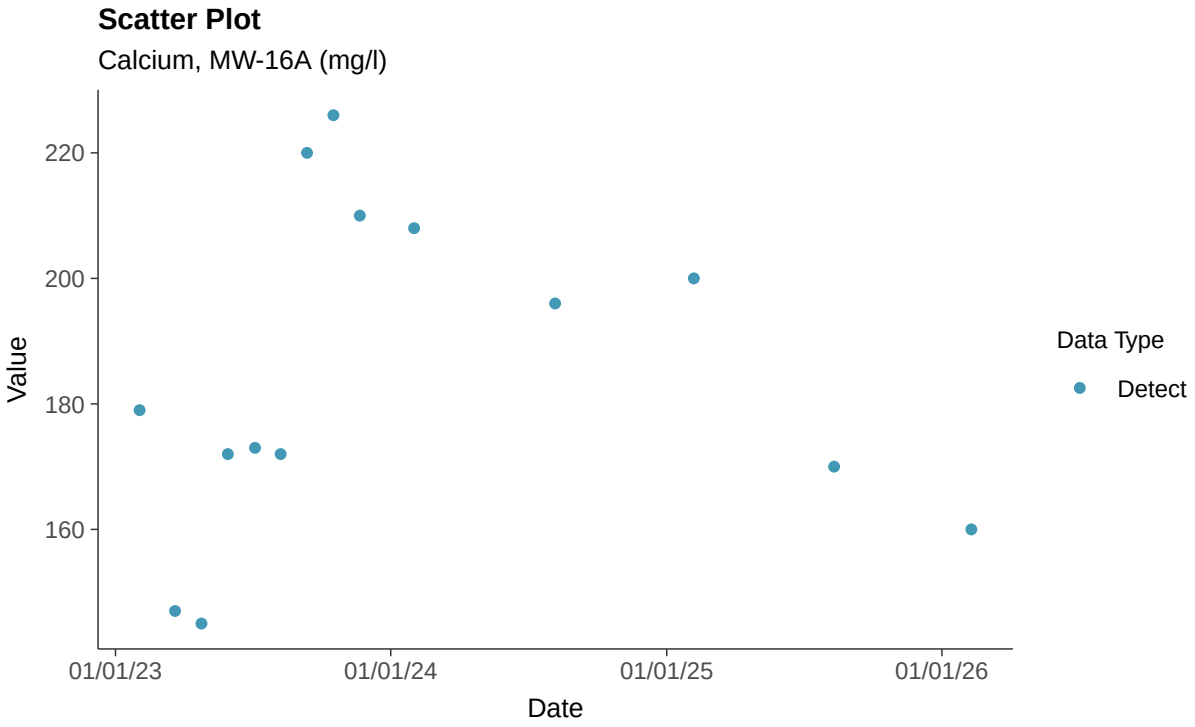
Trend Regression: Piecewise Linear-Linear-Linear

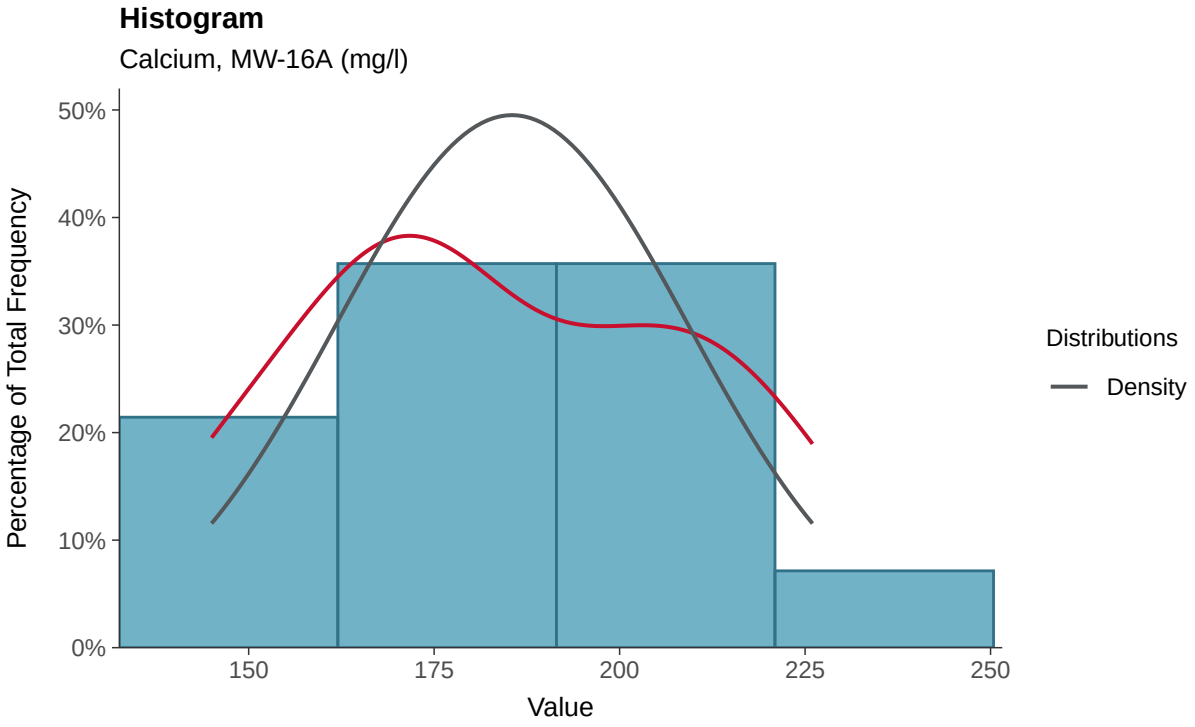
Boron, MW-16A (mg/l)



Appendix III: Calcium, MW-16A

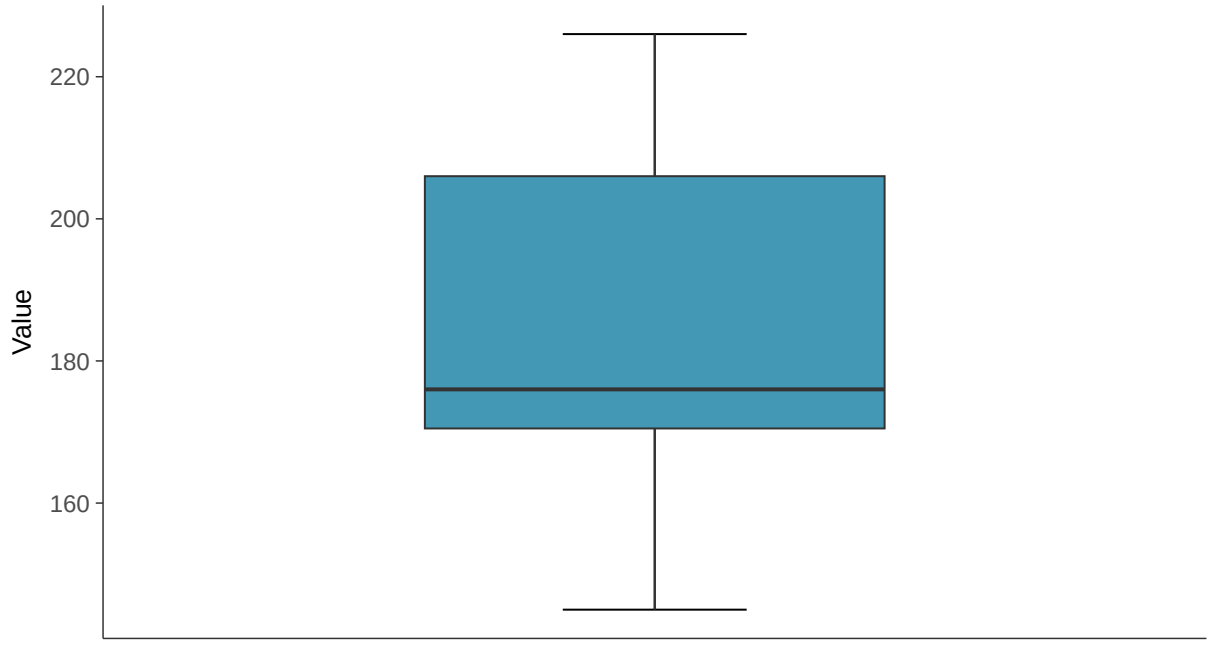
ID: 23_2_107





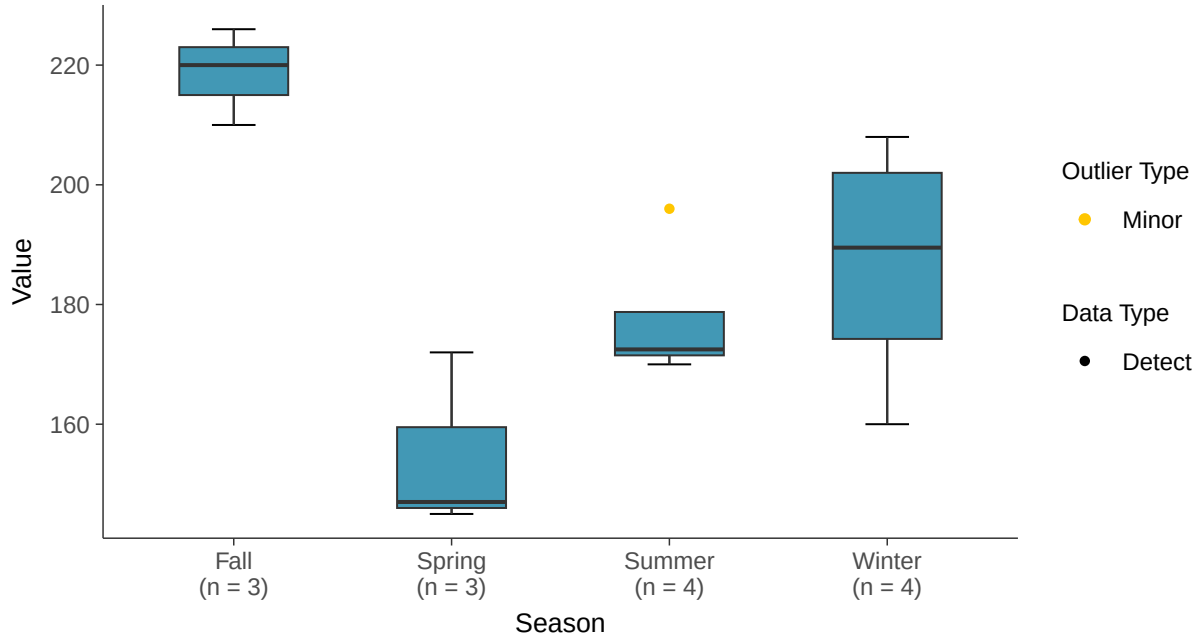
Boxplot

Calcium, MW-16A (mg/l)



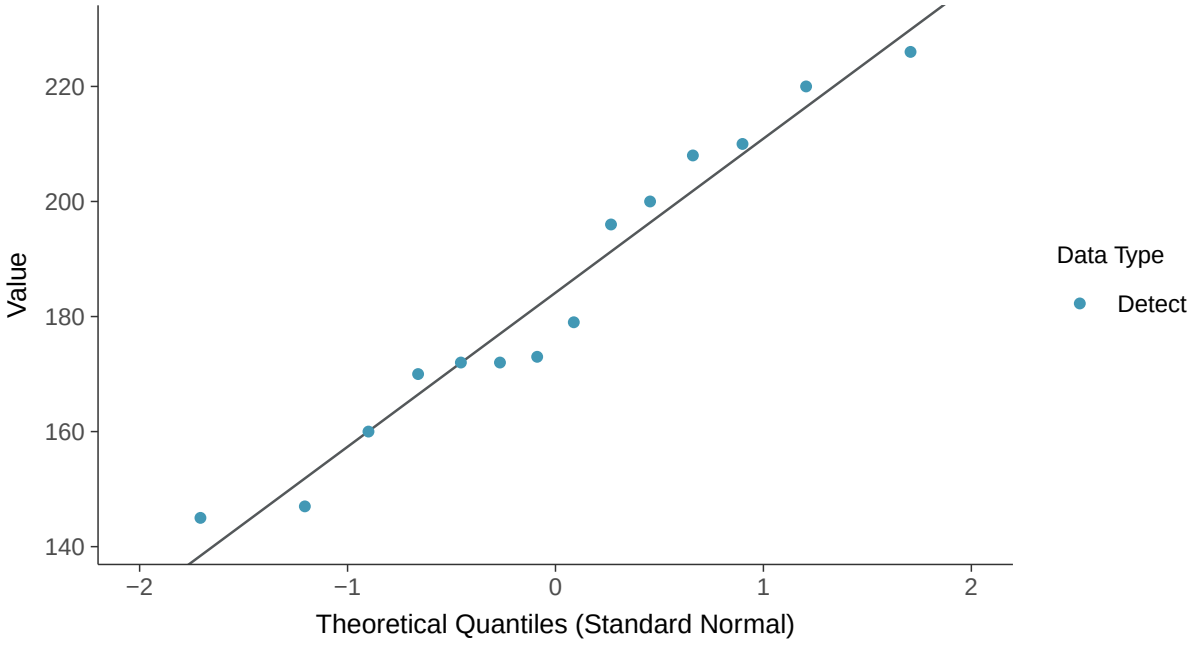
Boxplot by Season

Calcium, MW-16A (mg/l)



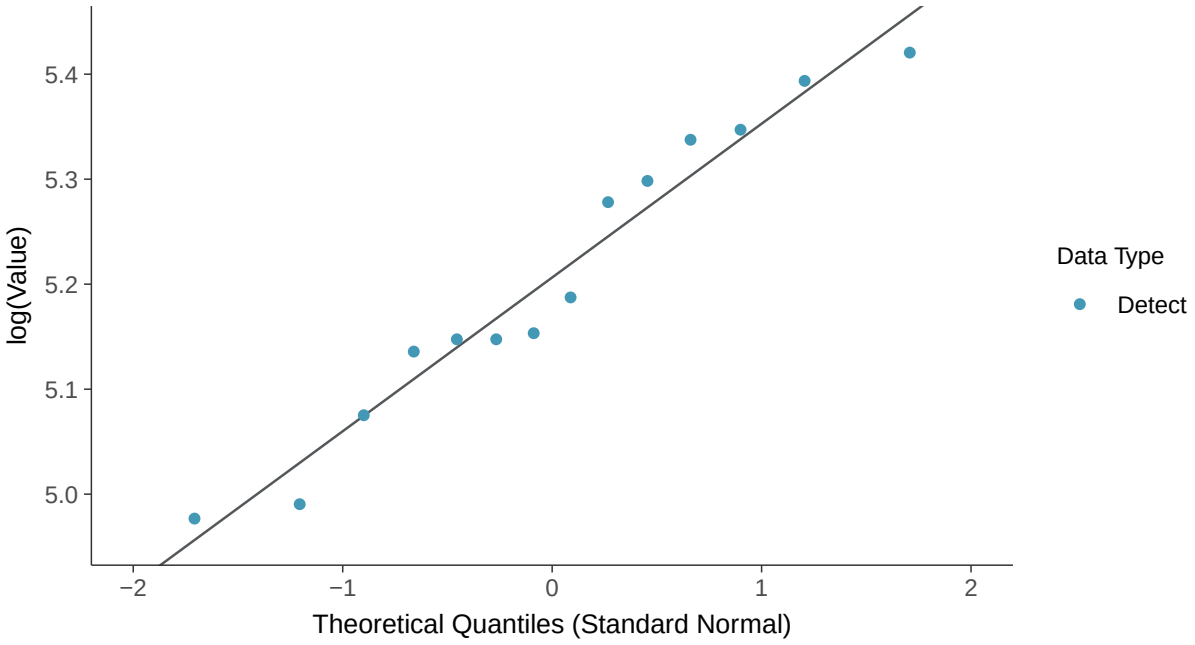
Normal Q-Q plot

Calcium, MW-16A (mg/l)



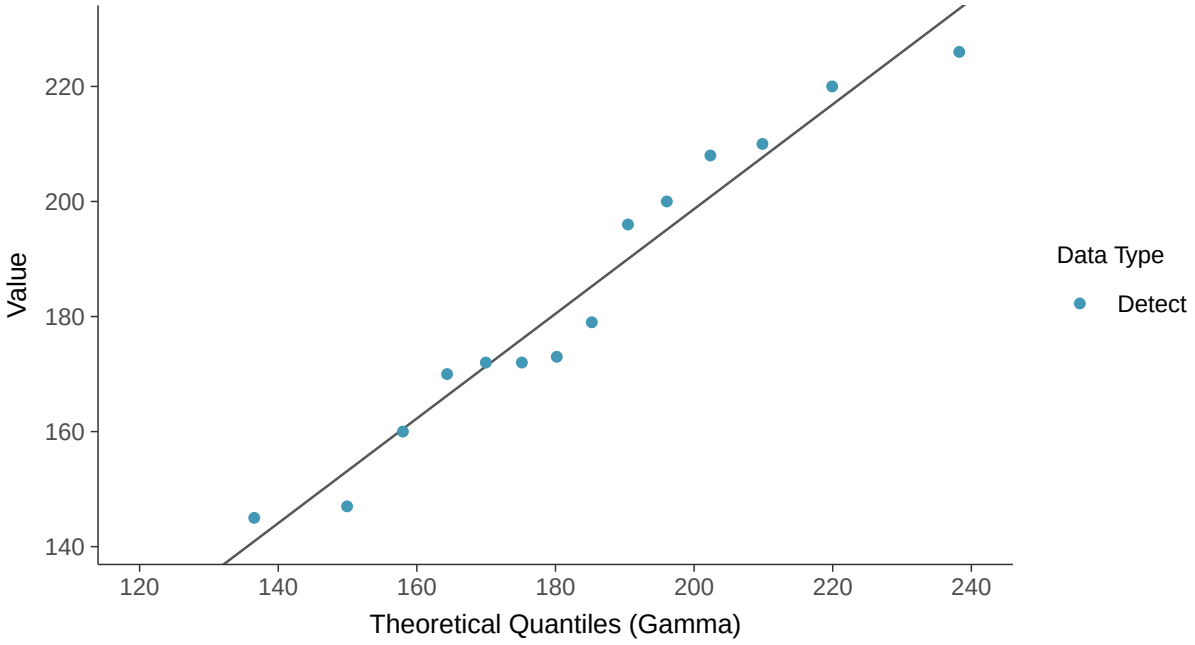
Lognormal Q-Q plot

Calcium, MW-16A (mg/l)



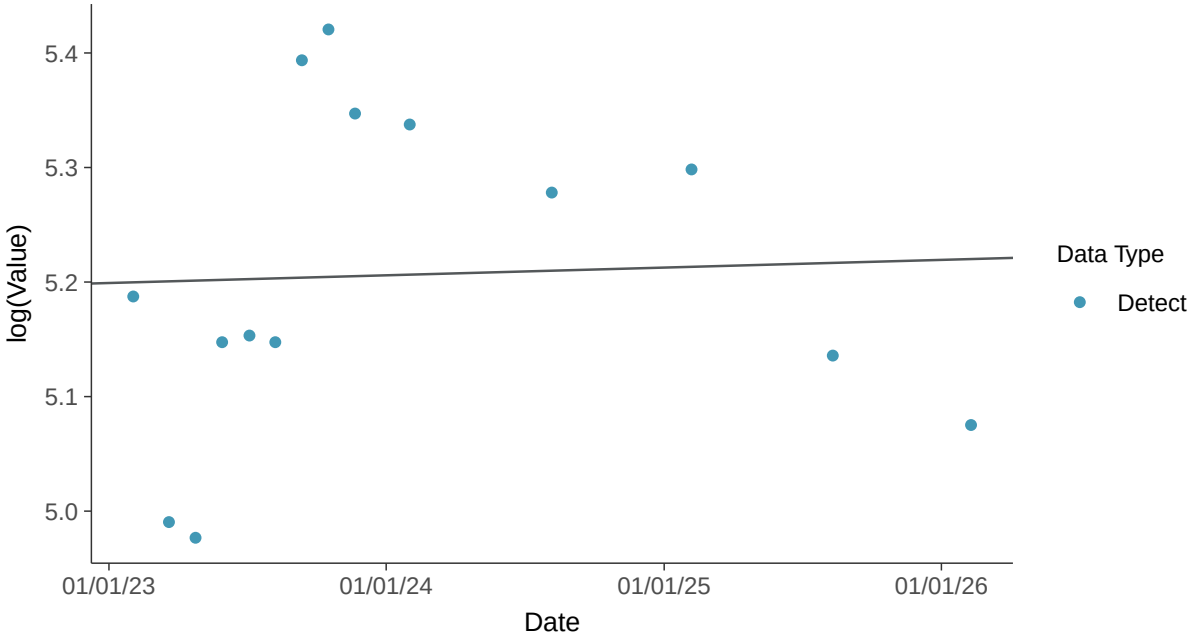
Gamma Q-Q plot

Calcium, MW-16A (mg/l)



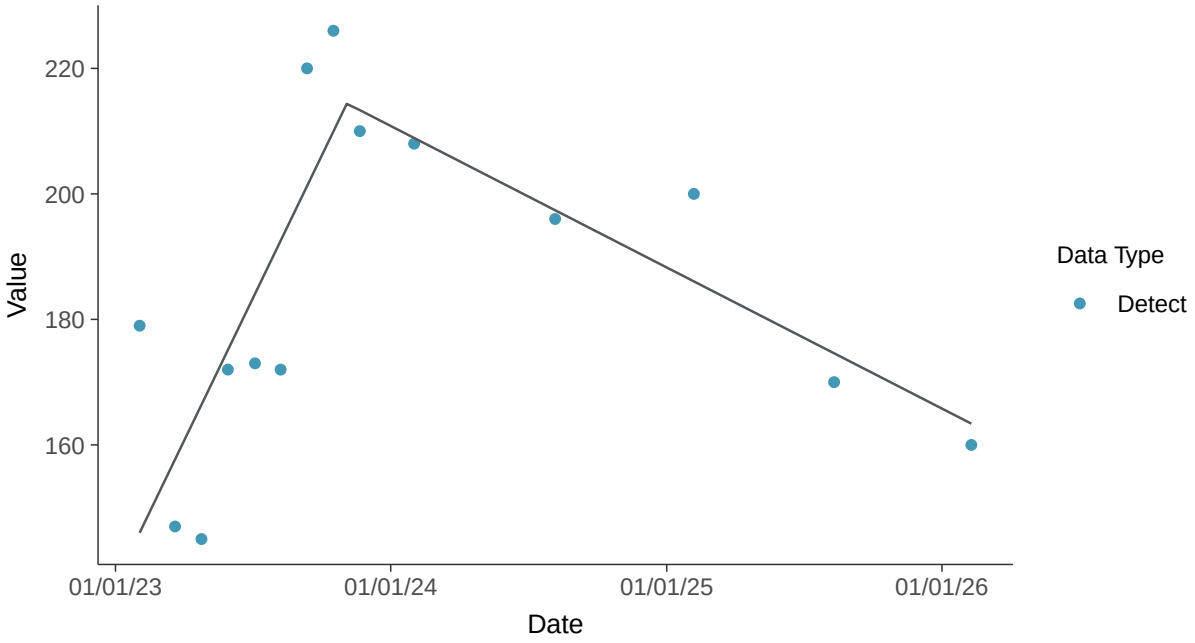
Trend Regression: Lognormal MLE

Calcium, MW-16A (mg/l)



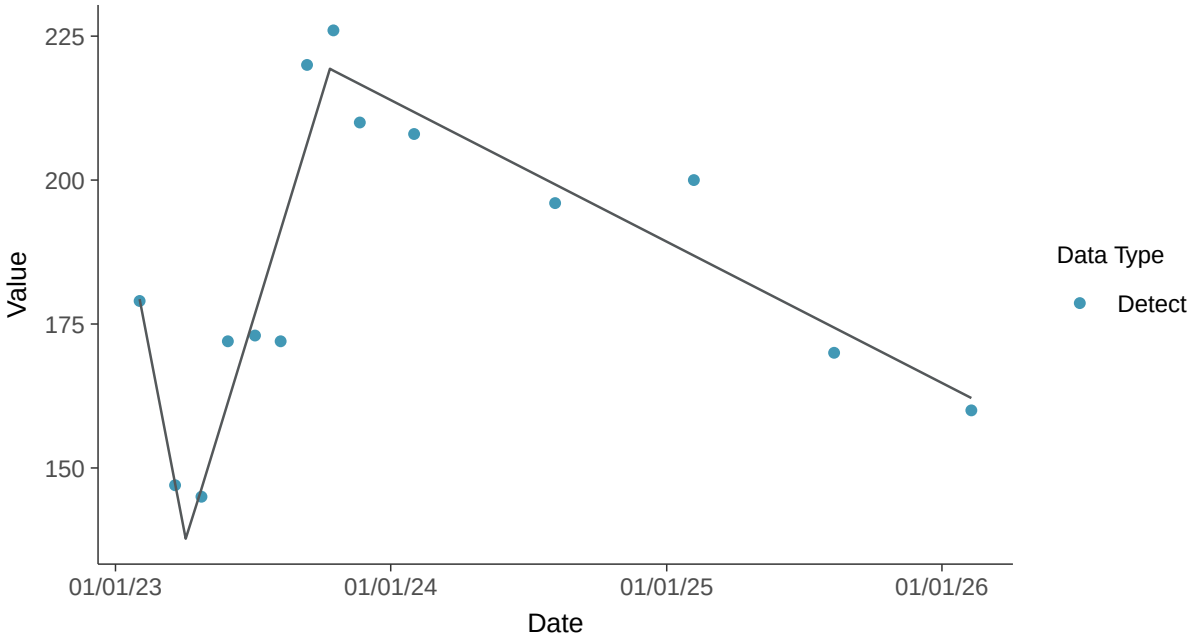
Trend Regression: Piecewise Linear-Linear

Calcium, MW-16A (mg/l)



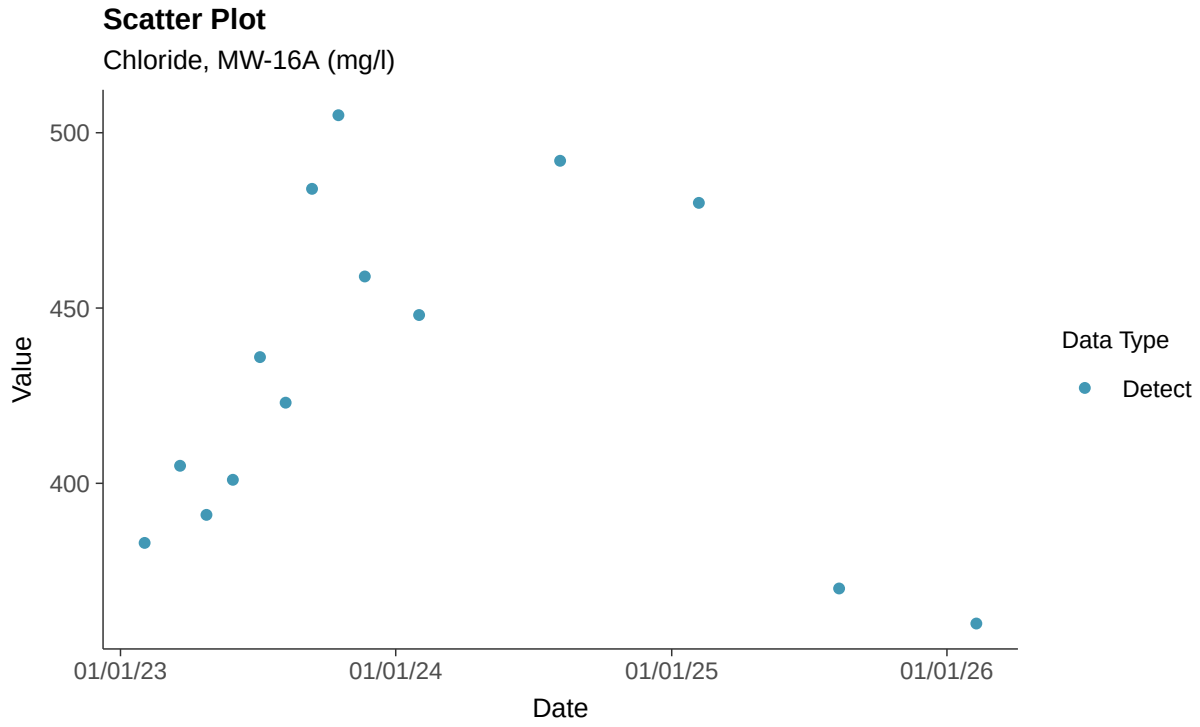
Trend Regression: Piecewise Linear-Linear-Linear

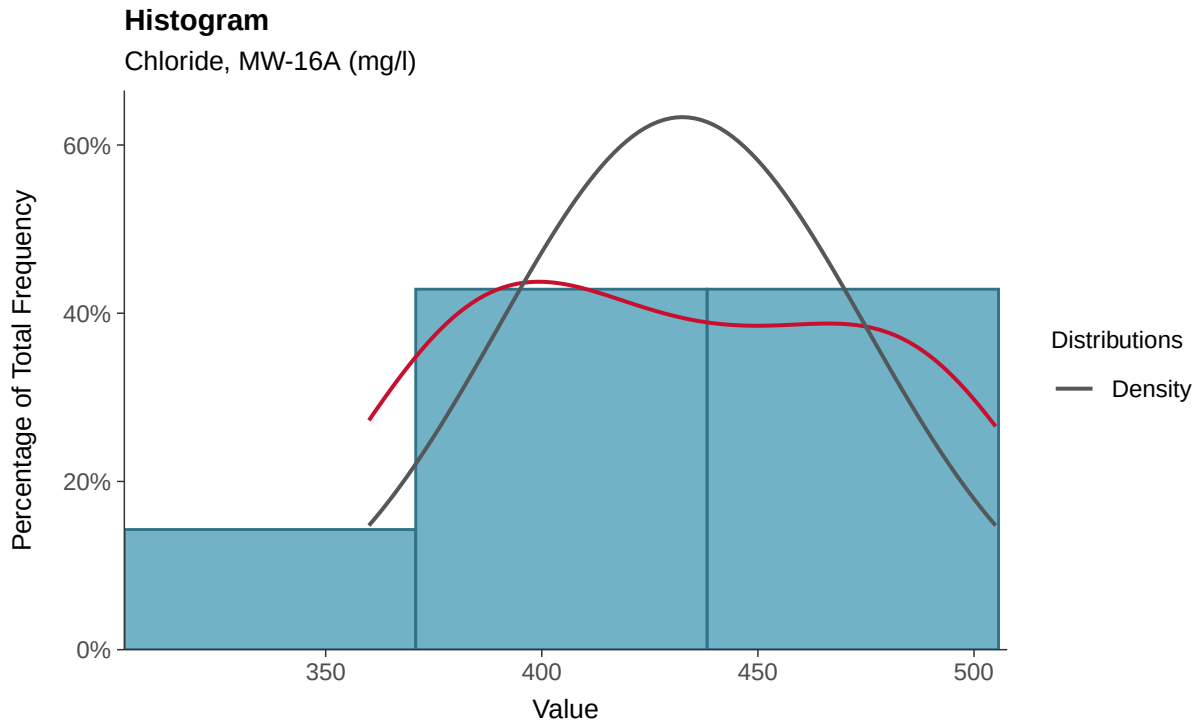
Calcium, MW-16A (mg/l)



Appendix III: Chloride, MW-16A

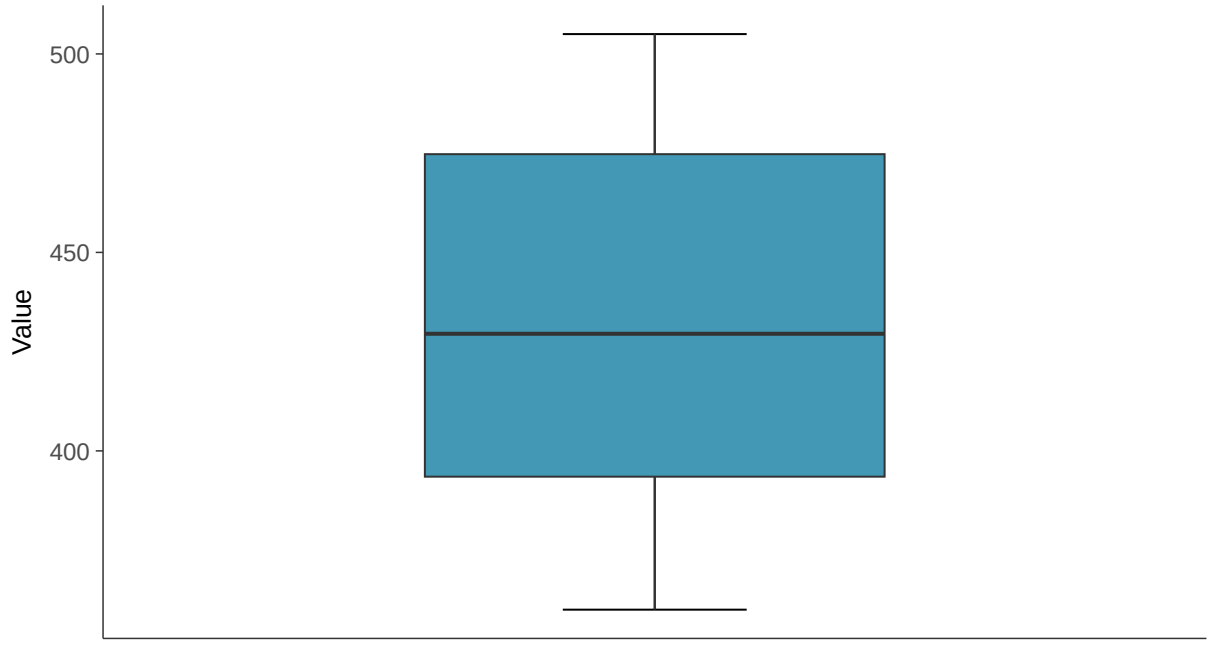
ID: 23_2_108





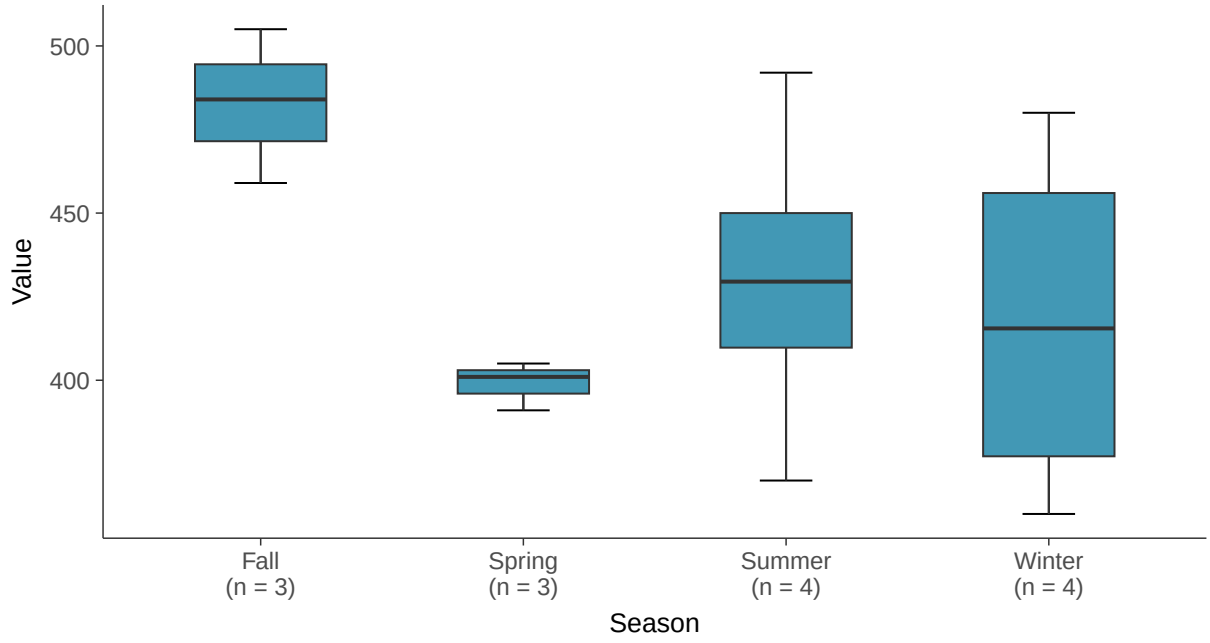
Boxplot

Chloride, MW-16A (mg/l)



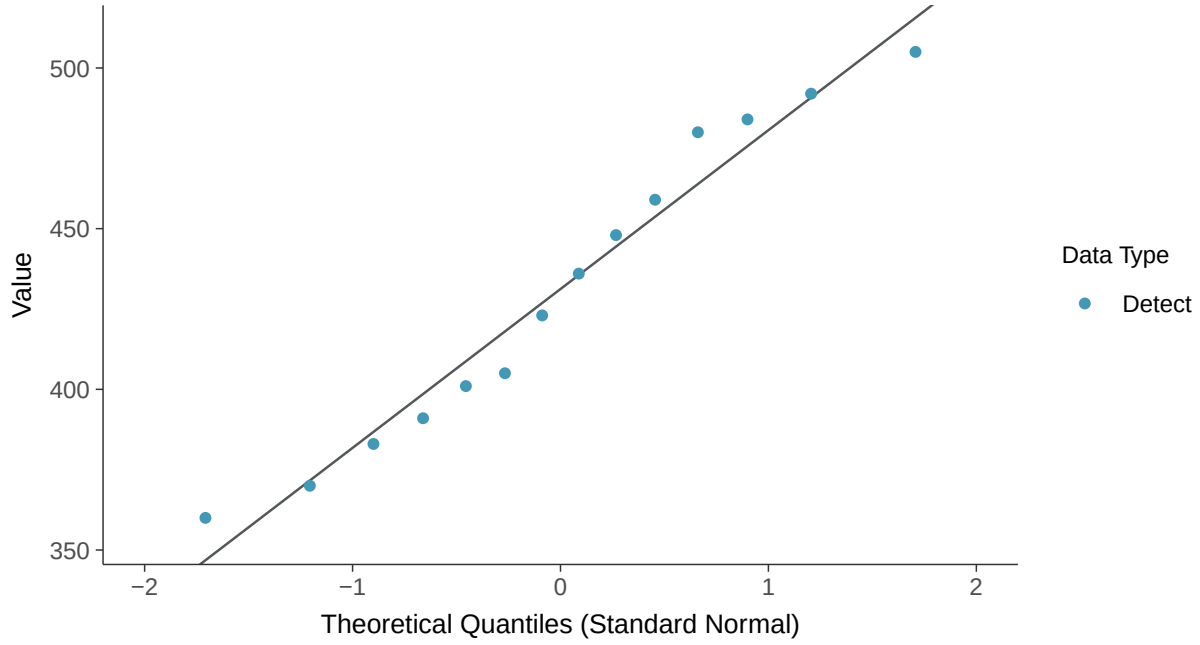
Boxplot by Season

Chloride, MW-16A (mg/l)



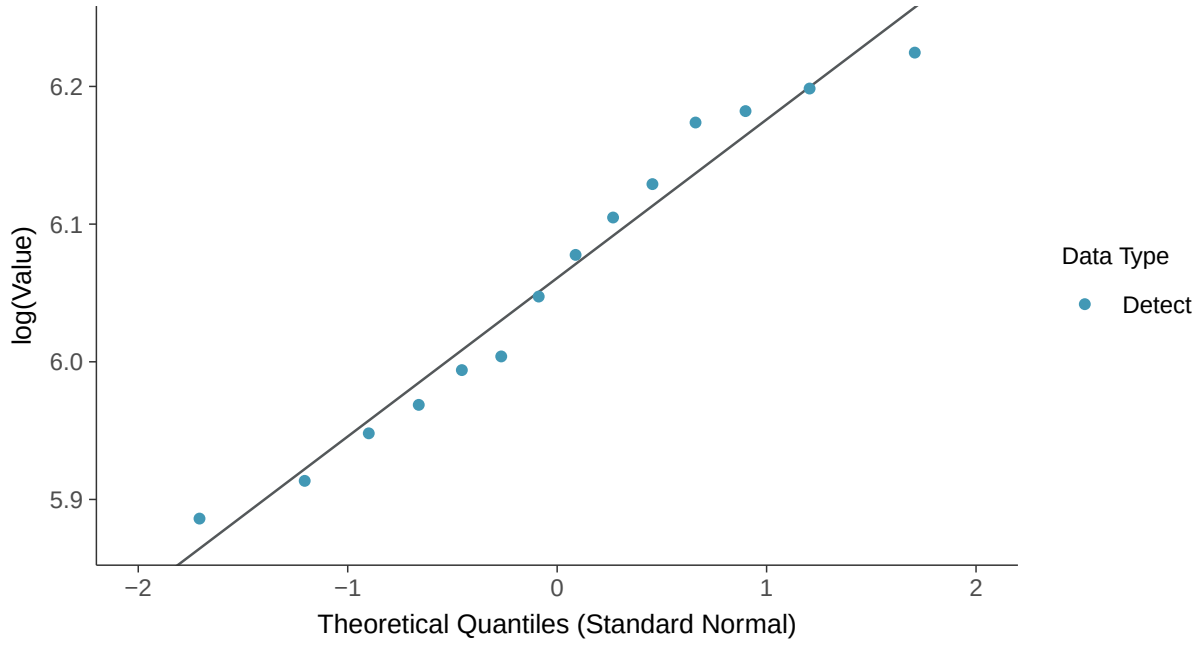
Normal Q-Q plot

Chloride, MW-16A (mg/l)



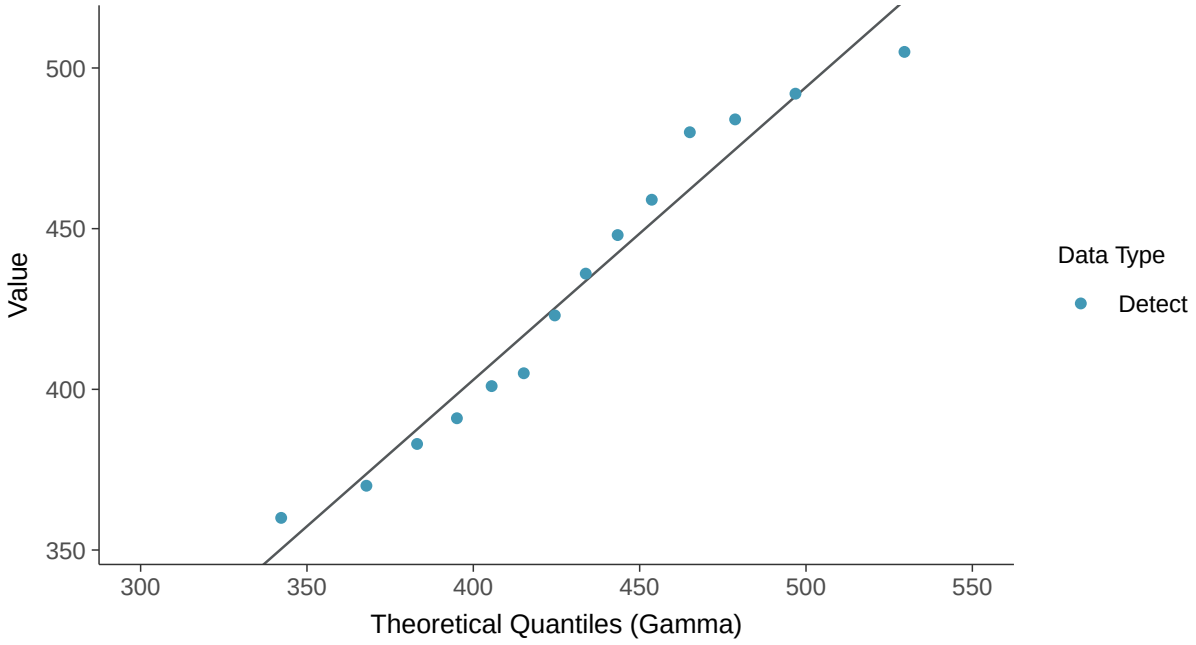
Lognormal Q-Q plot

Chloride, MW-16A (mg/l)



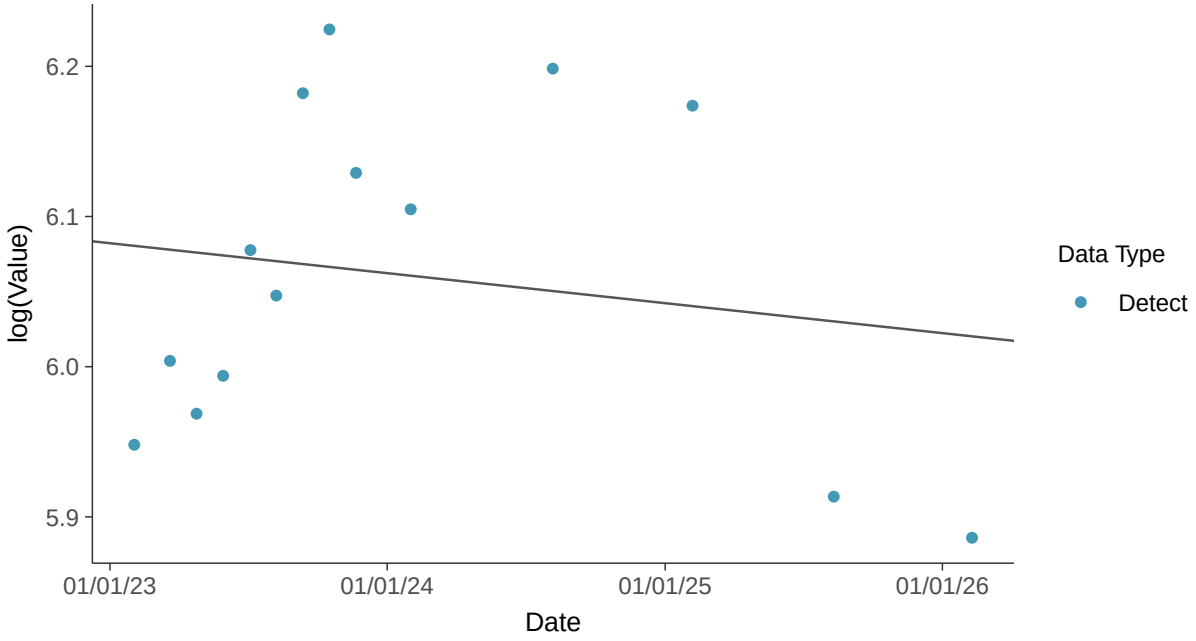
Gamma Q-Q plot

Chloride, MW-16A (mg/l)



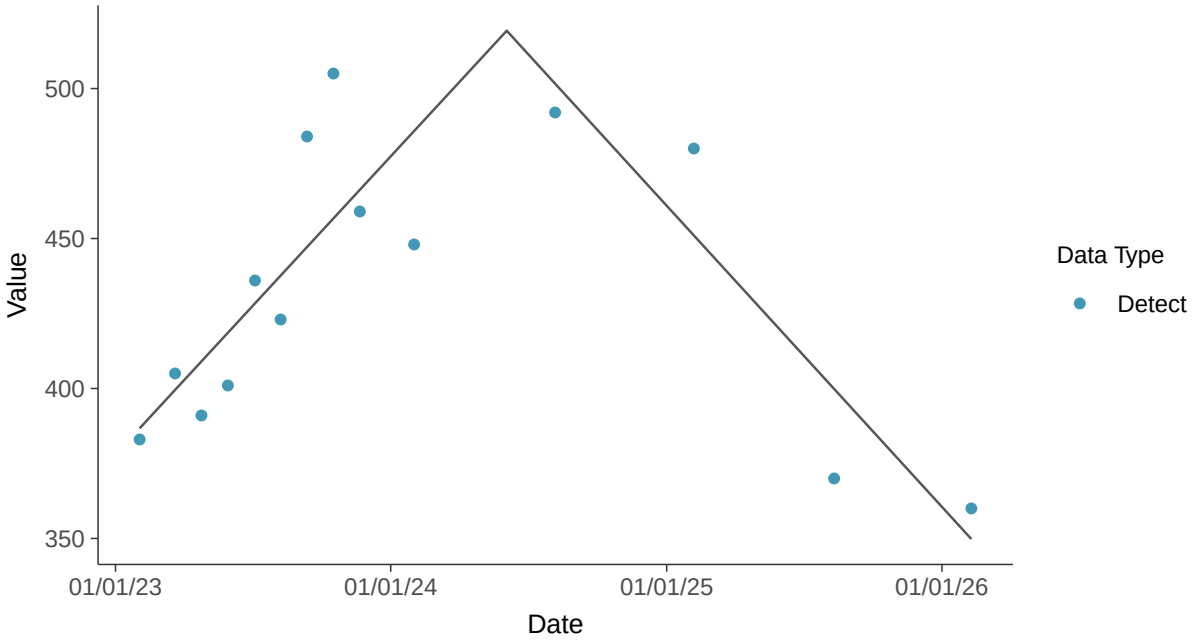
Trend Regression: Lognormal MLE

Chloride, MW-16A (mg/l)



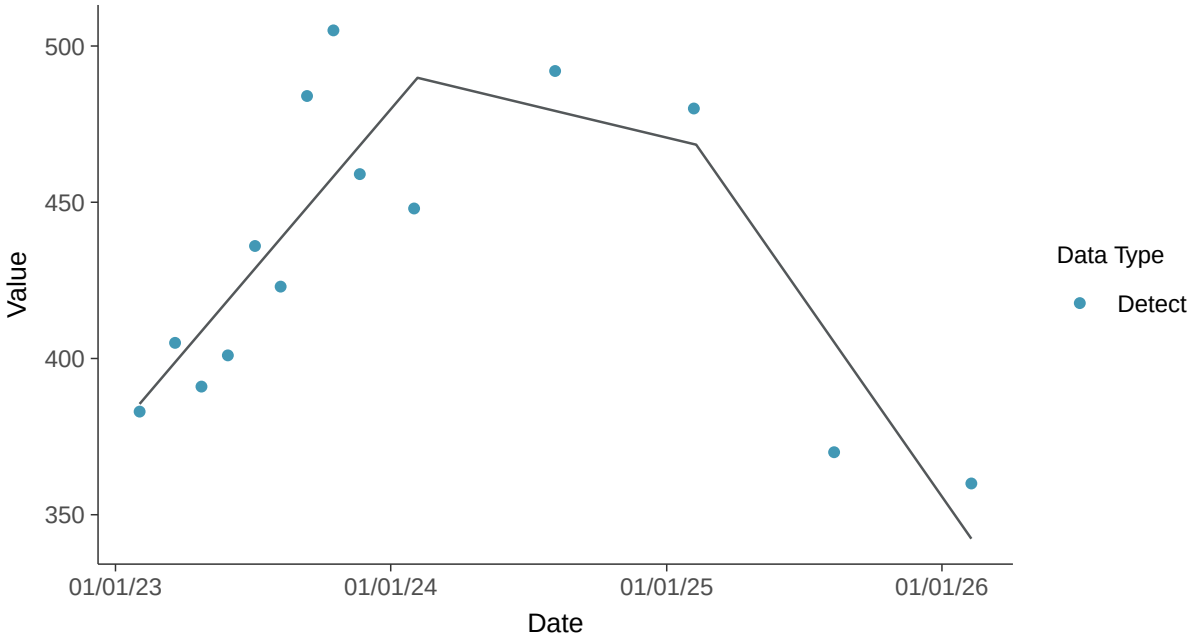
Trend Regression: Piecewise Linear-Linear

Chloride, MW-16A (mg/l)



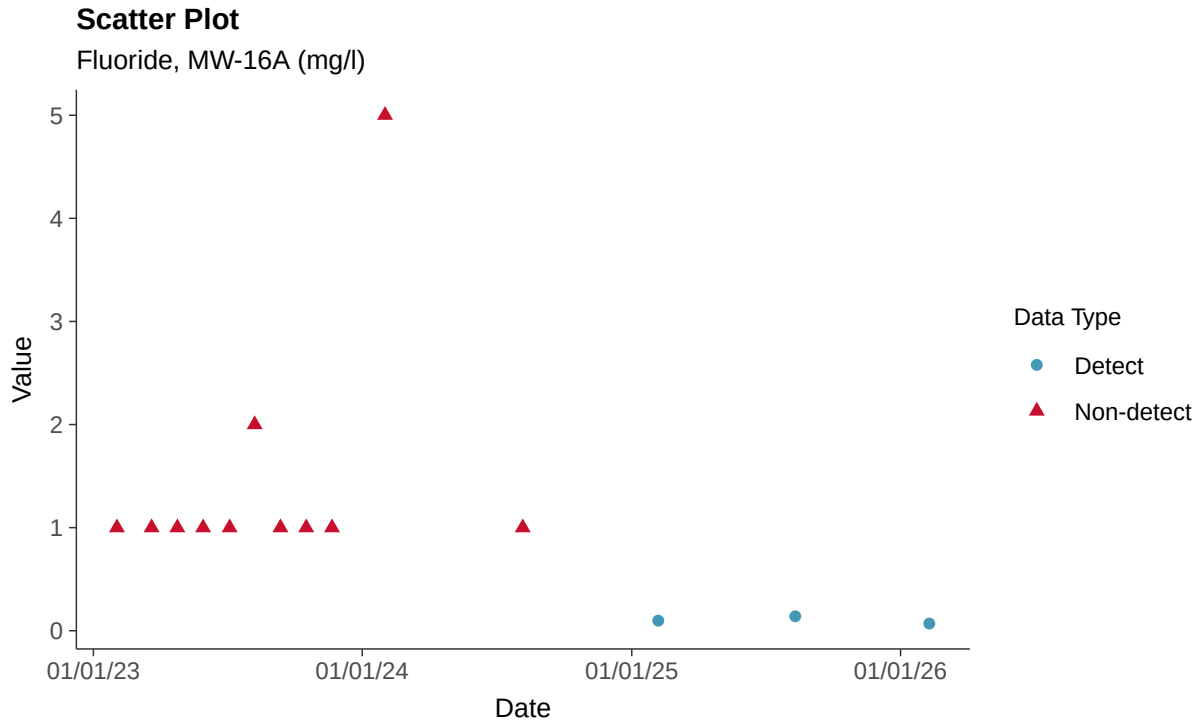
Trend Regression: Piecewise Linear-Linear-Linear

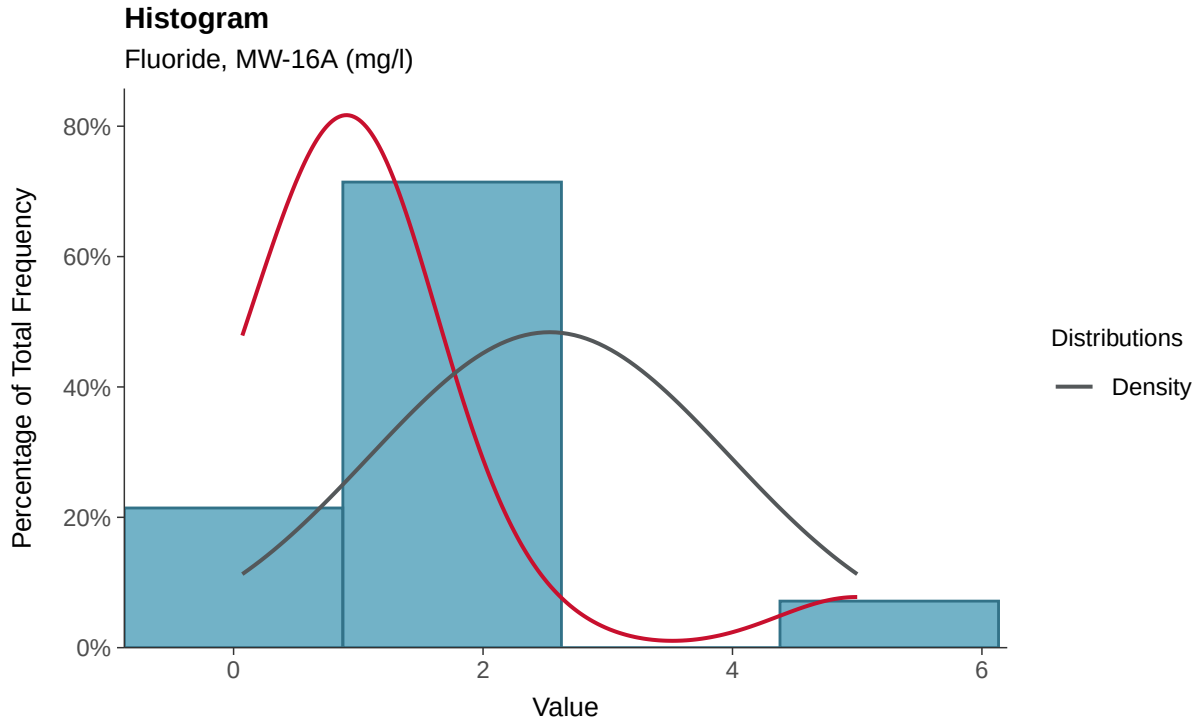
Chloride, MW-16A (mg/l)



Appendix III: Fluoride, MW-16A

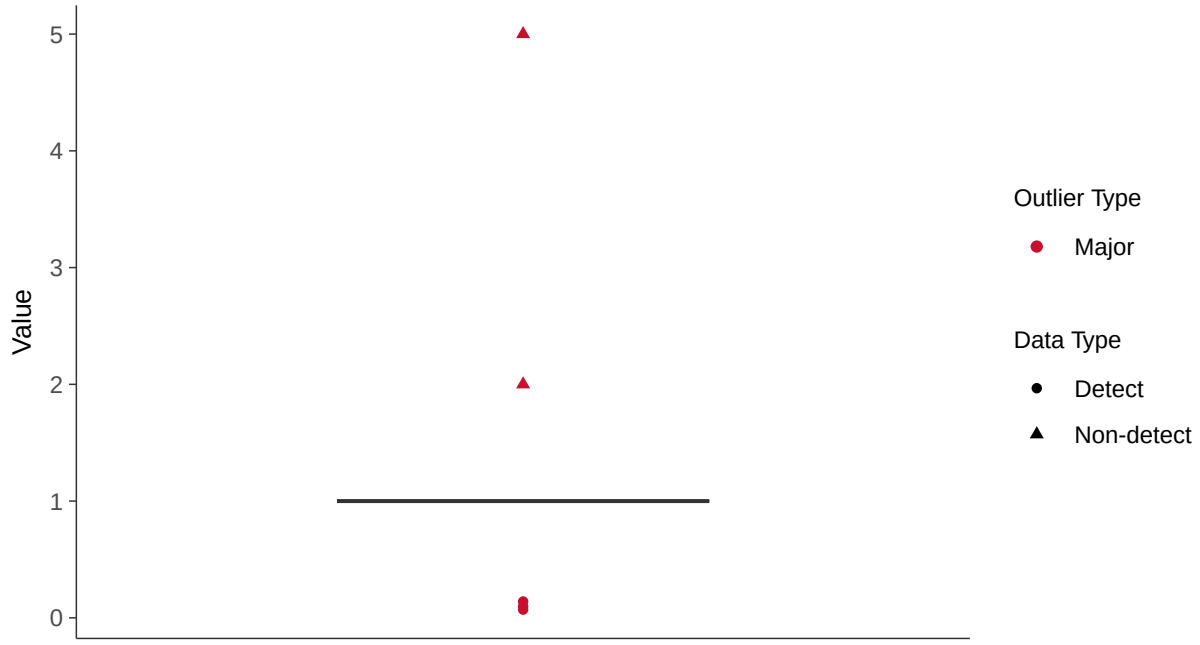
ID: 23_2_112





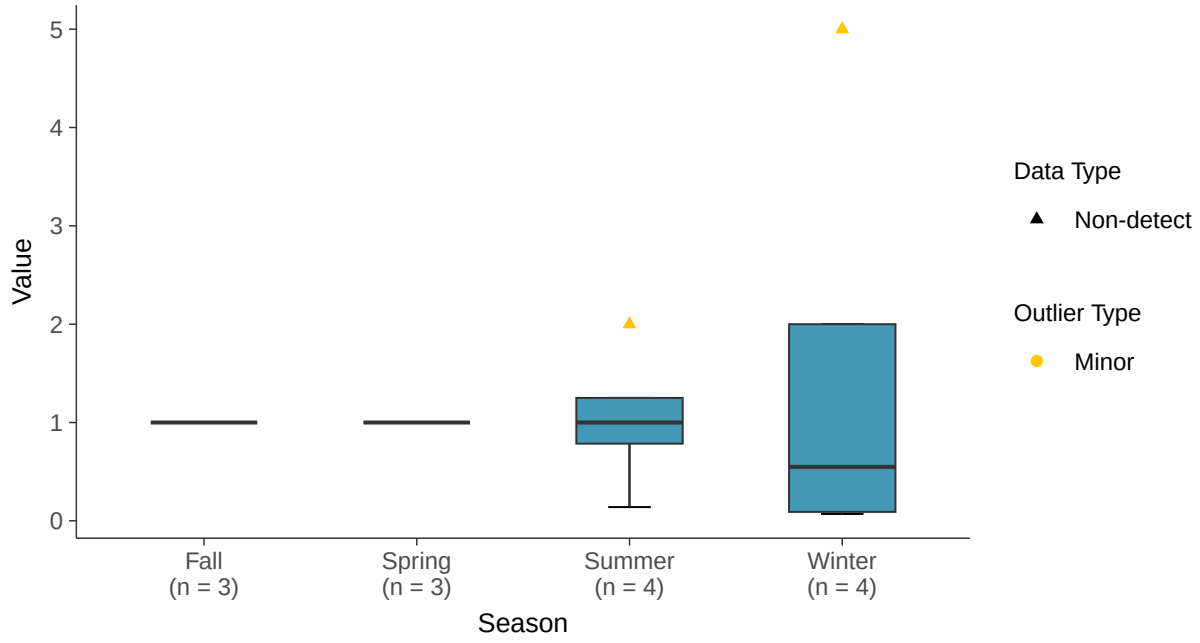
Boxplot

Fluoride, MW-16A (mg/l)



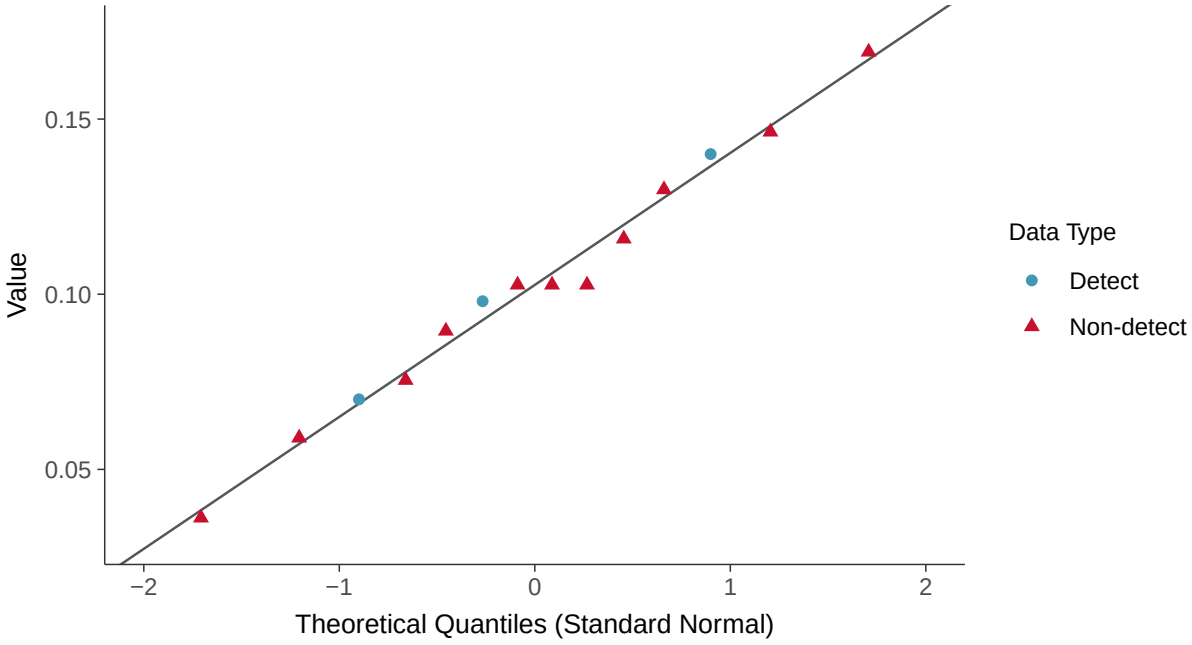
Boxplot by Season

Fluoride, MW-16A (mg/l)



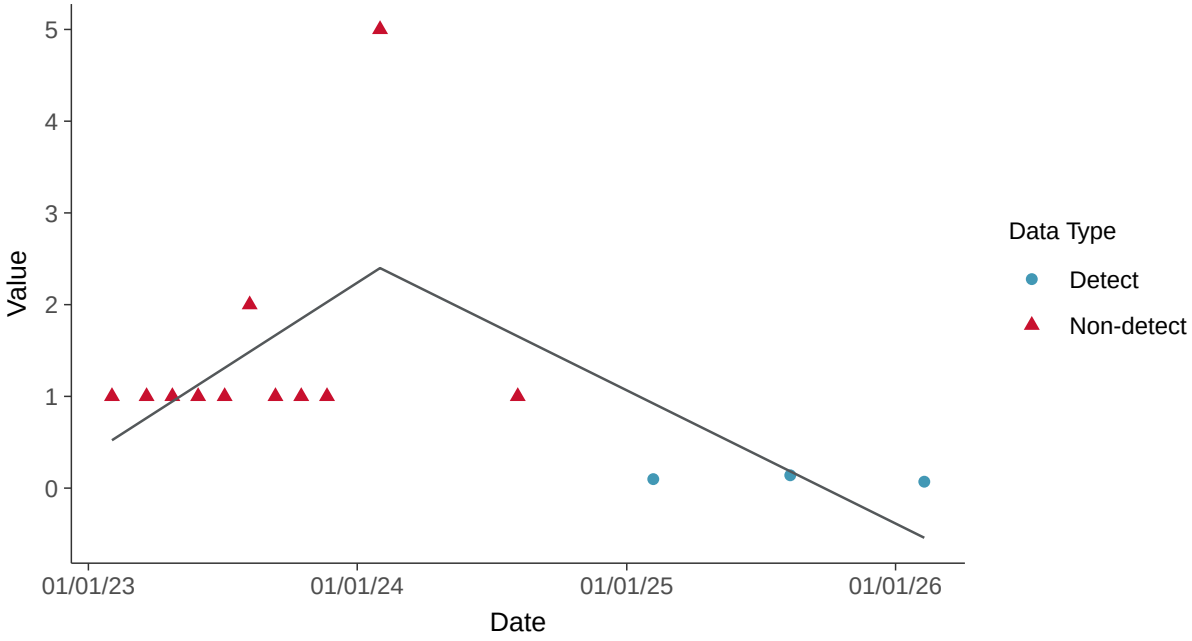
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-16A (mg/l)



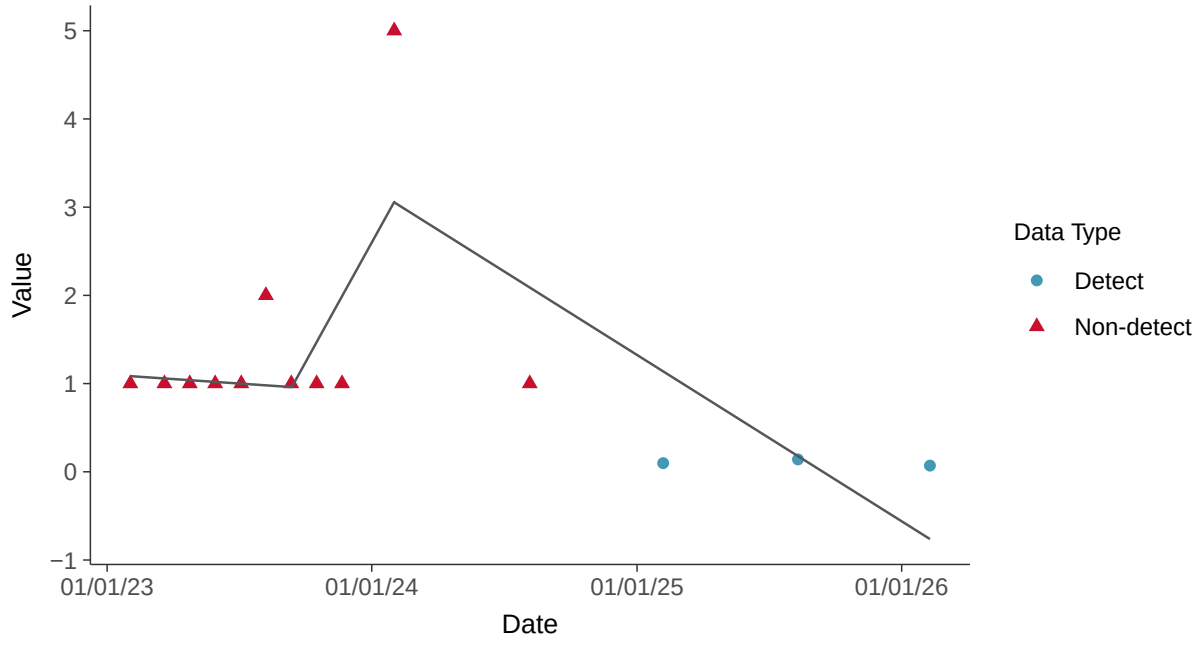
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-16A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Fluoride, MW-16A (mg/l)

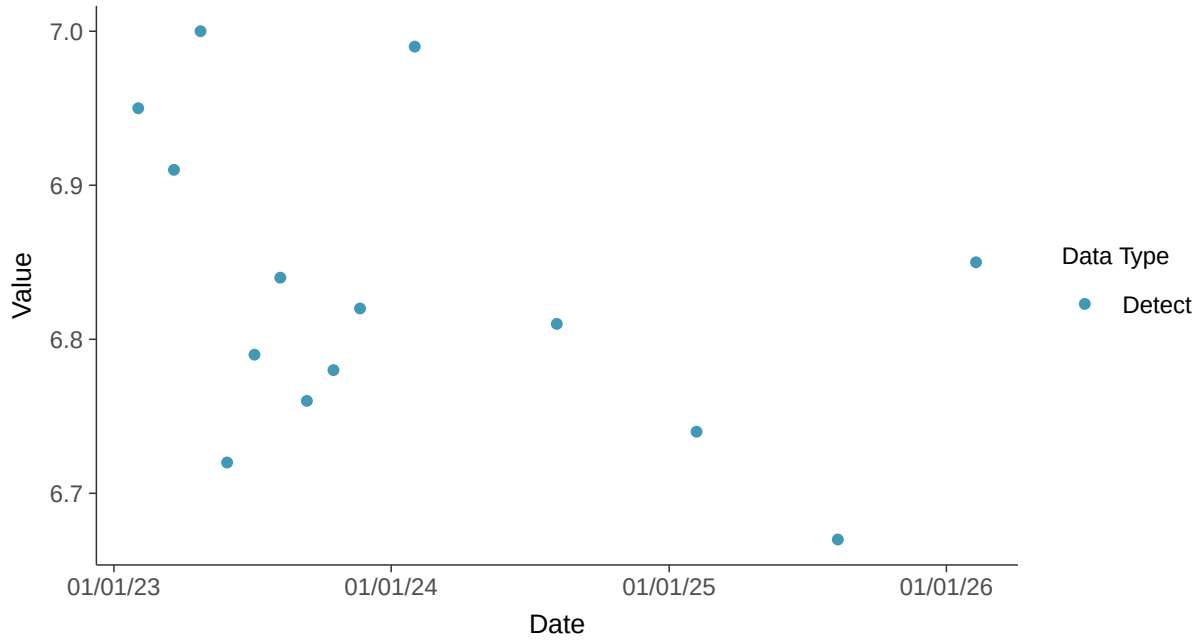


Appendix III: pH, Field, MW-16A

ID: 23_2_120

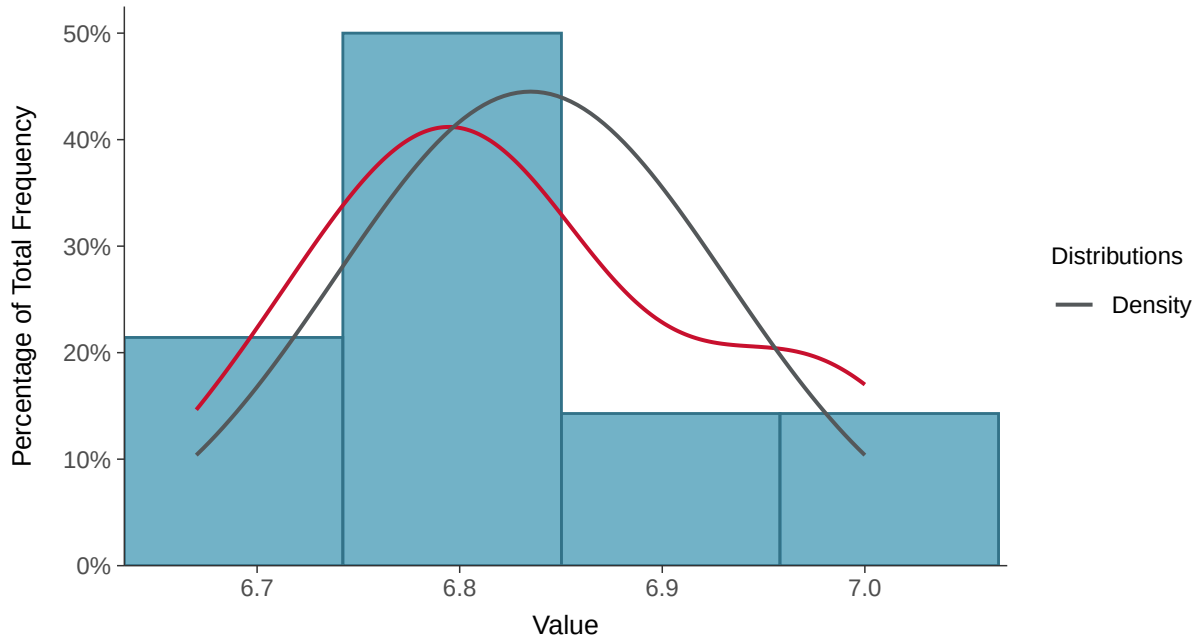
Scatter Plot

pH, Field, MW-16A (su)



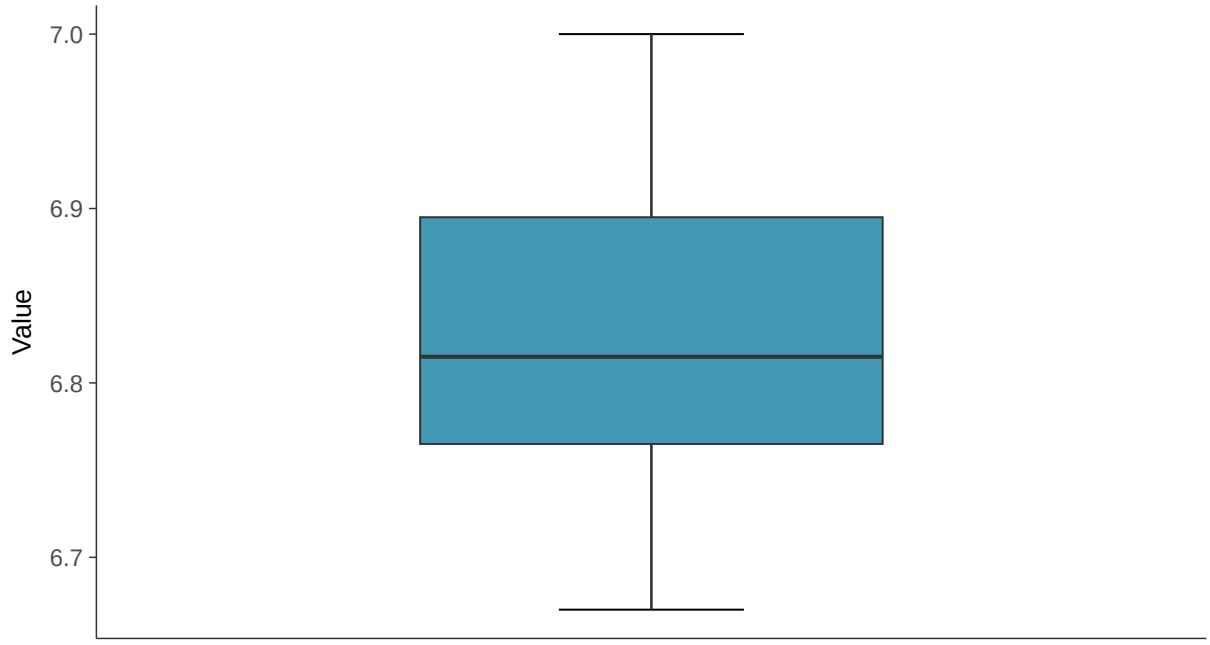
Histogram

pH, Field, MW-16A (su)



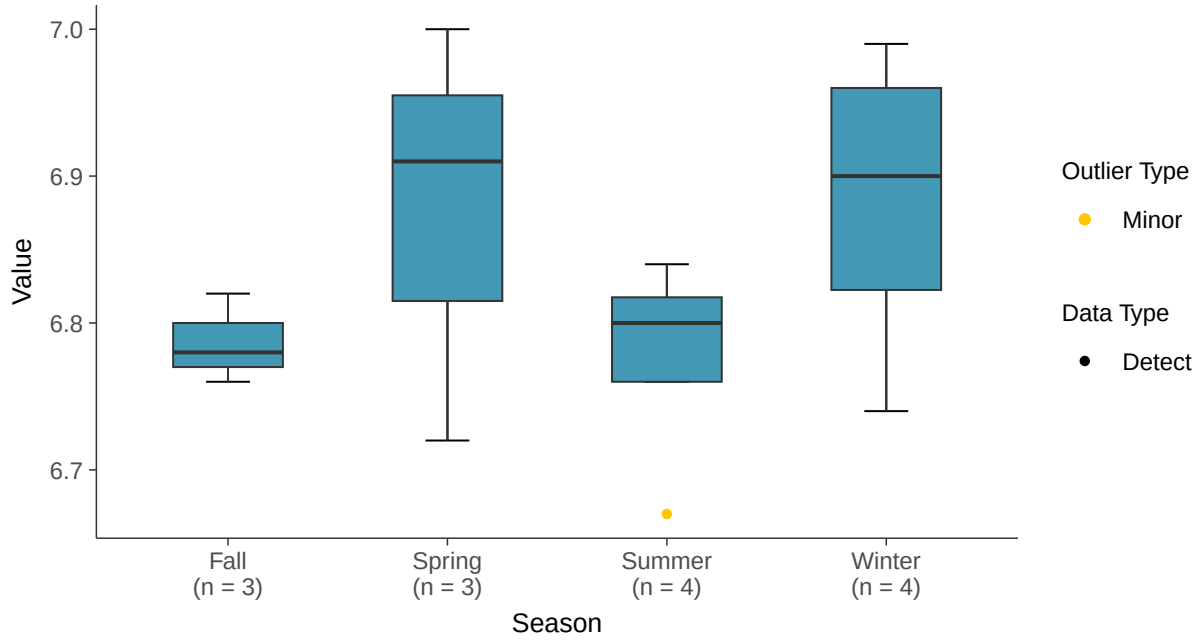
Boxplot

pH, Field, MW-16A (su)



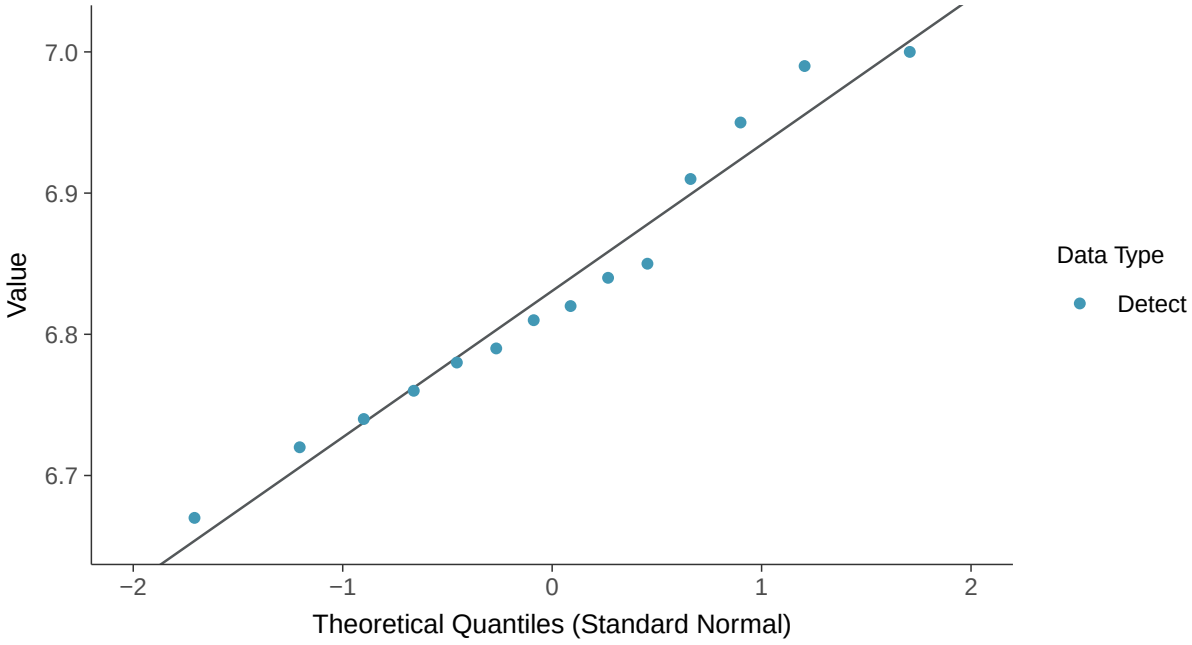
Boxplot by Season

pH, Field, MW-16A (su)



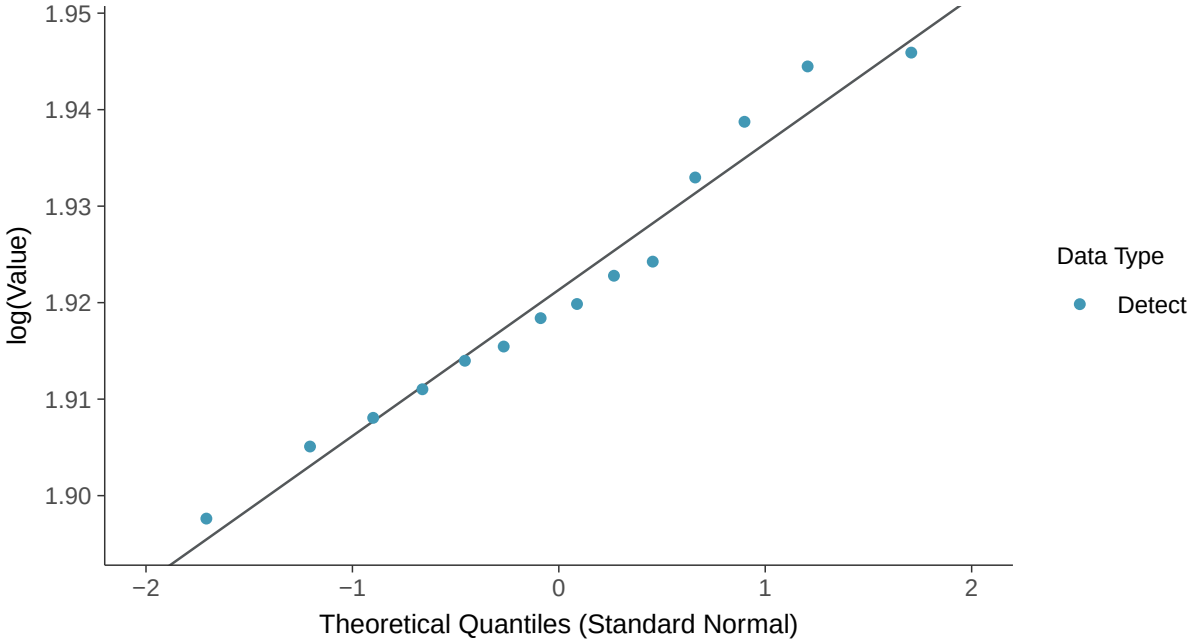
Normal Q-Q plot

pH, Field, MW-16A (su)



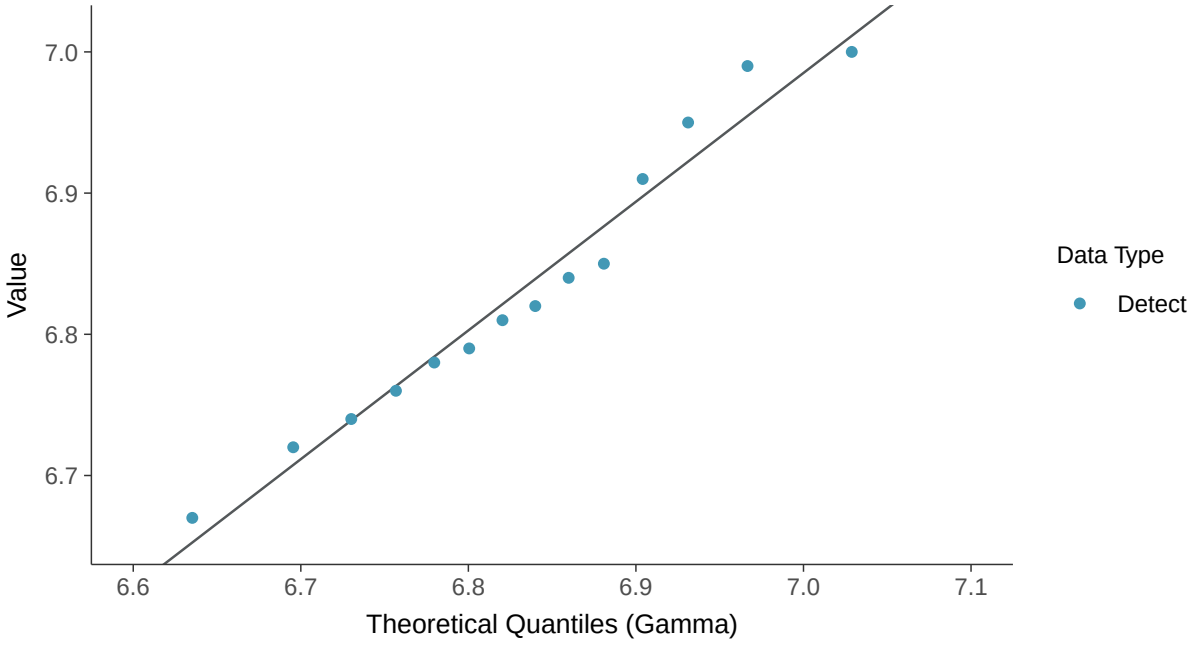
Lognormal Q-Q plot

pH, Field, MW-16A (su)



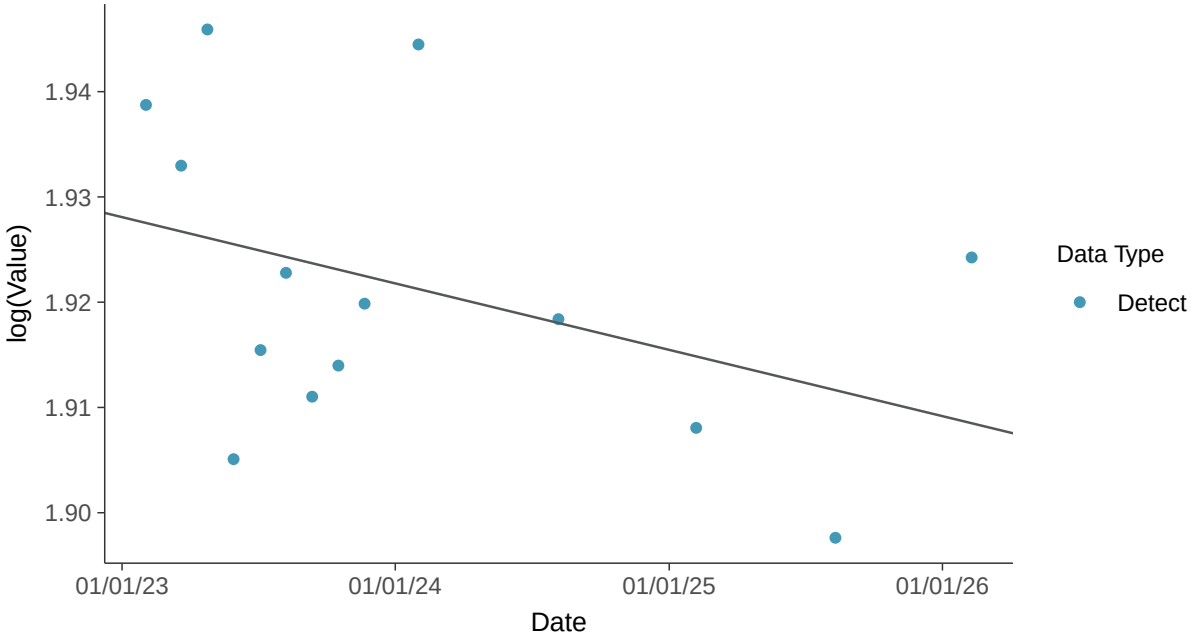
Gamma Q-Q plot

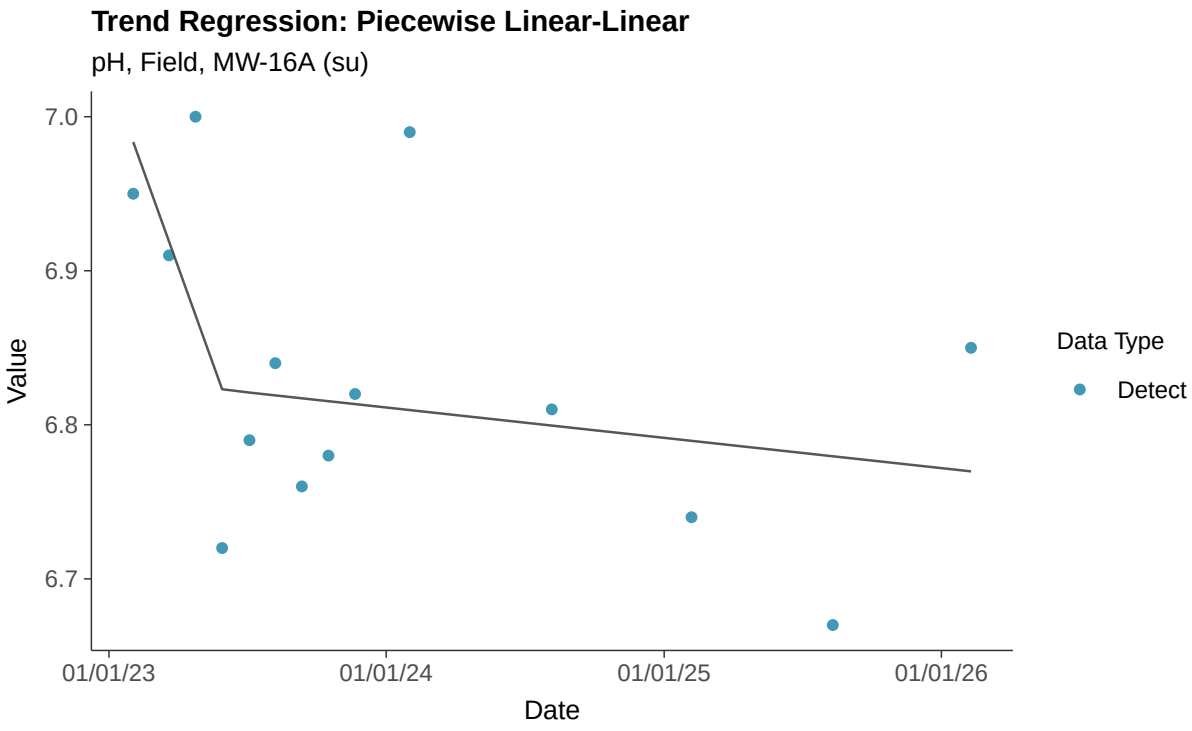
pH, Field, MW-16A (su)



Trend Regression: Lognormal MLE

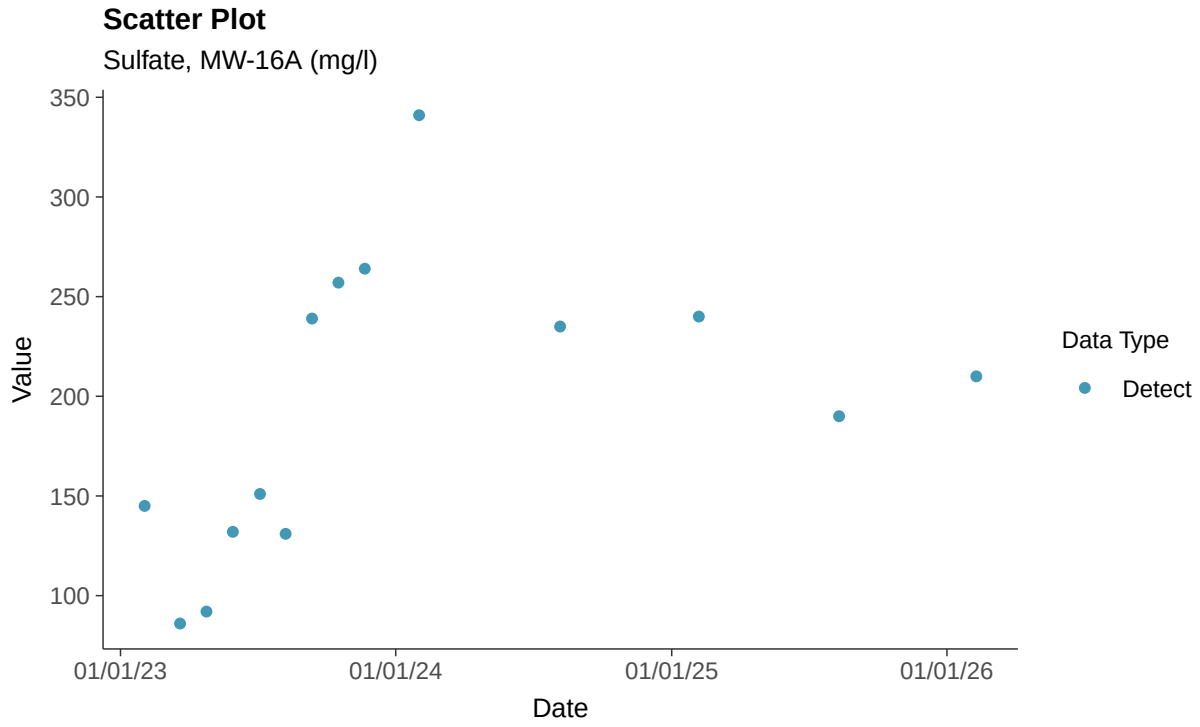
pH, Field, MW-16A (su)

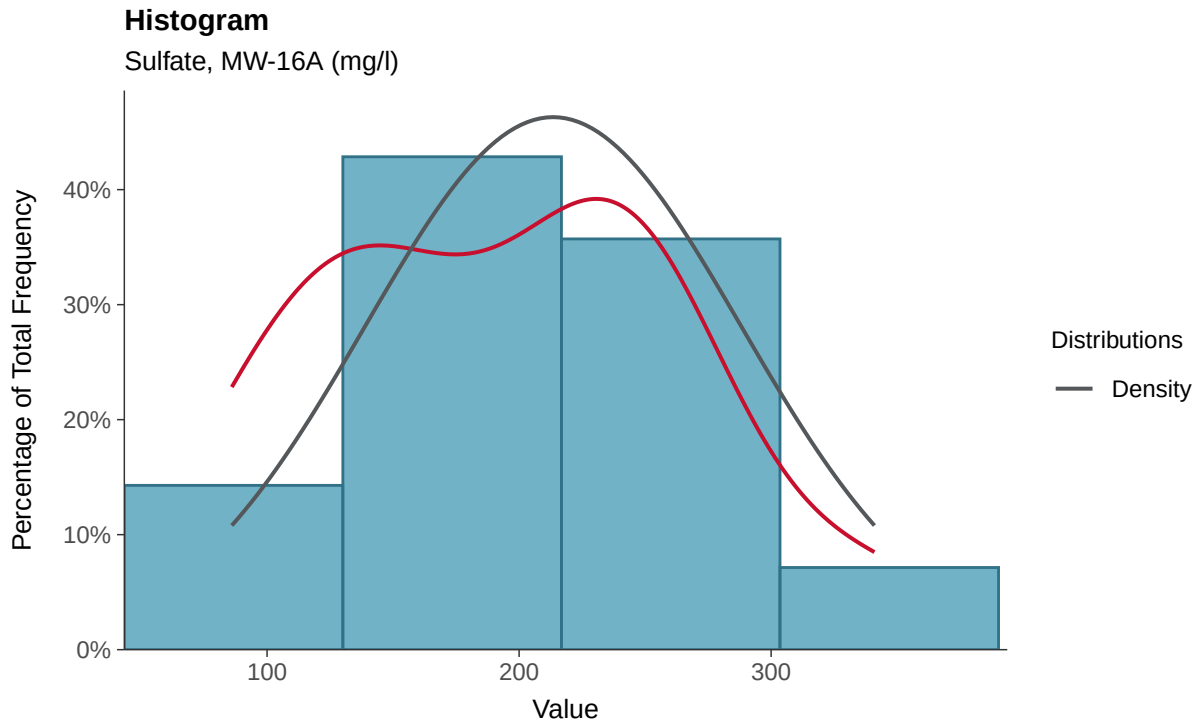



Trend Regression: Piecewise Linear-Linear
pH, Field, MW-16A (su)
7.0
6.9
6.8
6.7
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Sulfate, MW-16A

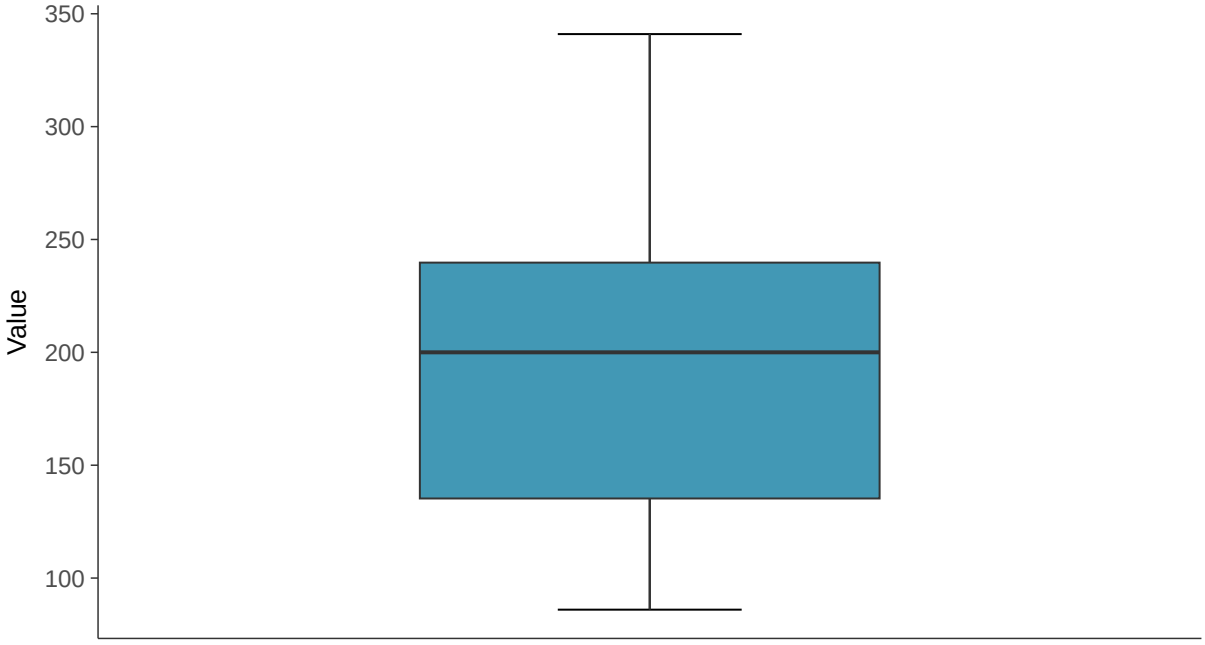
ID: 23_2_124





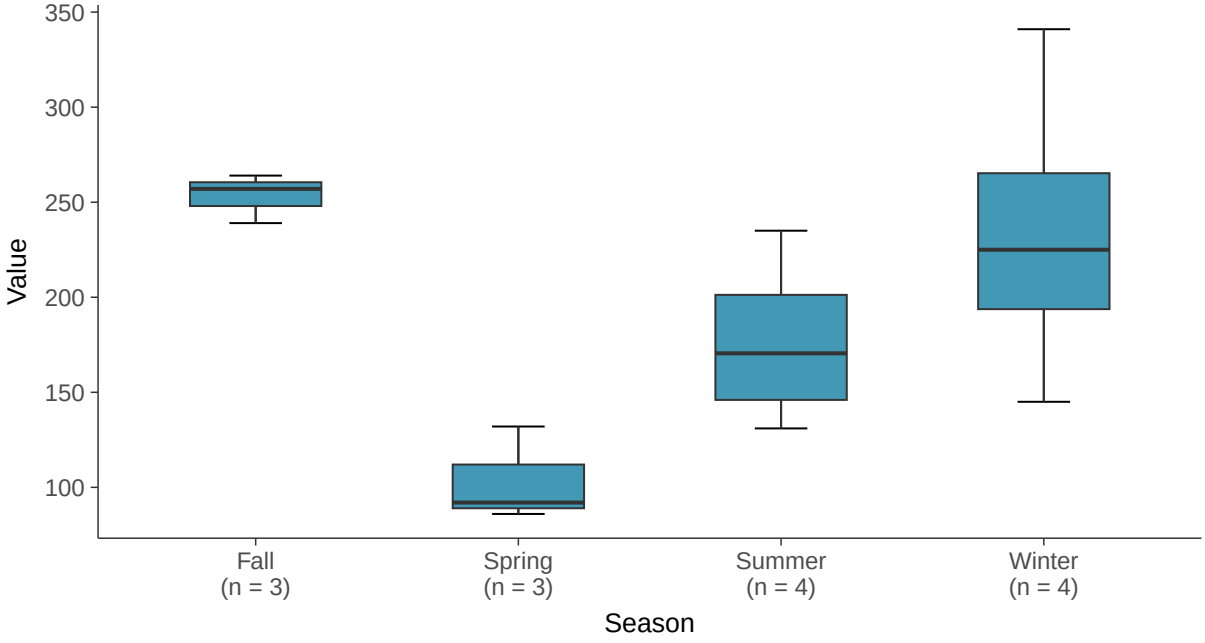
Boxplot

Sulfate, MW-16A (mg/l)



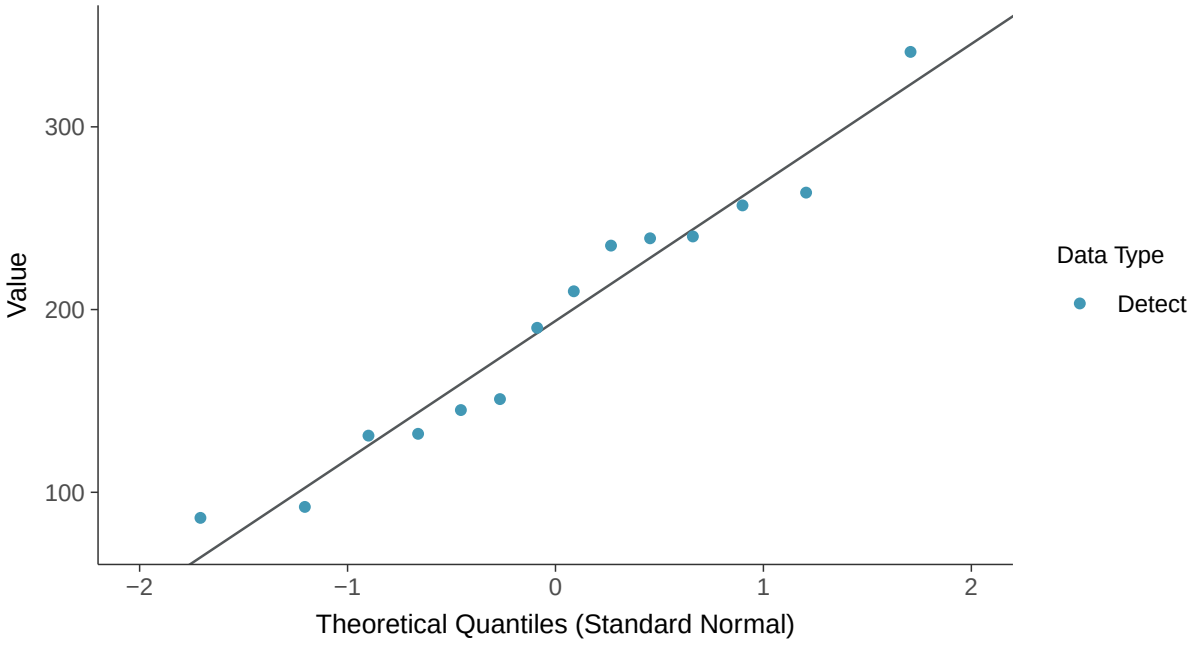
Boxplot by Season

Sulfate, MW-16A (mg/l)



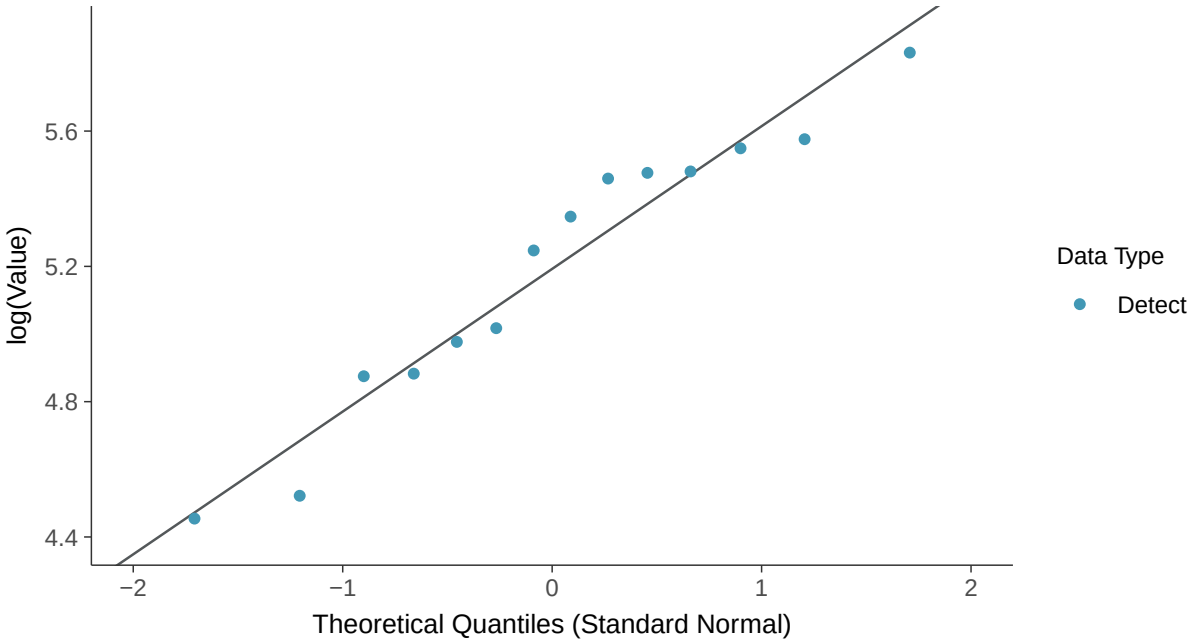
Normal Q-Q plot

Sulfate, MW-16A (mg/l)



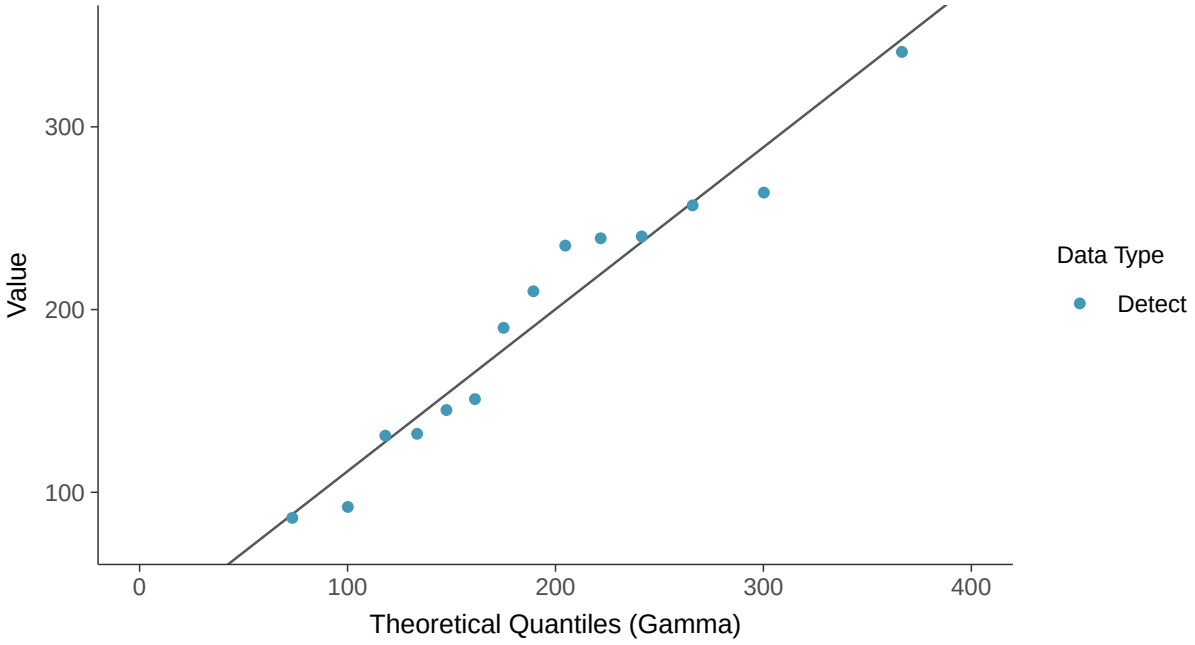
Lognormal Q-Q plot

Sulfate, MW-16A (mg/l)



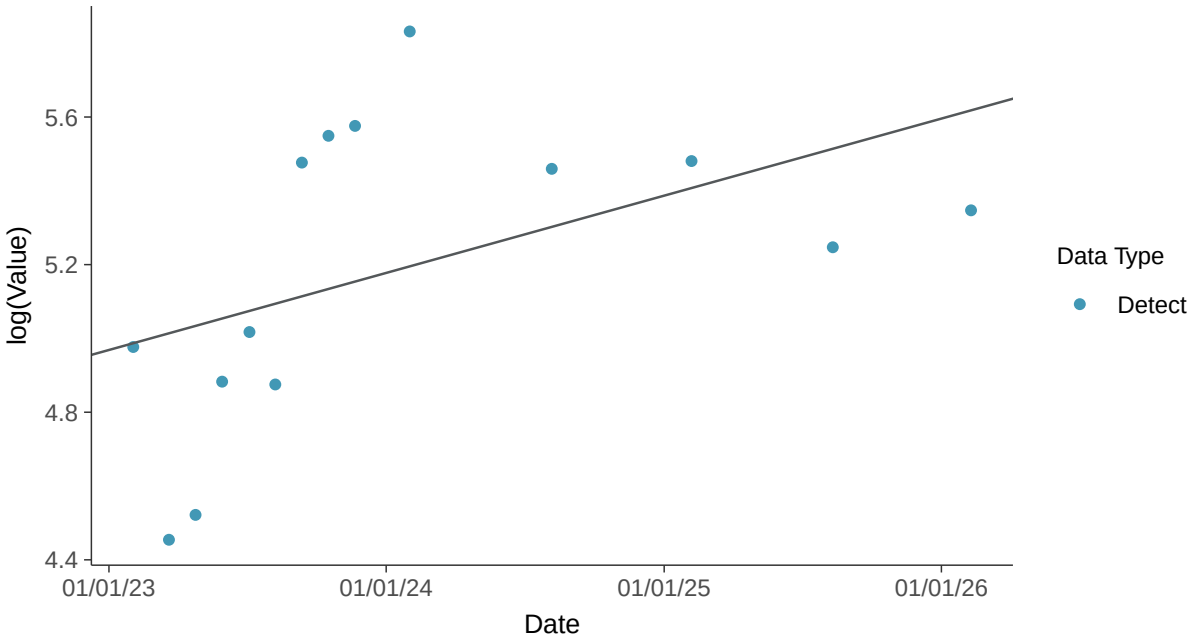
Gamma Q-Q plot

Sulfate, MW-16A (mg/l)



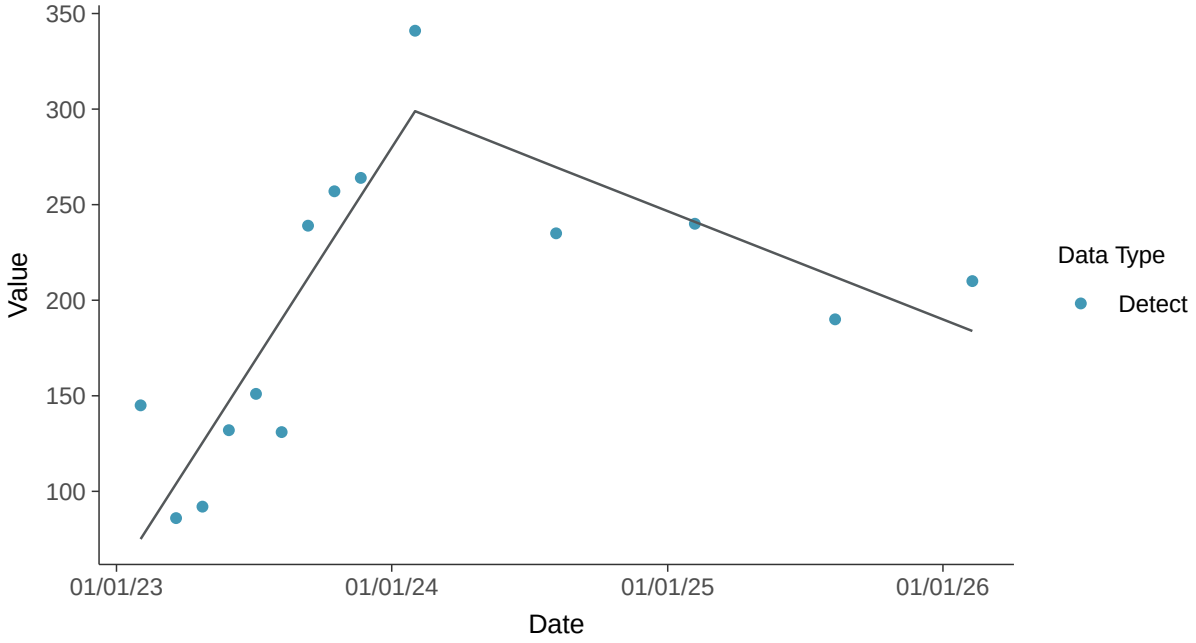
Trend Regression: Lognormal MLE

Sulfate, MW-16A (mg/l)



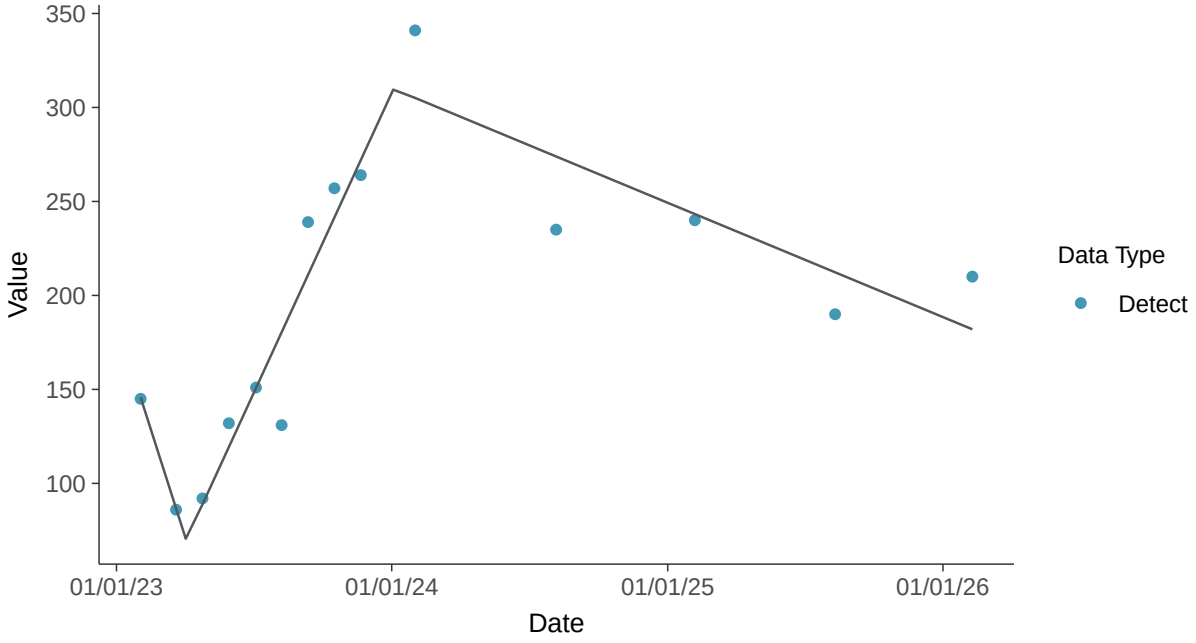
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-16A (mg/l)



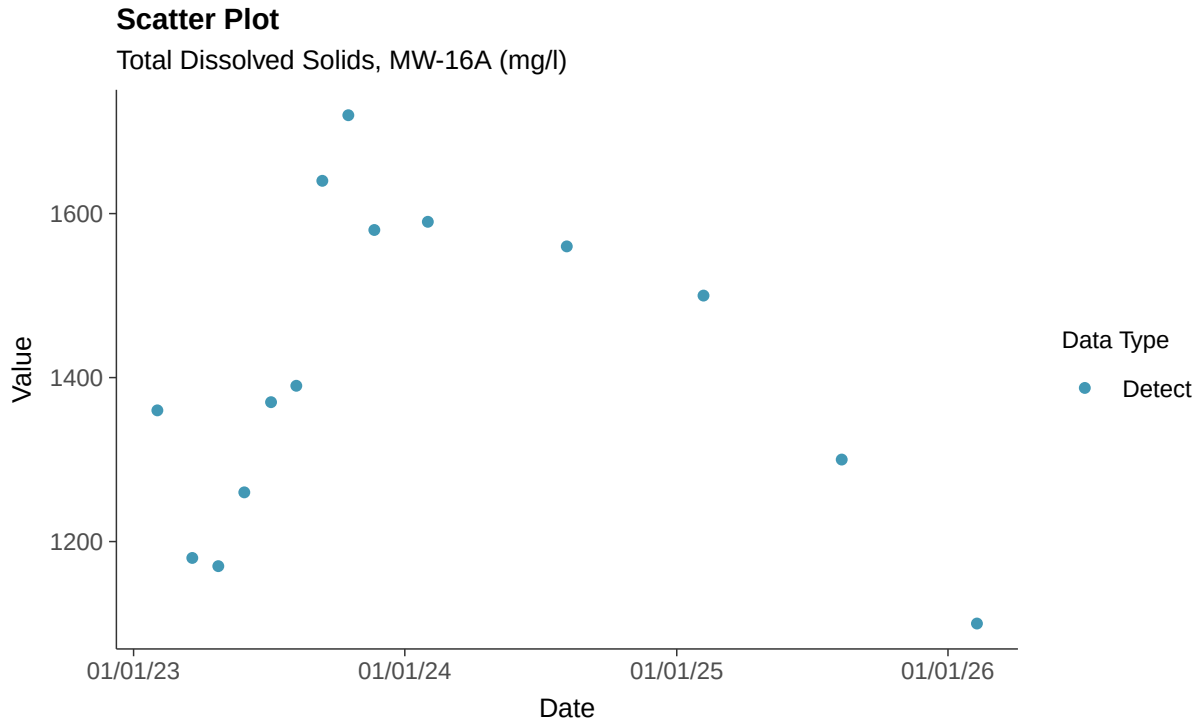
Trend Regression: Piecewise Linear-Linear-Linear

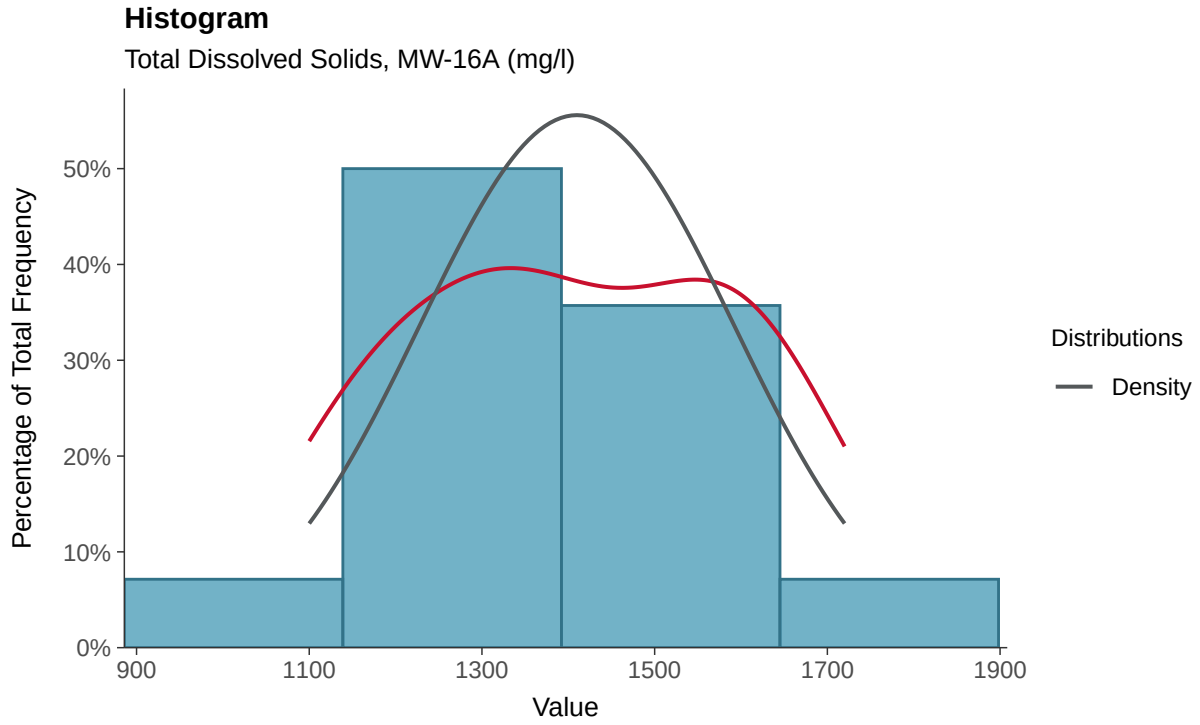
Sulfate, MW-16A (mg/l)



Appendix III: Total Dissolved Solids, MW-16A

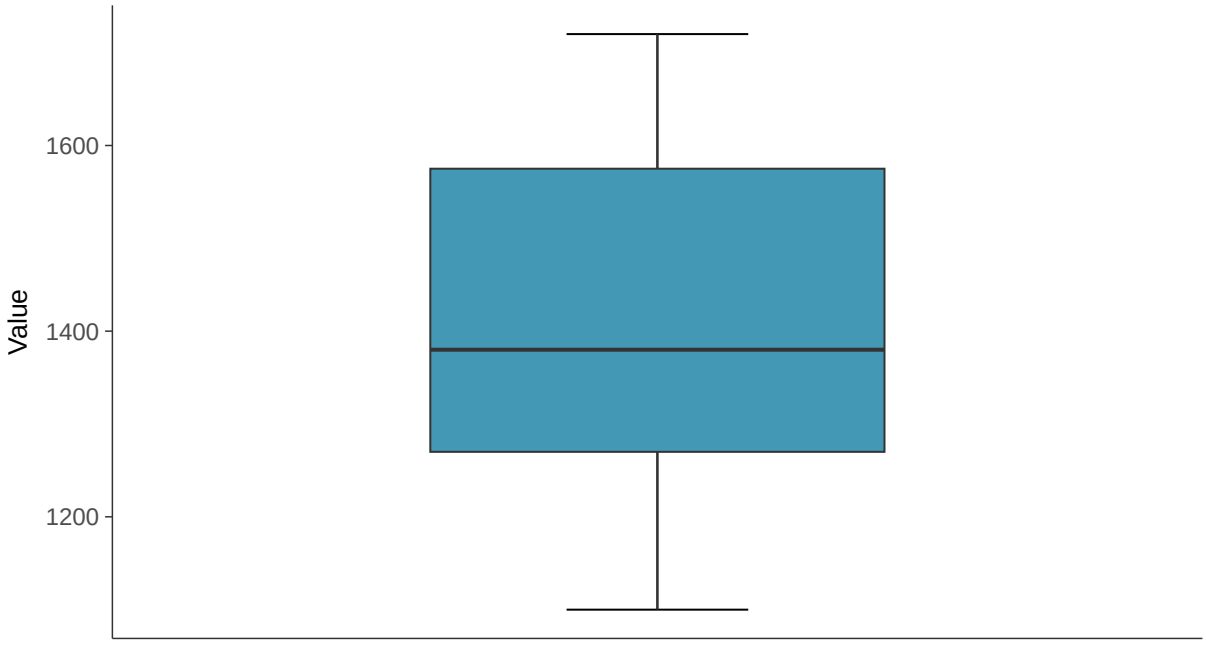
ID: 23_2_126





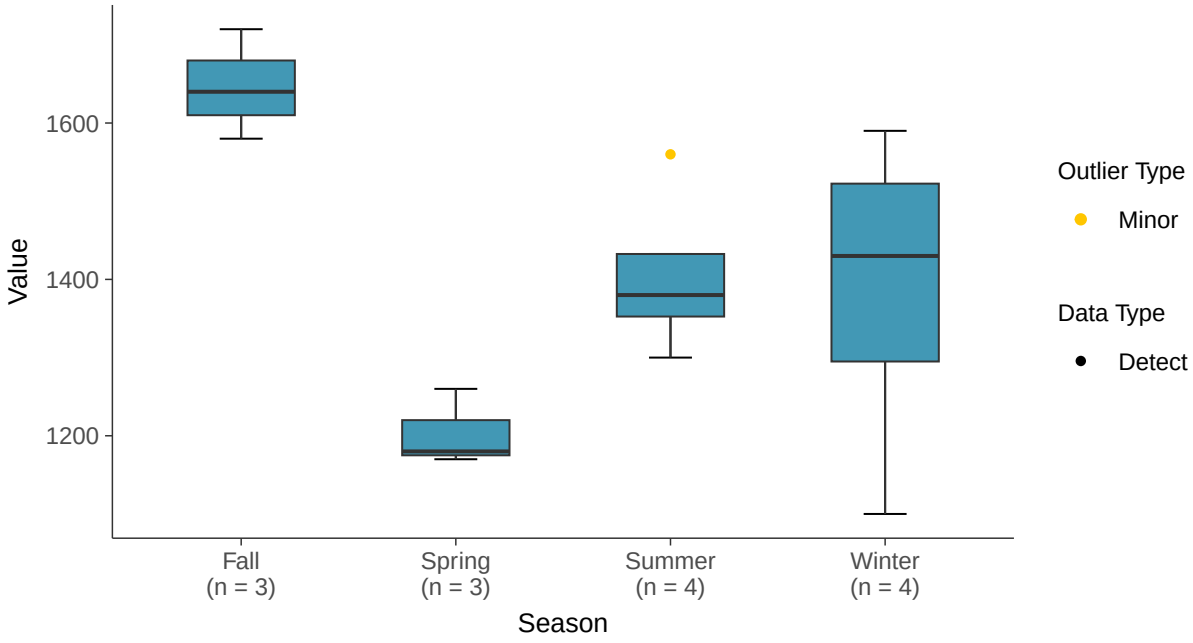
Boxplot

Total Dissolved Solids, MW-16A (mg/l)



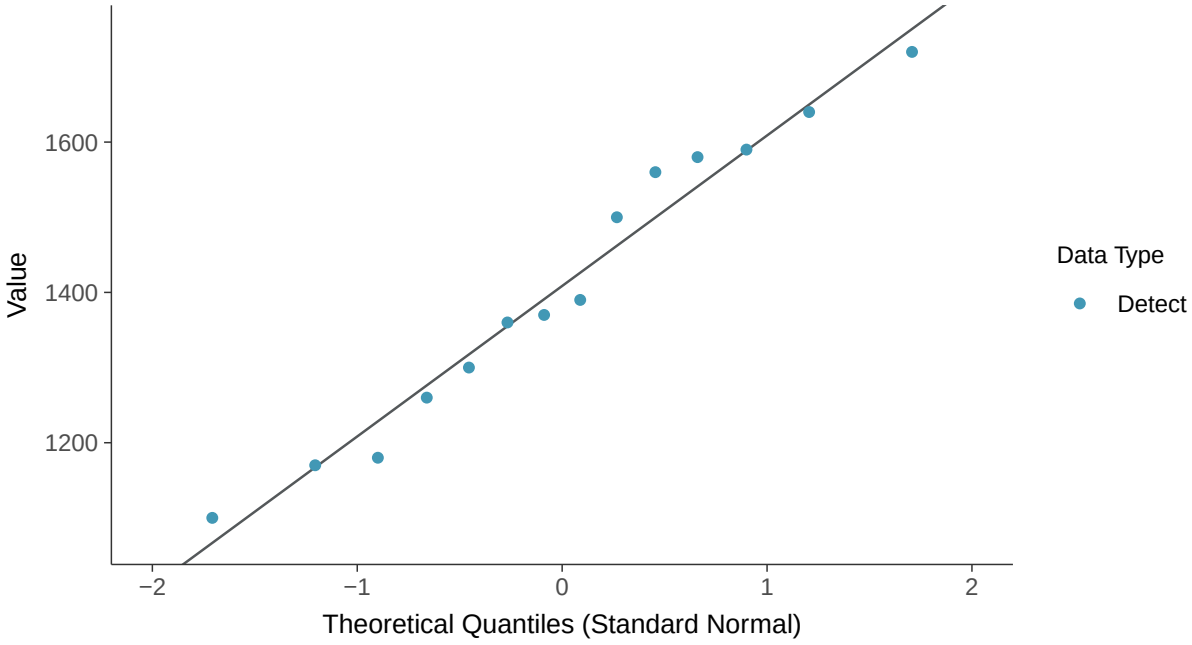
Boxplot by Season

Total Dissolved Solids, MW-16A (mg/l)



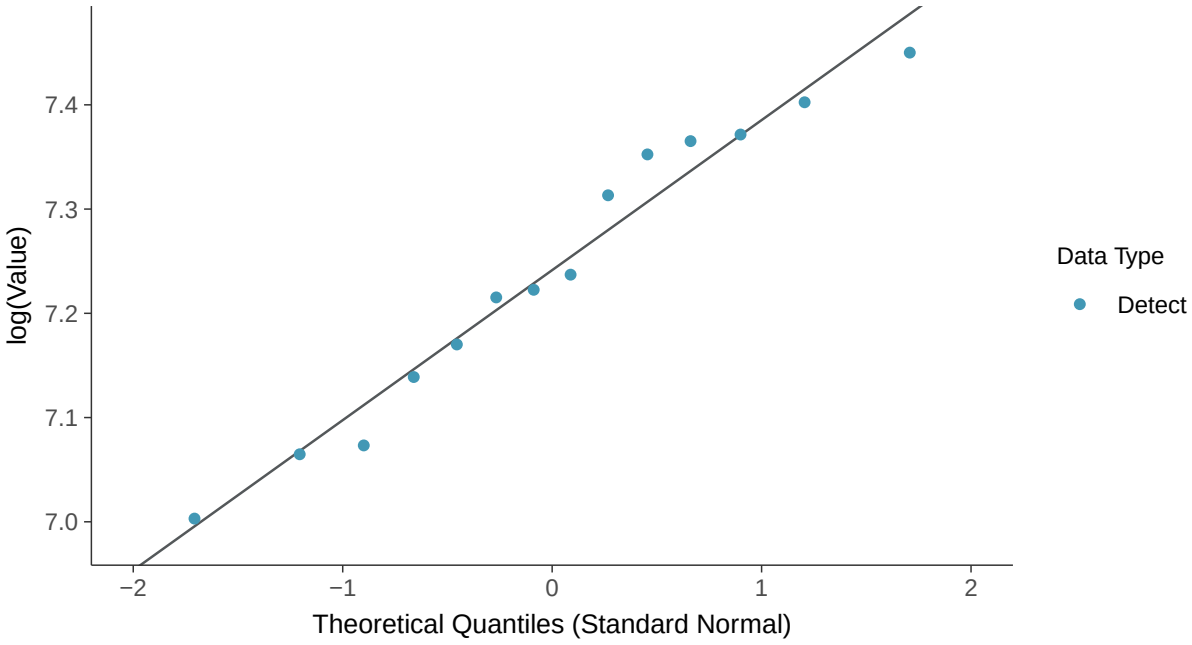
Normal Q-Q plot

Total Dissolved Solids, MW-16A (mg/l)



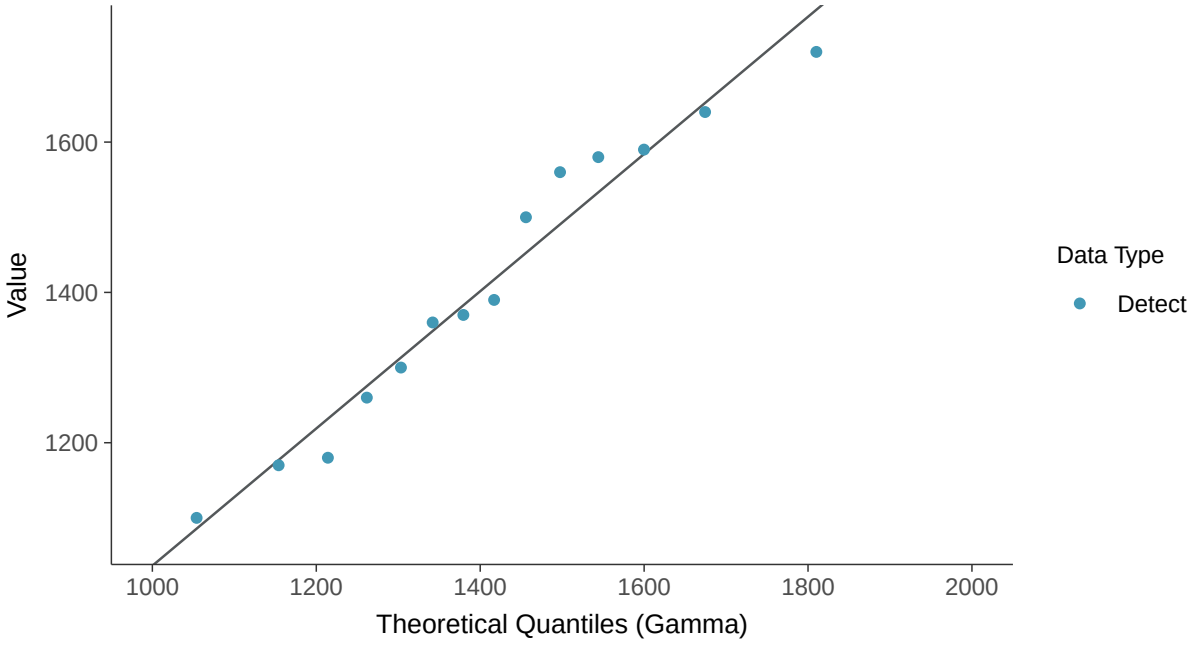
Lognormal Q-Q plot

Total Dissolved Solids, MW-16A (mg/l)



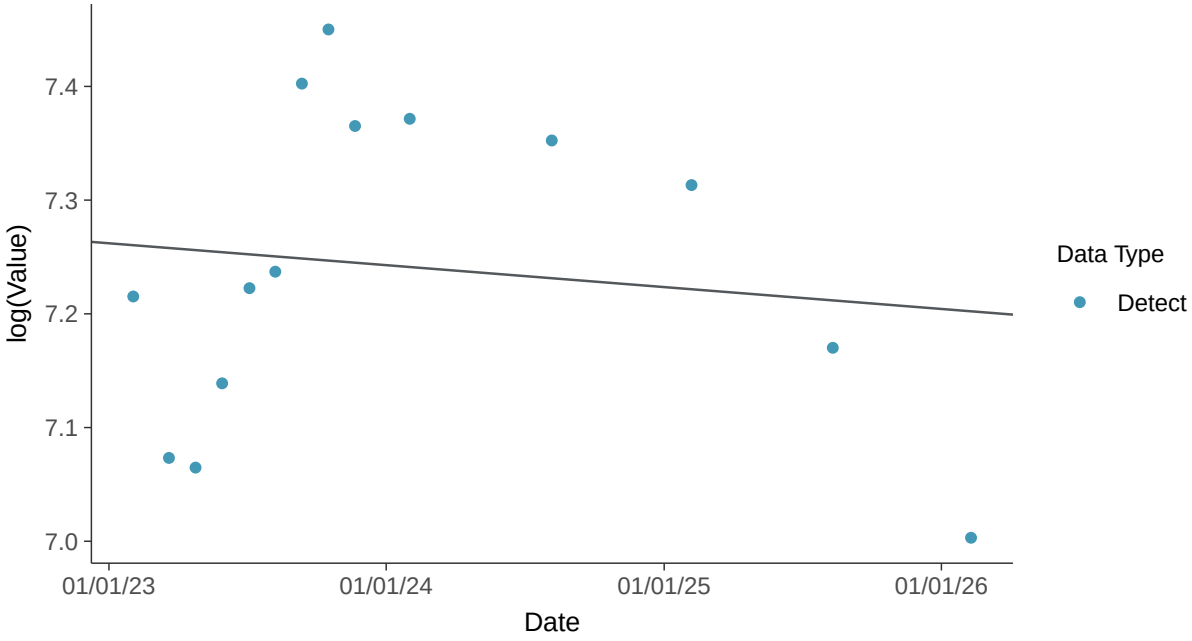
Gamma Q-Q plot

Total Dissolved Solids, MW-16A (mg/l)



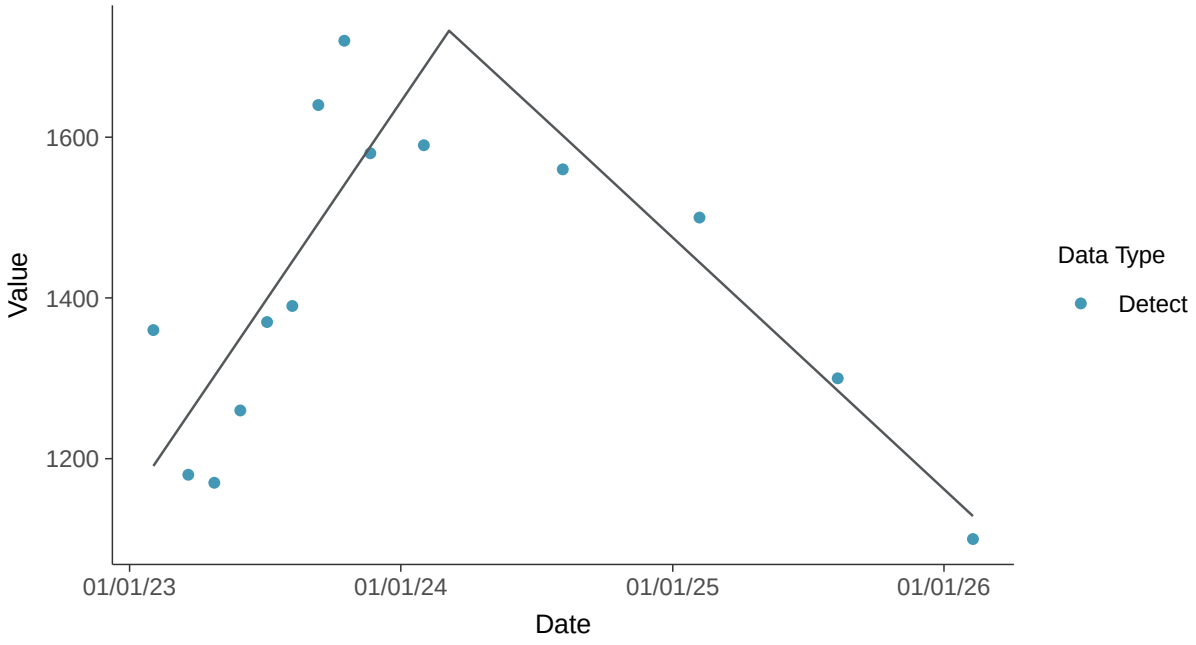
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-16A (mg/l)



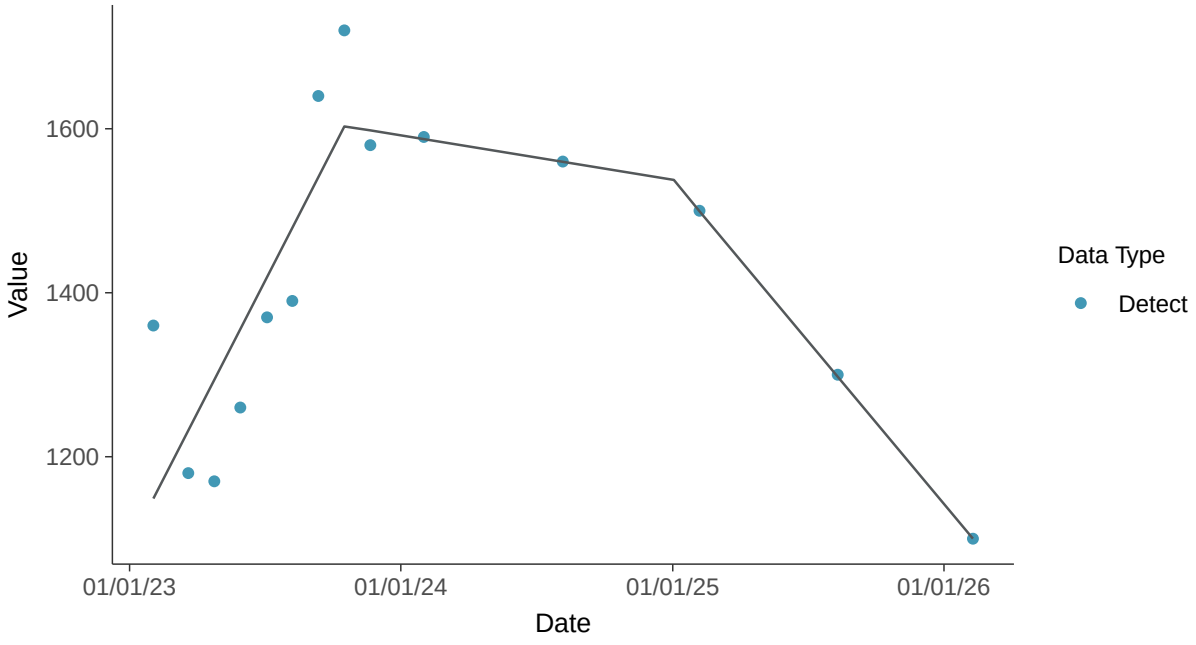
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-16A (mg/l)



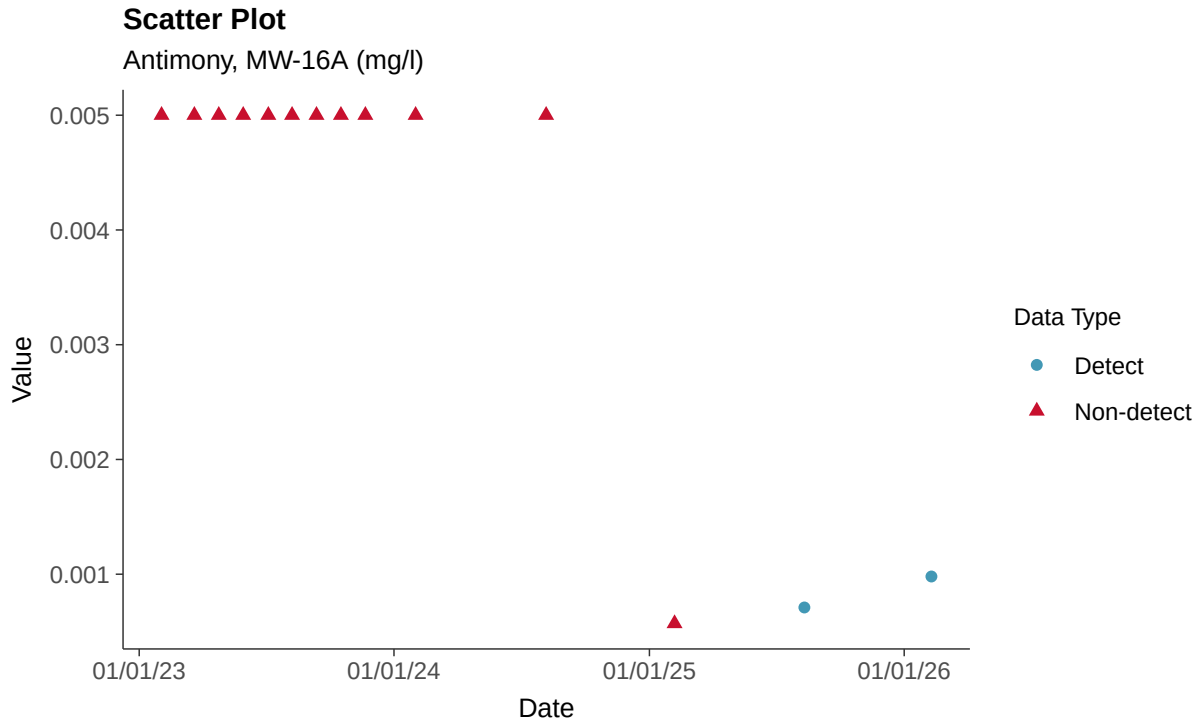
Trend Regression: Piecewise Linear-Linear-Linear

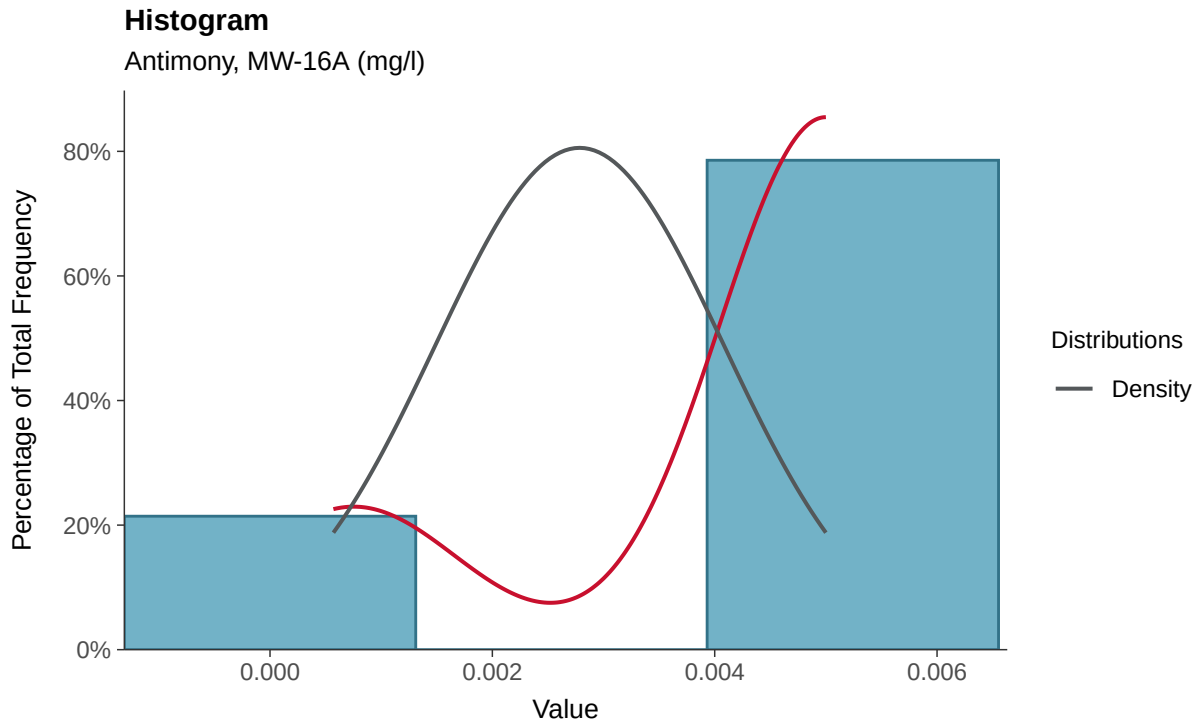
Total Dissolved Solids, MW-16A (mg/l)



Appendix IV: Antimony, MW-16A

ID: 23_3_101



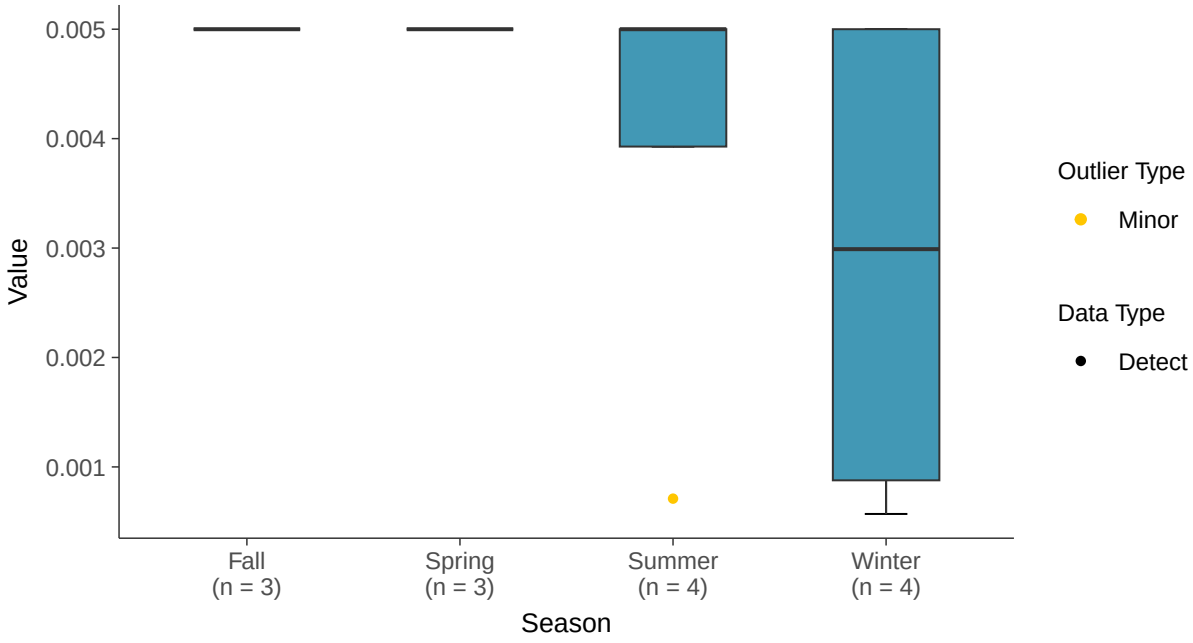


Boxplot

Antimony, MW-16A (mg/l)

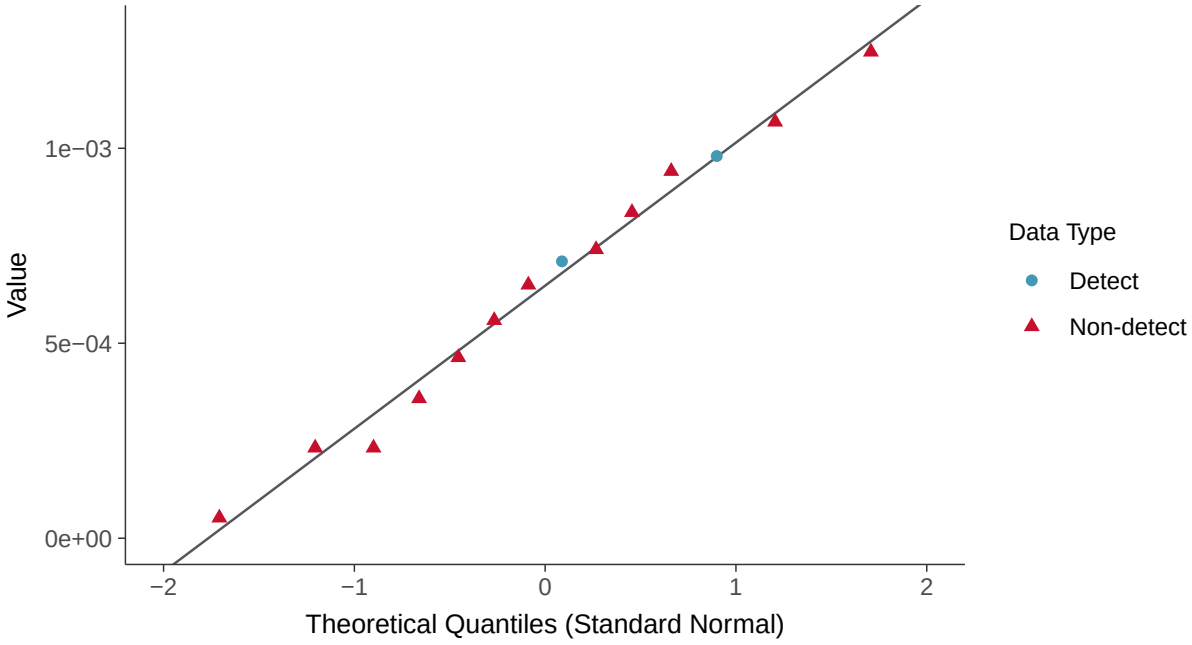
Boxplot by Season

Antimony, MW-16A (mg/l)



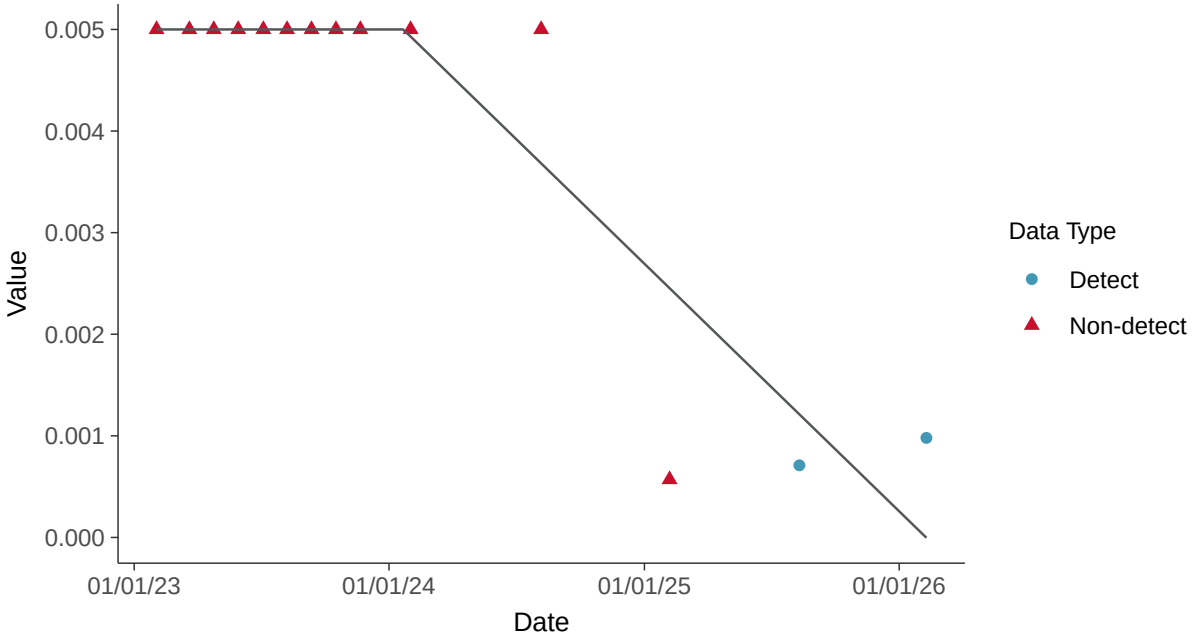
Normal Q-Q plot using ROS Imputed Estimates

Antimony, MW-16A (mg/l)



Trend Regression: Piecewise Linear-Linear

Antimony, MW-16A (mg/l)

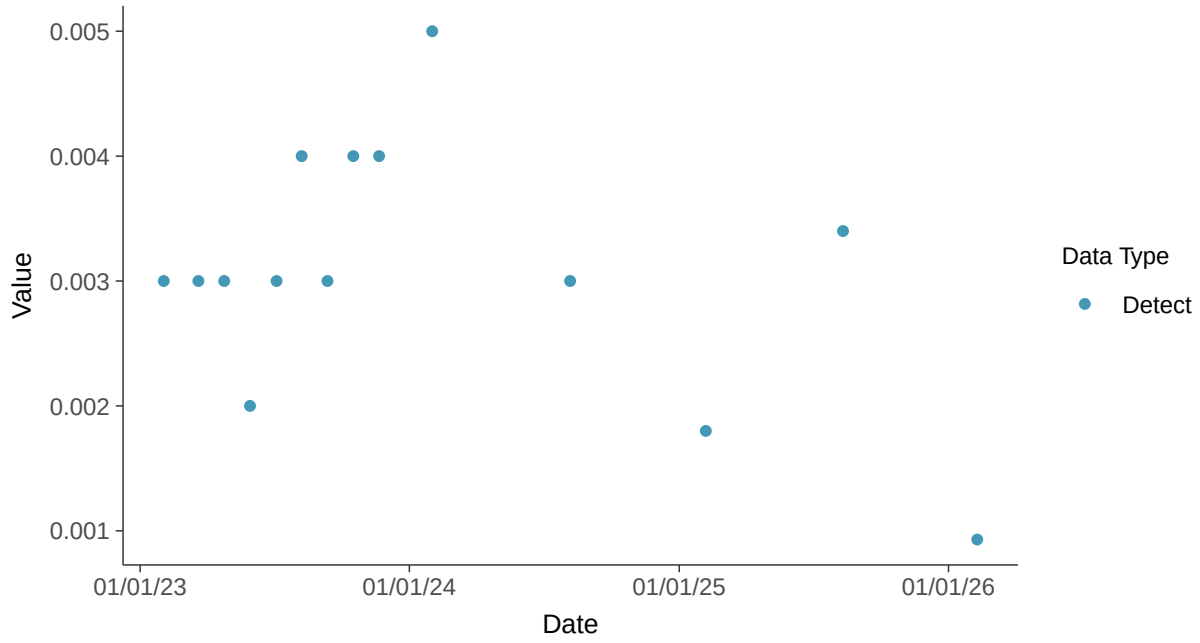


Appendix IV: Arsenic, MW-16A

ID: 23_3_102

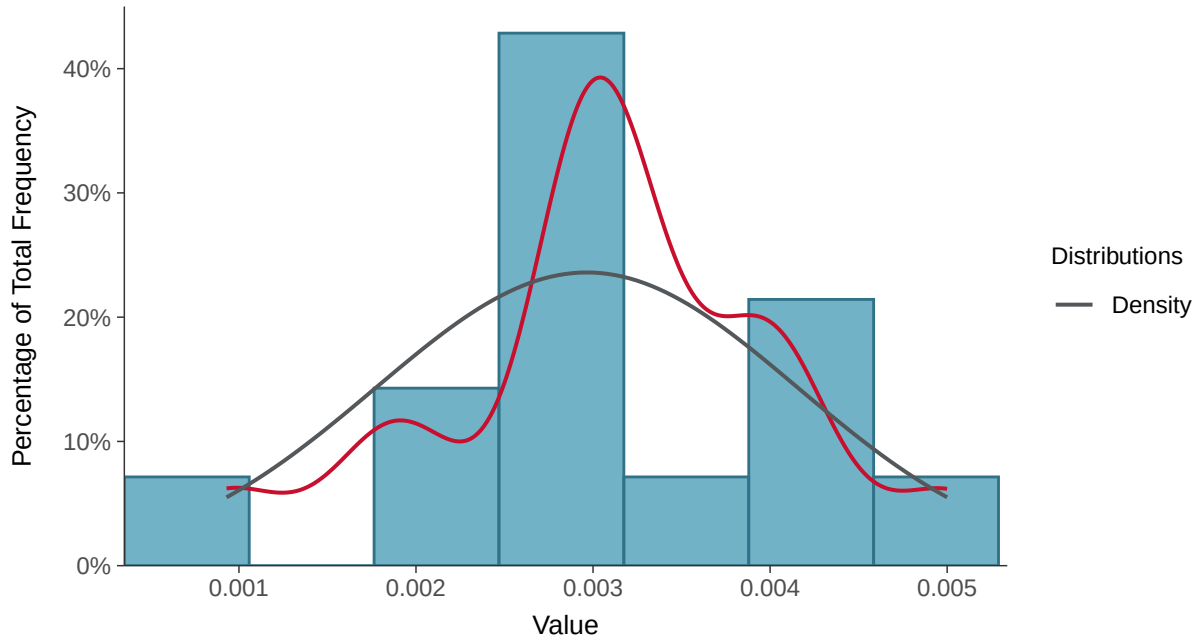
Scatter Plot

Arsenic, MW-16A (mg/l)



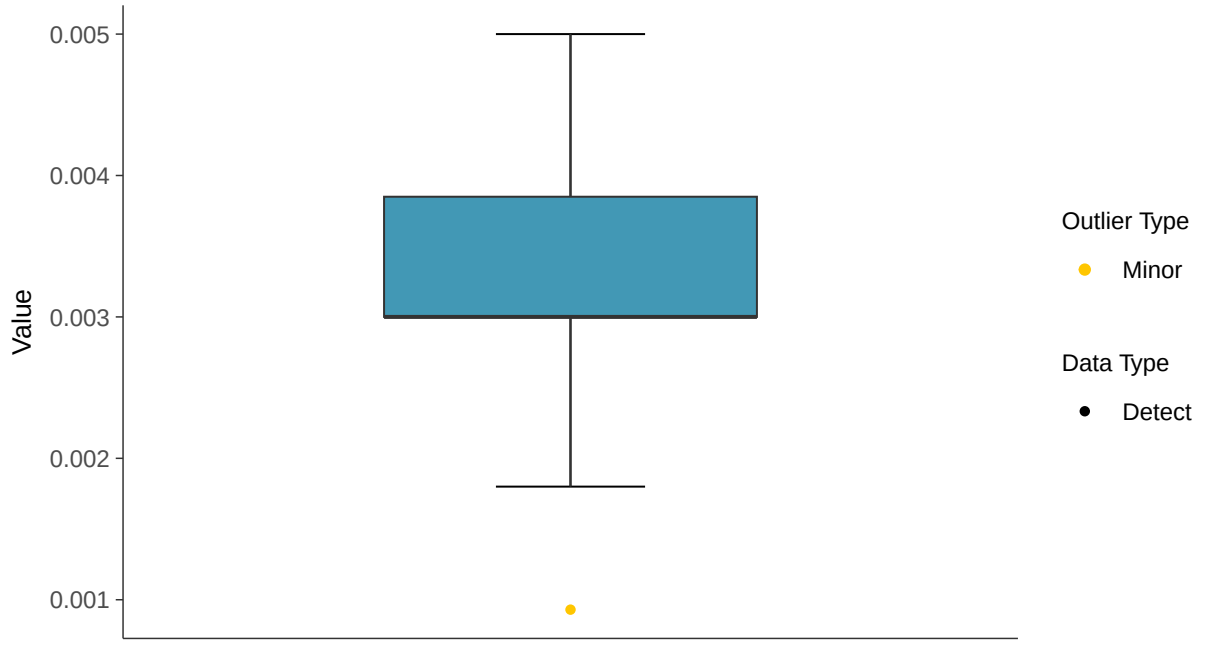
Histogram

Arsenic, MW-16A (mg/l)



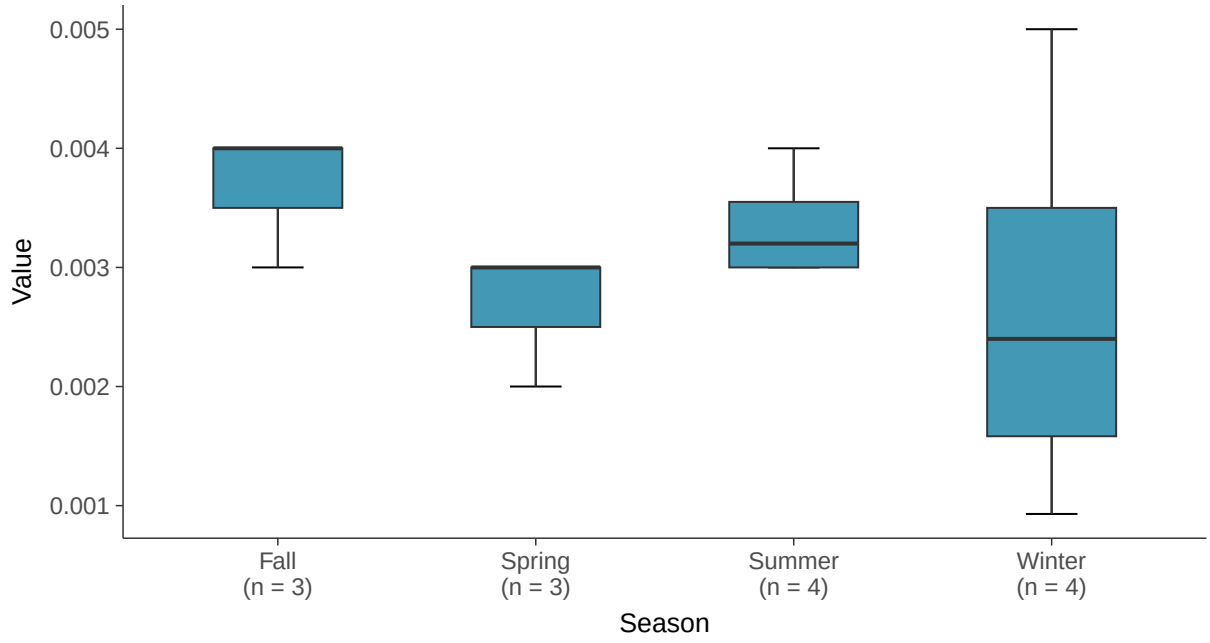
Boxplot

Arsenic, MW-16A (mg/l)



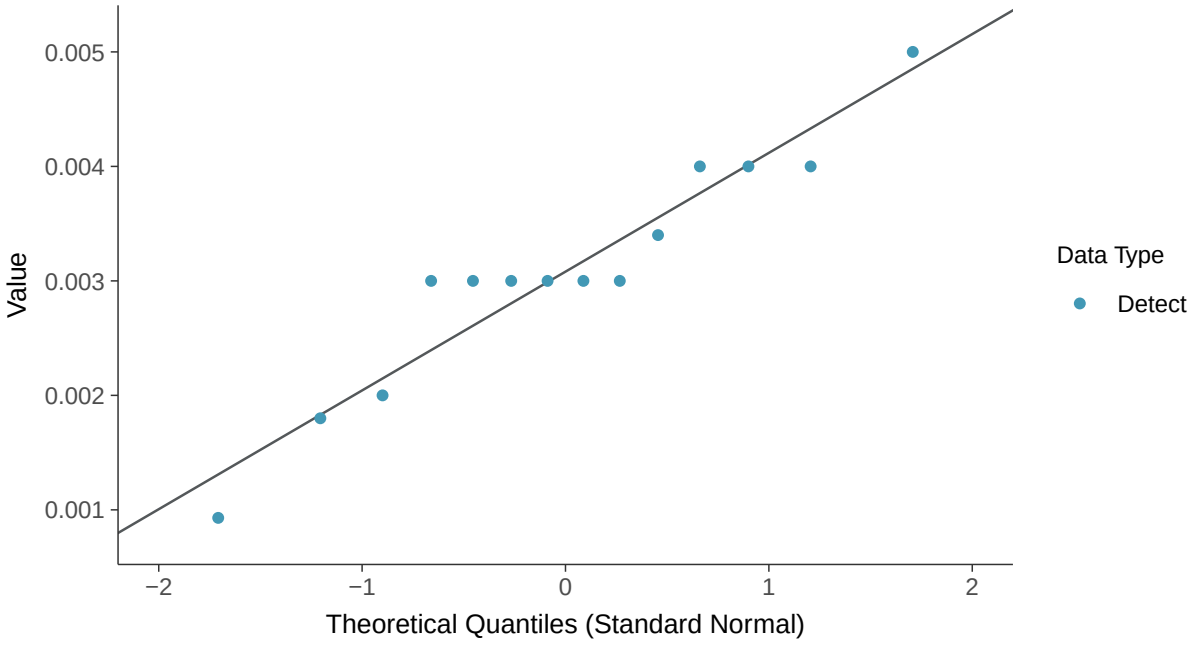
Boxplot by Season

Arsenic, MW-16A (mg/l)



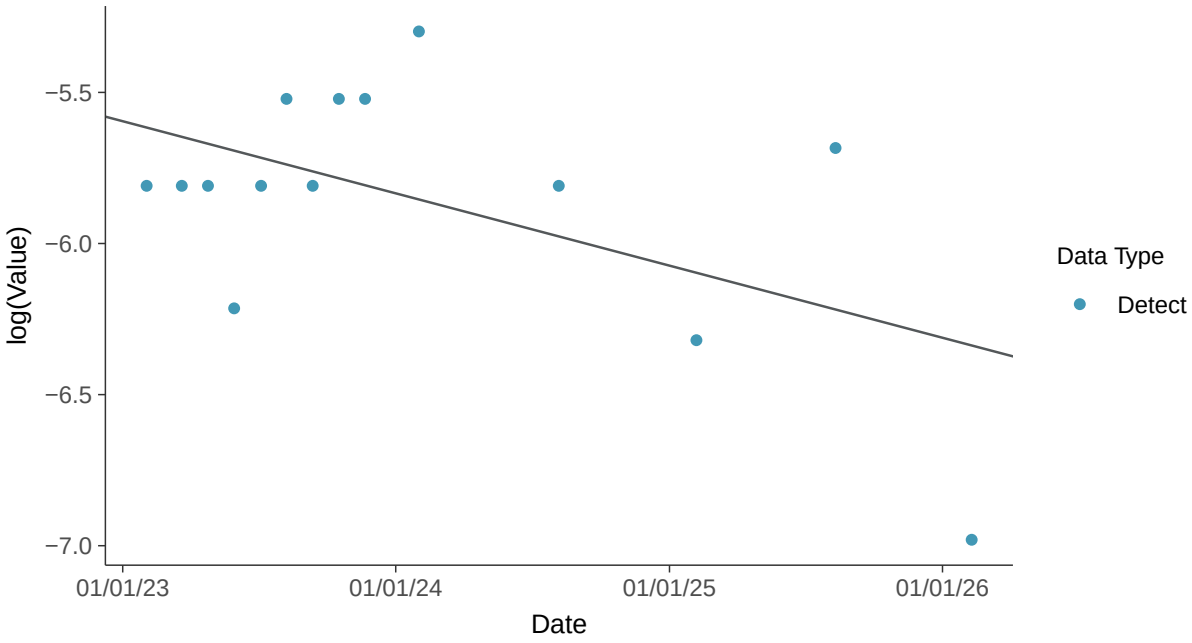
Normal Q-Q plot

Arsenic, MW-16A (mg/l)



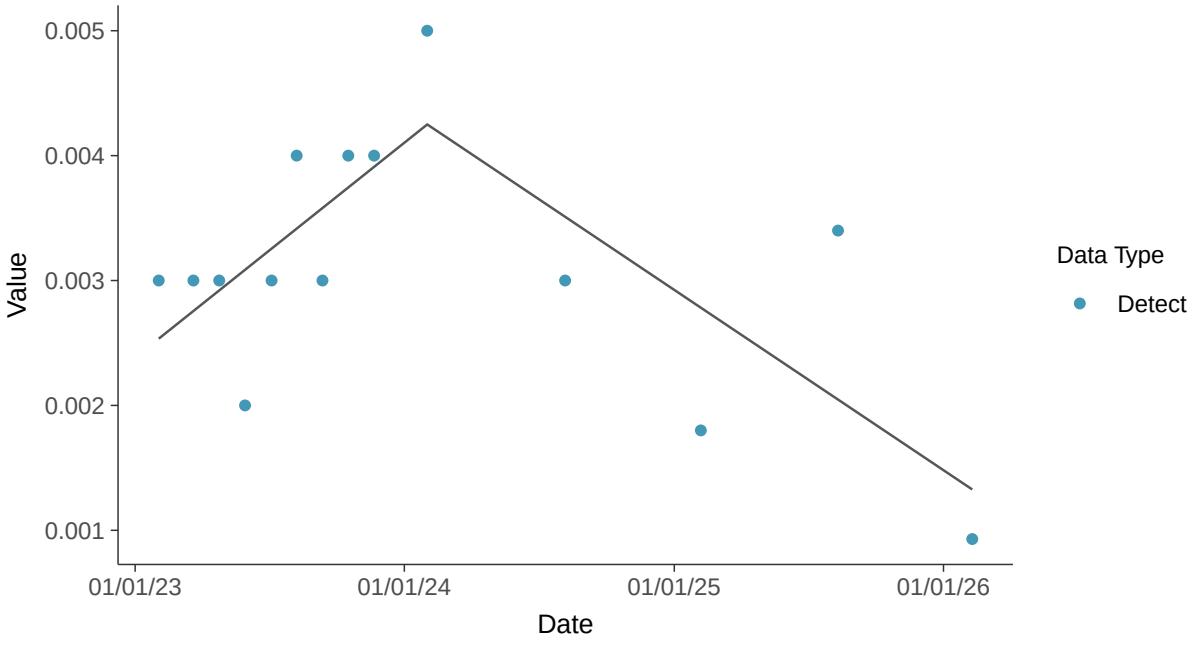
Trend Regression: Lognormal MLE

Arsenic, MW-16A (mg/l)



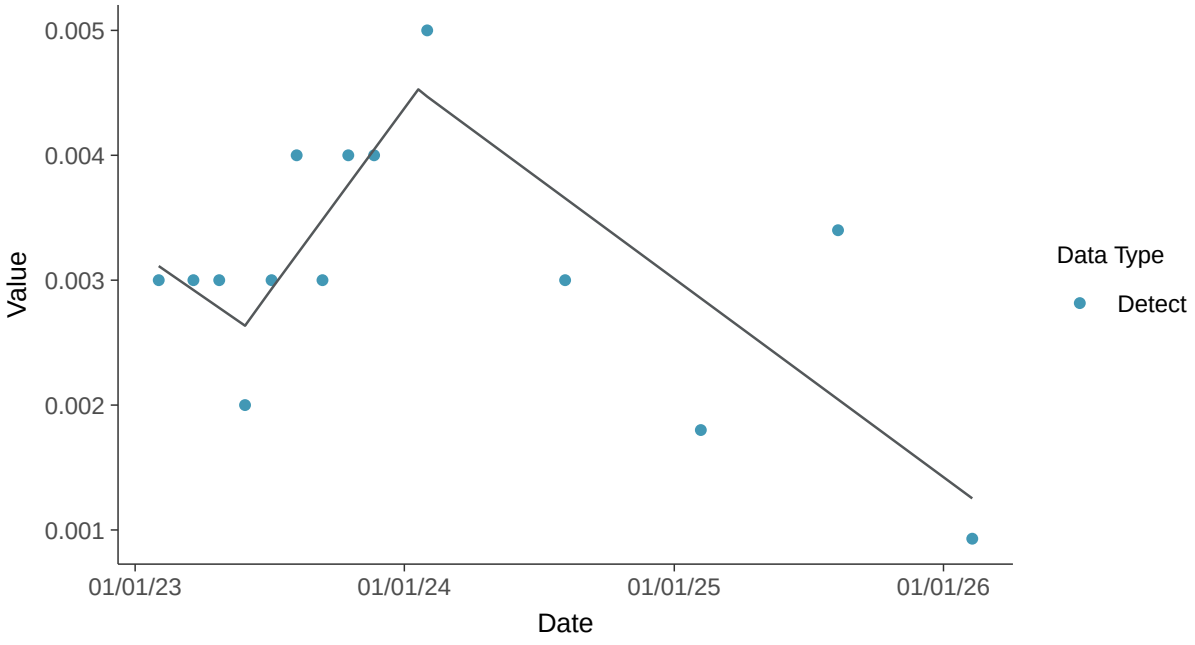
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-16A (mg/l)



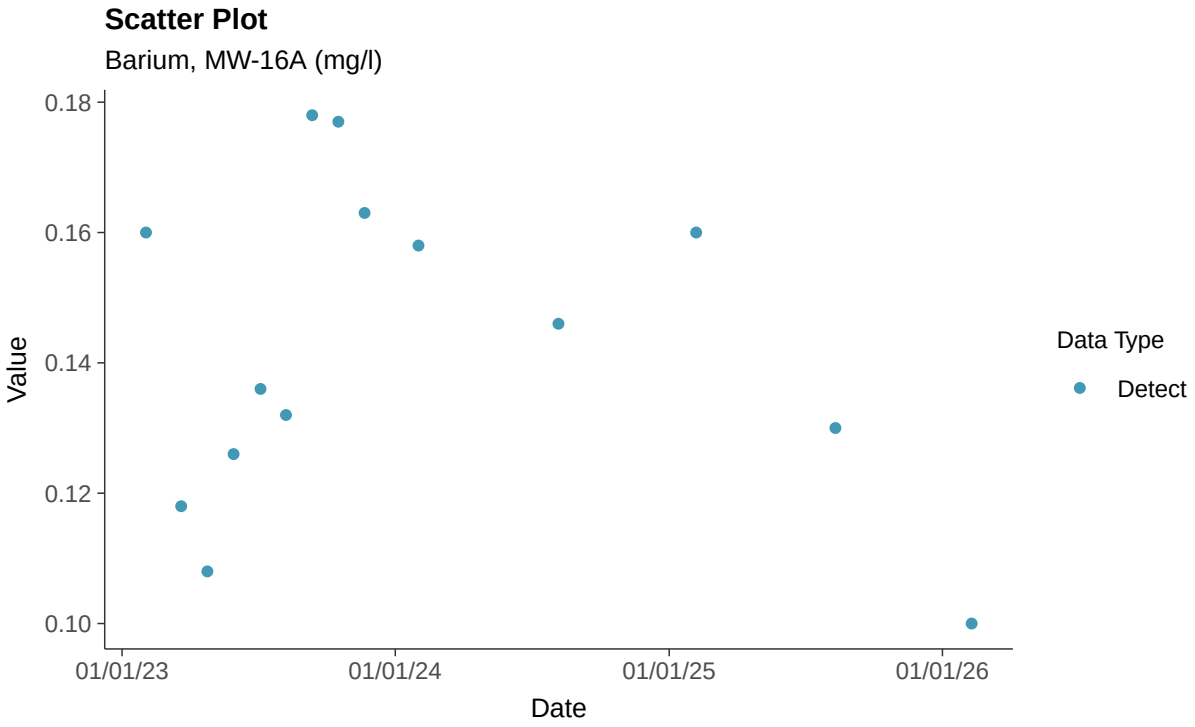
Trend Regression: Piecewise Linear-Linear-Linear

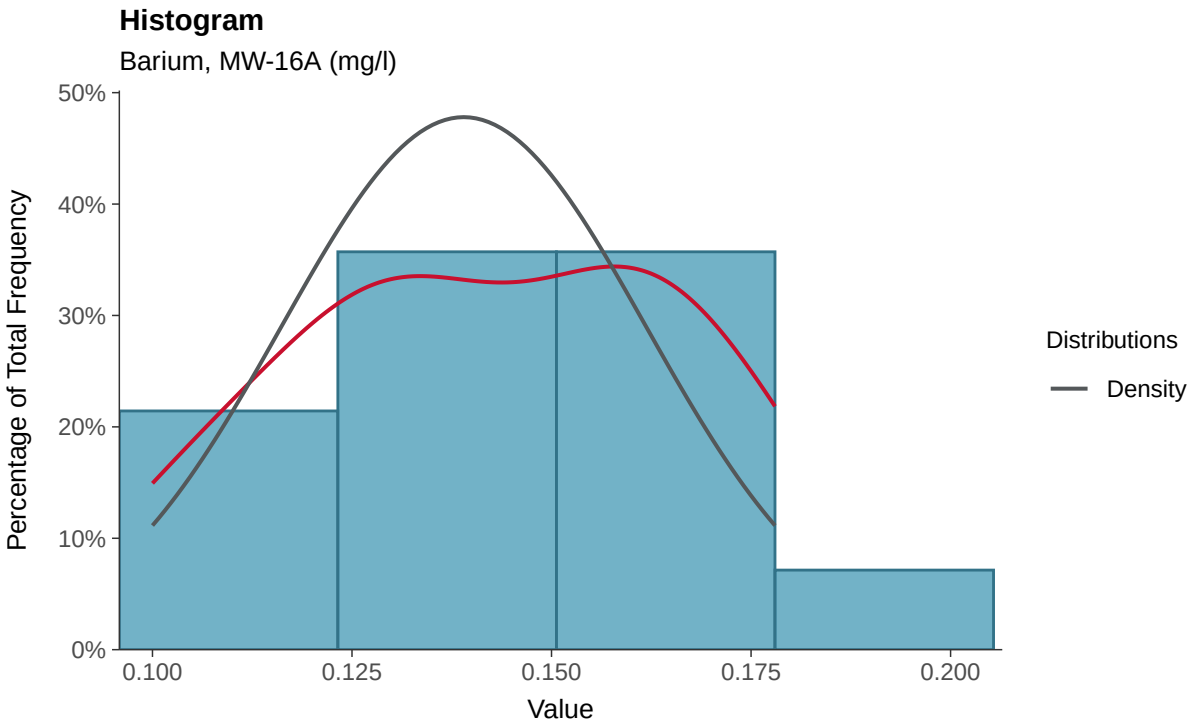
Arsenic, MW-16A (mg/l)



Appendix IV: Barium, MW-16A

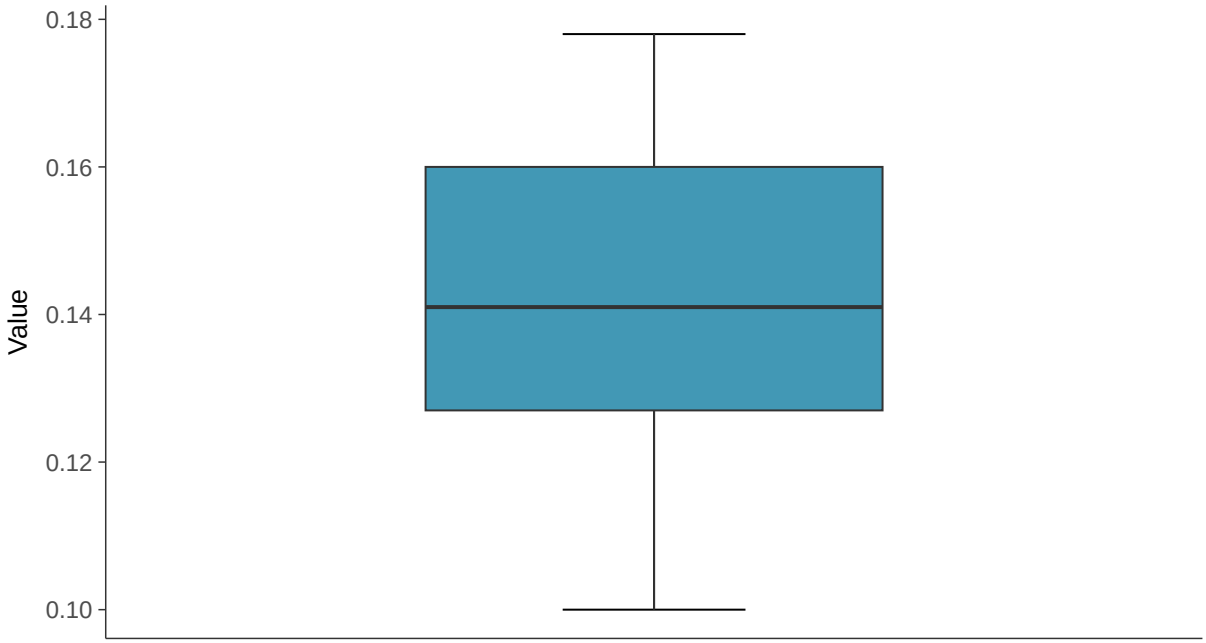
ID: 23_3_103





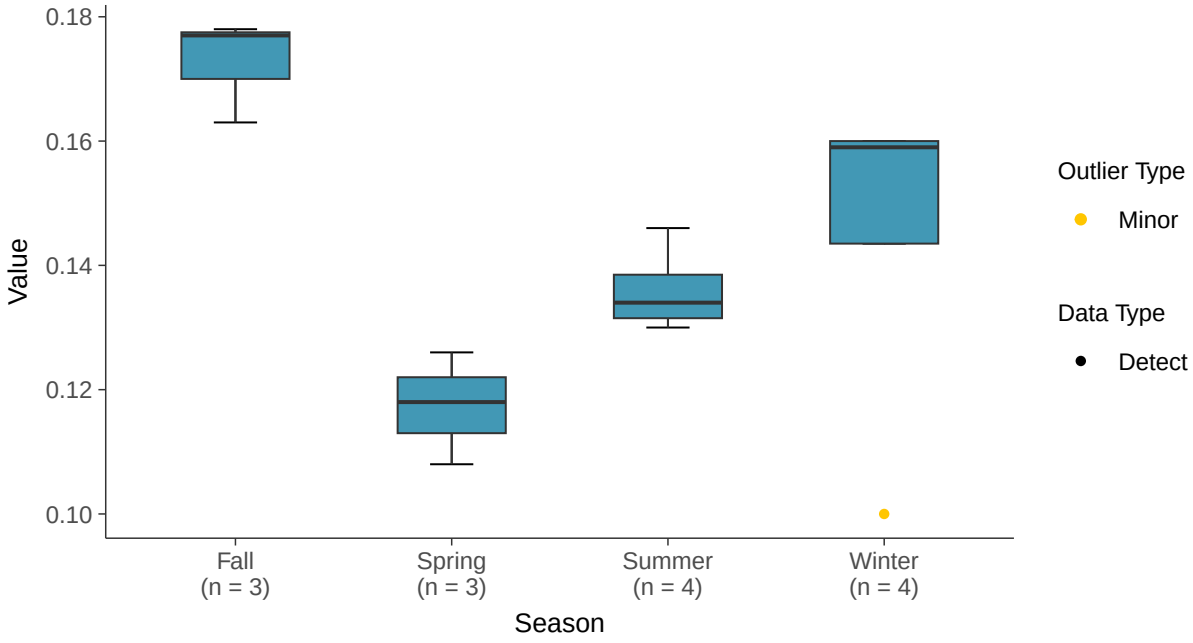
Boxplot

Barium, MW-16A (mg/l)



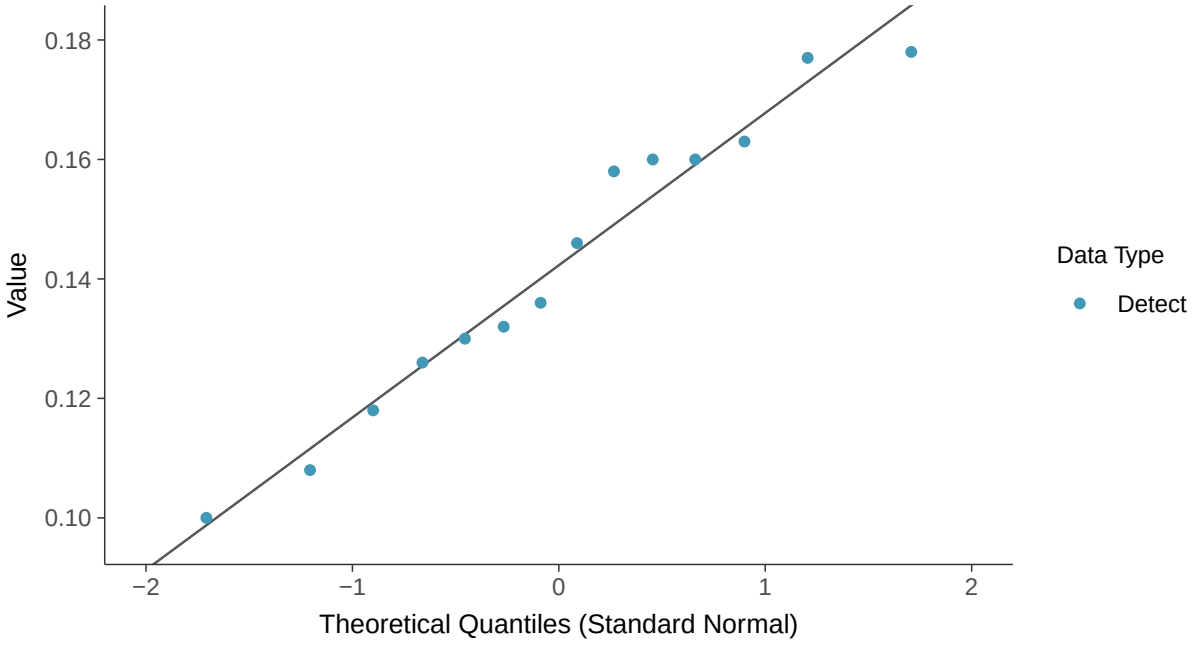
Boxplot by Season

Barium, MW-16A (mg/l)



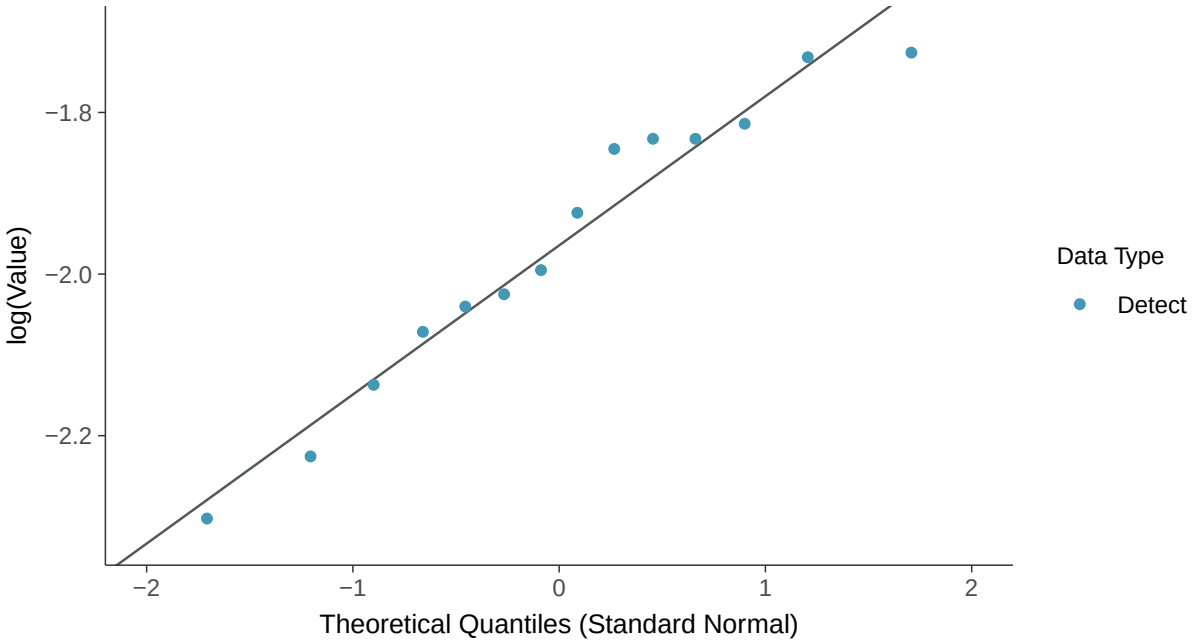
Normal Q-Q plot

Barium, MW-16A (mg/l)



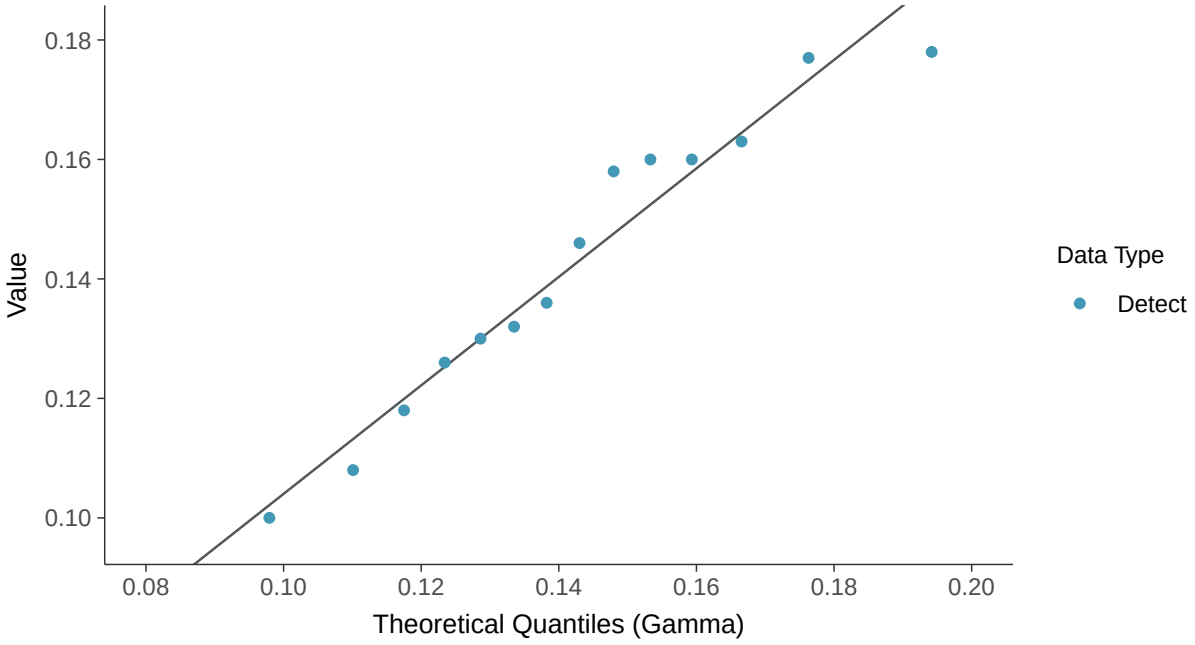
Lognormal Q-Q plot

Barium, MW-16A (mg/l)



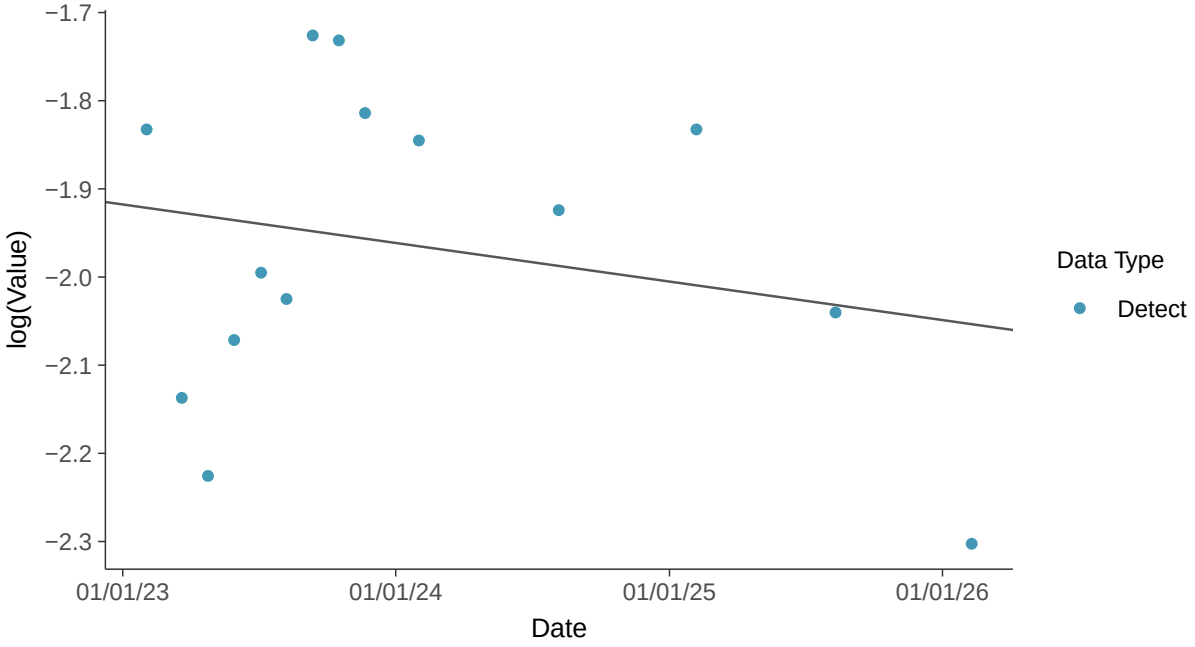
Gamma Q-Q plot

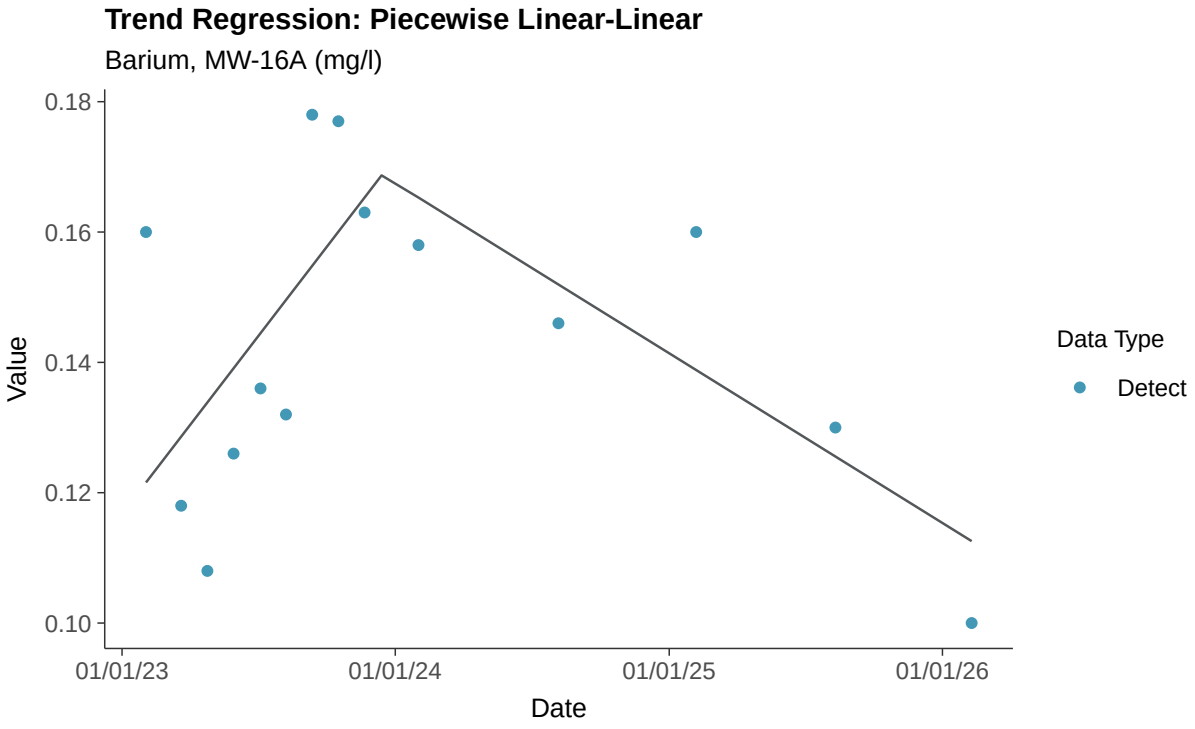
Barium, MW-16A (mg/l)



Trend Regression: Lognormal MLE

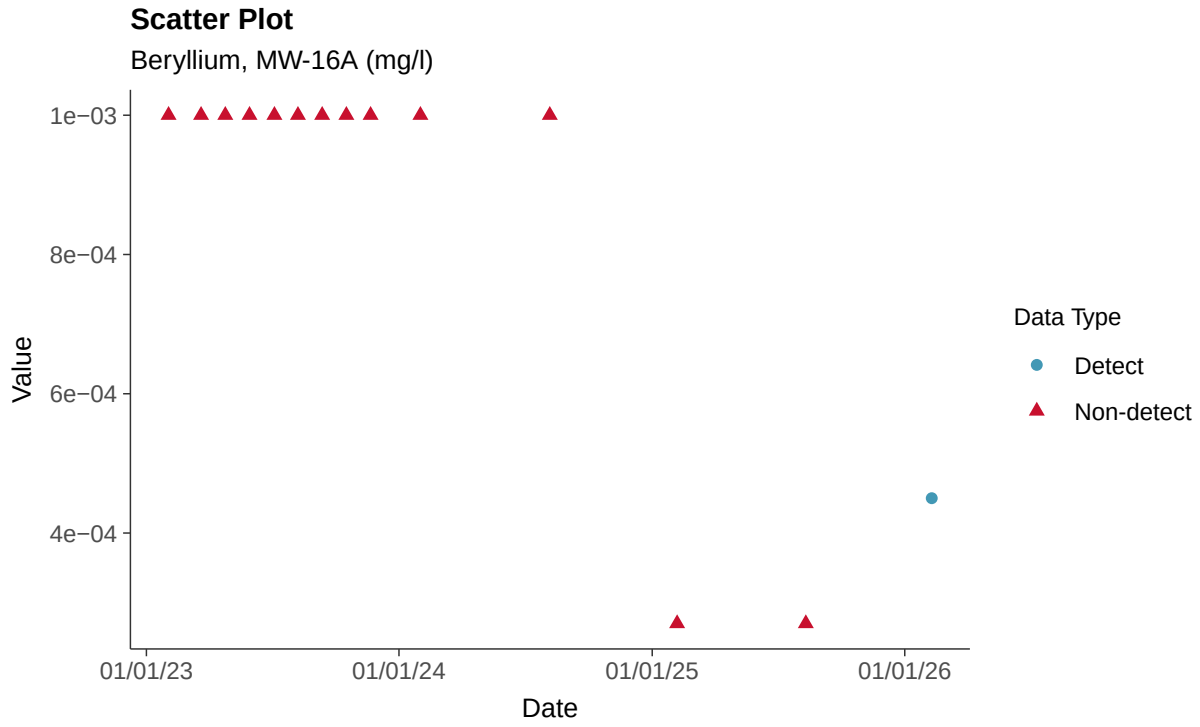
Barium, MW-16A (mg/l)

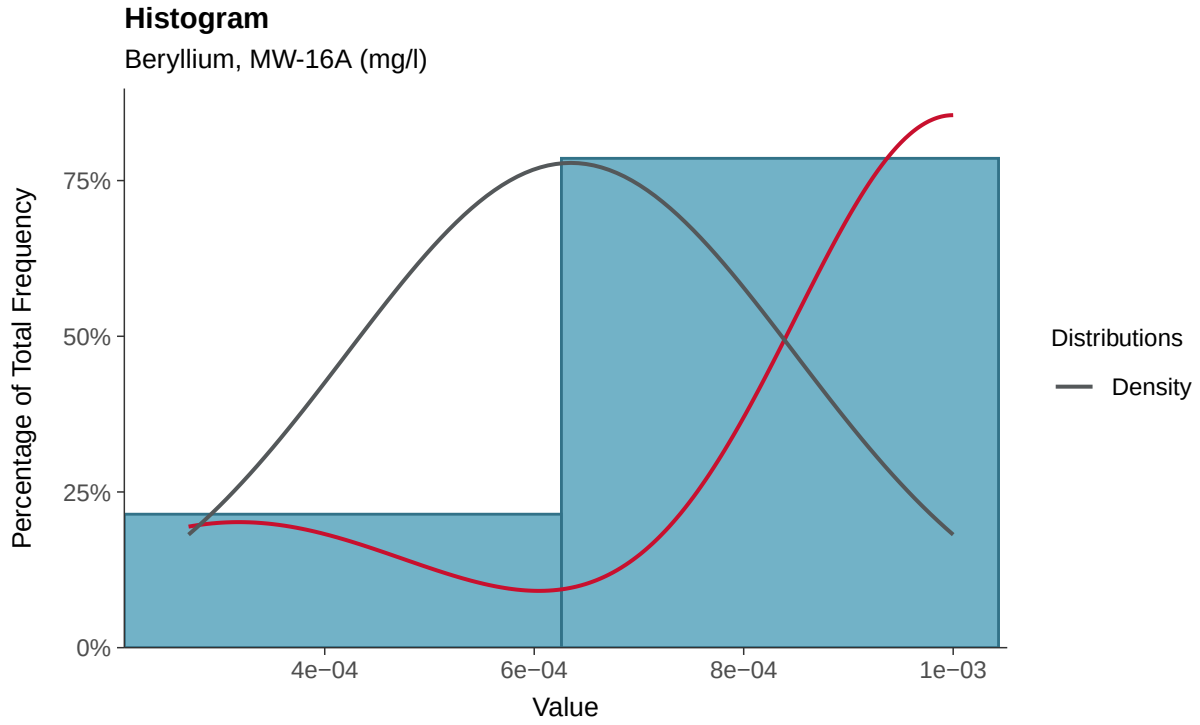



Trend Regression: Piecewise Linear-Linear
Barium, MW-16A (mg/l)
Value
0.18
0.16
0.14
0.12
0.10
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Beryllium, MW-16A

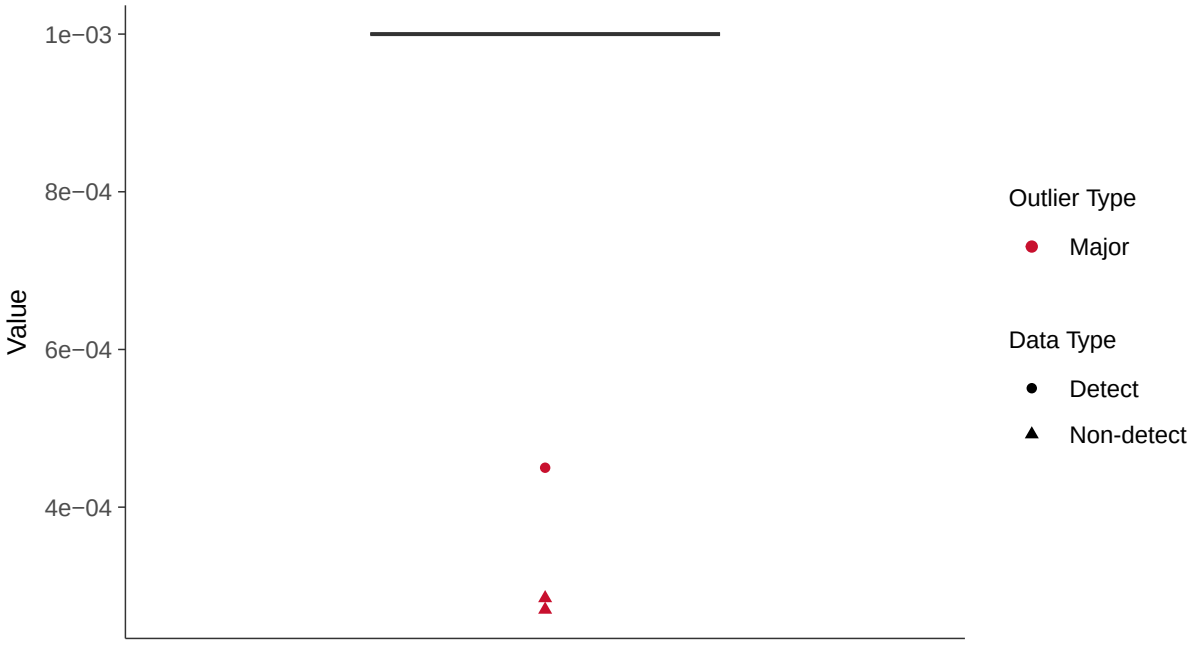
ID: 23_3_104





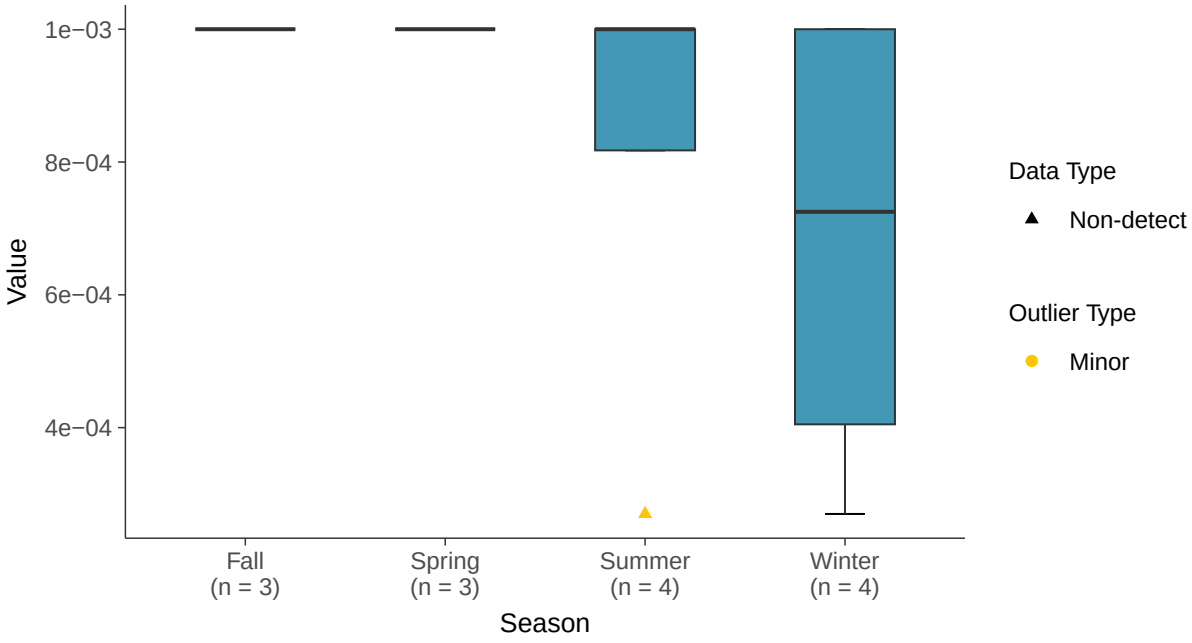
Boxplot

Beryllium, MW-16A (mg/l)



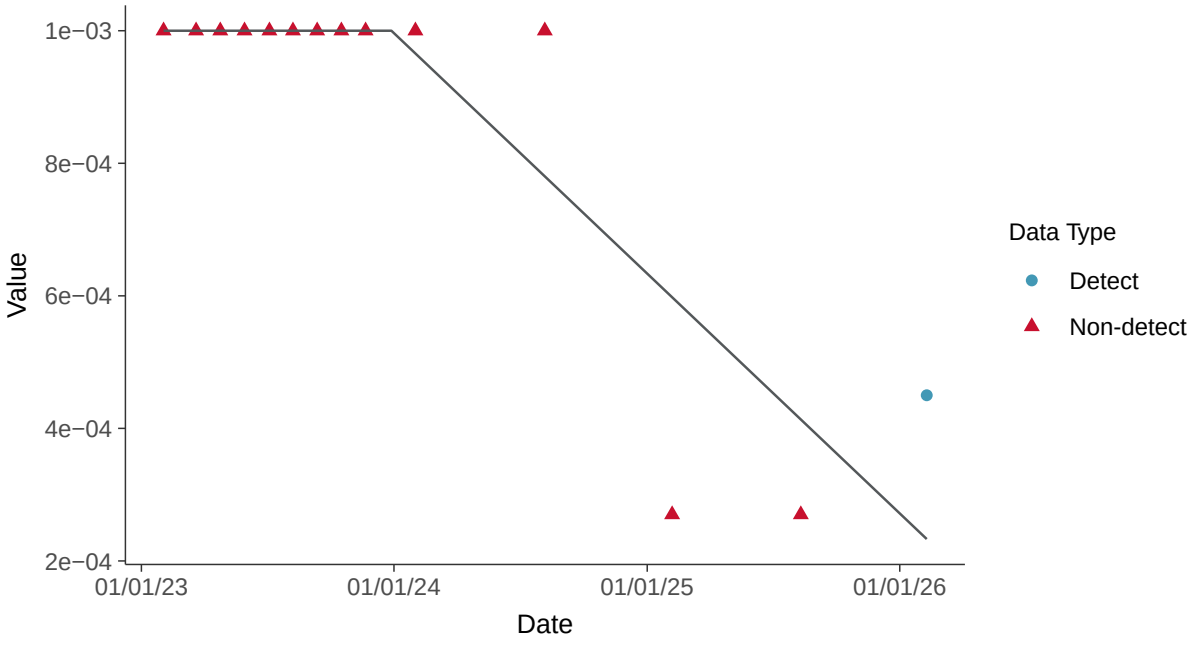
Boxplot by Season

Beryllium, MW-16A (mg/l)



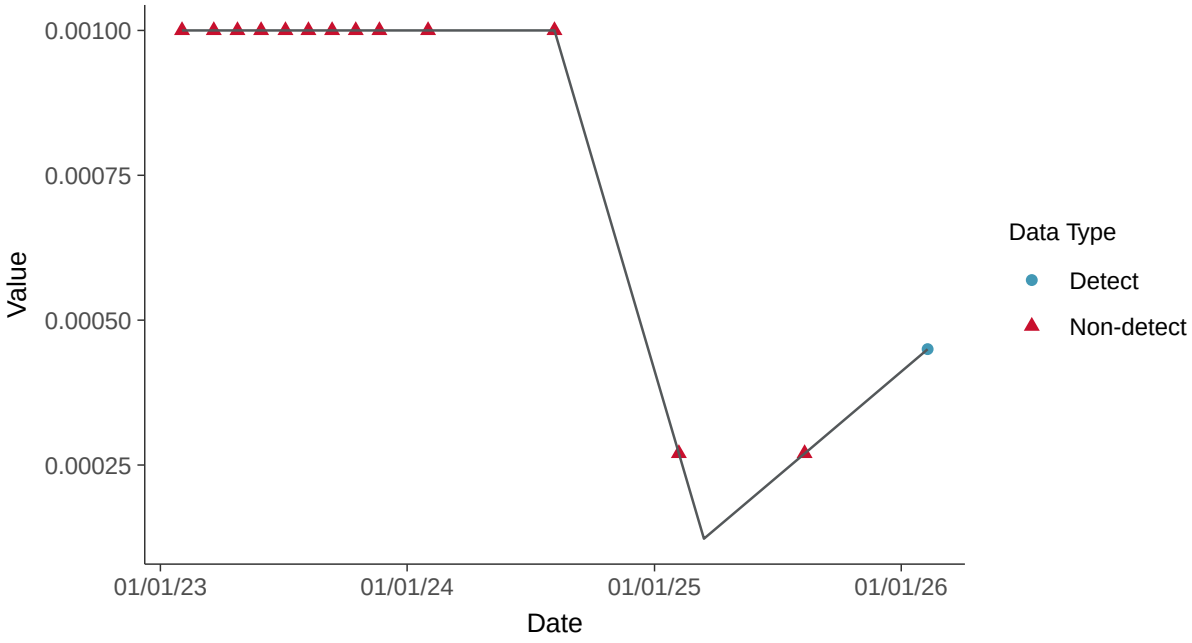
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-16A (mg/l)



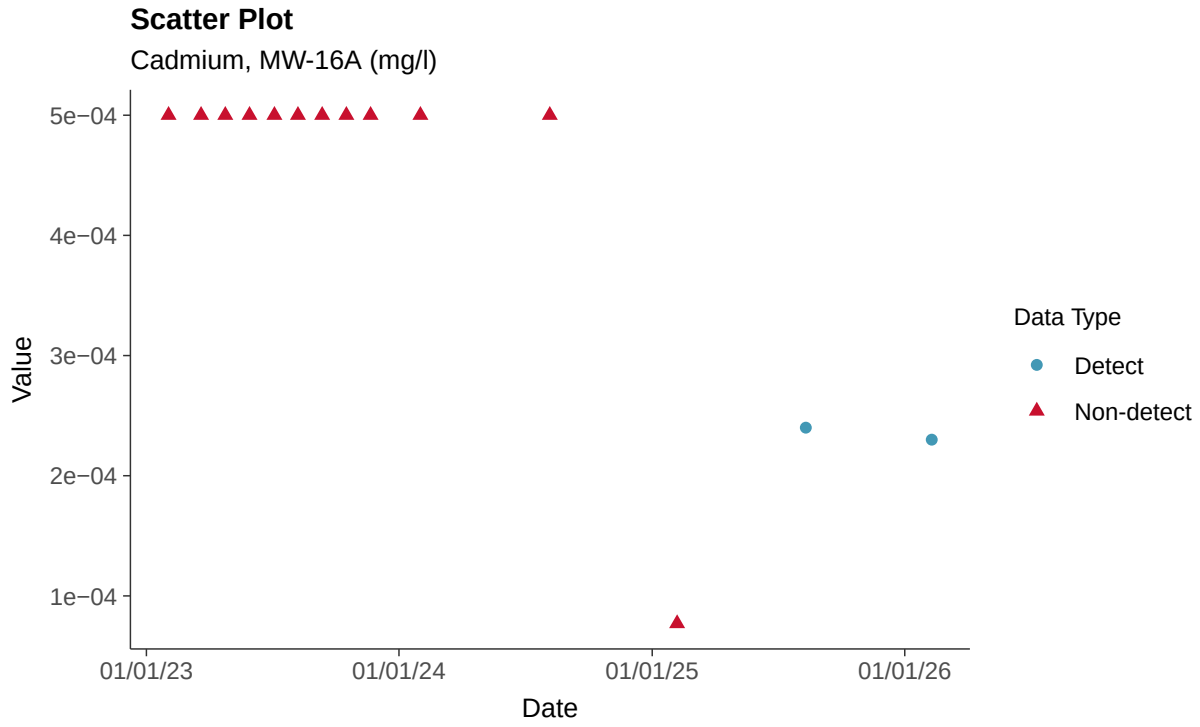
Trend Regression: Piecewise Linear-Linear-Linear

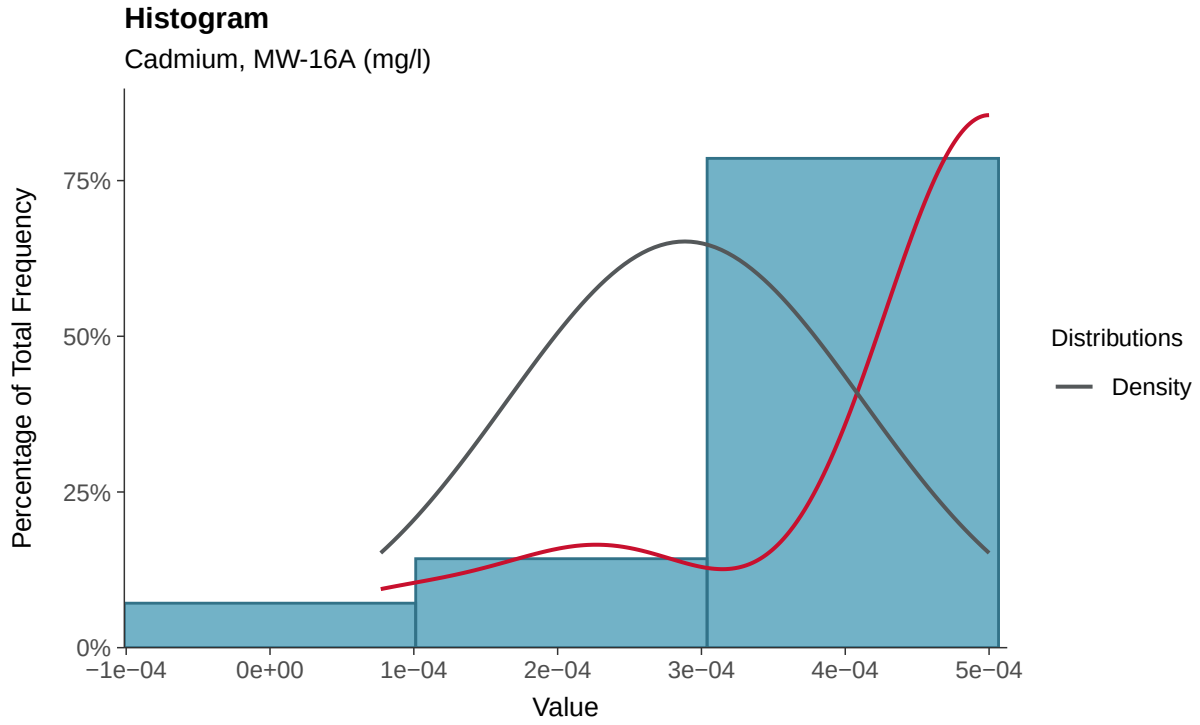
Beryllium, MW-16A (mg/l)



Appendix IV: Cadmium, MW-16A

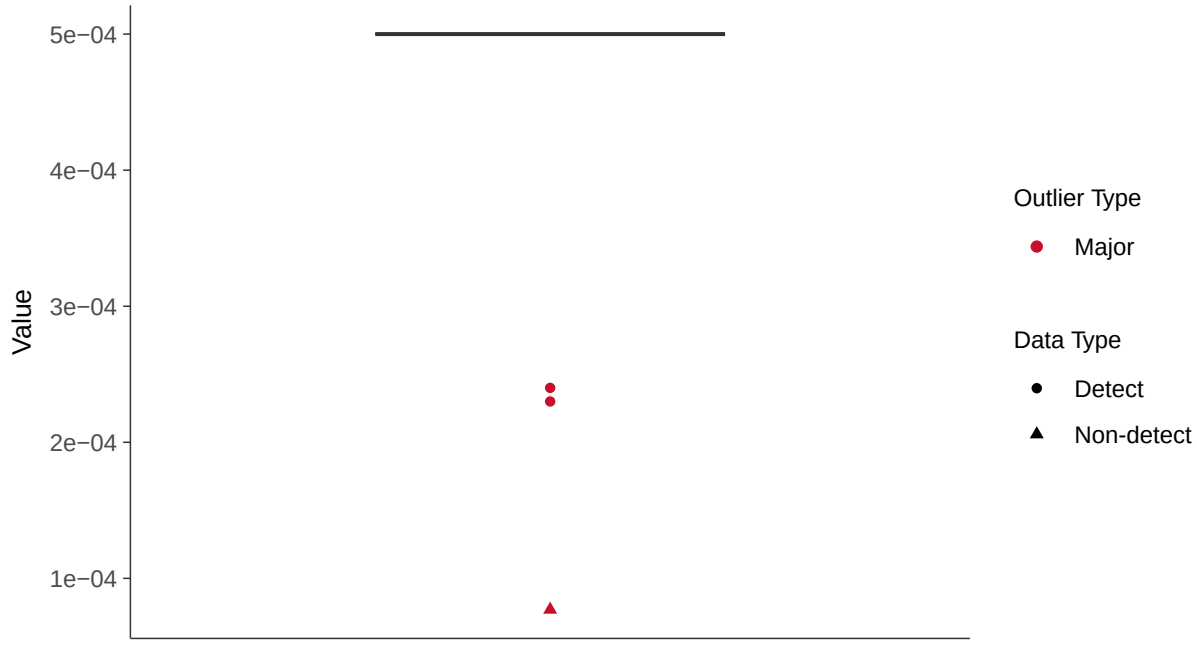
ID: 23_3_106





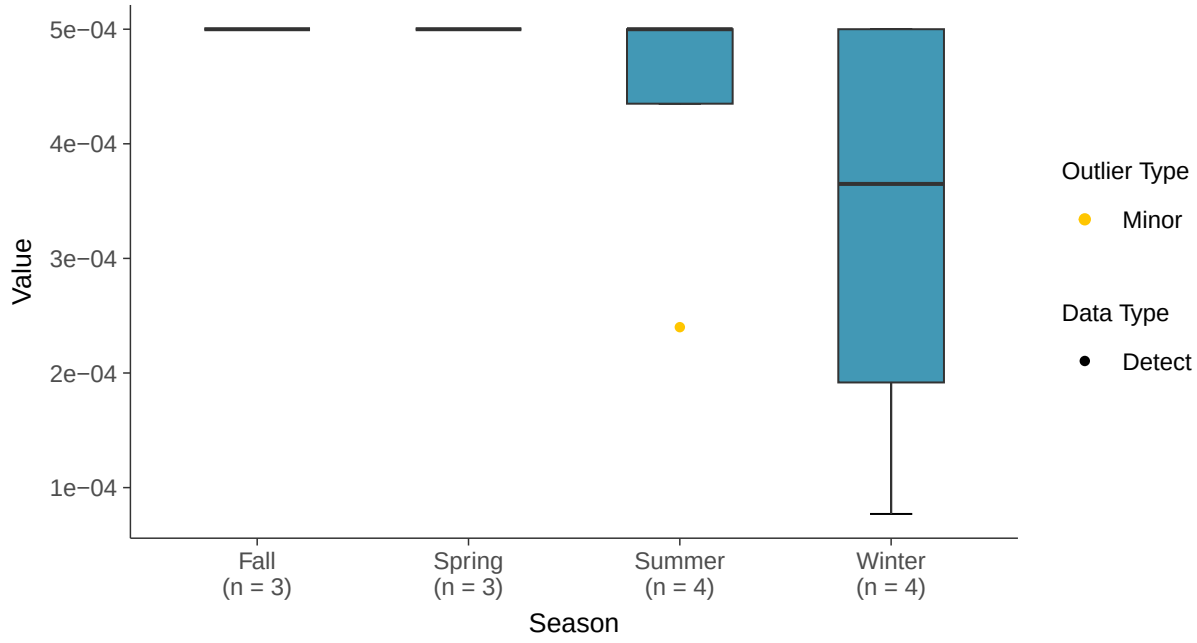
Boxplot

Cadmium, MW-16A (mg/l)



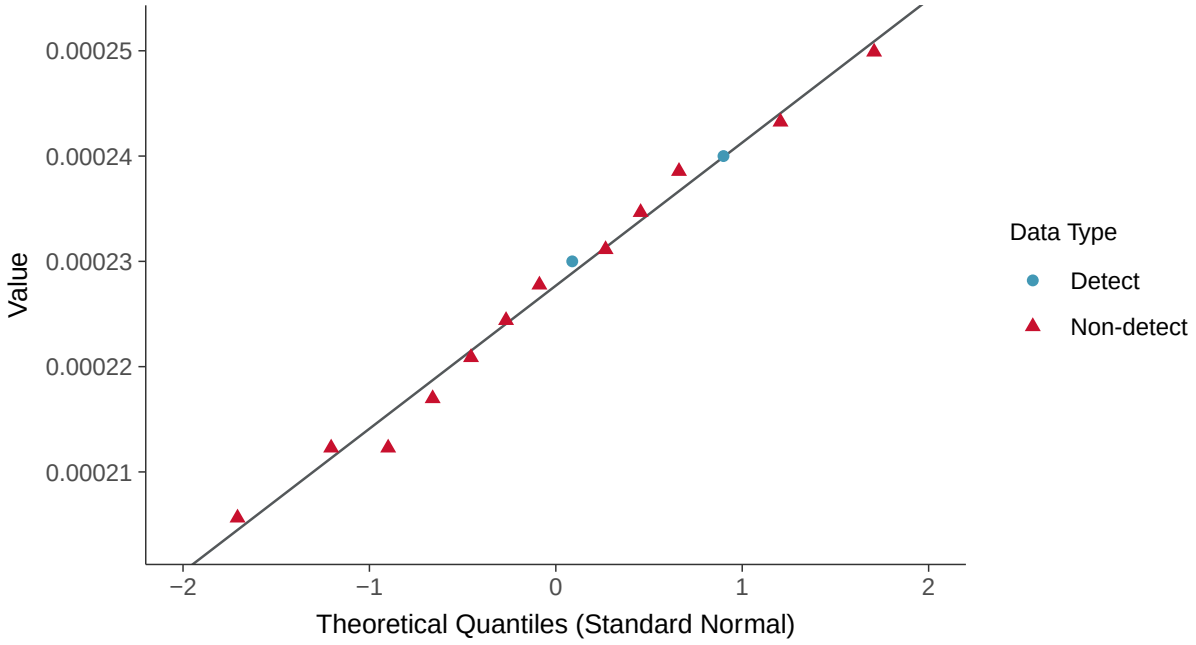
Boxplot by Season

Cadmium, MW-16A (mg/l)



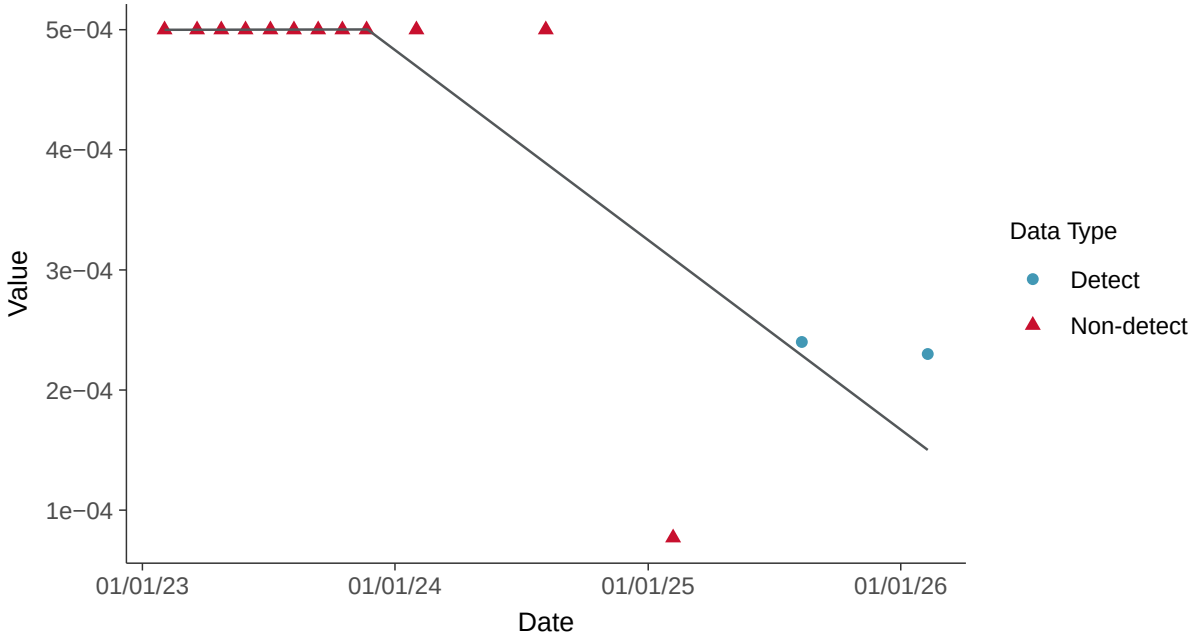
Normal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-16A (mg/l)



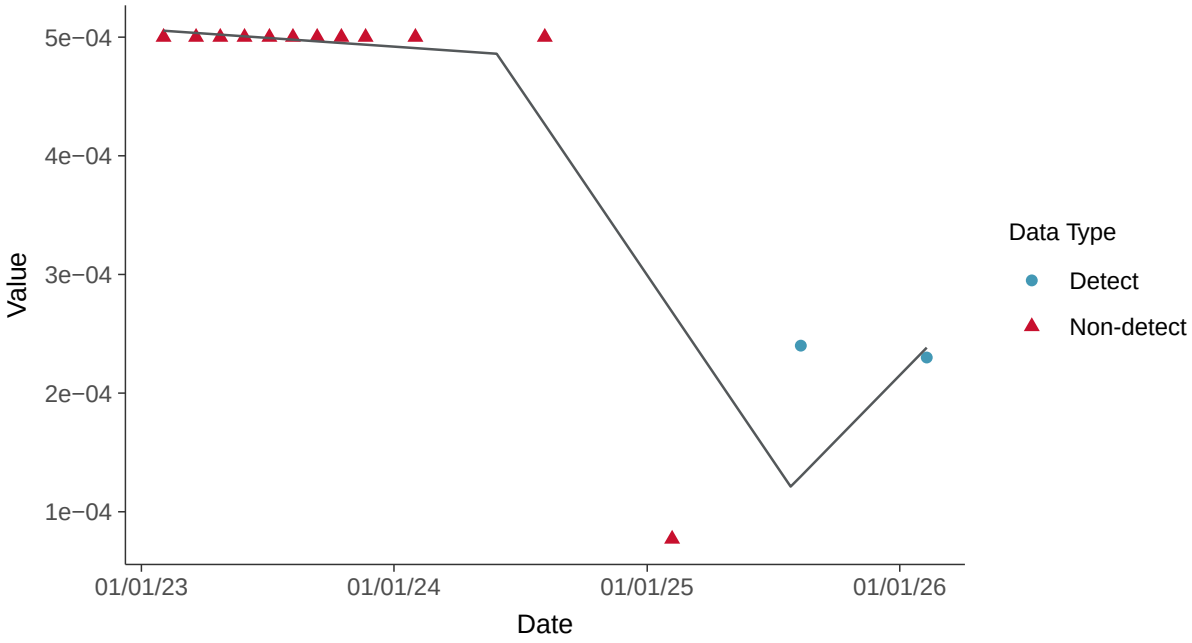
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-16A (mg/l)



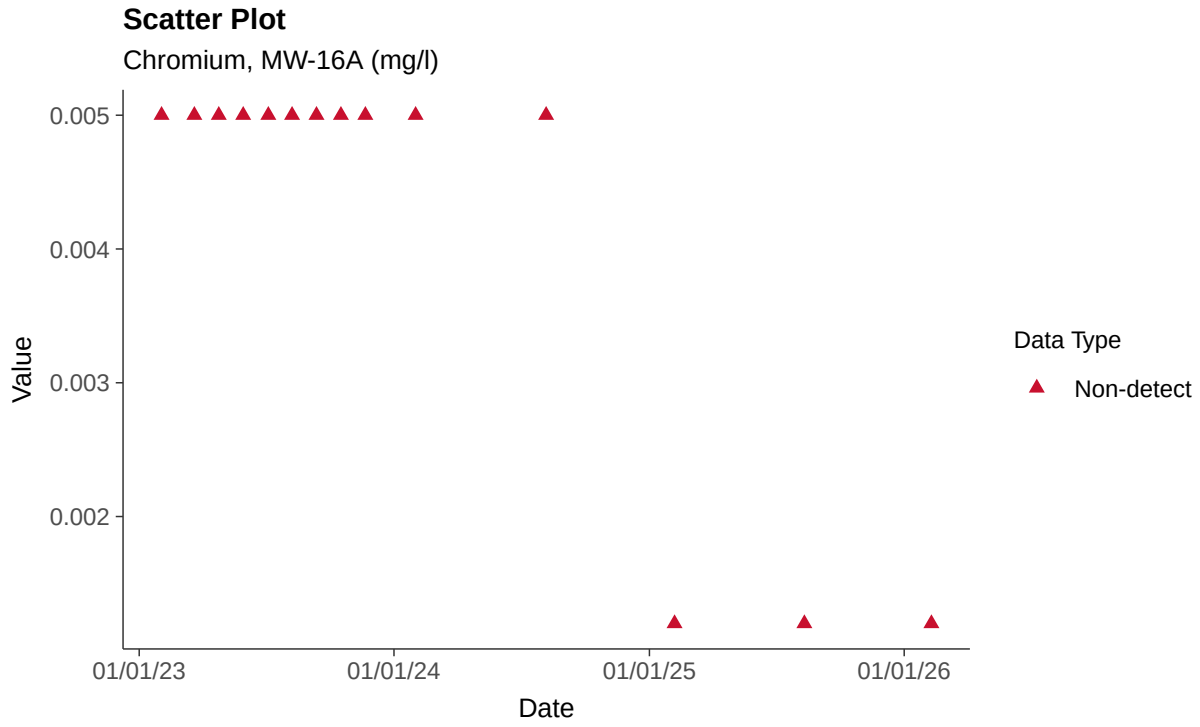
Trend Regression: Piecewise Linear-Linear-Linear

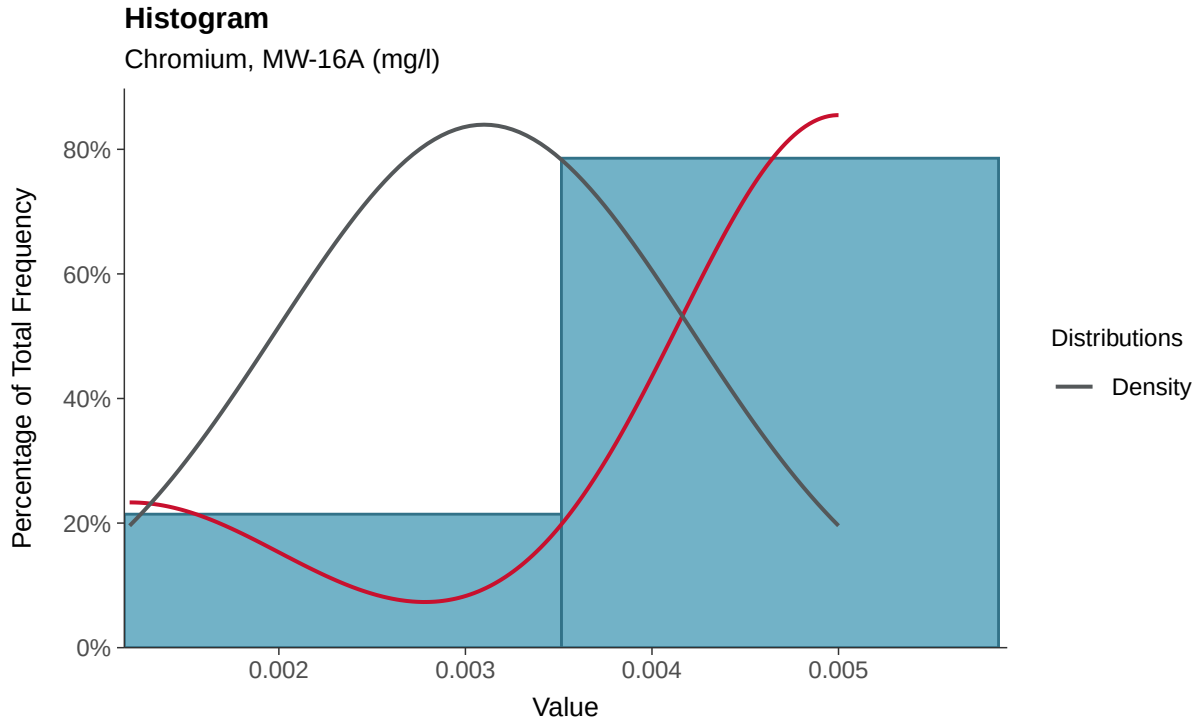
Cadmium, MW-16A (mg/l)



Appendix IV: Chromium, MW-16A

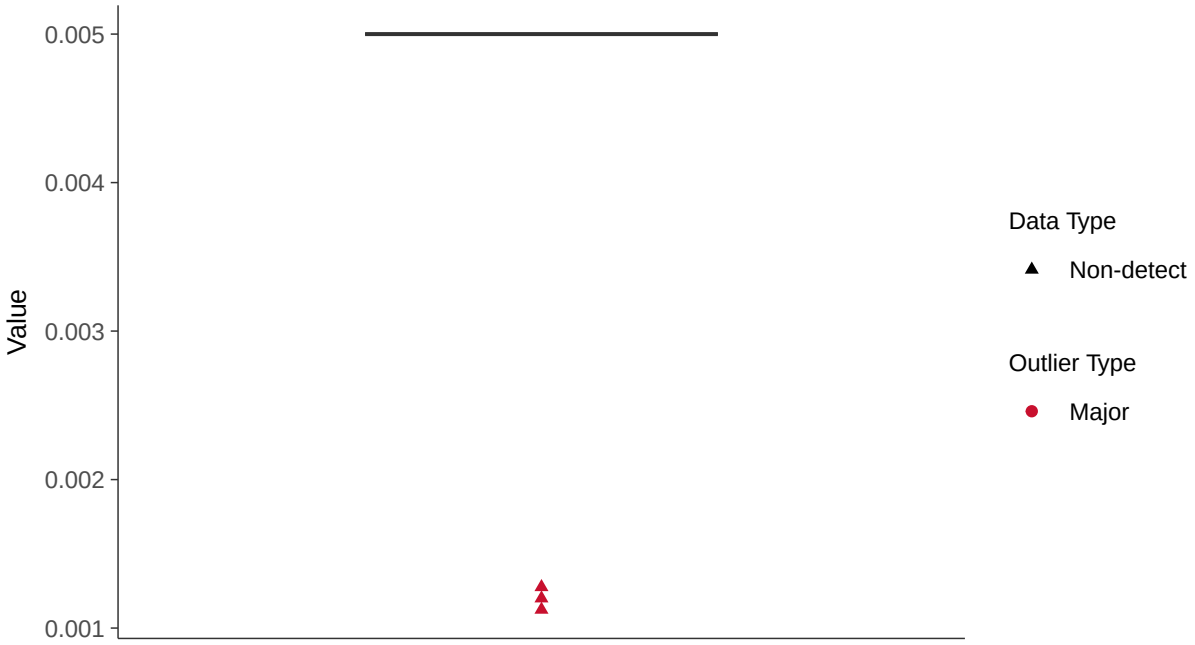
ID: 23_3_109





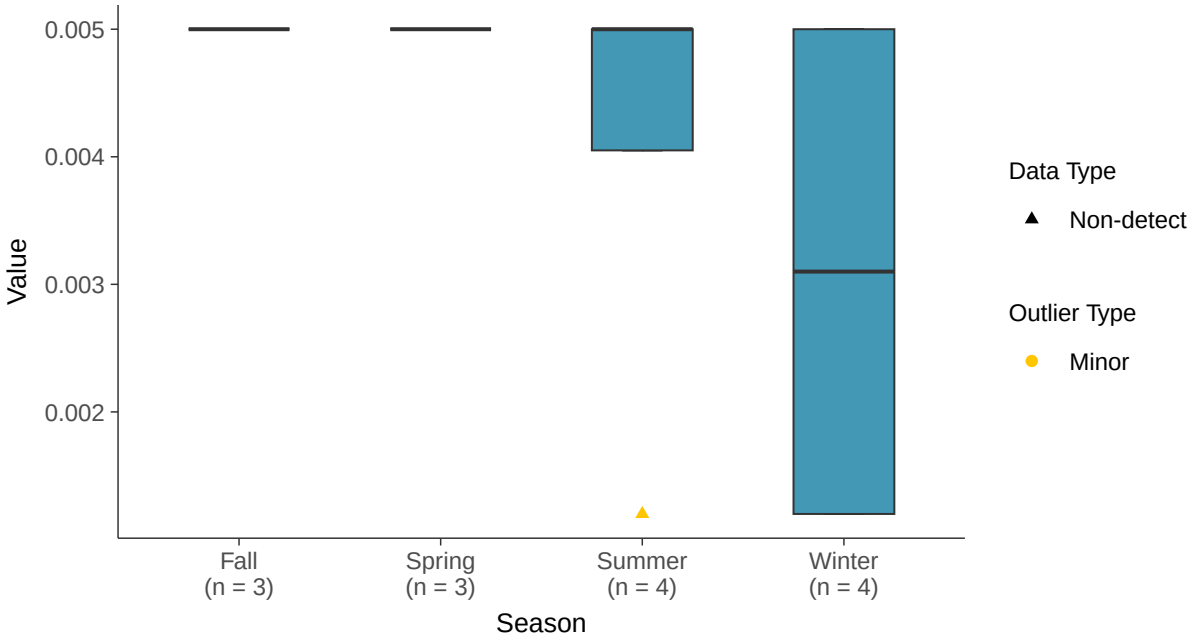
Boxplot

Chromium, MW-16A (mg/l)



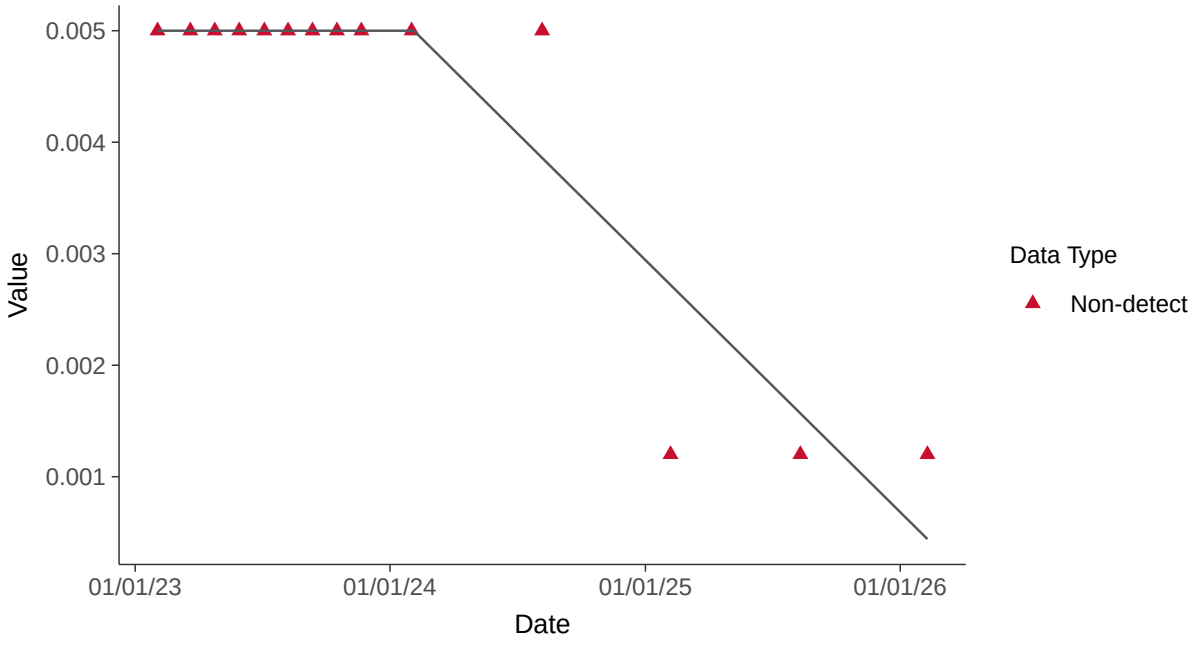
Boxplot by Season

Chromium, MW-16A (mg/l)



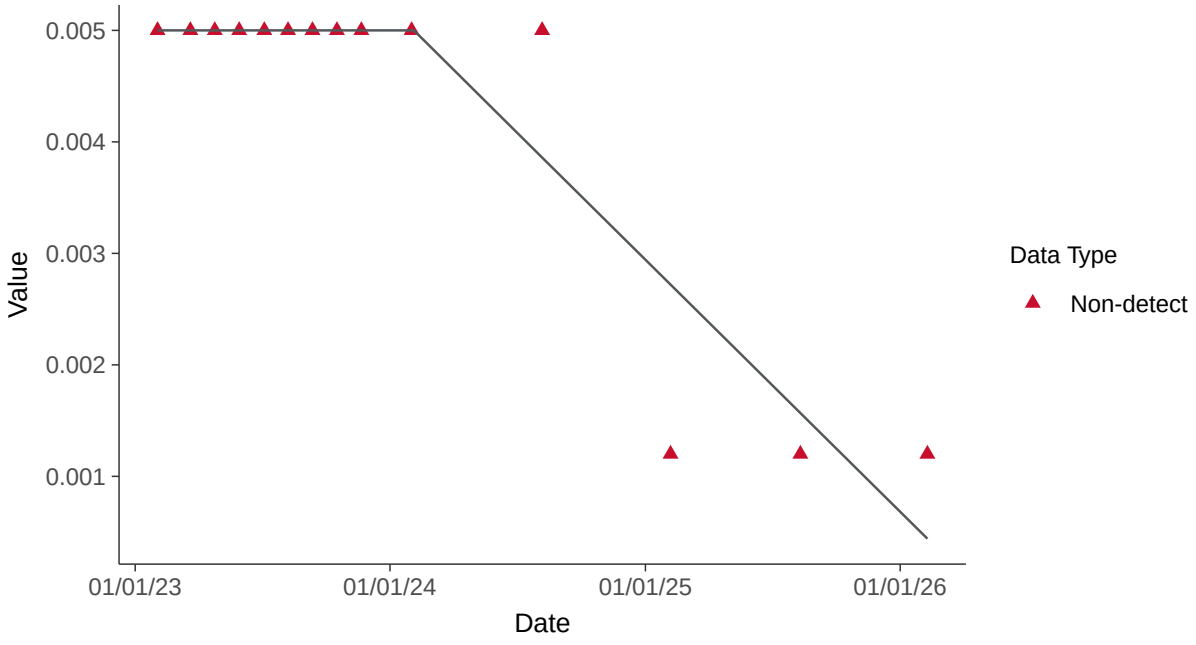
Trend Regression: Piecewise Linear-Linear

Chromium, MW-16A (mg/l)



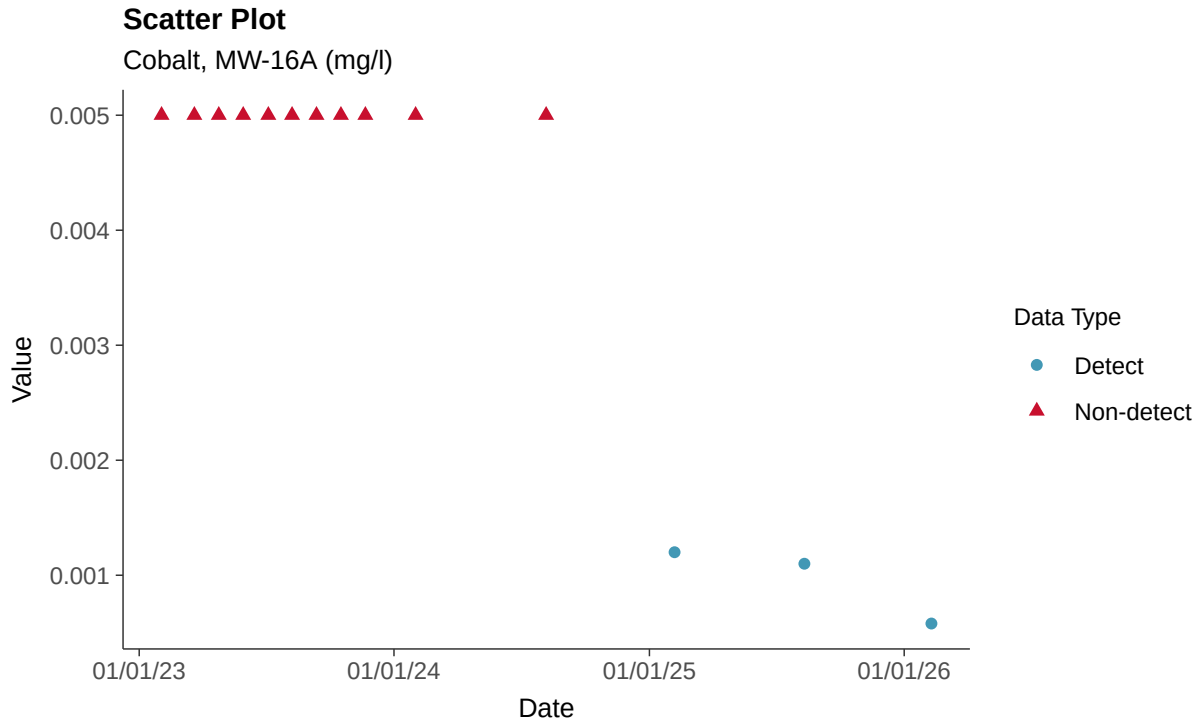
Trend Regression: Piecewise Linear-Linear-Linear

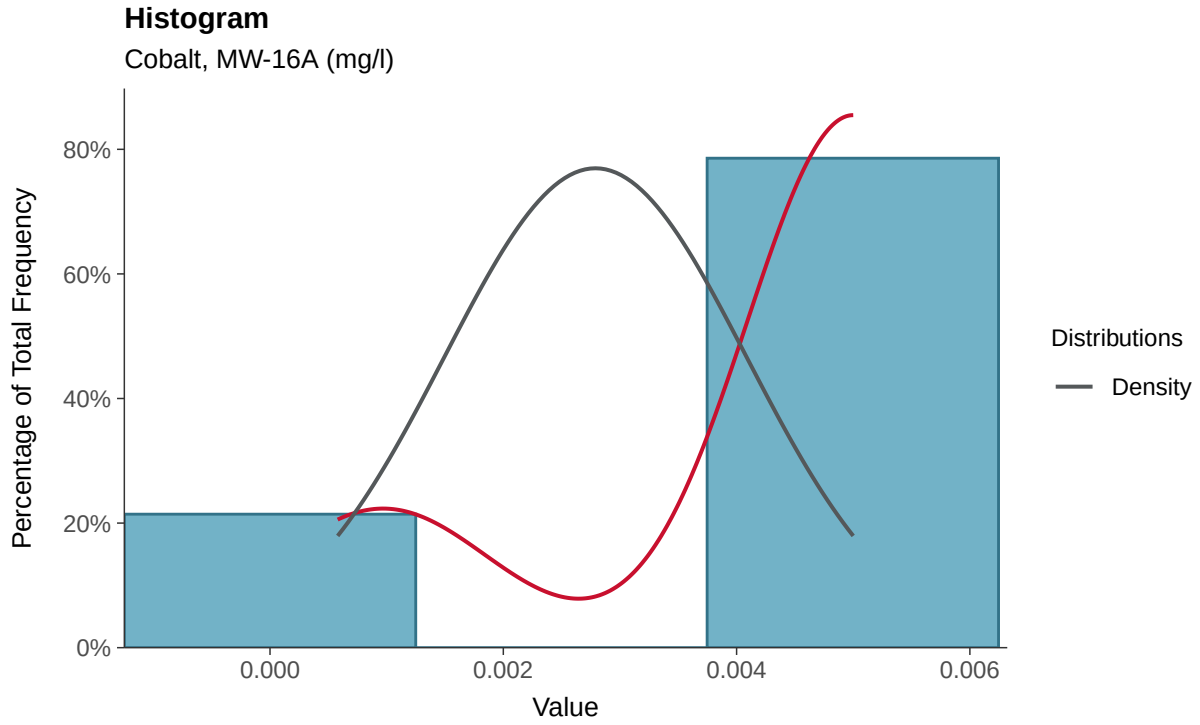
Chromium, MW-16A (mg/l)



Appendix IV: Cobalt, MW-16A

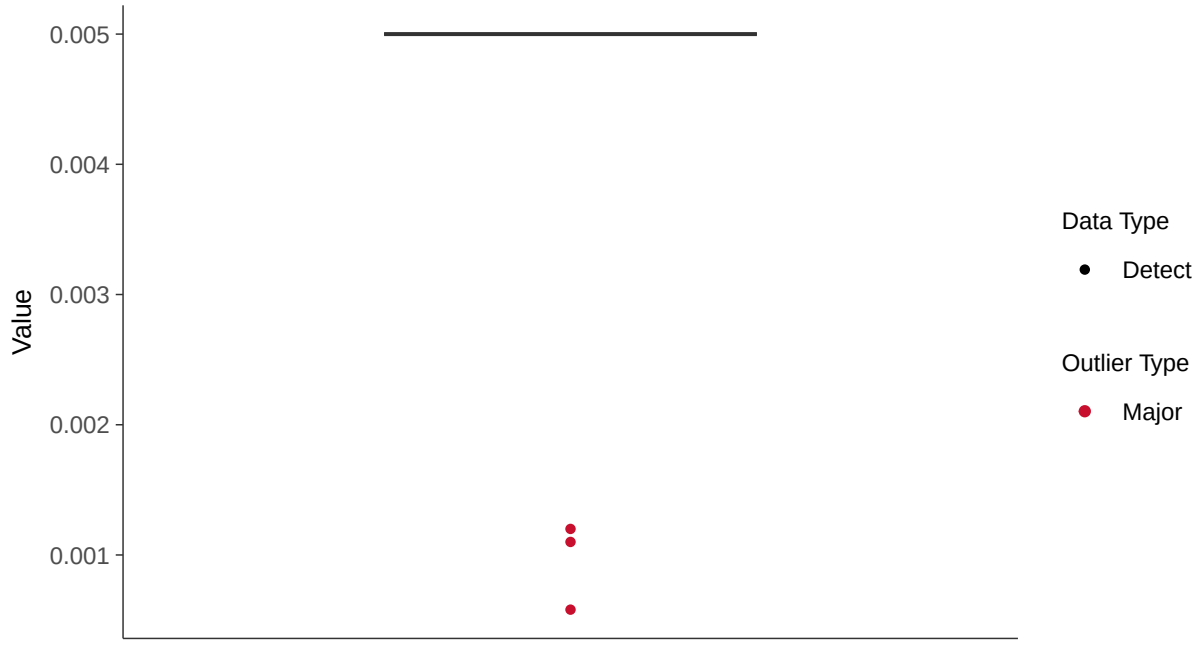
ID: 23_3_110





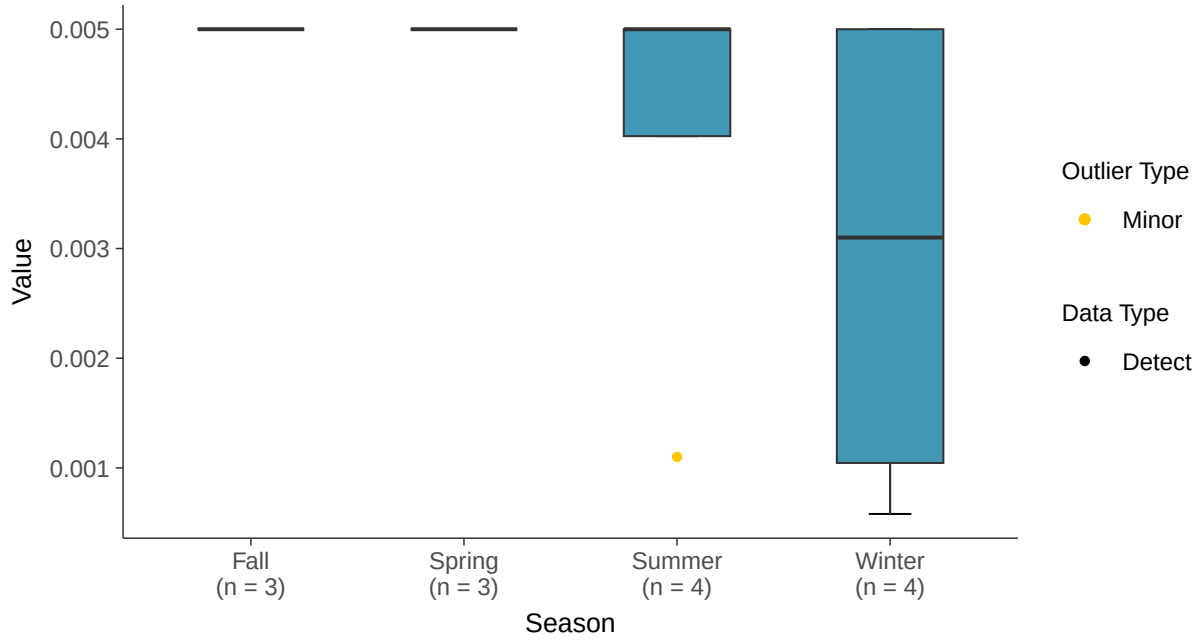
Boxplot

Cobalt, MW-16A (mg/l)



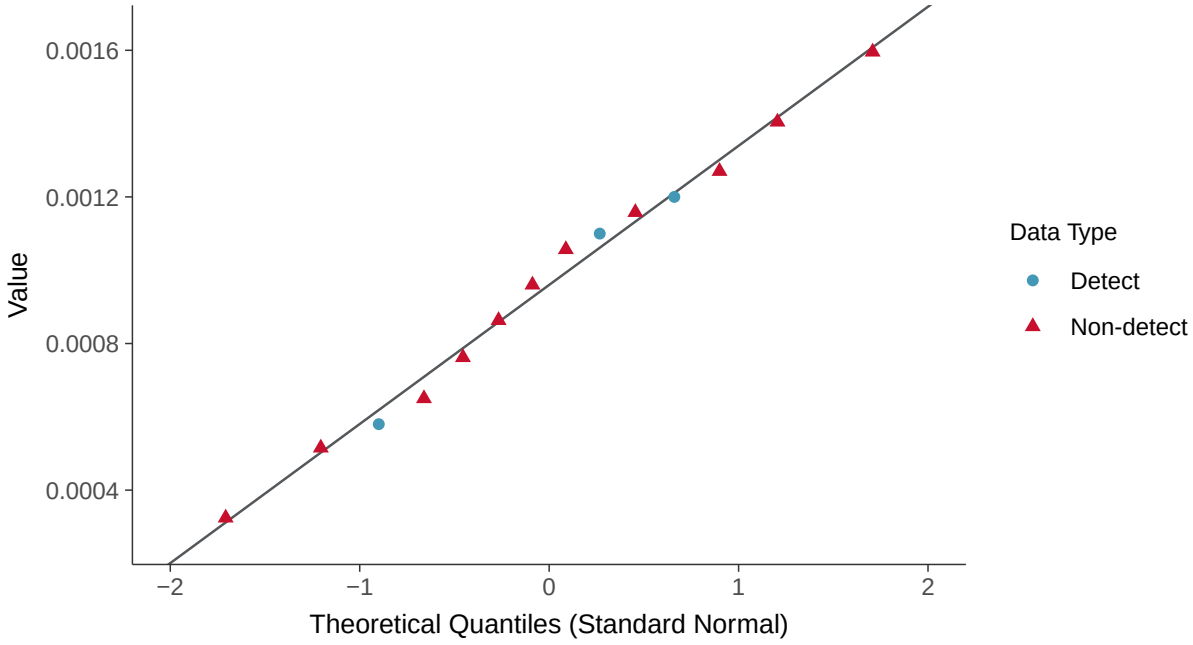
Boxplot by Season

Cobalt, MW-16A (mg/l)



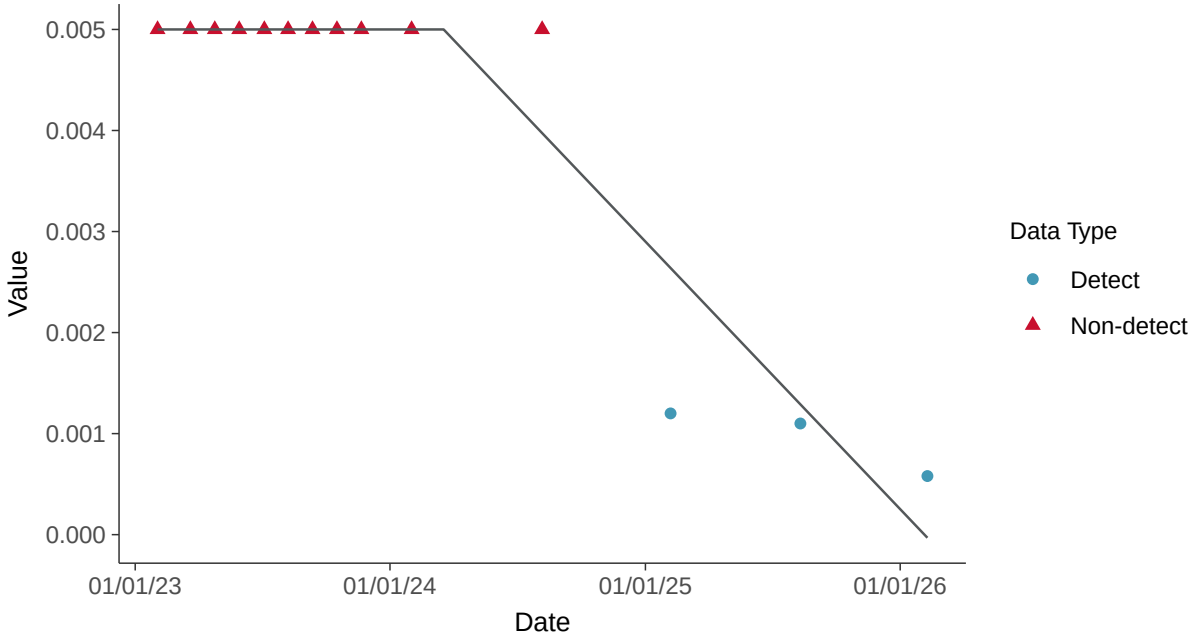
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-16A (mg/l)



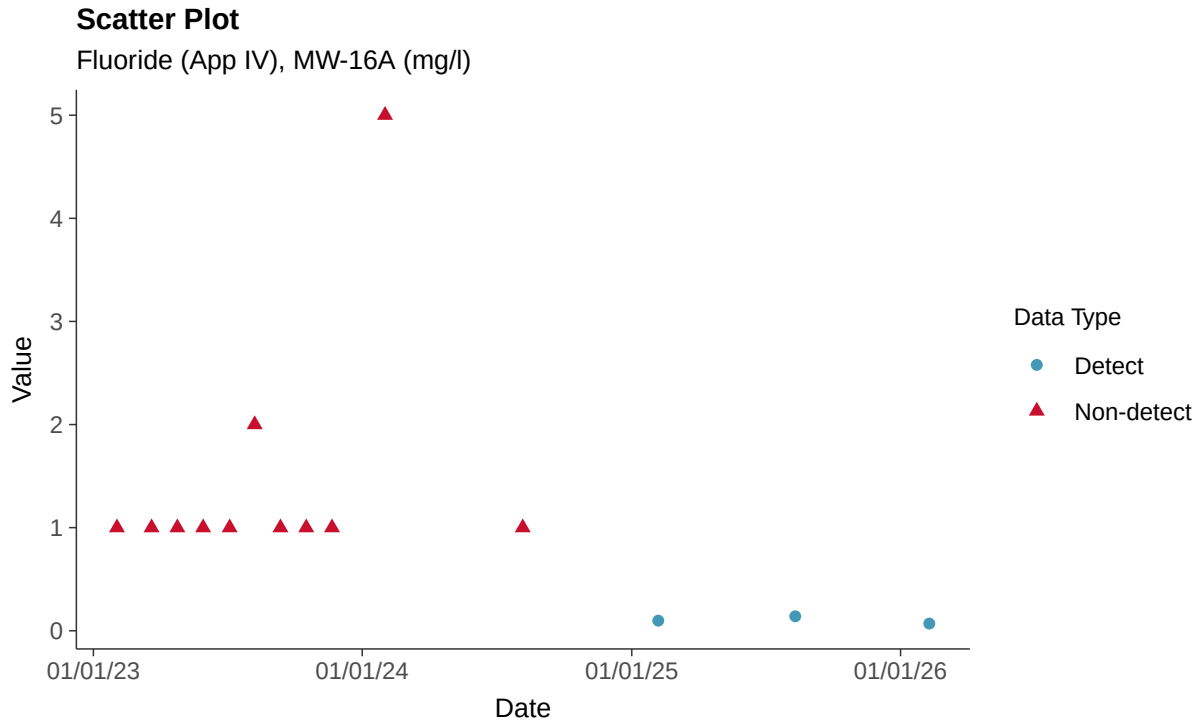
Trend Regression: Piecewise Linear-Linear

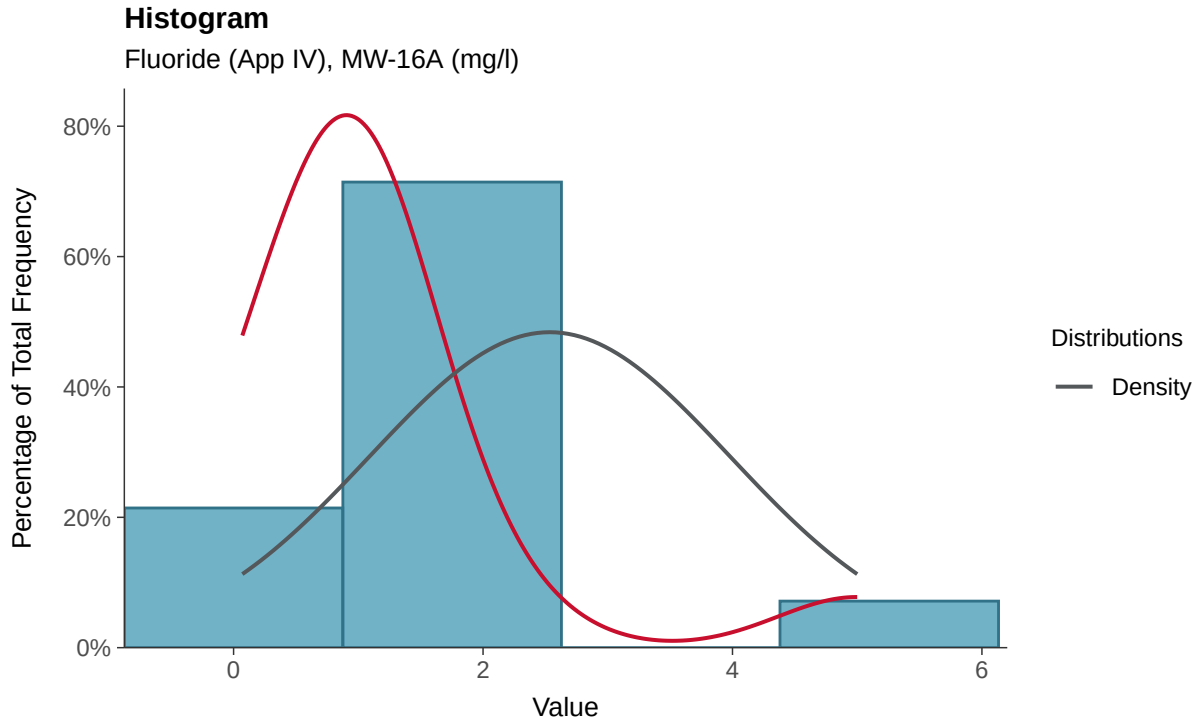
Cobalt, MW-16A (mg/l)



Appendix IV: Fluoride (App IV), MW-16A

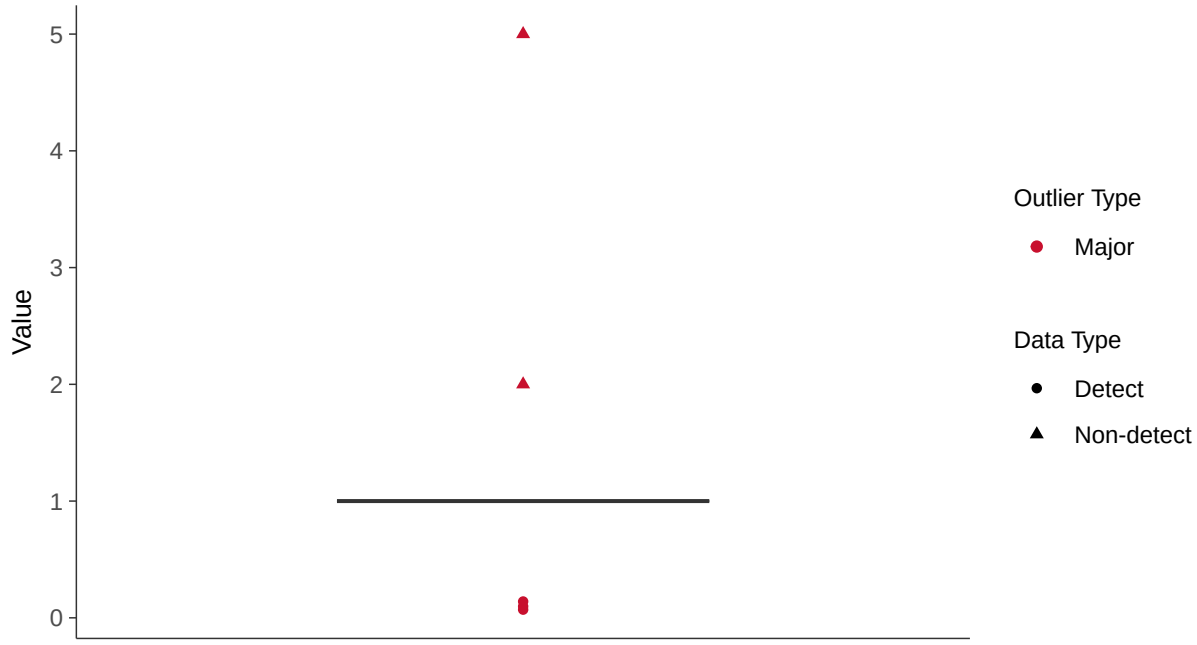
ID: 23_3_113





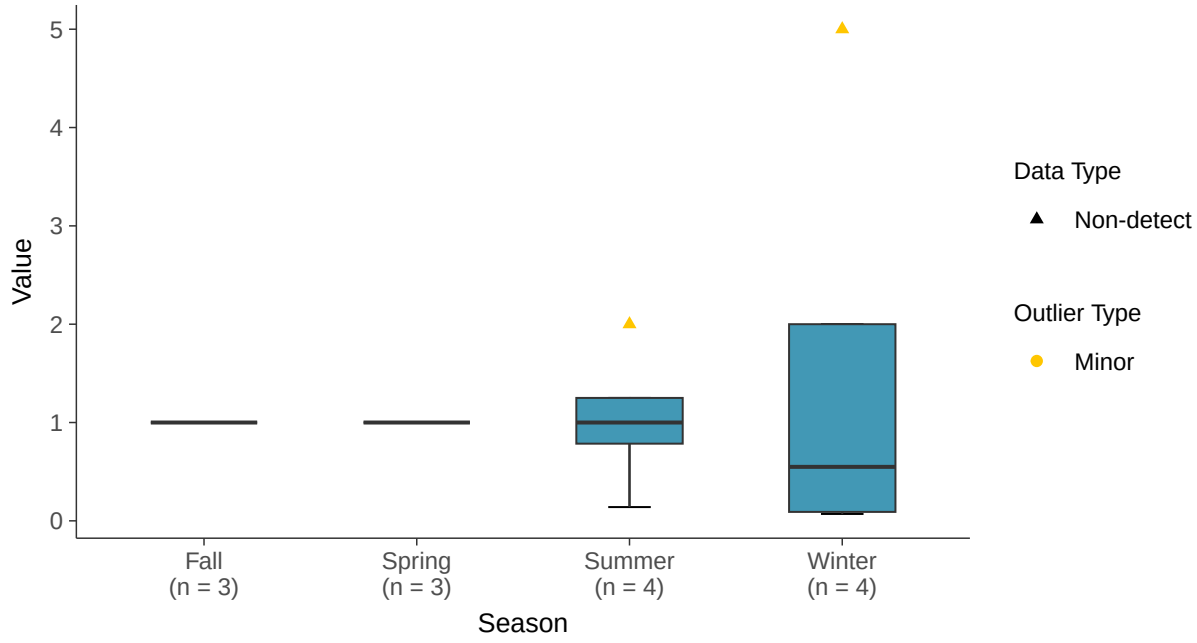
Boxplot

Fluoride (App IV), MW-16A (mg/l)



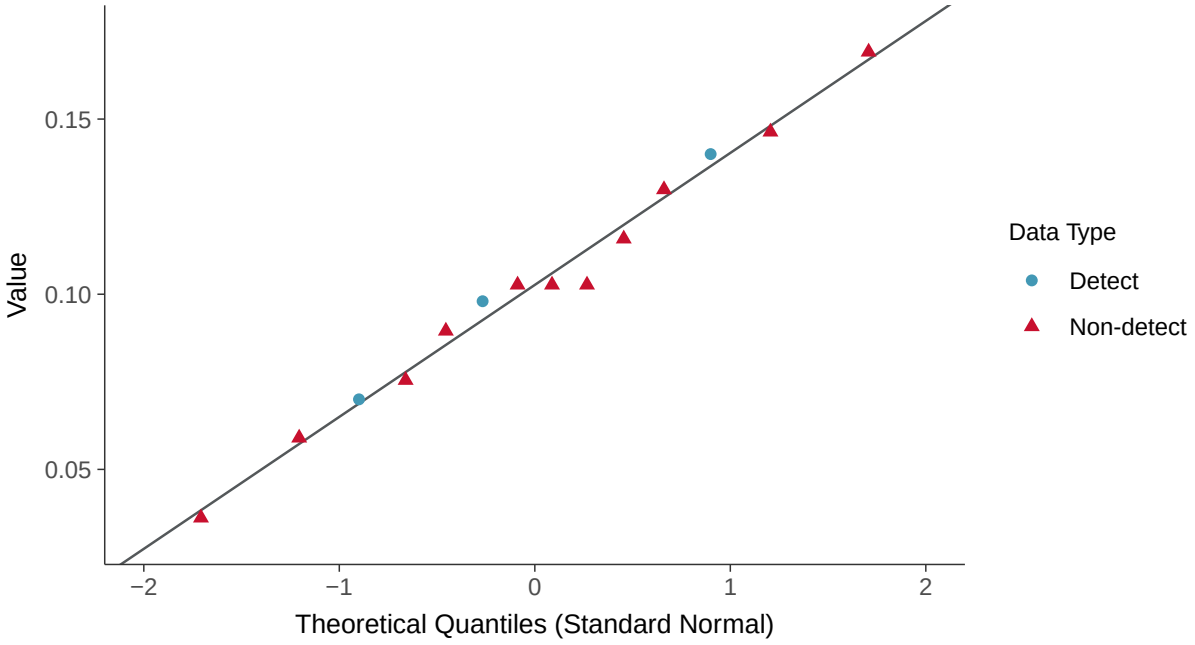
Boxplot by Season

Fluoride (App IV), MW-16A (mg/l)



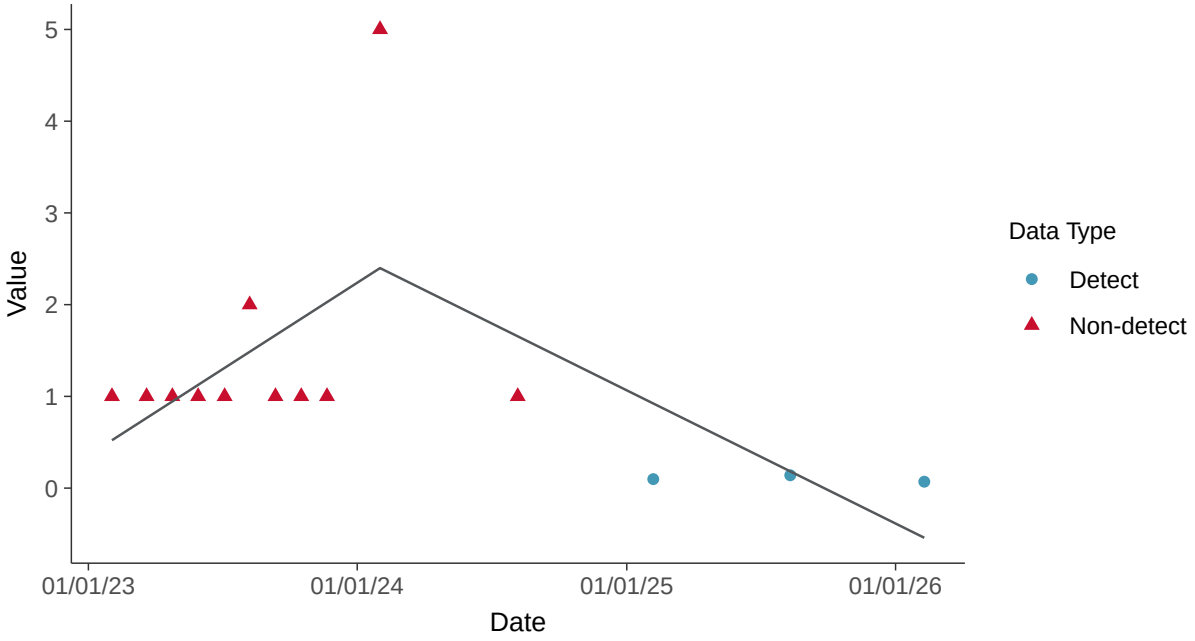
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-16A (mg/l)



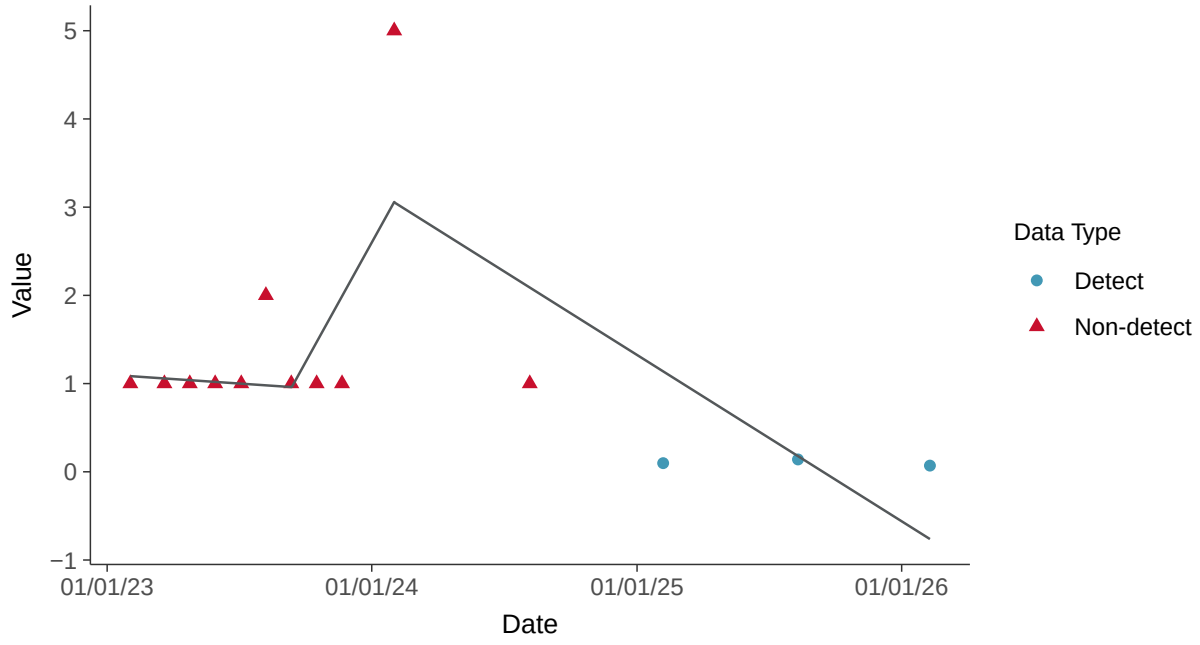
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-16A (mg/l)



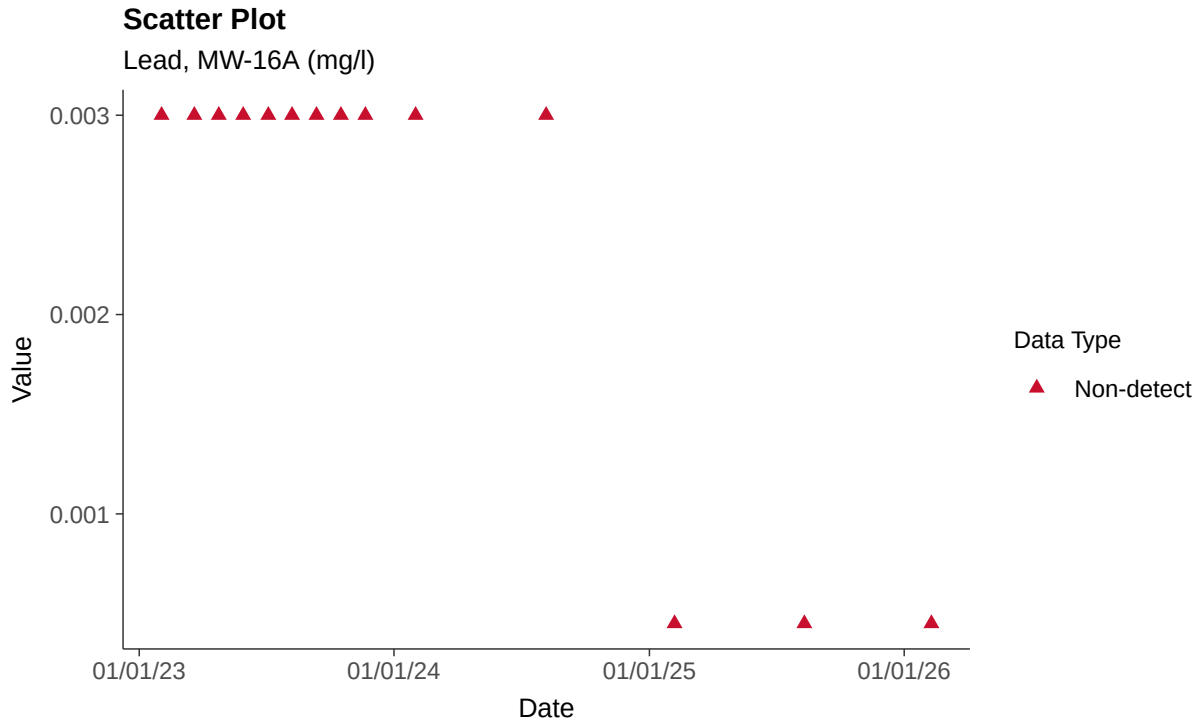
Trend Regression: Piecewise Linear-Linear-Linear

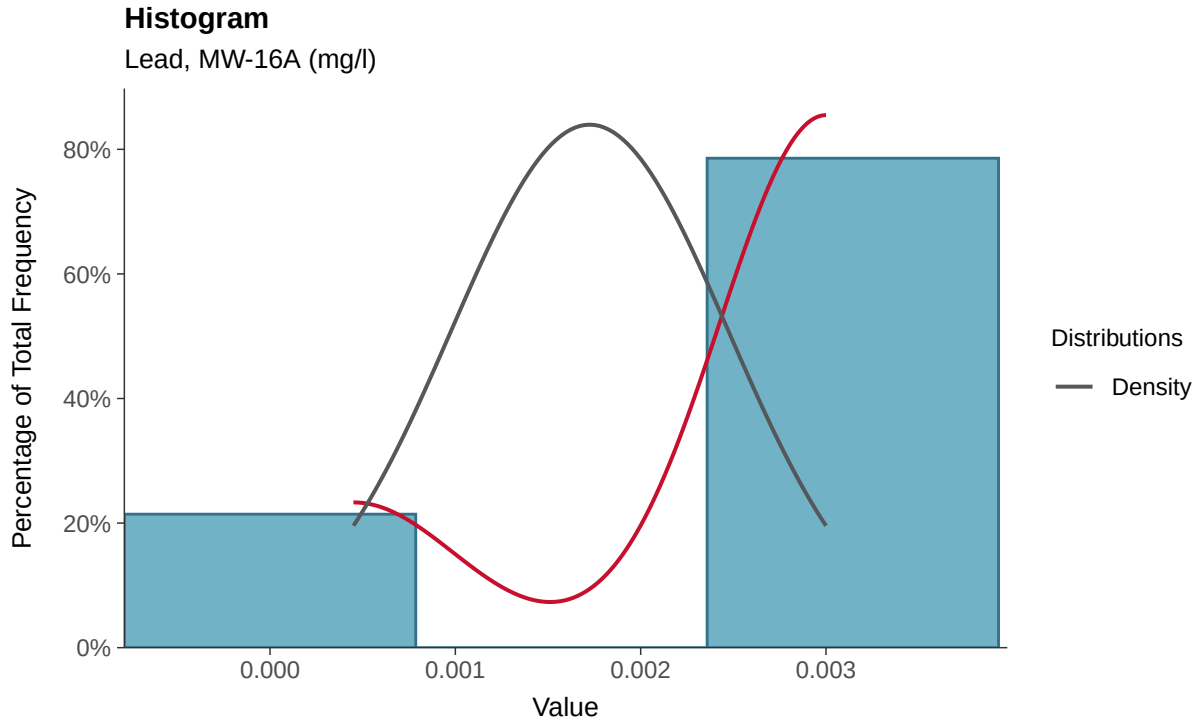
Fluoride (App IV), MW-16A (mg/l)



Appendix IV: Lead, MW-16A

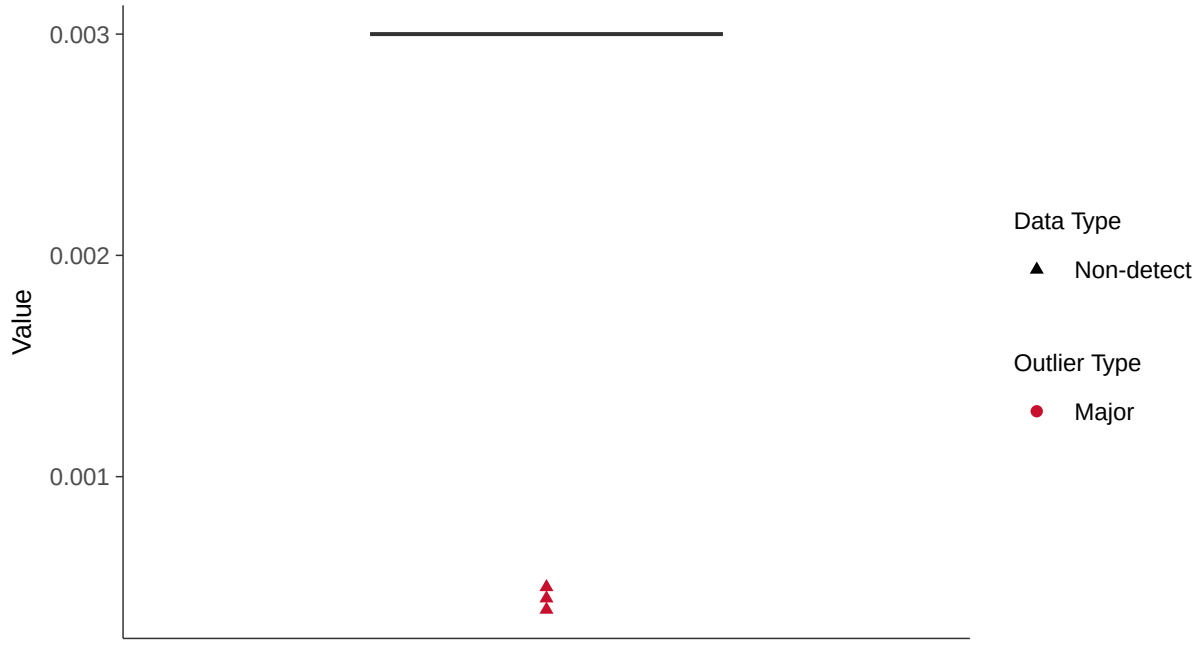
ID: 23_3_115





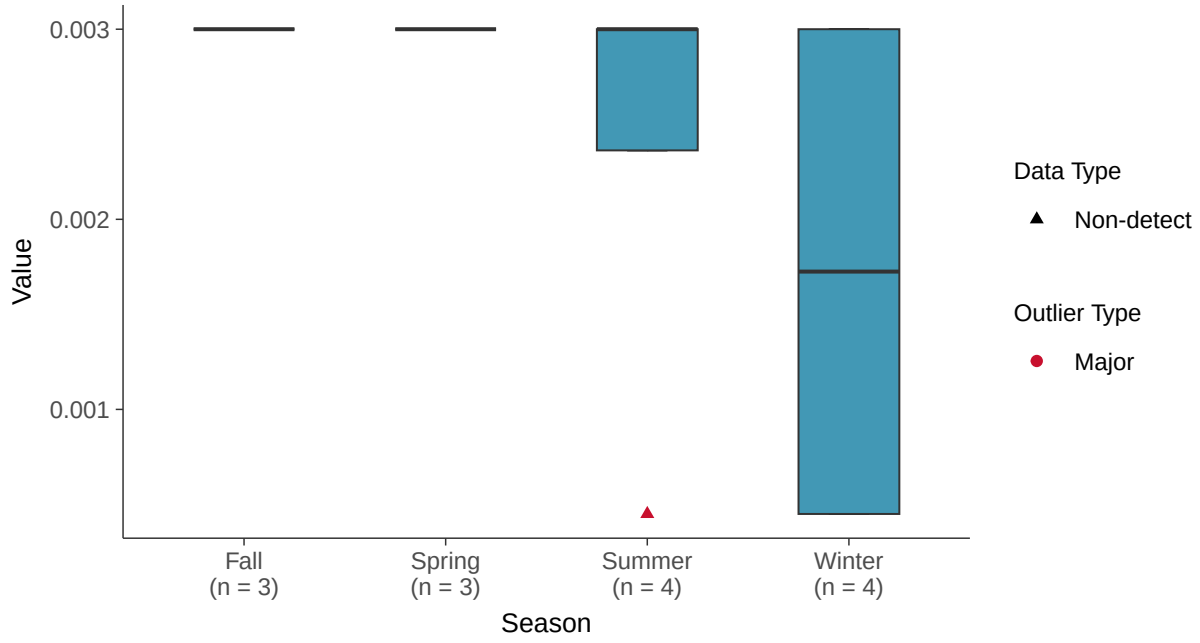
Boxplot

Lead, MW-16A (mg/l)



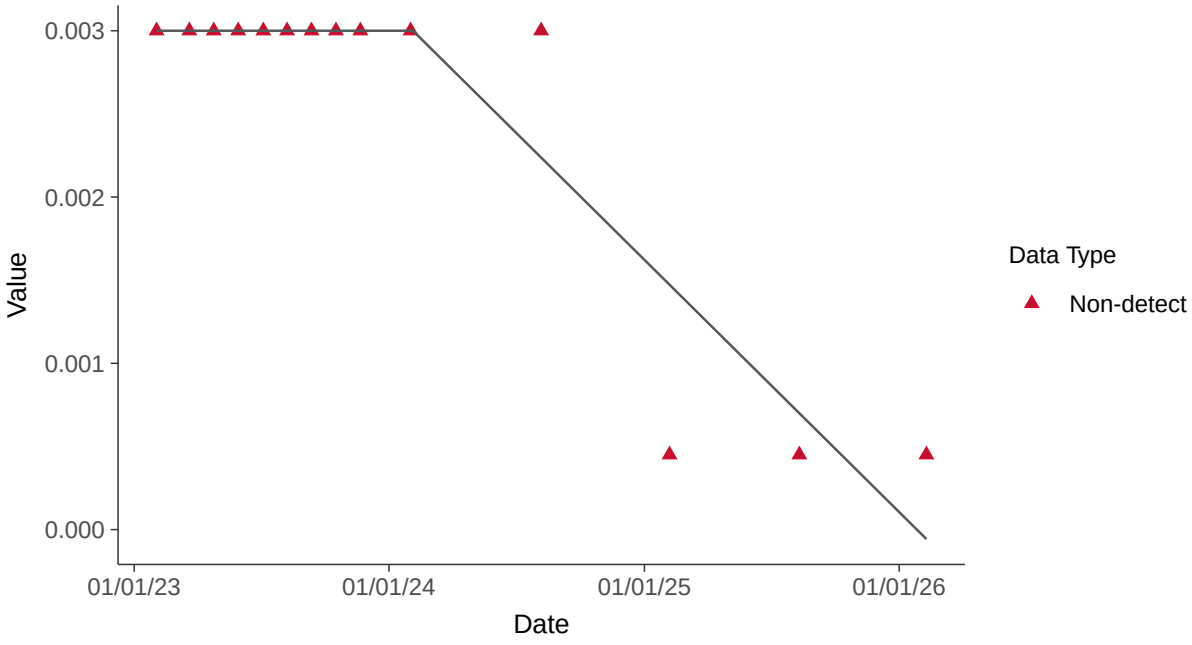
Boxplot by Season

Lead, MW-16A (mg/l)



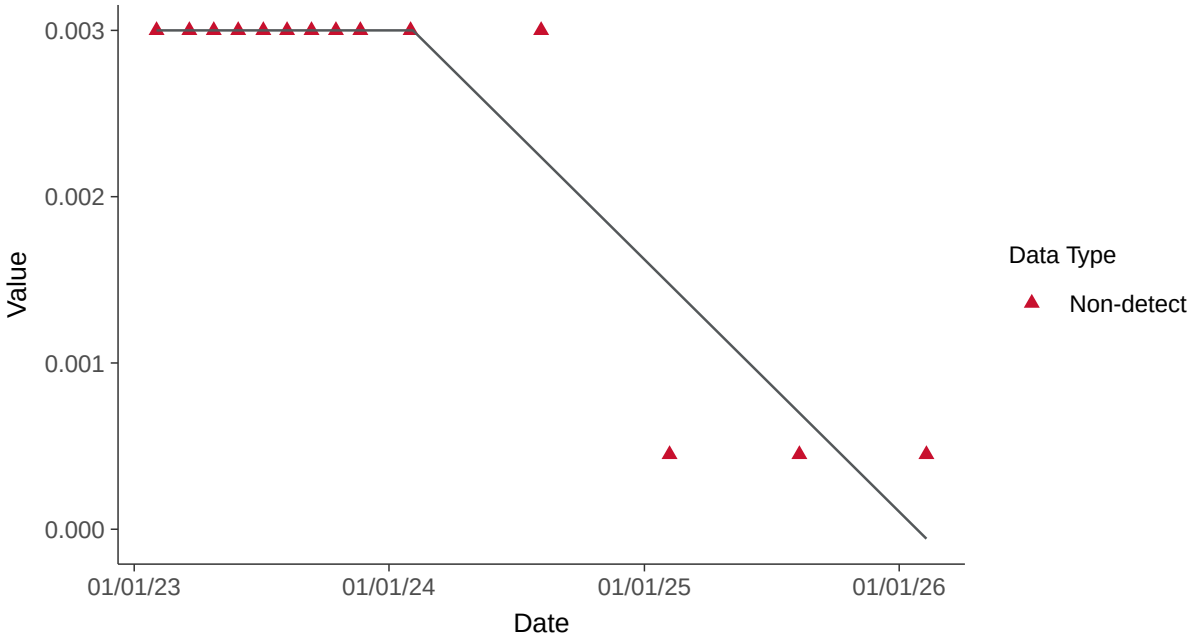
Trend Regression: Piecewise Linear-Linear

Lead, MW-16A (mg/l)



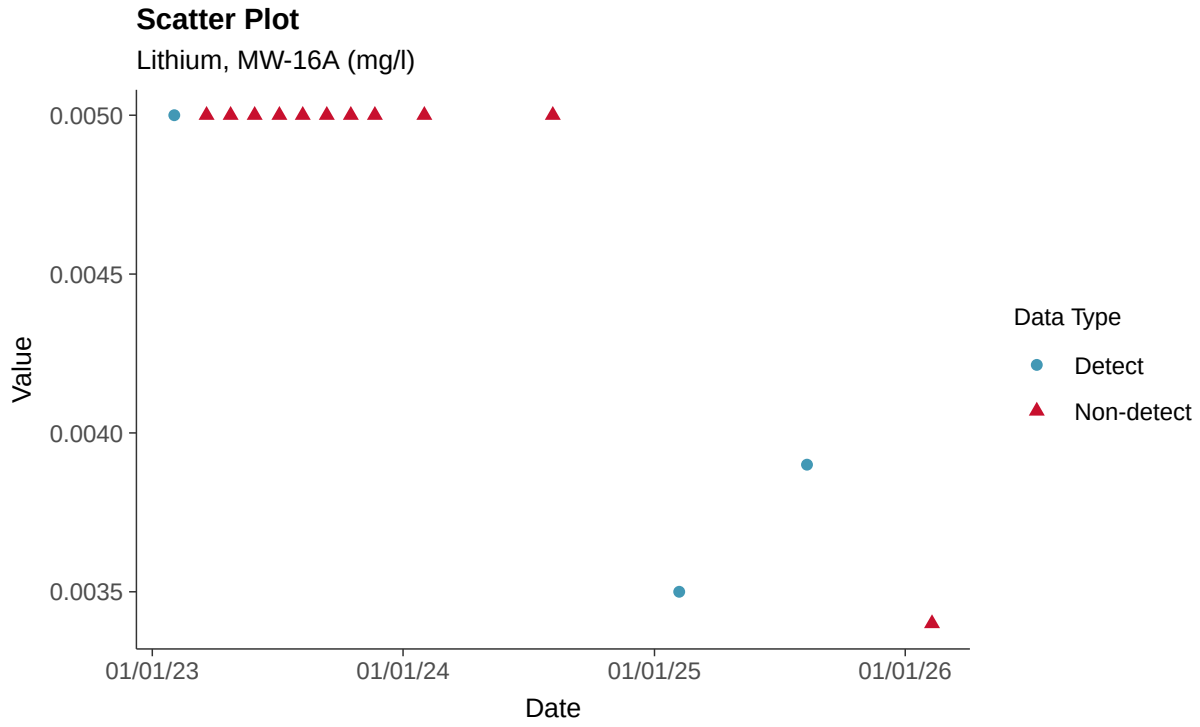
Trend Regression: Piecewise Linear-Linear-Linear

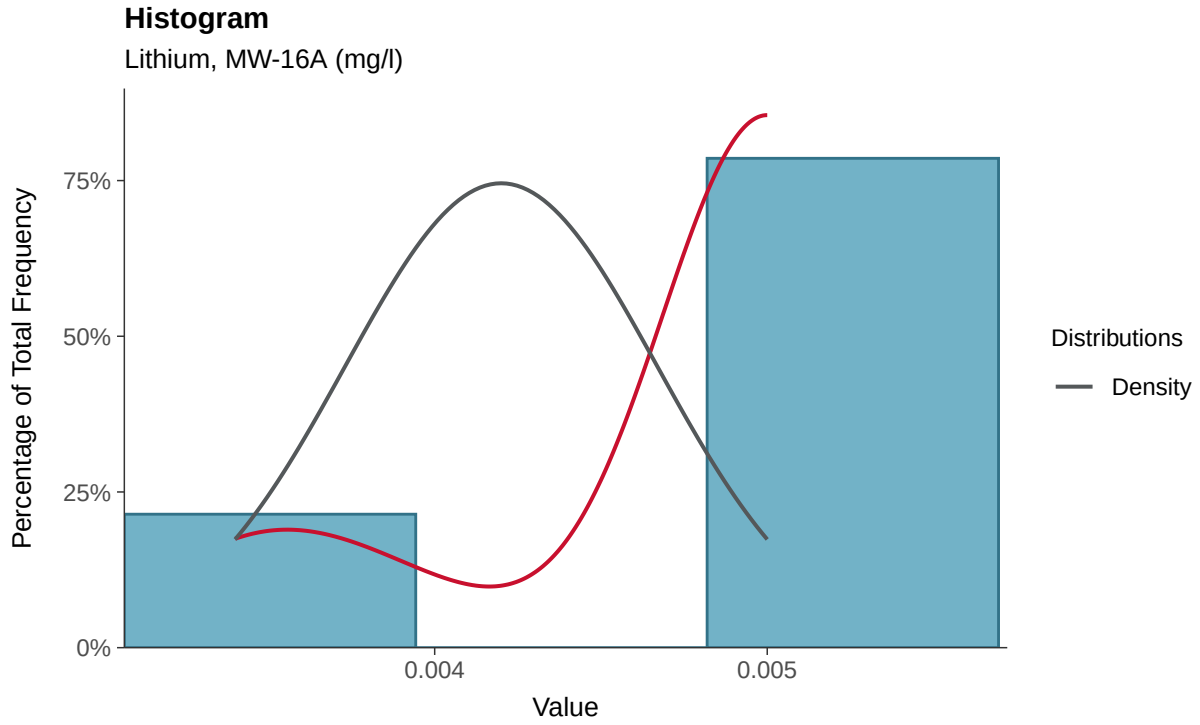
Lead, MW-16A (mg/l)



Appendix IV: Lithium, MW-16A

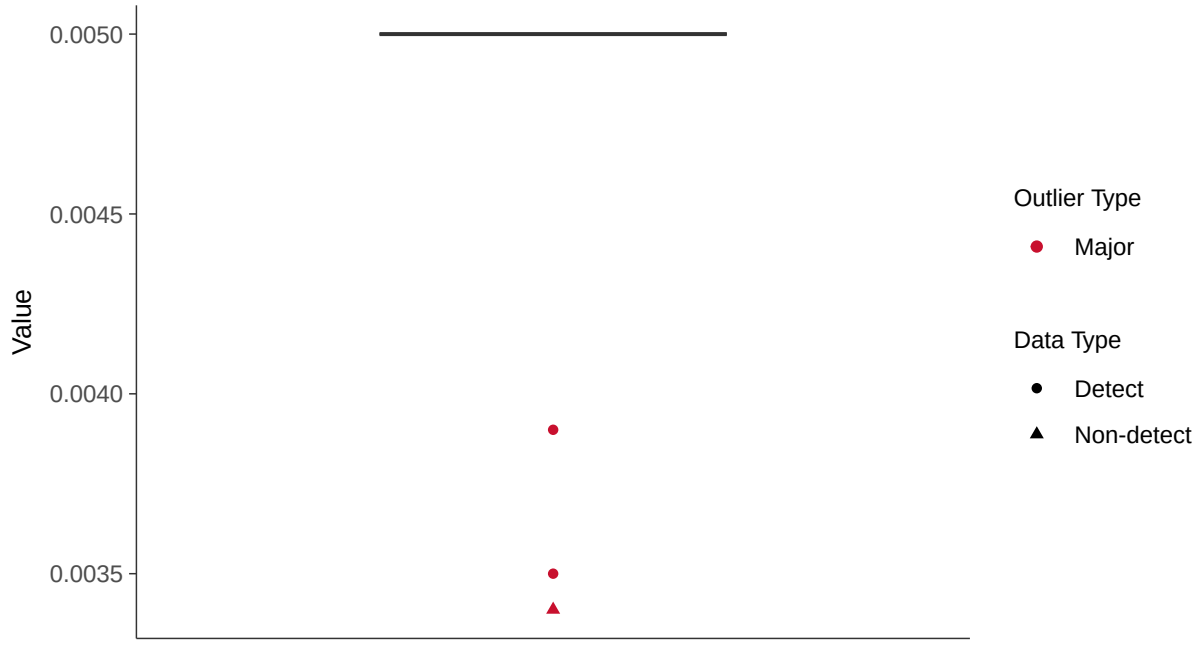
ID: 23_3_116





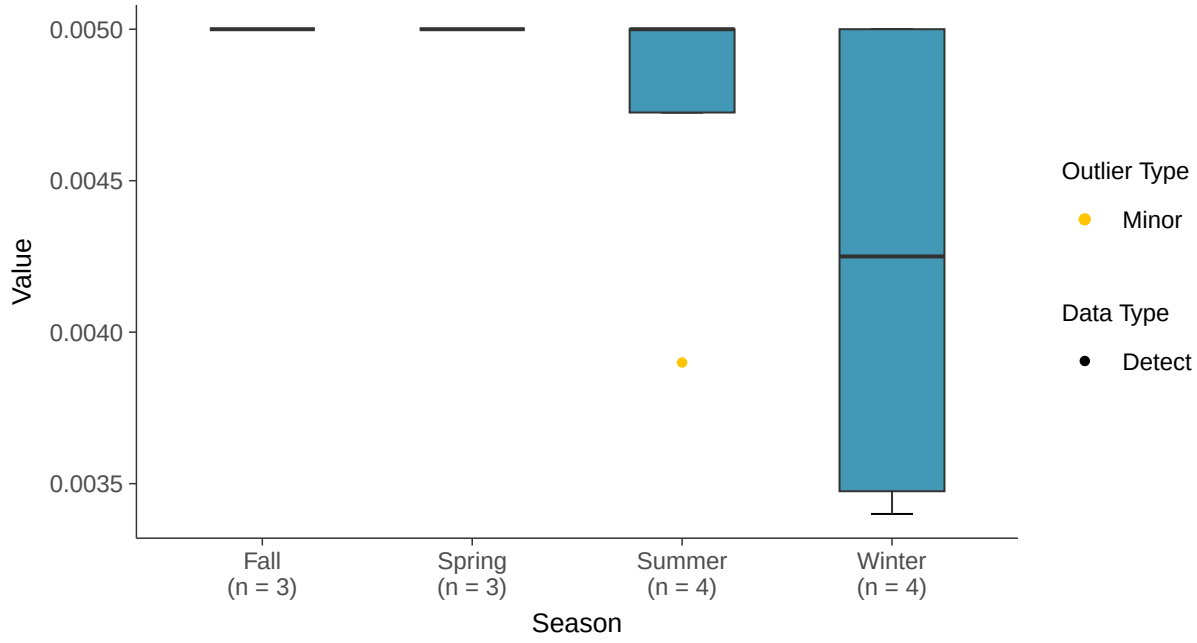
Boxplot

Lithium, MW-16A (mg/l)



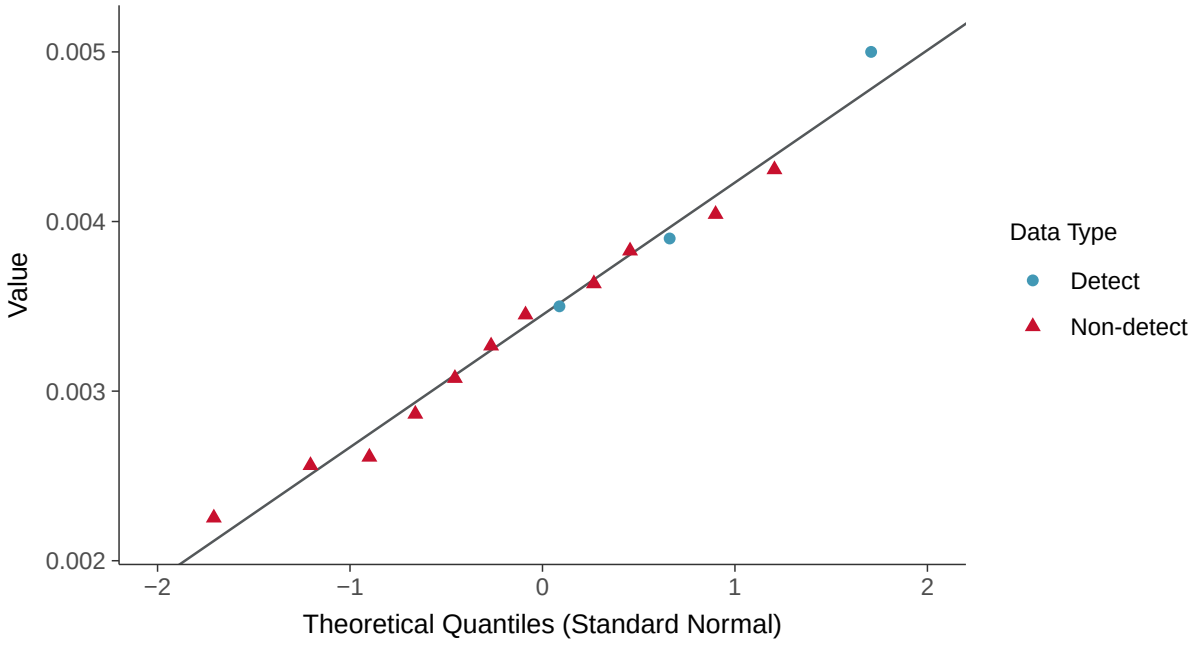
Boxplot by Season

Lithium, MW-16A (mg/l)



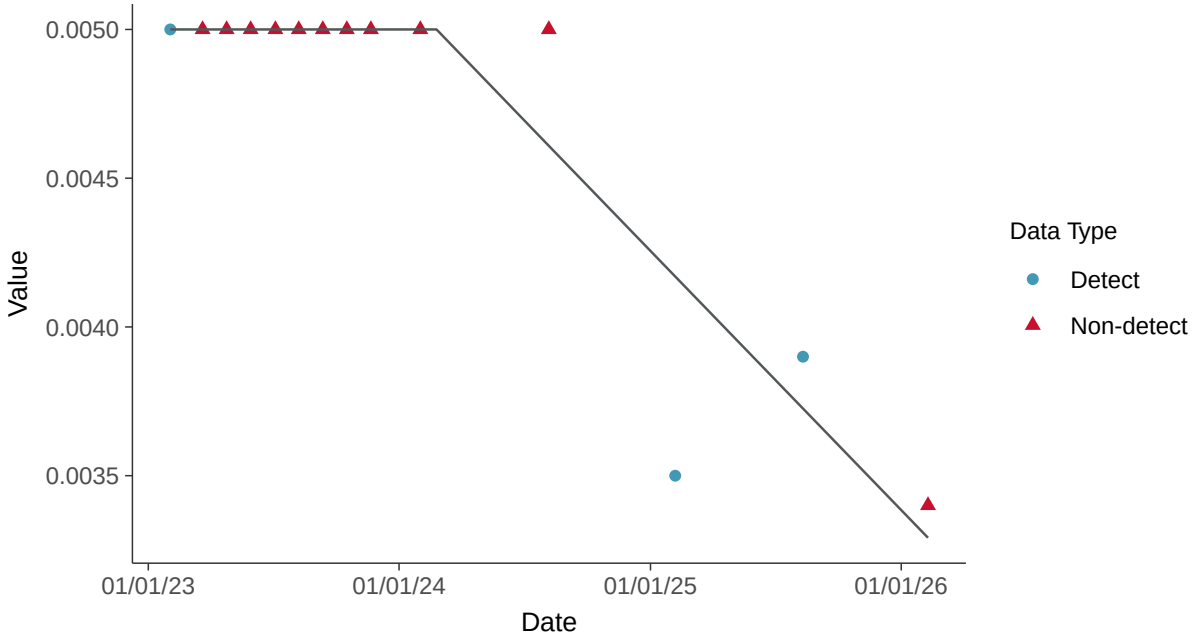
Normal Q-Q plot using ROS Imputed Estimates

Lithium, MW-16A (mg/l)



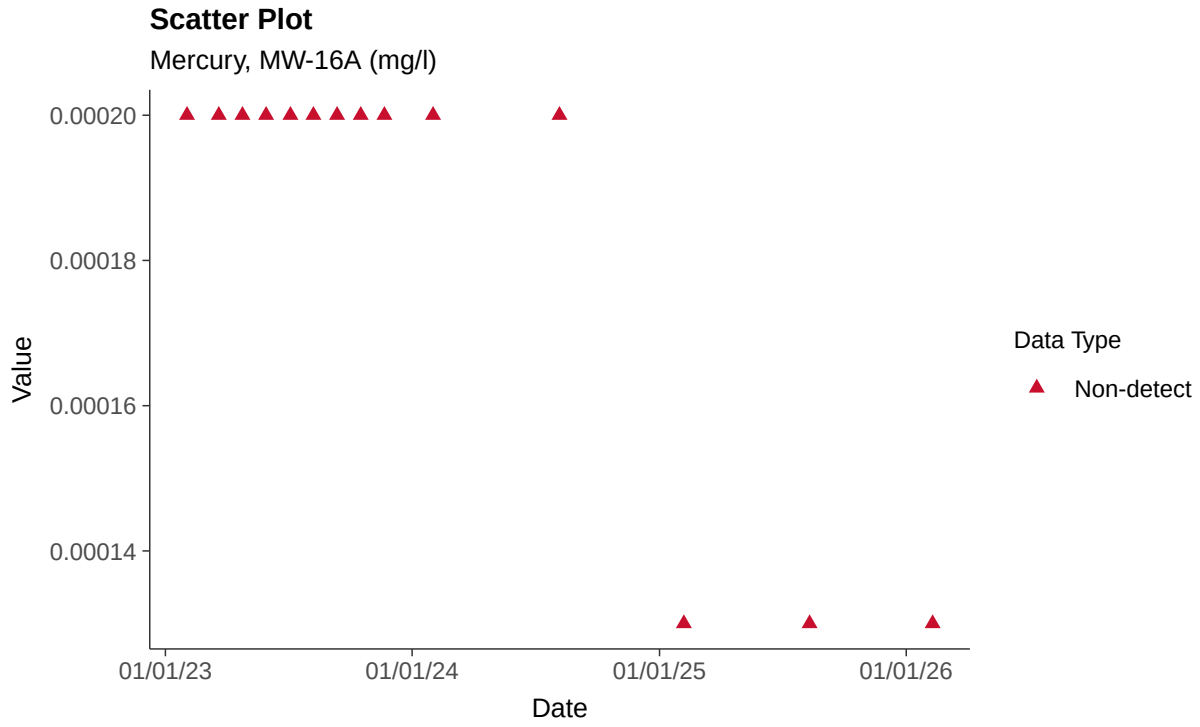
Trend Regression: Piecewise Linear-Linear

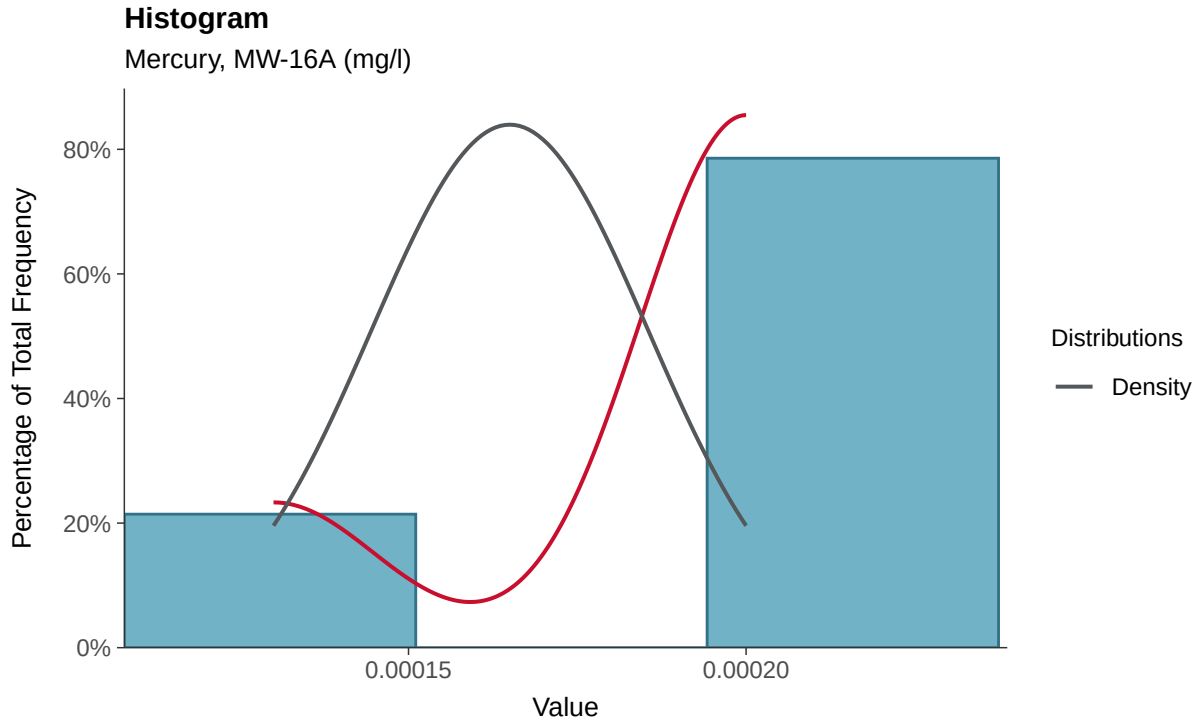
Lithium, MW-16A (mg/l)



Appendix IV: Mercury, MW-16A

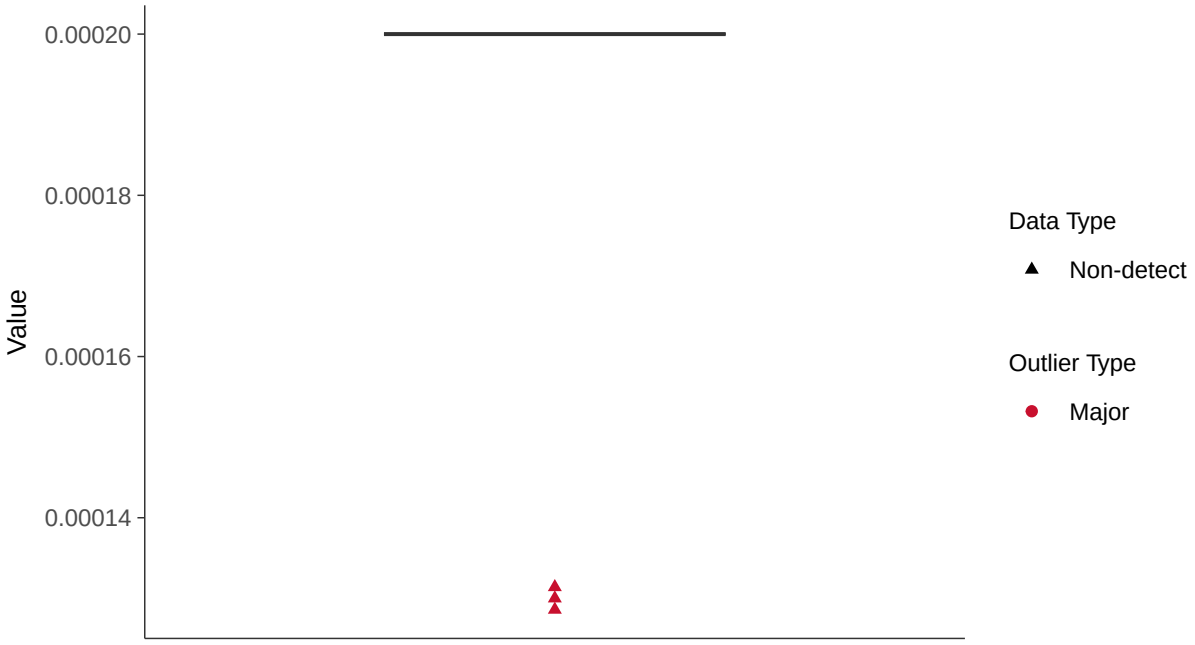
ID: 23_3_117





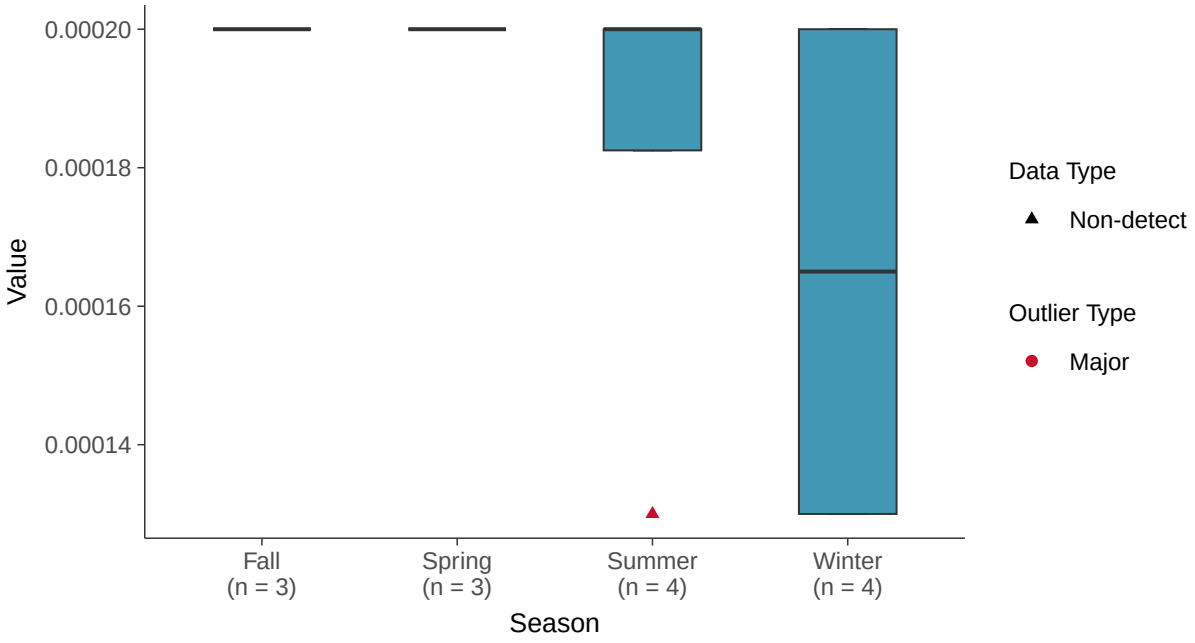
Boxplot

Mercury, MW-16A (mg/l)



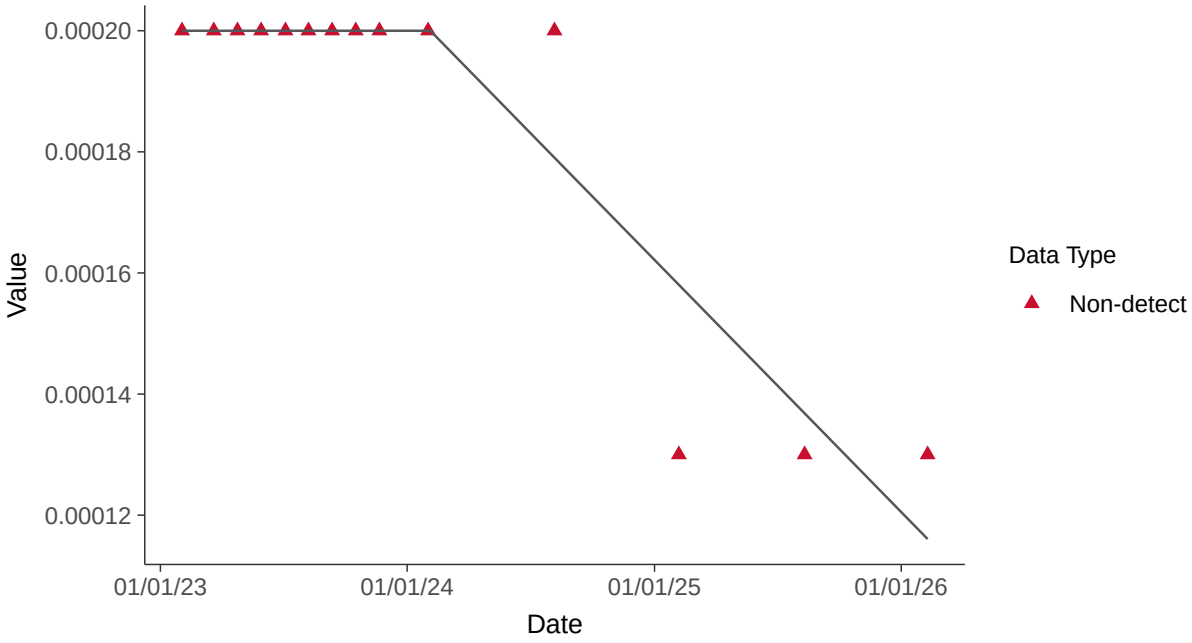
Boxplot by Season

Mercury, MW-16A (mg/l)



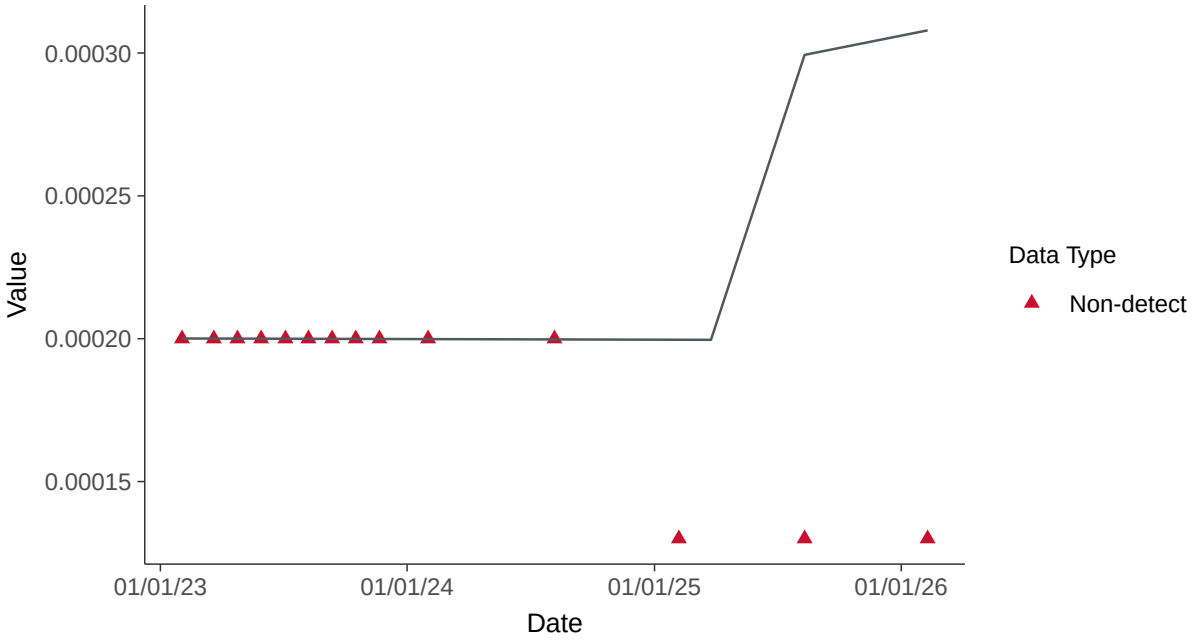
Trend Regression: Piecewise Linear-Linear

Mercury, MW-16A (mg/l)



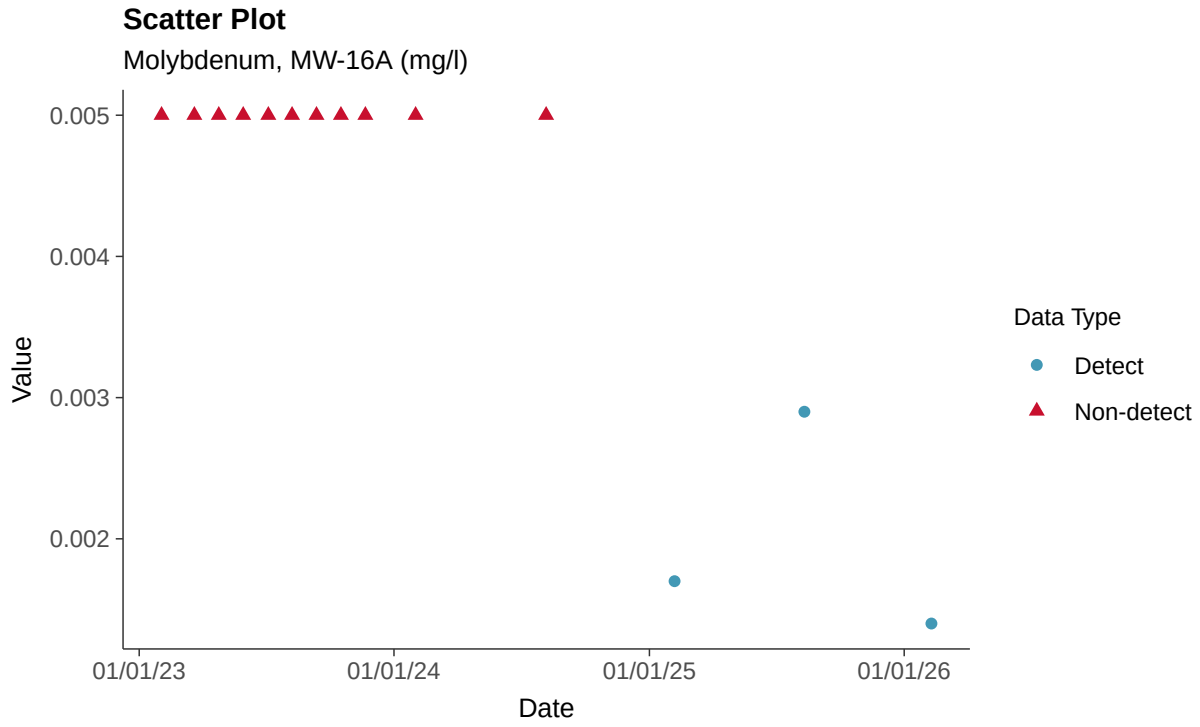
Trend Regression: Piecewise Linear-Linear-Linear

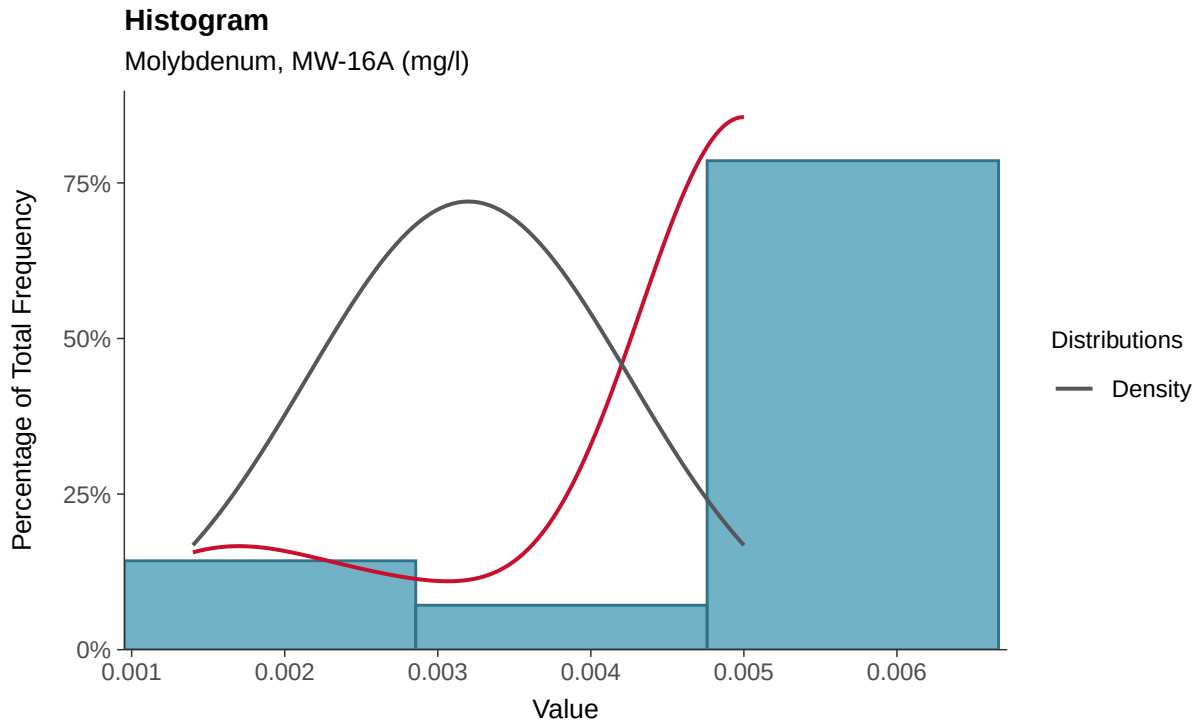
Mercury, MW-16A (mg/l)



Appendix IV: Molybdenum, MW-16A

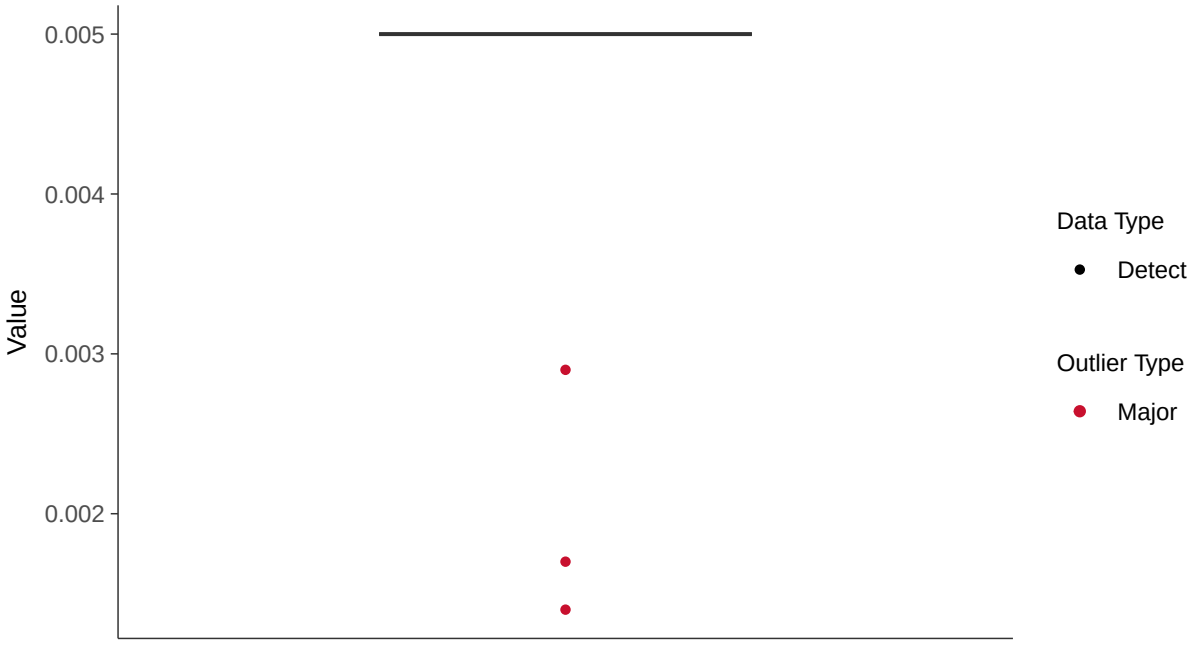
ID: 23_3_118





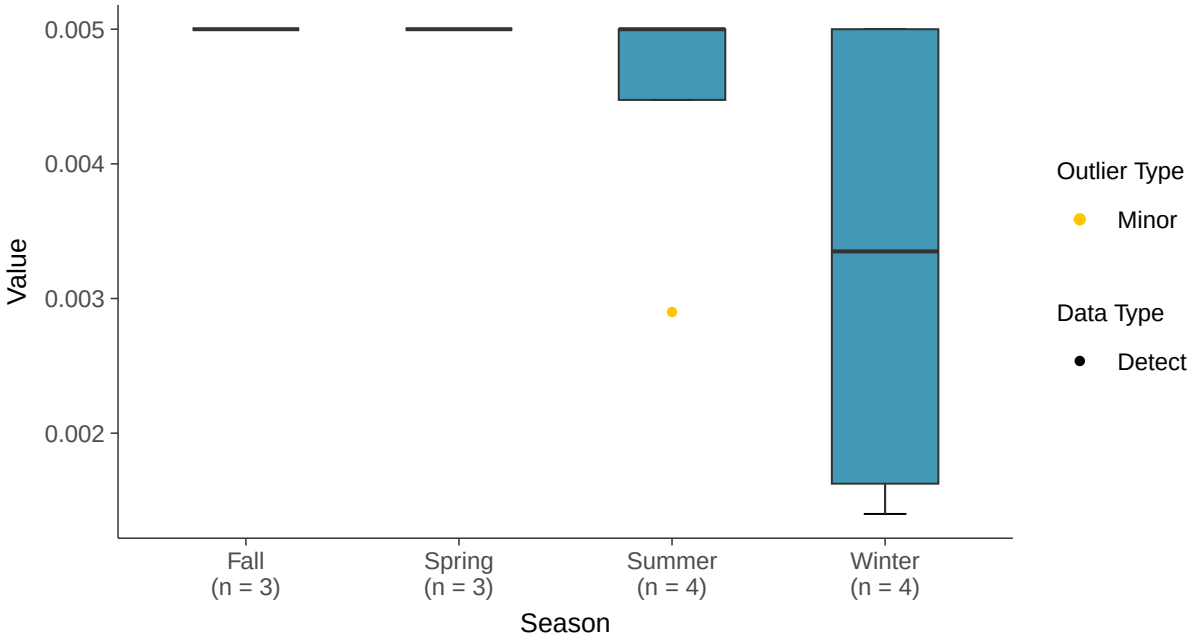
Boxplot

Molybdenum, MW-16A (mg/l)



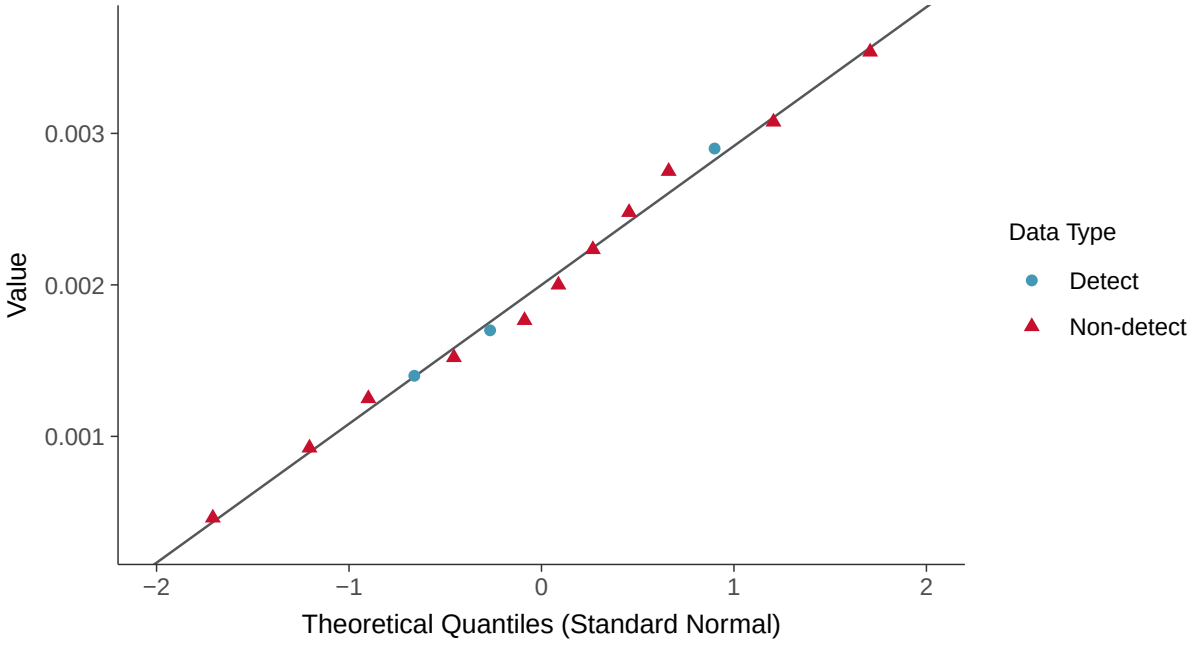
Boxplot by Season

Molybdenum, MW-16A (mg/l)



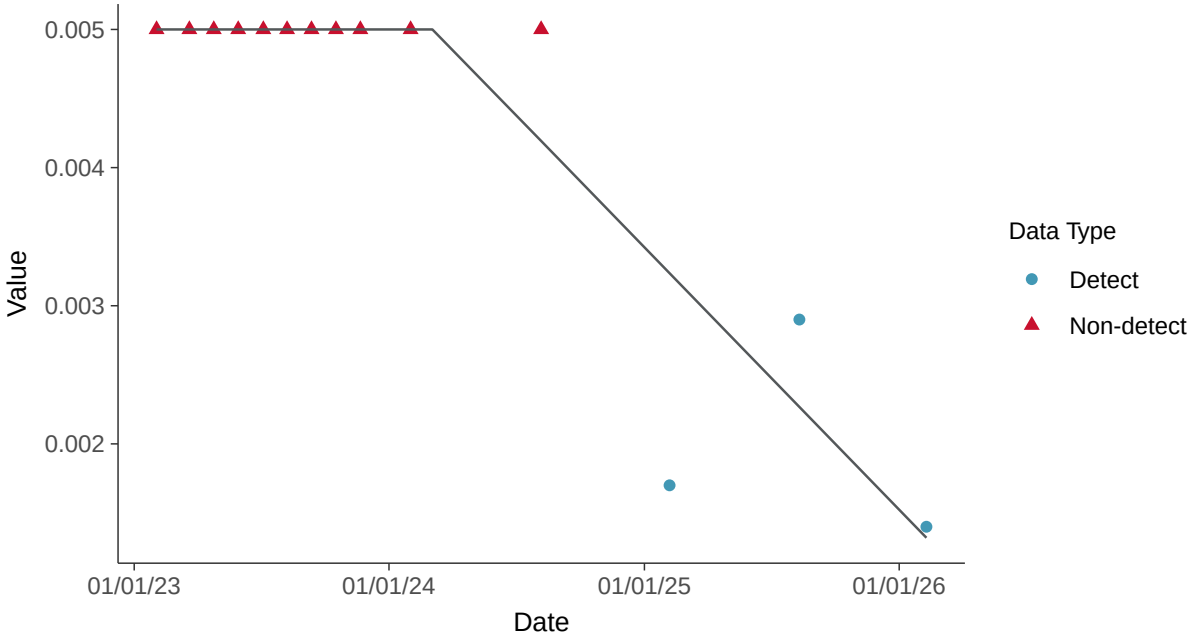
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-16A (mg/l)



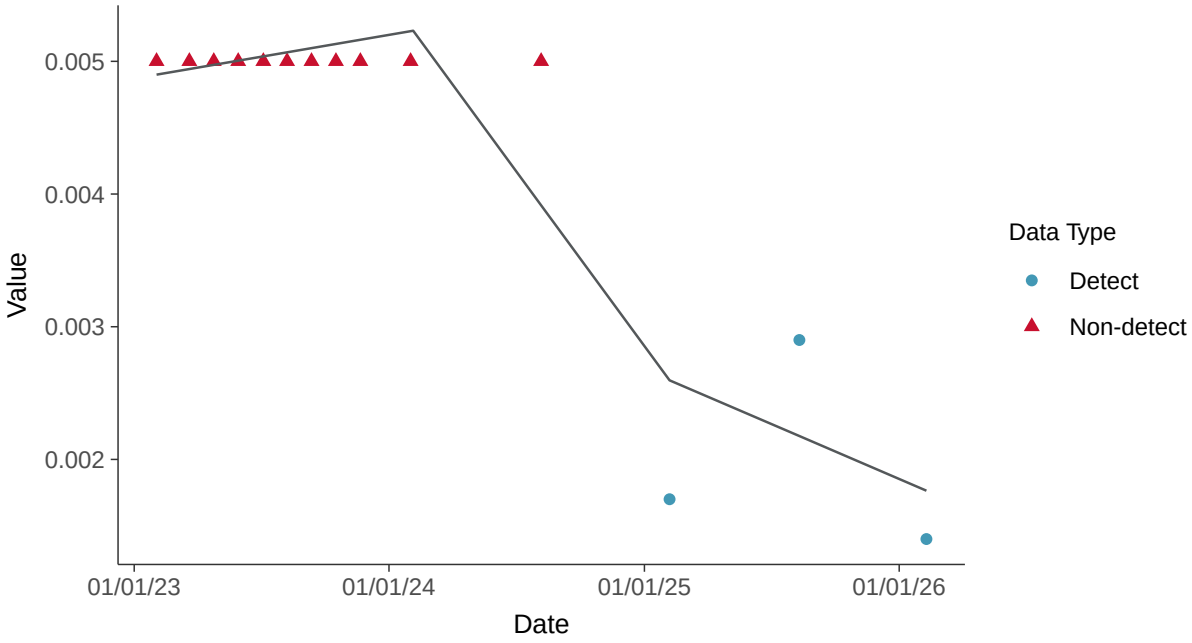
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-16A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-16A (mg/l)

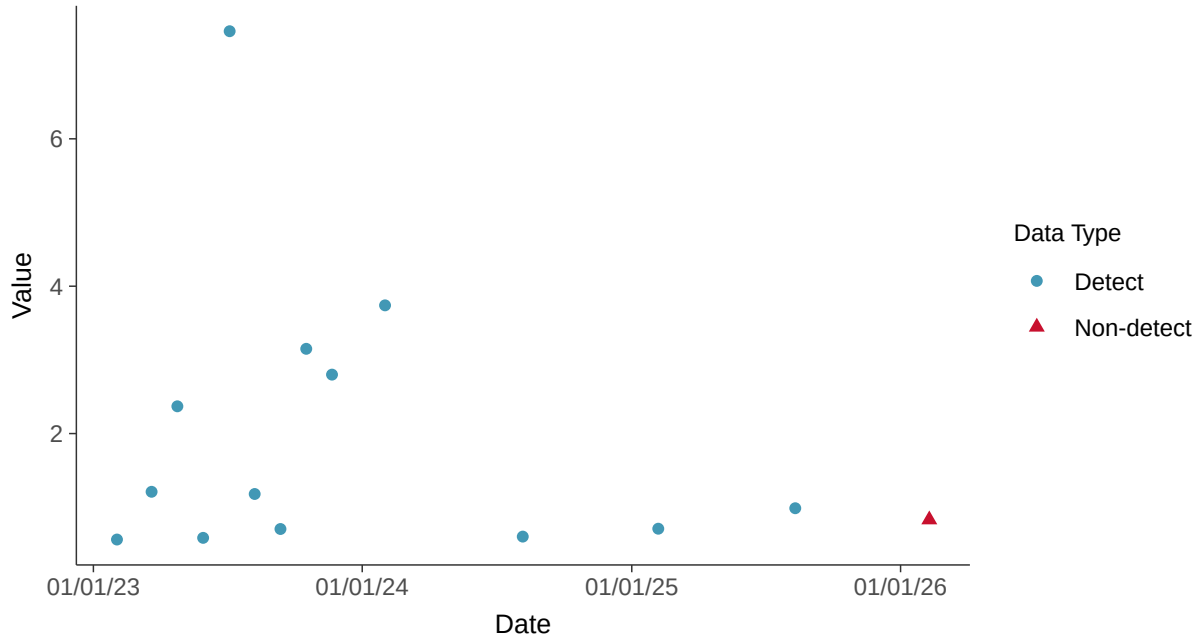


Appendix IV: Radium-226+228, MW-16A

ID: 23_3_121

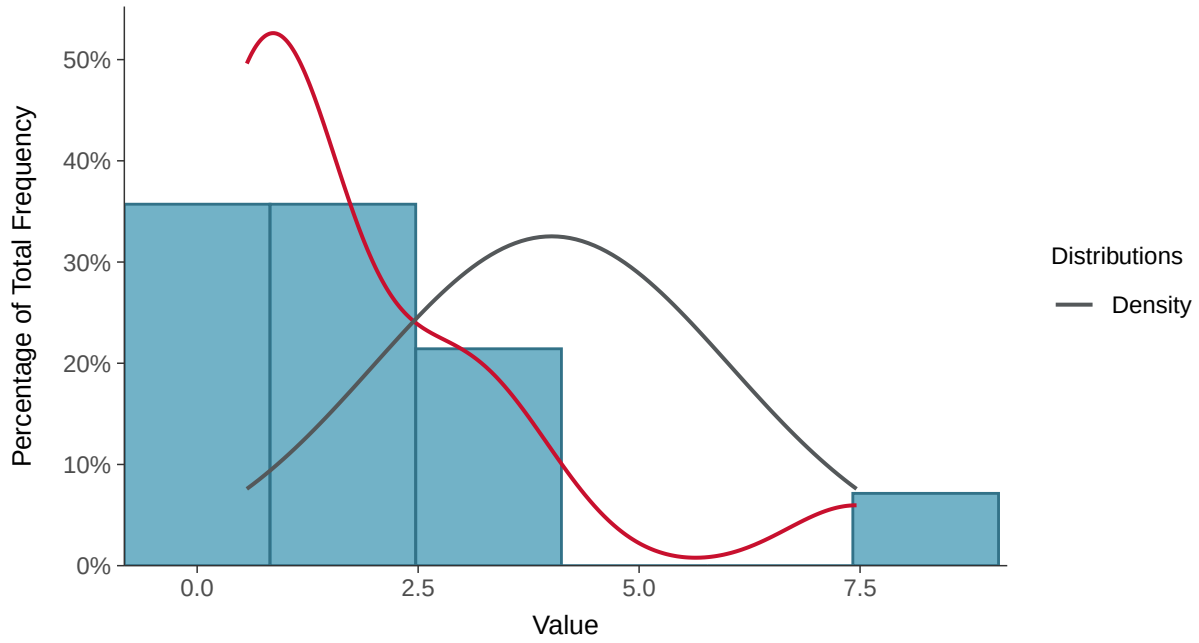
Scatter Plot

Radium-226+228, MW-16A (pci/l)



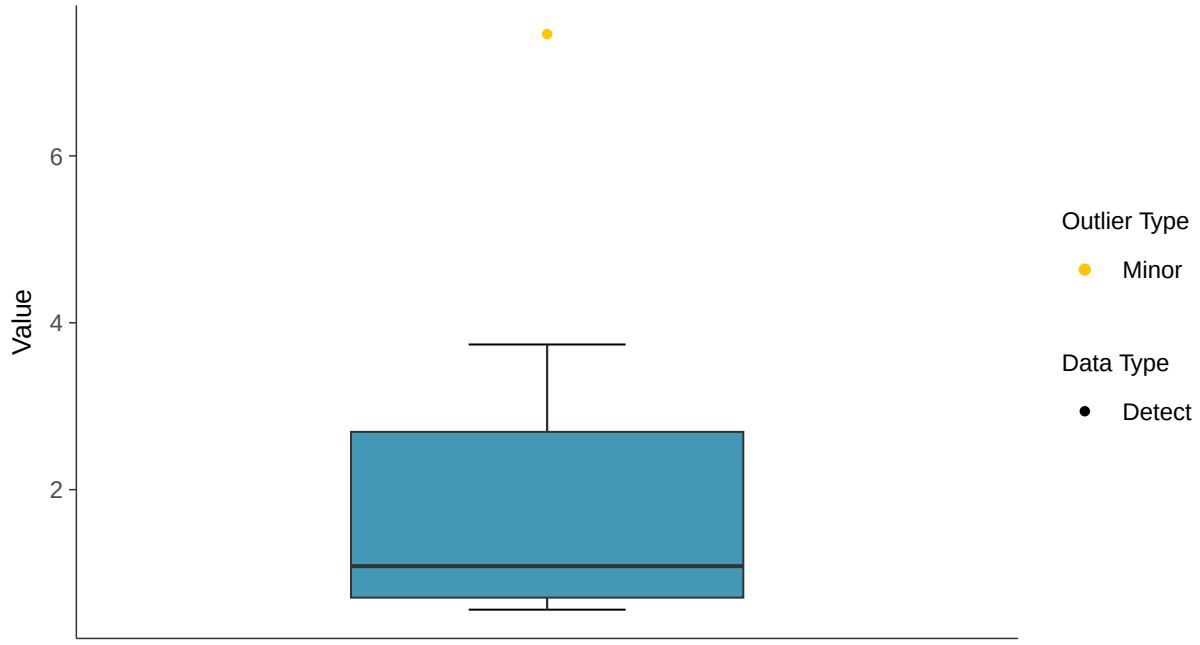
Histogram

Radium-226+228, MW-16A (pci/l)



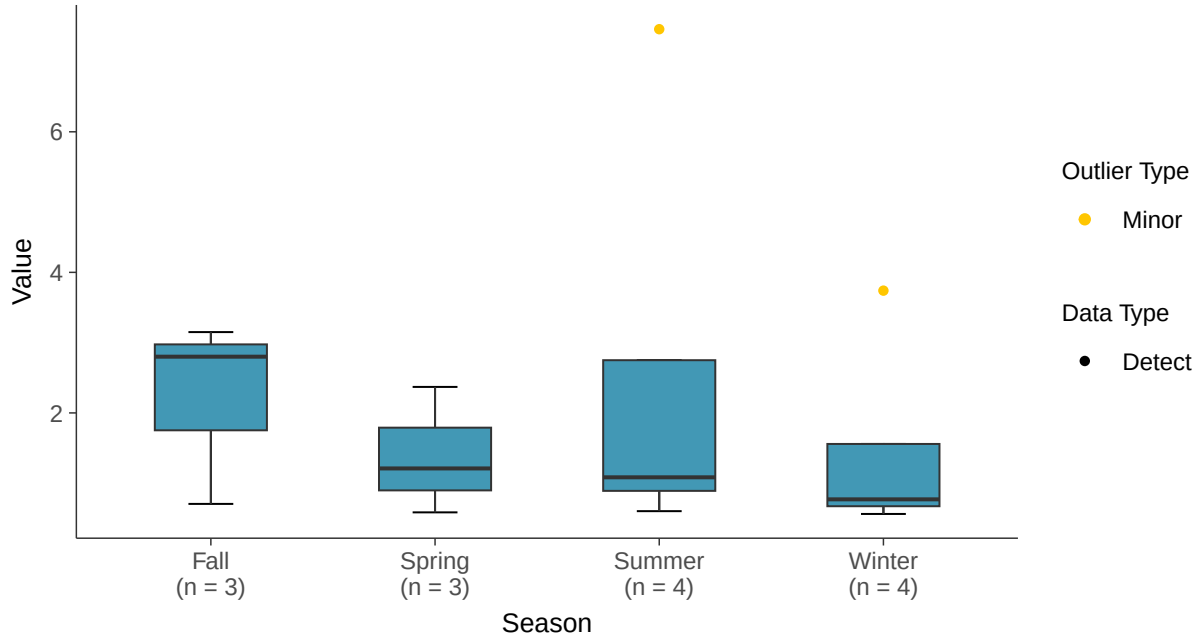
Boxplot

Radium-226+228, MW-16A (pci/l)



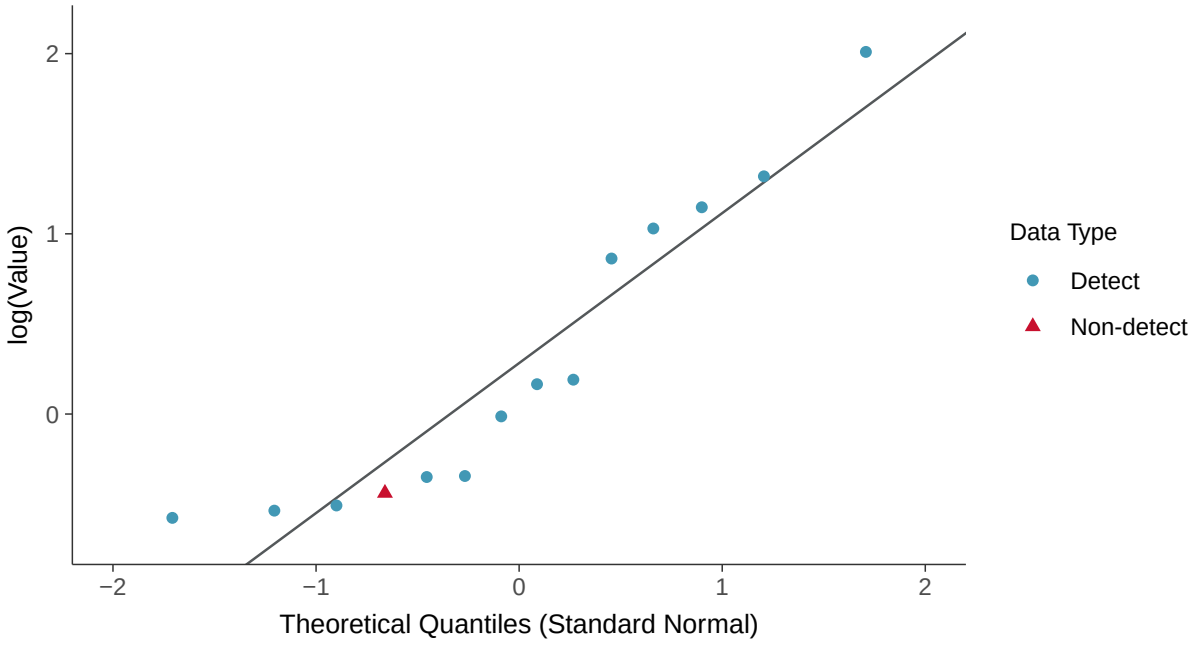
Boxplot by Season

Radium-226+228, MW-16A (pci/l)



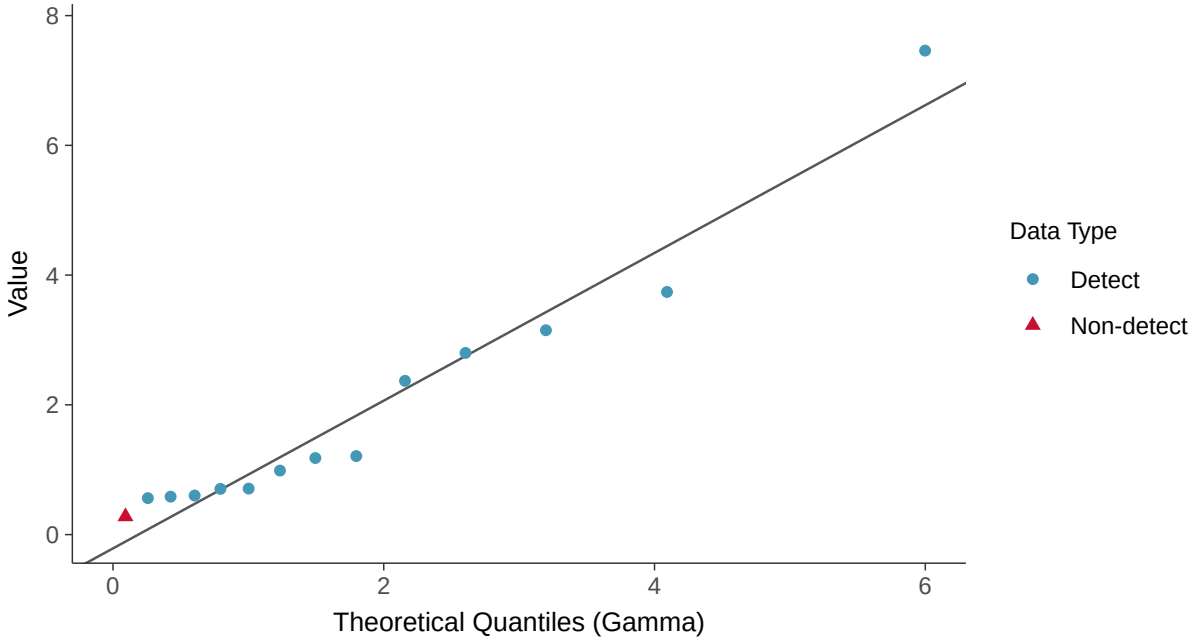
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-16A (pci/l)



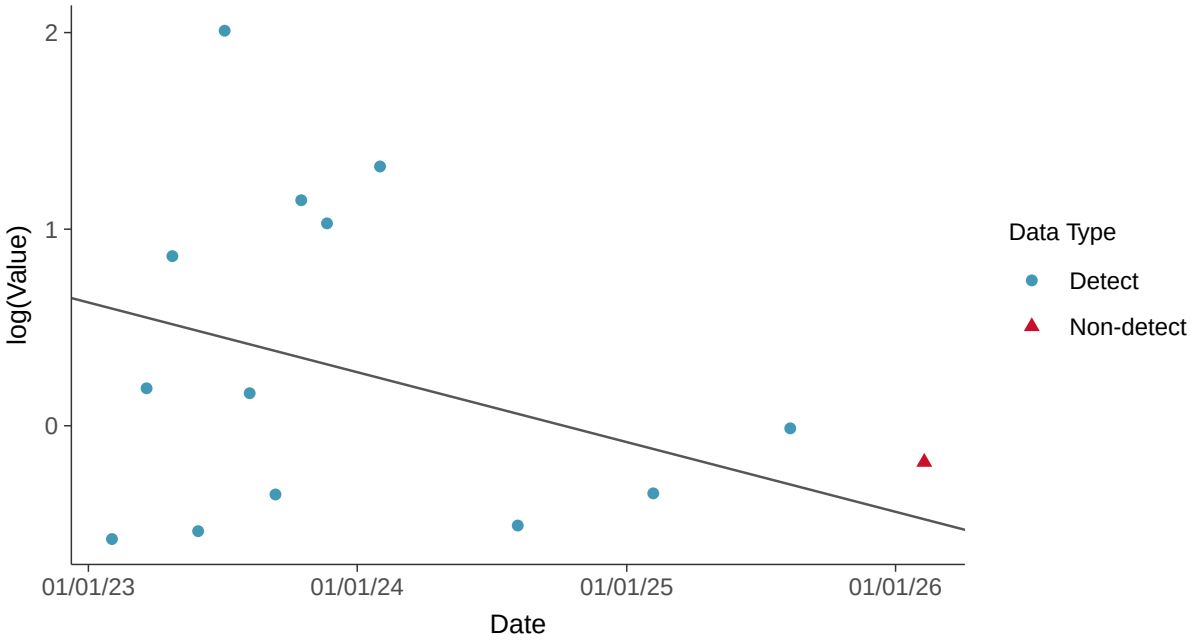
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-16A (pci/l)



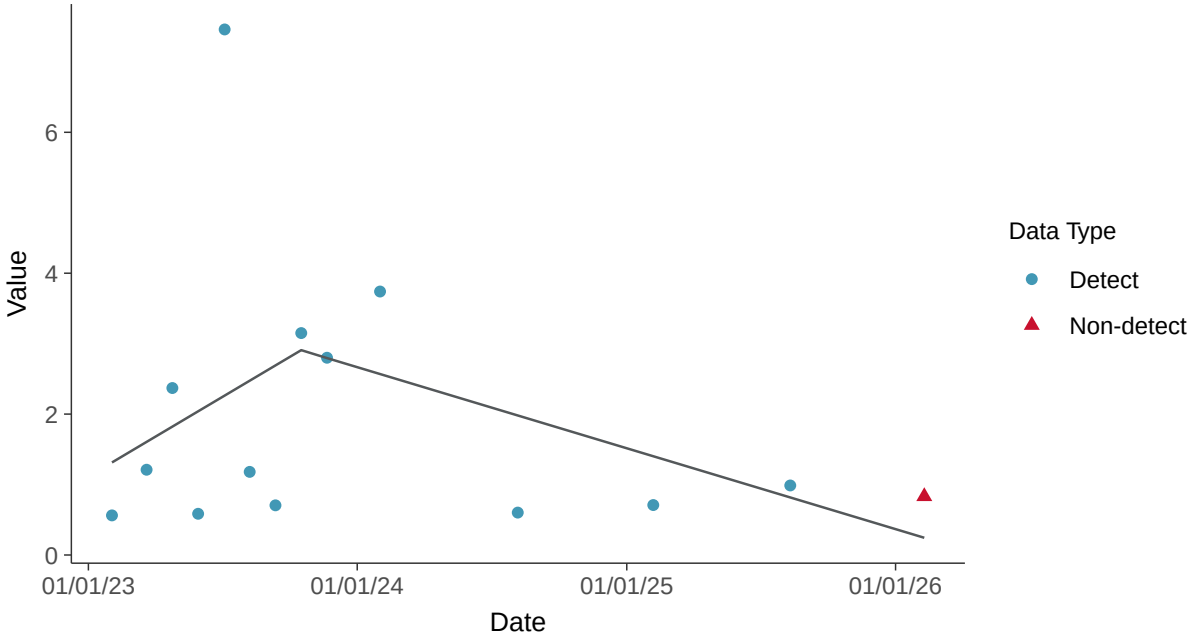
Trend Regression: Lognormal MLE

Radium-226+228, MW-16A (pci/l)



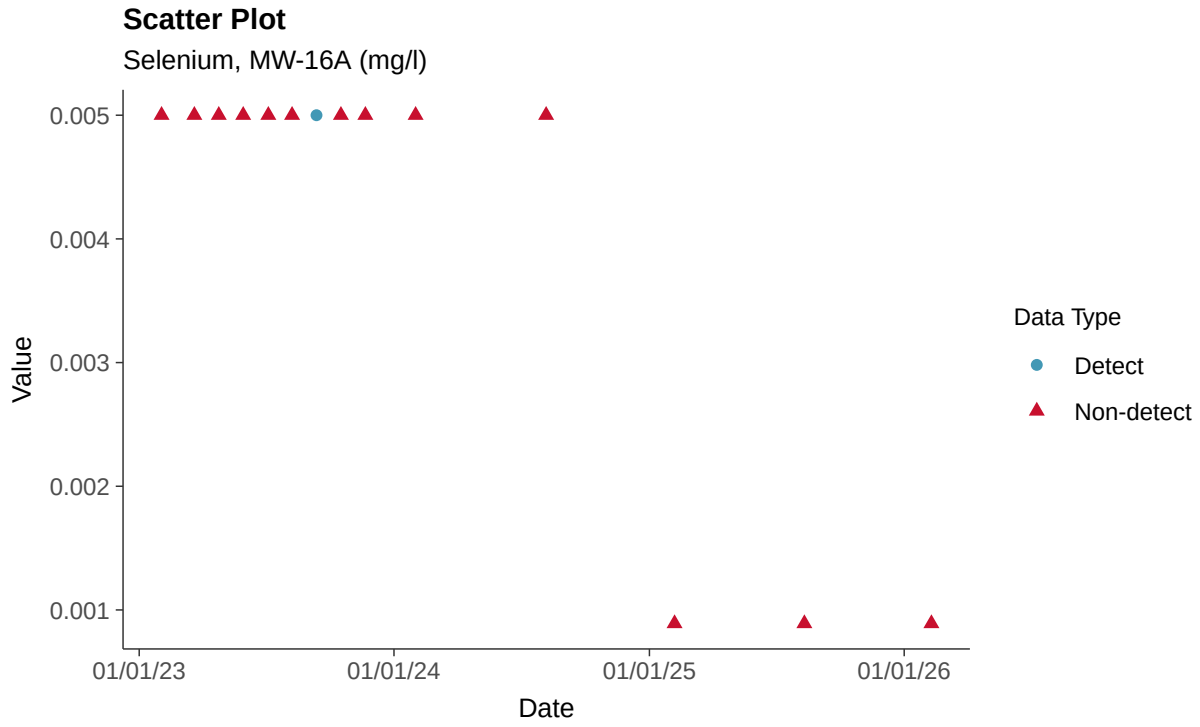
Trend Regression: Piecewise Linear-Linear

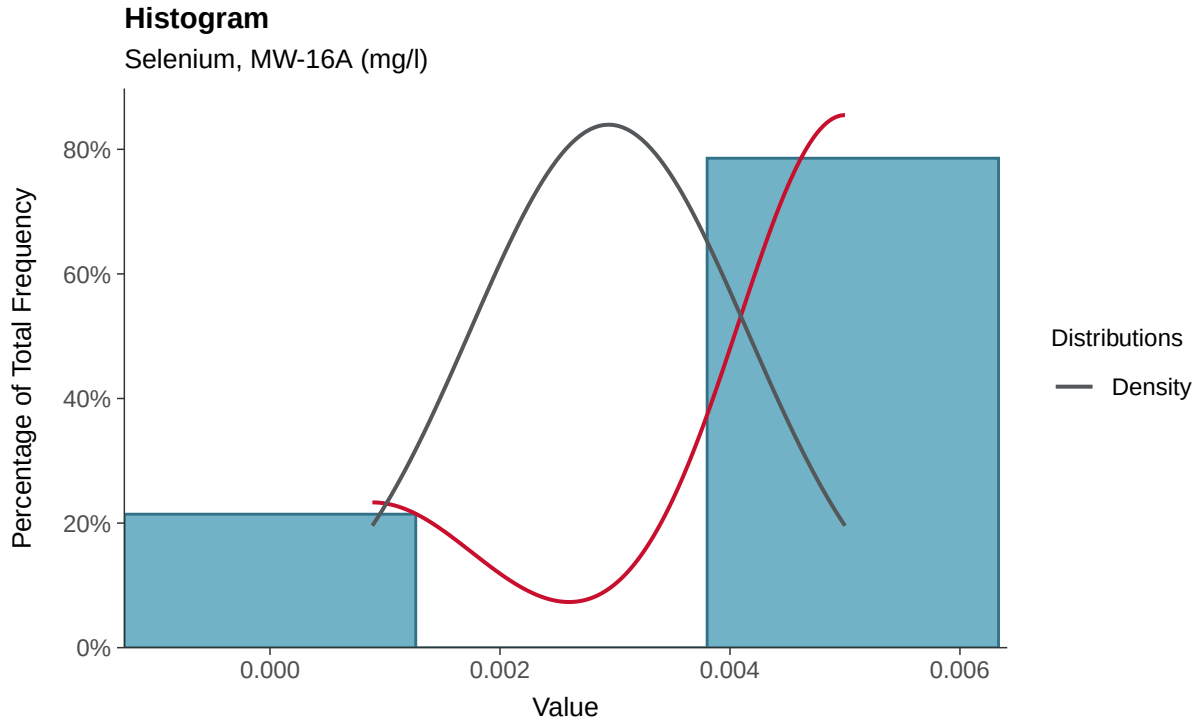
Radium-226+228, MW-16A (pci/l)



Appendix IV: Selenium, MW-16A

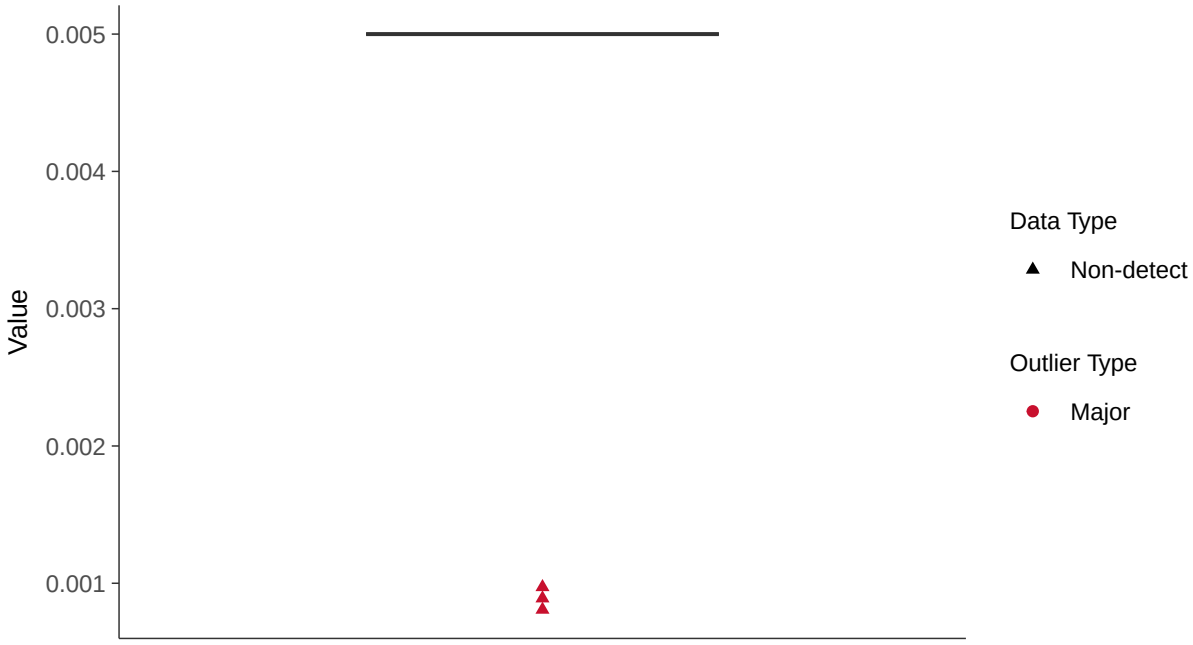
ID: 23_3_122





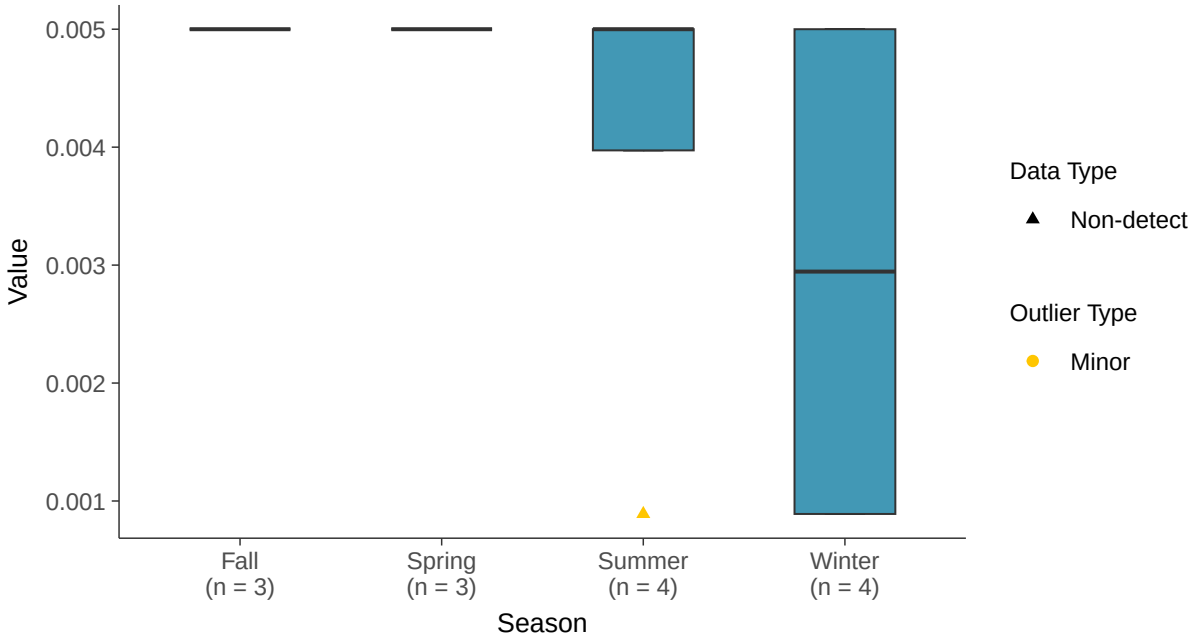
Boxplot

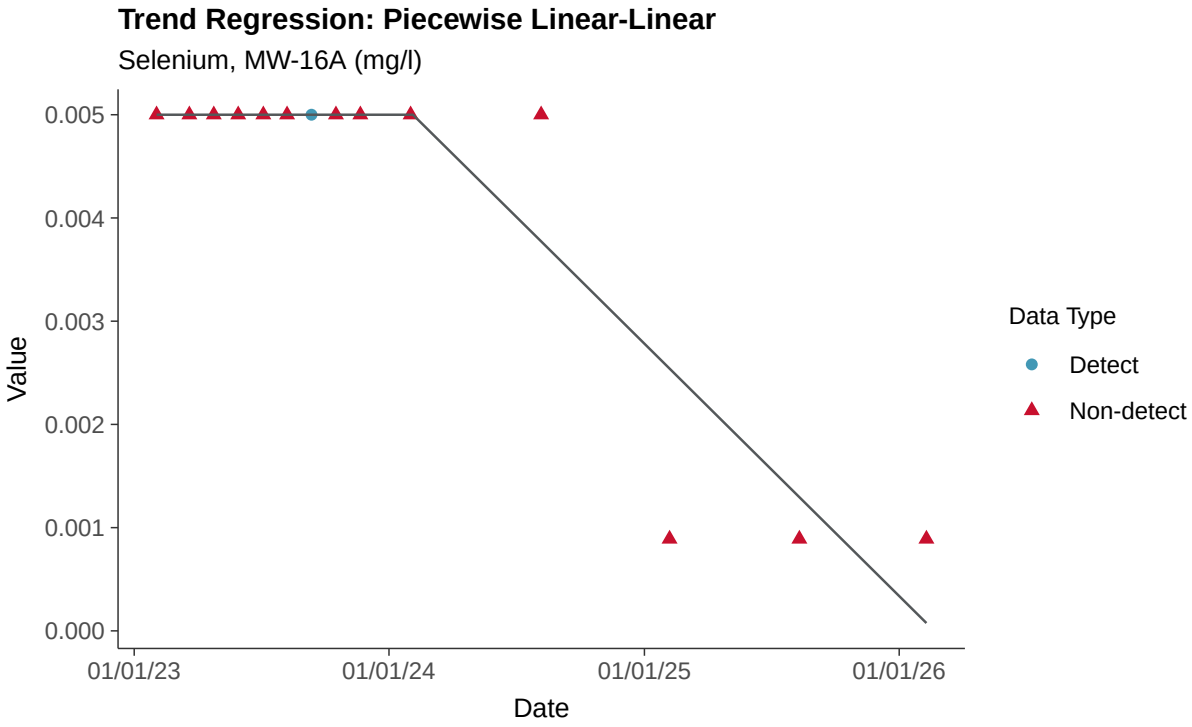
Selenium, MW-16A (mg/l)



Boxplot by Season

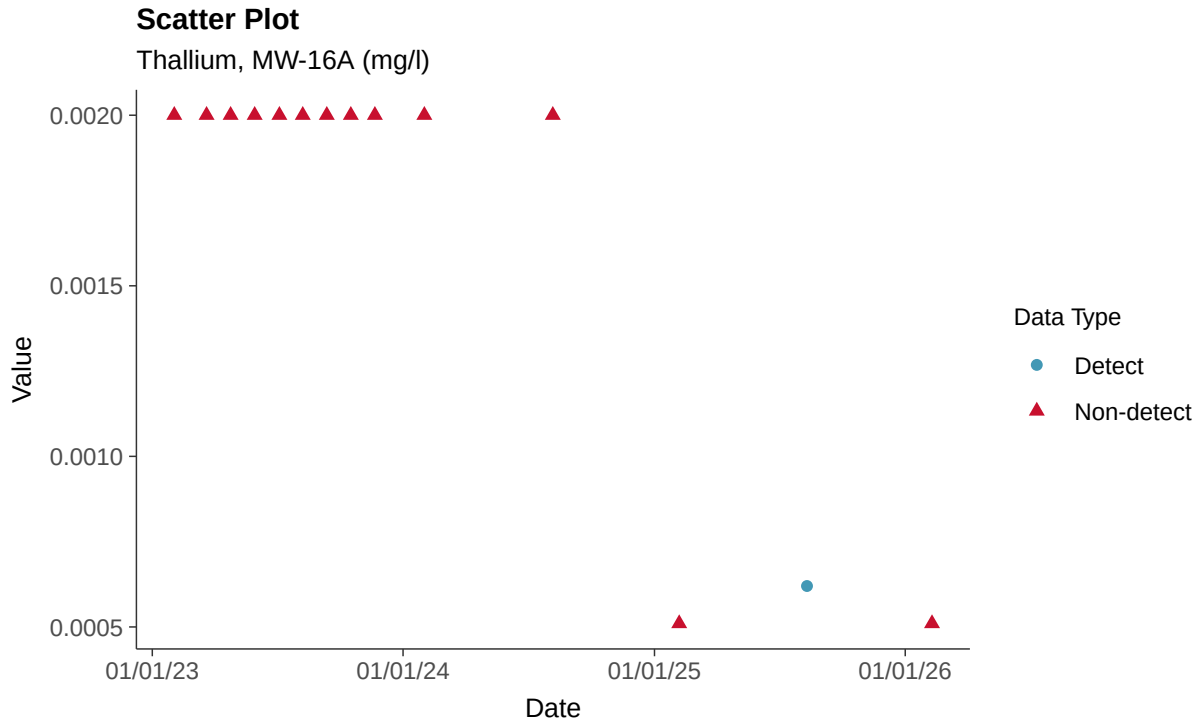
Selenium, MW-16A (mg/l)

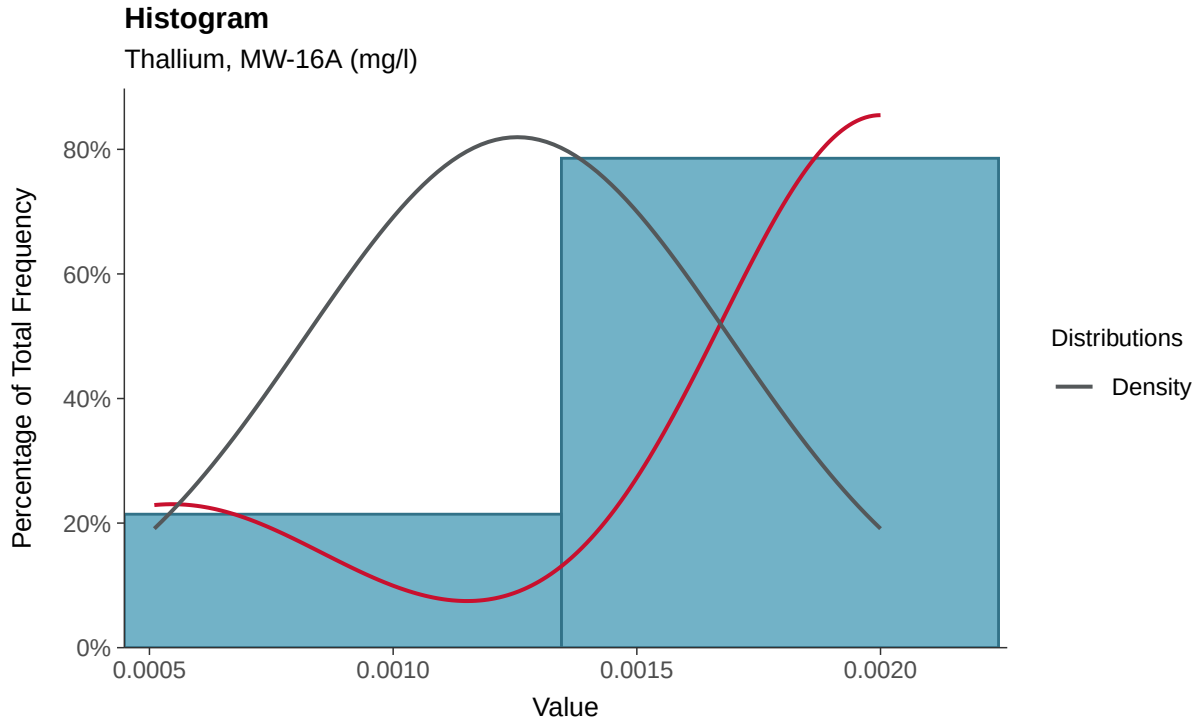



Trend Regression: Piecewise Linear-Linear
Selenium, MW-16A (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Thallium, MW-16A

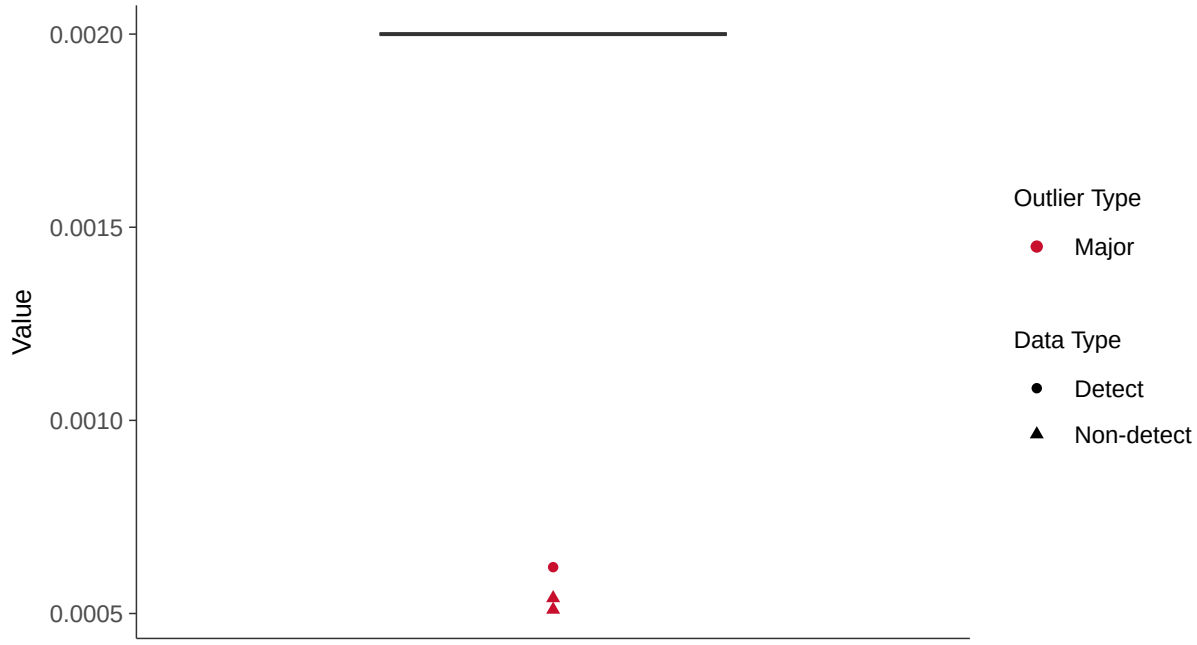
ID: 23_3_125





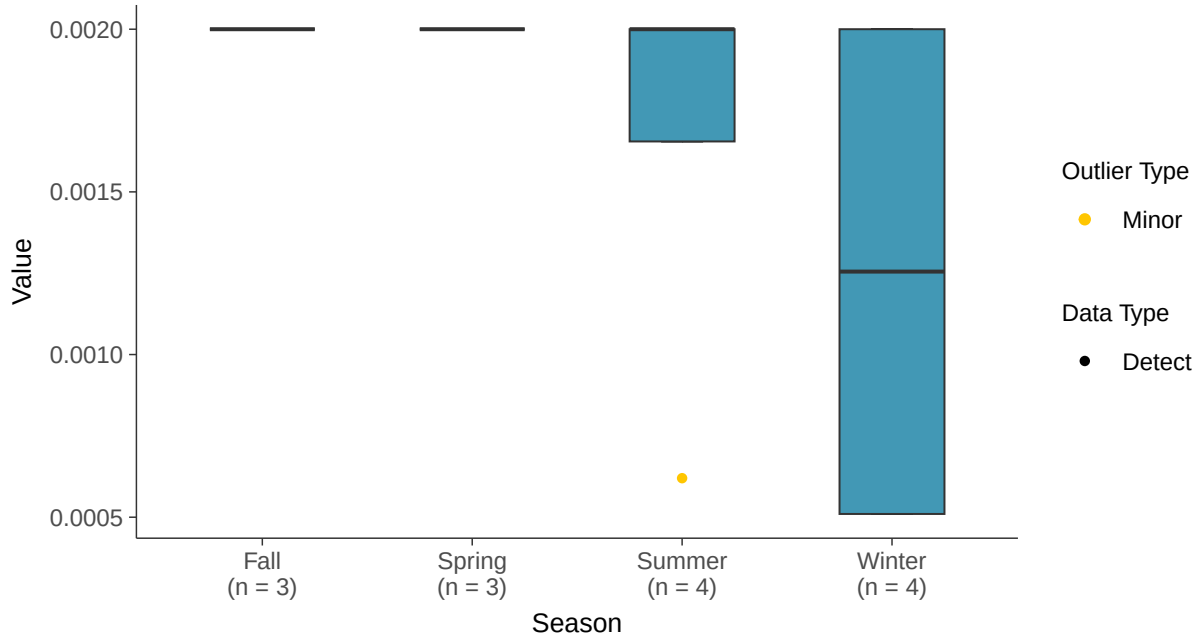
Boxplot

Thallium, MW-16A (mg/l)



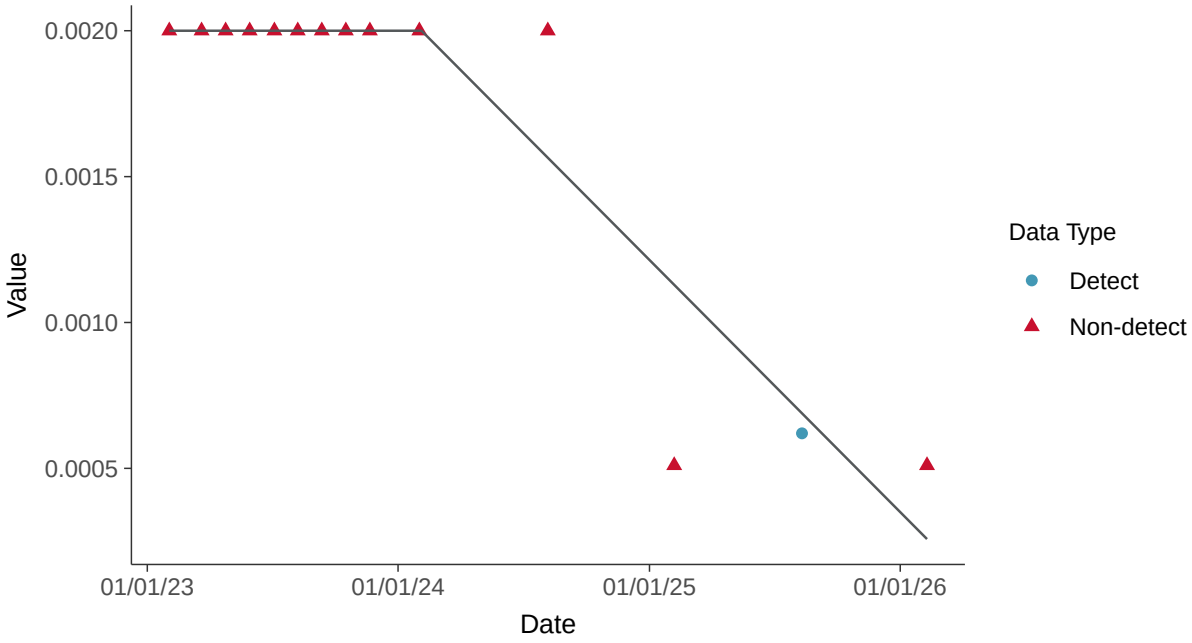
Boxplot by Season

Thallium, MW-16A (mg/l)



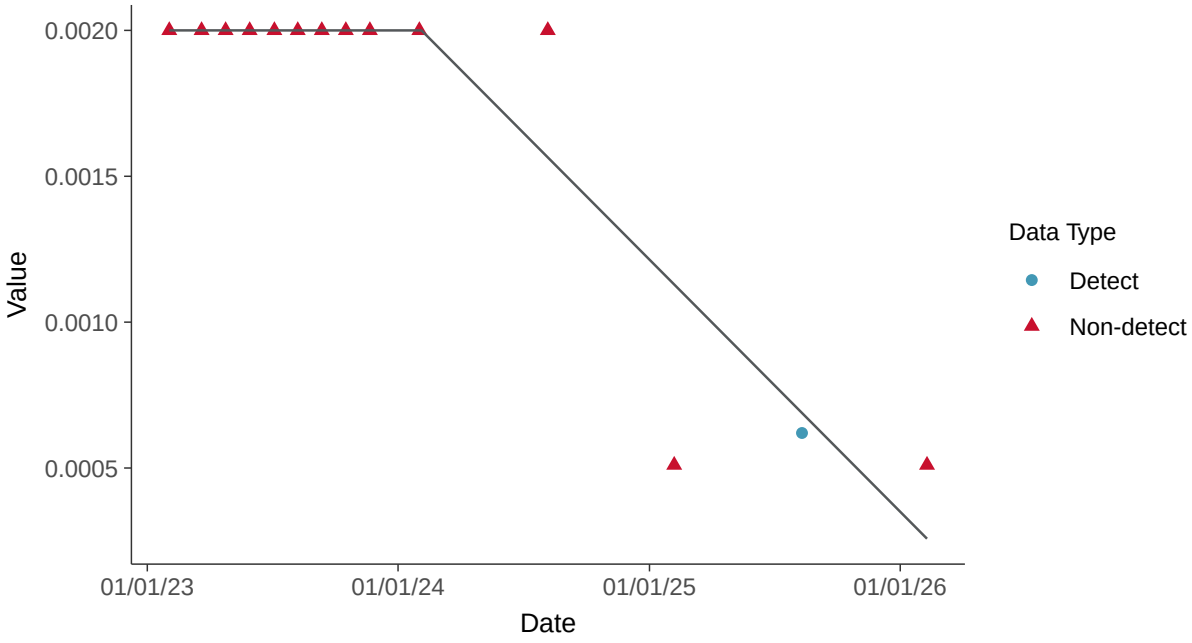
Trend Regression: Piecewise Linear-Linear

Thallium, MW-16A (mg/l)



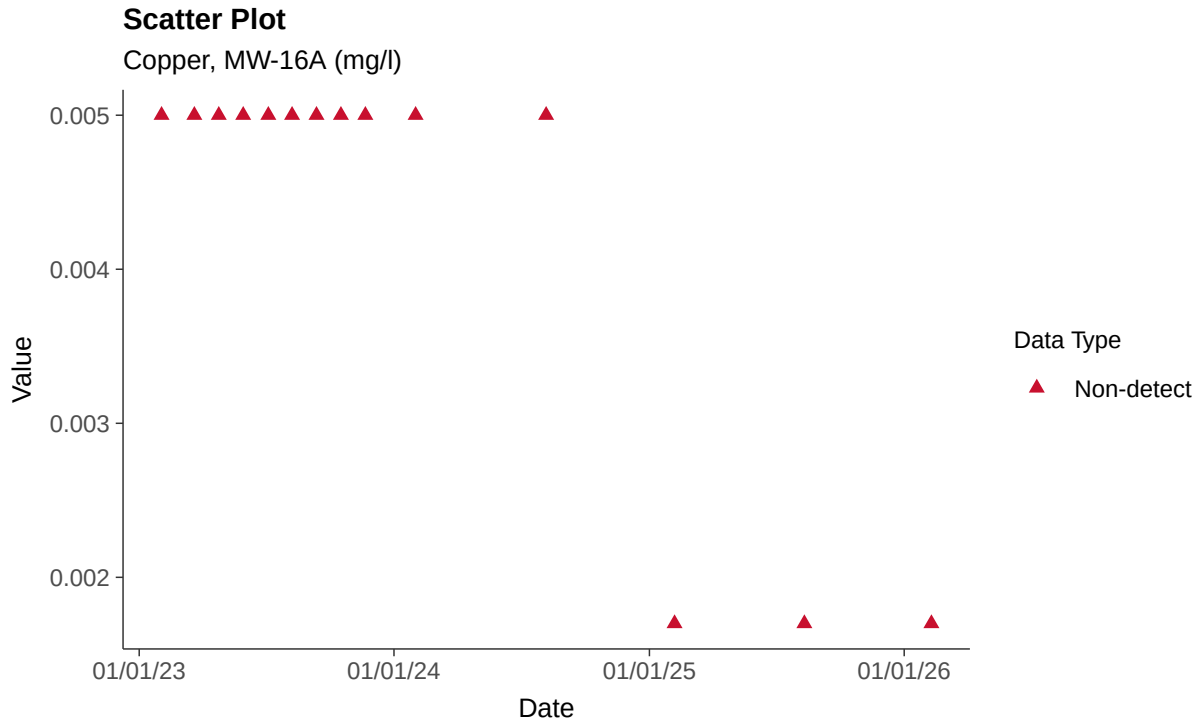
Trend Regression: Piecewise Linear-Linear-Linear

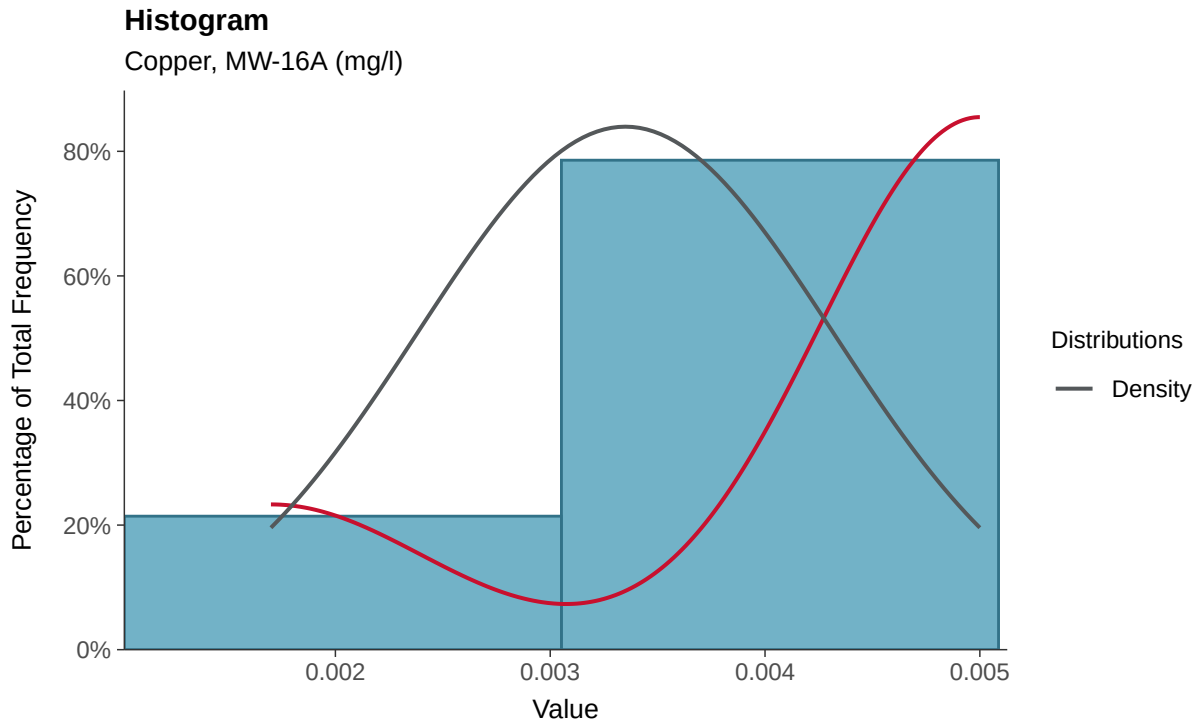
Thallium, MW-16A (mg/l)



Part 115: Copper, MW-16A

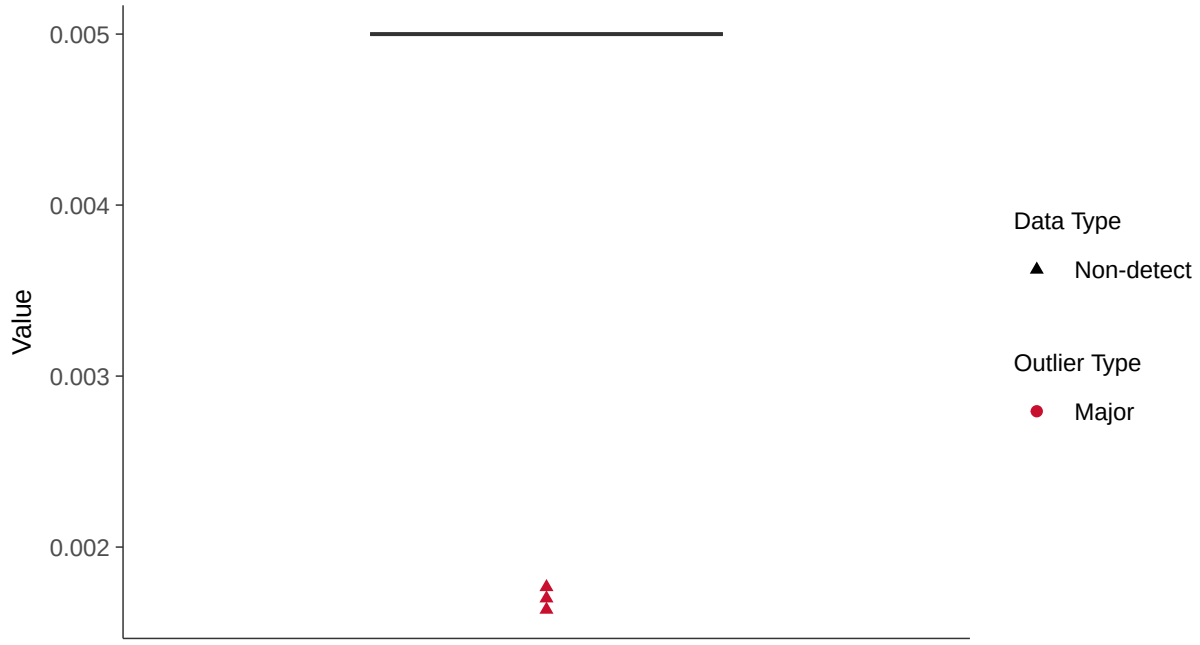
ID: 23_5_111





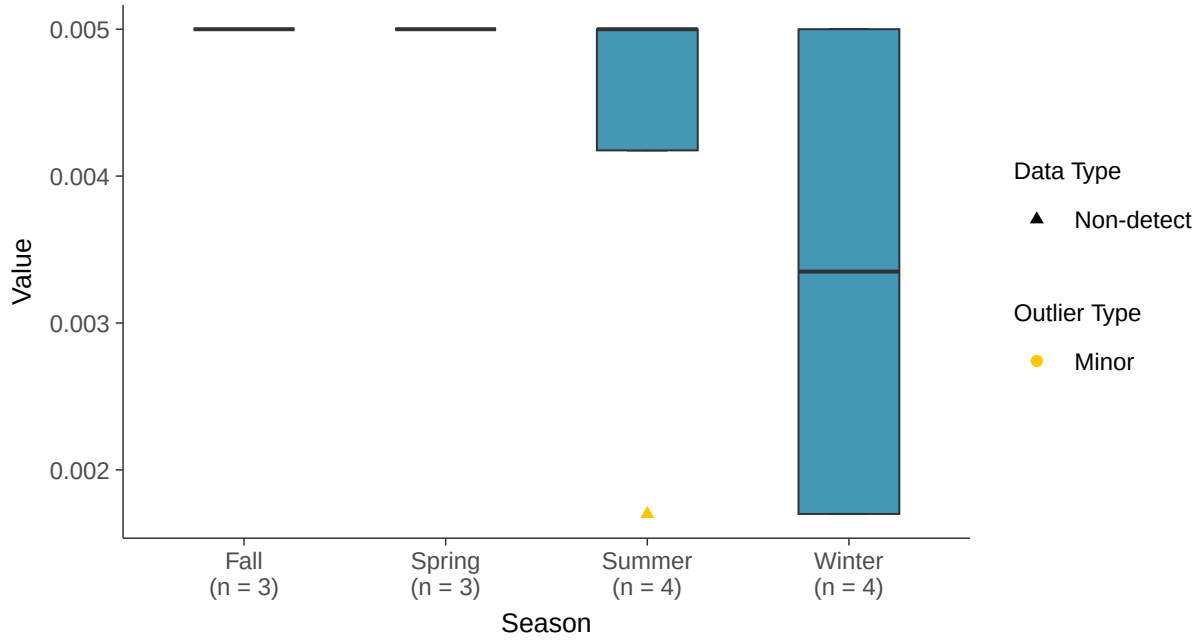
Boxplot

Copper, MW-16A (mg/l)



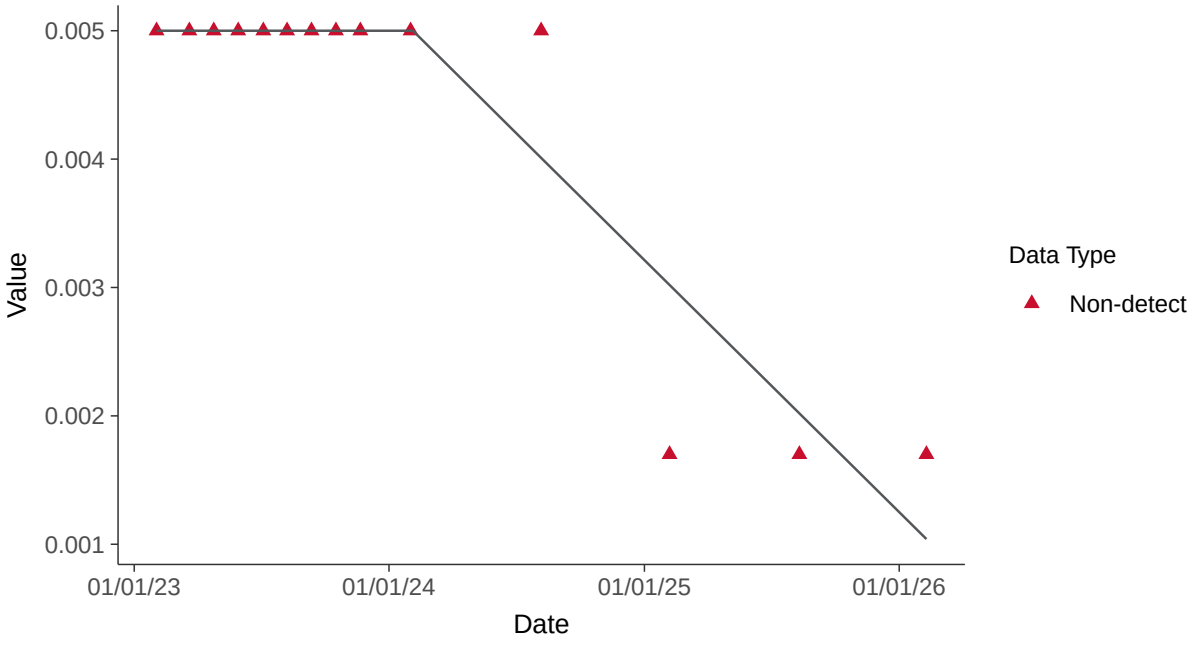
Boxplot by Season

Copper, MW-16A (mg/l)



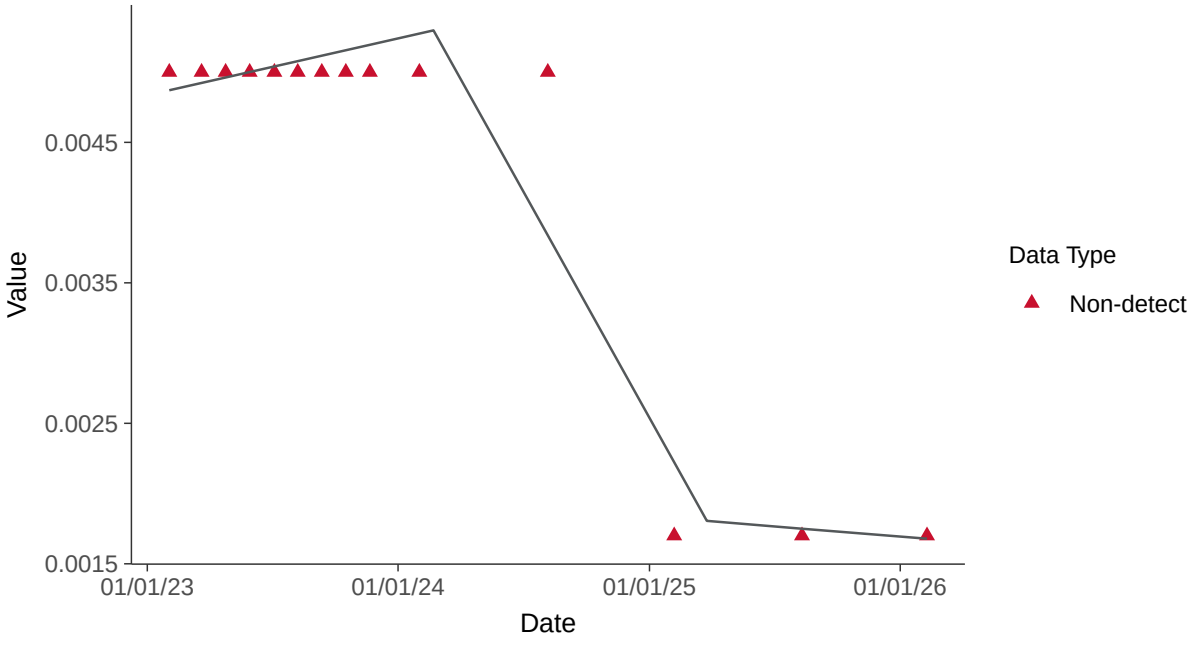
Trend Regression: Piecewise Linear-Linear

Copper, MW-16A (mg/l)



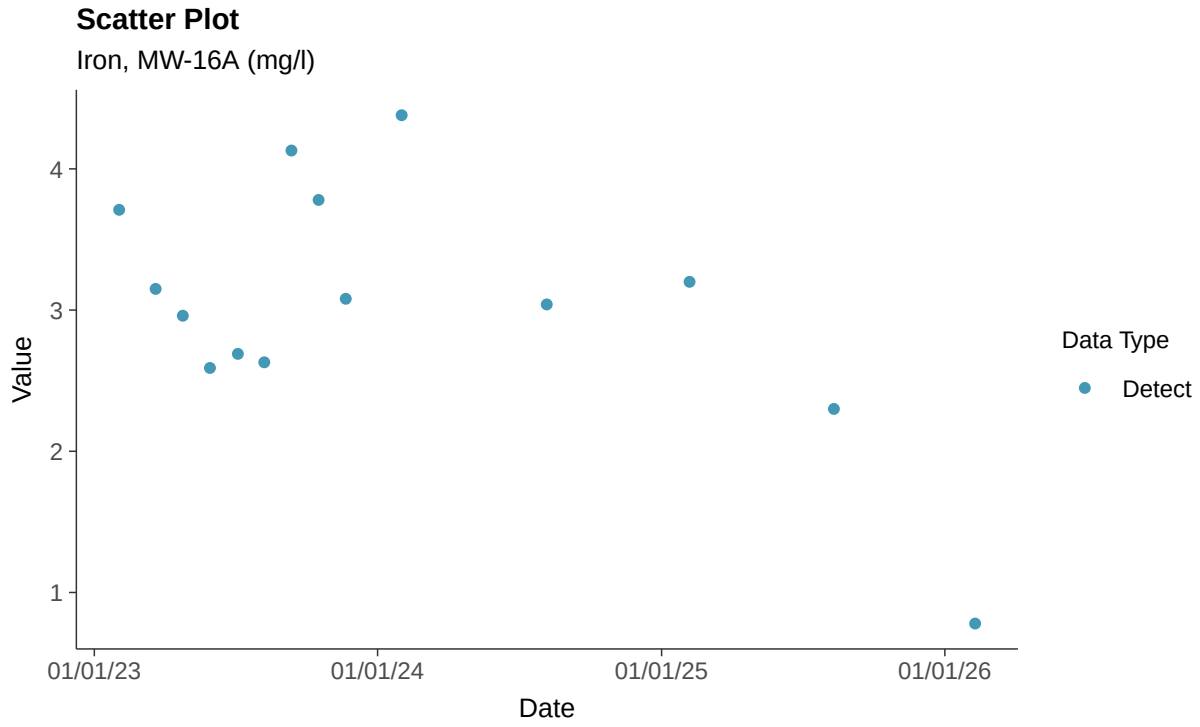
Trend Regression: Piecewise Linear-Linear-Linear

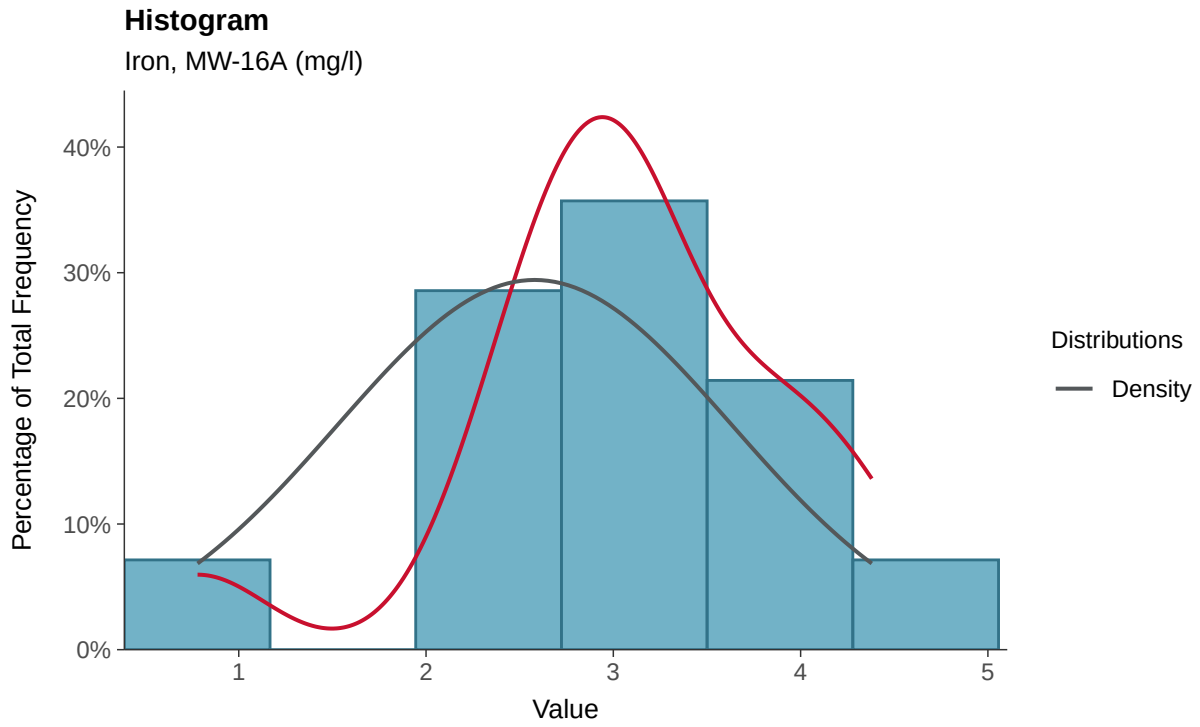
Copper, MW-16A (mg/l)



Part 115: Iron, MW-16A

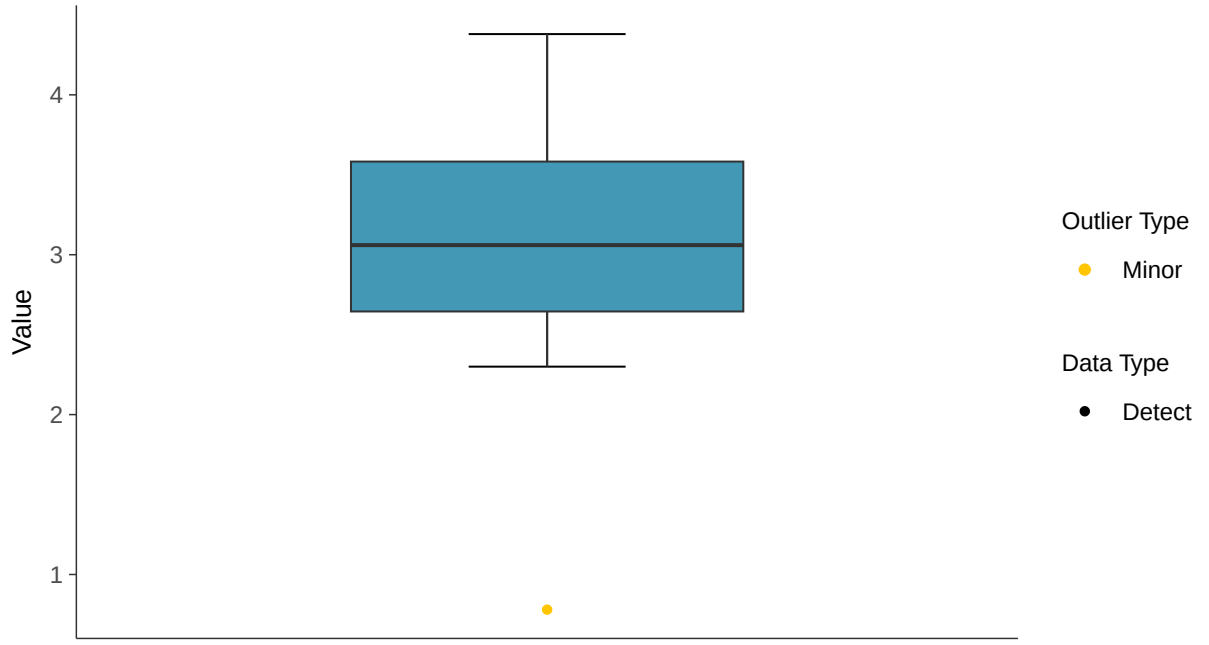
ID: 23_5_114





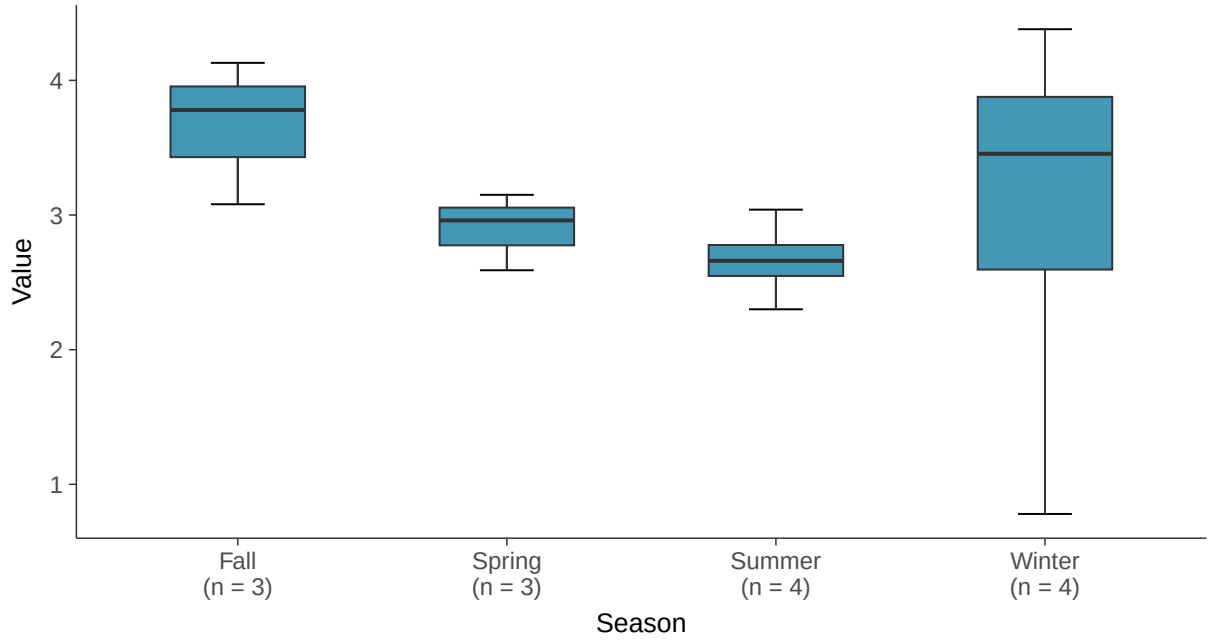
Boxplot

Iron, MW-16A (mg/l)



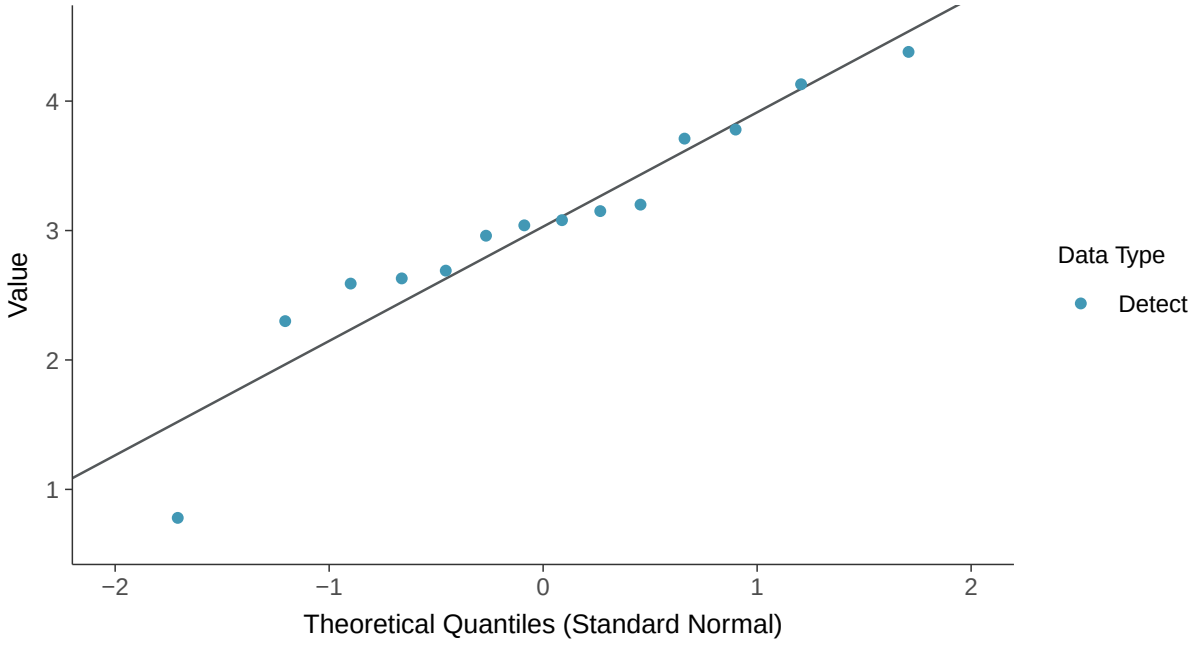
Boxplot by Season

Iron, MW-16A (mg/l)



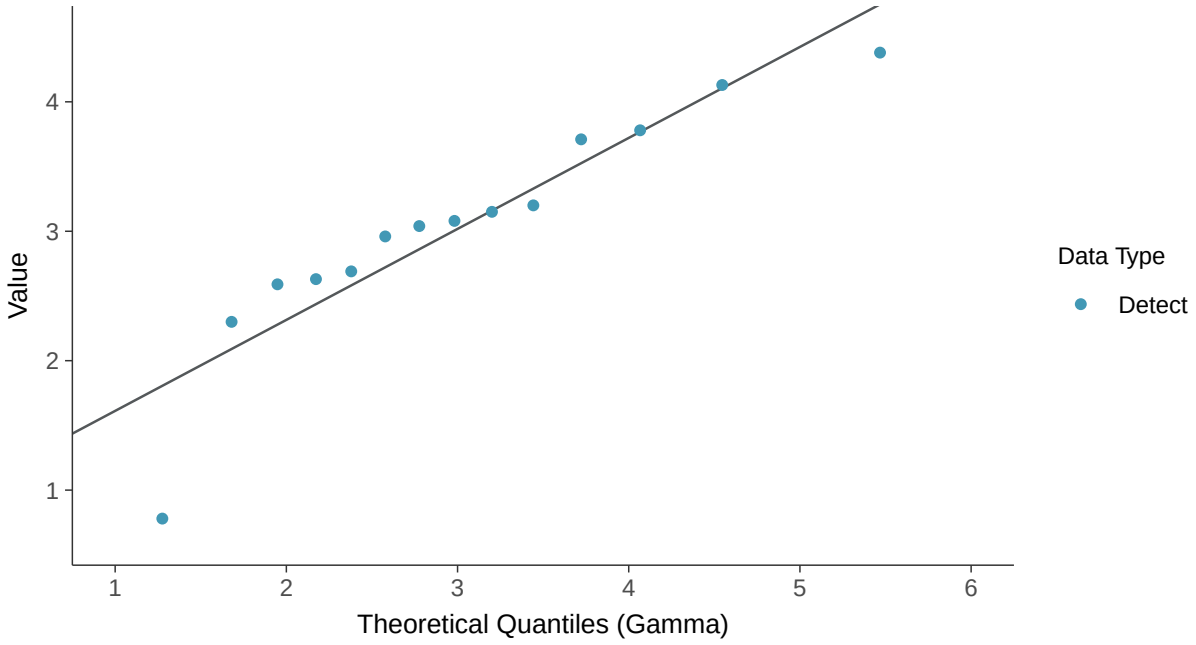
Normal Q-Q plot

Iron, MW-16A (mg/l)



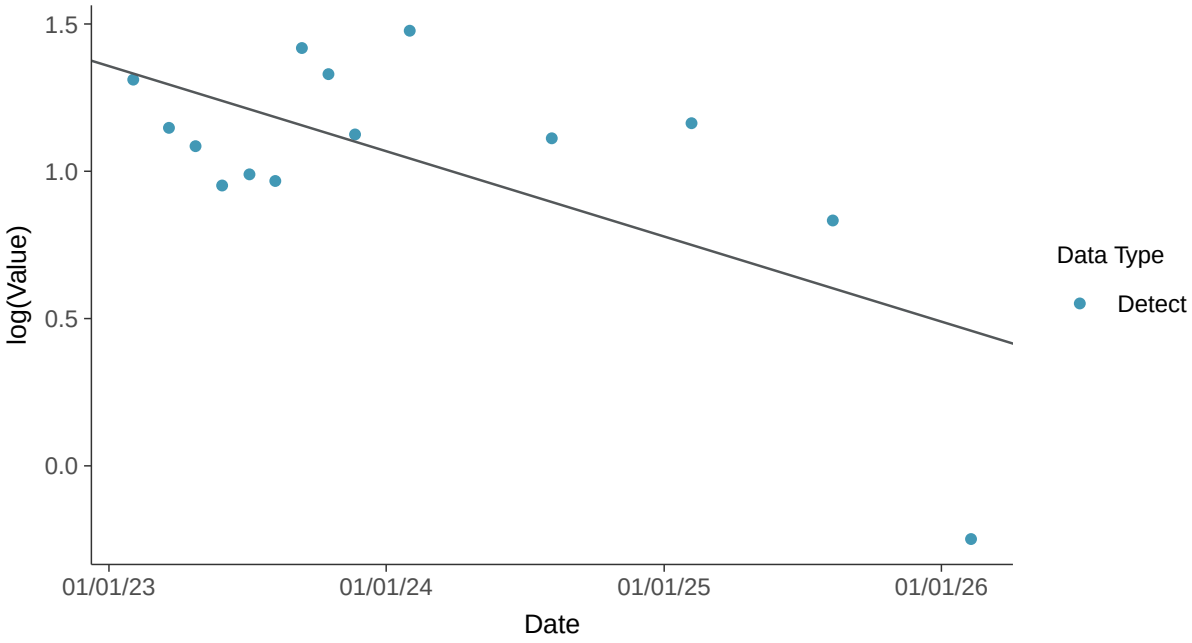
Gamma Q-Q plot

Iron, MW-16A (mg/l)



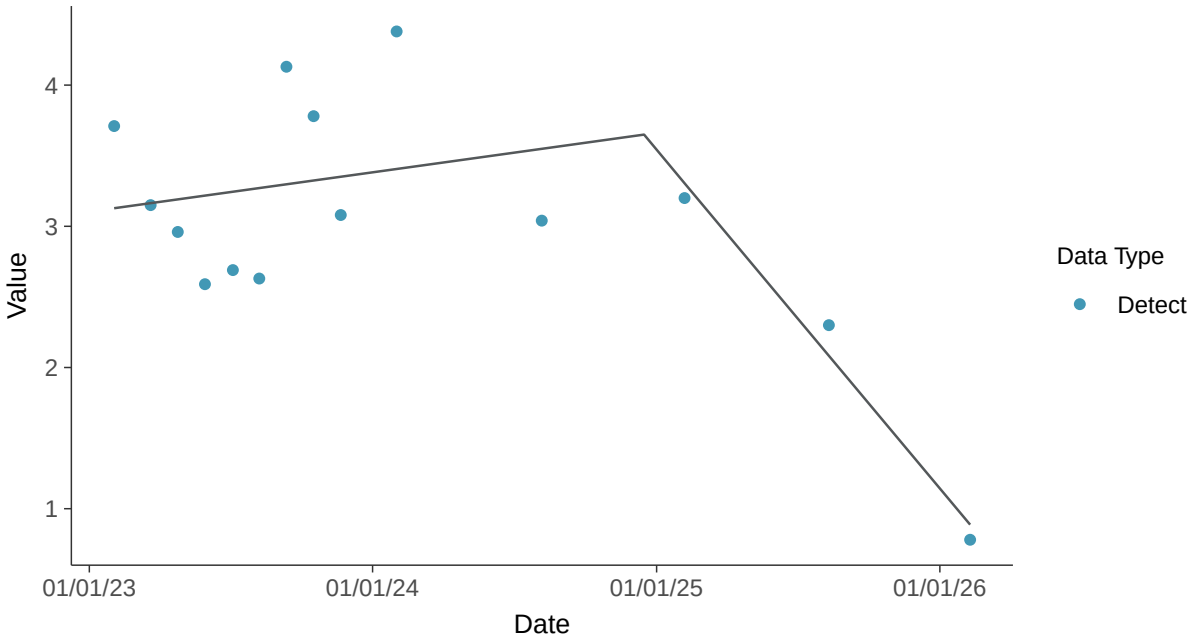
Trend Regression: Lognormal MLE

Iron, MW-16A (mg/l)



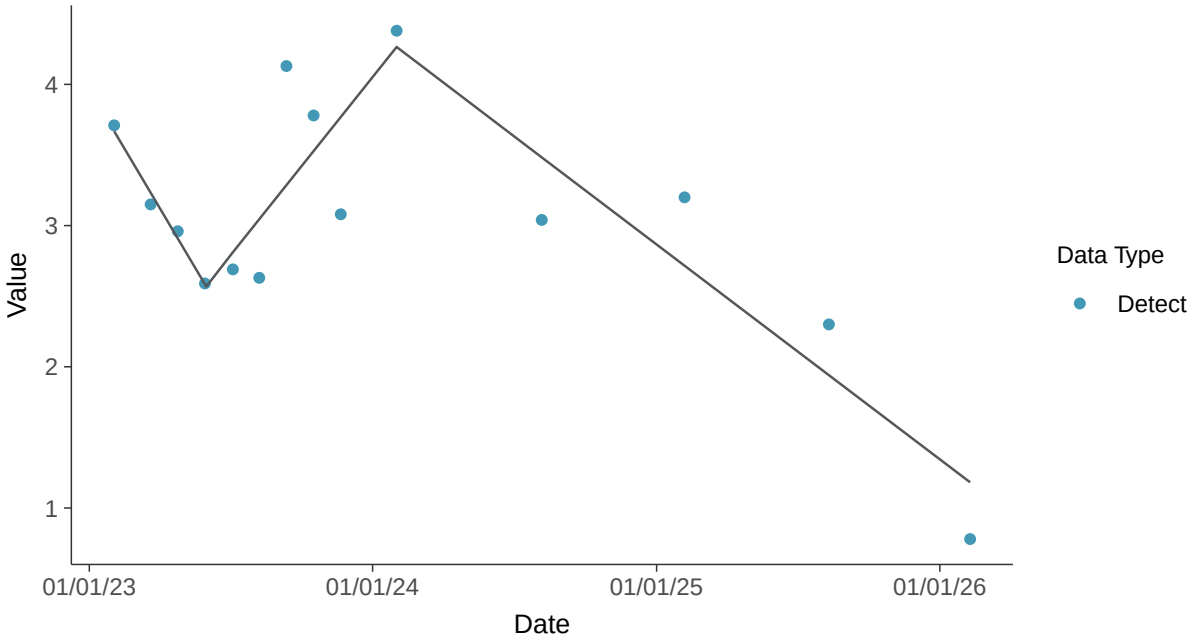
Trend Regression: Piecewise Linear-Linear

Iron, MW-16A (mg/l)



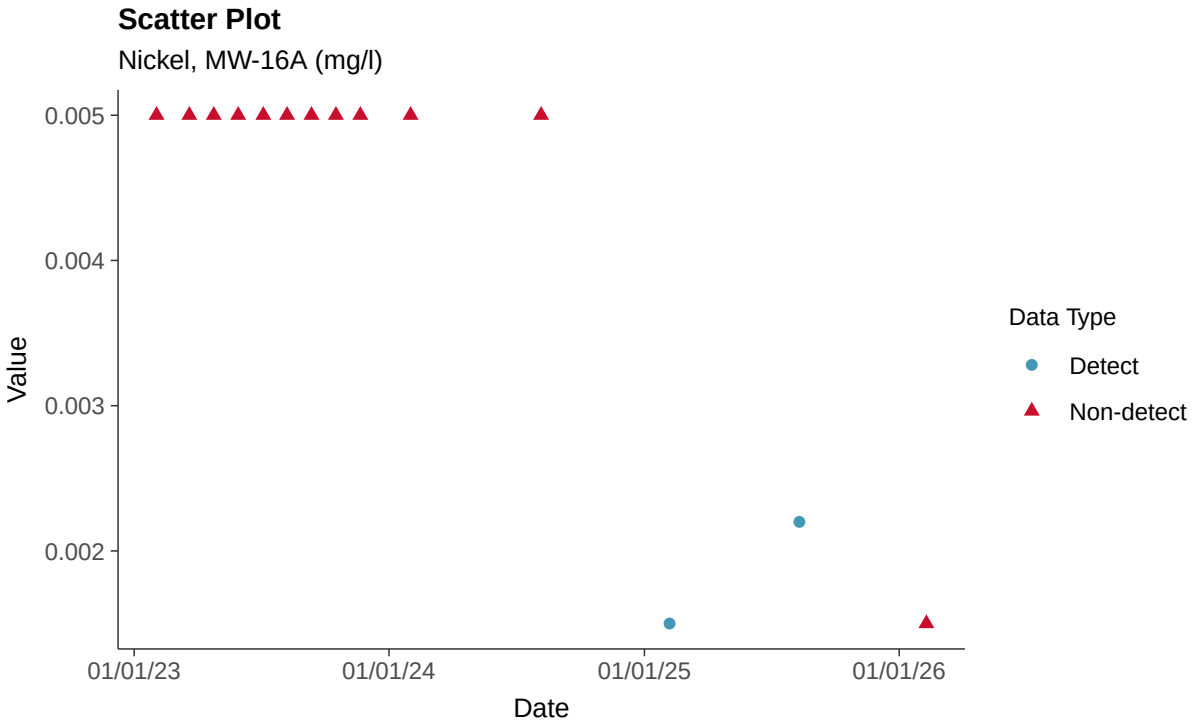
Trend Regression: Piecewise Linear-Linear-Linear

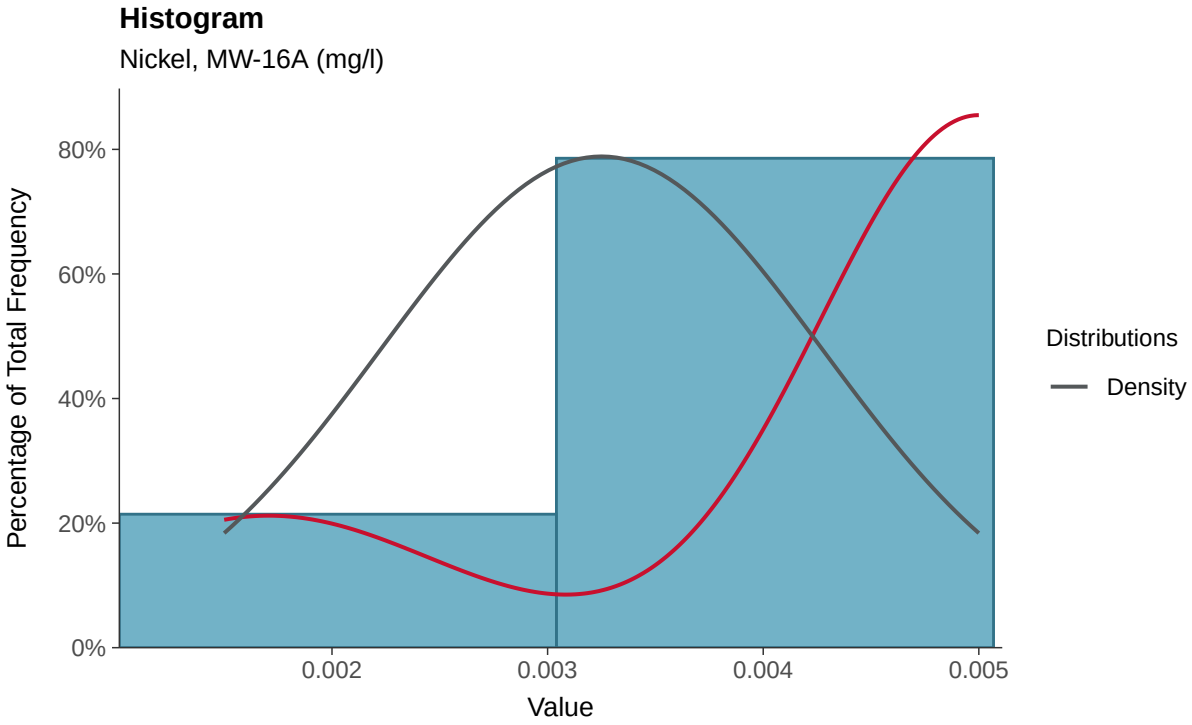
Iron, MW-16A (mg/l)



Part 115: Nickel, MW-16A

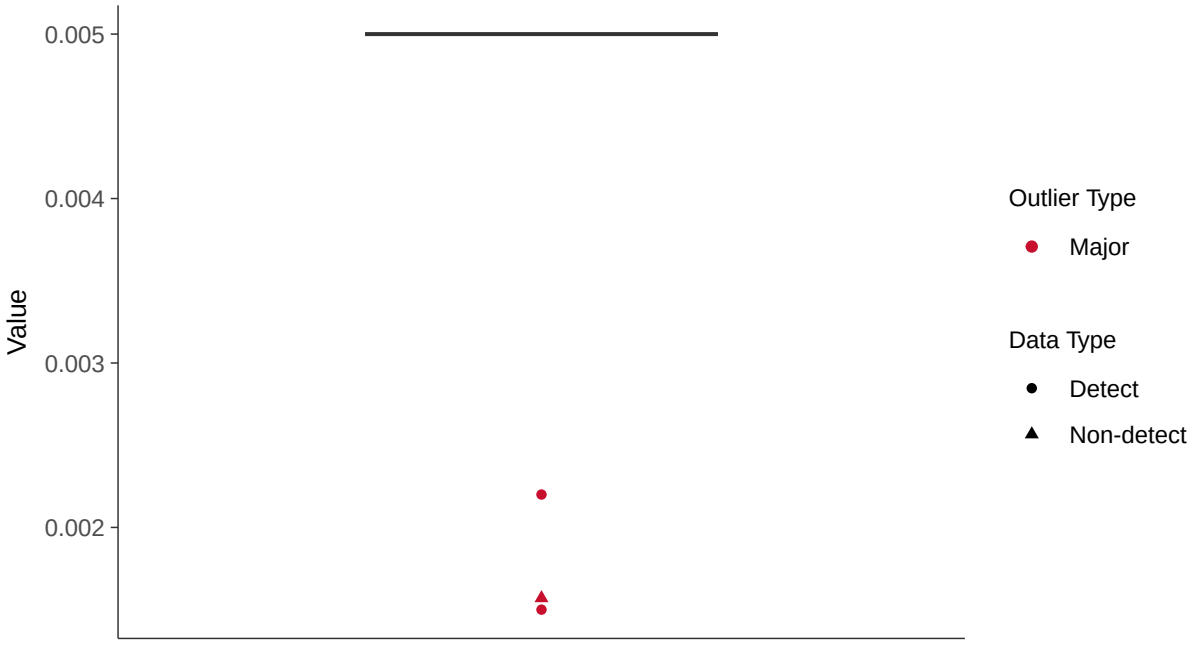
ID: 23_5_119





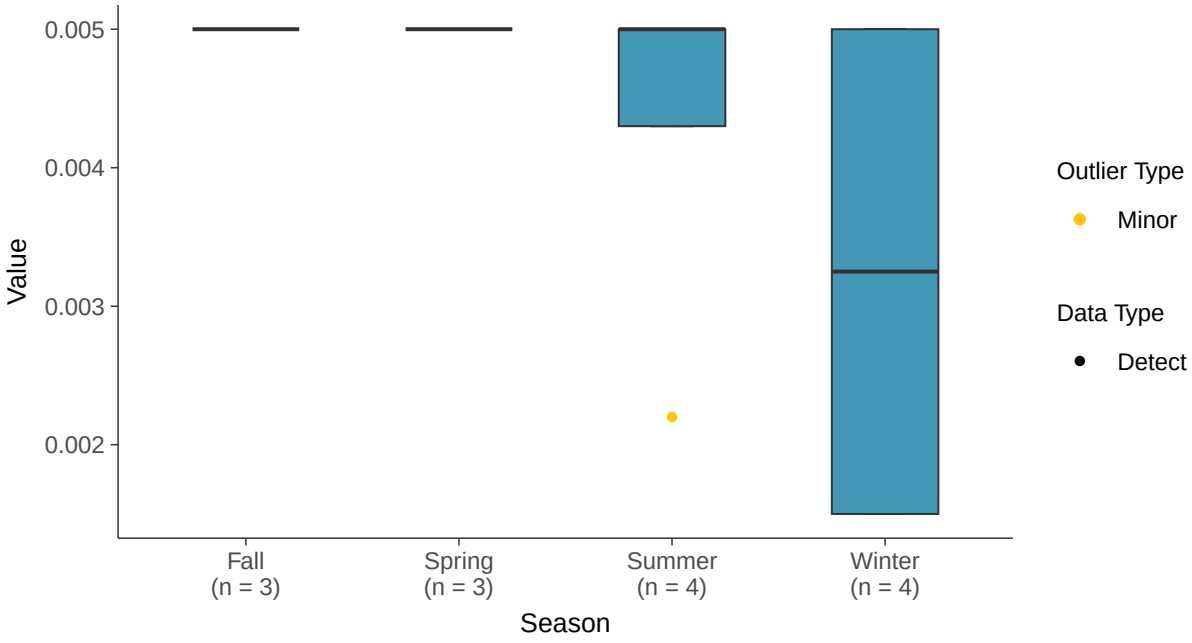
Boxplot

Nickel, MW-16A (mg/l)



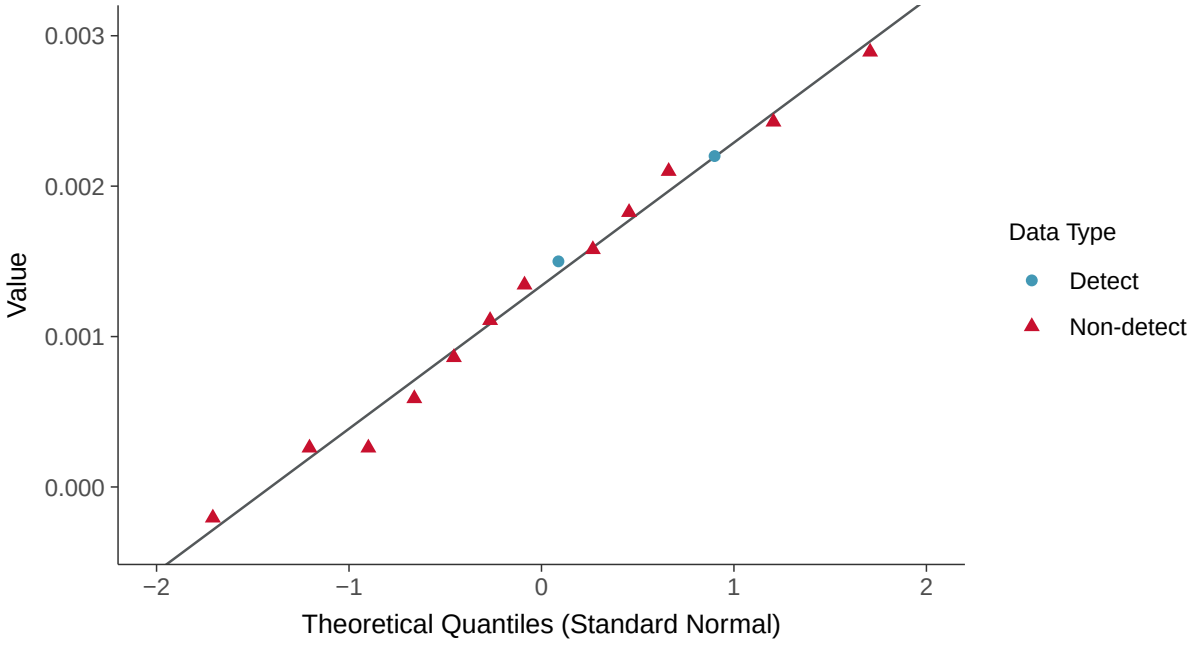
Boxplot by Season

Nickel, MW-16A (mg/l)



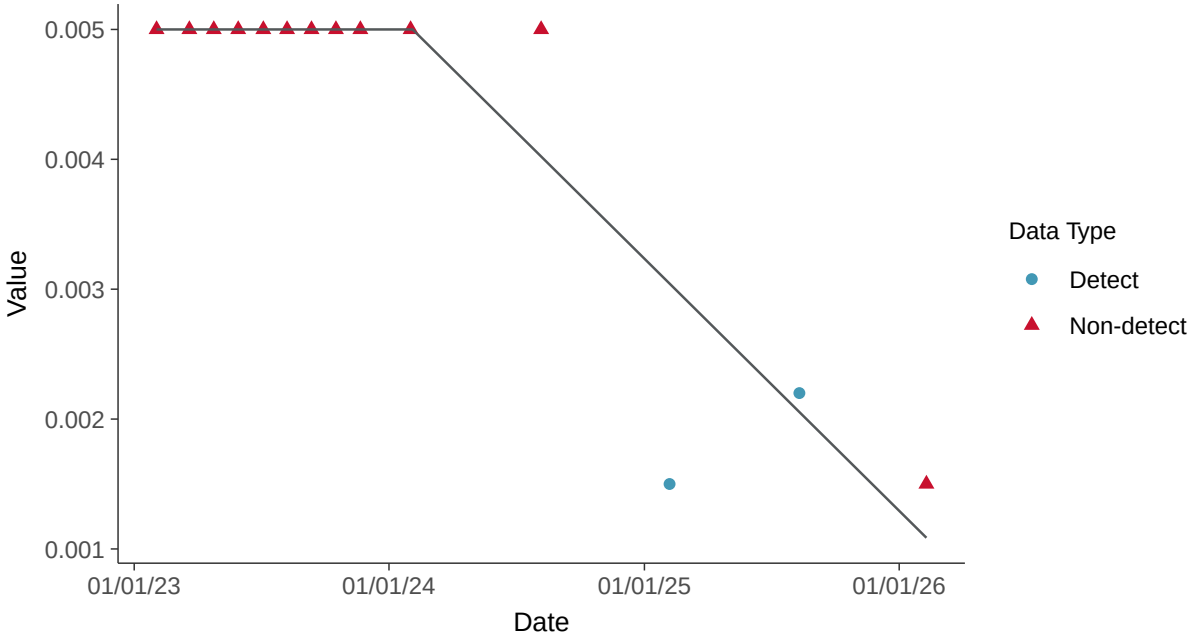
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-16A (mg/l)



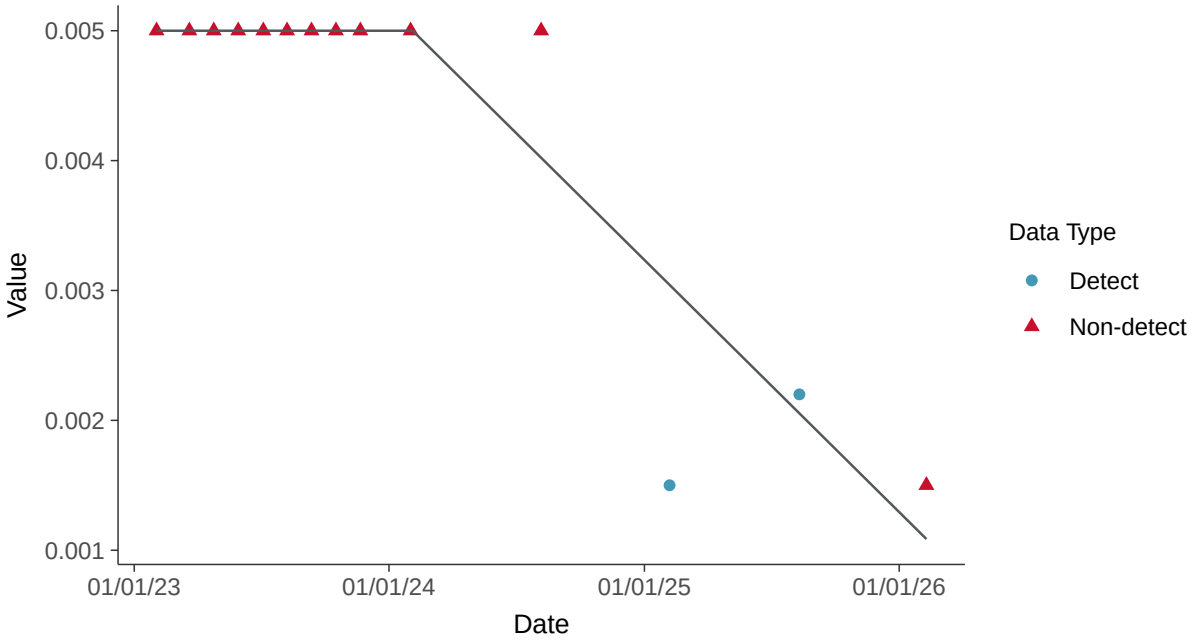
Trend Regression: Piecewise Linear-Linear

Nickel, MW-16A (mg/l)



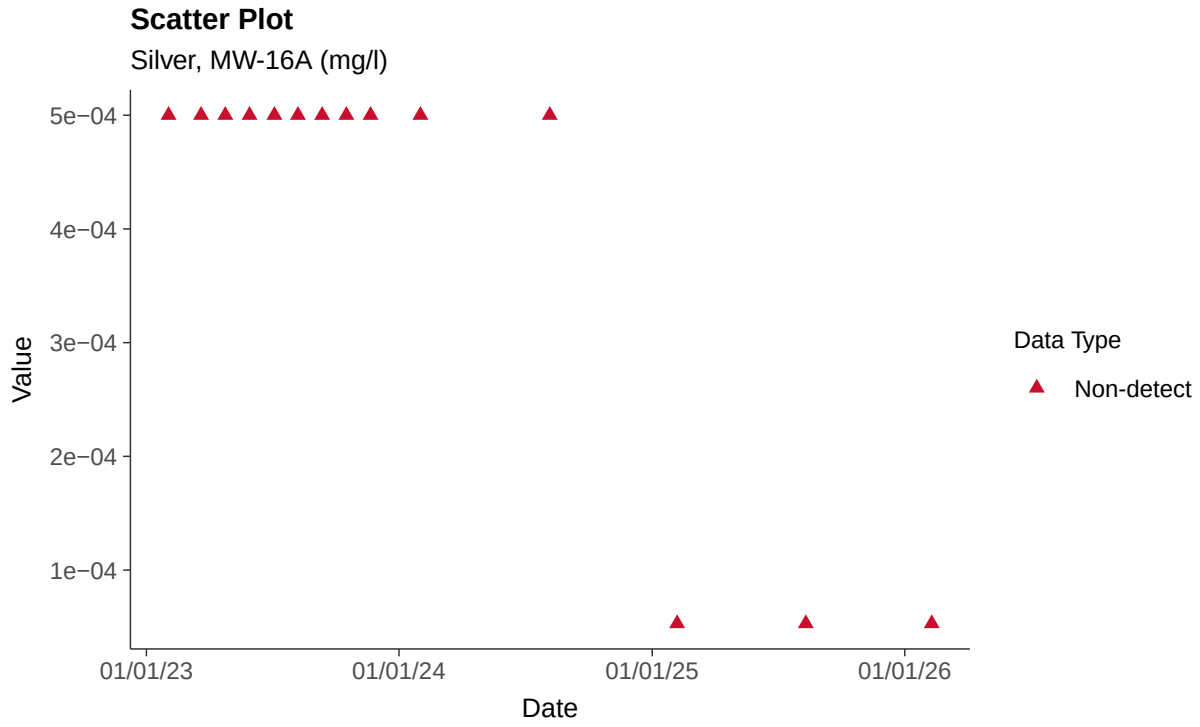
Trend Regression: Piecewise Linear-Linear-Linear

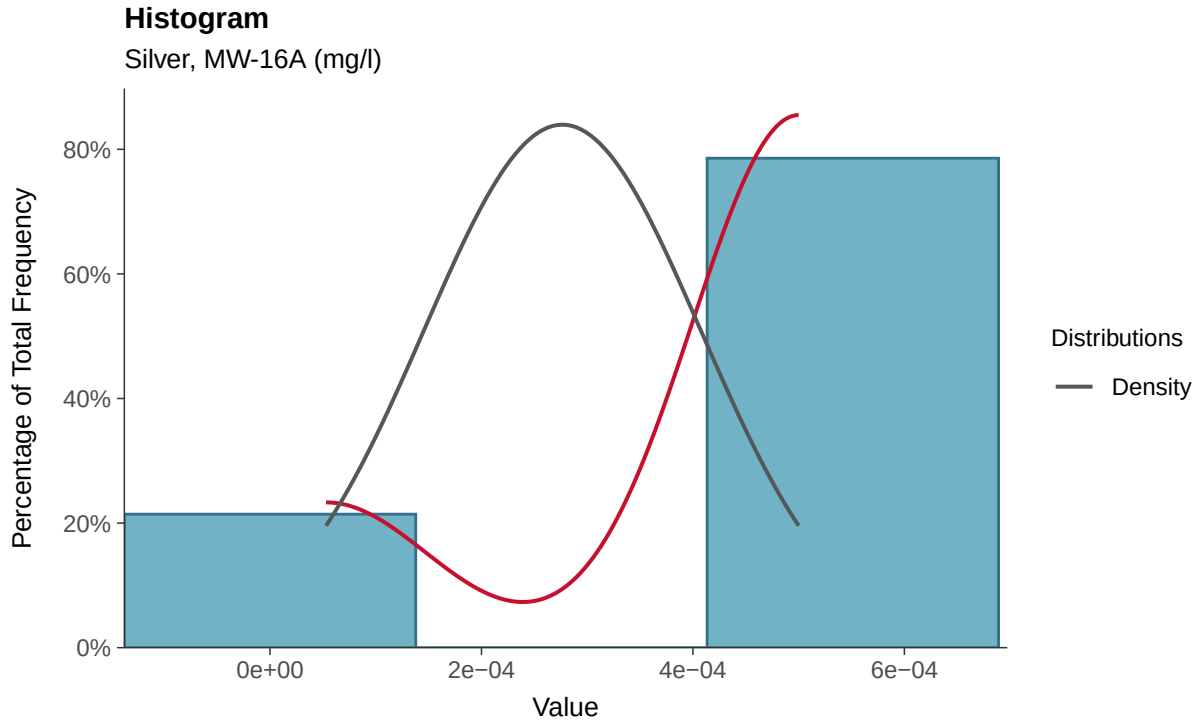
Nickel, MW-16A (mg/l)



Part 115: Silver, MW-16A

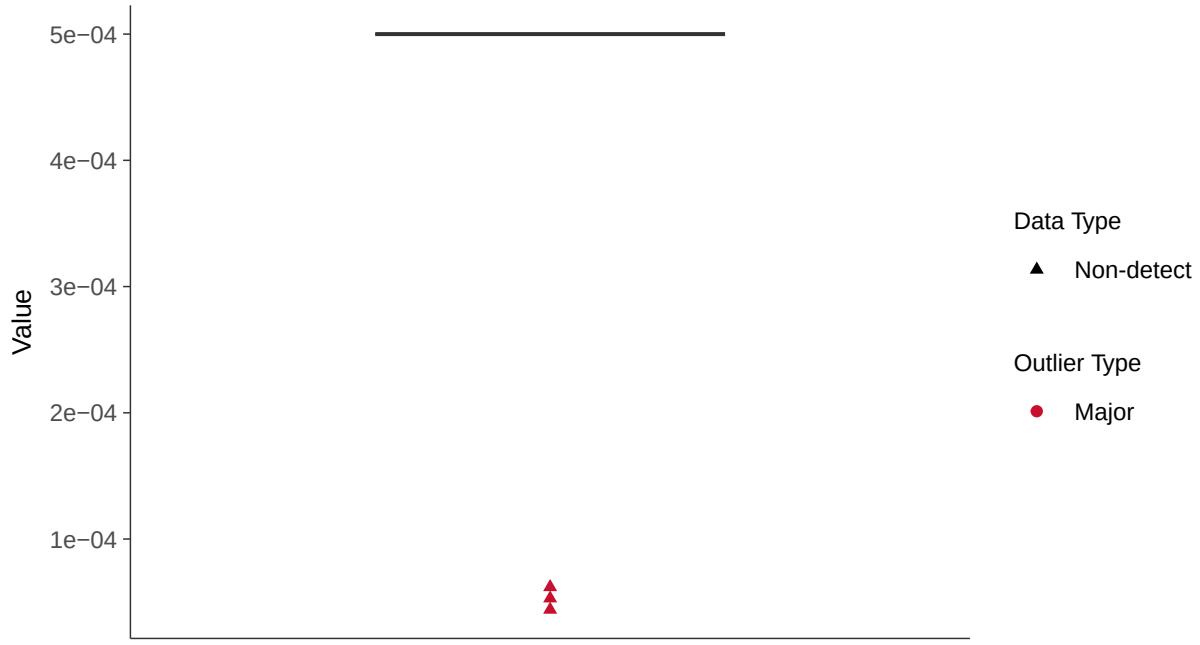
ID: 23_5_123





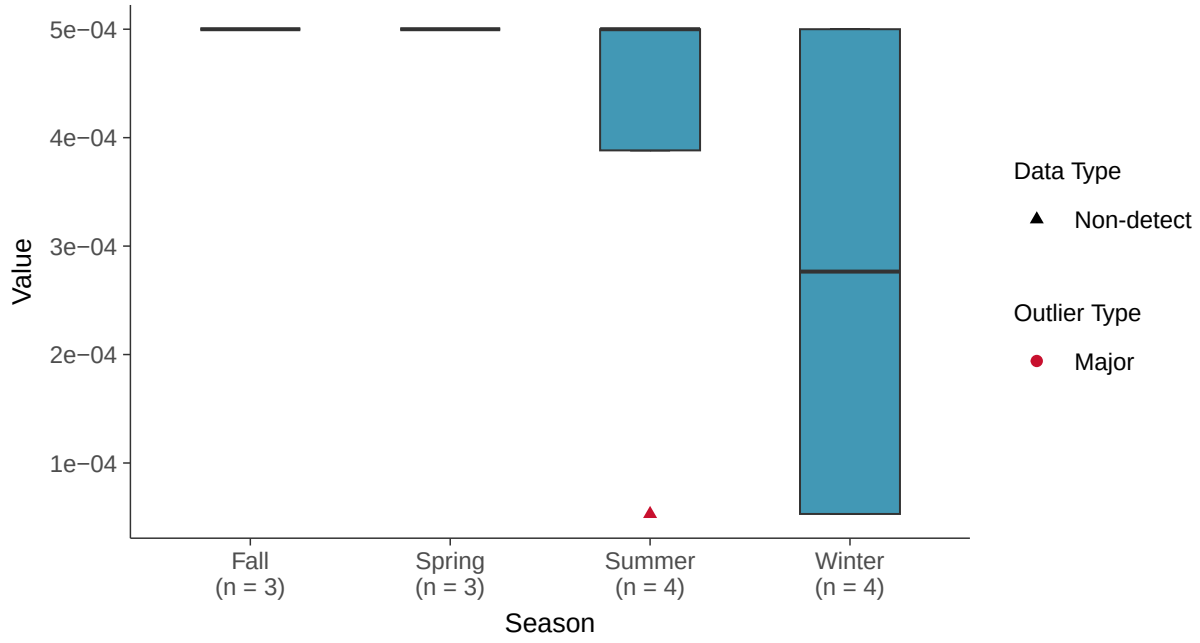
Boxplot

Silver, MW-16A (mg/l)



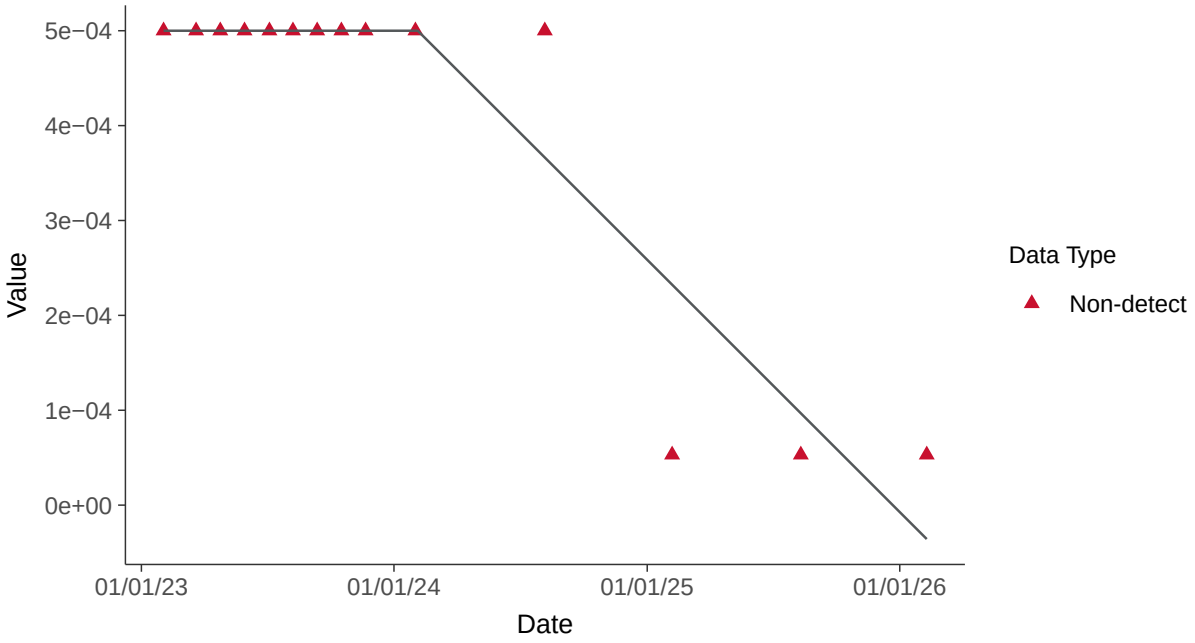
Boxplot by Season

Silver, MW-16A (mg/l)



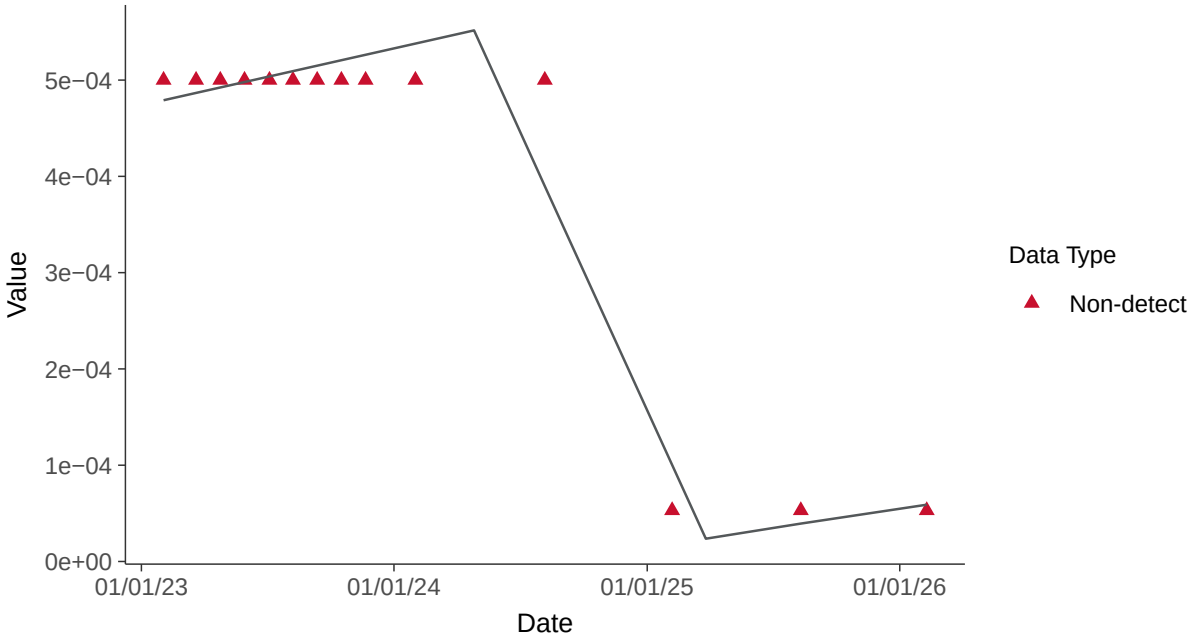
Trend Regression: Piecewise Linear-Linear

Silver, MW-16A (mg/l)



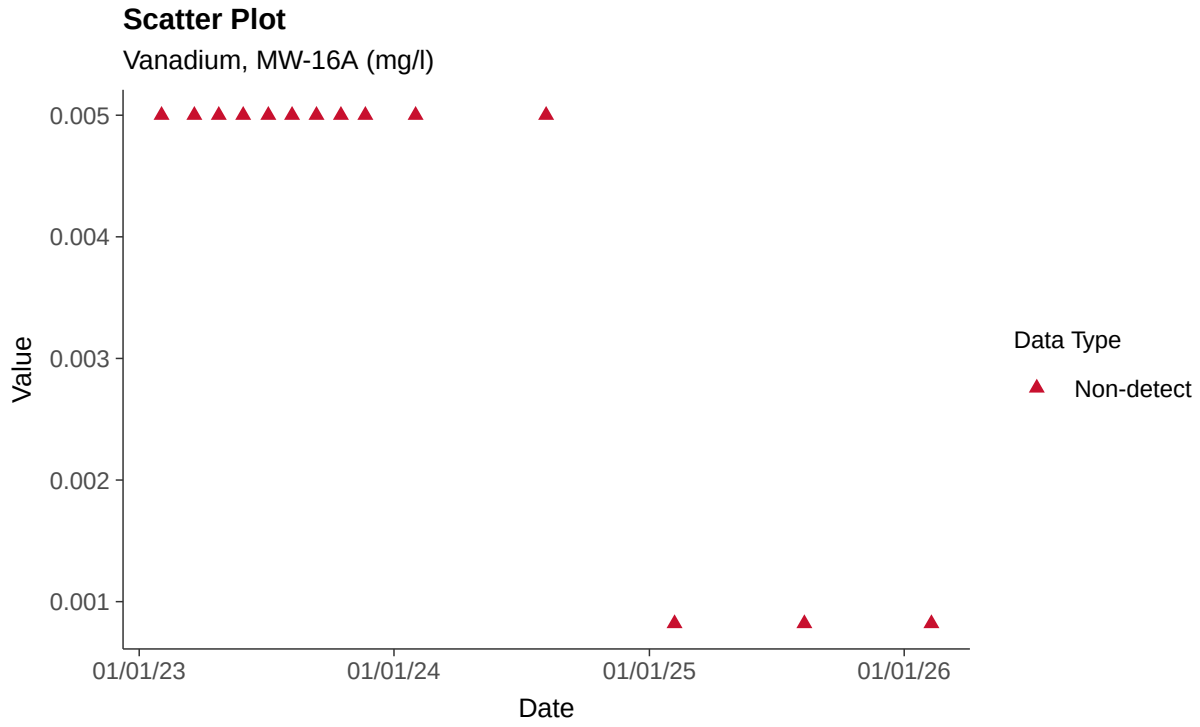
Trend Regression: Piecewise Linear-Linear-Linear

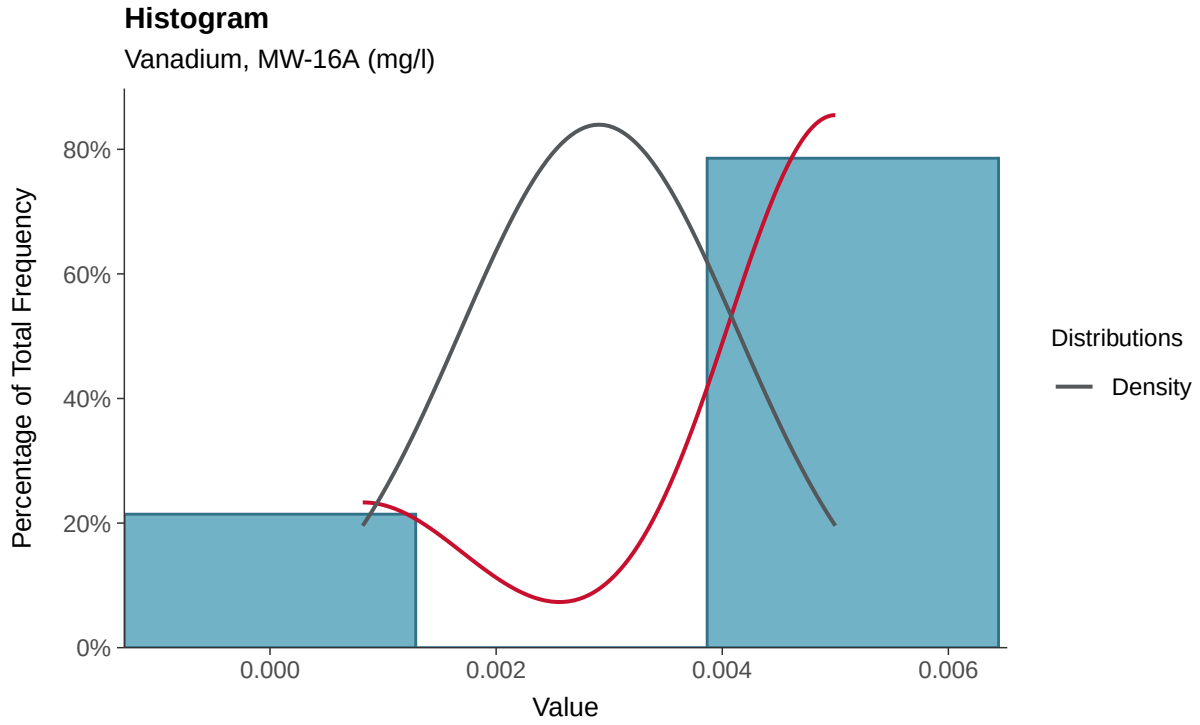
Silver, MW-16A (mg/l)



Part 115: Vanadium, MW-16A

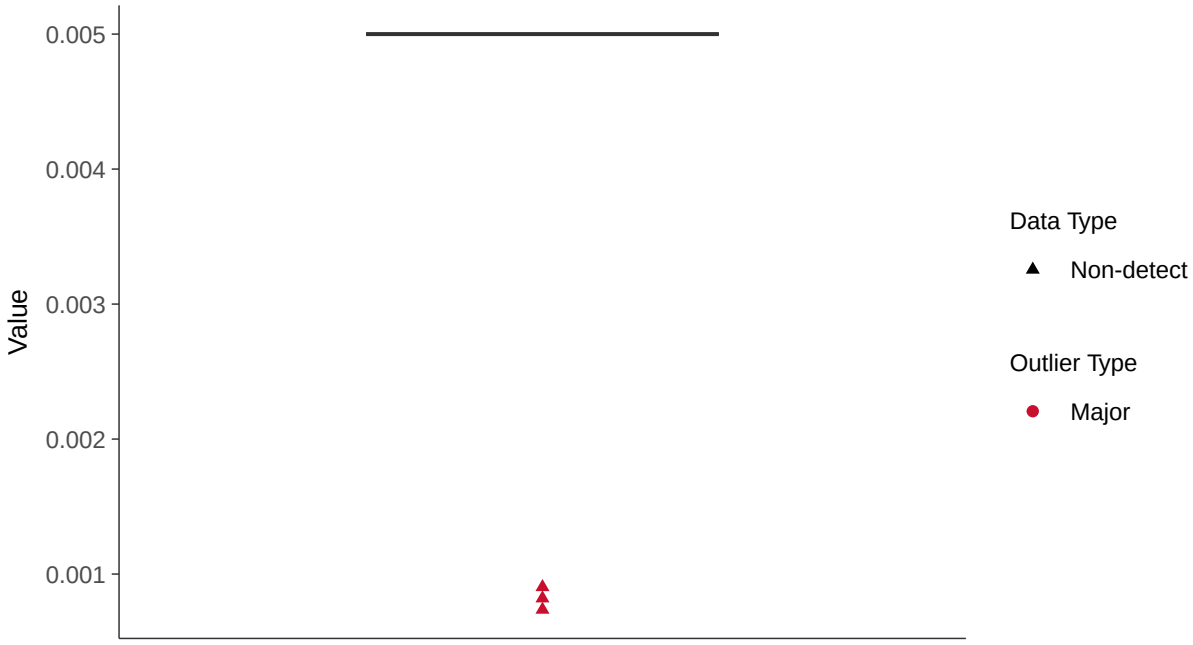
ID: 23_5_128





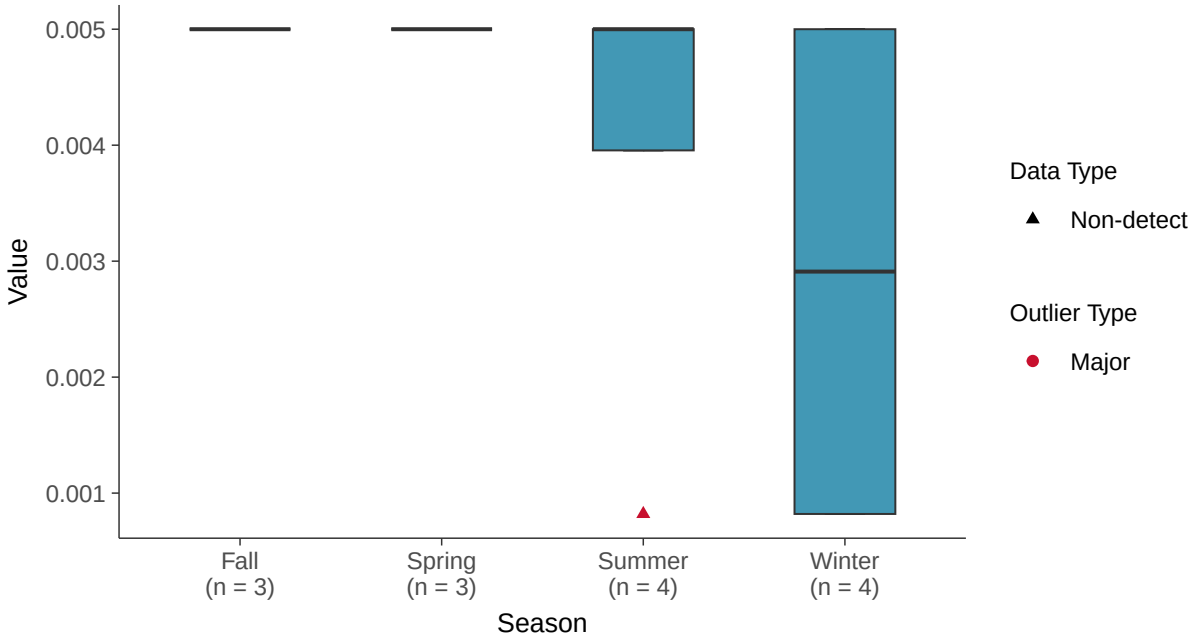
Boxplot

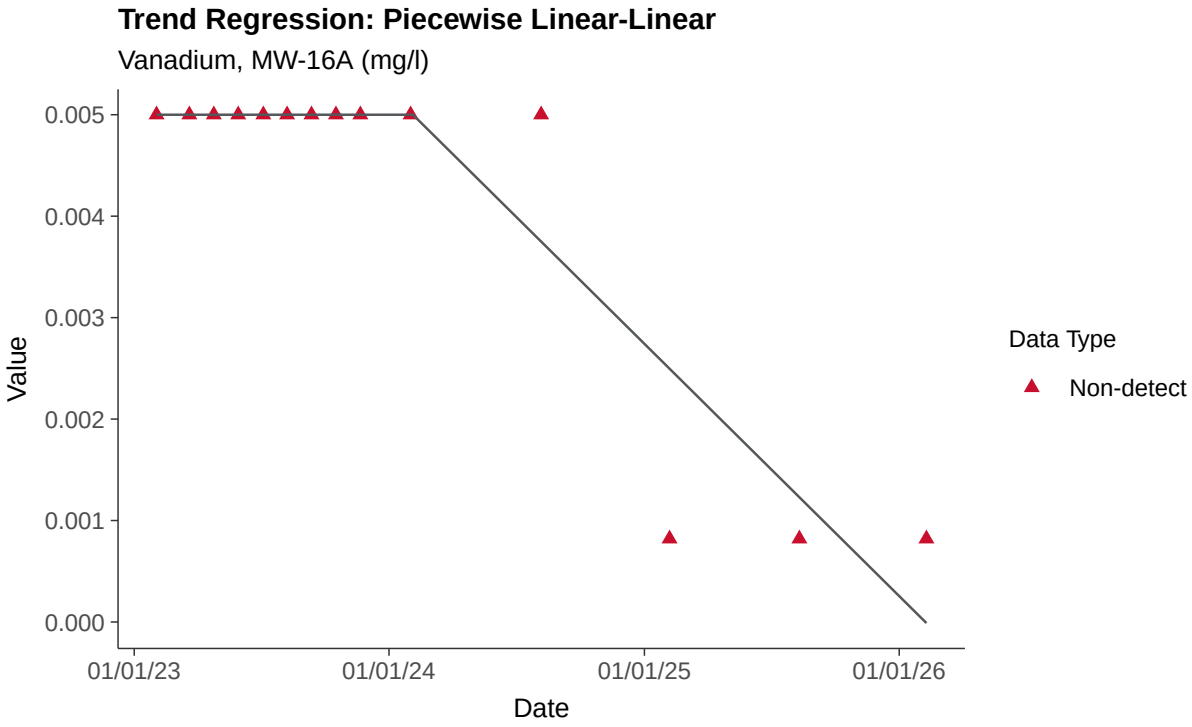
Vanadium, MW-16A (mg/l)



Boxplot by Season

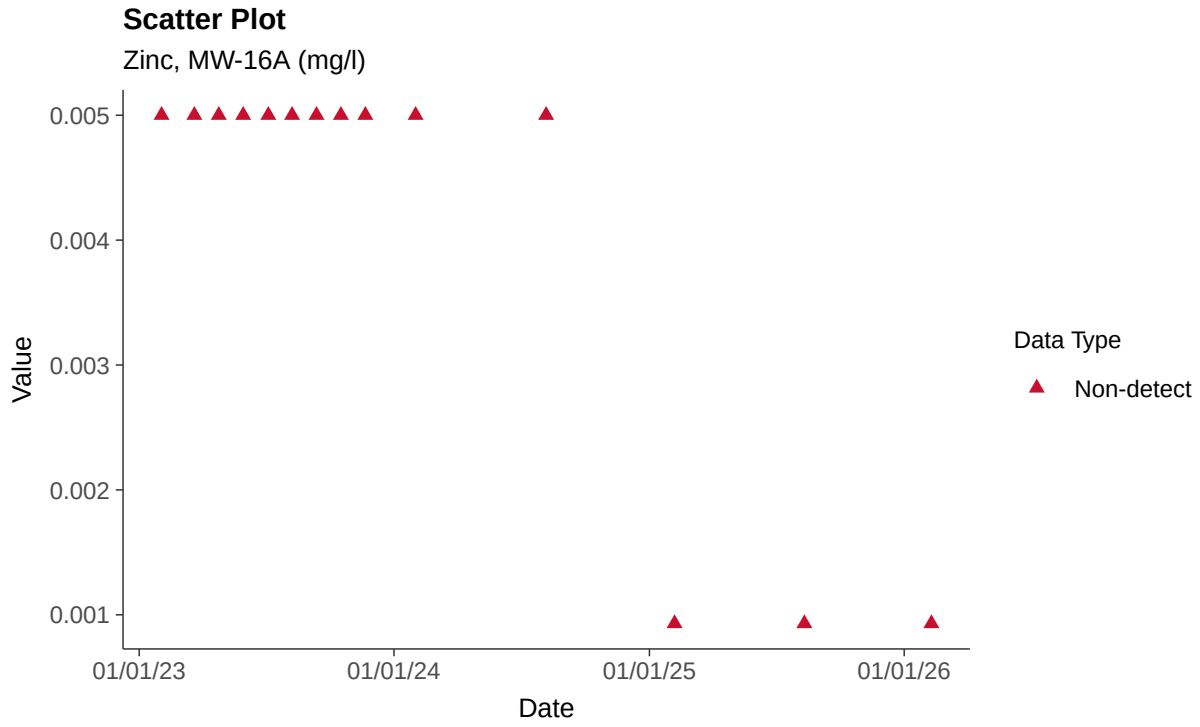
Vanadium, MW-16A (mg/l)

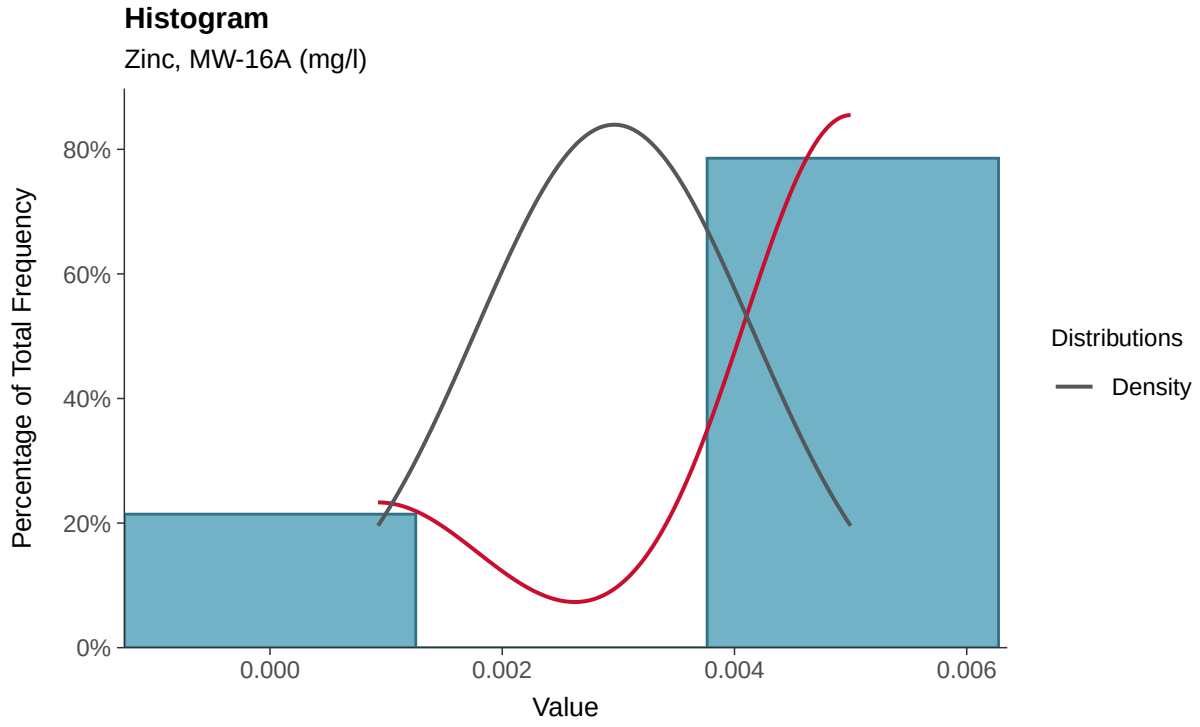



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-16A (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-16A

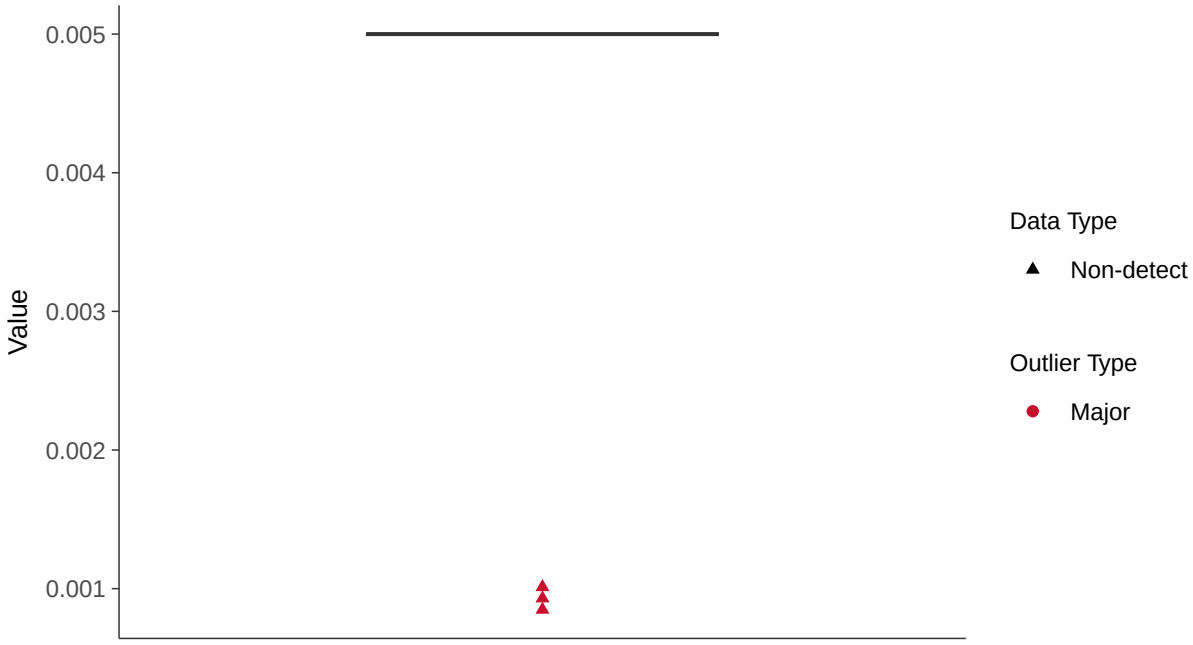
ID: 23_5_129





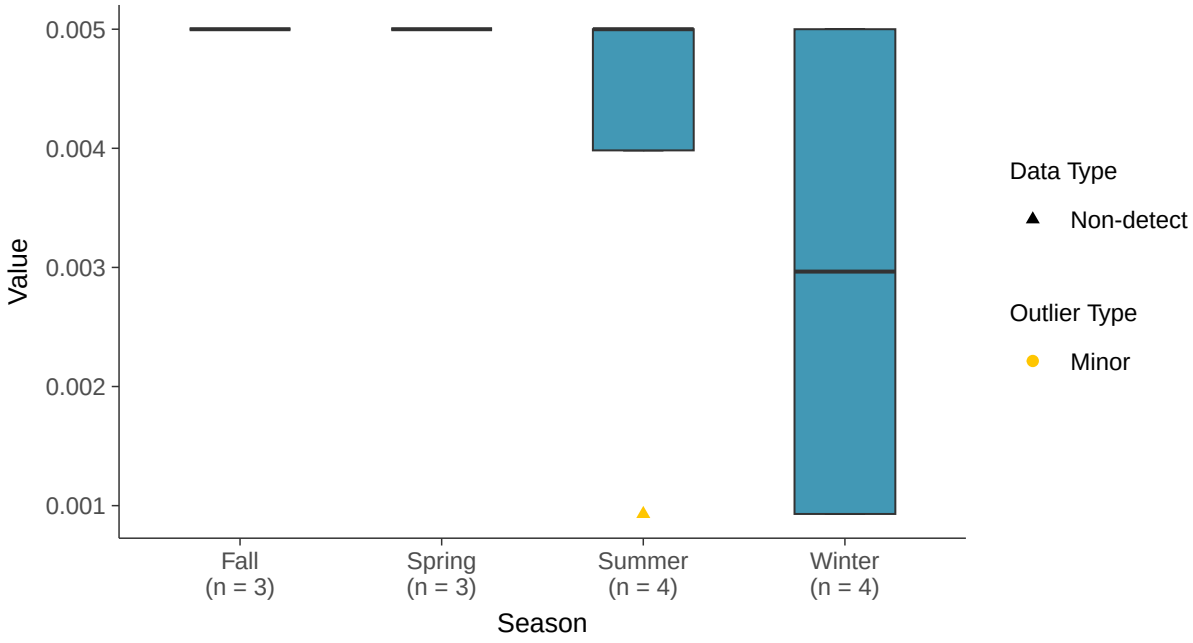
Boxplot

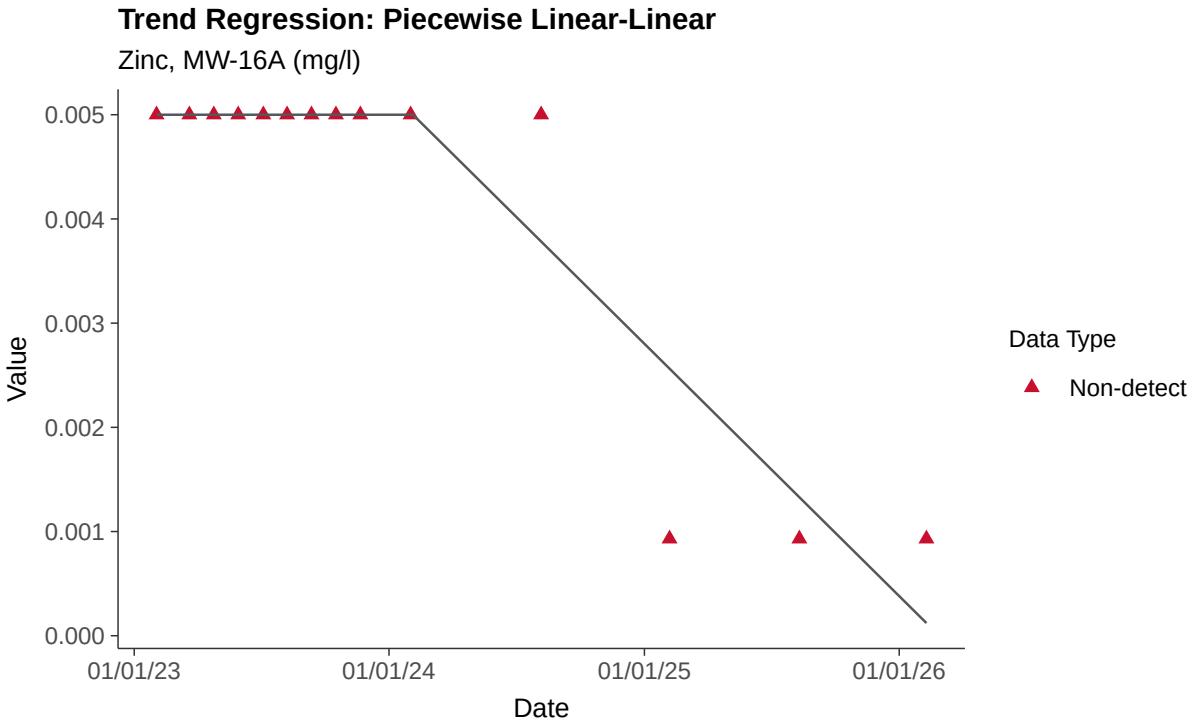
Zinc, MW-16A (mg/l)



Boxplot by Season

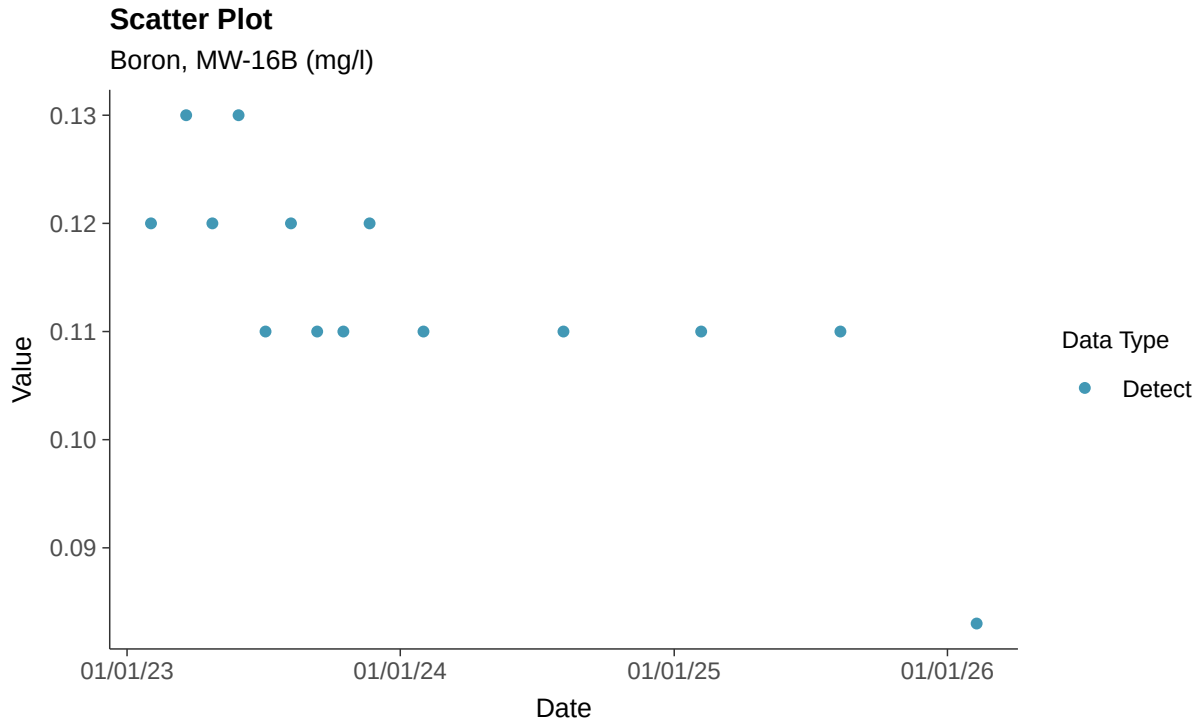
Zinc, MW-16A (mg/l)

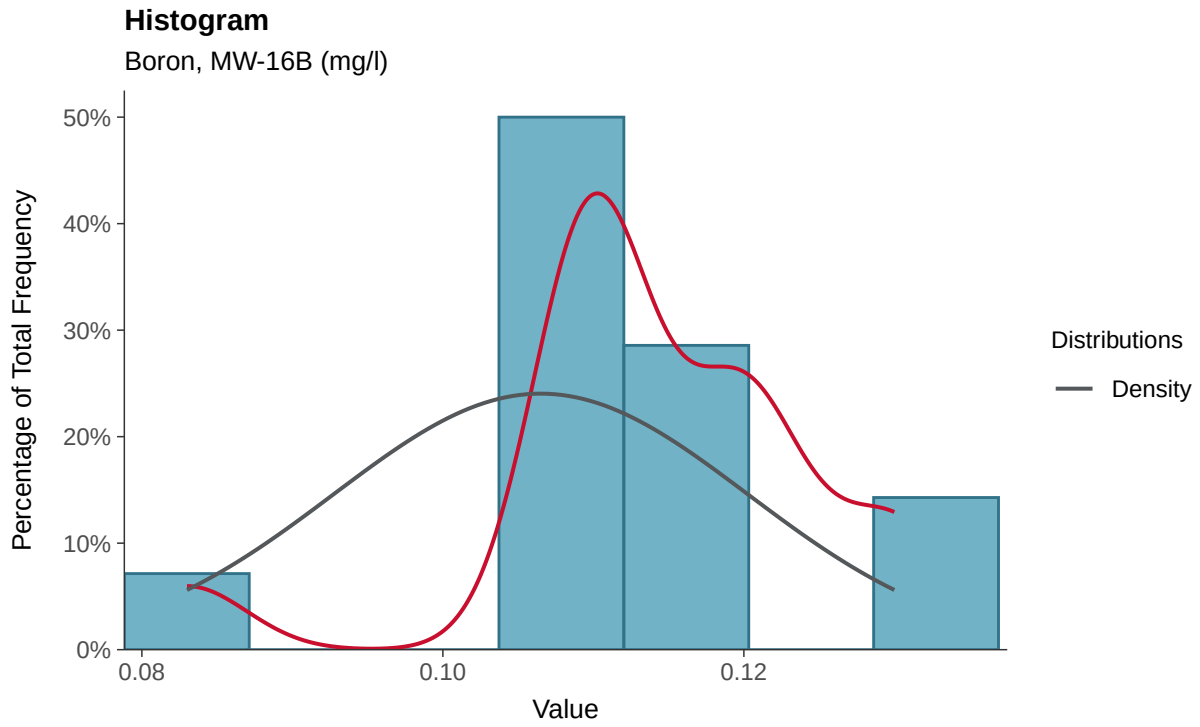



Trend Regression: Piecewise Linear-Linear
Zinc, MW-16A (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix III: Boron, MW-16B

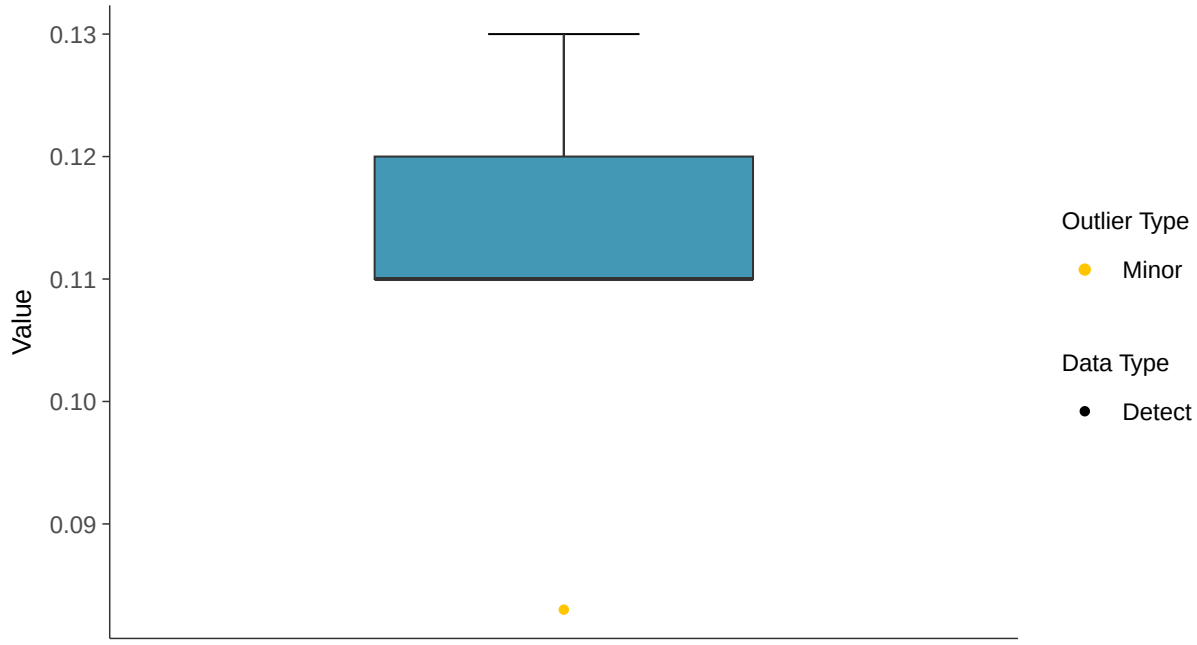
ID: 24_2_105





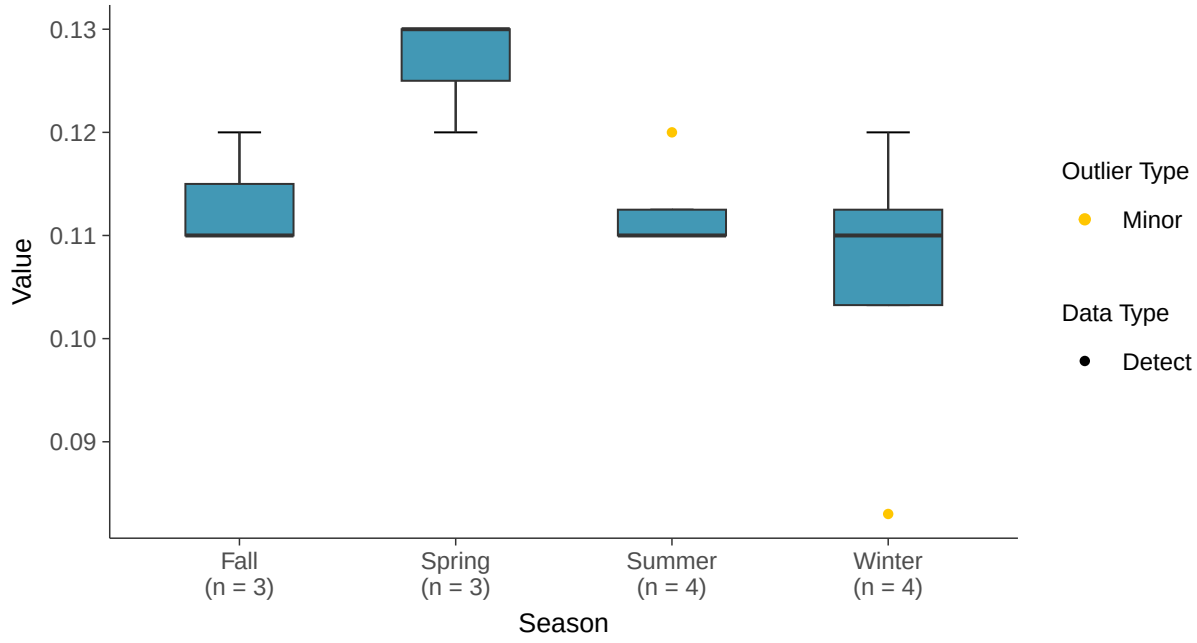
Boxplot

Boron, MW-16B (mg/l)



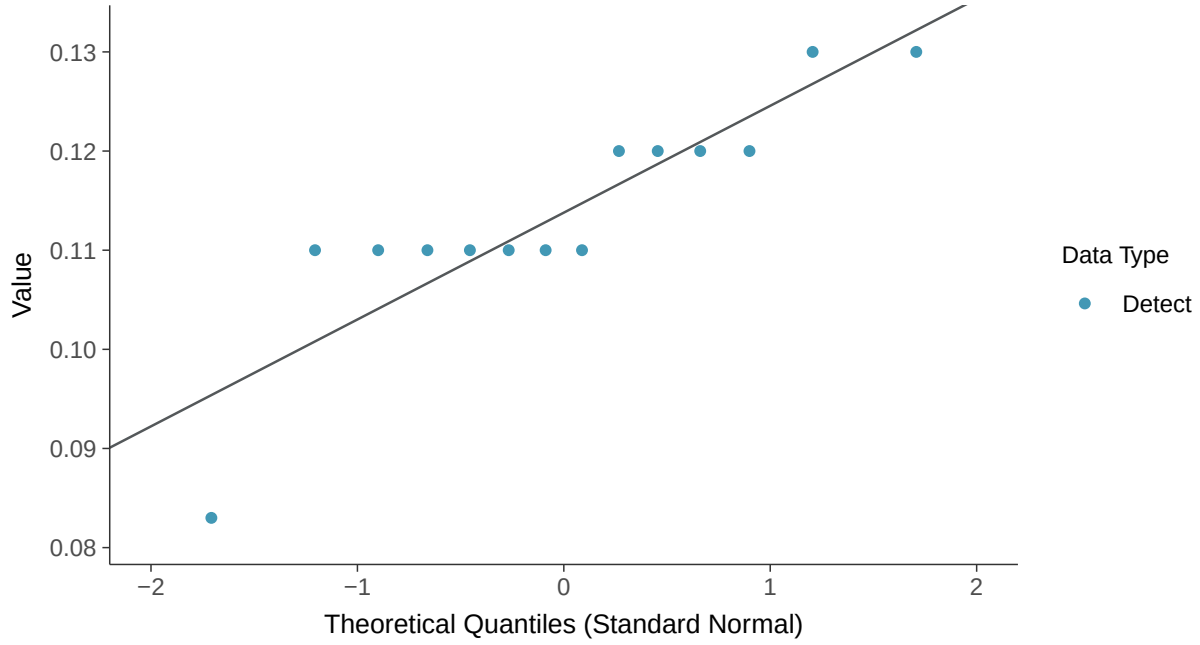
Boxplot by Season

Boron, MW-16B (mg/l)



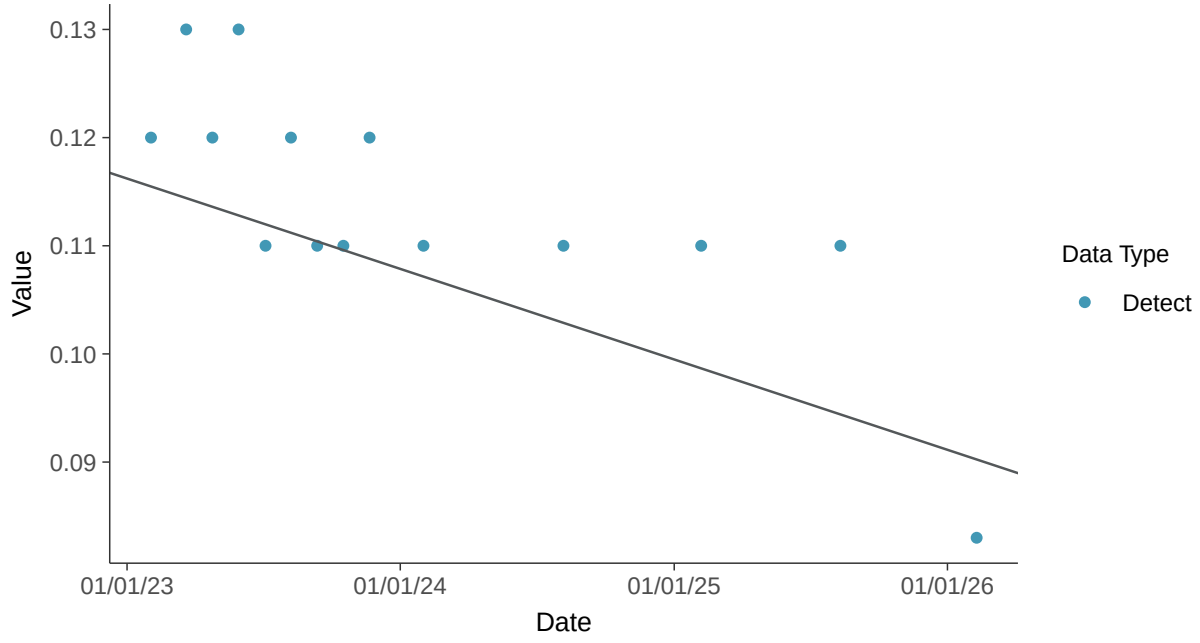
Normal Q-Q plot

Boron, MW-16B (mg/l)



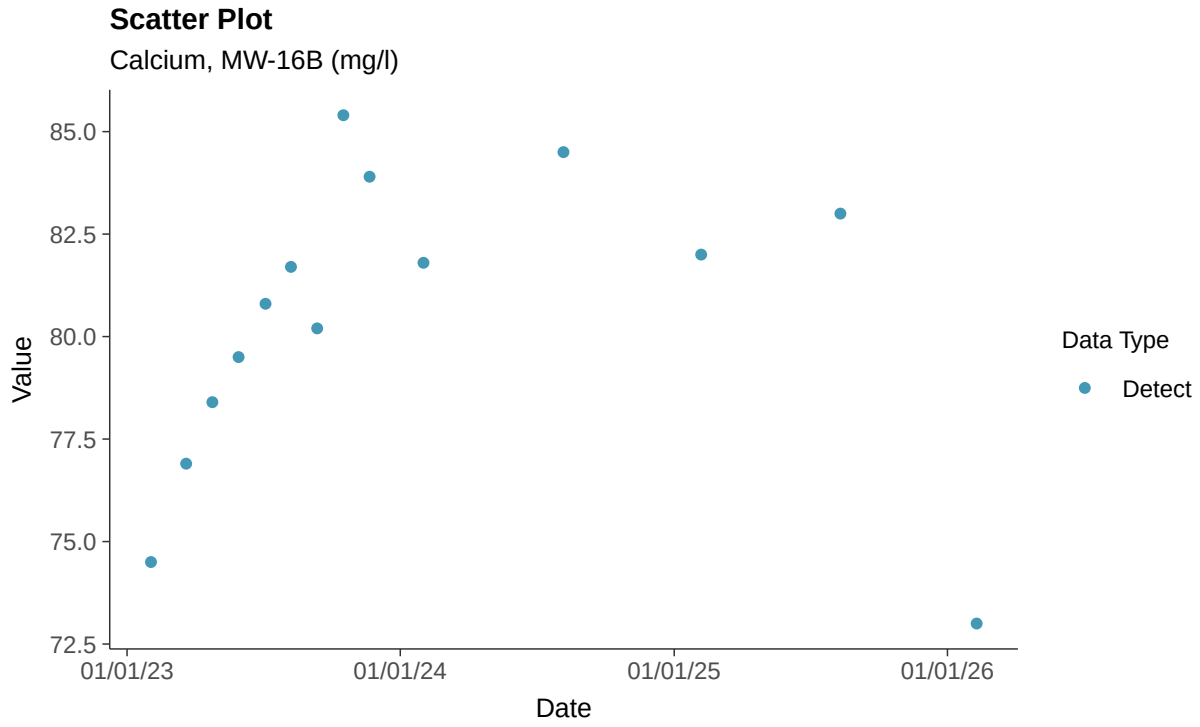
Trend Regression: Mann-Kendall/Theil-Sen Estimate

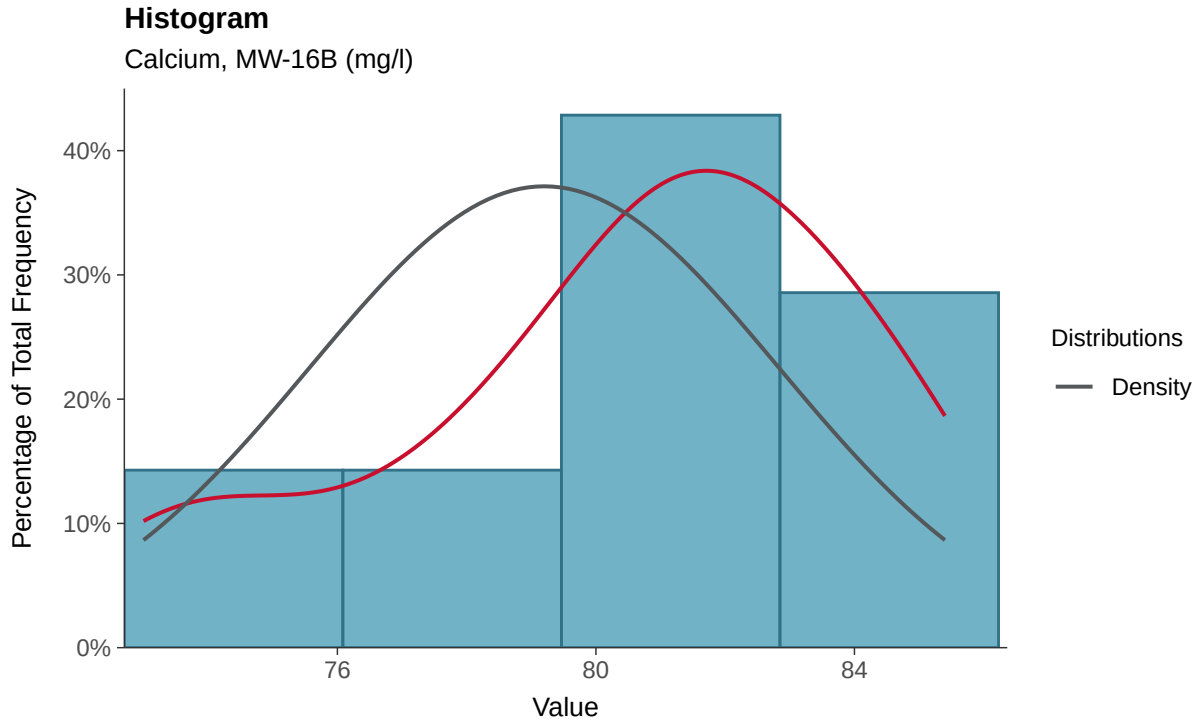
Boron, MW-16B (mg/l)



Appendix III: Calcium, MW-16B

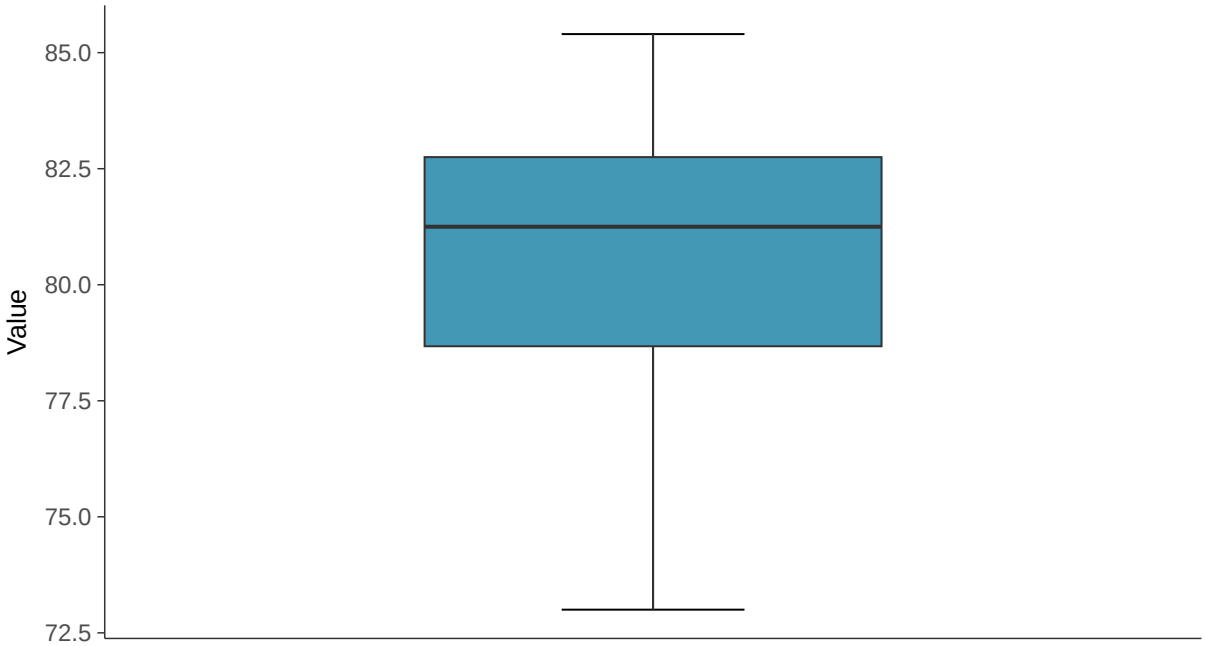
ID: 24_2_107





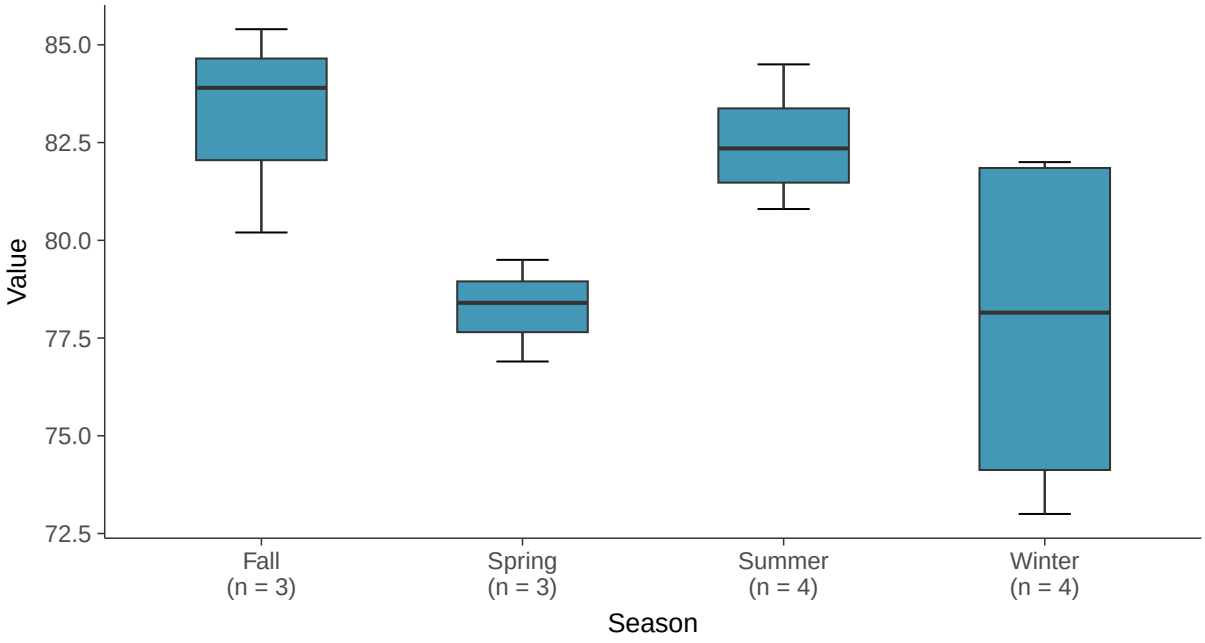
Boxplot

Calcium, MW-16B (mg/l)



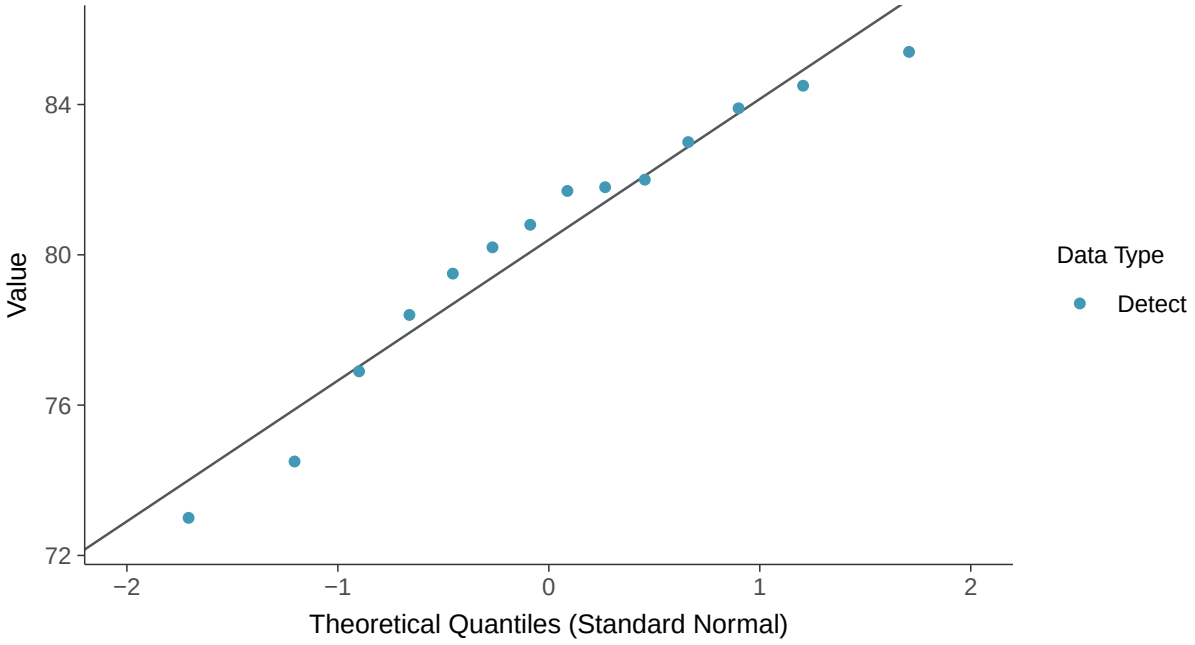
Boxplot by Season

Calcium, MW-16B (mg/l)



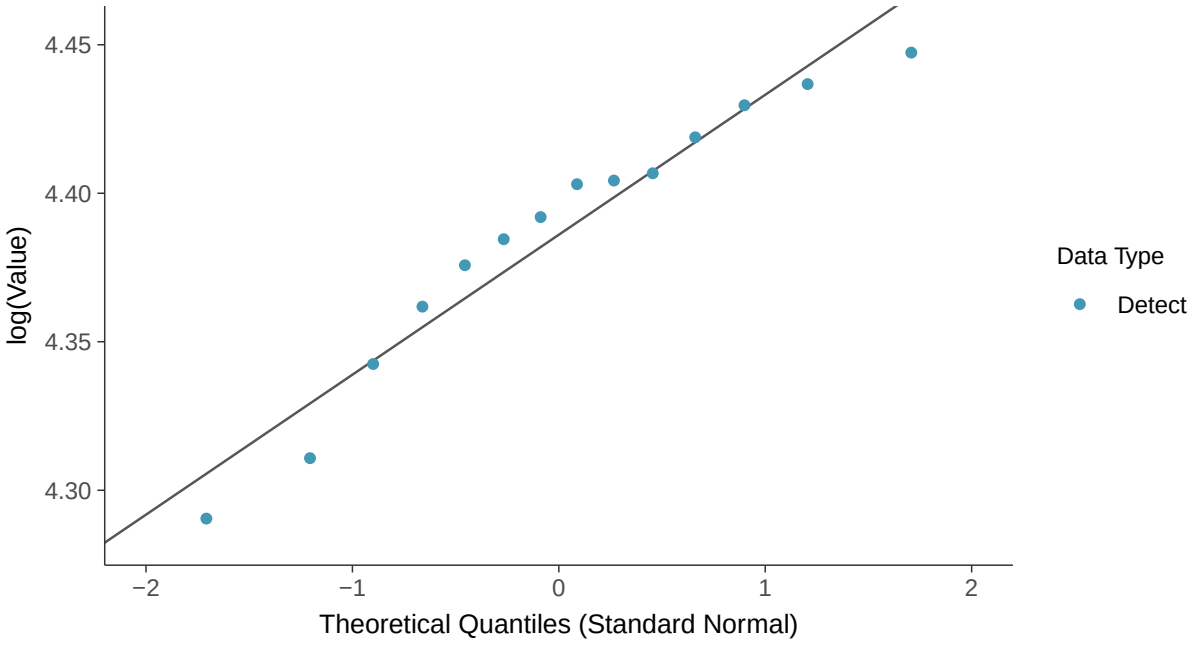
Normal Q-Q plot

Calcium, MW-16B (mg/l)



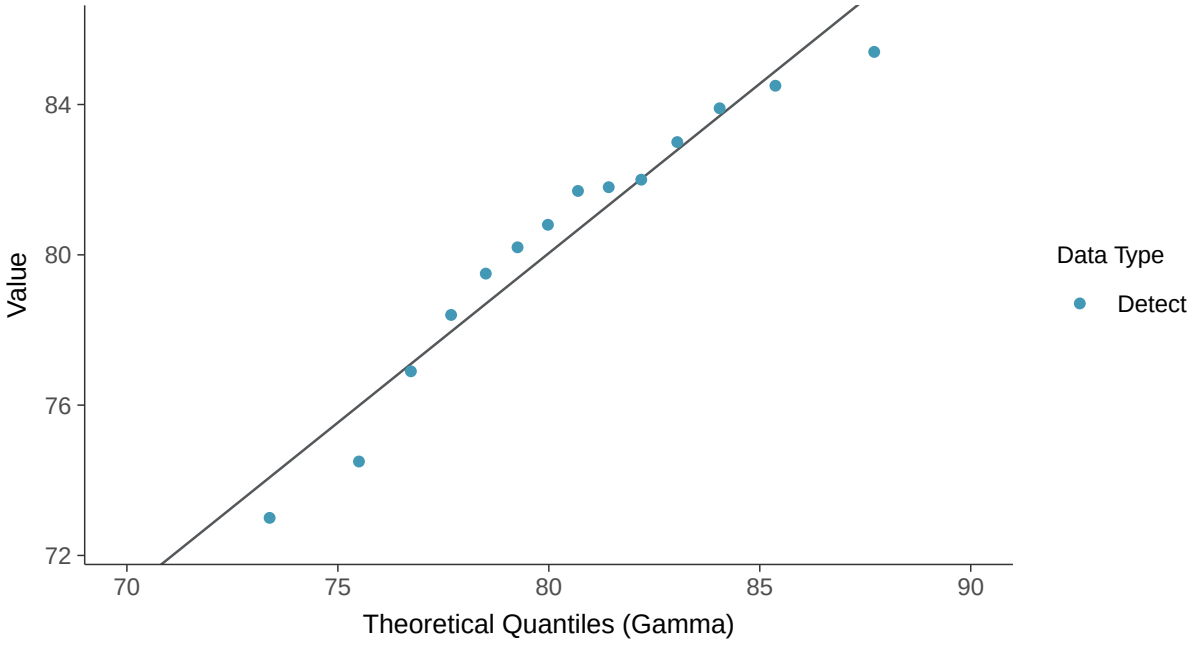
Lognormal Q-Q plot

Calcium, MW-16B (mg/l)



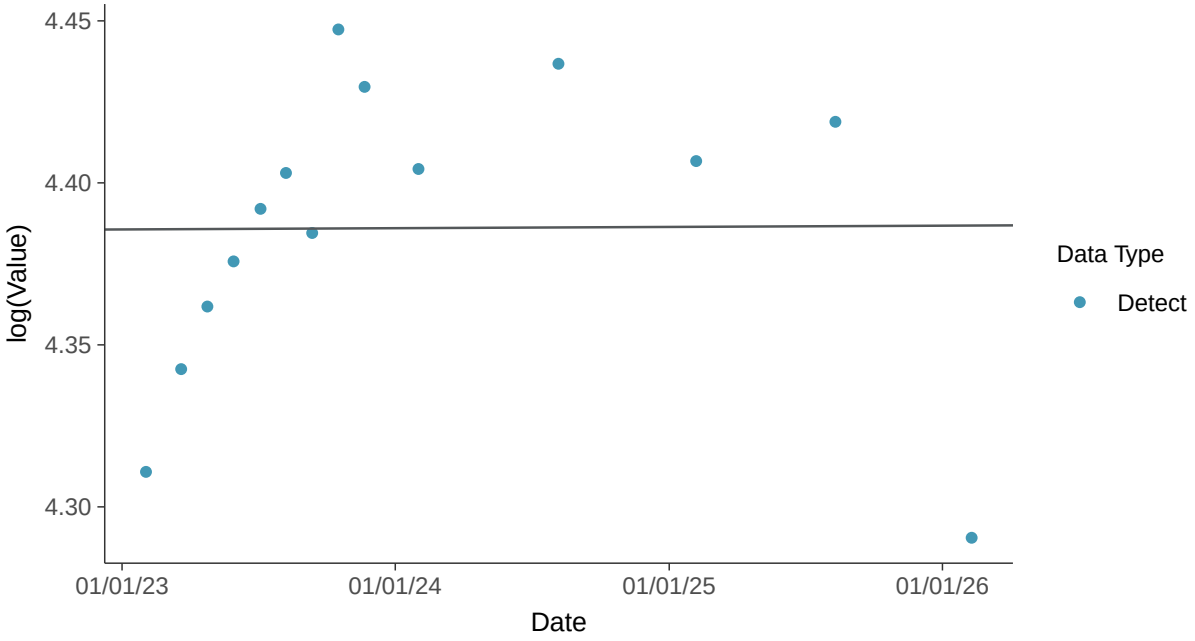
Gamma Q-Q plot

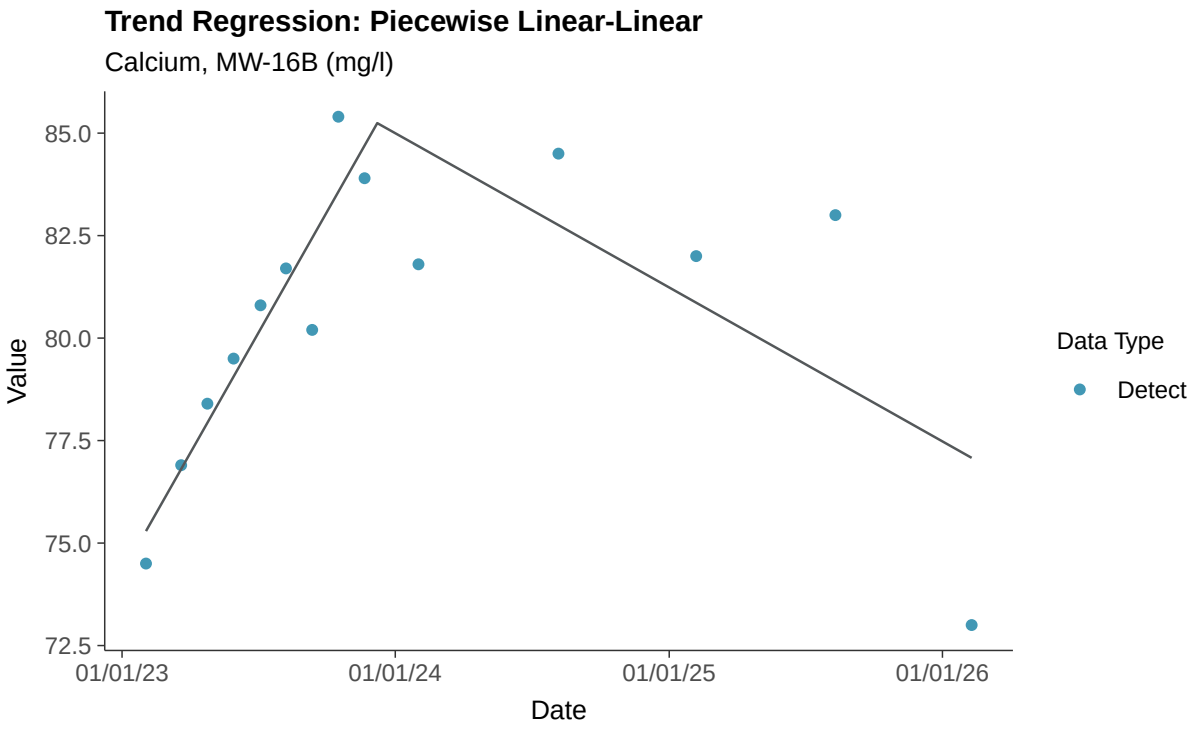
Calcium, MW-16B (mg/l)



Trend Regression: Lognormal MLE

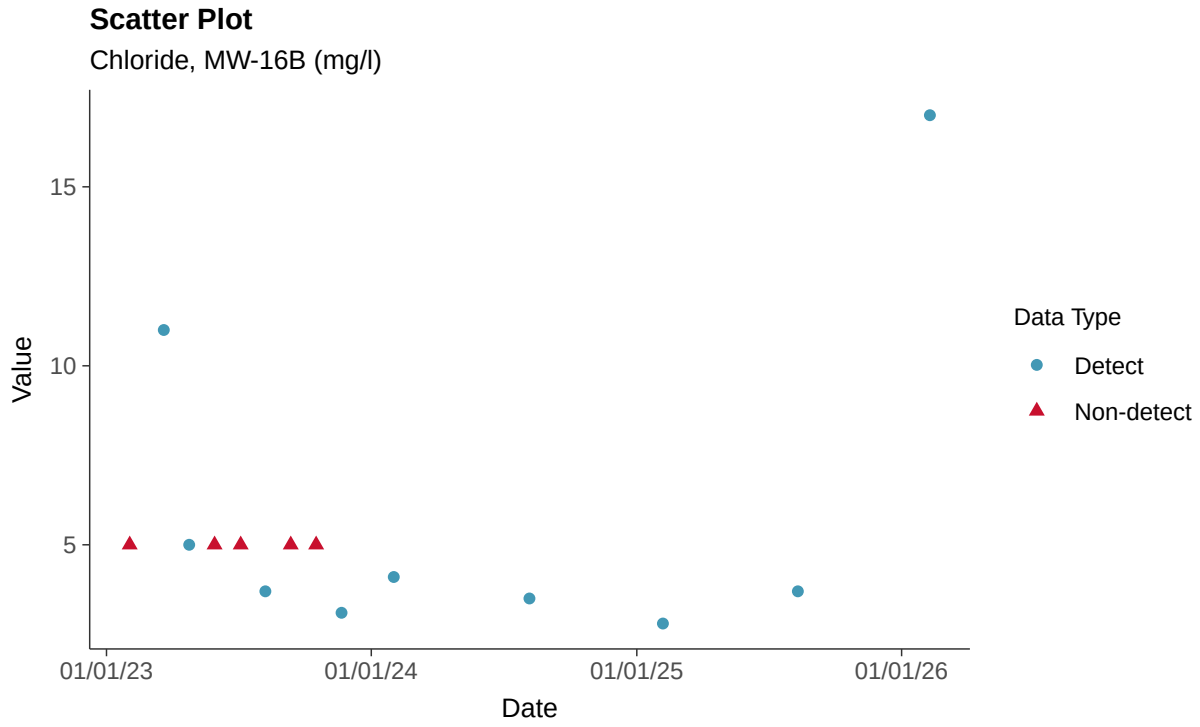
Calcium, MW-16B (mg/l)

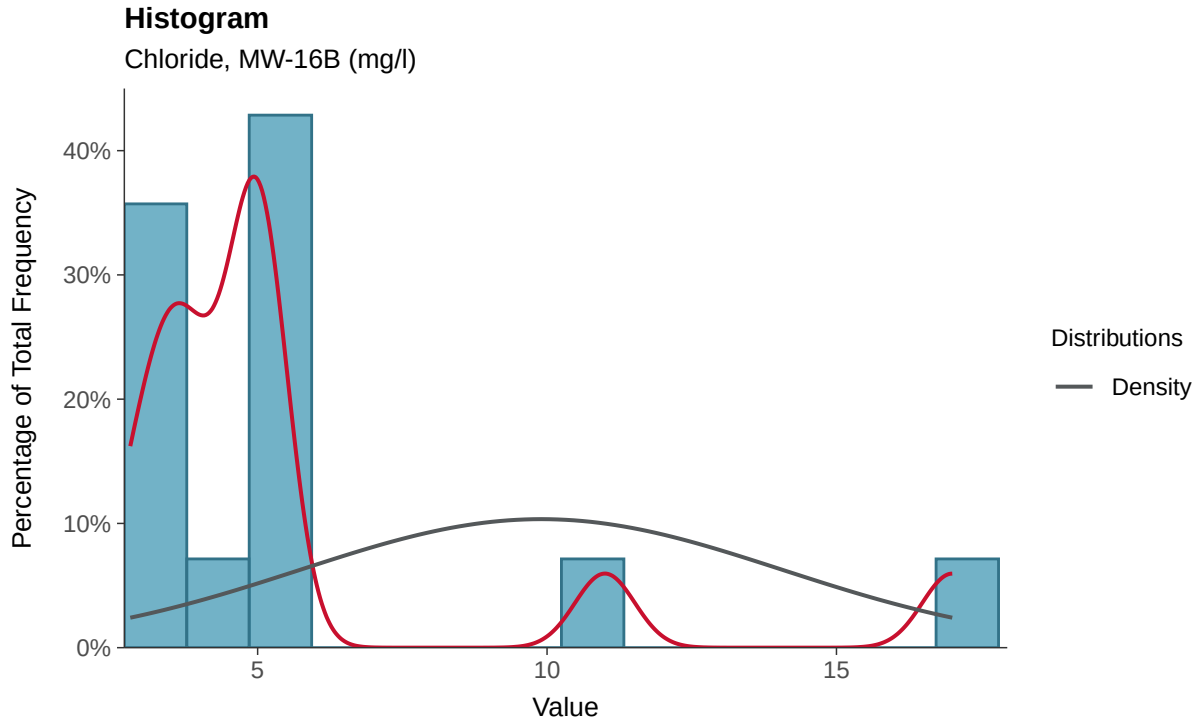



Trend Regression: Piecewise Linear-Linear
Calcium, MW-16B (mg/l)
Value
85.0
82.5
80.0
77.5
75.0
72.5
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Chloride, MW-16B

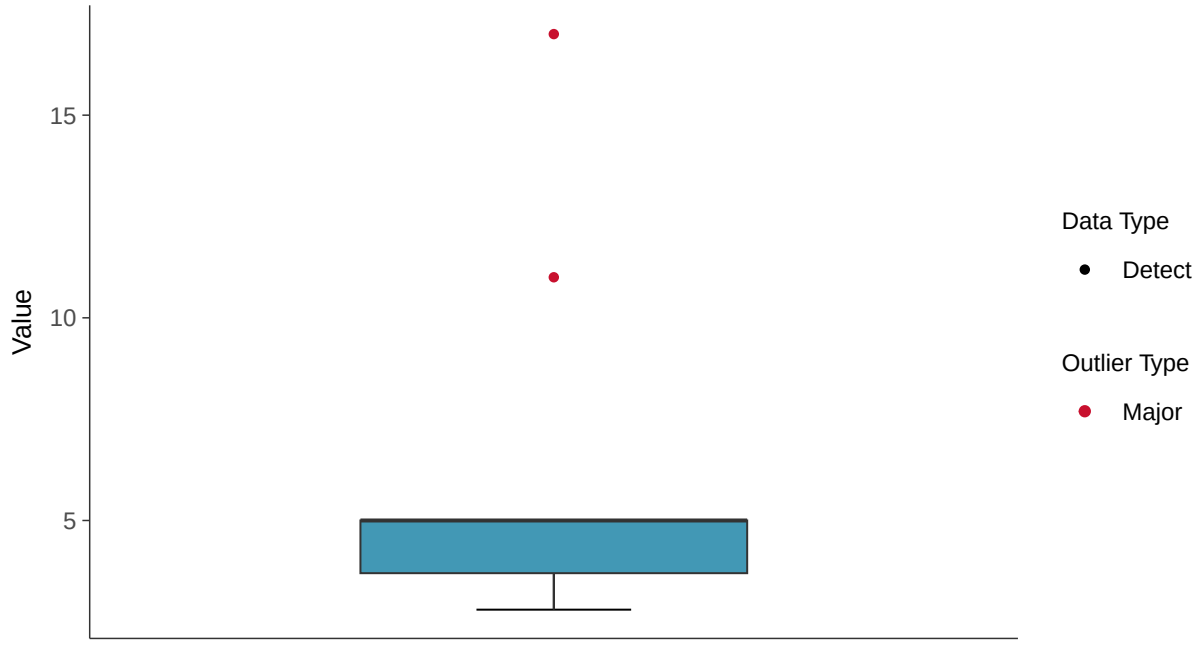
ID: 24_2_108





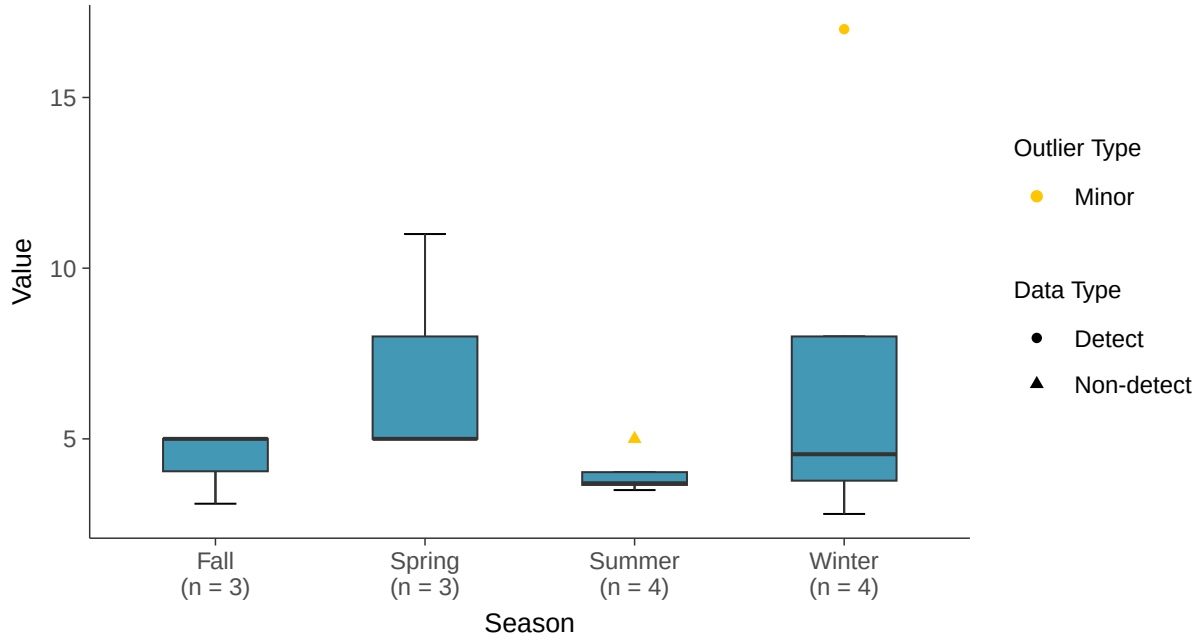
Boxplot

Chloride, MW-16B (mg/l)



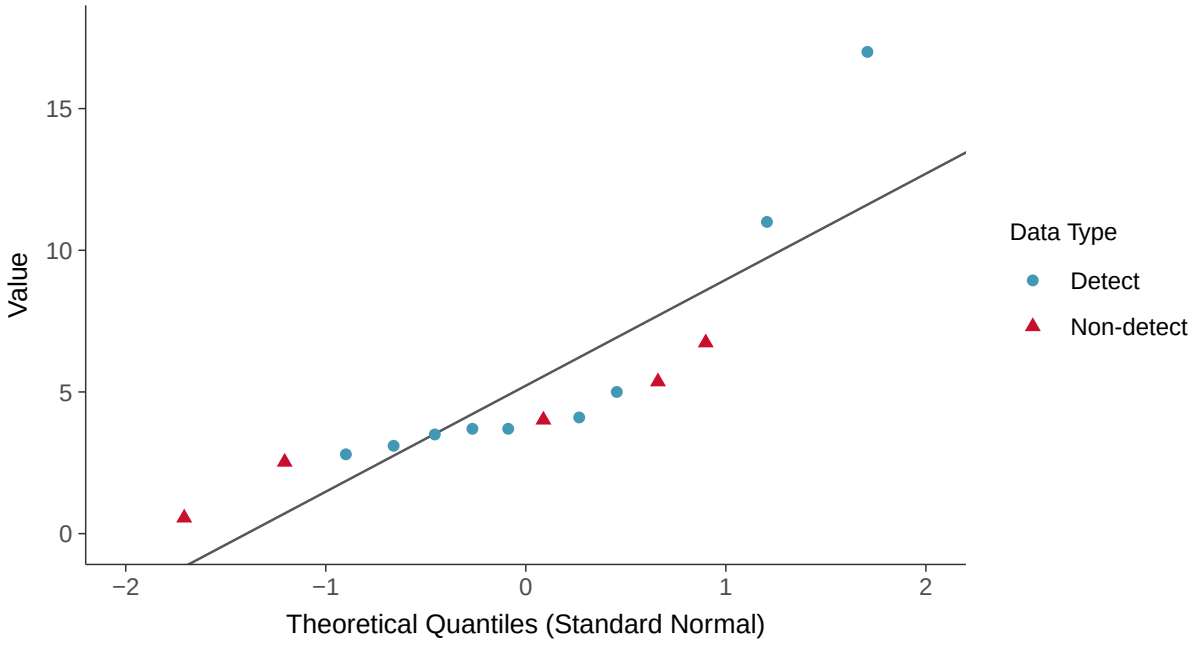
Boxplot by Season

Chloride, MW-16B (mg/l)



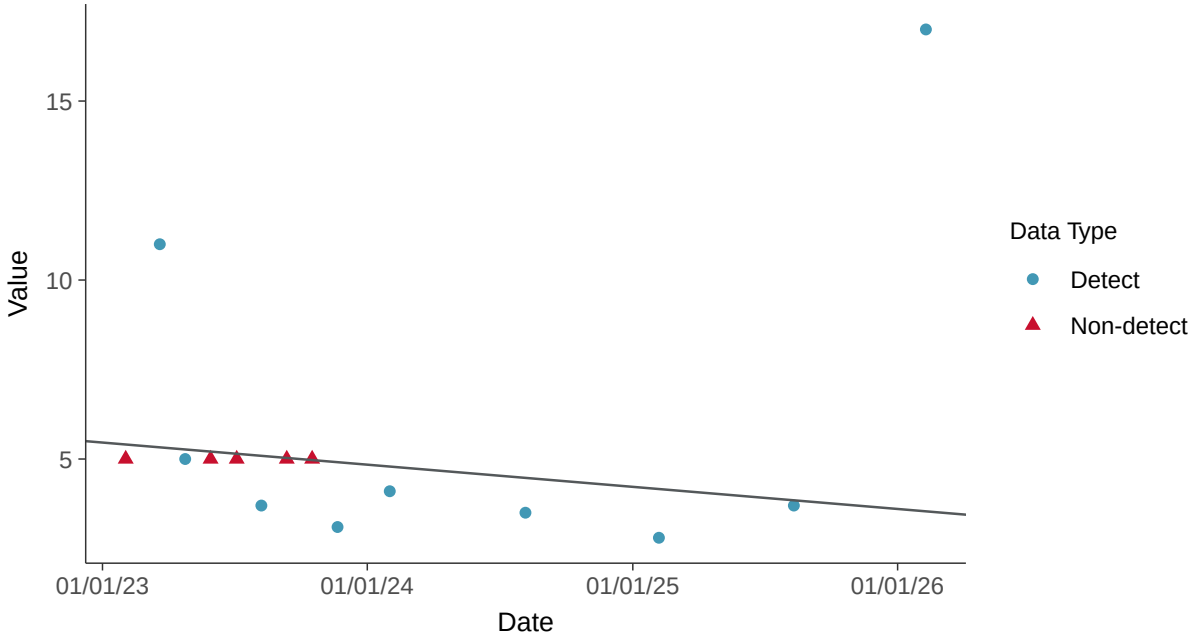
Normal Q-Q plot using ROS Imputed Estimates

Chloride, MW-16B (mg/l)



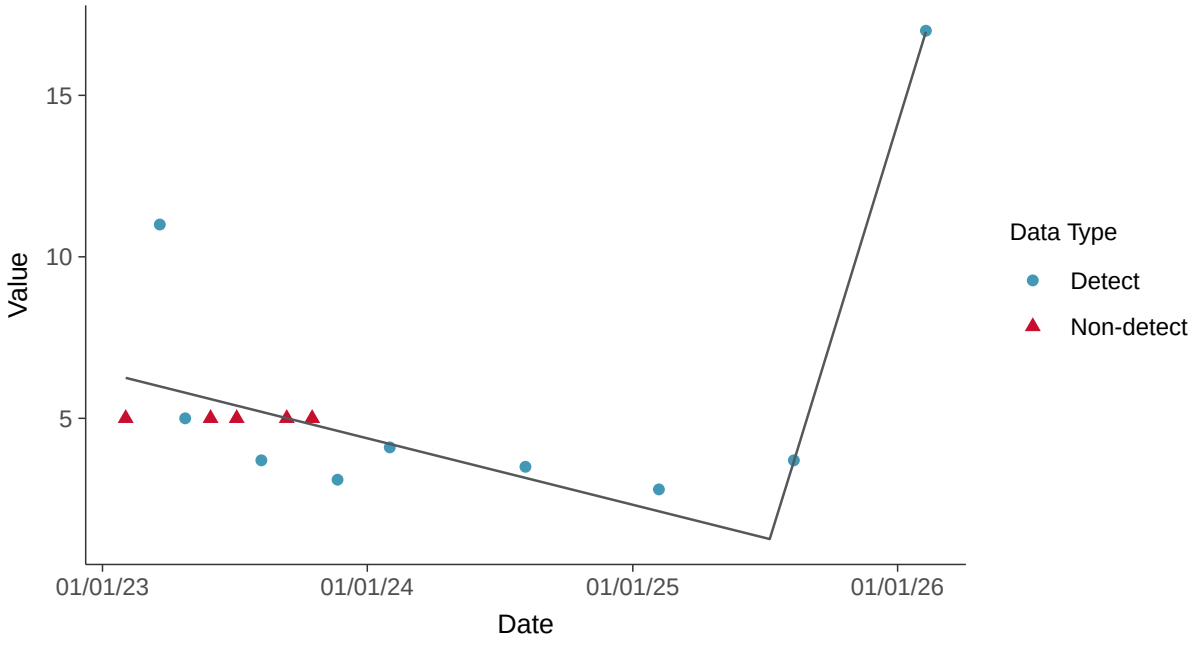
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Chloride, MW-16B (mg/l)



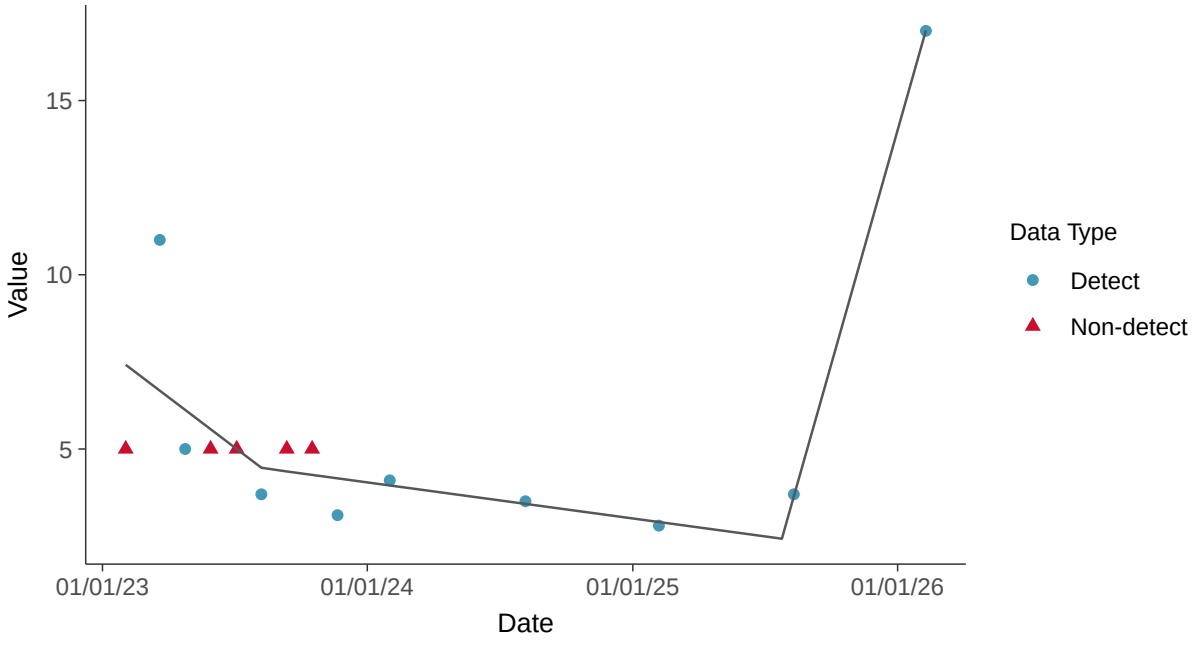
Trend Regression: Piecewise Linear-Linear

Chloride, MW-16B (mg/l)



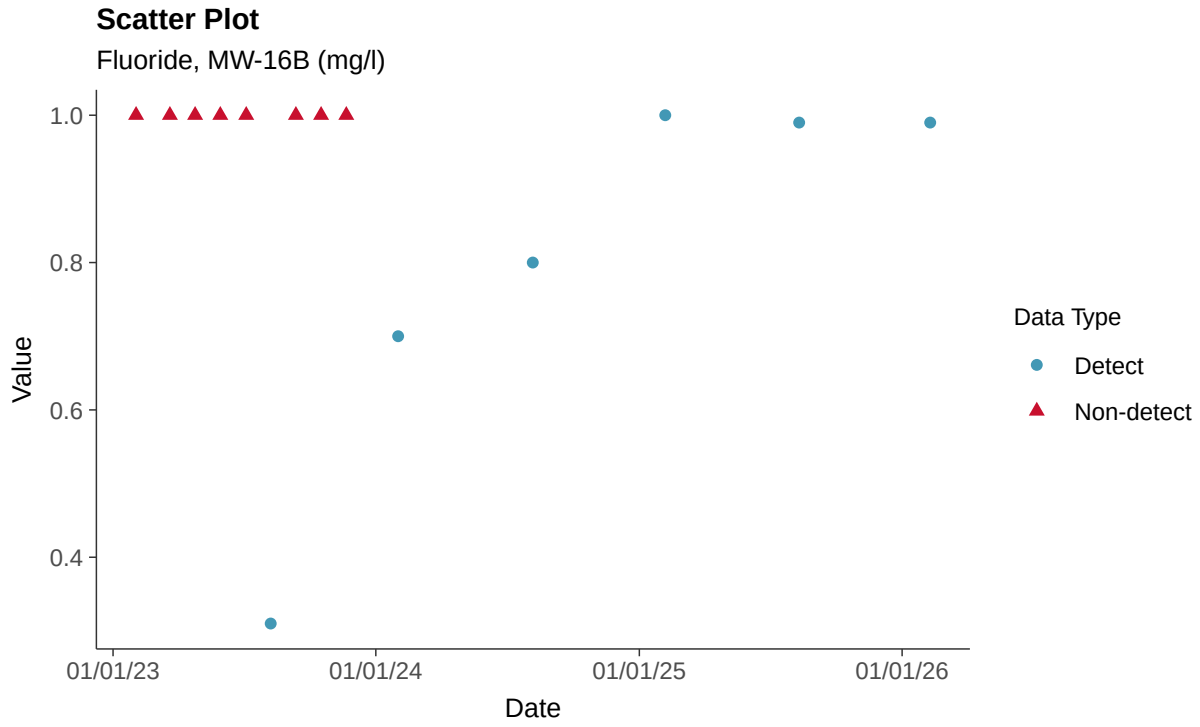
Trend Regression: Piecewise Linear-Linear-Linear

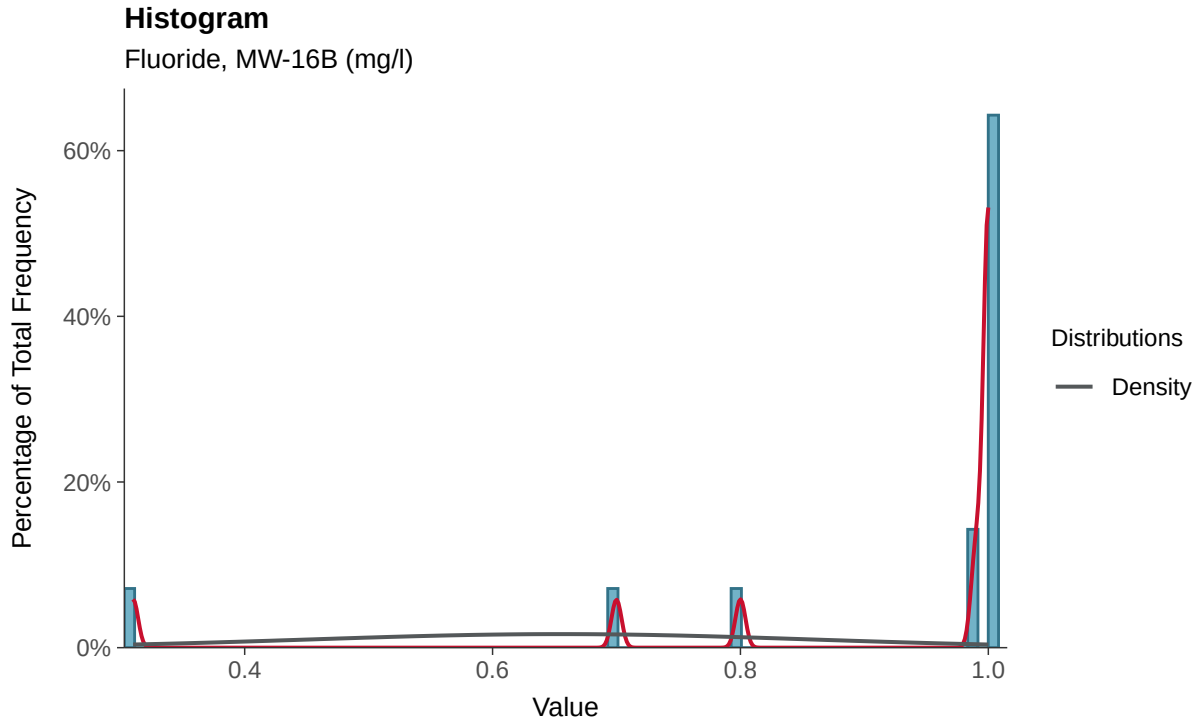
Chloride, MW-16B (mg/l)



Appendix III: Fluoride, MW-16B

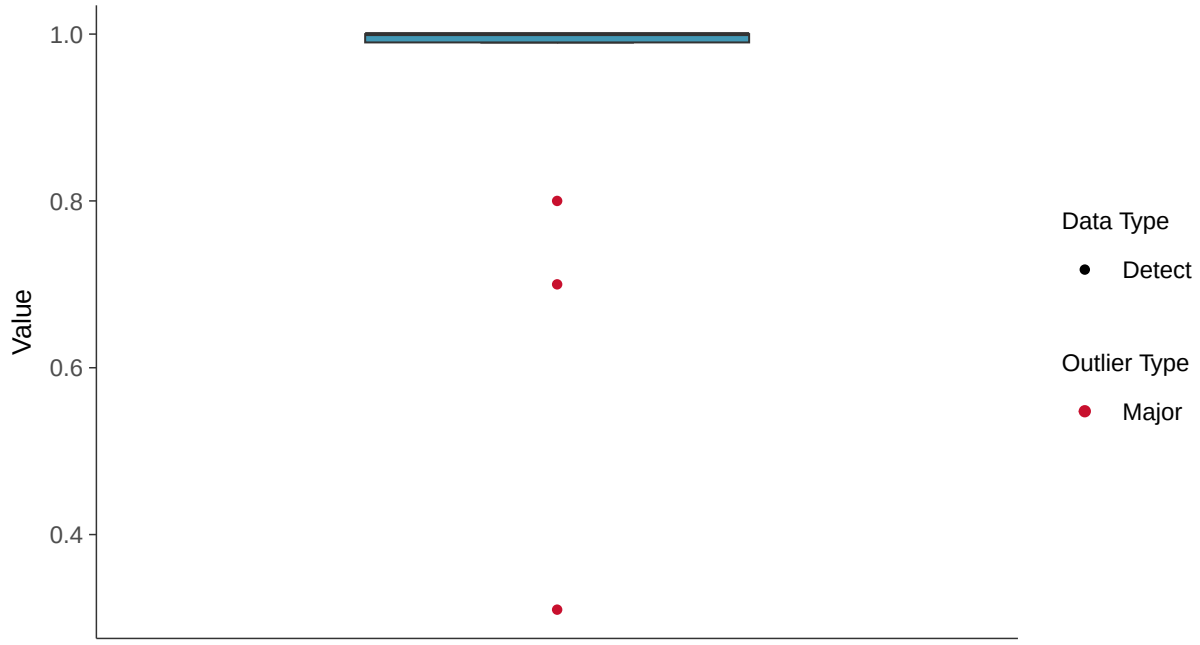
ID: 24_2_112





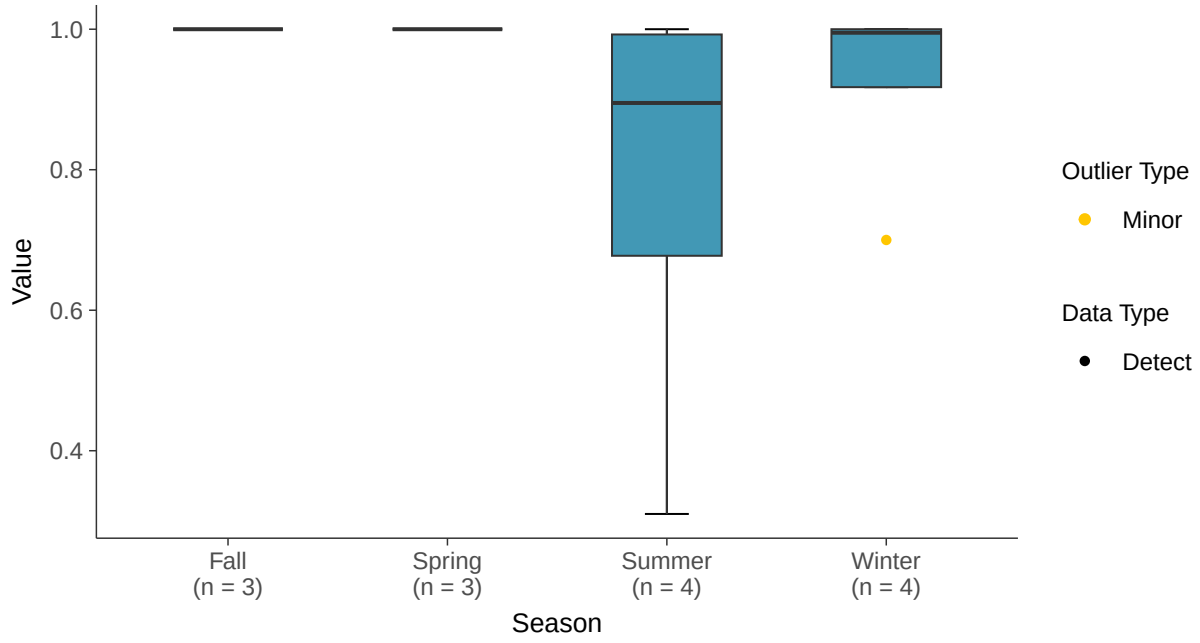
Boxplot

Fluoride, MW-16B (mg/l)



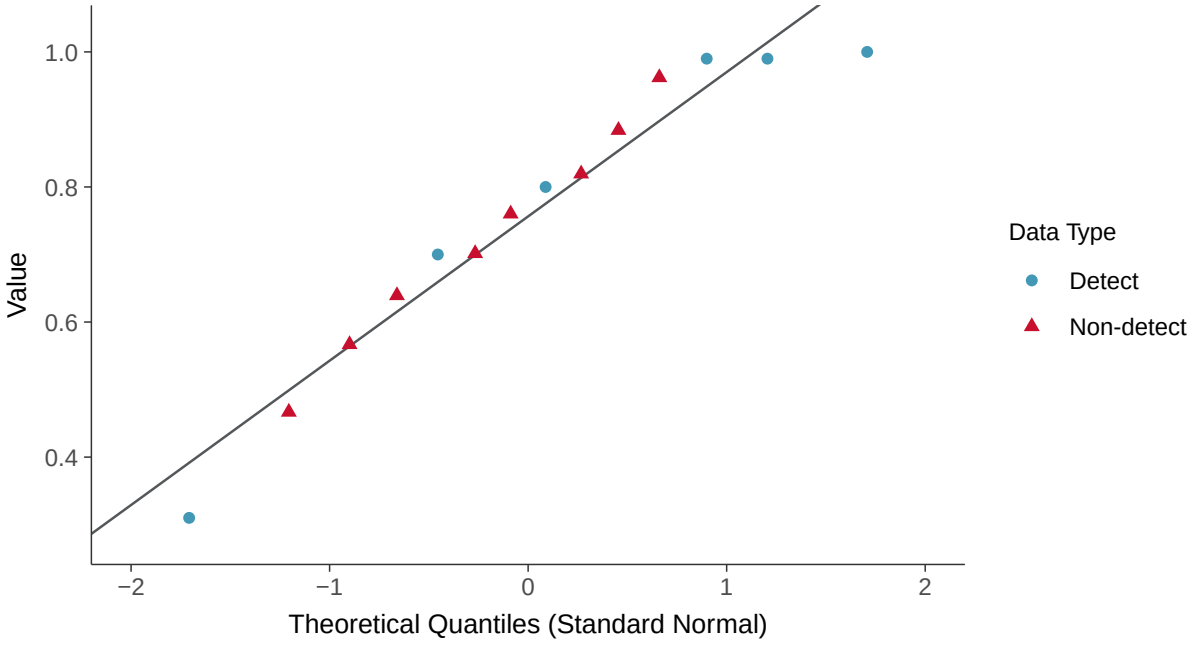
Boxplot by Season

Fluoride, MW-16B (mg/l)



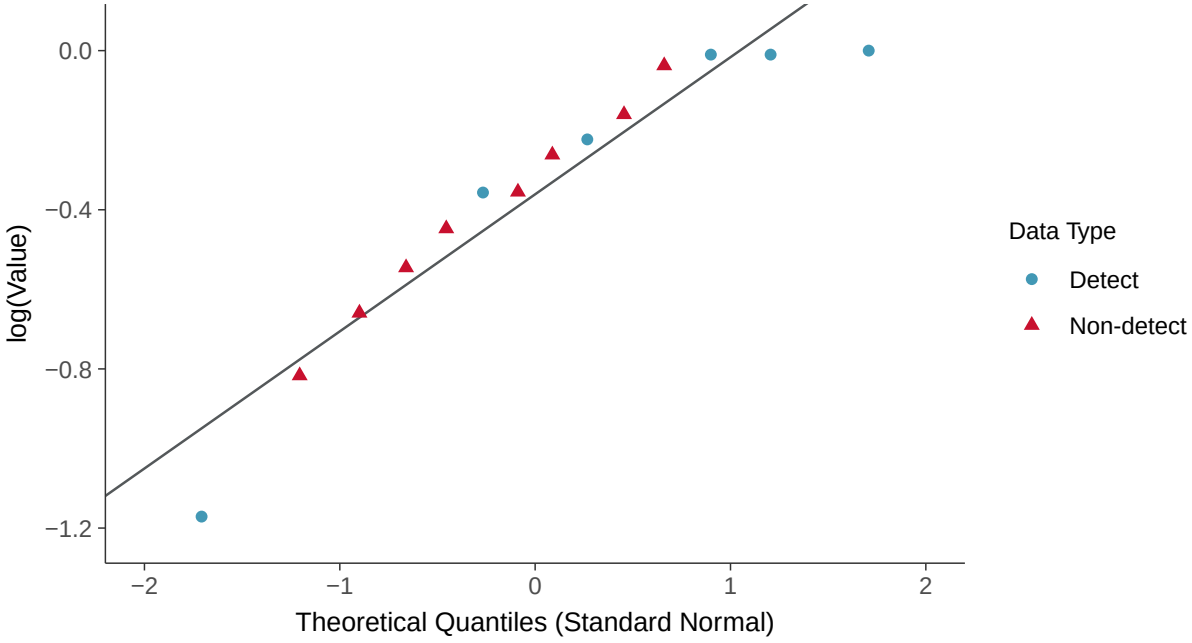
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-16B (mg/l)



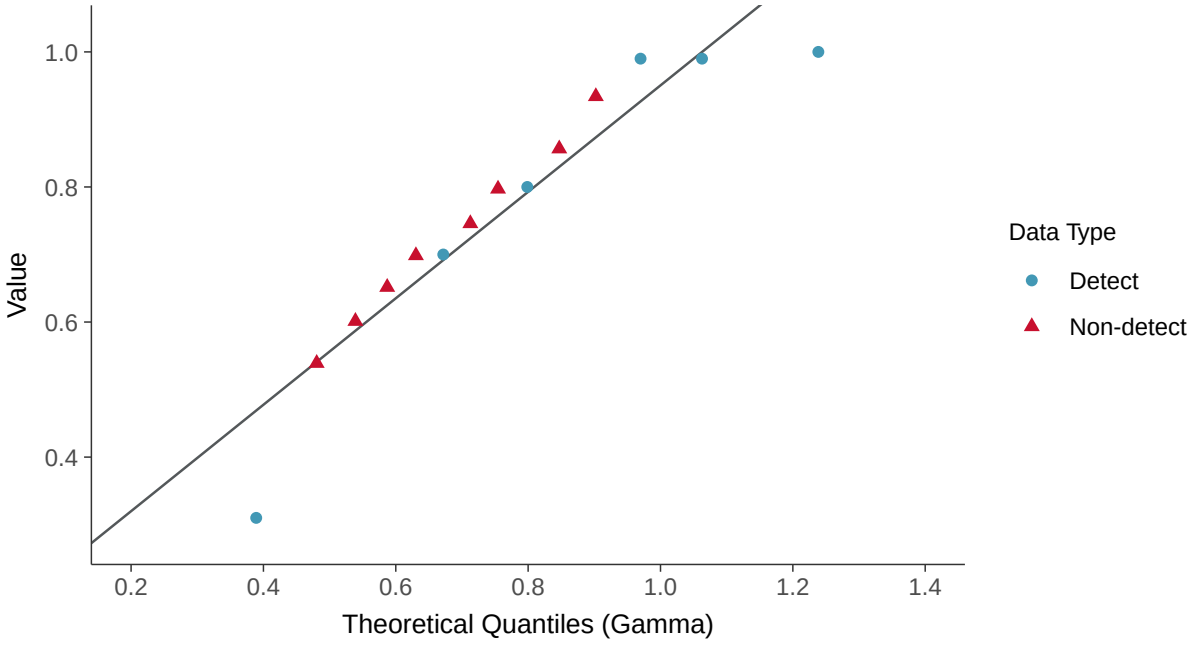
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-16B (mg/l)



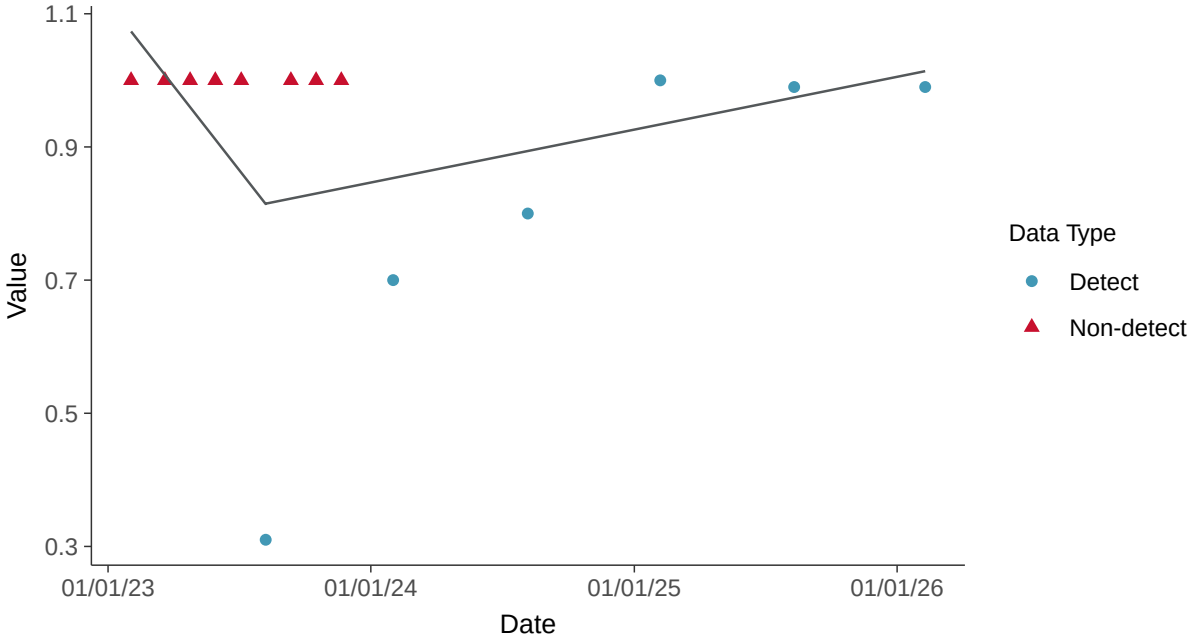
Gamma Q-Q plot using ROS Imputed Estimates

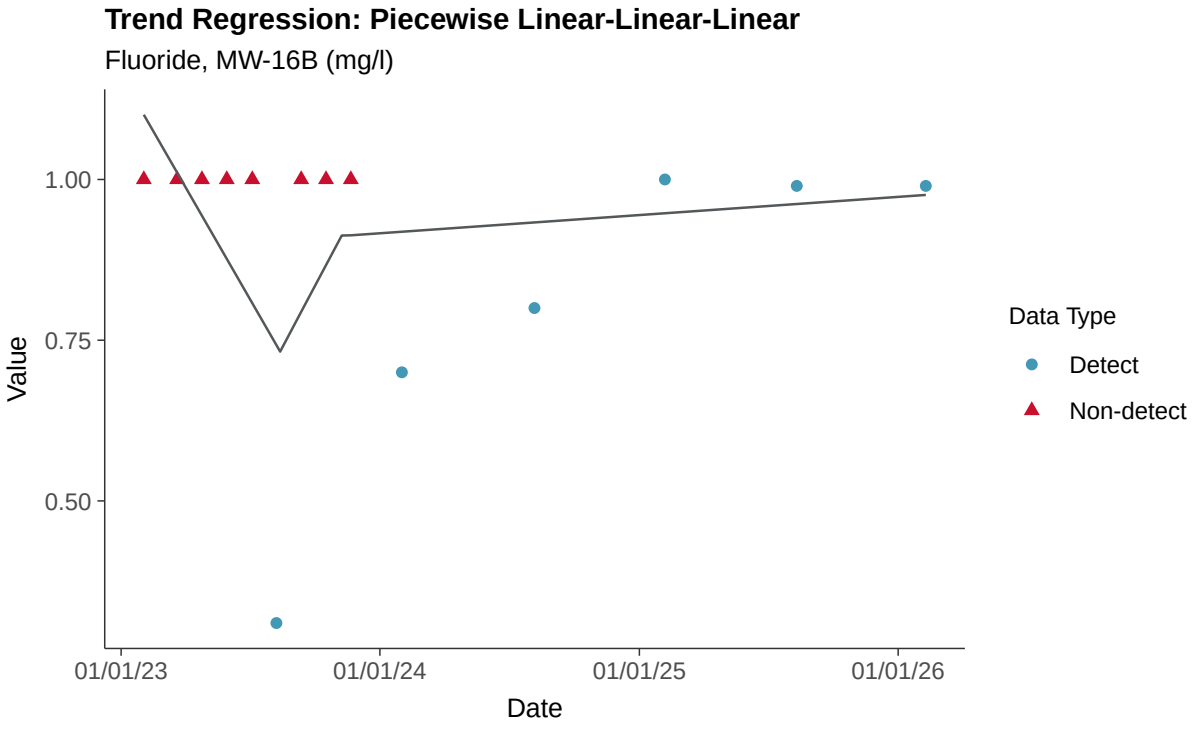
Fluoride, MW-16B (mg/l)



Trend Regression: Piecewise Linear-Linear

Fluoride, MW-16B (mg/l)



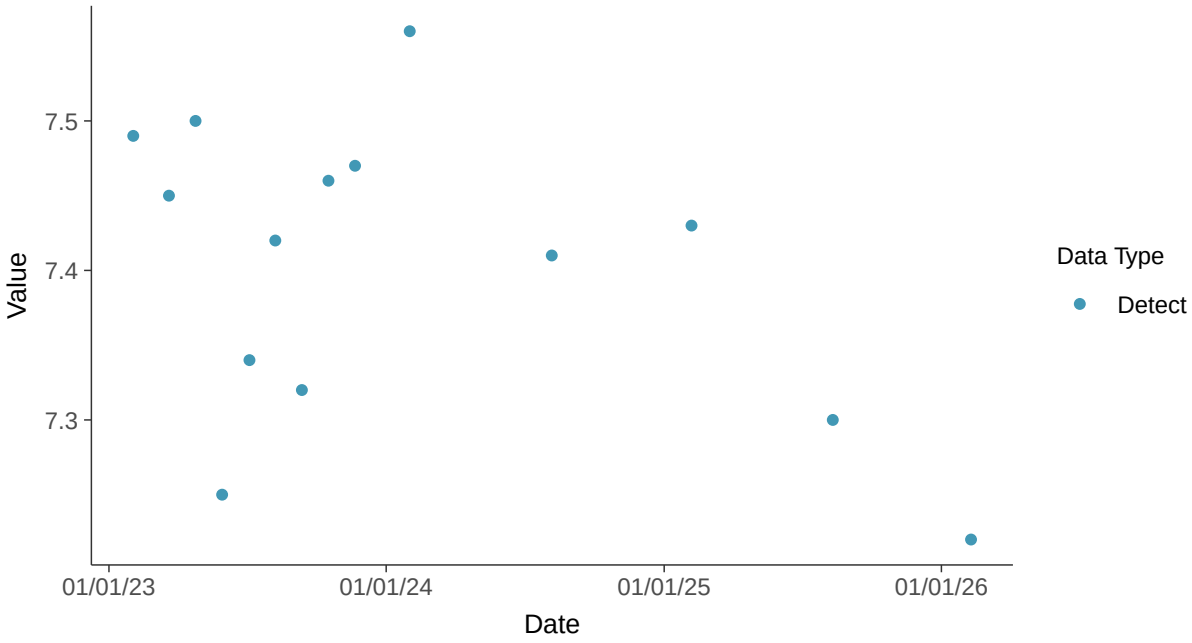

Trend Regression: Piecewise Linear-Linear-Linear
Fluoride, MW-16B (mg/l)
Value
1.00
0.75
0.50
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: pH, Field, MW-16B

ID: 24_2_120

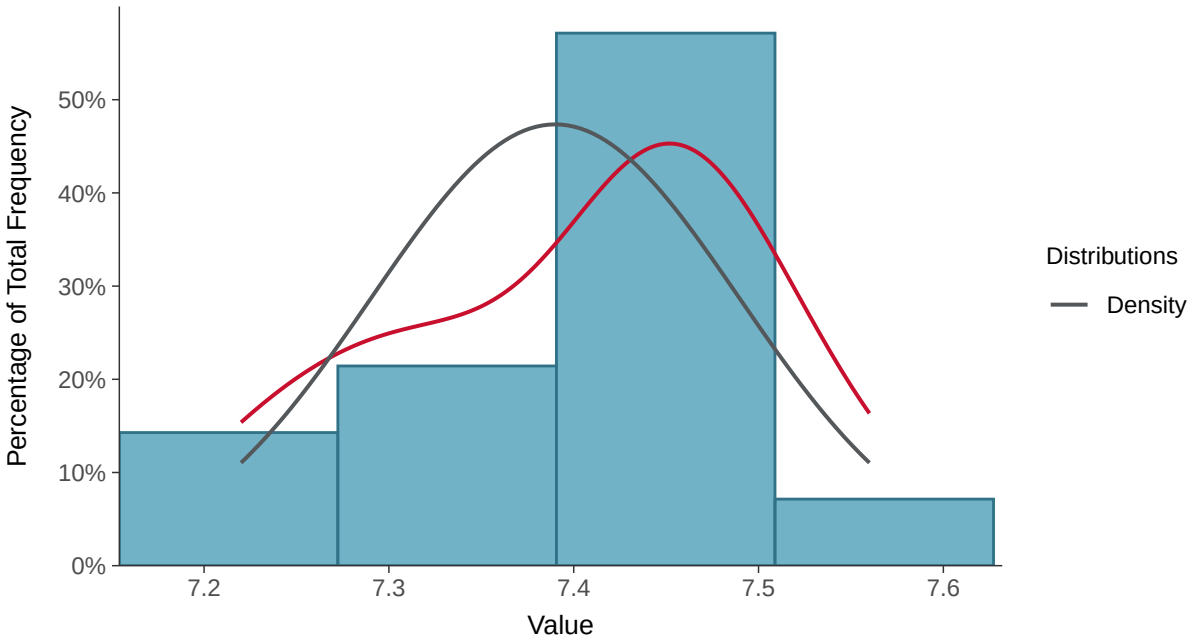
Scatter Plot

pH, Field, MW-16B (su)



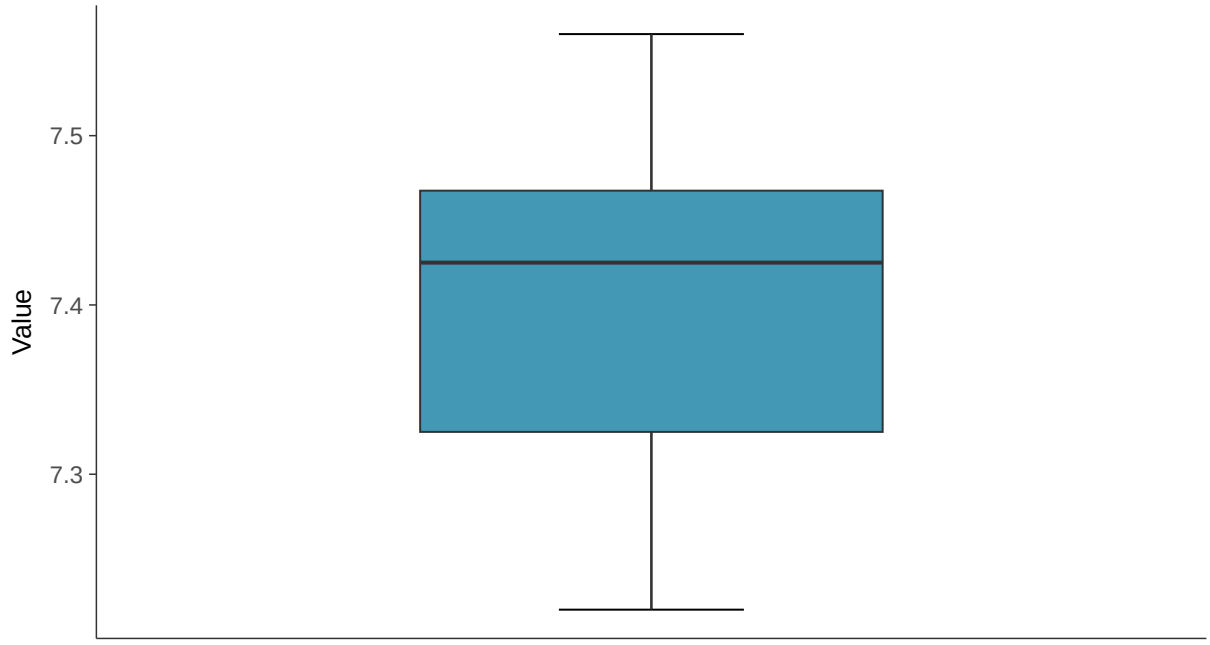
Histogram

pH, Field, MW-16B (su)



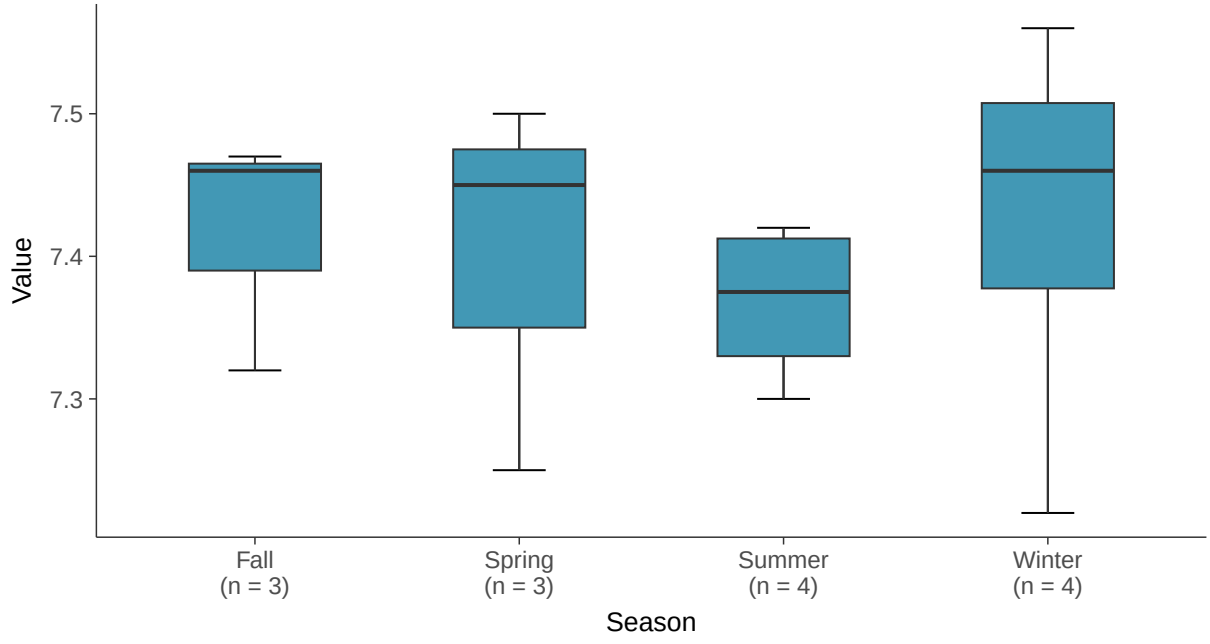
Boxplot

pH, Field, MW-16B (su)



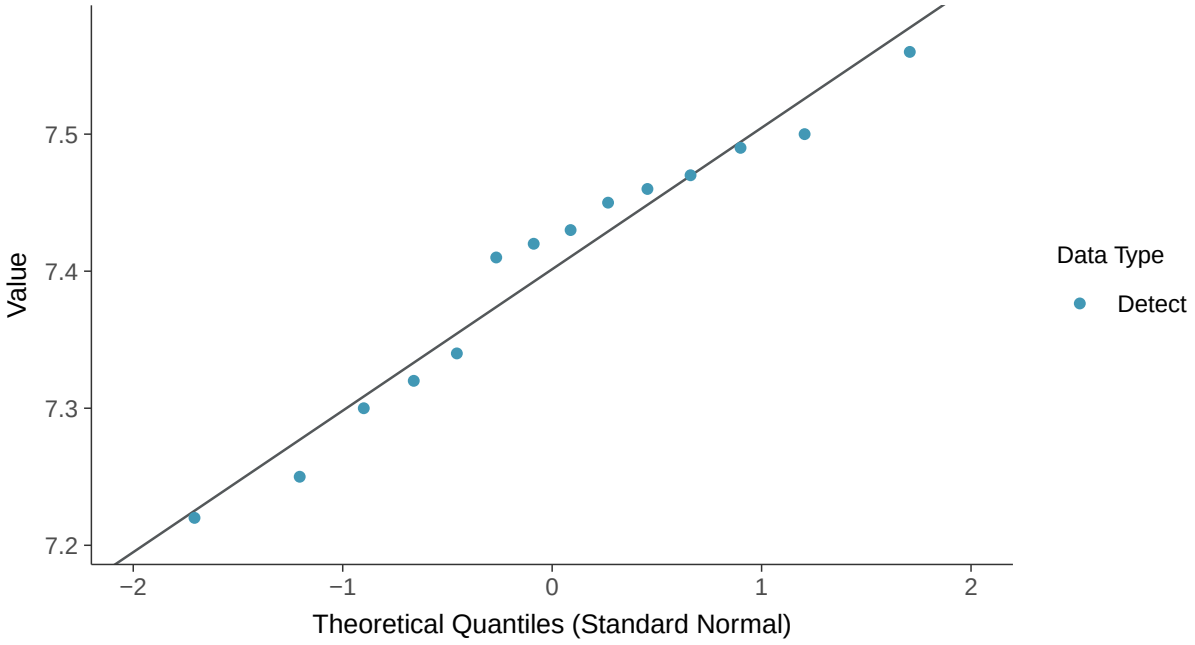
Boxplot by Season

pH, Field, MW-16B (su)



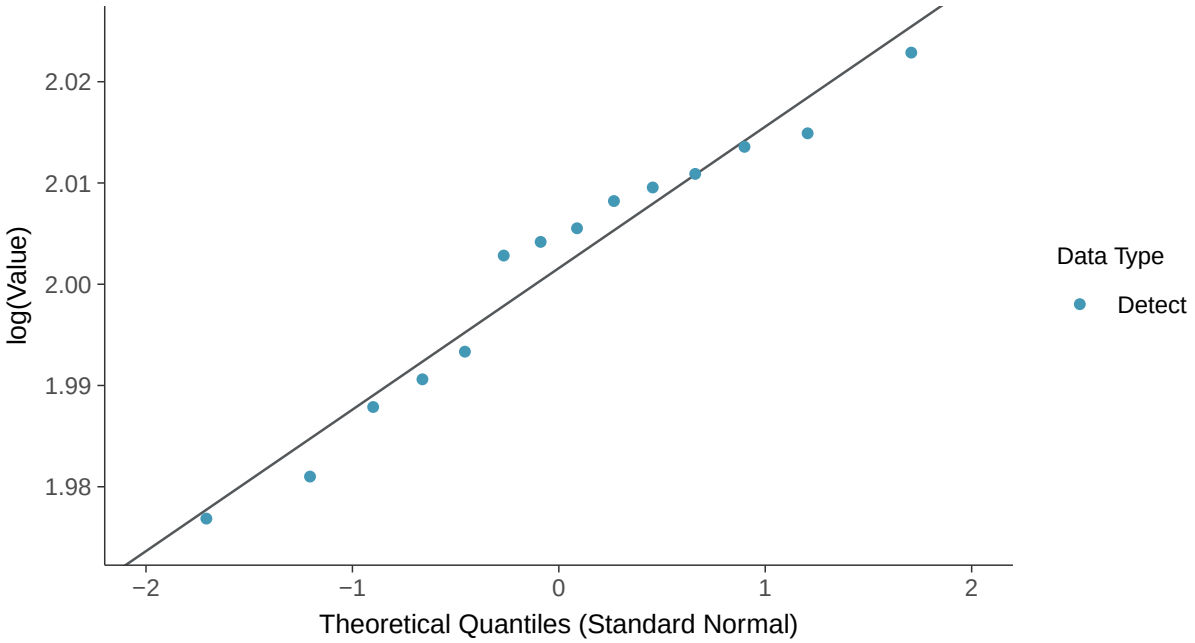
Normal Q-Q plot

pH, Field, MW-16B (su)



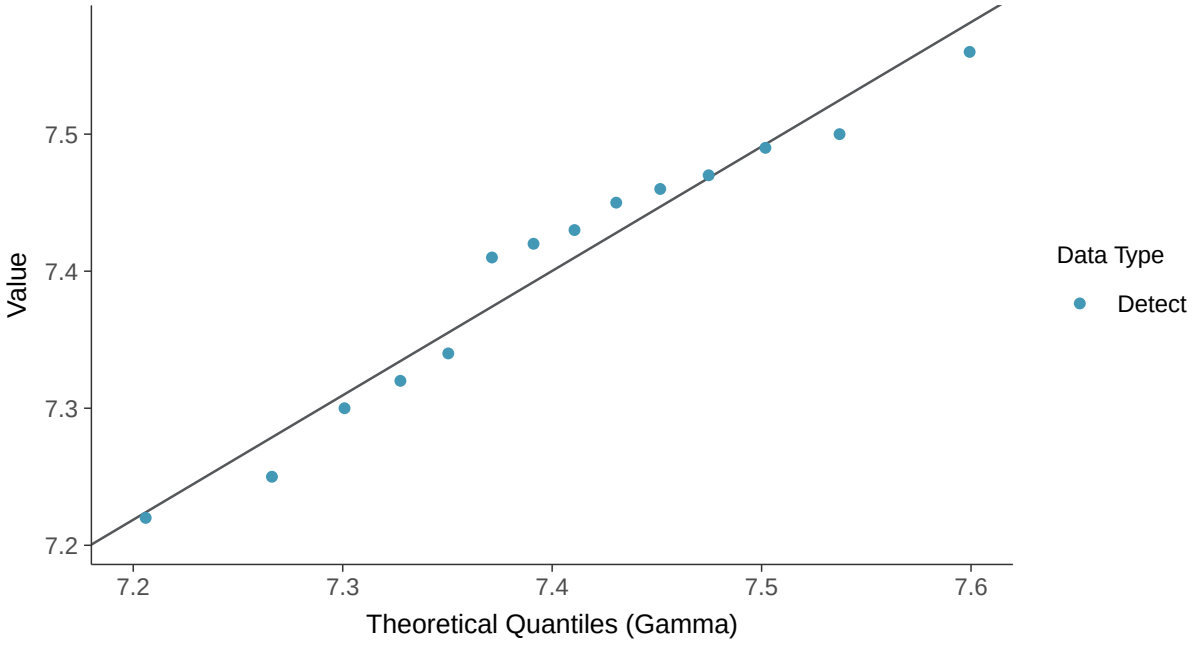
Lognormal Q-Q plot

pH, Field, MW-16B (su)



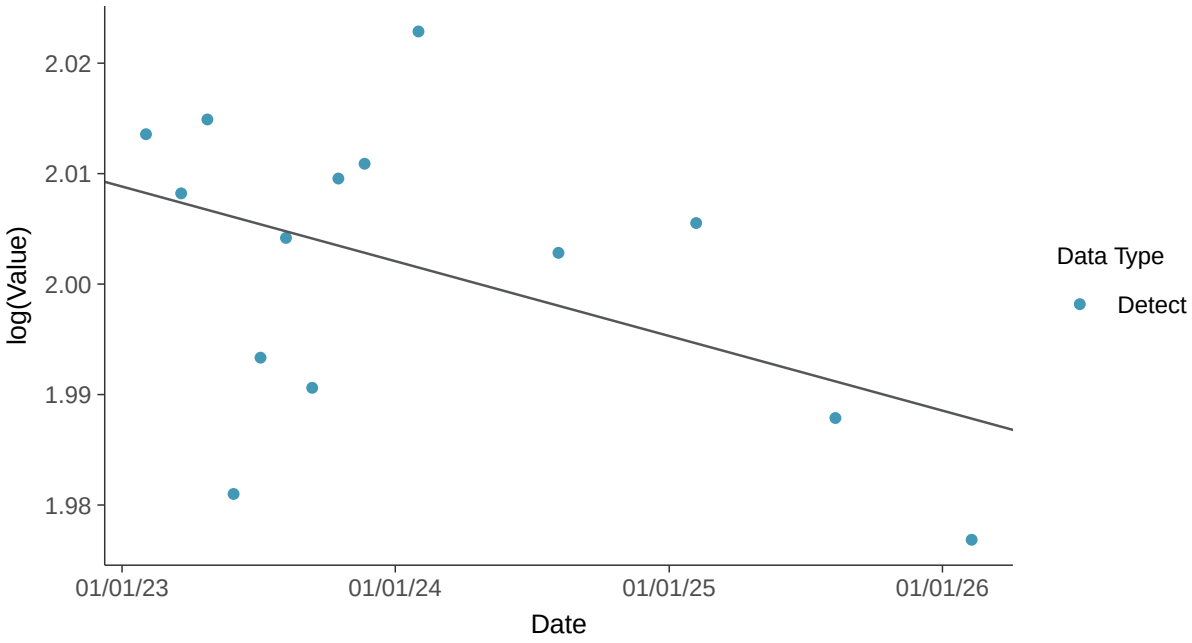
Gamma Q-Q plot

pH, Field, MW-16B (su)



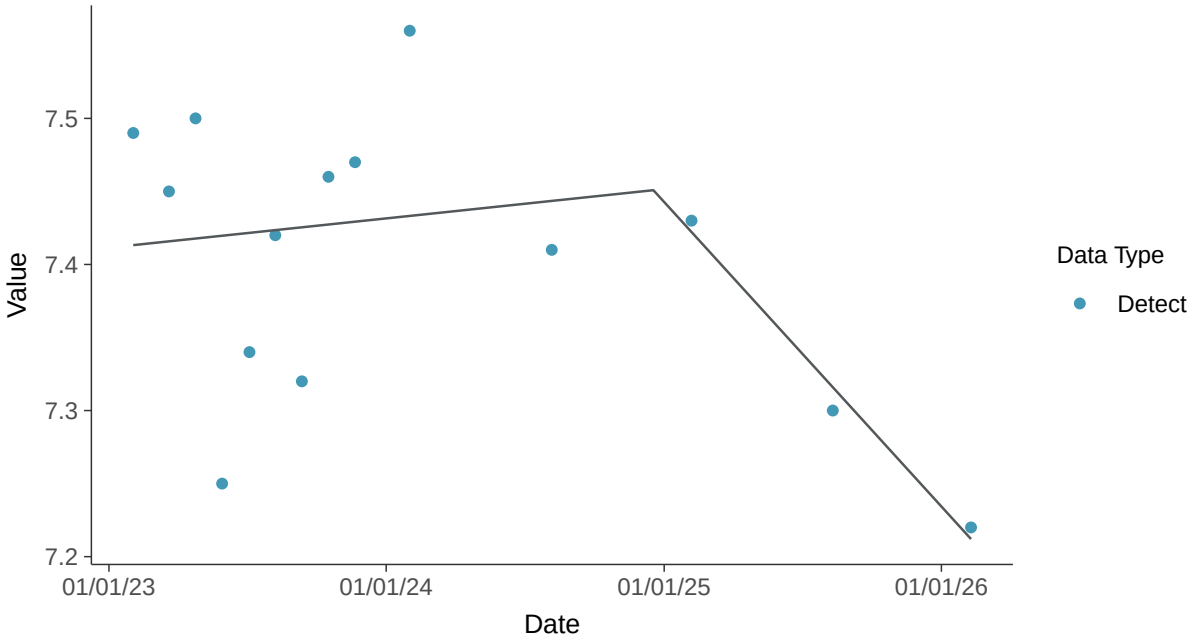
Trend Regression: Lognormal MLE

pH, Field, MW-16B (su)



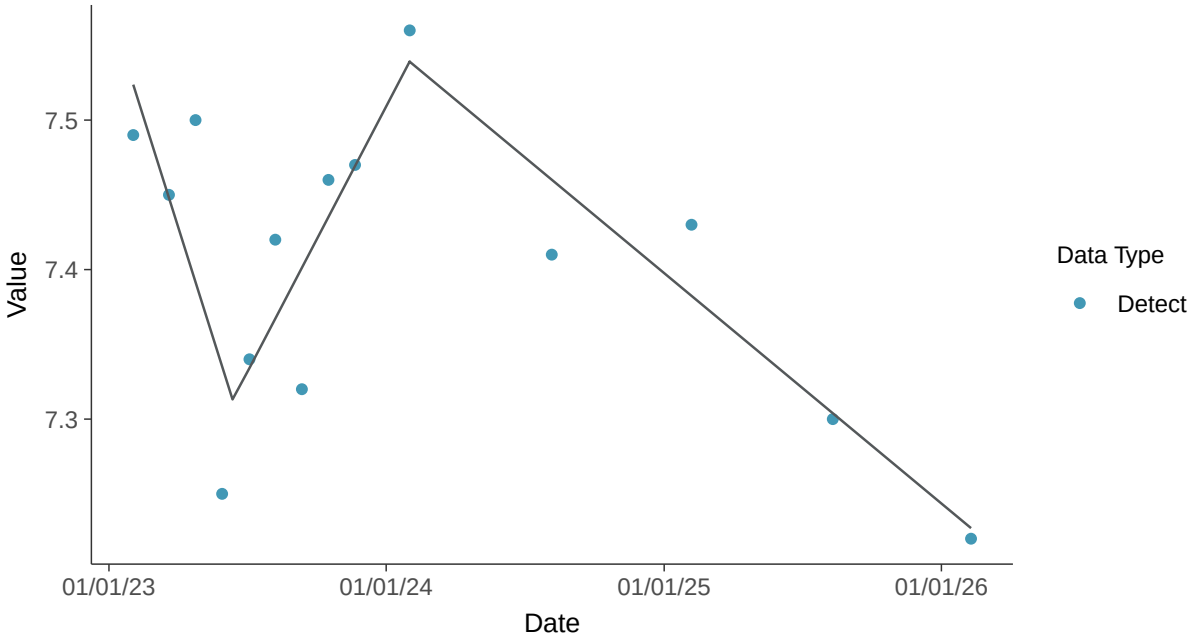
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-16B (su)



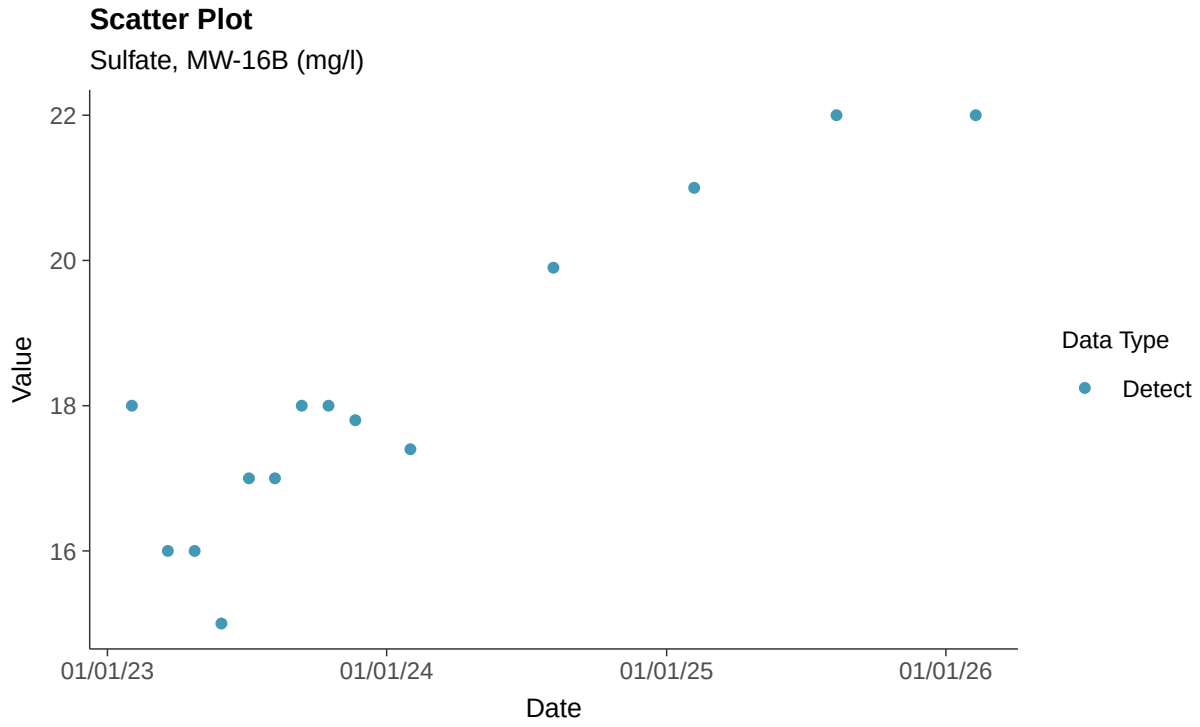
Trend Regression: Piecewise Linear-Linear-Linear

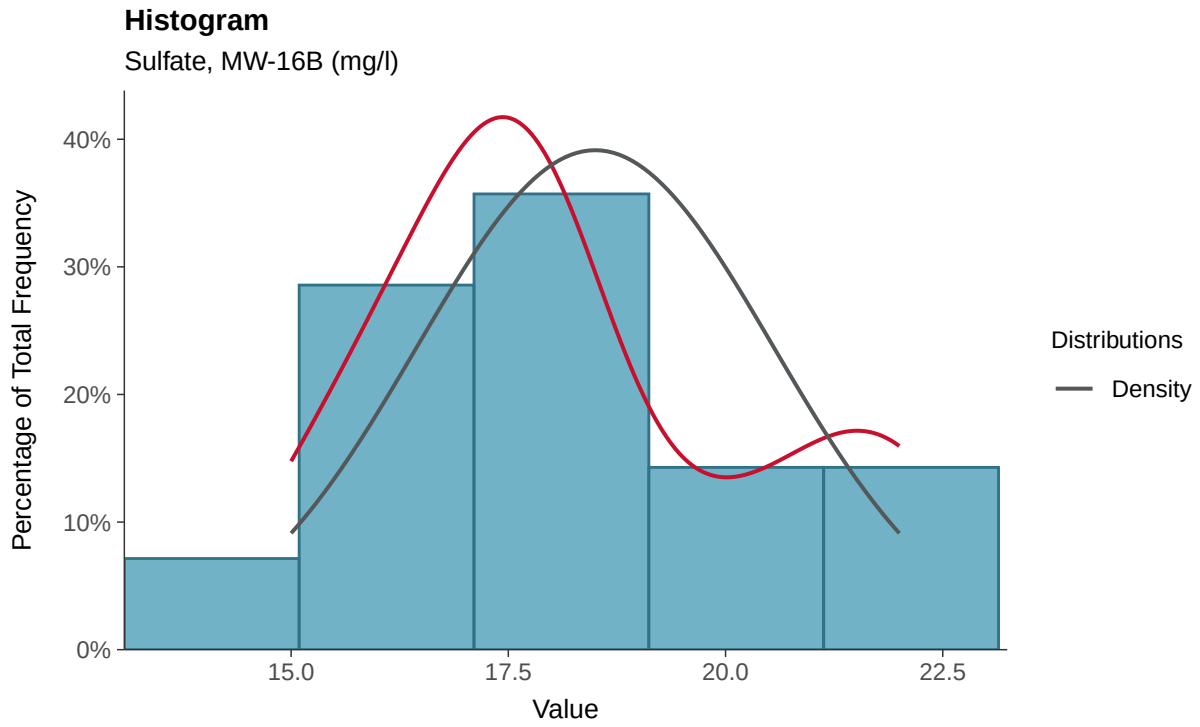
pH, Field, MW-16B (su)



Appendix III: Sulfate, MW-16B

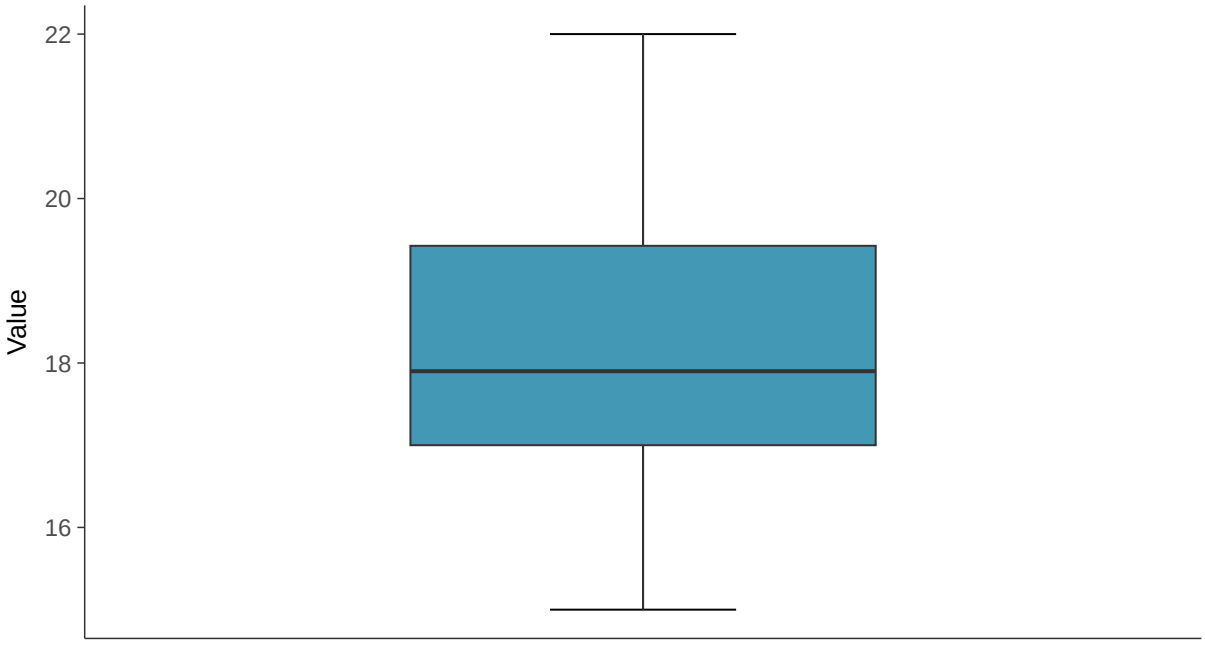
ID: 24_2_124





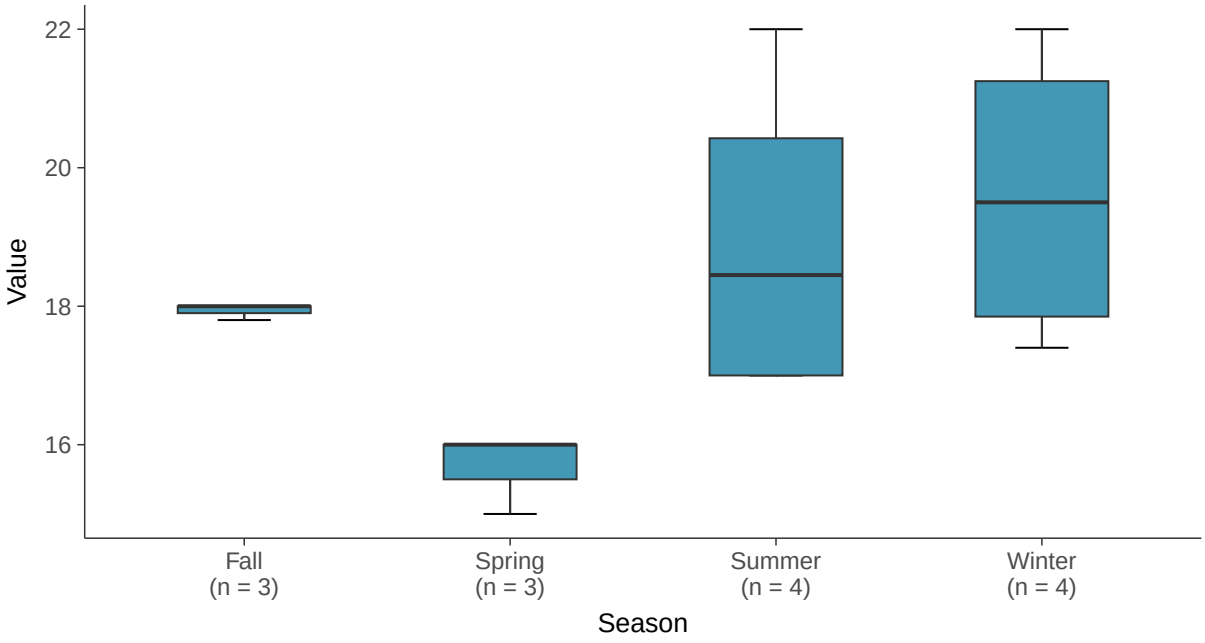
Boxplot

Sulfate, MW-16B (mg/l)



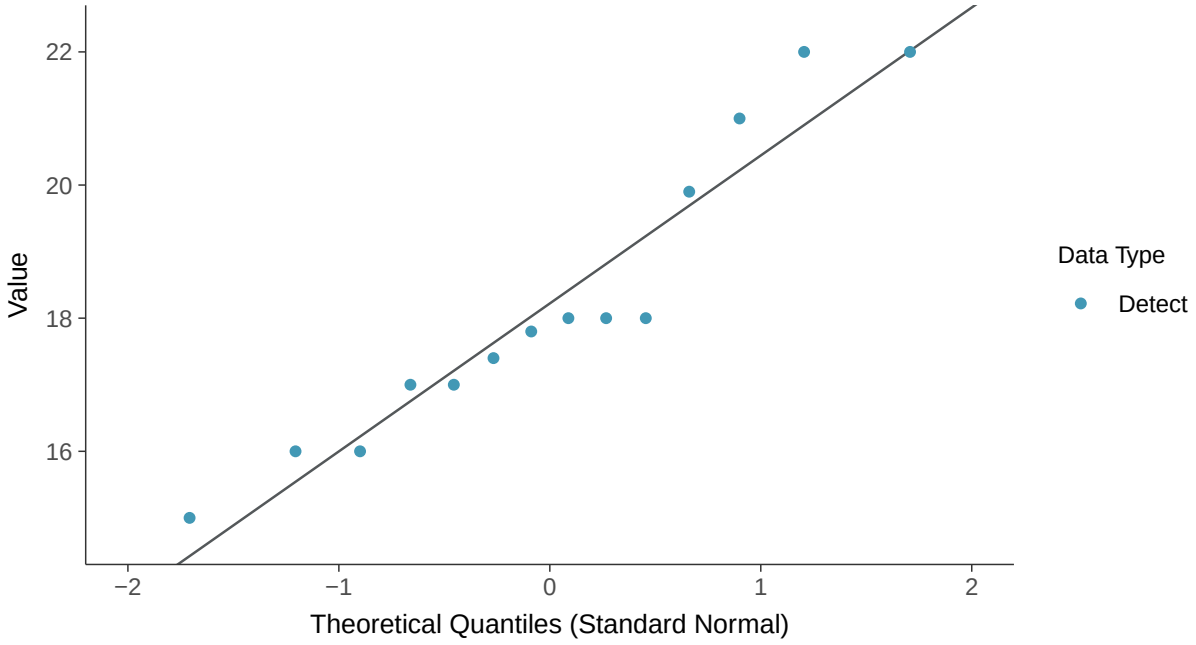
Boxplot by Season

Sulfate, MW-16B (mg/l)



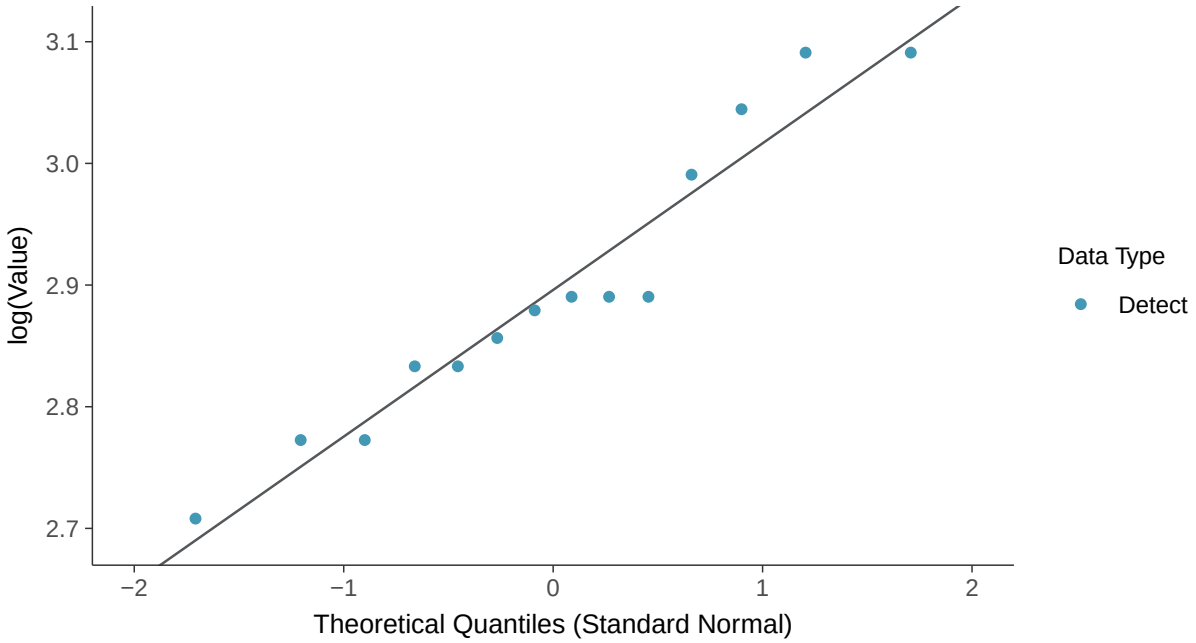
Normal Q-Q plot

Sulfate, MW-16B (mg/l)



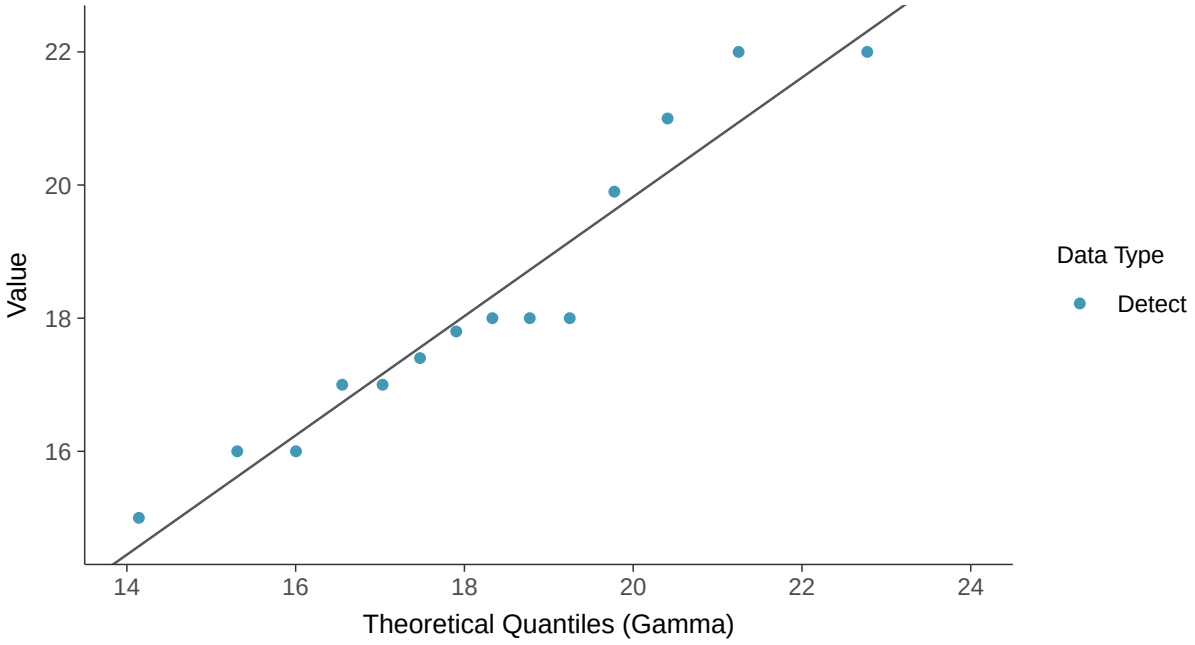
Lognormal Q-Q plot

Sulfate, MW-16B (mg/l)



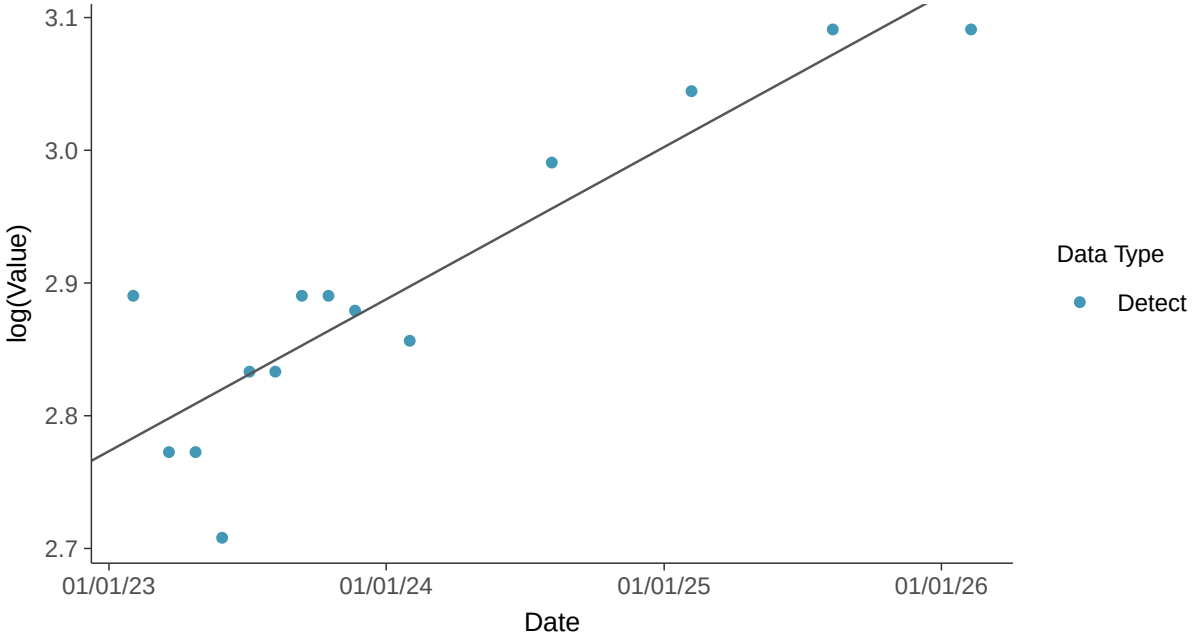
Gamma Q-Q plot

Sulfate, MW-16B (mg/l)



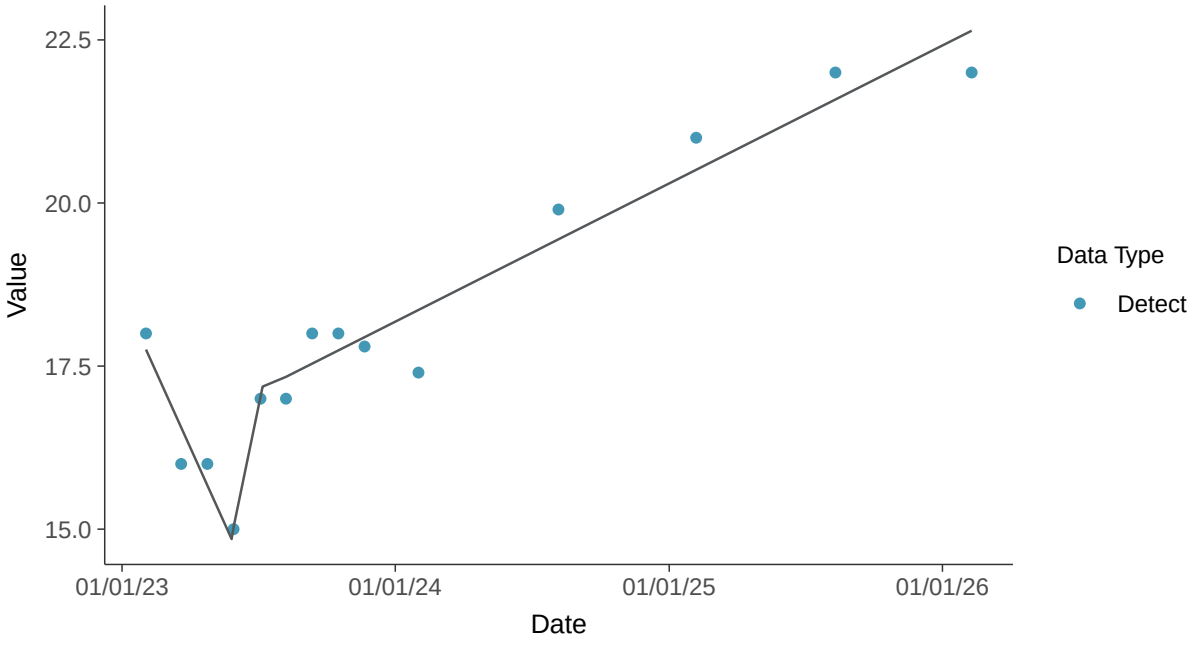
Trend Regression: Lognormal MLE

Sulfate, MW-16B (mg/l)



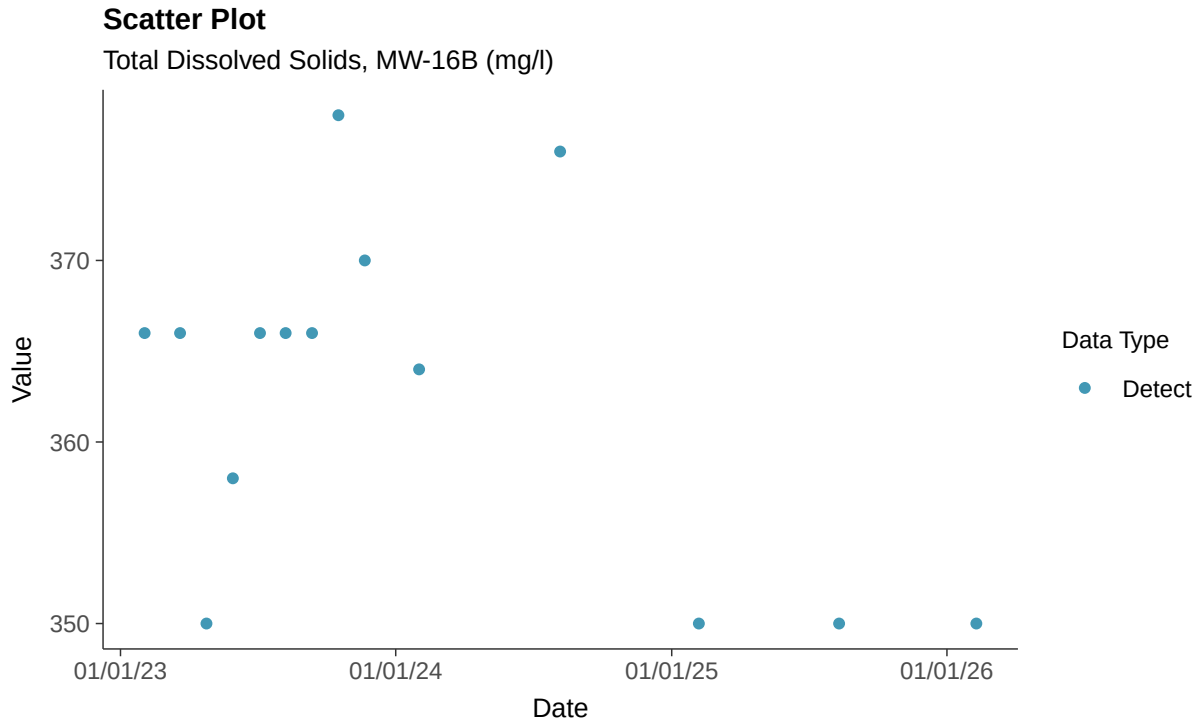
Trend Regression: Piecewise Linear-Linear-Linear

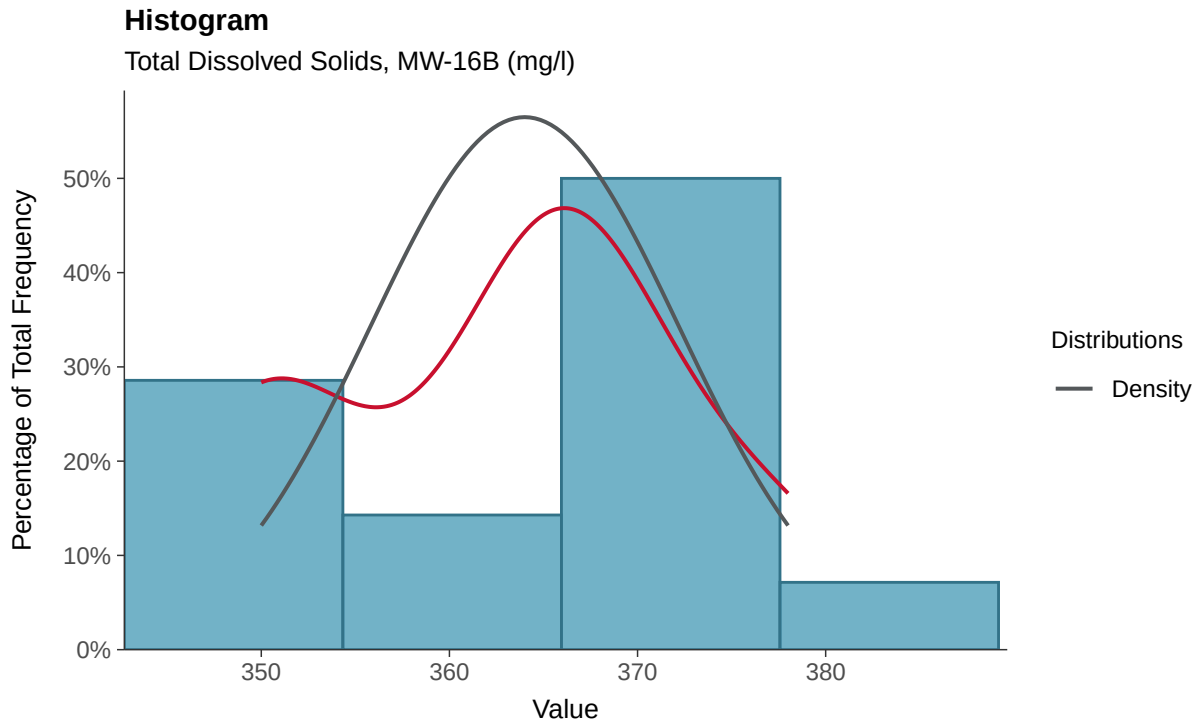
Sulfate, MW-16B (mg/l)



Appendix III: Total Dissolved Solids, MW-16B

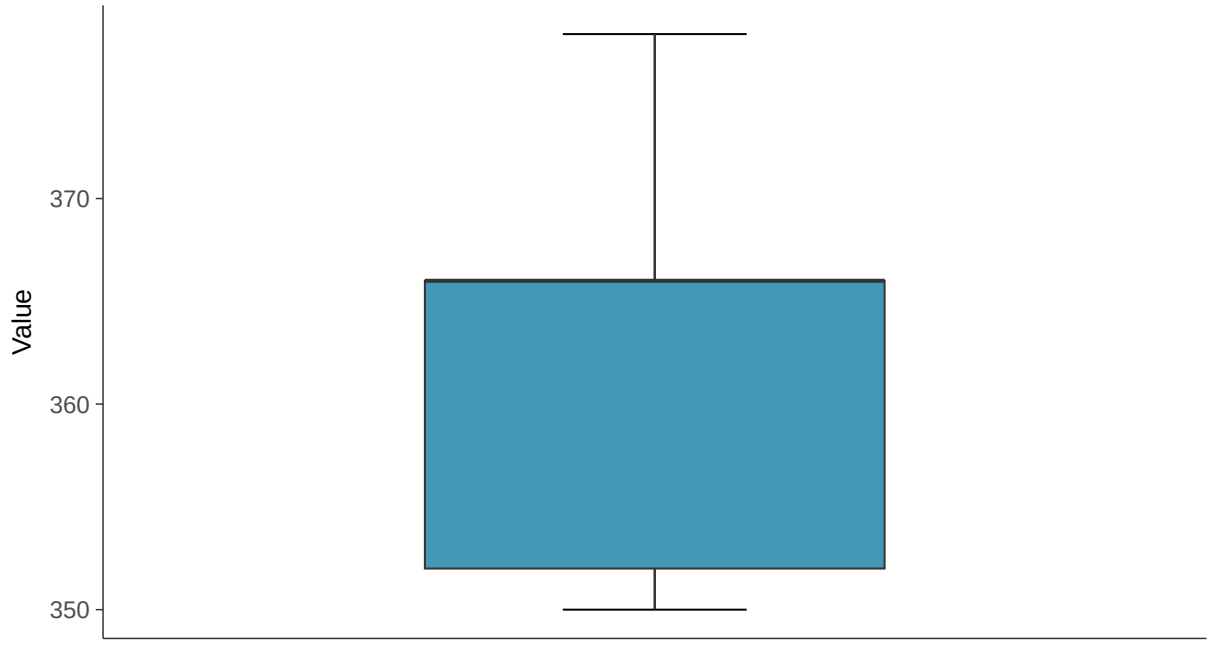
ID: 24_2_126





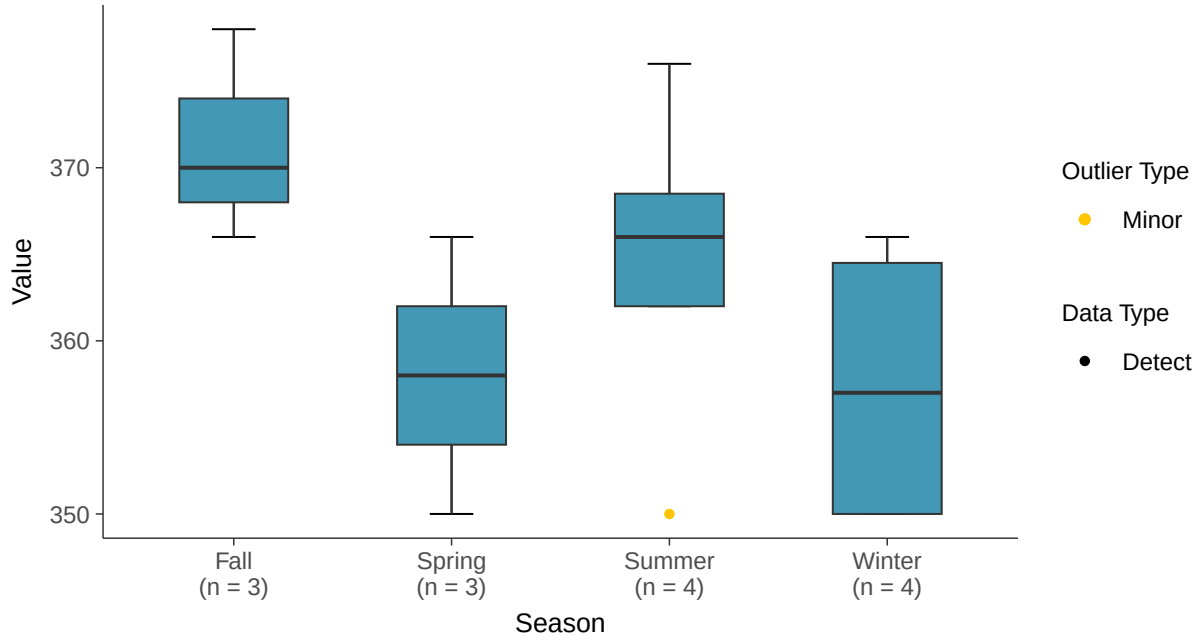
Boxplot

Total Dissolved Solids, MW-16B (mg/l)



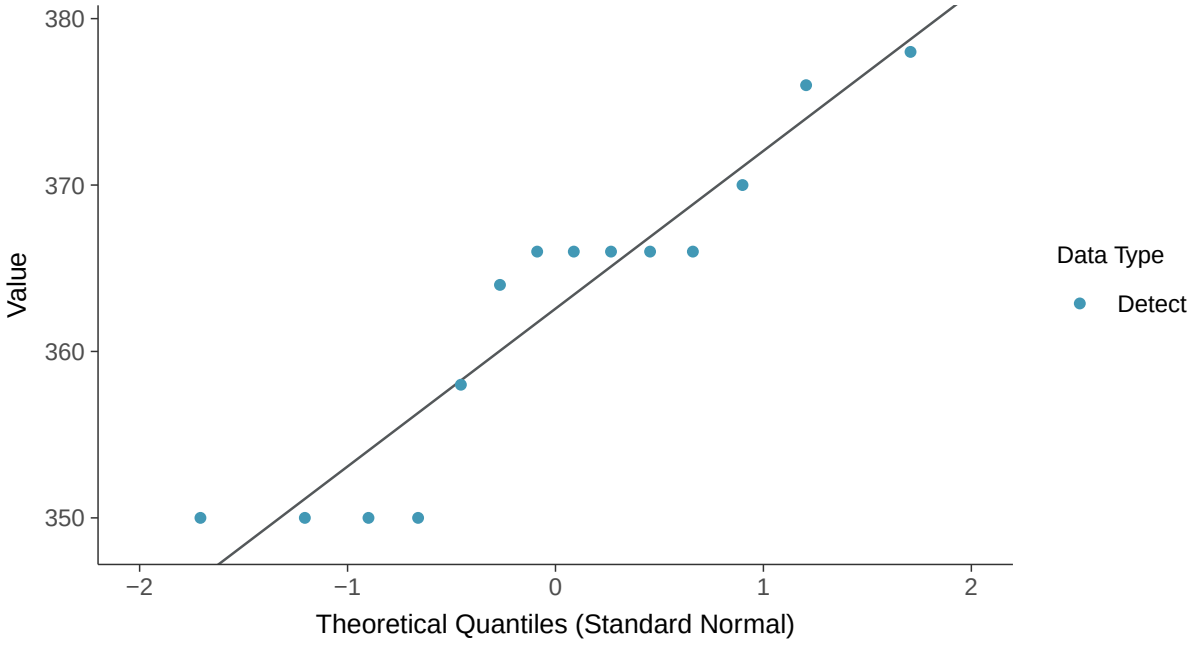
Boxplot by Season

Total Dissolved Solids, MW-16B (mg/l)



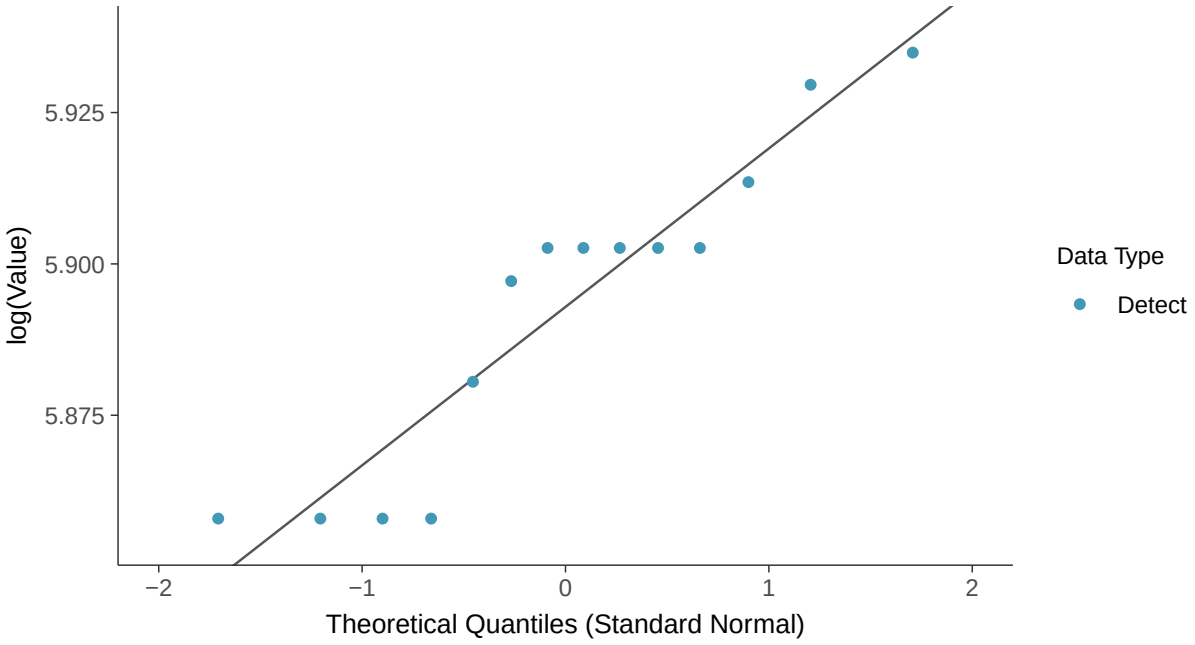
Normal Q-Q plot

Total Dissolved Solids, MW-16B (mg/l)



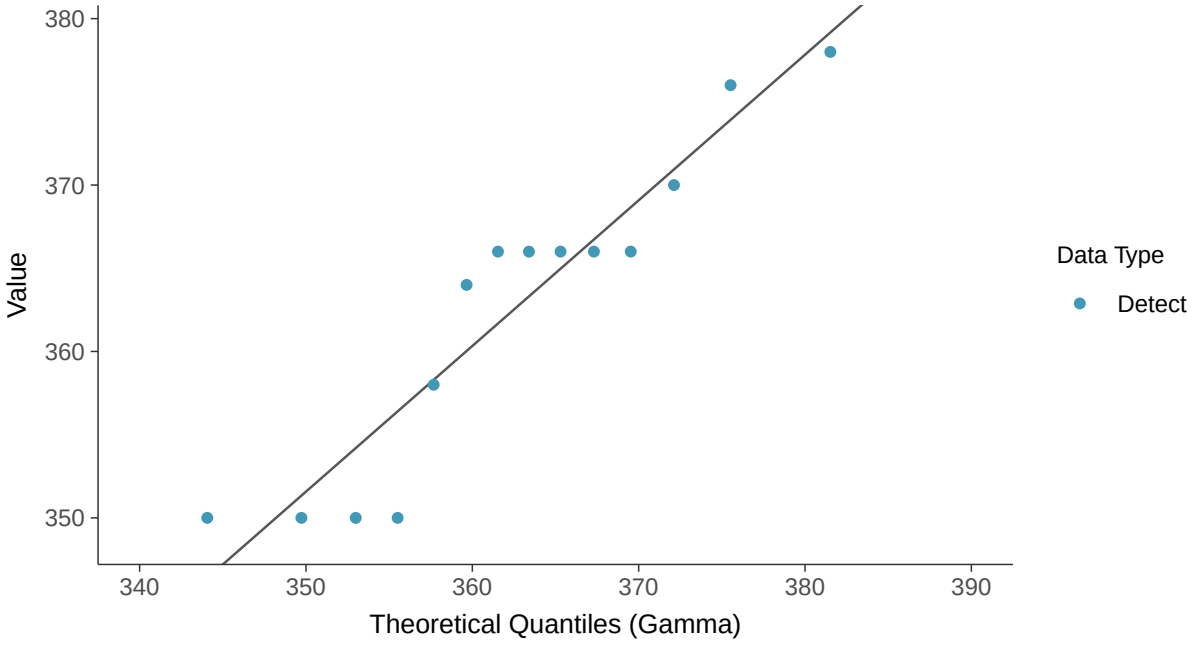
Lognormal Q-Q plot

Total Dissolved Solids, MW-16B (mg/l)



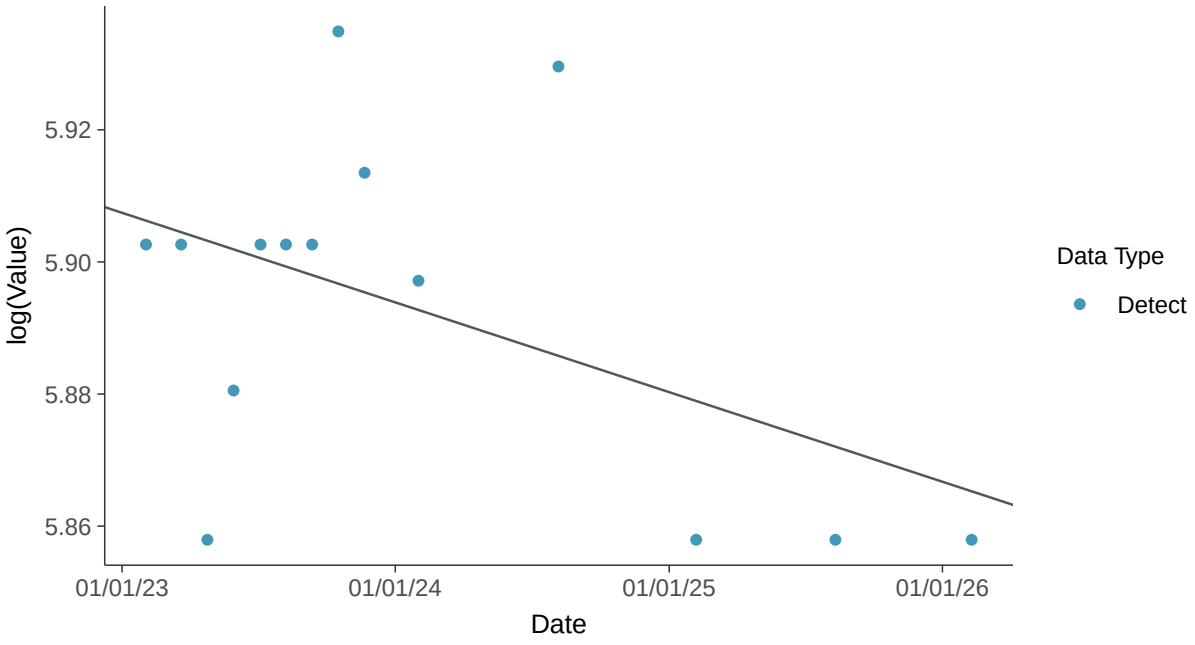
Gamma Q-Q plot

Total Dissolved Solids, MW-16B (mg/l)



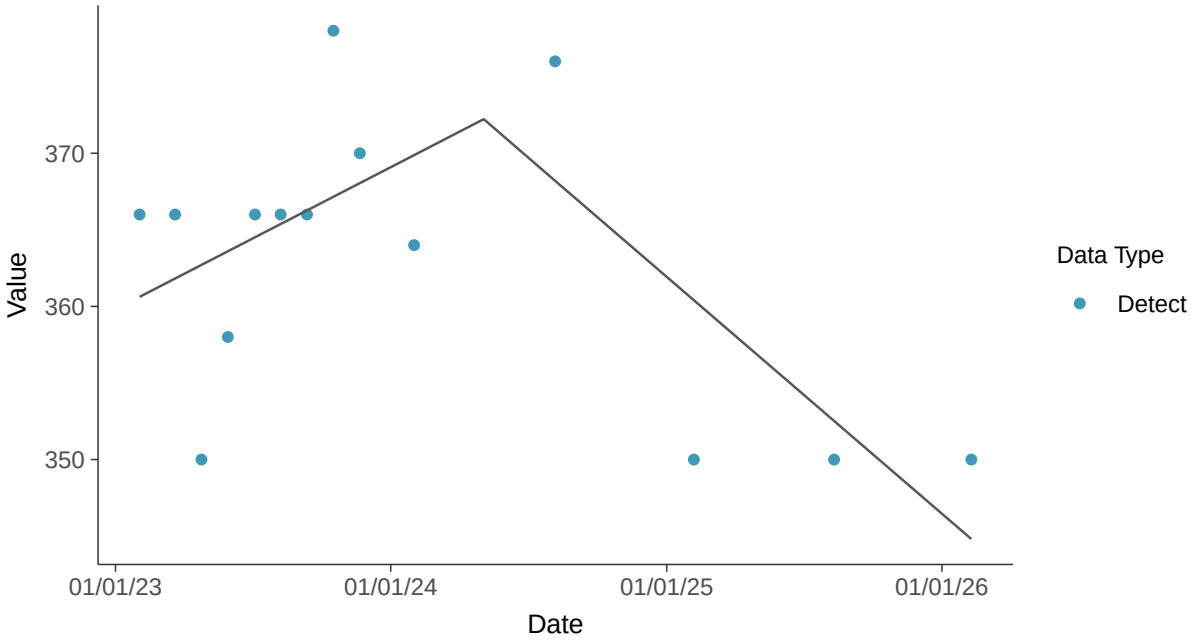
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-16B (mg/l)



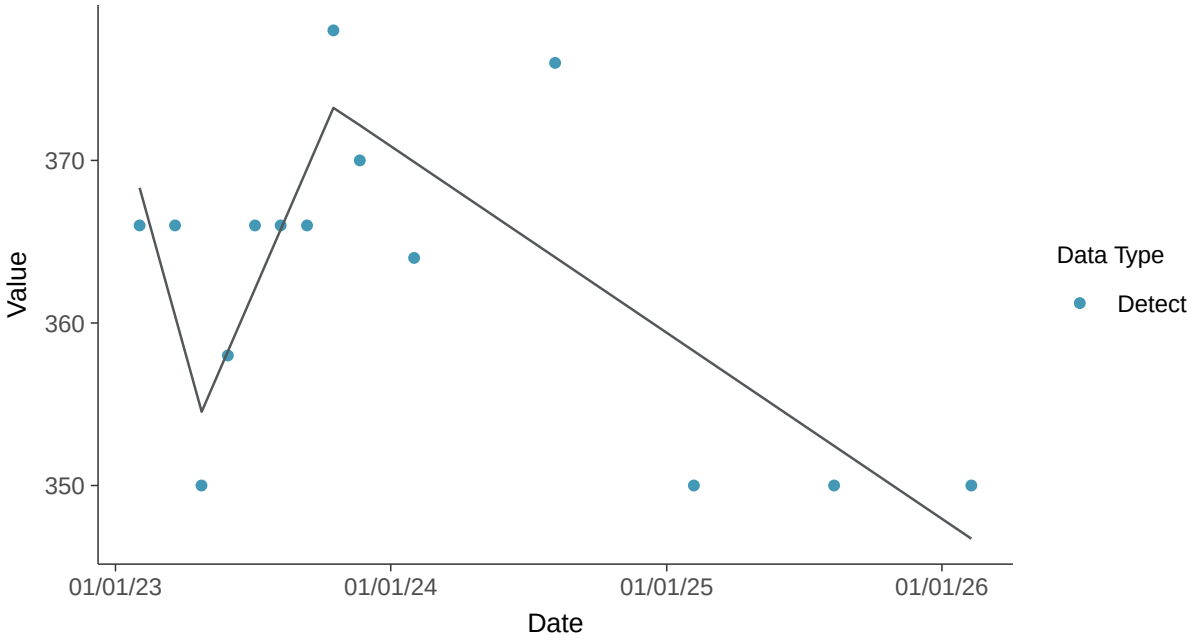
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-16B (mg/l)



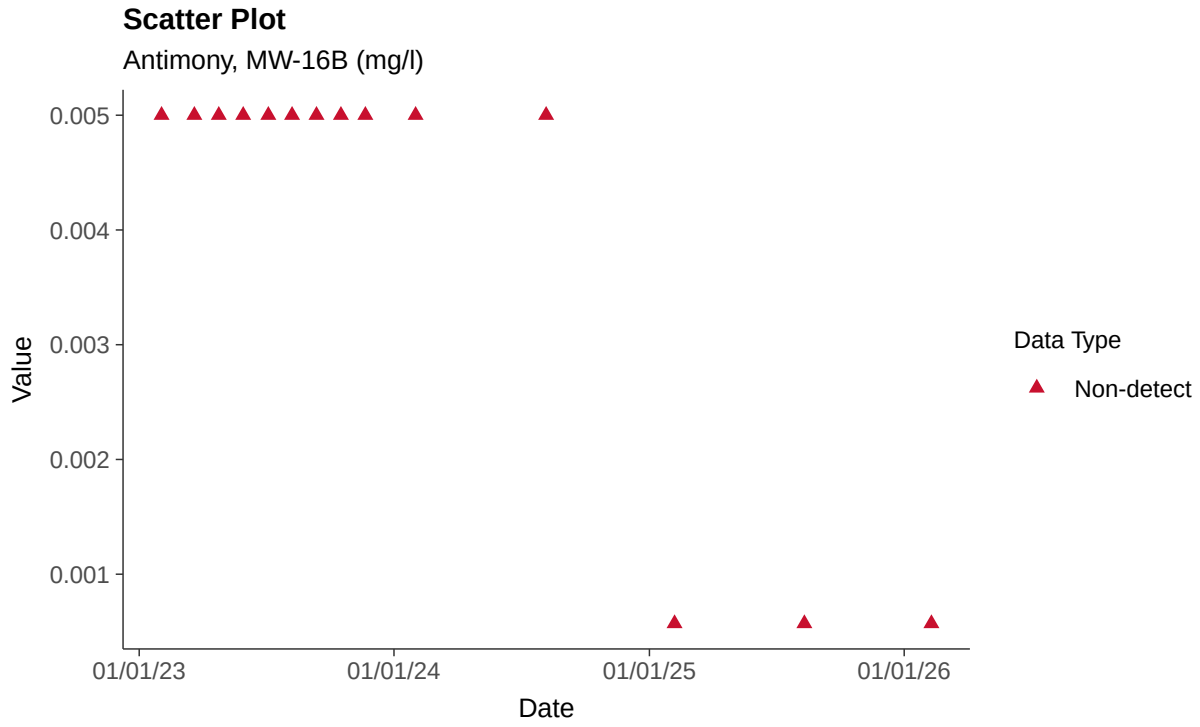
Trend Regression: Piecewise Linear-Linear-Linear

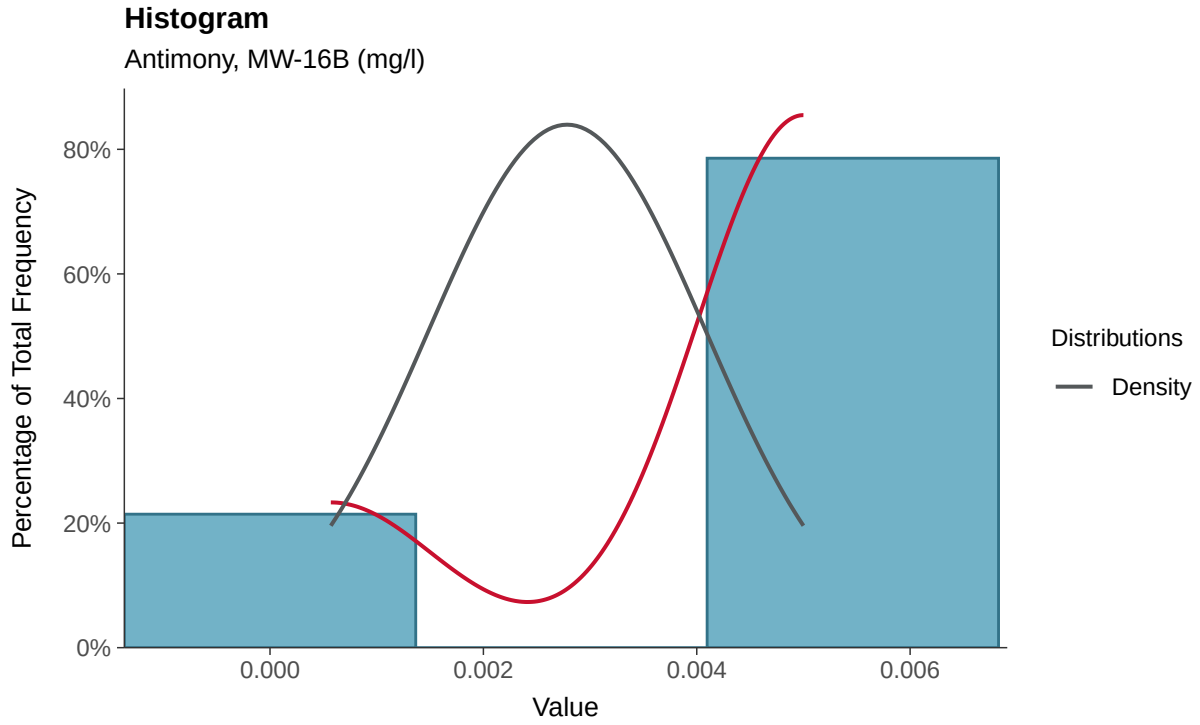
Total Dissolved Solids, MW-16B (mg/l)



Appendix IV: Antimony, MW-16B

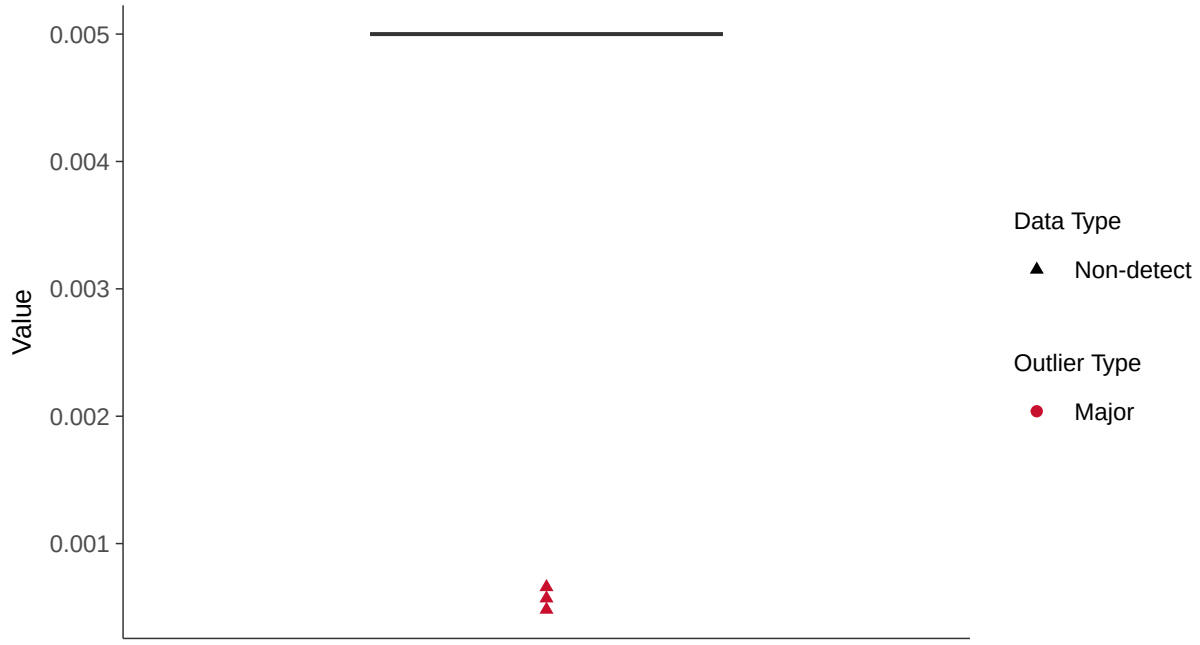
ID: 24_3_101





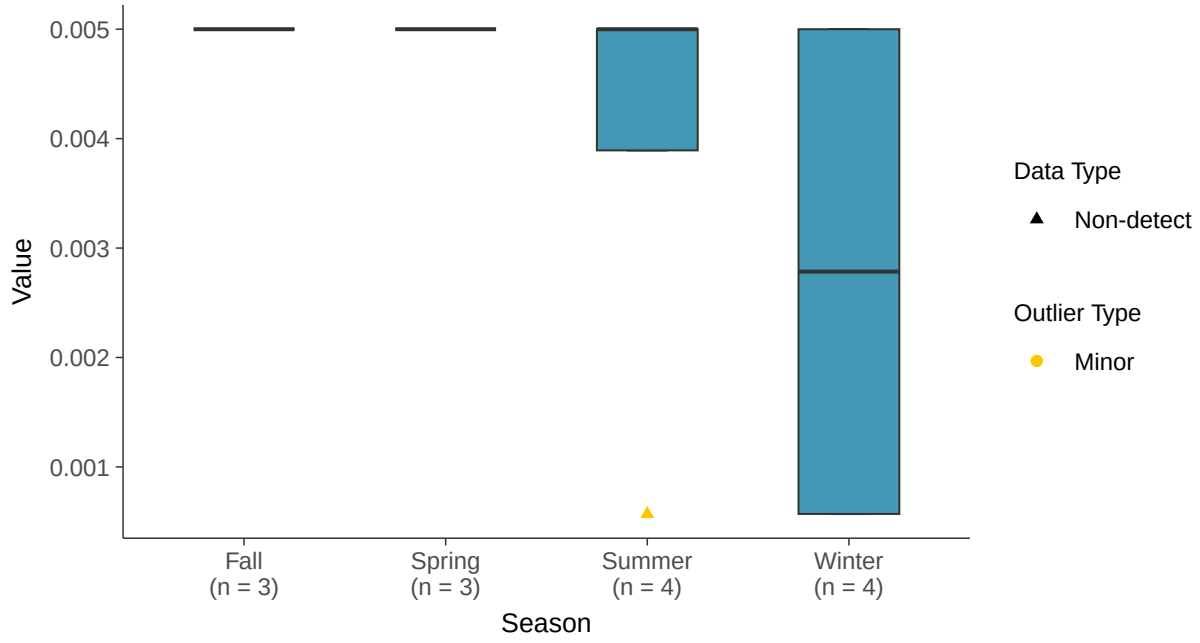
Boxplot

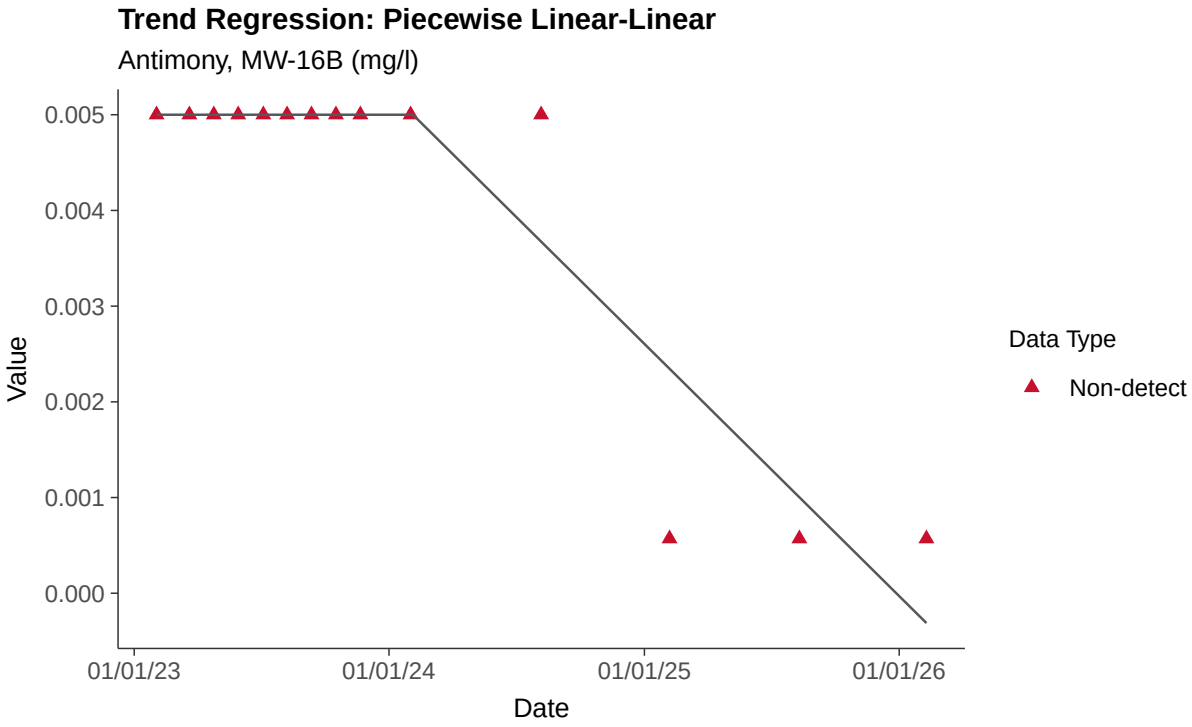
Antimony, MW-16B (mg/l)



Boxplot by Season

Antimony, MW-16B (mg/l)



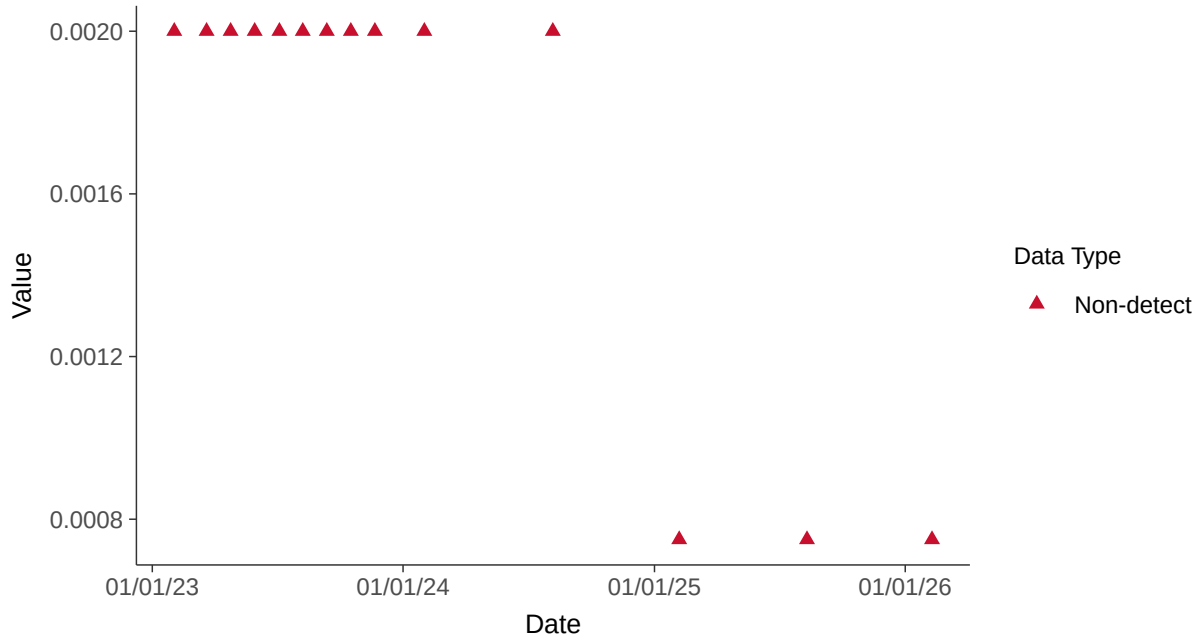

Trend Regression: Piecewise Linear-Linear
Antimony, MW-16B (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-16B

ID: 24_3_102

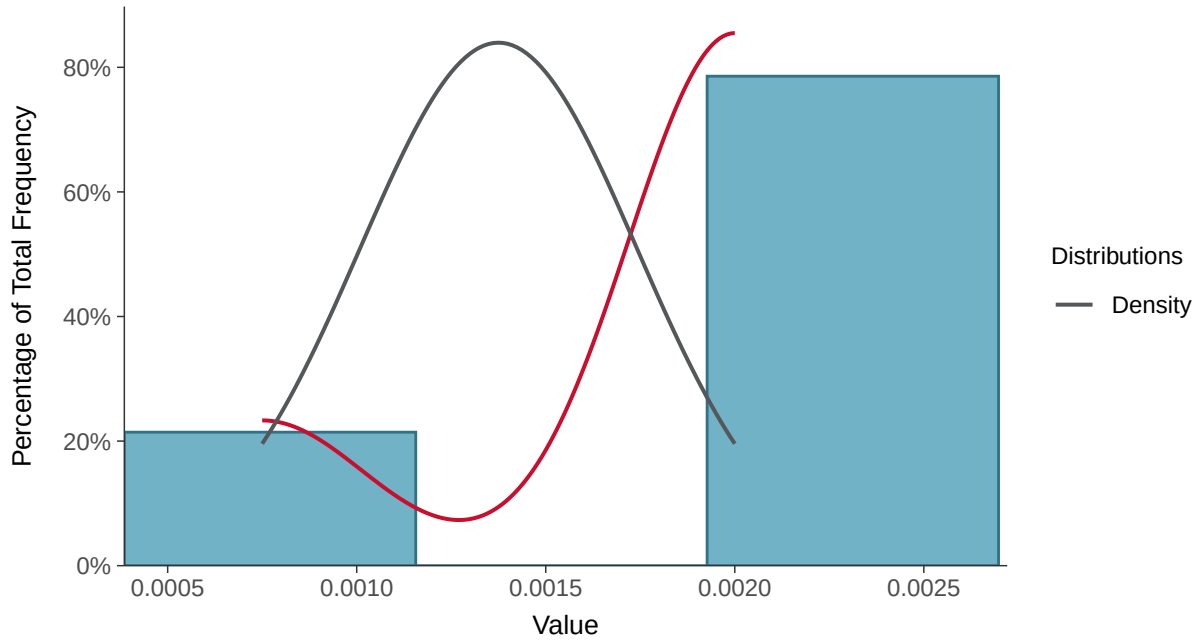
Scatter Plot

Arsenic, MW-16B (mg/l)



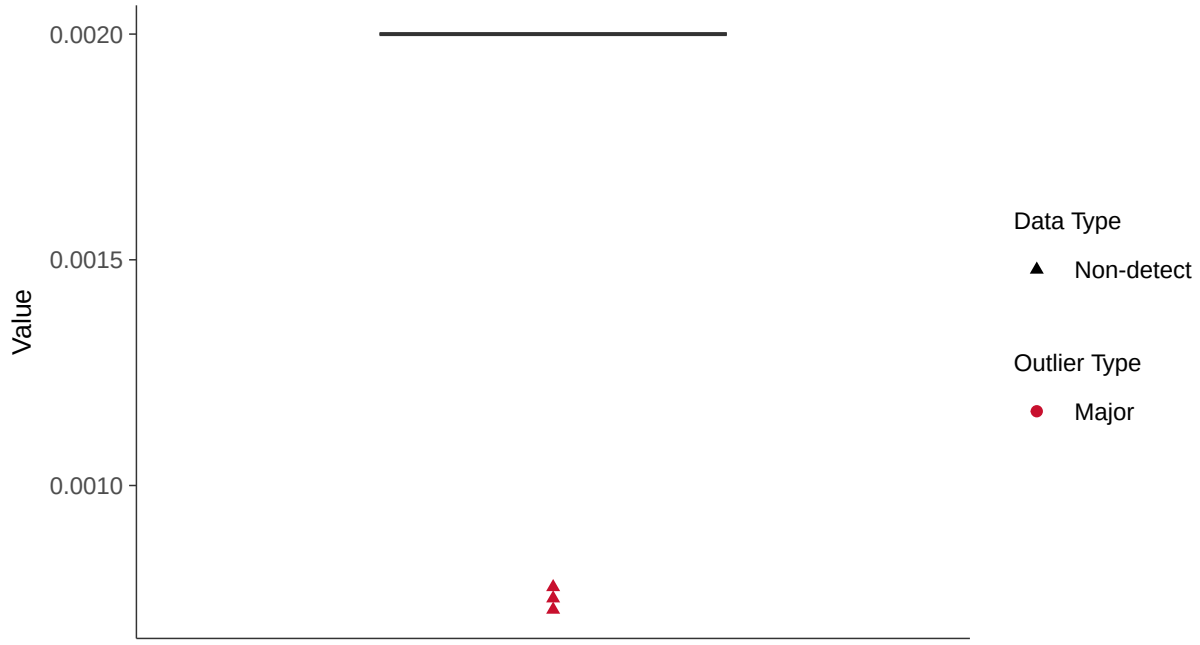
Histogram

Arsenic, MW-16B (mg/l)



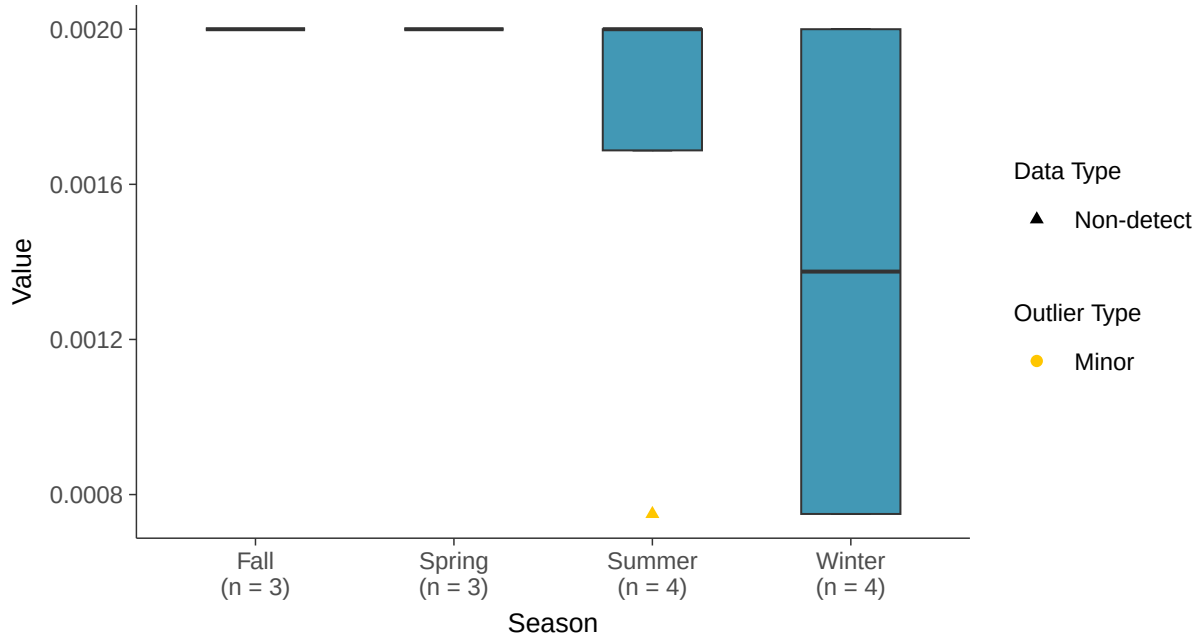
Boxplot

Arsenic, MW-16B (mg/l)



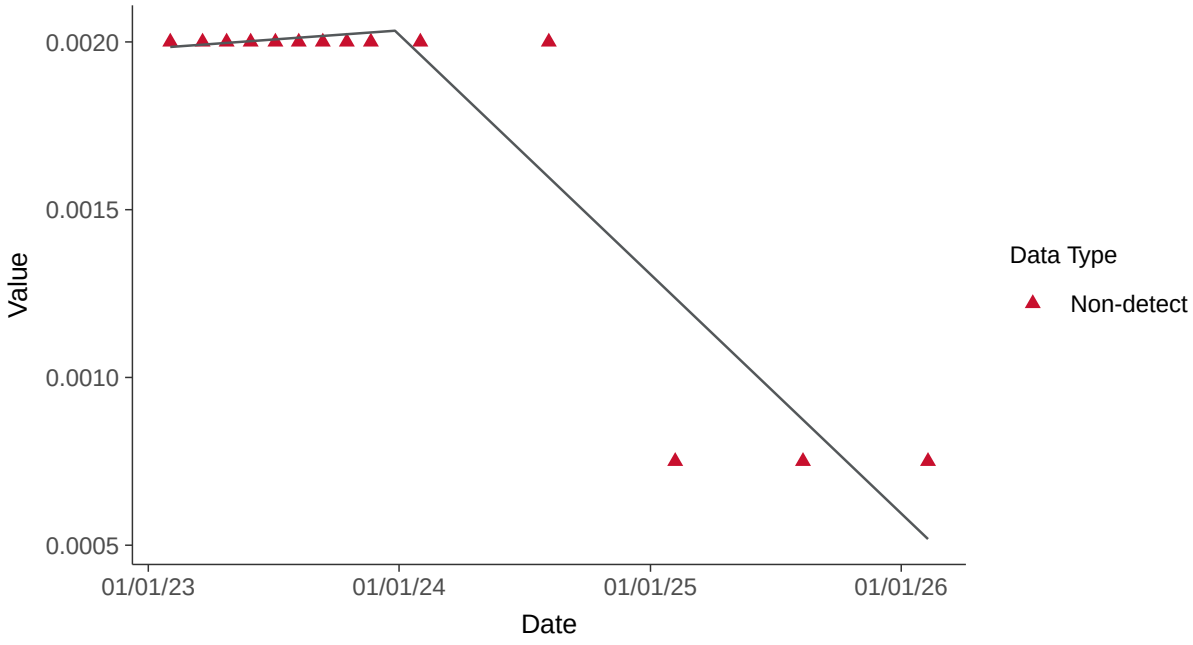
Boxplot by Season

Arsenic, MW-16B (mg/l)



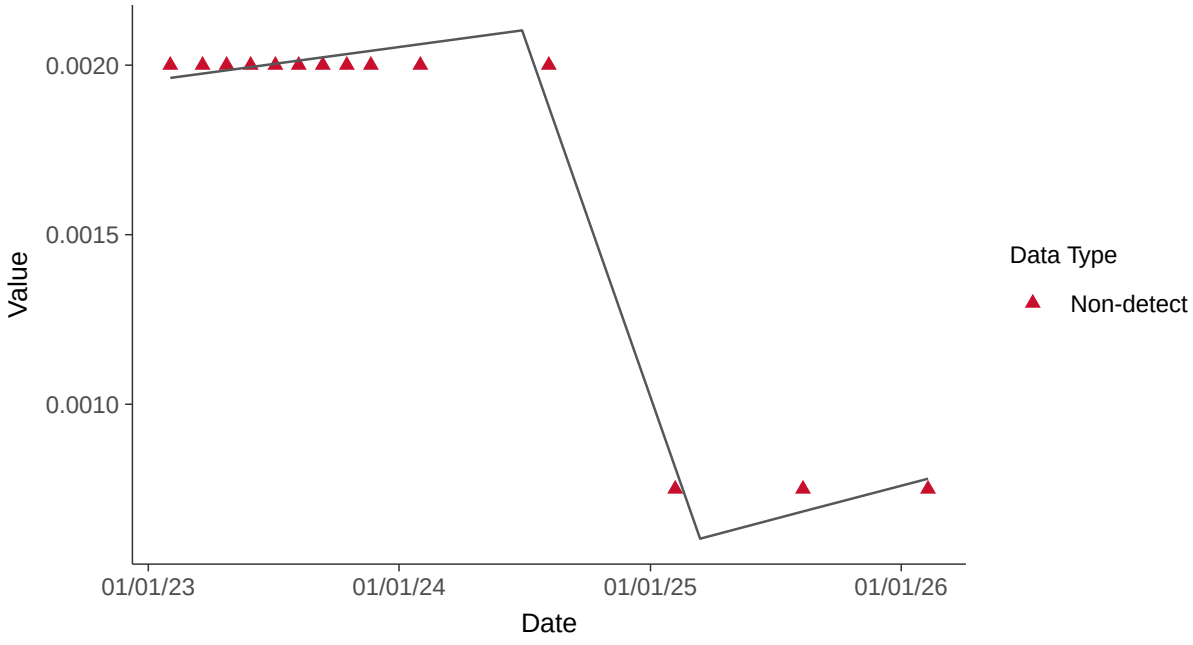
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-16B (mg/l)



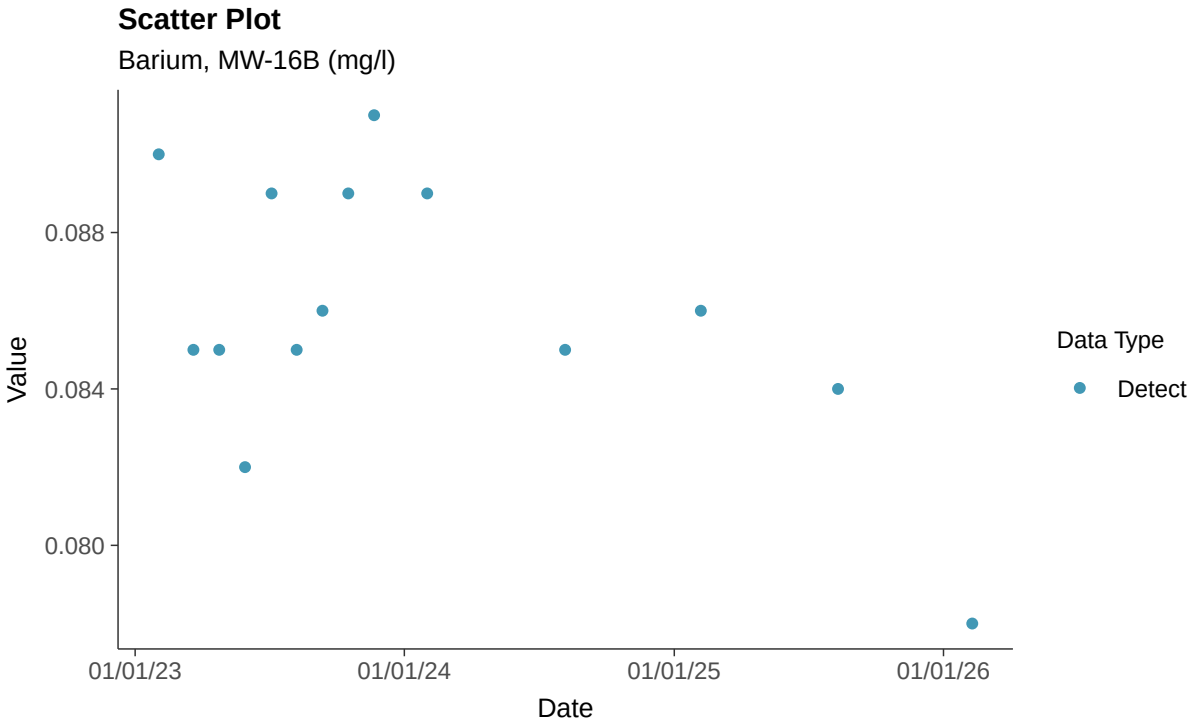
Trend Regression: Piecewise Linear-Linear-Linear

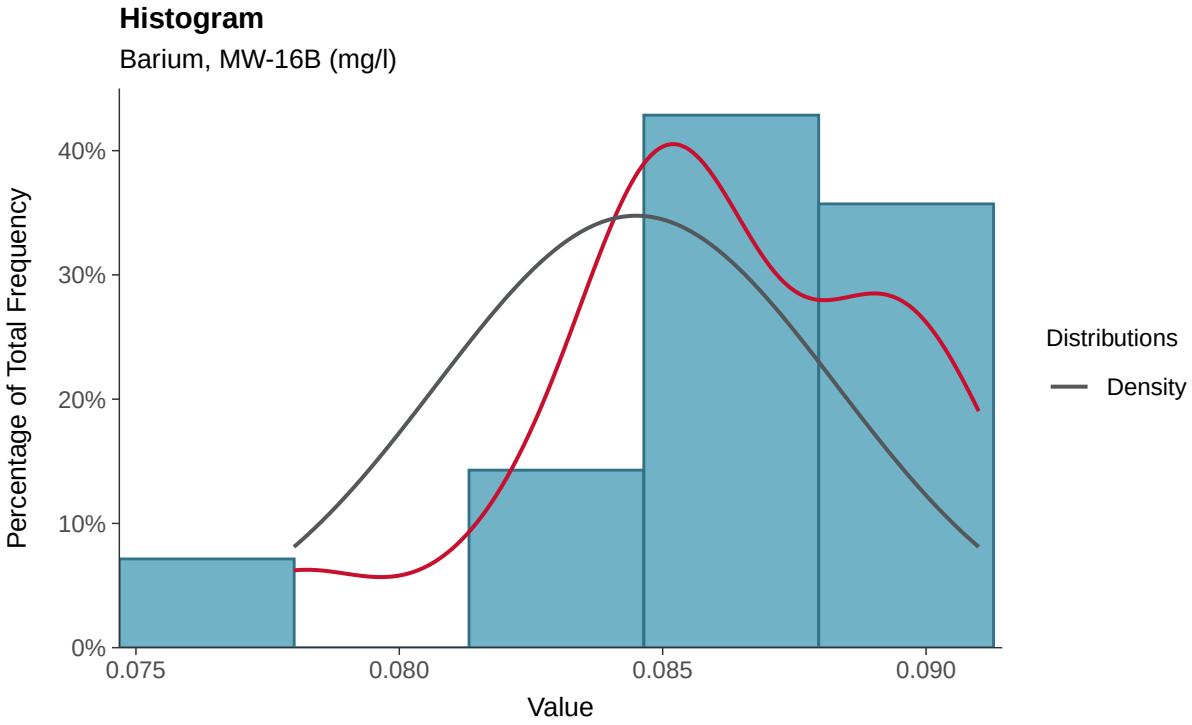
Arsenic, MW-16B (mg/l)



Appendix IV: Barium, MW-16B

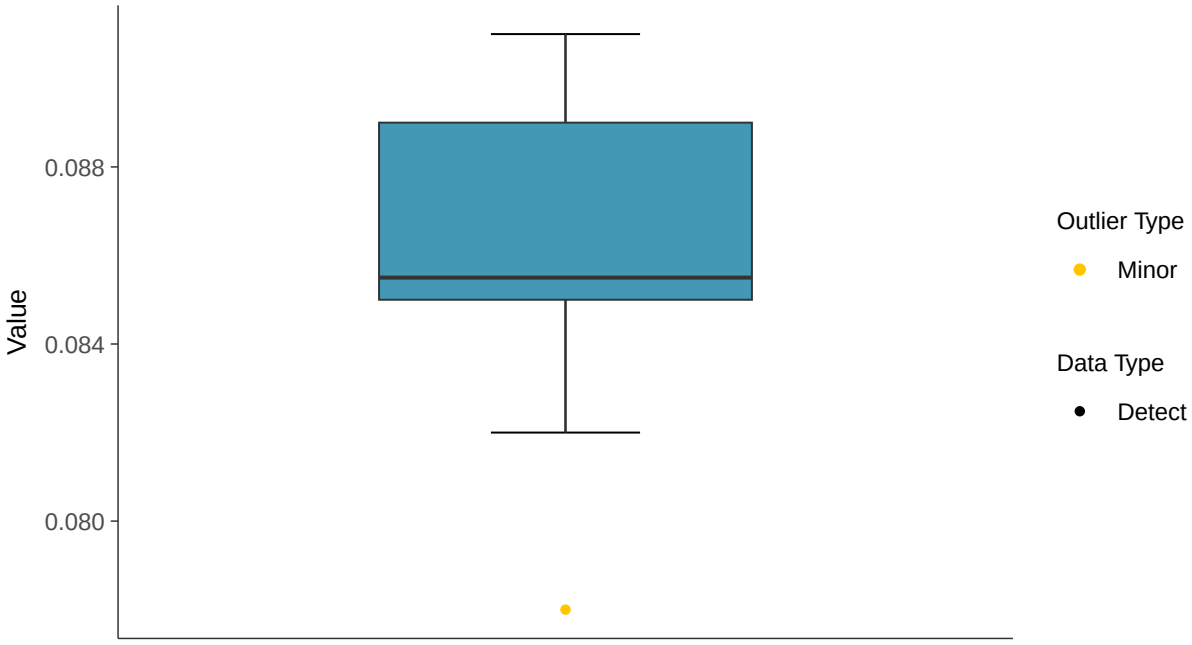
ID: 24_3_103





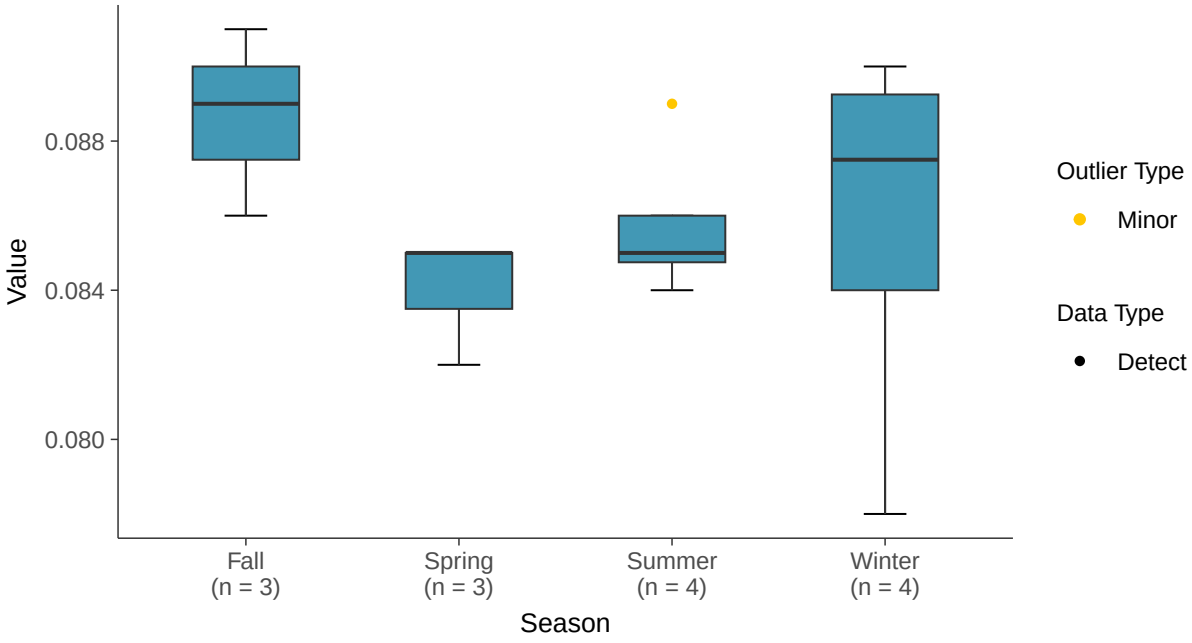
Boxplot

Barium, MW-16B (mg/l)



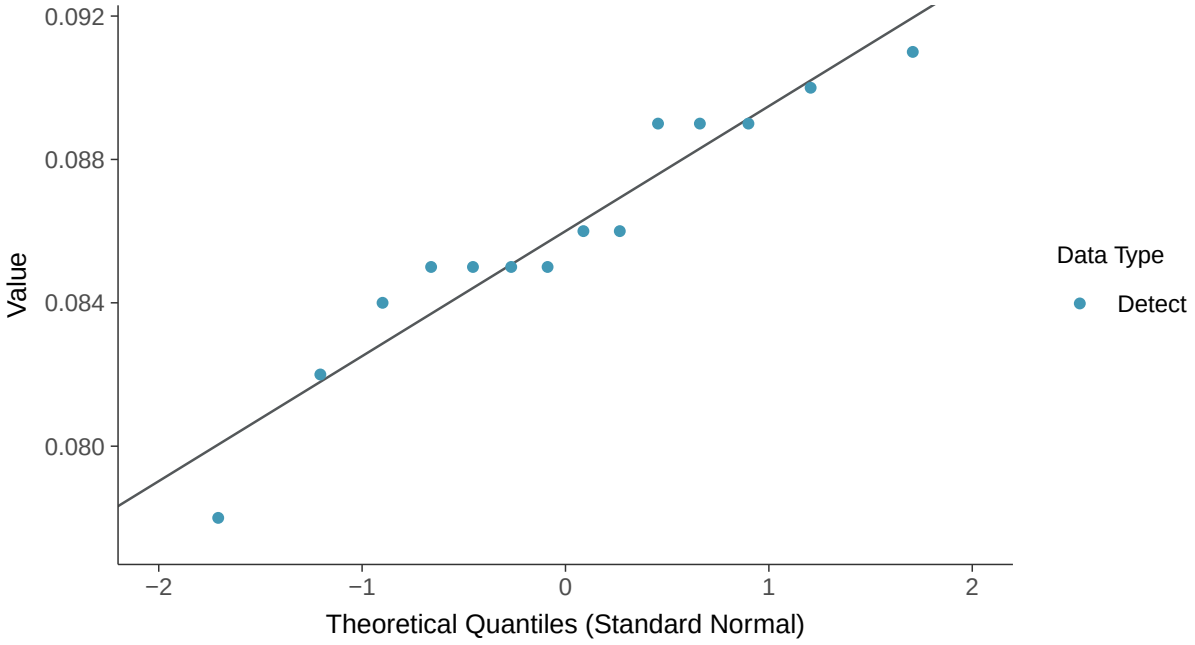
Boxplot by Season

Barium, MW-16B (mg/l)



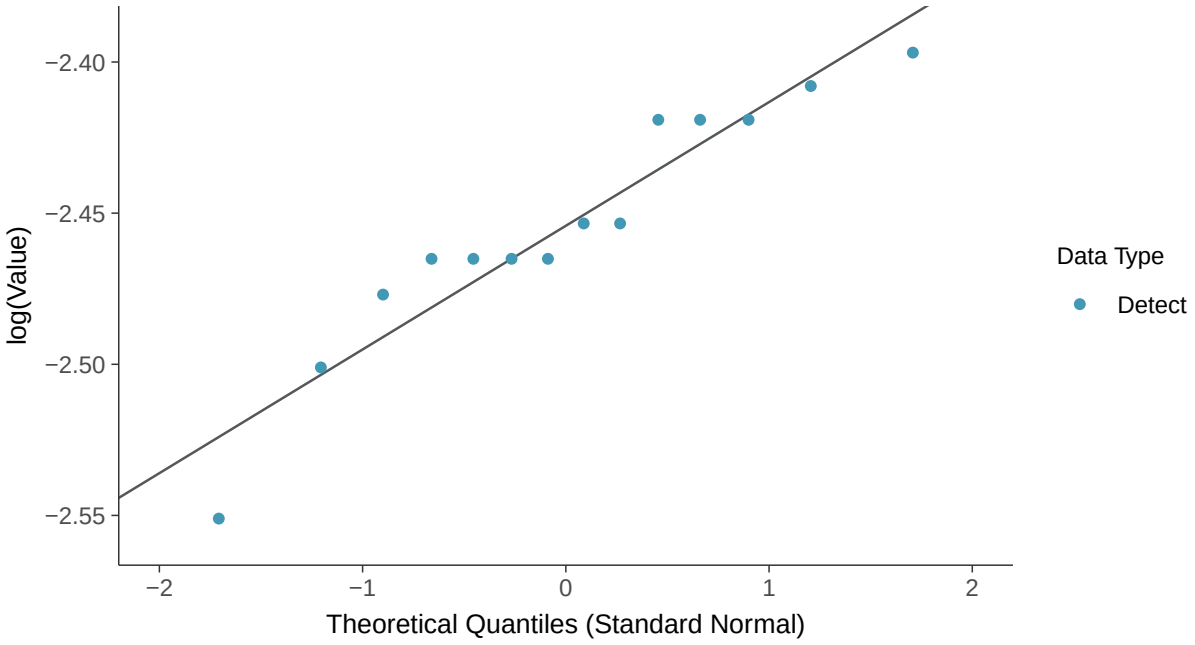
Normal Q-Q plot

Barium, MW-16B (mg/l)



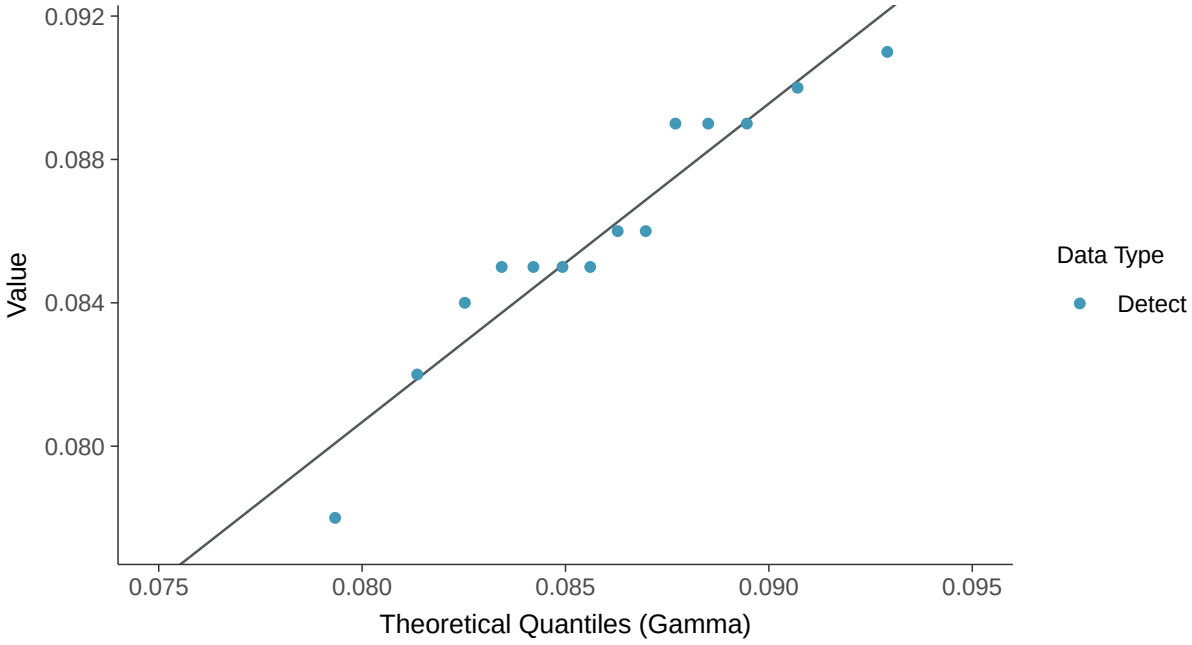
Lognormal Q-Q plot

Barium, MW-16B (mg/l)



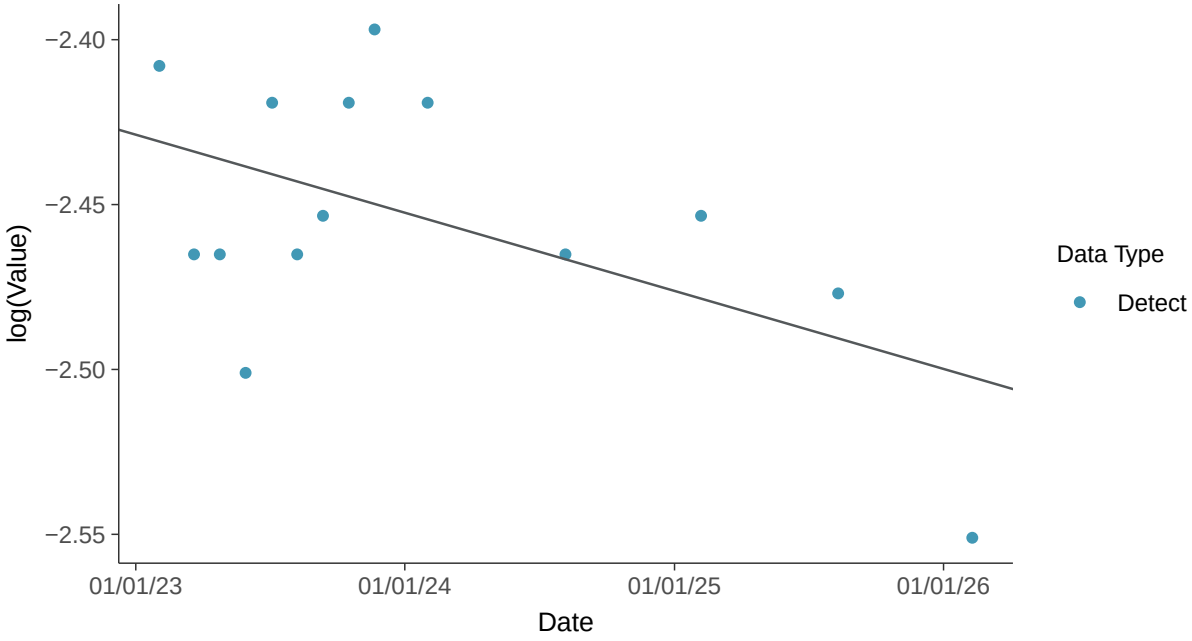
Gamma Q-Q plot

Barium, MW-16B (mg/l)



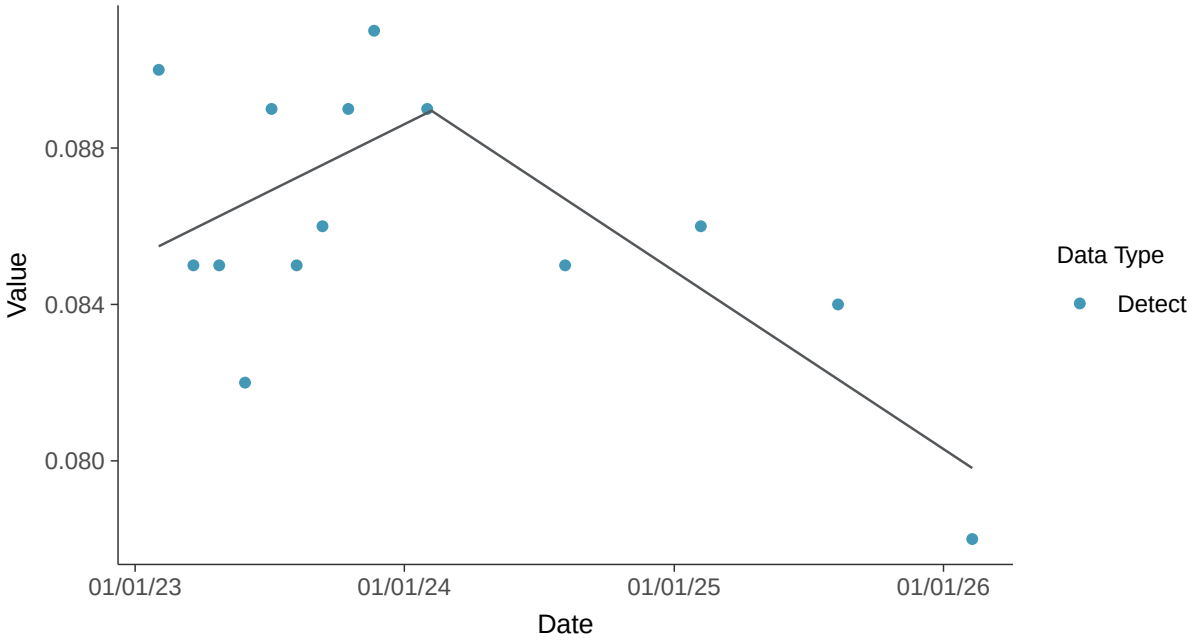
Trend Regression: Lognormal MLE

Barium, MW-16B (mg/l)



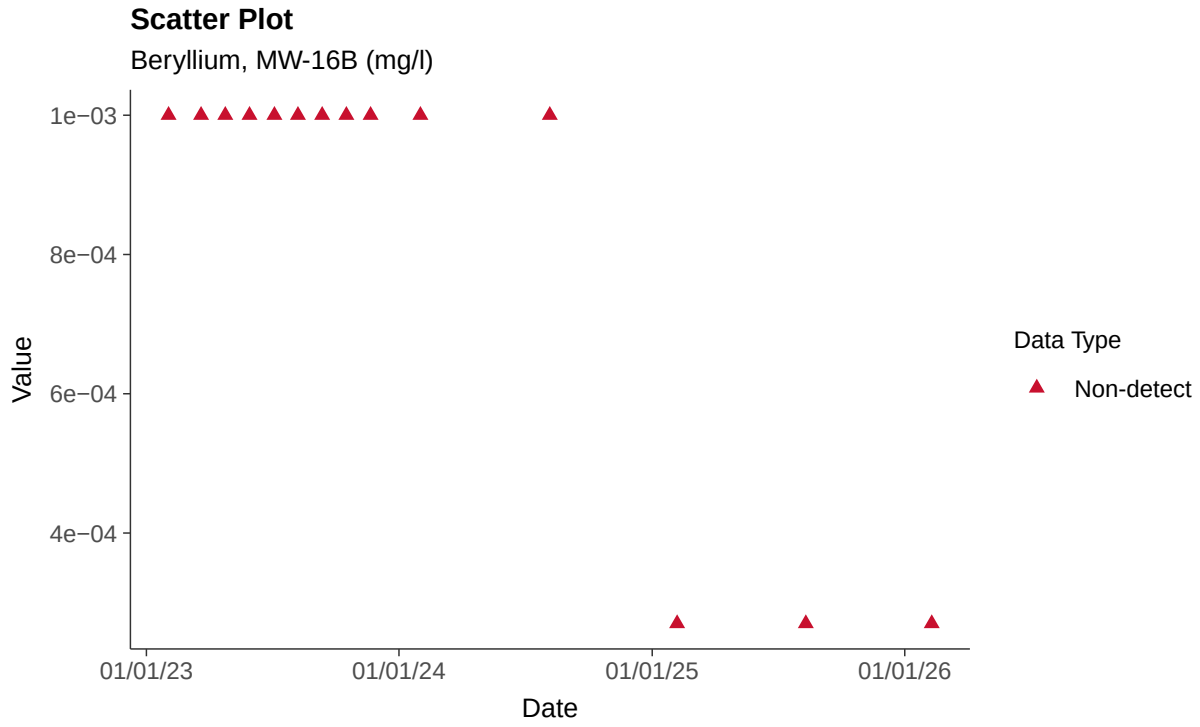
Trend Regression: Piecewise Linear-Linear

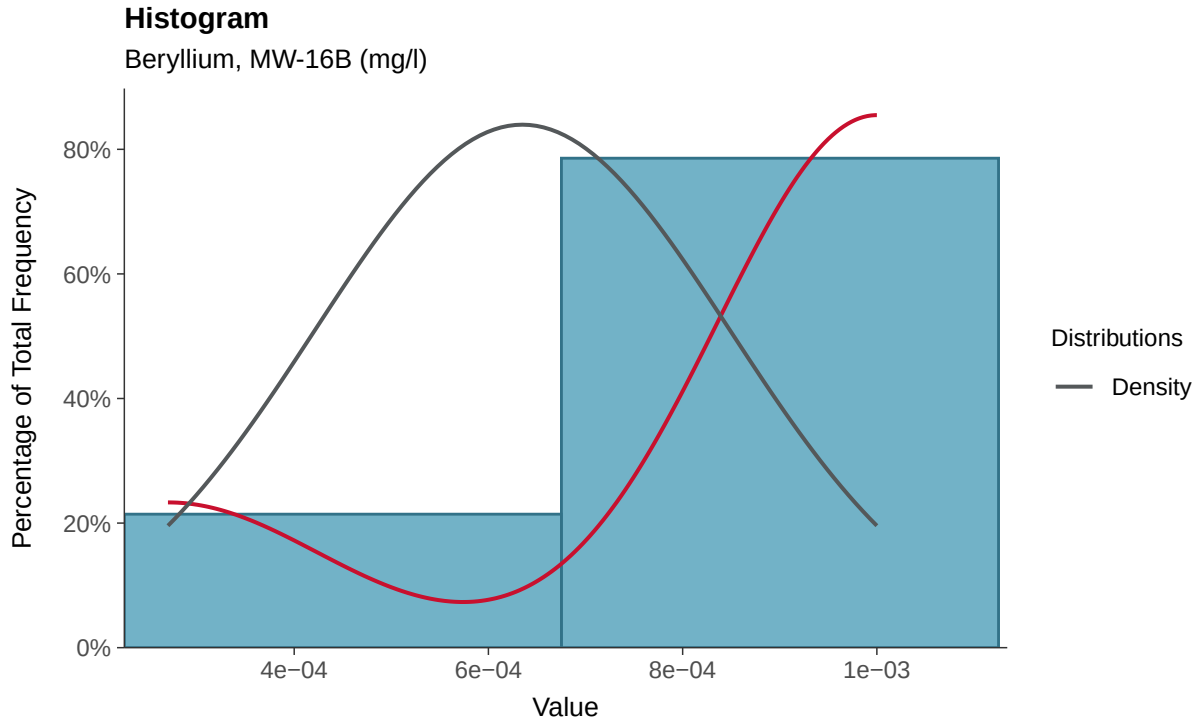
Barium, MW-16B (mg/l)



Appendix IV: Beryllium, MW-16B

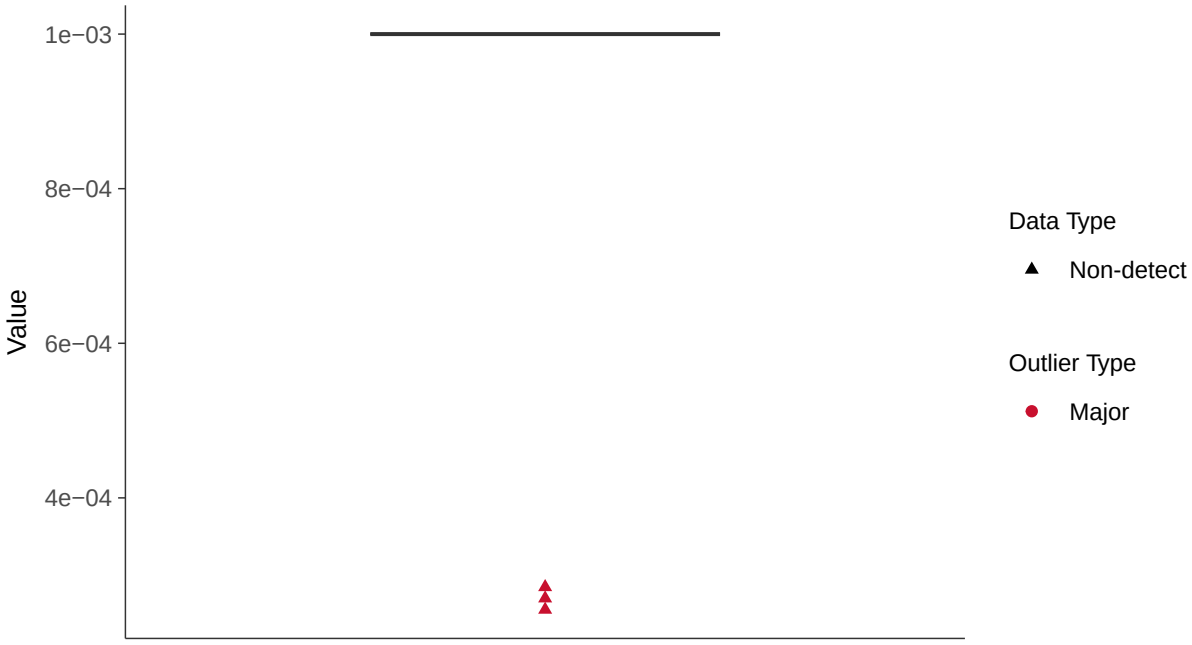
ID: 24_3_104





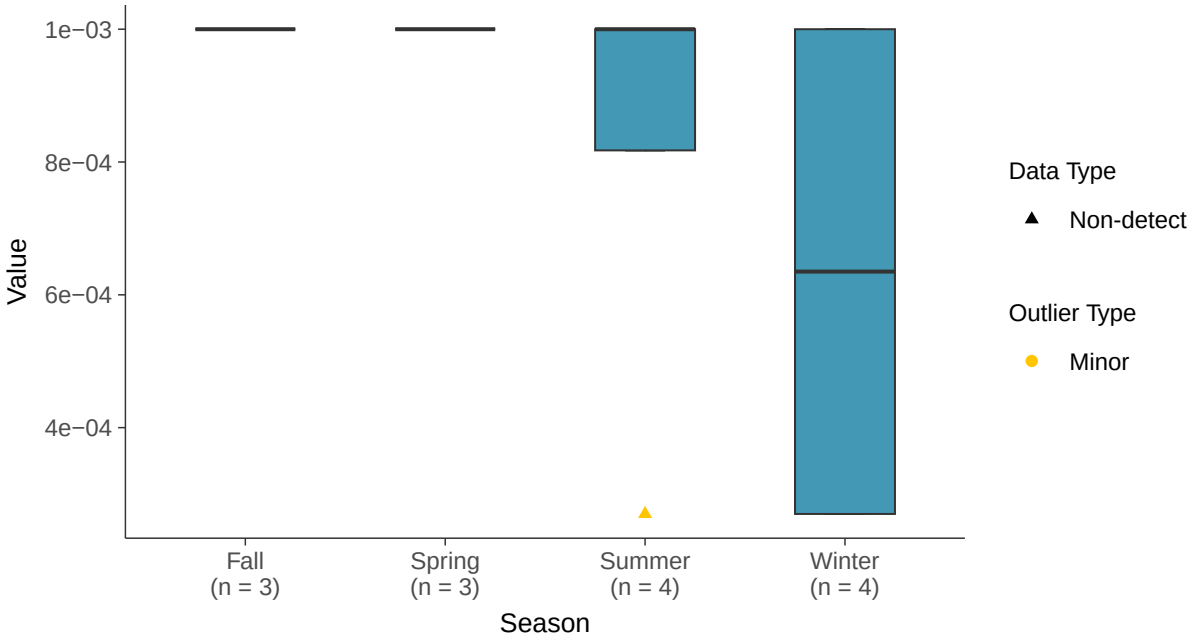
Boxplot

Beryllium, MW-16B (mg/l)



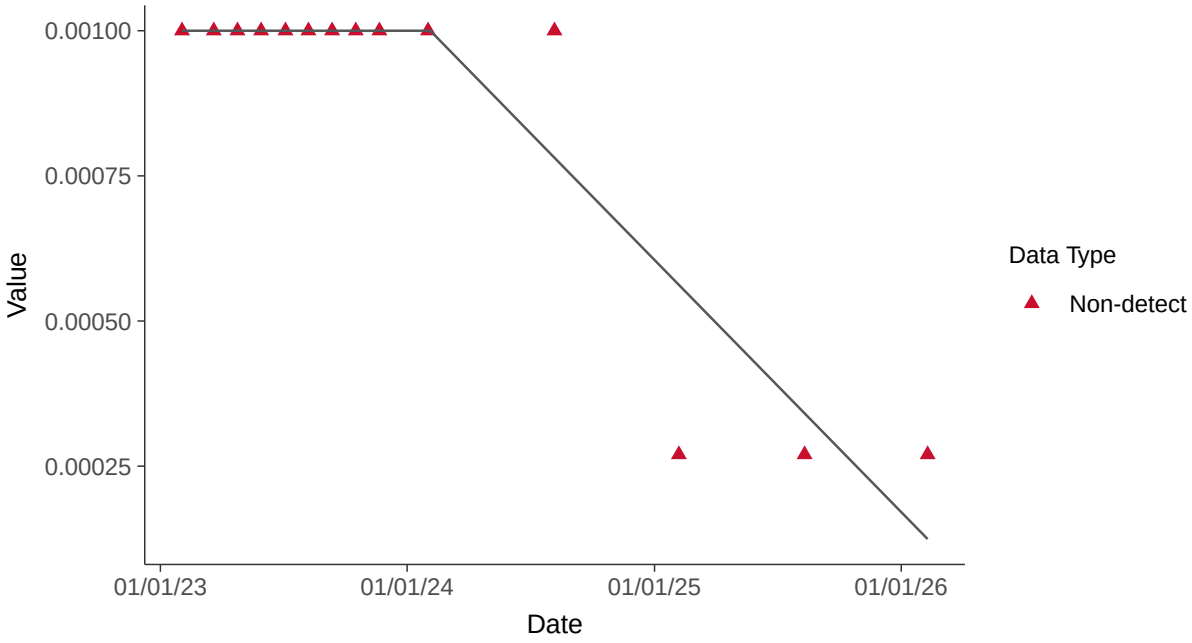
Boxplot by Season

Beryllium, MW-16B (mg/l)



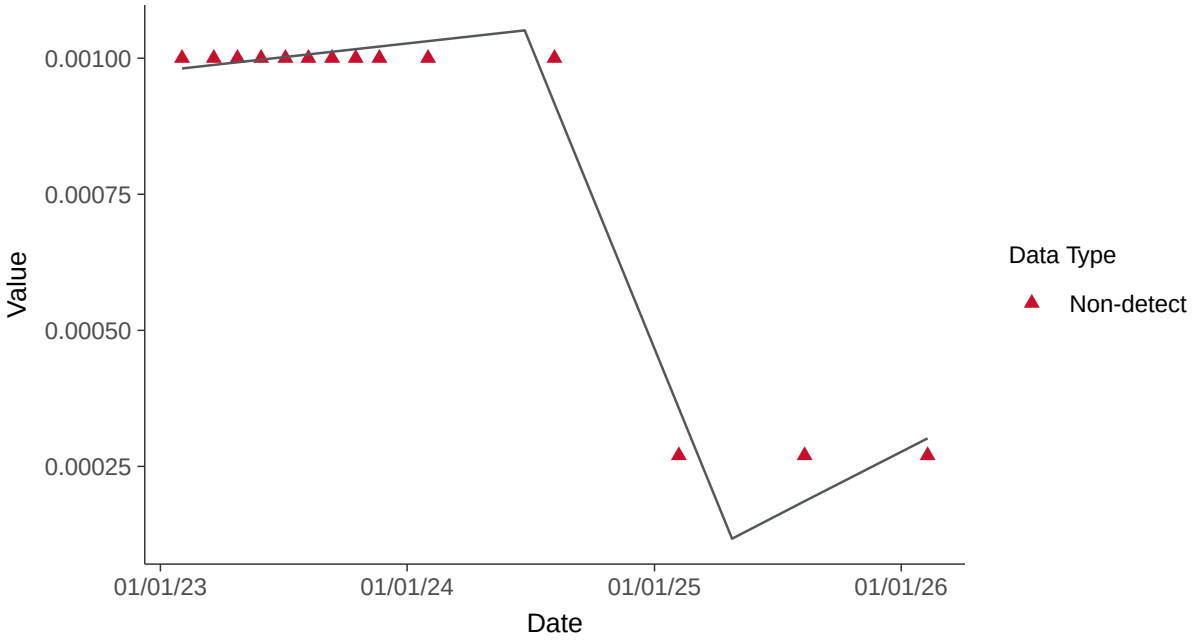
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-16B (mg/l)



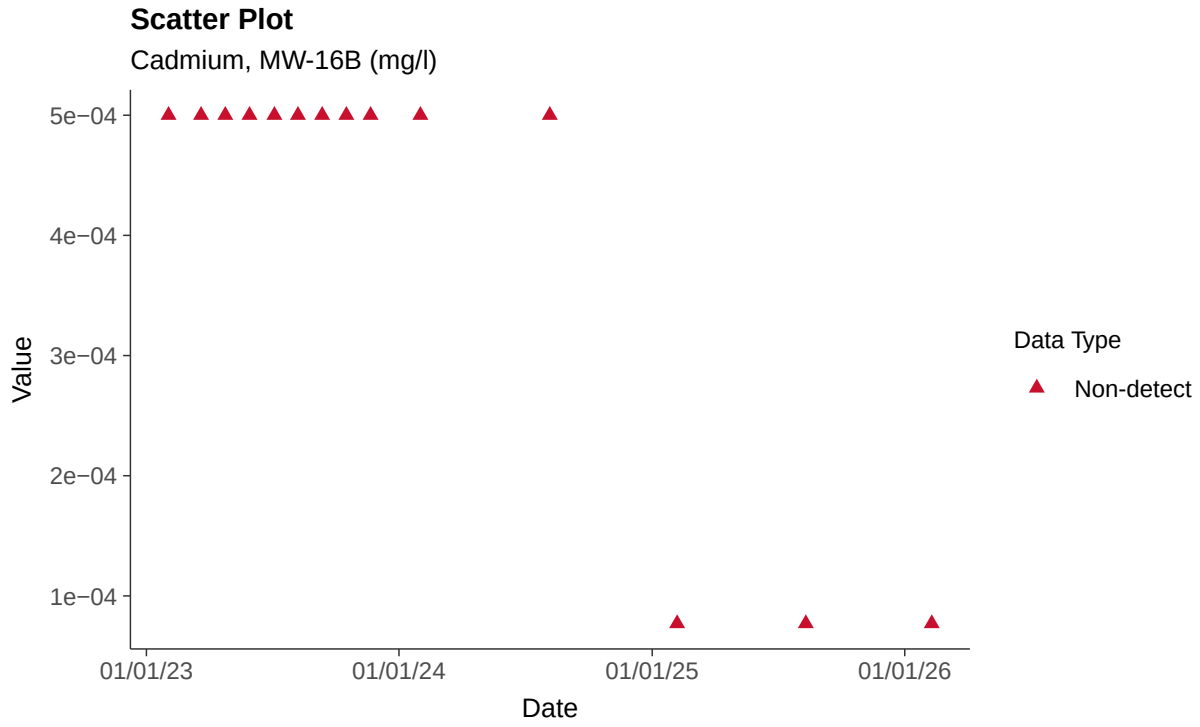
Trend Regression: Piecewise Linear-Linear-Linear

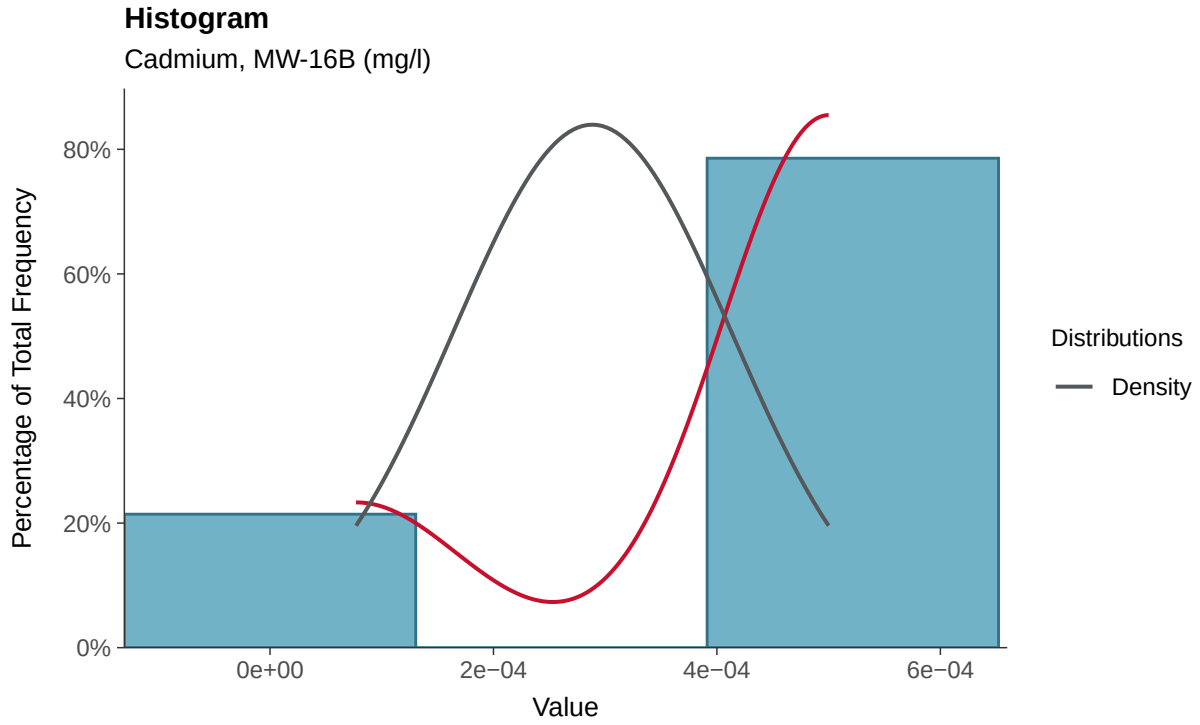
Beryllium, MW-16B (mg/l)



Appendix IV: Cadmium, MW-16B

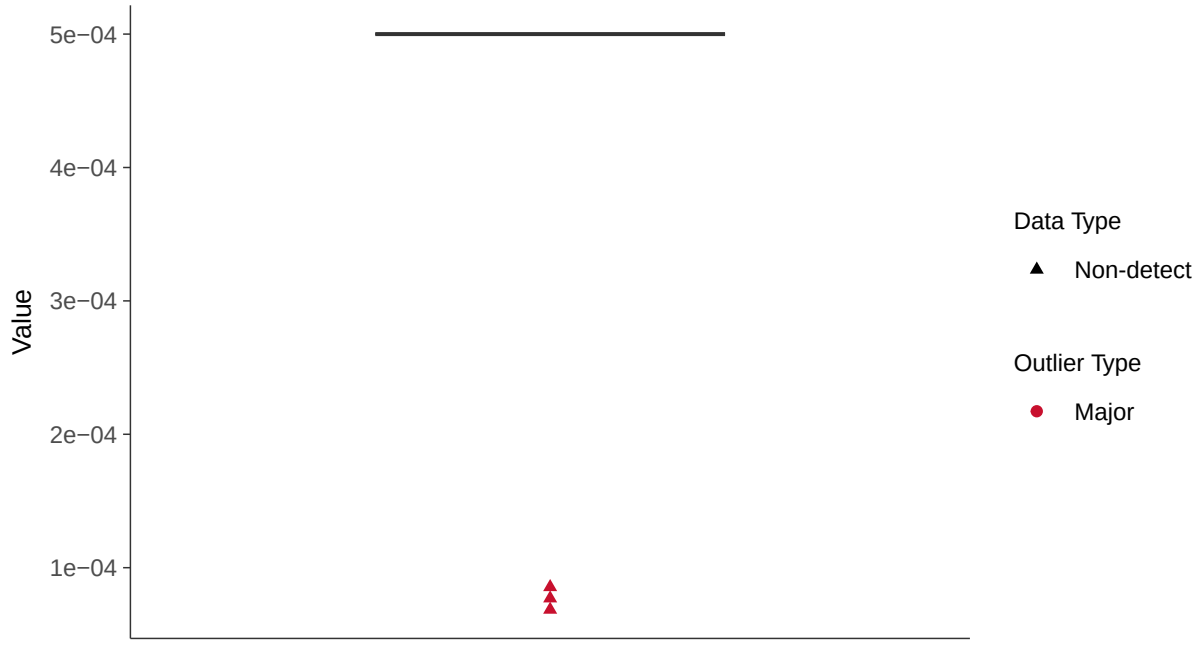
ID: 24_3_106





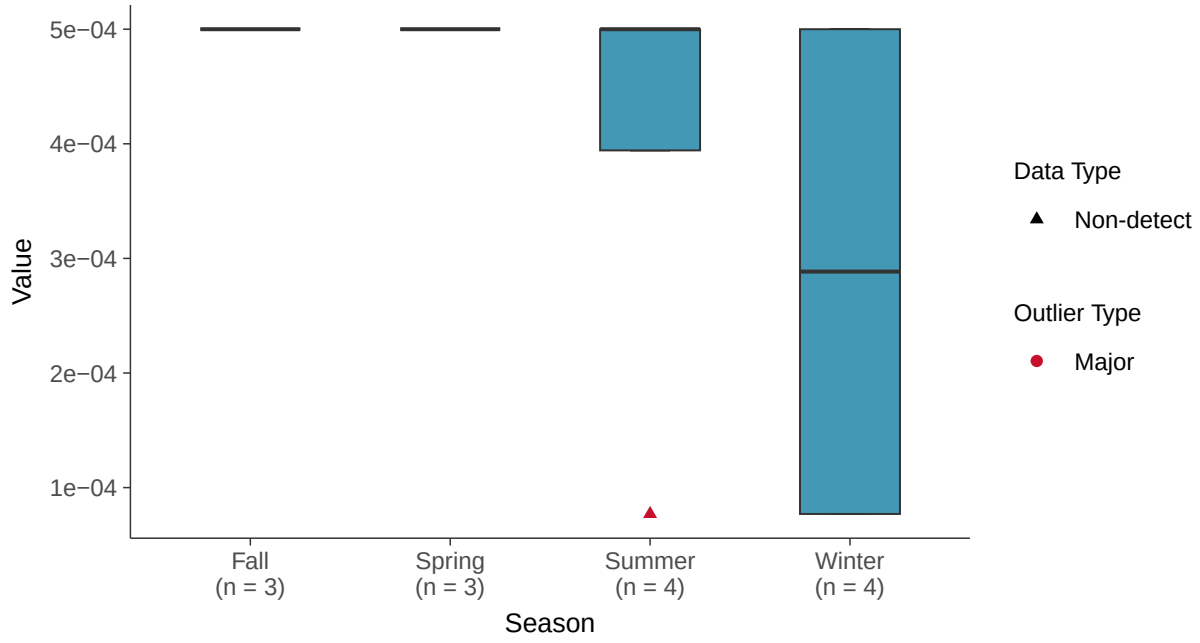
Boxplot

Cadmium, MW-16B (mg/l)



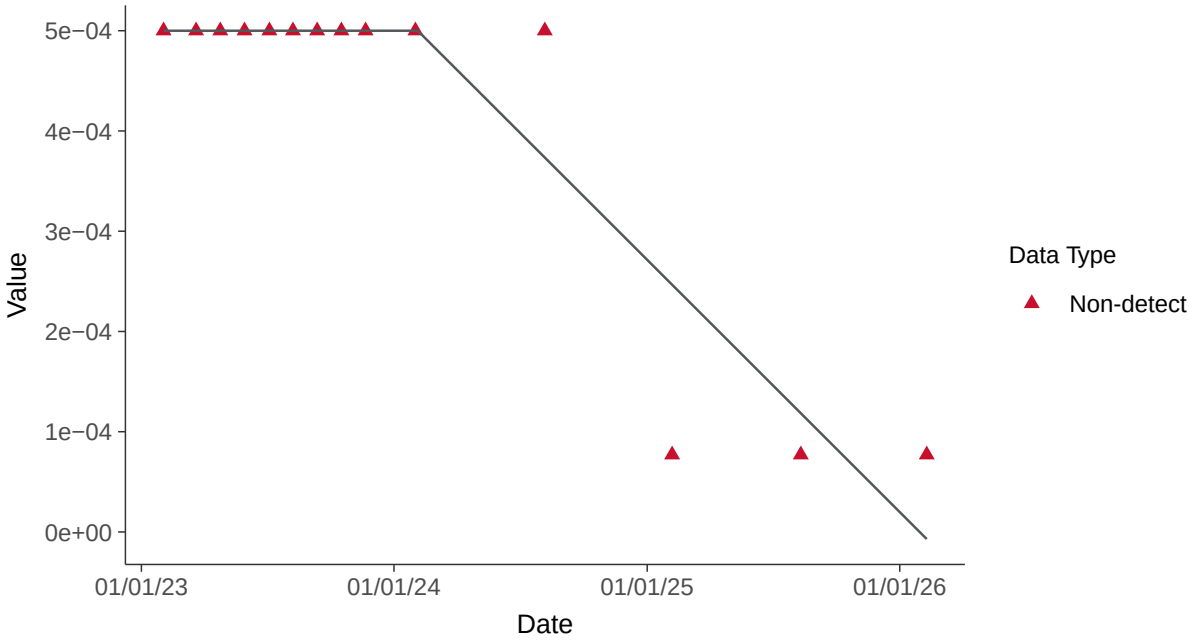
Boxplot by Season

Cadmium, MW-16B (mg/l)



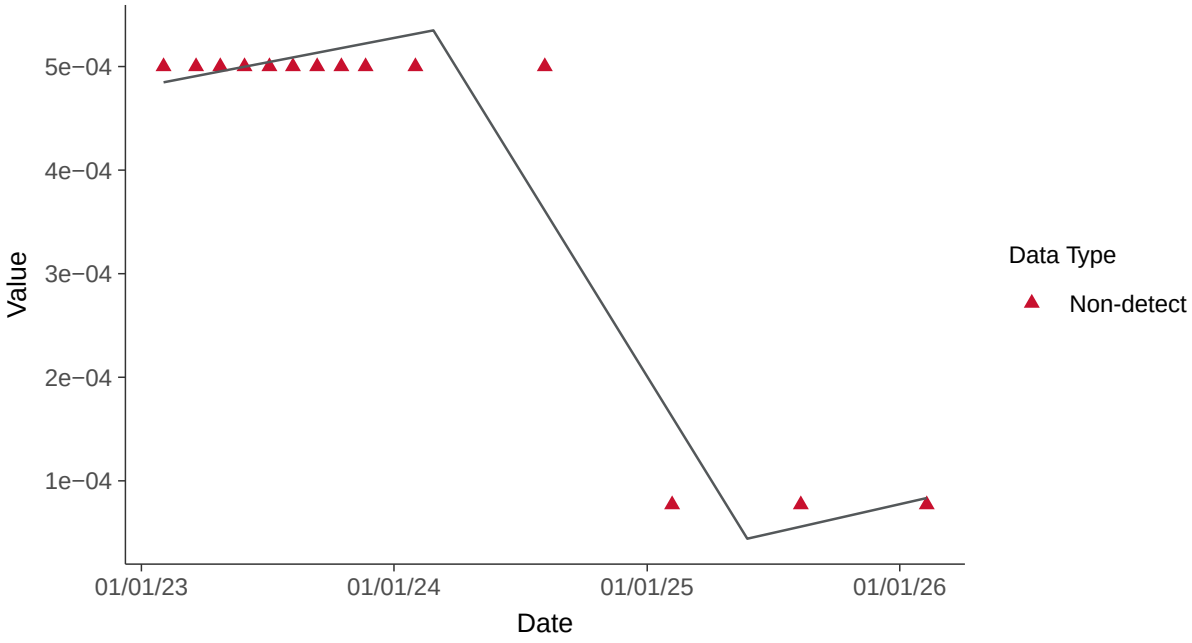
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-16B (mg/l)



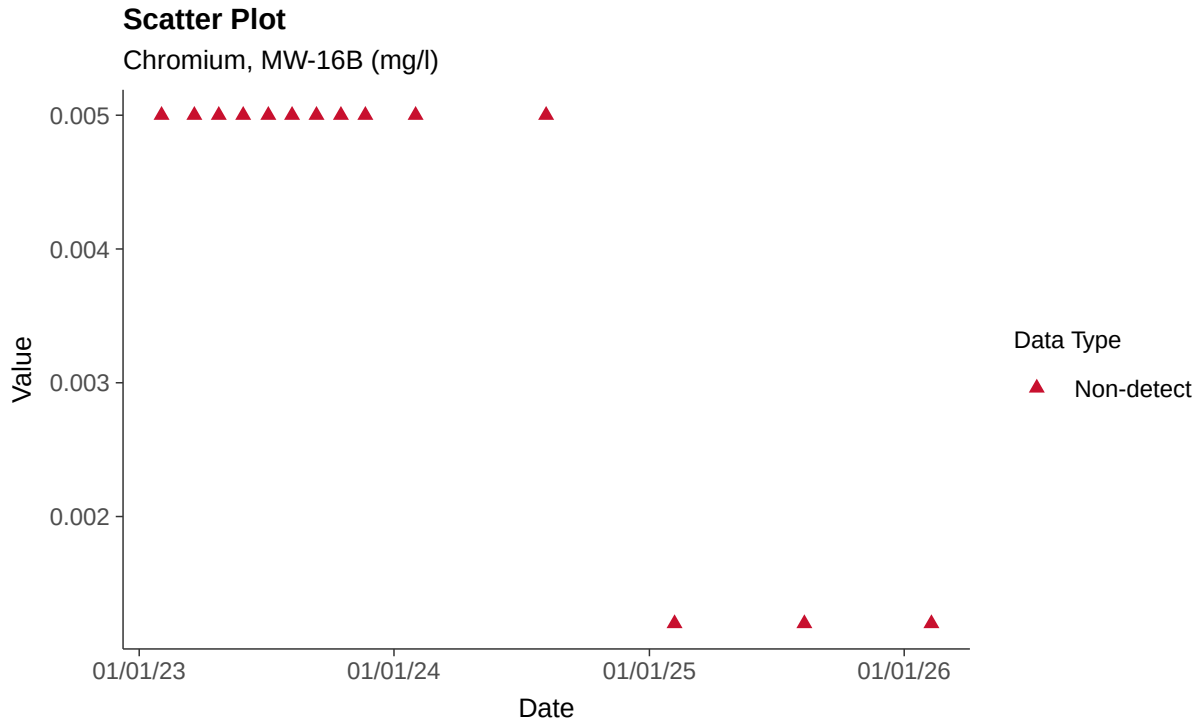
Trend Regression: Piecewise Linear-Linear-Linear

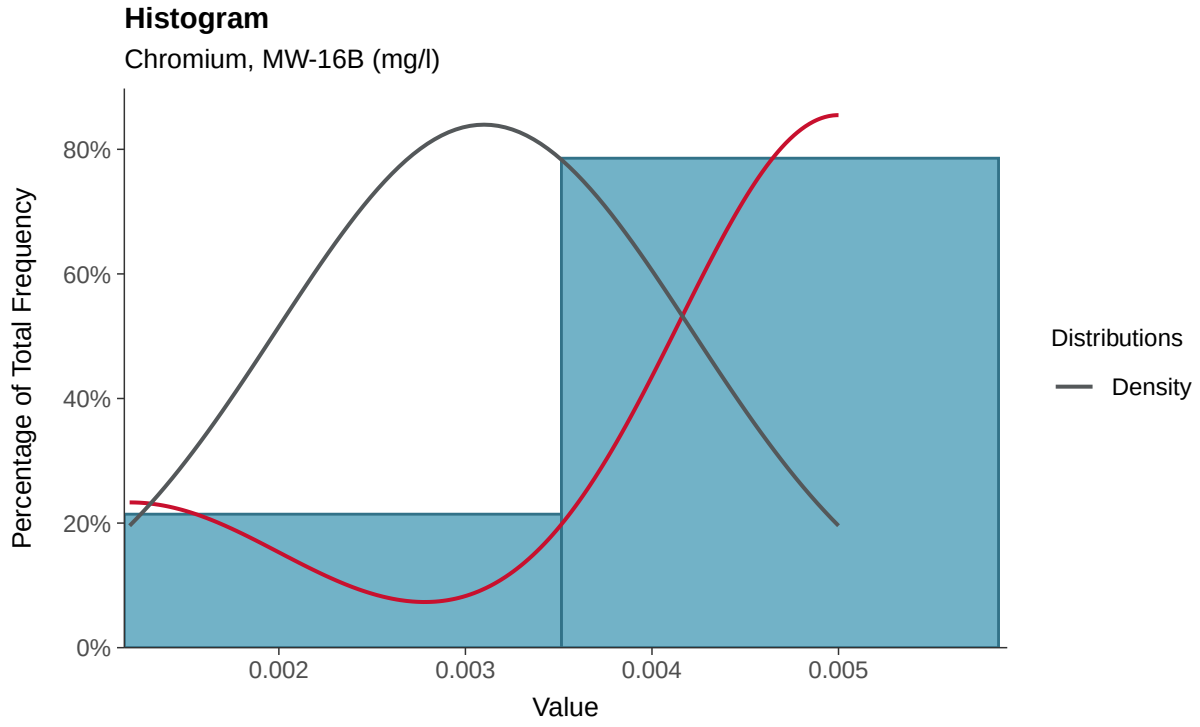
Cadmium, MW-16B (mg/l)



Appendix IV: Chromium, MW-16B

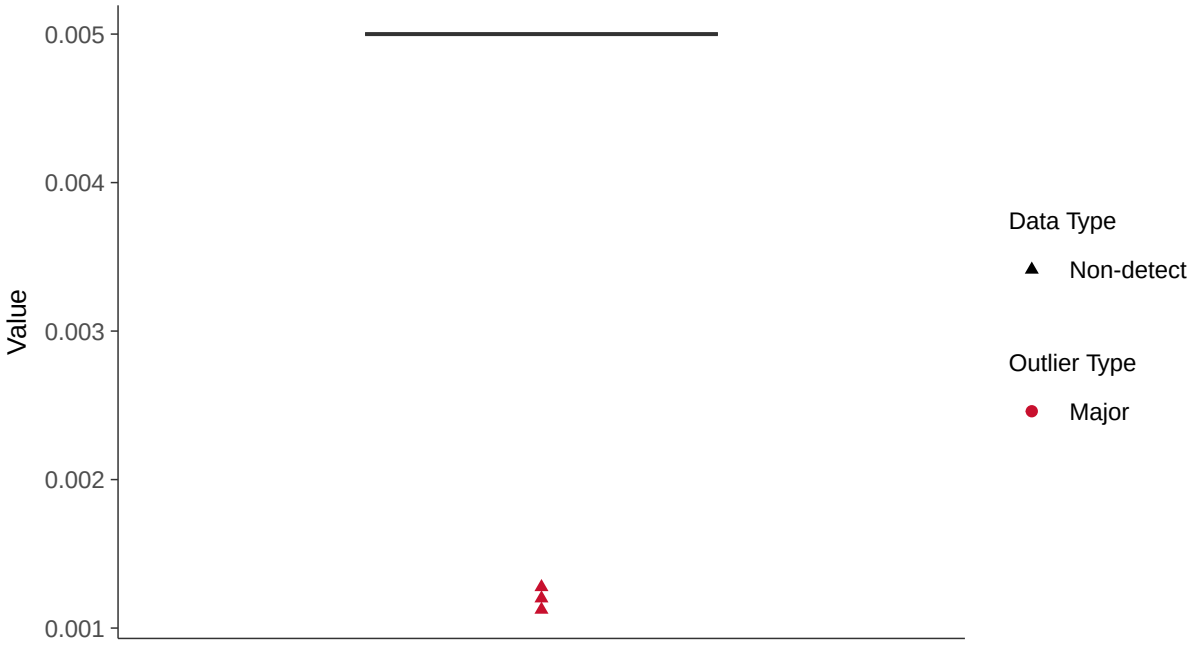
ID: 24_3_109





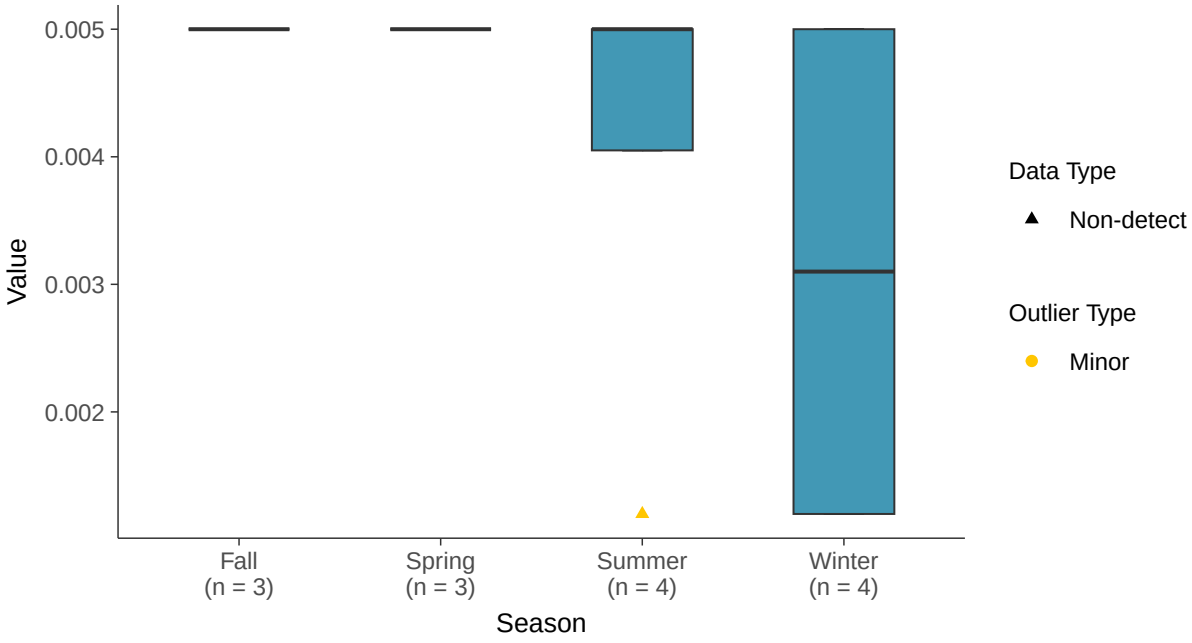
Boxplot

Chromium, MW-16B (mg/l)



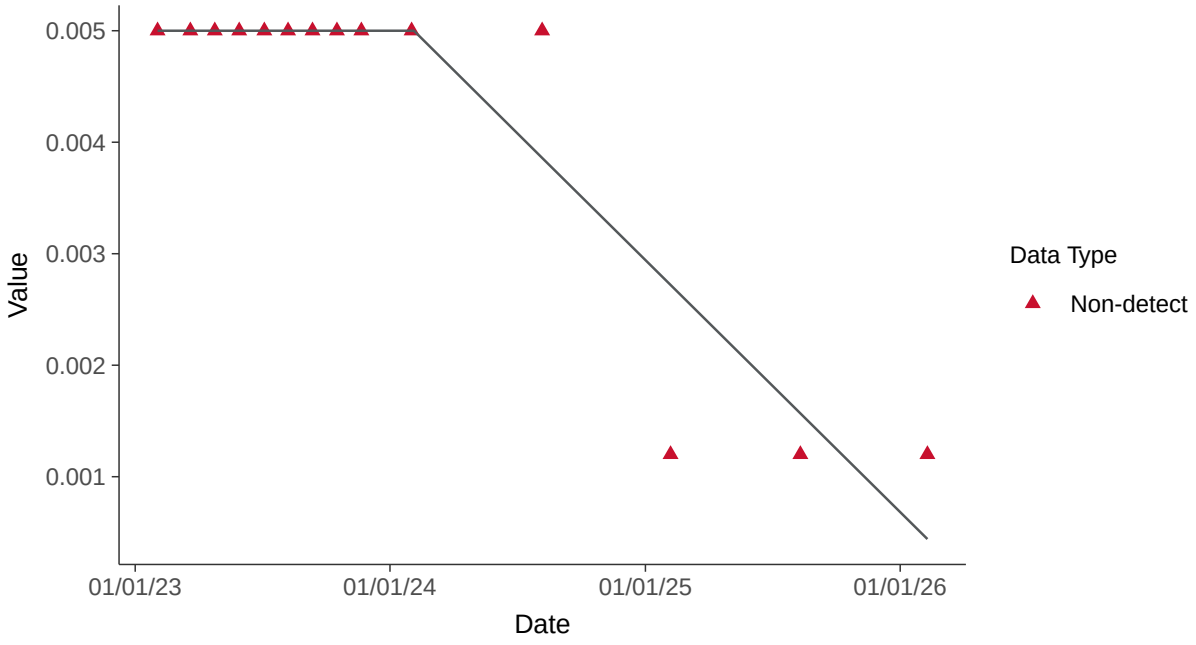
Boxplot by Season

Chromium, MW-16B (mg/l)



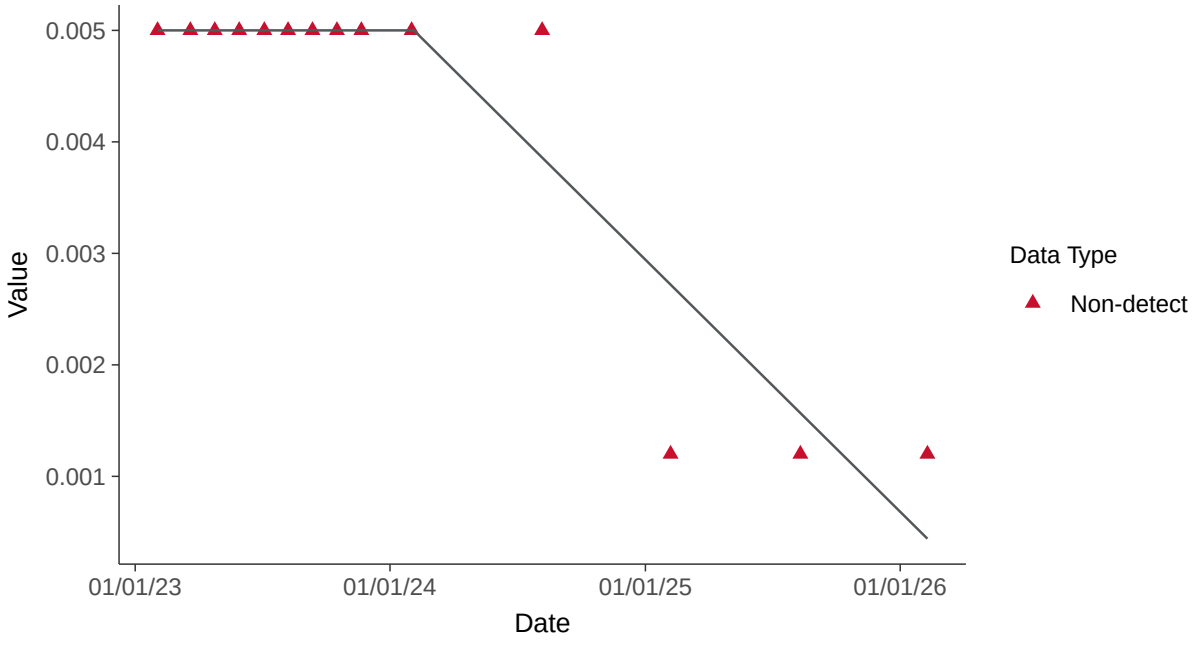
Trend Regression: Piecewise Linear-Linear

Chromium, MW-16B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Chromium, MW-16B (mg/l)

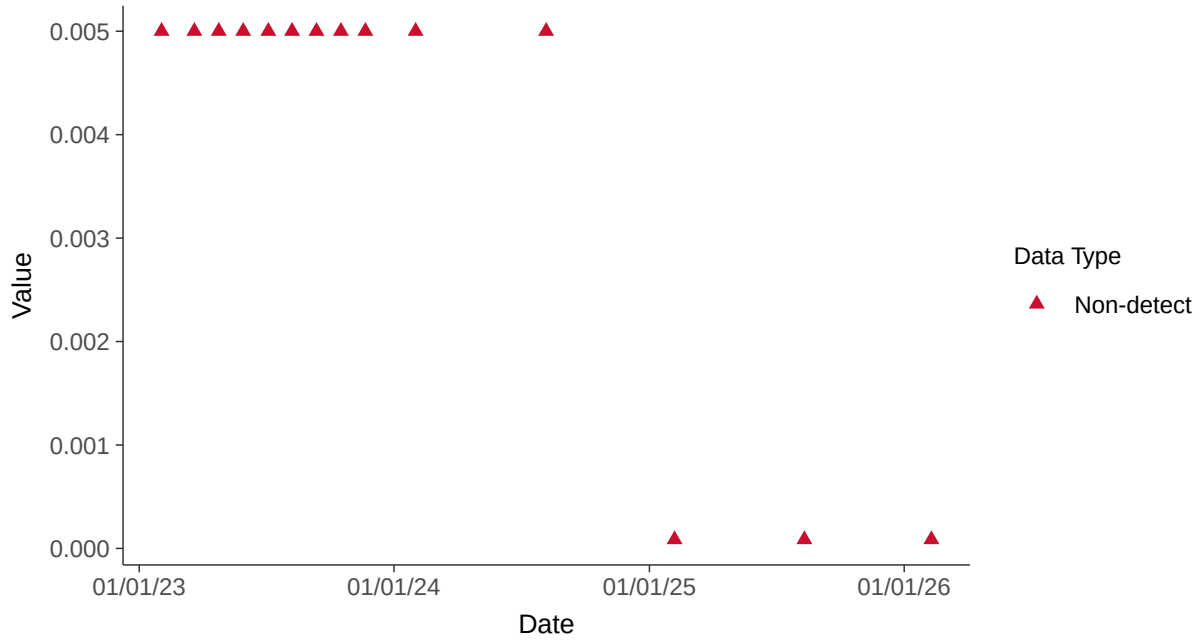


Appendix IV: Cobalt, MW-16B

ID: 24_3_110

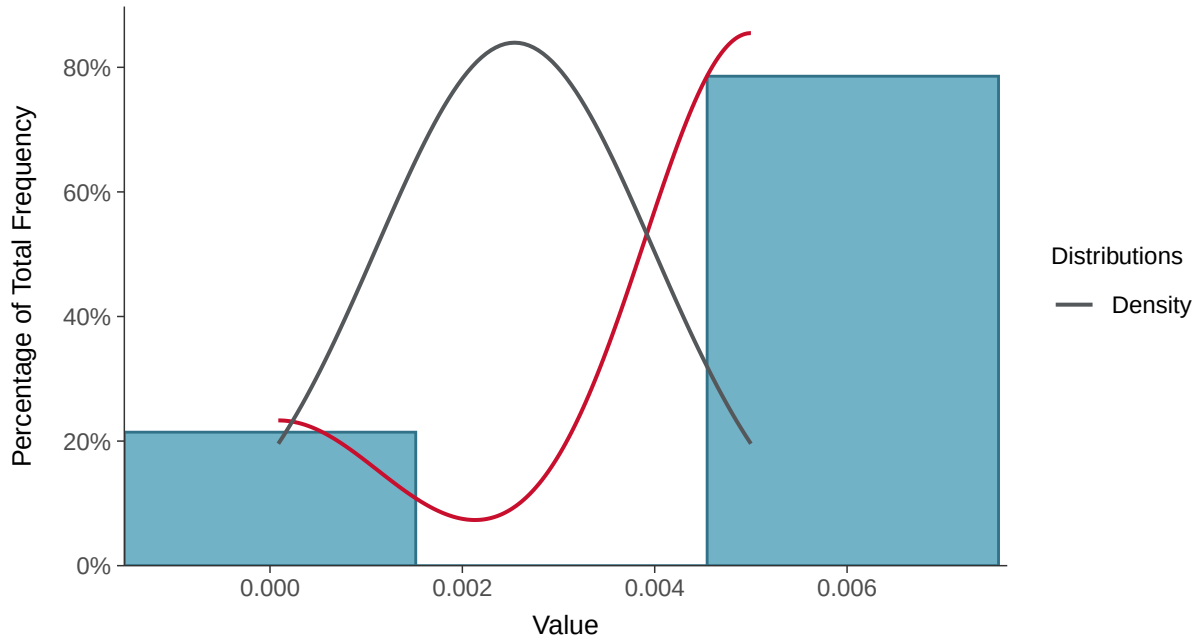
Scatter Plot

Cobalt, MW-16B (mg/l)



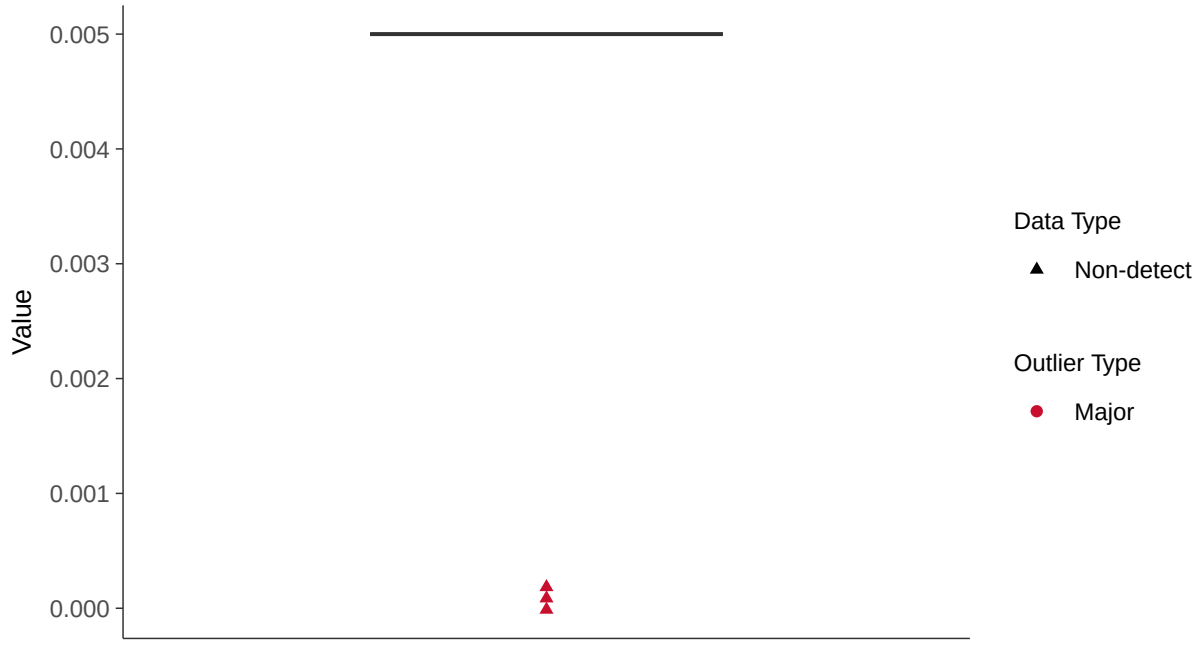
Histogram

Cobalt, MW-16B (mg/l)



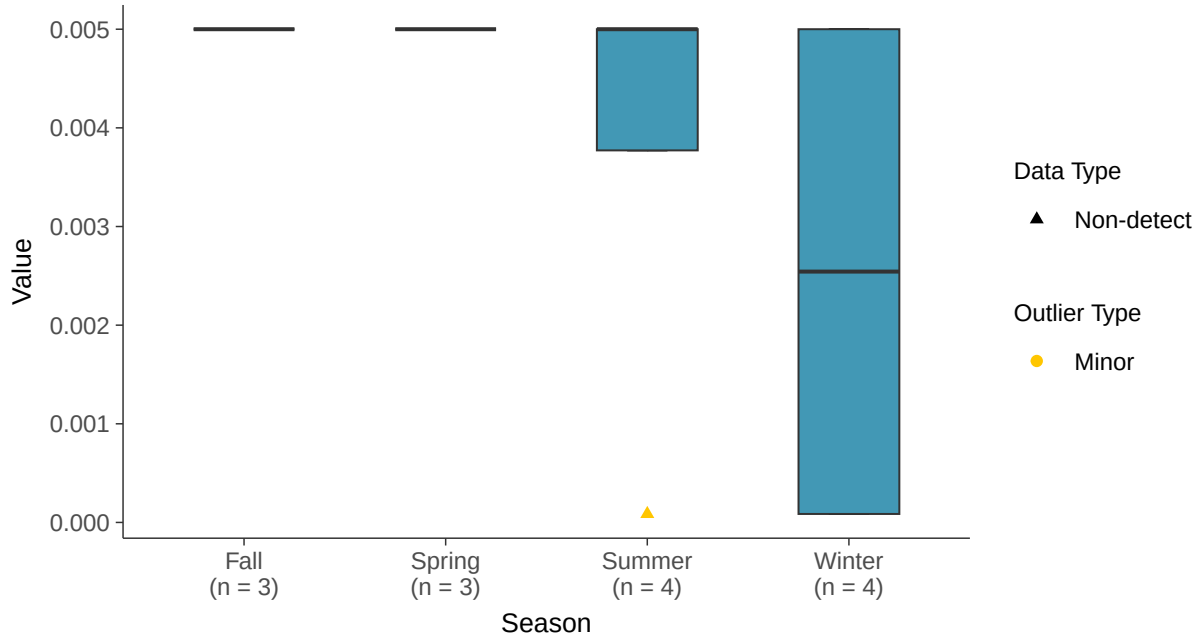
Boxplot

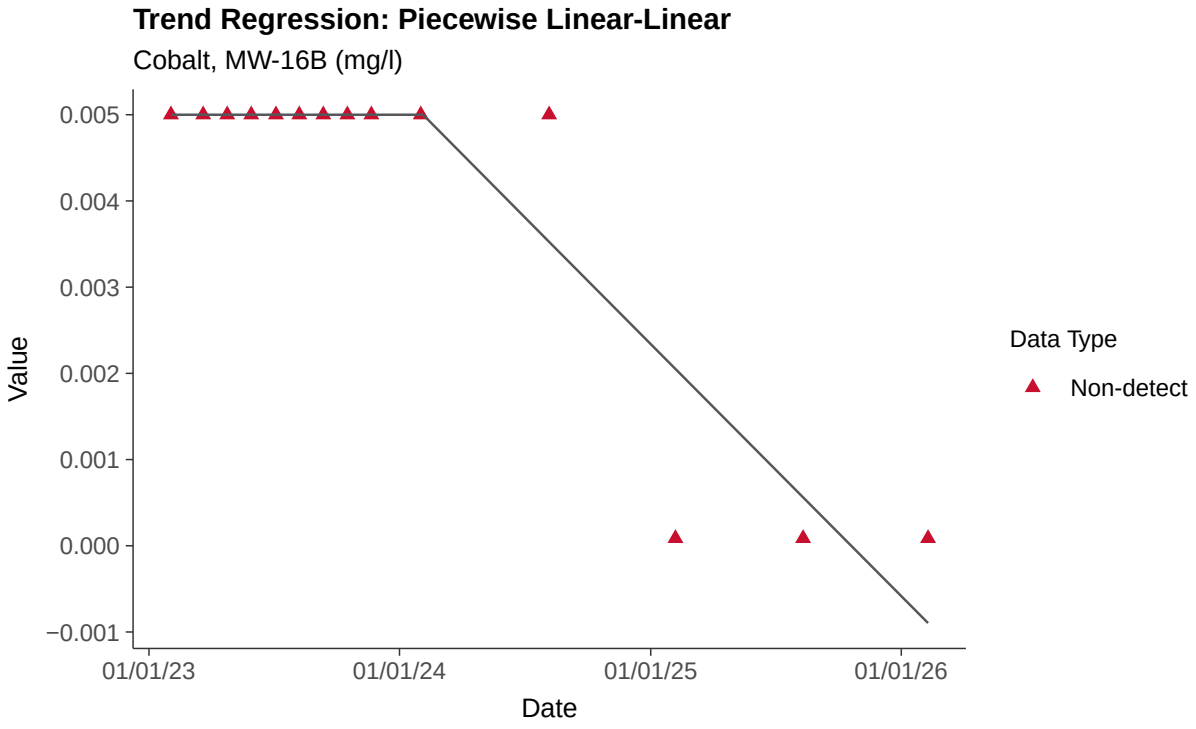
Cobalt, MW-16B (mg/l)



Boxplot by Season

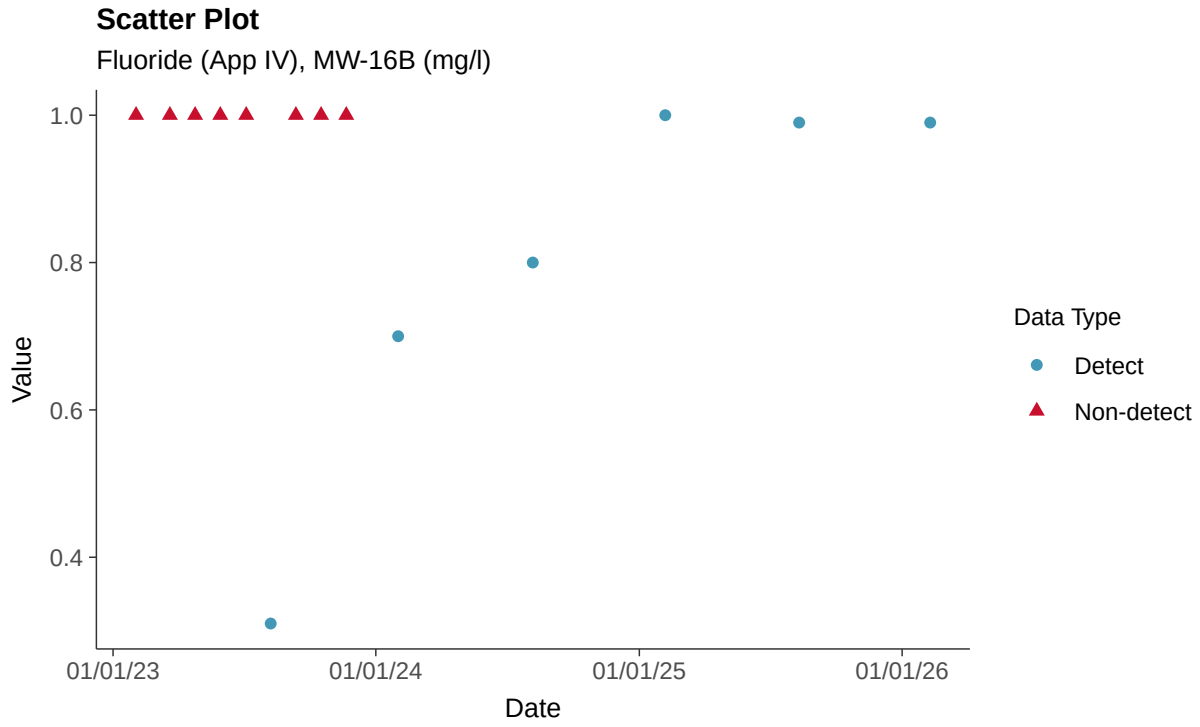
Cobalt, MW-16B (mg/l)

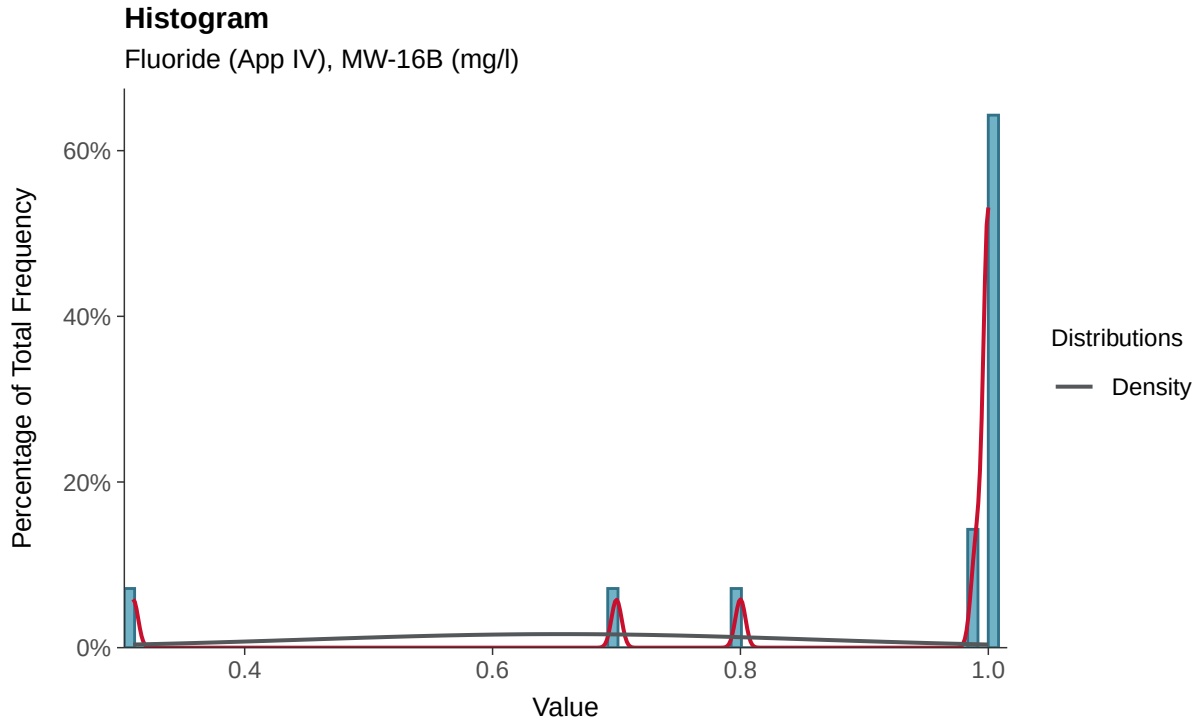



Trend Regression: Piecewise Linear-Linear
Cobalt, MW-16B (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
−0.001
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Fluoride (App IV), MW-16B

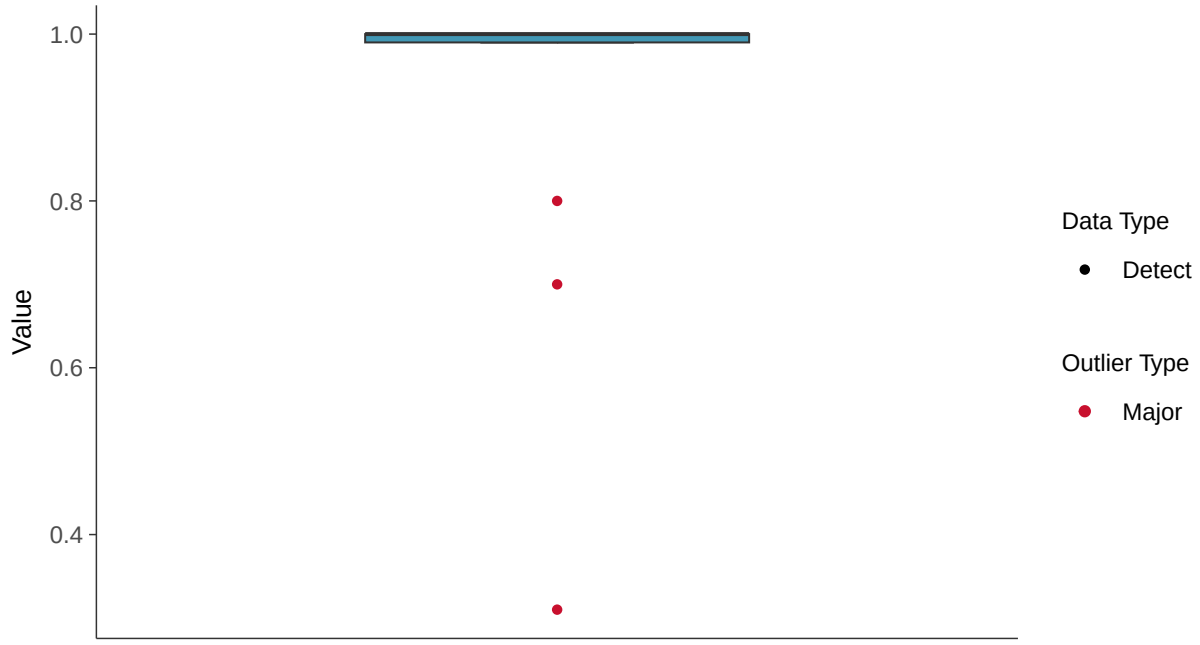
ID: 24_3_113





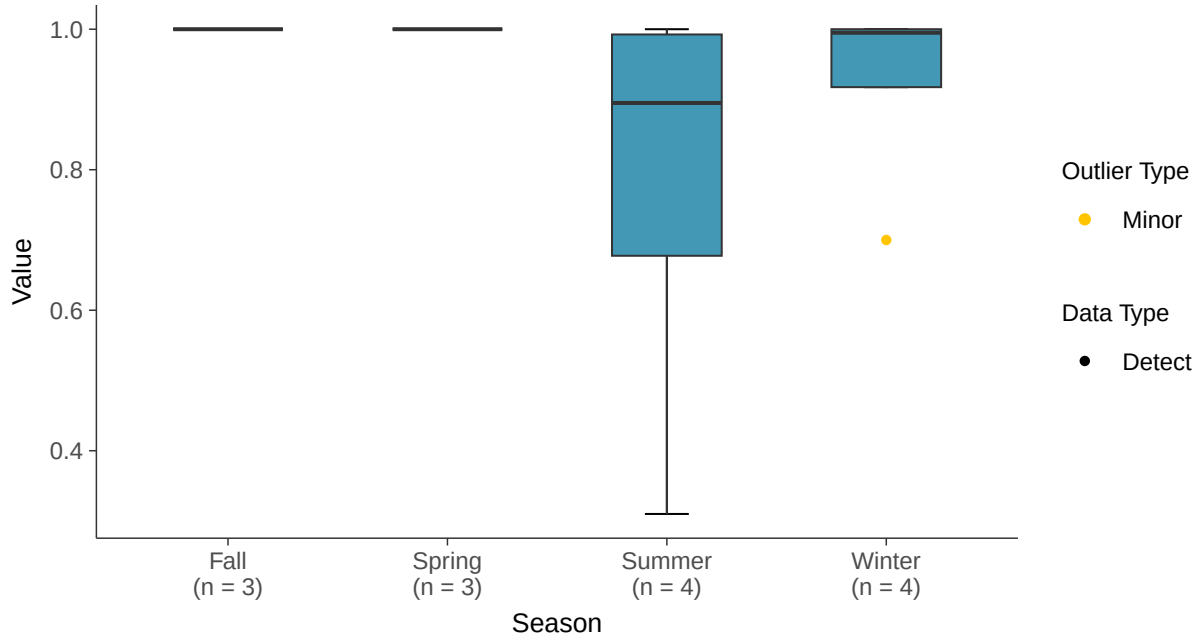
Boxplot

Fluoride (App IV), MW-16B (mg/l)



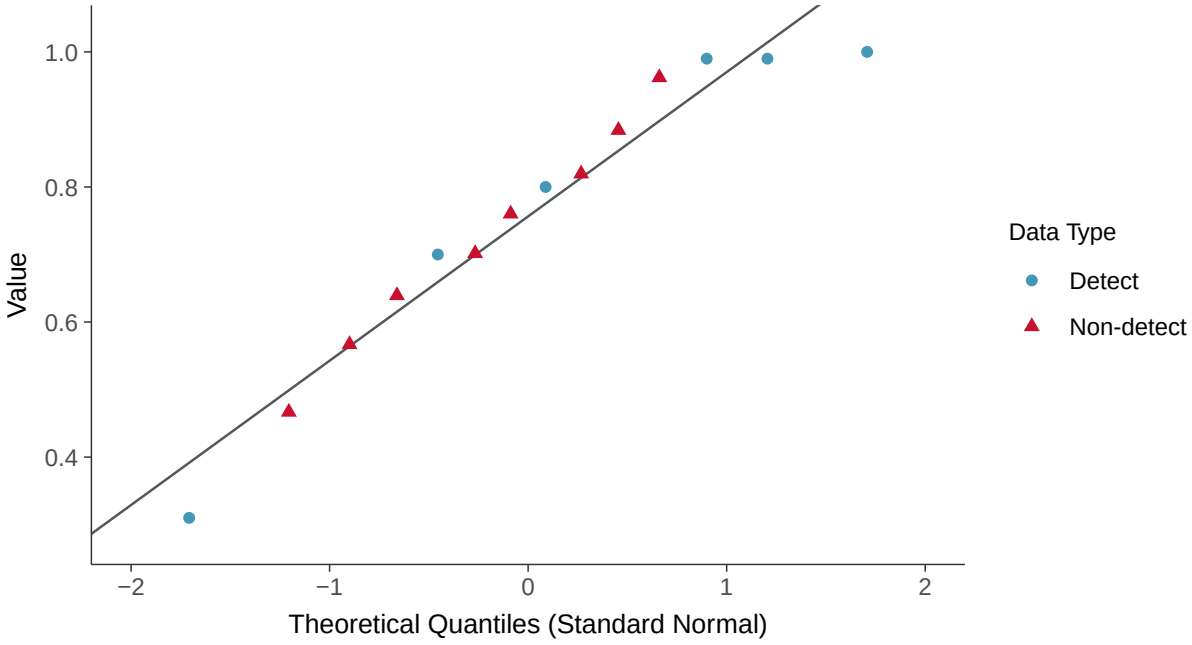
Boxplot by Season

Fluoride (App IV), MW-16B (mg/l)



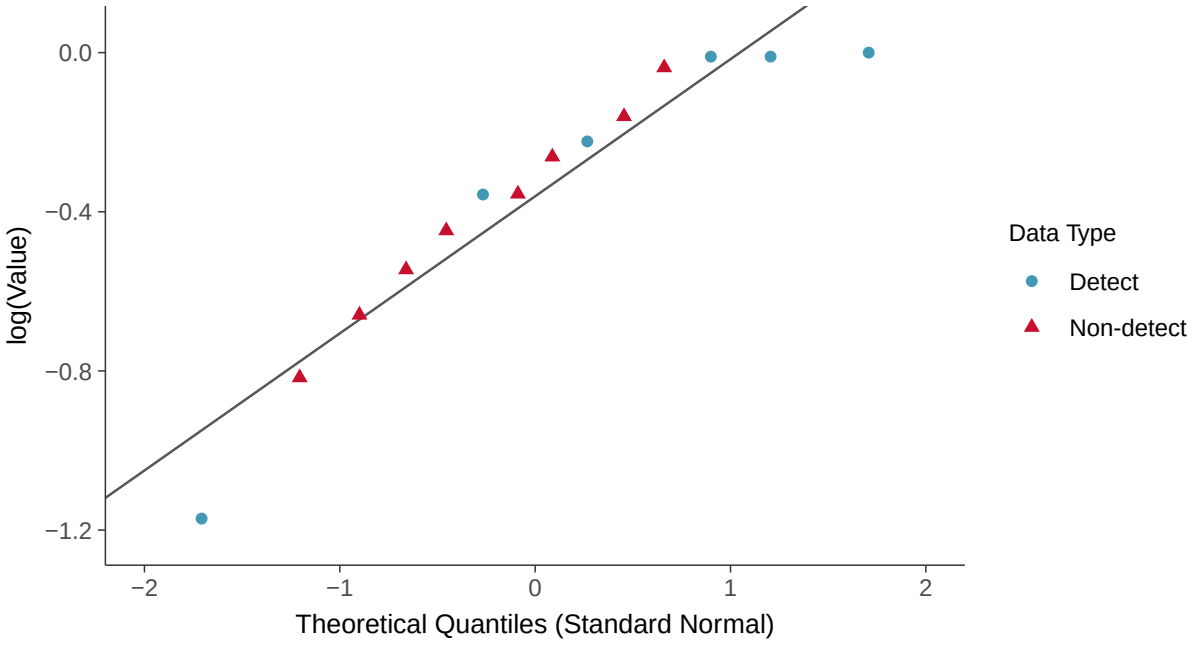
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-16B (mg/l)



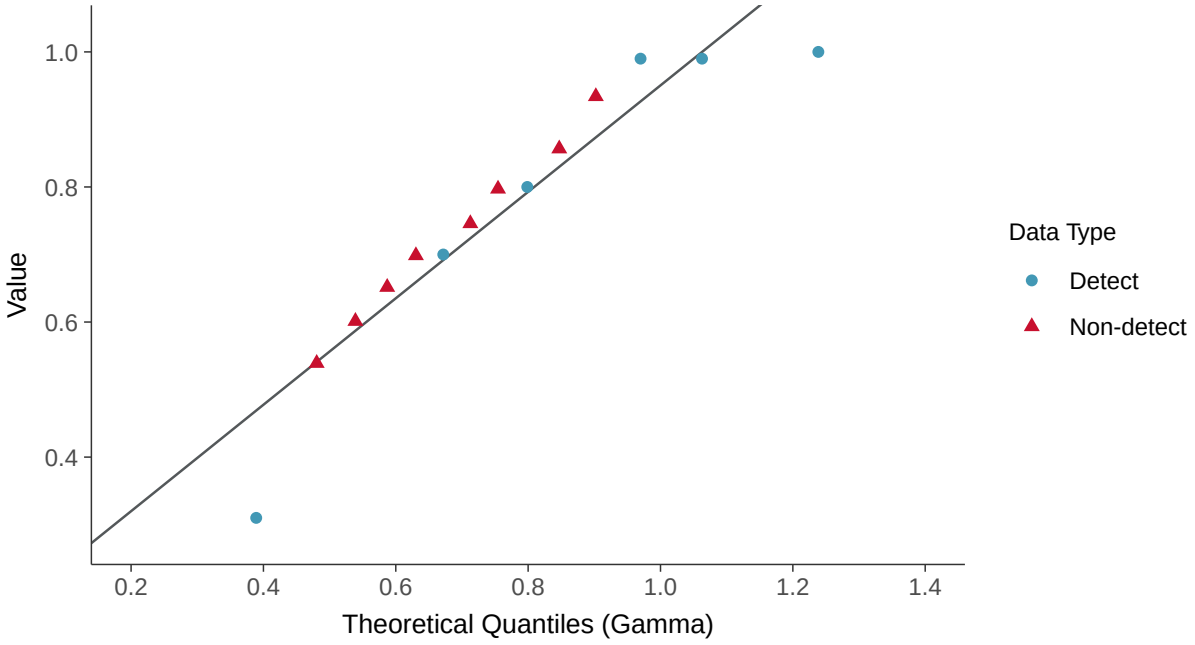
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-16B (mg/l)



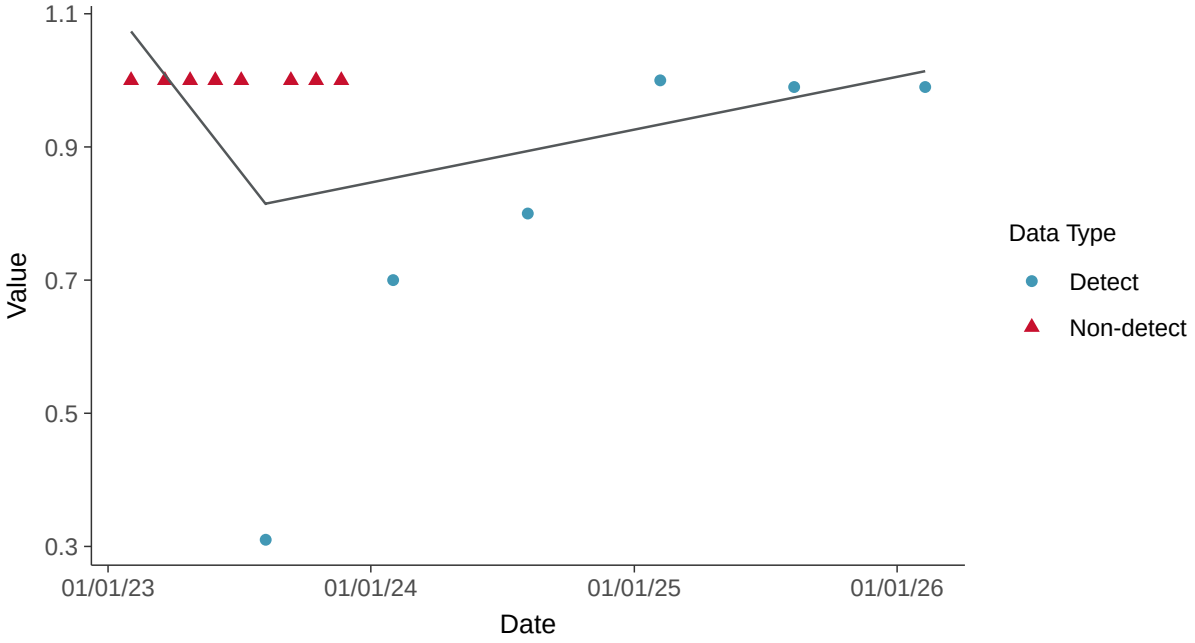
Gamma Q-Q plot using ROS Imputed Estimates

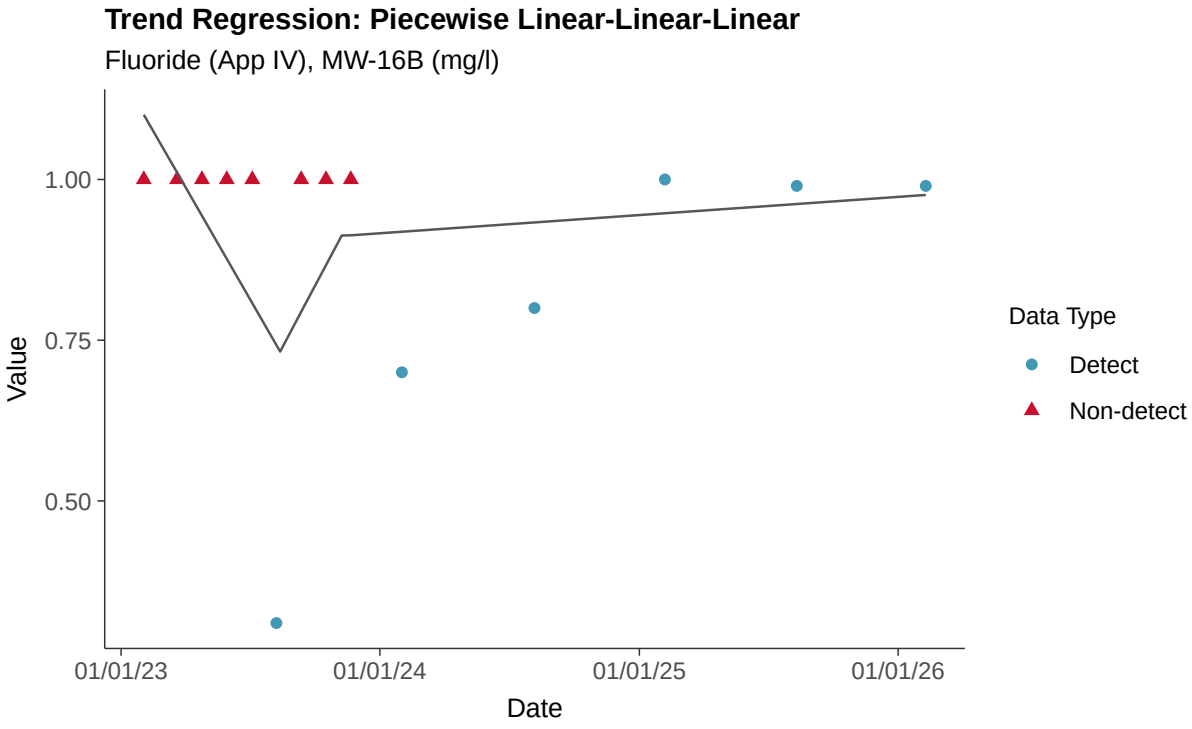
Fluoride (App IV), MW-16B (mg/l)



Trend Regression: Piecewise Linear-Linear

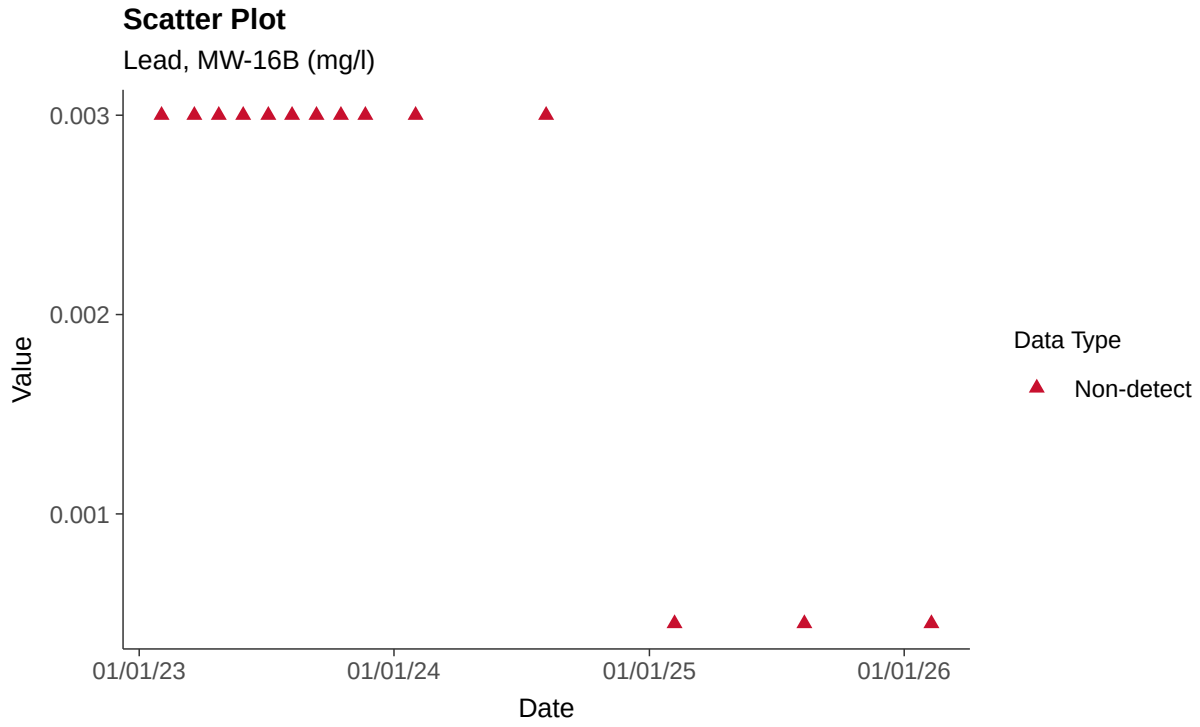
Fluoride (App IV), MW-16B (mg/l)

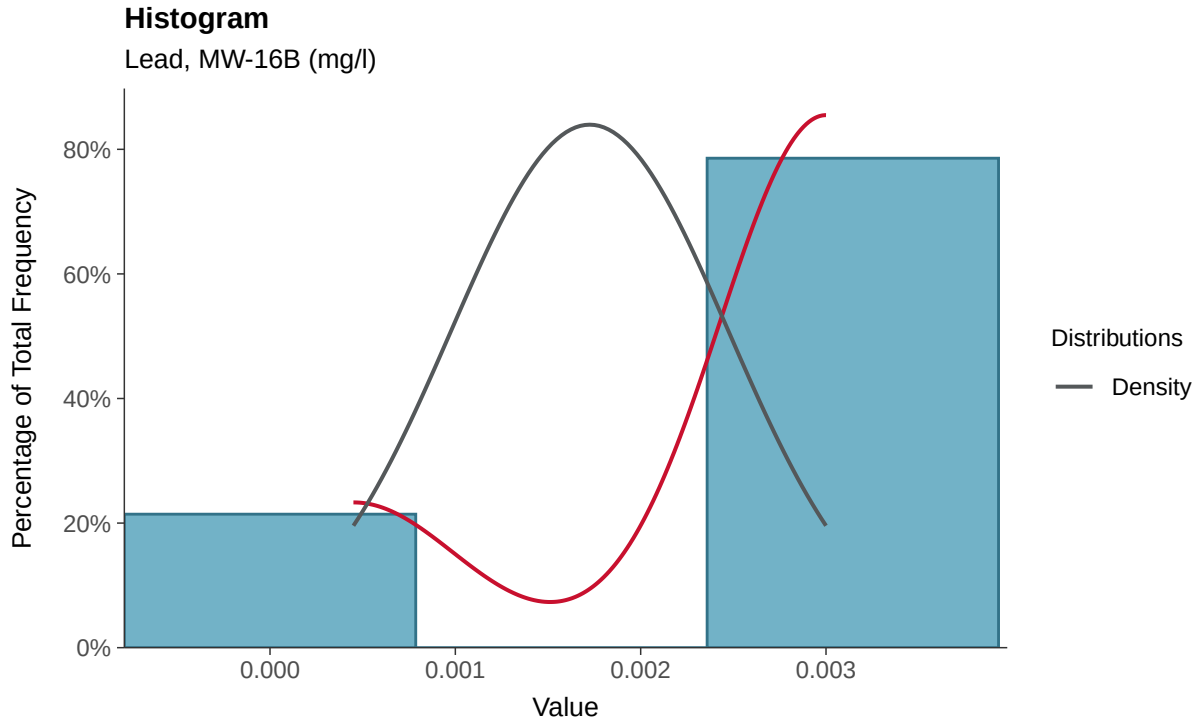



Trend Regression: Piecewise Linear-Linear-Linear
Fluoride (App IV), MW-16B (mg/l)
Value
1.00
0.75
0.50
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Lead, MW-16B

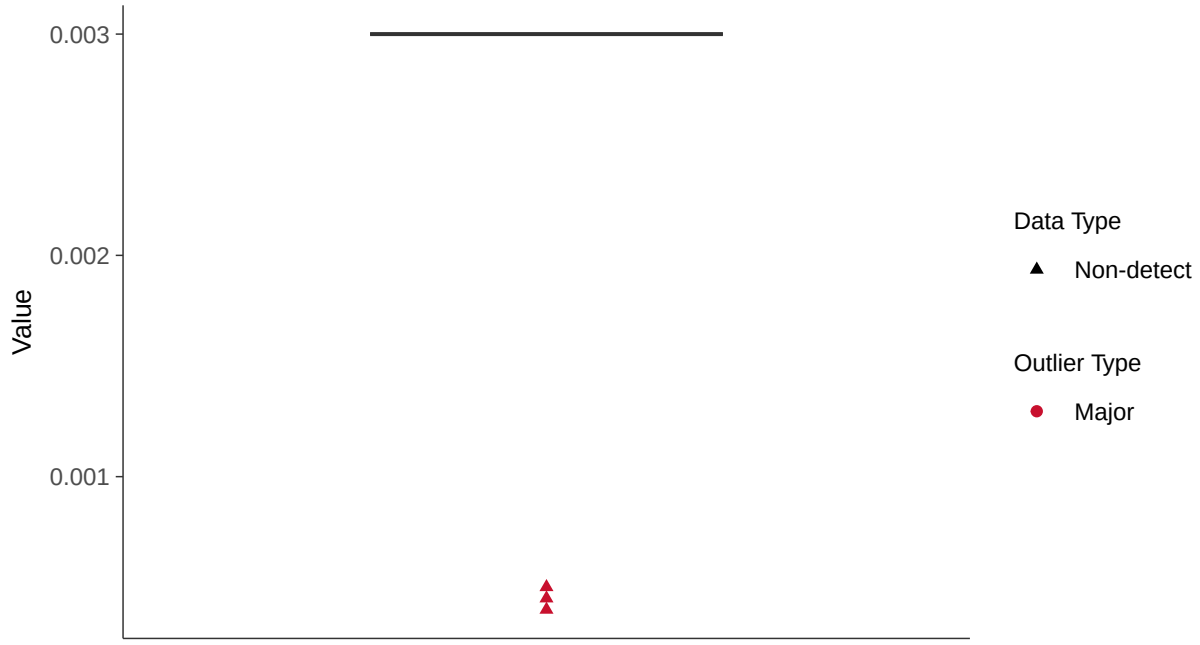
ID: 24_3_115





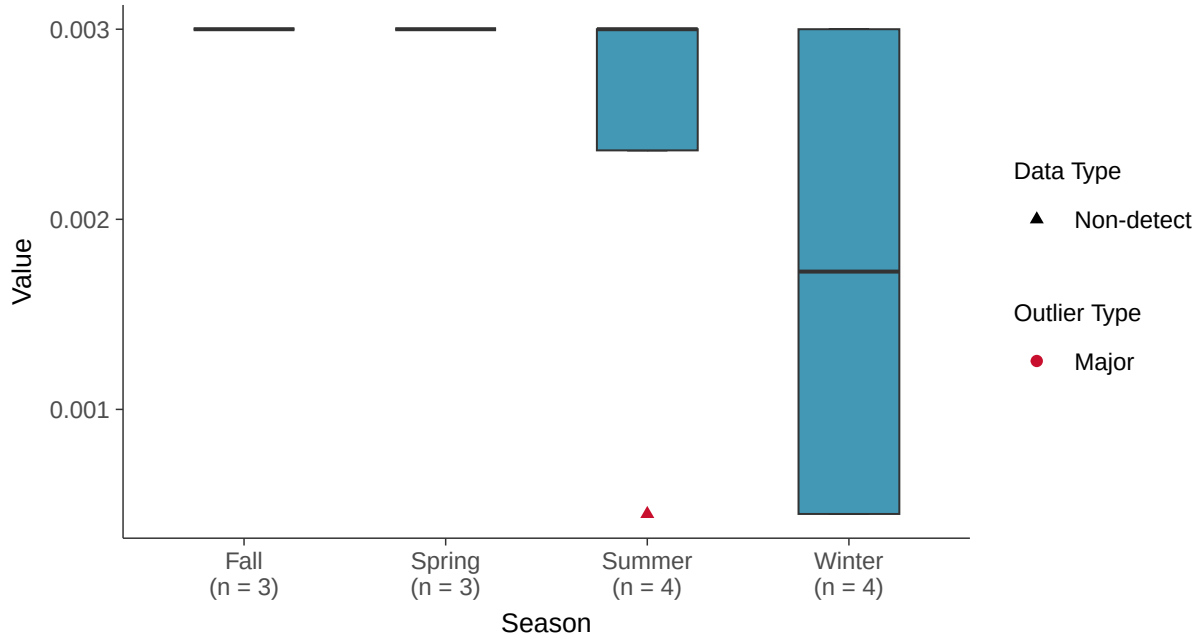
Boxplot

Lead, MW-16B (mg/l)



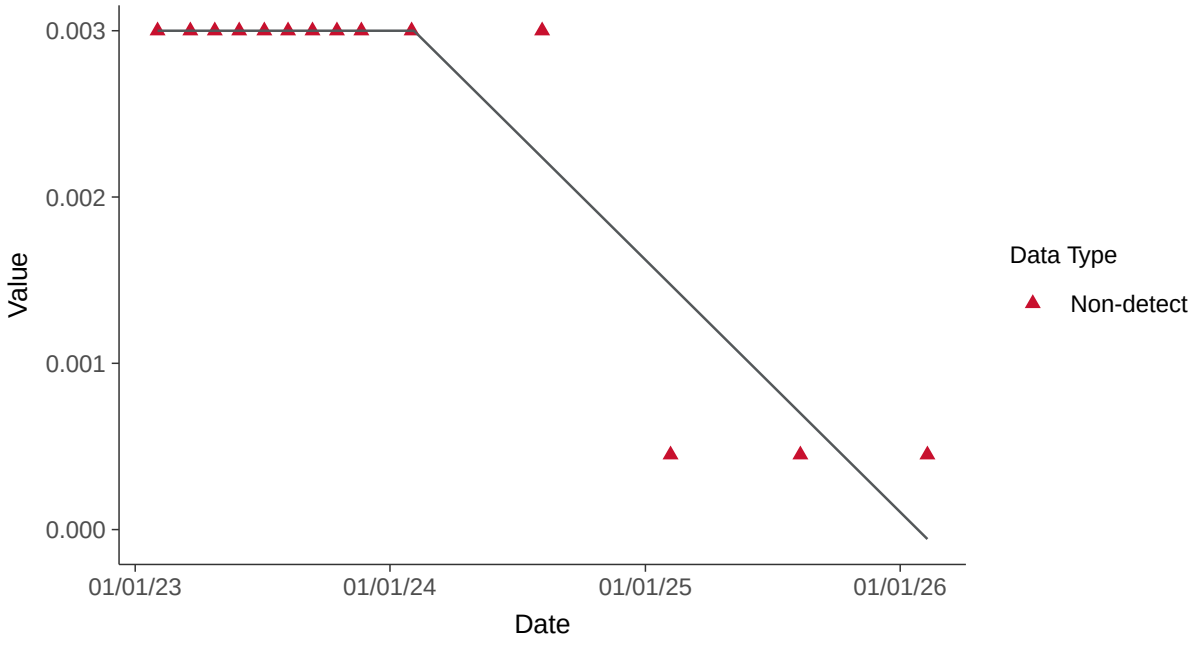
Boxplot by Season

Lead, MW-16B (mg/l)



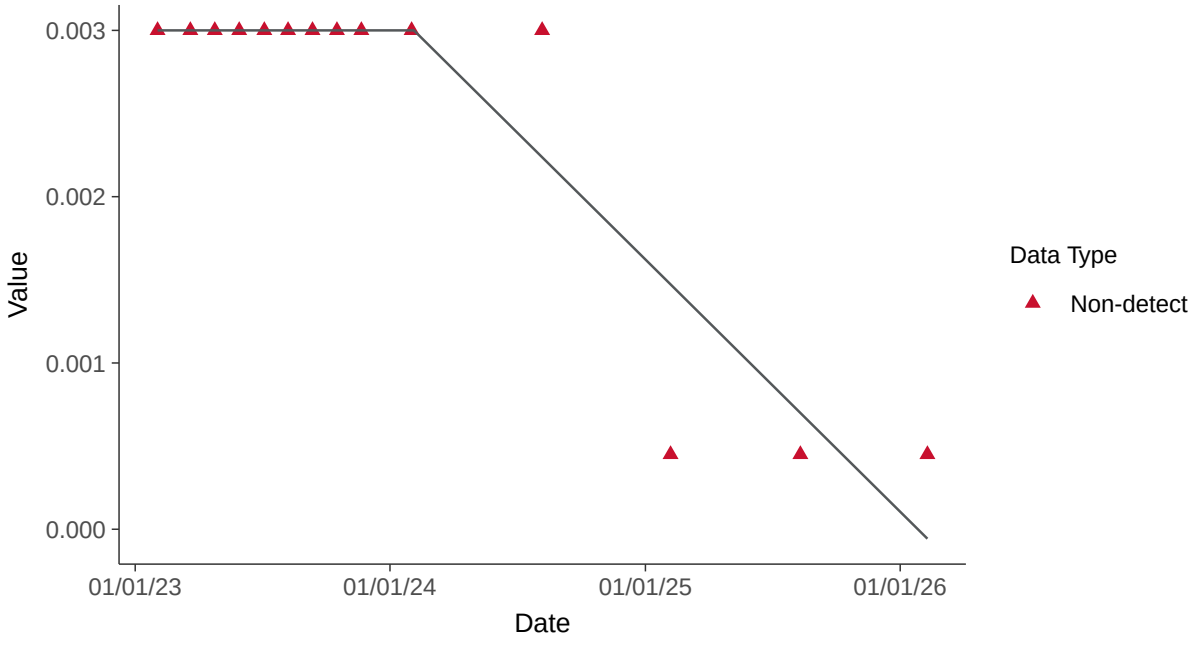
Trend Regression: Piecewise Linear-Linear

Lead, MW-16B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Lead, MW-16B (mg/l)

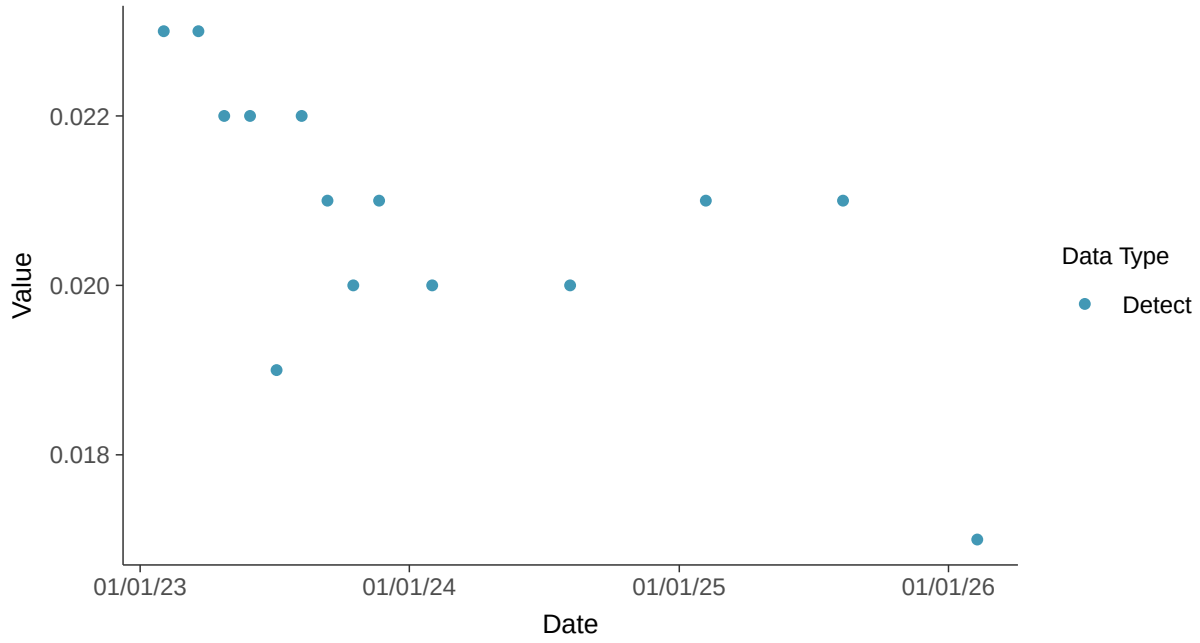


Appendix IV: Lithium, MW-16B

ID: 24_3_116

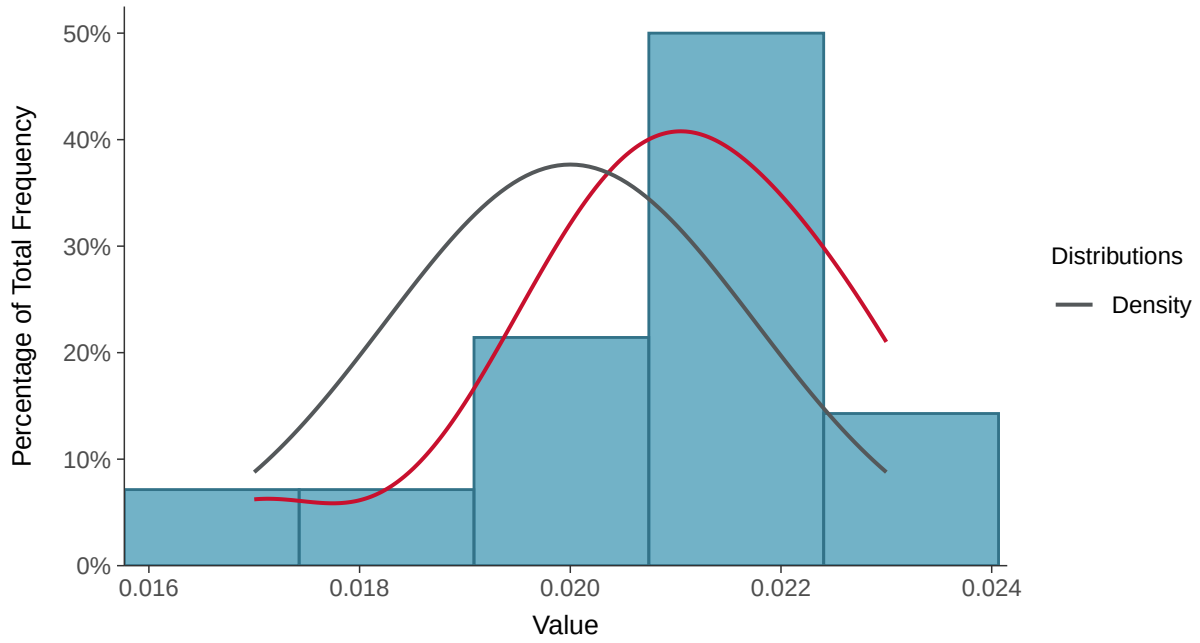
Scatter Plot

Lithium, MW-16B (mg/l)



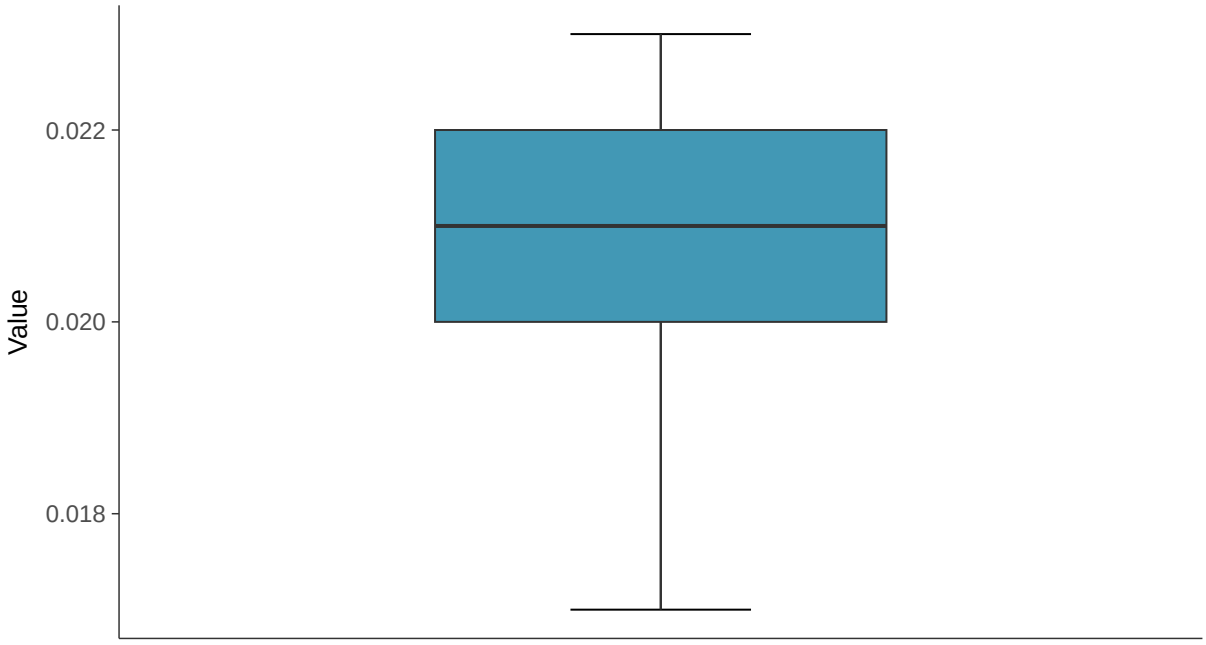
Histogram

Lithium, MW-16B (mg/l)



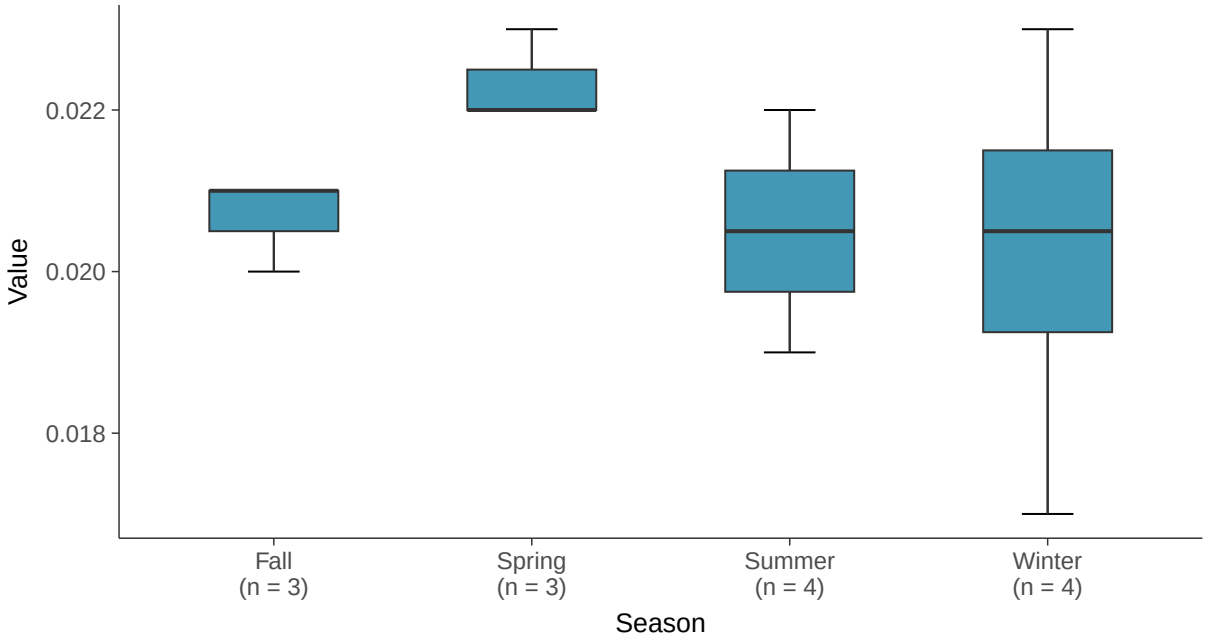
Boxplot

Lithium, MW-16B (mg/l)



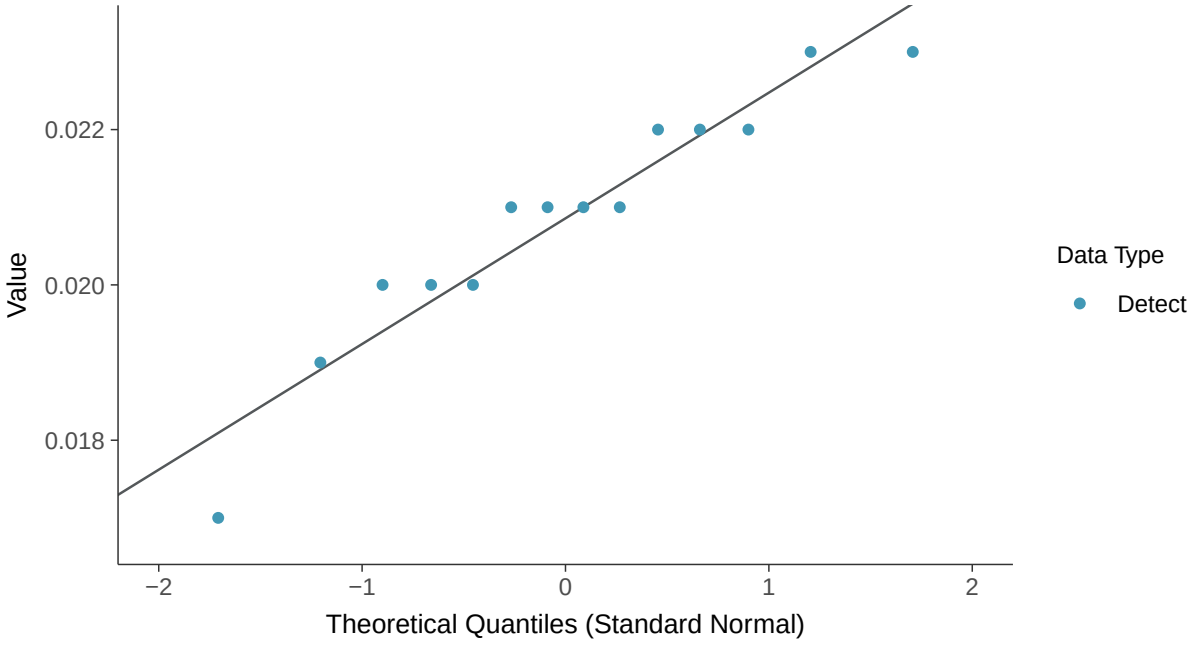
Boxplot by Season

Lithium, MW-16B (mg/l)



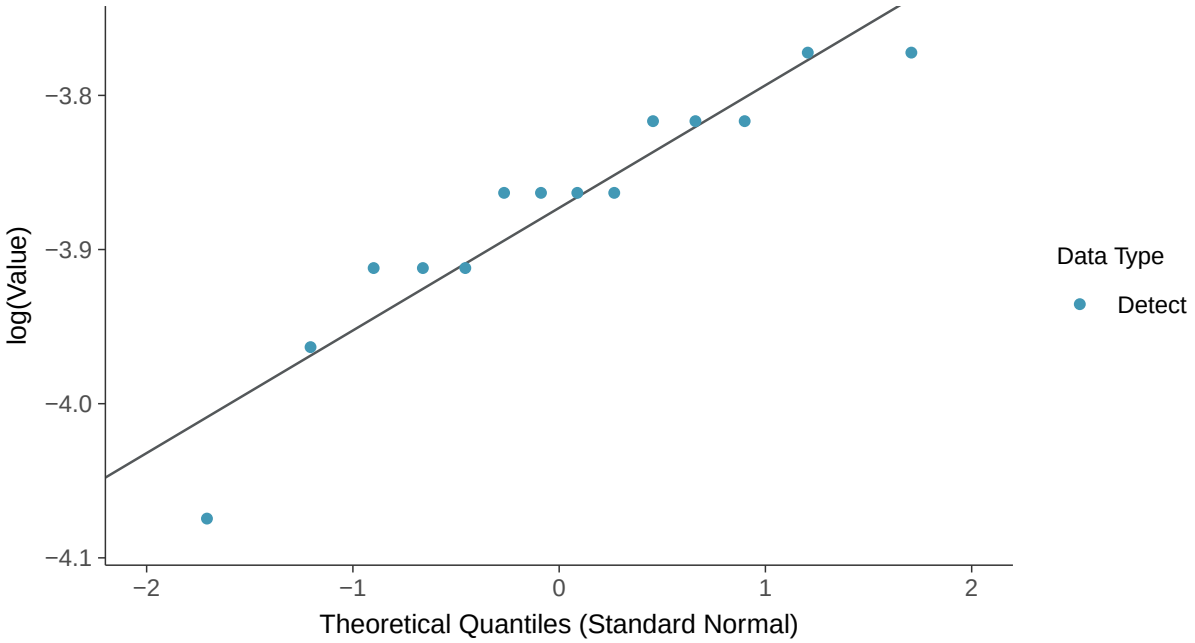
Normal Q-Q plot

Lithium, MW-16B (mg/l)



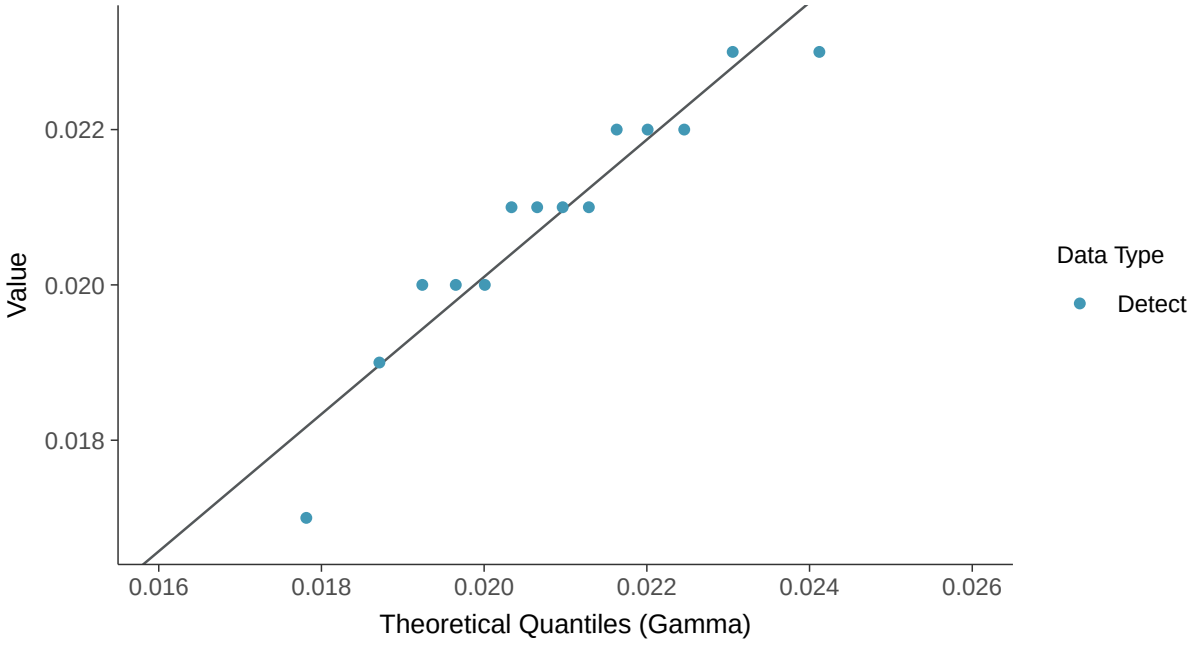
Lognormal Q-Q plot

Lithium, MW-16B (mg/l)



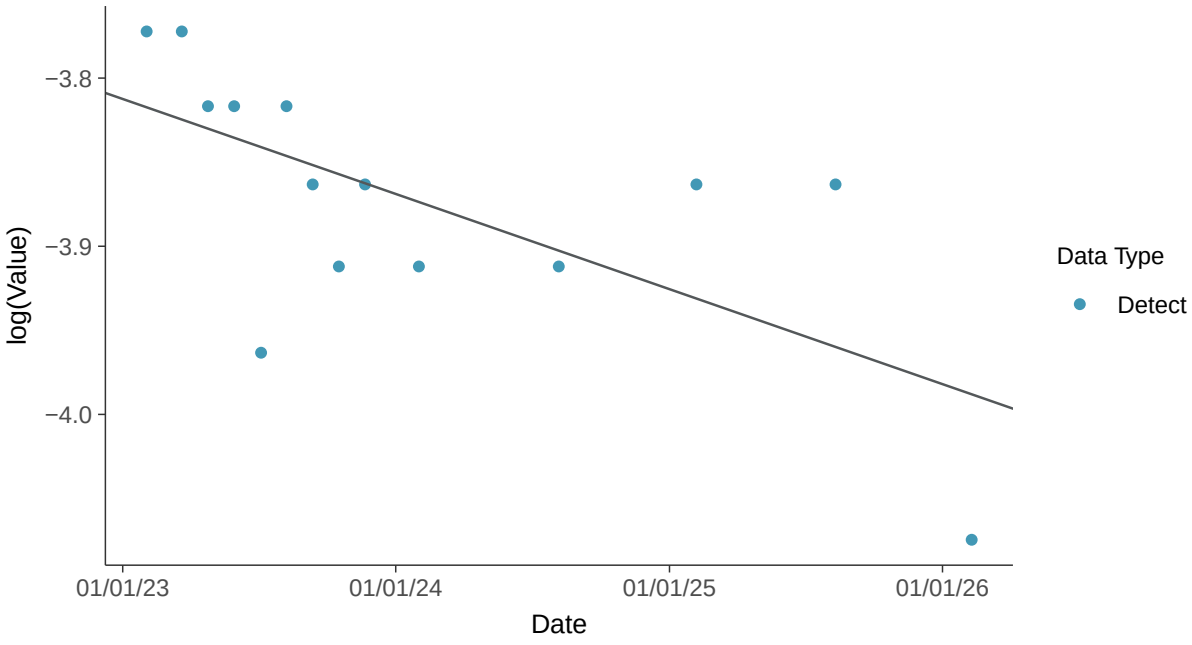
Gamma Q-Q plot

Lithium, MW-16B (mg/l)



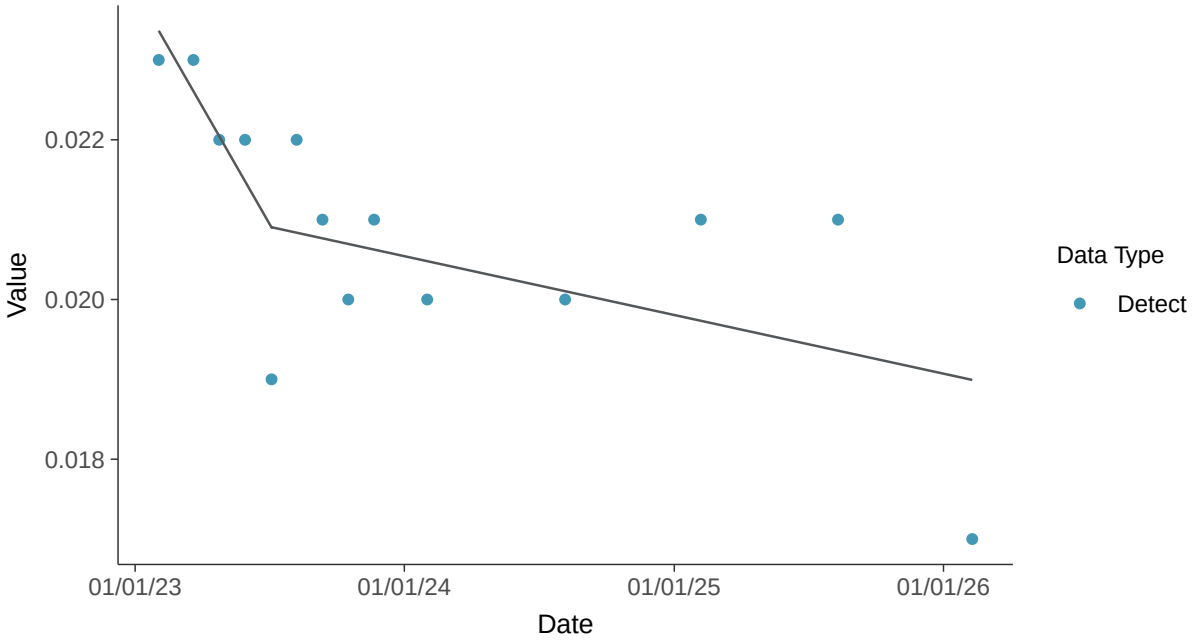
Trend Regression: Lognormal MLE

Lithium, MW-16B (mg/l)



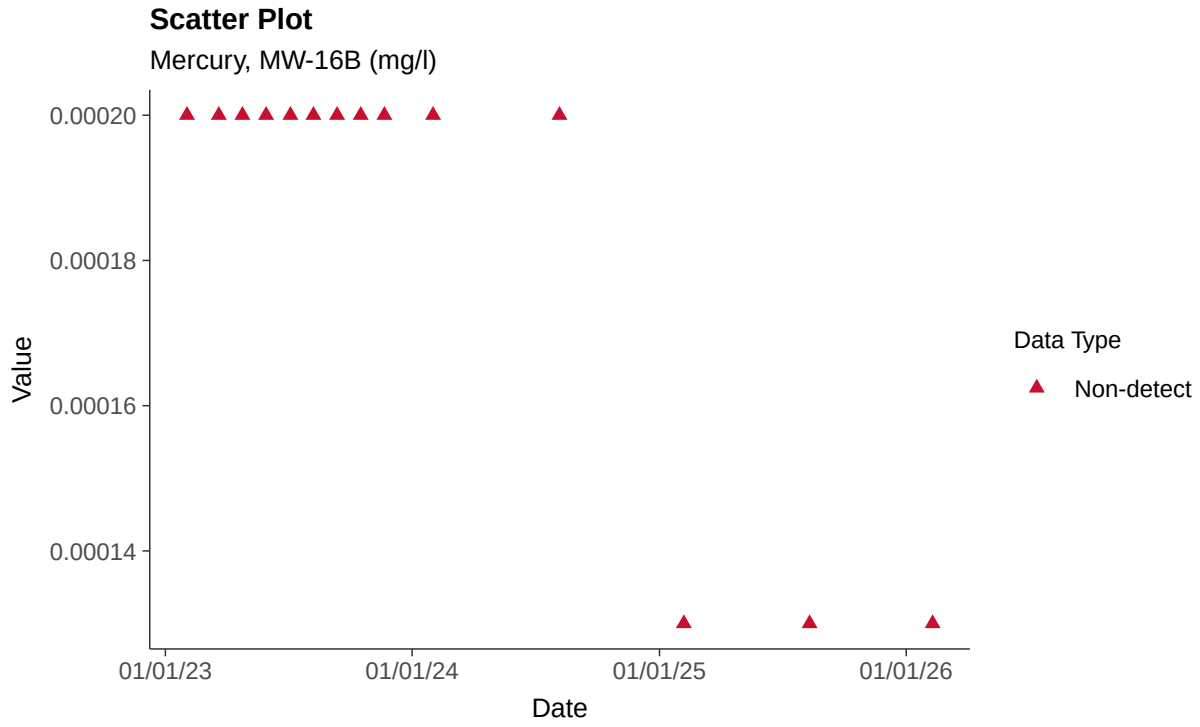
Trend Regression: Piecewise Linear-Linear

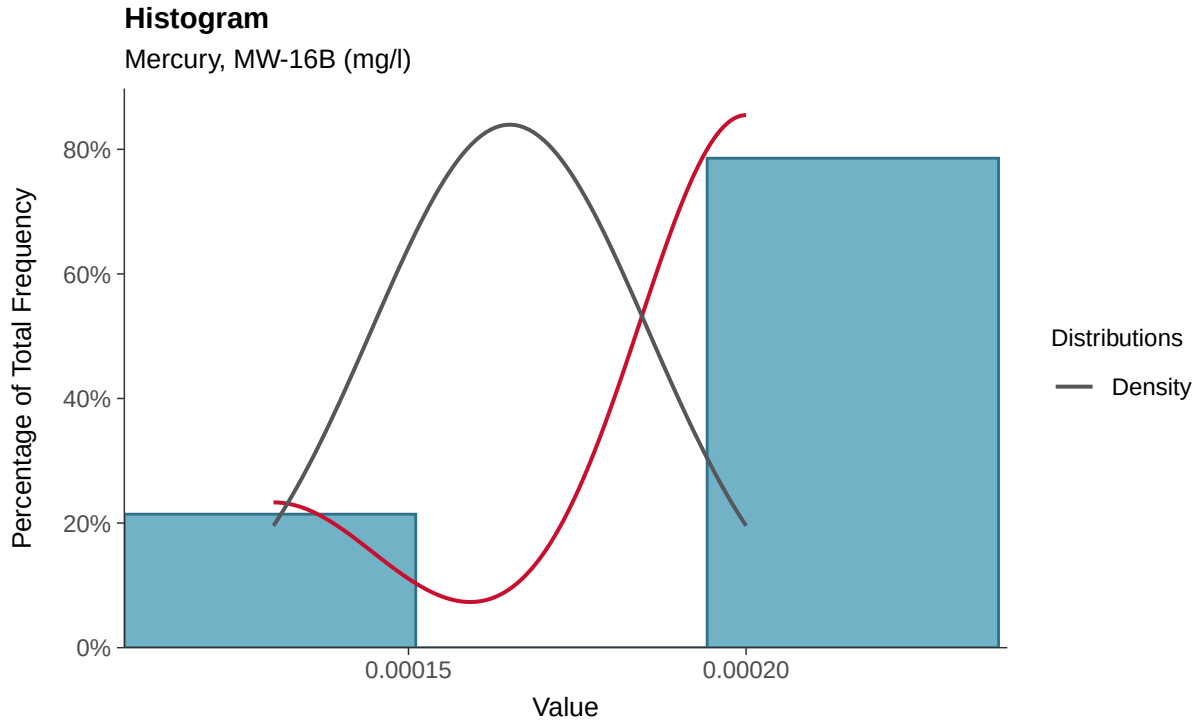
Lithium, MW-16B (mg/l)



Appendix IV: Mercury, MW-16B

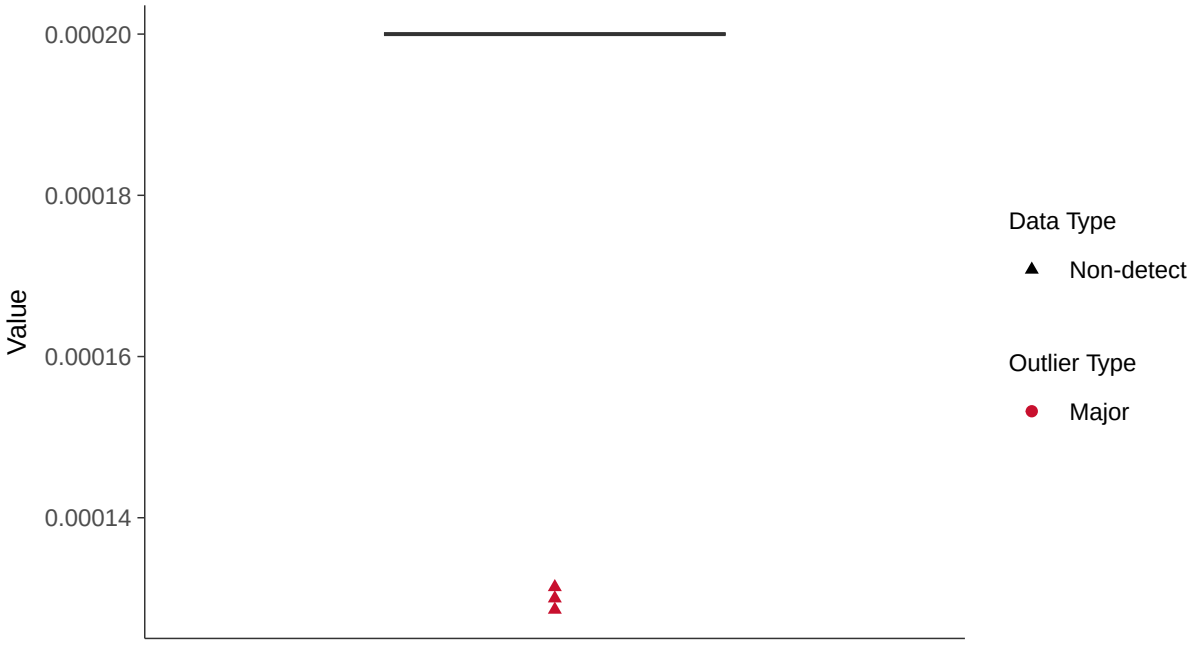
ID: 24_3_117





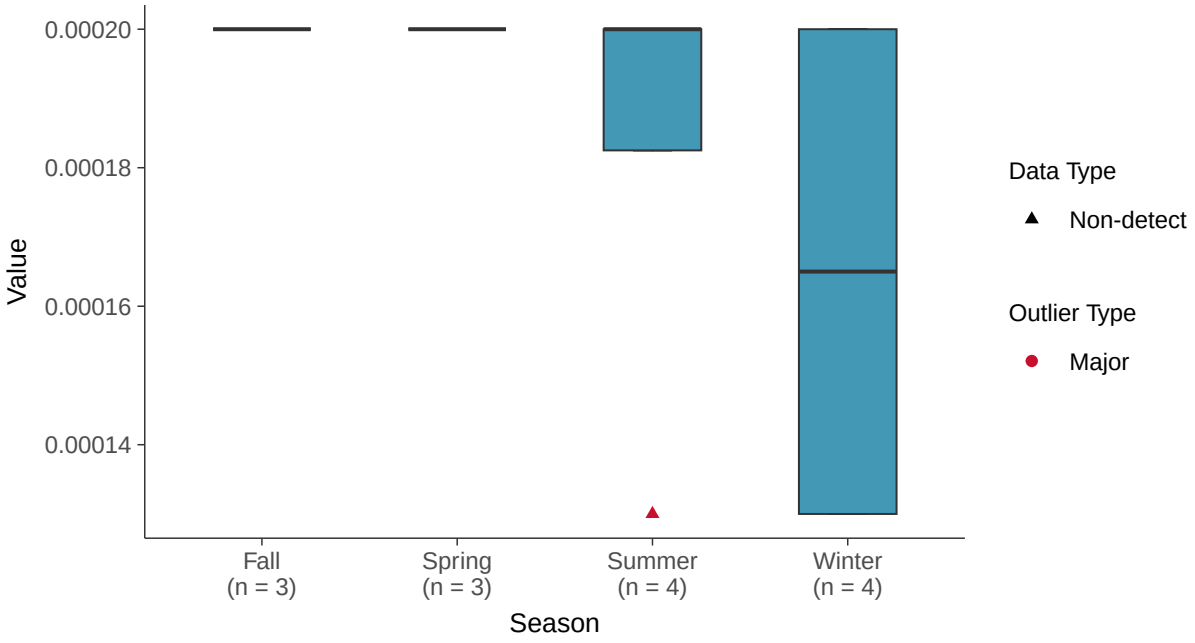
Boxplot

Mercury, MW-16B (mg/l)



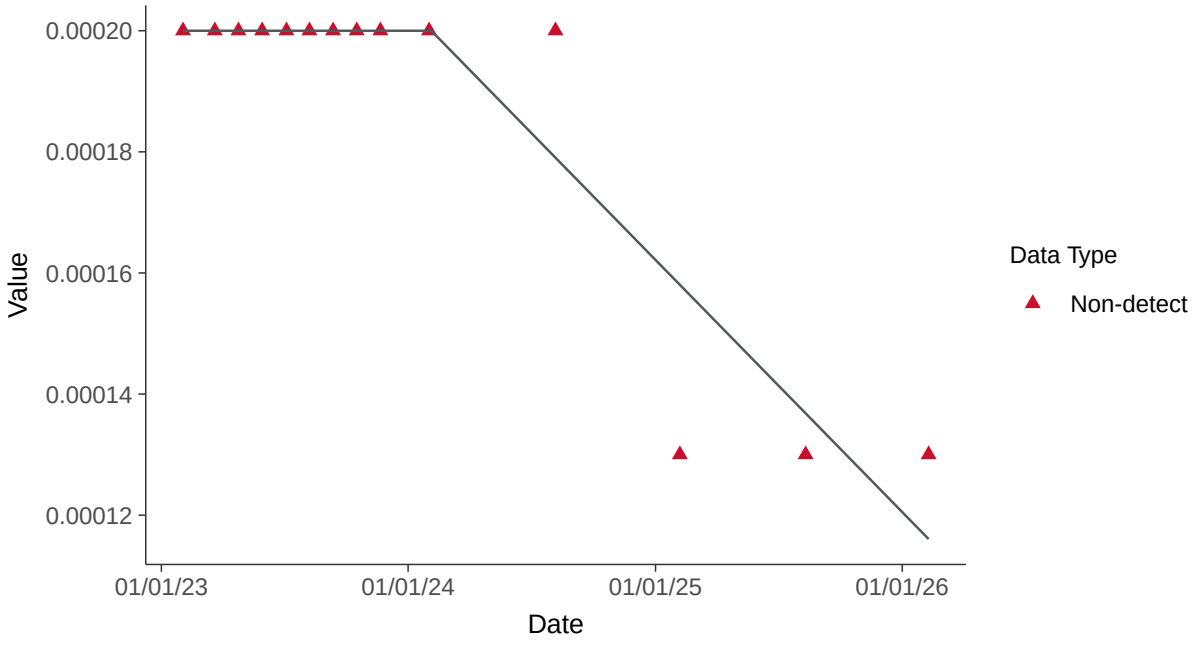
Boxplot by Season

Mercury, MW-16B (mg/l)



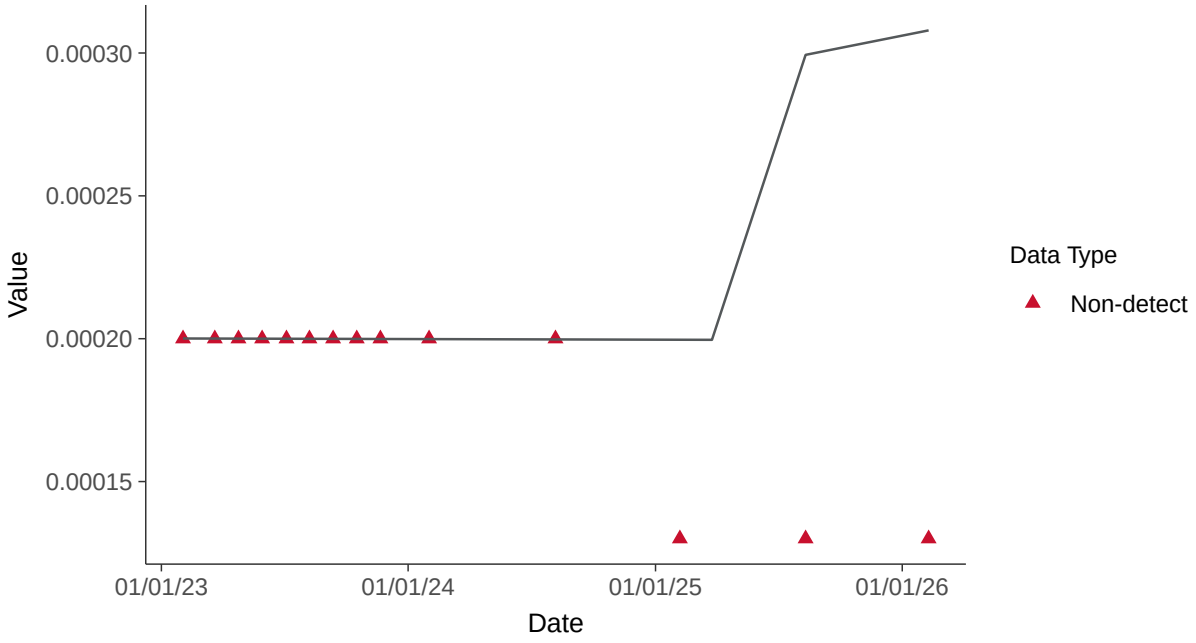
Trend Regression: Piecewise Linear-Linear

Mercury, MW-16B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Mercury, MW-16B (mg/l)

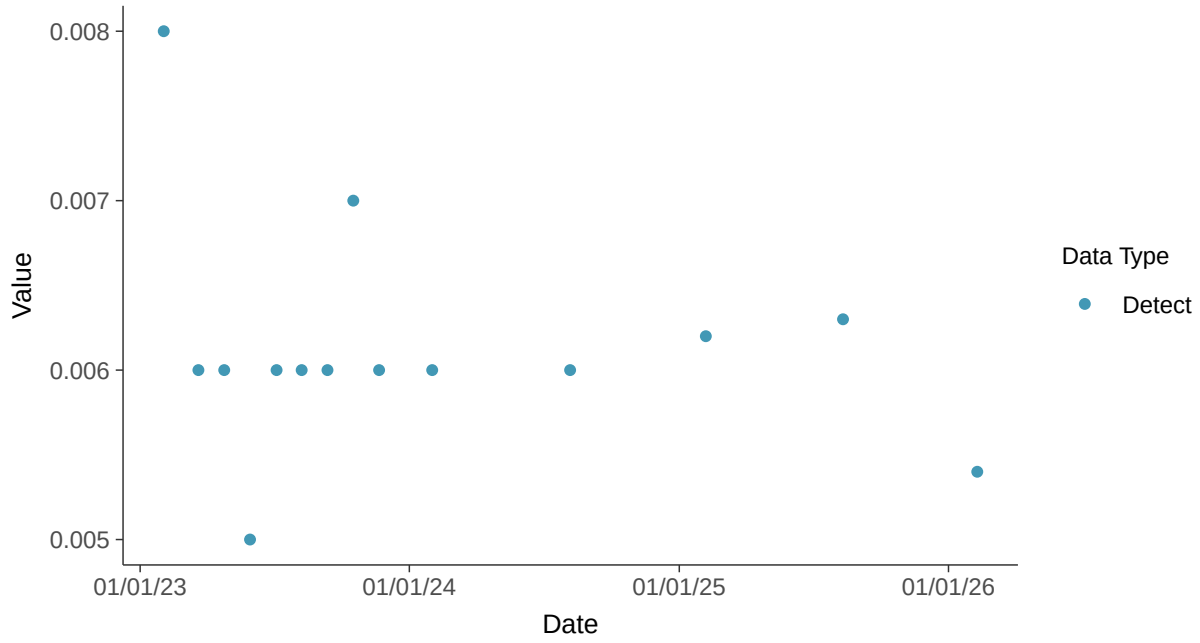


Appendix IV: Molybdenum, MW-16B

ID: 24_3_118

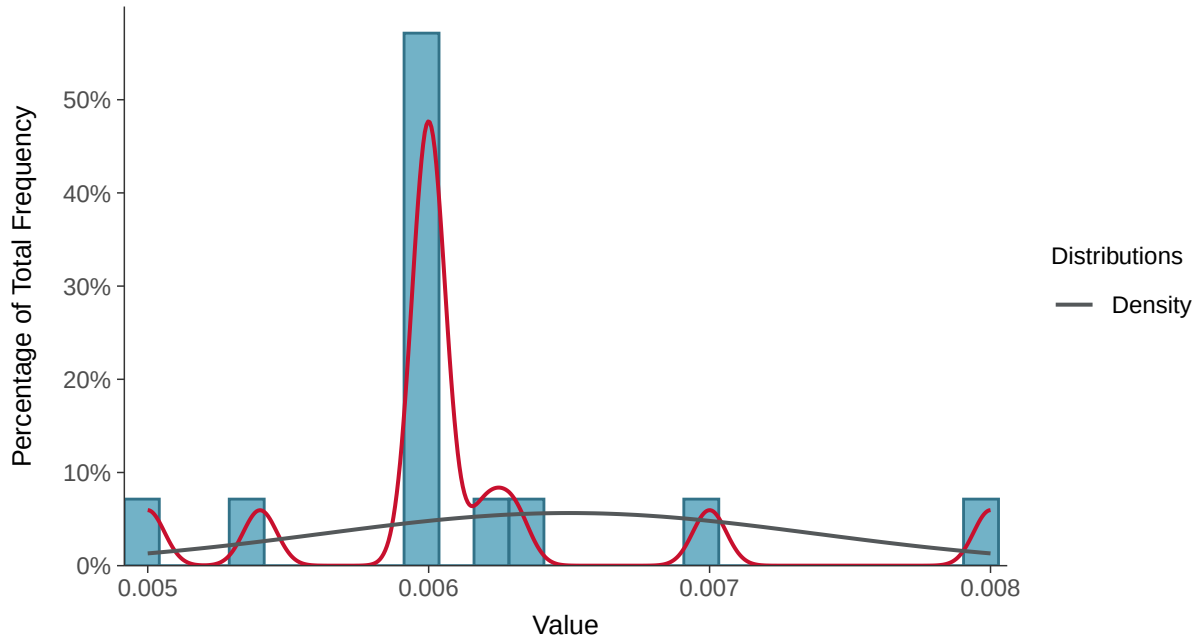
Scatter Plot

Molybdenum, MW-16B (mg/l)



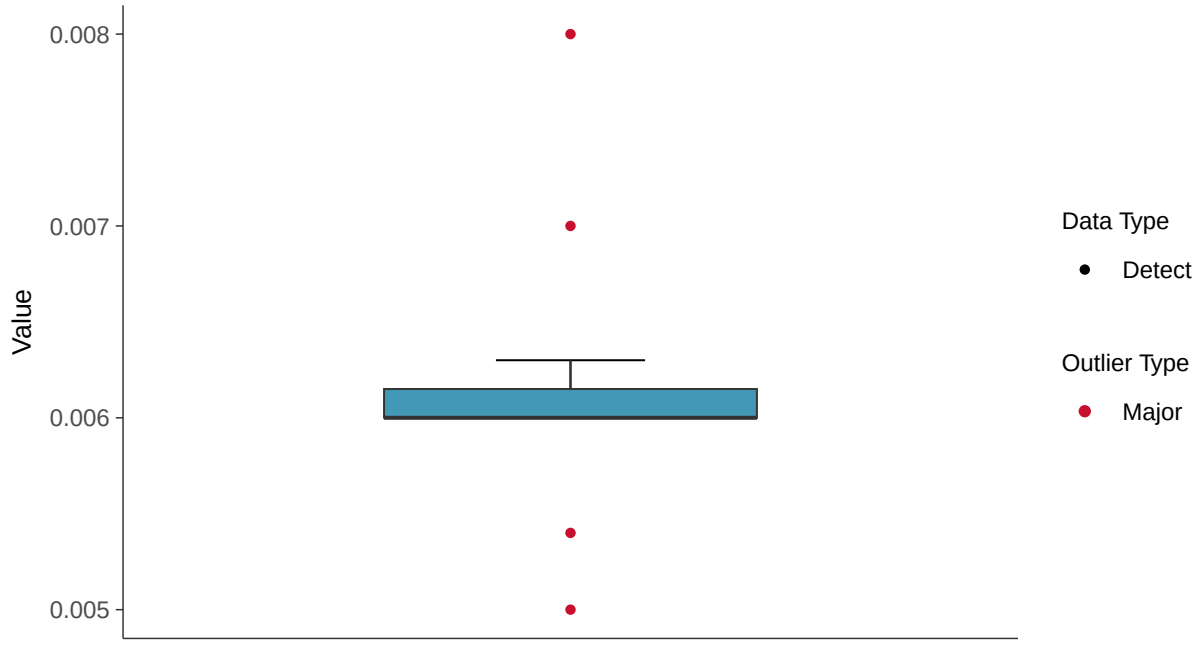
Histogram

Molybdenum, MW-16B (mg/l)



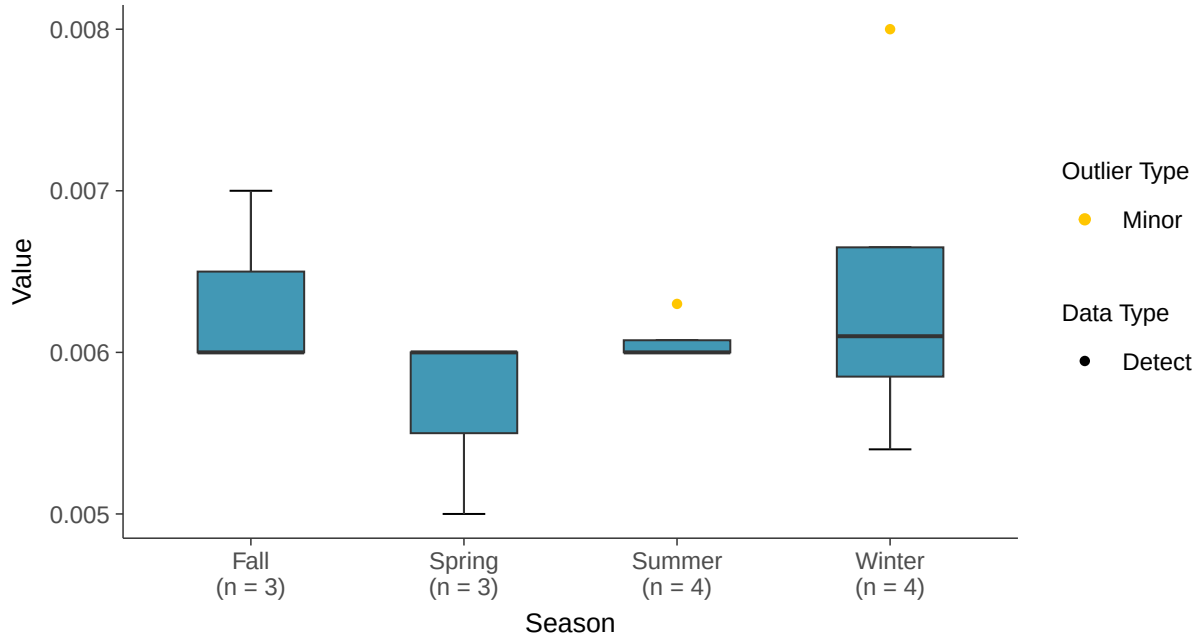
Boxplot

Molybdenum, MW-16B (mg/l)



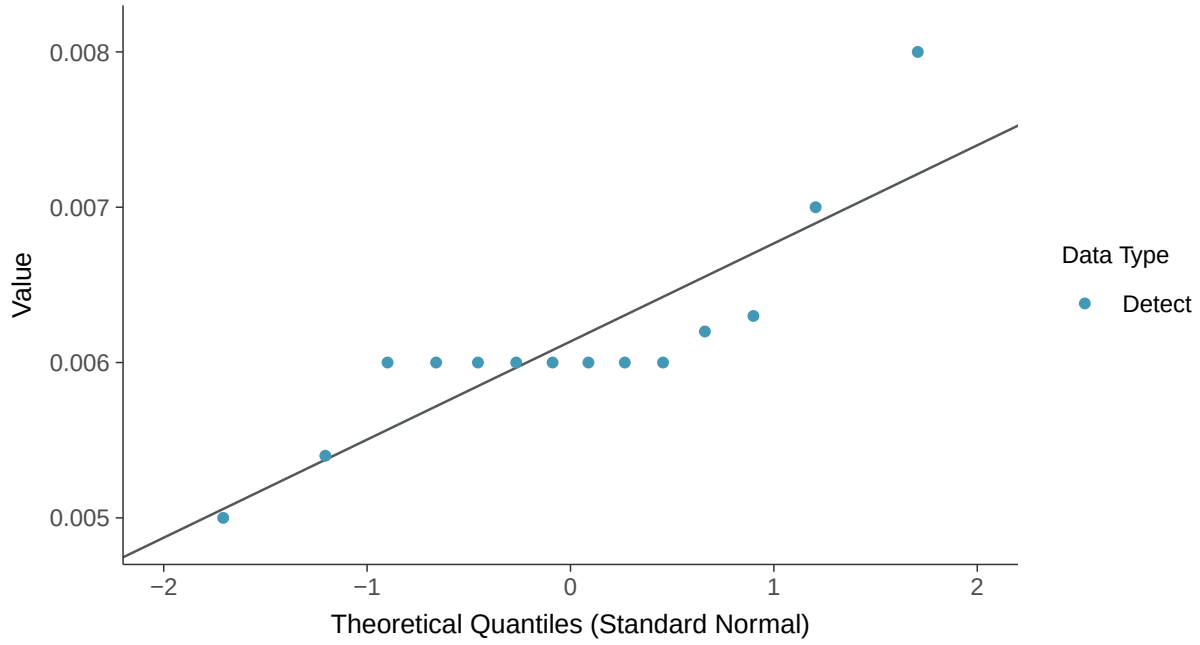
Boxplot by Season

Molybdenum, MW-16B (mg/l)



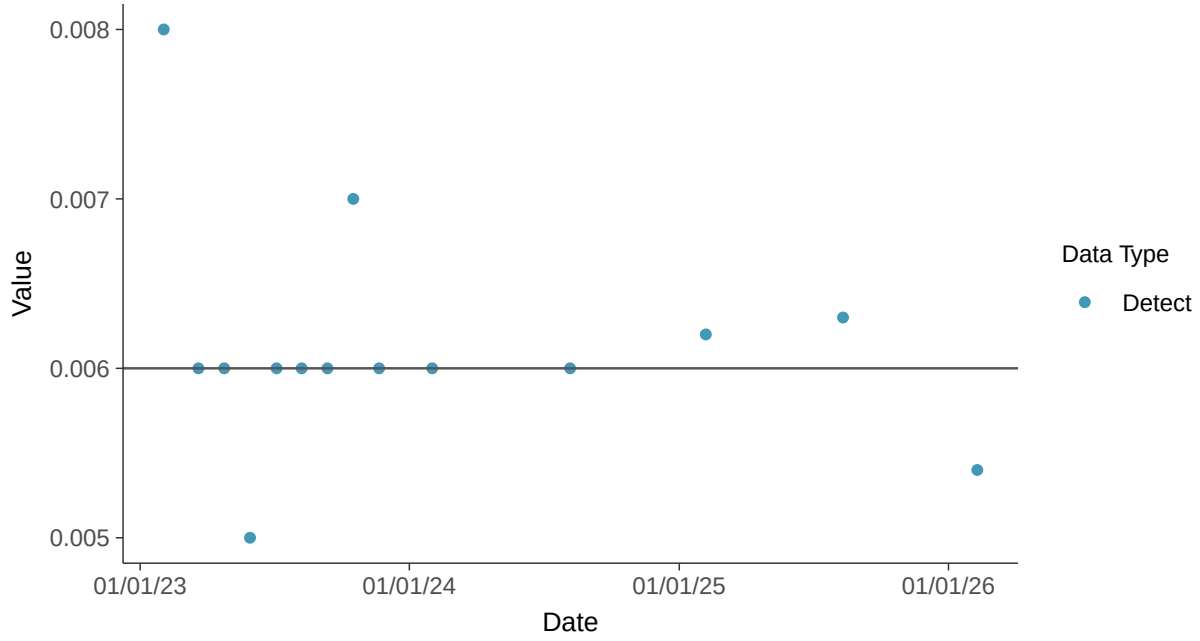
Normal Q-Q plot

Molybdenum, MW-16B (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

Molybdenum, MW-16B (mg/l)

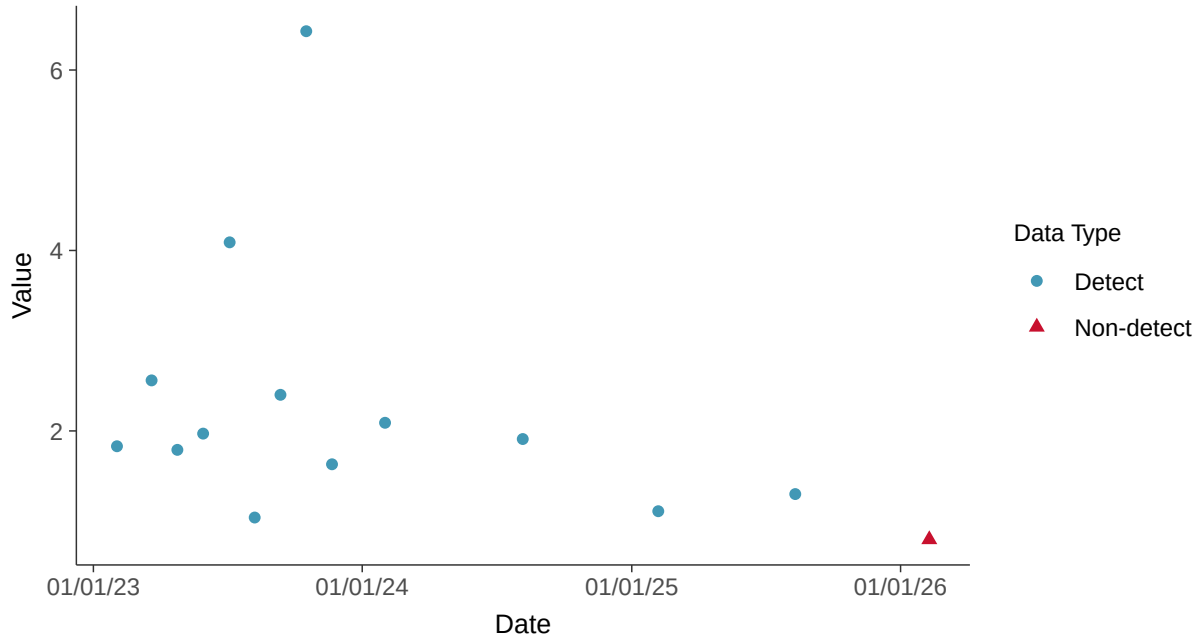


Appendix IV: Radium-226+228, MW-16B

ID: 24_3_121

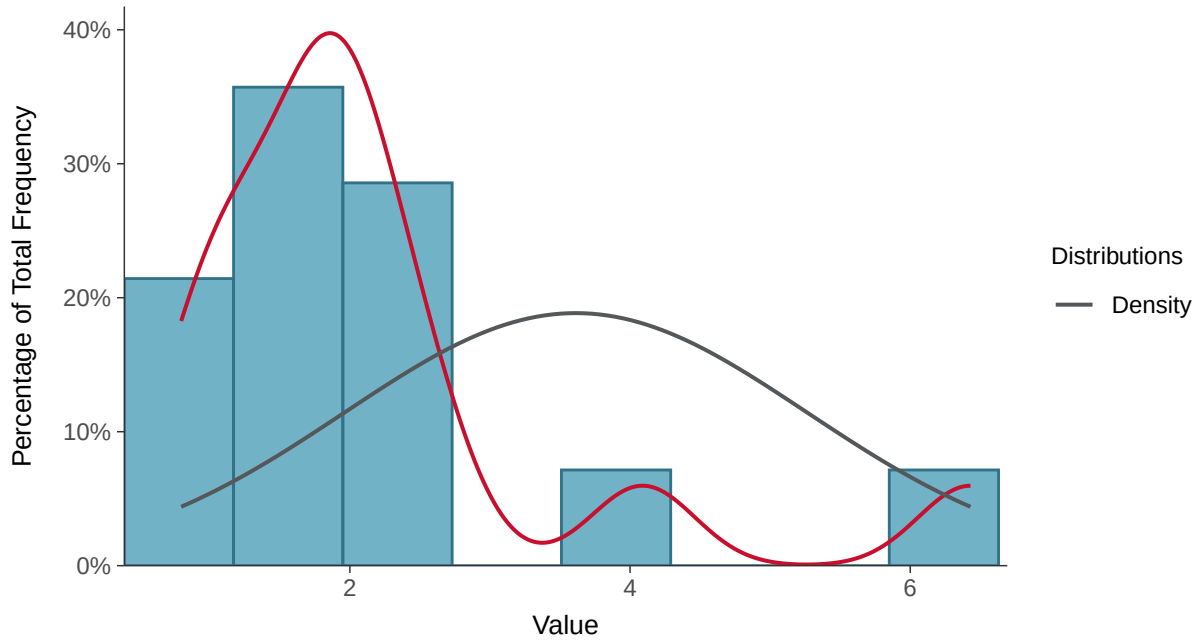
Scatter Plot

Radium-226+228, MW-16B (pci/l)



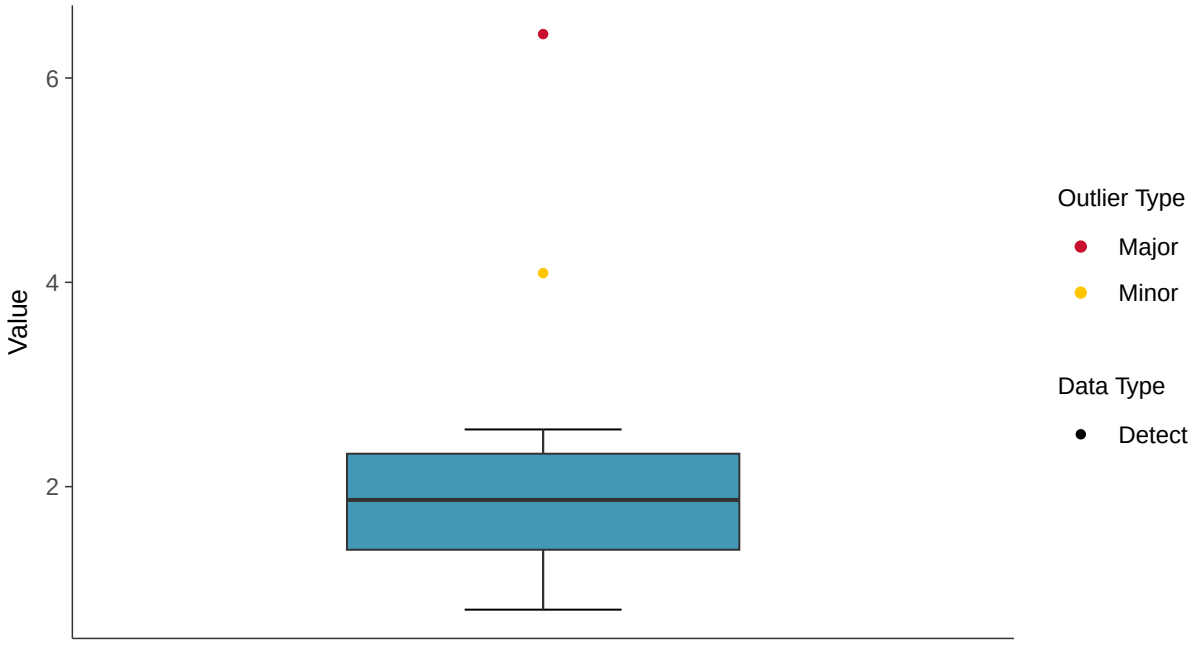
Histogram

Radium-226+228, MW-16B (pci/l)



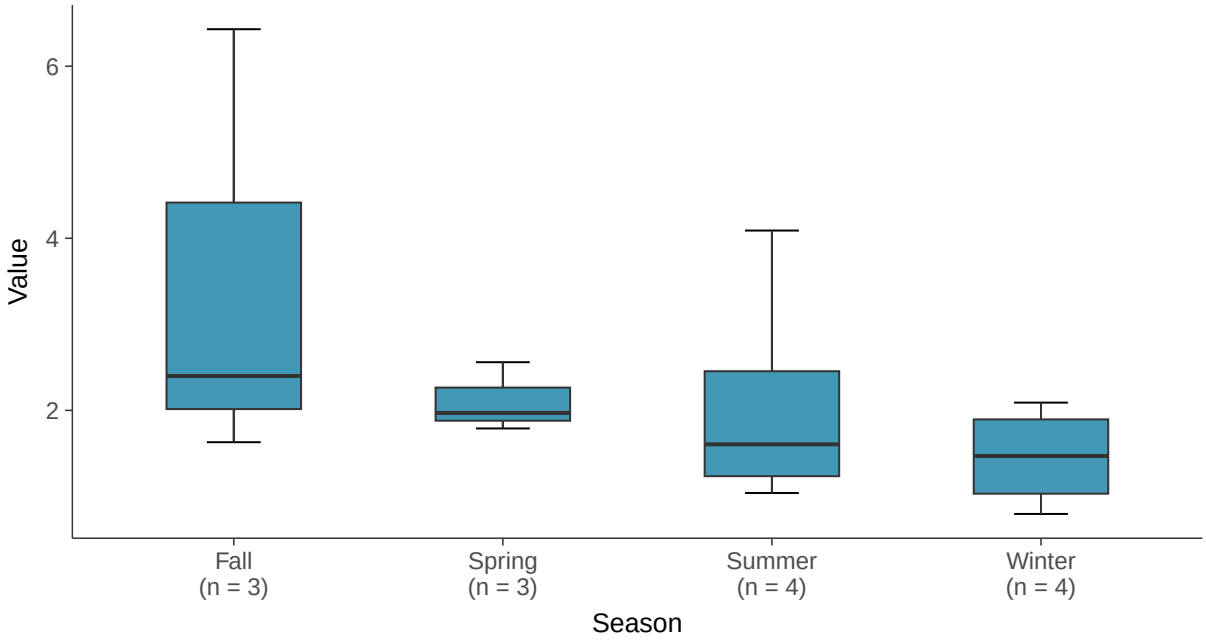
Boxplot

Radium-226+228, MW-16B (pci/l)



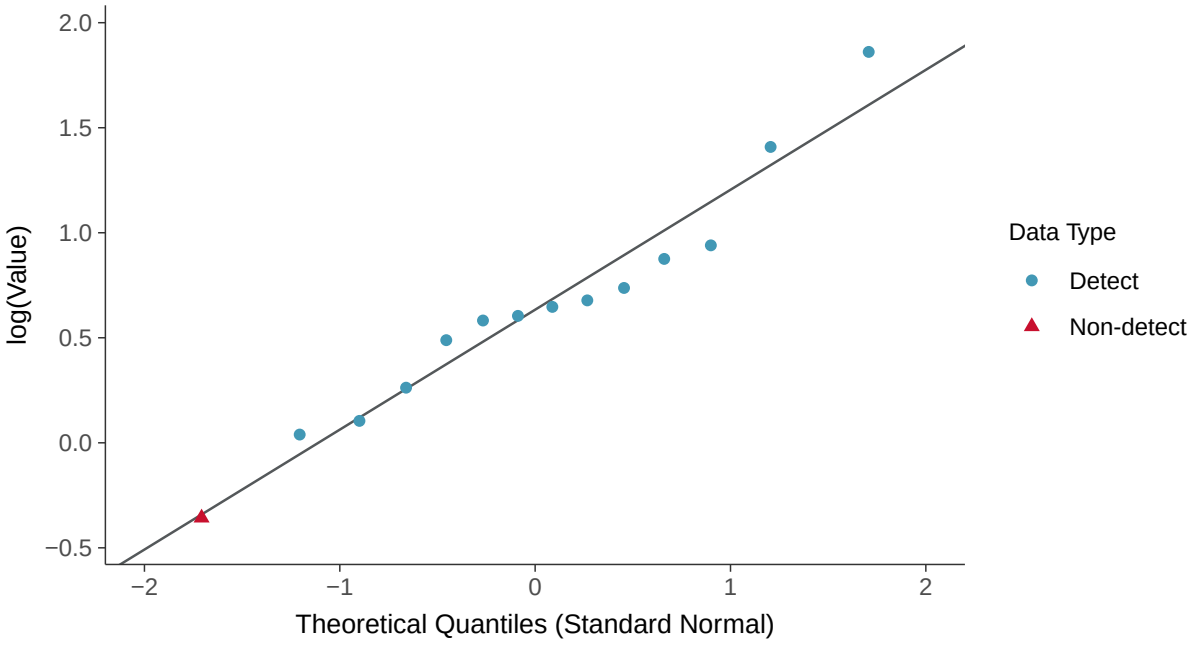
Boxplot by Season

Radium-226+228, MW-16B (pci/l)



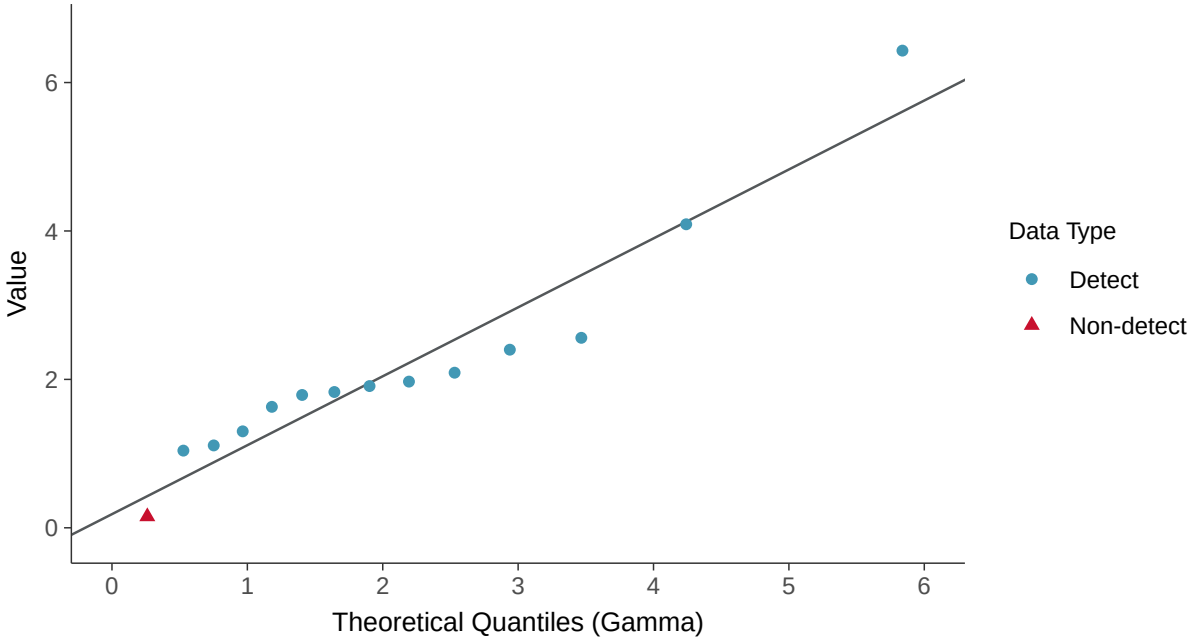
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-16B (pci/l)



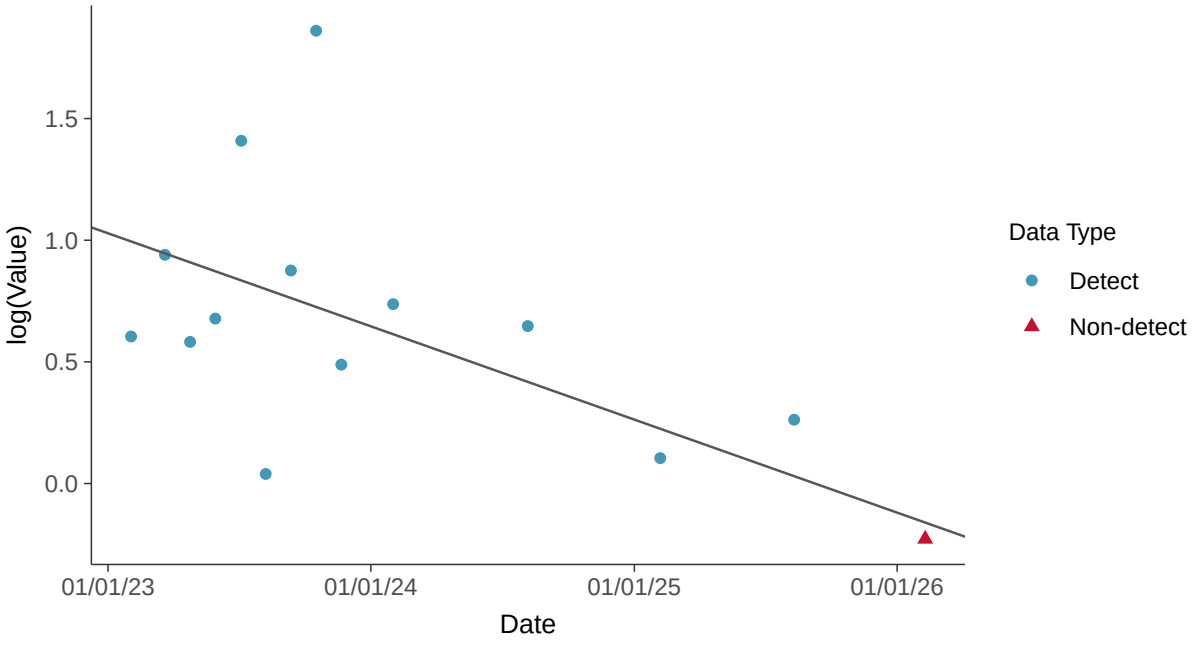
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-16B (pci/l)



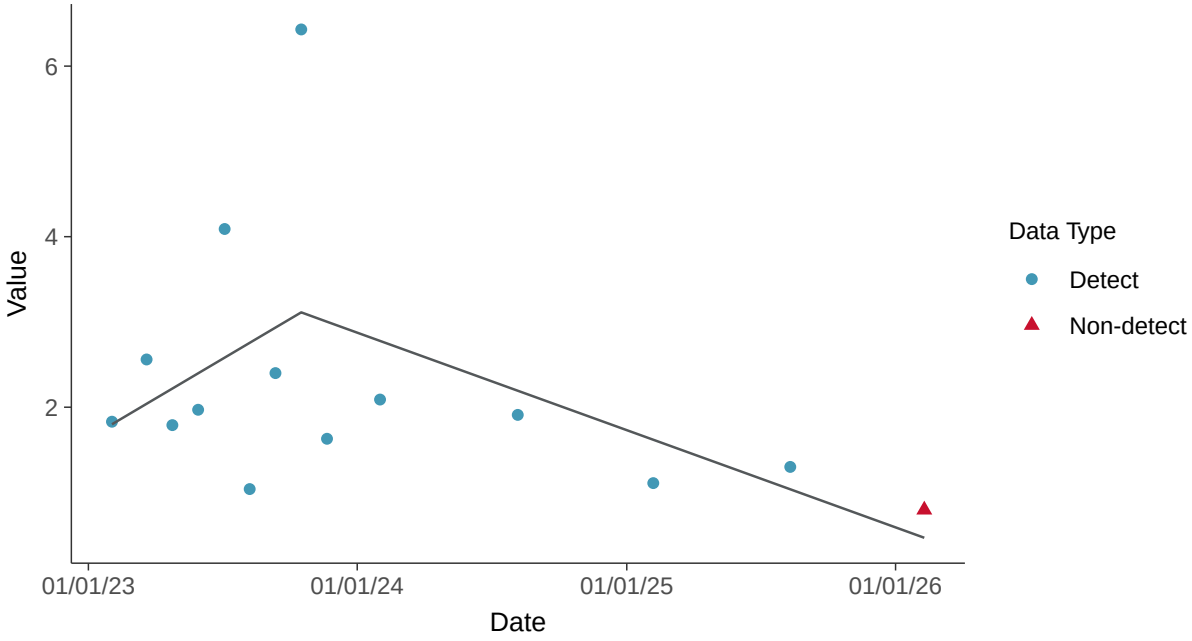
Trend Regression: Lognormal MLE

Radium-226+228, MW-16B (pci/l)



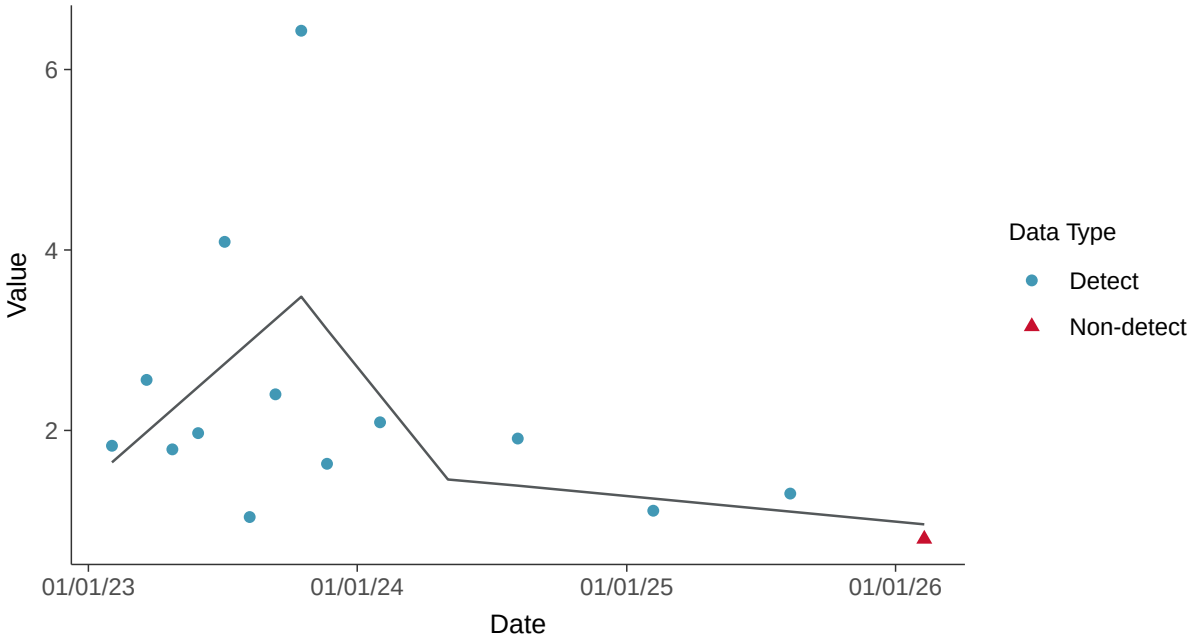
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-16B (pci/l)



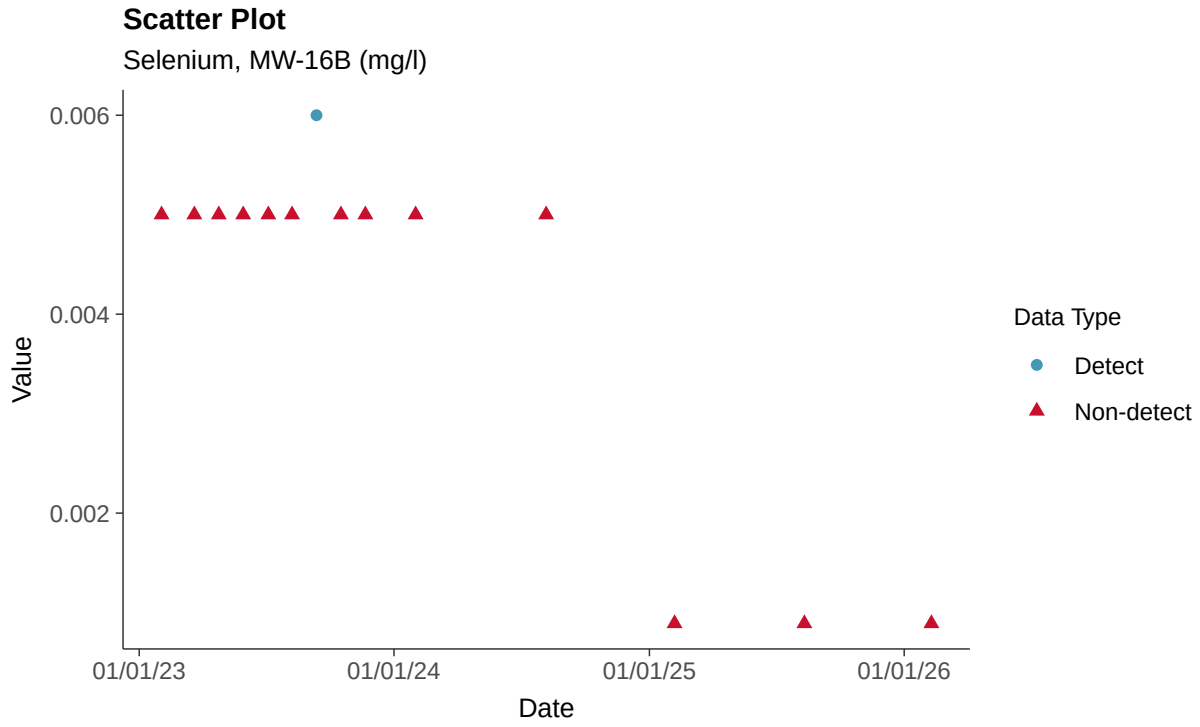
Trend Regression: Piecewise Linear-Linear-Linear

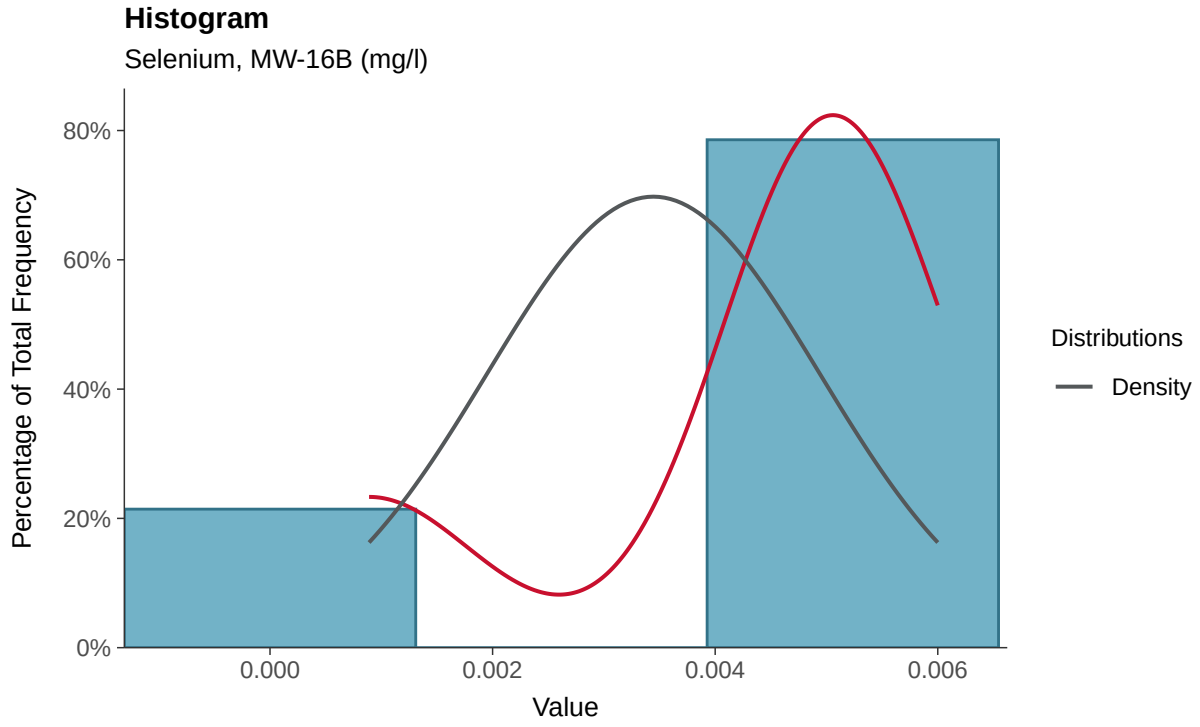
Radium-226+228, MW-16B (pci/l)



Appendix IV: Selenium, MW-16B

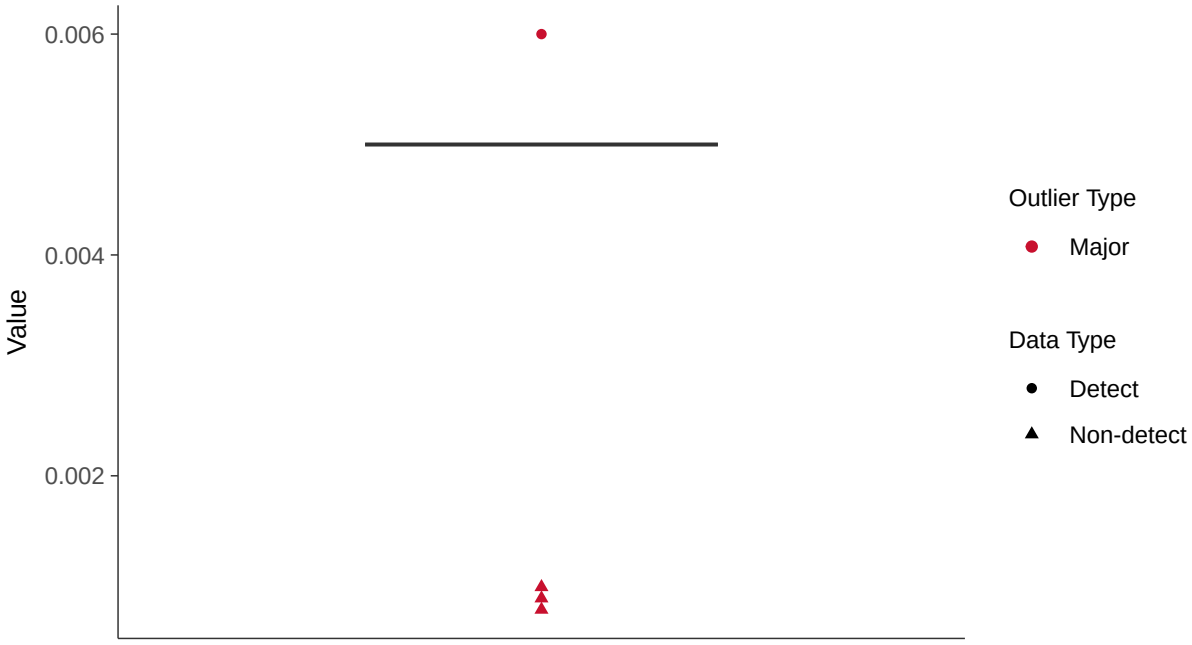
ID: 24_3_122





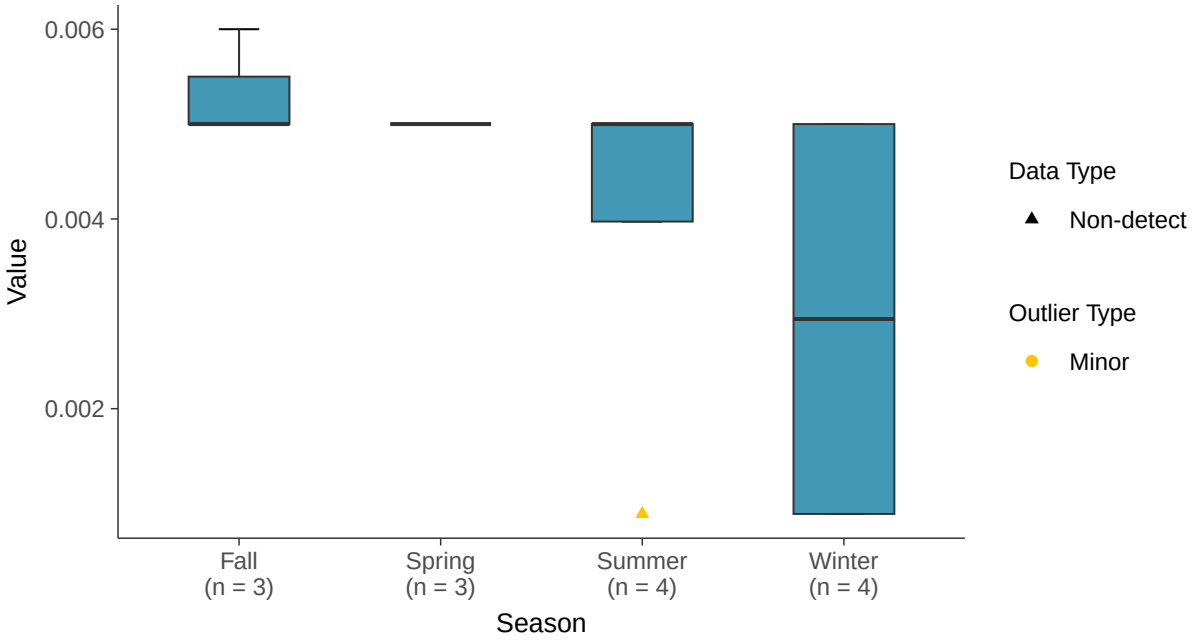
Boxplot

Selenium, MW-16B (mg/l)



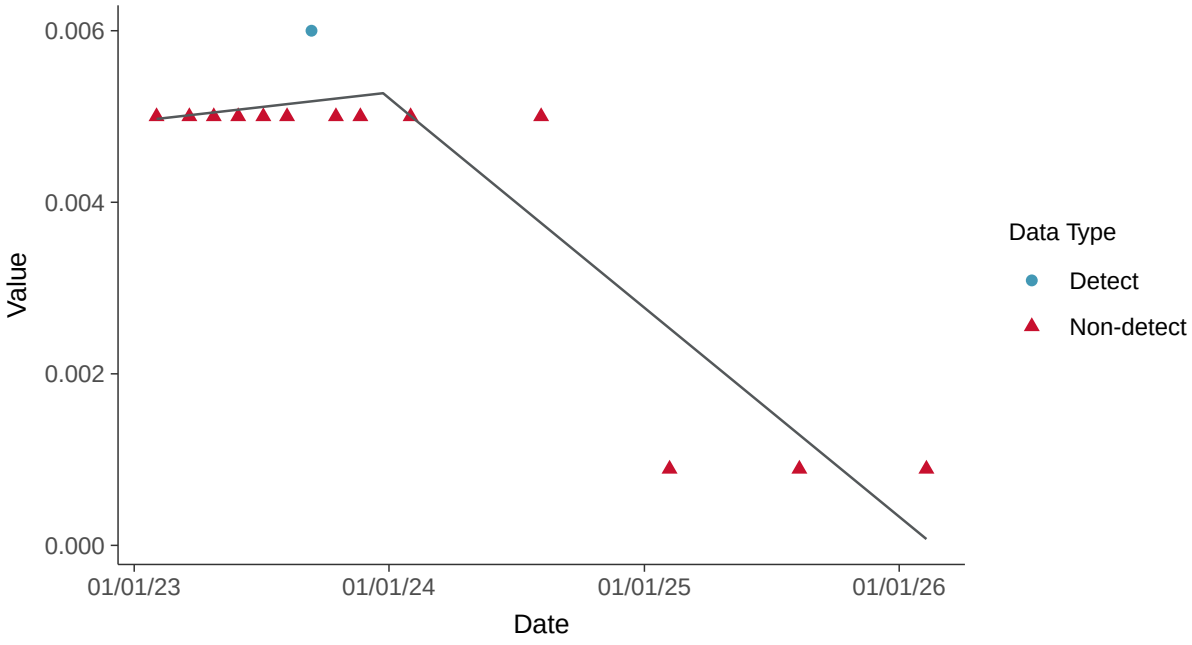
Boxplot by Season

Selenium, MW-16B (mg/l)



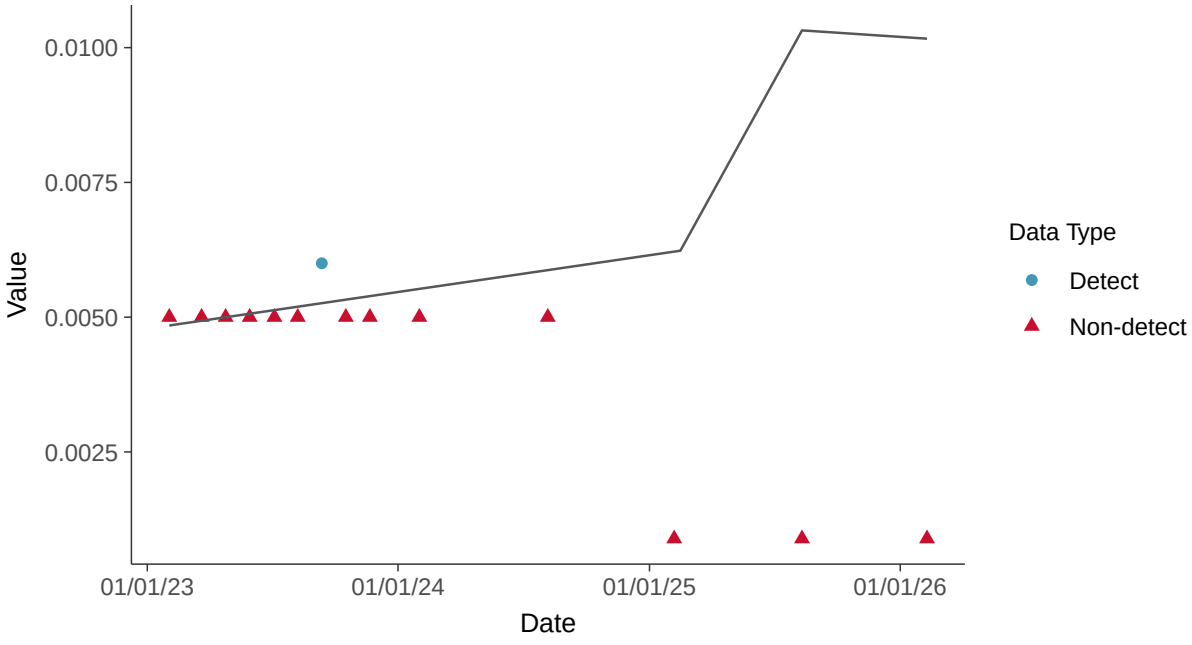
Trend Regression: Piecewise Linear-Linear

Selenium, MW-16B (mg/l)



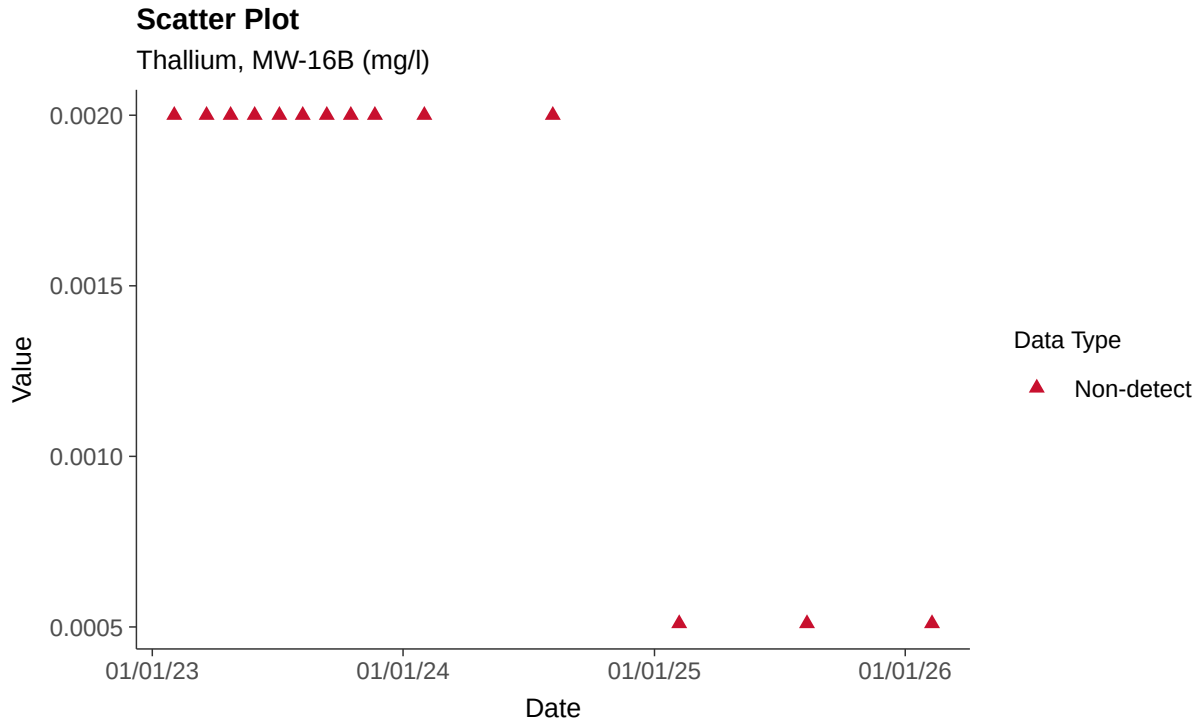
Trend Regression: Piecewise Linear-Linear-Linear

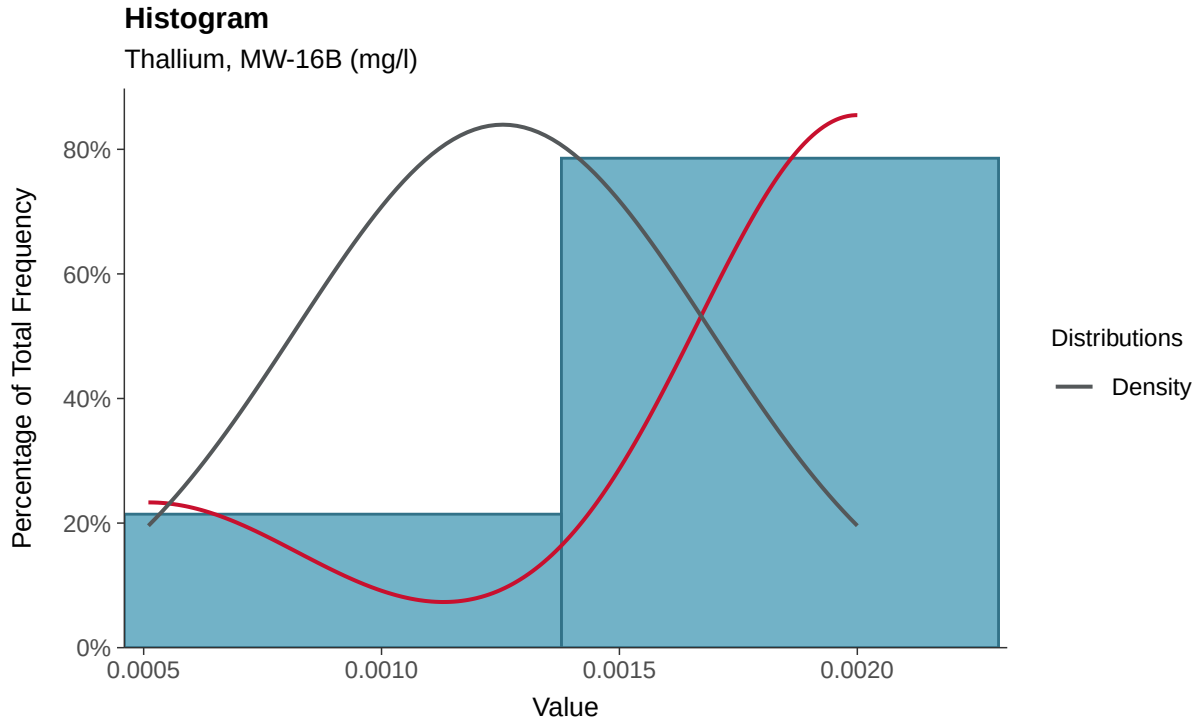
Selenium, MW-16B (mg/l)



Appendix IV: Thallium, MW-16B

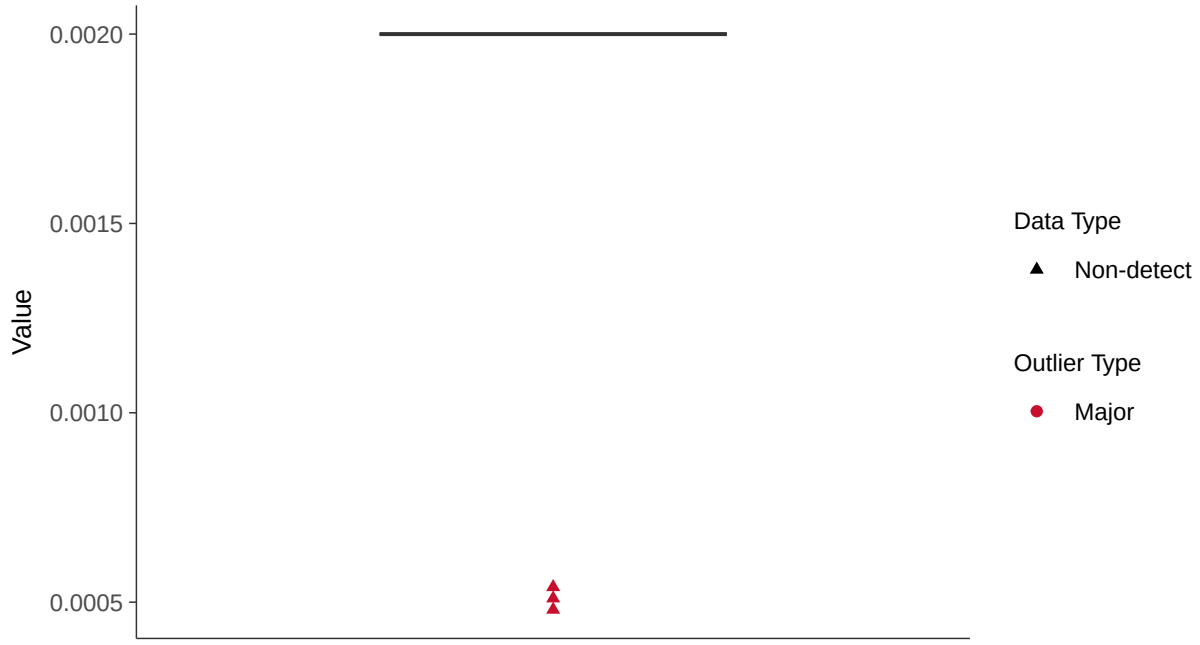
ID: 24_3_125





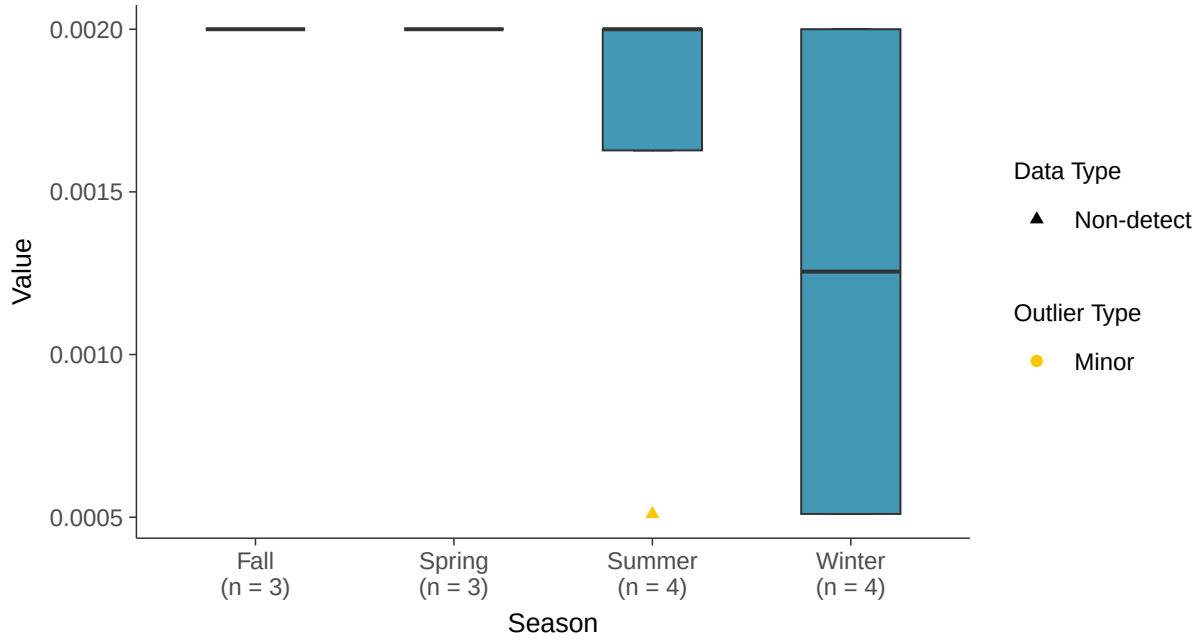
Boxplot

Thallium, MW-16B (mg/l)



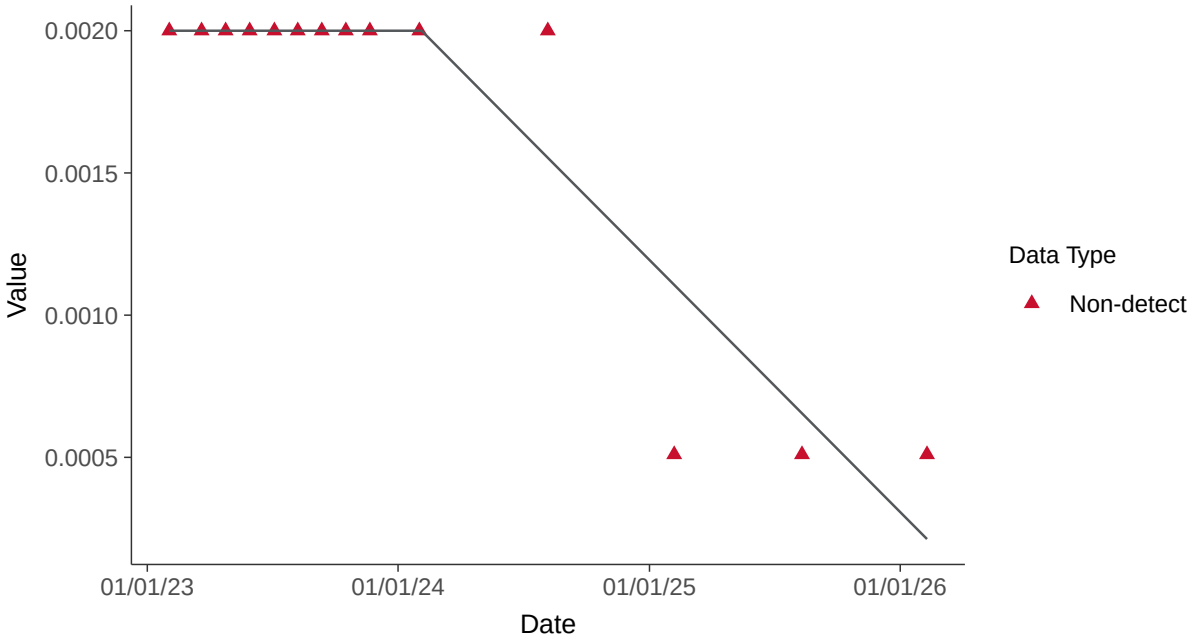
Boxplot by Season

Thallium, MW-16B (mg/l)



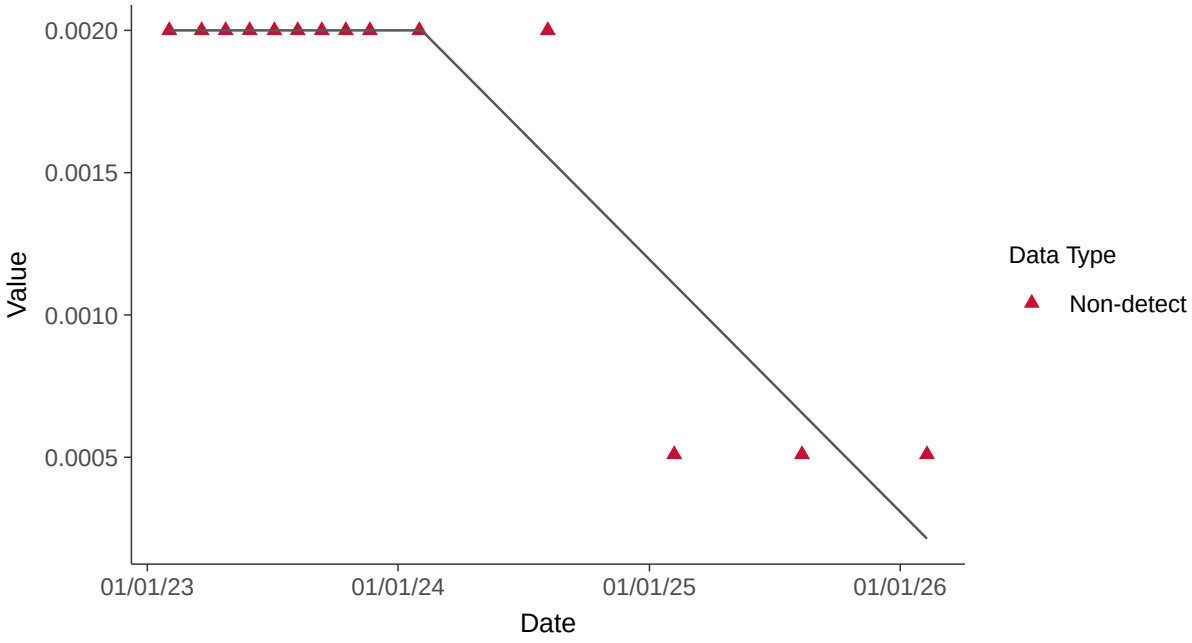
Trend Regression: Piecewise Linear-Linear

Thallium, MW-16B (mg/l)



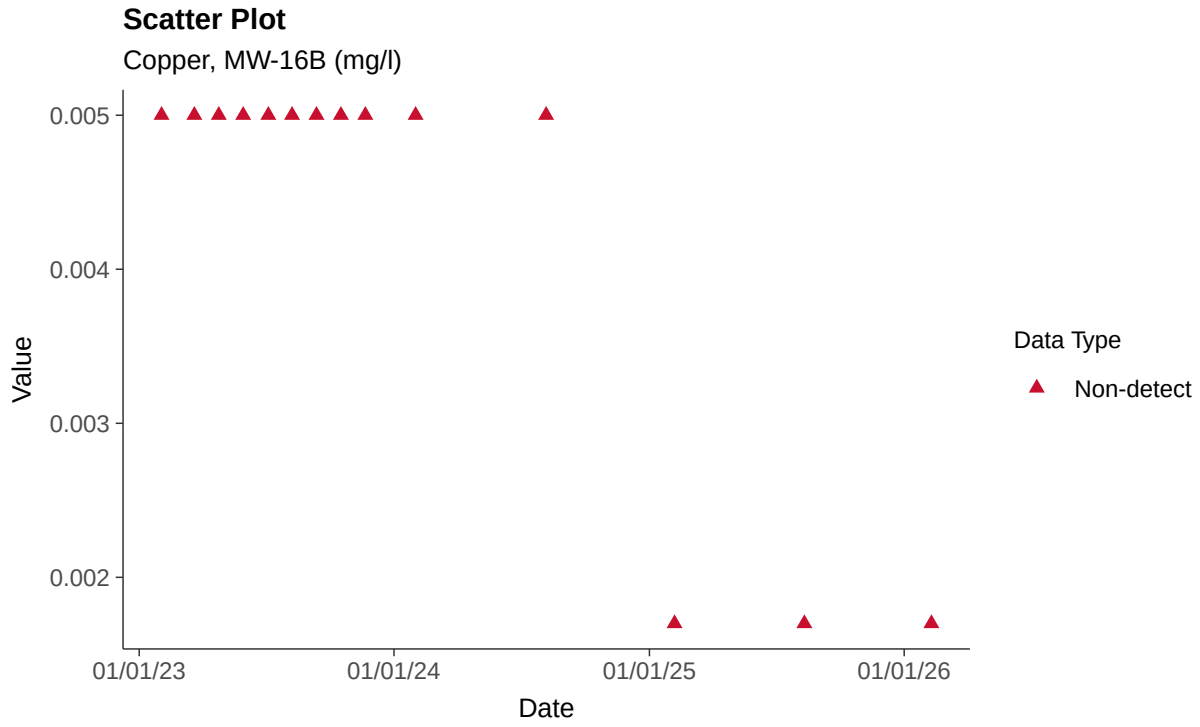
Trend Regression: Piecewise Linear-Linear-Linear

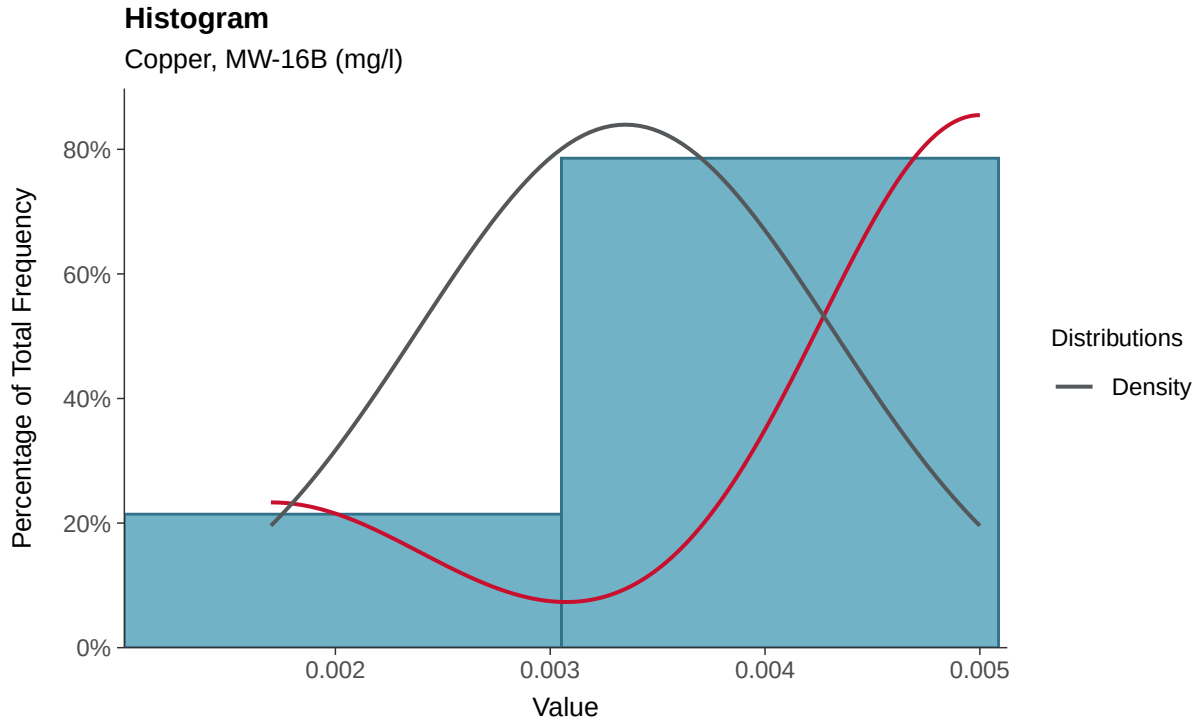
Thallium, MW-16B (mg/l)



Part 115: Copper, MW-16B

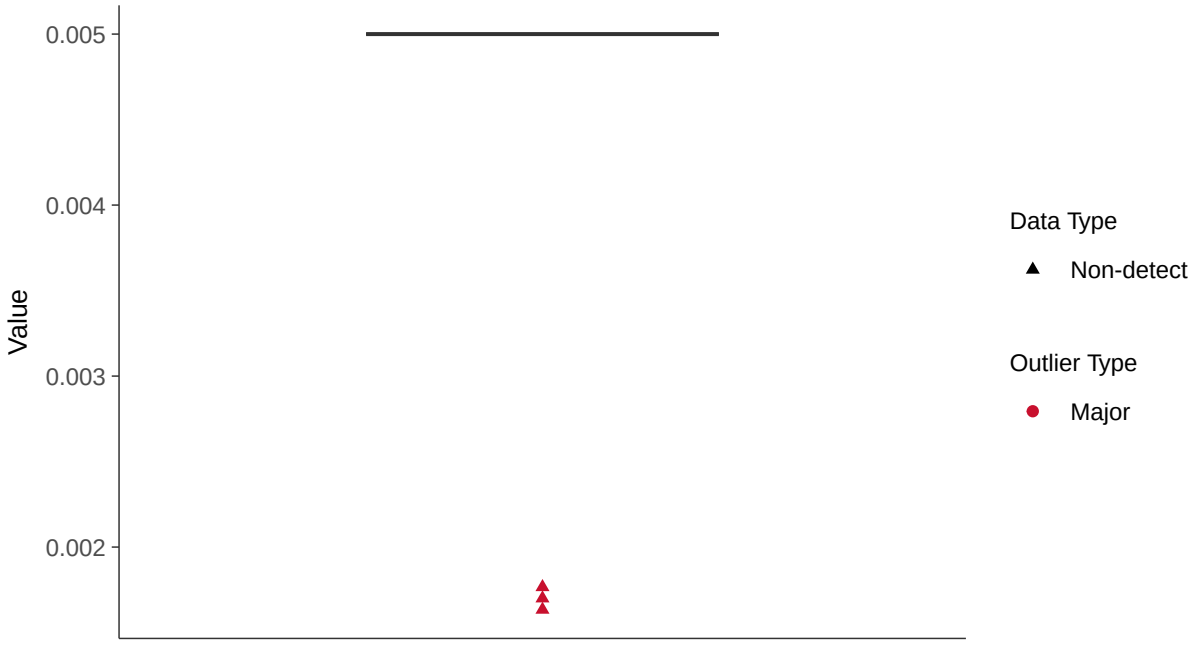
ID: 24_5_111





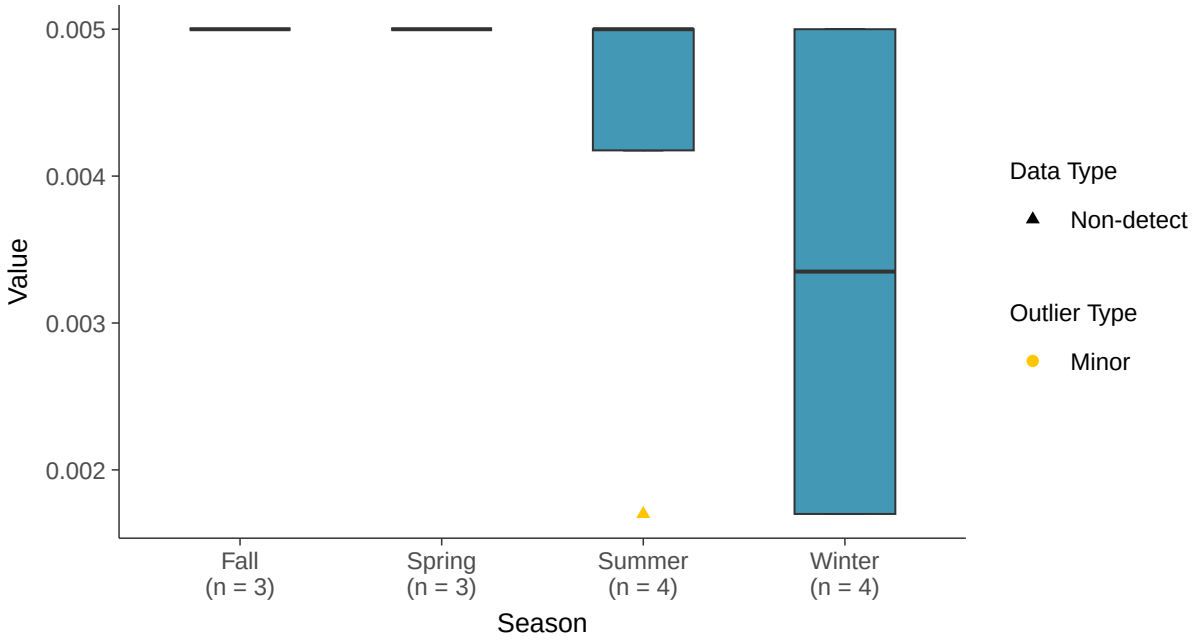
Boxplot

Copper, MW-16B (mg/l)



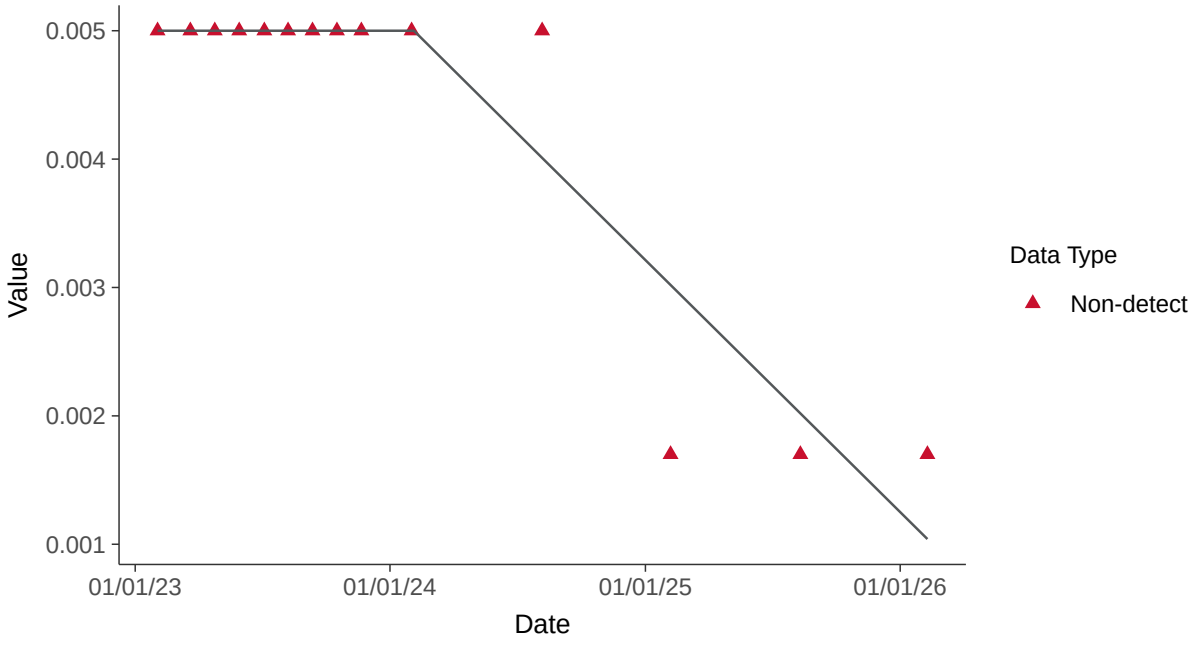
Boxplot by Season

Copper, MW-16B (mg/l)



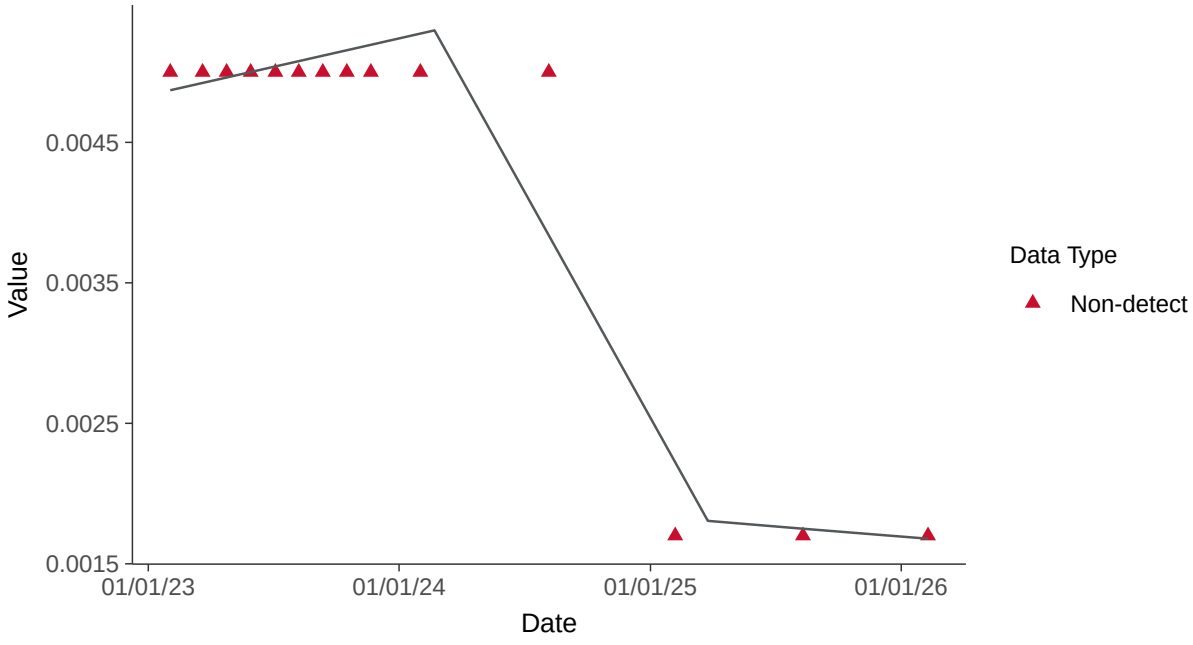
Trend Regression: Piecewise Linear-Linear

Copper, MW-16B (mg/l)



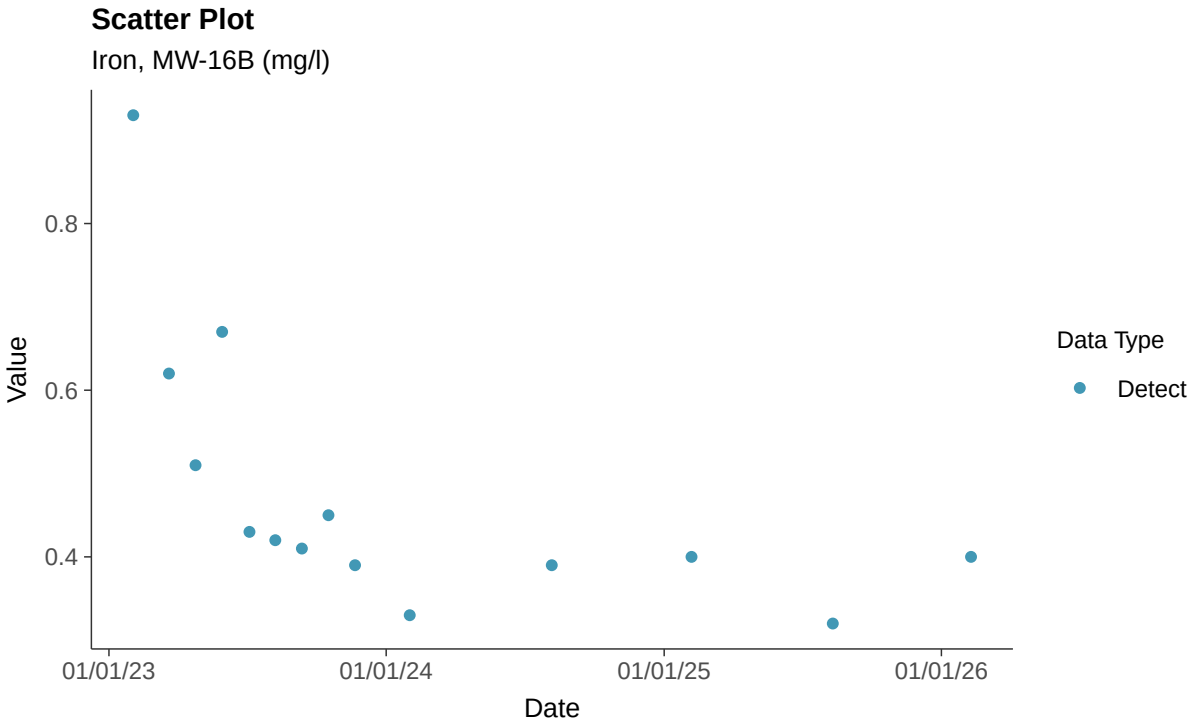
Trend Regression: Piecewise Linear-Linear-Linear

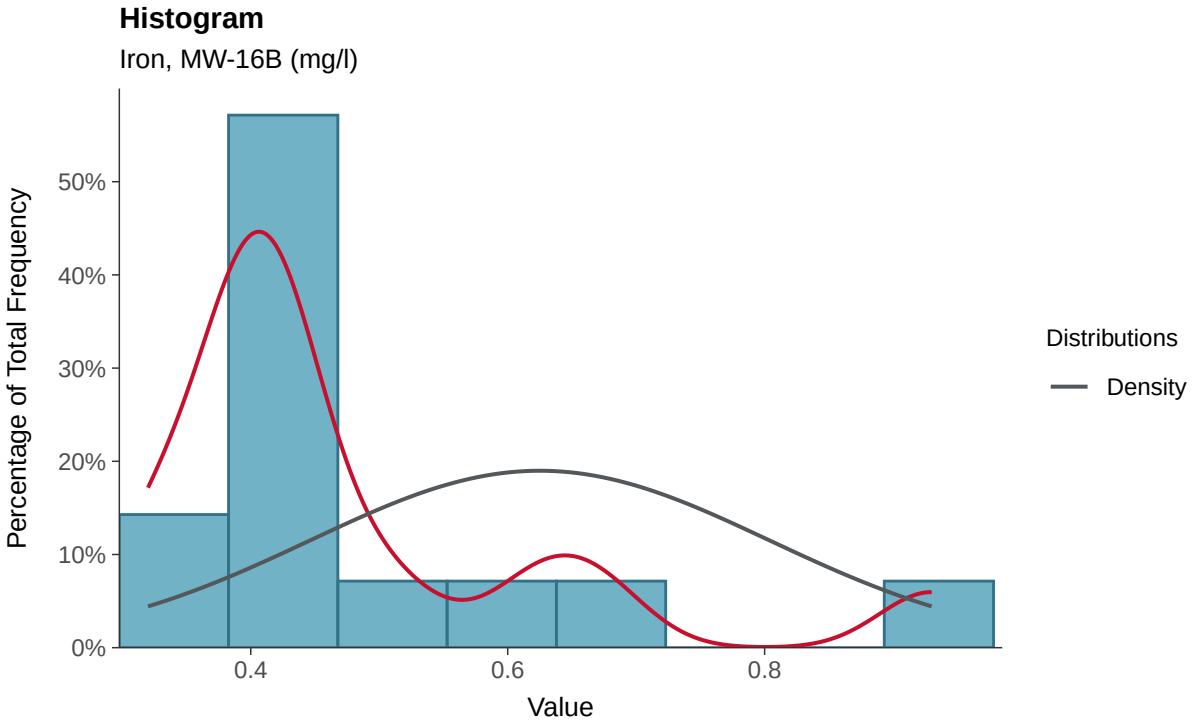
Copper, MW-16B (mg/l)



Part 115: Iron, MW-16B

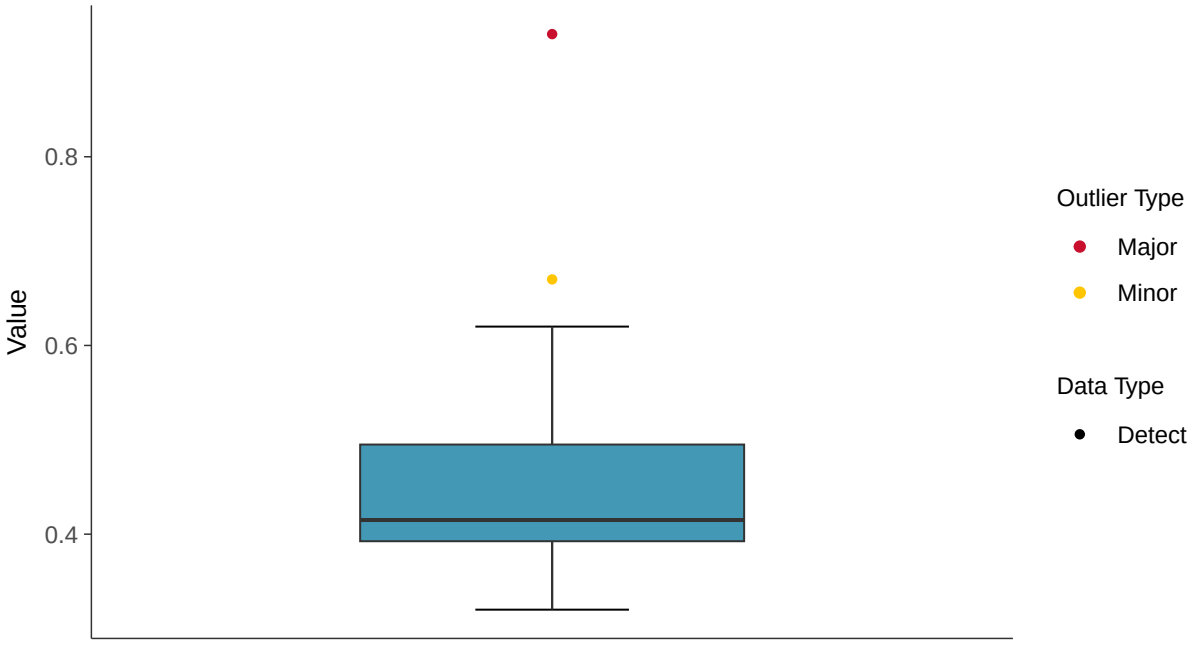
ID: 24_5_114





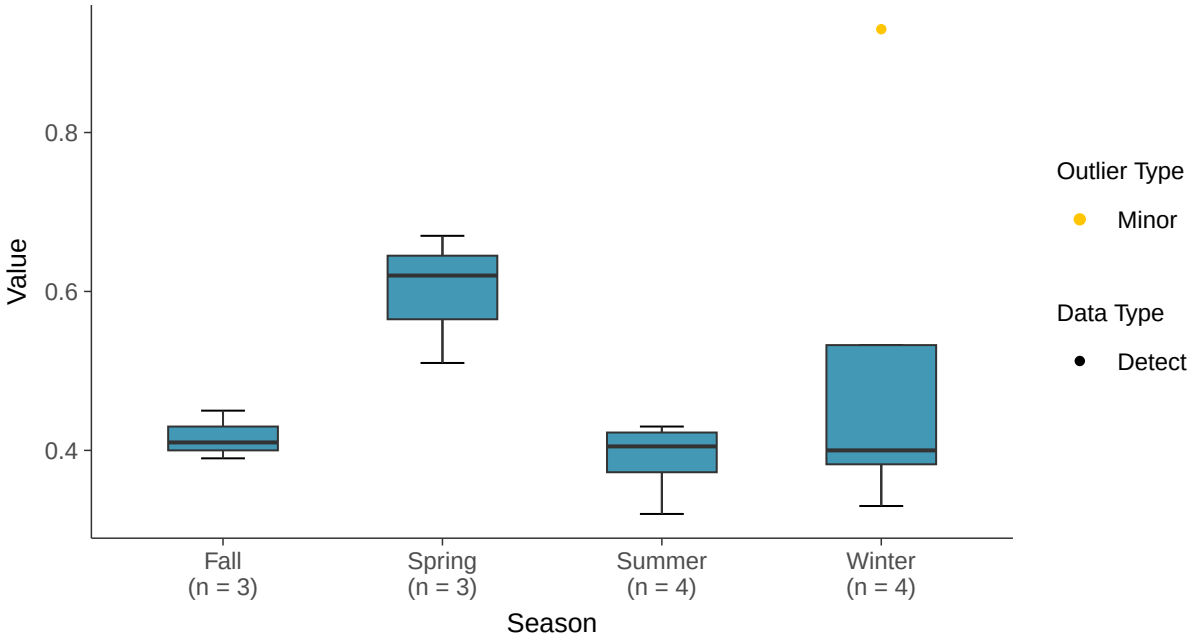
Boxplot

Iron, MW-16B (mg/l)



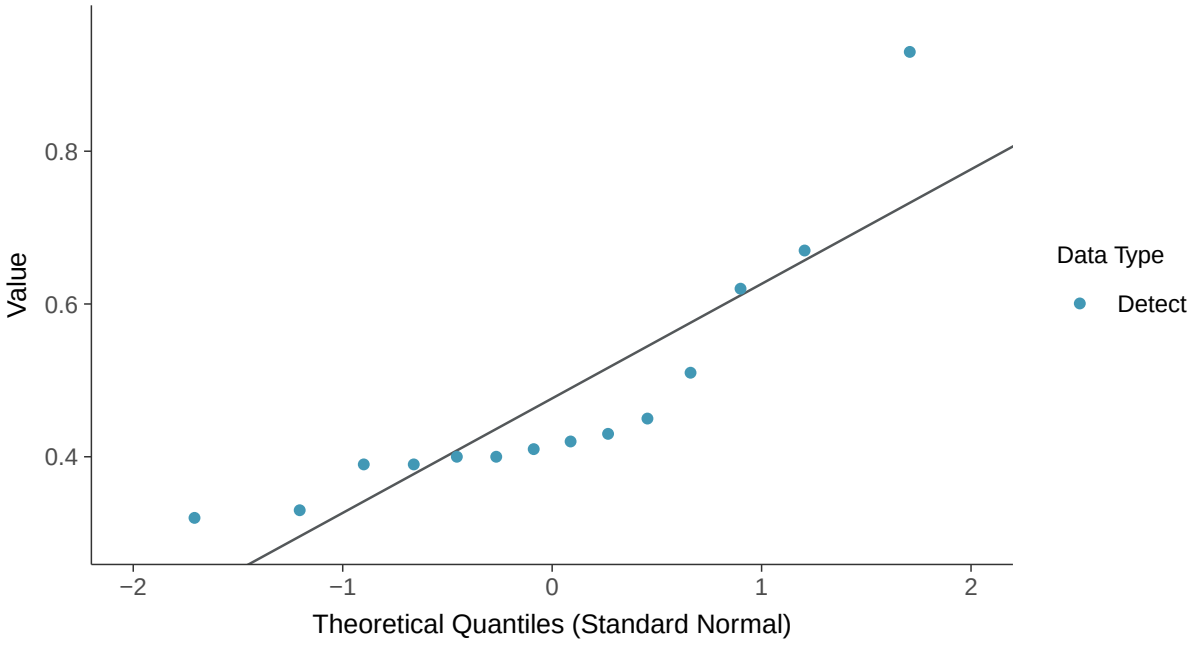
Boxplot by Season

Iron, MW-16B (mg/l)



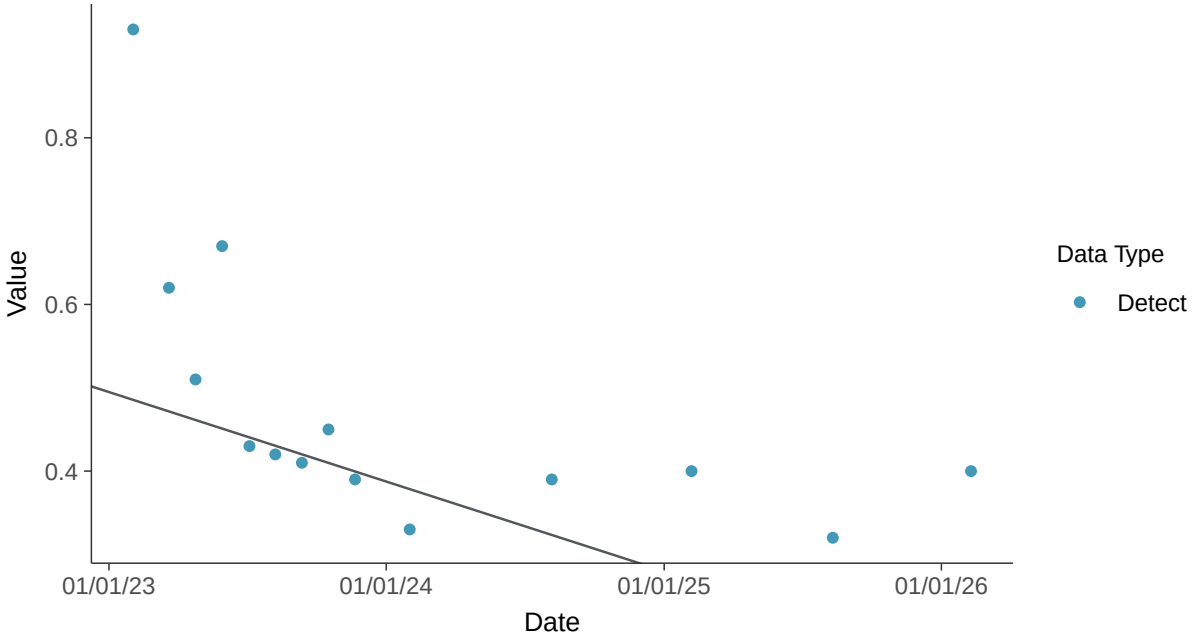
Normal Q-Q plot

Iron, MW-16B (mg/l)



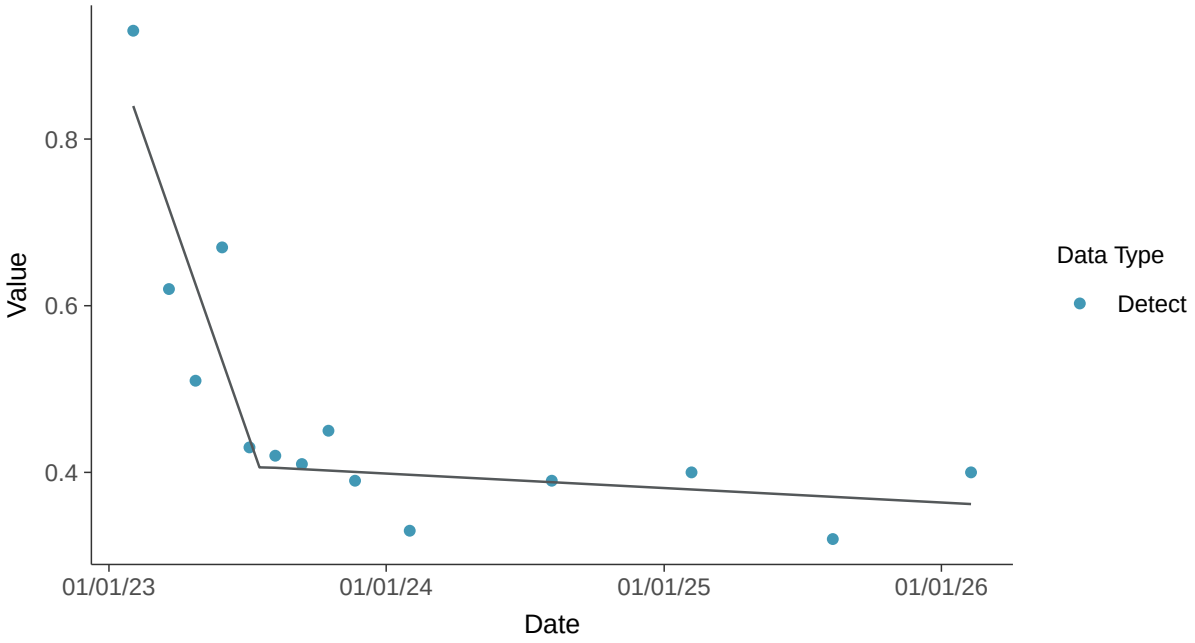
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Iron, MW-16B (mg/l)



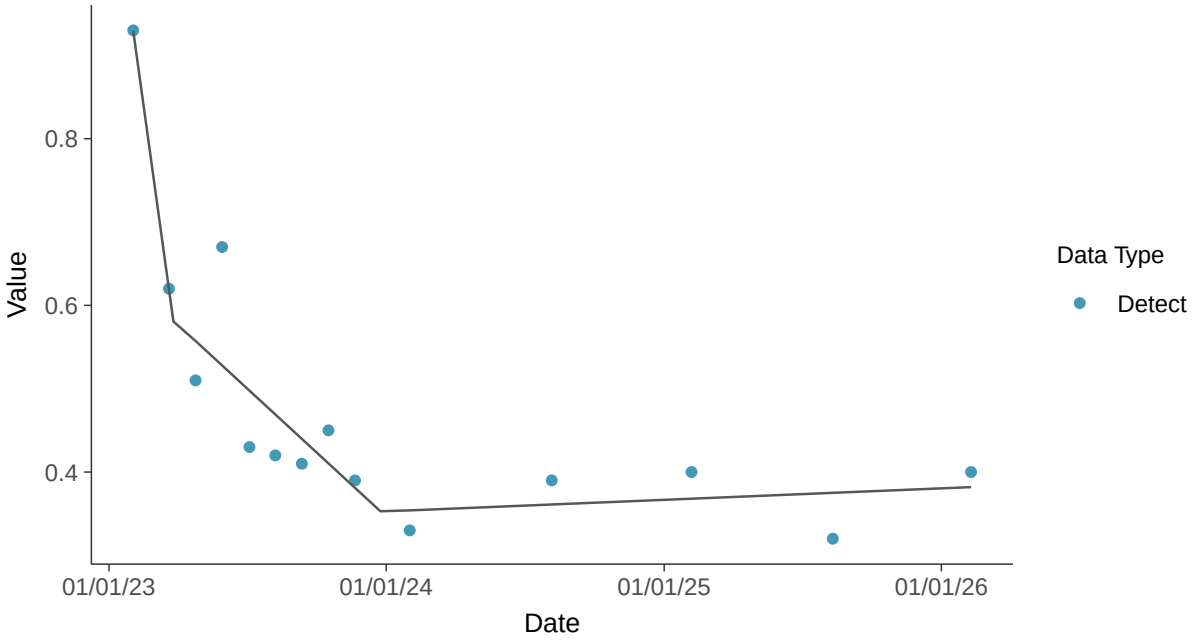
Trend Regression: Piecewise Linear-Linear

Iron, MW-16B (mg/l)



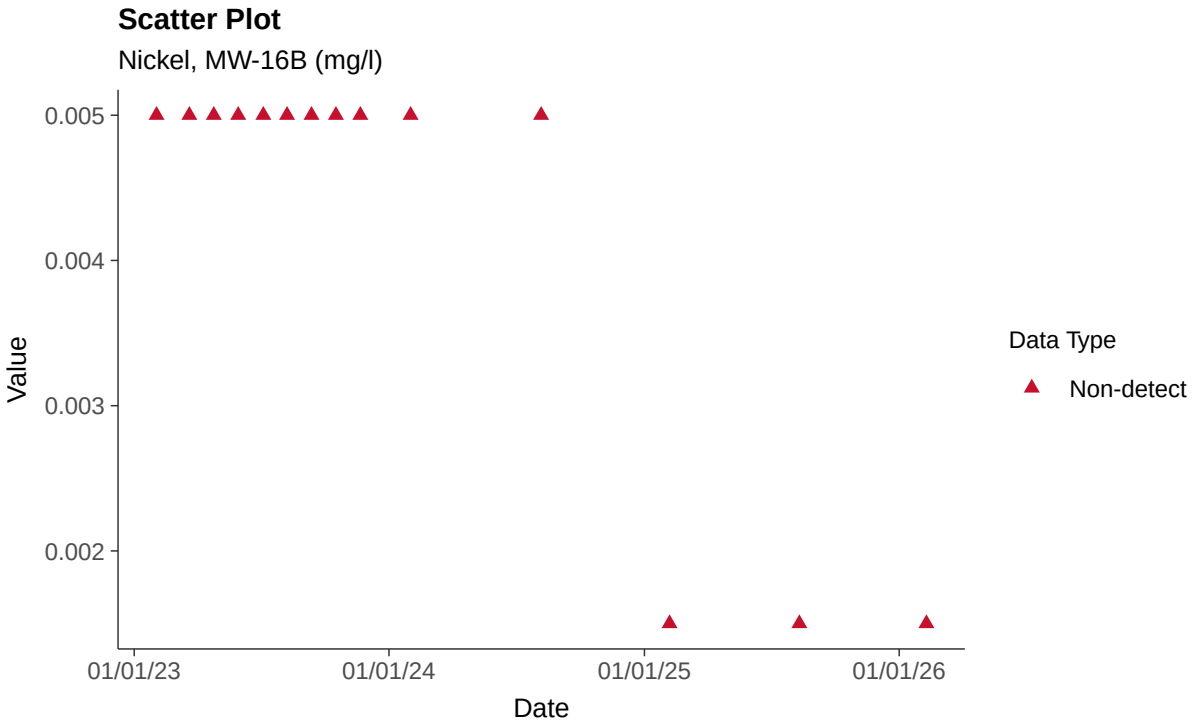
Trend Regression: Piecewise Linear-Linear-Linear

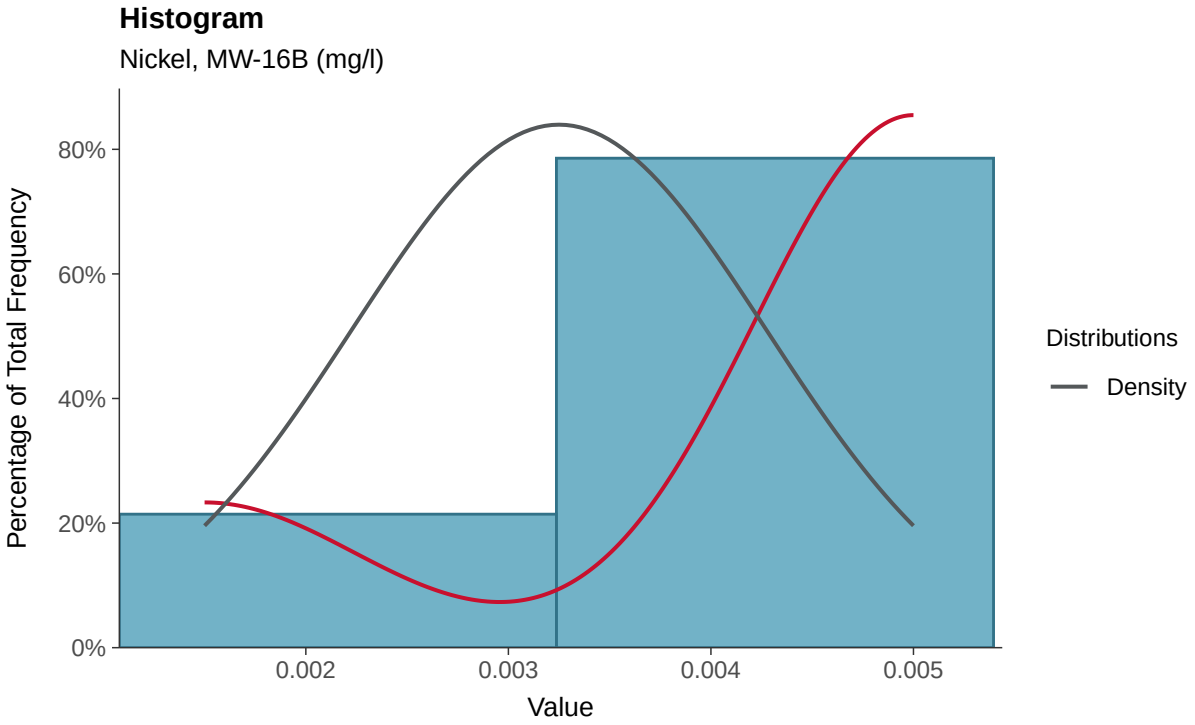
Iron, MW-16B (mg/l)



Part 115: Nickel, MW-16B

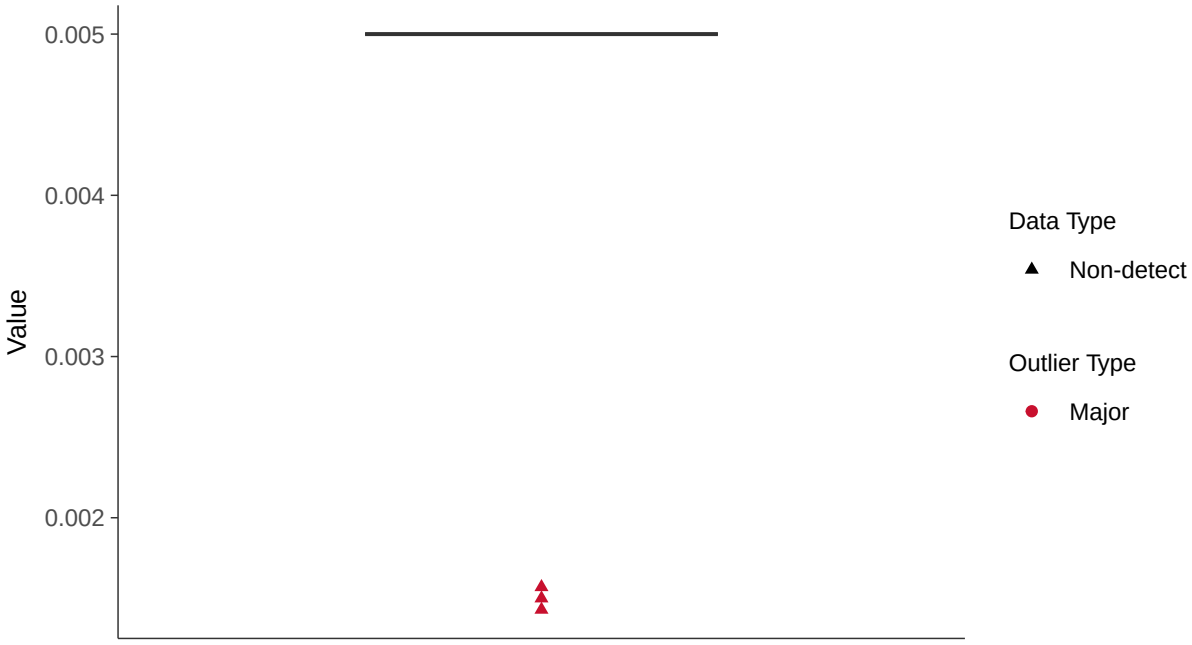
ID: 24_5_119





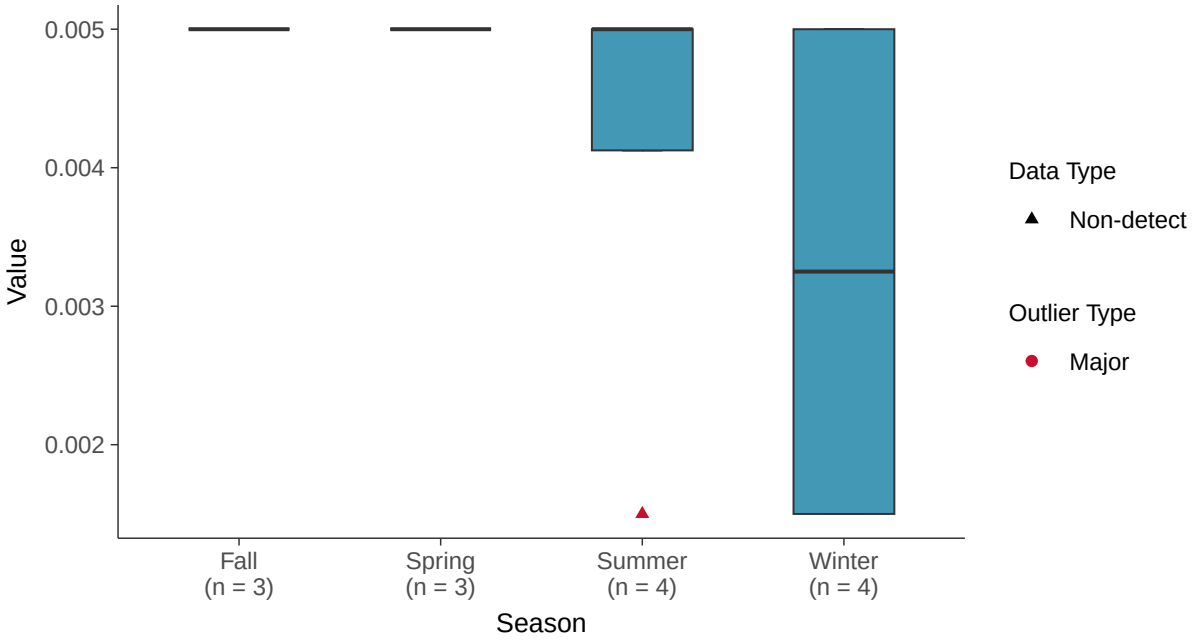
Boxplot

Nickel, MW-16B (mg/l)



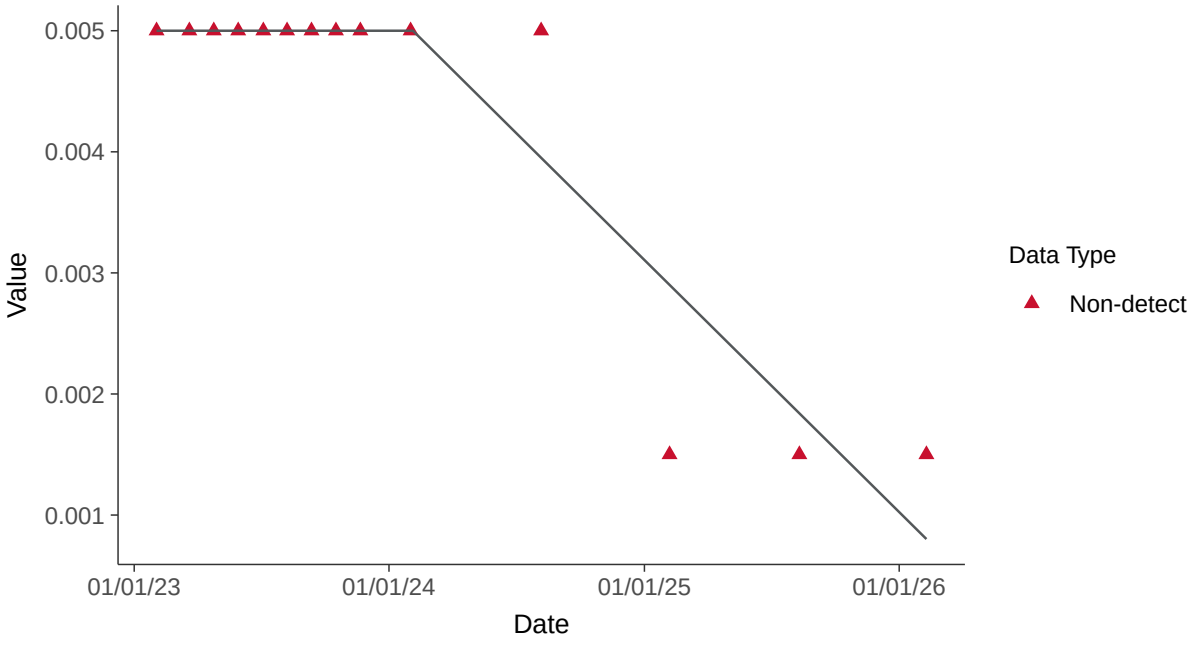
Boxplot by Season

Nickel, MW-16B (mg/l)



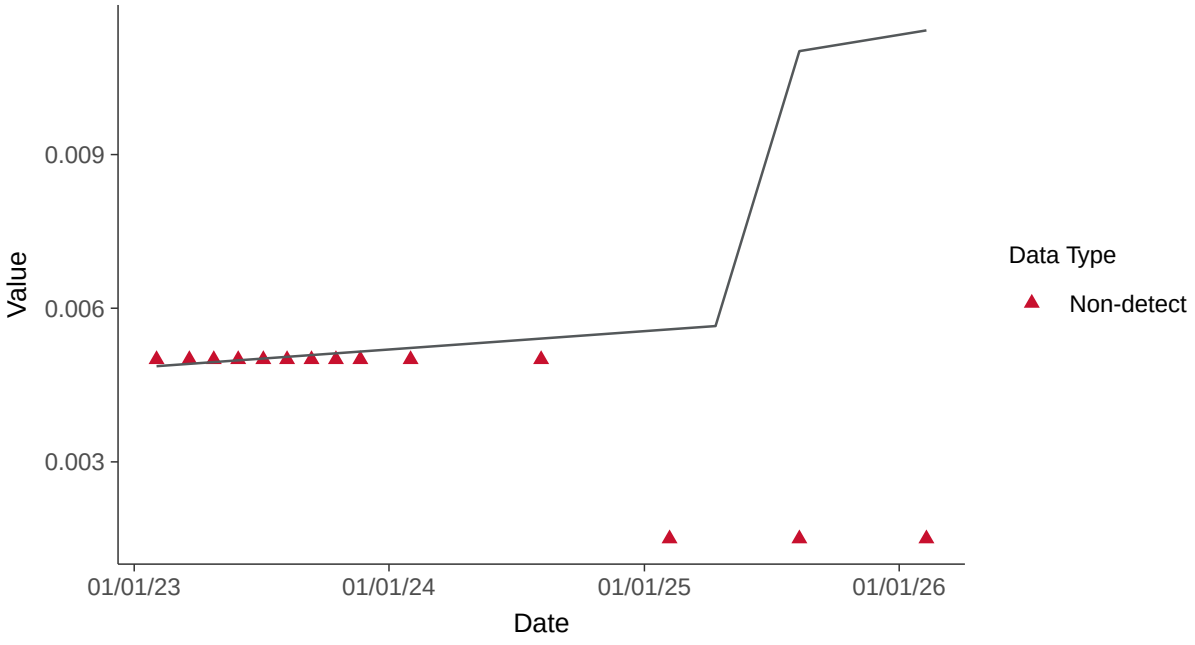
Trend Regression: Piecewise Linear-Linear

Nickel, MW-16B (mg/l)



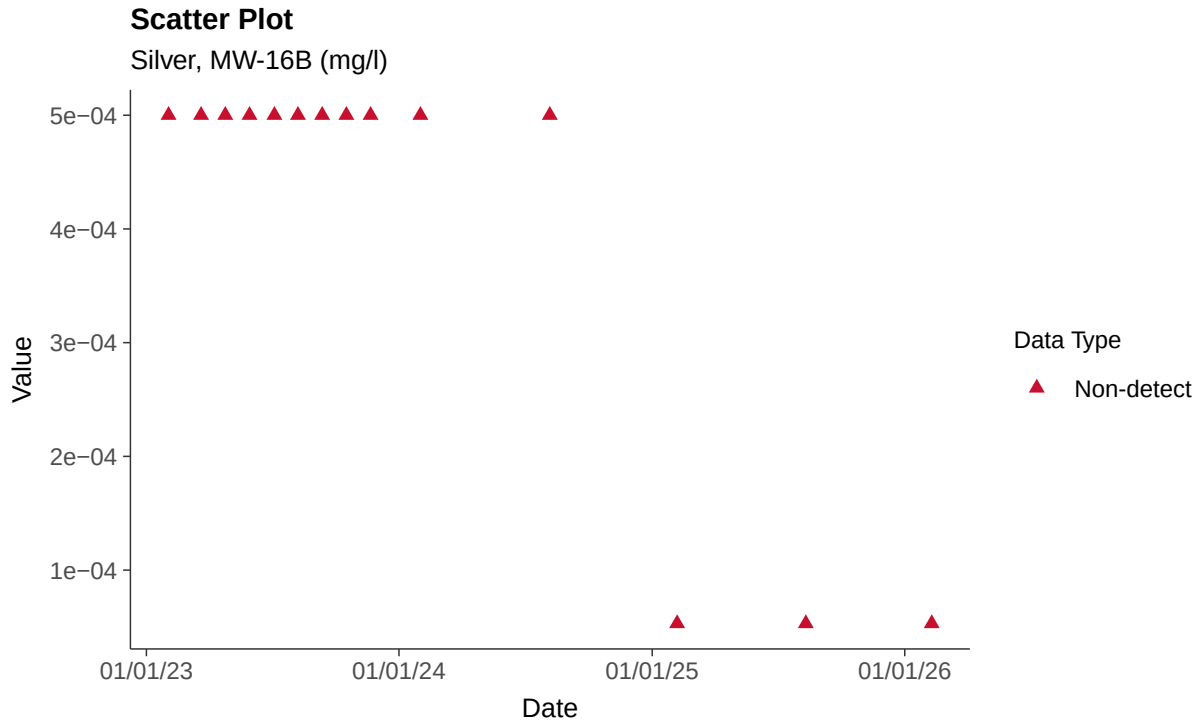
Trend Regression: Piecewise Linear-Linear-Linear

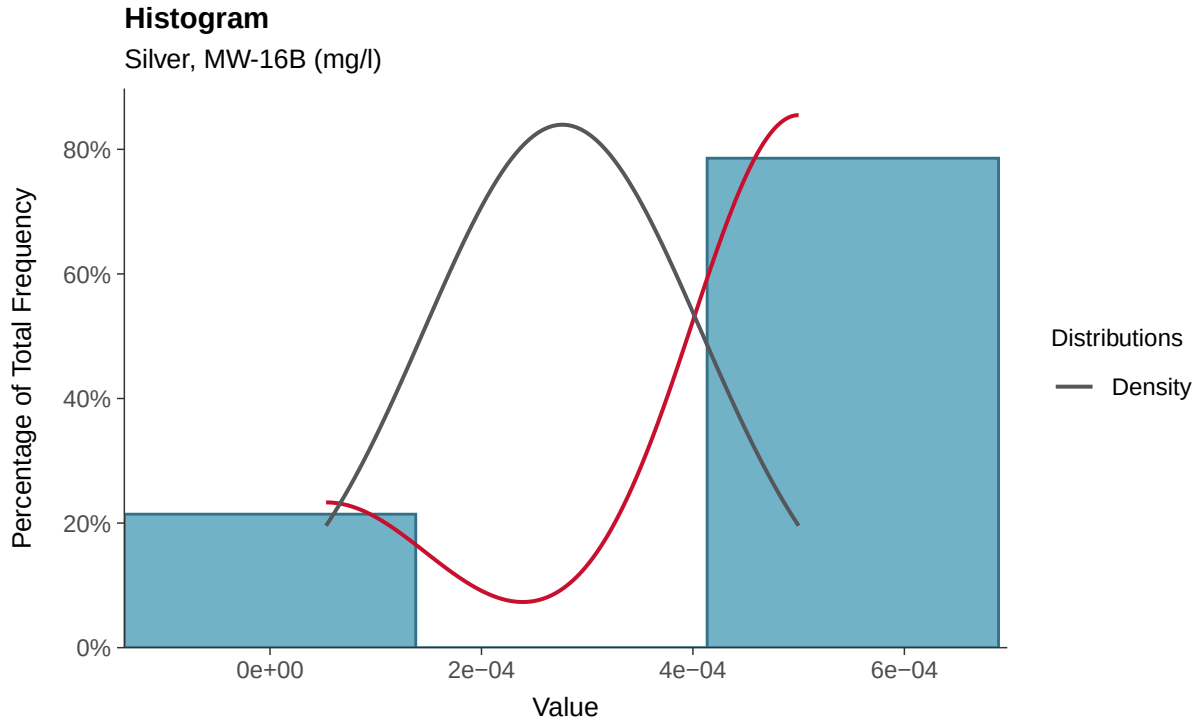
Nickel, MW-16B (mg/l)



Part 115: Silver, MW-16B

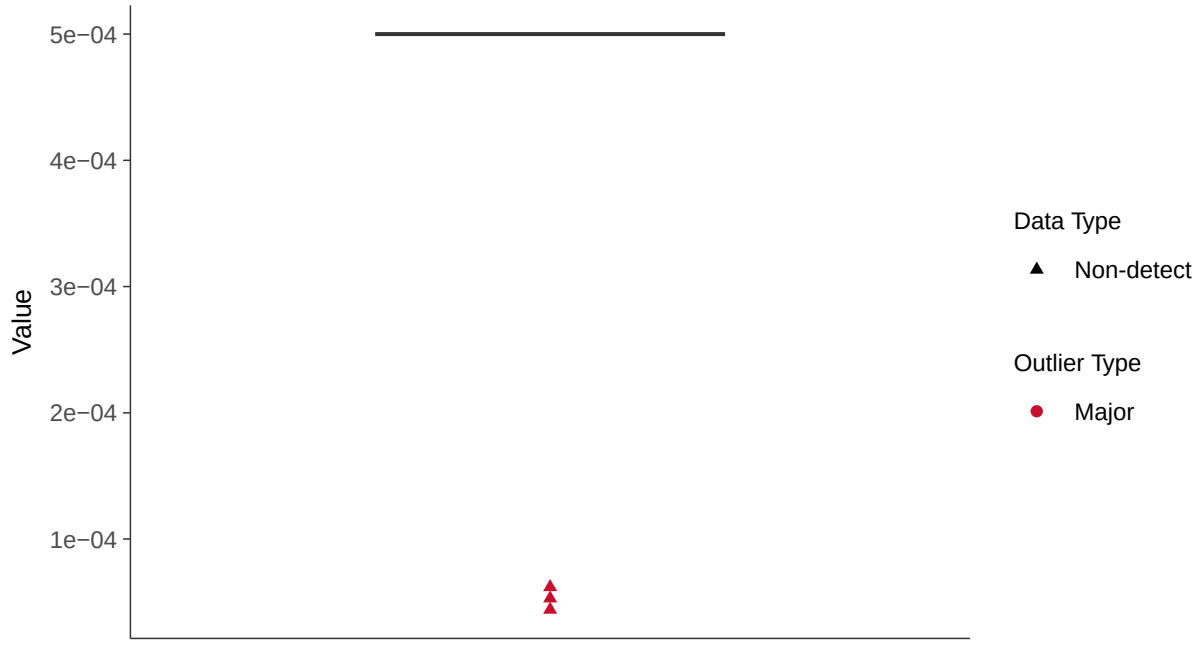
ID: 24_5_123





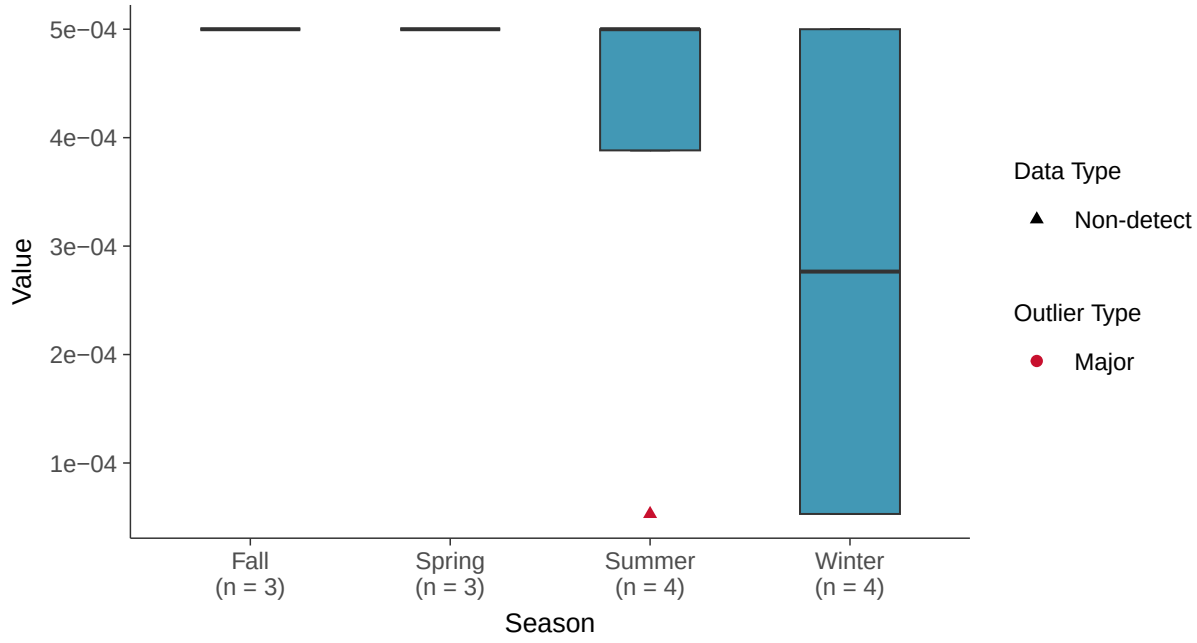
Boxplot

Silver, MW-16B (mg/l)



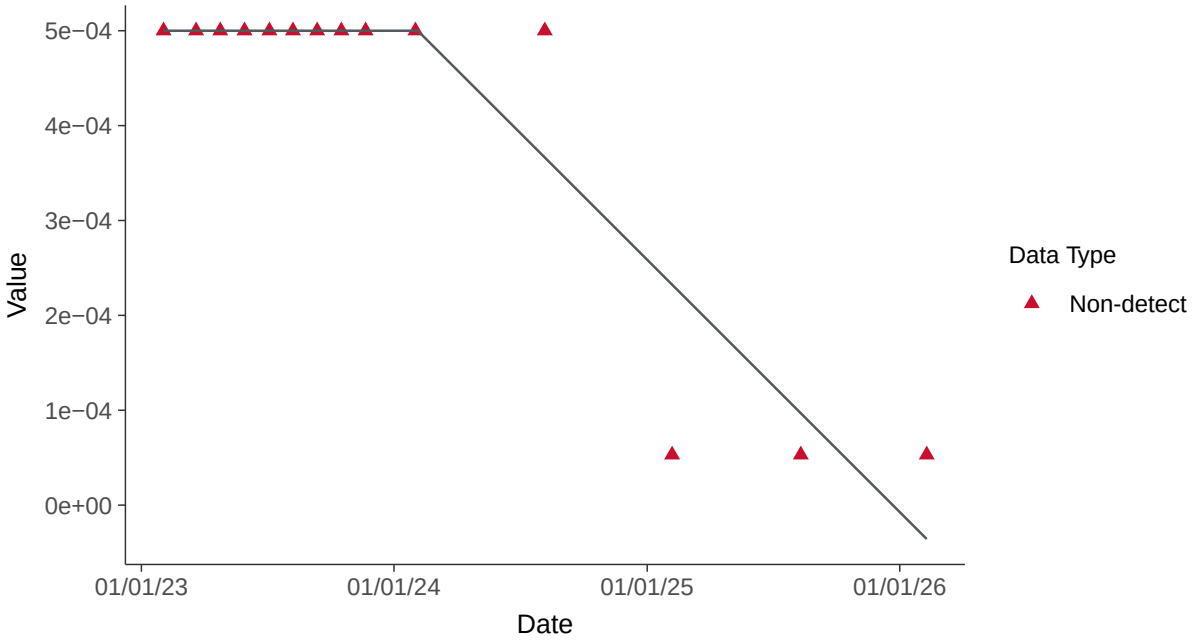
Boxplot by Season

Silver, MW-16B (mg/l)



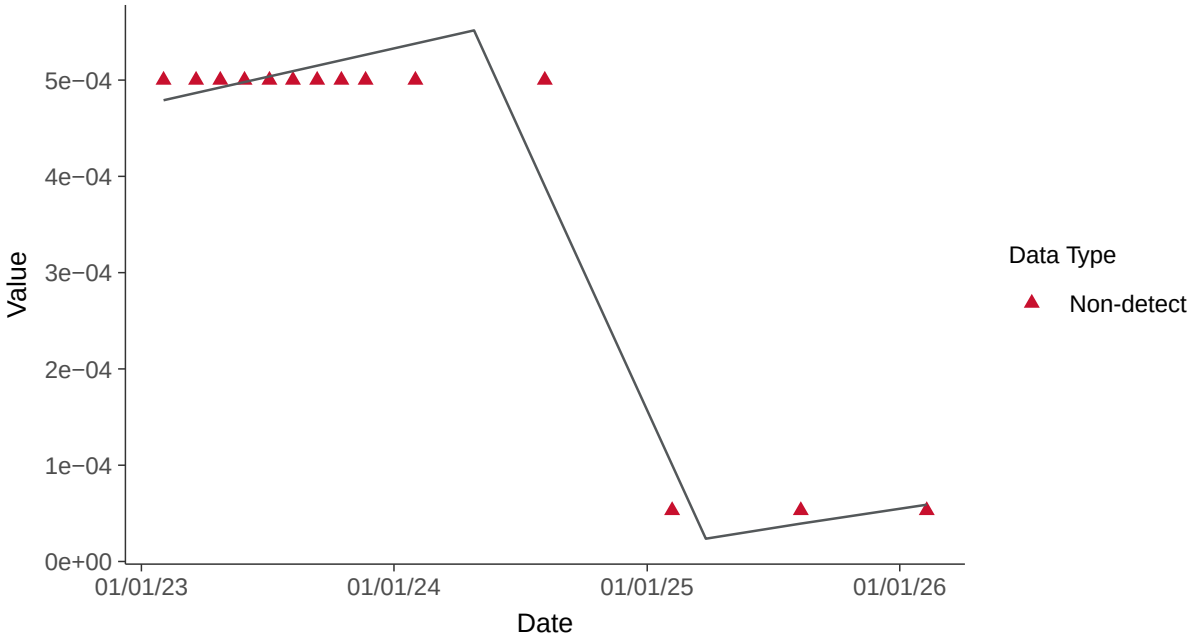
Trend Regression: Piecewise Linear-Linear

Silver, MW-16B (mg/l)



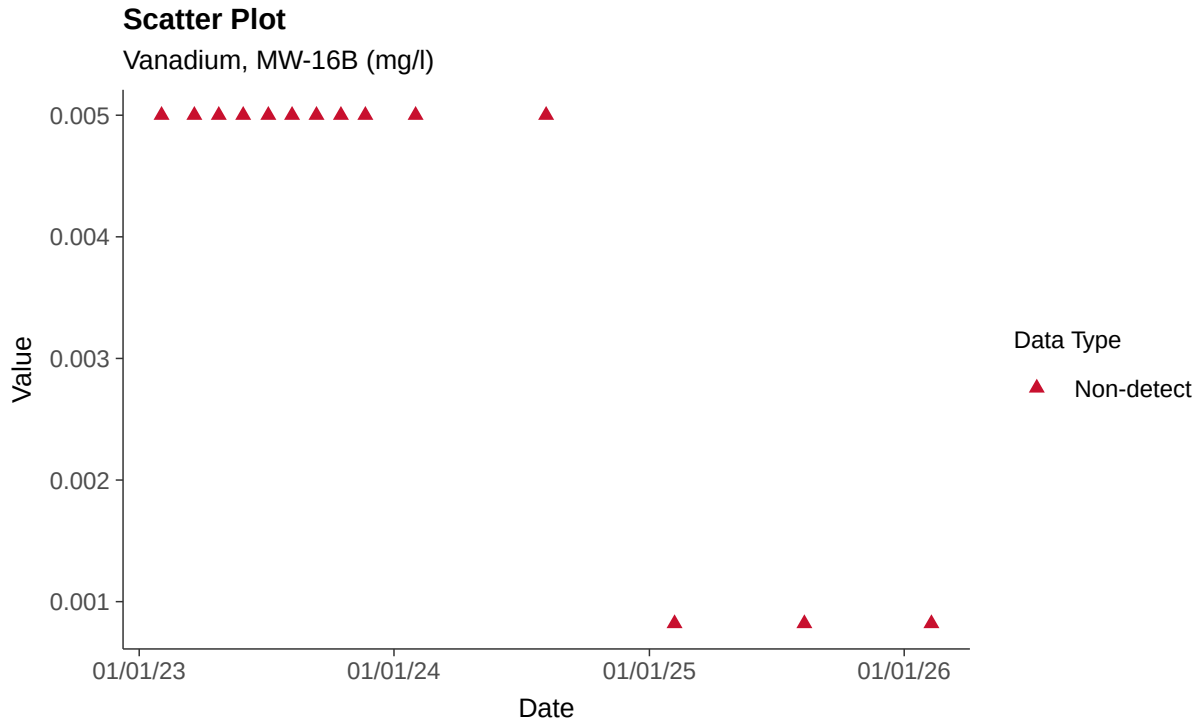
Trend Regression: Piecewise Linear-Linear-Linear

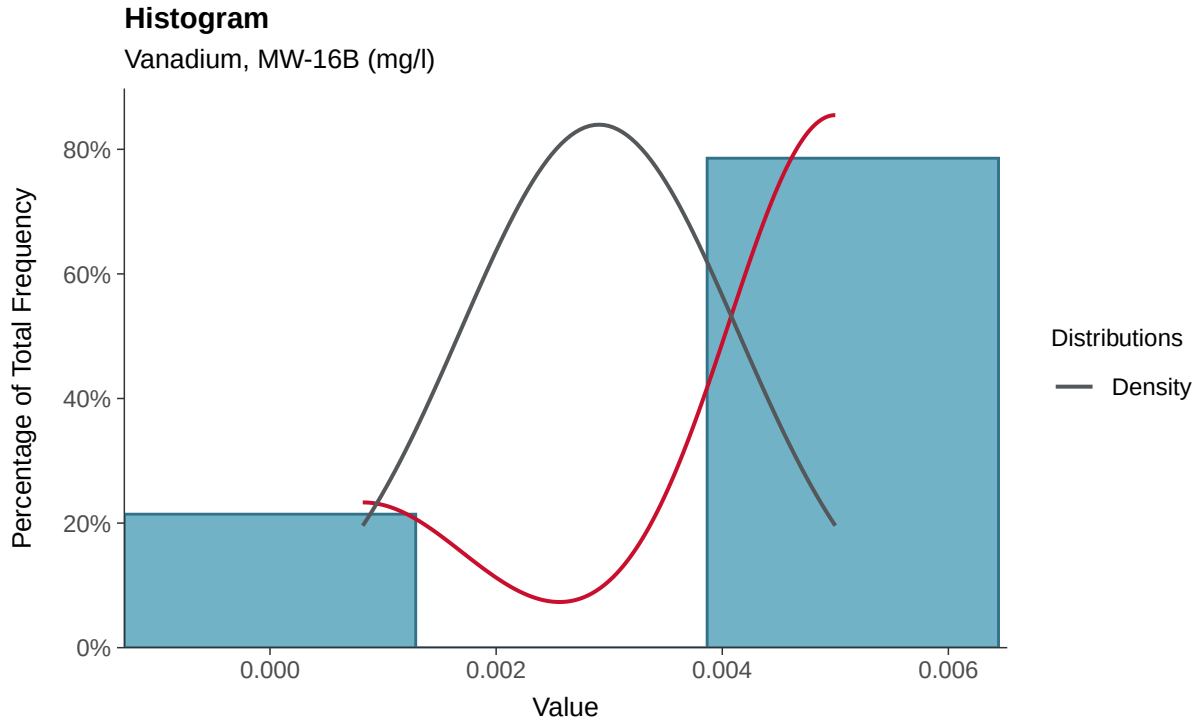
Silver, MW-16B (mg/l)



Part 115: Vanadium, MW-16B

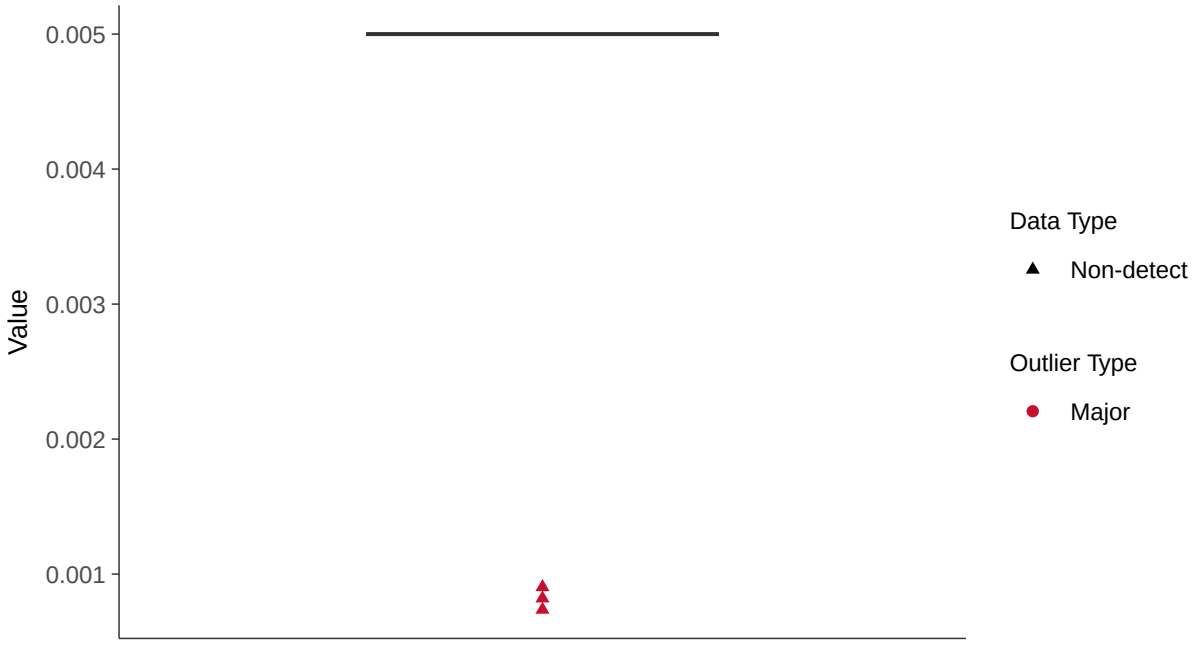
ID: 24_5_128





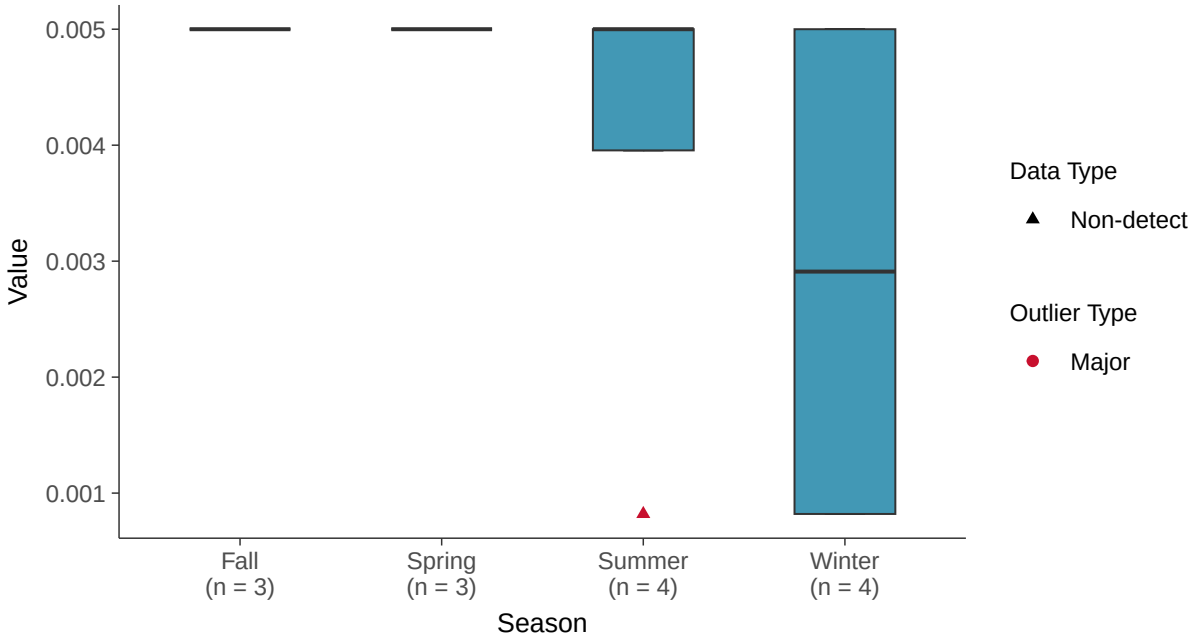
Boxplot

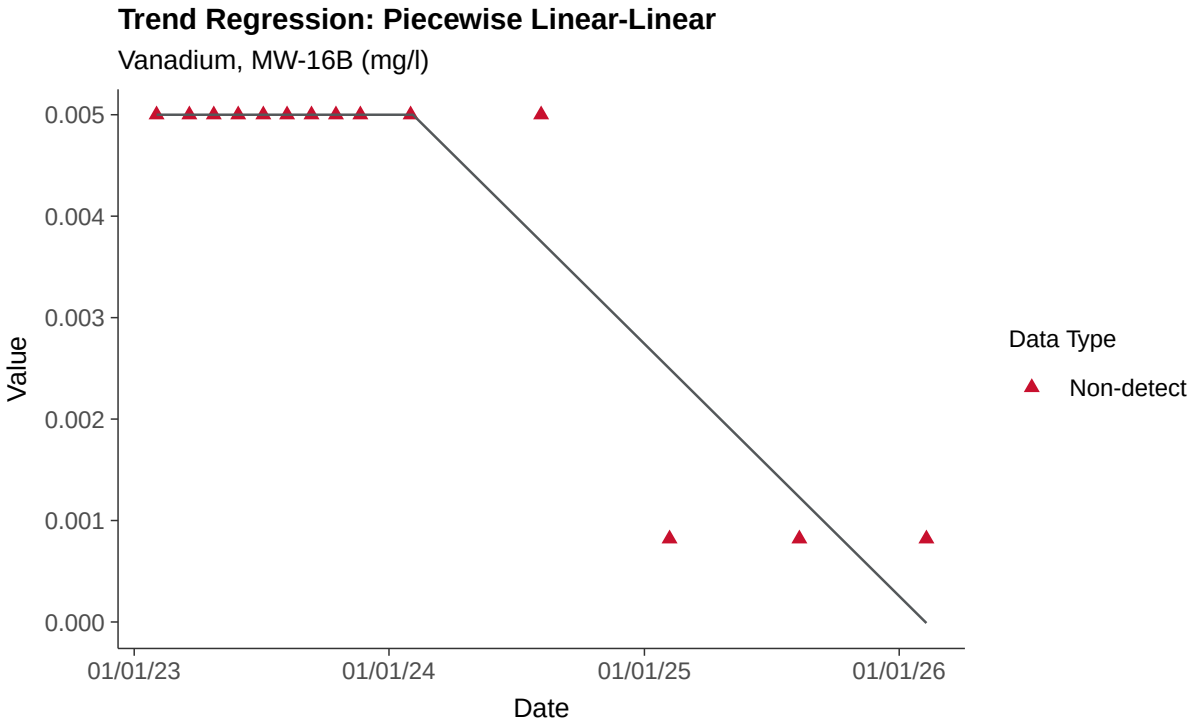
Vanadium, MW-16B (mg/l)



Boxplot by Season

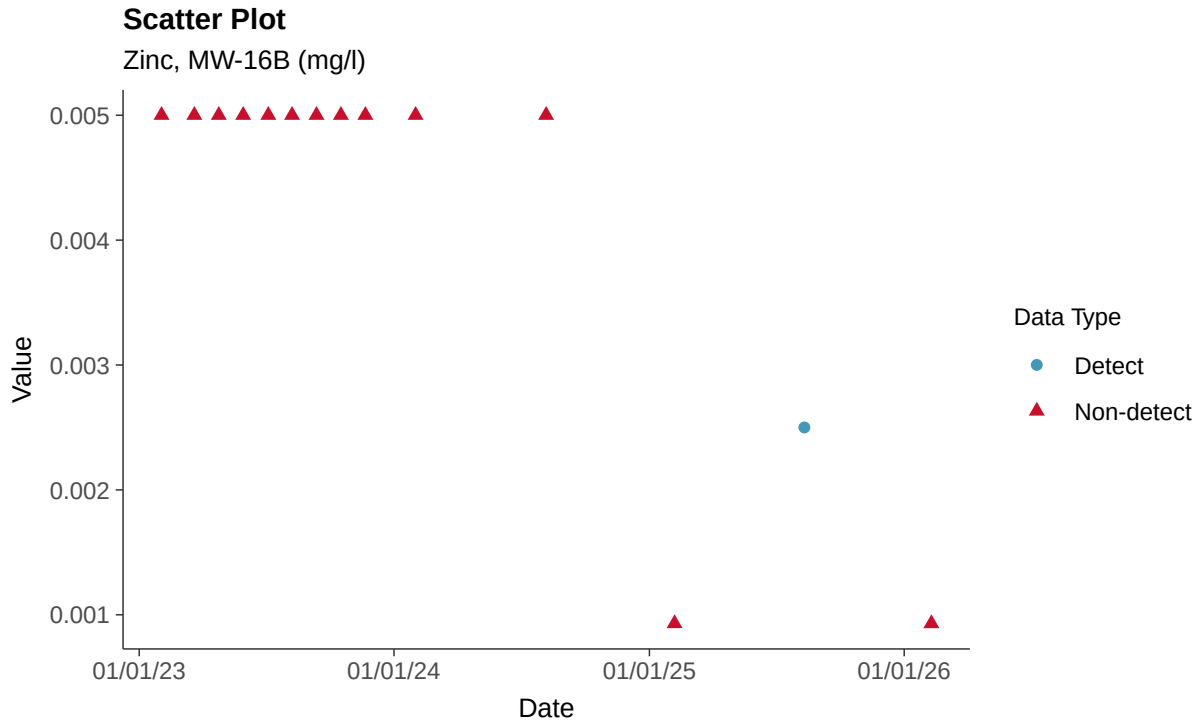
Vanadium, MW-16B (mg/l)

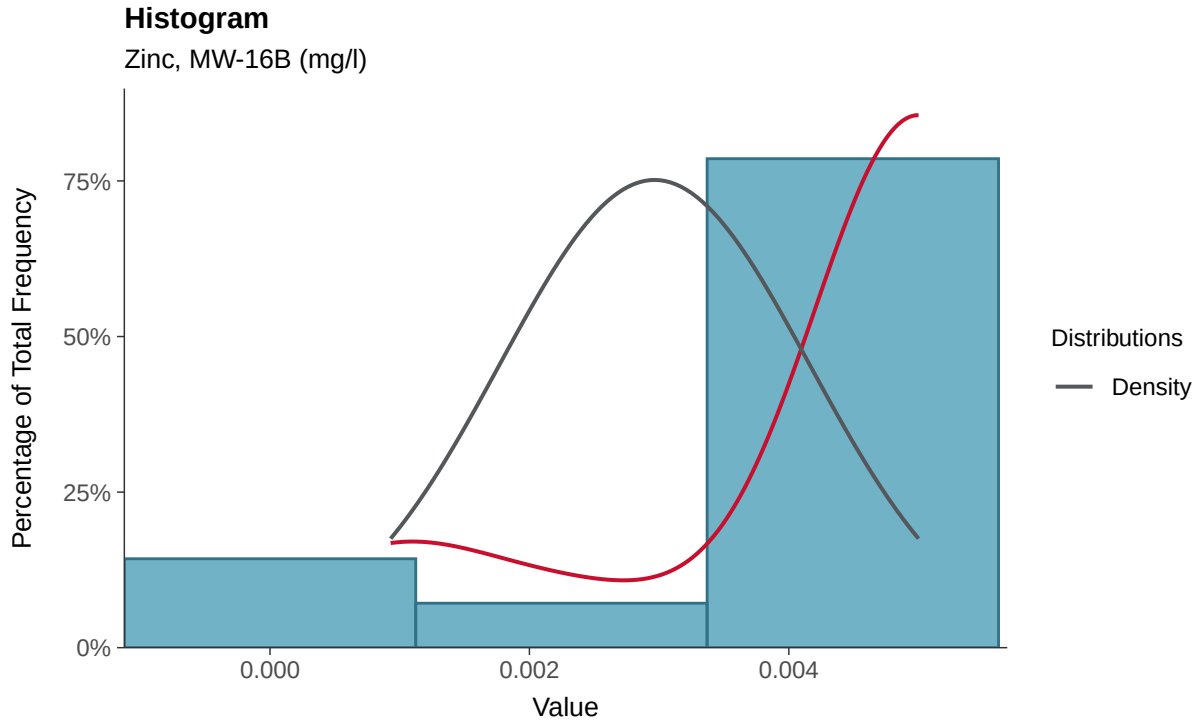



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-16B (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-16B

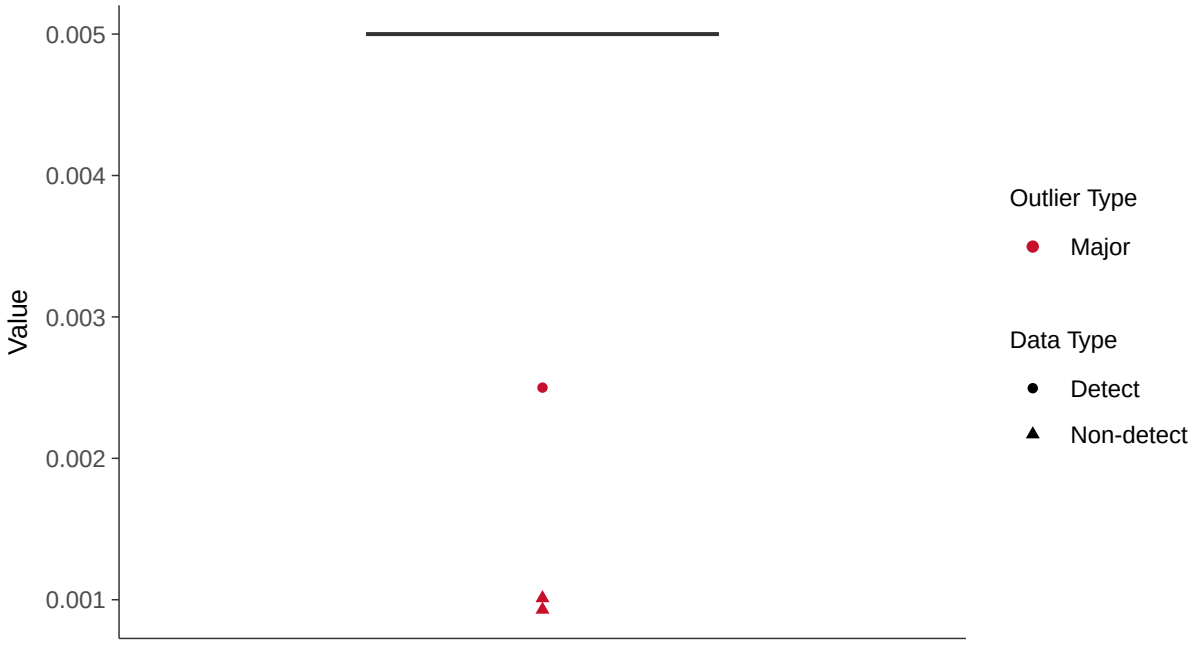
ID: 24_5_129





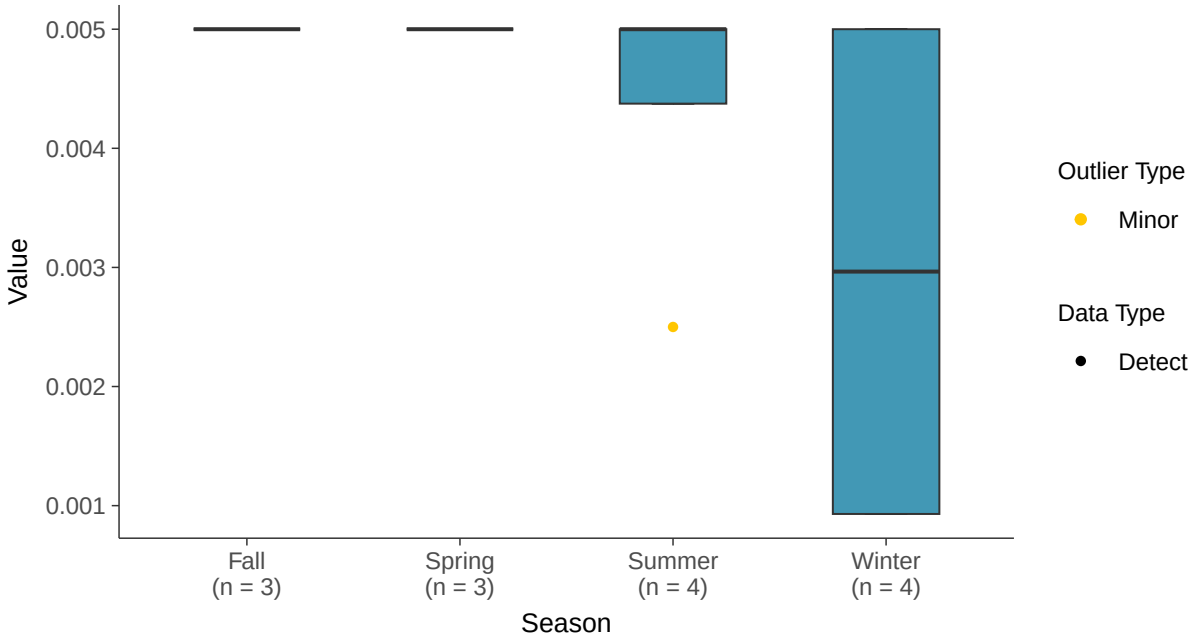
Boxplot

Zinc, MW-16B (mg/l)



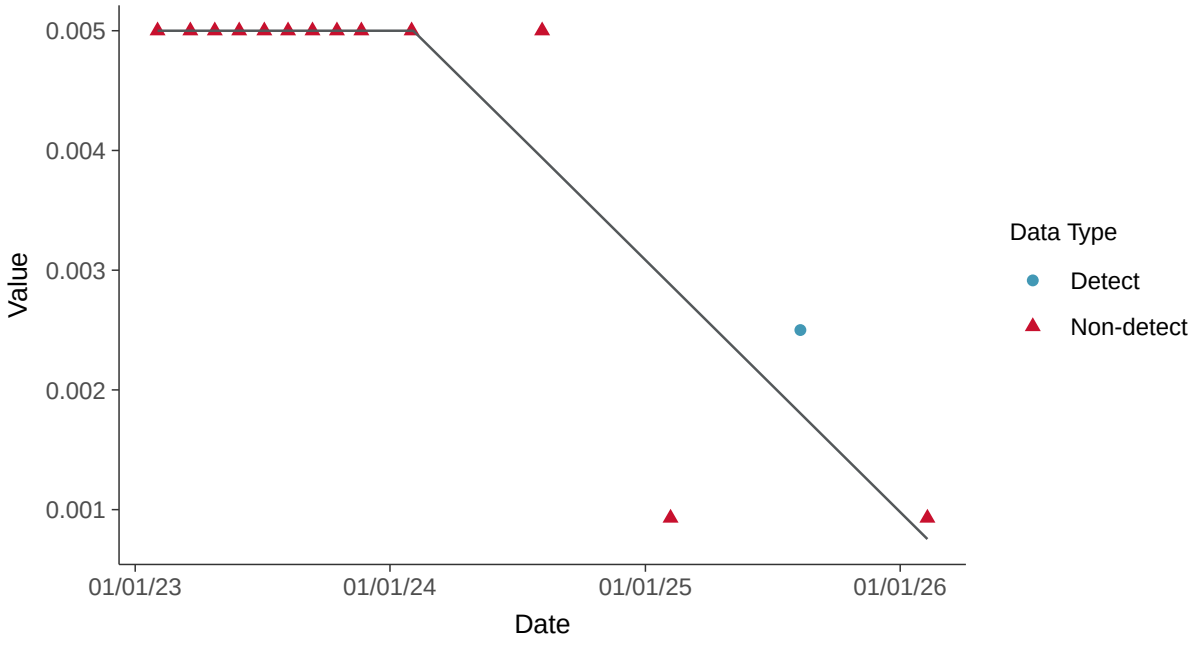
Boxplot by Season

Zinc, MW-16B (mg/l)



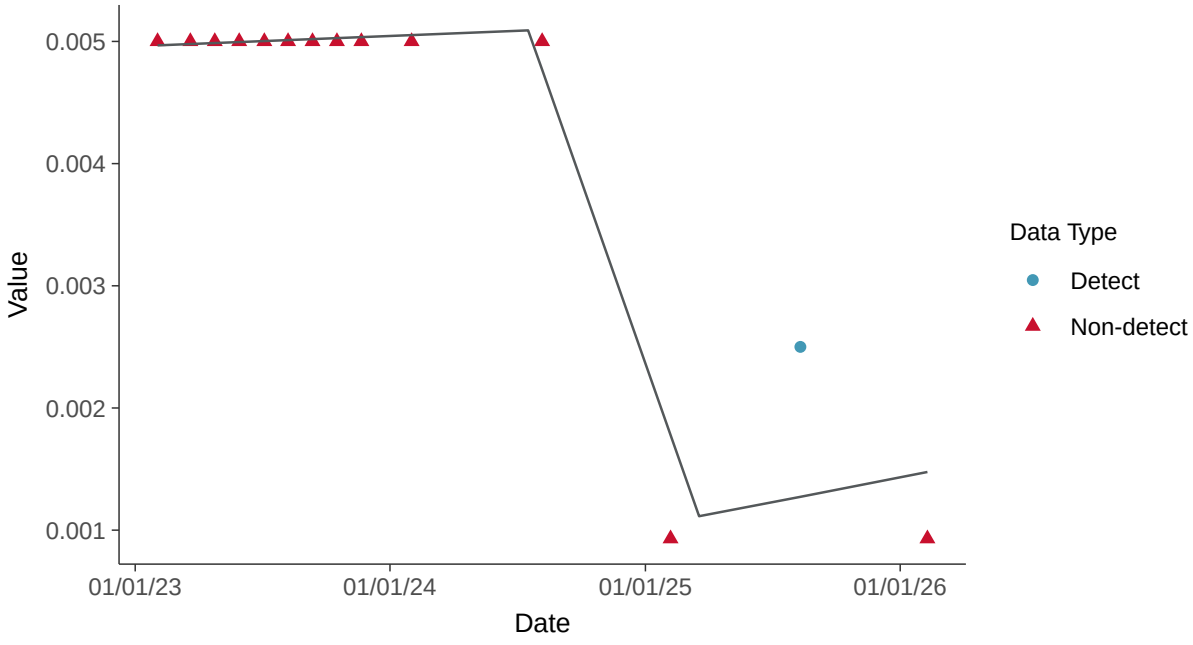
Trend Regression: Piecewise Linear-Linear

Zinc, MW-16B (mg/l)



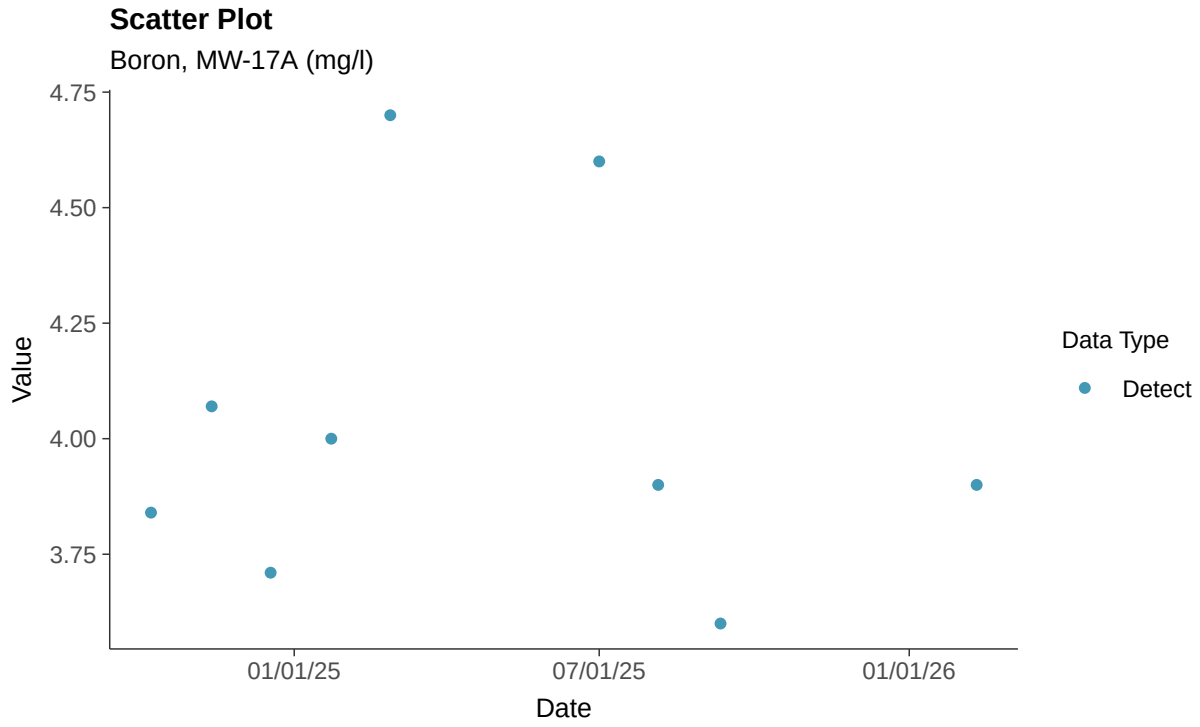
Trend Regression: Piecewise Linear-Linear-Linear

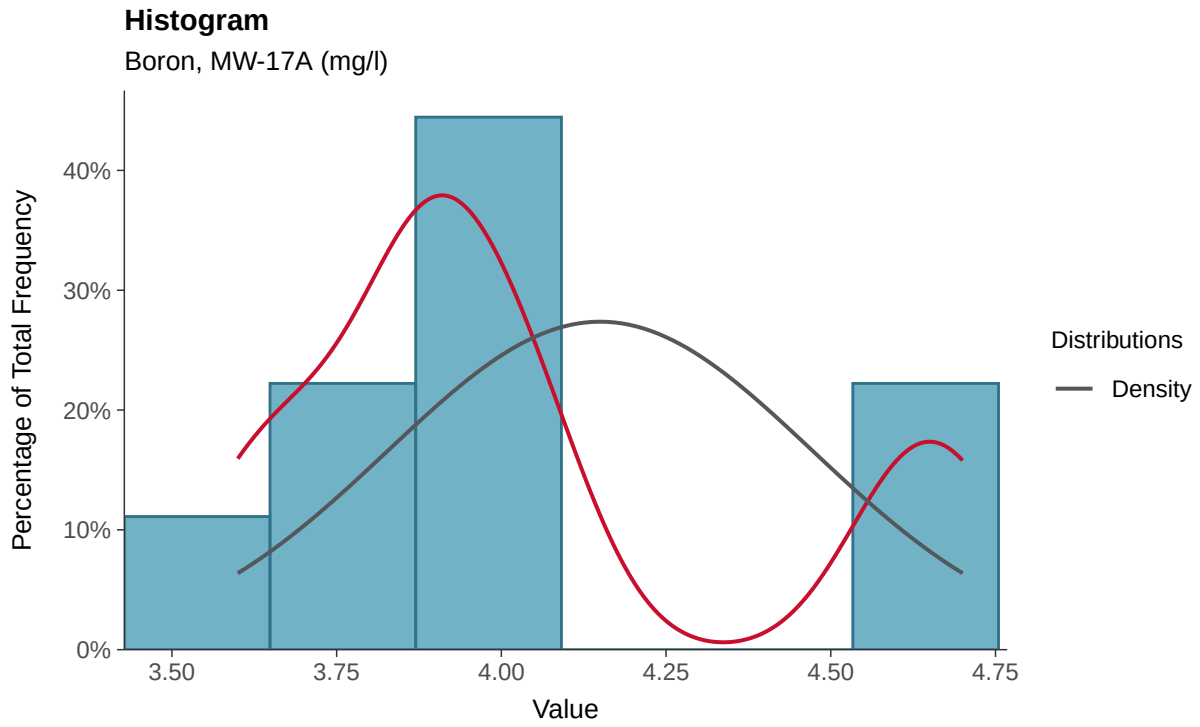
Zinc, MW-16B (mg/l)



Appendix III: Boron, MW-17A

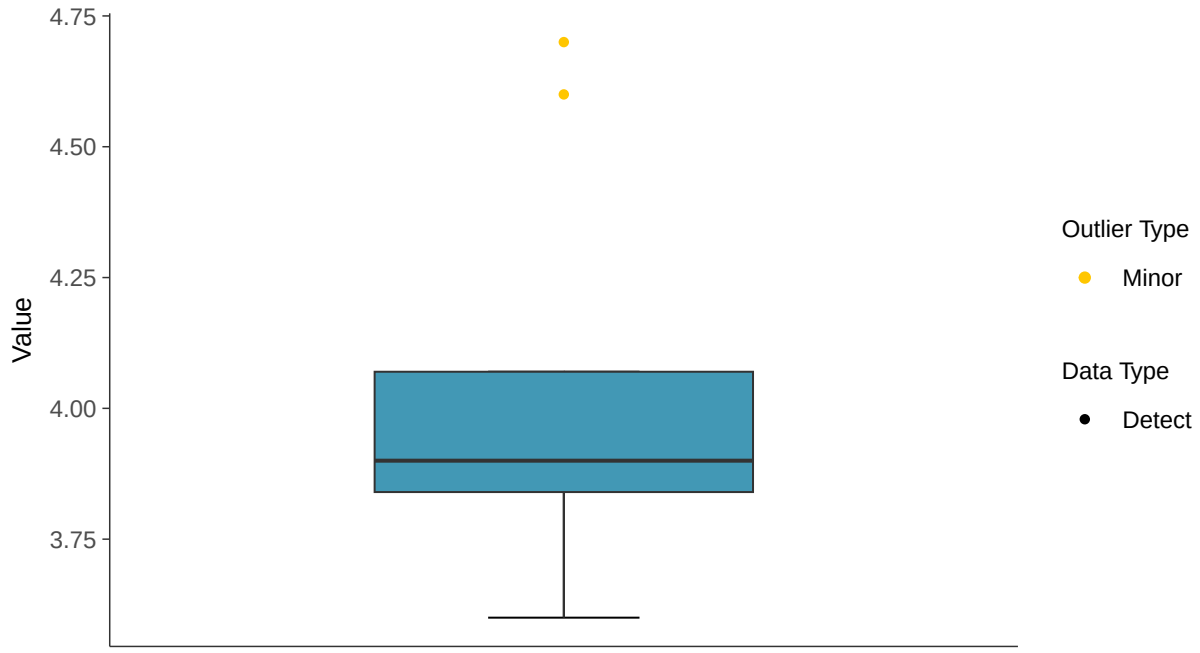
ID: 25_2_105





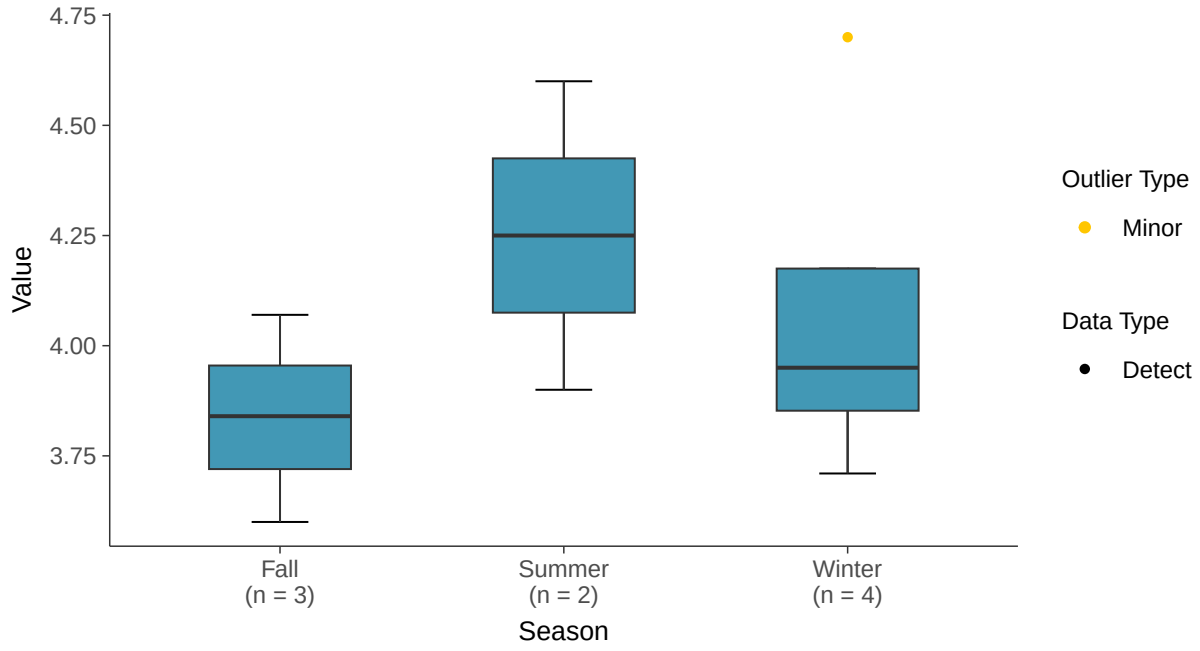
Boxplot

Boron, MW-17A (mg/l)



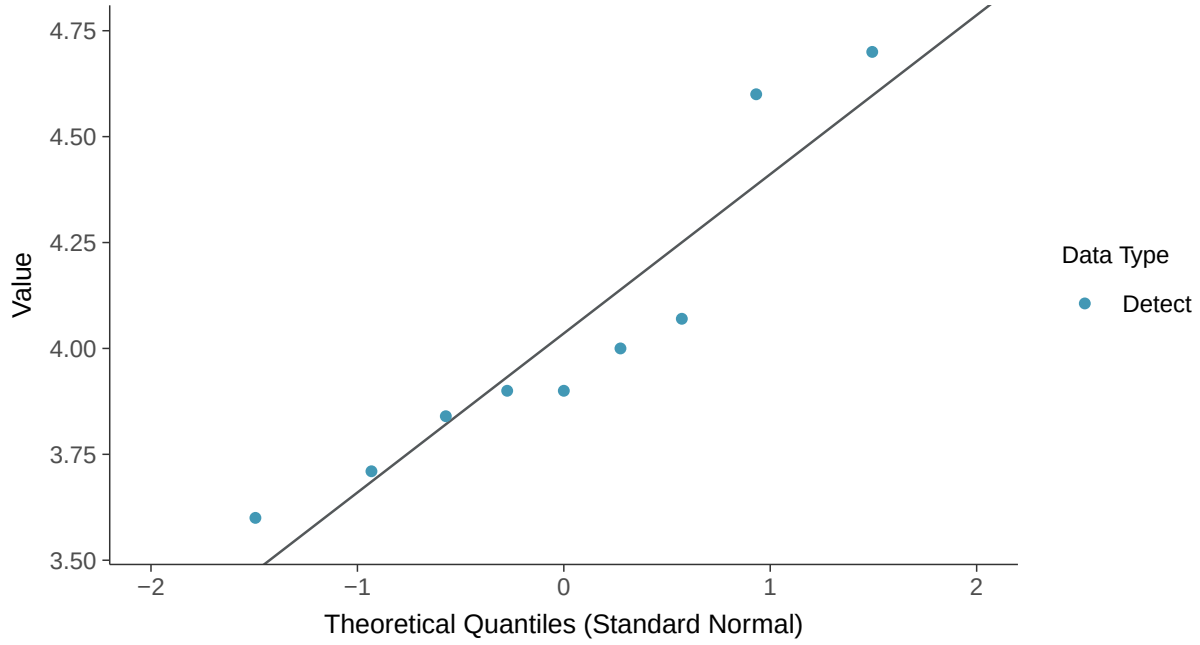
Boxplot by Season

Boron, MW-17A (mg/l)



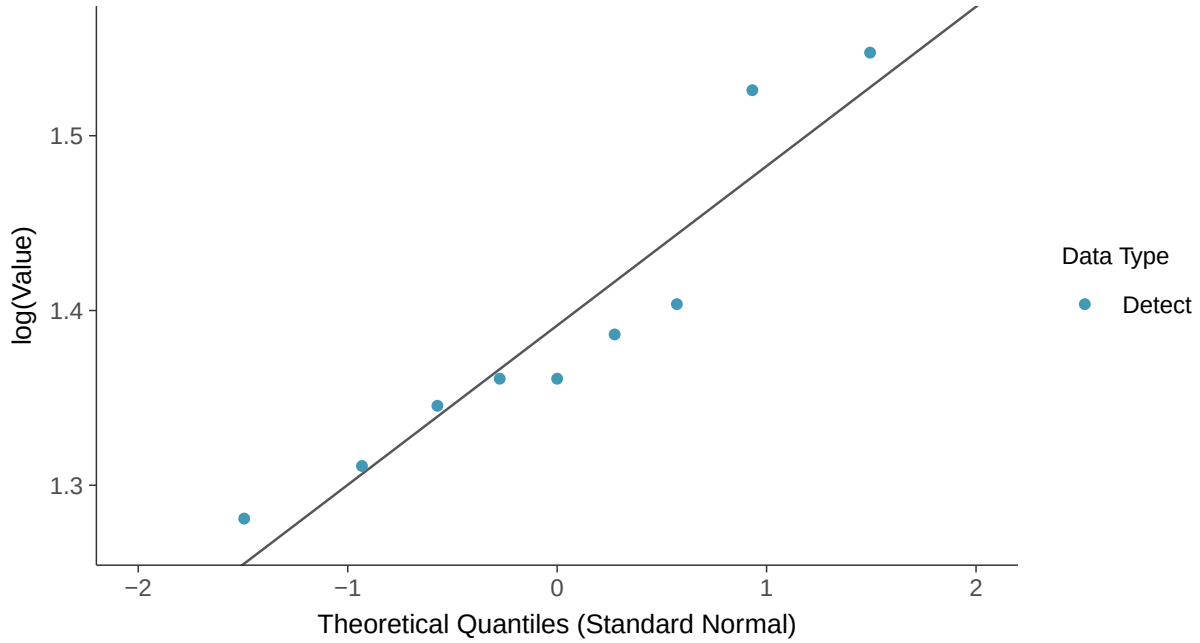
Normal Q-Q plot

Boron, MW-17A (mg/l)



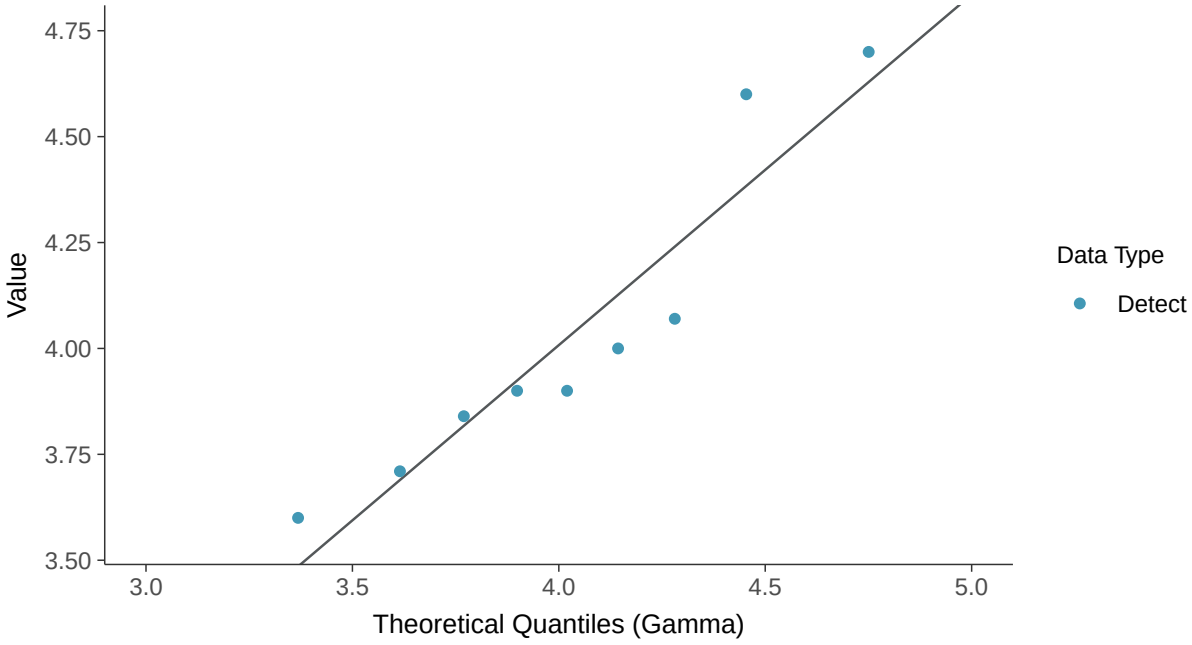
Lognormal Q-Q plot

Boron, MW-17A (mg/l)



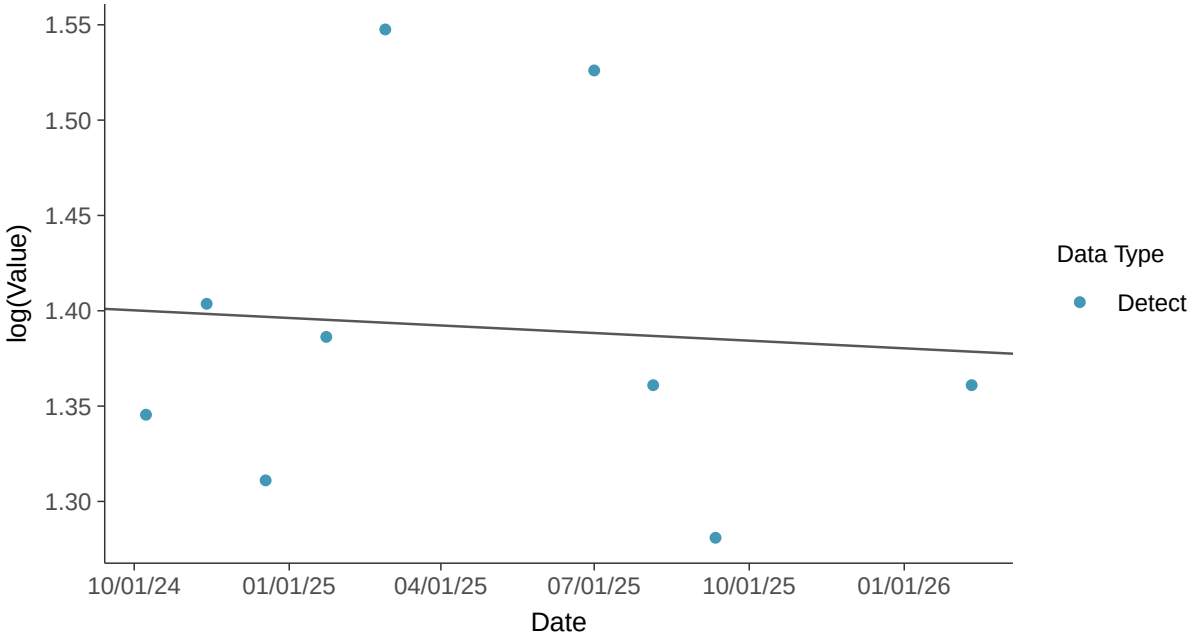
Gamma Q-Q plot

Boron, MW-17A (mg/l)



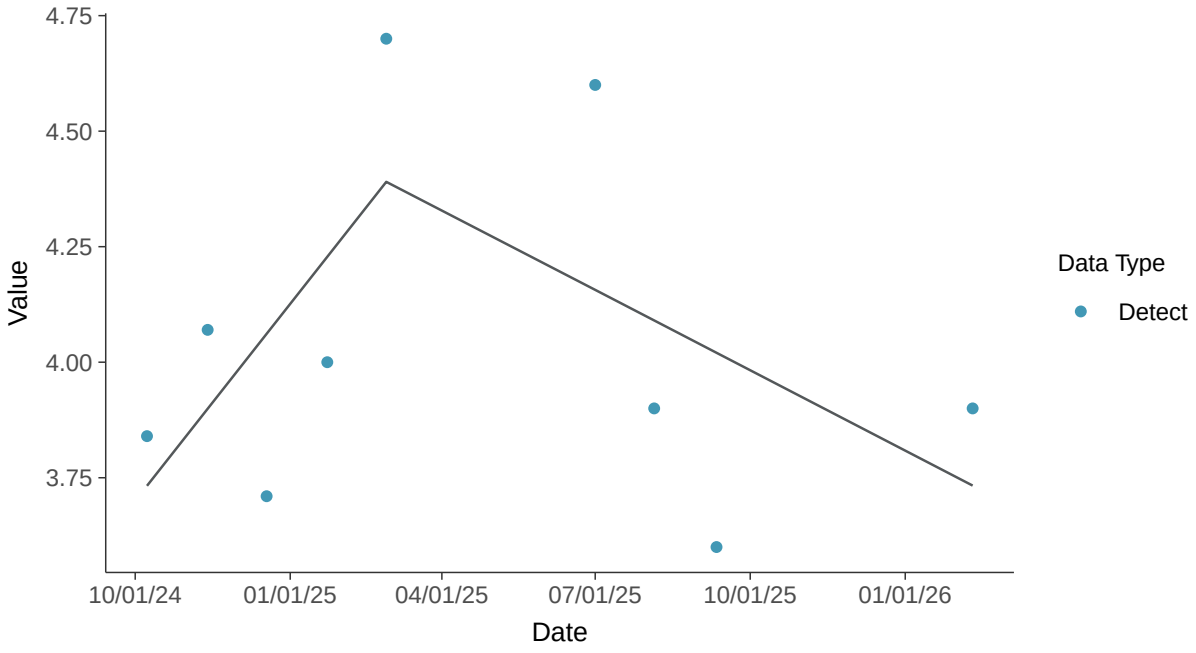
Trend Regression: Lognormal MLE

Boron, MW-17A (mg/l)



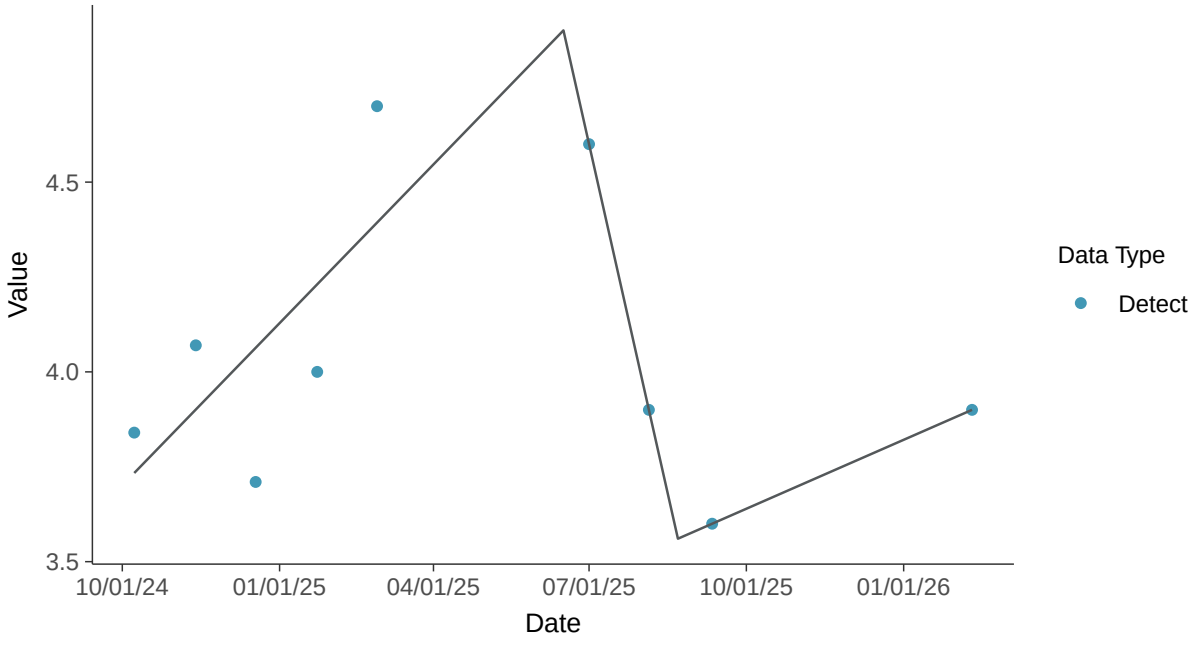
Trend Regression: Piecewise Linear-Linear

Boron, MW-17A (mg/l)



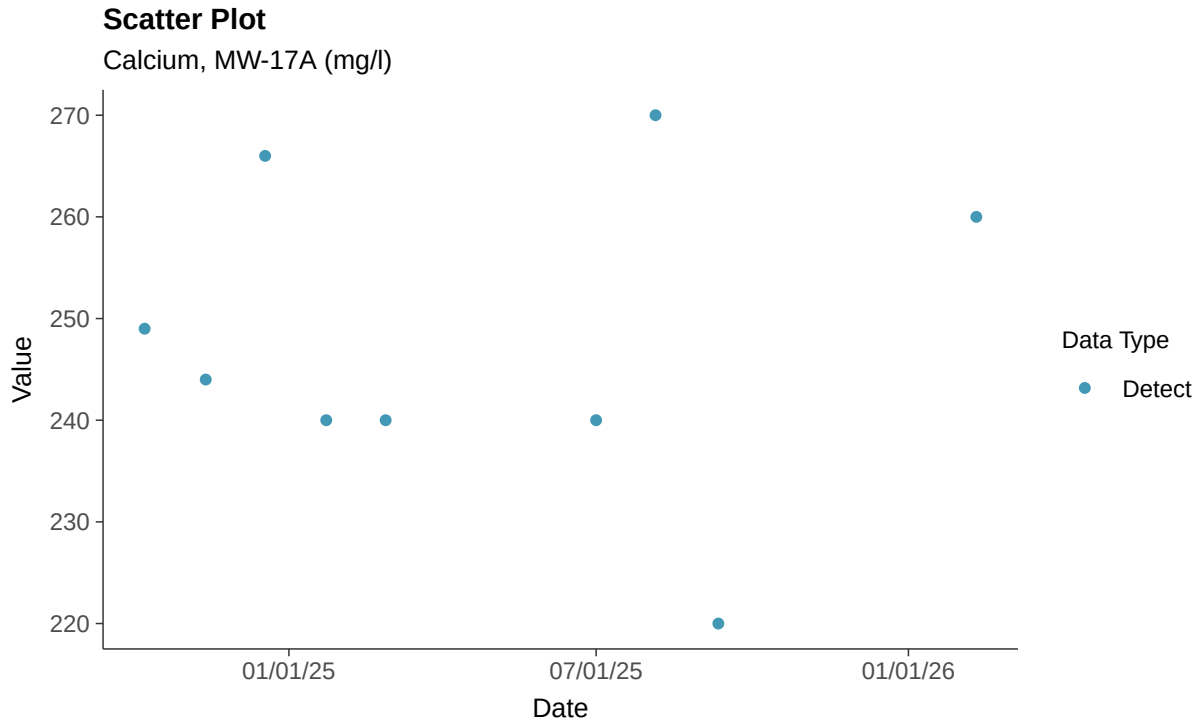
Trend Regression: Piecewise Linear-Linear-Linear

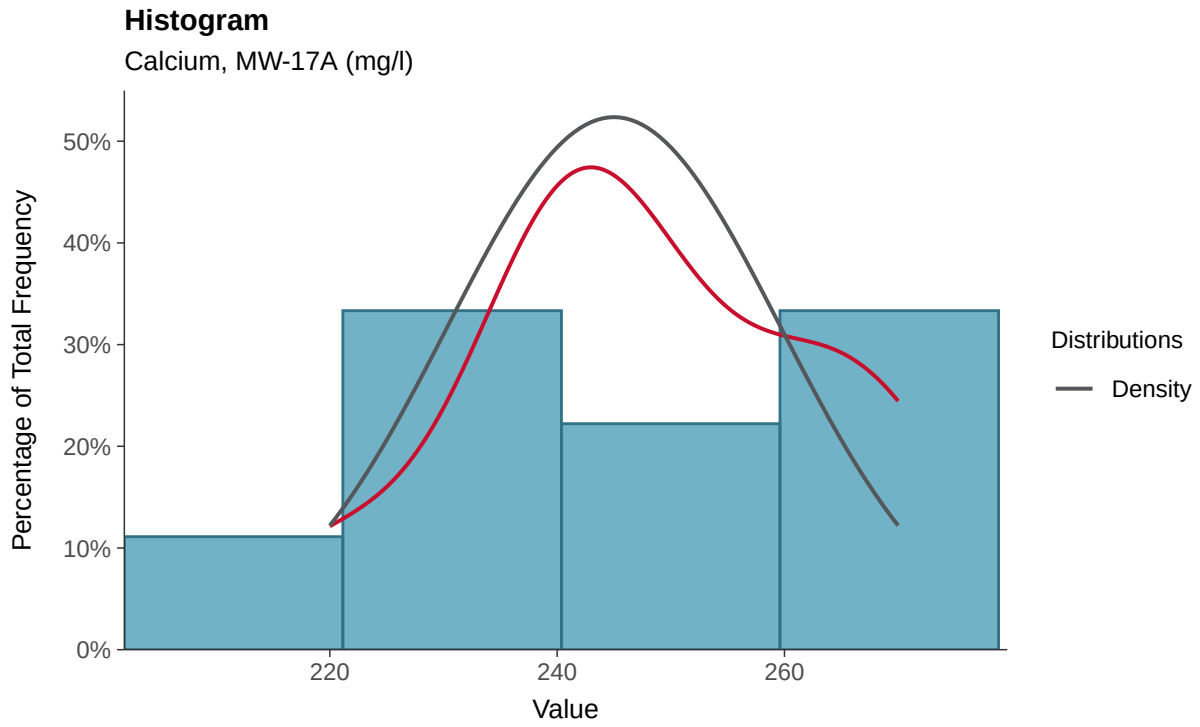
Boron, MW-17A (mg/l)



Appendix III: Calcium, MW-17A

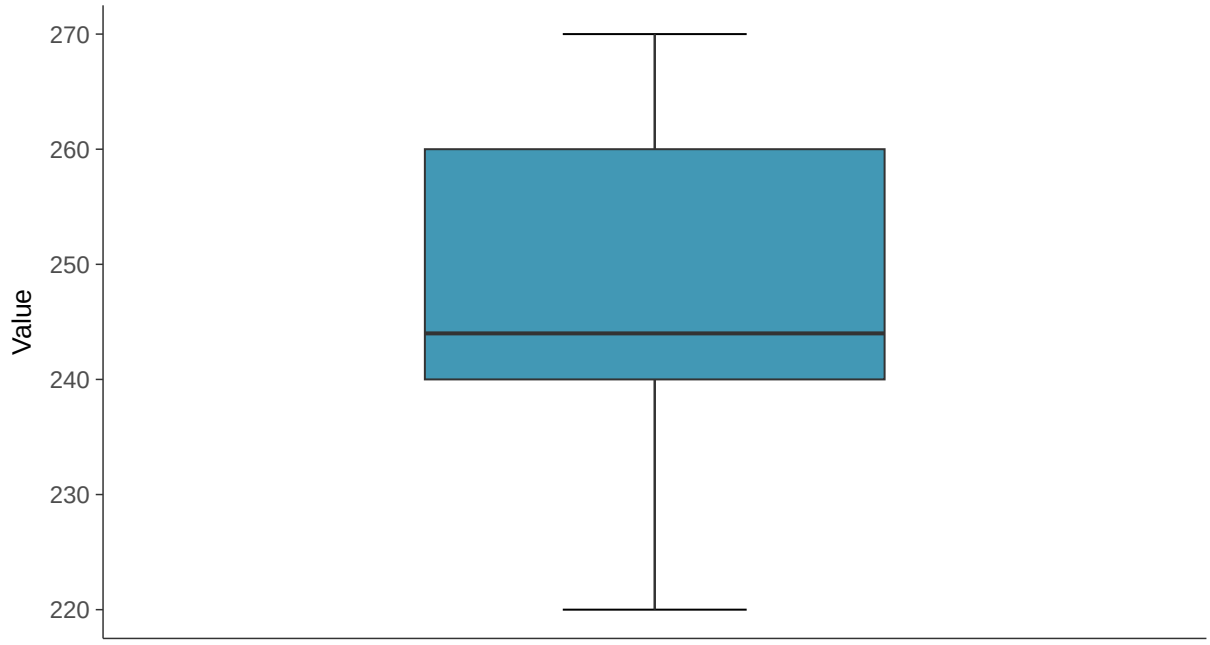
ID: 25_2_107





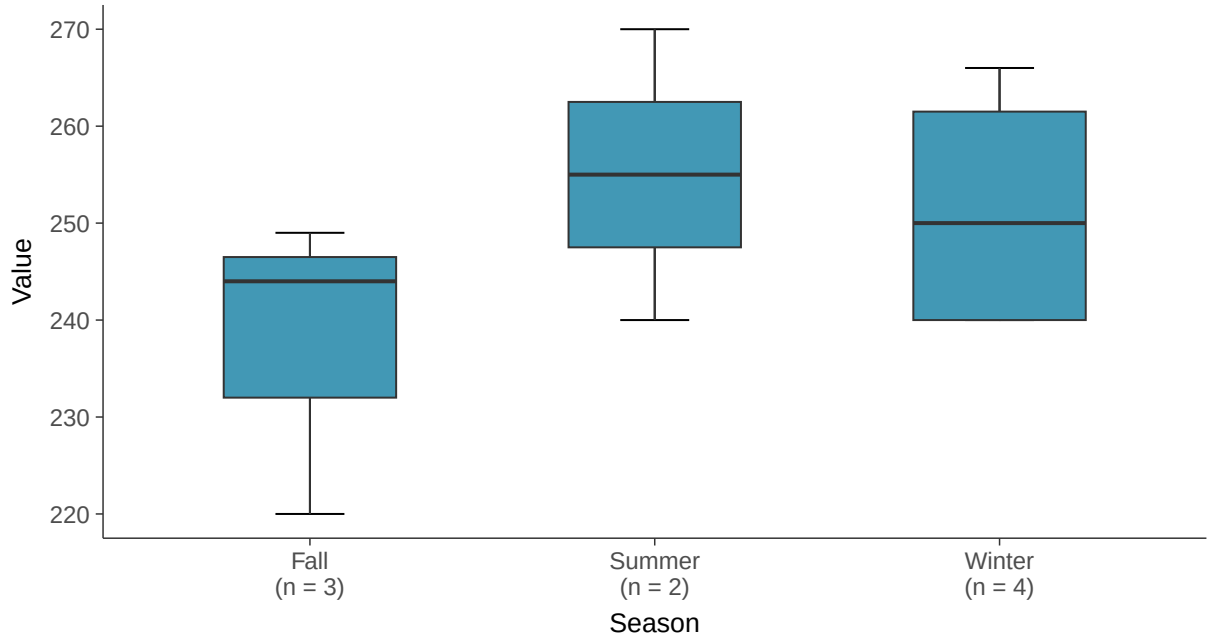
Boxplot

Calcium, MW-17A (mg/l)



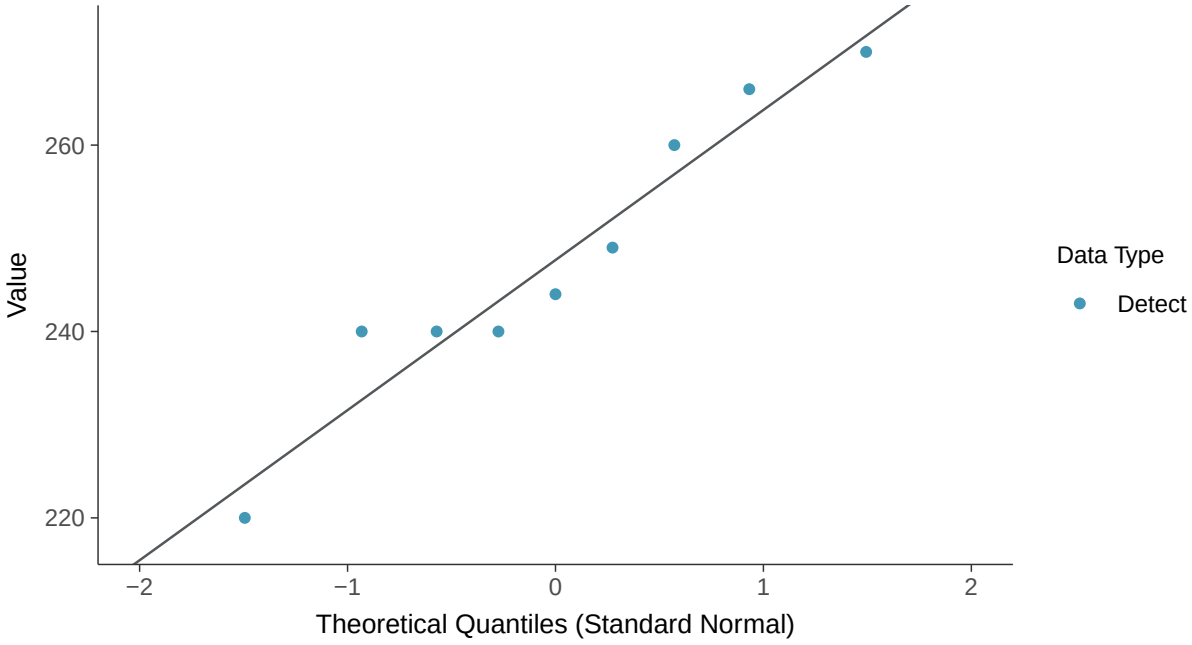
Boxplot by Season

Calcium, MW-17A (mg/l)



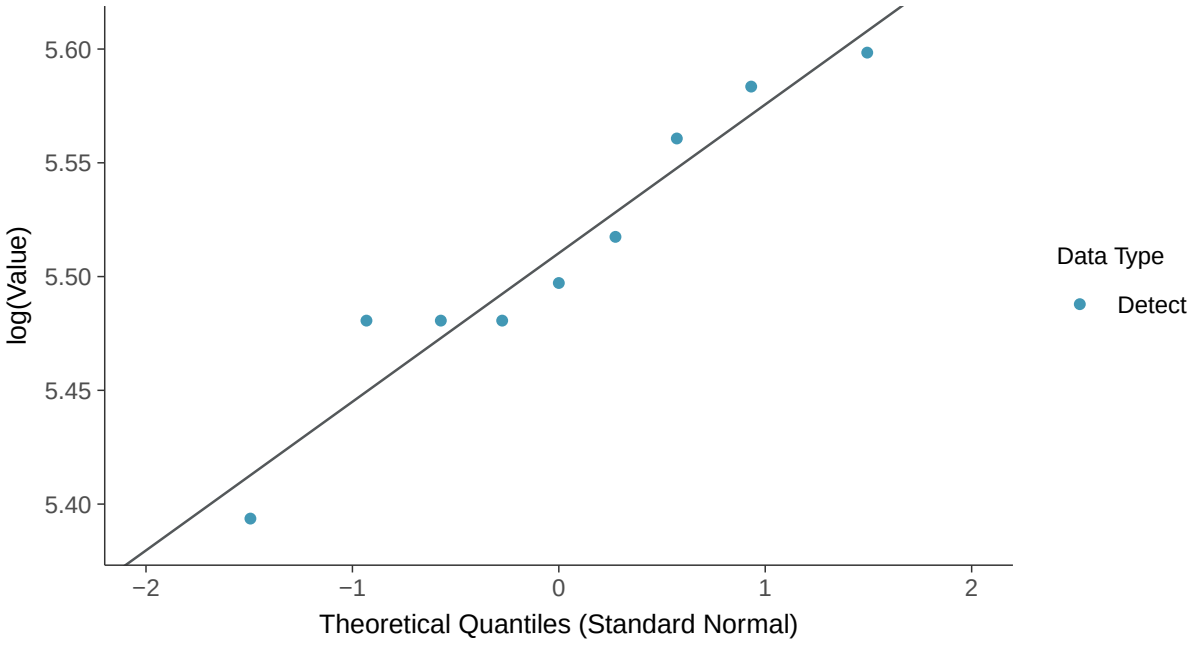
Normal Q-Q plot

Calcium, MW-17A (mg/l)



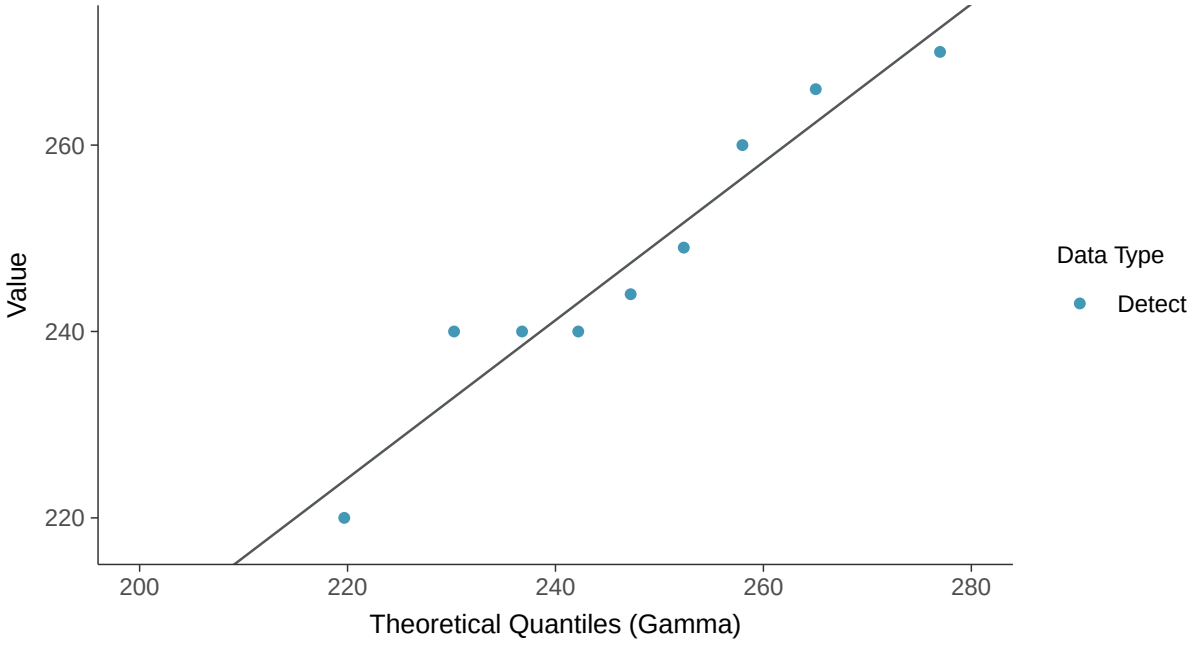
Lognormal Q-Q plot

Calcium, MW-17A (mg/l)



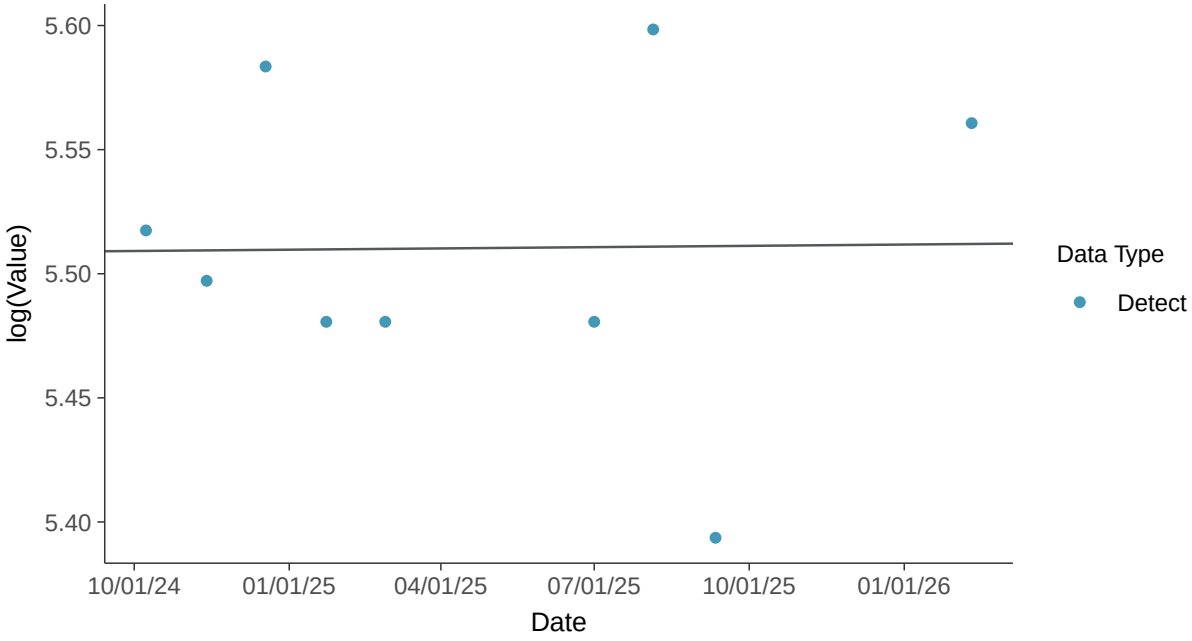
Gamma Q-Q plot

Calcium, MW-17A (mg/l)



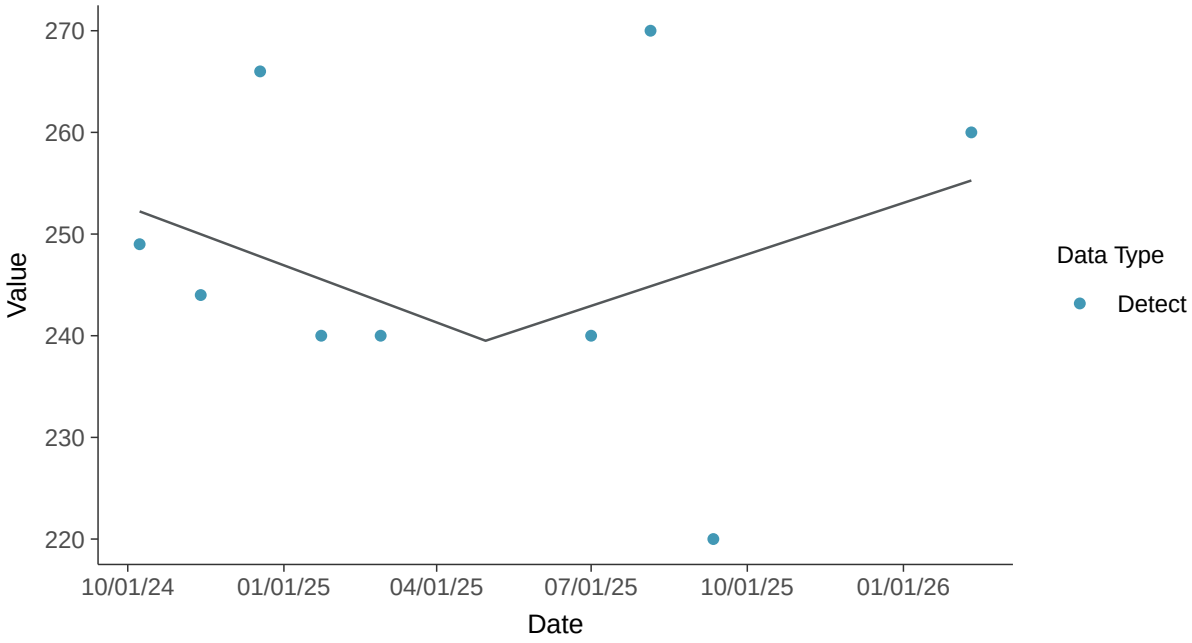
Trend Regression: Lognormal MLE

Calcium, MW-17A (mg/l)



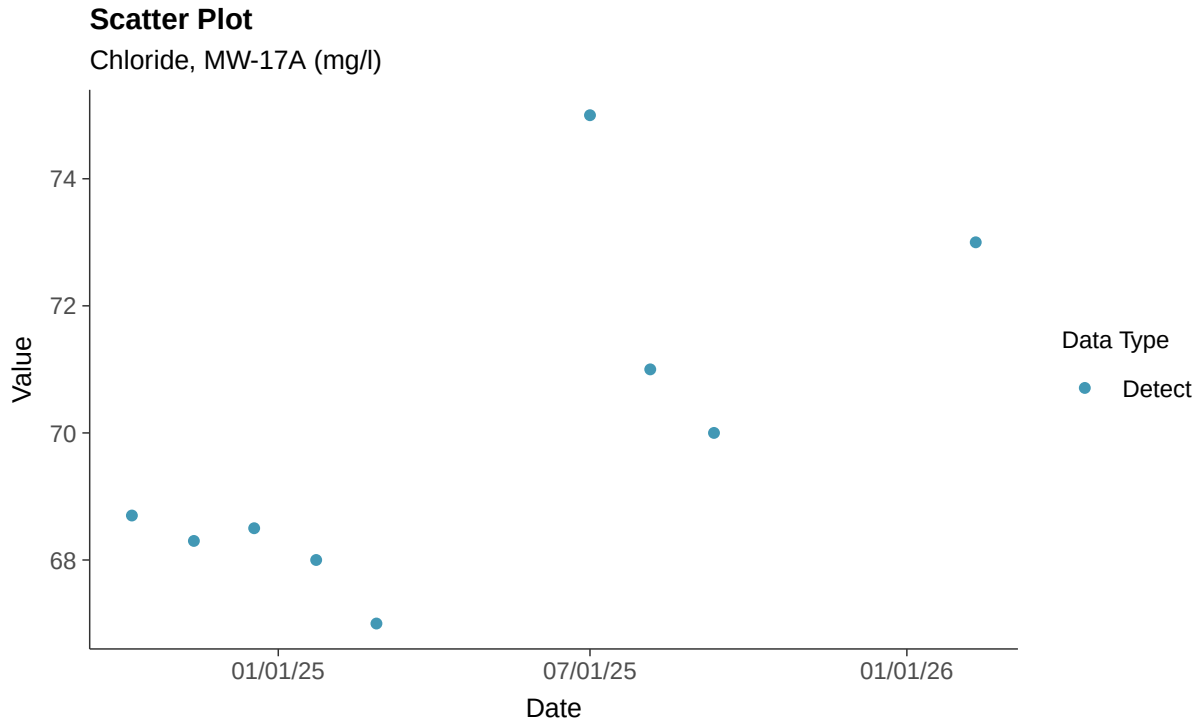
Trend Regression: Piecewise Linear-Linear

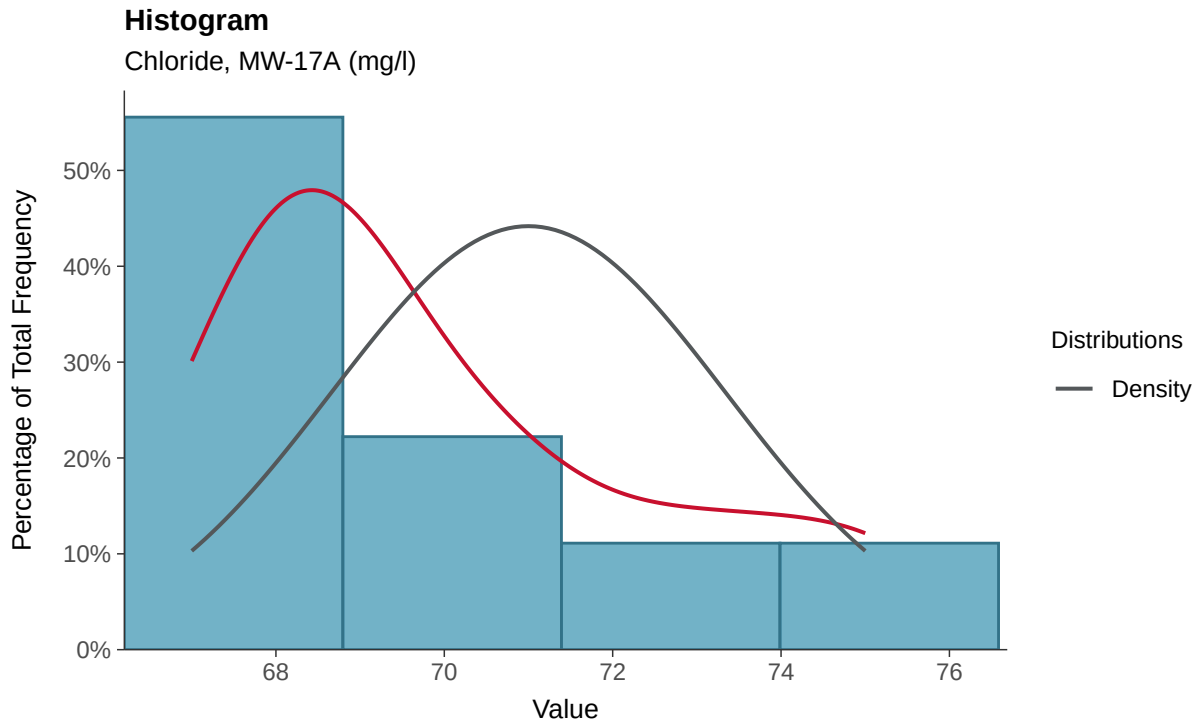
Calcium, MW-17A (mg/l)



Appendix III: Chloride, MW-17A

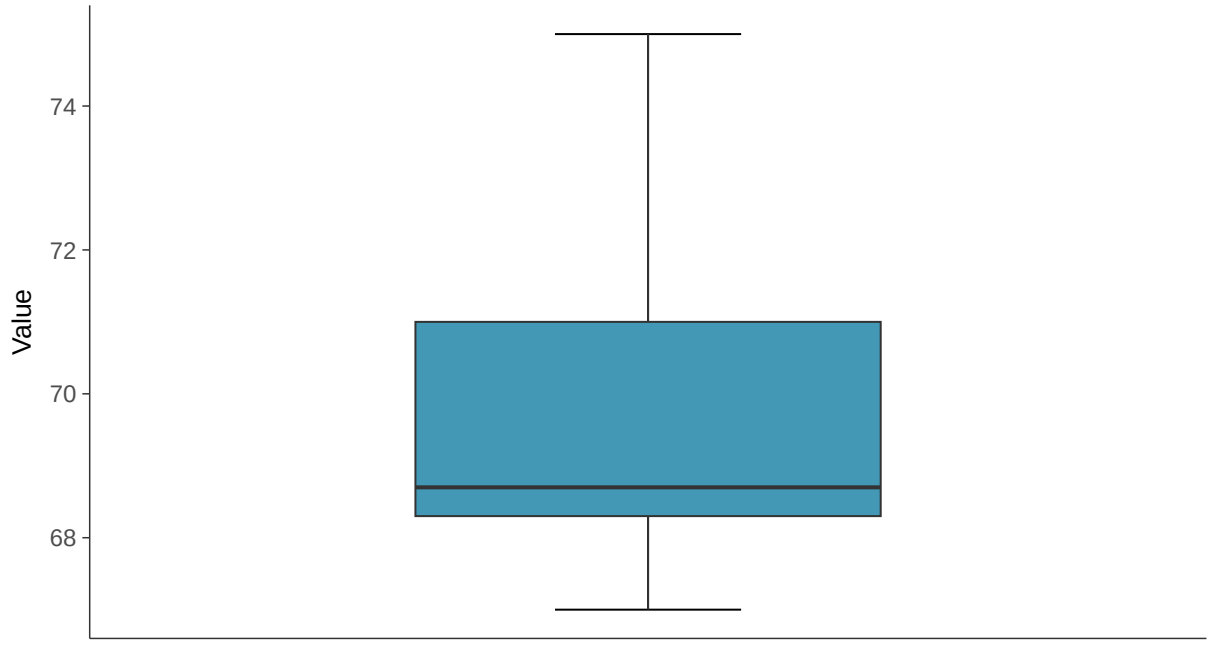
ID: 25_2_108





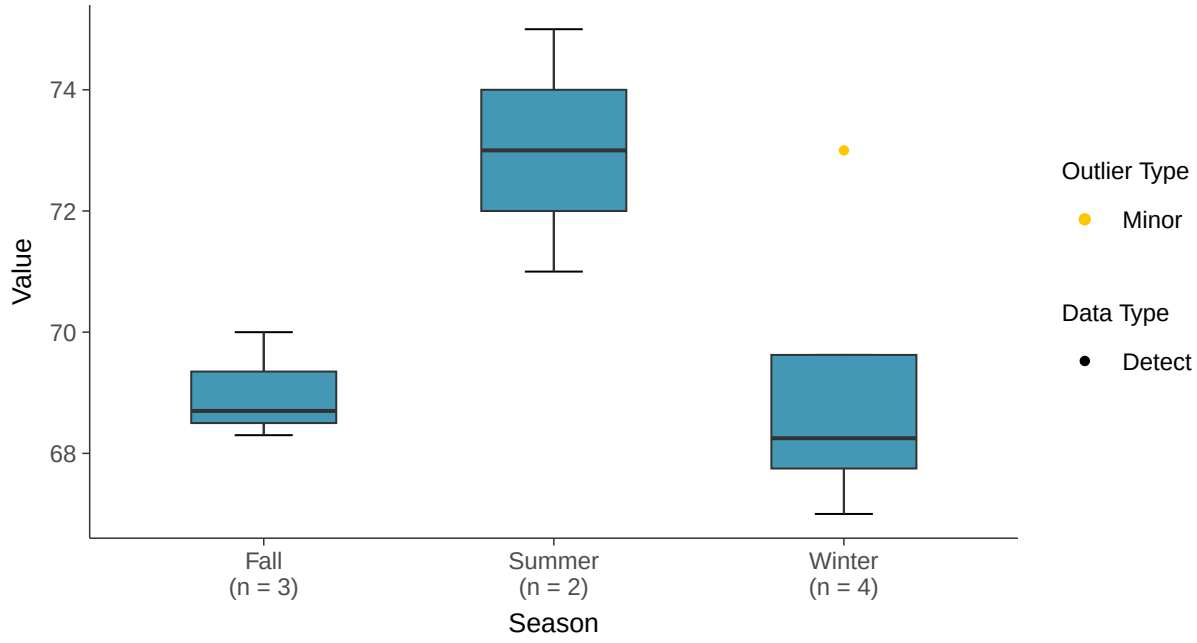
Boxplot

Chloride, MW-17A (mg/l)



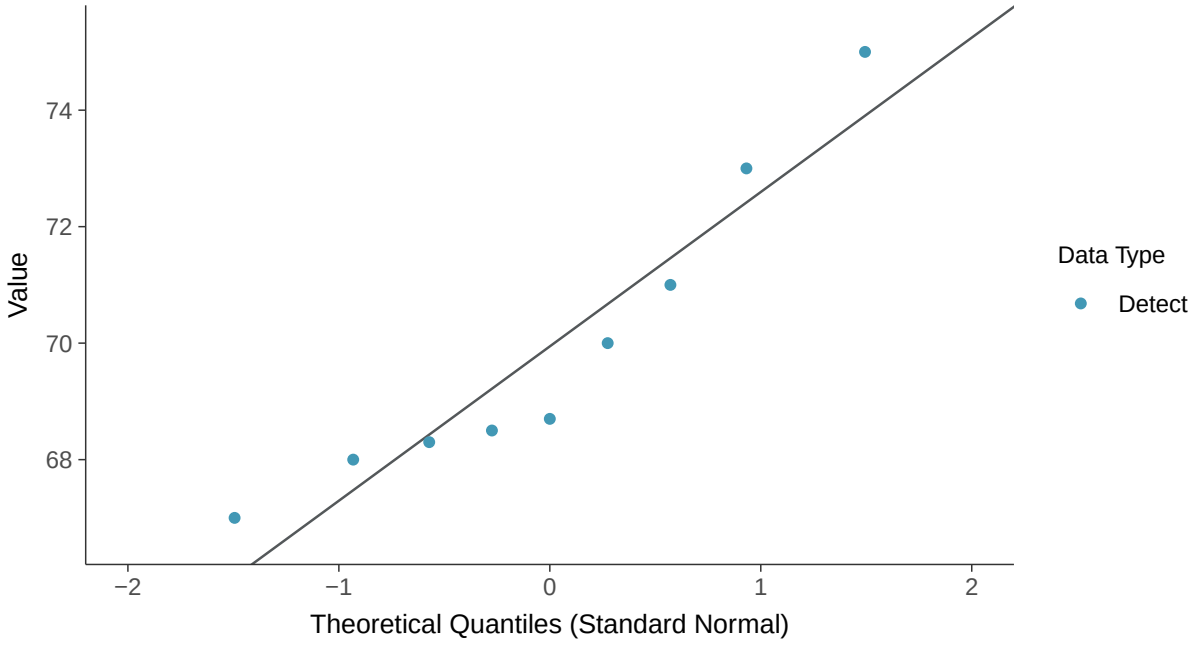
Boxplot by Season

Chloride, MW-17A (mg/l)



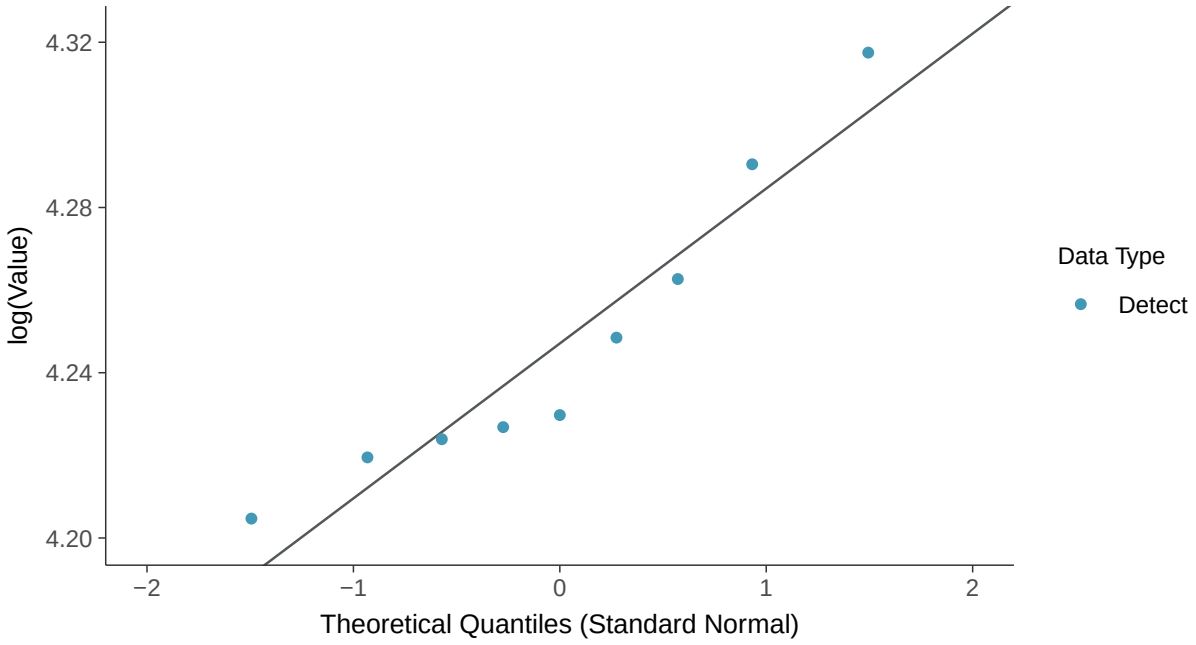
Normal Q-Q plot

Chloride, MW-17A (mg/l)



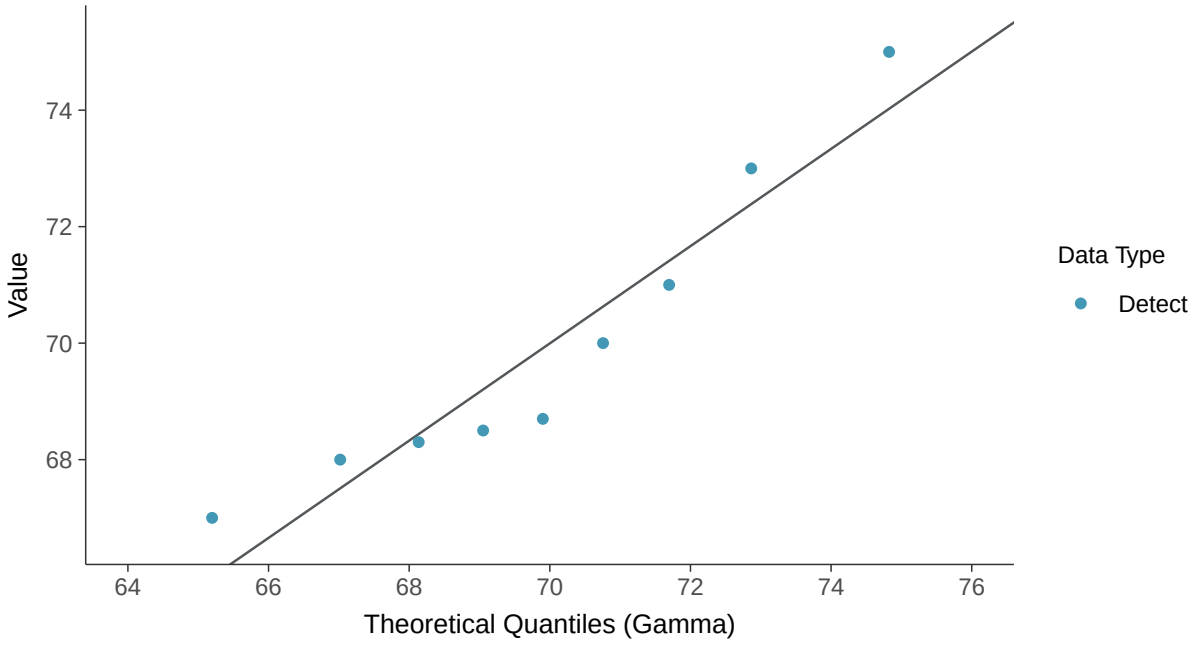
Lognormal Q-Q plot

Chloride, MW-17A (mg/l)



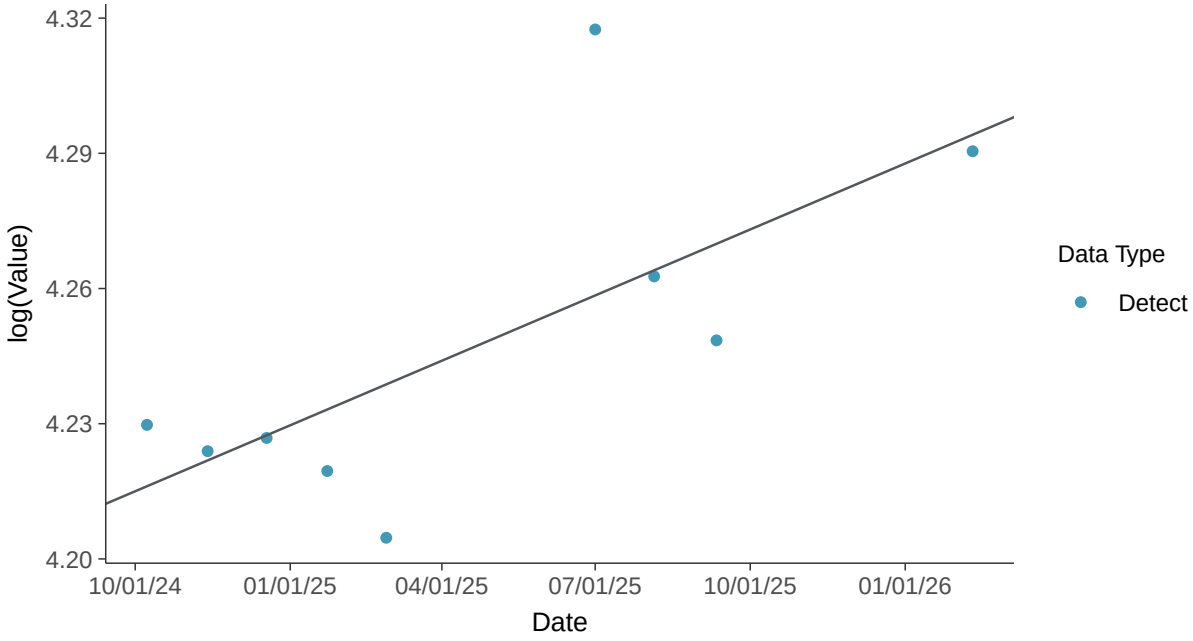
Gamma Q-Q plot

Chloride, MW-17A (mg/l)



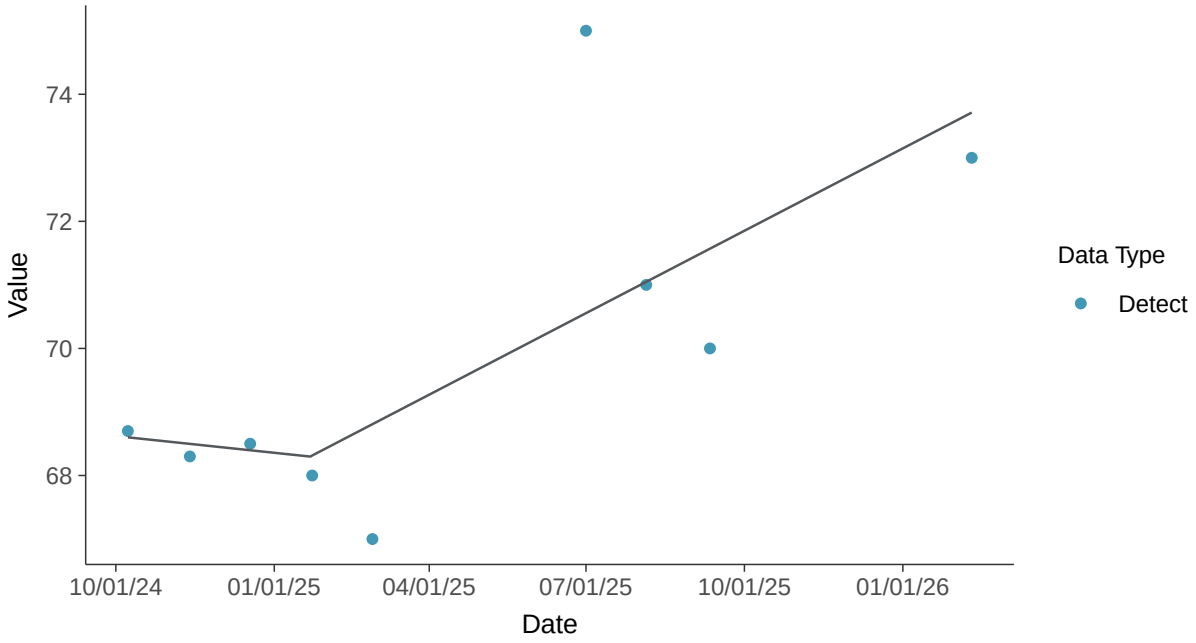
Trend Regression: Lognormal MLE

Chloride, MW-17A (mg/l)



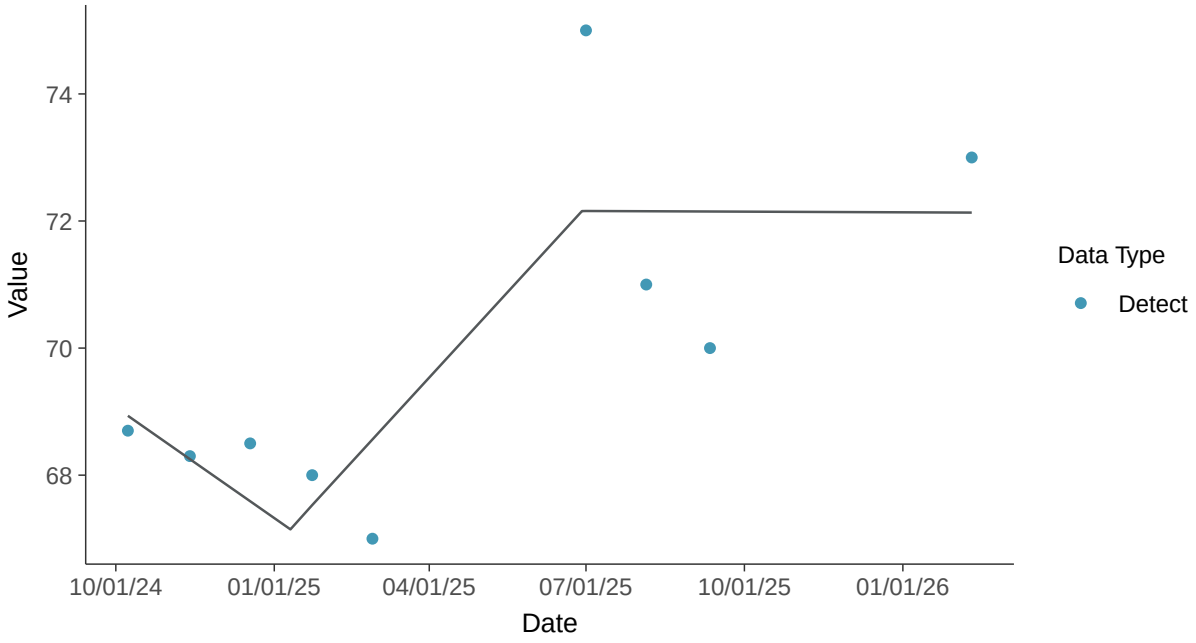
Trend Regression: Piecewise Linear-Linear

Chloride, MW-17A (mg/l)



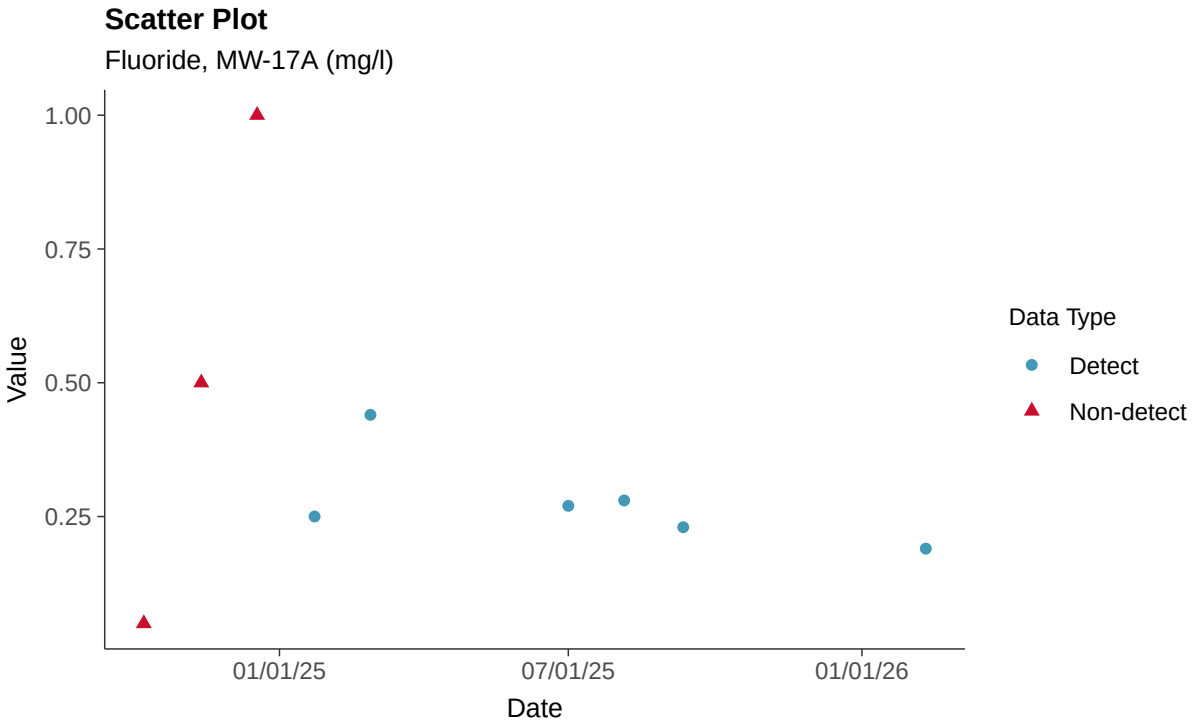
Trend Regression: Piecewise Linear-Linear-Linear

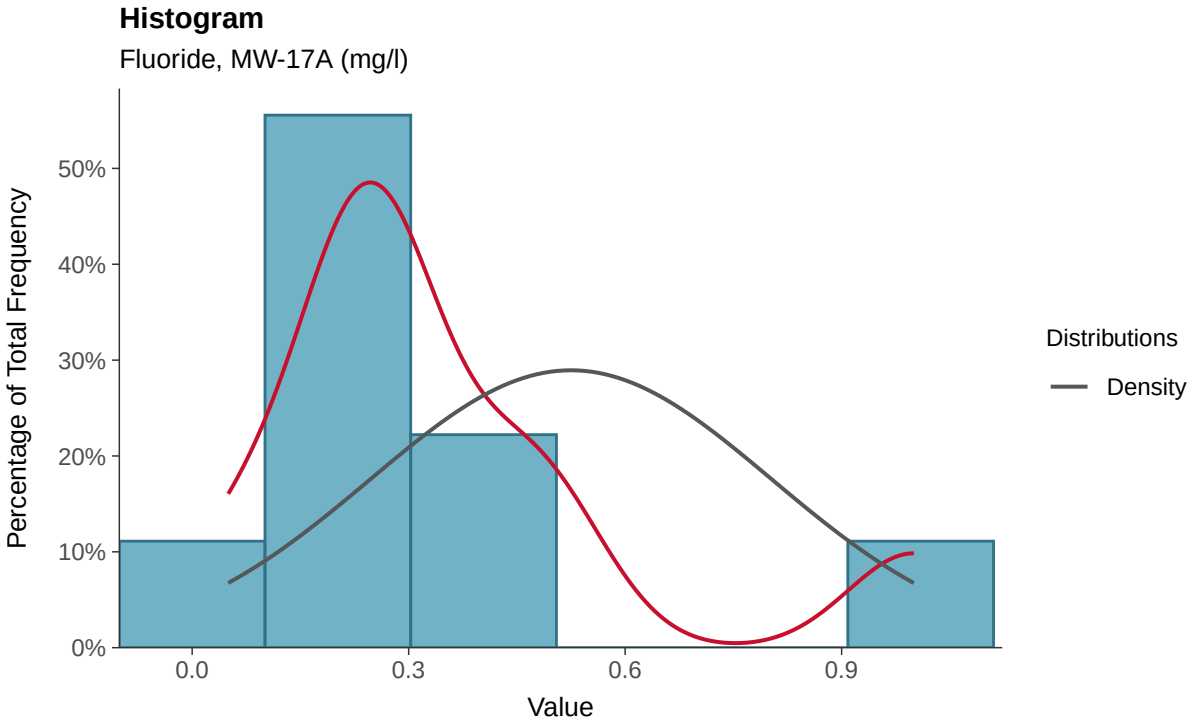
Chloride, MW-17A (mg/l)



Appendix III: Fluoride, MW-17A

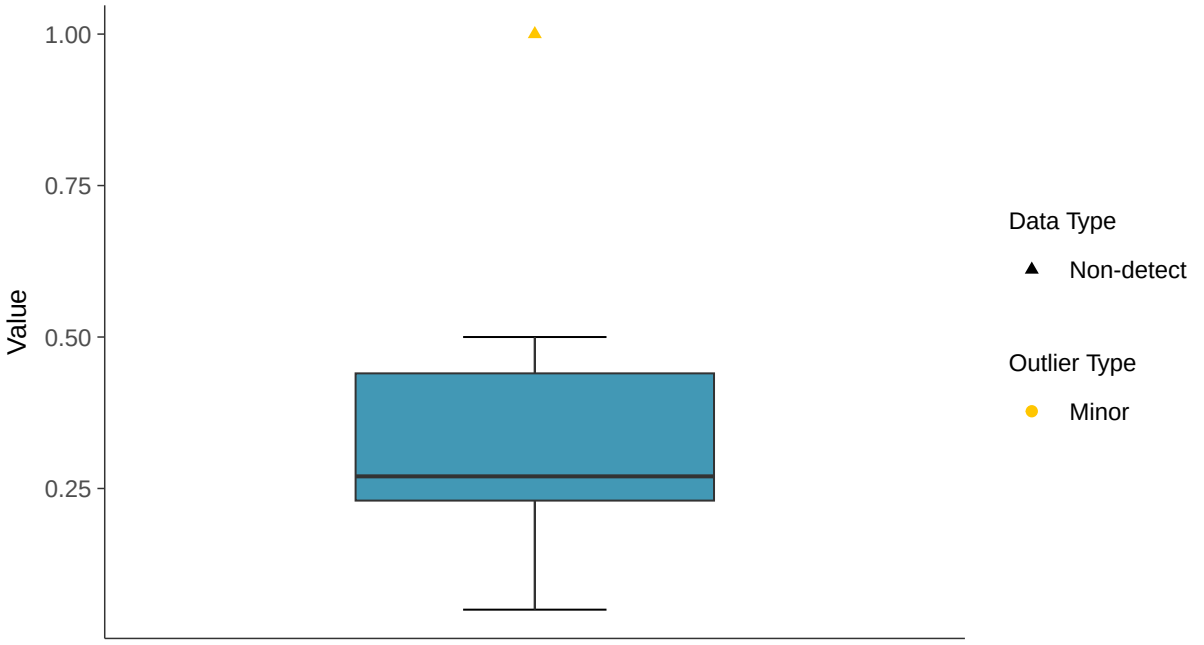
ID: 25_2_112





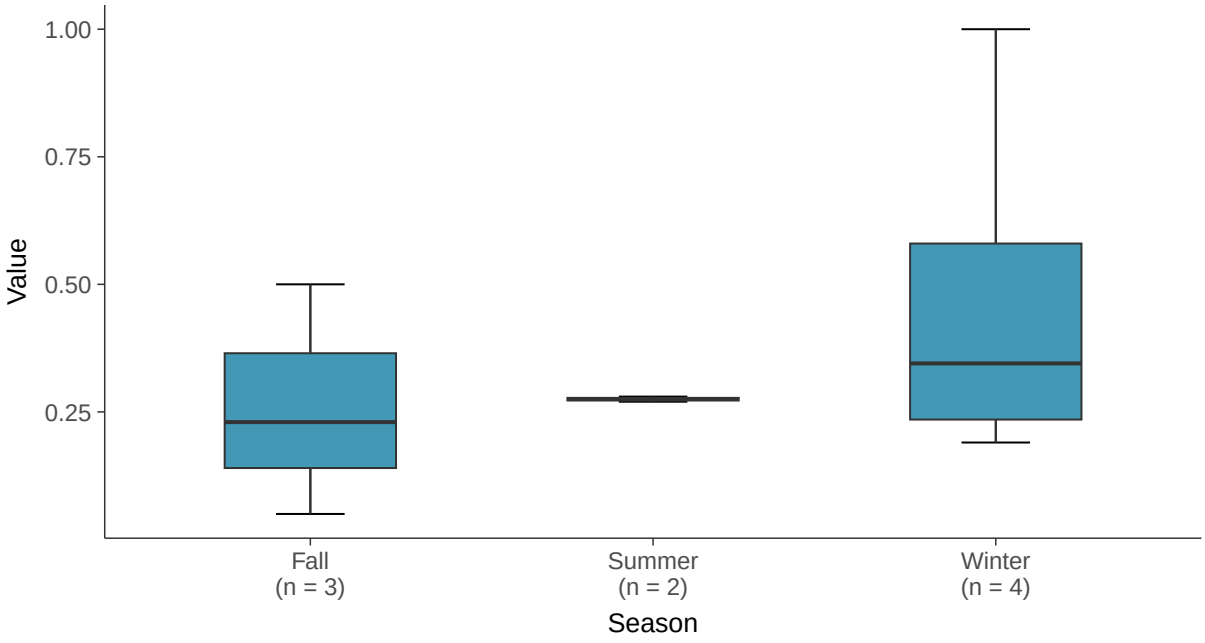
Boxplot

Fluoride, MW-17A (mg/l)



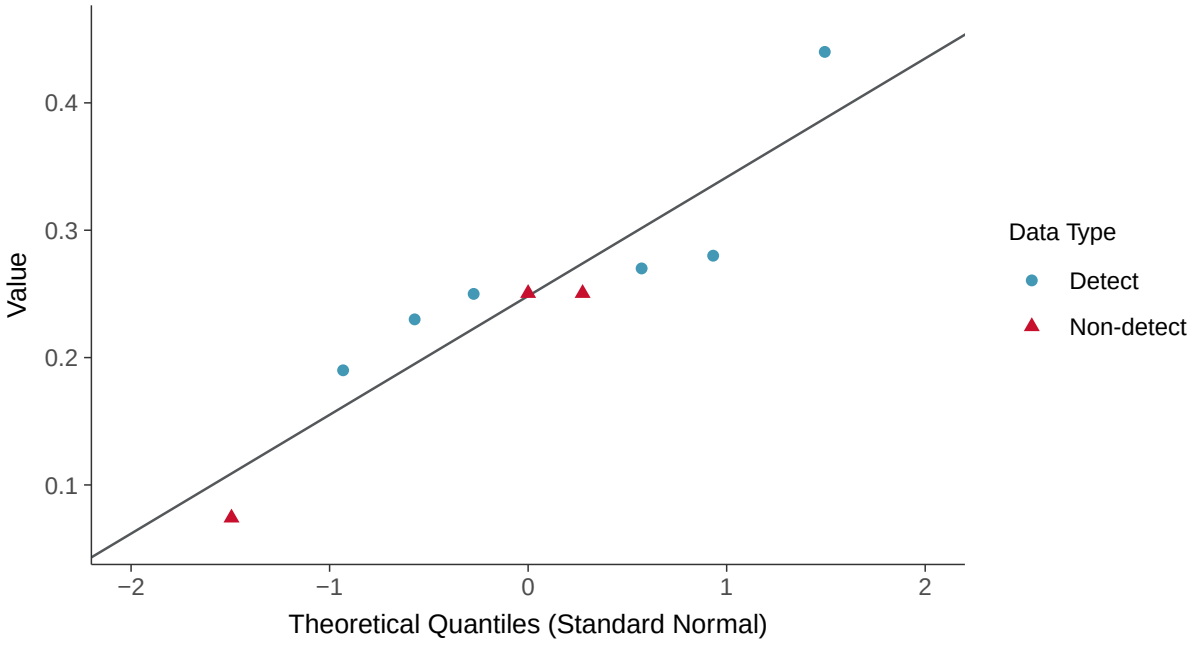
Boxplot by Season

Fluoride, MW-17A (mg/l)



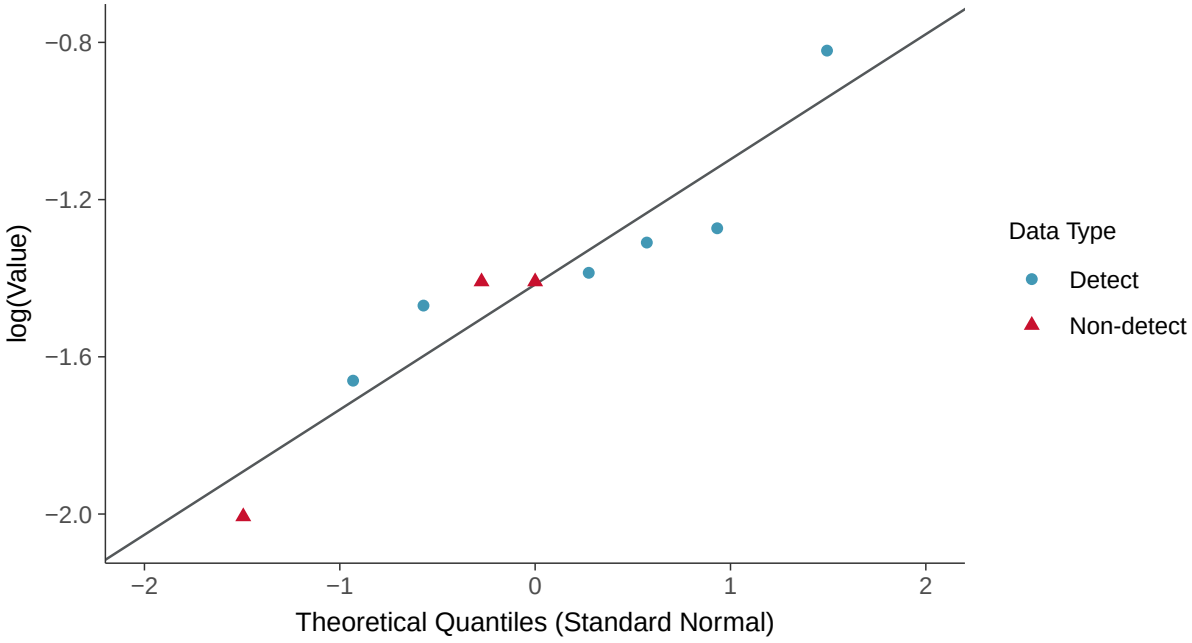
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-17A (mg/l)



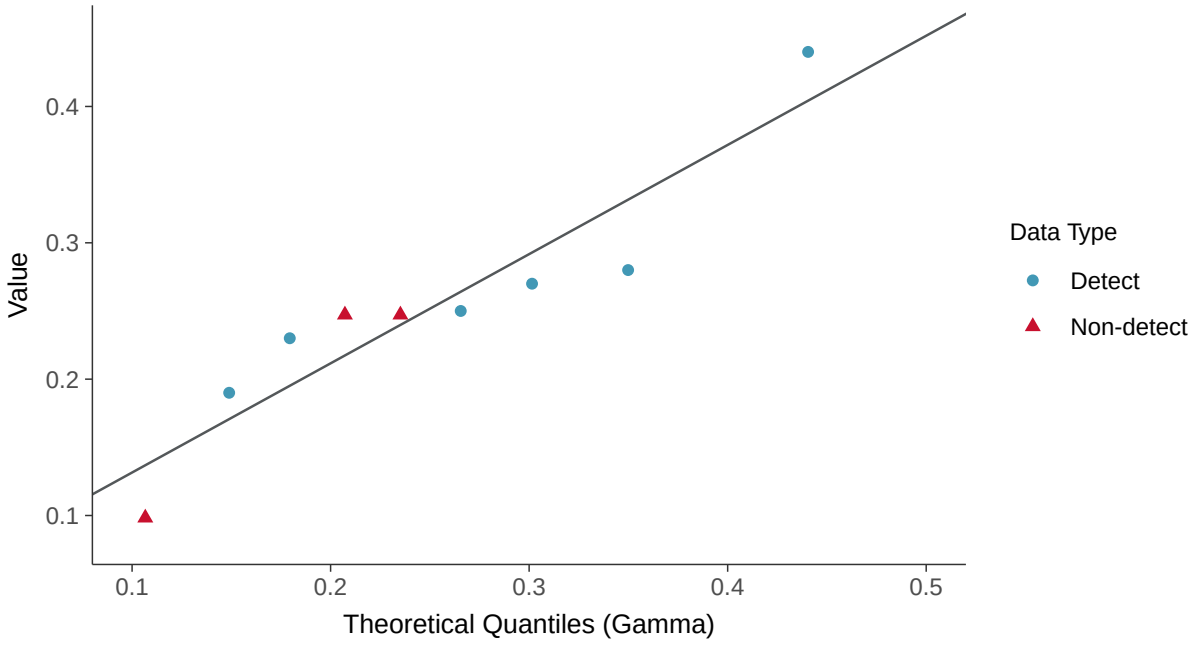
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-17A (mg/l)



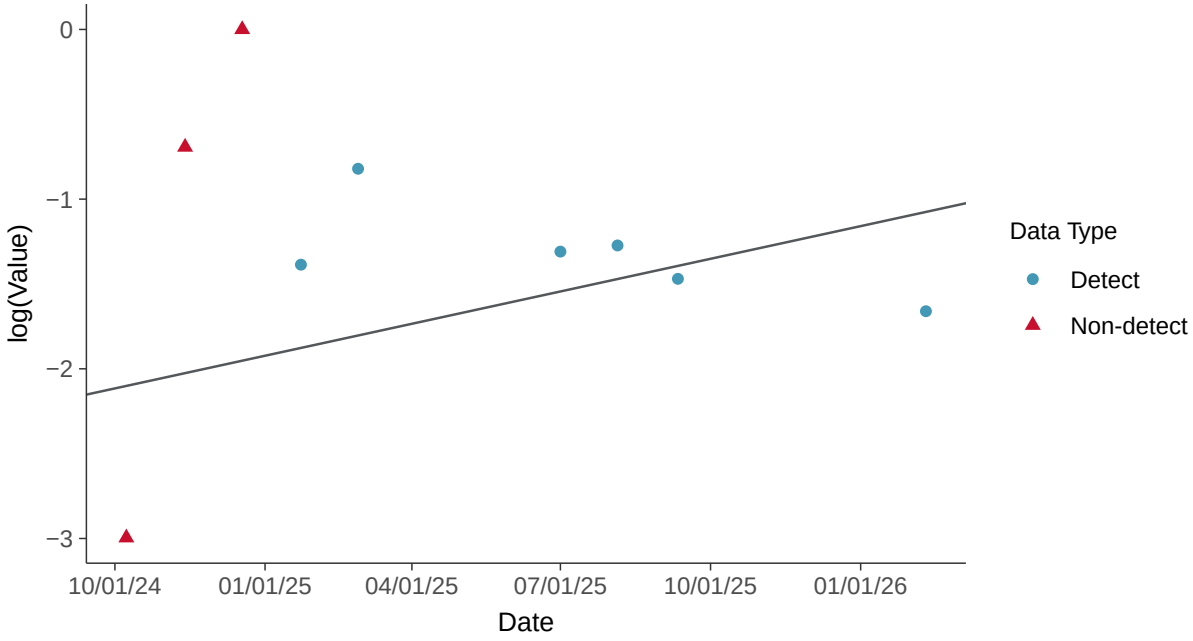
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride, MW-17A (mg/l)



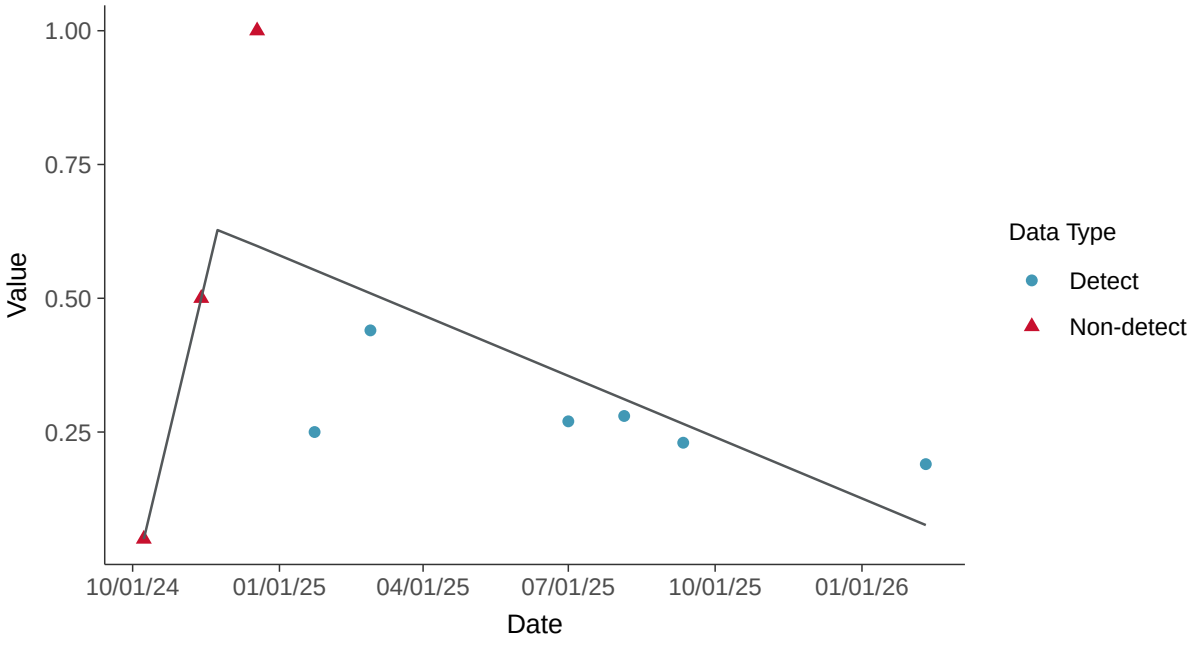
Trend Regression: Lognormal MLE

Fluoride, MW-17A (mg/l)



Trend Regression: Piecewise Linear-Linear

Fluoride, MW-17A (mg/l)

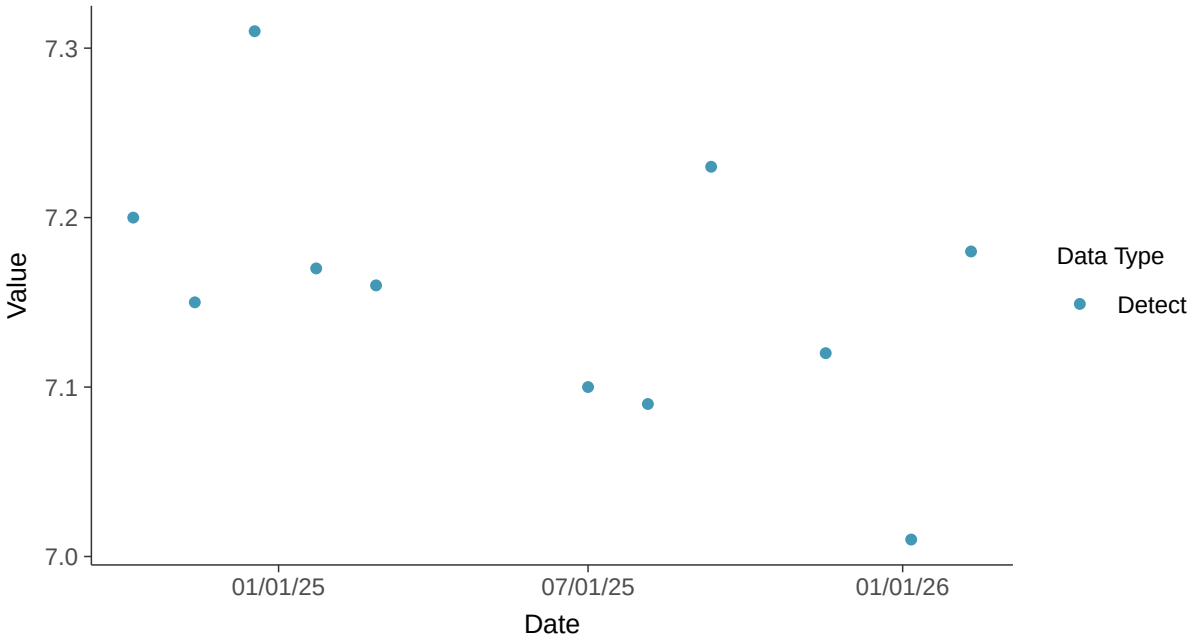


Appendix III: pH, Field, MW-17A

ID: 25_2_120

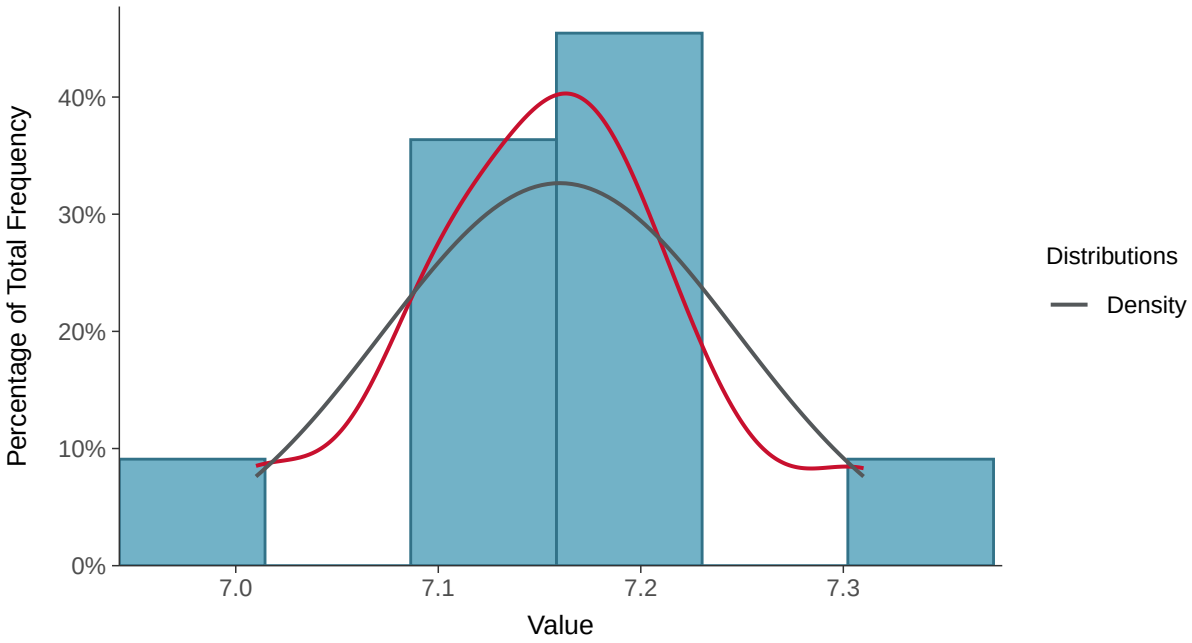
Scatter Plot

pH, Field, MW-17A (su)



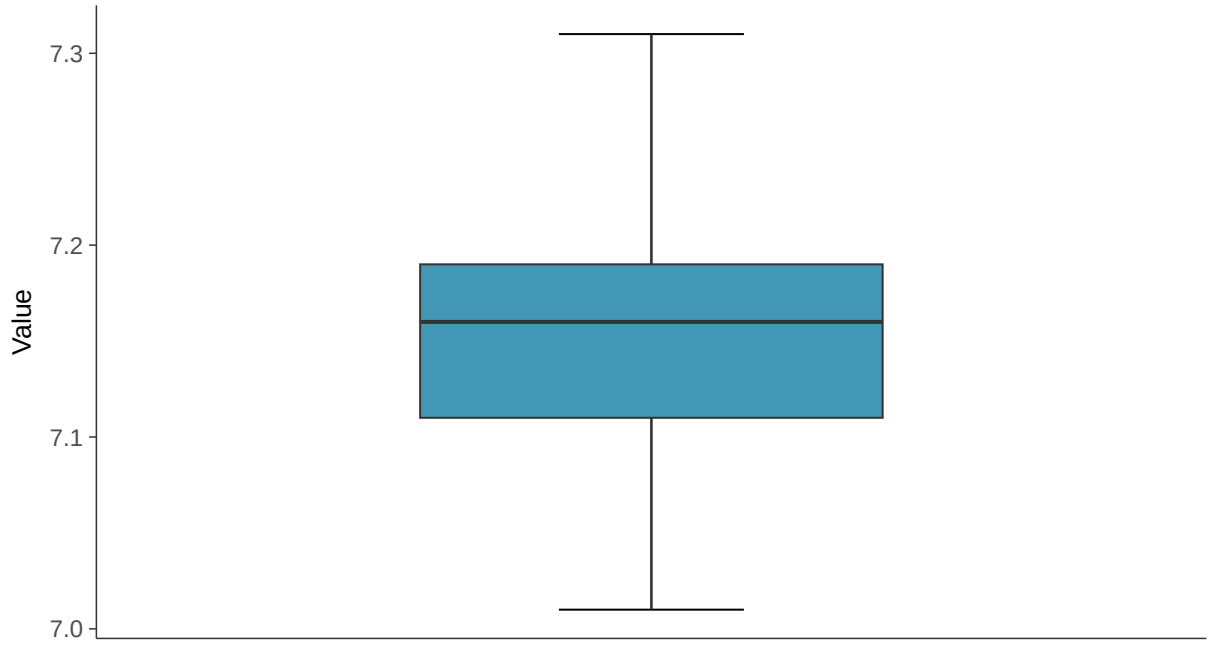
Histogram

pH, Field, MW-17A (su)



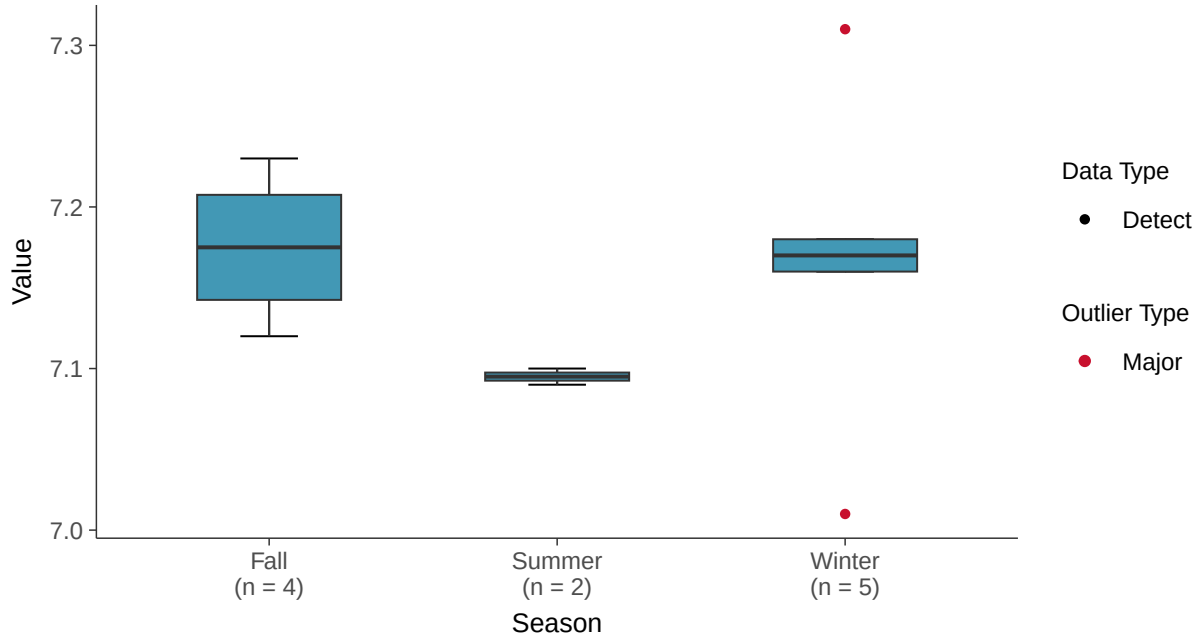
Boxplot

pH, Field, MW-17A (su)



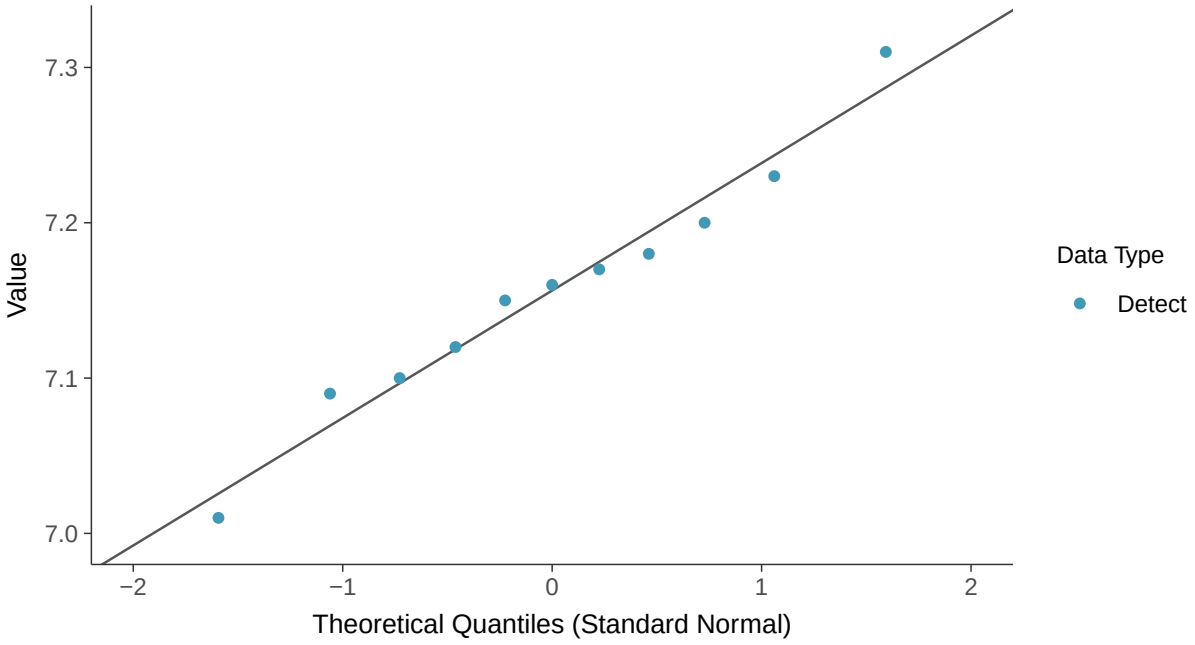
Boxplot by Season

pH, Field, MW-17A (su)



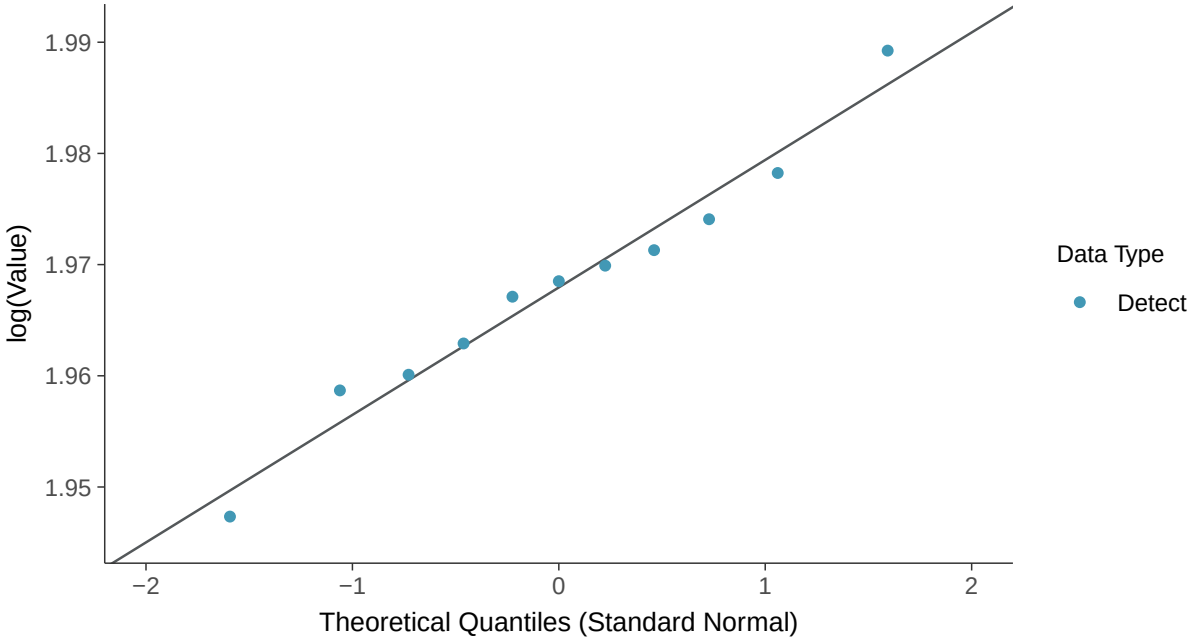
Normal Q-Q plot

pH, Field, MW-17A (su)



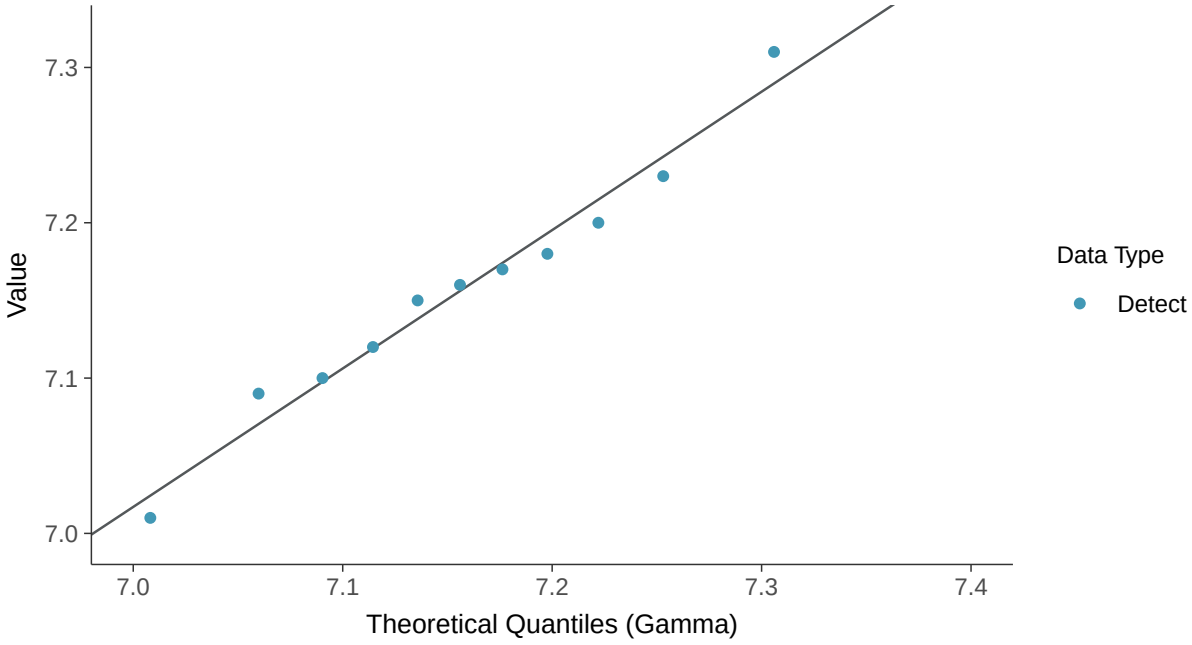
Lognormal Q-Q plot

pH, Field, MW-17A (su)



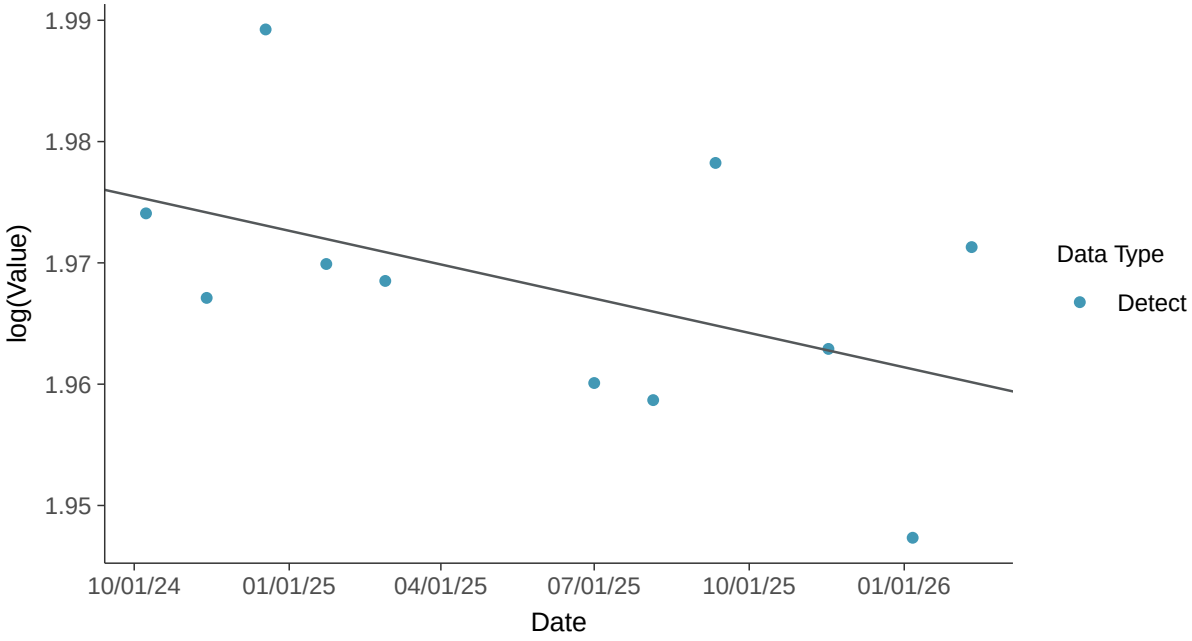
Gamma Q-Q plot

pH, Field, MW-17A (su)



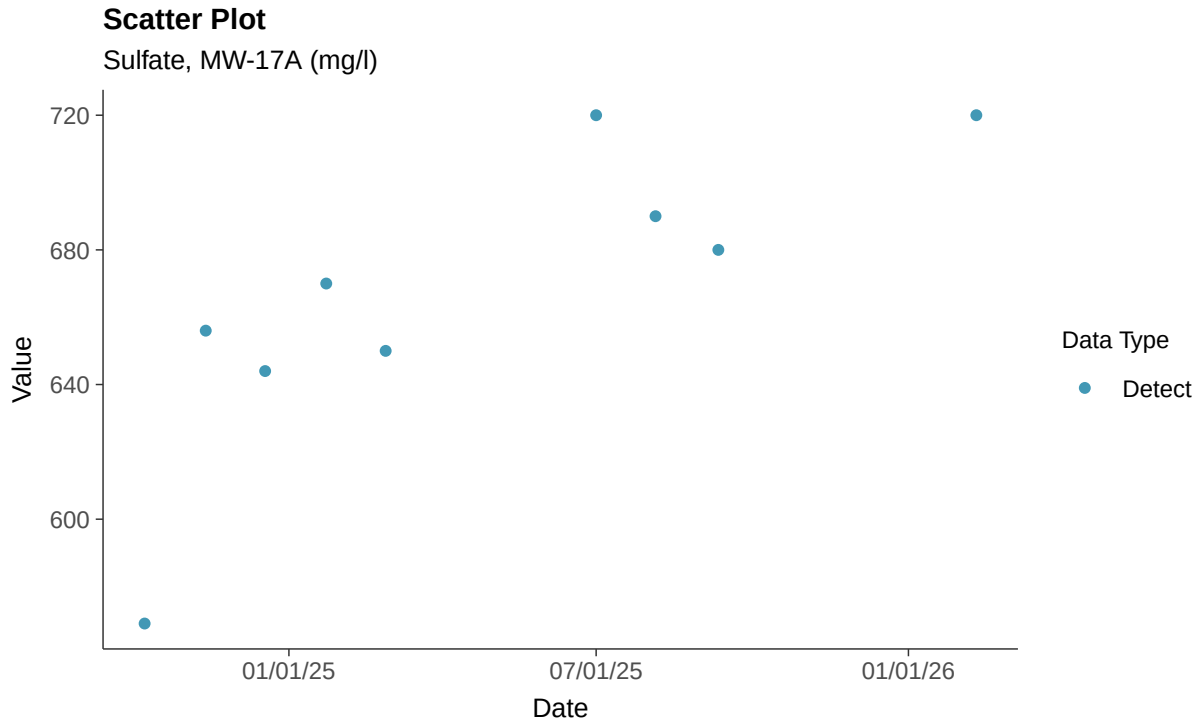
Trend Regression: Lognormal MLE

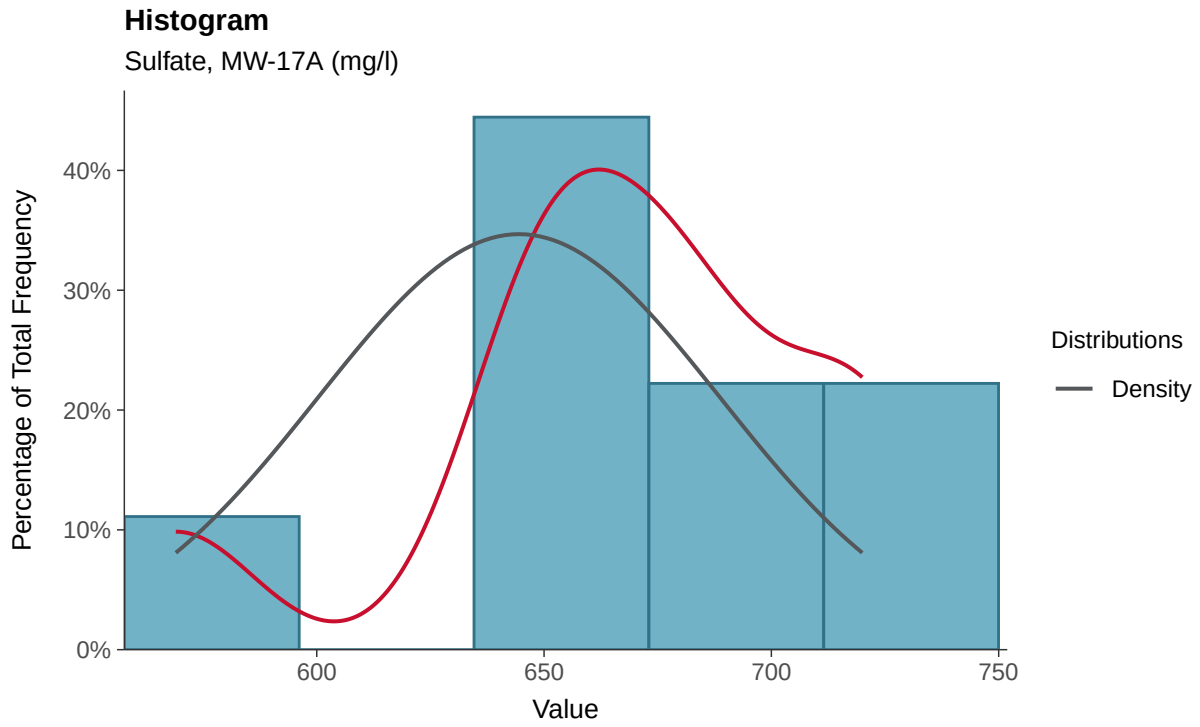
pH, Field, MW-17A (su)



Appendix III: Sulfate, MW-17A

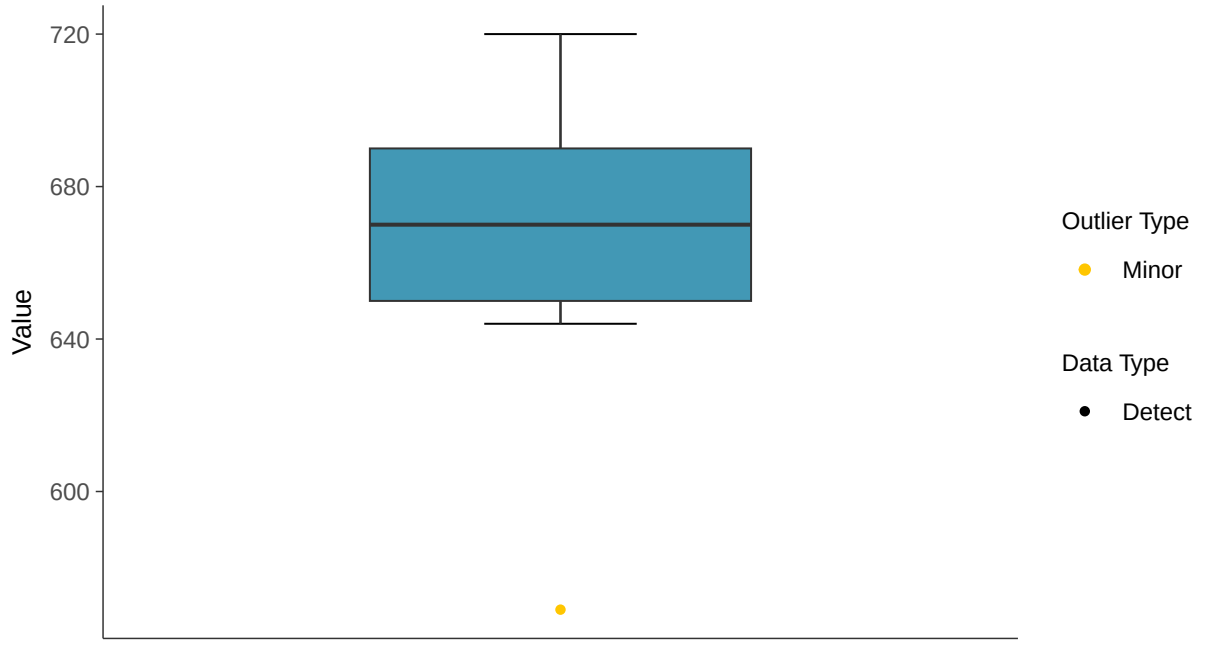
ID: 25_2_124





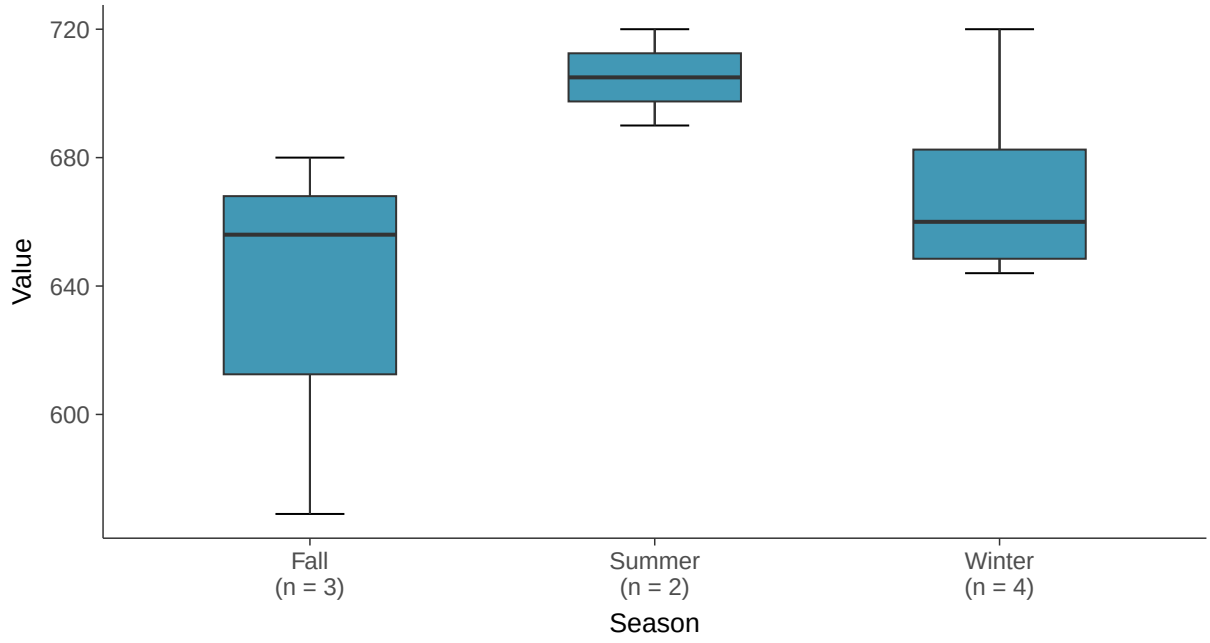
Boxplot

Sulfate, MW-17A (mg/l)



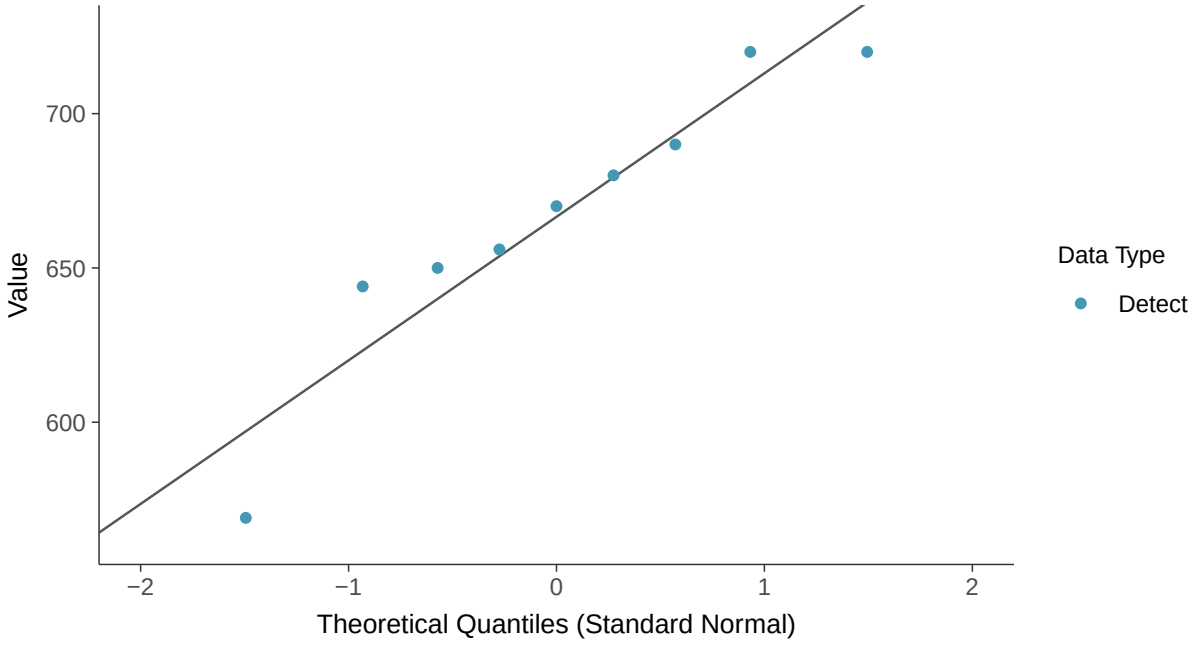
Boxplot by Season

Sulfate, MW-17A (mg/l)



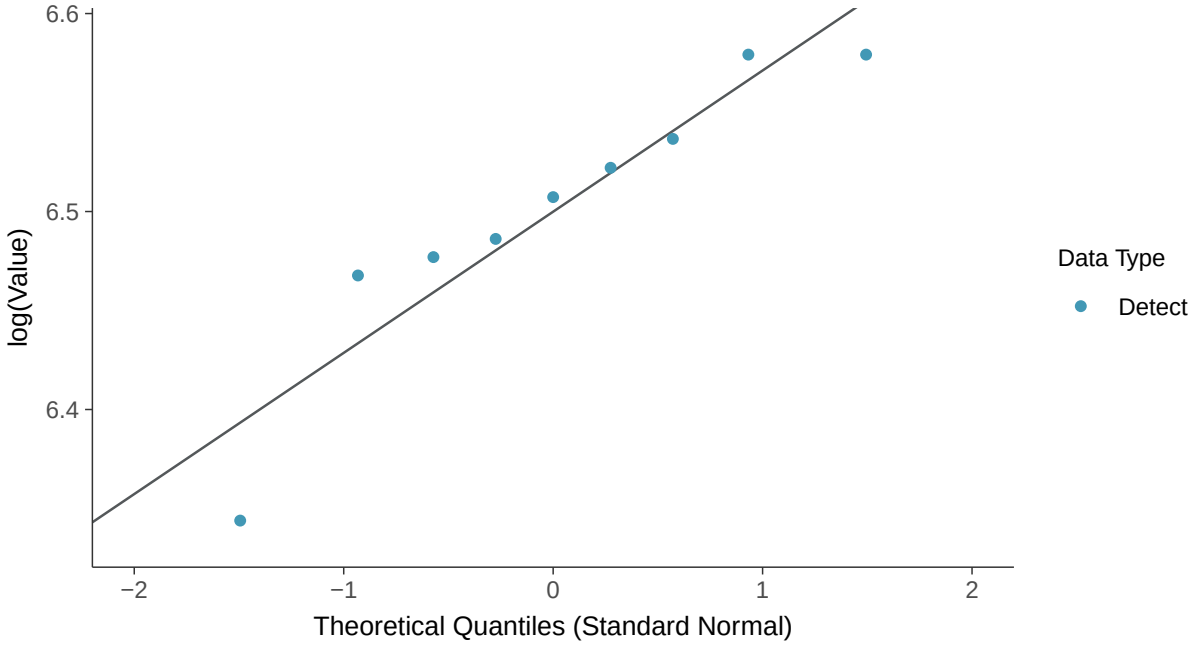
Normal Q-Q plot

Sulfate, MW-17A (mg/l)



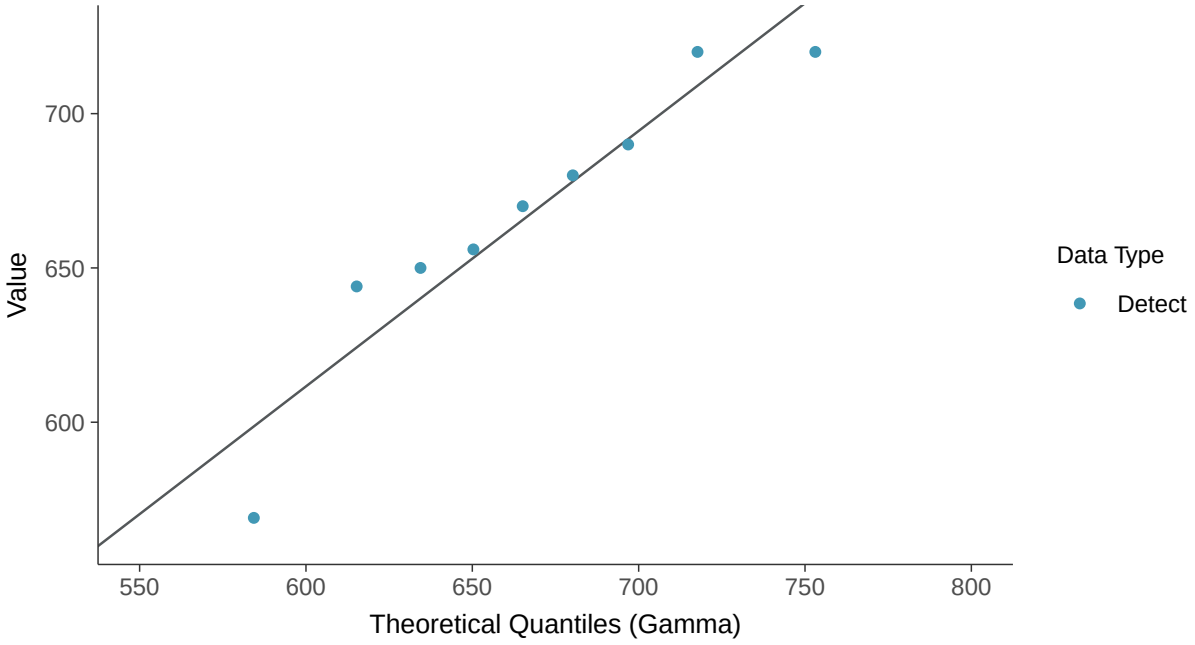
Lognormal Q-Q plot

Sulfate, MW-17A (mg/l)



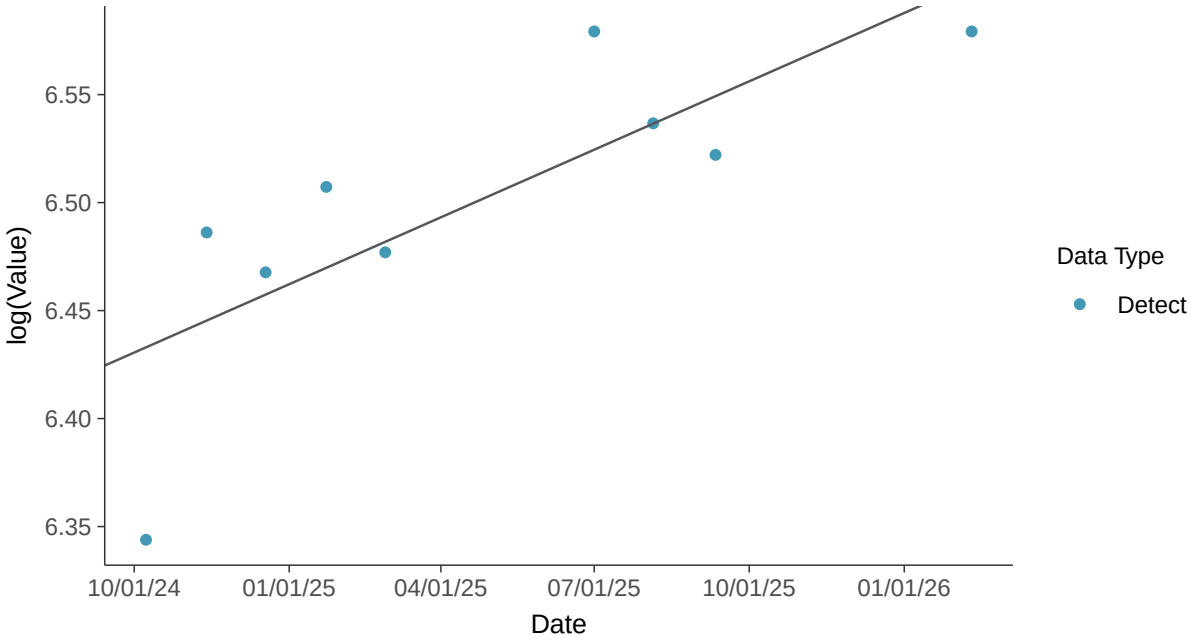
Gamma Q-Q plot

Sulfate, MW-17A (mg/l)



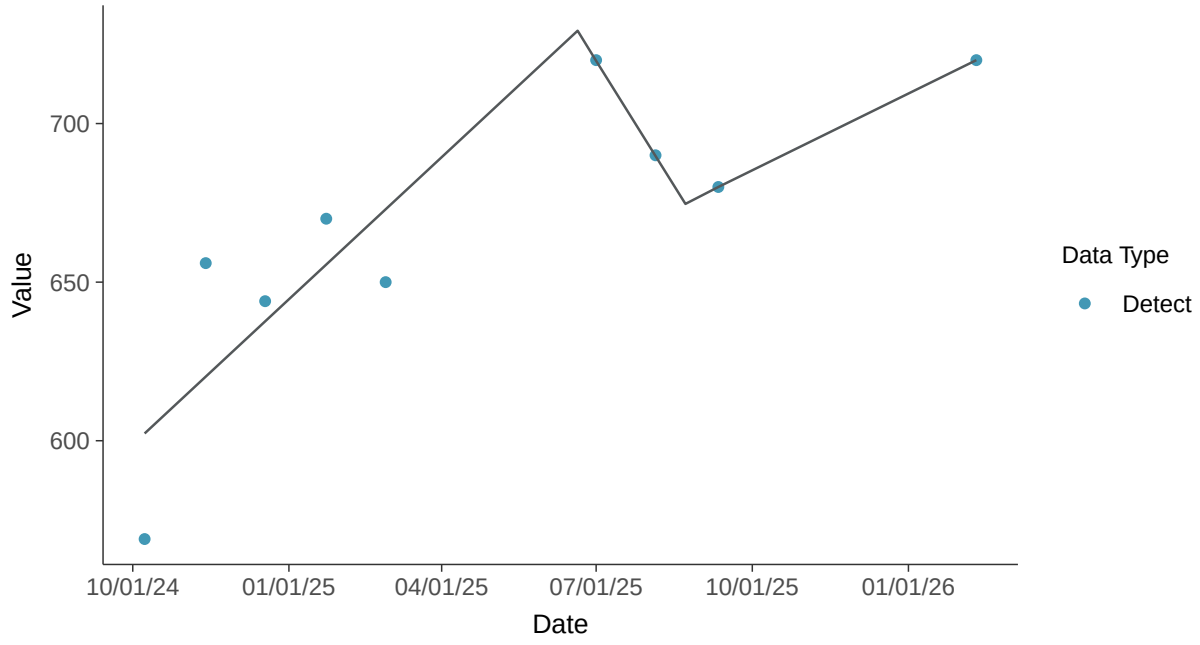
Trend Regression: Lognormal MLE

Sulfate, MW-17A (mg/l)



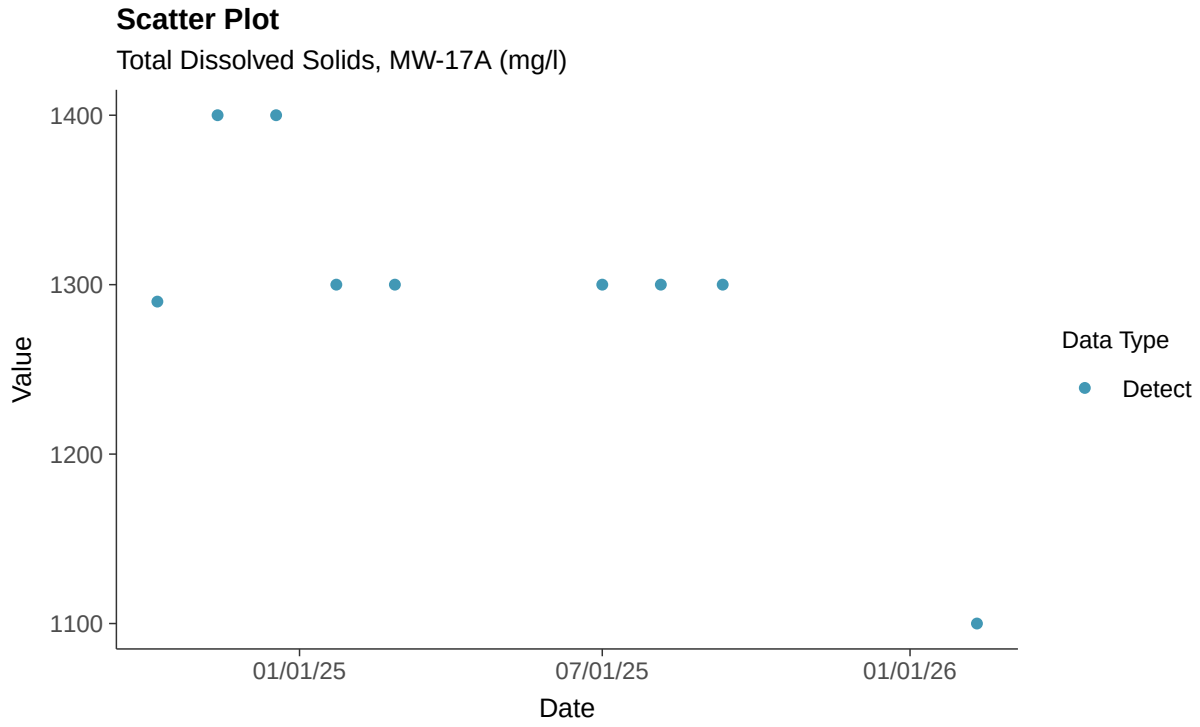
Trend Regression: Piecewise Linear-Linear-Linear

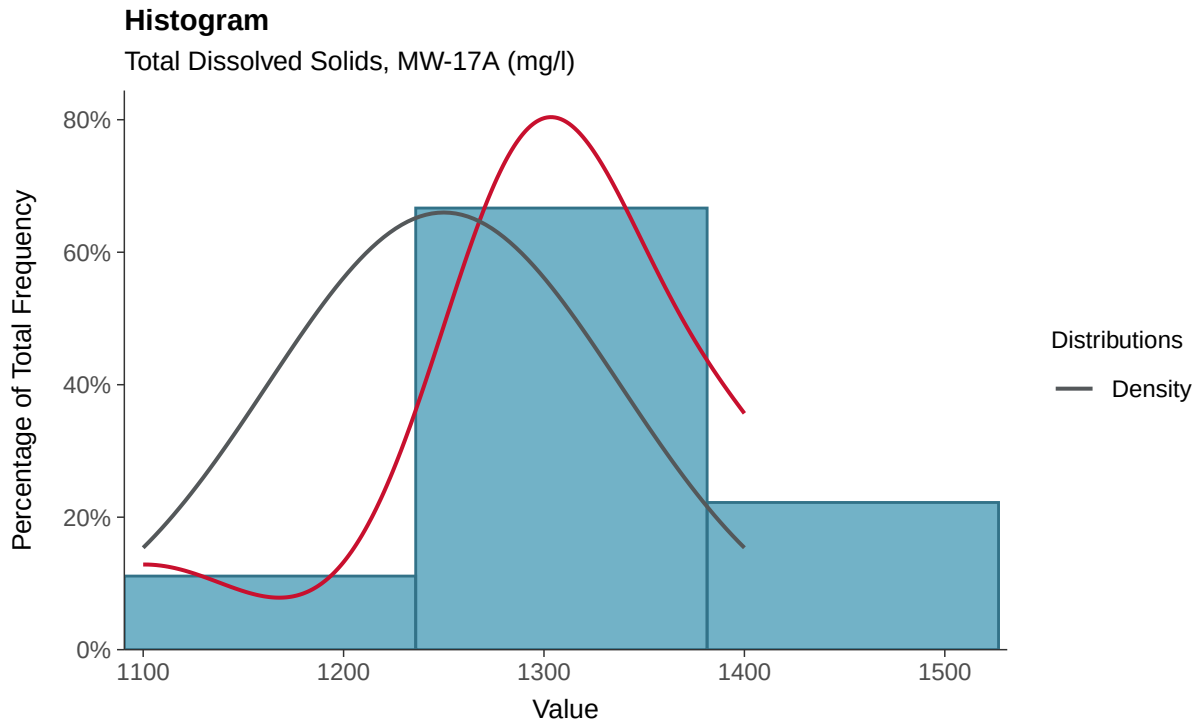
Sulfate, MW-17A (mg/l)



Appendix III: Total Dissolved Solids, MW-17A

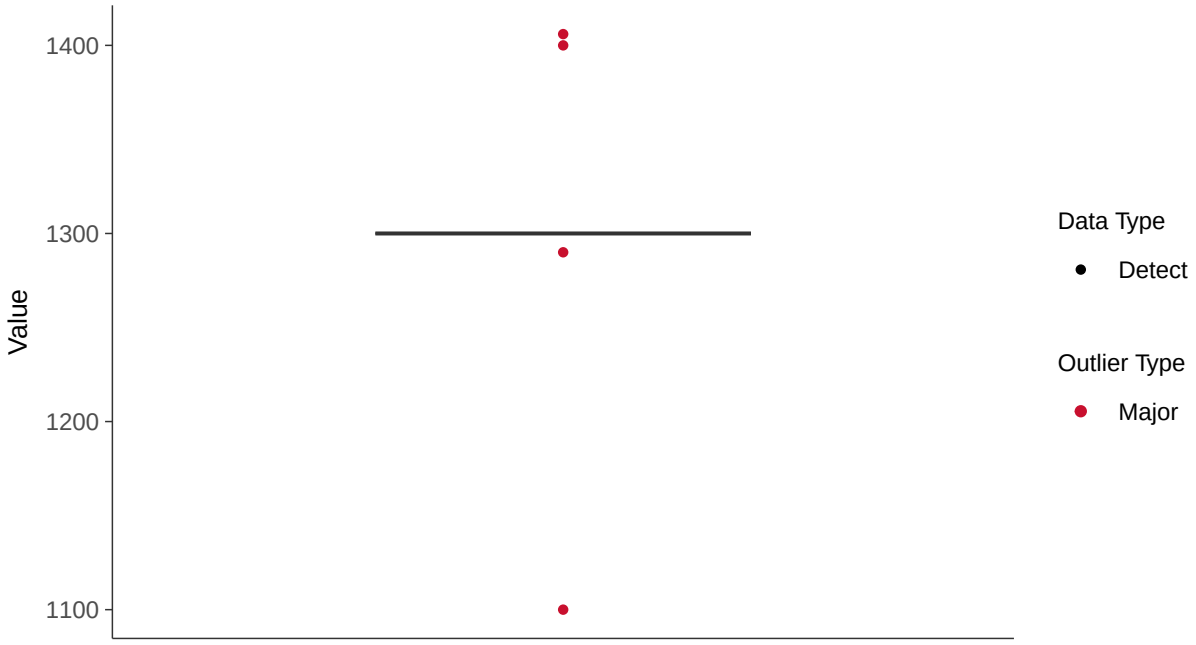
ID: 25_2_126





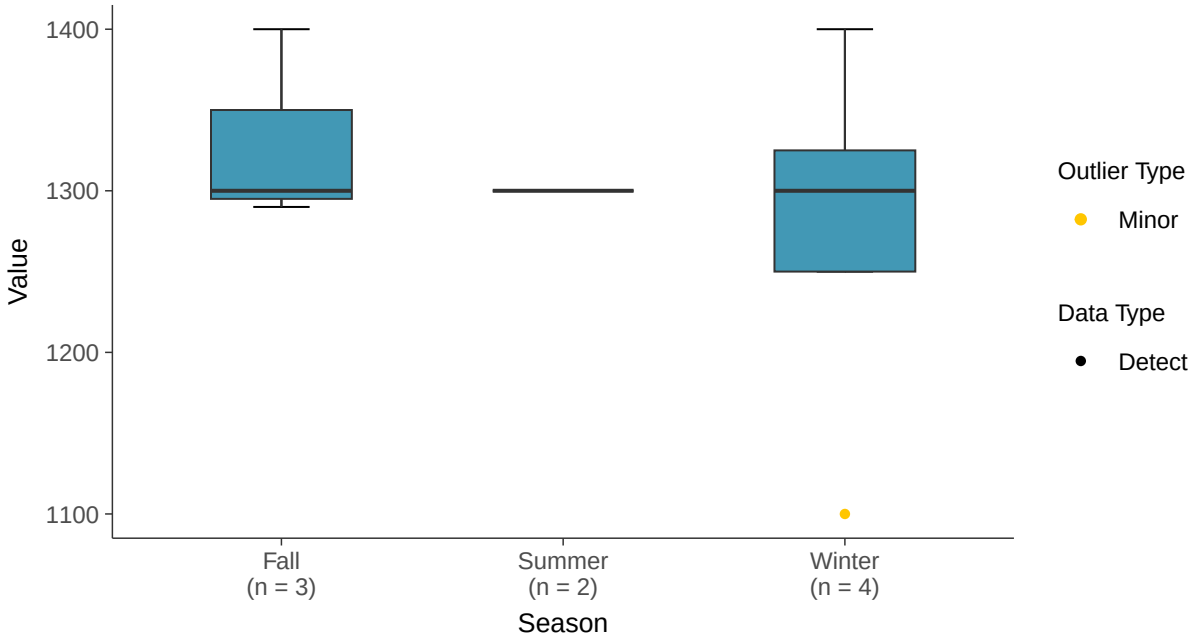
Boxplot

Total Dissolved Solids, MW-17A (mg/l)



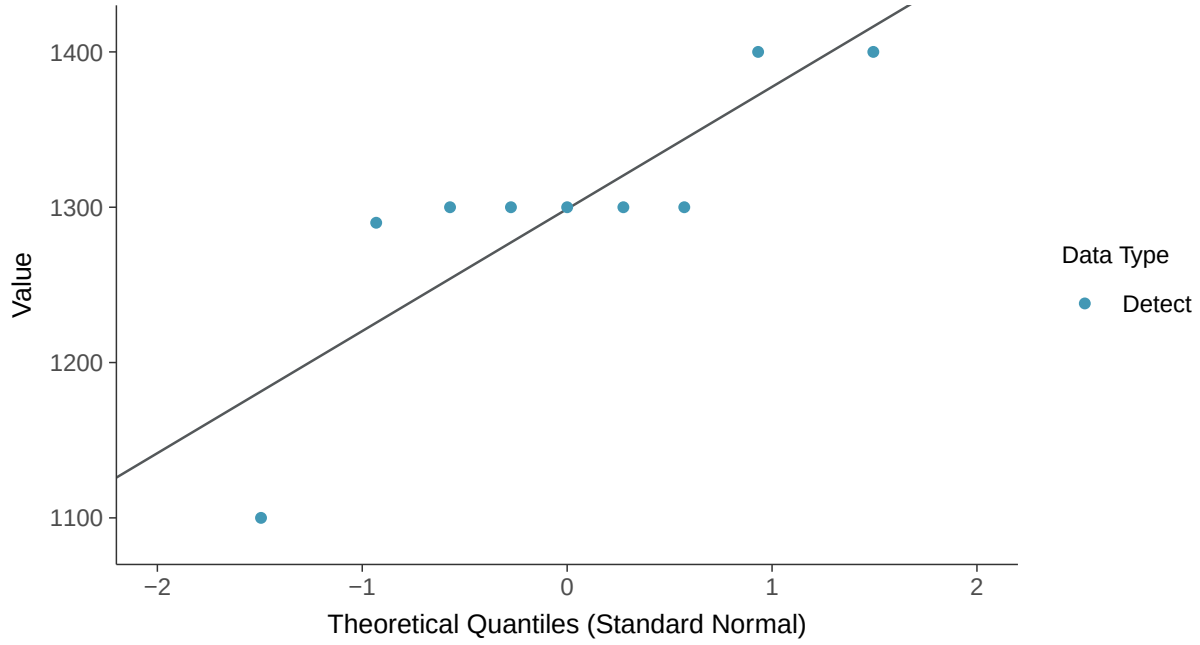
Boxplot by Season

Total Dissolved Solids, MW-17A (mg/l)



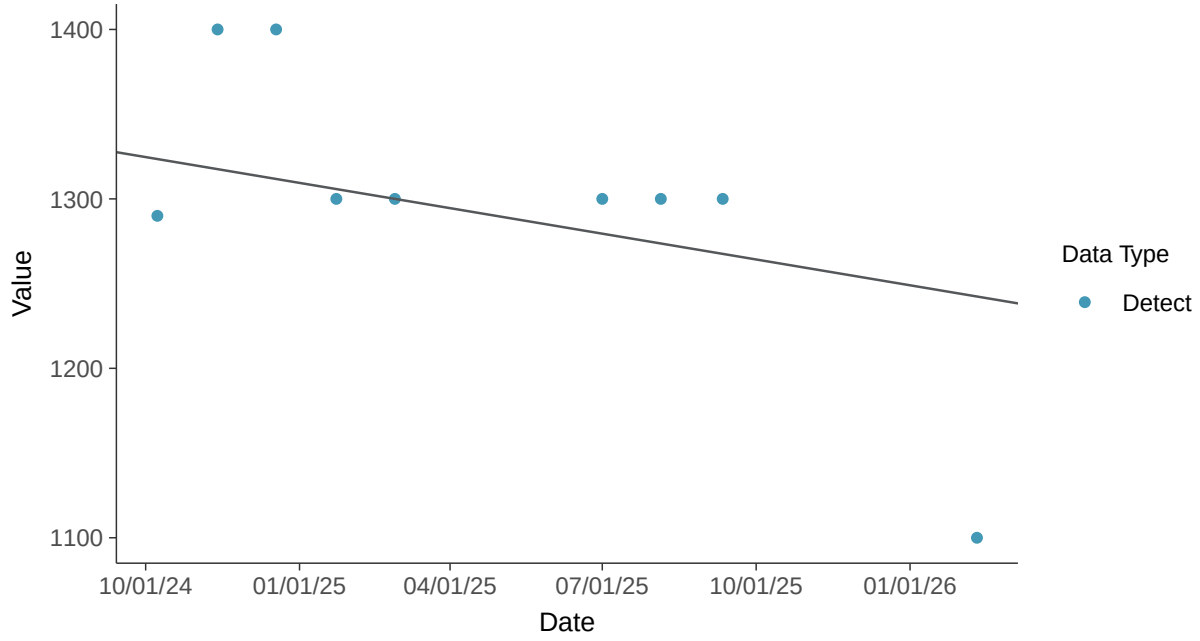
Normal Q-Q plot

Total Dissolved Solids, MW-17A (mg/l)



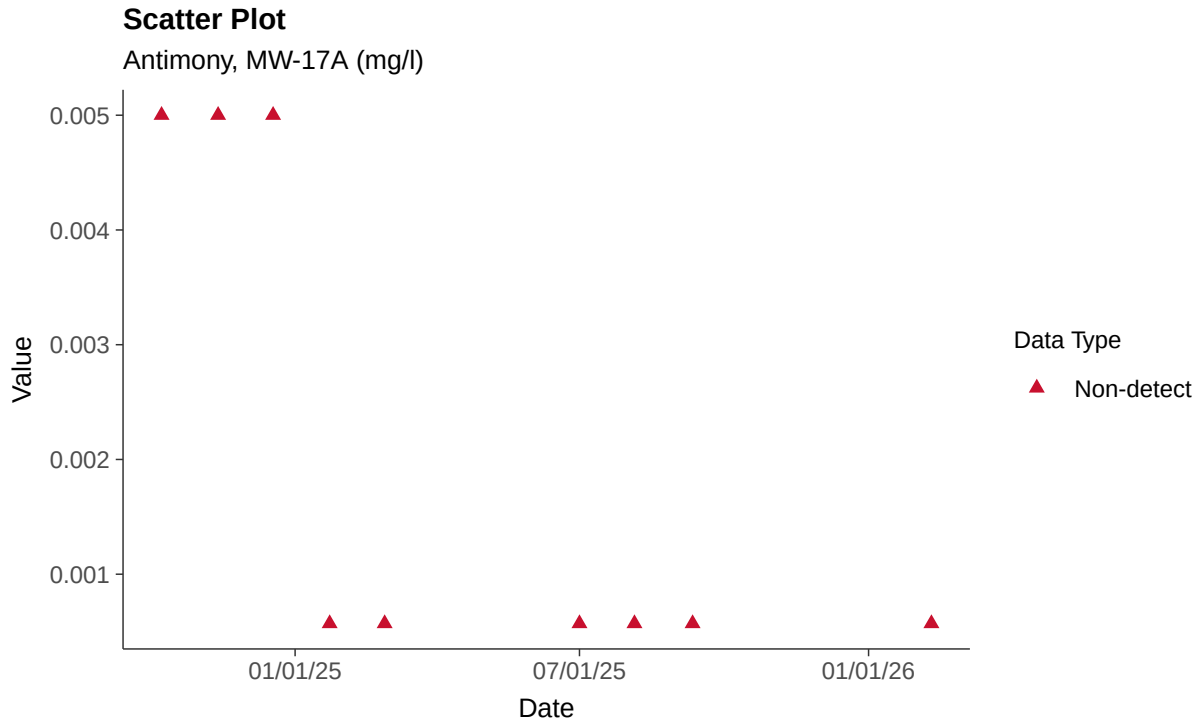
Trend Regression: Mann-Kendall/Theil-Sen Estimate

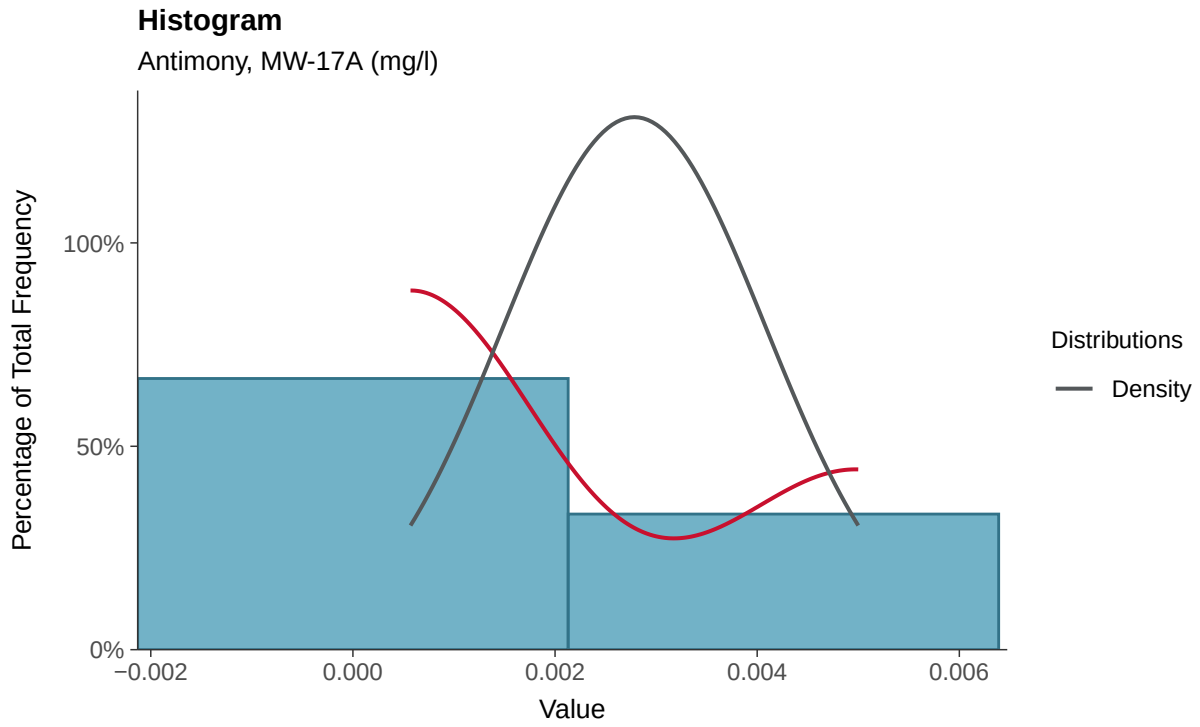
Total Dissolved Solids, MW-17A (mg/l)



Appendix IV: Antimony, MW-17A

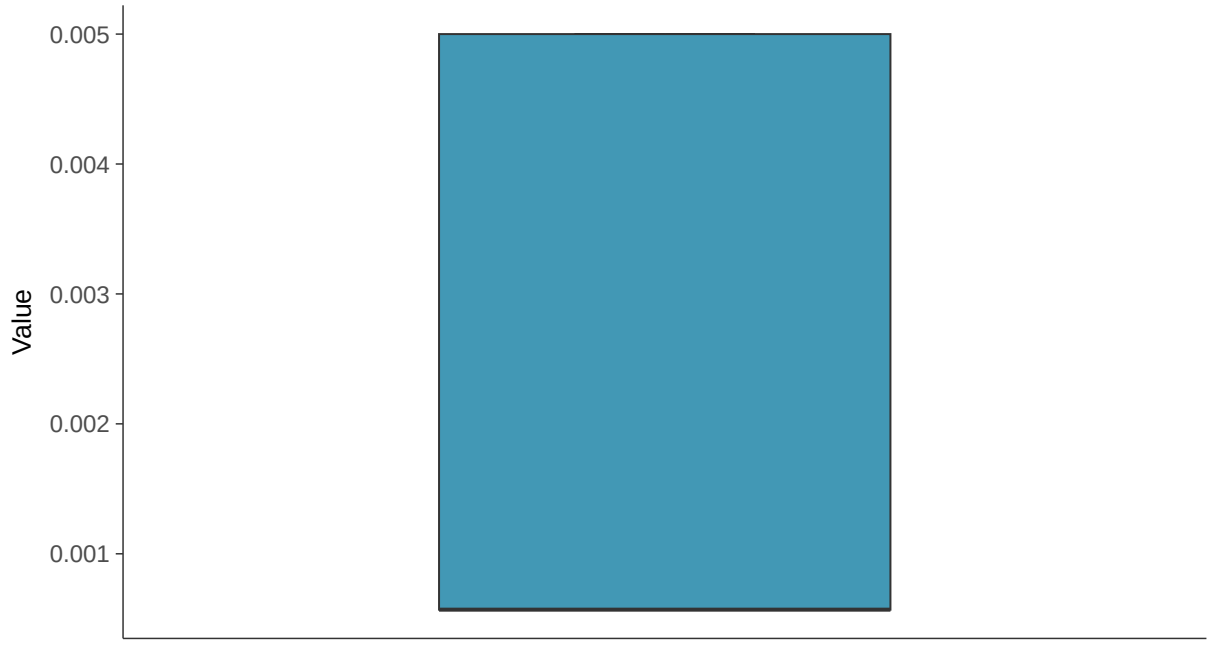
ID: 25_3_101





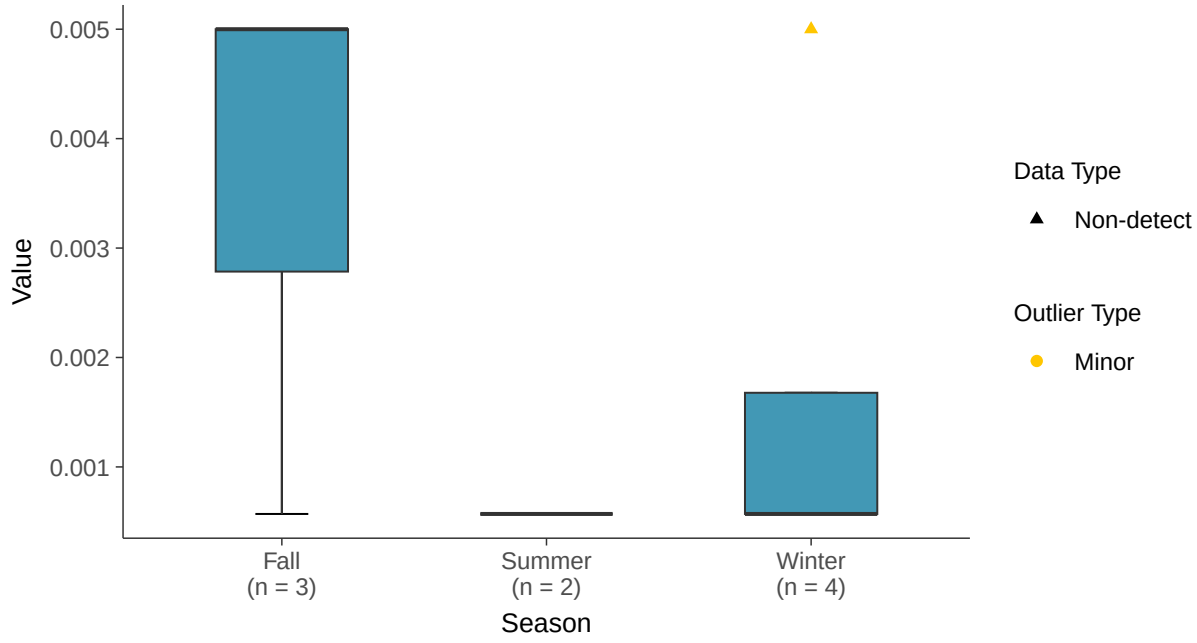
Boxplot

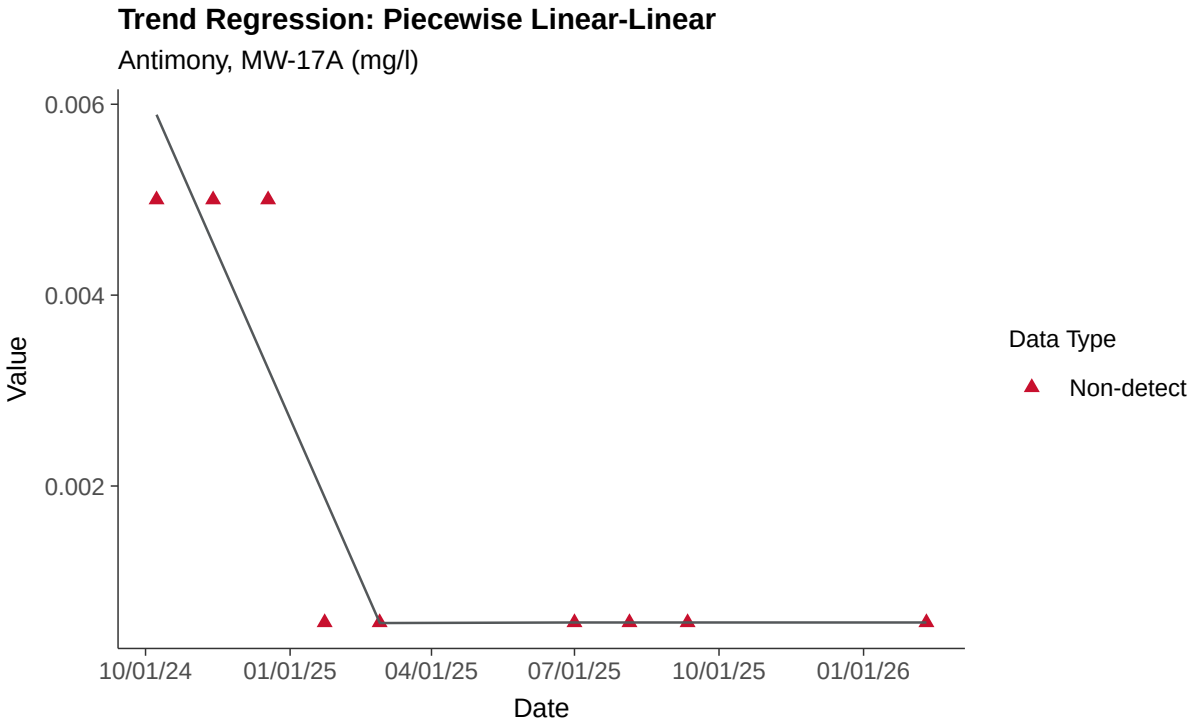
Antimony, MW-17A (mg/l)



Boxplot by Season

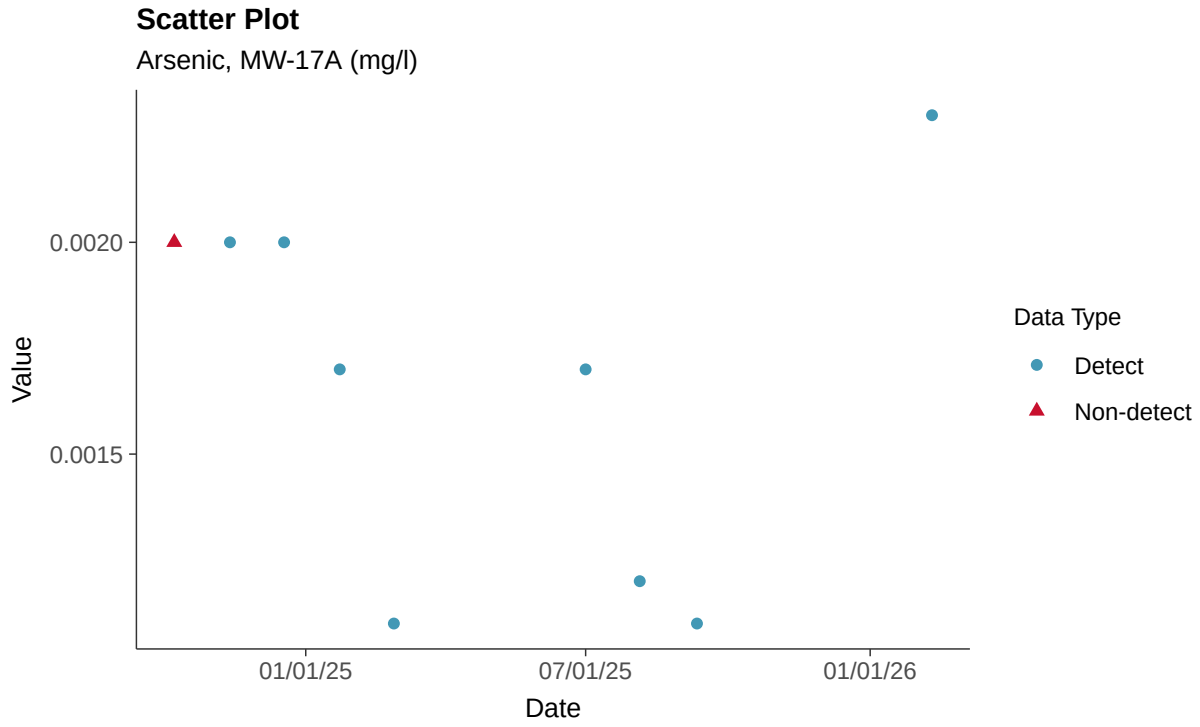
Antimony, MW-17A (mg/l)

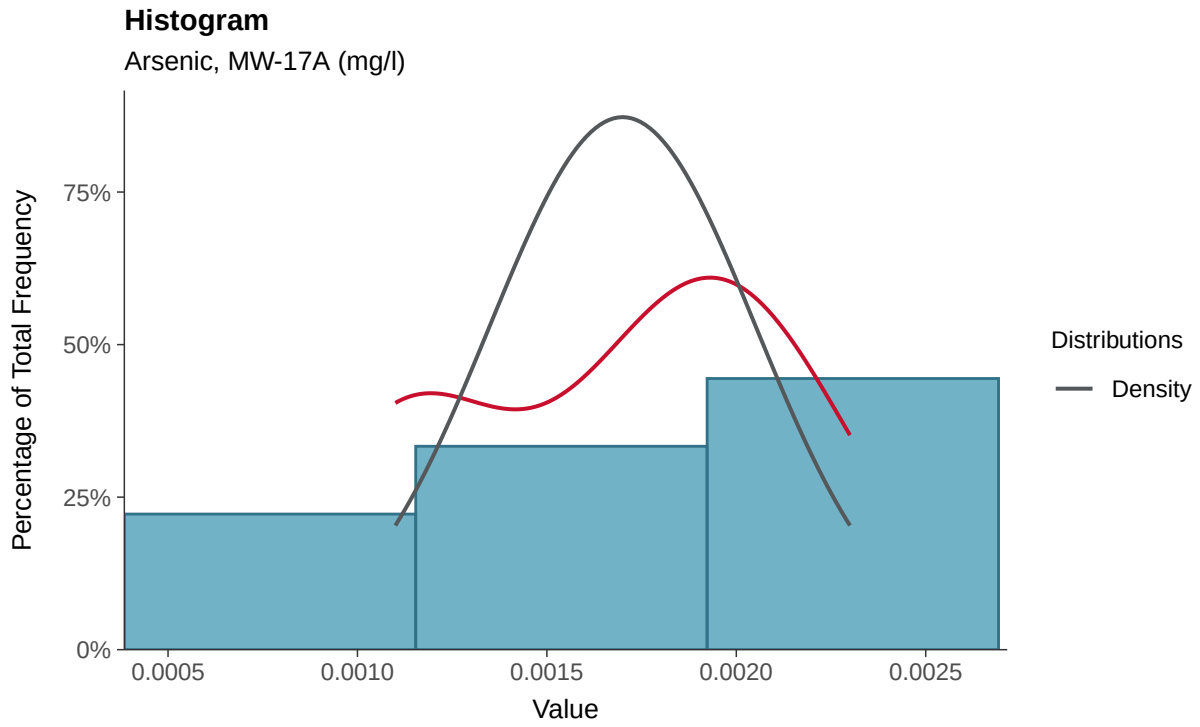



Trend Regression: Piecewise Linear-Linear
Antimony, MW-17A (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-17A

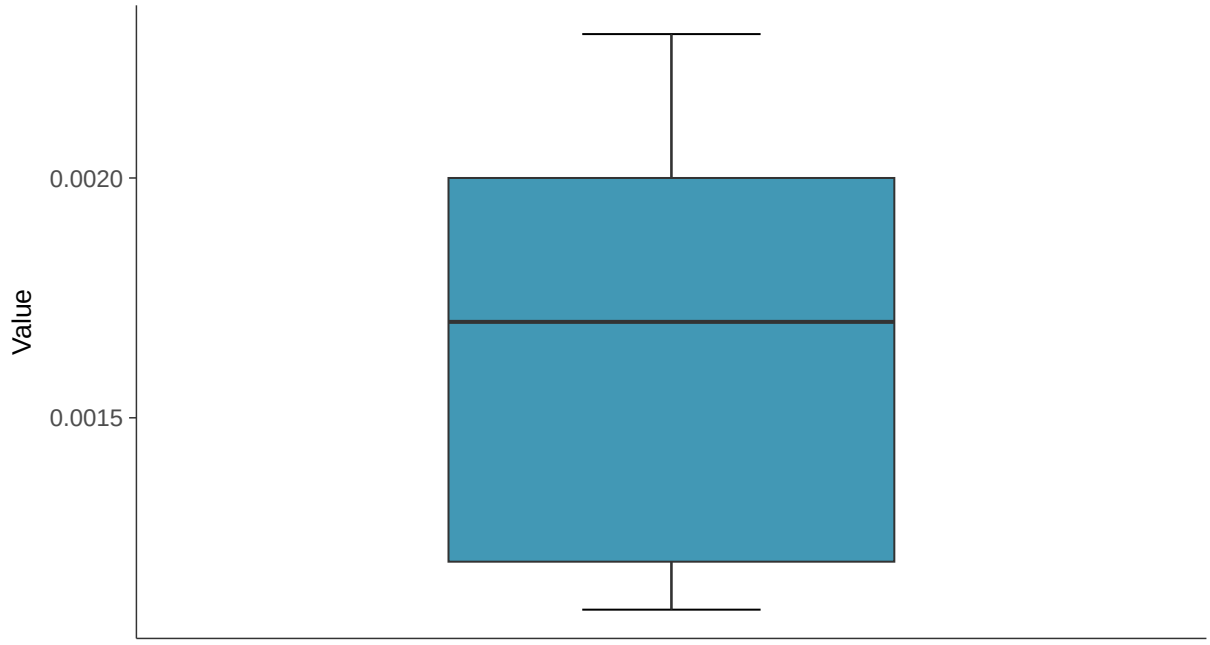
ID: 25_3_102





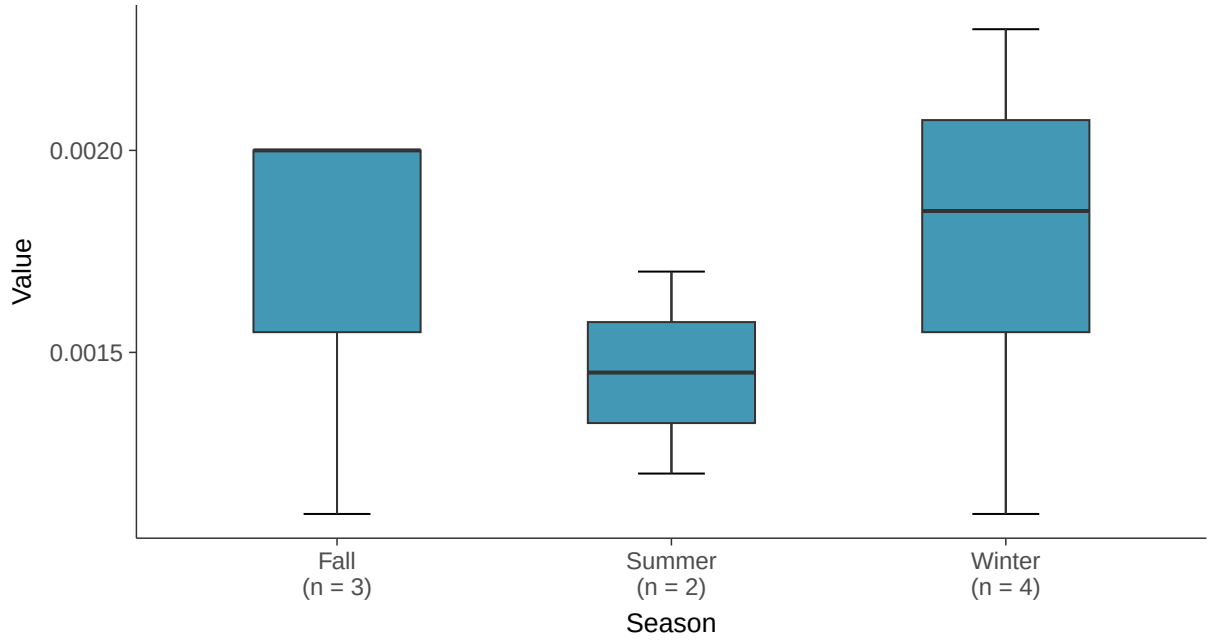
Boxplot

Arsenic, MW-17A (mg/l)



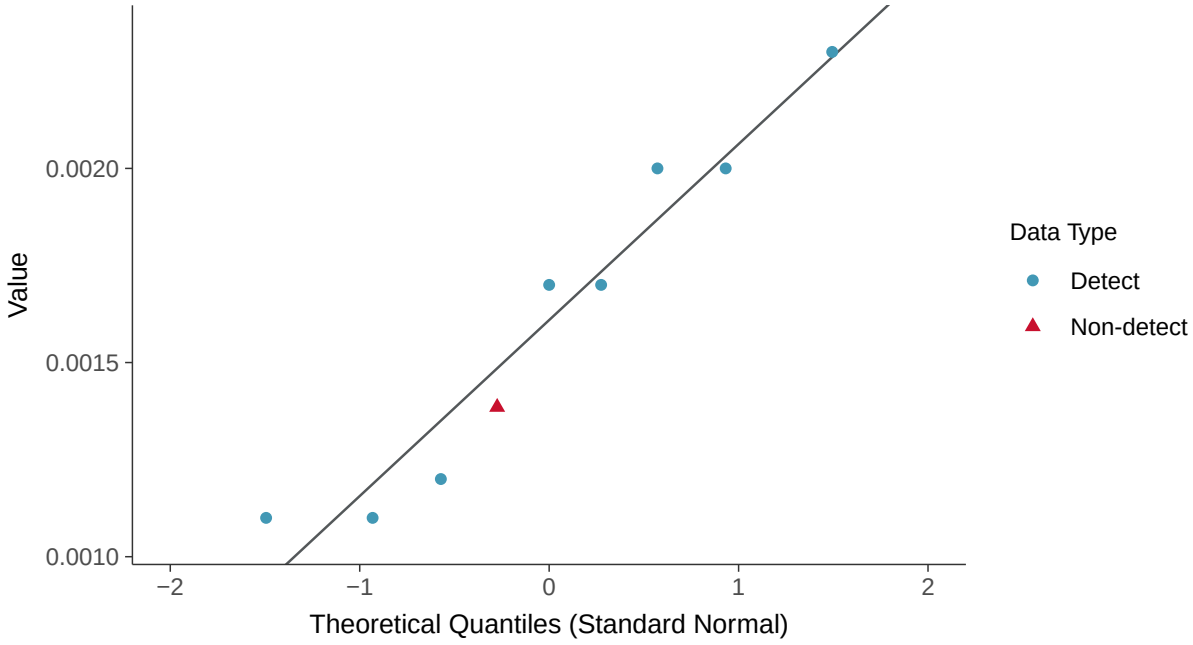
Boxplot by Season

Arsenic, MW-17A (mg/l)



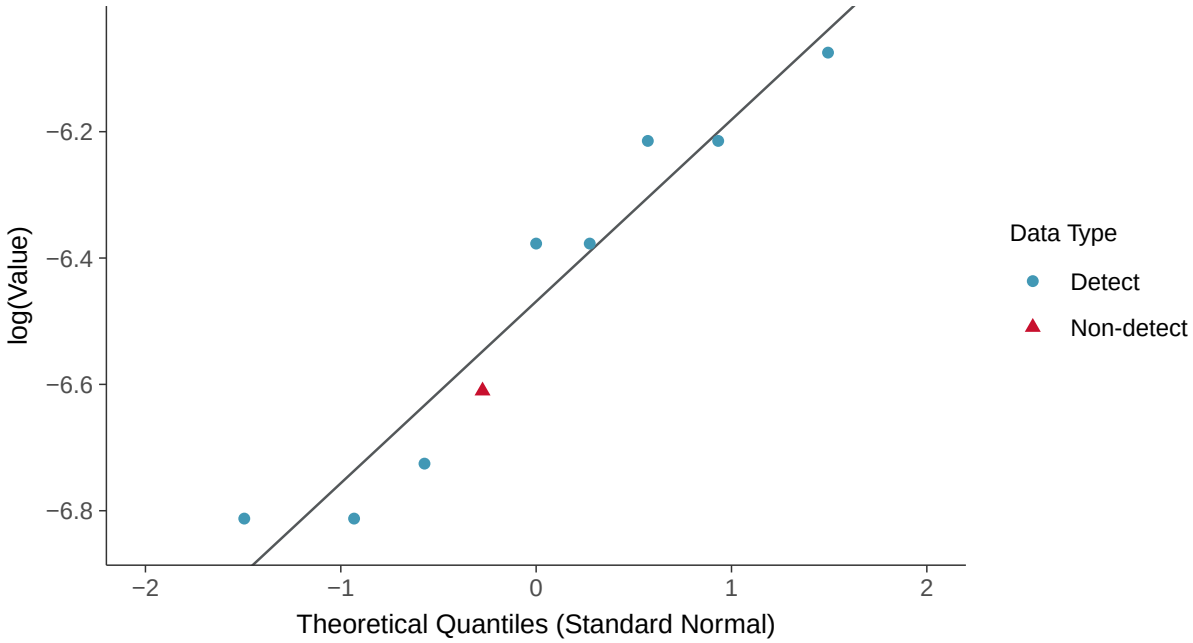
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-17A (mg/l)



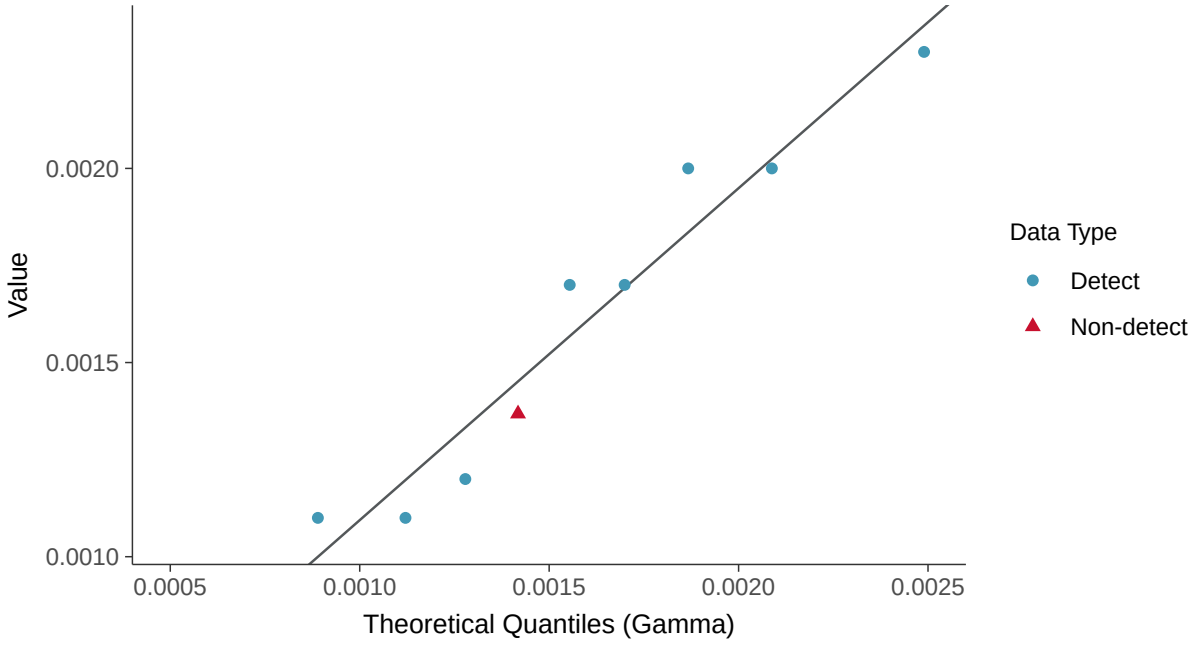
Lognormal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-17A (mg/l)



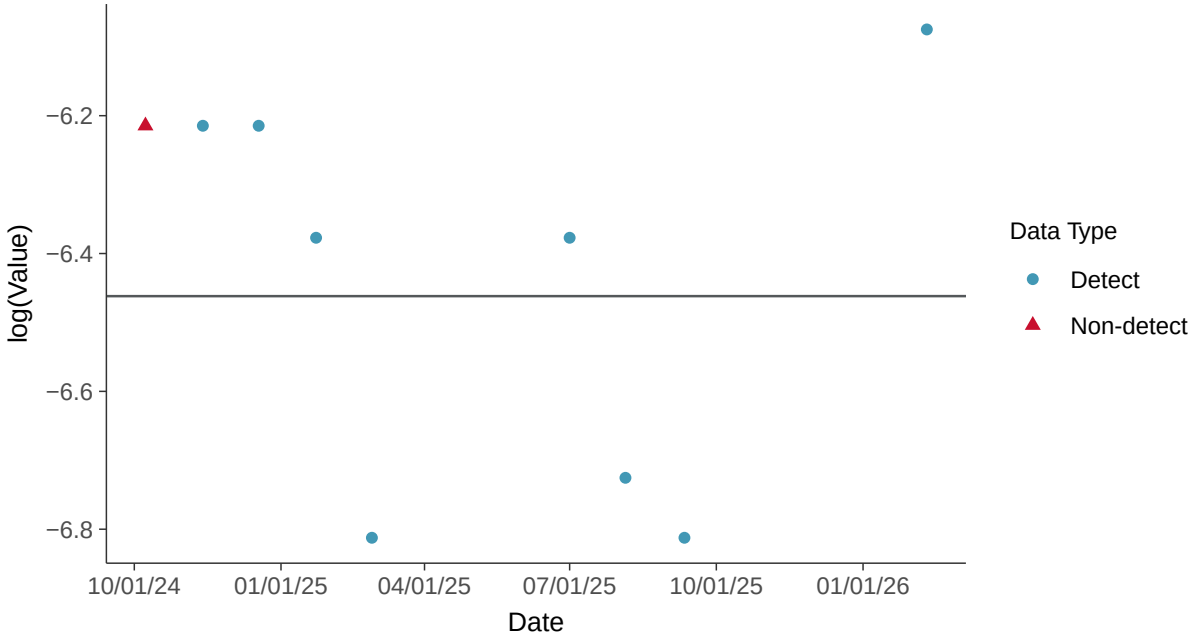
Gamma Q-Q plot using ROS Imputed Estimates

Arsenic, MW-17A (mg/l)



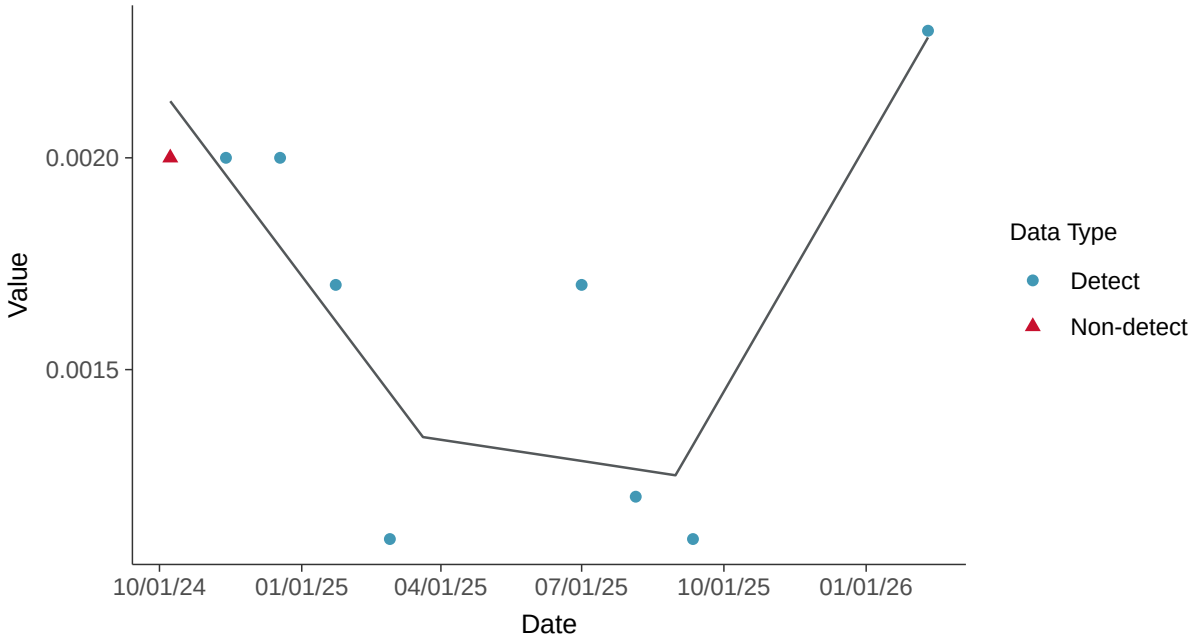
Trend Regression: Lognormal MLE

Arsenic, MW-17A (mg/l)



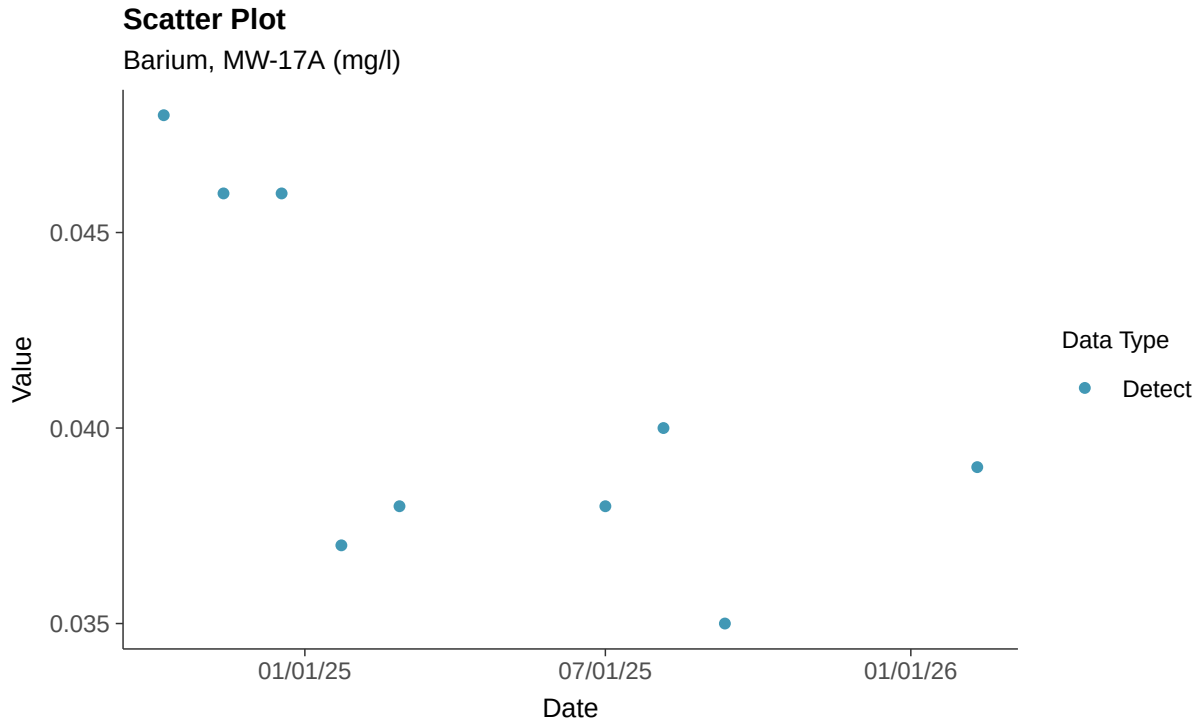
Trend Regression: Piecewise Linear-Linear-Linear

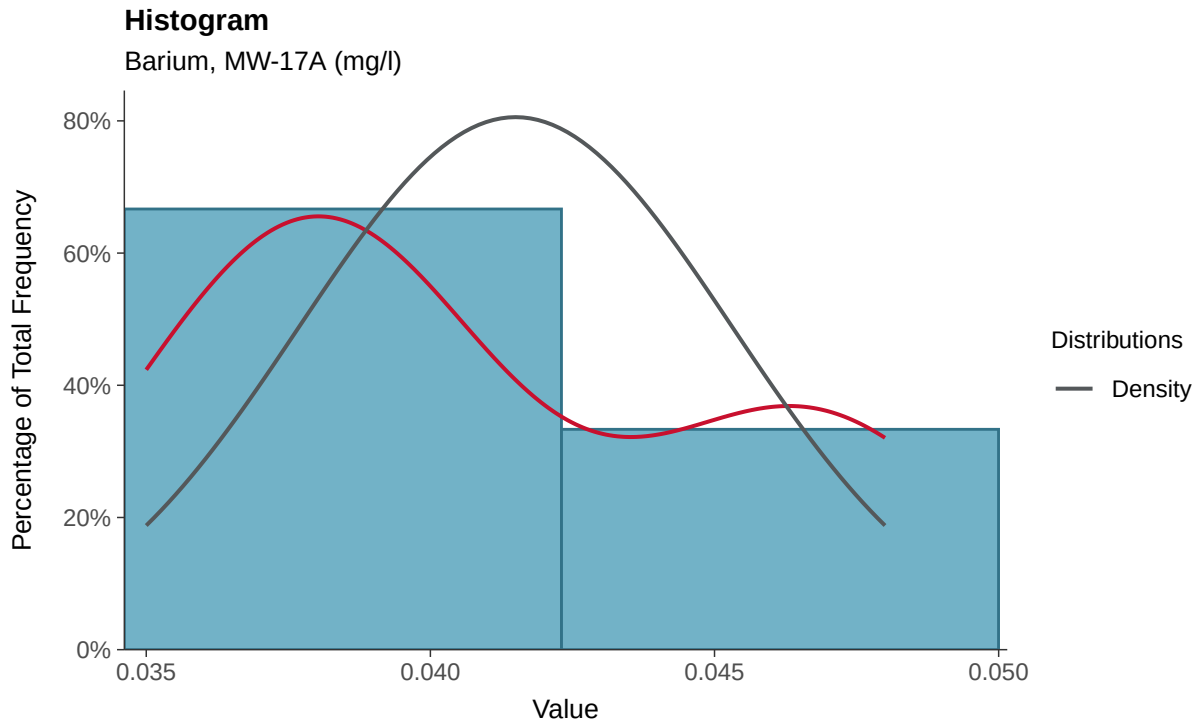
Arsenic, MW-17A (mg/l)



Appendix IV: Barium, MW-17A

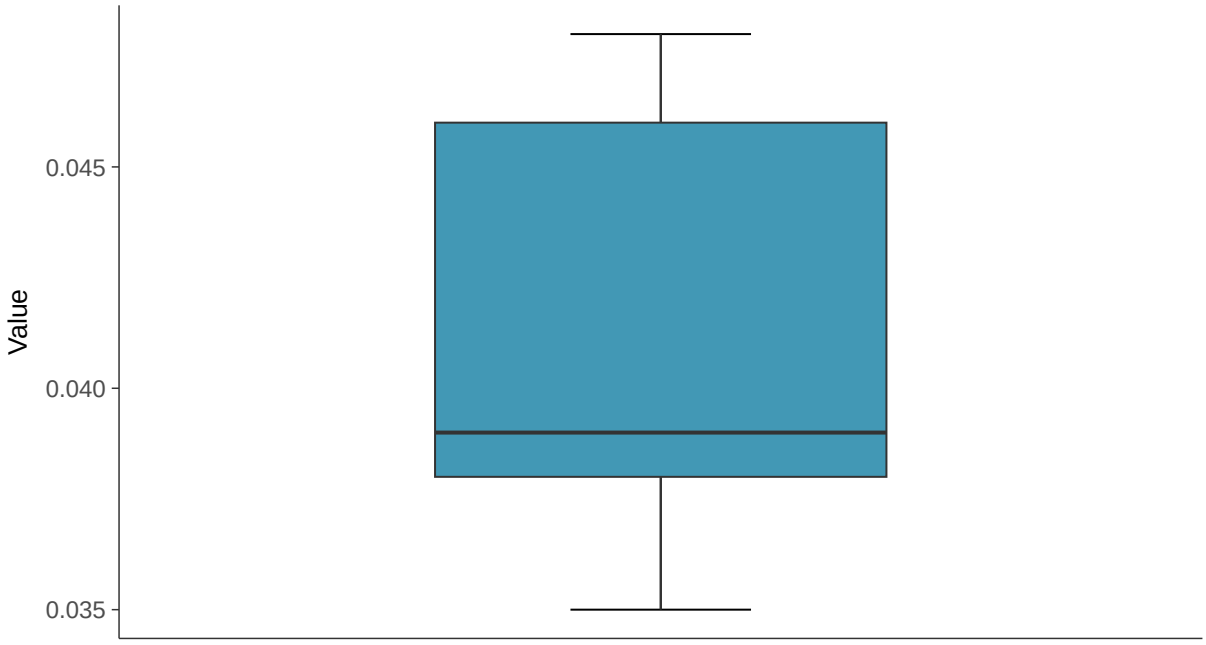
ID: 25_3_103





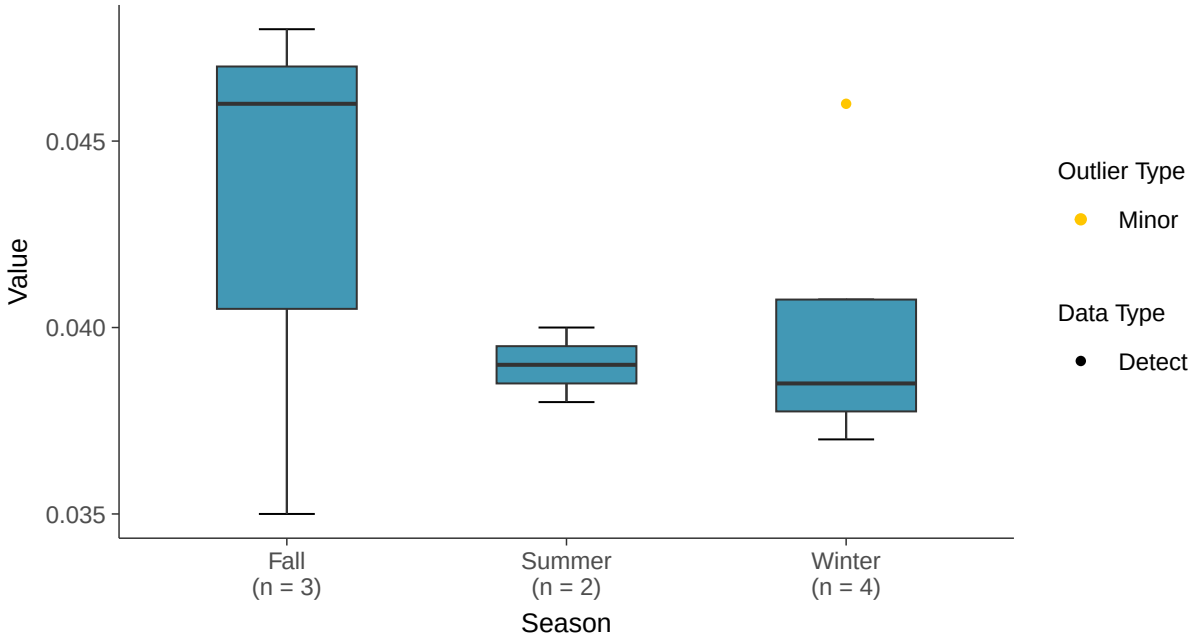
Boxplot

Barium, MW-17A (mg/l)



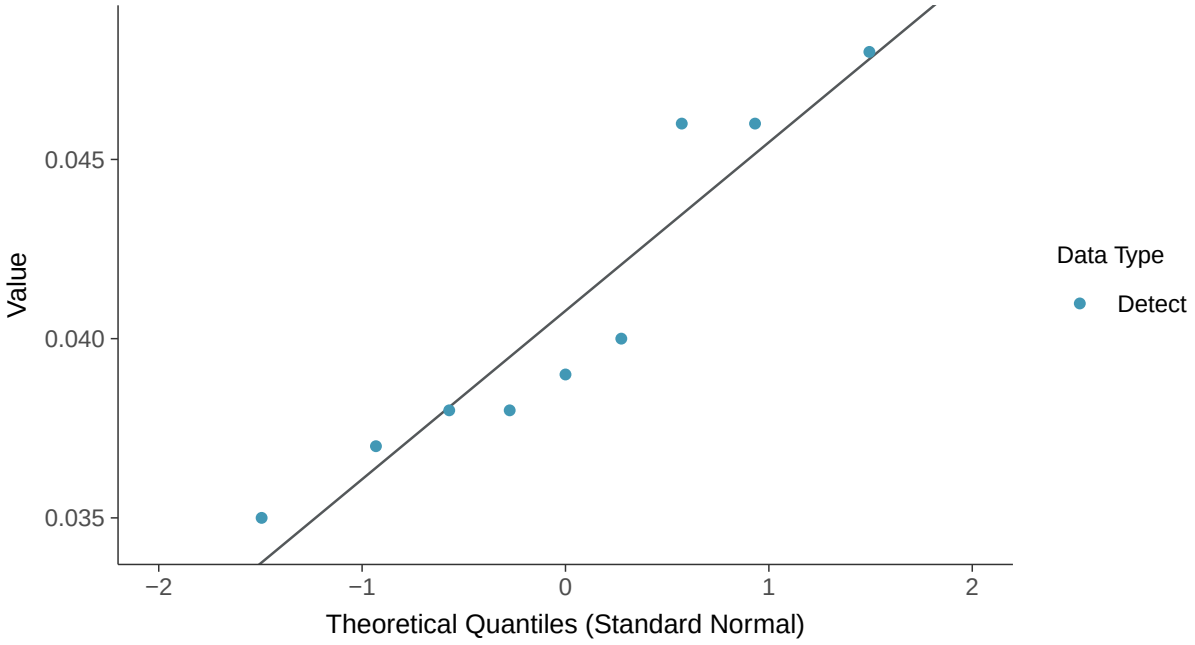
Boxplot by Season

Barium, MW-17A (mg/l)



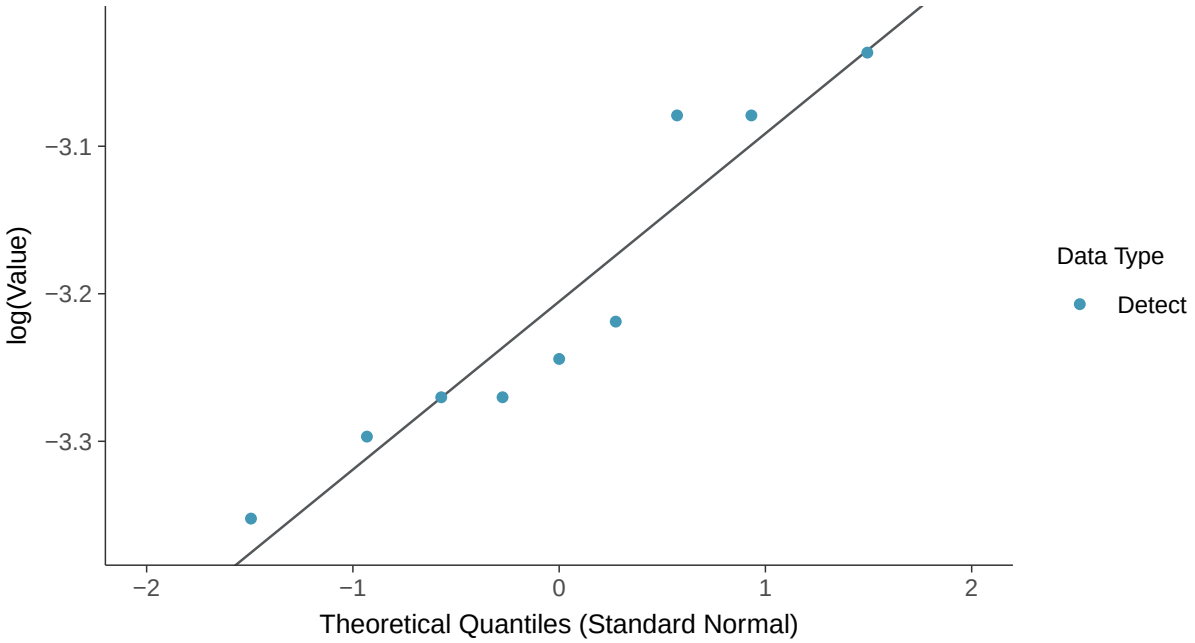
Normal Q-Q plot

Barium, MW-17A (mg/l)



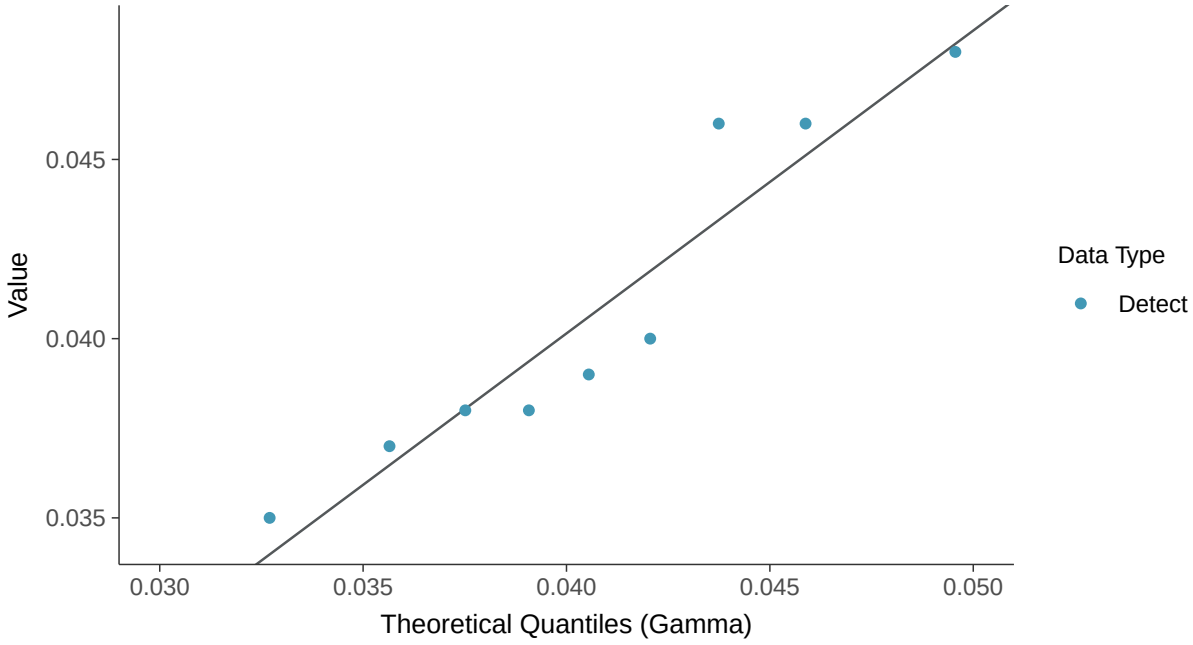
Lognormal Q-Q plot

Barium, MW-17A (mg/l)



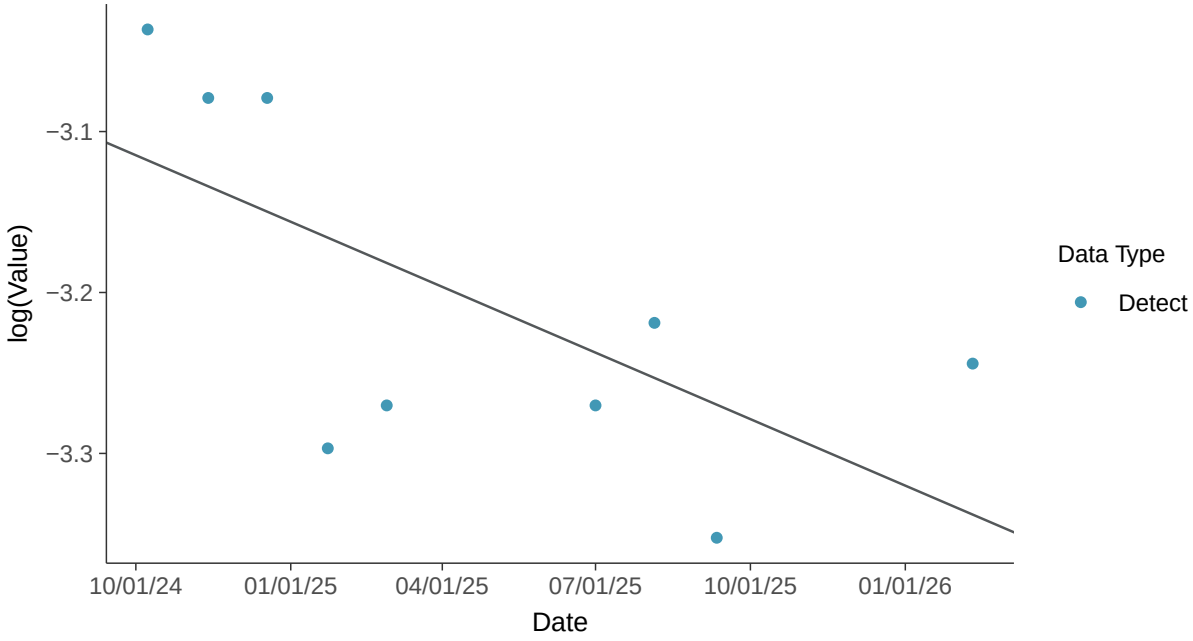
Gamma Q-Q plot

Barium, MW-17A (mg/l)



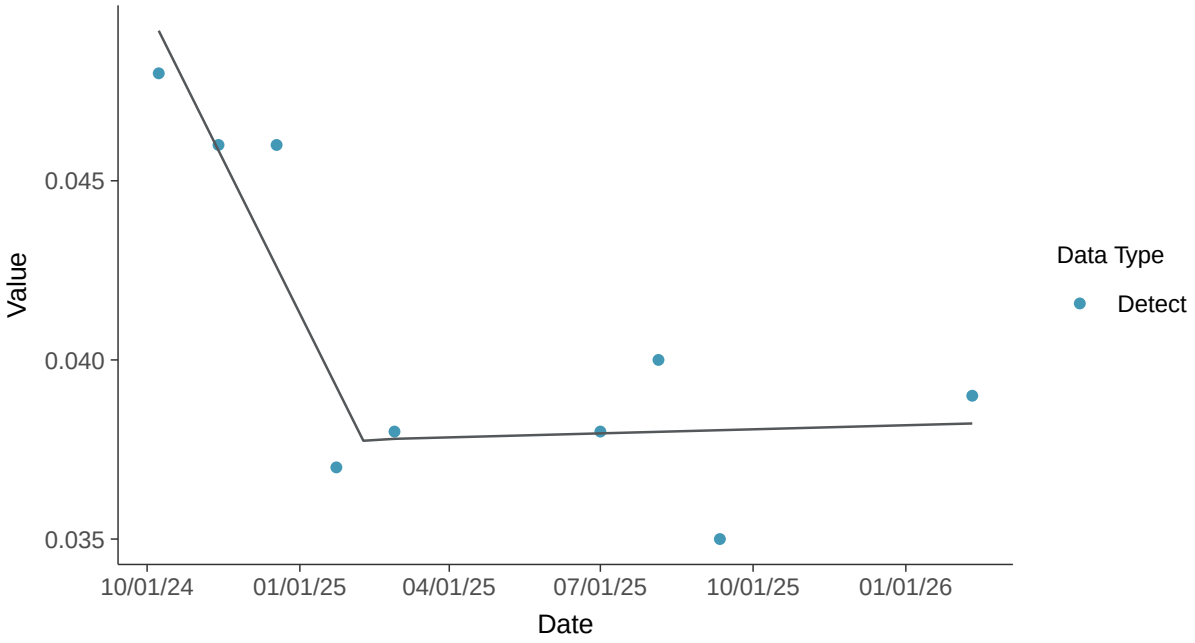
Trend Regression: Lognormal MLE

Barium, MW-17A (mg/l)



Trend Regression: Piecewise Linear-Linear

Barium, MW-17A (mg/l)

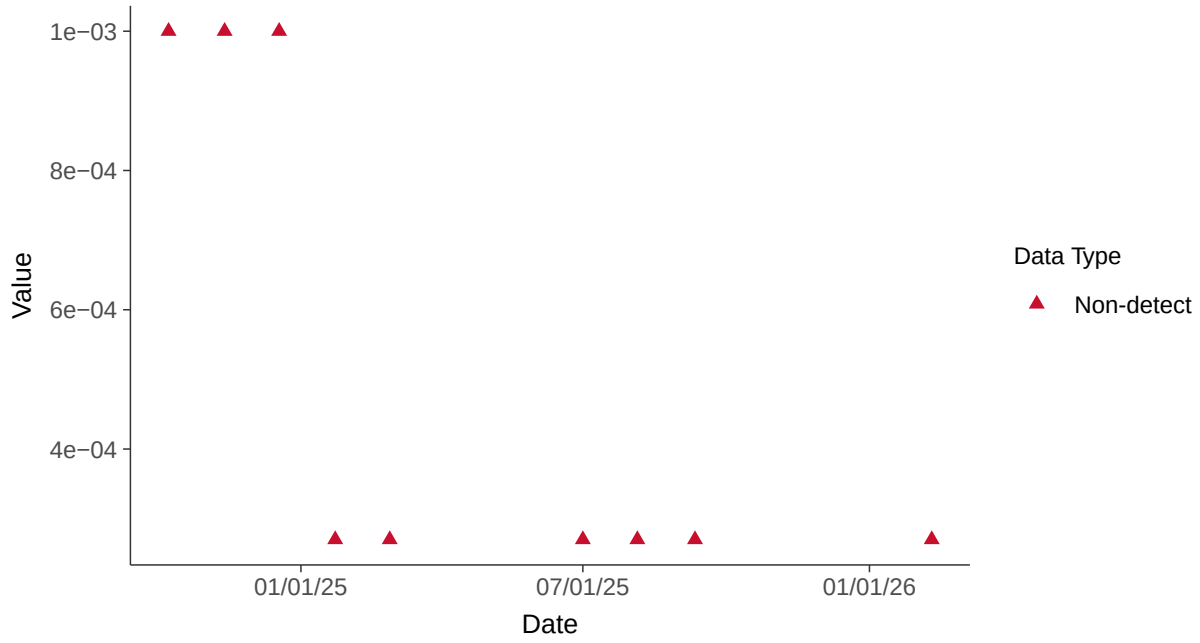


Appendix IV: Beryllium, MW-17A

ID: 25_3_104

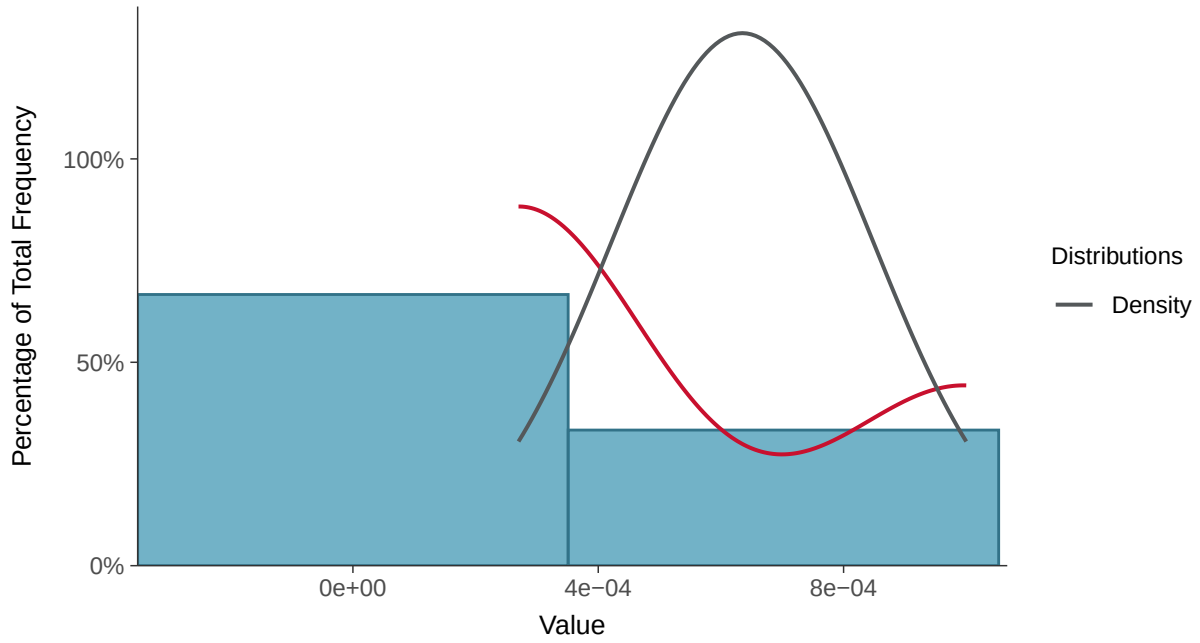
Scatter Plot

Beryllium, MW-17A (mg/l)



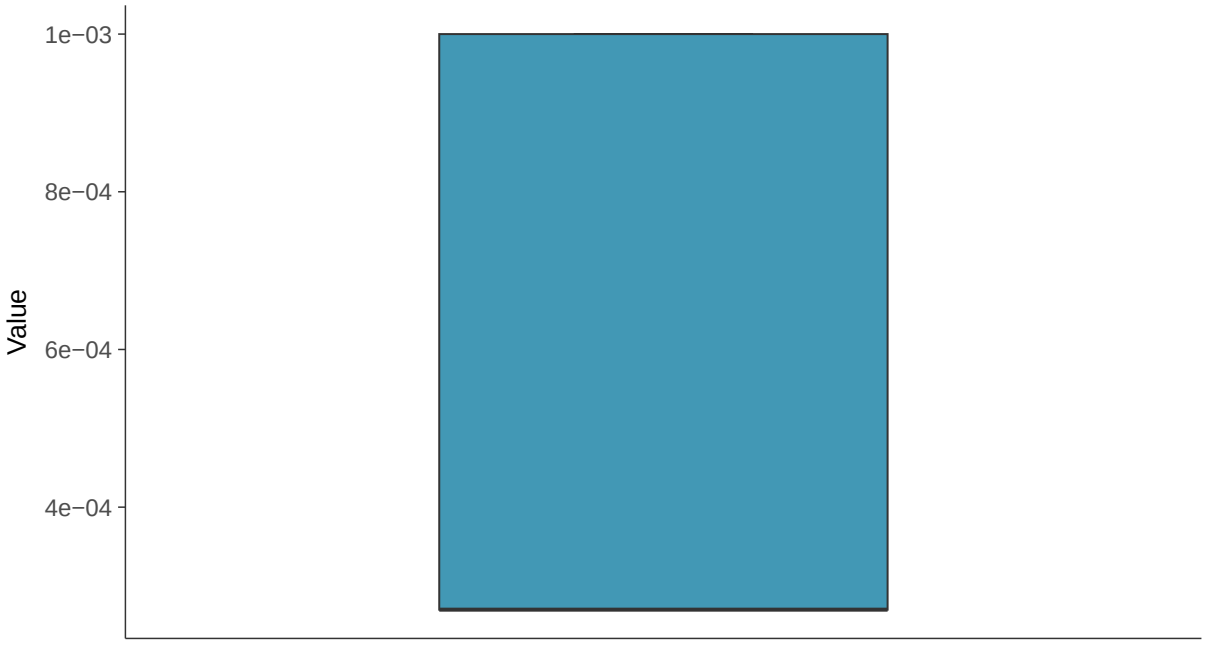
Histogram

Beryllium, MW-17A (mg/l)



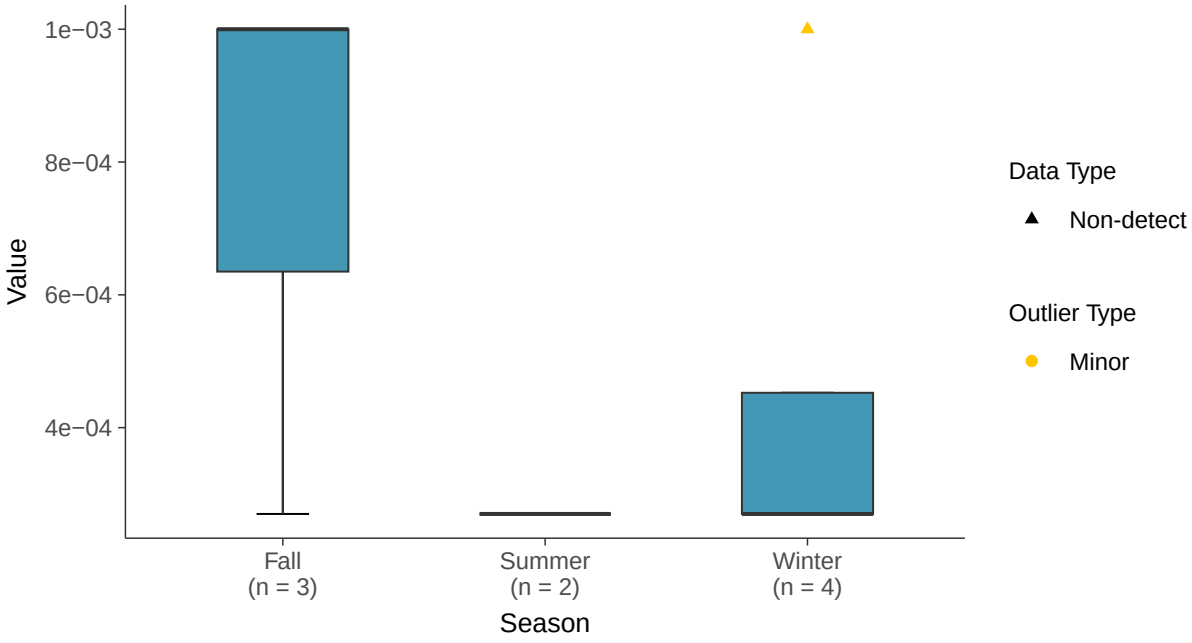
Boxplot

Beryllium, MW-17A (mg/l)



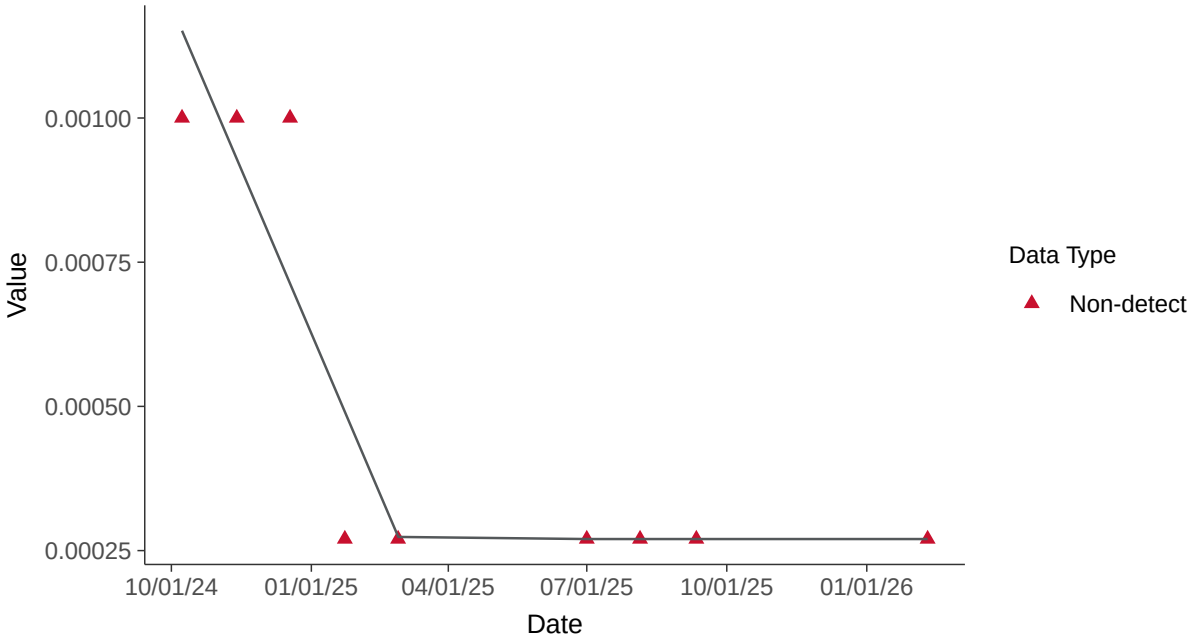
Boxplot by Season

Beryllium, MW-17A (mg/l)



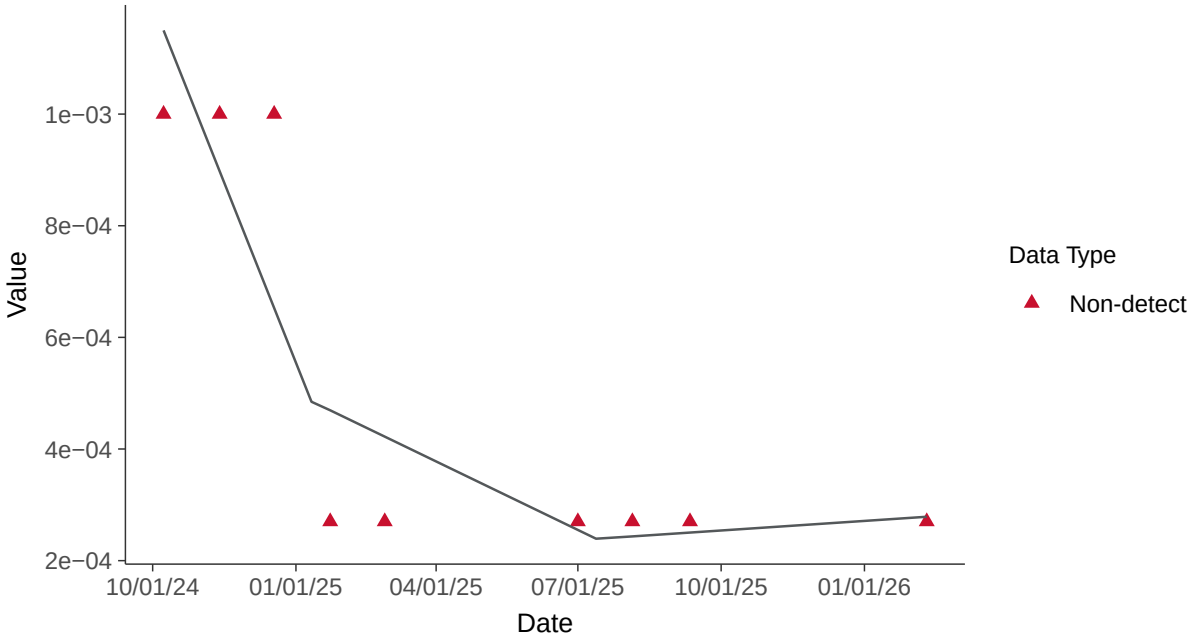
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-17A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Beryllium, MW-17A (mg/l)

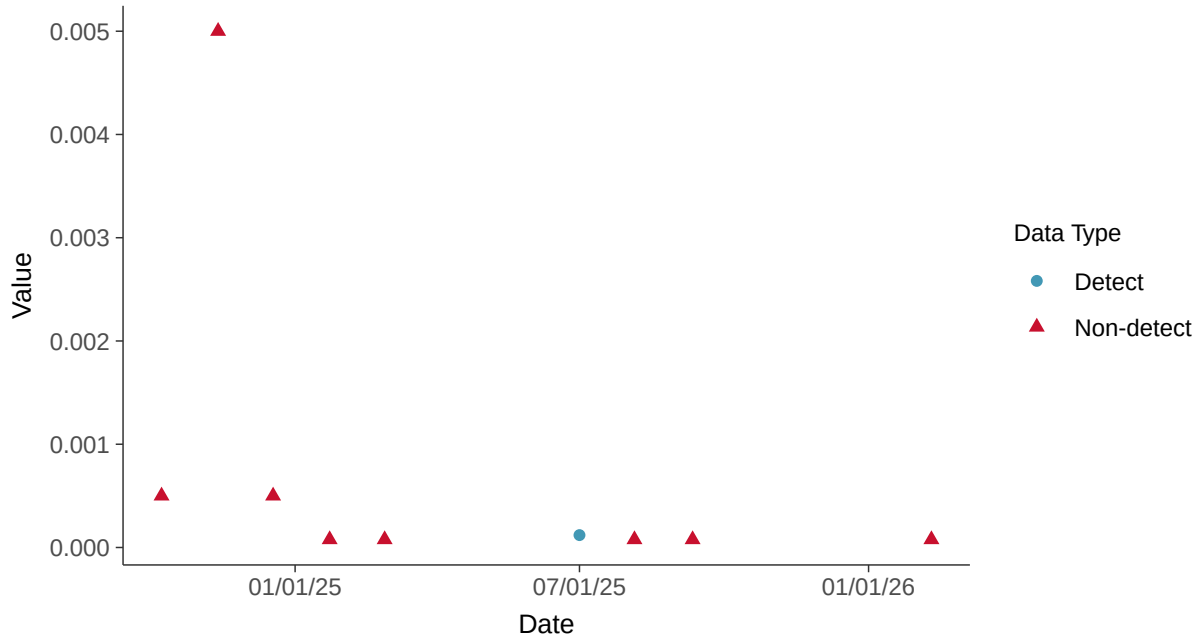


Appendix IV: Cadmium, MW-17A

ID: 25_3_106

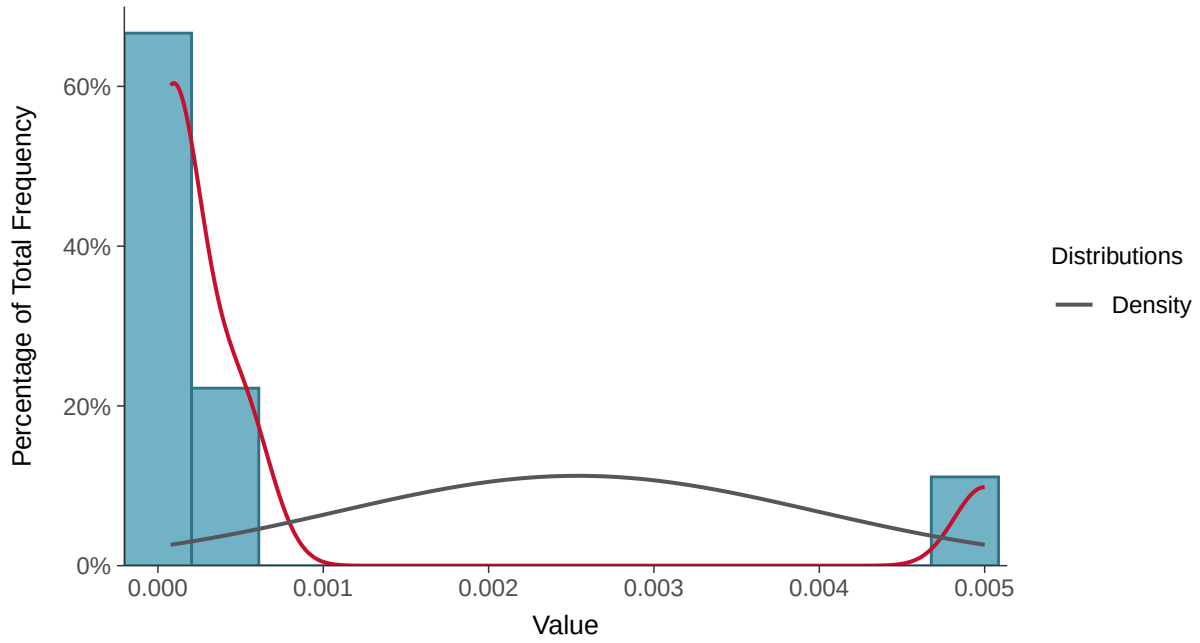
Scatter Plot

Cadmium, MW-17A (mg/l)



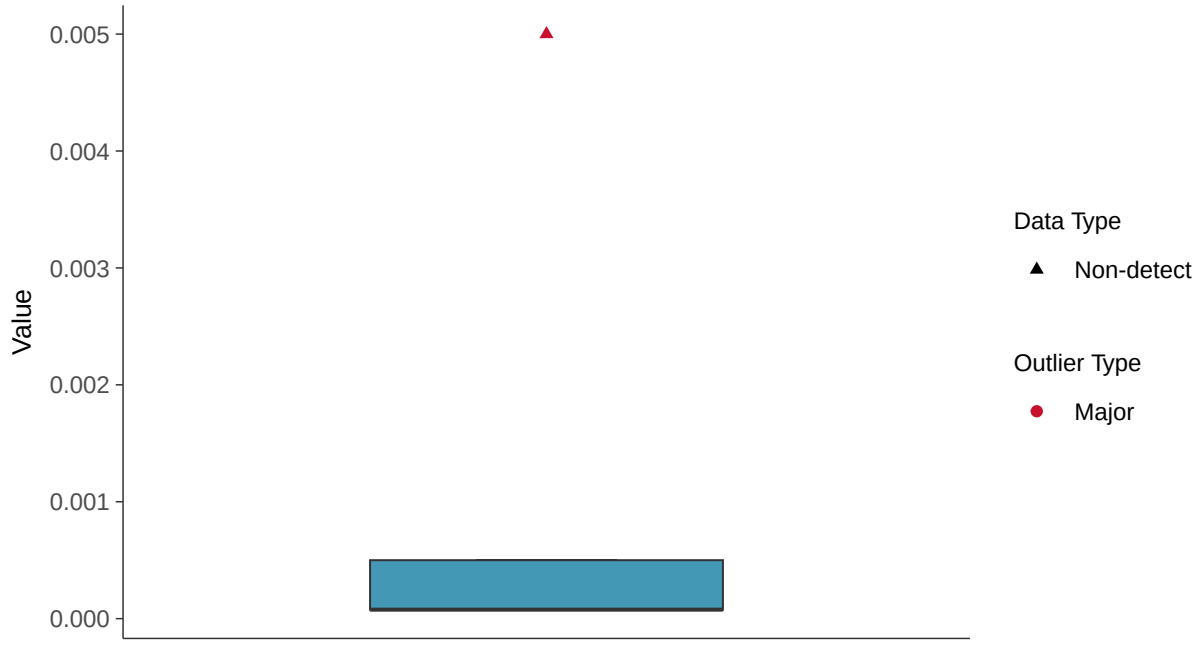
Histogram

Cadmium, MW-17A (mg/l)



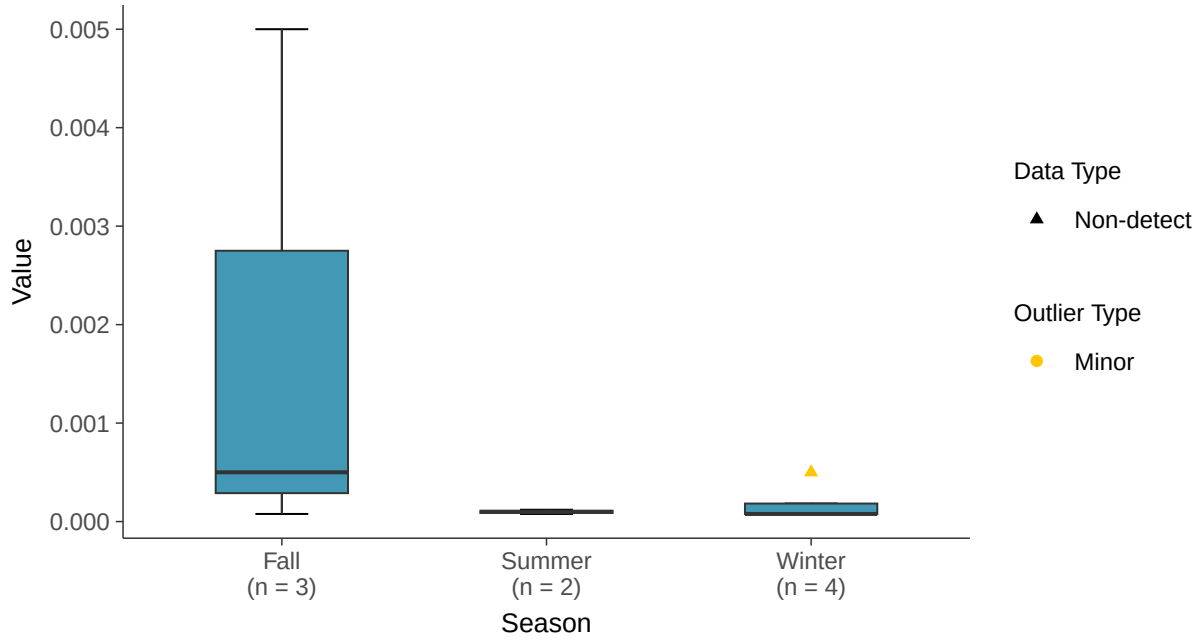
Boxplot

Cadmium, MW-17A (mg/l)



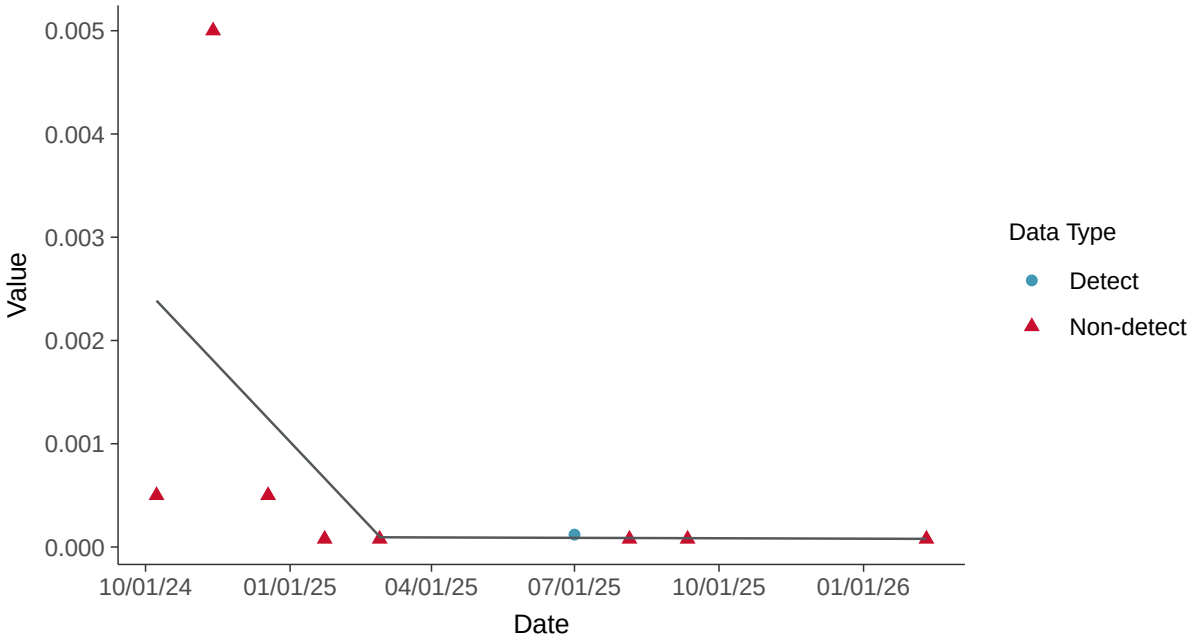
Boxplot by Season

Cadmium, MW-17A (mg/l)



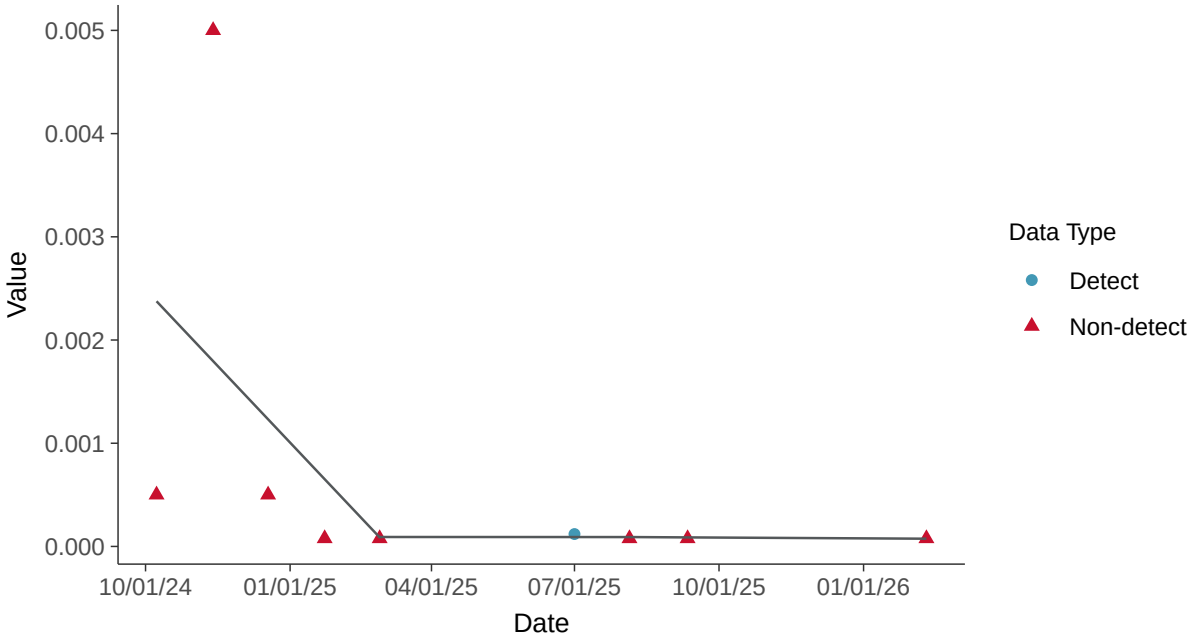
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-17A (mg/l)



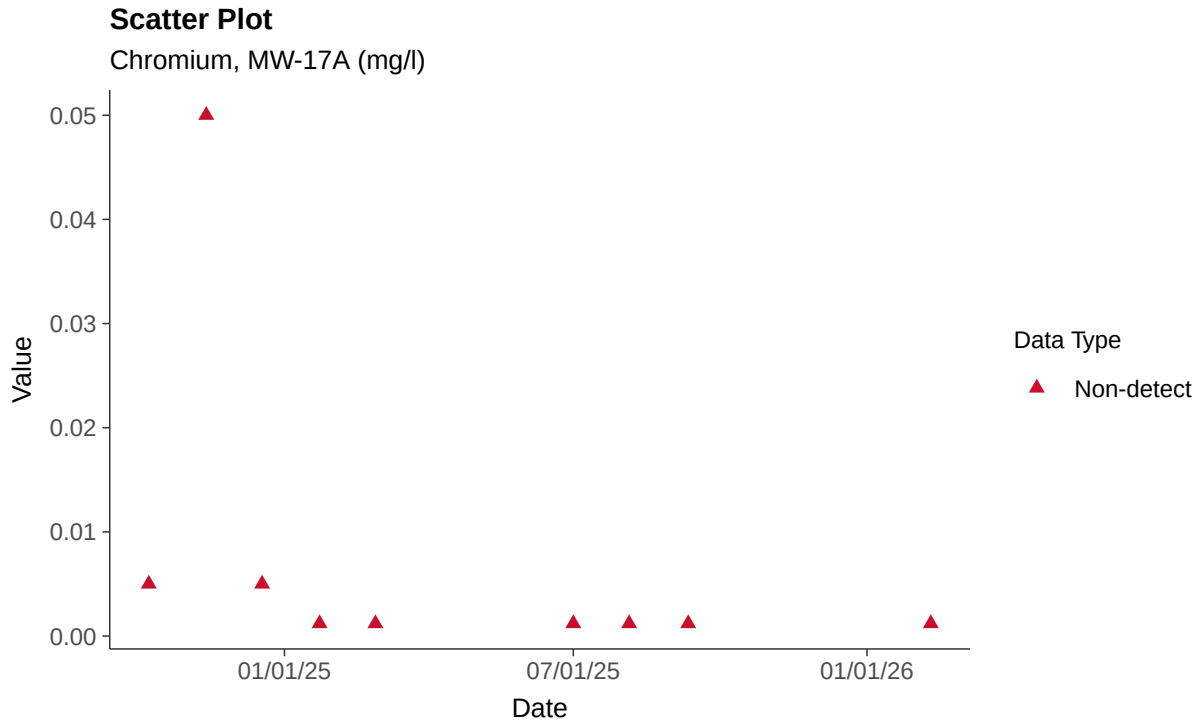
Trend Regression: Piecewise Linear-Linear-Linear

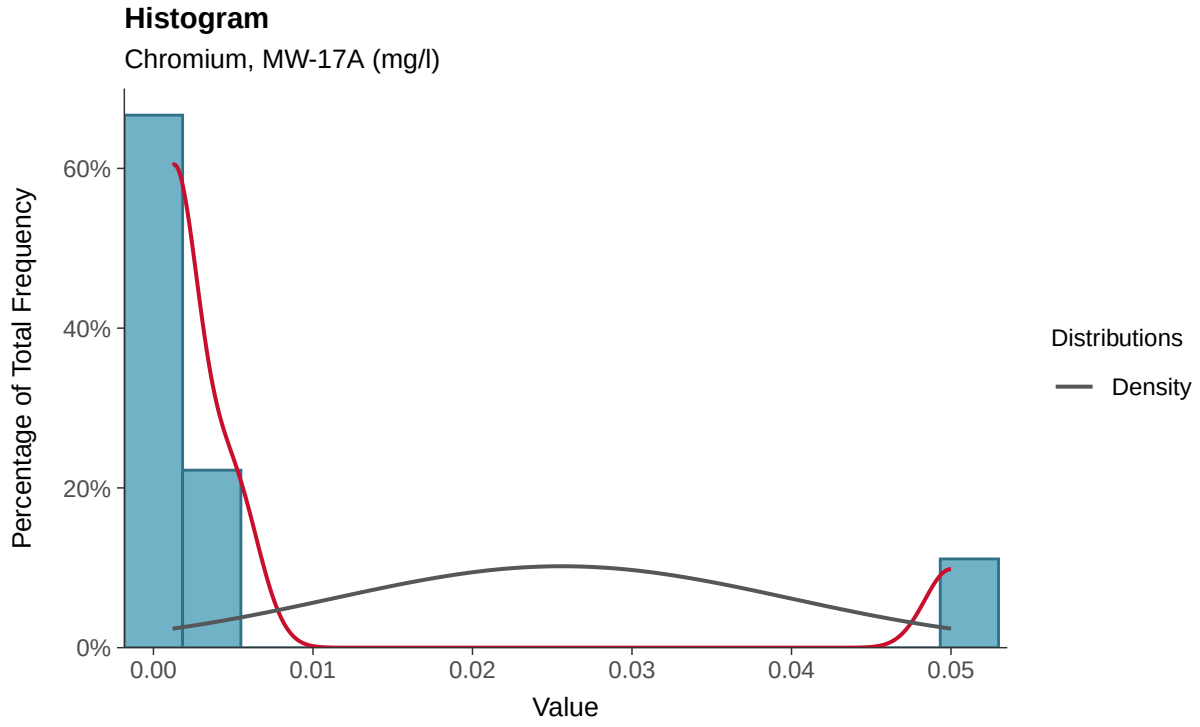
Cadmium, MW-17A (mg/l)



Appendix IV: Chromium, MW-17A

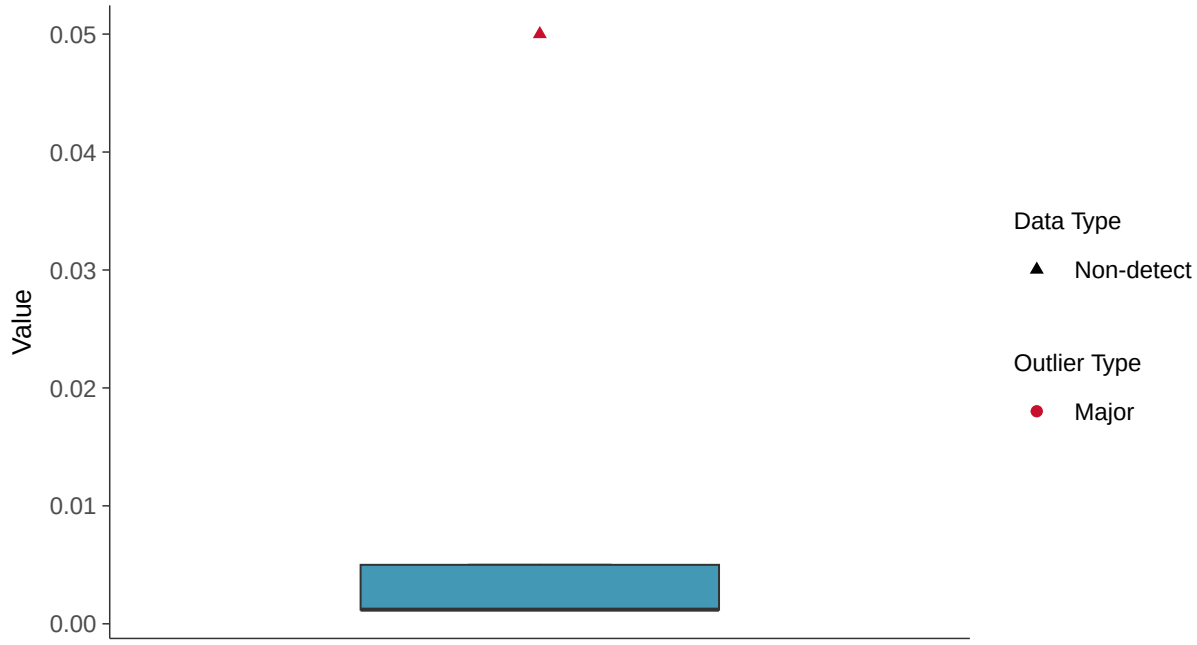
ID: 25_3_109





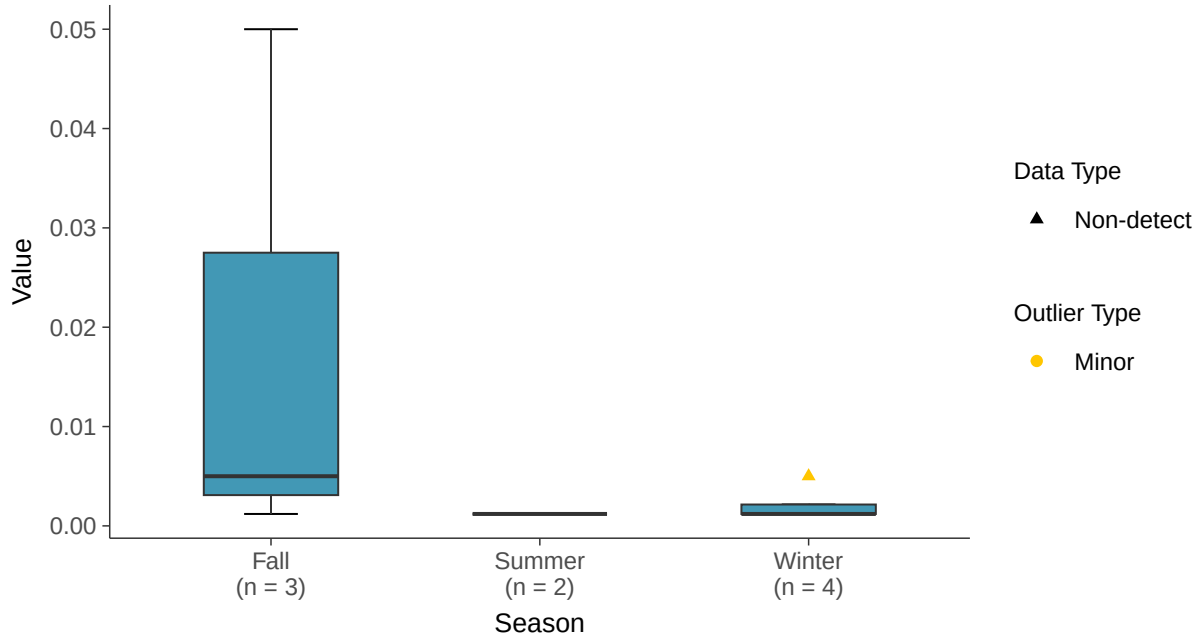
Boxplot

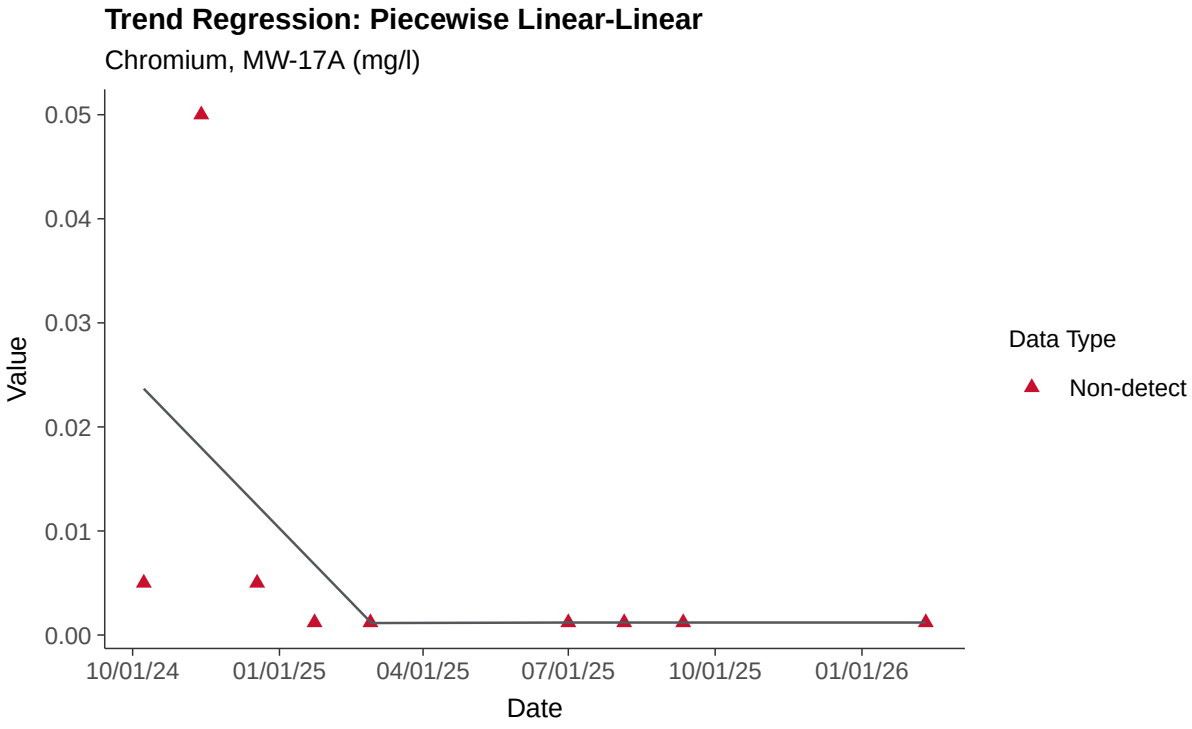
Chromium, MW-17A (mg/l)



Boxplot by Season

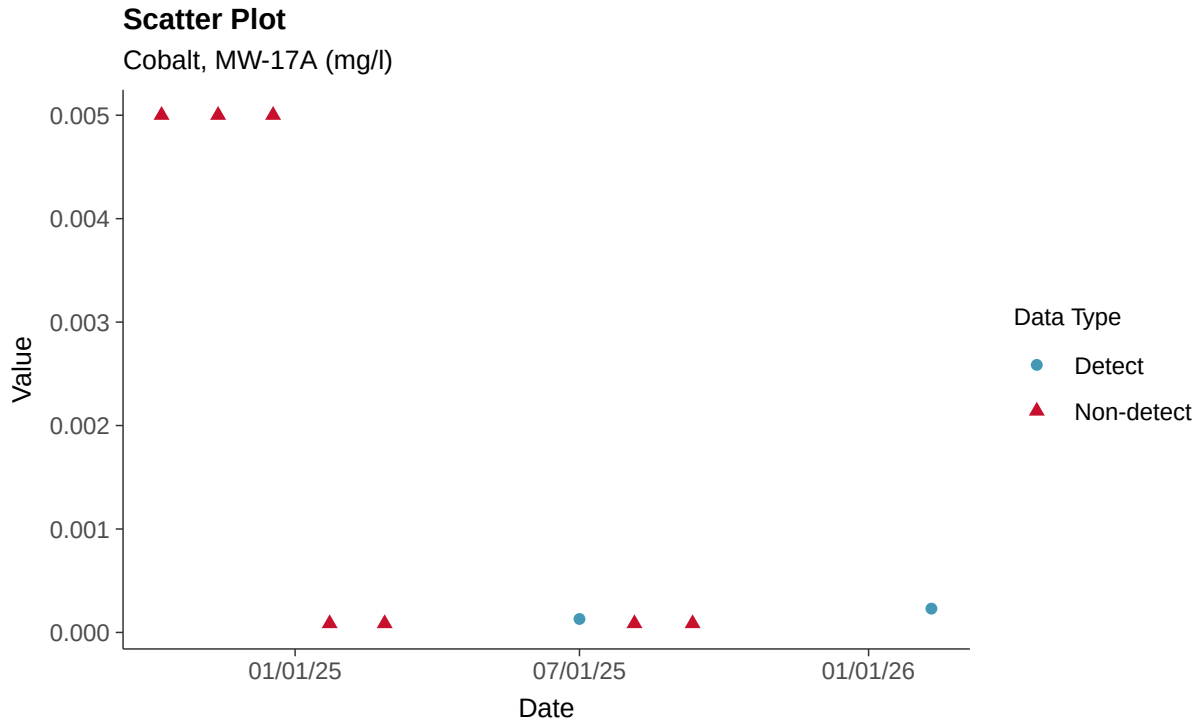
Chromium, MW-17A (mg/l)

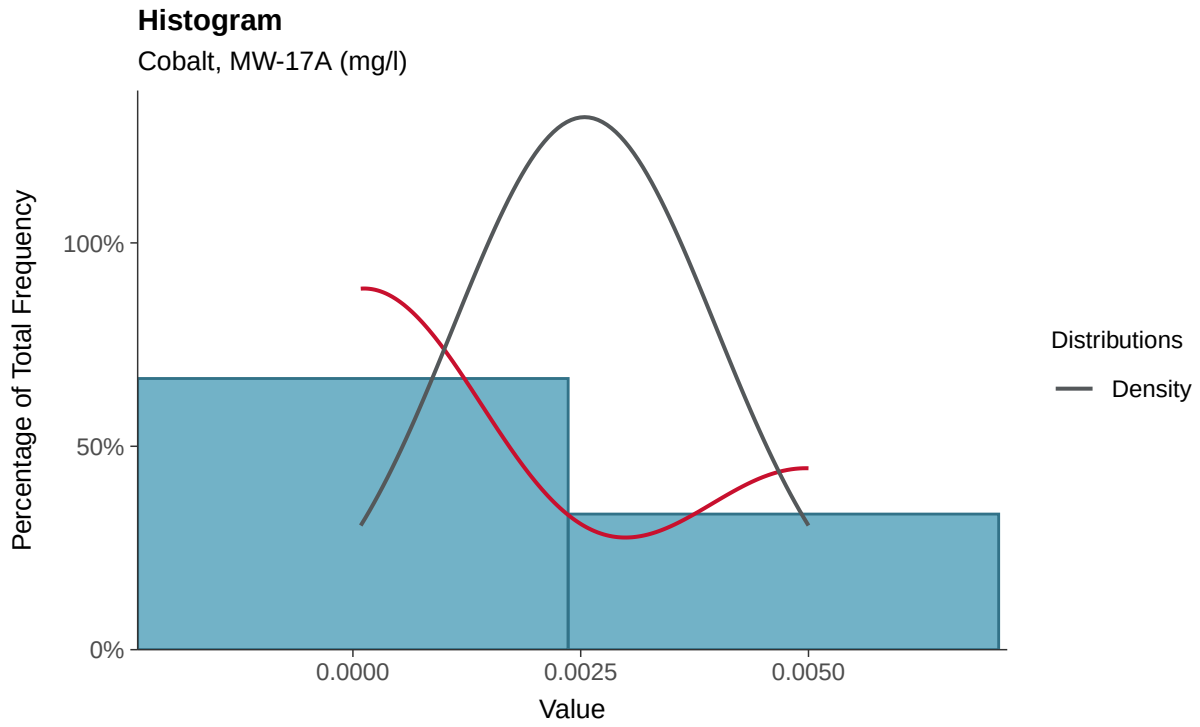



Trend Regression: Piecewise Linear-Linear
Chromium, MW-17A (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cobalt, MW-17A

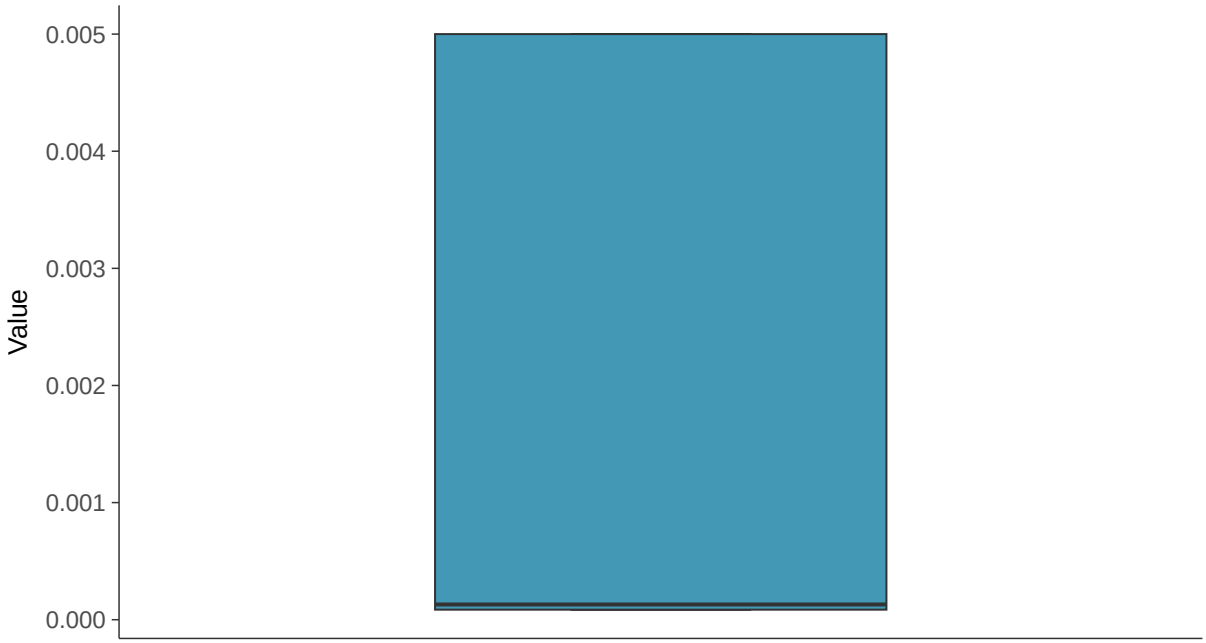
ID: 25_3_110





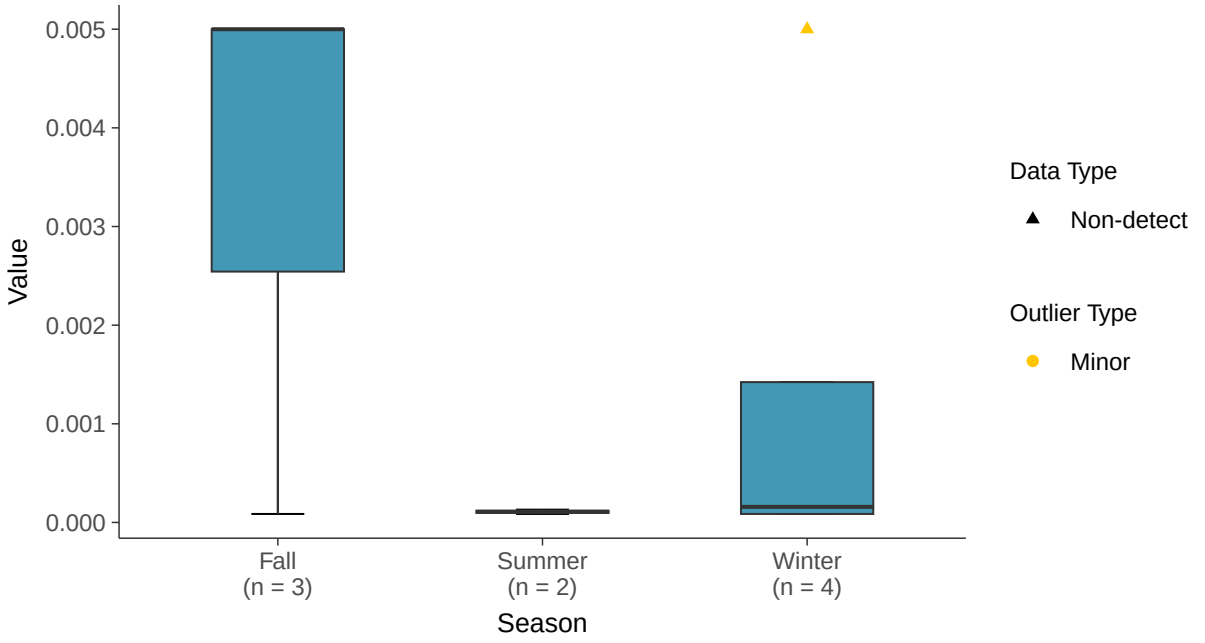
Boxplot

Cobalt, MW-17A (mg/l)



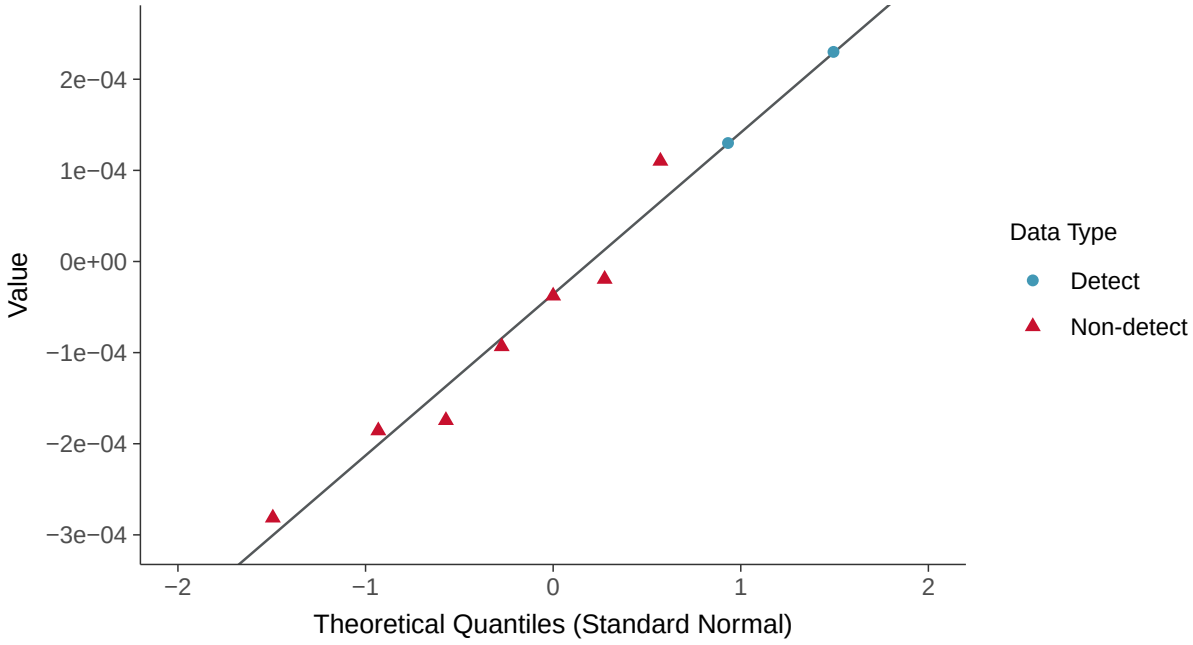
Boxplot by Season

Cobalt, MW-17A (mg/l)



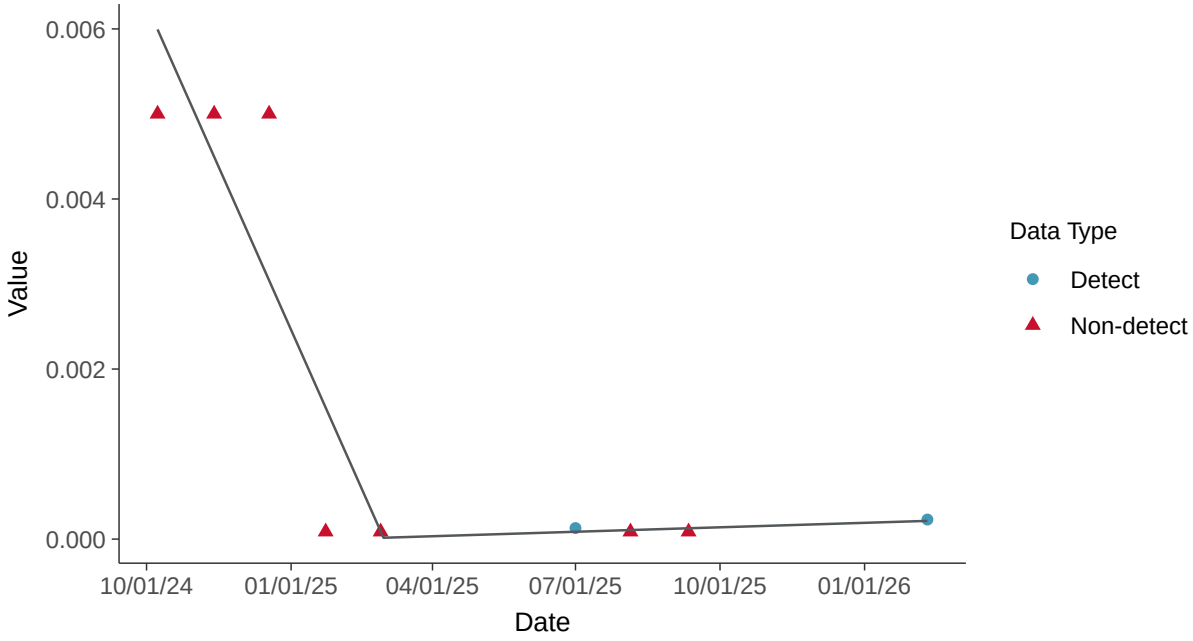
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-17A (mg/l)



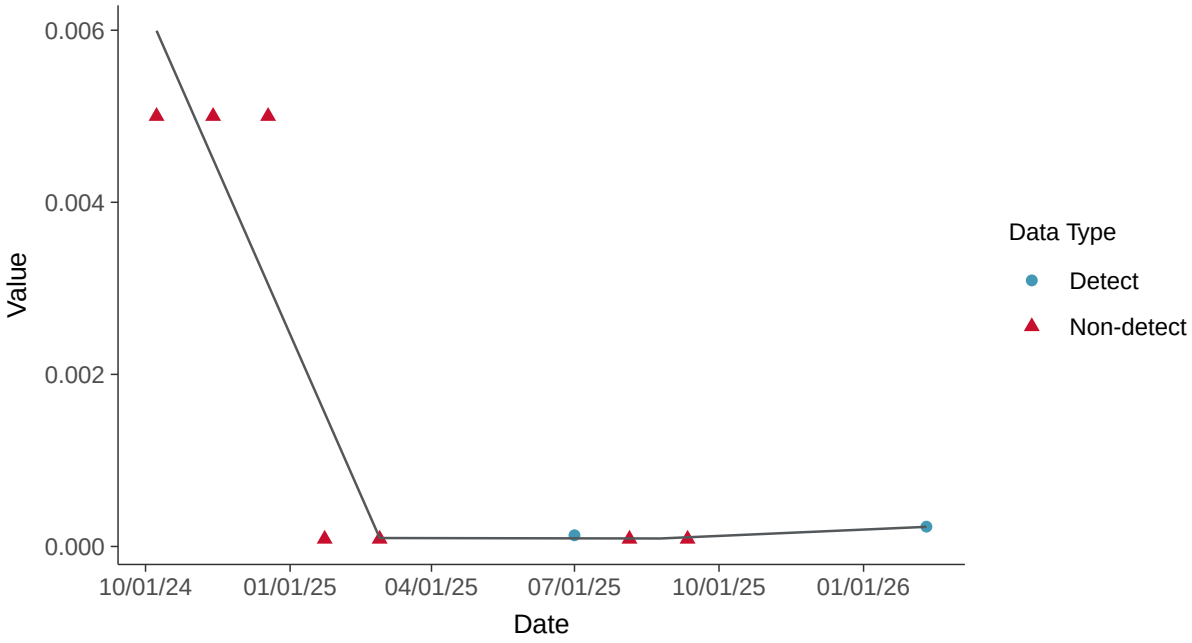
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-17A (mg/l)



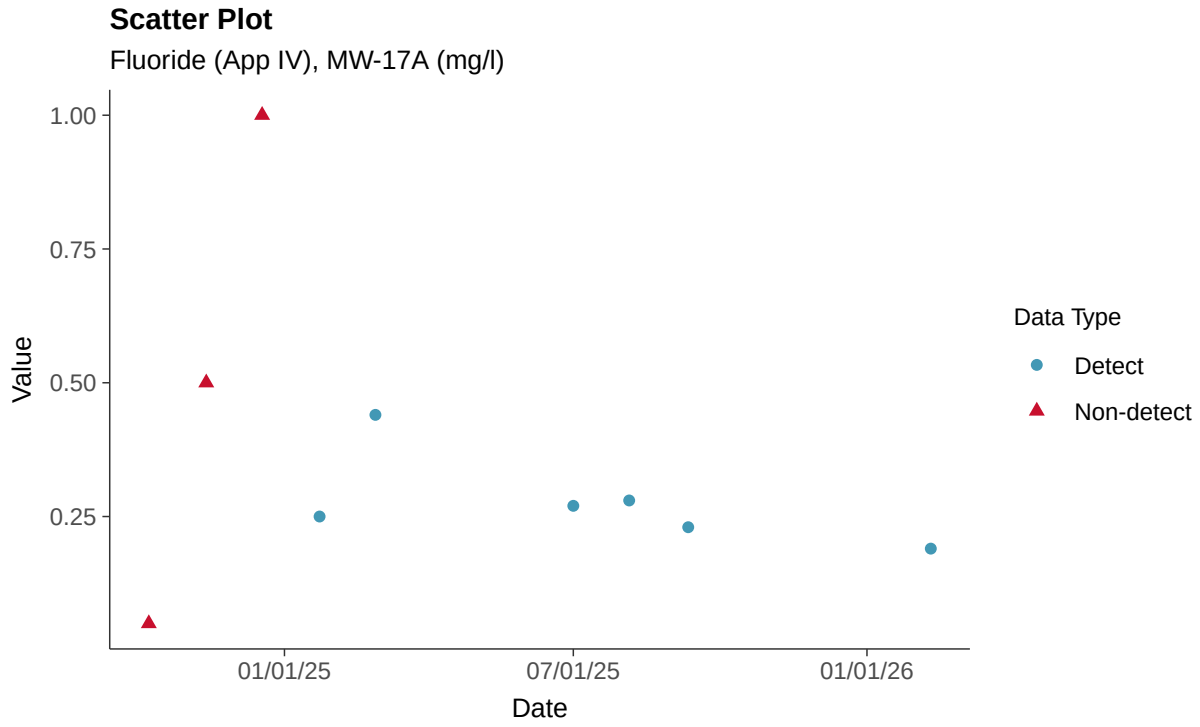
Trend Regression: Piecewise Linear-Linear-Linear

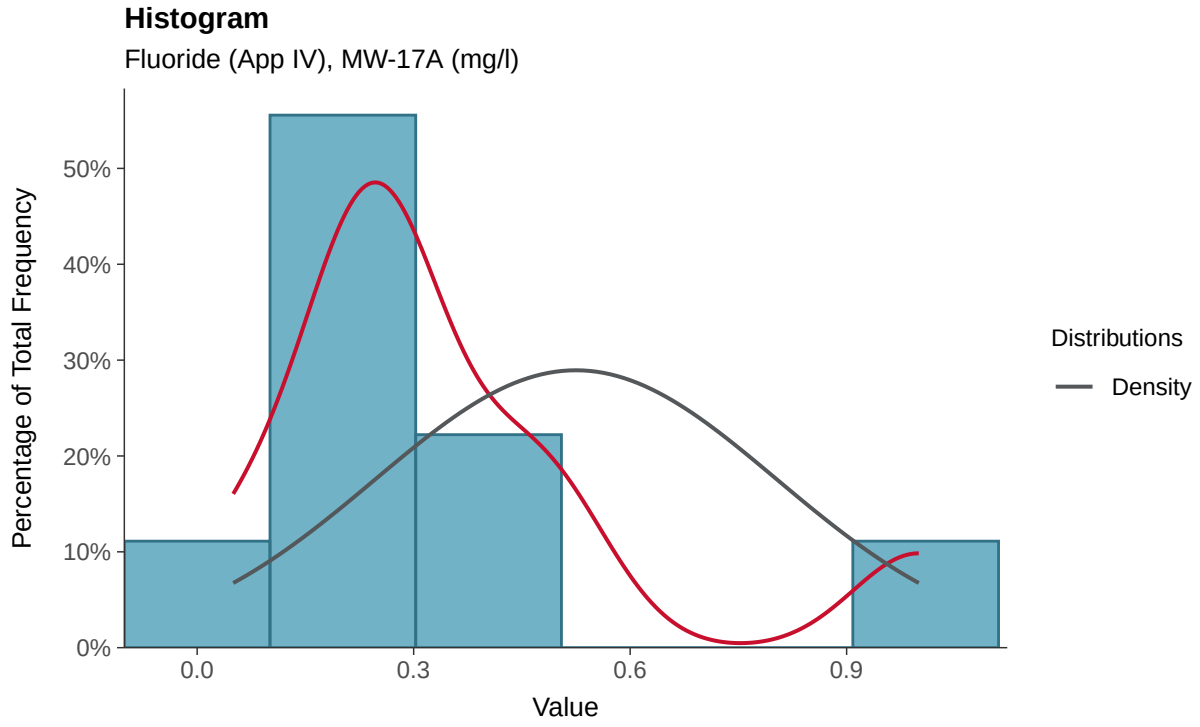
Cobalt, MW-17A (mg/l)



Appendix IV: Fluoride (App IV), MW-17A

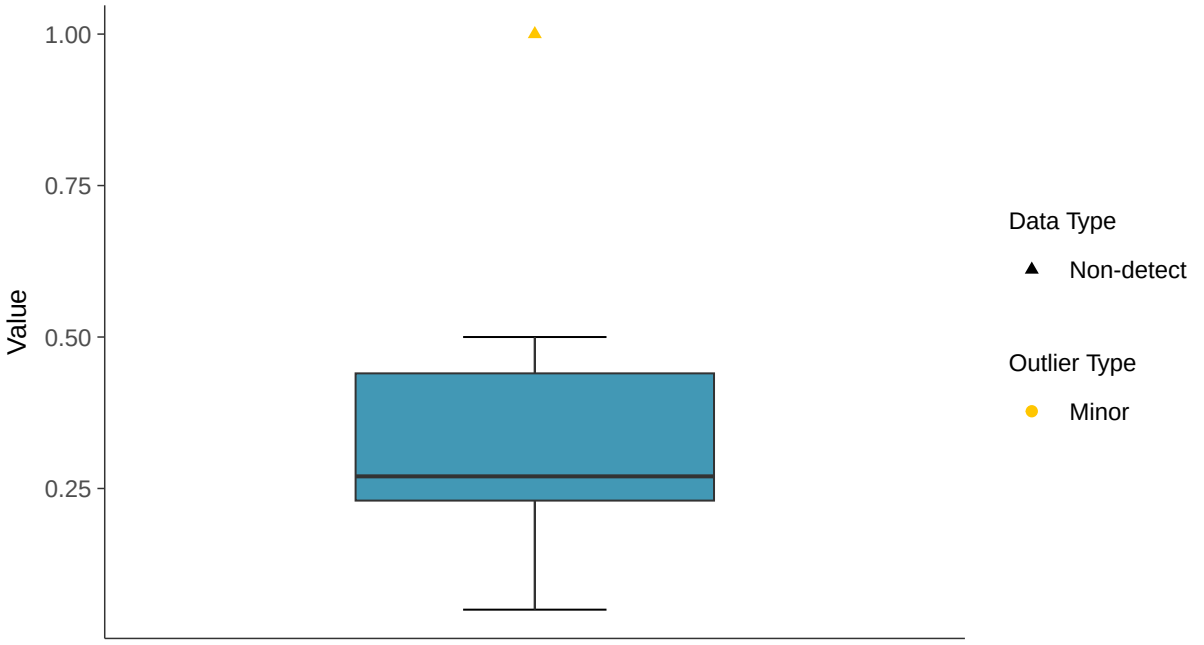
ID: 25_3_113





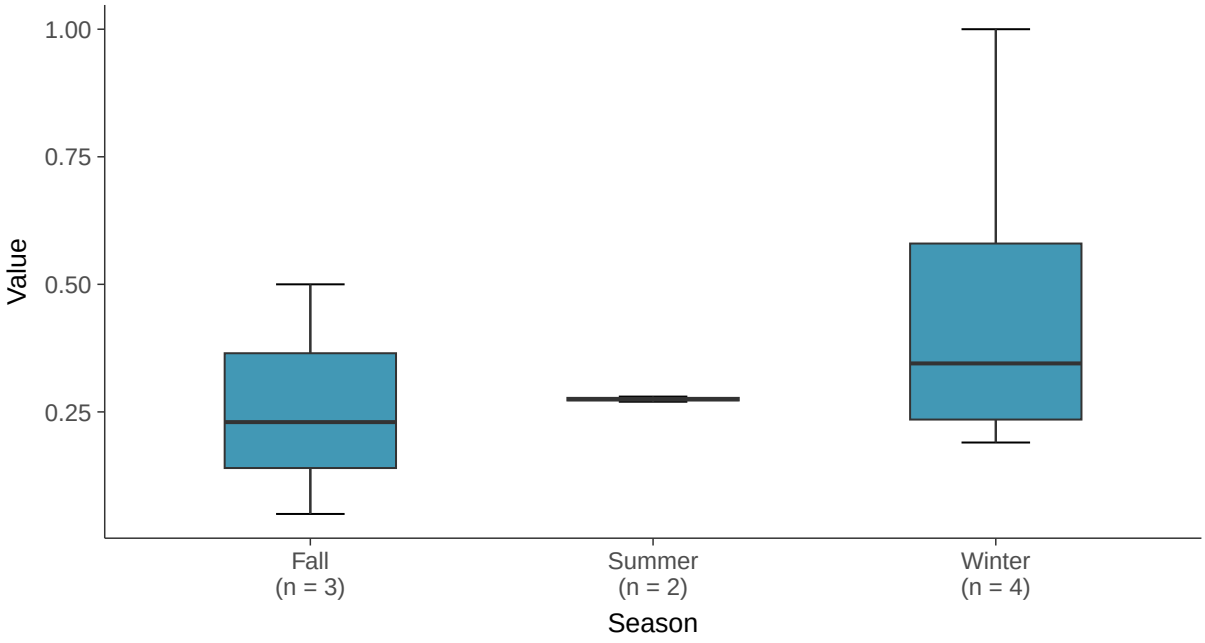
Boxplot

Fluoride (App IV), MW-17A (mg/l)



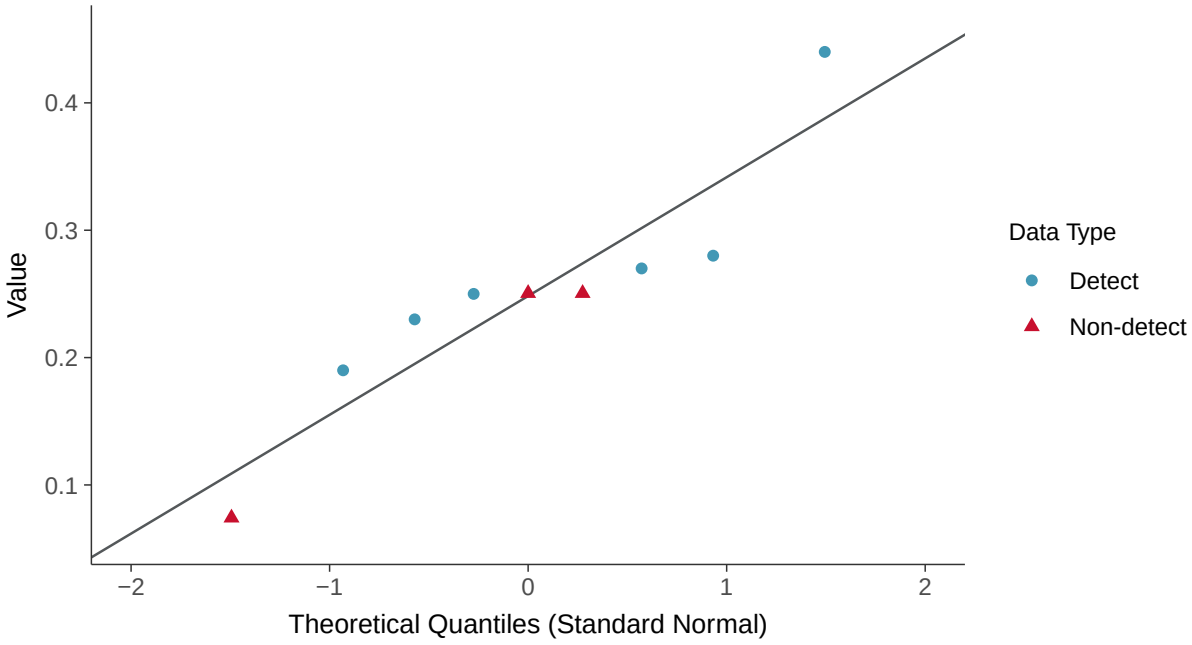
Boxplot by Season

Fluoride (App IV), MW-17A (mg/l)



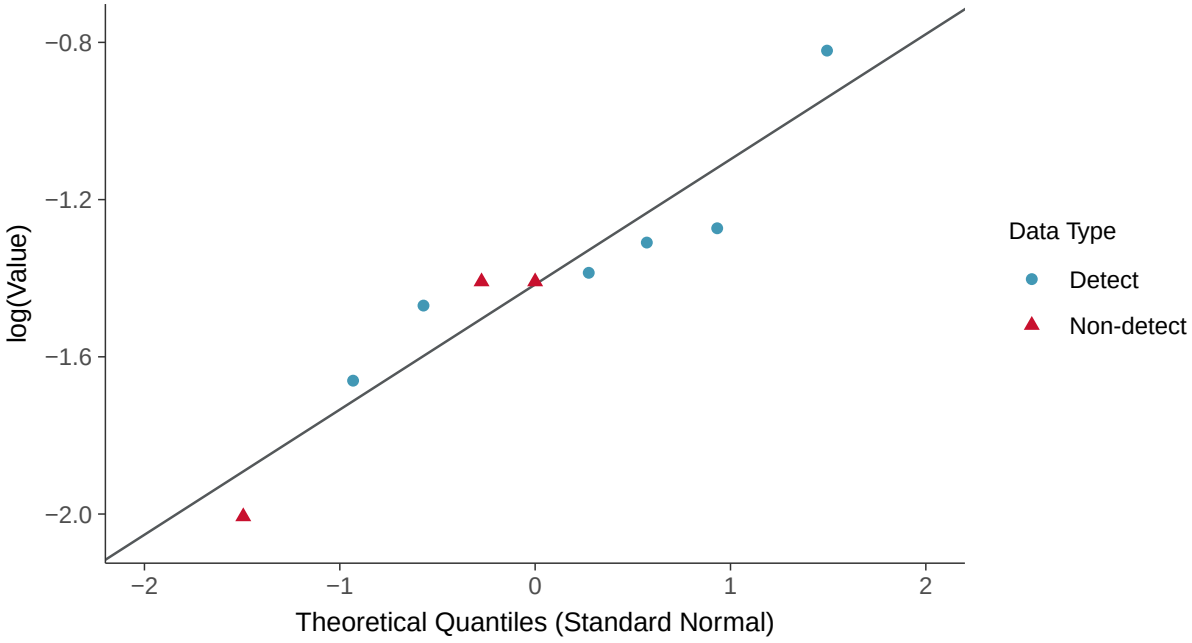
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-17A (mg/l)



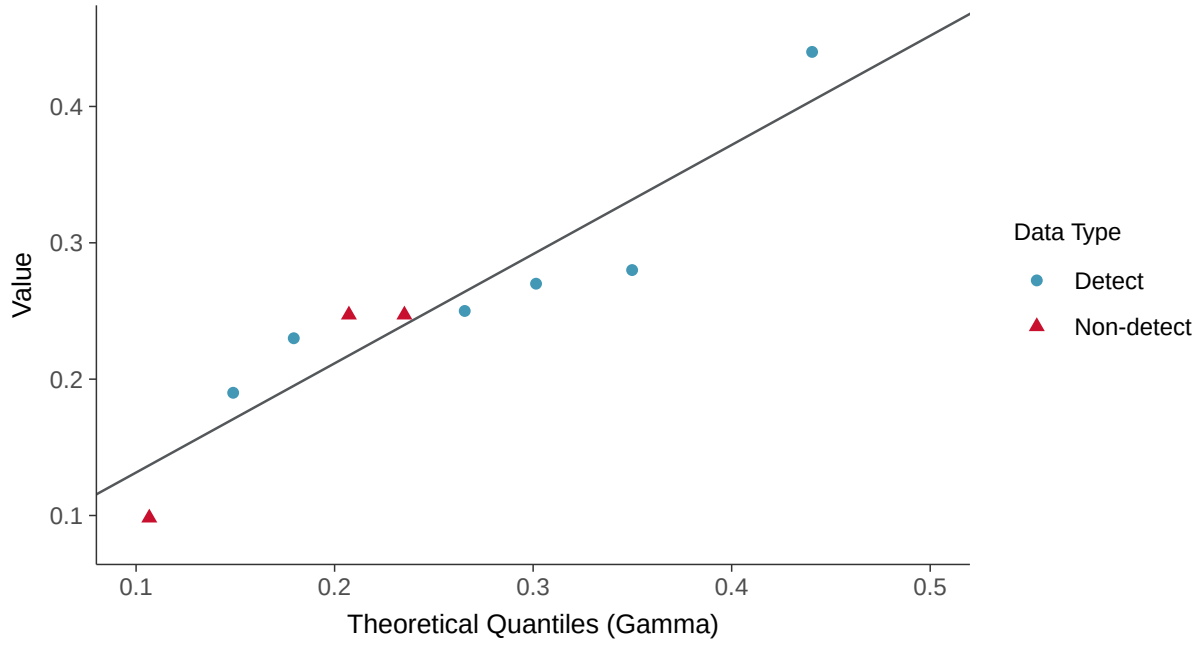
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-17A (mg/l)



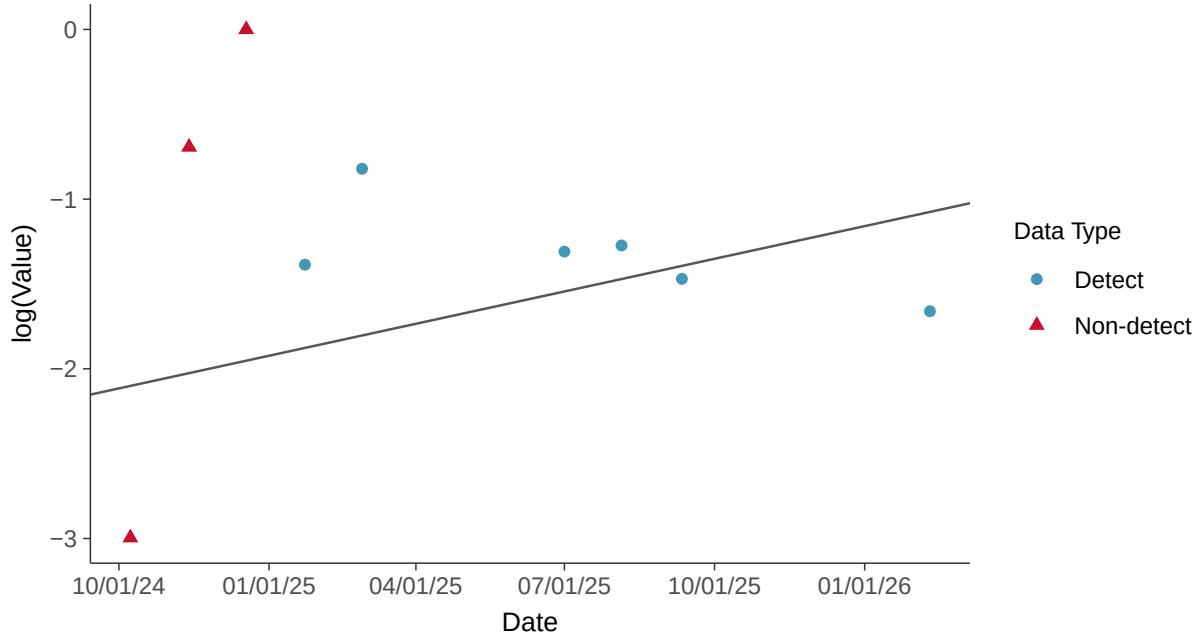
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-17A (mg/l)



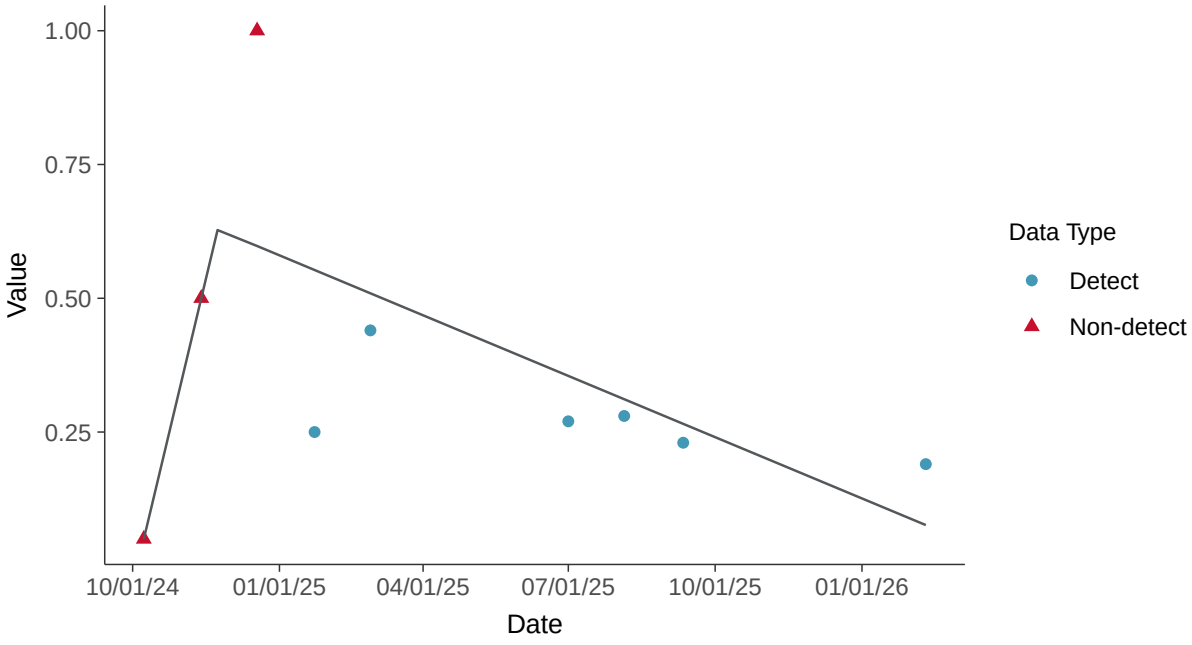
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-17A (mg/l)



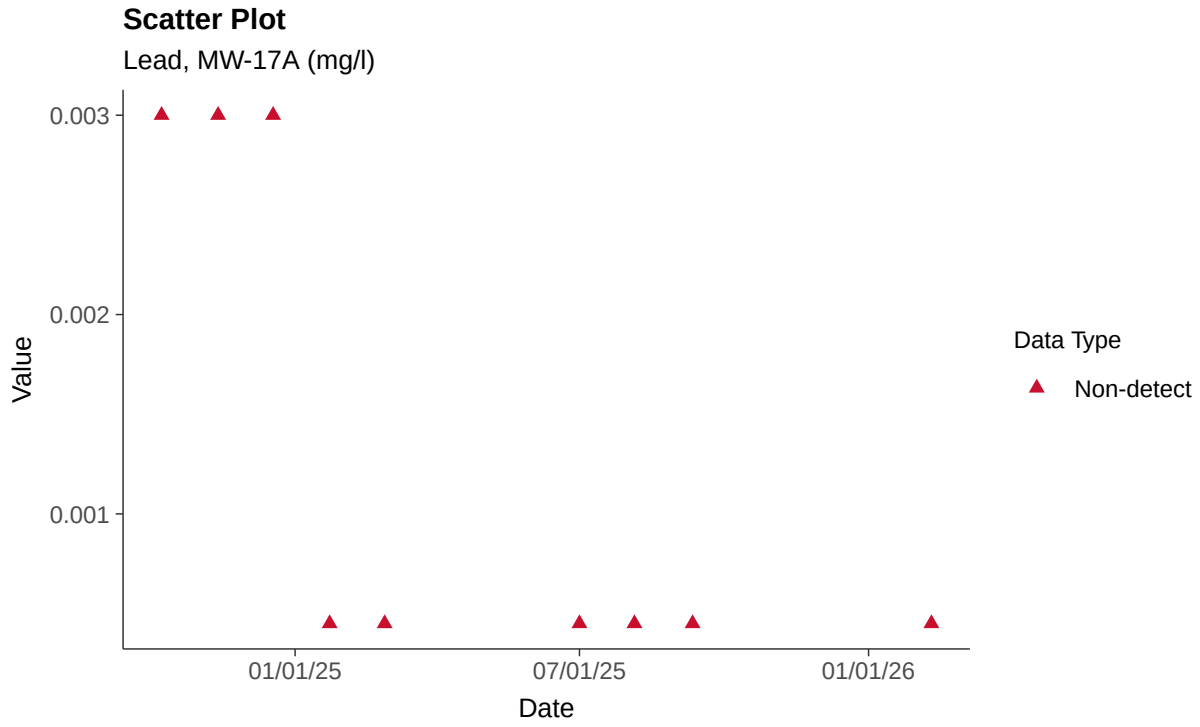
Trend Regression: Piecewise Linear-Linear

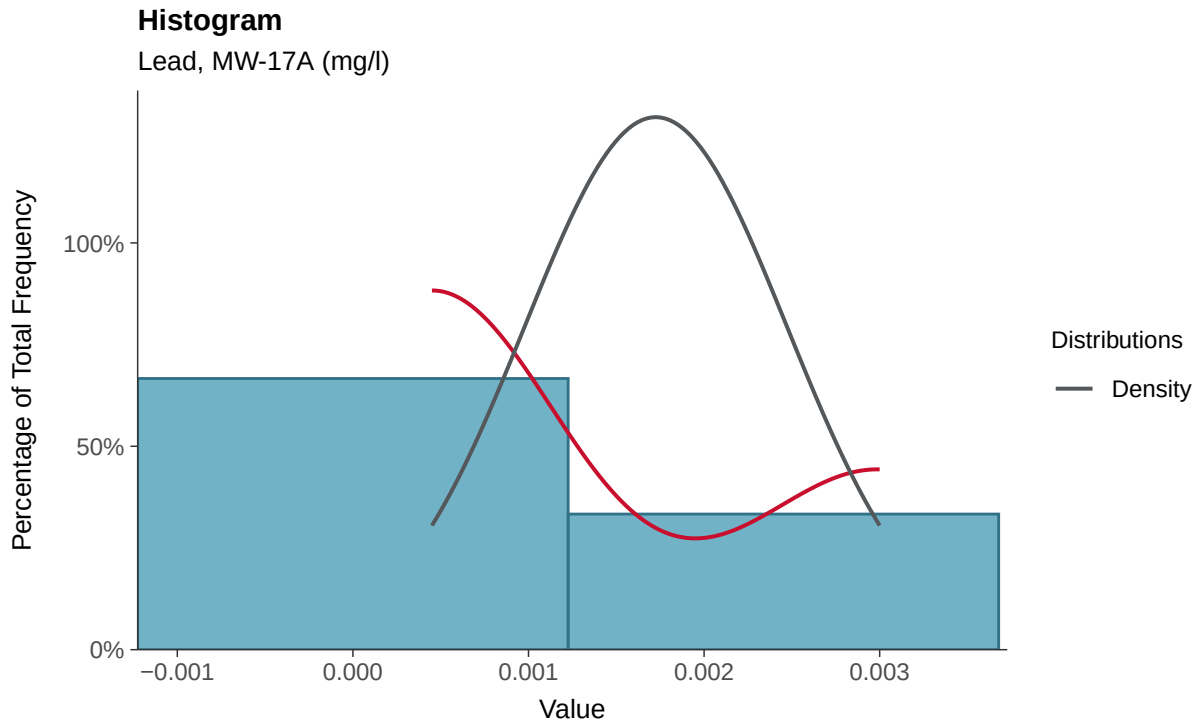
Fluoride (App IV), MW-17A (mg/l)



Appendix IV: Lead, MW-17A

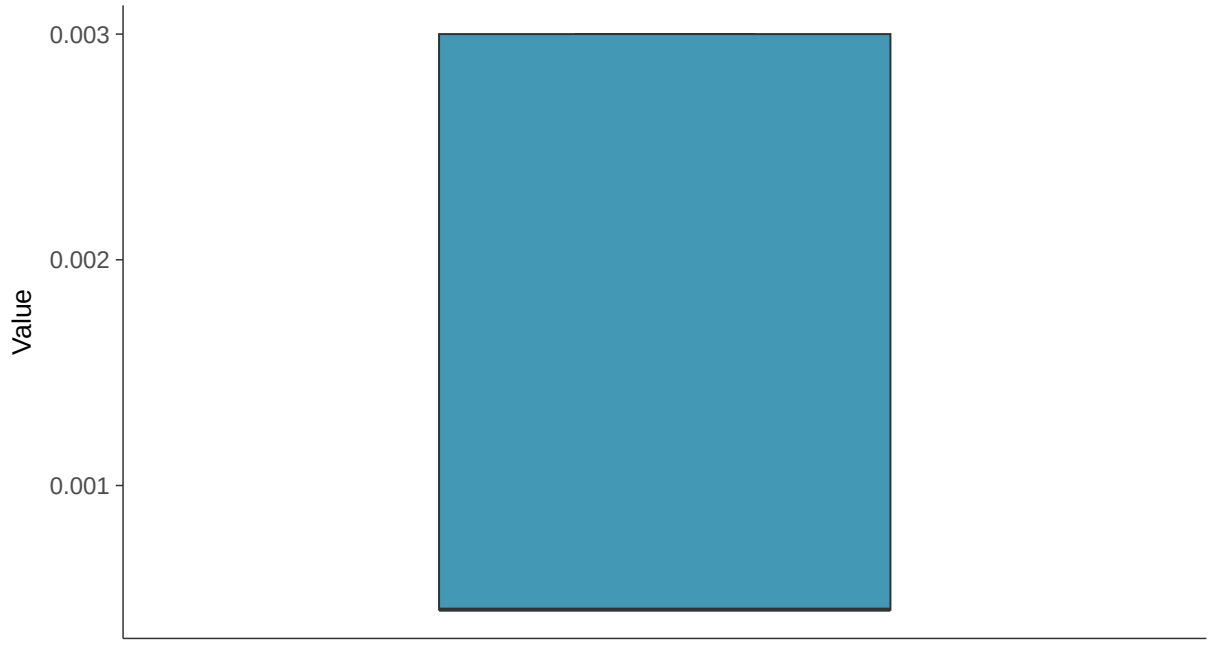
ID: 25_3_115





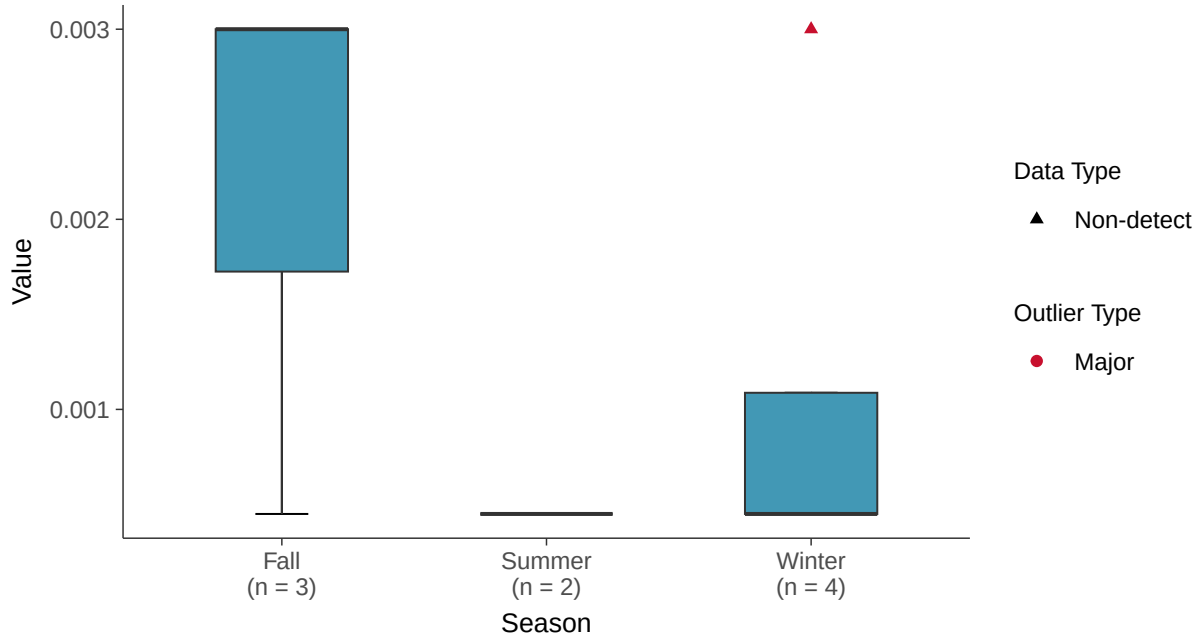
Boxplot

Lead, MW-17A (mg/l)



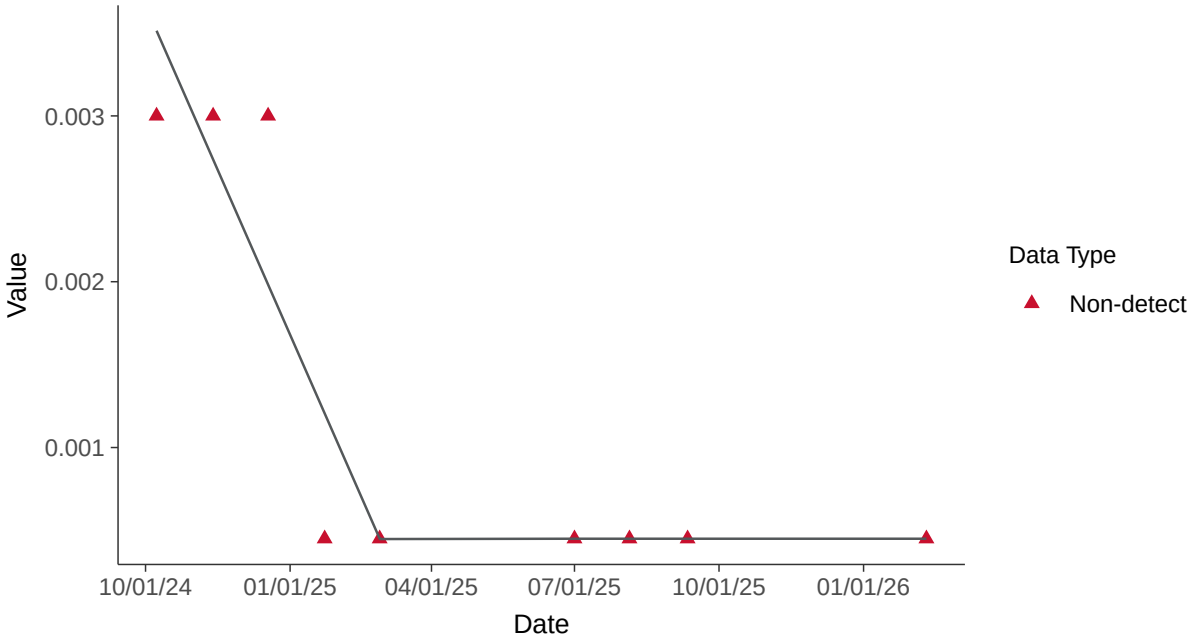
Boxplot by Season

Lead, MW-17A (mg/l)



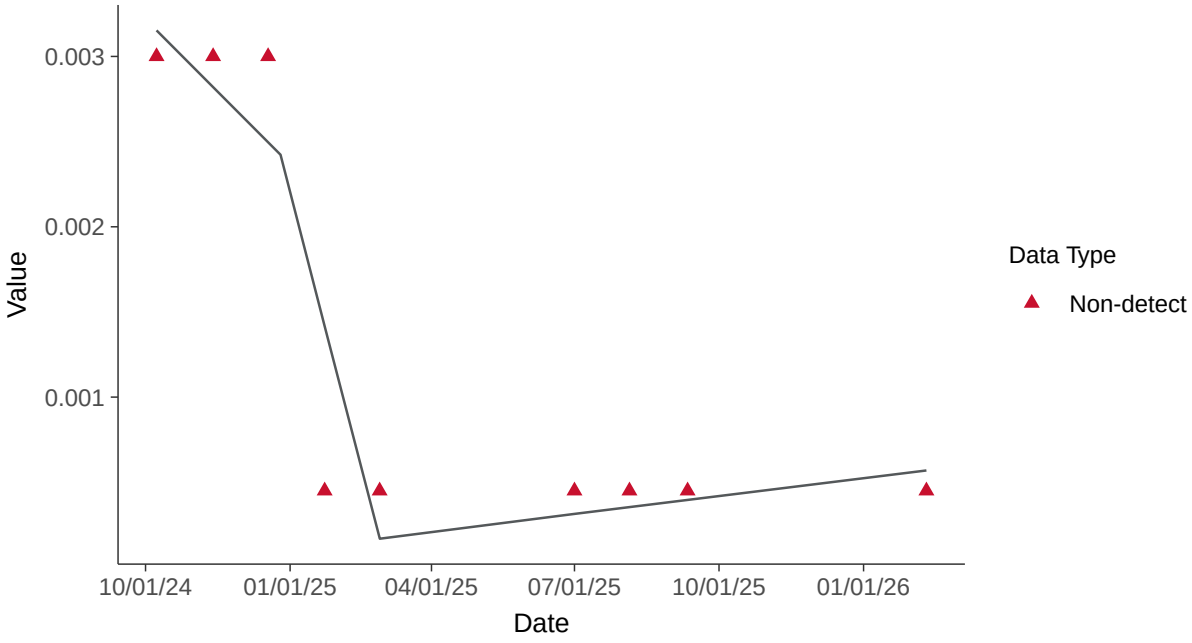
Trend Regression: Piecewise Linear-Linear

Lead, MW-17A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Lead, MW-17A (mg/l)

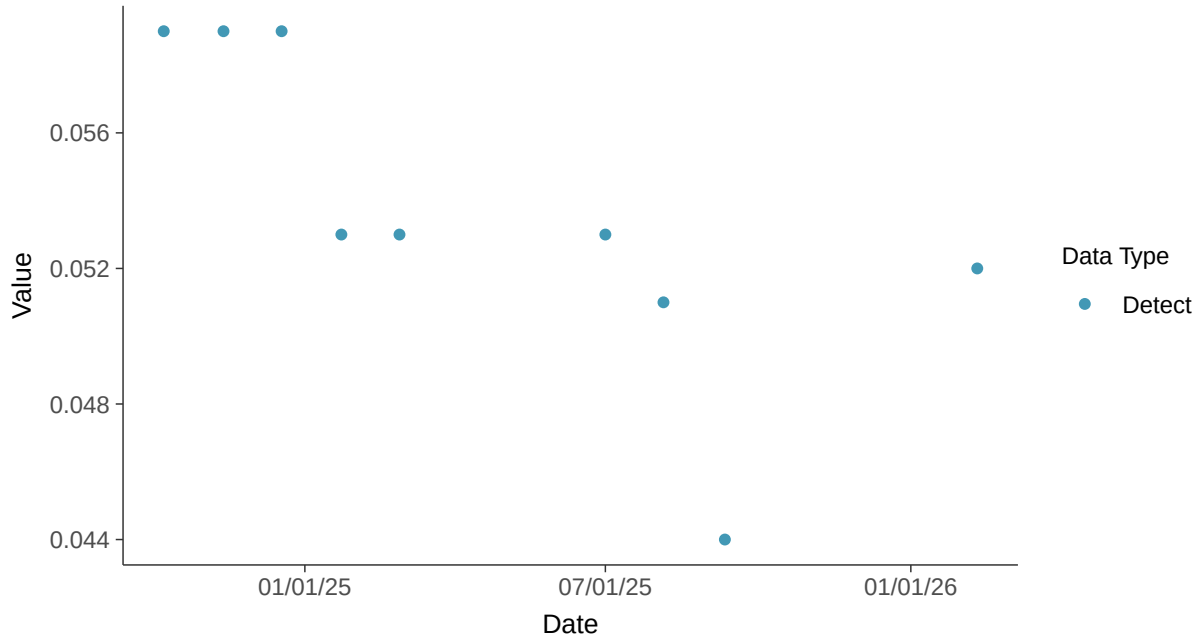


Appendix IV: Lithium, MW-17A

ID: 25_3_116

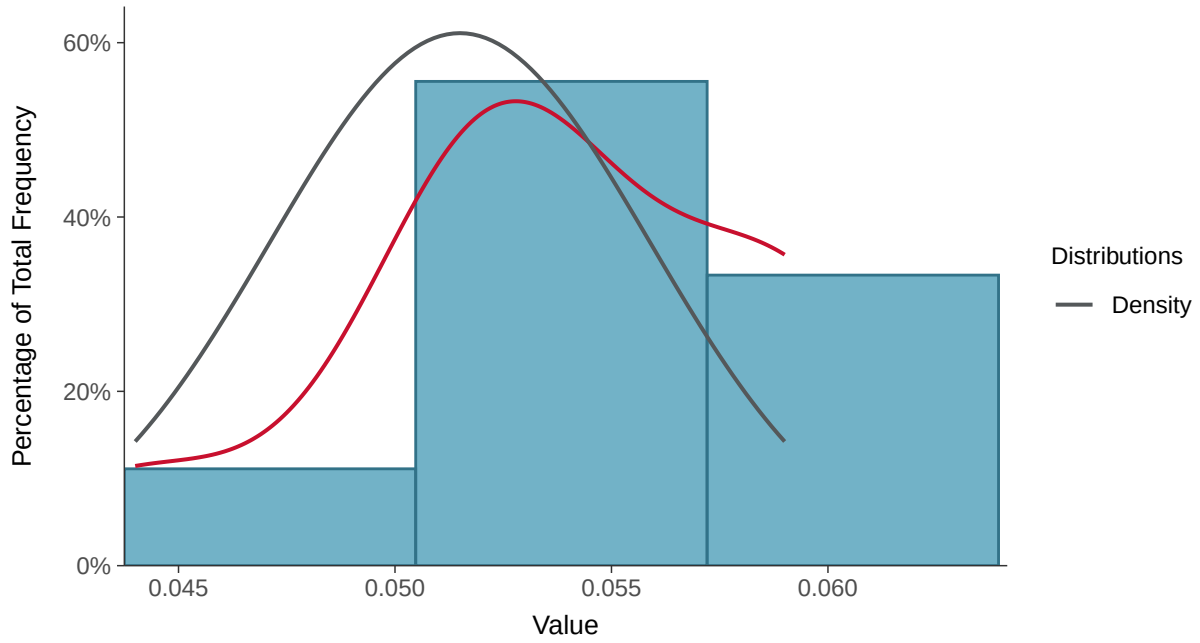
Scatter Plot

Lithium, MW-17A (mg/l)



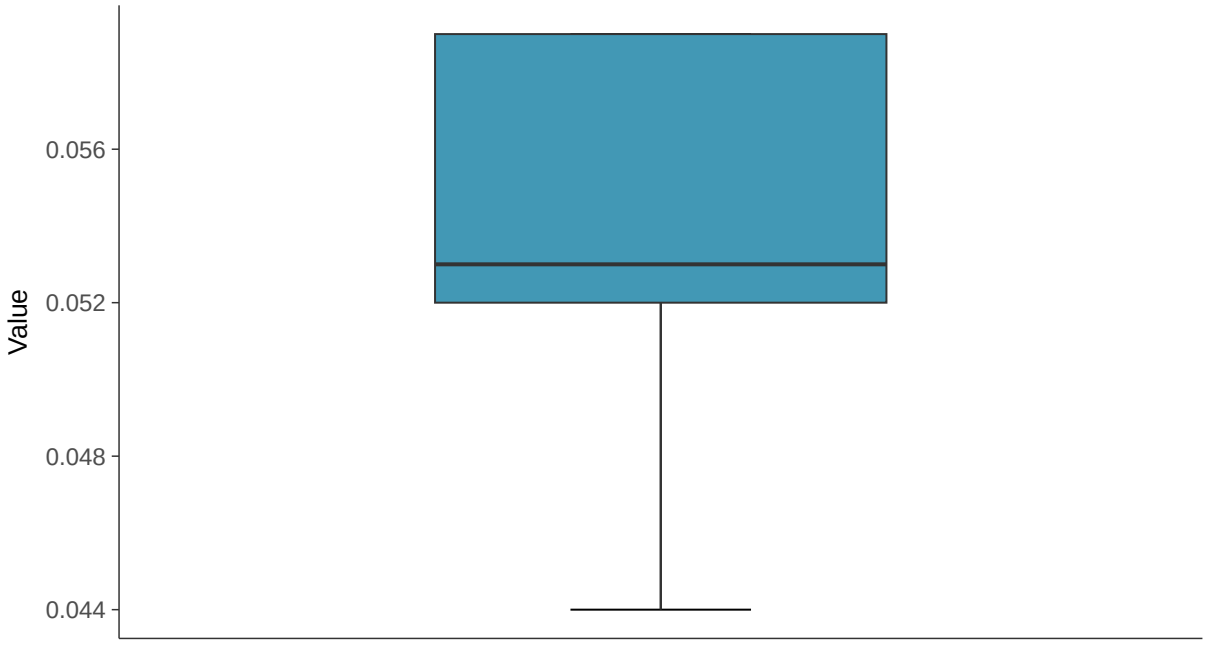
Histogram

Lithium, MW-17A (mg/l)



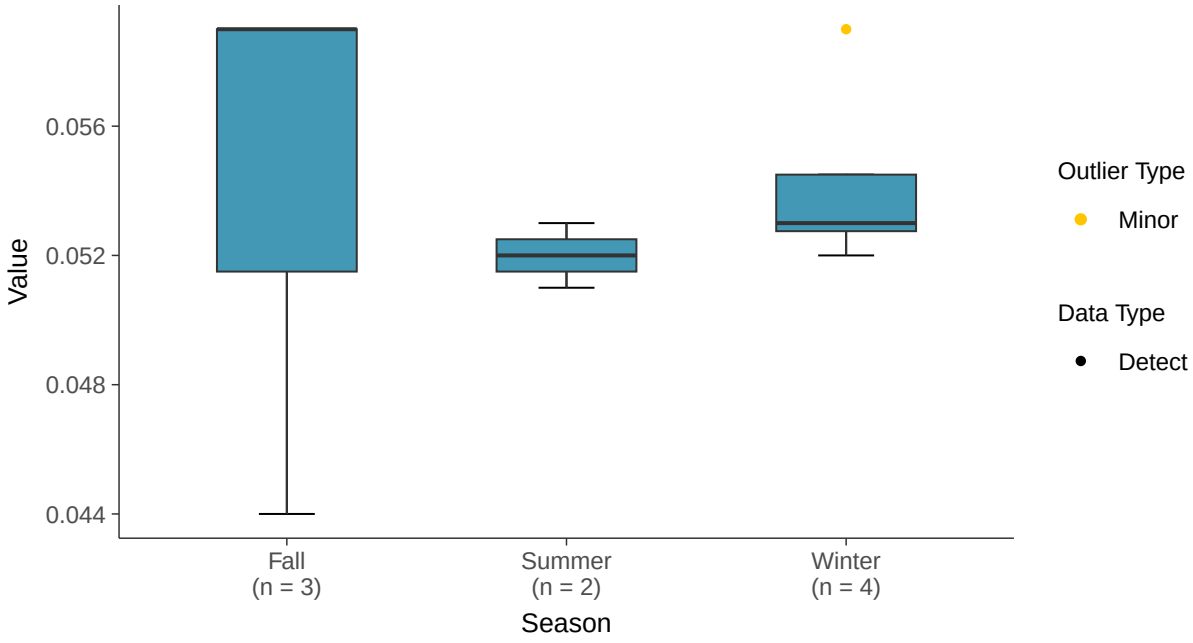
Boxplot

Lithium, MW-17A (mg/l)



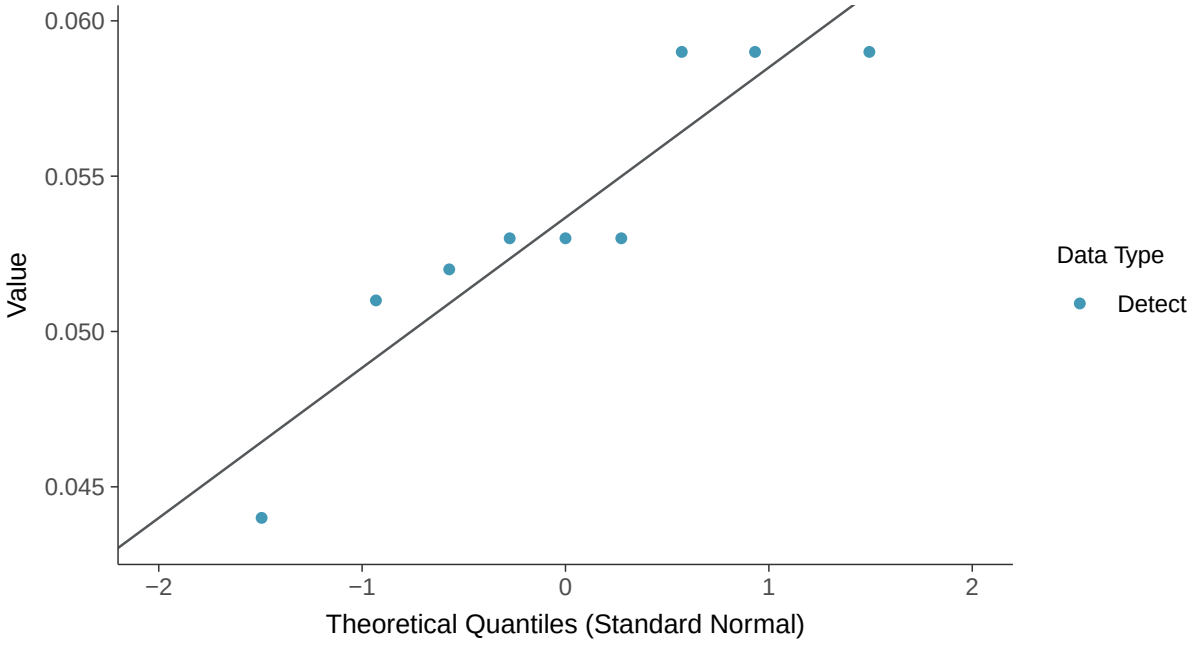
Boxplot by Season

Lithium, MW-17A (mg/l)



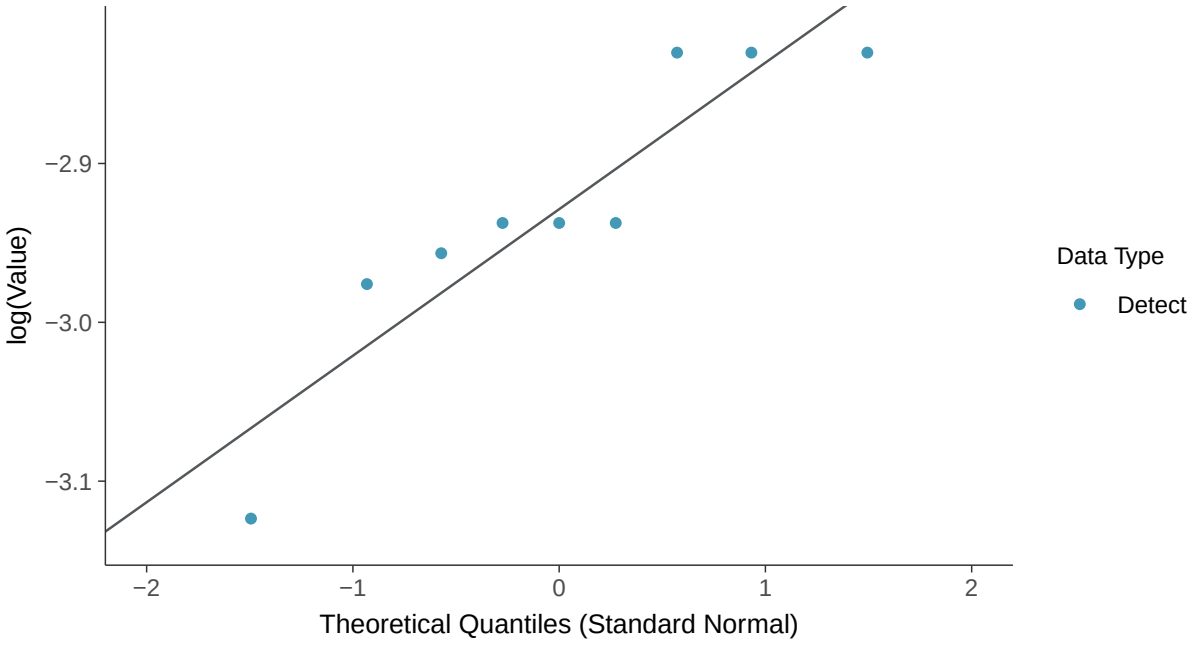
Normal Q-Q plot

Lithium, MW-17A (mg/l)



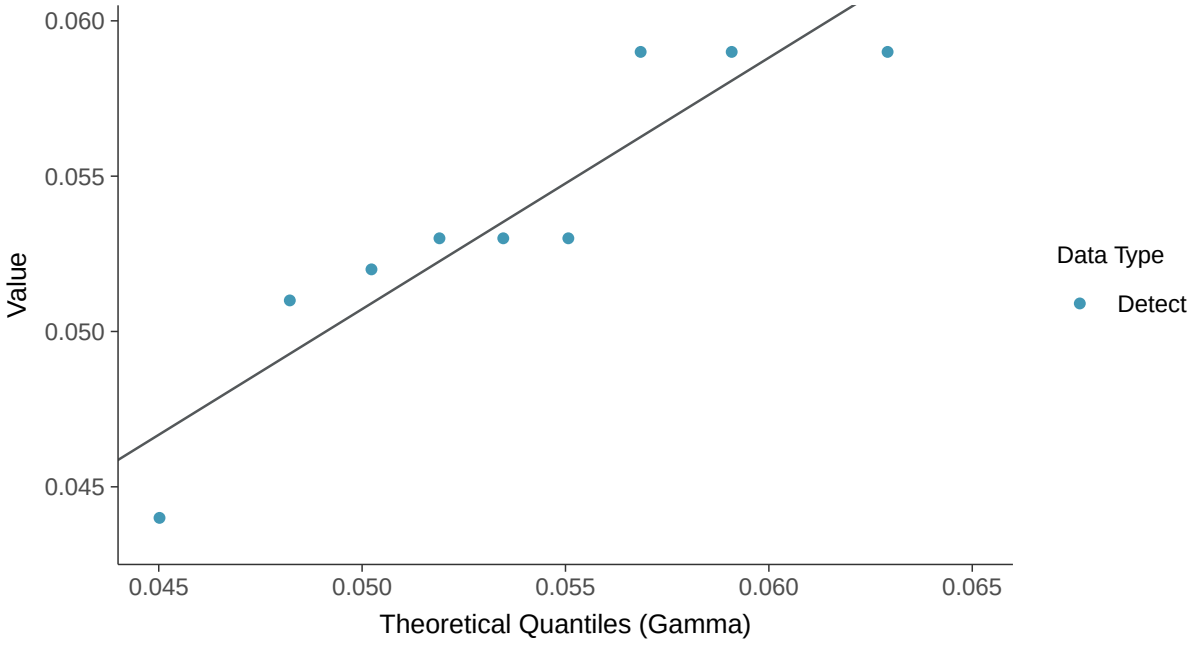
Lognormal Q-Q plot

Lithium, MW-17A (mg/l)



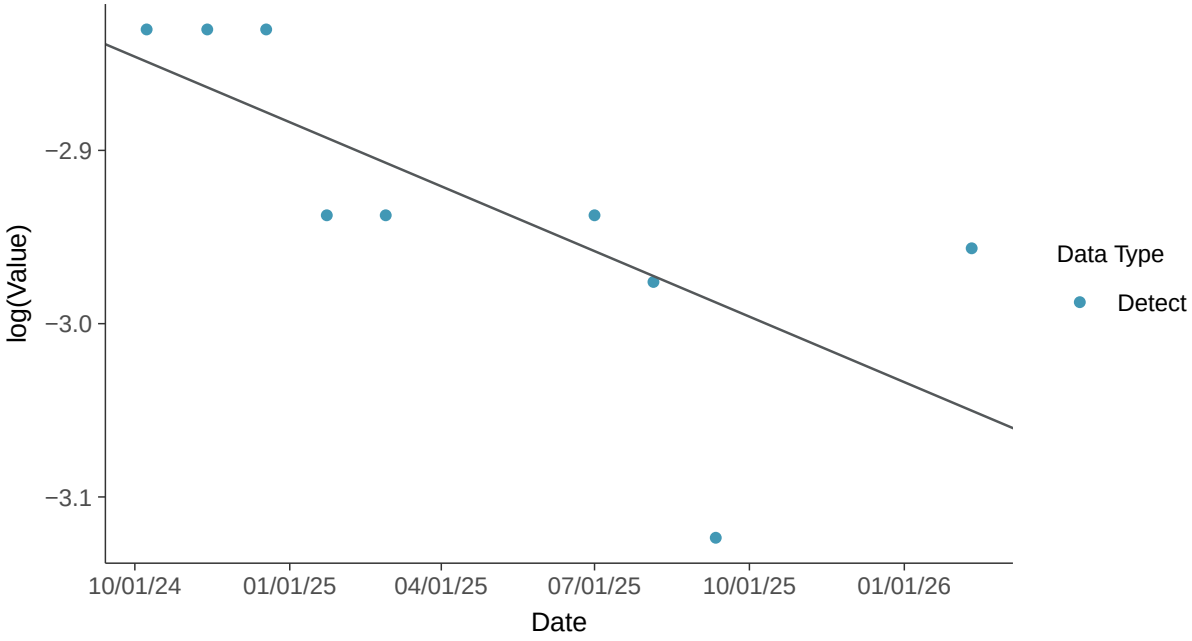
Gamma Q-Q plot

Lithium, MW-17A (mg/l)



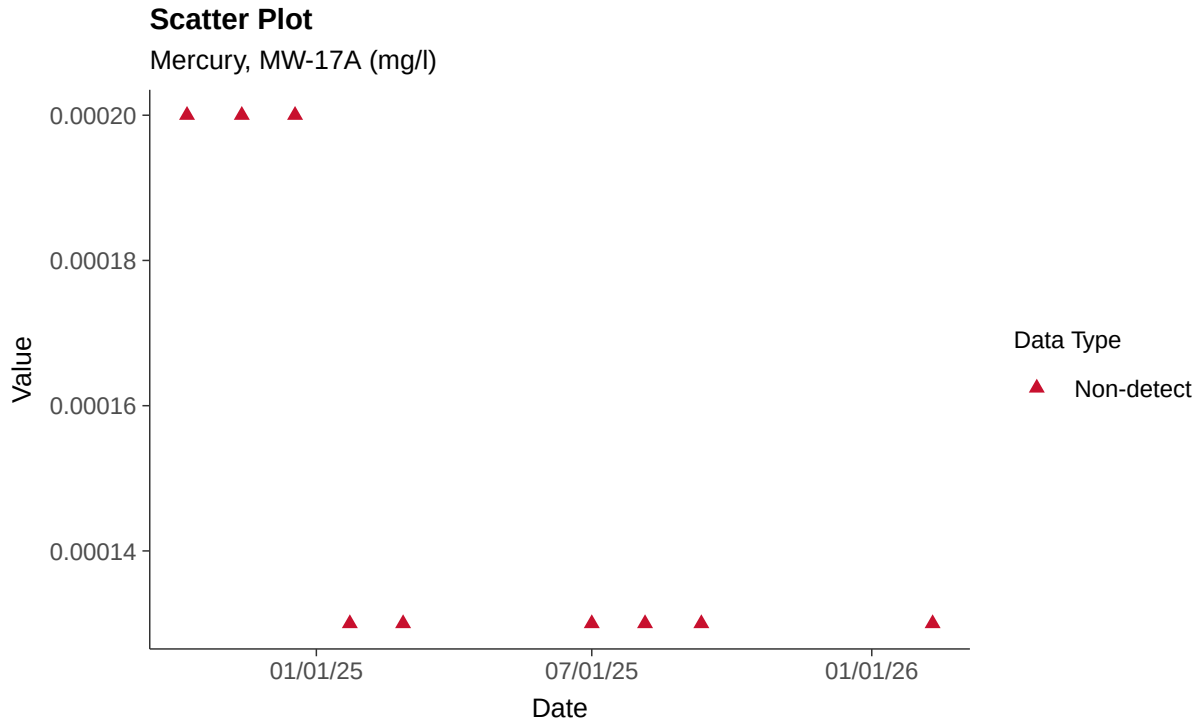
Trend Regression: Lognormal MLE

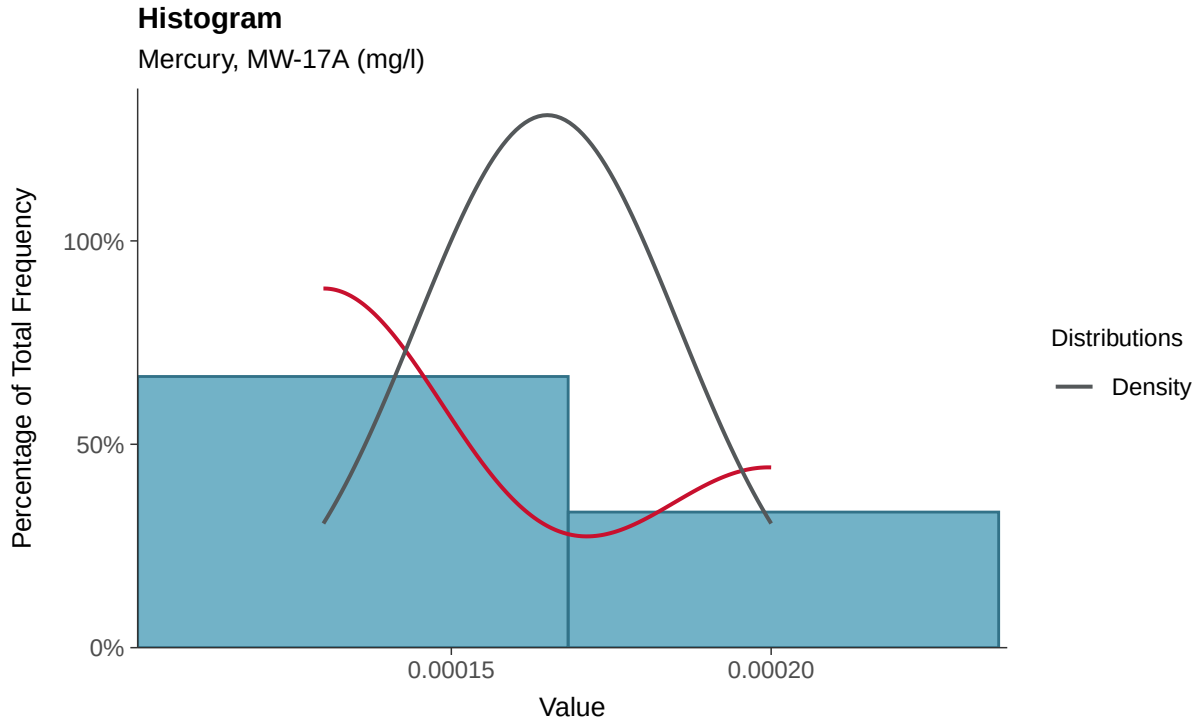
Lithium, MW-17A (mg/l)



Appendix IV: Mercury, MW-17A

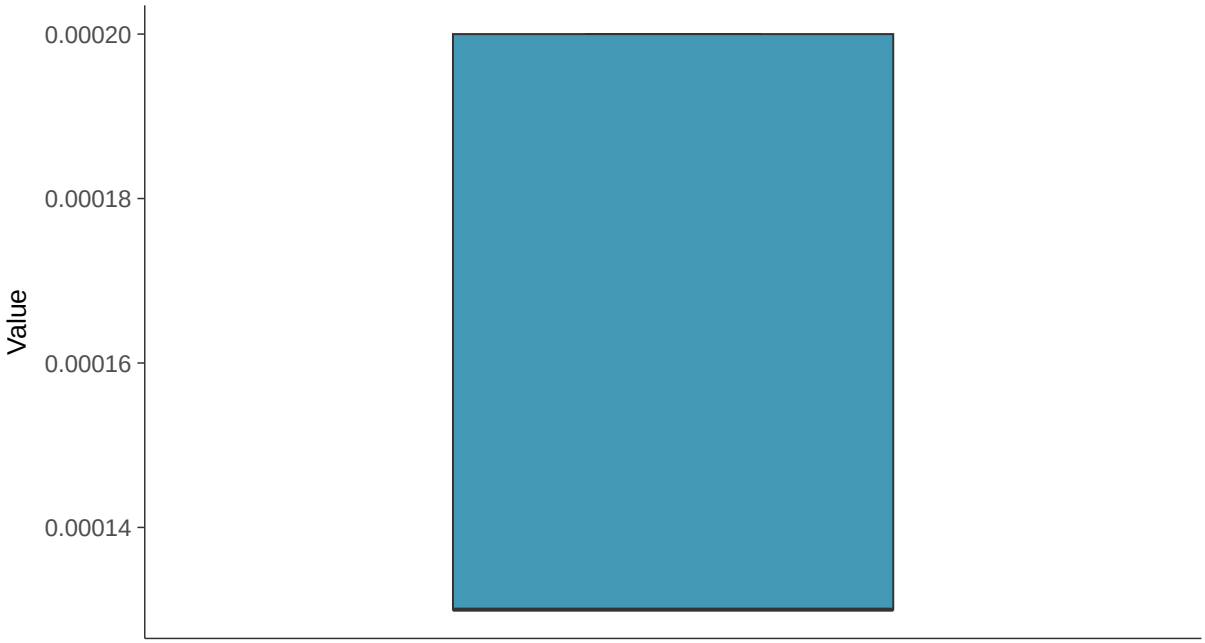
ID: 25_3_117





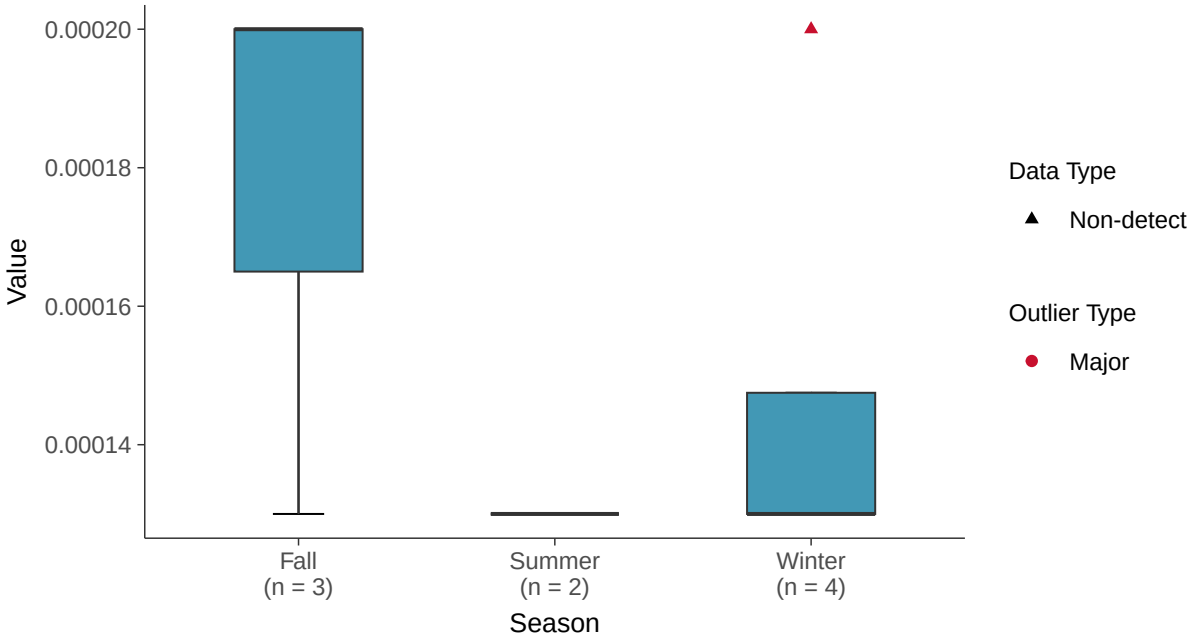
Boxplot

Mercury, MW-17A (mg/l)



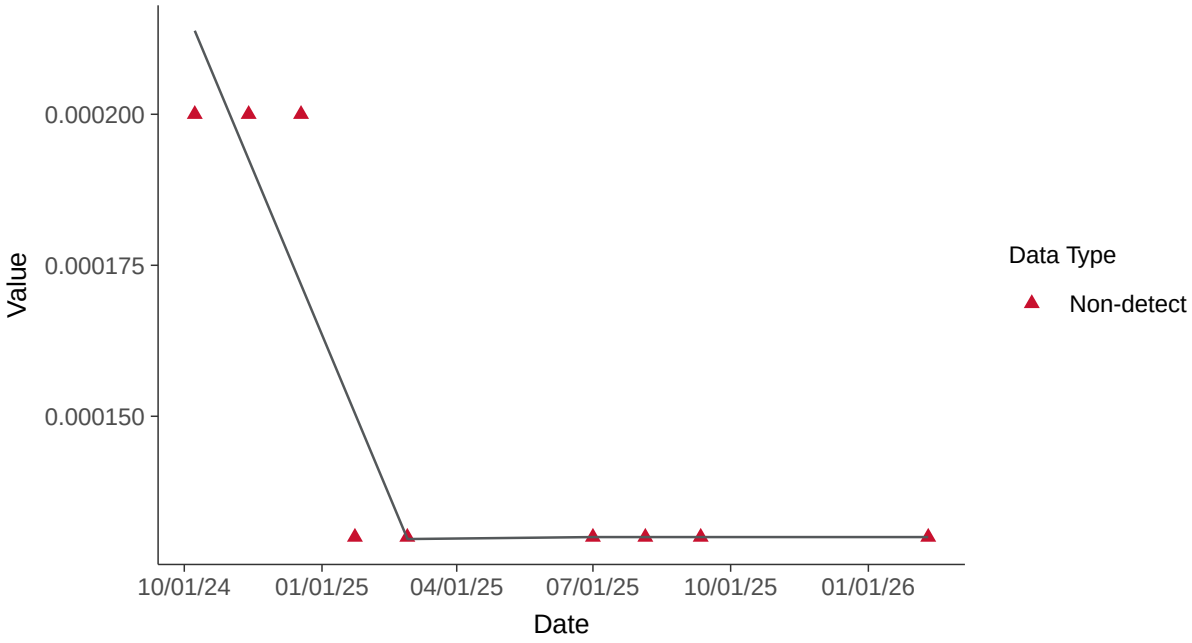
Boxplot by Season

Mercury, MW-17A (mg/l)



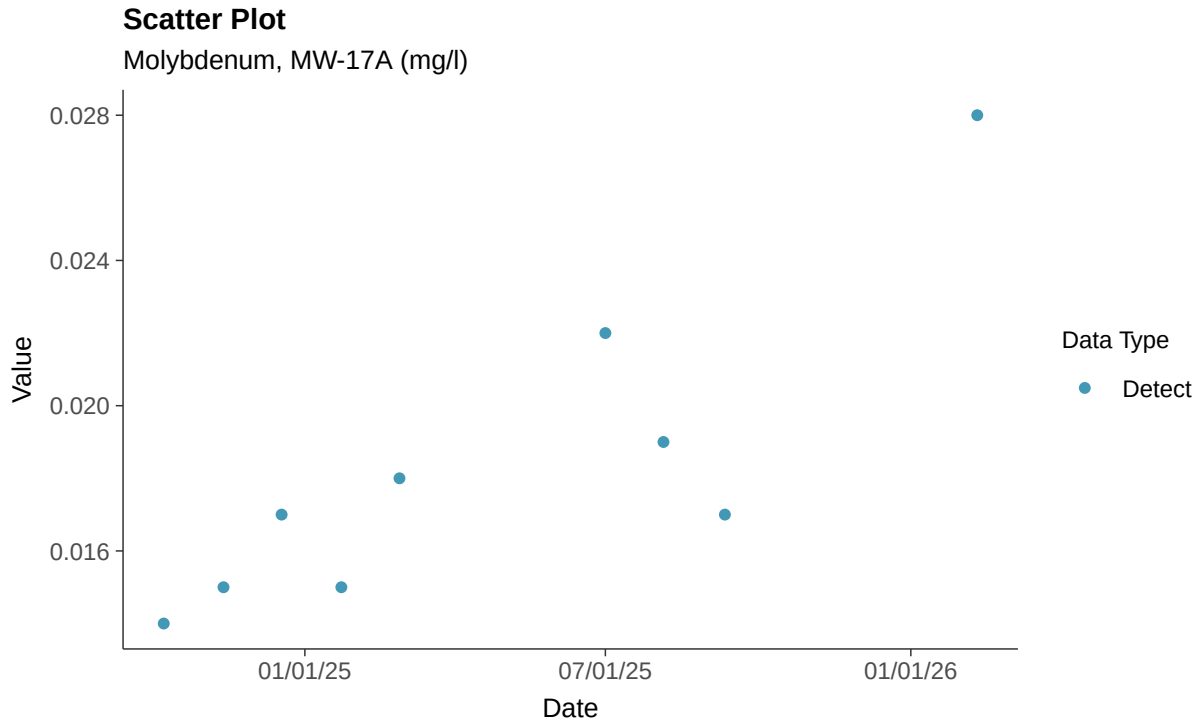
Trend Regression: Piecewise Linear-Linear

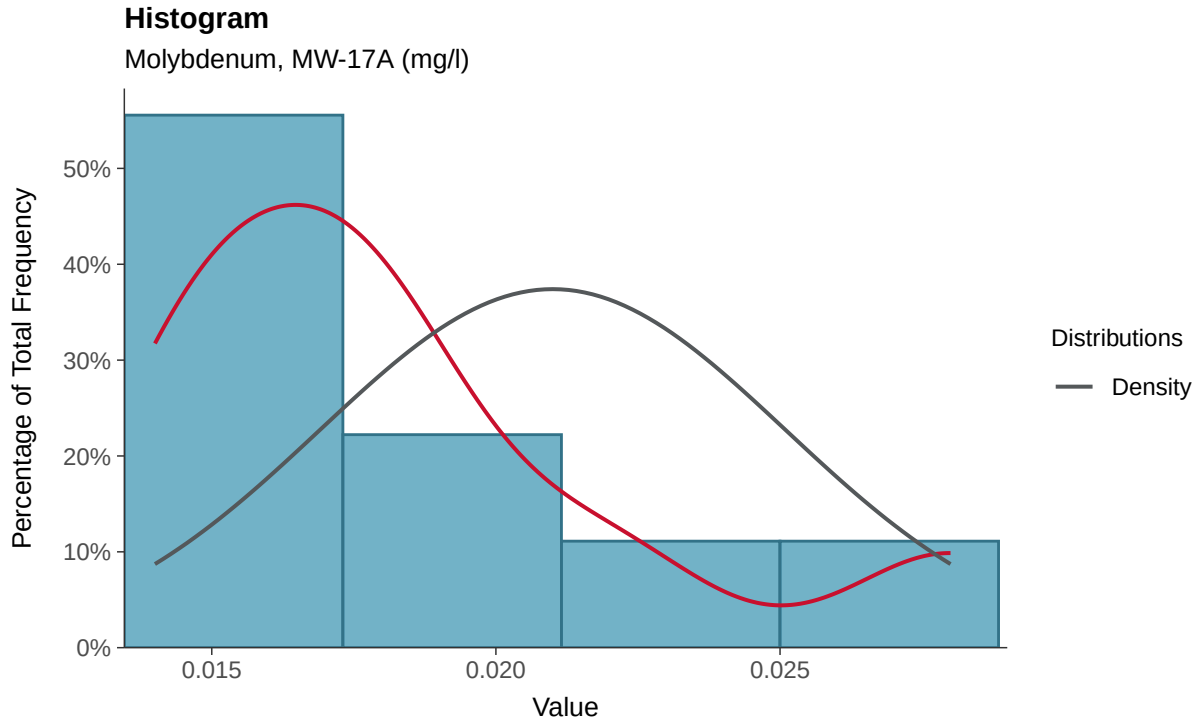
Mercury, MW-17A (mg/l)



Appendix IV: Molybdenum, MW-17A

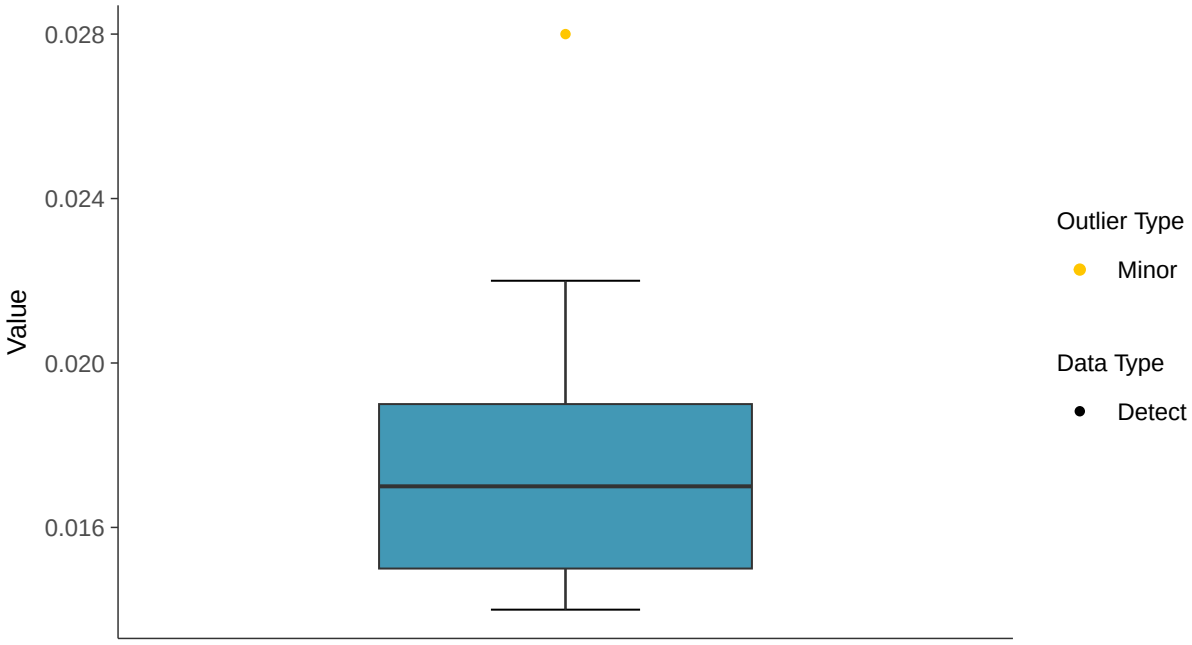
ID: 25_3_118





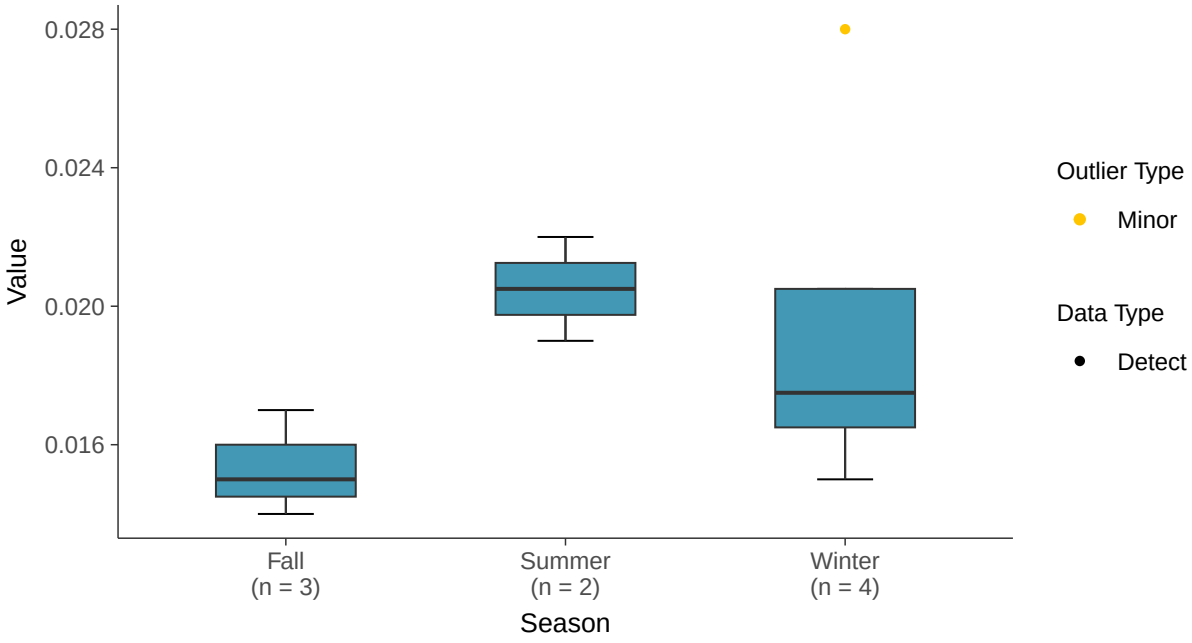
Boxplot

Molybdenum, MW-17A (mg/l)



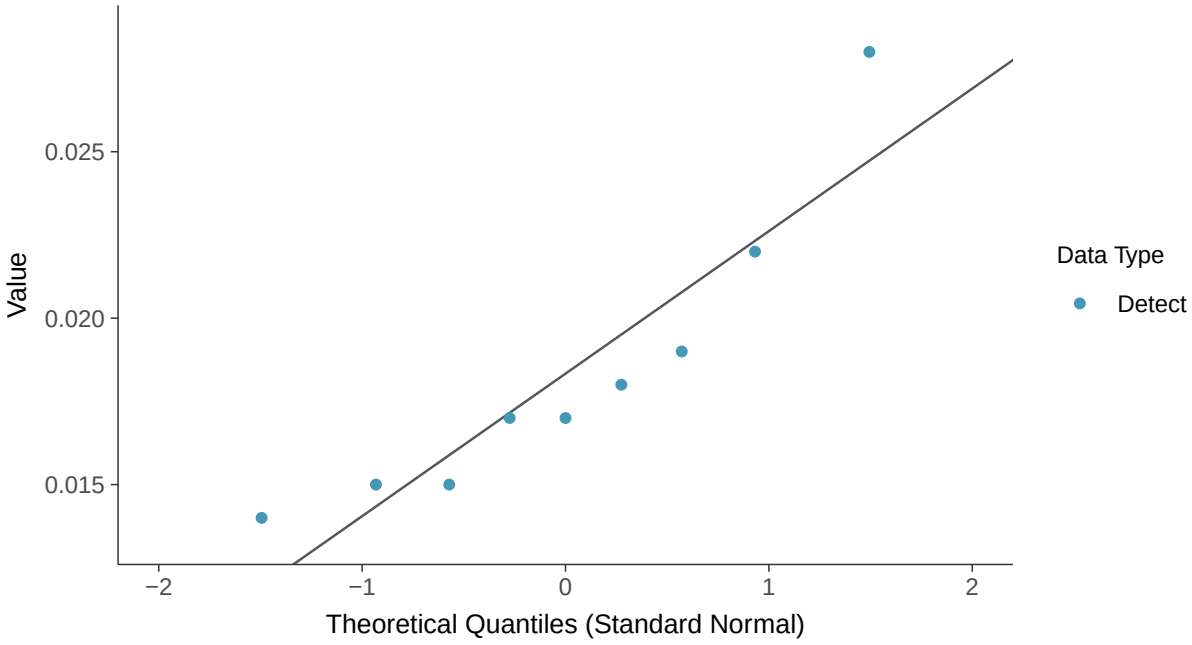
Boxplot by Season

Molybdenum, MW-17A (mg/l)



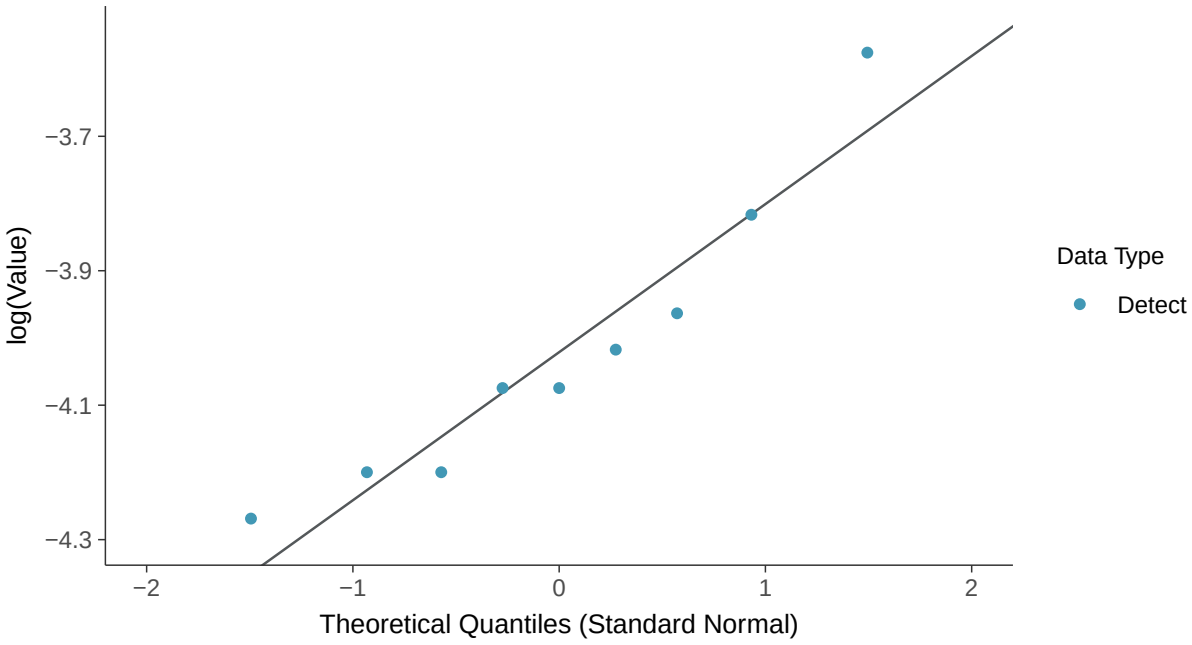
Normal Q-Q plot

Molybdenum, MW-17A (mg/l)



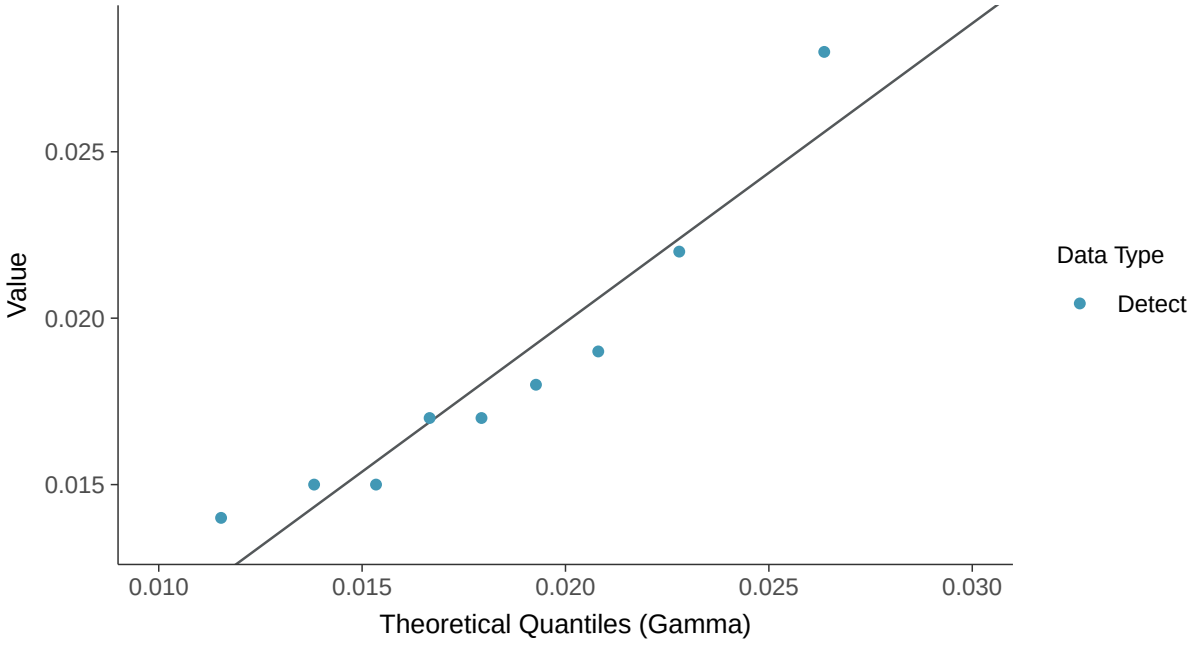
Lognormal Q-Q plot

Molybdenum, MW-17A (mg/l)



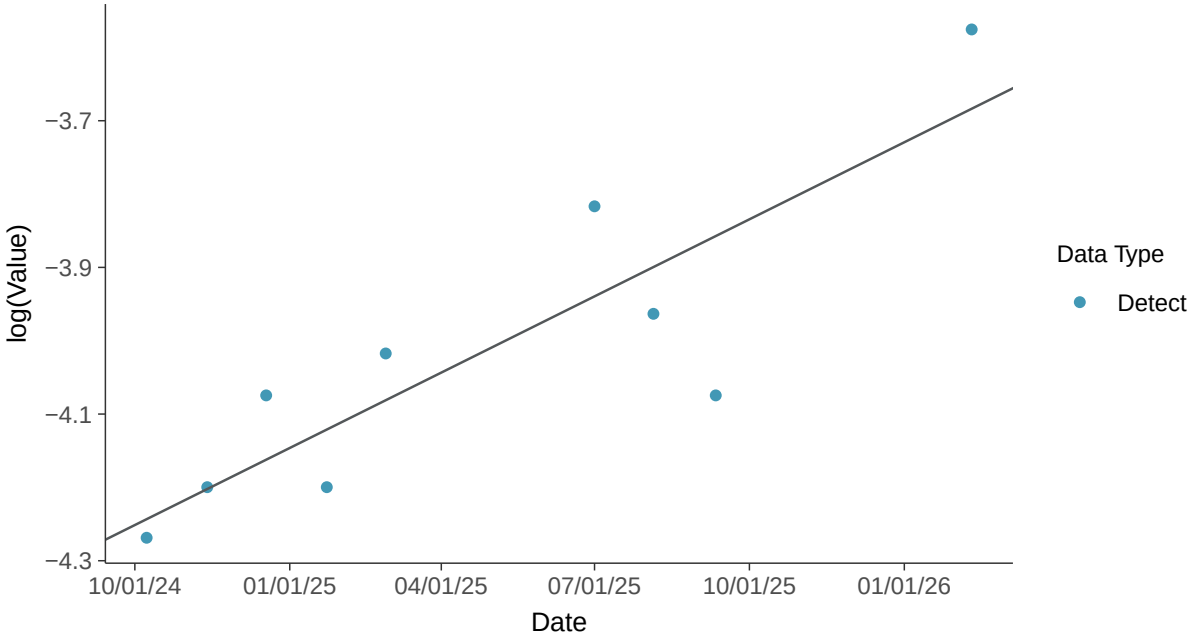
Gamma Q-Q plot

Molybdenum, MW-17A (mg/l)



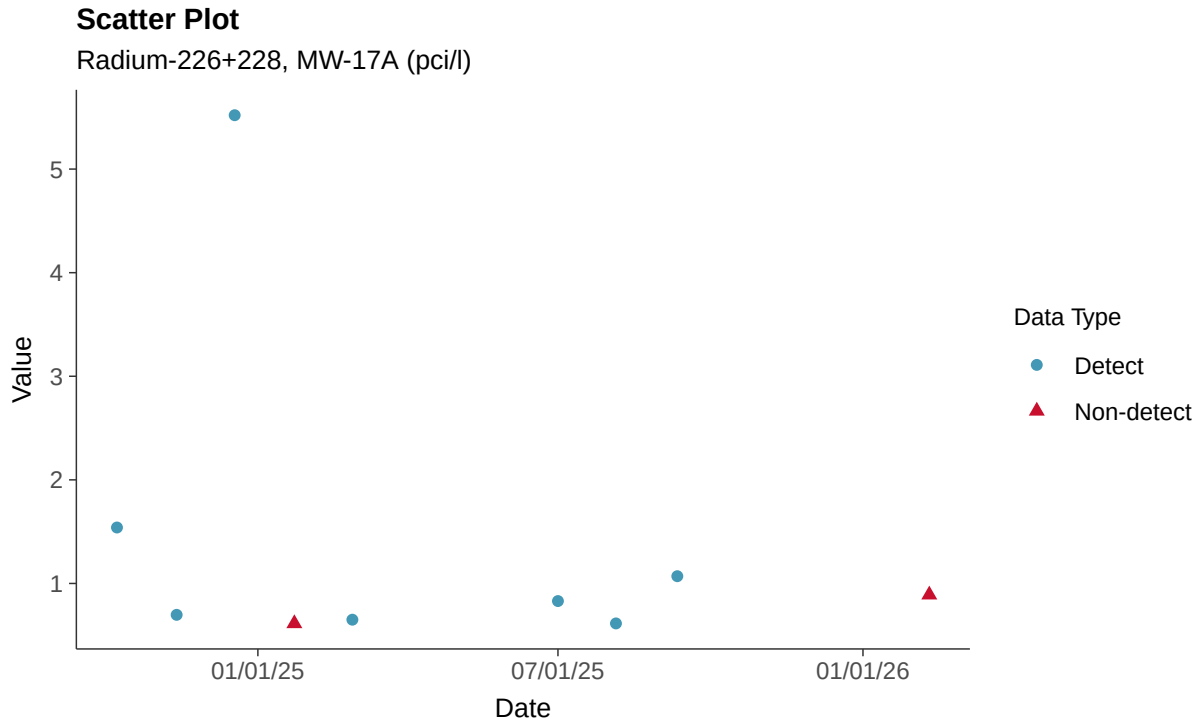
Trend Regression: Lognormal MLE

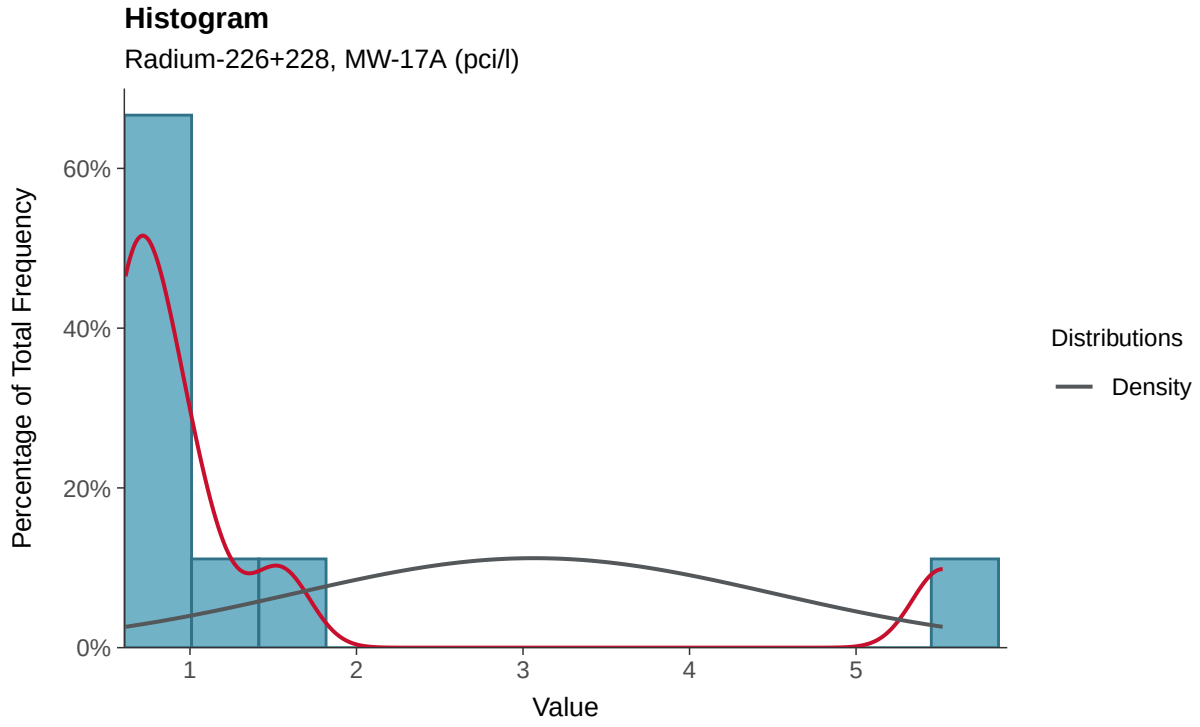
Molybdenum, MW-17A (mg/l)



Appendix IV: Radium-226+228, MW-17A

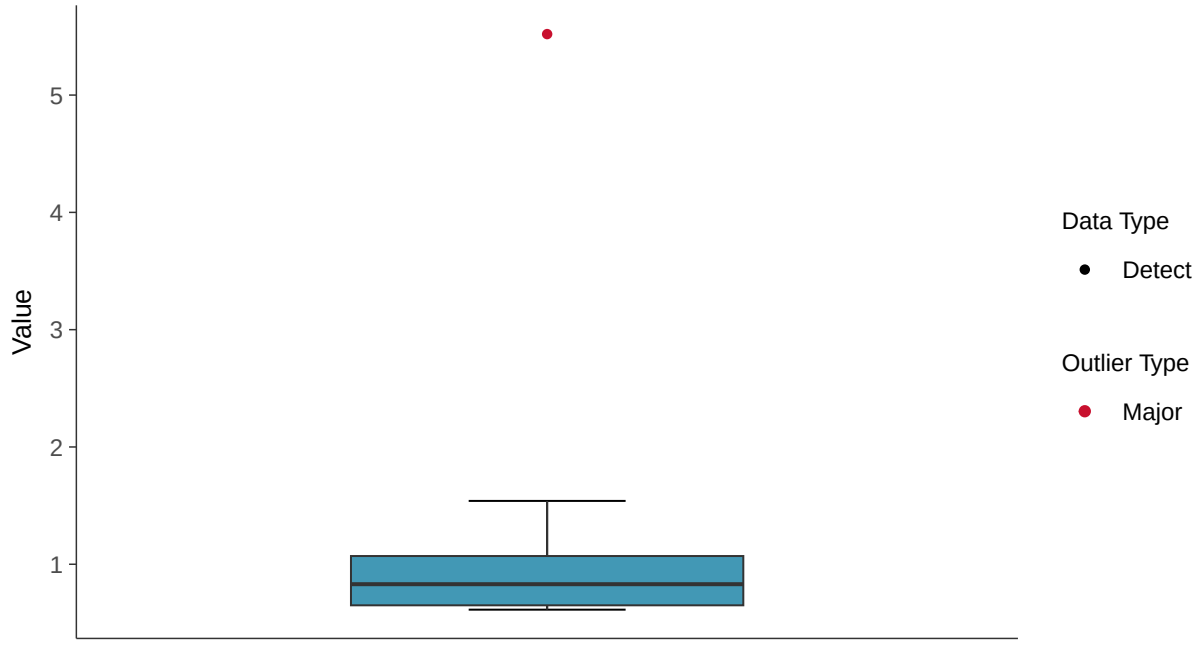
ID: 25_3_121





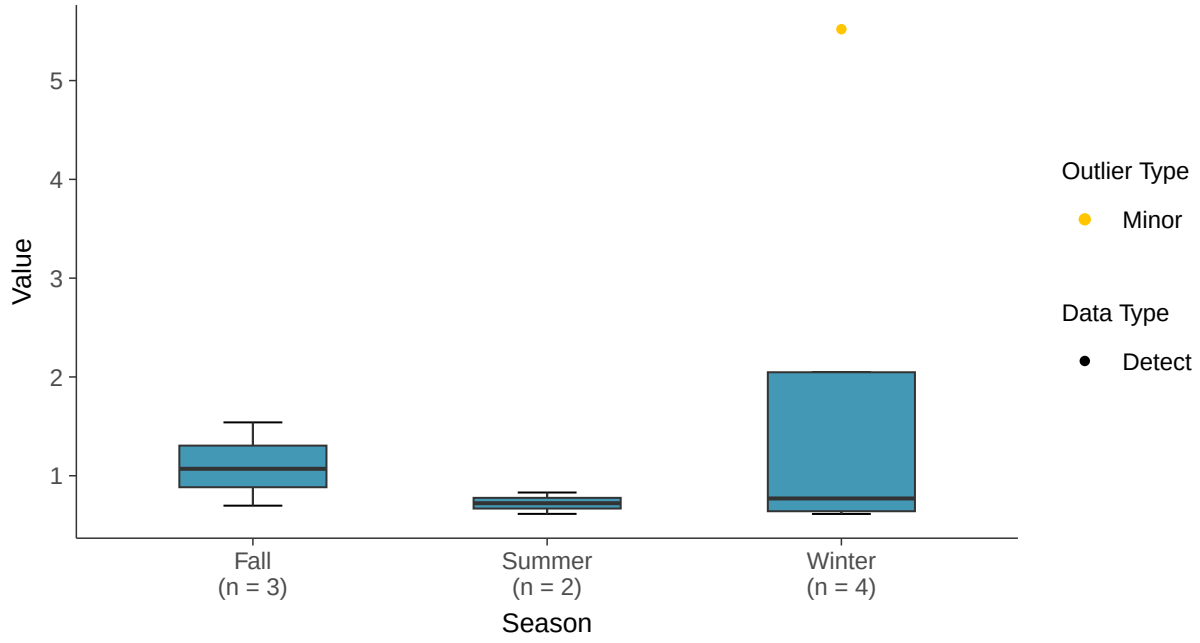
Boxplot

Radium-226+228, MW-17A (pci/l)



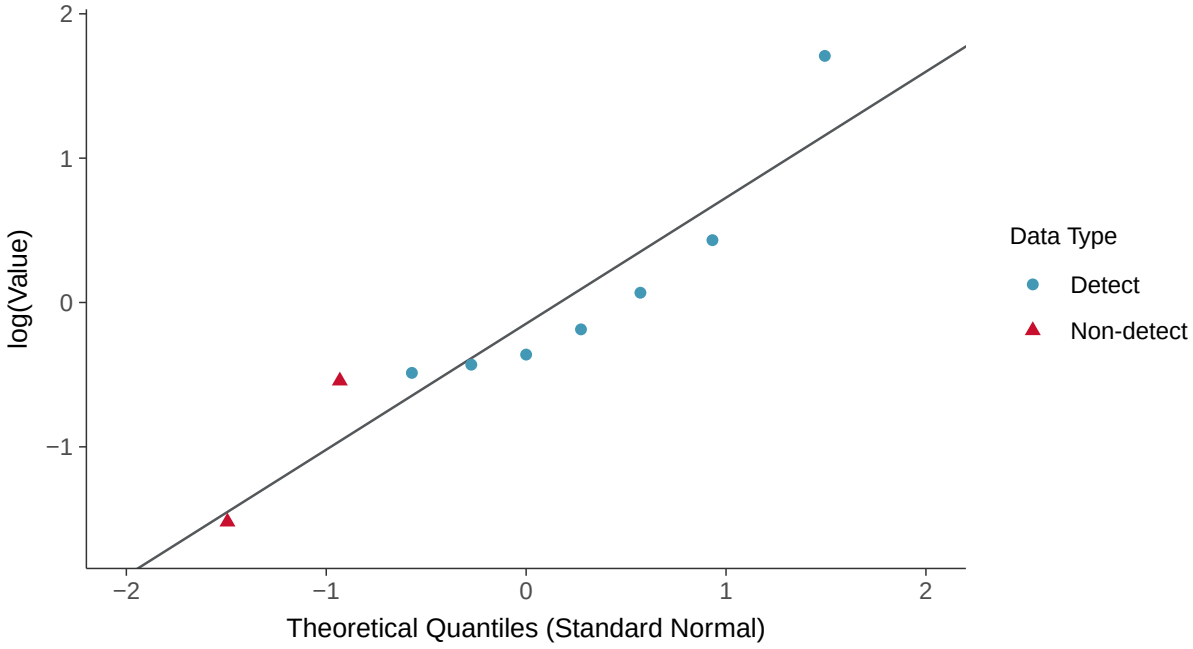
Boxplot by Season

Radium-226+228, MW-17A (pci/l)



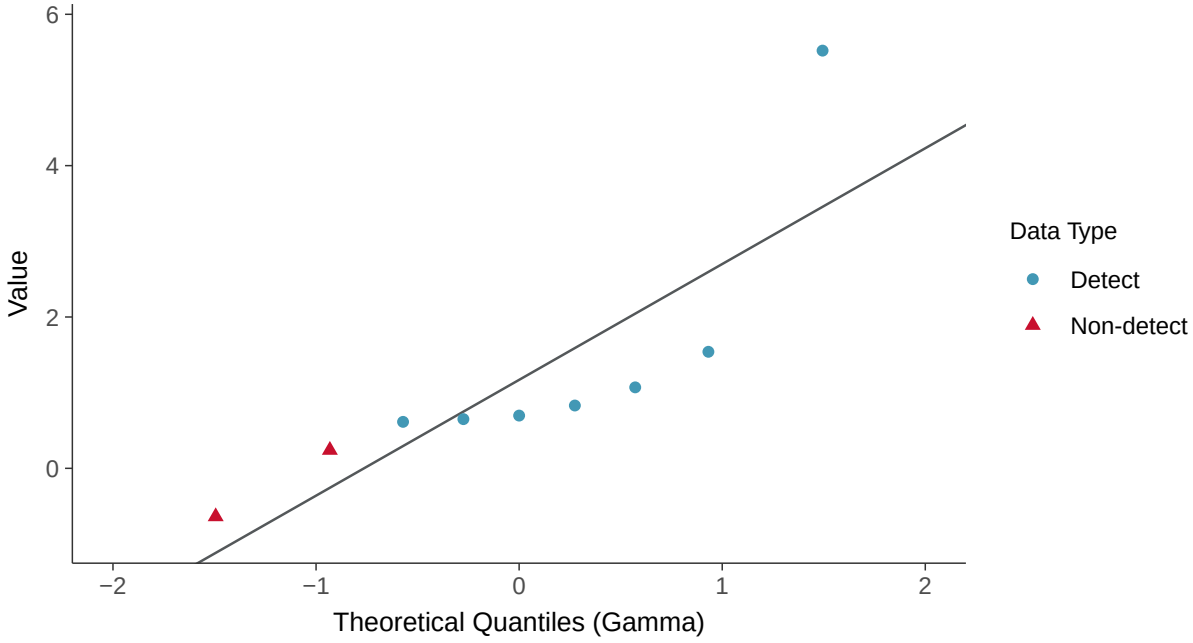
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-17A (pci/l)



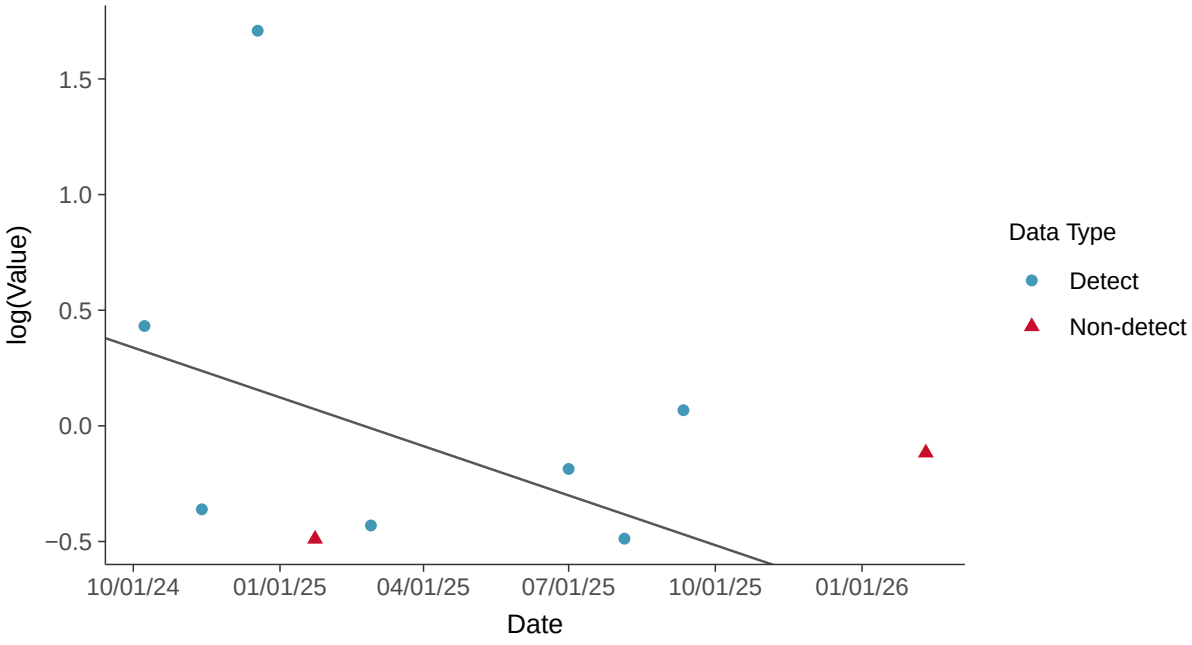
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-17A (pci/l)



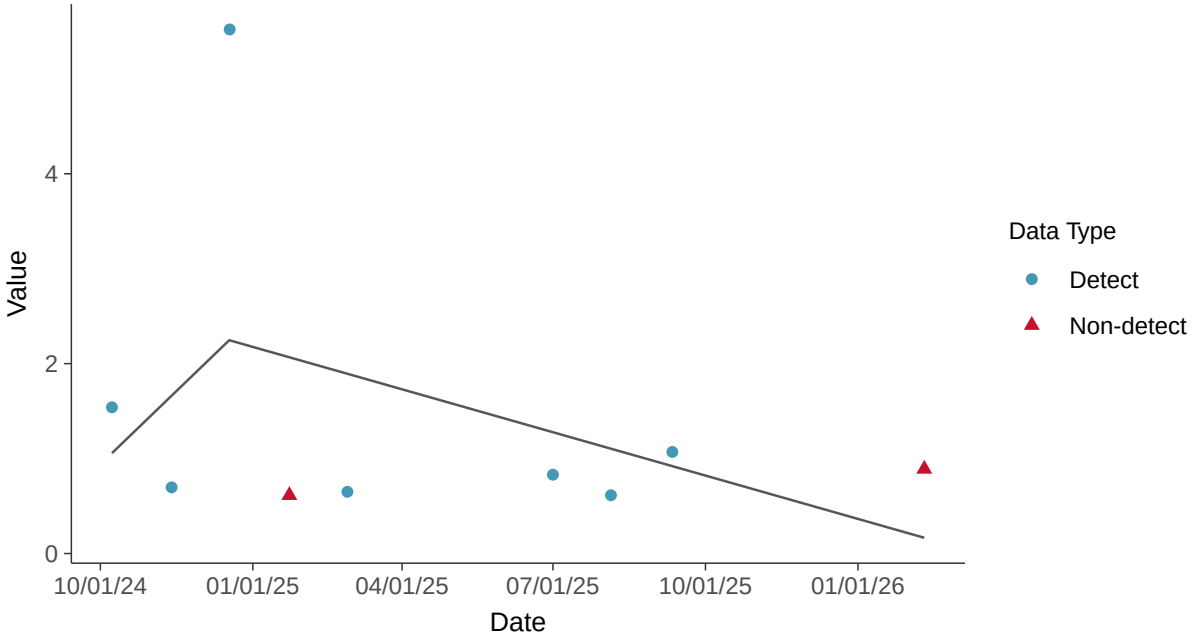
Trend Regression: Lognormal MLE

Radium-226+228, MW-17A (pci/l)



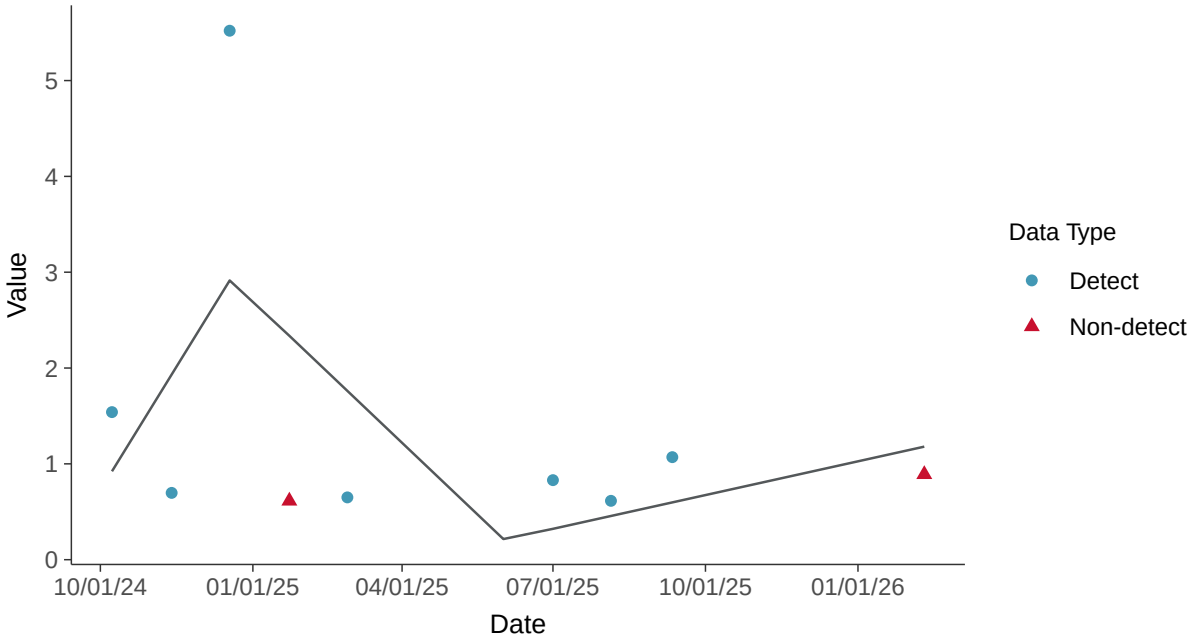
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-17A (pci/l)



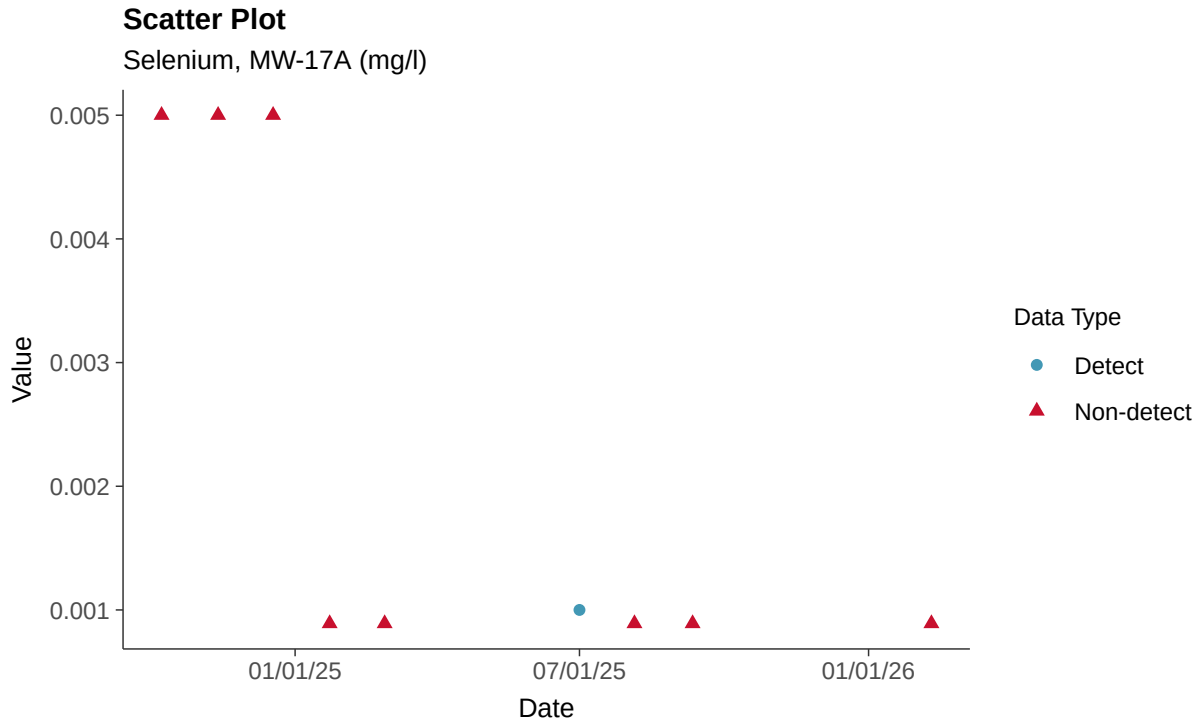
Trend Regression: Piecewise Linear-Linear-Linear

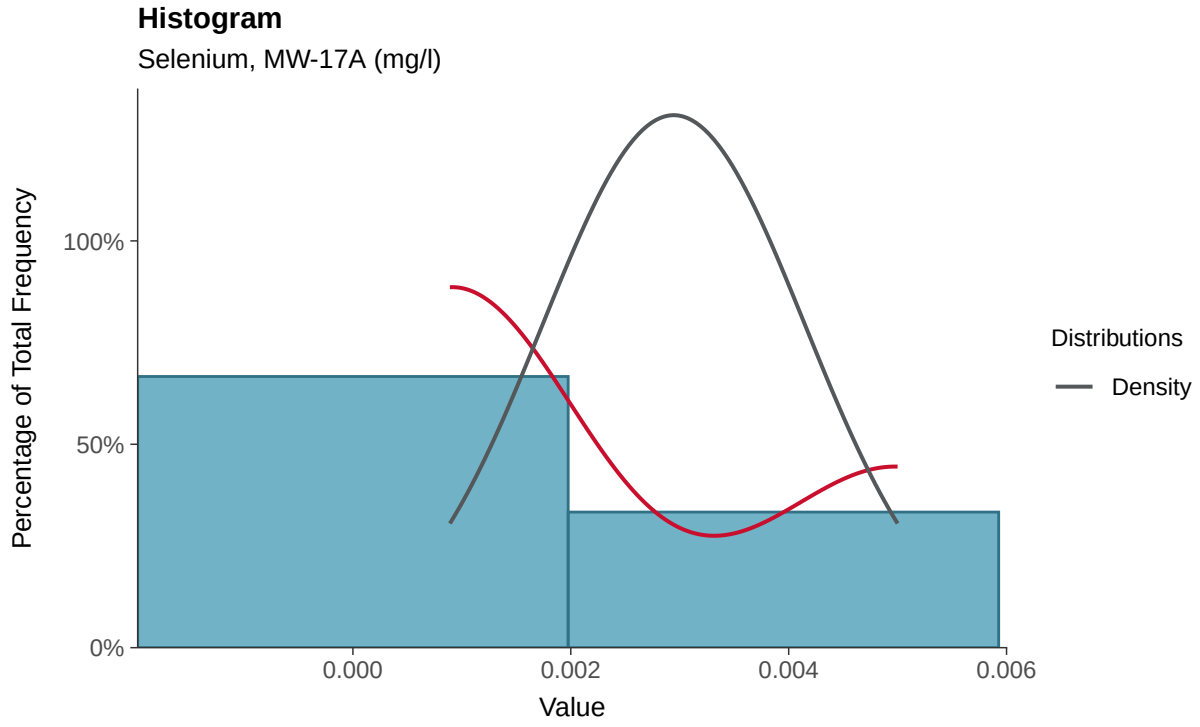
Radium-226+228, MW-17A (pci/l)



Appendix IV: Selenium, MW-17A

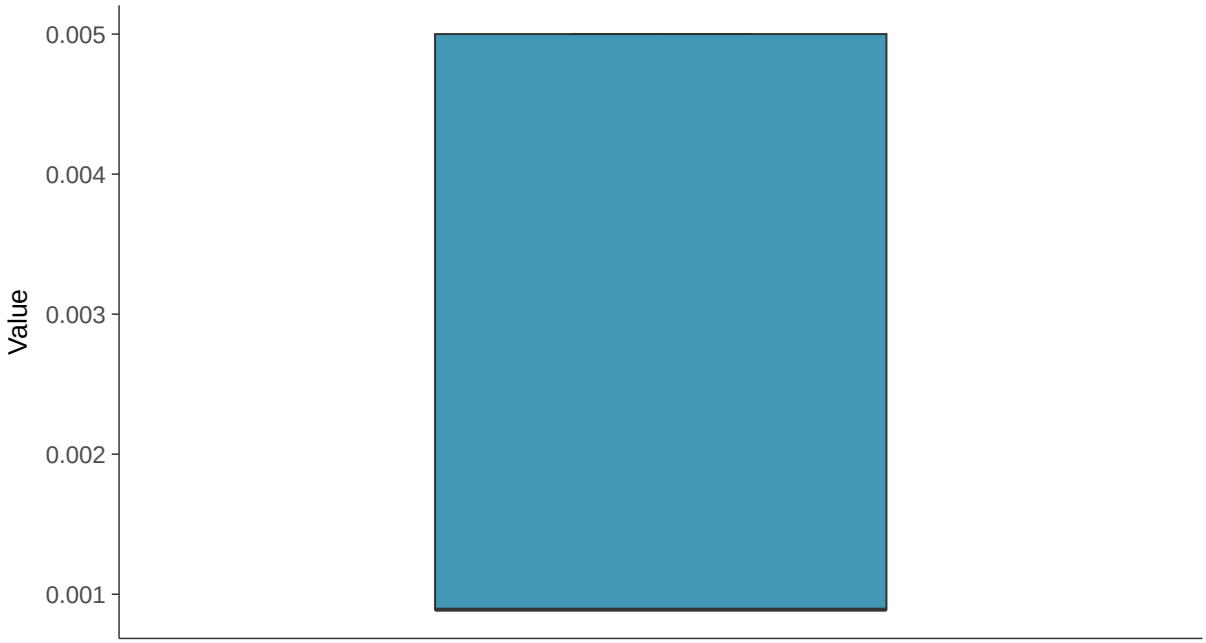
ID: 25_3_122





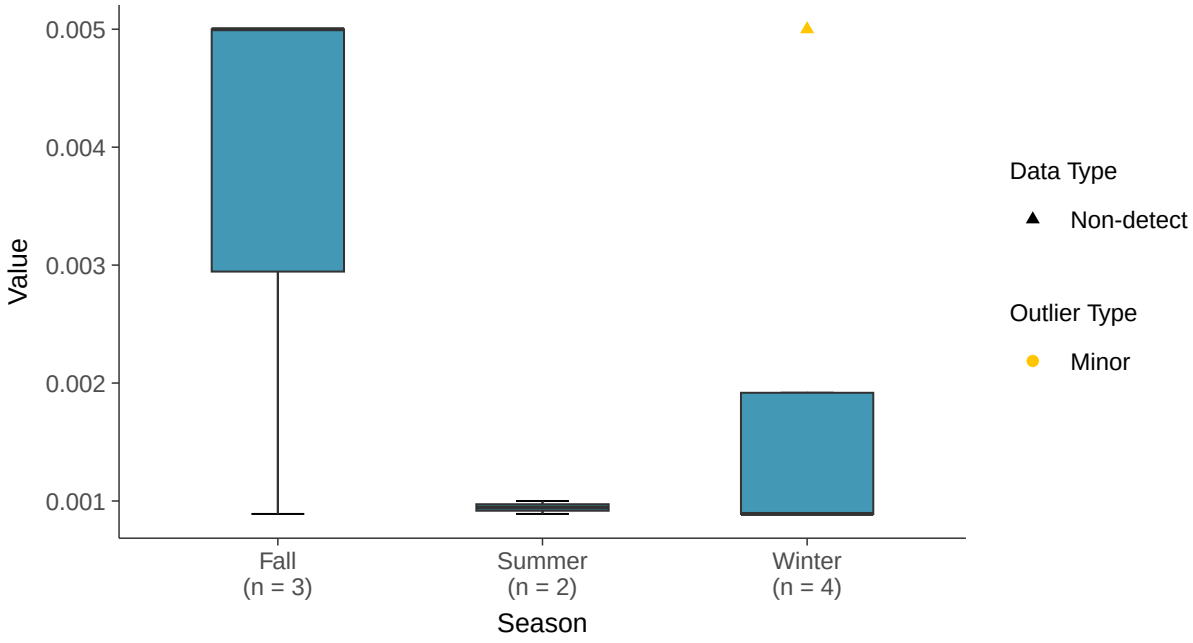
Boxplot

Selenium, MW-17A (mg/l)



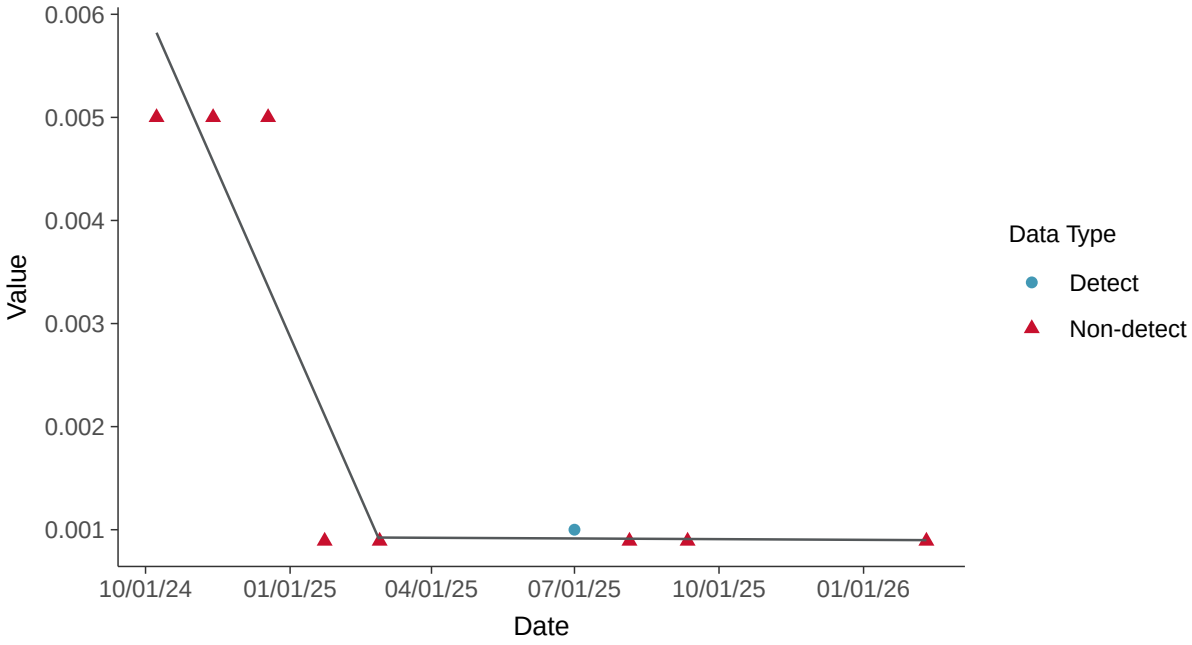
Boxplot by Season

Selenium, MW-17A (mg/l)



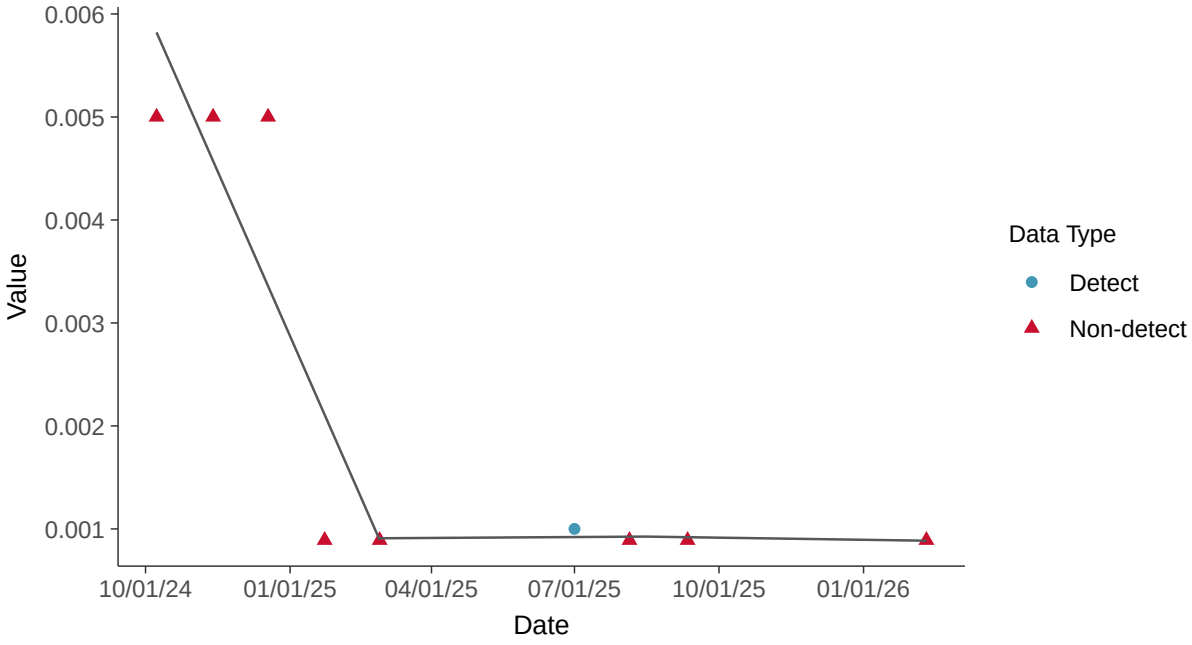
Trend Regression: Piecewise Linear-Linear

Selenium, MW-17A (mg/l)



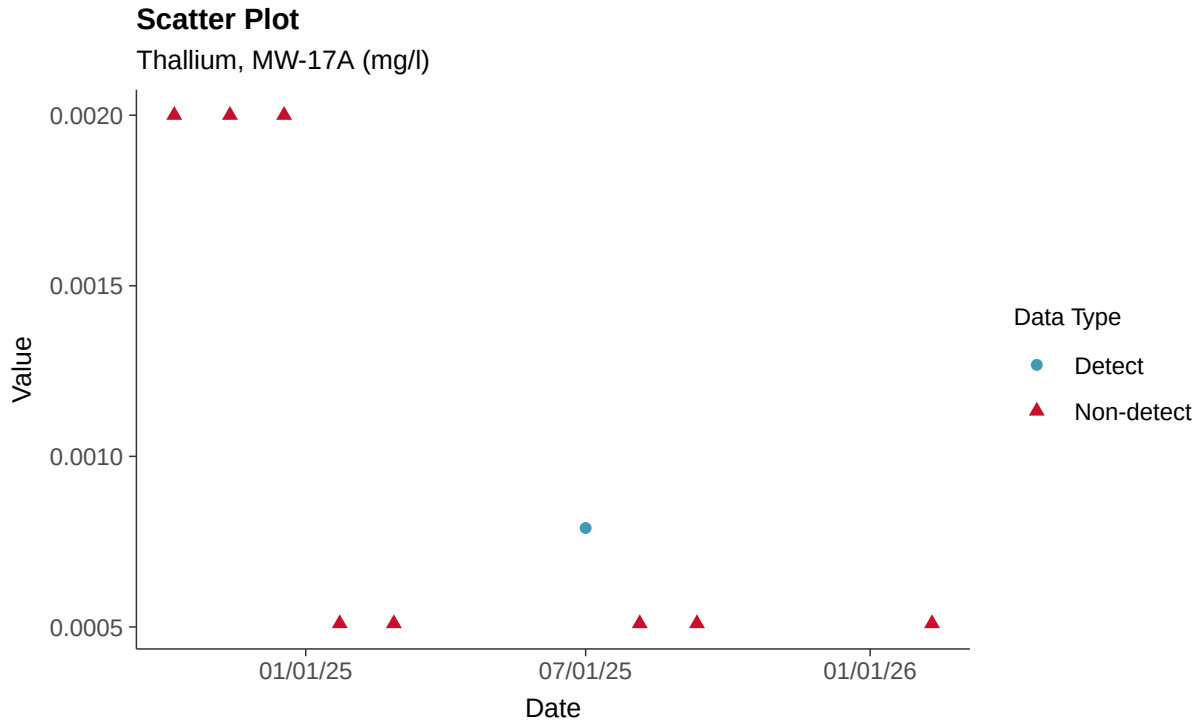
Trend Regression: Piecewise Linear-Linear-Linear

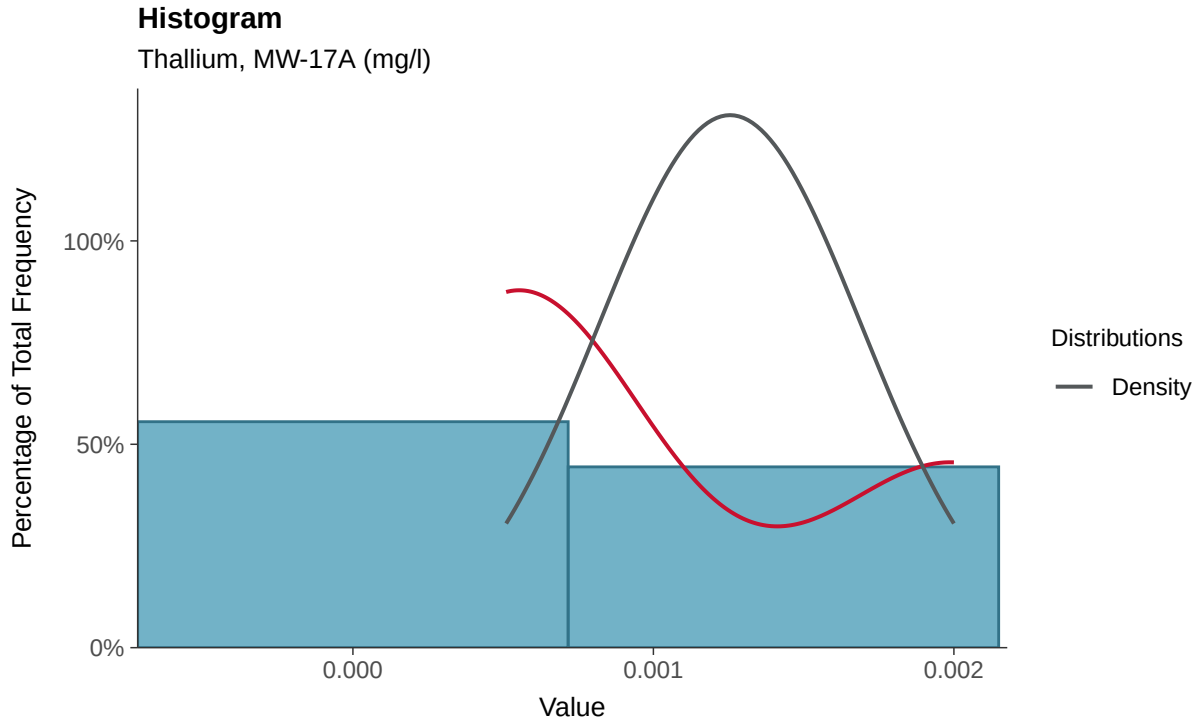
Selenium, MW-17A (mg/l)



Appendix IV: Thallium, MW-17A

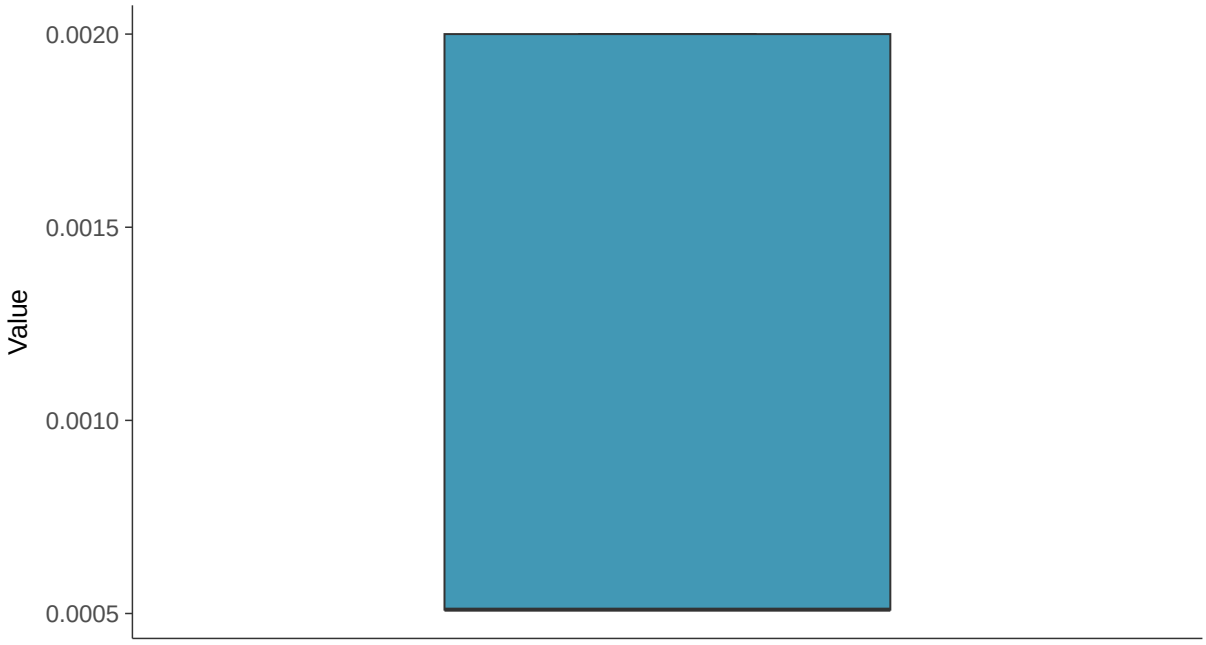
ID: 25_3_125





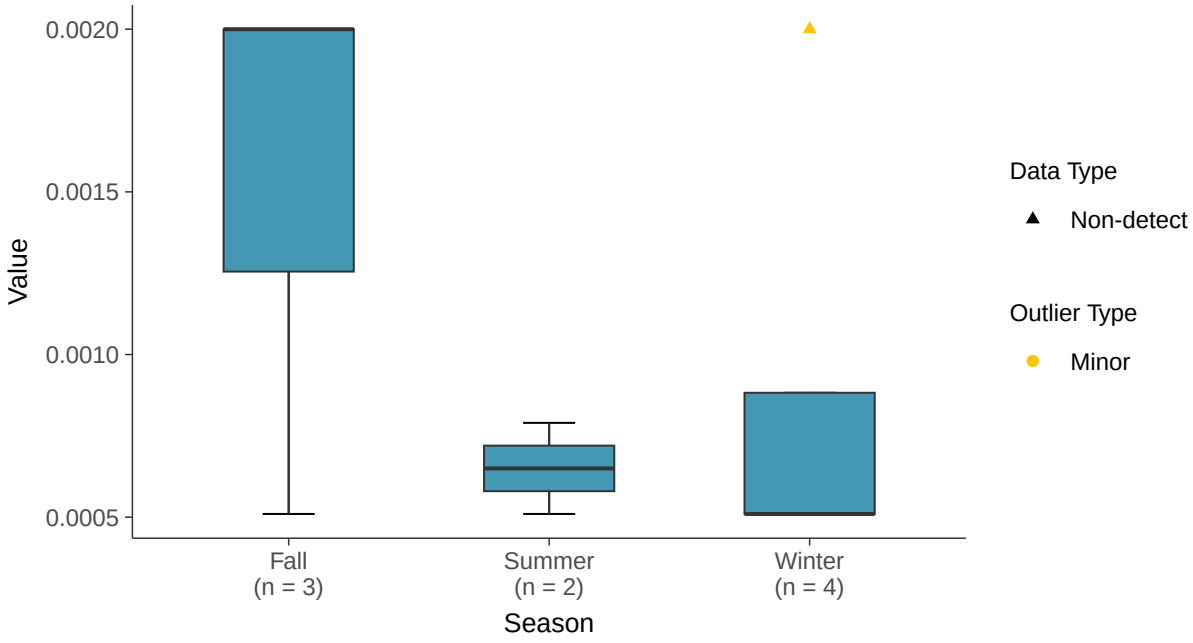
Boxplot

Thallium, MW-17A (mg/l)



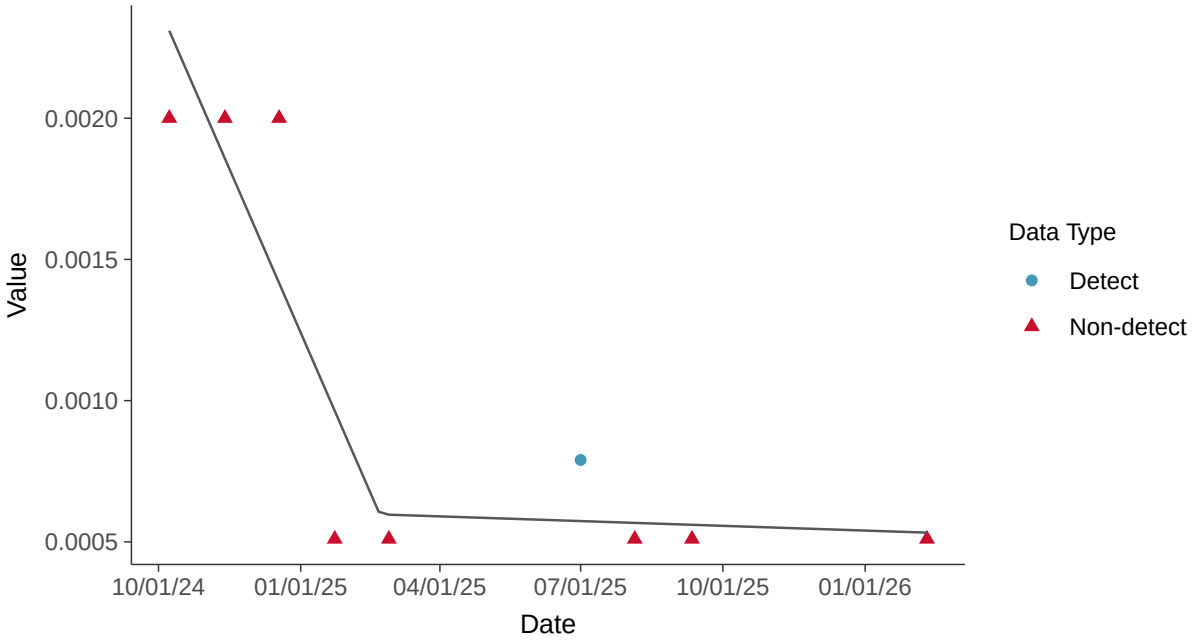
Boxplot by Season

Thallium, MW-17A (mg/l)



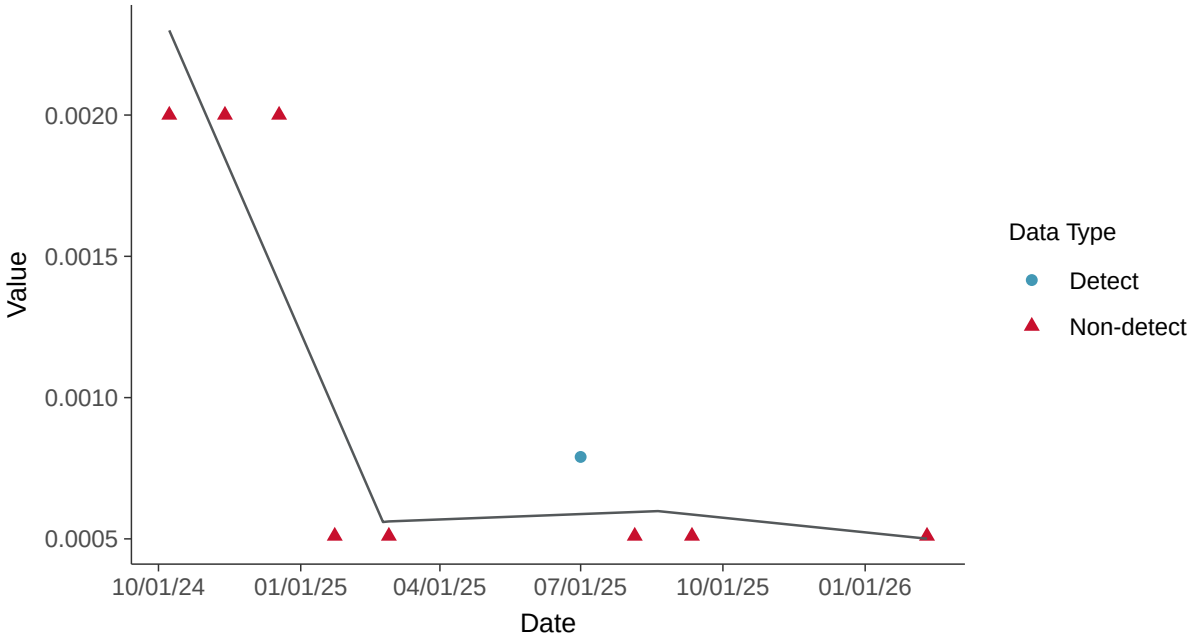
Trend Regression: Piecewise Linear-Linear

Thallium, MW-17A (mg/l)



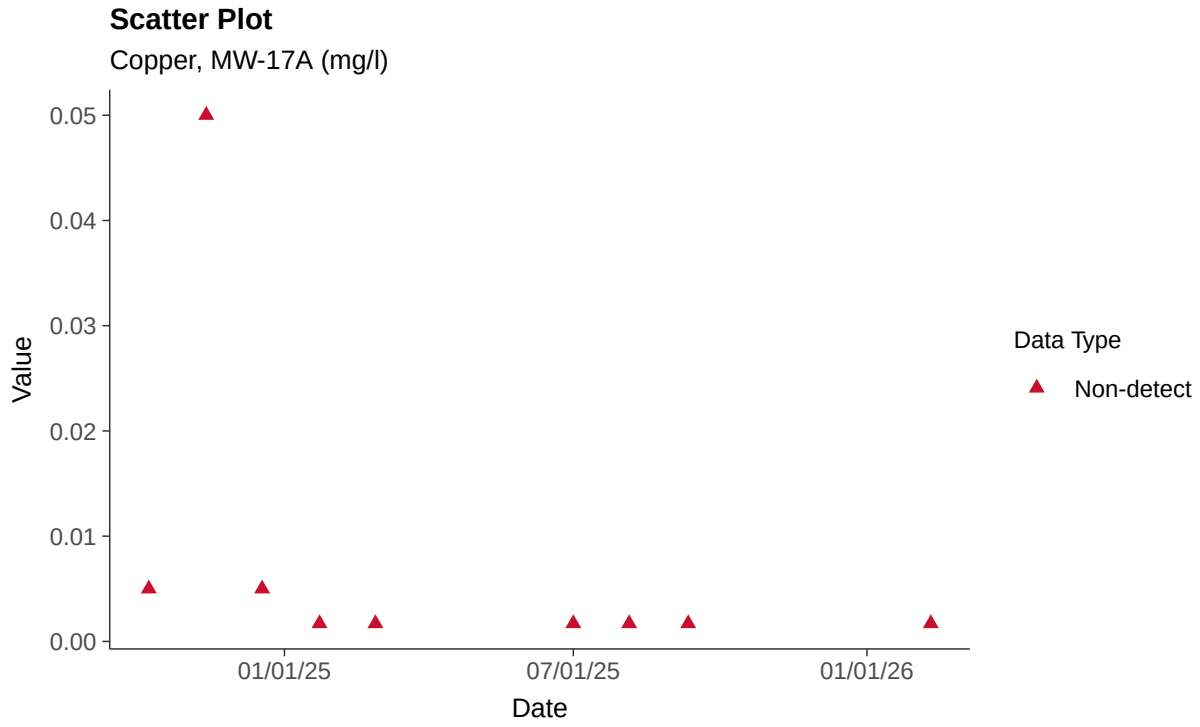
Trend Regression: Piecewise Linear-Linear-Linear

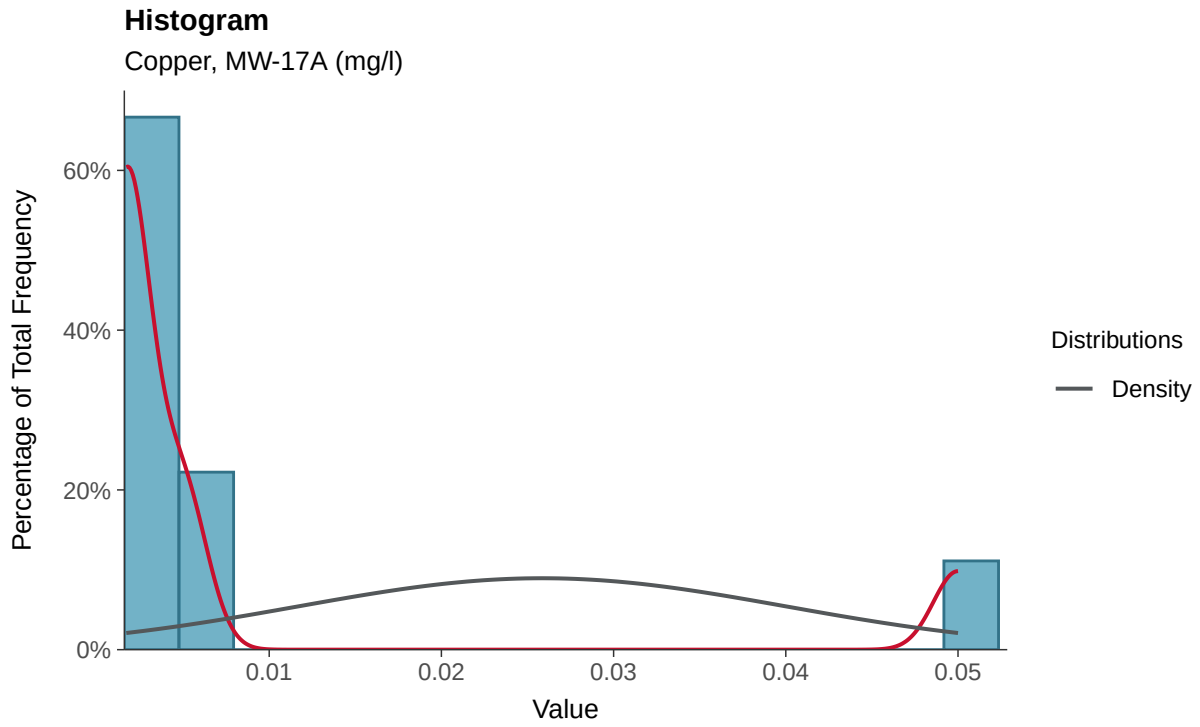
Thallium, MW-17A (mg/l)



Part 115: Copper, MW-17A

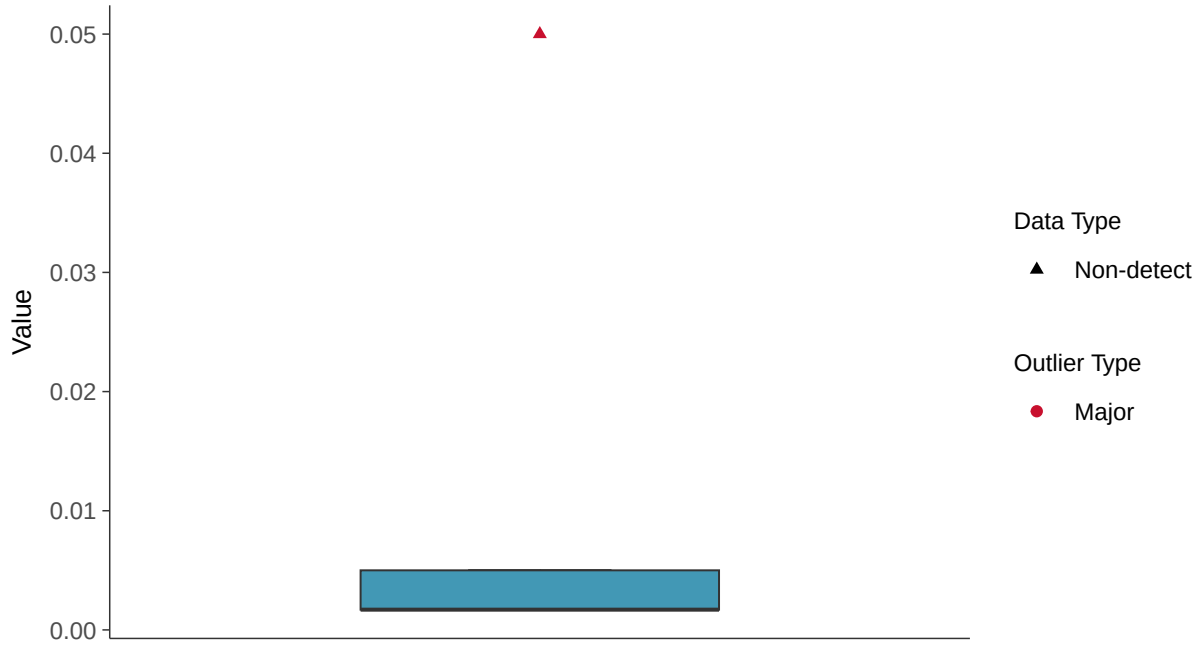
ID: 25_5_111





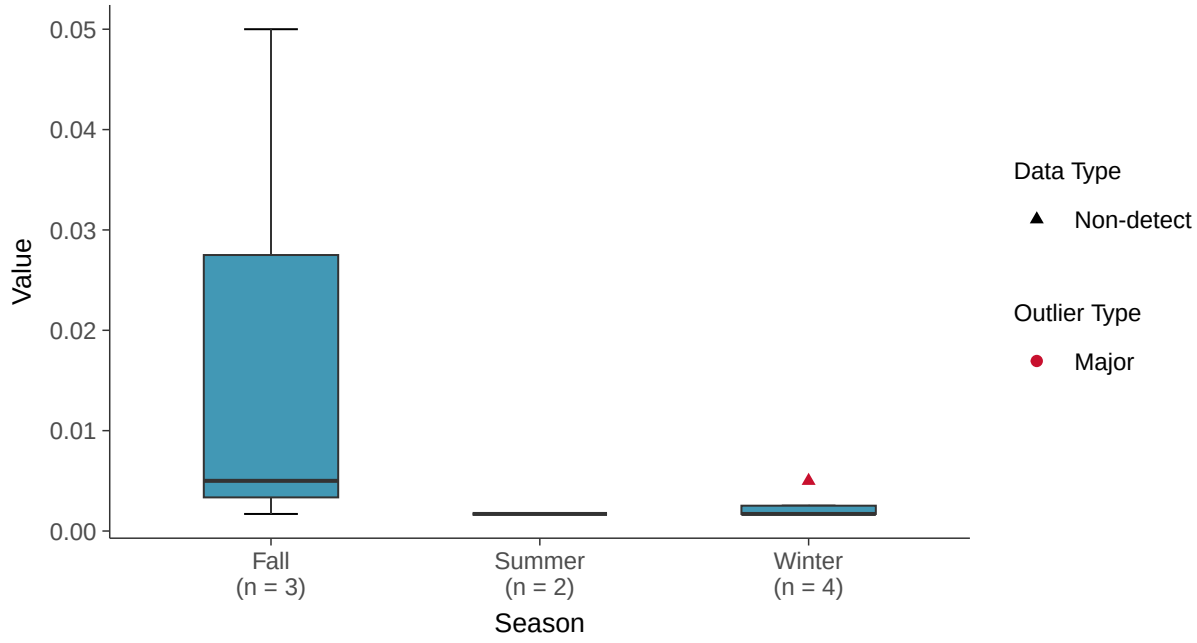
Boxplot

Copper, MW-17A (mg/l)



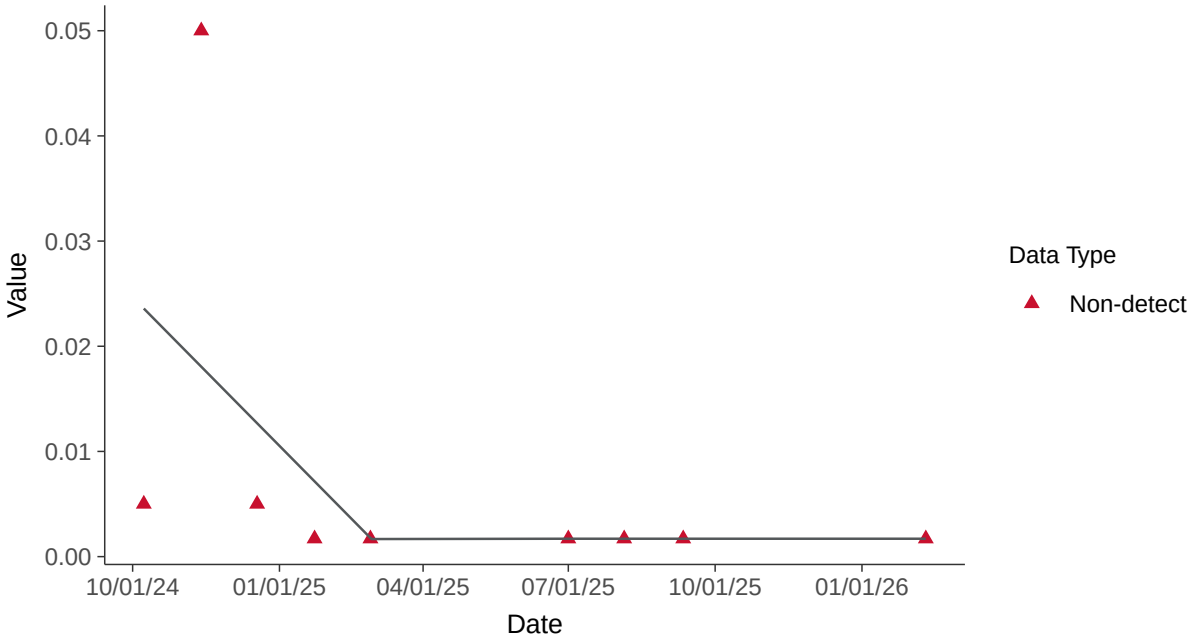
Boxplot by Season

Copper, MW-17A (mg/l)



Trend Regression: Piecewise Linear-Linear

Copper, MW-17A (mg/l)

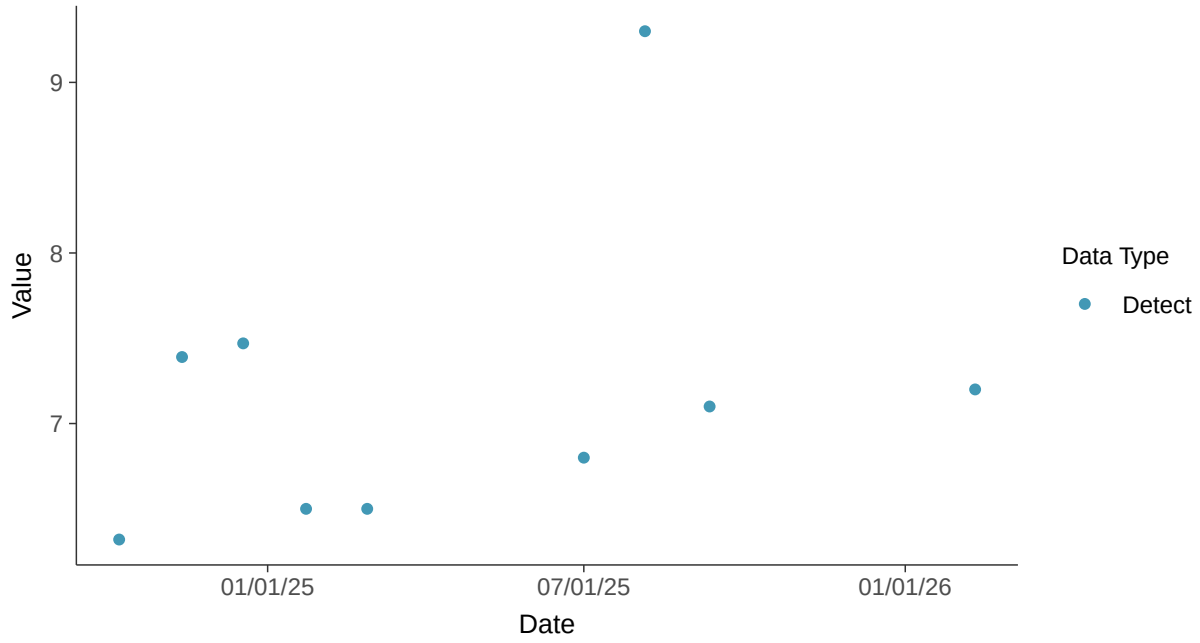


Part 115: Iron, MW-17A

ID: 25_5_114

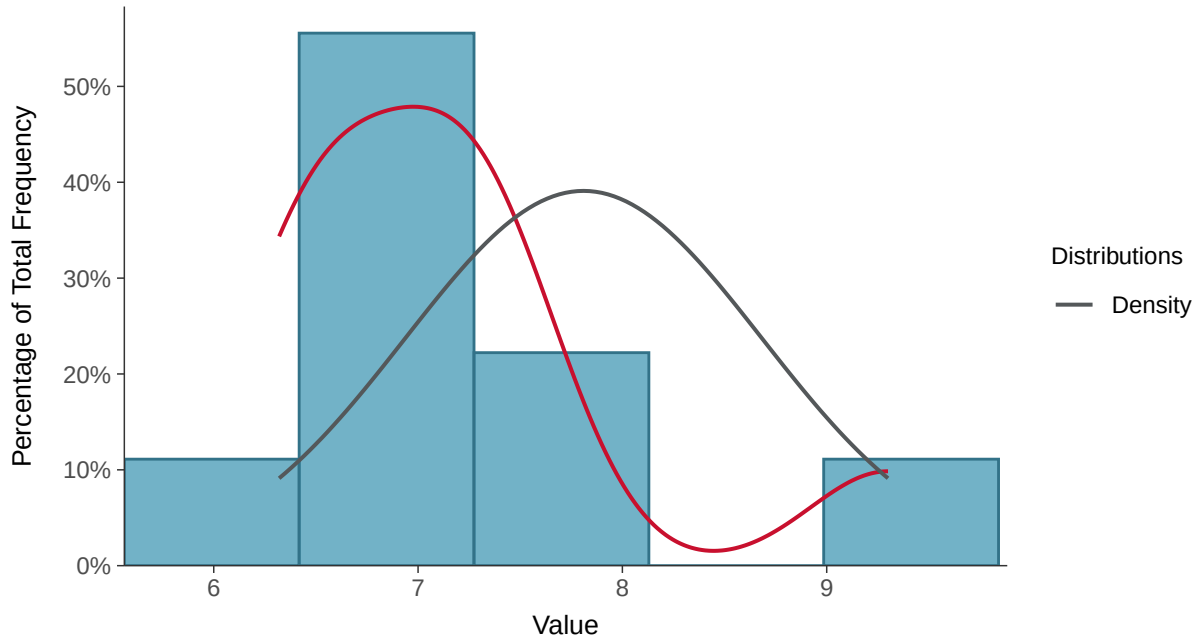
Scatter Plot

Iron, MW-17A (mg/l)



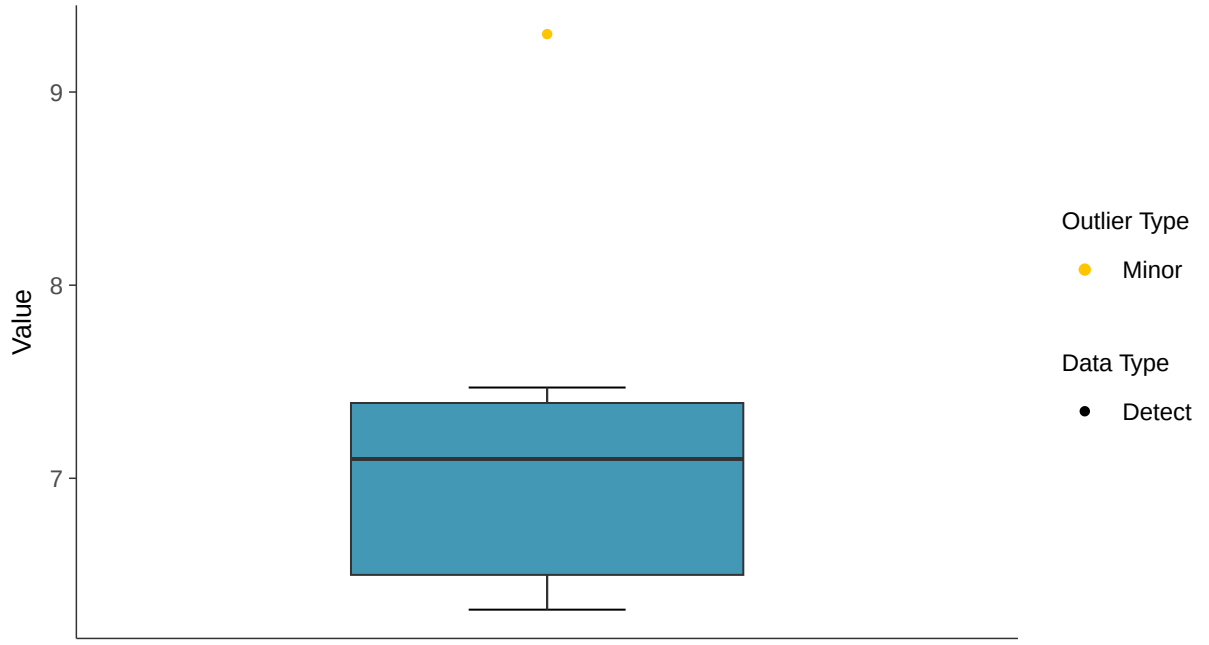
Histogram

Iron, MW-17A (mg/l)



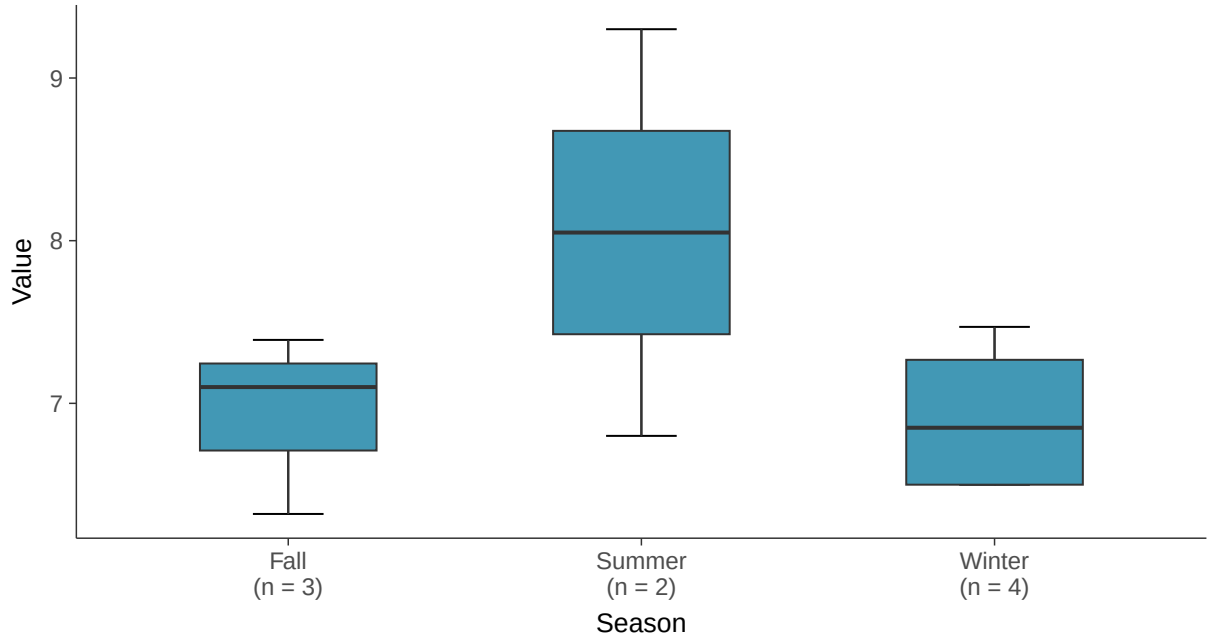
Boxplot

Iron, MW-17A (mg/l)



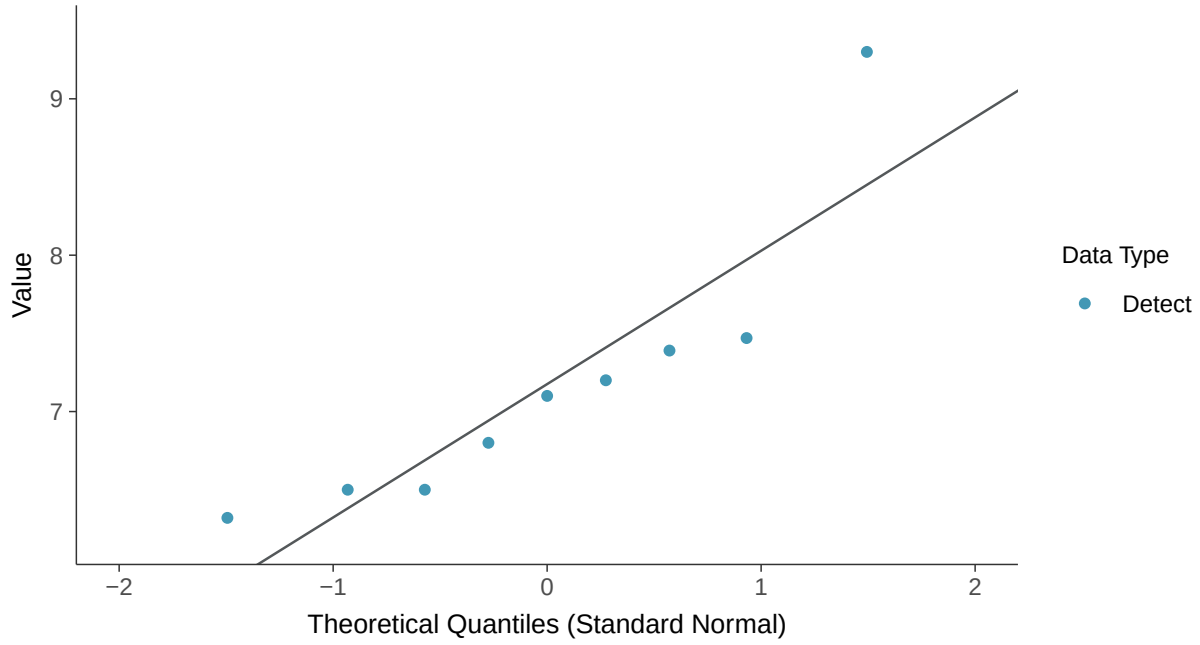
Boxplot by Season

Iron, MW-17A (mg/l)



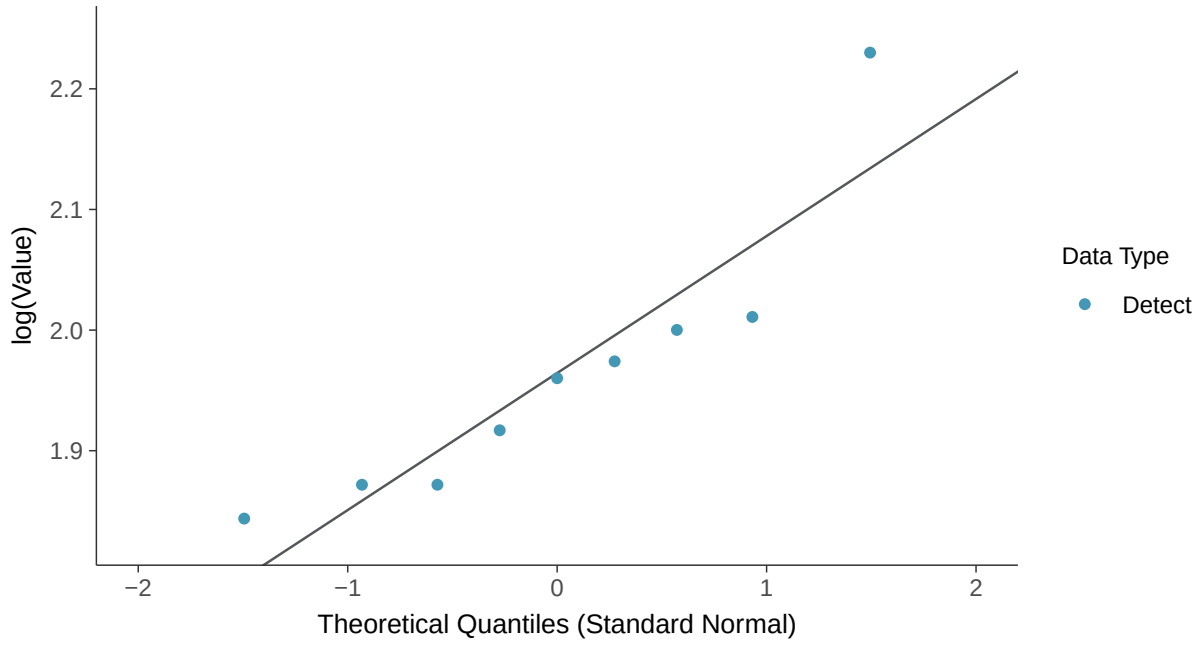
Normal Q-Q plot

Iron, MW-17A (mg/l)



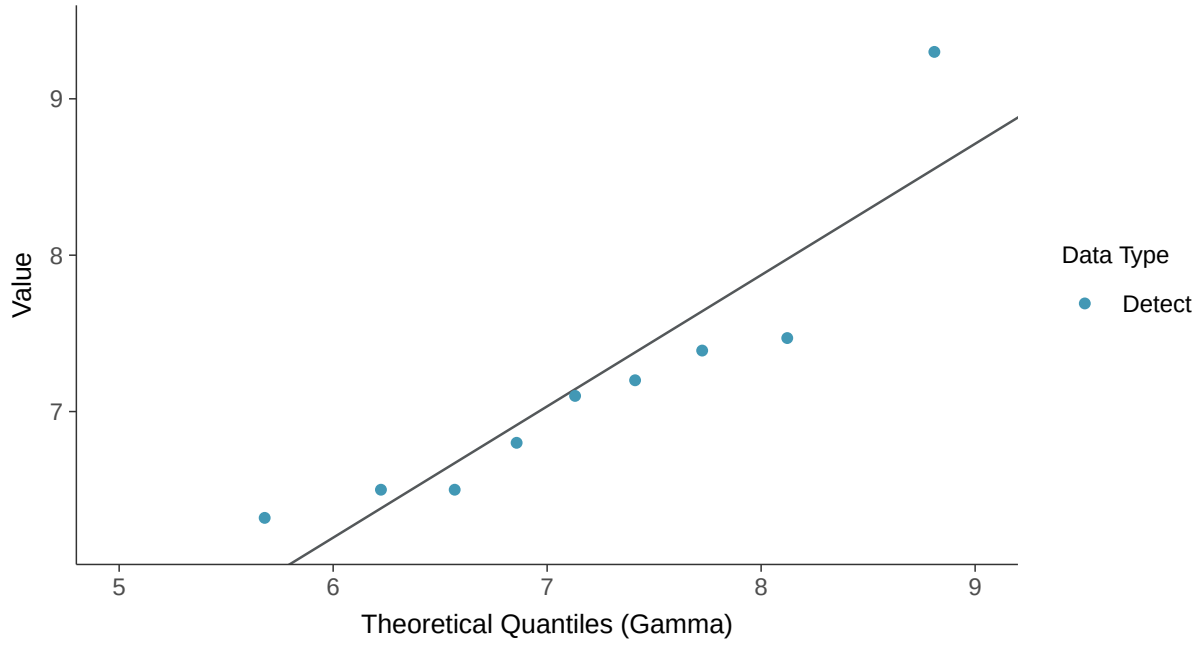
Lognormal Q-Q plot

Iron, MW-17A (mg/l)



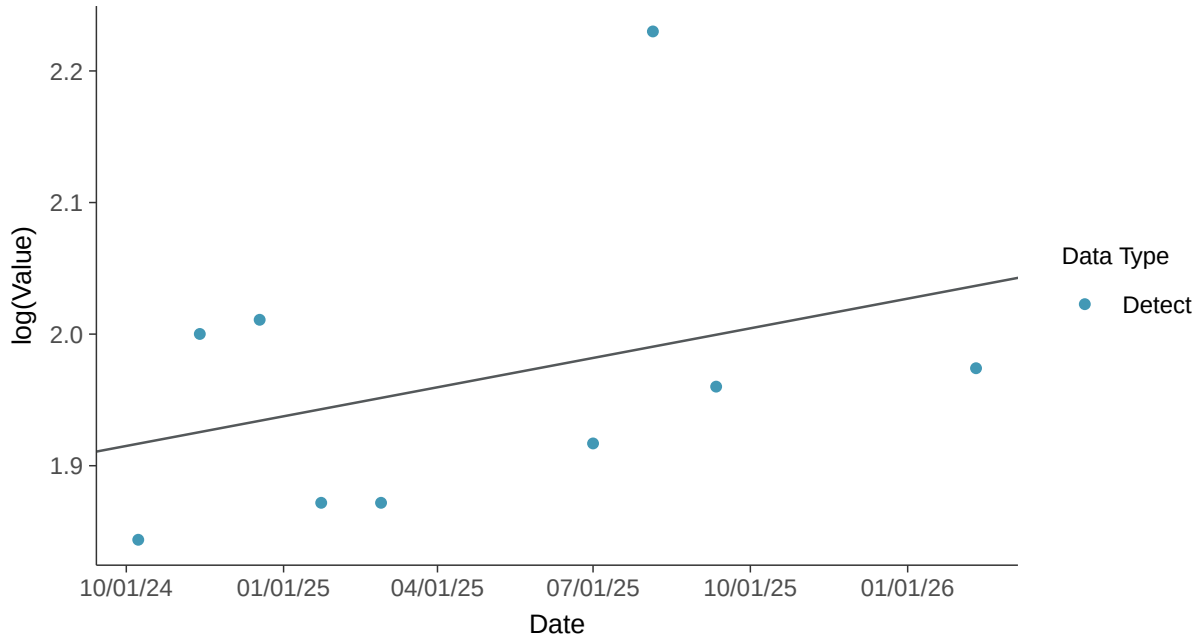
Gamma Q-Q plot

Iron, MW-17A (mg/l)



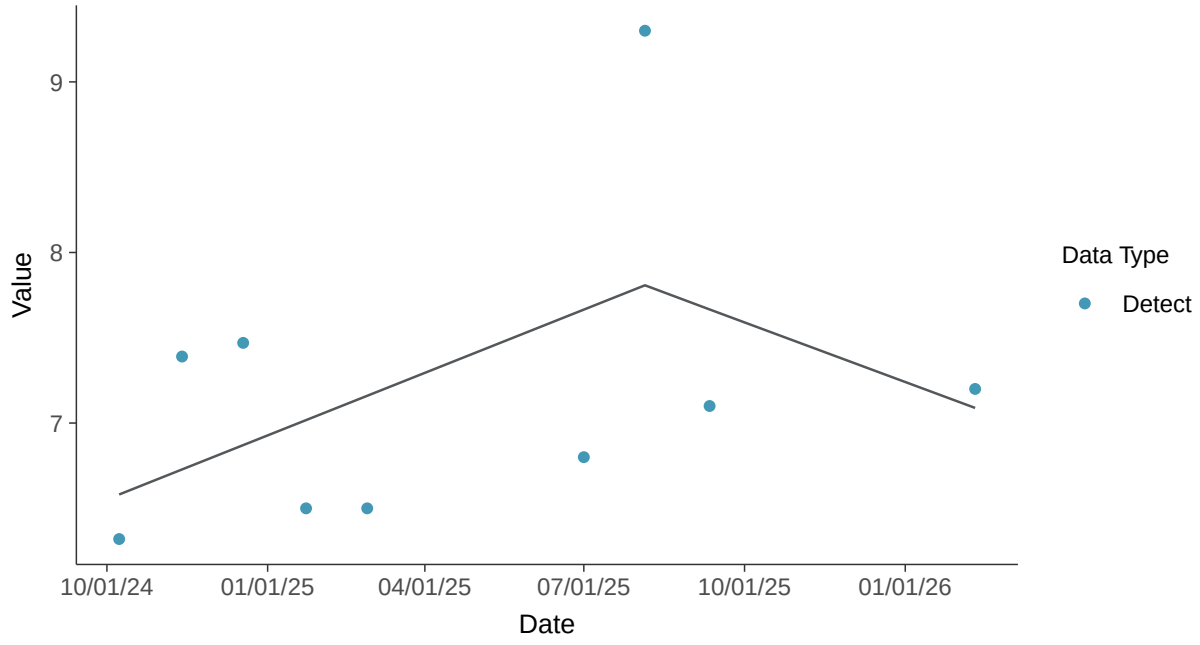
Trend Regression: Lognormal MLE

Iron, MW-17A (mg/l)



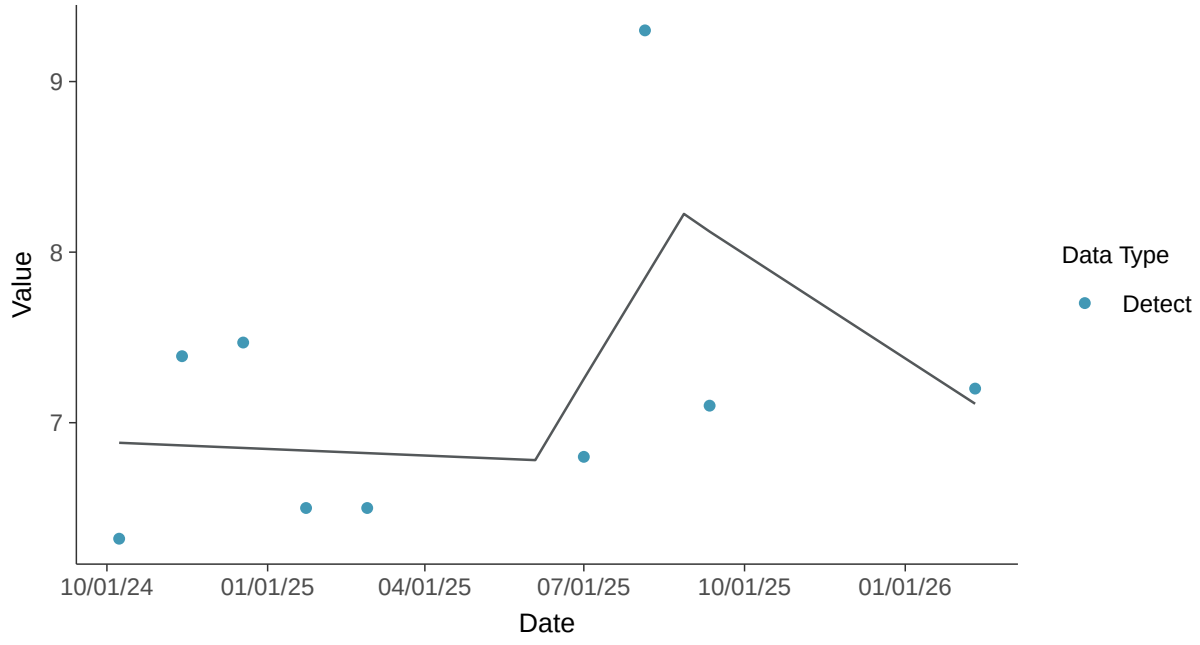
Trend Regression: Piecewise Linear-Linear

Iron, MW-17A (mg/l)



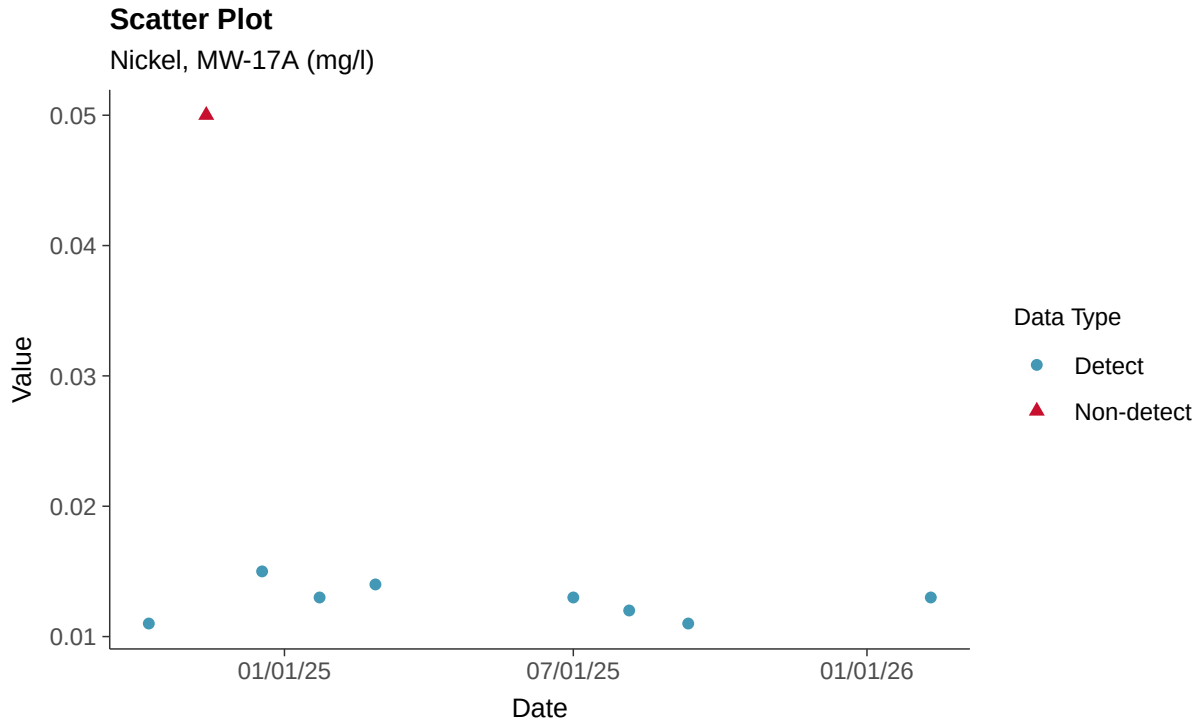
Trend Regression: Piecewise Linear-Linear-Linear

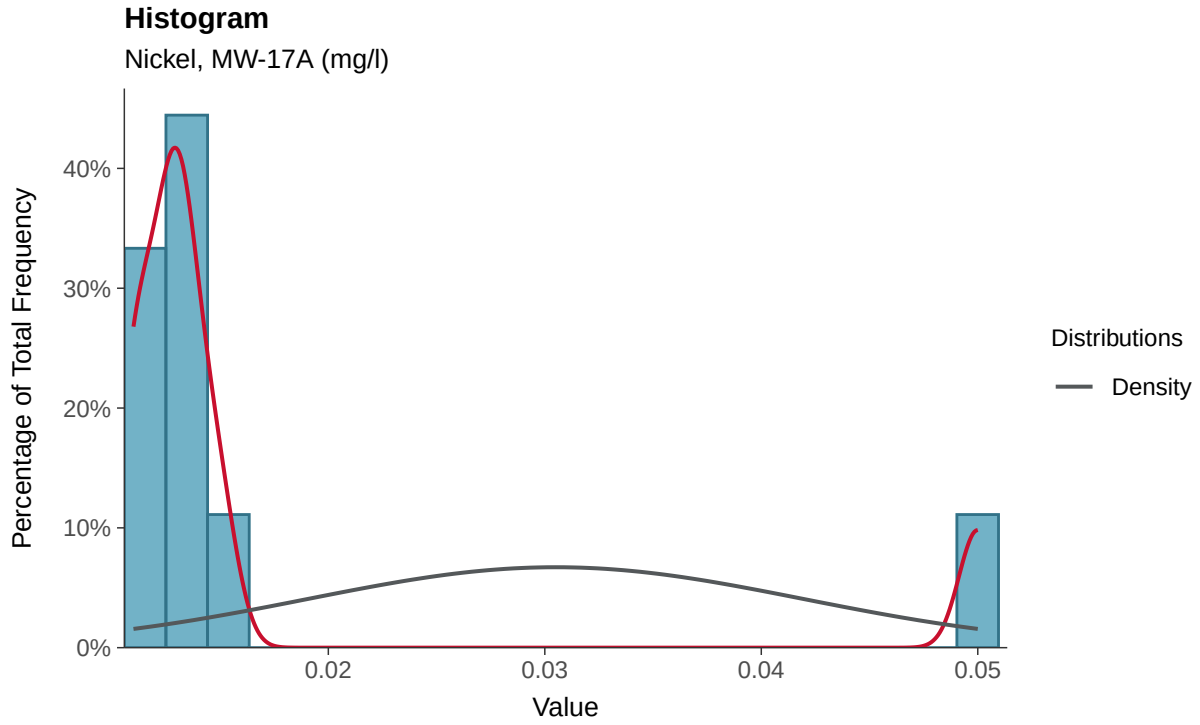
Iron, MW-17A (mg/l)



Part 115: Nickel, MW-17A

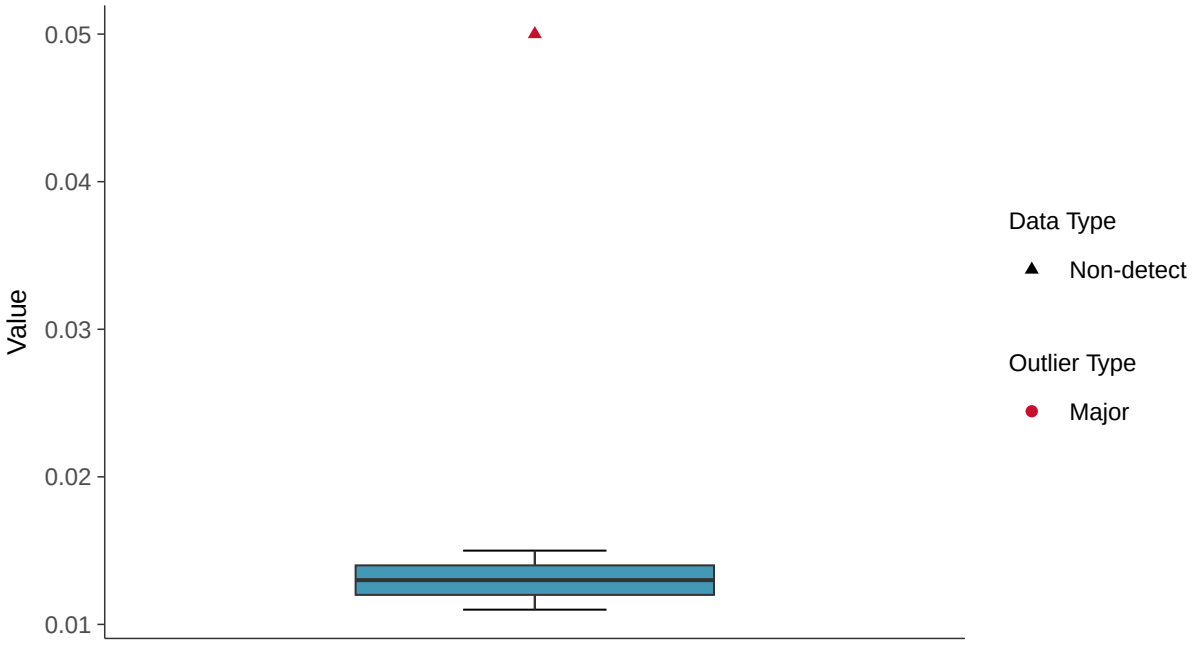
ID: 25_5_119





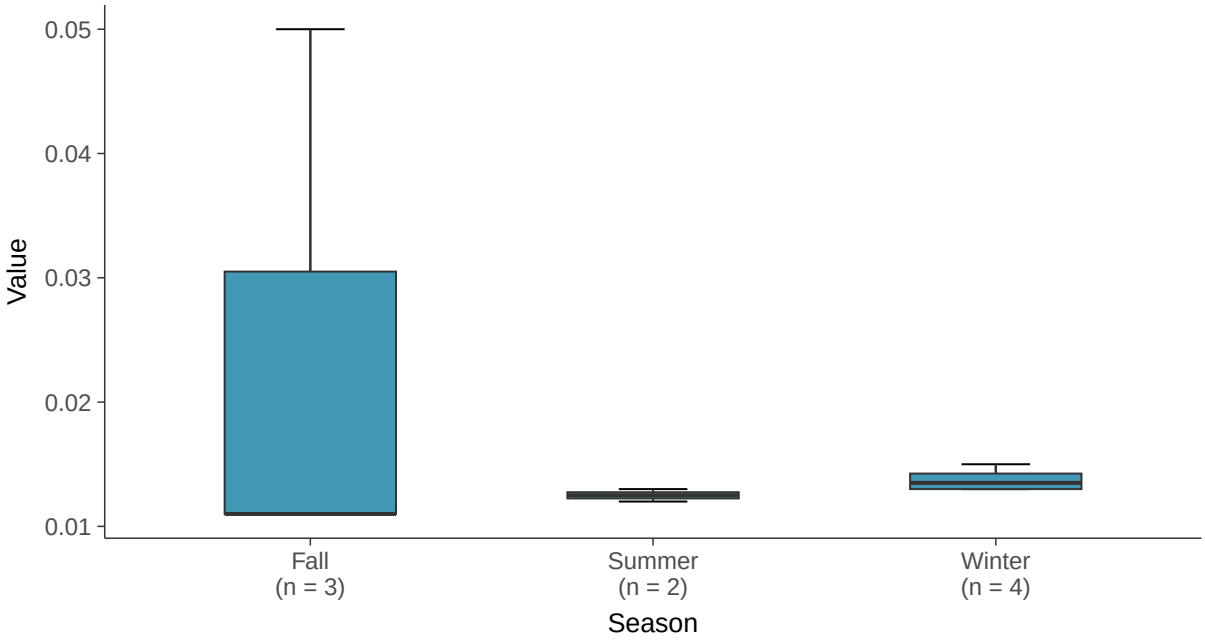
Boxplot

Nickel, MW-17A (mg/l)



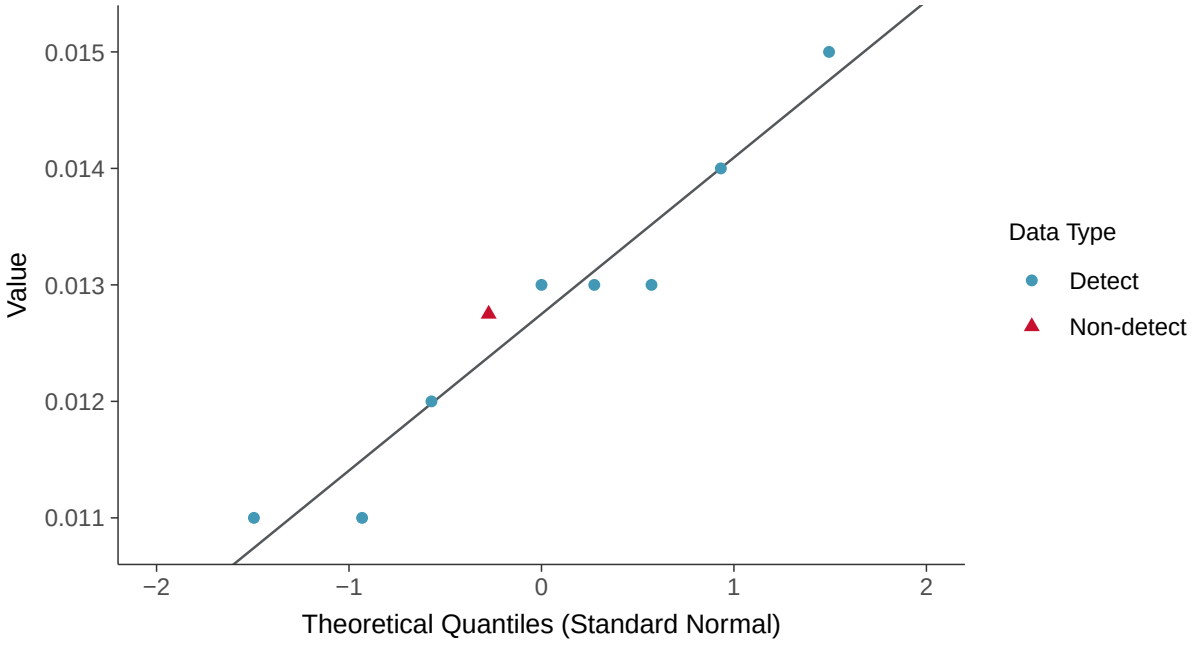
Boxplot by Season

Nickel, MW-17A (mg/l)



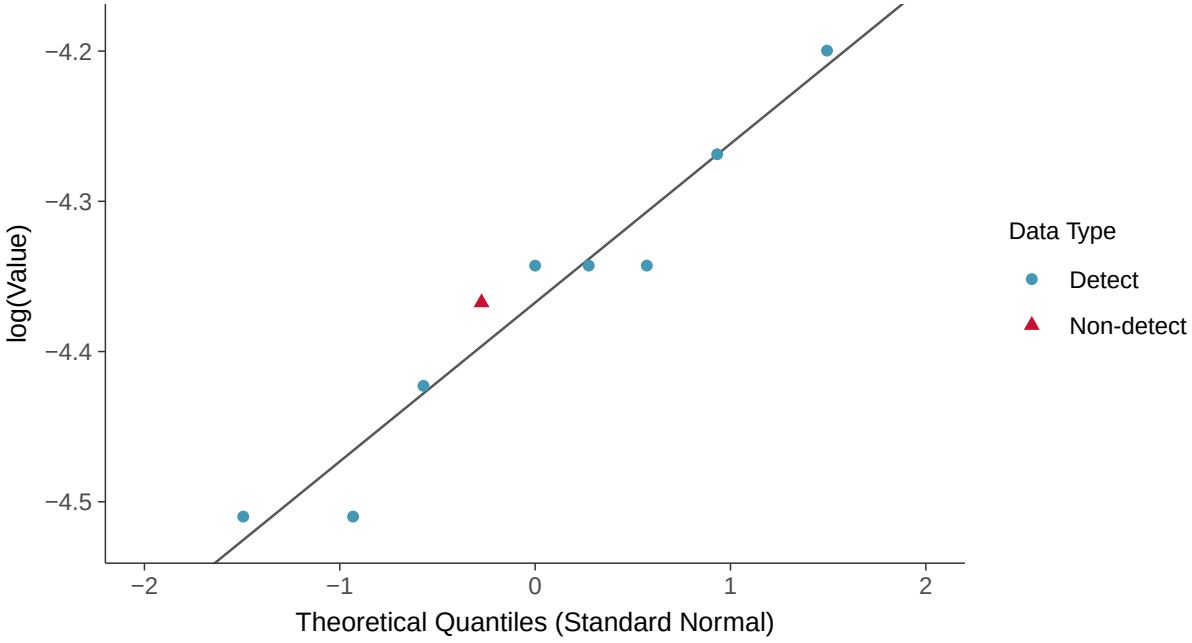
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-17A (mg/l)



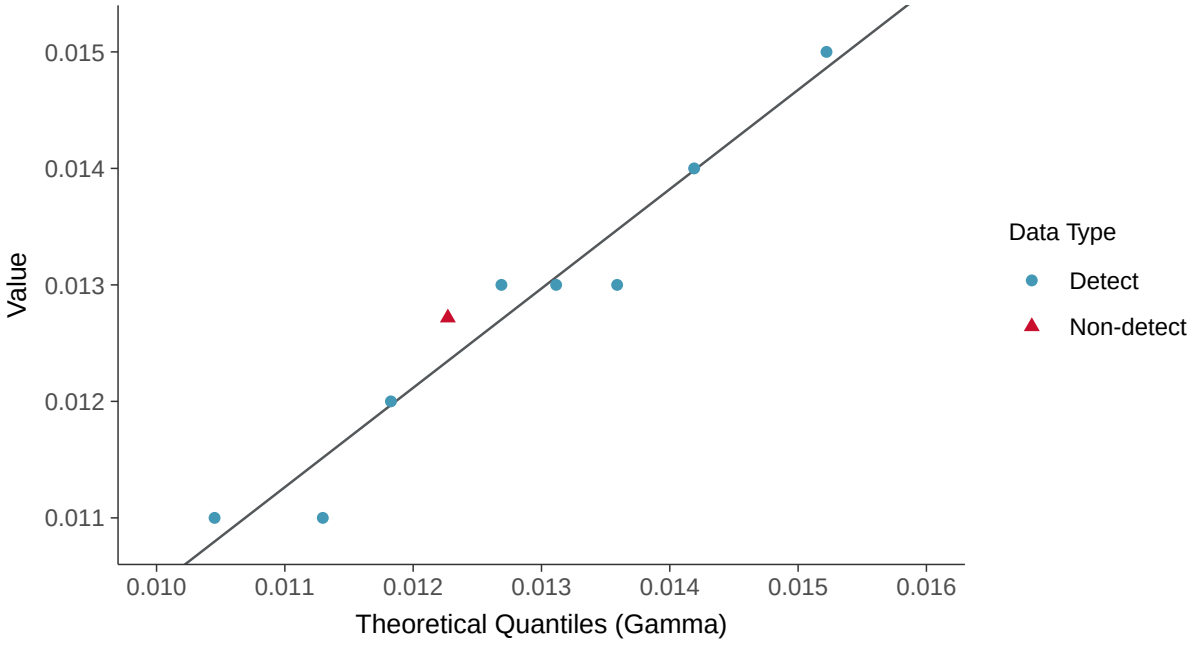
Lognormal Q-Q plot using ROS Imputed Estimates

Nickel, MW-17A (mg/l)



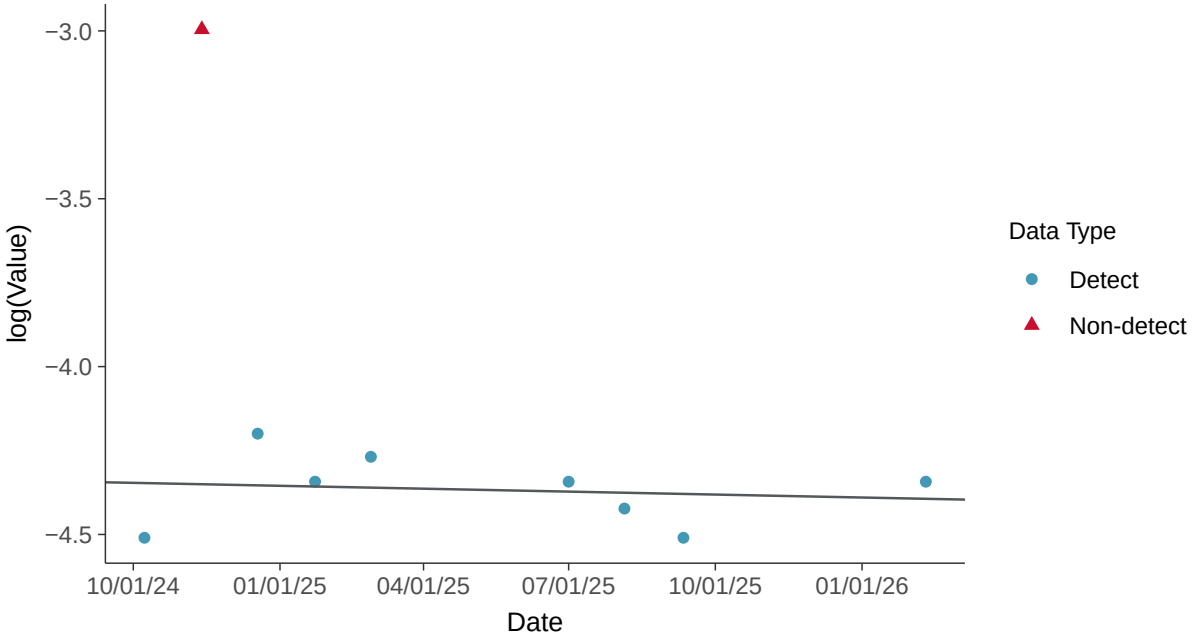
Gamma Q-Q plot using ROS Imputed Estimates

Nickel, MW-17A (mg/l)



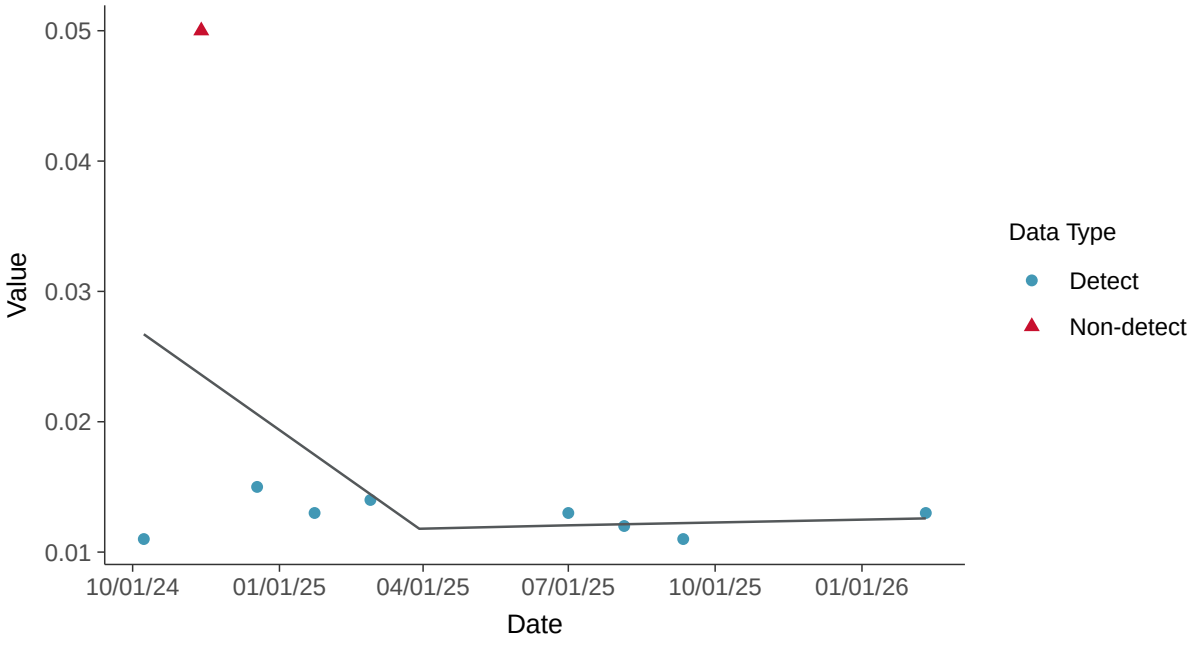
Trend Regression: Lognormal MLE

Nickel, MW-17A (mg/l)



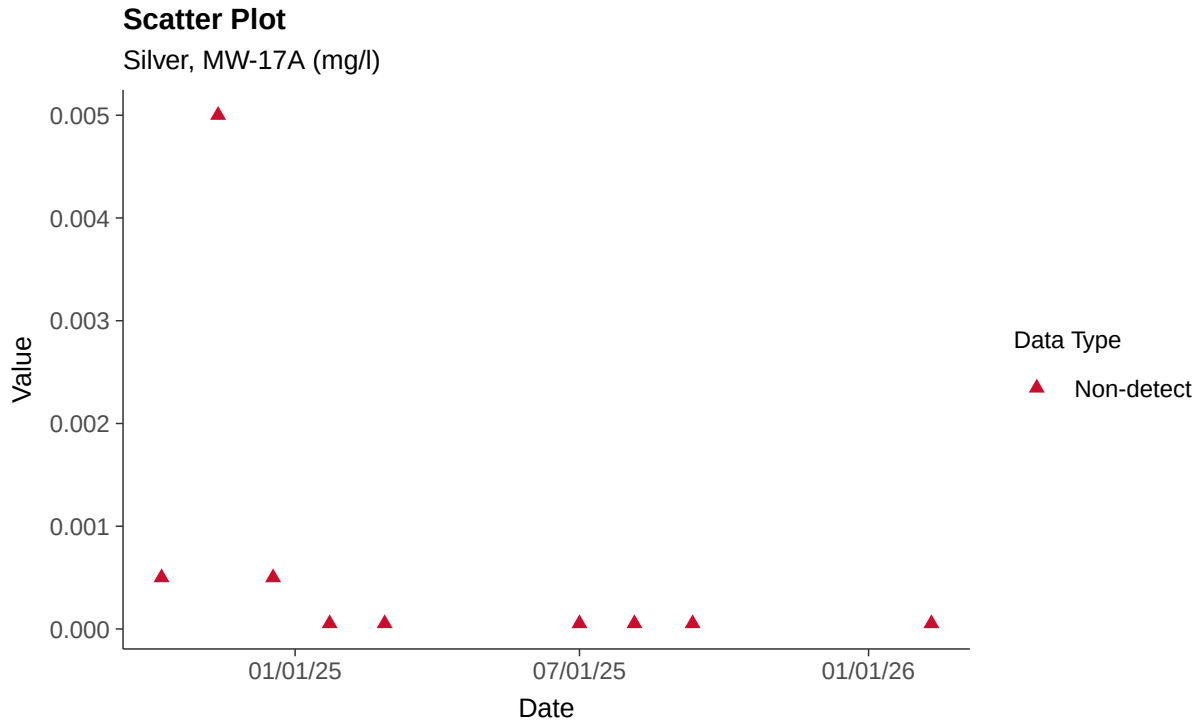
Trend Regression: Piecewise Linear-Linear

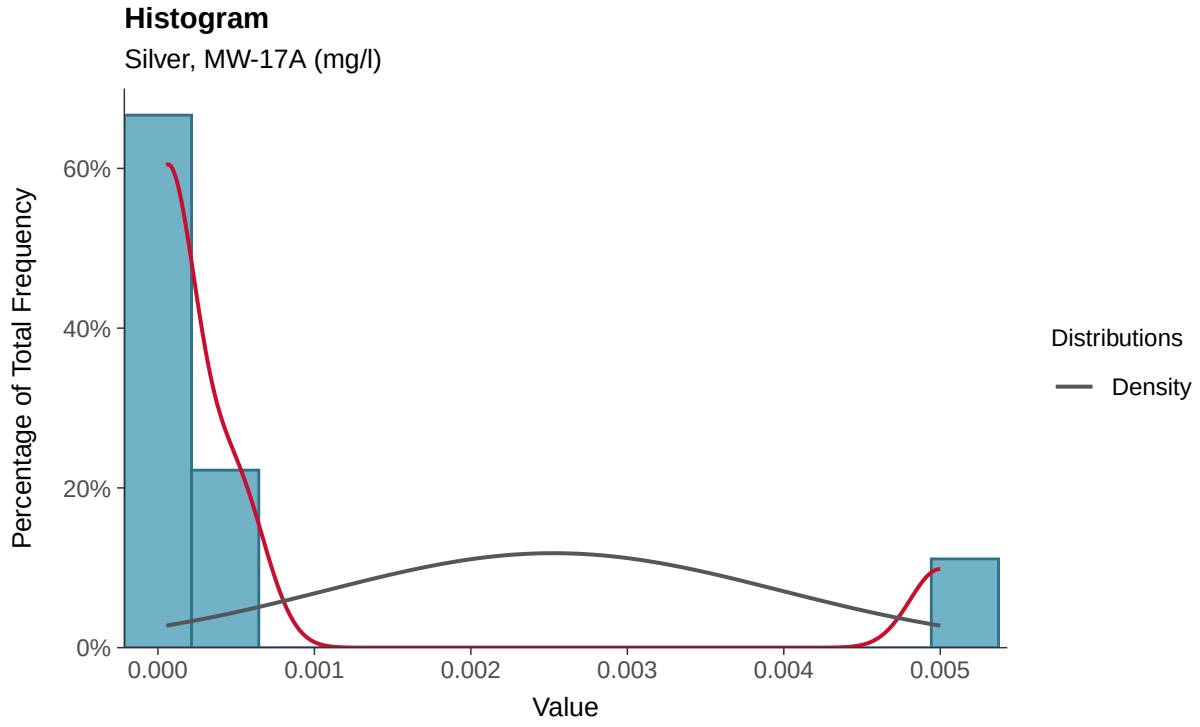
Nickel, MW-17A (mg/l)



Part 115: Silver, MW-17A

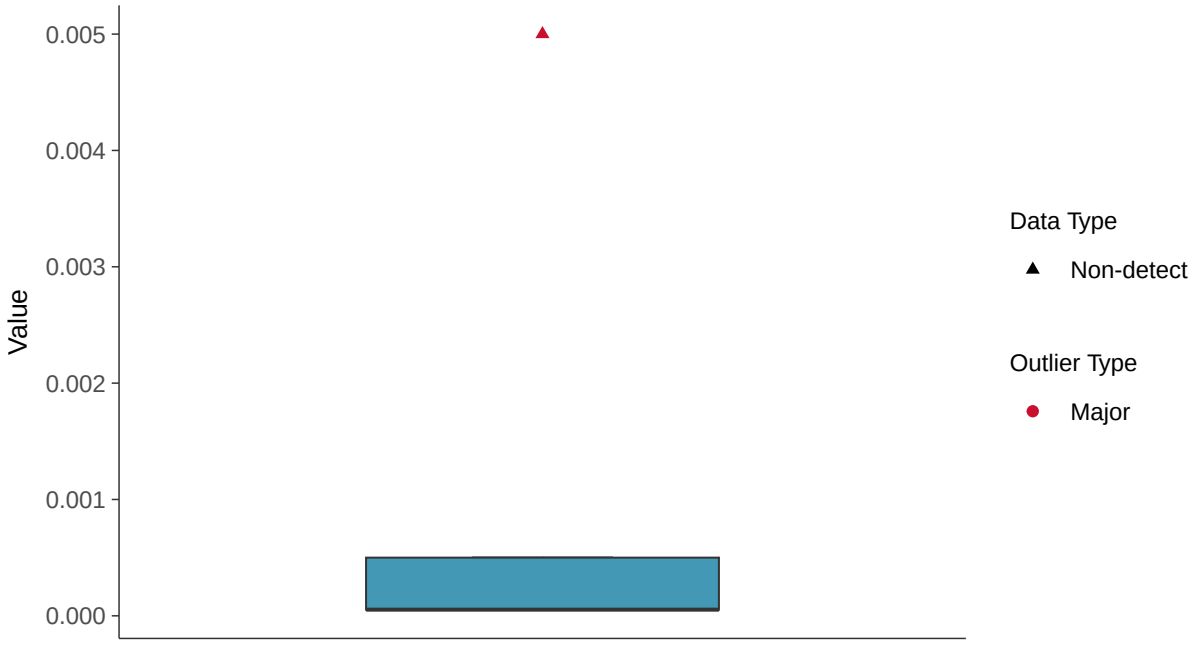
ID: 25_5_123





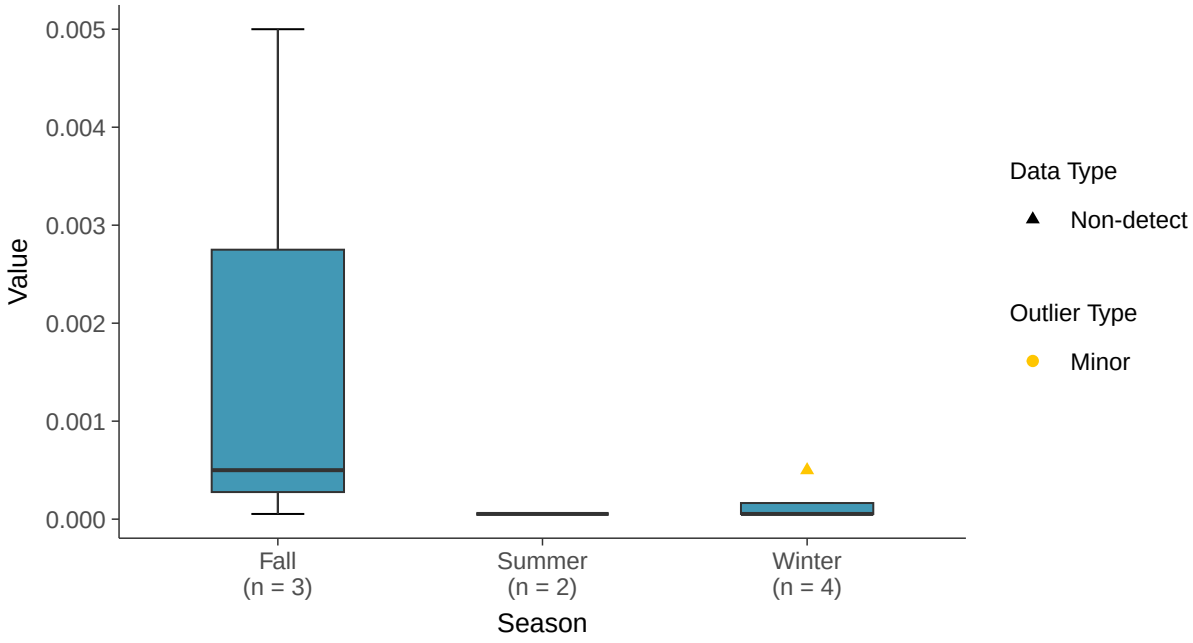
Boxplot

Silver, MW-17A (mg/l)



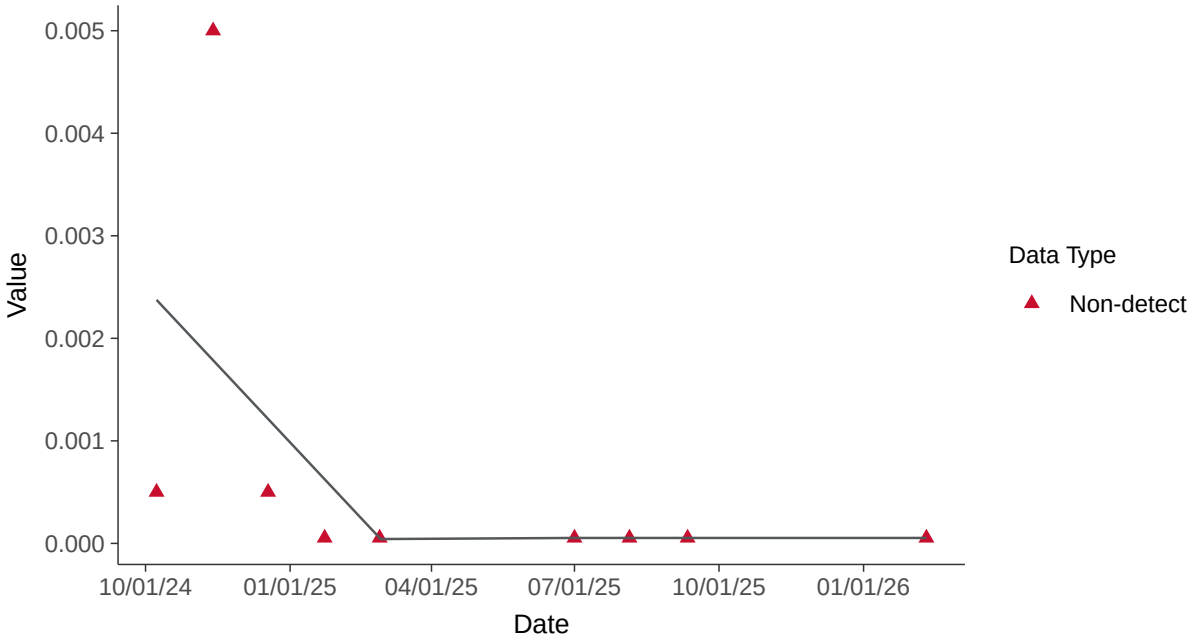
Boxplot by Season

Silver, MW-17A (mg/l)



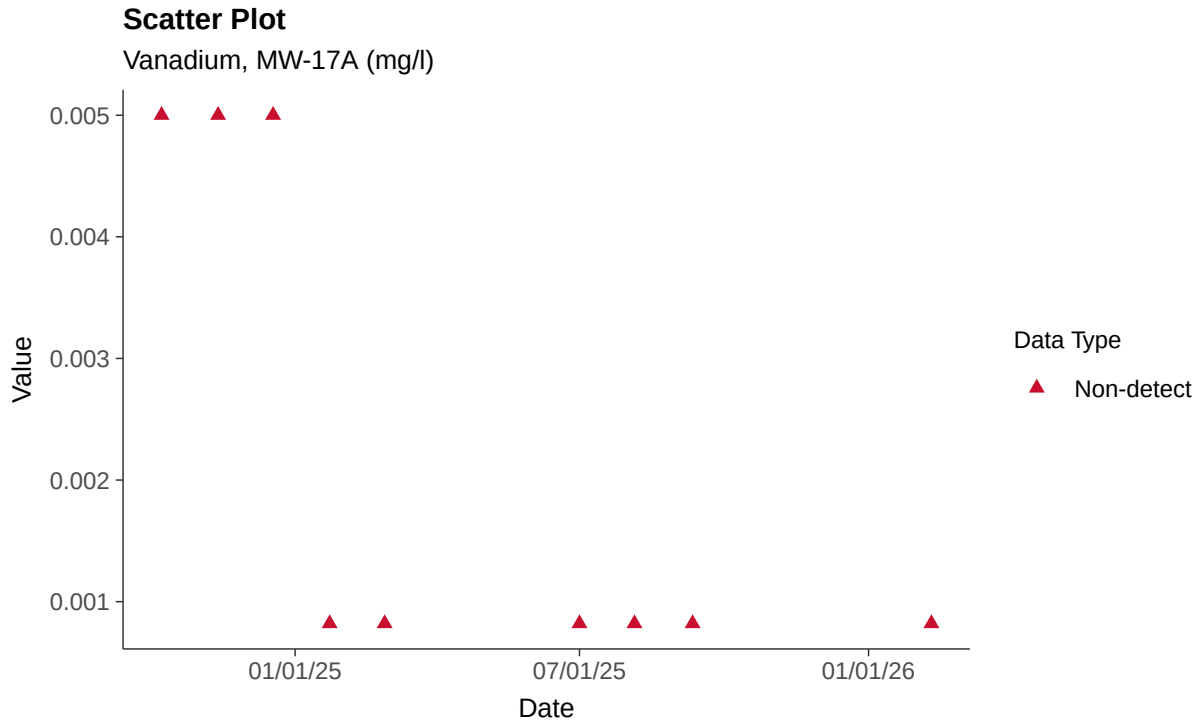
Trend Regression: Piecewise Linear-Linear

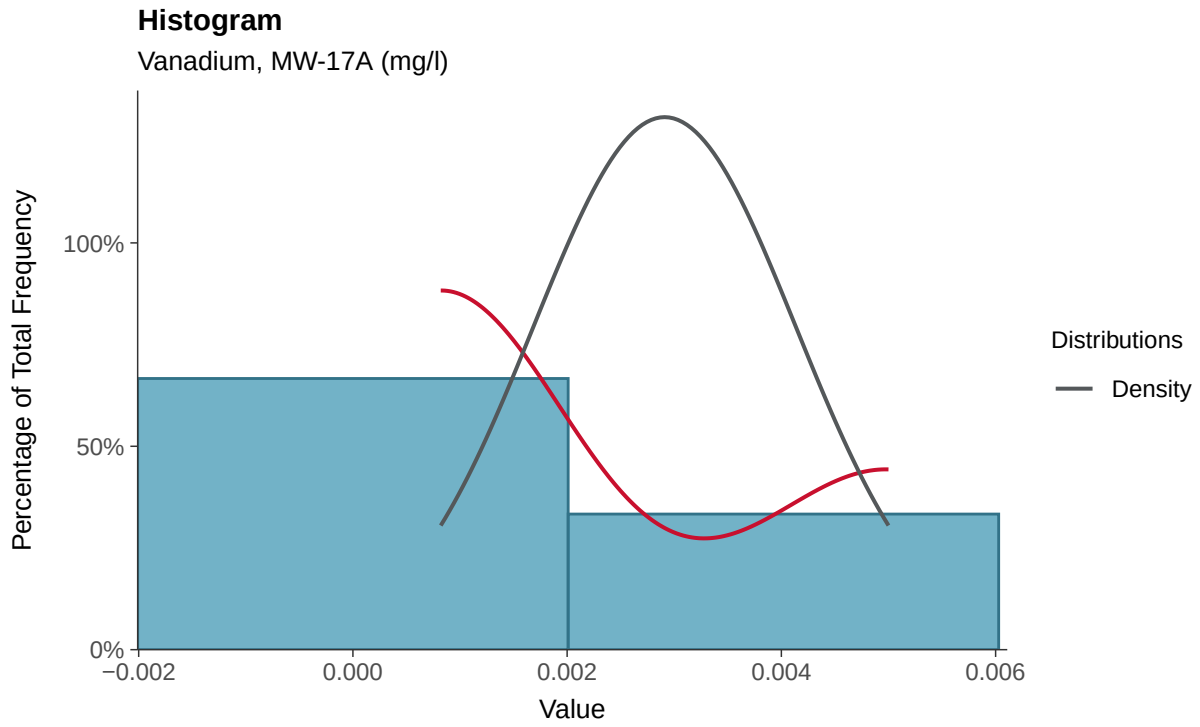
Silver, MW-17A (mg/l)



Part 115: Vanadium, MW-17A

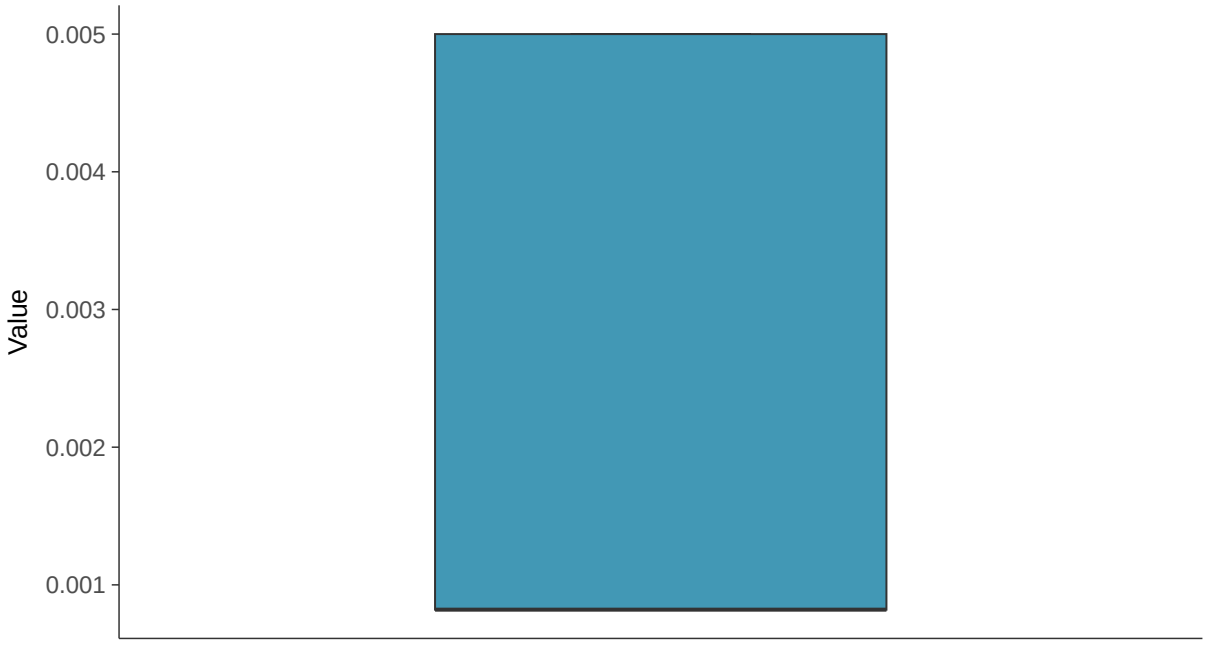
ID: 25_5_128





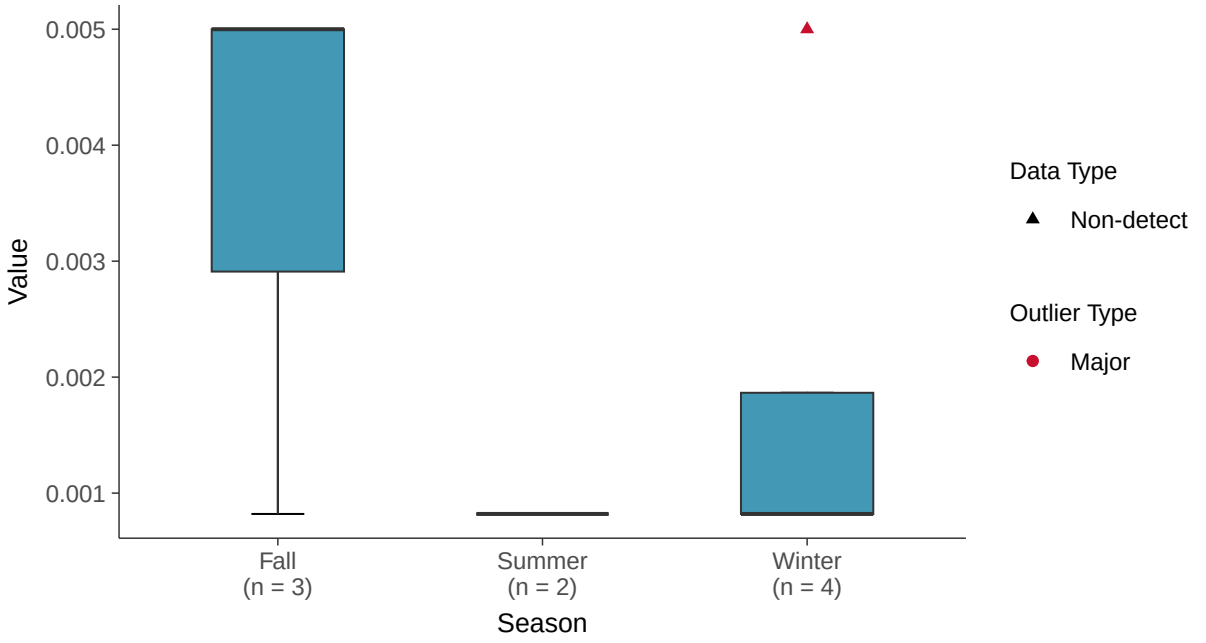
Boxplot

Vanadium, MW-17A (mg/l)



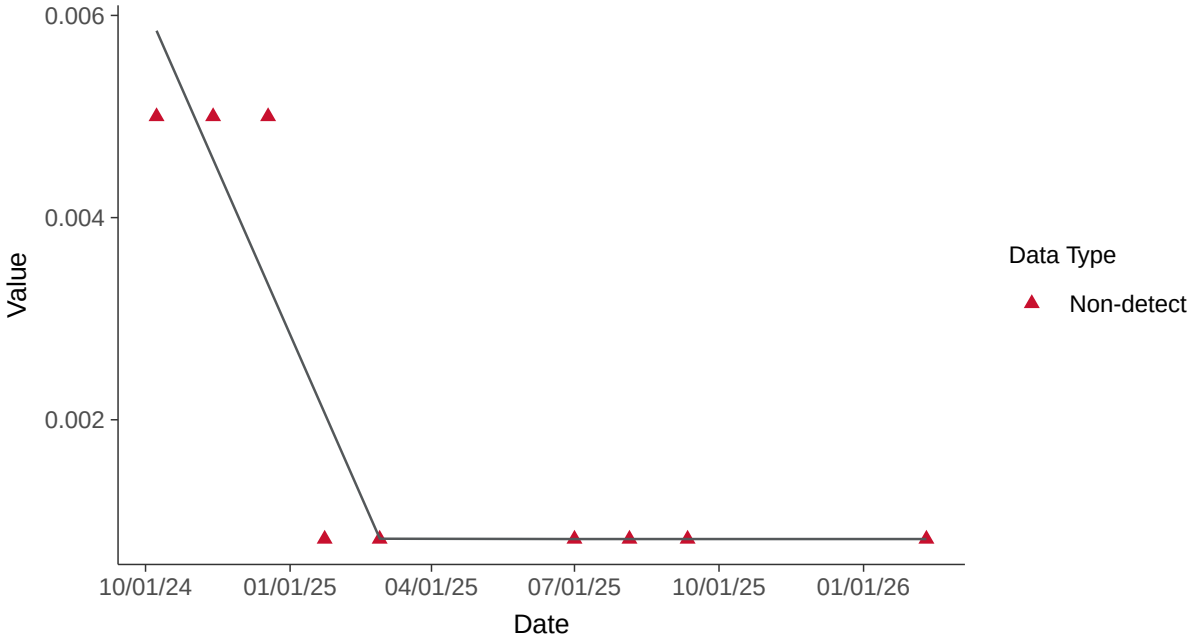
Boxplot by Season

Vanadium, MW-17A (mg/l)



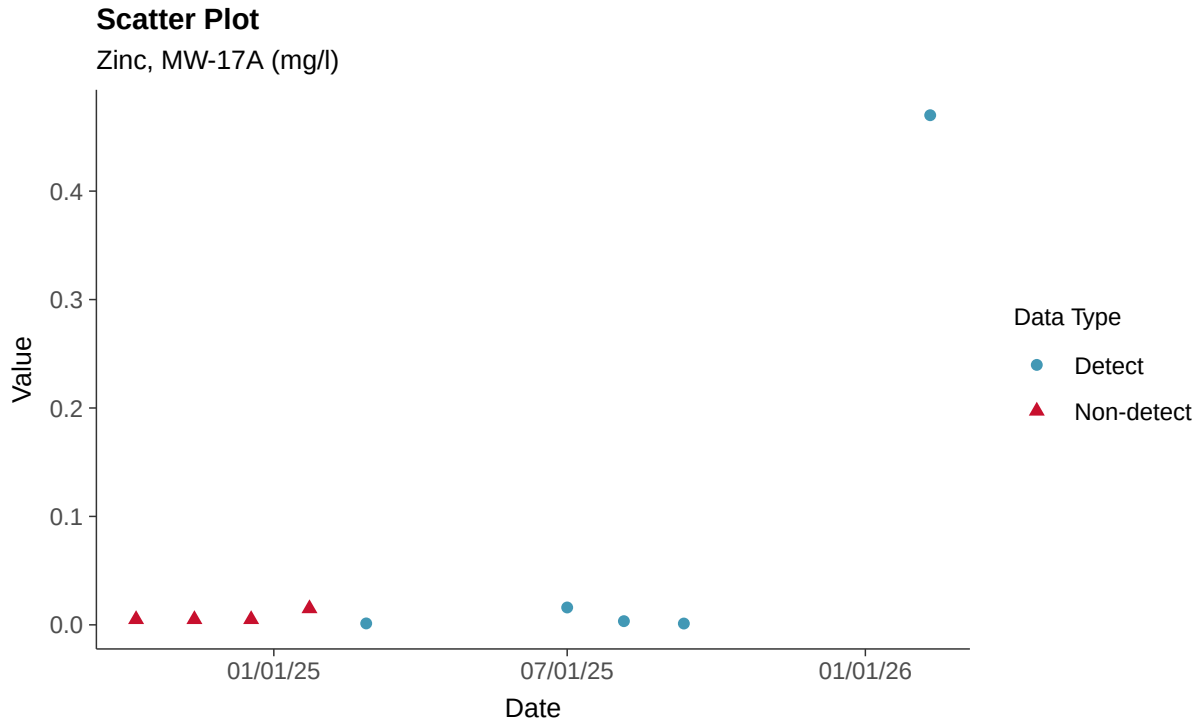
Trend Regression: Piecewise Linear-Linear

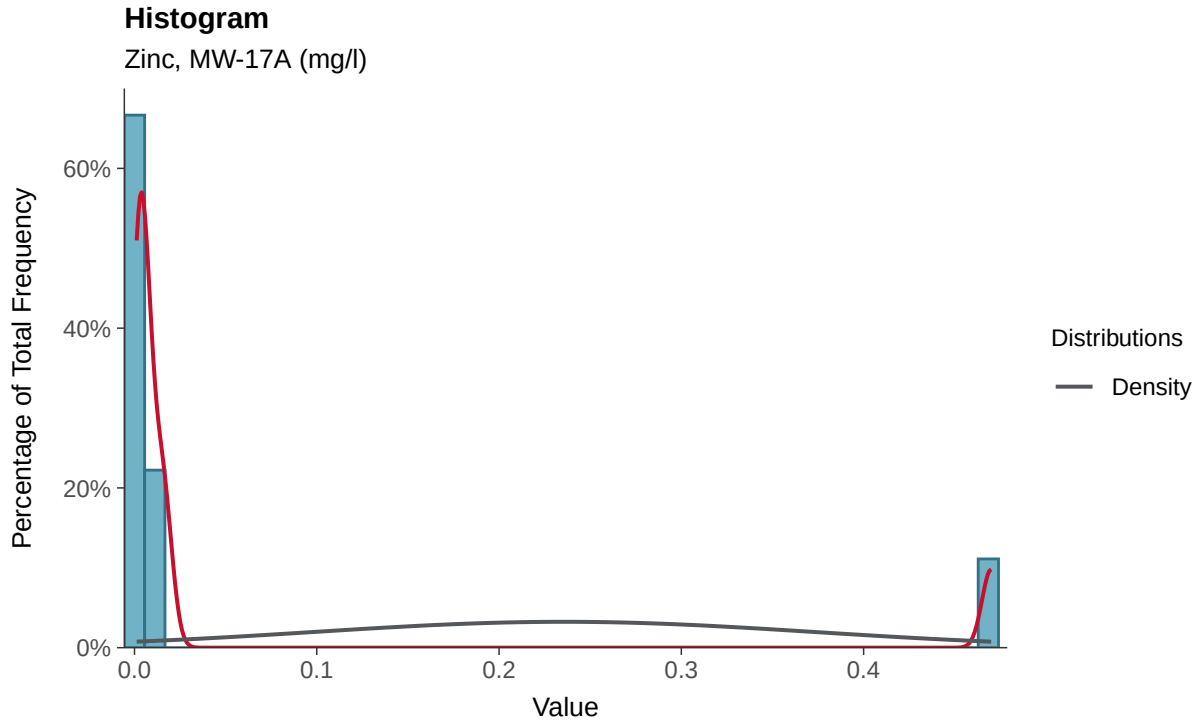
Vanadium, MW-17A (mg/l)



Part 115: Zinc, MW-17A

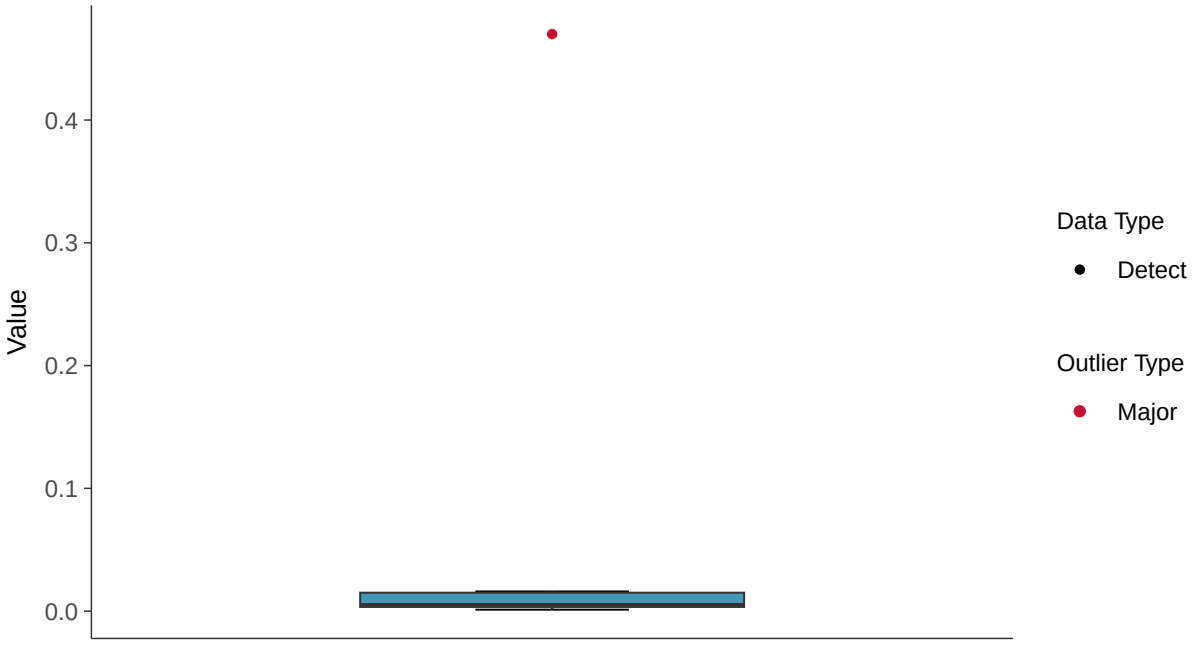
ID: 25_5_129





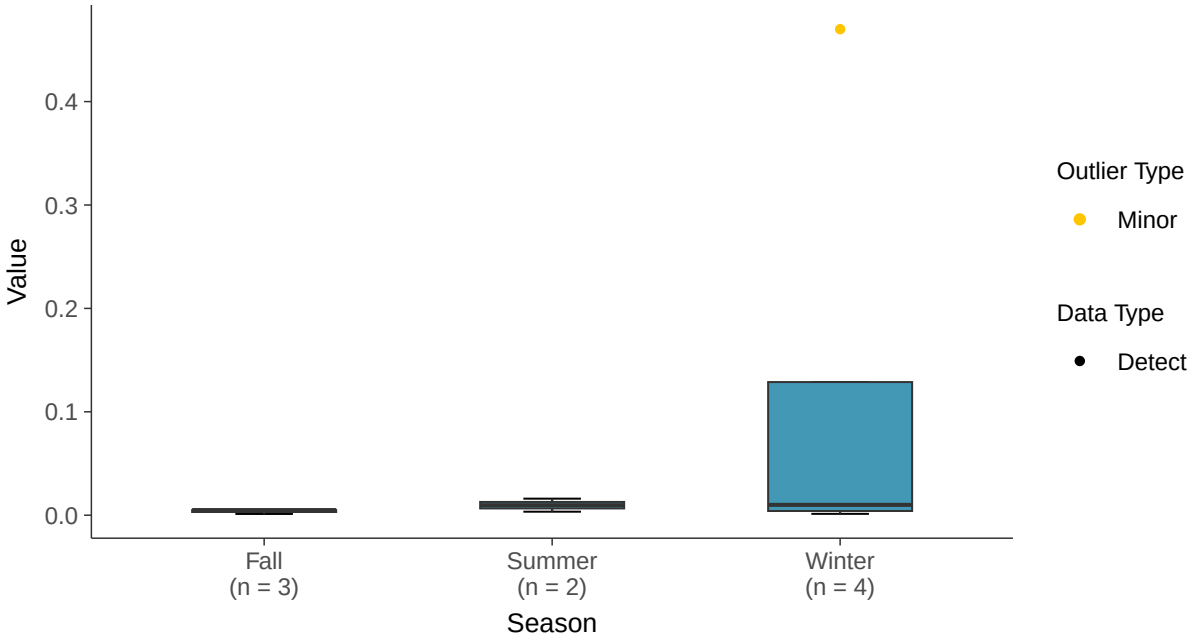
Boxplot

Zinc, MW-17A (mg/l)



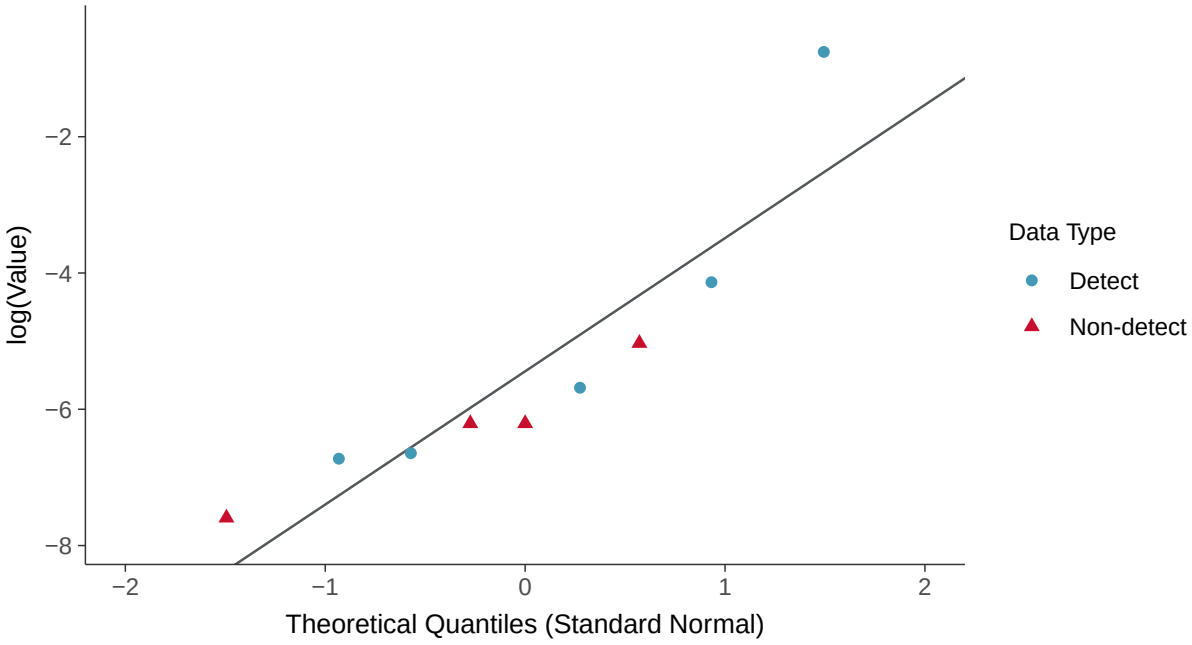
Boxplot by Season

Zinc, MW-17A (mg/l)



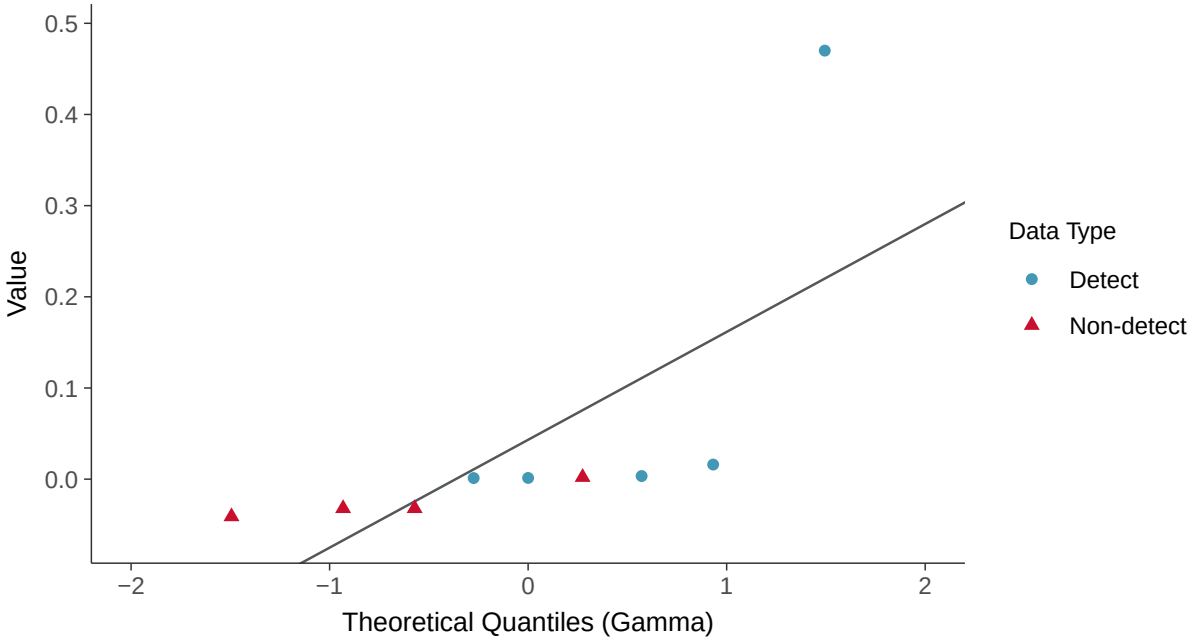
Lognormal Q-Q plot using ROS Imputed Estimates

Zinc, MW-17A (mg/l)



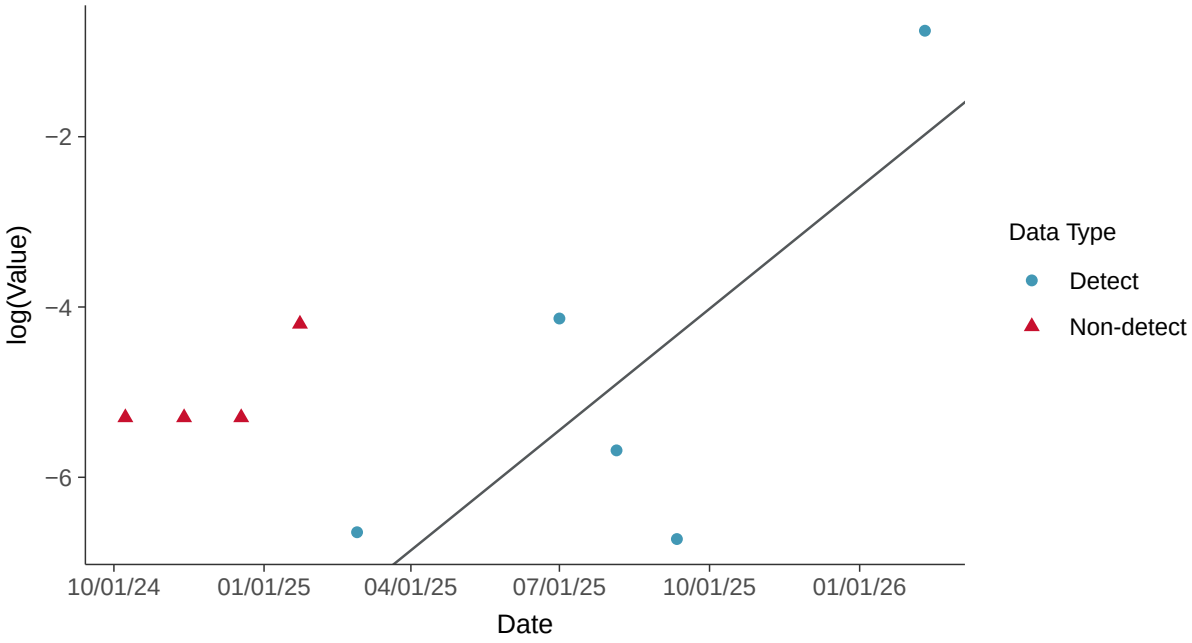
Gamma Q-Q plot using ROS Imputed Estimates

Zinc, MW-17A (mg/l)



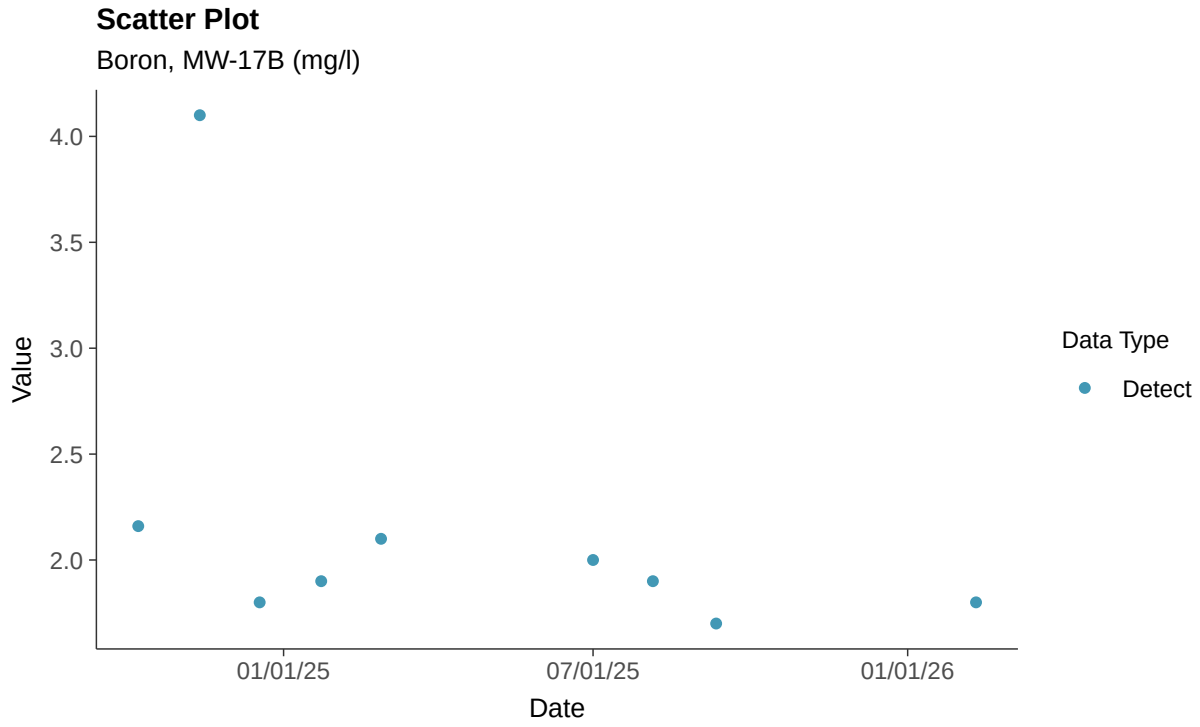
Trend Regression: Lognormal MLE

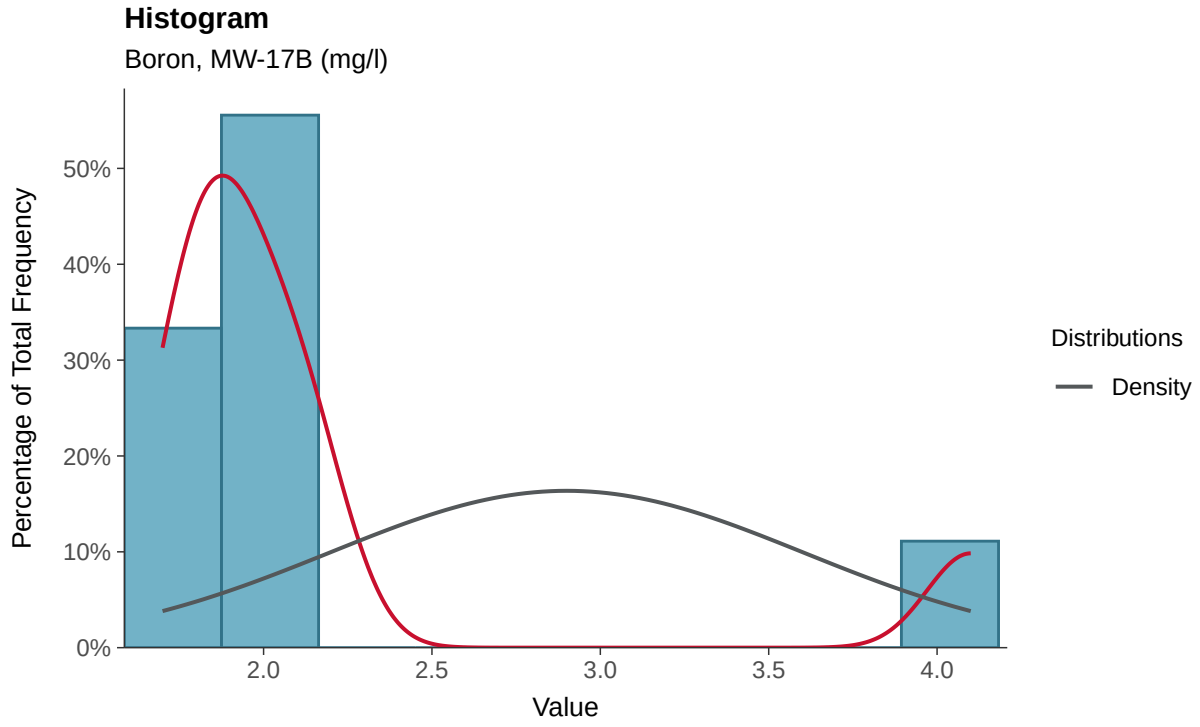
Zinc, MW-17A (mg/l)



Appendix III: Boron, MW-17B

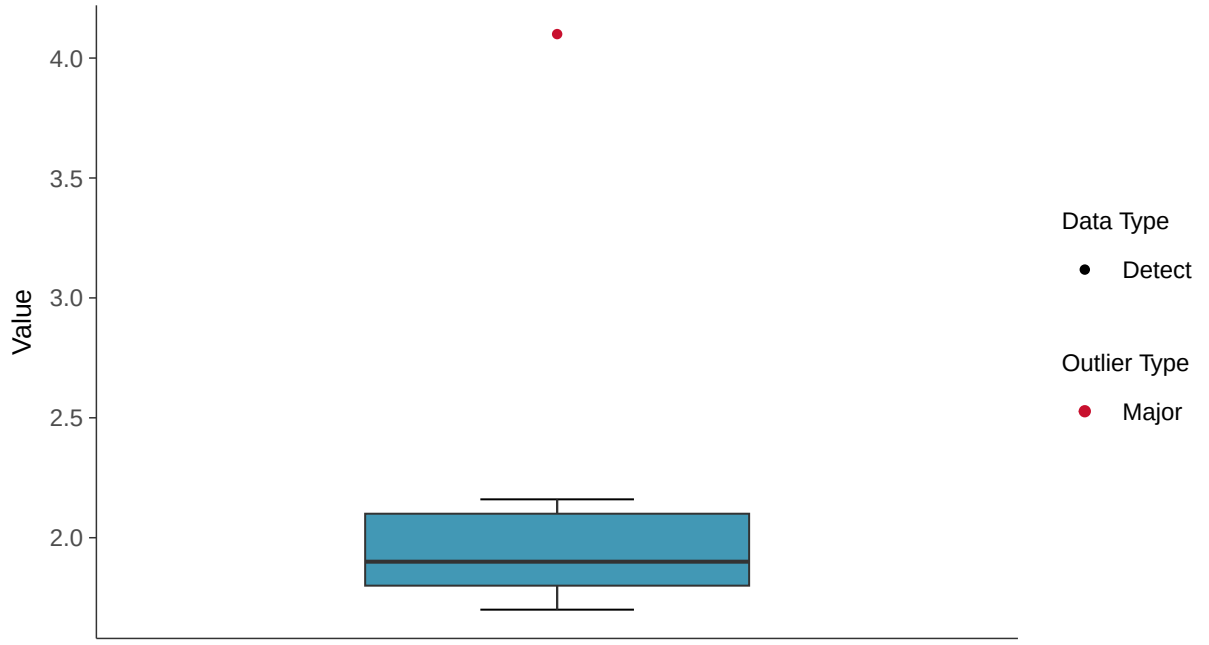
ID: 26_2_105





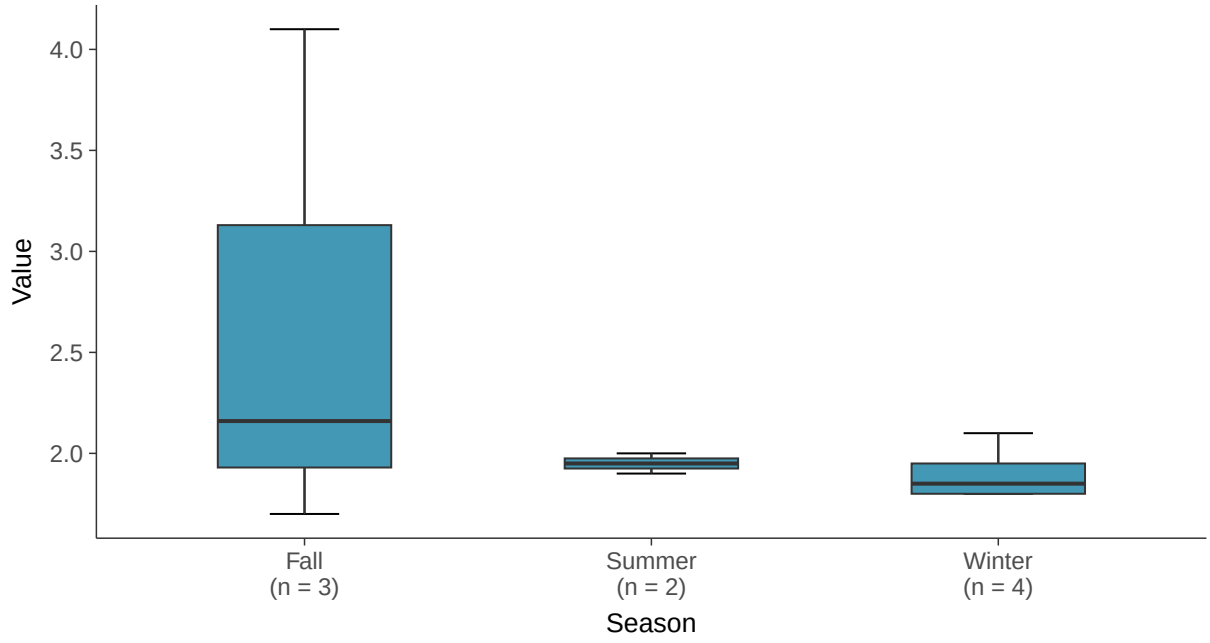
Boxplot

Boron, MW-17B (mg/l)



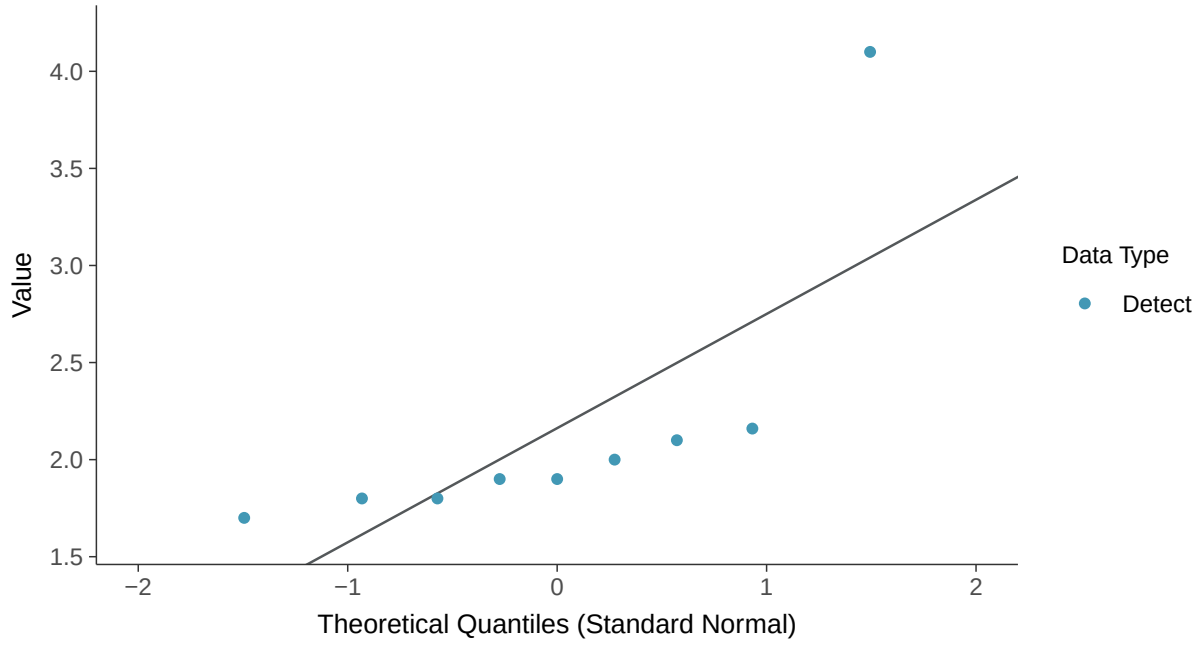
Boxplot by Season

Boron, MW-17B (mg/l)



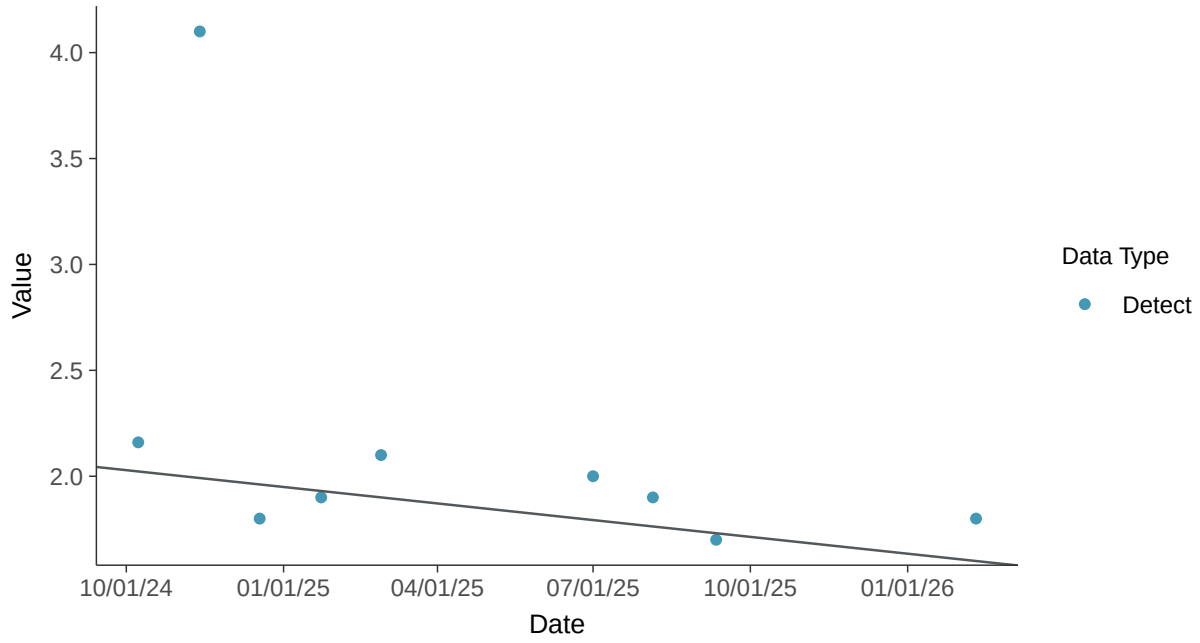
Normal Q-Q plot

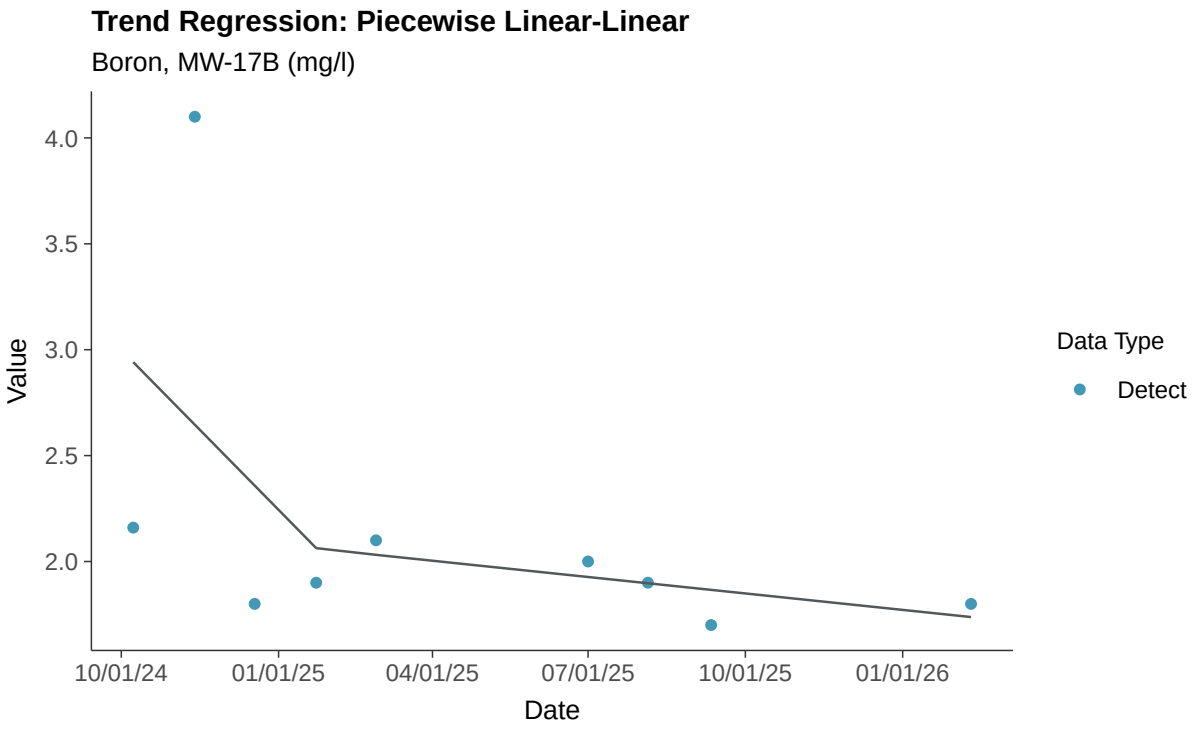
Boron, MW-17B (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

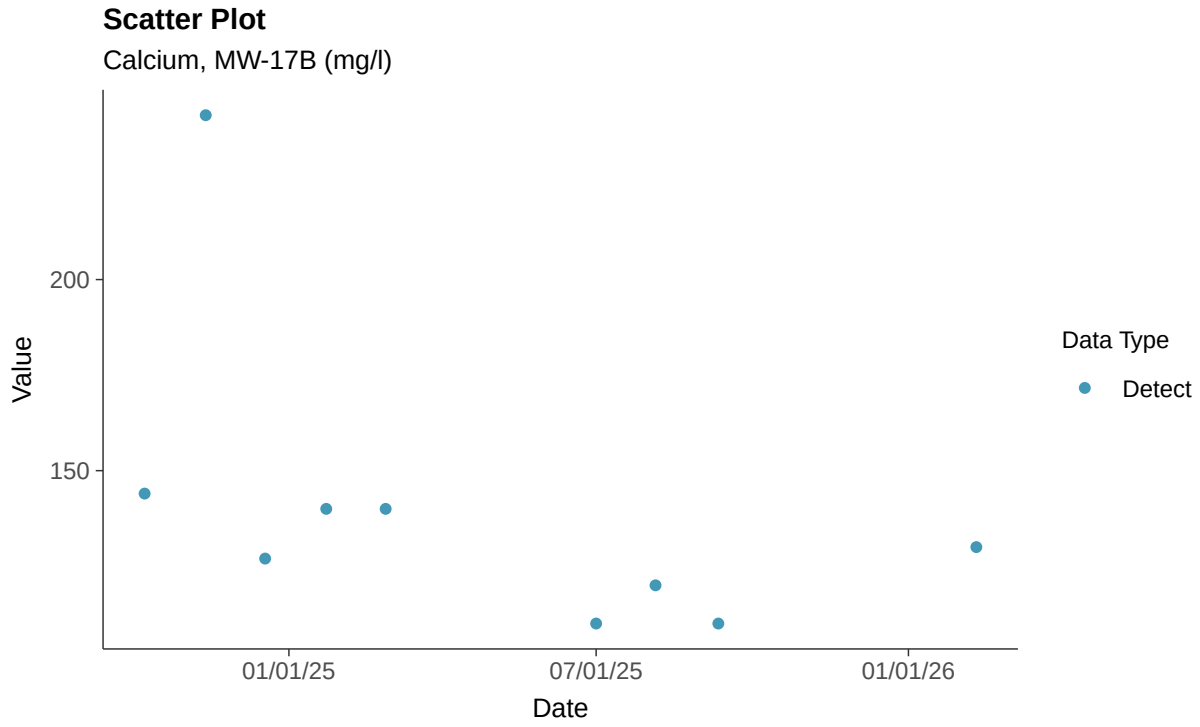
Boron, MW-17B (mg/l)

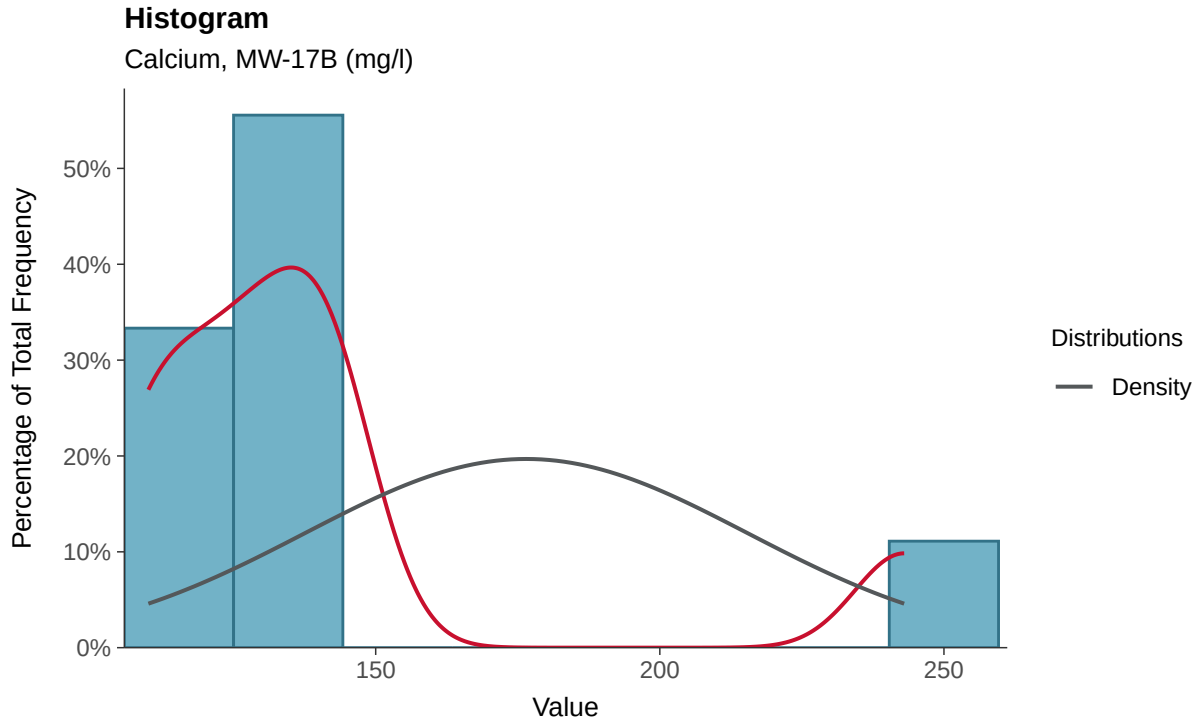



Trend Regression: Piecewise Linear-Linear
Boron, MW-17B (mg/l)
Value
4.0
3.5
3.0
2.5
2.0
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Calcium, MW-17B

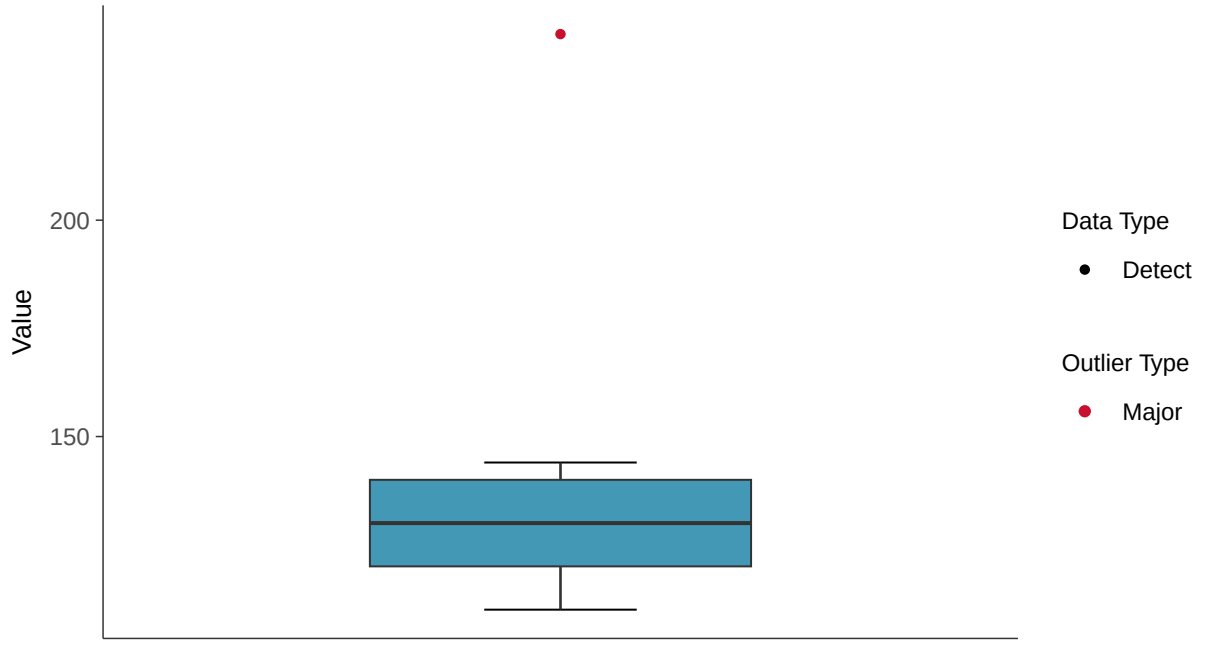
ID: 26_2_107





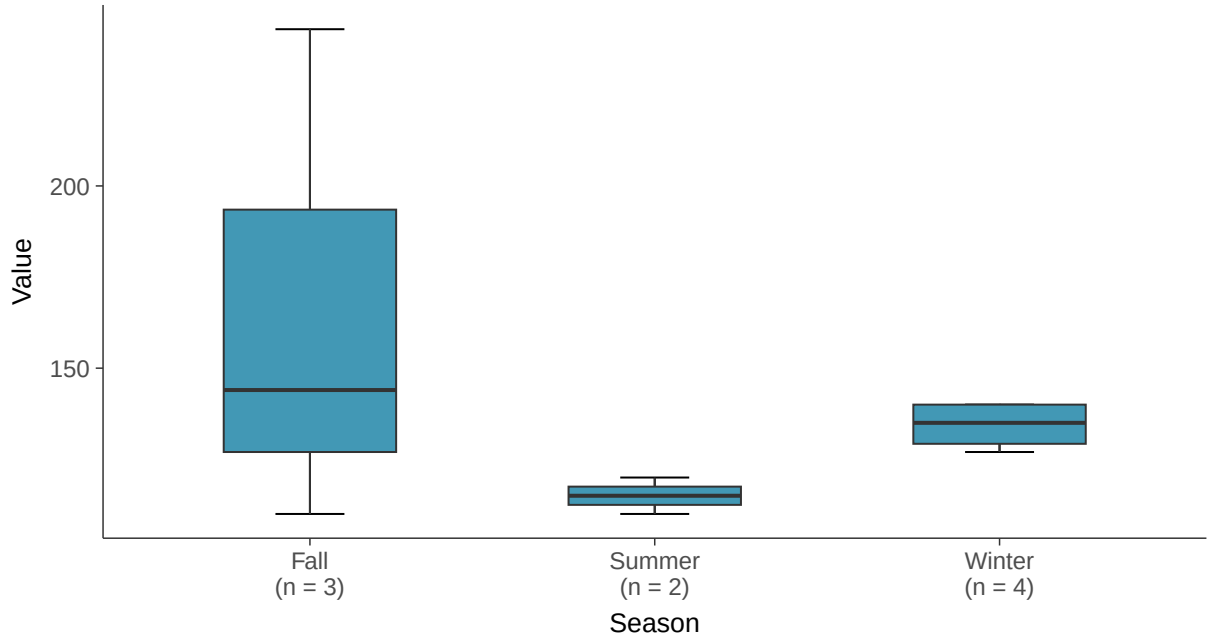
Boxplot

Calcium, MW-17B (mg/l)



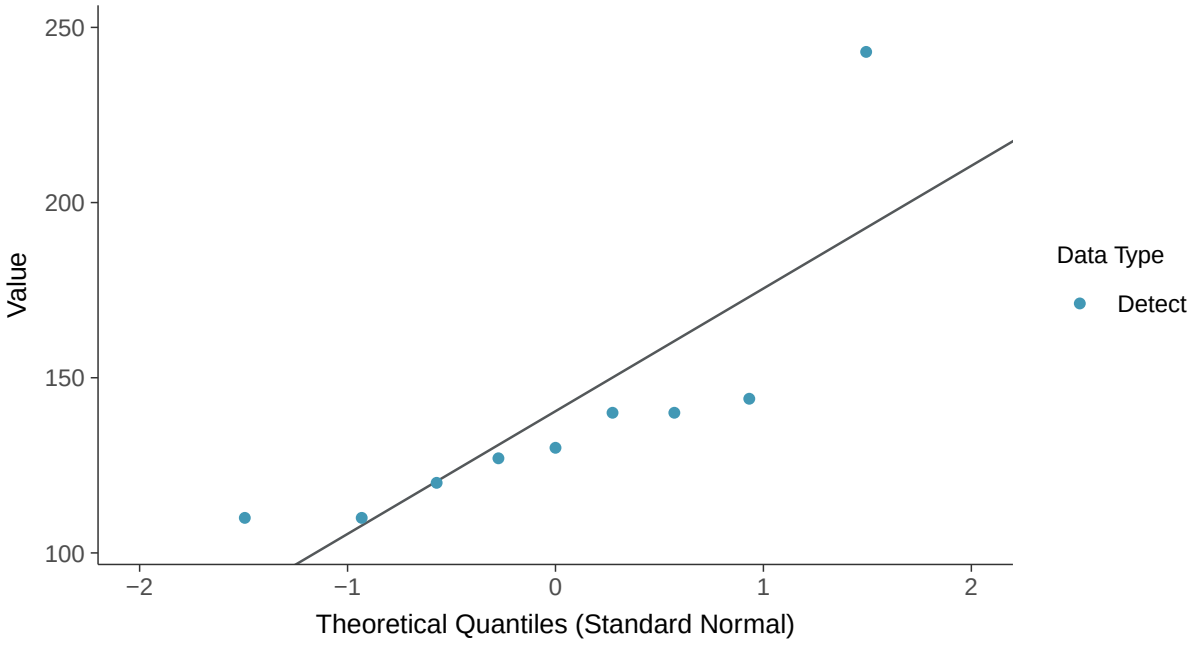
Boxplot by Season

Calcium, MW-17B (mg/l)



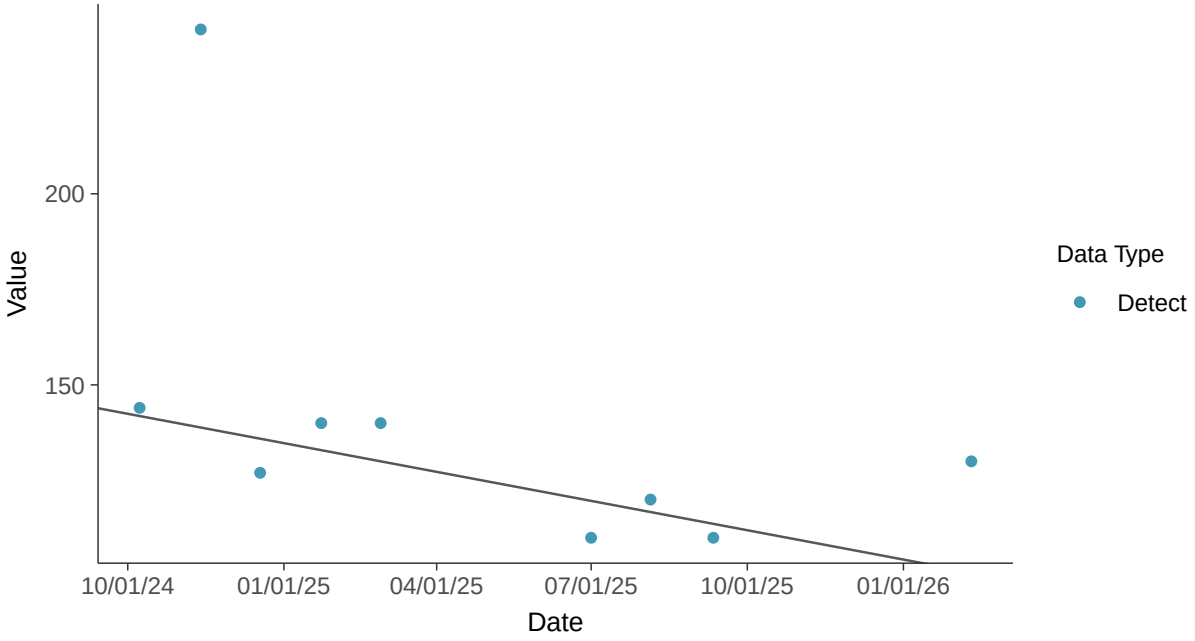
Normal Q-Q plot

Calcium, MW-17B (mg/l)



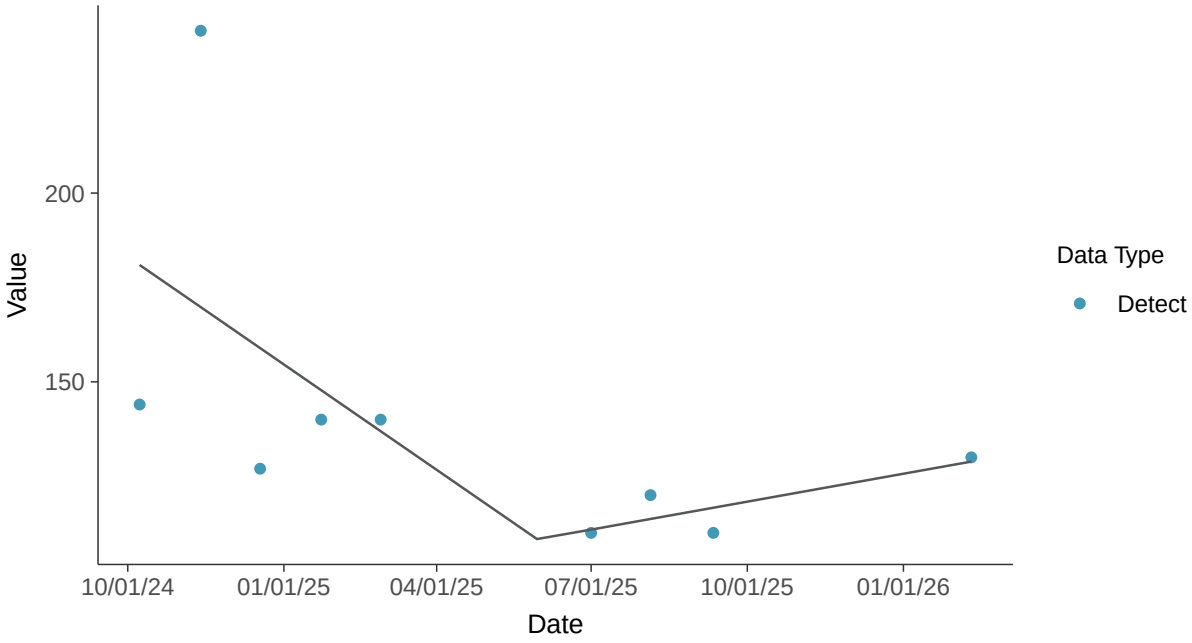
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Calcium, MW-17B (mg/l)



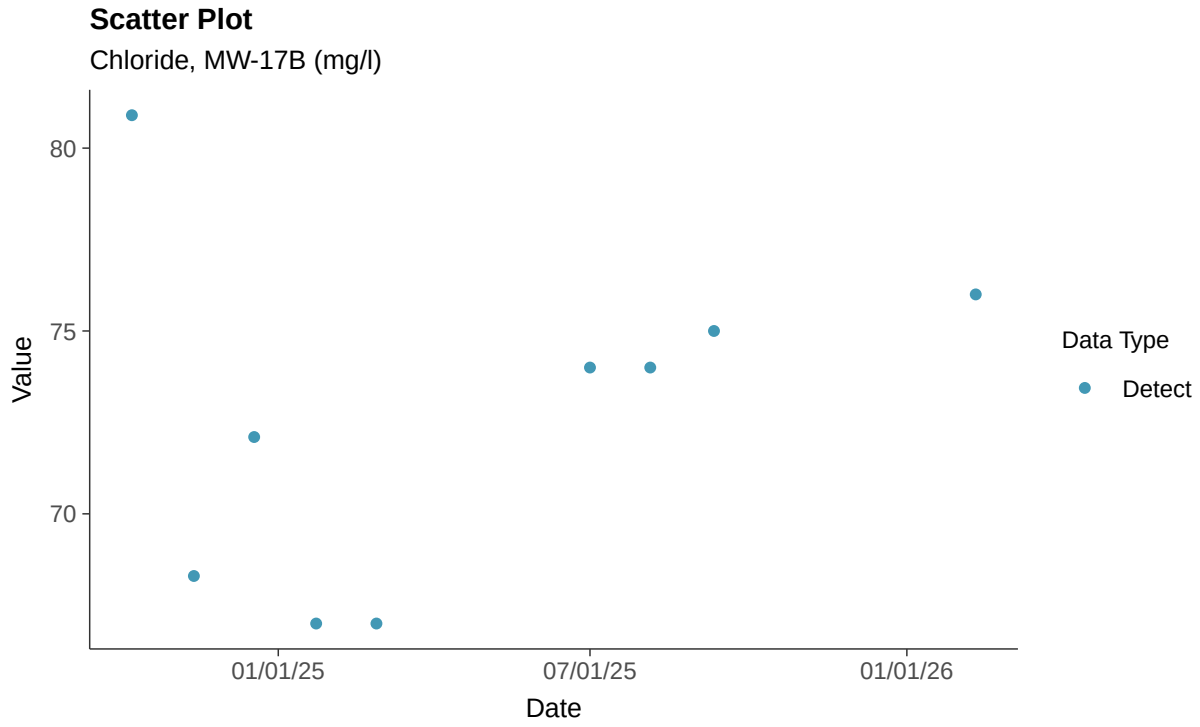
Trend Regression: Piecewise Linear-Linear

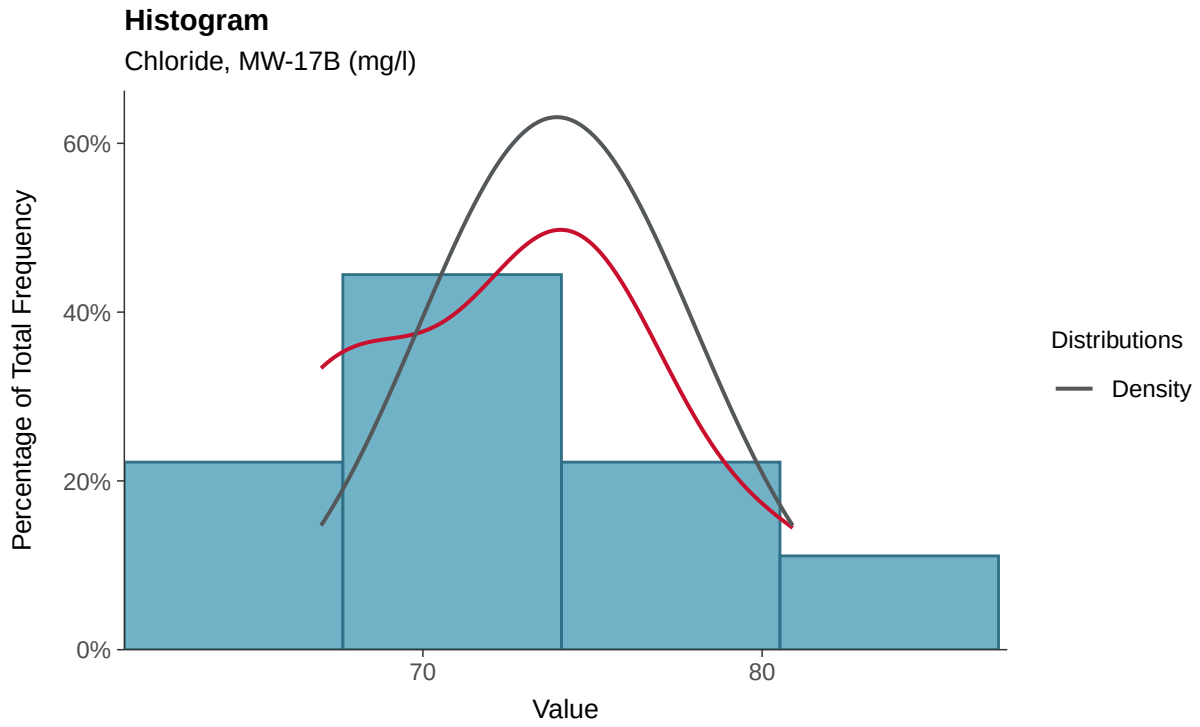
Calcium, MW-17B (mg/l)



Appendix III: Chloride, MW-17B

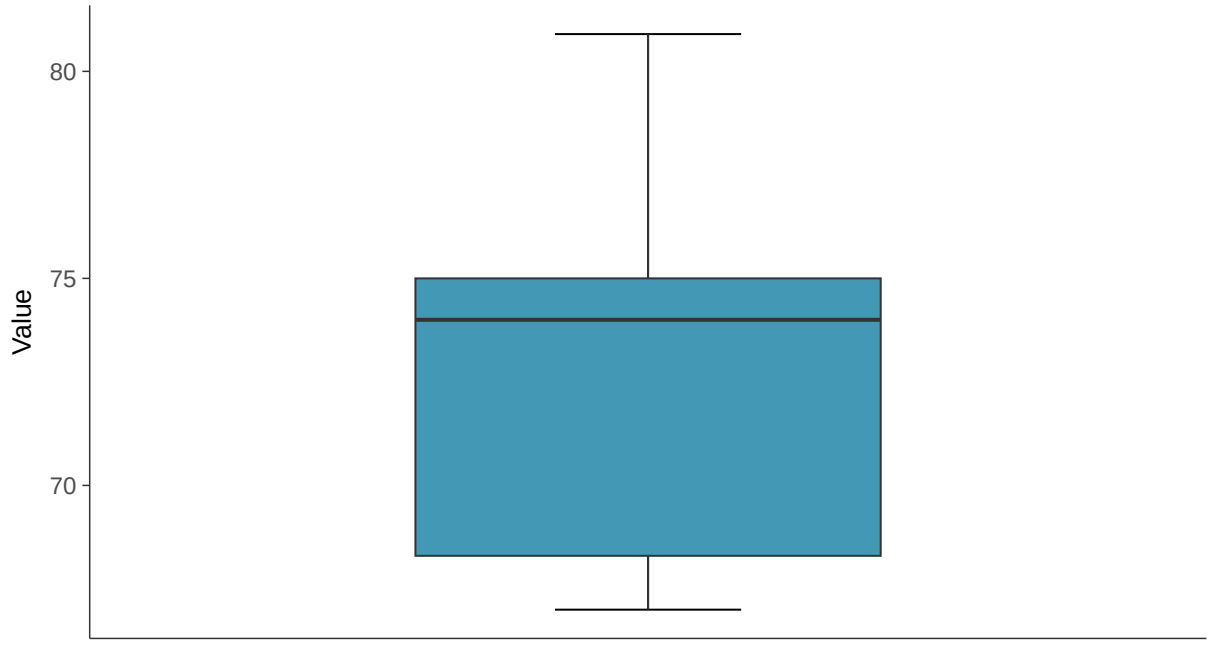
ID: 26_2_108





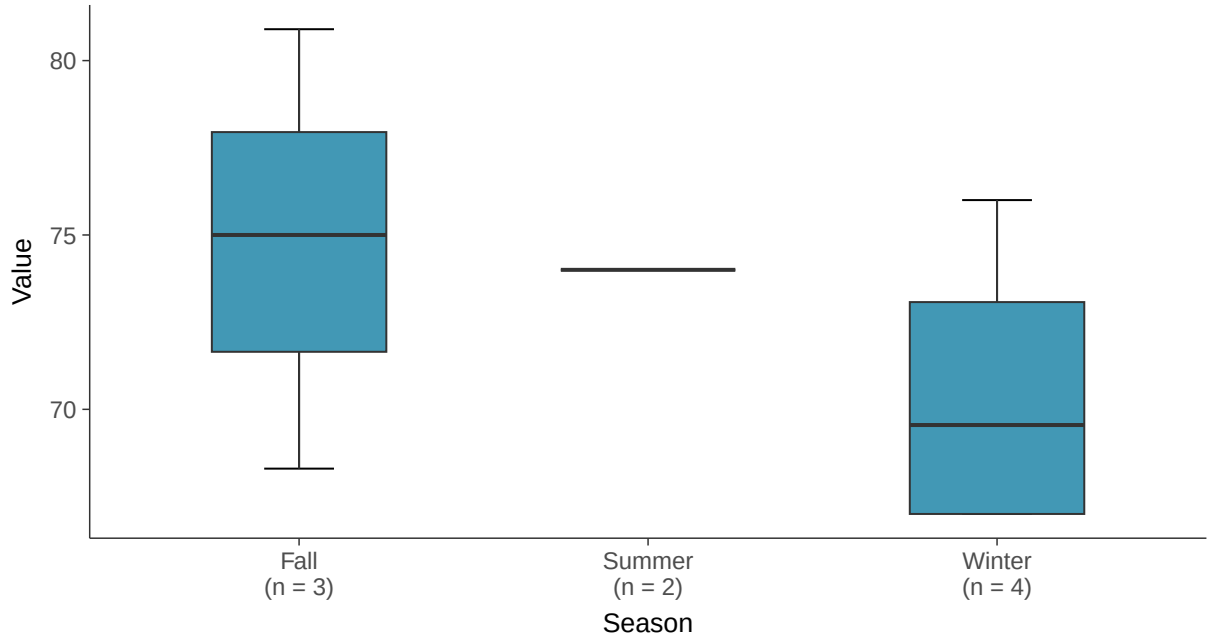
Boxplot

Chloride, MW-17B (mg/l)



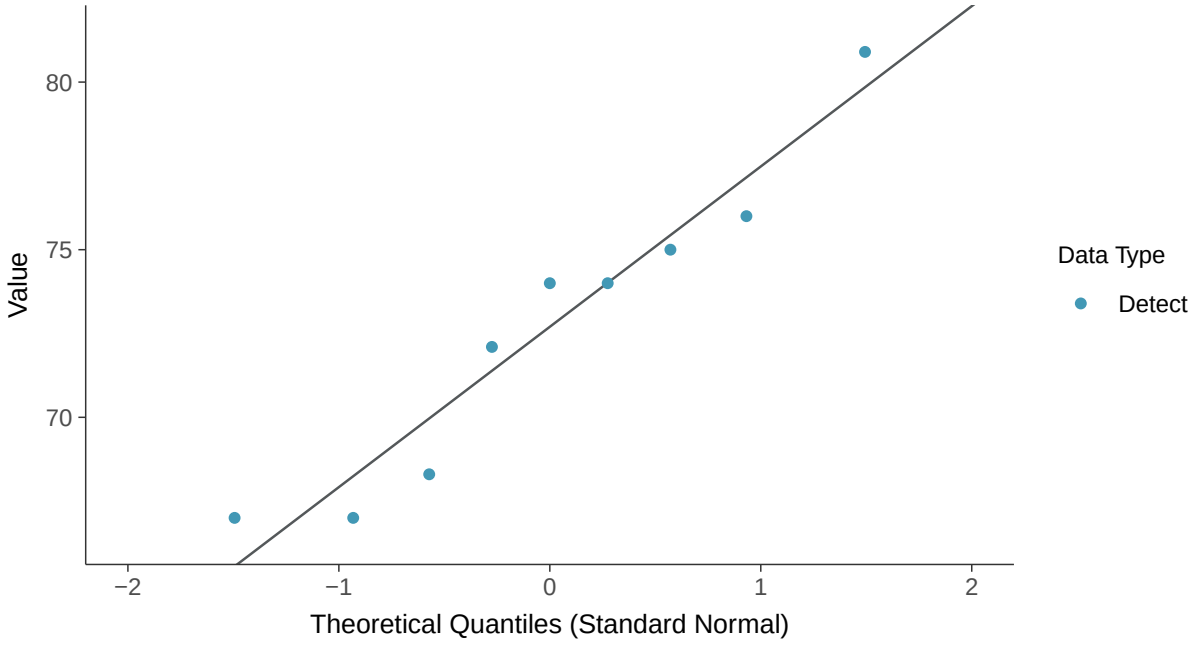
Boxplot by Season

Chloride, MW-17B (mg/l)



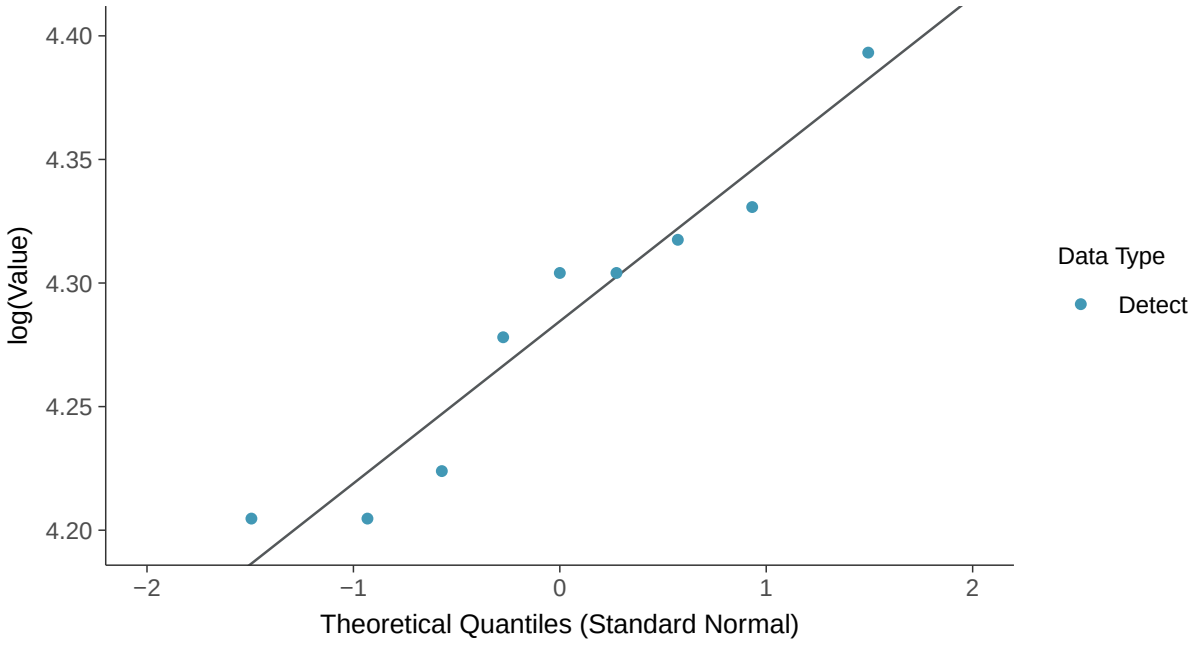
Normal Q-Q plot

Chloride, MW-17B (mg/l)



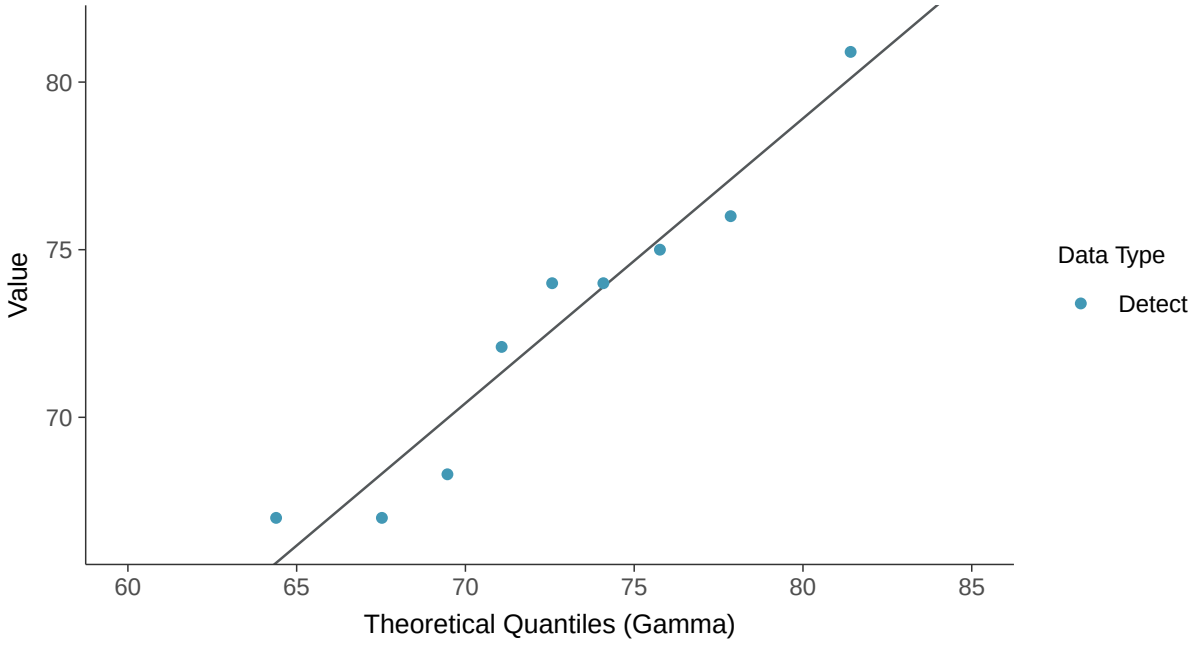
Lognormal Q-Q plot

Chloride, MW-17B (mg/l)



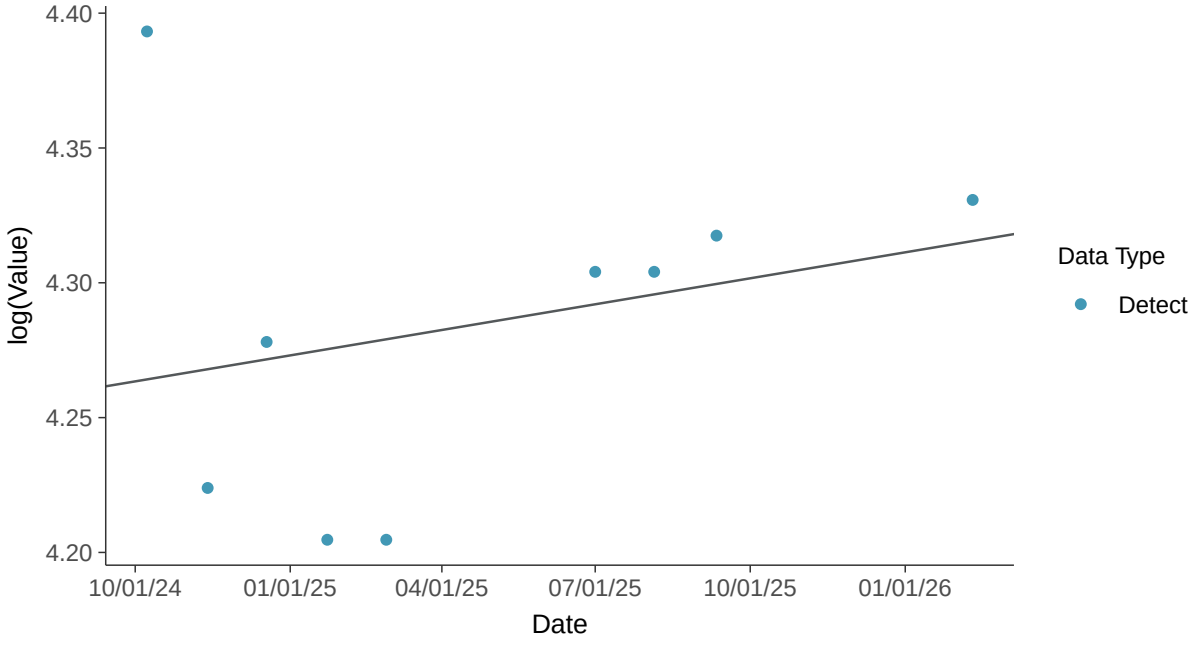
Gamma Q-Q plot

Chloride, MW-17B (mg/l)



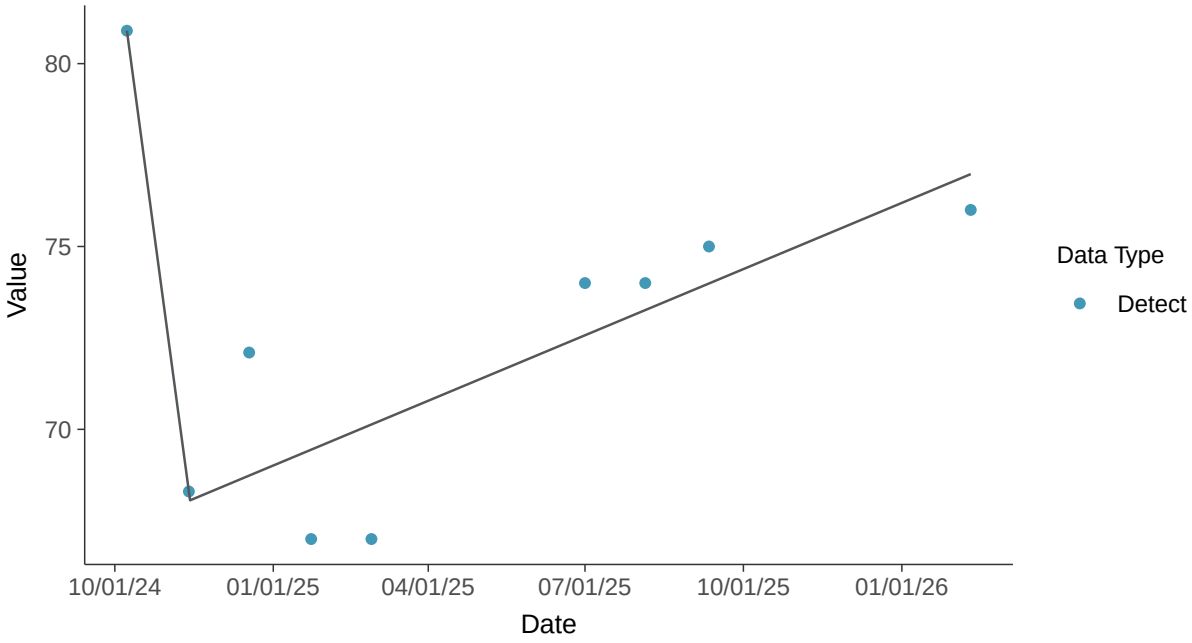
Trend Regression: Lognormal MLE

Chloride, MW-17B (mg/l)



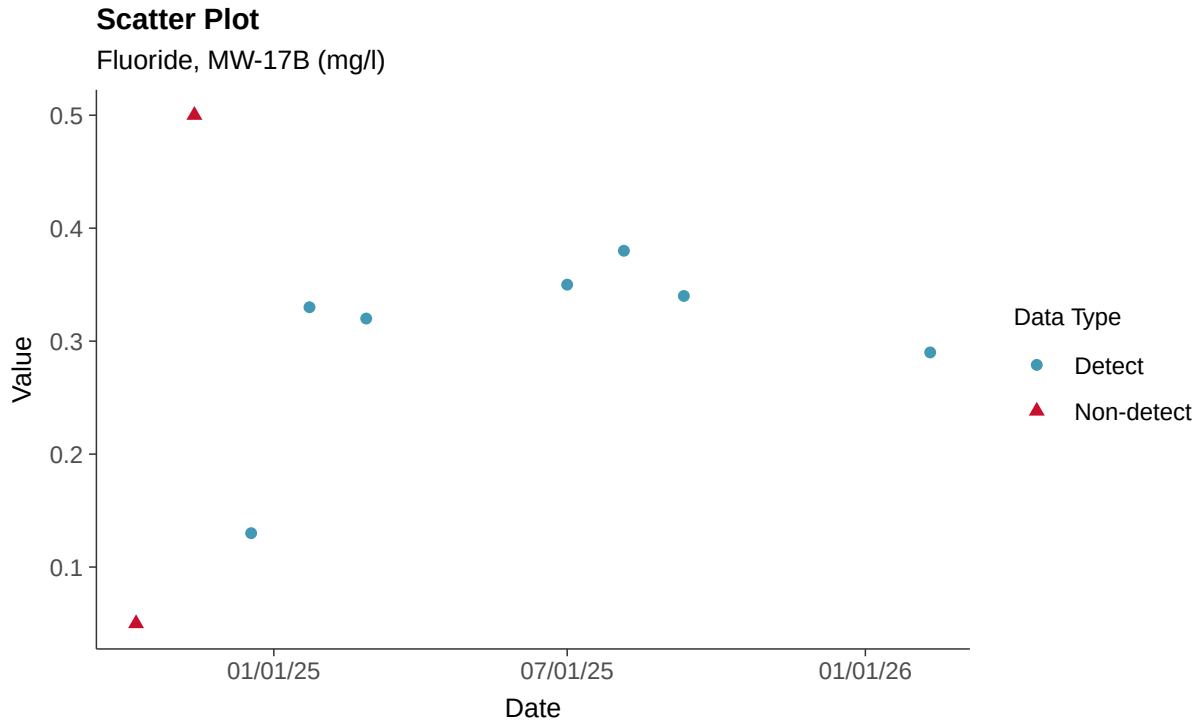
Trend Regression: Piecewise Linear-Linear

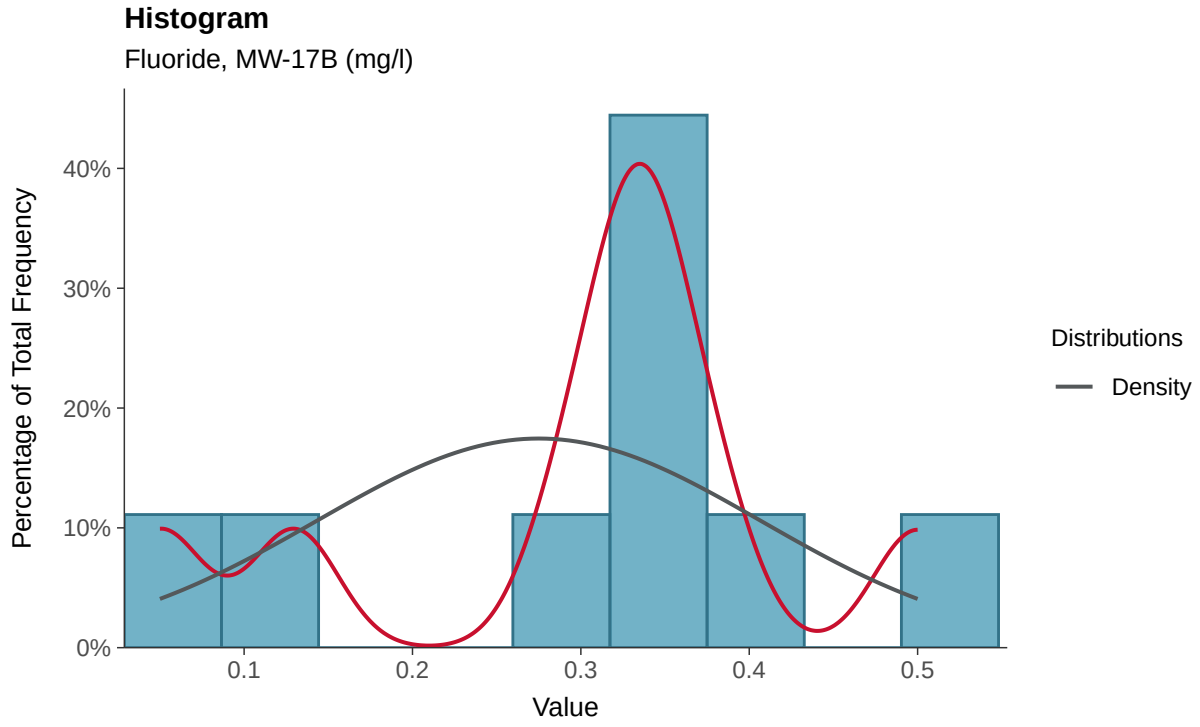
Chloride, MW-17B (mg/l)



Appendix III: Fluoride, MW-17B

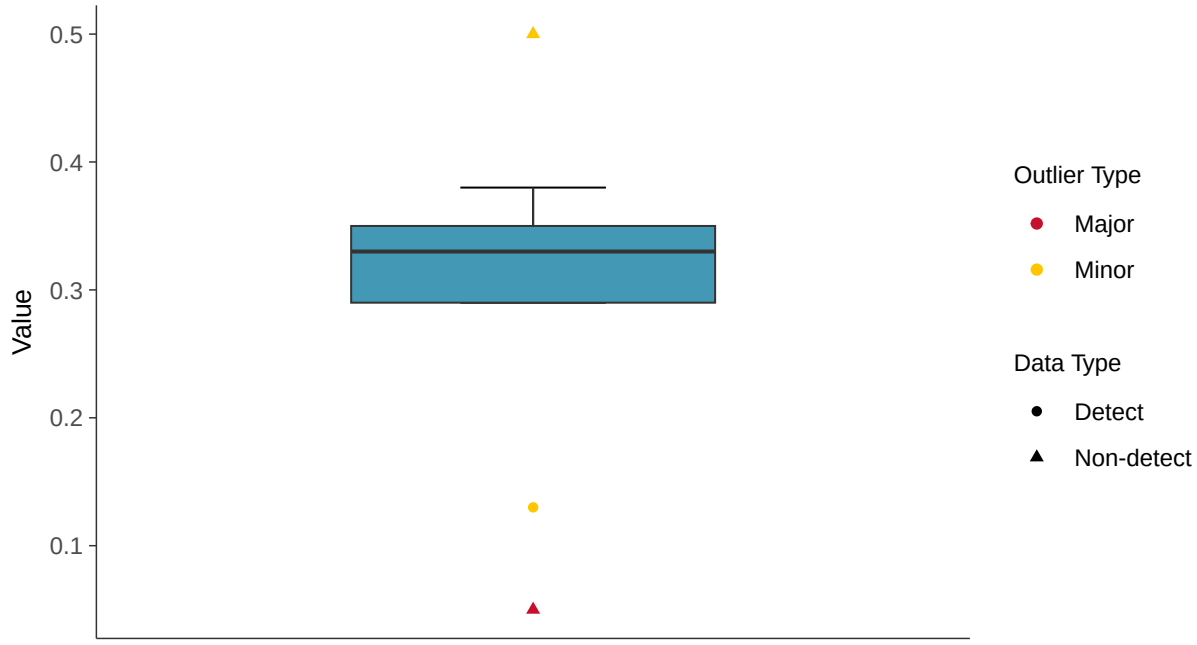
ID: 26_2_112





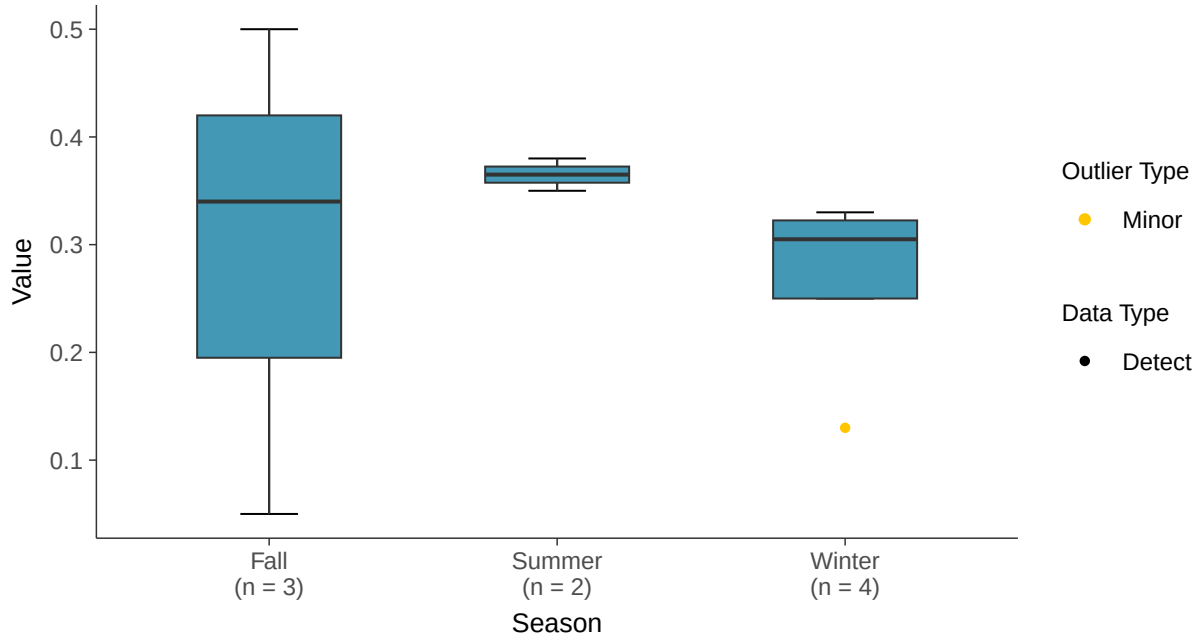
Boxplot

Fluoride, MW-17B (mg/l)



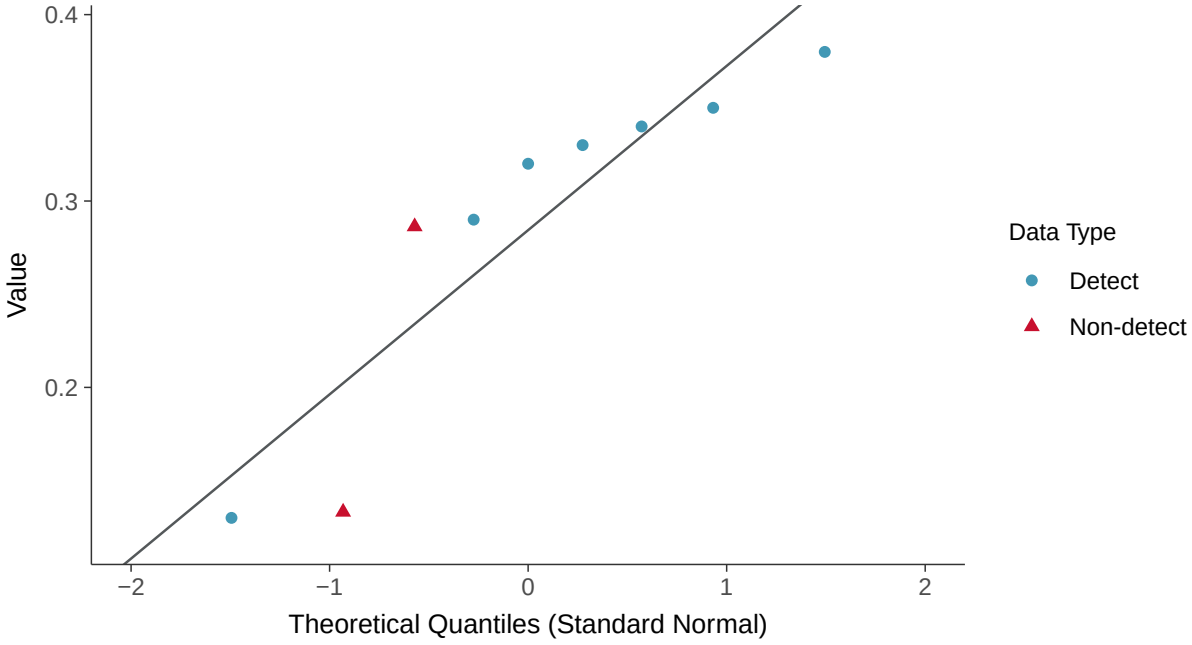
Boxplot by Season

Fluoride, MW-17B (mg/l)



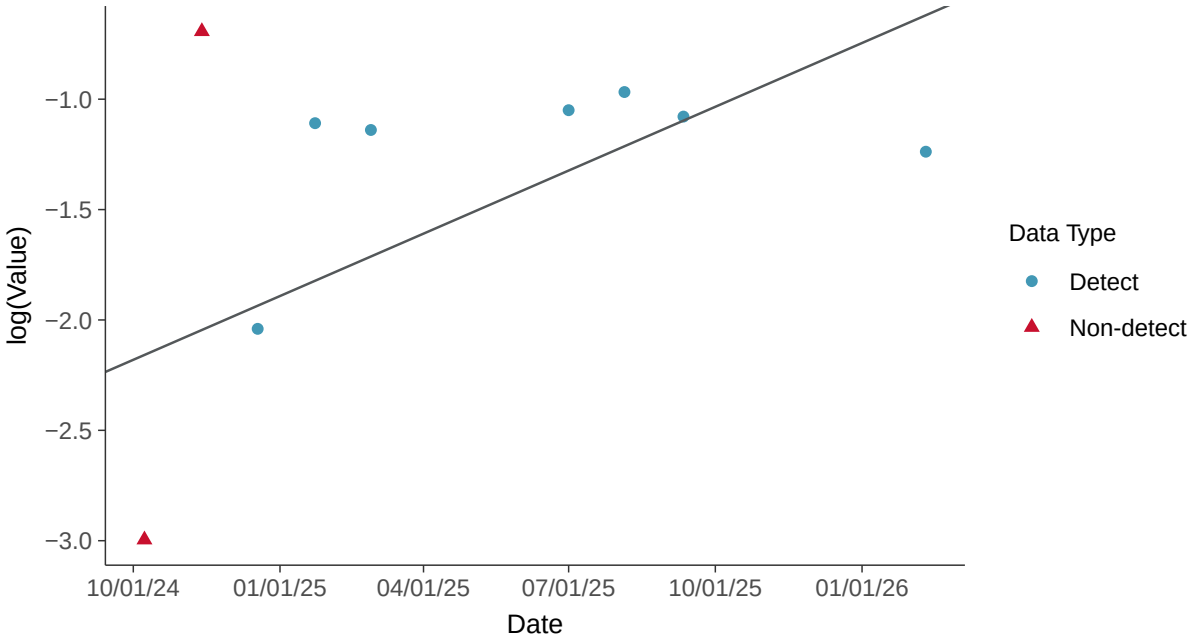
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-17B (mg/l)



Trend Regression: Lognormal MLE

Fluoride, MW-17B (mg/l)

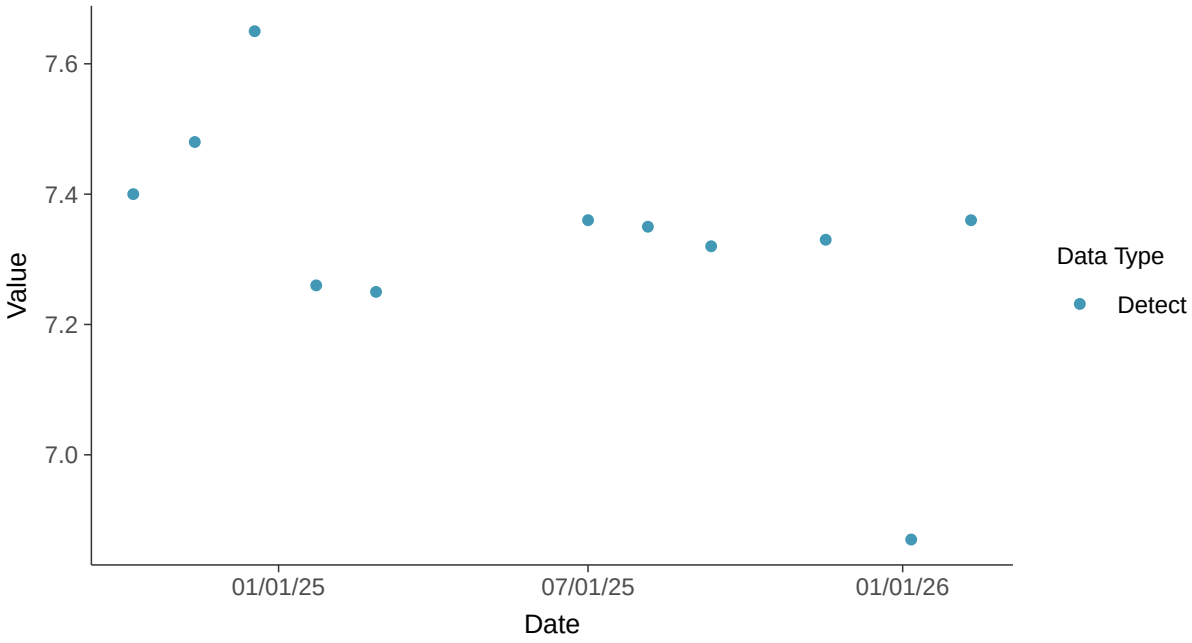


Appendix III: pH, Field, MW-17B

ID: 26_2_120

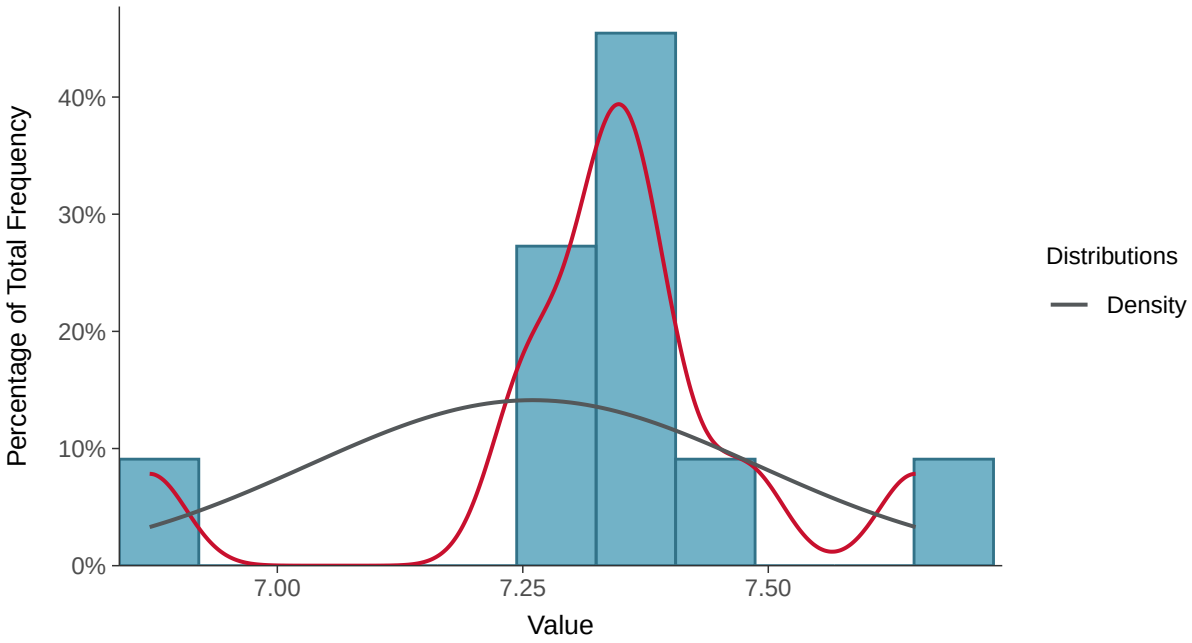
Scatter Plot

pH, Field, MW-17B (su)



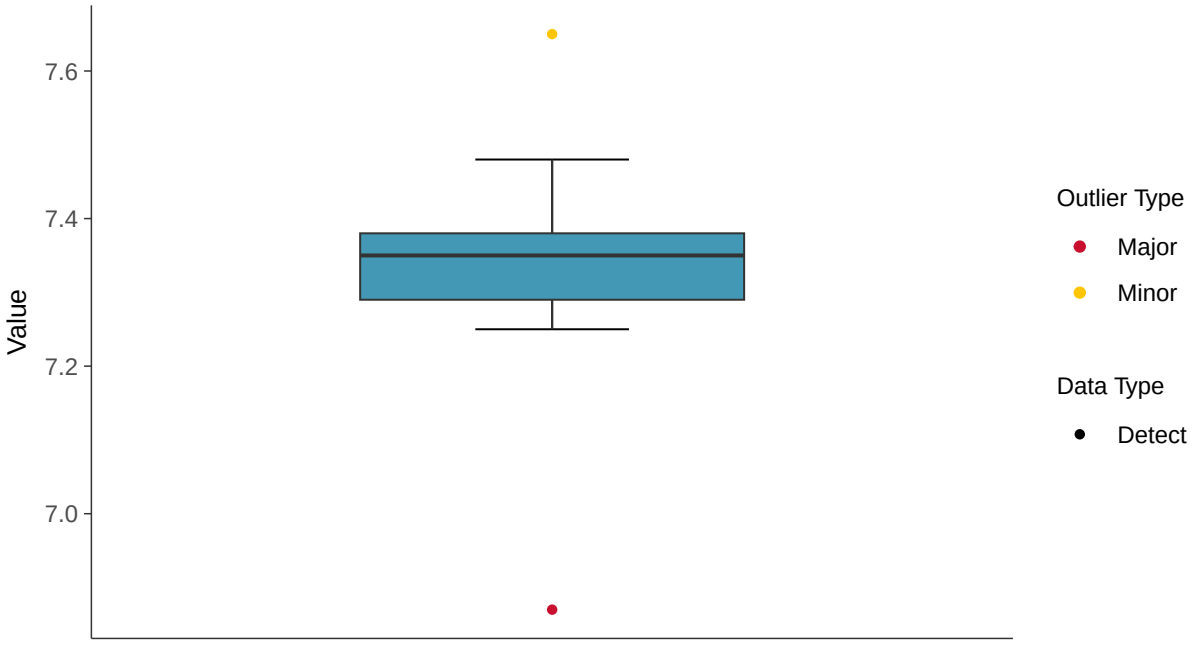
Histogram

pH, Field, MW-17B (su)



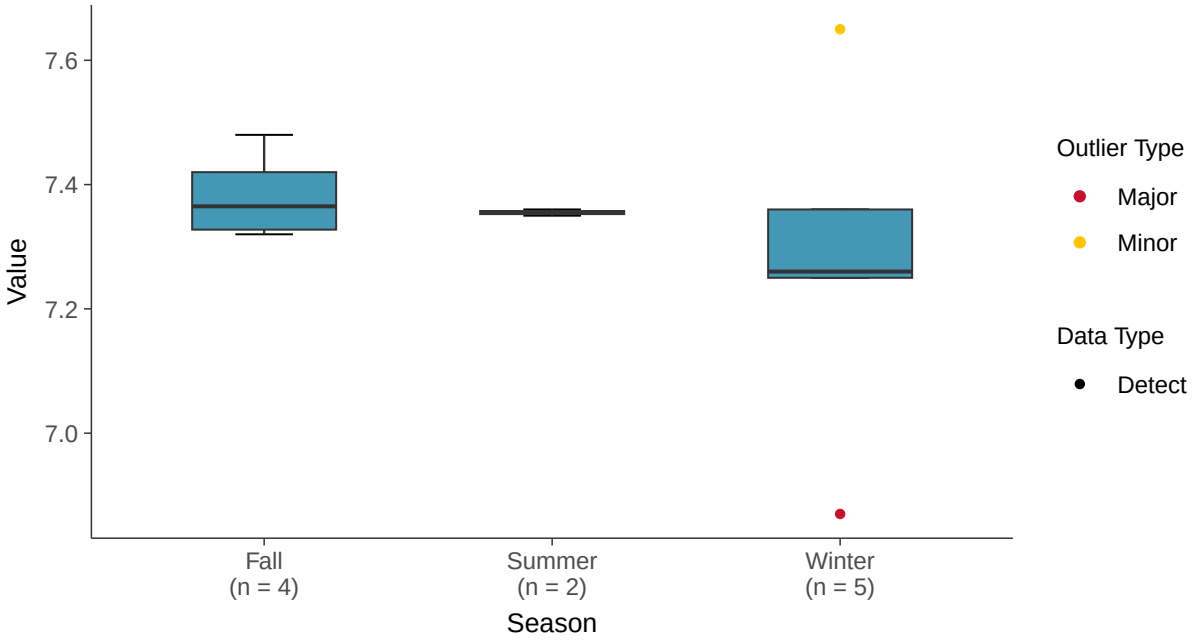
Boxplot

pH, Field, MW-17B (su)



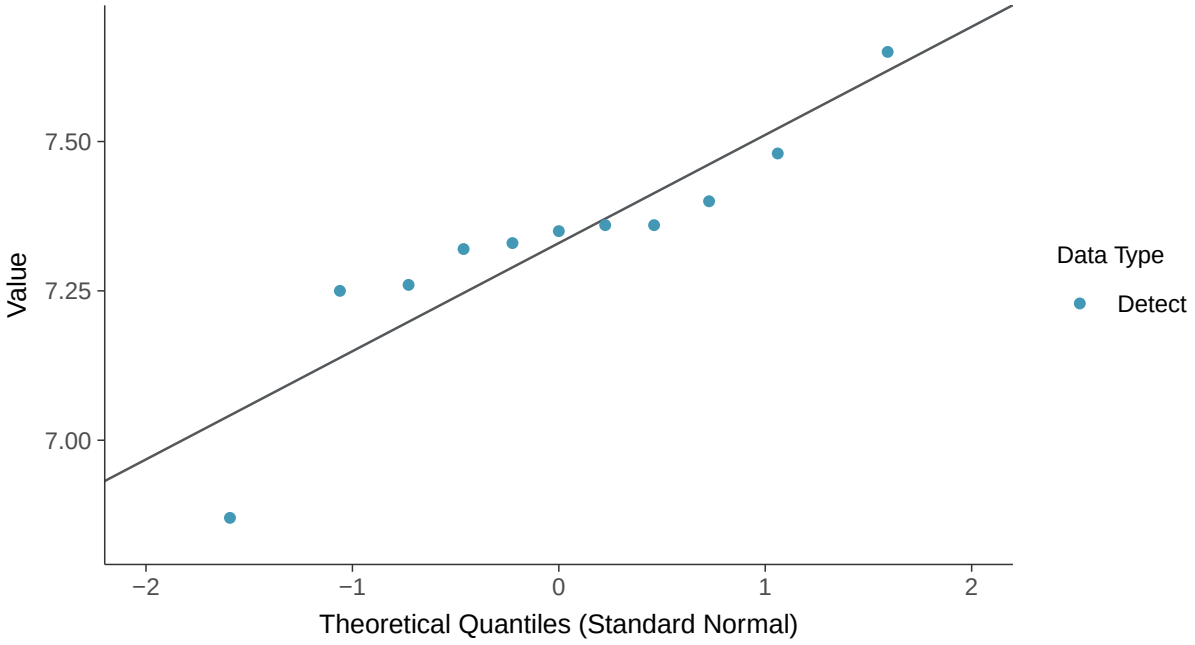
Boxplot by Season

pH, Field, MW-17B (su)



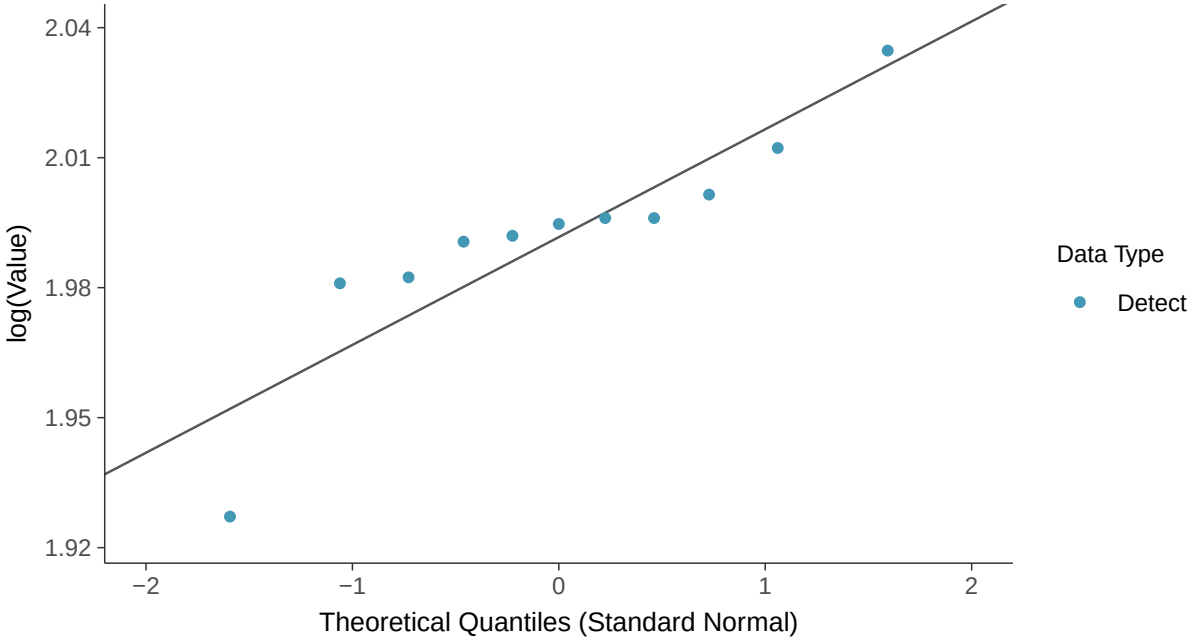
Normal Q-Q plot

pH, Field, MW-17B (su)



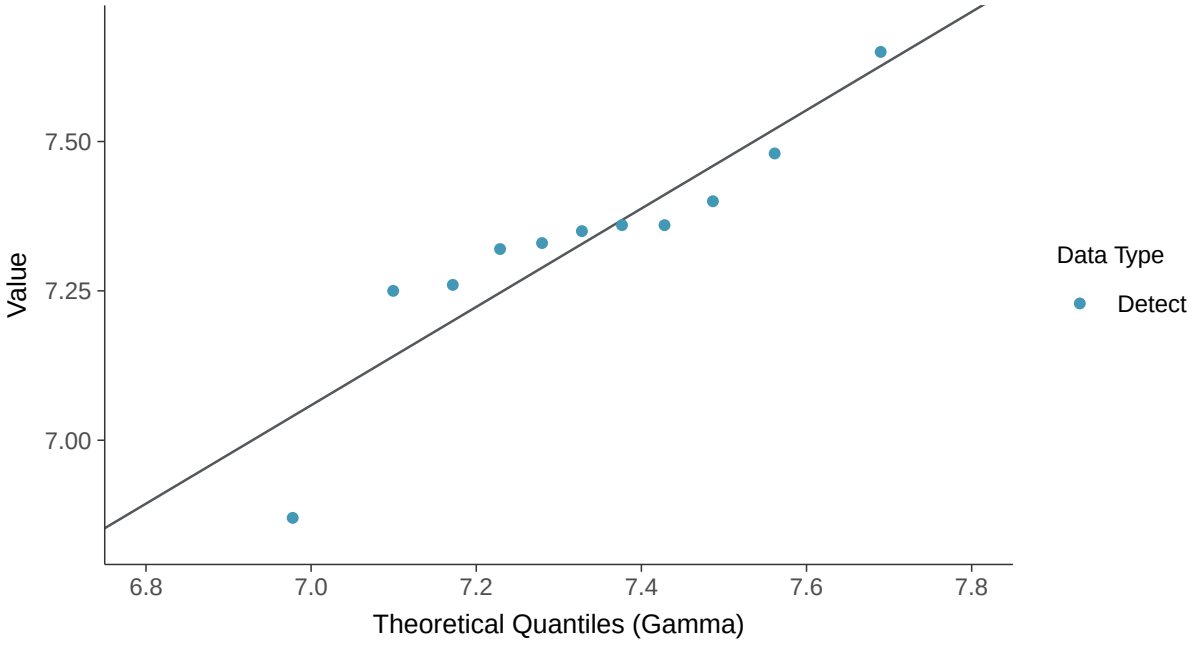
Lognormal Q-Q plot

pH, Field, MW-17B (su)



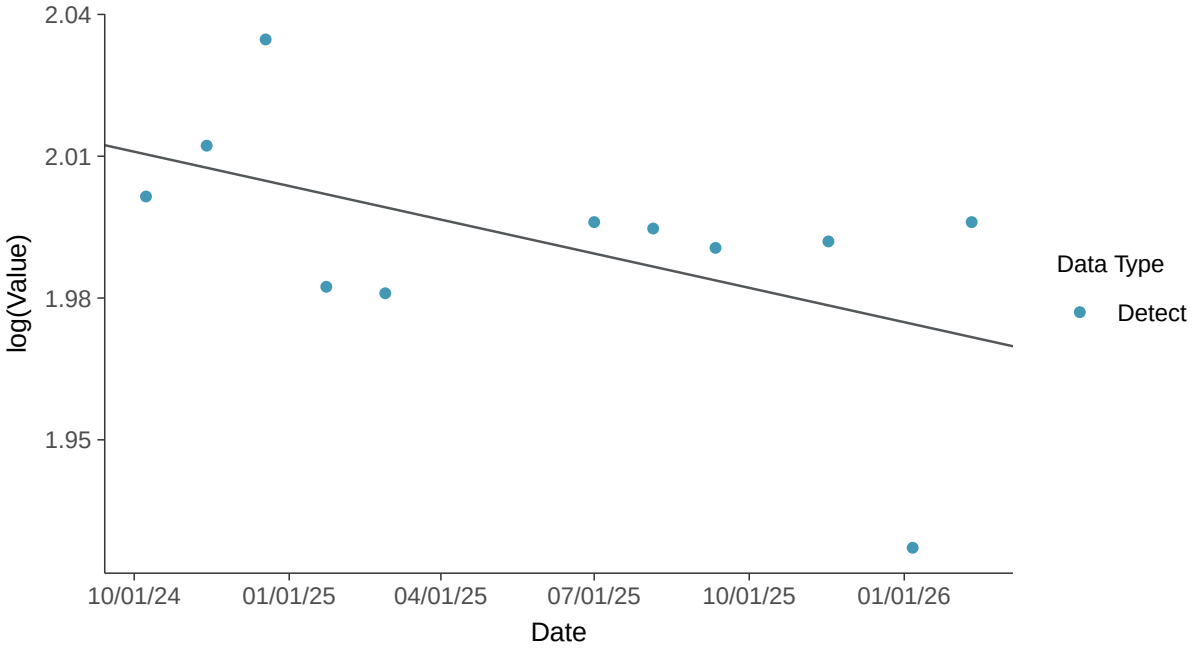
Gamma Q-Q plot

pH, Field, MW-17B (su)



Trend Regression: Lognormal MLE

pH, Field, MW-17B (su)

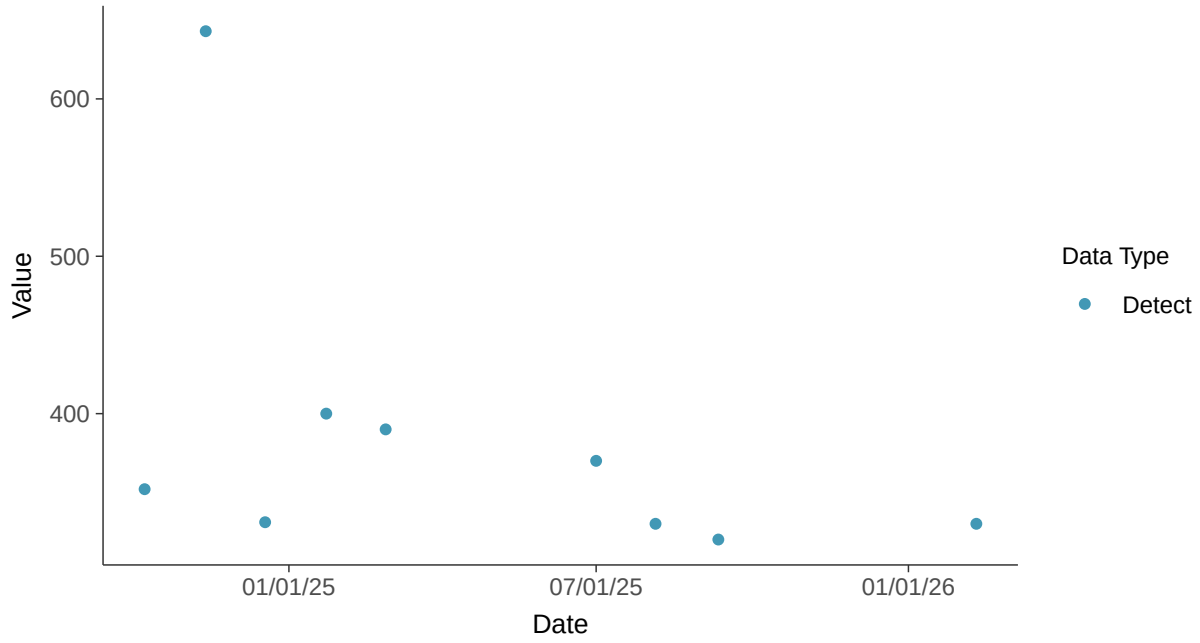


Appendix III: Sulfate, MW-17B

ID: 26_2_124

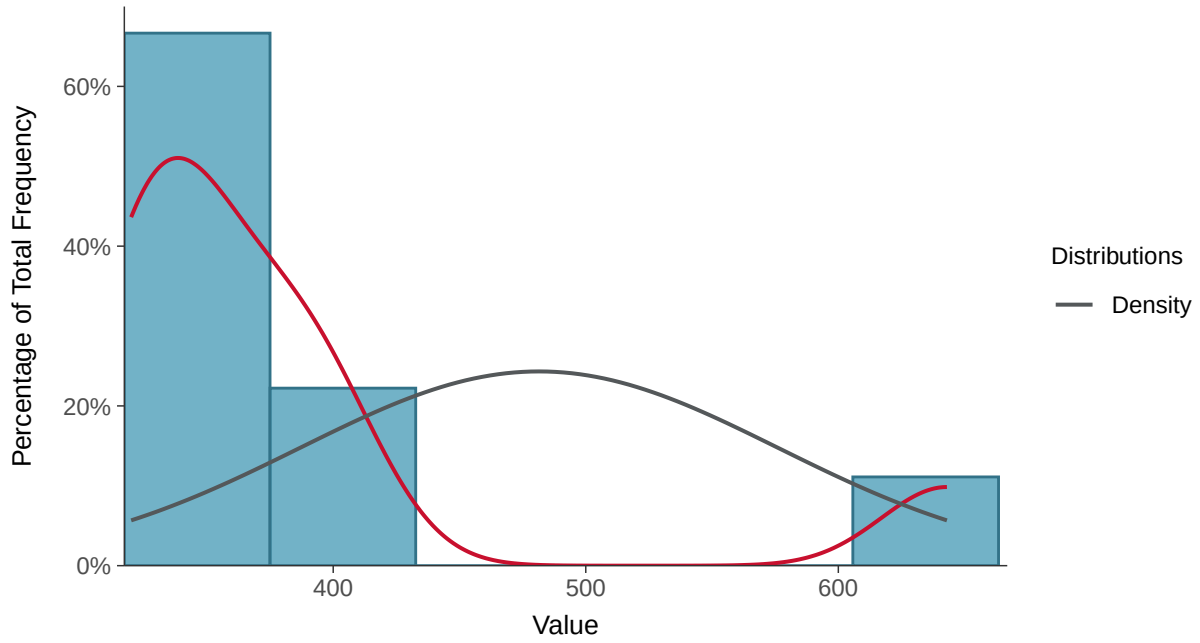
Scatter Plot

Sulfate, MW-17B (mg/l)



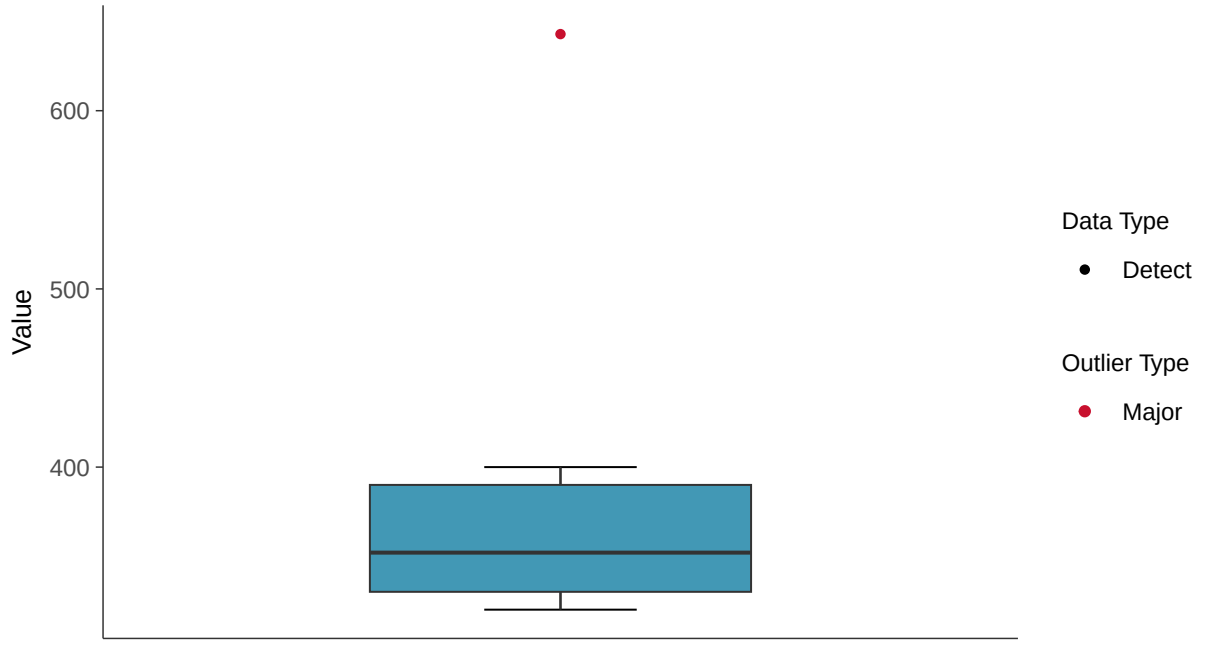
Histogram

Sulfate, MW-17B (mg/l)



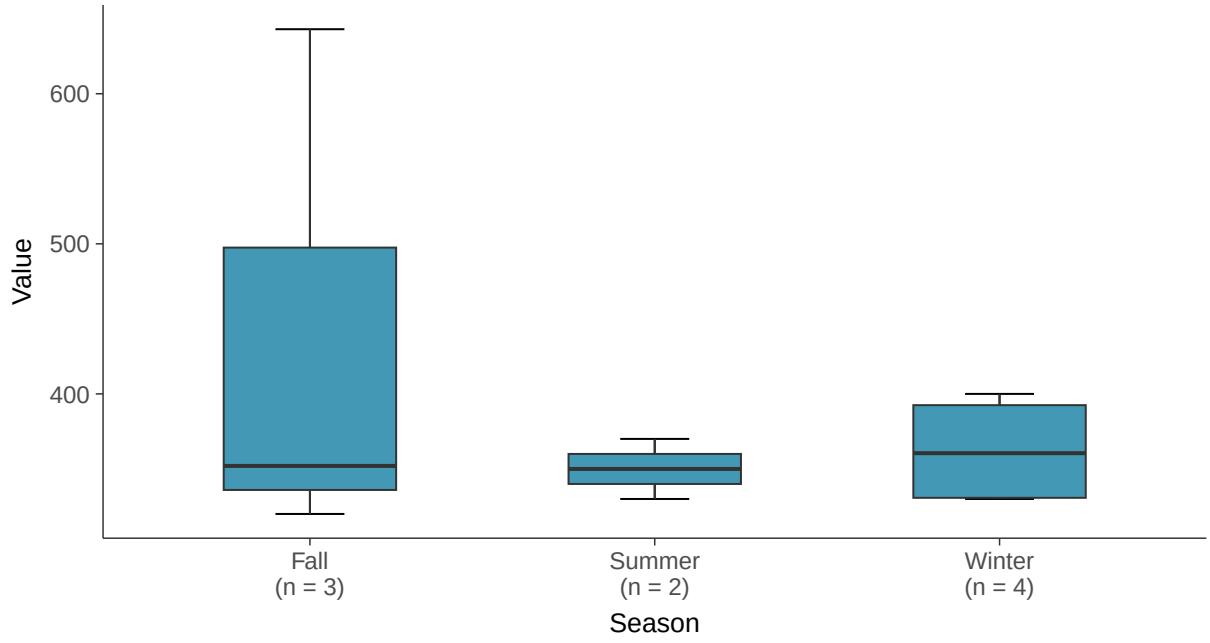
Boxplot

Sulfate, MW-17B (mg/l)



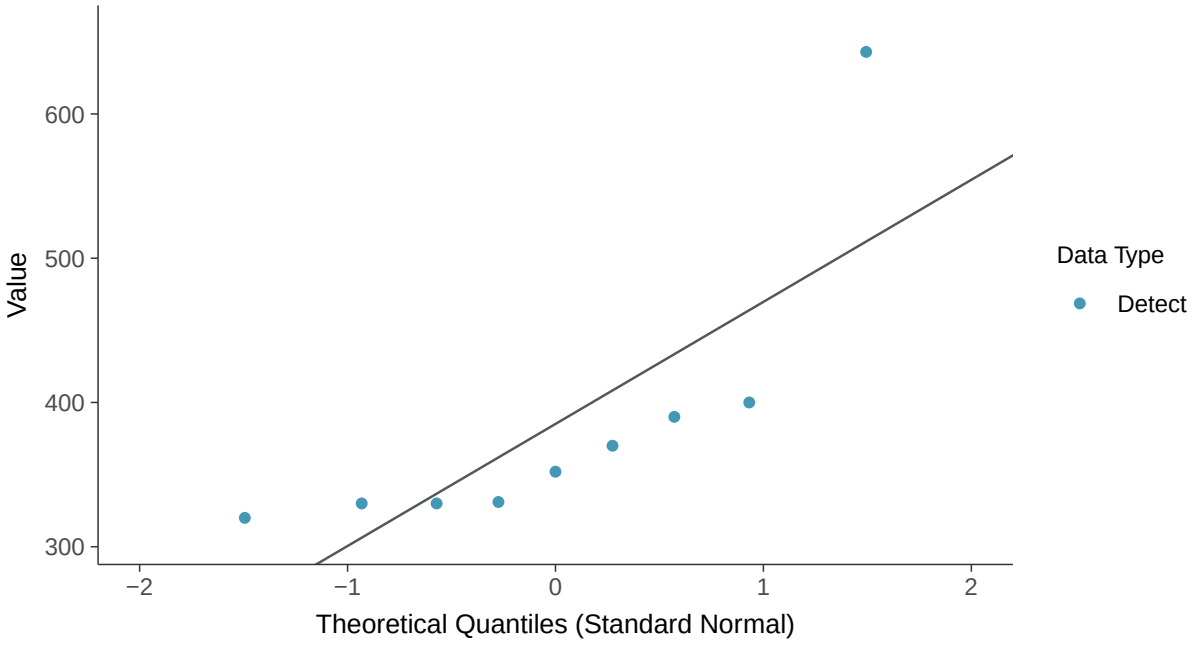
Boxplot by Season

Sulfate, MW-17B (mg/l)



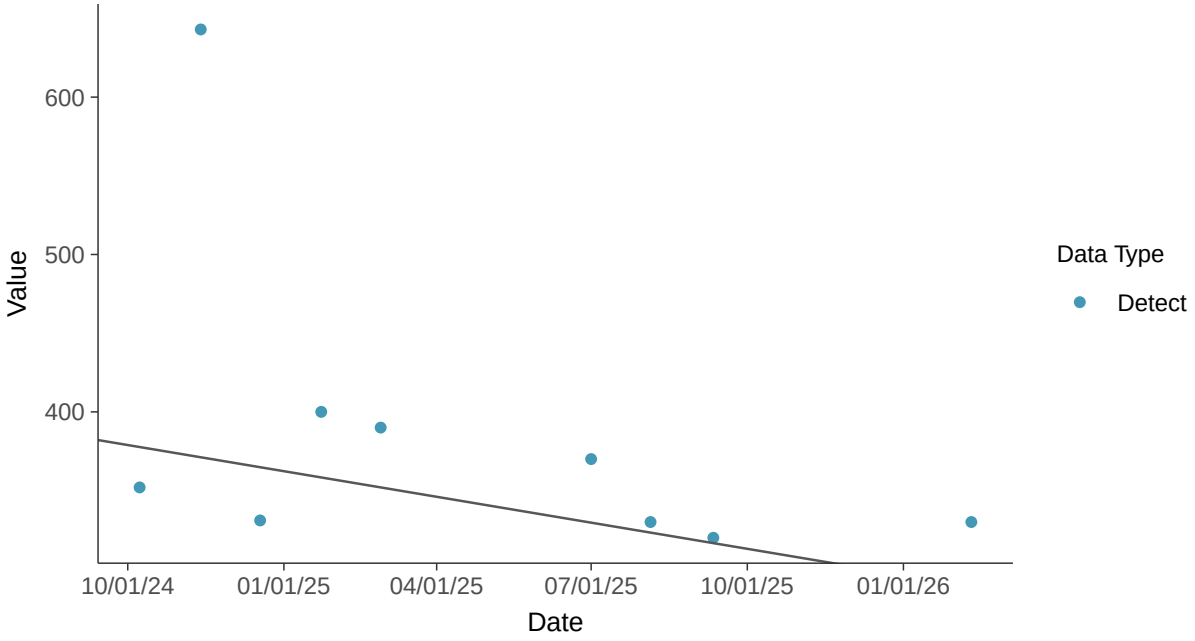
Normal Q-Q plot

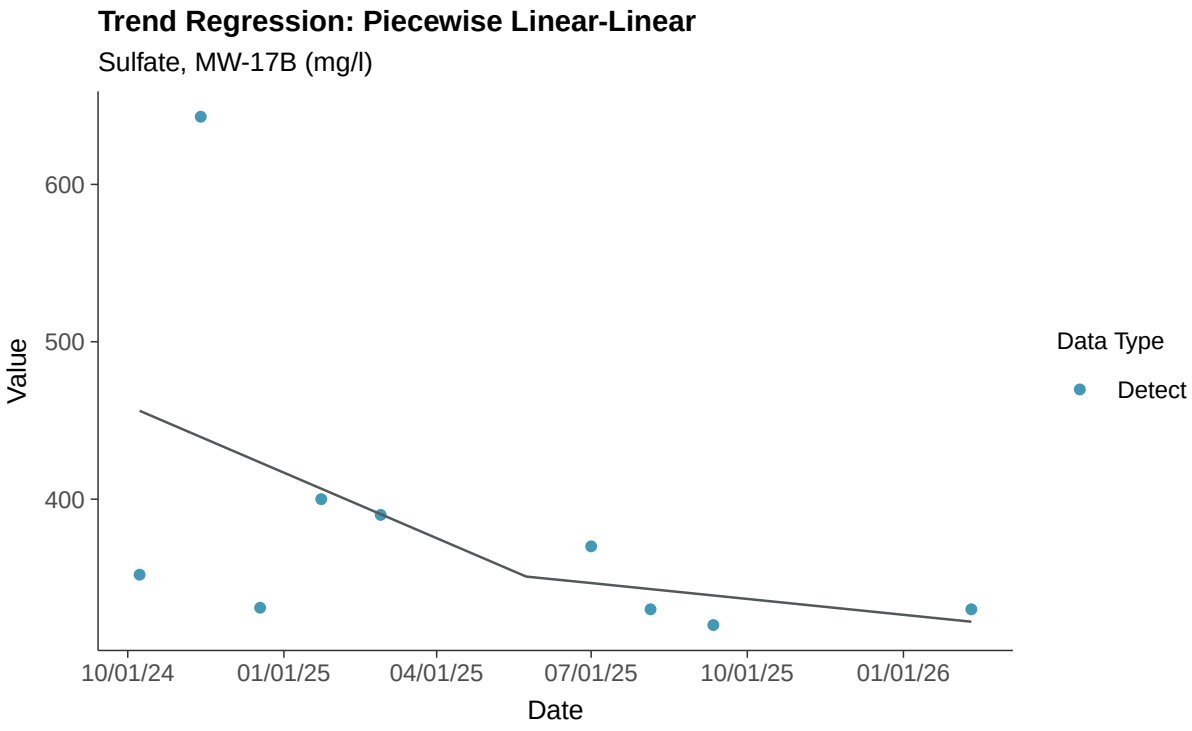
Sulfate, MW-17B (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

Sulfate, MW-17B (mg/l)



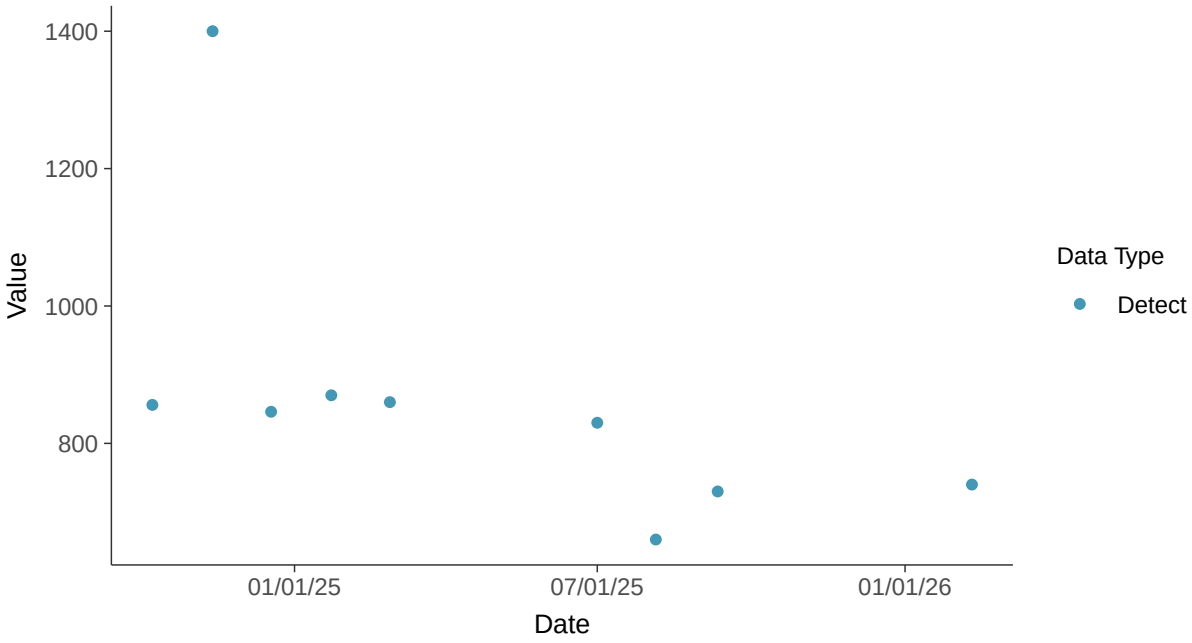

Trend Regression: Piecewise Linear-Linear
Sulfate, MW-17B (mg/l)
600
500
400
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Total Dissolved Solids, MW-17B

ID: 26_2_126

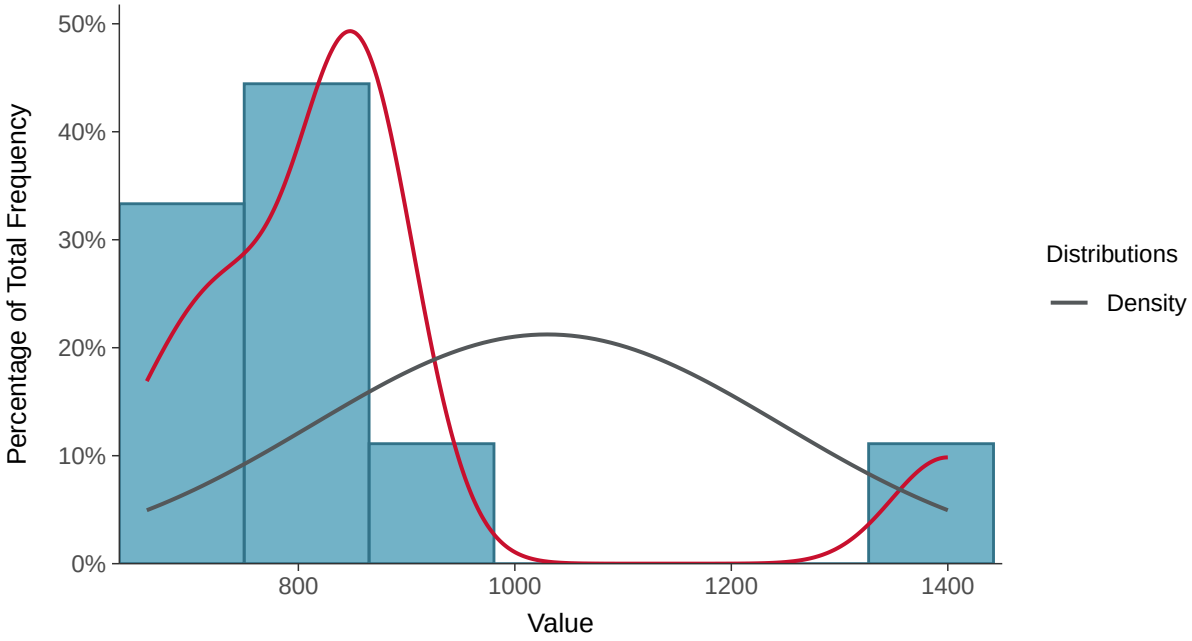
Scatter Plot

Total Dissolved Solids, MW-17B (mg/l)



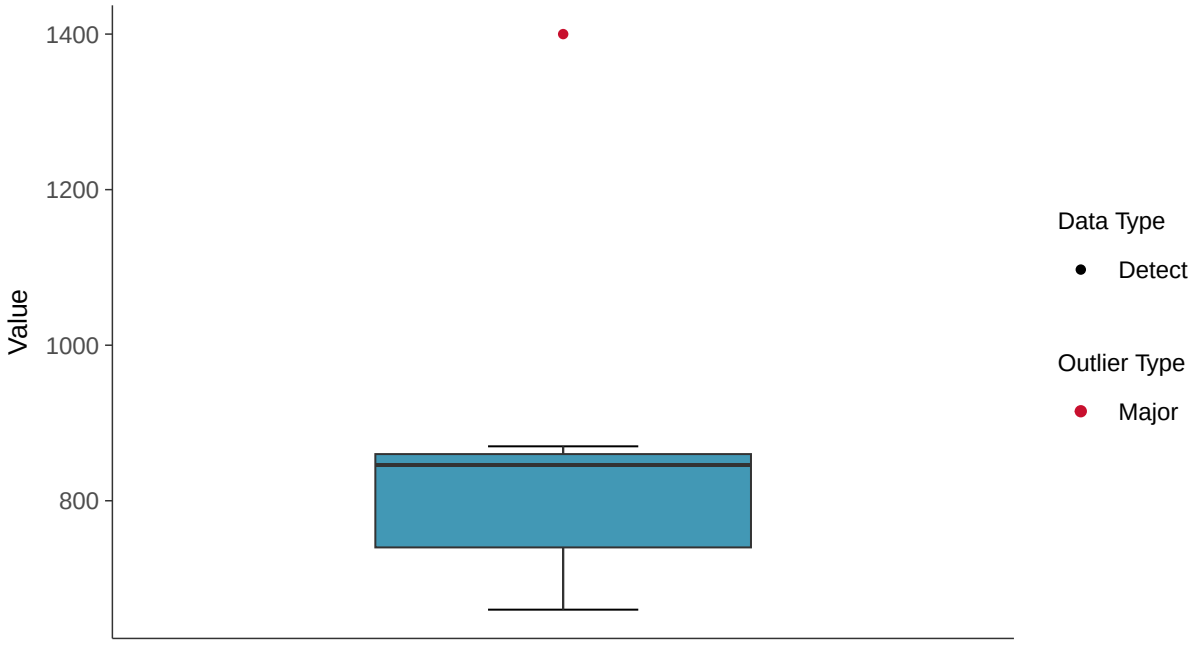
Histogram

Total Dissolved Solids, MW-17B (mg/l)



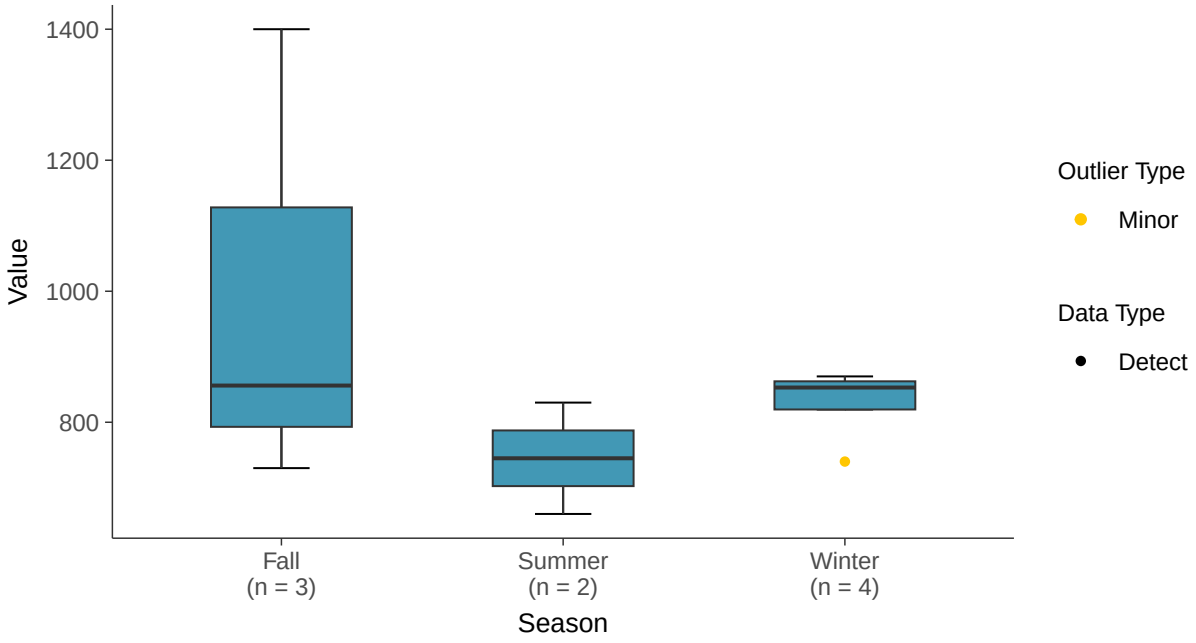
Boxplot

Total Dissolved Solids, MW-17B (mg/l)



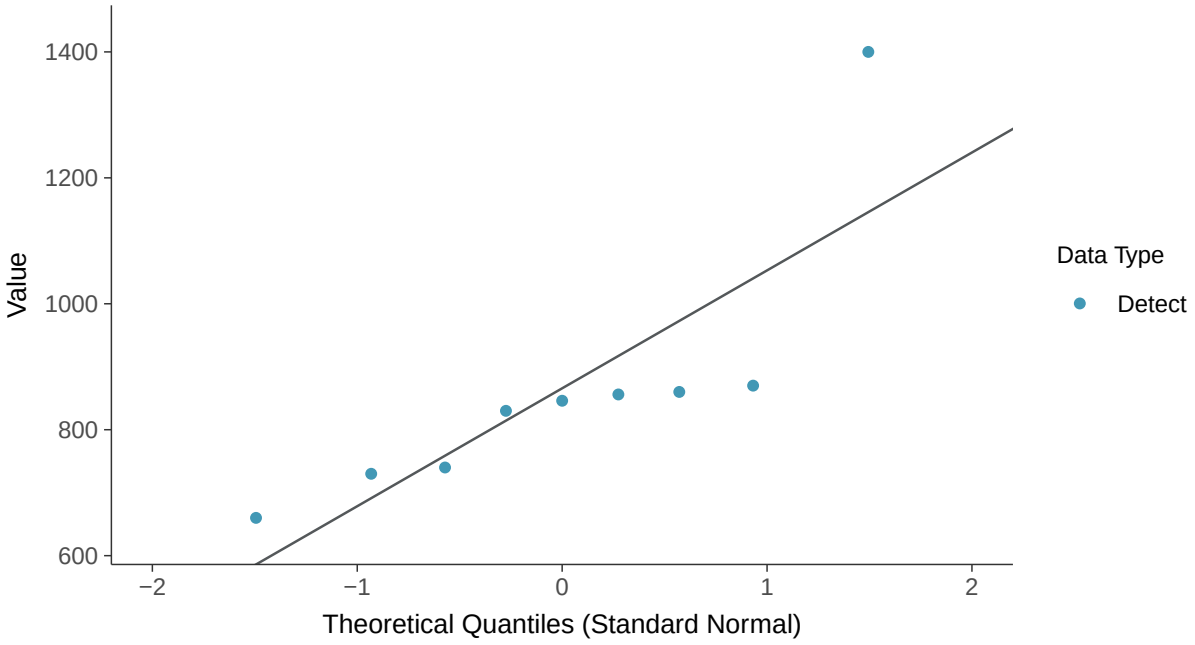
Boxplot by Season

Total Dissolved Solids, MW-17B (mg/l)



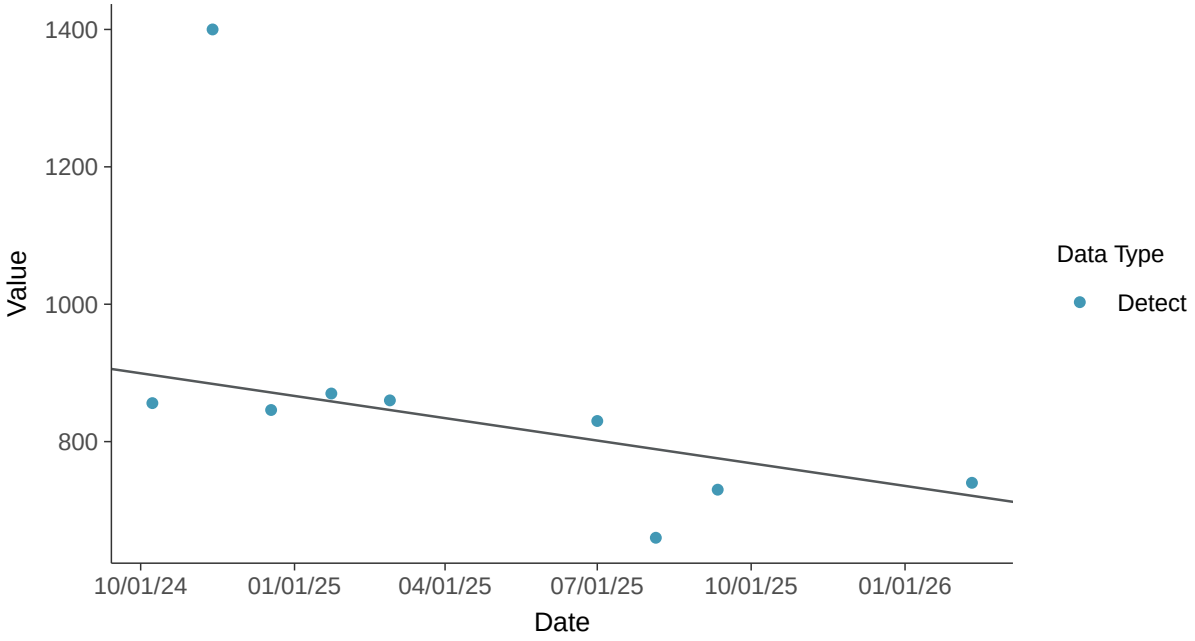
Normal Q-Q plot

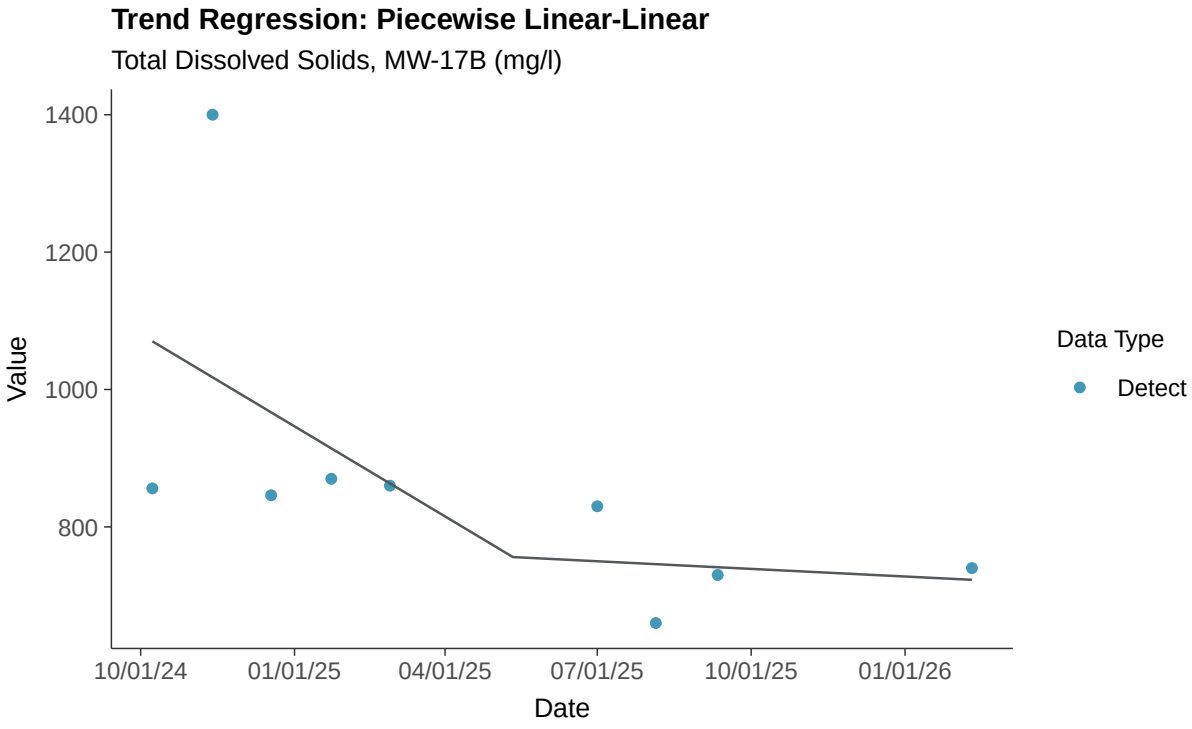
Total Dissolved Solids, MW-17B (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

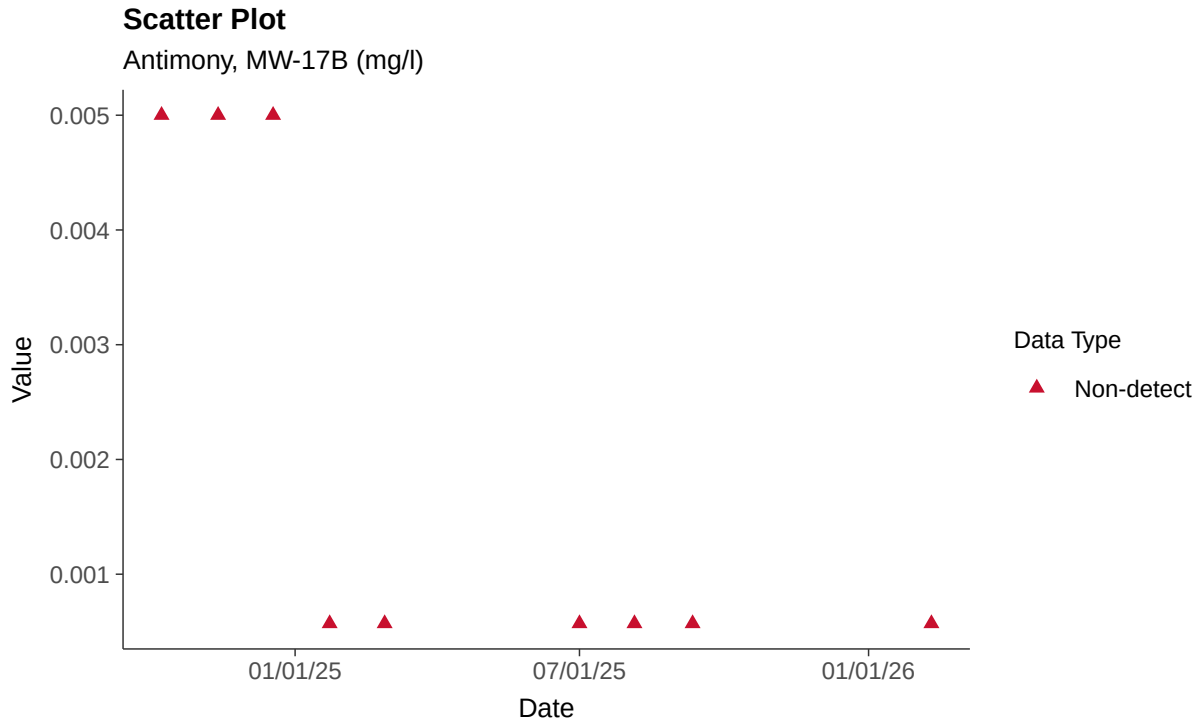
Total Dissolved Solids, MW-17B (mg/l)

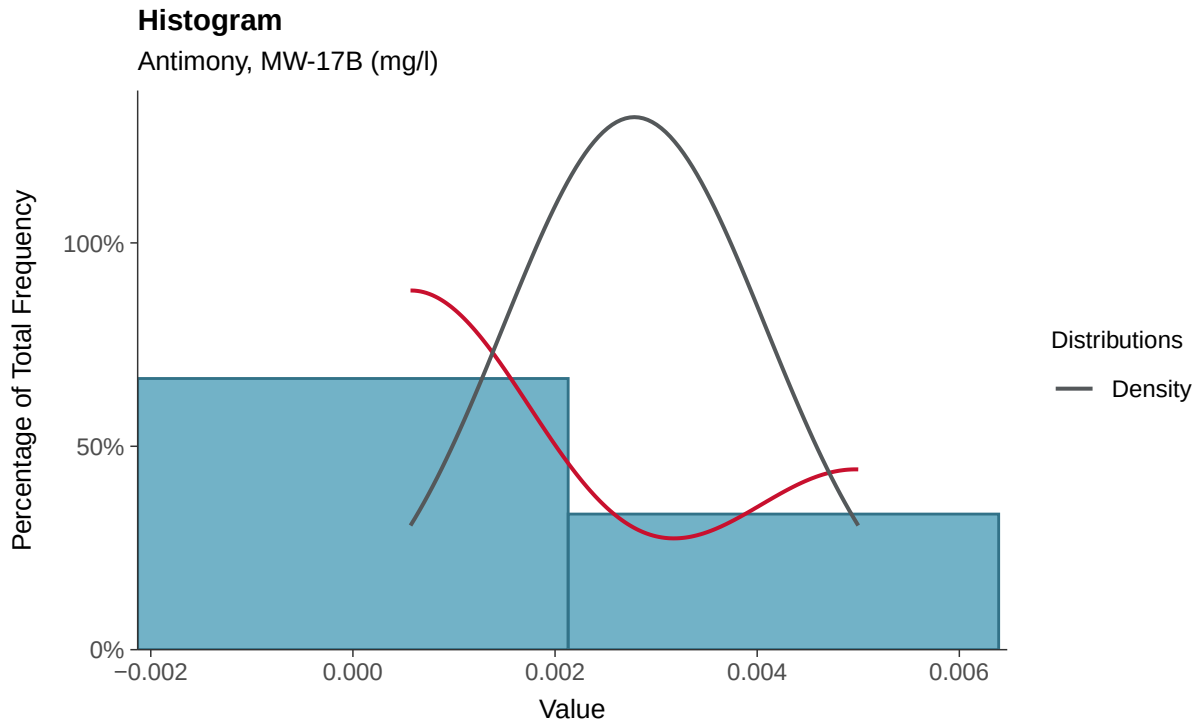



Trend Regression: Piecewise Linear-Linear
Total Dissolved Solids, MW-17B (mg/l)
1400
1200
1000
800
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Antimony, MW-17B

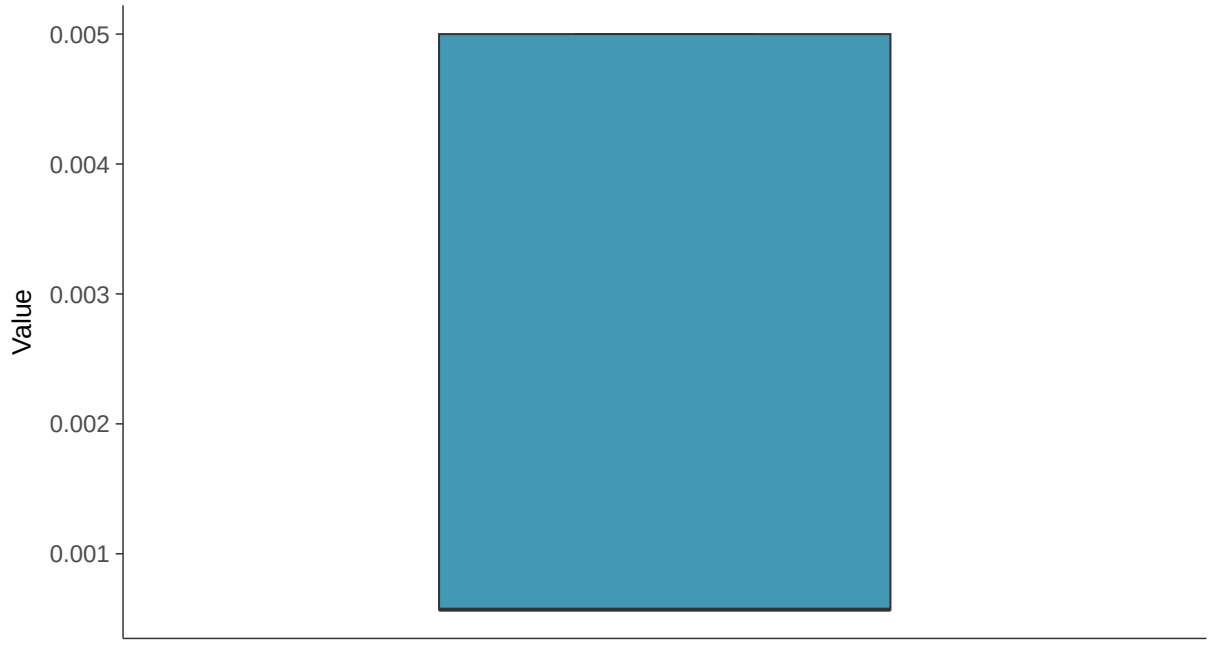
ID: 26_3_101





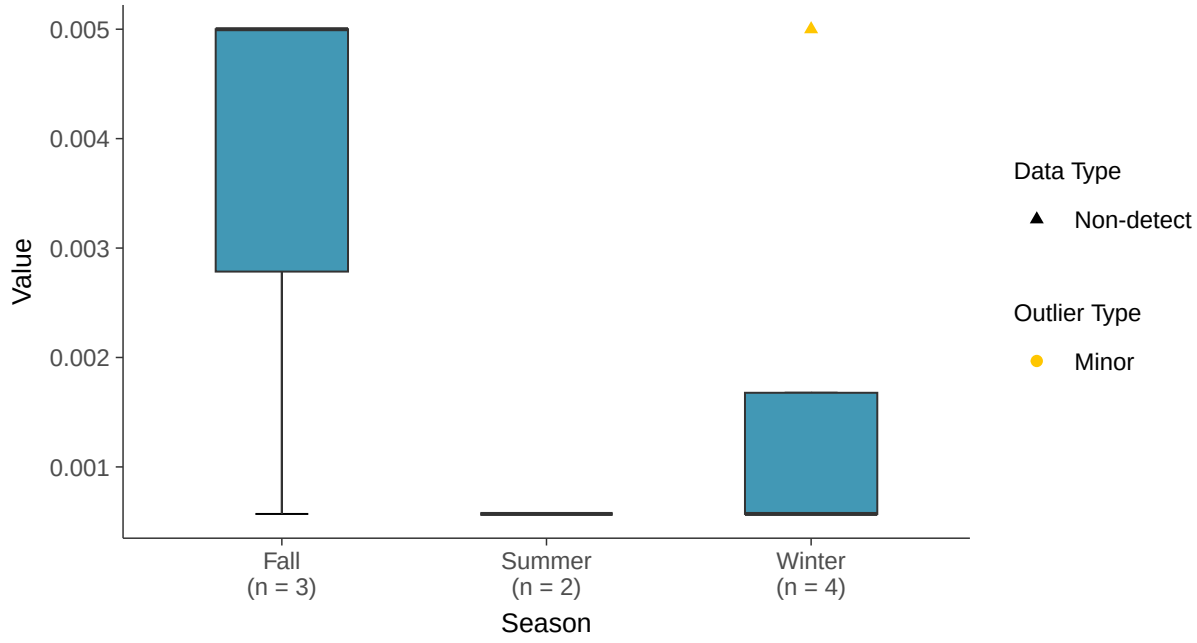
Boxplot

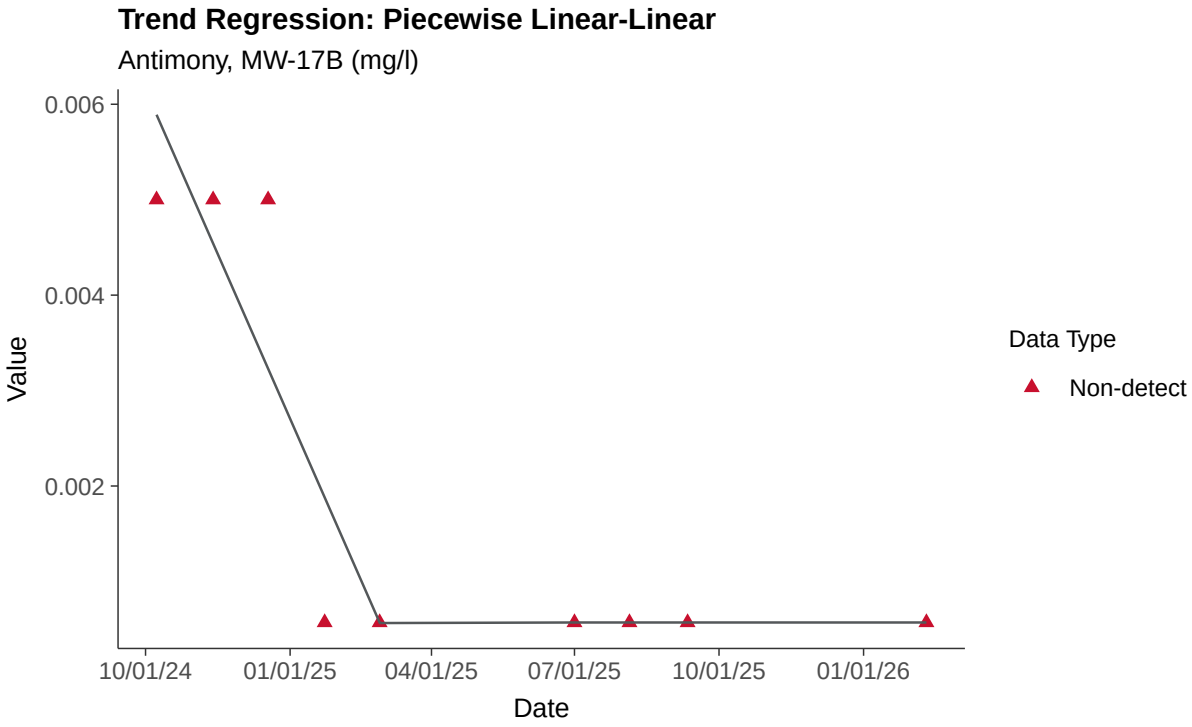
Antimony, MW-17B (mg/l)



Boxplot by Season

Antimony, MW-17B (mg/l)



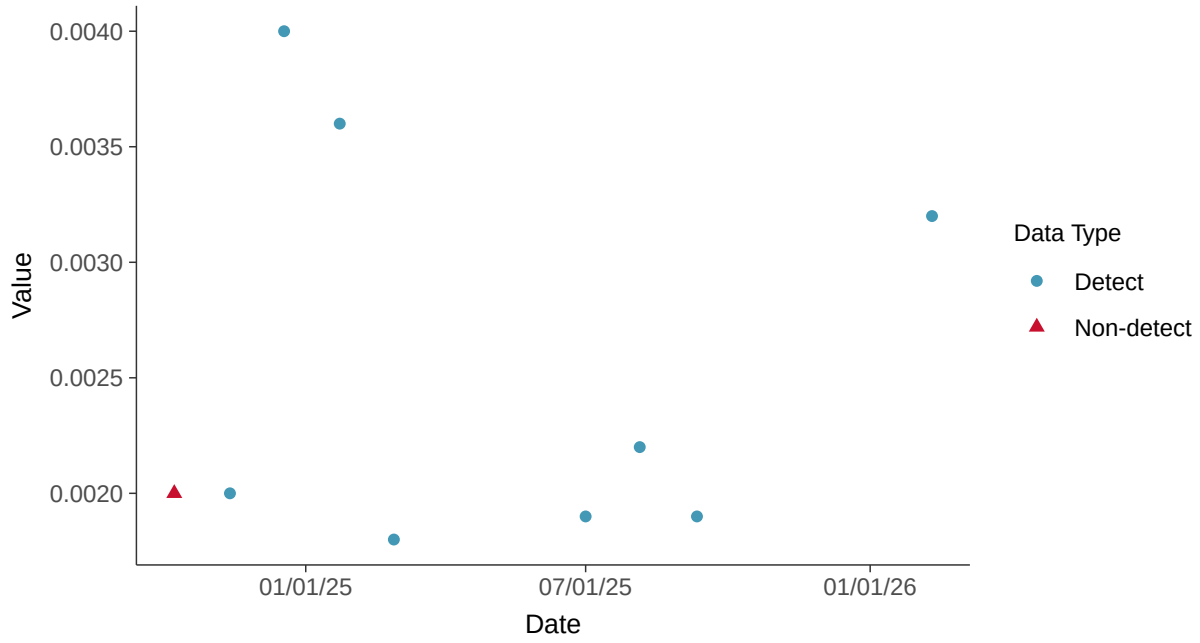

Trend Regression: Piecewise Linear-Linear
Antimony, MW-17B (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-17B

ID: 26_3_102

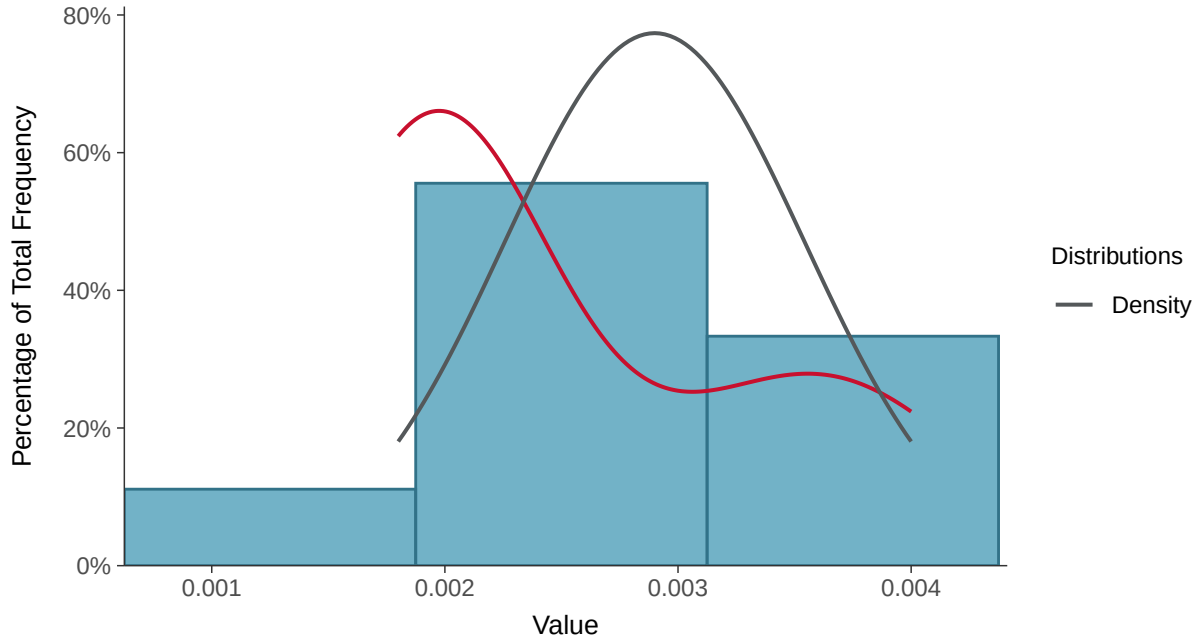
Scatter Plot

Arsenic, MW-17B (mg/l)



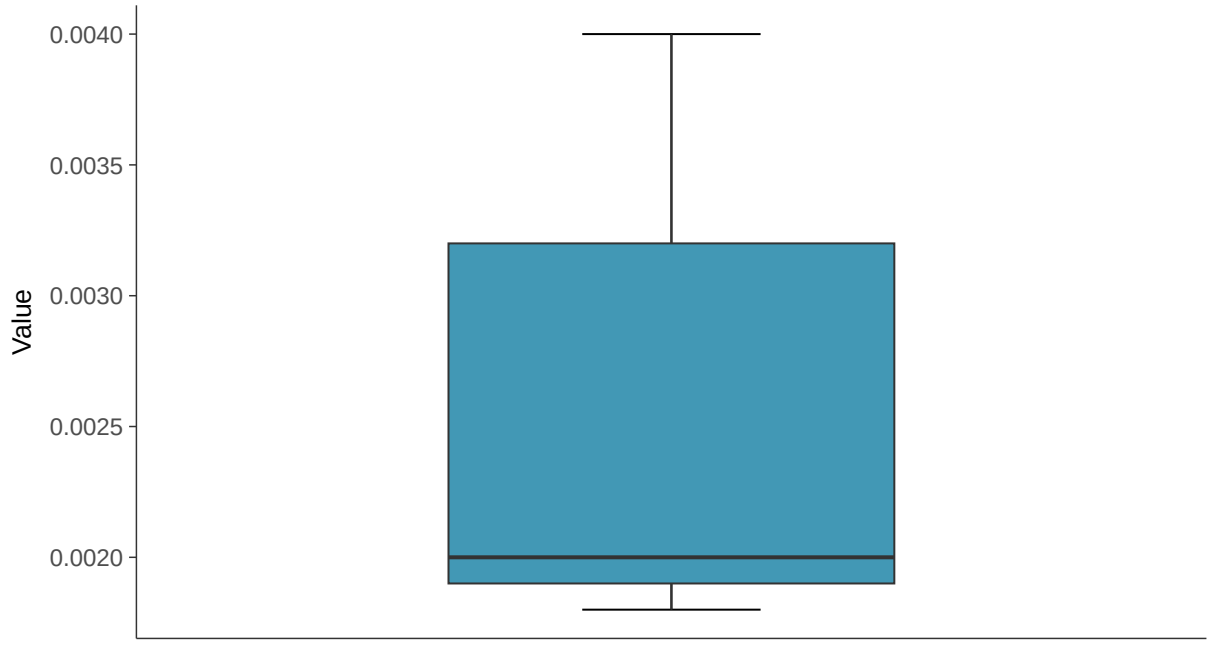
Histogram

Arsenic, MW-17B (mg/l)



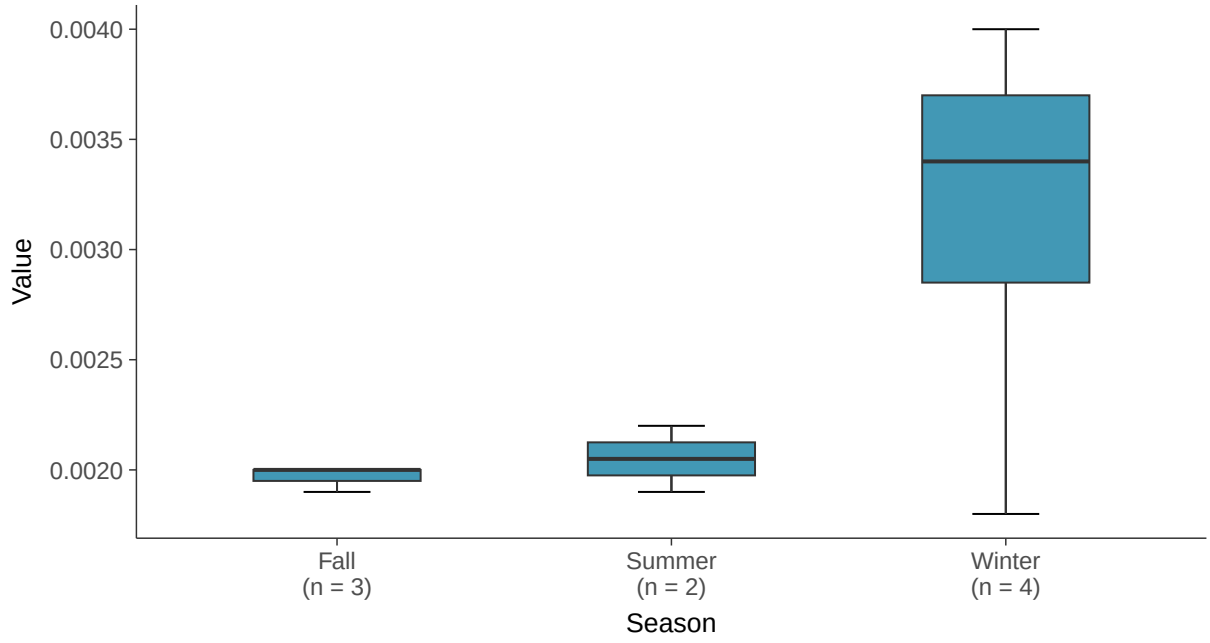
Boxplot

Arsenic, MW-17B (mg/l)



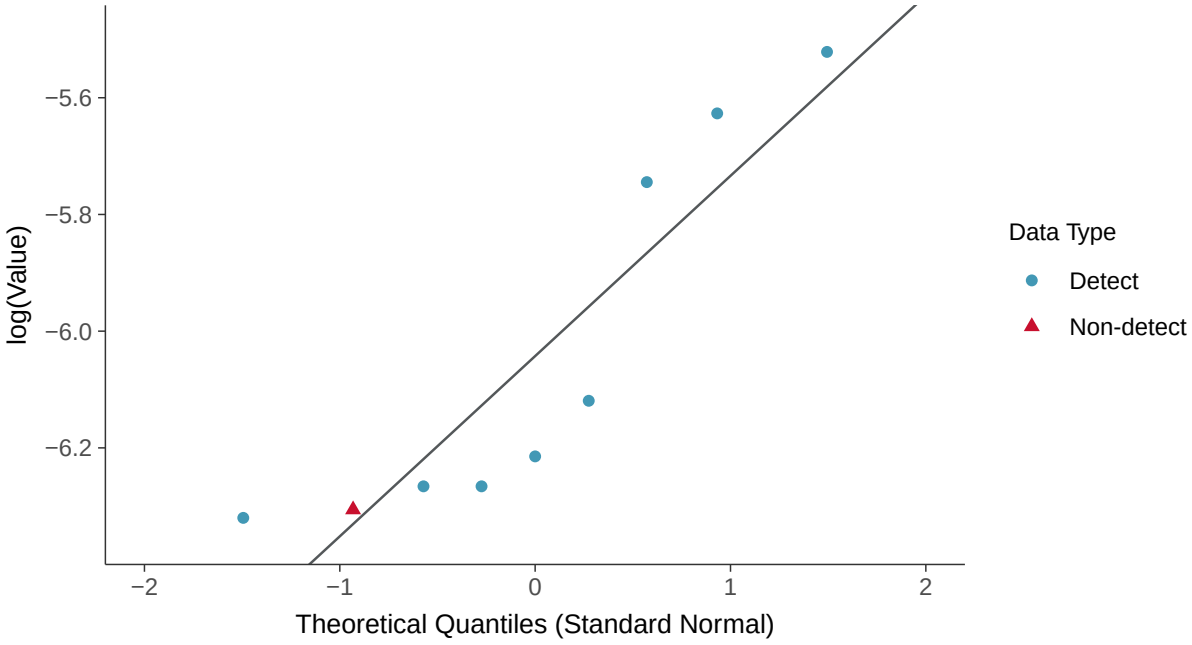
Boxplot by Season

Arsenic, MW-17B (mg/l)



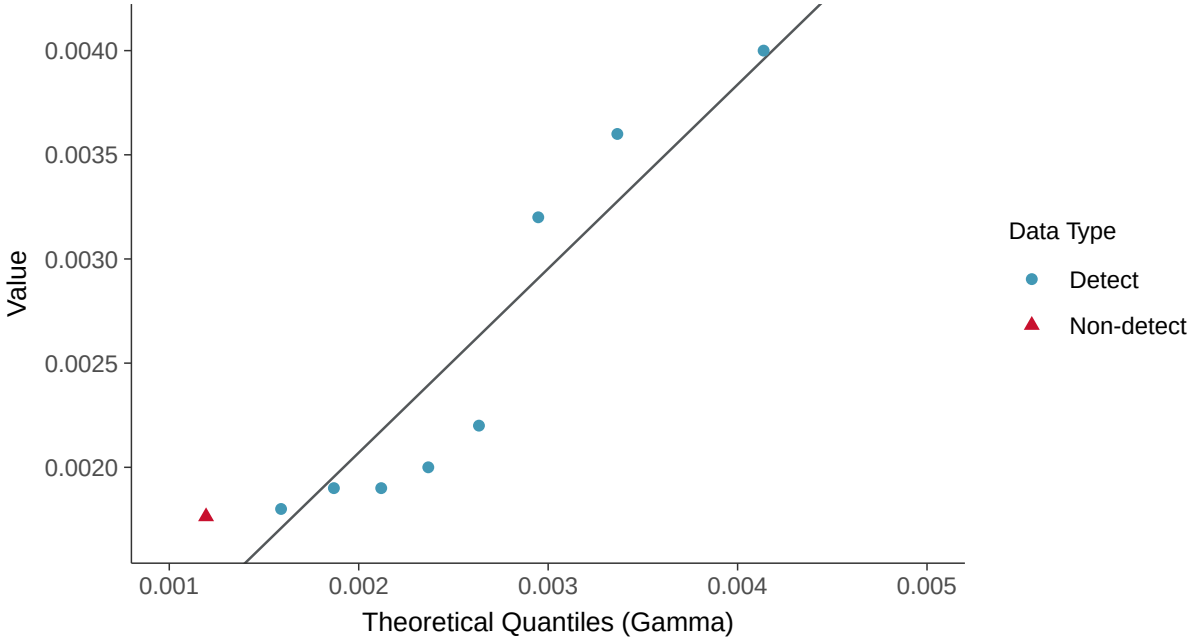
Lognormal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-17B (mg/l)



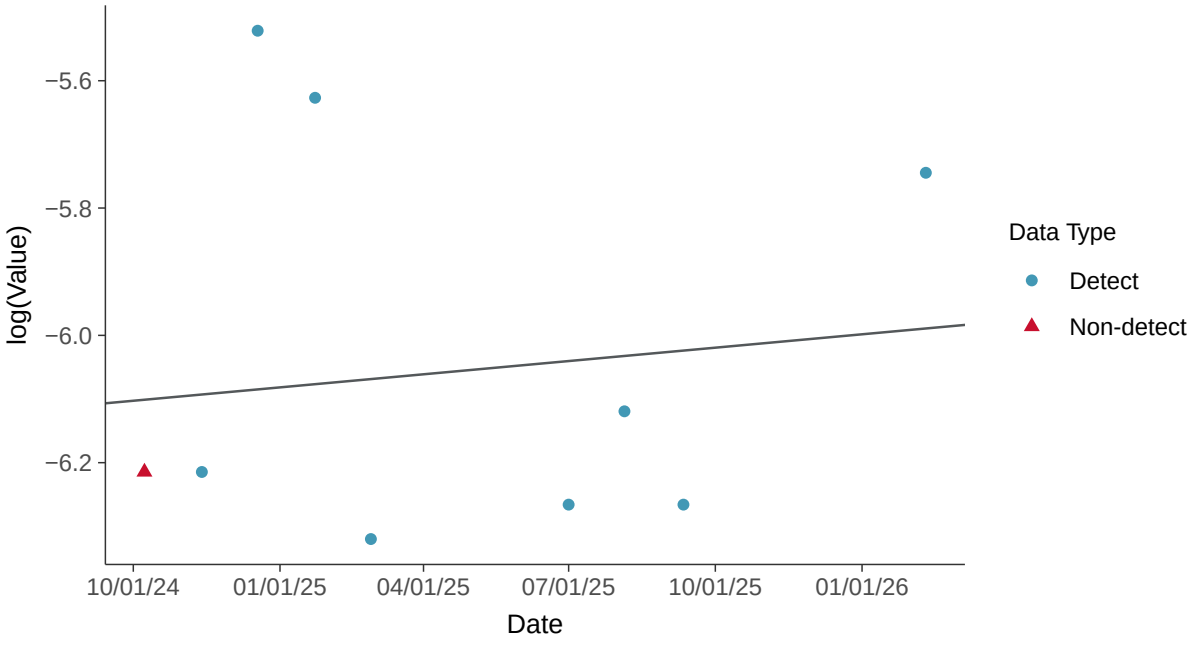
Gamma Q-Q plot using ROS Imputed Estimates

Arsenic, MW-17B (mg/l)



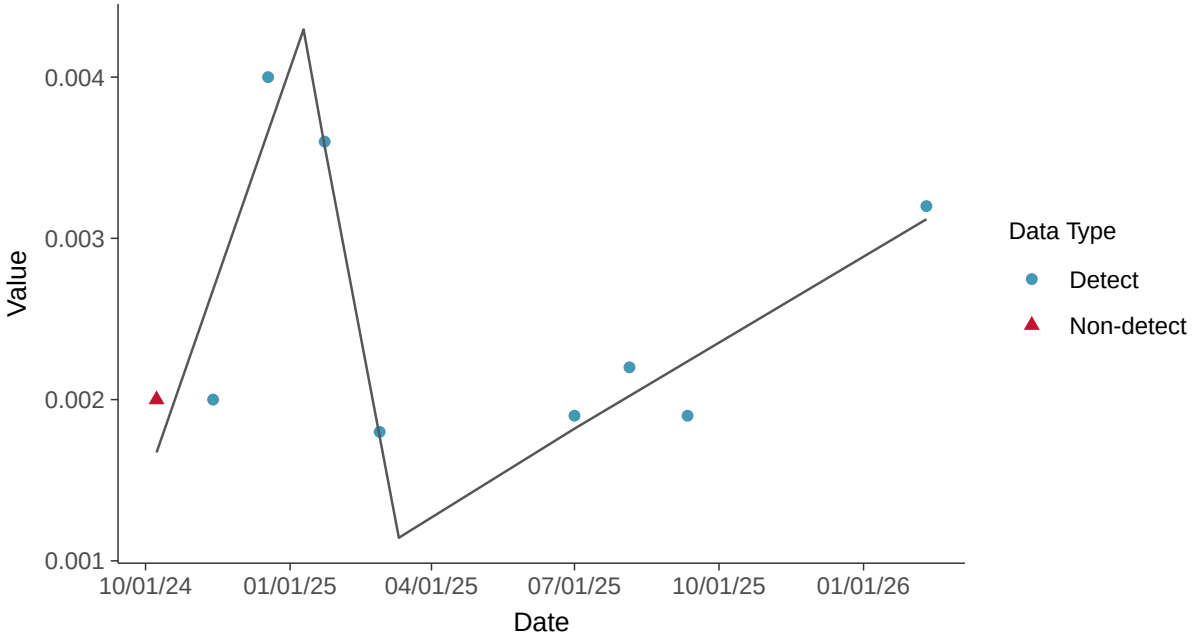
Trend Regression: Lognormal MLE

Arsenic, MW-17B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Arsenic, MW-17B (mg/l)

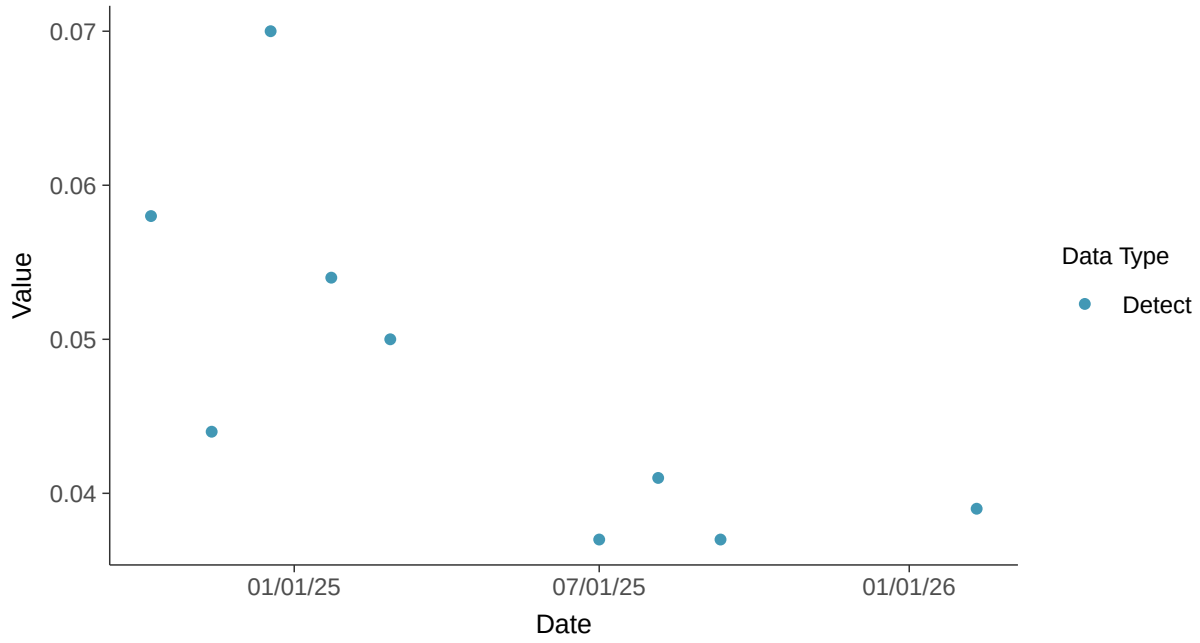


Appendix IV: Barium, MW-17B

ID: 26_3_103

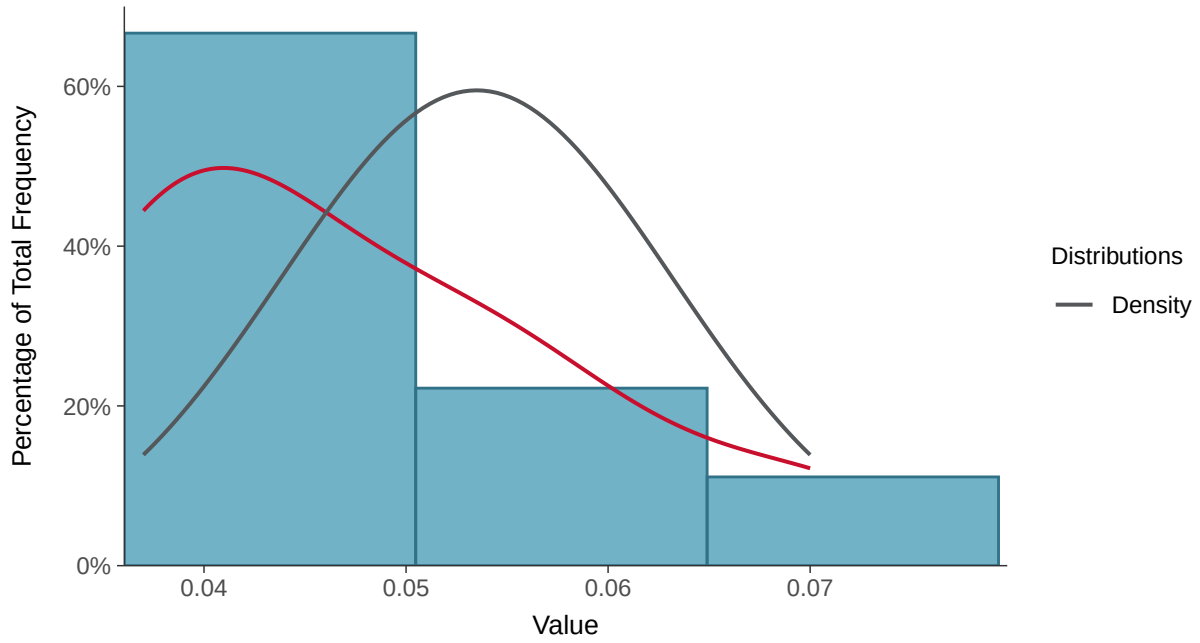
Scatter Plot

Barium, MW-17B (mg/l)



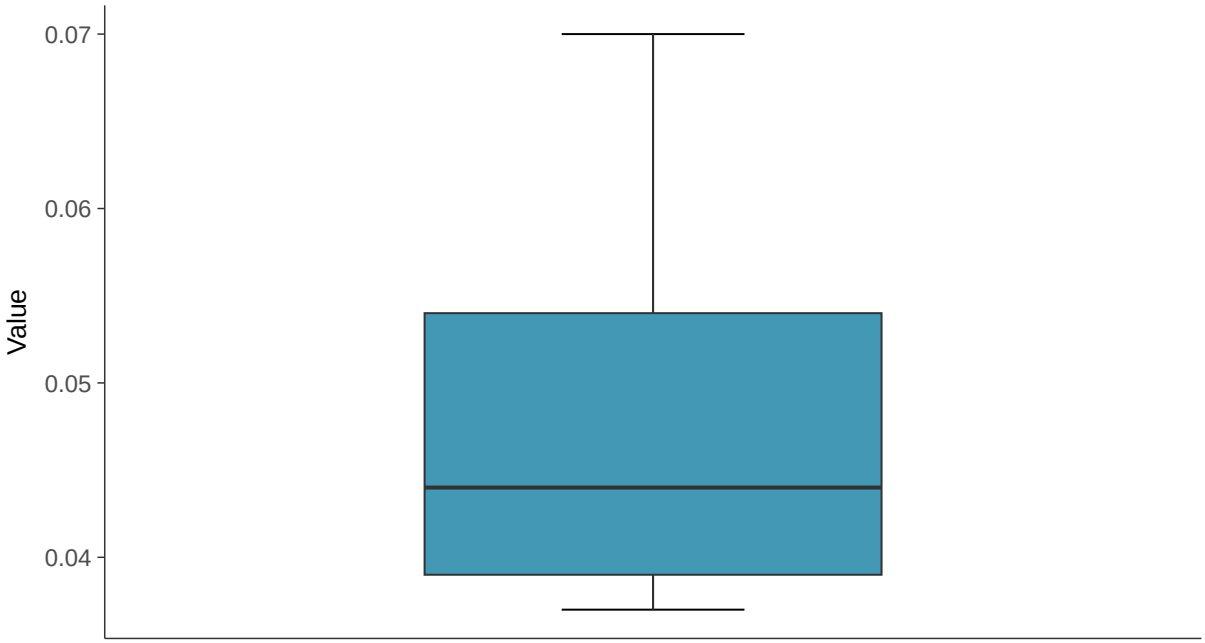
Histogram

Barium, MW-17B (mg/l)



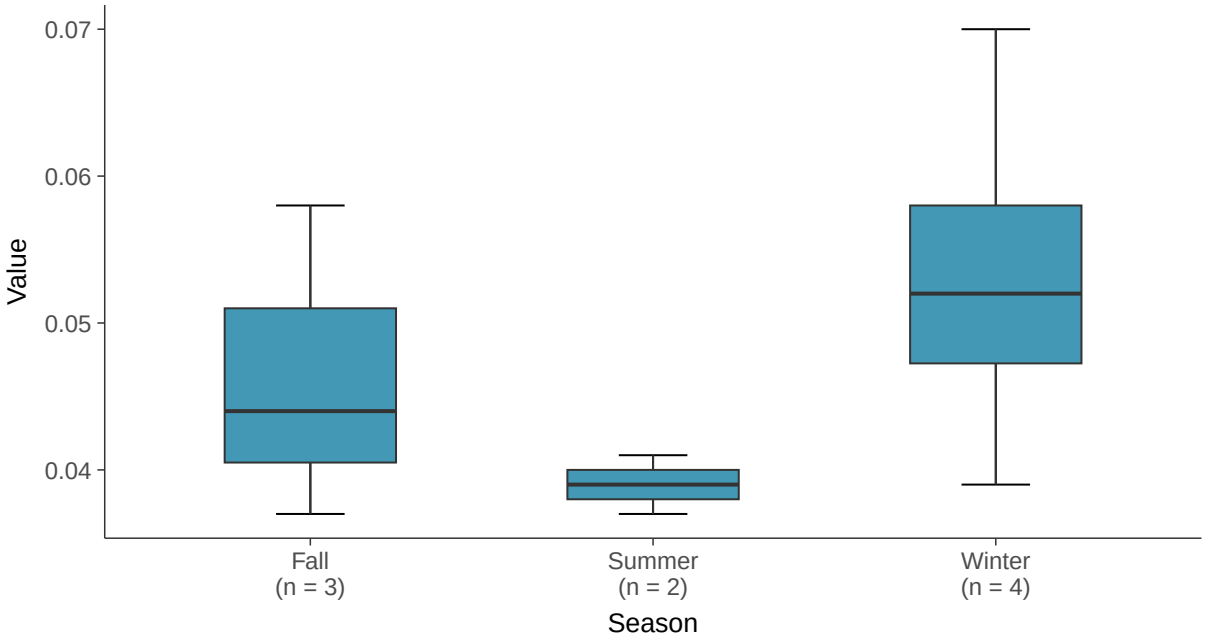
Boxplot

Barium, MW-17B (mg/l)



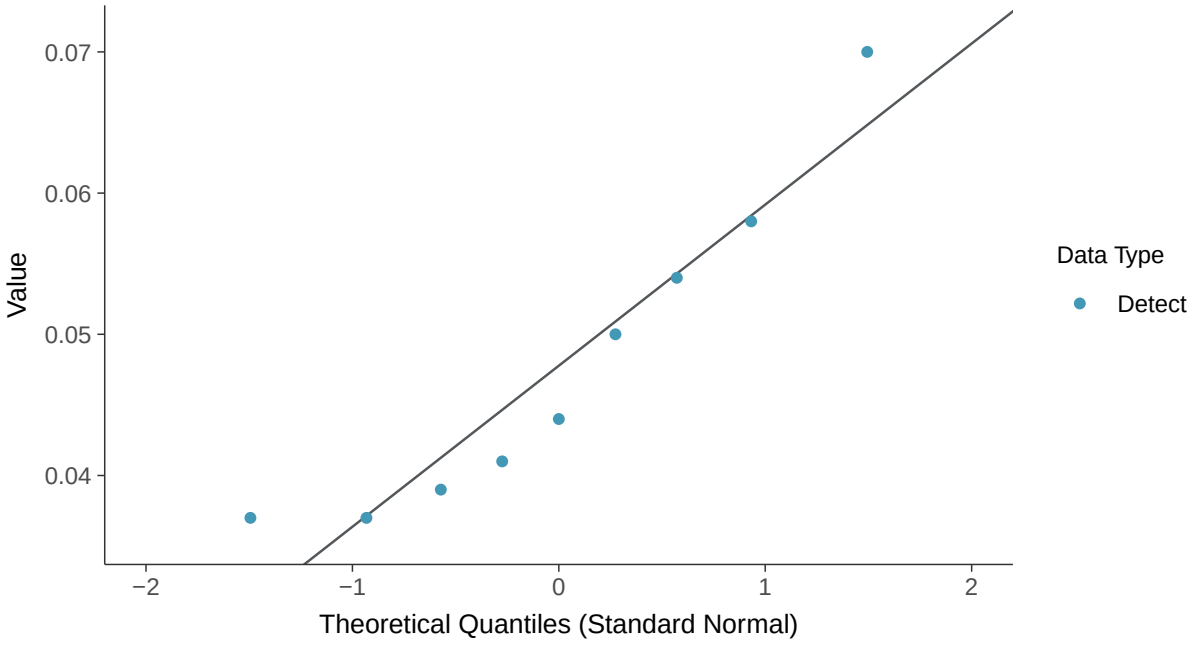
Boxplot by Season

Barium, MW-17B (mg/l)



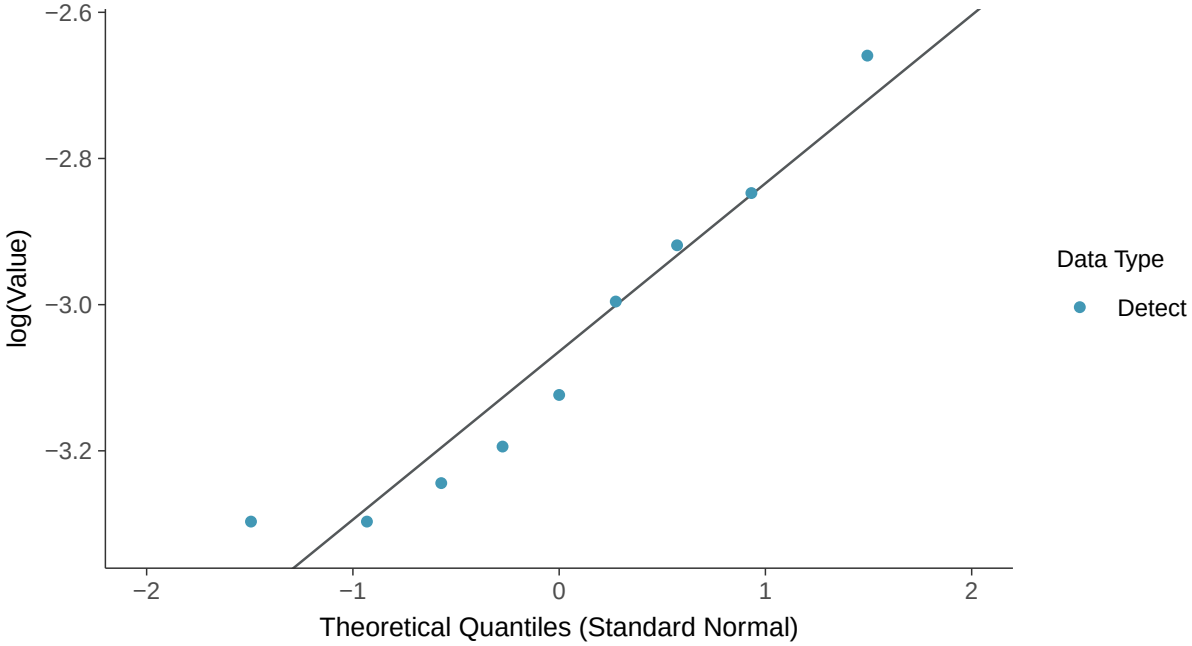
Normal Q-Q plot

Barium, MW-17B (mg/l)



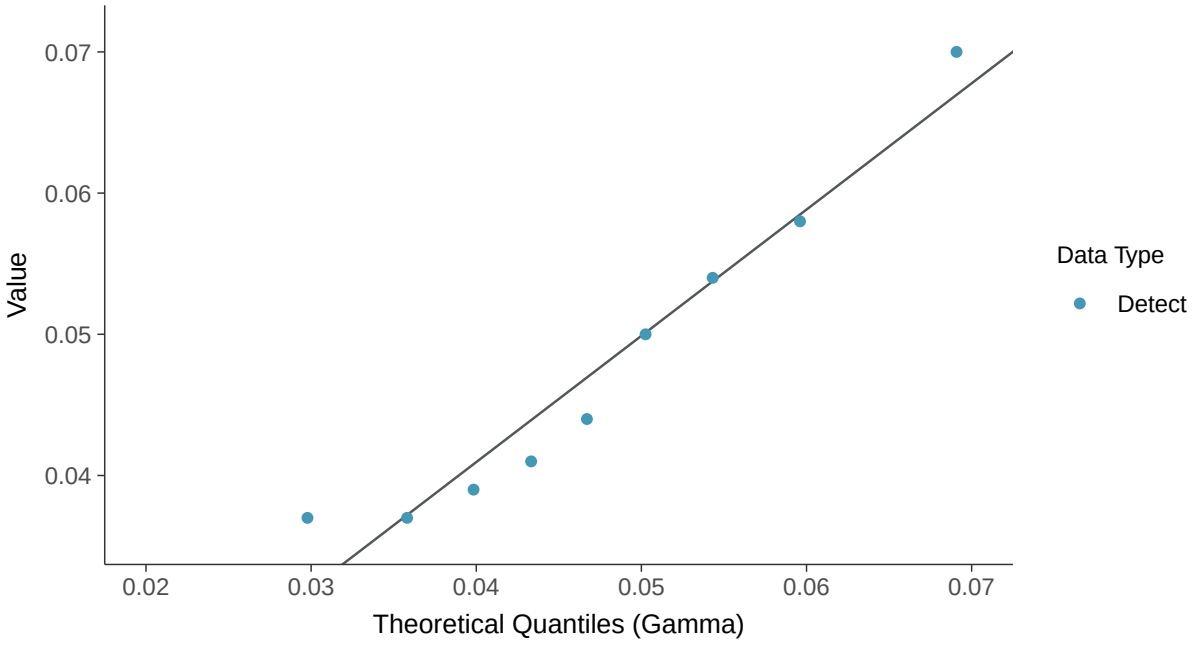
Lognormal Q-Q plot

Barium, MW-17B (mg/l)



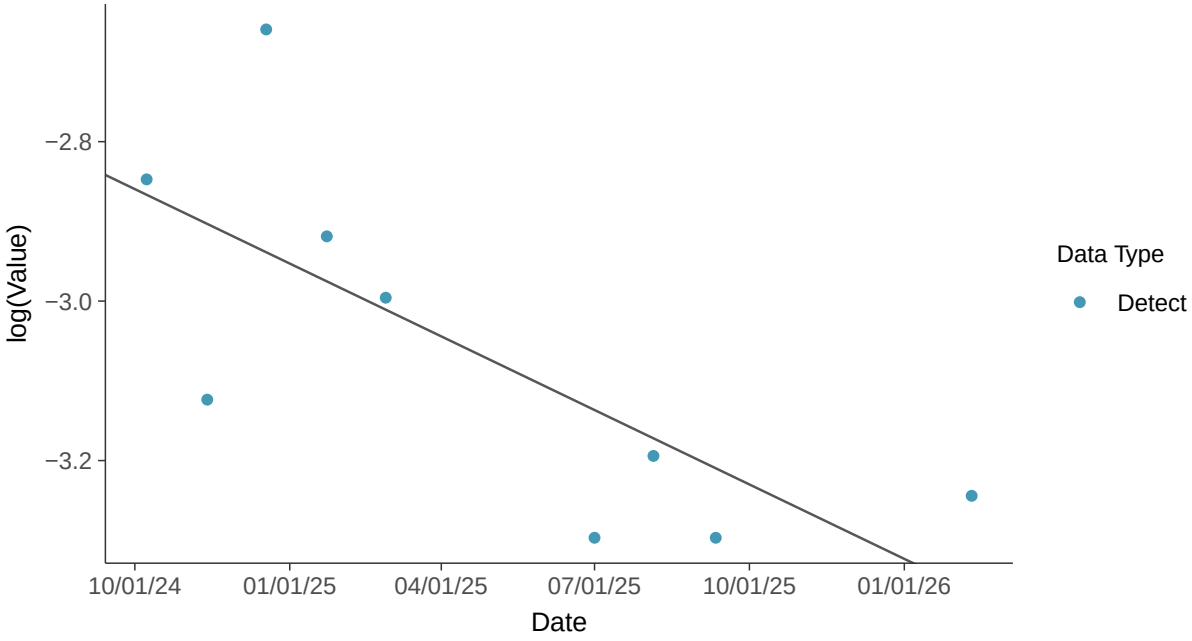
Gamma Q-Q plot

Barium, MW-17B (mg/l)



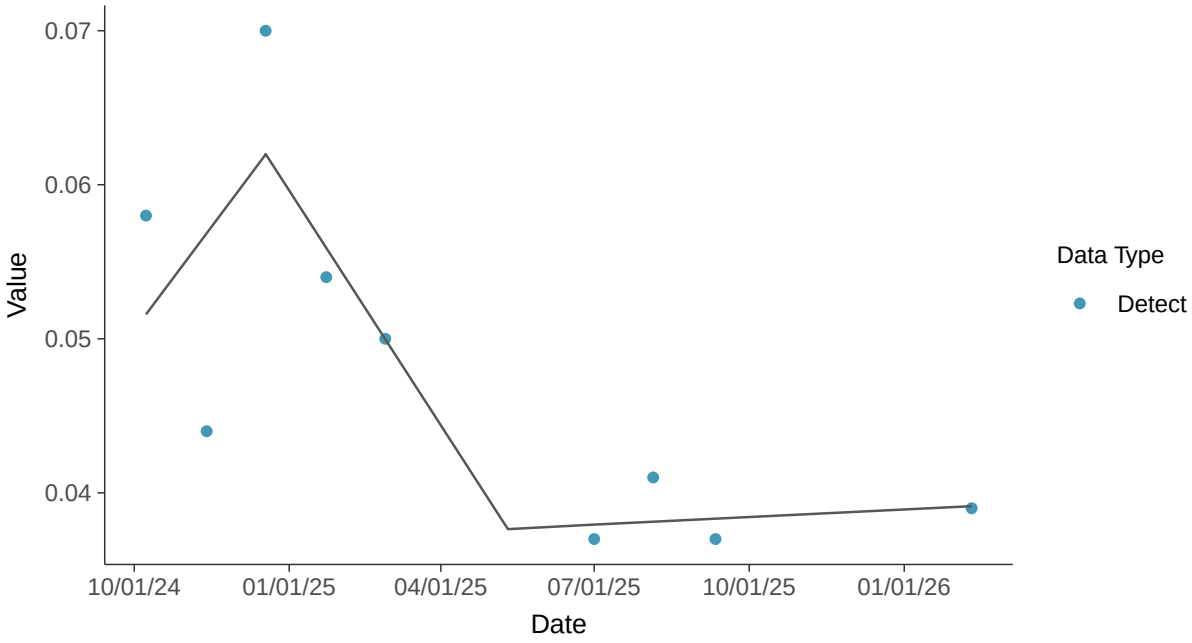
Trend Regression: Lognormal MLE

Barium, MW-17B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Barium, MW-17B (mg/l)

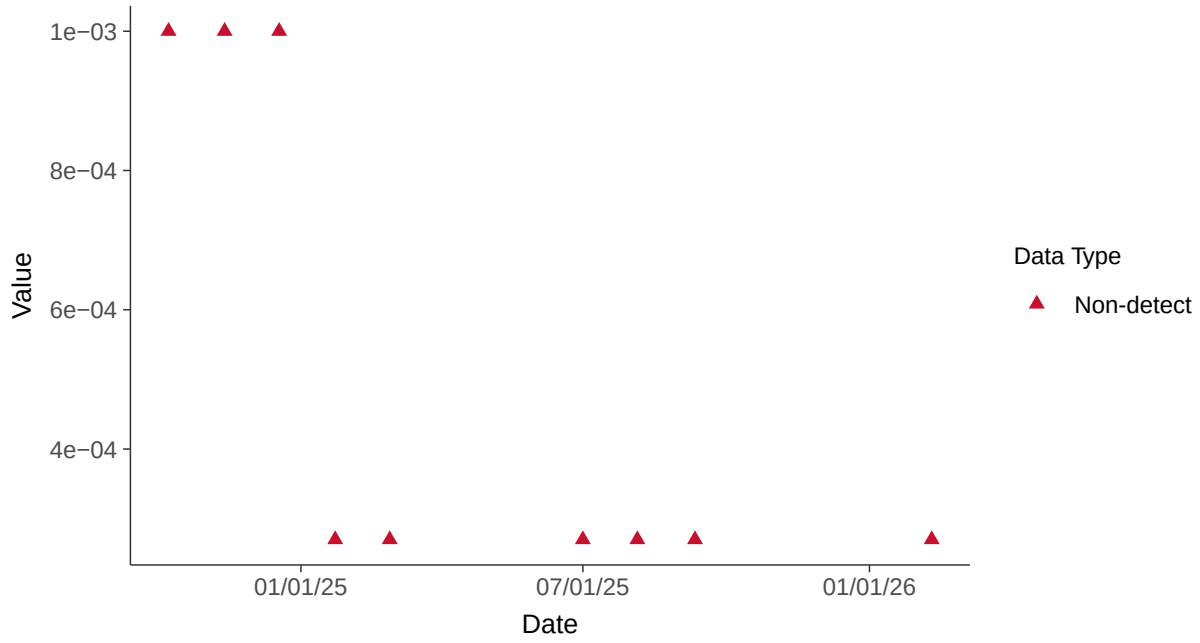


Appendix IV: Beryllium, MW-17B

ID: 26_3_104

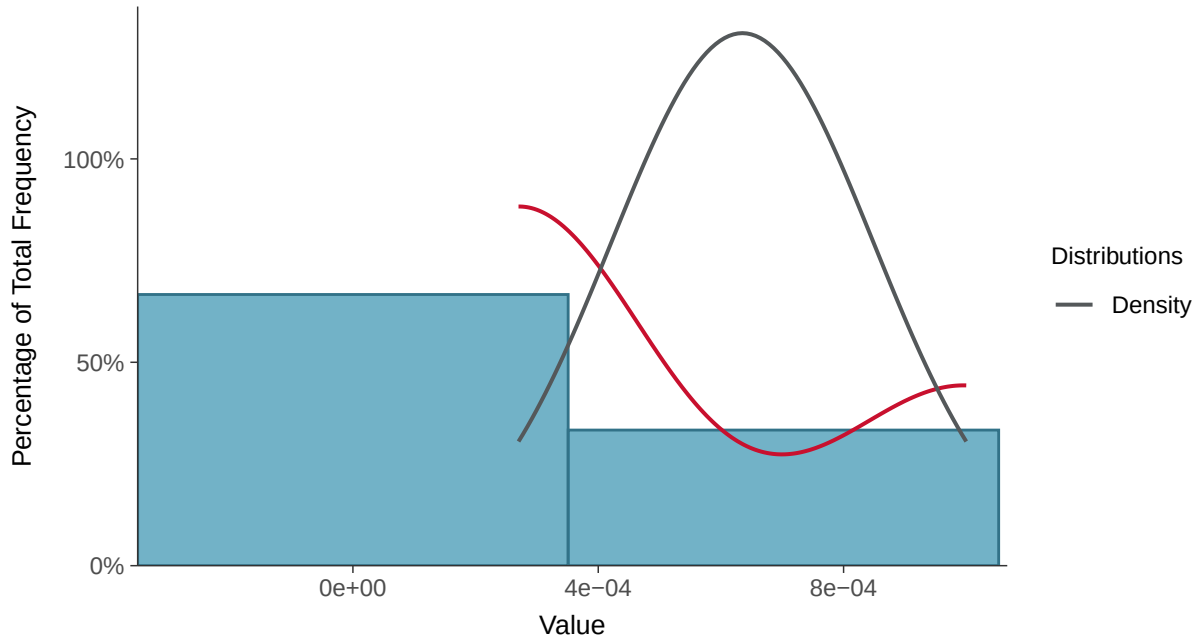
Scatter Plot

Beryllium, MW-17B (mg/l)



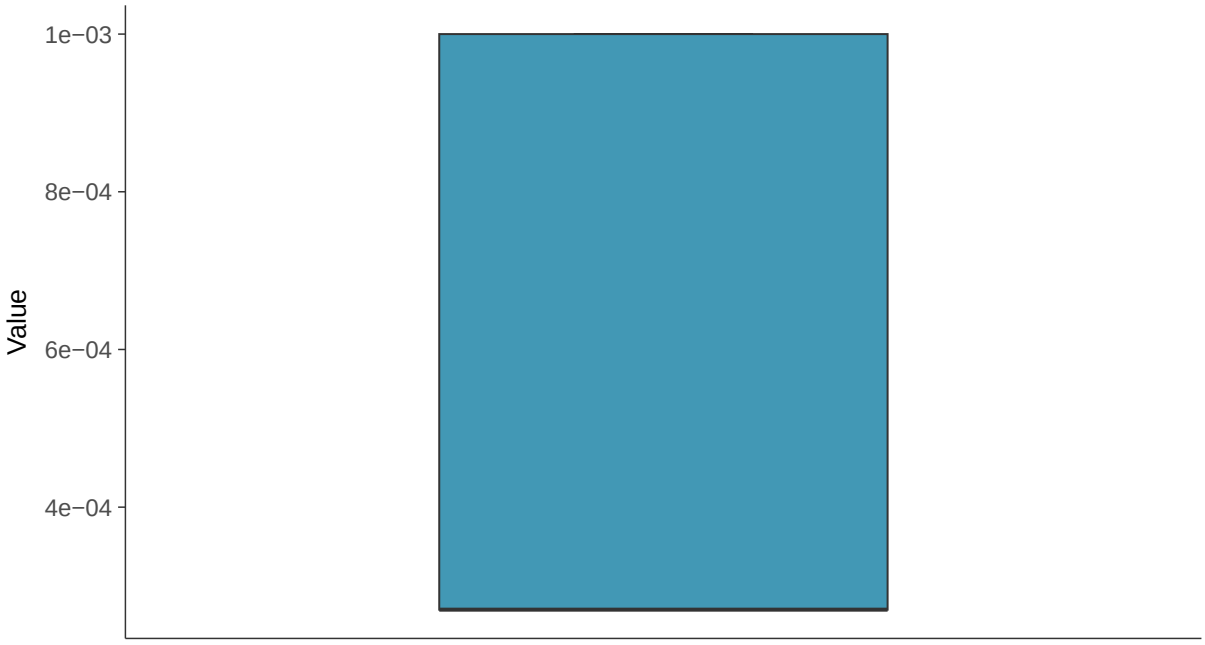
Histogram

Beryllium, MW-17B (mg/l)



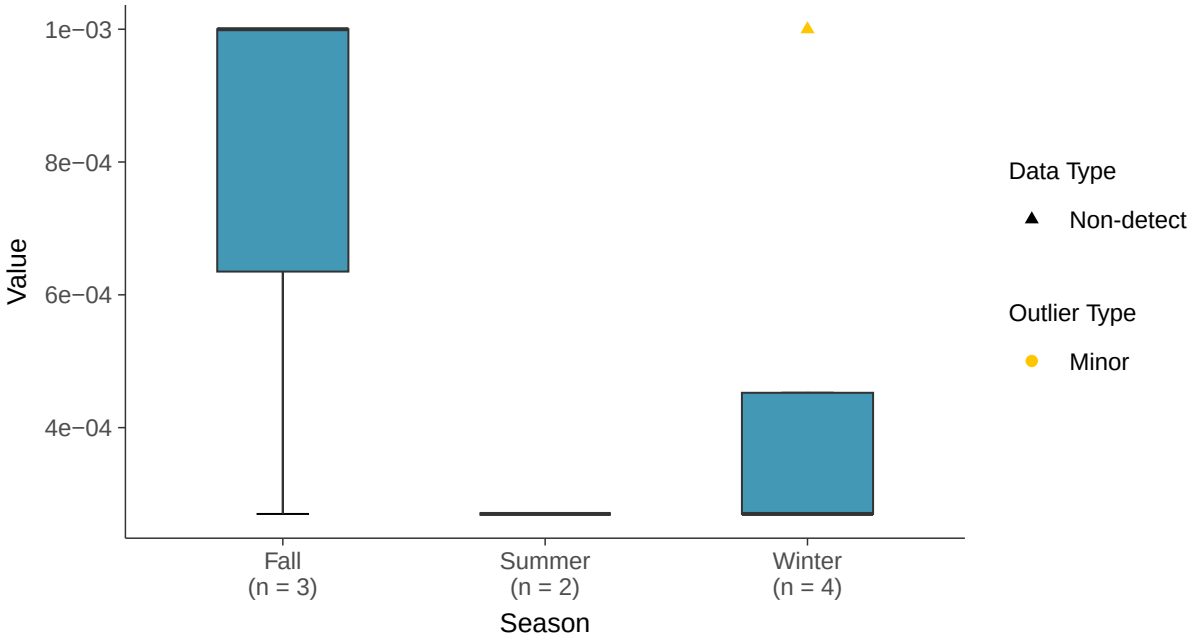
Boxplot

Beryllium, MW-17B (mg/l)



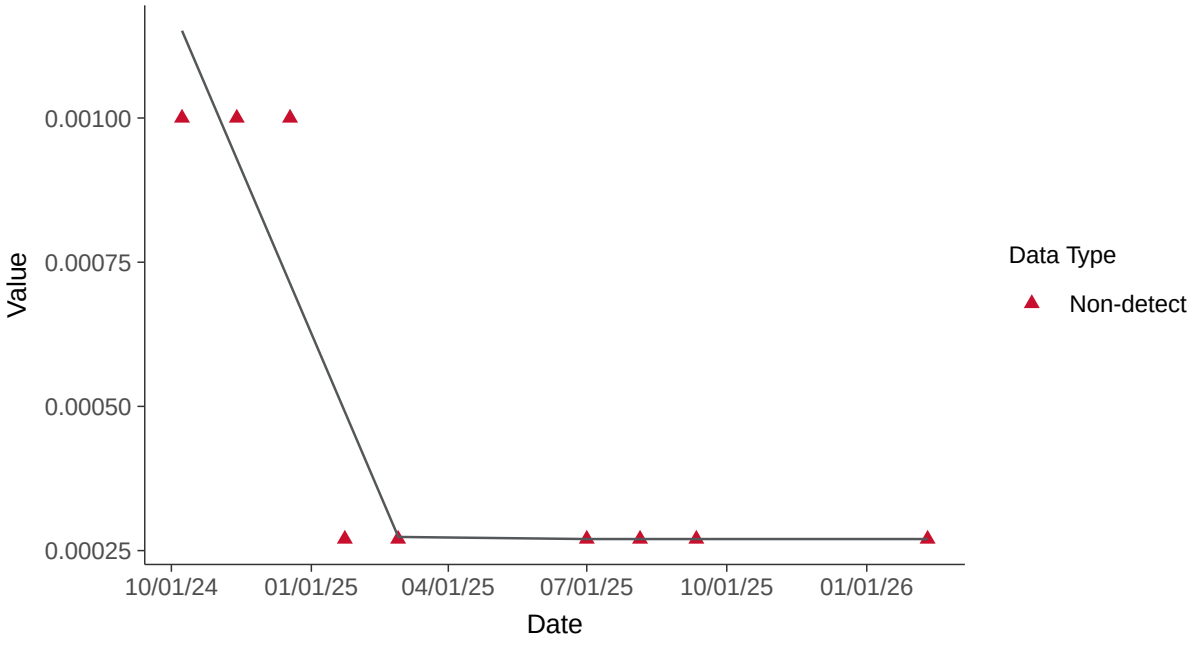
Boxplot by Season

Beryllium, MW-17B (mg/l)



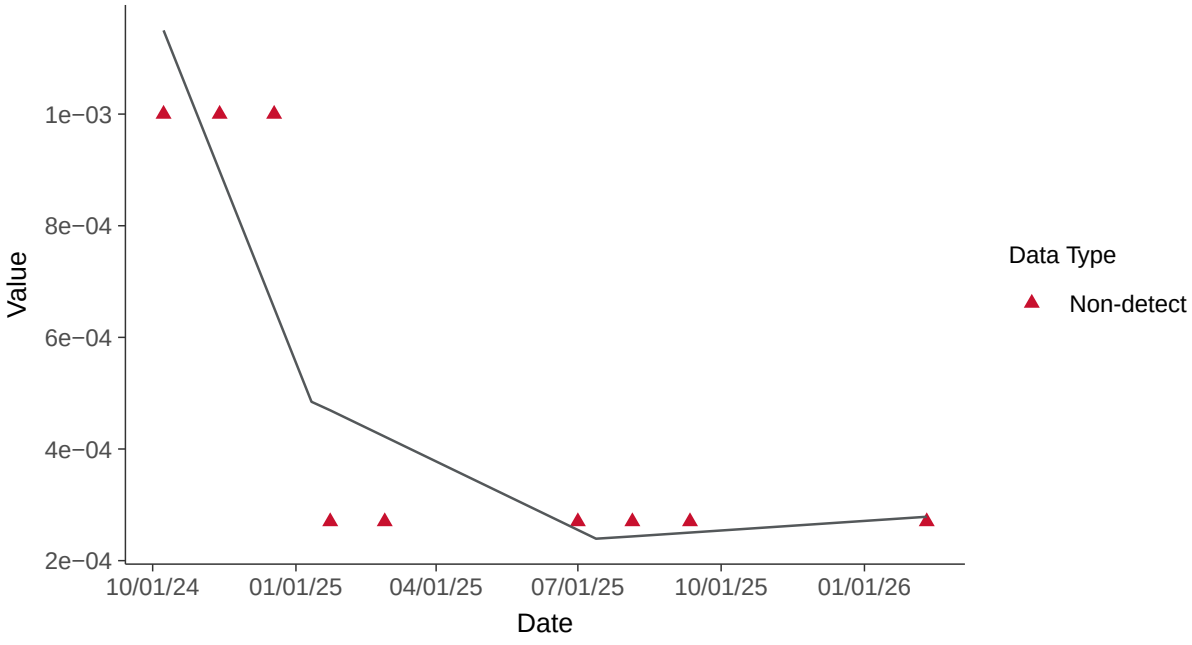
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-17B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Beryllium, MW-17B (mg/l)

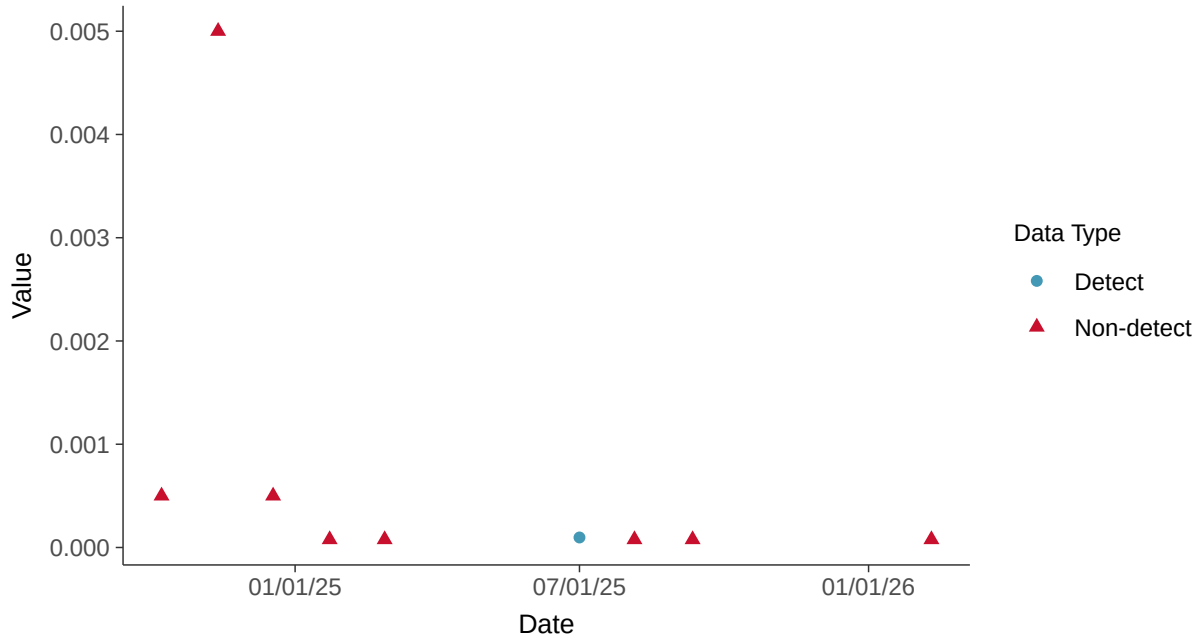


Appendix IV: Cadmium, MW-17B

ID: 26_3_106

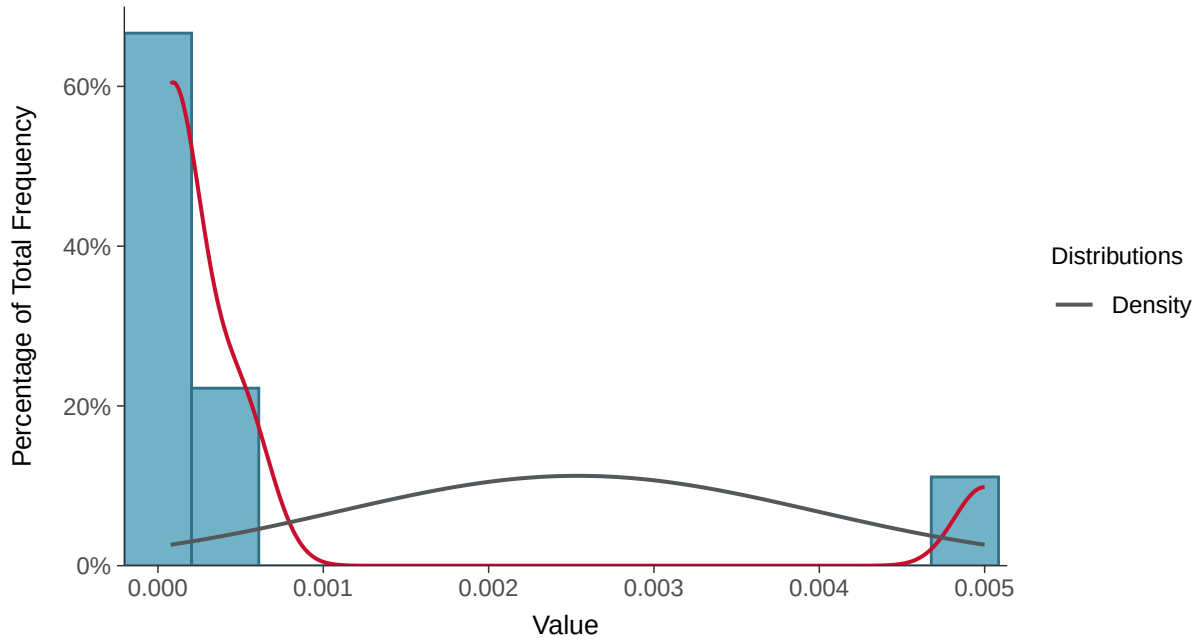
Scatter Plot

Cadmium, MW-17B (mg/l)



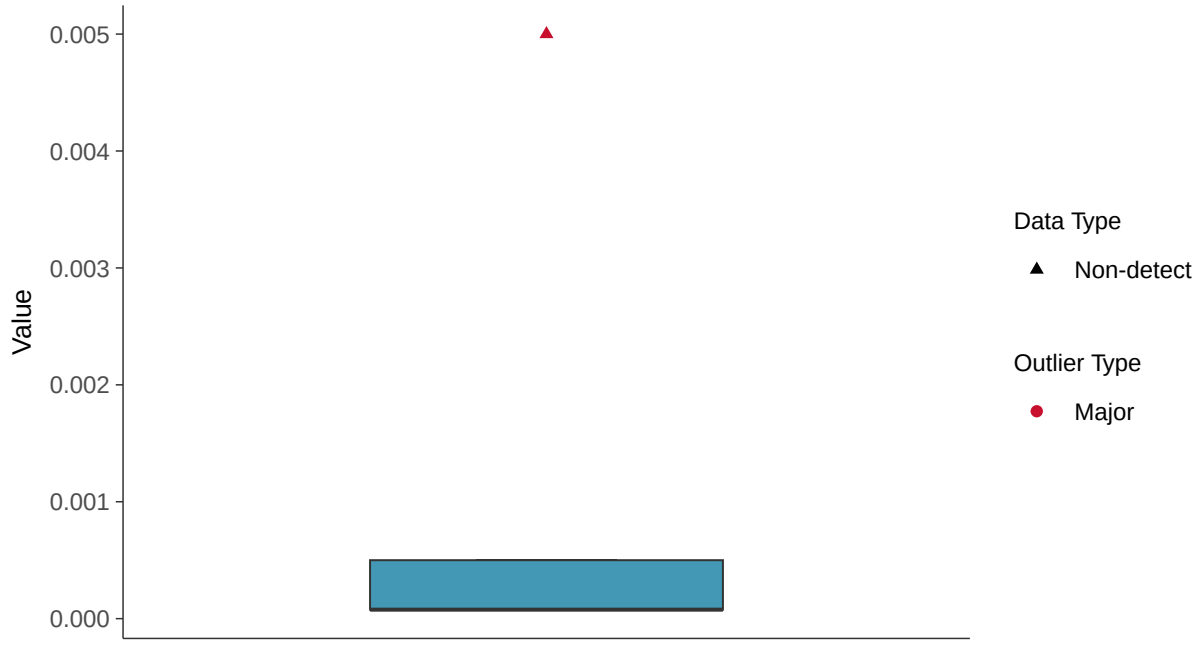
Histogram

Cadmium, MW-17B (mg/l)



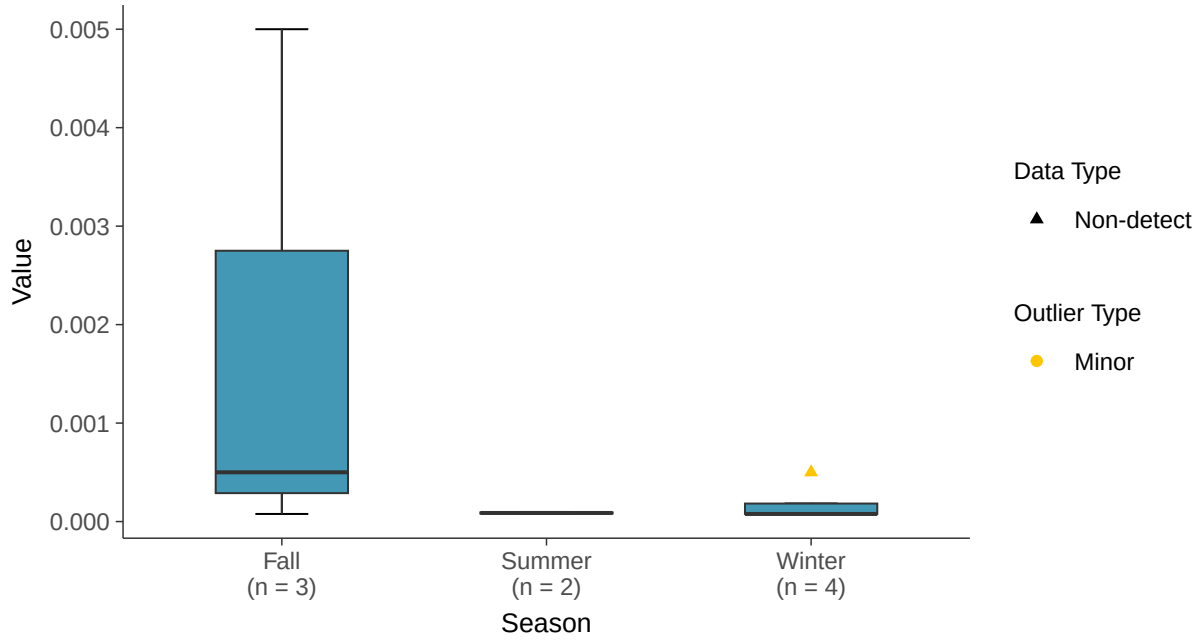
Boxplot

Cadmium, MW-17B (mg/l)



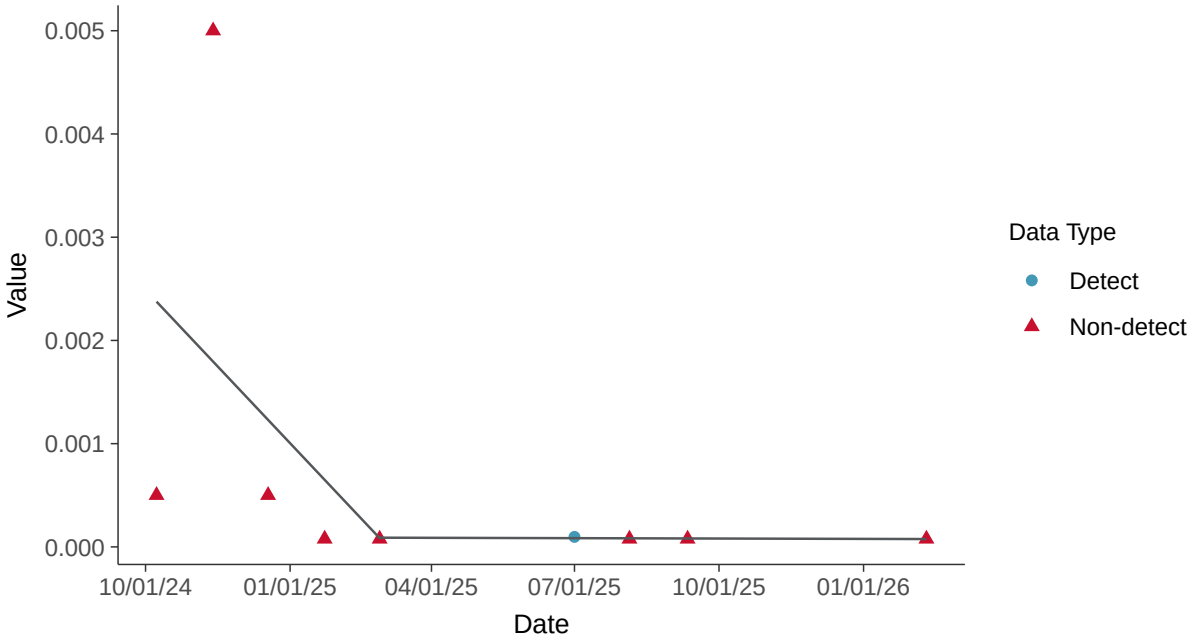
Boxplot by Season

Cadmium, MW-17B (mg/l)



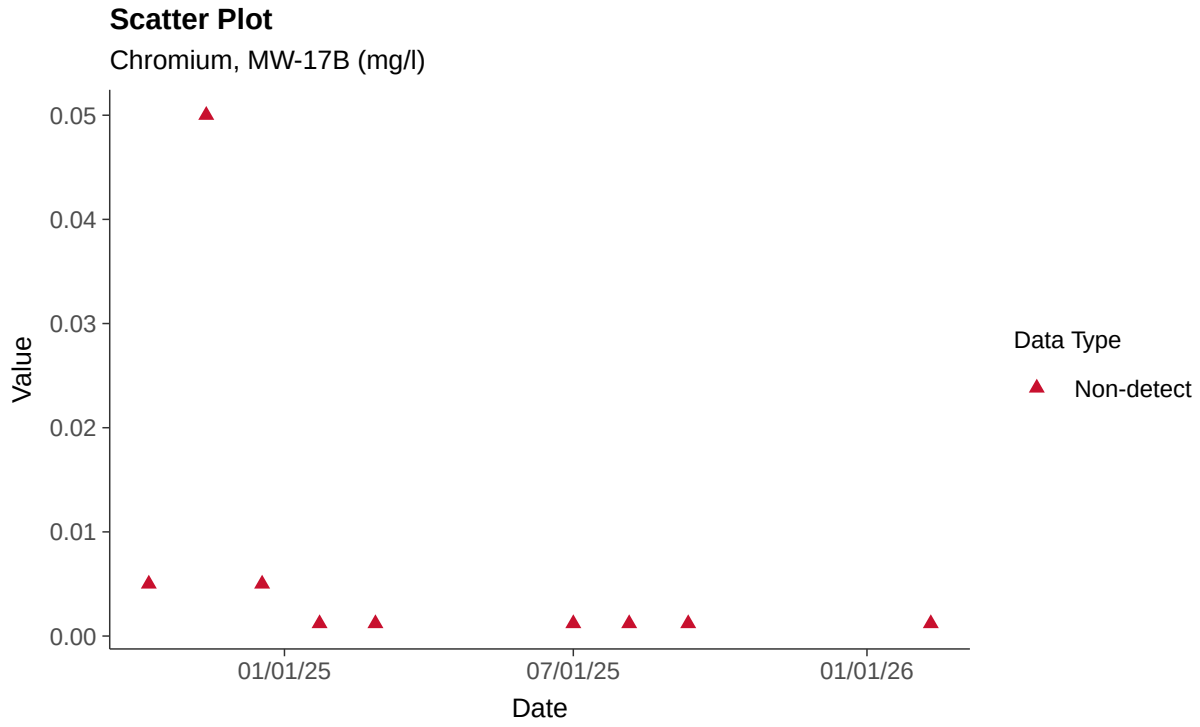
Trend Regression: Piecewise Linear-Linear

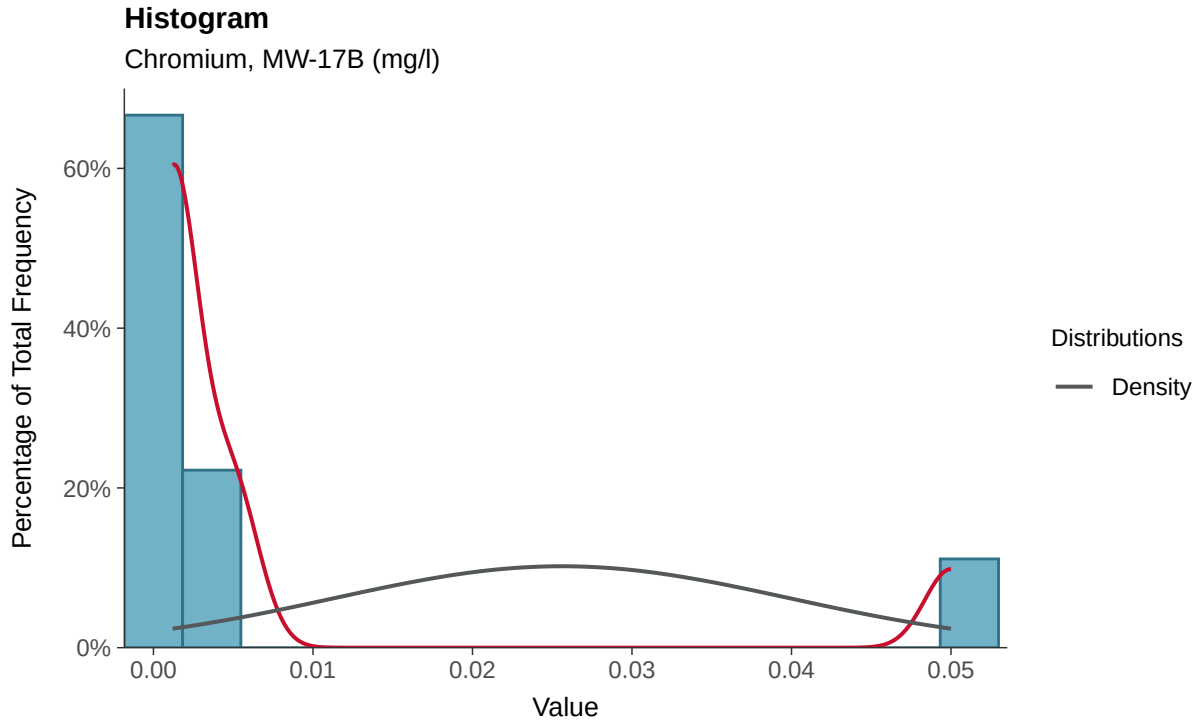
Cadmium, MW-17B (mg/l)



Appendix IV: Chromium, MW-17B

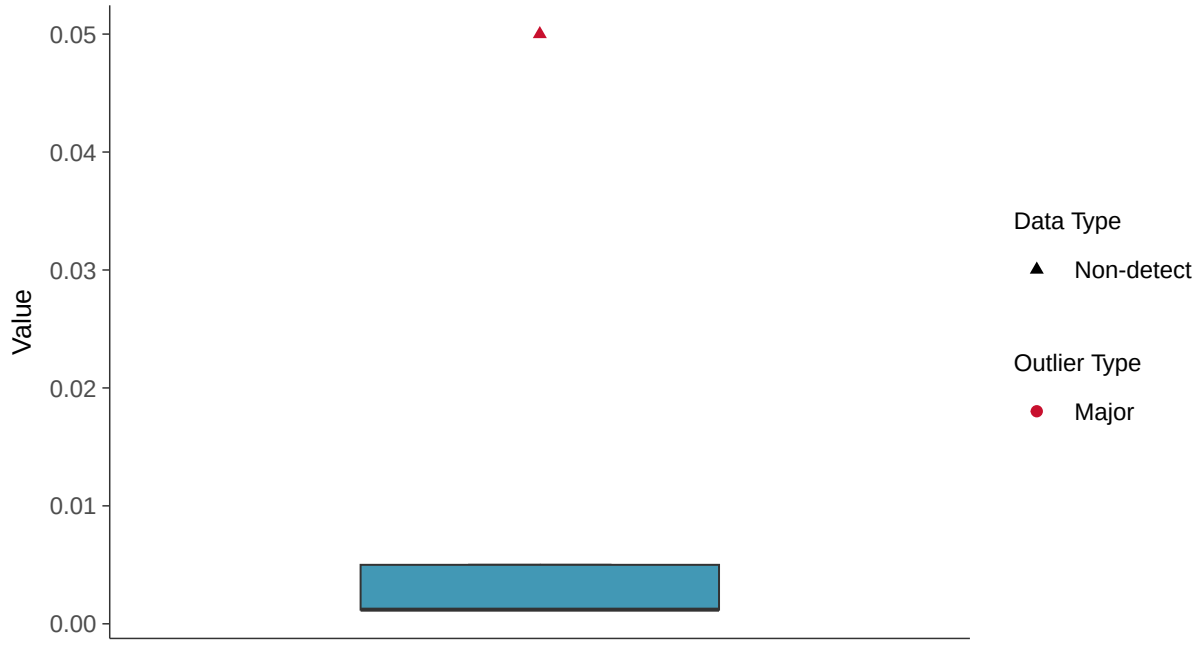
ID: 26_3_109





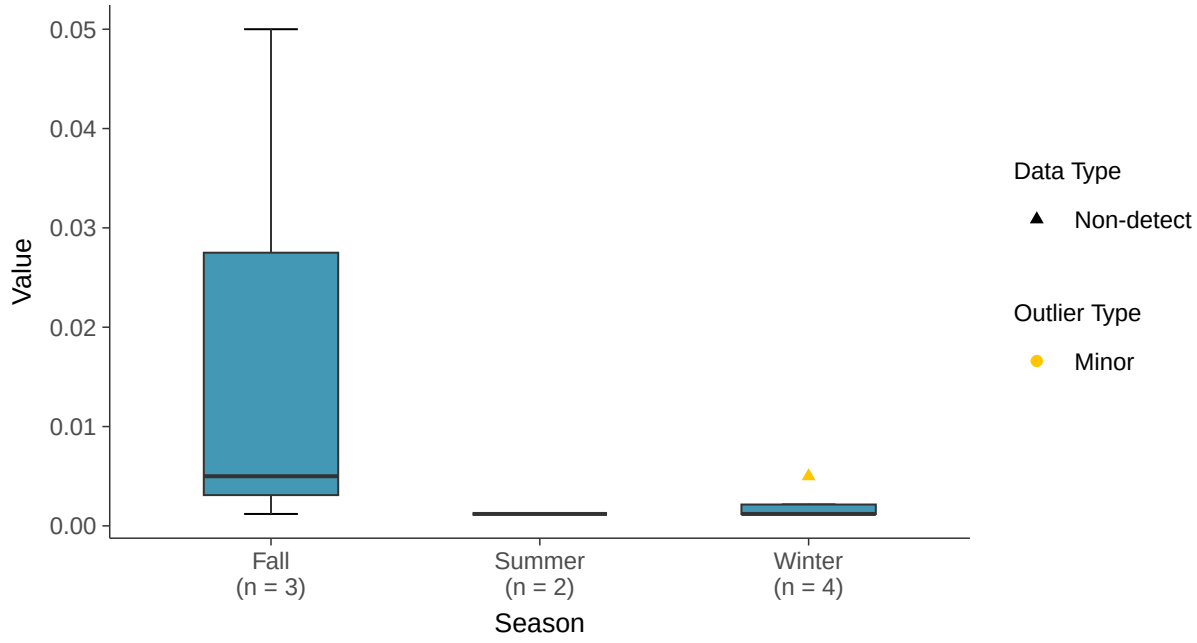
Boxplot

Chromium, MW-17B (mg/l)



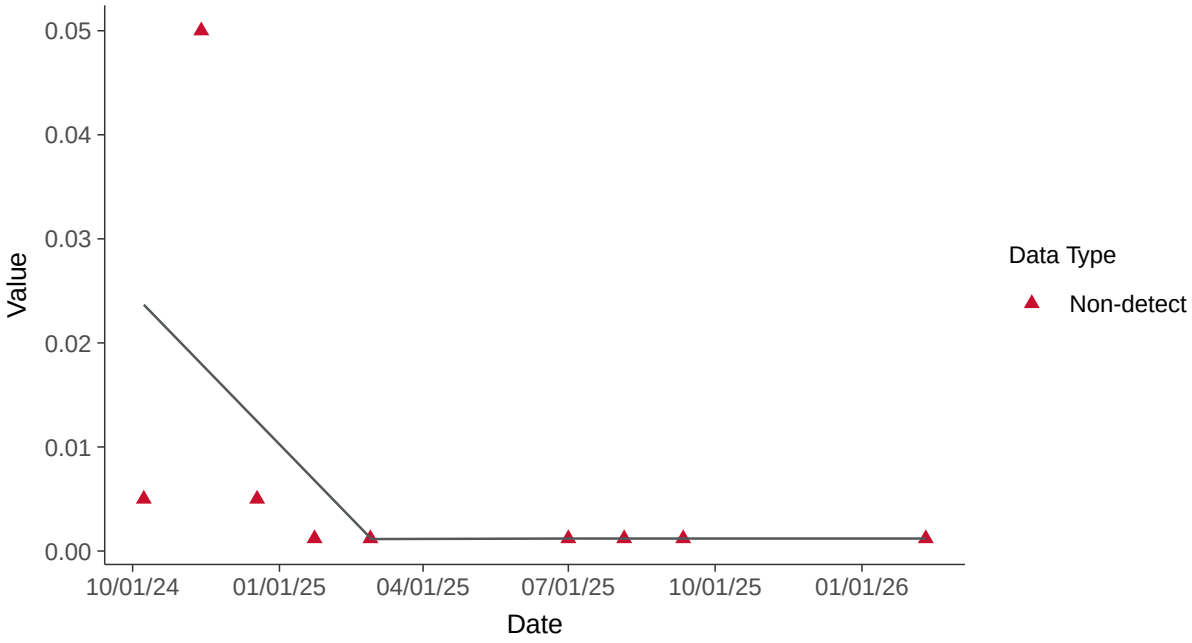
Boxplot by Season

Chromium, MW-17B (mg/l)



Trend Regression: Piecewise Linear-Linear

Chromium, MW-17B (mg/l)

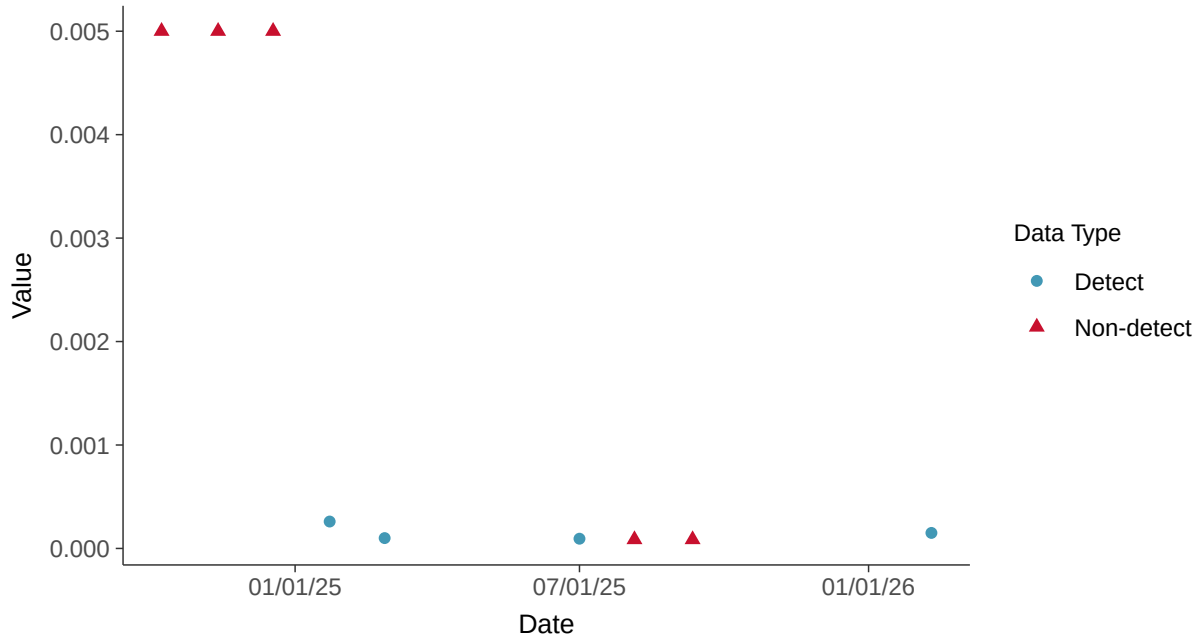


Appendix IV: Cobalt, MW-17B

ID: 26_3_110

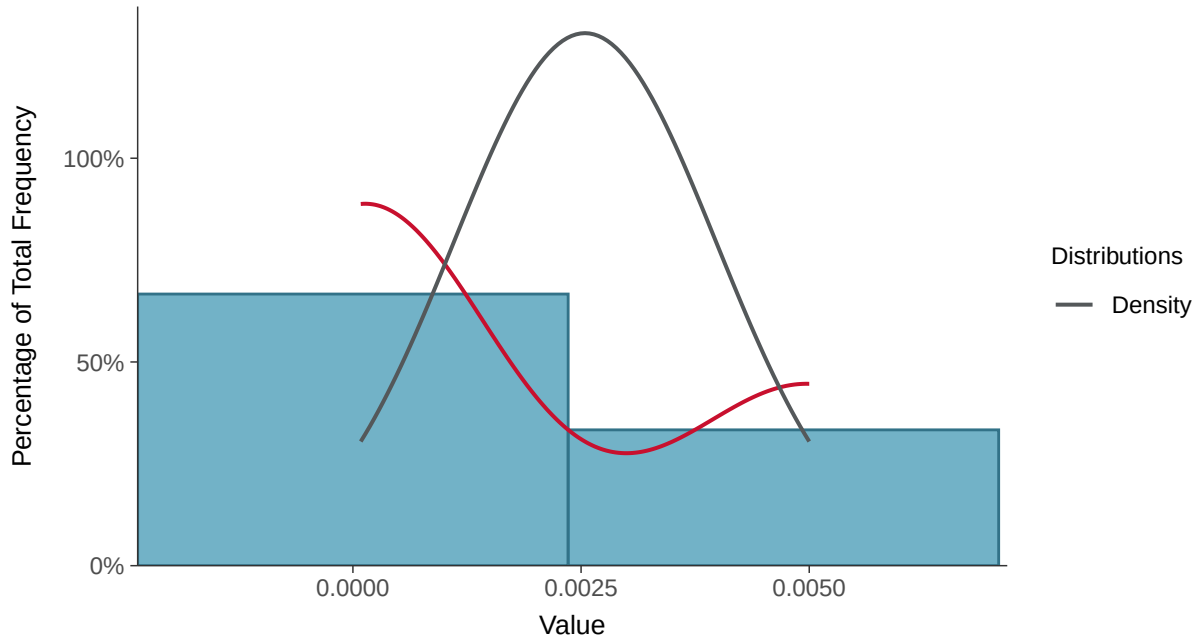
Scatter Plot

Cobalt, MW-17B (mg/l)



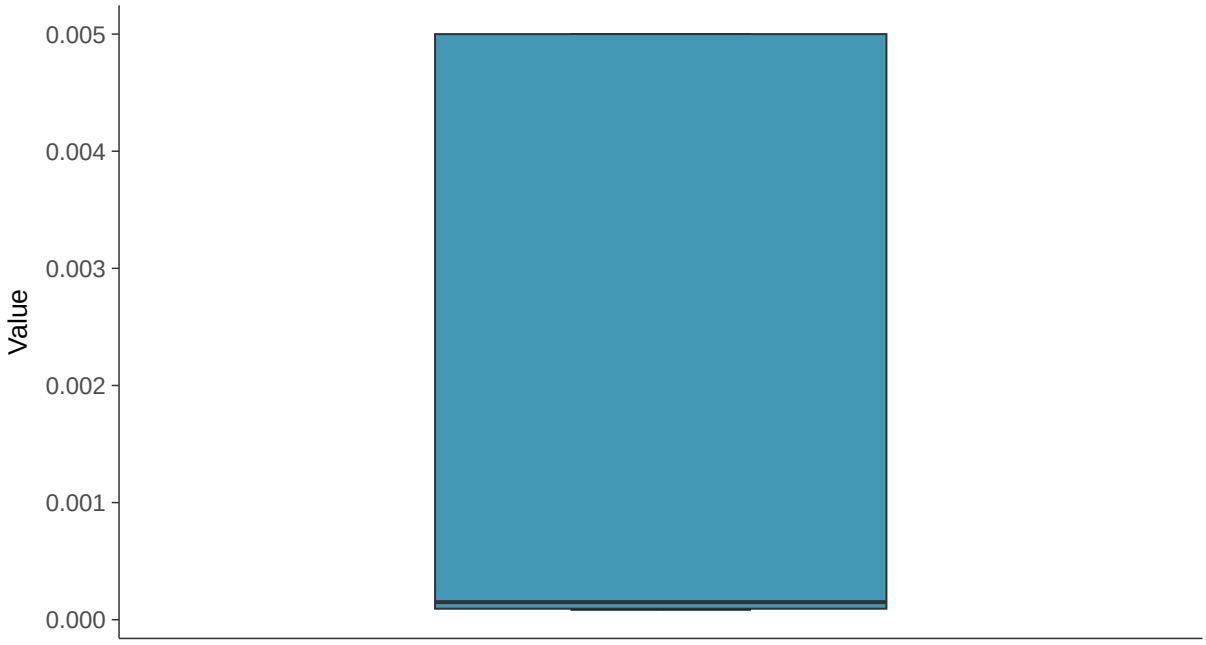
Histogram

Cobalt, MW-17B (mg/l)



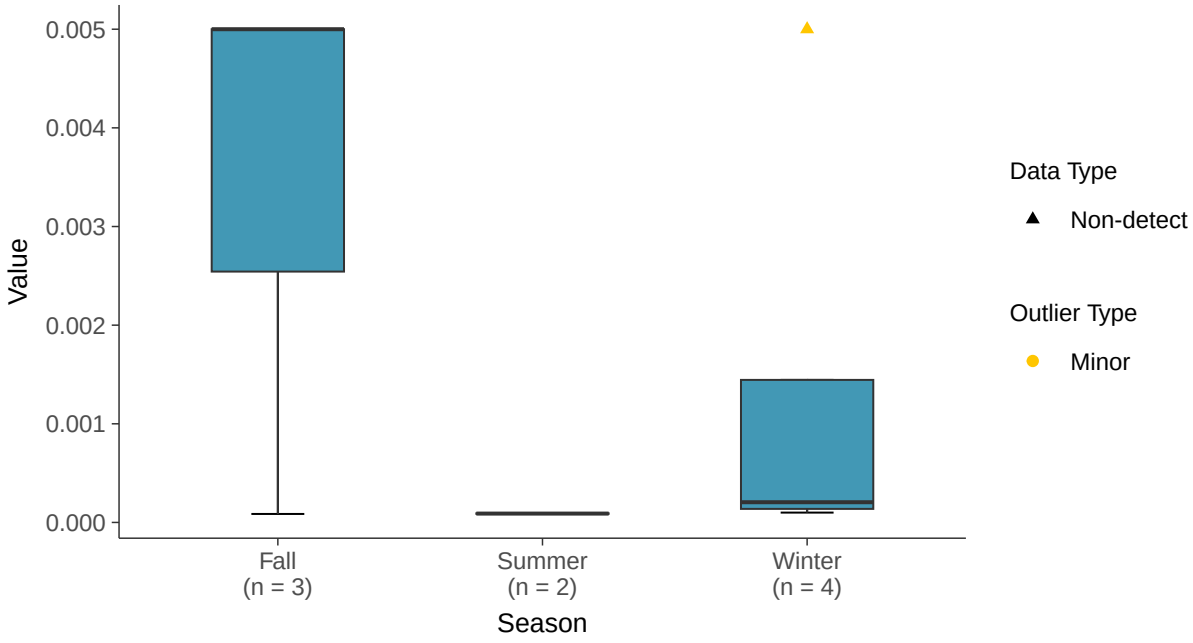
Boxplot

Cobalt, MW-17B (mg/l)



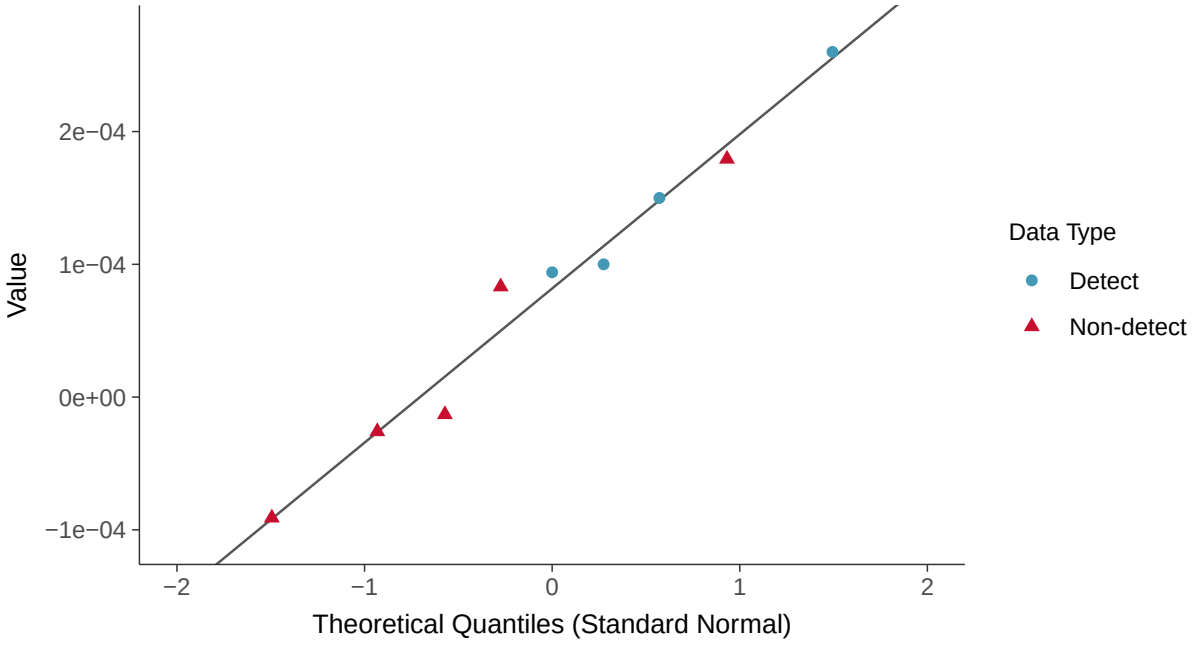
Boxplot by Season

Cobalt, MW-17B (mg/l)



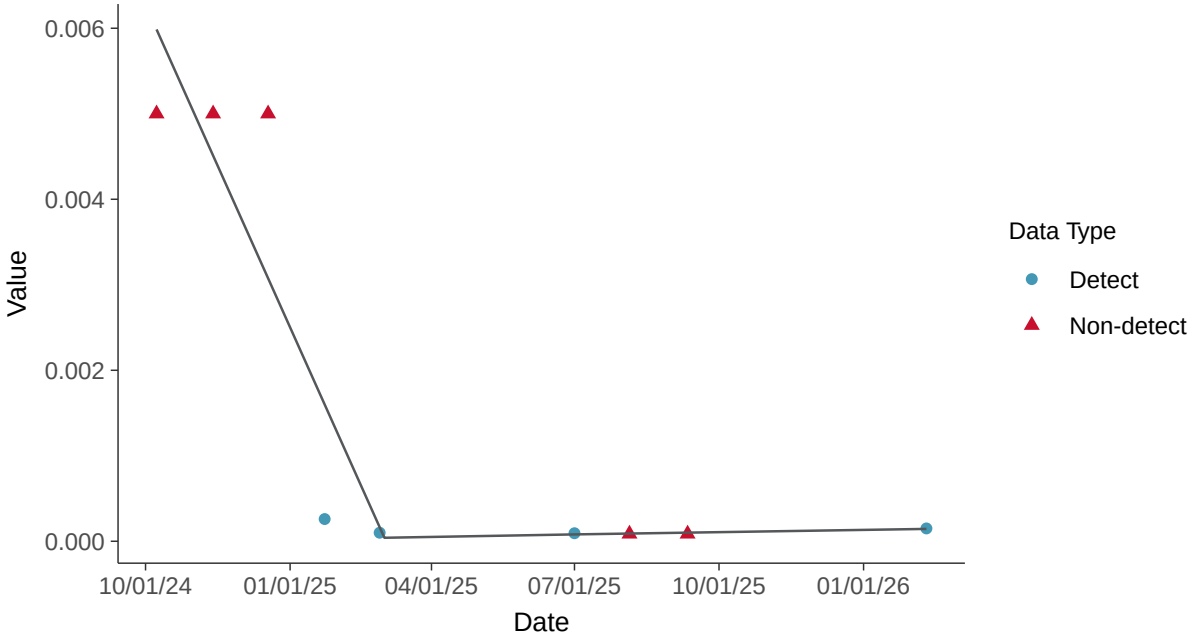
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-17B (mg/l)



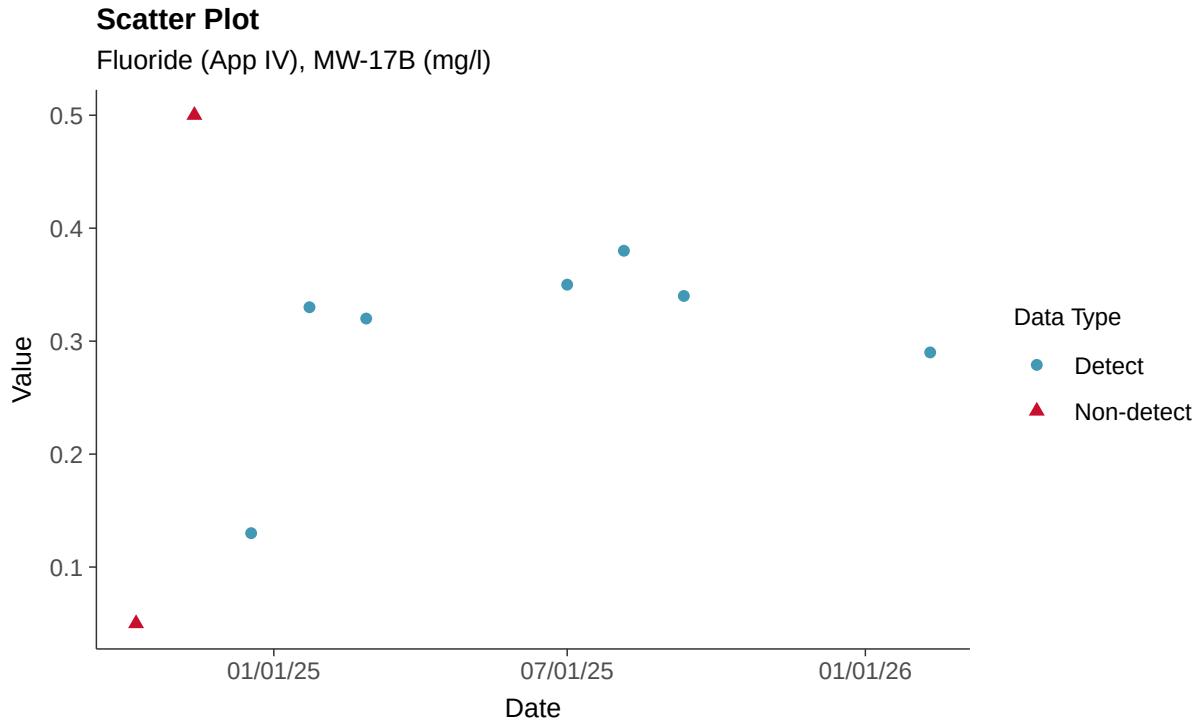
Trend Regression: Piecewise Linear-Linear

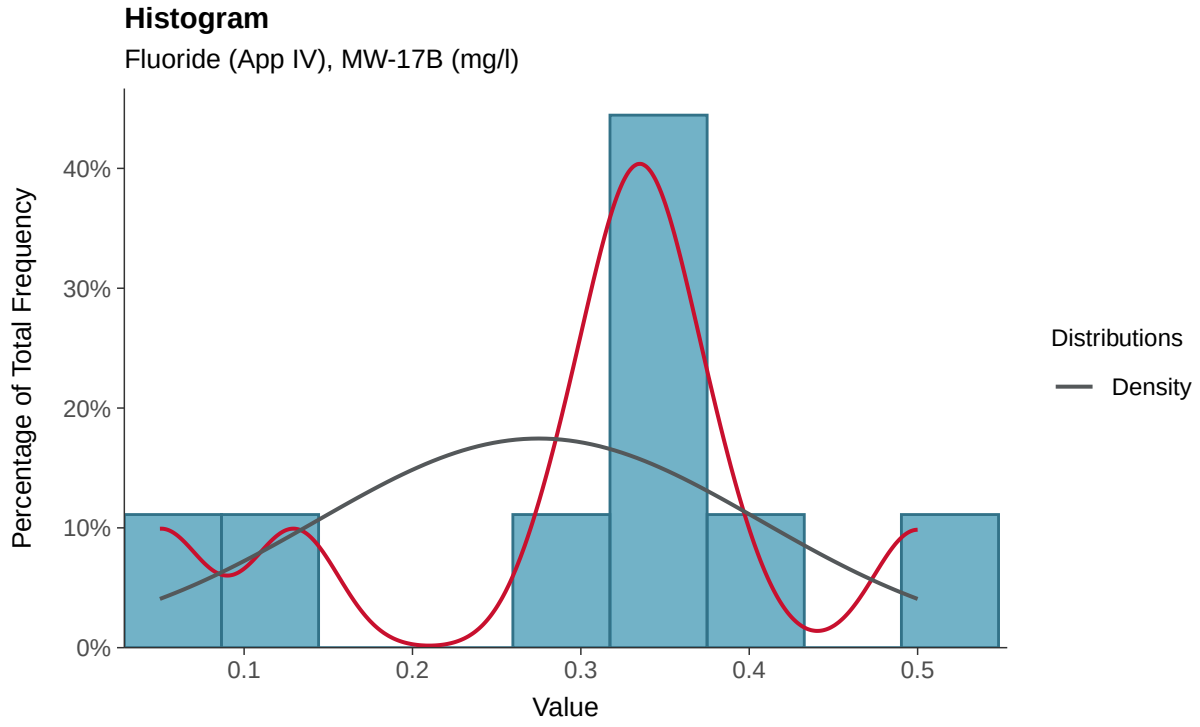
Cobalt, MW-17B (mg/l)



Appendix IV: Fluoride (App IV), MW-17B

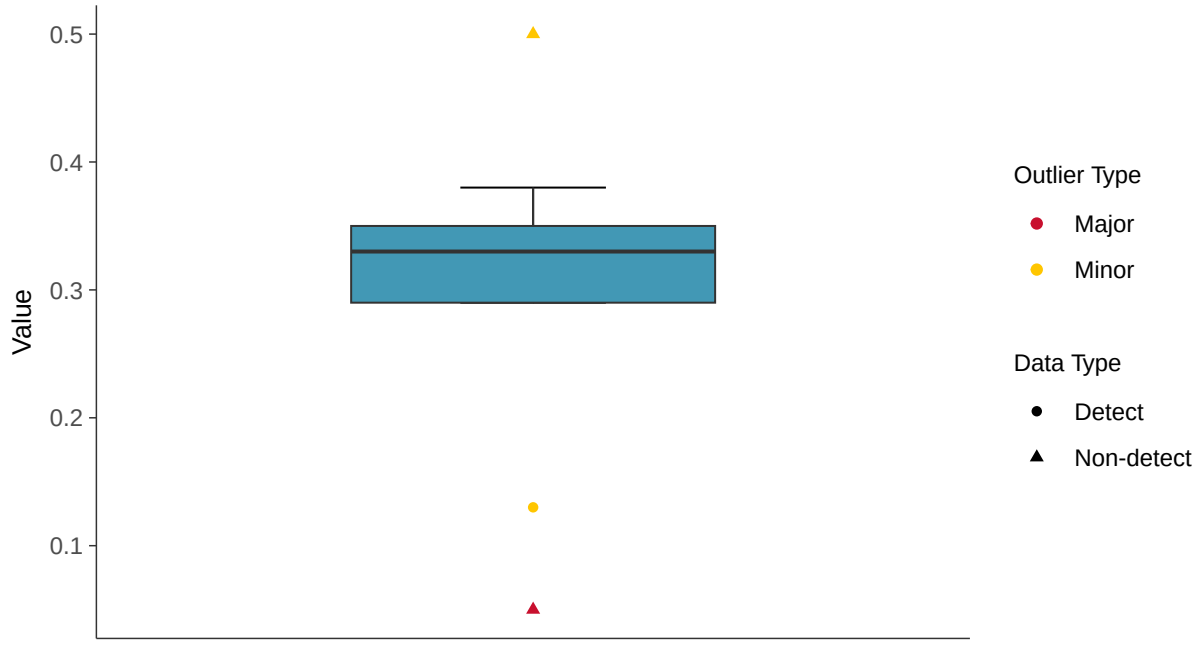
ID: 26_3_113





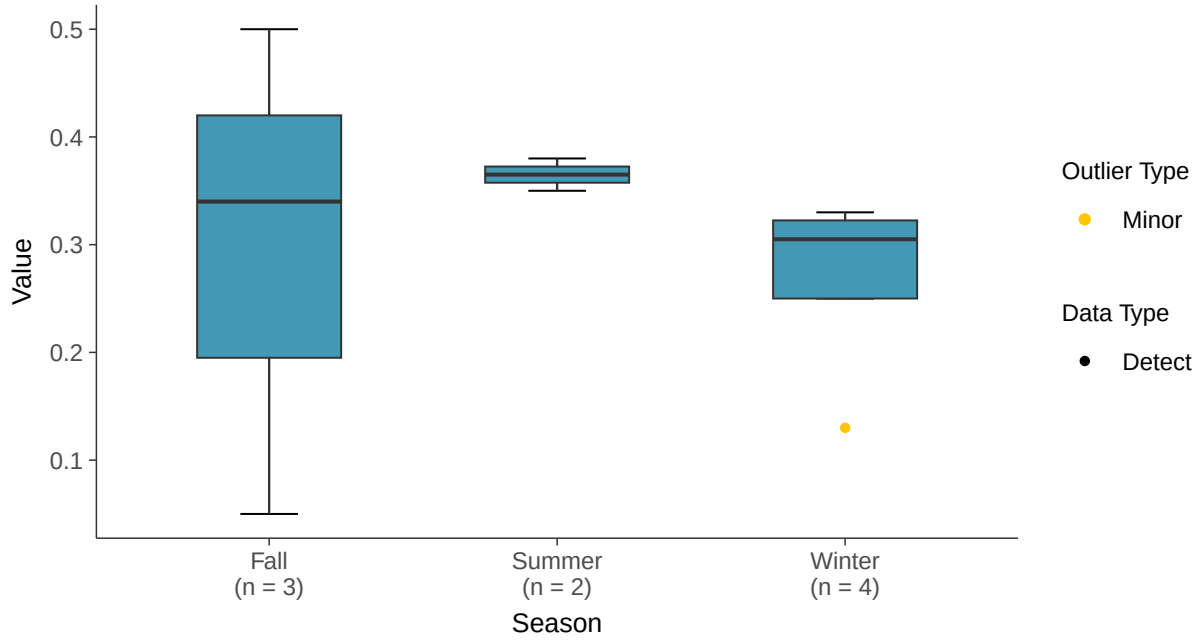
Boxplot

Fluoride (App IV), MW-17B (mg/l)



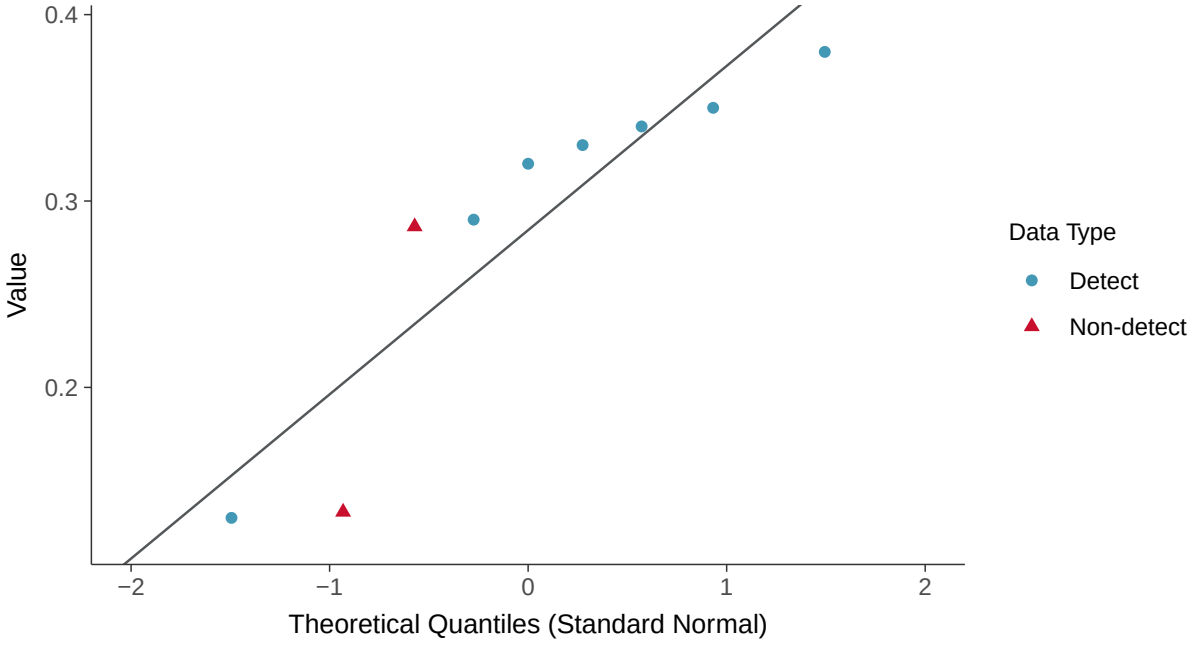
Boxplot by Season

Fluoride (App IV), MW-17B (mg/l)



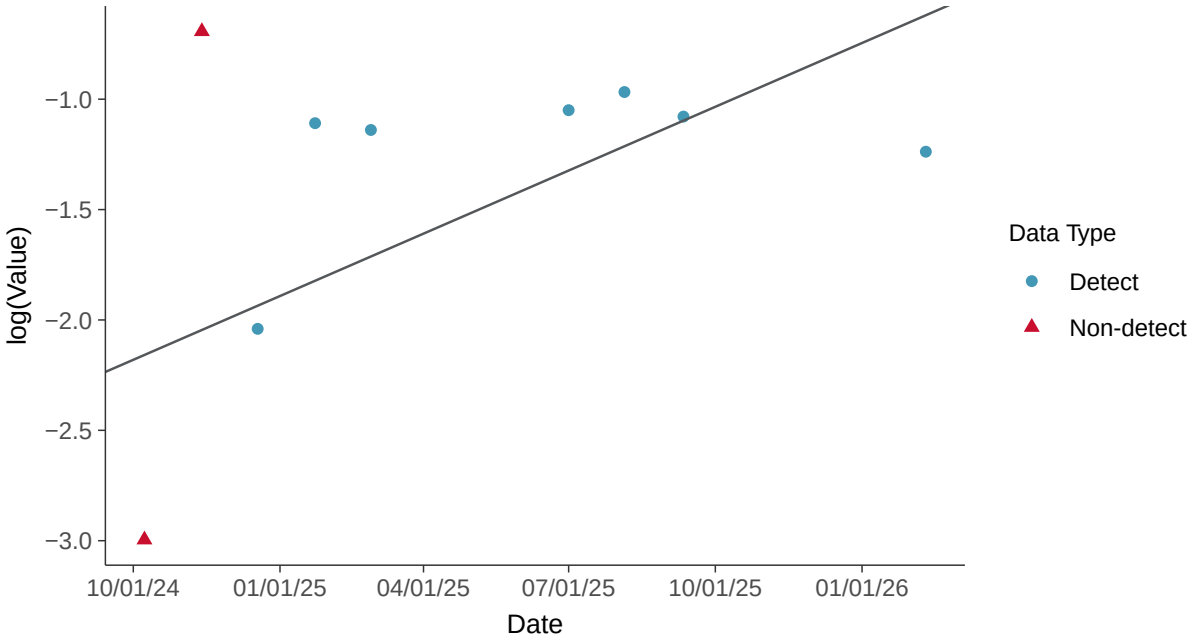
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-17B (mg/l)



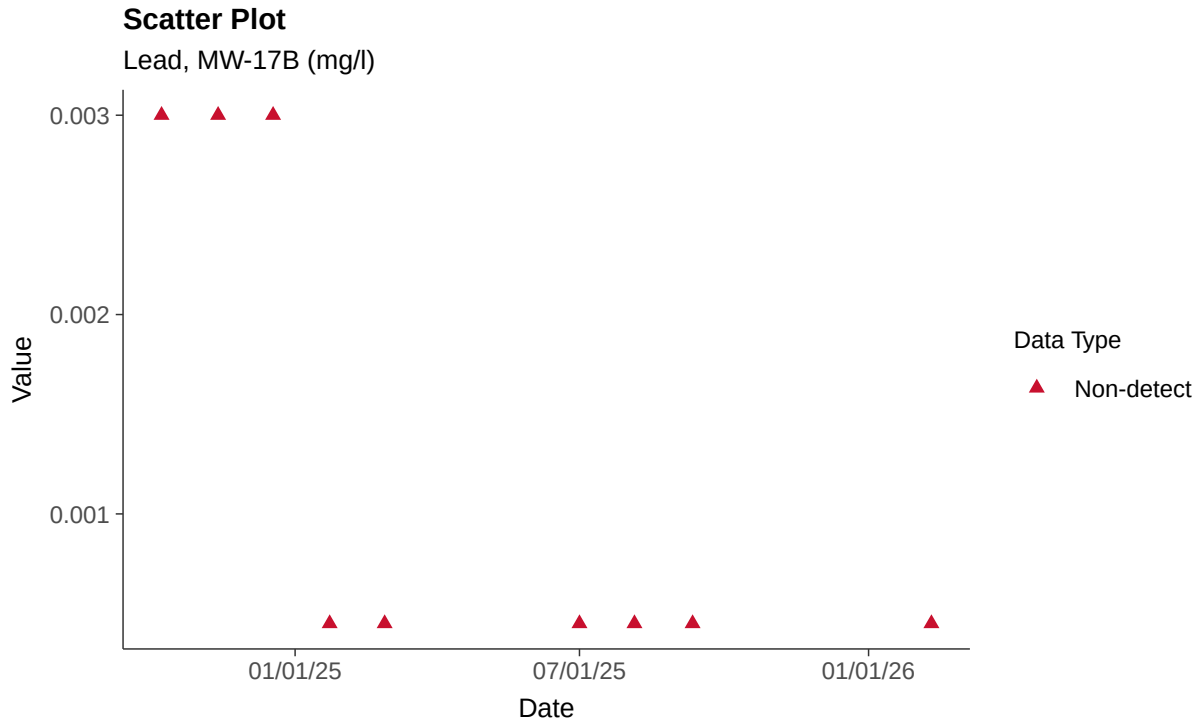
Trend Regression: Lognormal MLE

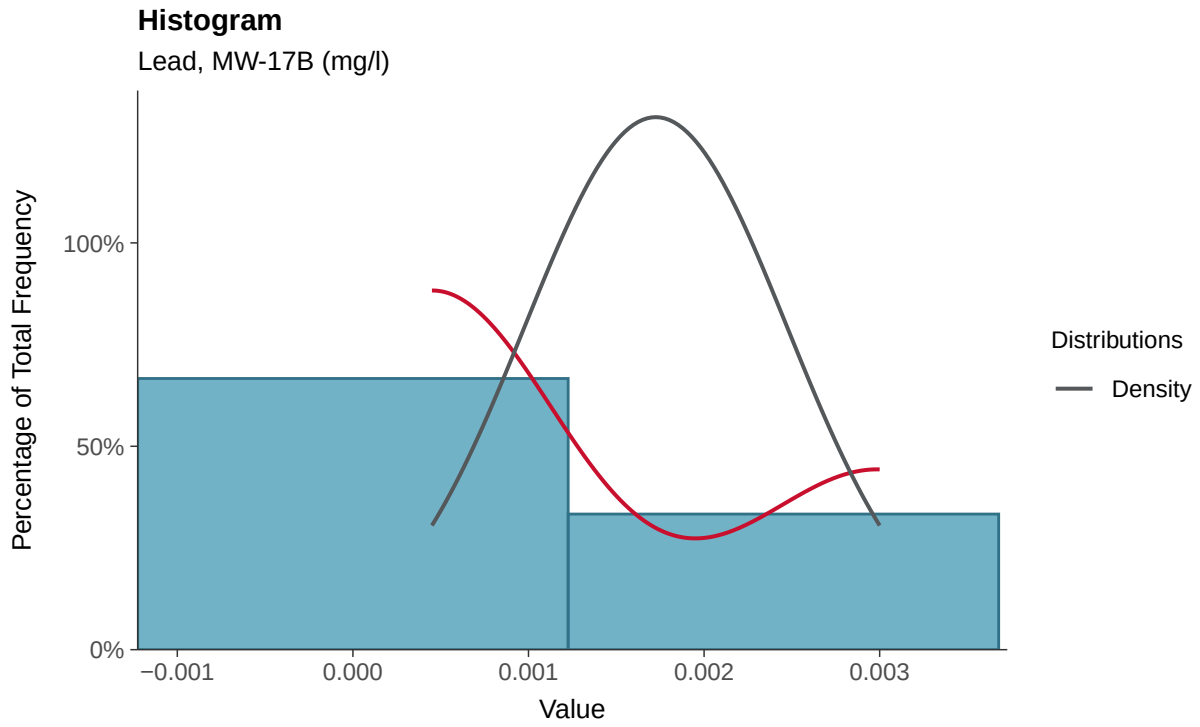
Fluoride (App IV), MW-17B (mg/l)



Appendix IV: Lead, MW-17B

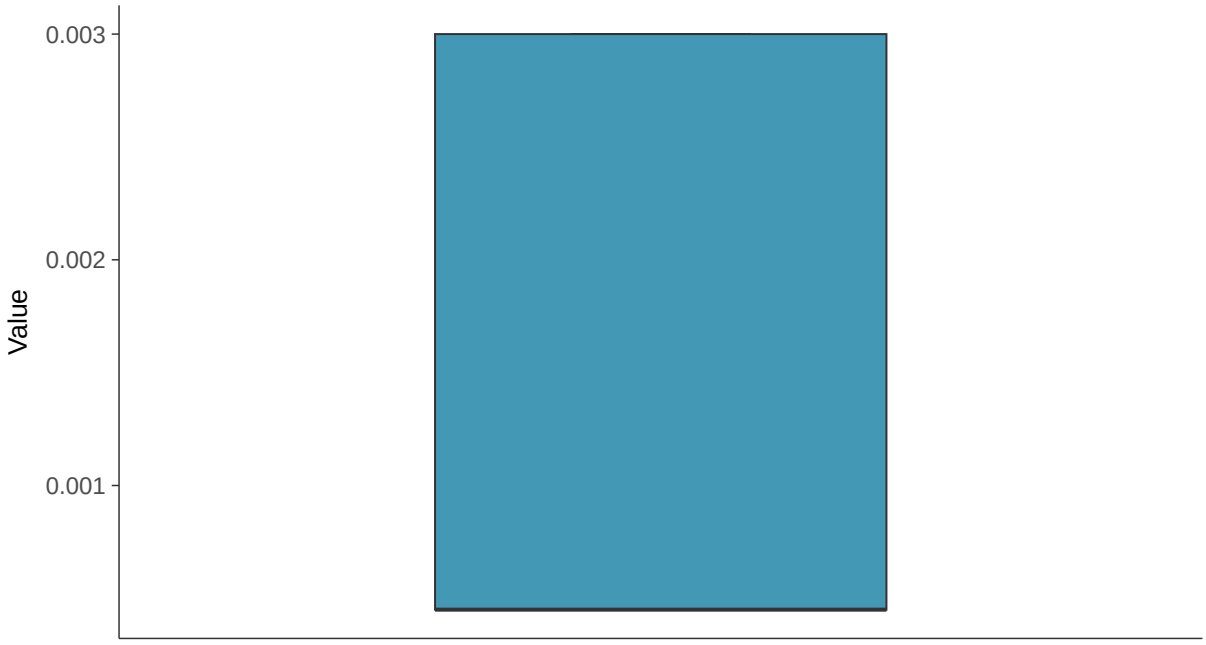
ID: 26_3_115





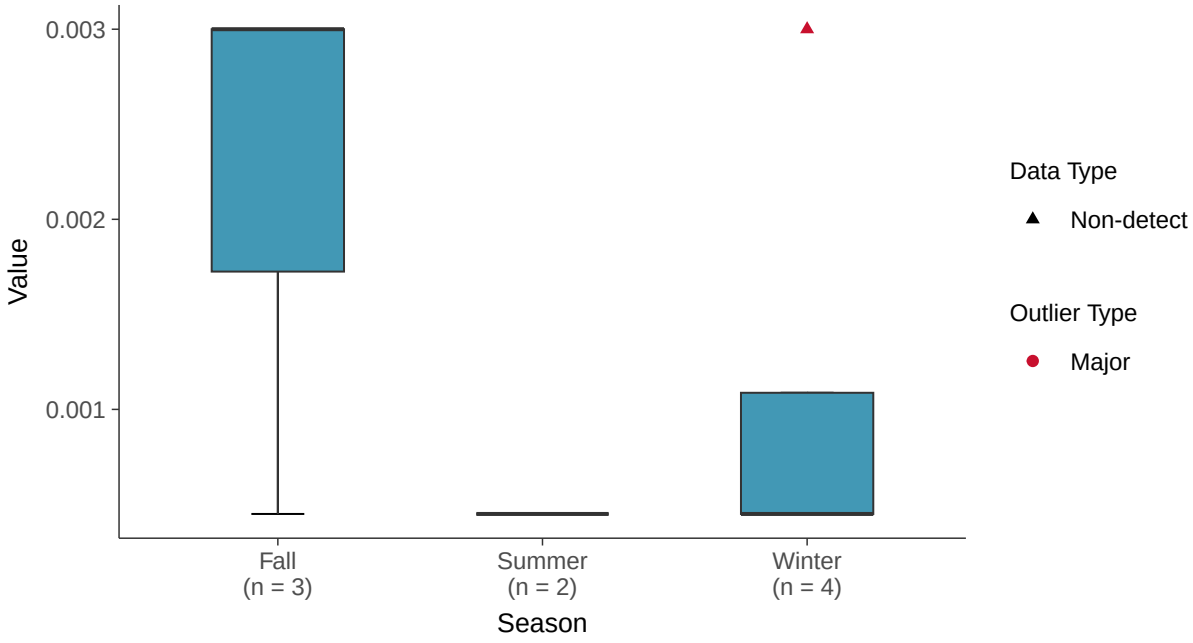
Boxplot

Lead, MW-17B (mg/l)



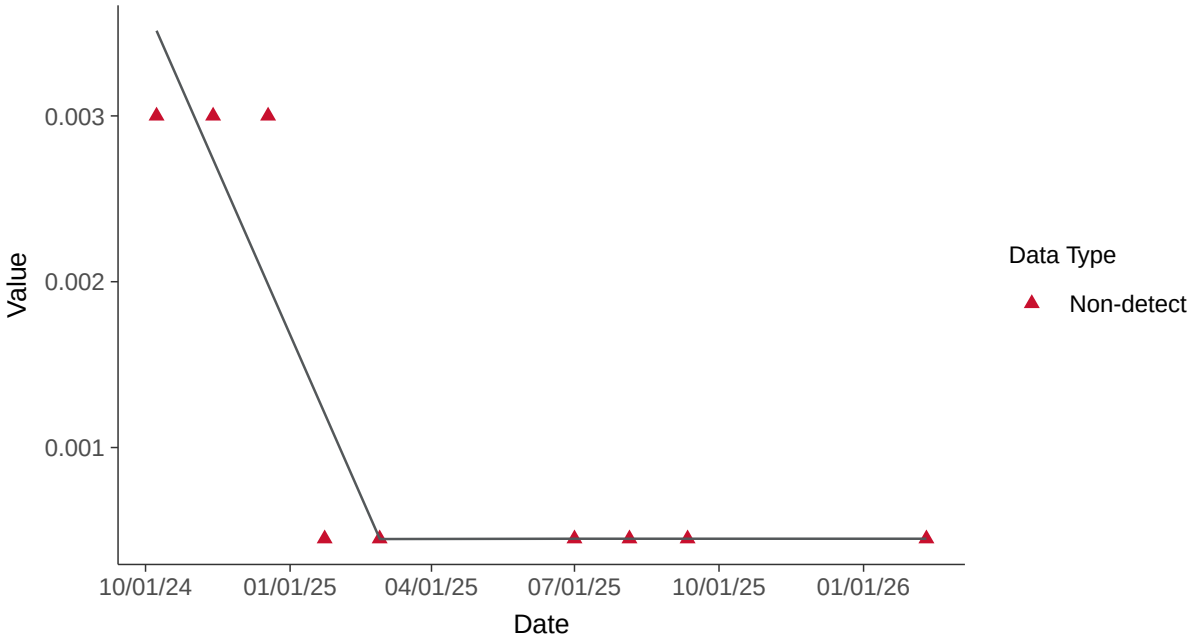
Boxplot by Season

Lead, MW-17B (mg/l)



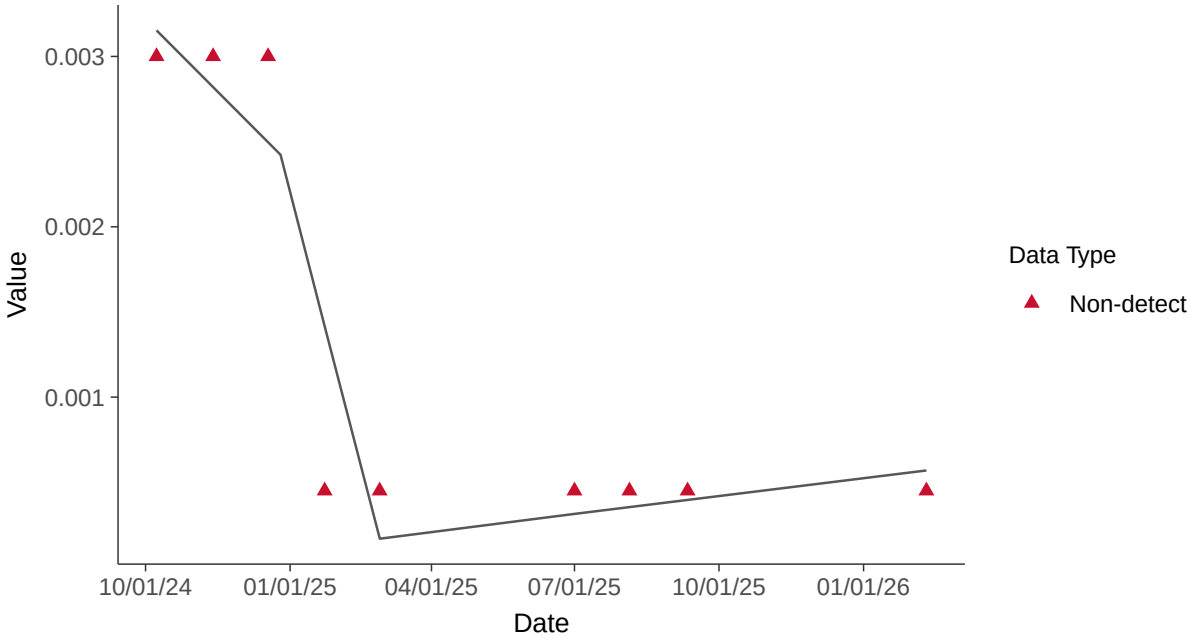
Trend Regression: Piecewise Linear-Linear

Lead, MW-17B (mg/l)



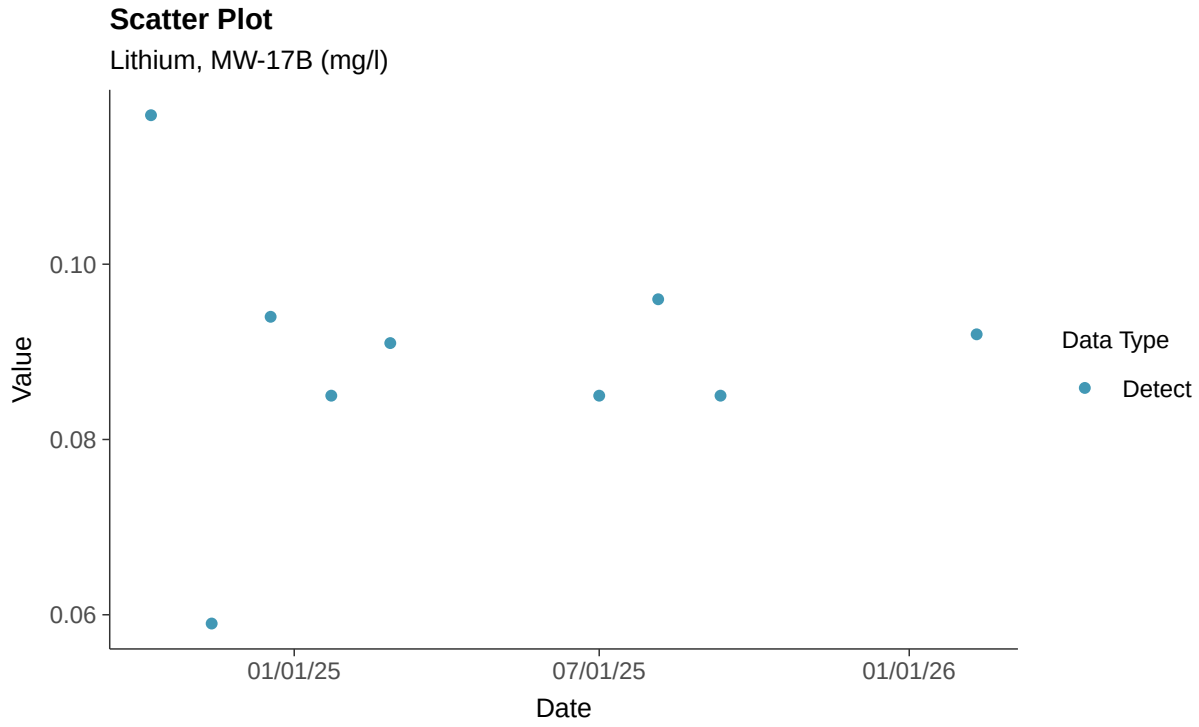
Trend Regression: Piecewise Linear-Linear-Linear

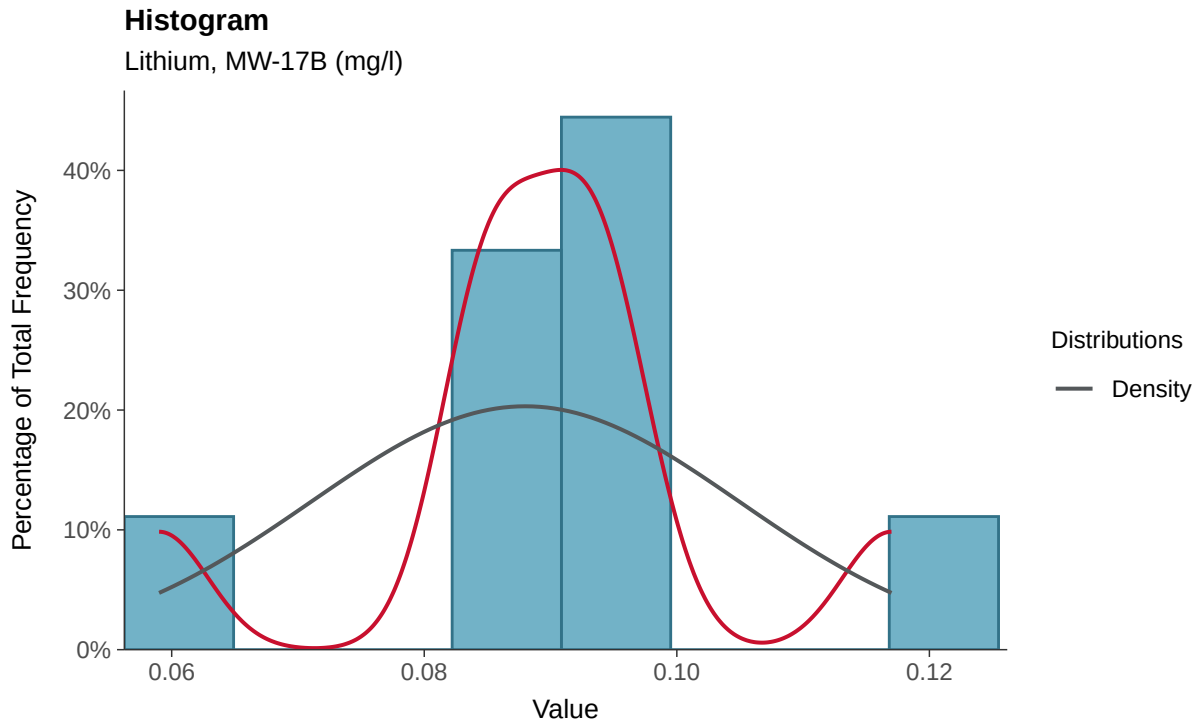
Lead, MW-17B (mg/l)



Appendix IV: Lithium, MW-17B

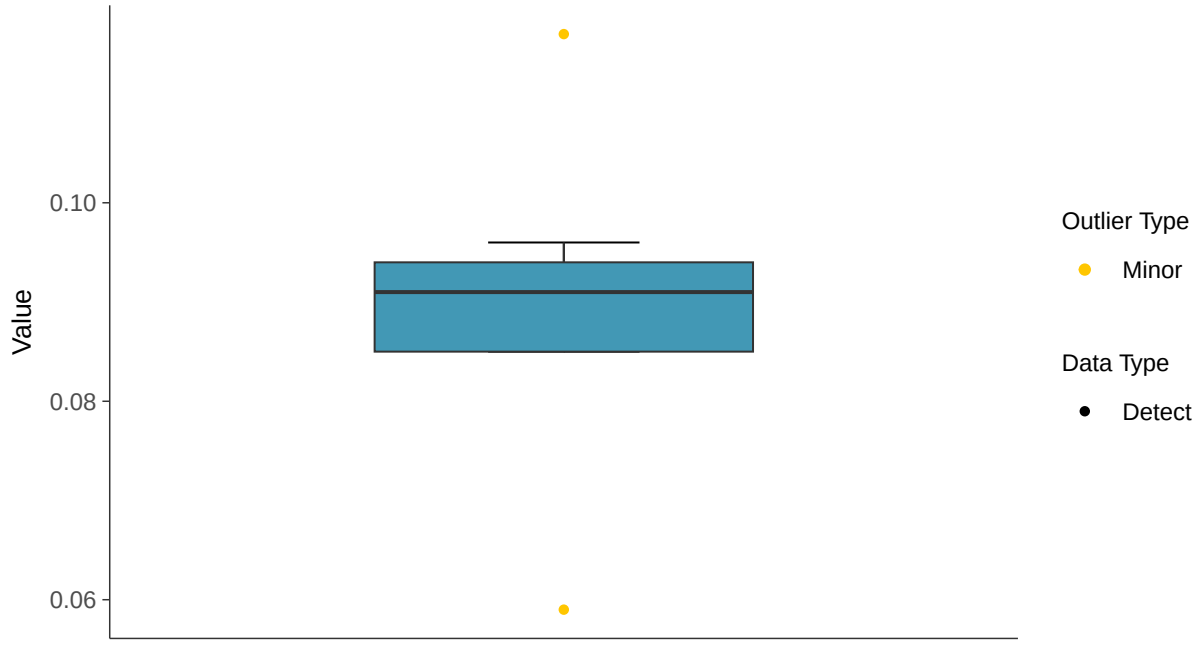
ID: 26_3_116





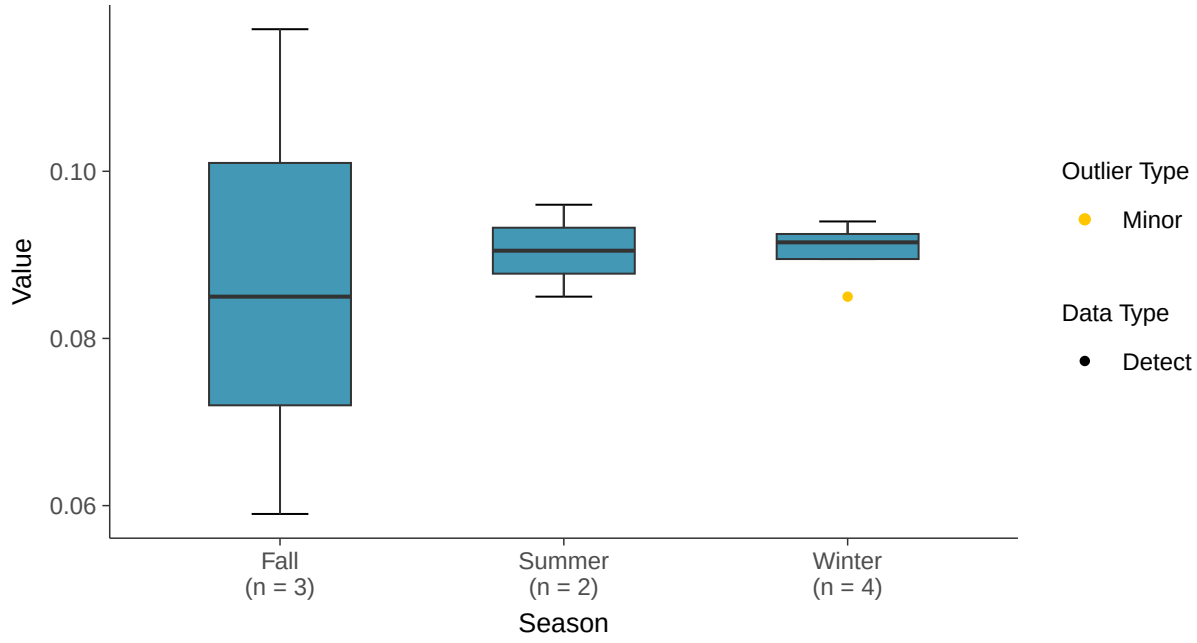
Boxplot

Lithium, MW-17B (mg/l)



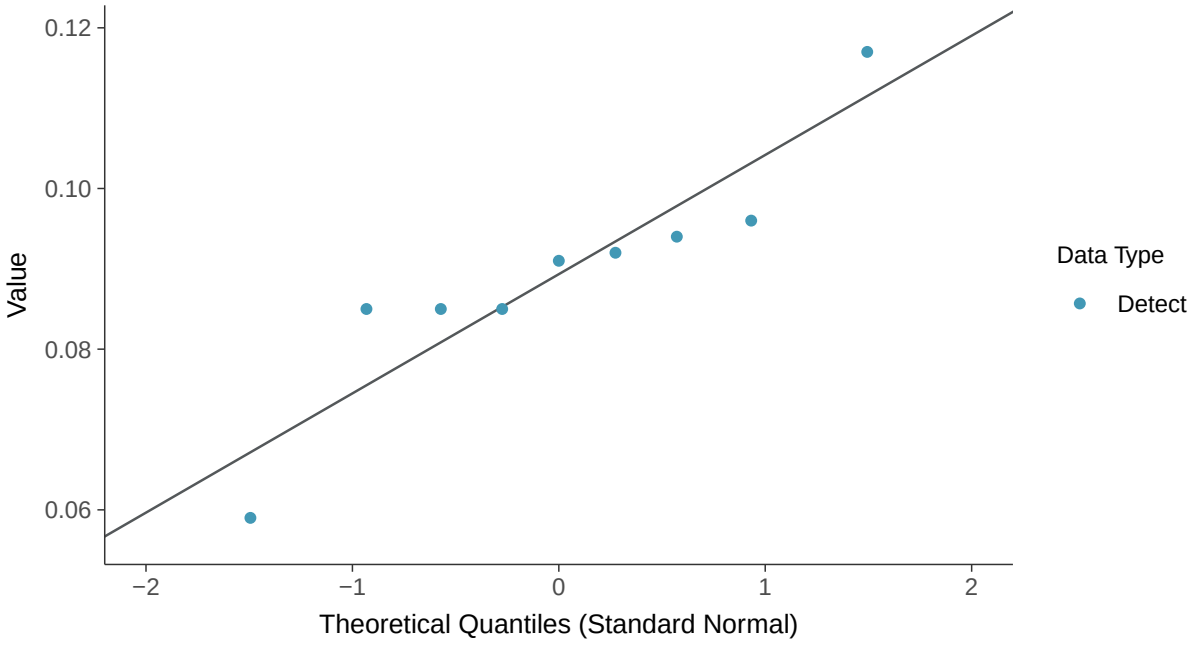
Boxplot by Season

Lithium, MW-17B (mg/l)



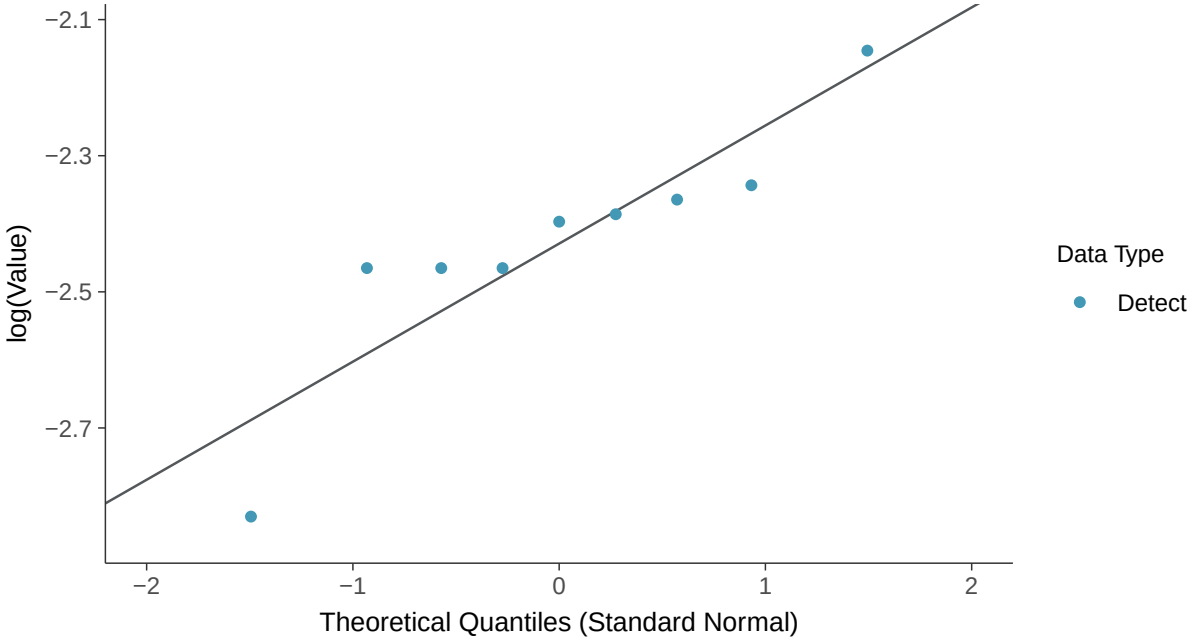
Normal Q-Q plot

Lithium, MW-17B (mg/l)



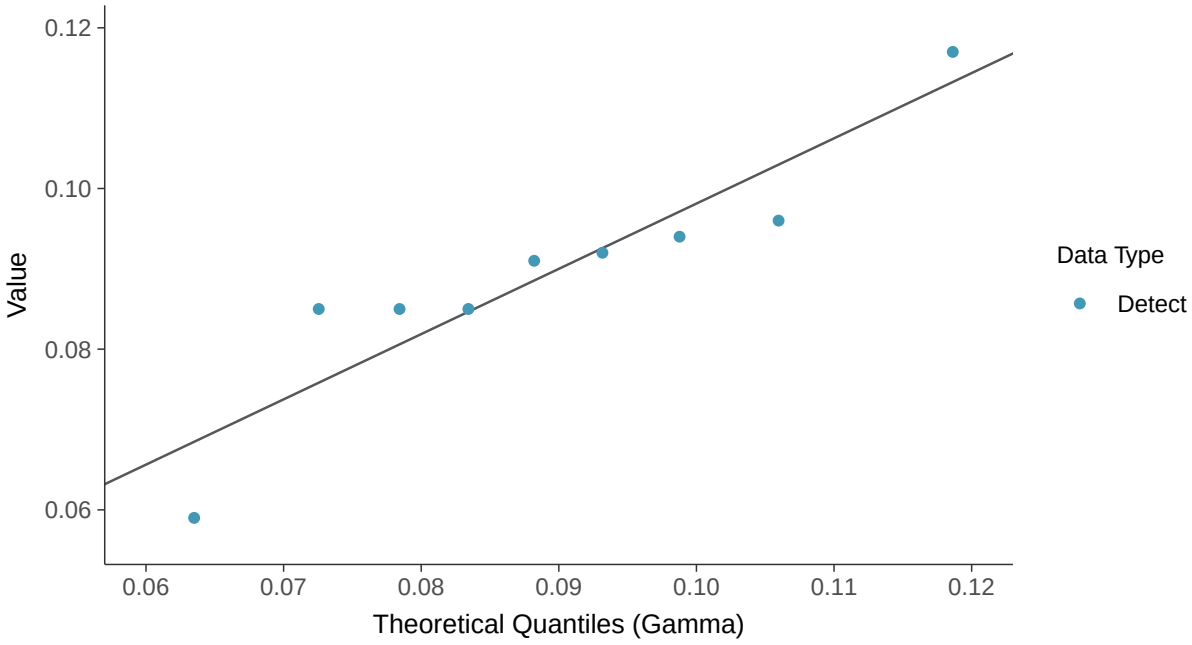
Lognormal Q-Q plot

Lithium, MW-17B (mg/l)



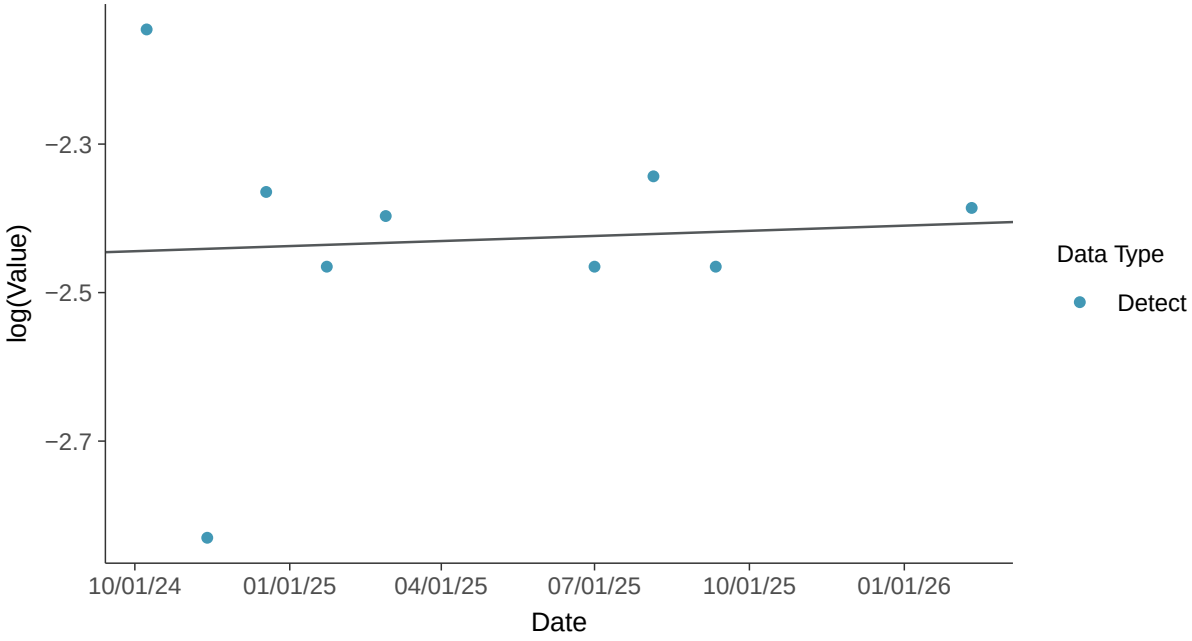
Gamma Q-Q plot

Lithium, MW-17B (mg/l)



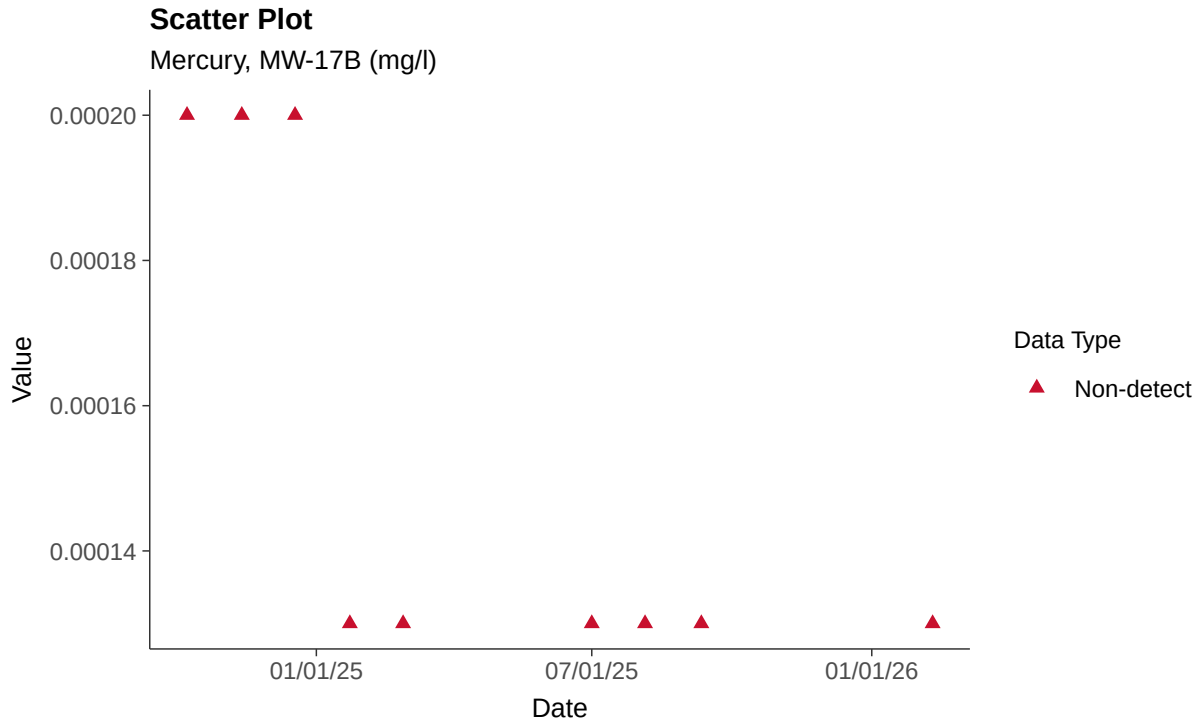
Trend Regression: Lognormal MLE

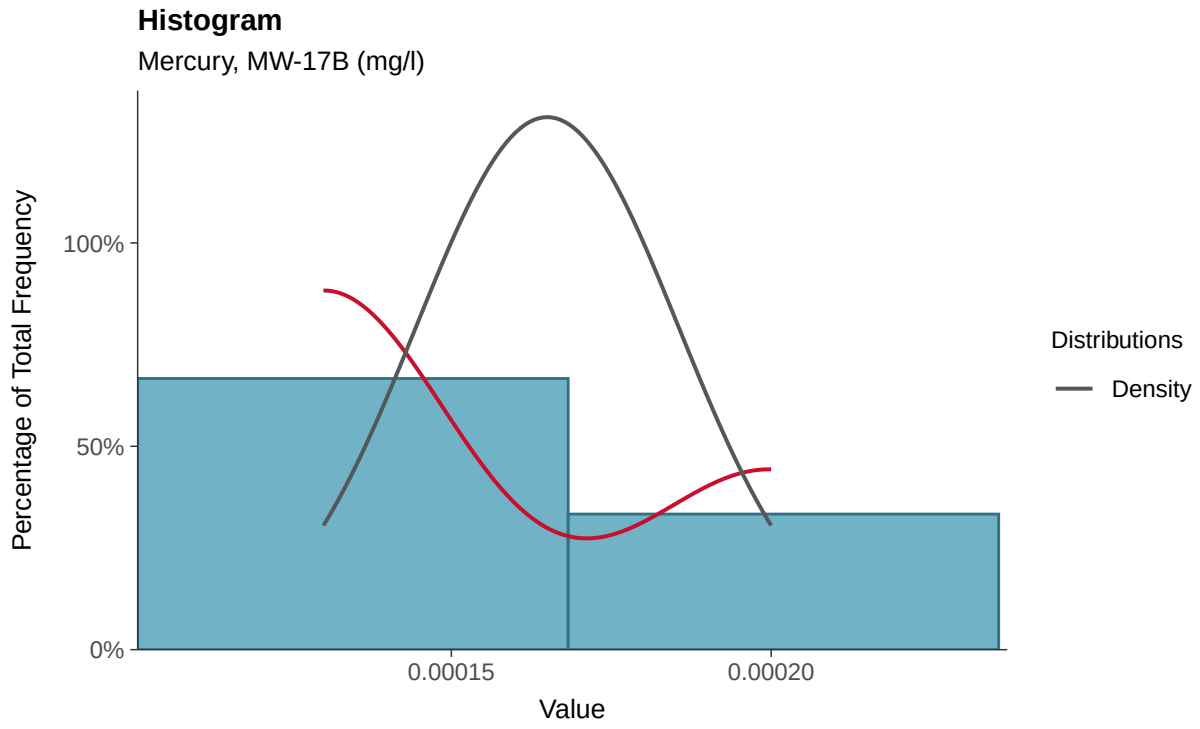
Lithium, MW-17B (mg/l)



Appendix IV: Mercury, MW-17B

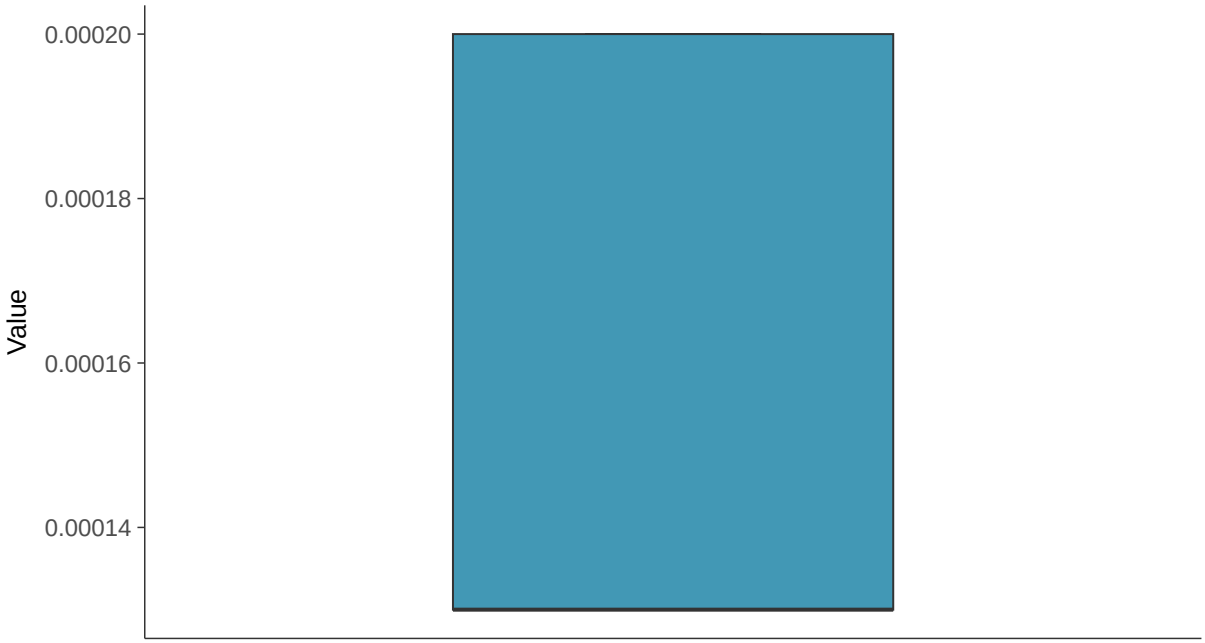
ID: 26_3_117





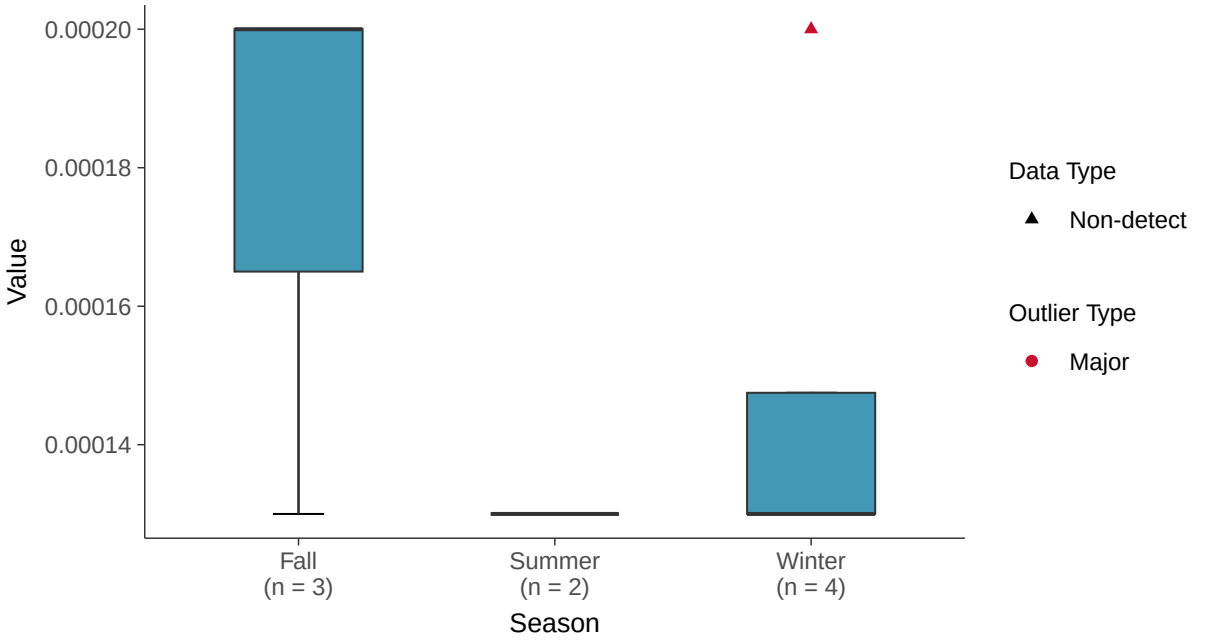
Boxplot

Mercury, MW-17B (mg/l)



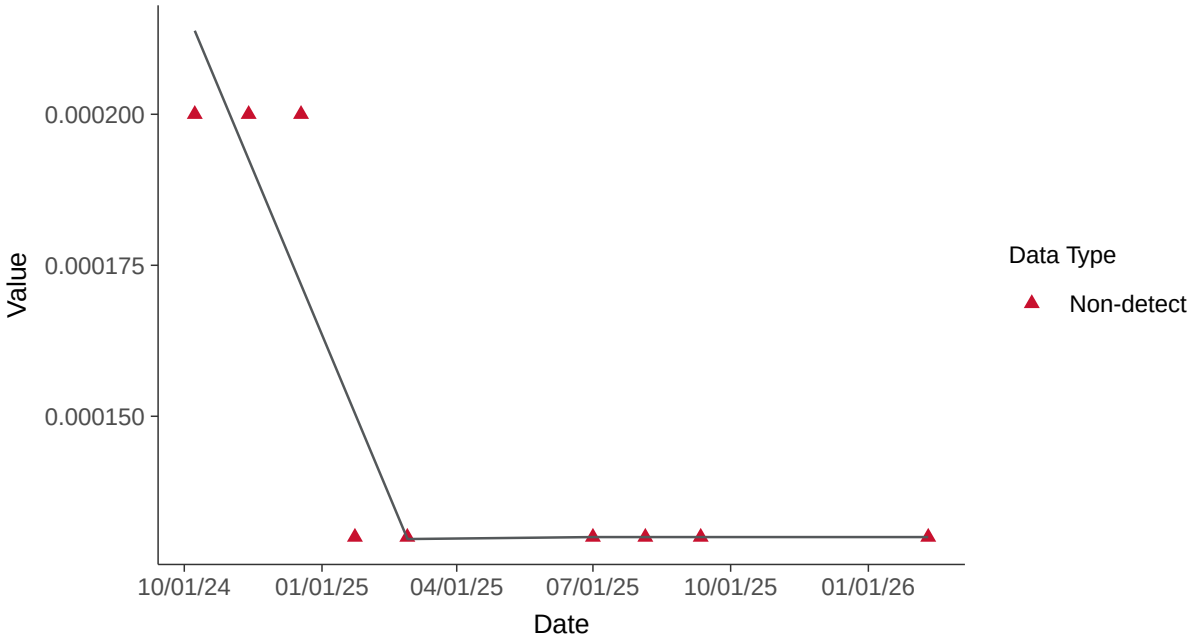
Boxplot by Season

Mercury, MW-17B (mg/l)



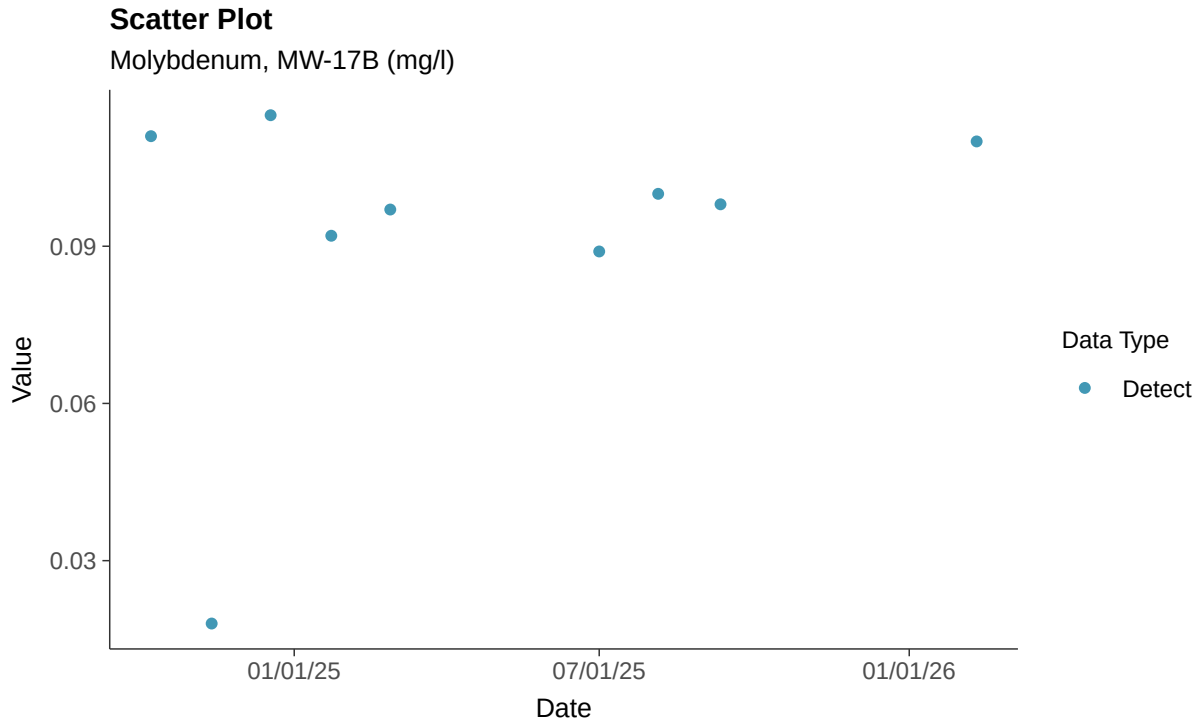
Trend Regression: Piecewise Linear-Linear

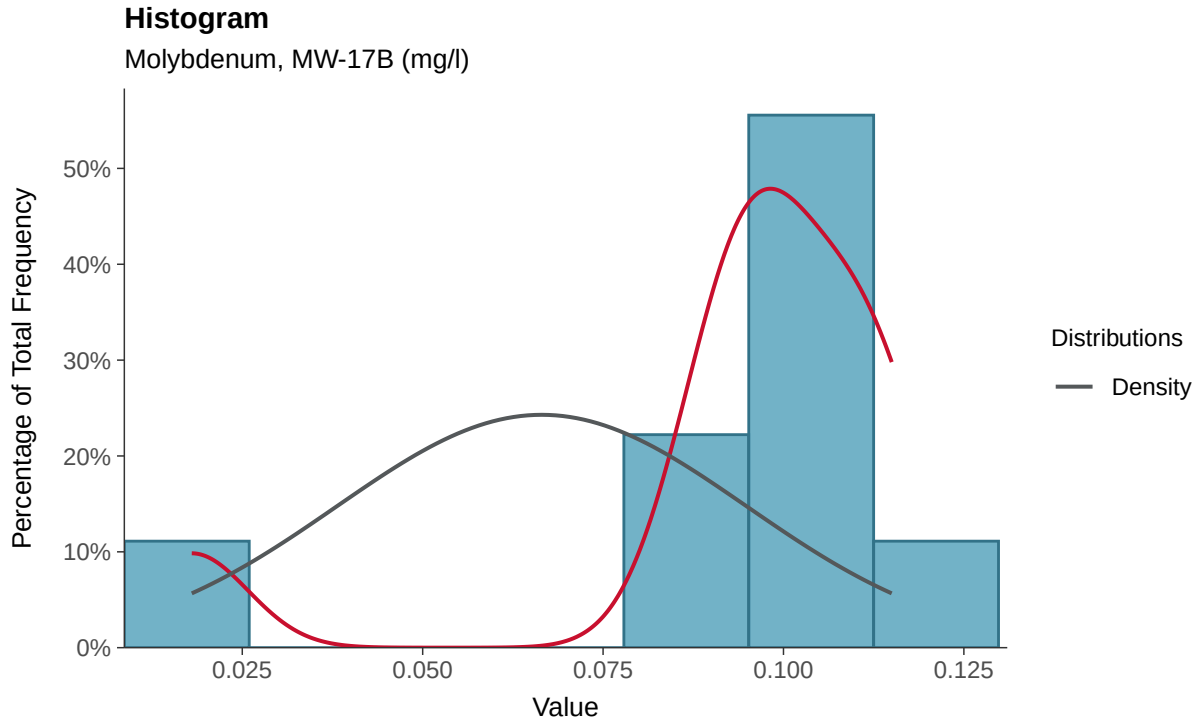
Mercury, MW-17B (mg/l)



Appendix IV: Molybdenum, MW-17B

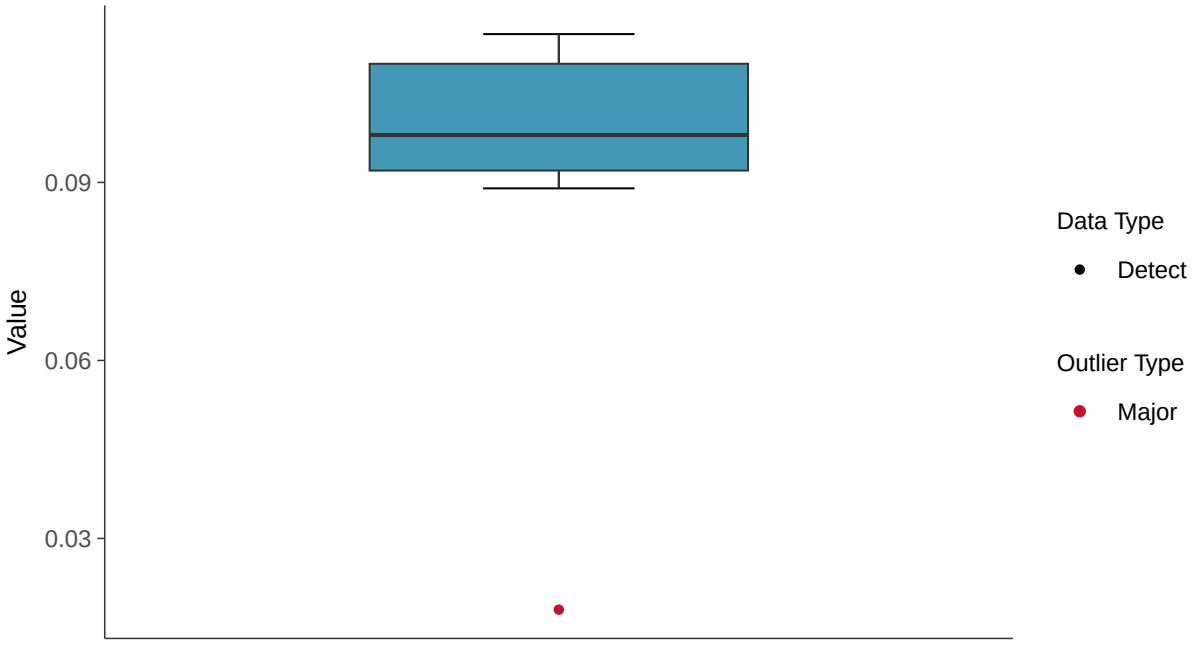
ID: 26_3_118





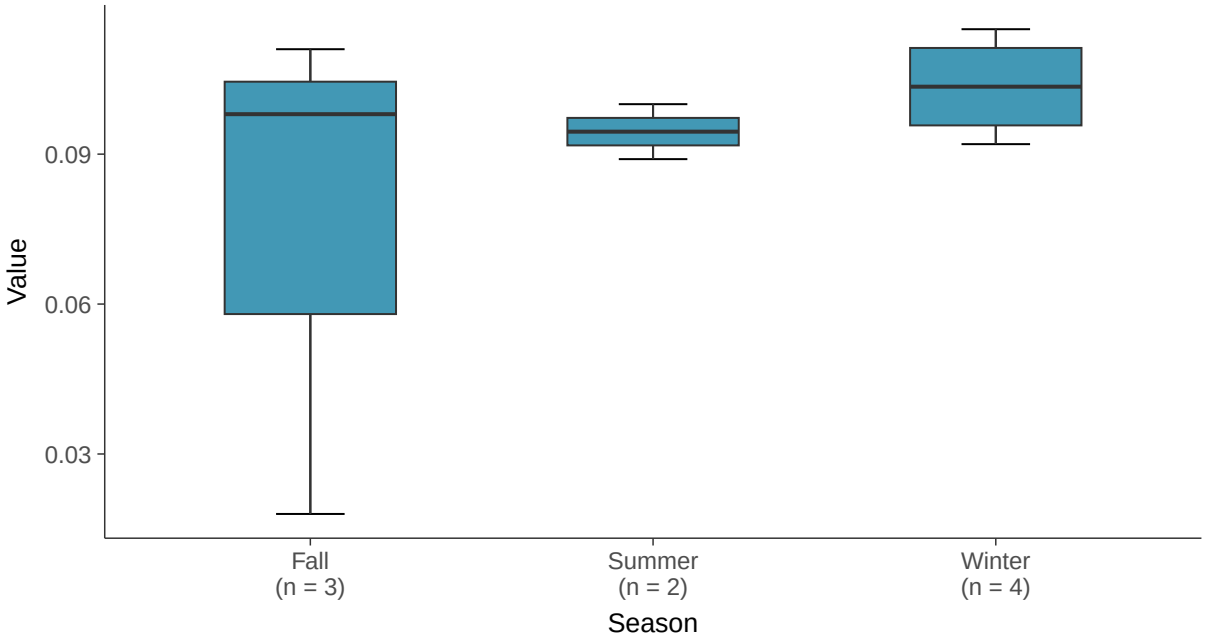
Boxplot

Molybdenum, MW-17B (mg/l)



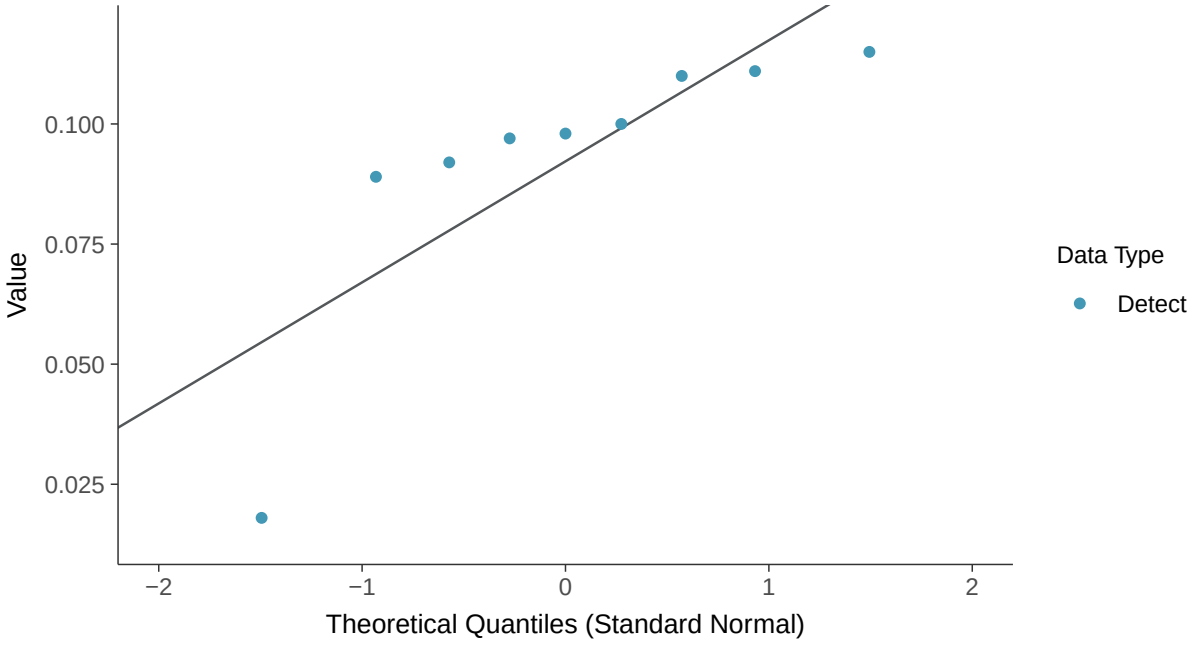
Boxplot by Season

Molybdenum, MW-17B (mg/l)



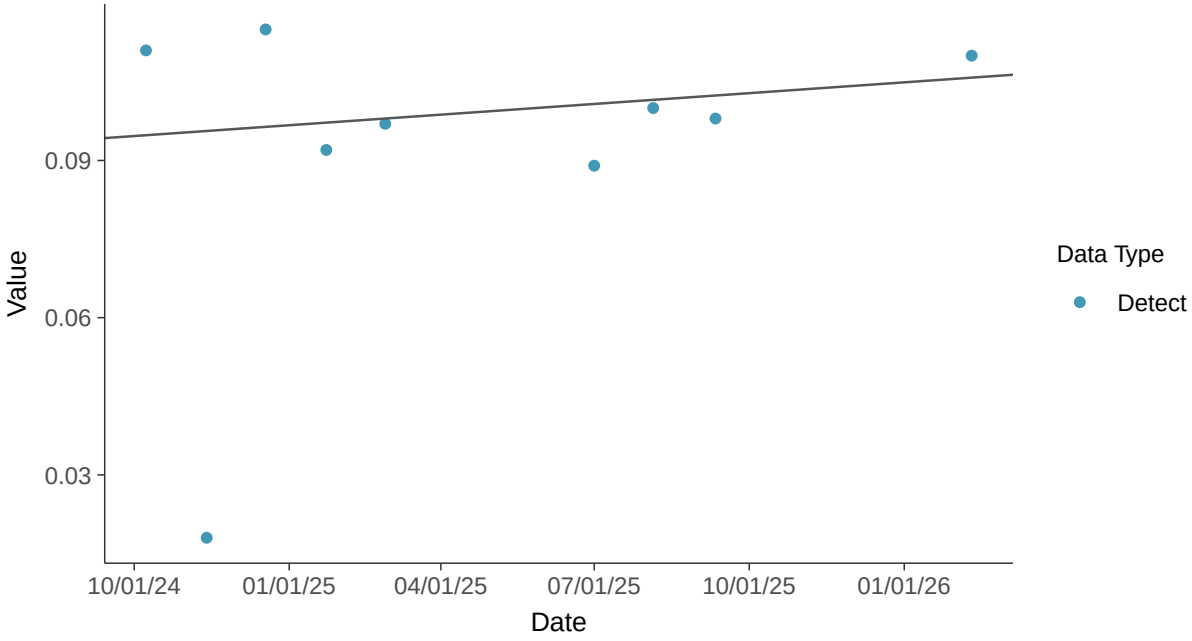
Normal Q-Q plot

Molybdenum, MW-17B (mg/l)



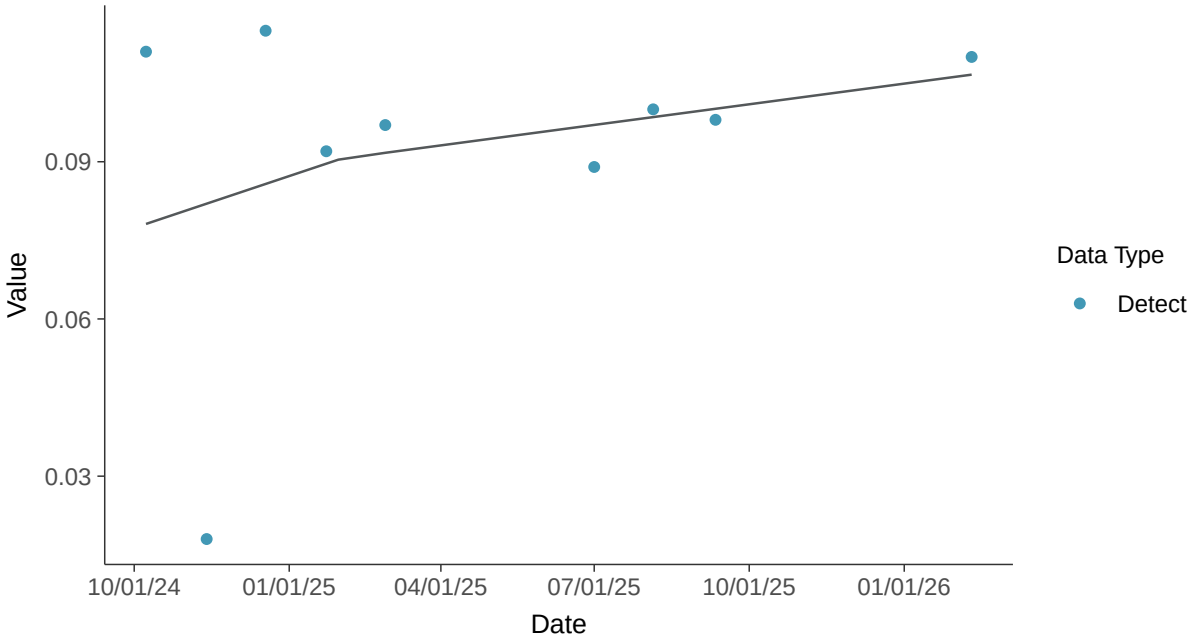
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Molybdenum, MW-17B (mg/l)



Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-17B (mg/l)

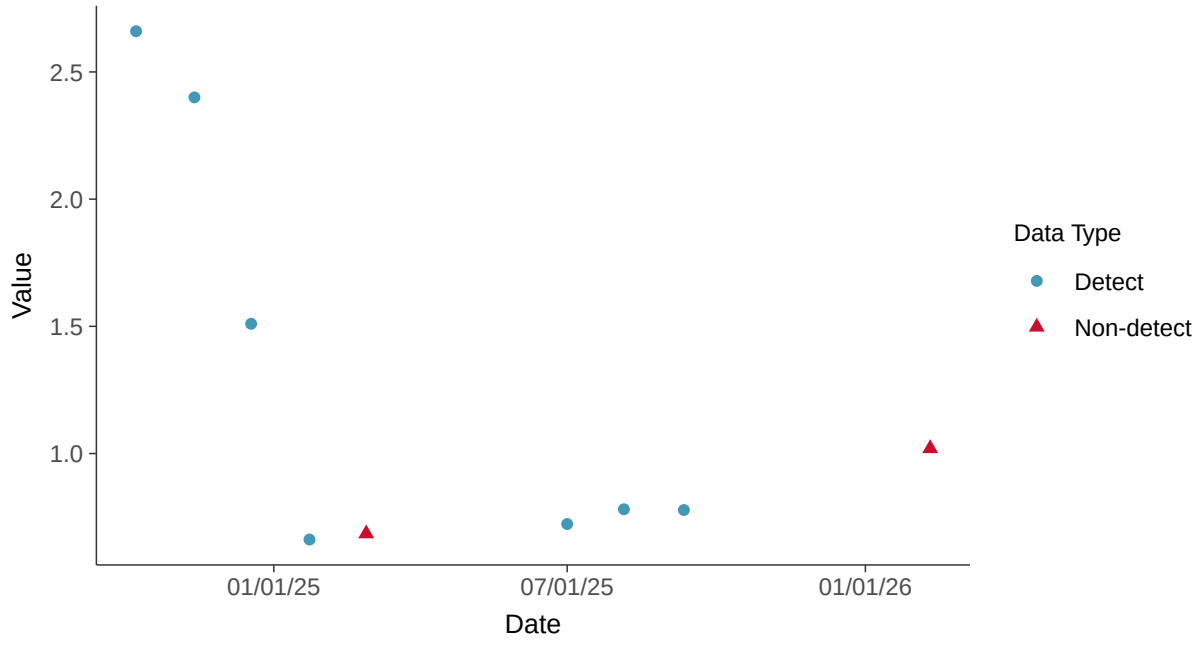


Appendix IV: Radium-226+228, MW-17B

ID: 26_3_121

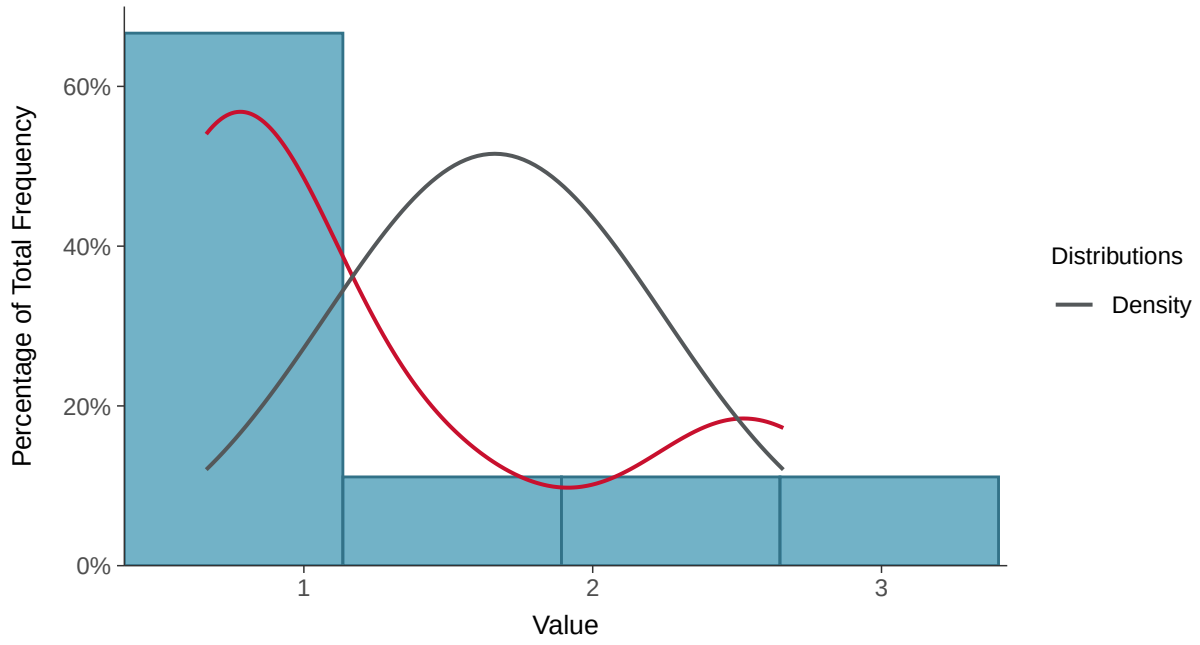
Scatter Plot

Radium-226+228, MW-17B (pci/l)



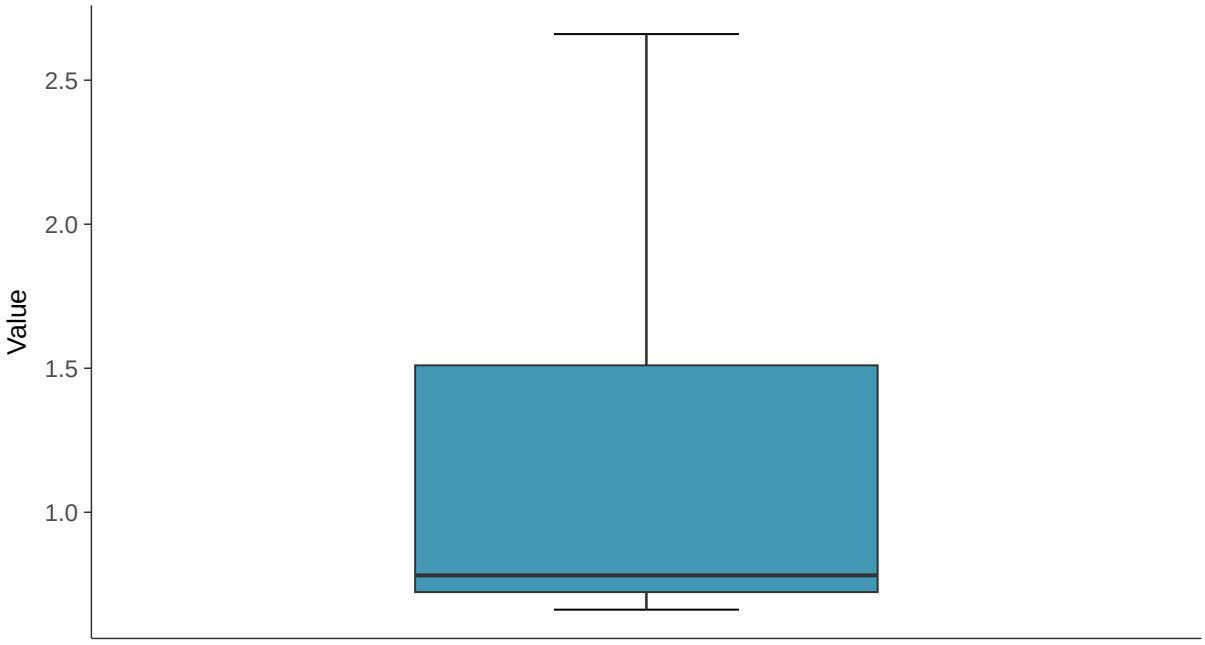
Histogram

Radium-226+228, MW-17B (pci/l)



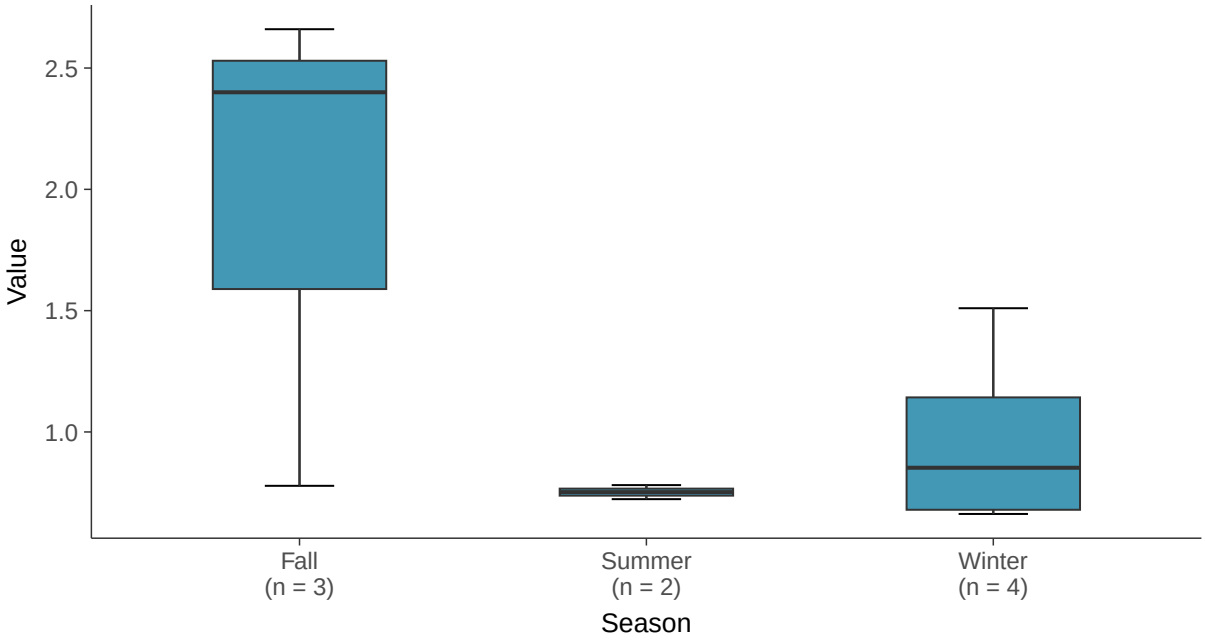
Boxplot

Radium-226+228, MW-17B (pci/l)



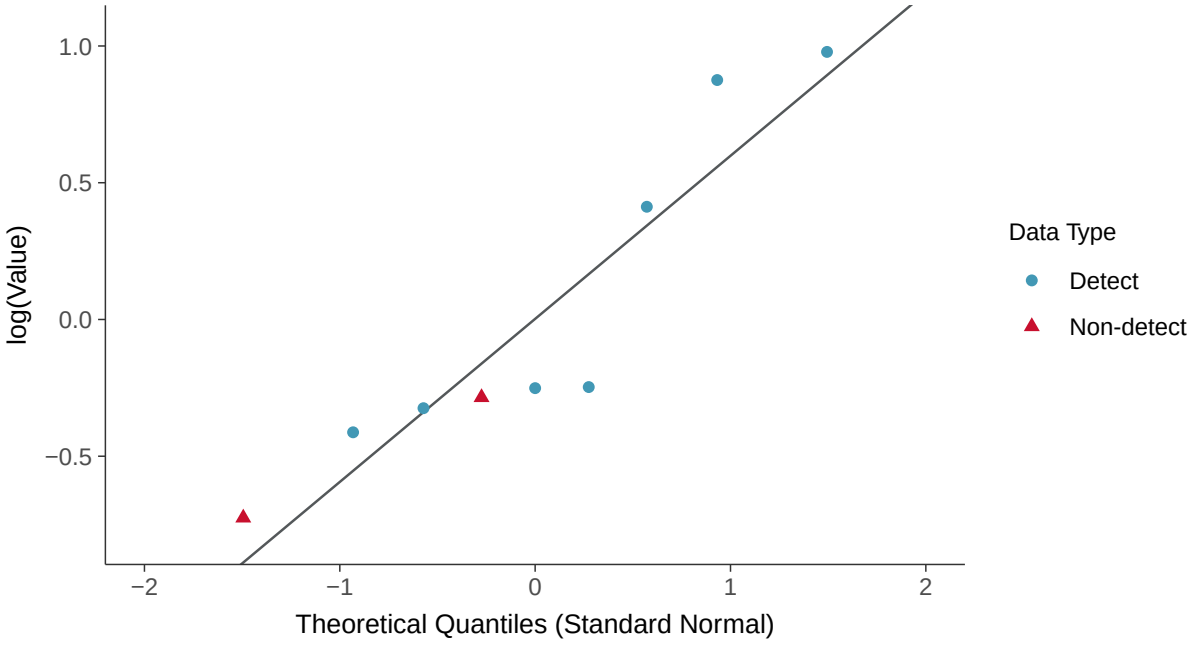
Boxplot by Season

Radium-226+228, MW-17B (pci/l)



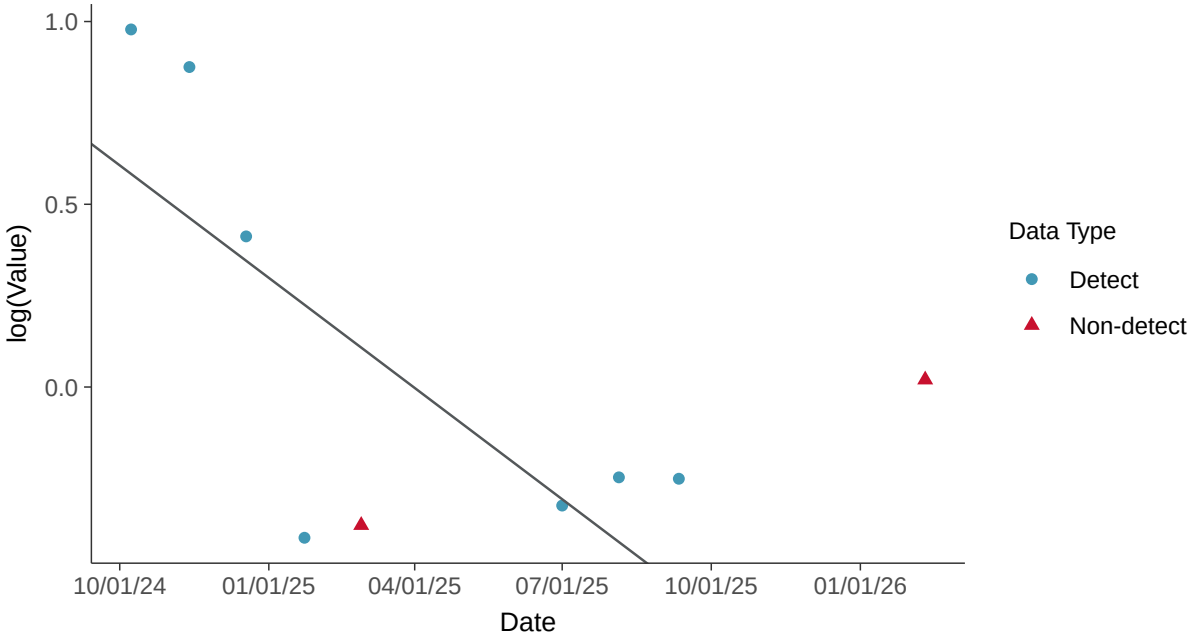
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-17B (pci/l)



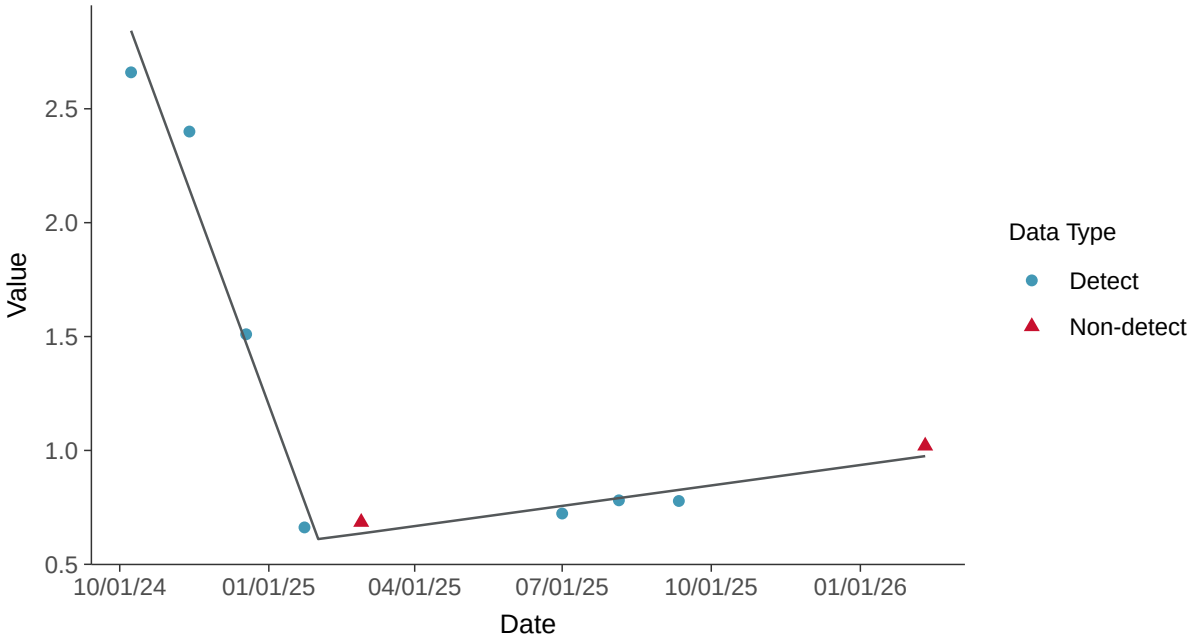
Trend Regression: Lognormal MLE

Radium-226+228, MW-17B (pci/l)



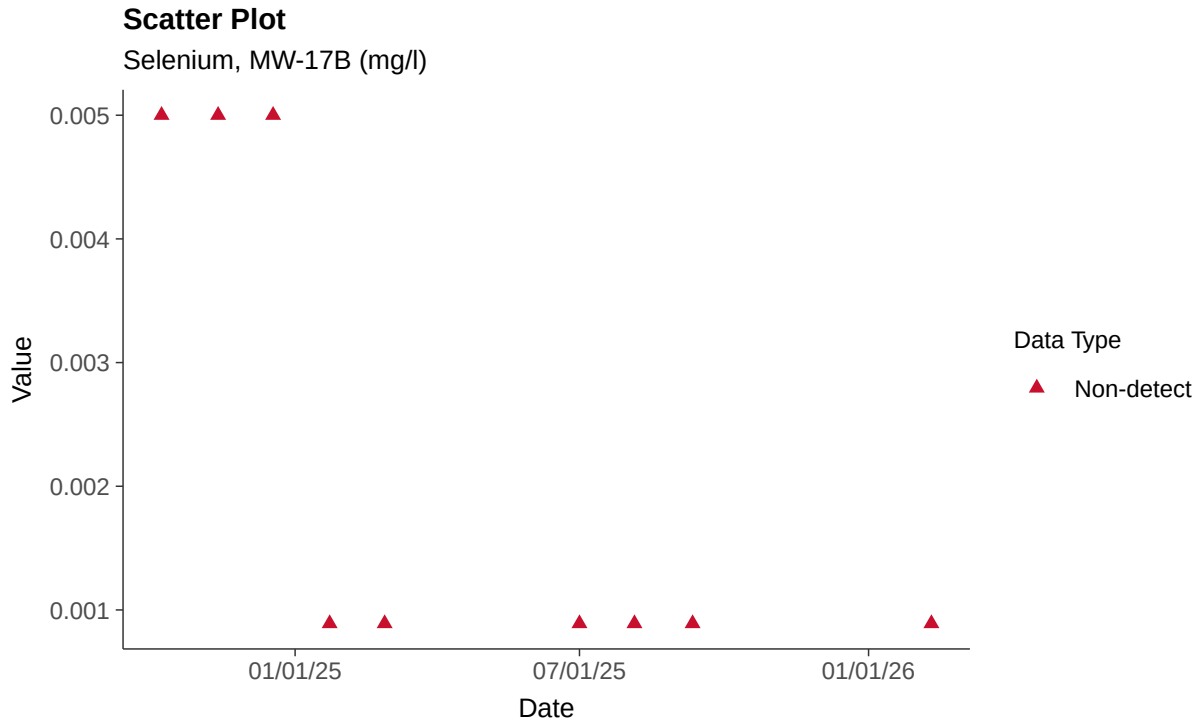
Trend Regression: Piecewise Linear-Linear

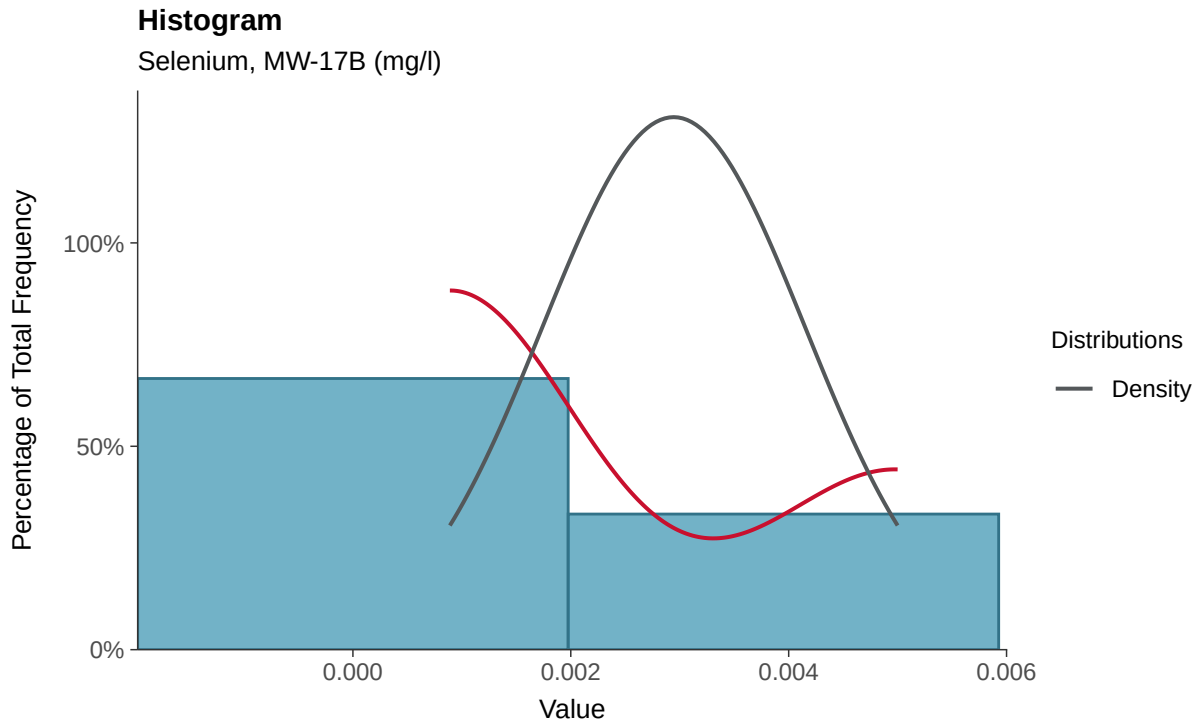
Radium-226+228, MW-17B (pci/l)



Appendix IV: Selenium, MW-17B

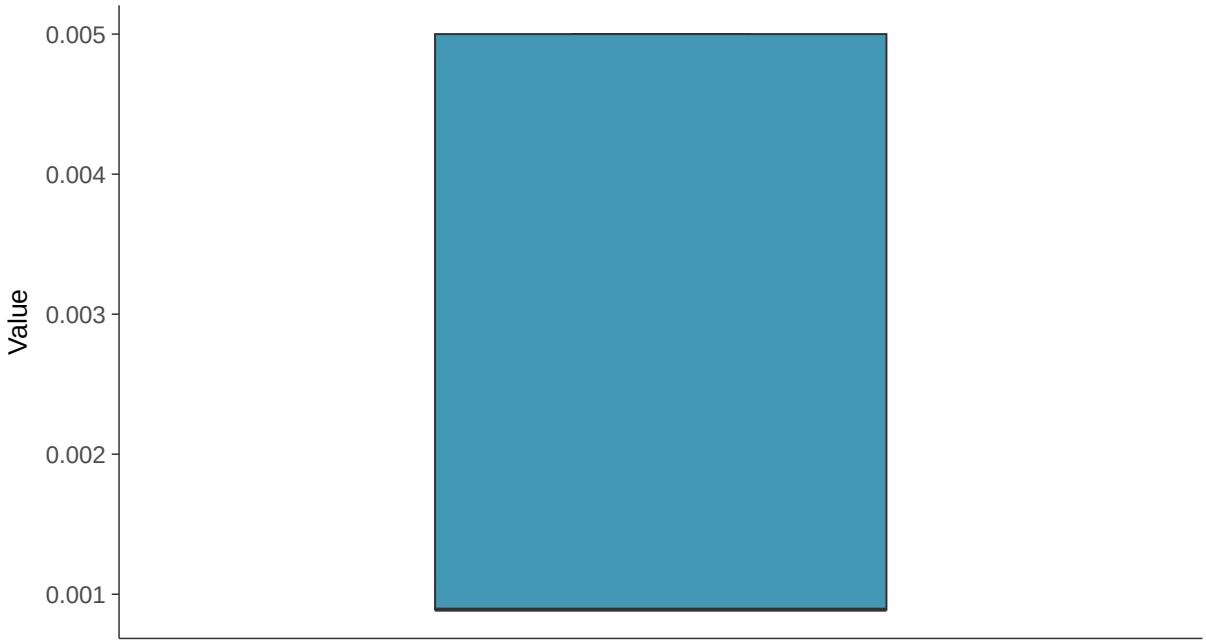
ID: 26_3_122





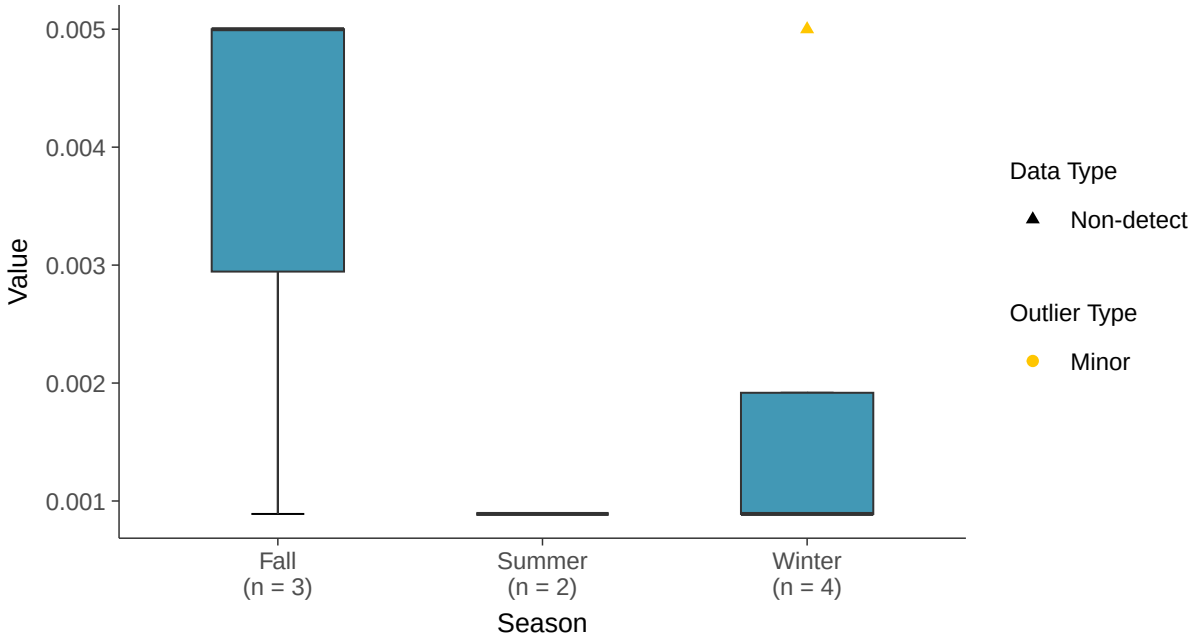
Boxplot

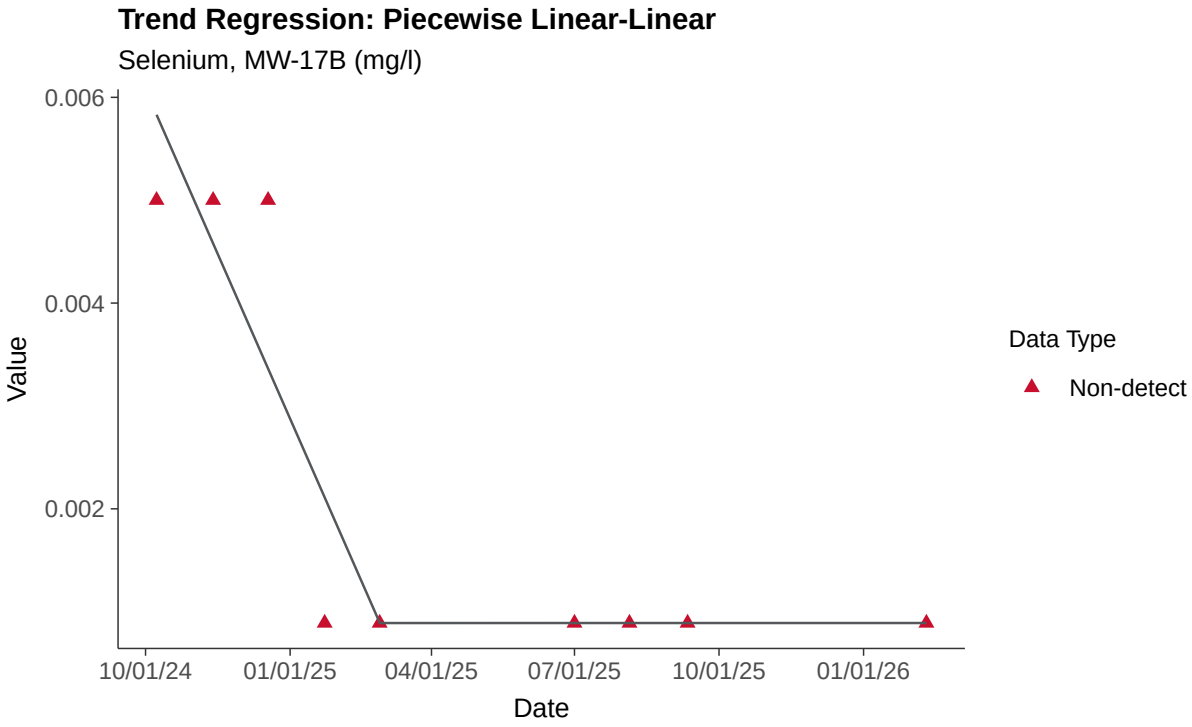
Selenium, MW-17B (mg/l)



Boxplot by Season

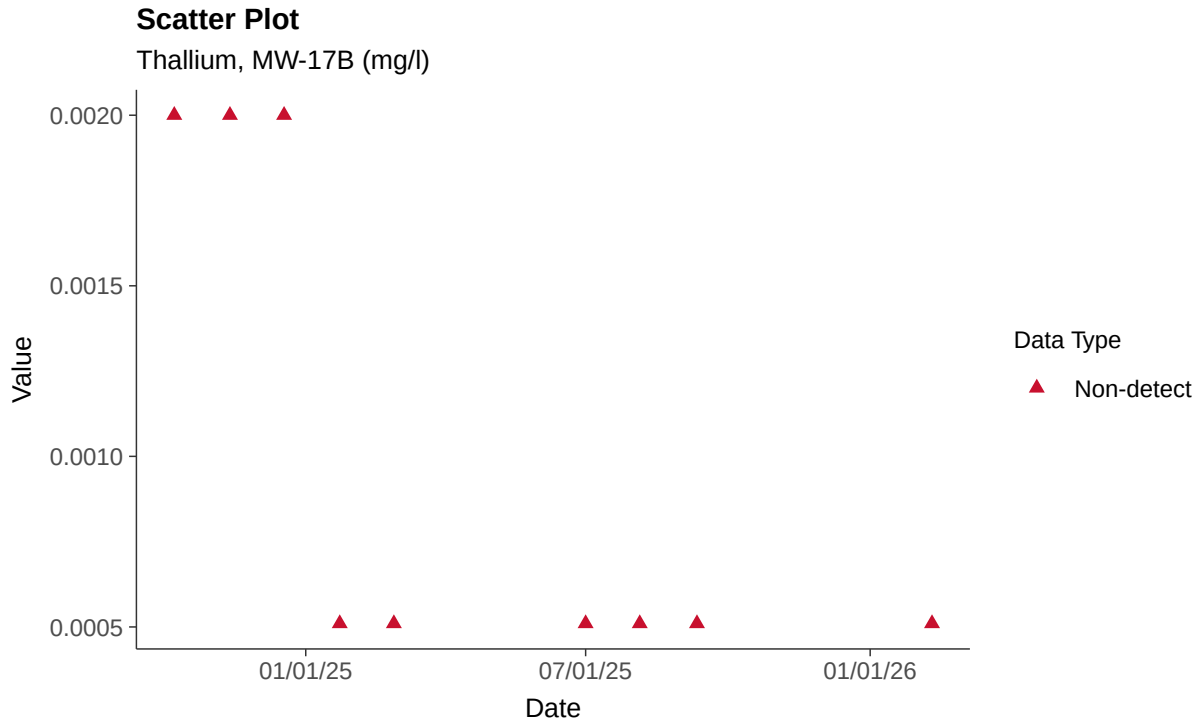
Selenium, MW-17B (mg/l)

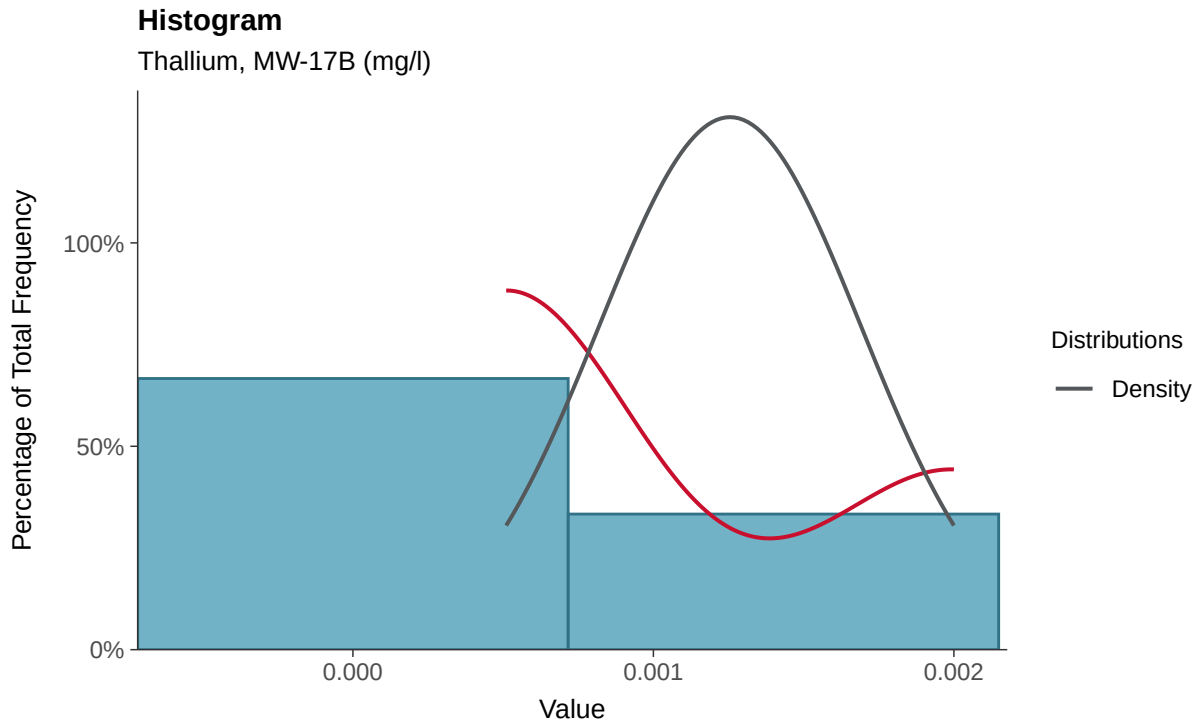



Trend Regression: Piecewise Linear-Linear
Selenium, MW-17B (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-17B

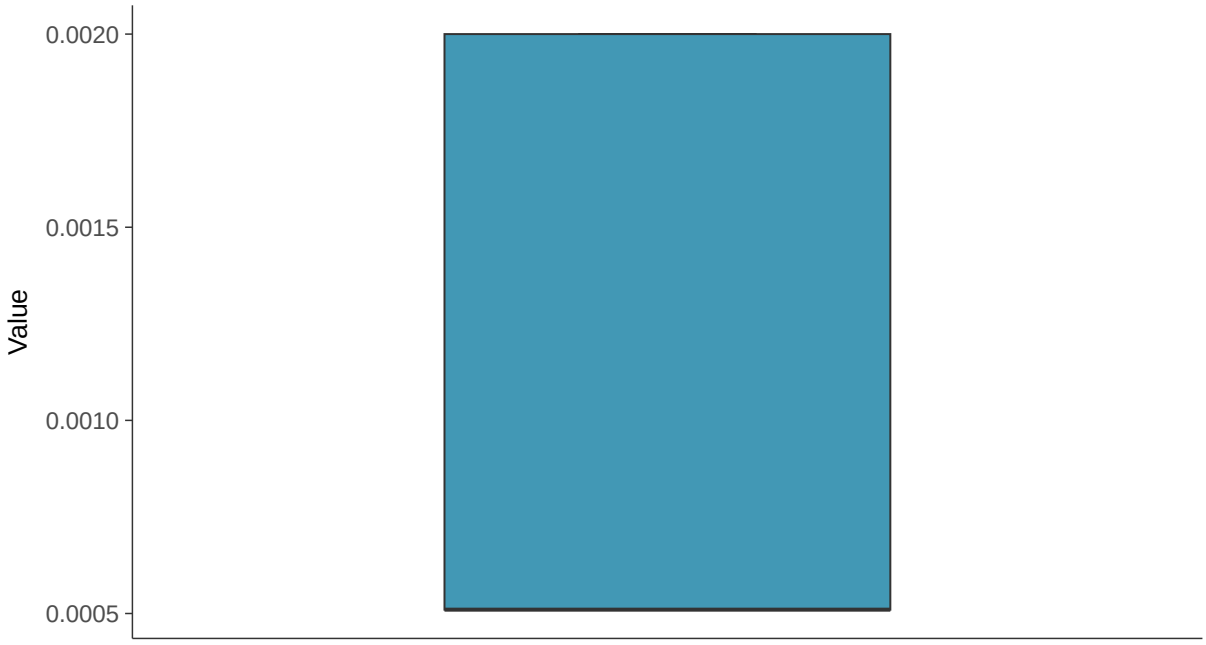
ID: 26_3_125





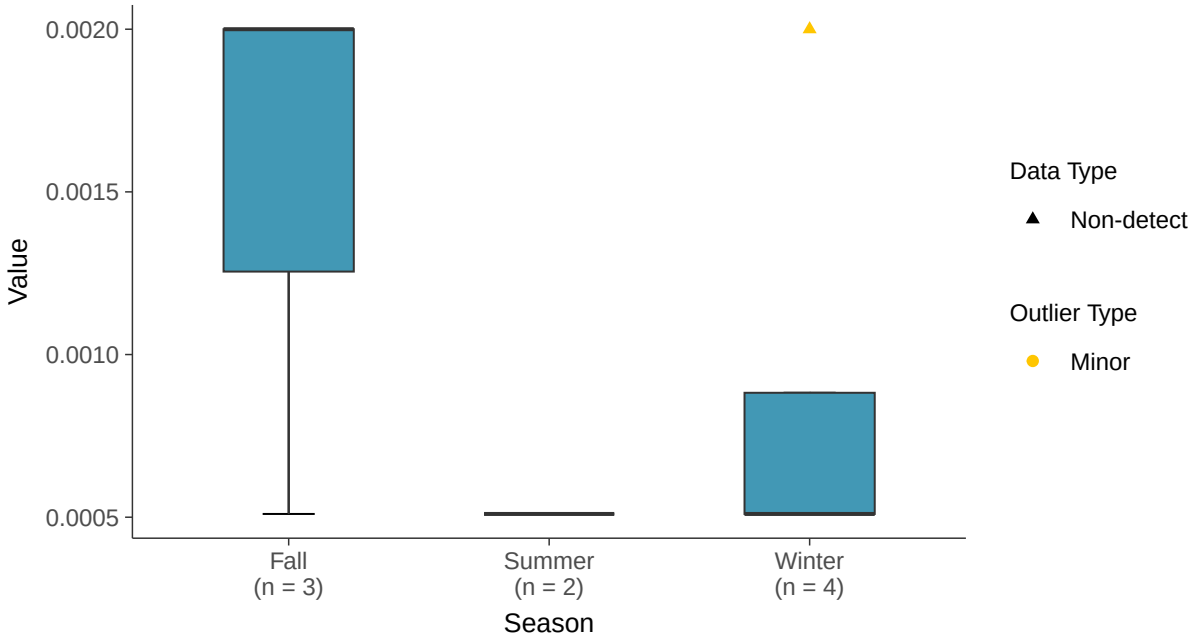
Boxplot

Thallium, MW-17B (mg/l)



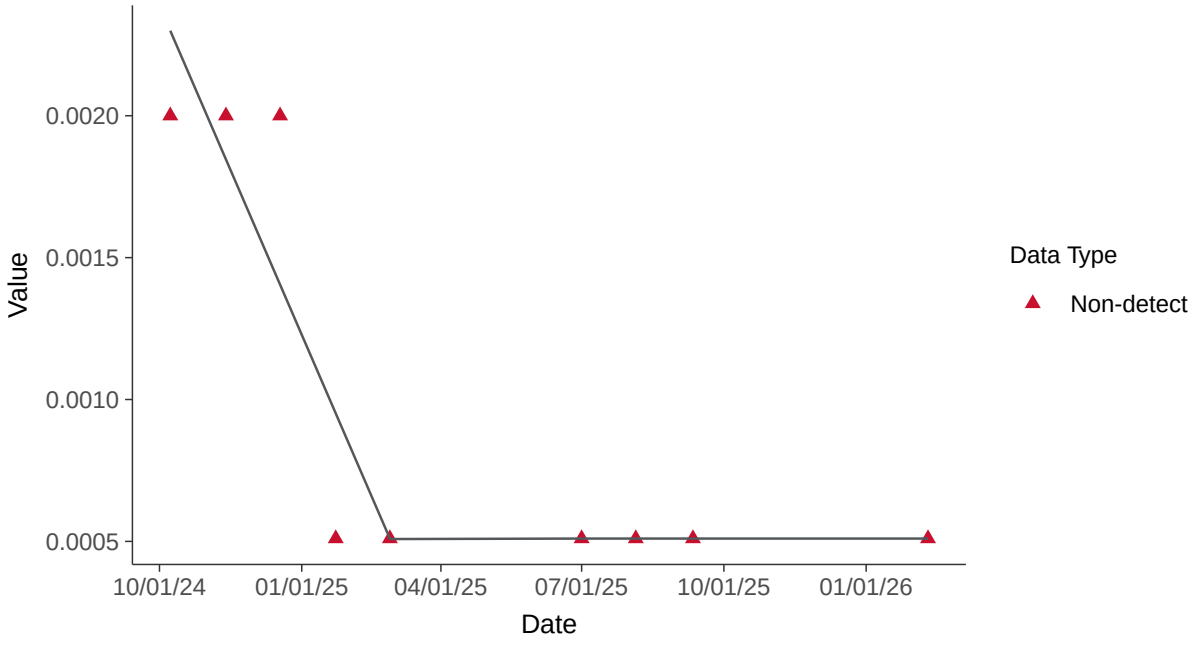
Boxplot by Season

Thallium, MW-17B (mg/l)



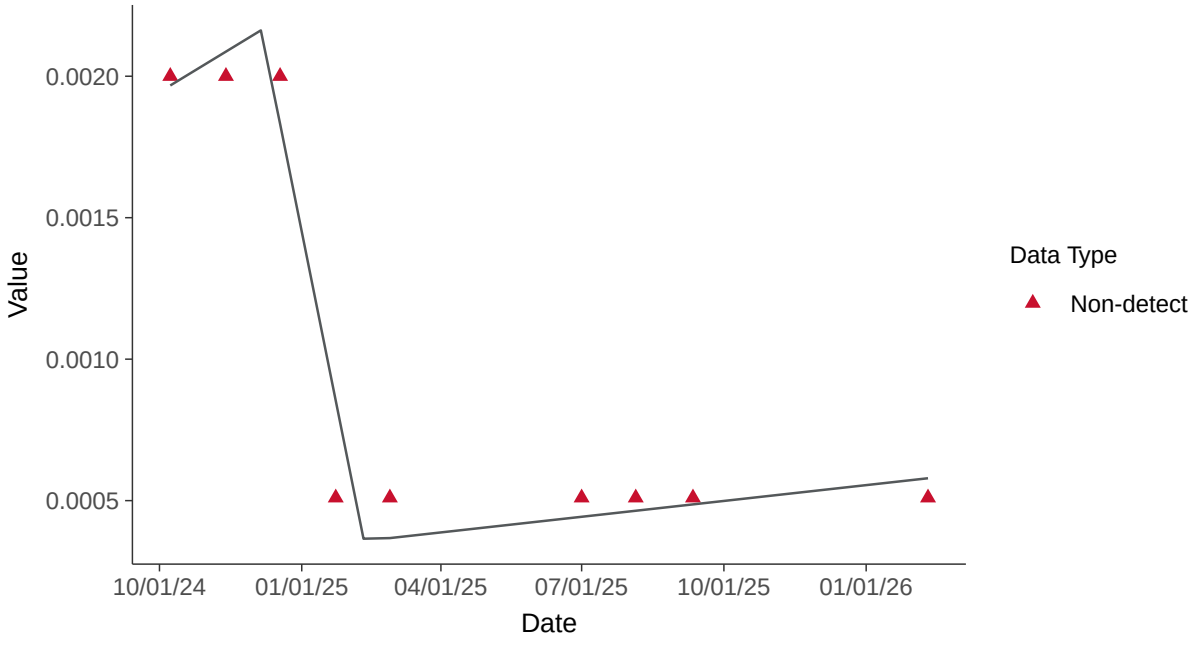
Trend Regression: Piecewise Linear-Linear

Thallium, MW-17B (mg/l)



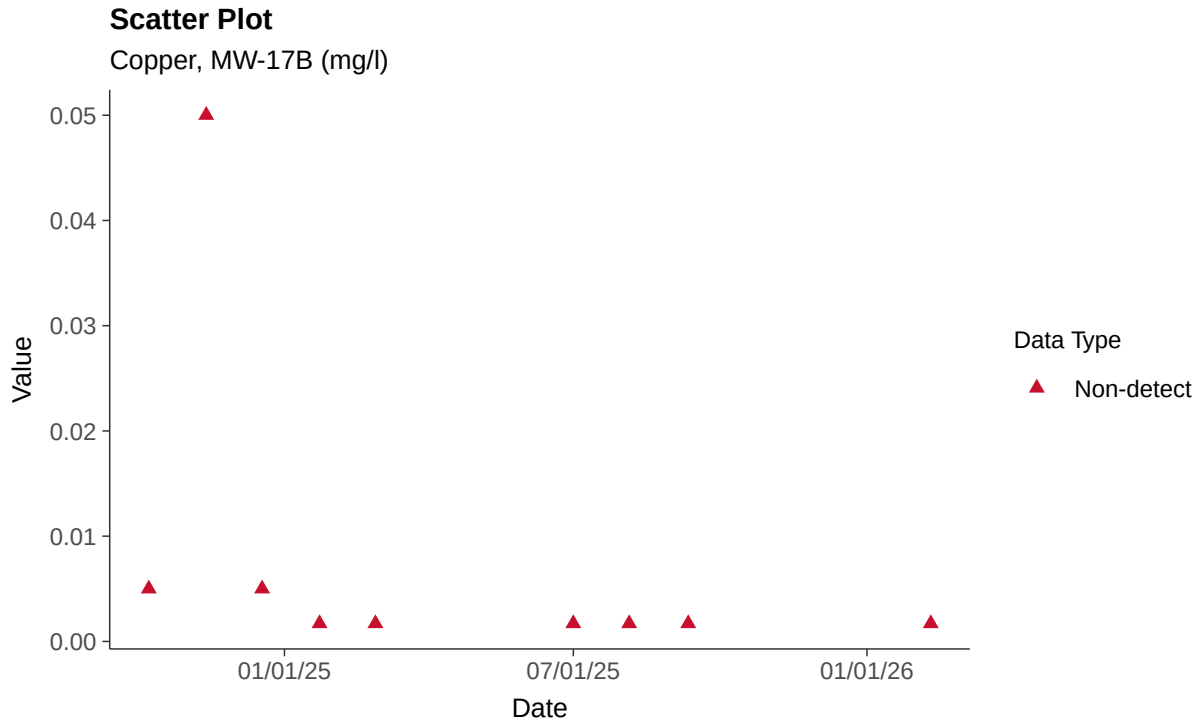
Trend Regression: Piecewise Linear-Linear-Linear

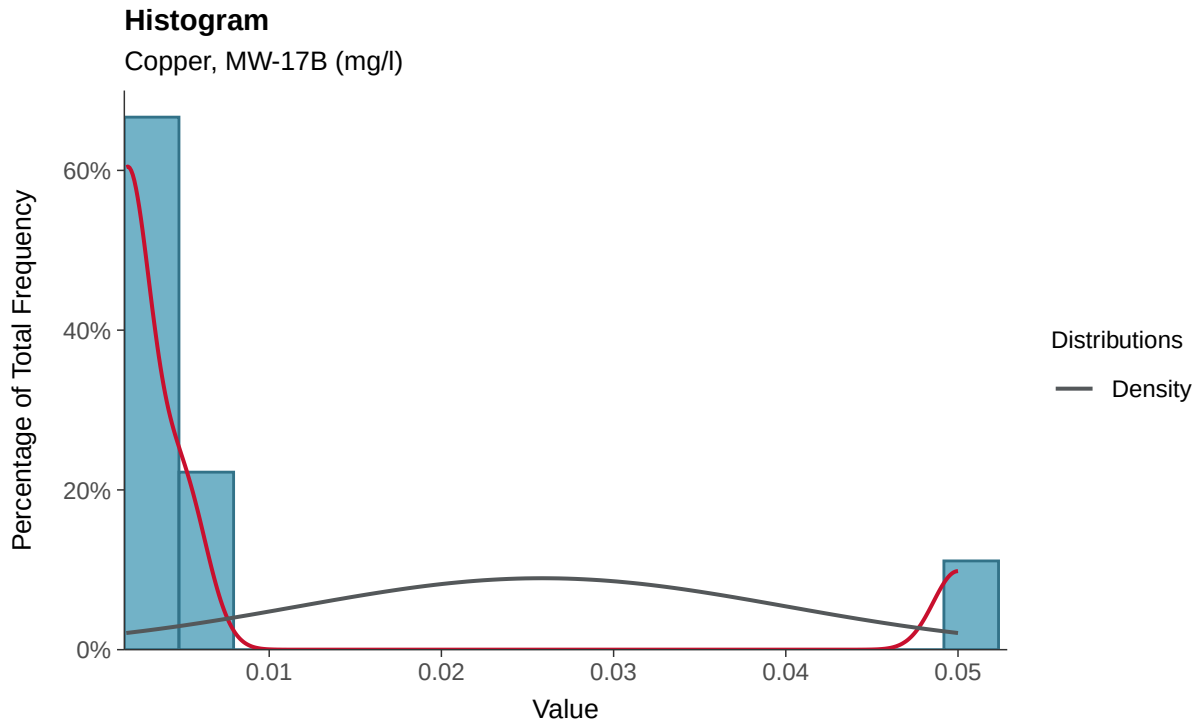
Thallium, MW-17B (mg/l)



Part 115: Copper, MW-17B

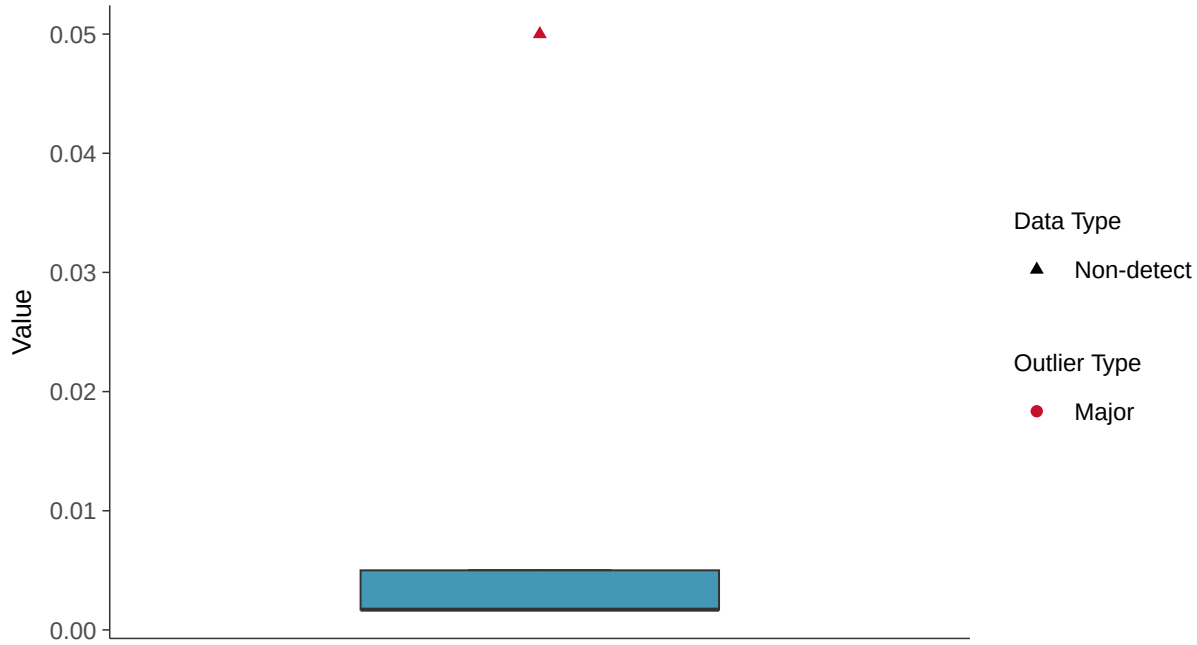
ID: 26_5_111





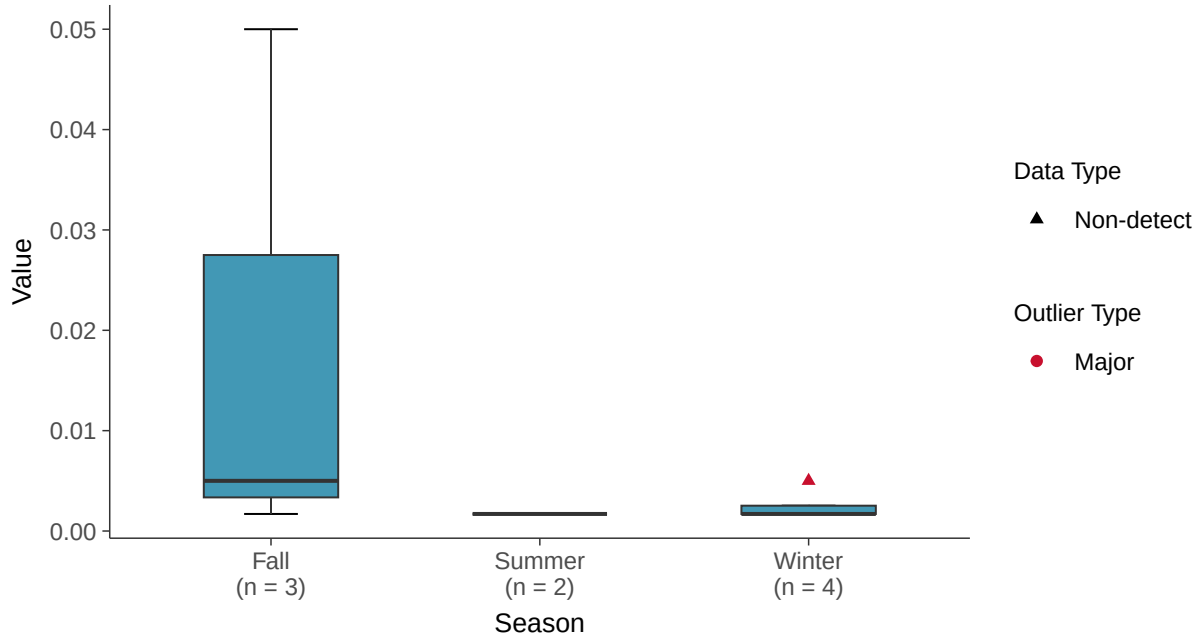
Boxplot

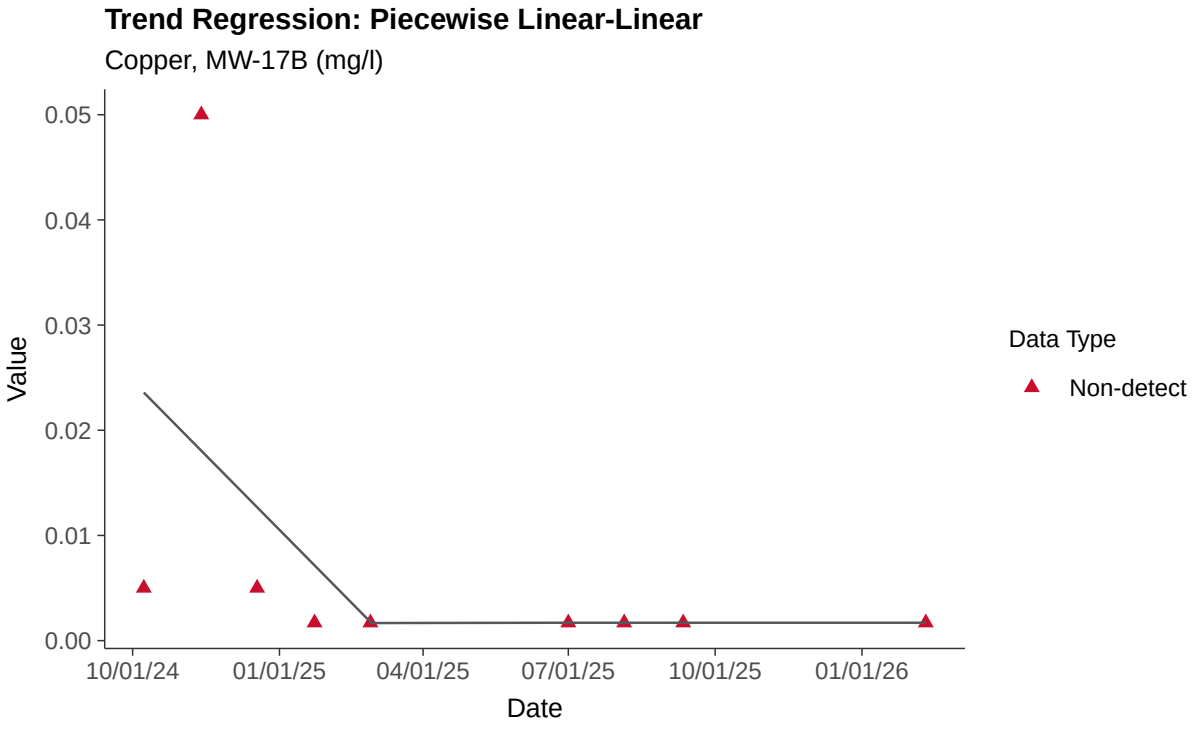
Copper, MW-17B (mg/l)



Boxplot by Season

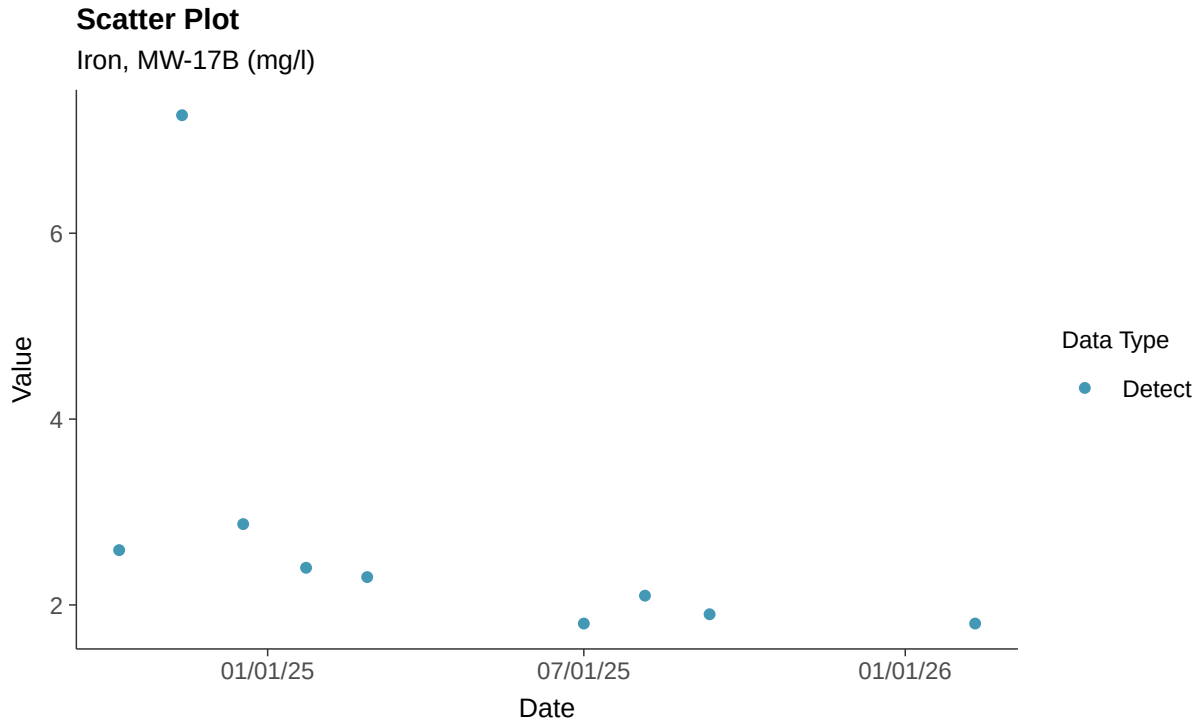
Copper, MW-17B (mg/l)

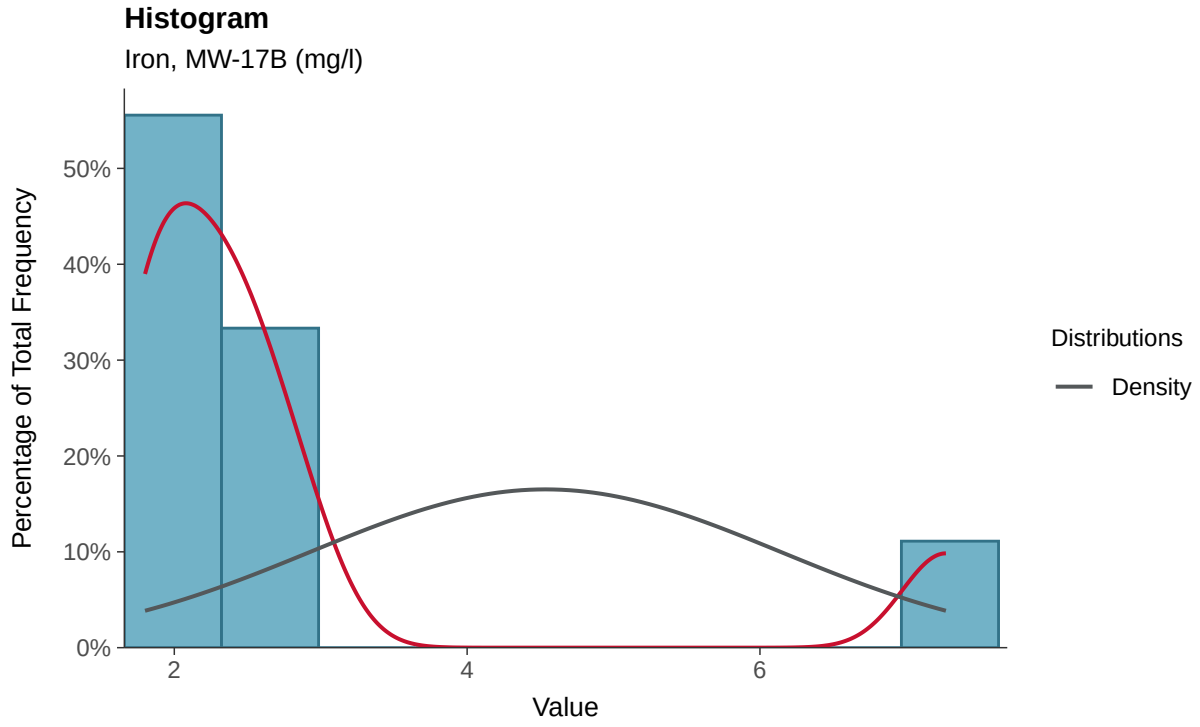



Trend Regression: Piecewise Linear-Linear
Copper, MW-17B (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Iron, MW-17B

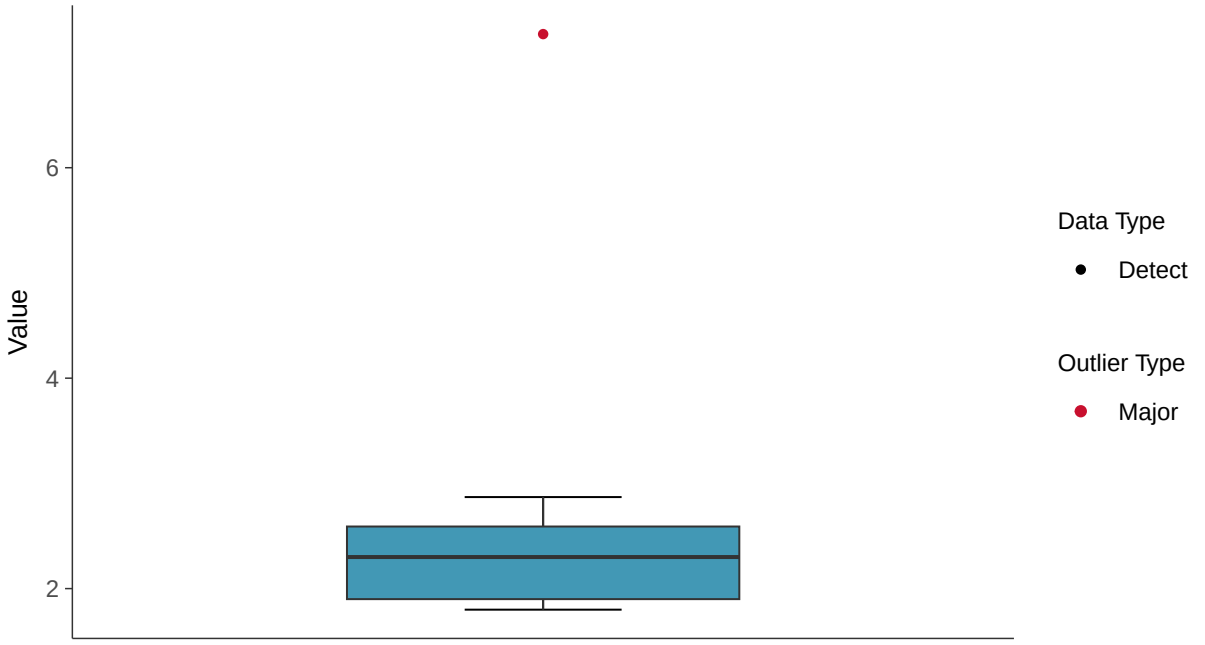
ID: 26_5_114





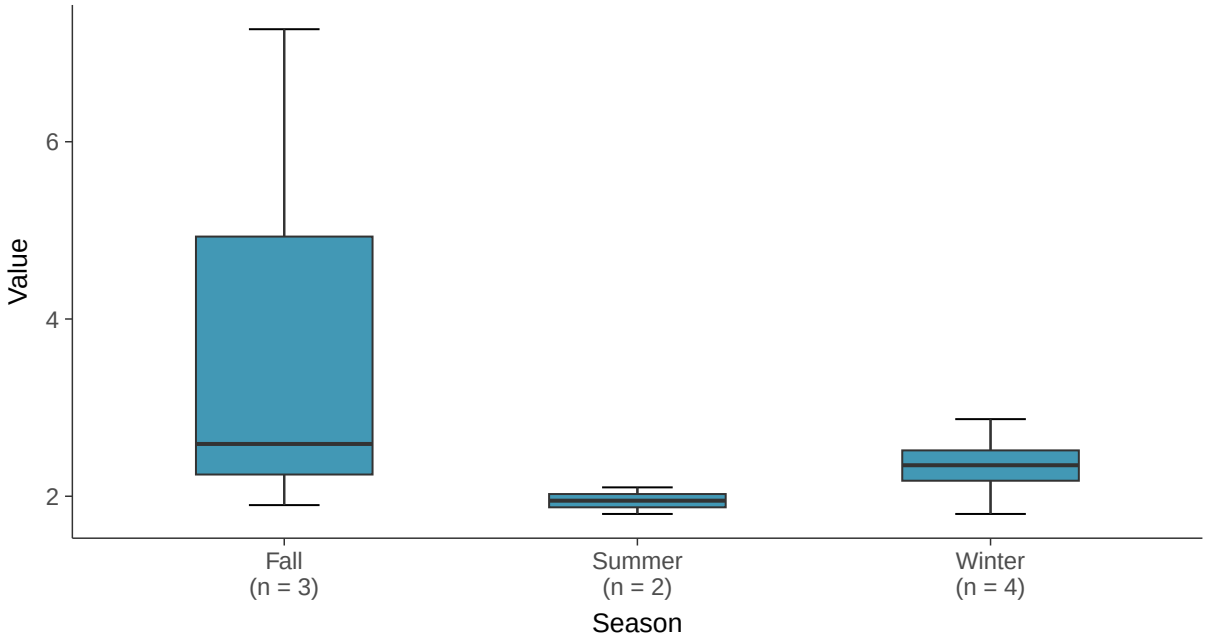
Boxplot

Iron, MW-17B (mg/l)



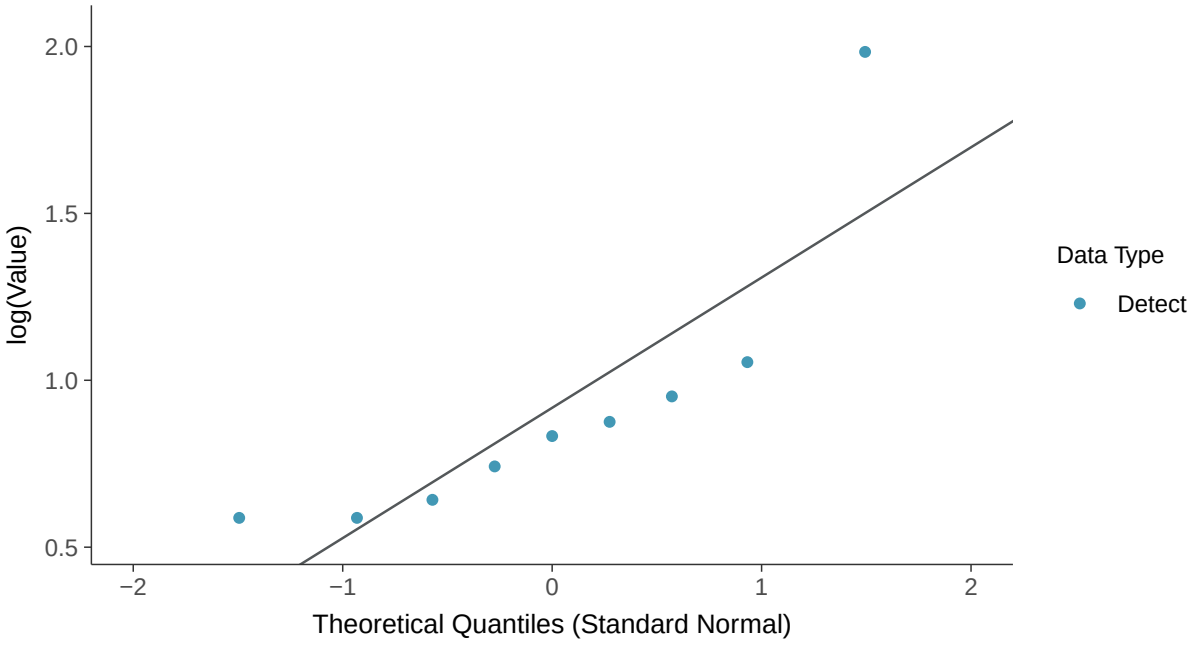
Boxplot by Season

Iron, MW-17B (mg/l)



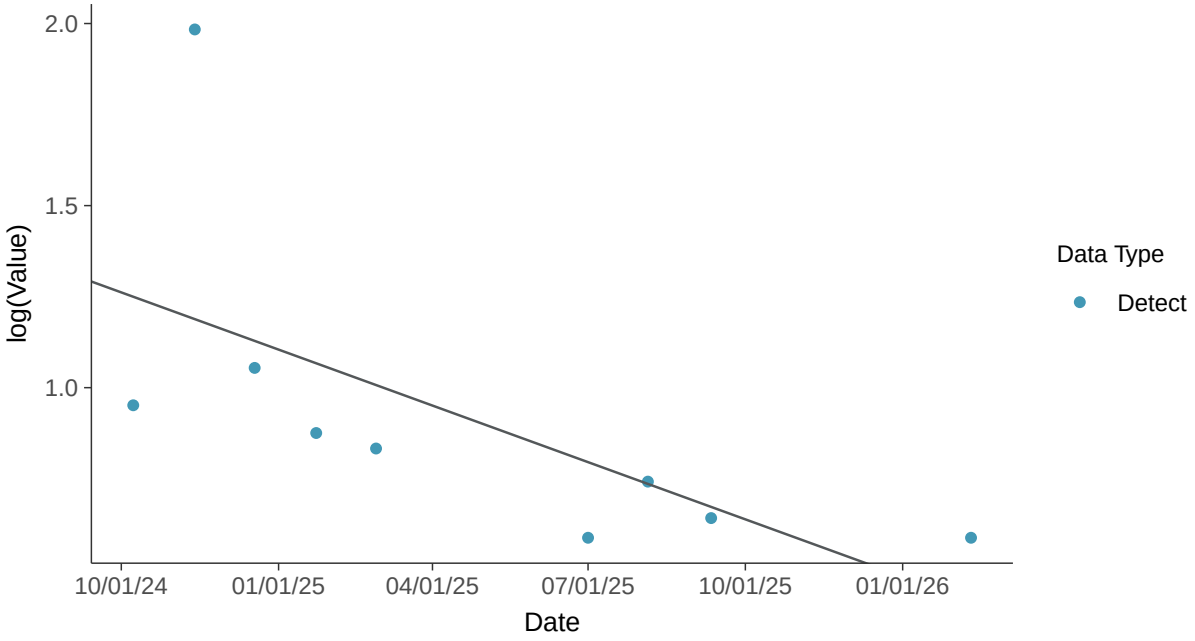
Lognormal Q-Q plot

Iron, MW-17B (mg/l)



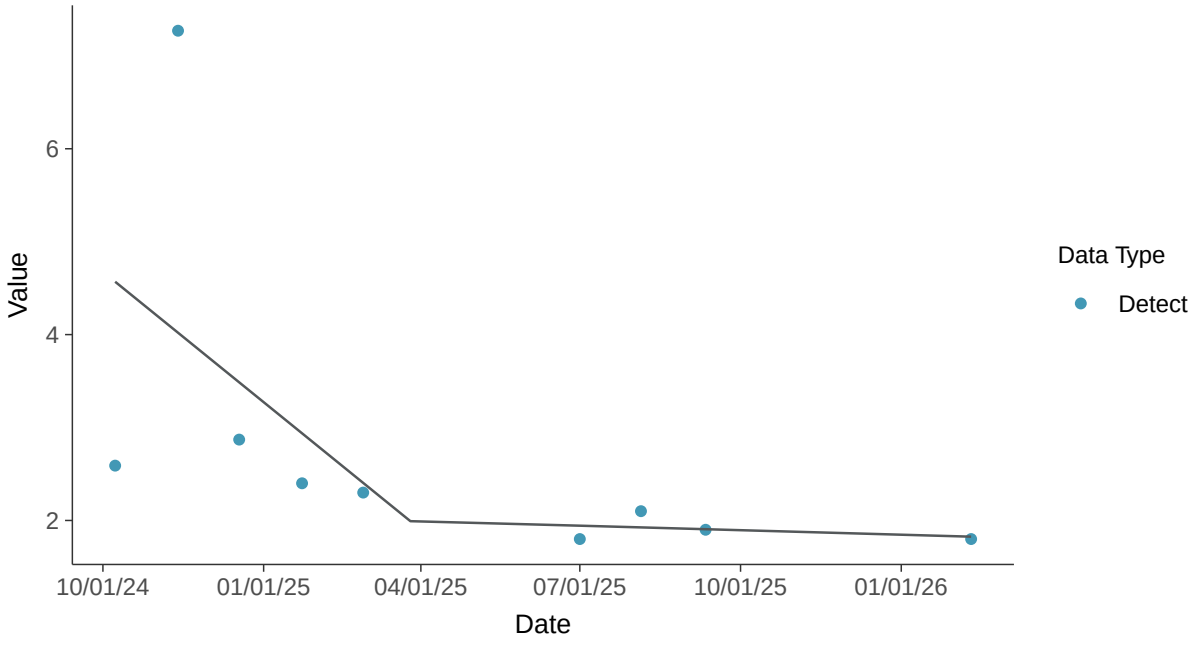
Trend Regression: Lognormal MLE

Iron, MW-17B (mg/l)



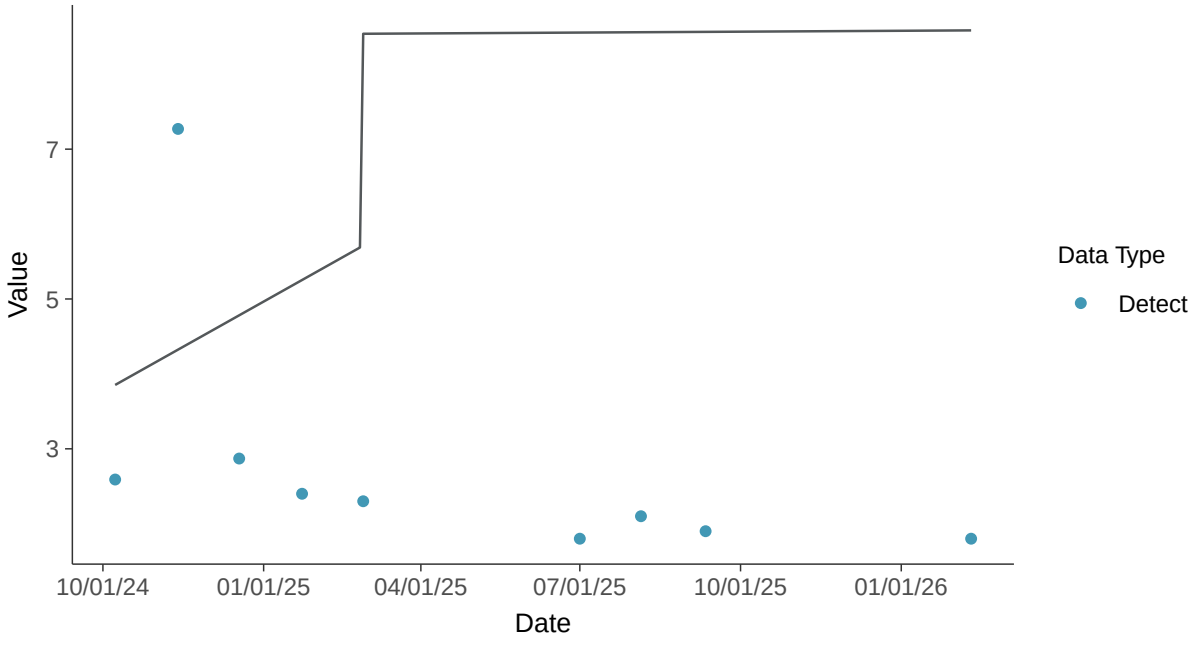
Trend Regression: Piecewise Linear-Linear

Iron, MW-17B (mg/l)



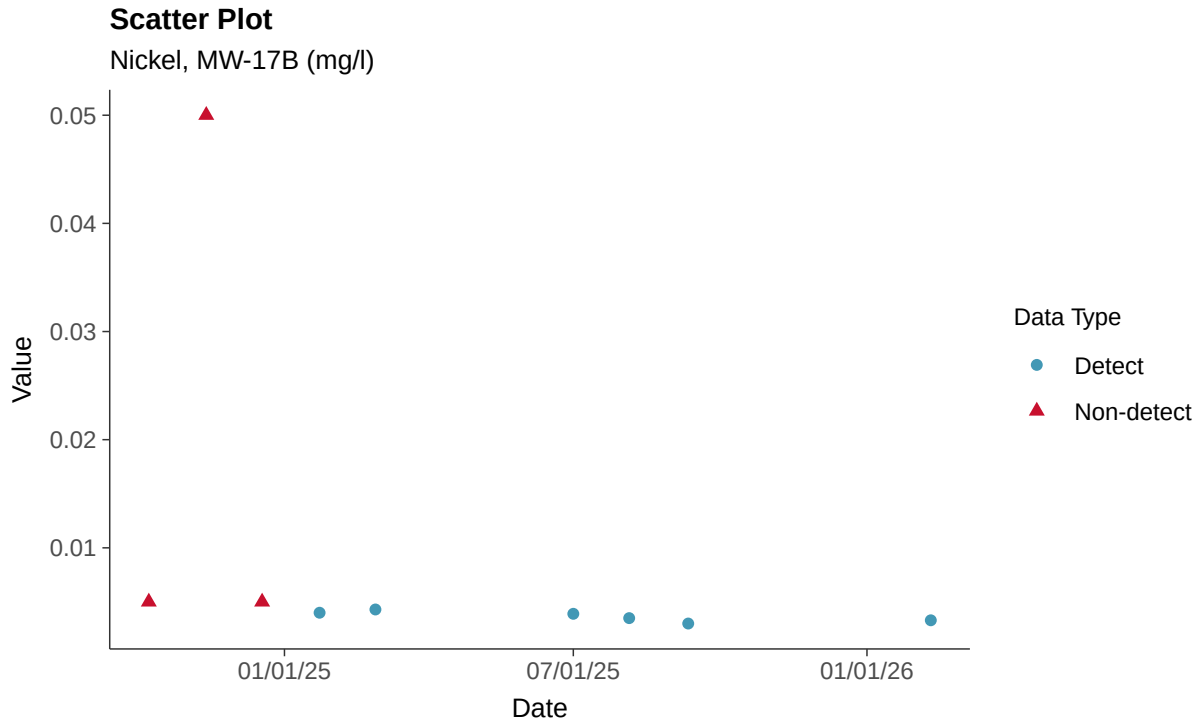
Trend Regression: Piecewise Linear-Linear-Linear

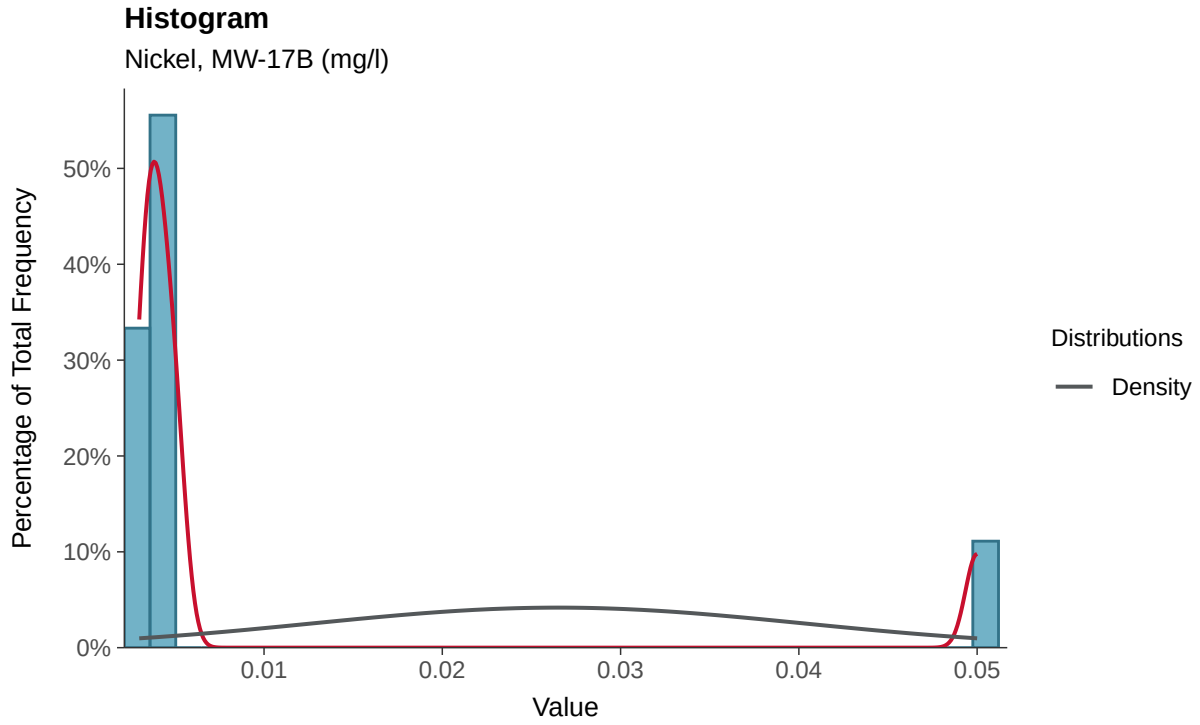
Iron, MW-17B (mg/l)



Part 115: Nickel, MW-17B

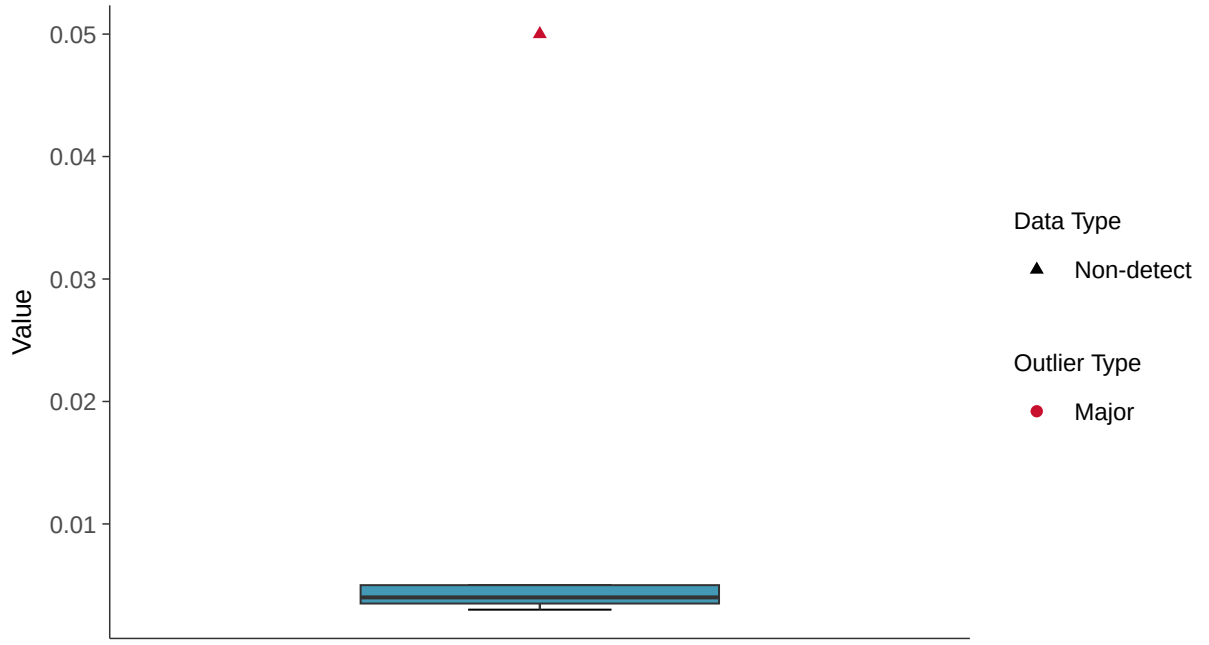
ID: 26_5_119





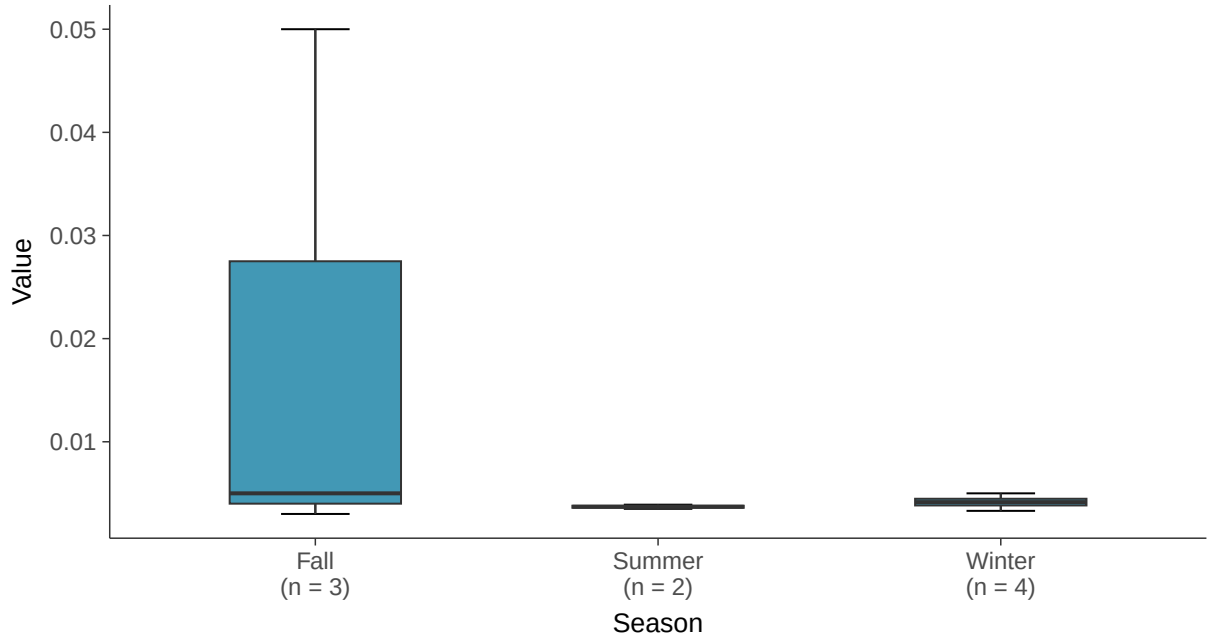
Boxplot

Nickel, MW-17B (mg/l)



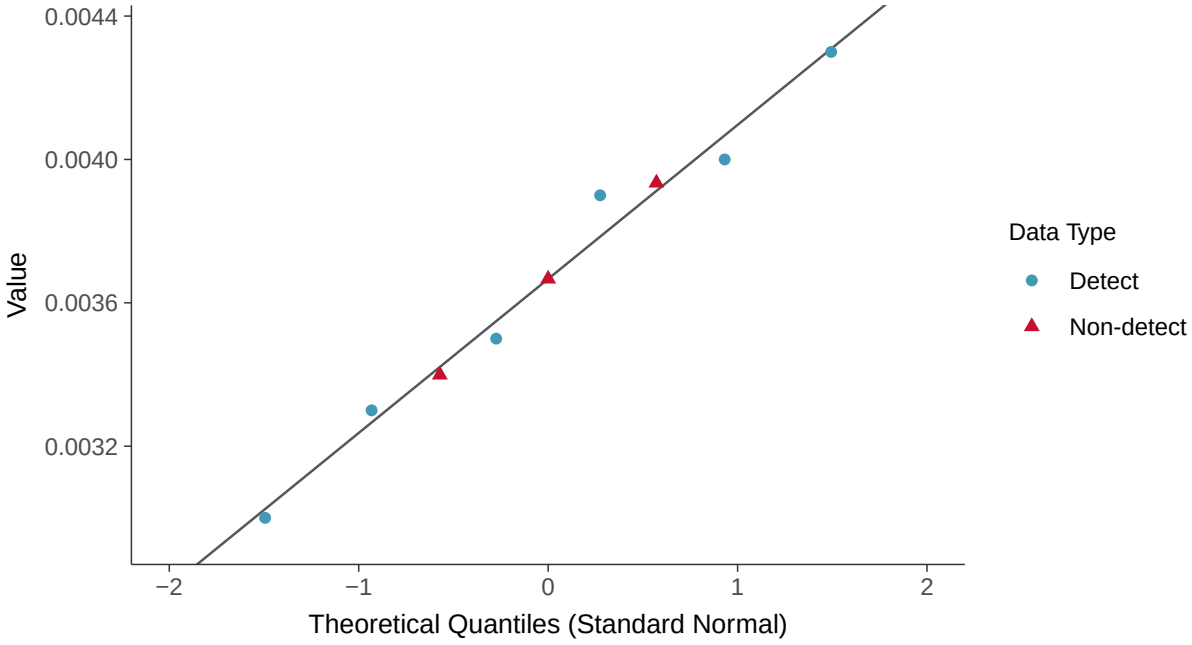
Boxplot by Season

Nickel, MW-17B (mg/l)



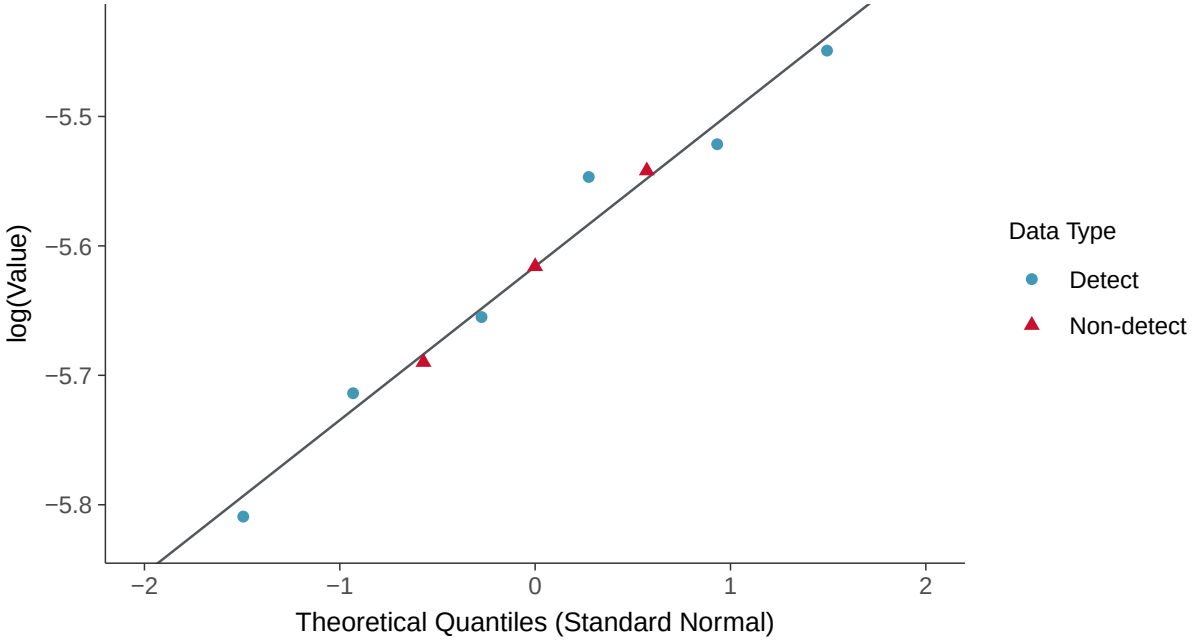
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-17B (mg/l)



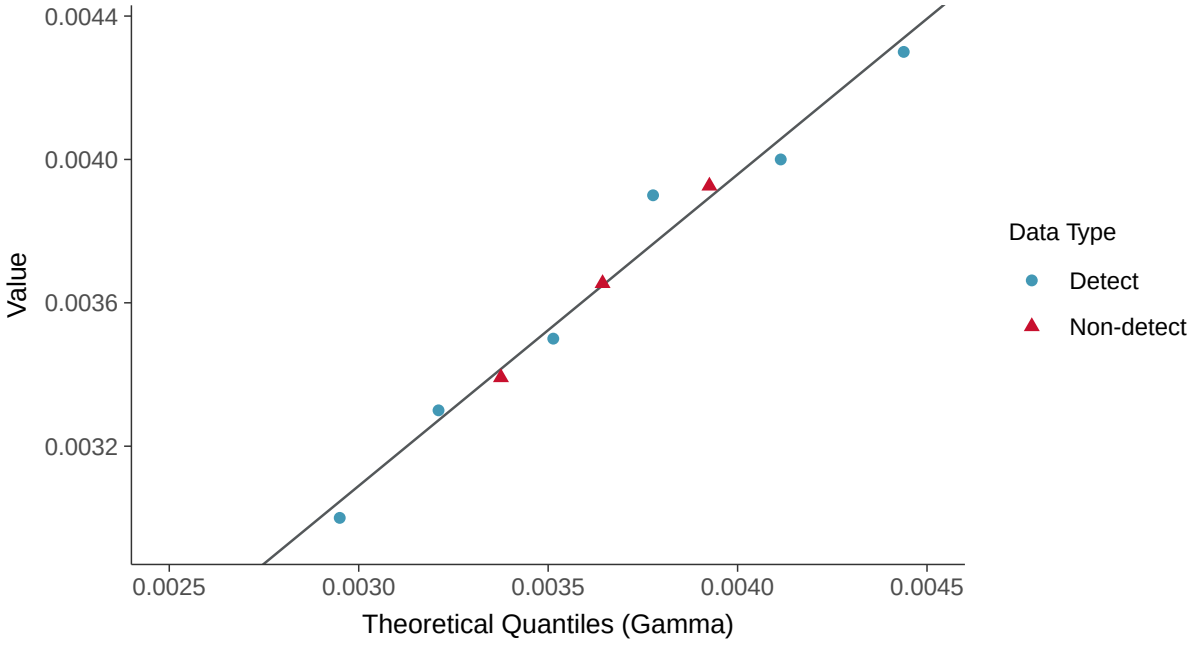
Lognormal Q-Q plot using ROS Imputed Estimates

Nickel, MW-17B (mg/l)



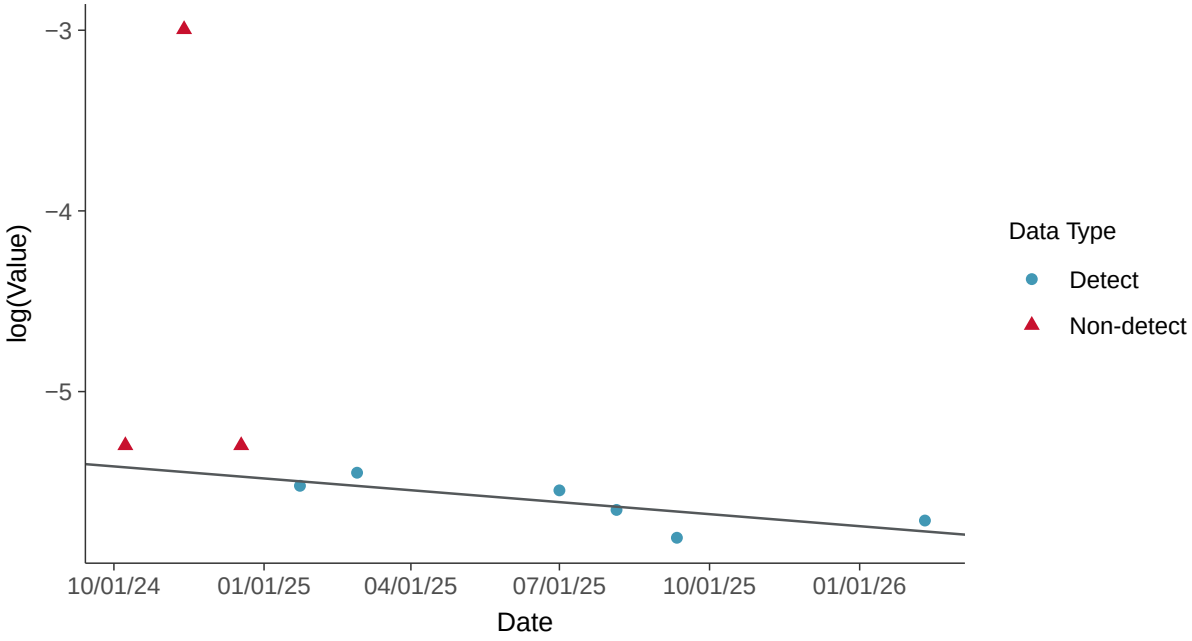
Gamma Q-Q plot using ROS Imputed Estimates

Nickel, MW-17B (mg/l)



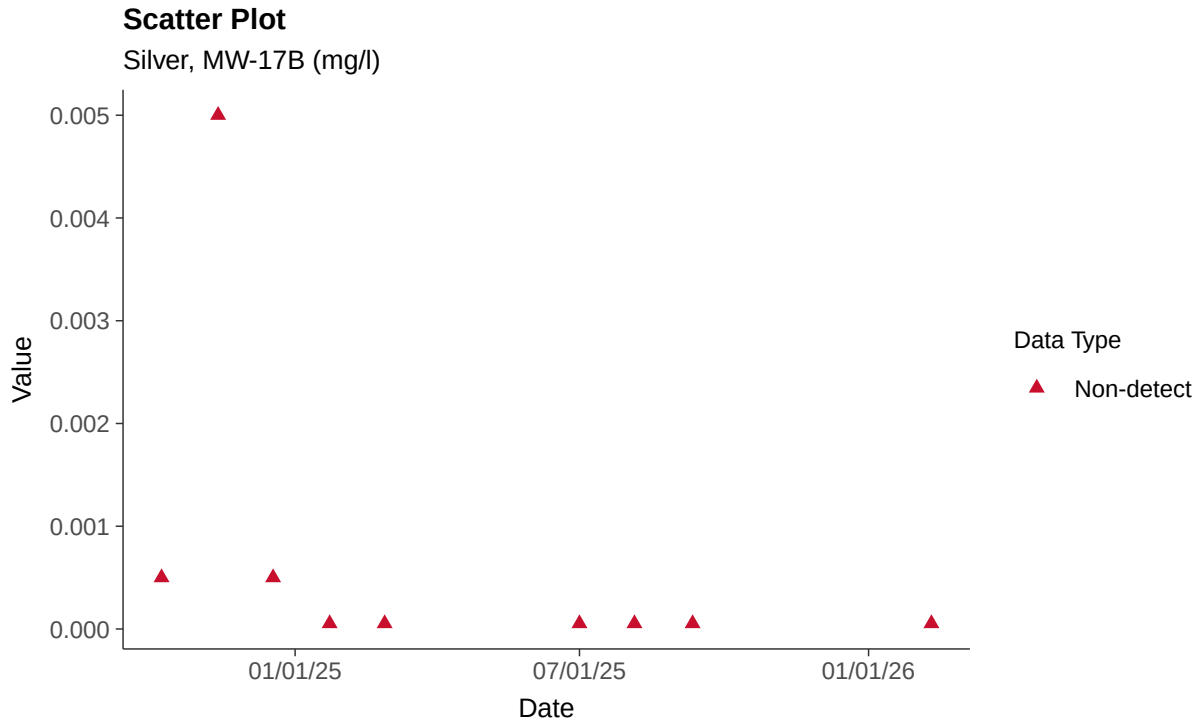
Trend Regression: Lognormal MLE

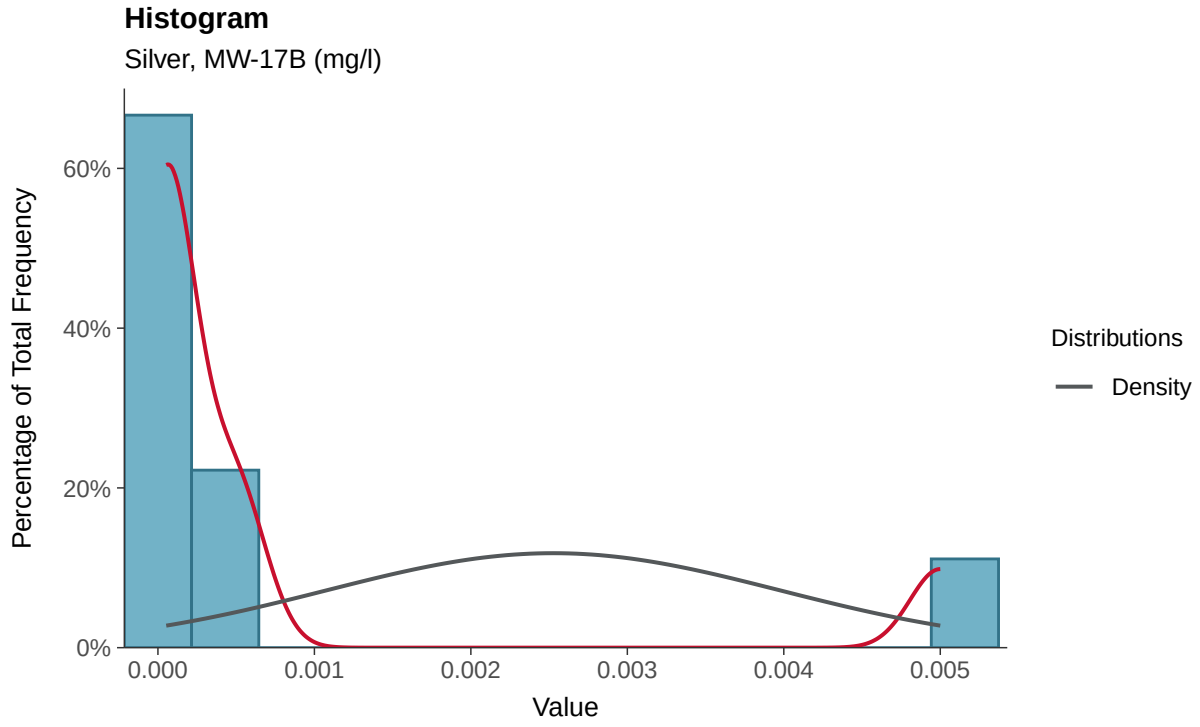
Nickel, MW-17B (mg/l)



Part 115: Silver, MW-17B

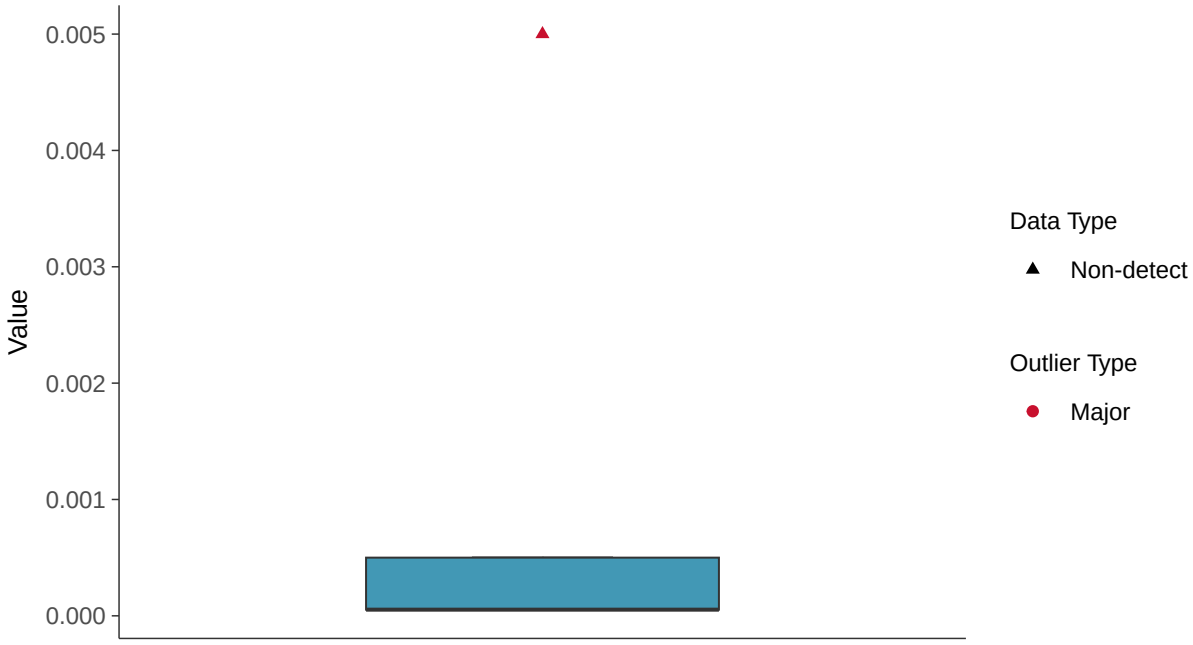
ID: 26_5_123





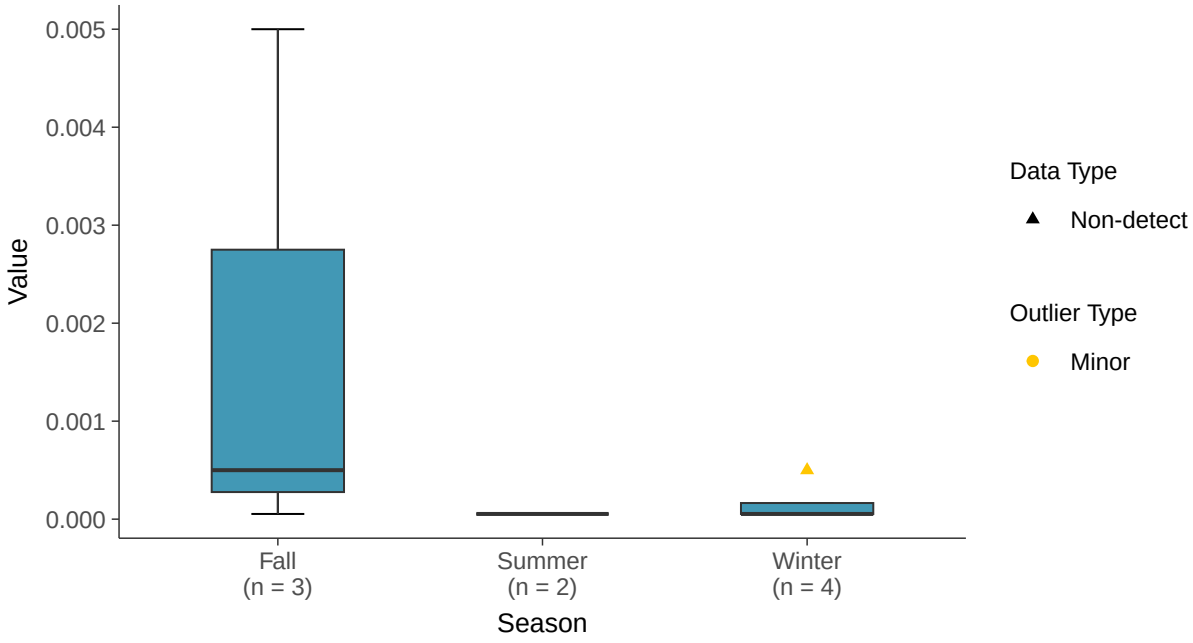
Boxplot

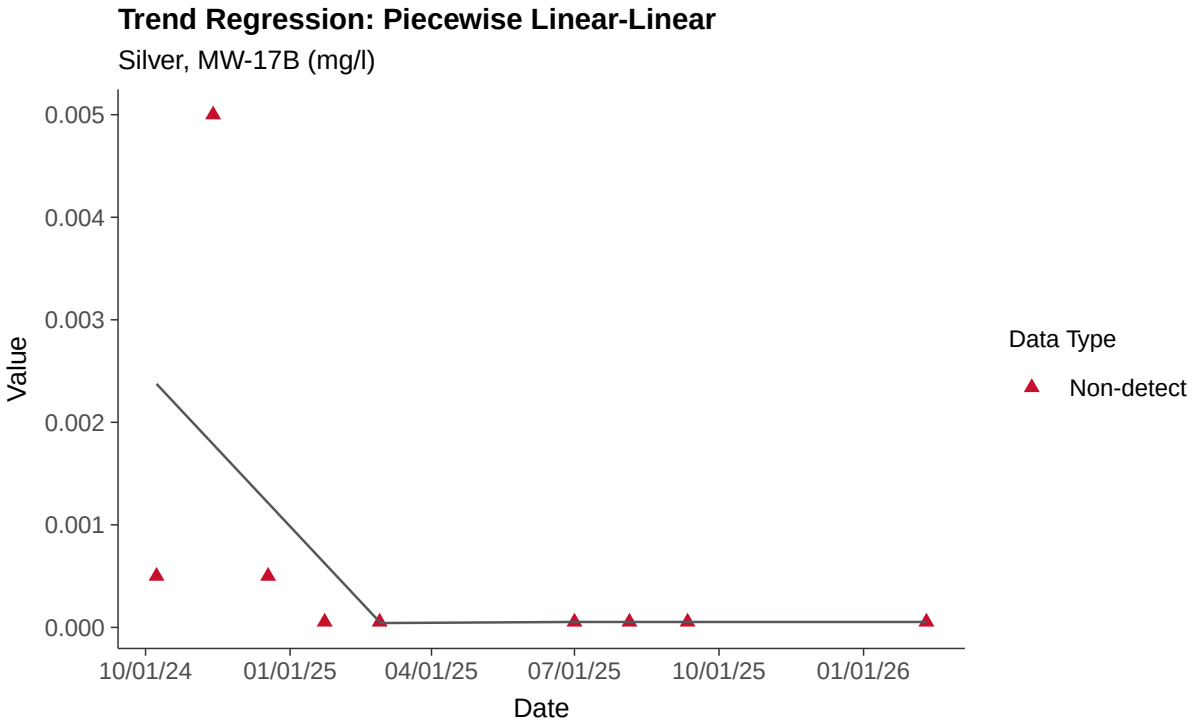
Silver, MW-17B (mg/l)



Boxplot by Season

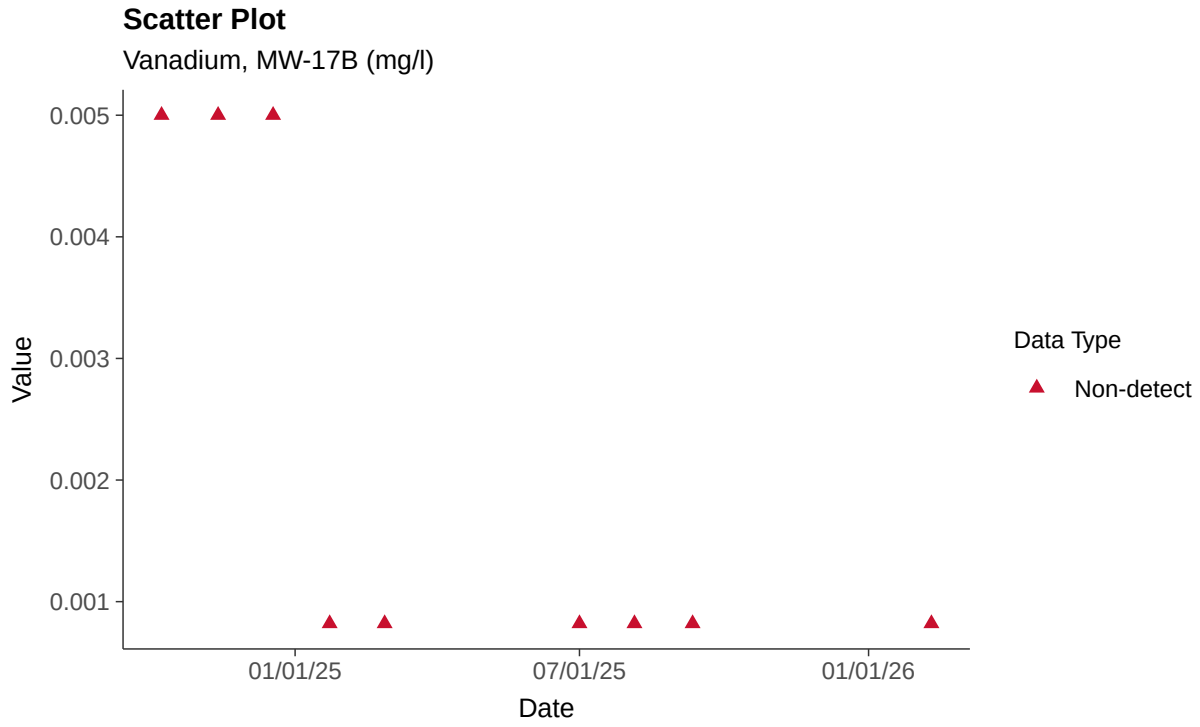
Silver, MW-17B (mg/l)

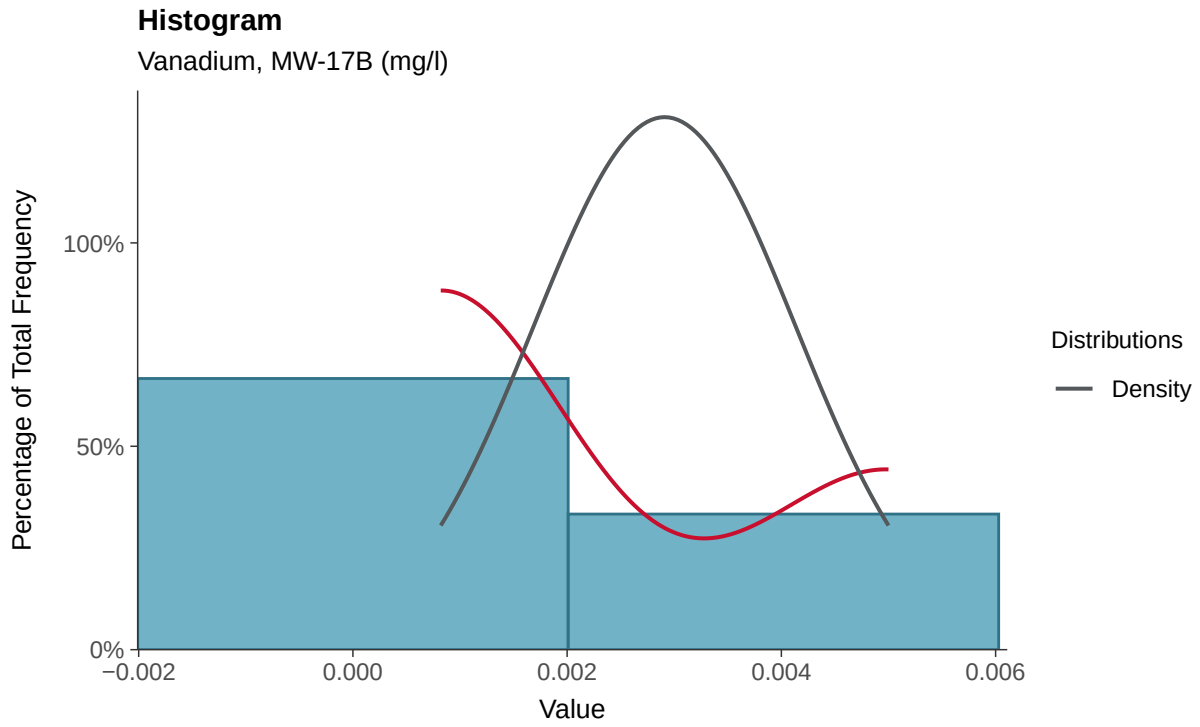



Trend Regression: Piecewise Linear-Linear
Silver, MW-17B (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Vanadium, MW-17B

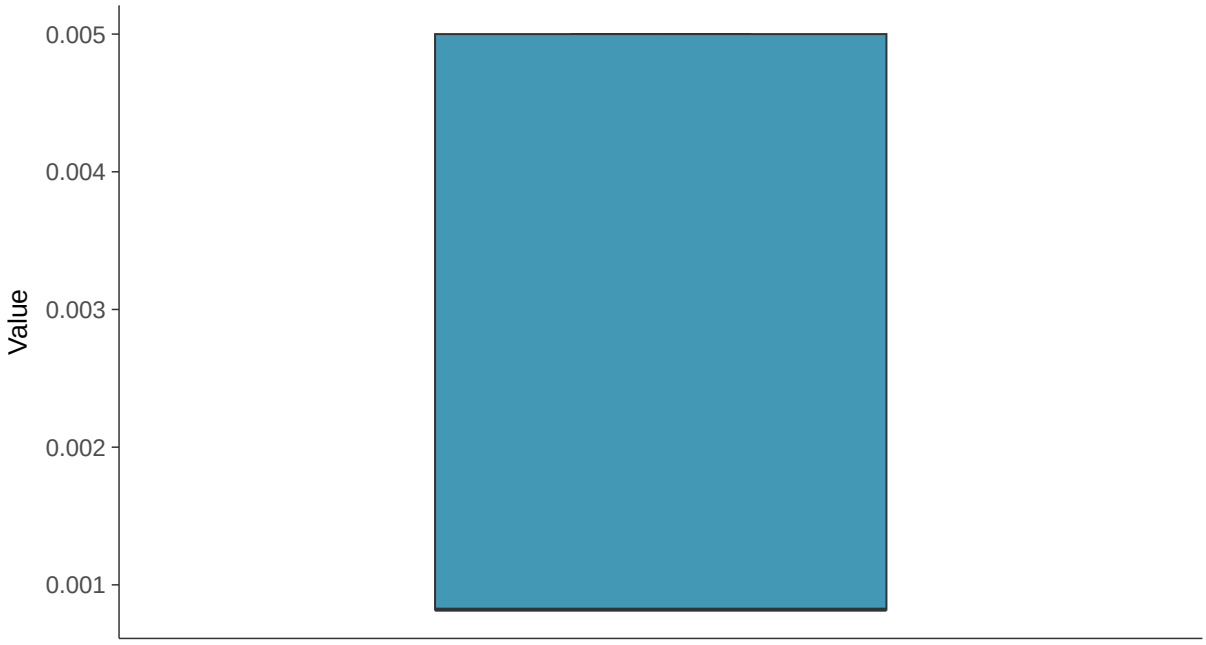
ID: 26_5_128





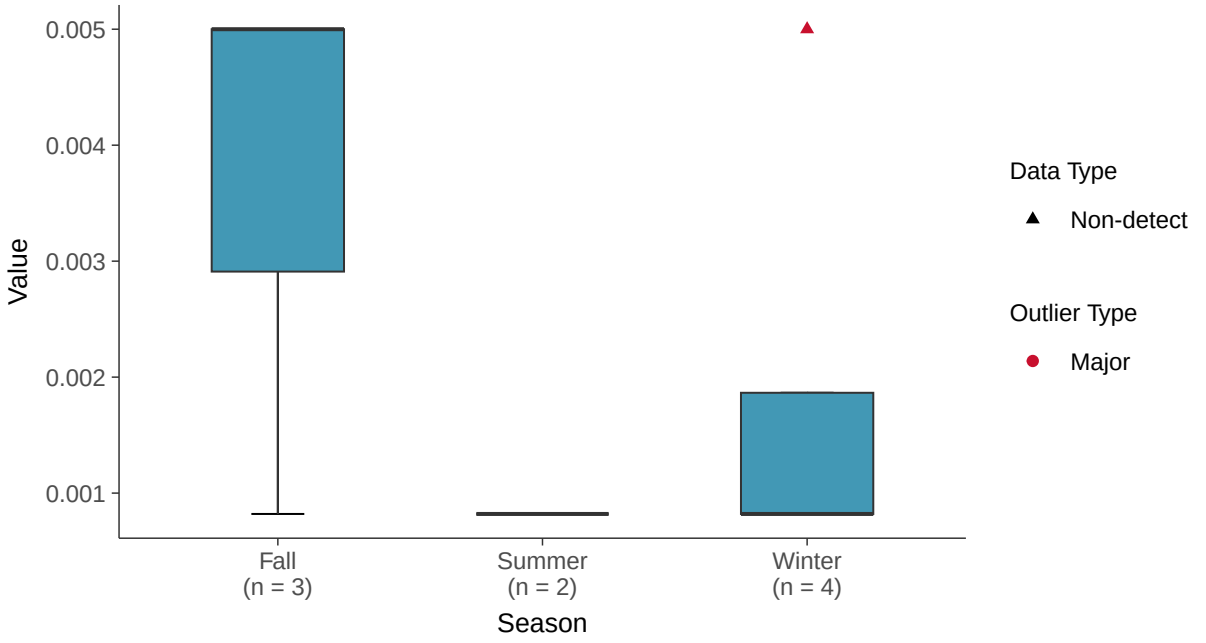
Boxplot

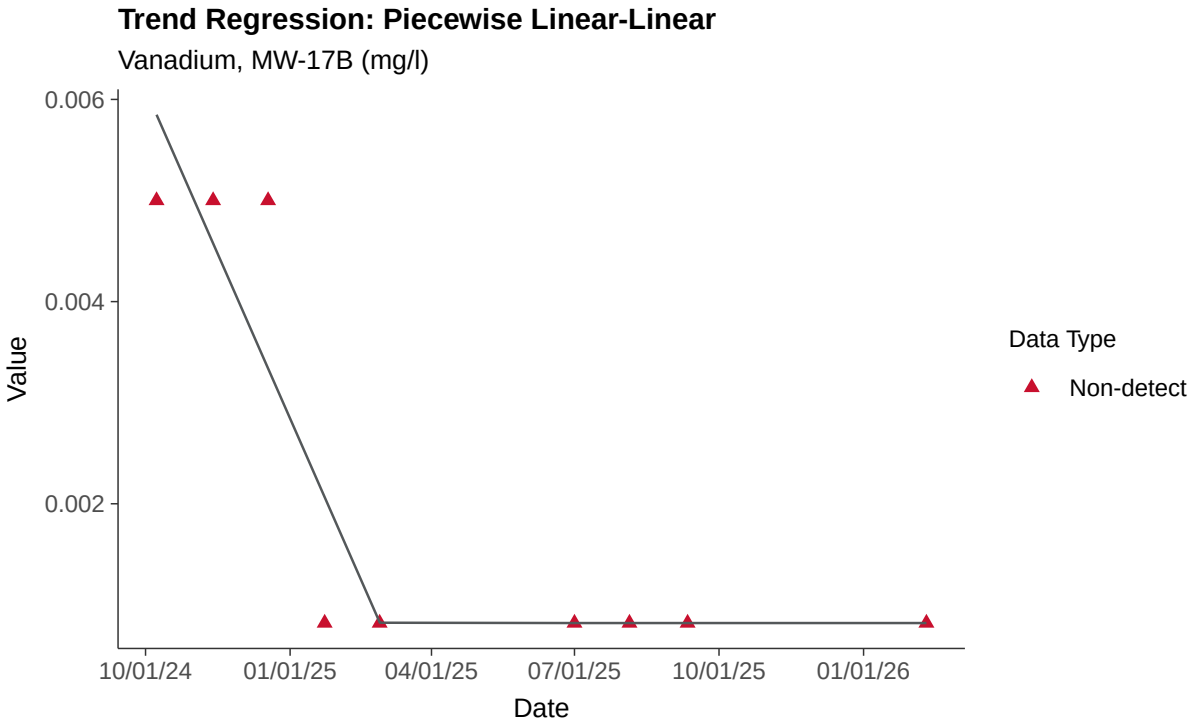
Vanadium, MW-17B (mg/l)



Boxplot by Season

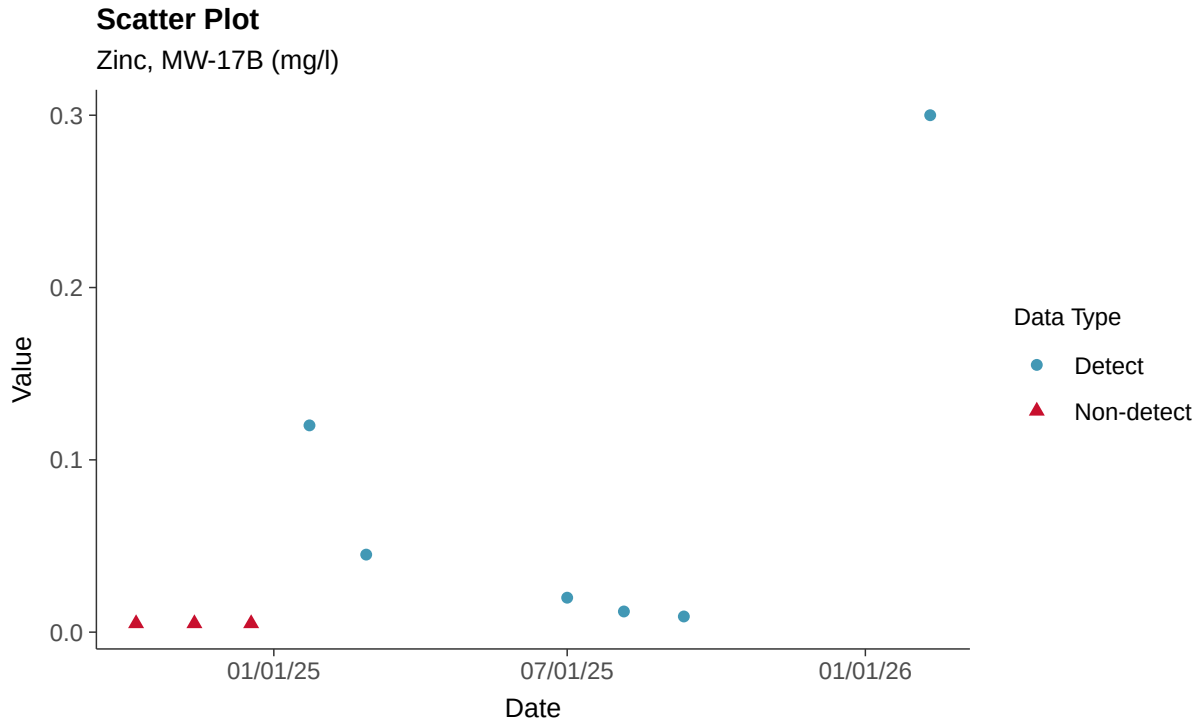
Vanadium, MW-17B (mg/l)

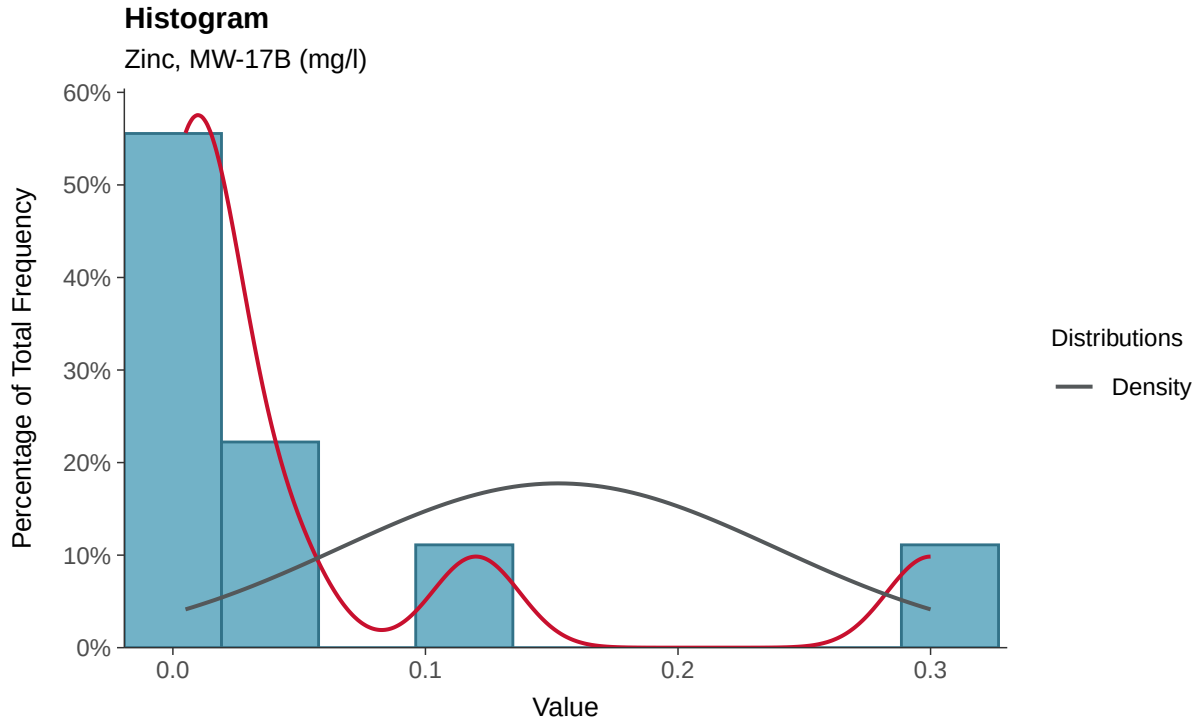



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-17B (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-17B

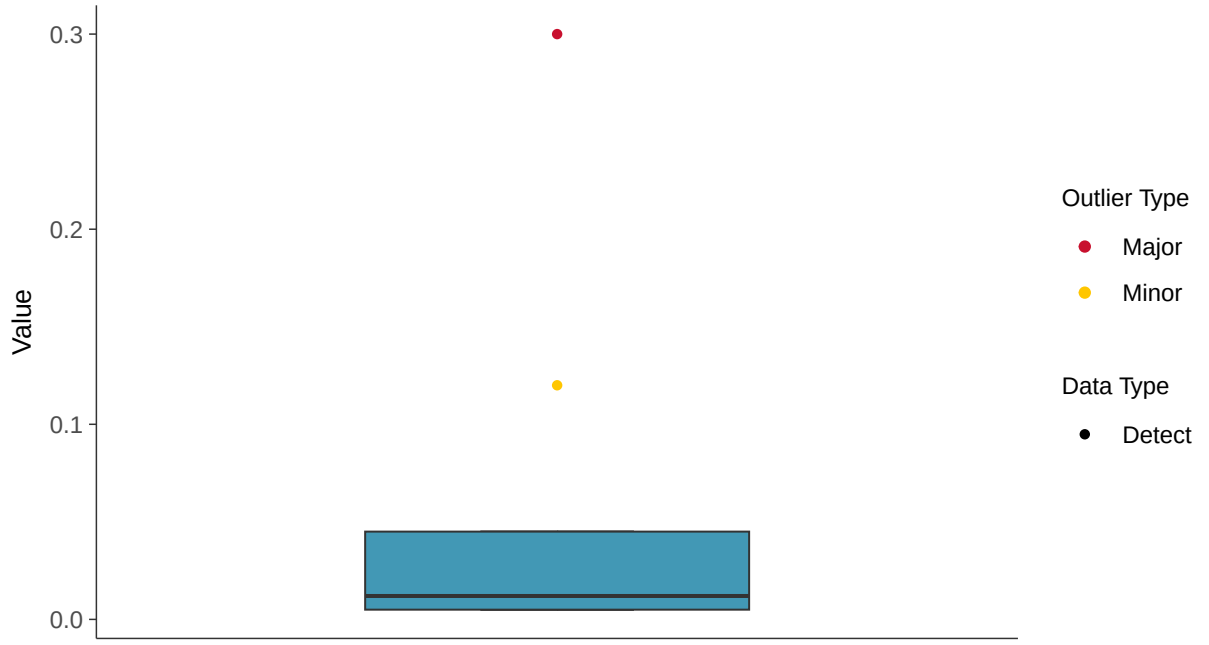
ID: 26_5_129





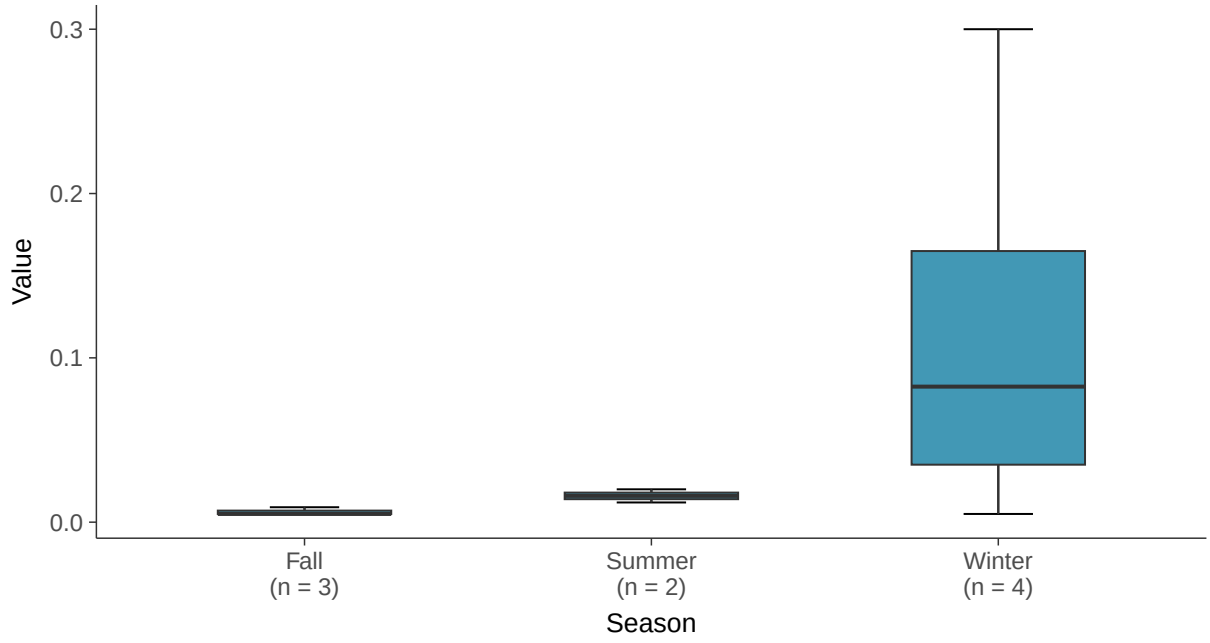
Boxplot

Zinc, MW-17B (mg/l)



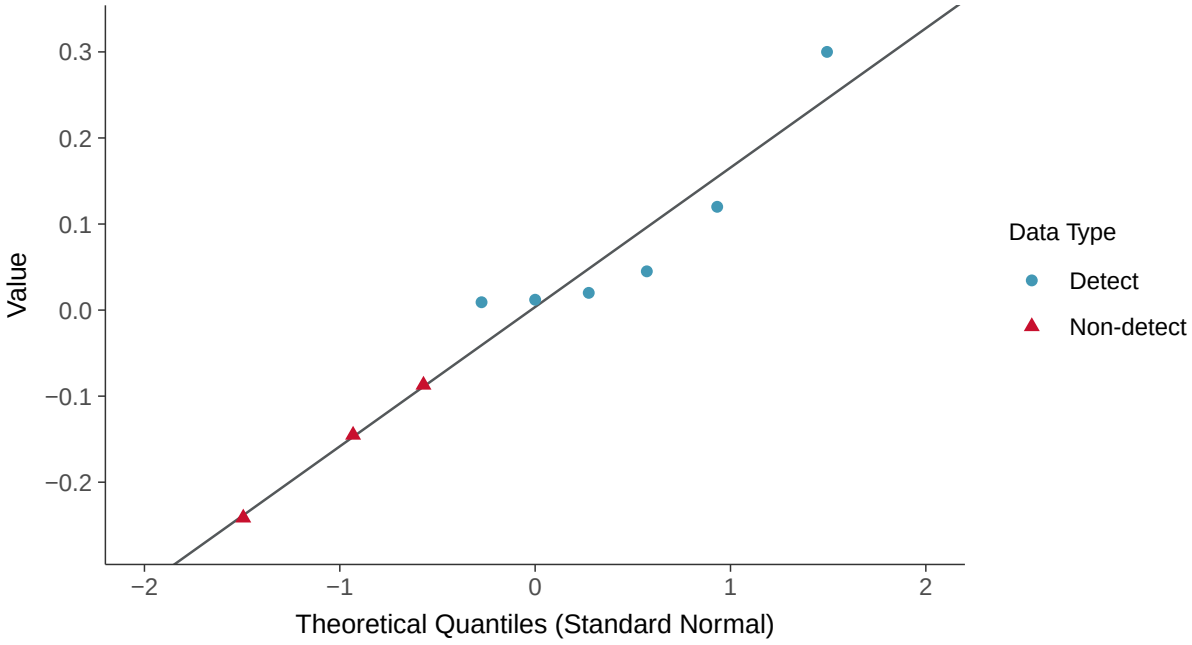
Boxplot by Season

Zinc, MW-17B (mg/l)



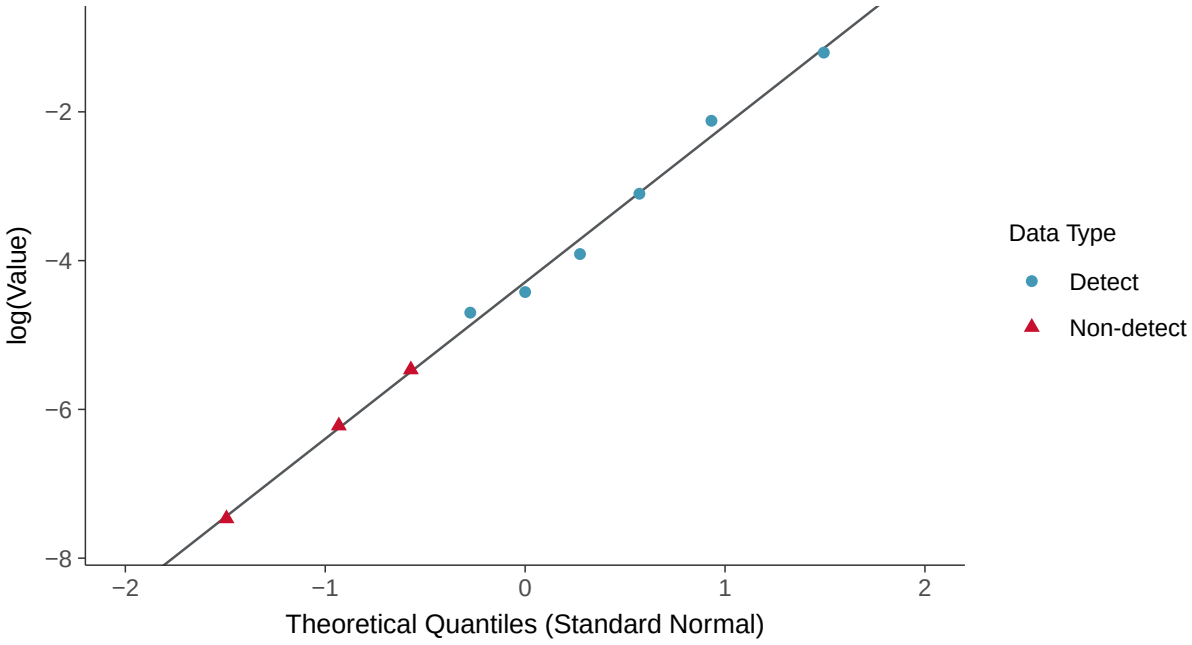
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-17B (mg/l)



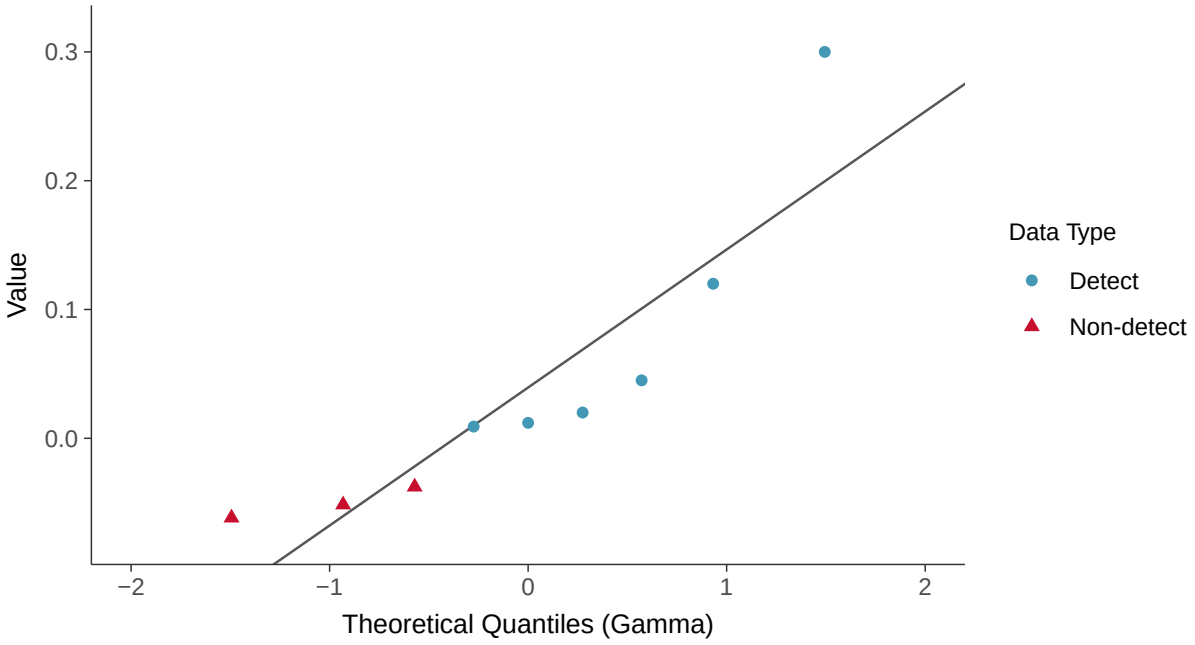
Lognormal Q-Q plot using ROS Imputed Estimates

Zinc, MW-17B (mg/l)



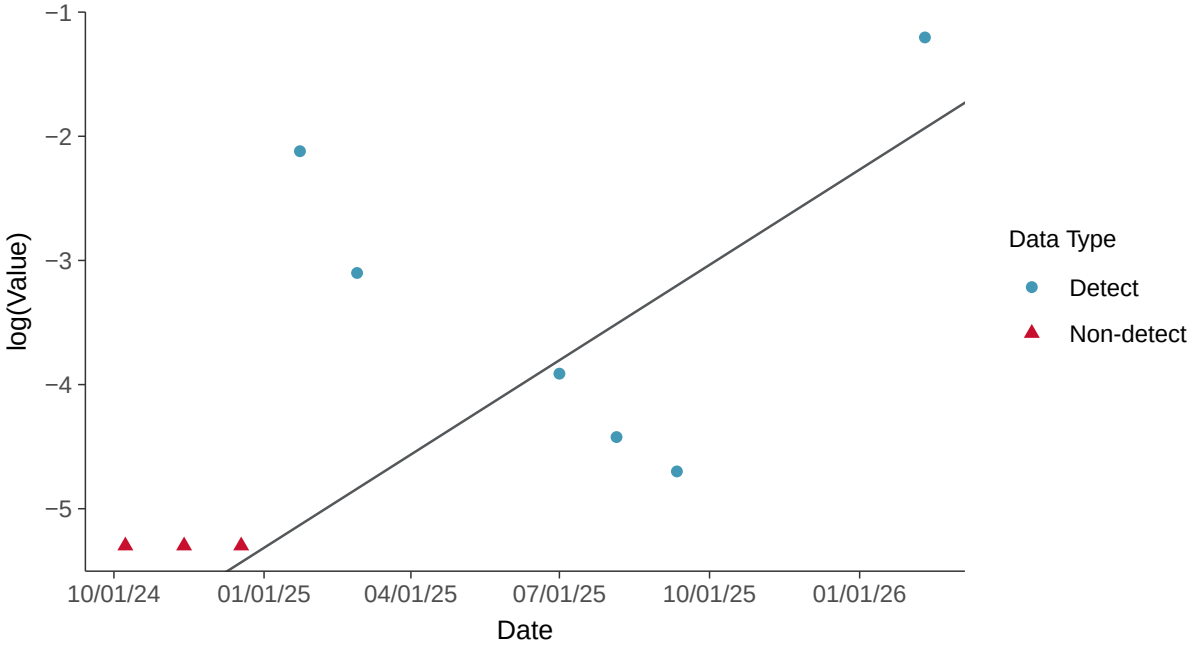
Gamma Q-Q plot using ROS Imputed Estimates

Zinc, MW-17B (mg/l)



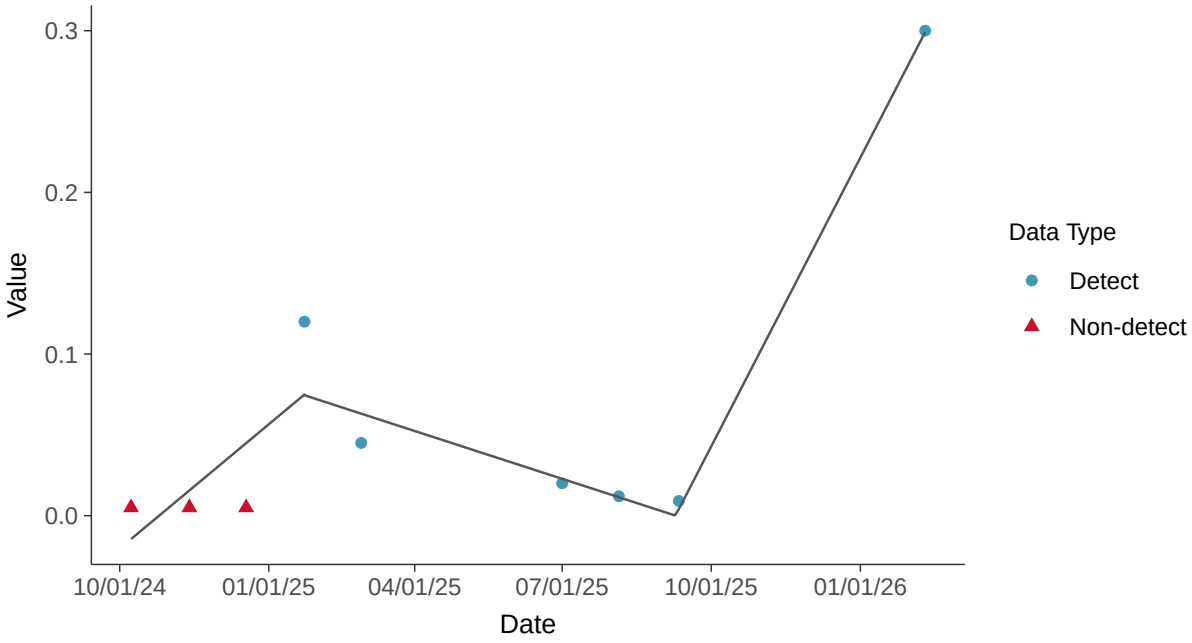
Trend Regression: Lognormal MLE

Zinc, MW-17B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Zinc, MW-17B (mg/l)

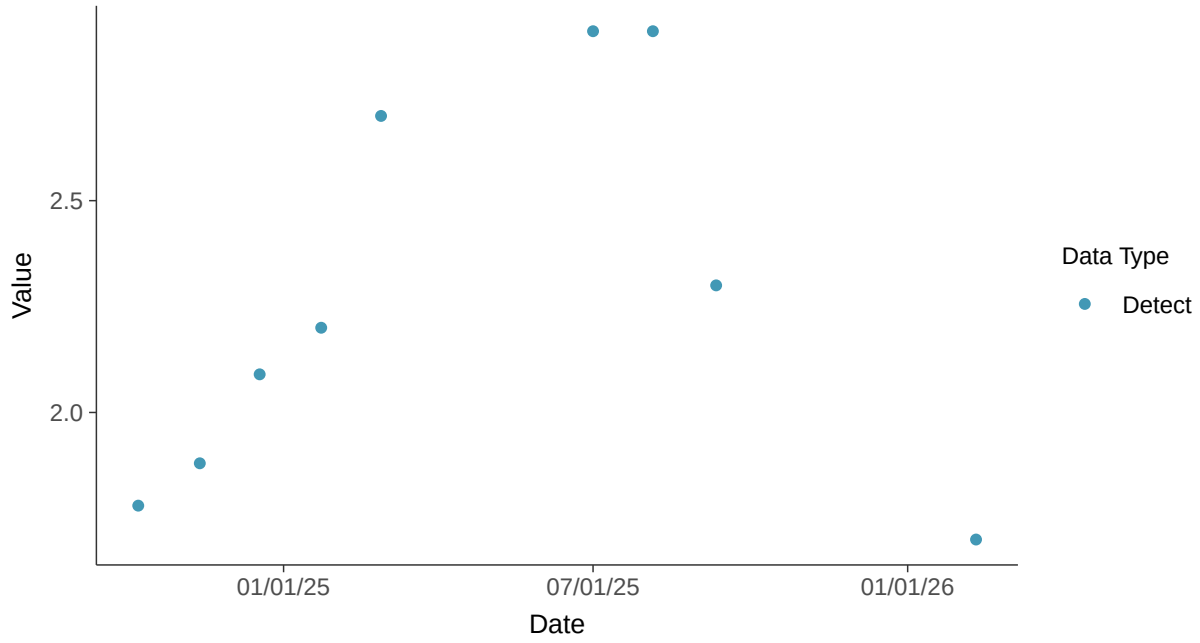


Appendix III: Boron, MW-17C

ID: 27_2_105

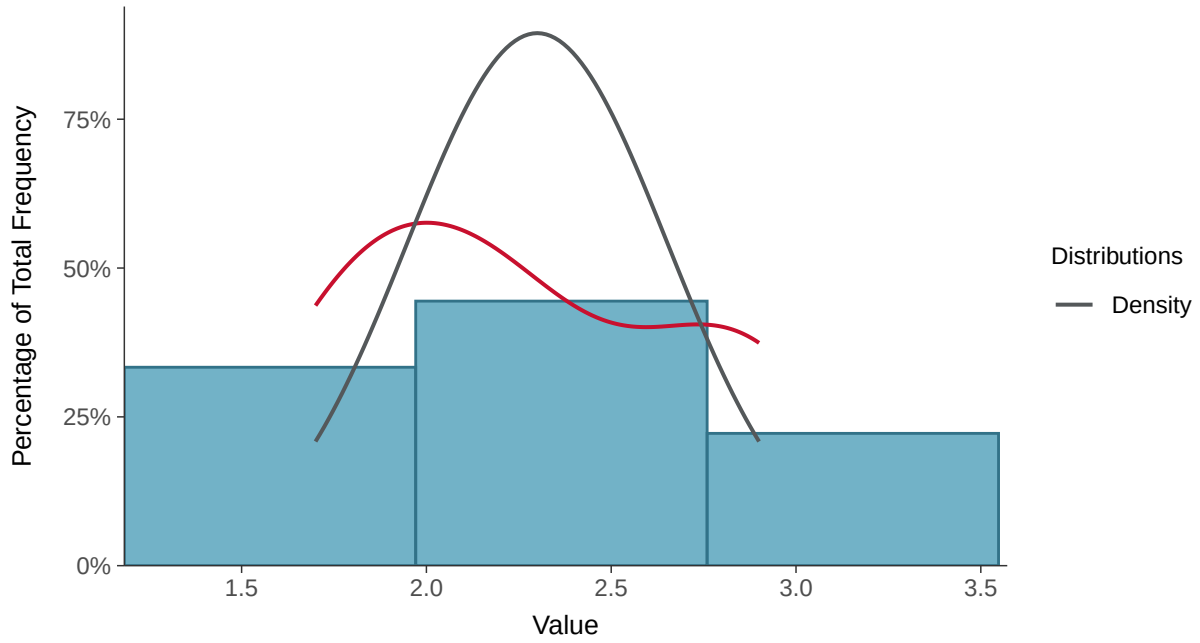
Scatter Plot

Boron, MW-17C (mg/l)



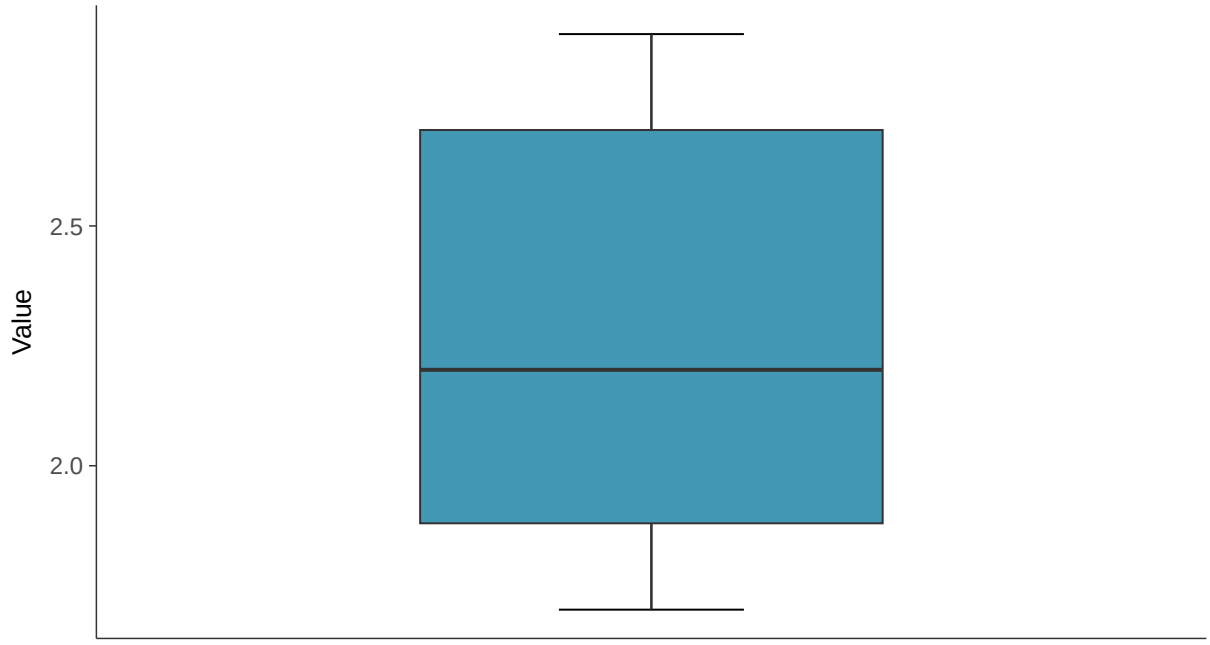
Histogram

Boron, MW-17C (mg/l)



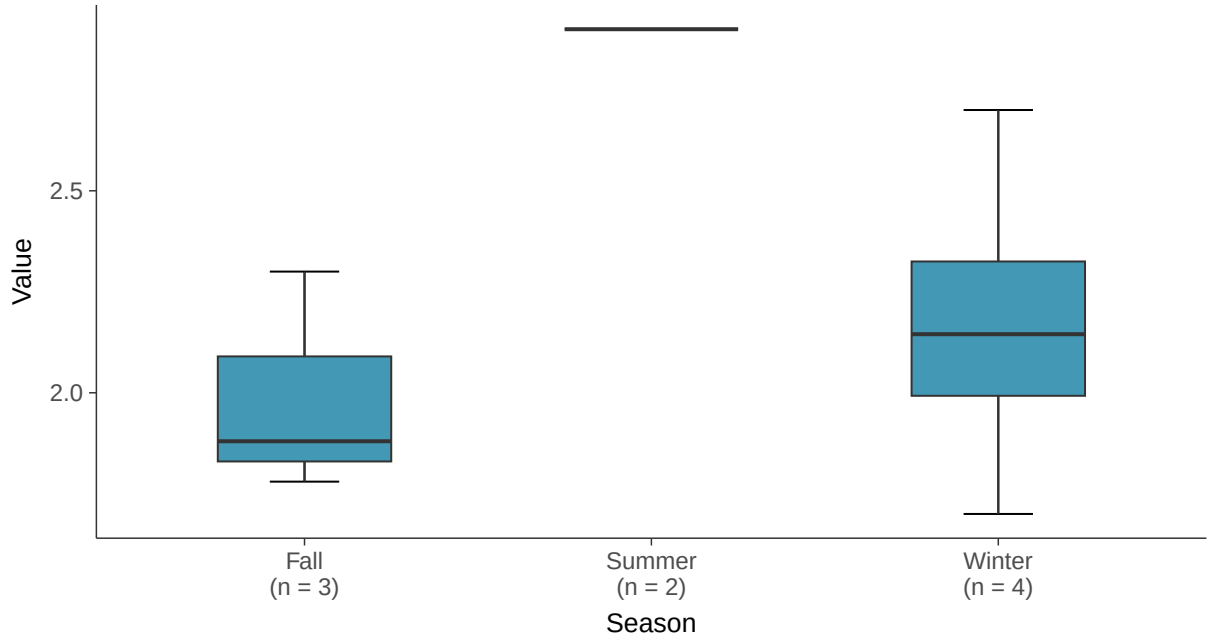
Boxplot

Boron, MW-17C (mg/l)



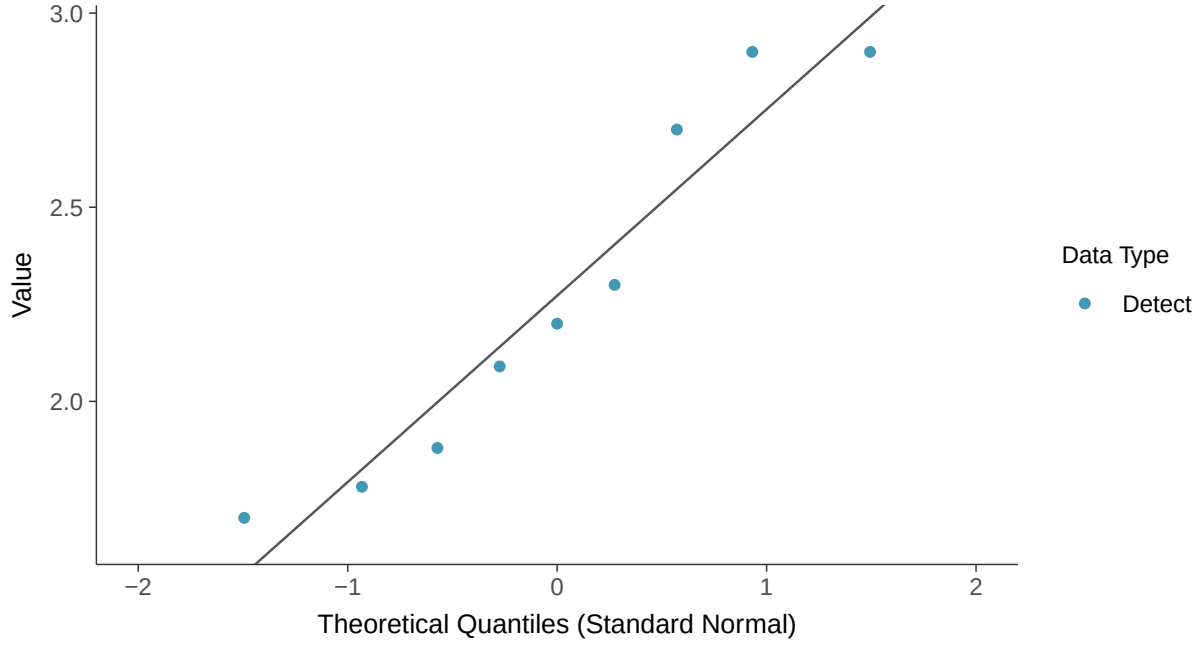
Boxplot by Season

Boron, MW-17C (mg/l)



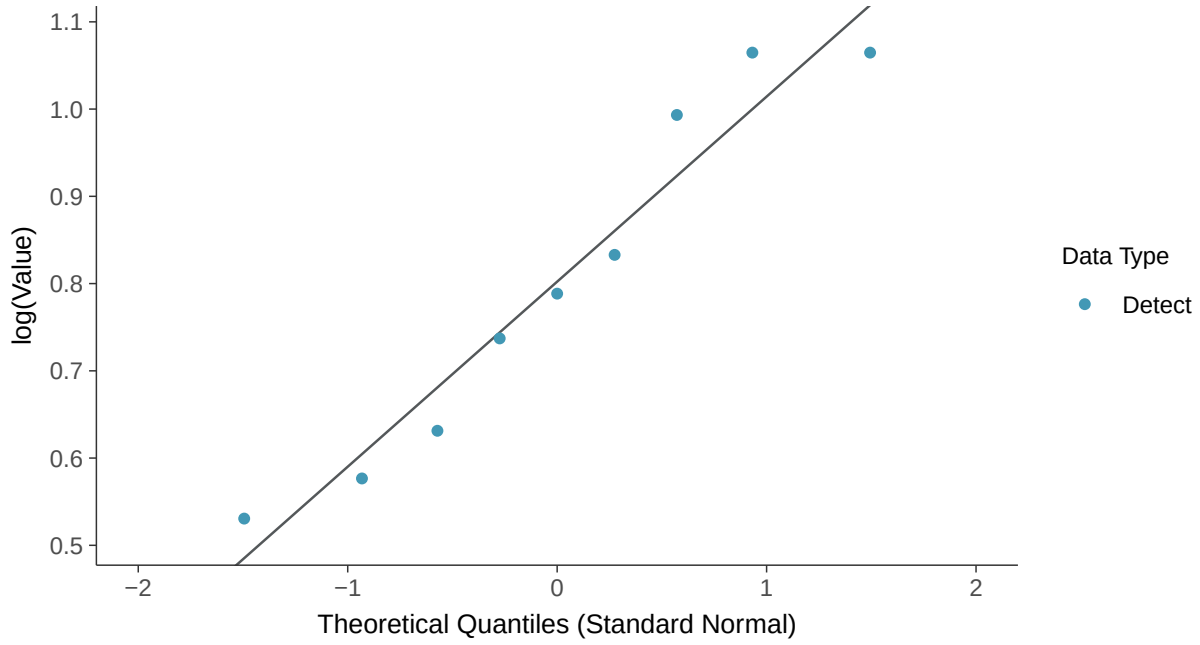
Normal Q-Q plot

Boron, MW-17C (mg/l)



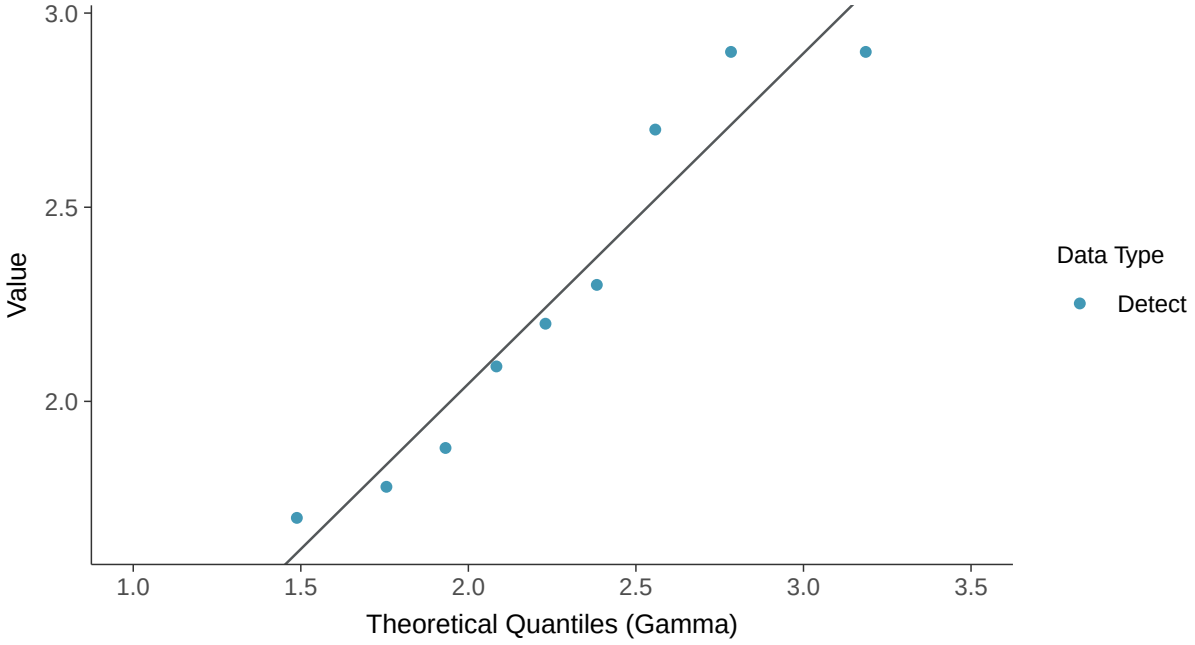
Lognormal Q-Q plot

Boron, MW-17C (mg/l)



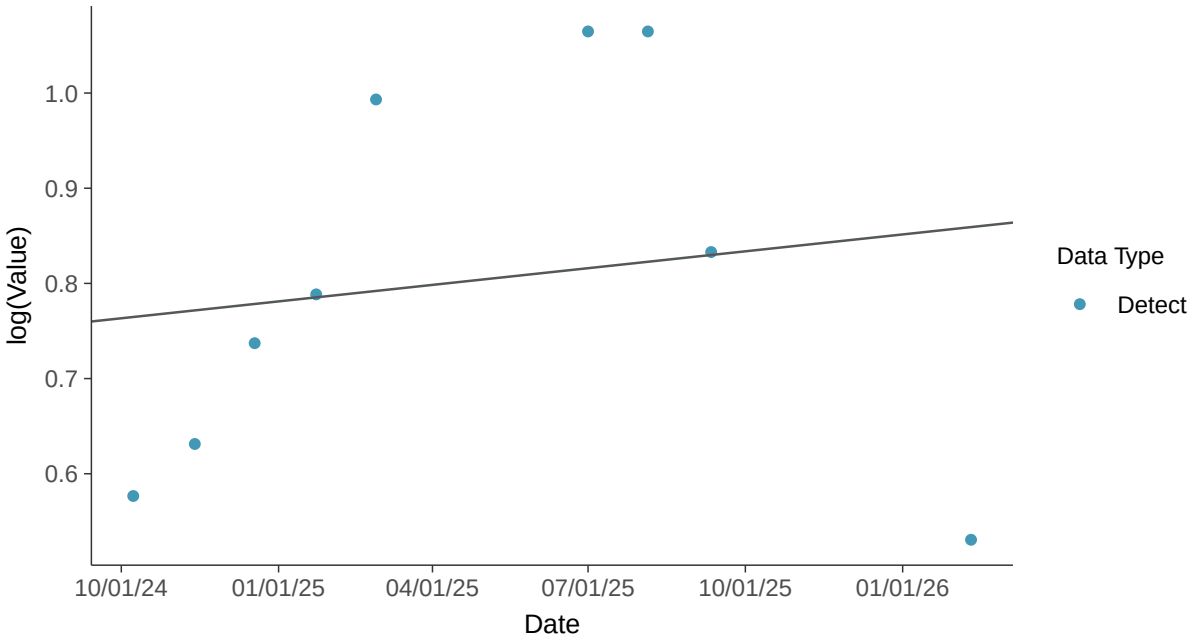
Gamma Q-Q plot

Boron, MW-17C (mg/l)



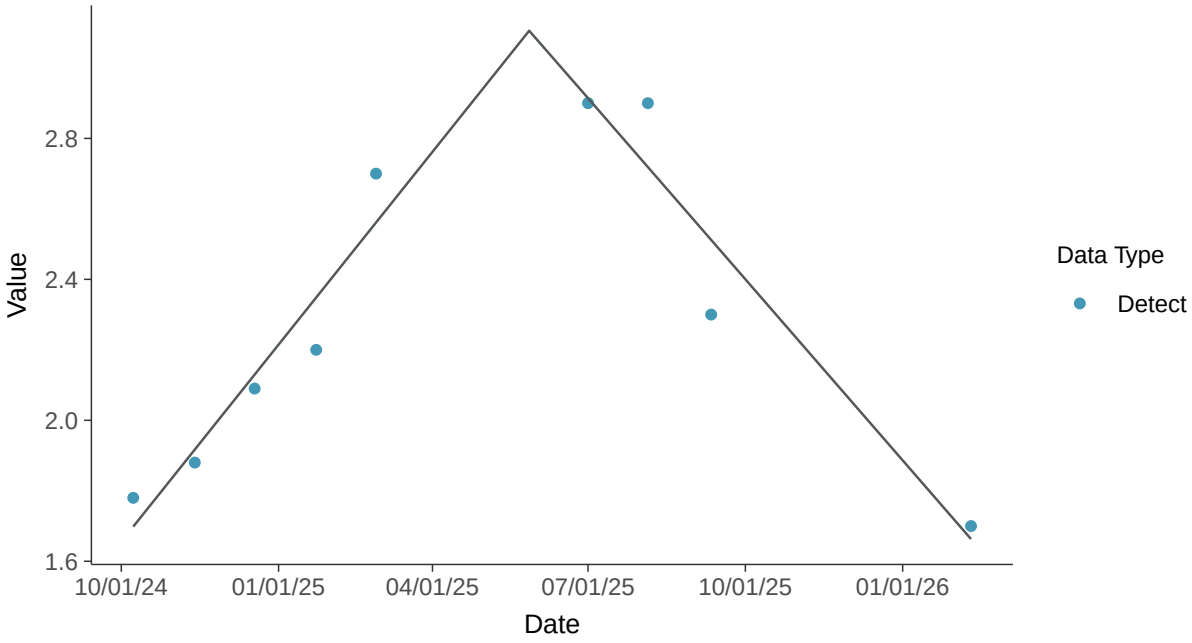
Trend Regression: Lognormal MLE

Boron, MW-17C (mg/l)



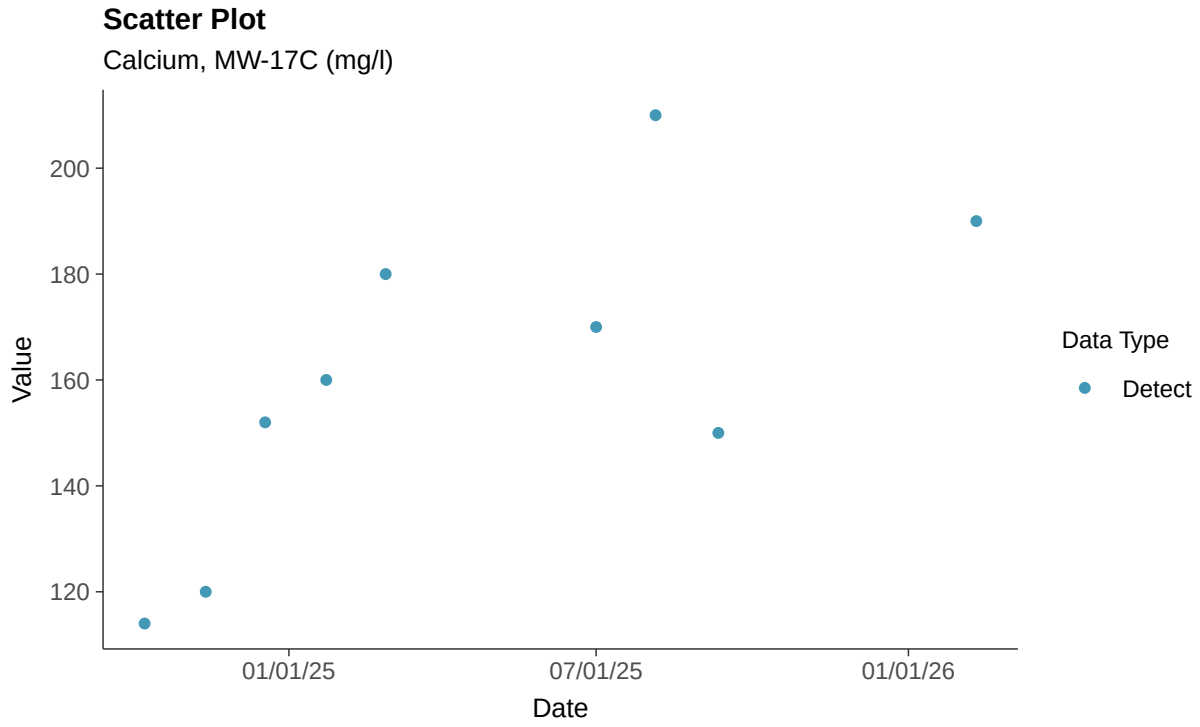
Trend Regression: Piecewise Linear-Linear

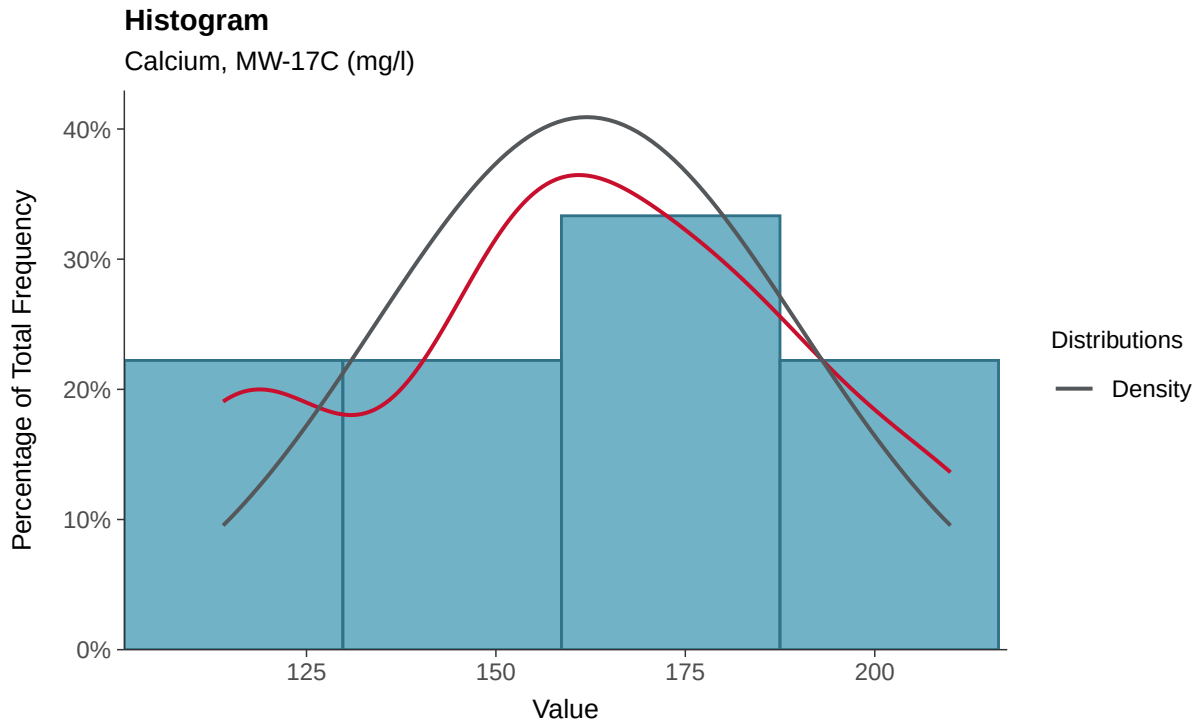
Boron, MW-17C (mg/l)



Appendix III: Calcium, MW-17C

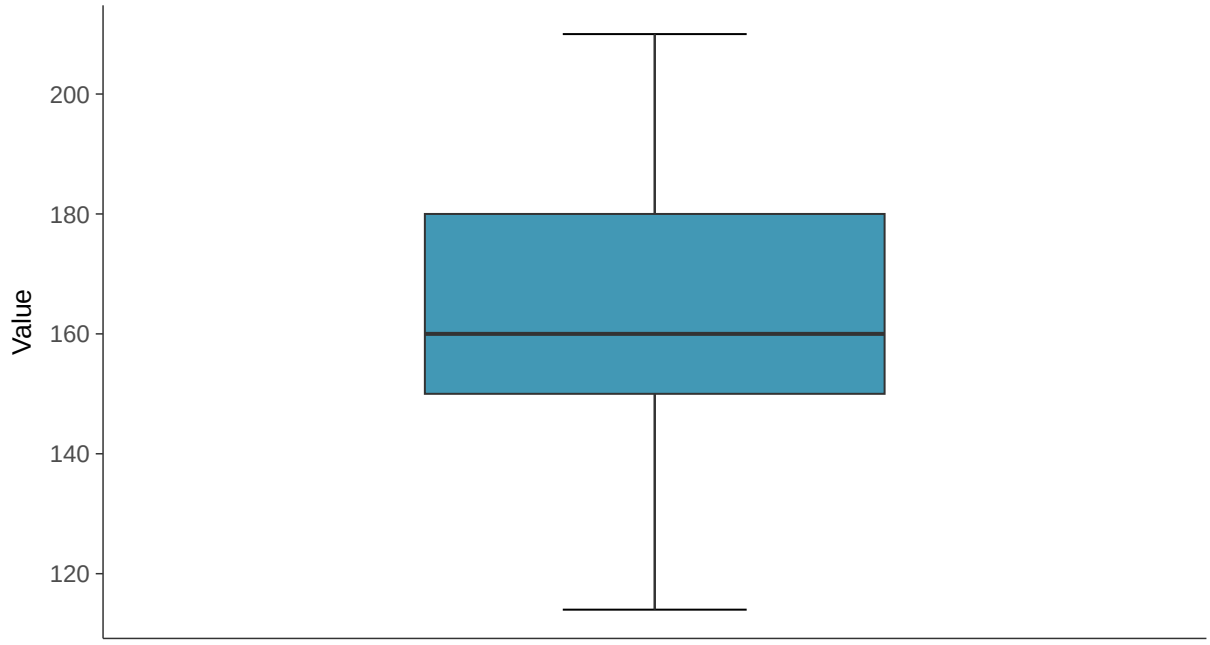
ID: 27_2_107





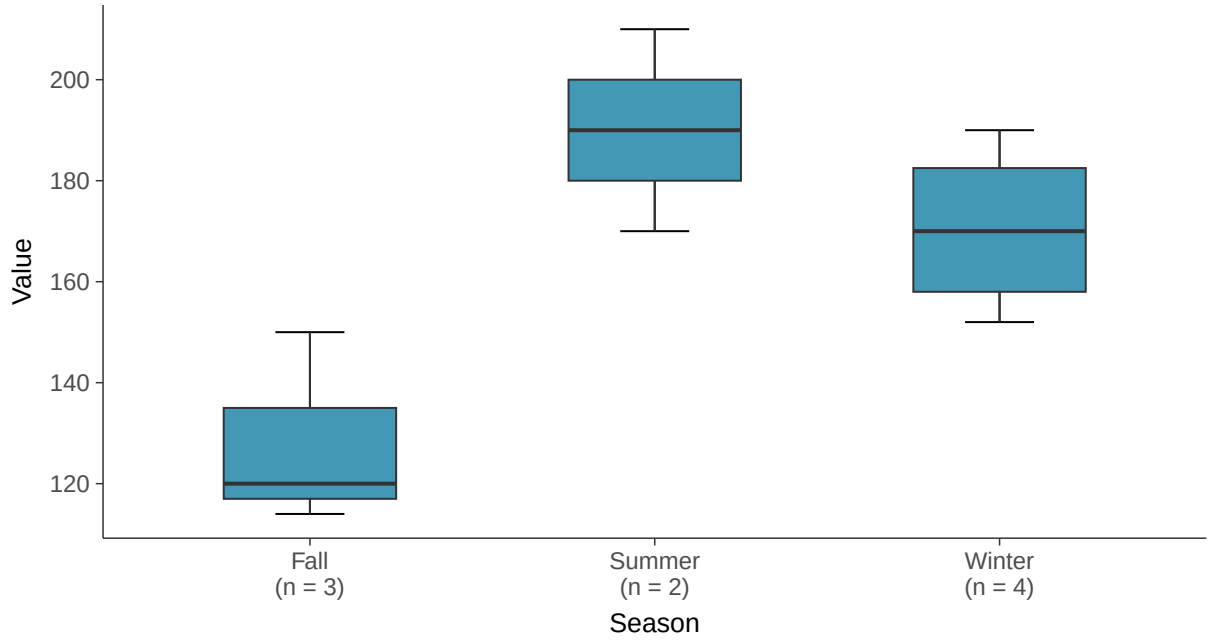
Boxplot

Calcium, MW-17C (mg/l)



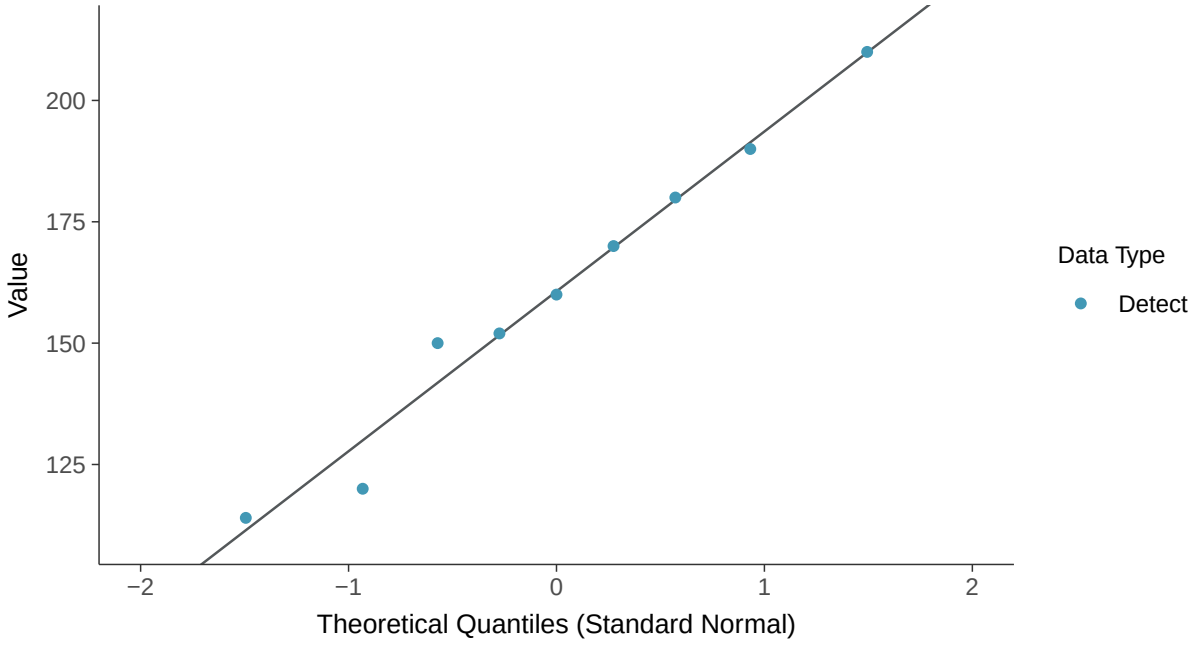
Boxplot by Season

Calcium, MW-17C (mg/l)



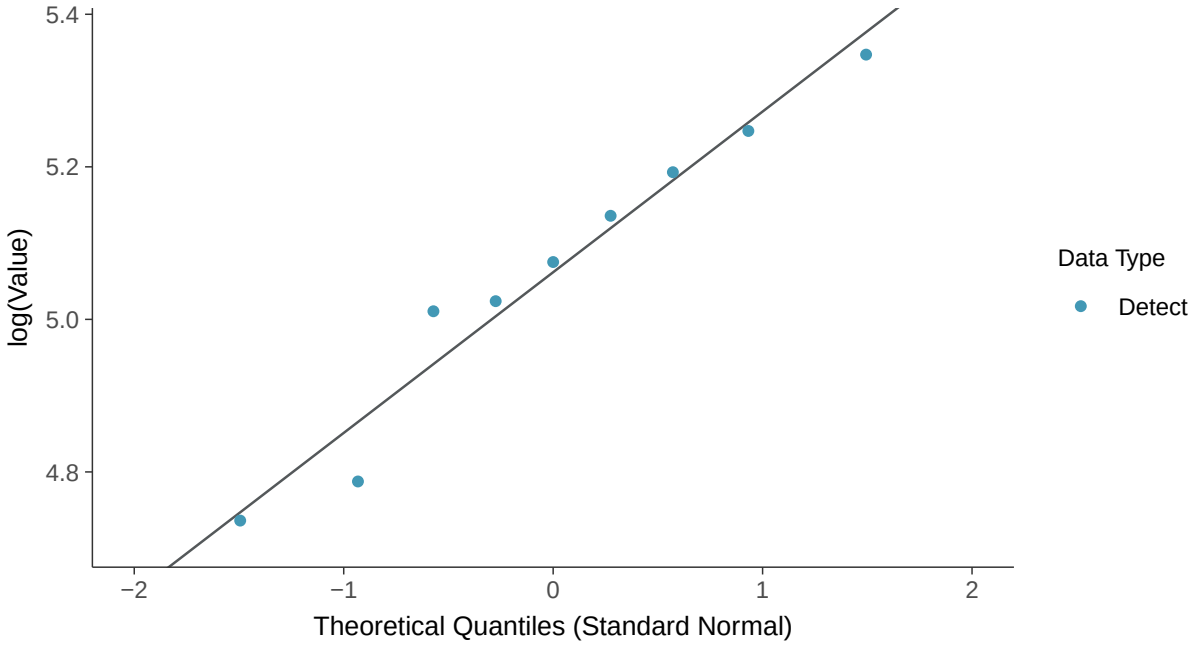
Normal Q-Q plot

Calcium, MW-17C (mg/l)



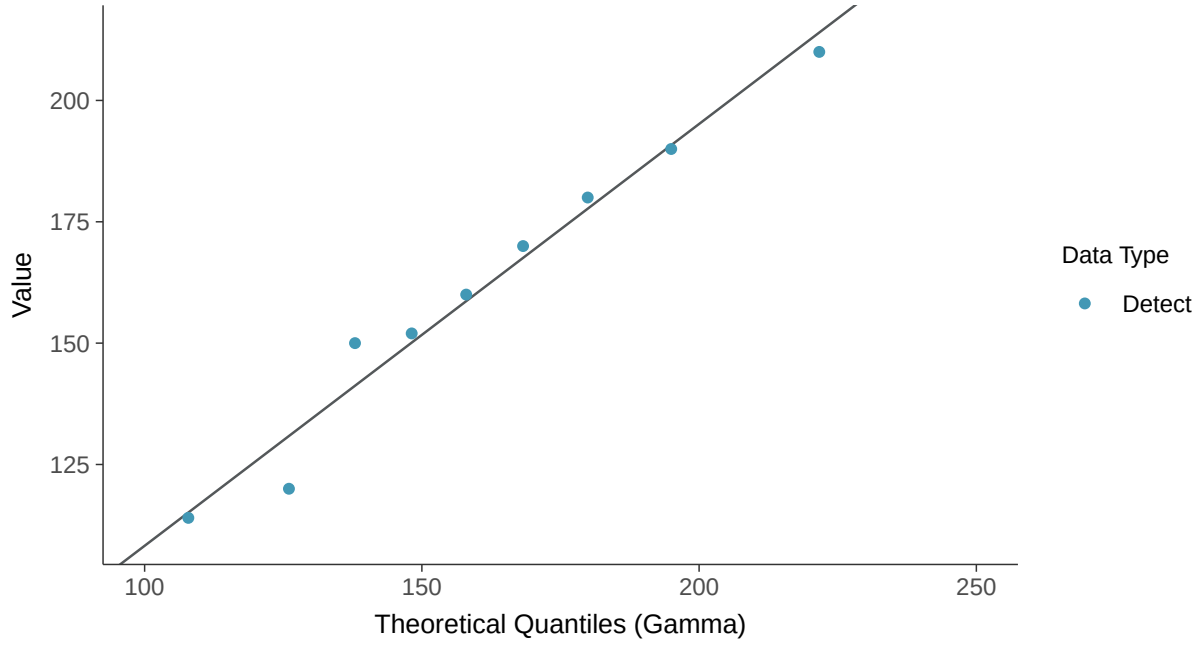
Lognormal Q-Q plot

Calcium, MW-17C (mg/l)



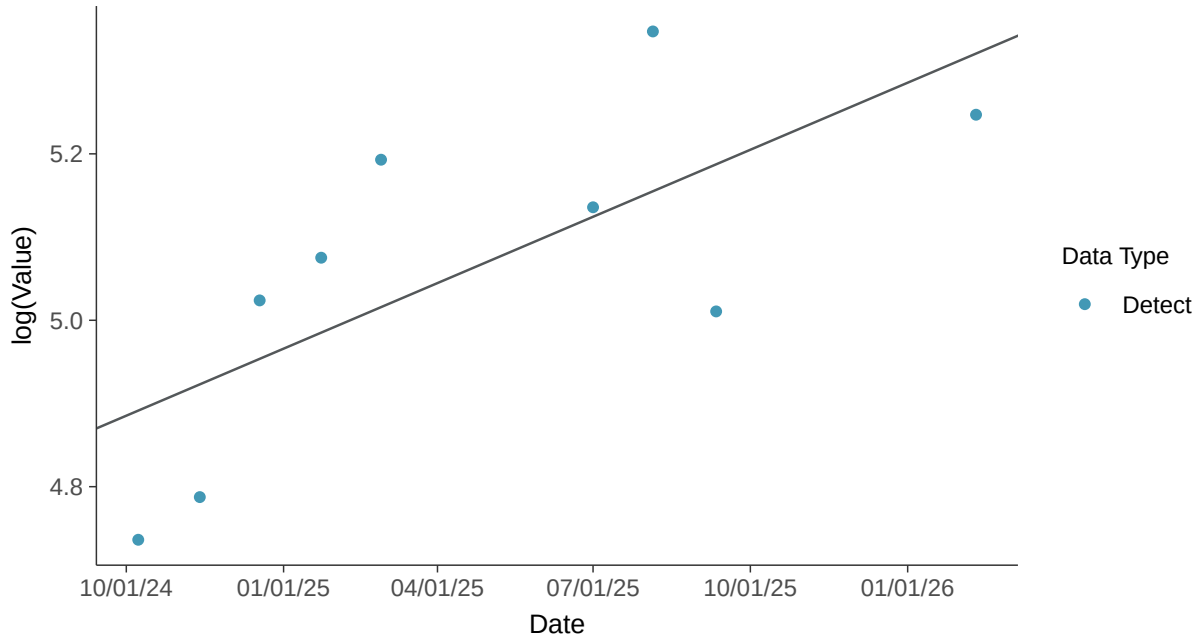
Gamma Q-Q plot

Calcium, MW-17C (mg/l)



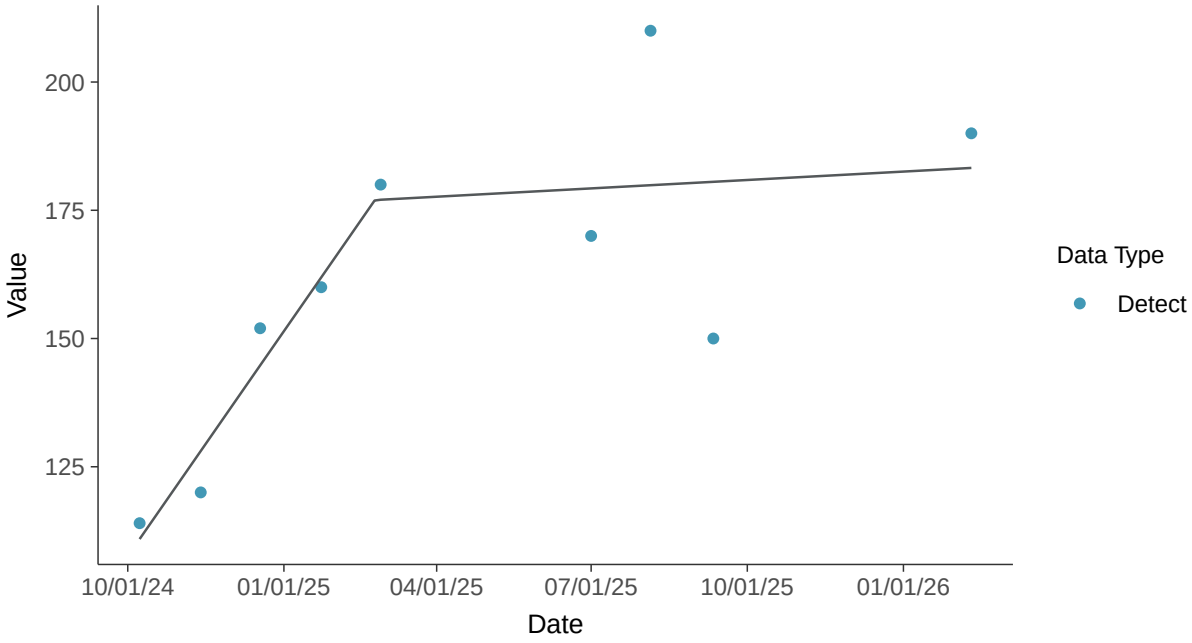
Trend Regression: Lognormal MLE

Calcium, MW-17C (mg/l)



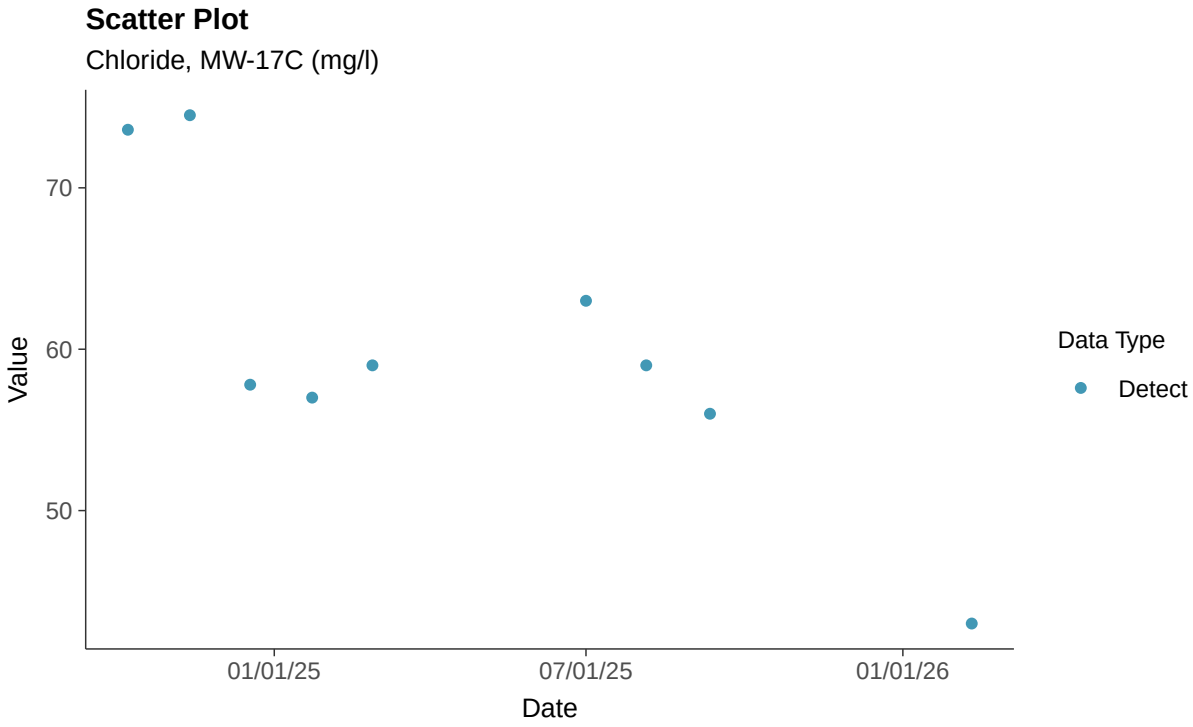
Trend Regression: Piecewise Linear-Linear

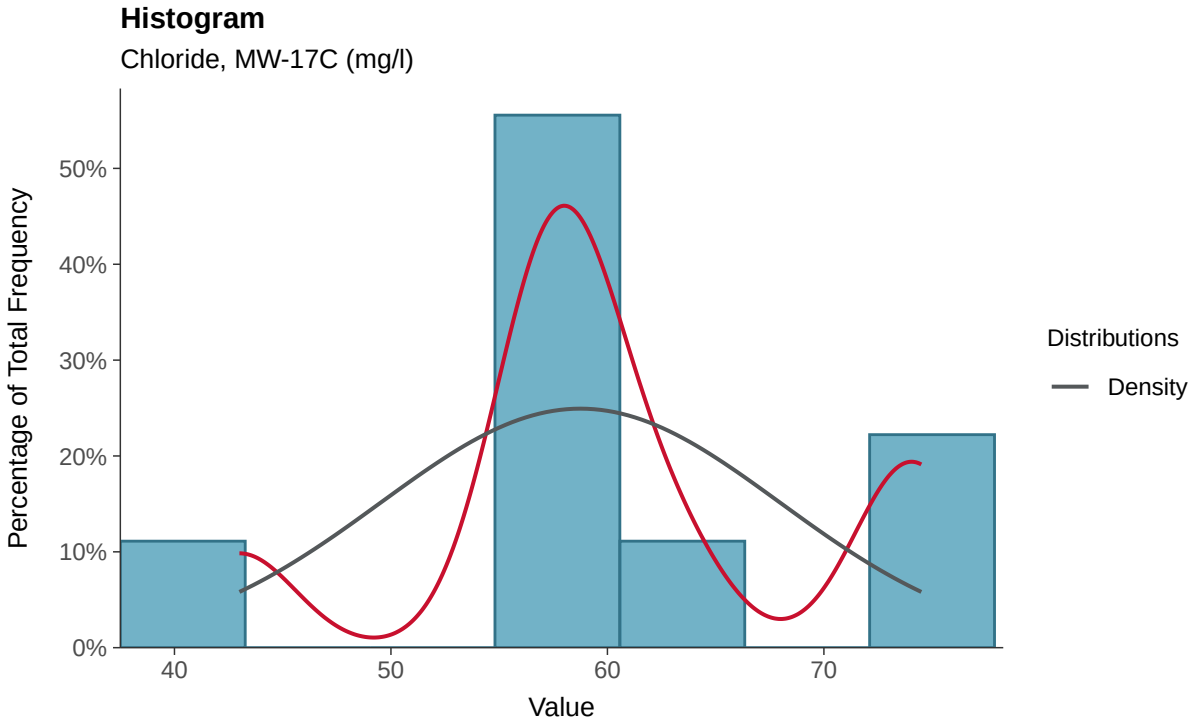
Calcium, MW-17C (mg/l)



Appendix III: Chloride, MW-17C

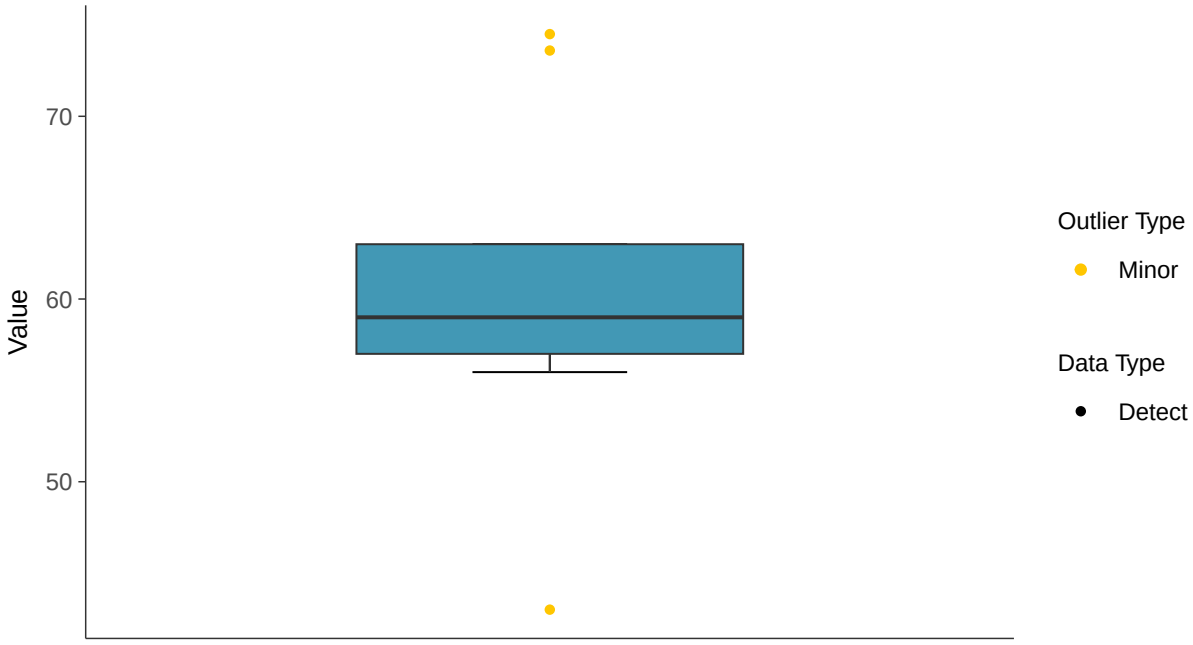
ID: 27_2_108





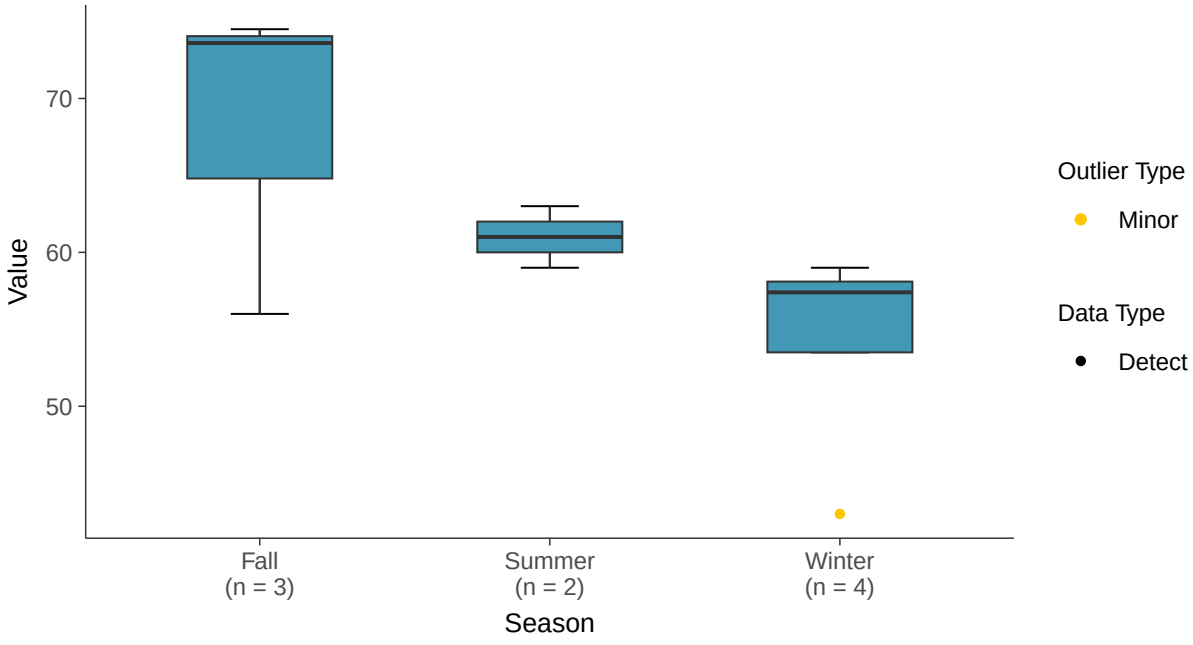
Boxplot

Chloride, MW-17C (mg/l)



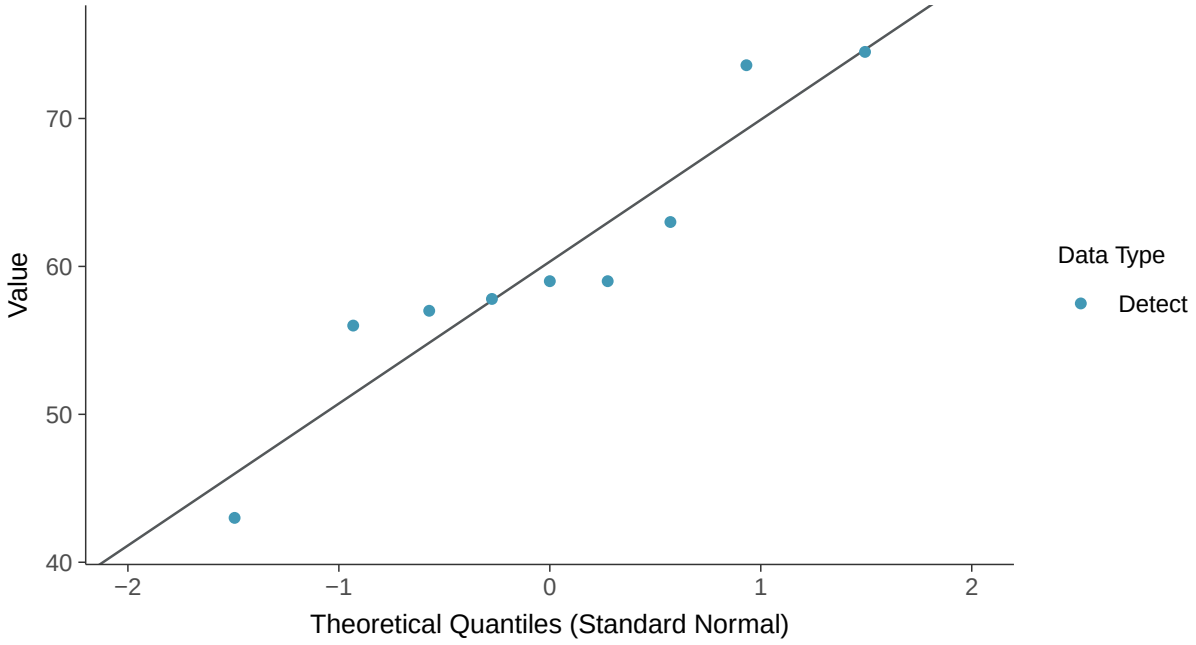
Boxplot by Season

Chloride, MW-17C (mg/l)



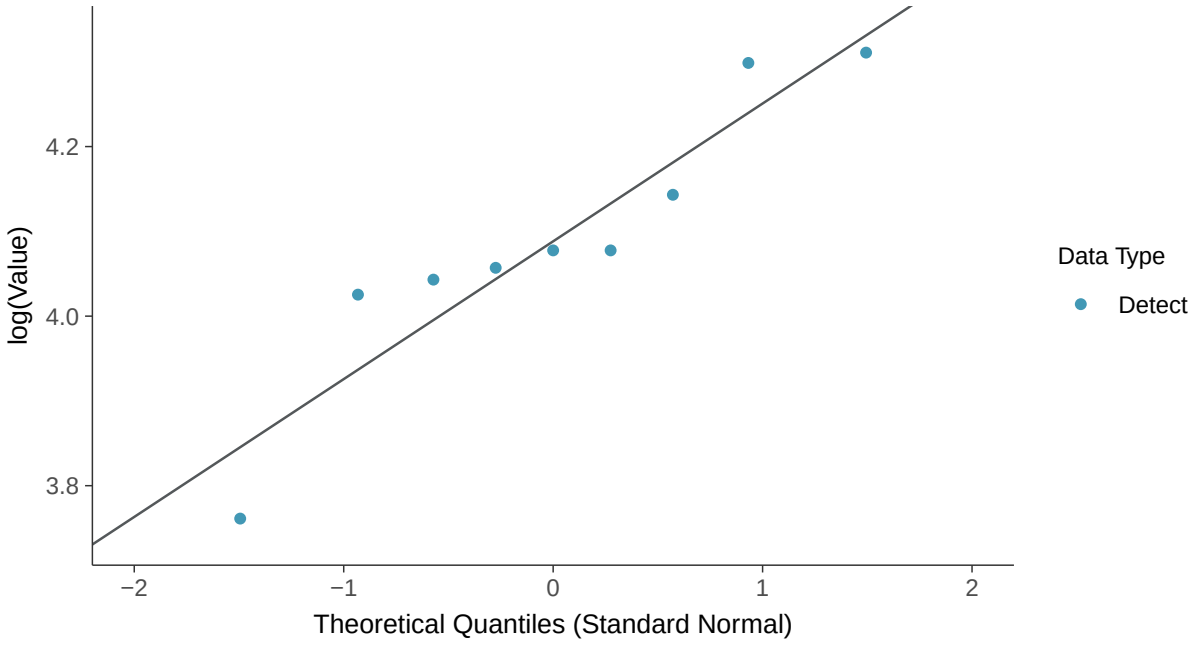
Normal Q-Q plot

Chloride, MW-17C (mg/l)



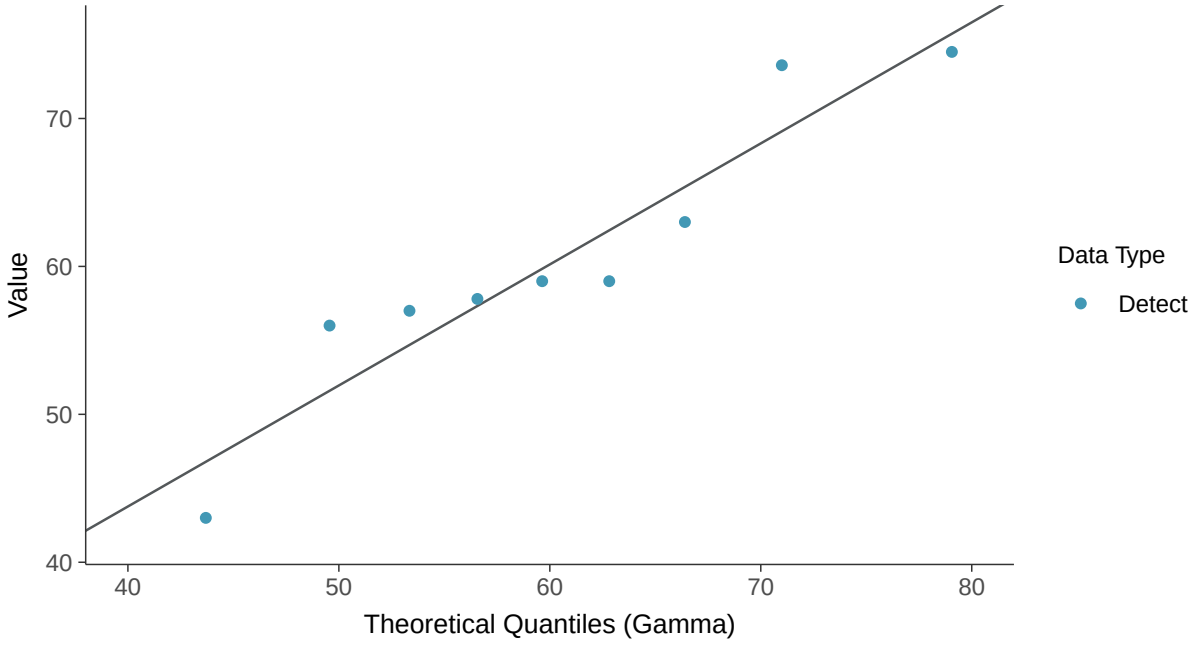
Lognormal Q-Q plot

Chloride, MW-17C (mg/l)



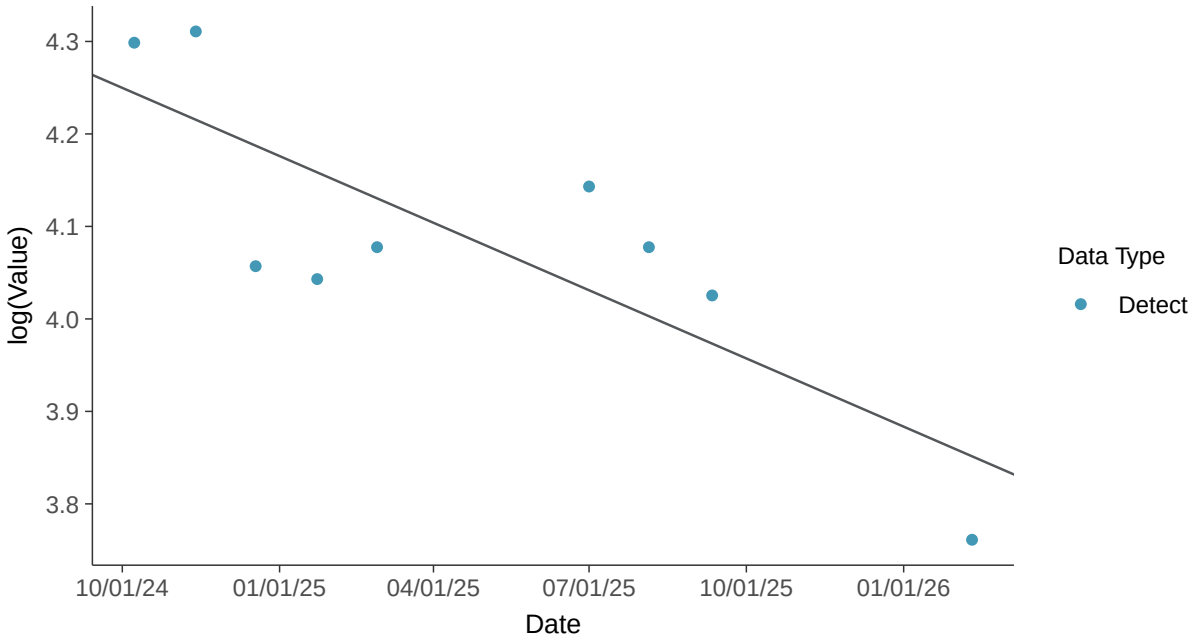
Gamma Q-Q plot

Chloride, MW-17C (mg/l)



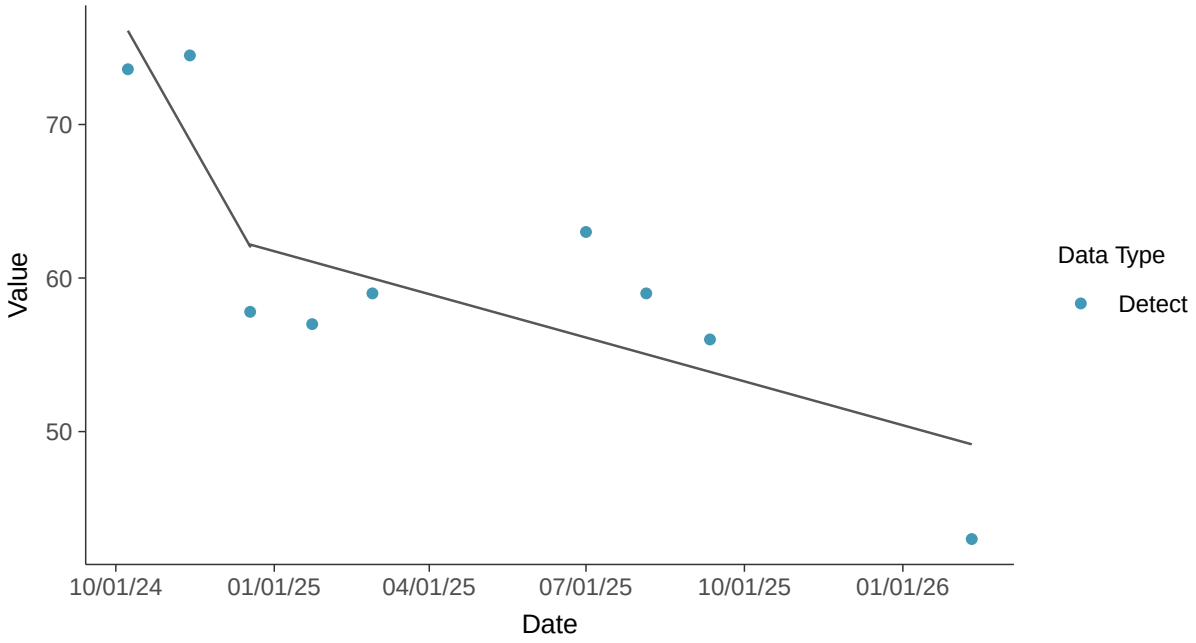
Trend Regression: Lognormal MLE

Chloride, MW-17C (mg/l)



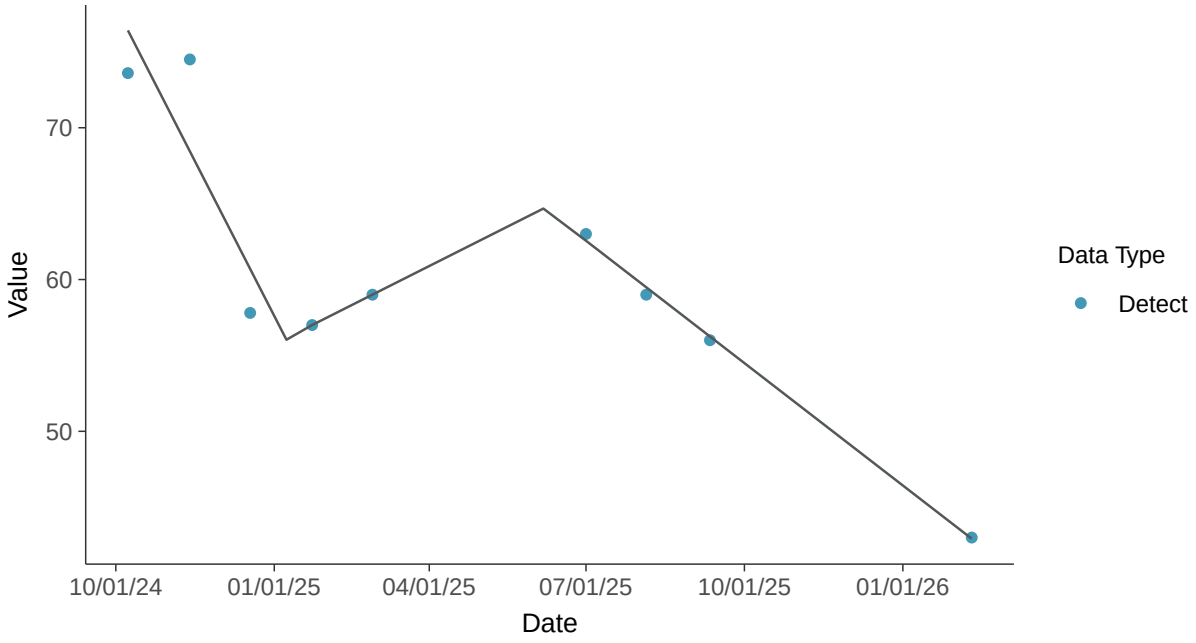
Trend Regression: Piecewise Linear-Linear

Chloride, MW-17C (mg/l)



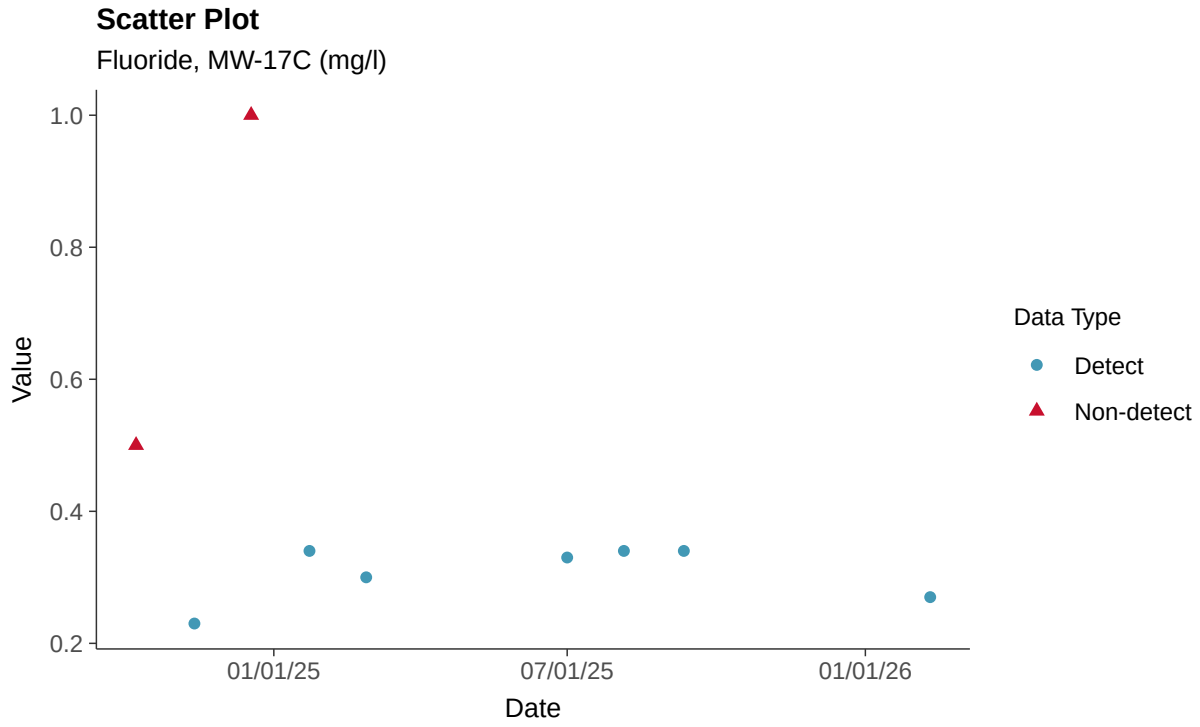
Trend Regression: Piecewise Linear-Linear-Linear

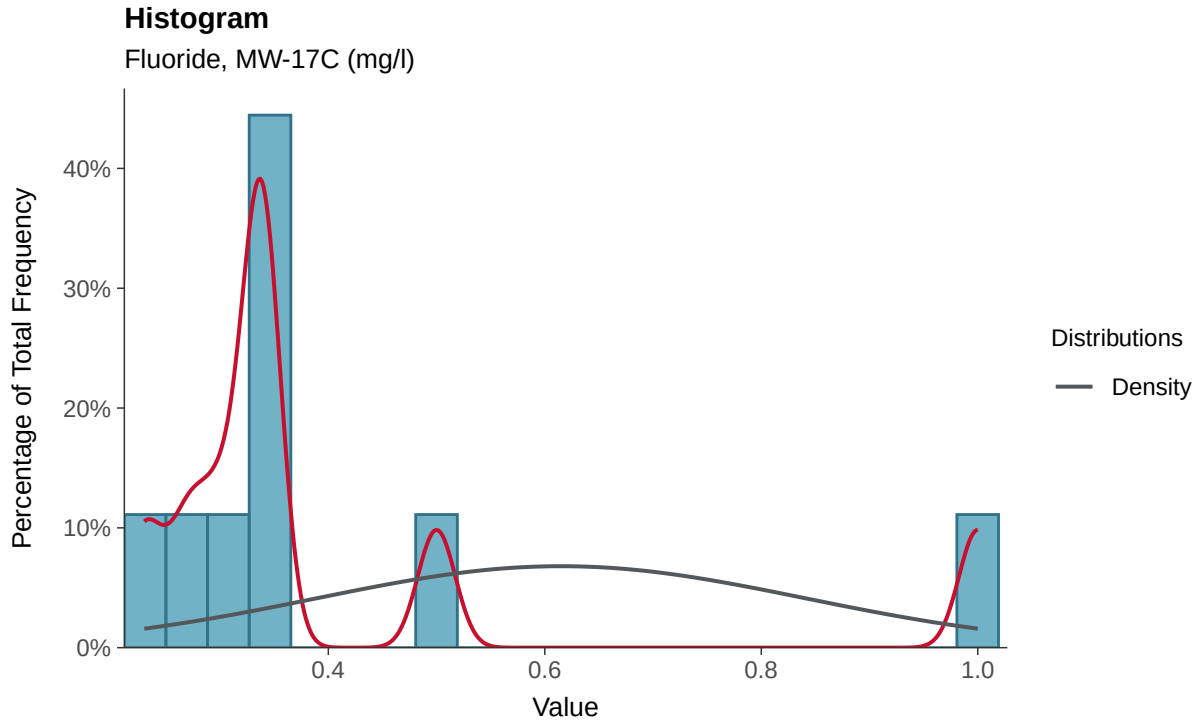
Chloride, MW-17C (mg/l)



Appendix III: Fluoride, MW-17C

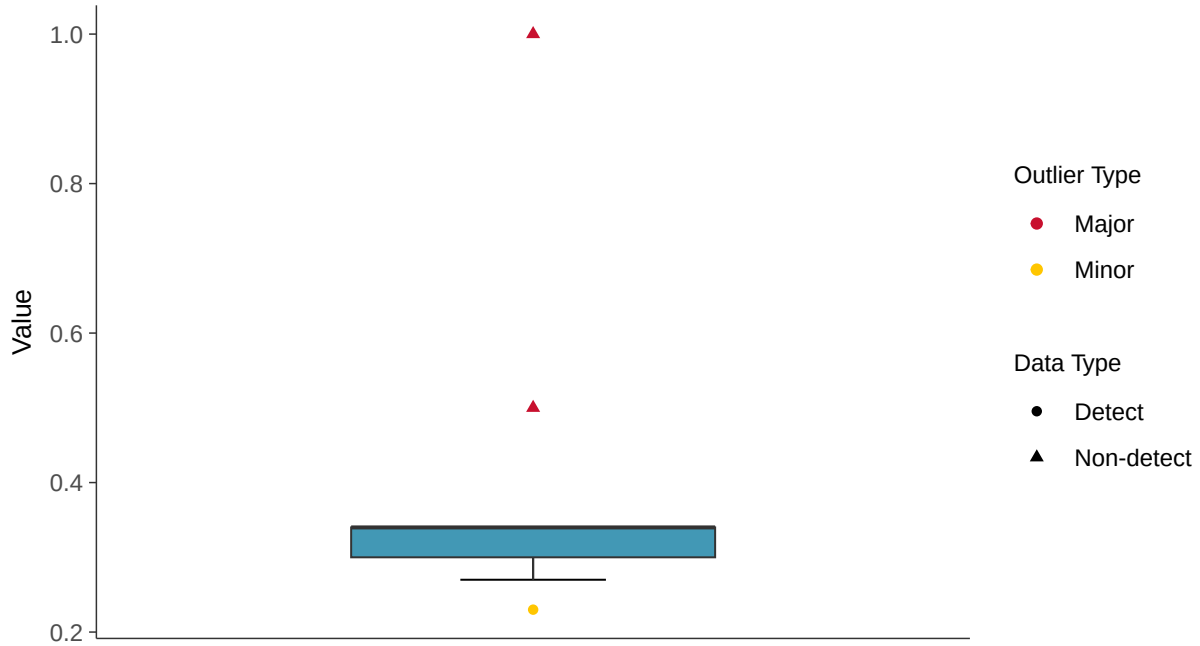
ID: 27_2_112





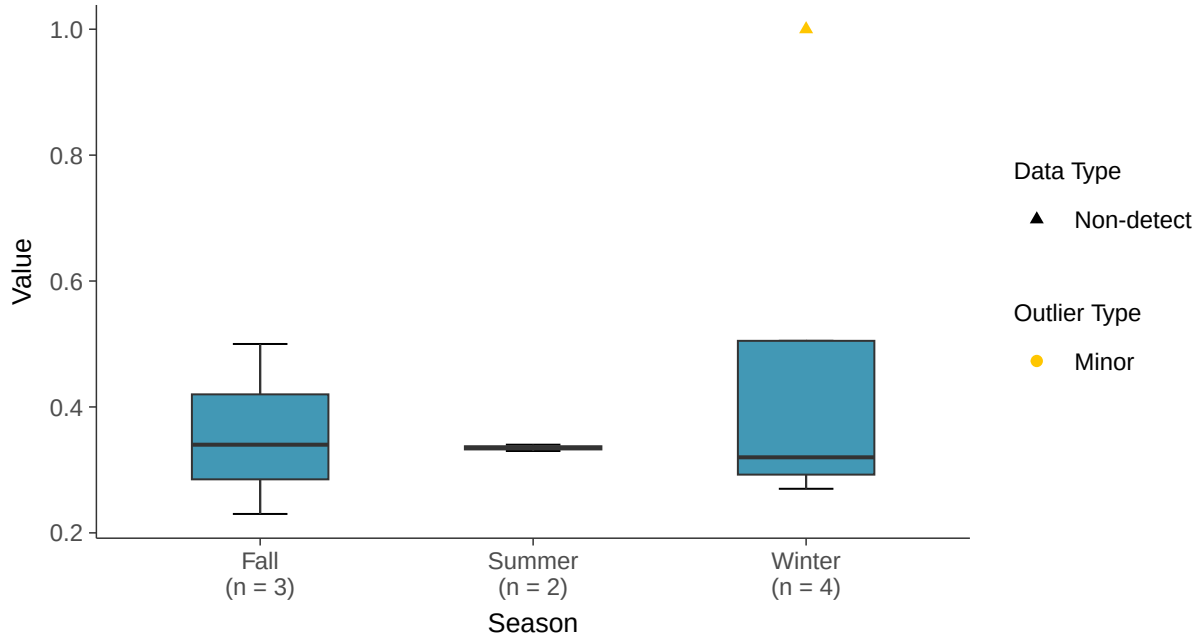
Boxplot

Fluoride, MW-17C (mg/l)



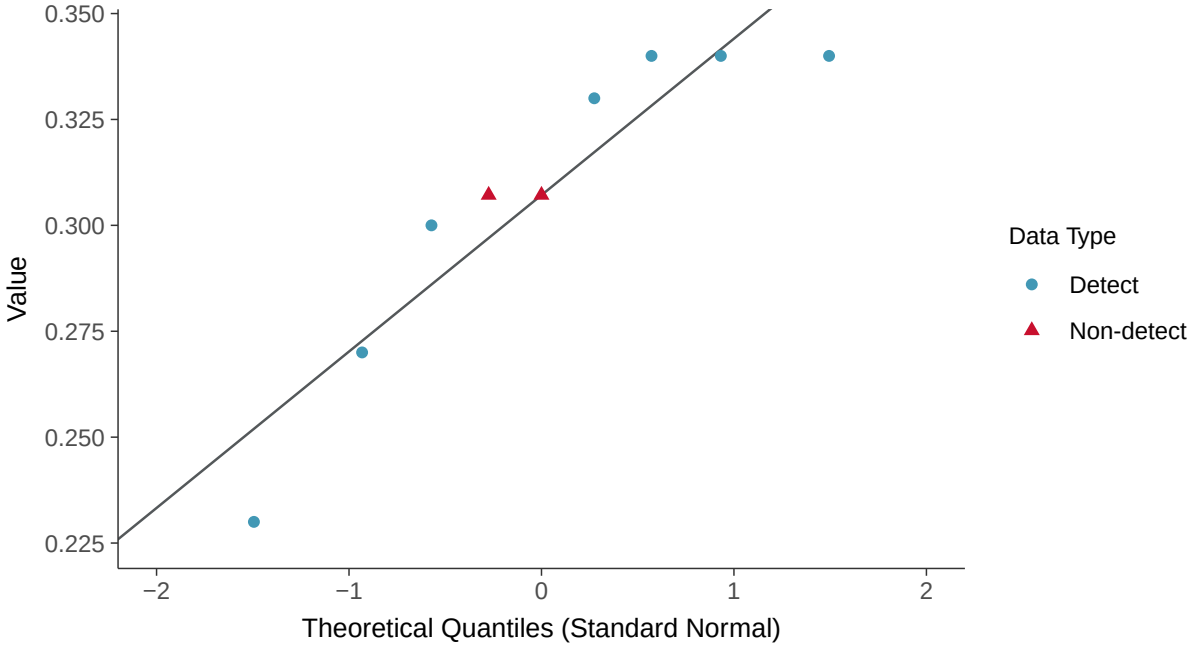
Boxplot by Season

Fluoride, MW-17C (mg/l)



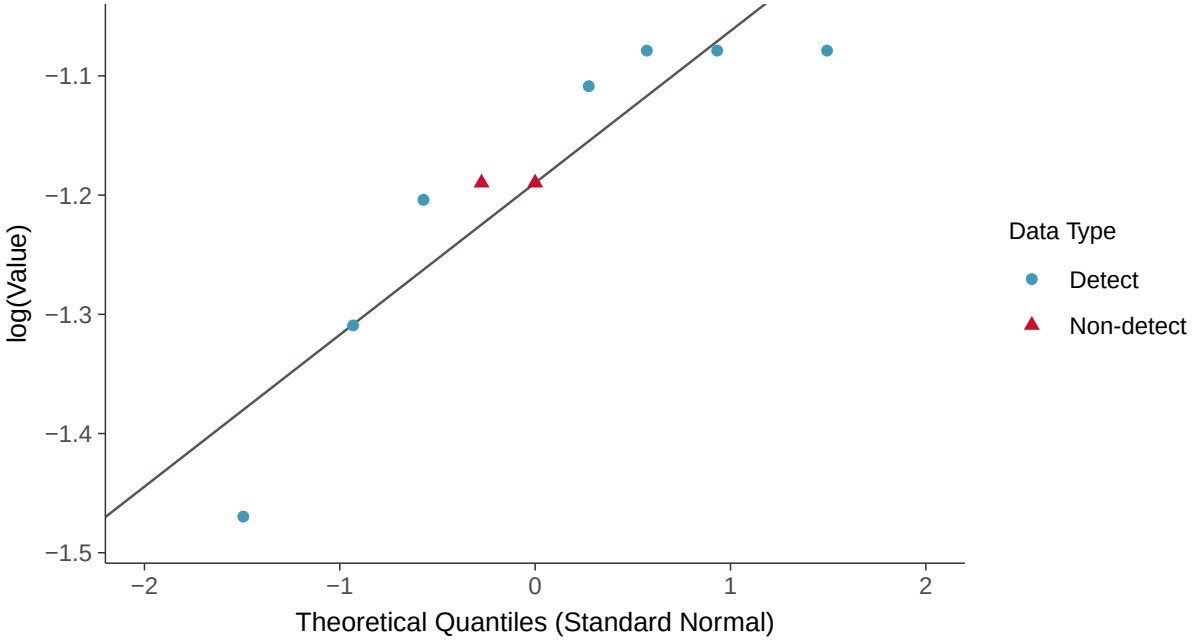
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-17C (mg/l)



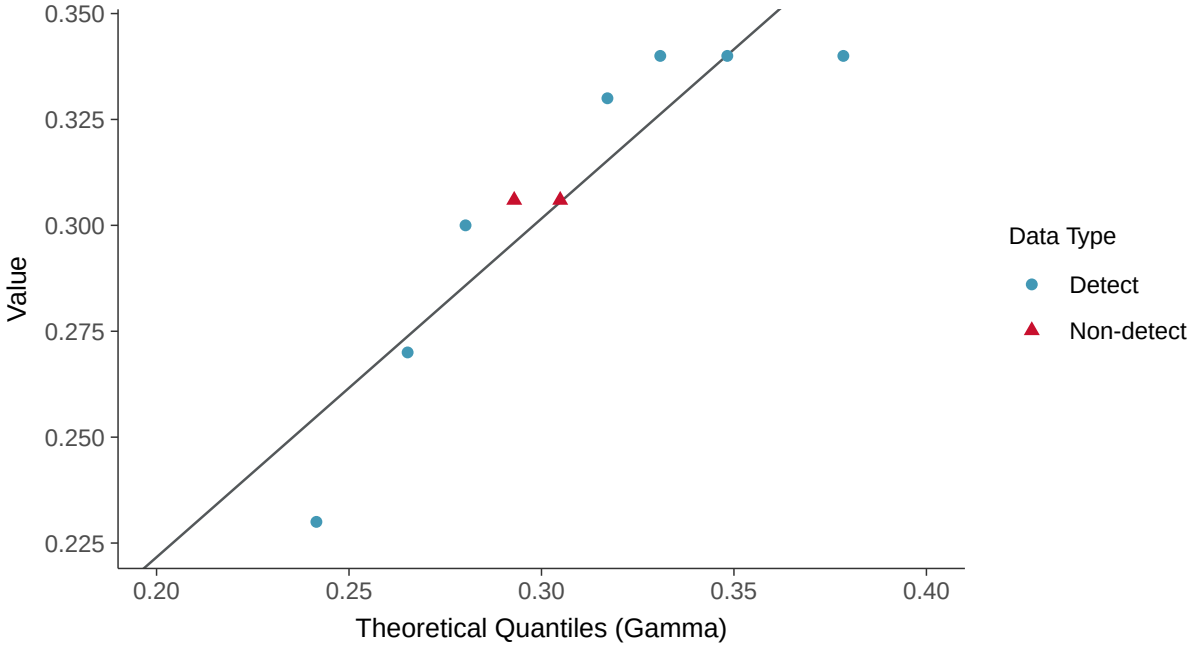
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-17C (mg/l)



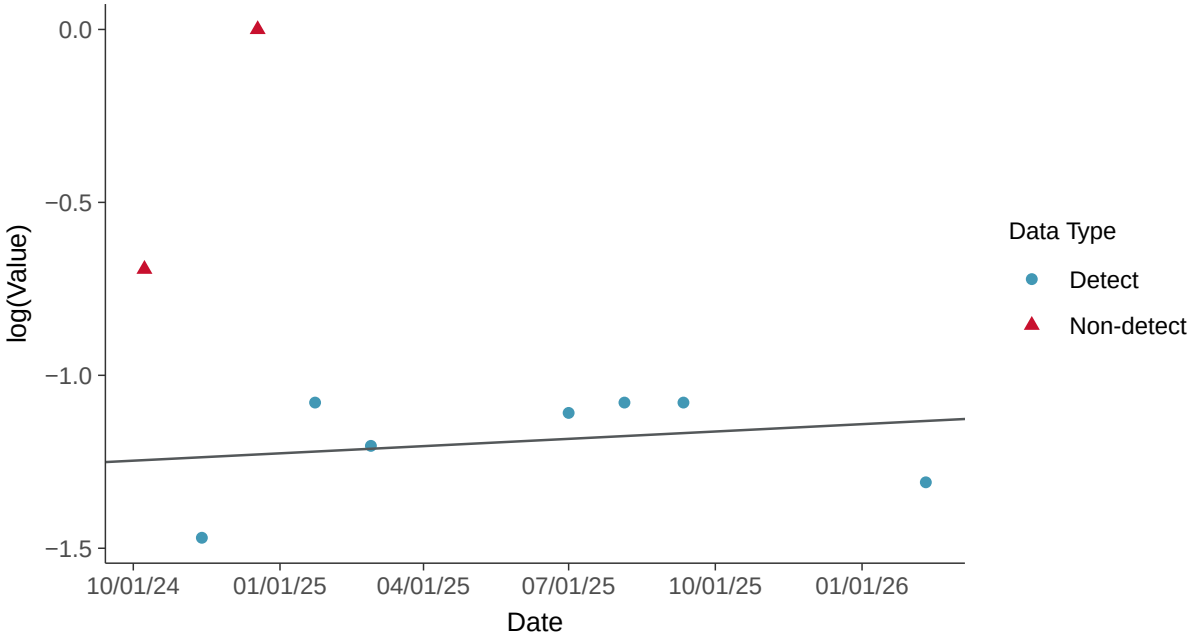
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride, MW-17C (mg/l)



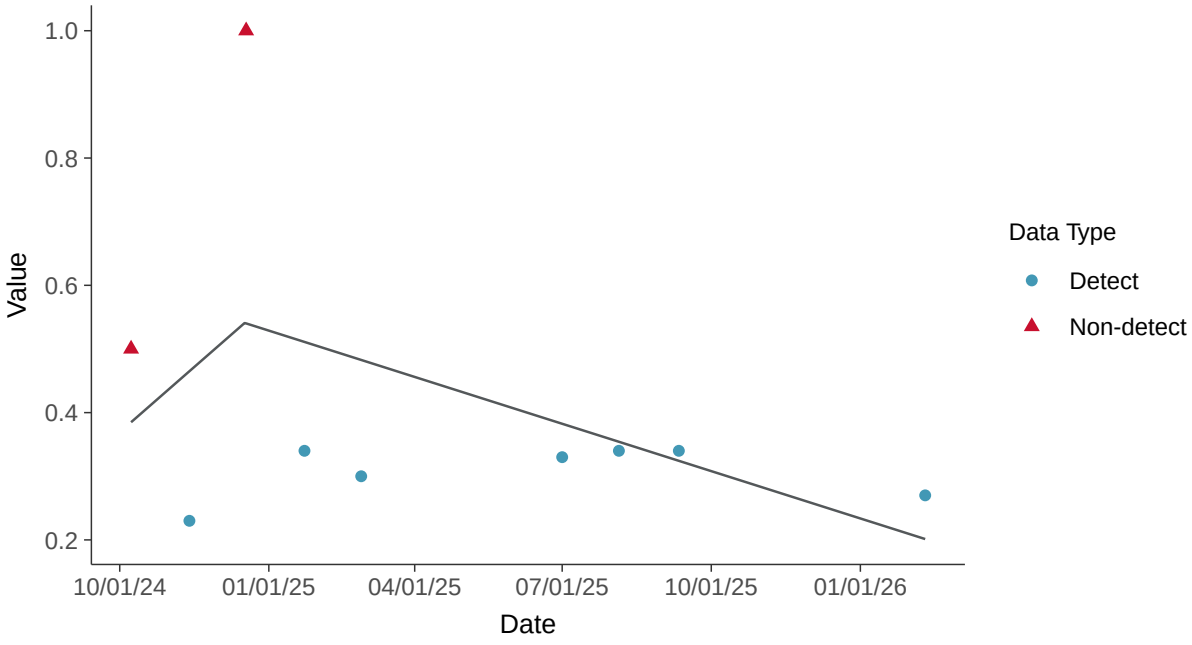
Trend Regression: Lognormal MLE

Fluoride, MW-17C (mg/l)



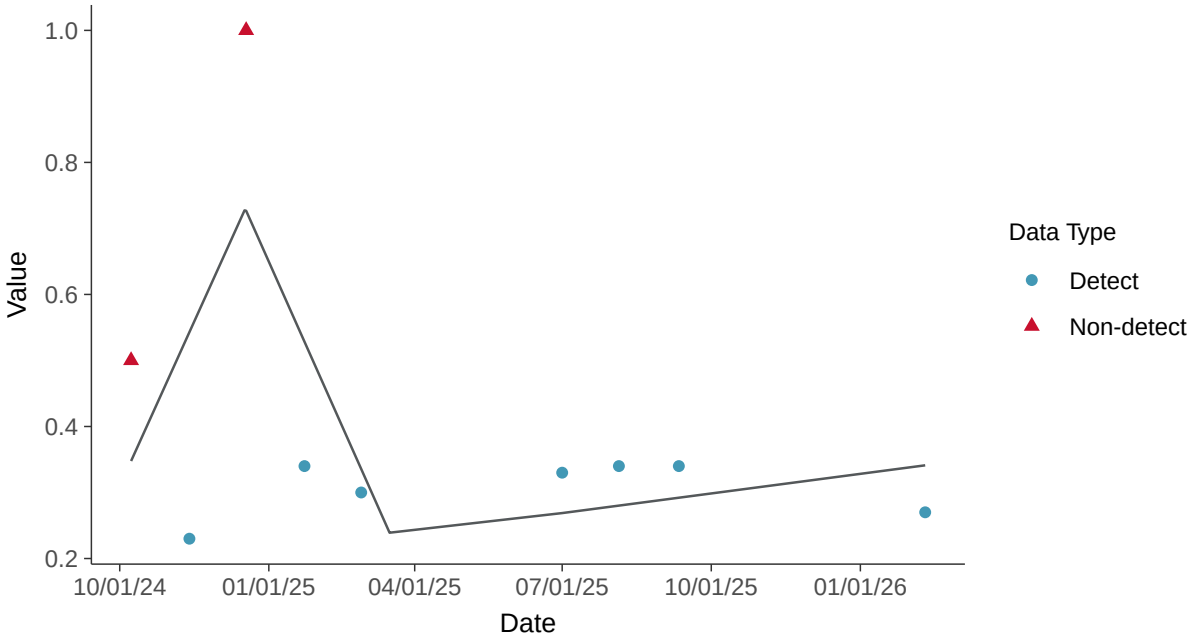
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-17C (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Fluoride, MW-17C (mg/l)

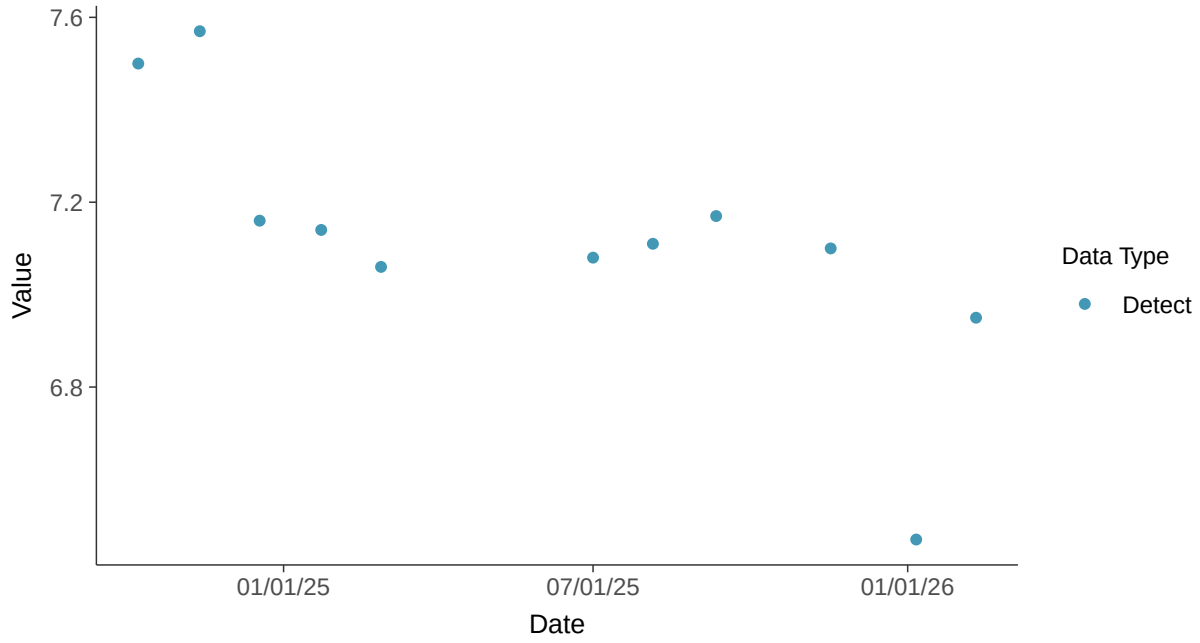


Appendix III: pH, Field, MW-17C

ID: 27_2_120

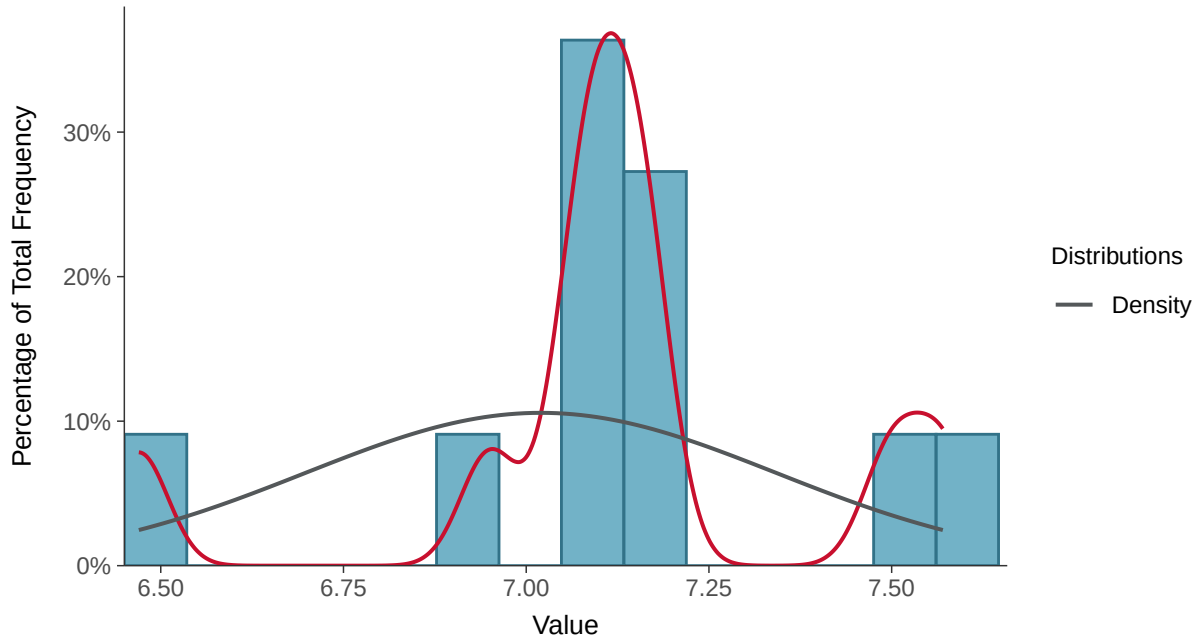
Scatter Plot

pH, Field, MW-17C (su)



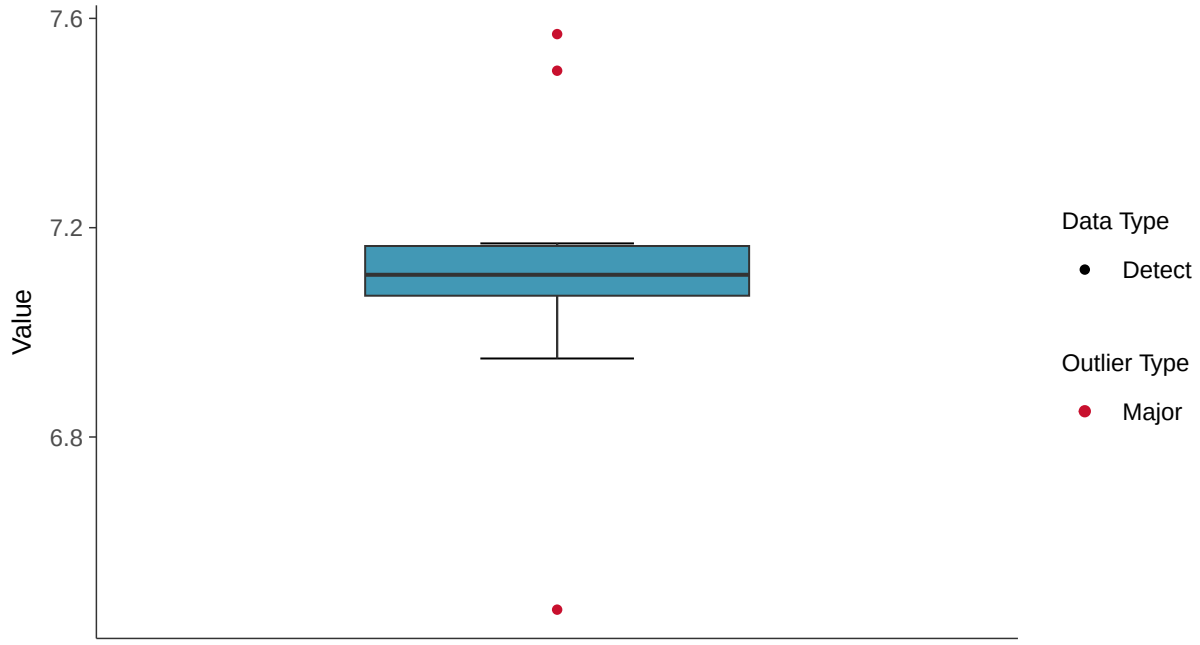
Histogram

pH, Field, MW-17C (su)



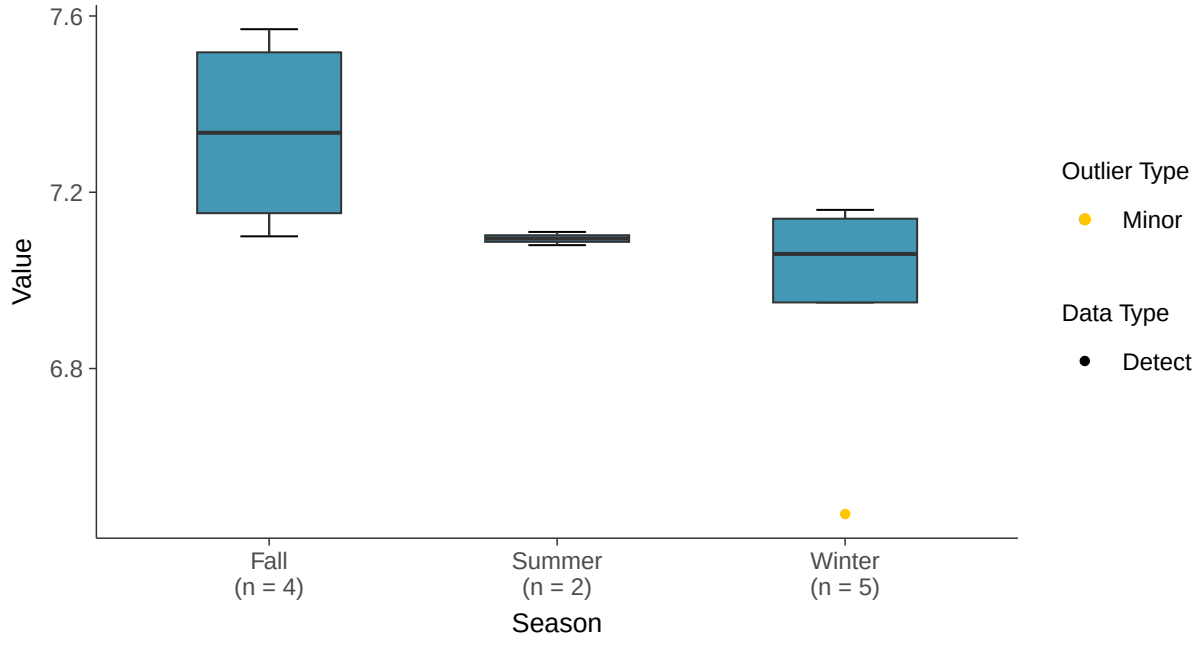
Boxplot

pH, Field, MW-17C (su)



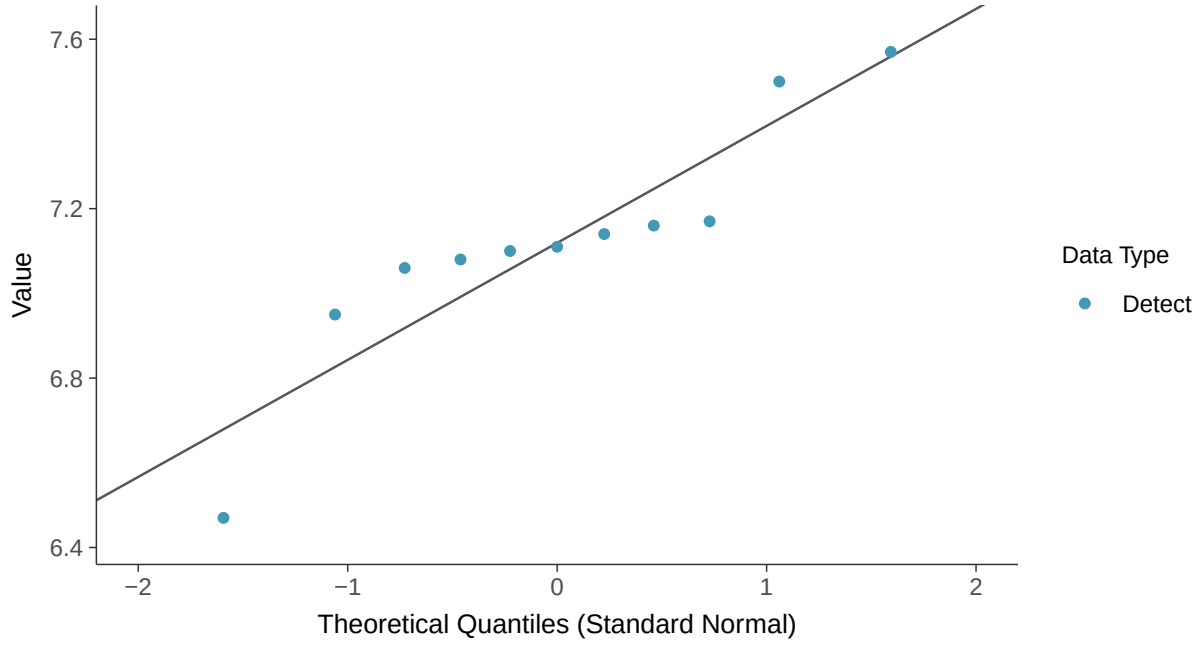
Boxplot by Season

pH, Field, MW-17C (su)



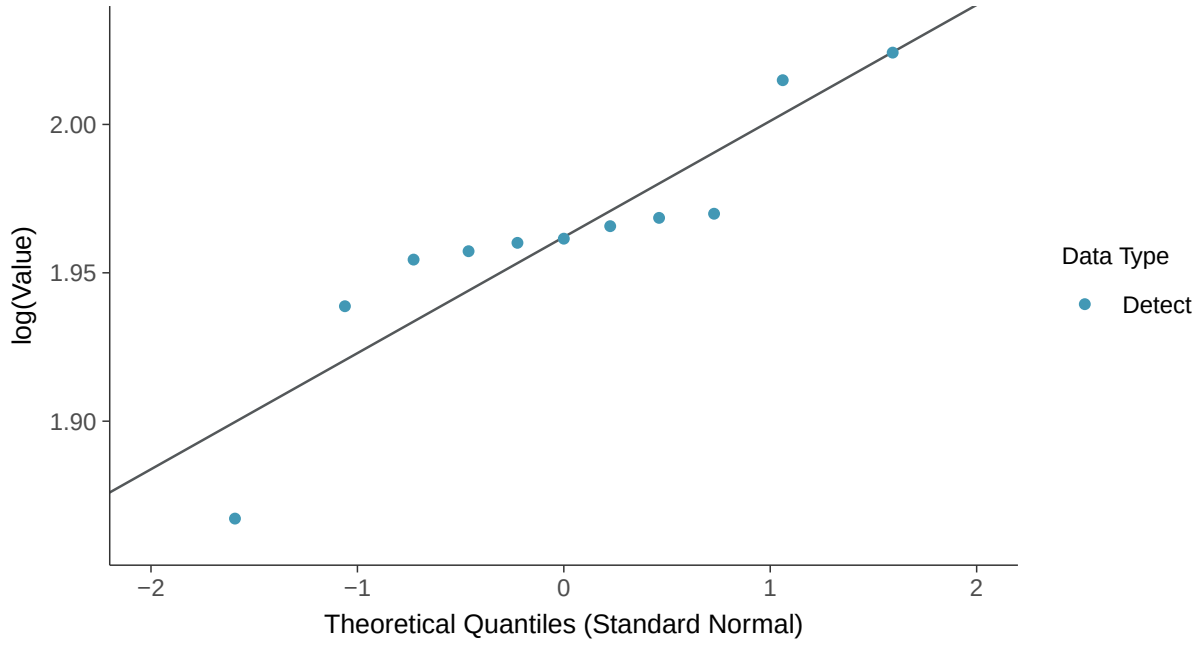
Normal Q-Q plot

pH, Field, MW-17C (su)



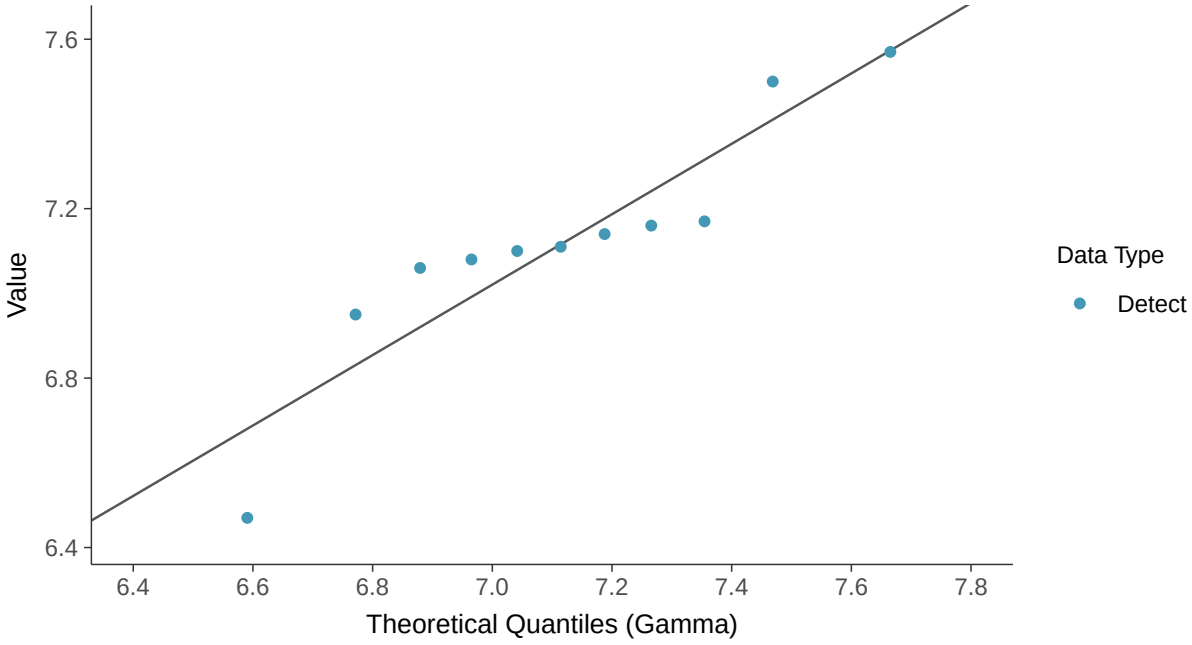
Lognormal Q-Q plot

pH, Field, MW-17C (su)



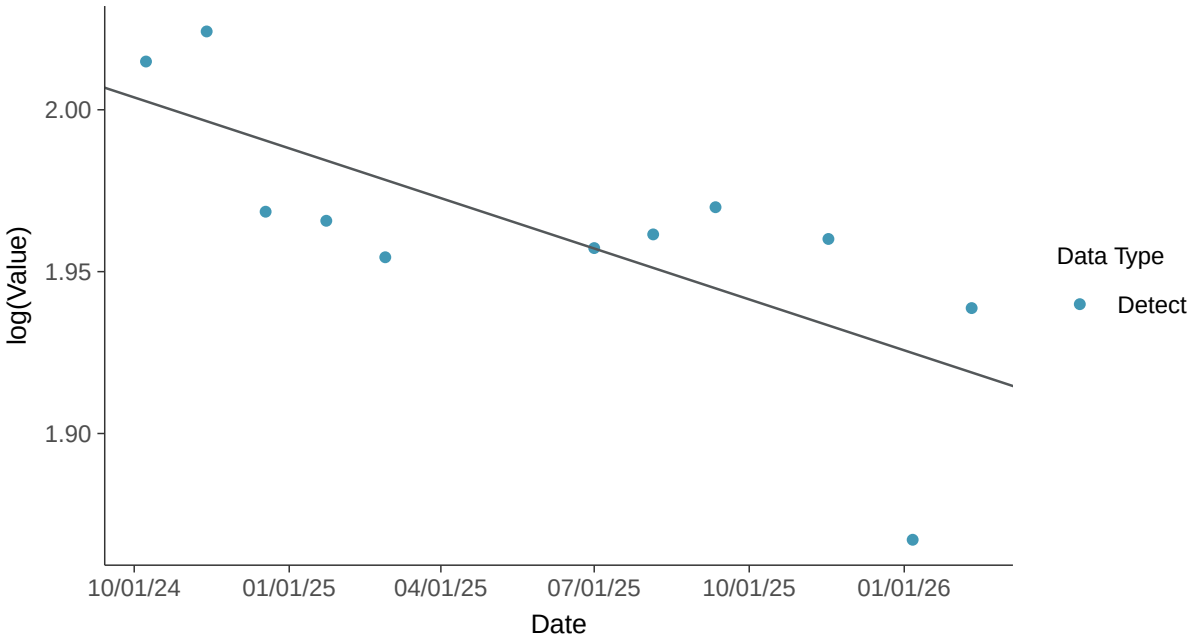
Gamma Q-Q plot

pH, Field, MW-17C (su)



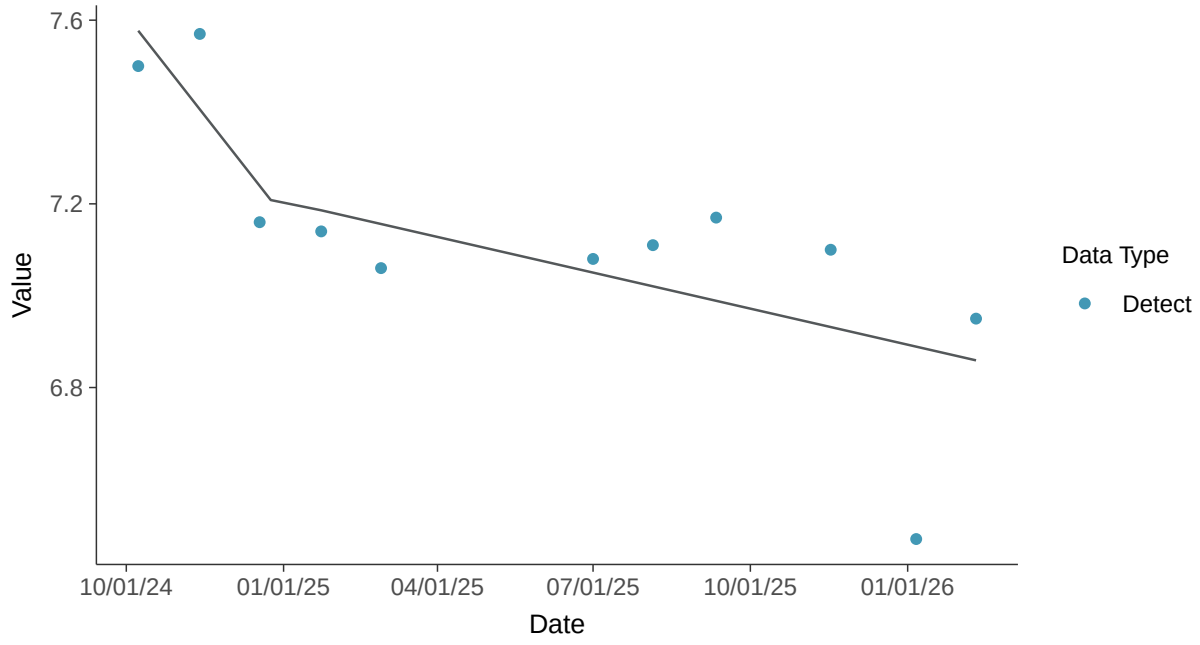
Trend Regression: Lognormal MLE

pH, Field, MW-17C (su)



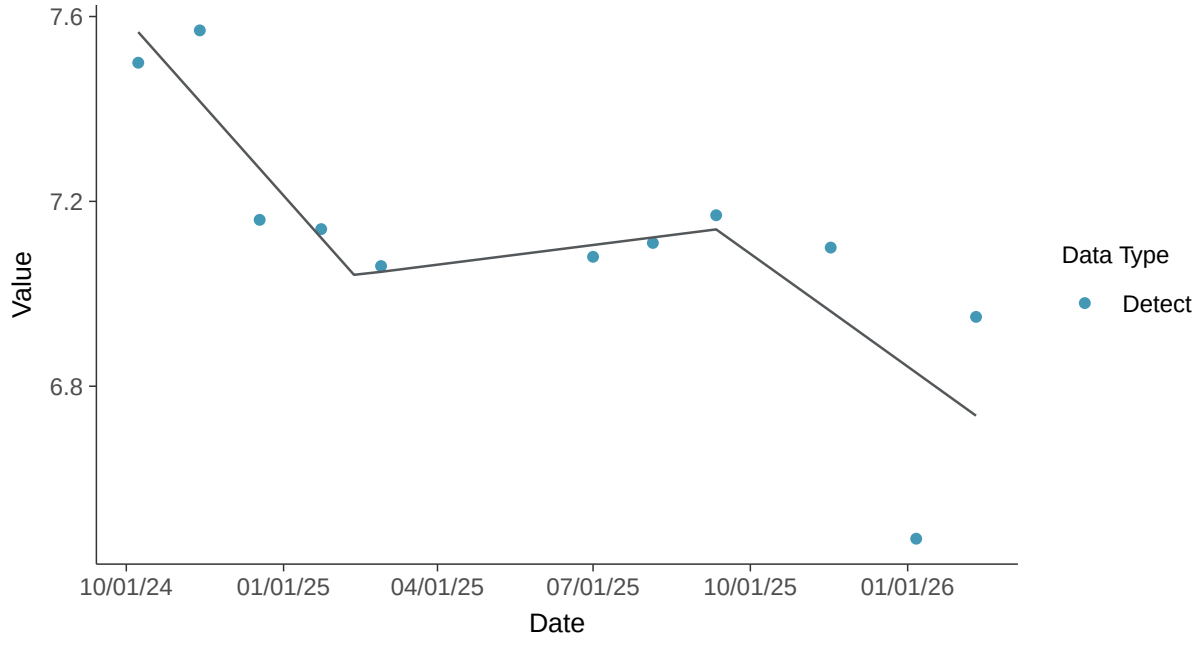
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-17C (su)



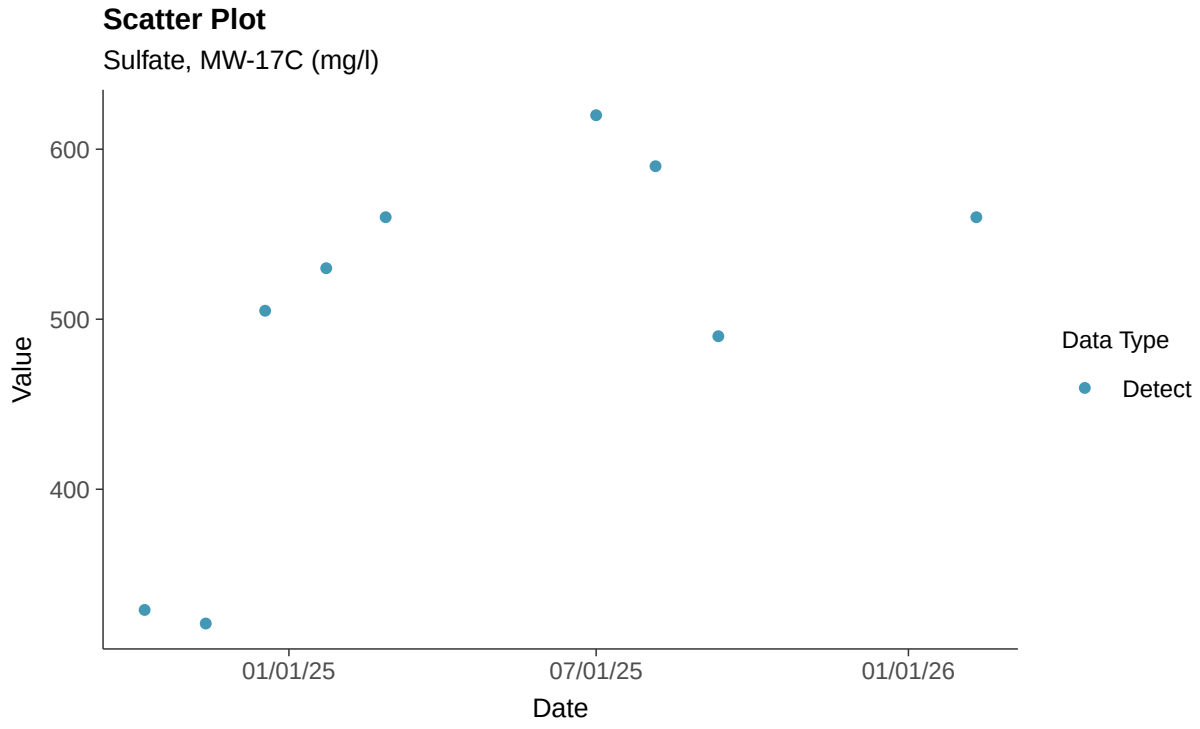
Trend Regression: Piecewise Linear-Linear-Linear

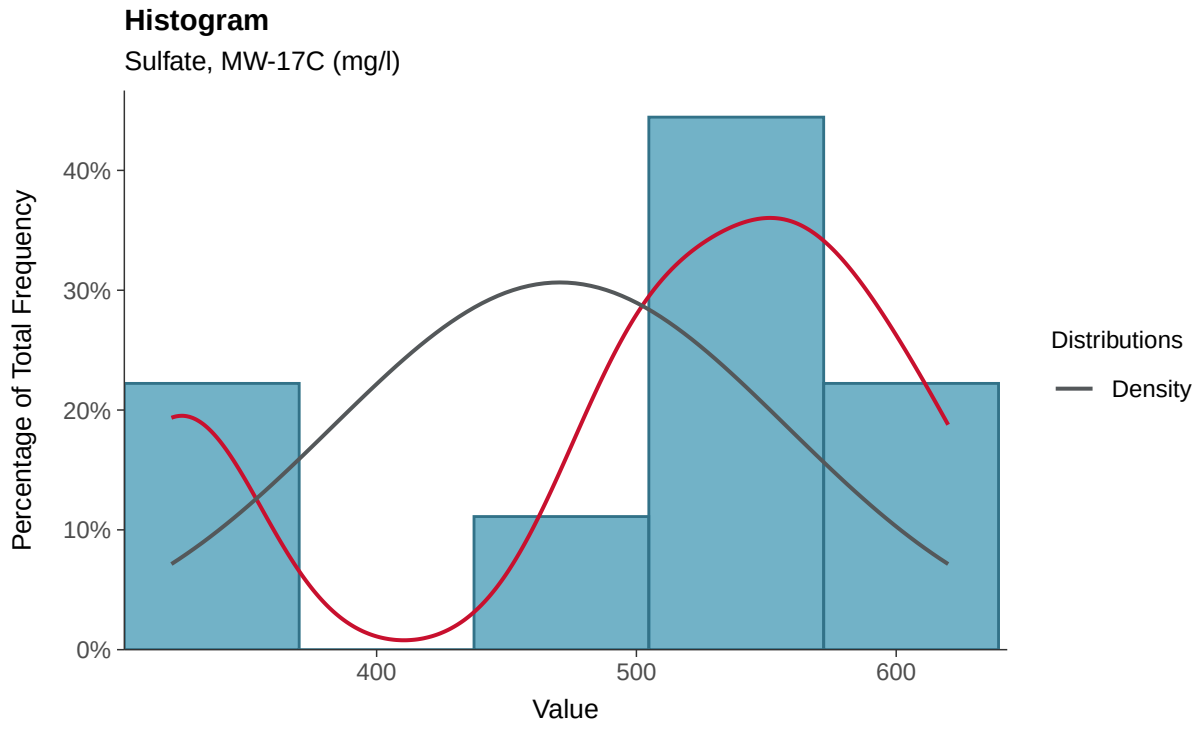
pH, Field, MW-17C (su)



Appendix III: Sulfate, MW-17C

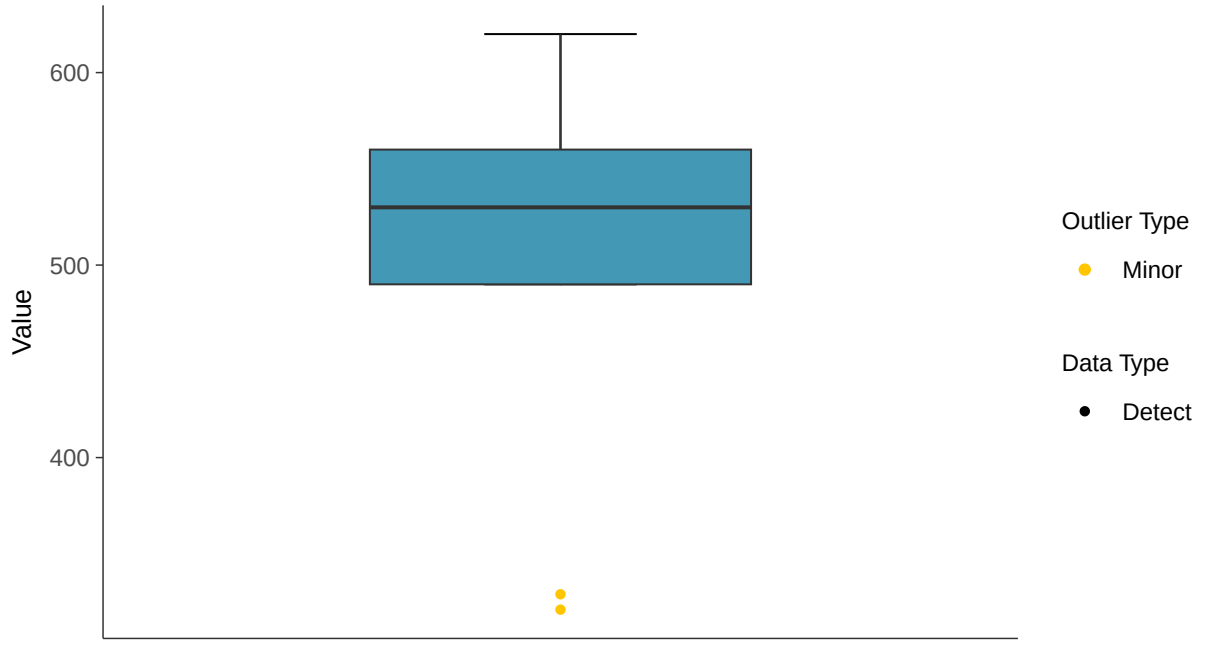
ID: 27_2_124





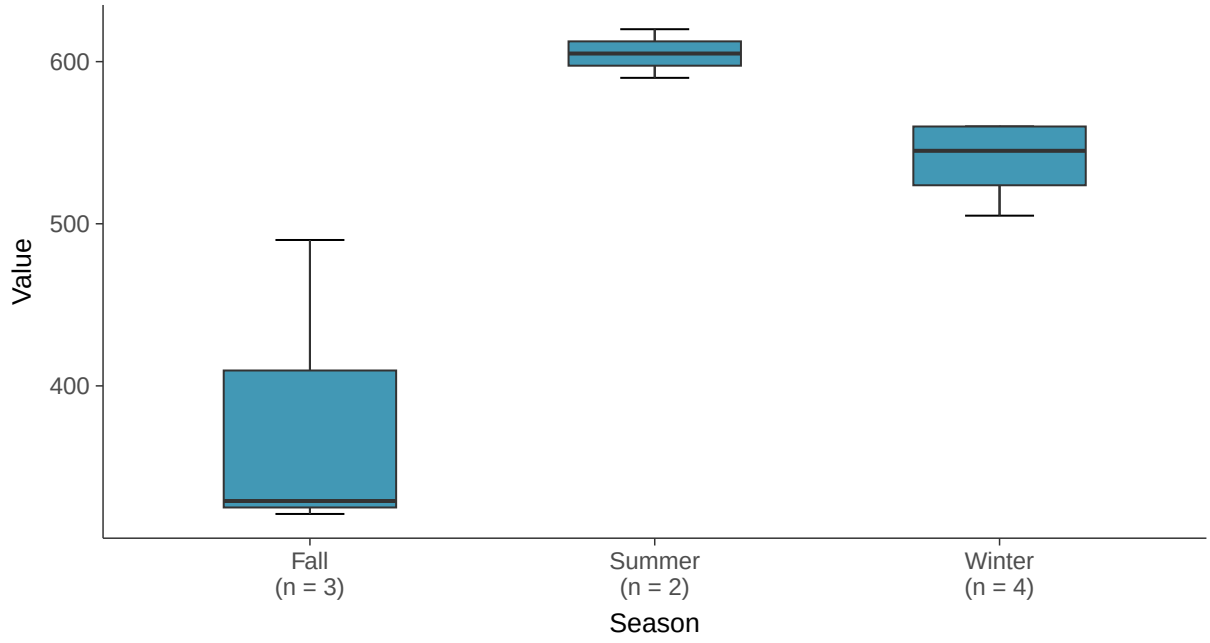
Boxplot

Sulfate, MW-17C (mg/l)



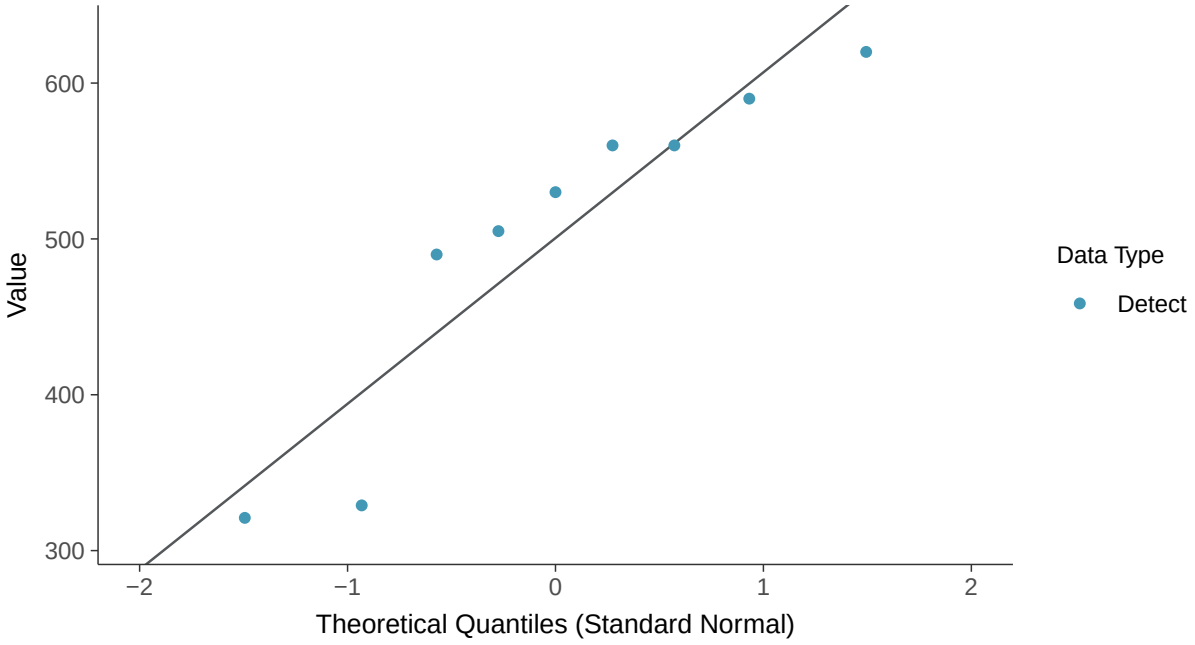
Boxplot by Season

Sulfate, MW-17C (mg/l)



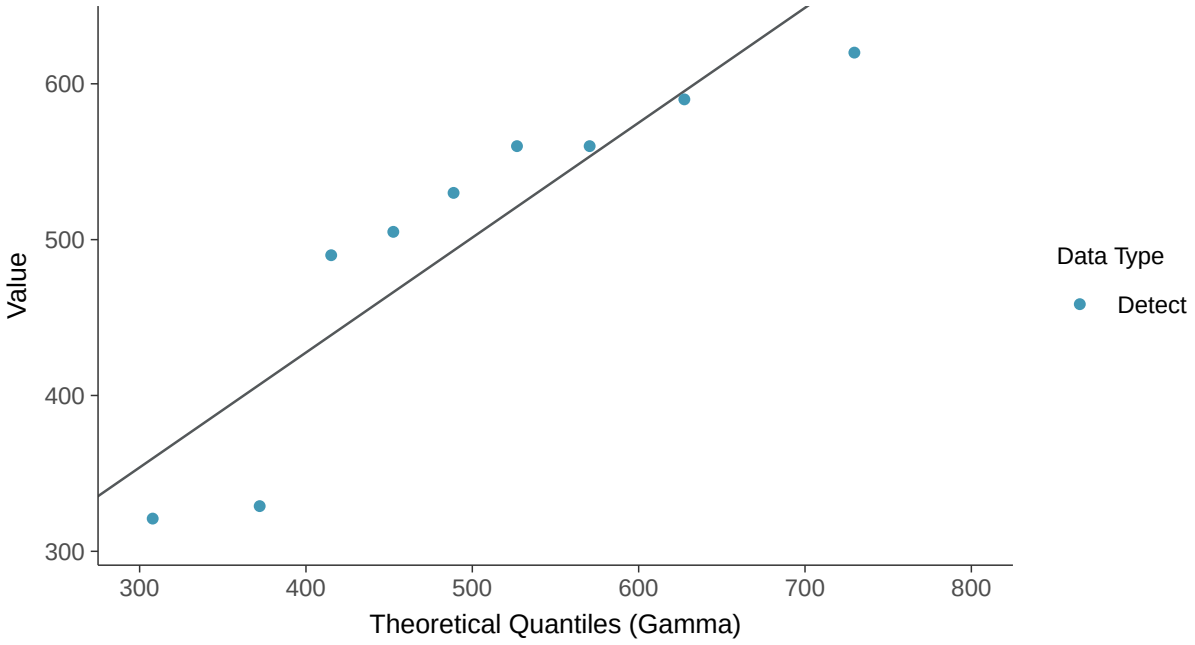
Normal Q-Q plot

Sulfate, MW-17C (mg/l)



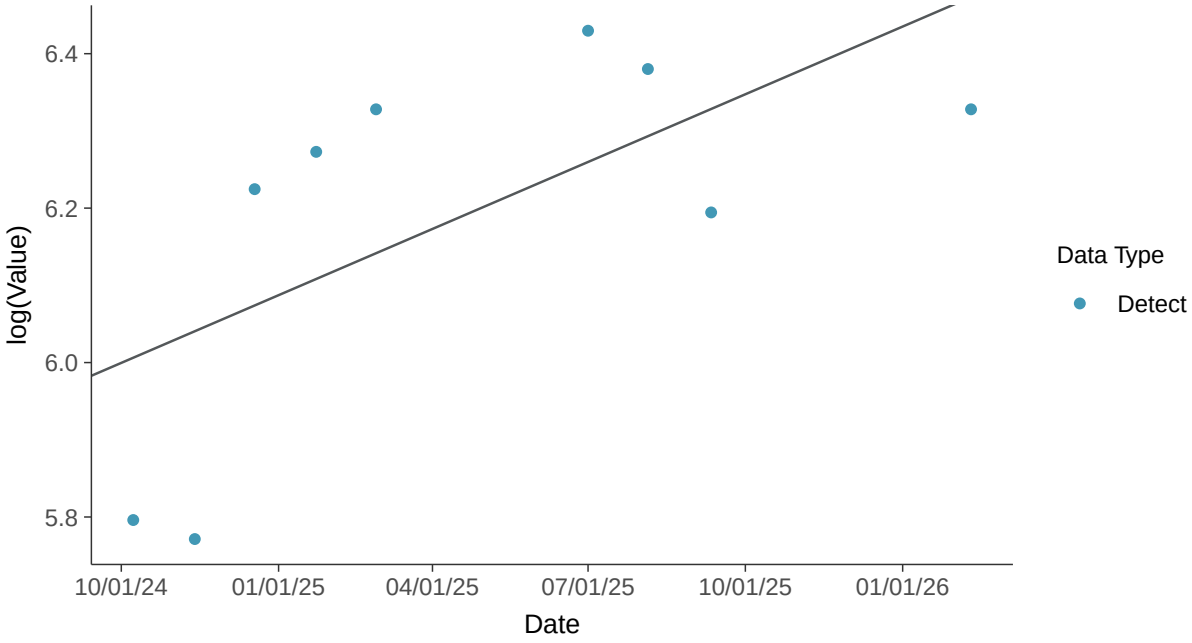
Gamma Q-Q plot

Sulfate, MW-17C (mg/l)



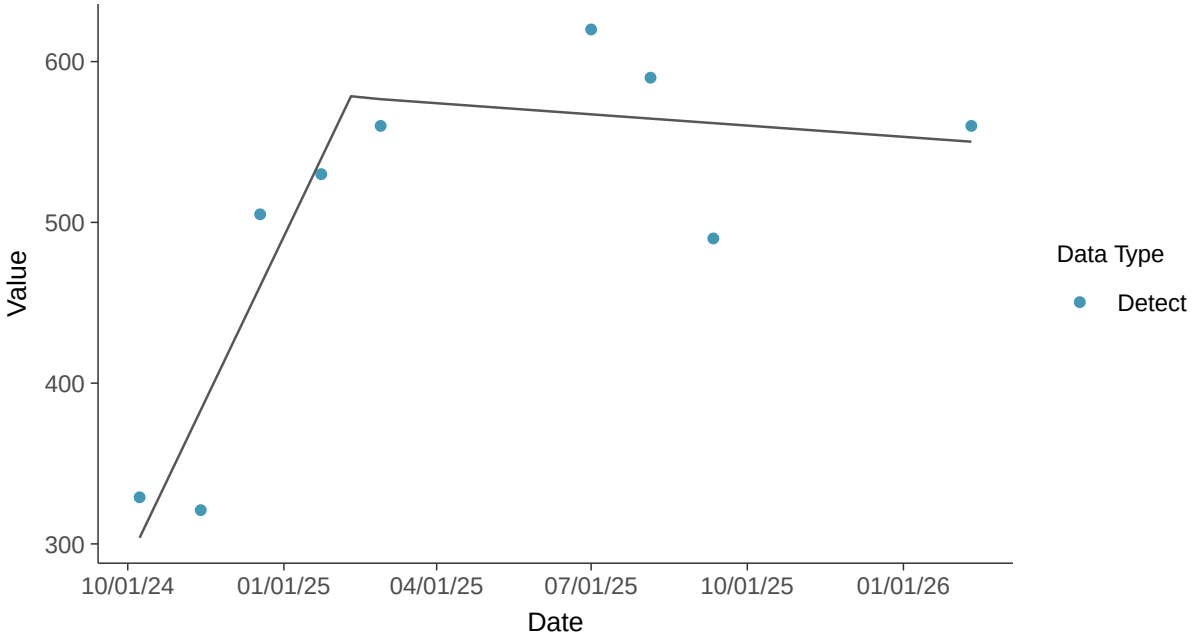
Trend Regression: Lognormal MLE

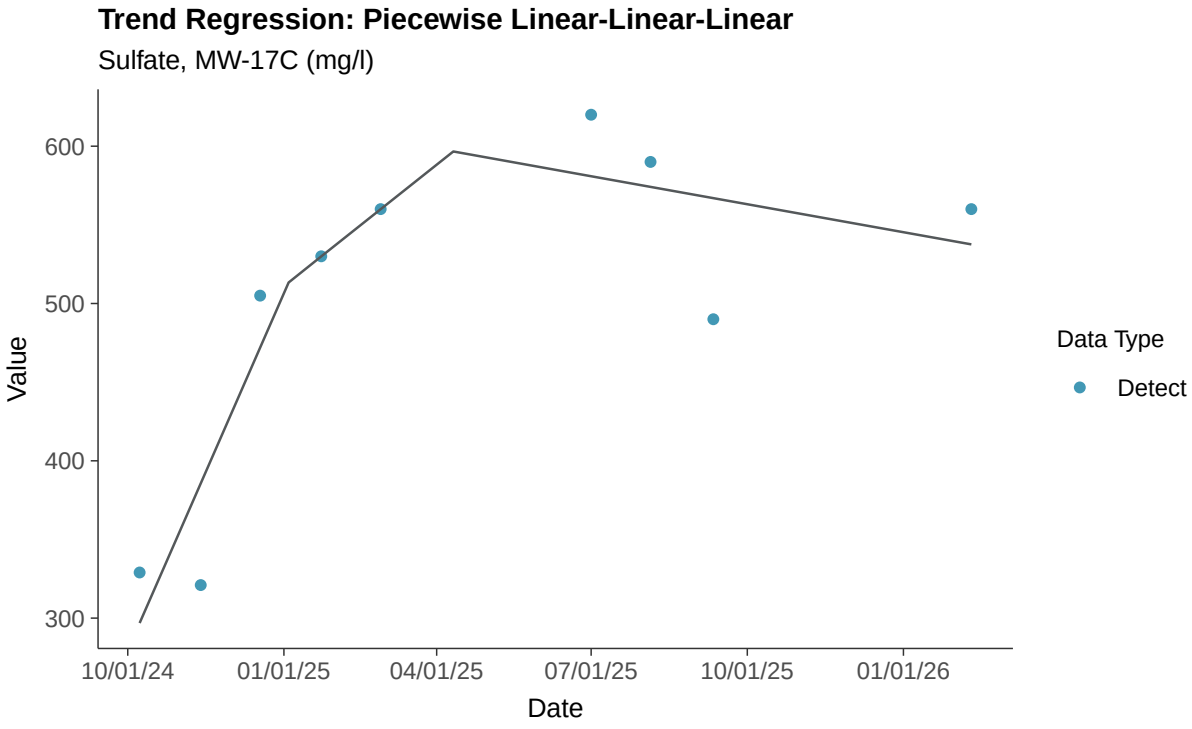
Sulfate, MW-17C (mg/l)



Trend Regression: Piecewise Linear-Linear

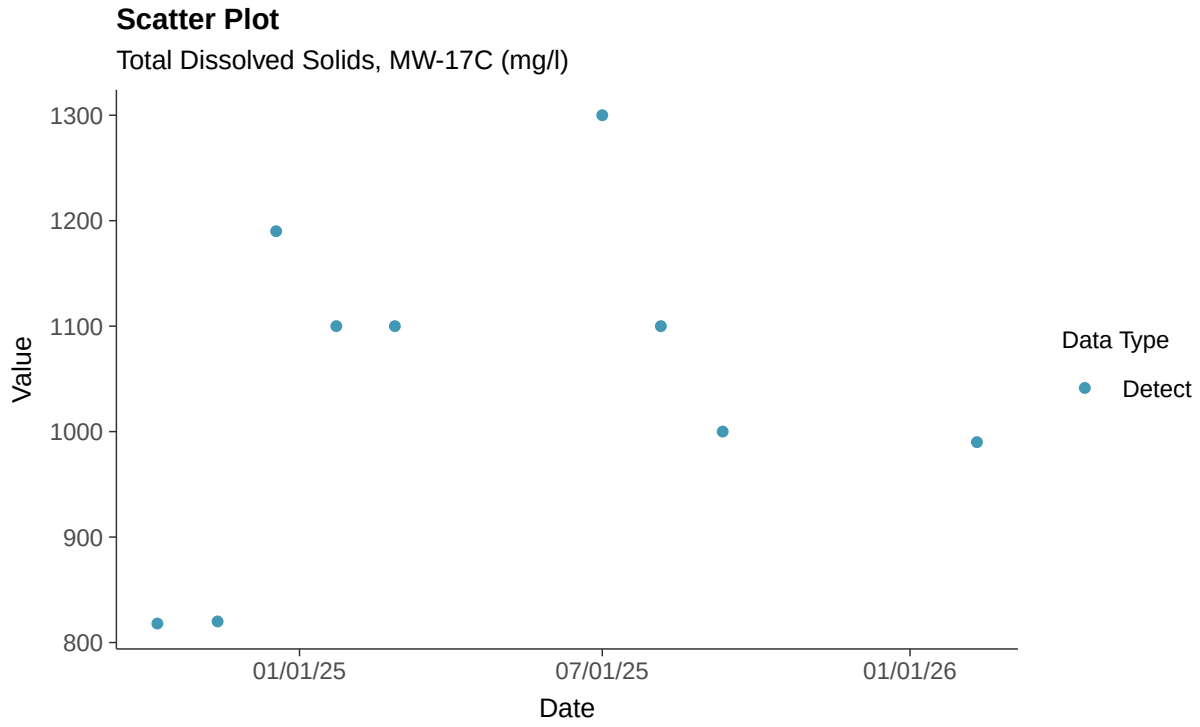
Sulfate, MW-17C (mg/l)

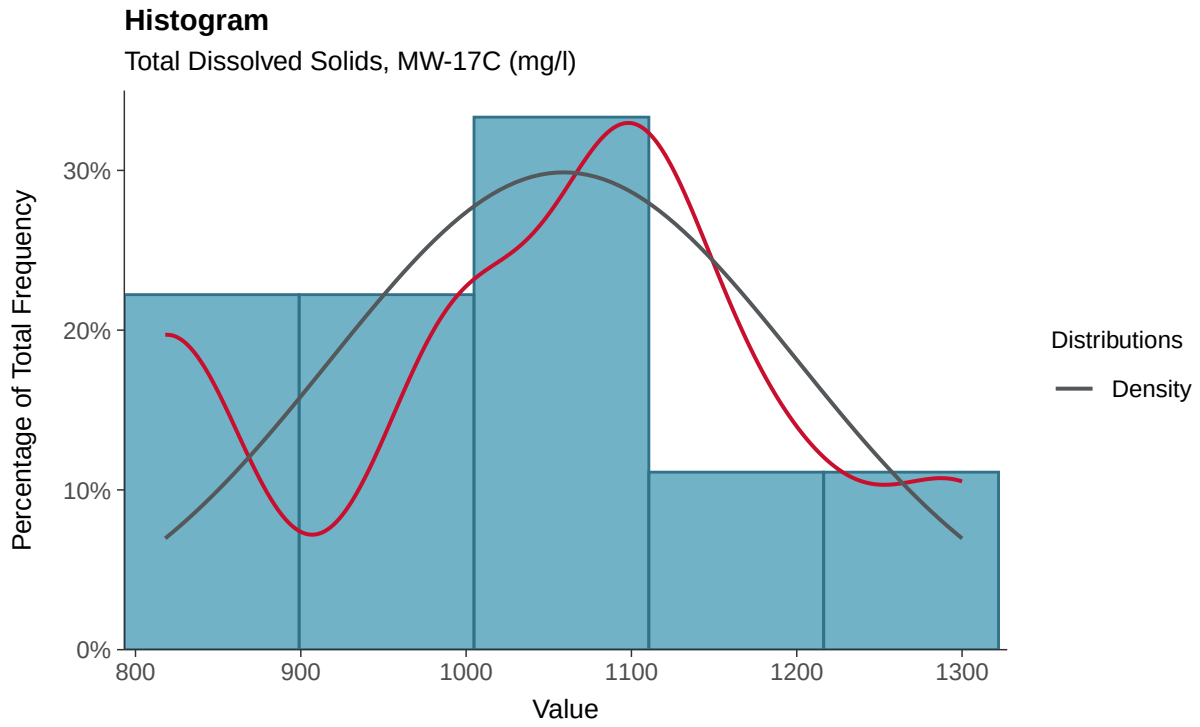



Trend Regression: Piecewise Linear-Linear-Linear
Sulfate, MW-17C (mg/l)
600
500
400
300
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Total Dissolved Solids, MW-17C

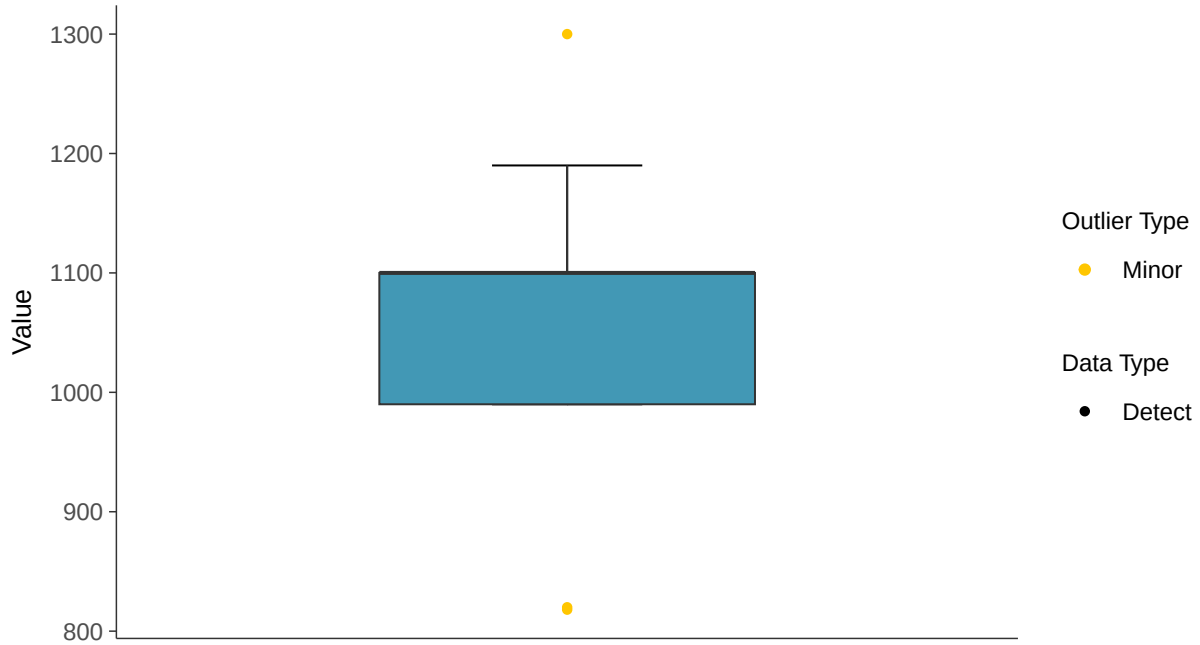
ID: 27_2_126





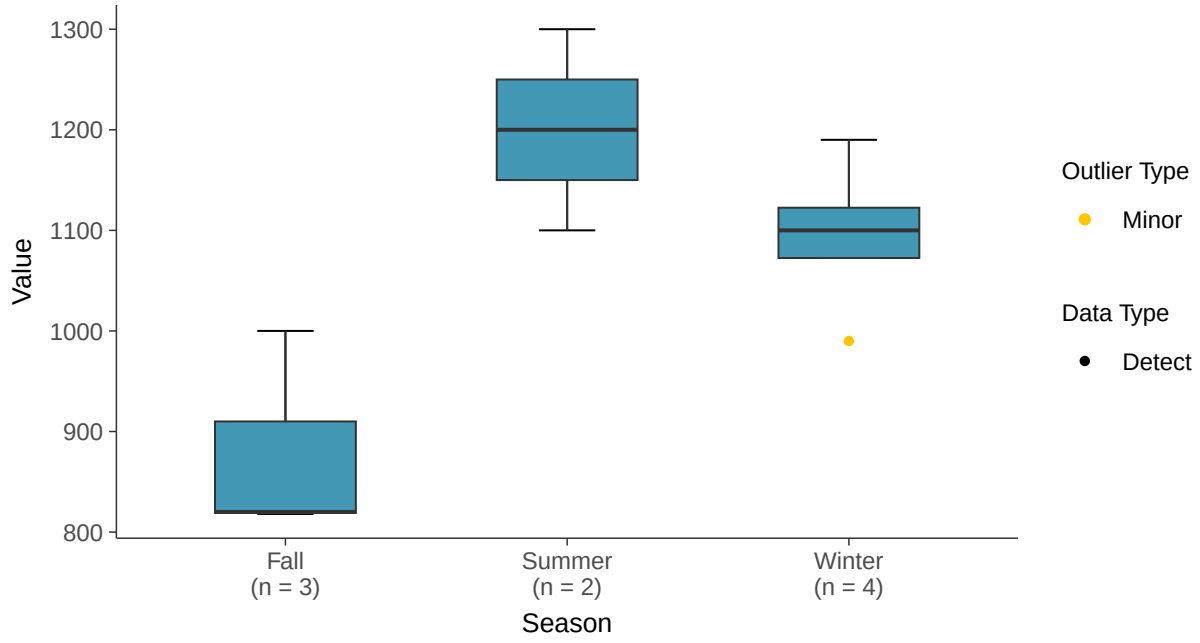
Boxplot

Total Dissolved Solids, MW-17C (mg/l)



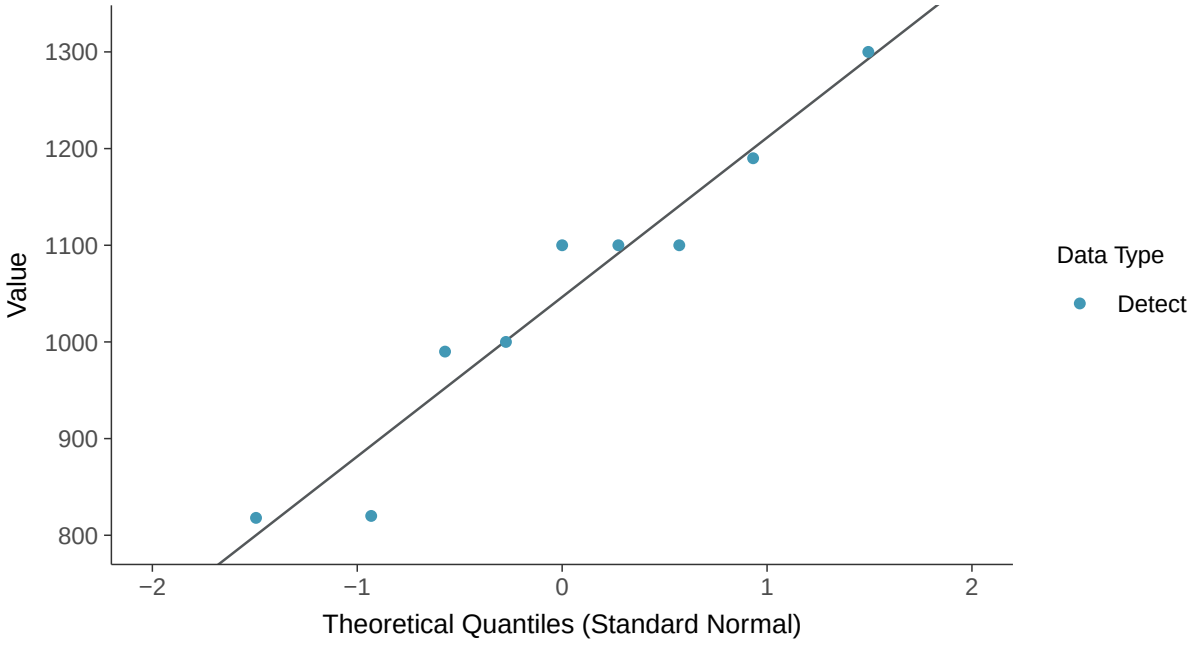
Boxplot by Season

Total Dissolved Solids, MW-17C (mg/l)



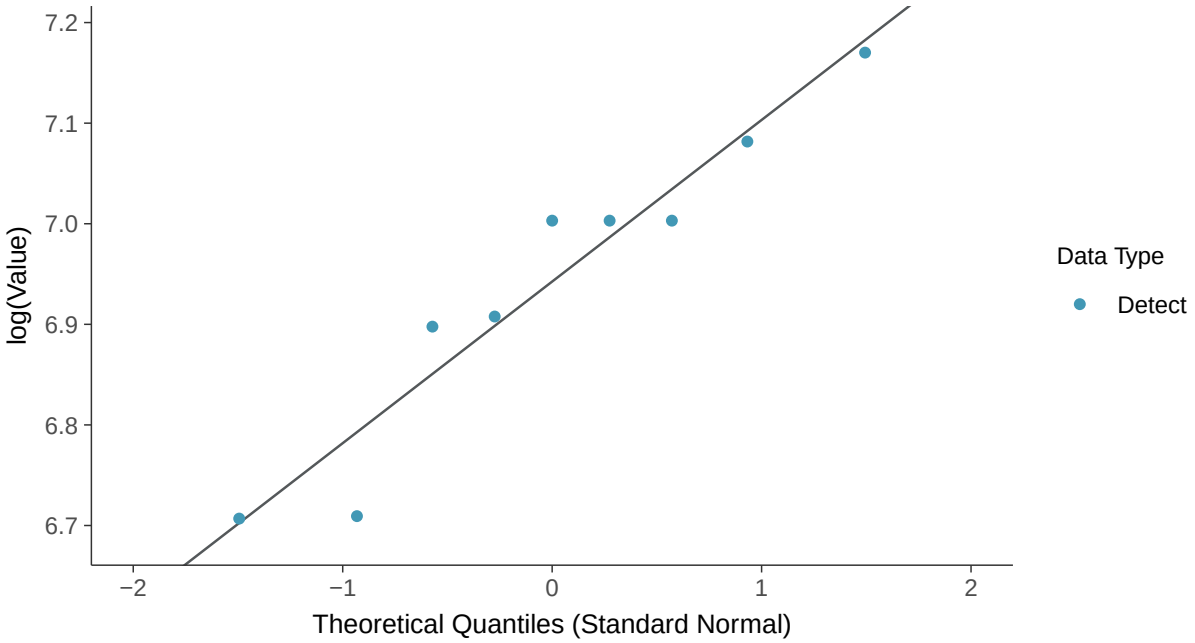
Normal Q-Q plot

Total Dissolved Solids, MW-17C (mg/l)



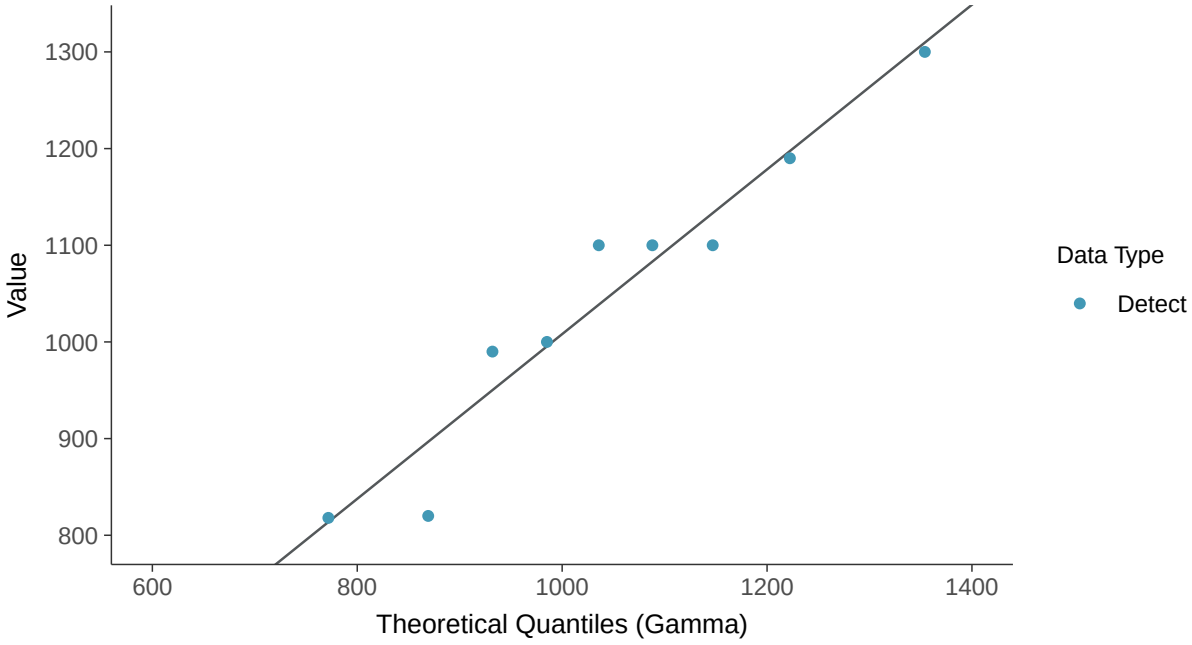
Lognormal Q-Q plot

Total Dissolved Solids, MW-17C (mg/l)



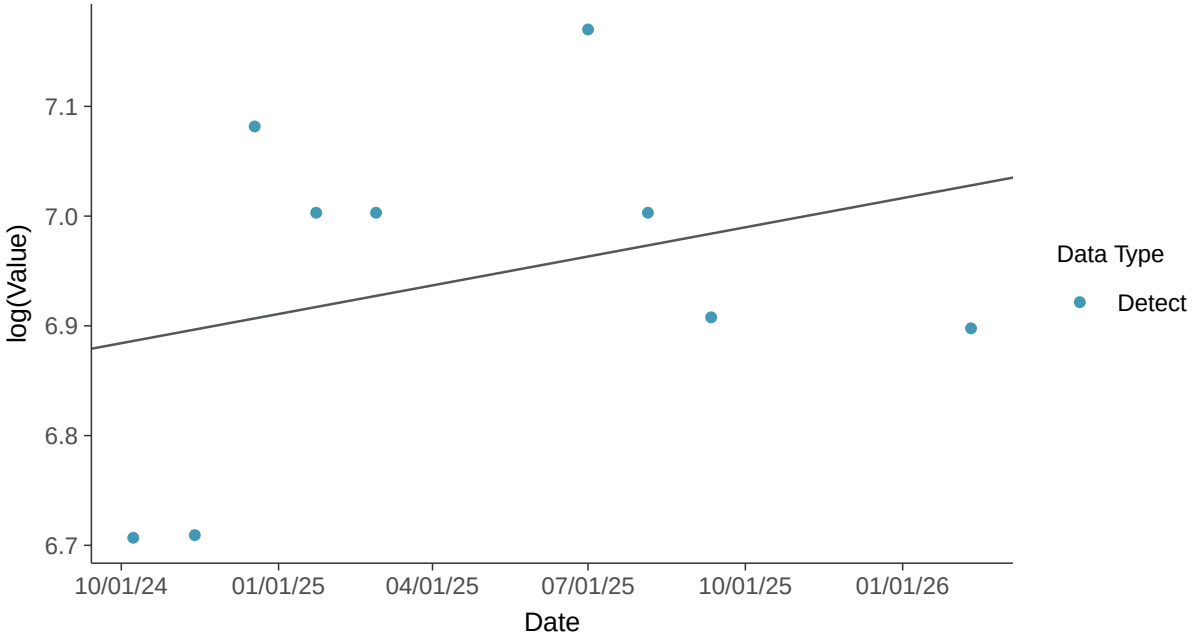
Gamma Q-Q plot

Total Dissolved Solids, MW-17C (mg/l)



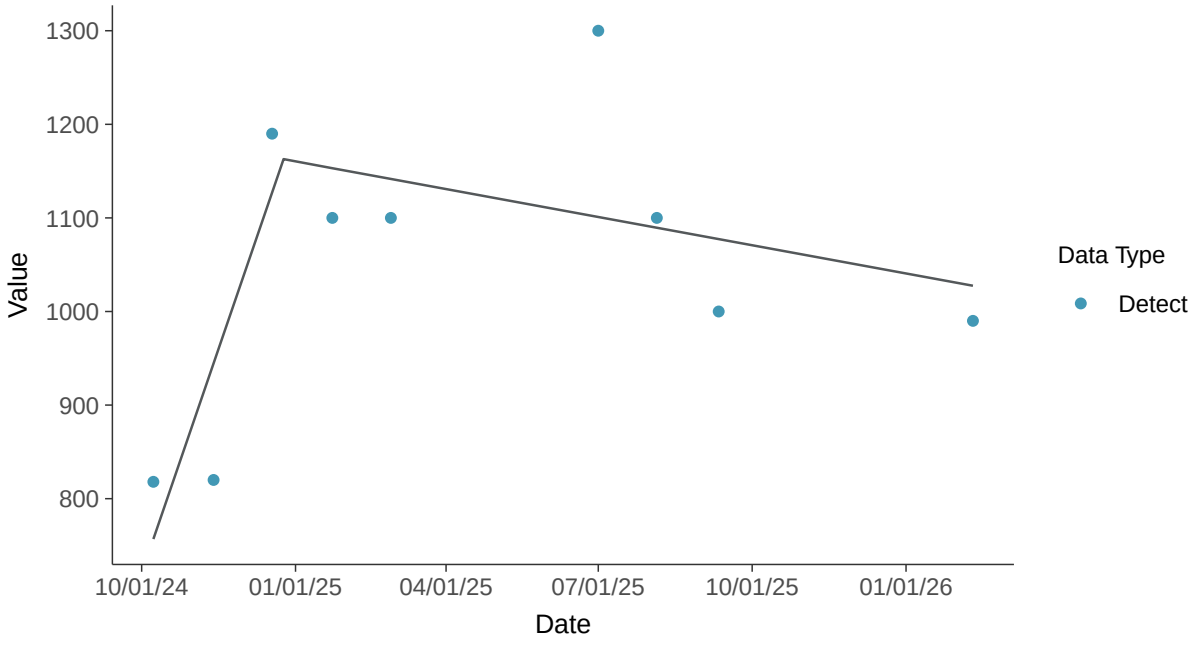
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-17C (mg/l)



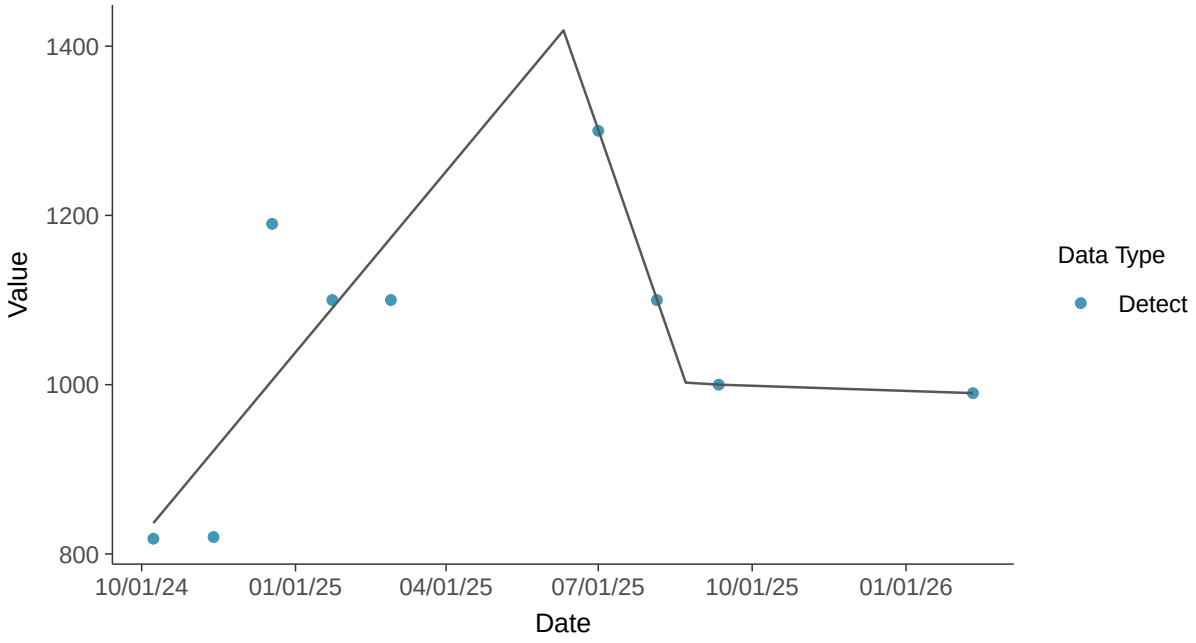
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-17C (mg/l)



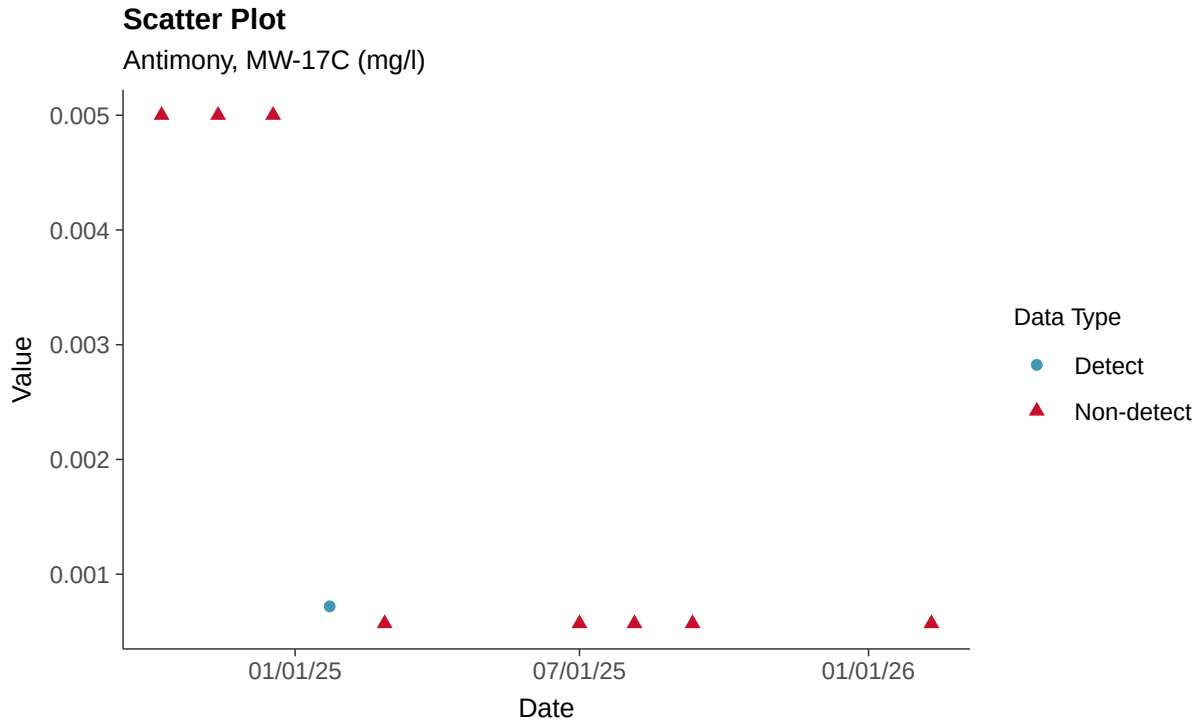
Trend Regression: Piecewise Linear-Linear-Linear

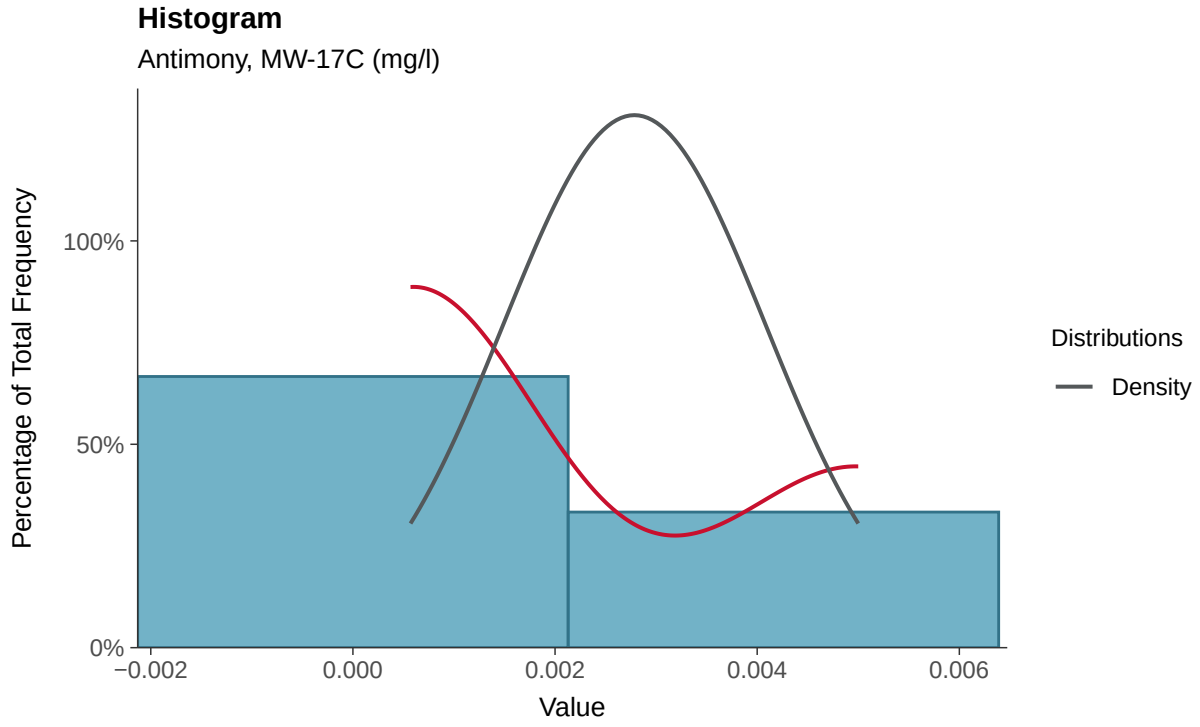
Total Dissolved Solids, MW-17C (mg/l)



Appendix IV: Antimony, MW-17C

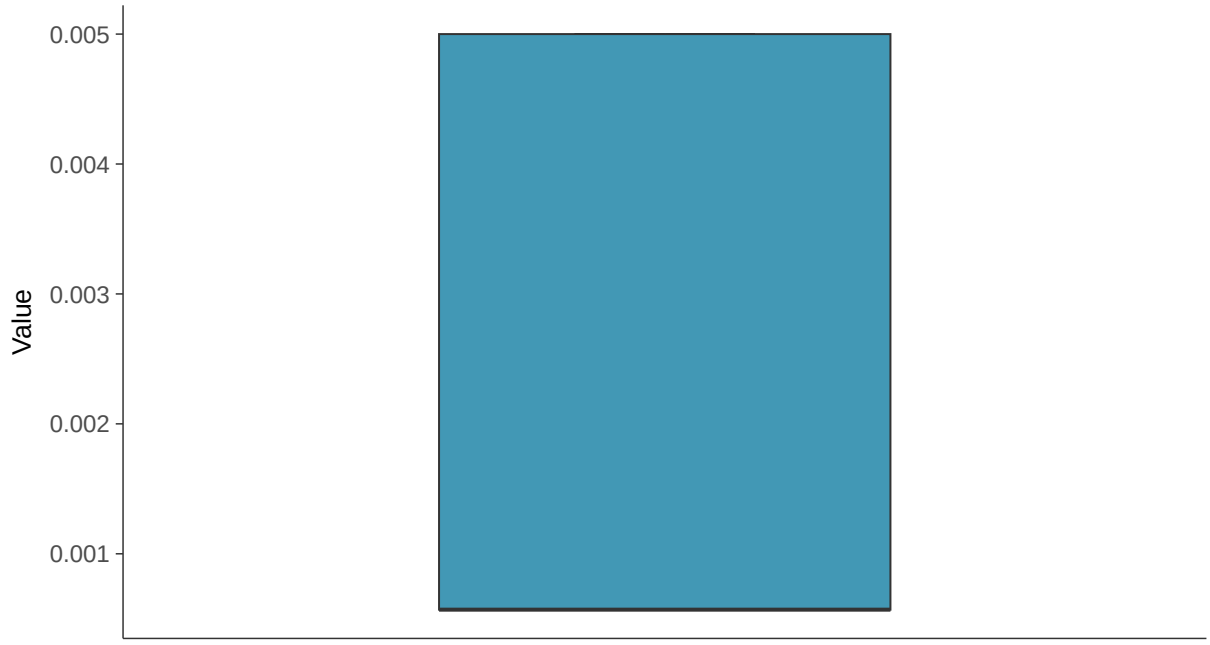
ID: 27_3_101





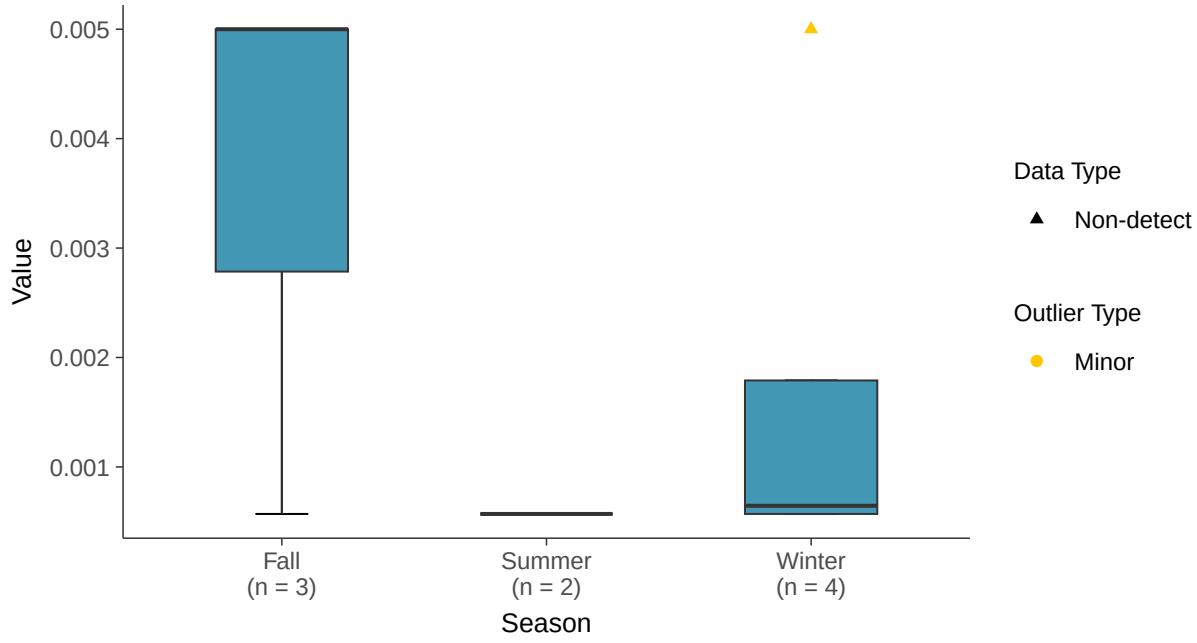
Boxplot

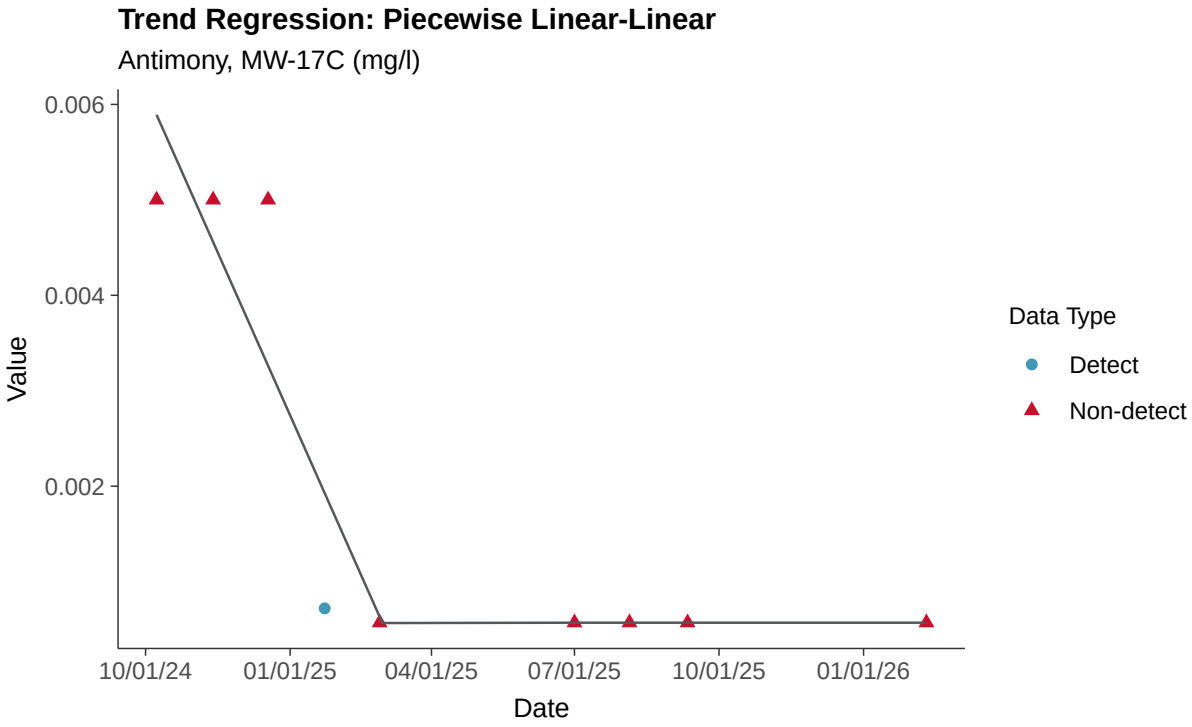
Antimony, MW-17C (mg/l)



Boxplot by Season

Antimony, MW-17C (mg/l)



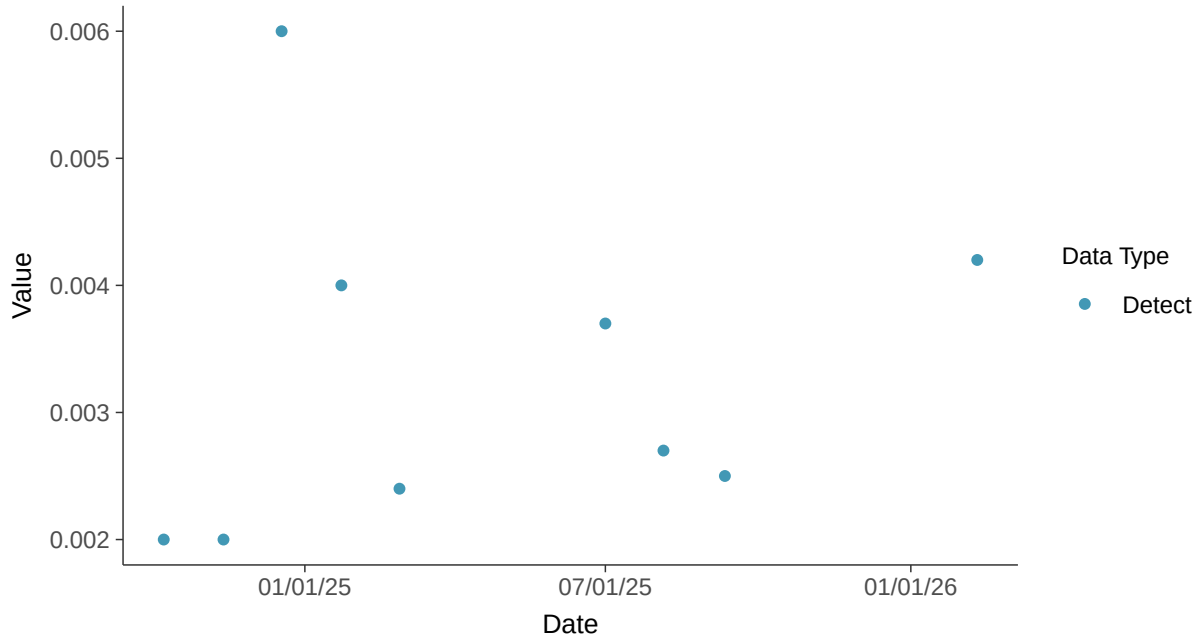

Trend Regression: Piecewise Linear-Linear
Antimony, MW-17C (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Arsenic, MW-17C

ID: 27_3_102

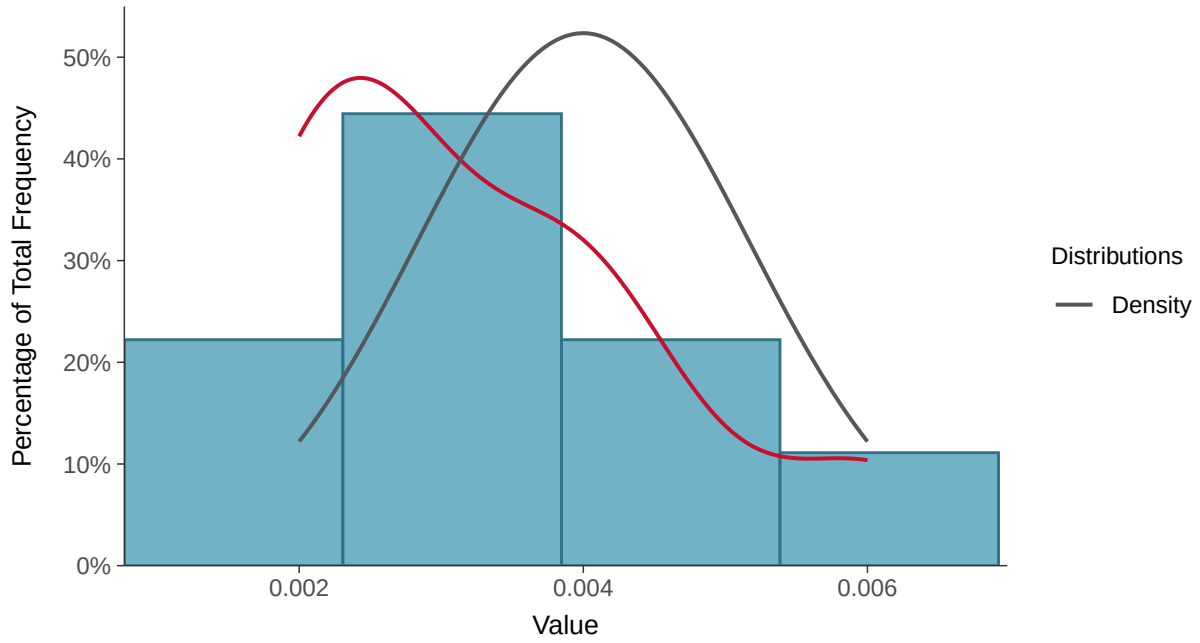
Scatter Plot

Arsenic, MW-17C (mg/l)



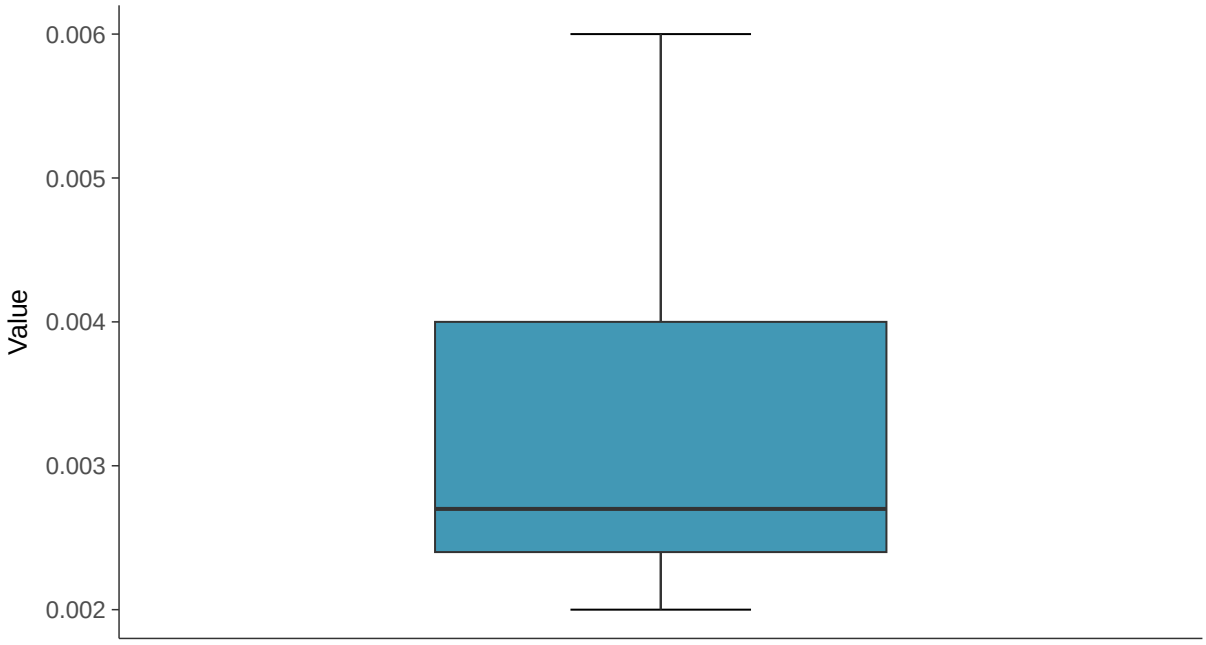
Histogram

Arsenic, MW-17C (mg/l)



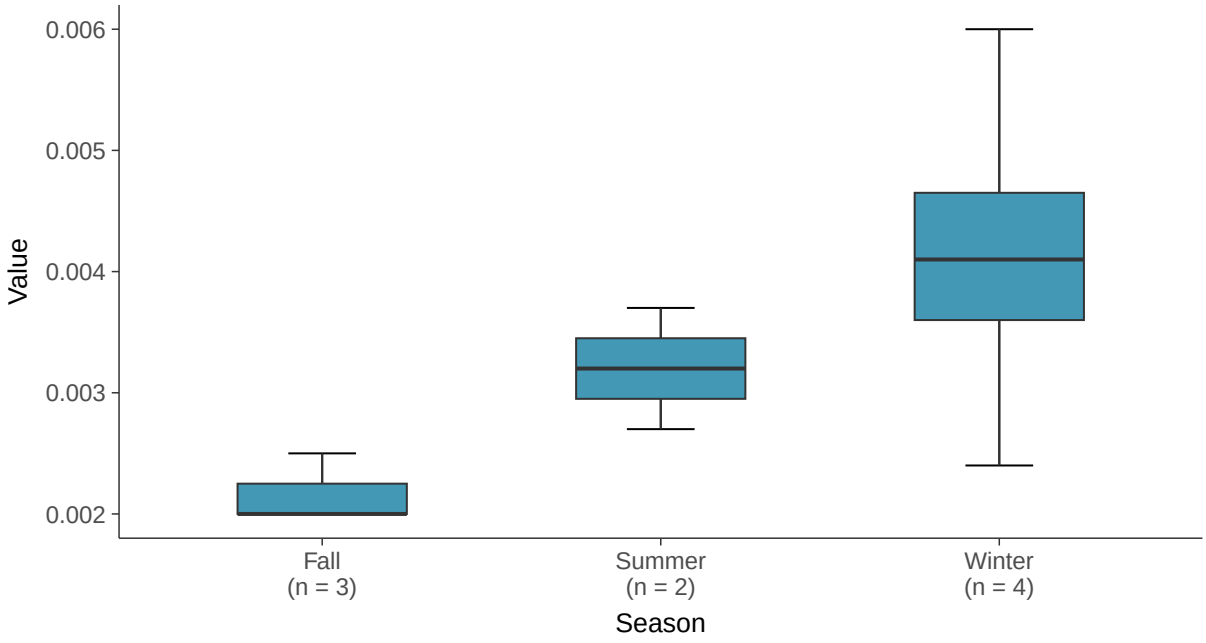
Boxplot

Arsenic, MW-17C (mg/l)



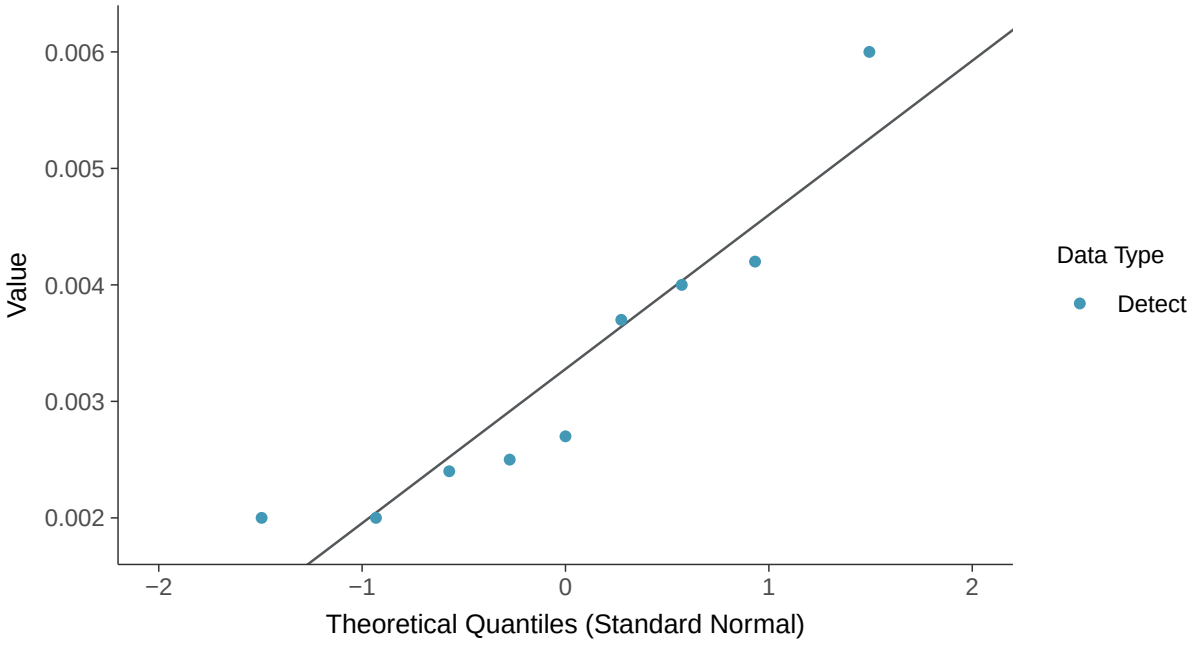
Boxplot by Season

Arsenic, MW-17C (mg/l)



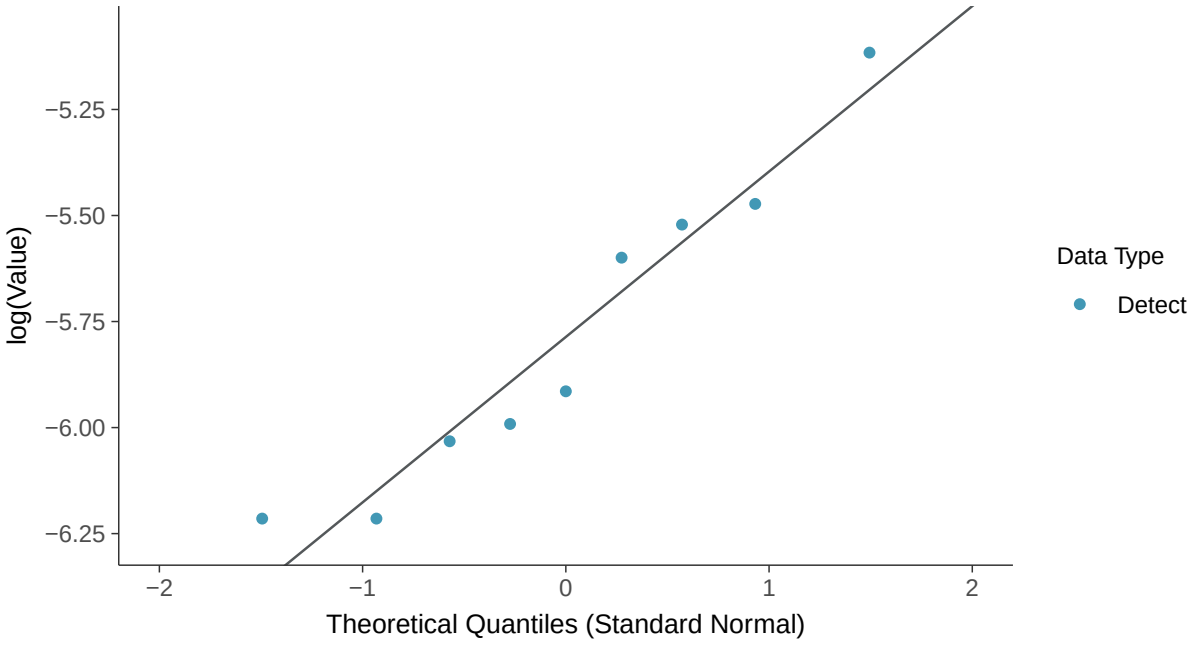
Normal Q-Q plot

Arsenic, MW-17C (mg/l)



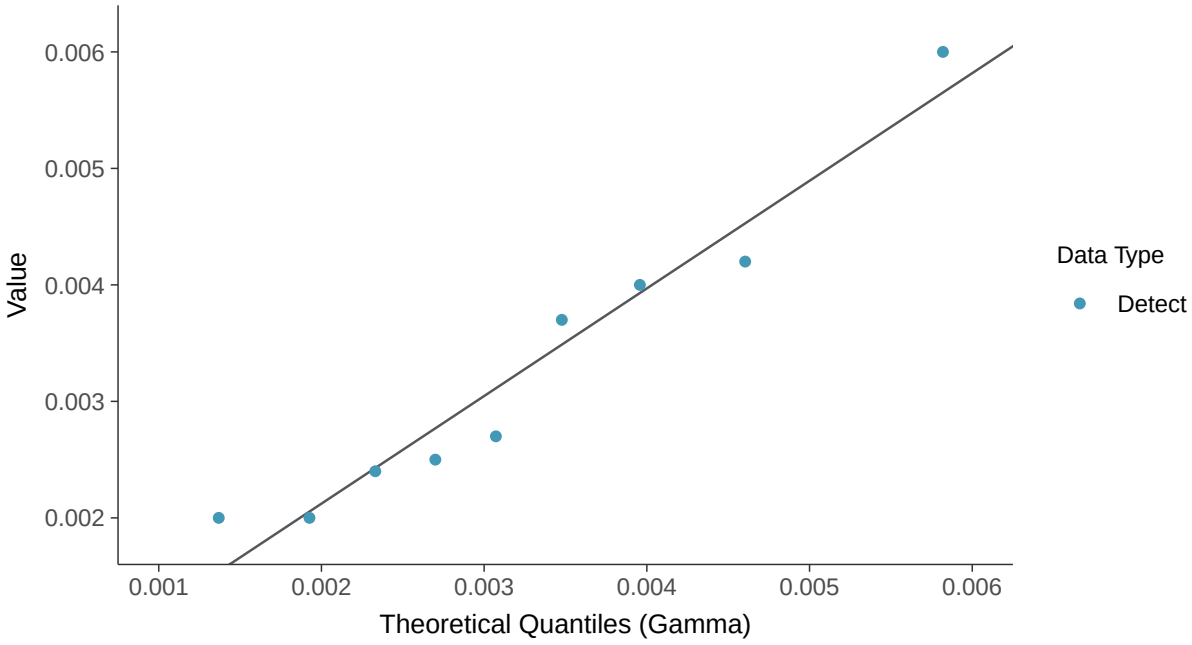
Lognormal Q-Q plot

Arsenic, MW-17C (mg/l)



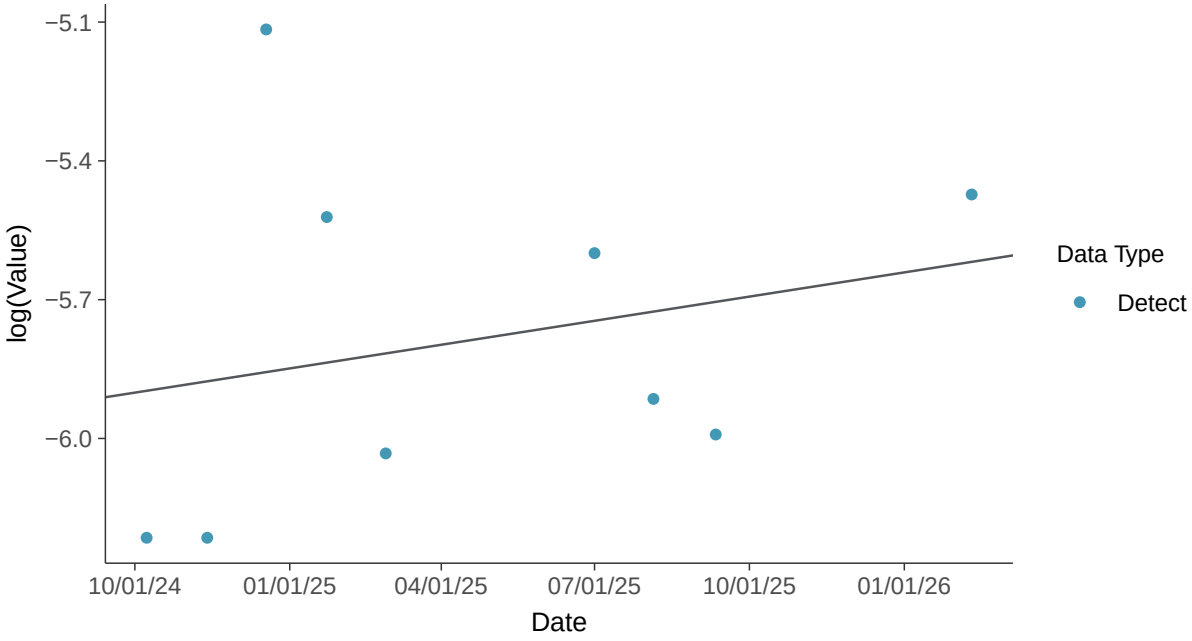
Gamma Q-Q plot

Arsenic, MW-17C (mg/l)



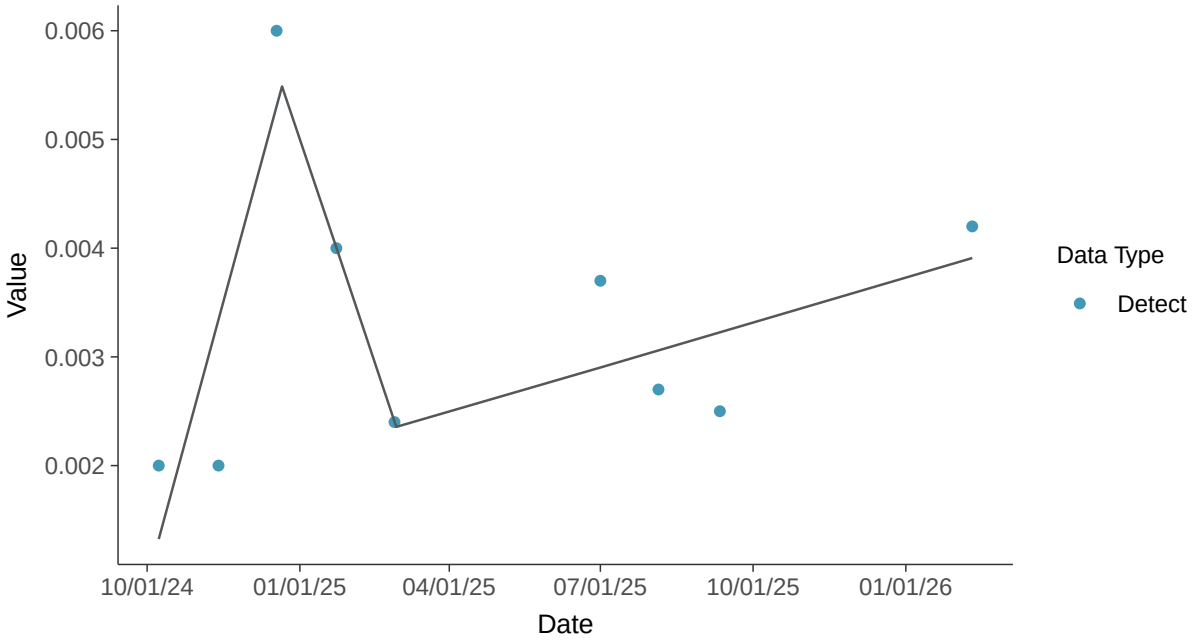
Trend Regression: Lognormal MLE

Arsenic, MW-17C (mg/l)



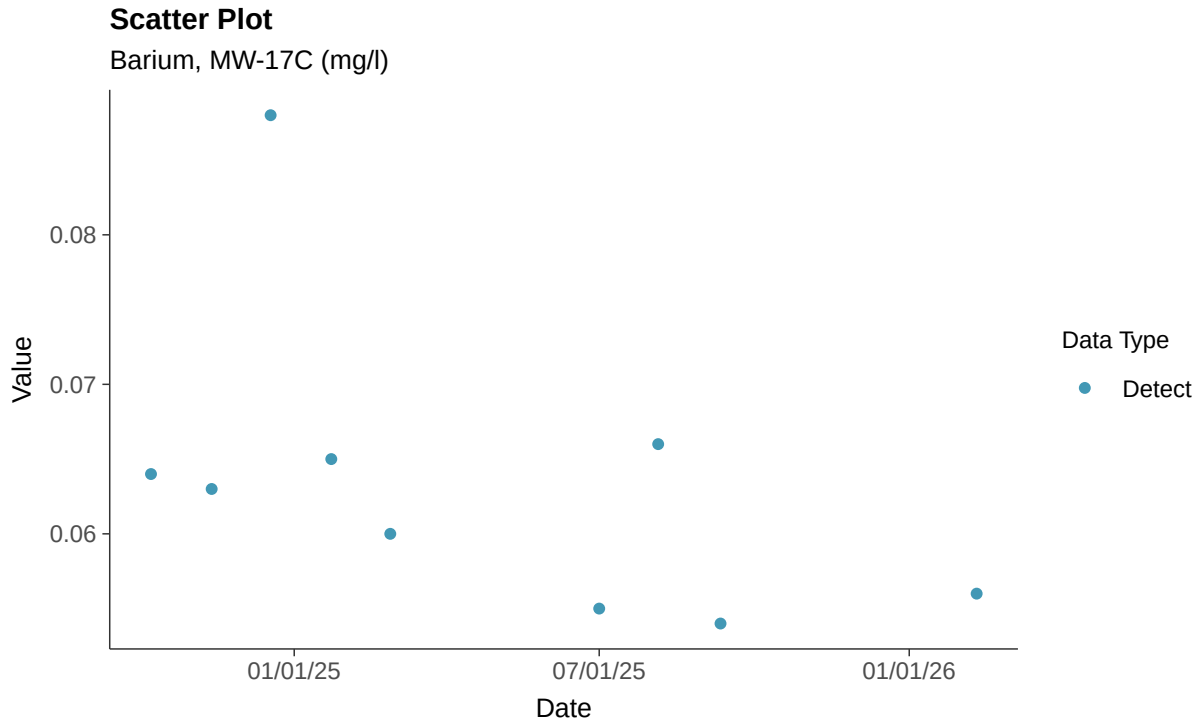
Trend Regression: Piecewise Linear-Linear-Linear

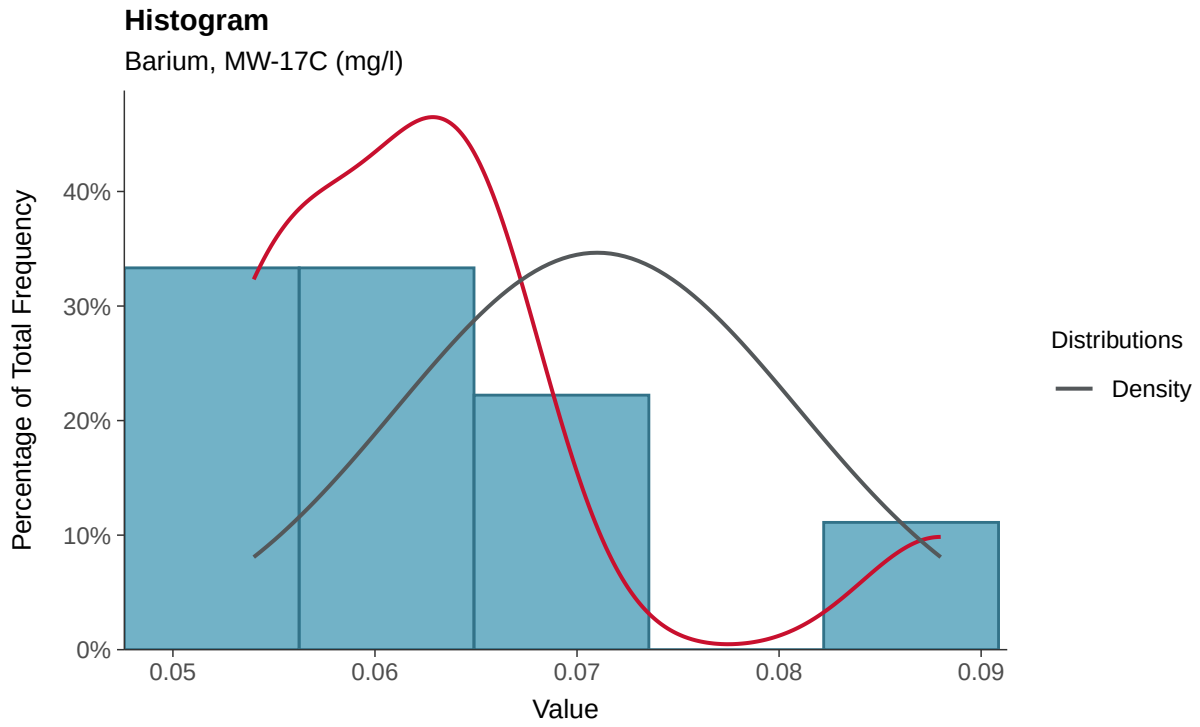
Arsenic, MW-17C (mg/l)



Appendix IV: Barium, MW-17C

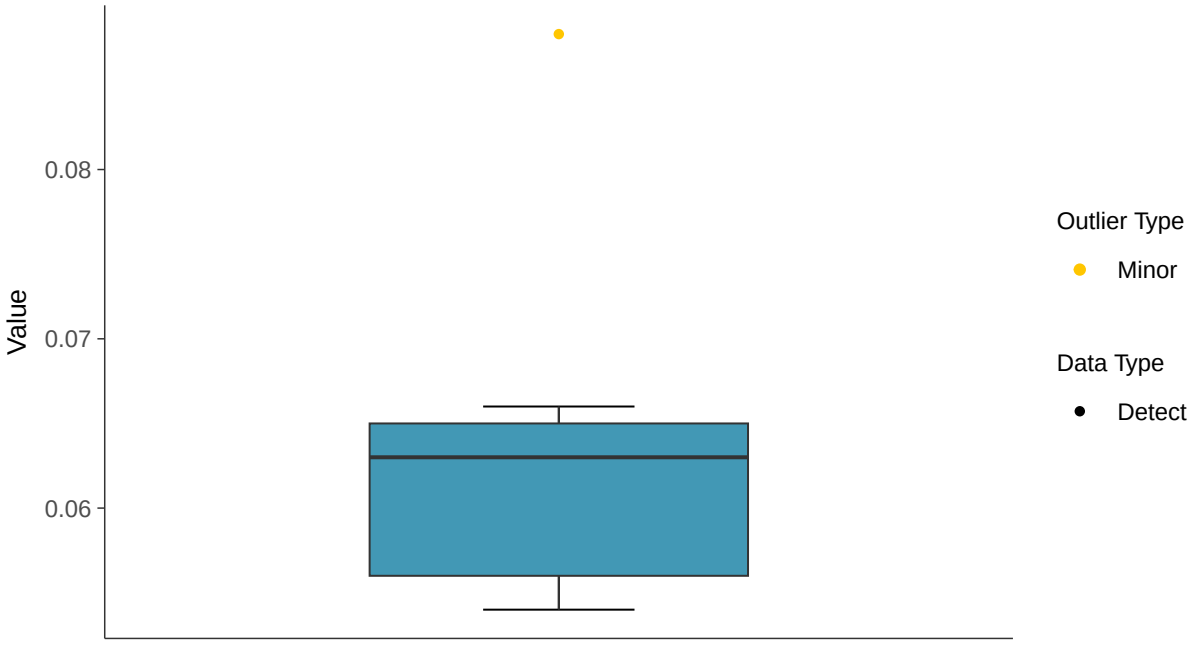
ID: 27_3_103





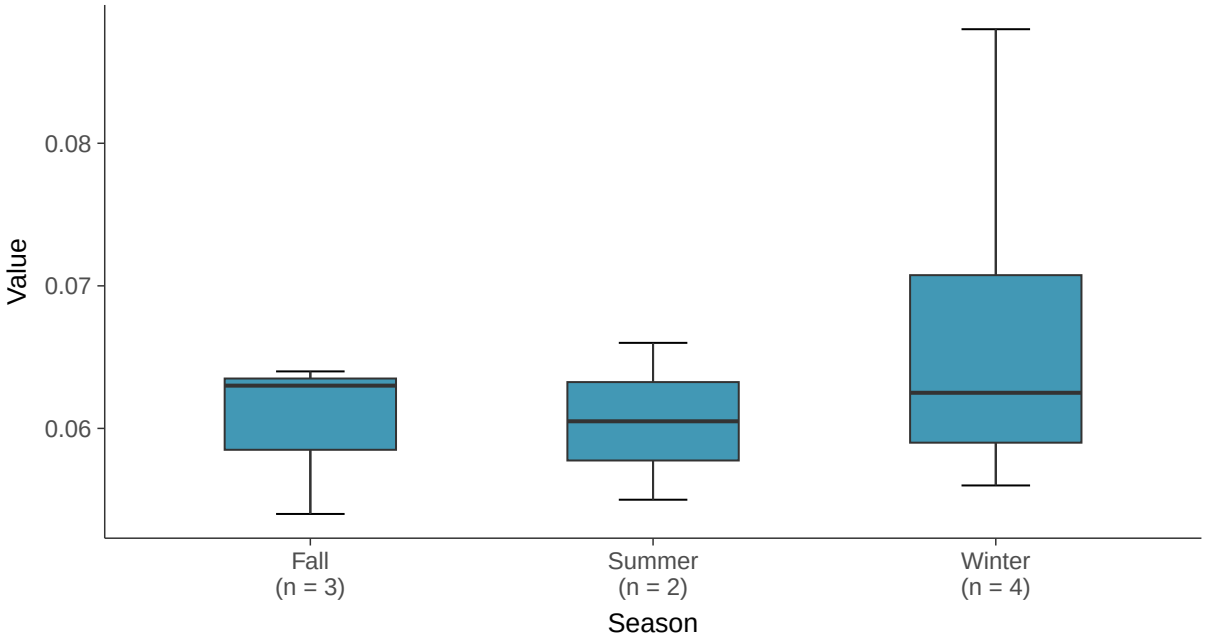
Boxplot

Barium, MW-17C (mg/l)



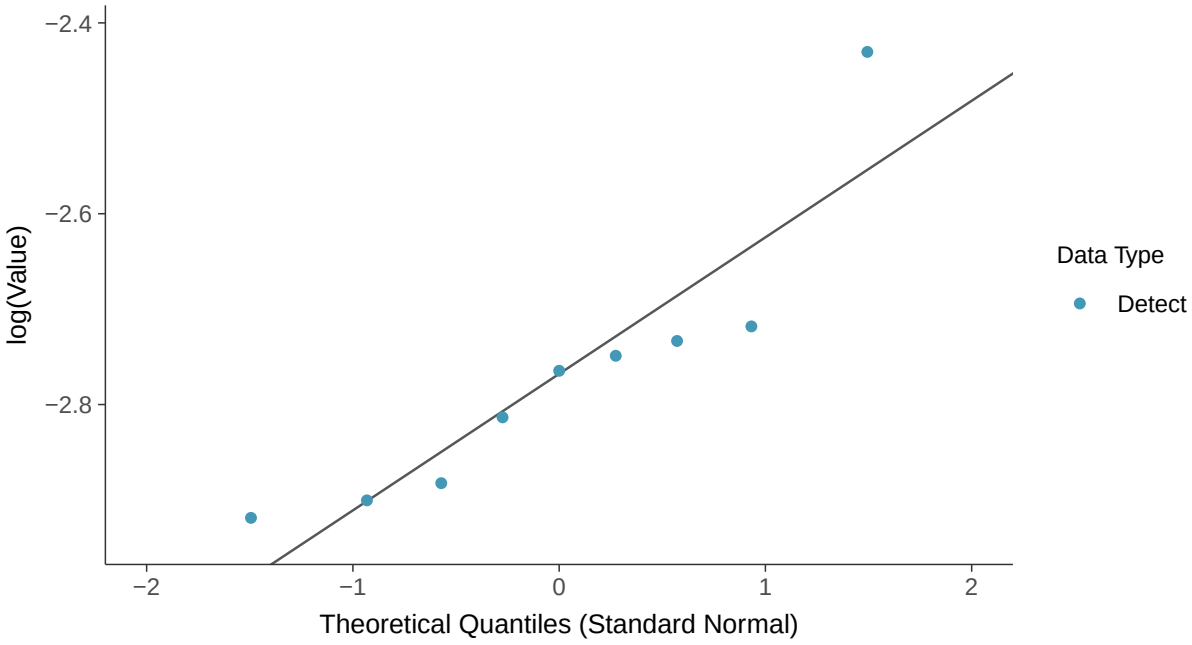
Boxplot by Season

Barium, MW-17C (mg/l)



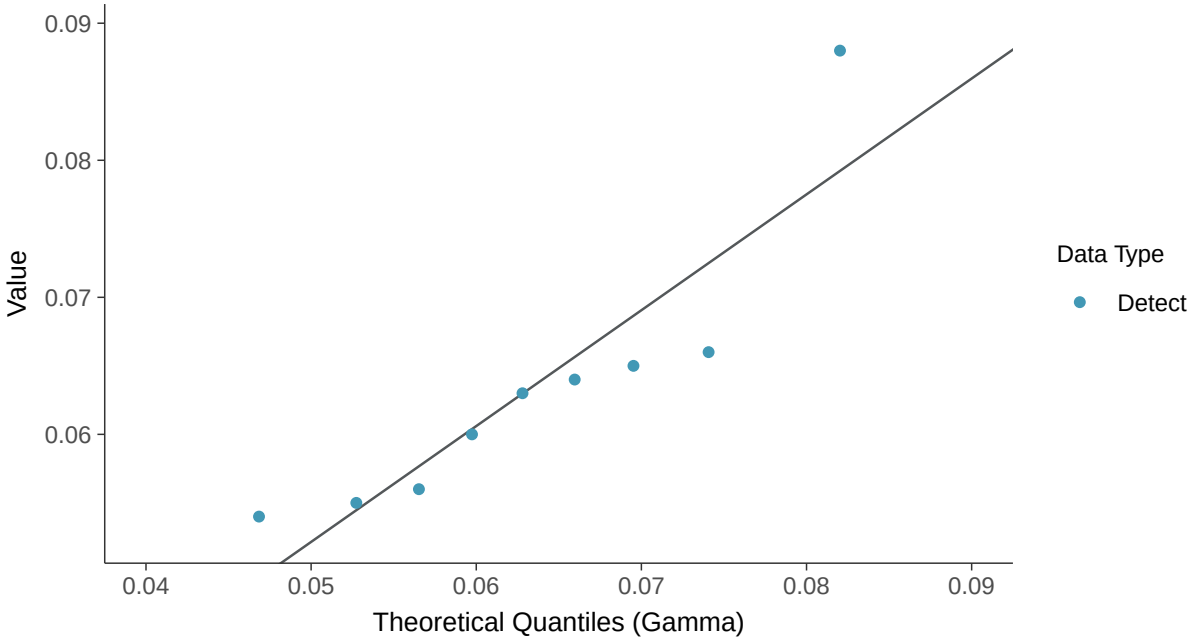
Lognormal Q-Q plot

Barium, MW-17C (mg/l)



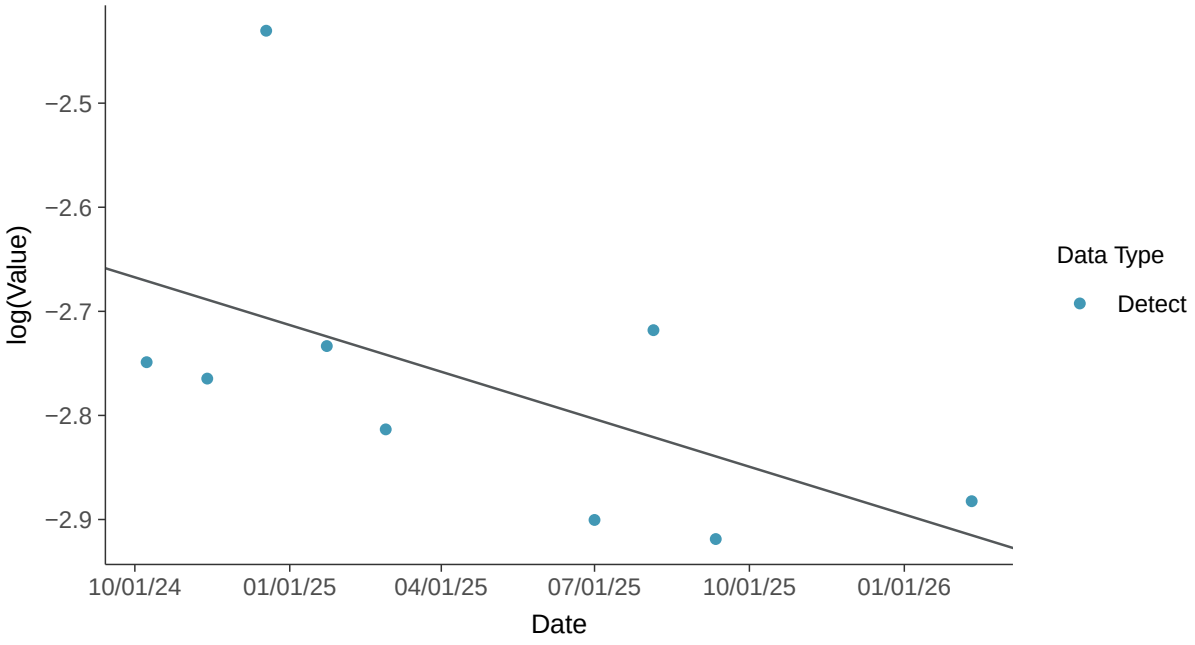
Gamma Q-Q plot

Barium, MW-17C (mg/l)



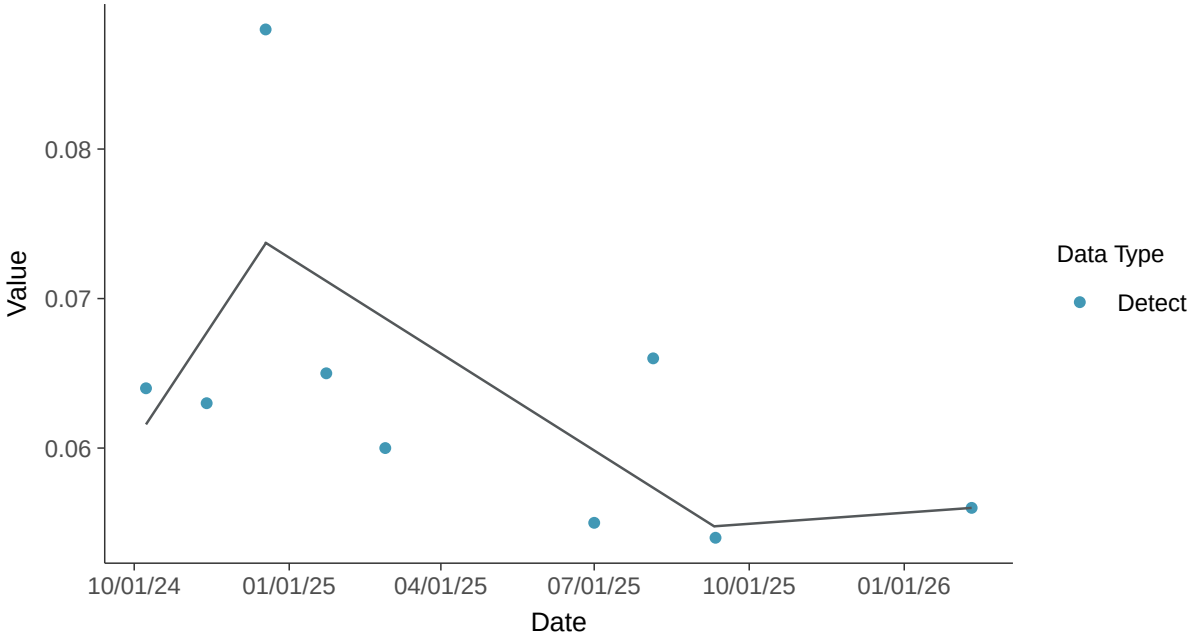
Trend Regression: Lognormal MLE

Barium, MW-17C (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Barium, MW-17C (mg/l)

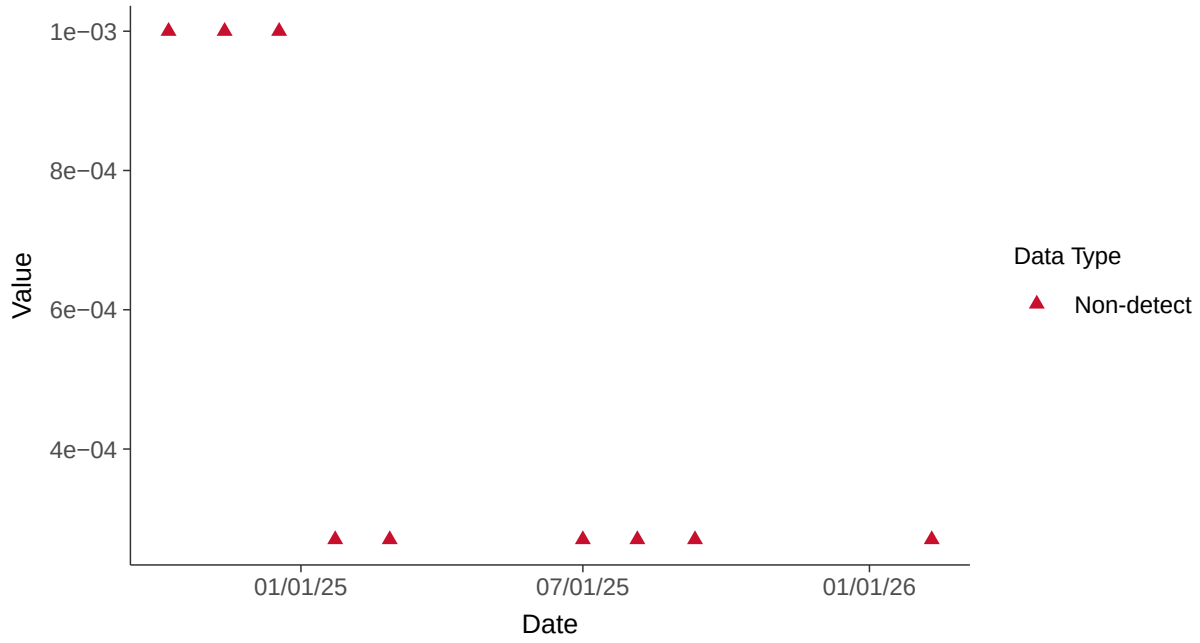


Appendix IV: Beryllium, MW-17C

ID: 27_3_104

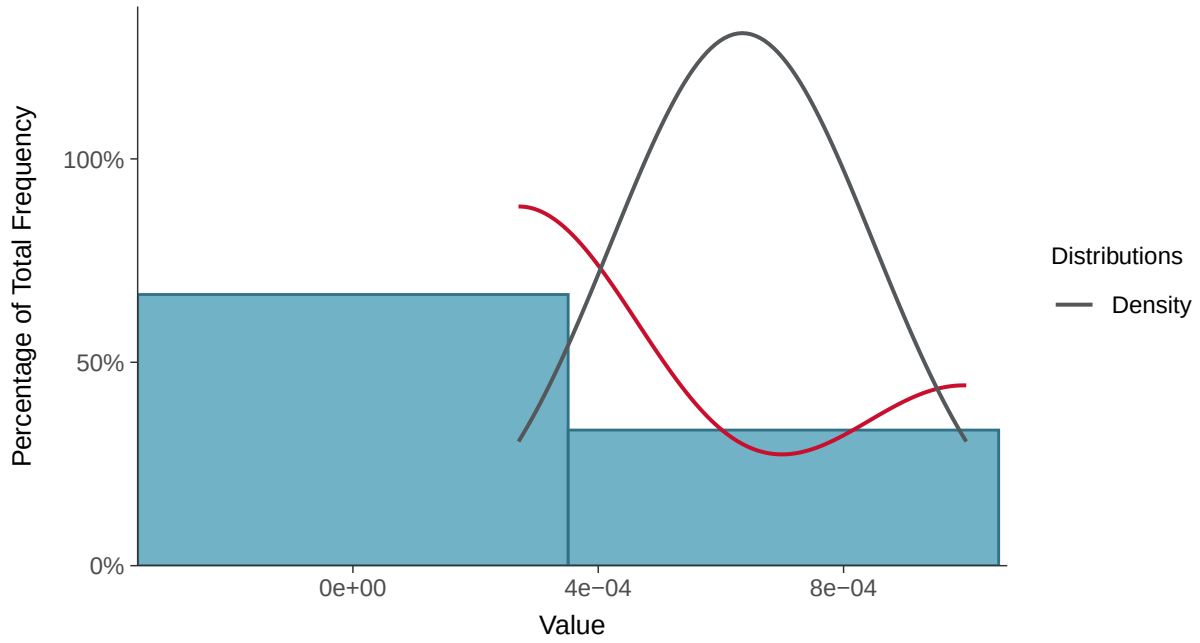
Scatter Plot

Beryllium, MW-17C (mg/l)



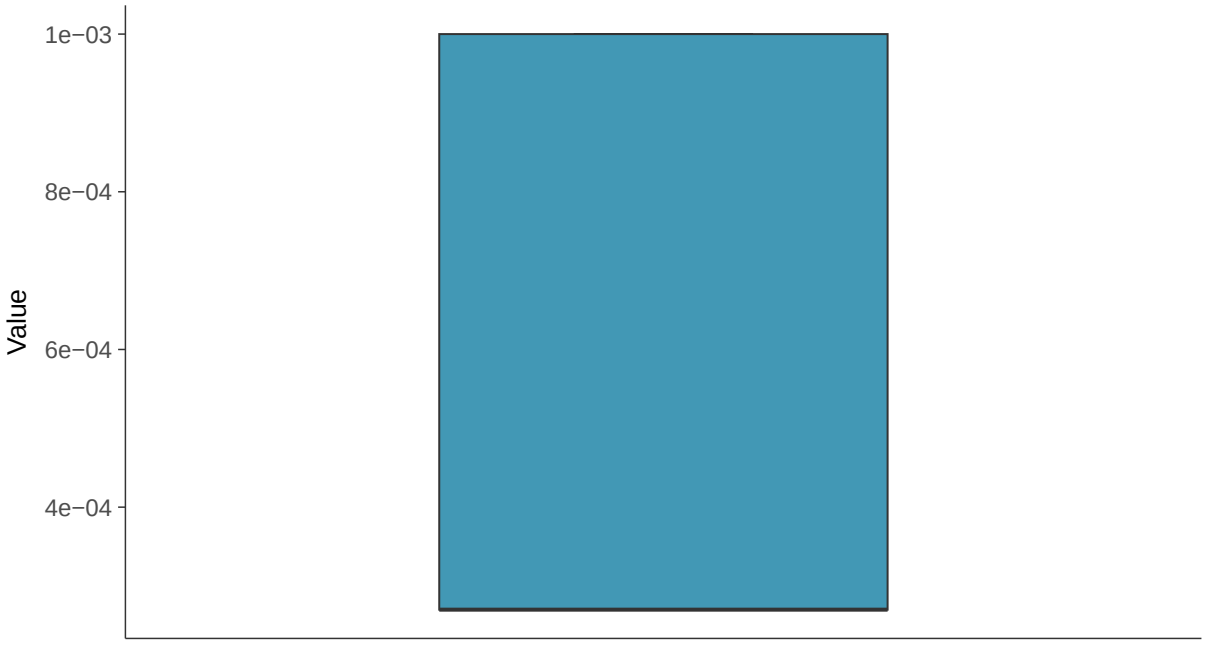
Histogram

Beryllium, MW-17C (mg/l)



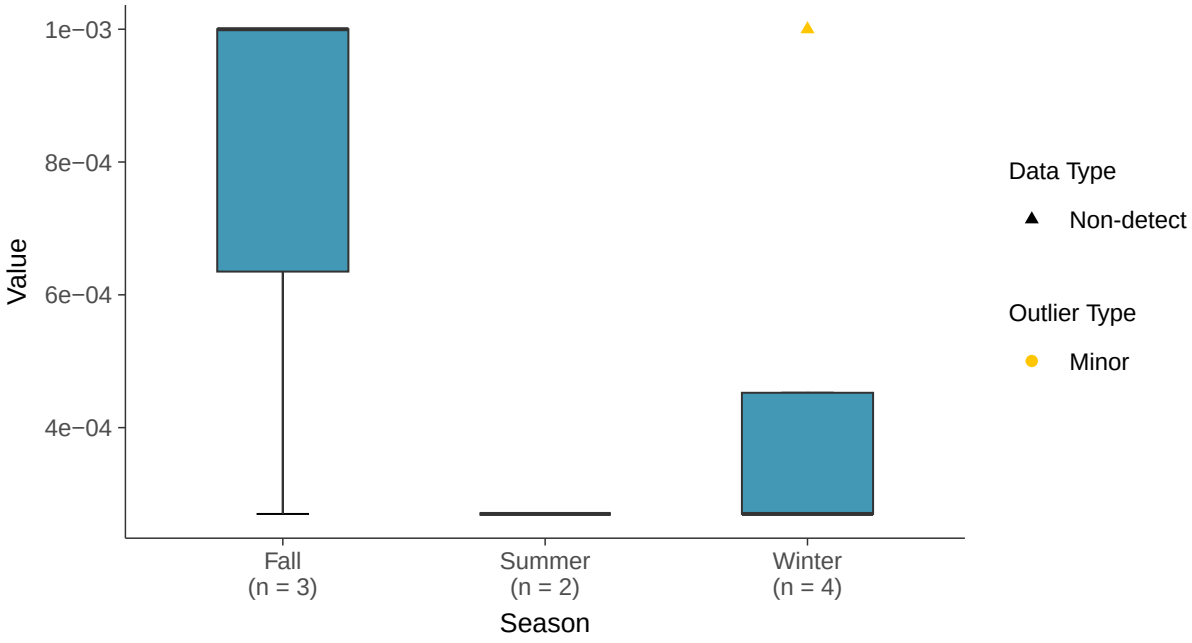
Boxplot

Beryllium, MW-17C (mg/l)



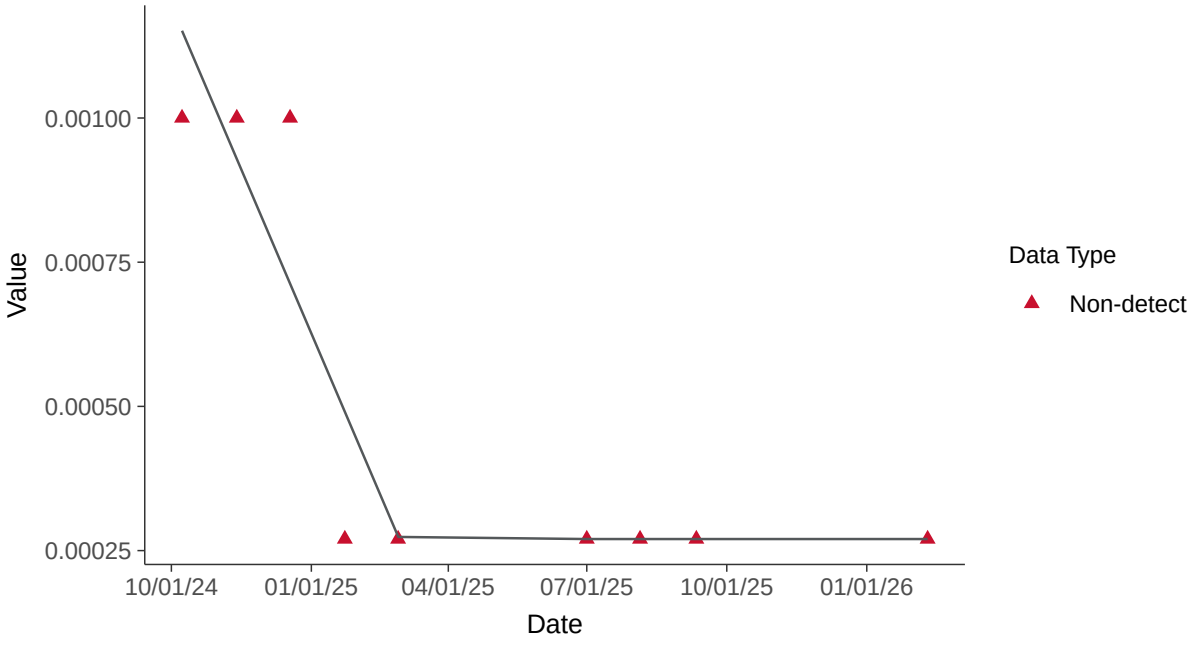
Boxplot by Season

Beryllium, MW-17C (mg/l)



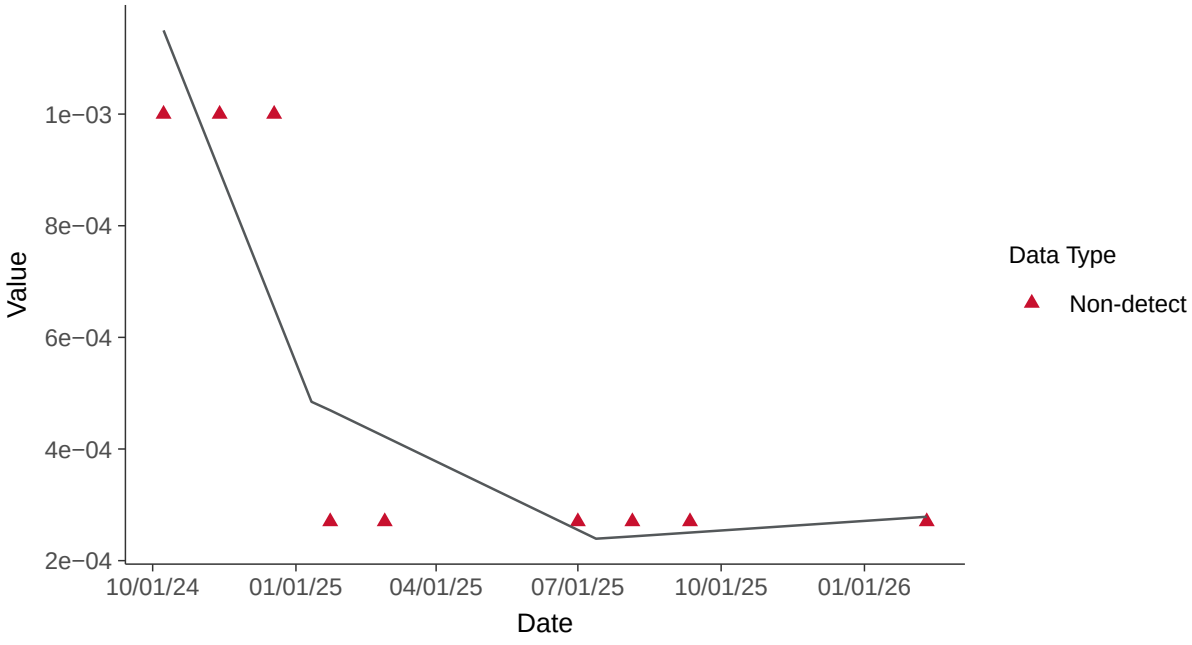
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-17C (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Beryllium, MW-17C (mg/l)

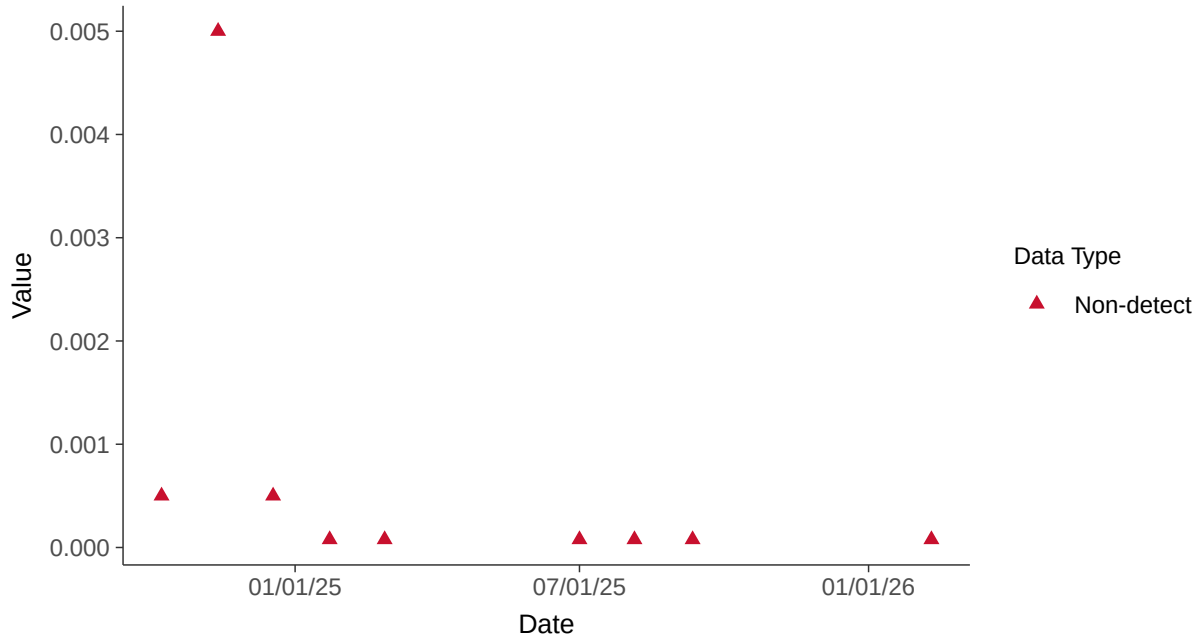


Appendix IV: Cadmium, MW-17C

ID: 27_3_106

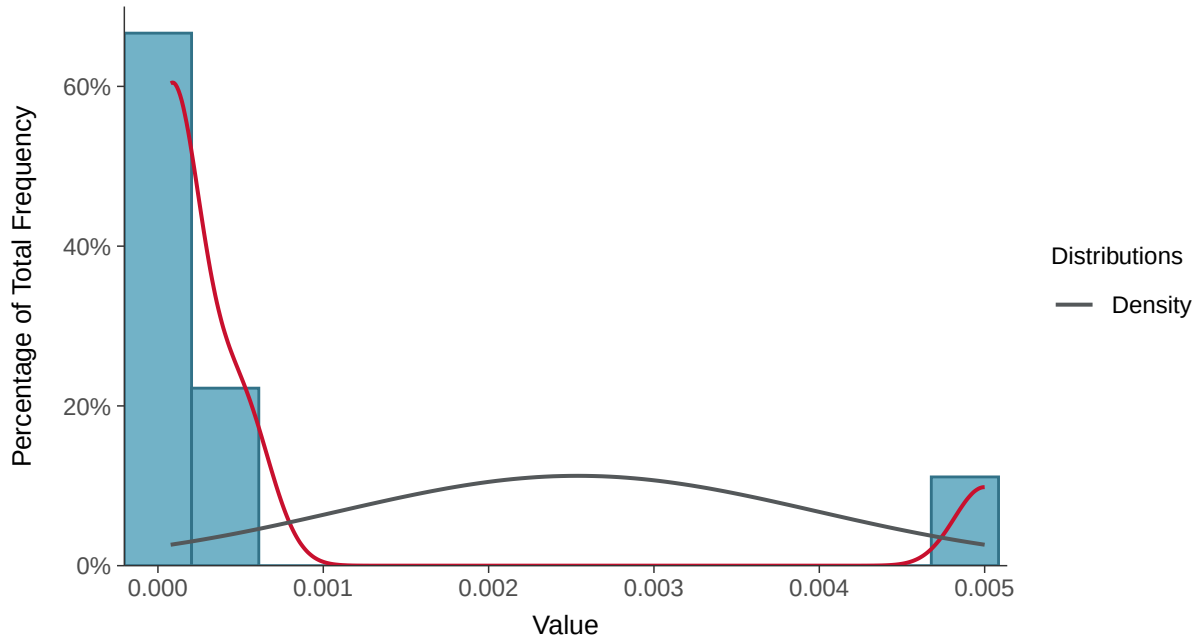
Scatter Plot

Cadmium, MW-17C (mg/l)



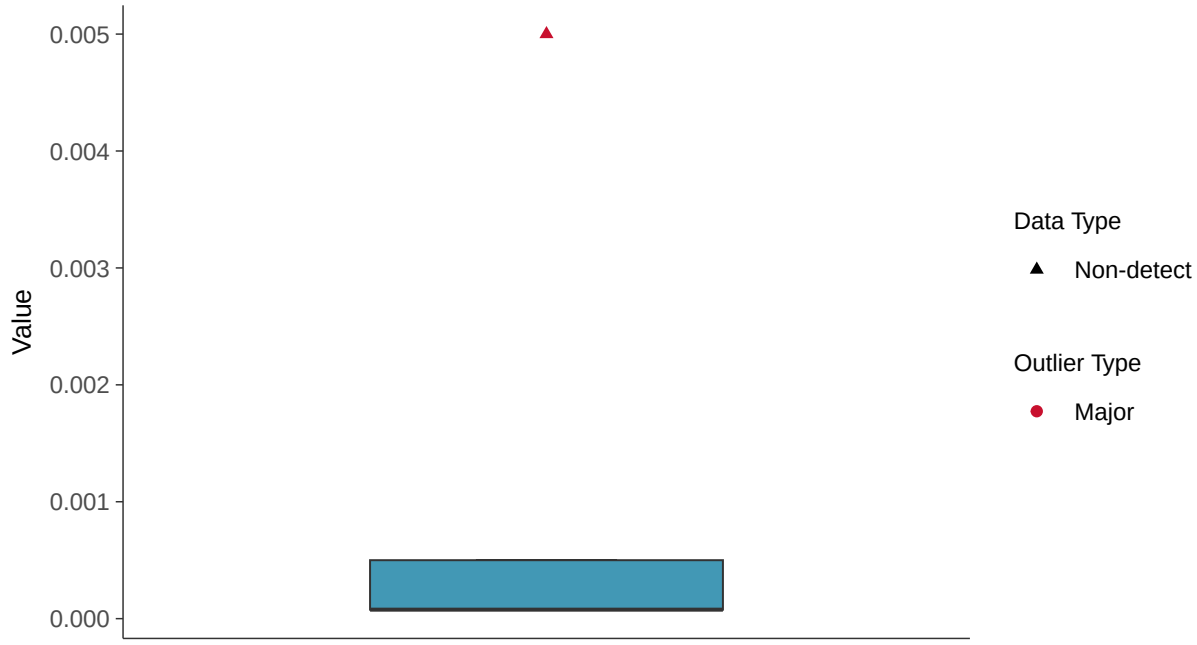
Histogram

Cadmium, MW-17C (mg/l)



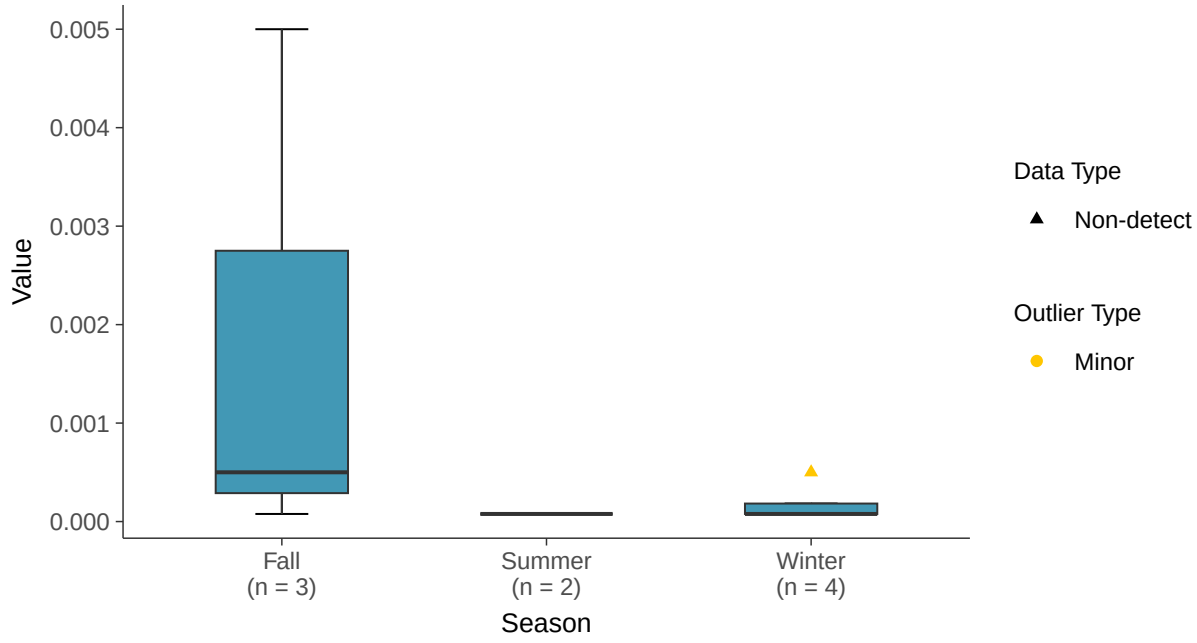
Boxplot

Cadmium, MW-17C (mg/l)



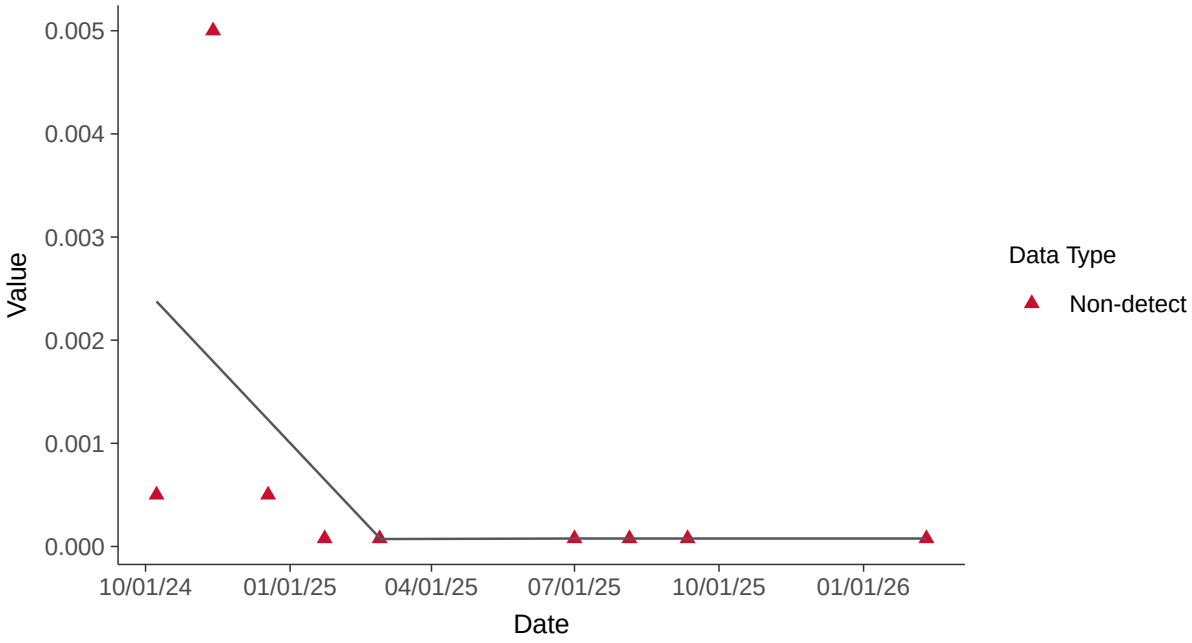
Boxplot by Season

Cadmium, MW-17C (mg/l)



Trend Regression: Piecewise Linear-Linear

Cadmium, MW-17C (mg/l)

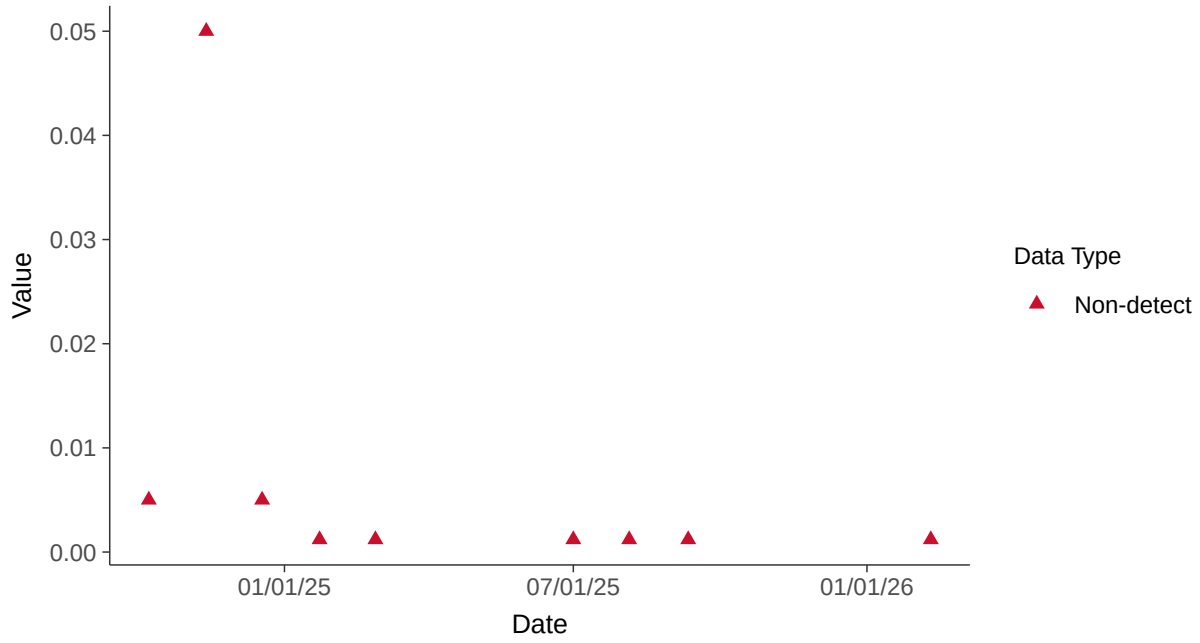


Appendix IV: Chromium, MW-17C

ID: 27_3_109

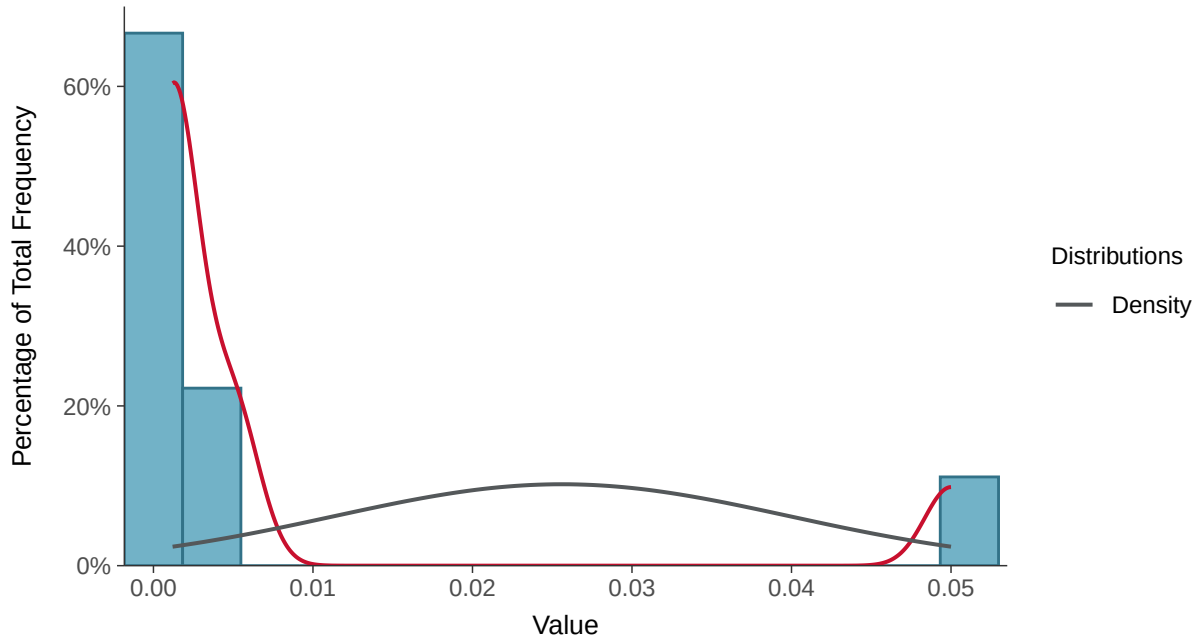
Scatter Plot

Chromium, MW-17C (mg/l)



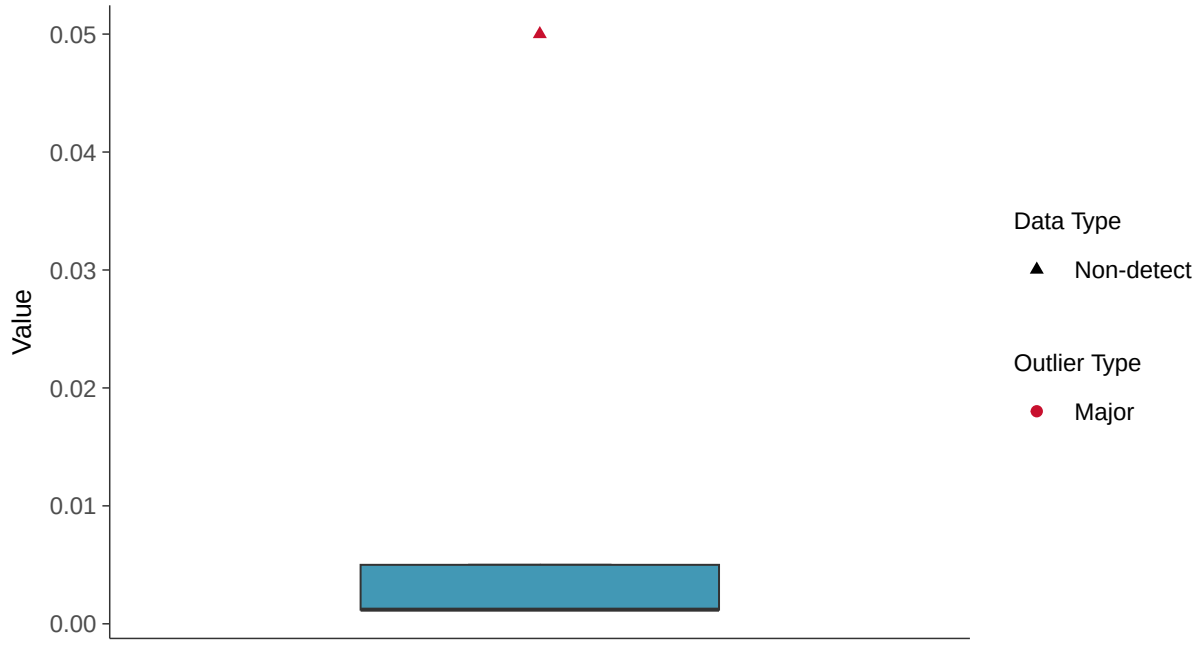
Histogram

Chromium, MW-17C (mg/l)



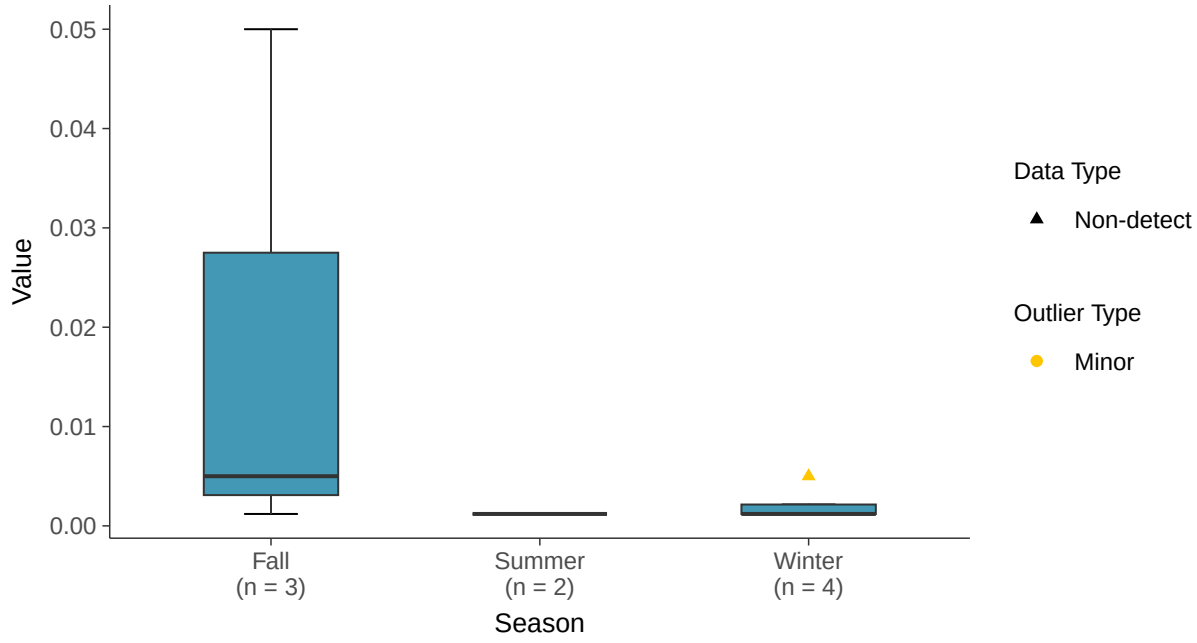
Boxplot

Chromium, MW-17C (mg/l)



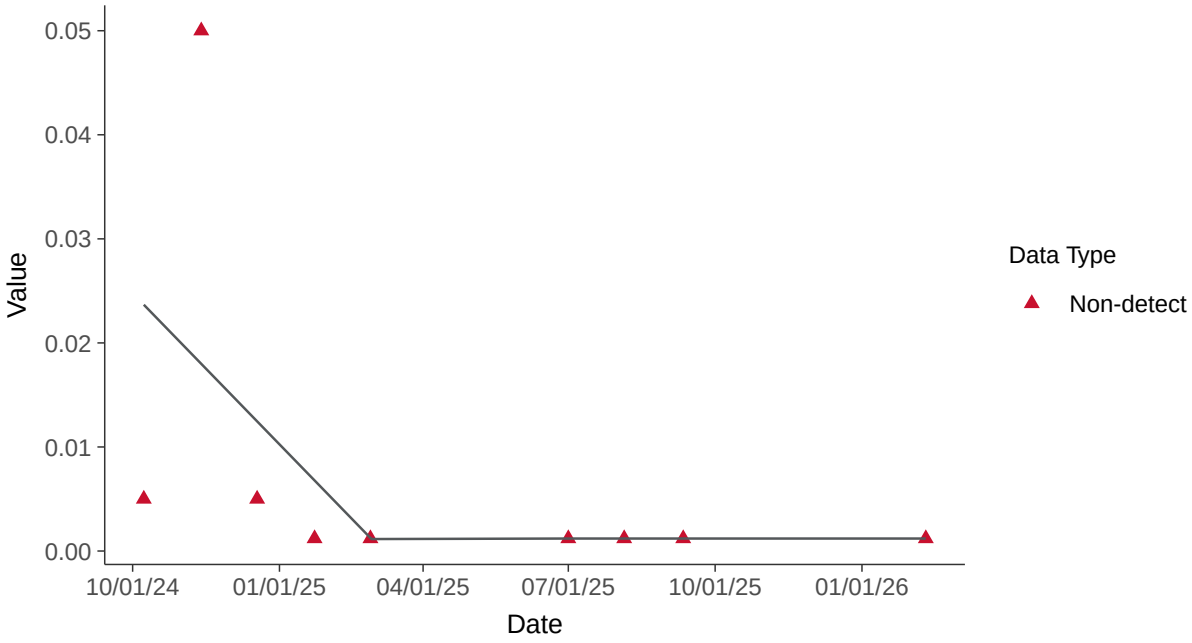
Boxplot by Season

Chromium, MW-17C (mg/l)



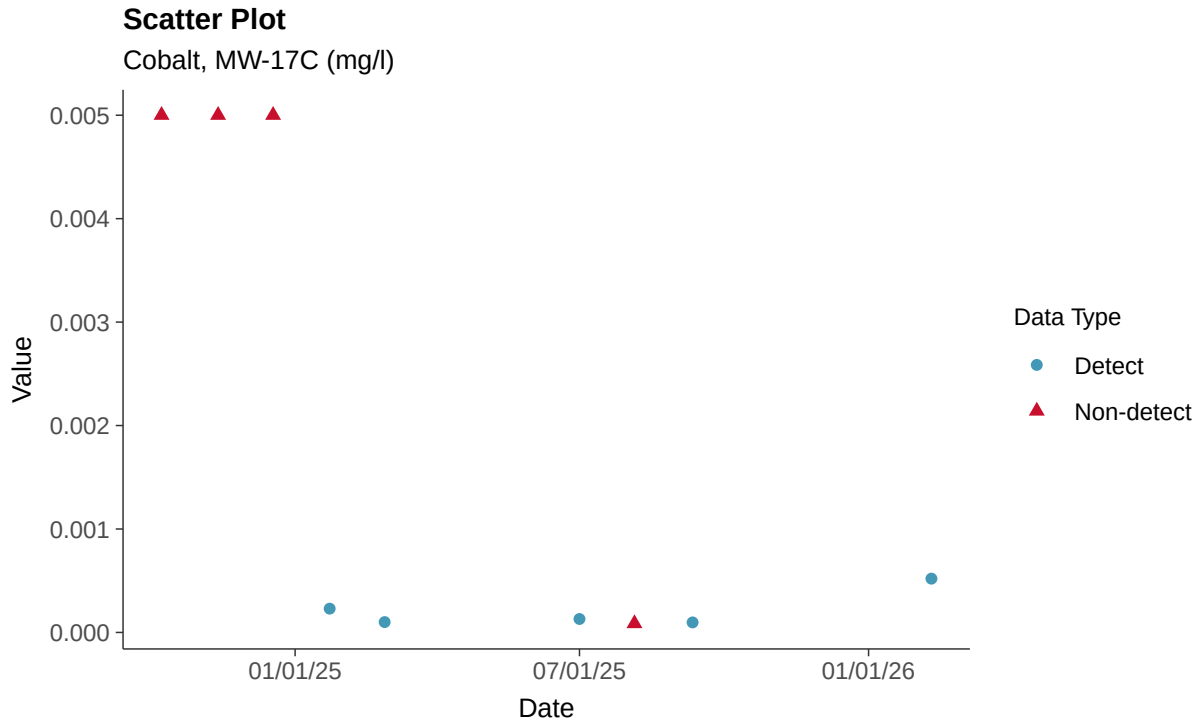
Trend Regression: Piecewise Linear-Linear

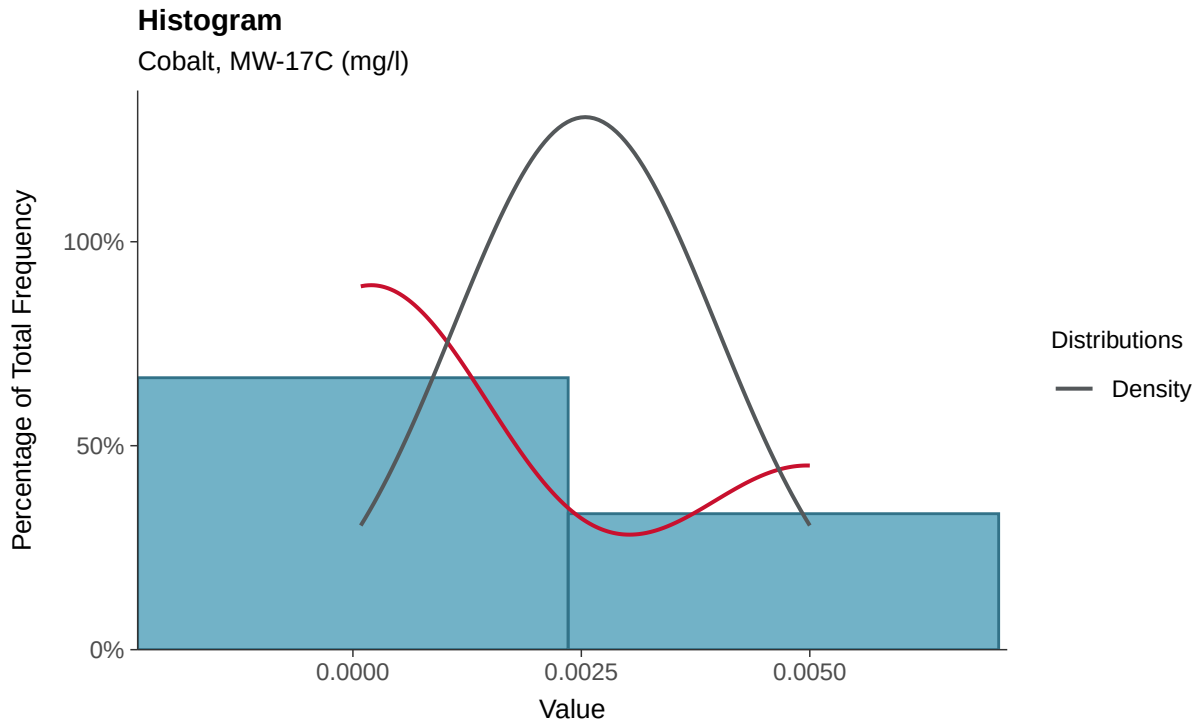
Chromium, MW-17C (mg/l)



Appendix IV: Cobalt, MW-17C

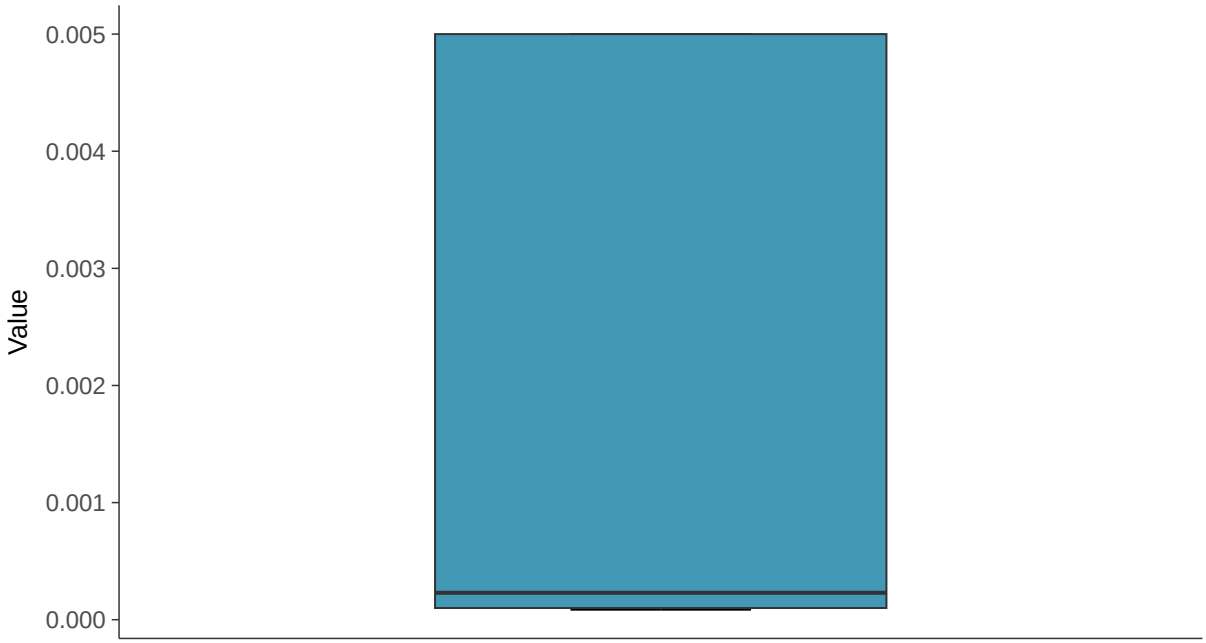
ID: 27_3_110





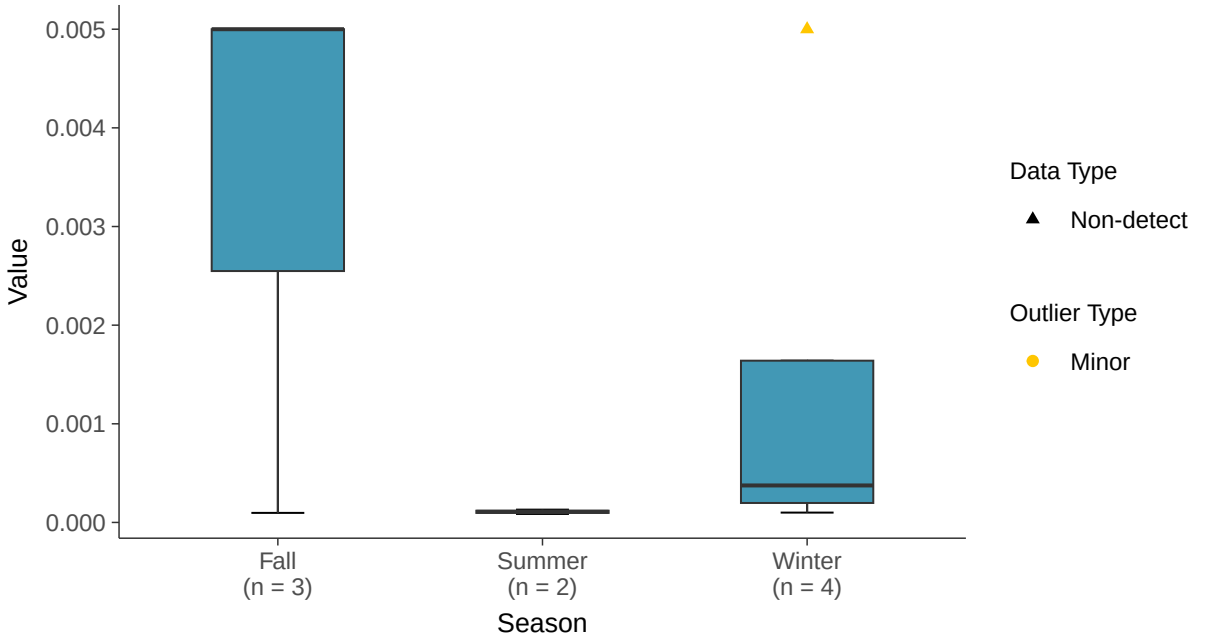
Boxplot

Cobalt, MW-17C (mg/l)



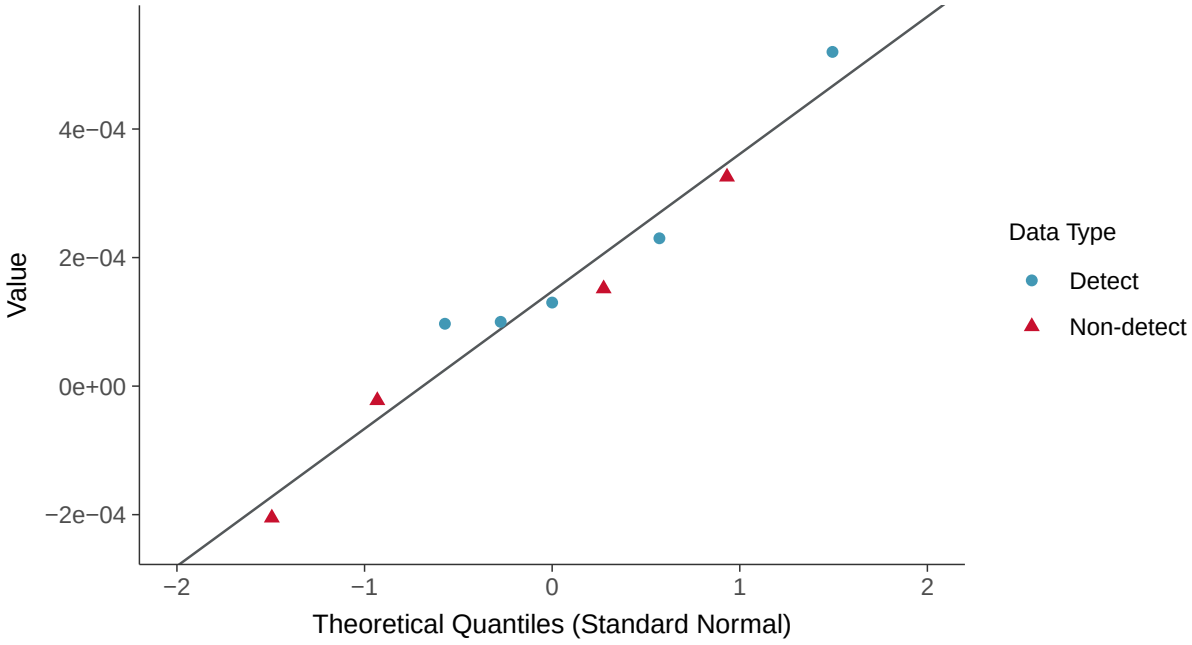
Boxplot by Season

Cobalt, MW-17C (mg/l)



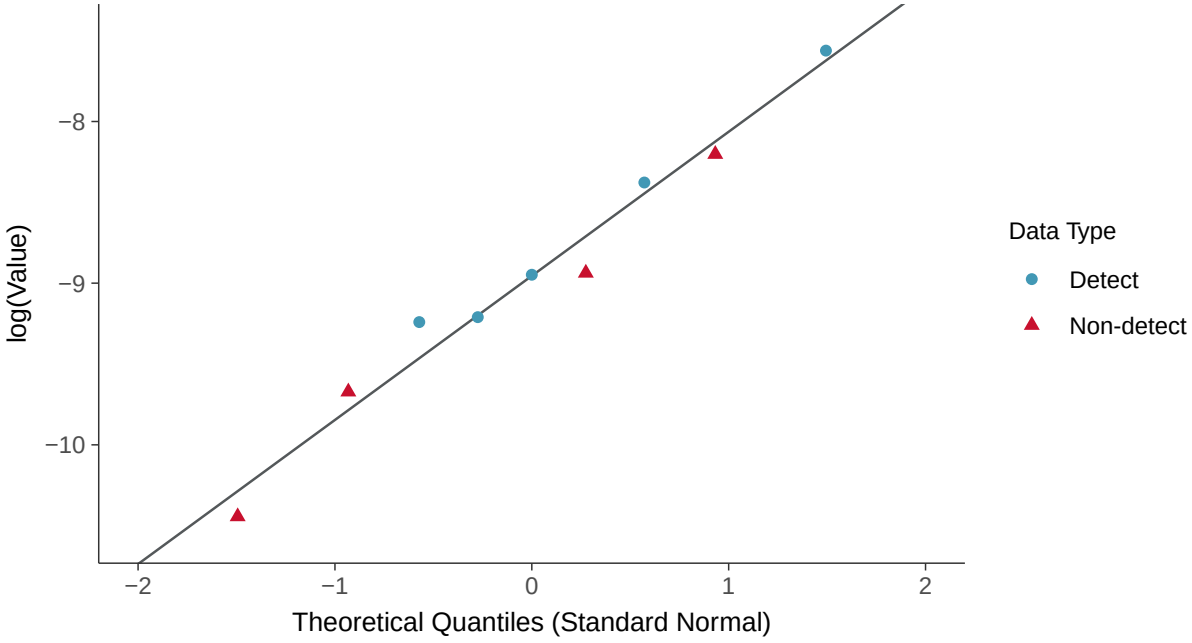
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-17C (mg/l)



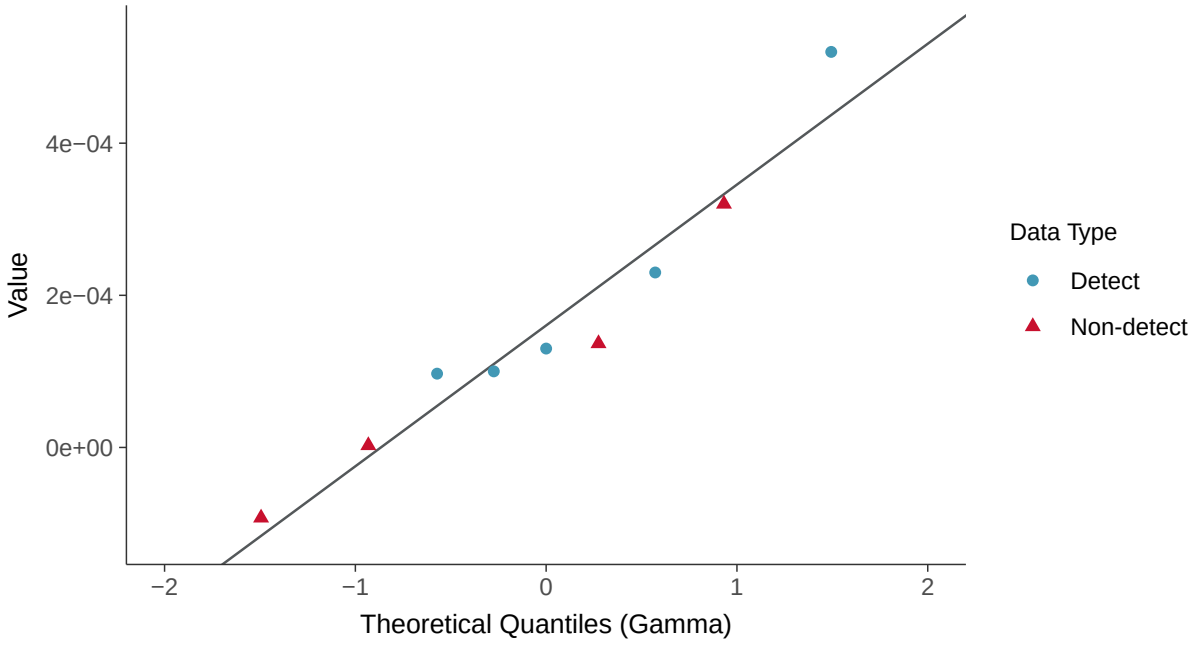
Lognormal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-17C (mg/l)



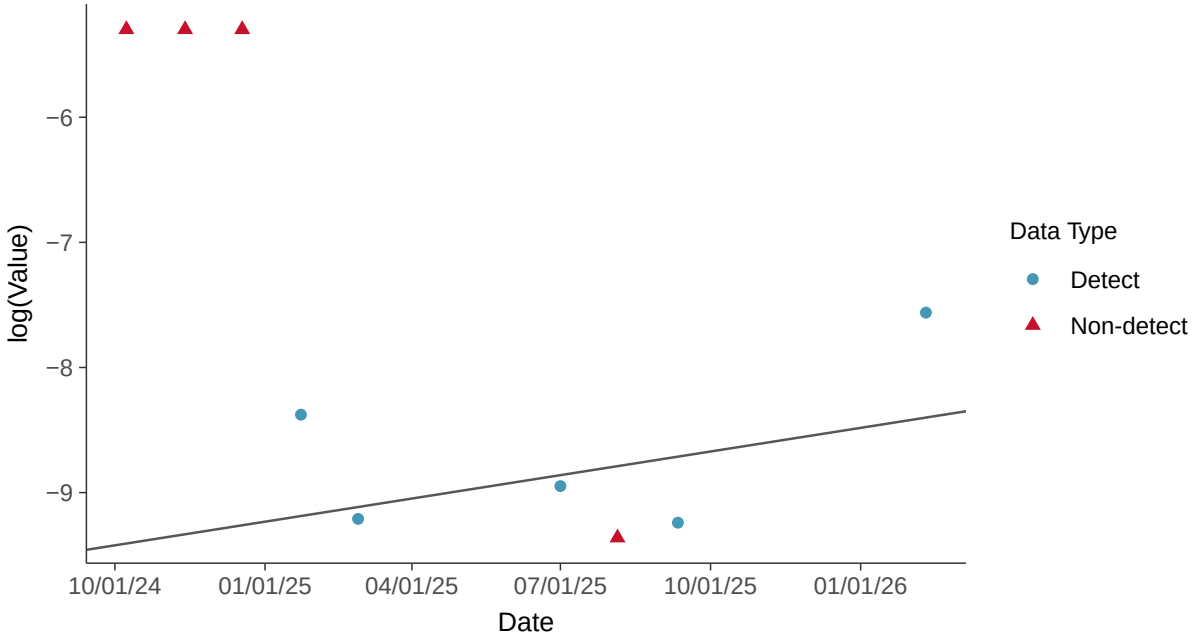
Gamma Q-Q plot using ROS Imputed Estimates

Cobalt, MW-17C (mg/l)



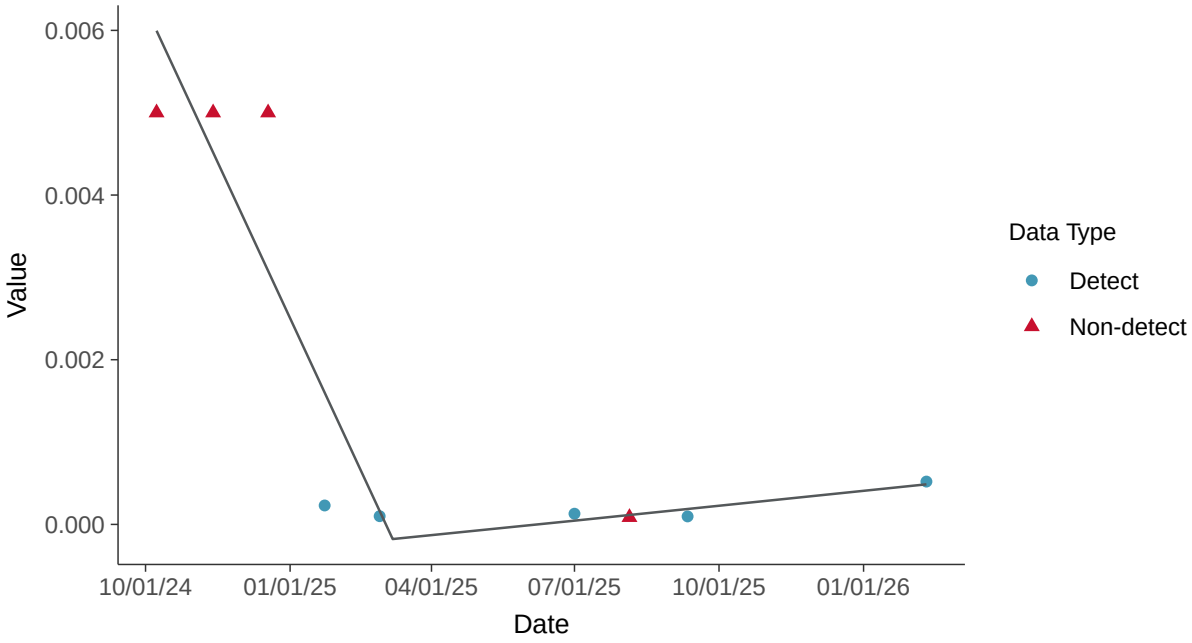
Trend Regression: Lognormal MLE

Cobalt, MW-17C (mg/l)



Trend Regression: Piecewise Linear-Linear

Cobalt, MW-17C (mg/l)

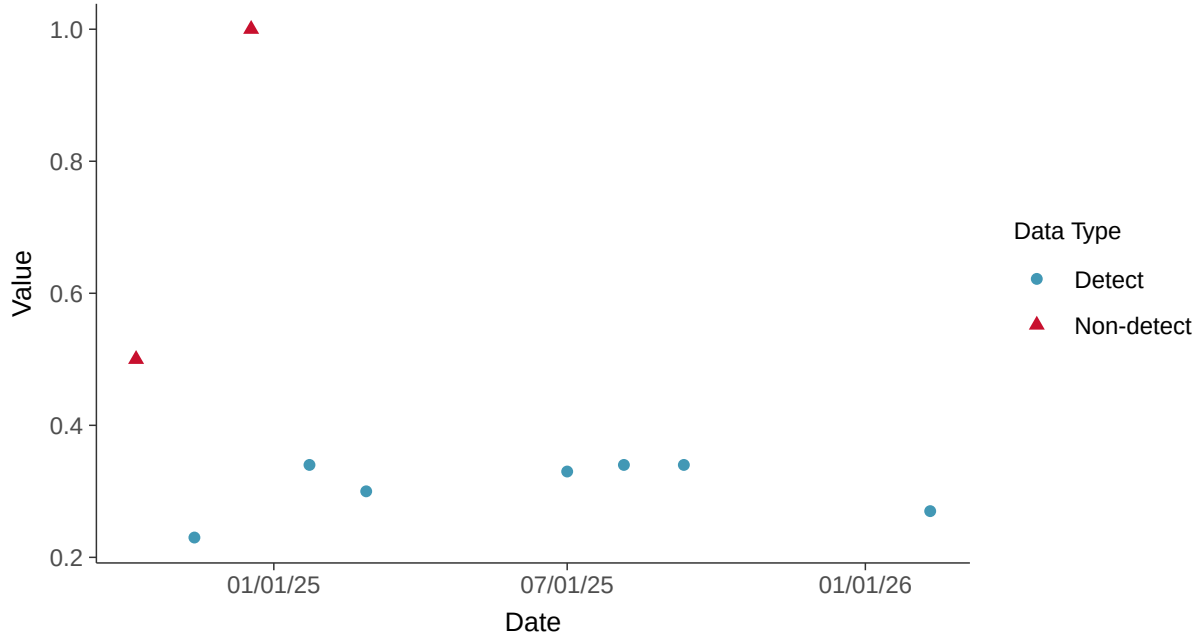


Appendix IV: Fluoride (App IV), MW-17C

ID: 27_3_113

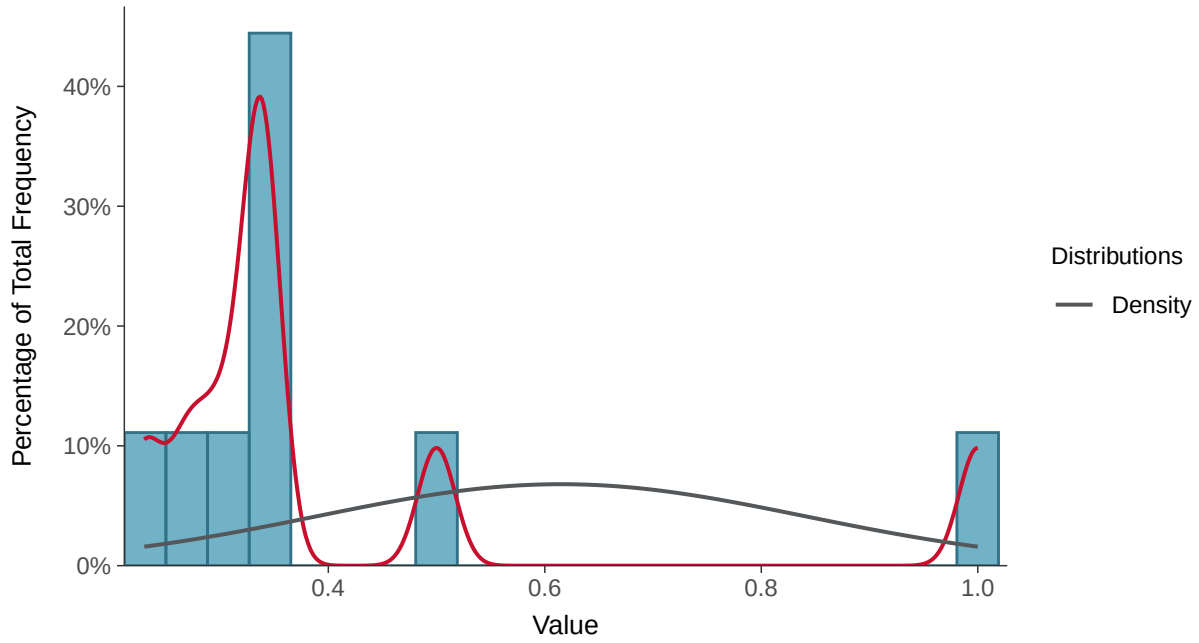
Scatter Plot

Fluoride (App IV), MW-17C (mg/l)



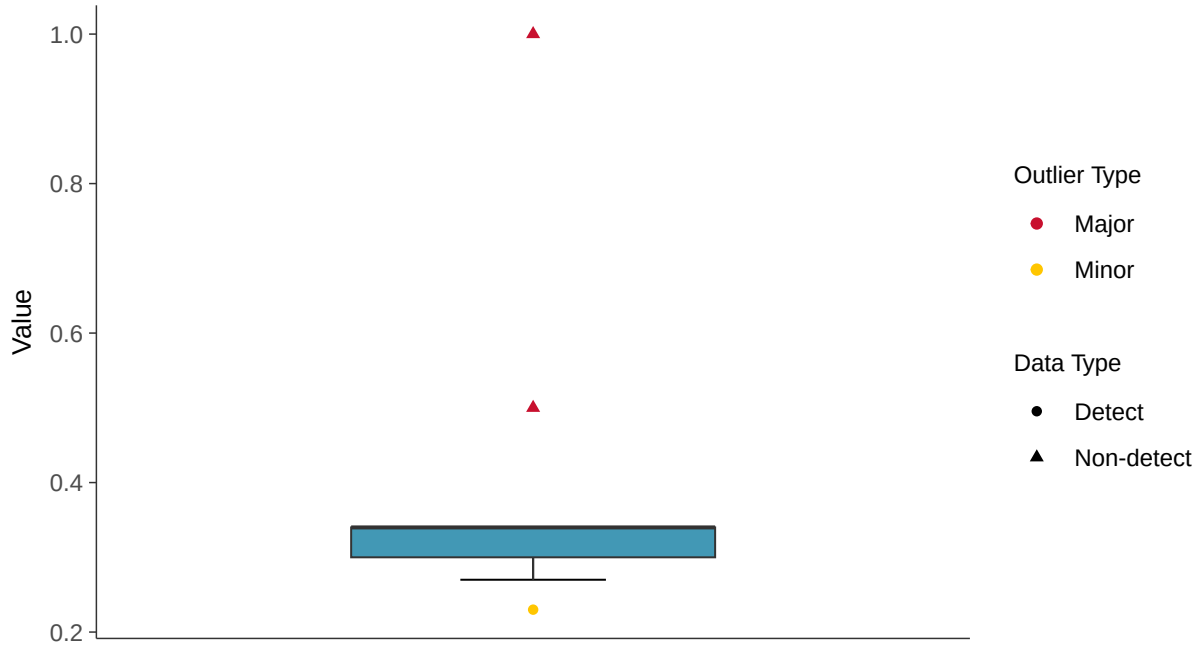
Histogram

Fluoride (App IV), MW-17C (mg/l)



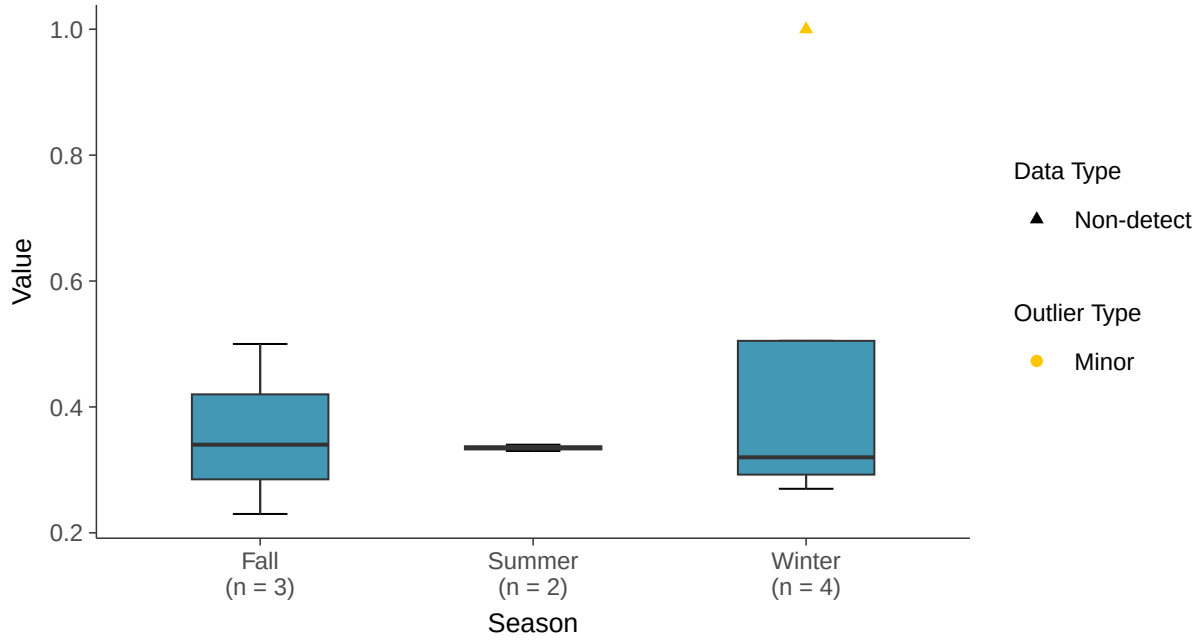
Boxplot

Fluoride (App IV), MW-17C (mg/l)



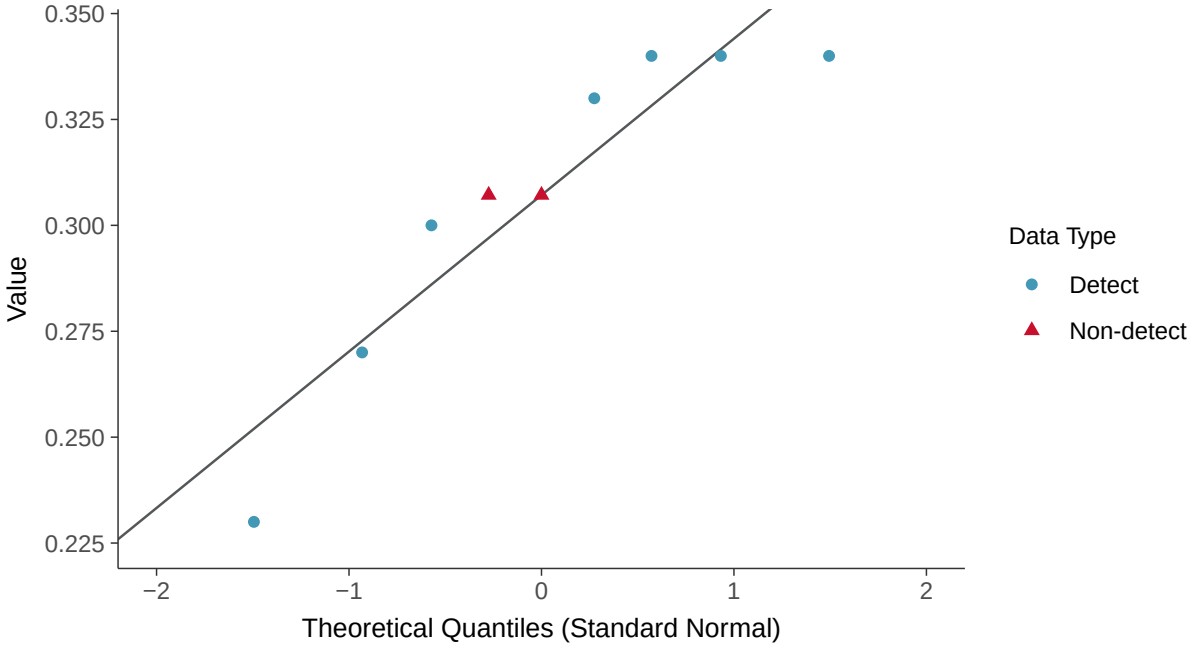
Boxplot by Season

Fluoride (App IV), MW-17C (mg/l)



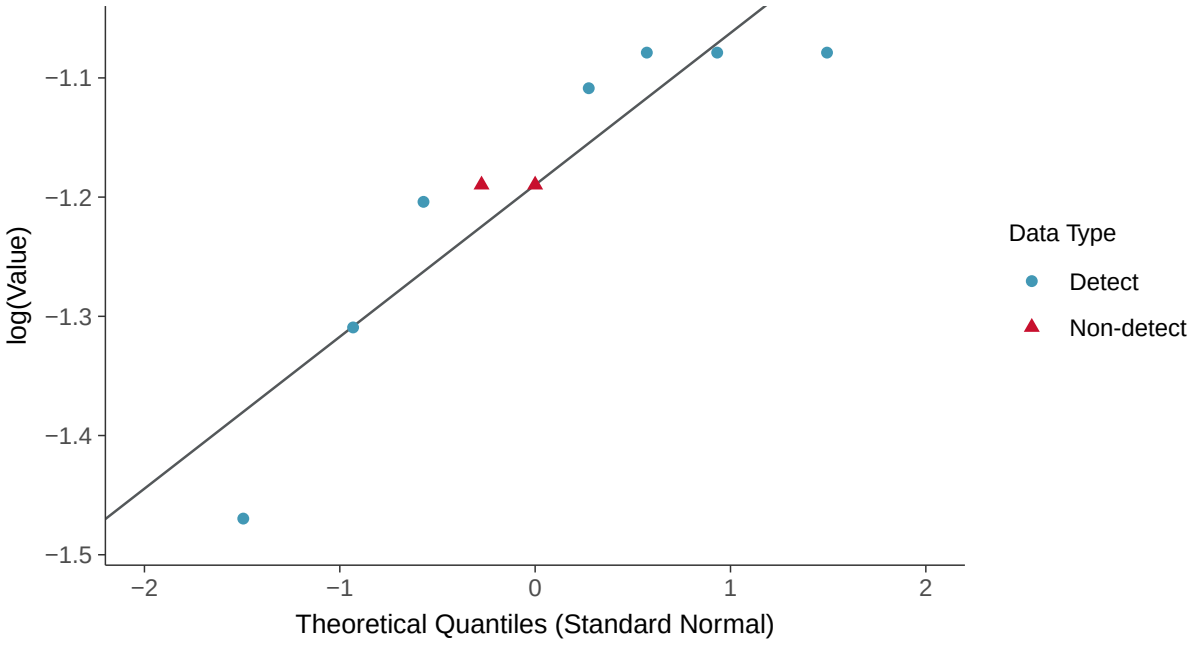
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-17C (mg/l)



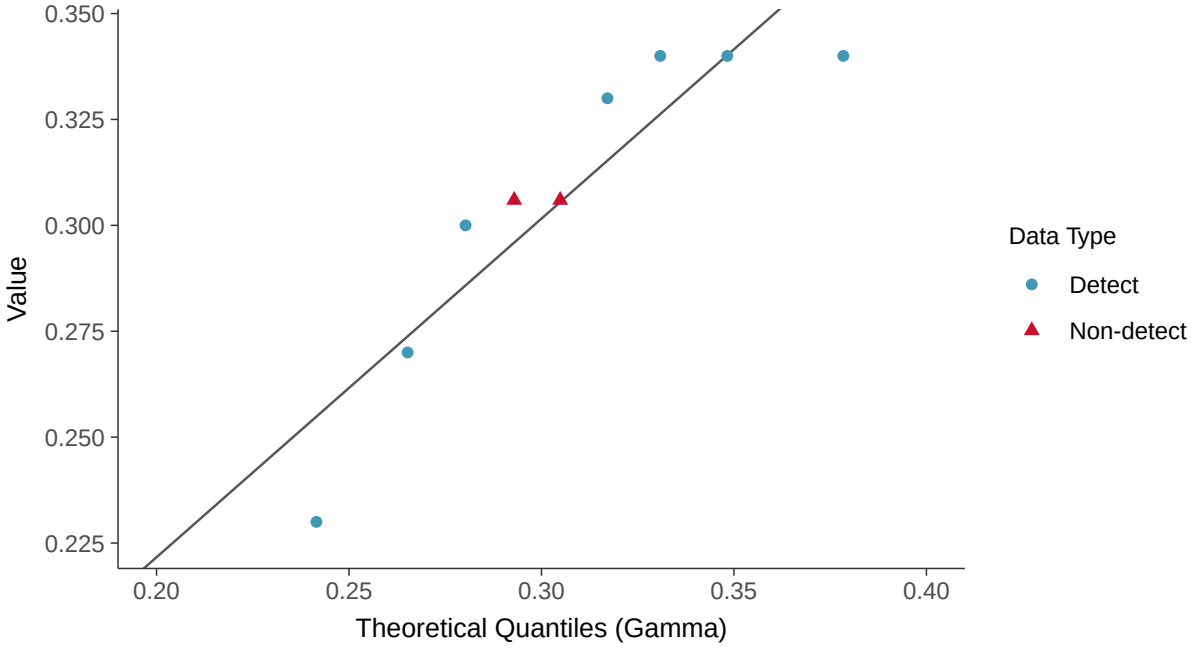
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-17C (mg/l)



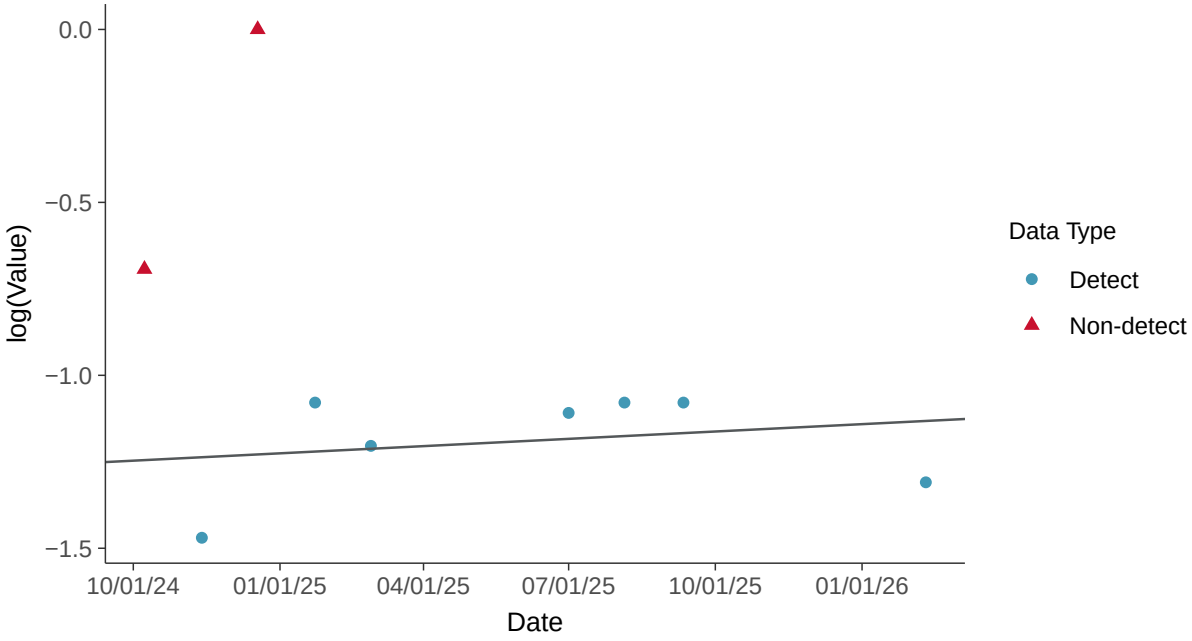
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-17C (mg/l)



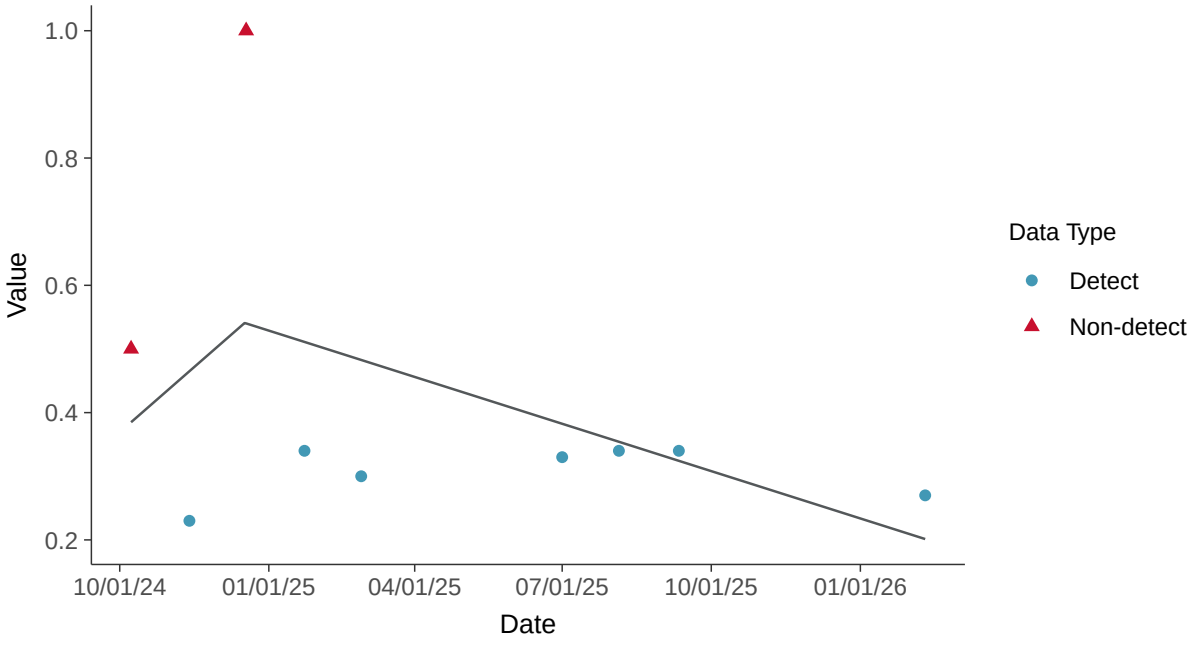
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-17C (mg/l)



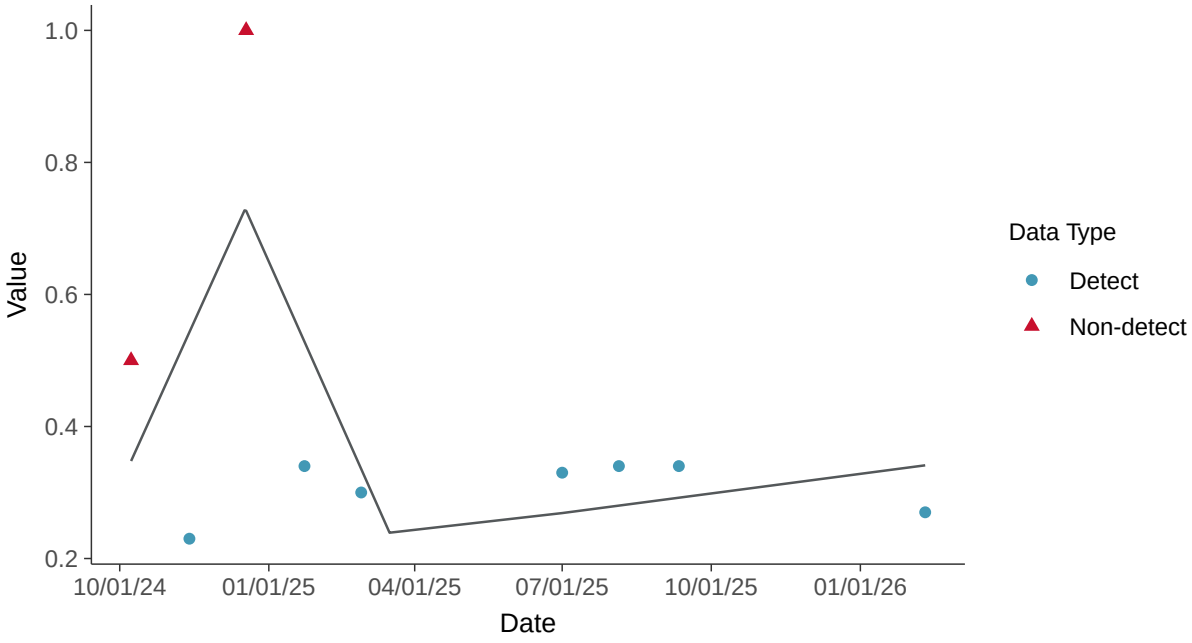
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-17C (mg/l)



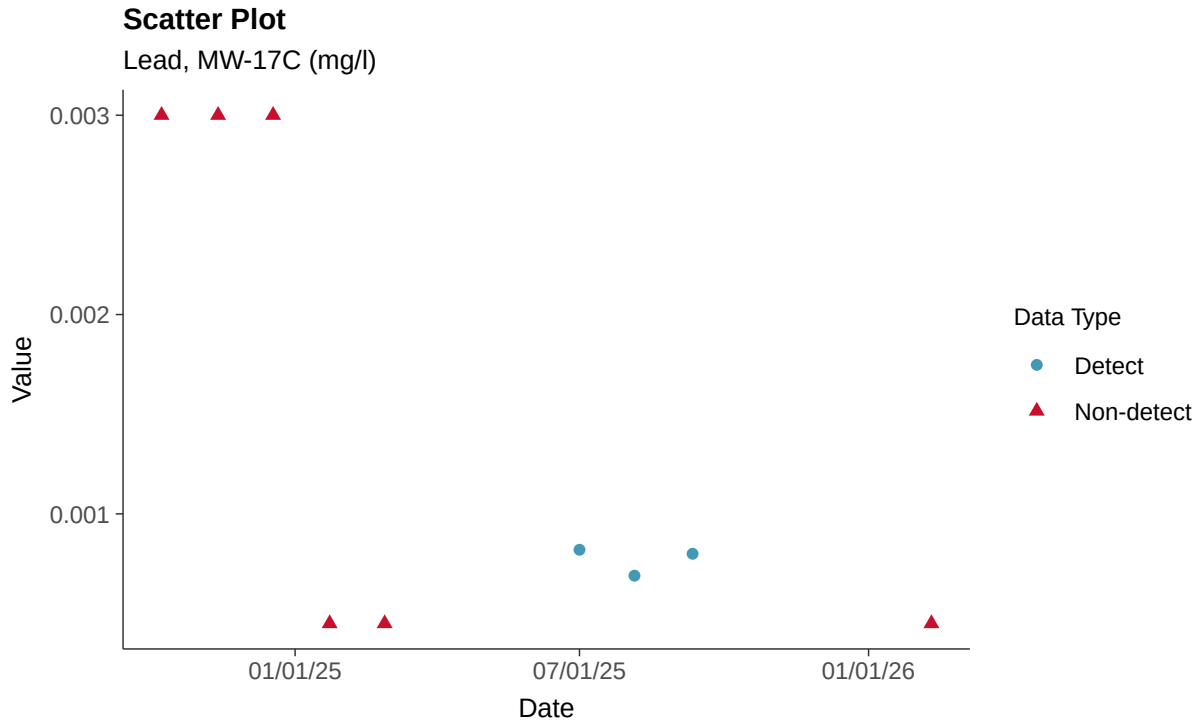
Trend Regression: Piecewise Linear-Linear-Linear

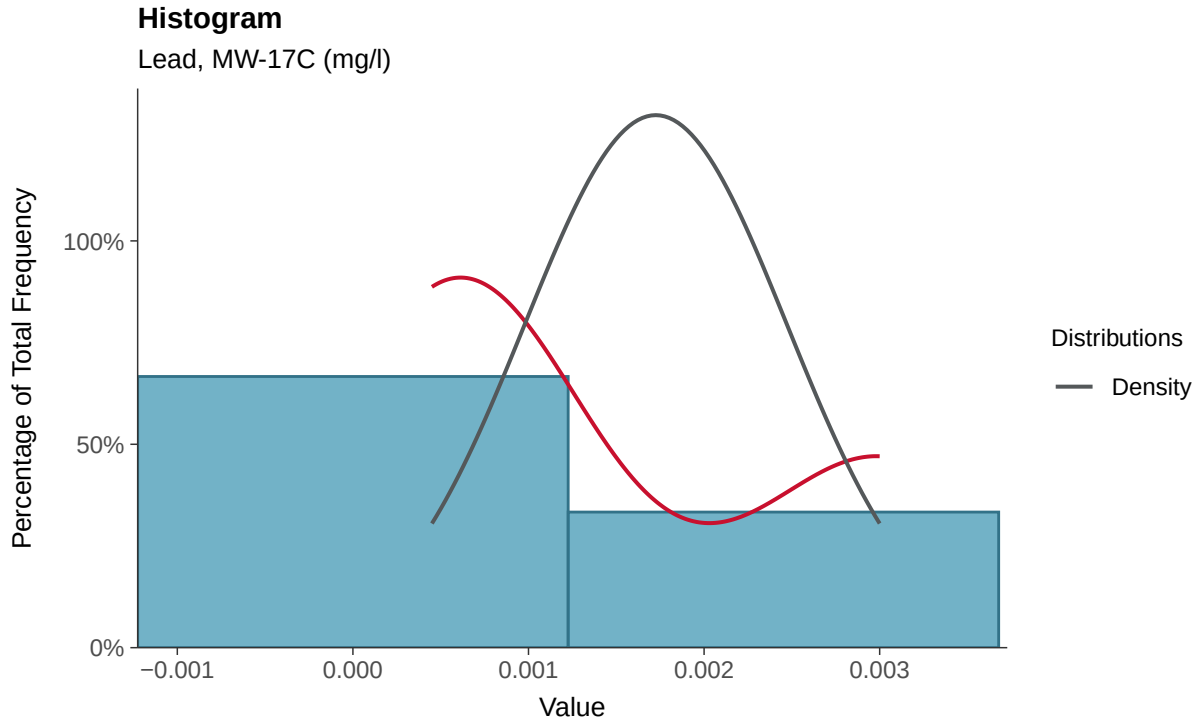
Fluoride (App IV), MW-17C (mg/l)



Appendix IV: Lead, MW-17C

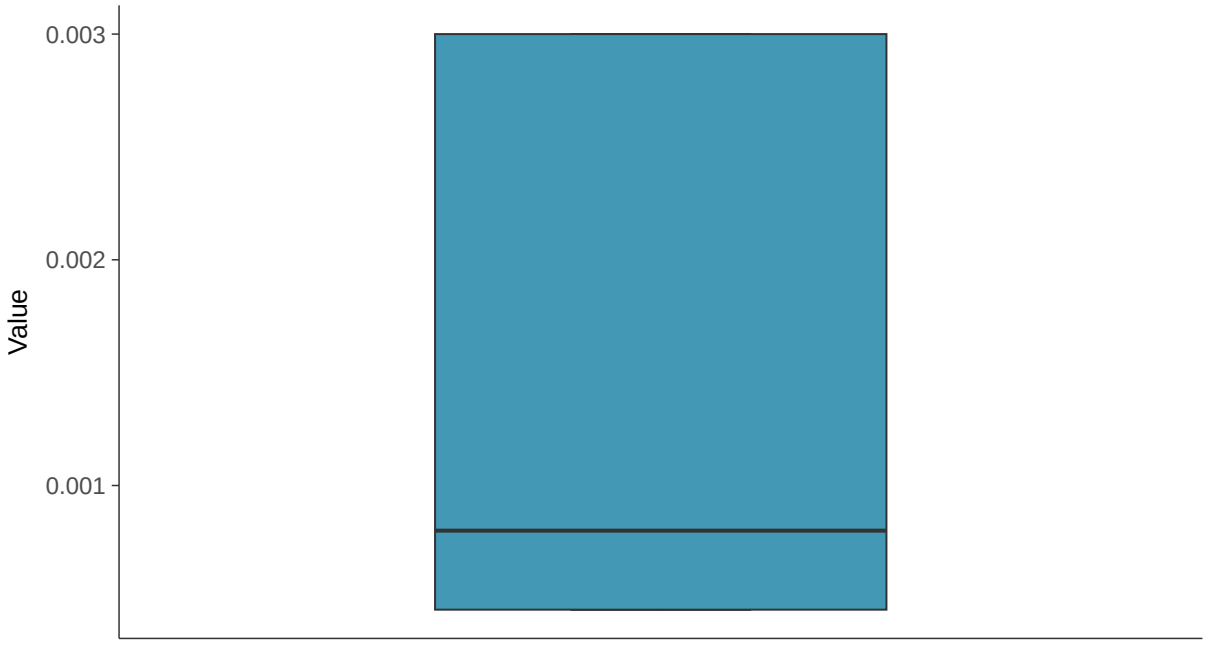
ID: 27_3_115





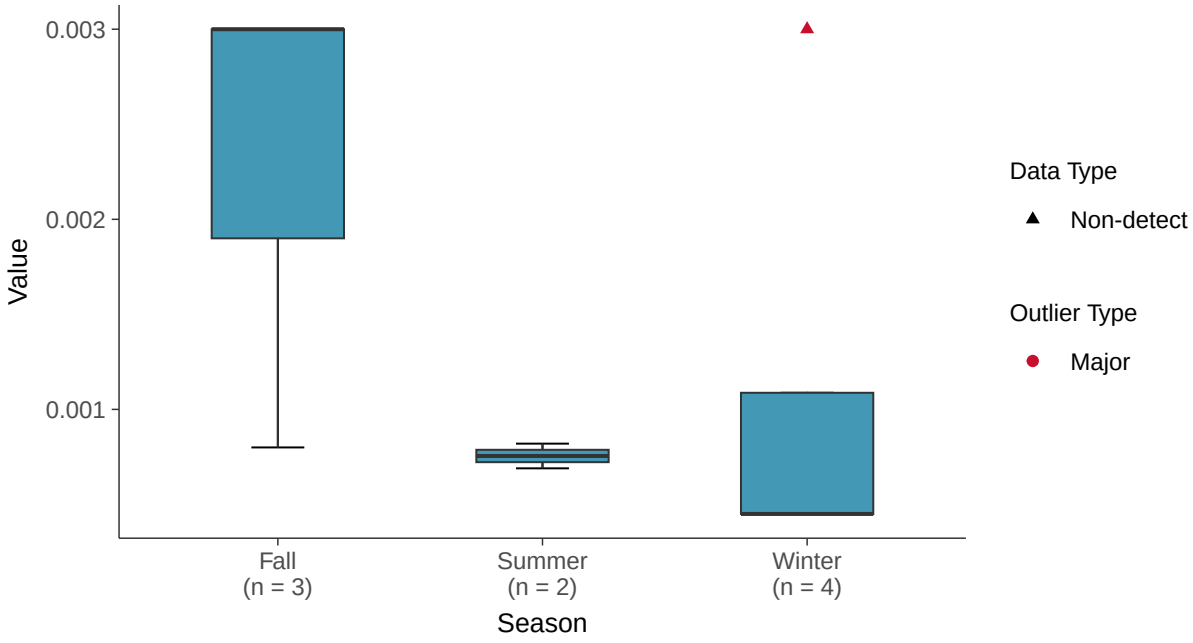
Boxplot

Lead, MW-17C (mg/l)



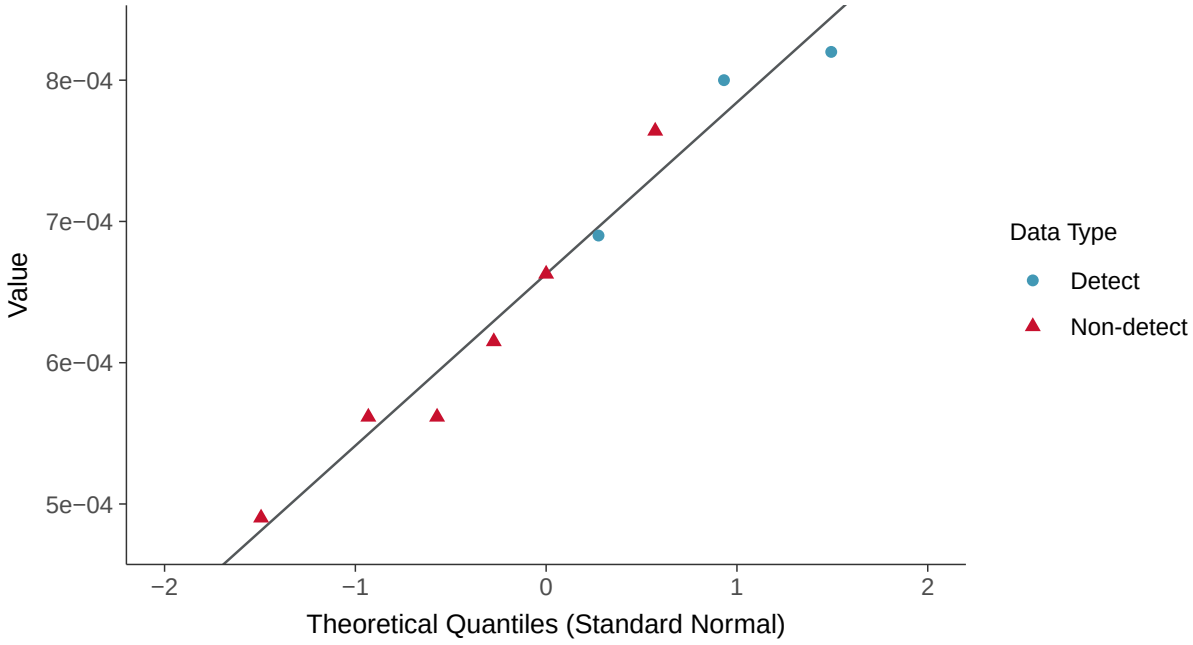
Boxplot by Season

Lead, MW-17C (mg/l)



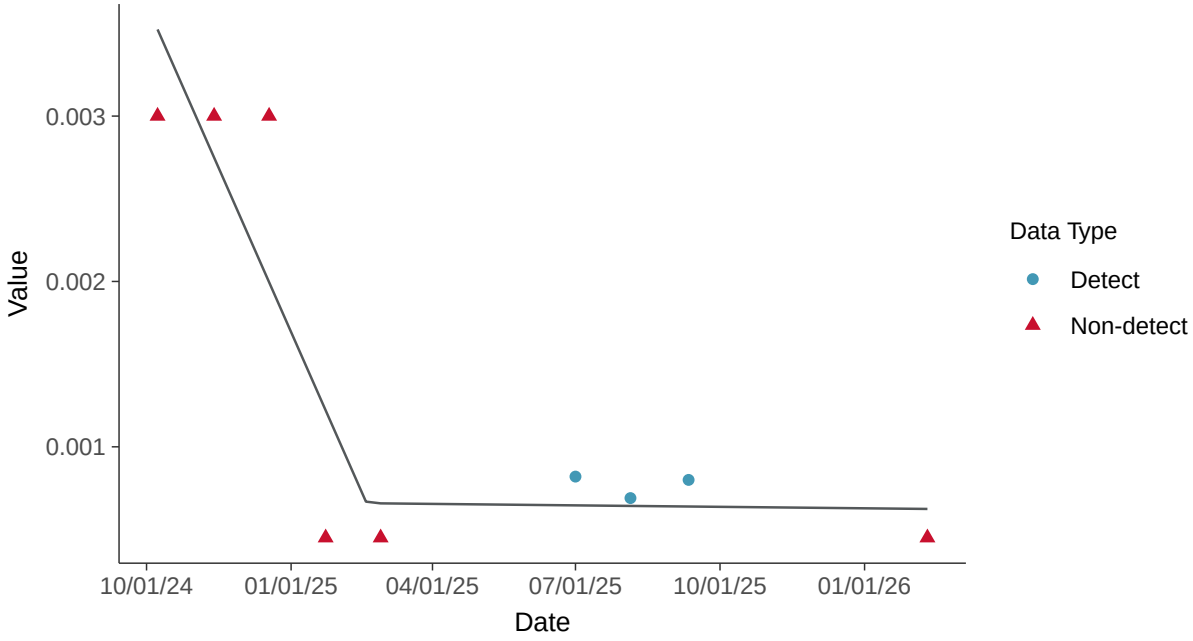
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-17C (mg/l)



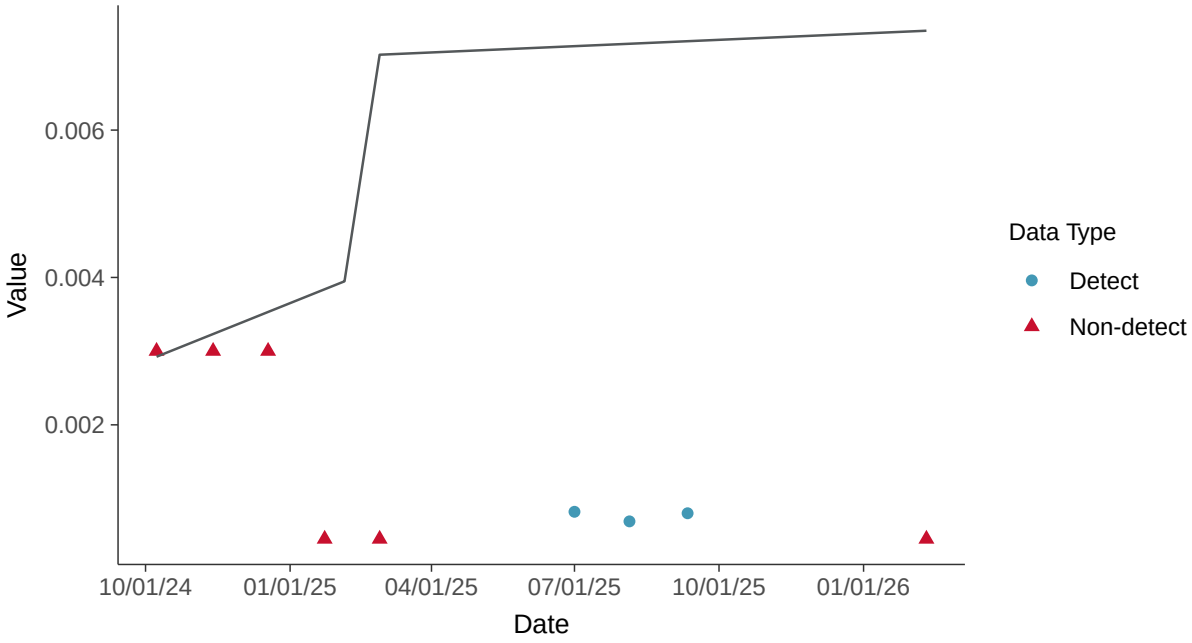
Trend Regression: Piecewise Linear-Linear

Lead, MW-17C (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Lead, MW-17C (mg/l)

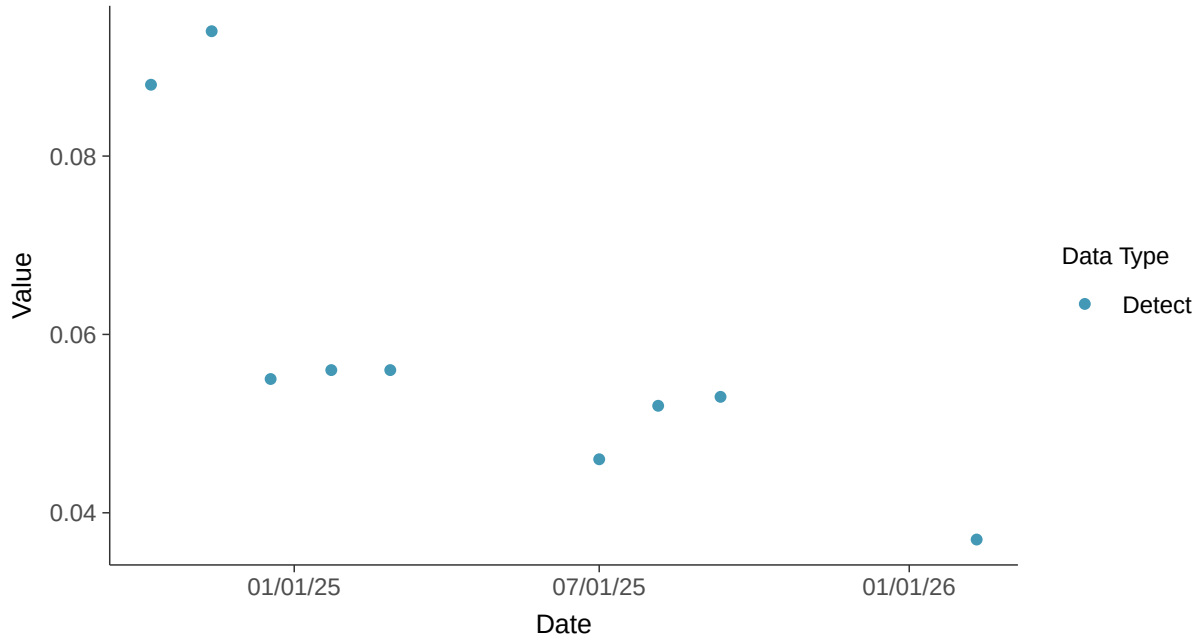


Appendix IV: Lithium, MW-17C

ID: 27_3_116

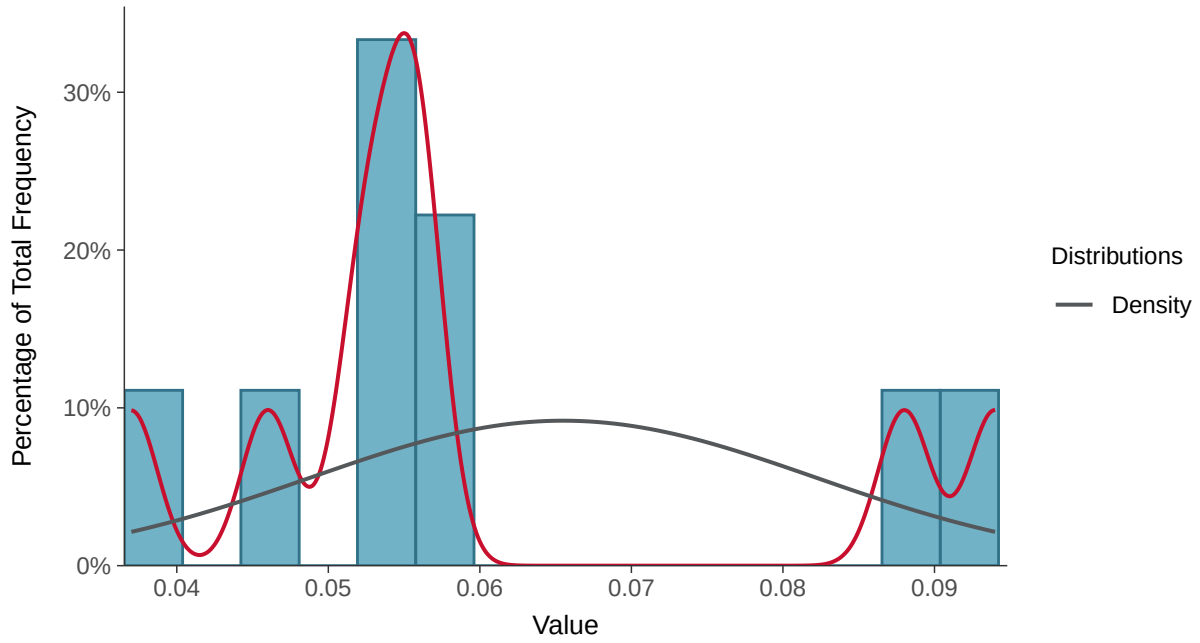
Scatter Plot

Lithium, MW-17C (mg/l)



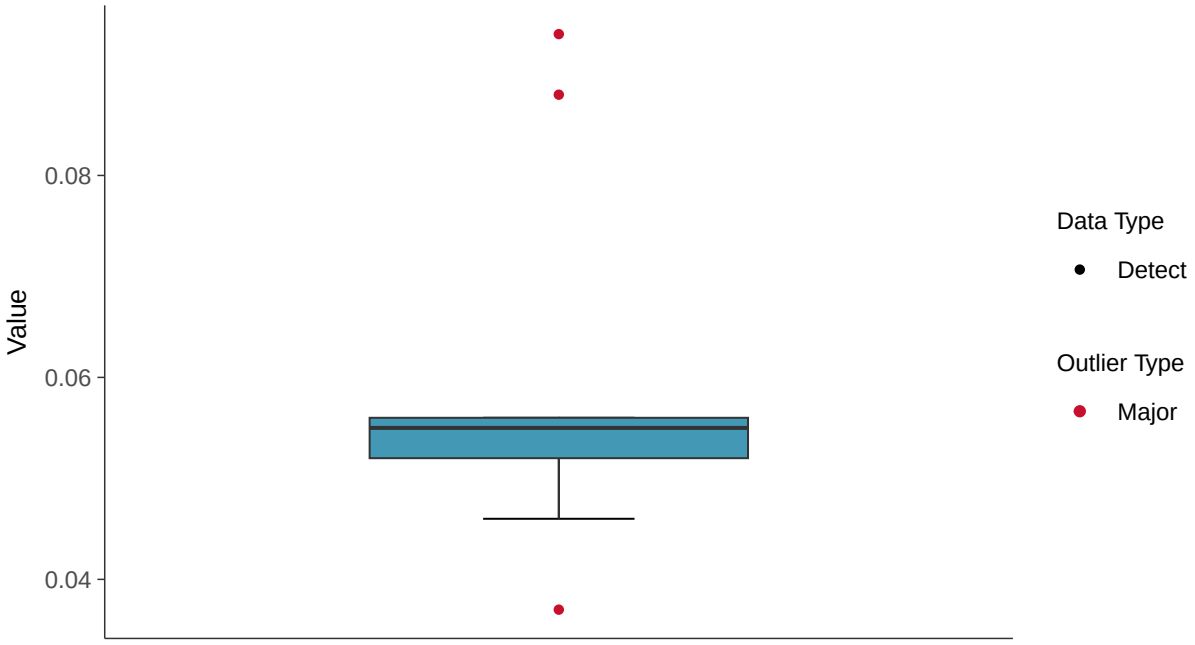
Histogram

Lithium, MW-17C (mg/l)



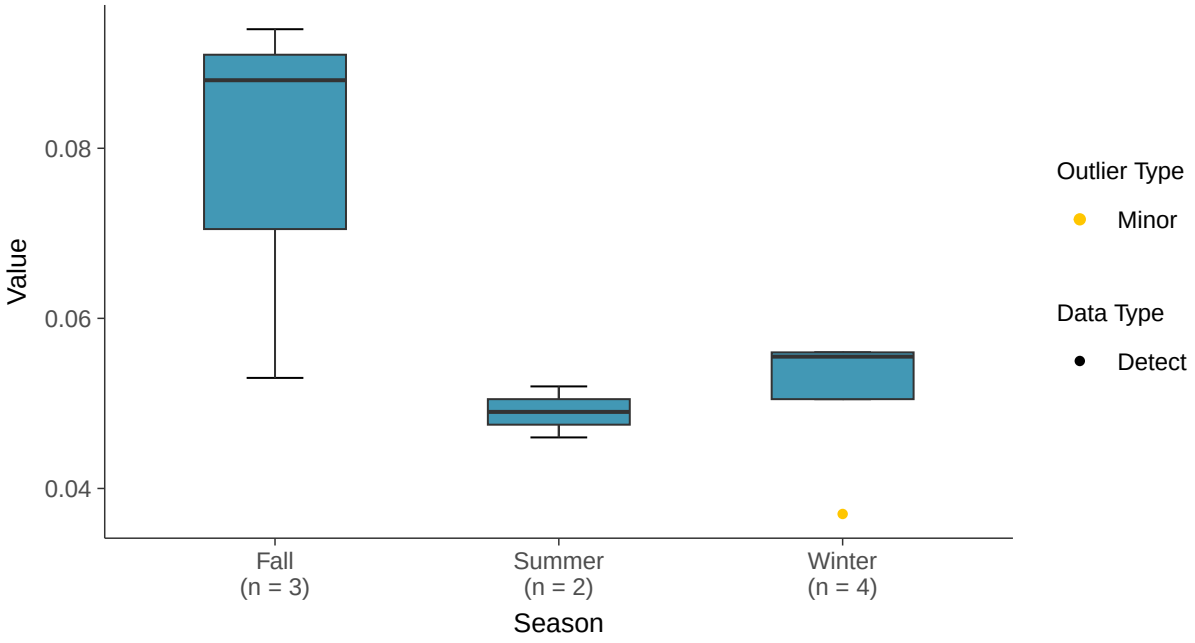
Boxplot

Lithium, MW-17C (mg/l)



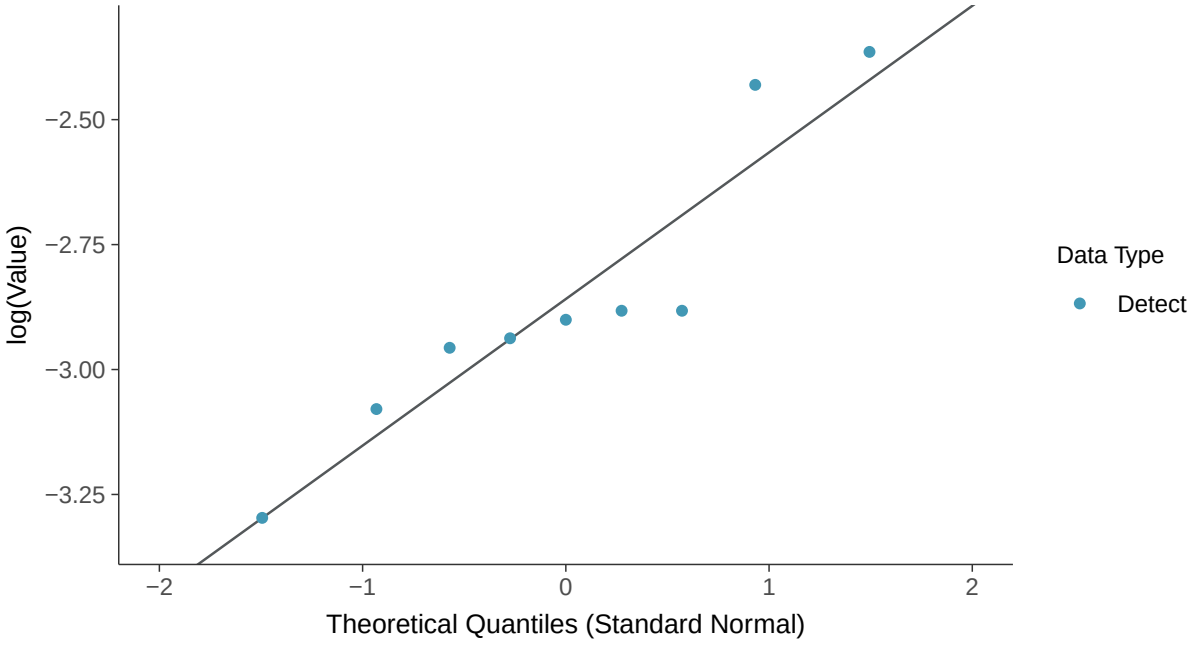
Boxplot by Season

Lithium, MW-17C (mg/l)



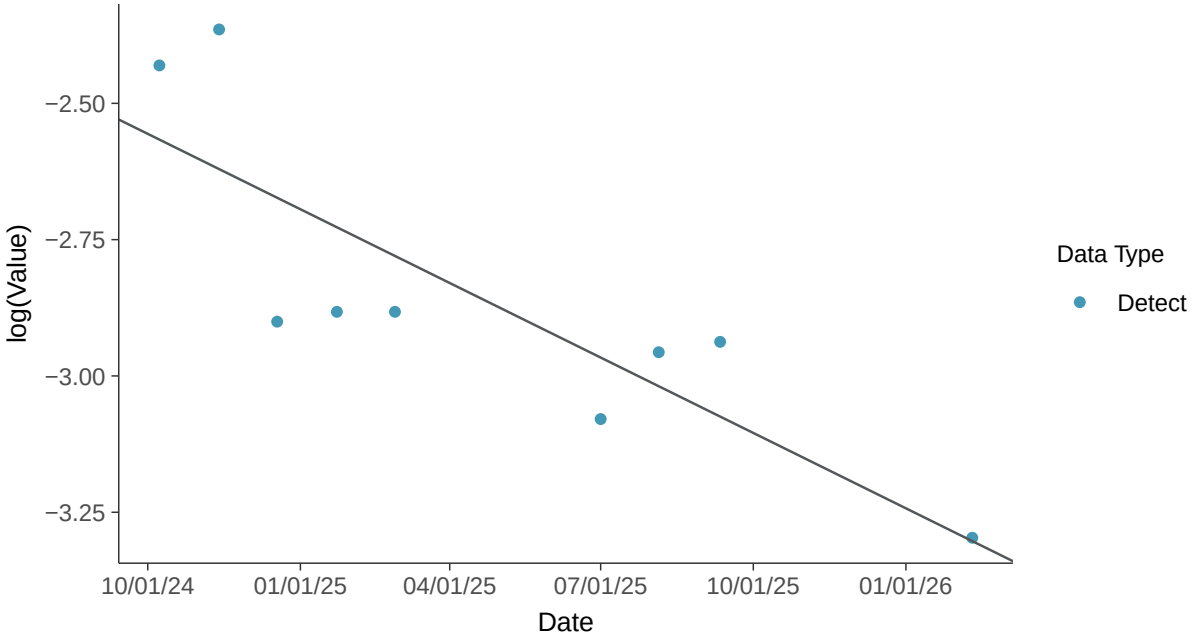
Lognormal Q-Q plot

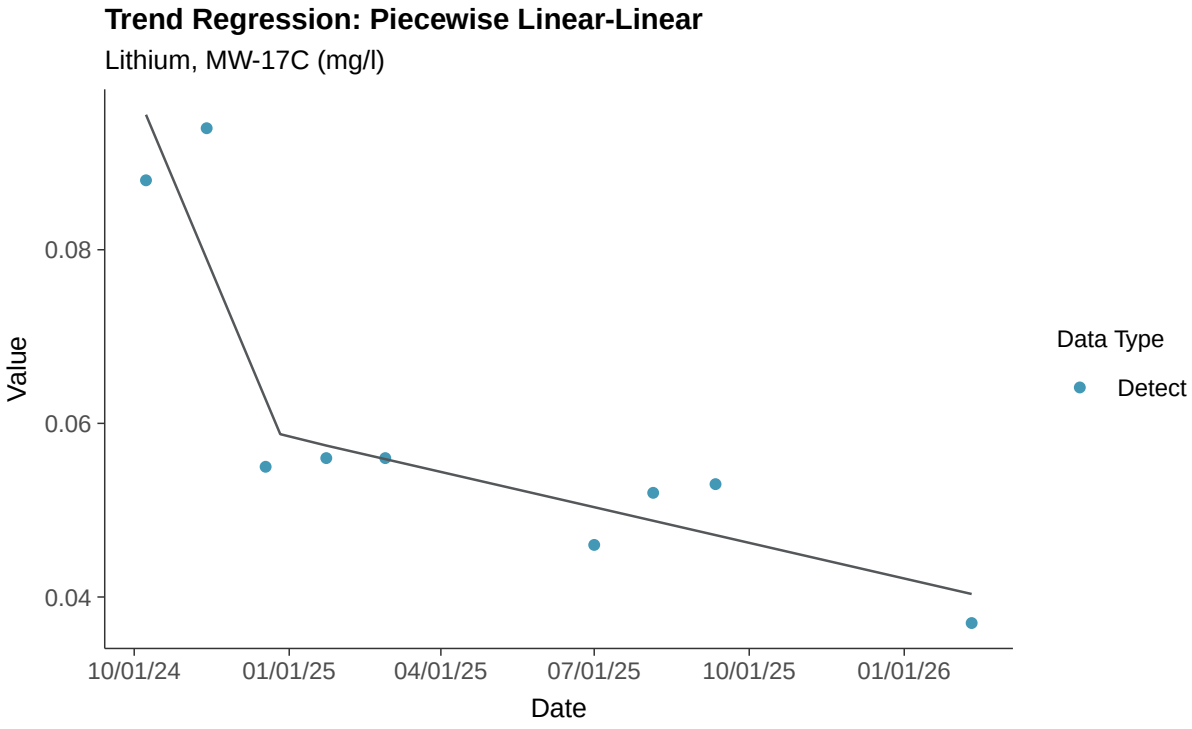
Lithium, MW-17C (mg/l)



Trend Regression: Lognormal MLE

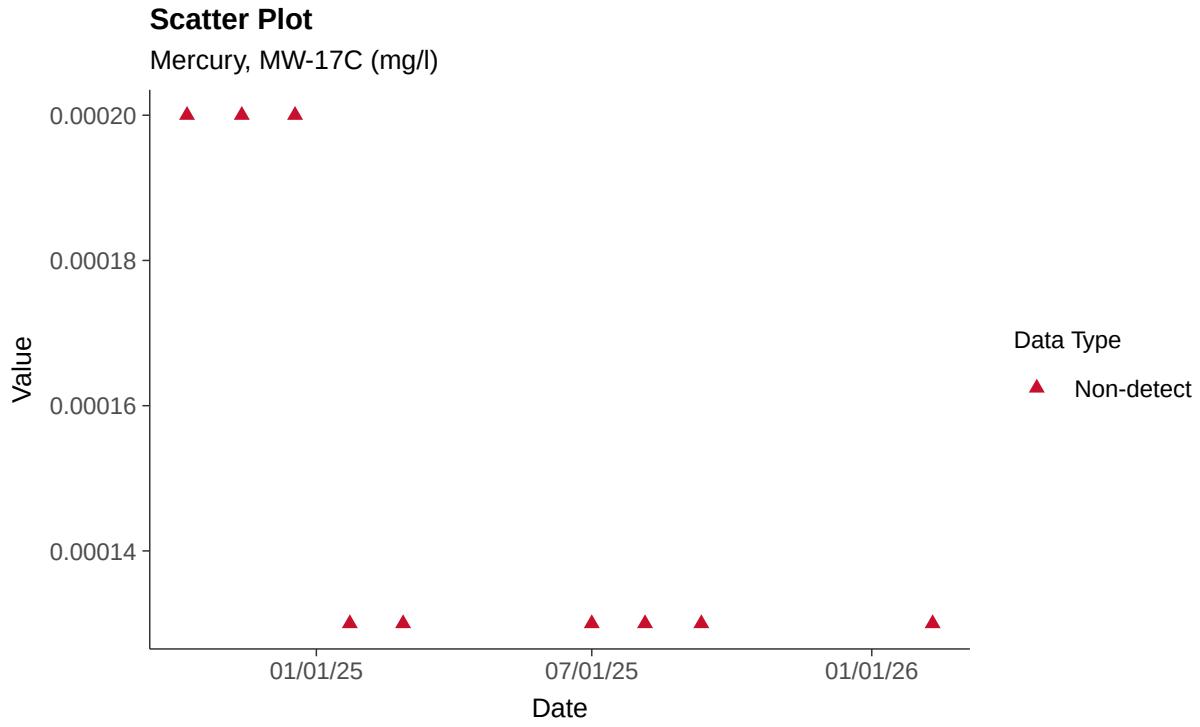
Lithium, MW-17C (mg/l)

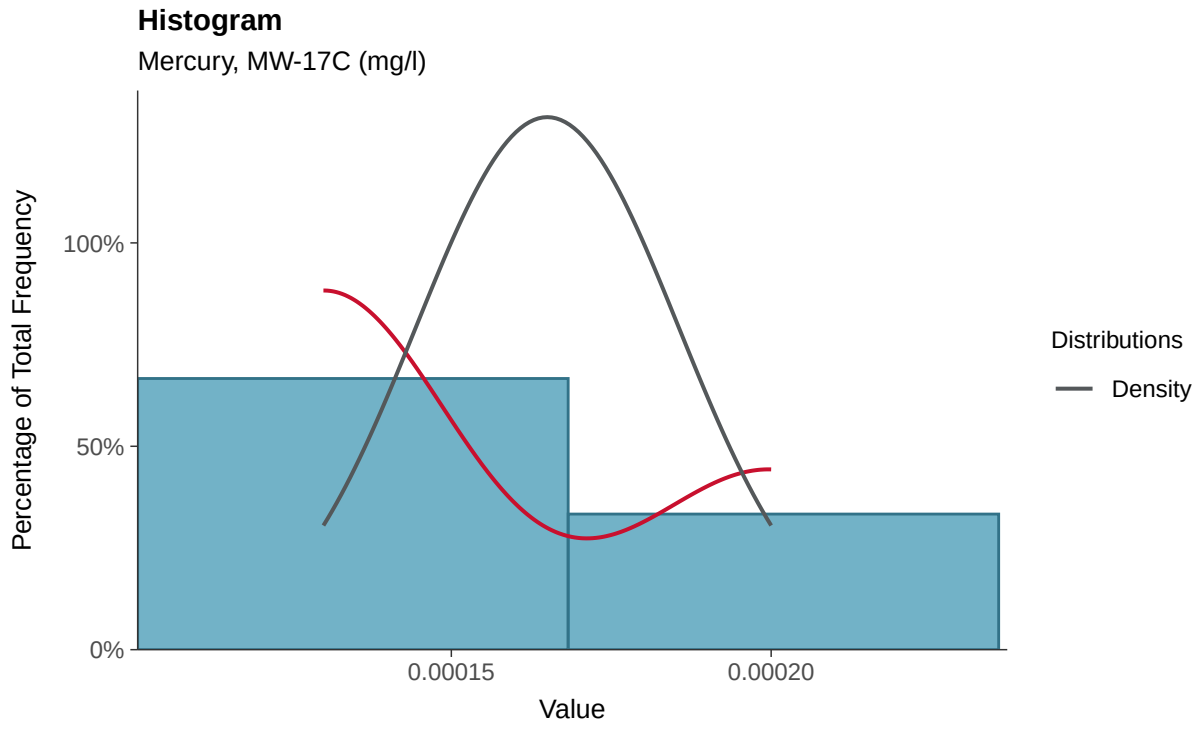



Trend Regression: Piecewise Linear-Linear
Lithium, MW-17C (mg/l)
Value
0.08
0.06
0.04
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Mercury, MW-17C

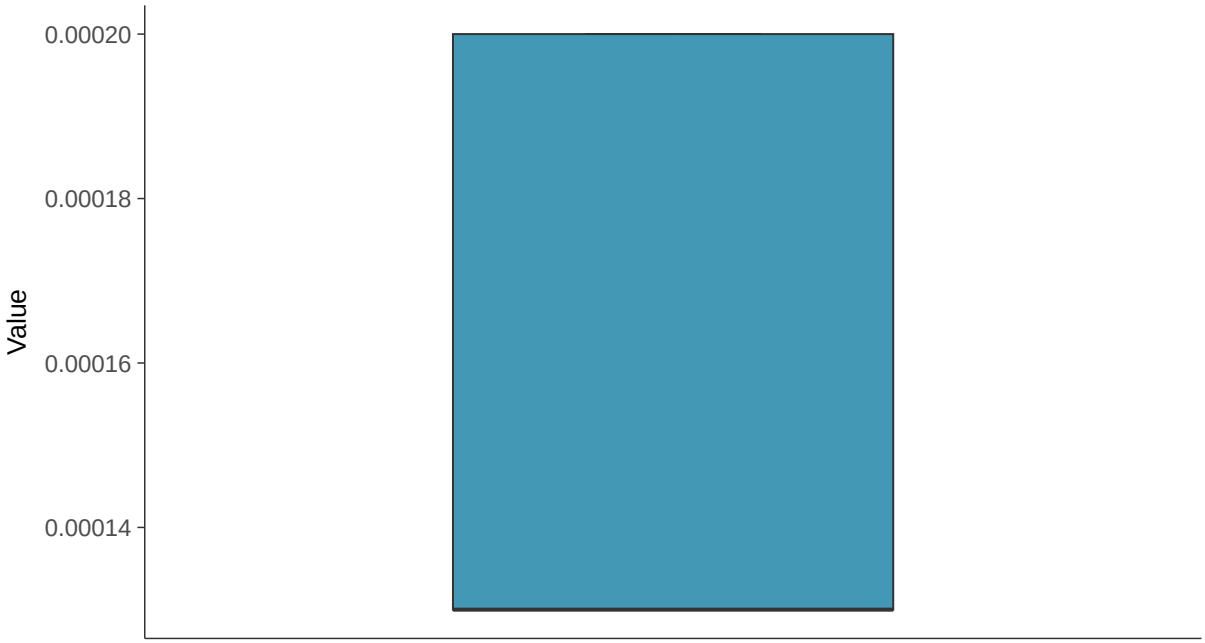
ID: 27_3_117





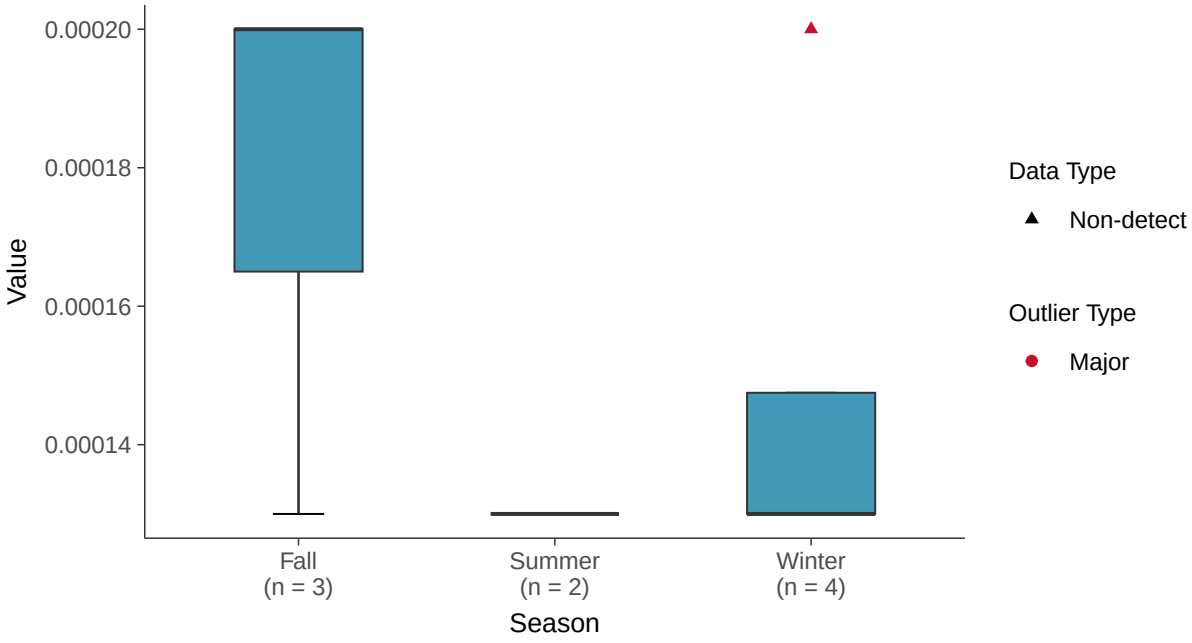
Boxplot

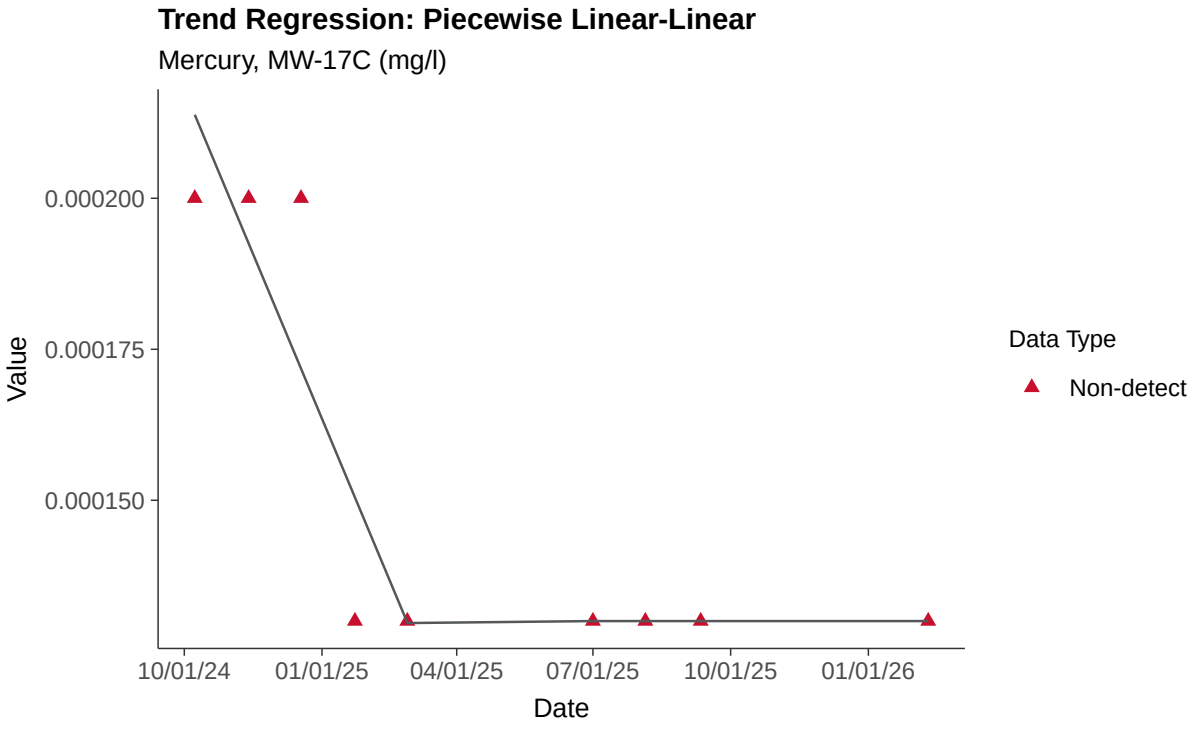
Mercury, MW-17C (mg/l)



Boxplot by Season

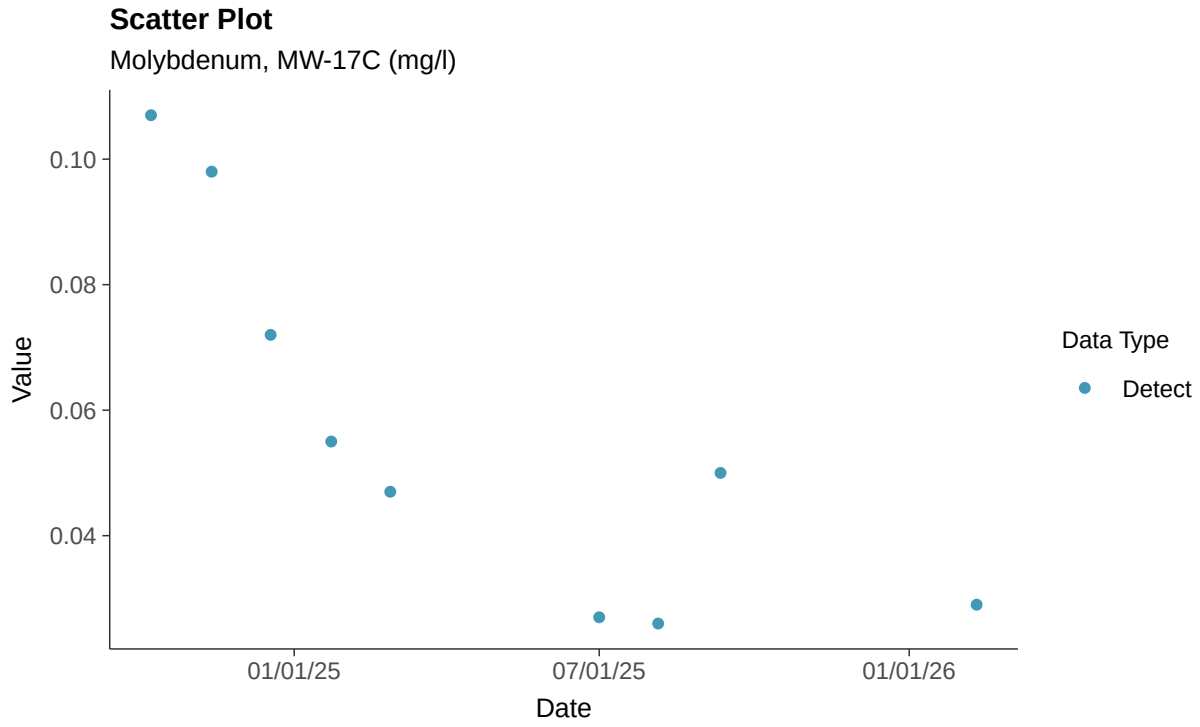
Mercury, MW-17C (mg/l)

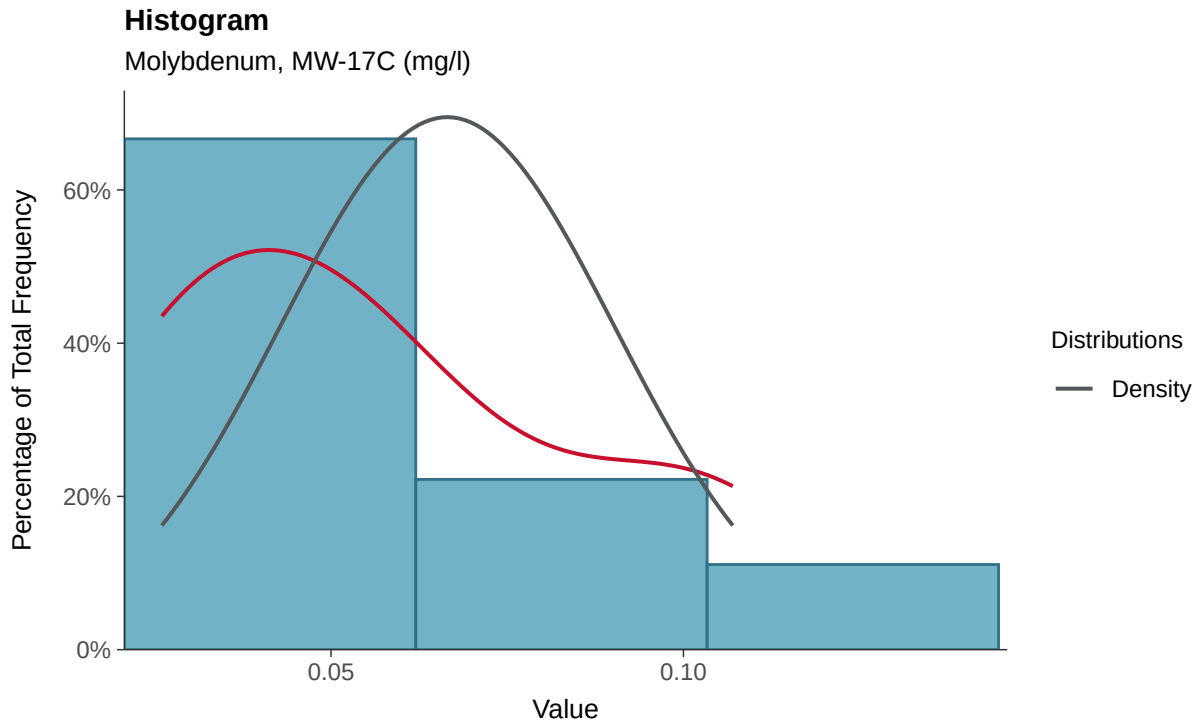



Trend Regression: Piecewise Linear-Linear
Mercury, MW-17C (mg/l)
Value
0.000200
0.000175
0.000150
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Molybdenum, MW-17C

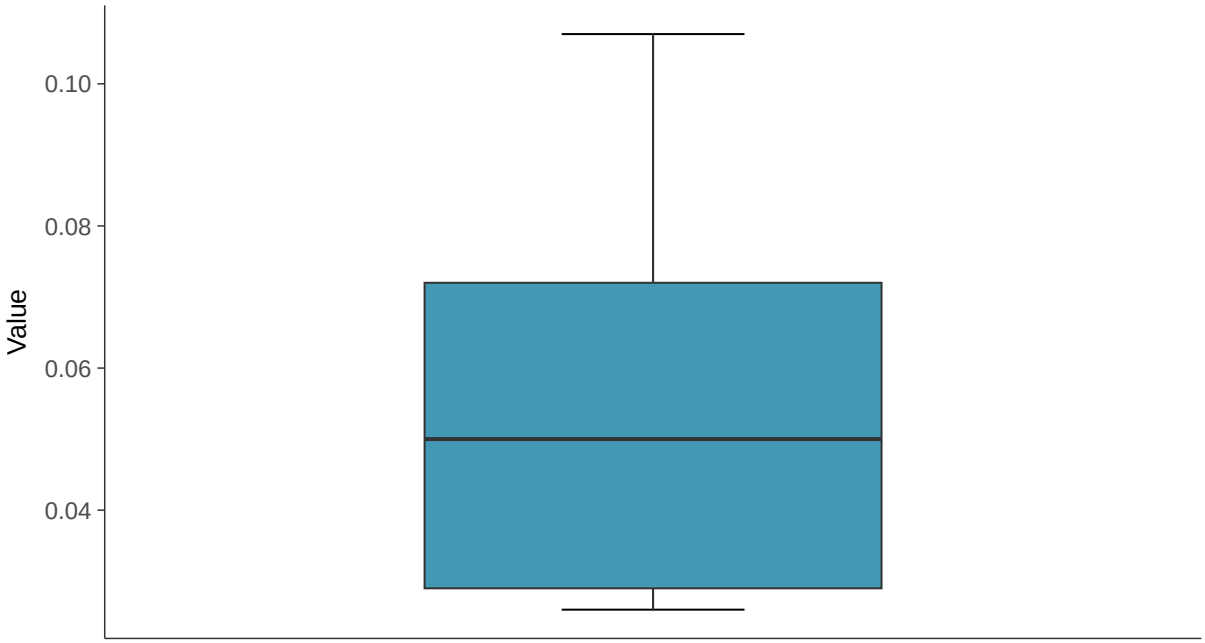
ID: 27_3_118





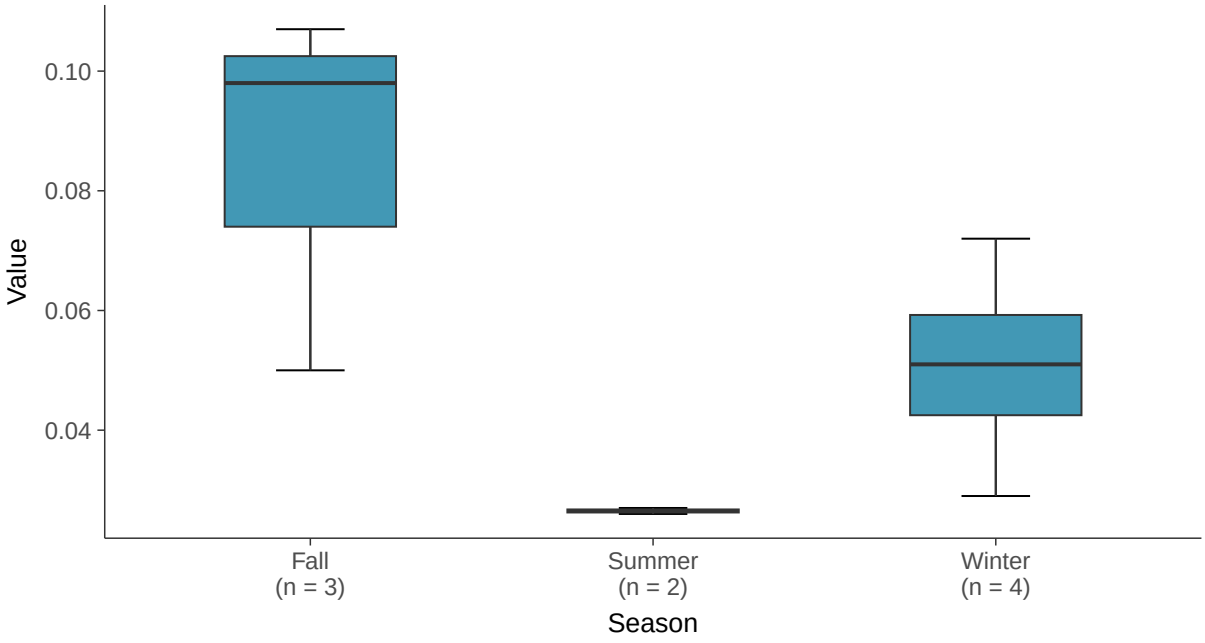
Boxplot

Molybdenum, MW-17C (mg/l)



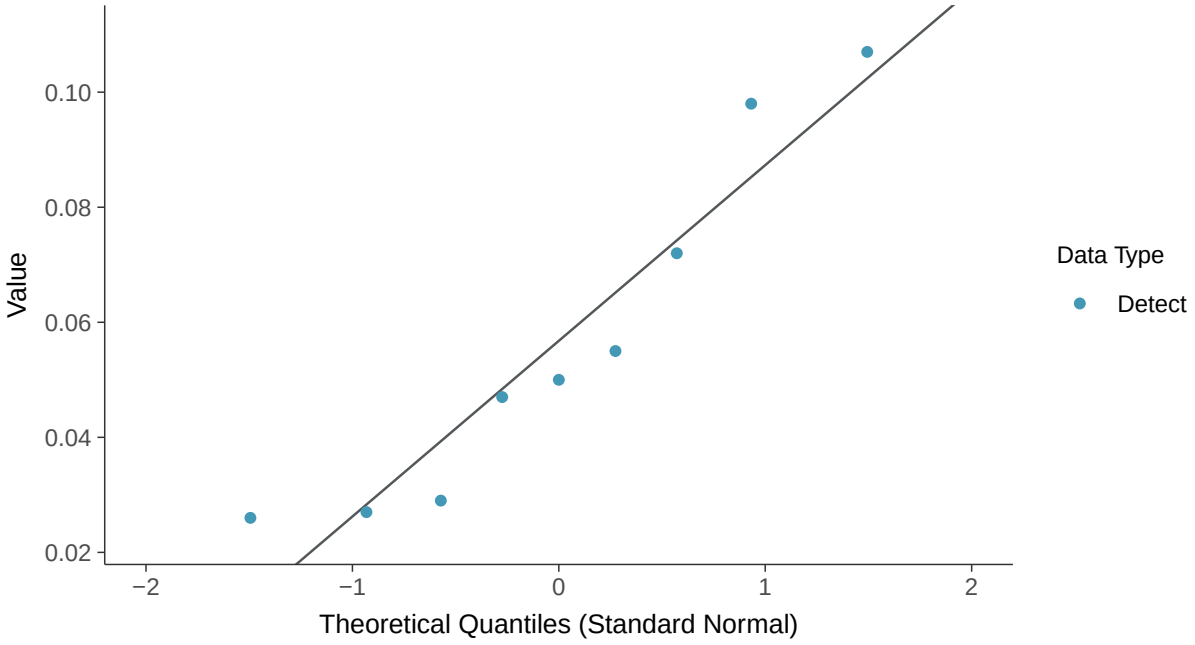
Boxplot by Season

Molybdenum, MW-17C (mg/l)



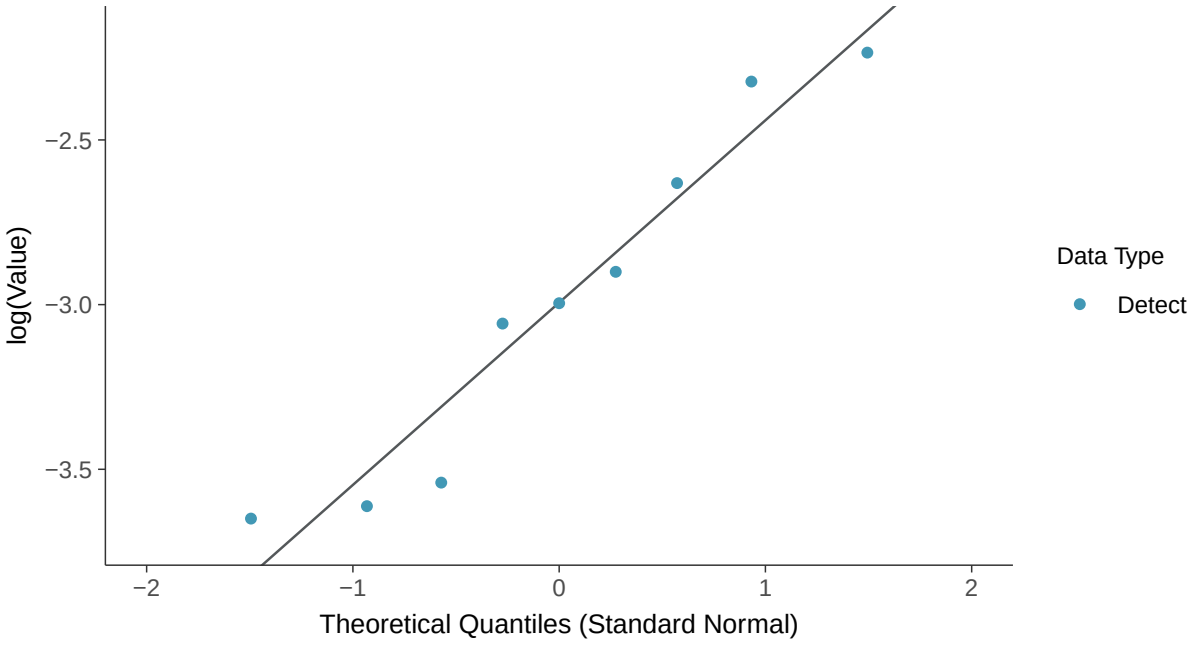
Normal Q-Q plot

Molybdenum, MW-17C (mg/l)



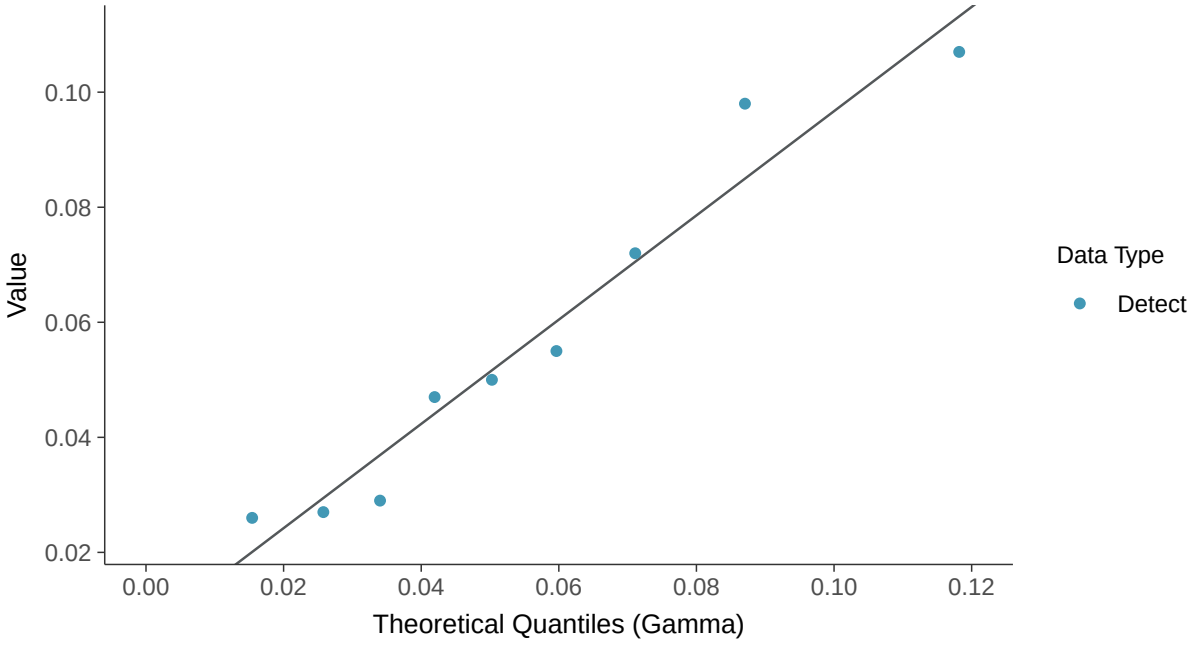
Lognormal Q-Q plot

Molybdenum, MW-17C (mg/l)



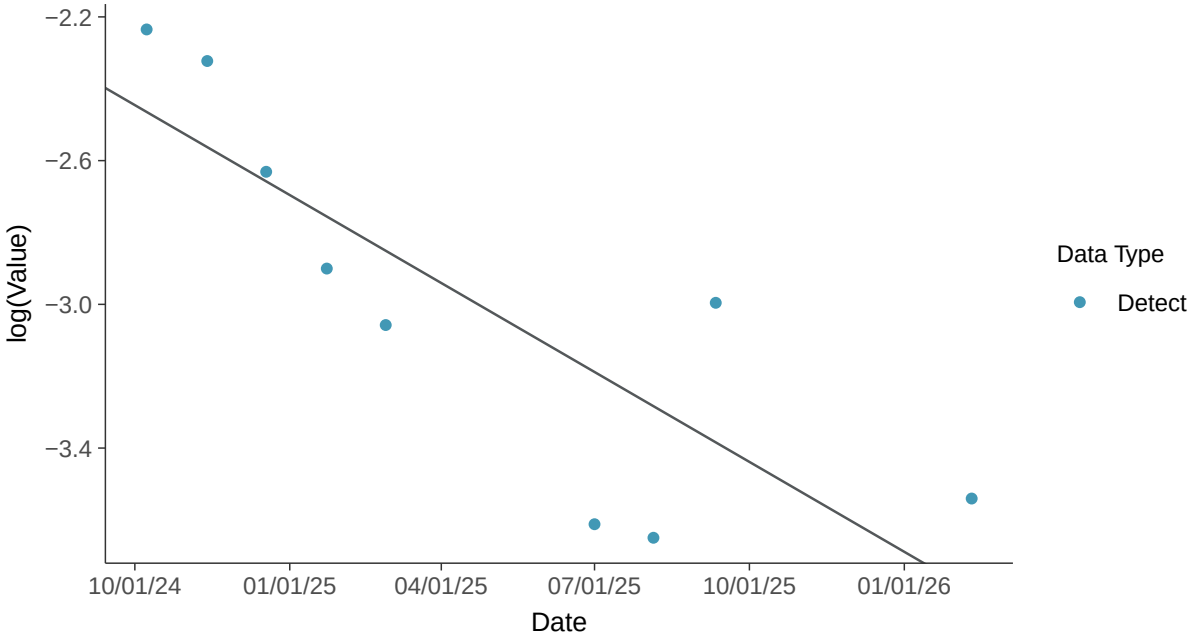
Gamma Q-Q plot

Molybdenum, MW-17C (mg/l)



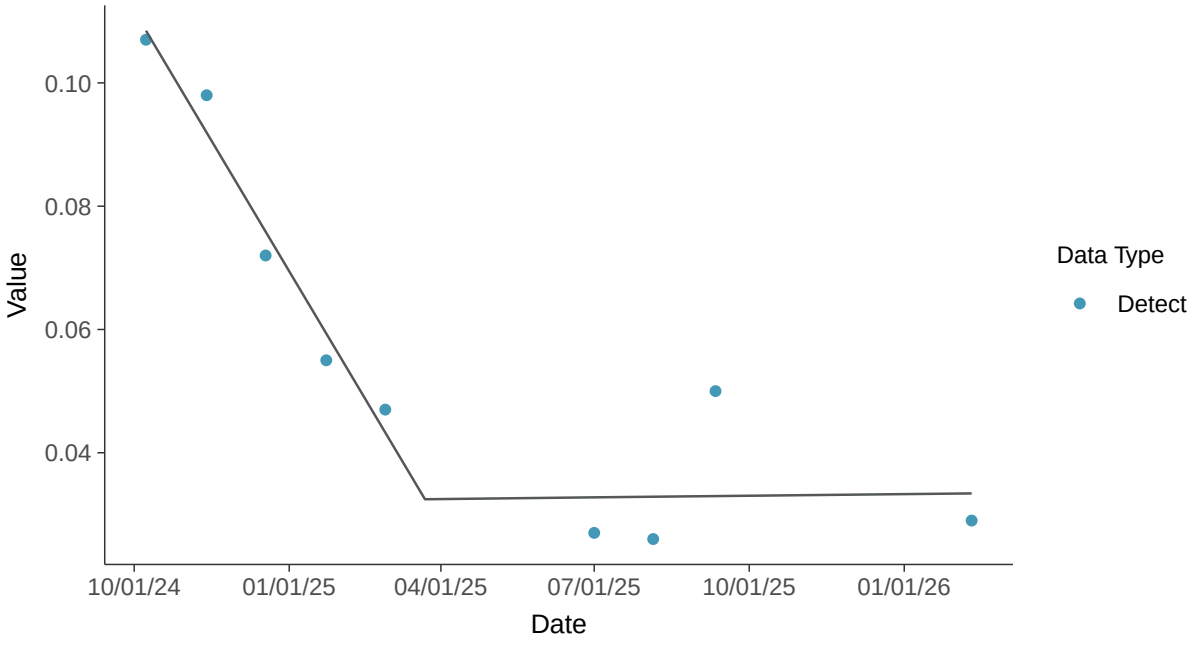
Trend Regression: Lognormal MLE

Molybdenum, MW-17C (mg/l)



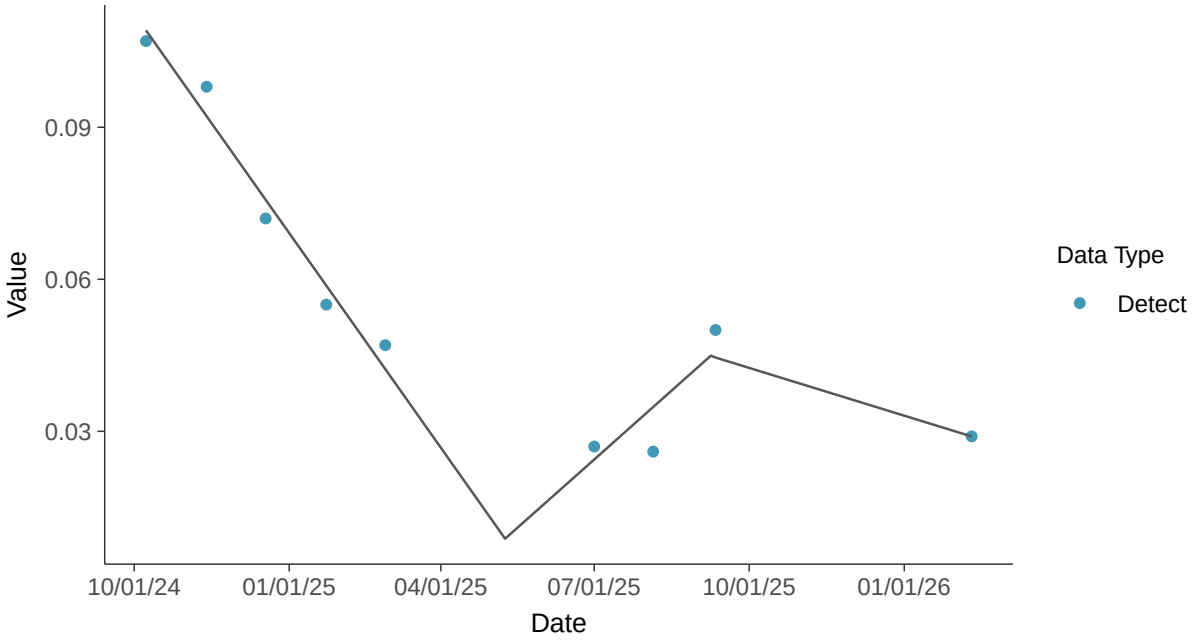
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-17C (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-17C (mg/l)

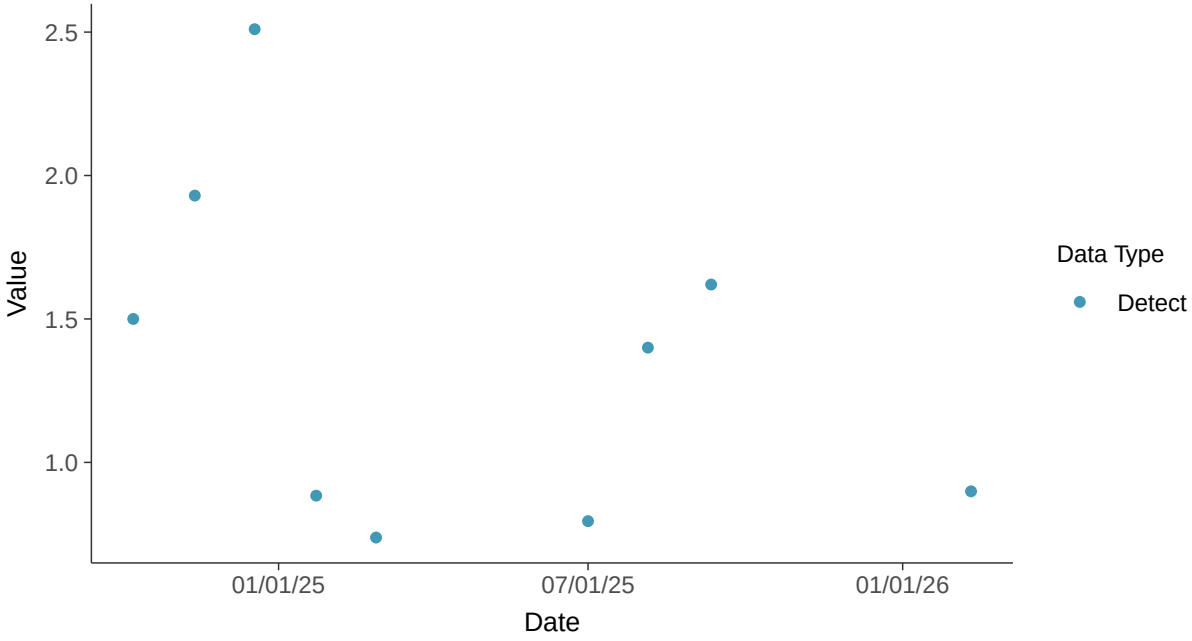


Appendix IV: Radium-226+228, MW-17C

ID: 27_3_121

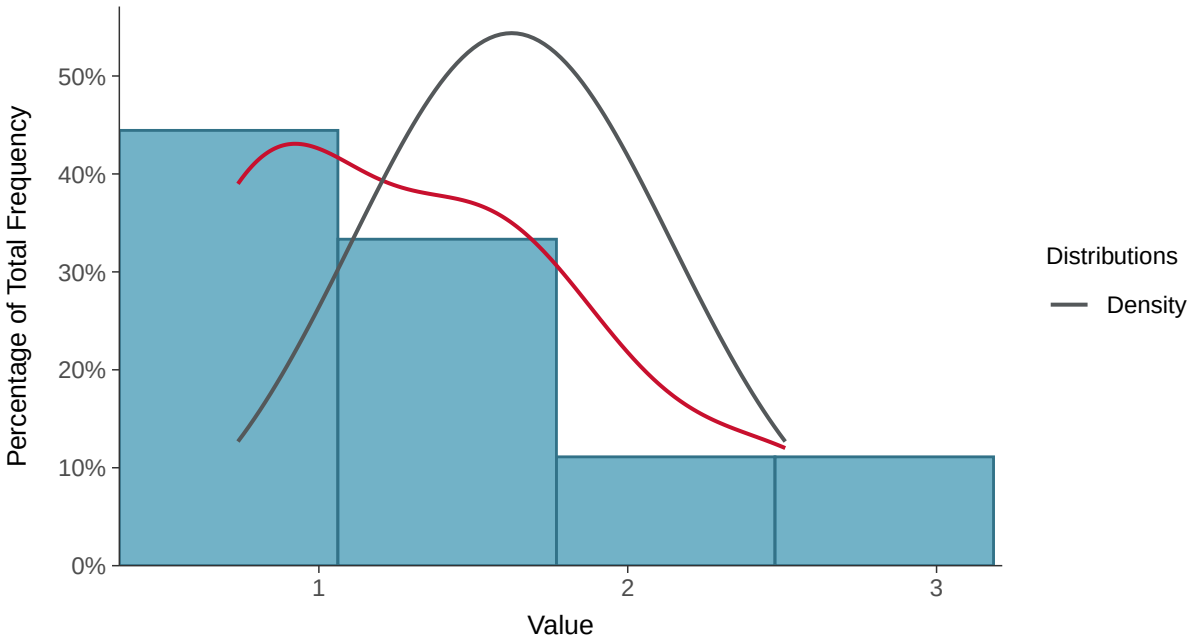
Scatter Plot

Radium-226+228, MW-17C (pci/l)



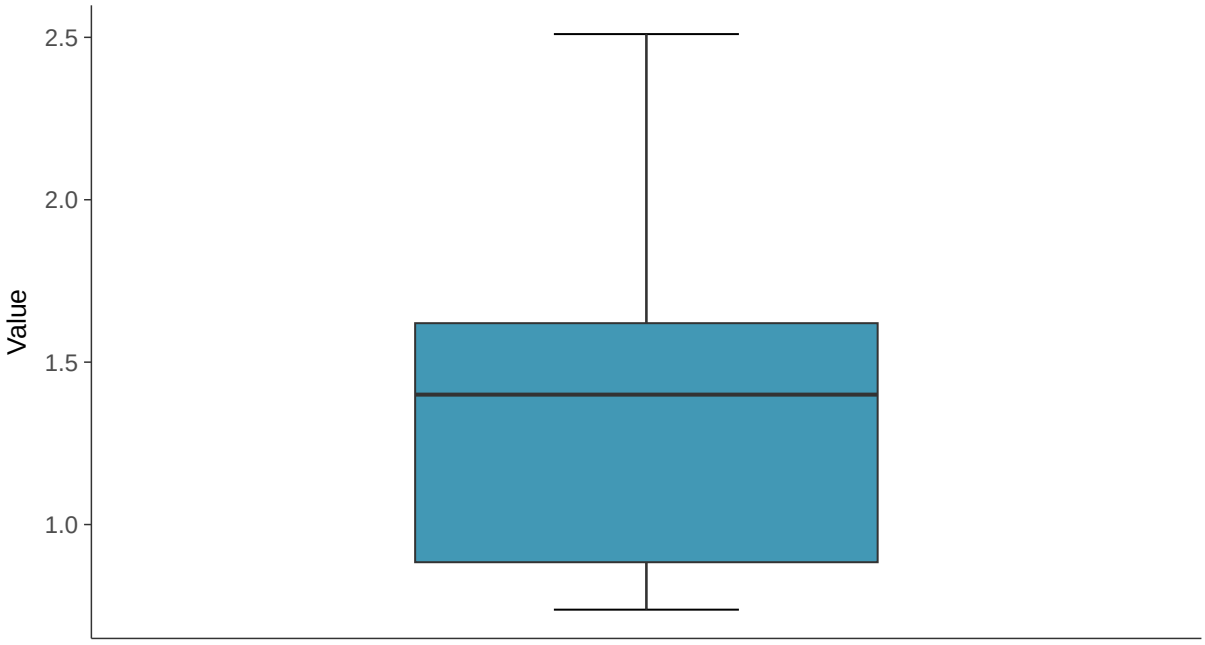
Histogram

Radium-226+228, MW-17C (pci/l)



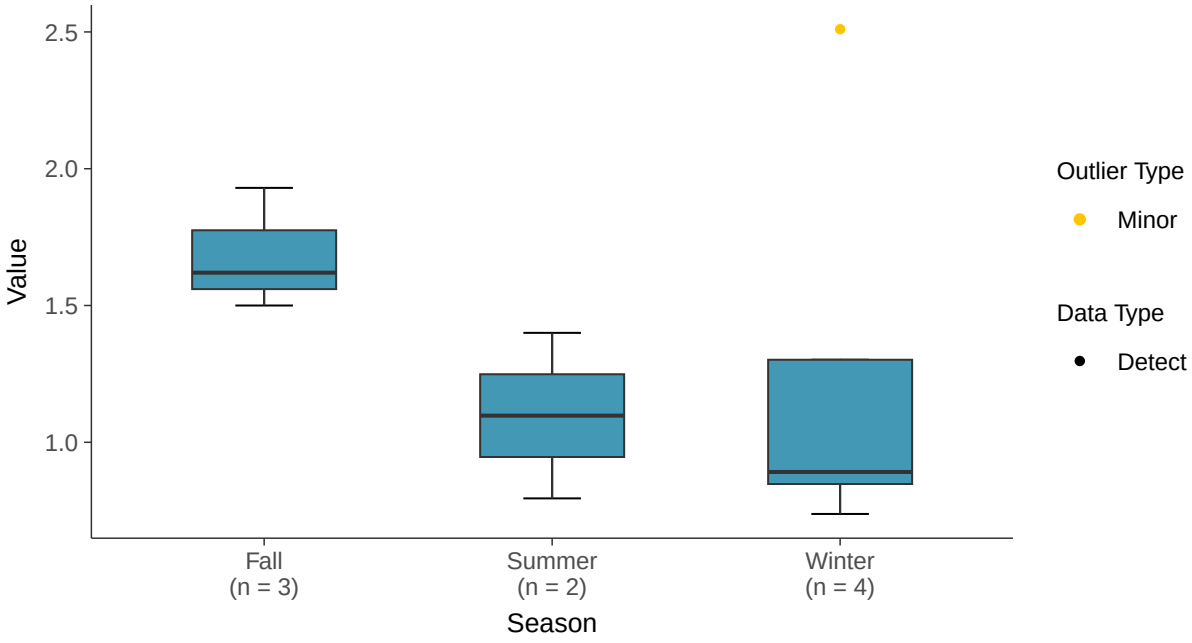
Boxplot

Radium-226+228, MW-17C (pci/l)



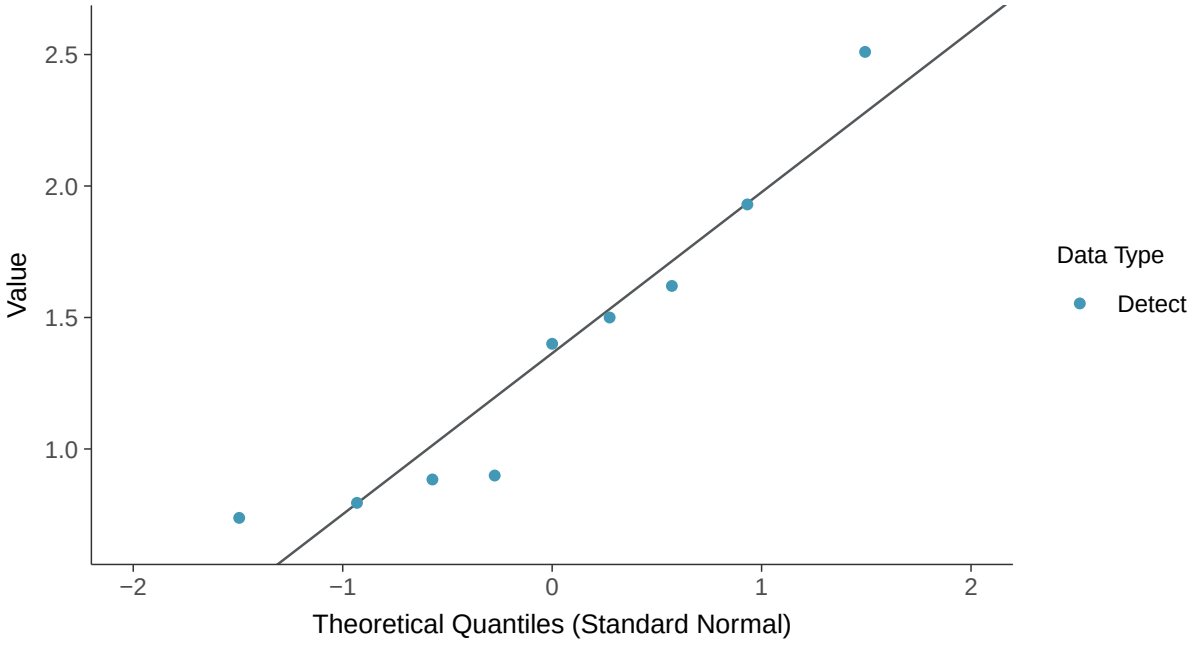
Boxplot by Season

Radium-226+228, MW-17C (pci/l)



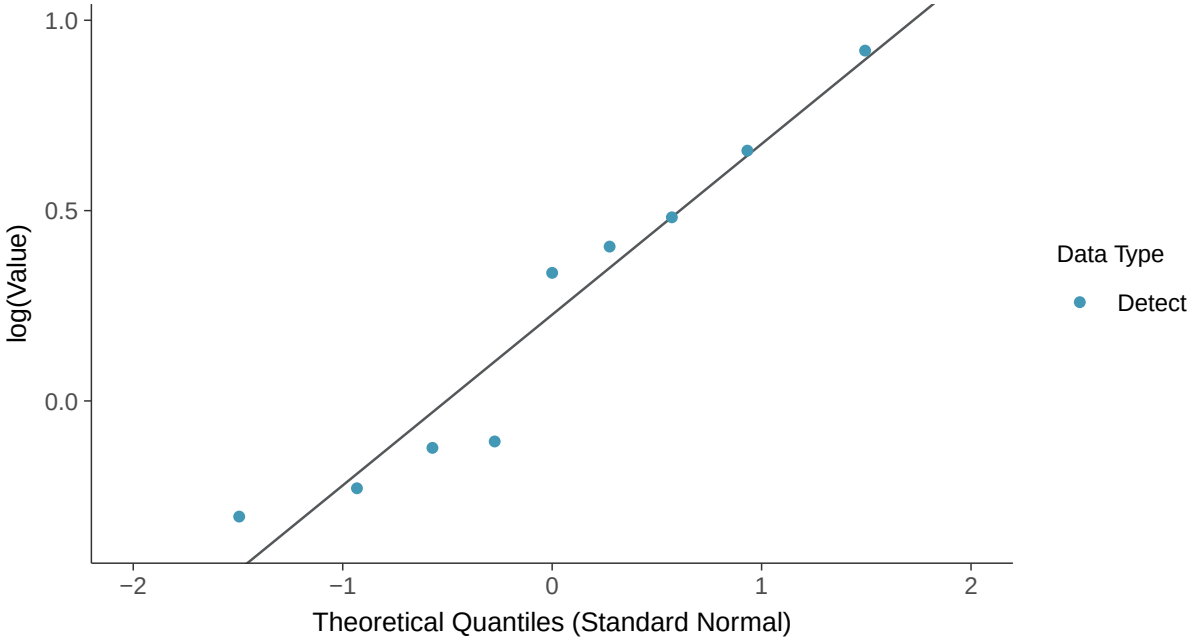
Normal Q-Q plot

Radium-226+228, MW-17C (pci/l)



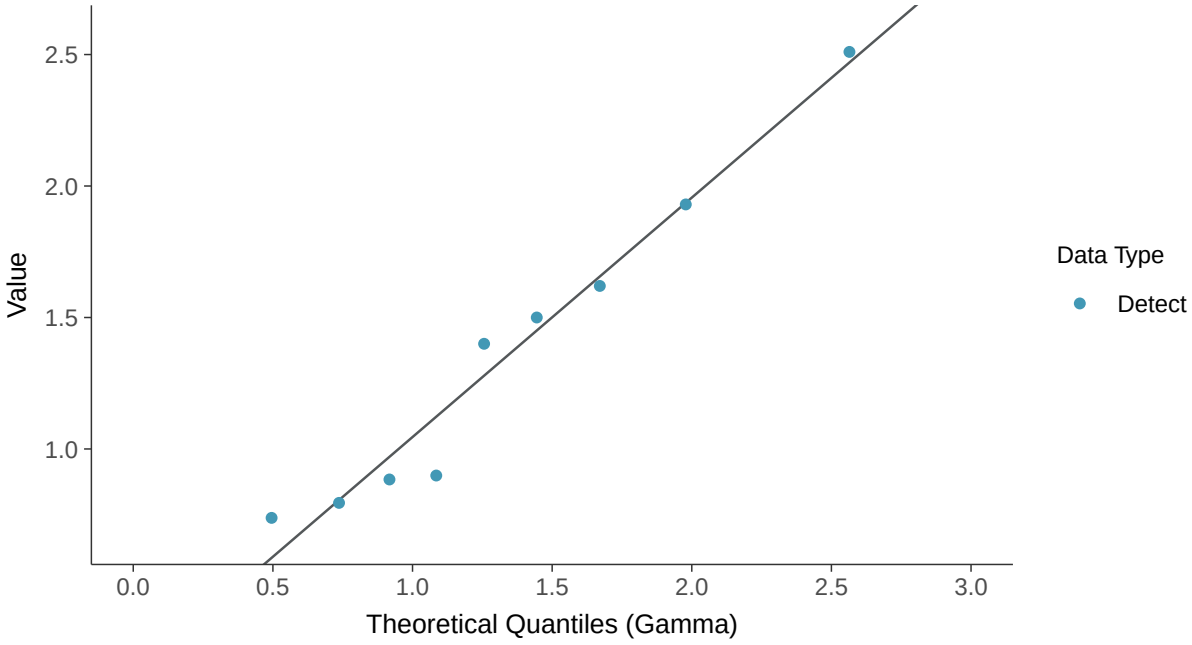
Lognormal Q-Q plot

Radium-226+228, MW-17C (pci/l)



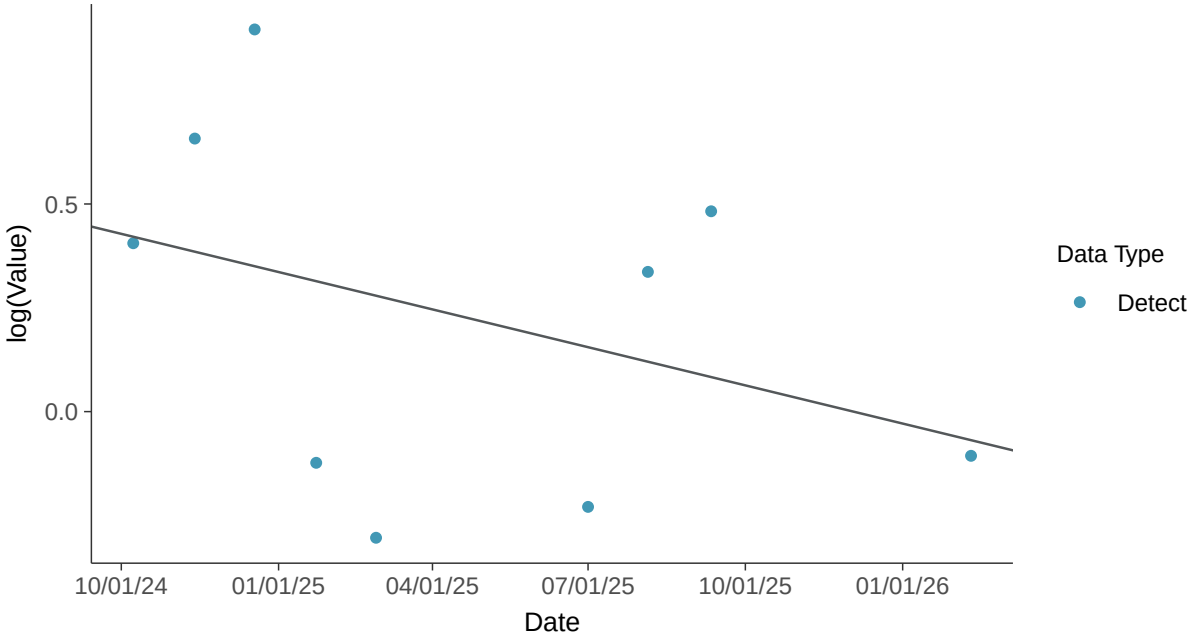
Gamma Q-Q plot

Radium-226+228, MW-17C (pci/l)



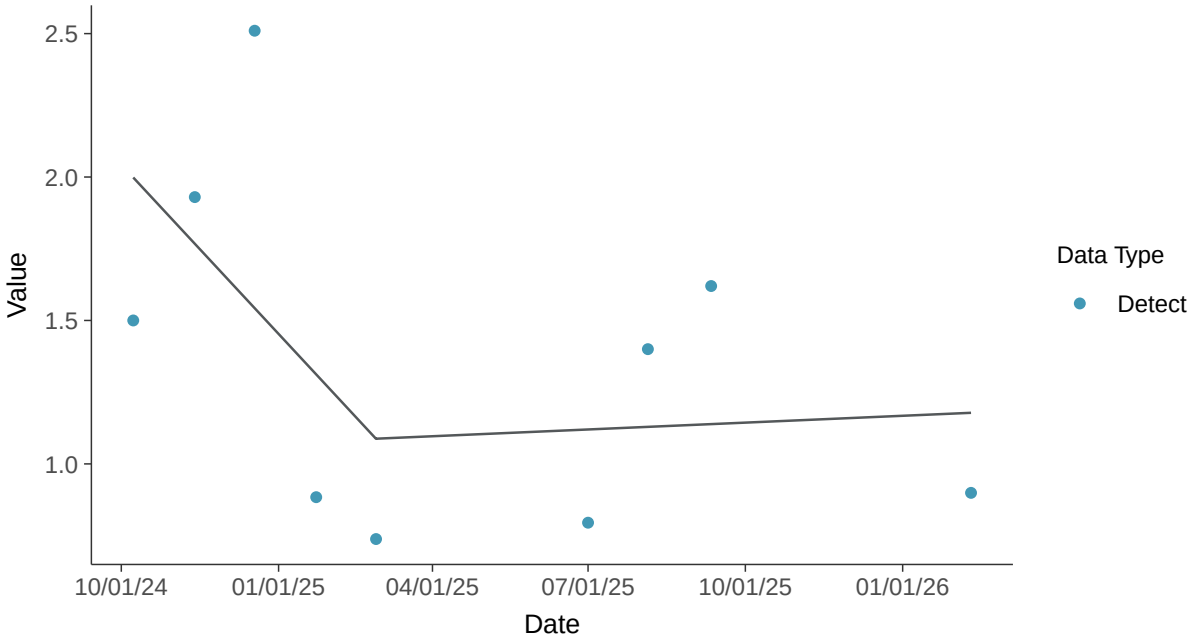
Trend Regression: Lognormal MLE

Radium-226+228, MW-17C (pci/l)



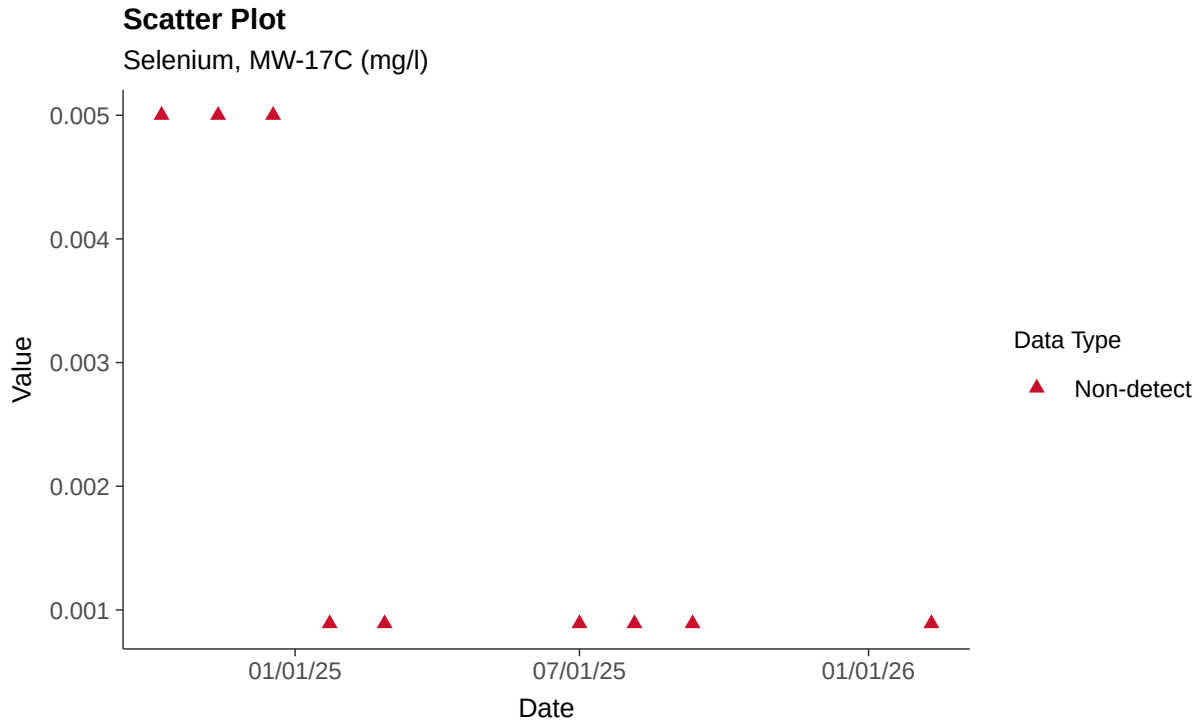
Trend Regression: Piecewise Linear-Linear

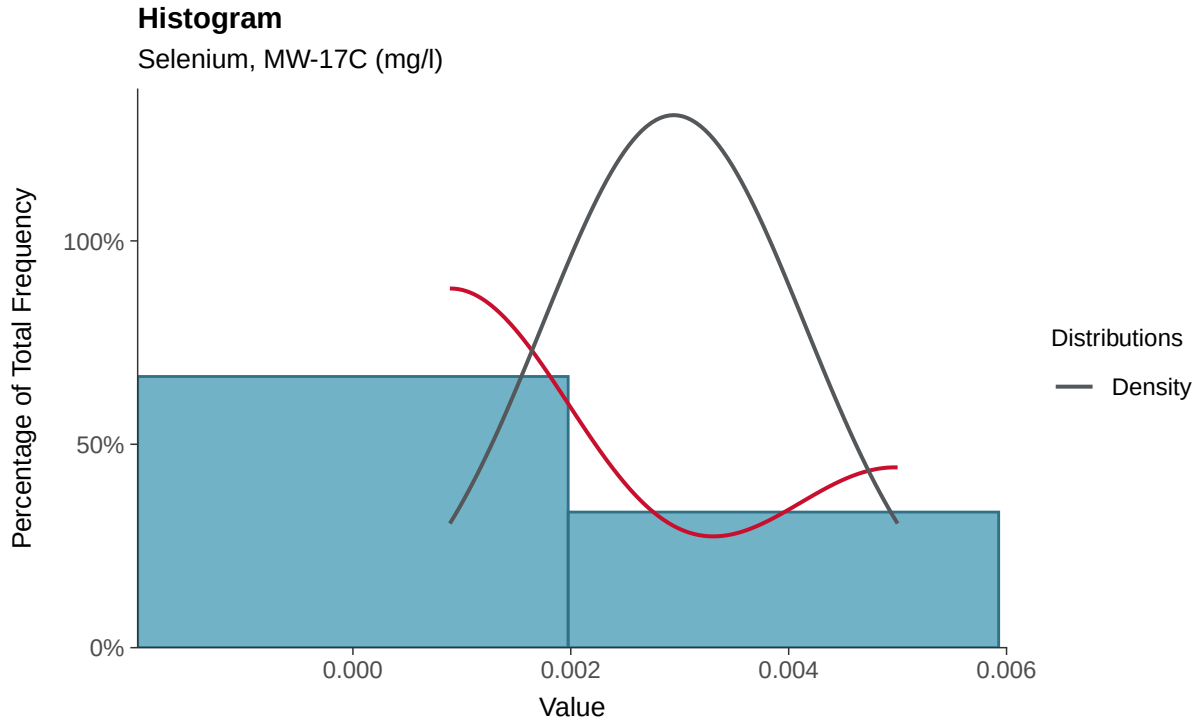
Radium-226+228, MW-17C (pci/l)



Appendix IV: Selenium, MW-17C

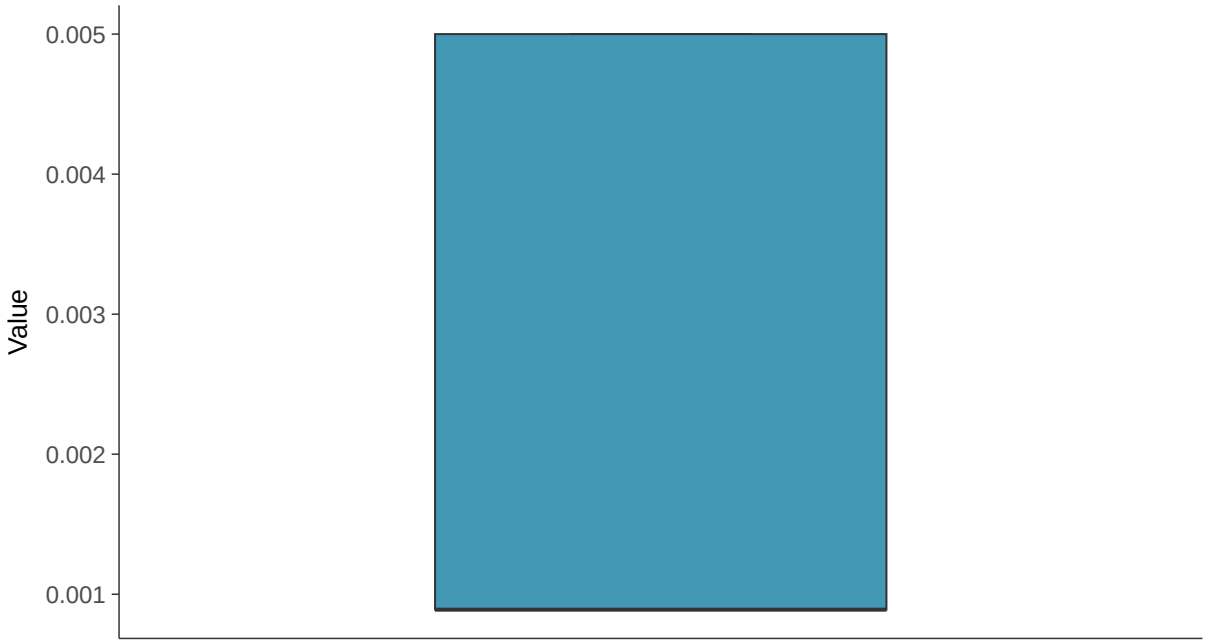
ID: 27_3_122





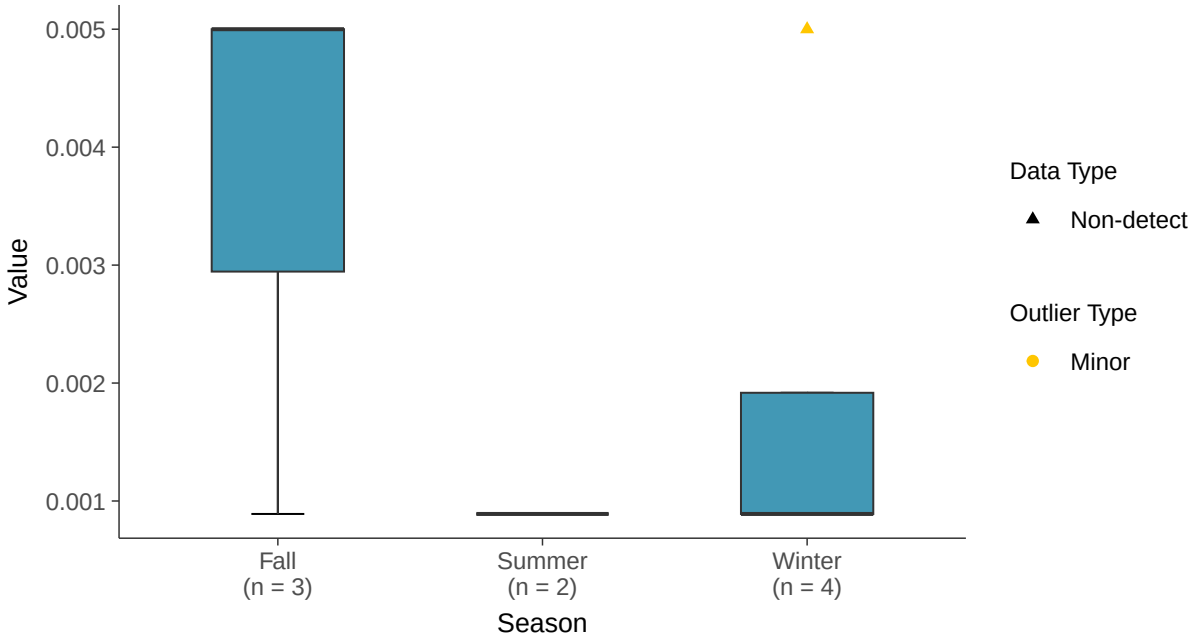
Boxplot

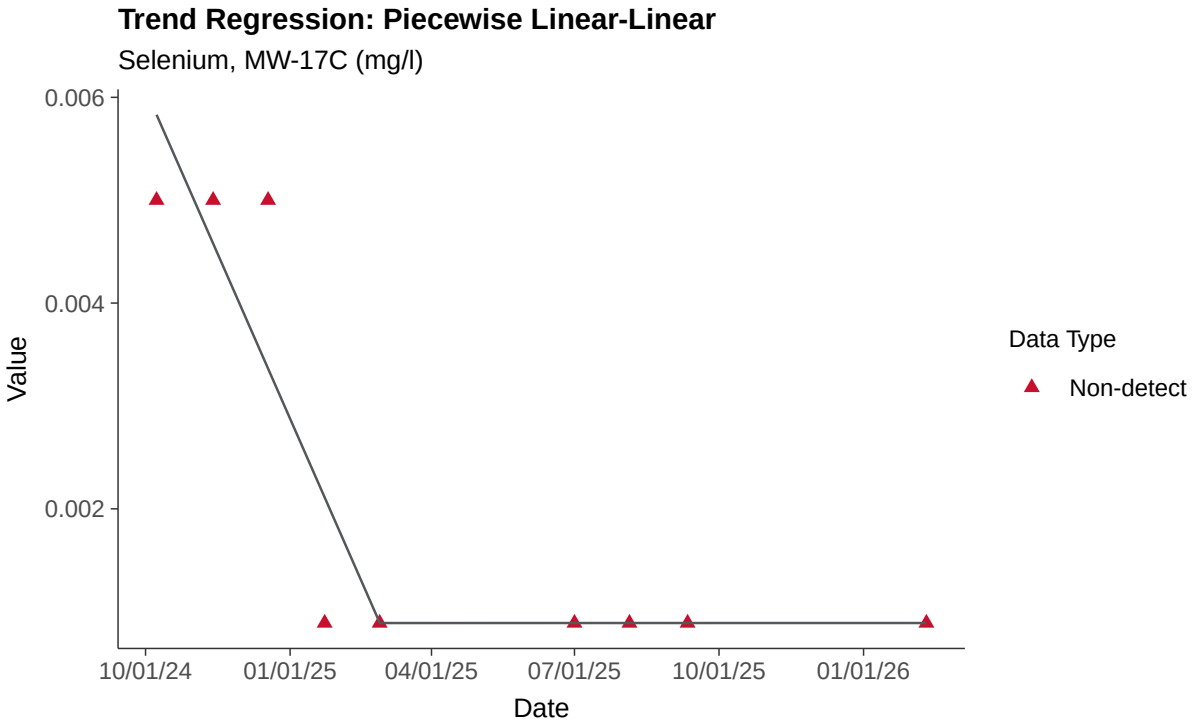
Selenium, MW-17C (mg/l)



Boxplot by Season

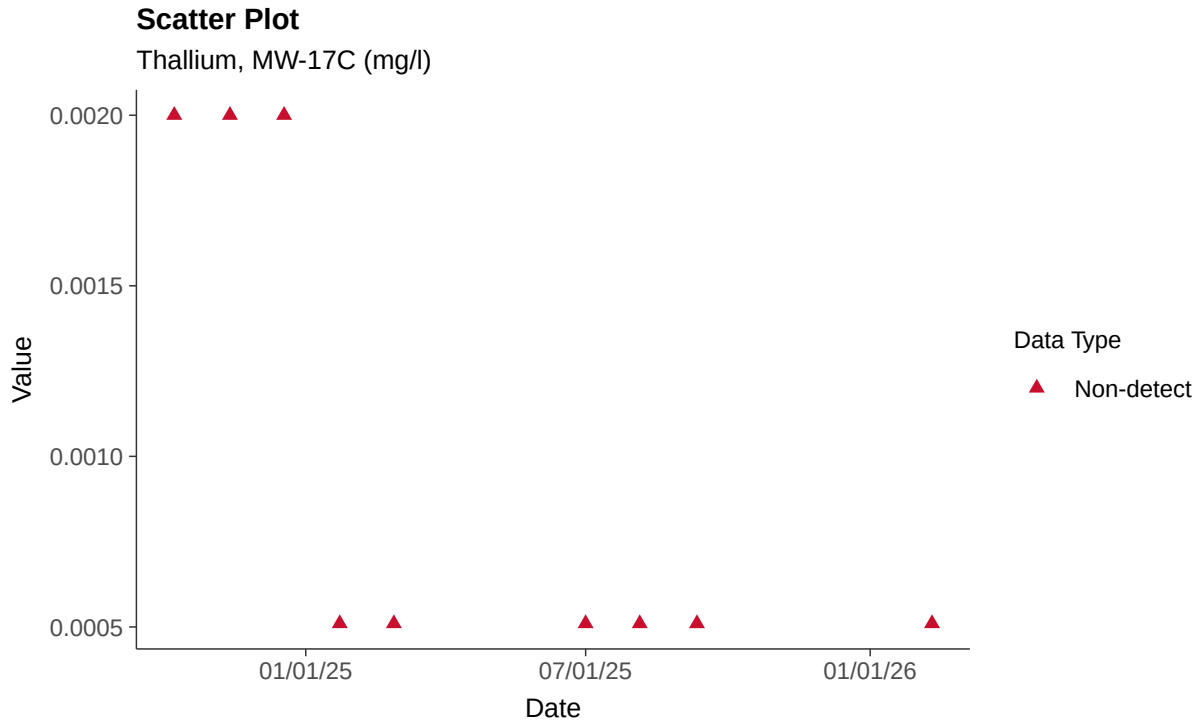
Selenium, MW-17C (mg/l)

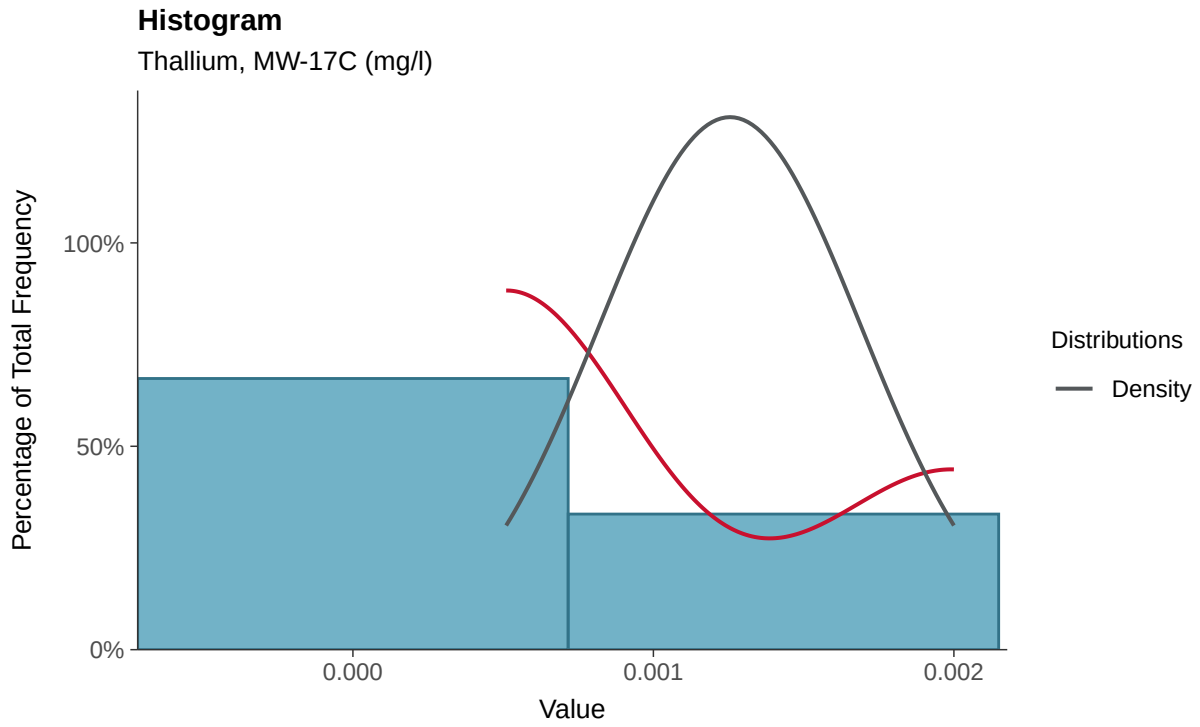



Trend Regression: Piecewise Linear-Linear
Selenium, MW-17C (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-17C

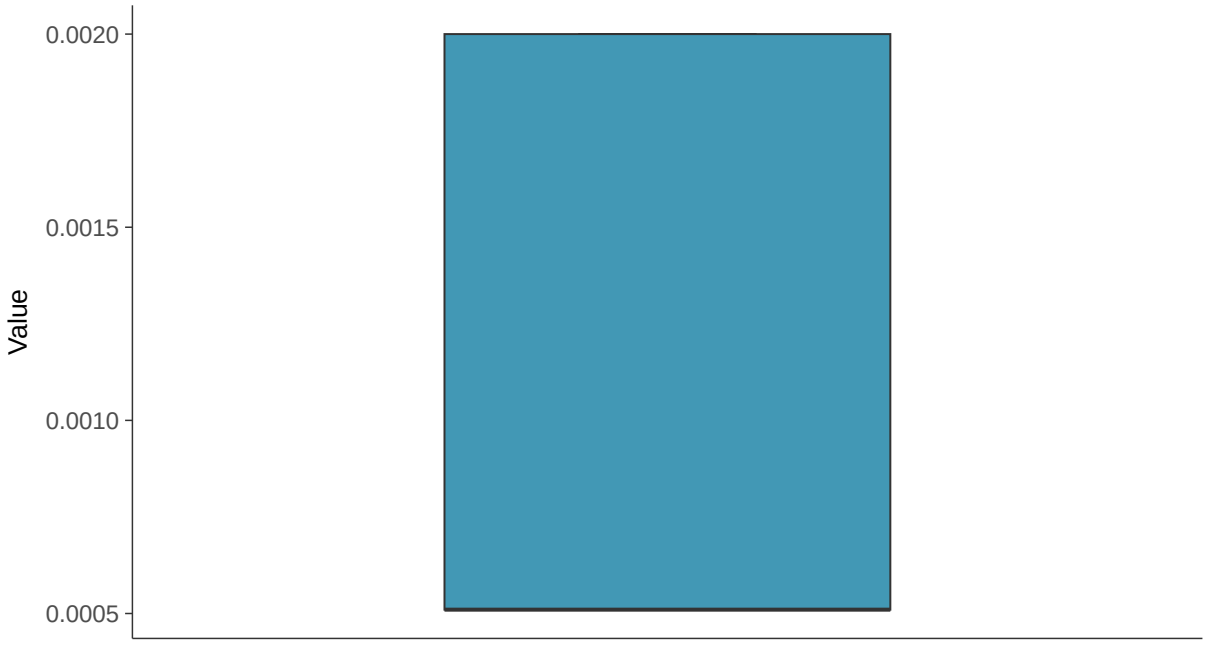
ID: 27_3_125





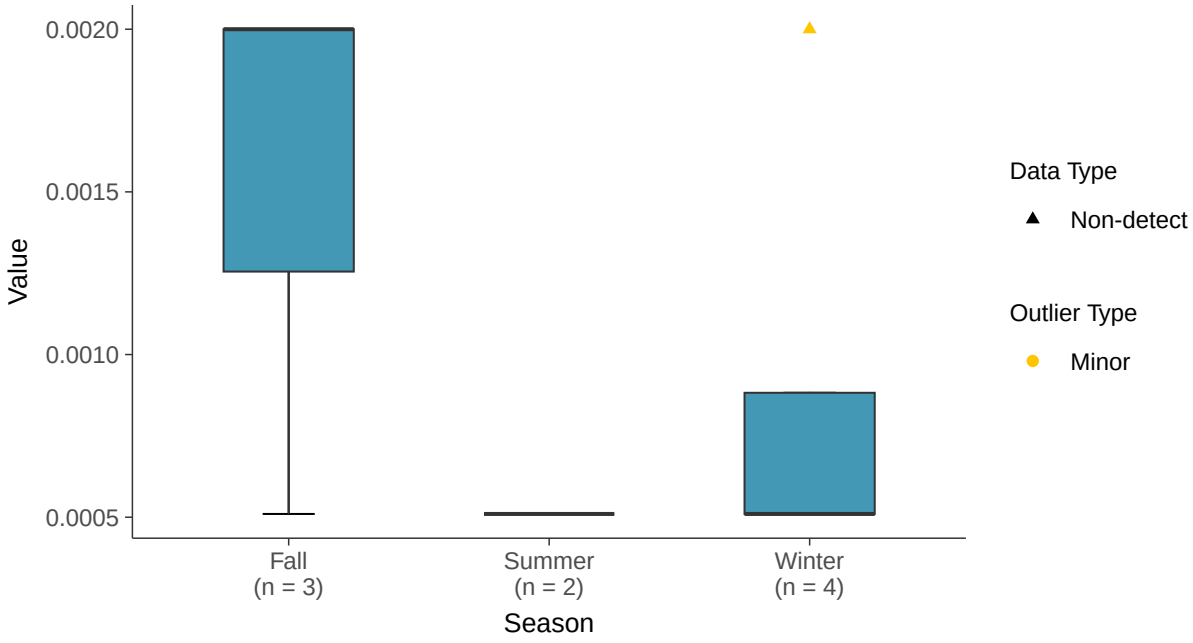
Boxplot

Thallium, MW-17C (mg/l)



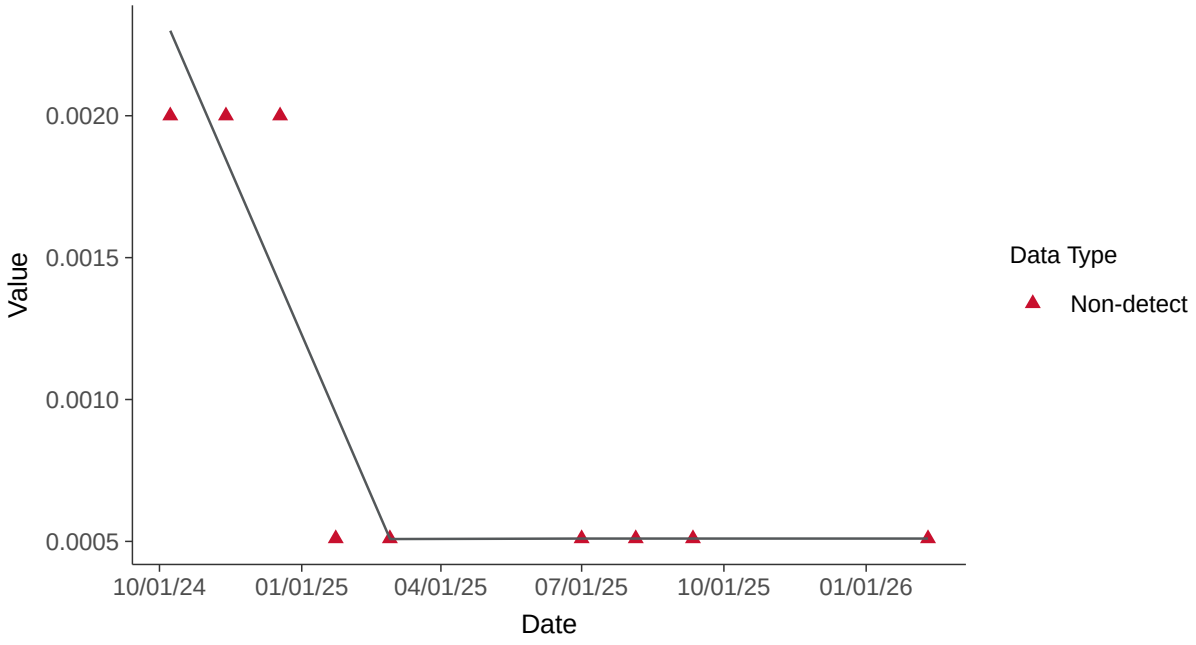
Boxplot by Season

Thallium, MW-17C (mg/l)



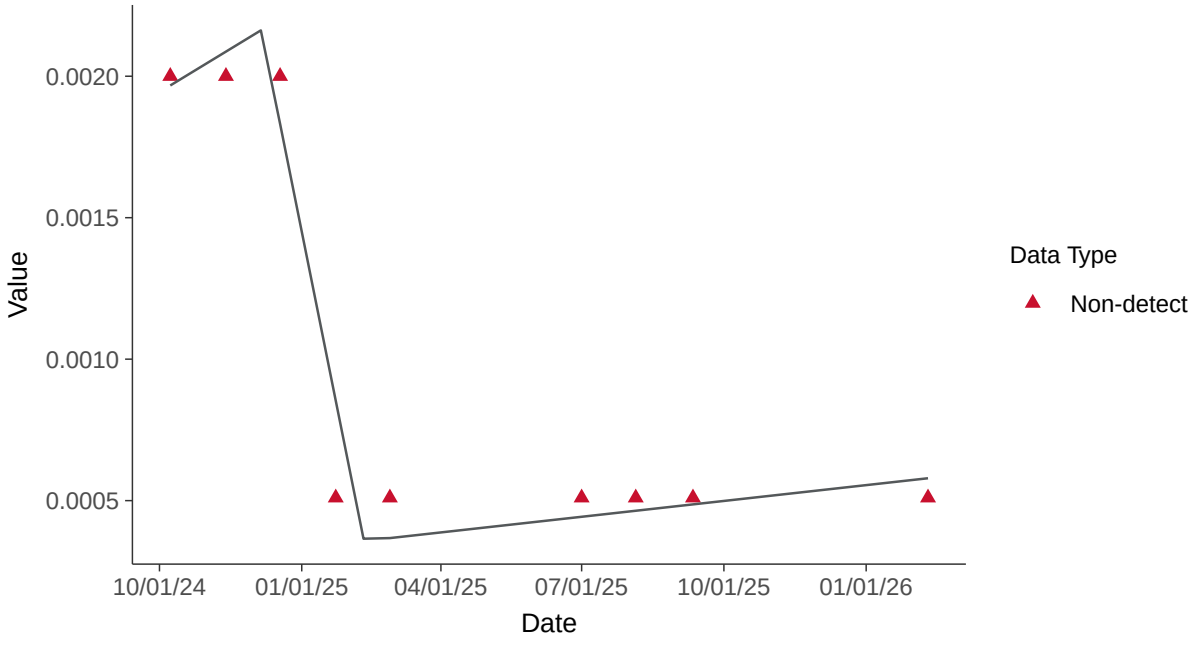
Trend Regression: Piecewise Linear-Linear

Thallium, MW-17C (mg/l)



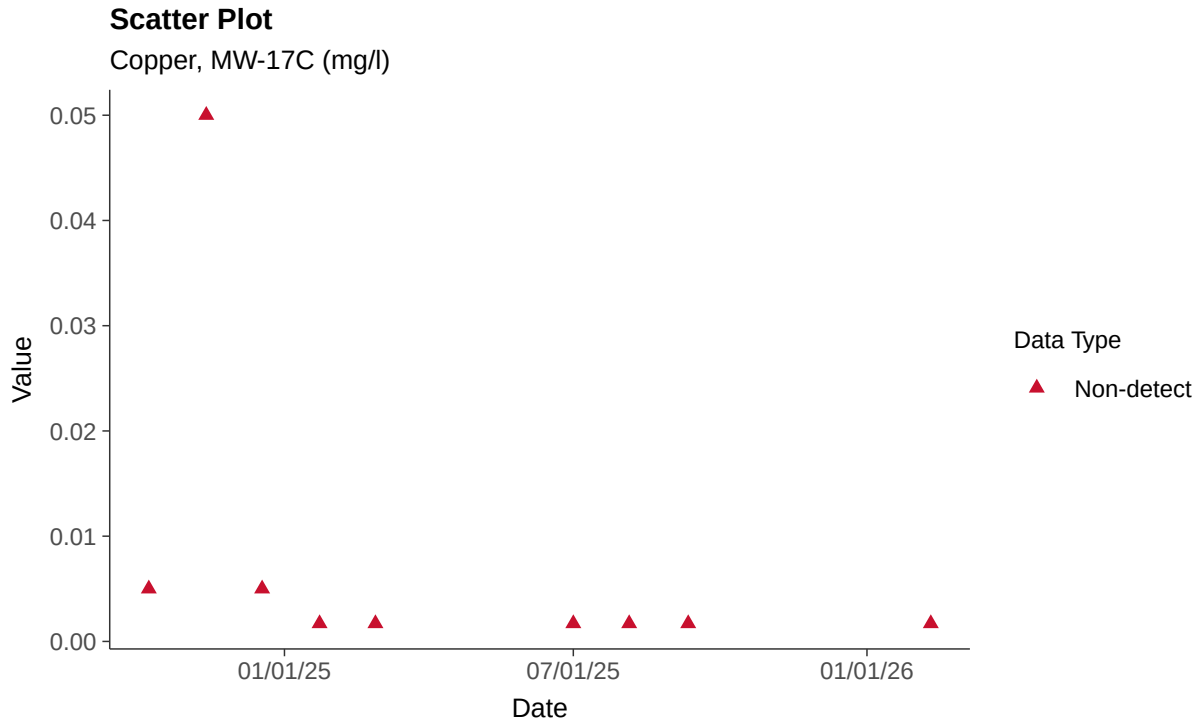
Trend Regression: Piecewise Linear-Linear-Linear

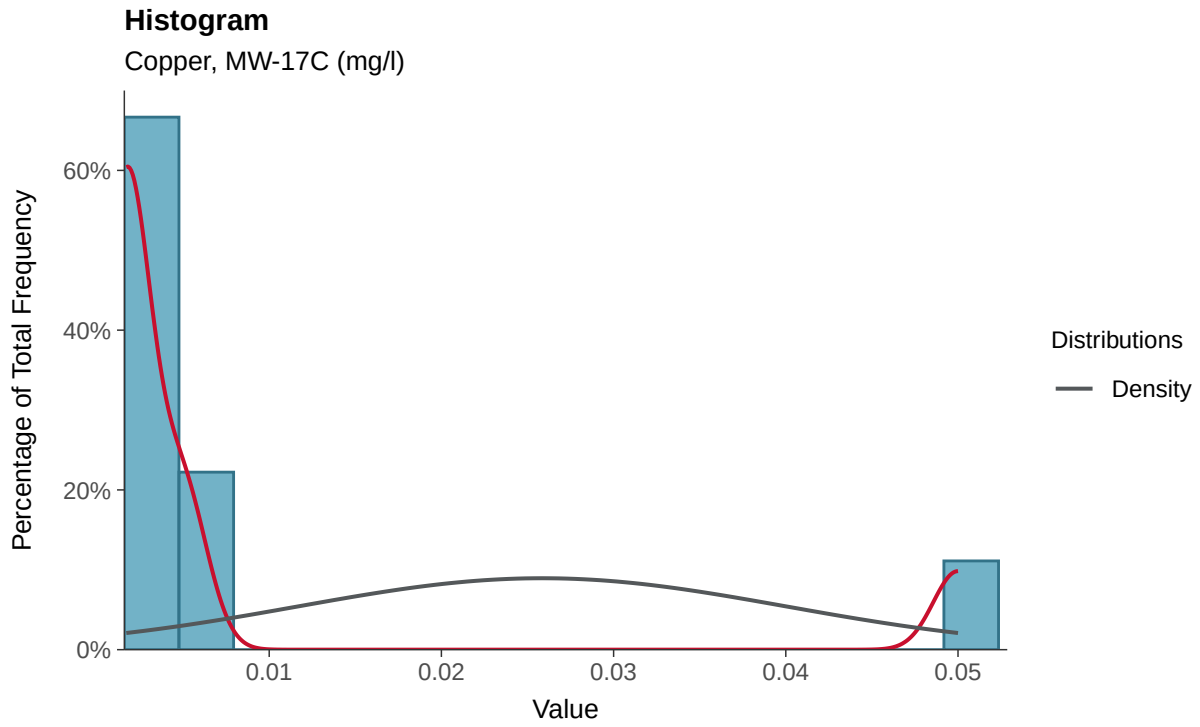
Thallium, MW-17C (mg/l)



Part 115: Copper, MW-17C

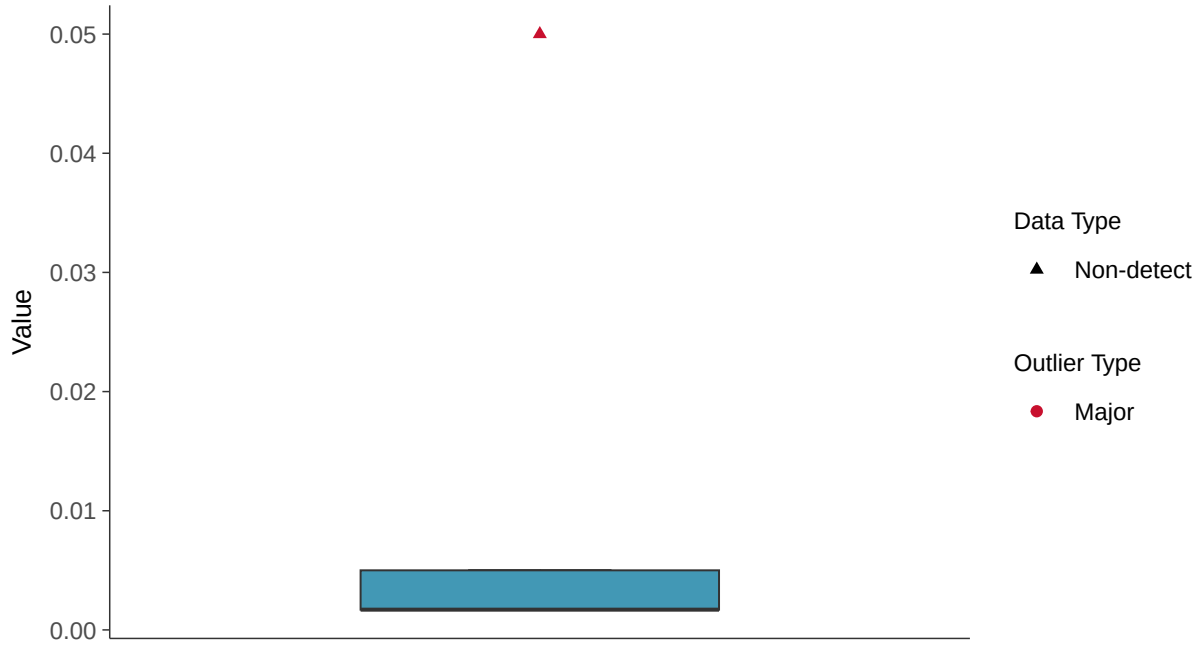
ID: 27_5_111





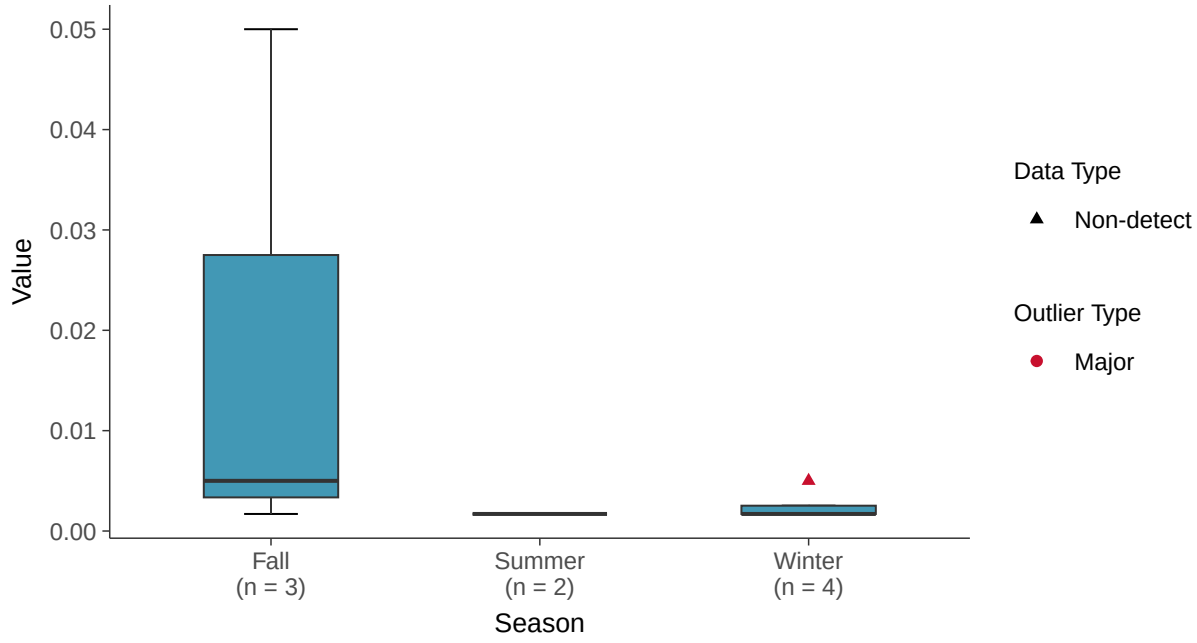
Boxplot

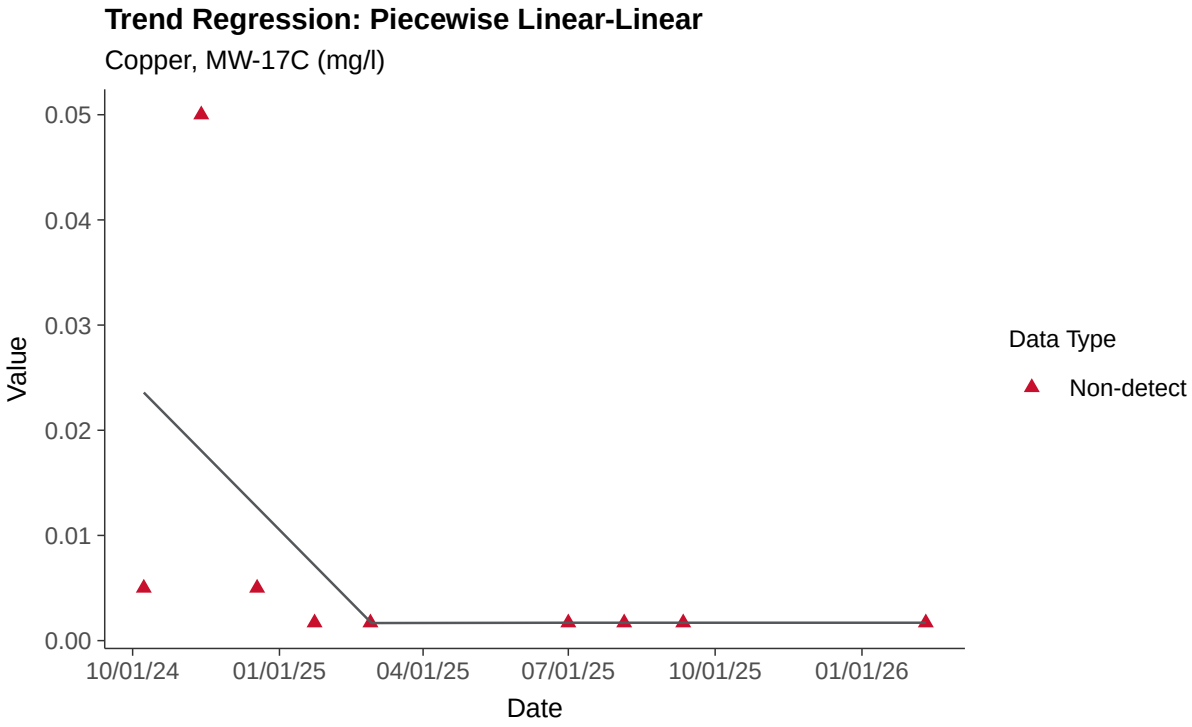
Copper, MW-17C (mg/l)



Boxplot by Season

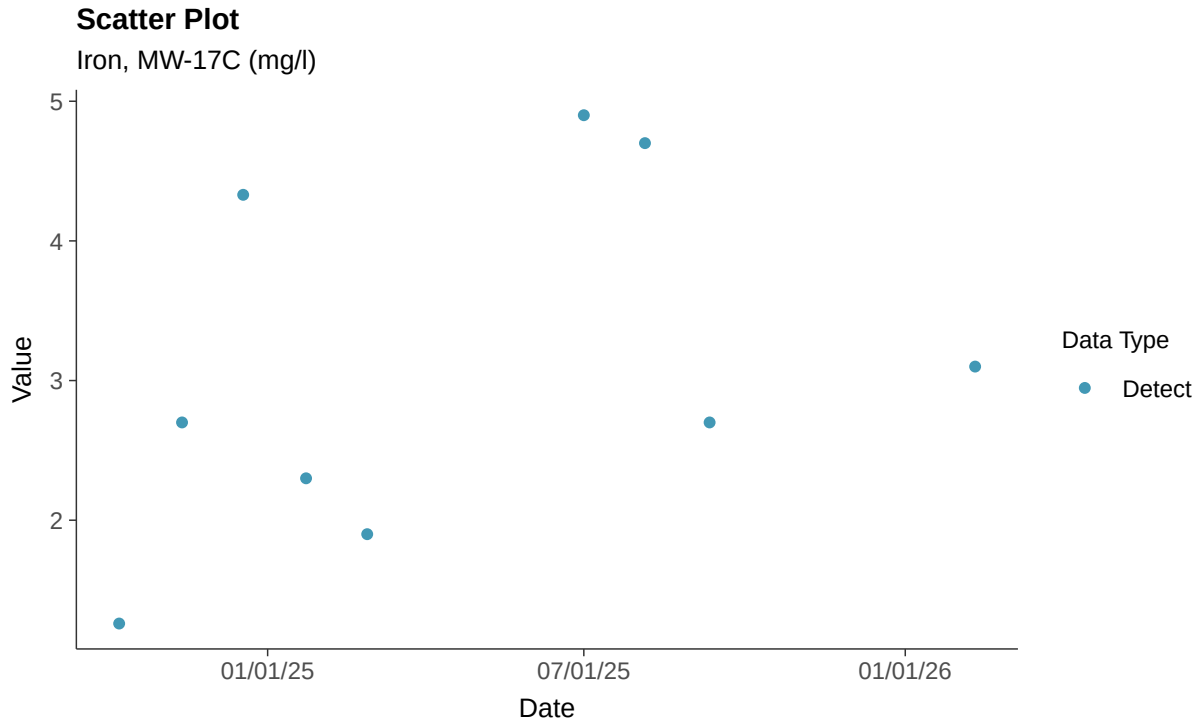
Copper, MW-17C (mg/l)

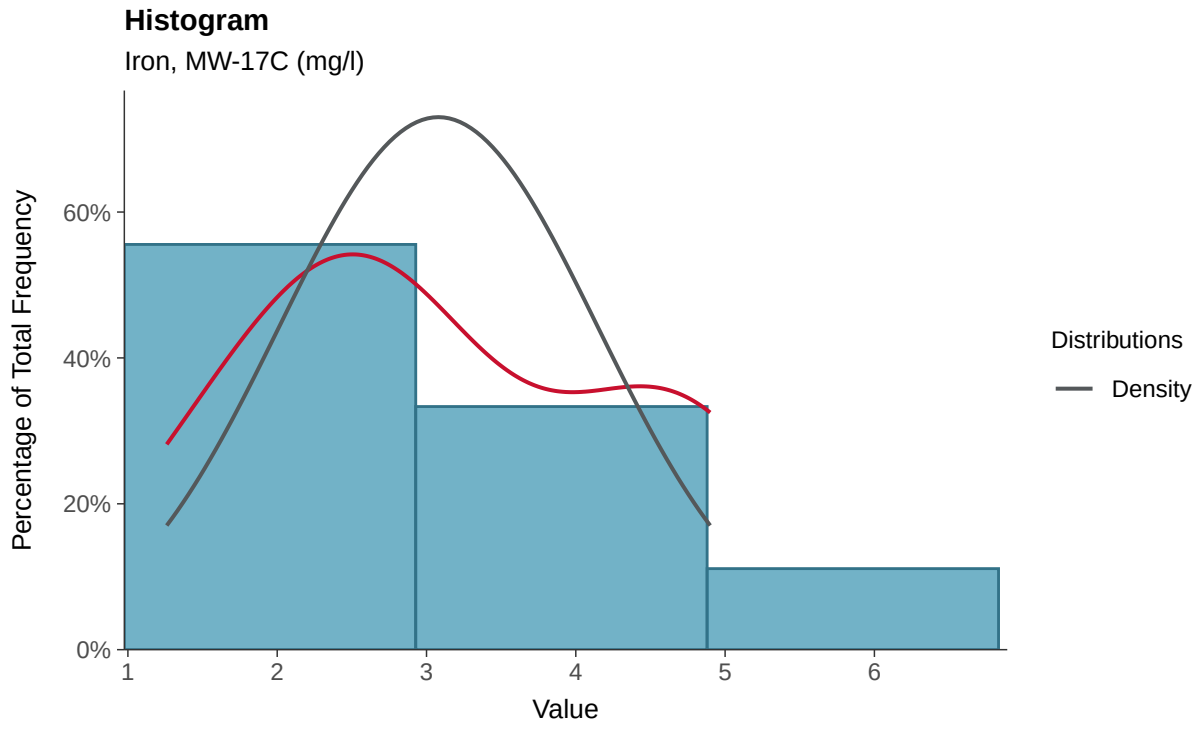



Trend Regression: Piecewise Linear-Linear
Copper, MW-17C (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Iron, MW-17C

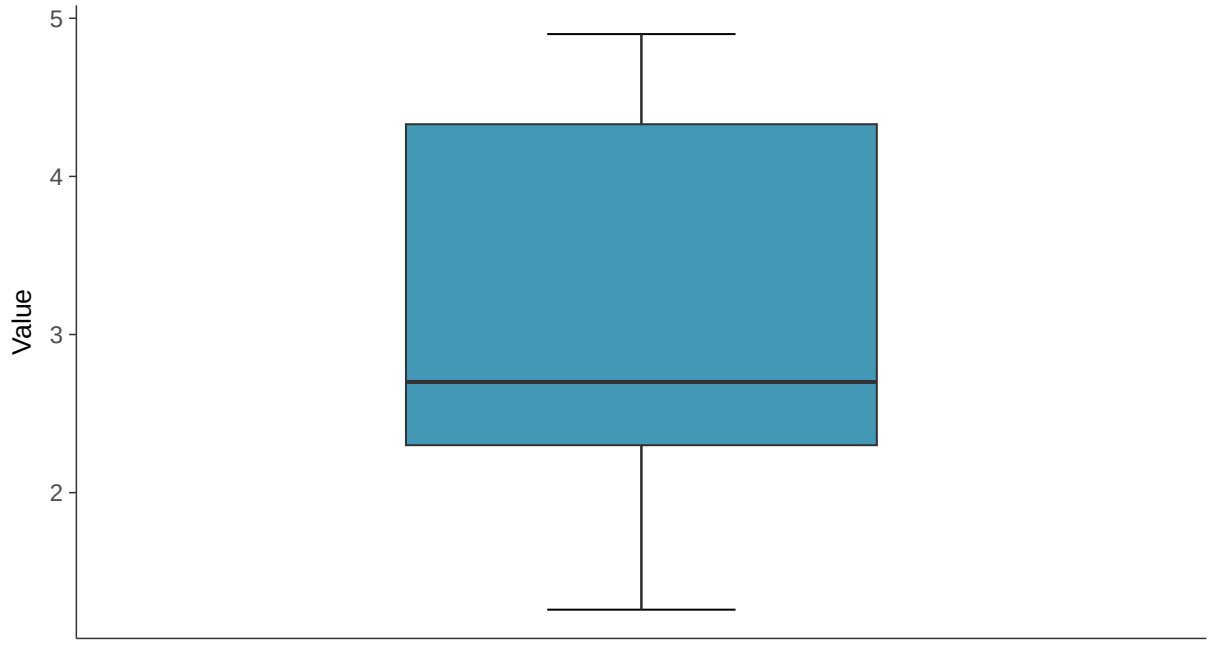
ID: 27_5_114





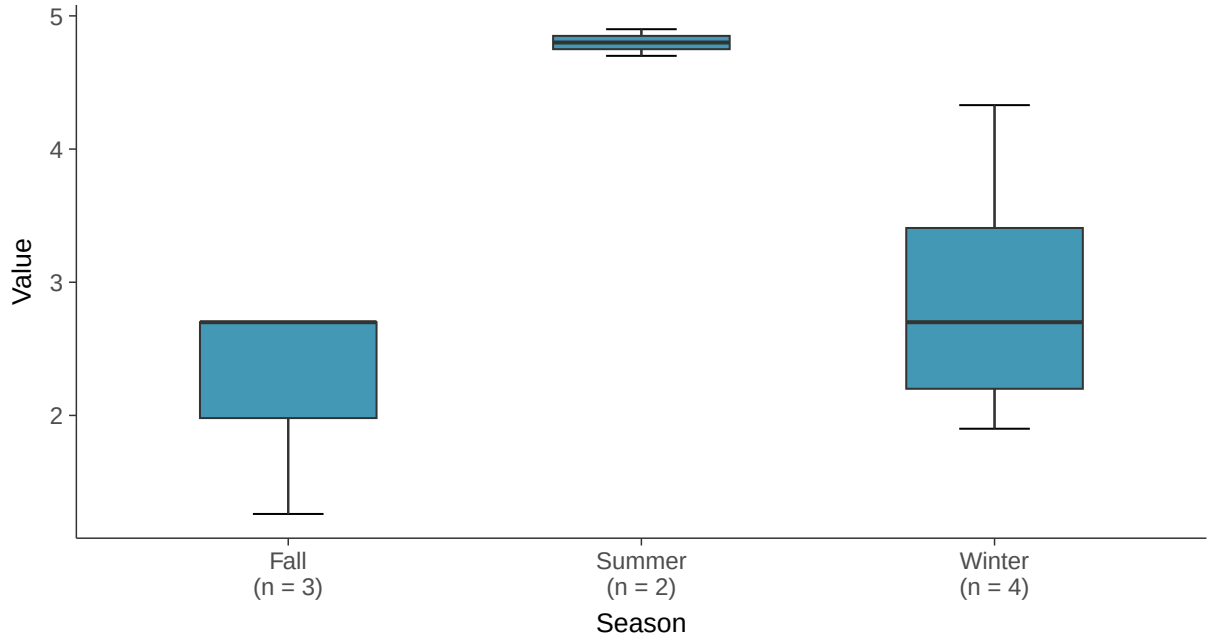
Boxplot

Iron, MW-17C (mg/l)



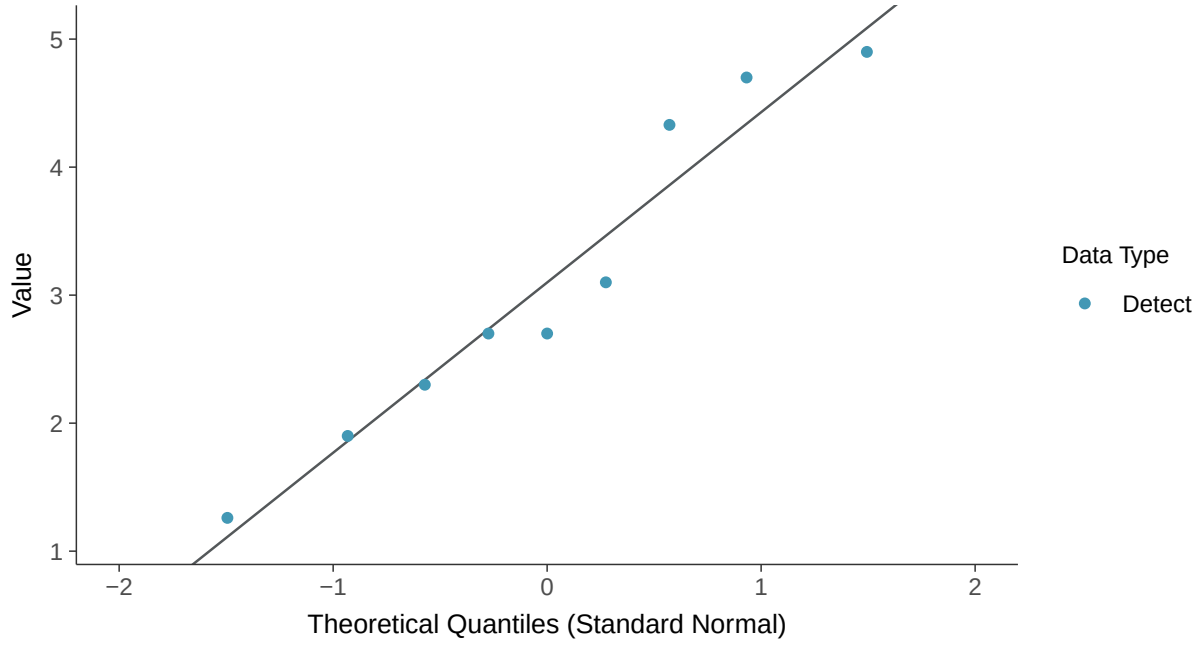
Boxplot by Season

Iron, MW-17C (mg/l)



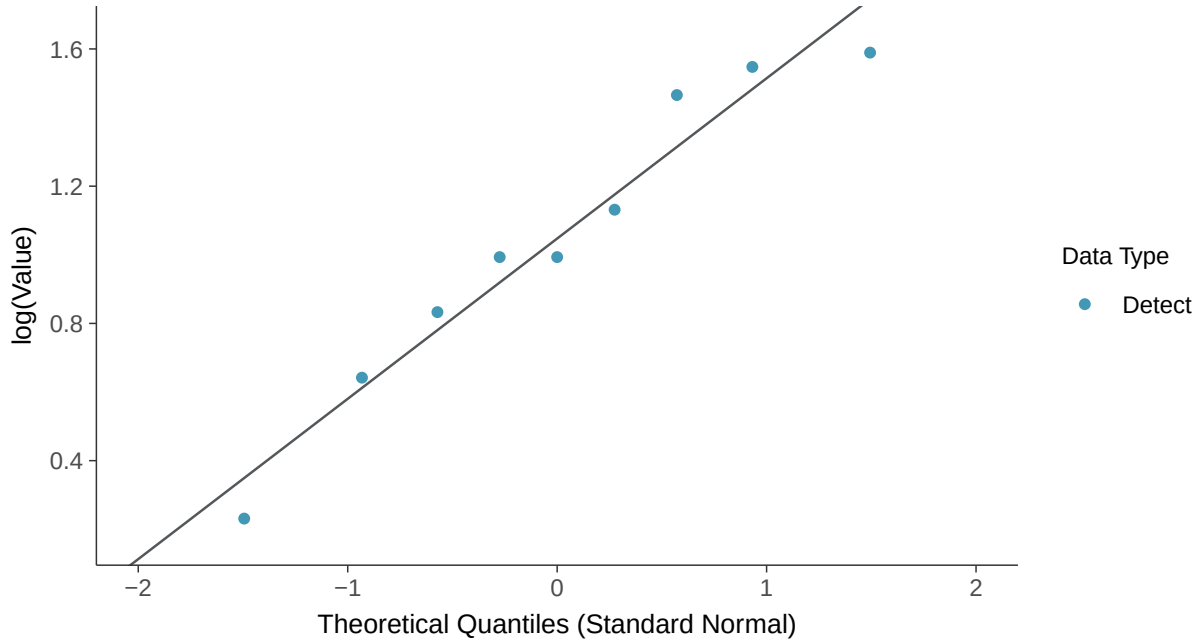
Normal Q-Q plot

Iron, MW-17C (mg/l)



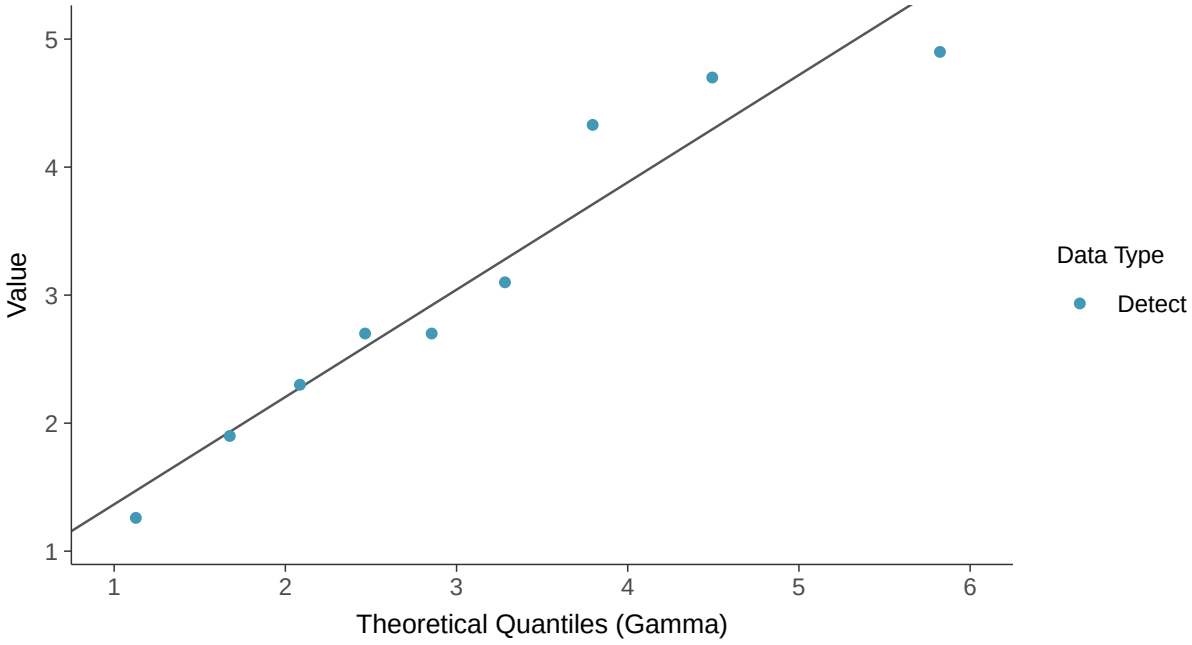
Lognormal Q-Q plot

Iron, MW-17C (mg/l)



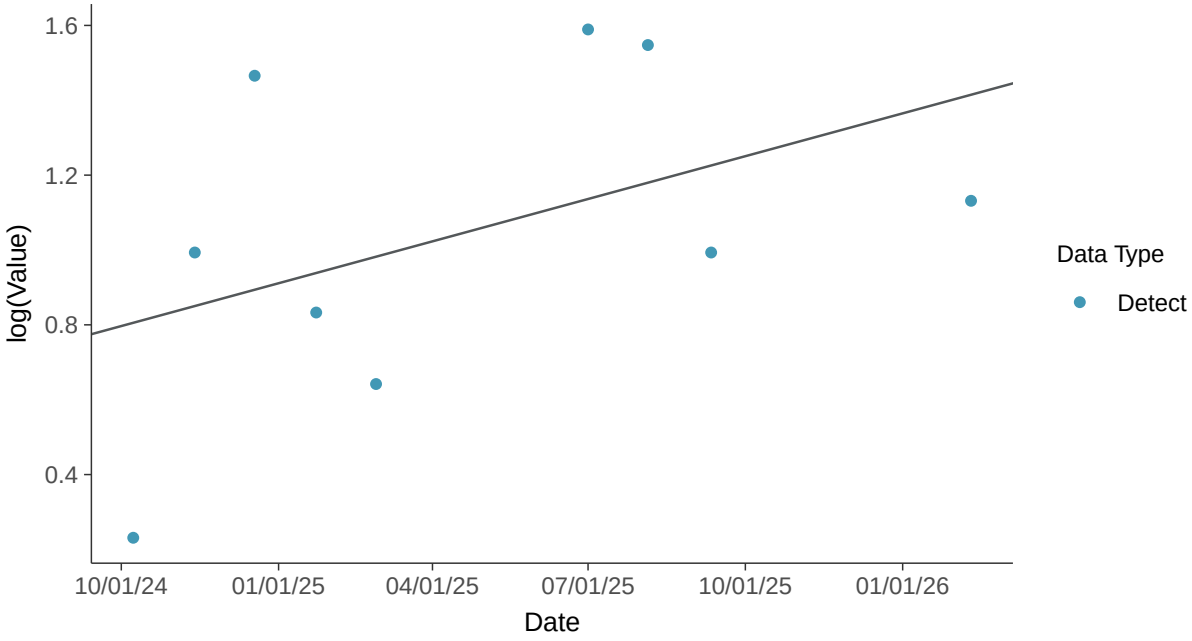
Gamma Q-Q plot

Iron, MW-17C (mg/l)



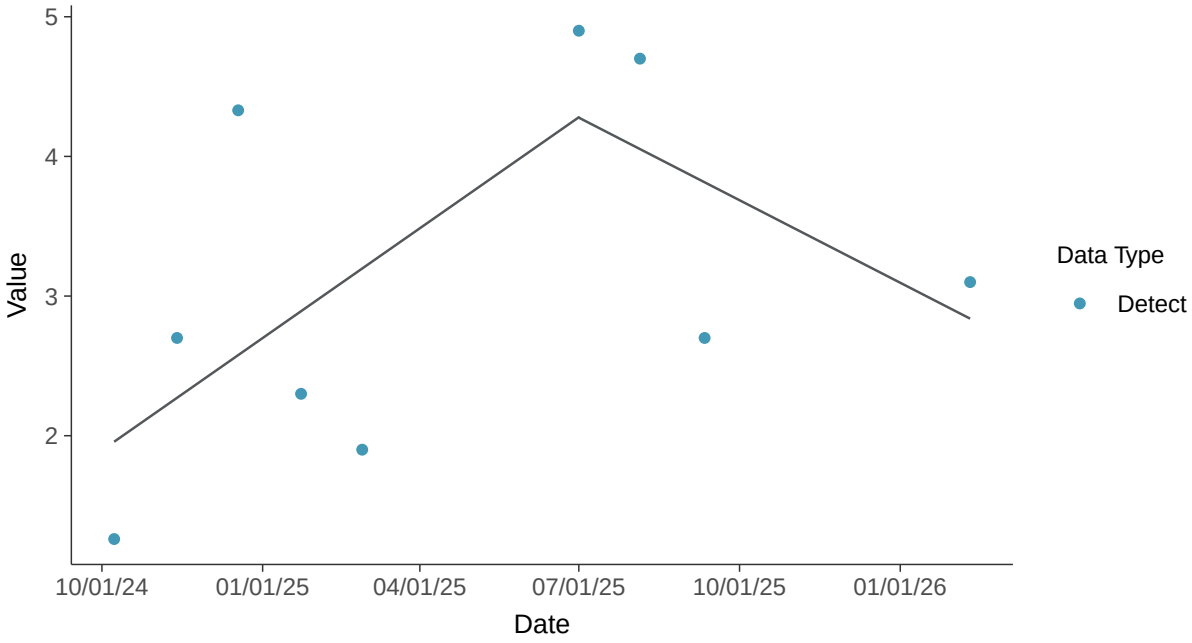
Trend Regression: Lognormal MLE

Iron, MW-17C (mg/l)



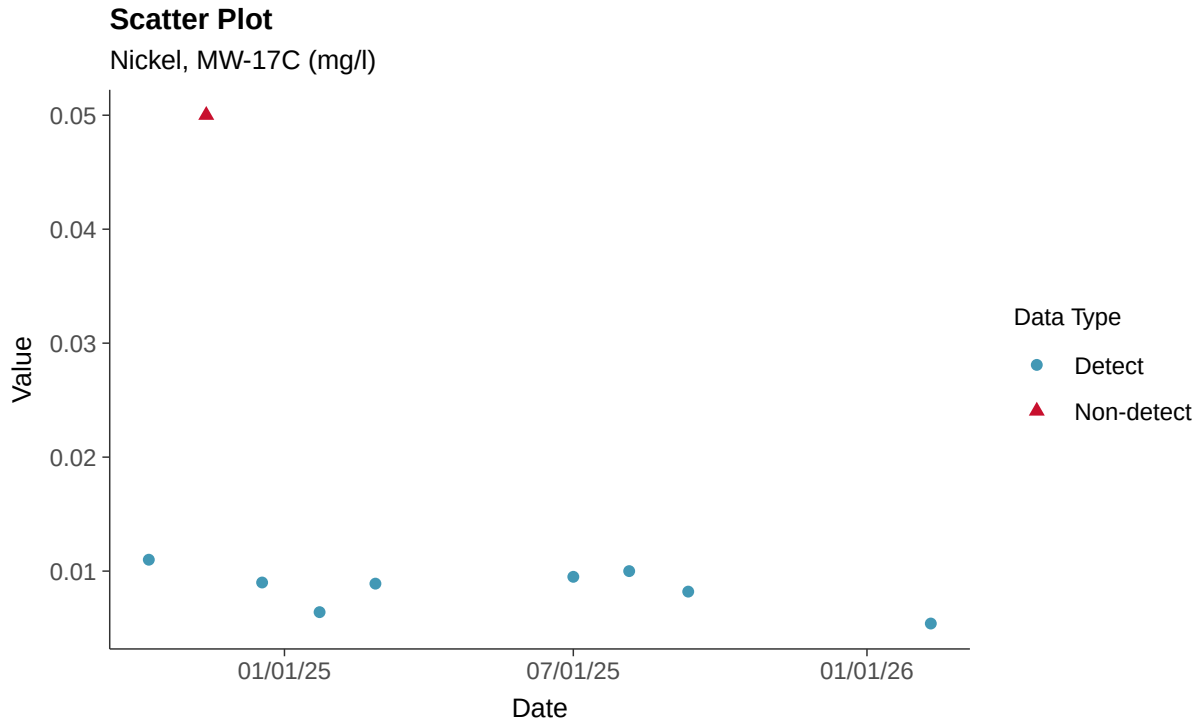
Trend Regression: Piecewise Linear-Linear

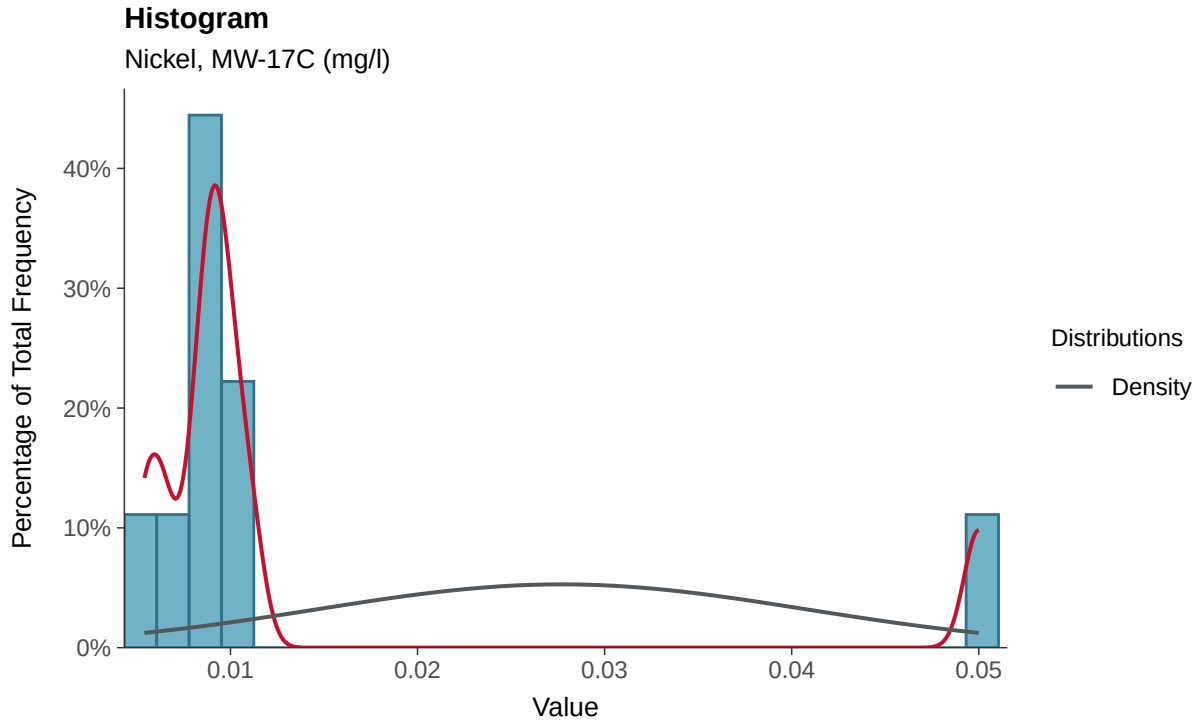
Iron, MW-17C (mg/l)



Part 115: Nickel, MW-17C

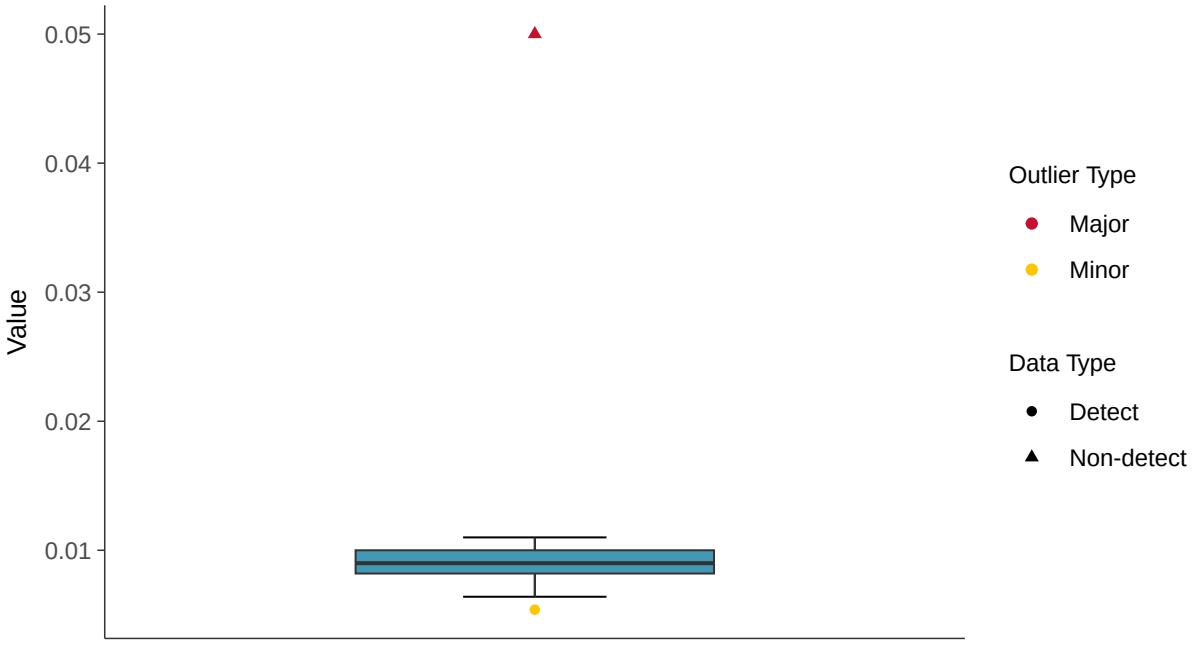
ID: 27_5_119





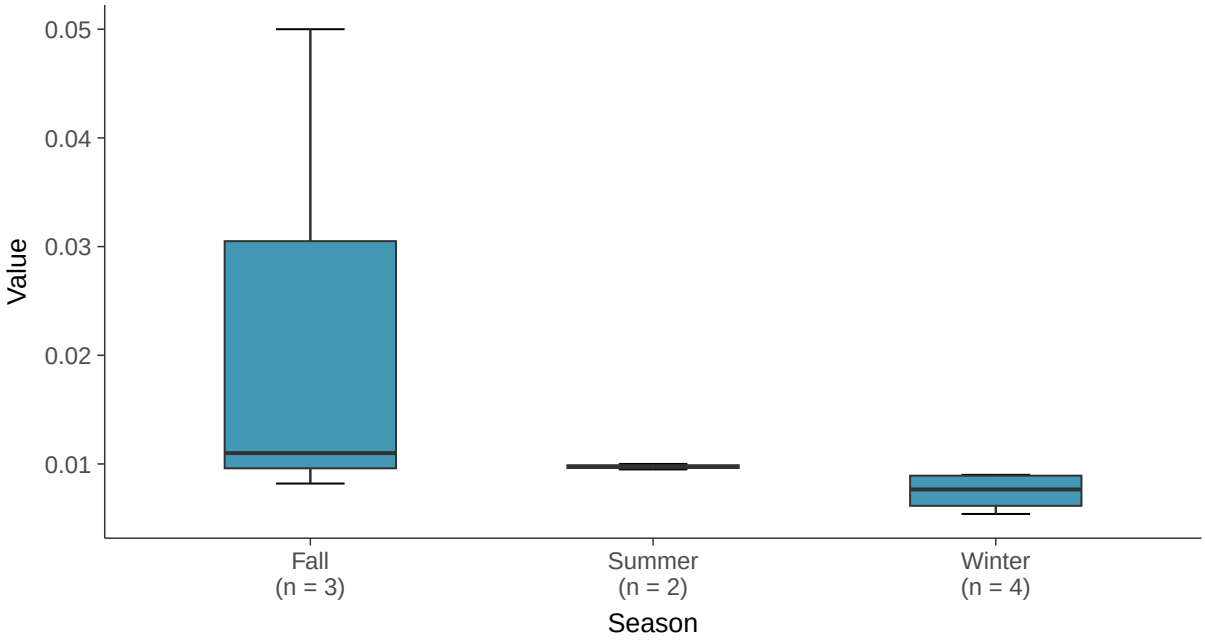
Boxplot

Nickel, MW-17C (mg/l)



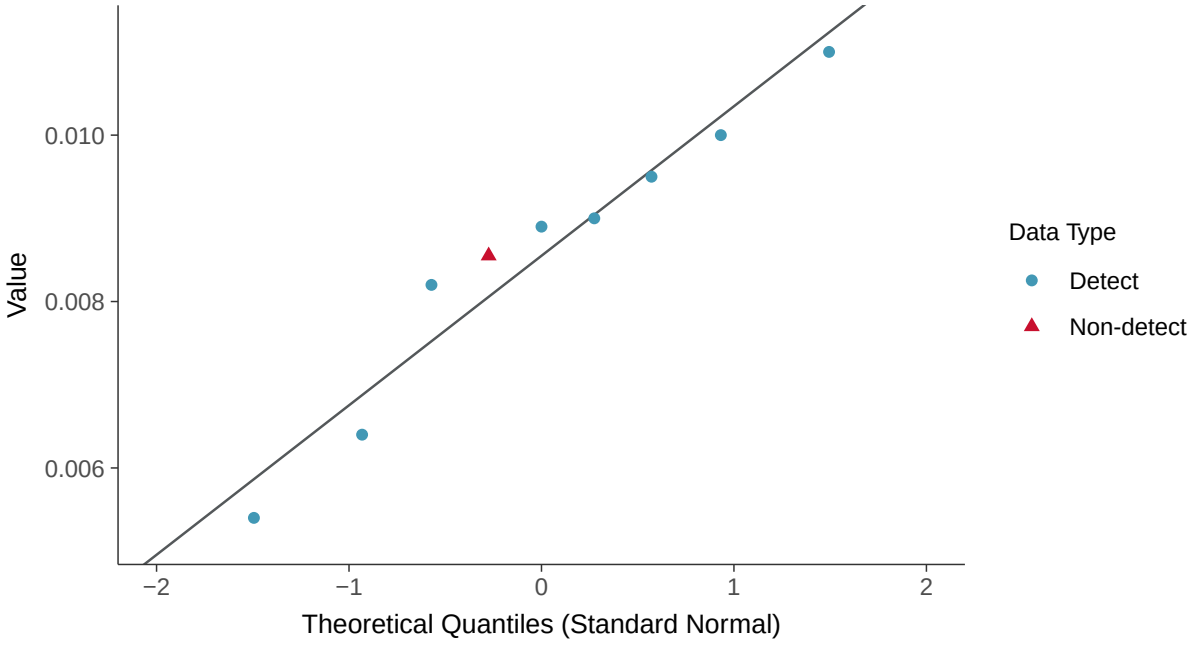
Boxplot by Season

Nickel, MW-17C (mg/l)



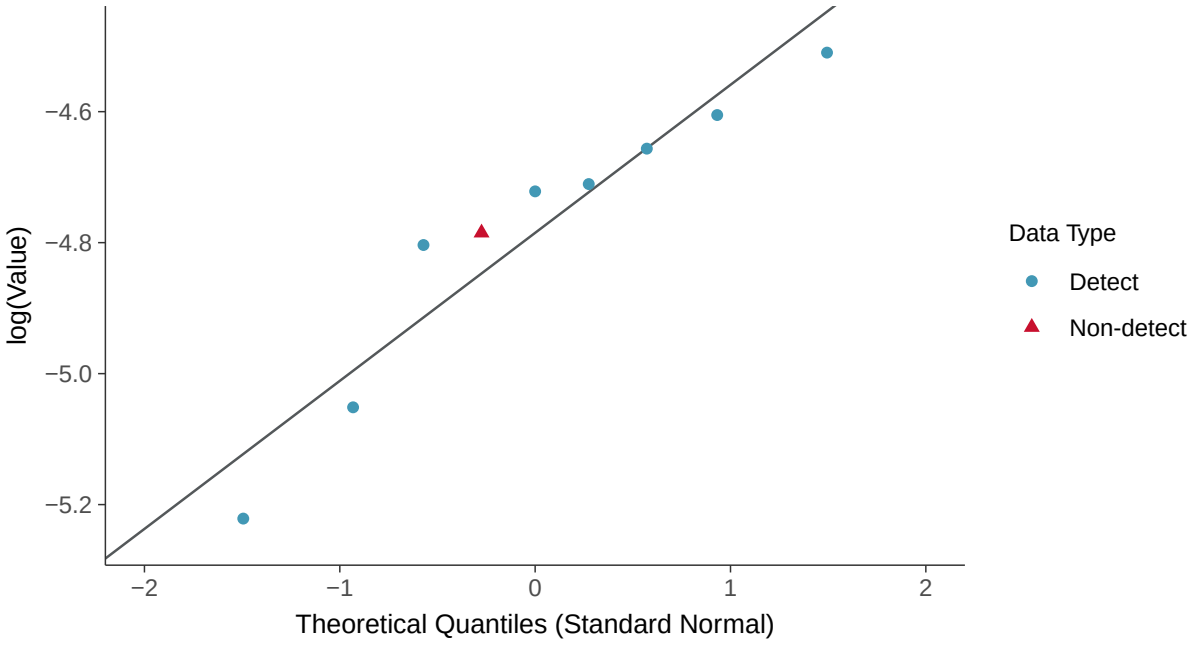
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-17C (mg/l)



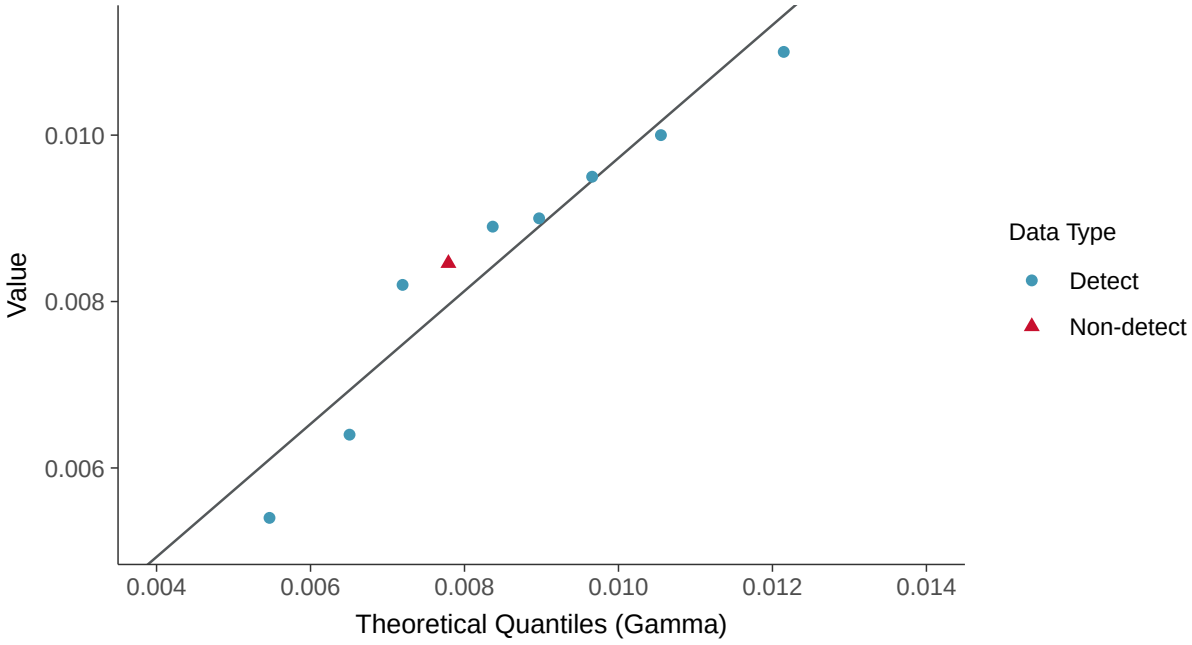
Lognormal Q-Q plot using ROS Imputed Estimates

Nickel, MW-17C (mg/l)



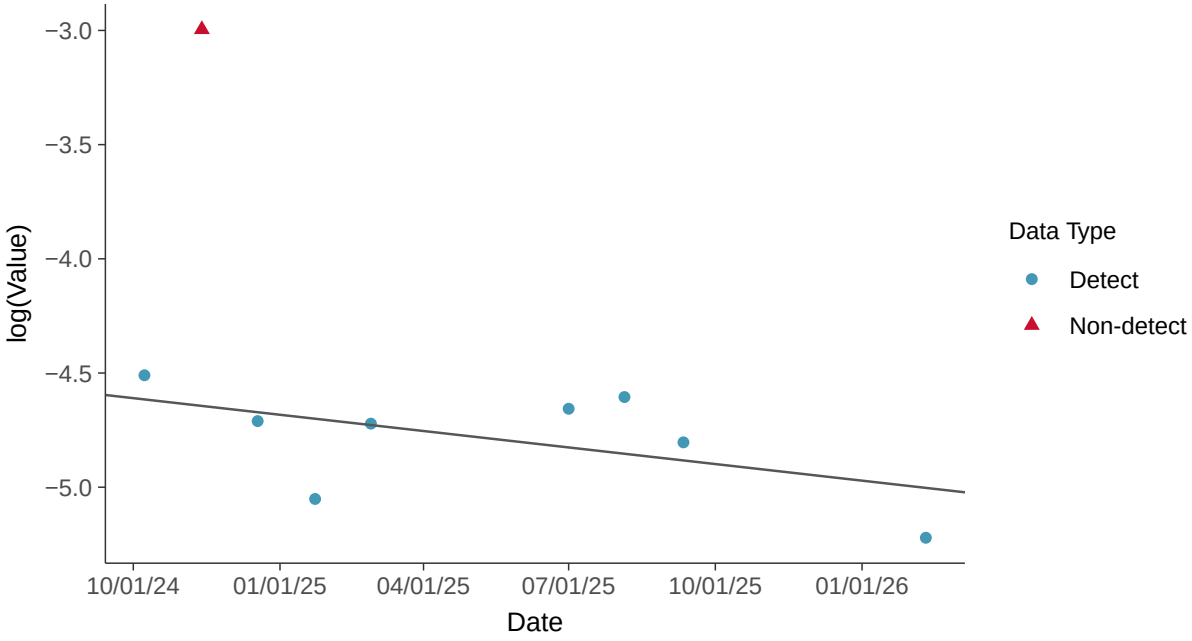
Gamma Q-Q plot using ROS Imputed Estimates

Nickel, MW-17C (mg/l)



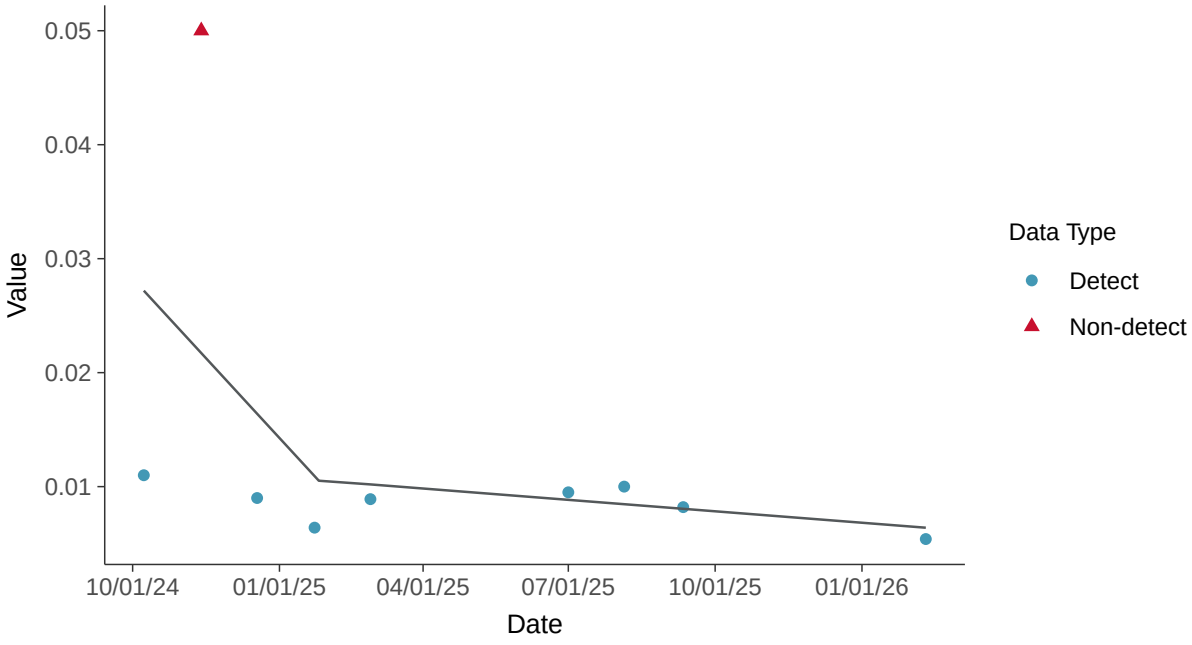
Trend Regression: Lognormal MLE

Nickel, MW-17C (mg/l)



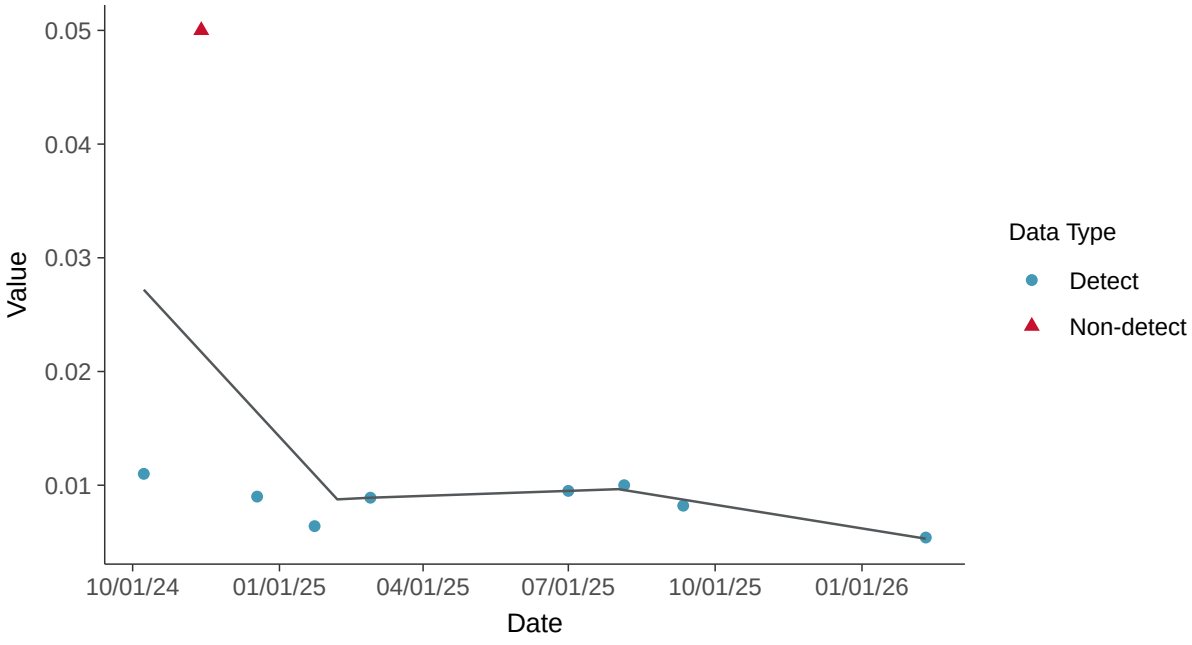
Trend Regression: Piecewise Linear-Linear

Nickel, MW-17C (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Nickel, MW-17C (mg/l)

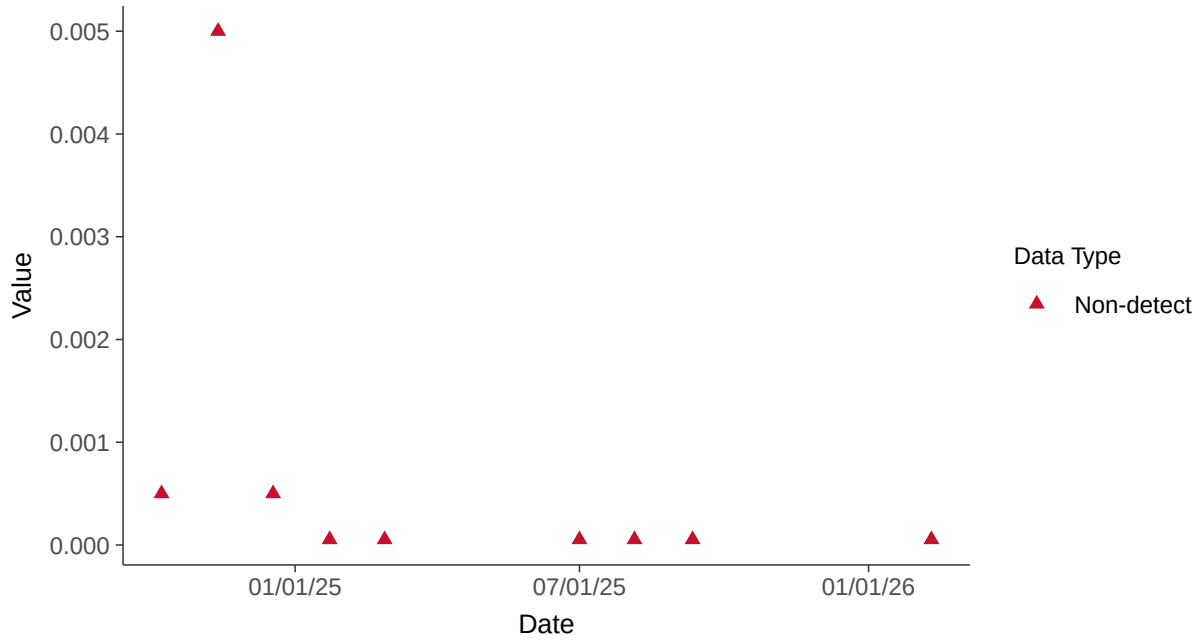


Part 115: Silver, MW-17C

ID: 27_5_123

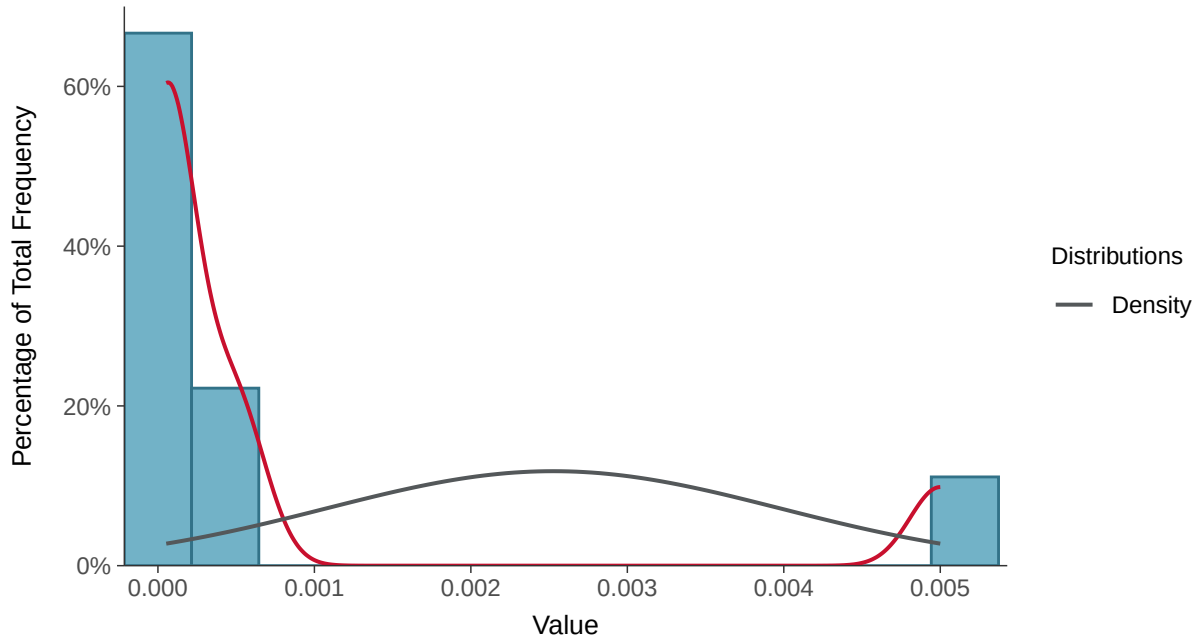
Scatter Plot

Silver, MW-17C (mg/l)



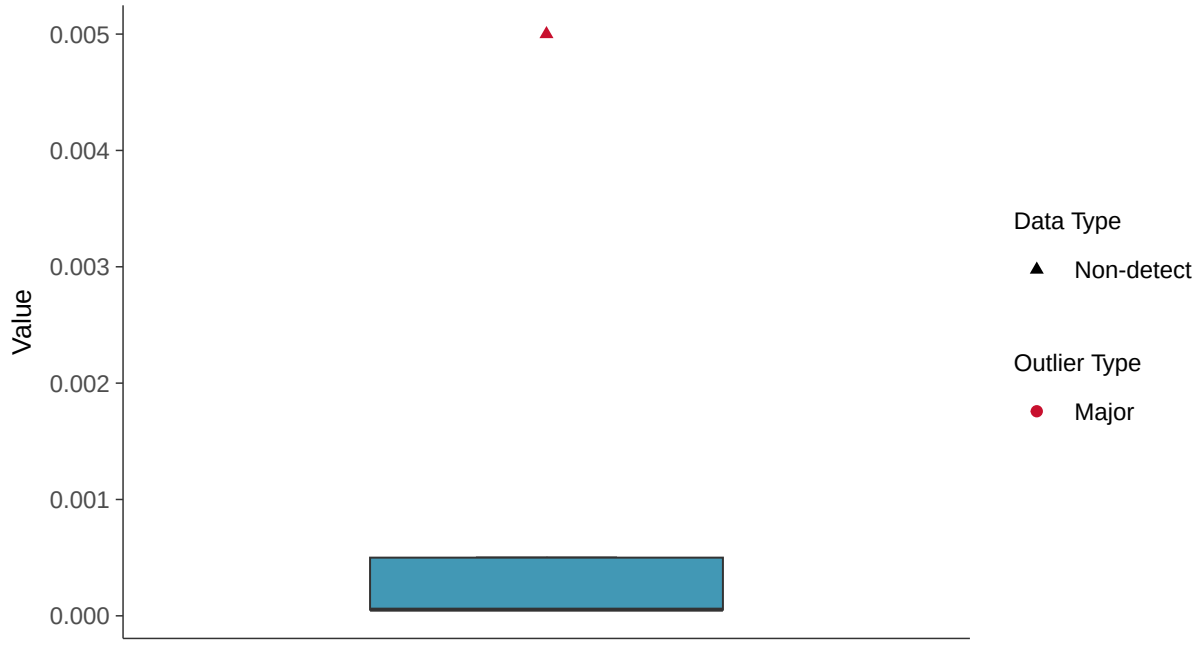
Histogram

Silver, MW-17C (mg/l)



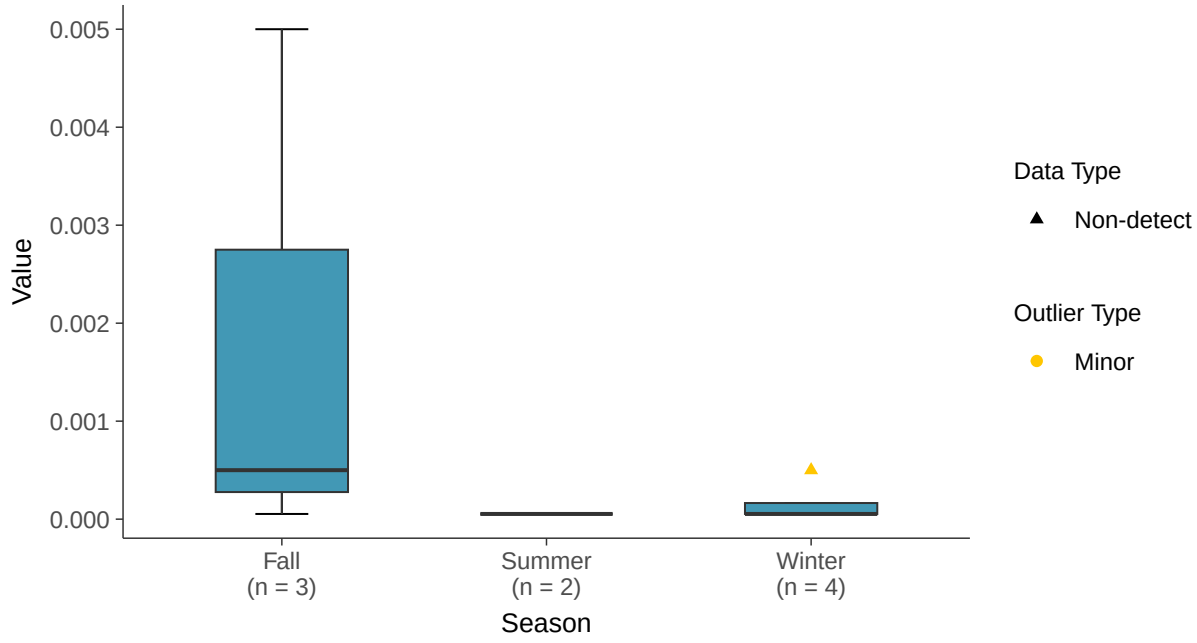
Boxplot

Silver, MW-17C (mg/l)



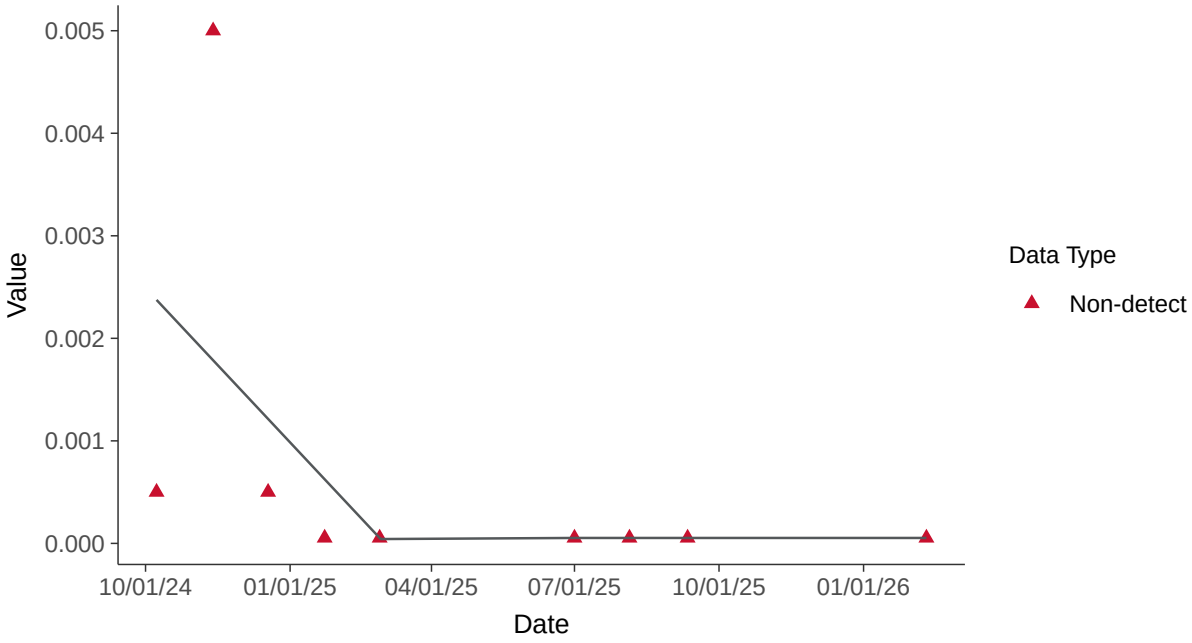
Boxplot by Season

Silver, MW-17C (mg/l)



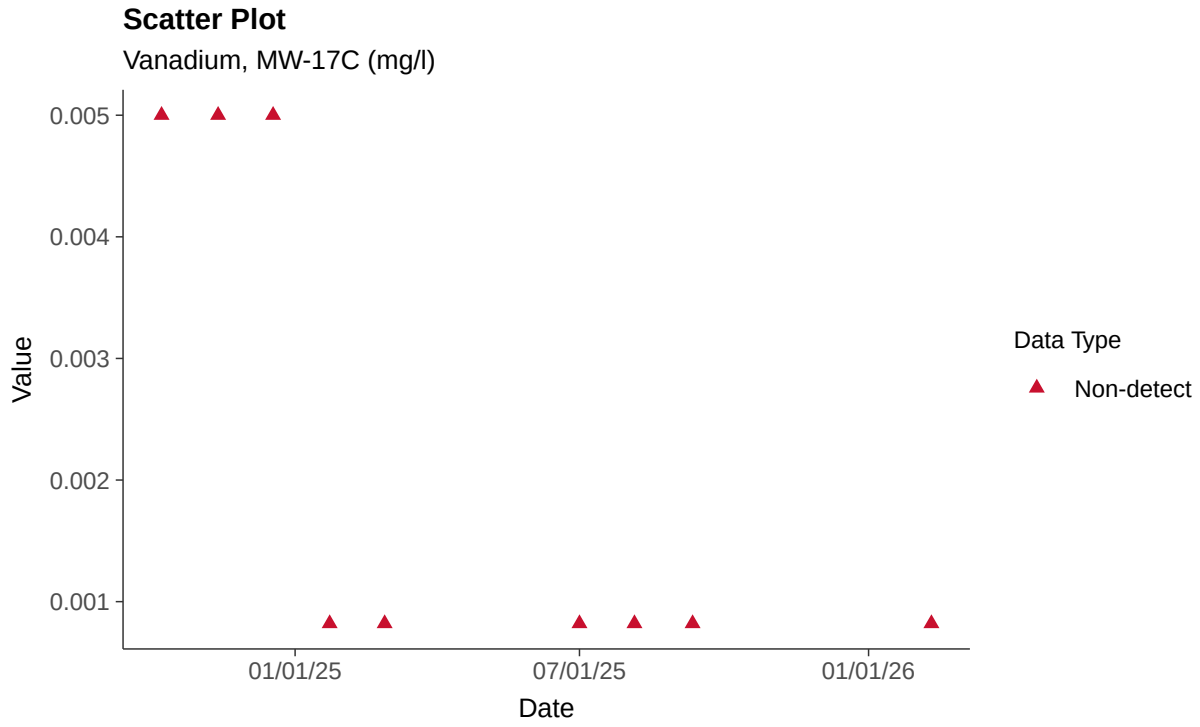
Trend Regression: Piecewise Linear-Linear

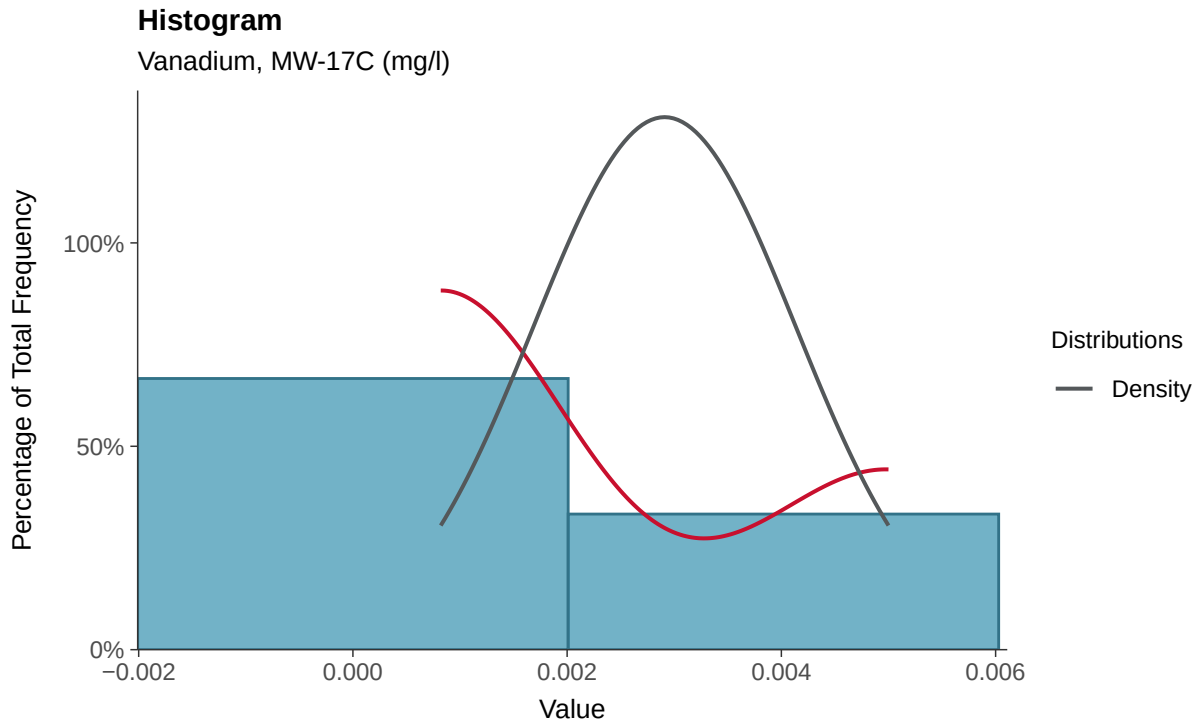
Silver, MW-17C (mg/l)



Part 115: Vanadium, MW-17C

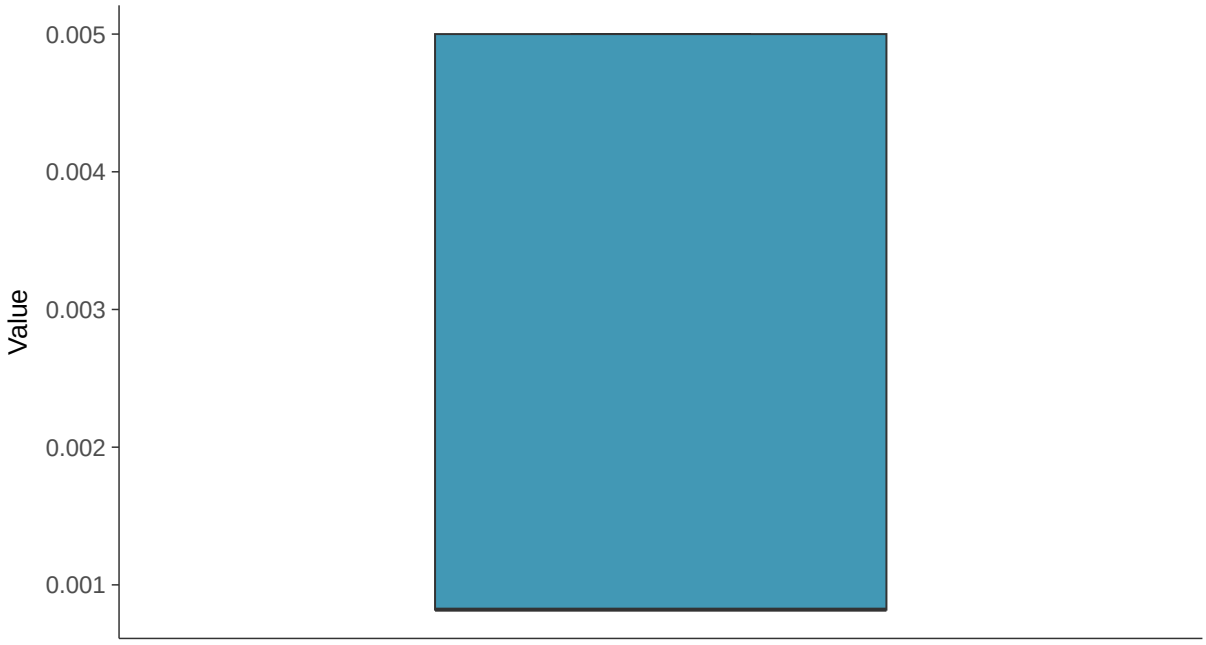
ID: 27_5_128





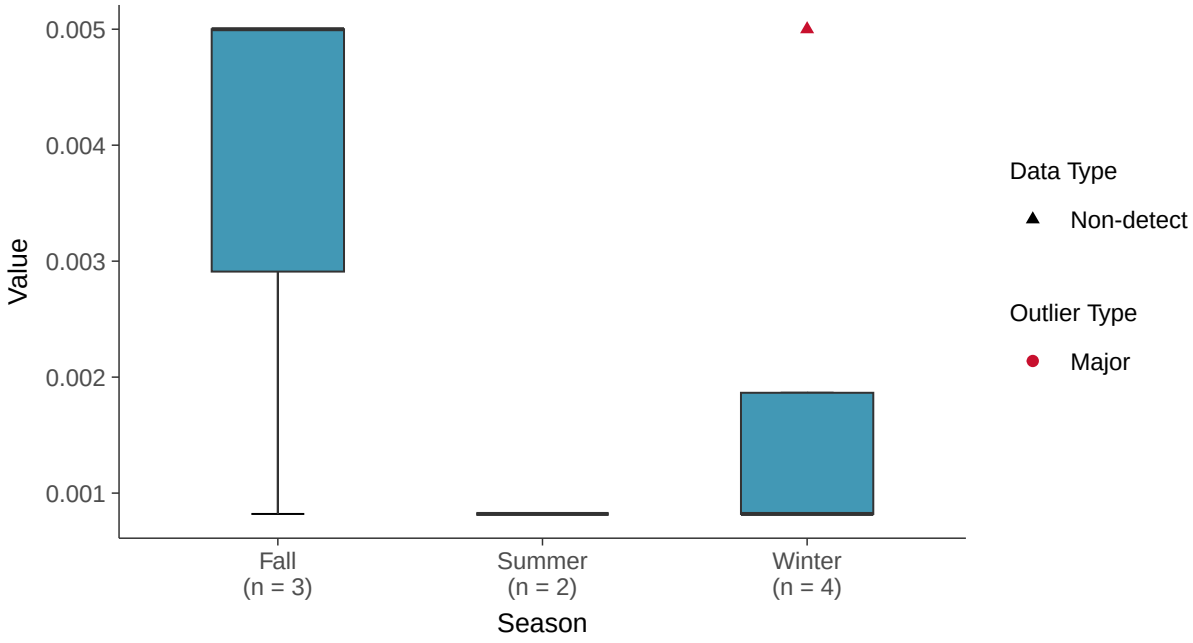
Boxplot

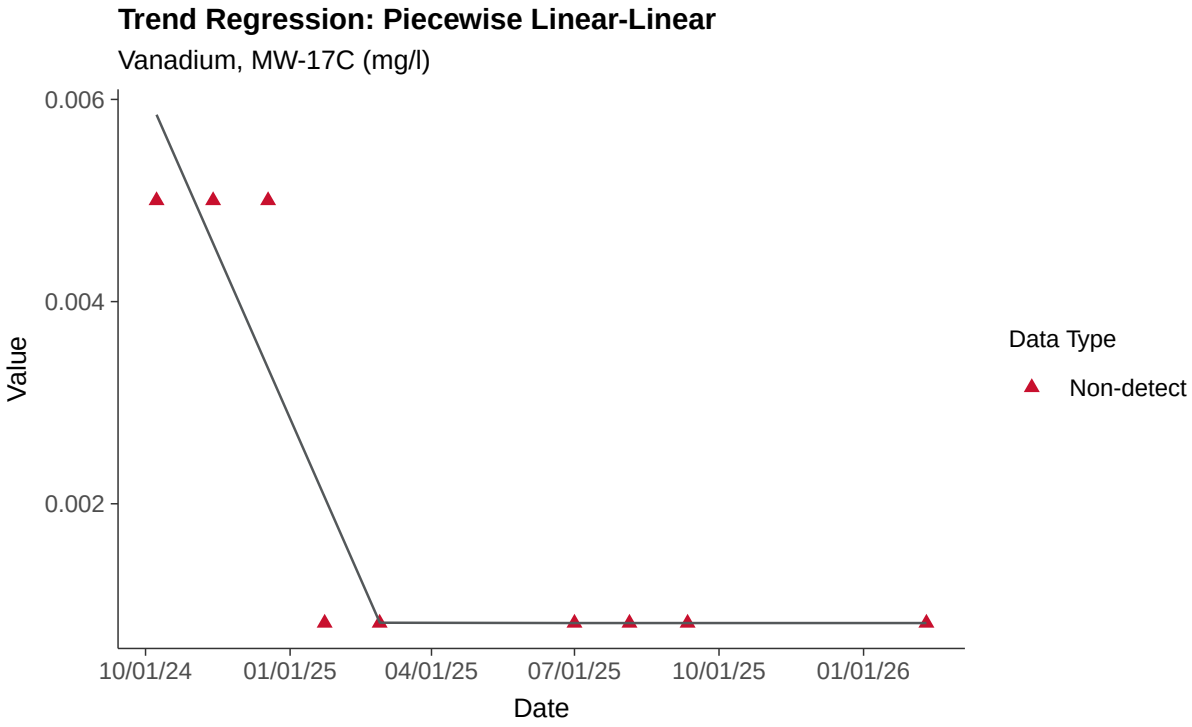
Vanadium, MW-17C (mg/l)



Boxplot by Season

Vanadium, MW-17C (mg/l)



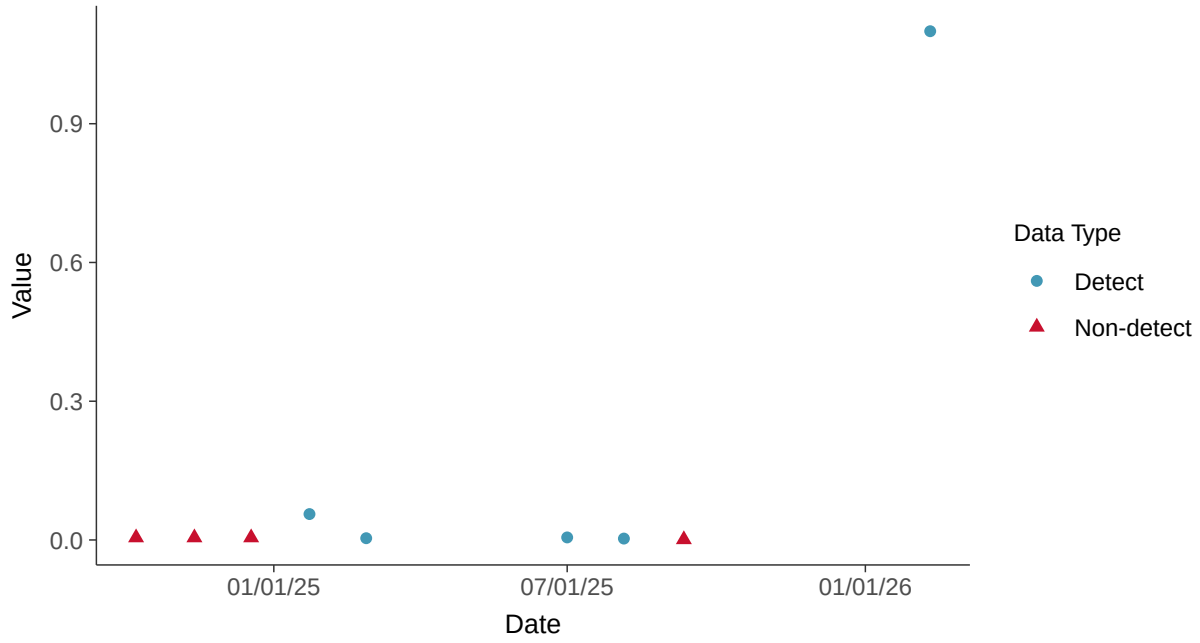

Trend Regression: Piecewise Linear-Linear
Vanadium, MW-17C (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-17C

ID: 27_5_129

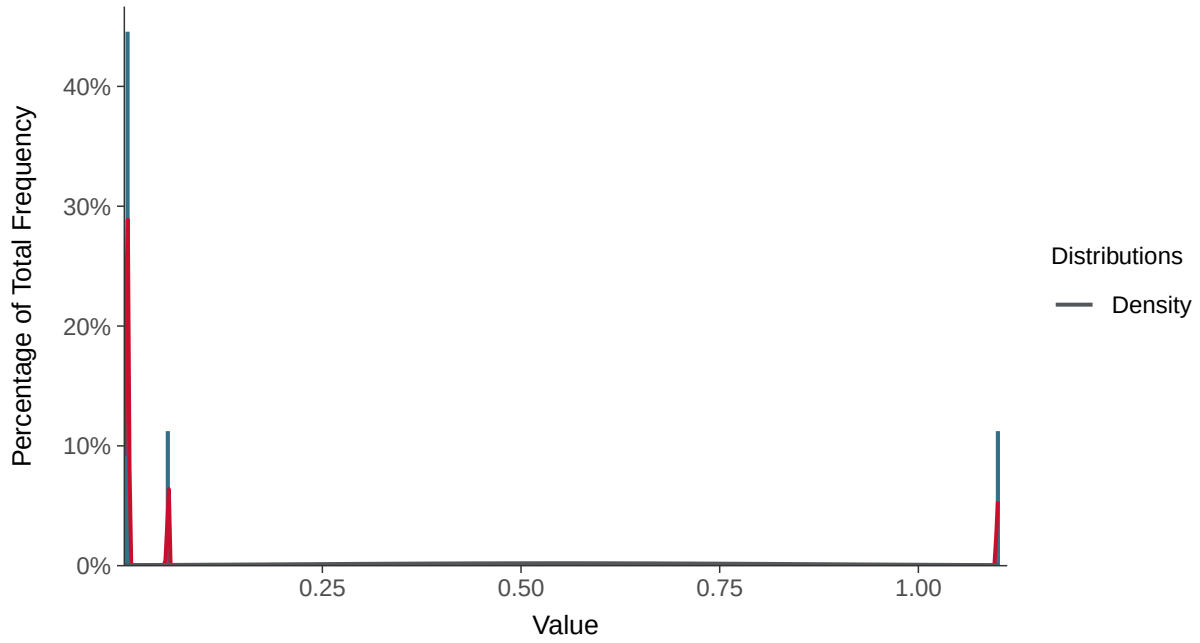
Scatter Plot

Zinc, MW-17C (mg/l)



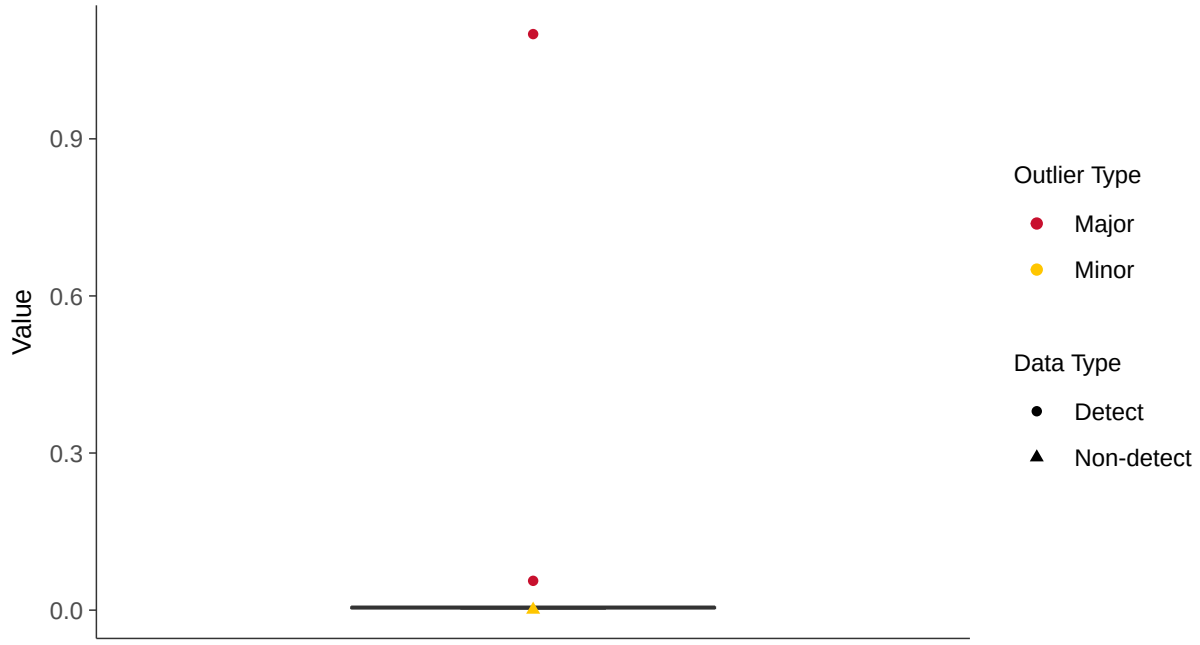
Histogram

Zinc, MW-17C (mg/l)



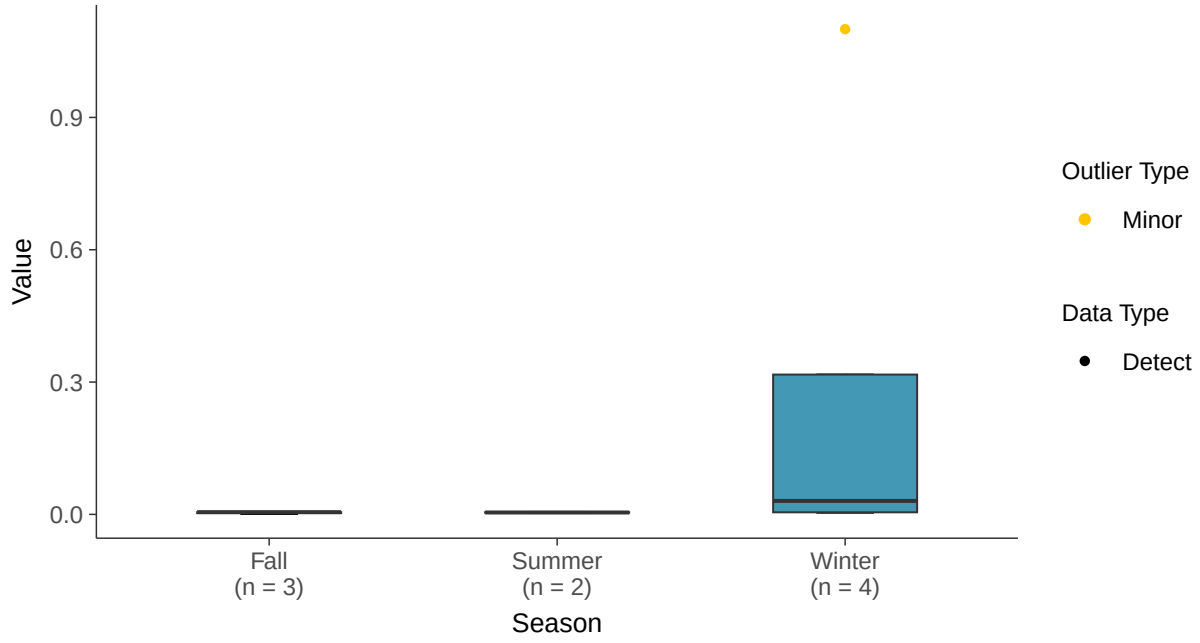
Boxplot

Zinc, MW-17C (mg/l)



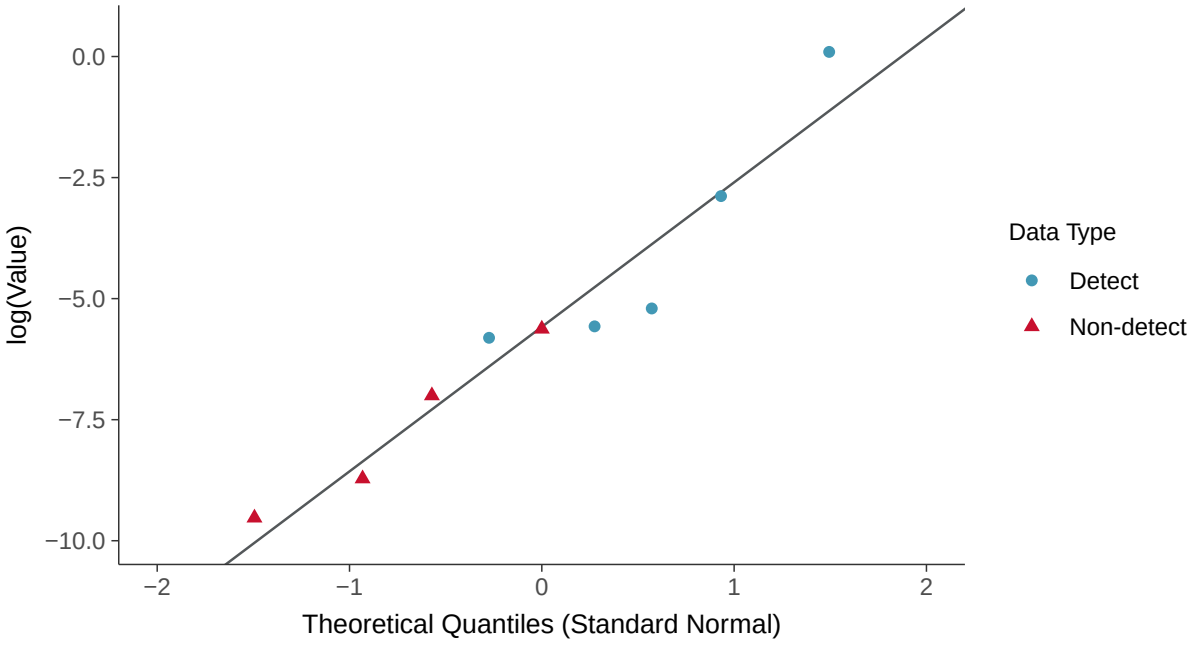
Boxplot by Season

Zinc, MW-17C (mg/l)



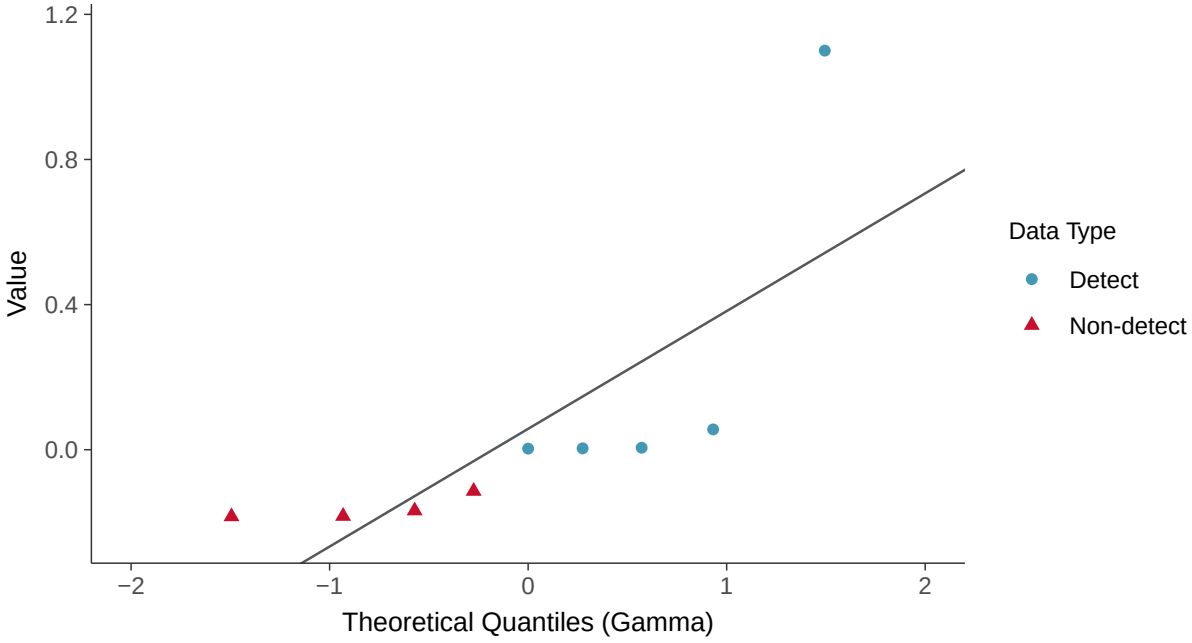
Lognormal Q-Q plot using ROS Imputed Estimates

Zinc, MW-17C (mg/l)



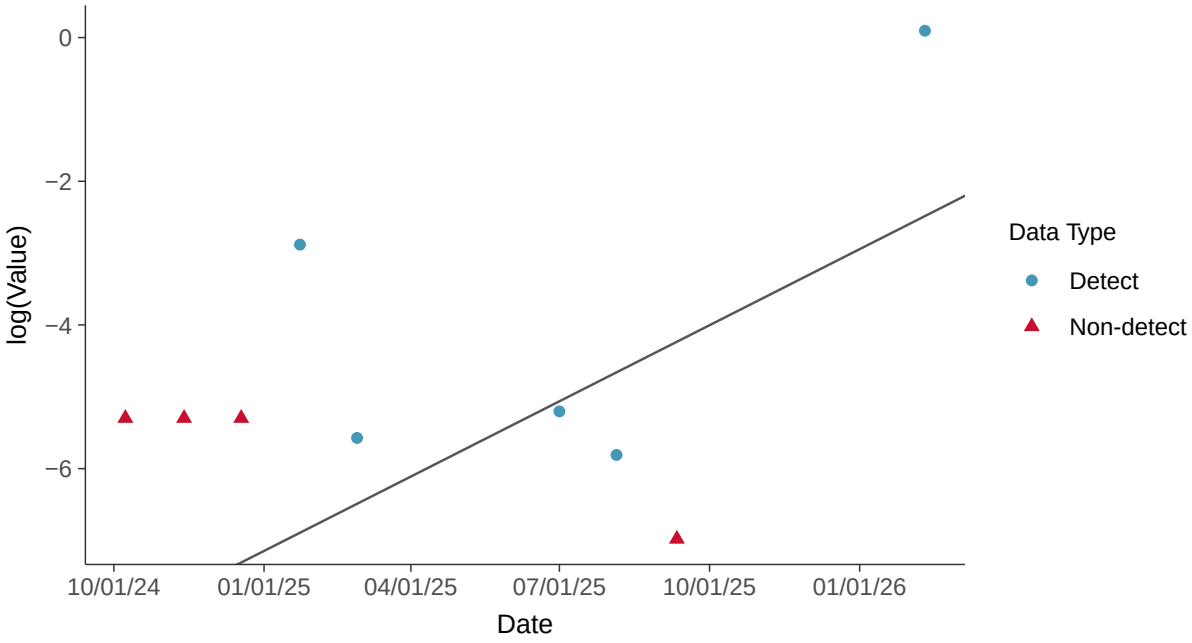
Gamma Q-Q plot using ROS Imputed Estimates

Zinc, MW-17C (mg/l)



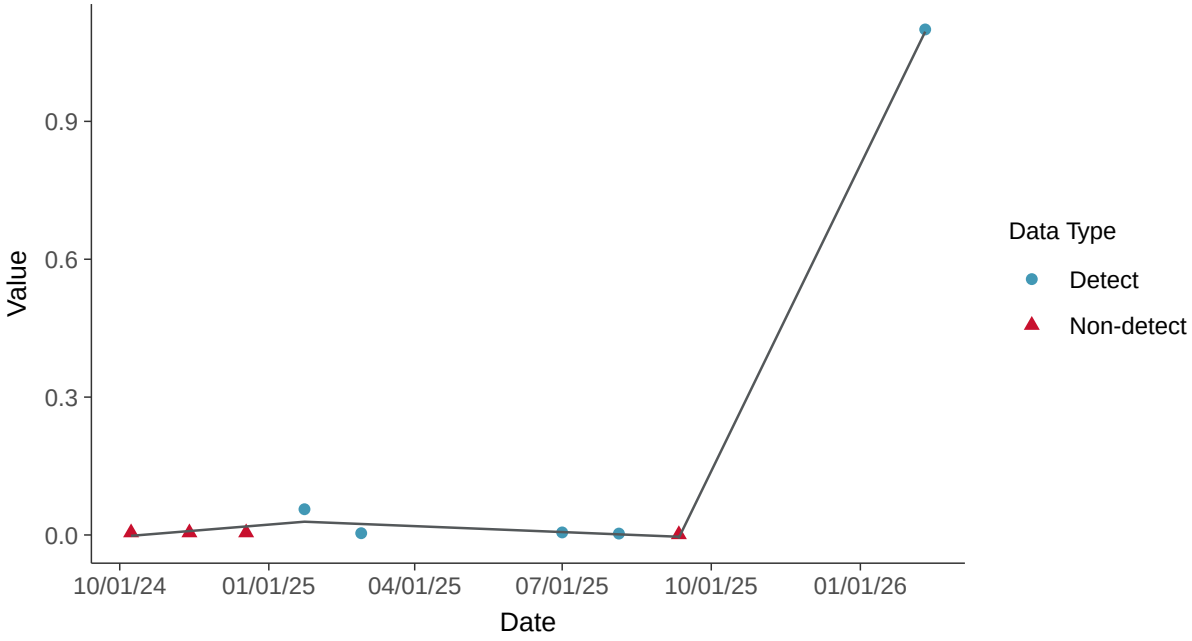
Trend Regression: Lognormal MLE

Zinc, MW-17C (mg/l)



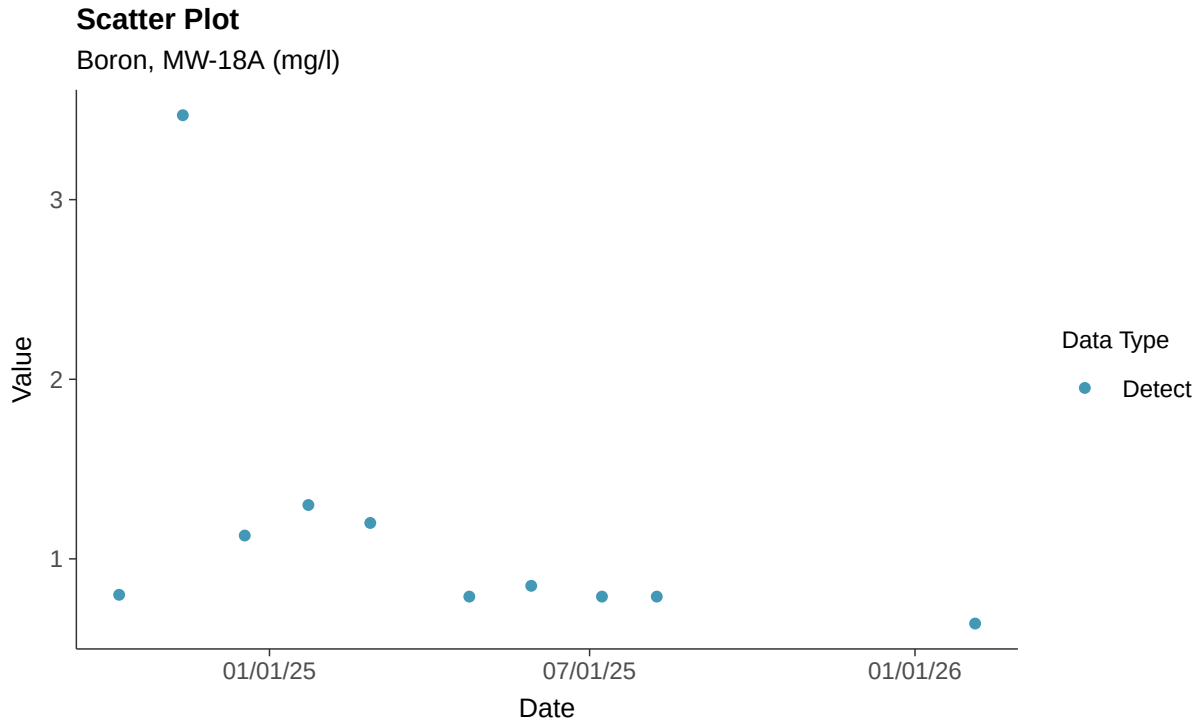
Trend Regression: Piecewise Linear-Linear-Linear

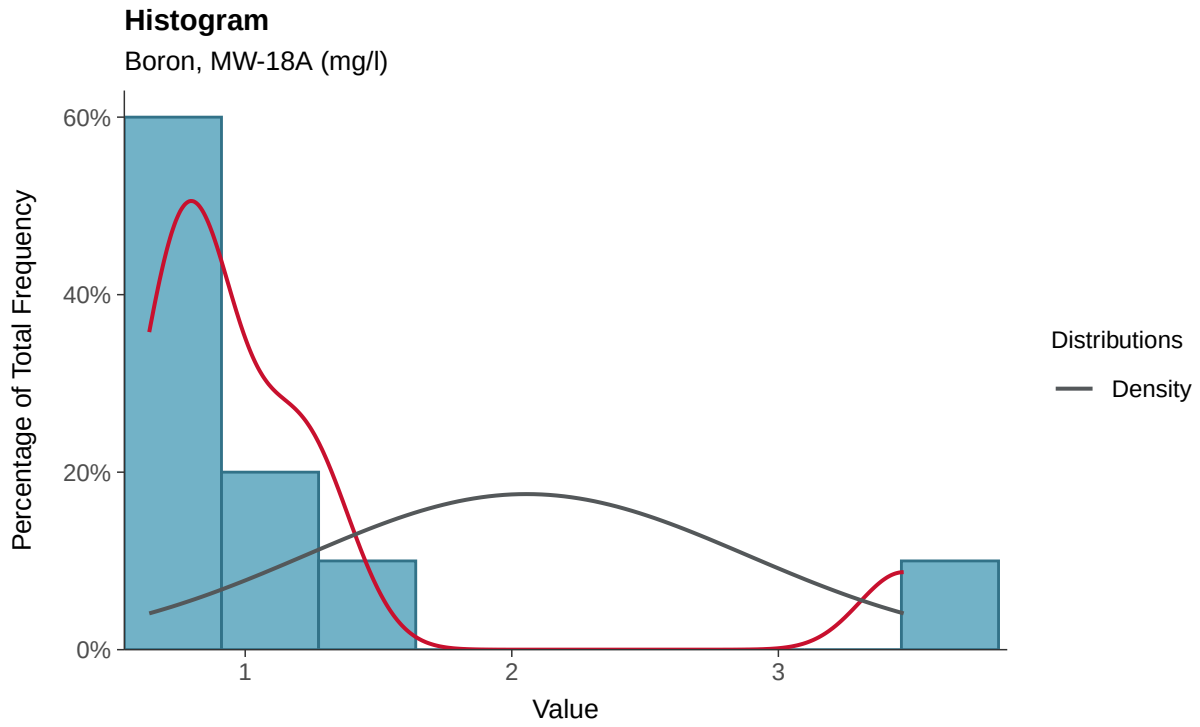
Zinc, MW-17C (mg/l)



Appendix III: Boron, MW-18A

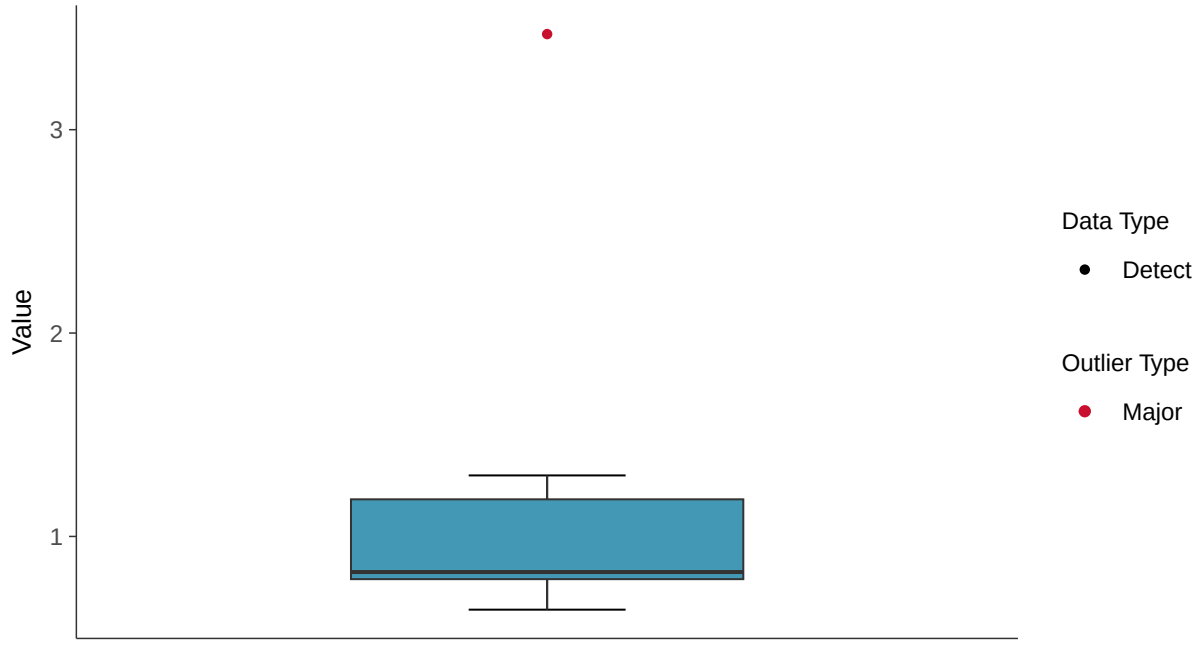
ID: 28_2_105





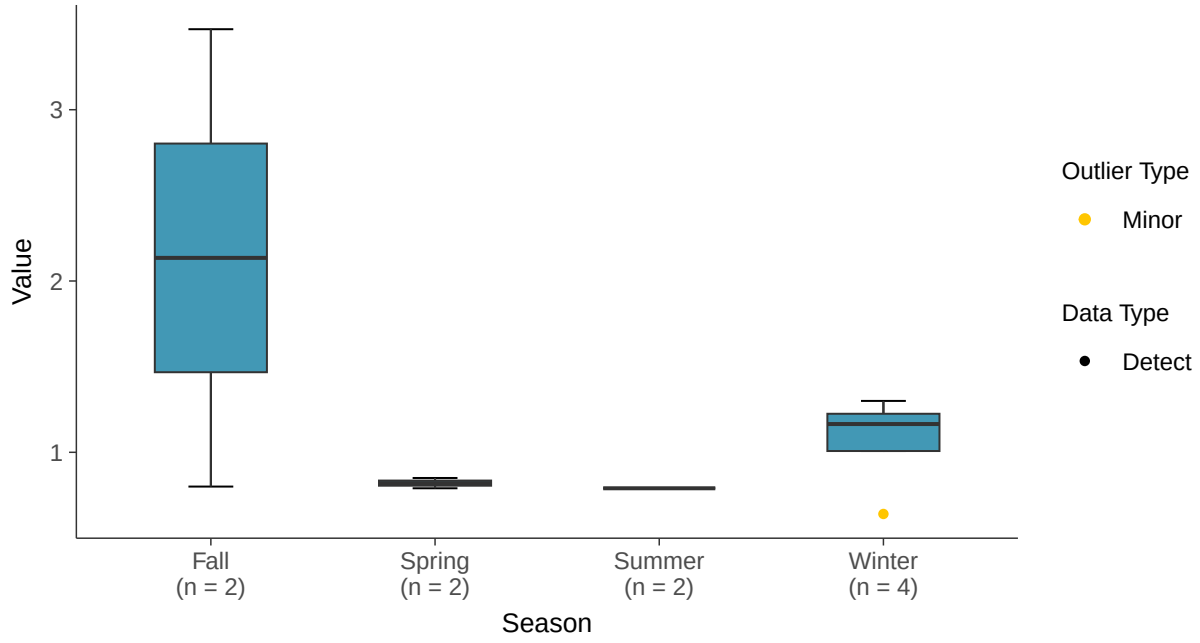
Boxplot

Boron, MW-18A (mg/l)



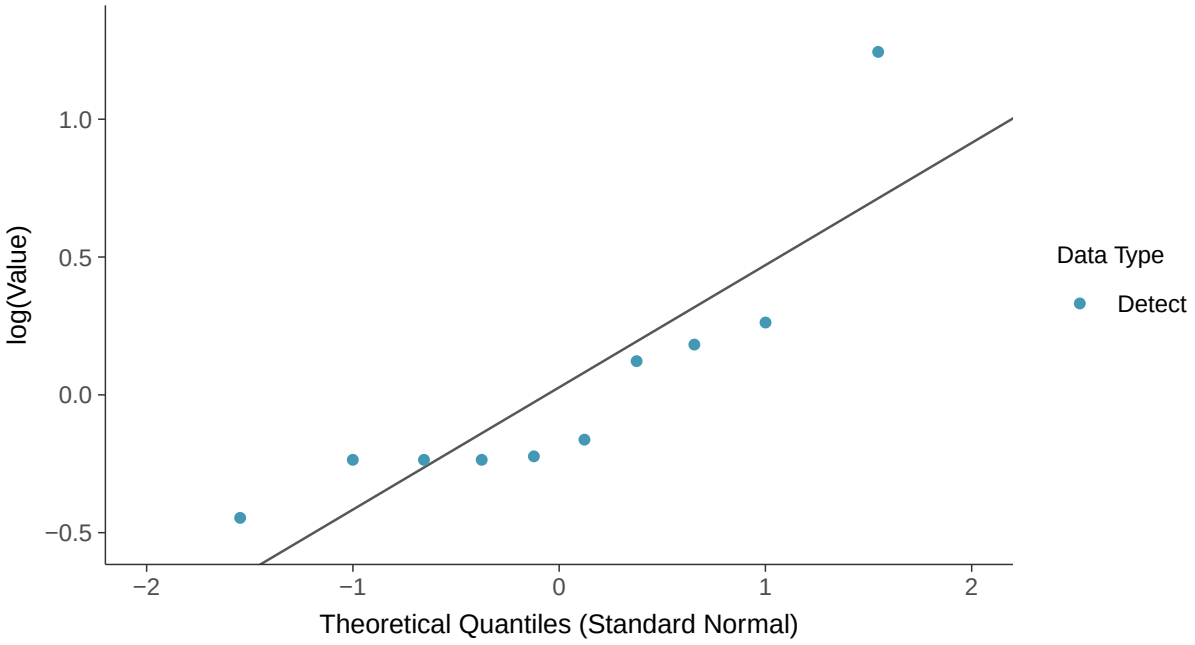
Boxplot by Season

Boron, MW-18A (mg/l)



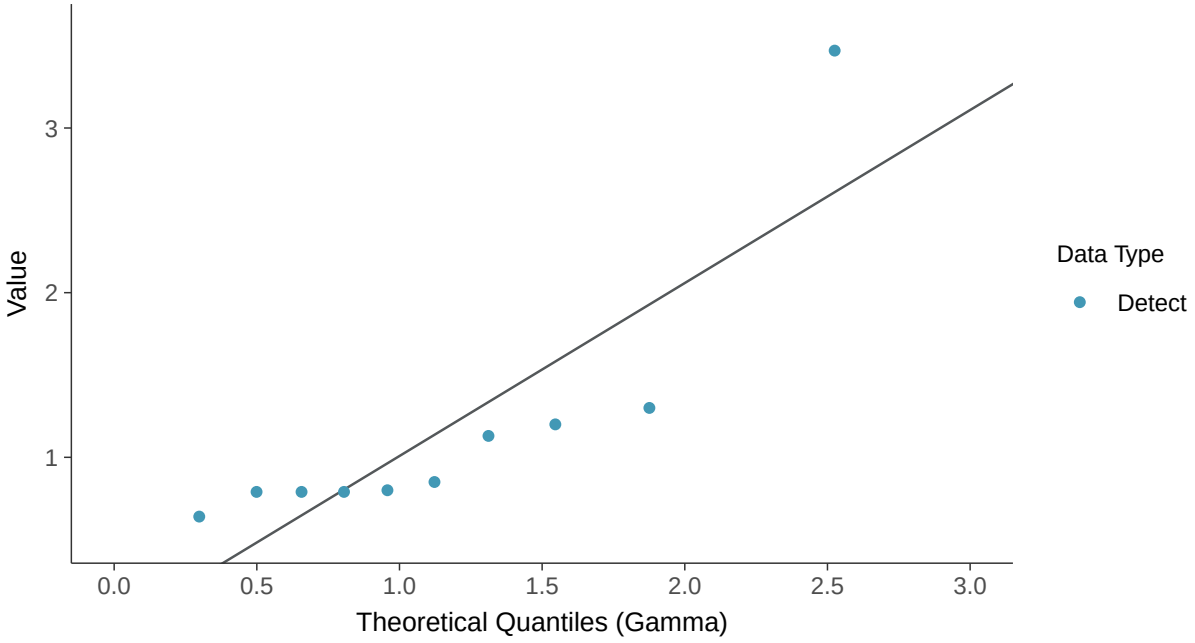
Lognormal Q-Q plot

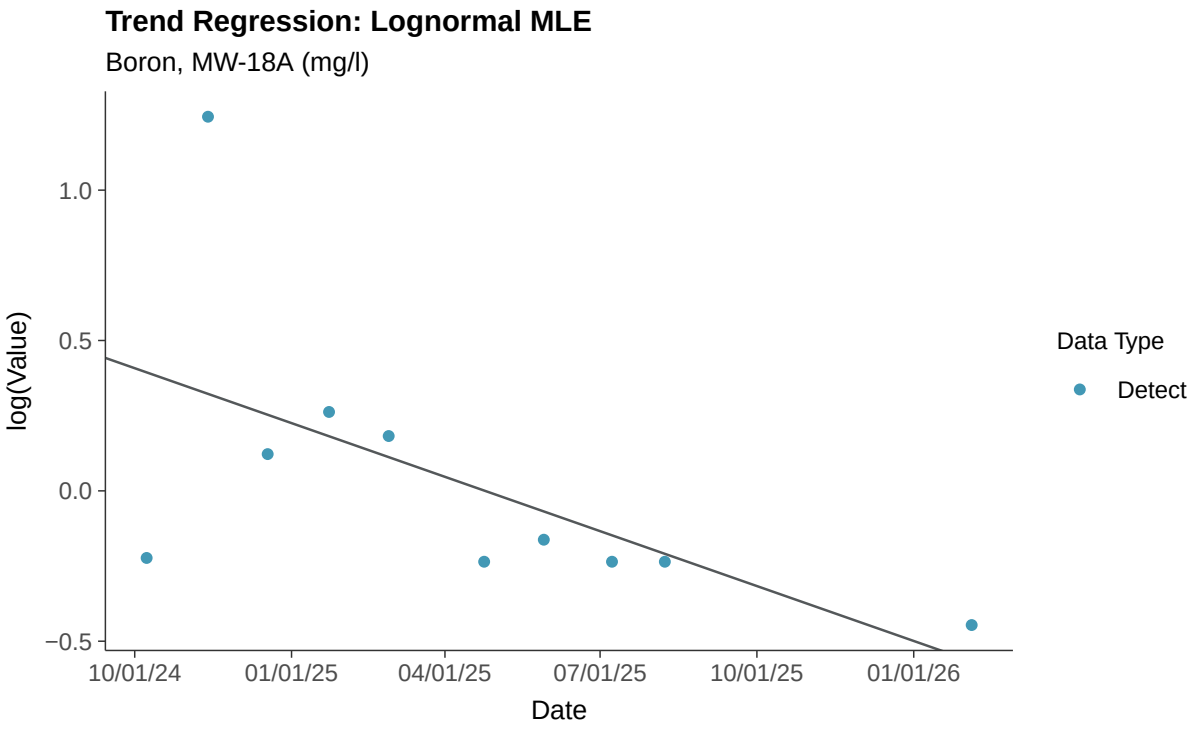
Boron, MW-18A (mg/l)



Gamma Q-Q plot

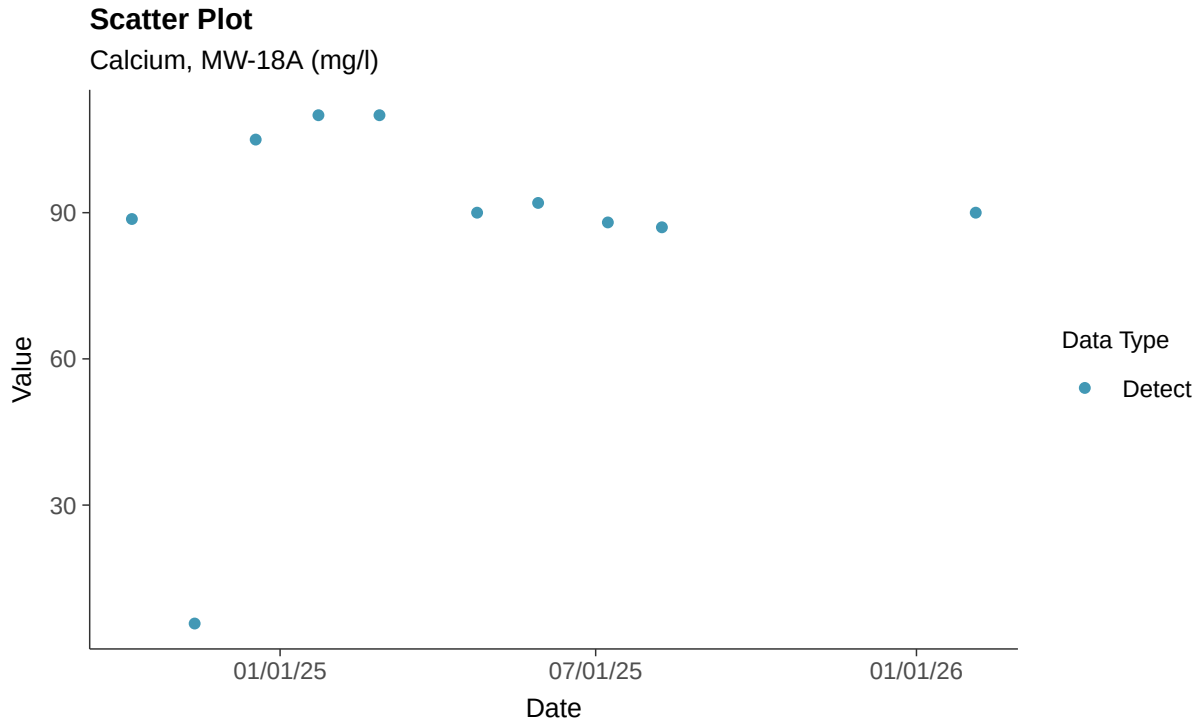
Boron, MW-18A (mg/l)

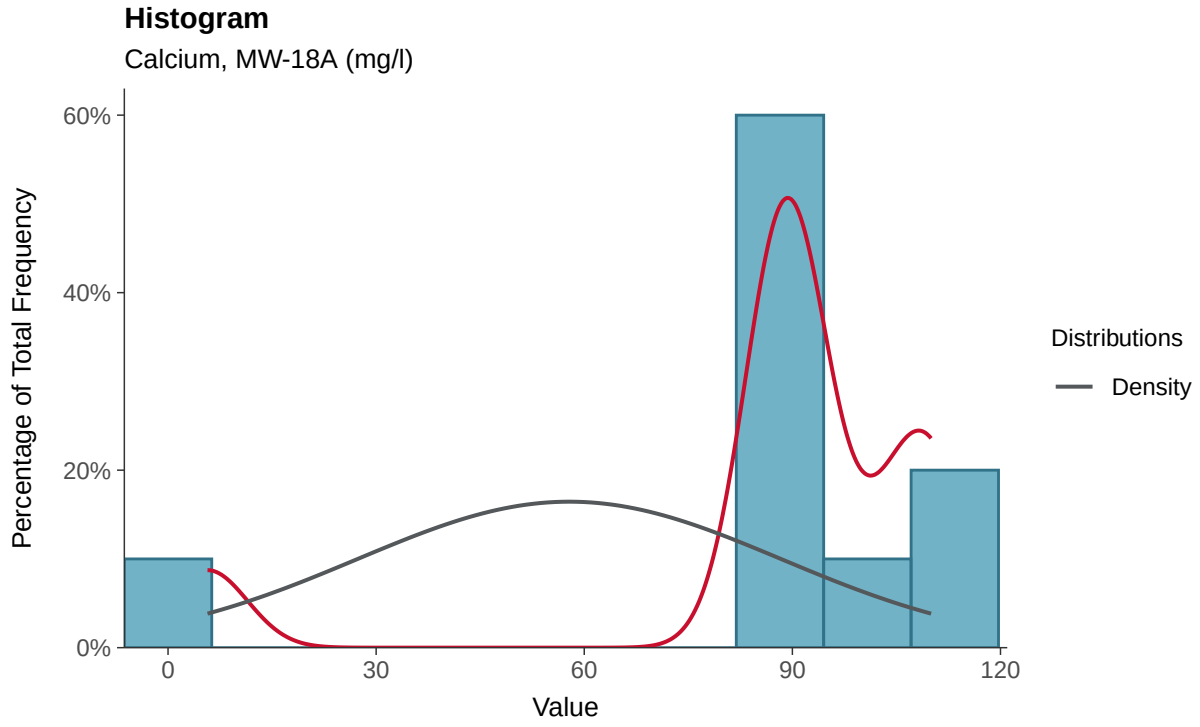



Trend Regression: Lognormal MLE
Boron, MW-18A (mg/l)
log(Value)
1.0
0.5
0.0
−0.5
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Calcium, MW-18A

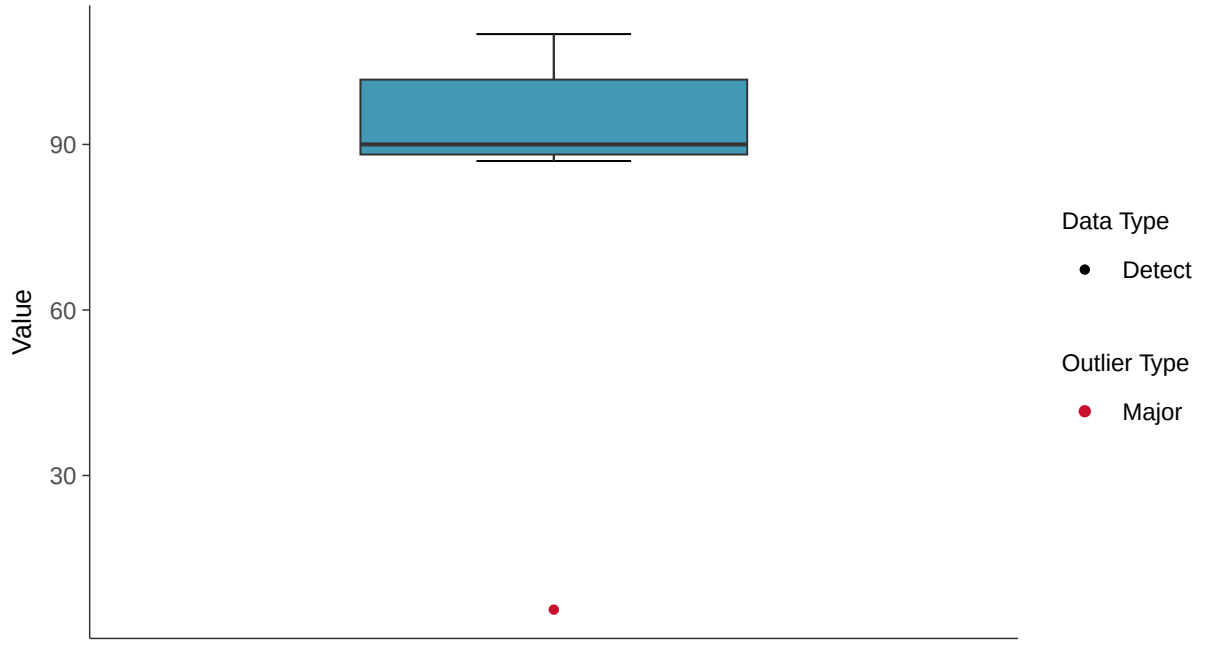
ID: 28_2_107





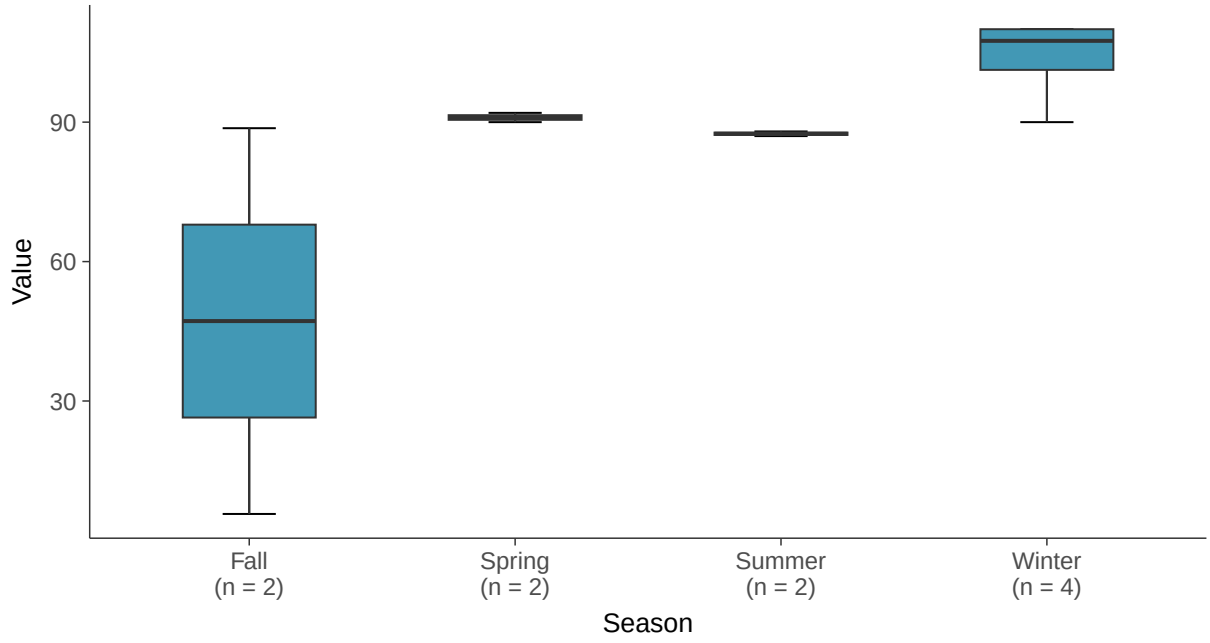
Boxplot

Calcium, MW-18A (mg/l)



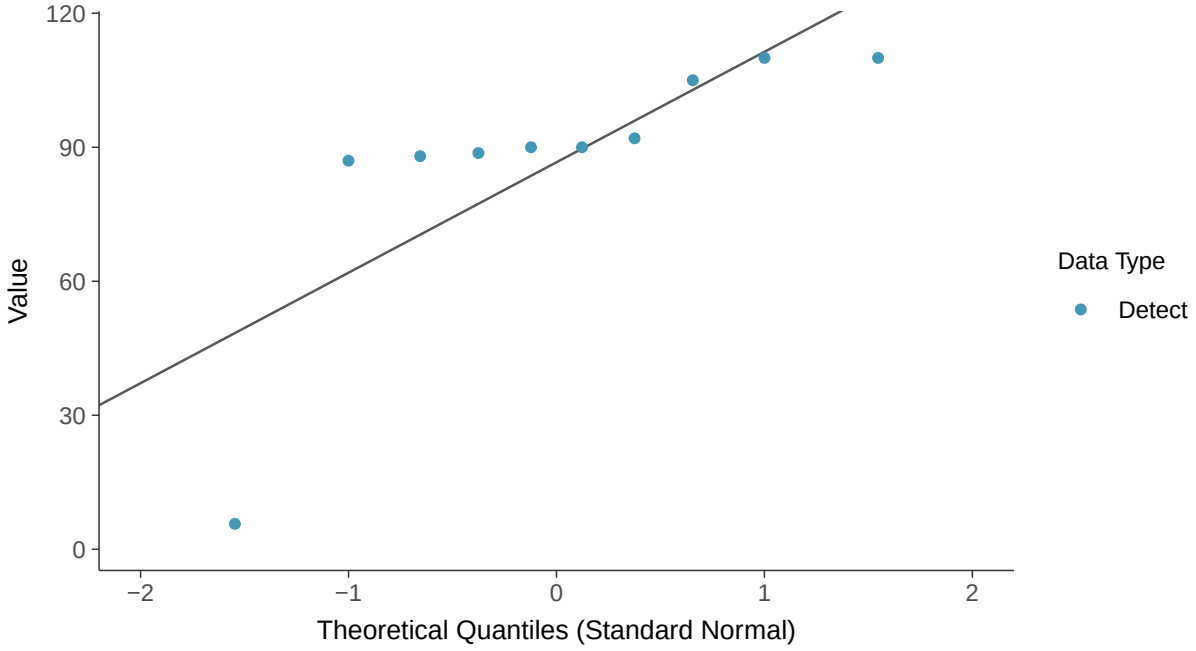
Boxplot by Season

Calcium, MW-18A (mg/l)



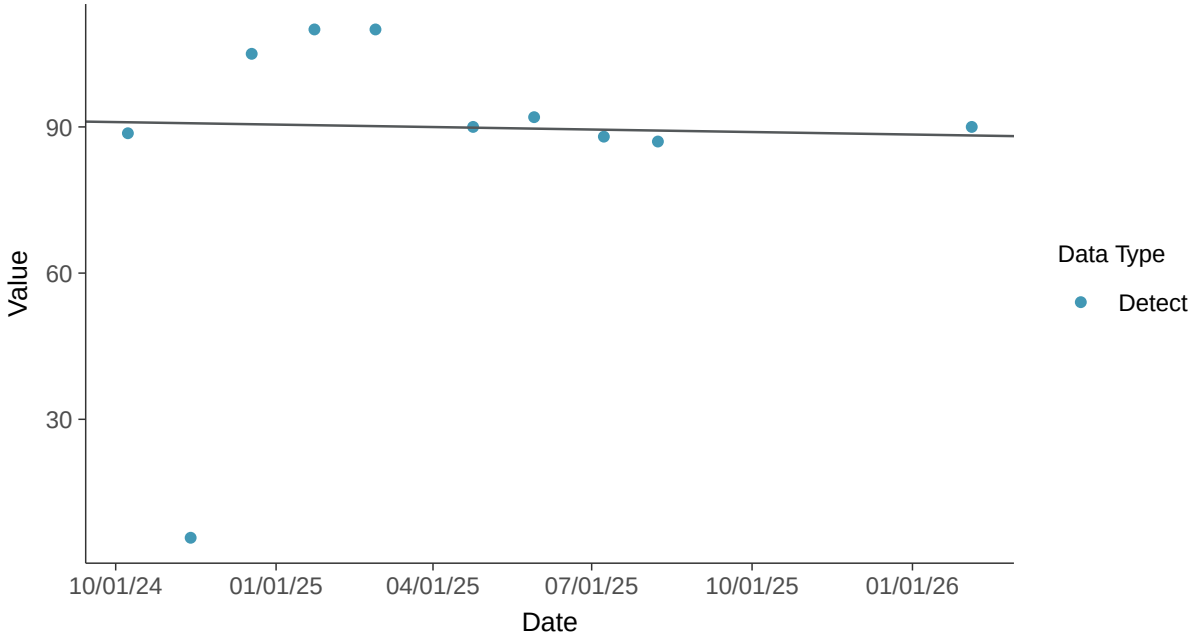
Normal Q-Q plot

Calcium, MW-18A (mg/l)



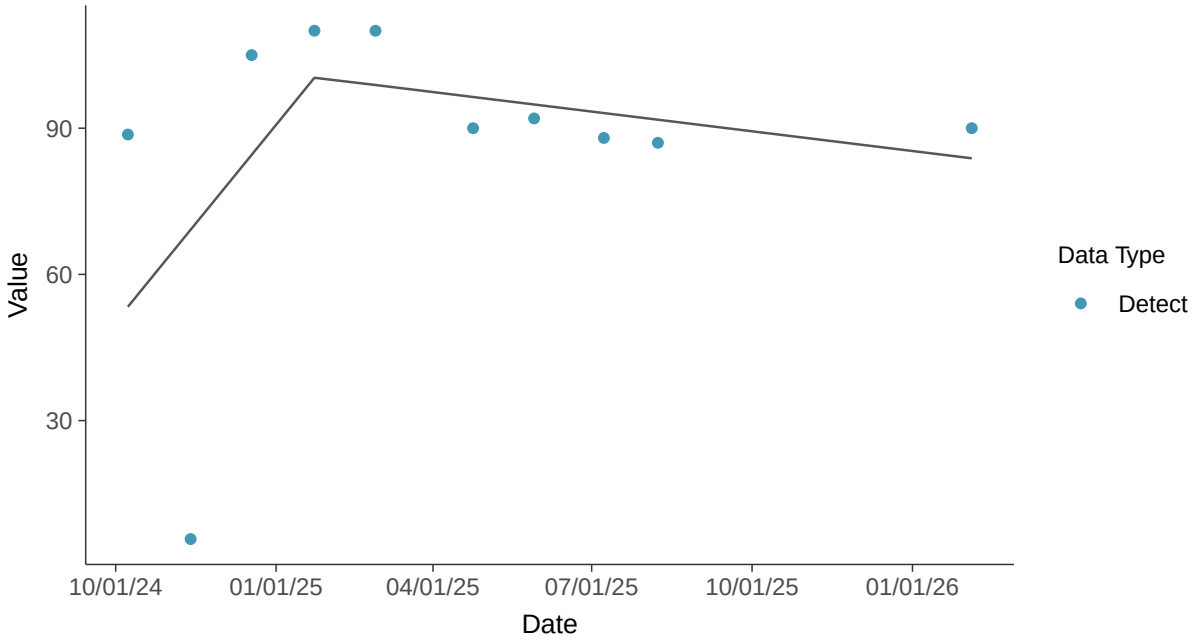
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Calcium, MW-18A (mg/l)



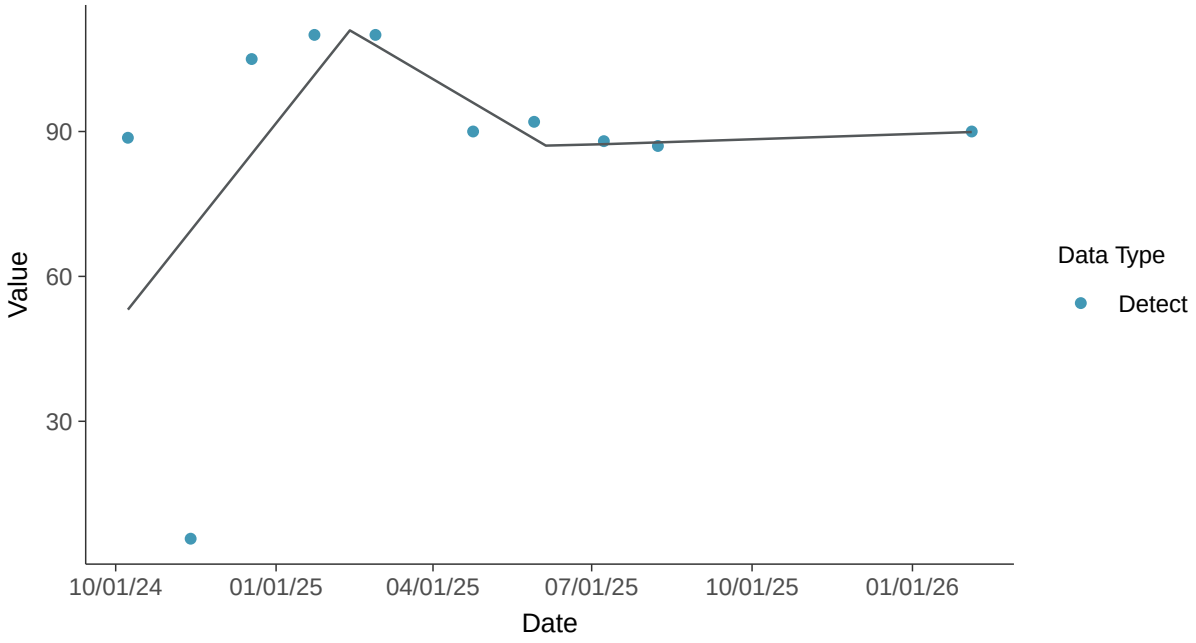
Trend Regression: Piecewise Linear-Linear

Calcium, MW-18A (mg/l)



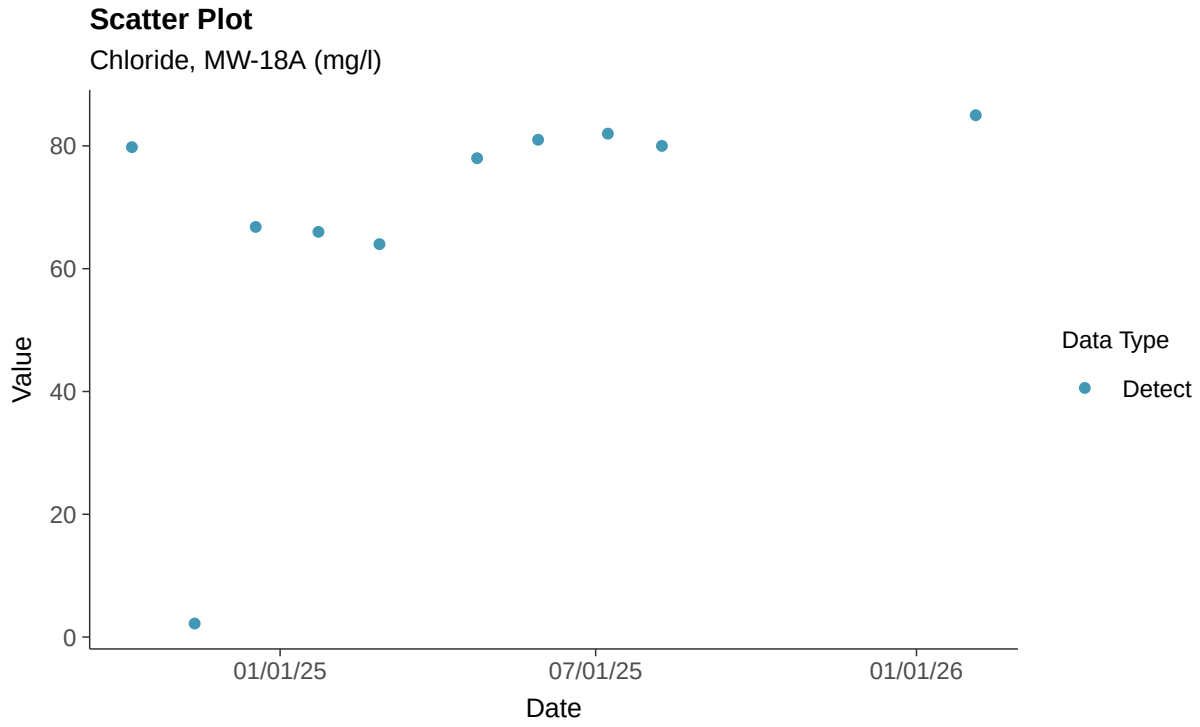
Trend Regression: Piecewise Linear-Linear-Linear

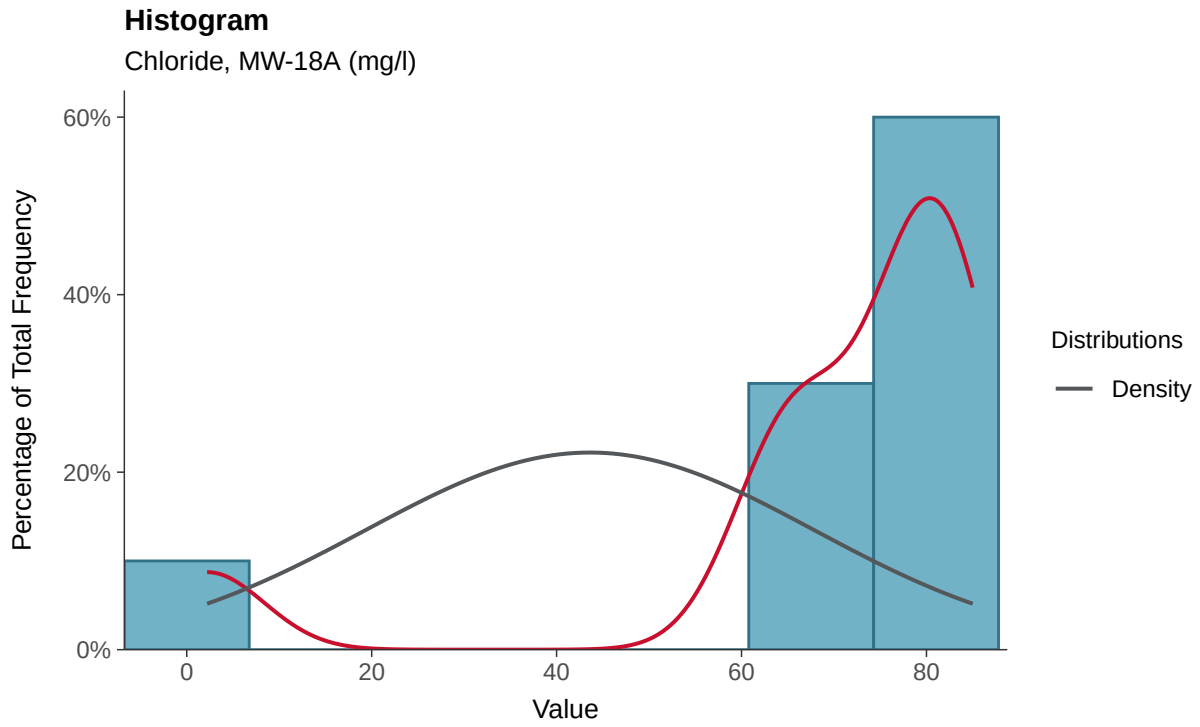
Calcium, MW-18A (mg/l)



Appendix III: Chloride, MW-18A

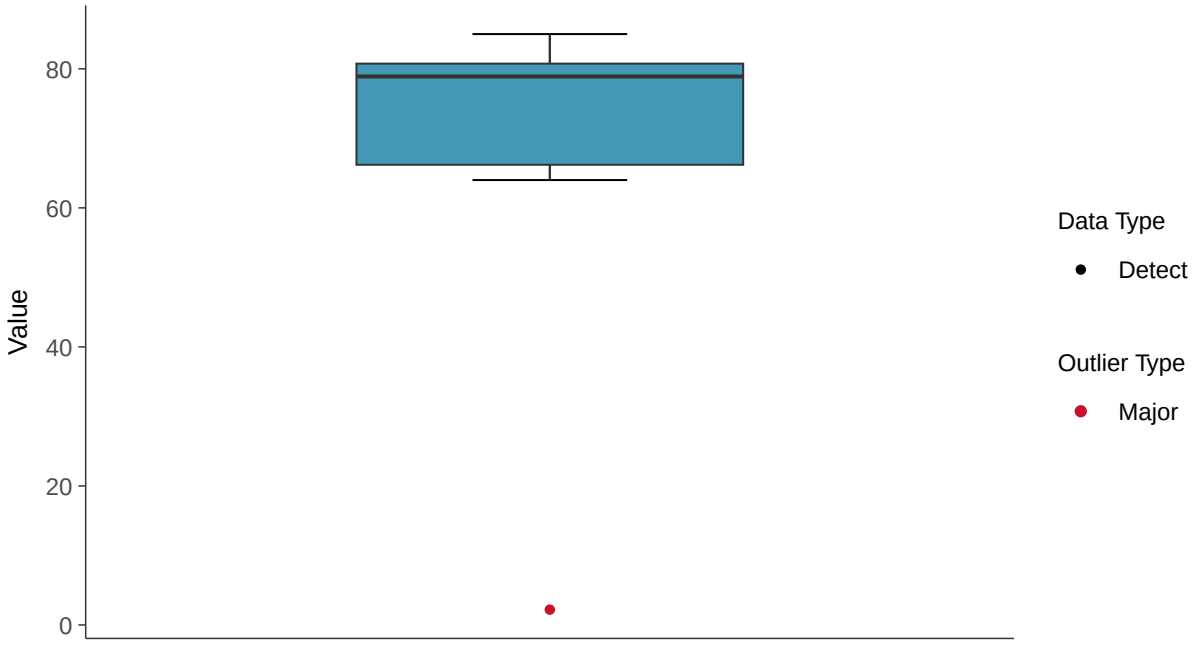
ID: 28_2_108





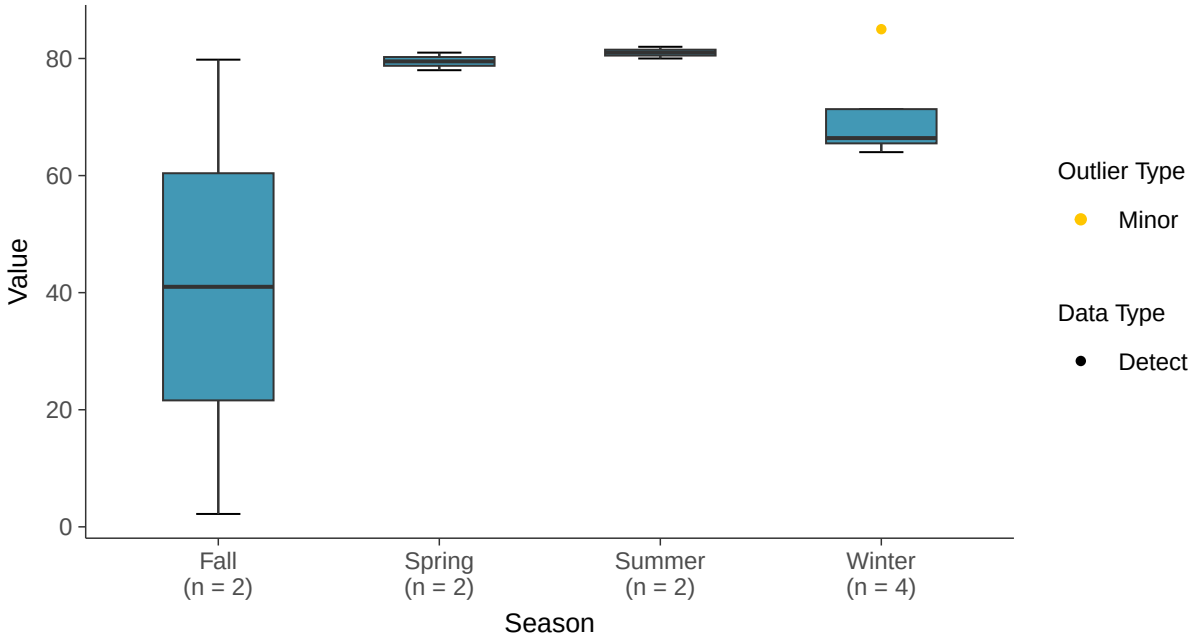
Boxplot

Chloride, MW-18A (mg/l)



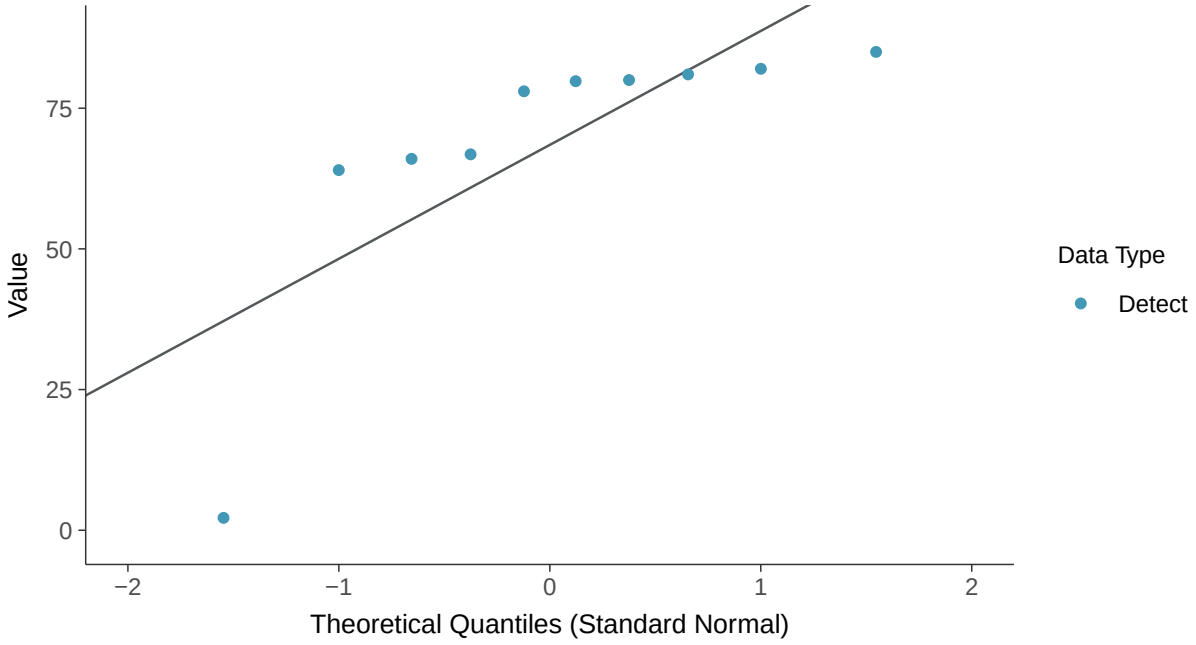
Boxplot by Season

Chloride, MW-18A (mg/l)



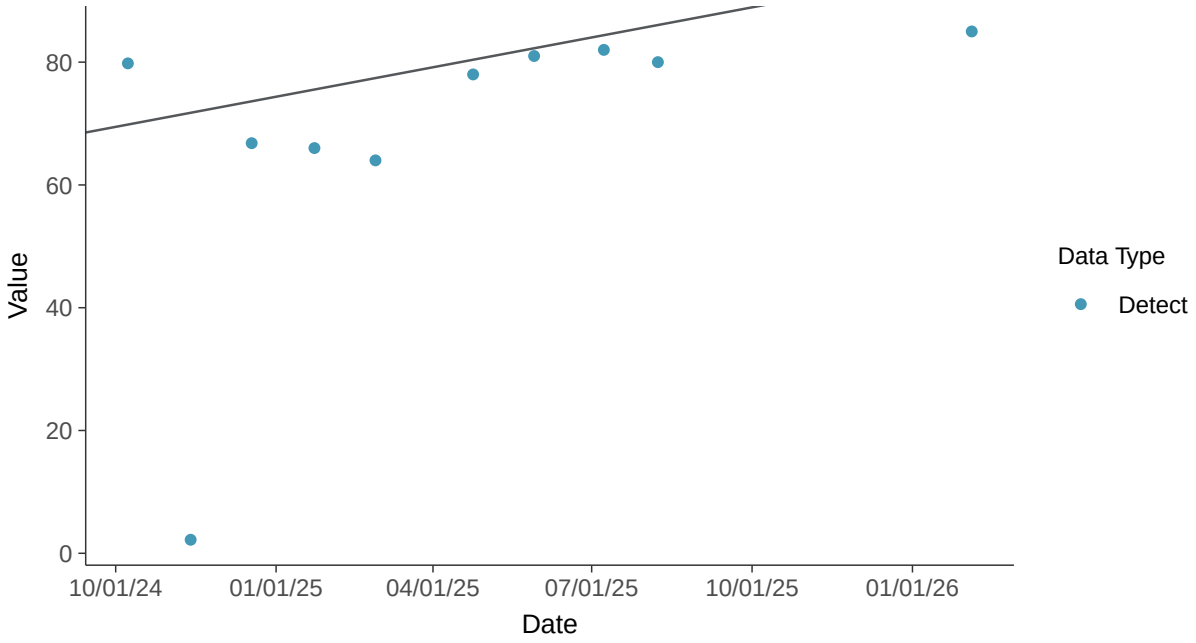
Normal Q-Q plot

Chloride, MW-18A (mg/l)



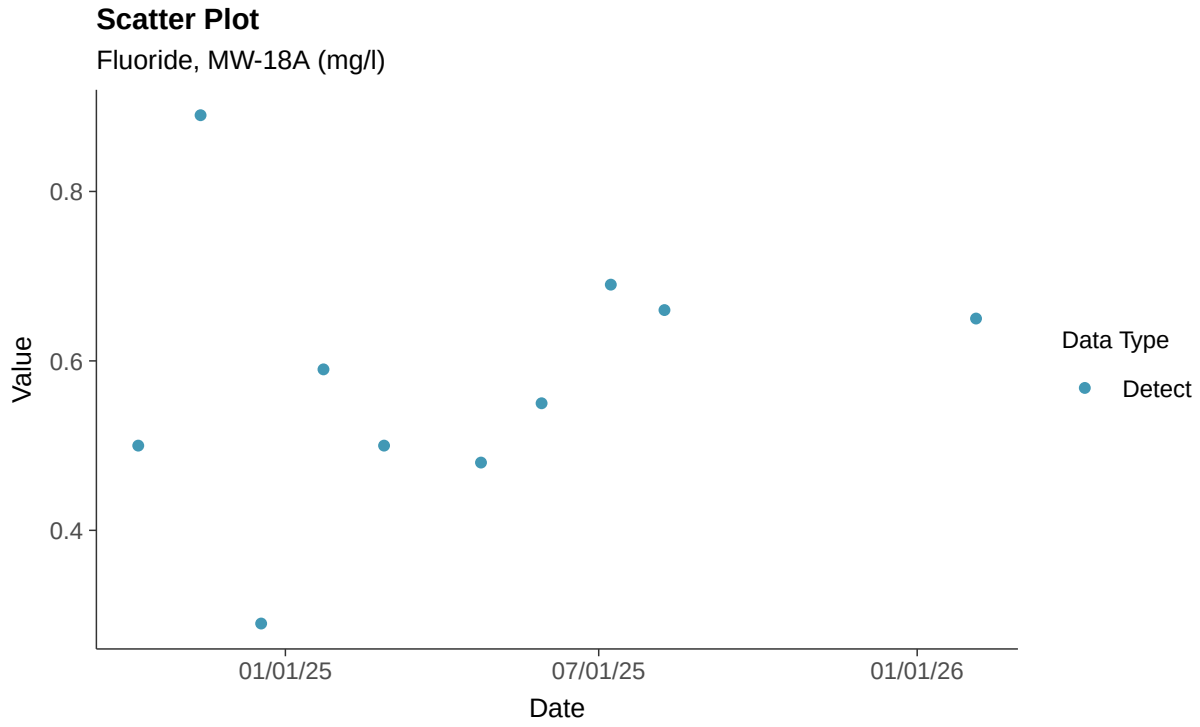
Trend Regression: Mann-Kendall/Theil-Sen Estimate

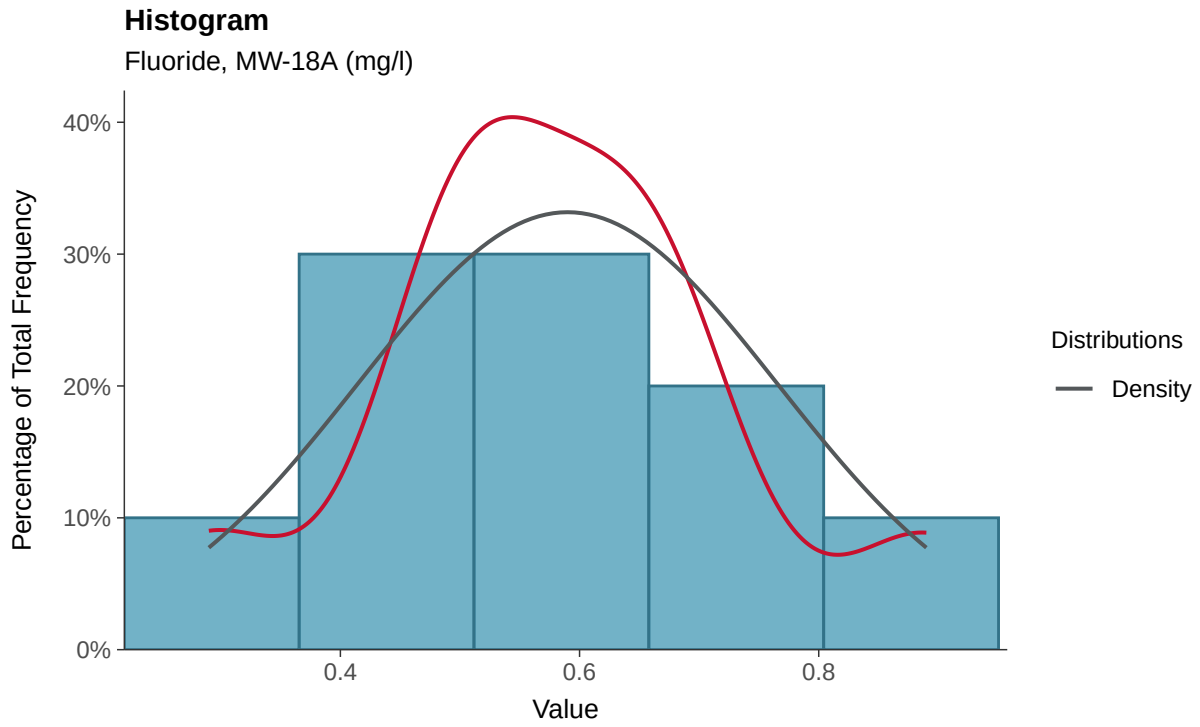
Chloride, MW-18A (mg/l)



Appendix III: Fluoride, MW-18A

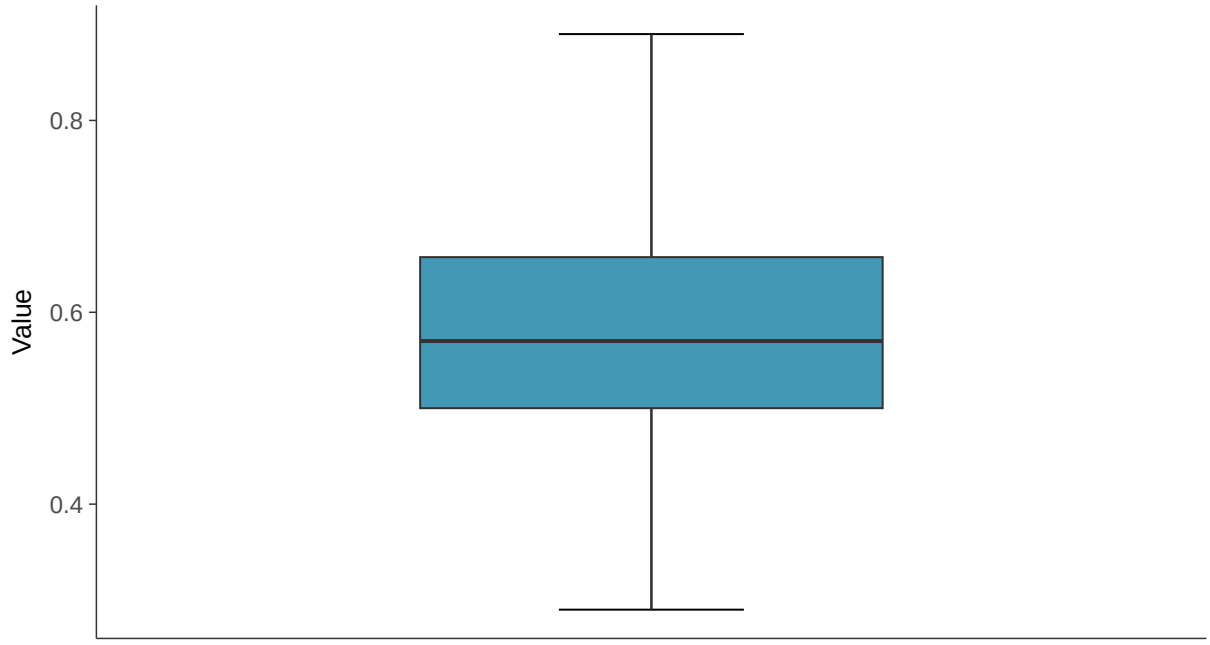
ID: 28_2_112





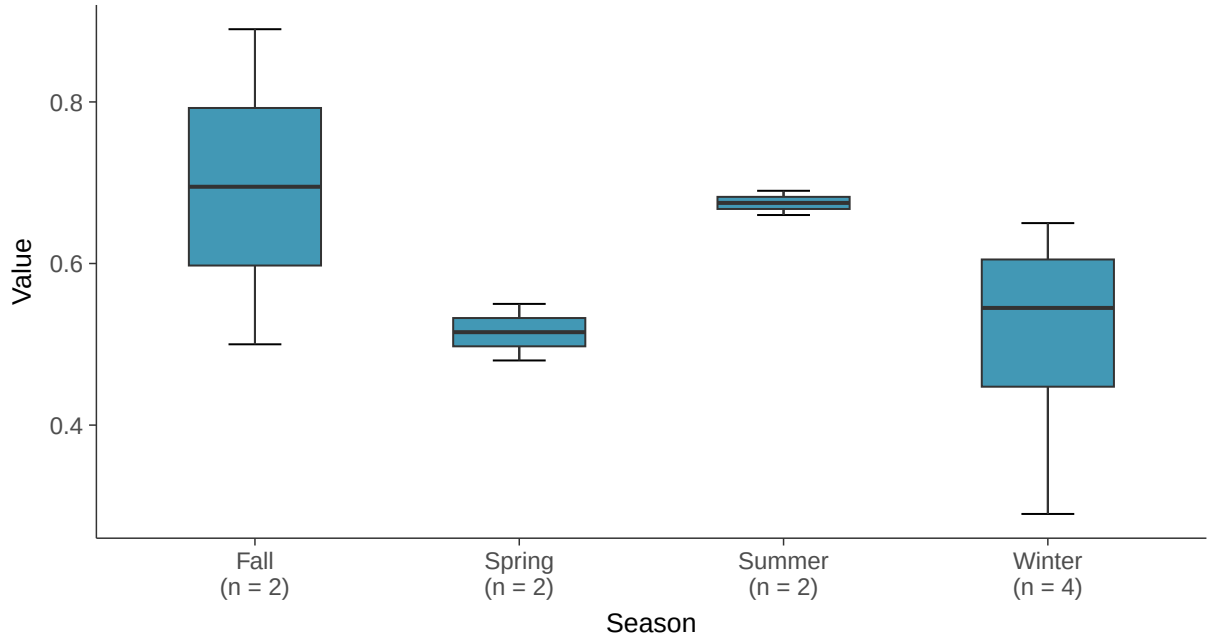
Boxplot

Fluoride, MW-18A (mg/l)



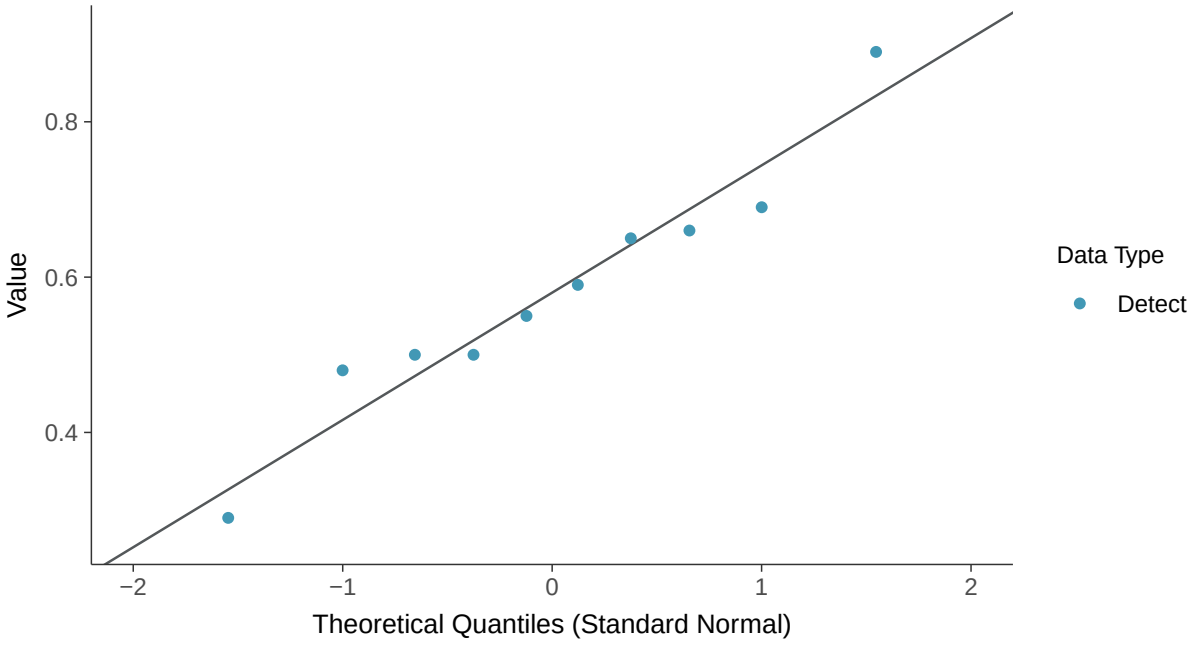
Boxplot by Season

Fluoride, MW-18A (mg/l)



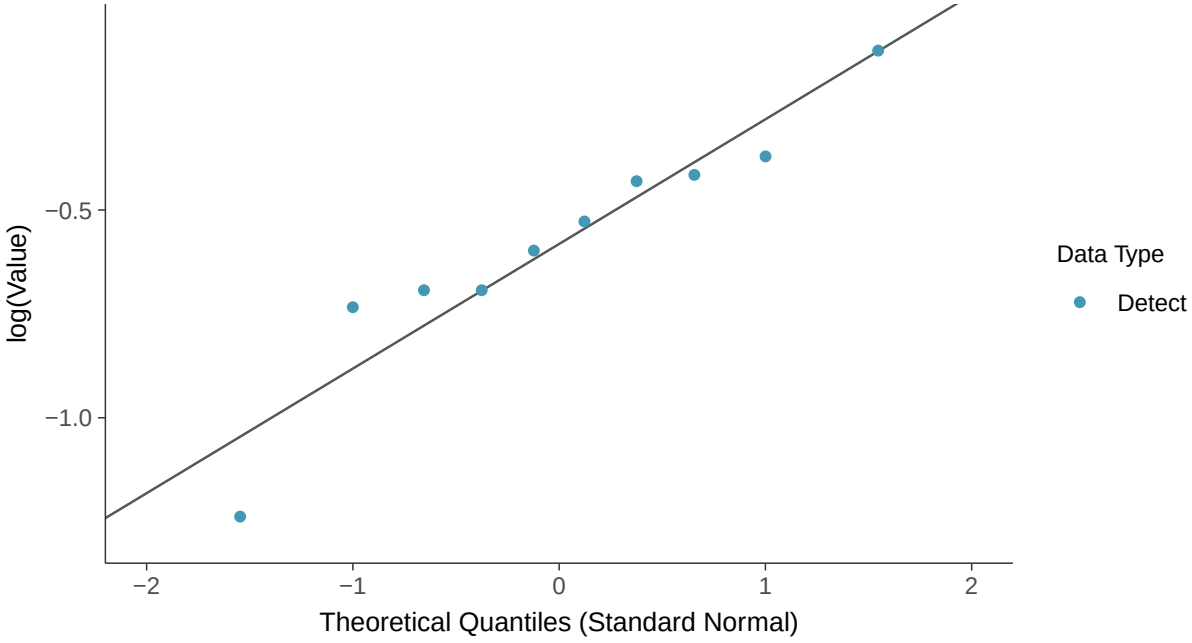
Normal Q-Q plot

Fluoride, MW-18A (mg/l)



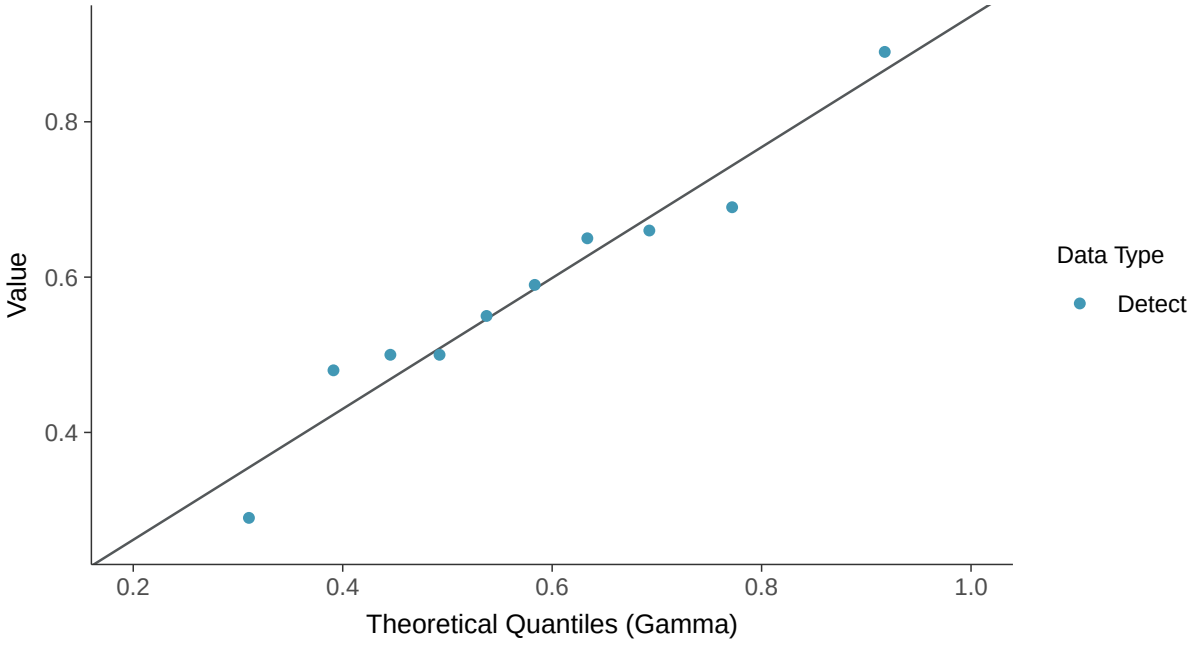
Lognormal Q-Q plot

Fluoride, MW-18A (mg/l)



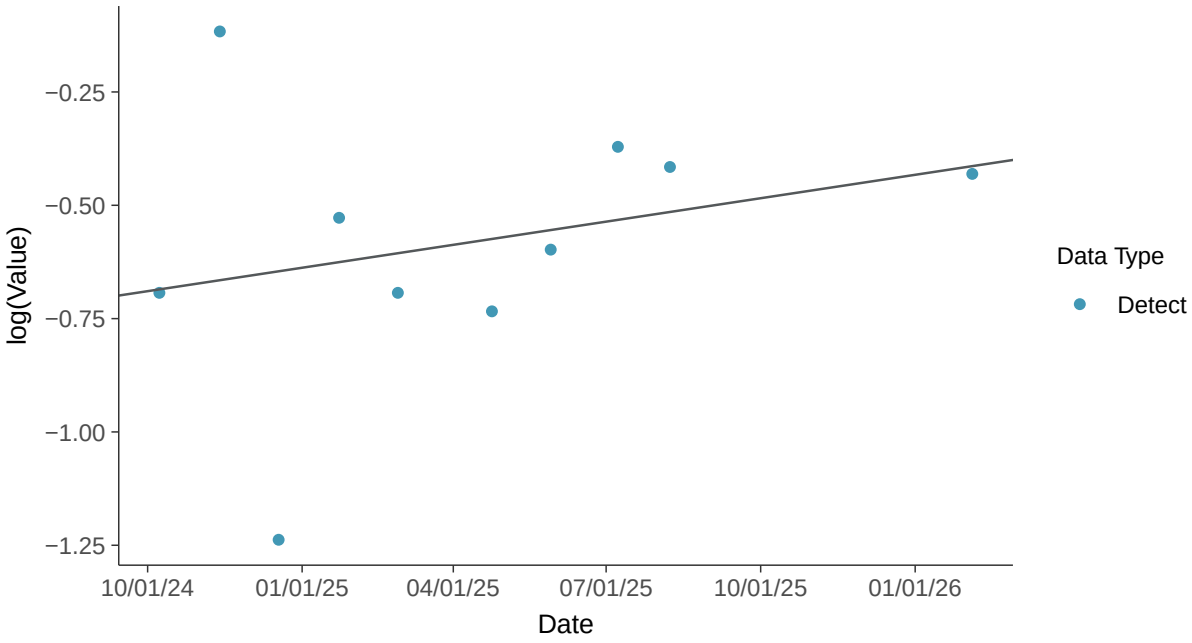
Gamma Q-Q plot

Fluoride, MW-18A (mg/l)



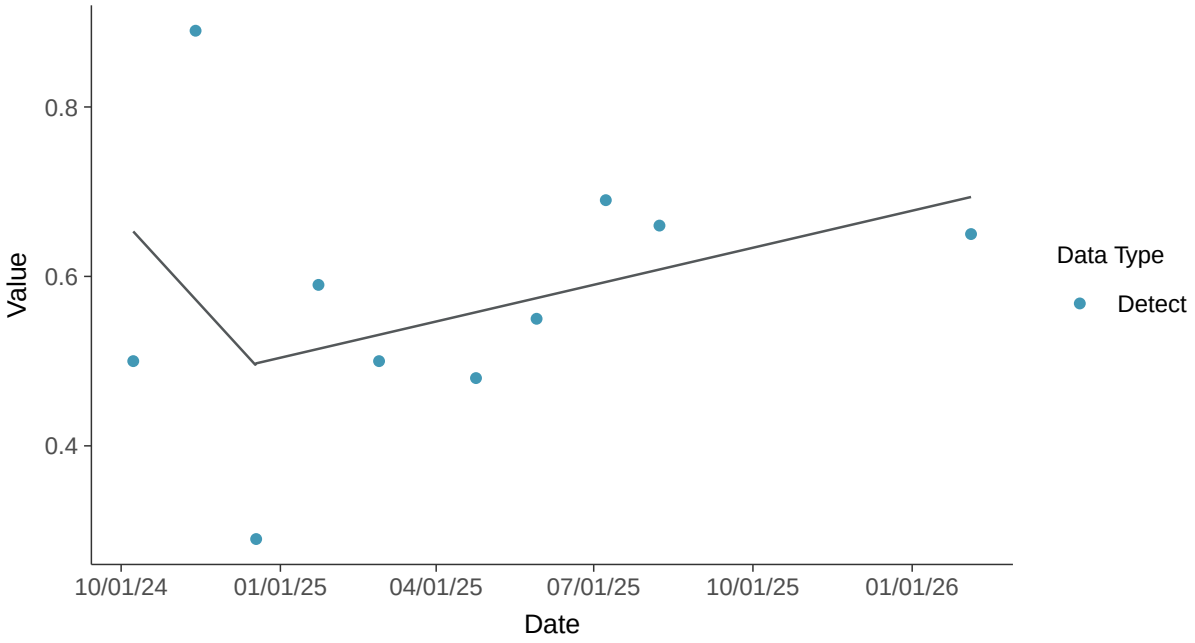
Trend Regression: Lognormal MLE

Fluoride, MW-18A (mg/l)



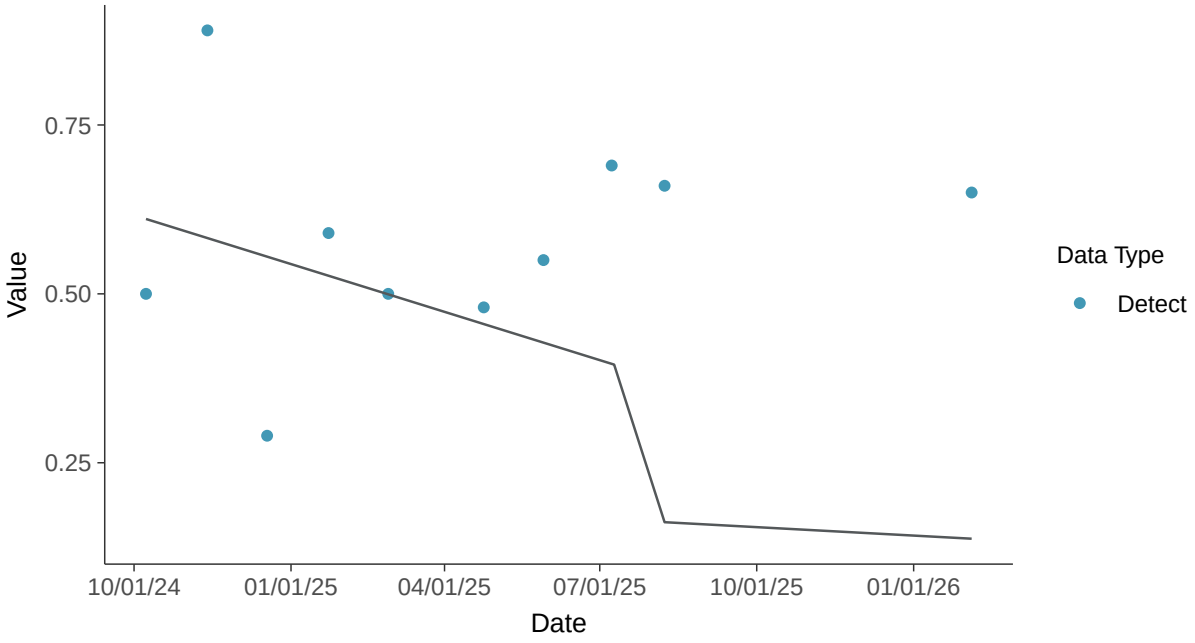
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-18A (mg/l)



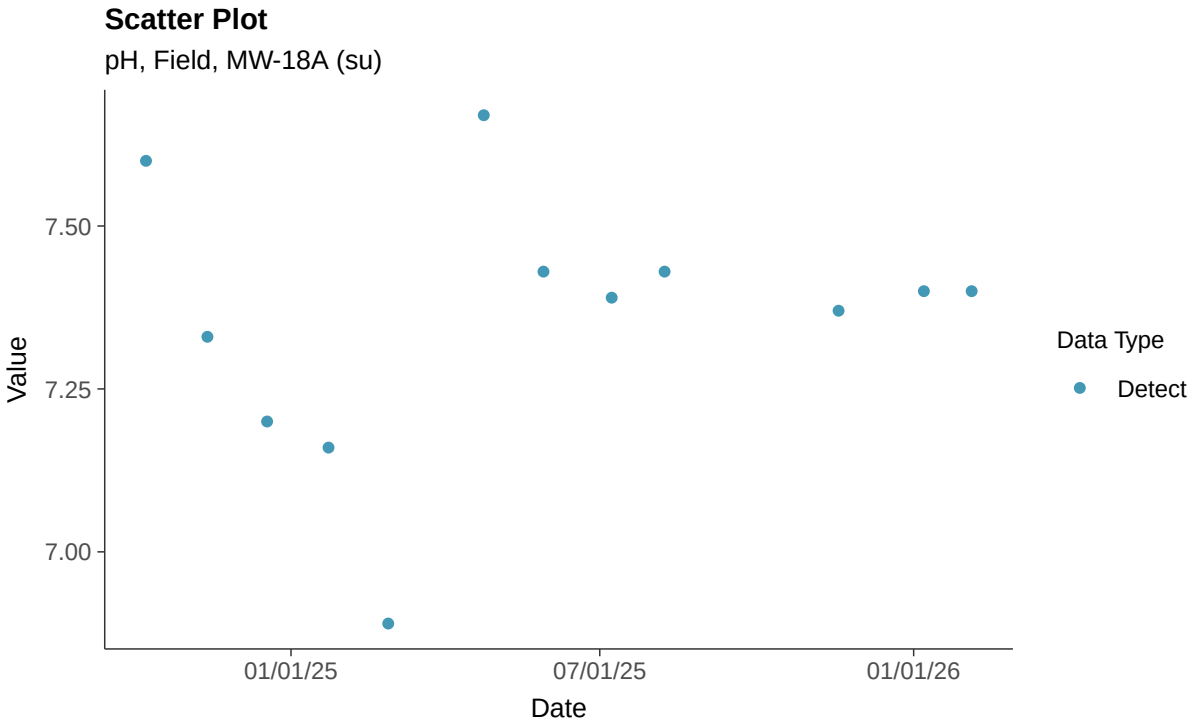
Trend Regression: Piecewise Linear-Linear-Linear

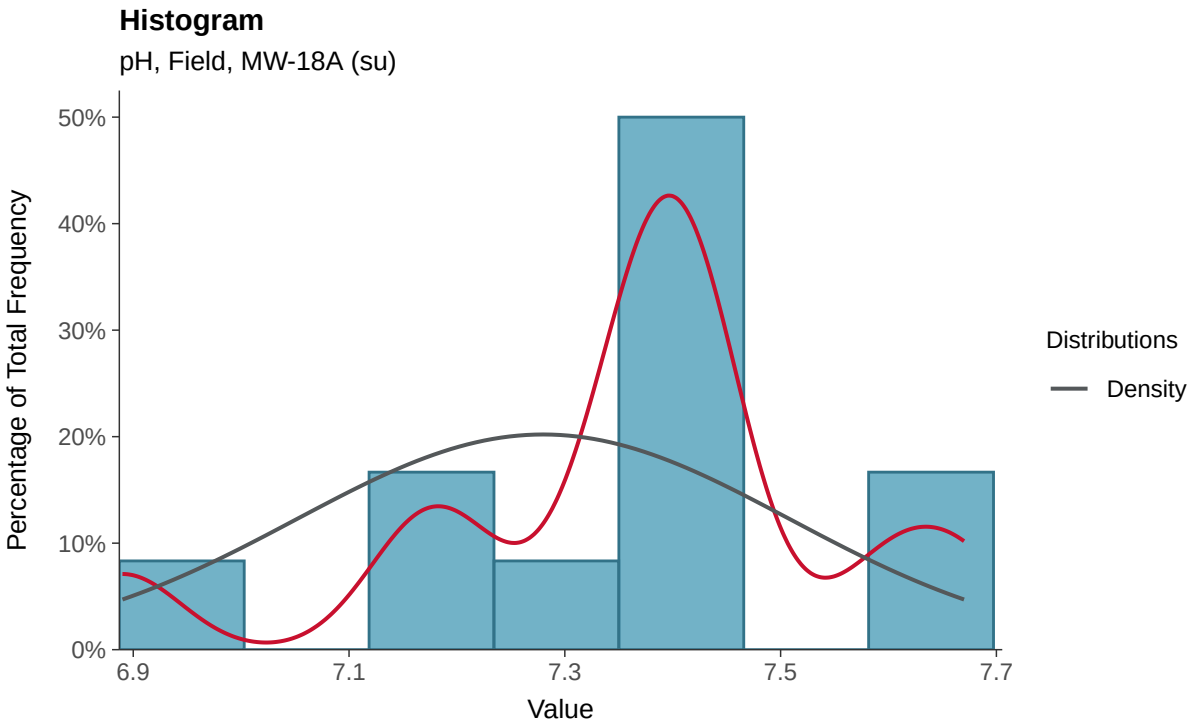
Fluoride, MW-18A (mg/l)



Appendix III: pH, Field, MW-18A

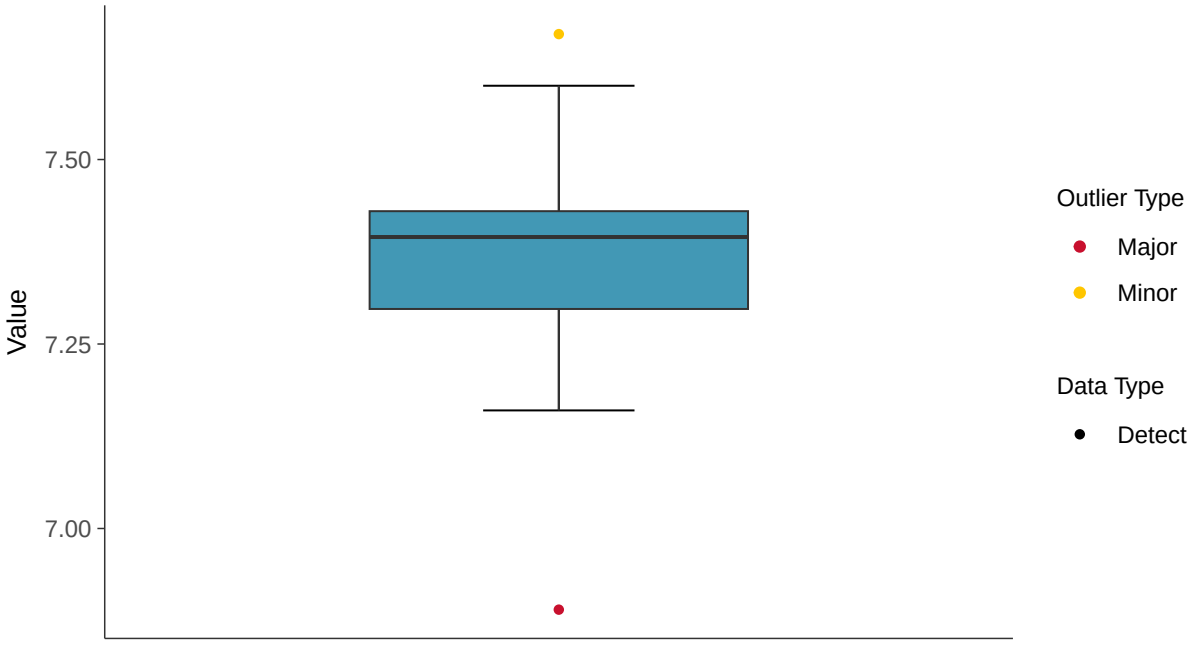
ID: 28_2_120





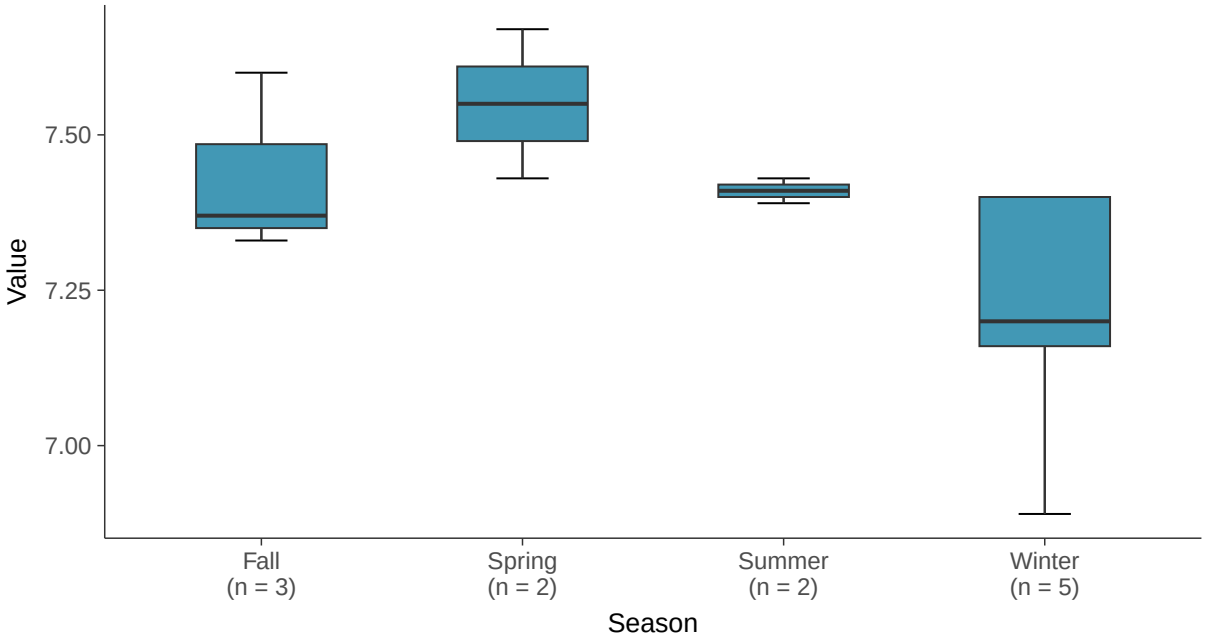
Boxplot

pH, Field, MW-18A (su)



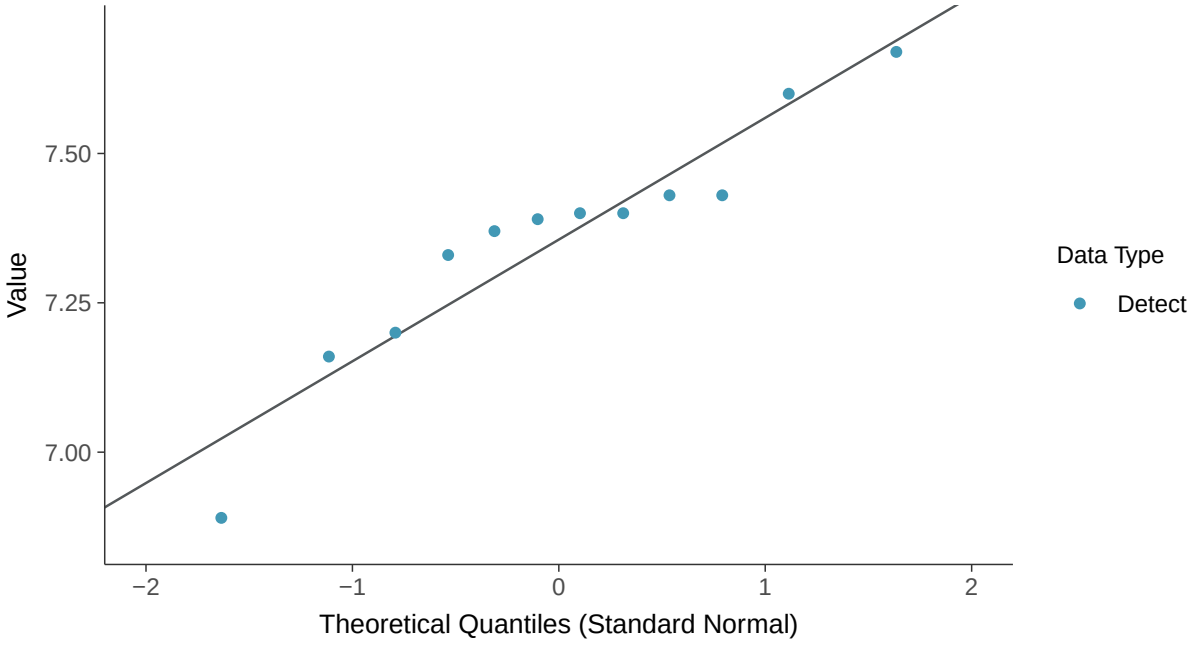
Boxplot by Season

pH, Field, MW-18A (su)



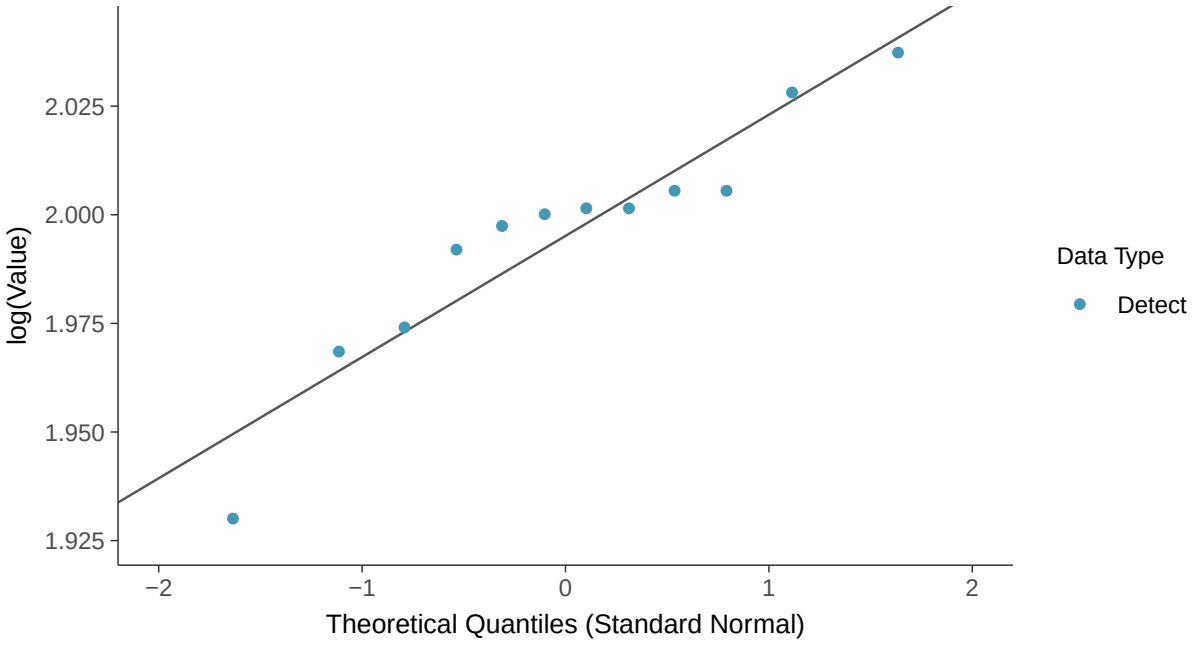
Normal Q-Q plot

pH, Field, MW-18A (su)



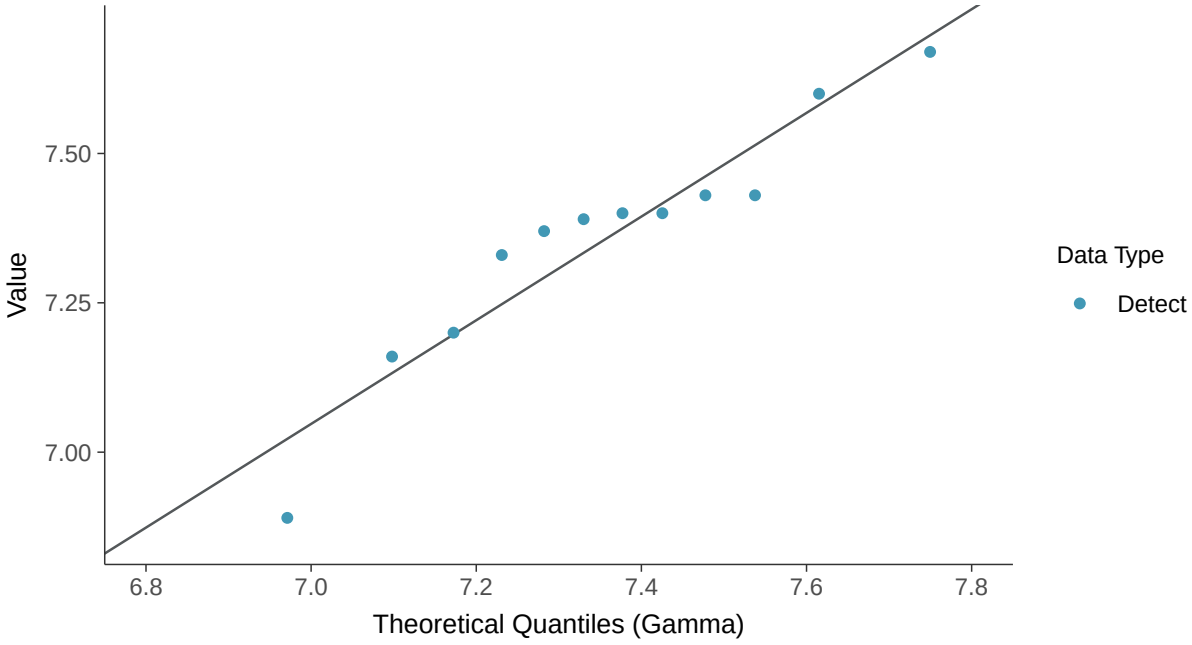
Lognormal Q-Q plot

pH, Field, MW-18A (su)



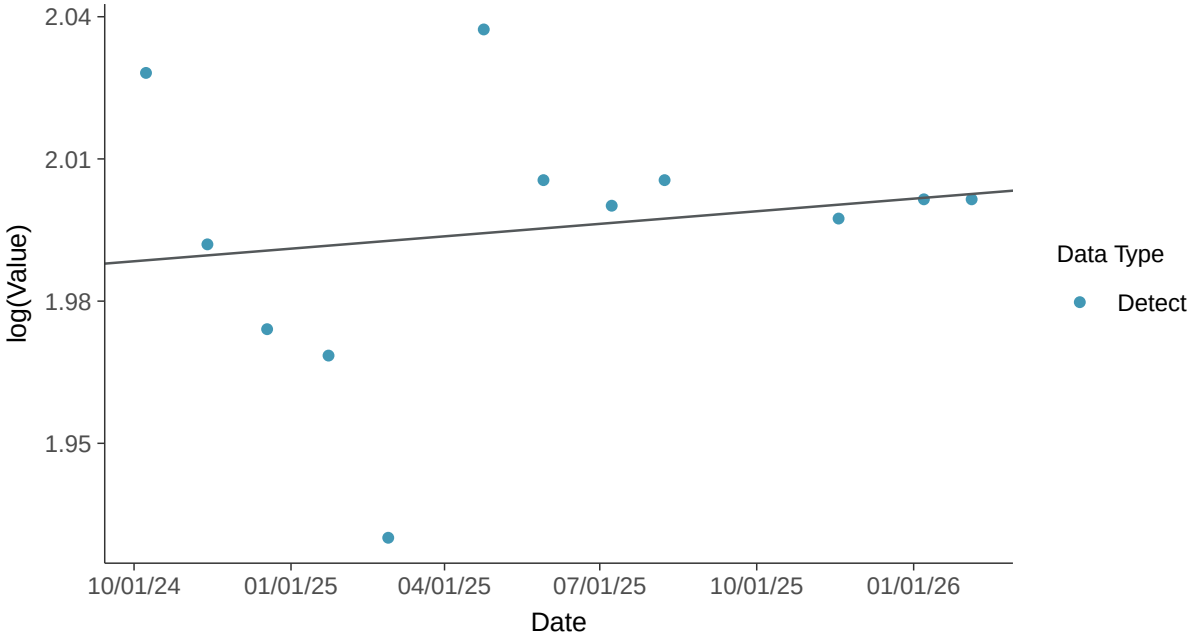
Gamma Q-Q plot

pH, Field, MW-18A (su)



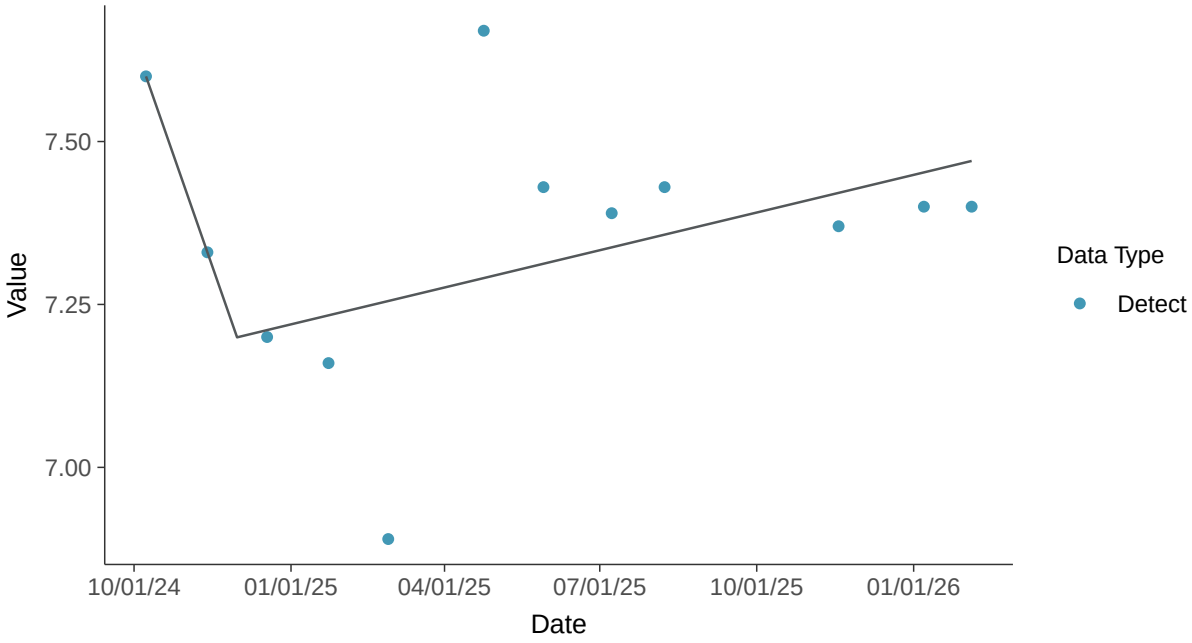
Trend Regression: Lognormal MLE

pH, Field, MW-18A (su)



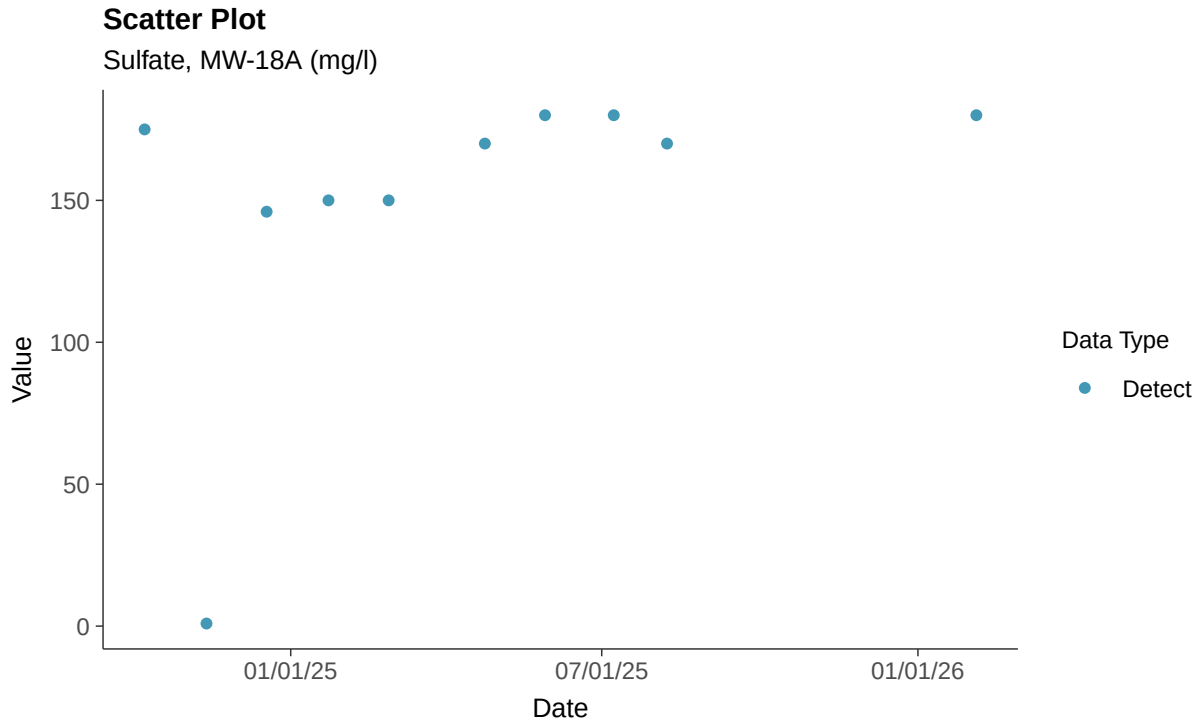
Trend Regression: Piecewise Linear-Linear

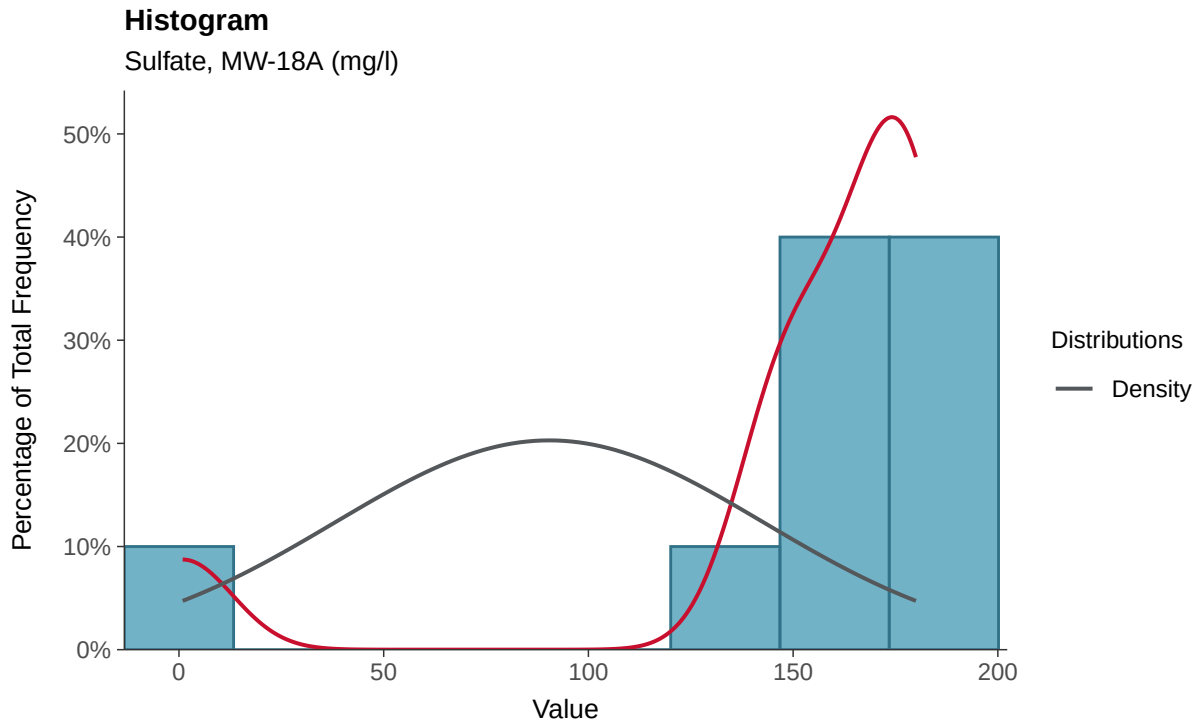
pH, Field, MW-18A (su)



Appendix III: Sulfate, MW-18A

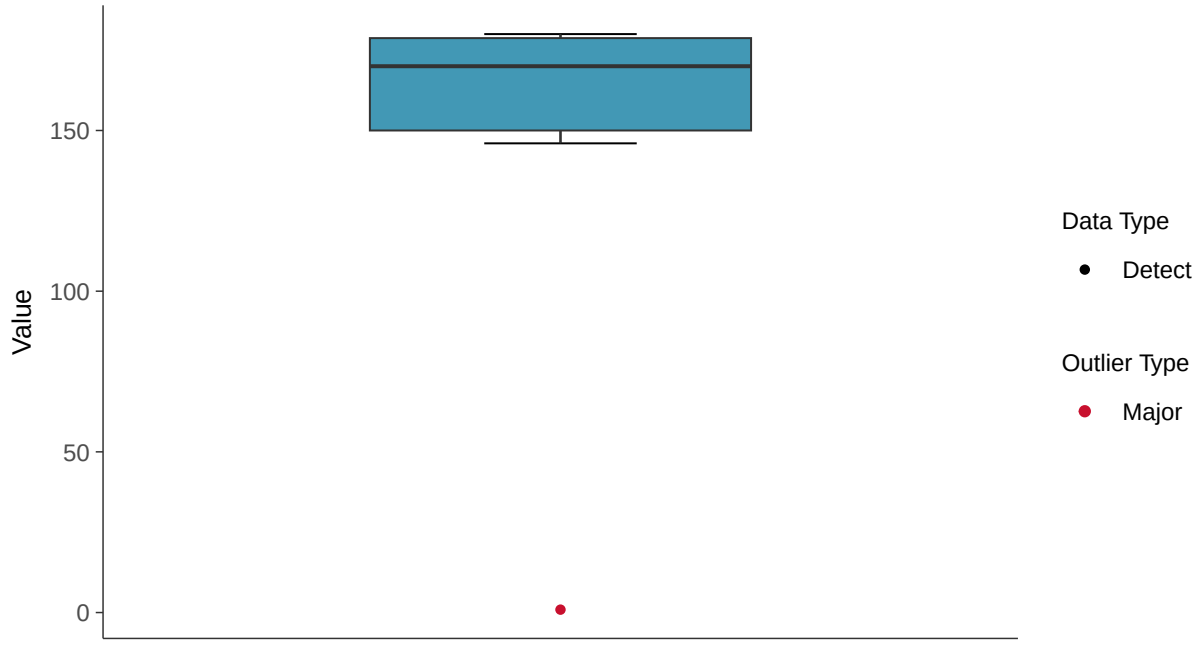
ID: 28_2_124





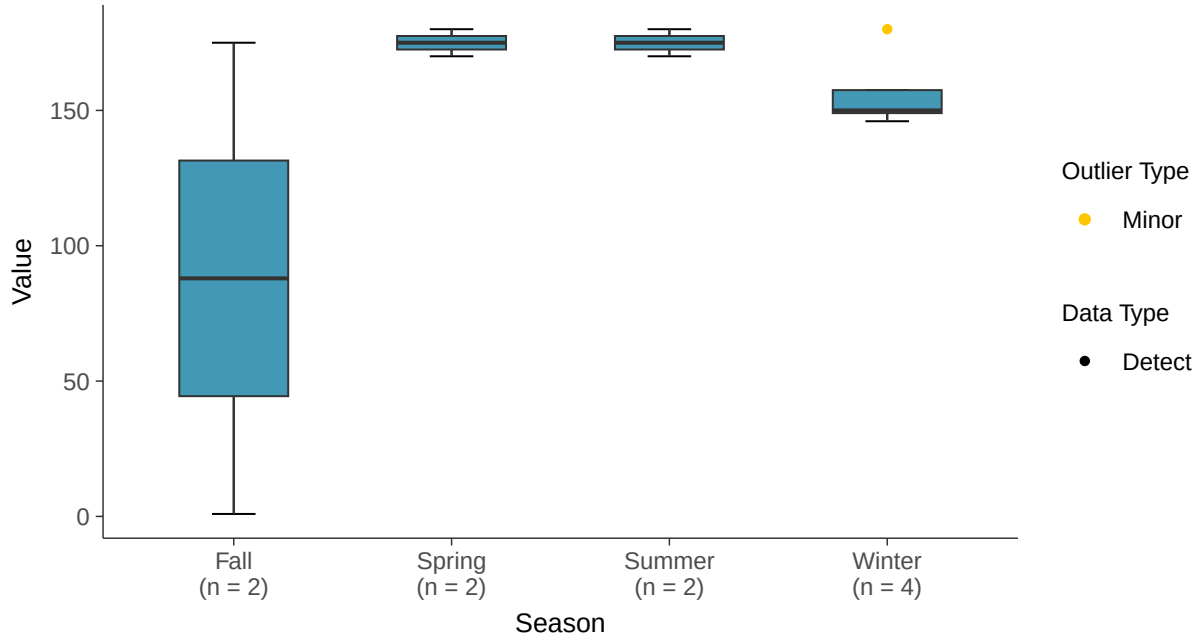
Boxplot

Sulfate, MW-18A (mg/l)



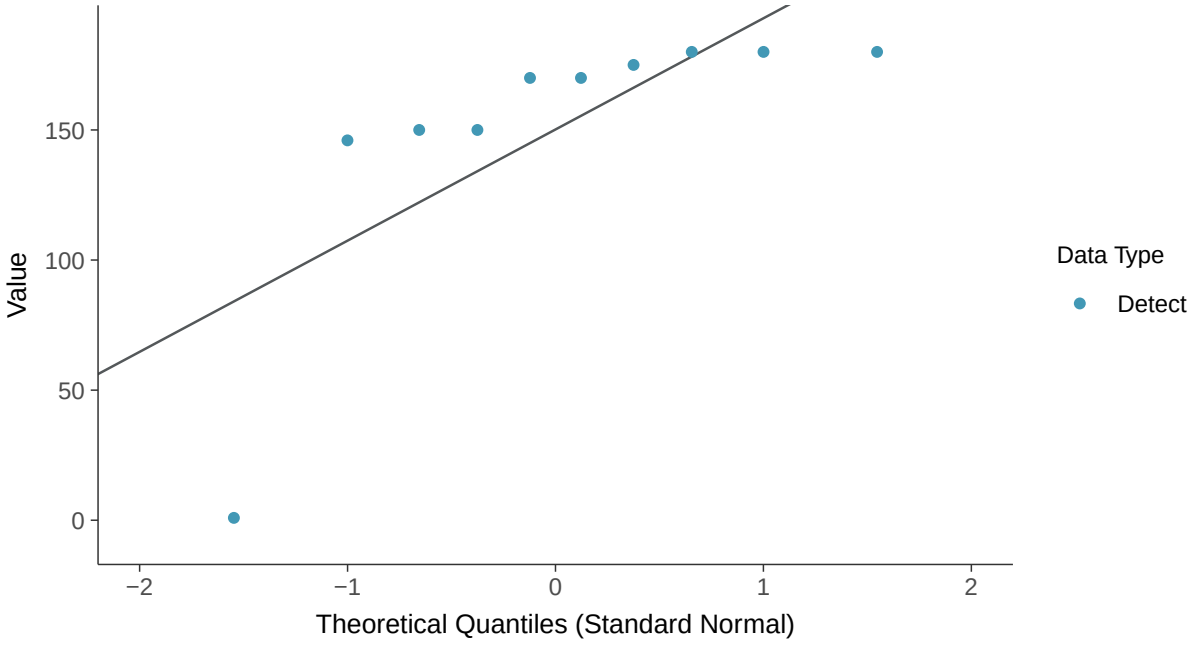
Boxplot by Season

Sulfate, MW-18A (mg/l)



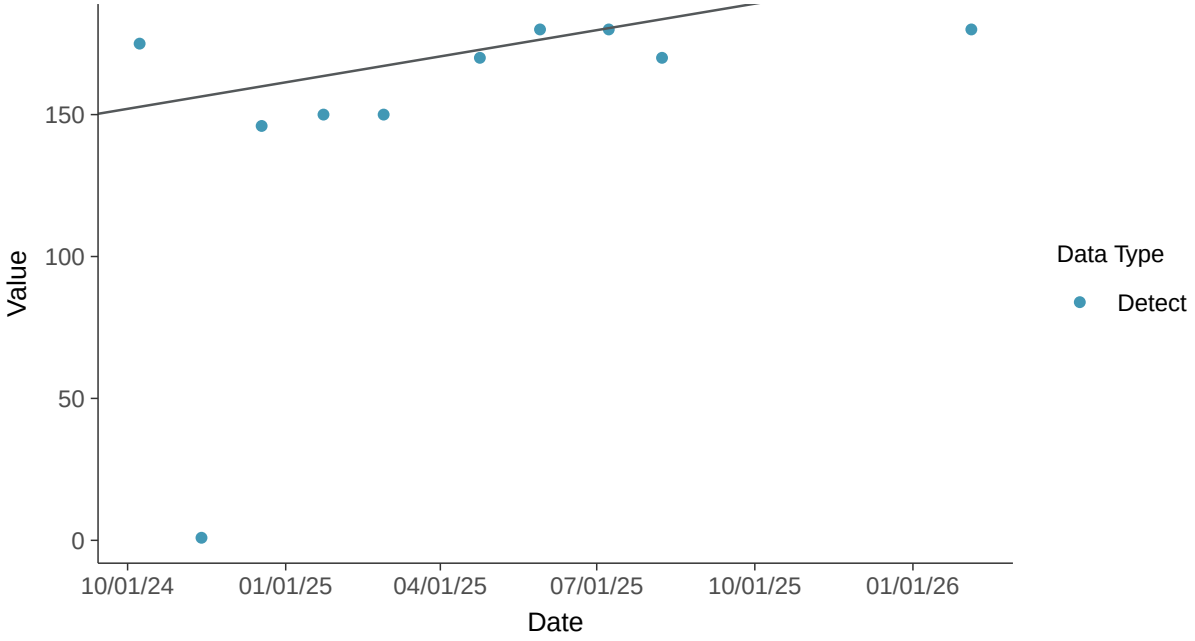
Normal Q-Q plot

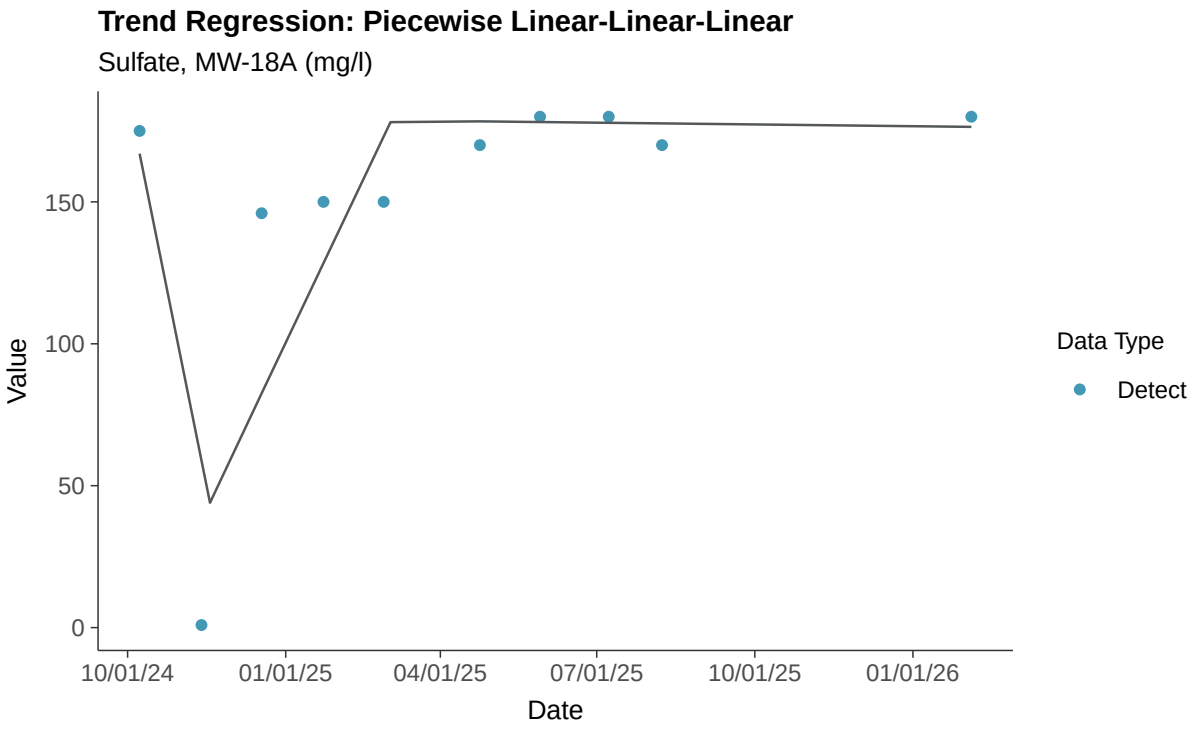
Sulfate, MW-18A (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

Sulfate, MW-18A (mg/l)



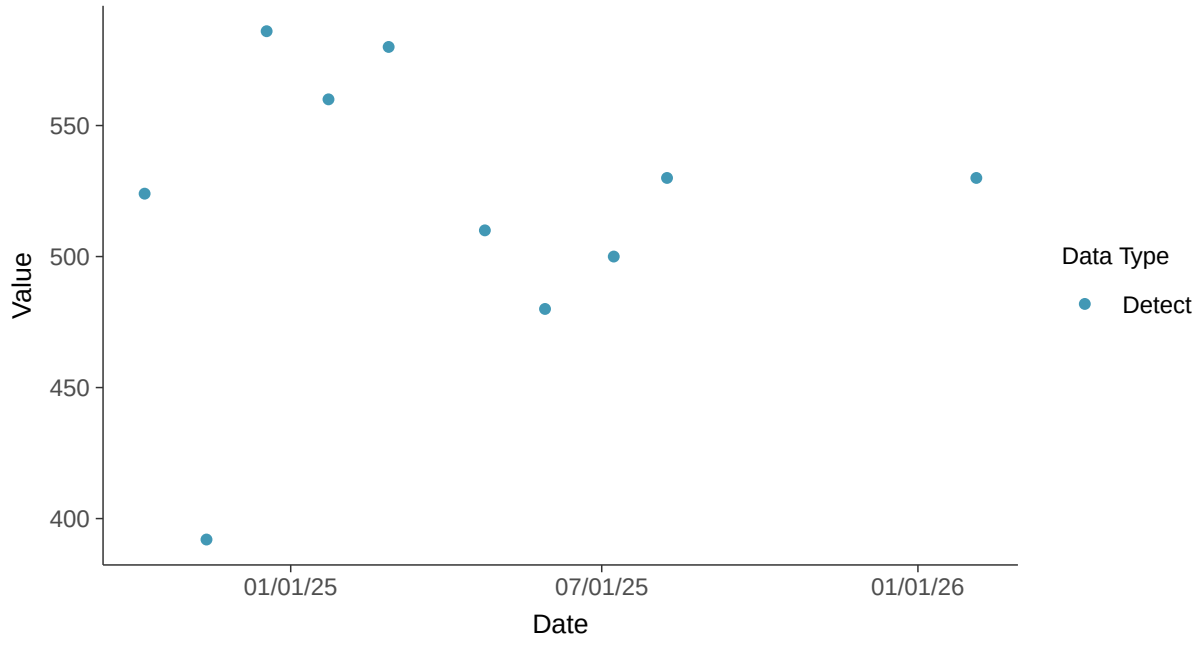

Trend Regression: Piecewise Linear-Linear-Linear
Sulfate, MW-18A (mg/l)
Value
150
100
50
0
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Total Dissolved Solids, MW-18A

ID: 28_2_126

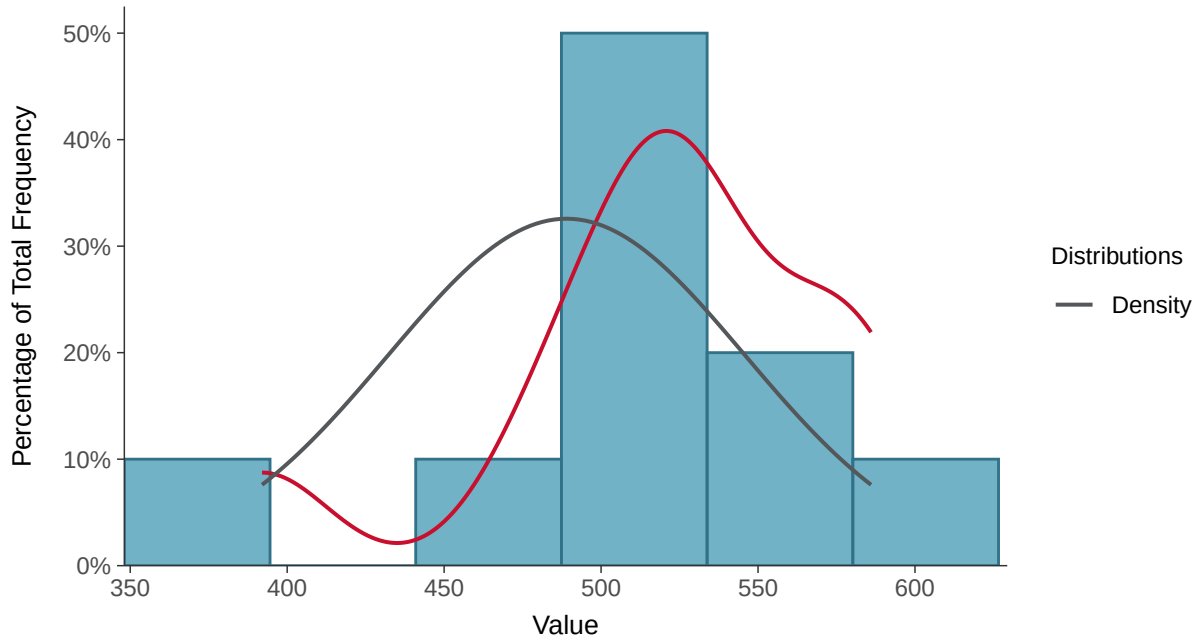
Scatter Plot

Total Dissolved Solids, MW-18A (mg/l)



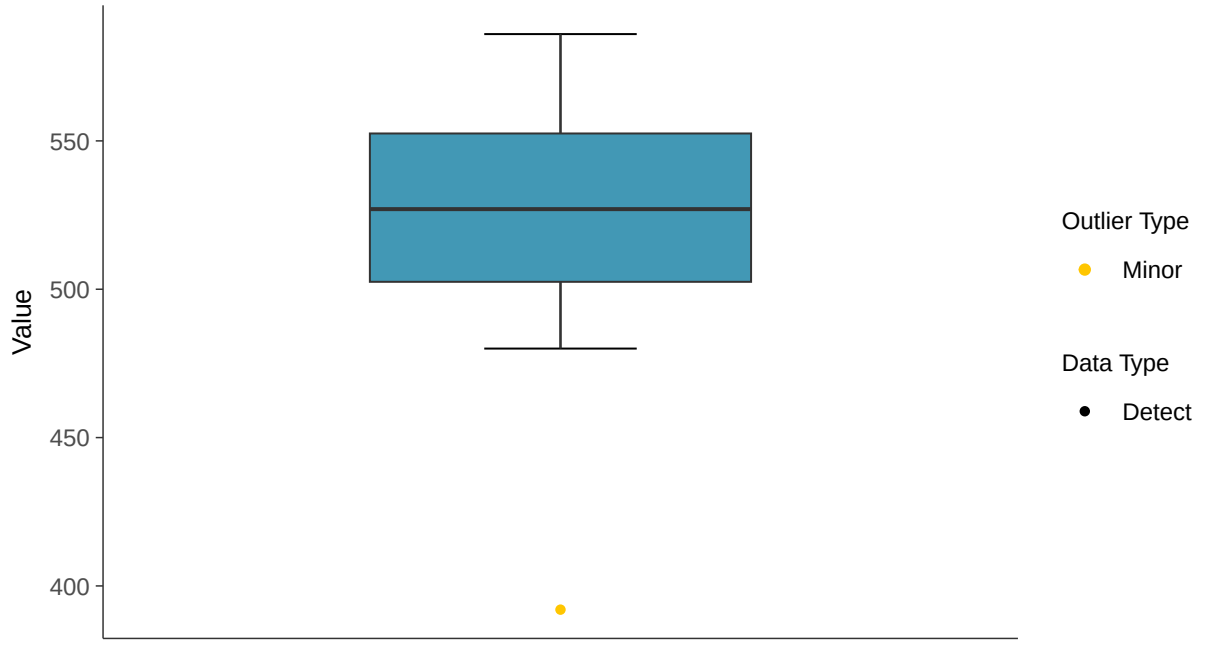
Histogram

Total Dissolved Solids, MW-18A (mg/l)



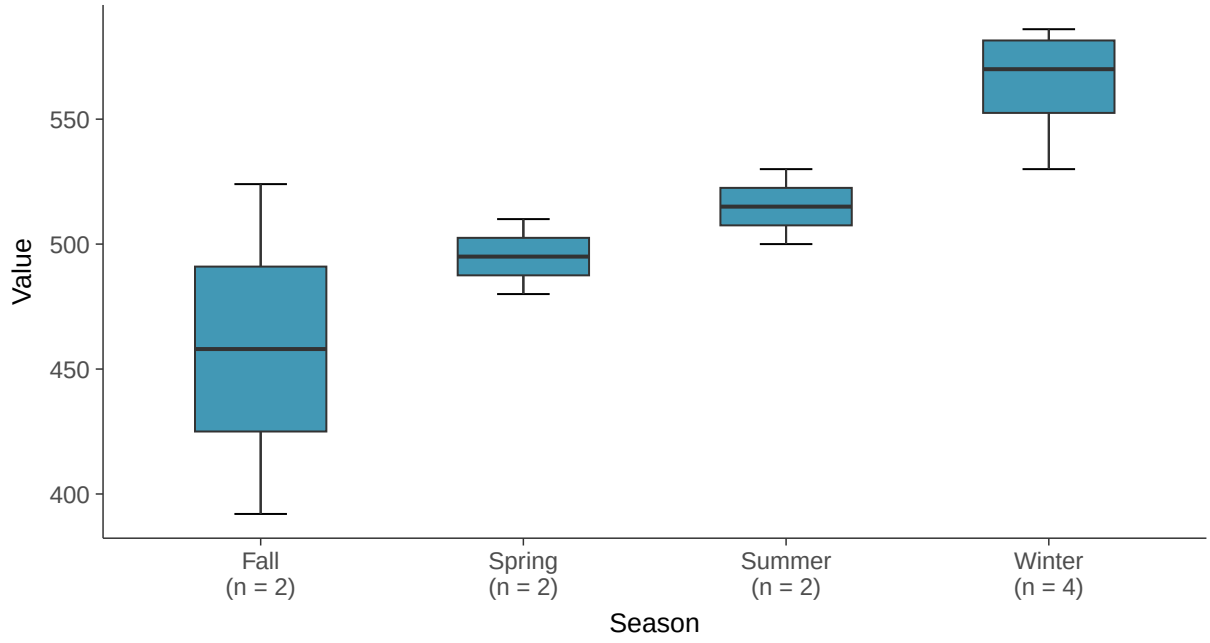
Boxplot

Total Dissolved Solids, MW-18A (mg/l)



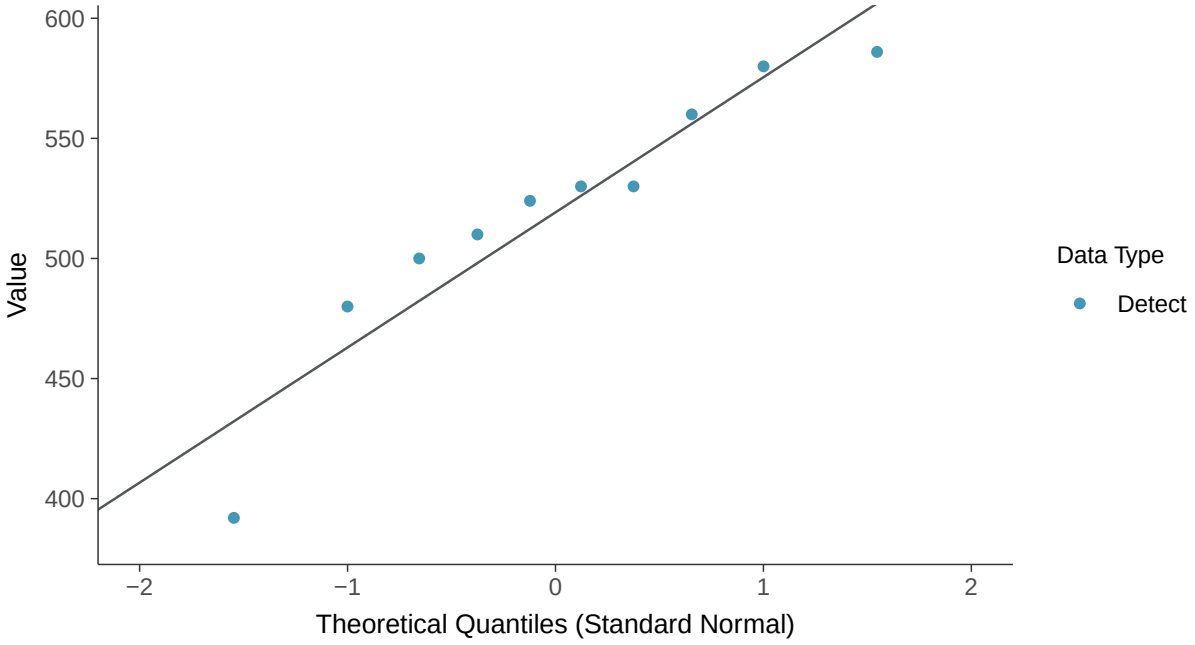
Boxplot by Season

Total Dissolved Solids, MW-18A (mg/l)



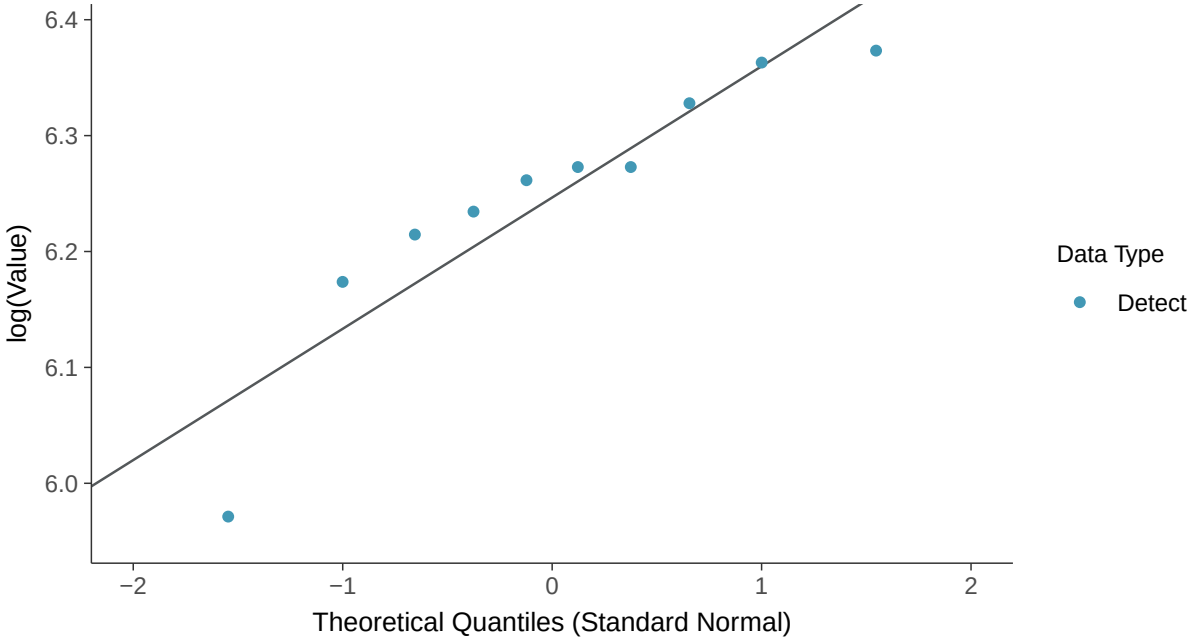
Normal Q-Q plot

Total Dissolved Solids, MW-18A (mg/l)



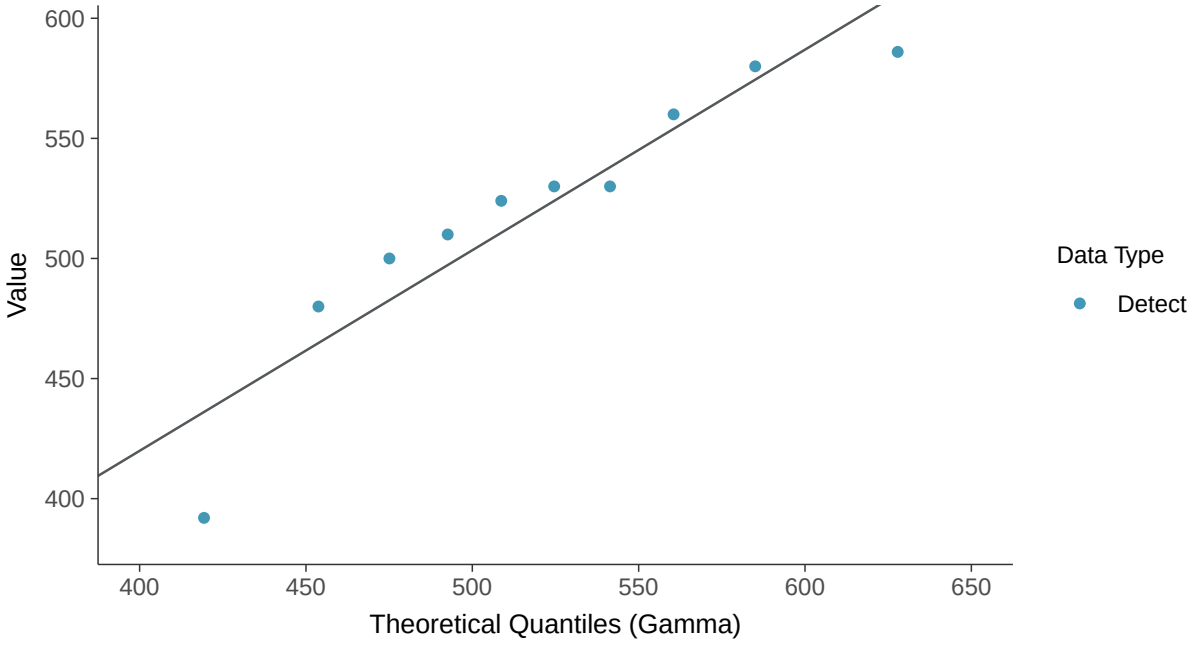
Lognormal Q-Q plot

Total Dissolved Solids, MW-18A (mg/l)



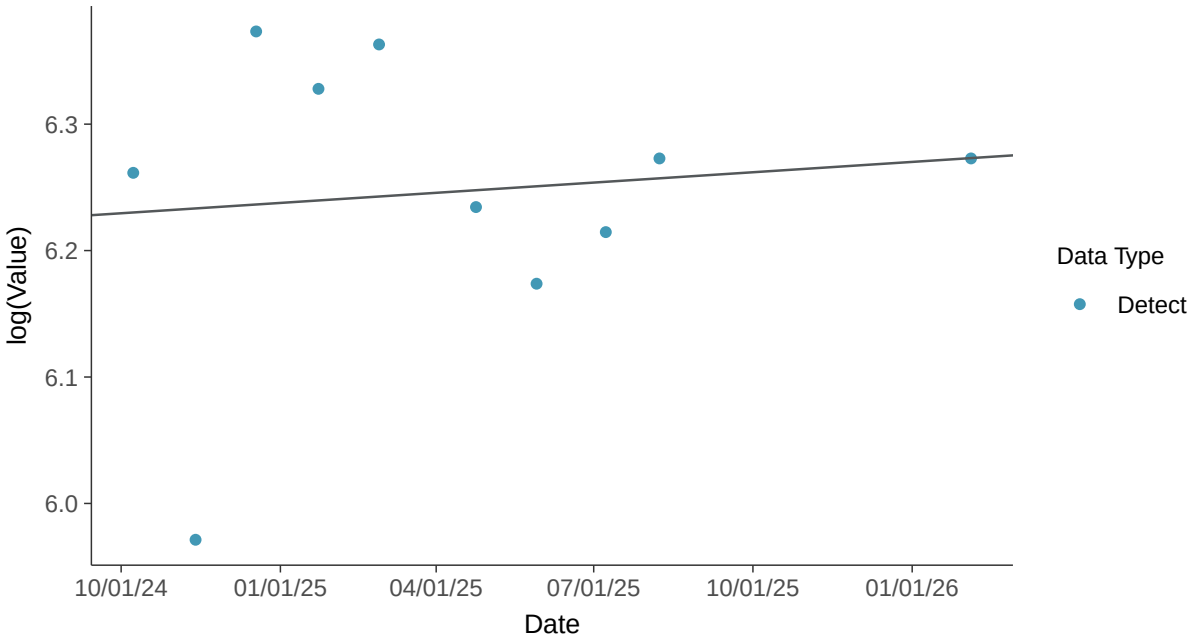
Gamma Q-Q plot

Total Dissolved Solids, MW-18A (mg/l)



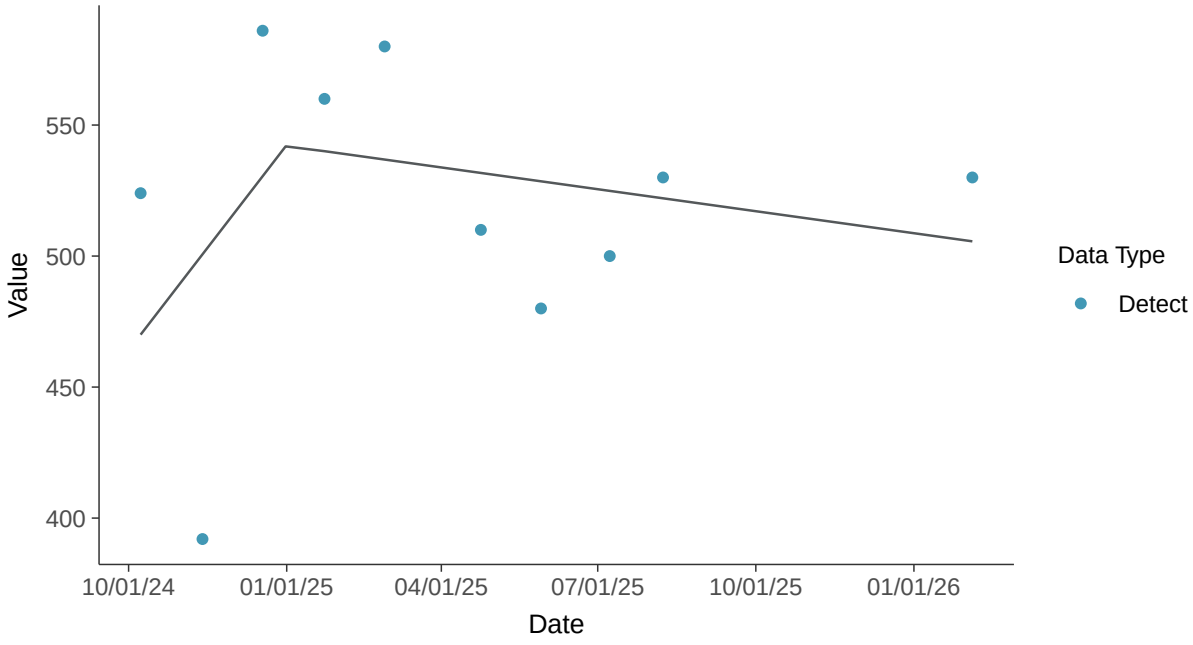
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-18A (mg/l)



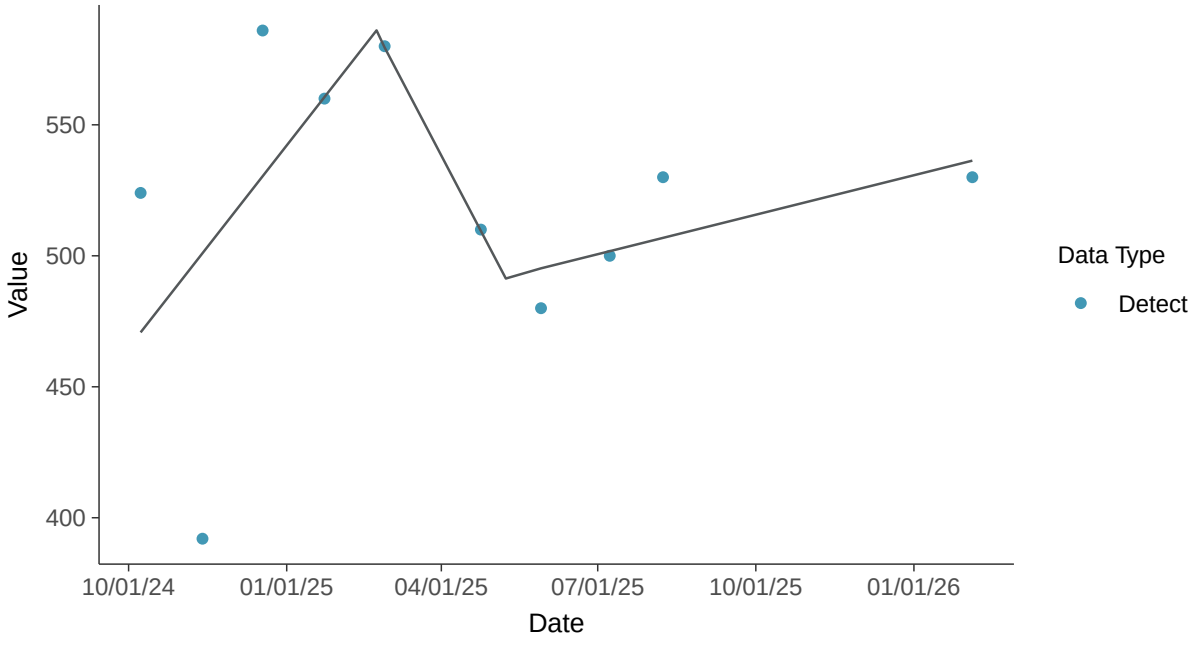
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-18A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Total Dissolved Solids, MW-18A (mg/l)

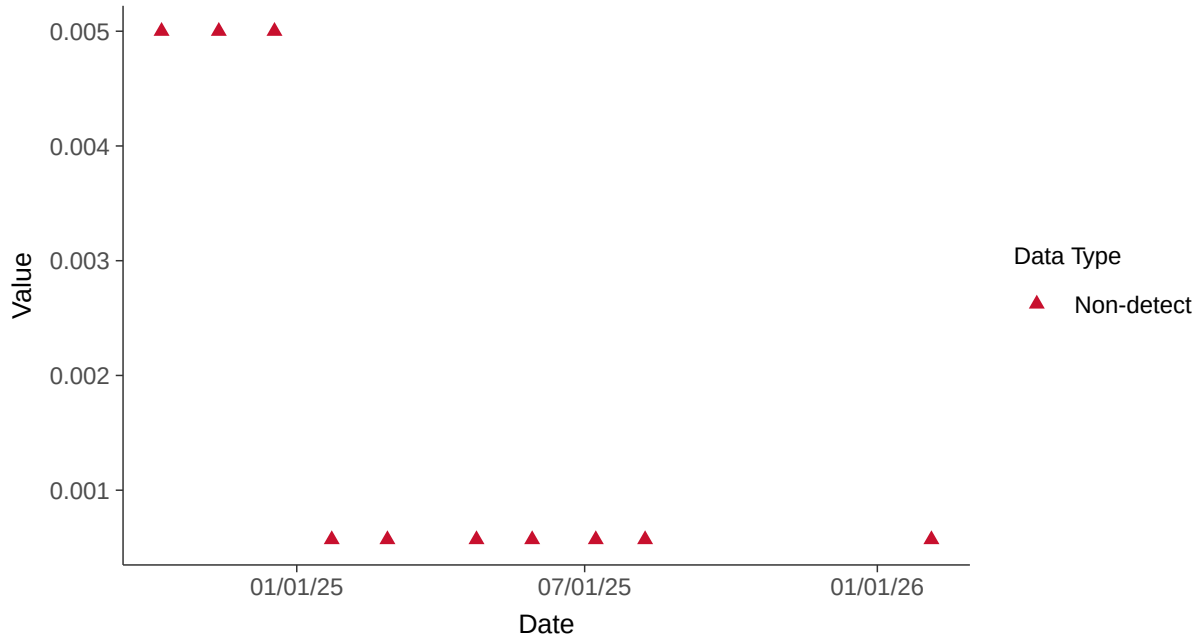


Appendix IV: Antimony, MW-18A

ID: 28_3_101

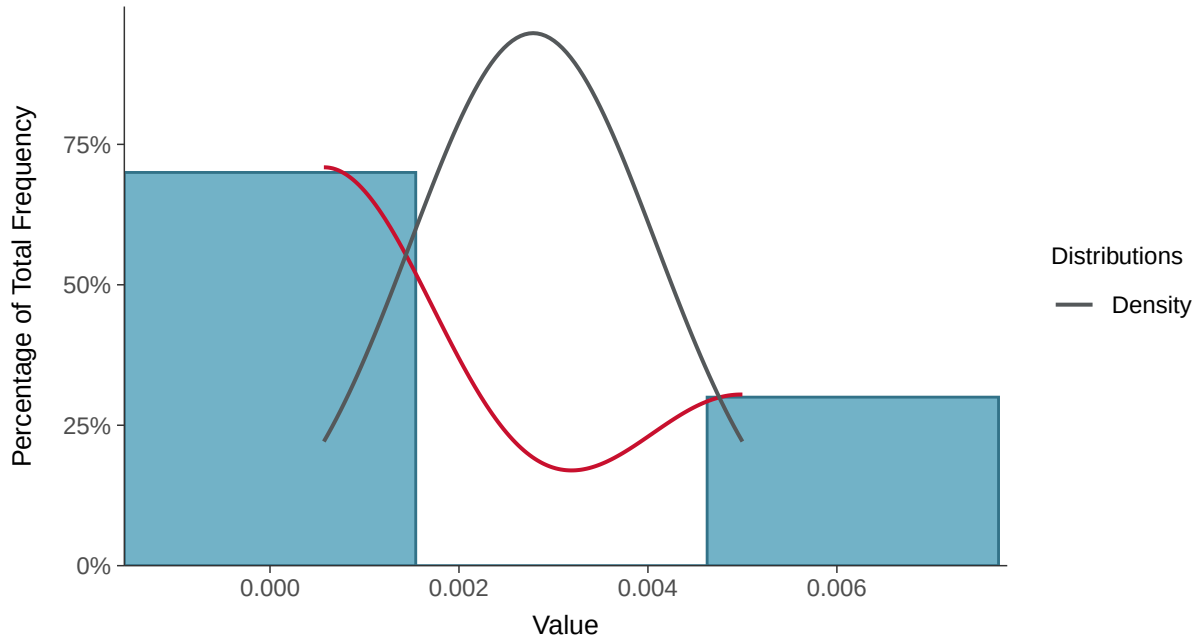
Scatter Plot

Antimony, MW-18A (mg/l)



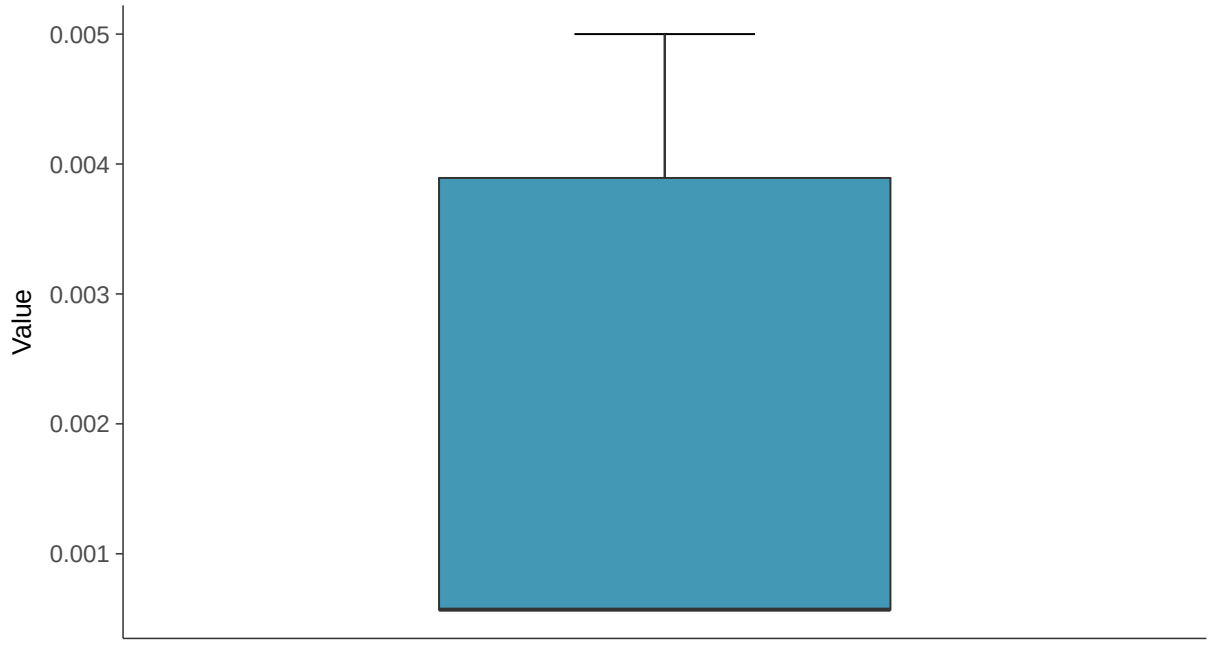
Histogram

Antimony, MW-18A (mg/l)



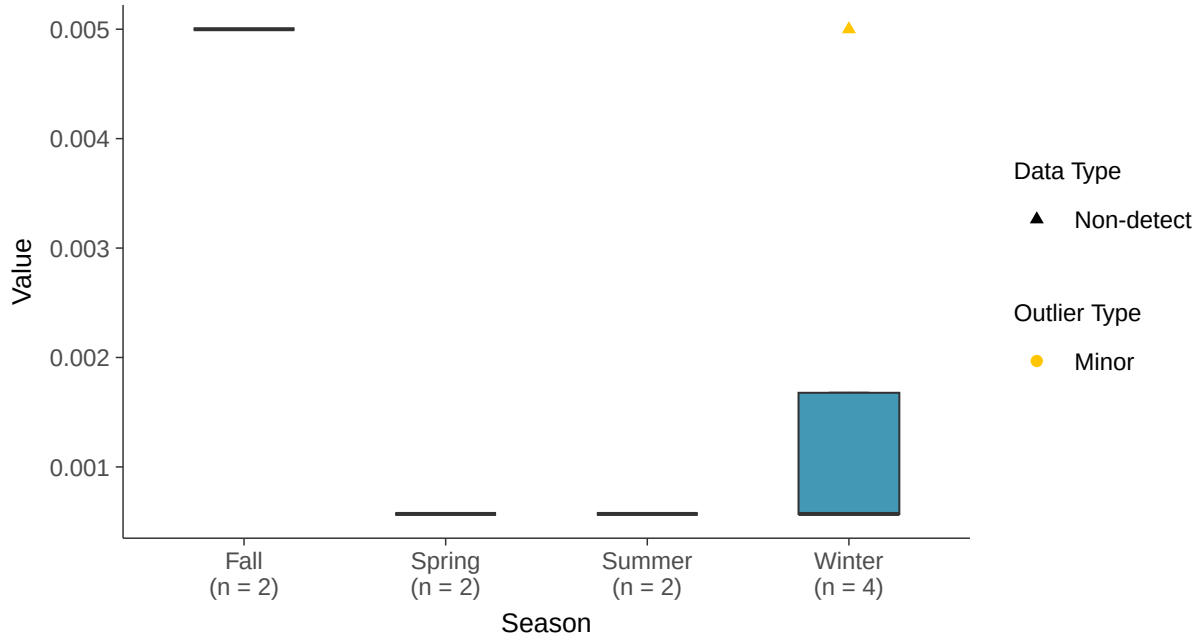
Boxplot

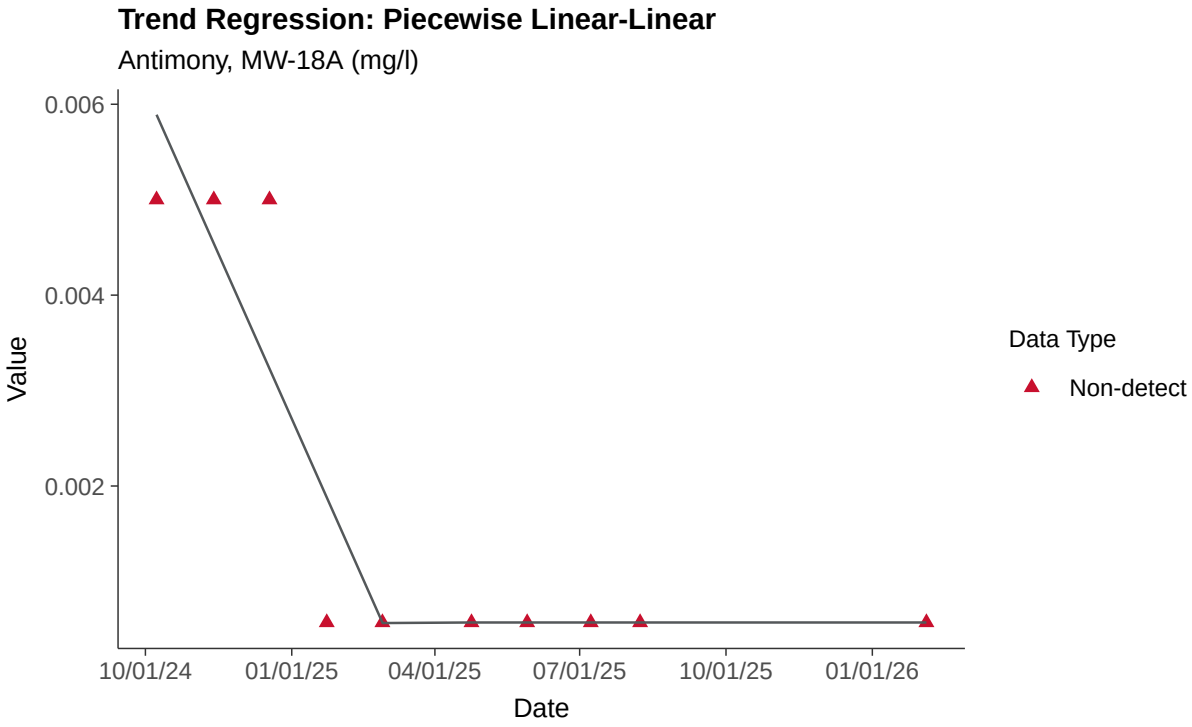
Antimony, MW-18A (mg/l)



Boxplot by Season

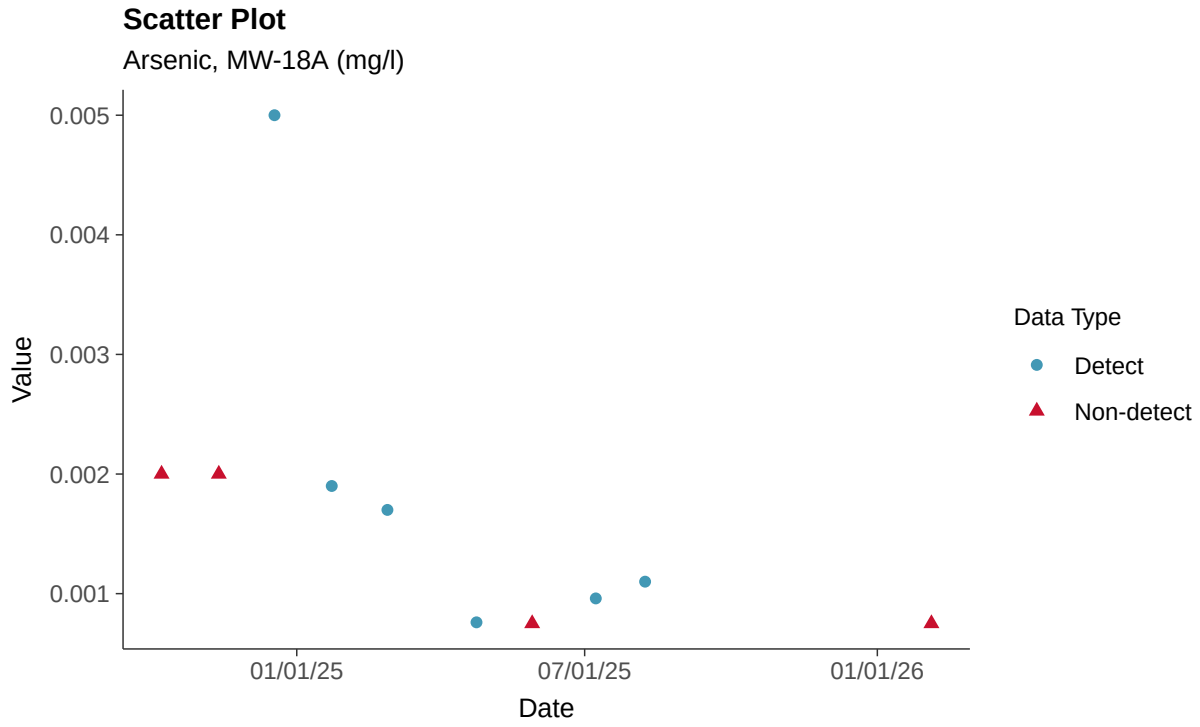
Antimony, MW-18A (mg/l)

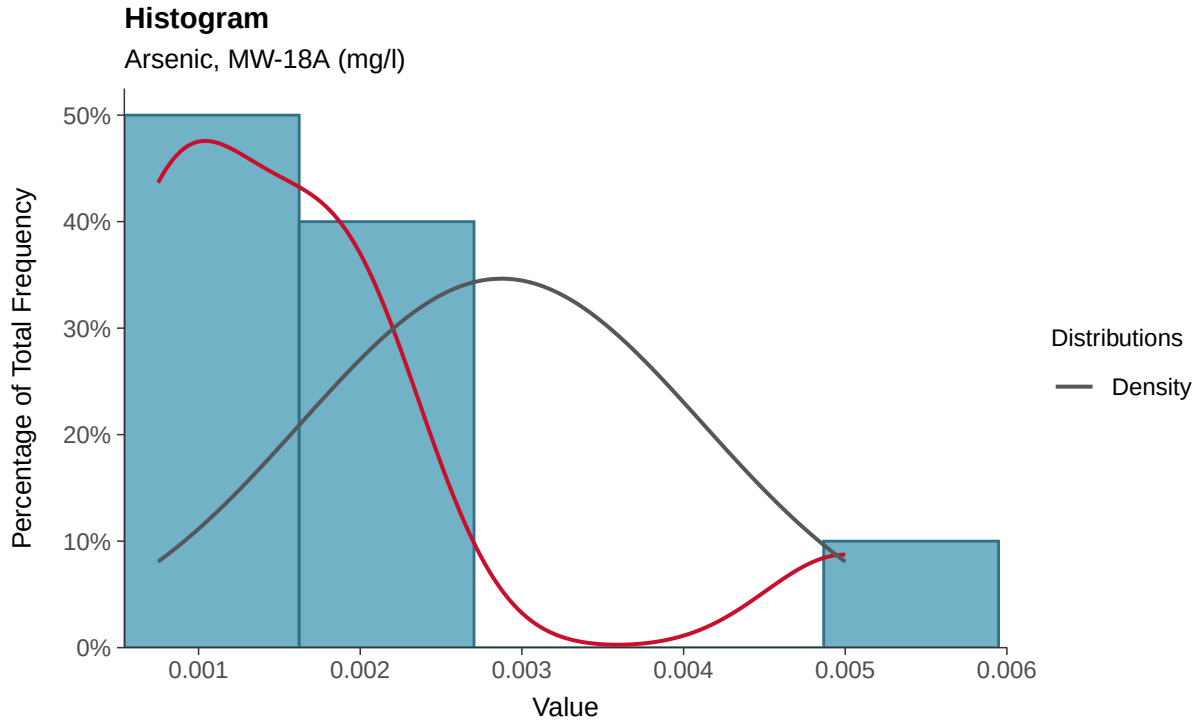



Trend Regression: Piecewise Linear-Linear
Antimony, MW-18A (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-18A

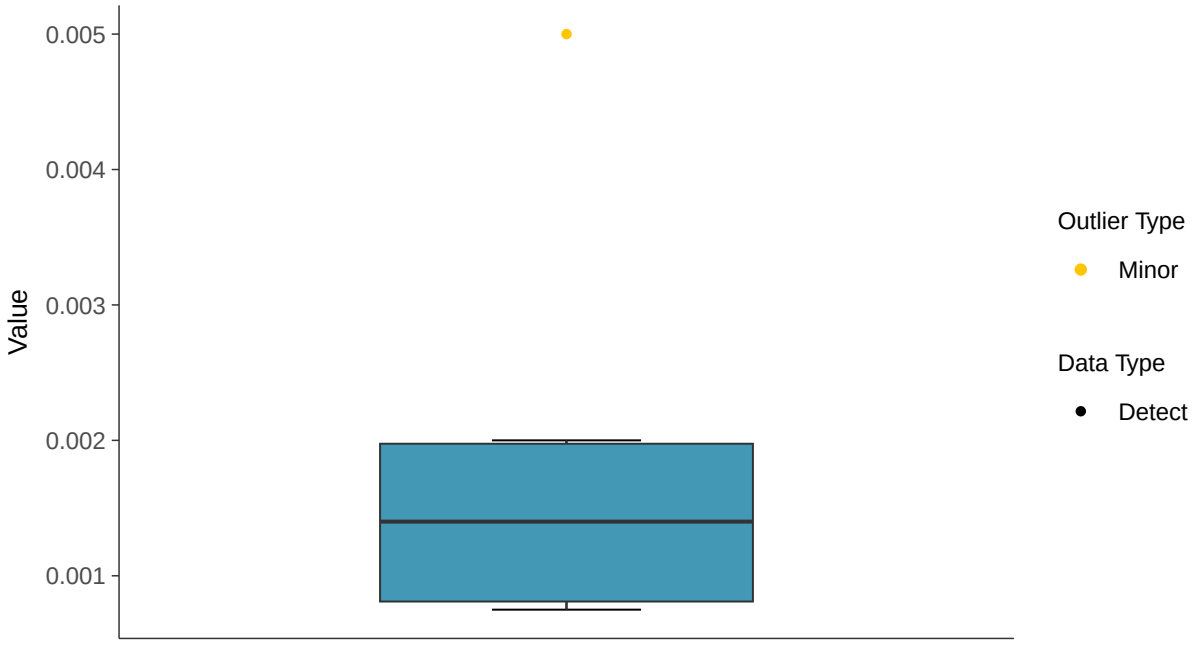
ID: 28_3_102





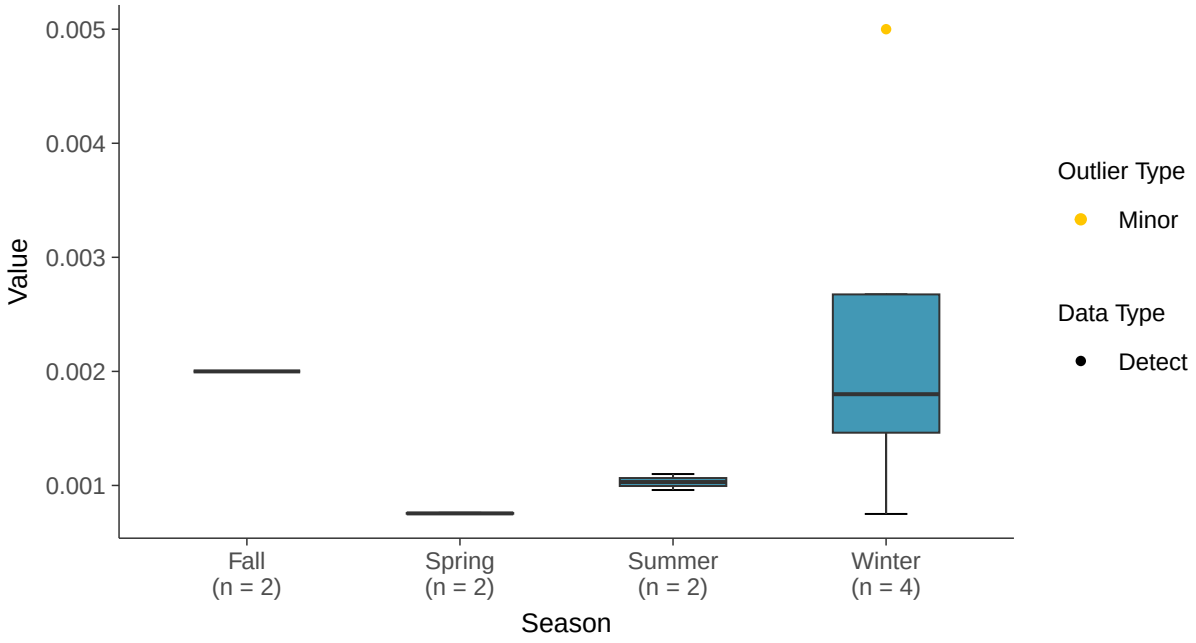
Boxplot

Arsenic, MW-18A (mg/l)



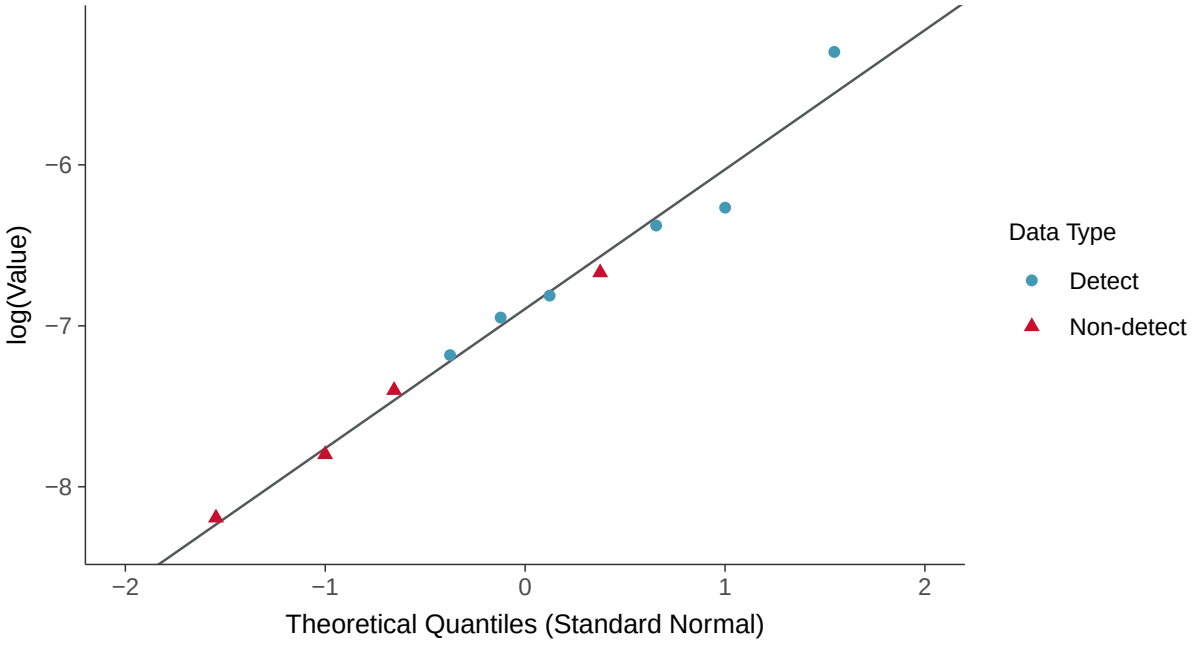
Boxplot by Season

Arsenic, MW-18A (mg/l)



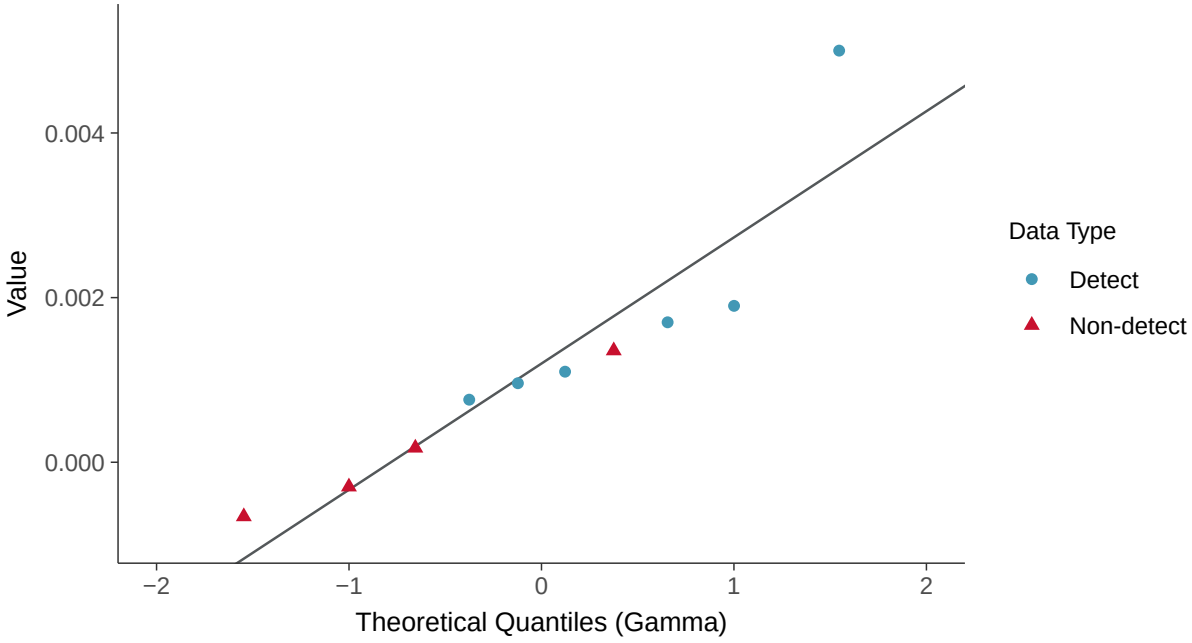
Lognormal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-18A (mg/l)



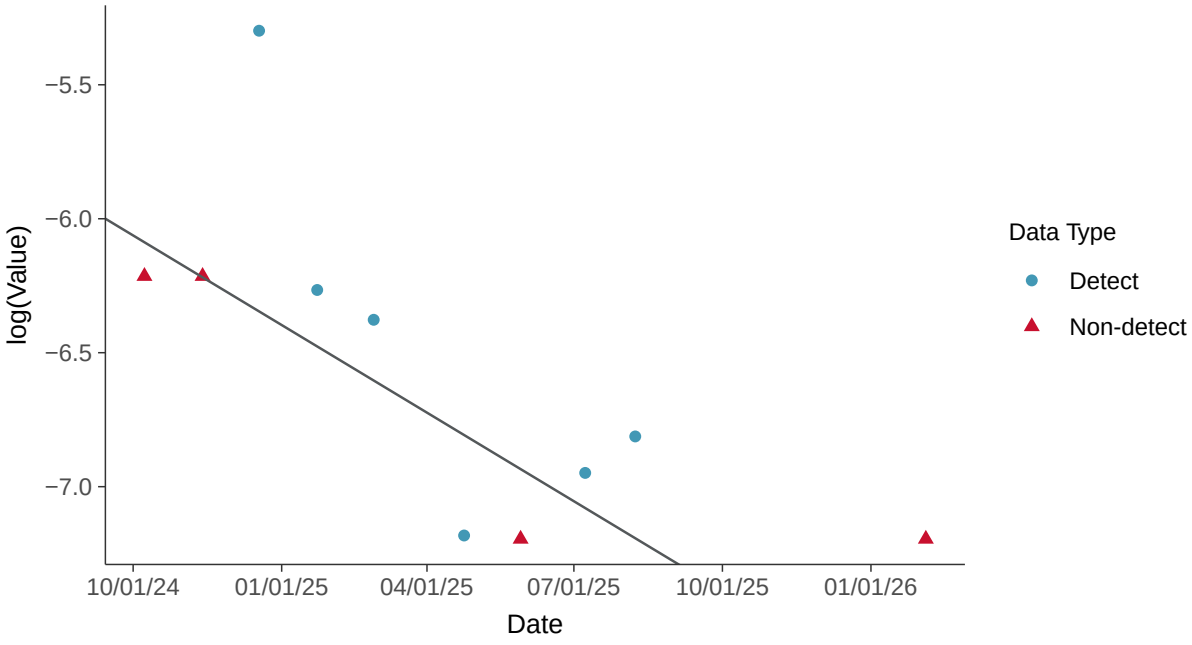
Gamma Q-Q plot using ROS Imputed Estimates

Arsenic, MW-18A (mg/l)



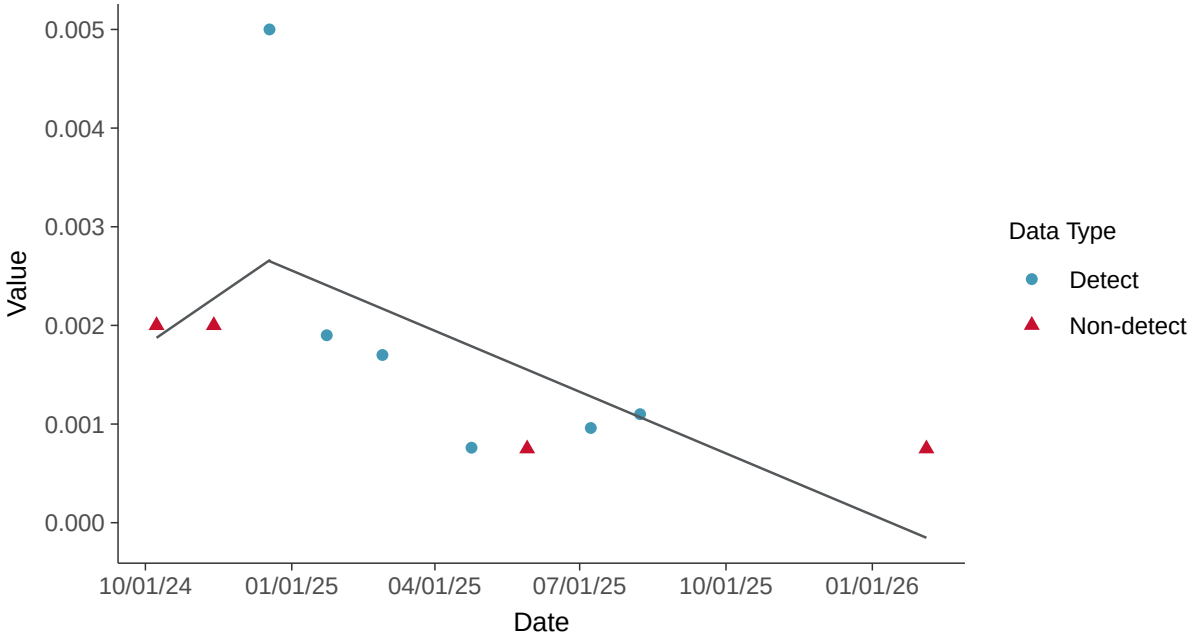
Trend Regression: Lognormal MLE

Arsenic, MW-18A (mg/l)



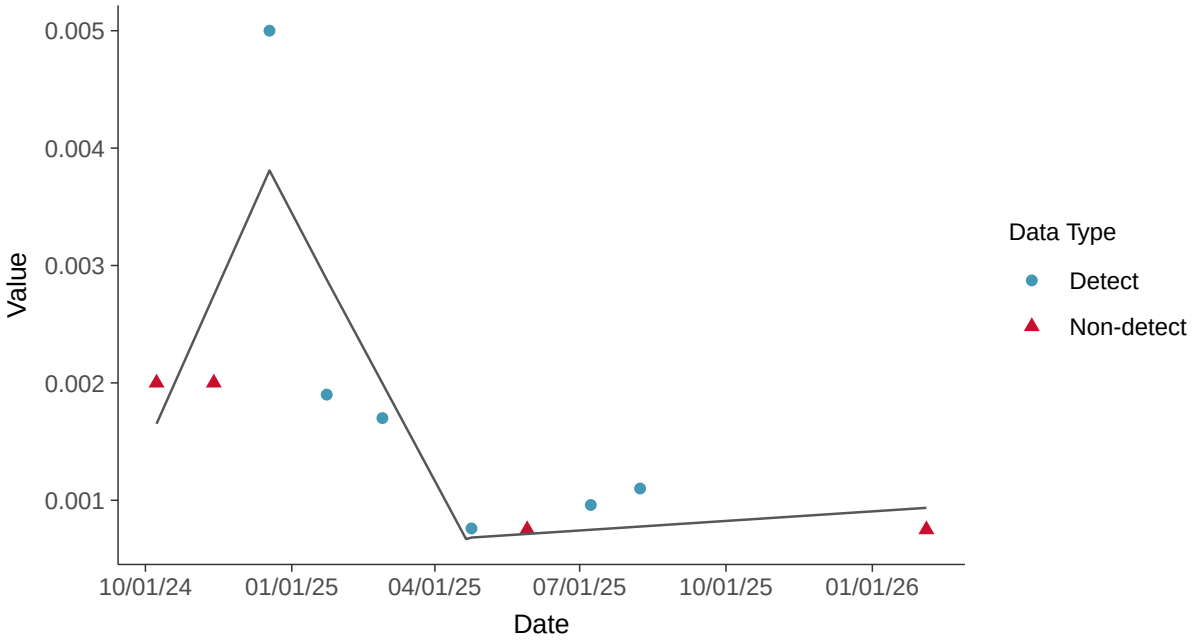
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-18A (mg/l)



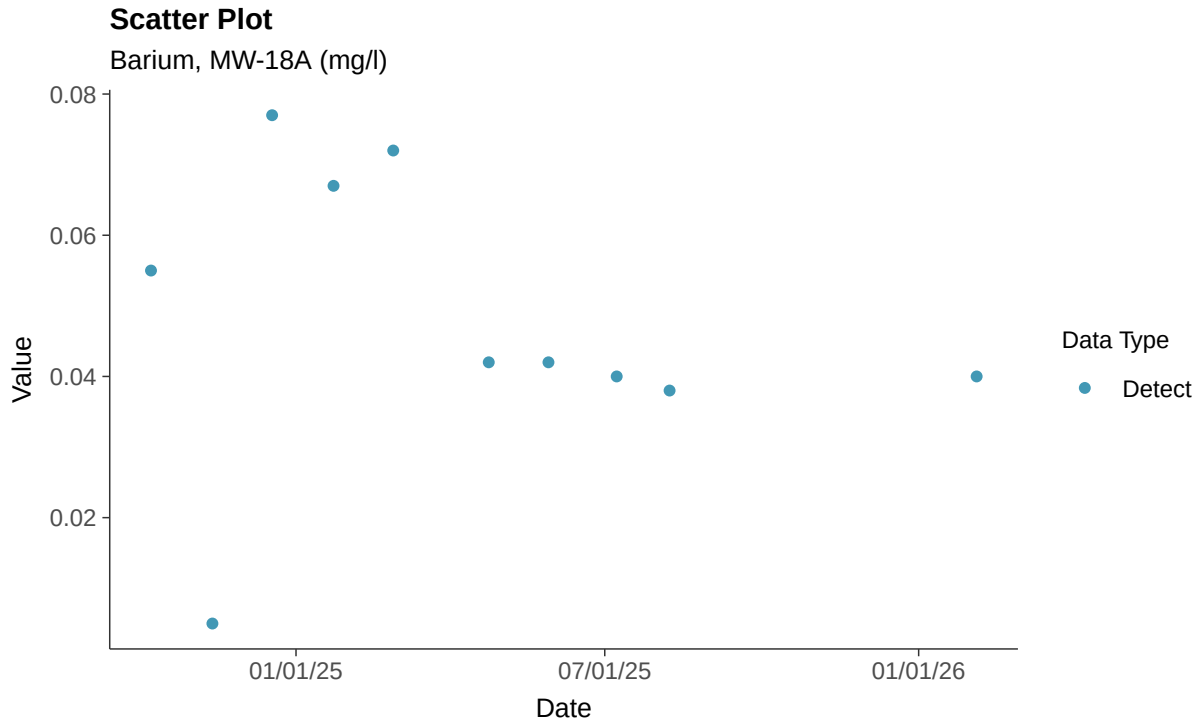
Trend Regression: Piecewise Linear-Linear-Linear

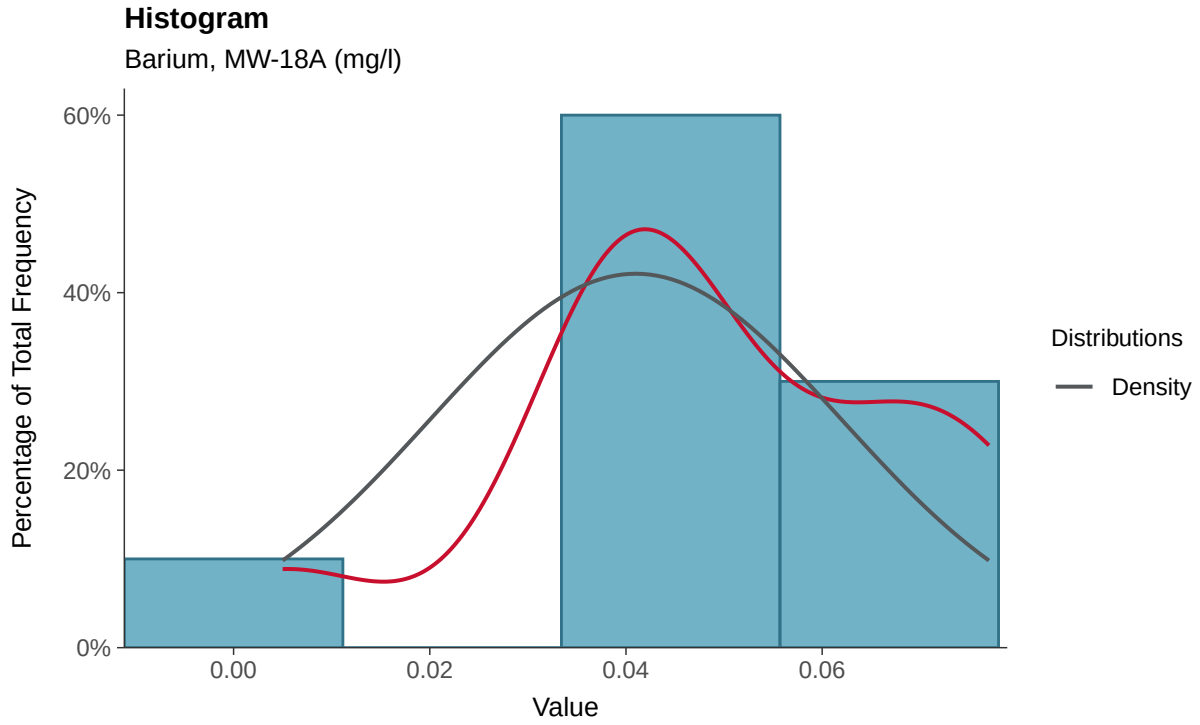
Arsenic, MW-18A (mg/l)



Appendix IV: Barium, MW-18A

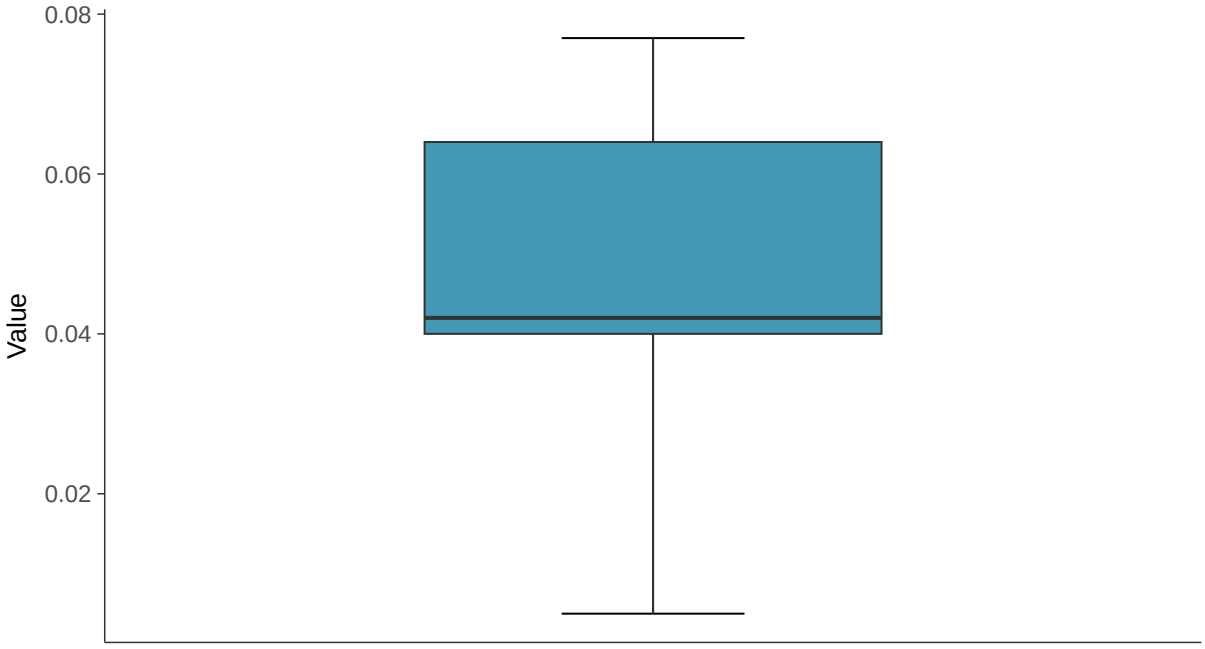
ID: 28_3_103





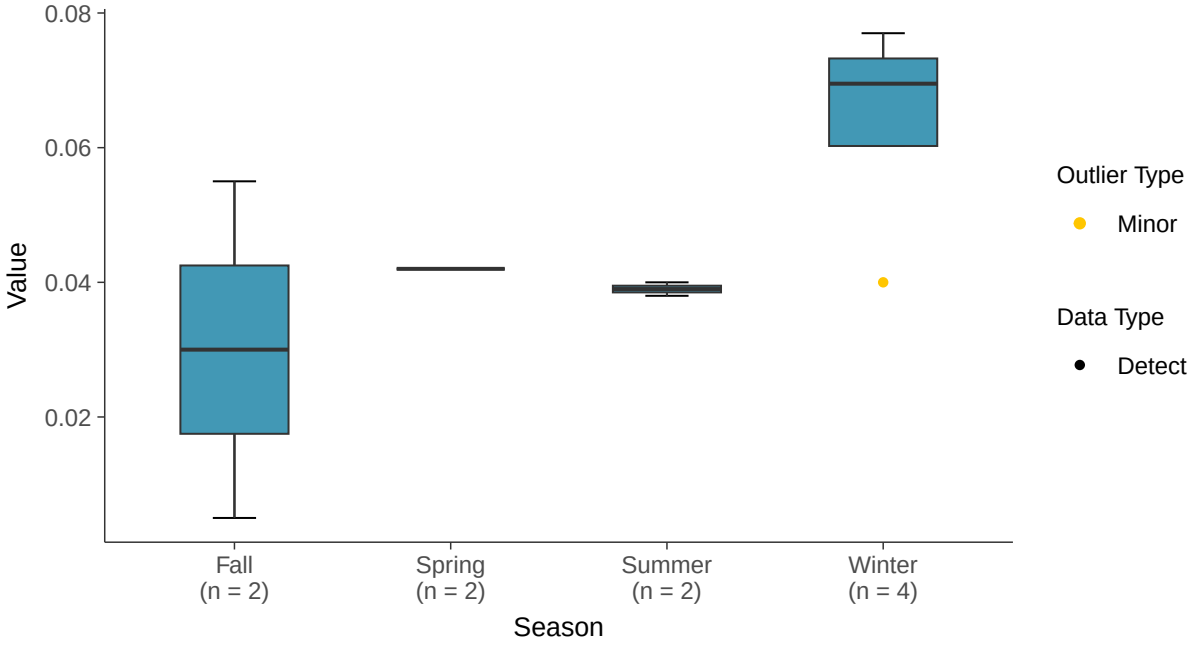
Boxplot

Barium, MW-18A (mg/l)



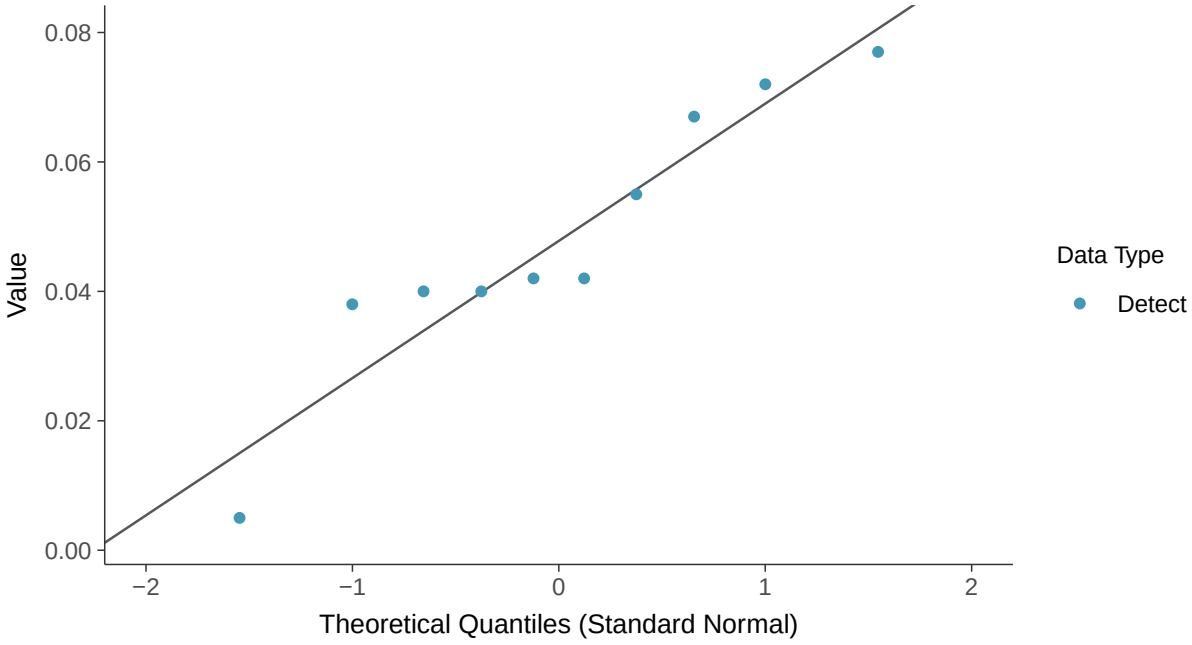
Boxplot by Season

Barium, MW-18A (mg/l)



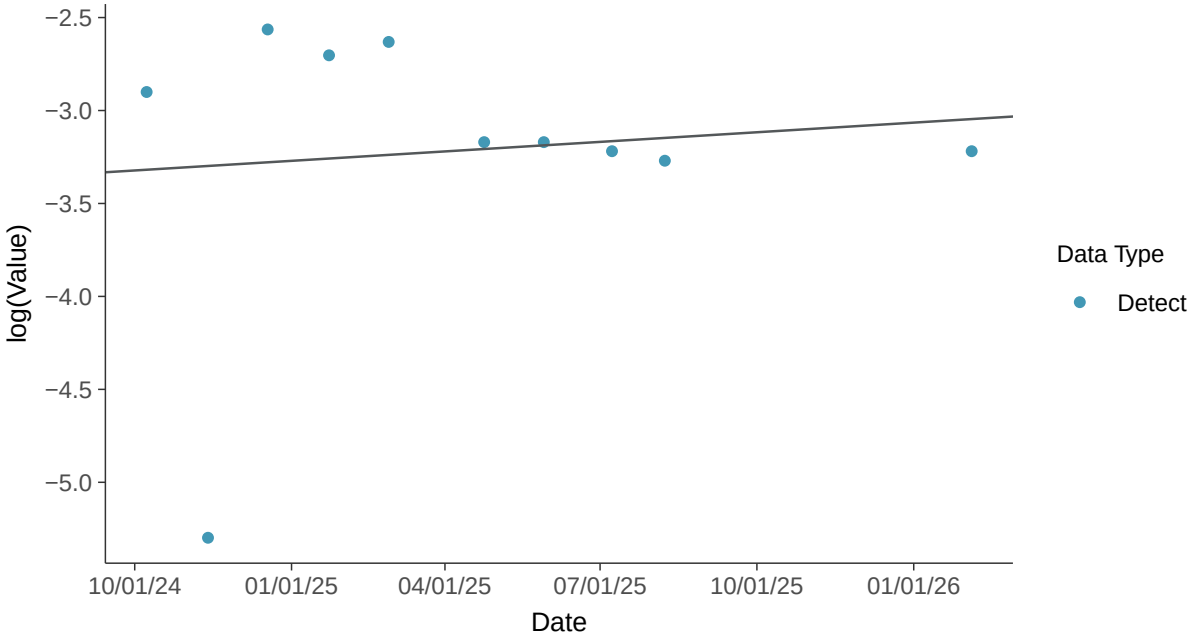
Normal Q-Q plot

Barium, MW-18A (mg/l)



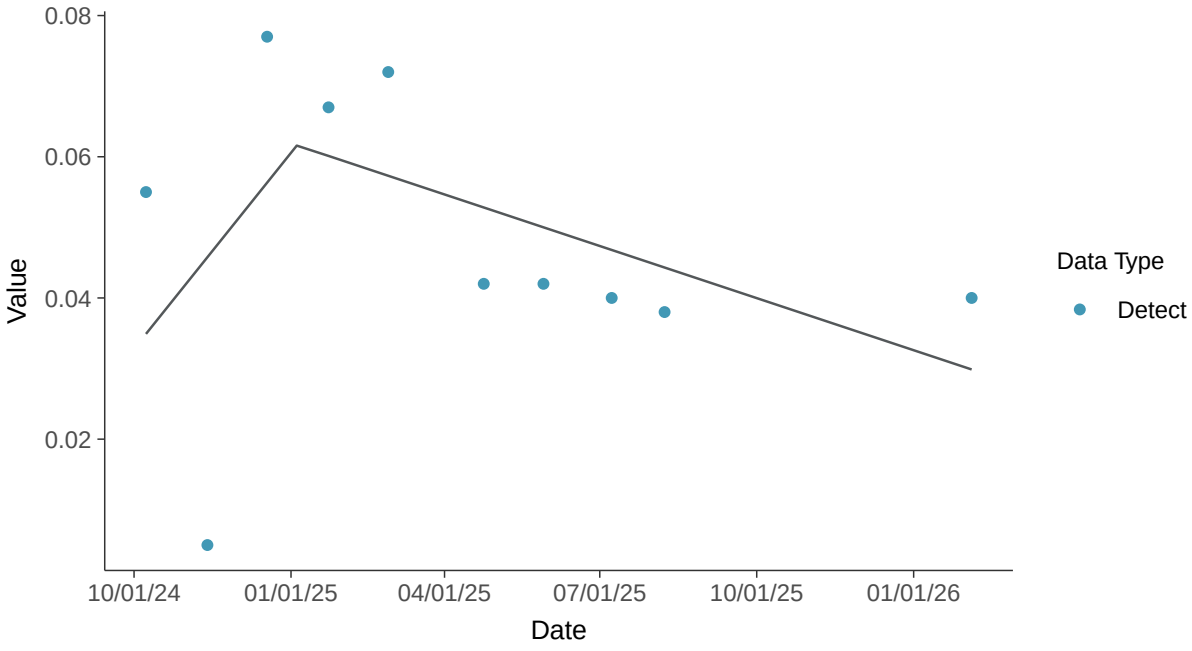
Trend Regression: Lognormal MLE

Barium, MW-18A (mg/l)



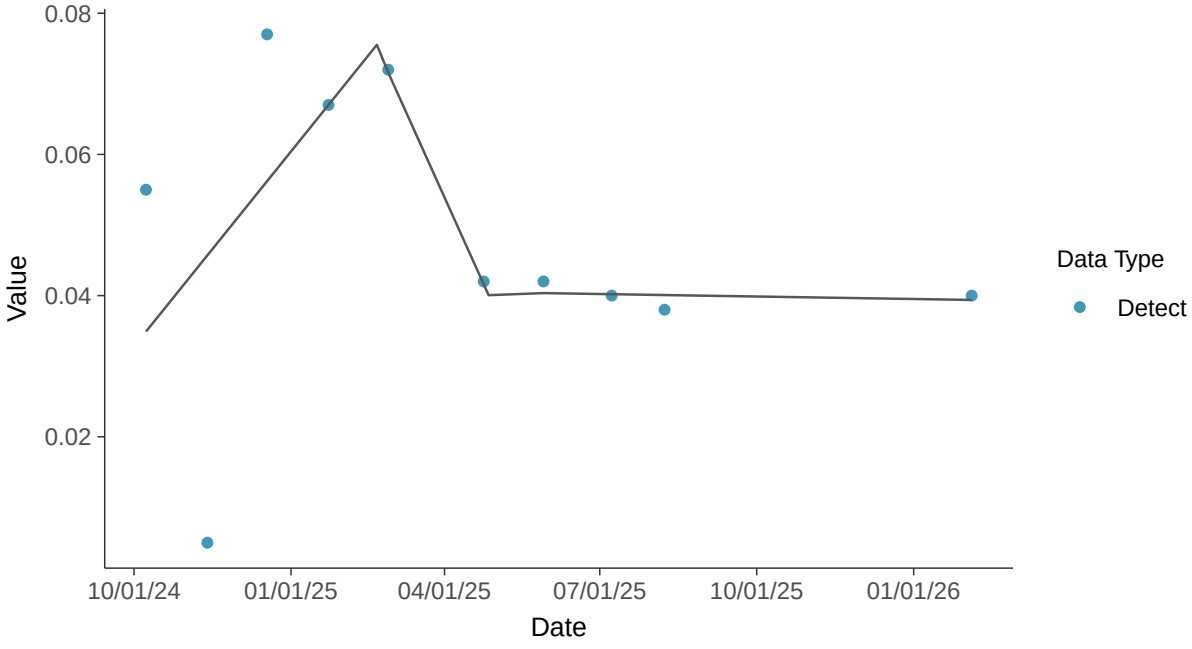
Trend Regression: Piecewise Linear-Linear

Barium, MW-18A (mg/l)



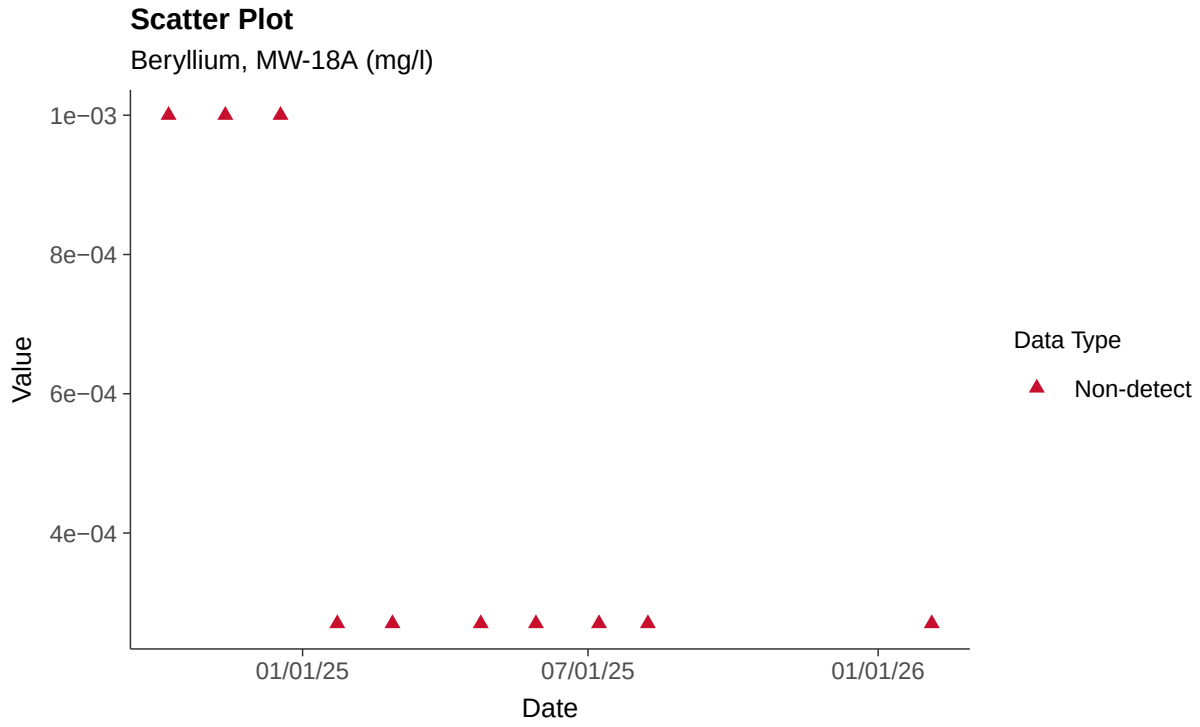
Trend Regression: Piecewise Linear-Linear-Linear

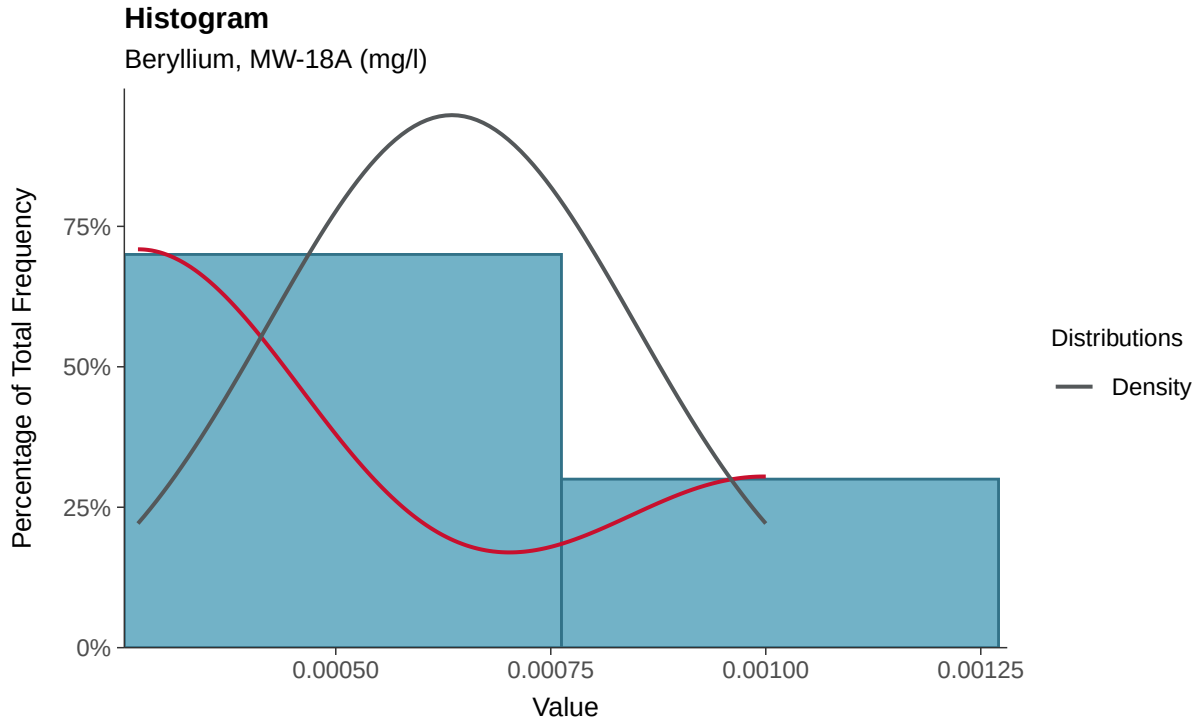
Barium, MW-18A (mg/l)



Appendix IV: Beryllium, MW-18A

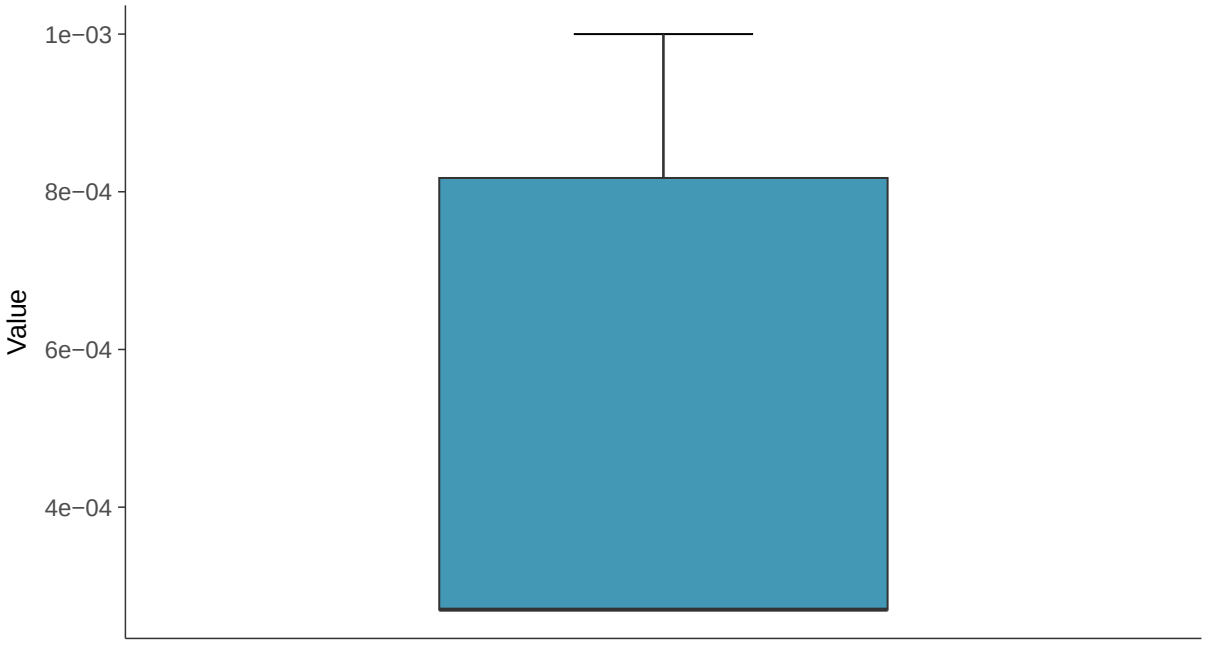
ID: 28_3_104





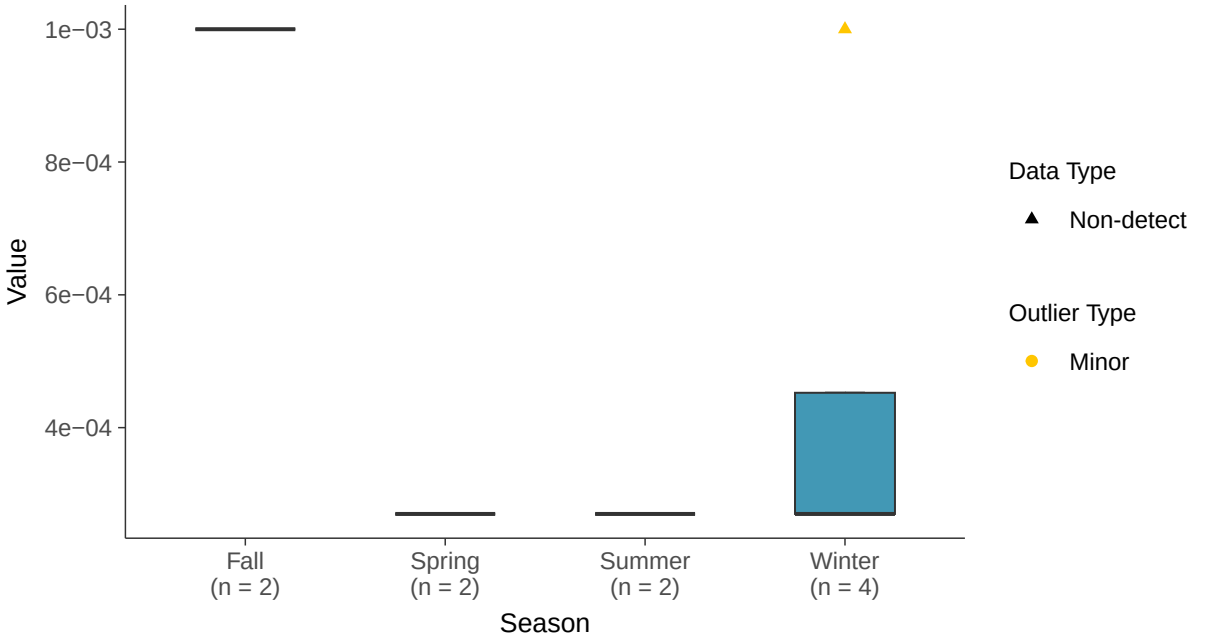
Boxplot

Beryllium, MW-18A (mg/l)



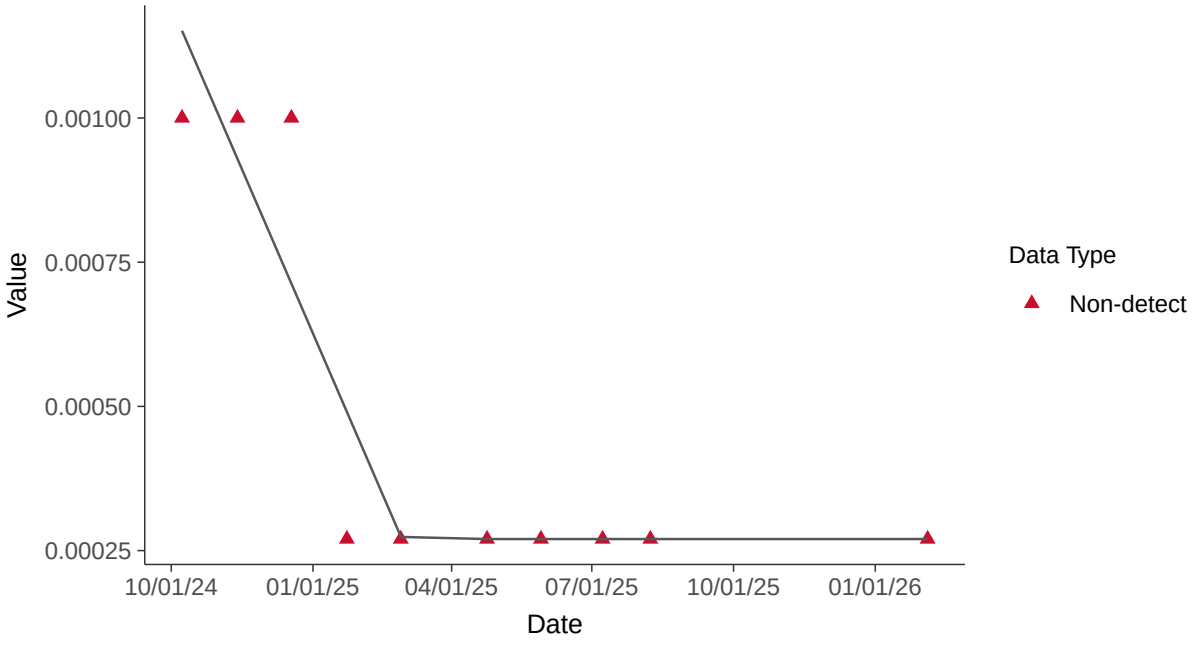
Boxplot by Season

Beryllium, MW-18A (mg/l)



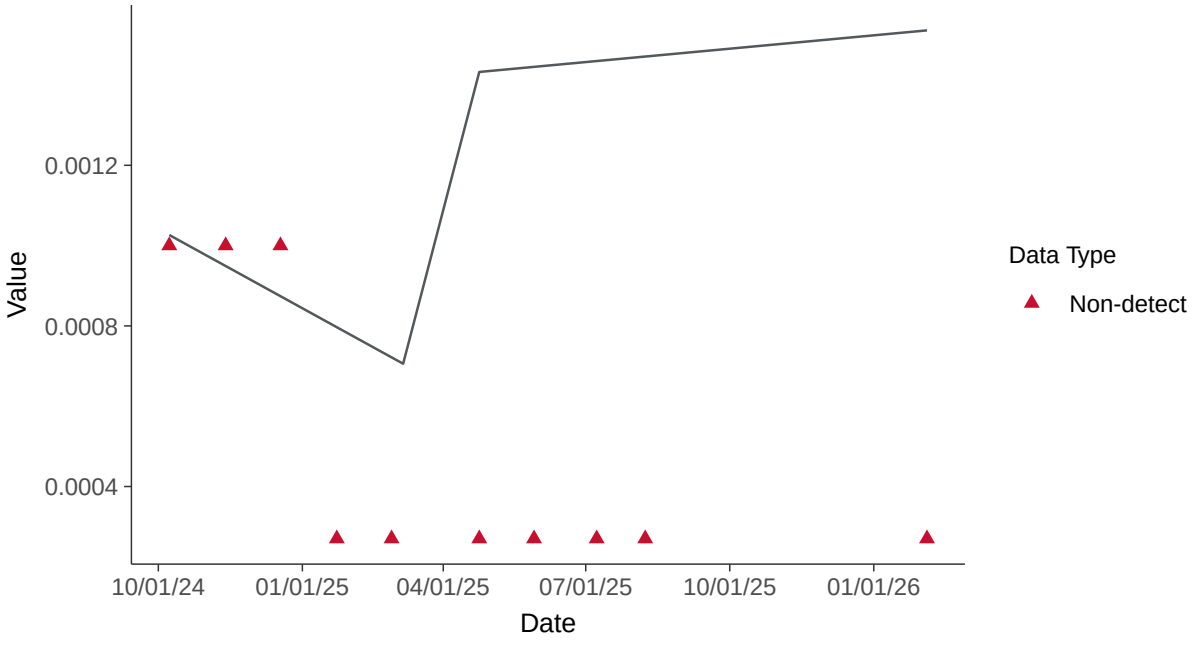
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-18A (mg/l)



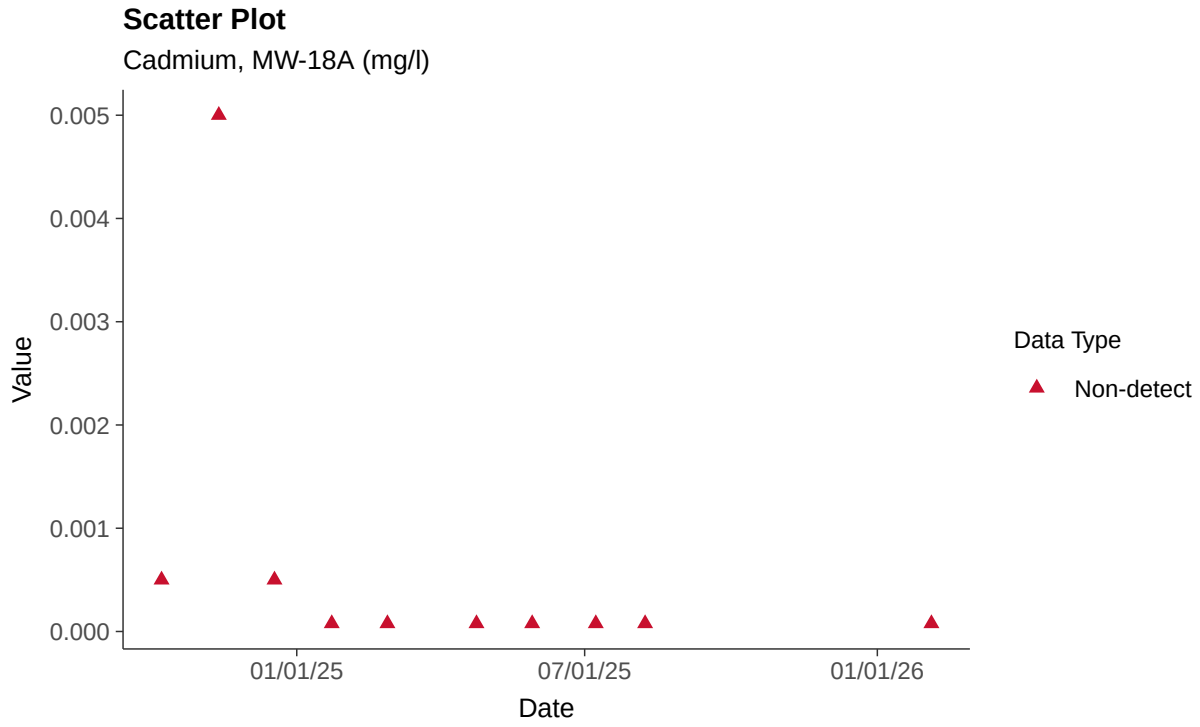
Trend Regression: Piecewise Linear-Linear-Linear

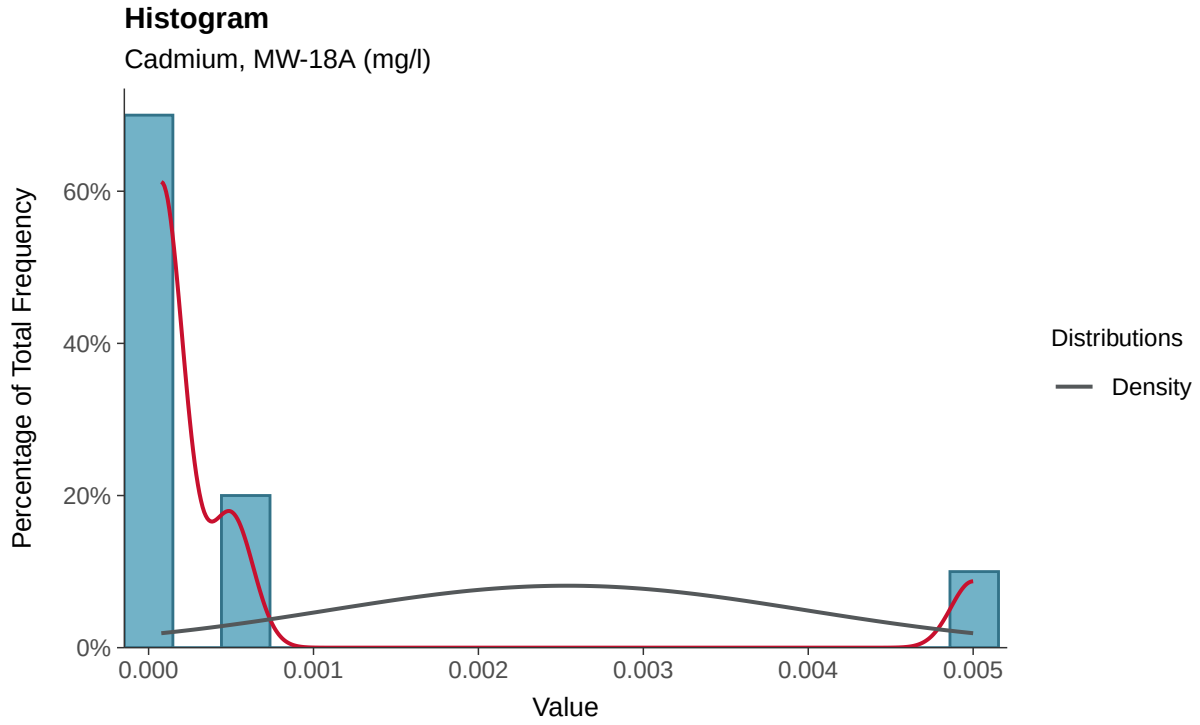
Beryllium, MW-18A (mg/l)



Appendix IV: Cadmium, MW-18A

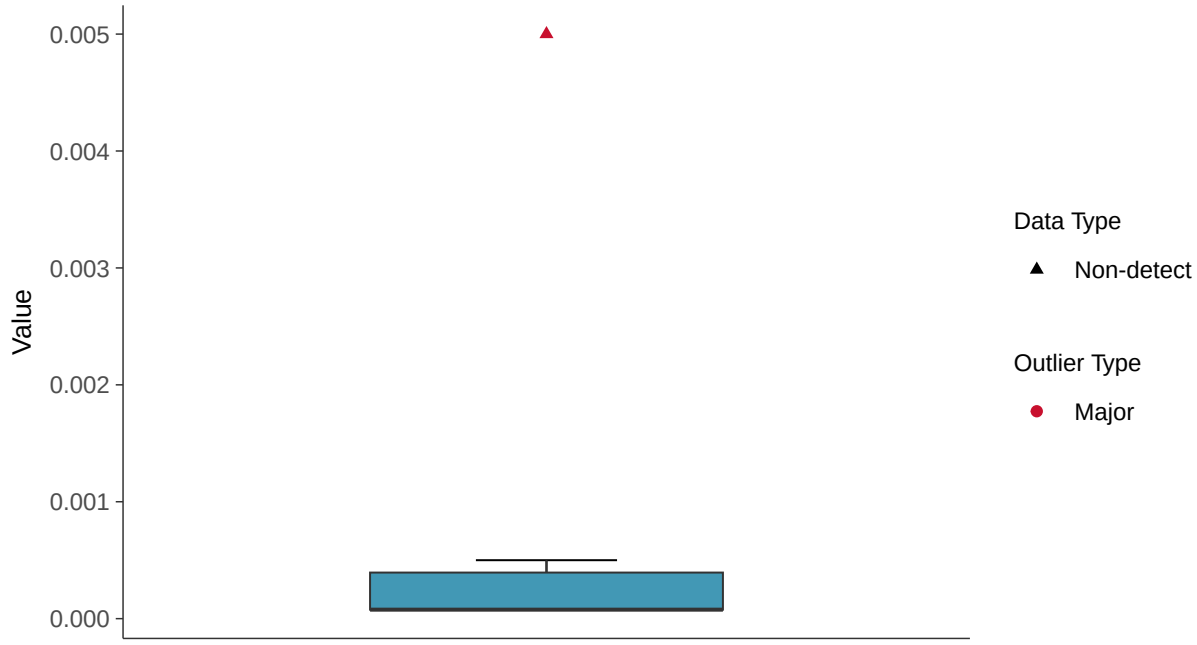
ID: 28_3_106





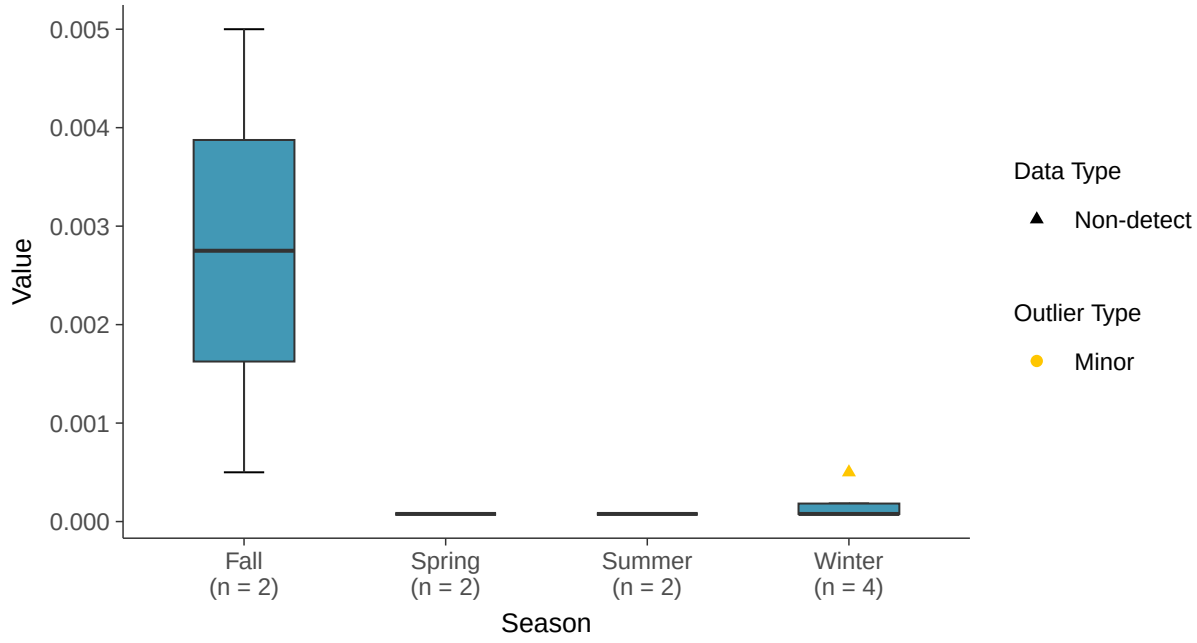
Boxplot

Cadmium, MW-18A (mg/l)



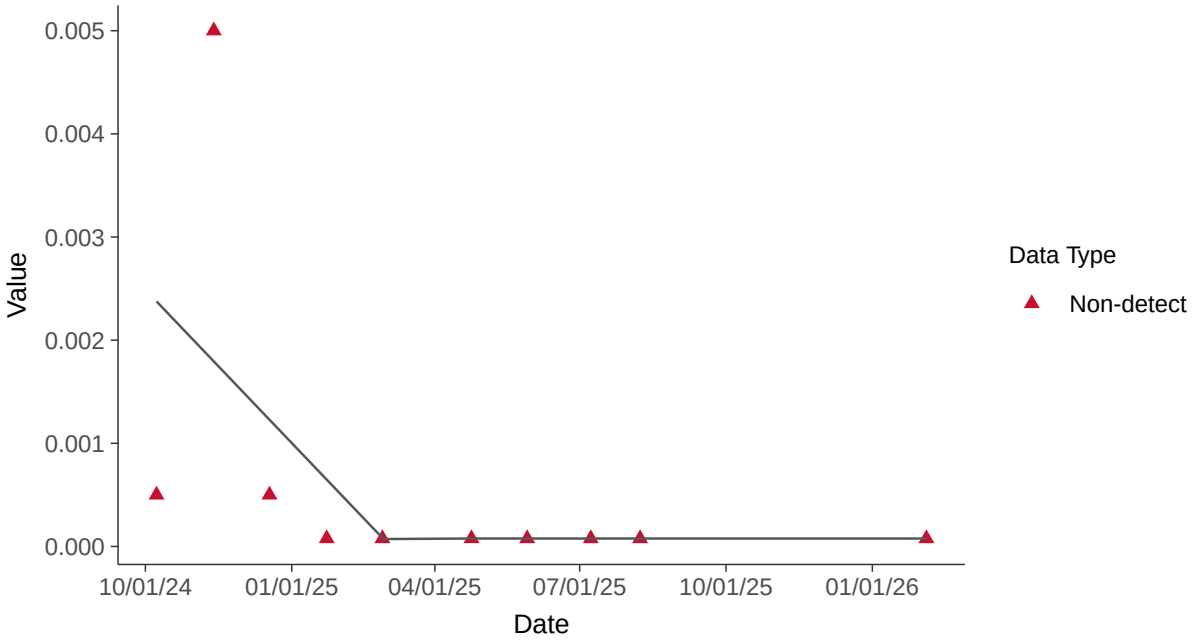
Boxplot by Season

Cadmium, MW-18A (mg/l)



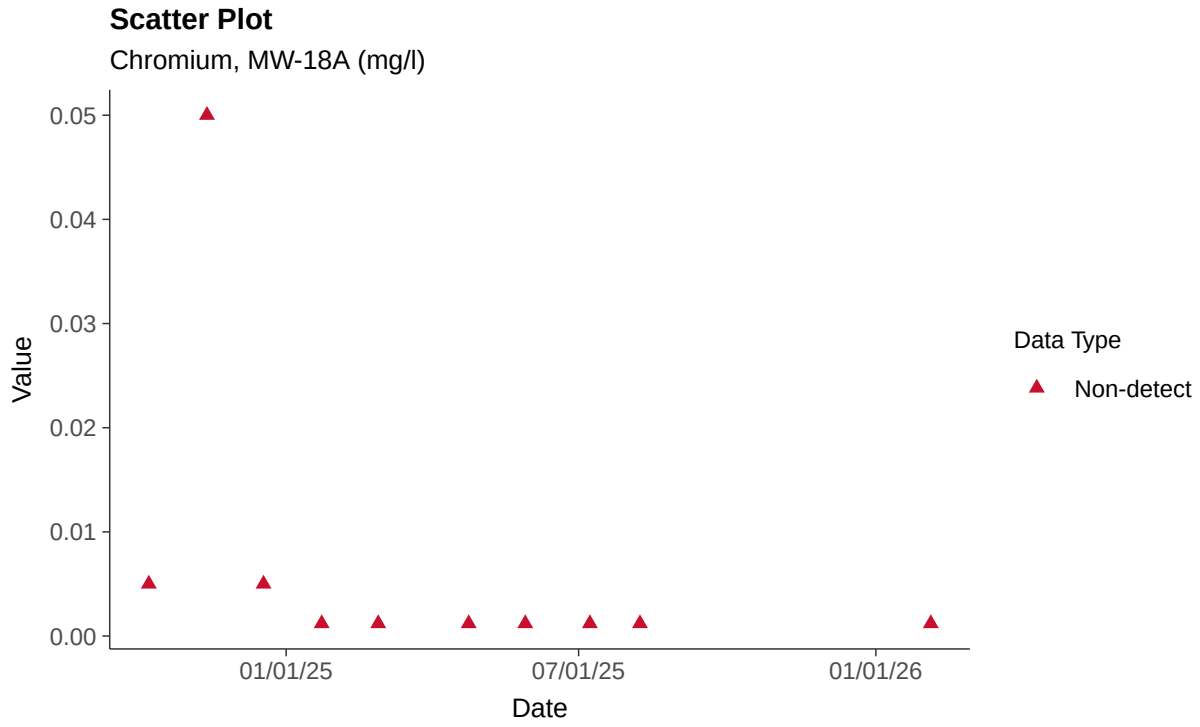
Trend Regression: Piecewise Linear-Linear

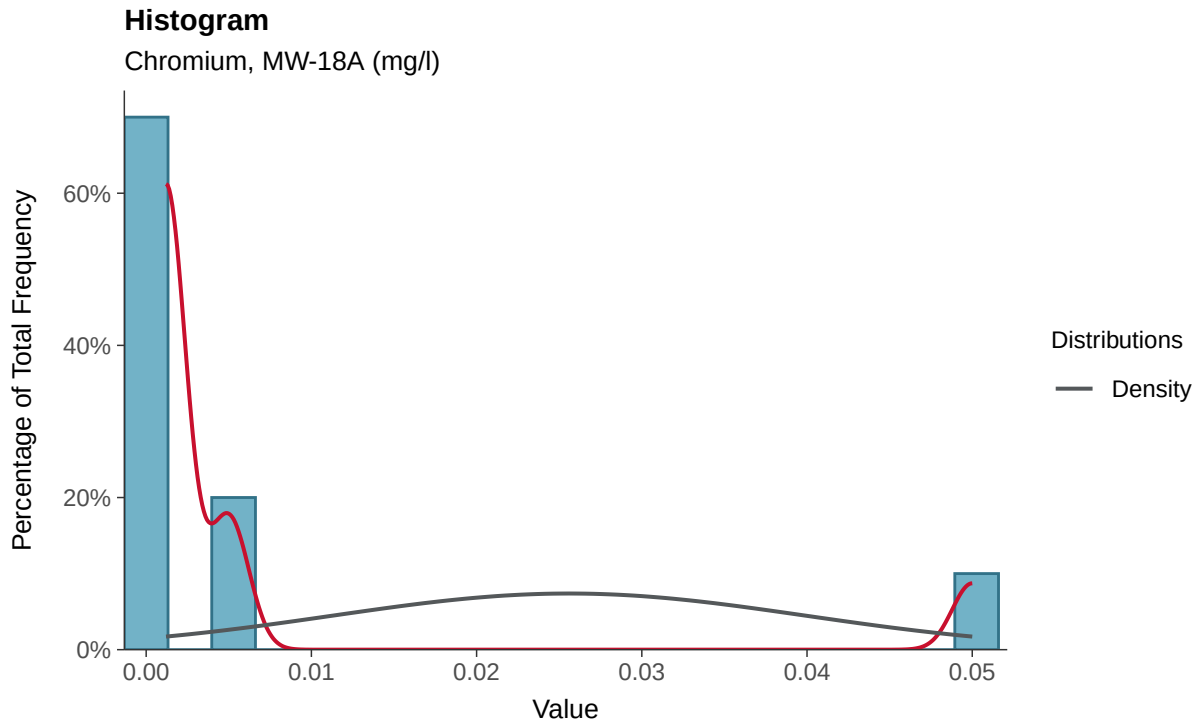
Cadmium, MW-18A (mg/l)



Appendix IV: Chromium, MW-18A

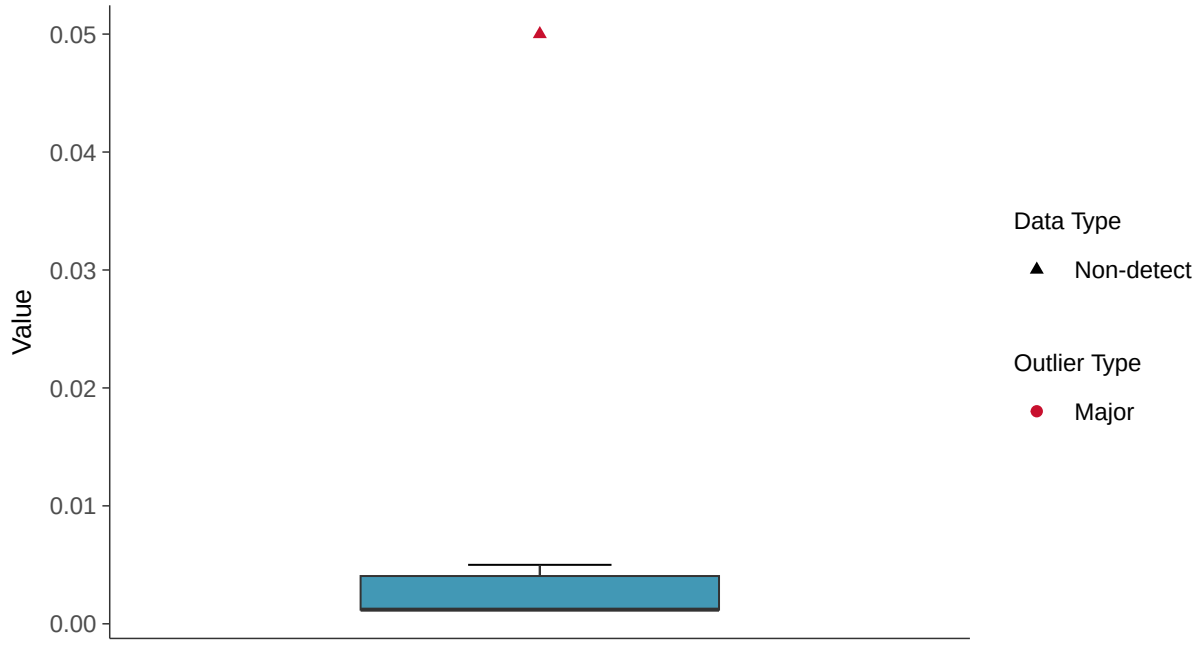
ID: 28_3_109





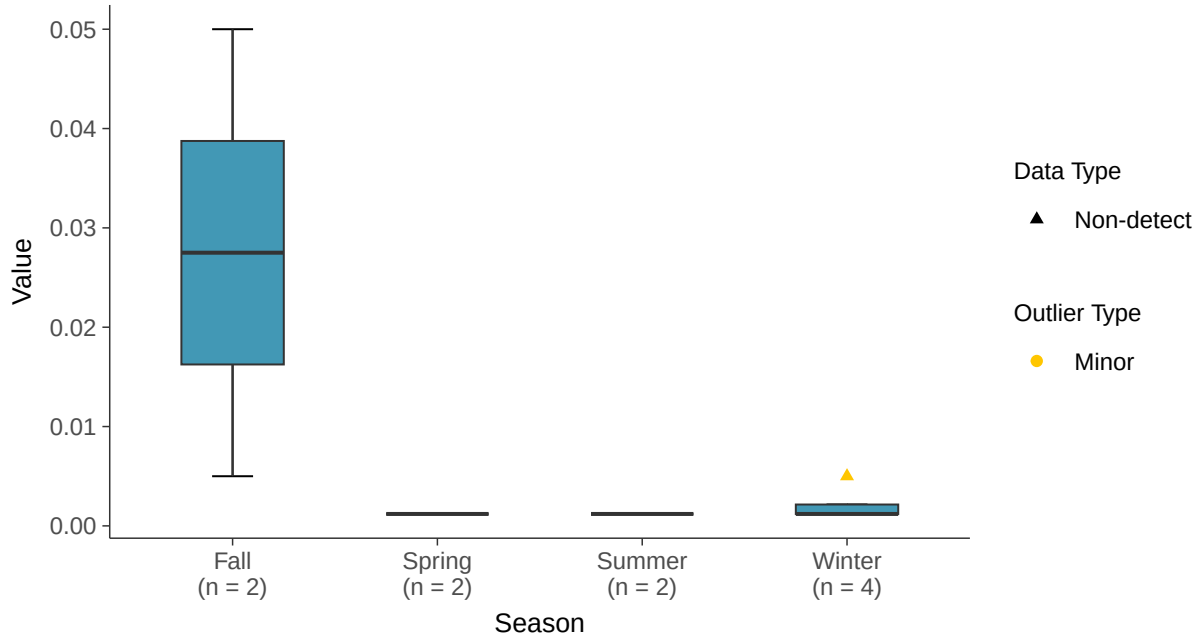
Boxplot

Chromium, MW-18A (mg/l)



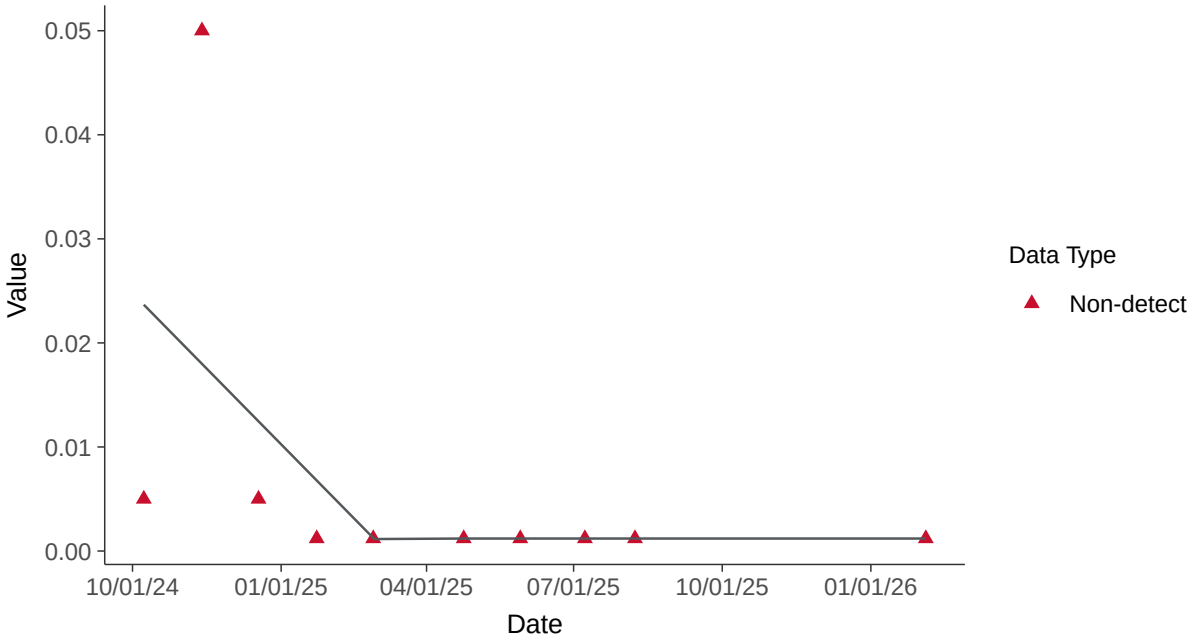
Boxplot by Season

Chromium, MW-18A (mg/l)



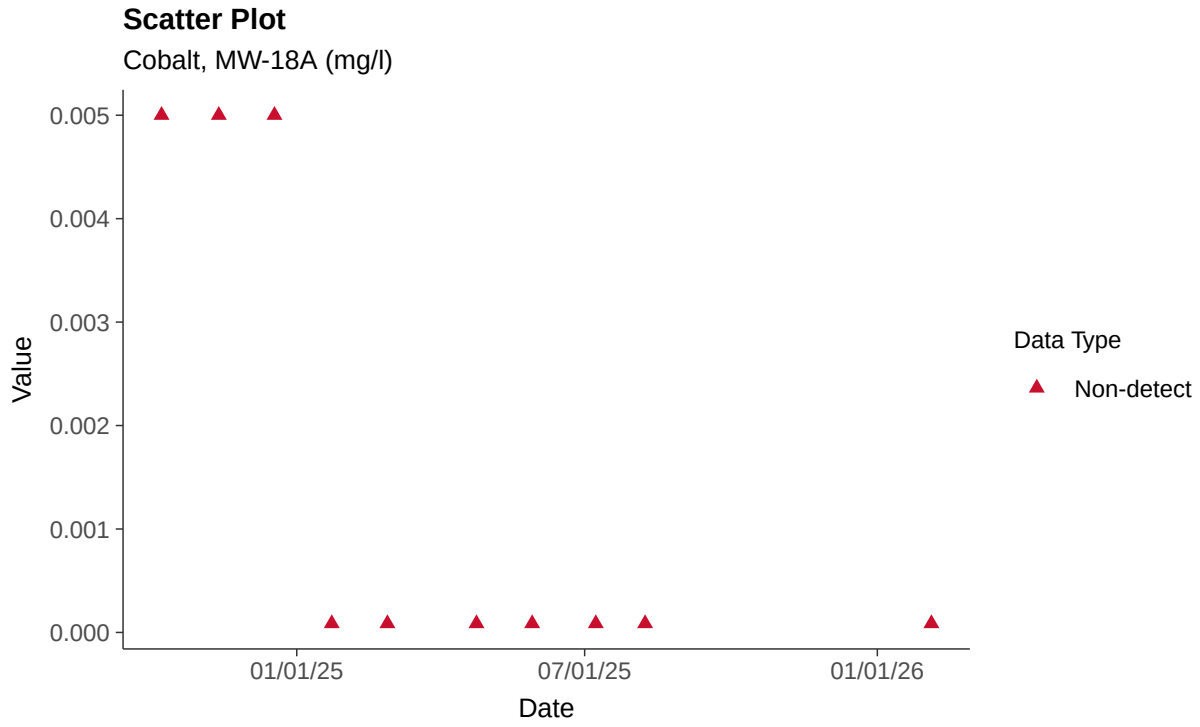
Trend Regression: Piecewise Linear-Linear

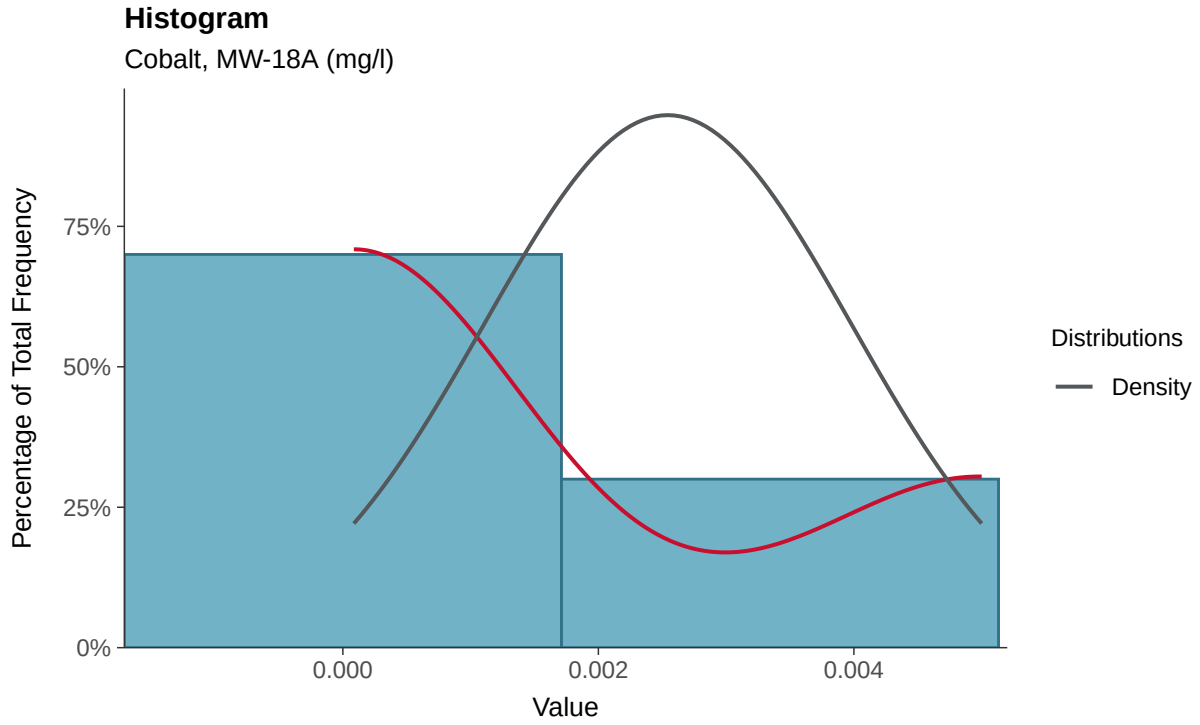
Chromium, MW-18A (mg/l)



Appendix IV: Cobalt, MW-18A

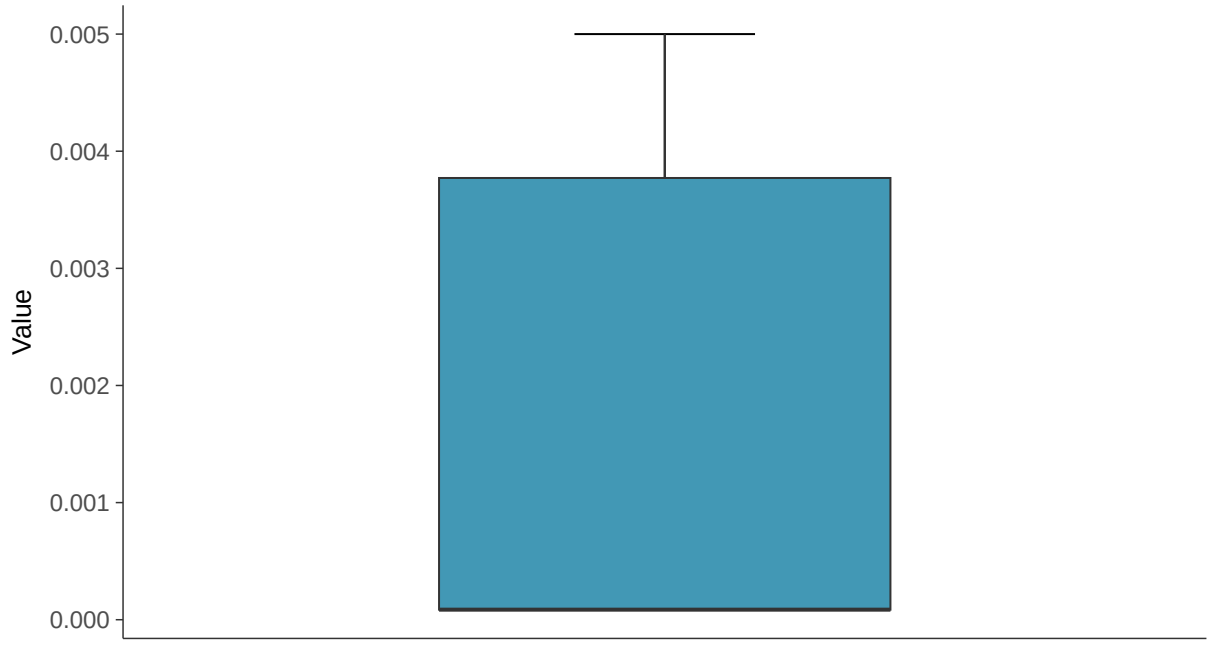
ID: 28_3_110





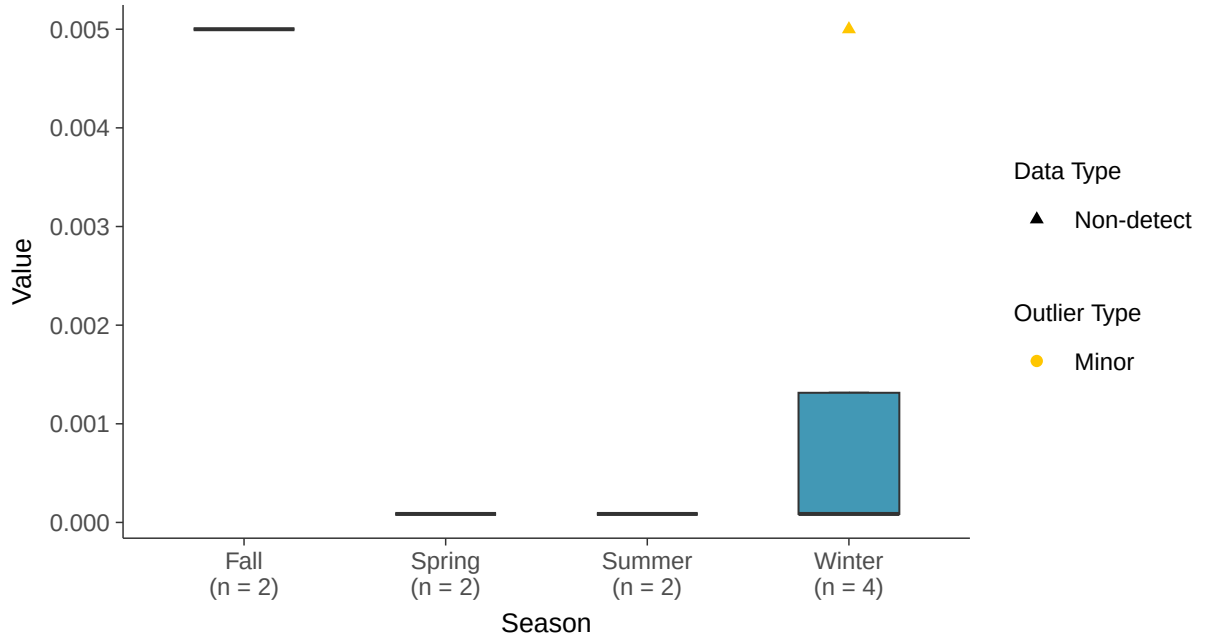
Boxplot

Cobalt, MW-18A (mg/l)



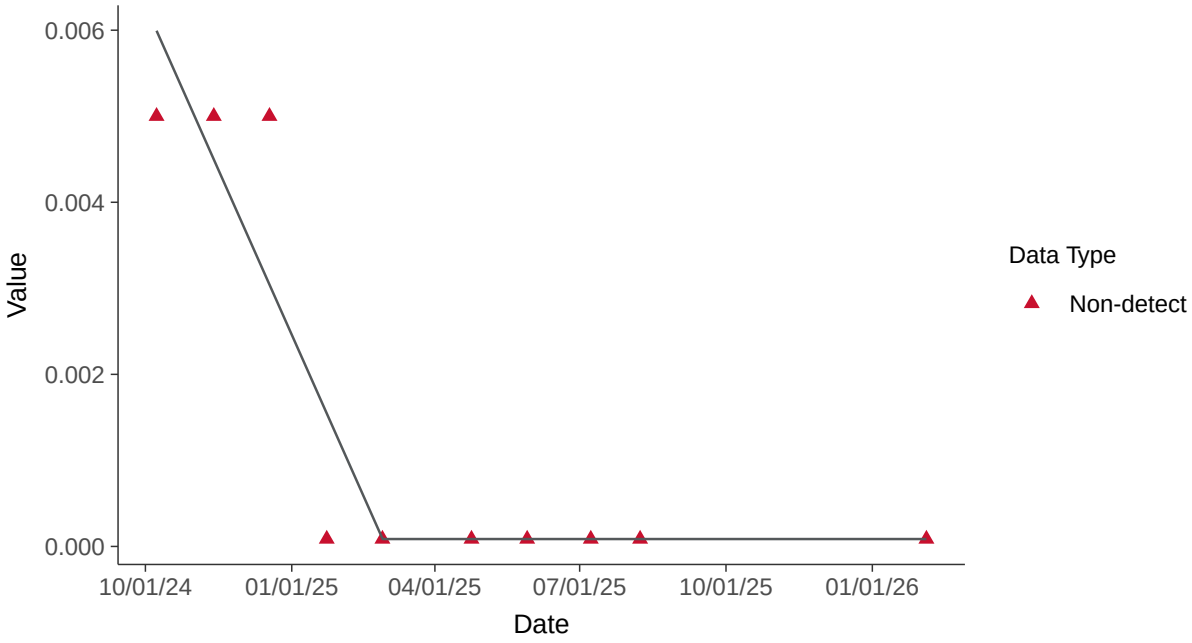
Boxplot by Season

Cobalt, MW-18A (mg/l)



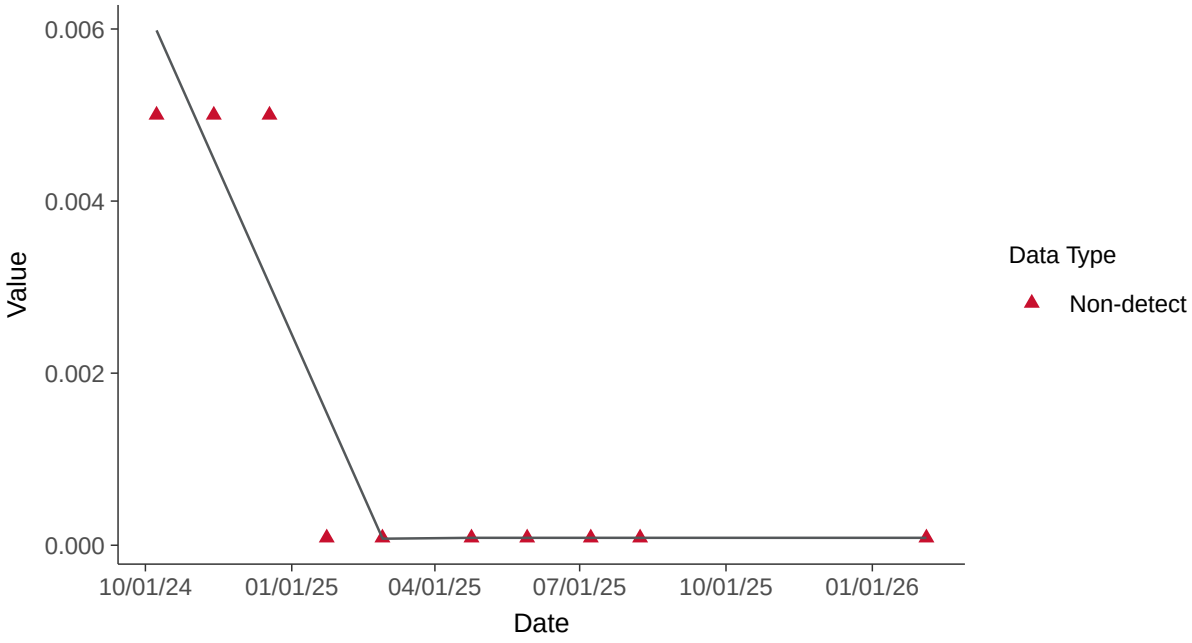
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-18A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Cobalt, MW-18A (mg/l)

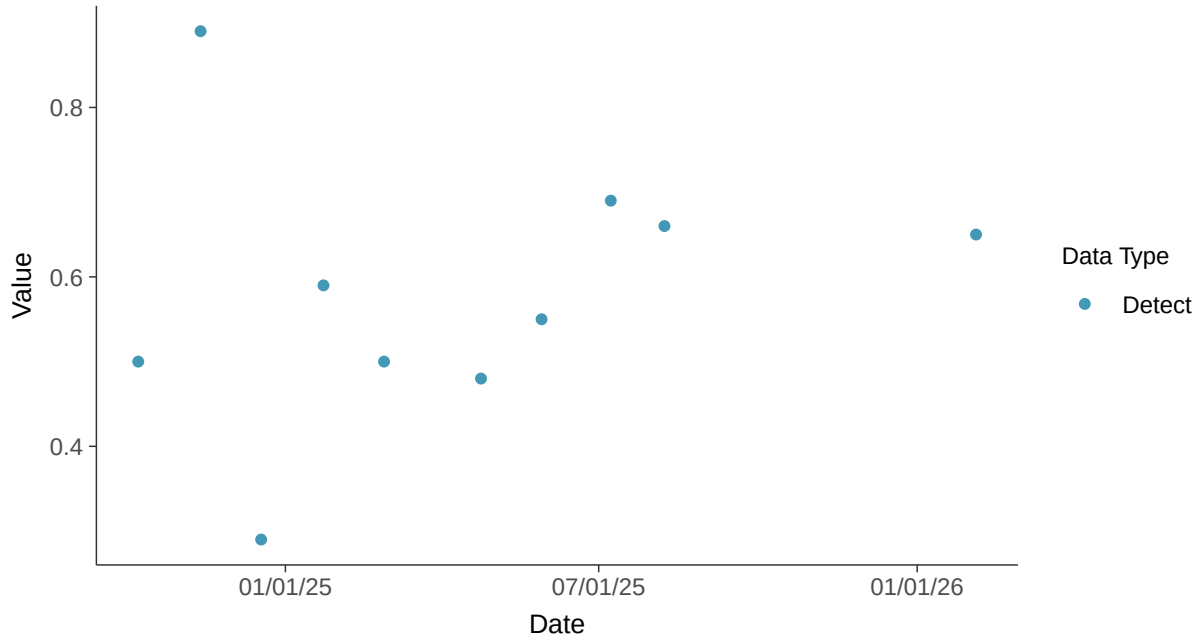


Appendix IV: Fluoride (App IV), MW-18A

ID: 28_3_113

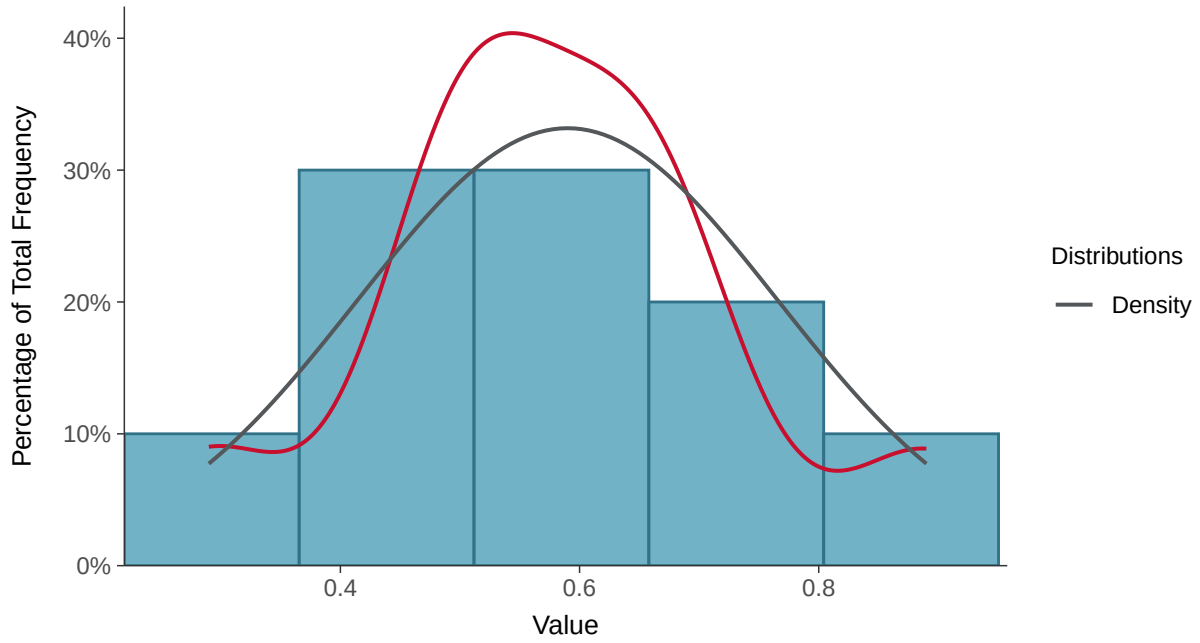
Scatter Plot

Fluoride (App IV), MW-18A (mg/l)



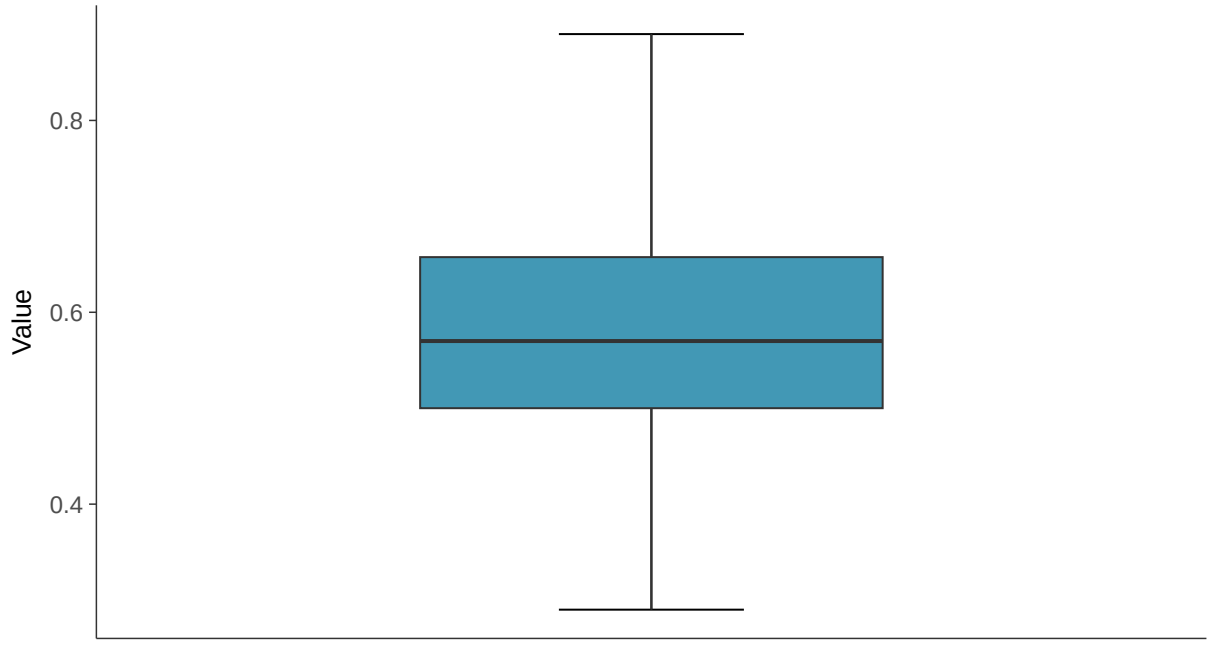
Histogram

Fluoride (App IV), MW-18A (mg/l)



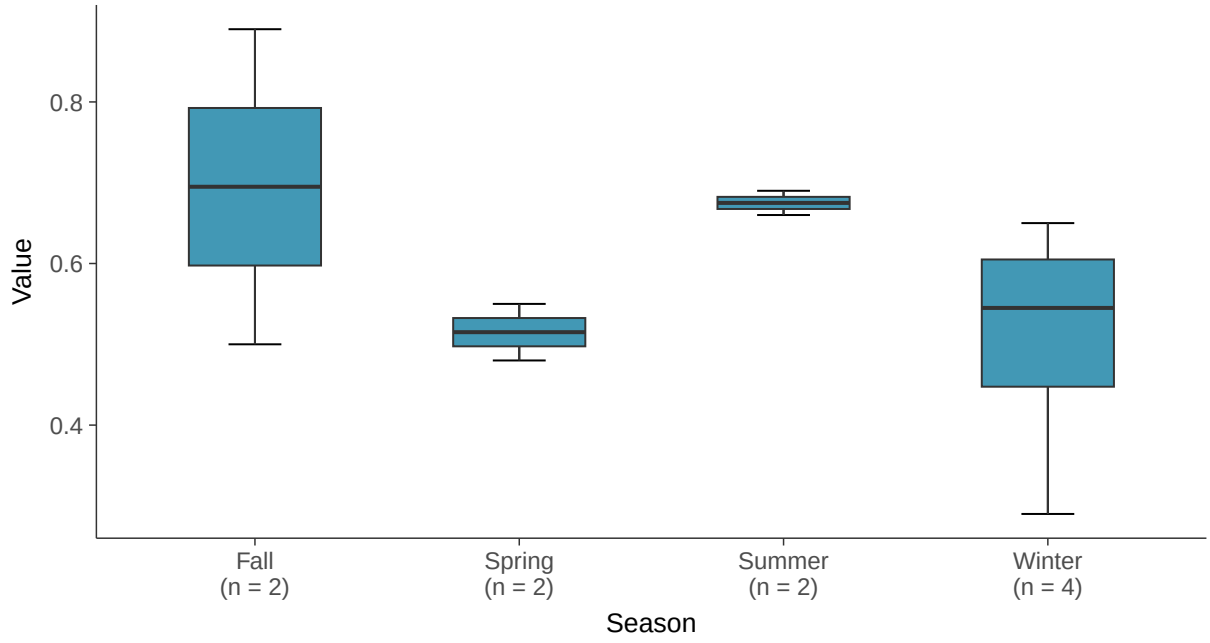
Boxplot

Fluoride (App IV), MW-18A (mg/l)



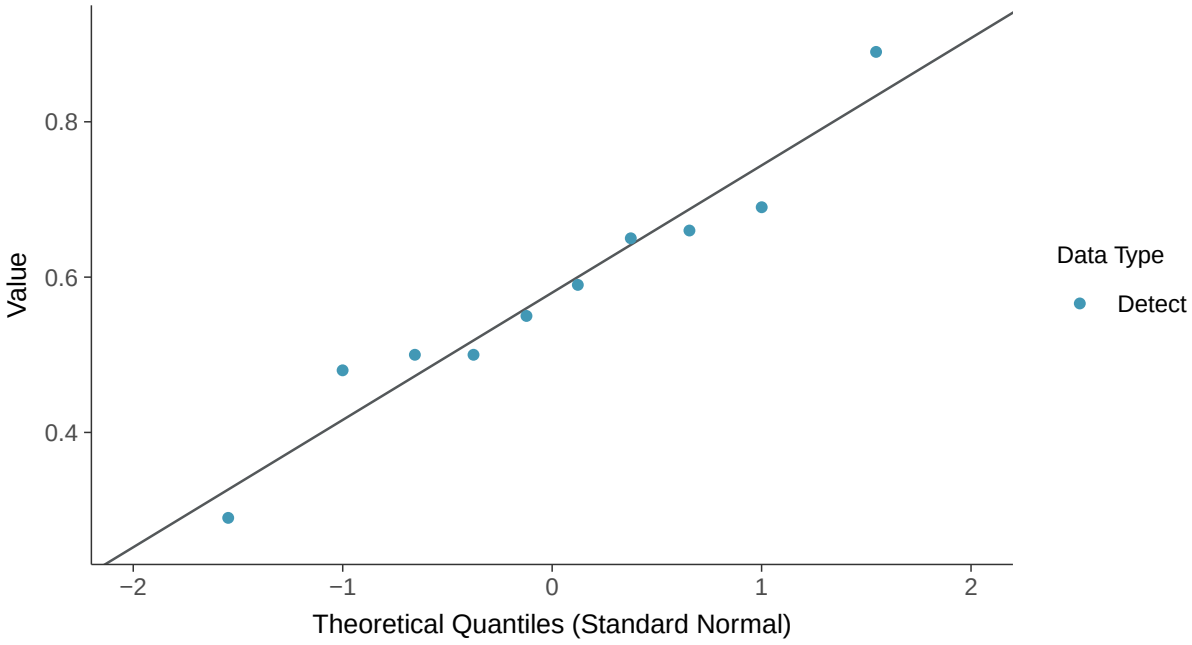
Boxplot by Season

Fluoride (App IV), MW-18A (mg/l)



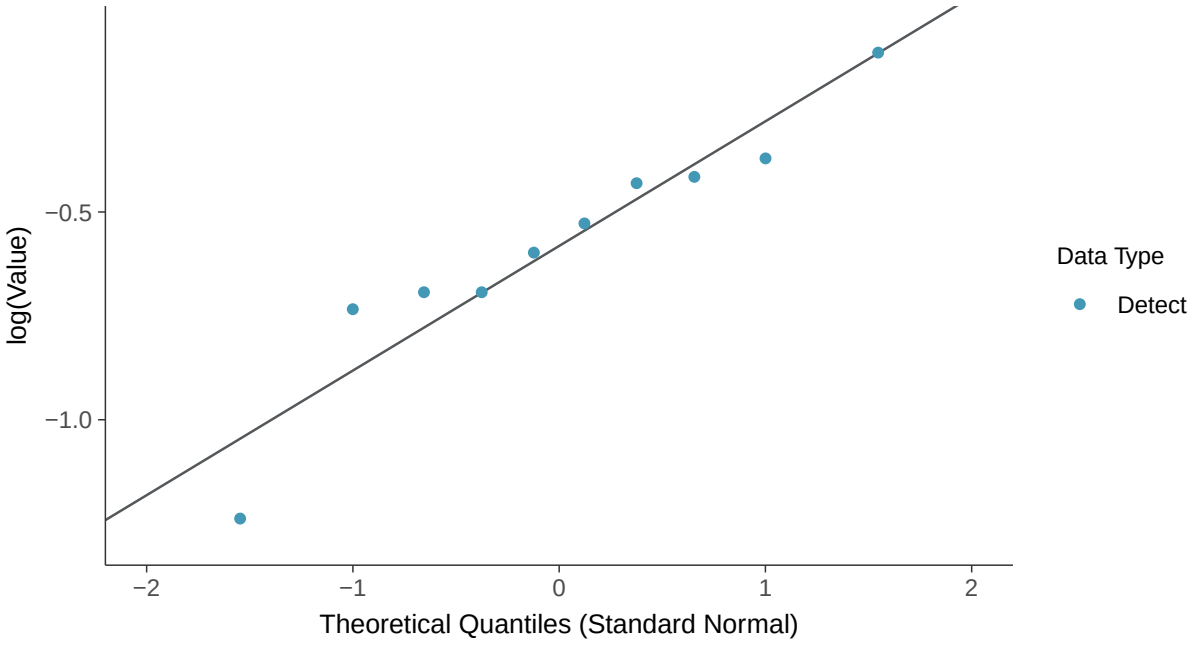
Normal Q-Q plot

Fluoride (App IV), MW-18A (mg/l)



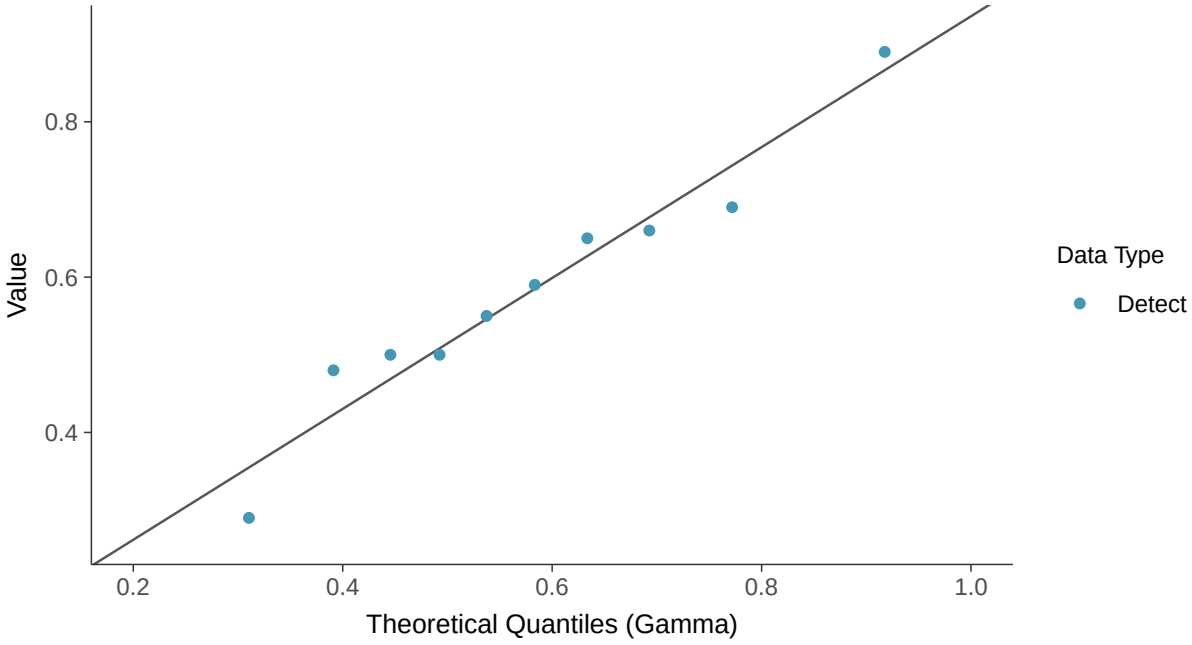
Lognormal Q-Q plot

Fluoride (App IV), MW-18A (mg/l)



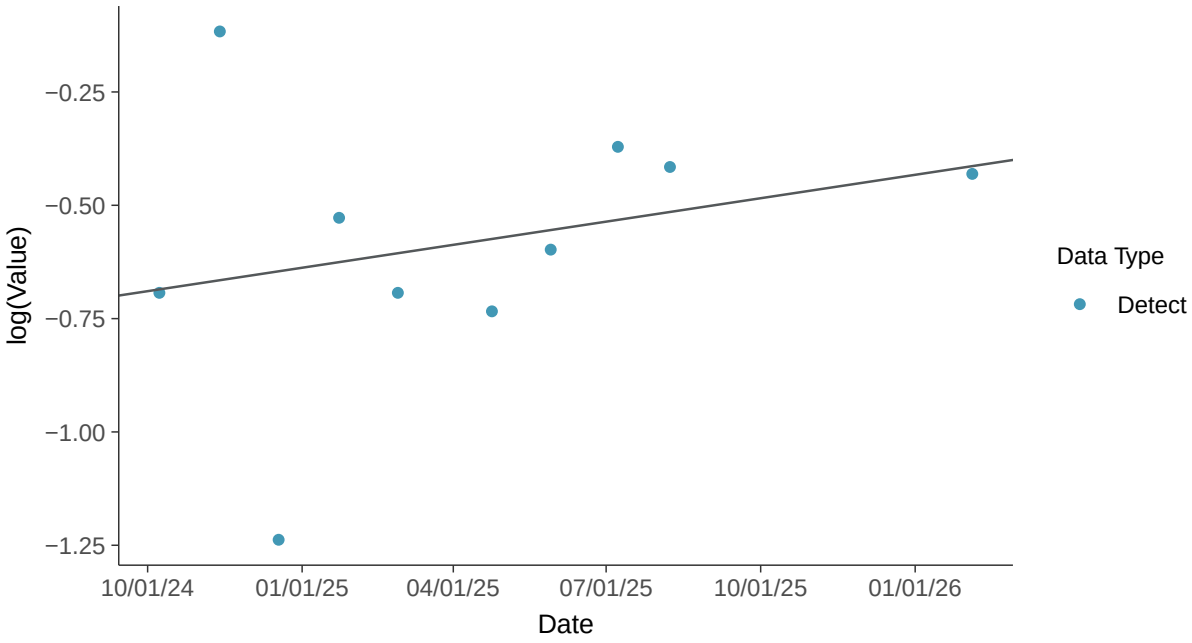
Gamma Q-Q plot

Fluoride (App IV), MW-18A (mg/l)



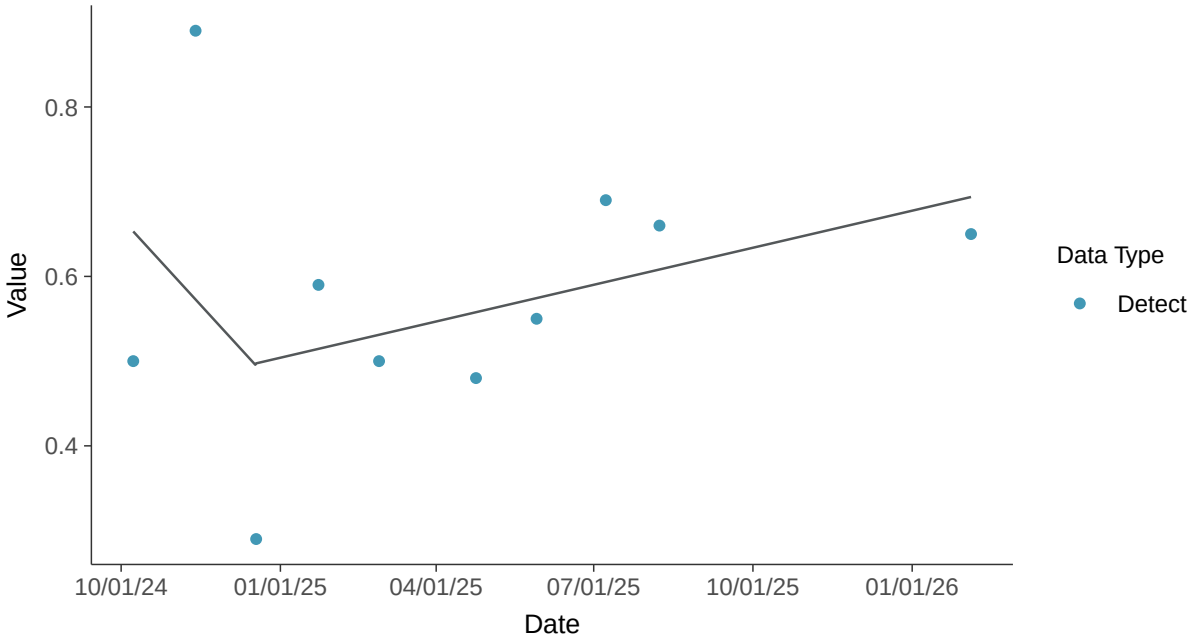
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-18A (mg/l)



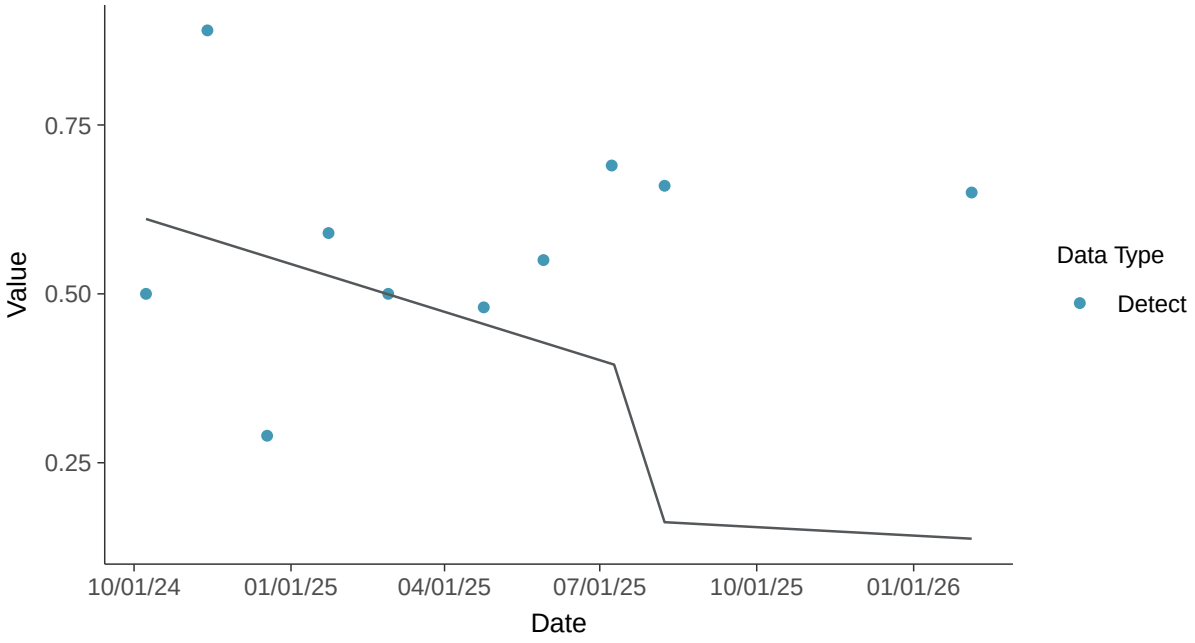
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-18A (mg/l)



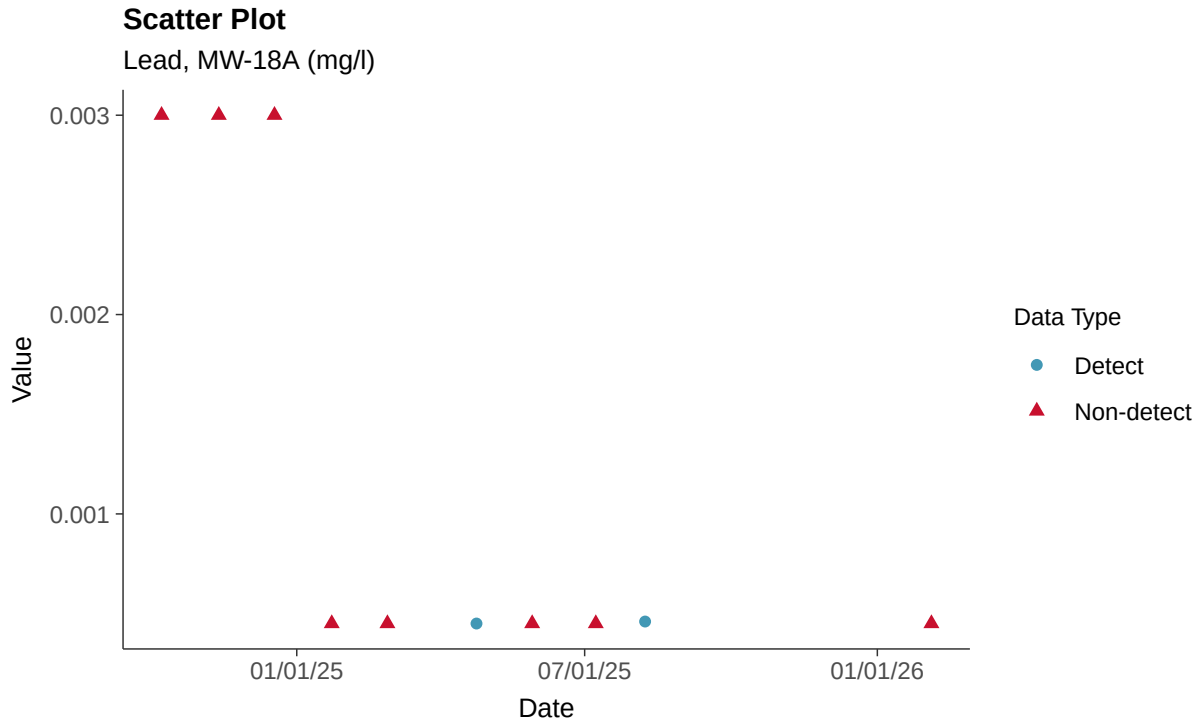
Trend Regression: Piecewise Linear-Linear-Linear

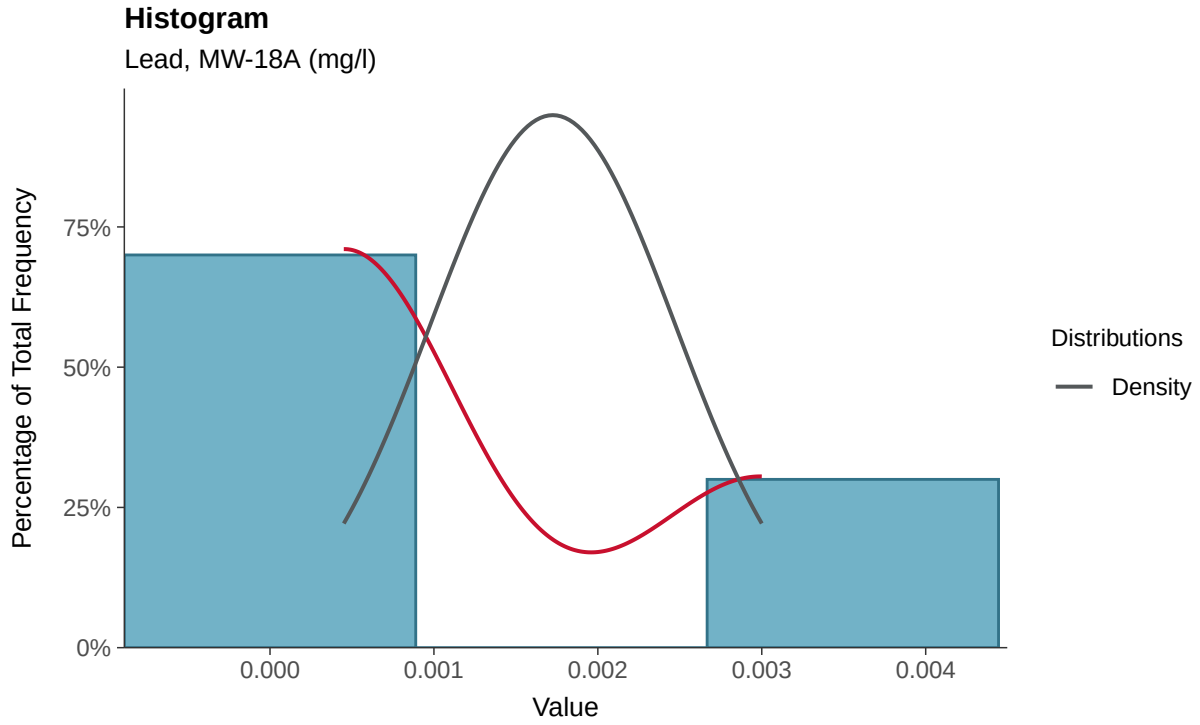
Fluoride (App IV), MW-18A (mg/l)



Appendix IV: Lead, MW-18A

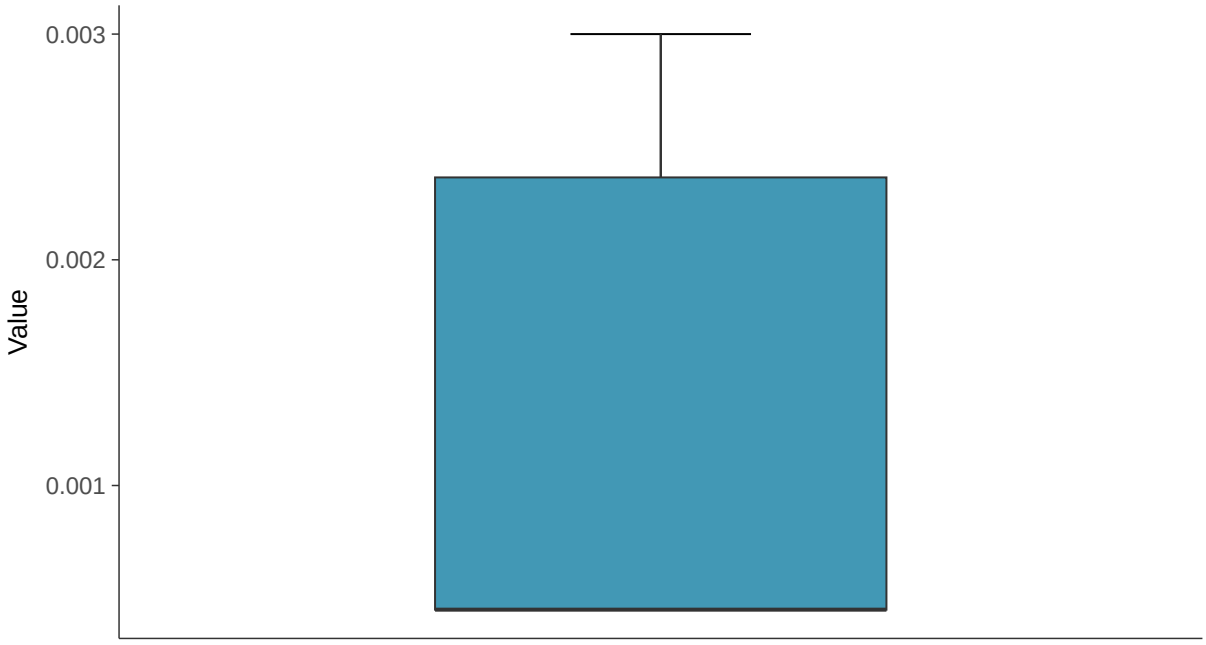
ID: 28_3_115





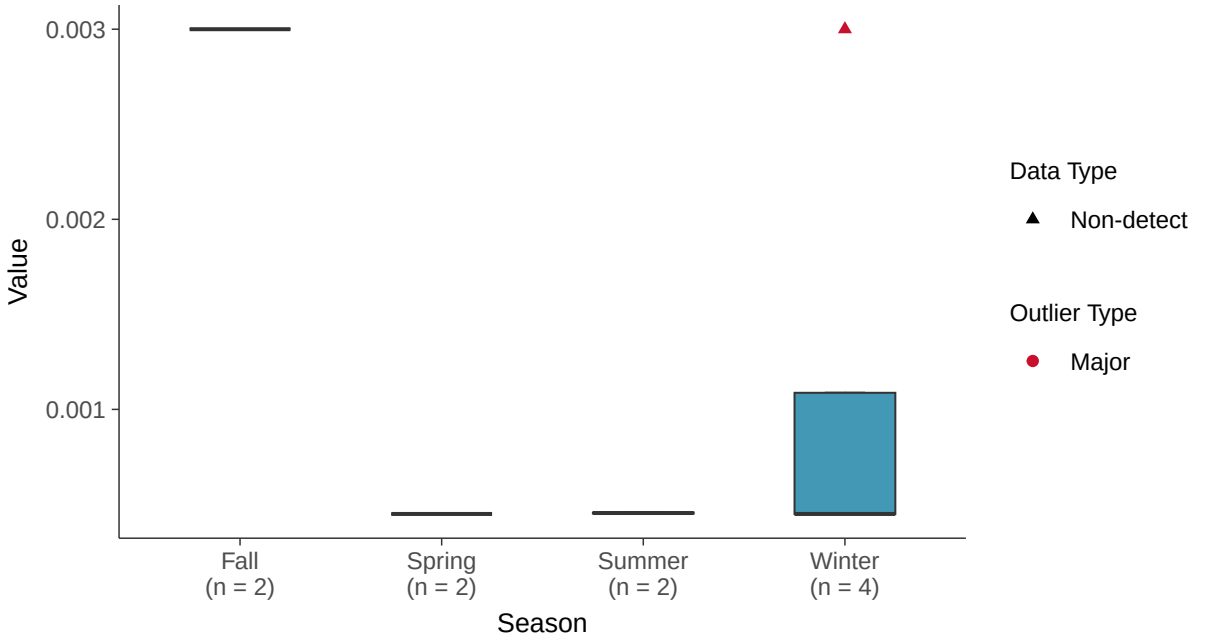
Boxplot

Lead, MW-18A (mg/l)



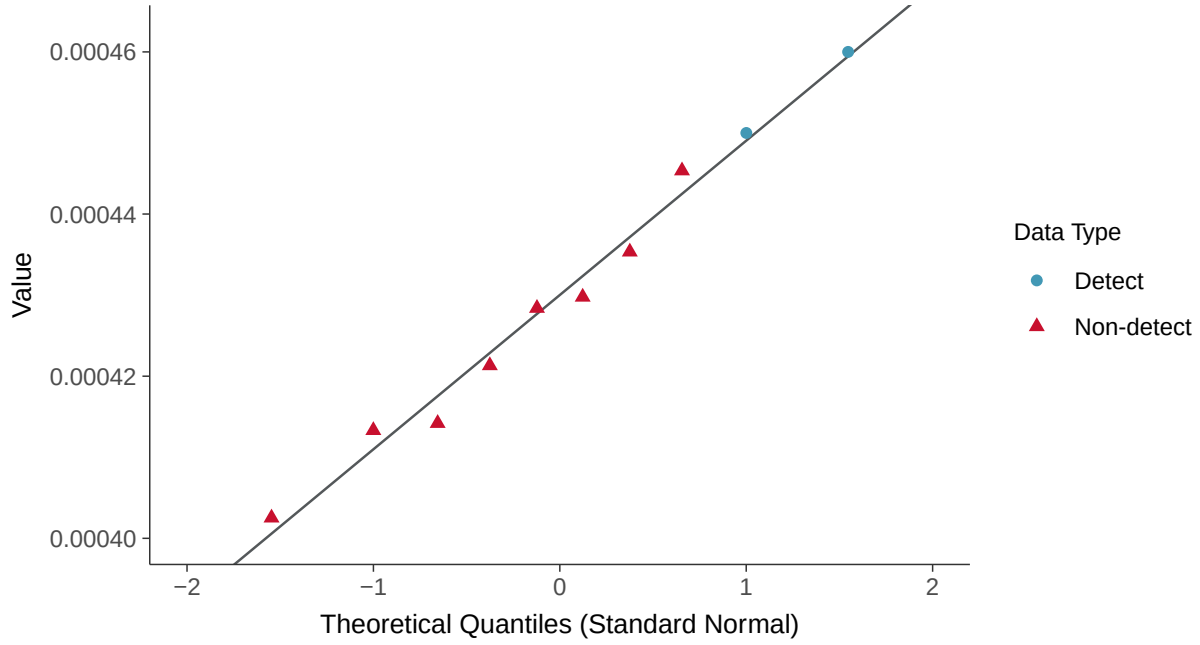
Boxplot by Season

Lead, MW-18A (mg/l)



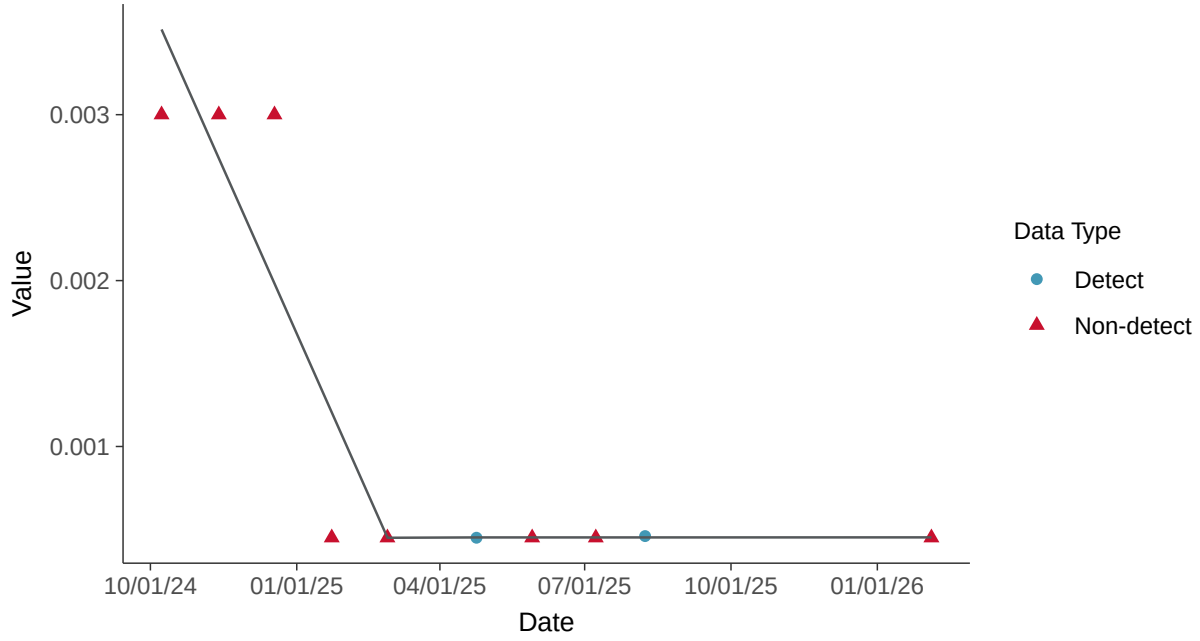
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-18A (mg/l)



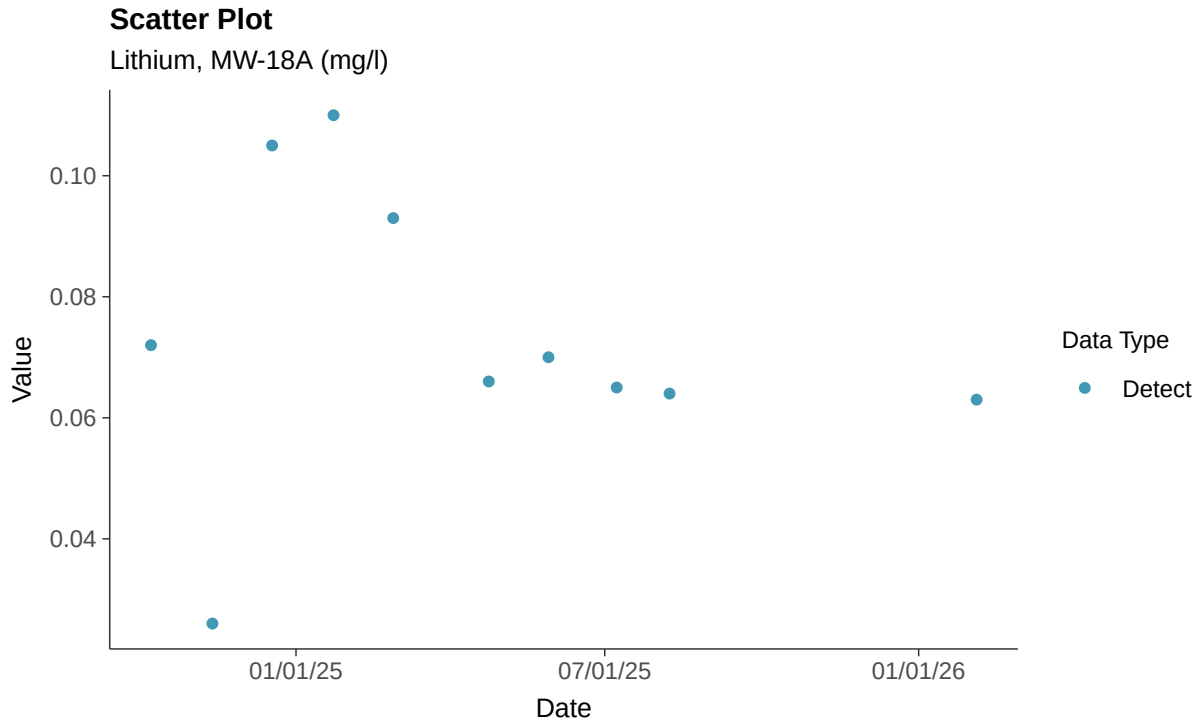
Trend Regression: Piecewise Linear-Linear

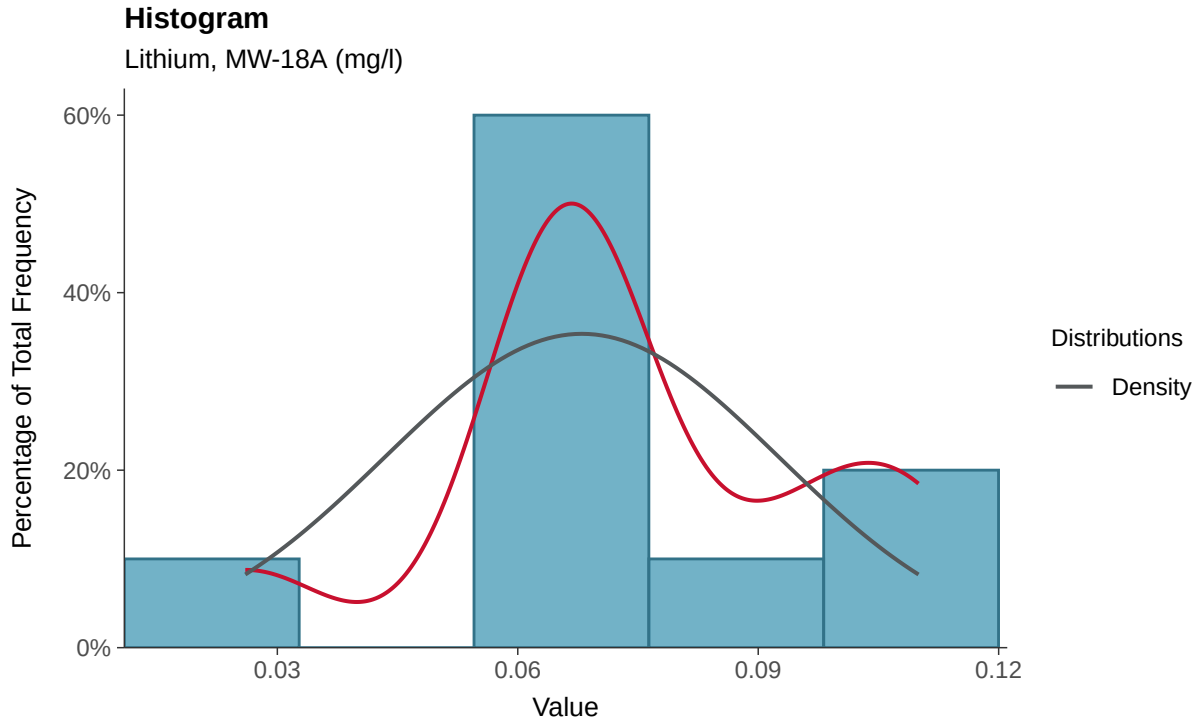
Lead, MW-18A (mg/l)



Appendix IV: Lithium, MW-18A

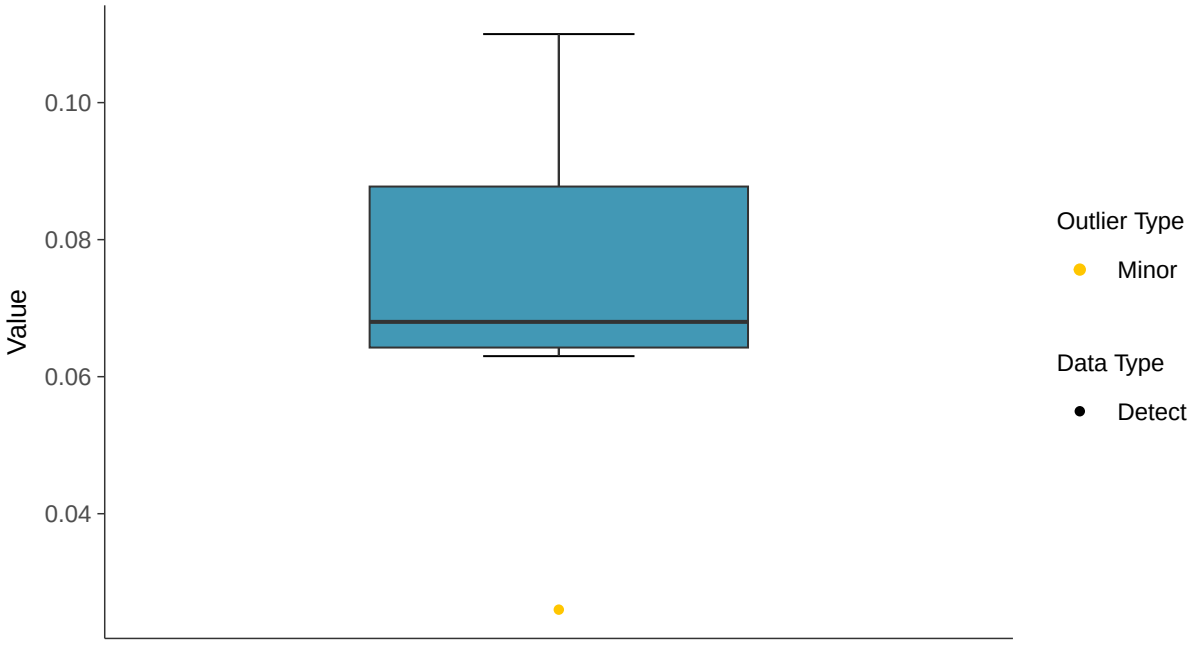
ID: 28_3_116





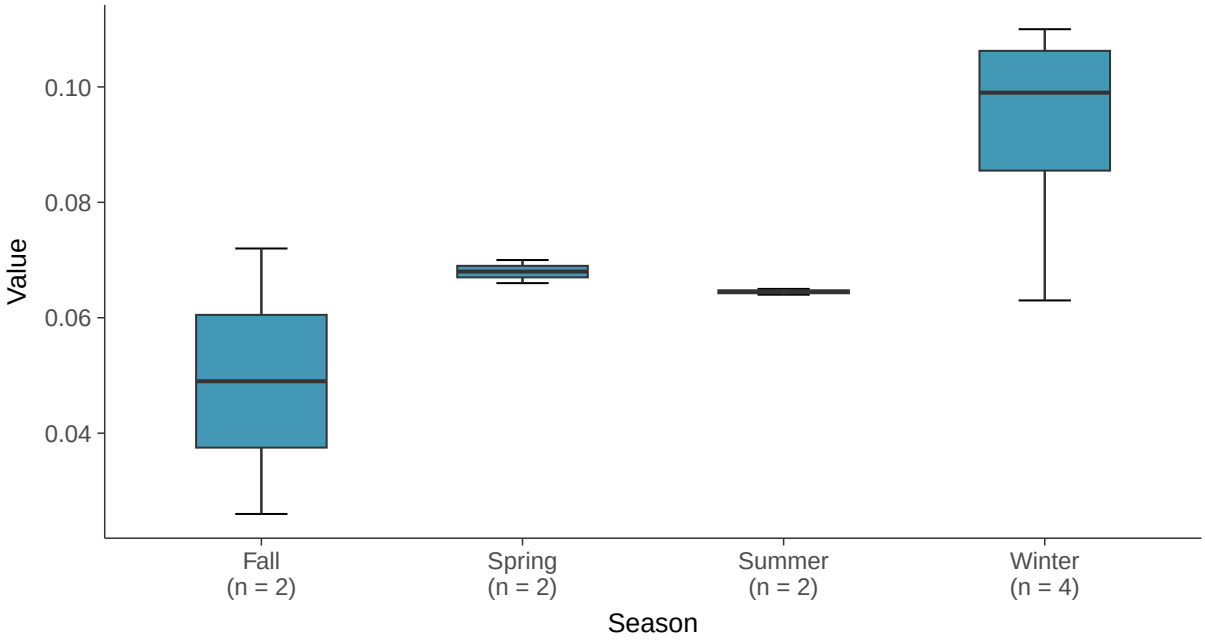
Boxplot

Lithium, MW-18A (mg/l)



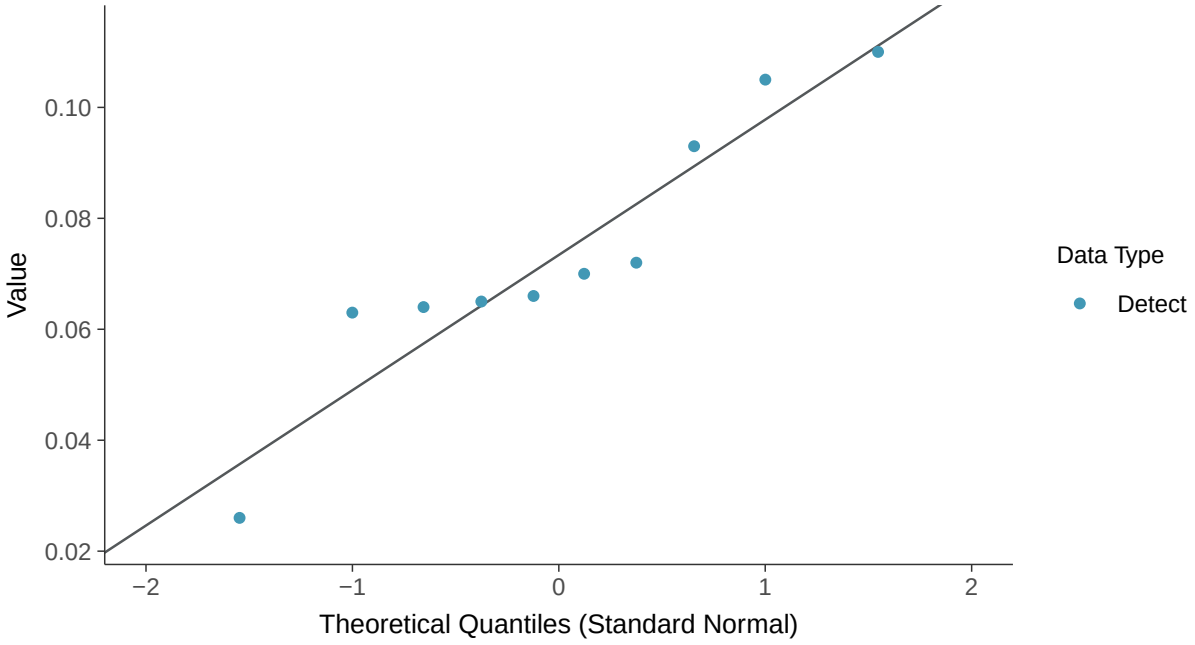
Boxplot by Season

Lithium, MW-18A (mg/l)



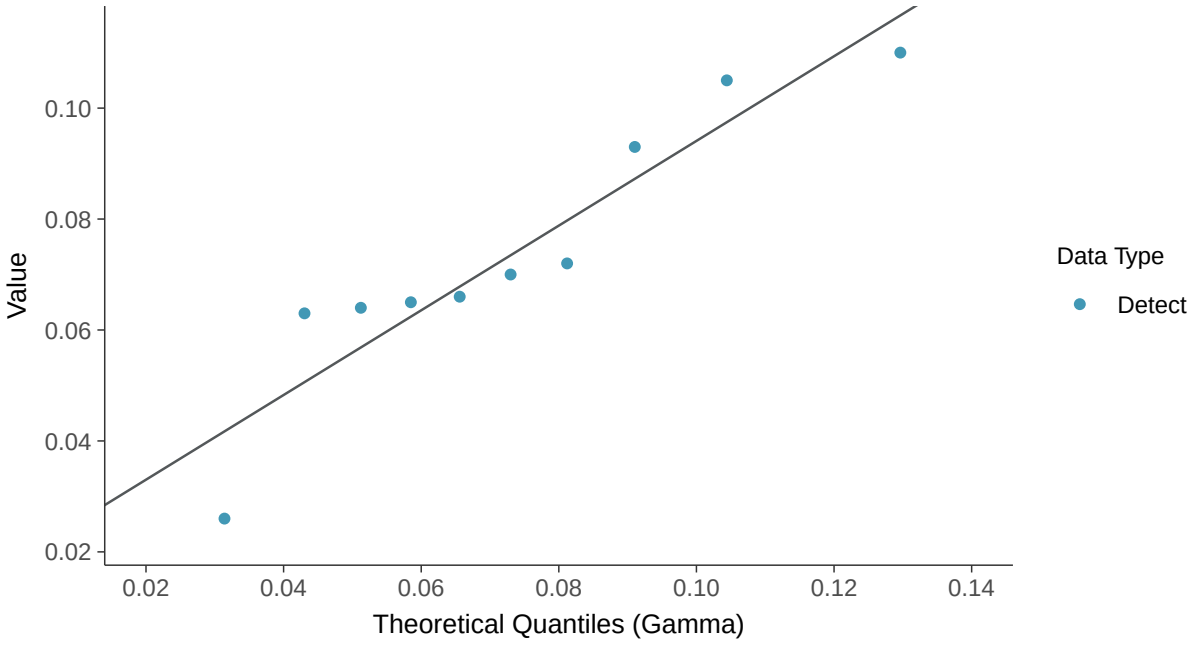
Normal Q-Q plot

Lithium, MW-18A (mg/l)



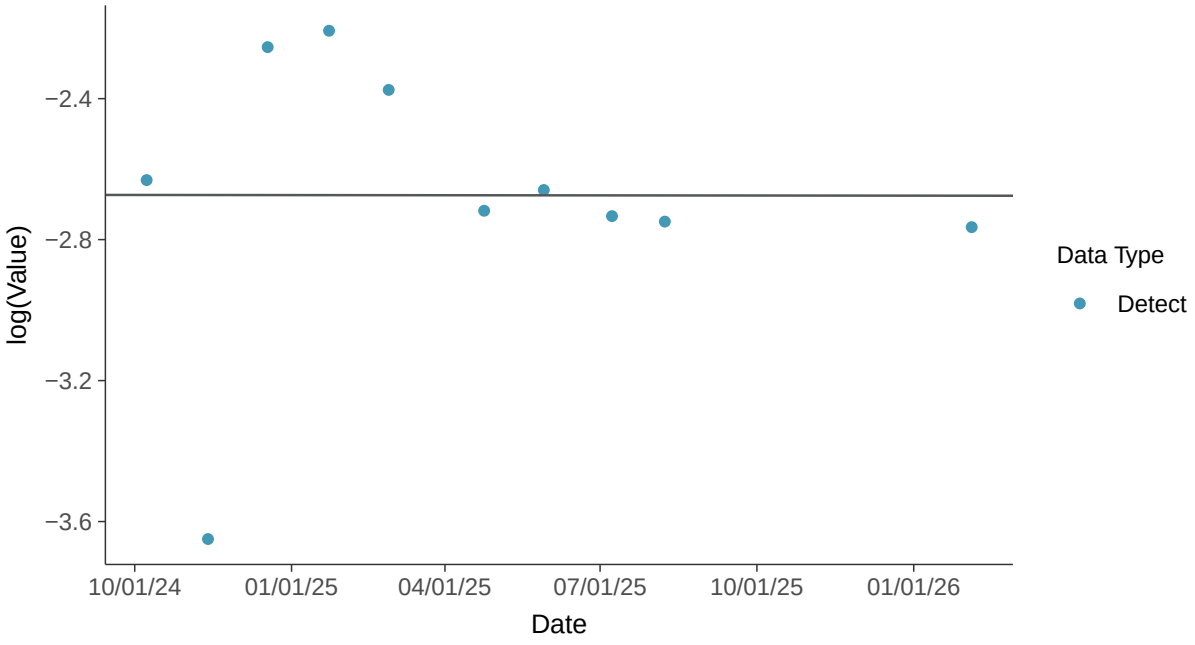
Gamma Q-Q plot

Lithium, MW-18A (mg/l)



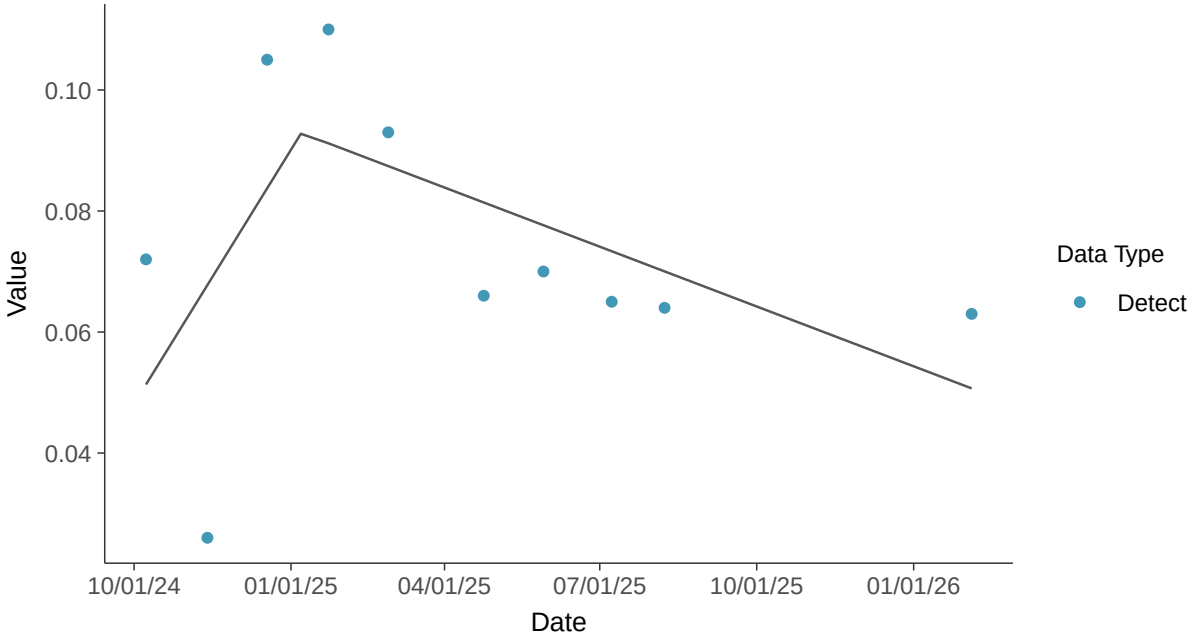
Trend Regression: Lognormal MLE

Lithium, MW-18A (mg/l)



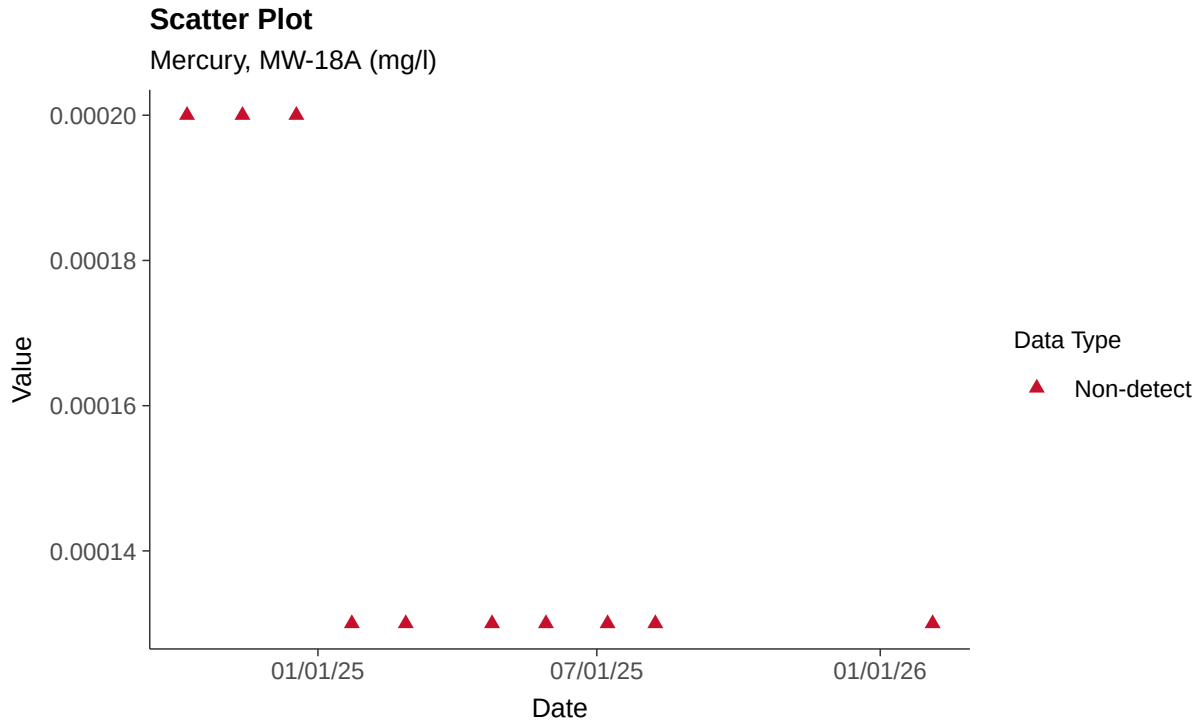
Trend Regression: Piecewise Linear-Linear

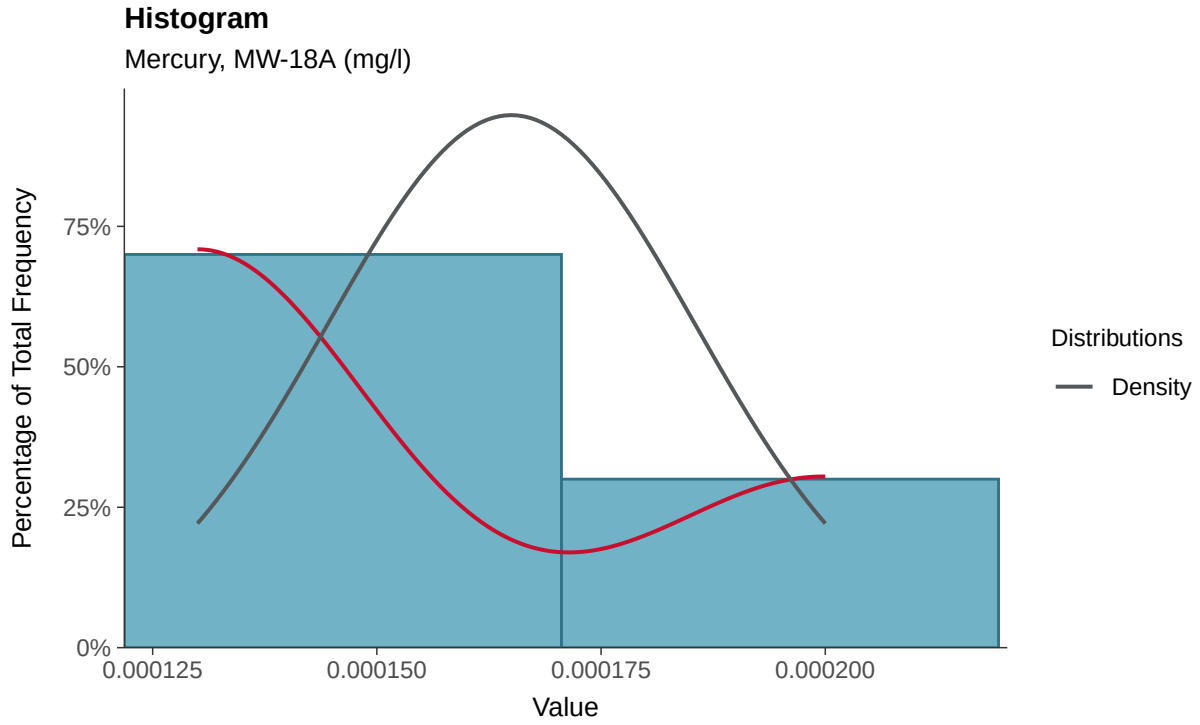
Lithium, MW-18A (mg/l)



Appendix IV: Mercury, MW-18A

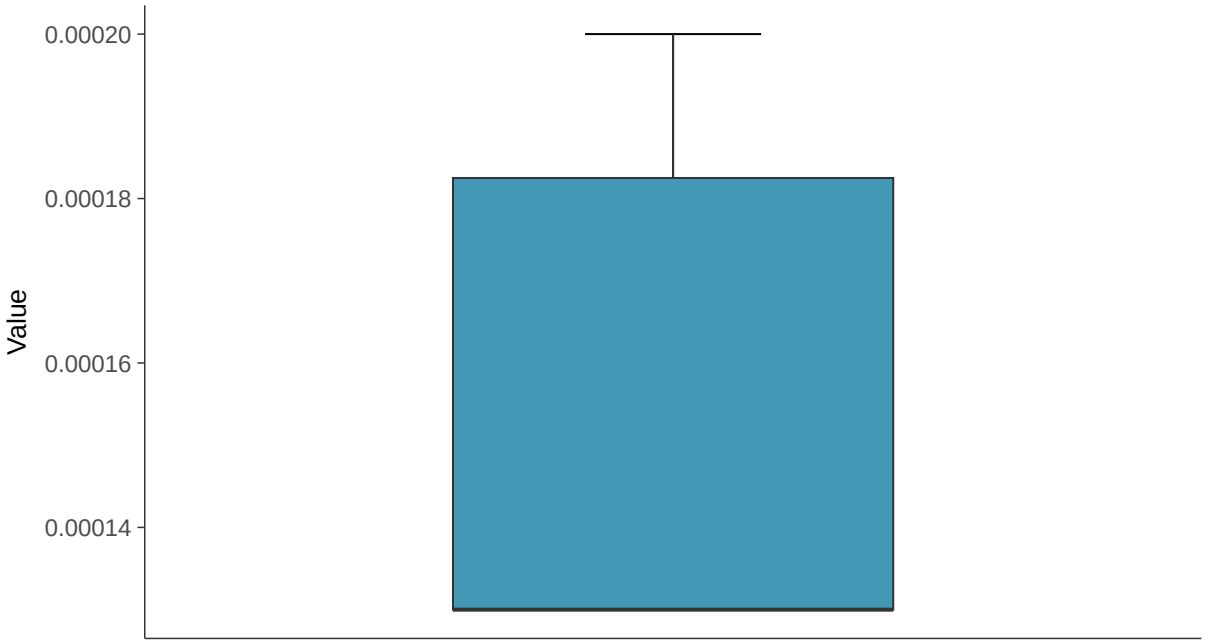
ID: 28_3_117





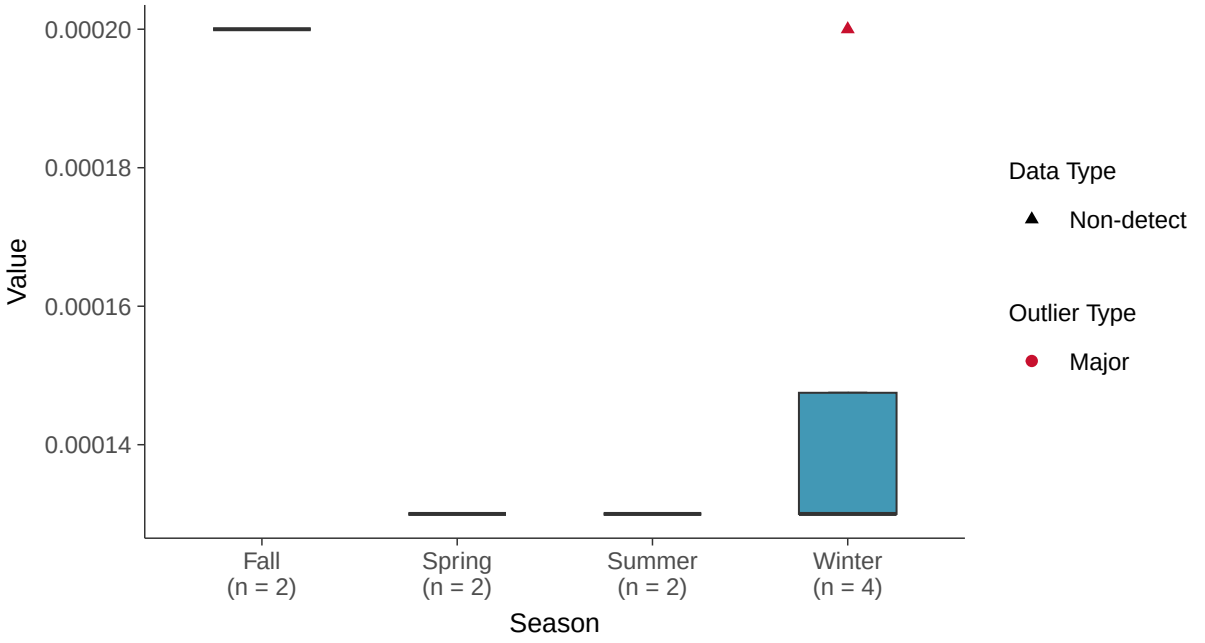
Boxplot

Mercury, MW-18A (mg/l)



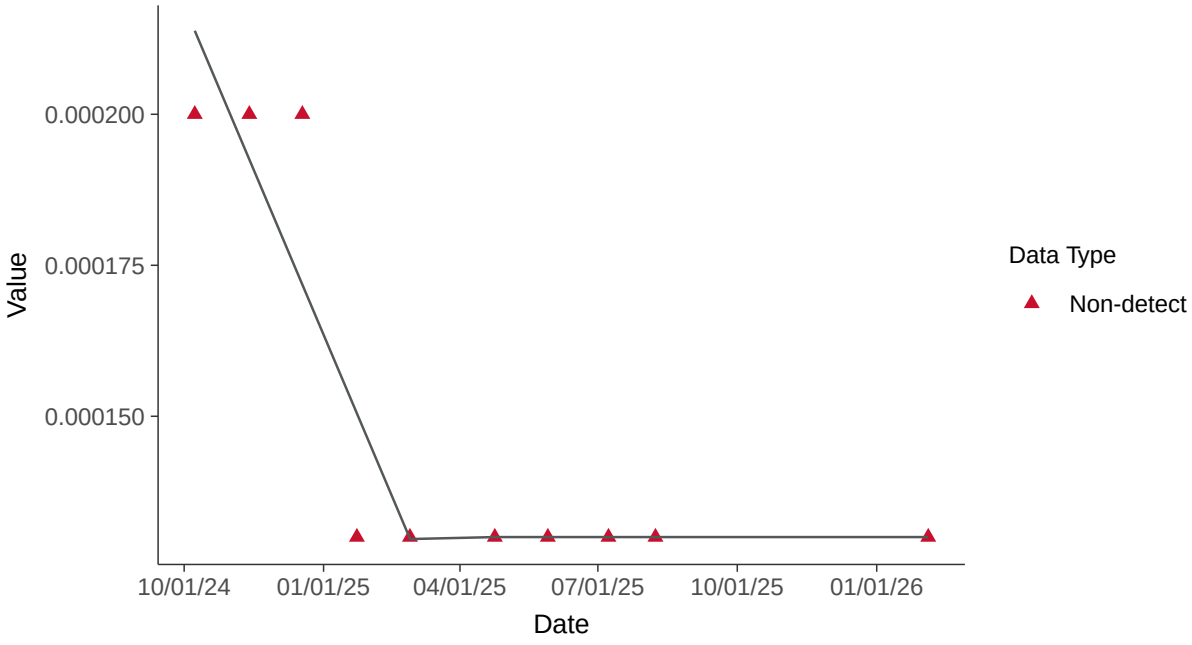
Boxplot by Season

Mercury, MW-18A (mg/l)



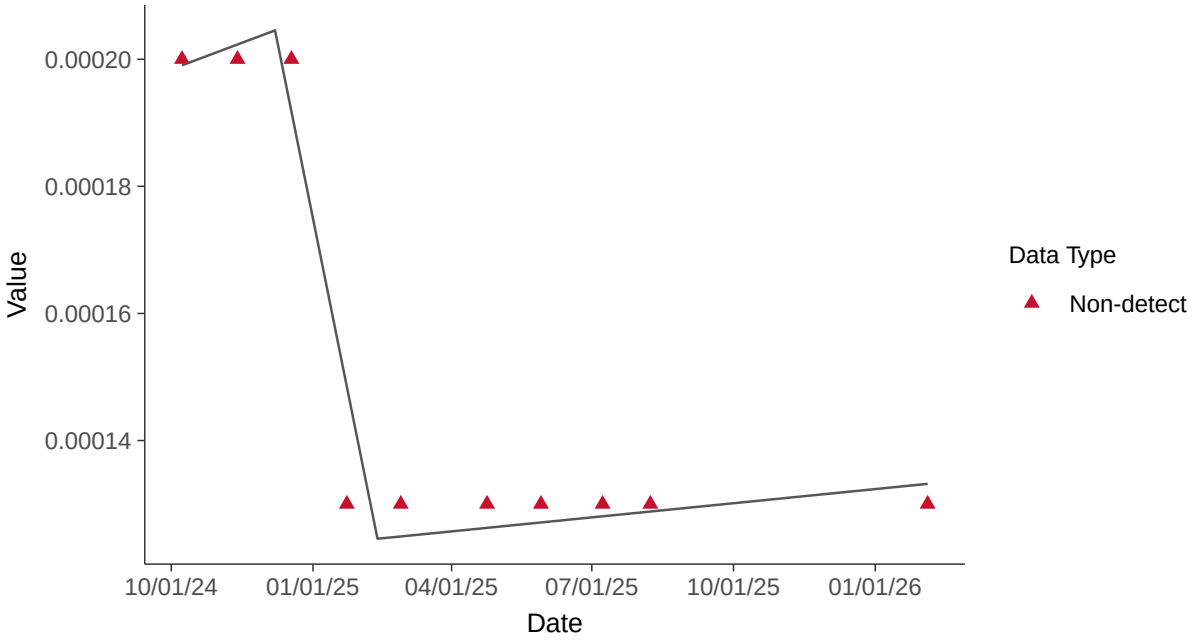
Trend Regression: Piecewise Linear-Linear

Mercury, MW-18A (mg/l)



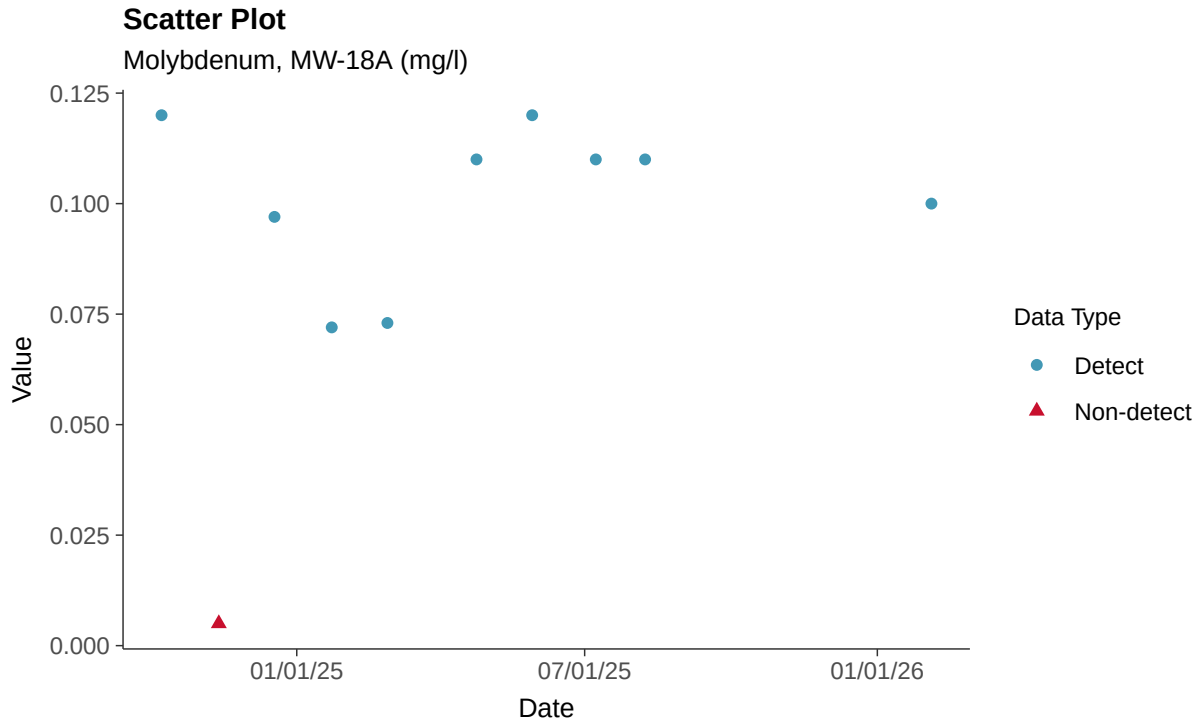
Trend Regression: Piecewise Linear-Linear-Linear

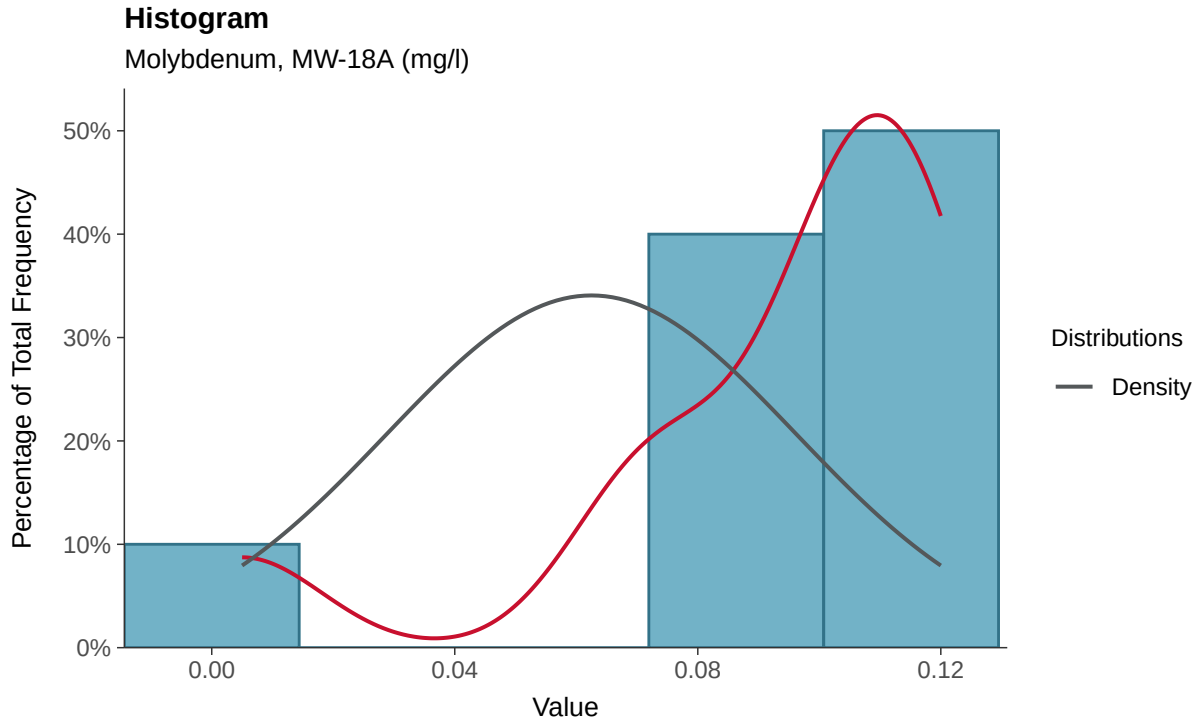
Mercury, MW-18A (mg/l)



Appendix IV: Molybdenum, MW-18A

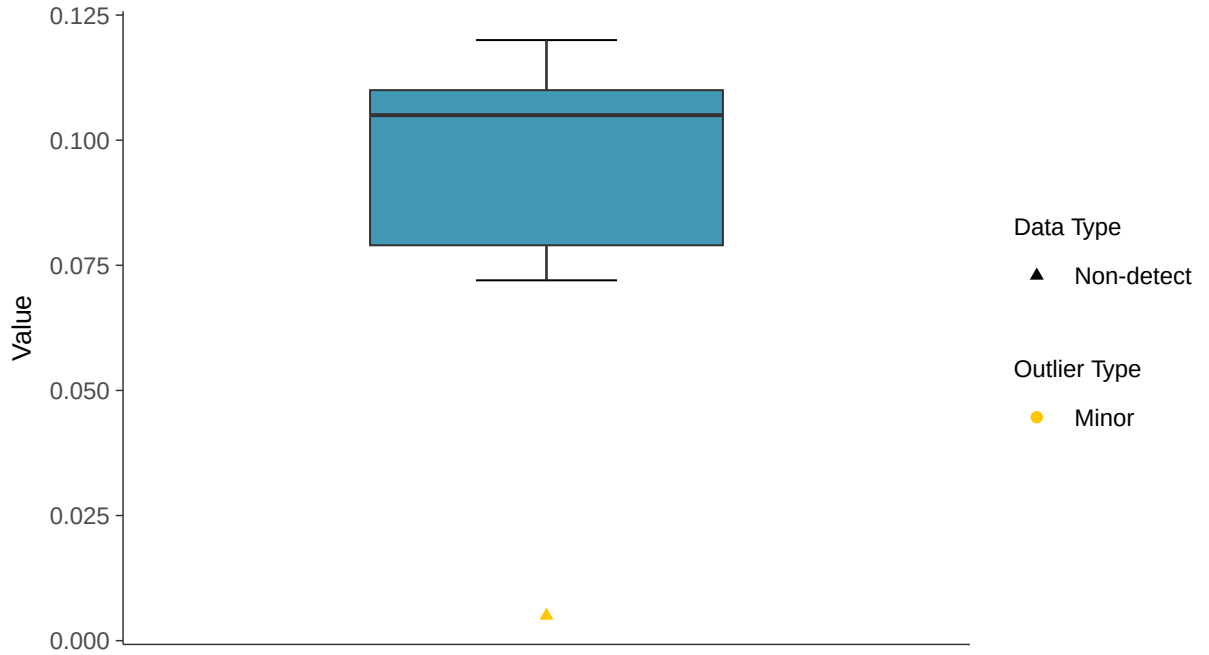
ID: 28_3_118





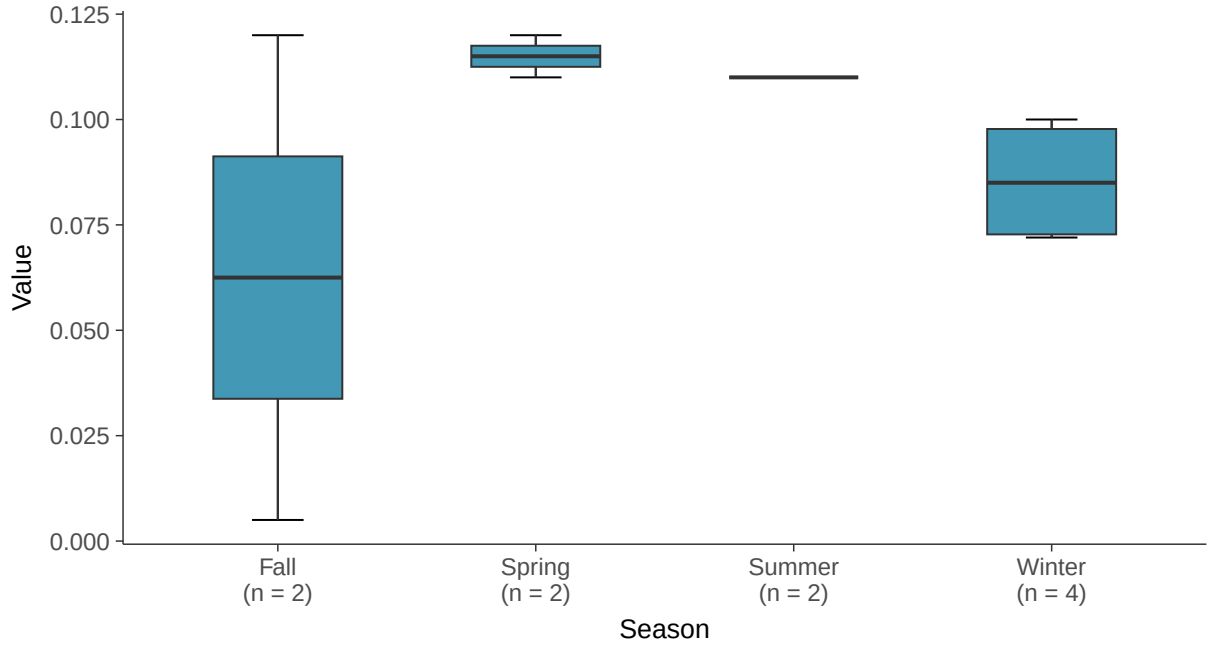
Boxplot

Molybdenum, MW-18A (mg/l)



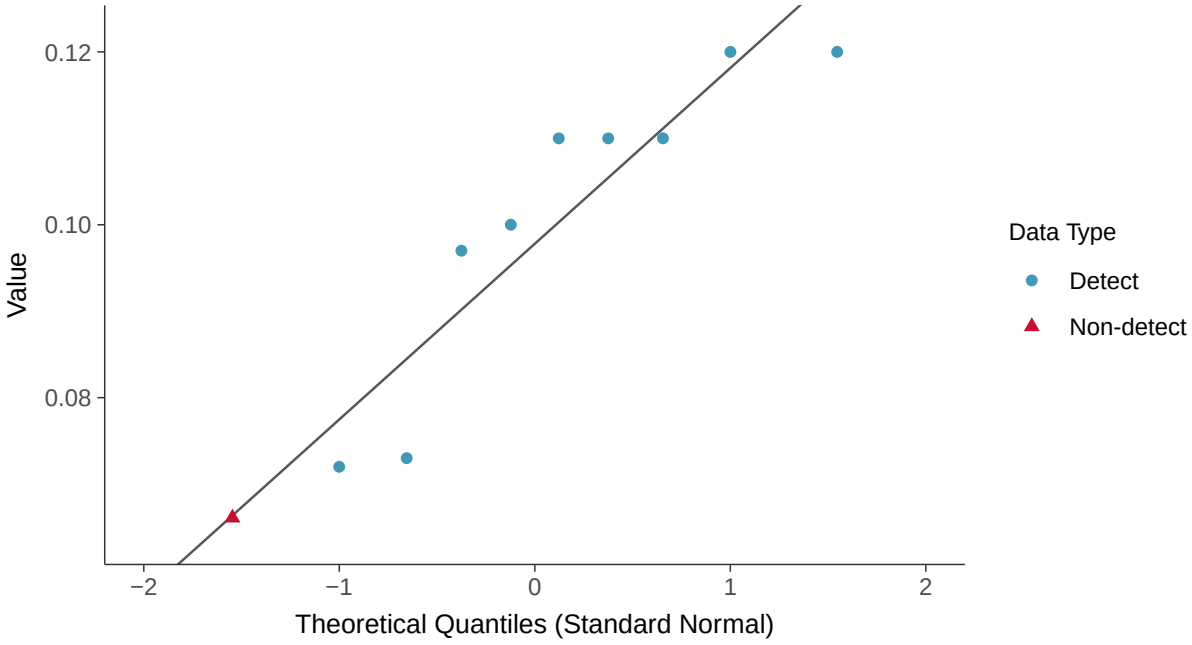
Boxplot by Season

Molybdenum, MW-18A (mg/l)



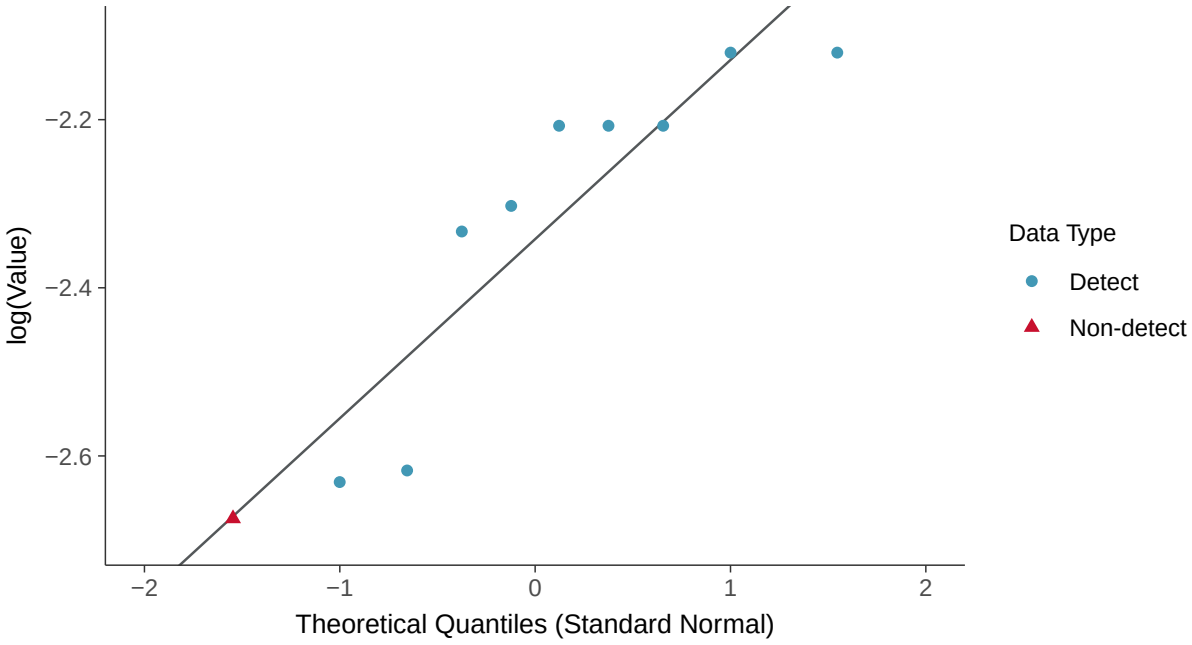
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-18A (mg/l)



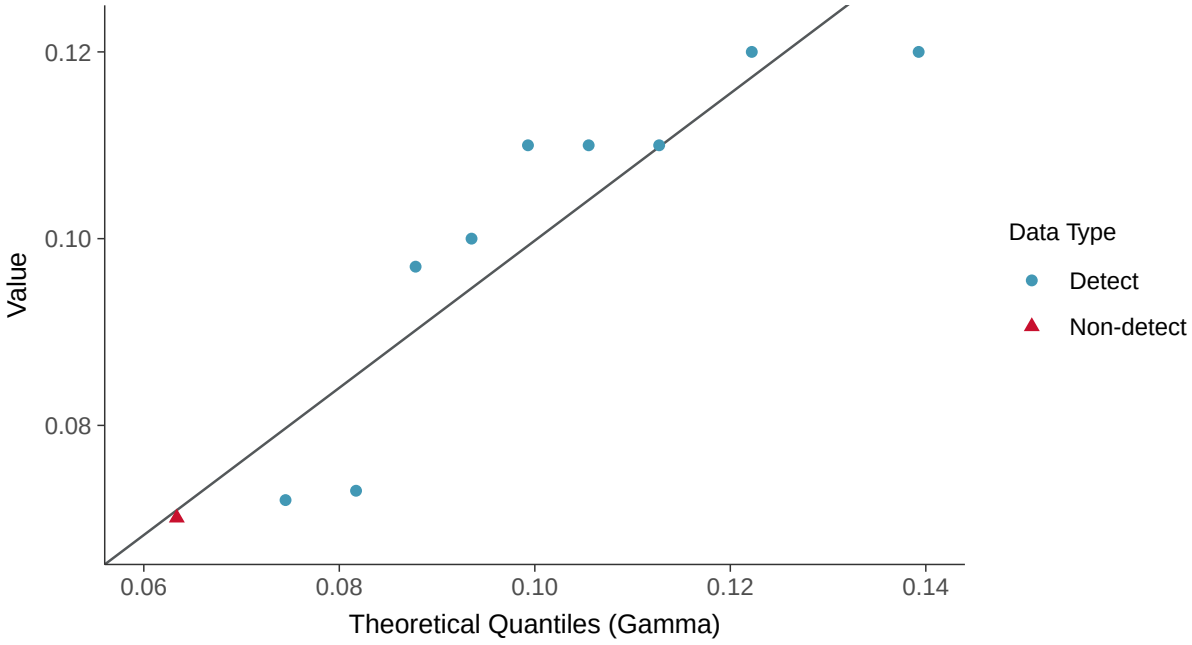
Lognormal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-18A (mg/l)



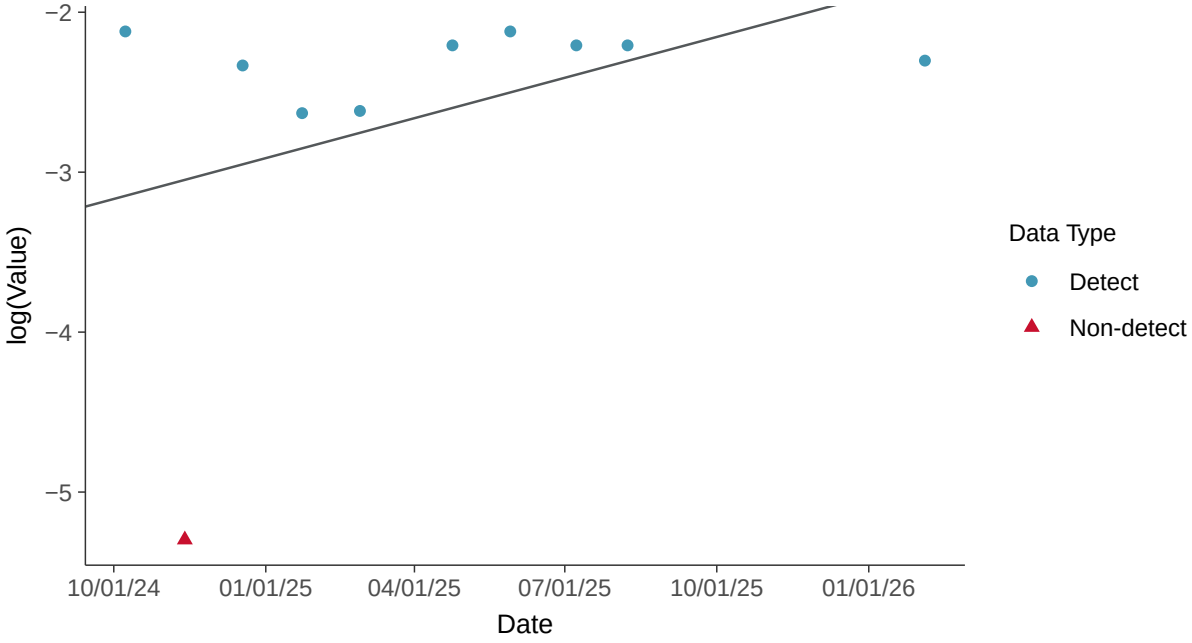
Gamma Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-18A (mg/l)



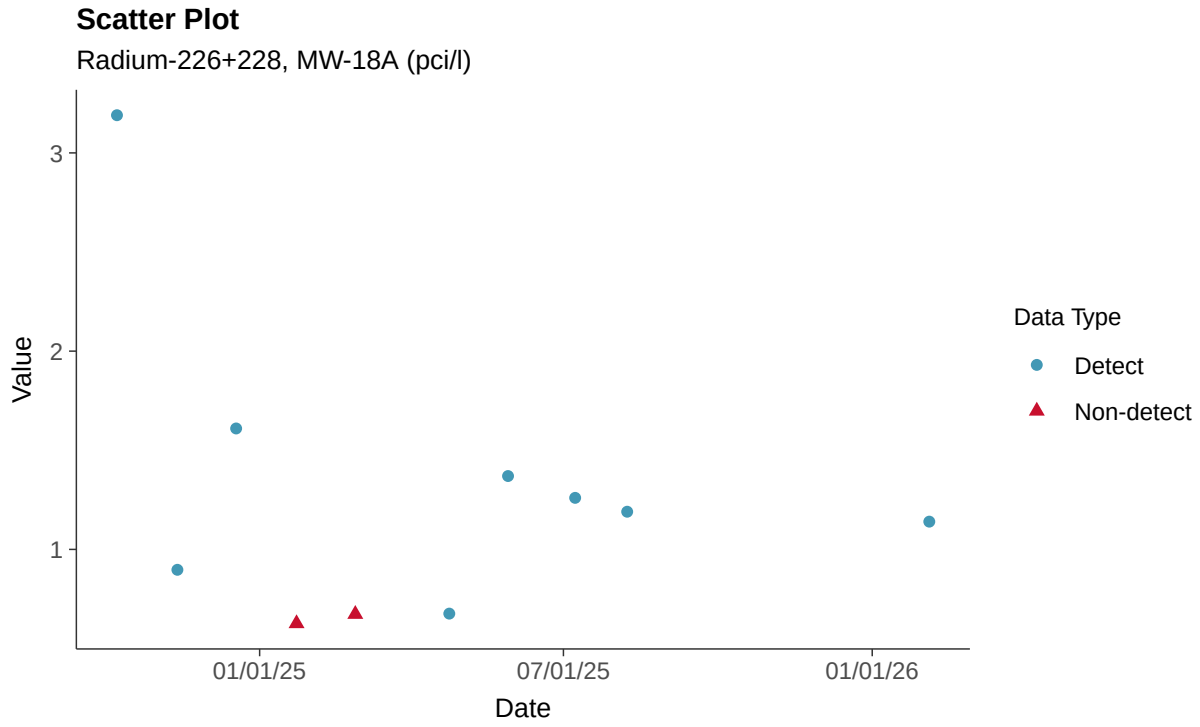
Trend Regression: Lognormal MLE

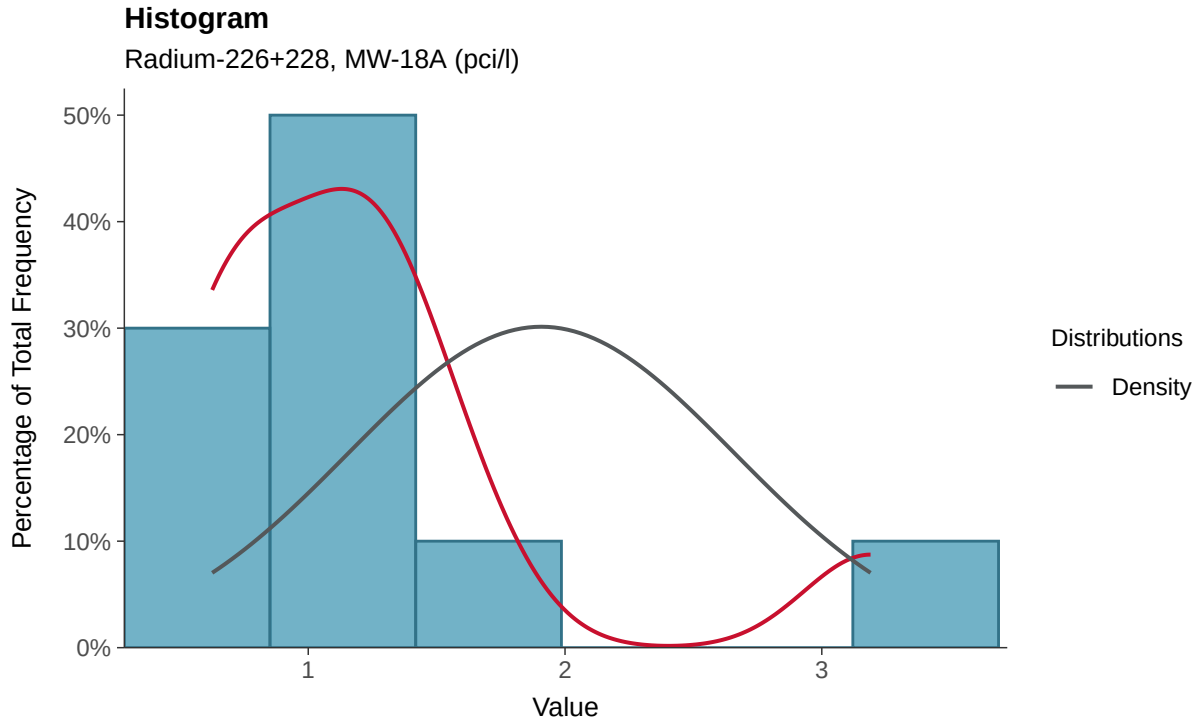
Molybdenum, MW-18A (mg/l)



Appendix IV: Radium-226+228, MW-18A

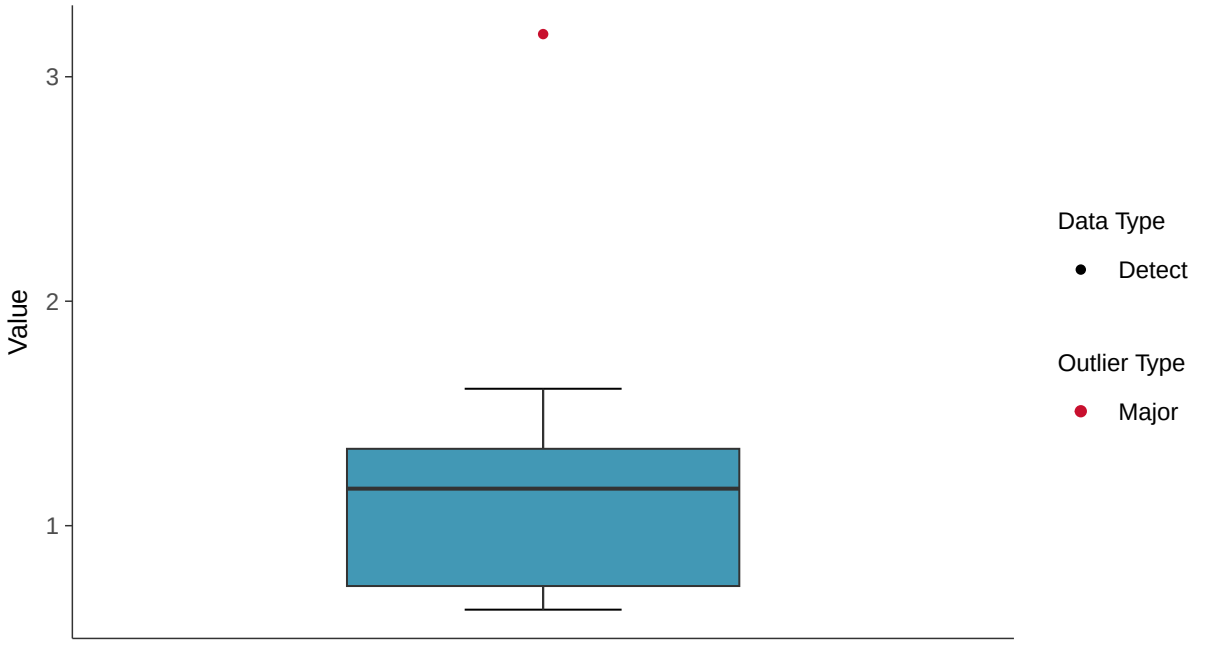
ID: 28_3_121





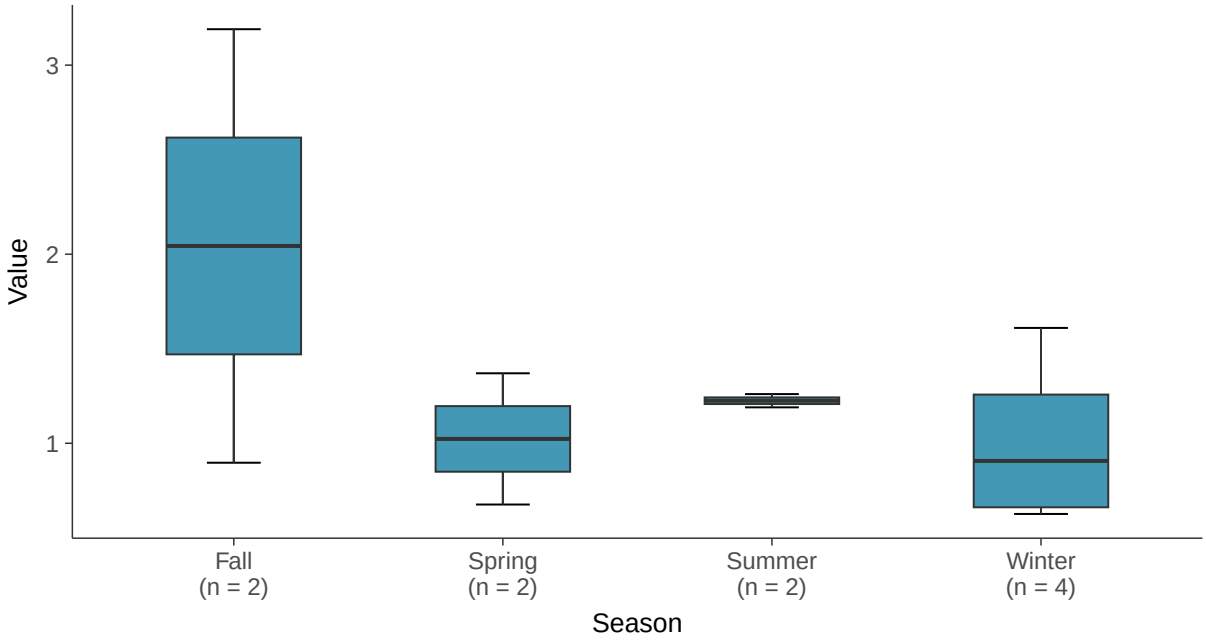
Boxplot

Radium-226+228, MW-18A (pci/l)



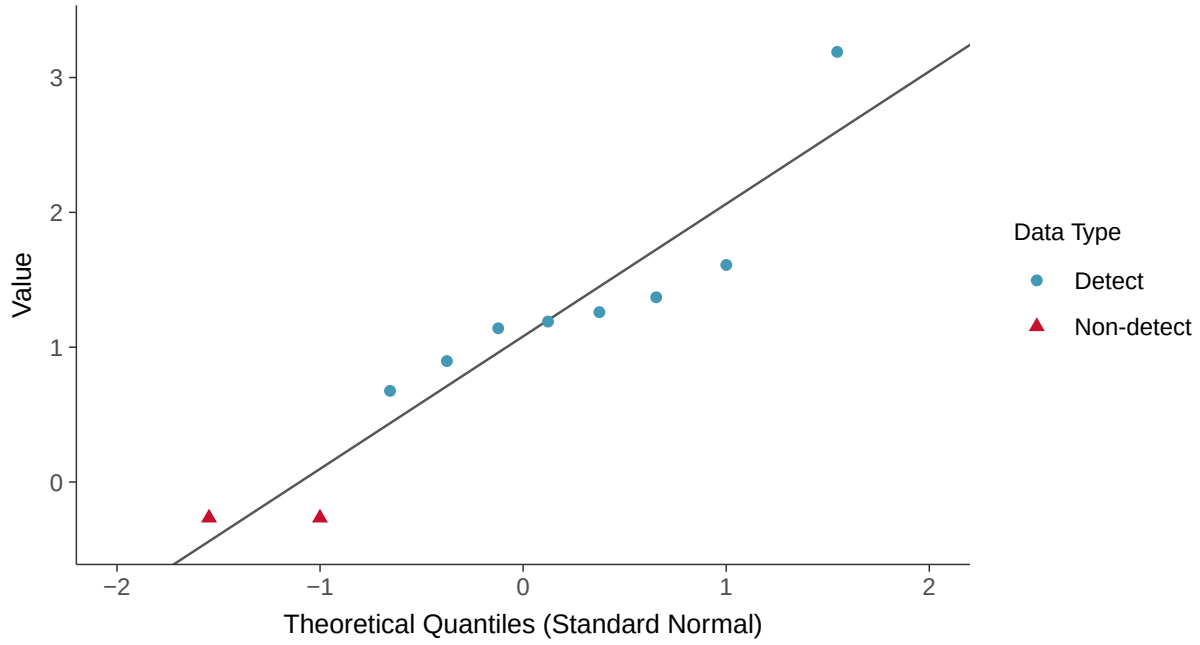
Boxplot by Season

Radium-226+228, MW-18A (pci/l)



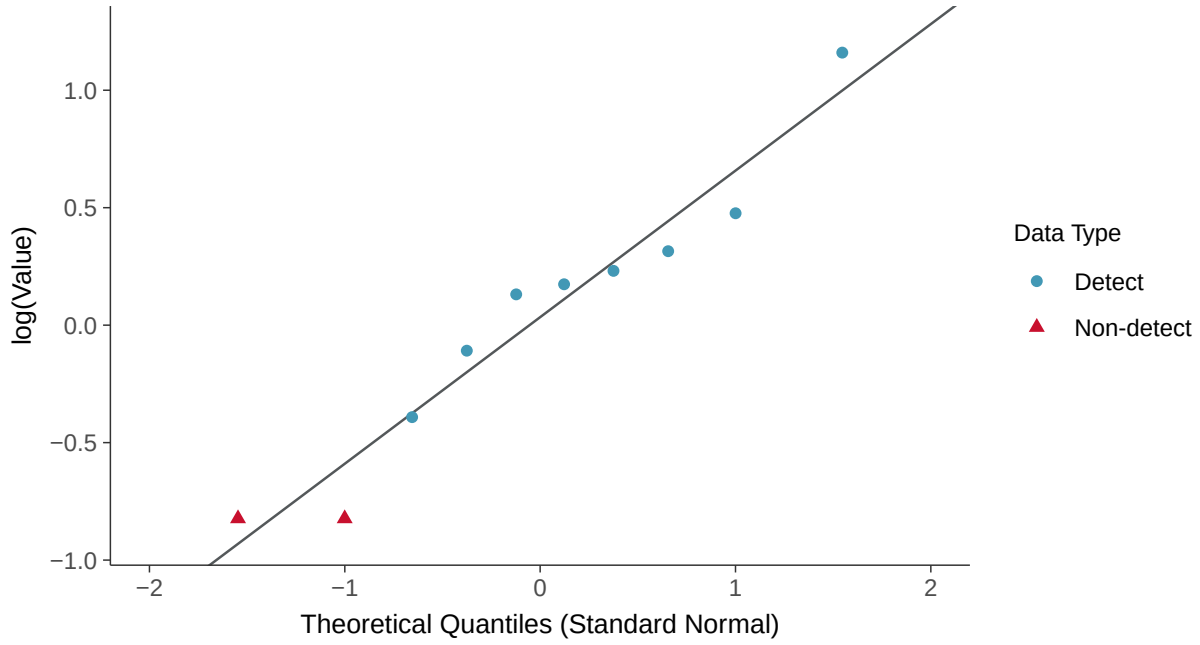
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-18A (pci/l)



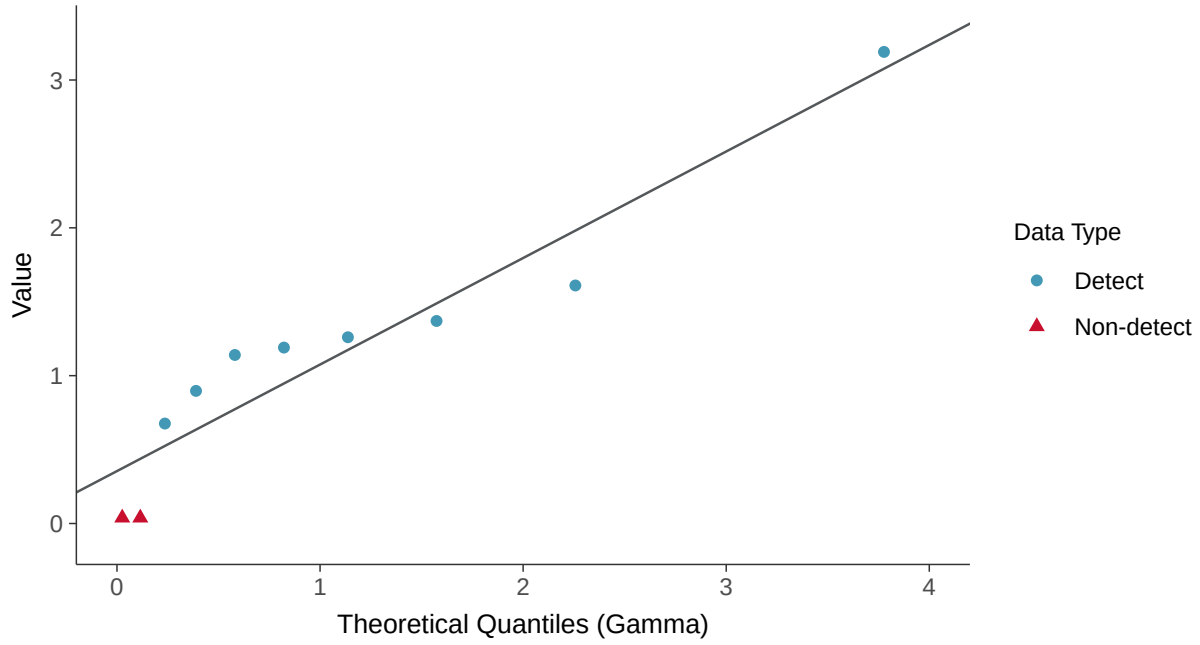
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-18A (pci/l)



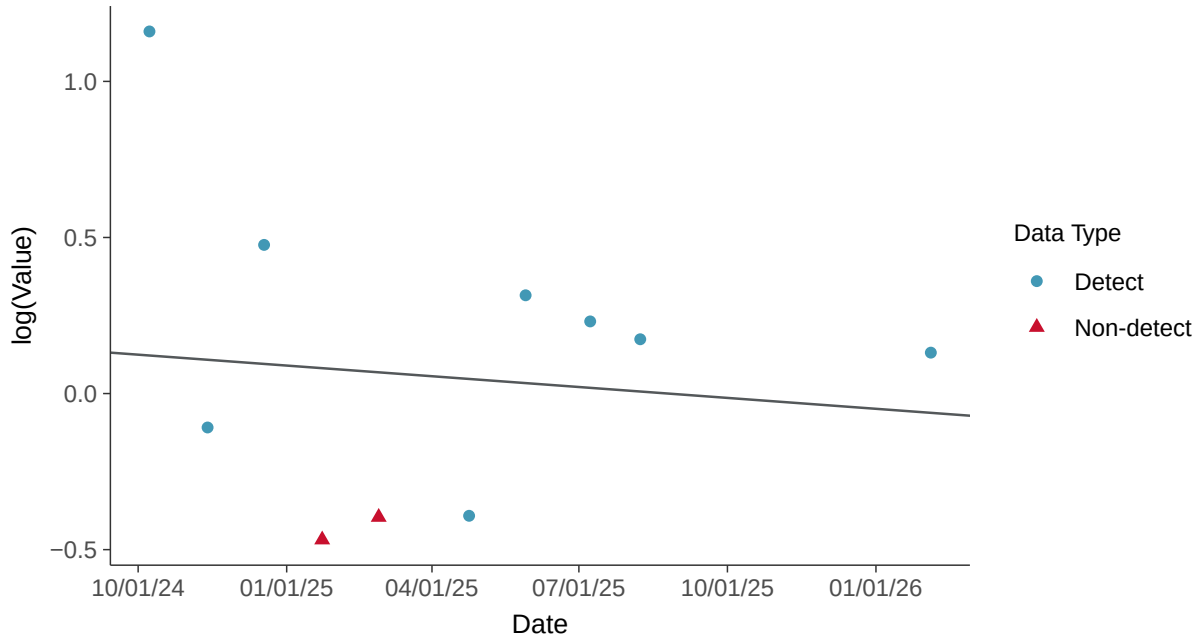
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-18A (pci/l)



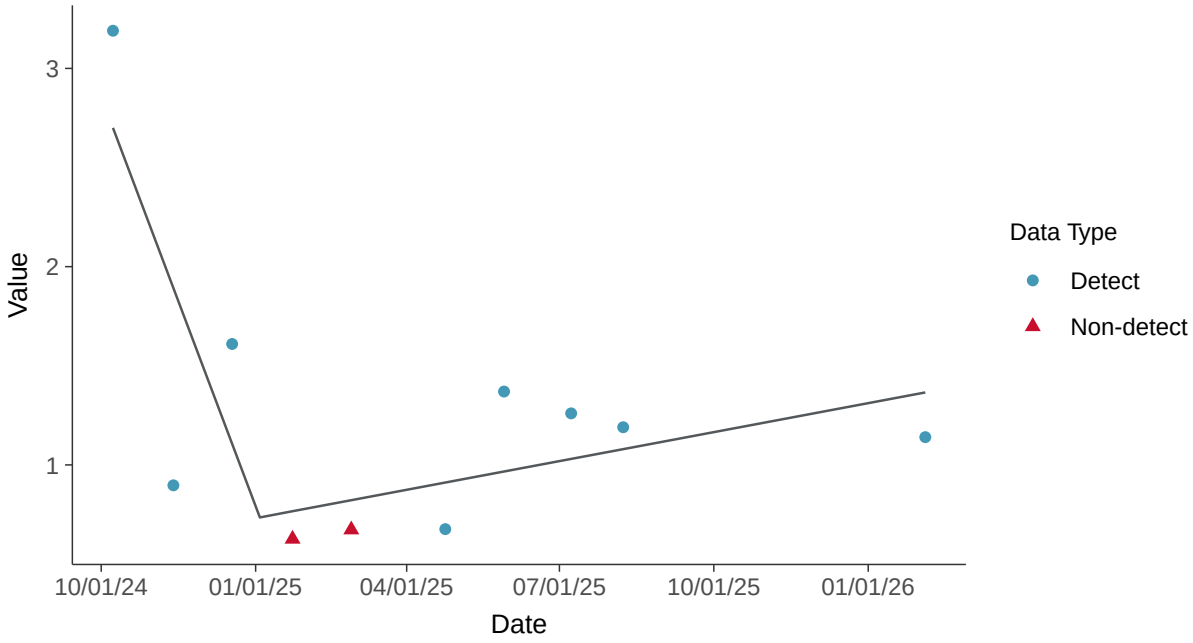
Trend Regression: Lognormal MLE

Radium-226+228, MW-18A (pci/l)



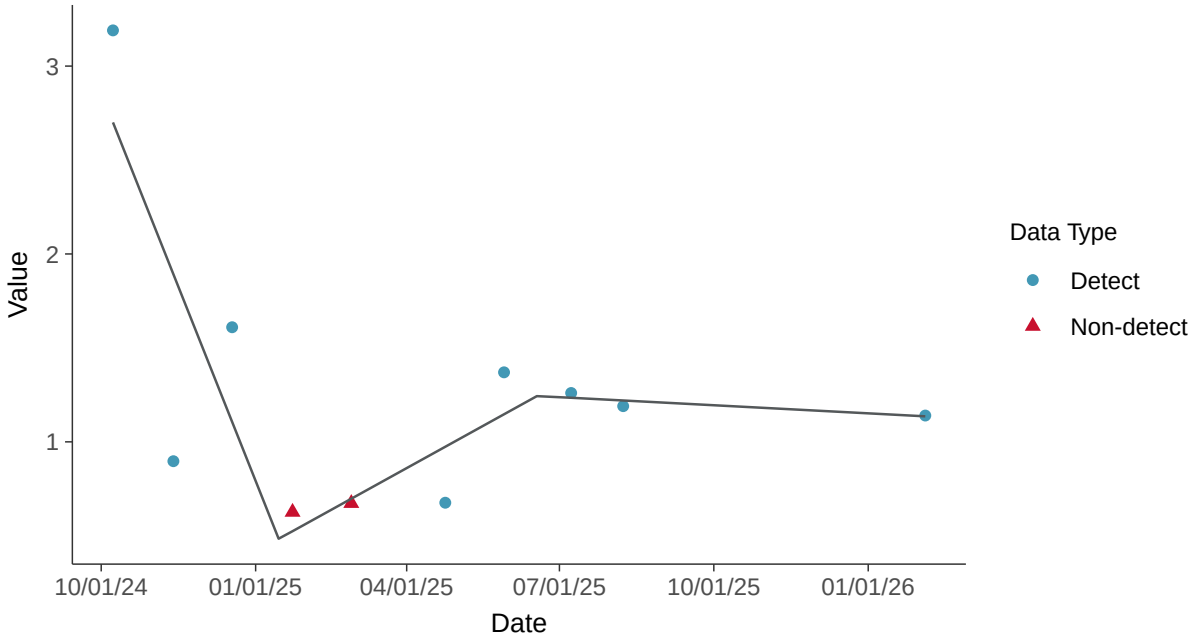
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-18A (pci/l)



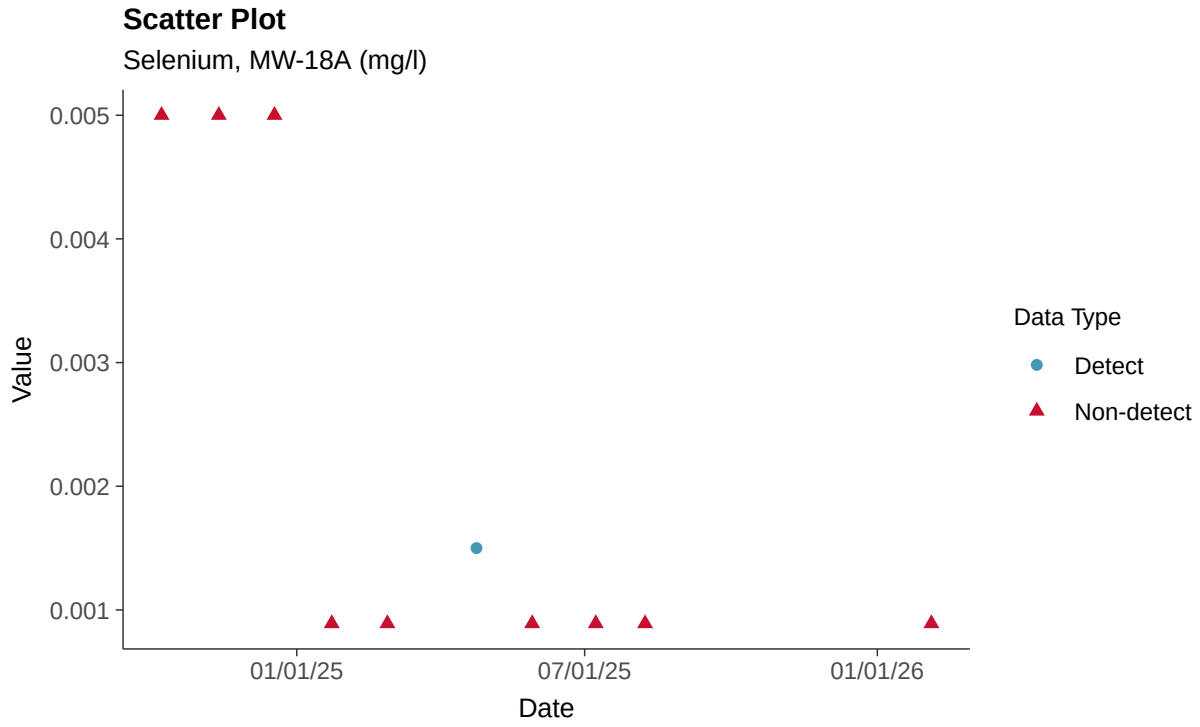
Trend Regression: Piecewise Linear-Linear-Linear

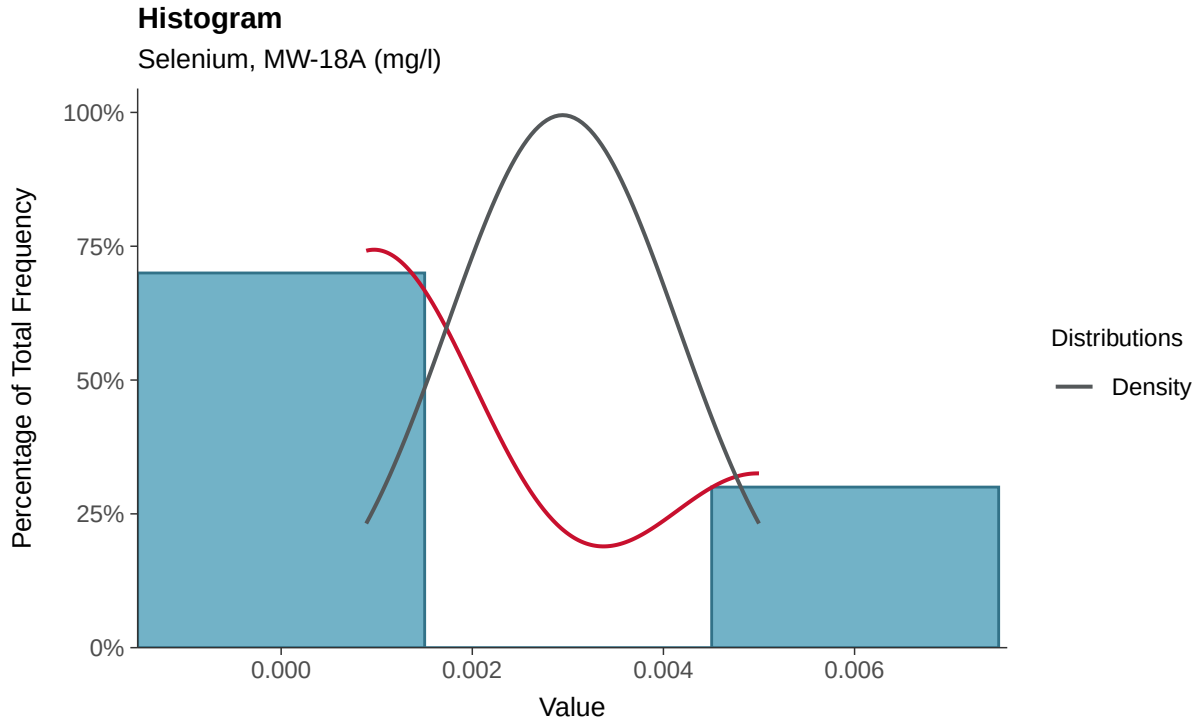
Radium-226+228, MW-18A (pci/l)



Appendix IV: Selenium, MW-18A

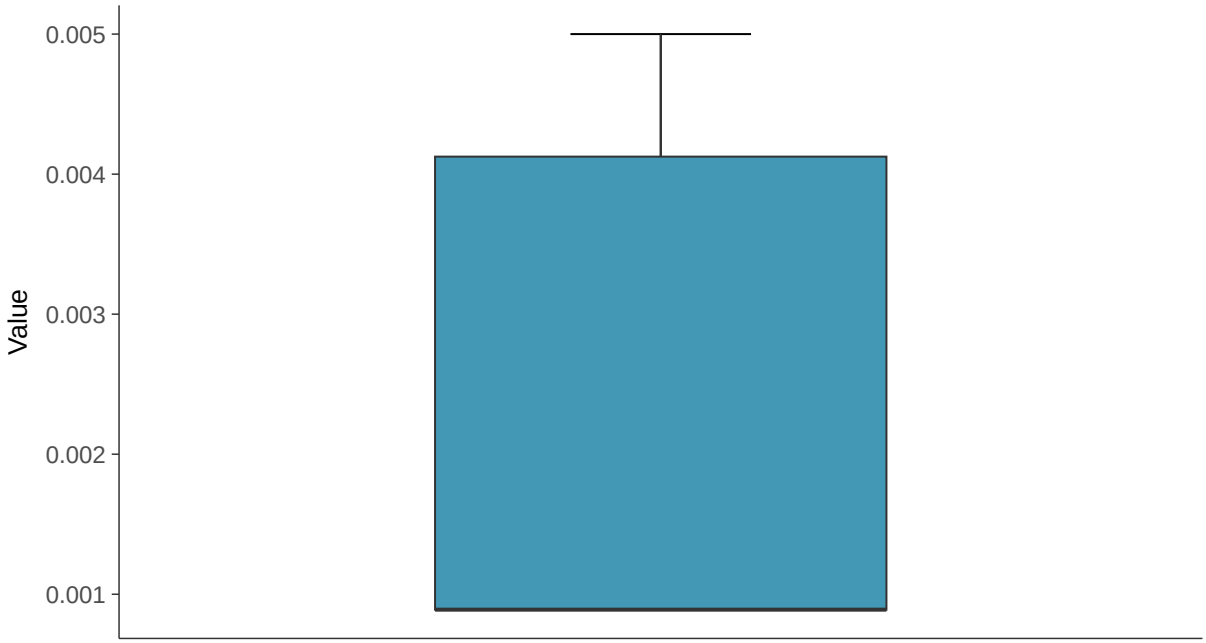
ID: 28_3_122





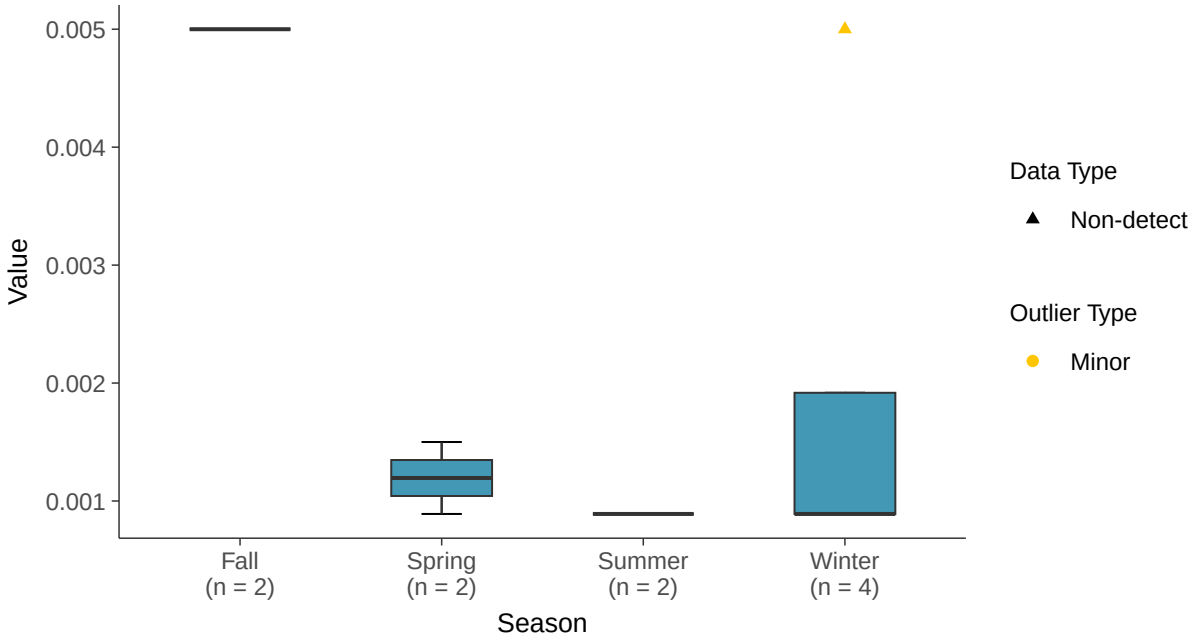
Boxplot

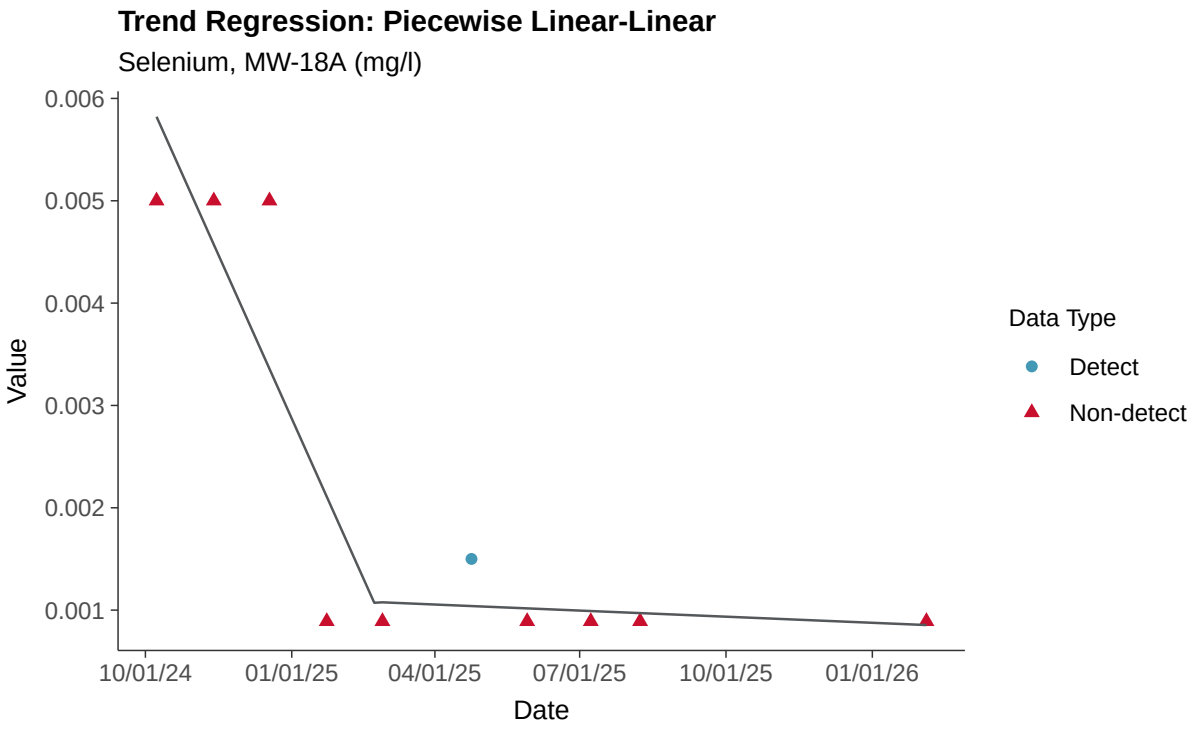
Selenium, MW-18A (mg/l)



Boxplot by Season

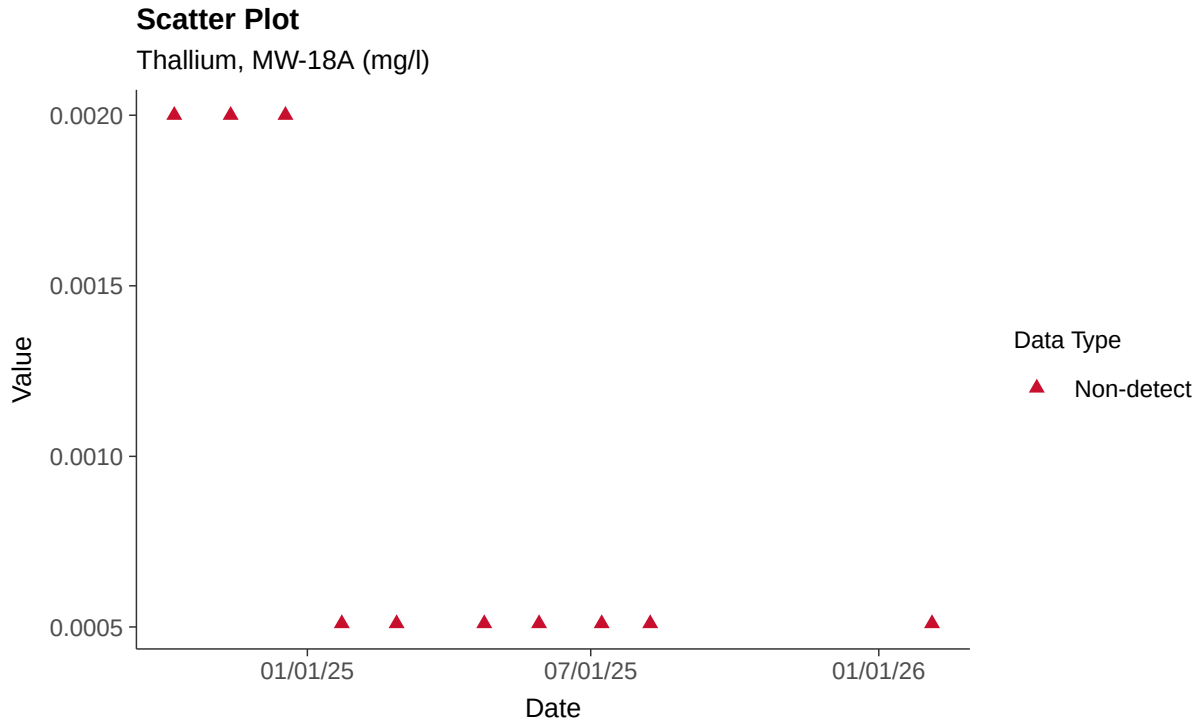
Selenium, MW-18A (mg/l)

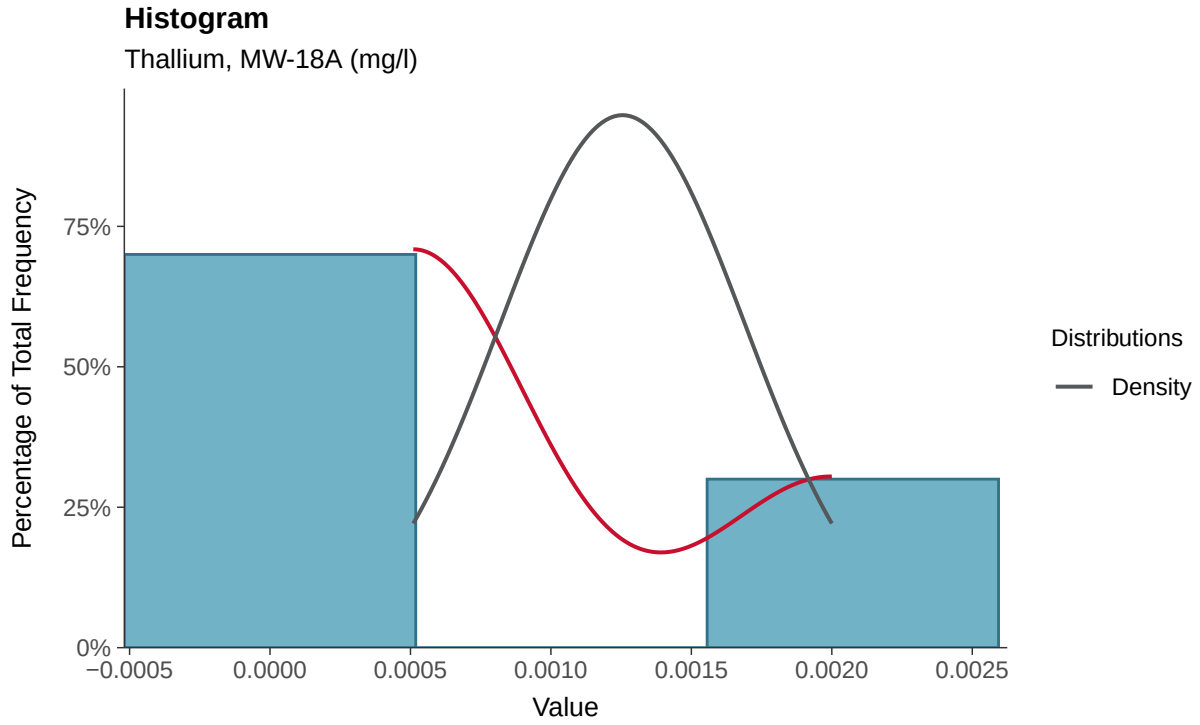



Trend Regression: Piecewise Linear-Linear
Selenium, MW-18A (mg/l)
Value
0.006
0.005
0.004
0.003
0.002
0.001
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Thallium, MW-18A

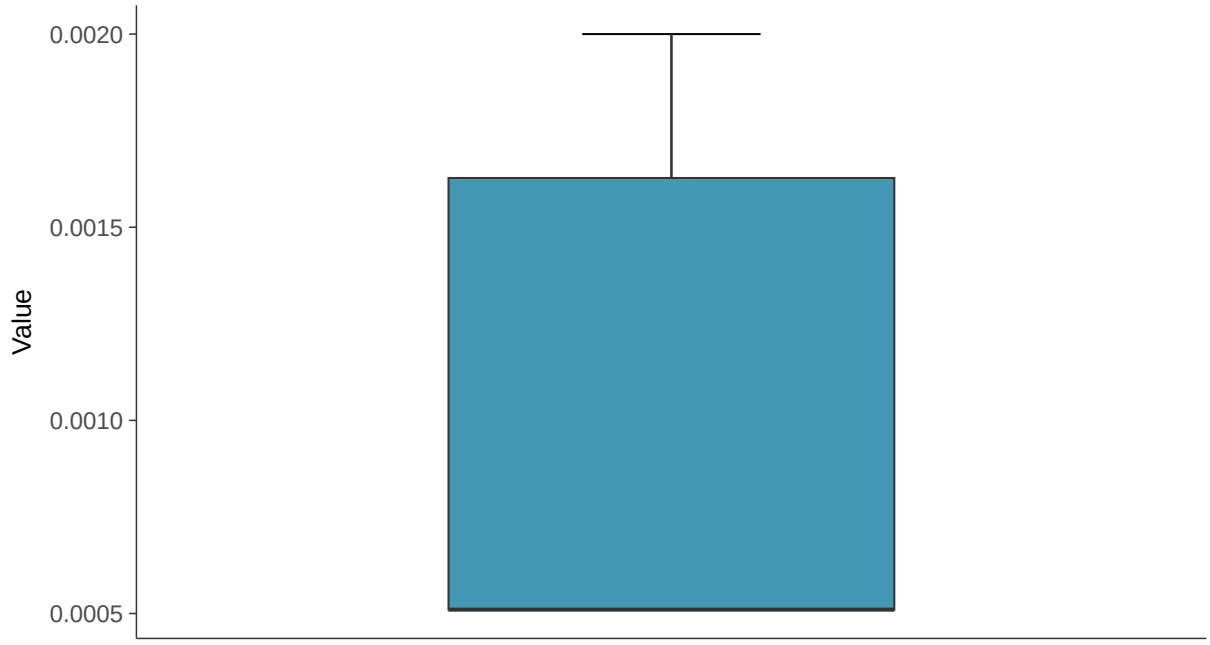
ID: 28_3_125





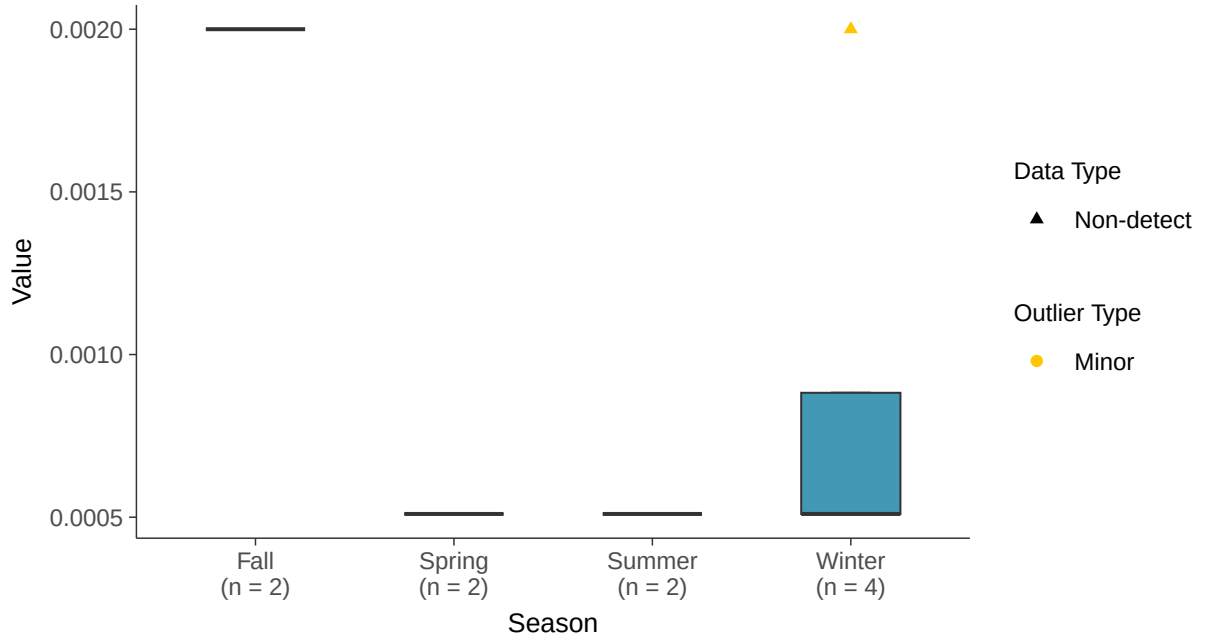
Boxplot

Thallium, MW-18A (mg/l)



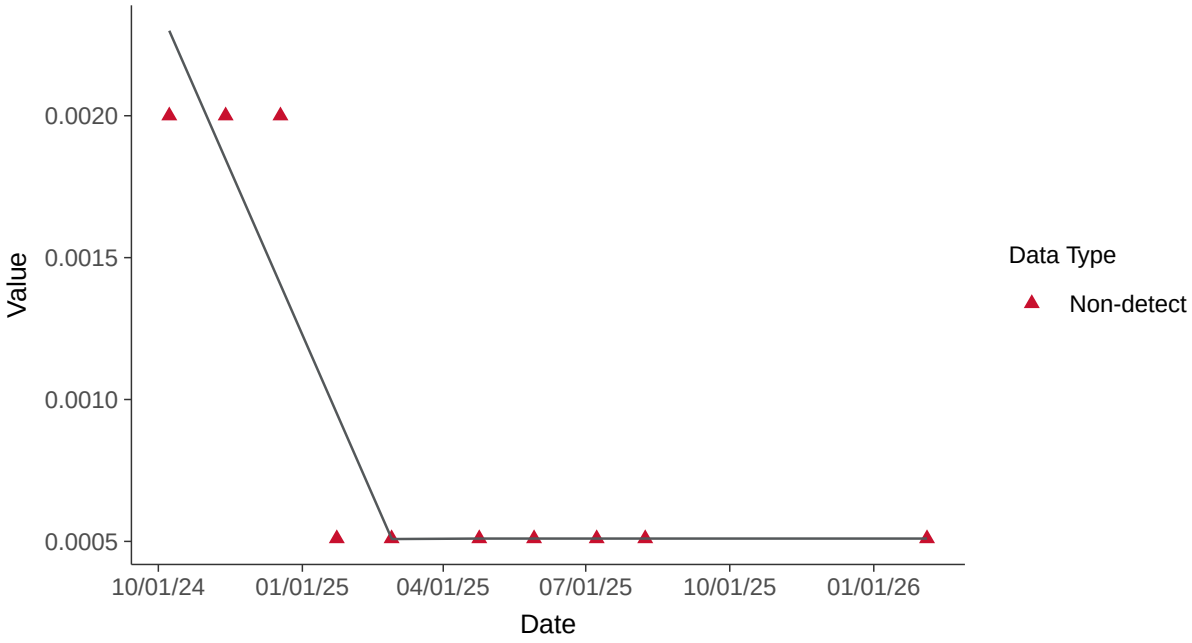
Boxplot by Season

Thallium, MW-18A (mg/l)



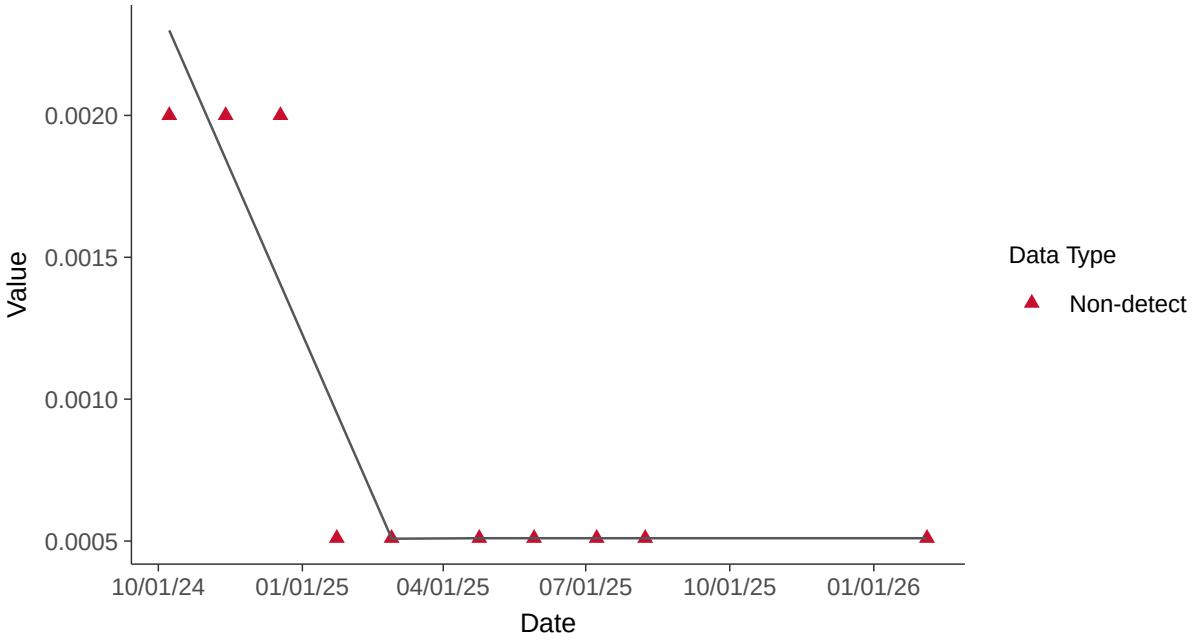
Trend Regression: Piecewise Linear-Linear

Thallium, MW-18A (mg/l)



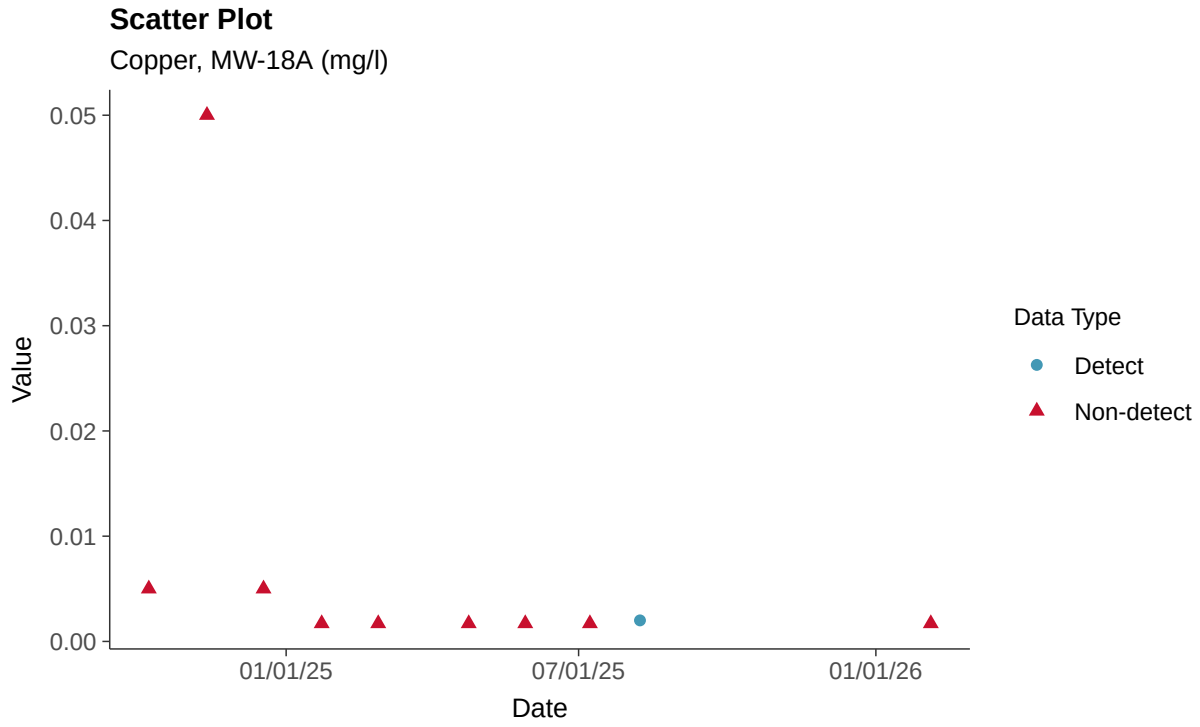
Trend Regression: Piecewise Linear-Linear-Linear

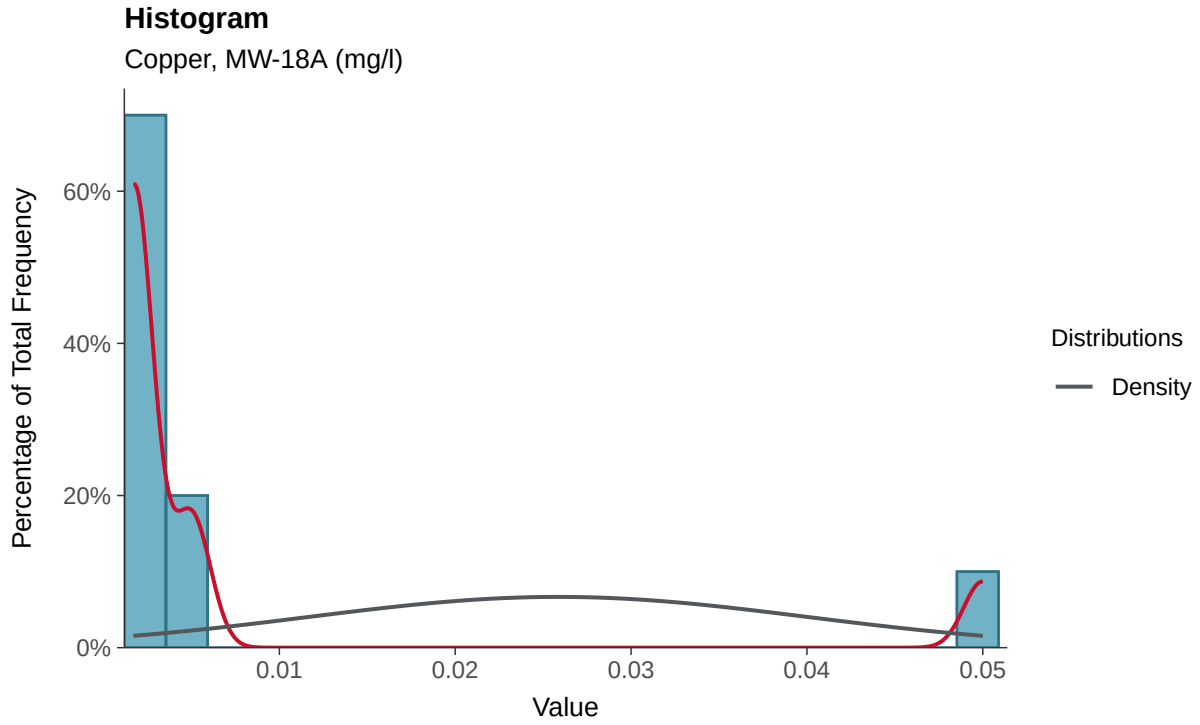
Thallium, MW-18A (mg/l)



Part 115: Copper, MW-18A

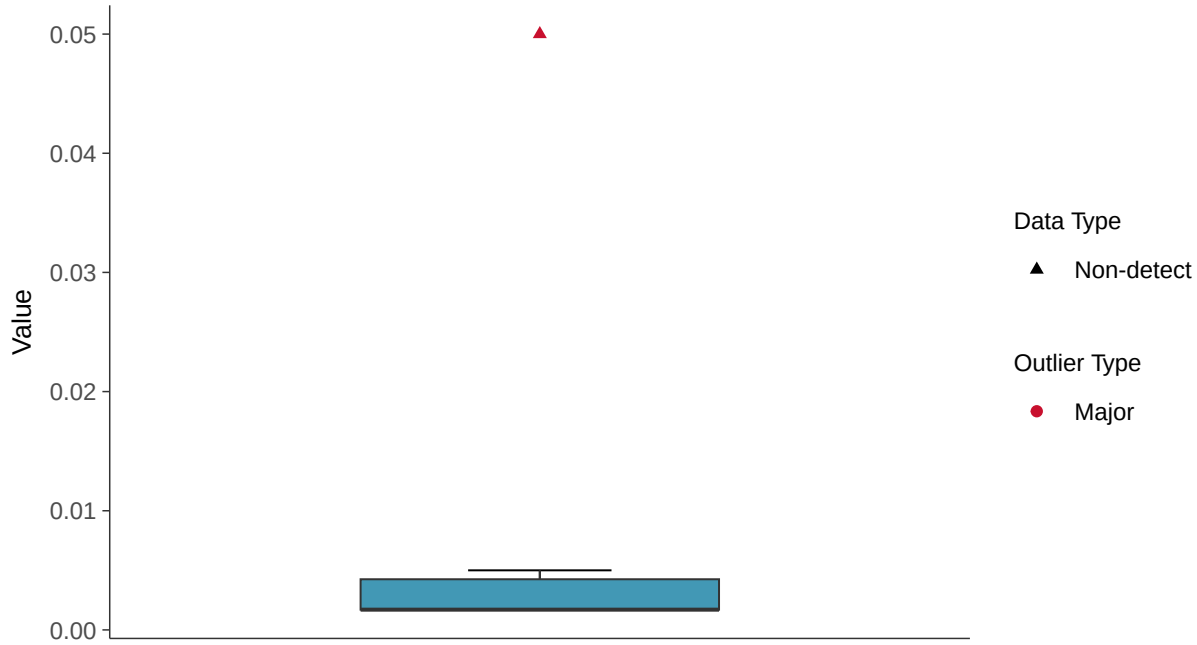
ID: 28_5_111





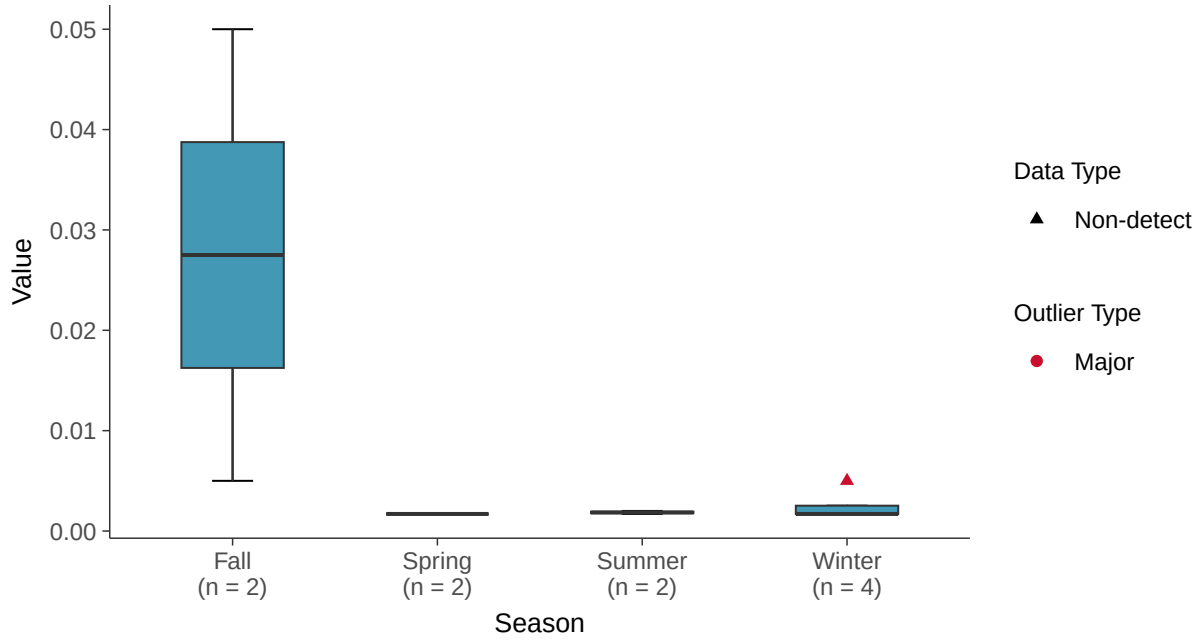
Boxplot

Copper, MW-18A (mg/l)



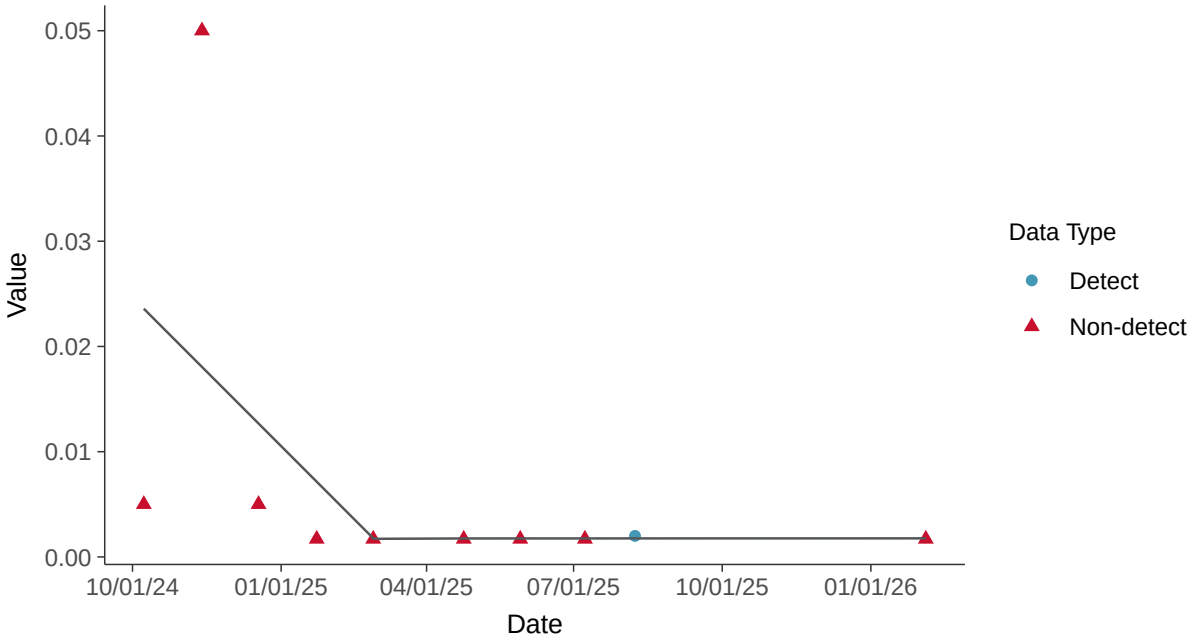
Boxplot by Season

Copper, MW-18A (mg/l)



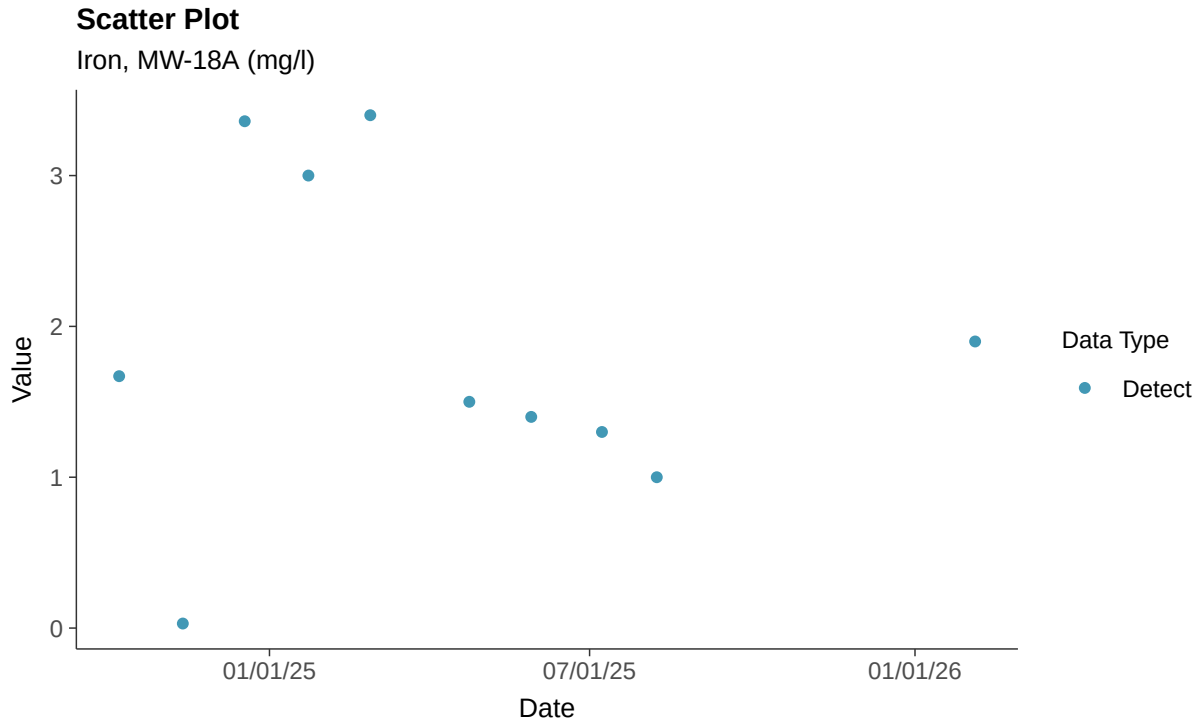
Trend Regression: Piecewise Linear-Linear

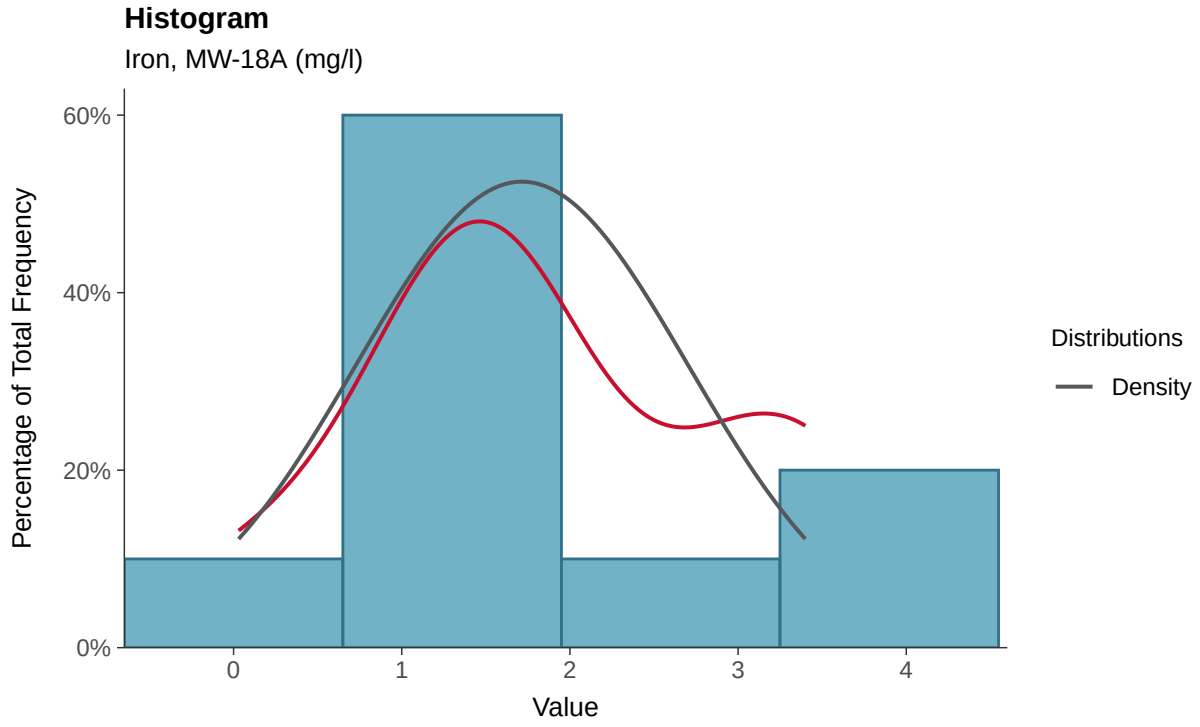
Copper, MW-18A (mg/l)



Part 115: Iron, MW-18A

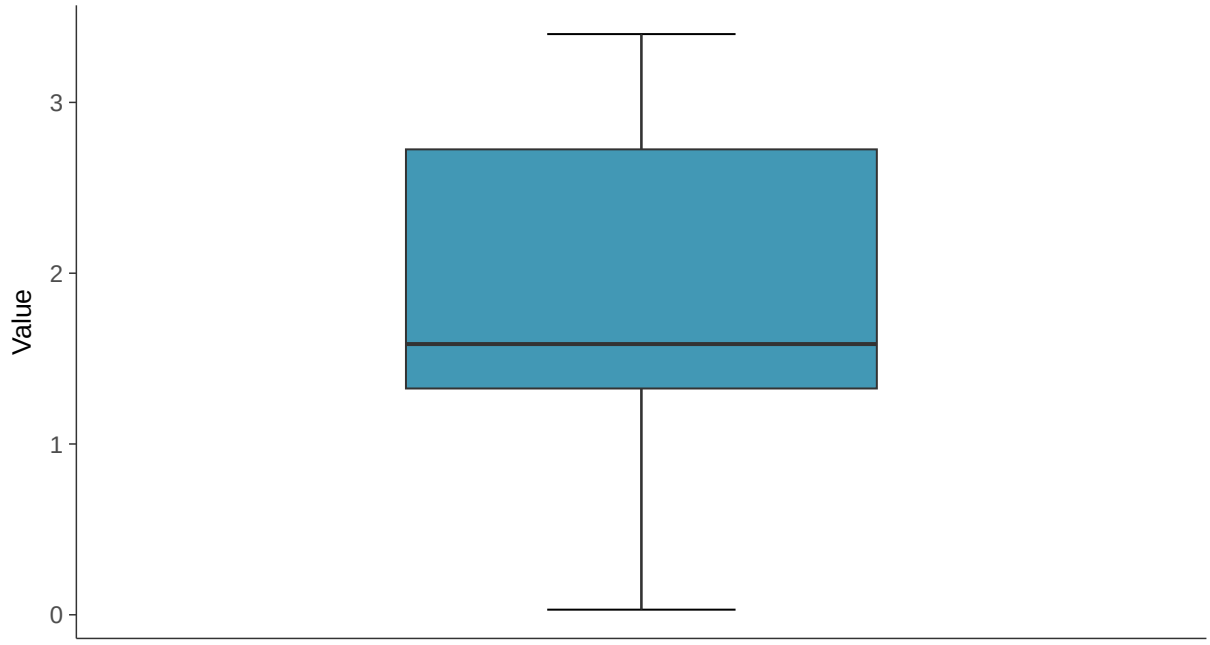
ID: 28_5_114





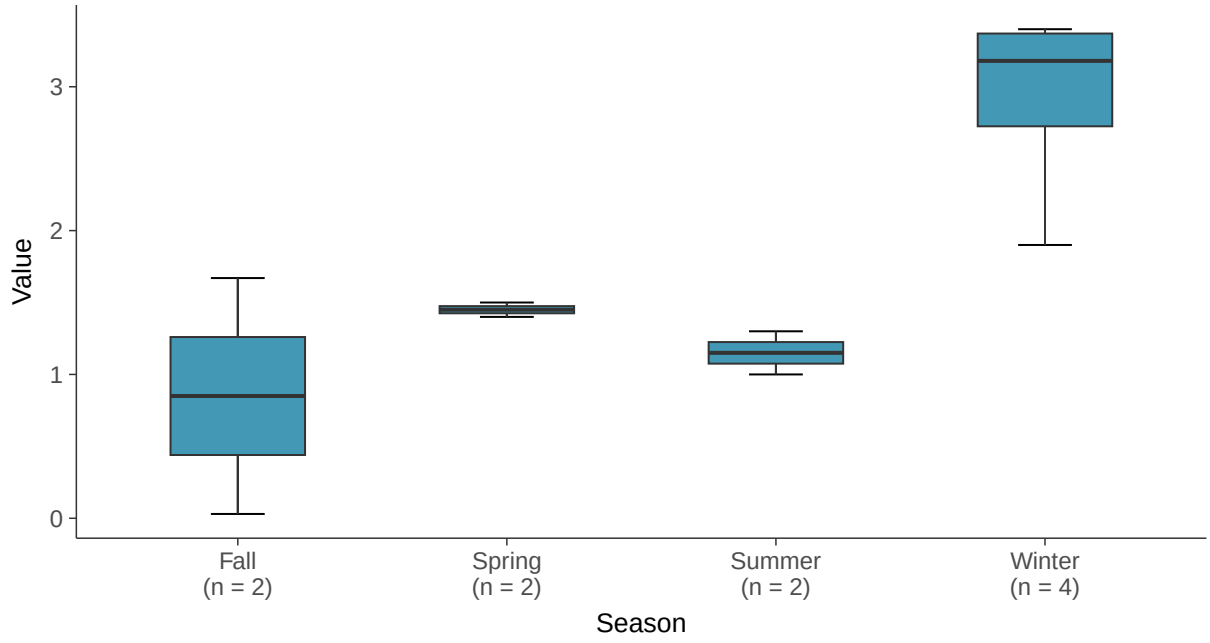
Boxplot

Iron, MW-18A (mg/l)



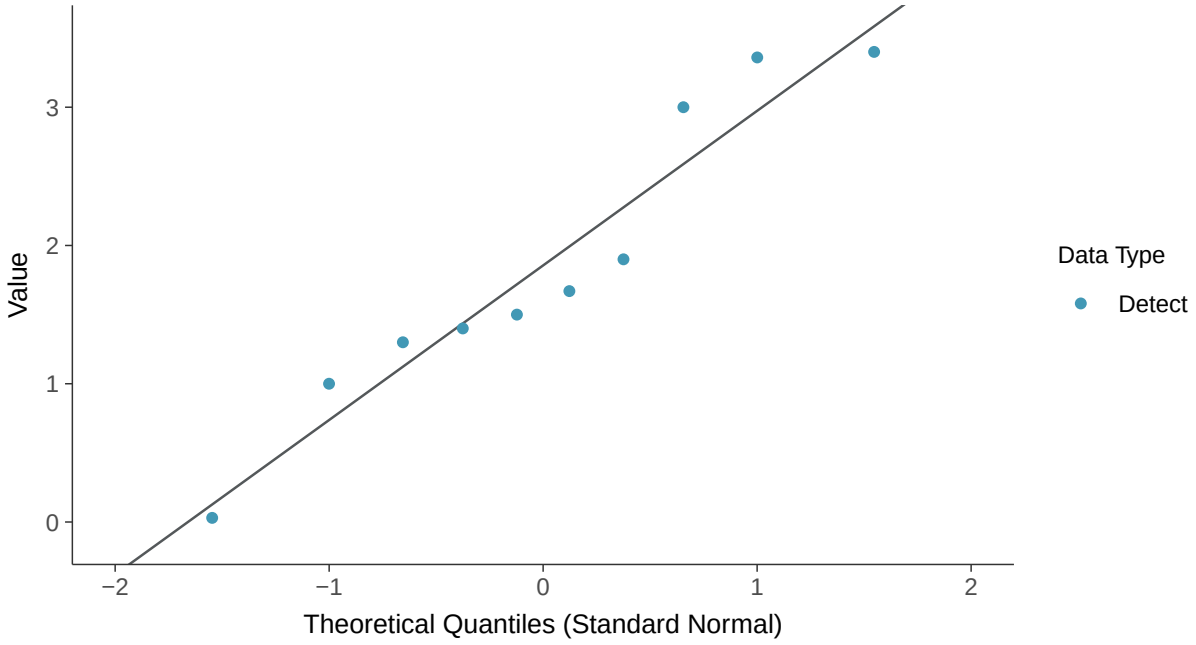
Boxplot by Season

Iron, MW-18A (mg/l)



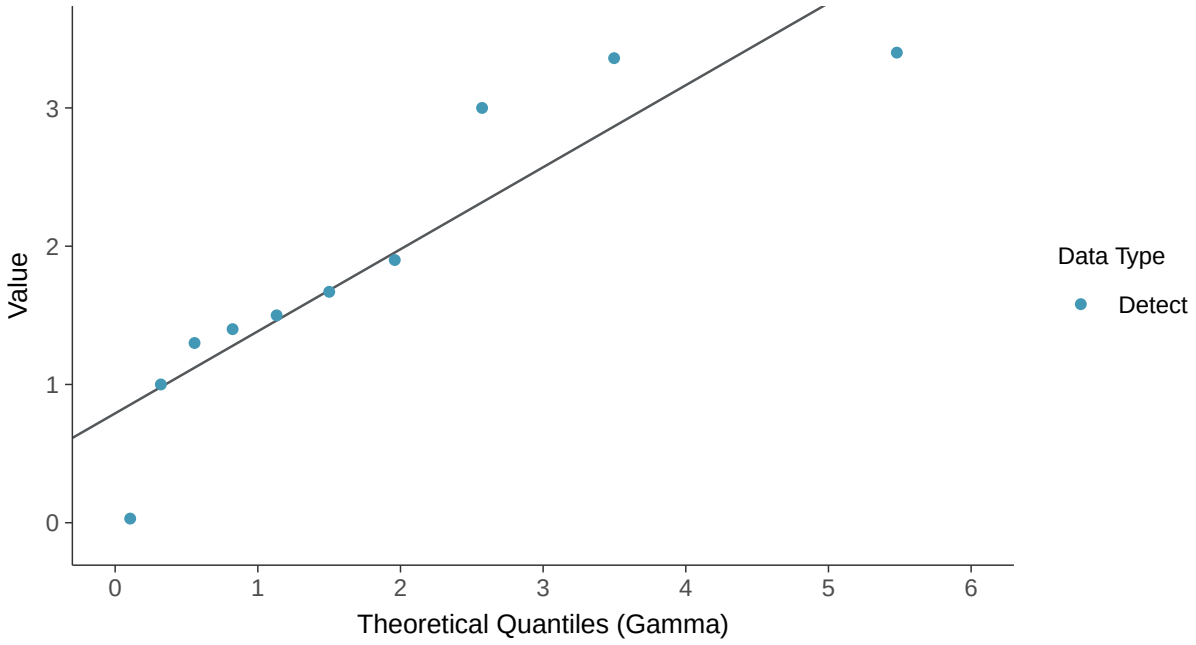
Normal Q-Q plot

Iron, MW-18A (mg/l)



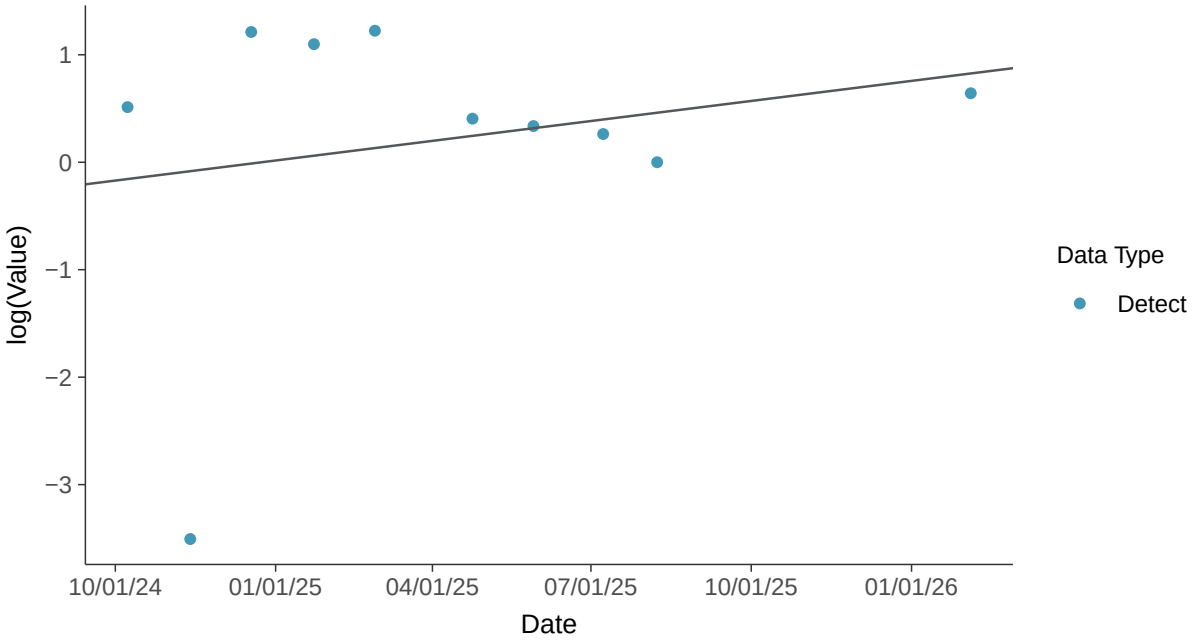
Gamma Q-Q plot

Iron, MW-18A (mg/l)



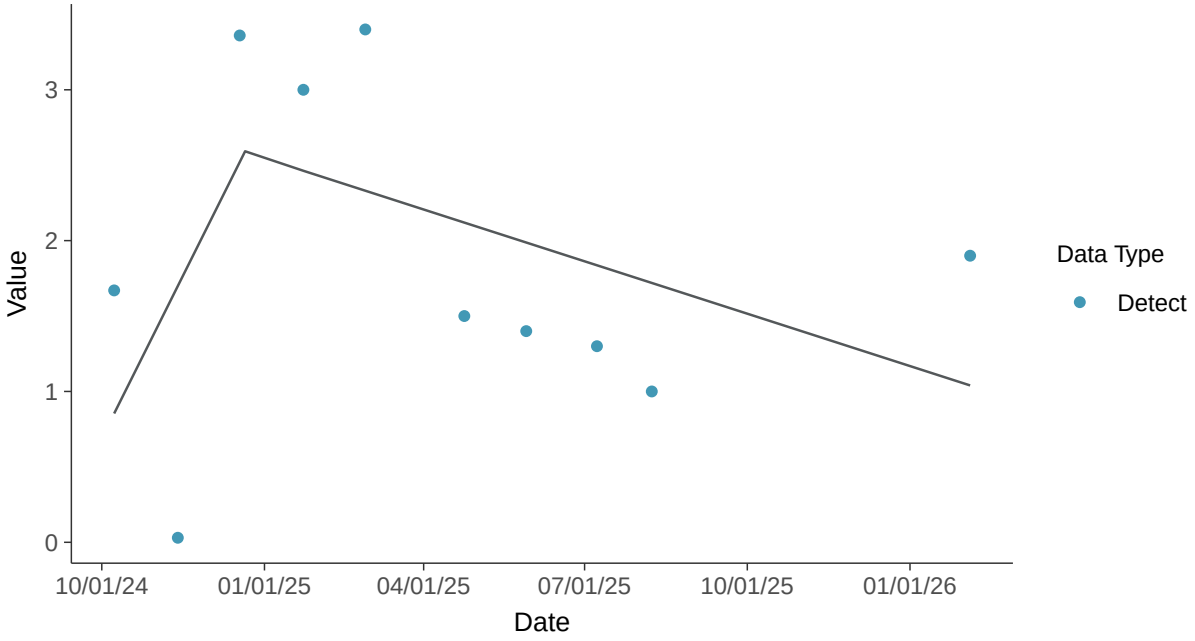
Trend Regression: Lognormal MLE

Iron, MW-18A (mg/l)



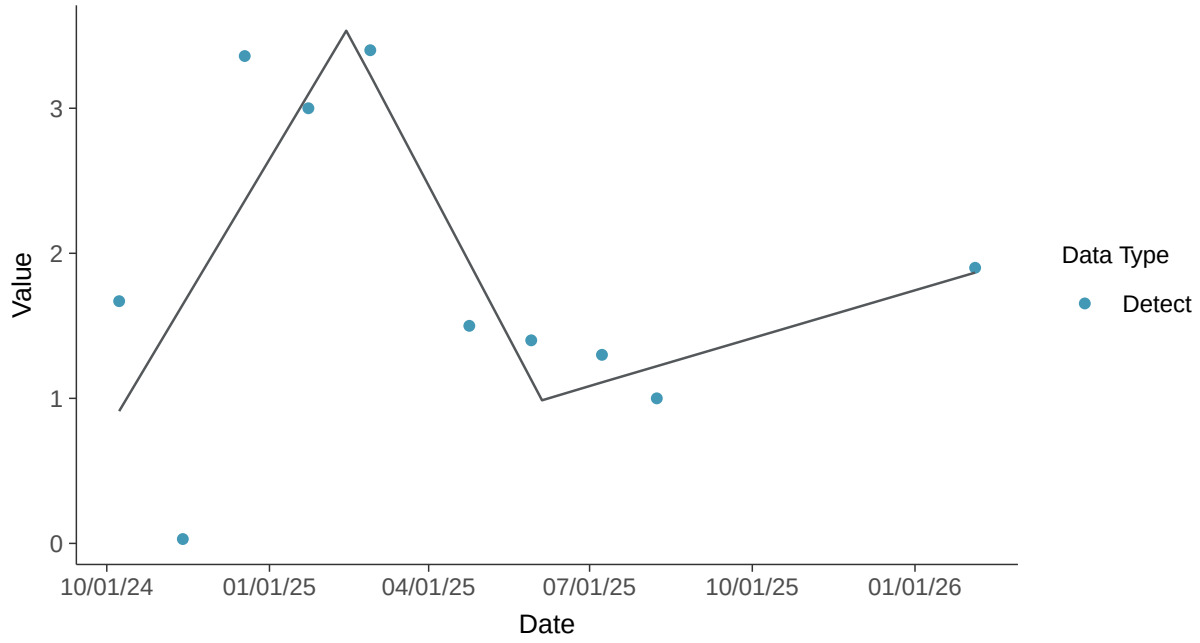
Trend Regression: Piecewise Linear-Linear

Iron, MW-18A (mg/l)



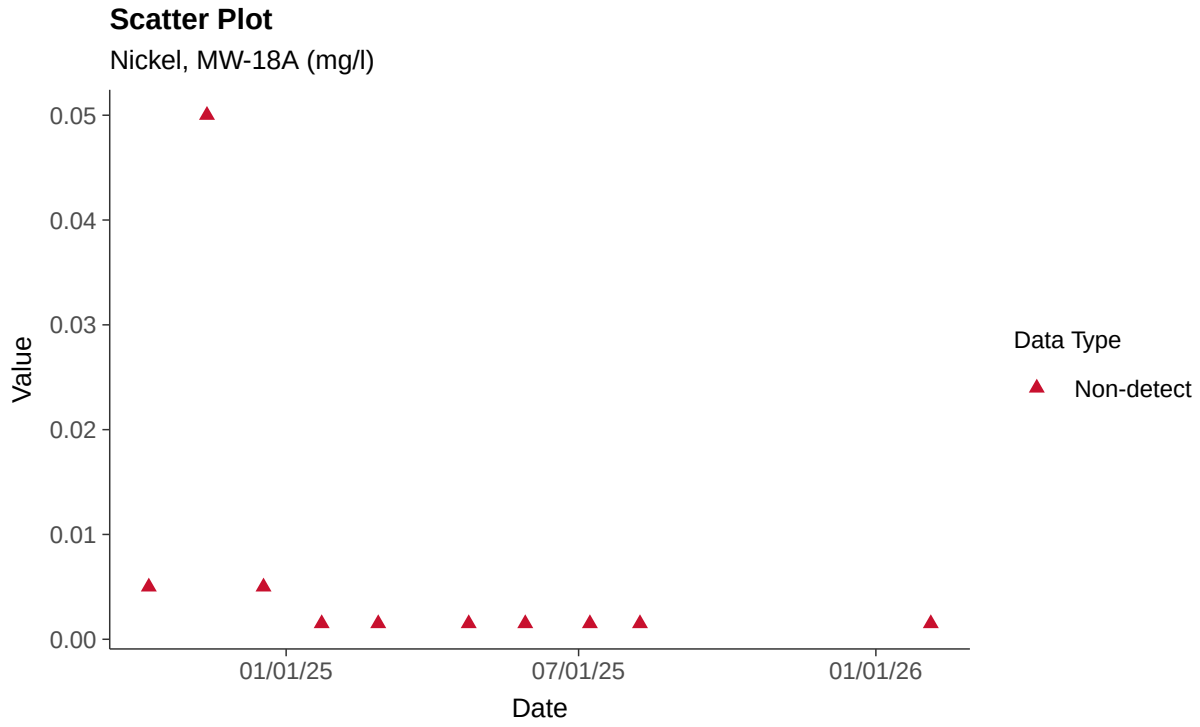
Trend Regression: Piecewise Linear-Linear-Linear

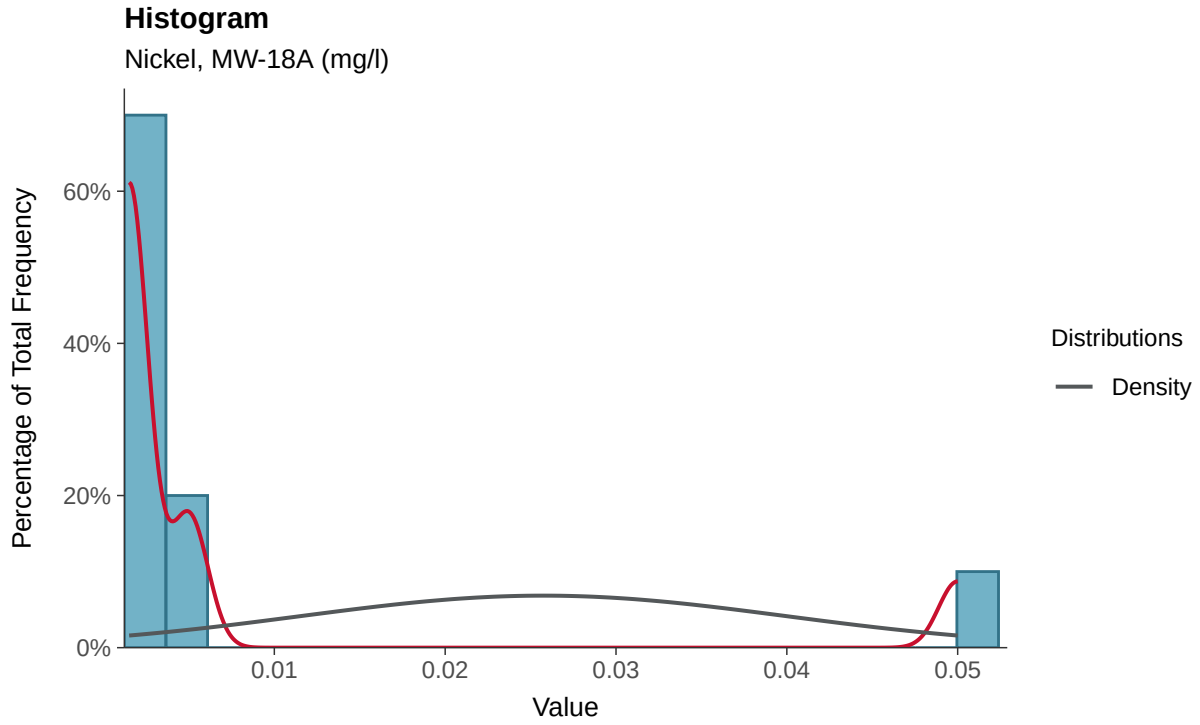
Iron, MW-18A (mg/l)



Part 115: Nickel, MW-18A

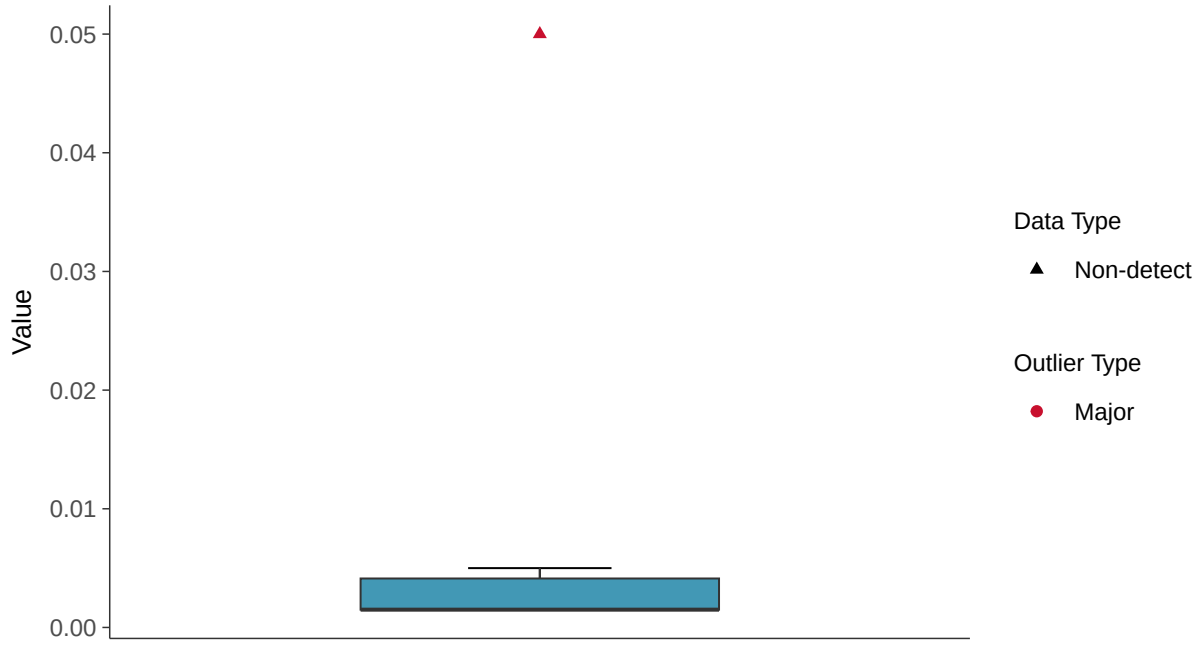
ID: 28_5_119





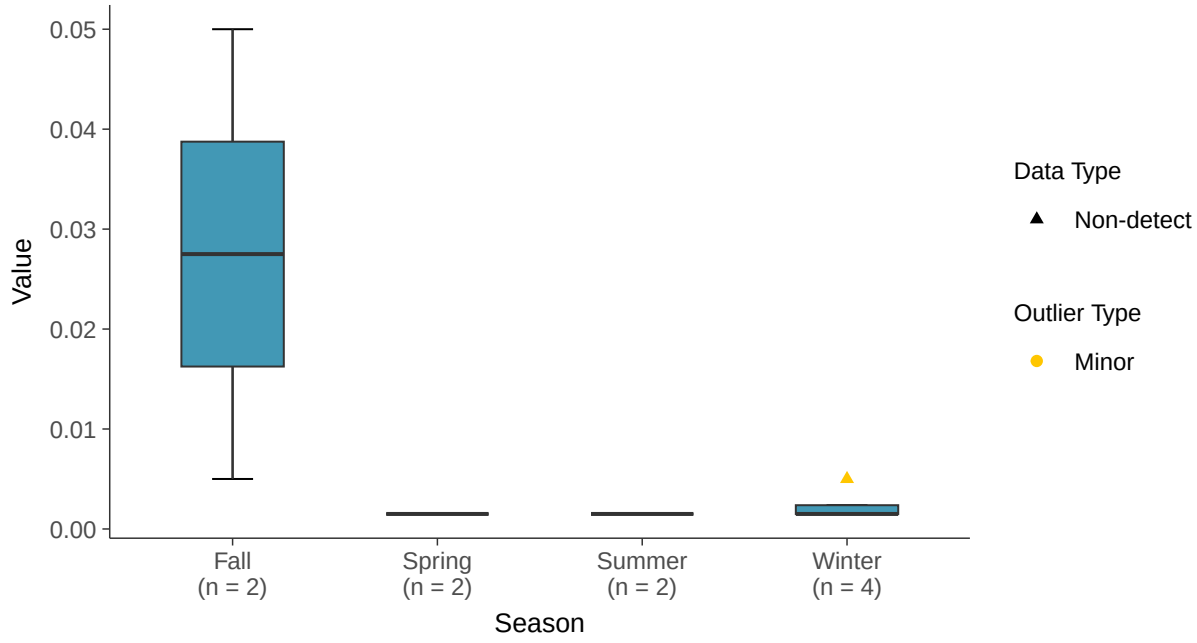
Boxplot

Nickel, MW-18A (mg/l)



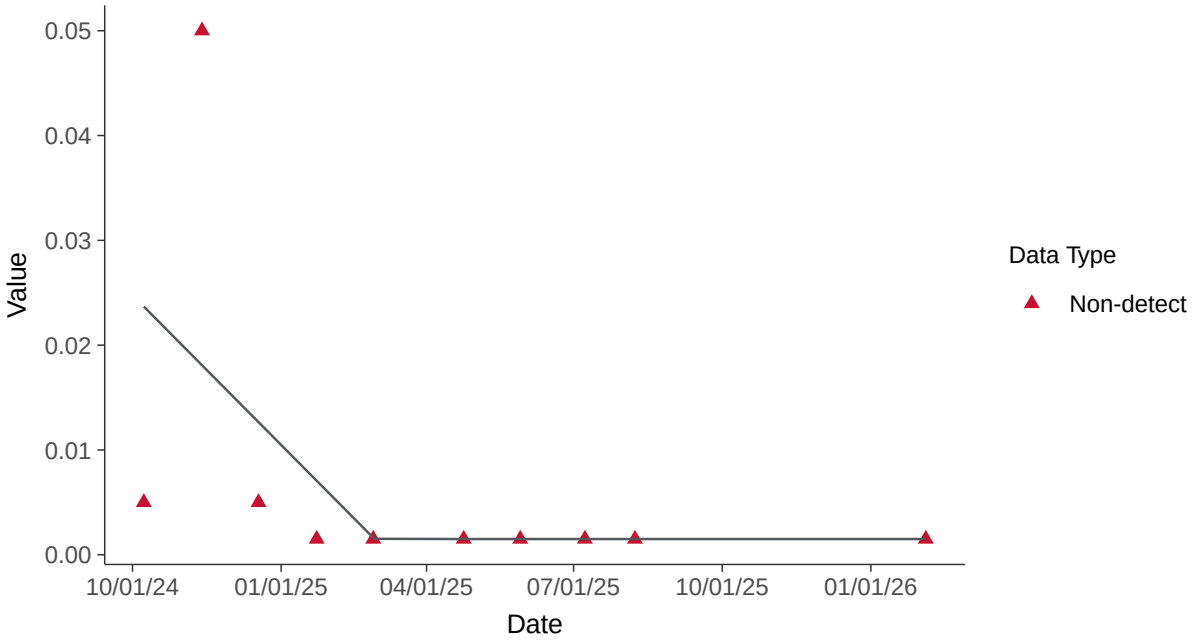
Boxplot by Season

Nickel, MW-18A (mg/l)



Trend Regression: Piecewise Linear-Linear

Nickel, MW-18A (mg/l)

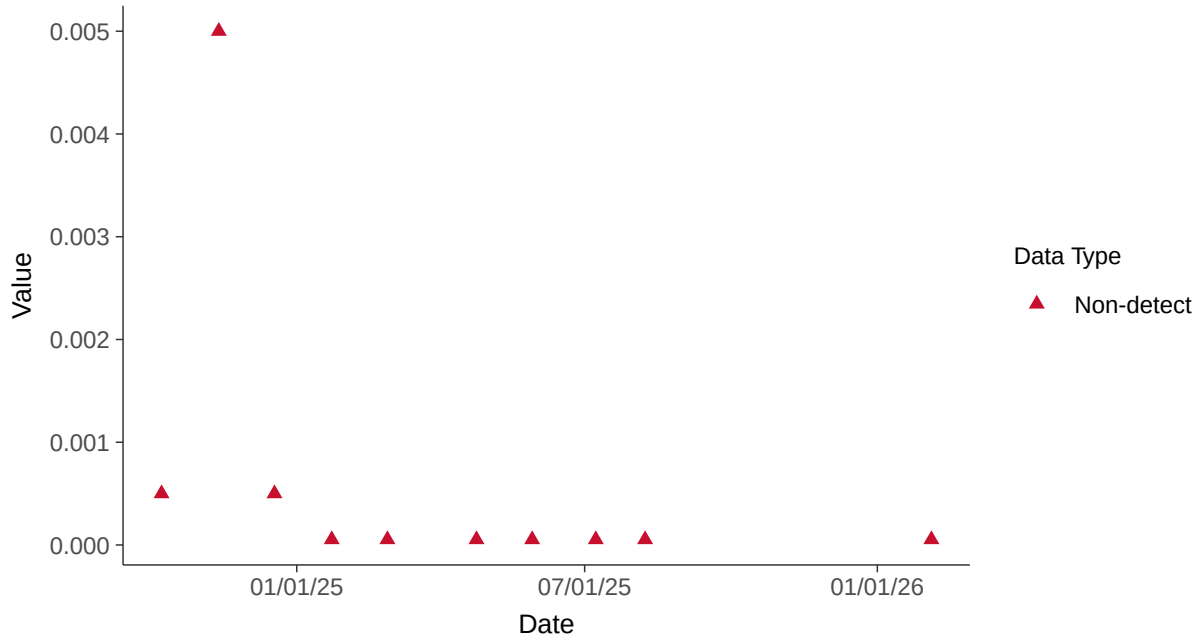


Part 115: Silver, MW-18A

ID: 28_5_123

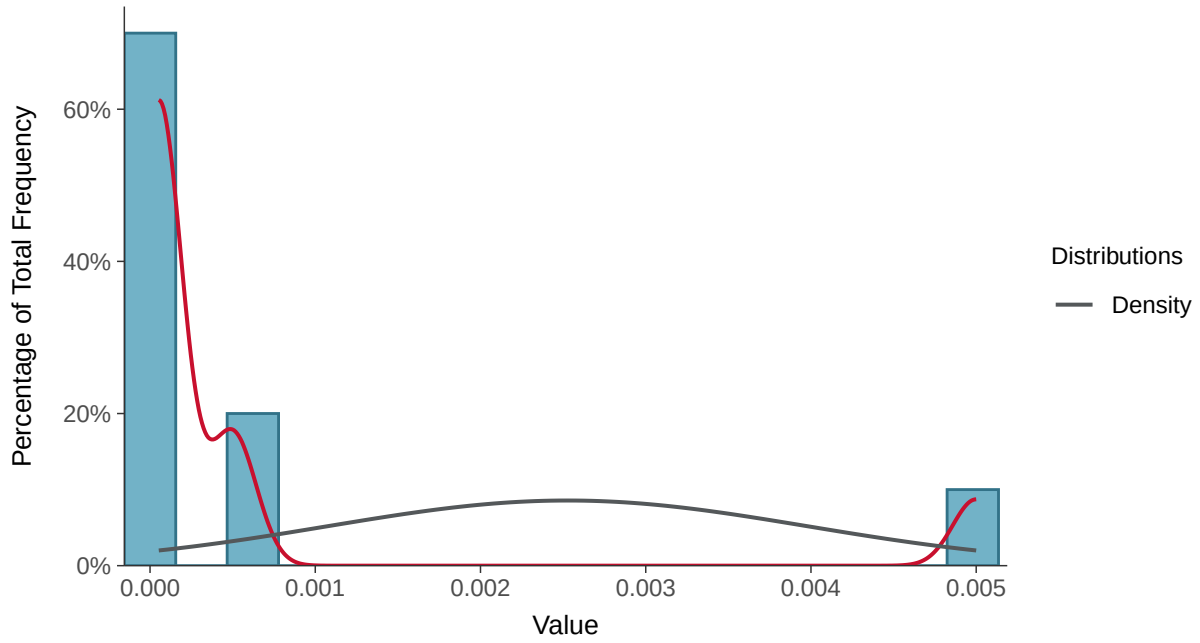
Scatter Plot

Silver, MW-18A (mg/l)



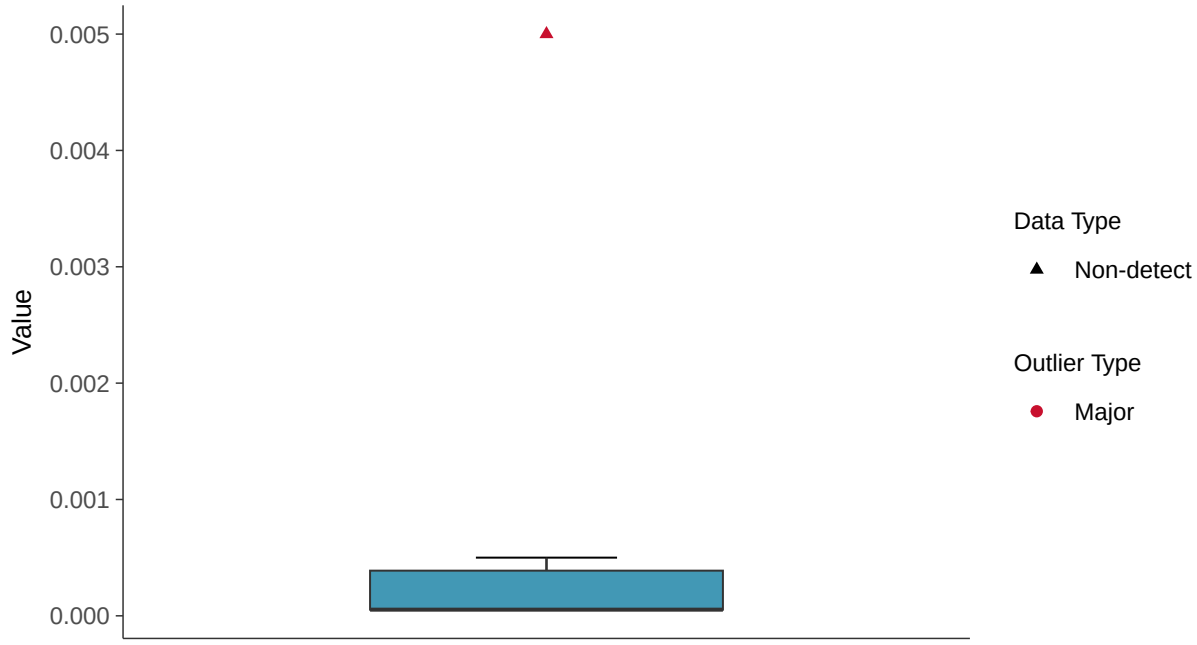
Histogram

Silver, MW-18A (mg/l)



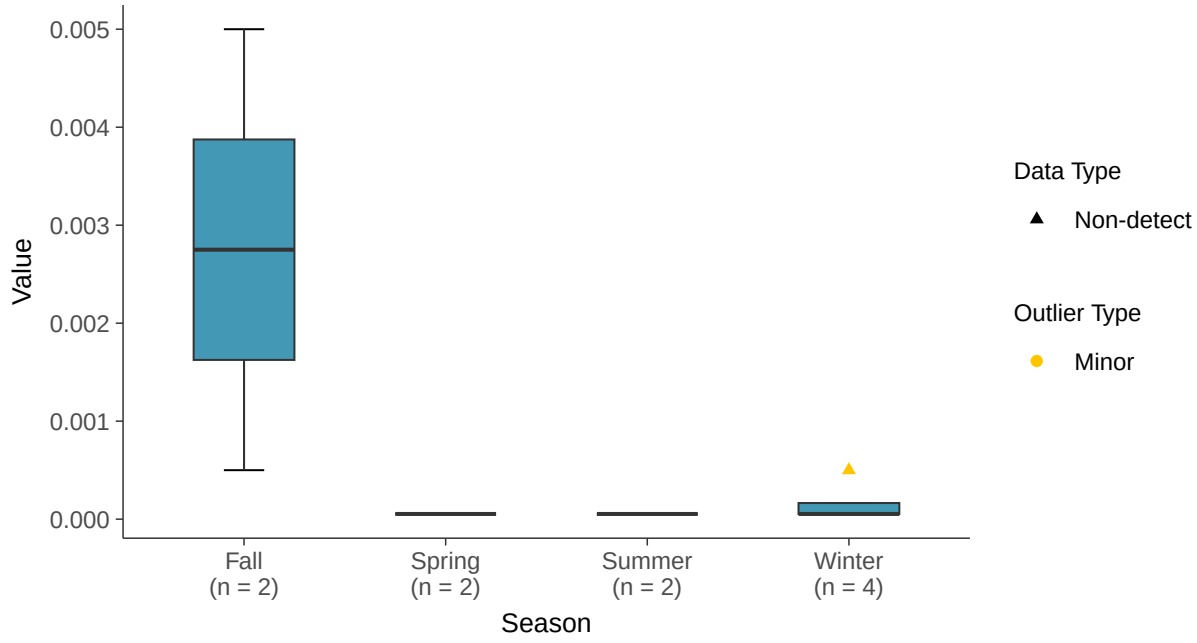
Boxplot

Silver, MW-18A (mg/l)



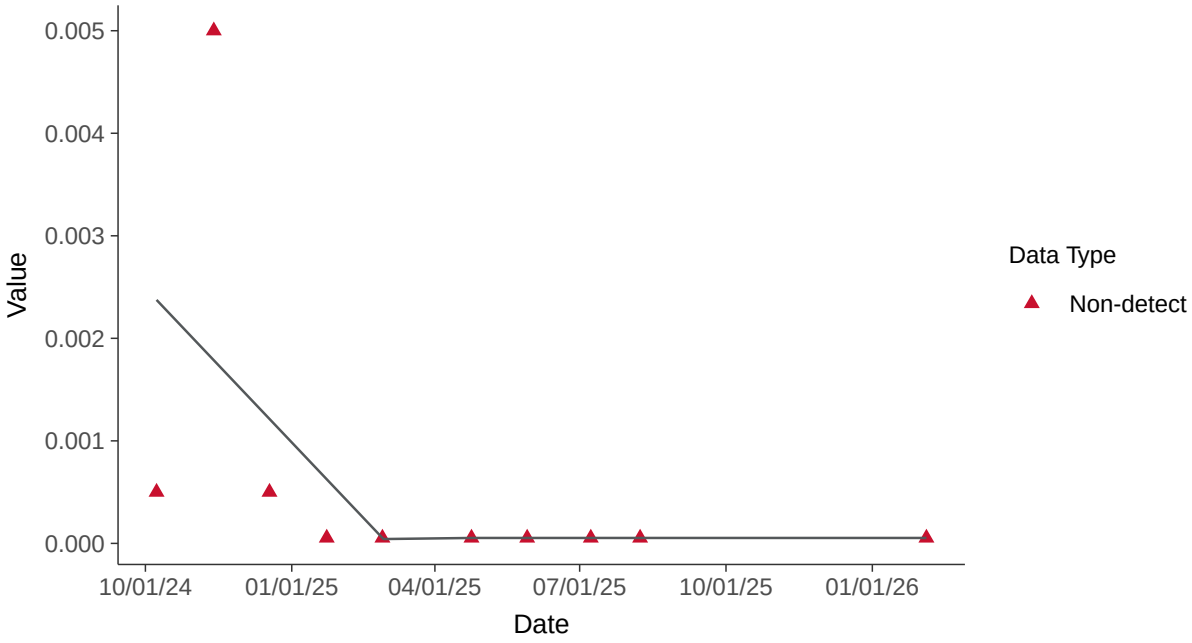
Boxplot by Season

Silver, MW-18A (mg/l)



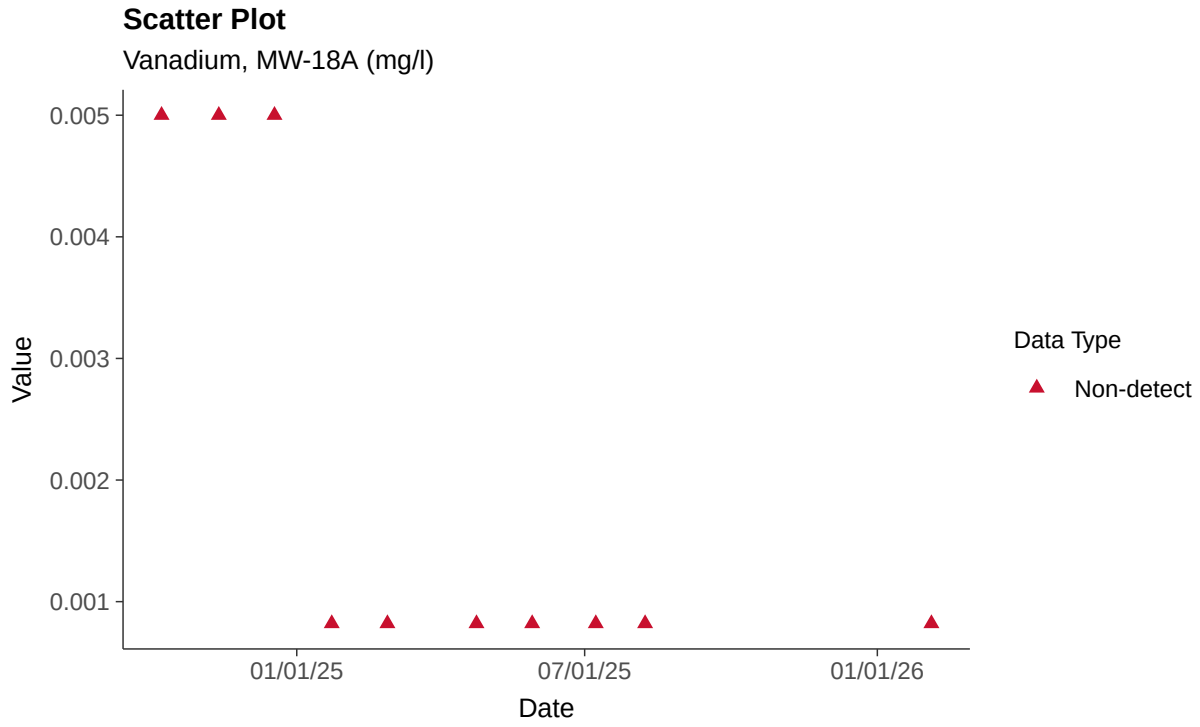
Trend Regression: Piecewise Linear-Linear

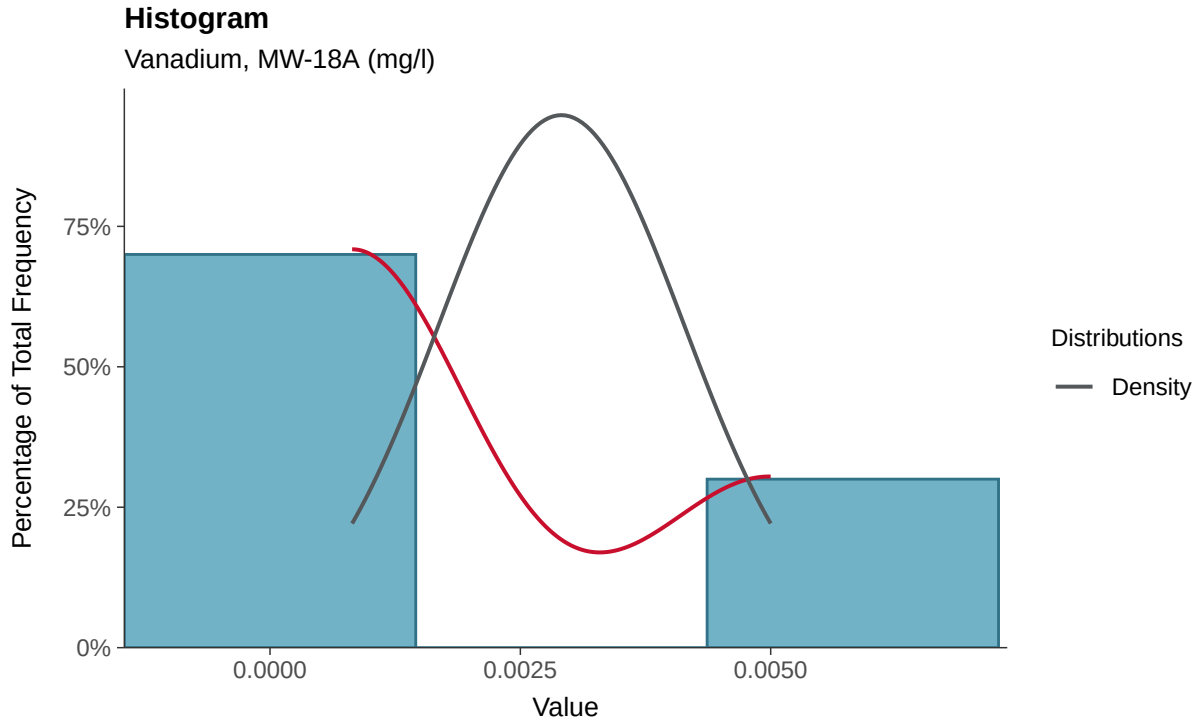
Silver, MW-18A (mg/l)



Part 115: Vanadium, MW-18A

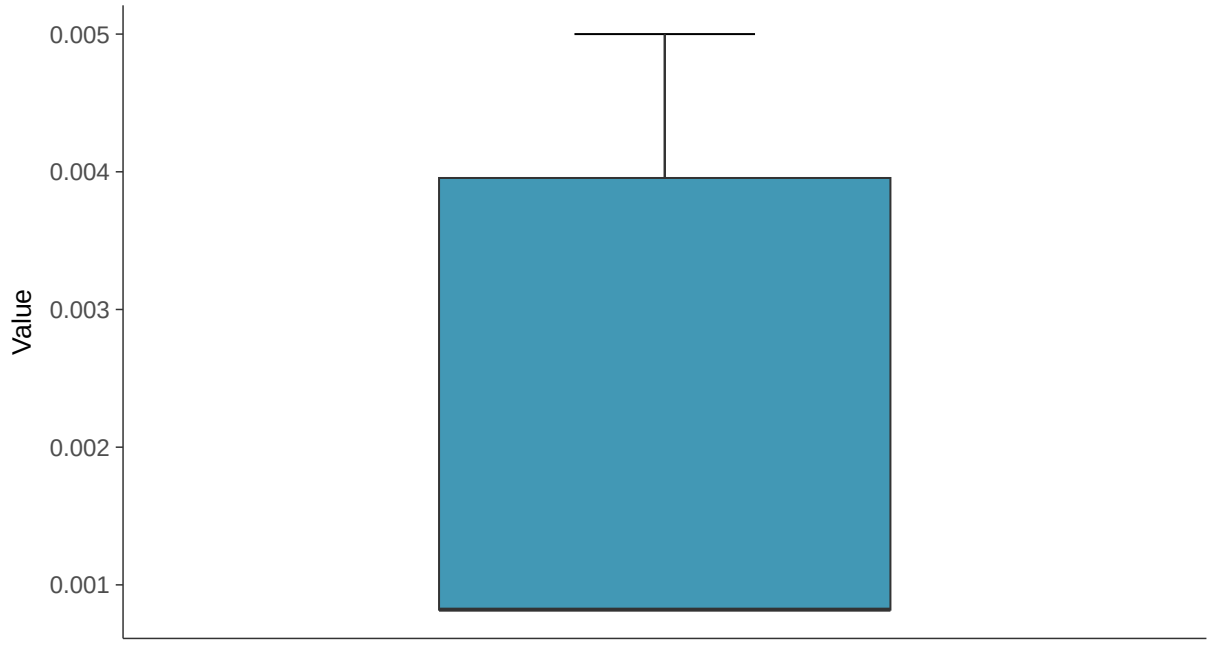
ID: 28_5_128





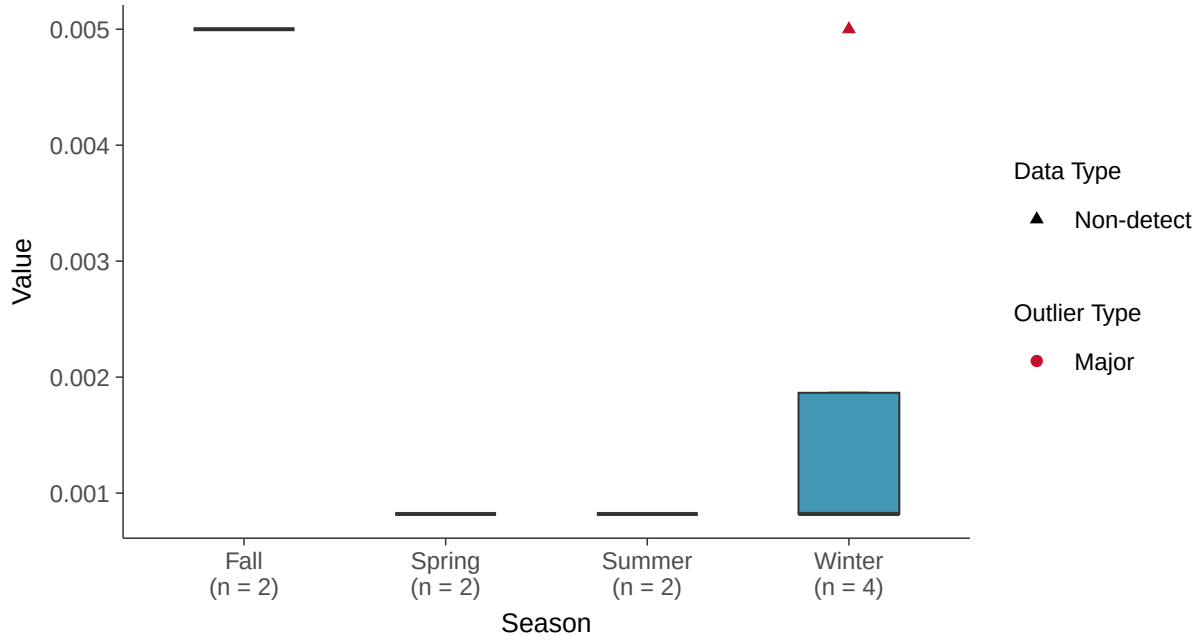
Boxplot

Vanadium, MW-18A (mg/l)



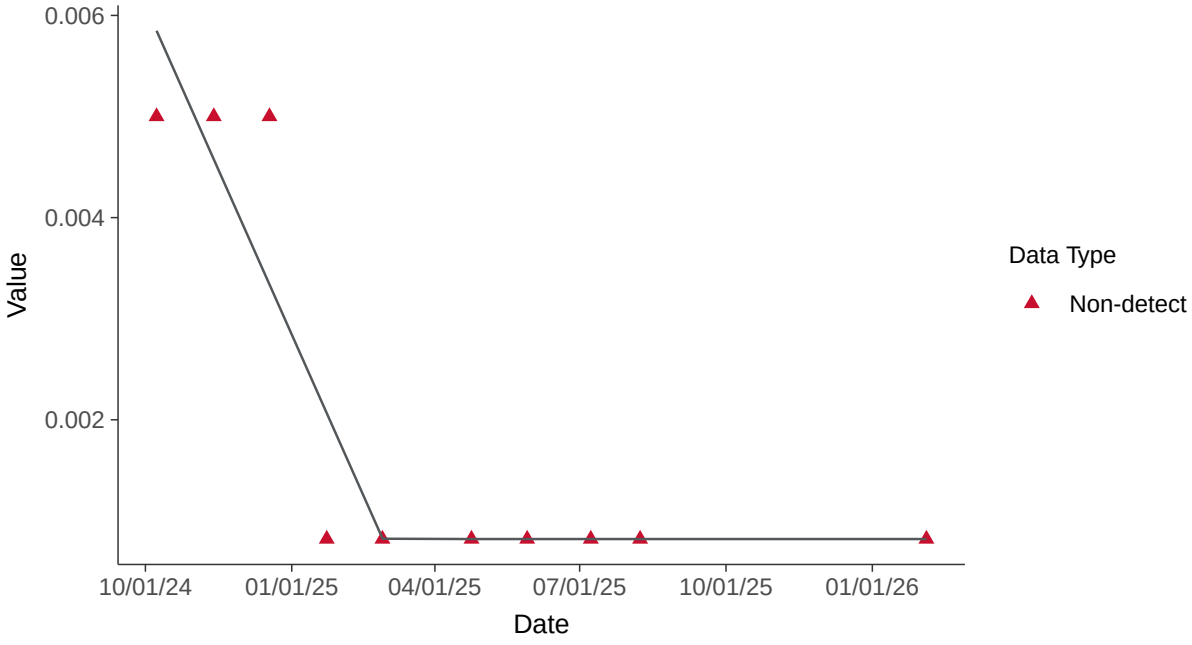
Boxplot by Season

Vanadium, MW-18A (mg/l)



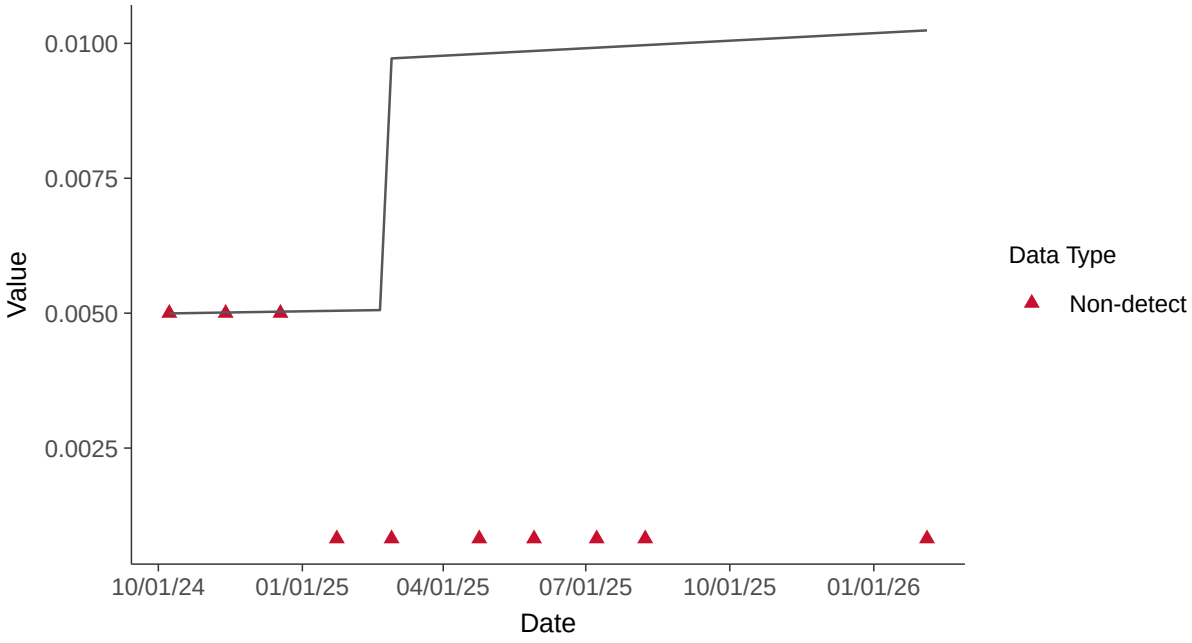
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-18A (mg/l)



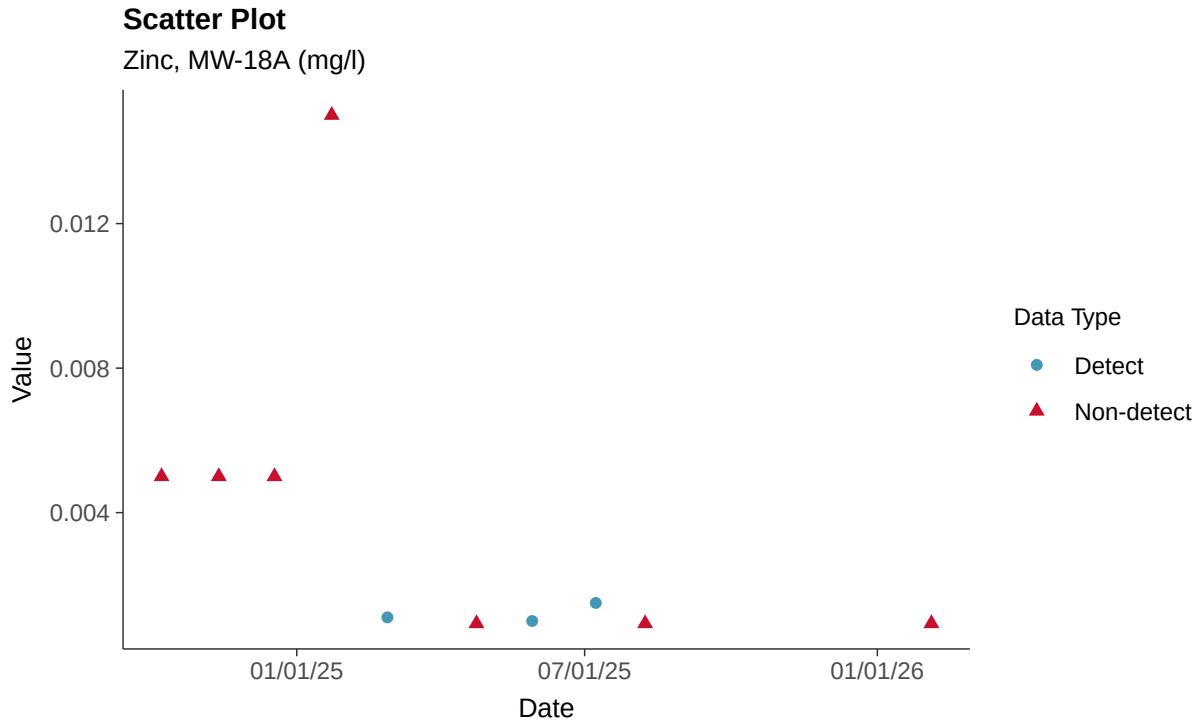
Trend Regression: Piecewise Linear-Linear-Linear

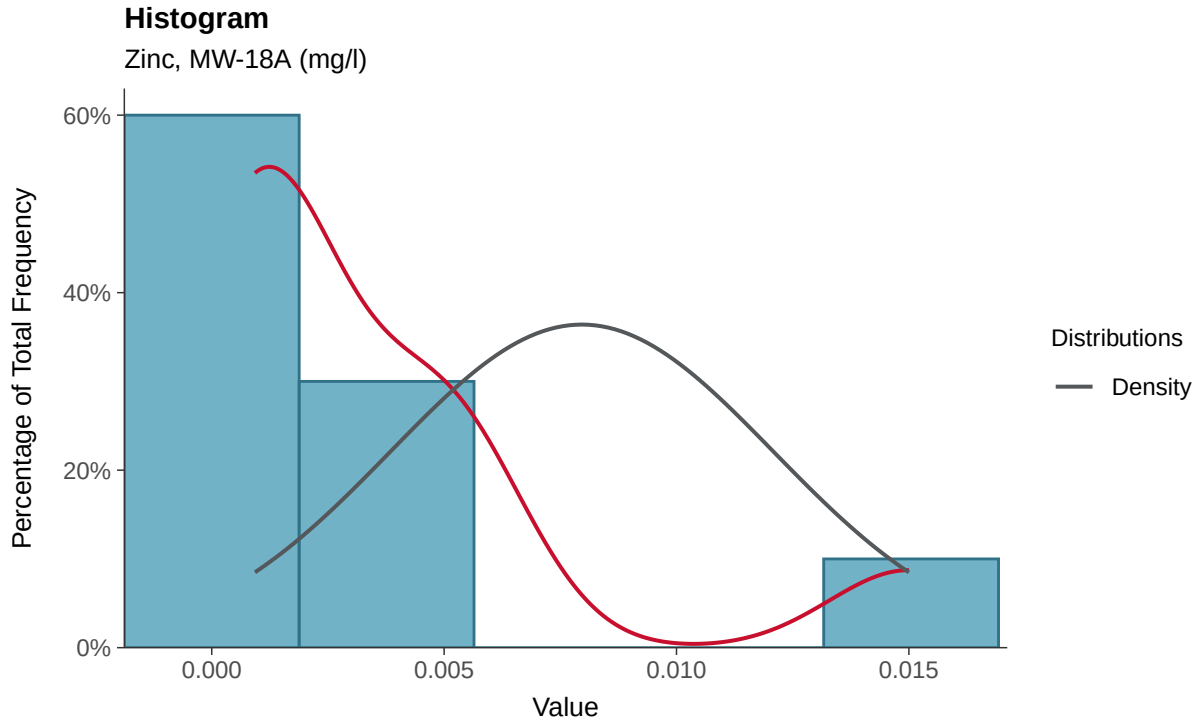
Vanadium, MW-18A (mg/l)



Part 115: Zinc, MW-18A

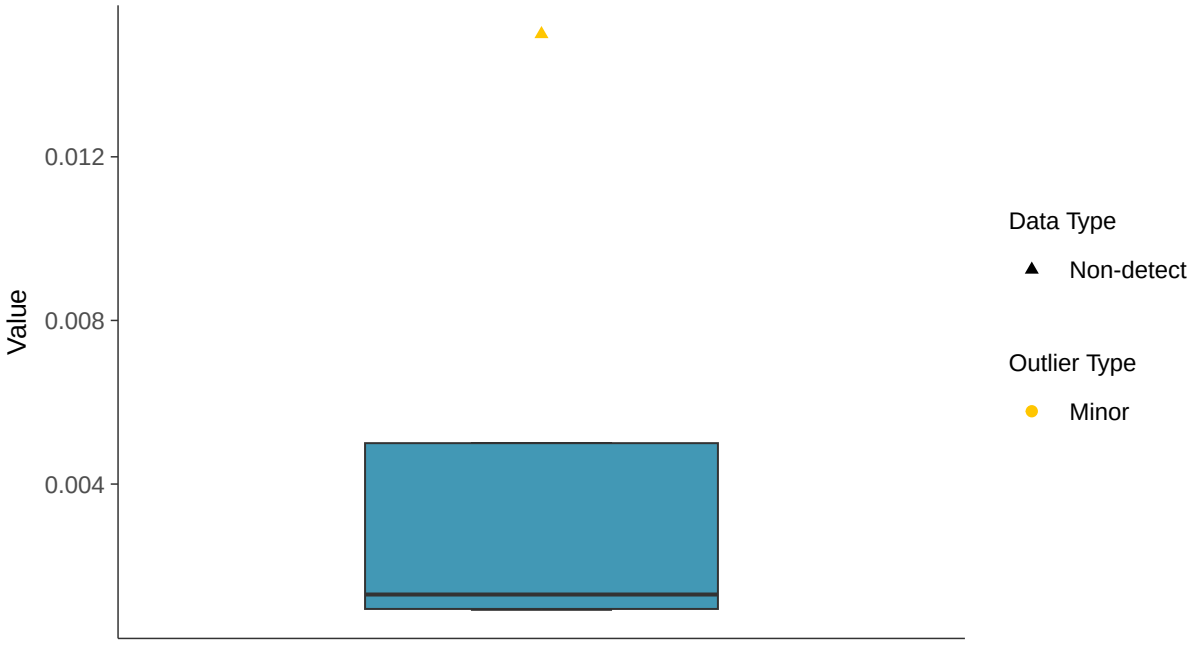
ID: 28_5_129





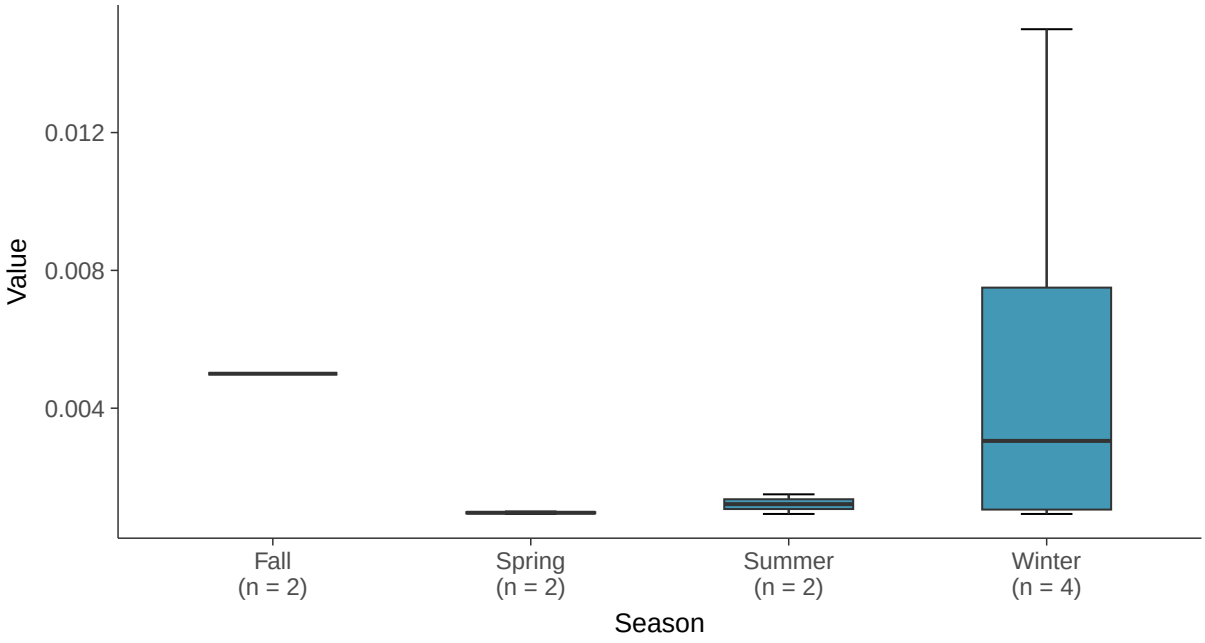
Boxplot

Zinc, MW-18A (mg/l)



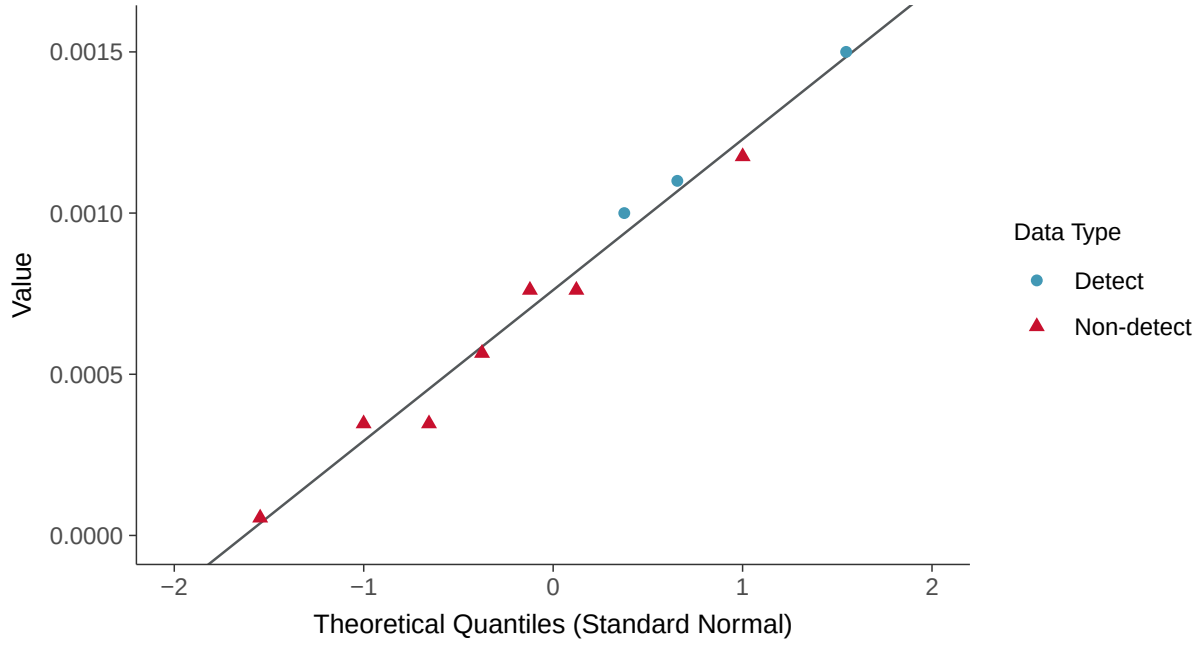
Boxplot by Season

Zinc, MW-18A (mg/l)



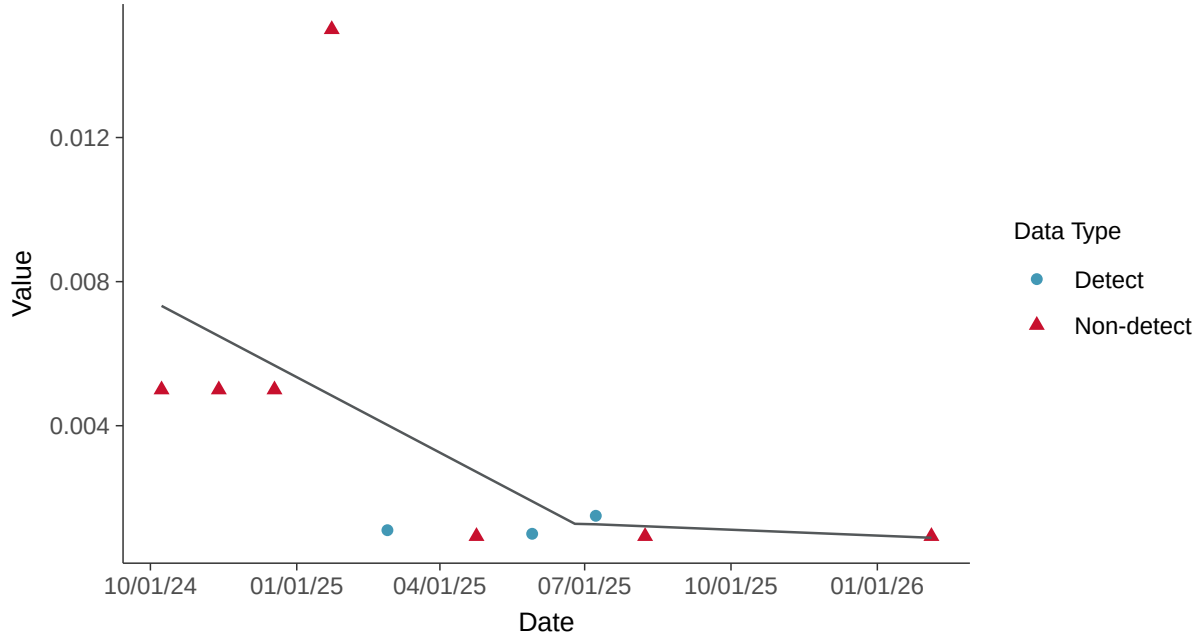
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-18A (mg/l)



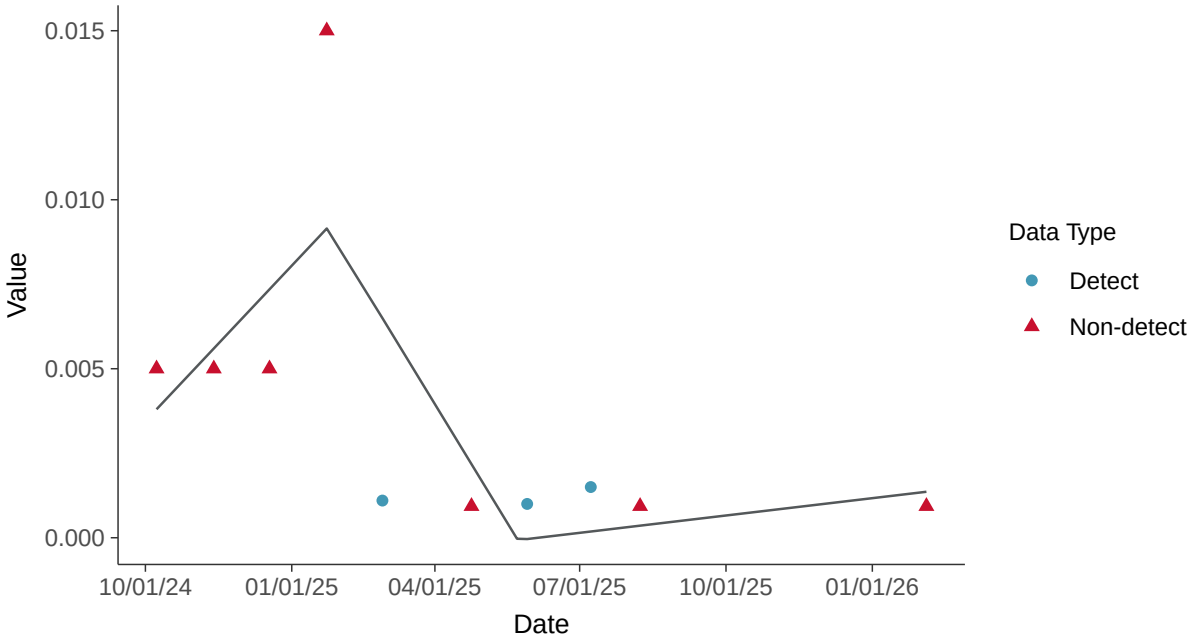
Trend Regression: Piecewise Linear-Linear

Zinc, MW-18A (mg/l)



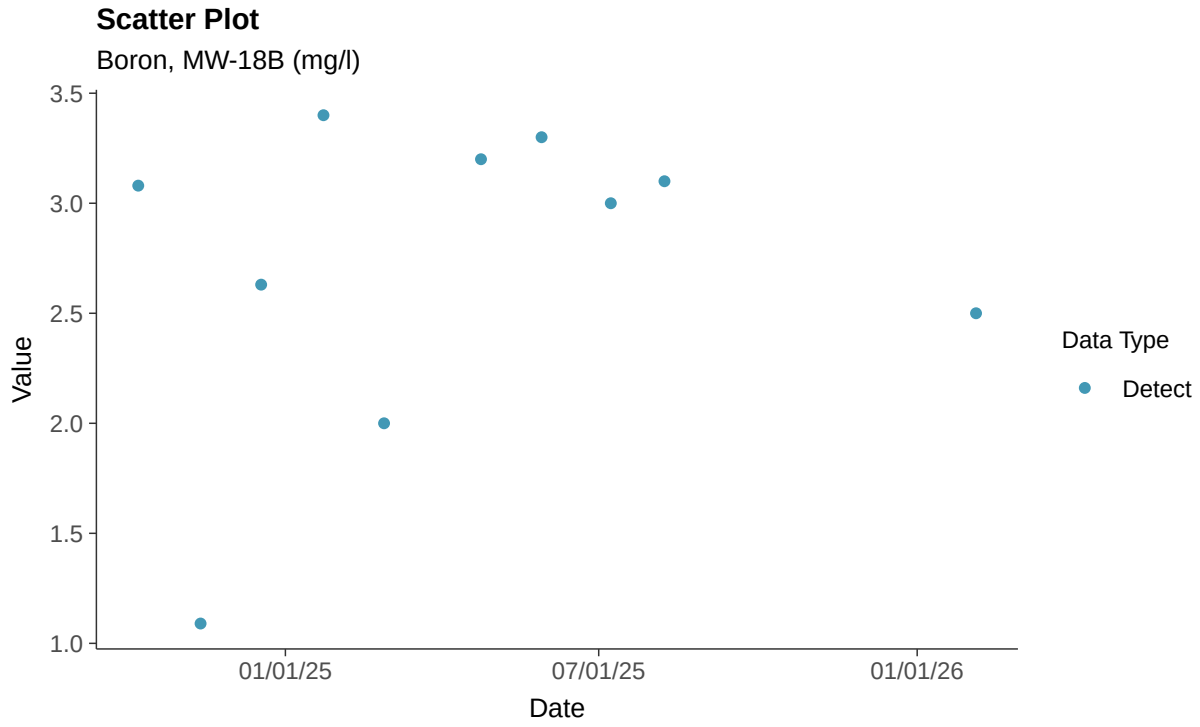
Trend Regression: Piecewise Linear-Linear-Linear

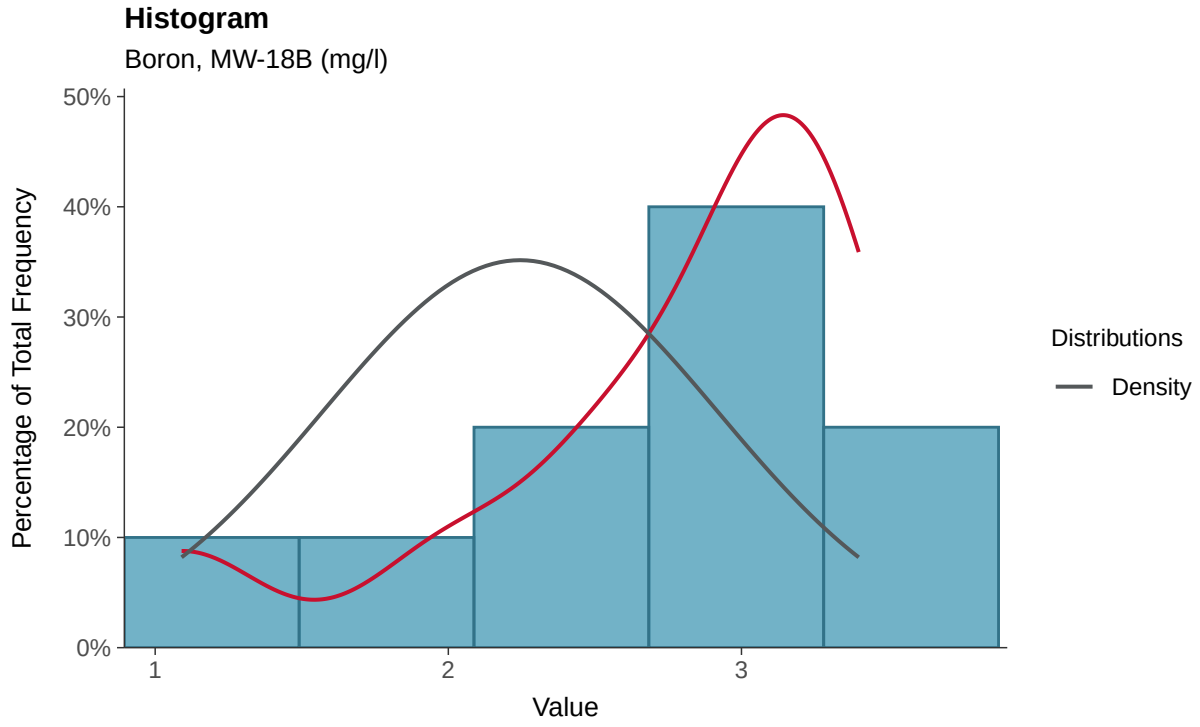
Zinc, MW-18A (mg/l)



Appendix III: Boron, MW-18B

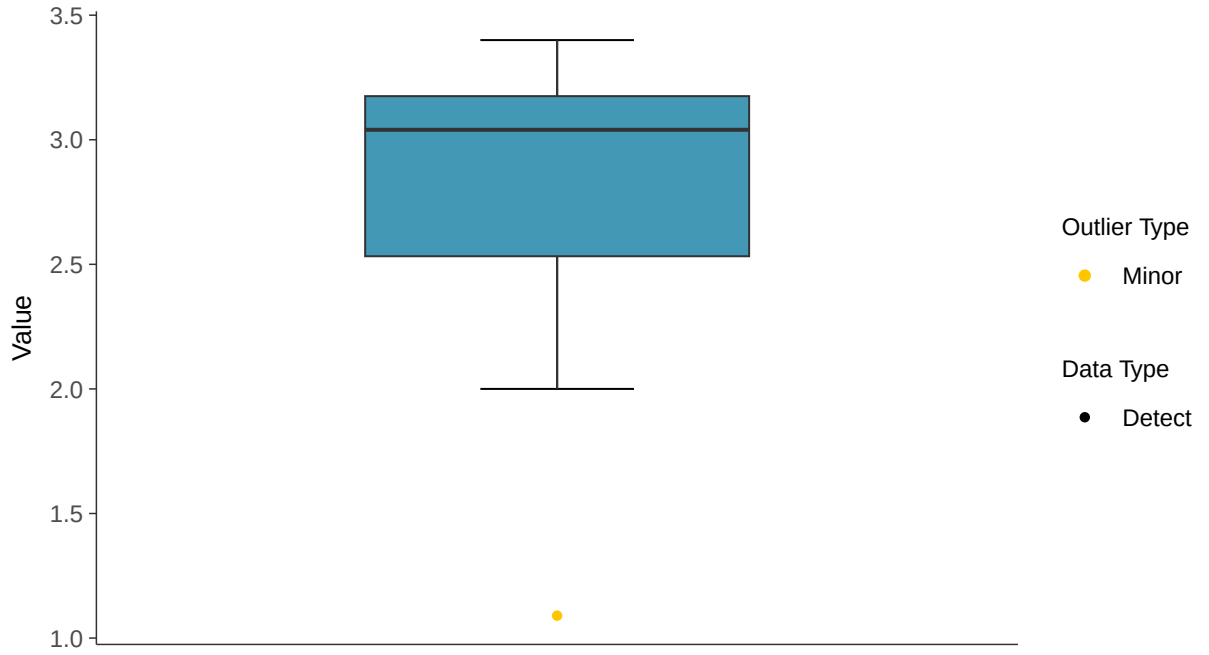
ID: 29_2_105





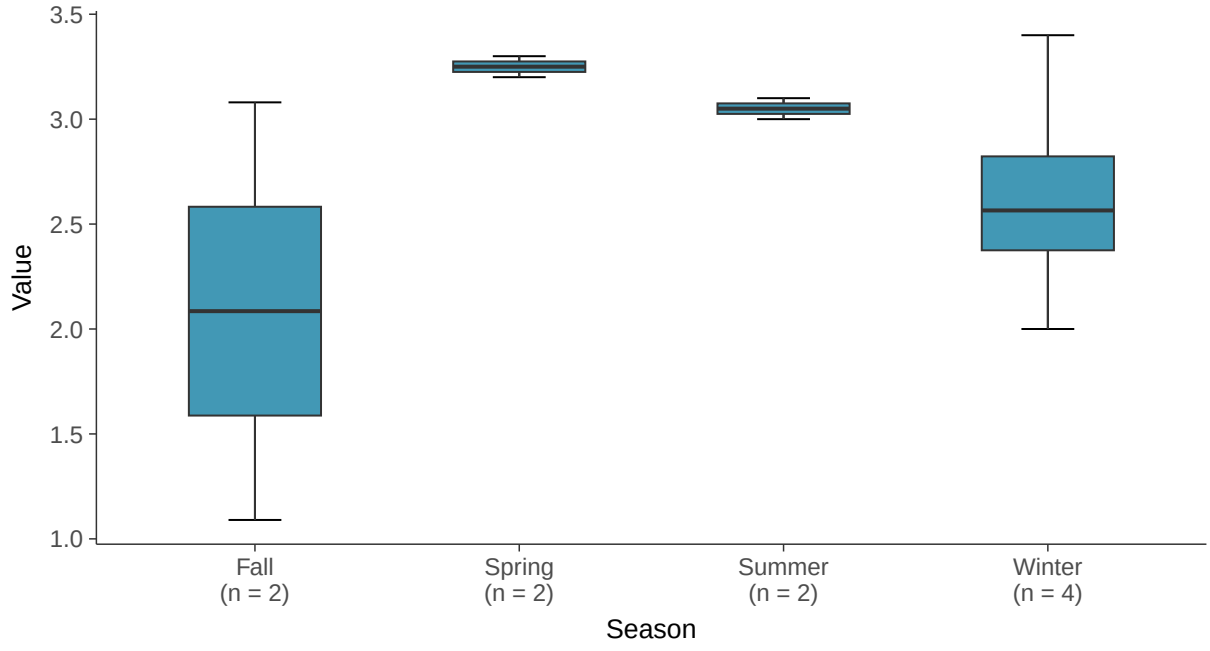
Boxplot

Boron, MW-18B (mg/l)



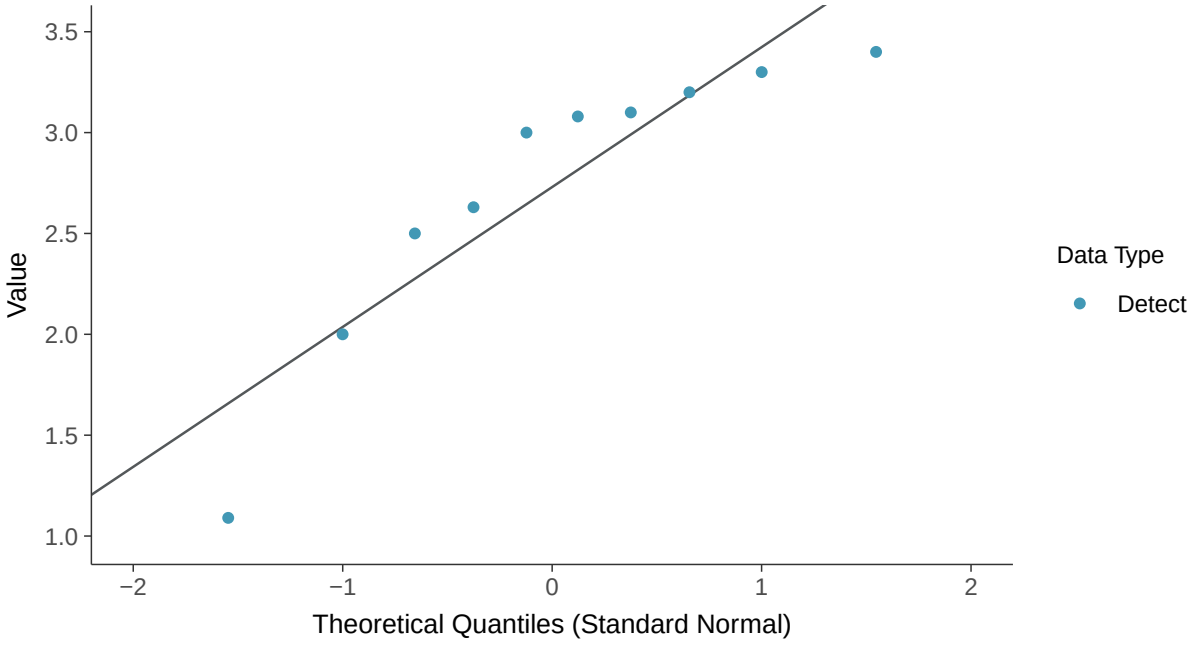
Boxplot by Season

Boron, MW-18B (mg/l)



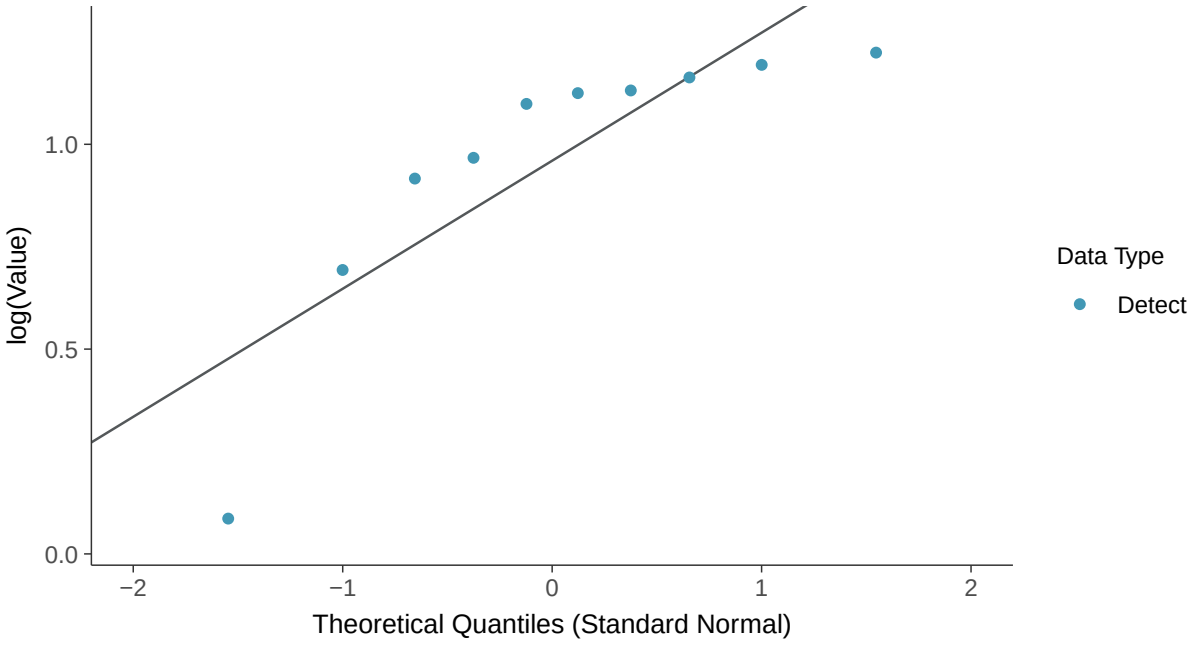
Normal Q-Q plot

Boron, MW-18B (mg/l)



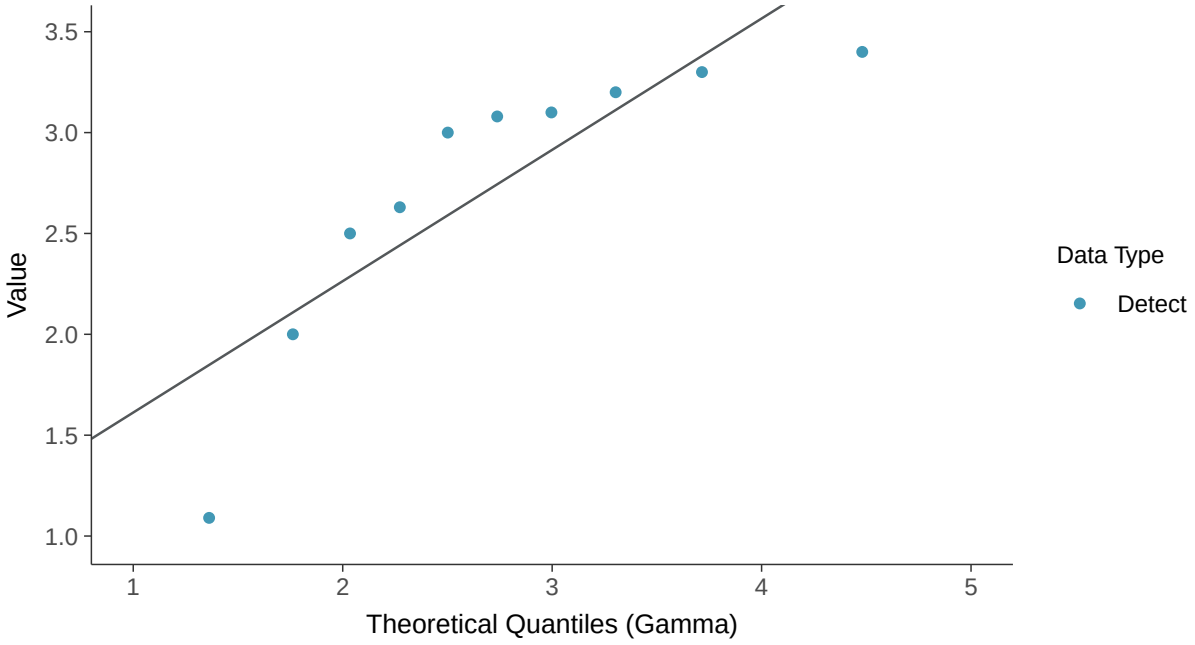
Lognormal Q-Q plot

Boron, MW-18B (mg/l)



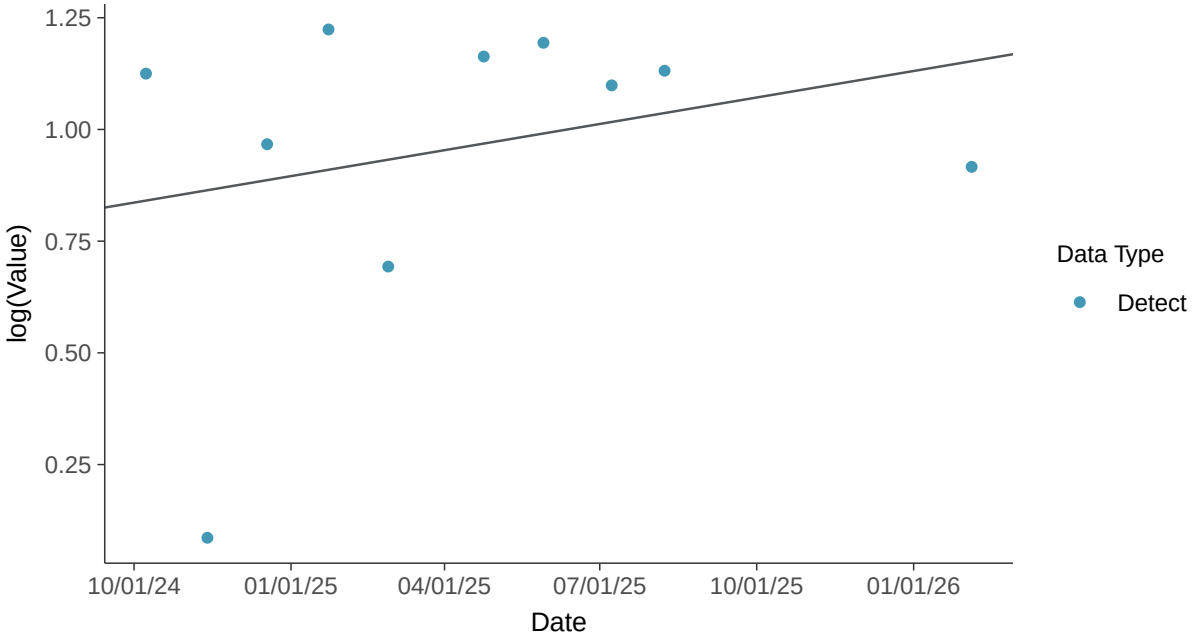
Gamma Q-Q plot

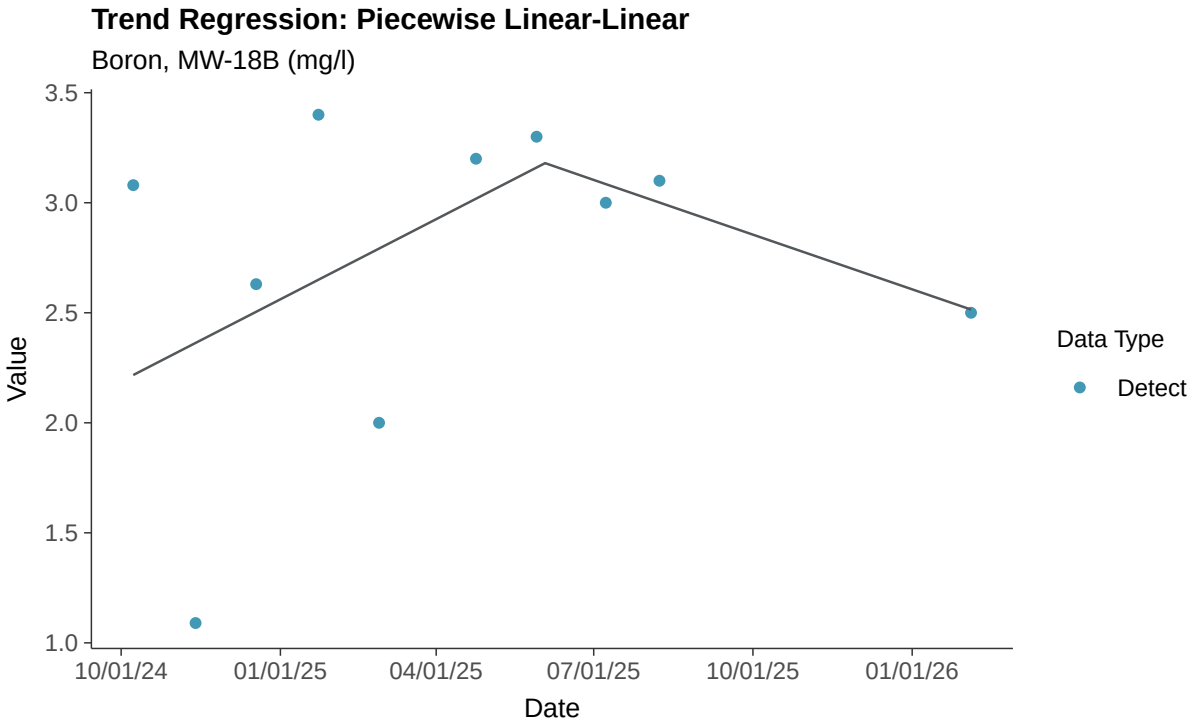
Boron, MW-18B (mg/l)



Trend Regression: Lognormal MLE

Boron, MW-18B (mg/l)



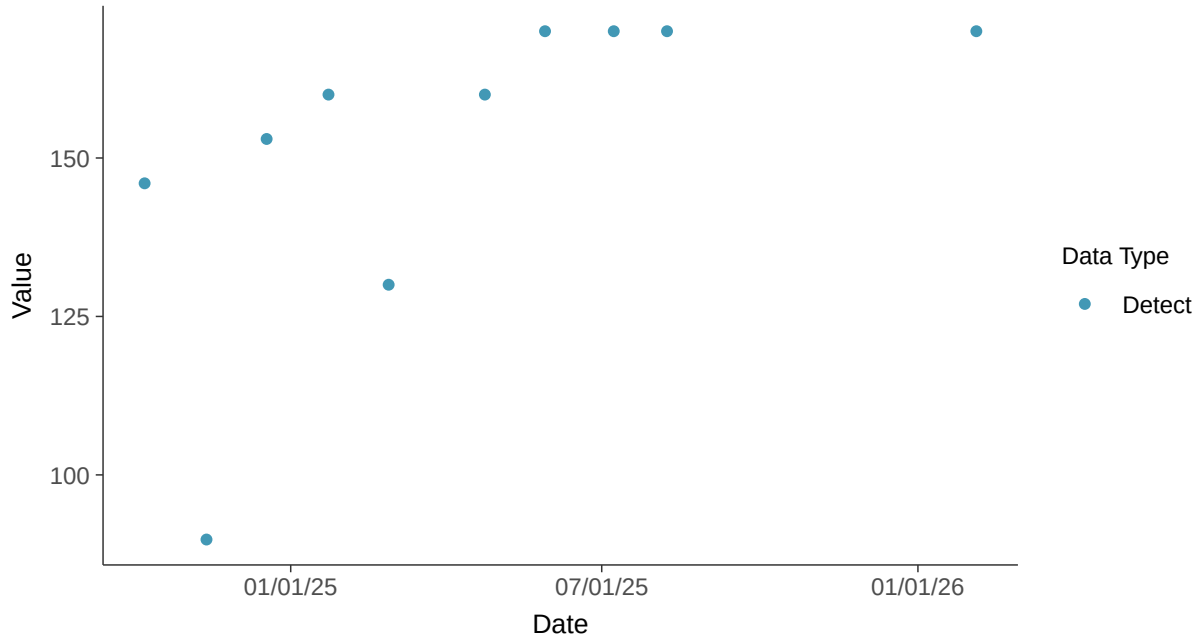

Trend Regression: Piecewise Linear-Linear
Boron, MW-18B (mg/l)
Value
3.5
3.0
2.5
2.0
1.5
1.0
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Calcium, MW-18B

ID: 29_2_107

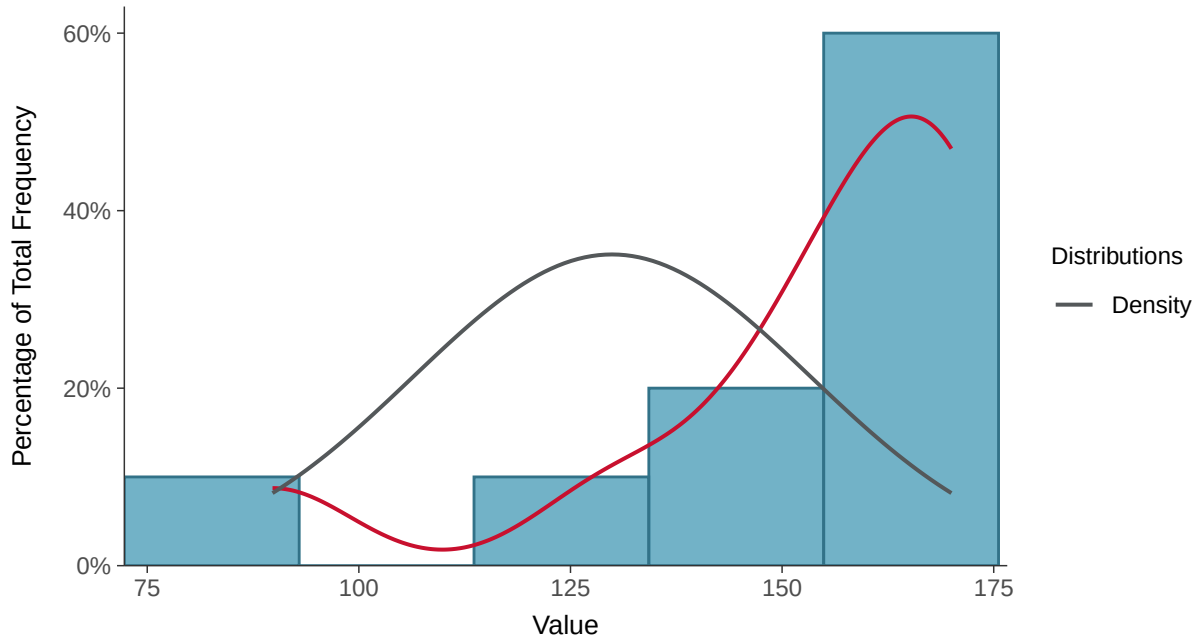
Scatter Plot

Calcium, MW-18B (mg/l)



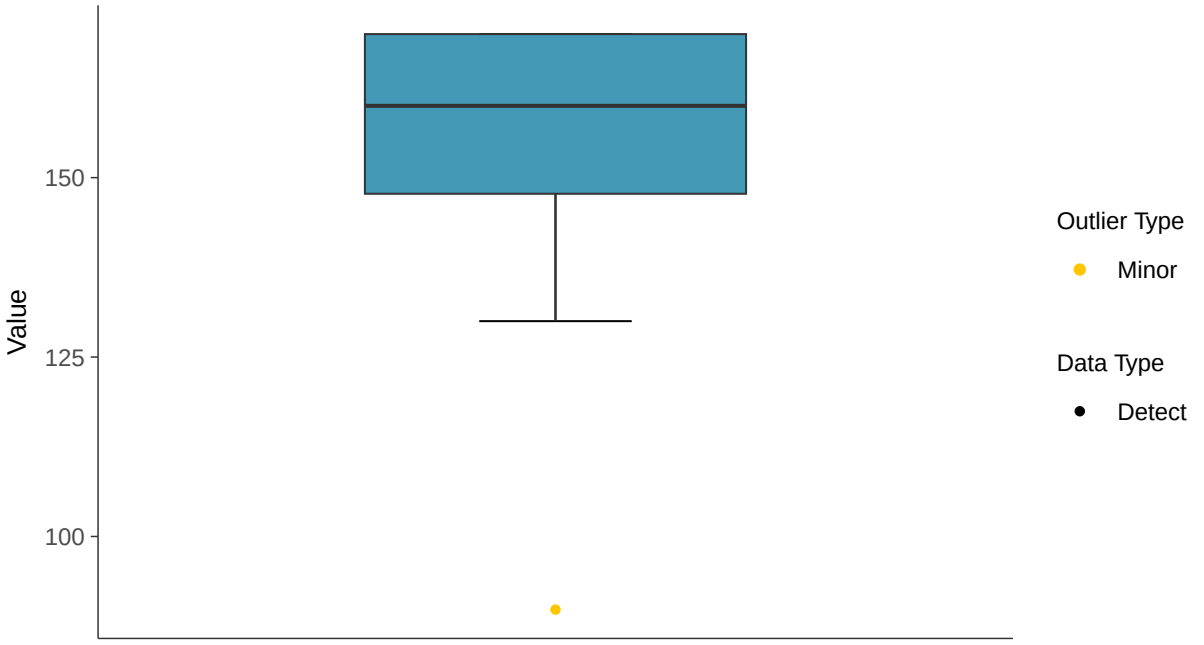
Histogram

Calcium, MW-18B (mg/l)



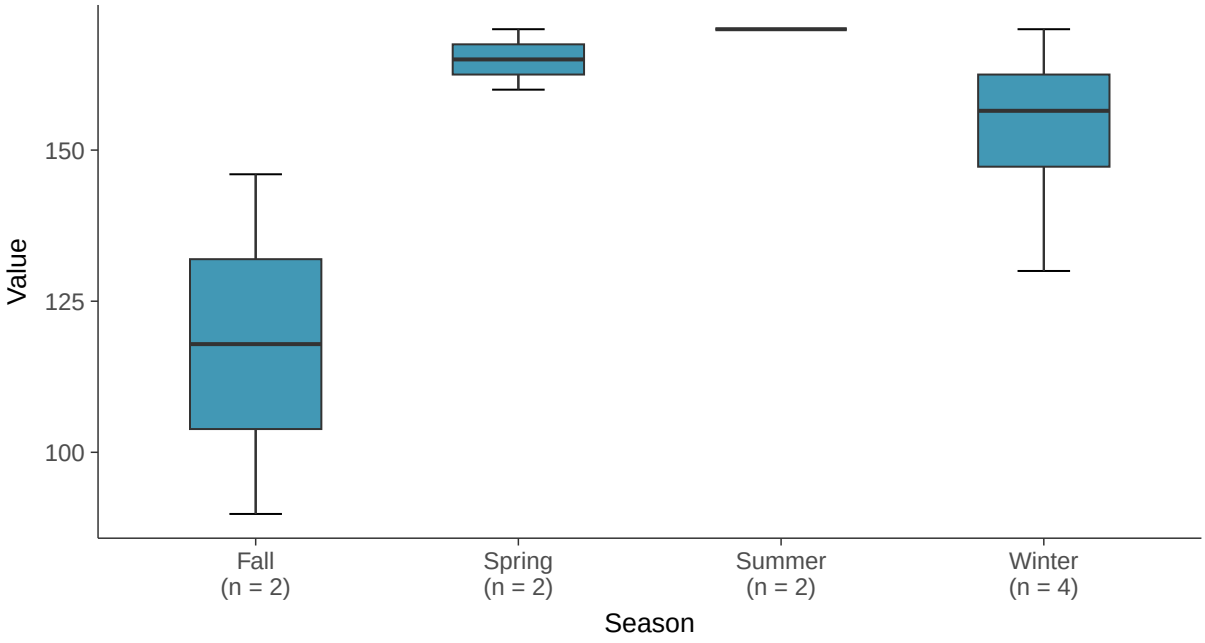
Boxplot

Calcium, MW-18B (mg/l)



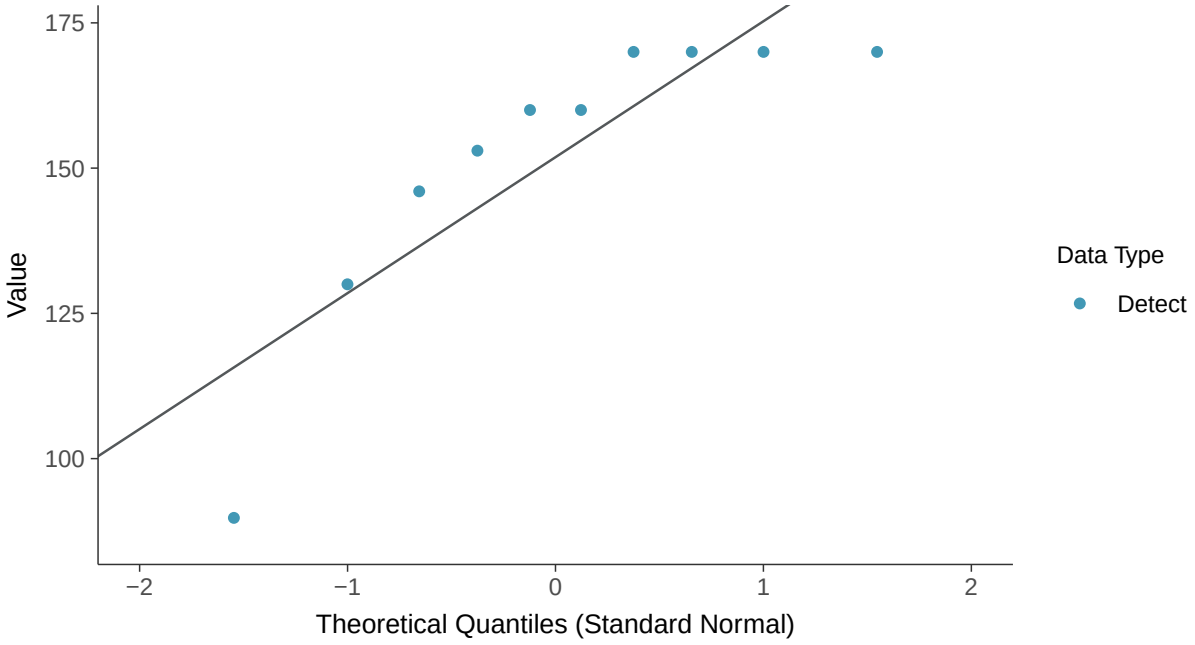
Boxplot by Season

Calcium, MW-18B (mg/l)



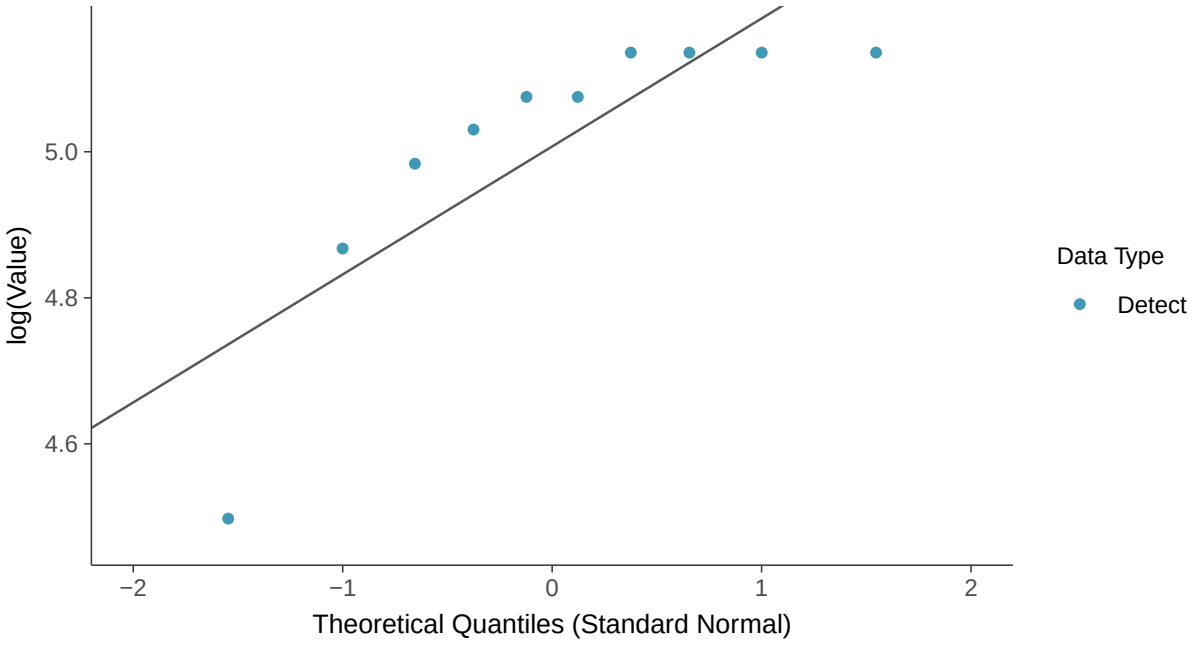
Normal Q-Q plot

Calcium, MW-18B (mg/l)



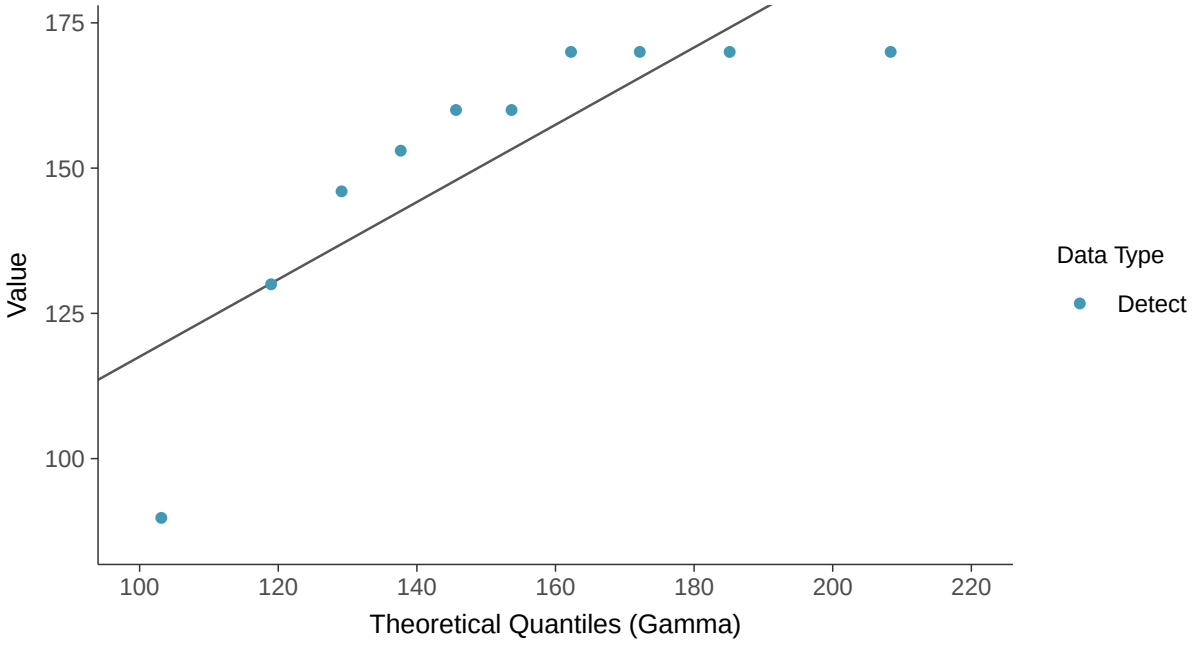
Lognormal Q-Q plot

Calcium, MW-18B (mg/l)



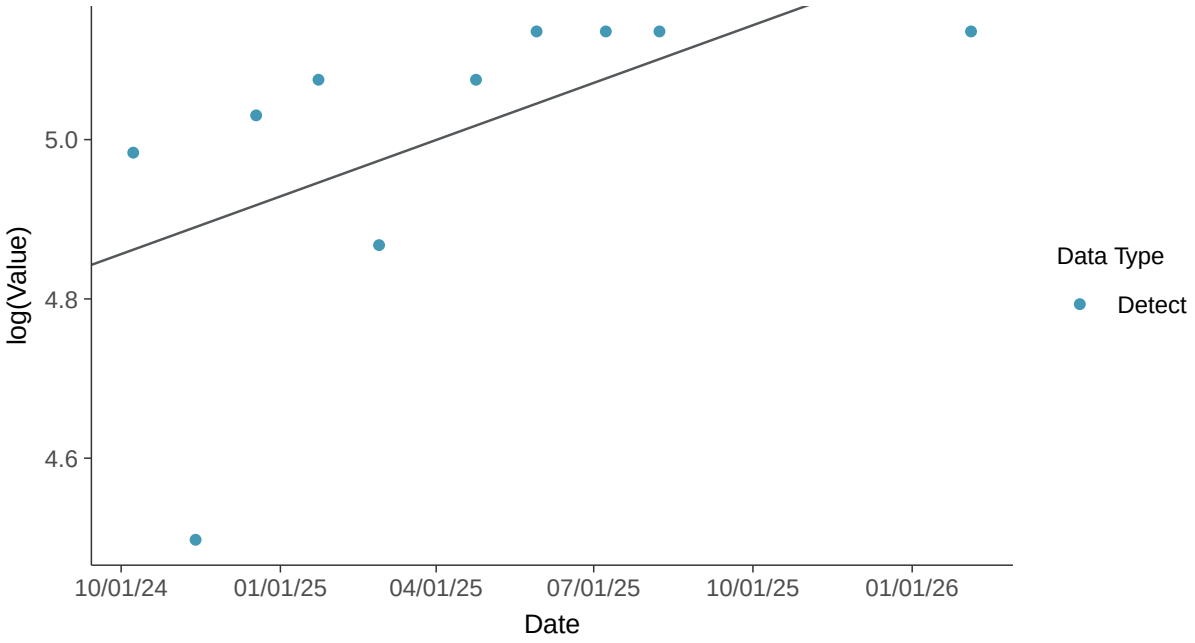
Gamma Q-Q plot

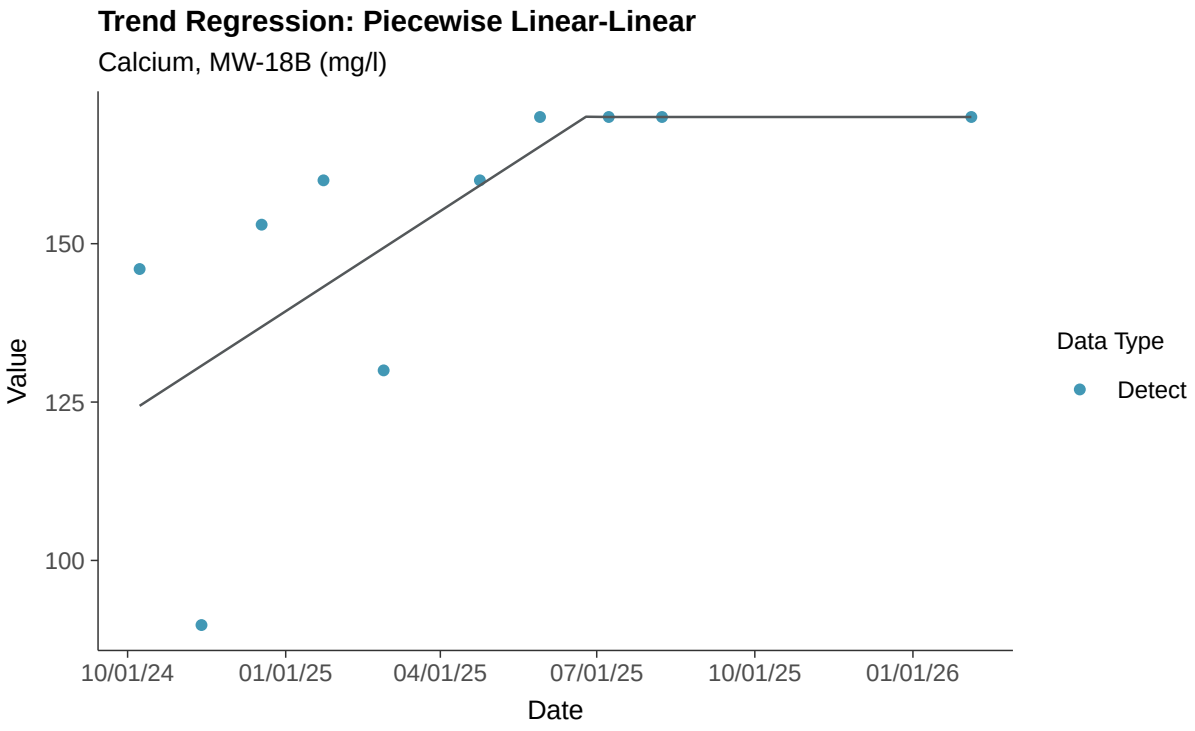
Calcium, MW-18B (mg/l)



Trend Regression: Lognormal MLE

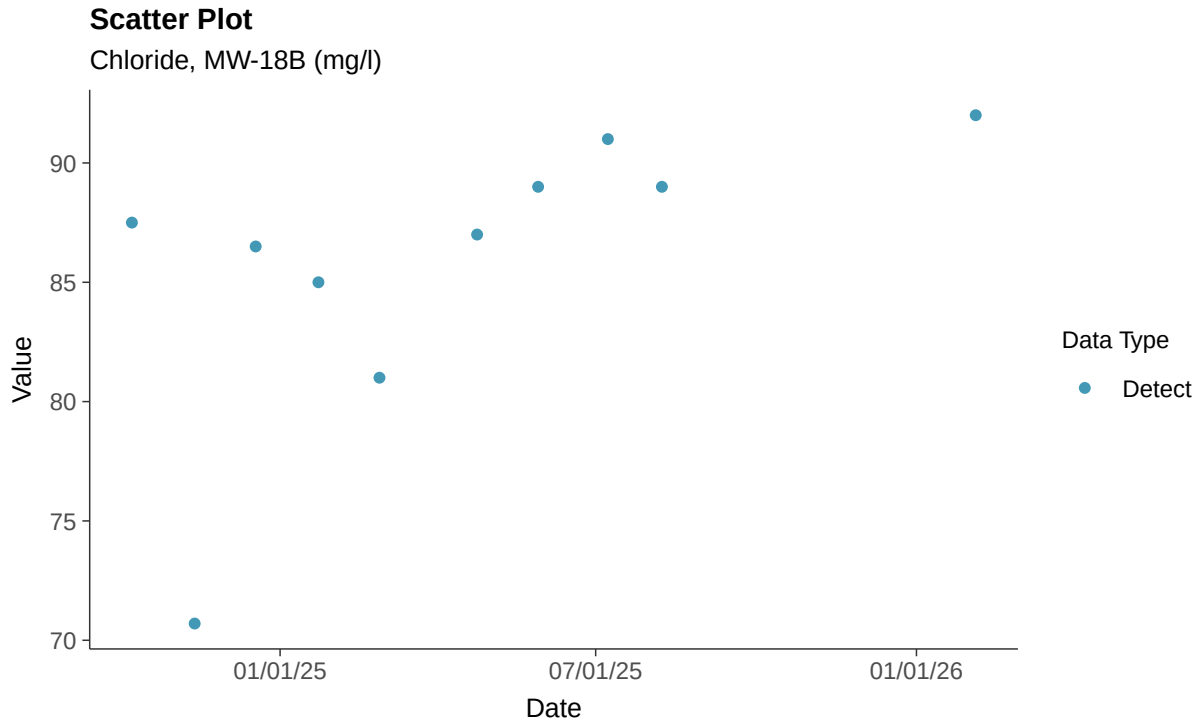
Calcium, MW-18B (mg/l)

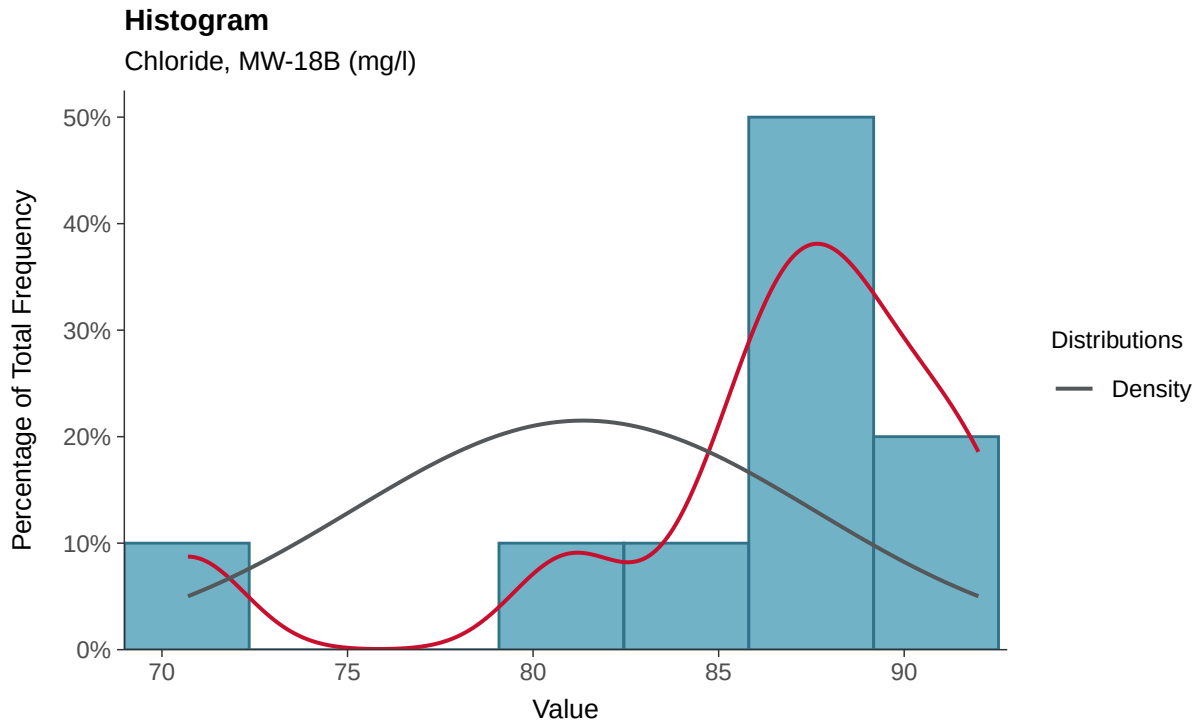



Trend Regression: Piecewise Linear-Linear
Calcium, MW-18B (mg/l)
Value
150
125
100
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Chloride, MW-18B

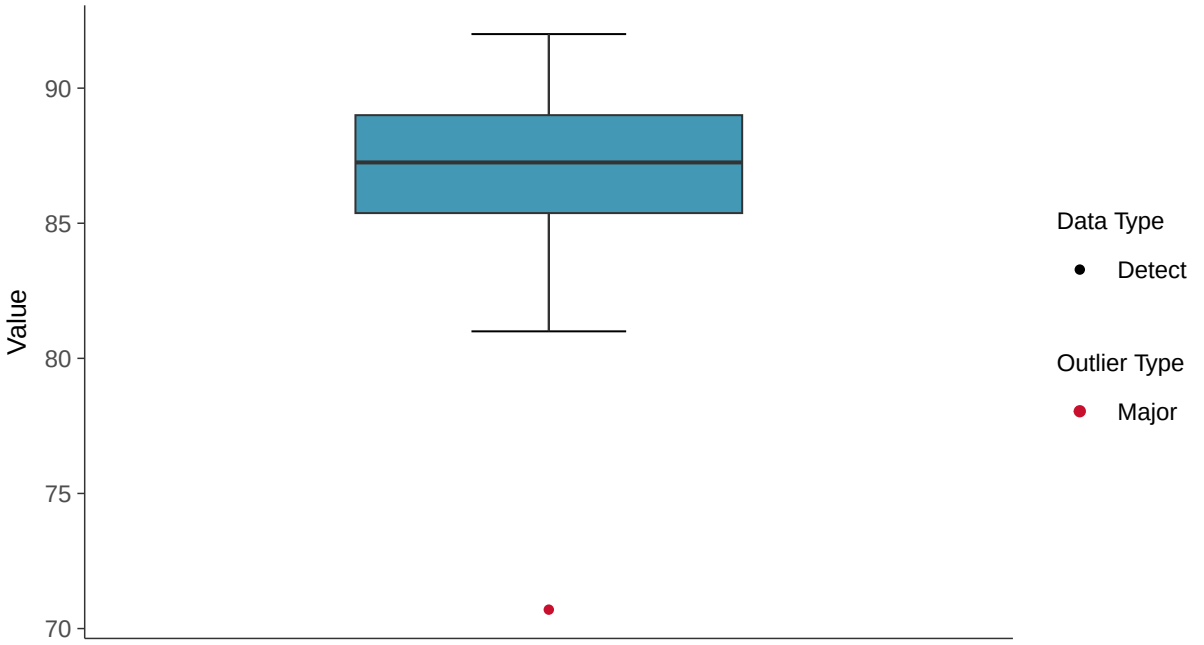
ID: 29_2_108





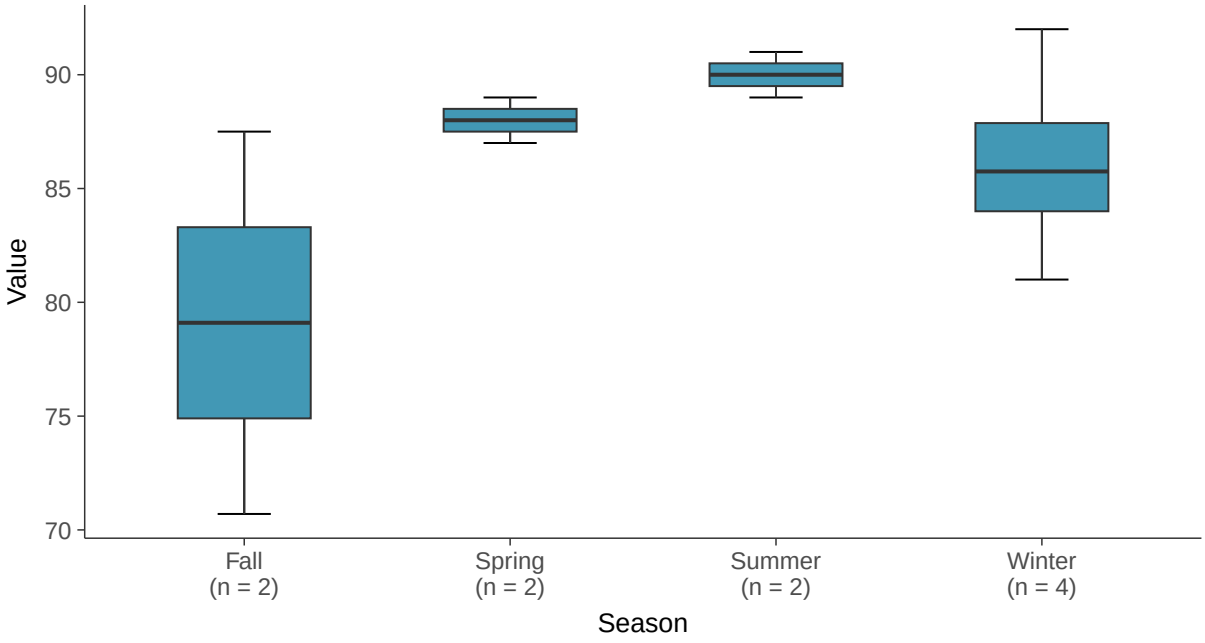
Boxplot

Chloride, MW-18B (mg/l)



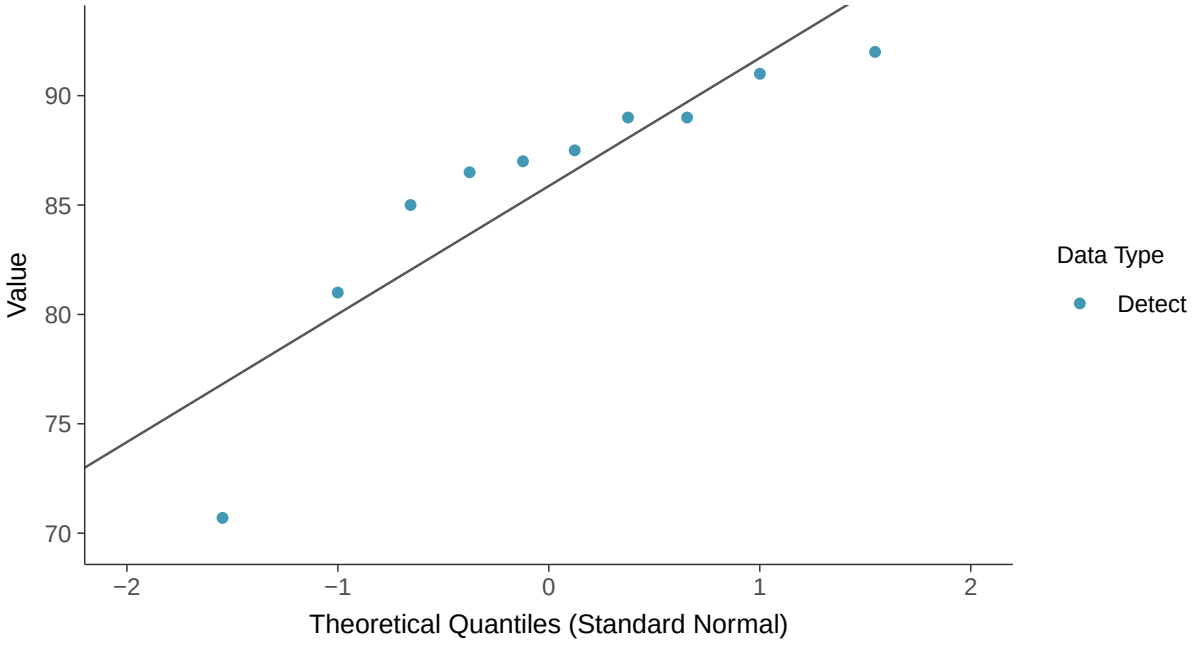
Boxplot by Season

Chloride, MW-18B (mg/l)



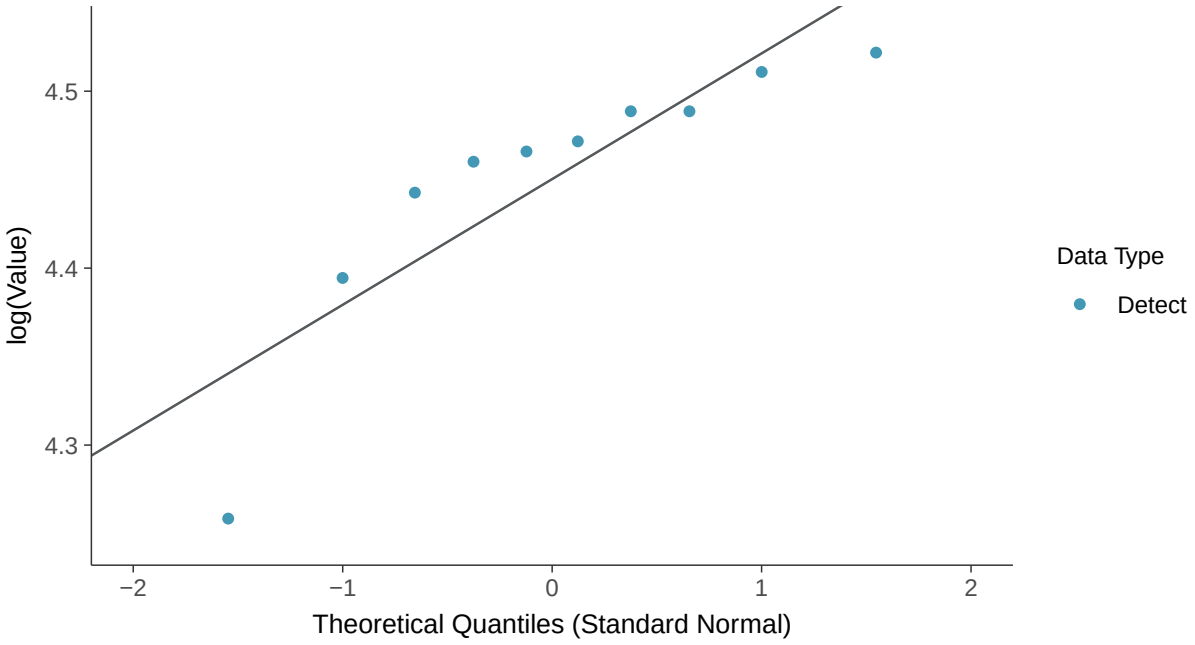
Normal Q-Q plot

Chloride, MW-18B (mg/l)



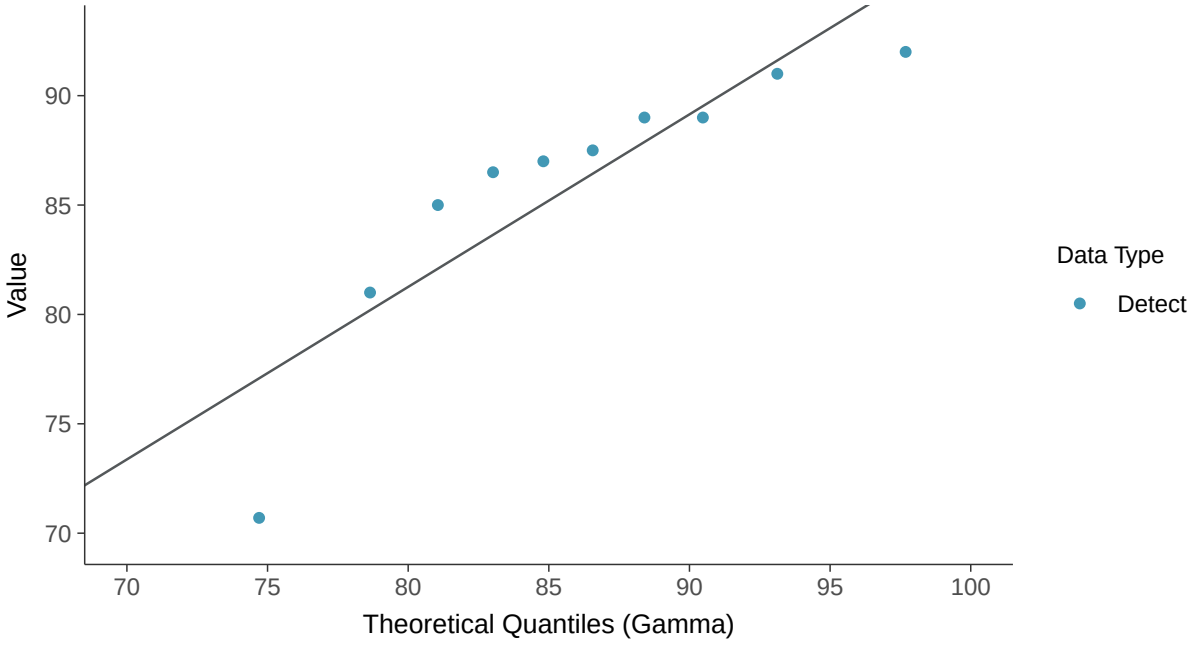
Lognormal Q-Q plot

Chloride, MW-18B (mg/l)



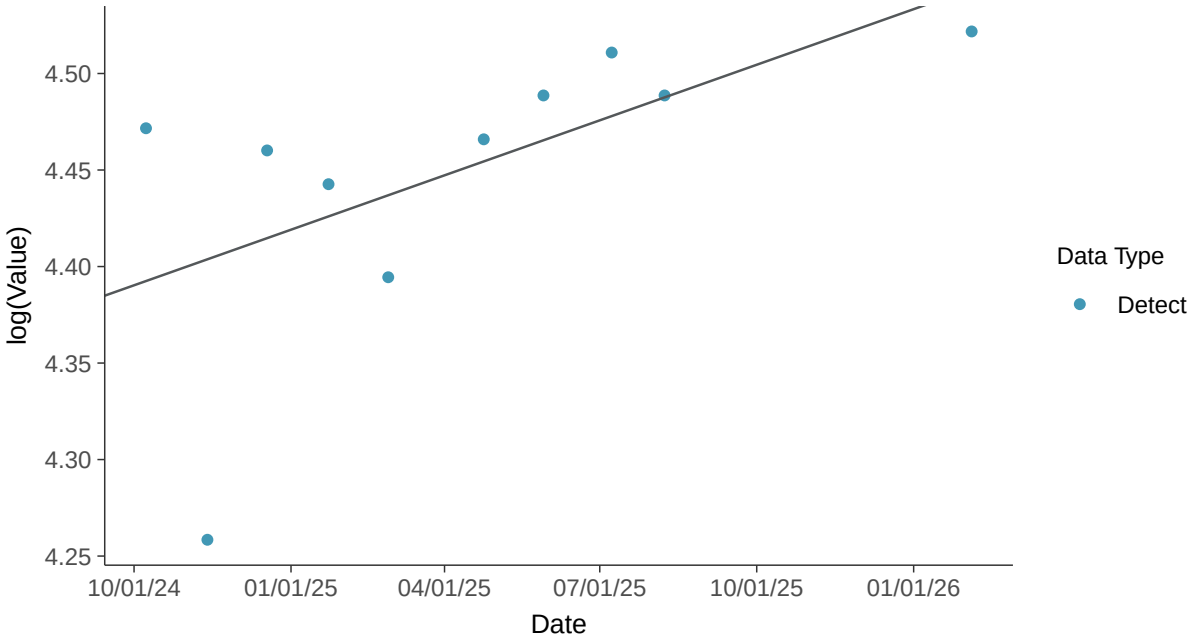
Gamma Q-Q plot

Chloride, MW-18B (mg/l)



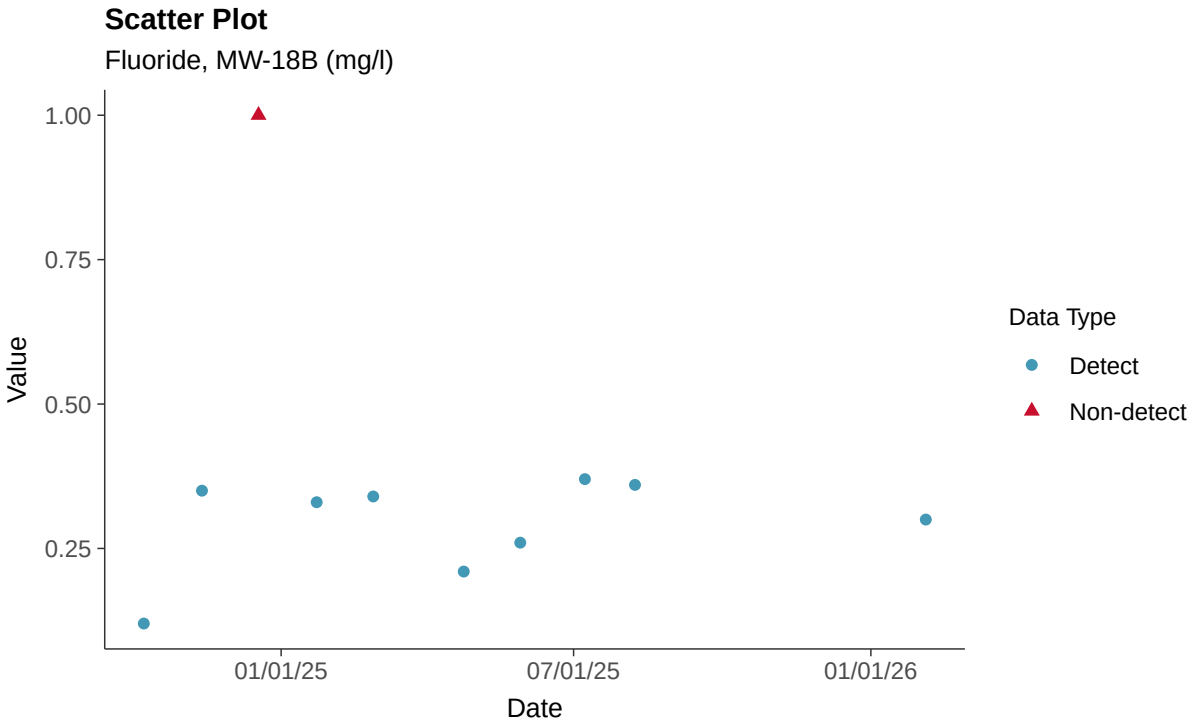
Trend Regression: Lognormal MLE

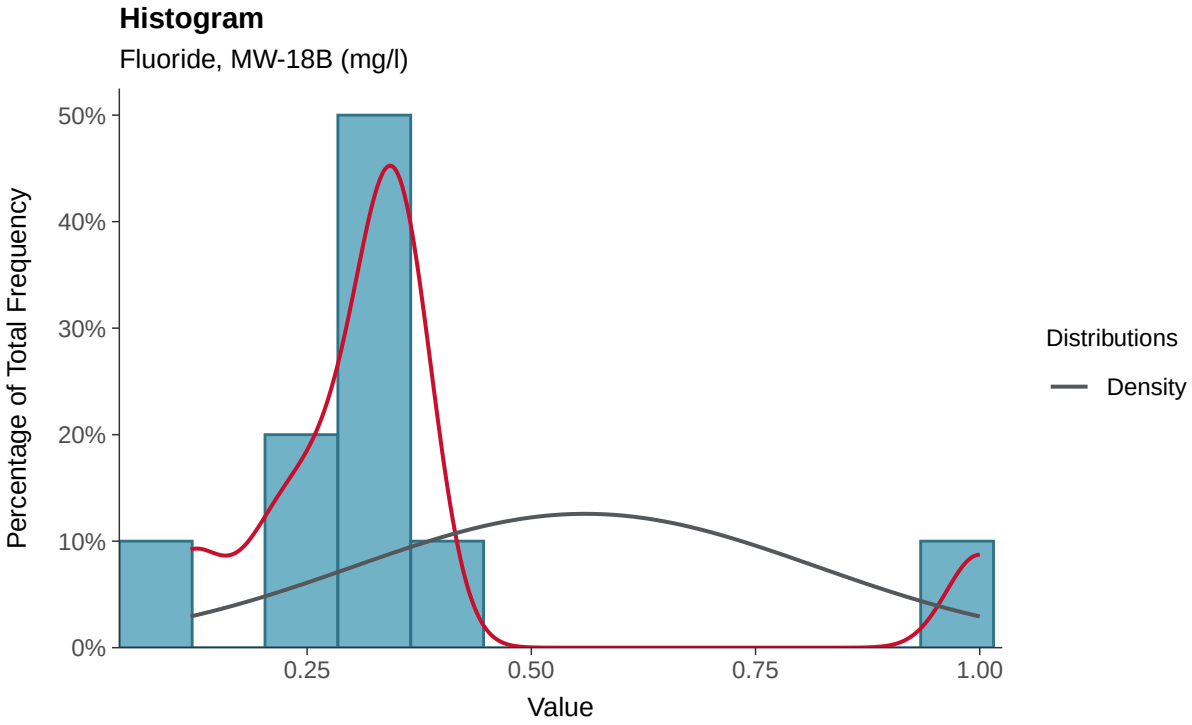
Chloride, MW-18B (mg/l)



Appendix III: Fluoride, MW-18B

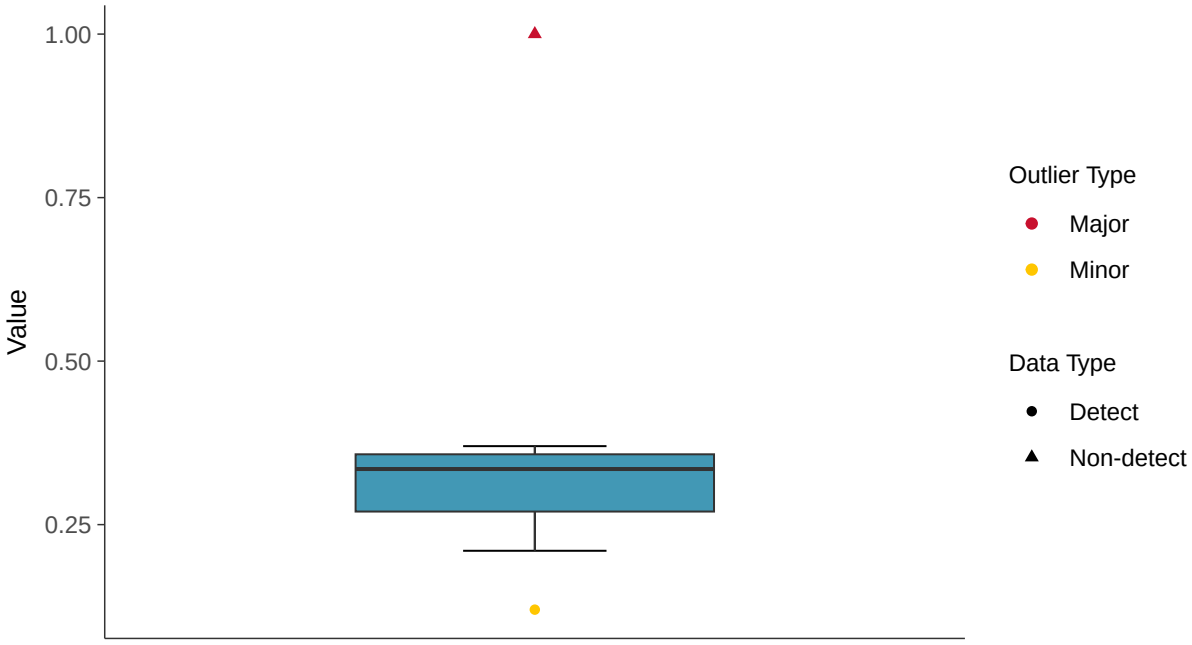
ID: 29_2_112





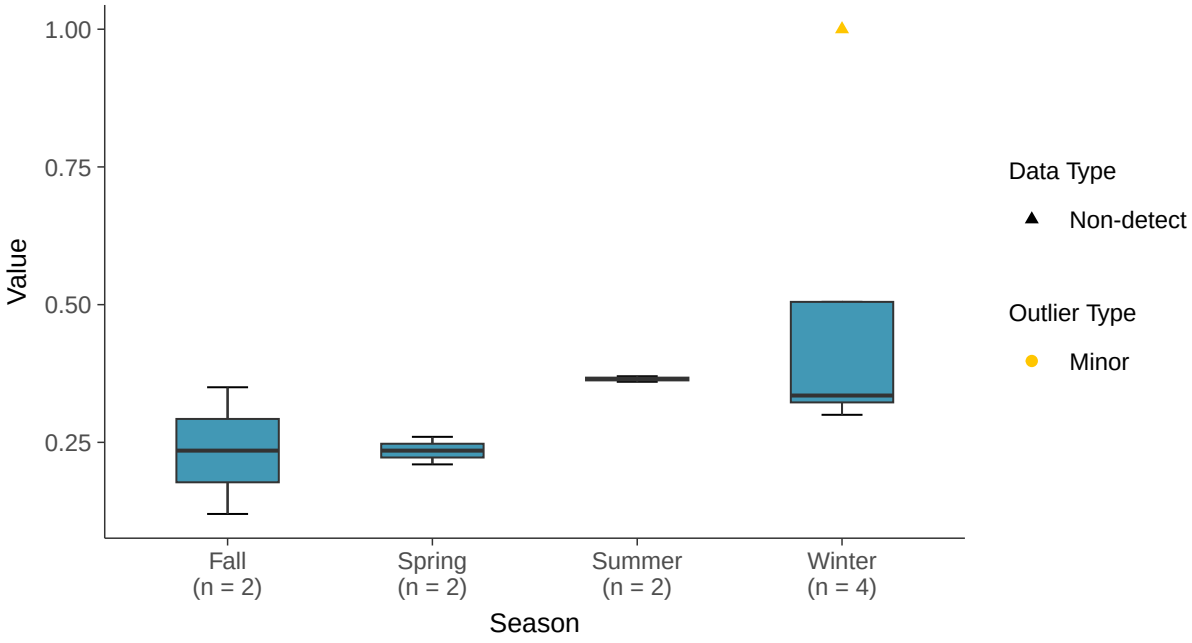
Boxplot

Fluoride, MW-18B (mg/l)



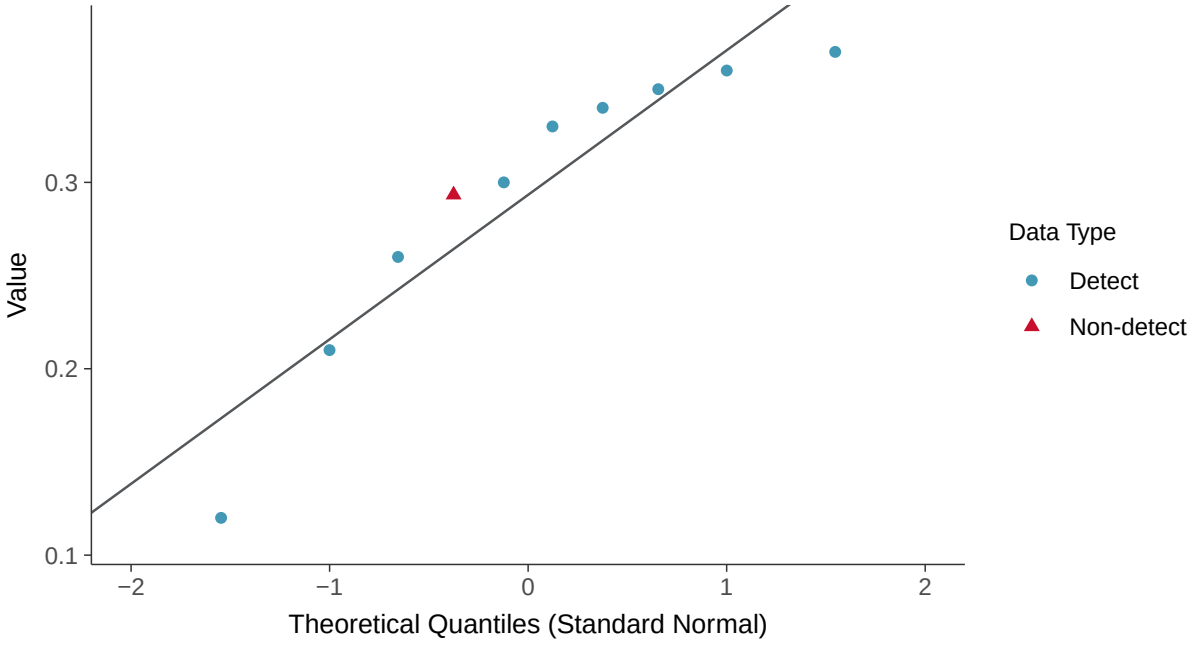
Boxplot by Season

Fluoride, MW-18B (mg/l)



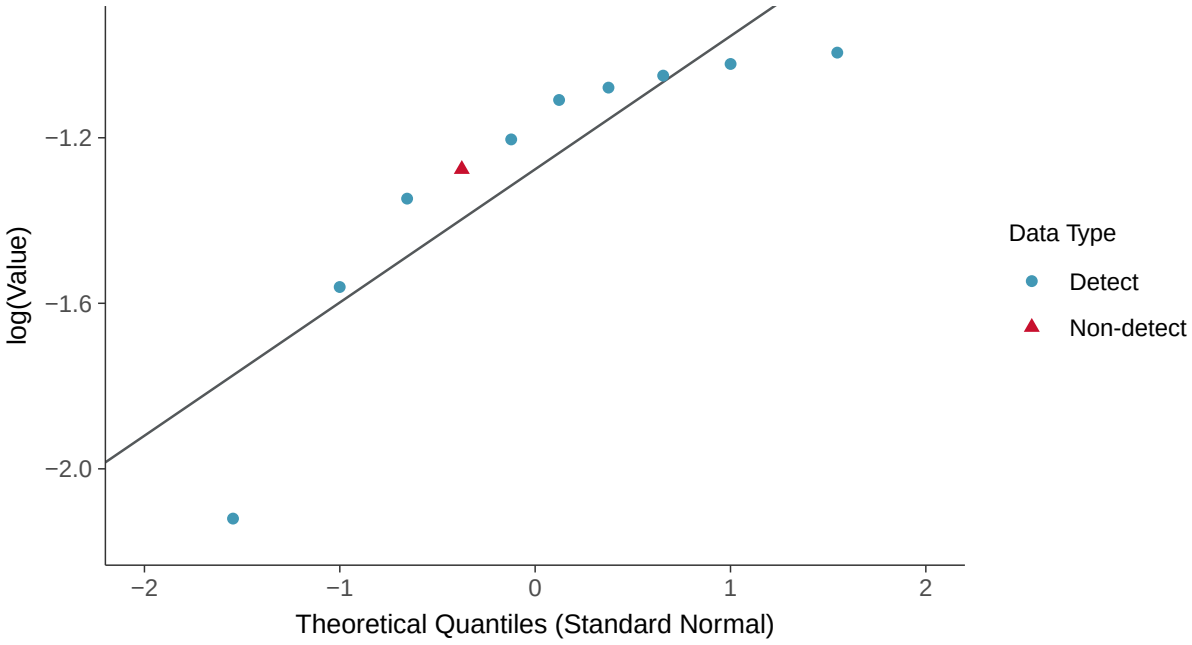
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-18B (mg/l)



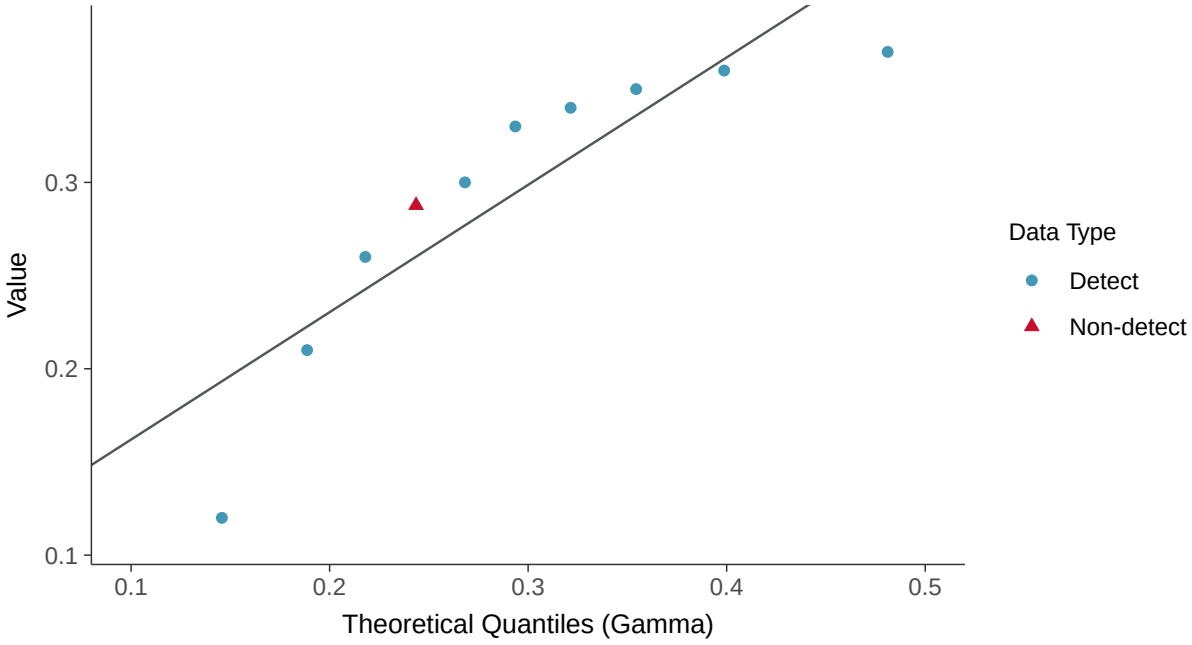
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-18B (mg/l)



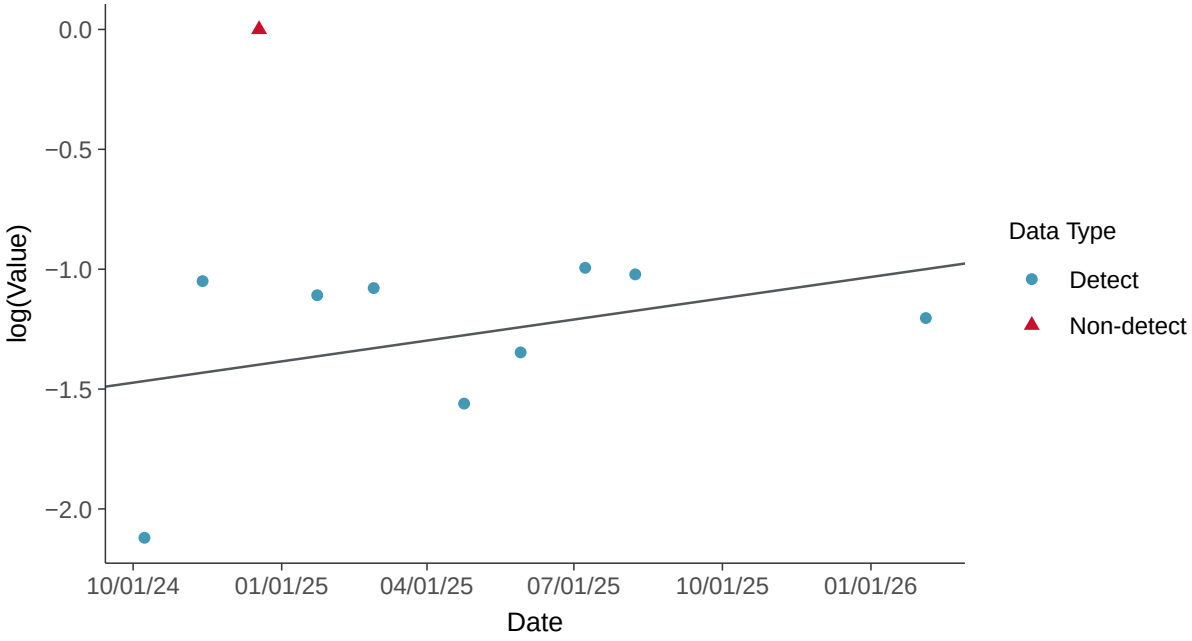
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride, MW-18B (mg/l)



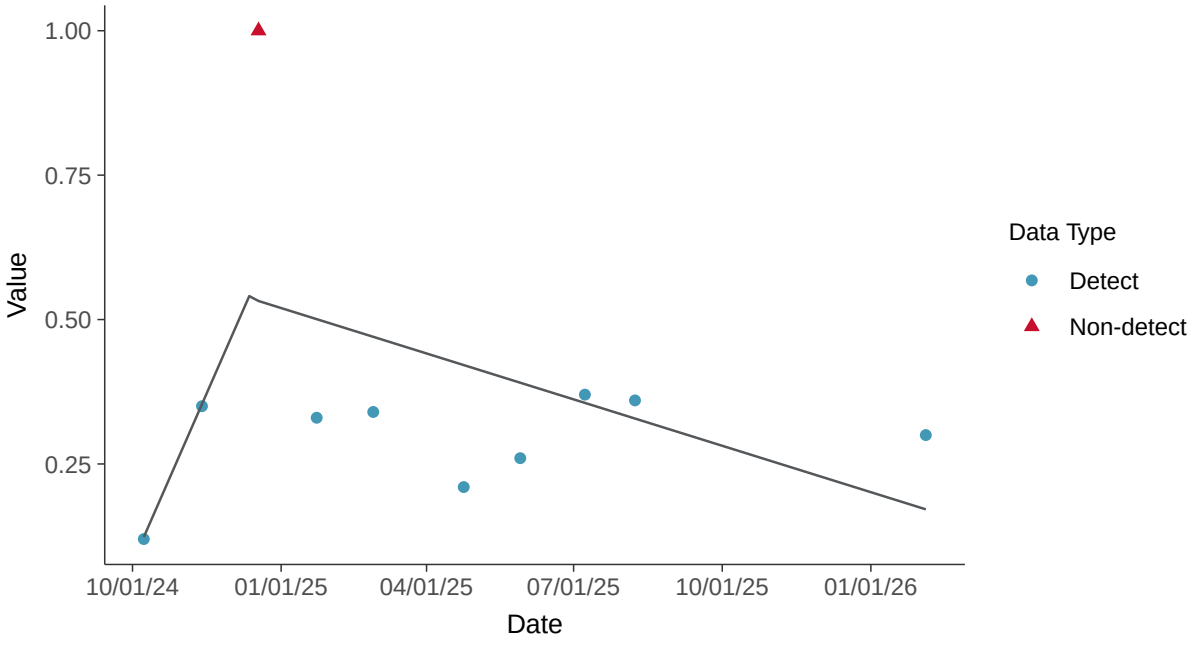
Trend Regression: Lognormal MLE

Fluoride, MW-18B (mg/l)



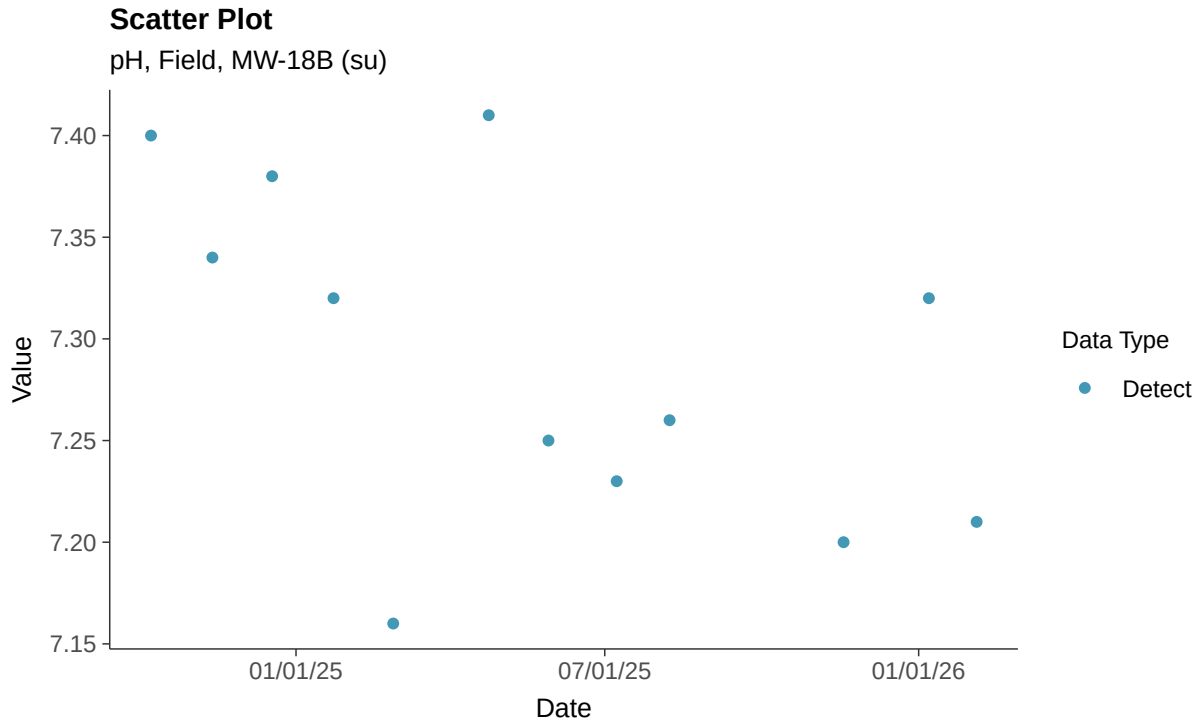
Trend Regression: Piecewise Linear-Linear

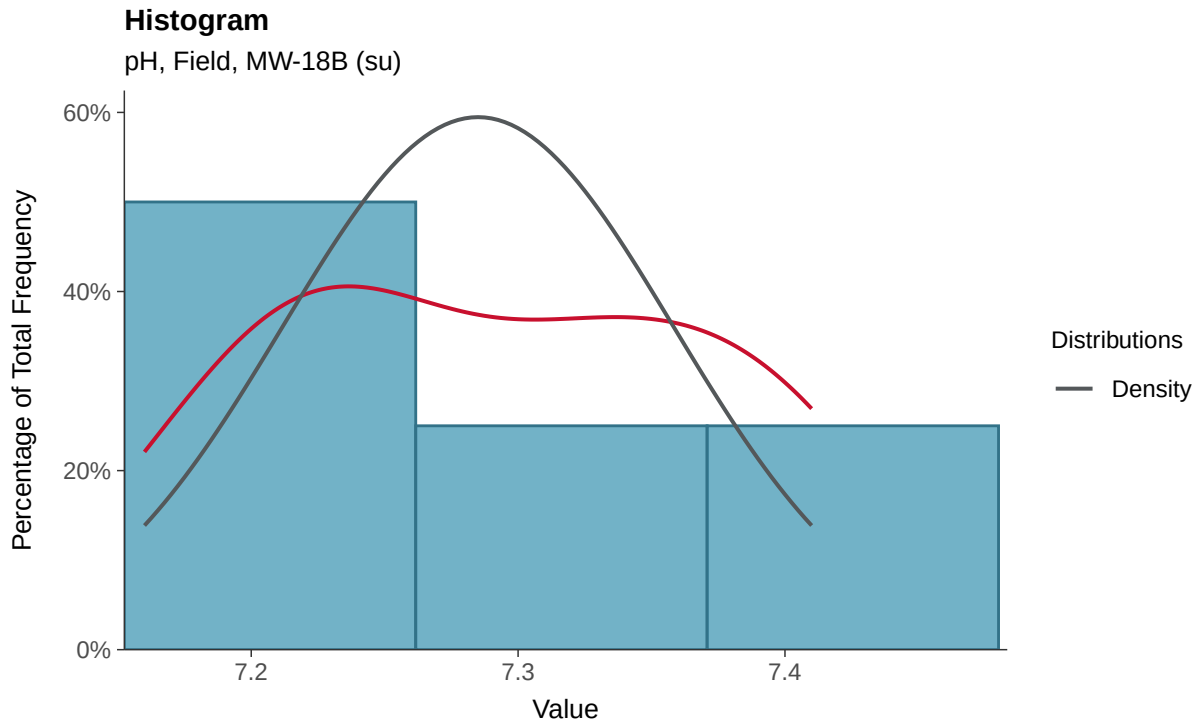
Fluoride, MW-18B (mg/l)



Appendix III: pH, Field, MW-18B

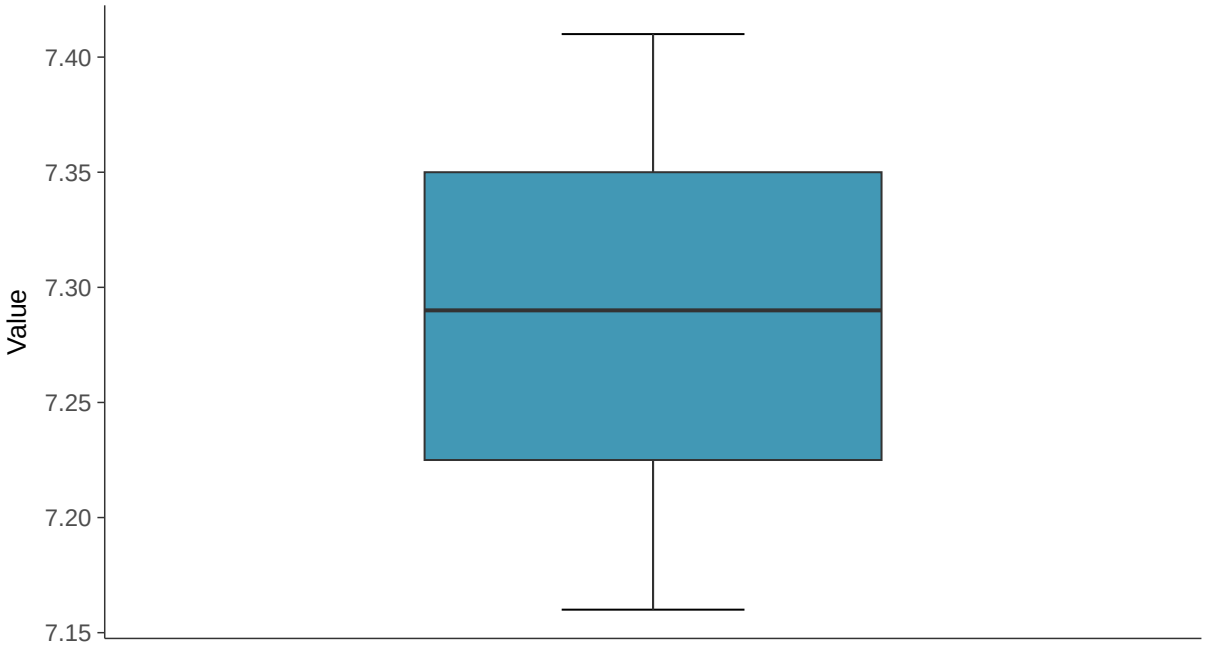
ID: 29_2_120





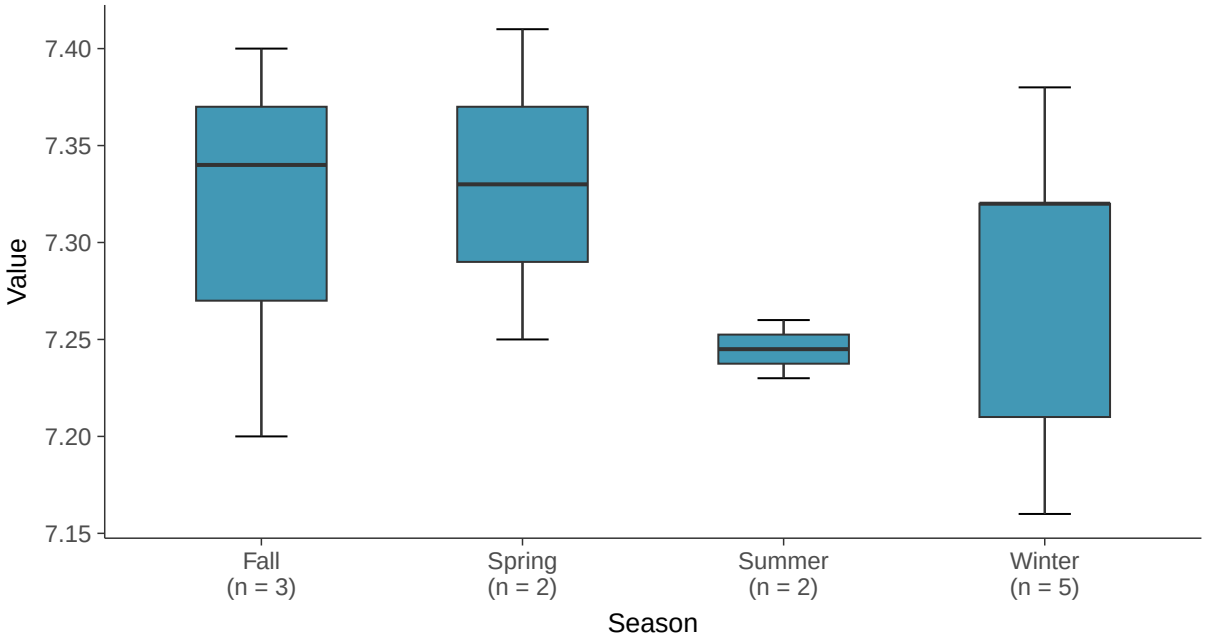
Boxplot

pH, Field, MW-18B (su)



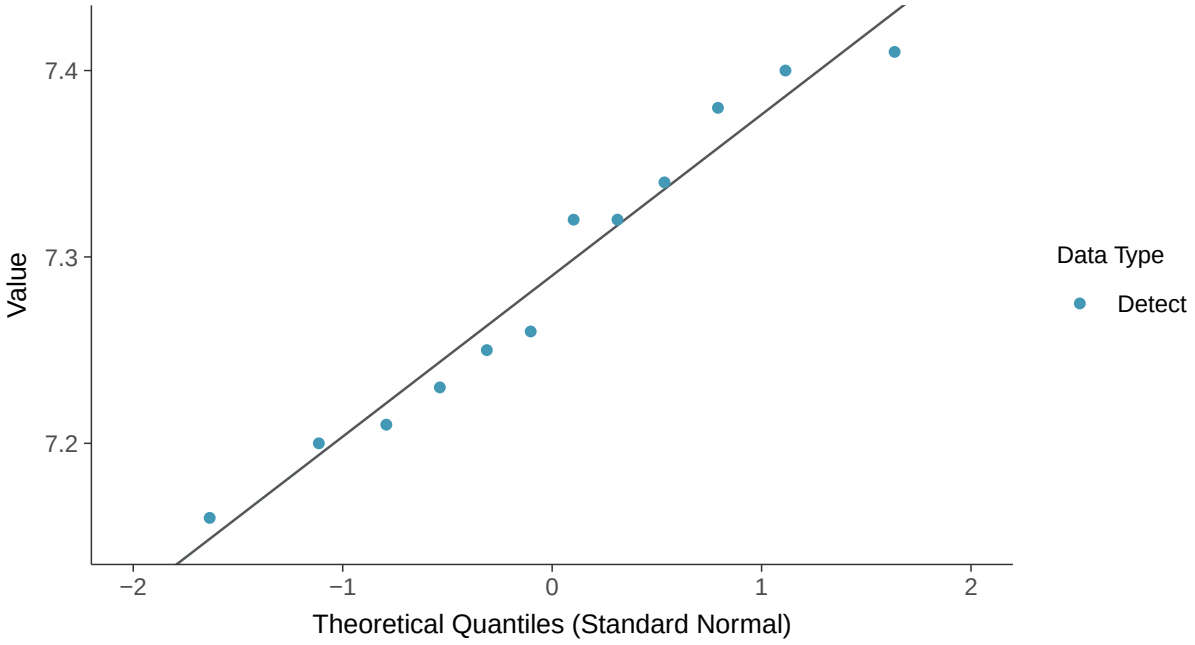
Boxplot by Season

pH, Field, MW-18B (su)



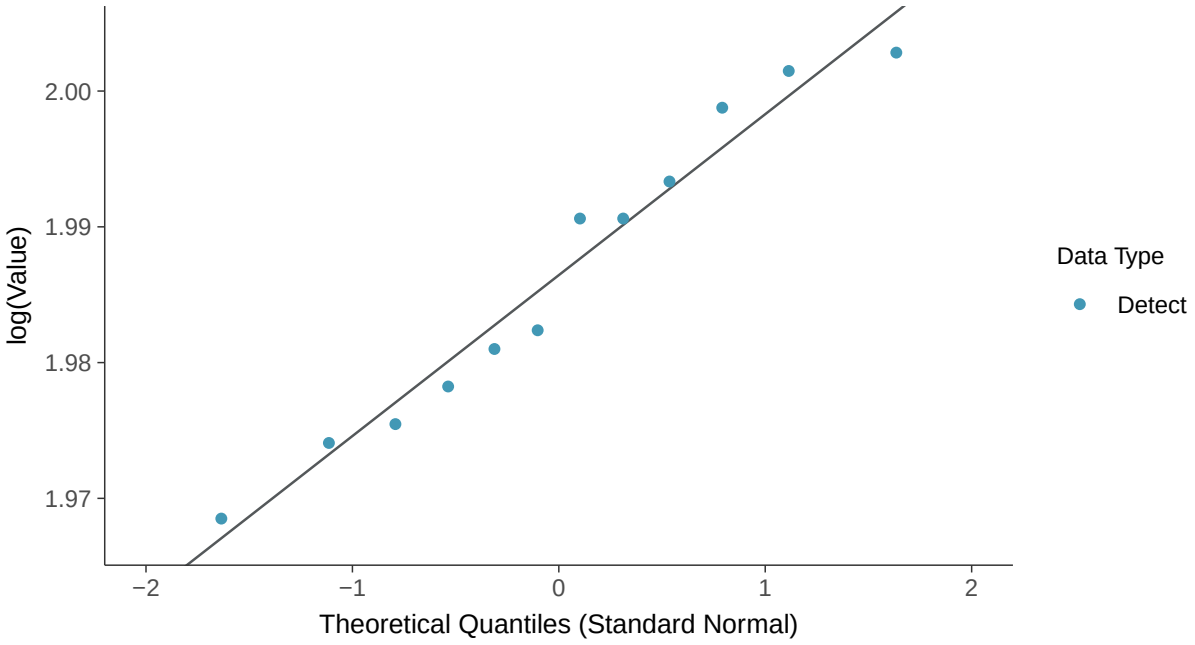
Normal Q-Q plot

pH, Field, MW-18B (su)



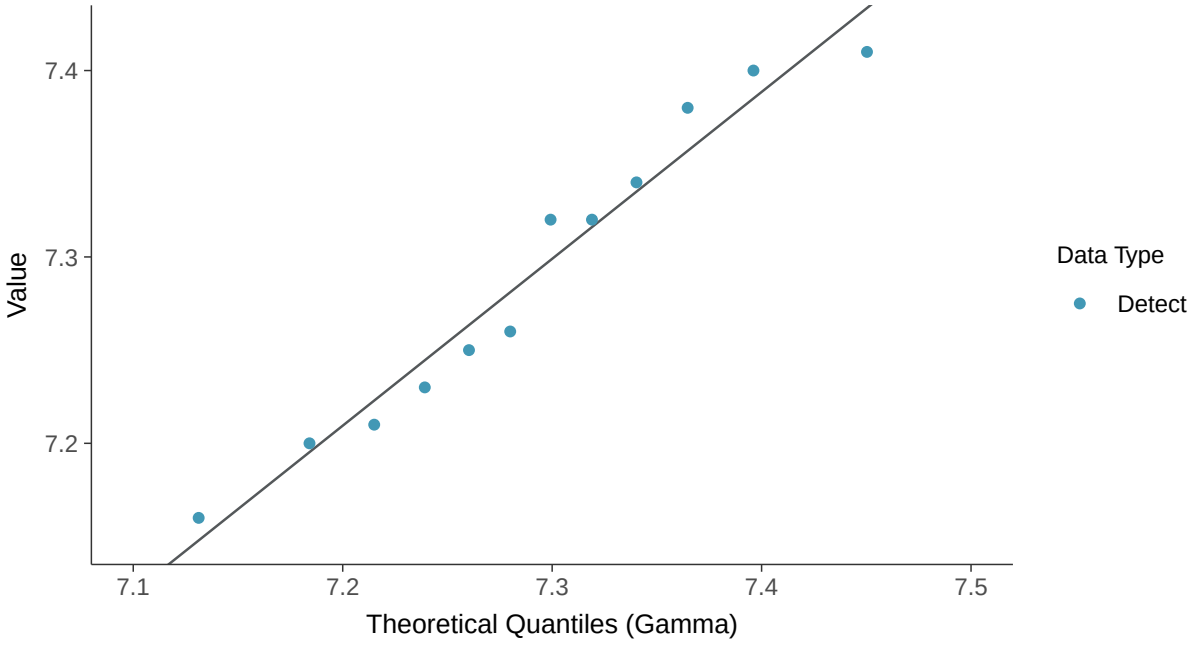
Lognormal Q-Q plot

pH, Field, MW-18B (su)



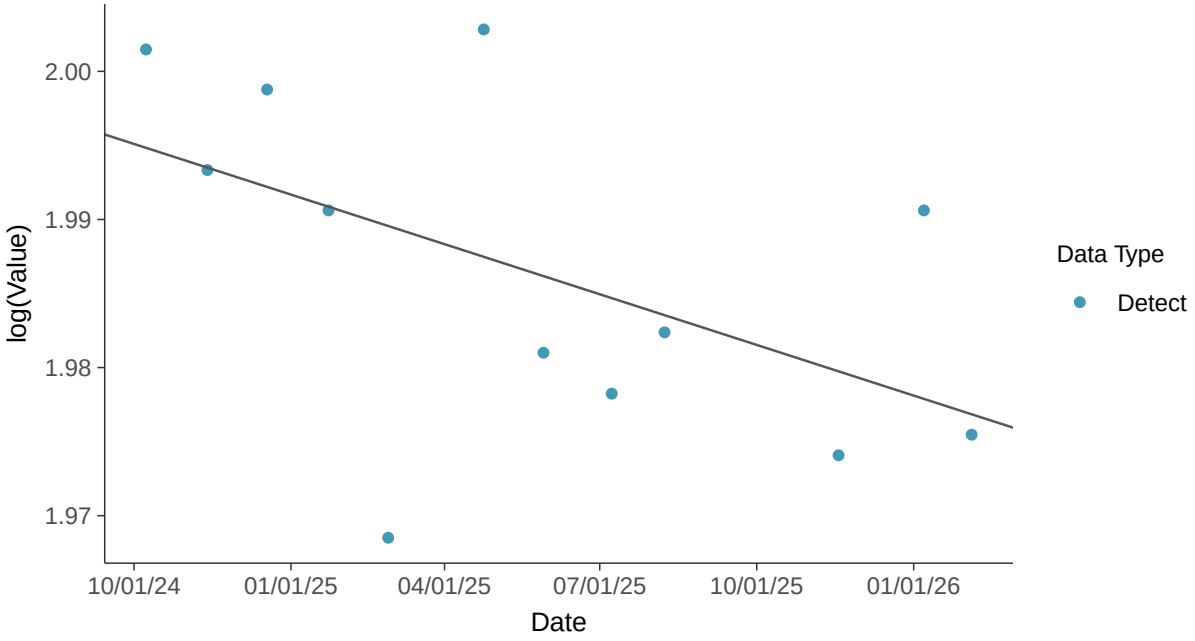
Gamma Q-Q plot

pH, Field, MW-18B (su)



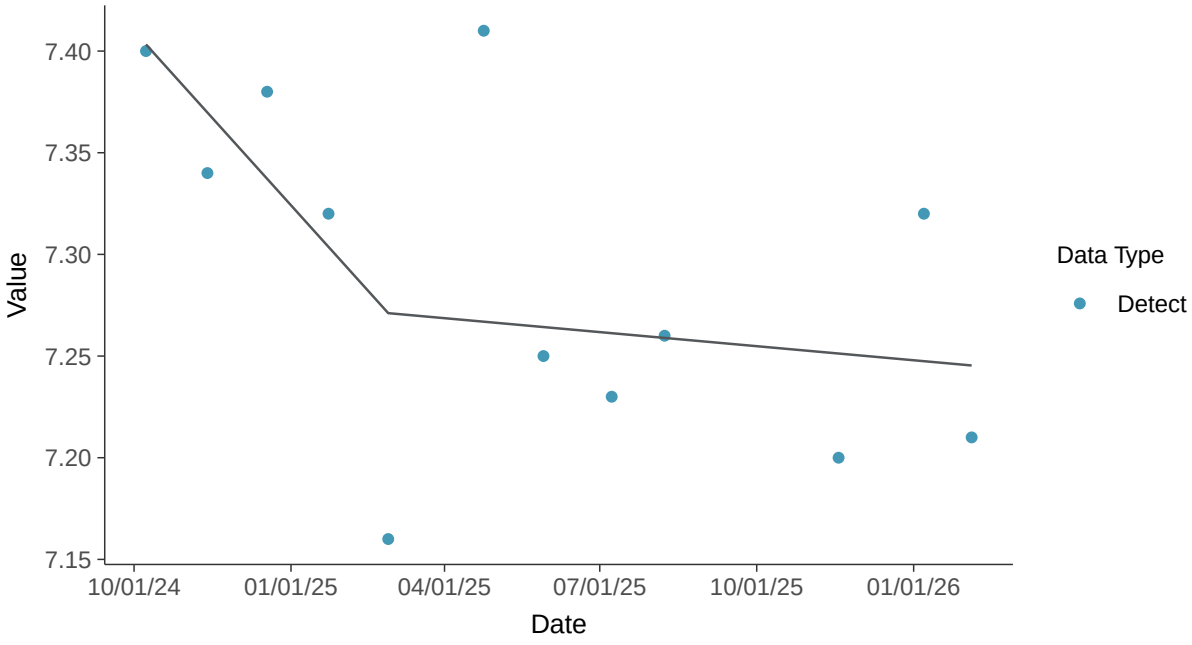
Trend Regression: Lognormal MLE

pH, Field, MW-18B (su)



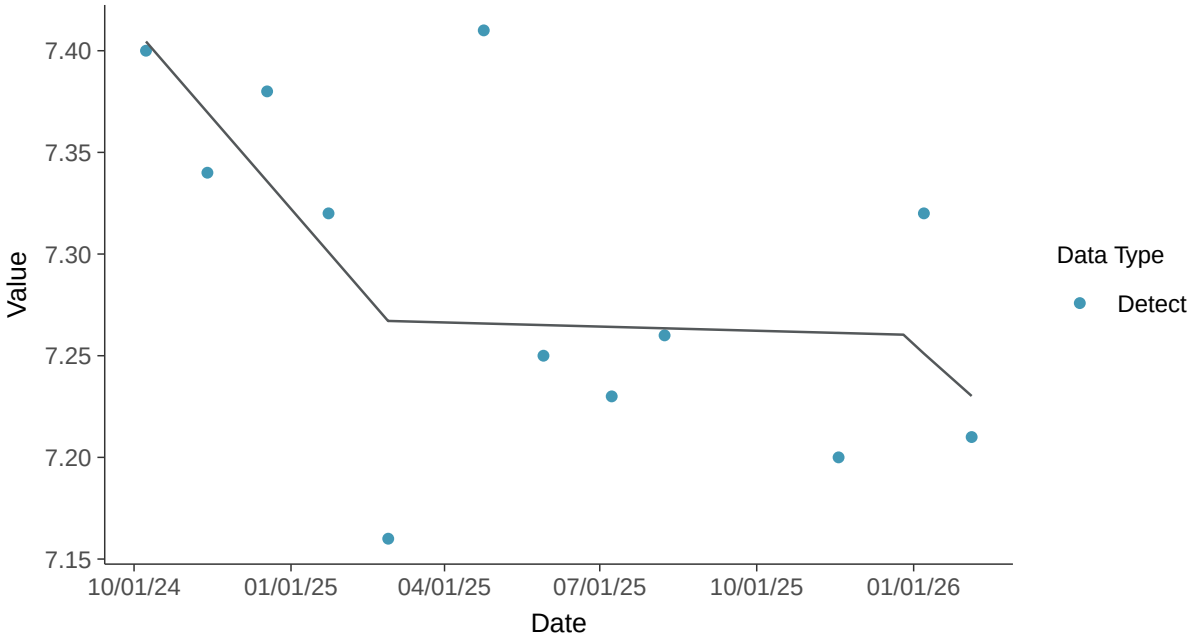
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-18B (su)



Trend Regression: Piecewise Linear-Linear-Linear

pH, Field, MW-18B (su)

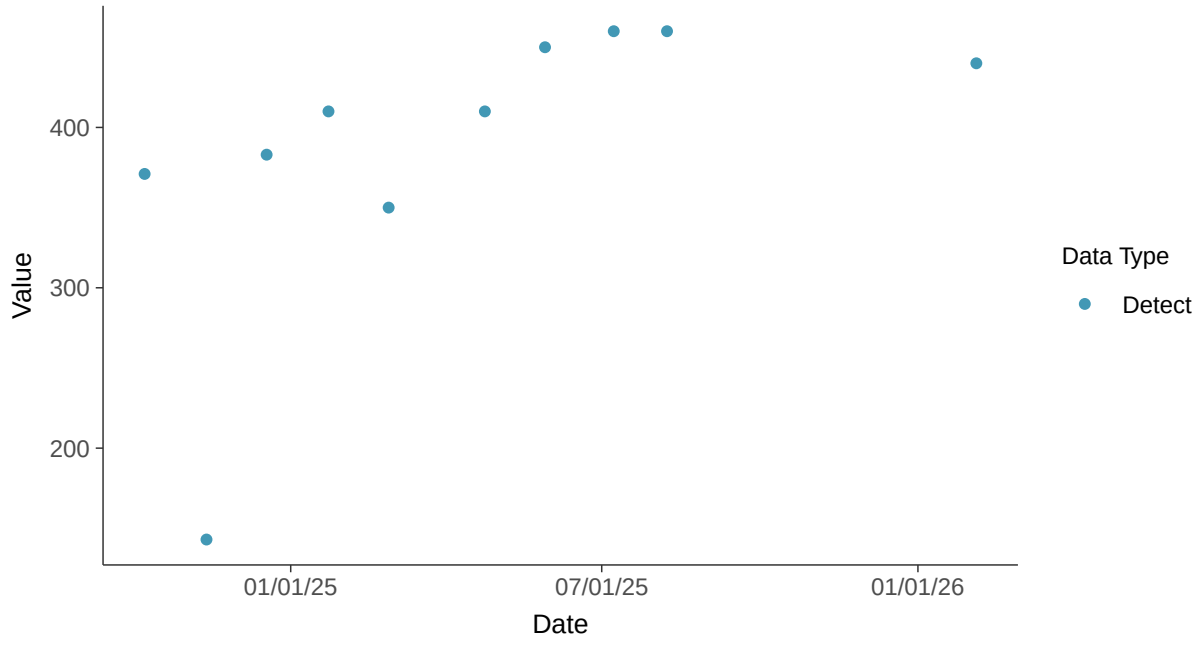


Appendix III: Sulfate, MW-18B

ID: 29_2_124

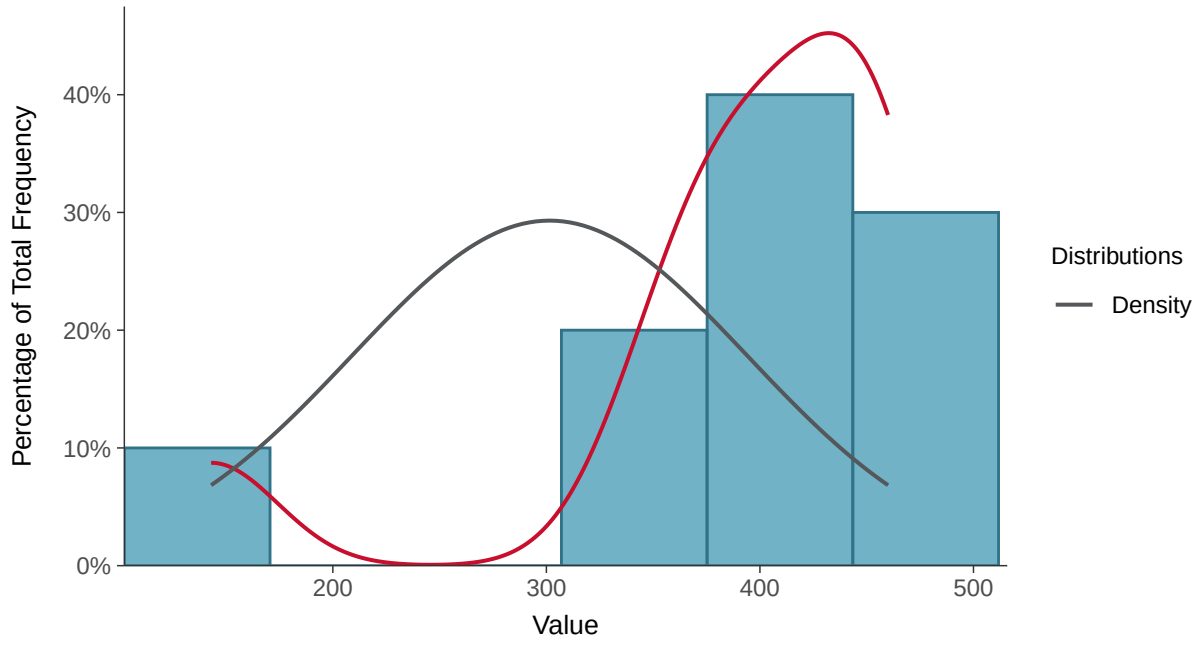
Scatter Plot

Sulfate, MW-18B (mg/l)



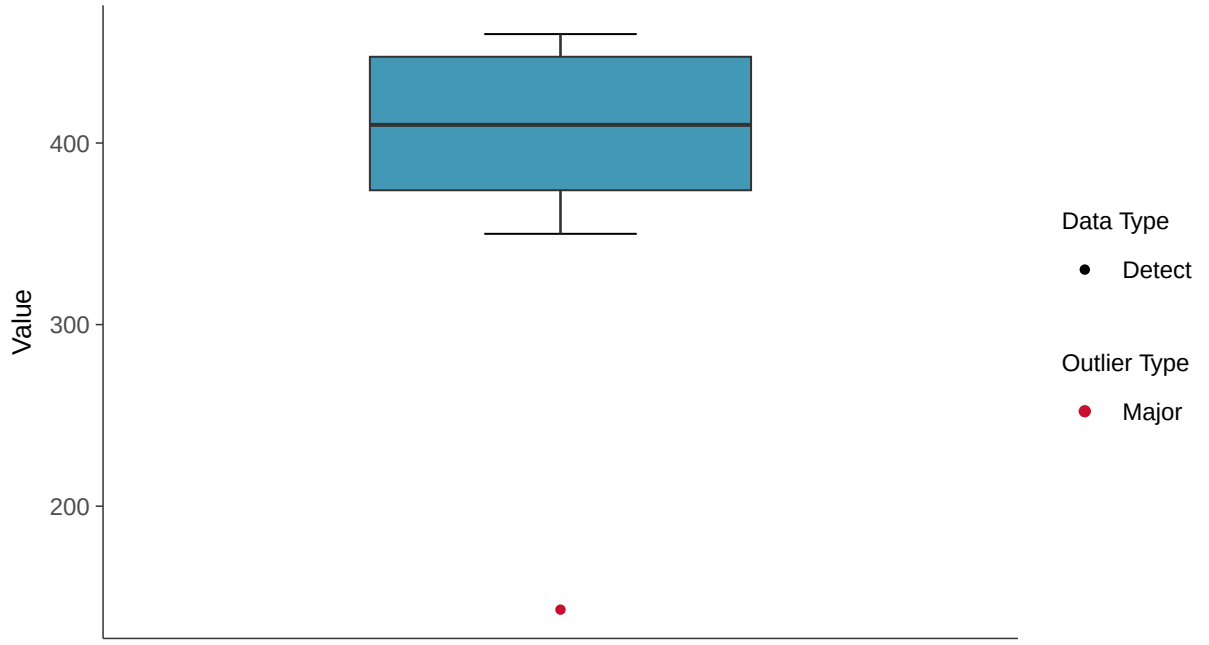
Histogram

Sulfate, MW-18B (mg/l)



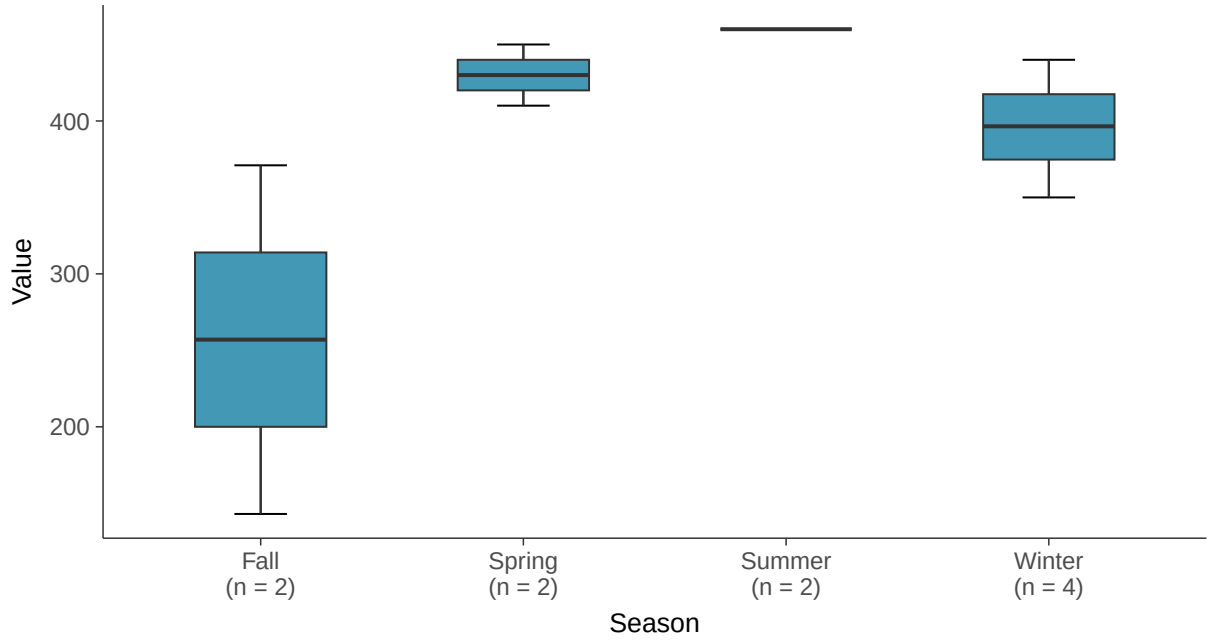
Boxplot

Sulfate, MW-18B (mg/l)



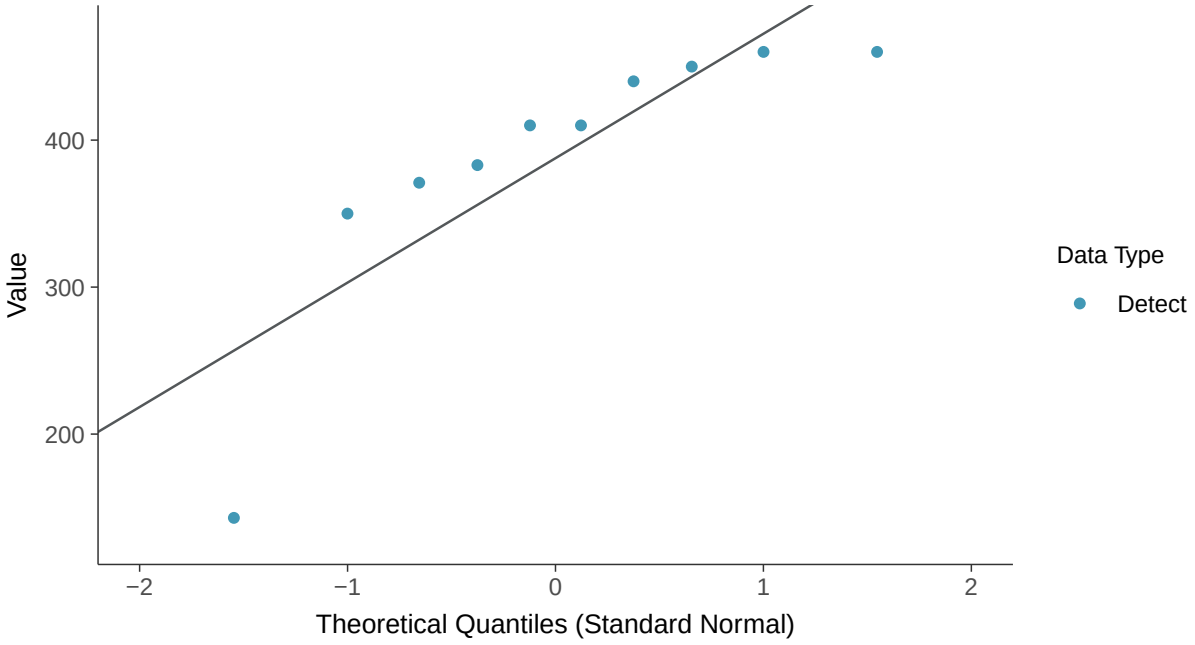
Boxplot by Season

Sulfate, MW-18B (mg/l)



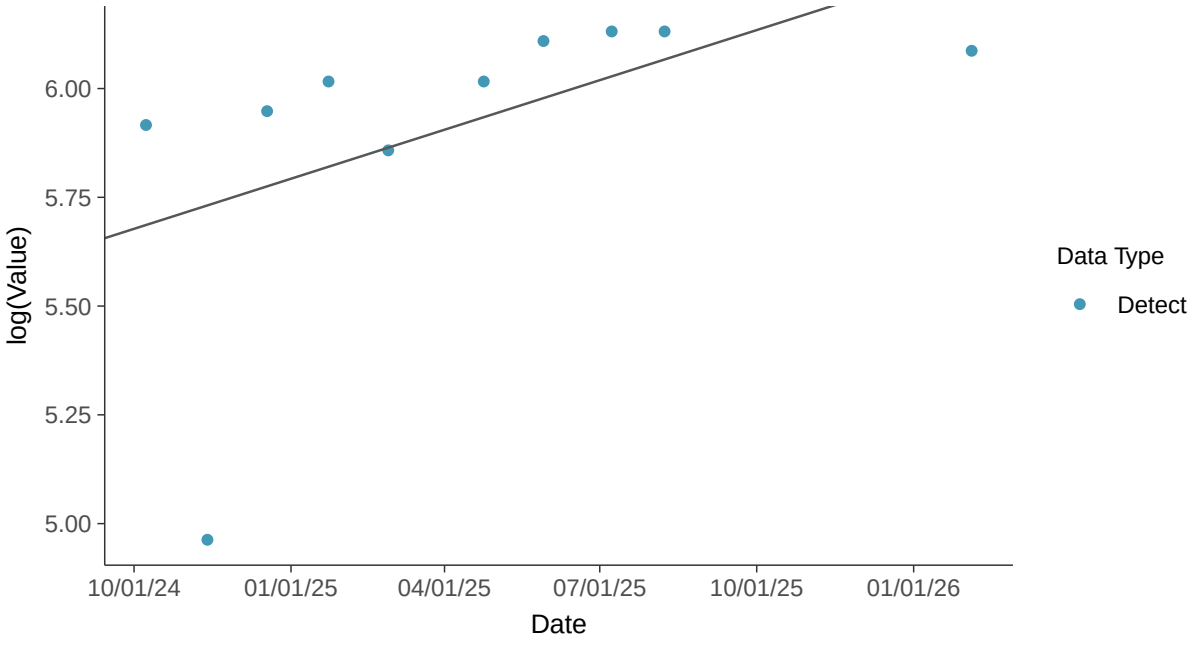
Normal Q-Q plot

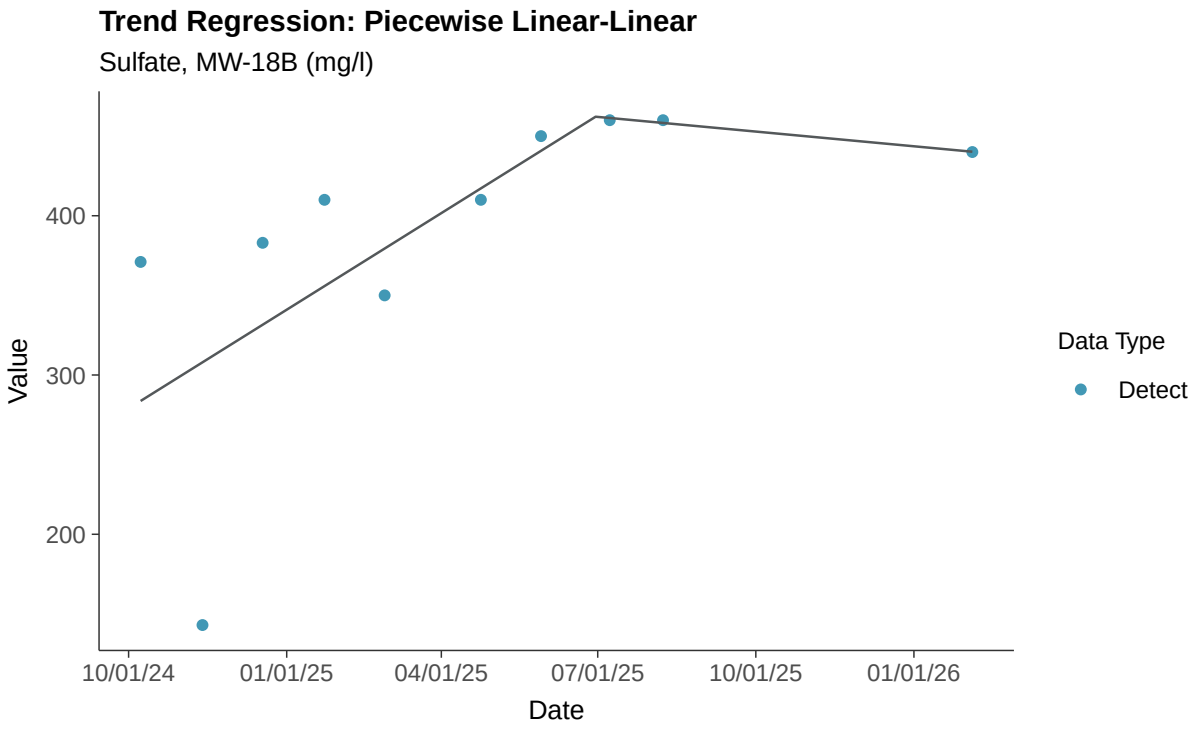
Sulfate, MW-18B (mg/l)



Trend Regression: Lognormal MLE

Sulfate, MW-18B (mg/l)



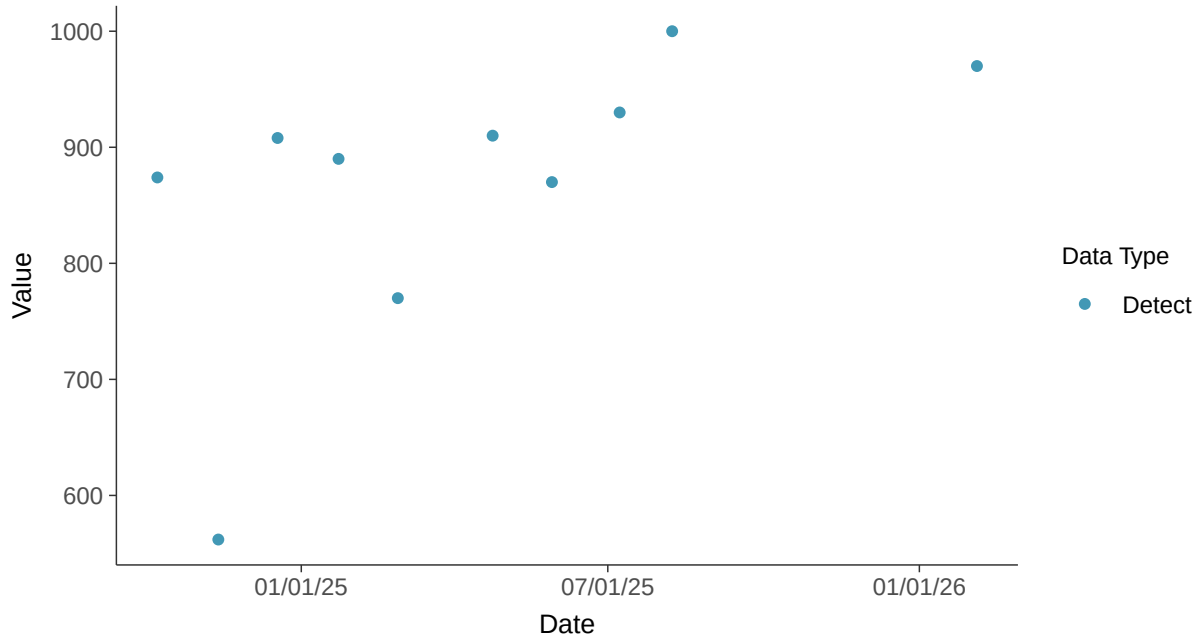

Trend Regression: Piecewise Linear-Linear
Sulfate, MW-18B (mg/l)
Value
400
300
200
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Total Dissolved Solids, MW-18B

ID: 29_2_126

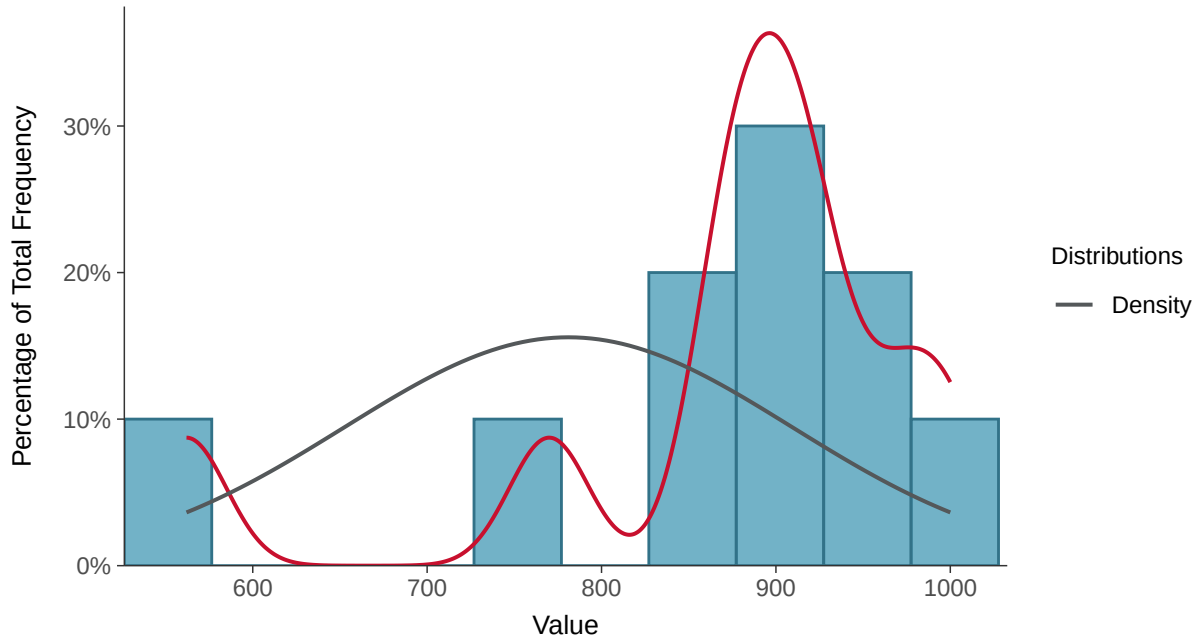
Scatter Plot

Total Dissolved Solids, MW-18B (mg/l)



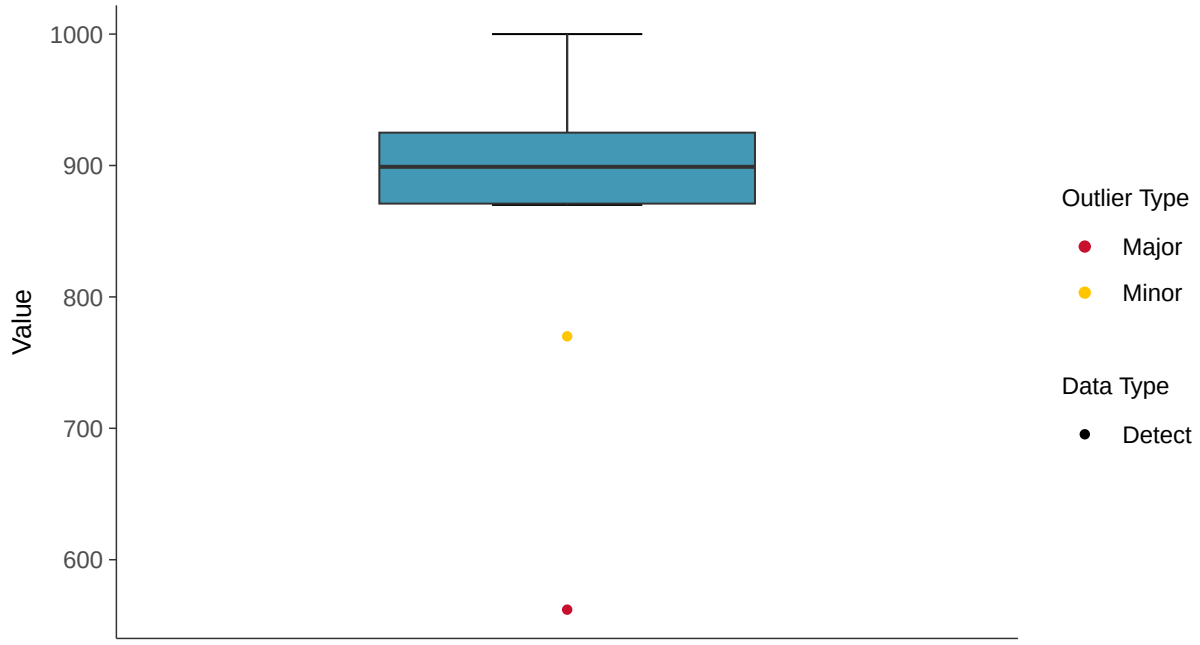
Histogram

Total Dissolved Solids, MW-18B (mg/l)



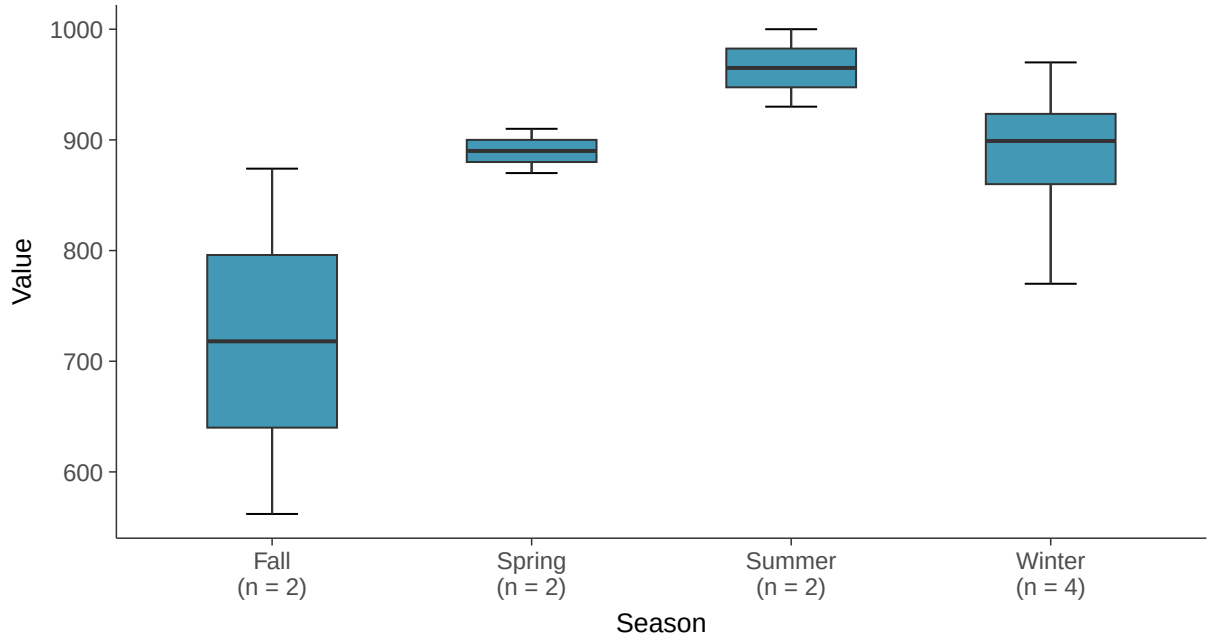
Boxplot

Total Dissolved Solids, MW-18B (mg/l)



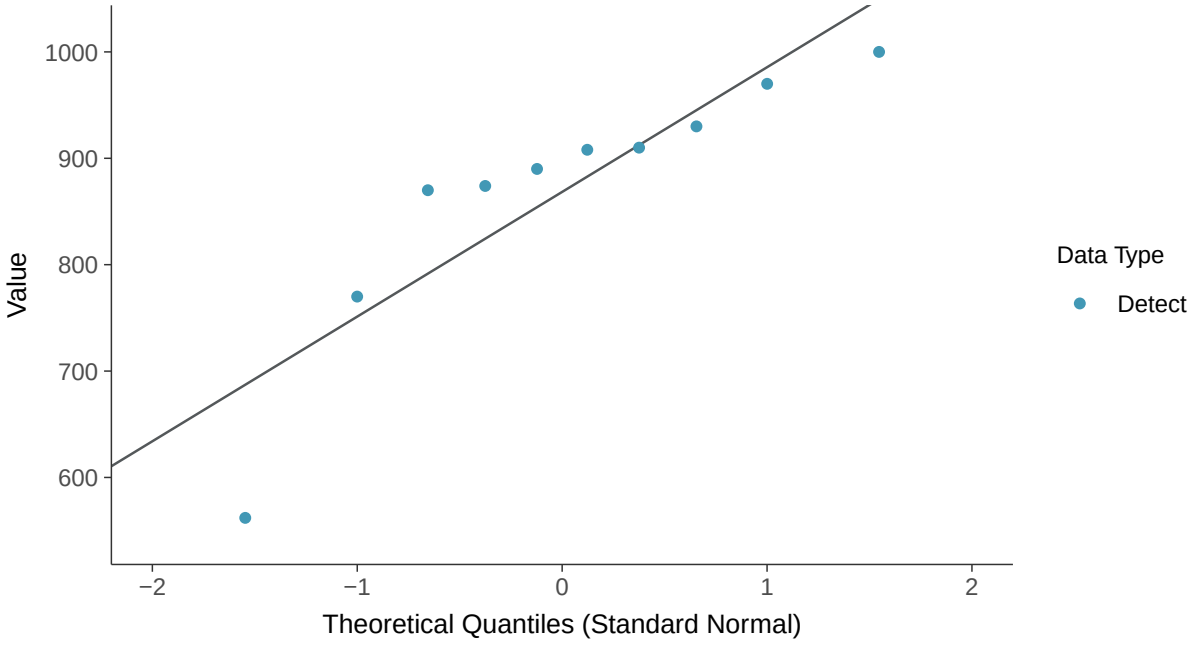
Boxplot by Season

Total Dissolved Solids, MW-18B (mg/l)



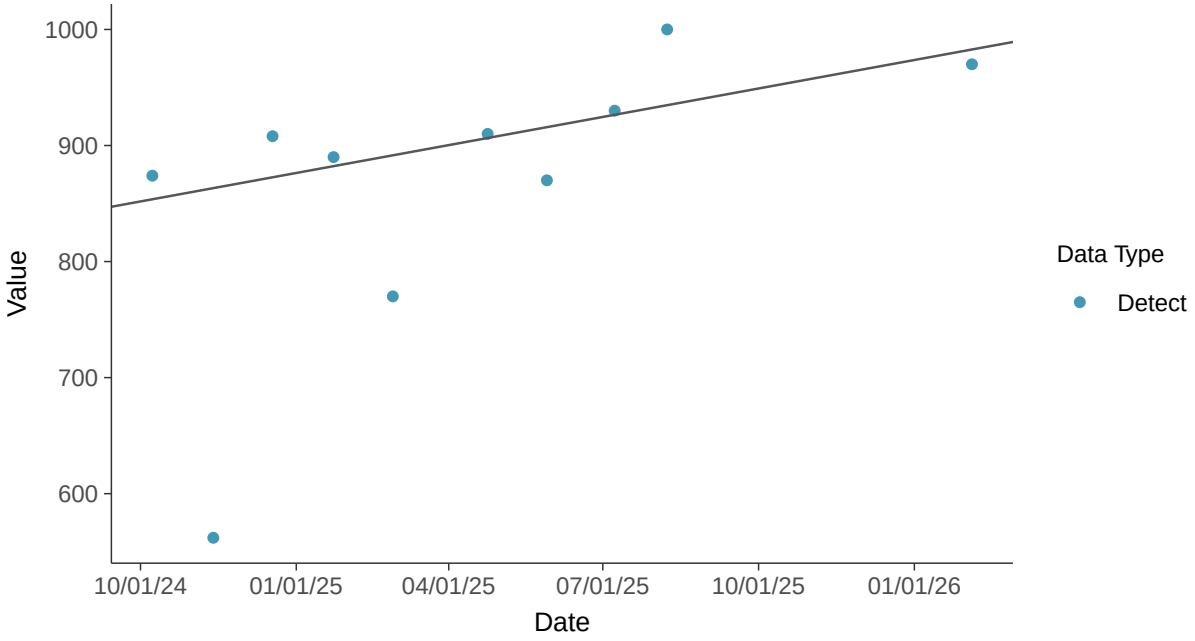
Normal Q-Q plot

Total Dissolved Solids, MW-18B (mg/l)



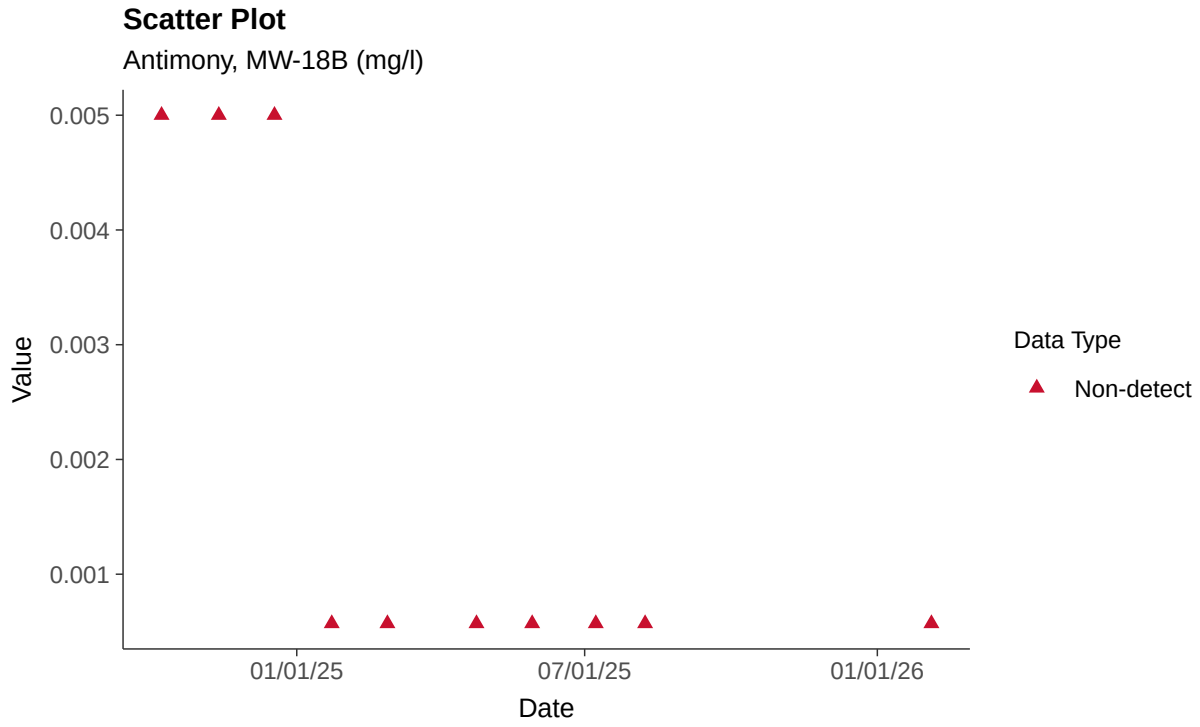
Trend Regression: Mann-Kendall/Theil-Sen Estimate

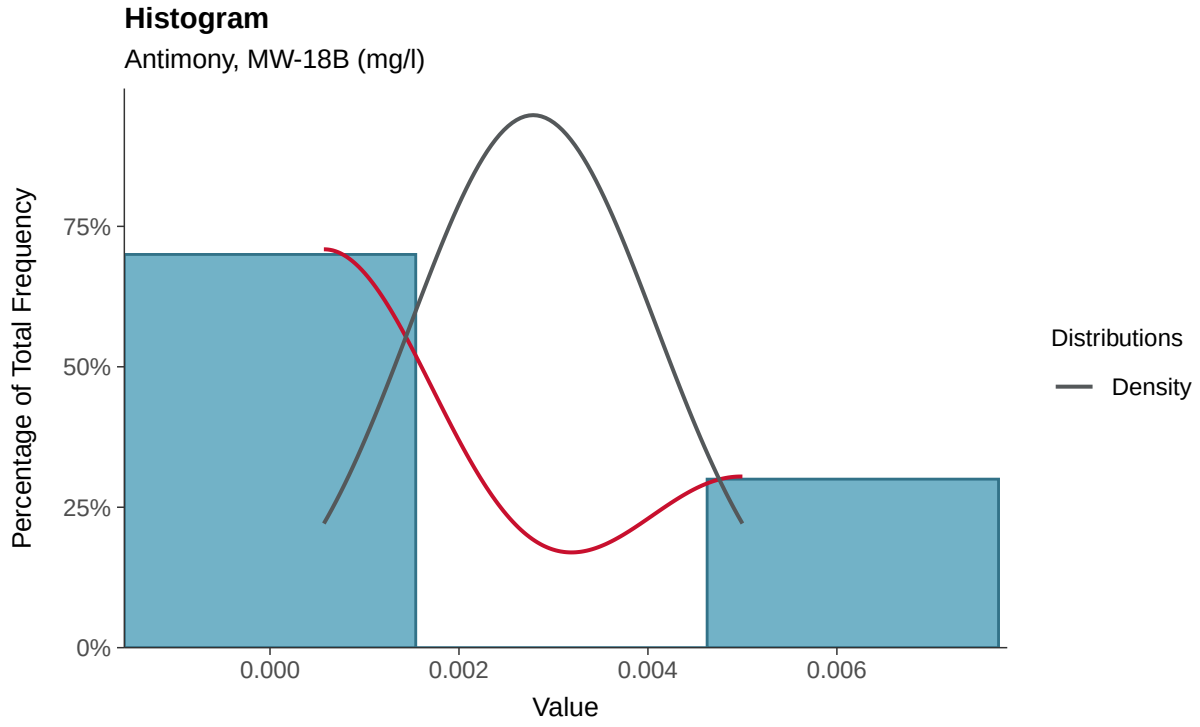
Total Dissolved Solids, MW-18B (mg/l)



Appendix IV: Antimony, MW-18B

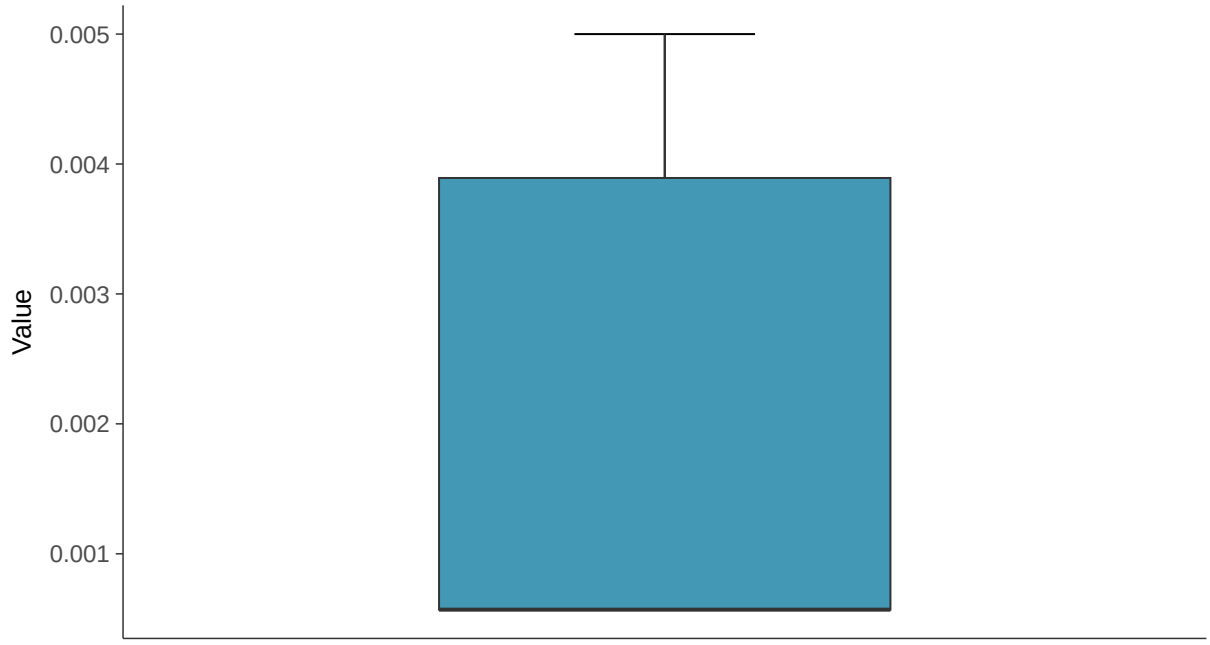
ID: 29_3_101





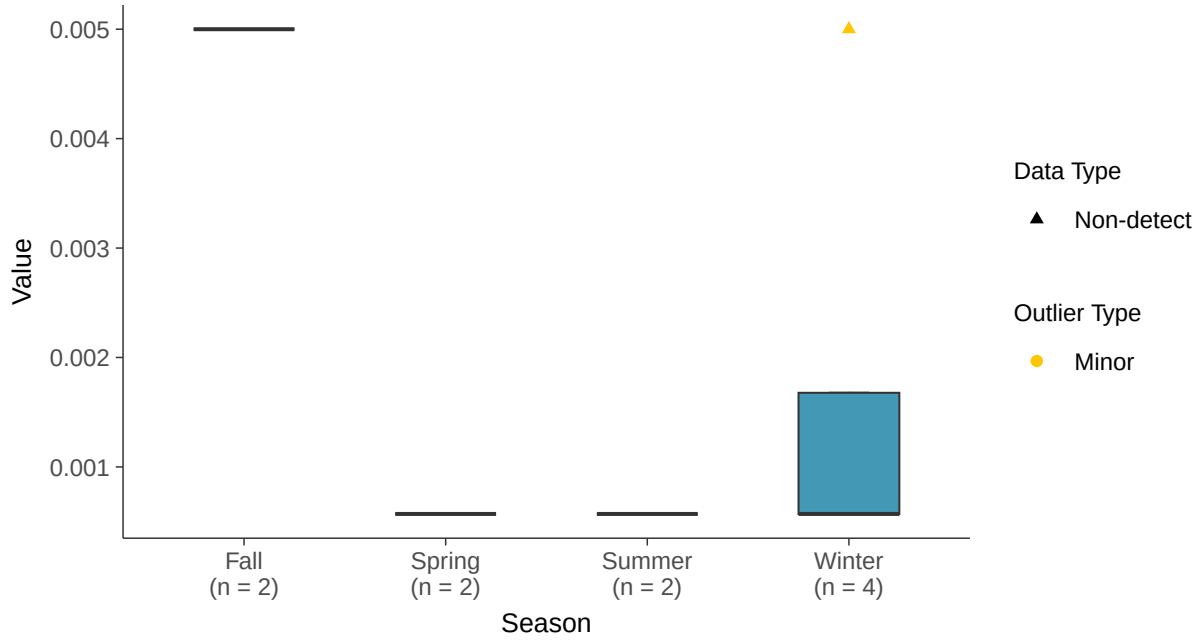
Boxplot

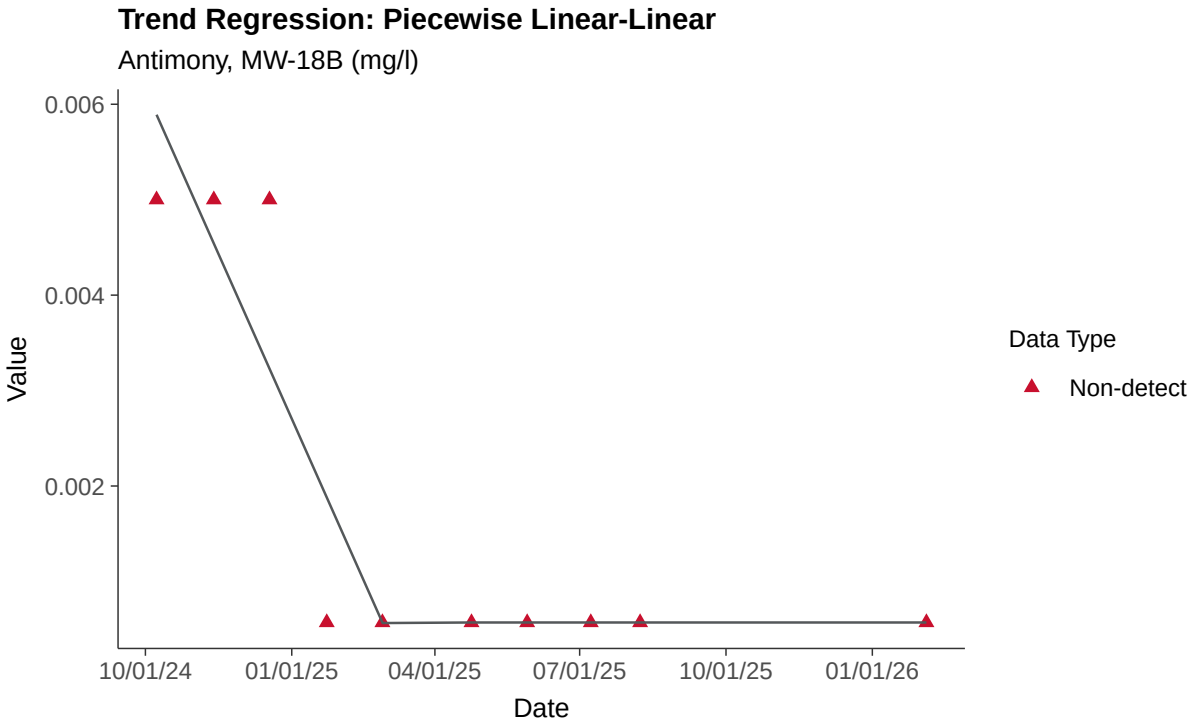
Antimony, MW-18B (mg/l)



Boxplot by Season

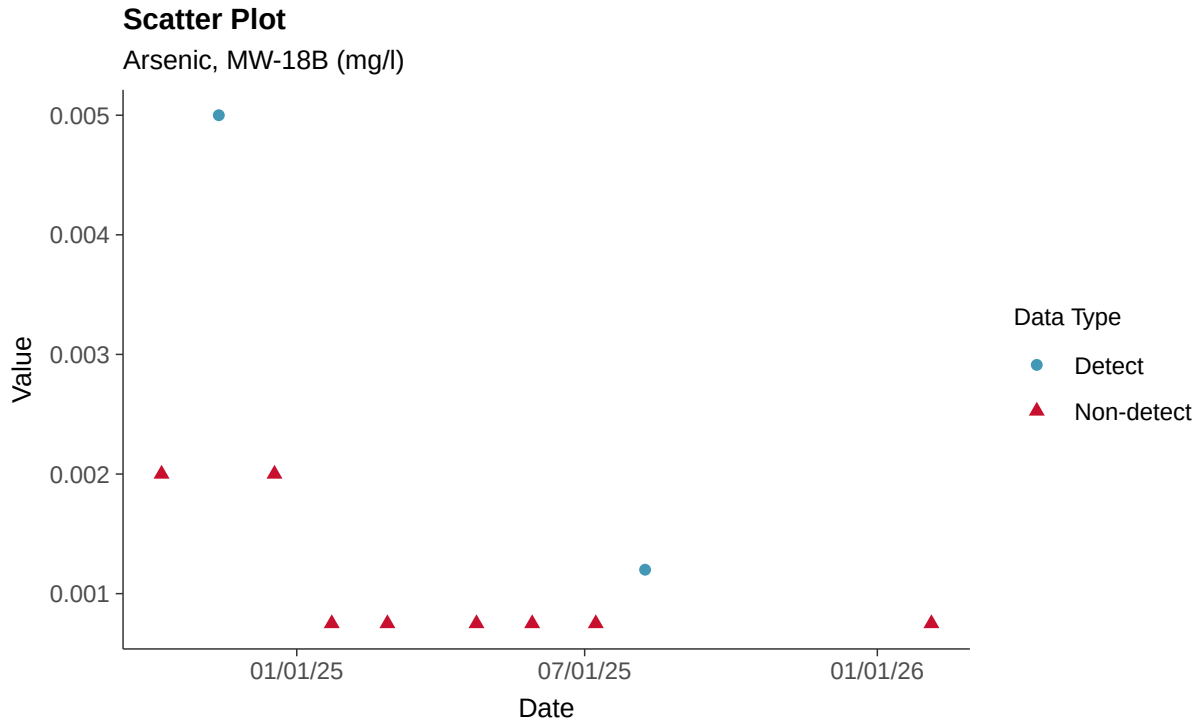
Antimony, MW-18B (mg/l)

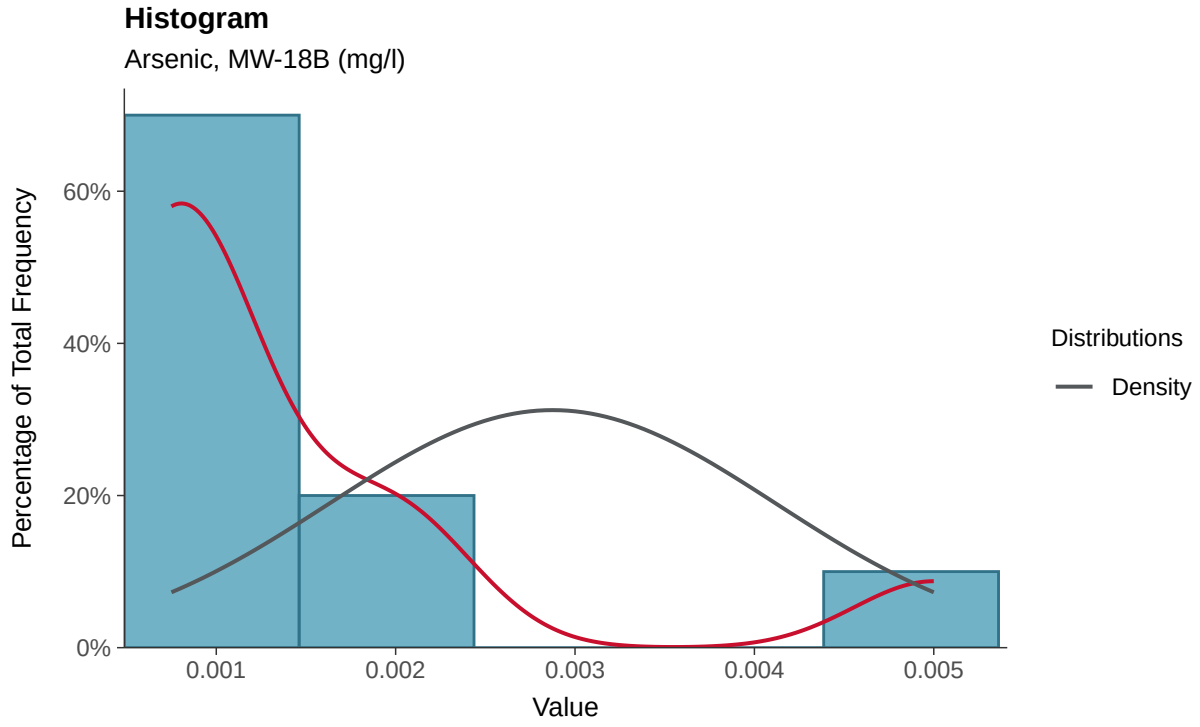



Trend Regression: Piecewise Linear-Linear
Antimony, MW-18B (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-18B

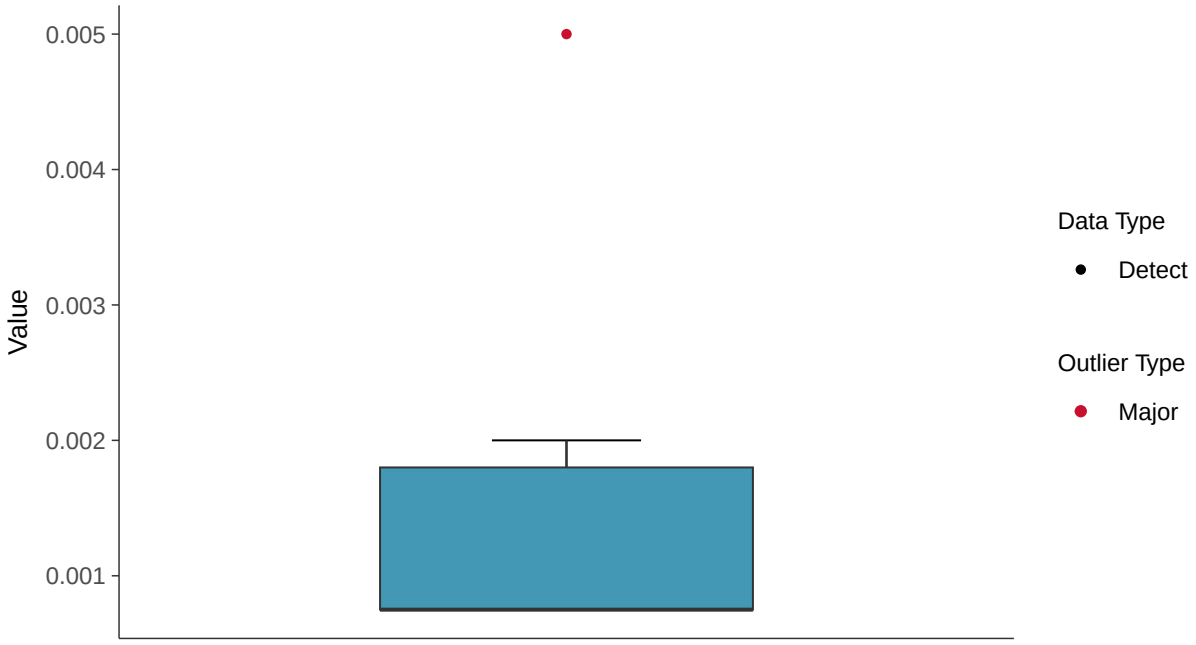
ID: 29_3_102





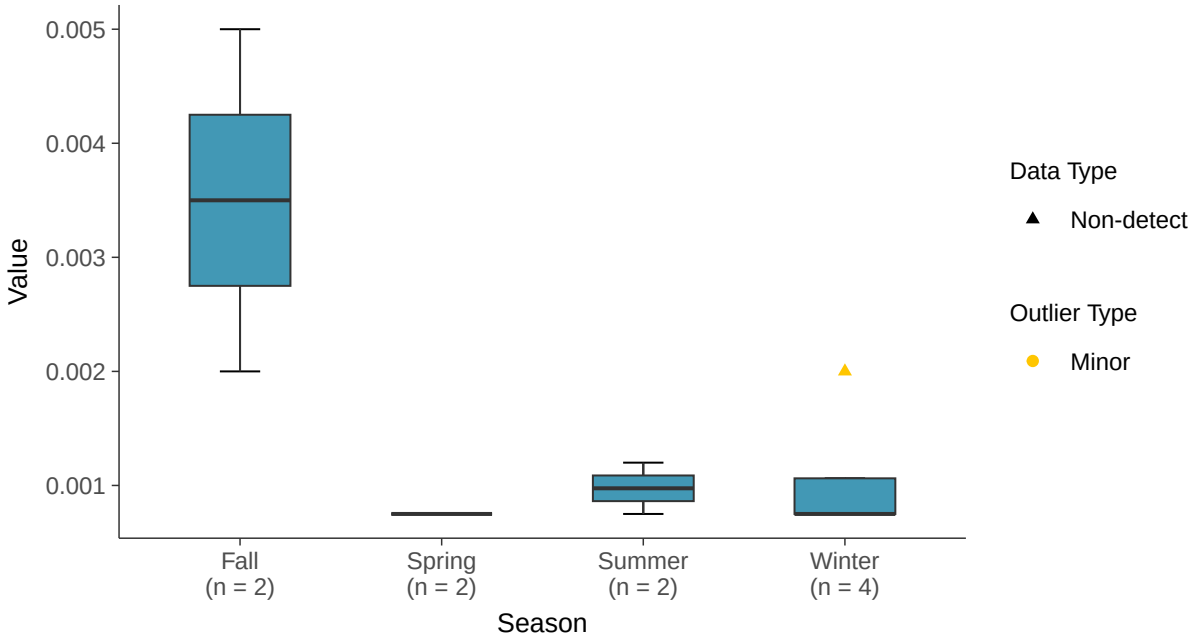
Boxplot

Arsenic, MW-18B (mg/l)



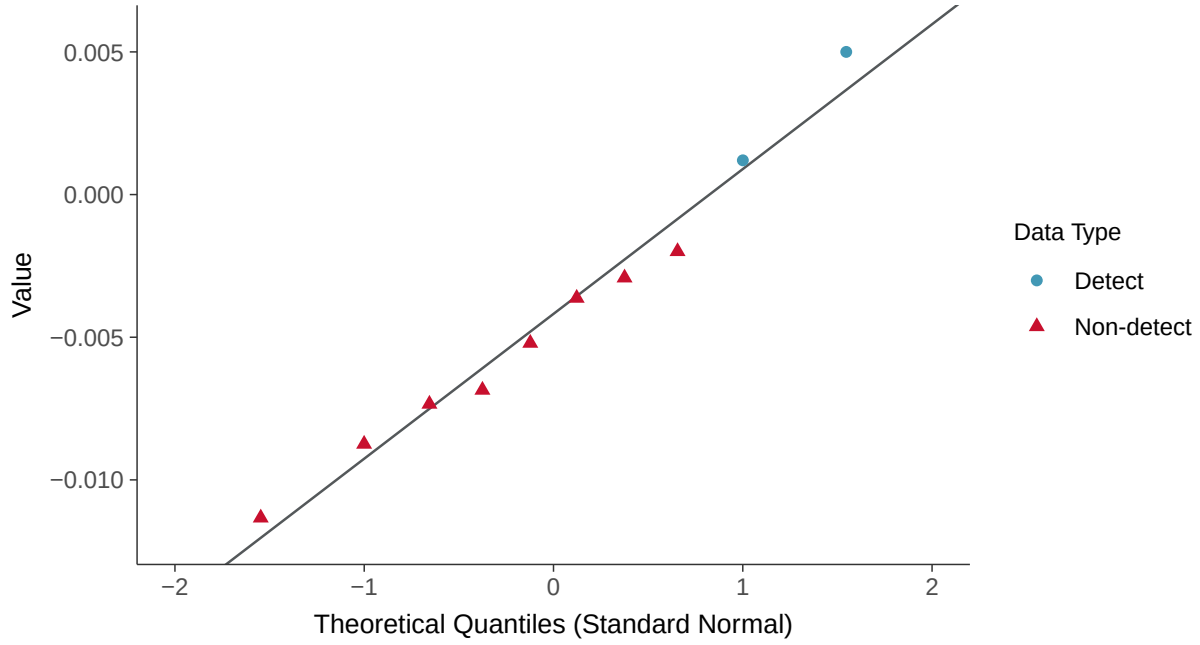
Boxplot by Season

Arsenic, MW-18B (mg/l)



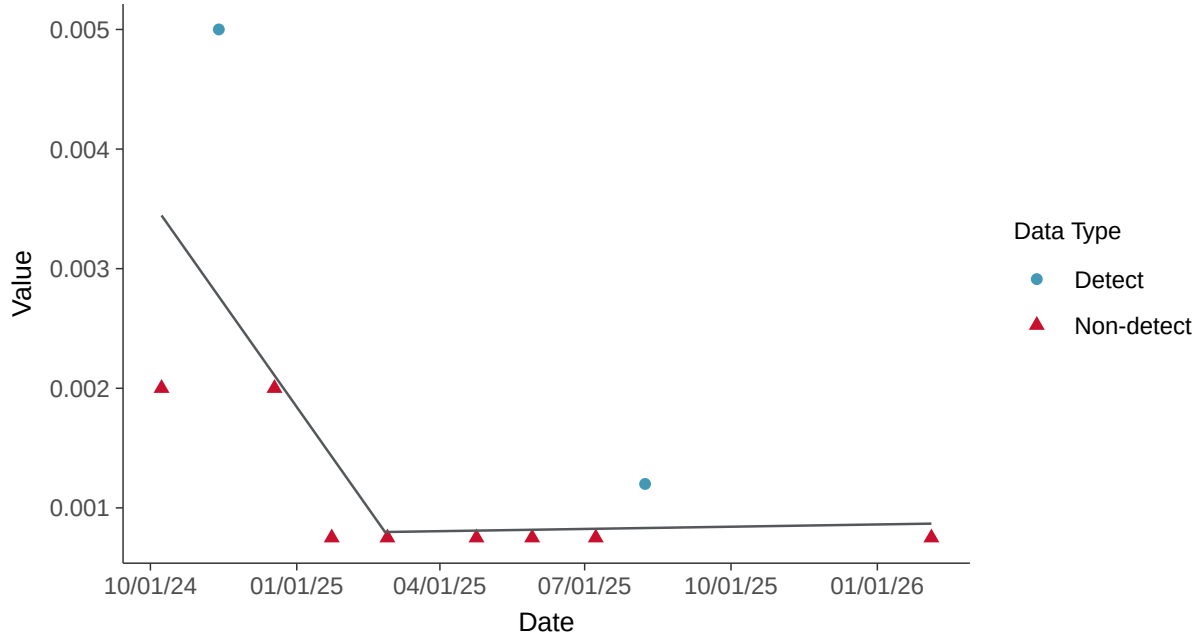
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-18B (mg/l)



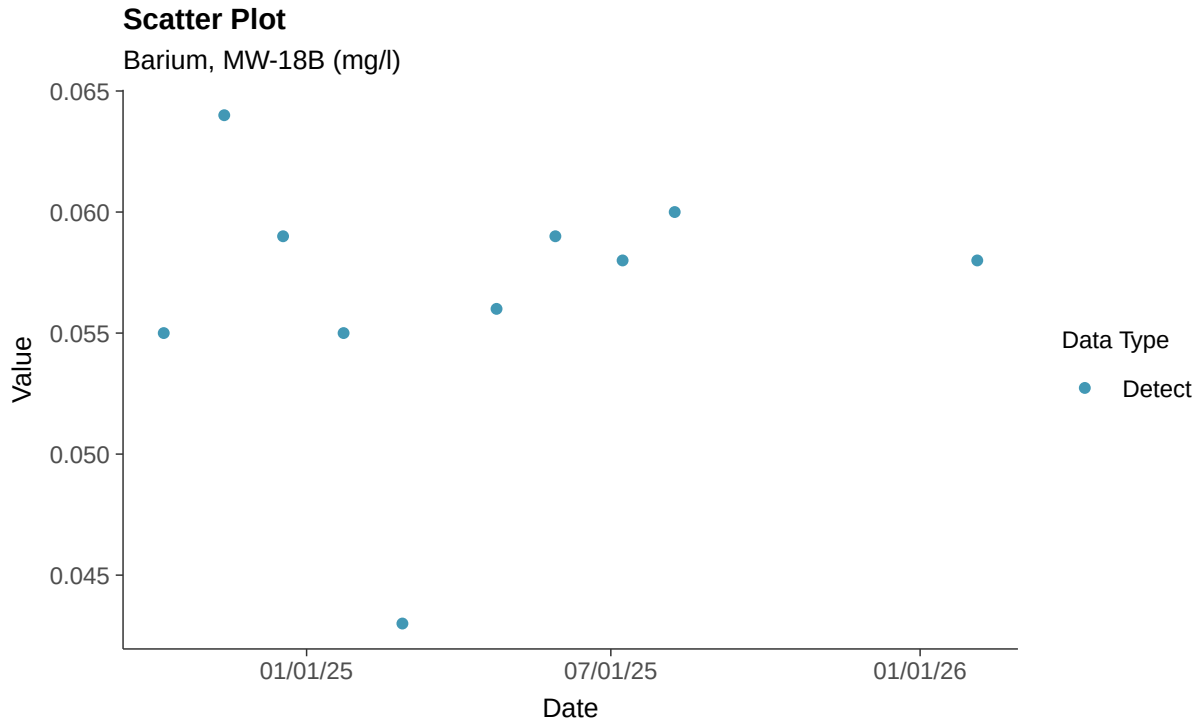
Trend Regression: Piecewise Linear-Linear

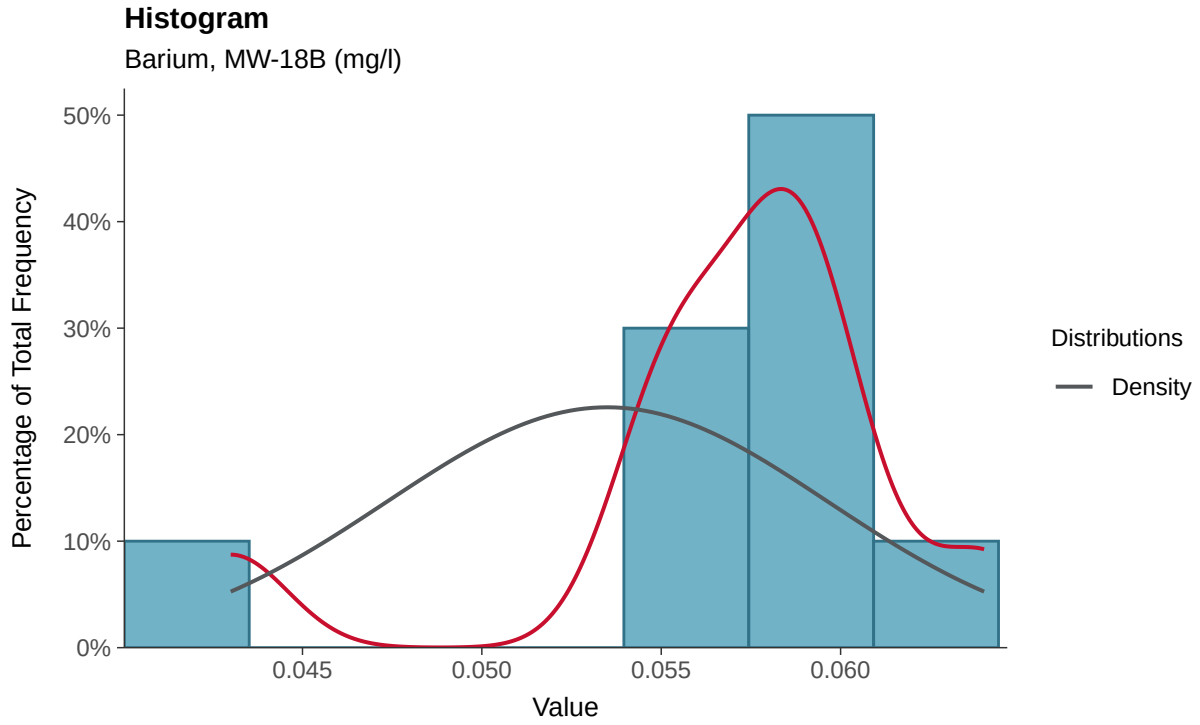
Arsenic, MW-18B (mg/l)



Appendix IV: Barium, MW-18B

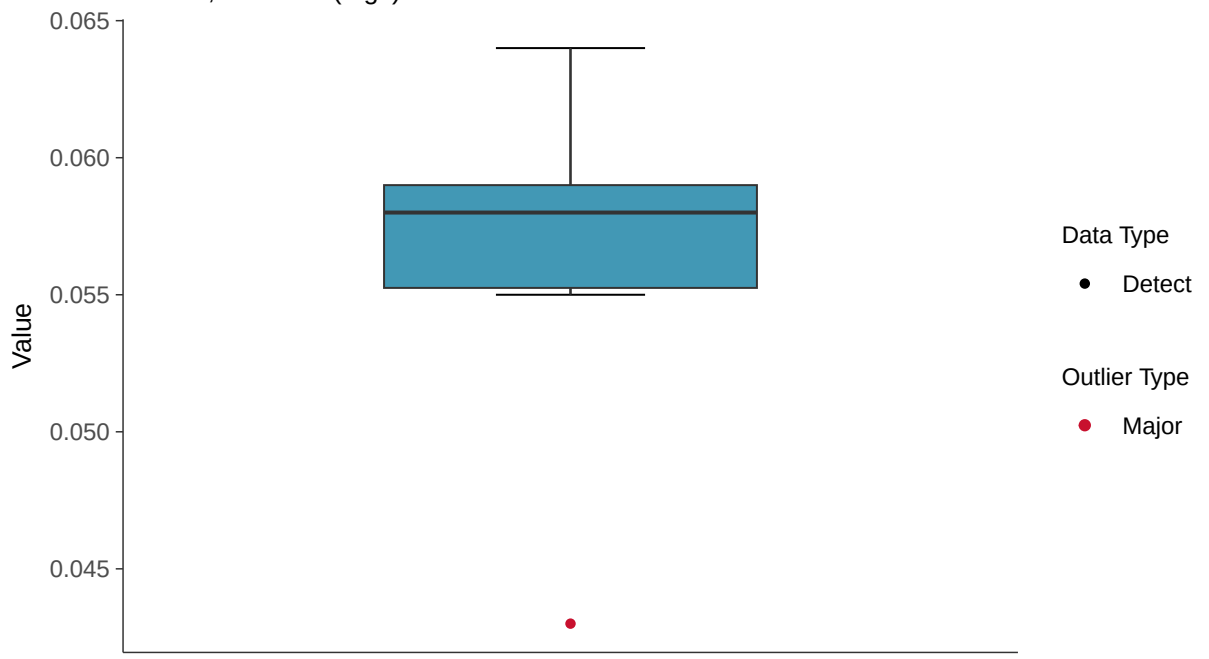
ID: 29_3_103





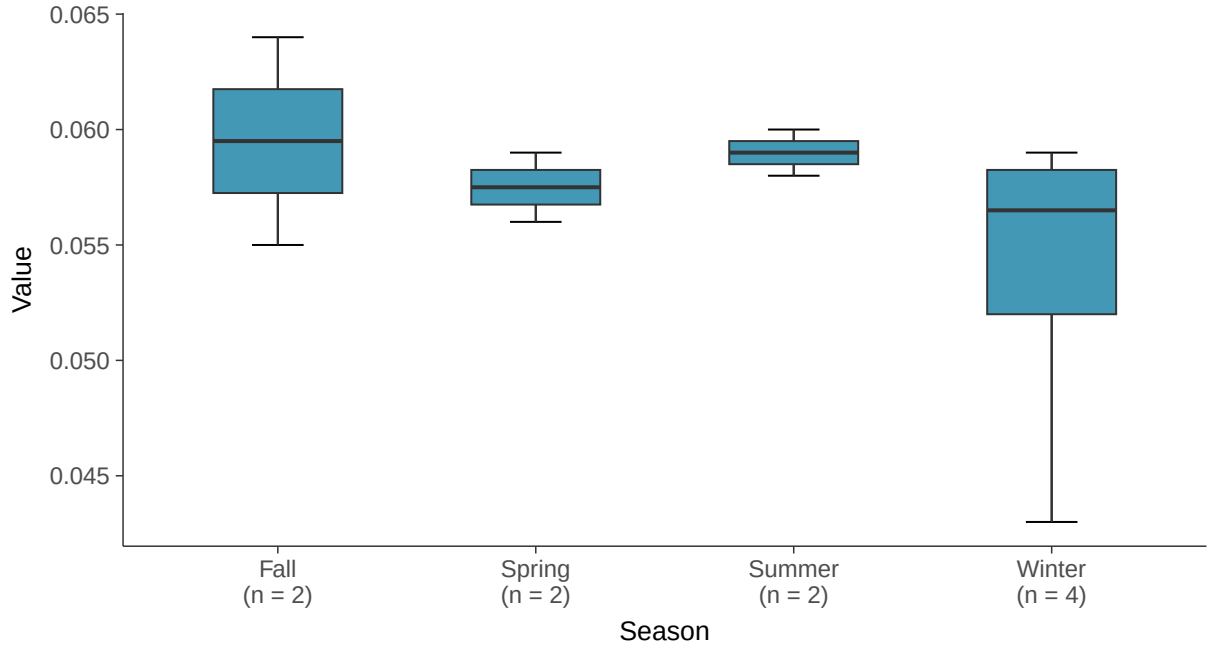
Boxplot

Barium, MW-18B (mg/l)



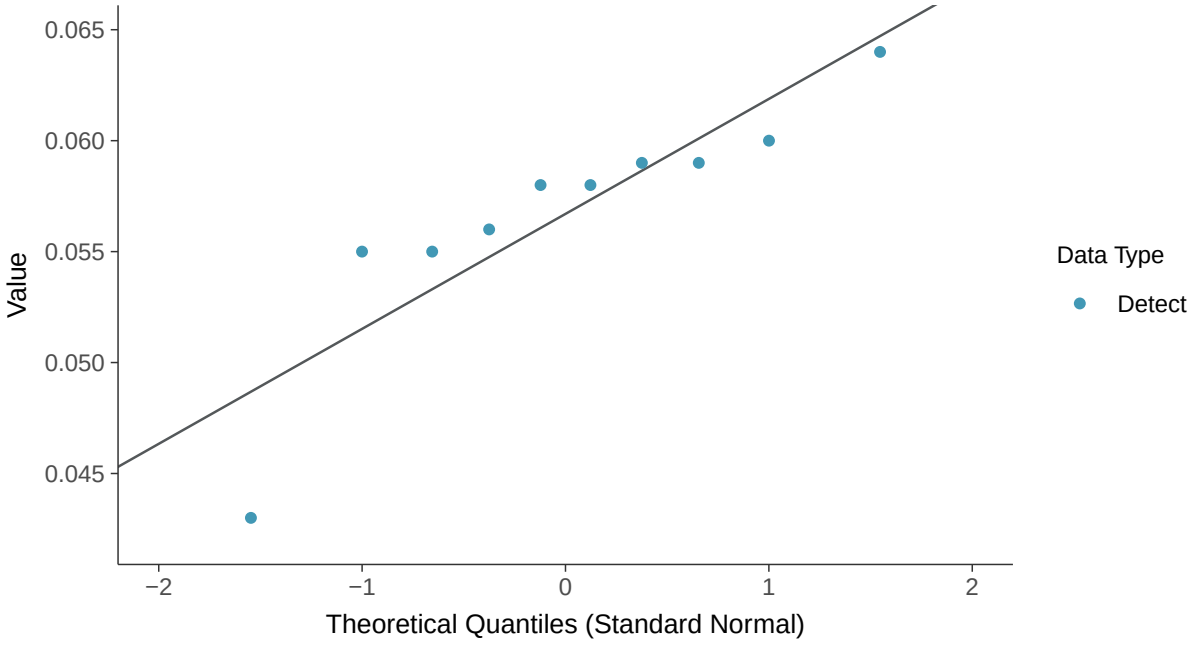
Boxplot by Season

Barium, MW-18B (mg/l)



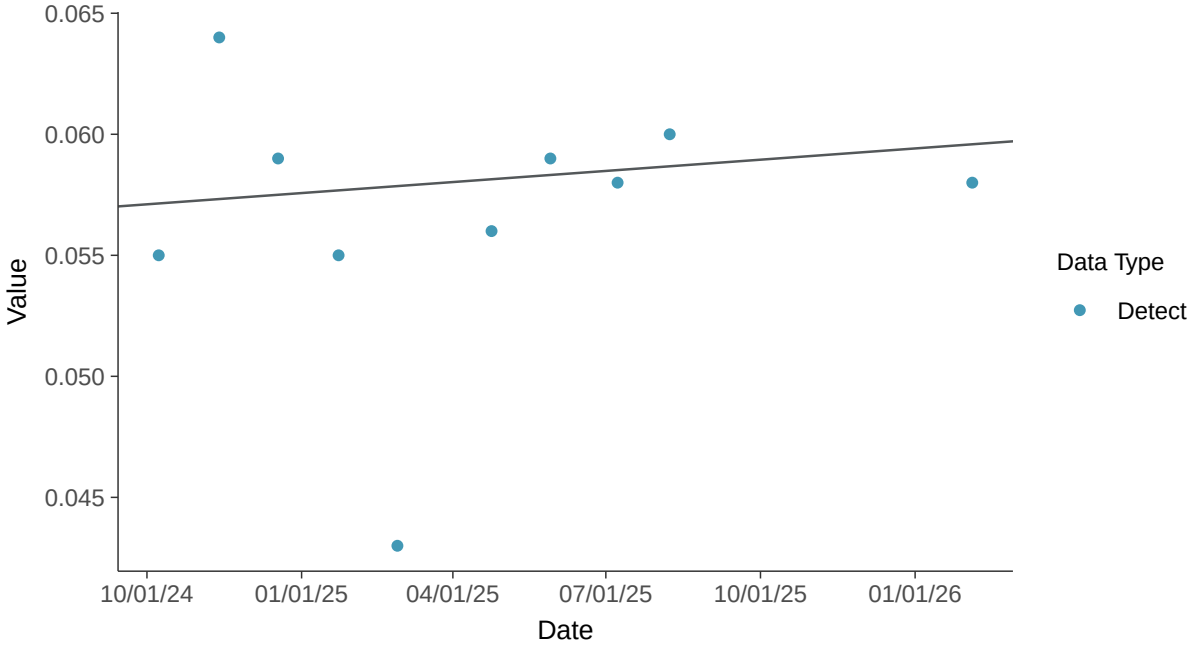
Normal Q-Q plot

Barium, MW-18B (mg/l)



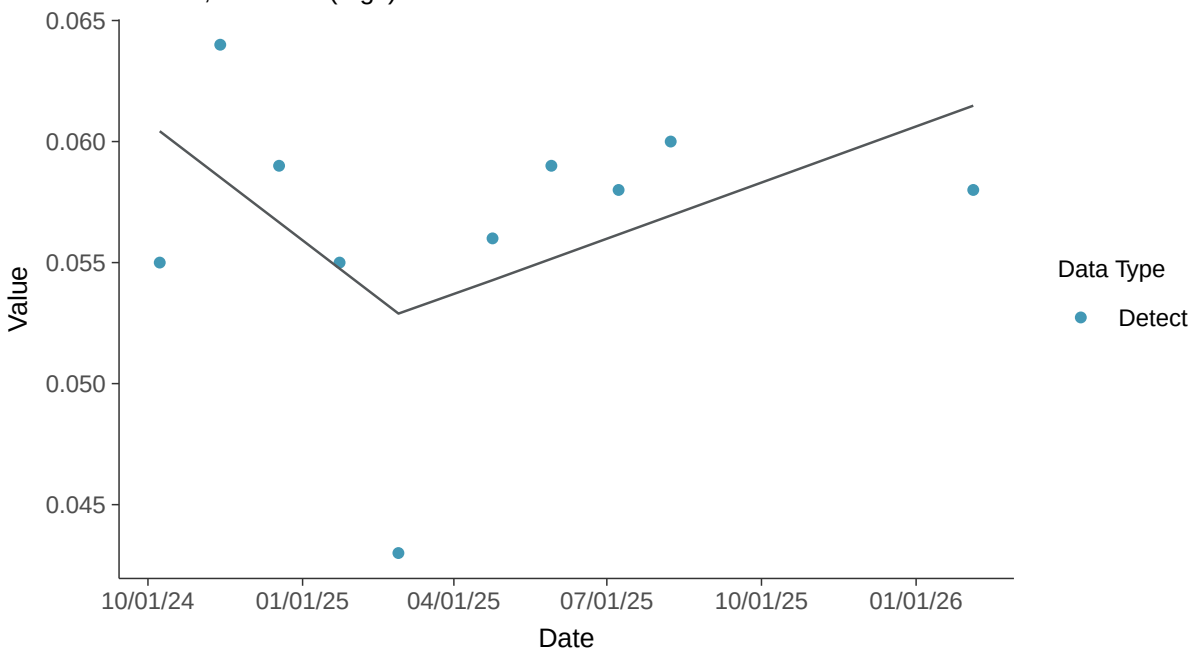
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Barium, MW-18B (mg/l)



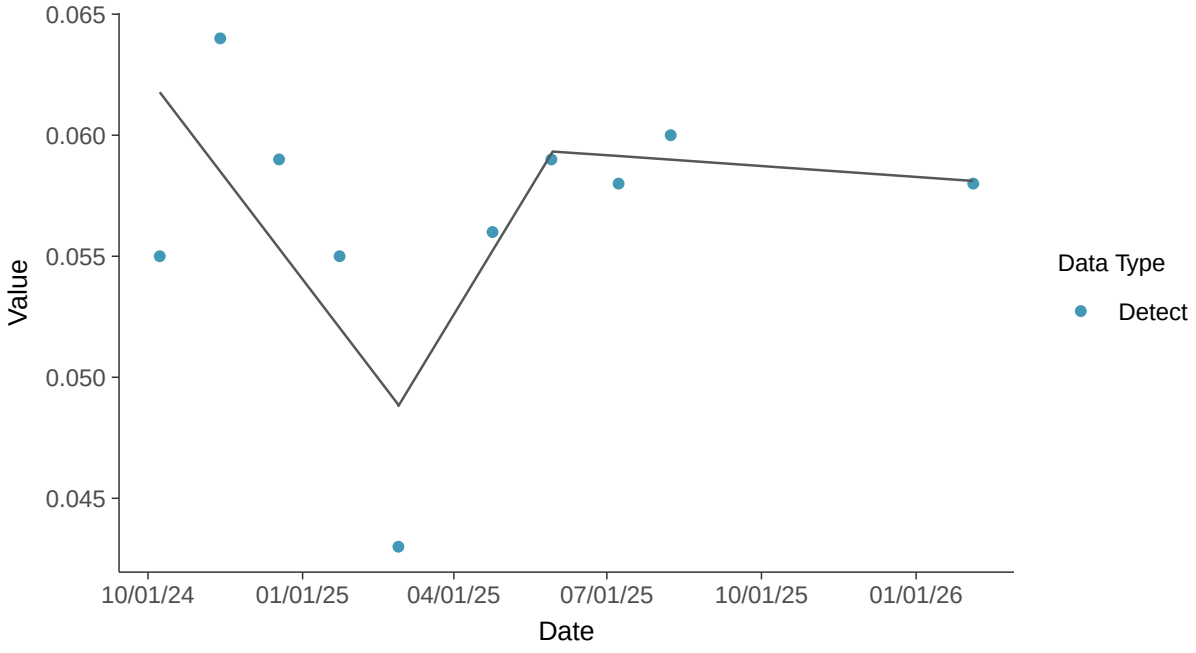
Trend Regression: Piecewise Linear-Linear

Barium, MW-18B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Barium, MW-18B (mg/l)

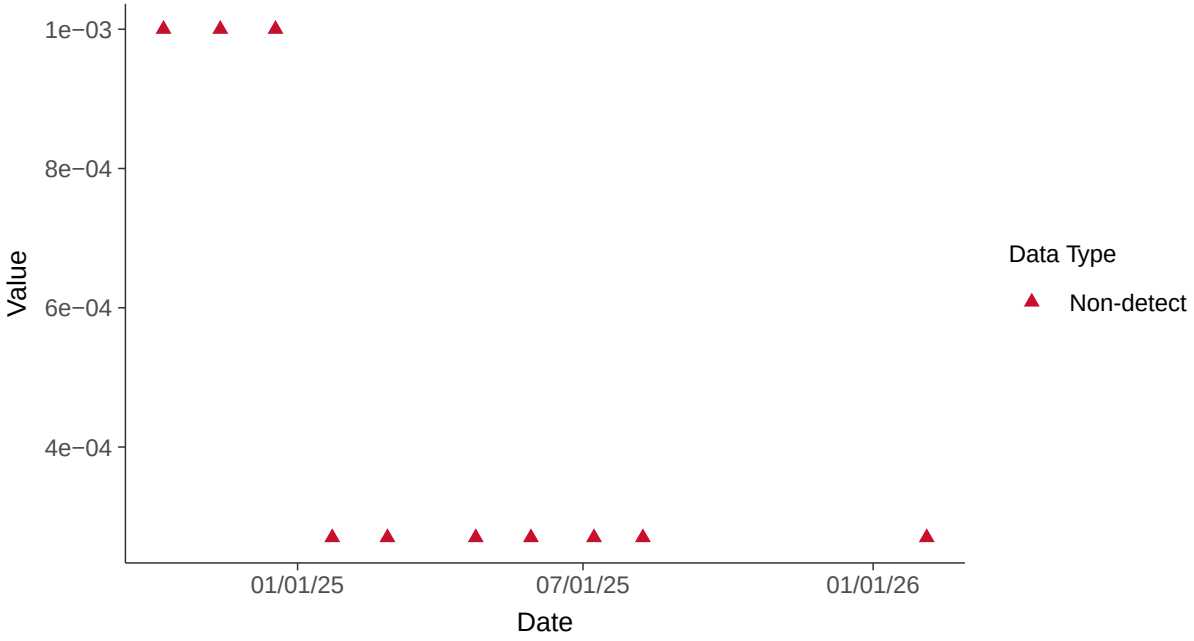


Appendix IV: Beryllium, MW-18B

ID: 29_3_104

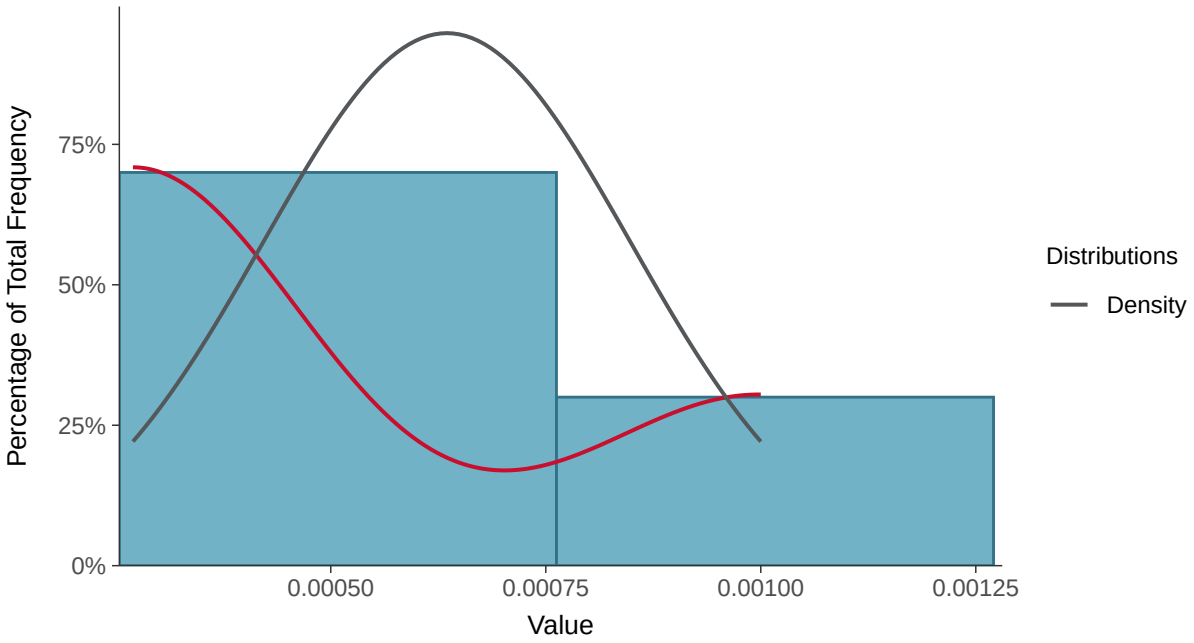
Scatter Plot

Beryllium, MW-18B (mg/l)



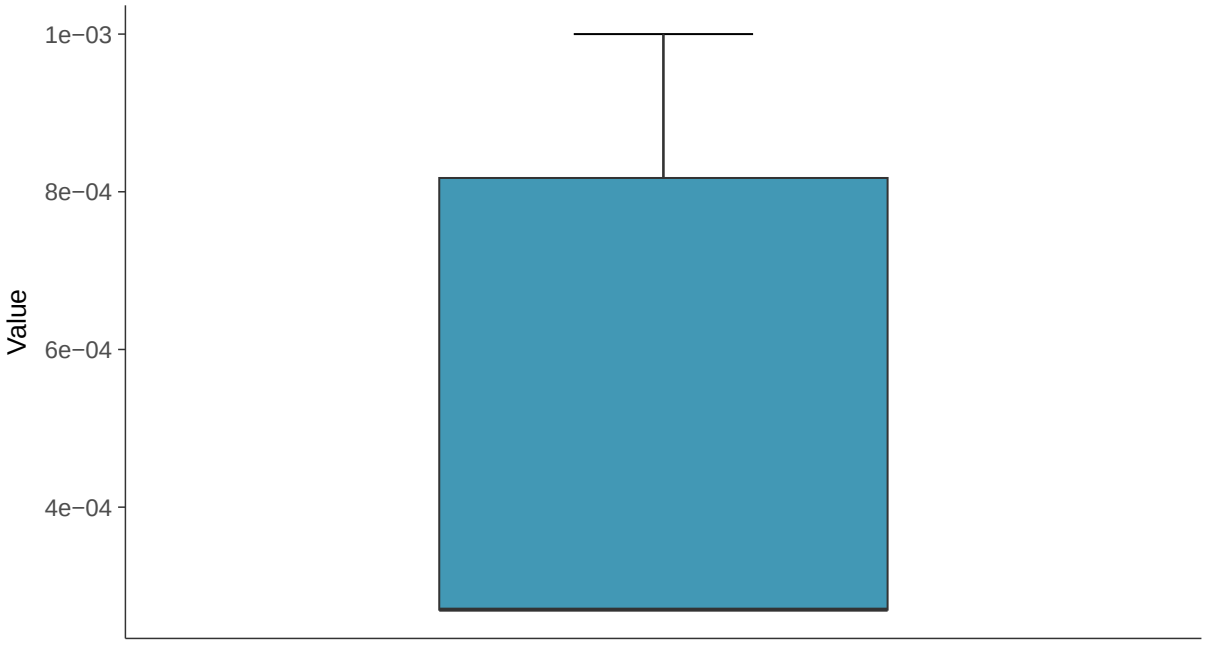
Histogram

Beryllium, MW-18B (mg/l)



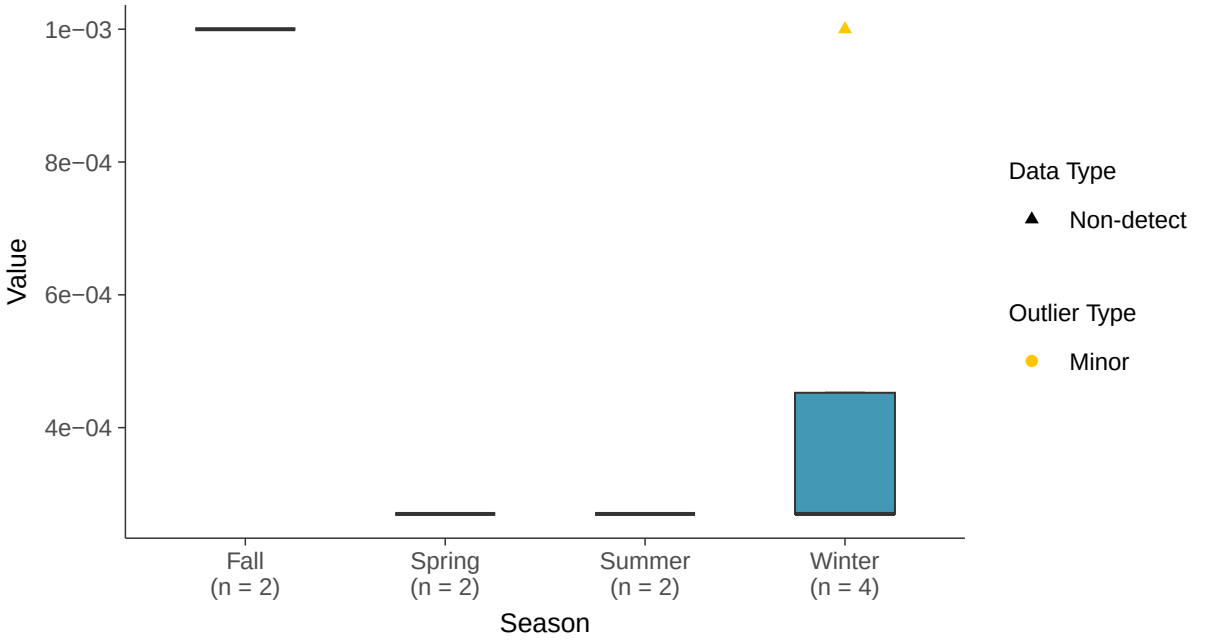
Boxplot

Beryllium, MW-18B (mg/l)



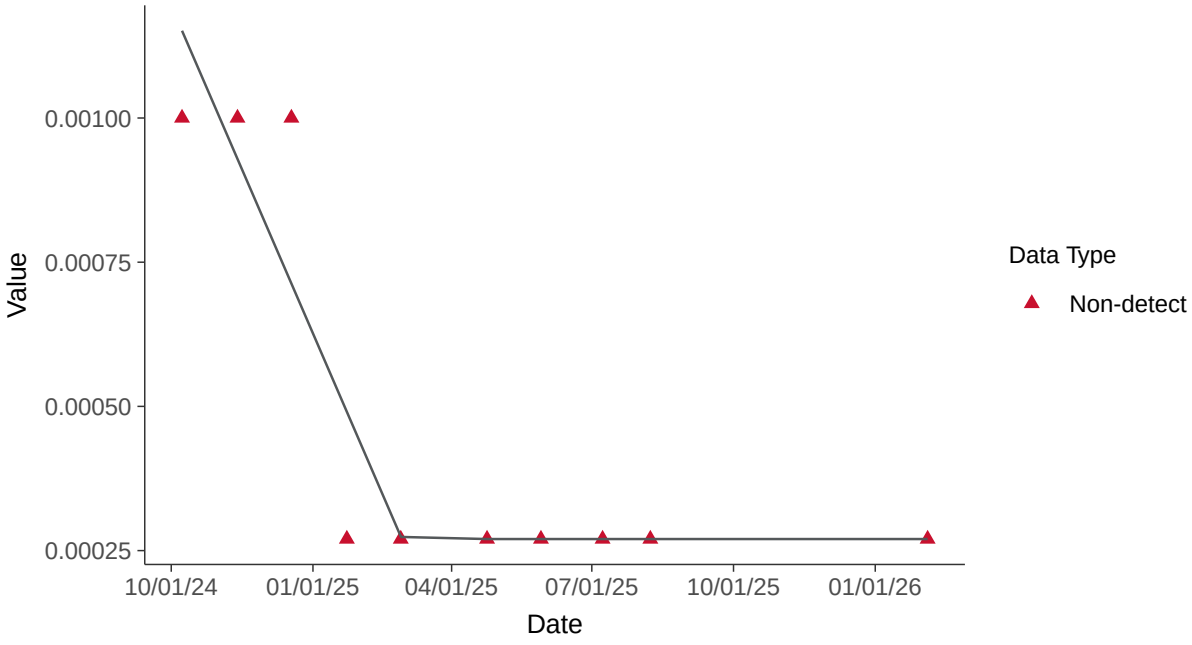
Boxplot by Season

Beryllium, MW-18B (mg/l)



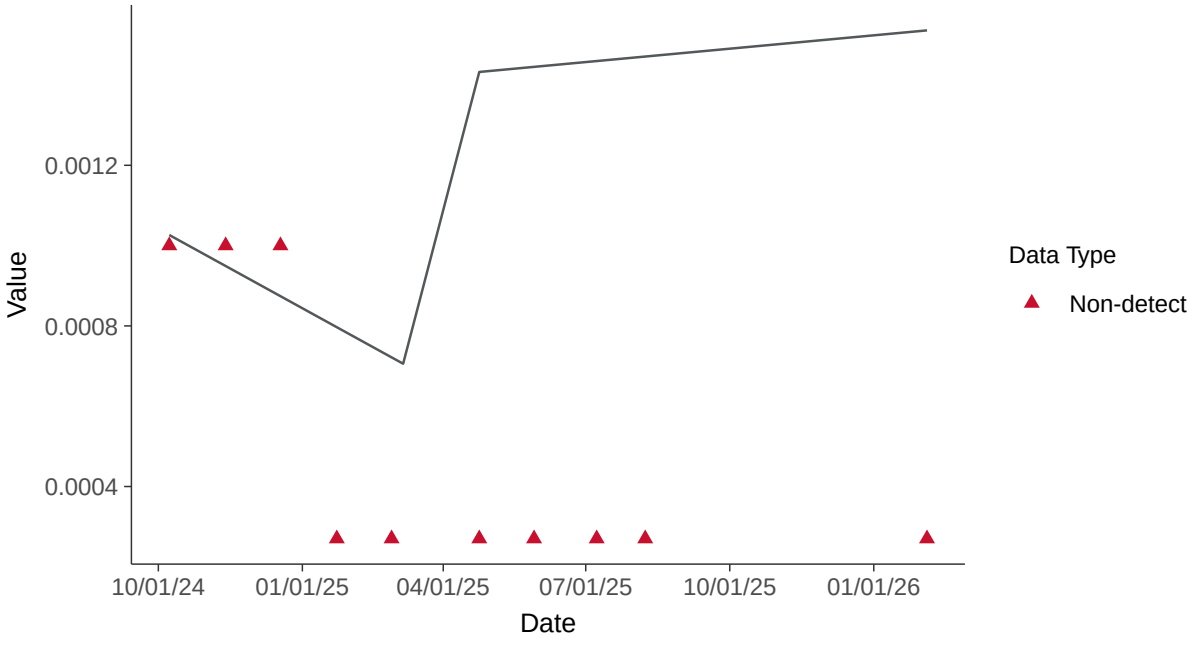
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-18B (mg/l)



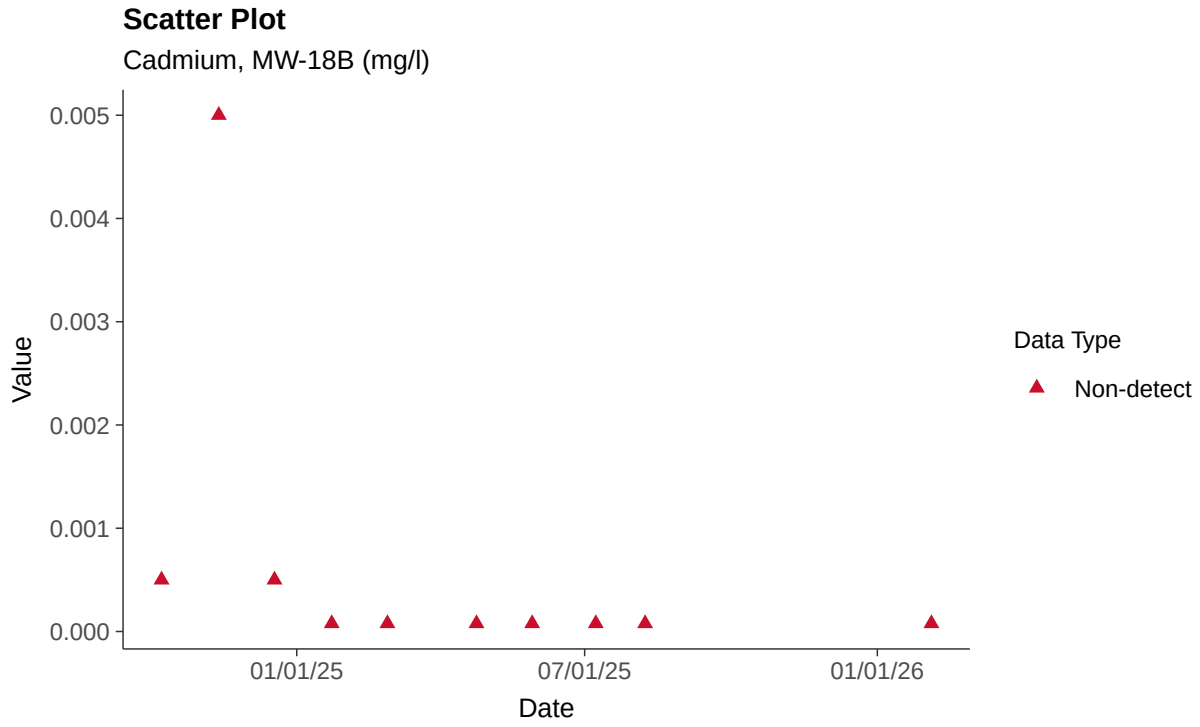
Trend Regression: Piecewise Linear-Linear-Linear

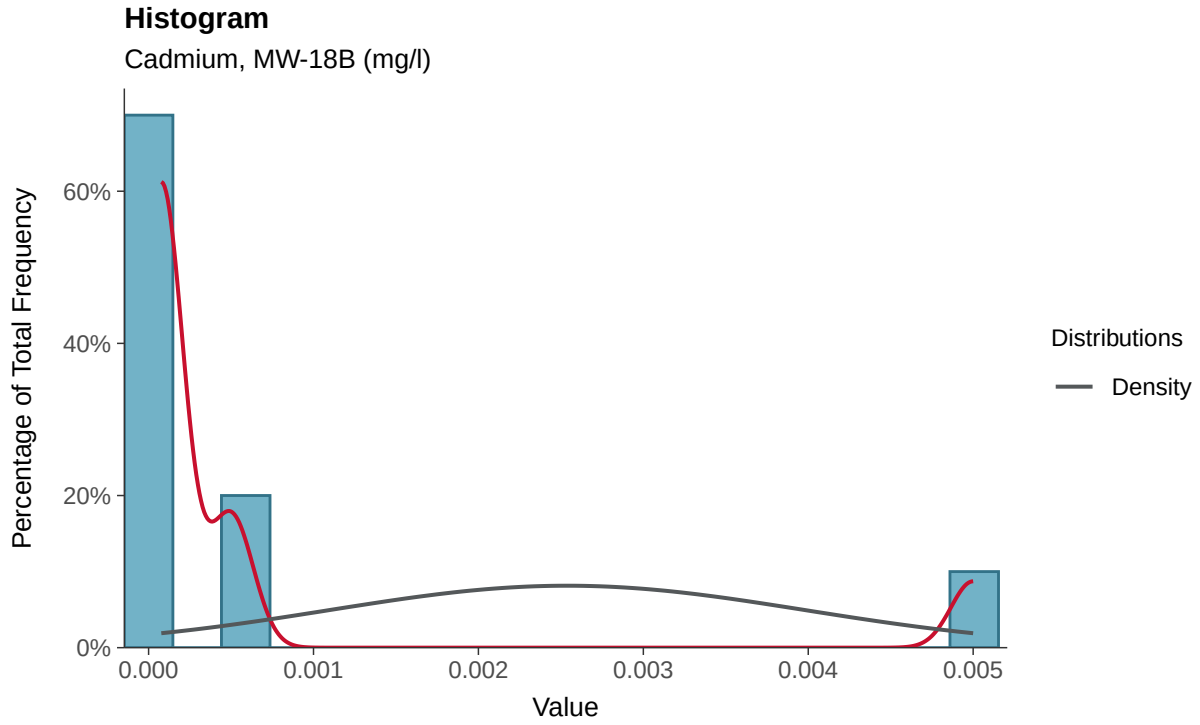
Beryllium, MW-18B (mg/l)



Appendix IV: Cadmium, MW-18B

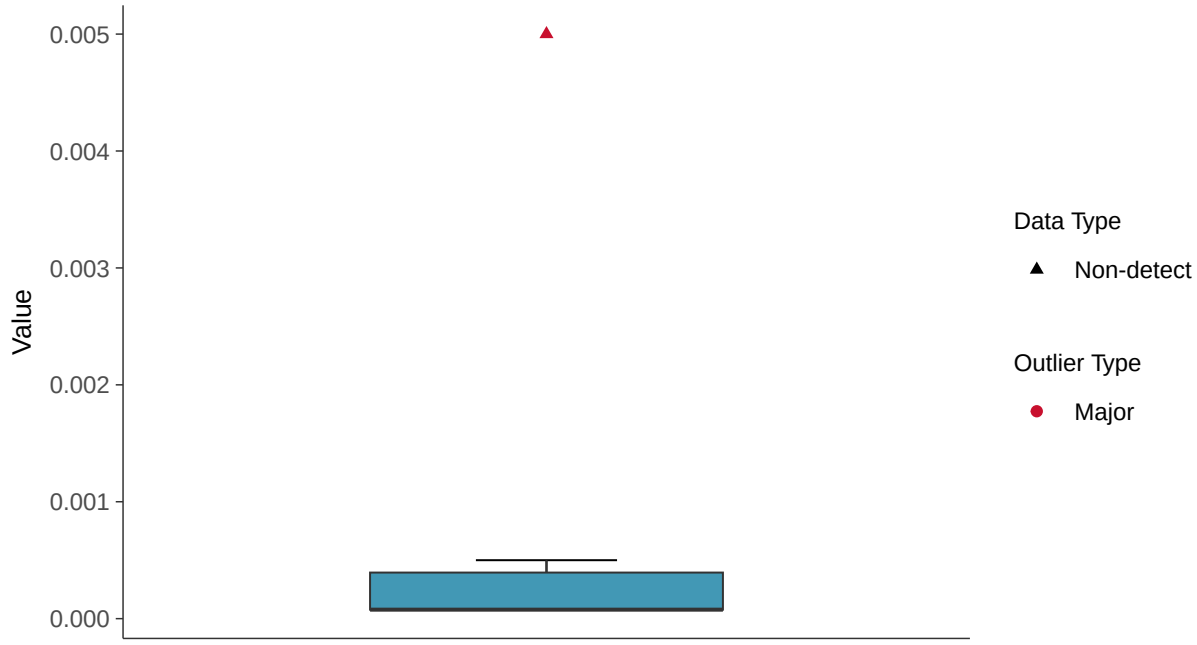
ID: 29_3_106





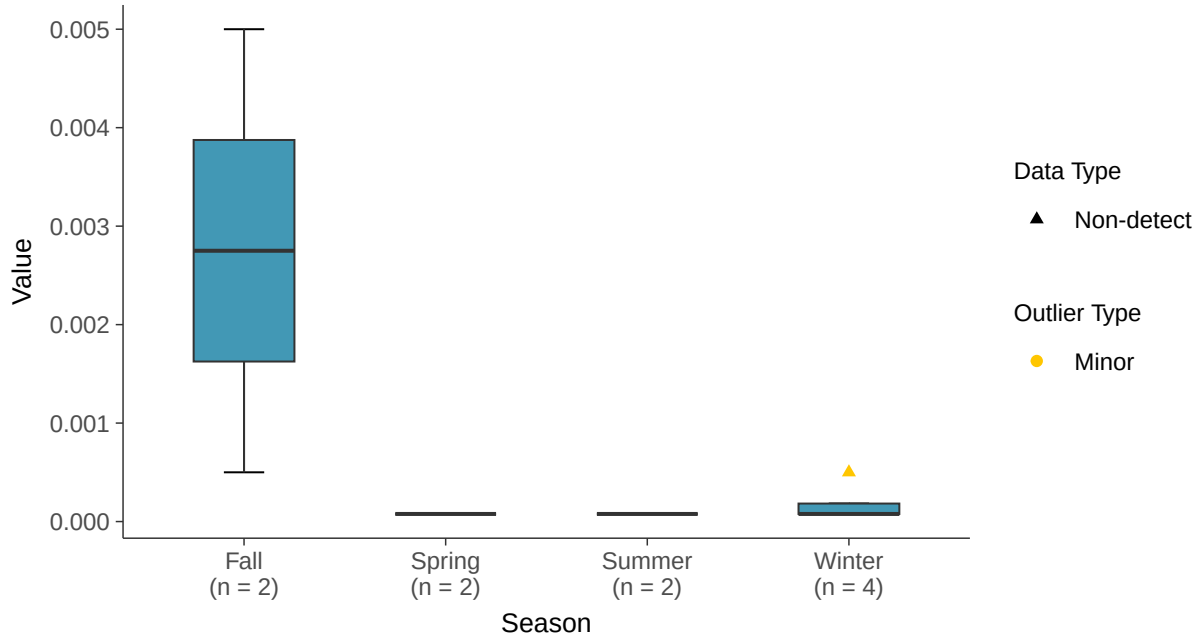
Boxplot

Cadmium, MW-18B (mg/l)



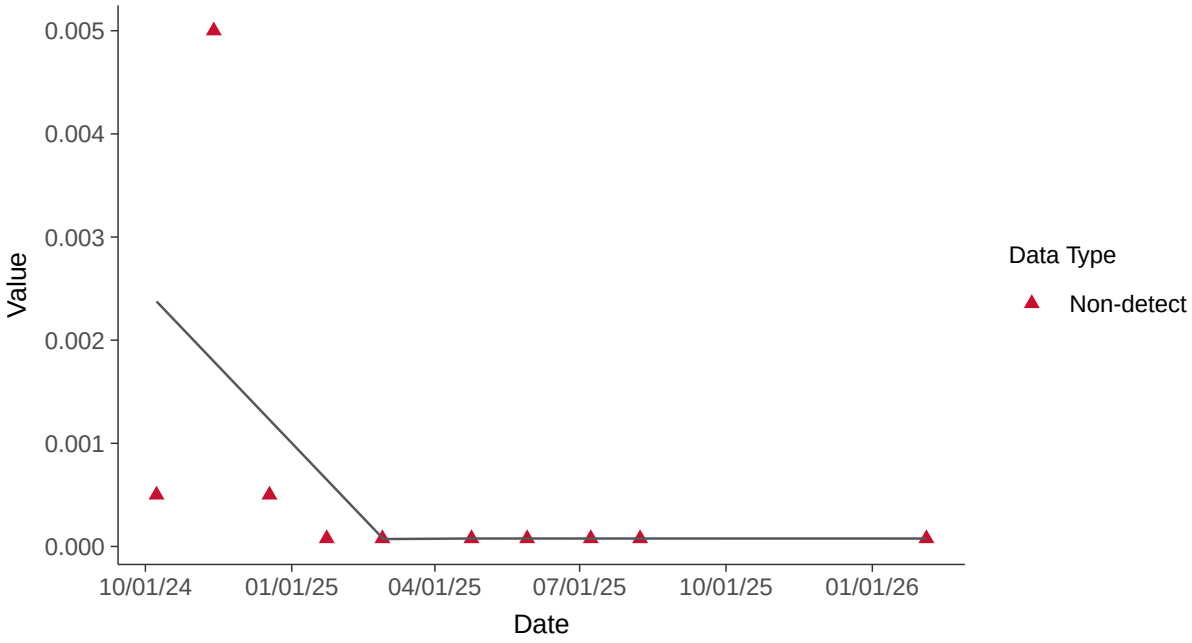
Boxplot by Season

Cadmium, MW-18B (mg/l)



Trend Regression: Piecewise Linear-Linear

Cadmium, MW-18B (mg/l)

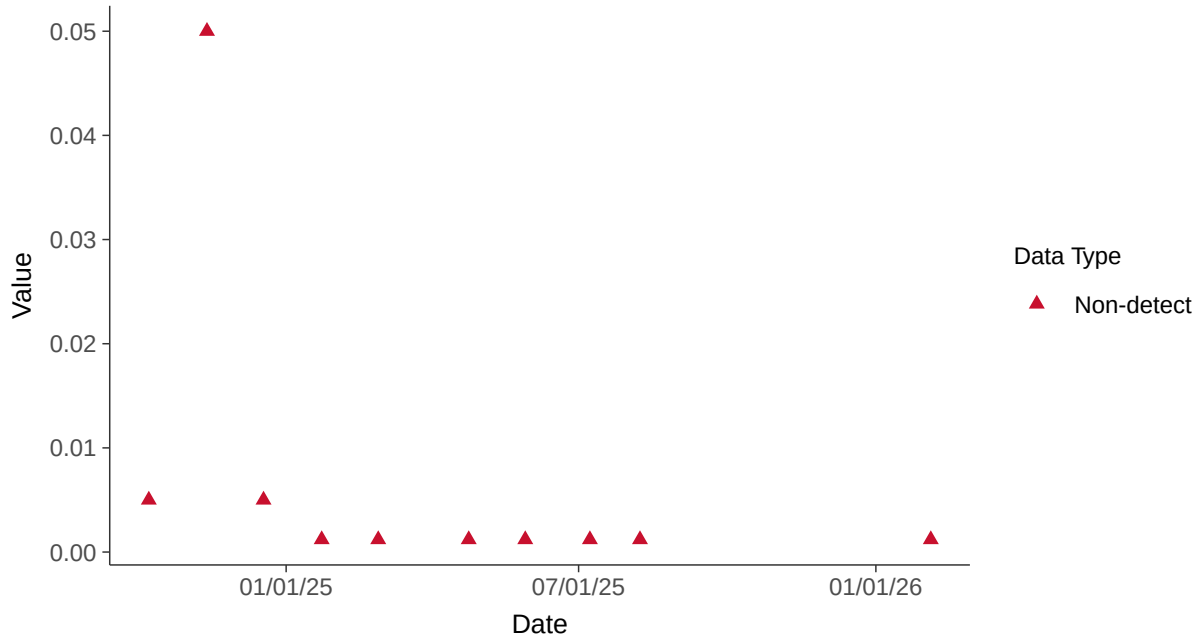


Appendix IV: Chromium, MW-18B

ID: 29_3_109

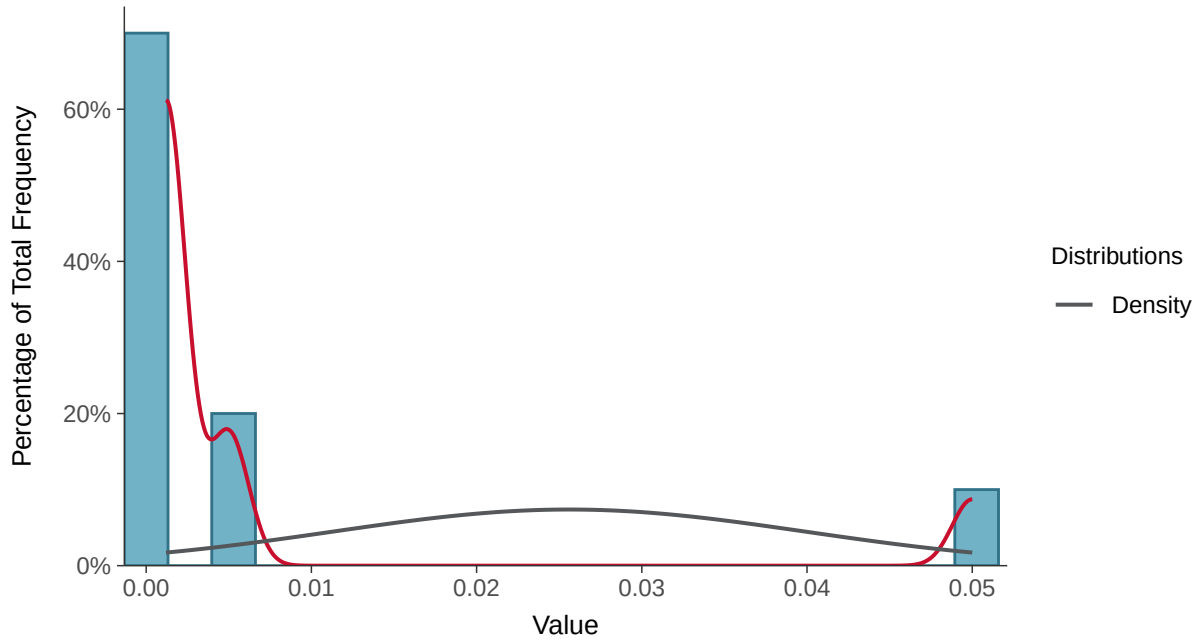
Scatter Plot

Chromium, MW-18B (mg/l)



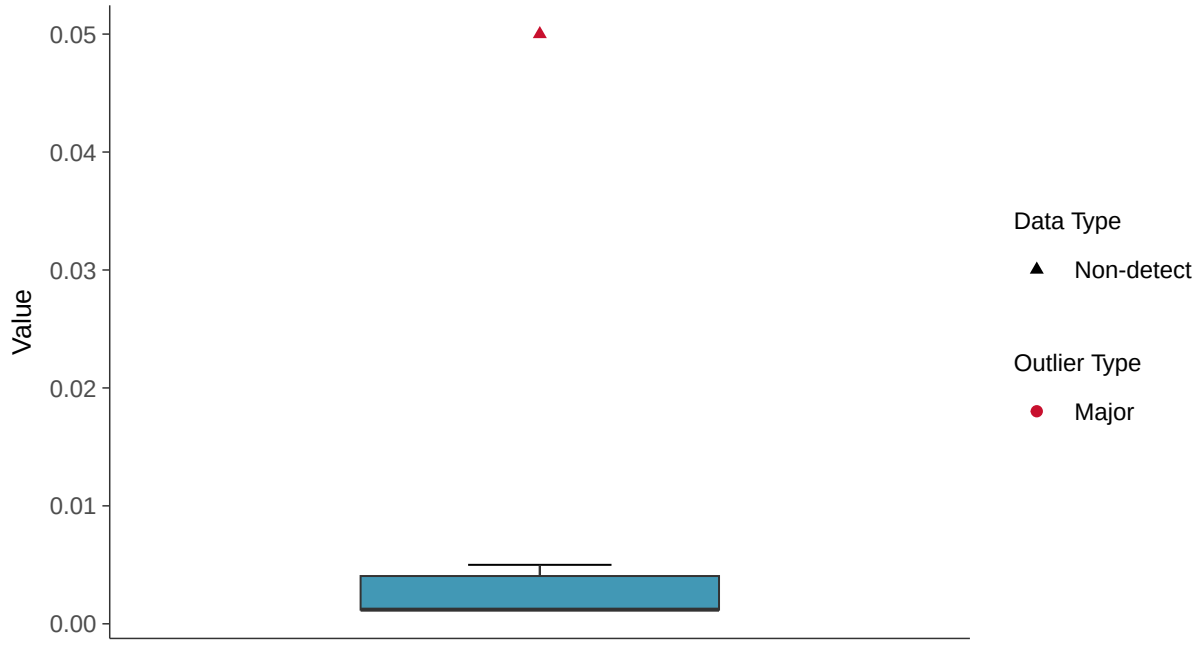
Histogram

Chromium, MW-18B (mg/l)



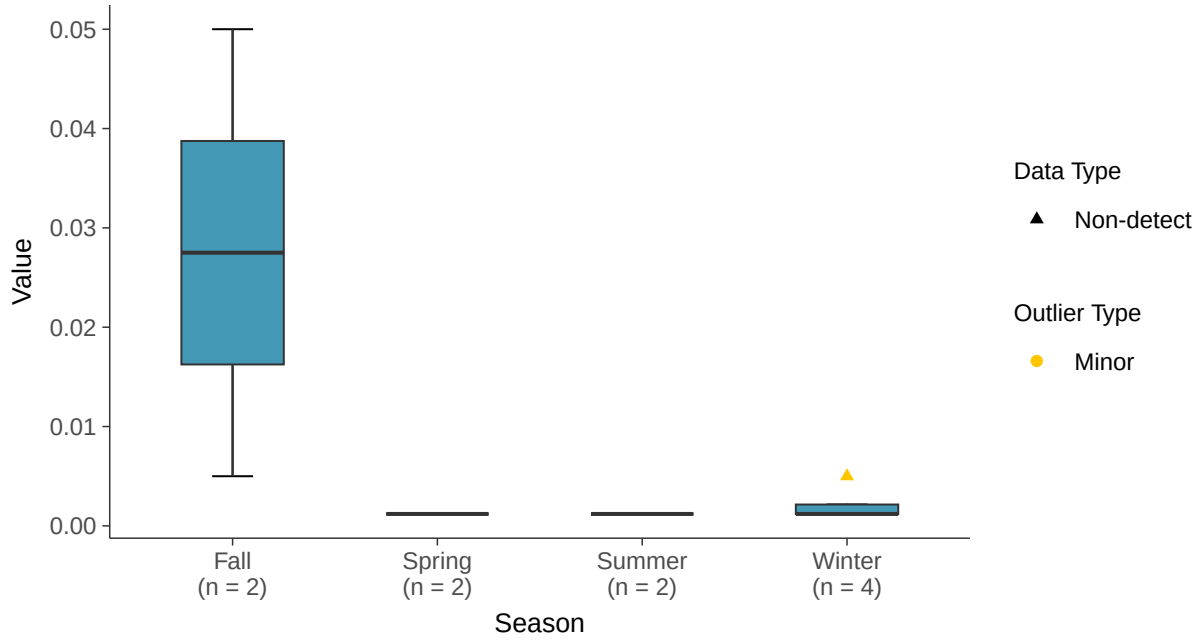
Boxplot

Chromium, MW-18B (mg/l)



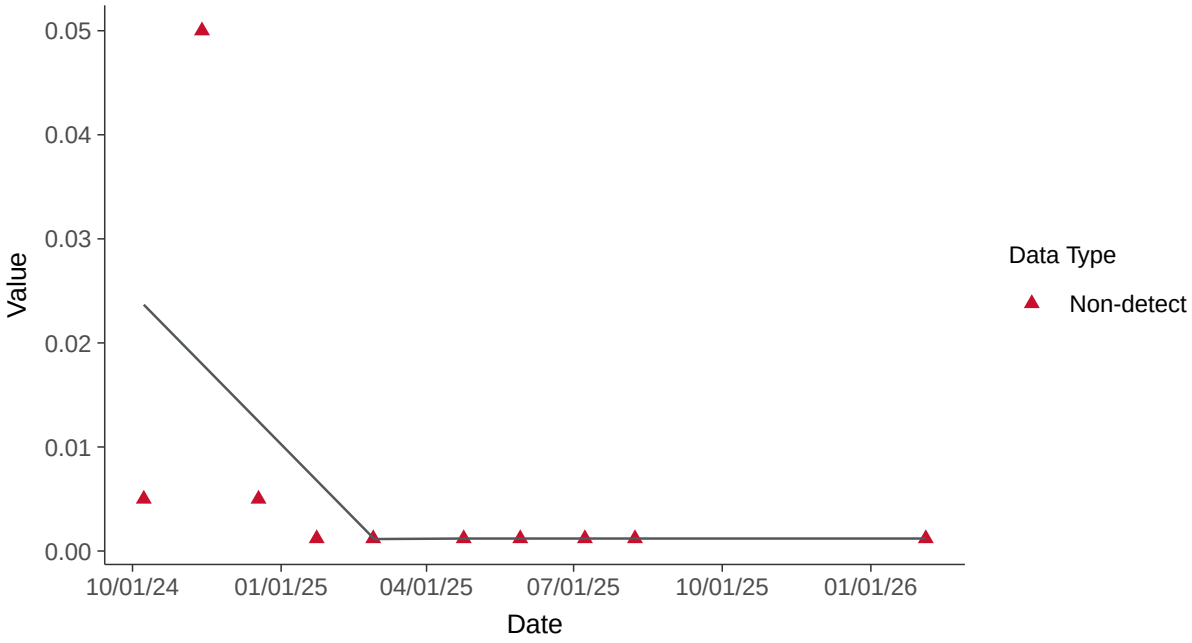
Boxplot by Season

Chromium, MW-18B (mg/l)



Trend Regression: Piecewise Linear-Linear

Chromium, MW-18B (mg/l)

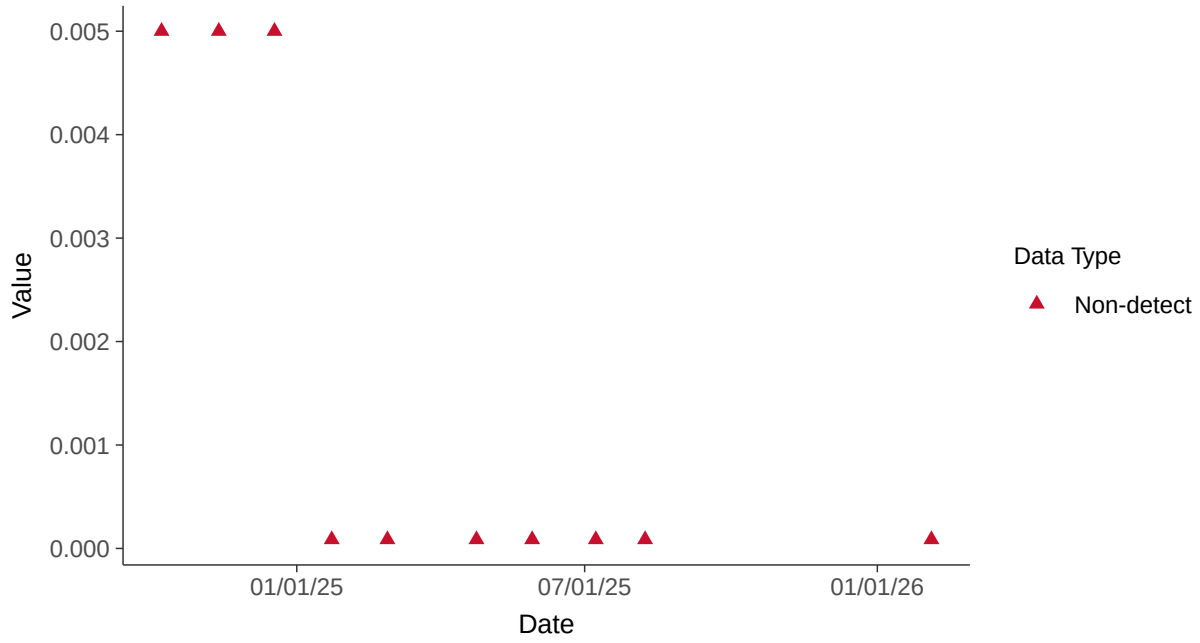


Appendix IV: Cobalt, MW-18B

ID: 29_3_110

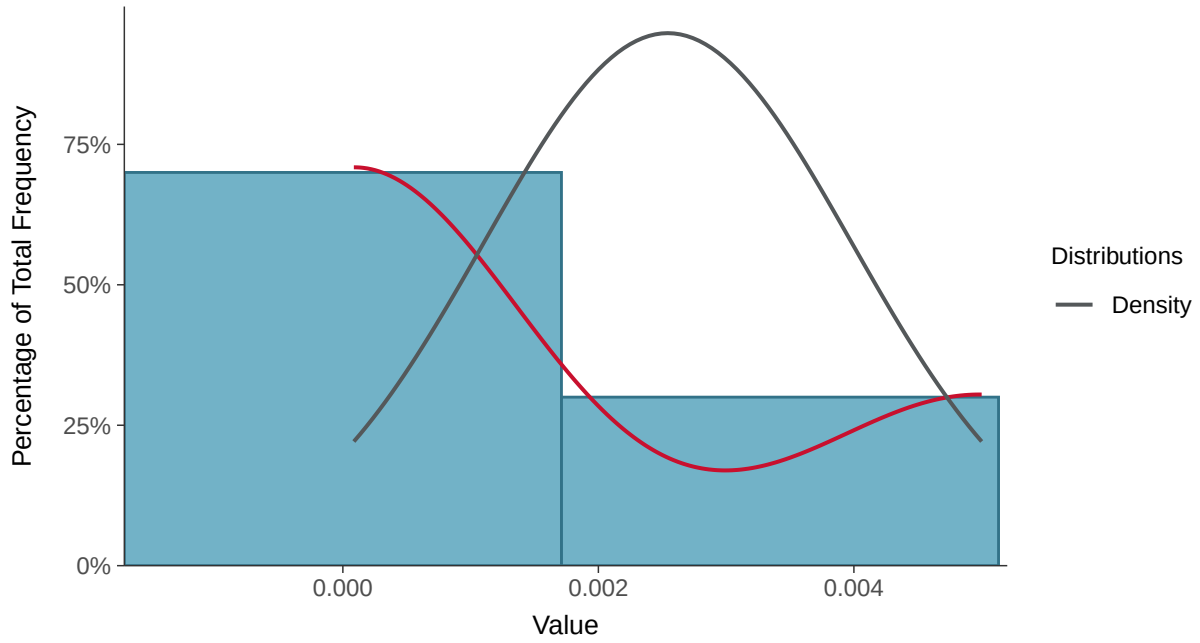
Scatter Plot

Cobalt, MW-18B (mg/l)



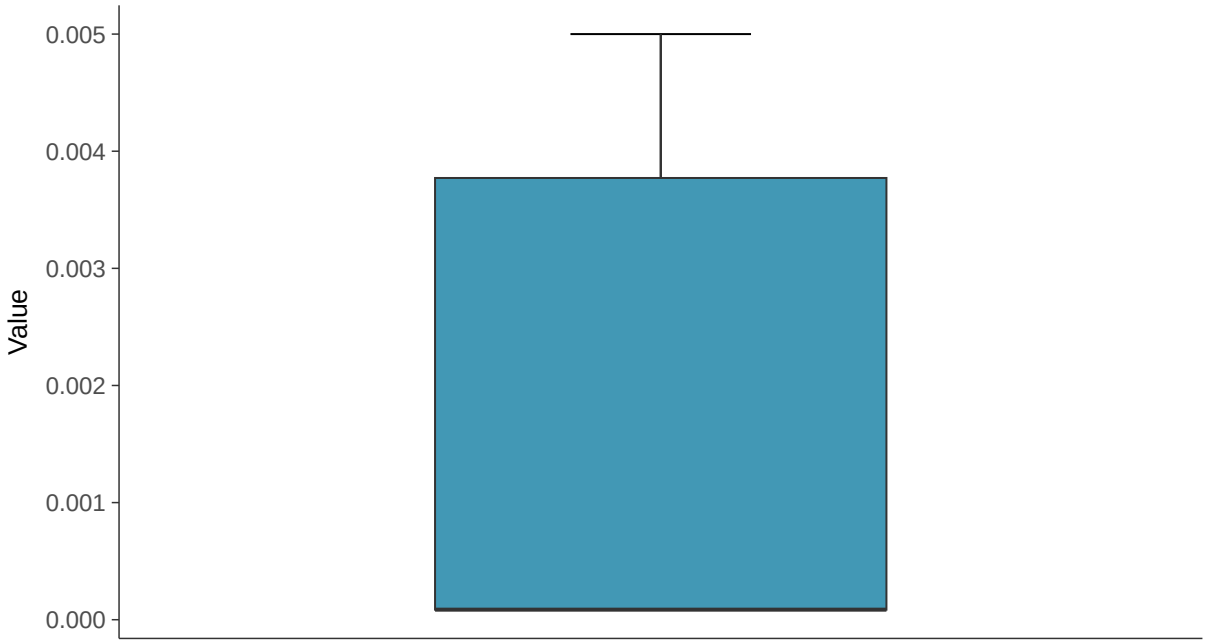
Histogram

Cobalt, MW-18B (mg/l)



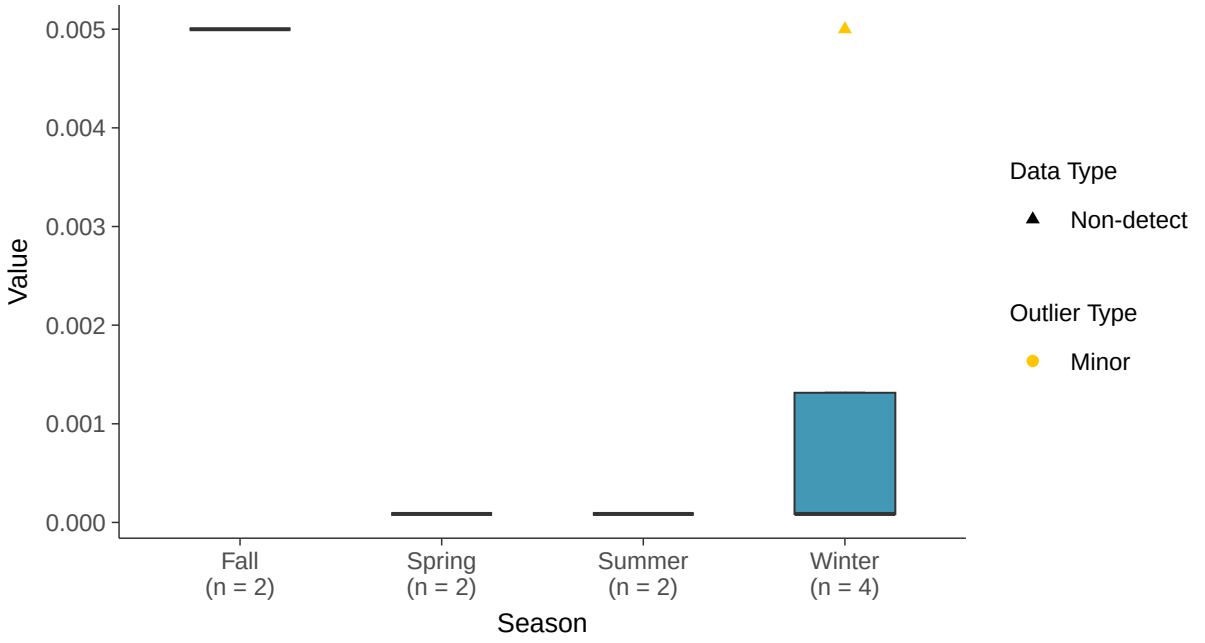
Boxplot

Cobalt, MW-18B (mg/l)



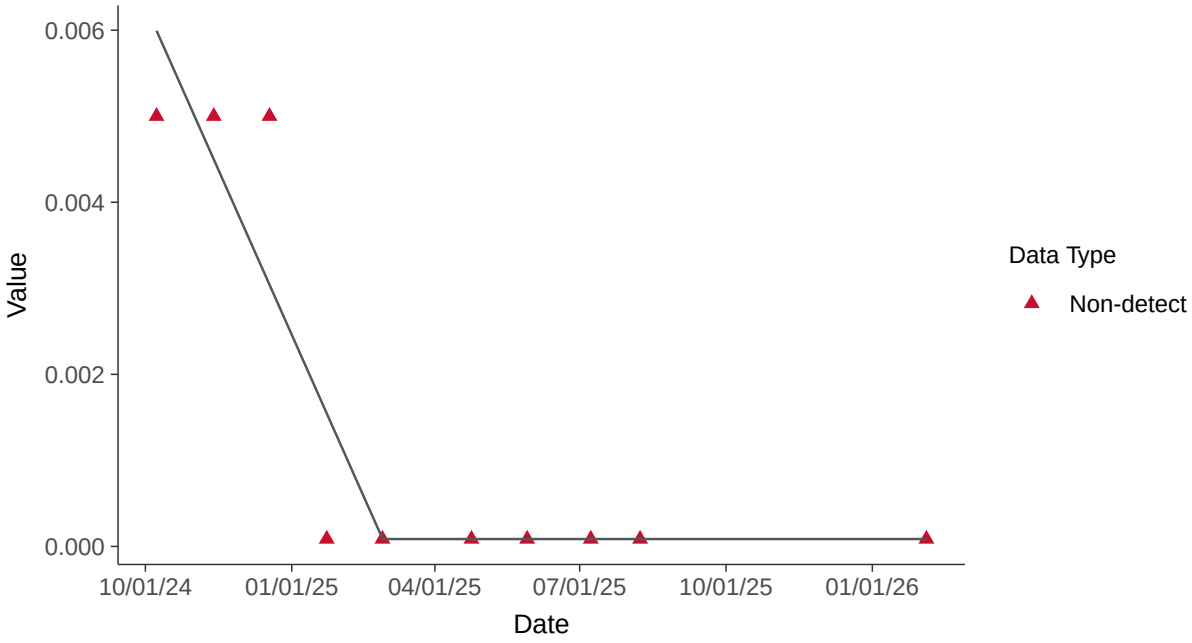
Boxplot by Season

Cobalt, MW-18B (mg/l)



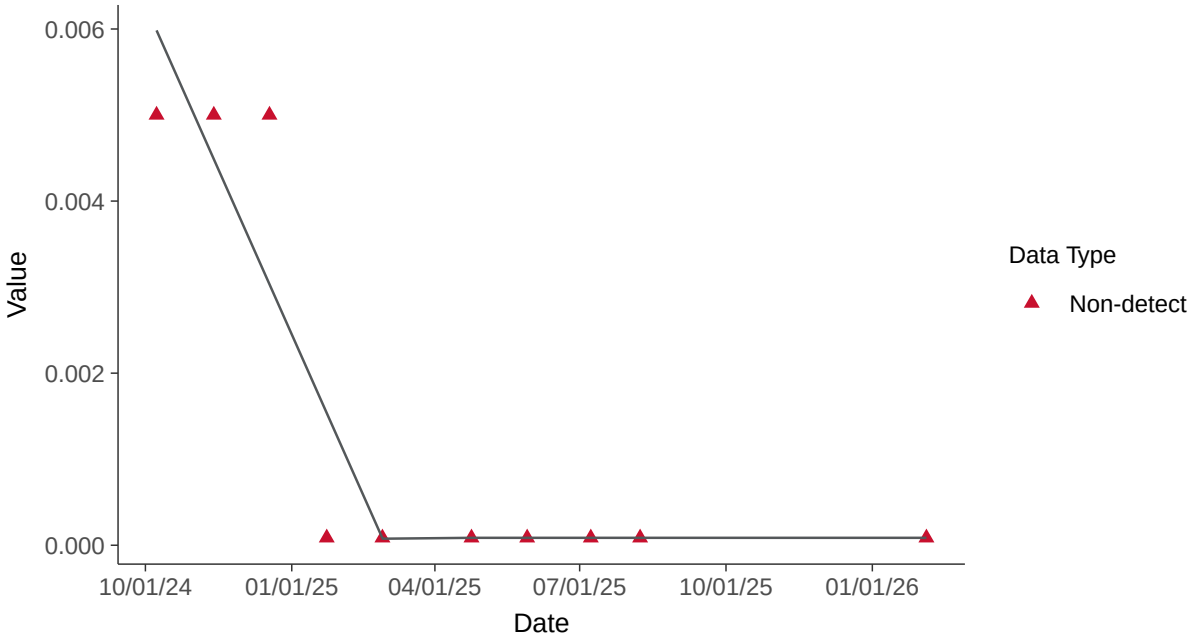
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-18B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Cobalt, MW-18B (mg/l)

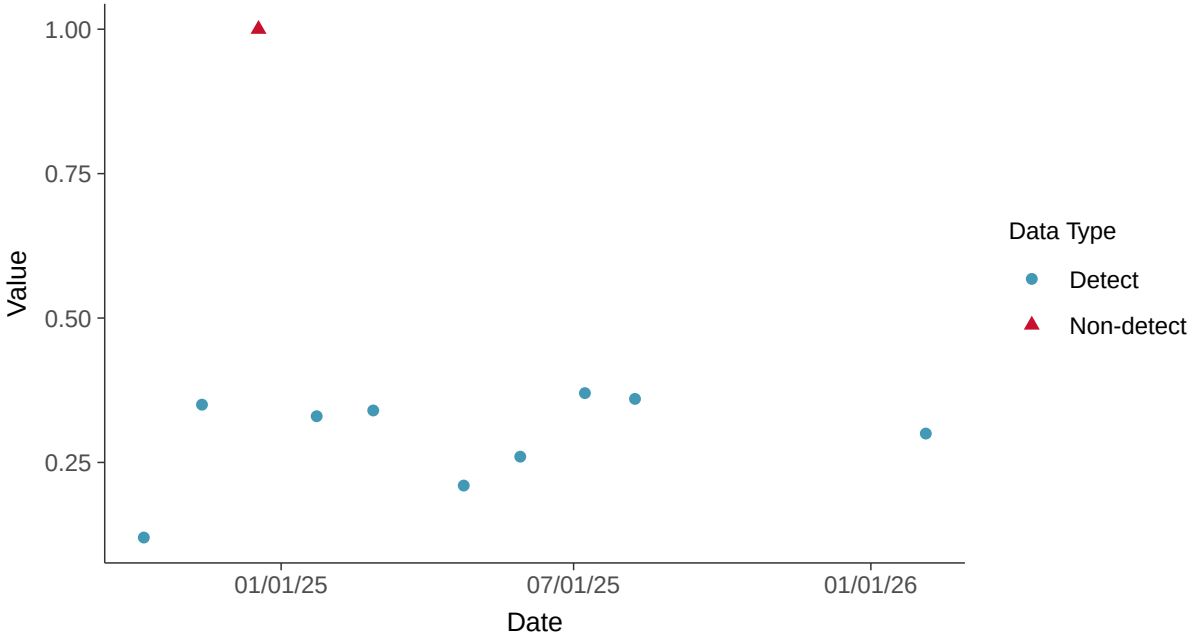


Appendix IV: Fluoride (App IV), MW-18B

ID: 29_3_113

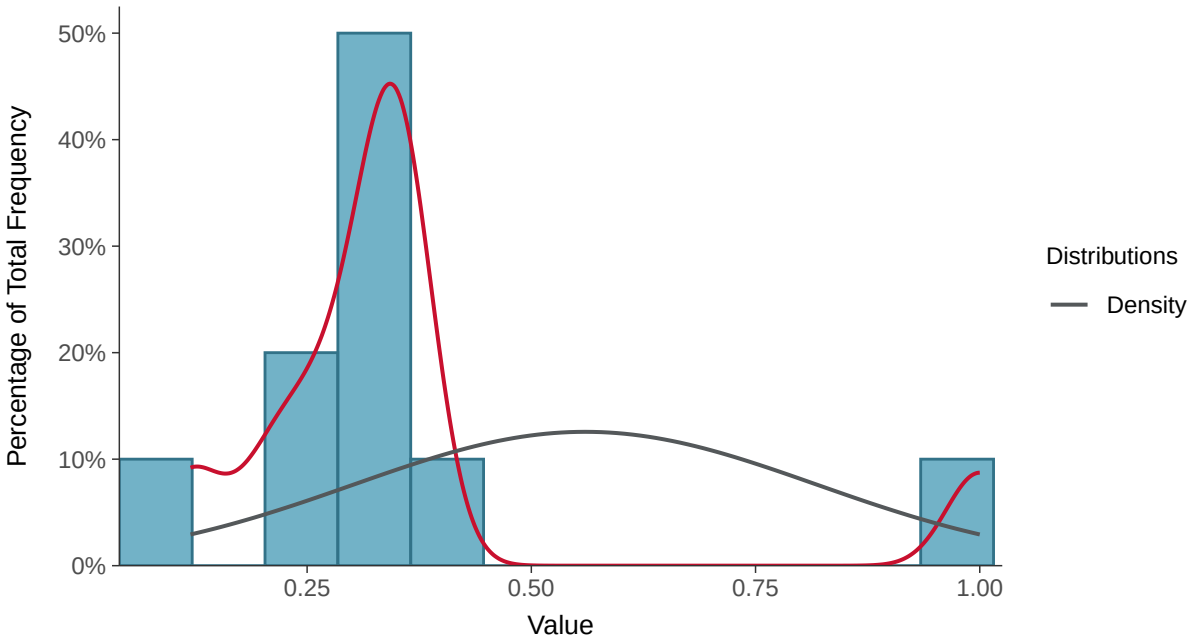
Scatter Plot

Fluoride (App IV), MW-18B (mg/l)



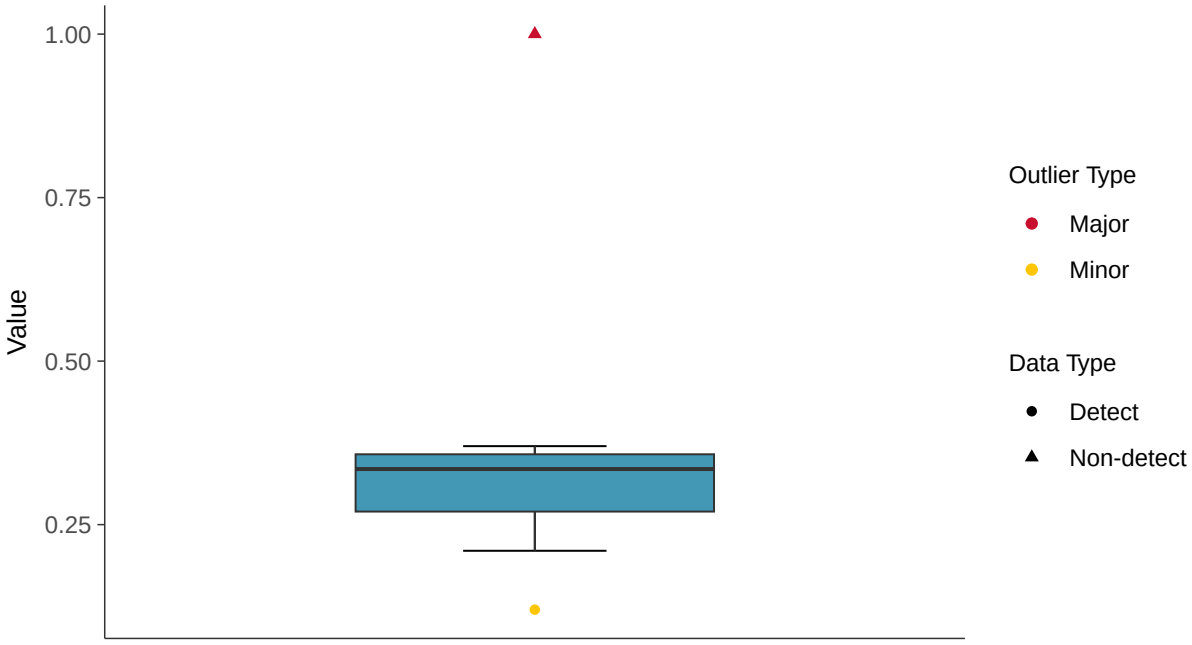
Histogram

Fluoride (App IV), MW-18B (mg/l)



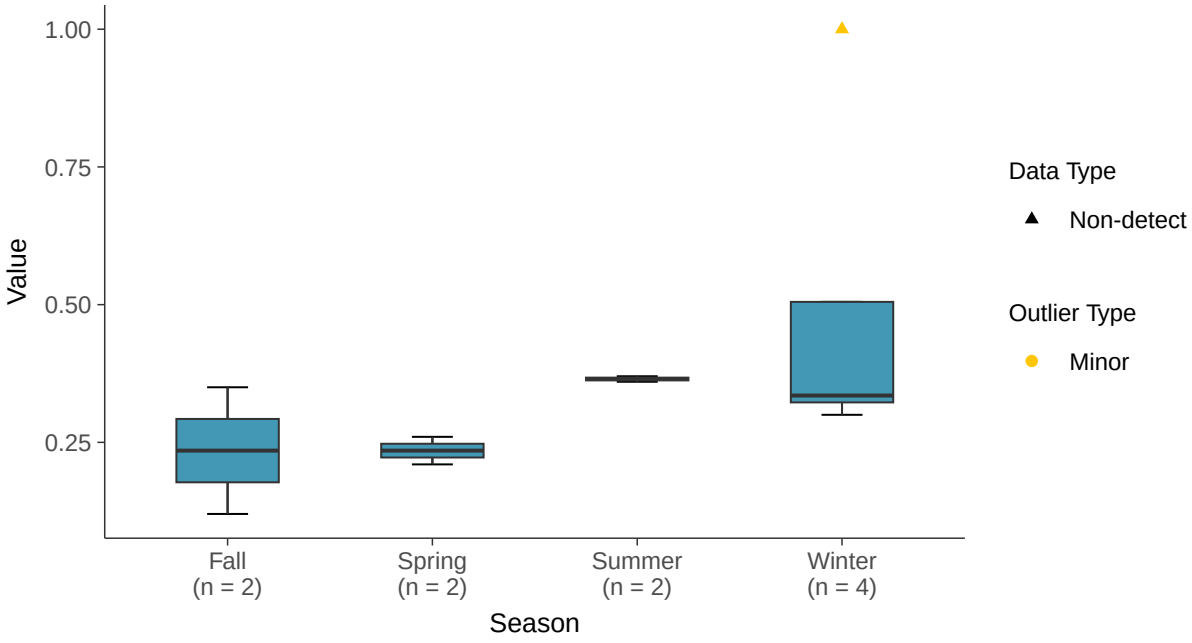
Boxplot

Fluoride (App IV), MW-18B (mg/l)



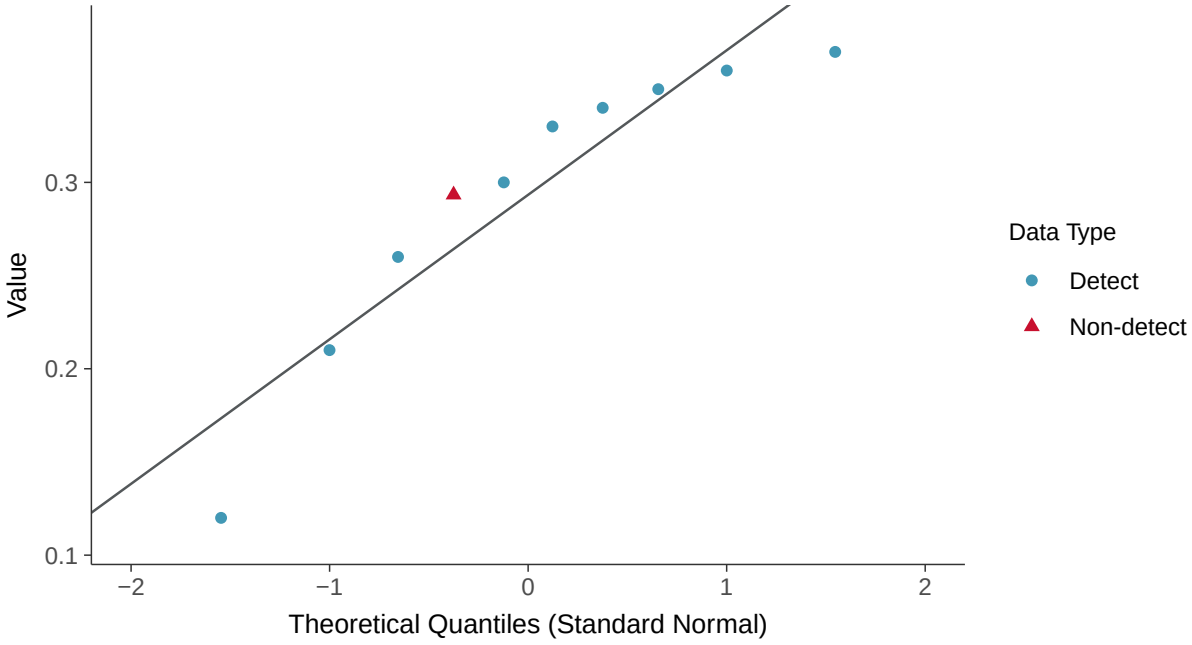
Boxplot by Season

Fluoride (App IV), MW-18B (mg/l)



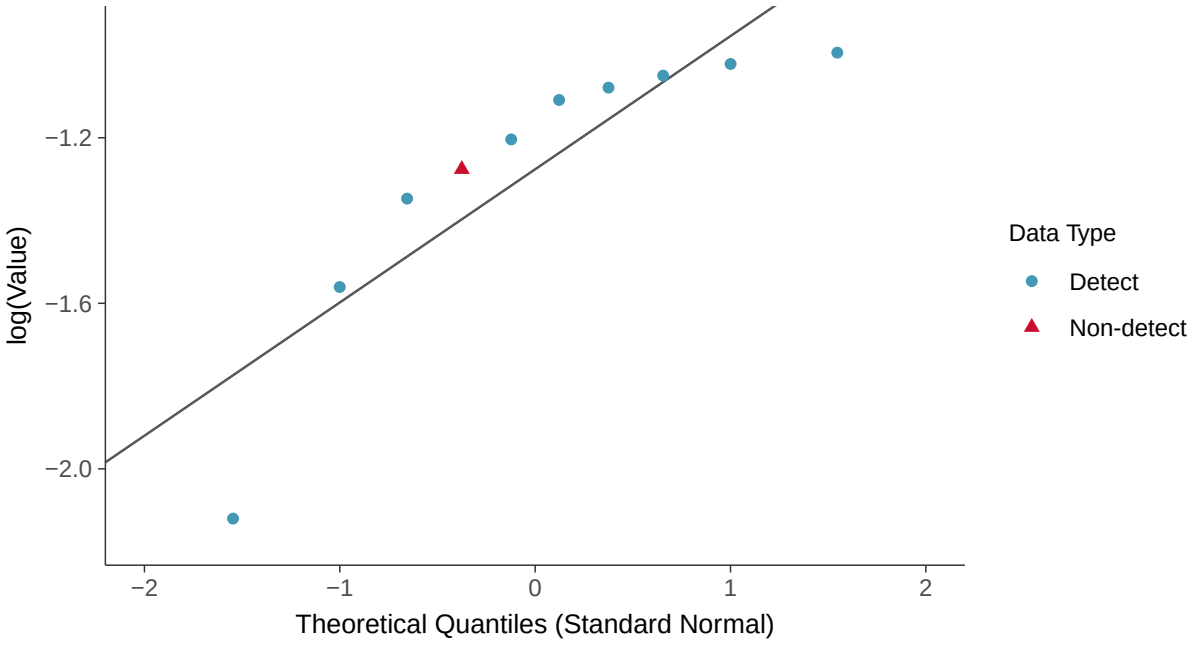
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-18B (mg/l)



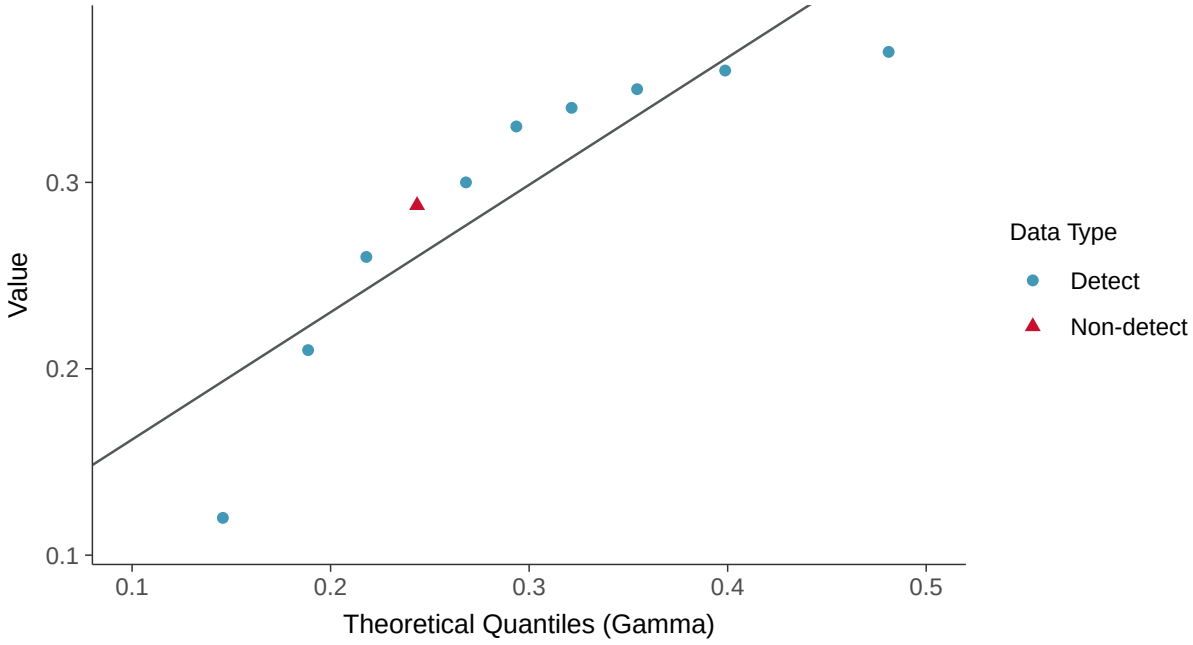
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-18B (mg/l)



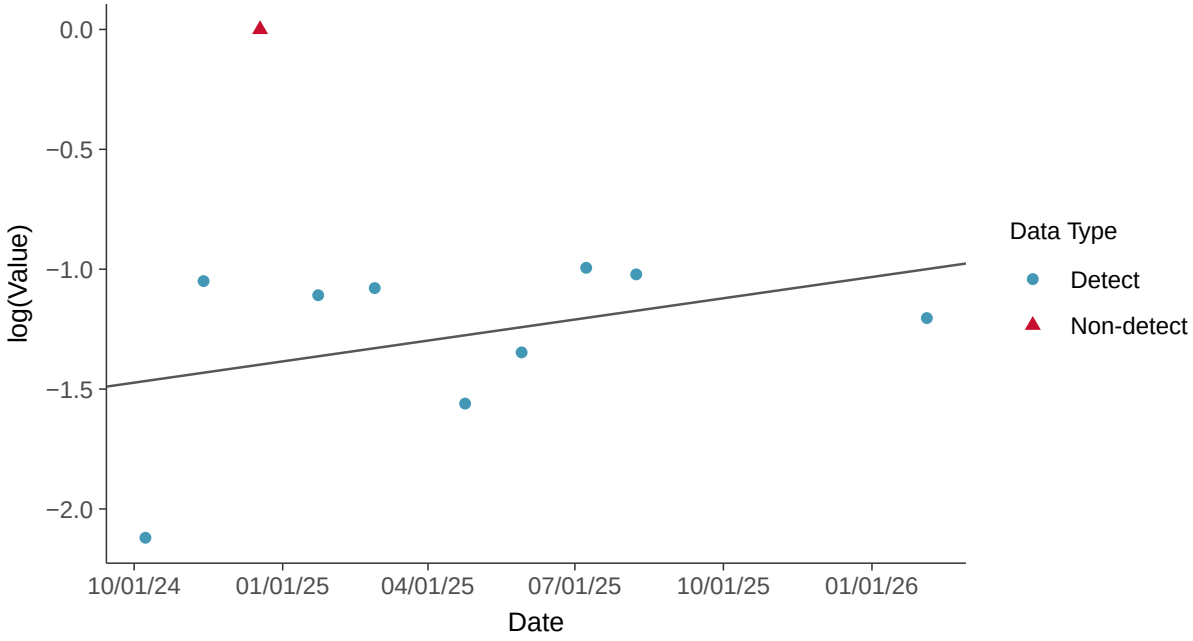
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-18B (mg/l)



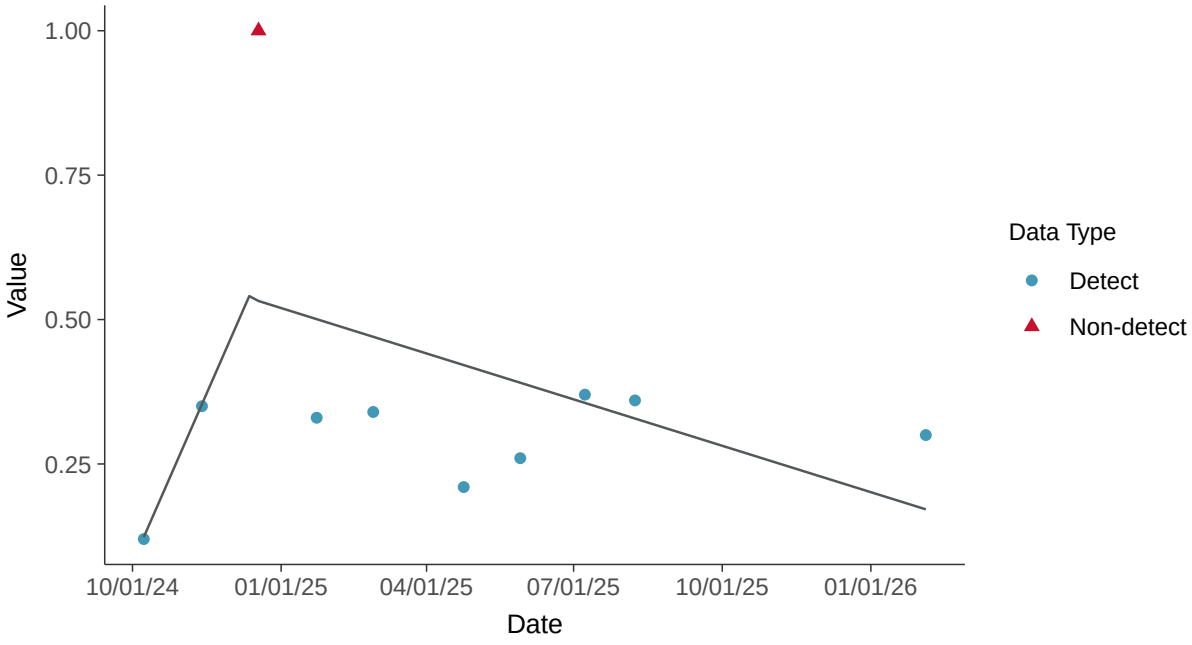
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-18B (mg/l)



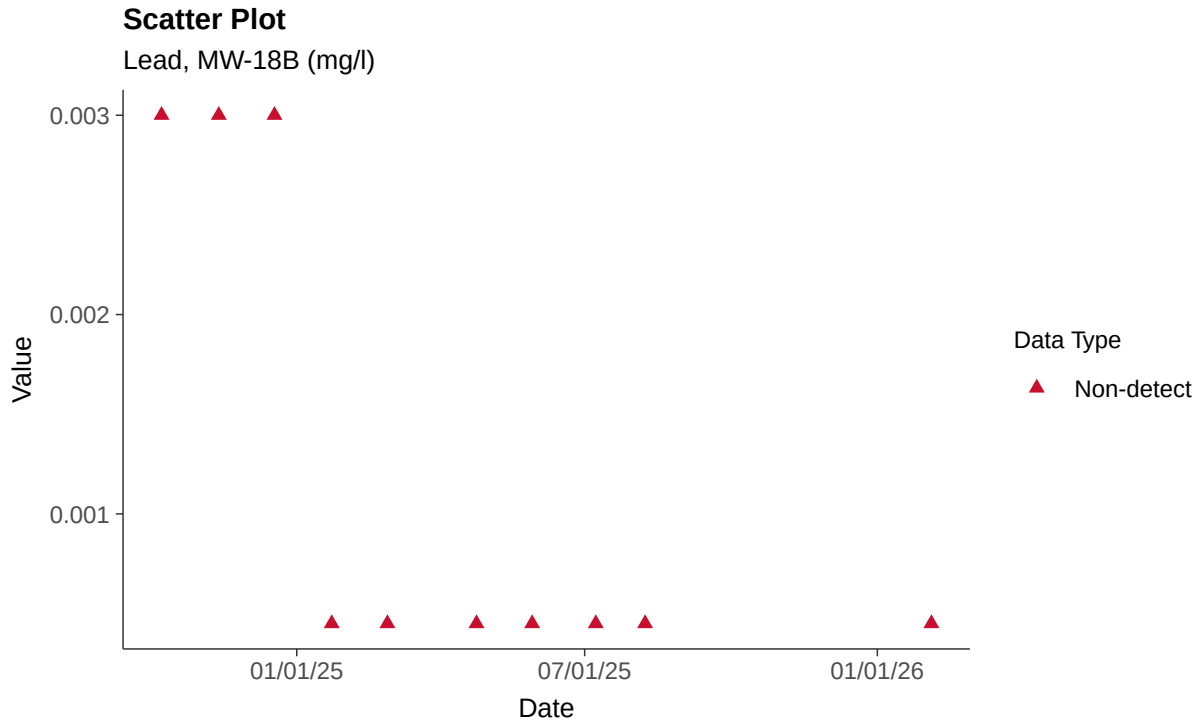
Trend Regression: Piecewise Linear-Linear

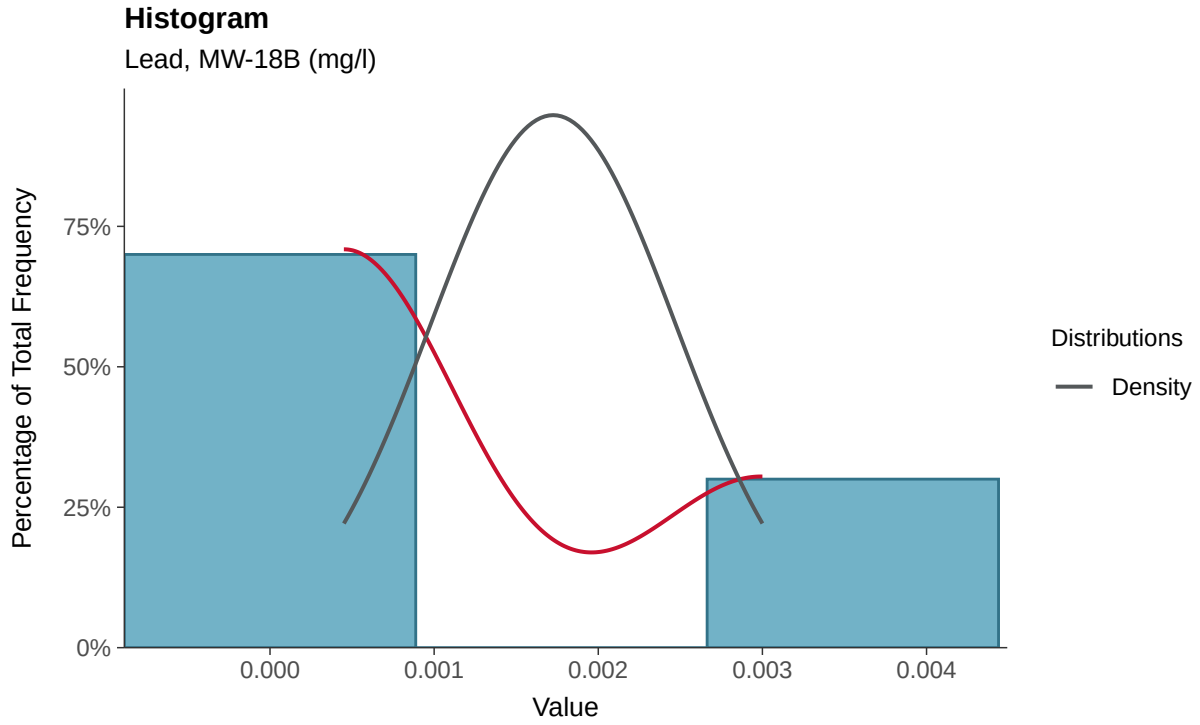
Fluoride (App IV), MW-18B (mg/l)



Appendix IV: Lead, MW-18B

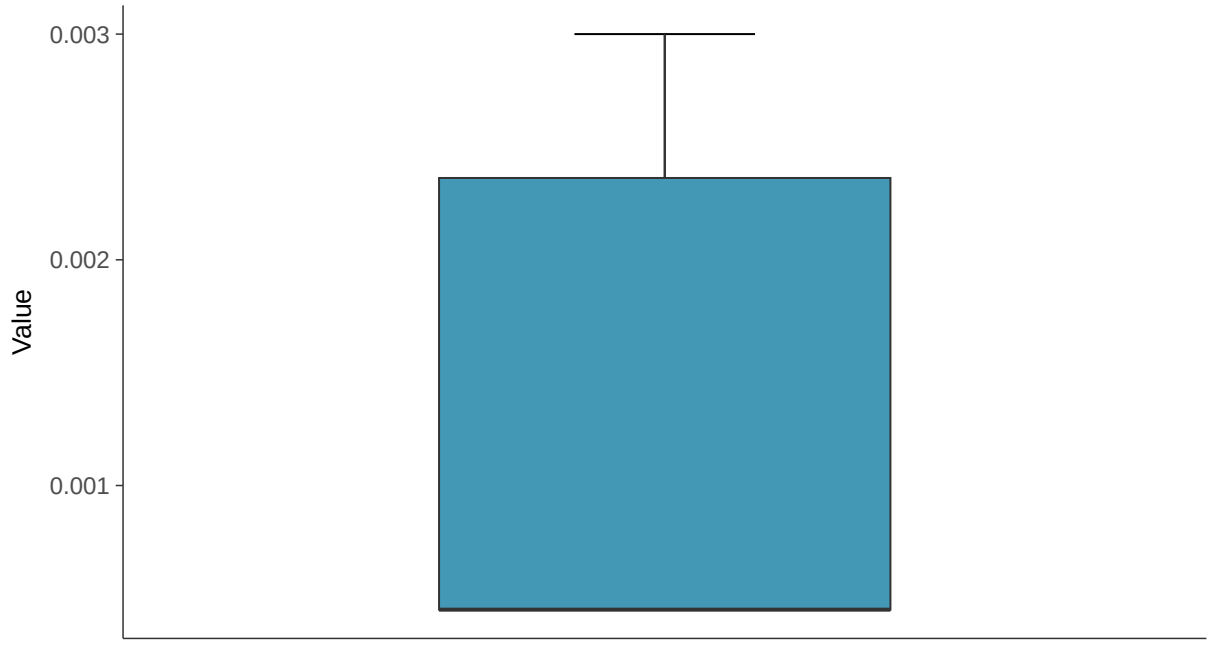
ID: 29_3_115





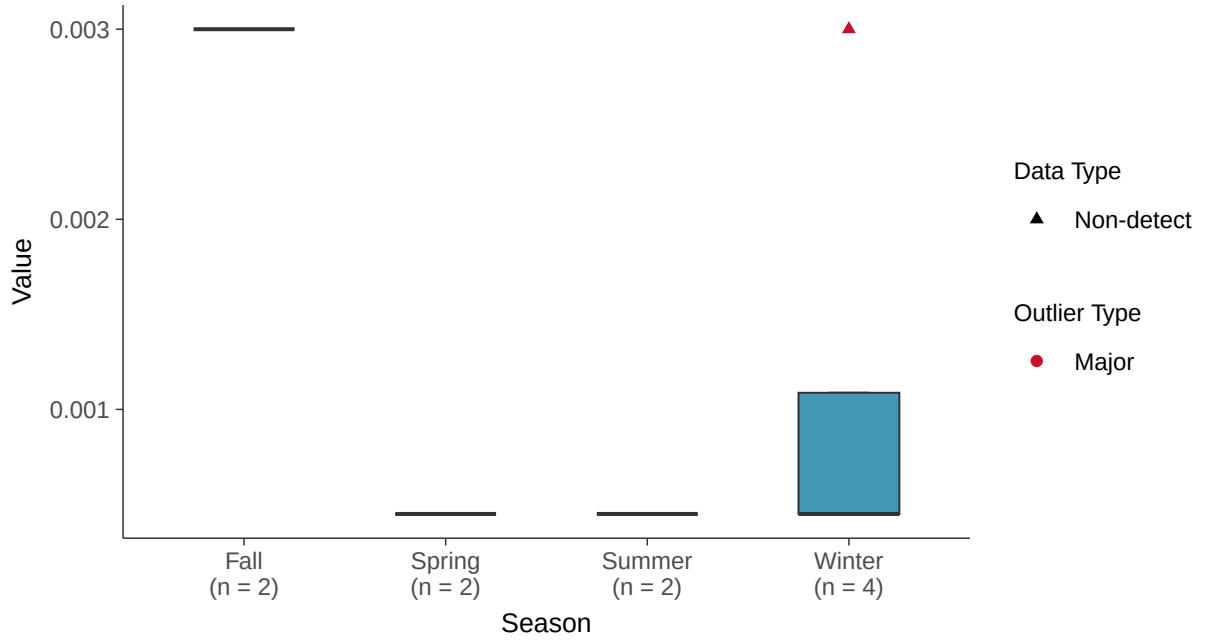
Boxplot

Lead, MW-18B (mg/l)



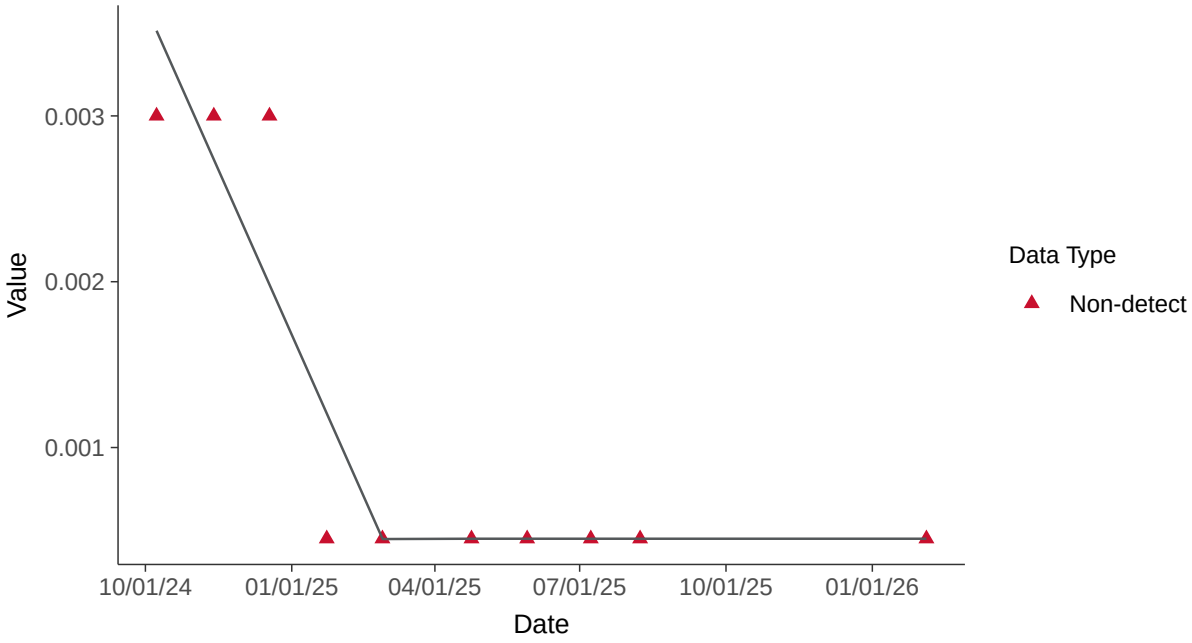
Boxplot by Season

Lead, MW-18B (mg/l)



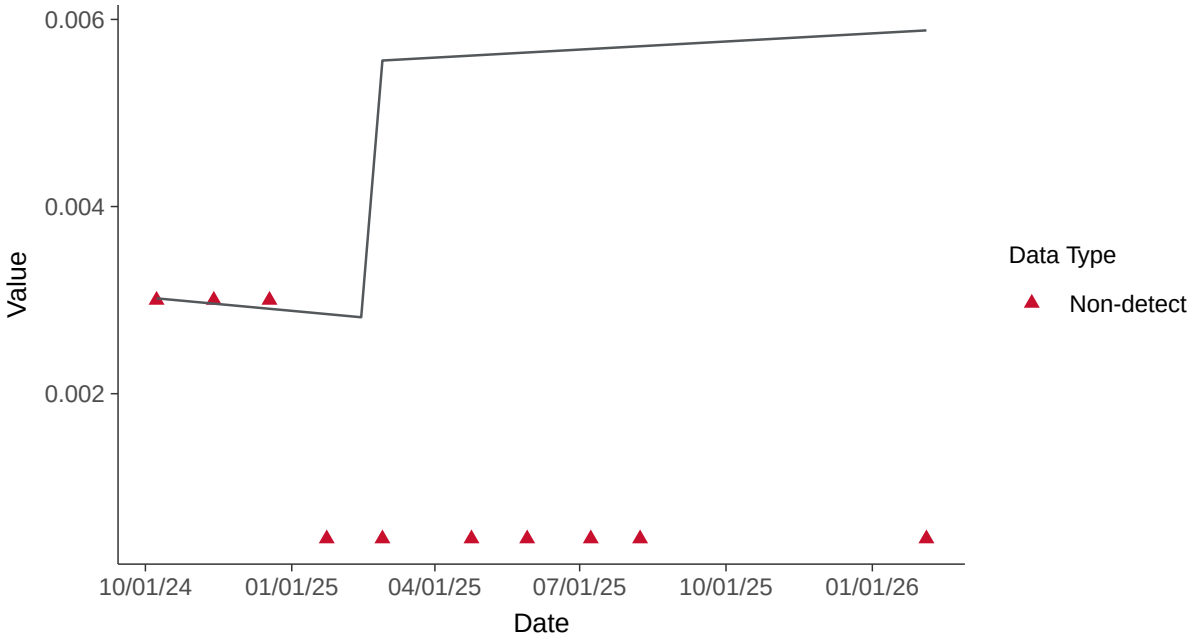
Trend Regression: Piecewise Linear-Linear

Lead, MW-18B (mg/l)



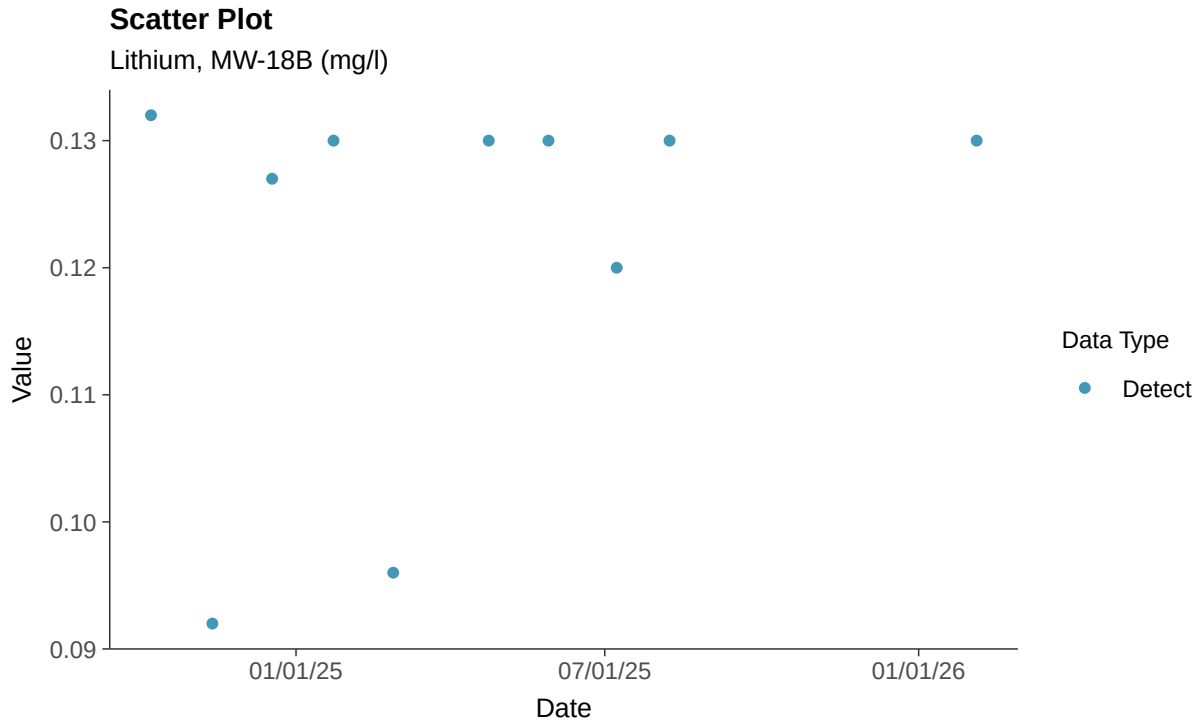
Trend Regression: Piecewise Linear-Linear-Linear

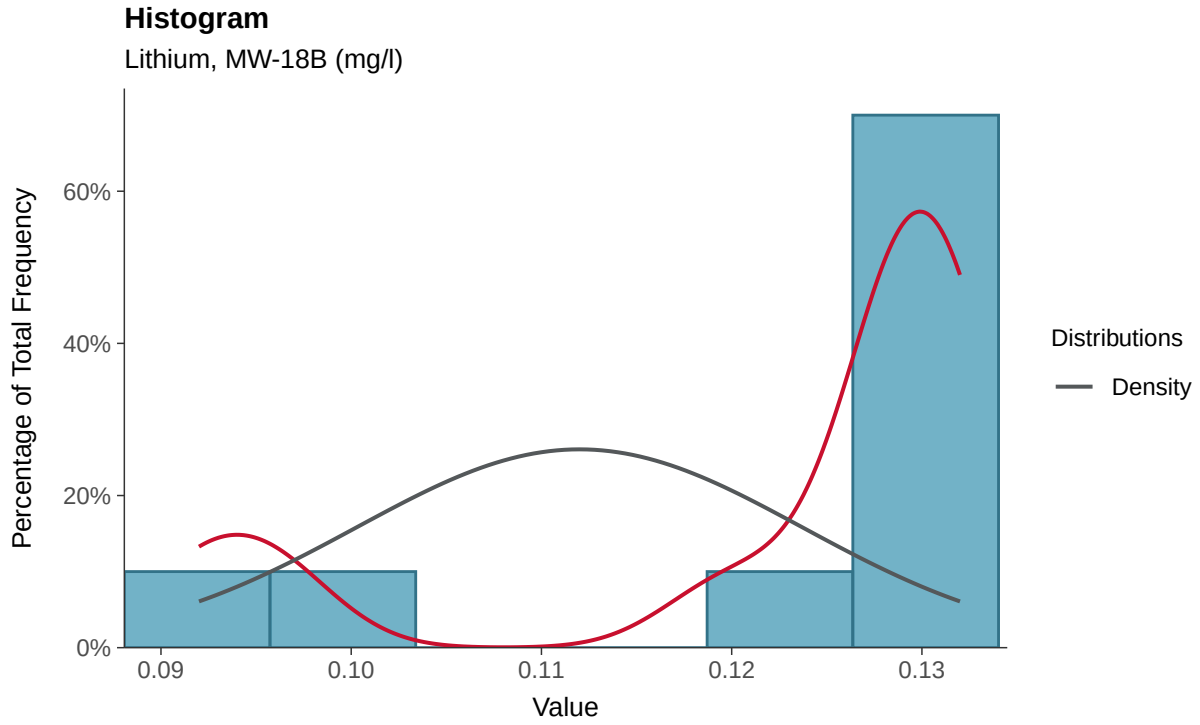
Lead, MW-18B (mg/l)



Appendix IV: Lithium, MW-18B

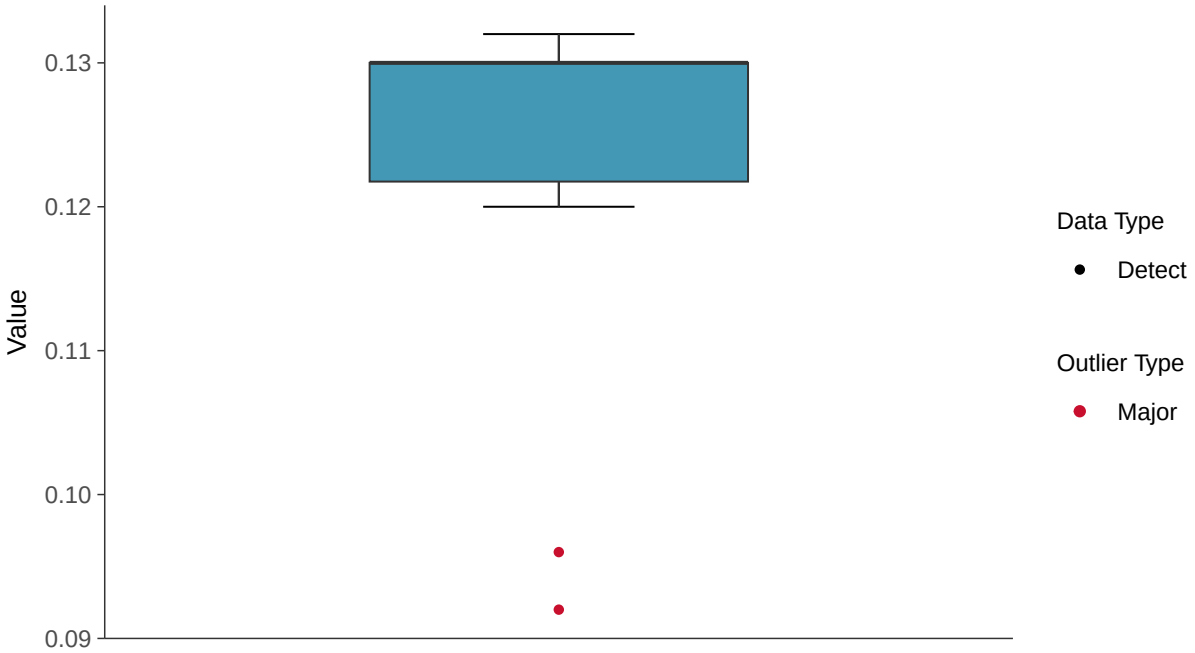
ID: 29_3_116





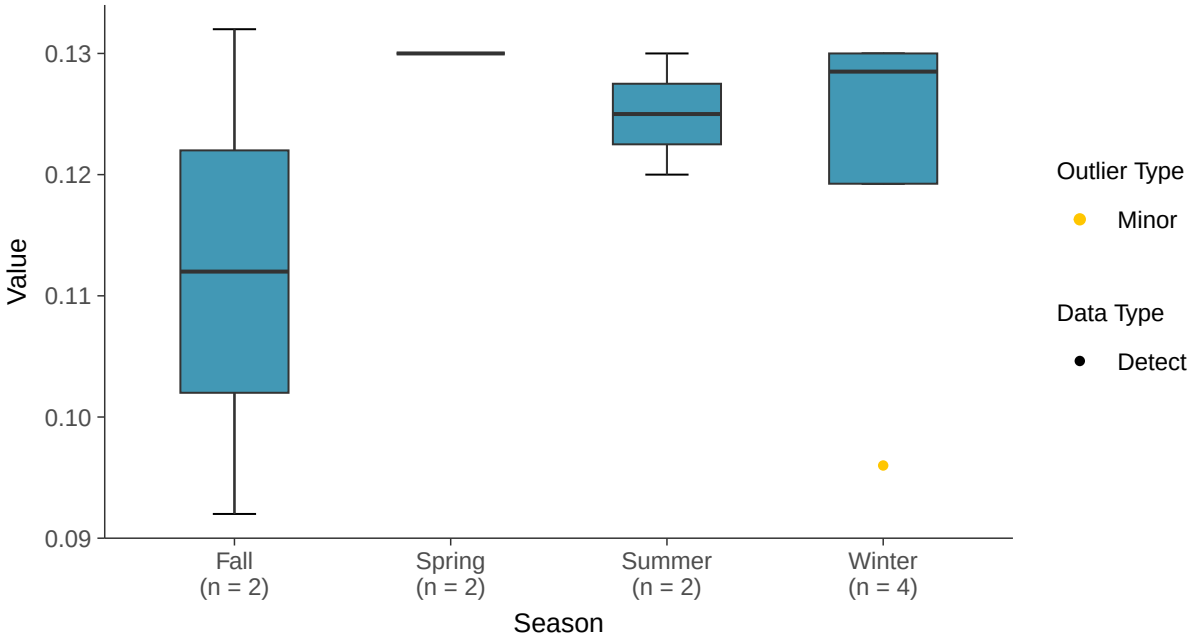
Boxplot

Lithium, MW-18B (mg/l)



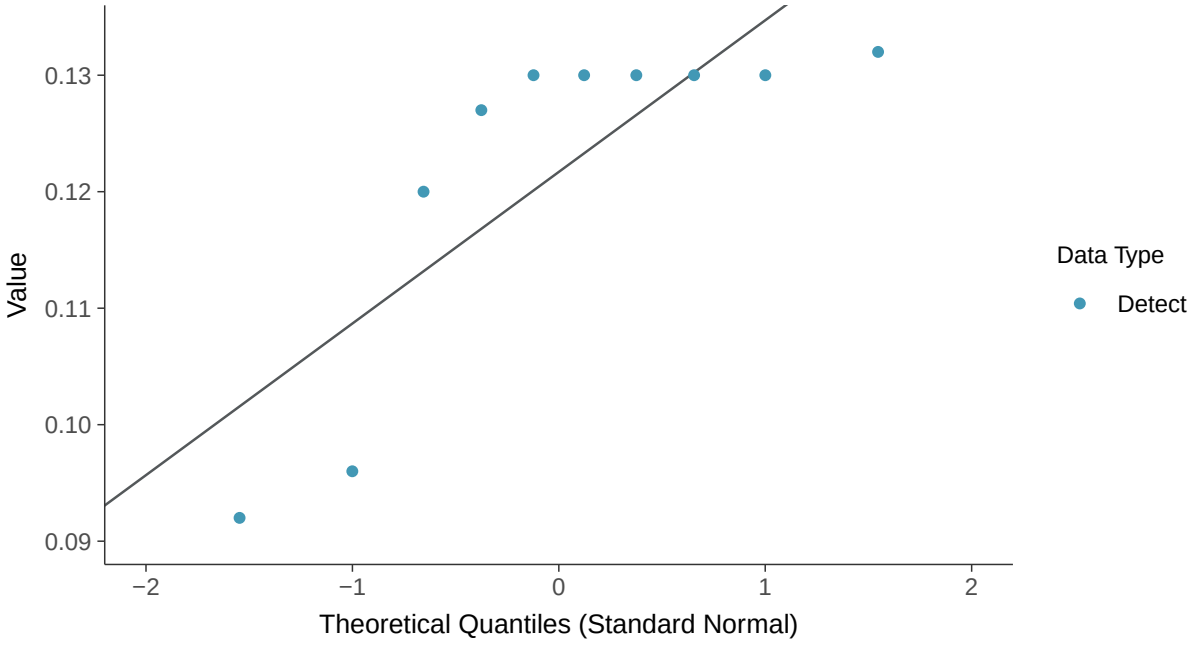
Boxplot by Season

Lithium, MW-18B (mg/l)



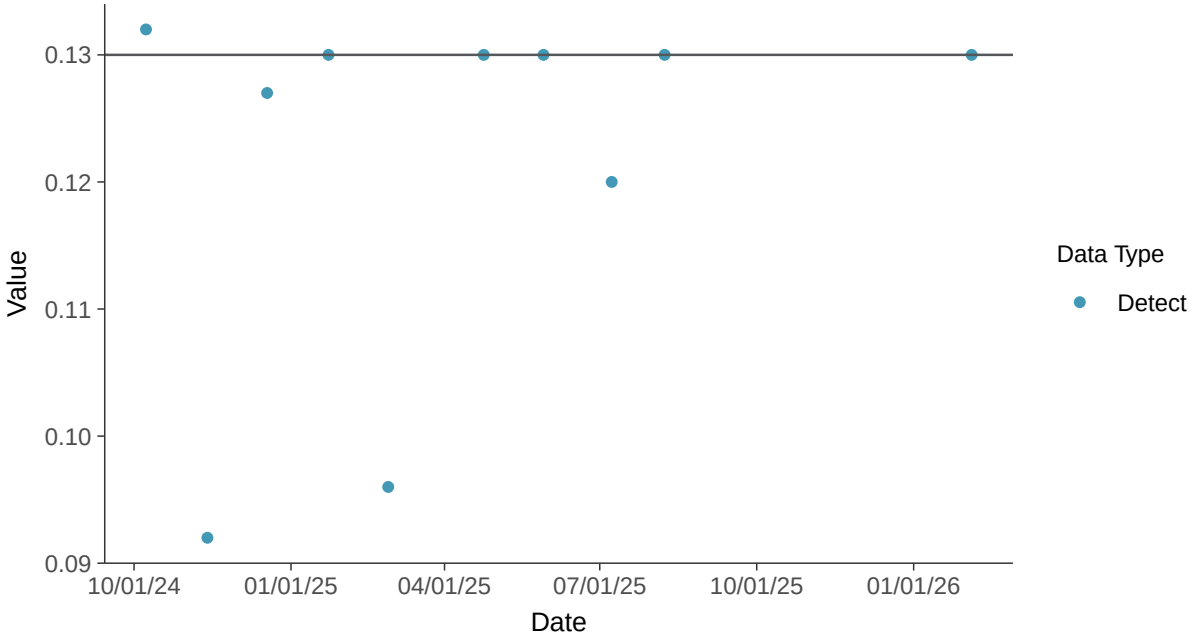
Normal Q-Q plot

Lithium, MW-18B (mg/l)



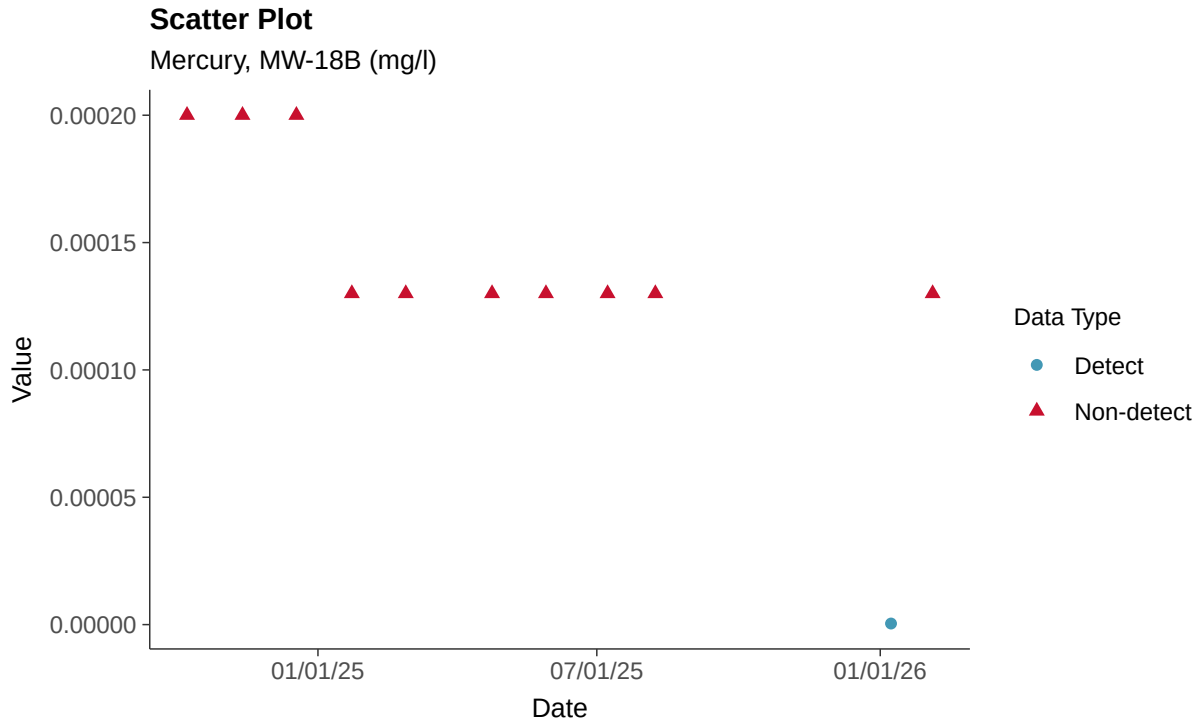
Trend Regression: Mann-Kendall/Theil-Sen Estimate

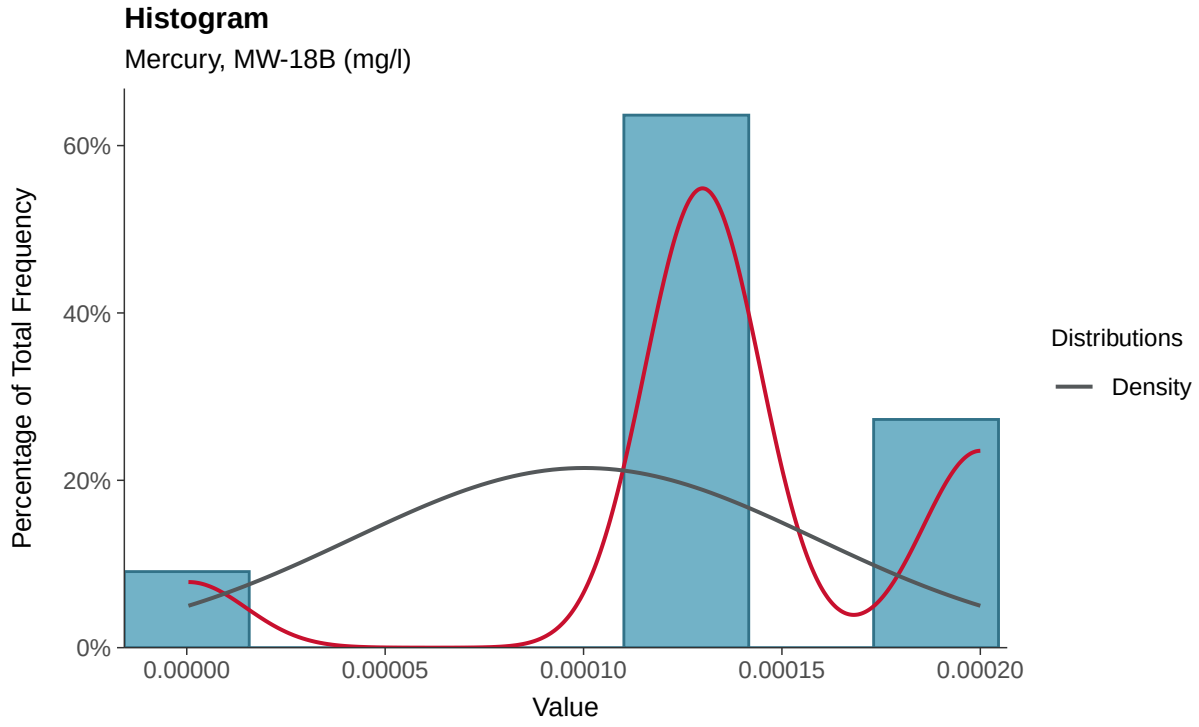
Lithium, MW-18B (mg/l)



Appendix IV: Mercury, MW-18B

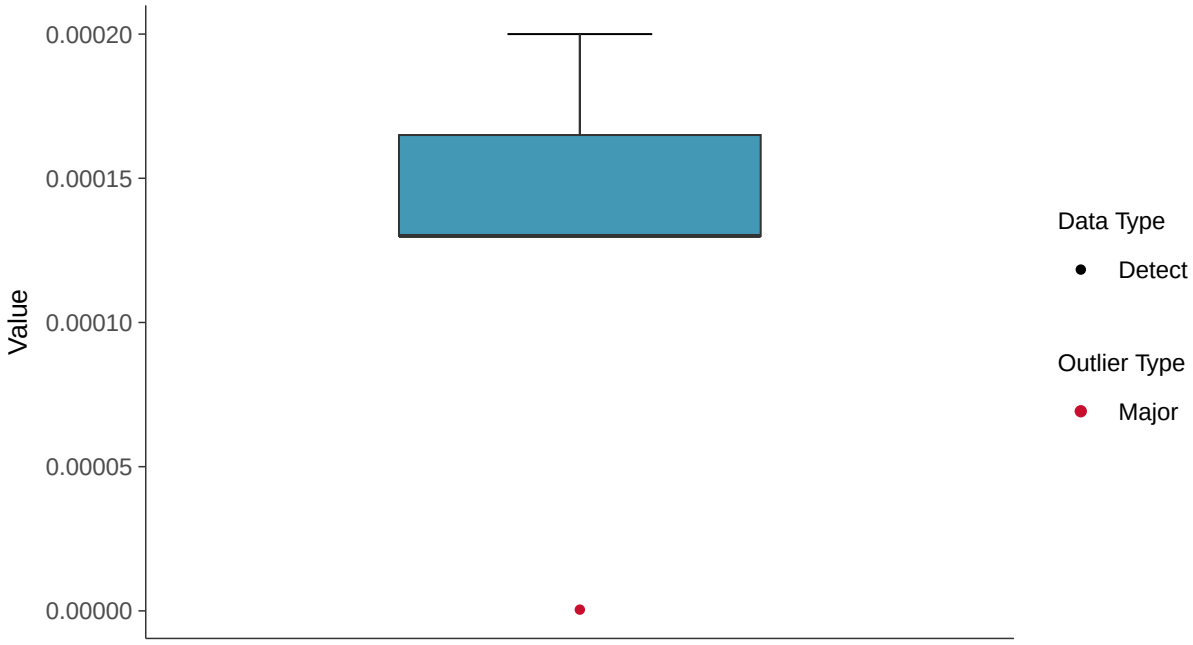
ID: 29_3_117





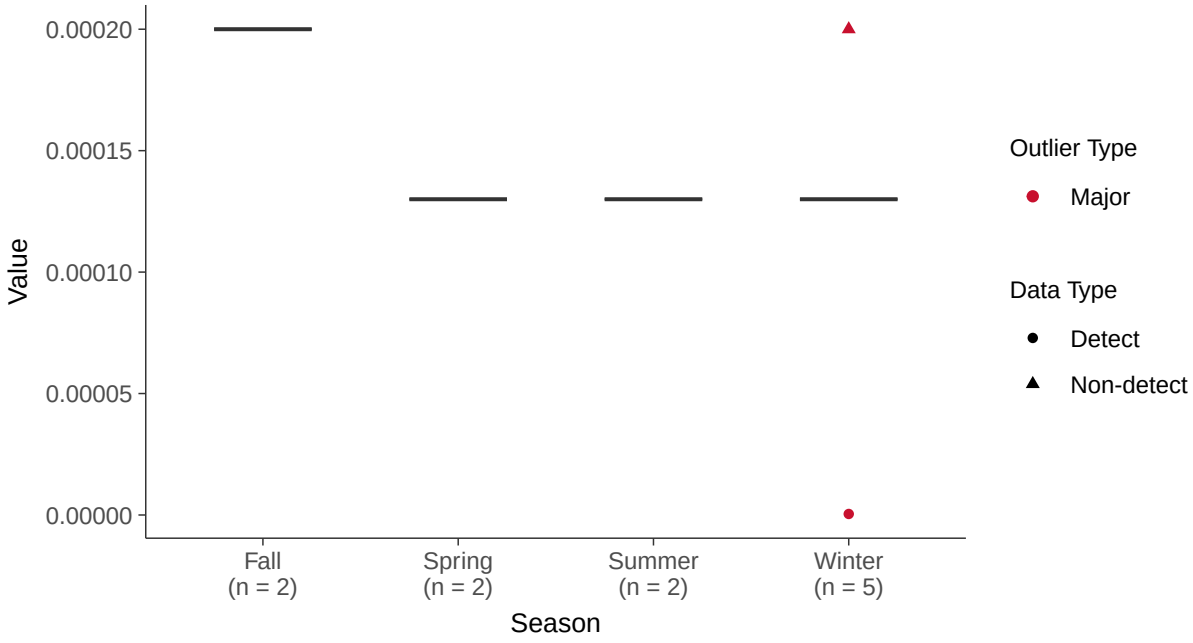
Boxplot

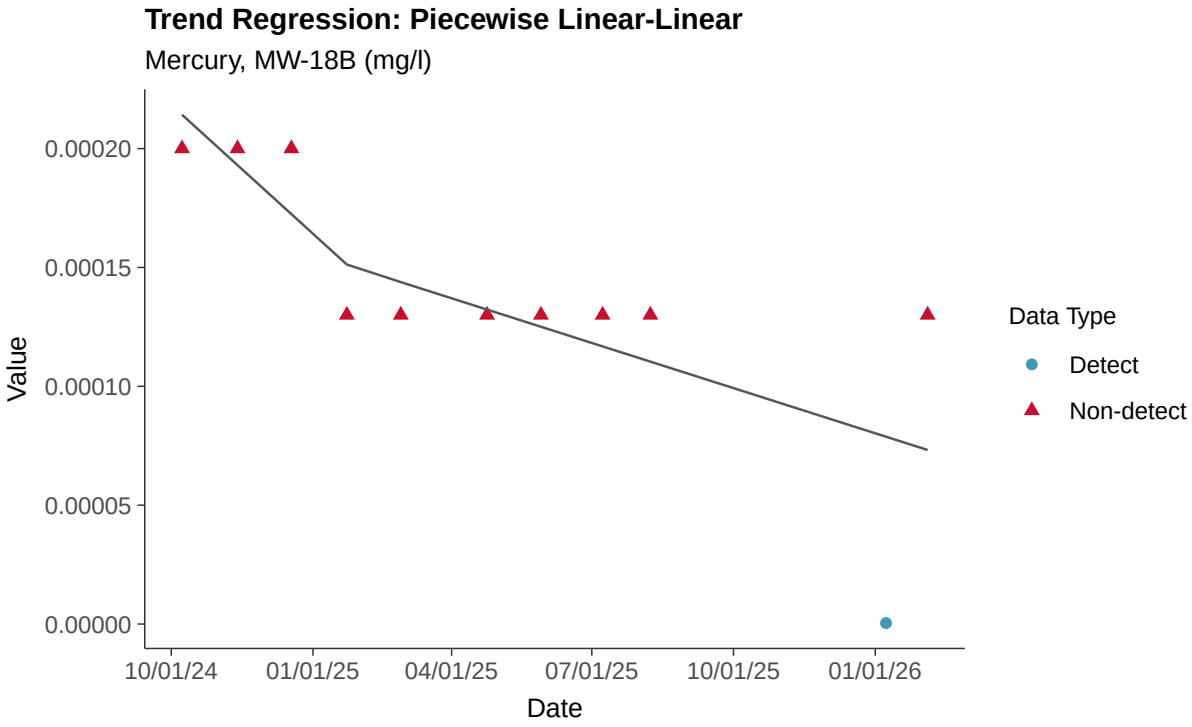
Mercury, MW-18B (mg/l)



Boxplot by Season

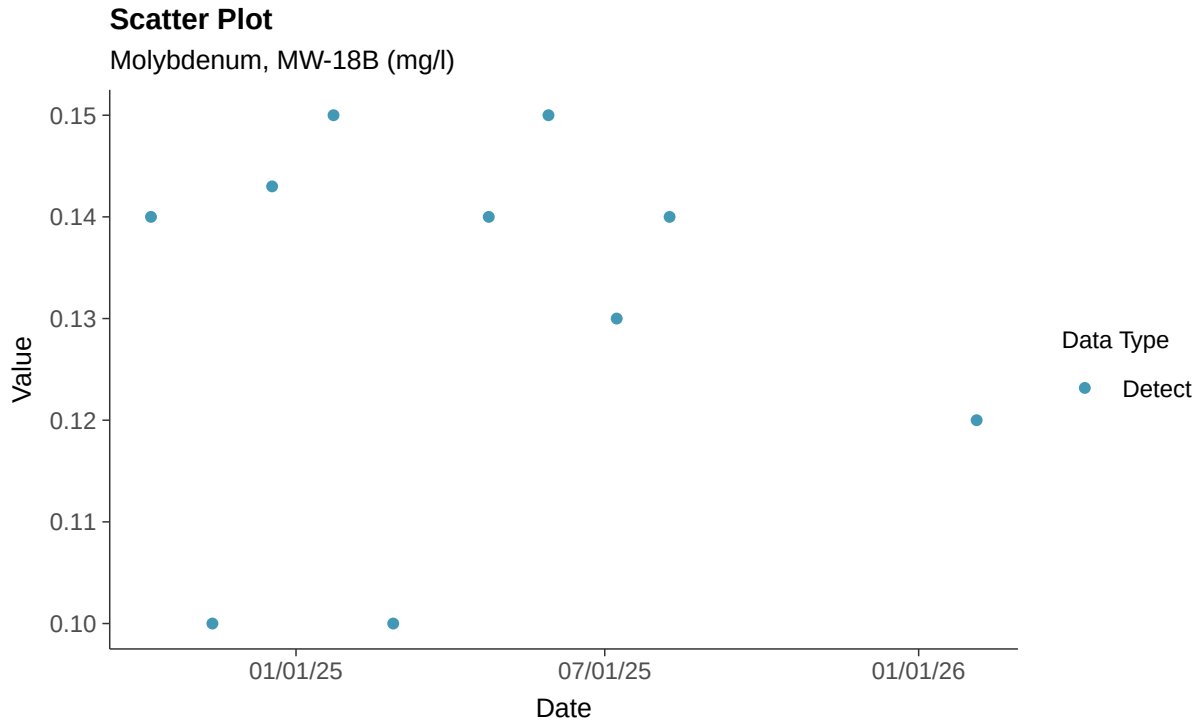
Mercury, MW-18B (mg/l)

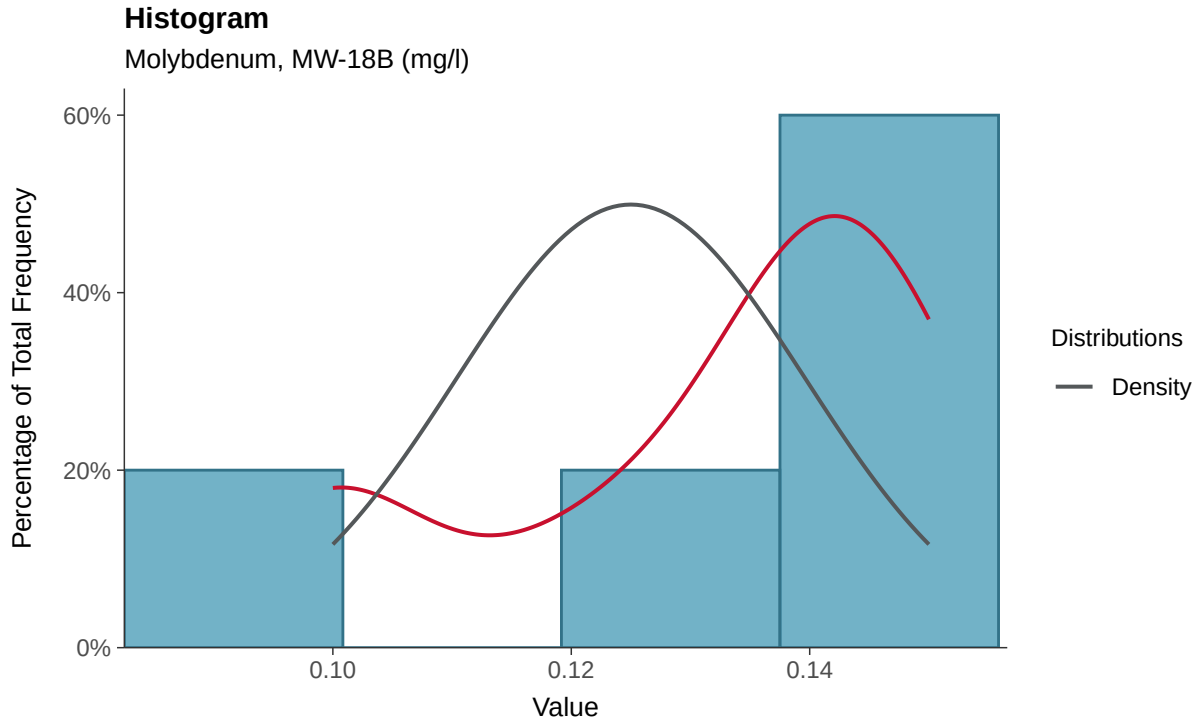



Trend Regression: Piecewise Linear-Linear
Mercury, MW-18B (mg/l)
Value
0.00020
0.00015
0.00010
0.00005
0.00000
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Molybdenum, MW-18B

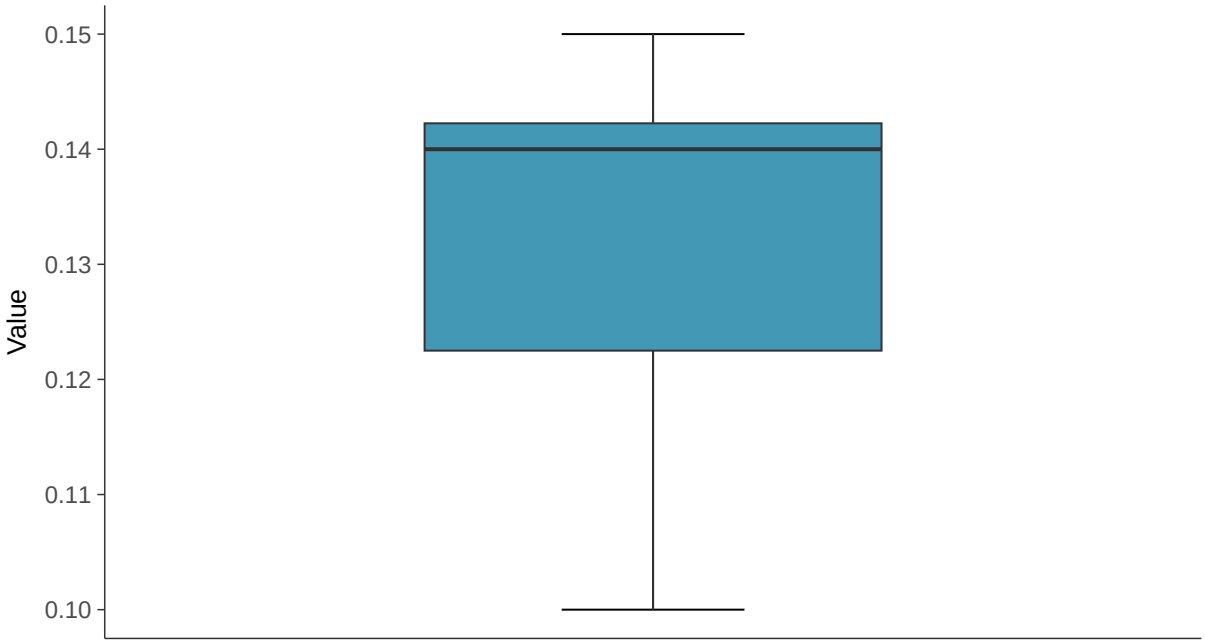
ID: 29_3_118





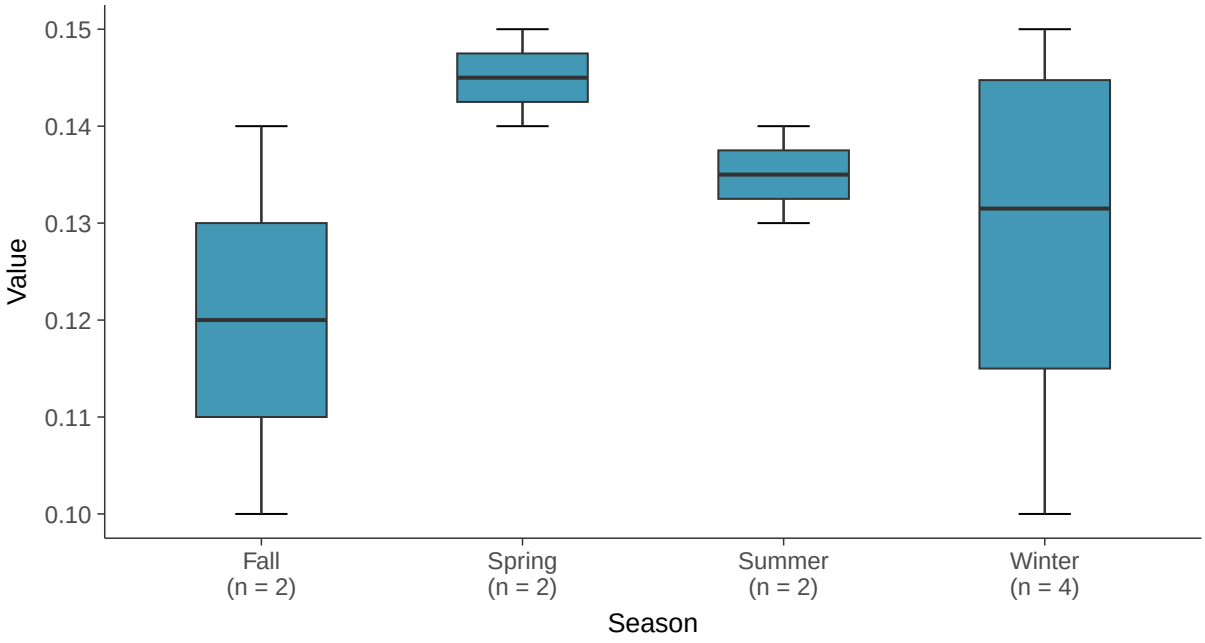
Boxplot

Molybdenum, MW-18B (mg/l)



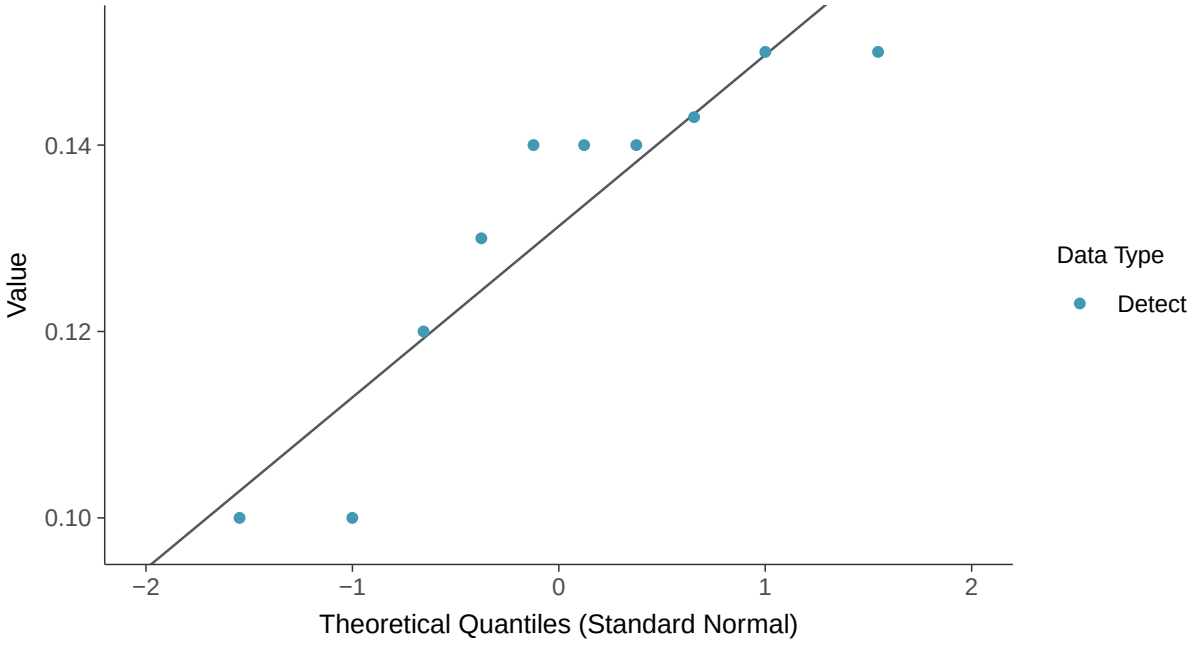
Boxplot by Season

Molybdenum, MW-18B (mg/l)



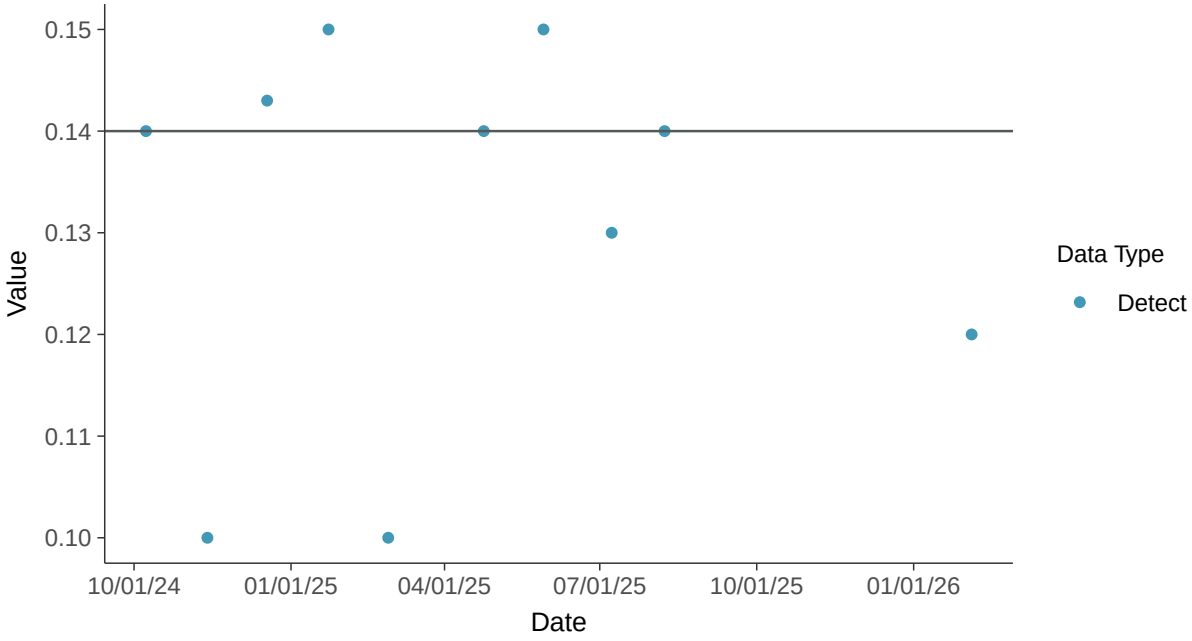
Normal Q-Q plot

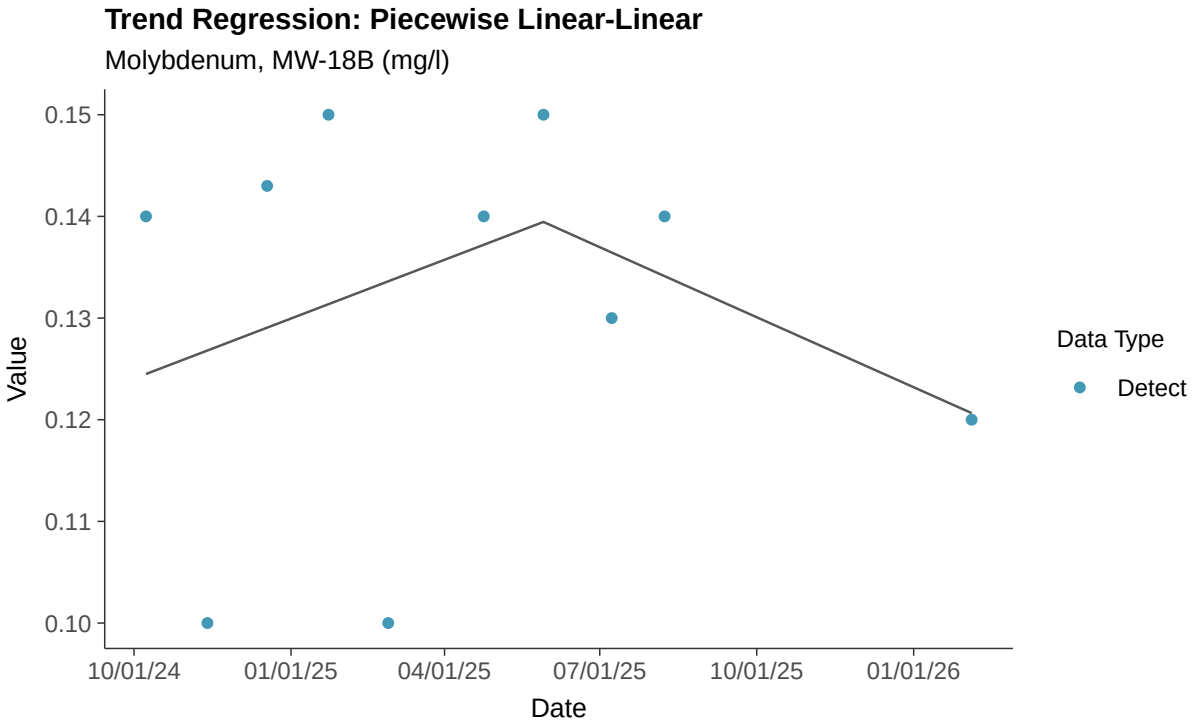
Molybdenum, MW-18B (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

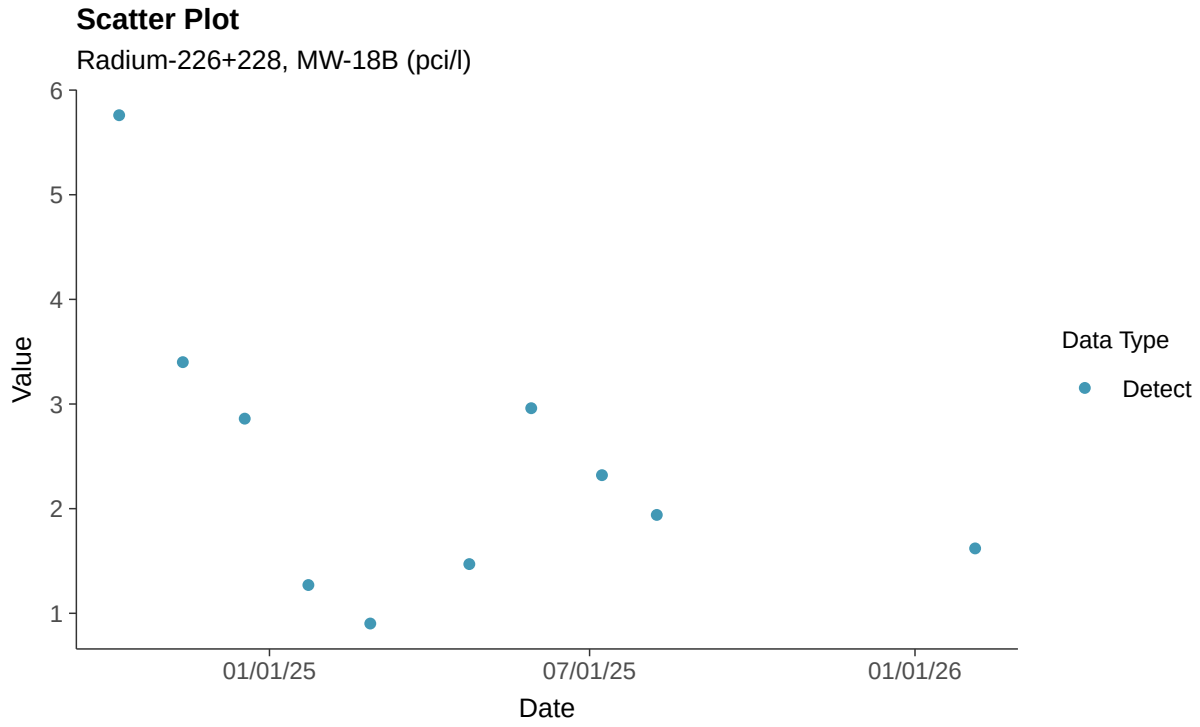
Molybdenum, MW-18B (mg/l)

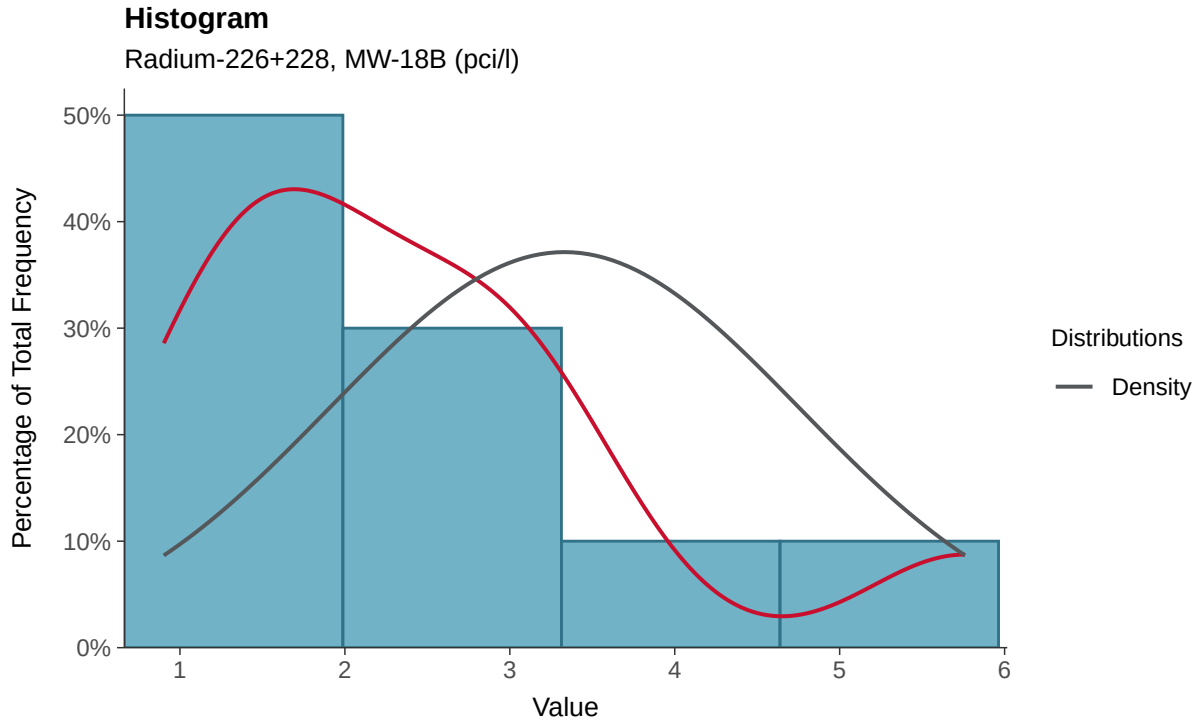



Trend Regression: Piecewise Linear-Linear
Molybdenum, MW-18B (mg/l)
Value
0.15
0.14
0.13
0.12
0.11
0.10
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Radium-226+228, MW-18B

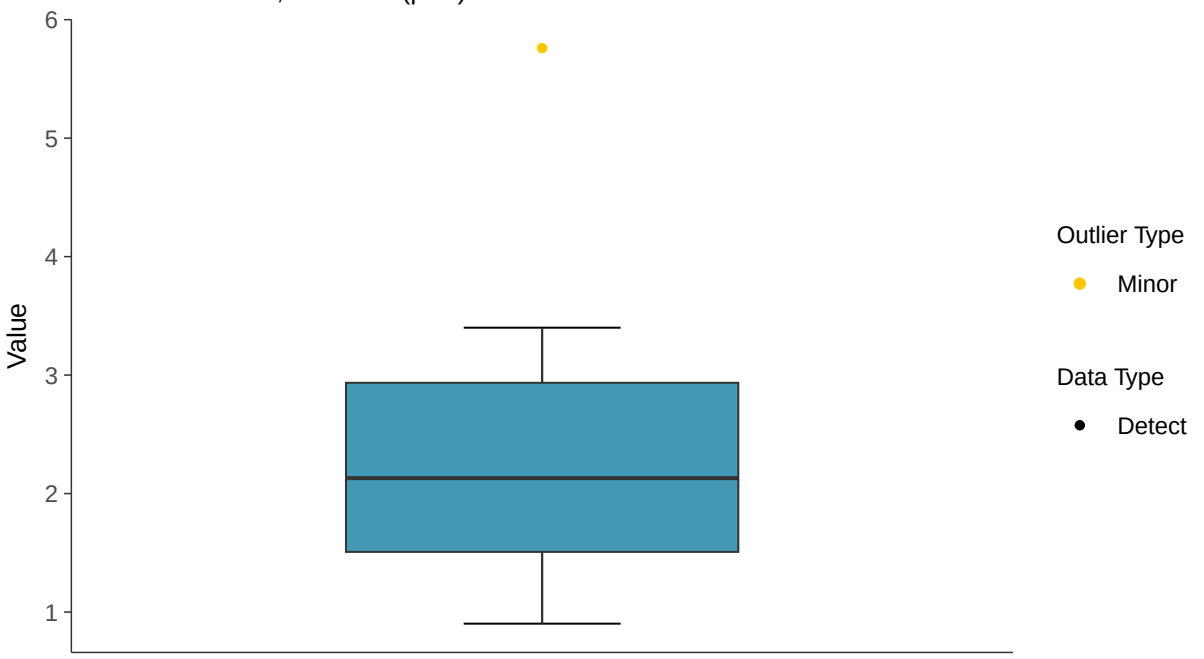
ID: 29_3_121





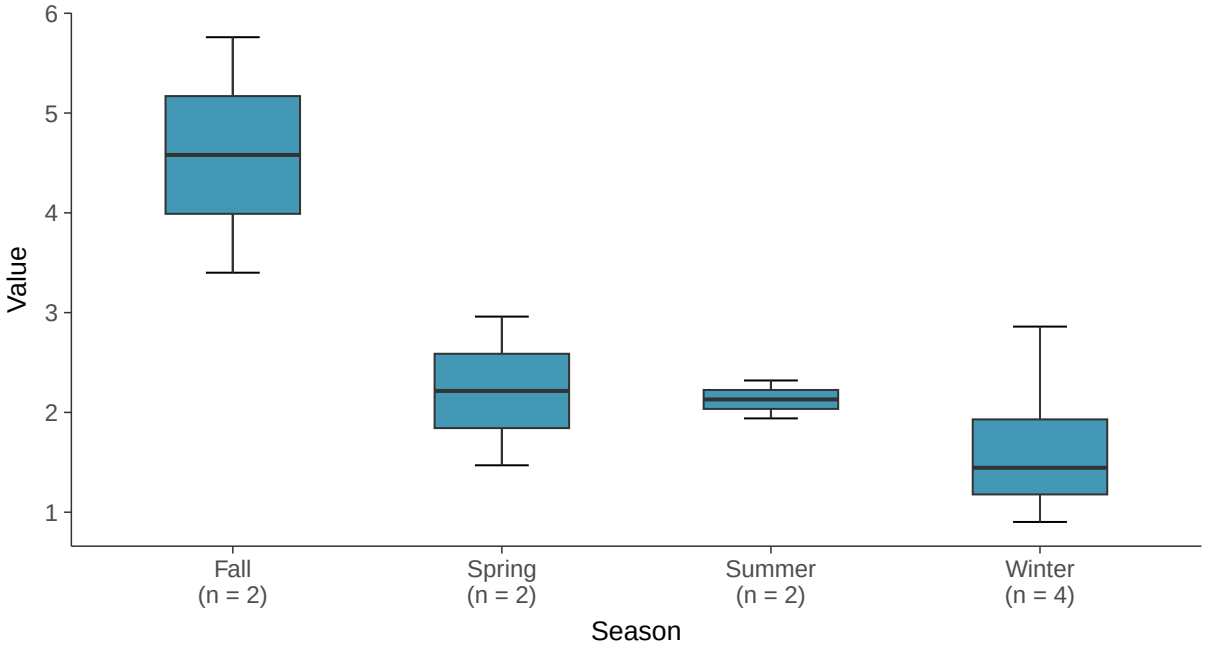
Boxplot

Radium-226+228, MW-18B (pci/l)



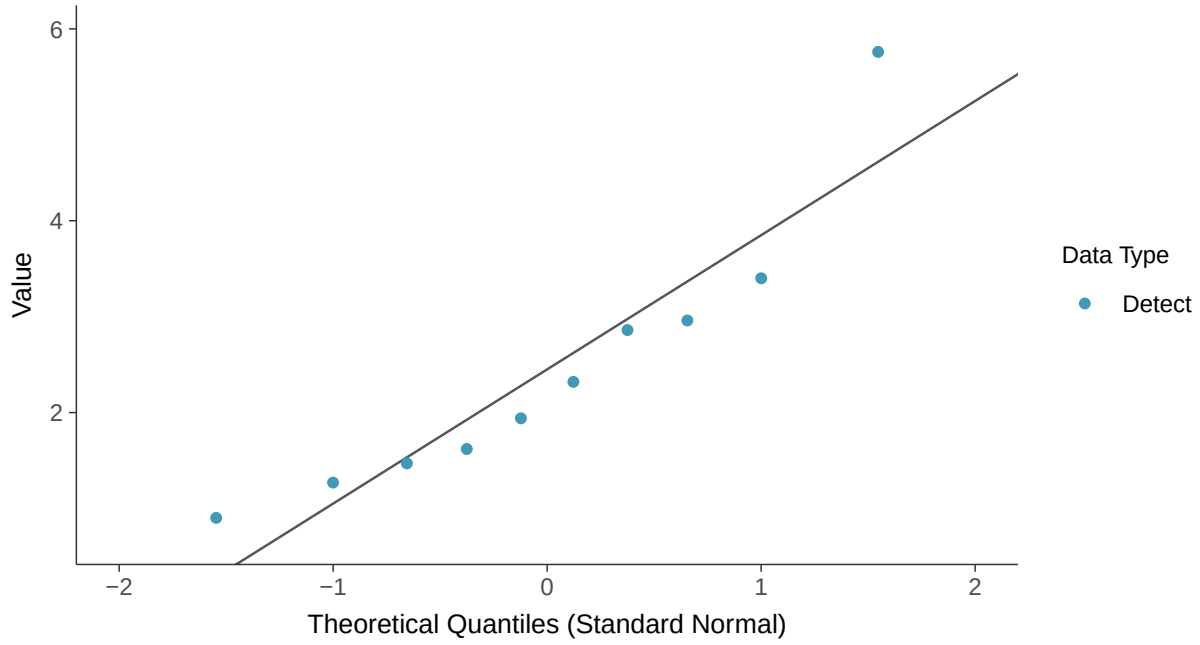
Boxplot by Season

Radium-226+228, MW-18B (pci/l)



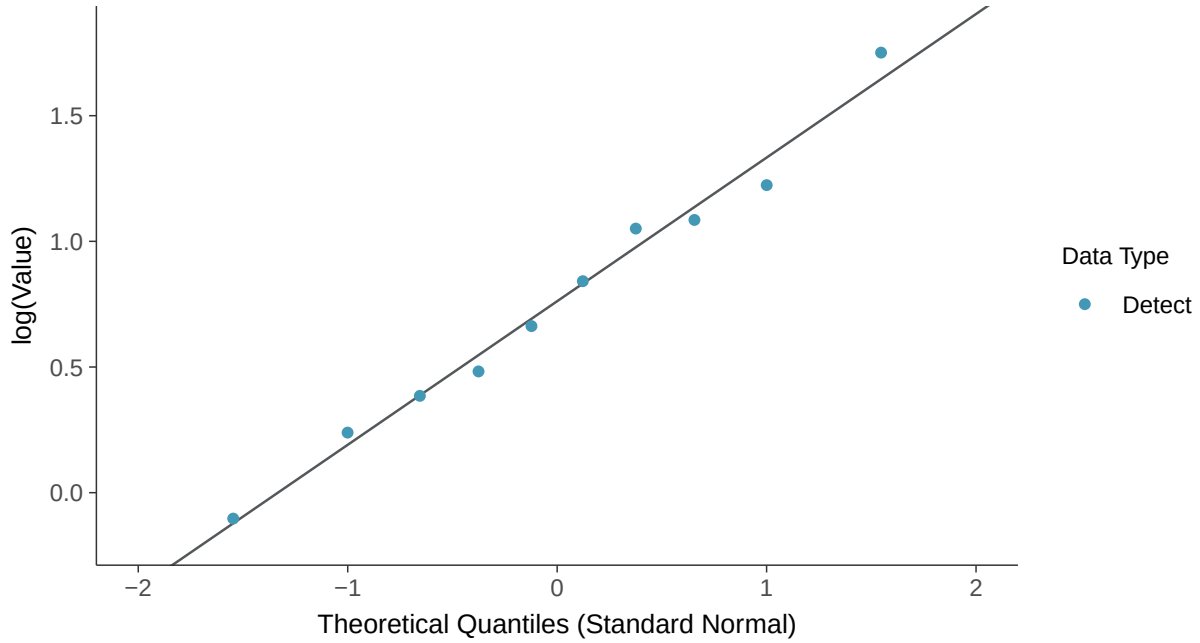
Normal Q-Q plot

Radium-226+228, MW-18B (pci/l)



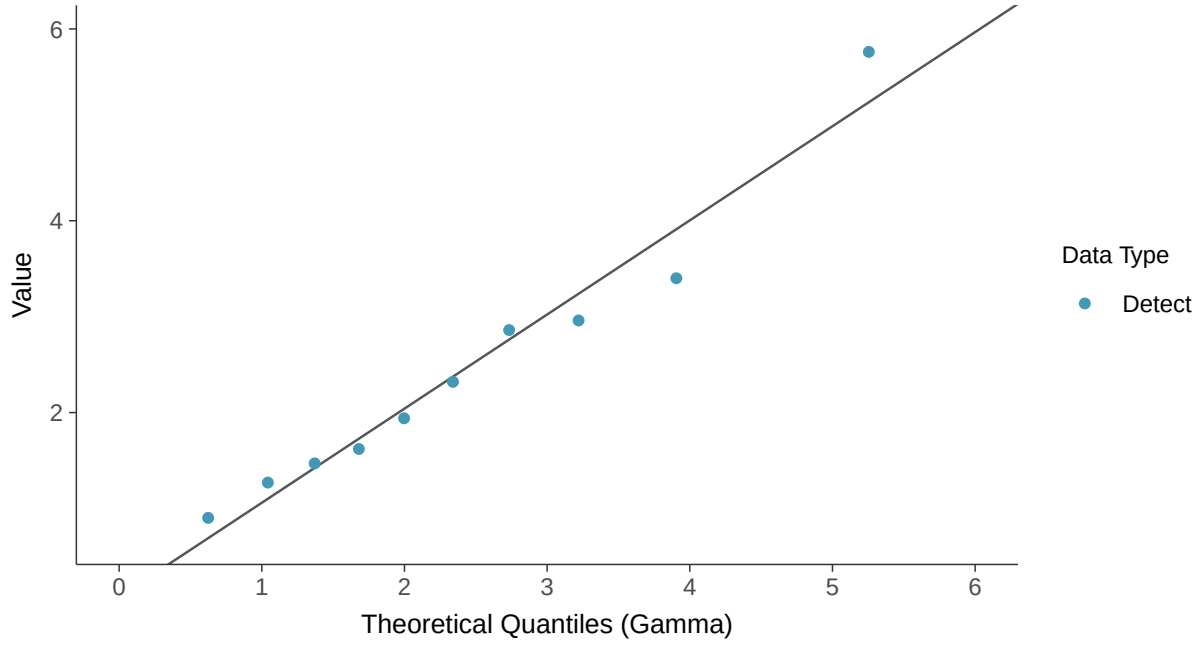
Lognormal Q-Q plot

Radium-226+228, MW-18B (pci/l)



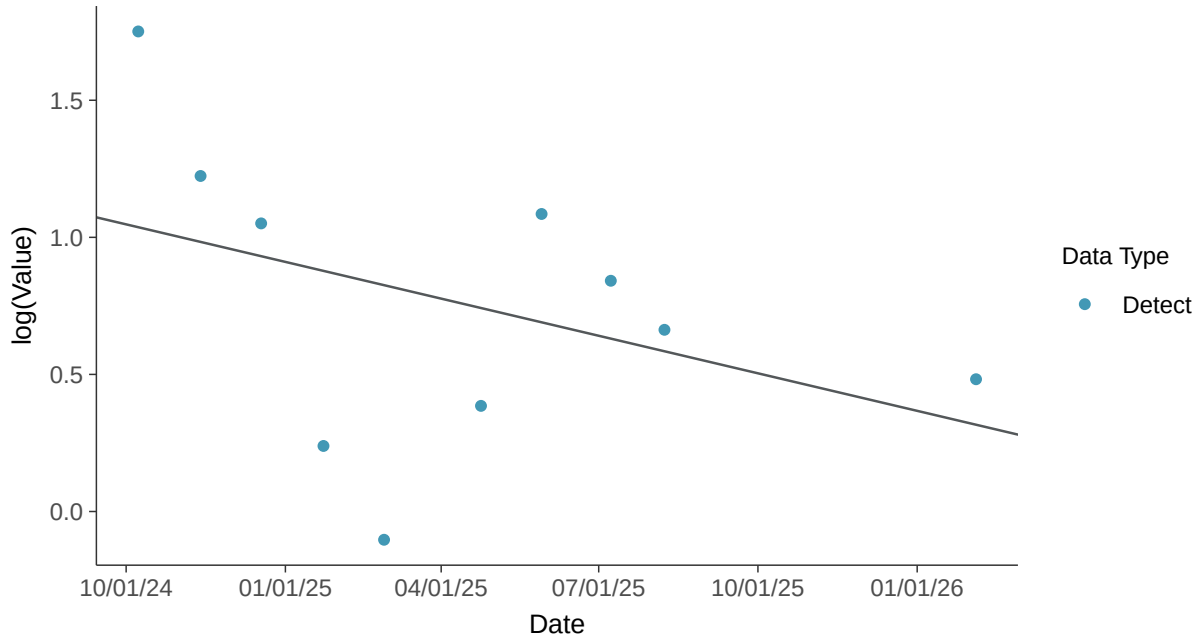
Gamma Q-Q plot

Radium-226+228, MW-18B (pci/l)



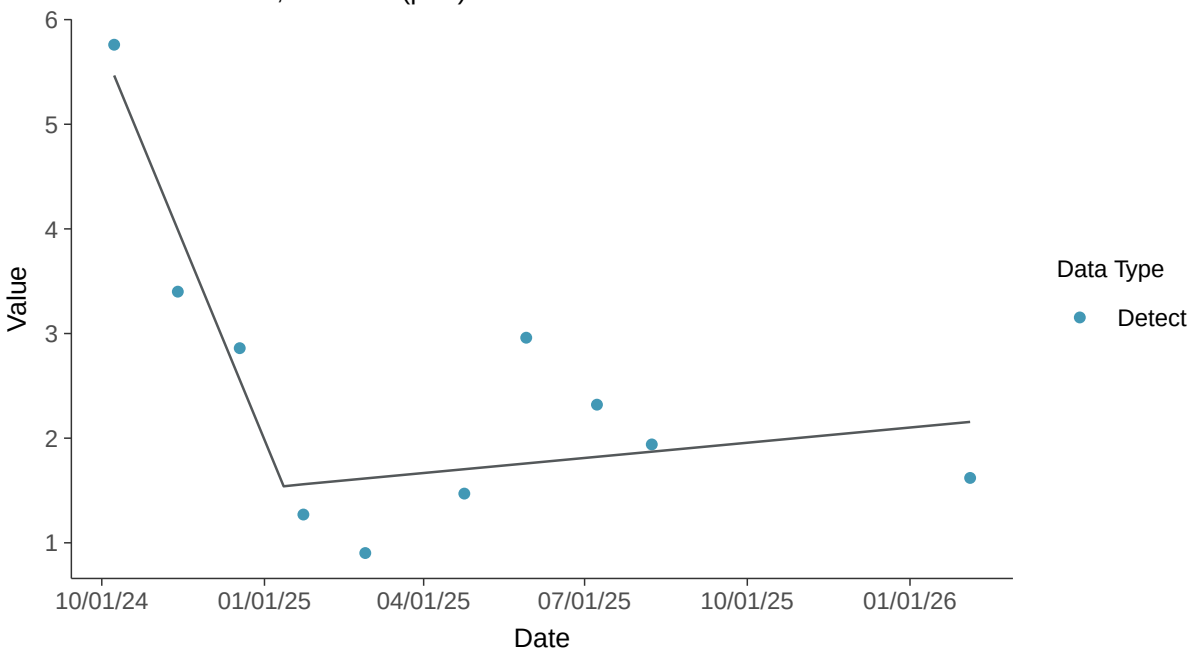
Trend Regression: Lognormal MLE

Radium-226+228, MW-18B (pci/l)



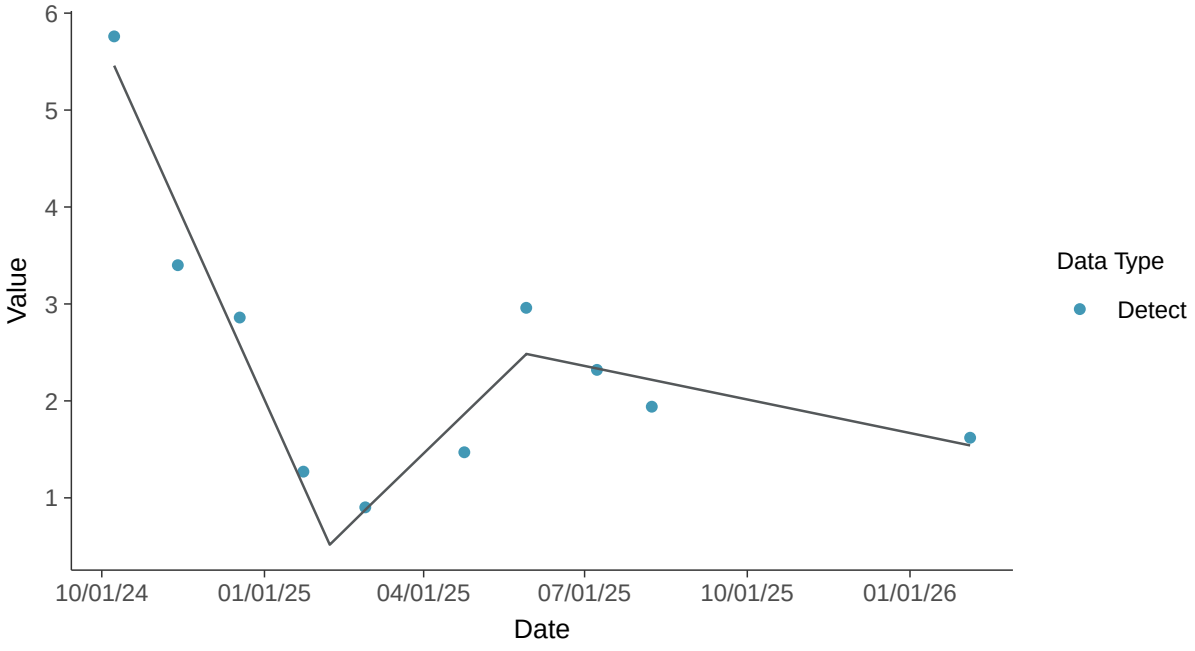
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-18B (pci/l)



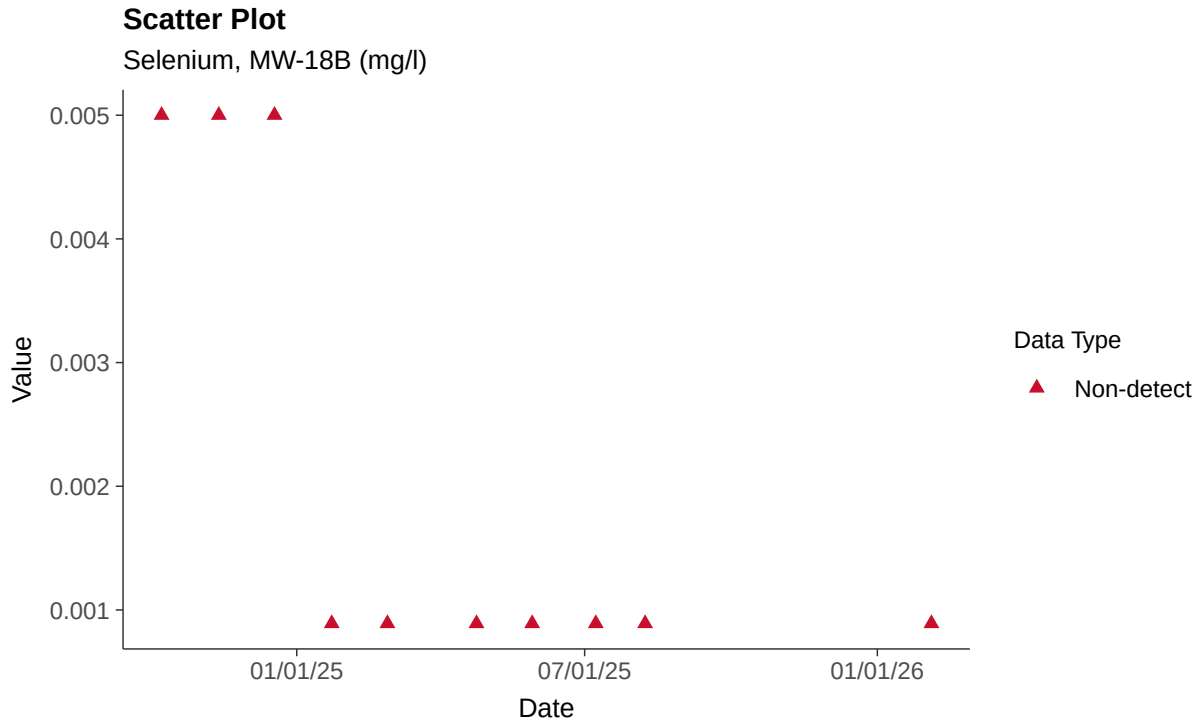
Trend Regression: Piecewise Linear-Linear-Linear

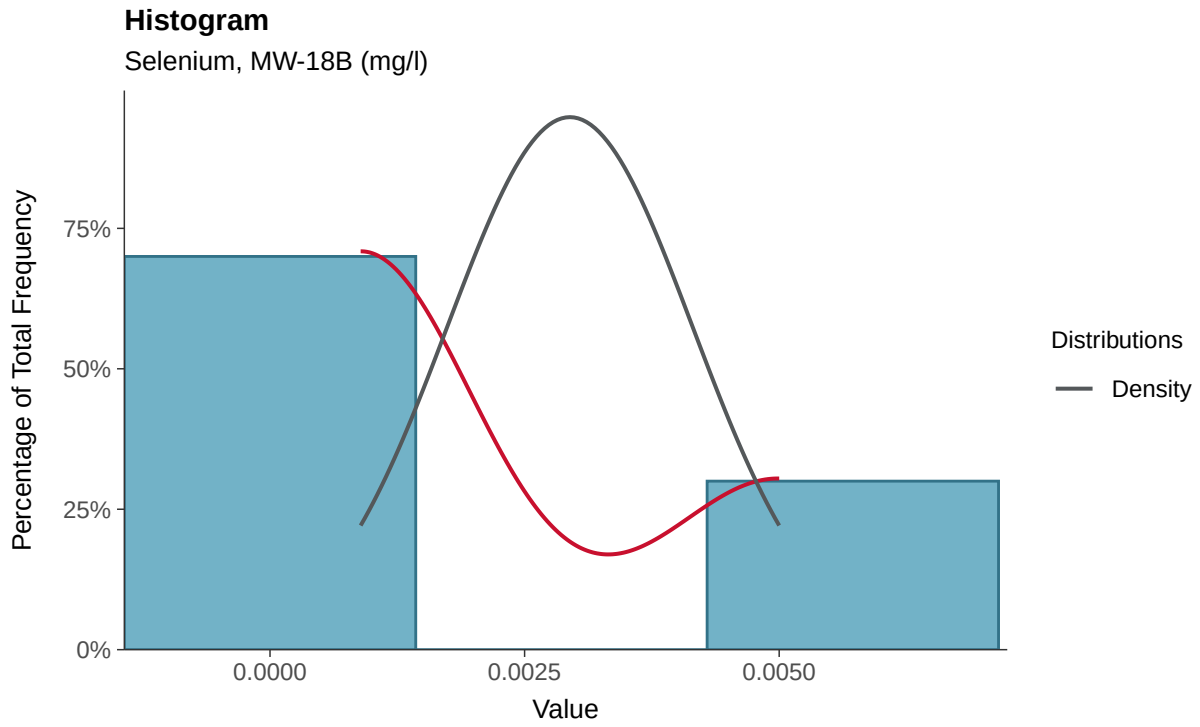
Radium-226+228, MW-18B (pci/l)



Appendix IV: Selenium, MW-18B

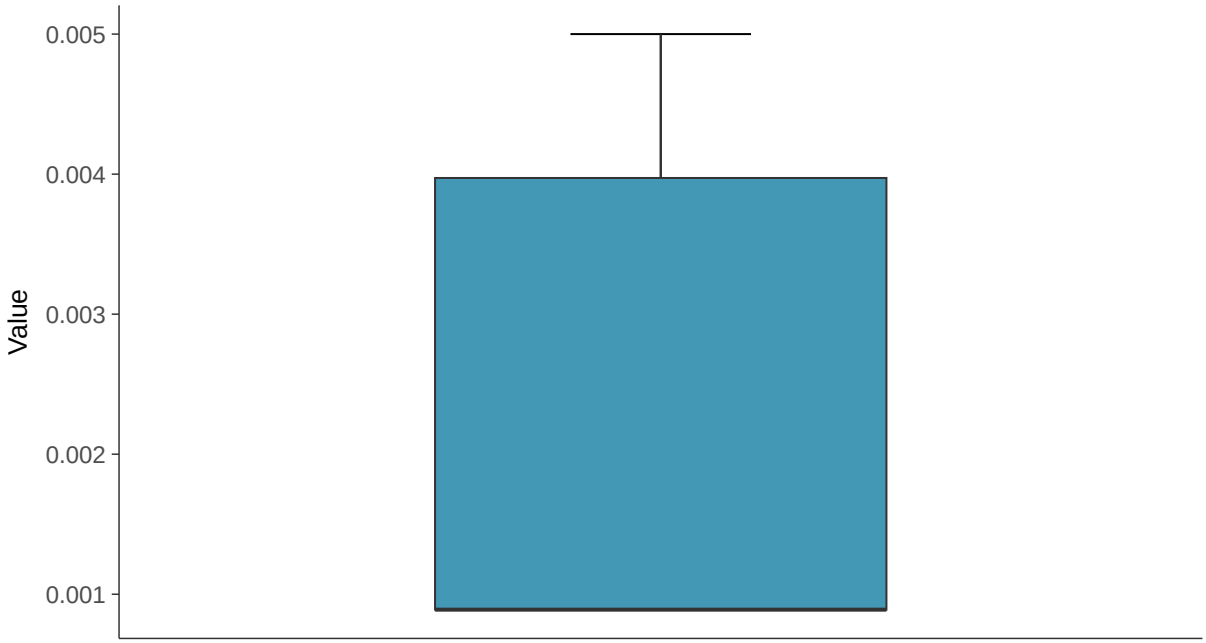
ID: 29_3_122





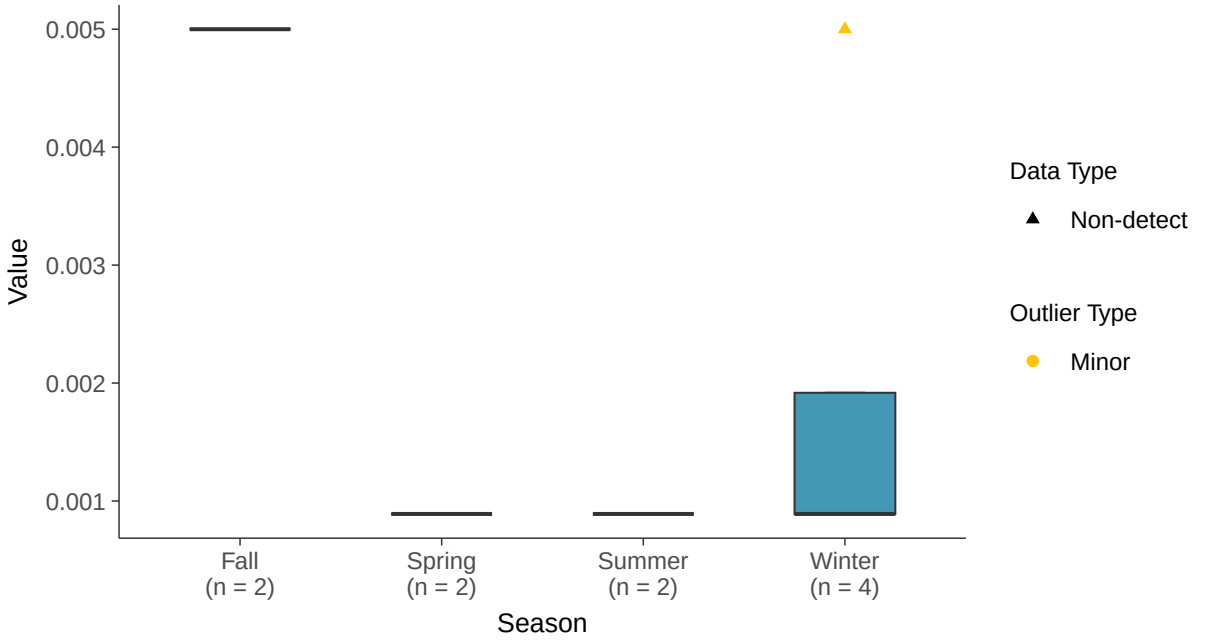
Boxplot

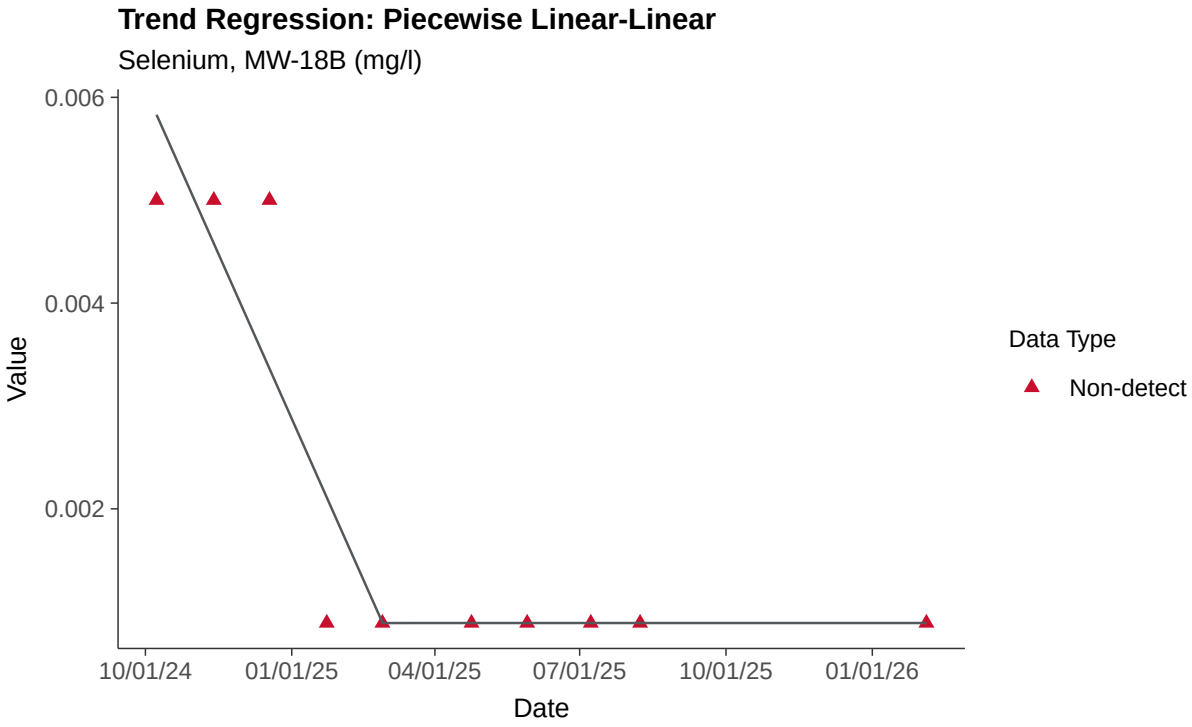
Selenium, MW-18B (mg/l)



Boxplot by Season

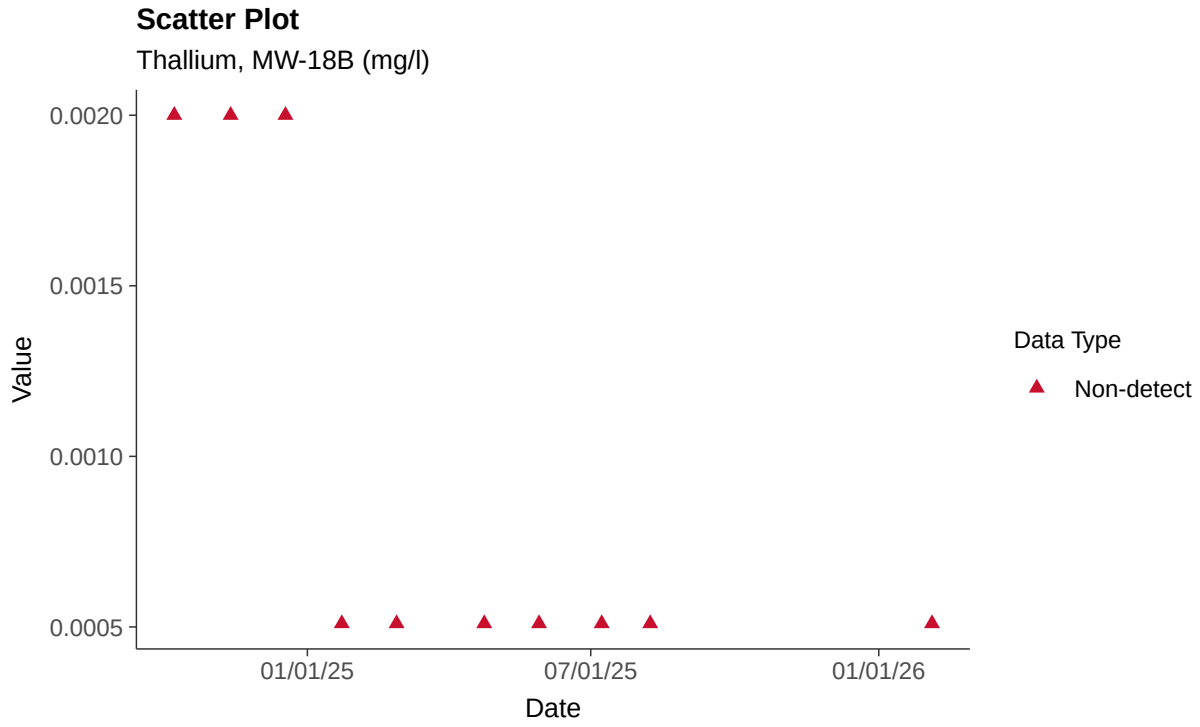
Selenium, MW-18B (mg/l)

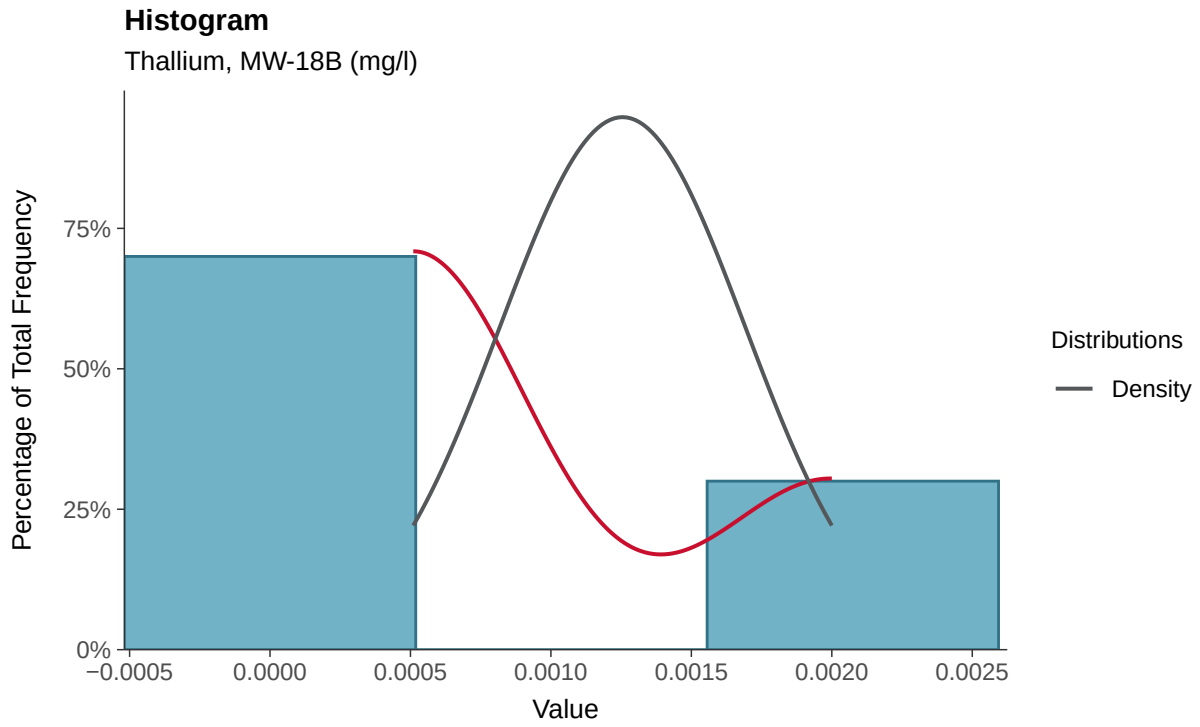



Trend Regression: Piecewise Linear-Linear
Selenium, MW-18B (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-18B

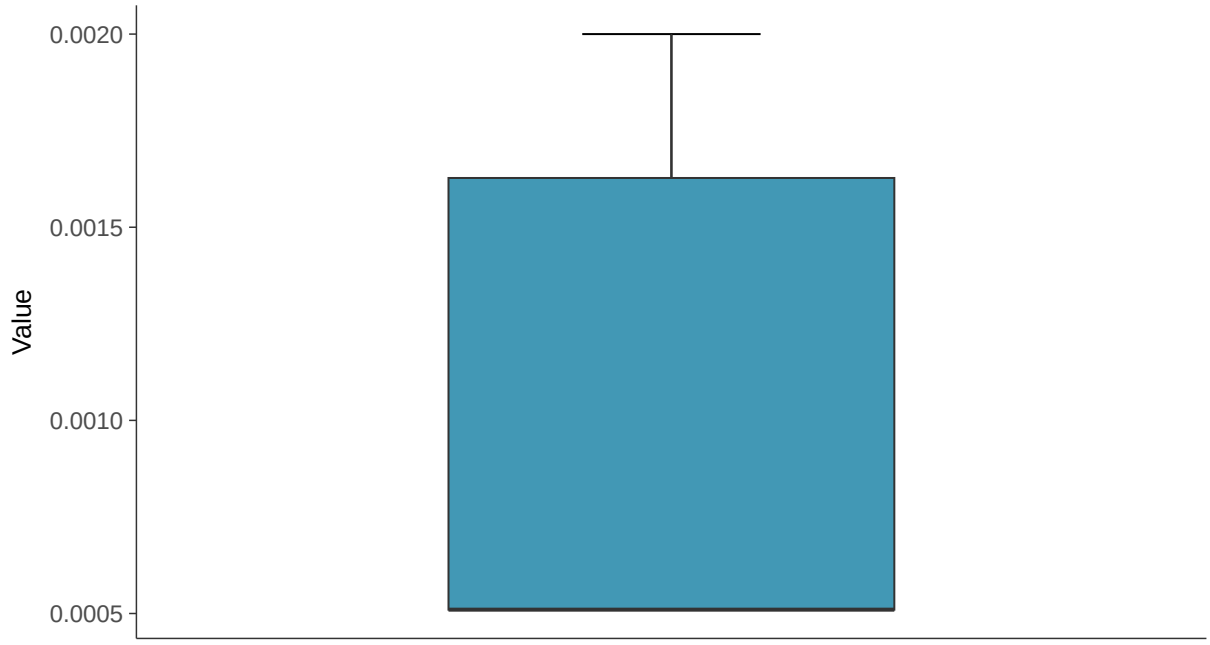
ID: 29_3_125





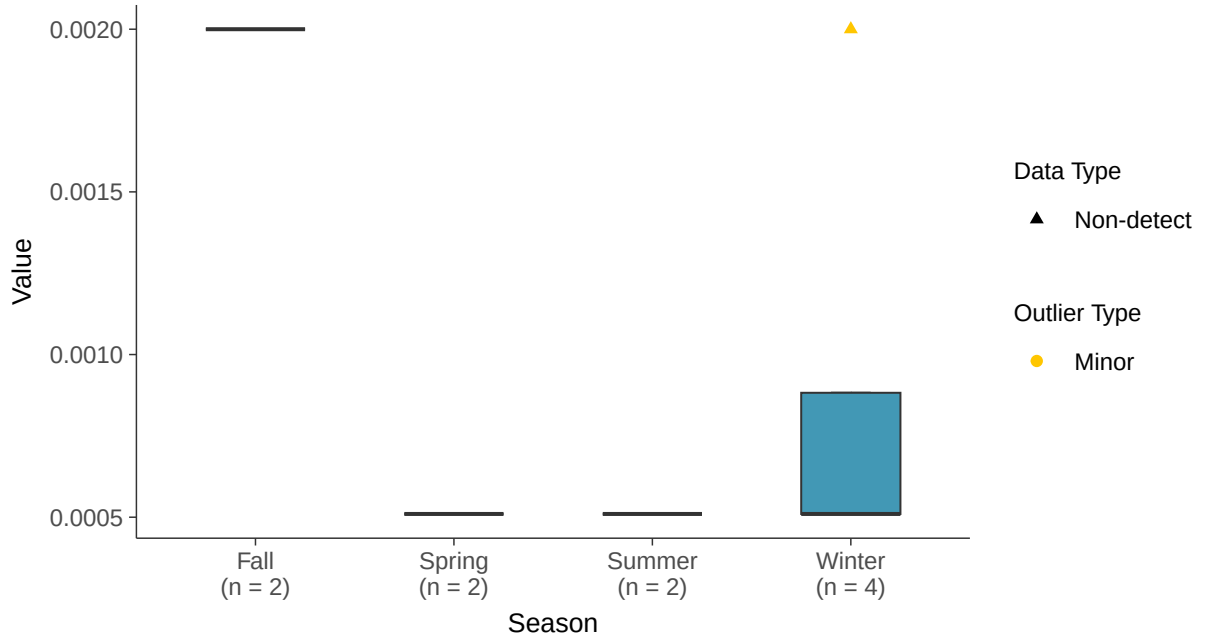
Boxplot

Thallium, MW-18B (mg/l)



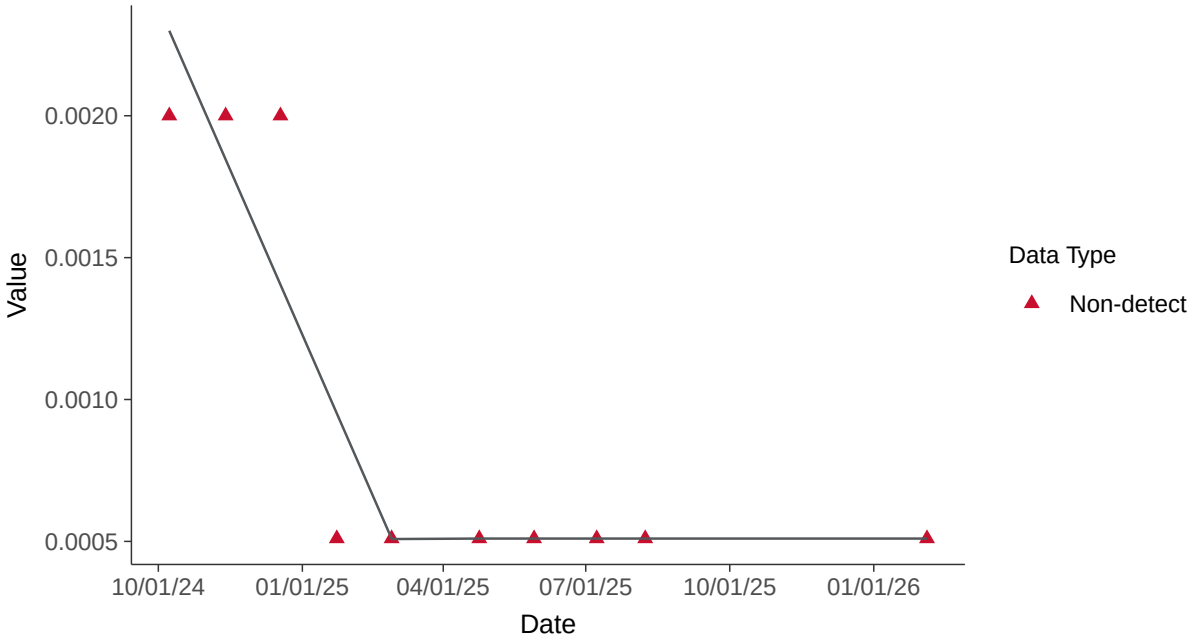
Boxplot by Season

Thallium, MW-18B (mg/l)



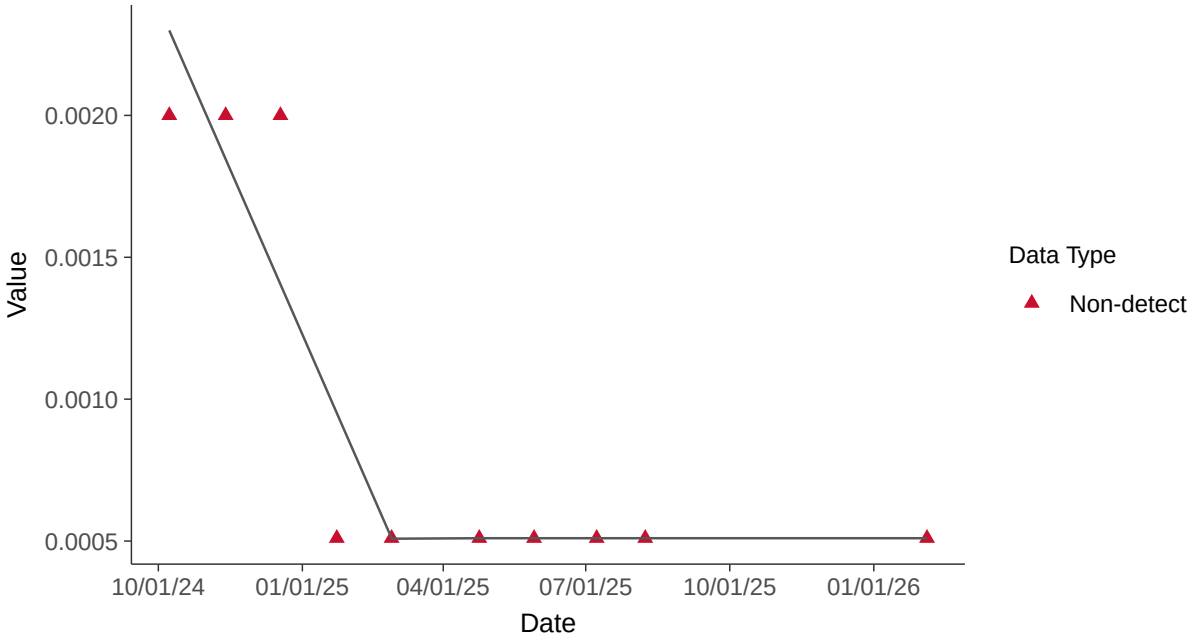
Trend Regression: Piecewise Linear-Linear

Thallium, MW-18B (mg/l)



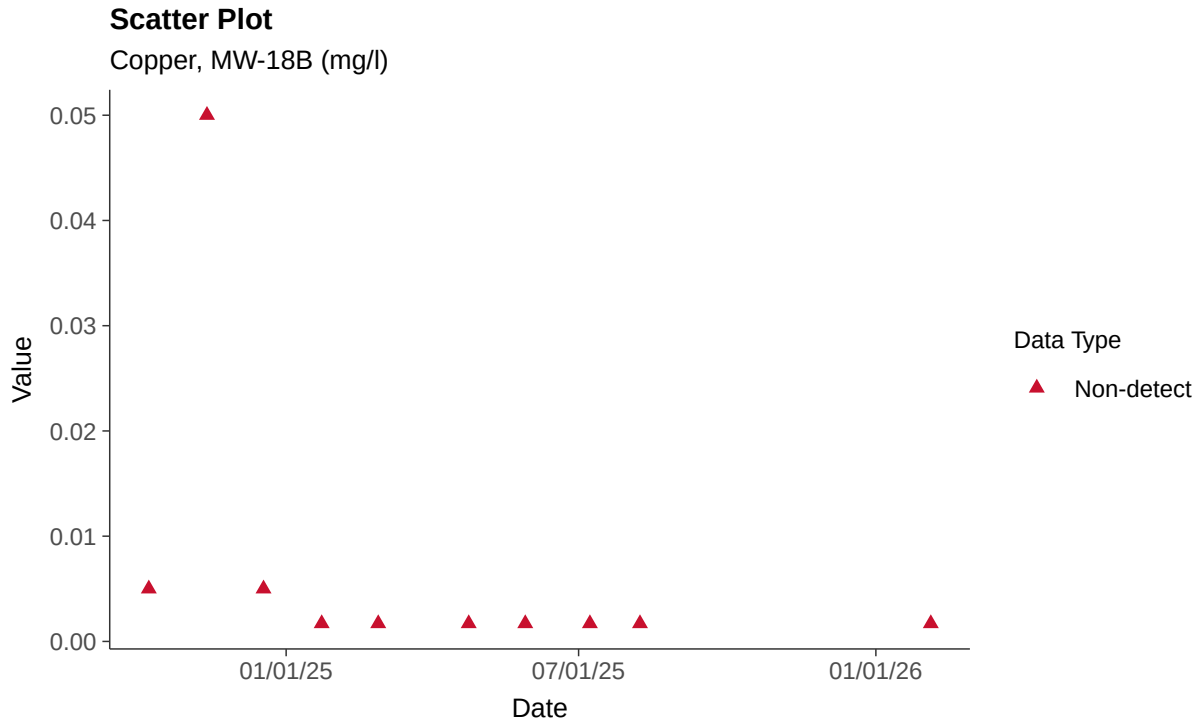
Trend Regression: Piecewise Linear-Linear-Linear

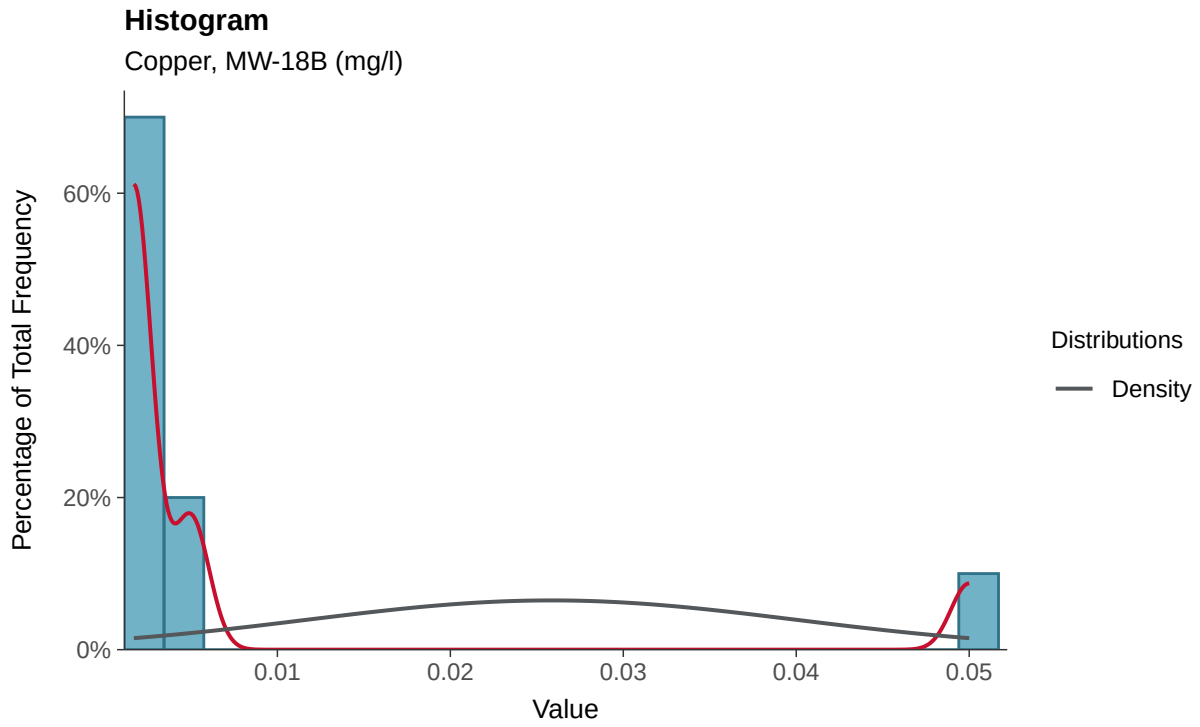
Thallium, MW-18B (mg/l)



Part 115: Copper, MW-18B

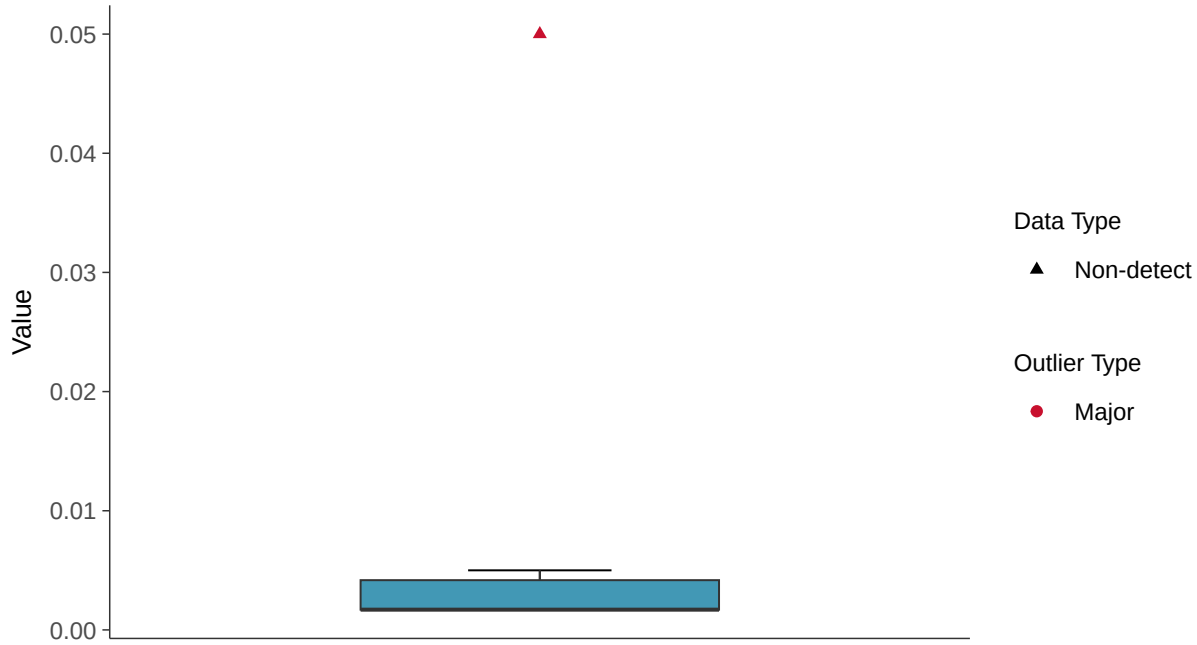
ID: 29_5_111





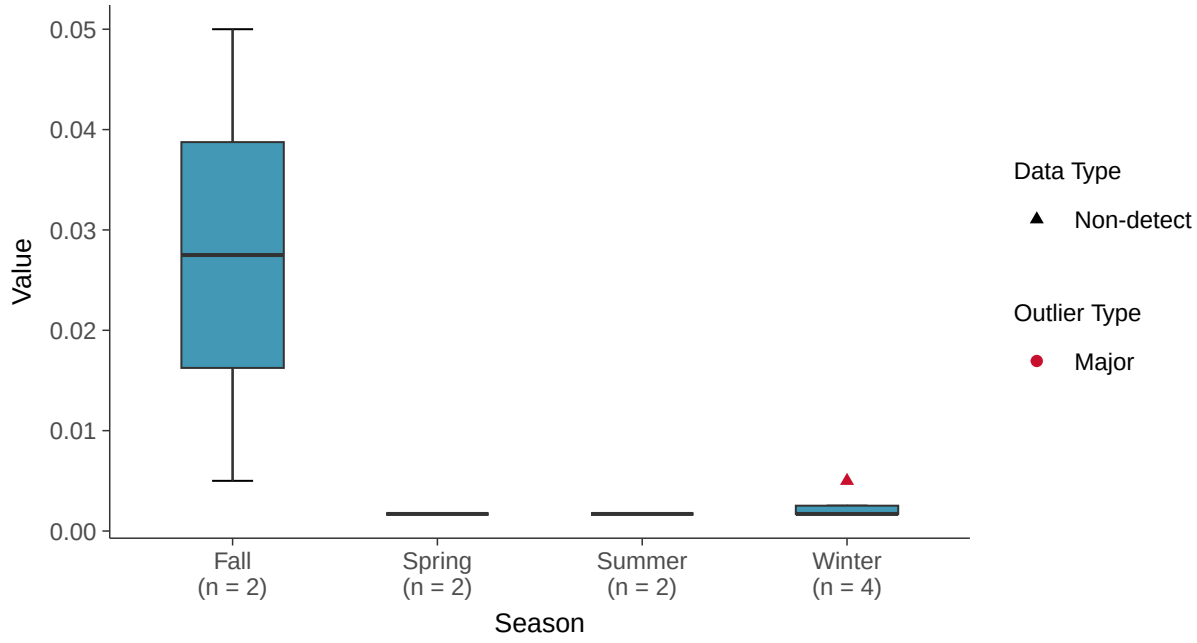
Boxplot

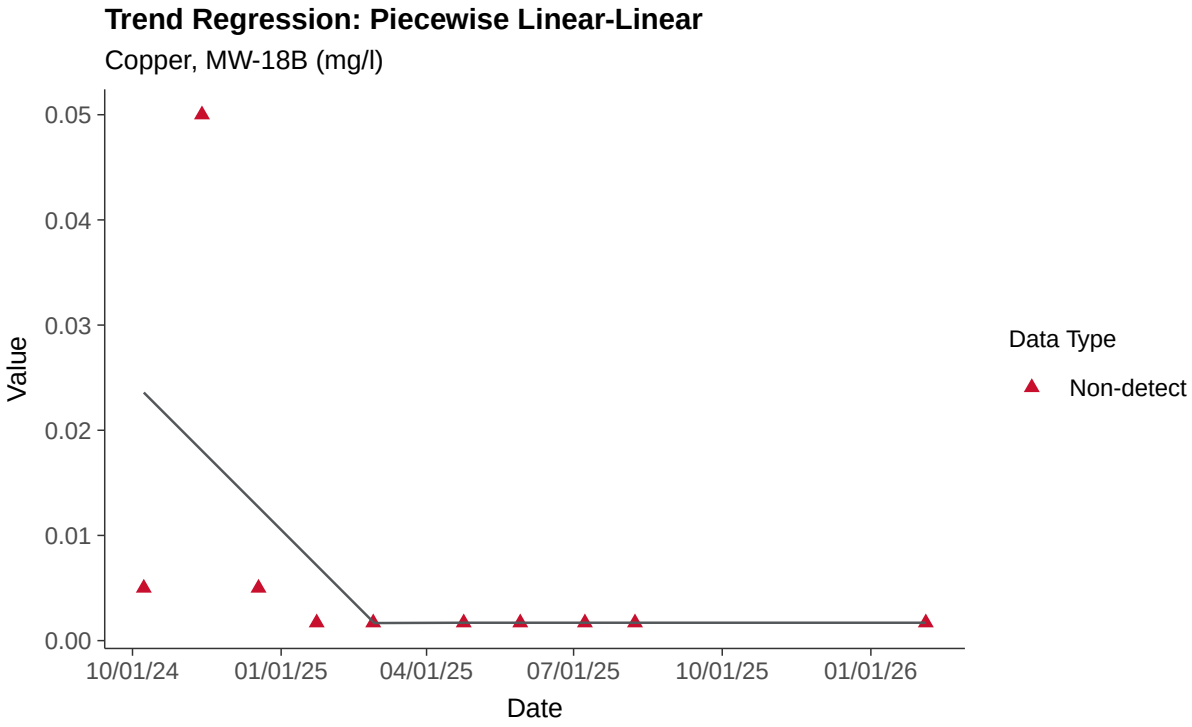
Copper, MW-18B (mg/l)



Boxplot by Season

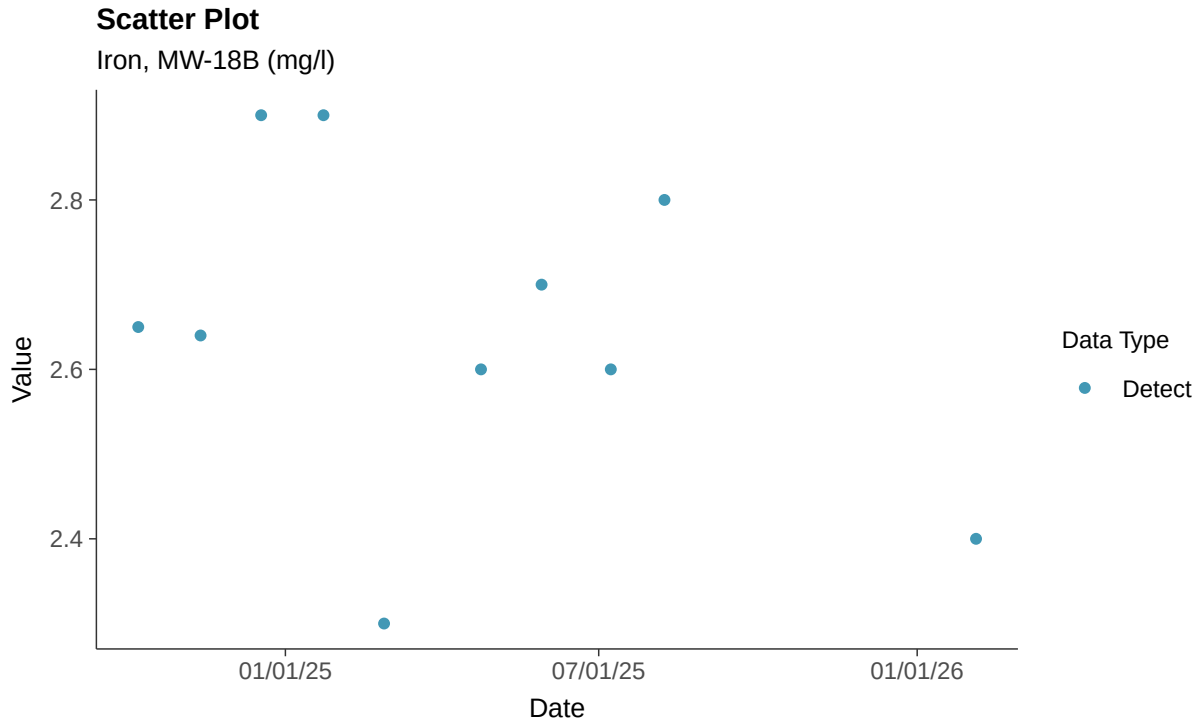
Copper, MW-18B (mg/l)

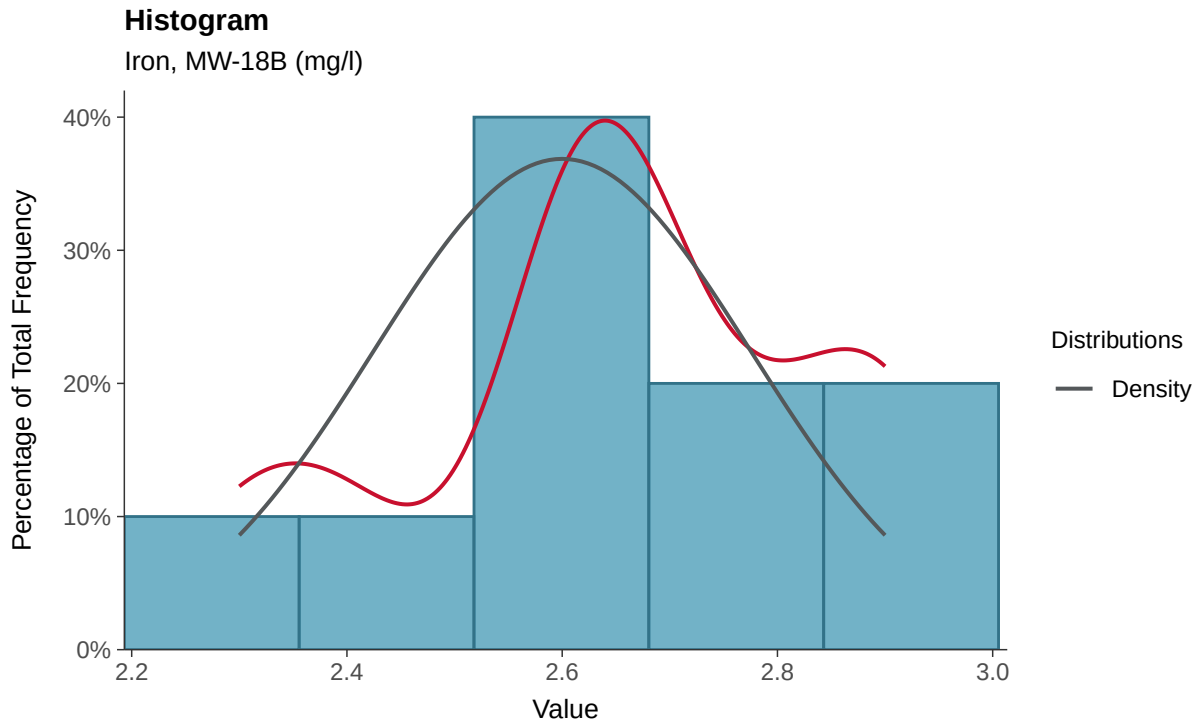



Trend Regression: Piecewise Linear-Linear
Copper, MW-18B (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Iron, MW-18B

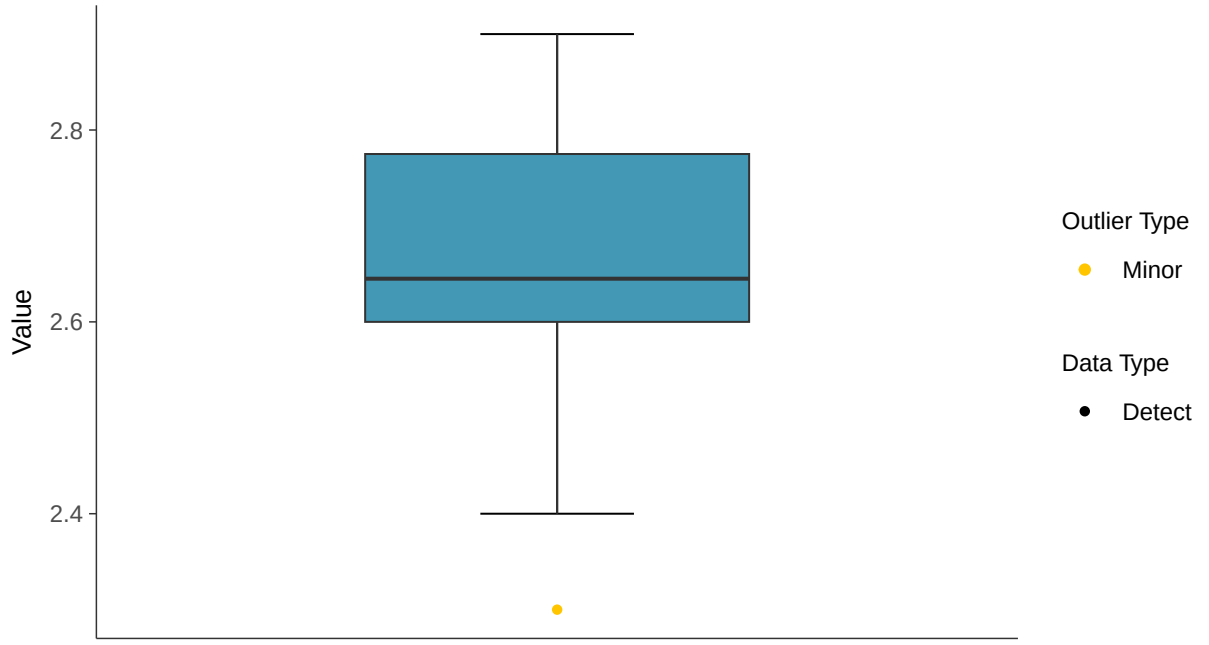
ID: 29_5_114





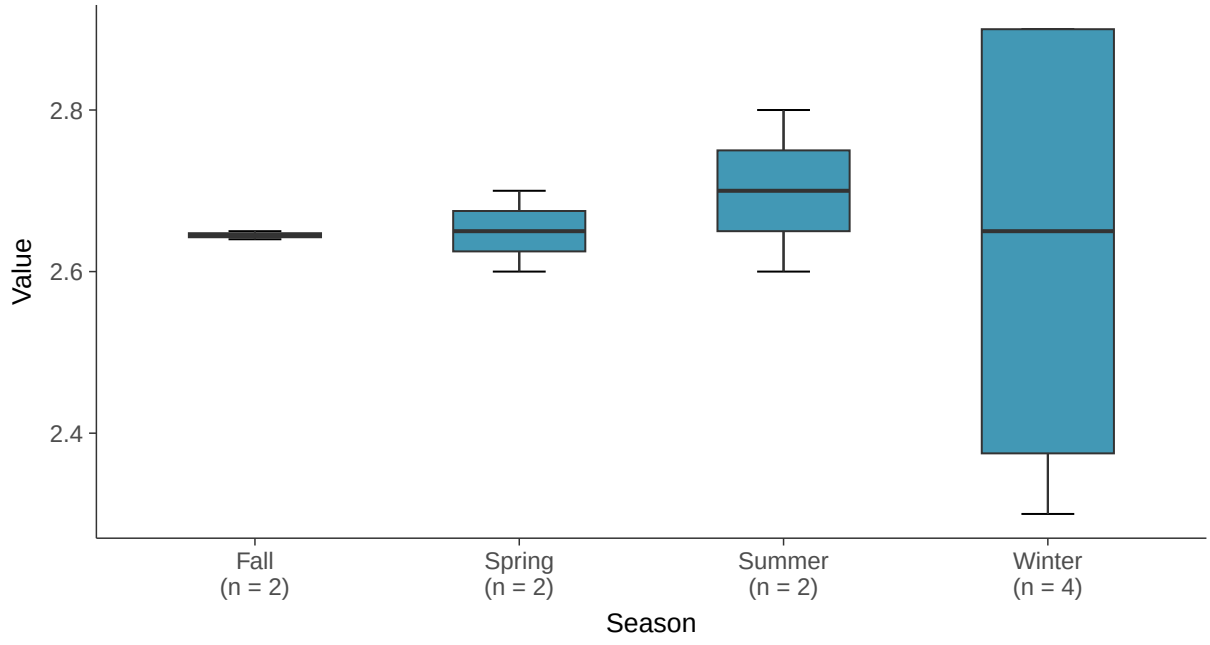
Boxplot

Iron, MW-18B (mg/l)



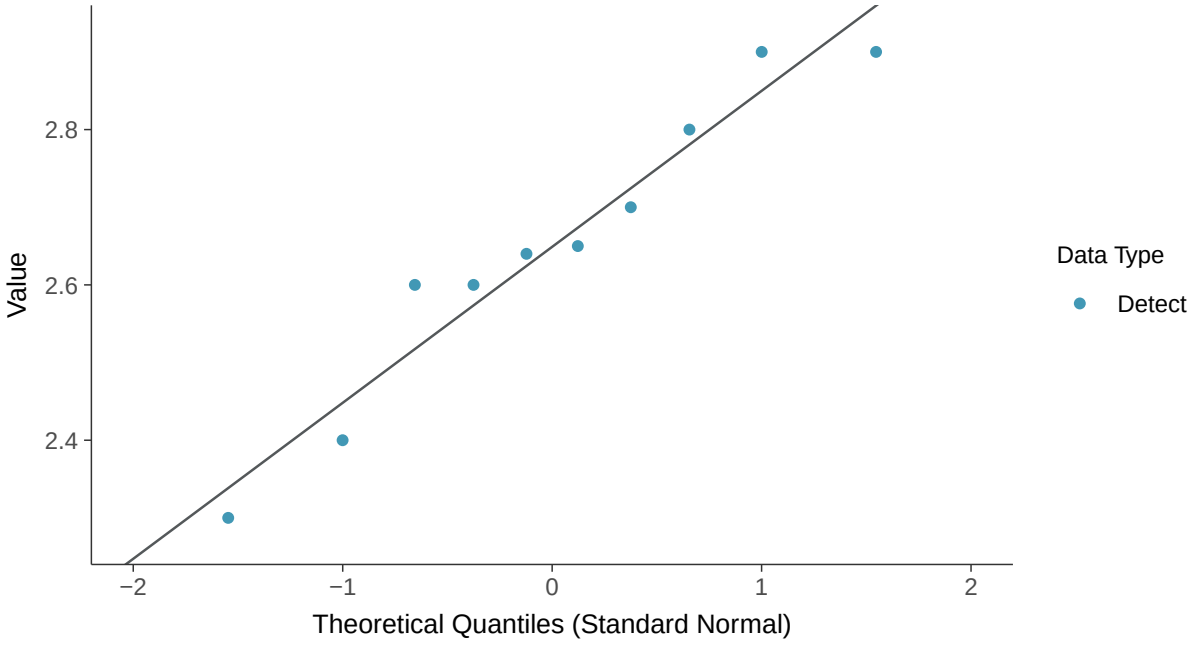
Boxplot by Season

Iron, MW-18B (mg/l)



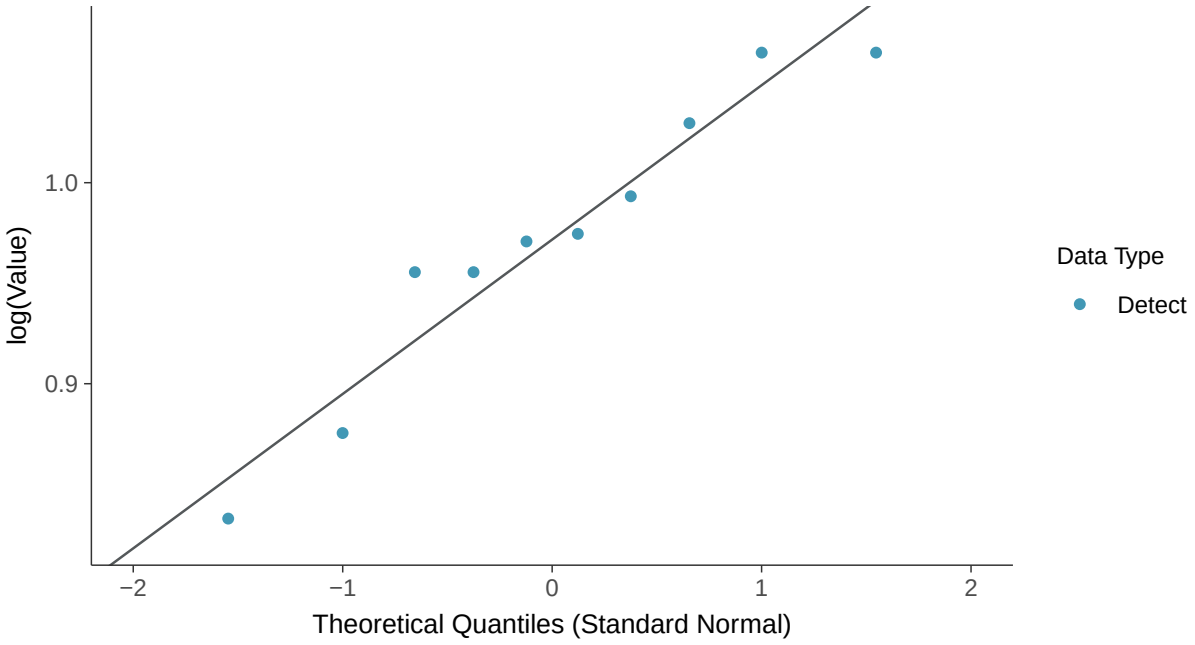
Normal Q-Q plot

Iron, MW-18B (mg/l)



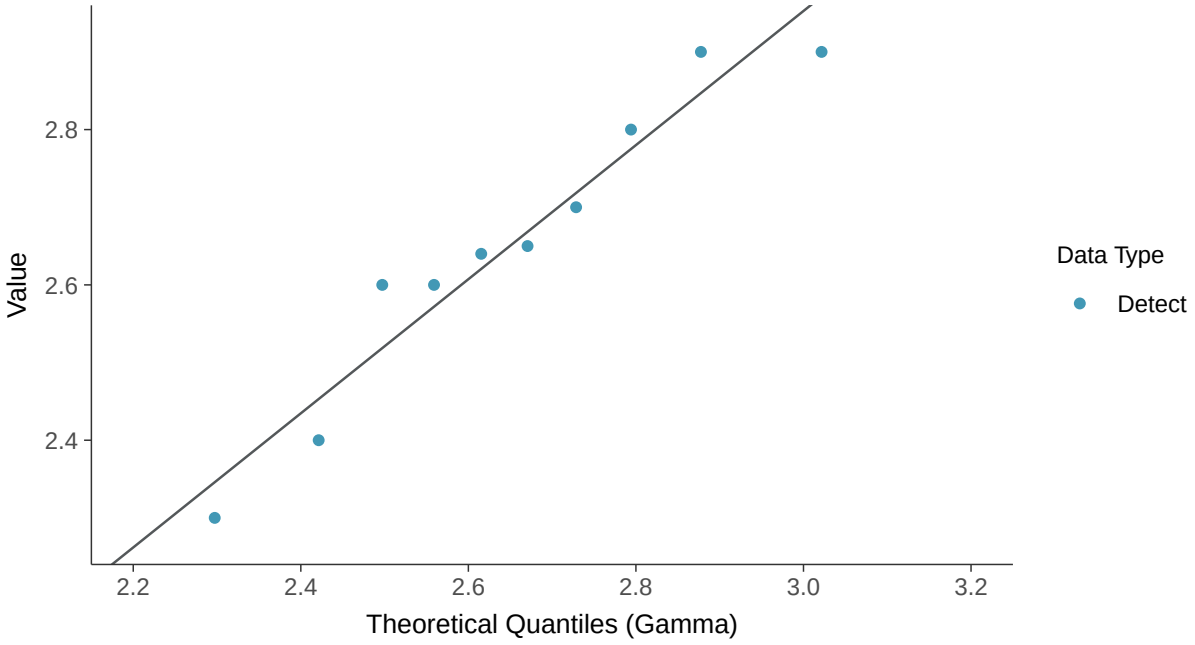
Lognormal Q-Q plot

Iron, MW-18B (mg/l)



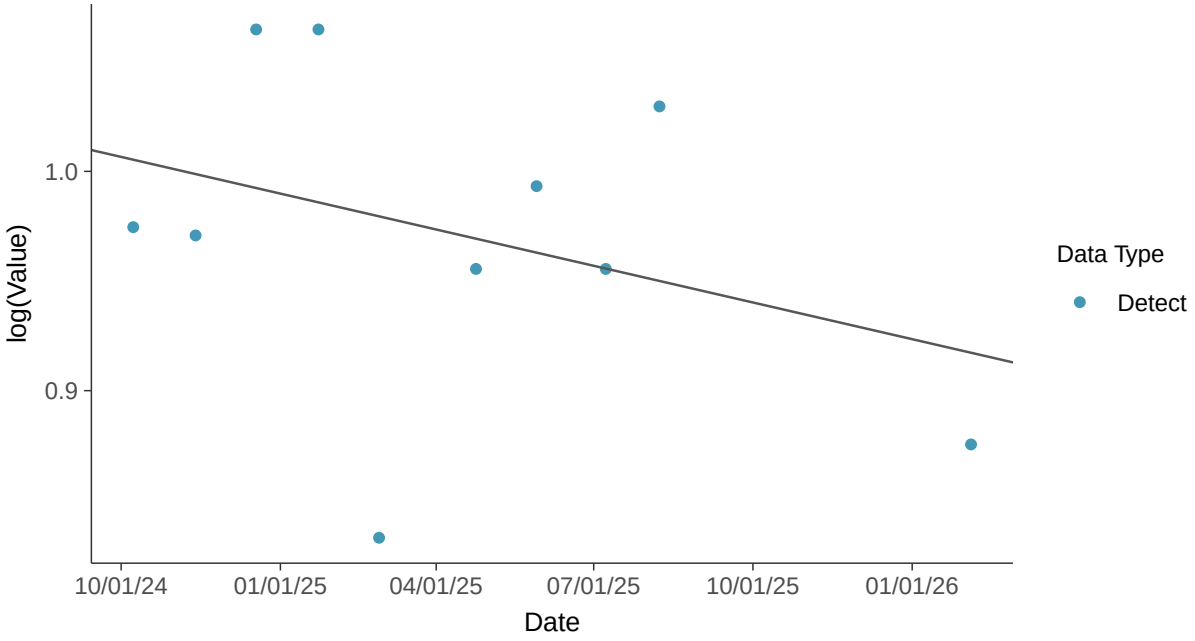
Gamma Q-Q plot

Iron, MW-18B (mg/l)



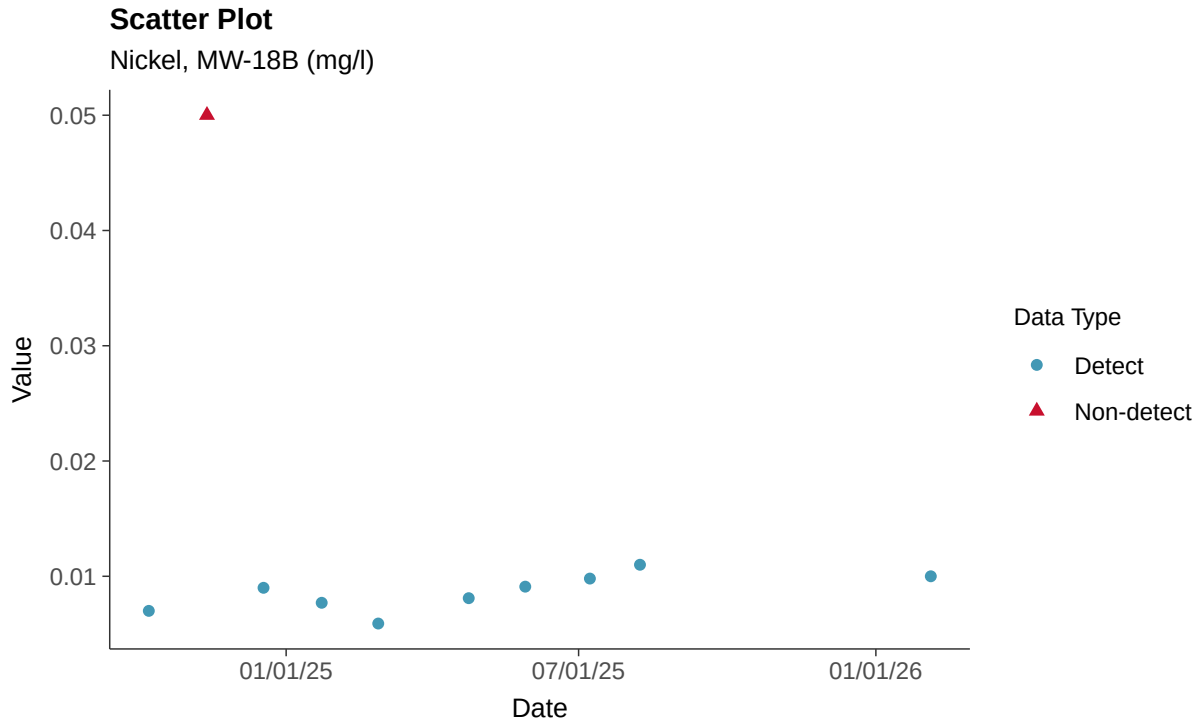
Trend Regression: Lognormal MLE

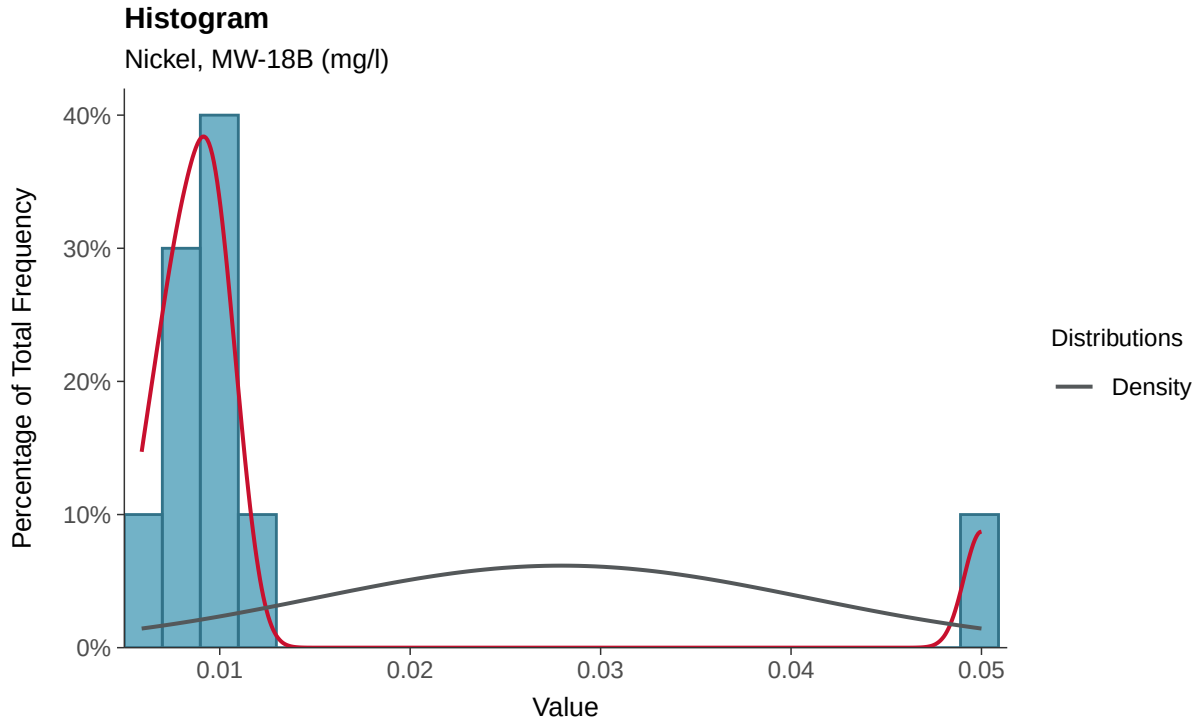
Iron, MW-18B (mg/l)



Part 115: Nickel, MW-18B

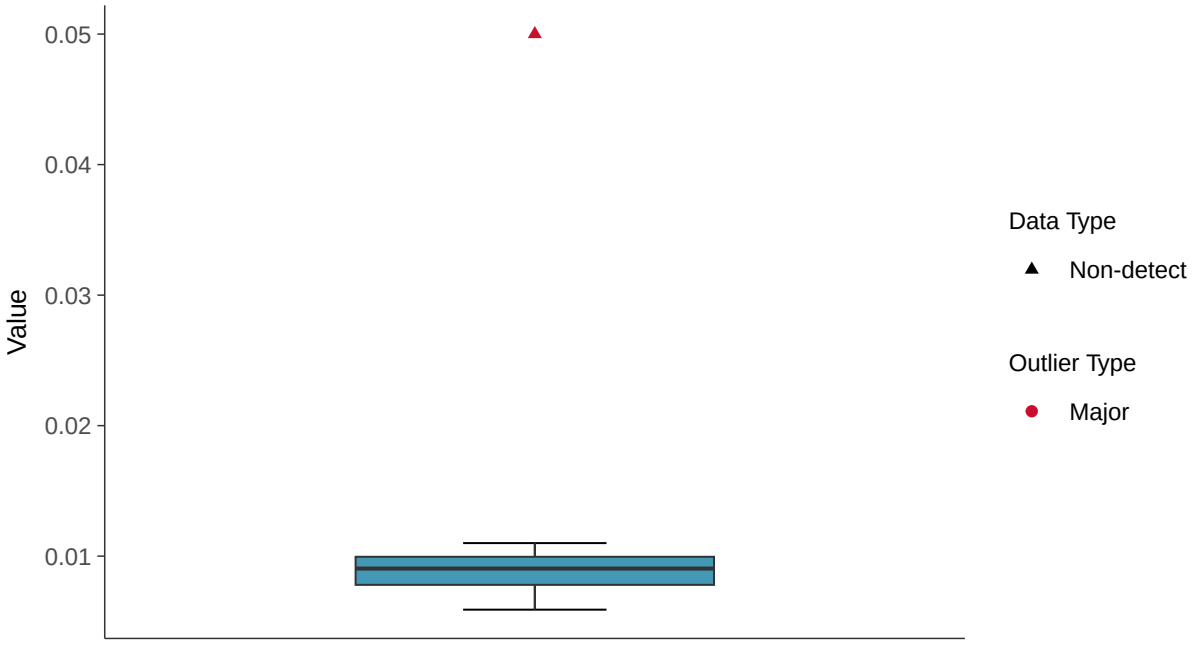
ID: 29_5_119





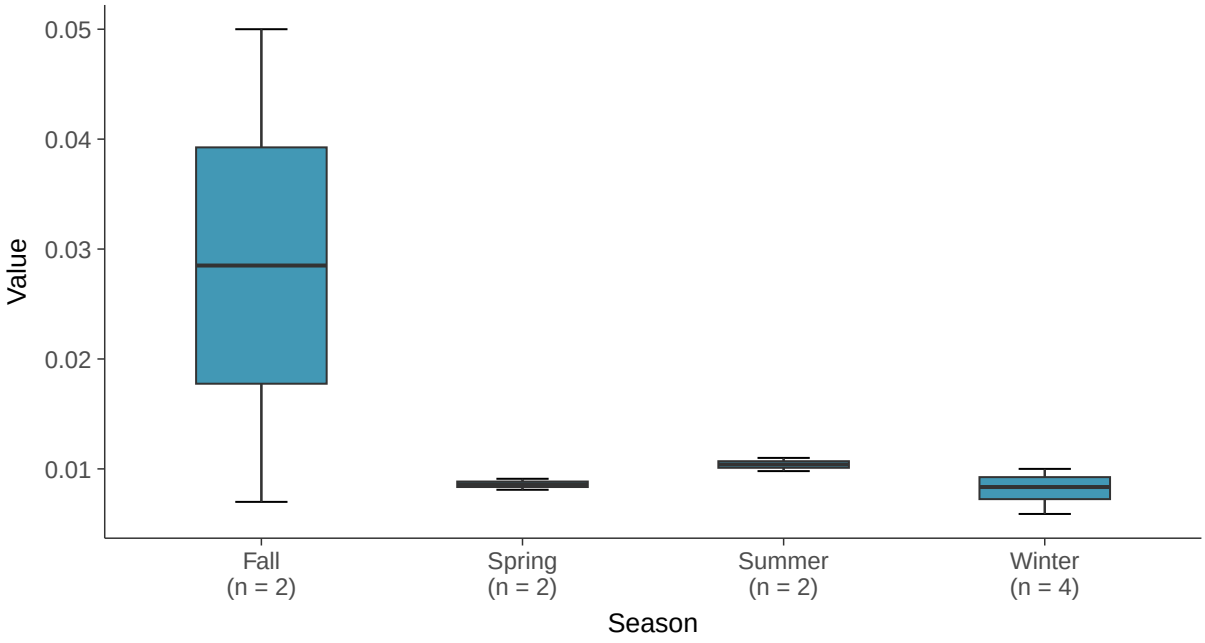
Boxplot

Nickel, MW-18B (mg/l)



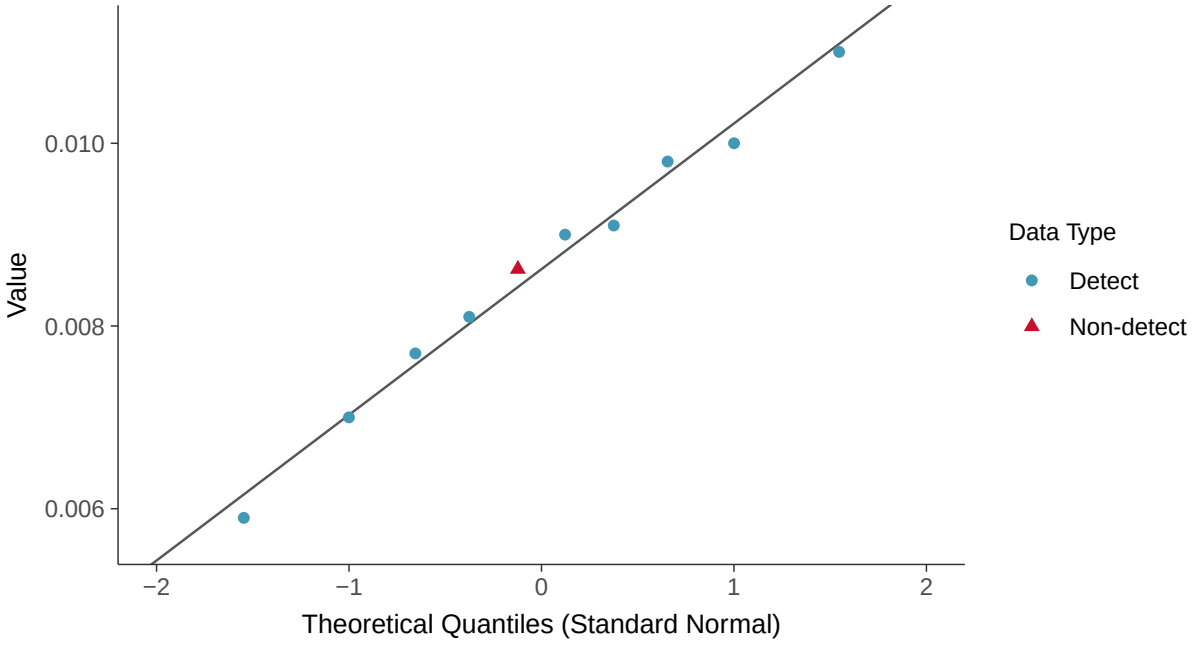
Boxplot by Season

Nickel, MW-18B (mg/l)



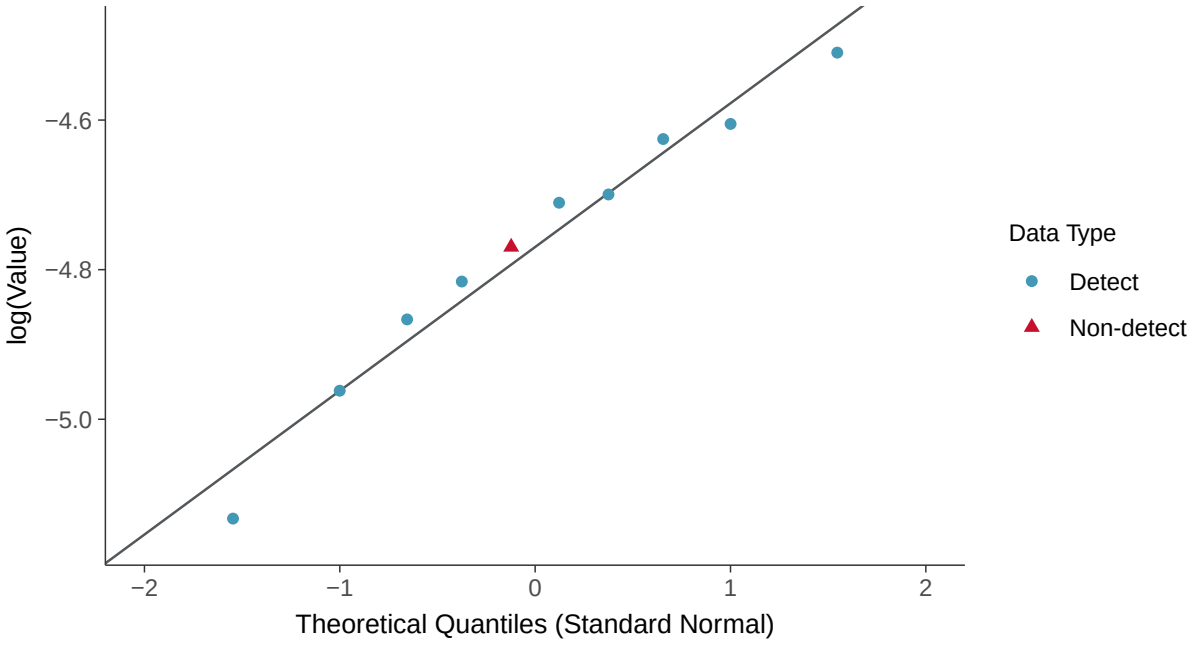
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-18B (mg/l)



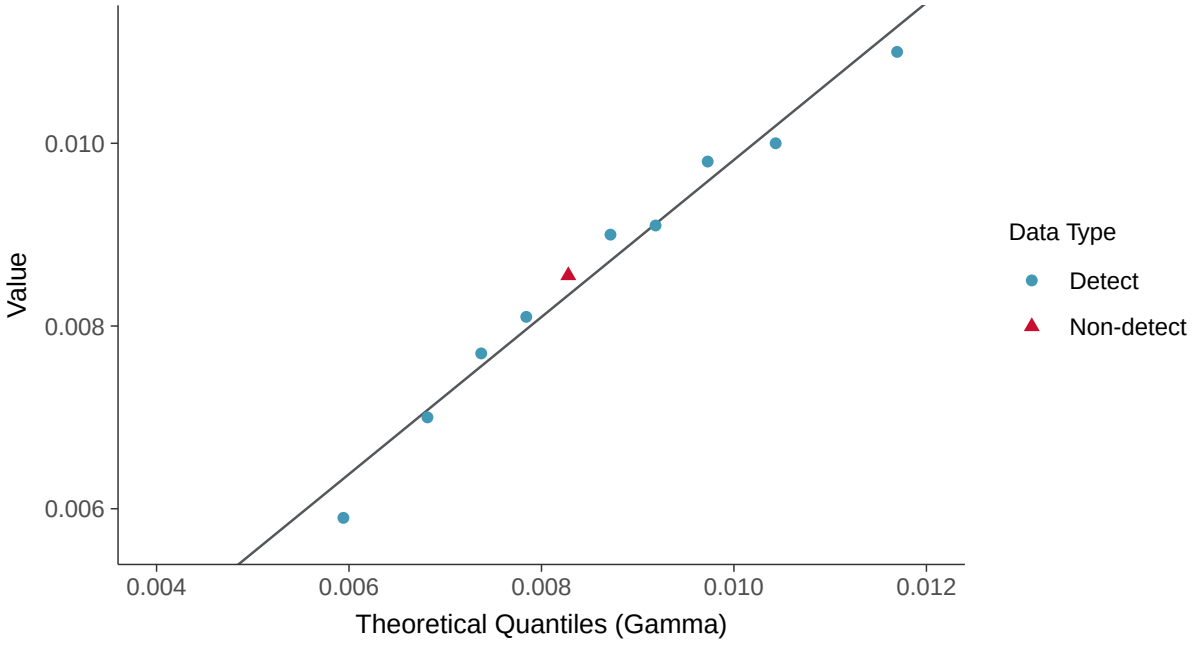
Lognormal Q-Q plot using ROS Imputed Estimates

Nickel, MW-18B (mg/l)



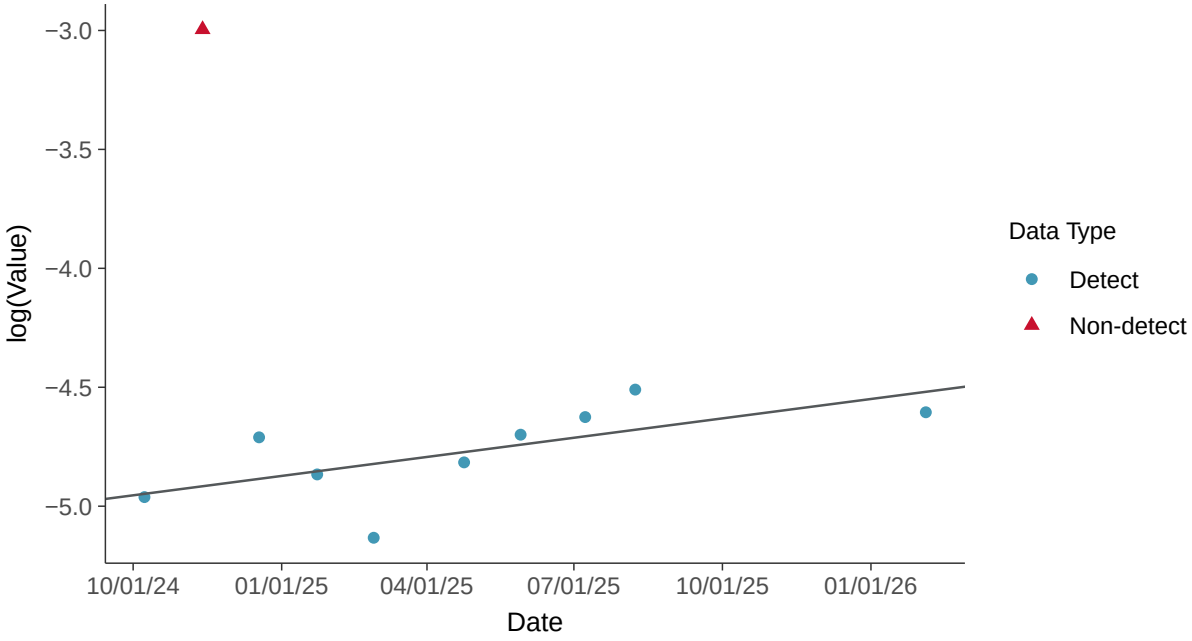
Gamma Q-Q plot using ROS Imputed Estimates

Nickel, MW-18B (mg/l)



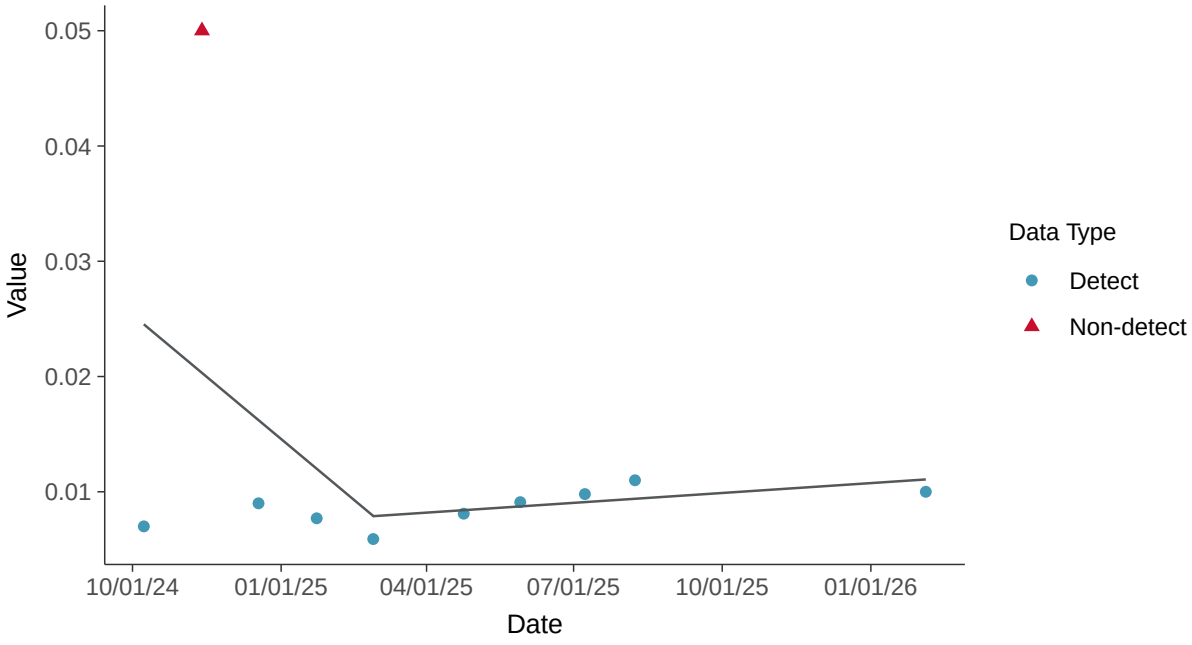
Trend Regression: Lognormal MLE

Nickel, MW-18B (mg/l)



Trend Regression: Piecewise Linear-Linear

Nickel, MW-18B (mg/l)

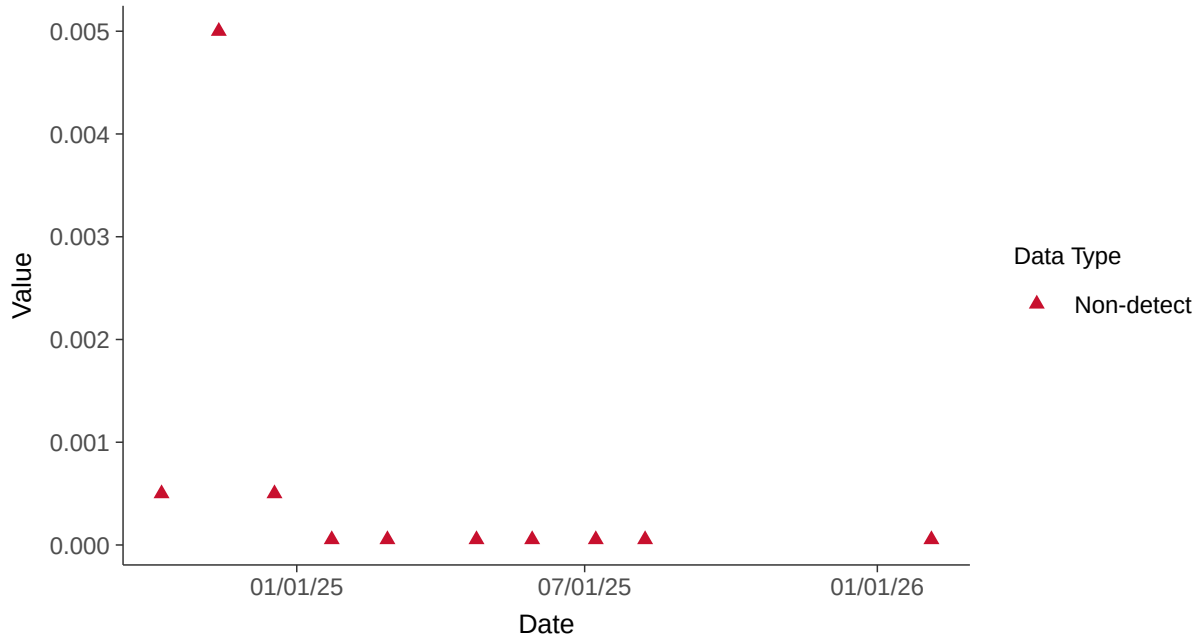


Part 115: Silver, MW-18B

ID: 29_5_123

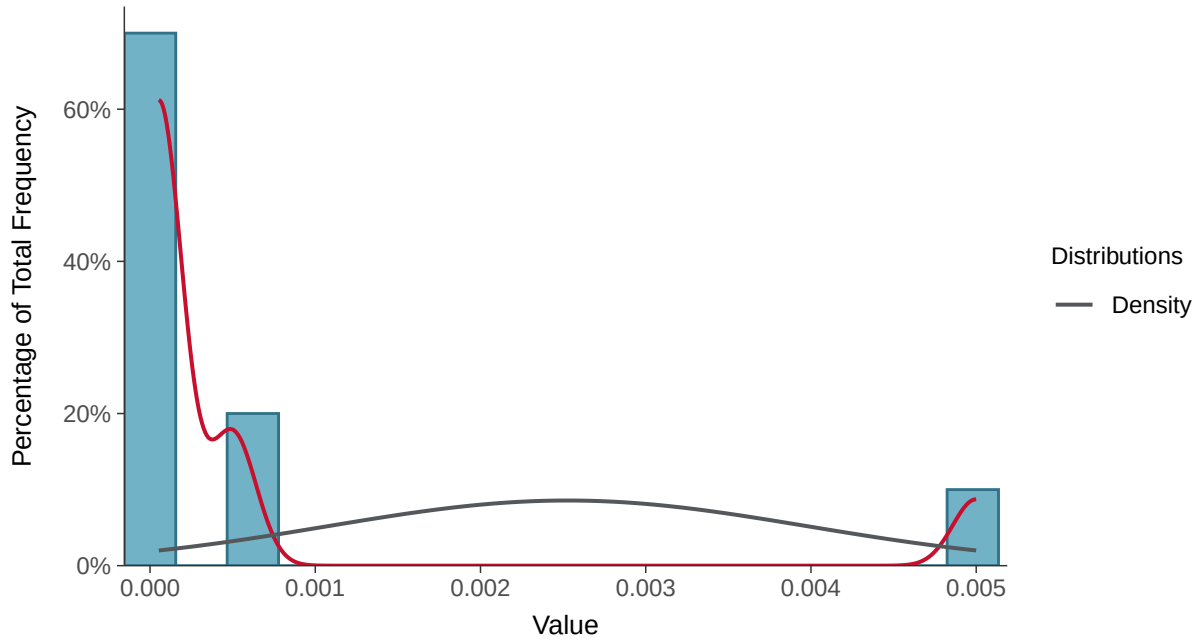
Scatter Plot

Silver, MW-18B (mg/l)



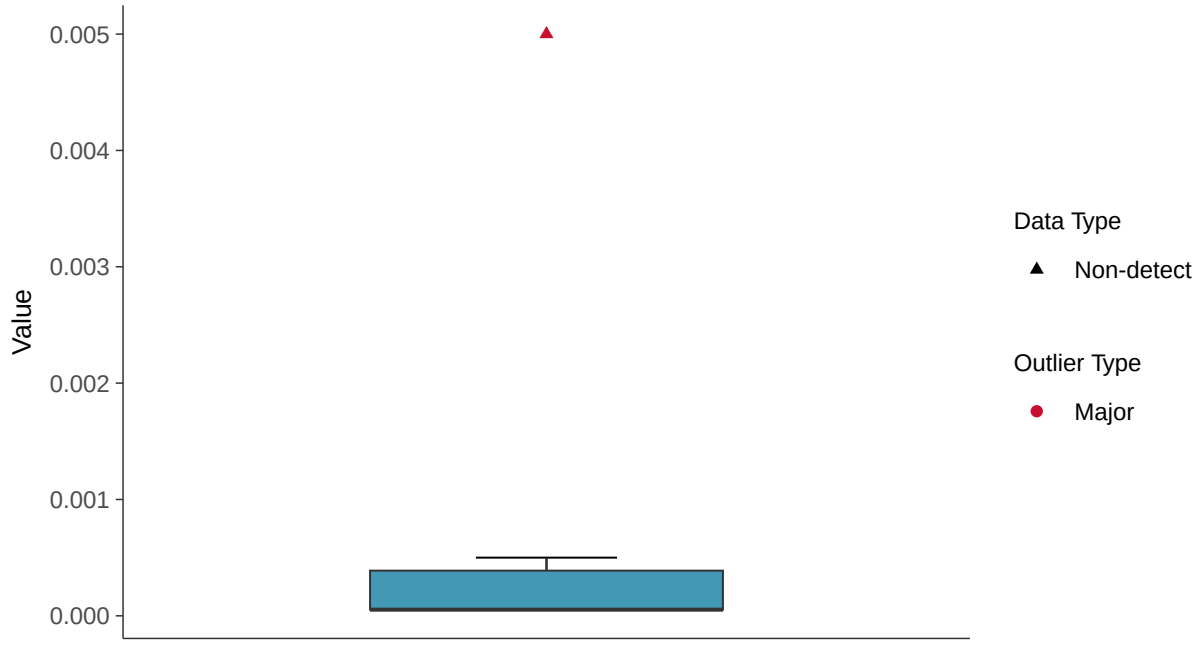
Histogram

Silver, MW-18B (mg/l)



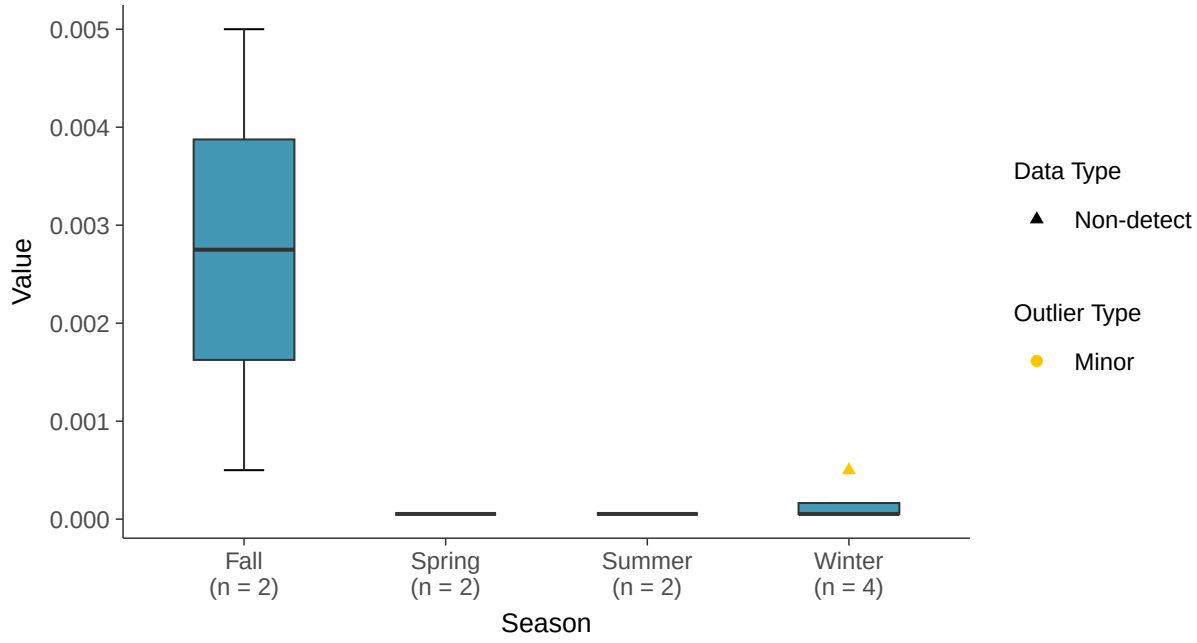
Boxplot

Silver, MW-18B (mg/l)



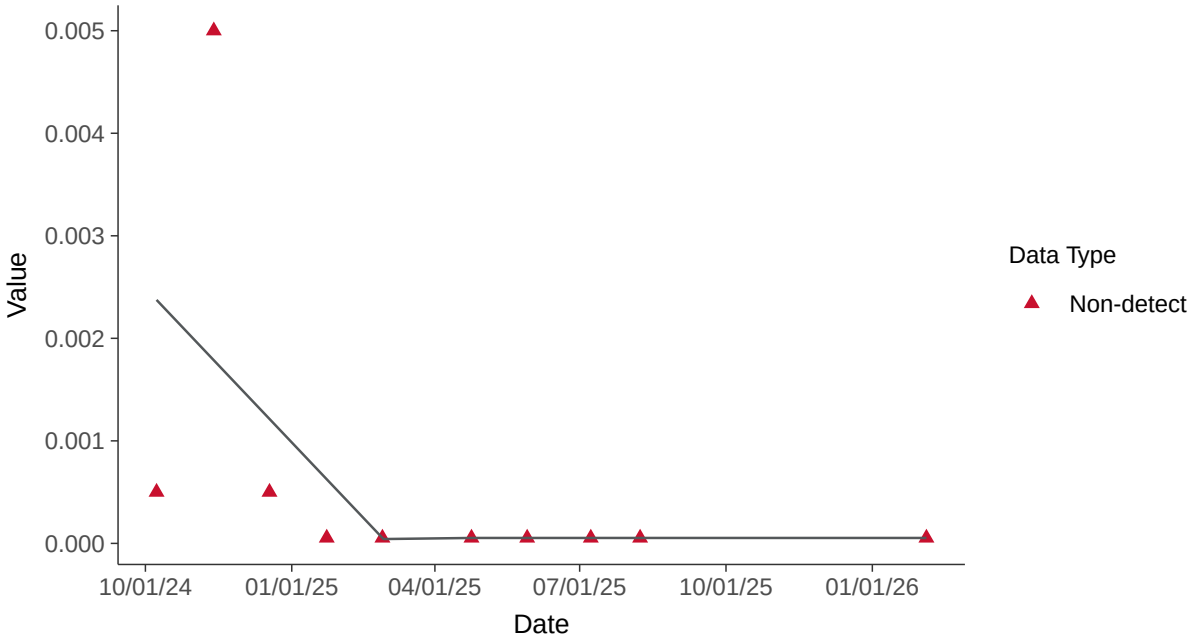
Boxplot by Season

Silver, MW-18B (mg/l)



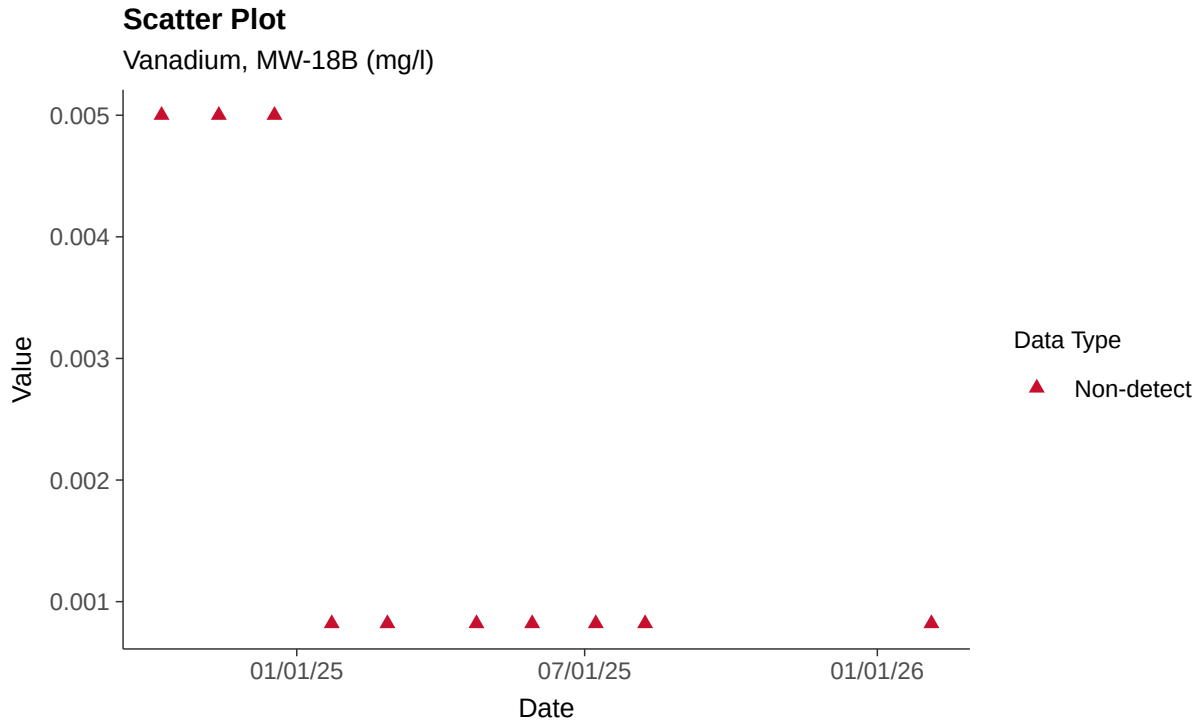
Trend Regression: Piecewise Linear-Linear

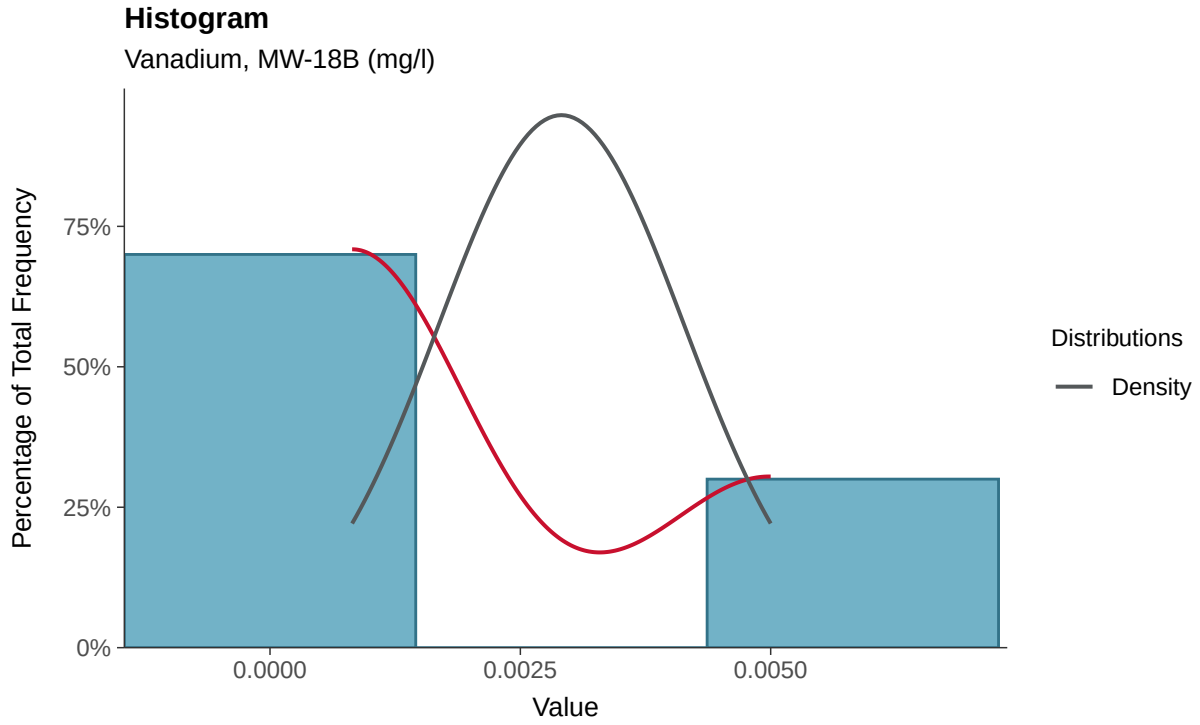
Silver, MW-18B (mg/l)



Part 115: Vanadium, MW-18B

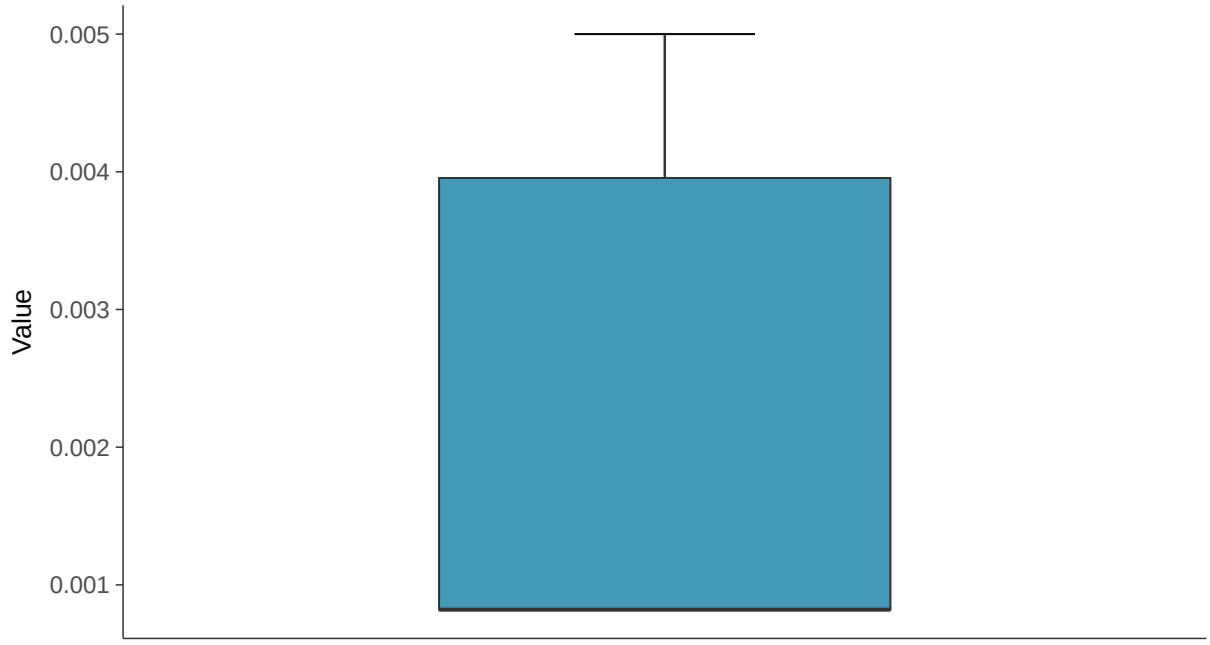
ID: 29_5_128





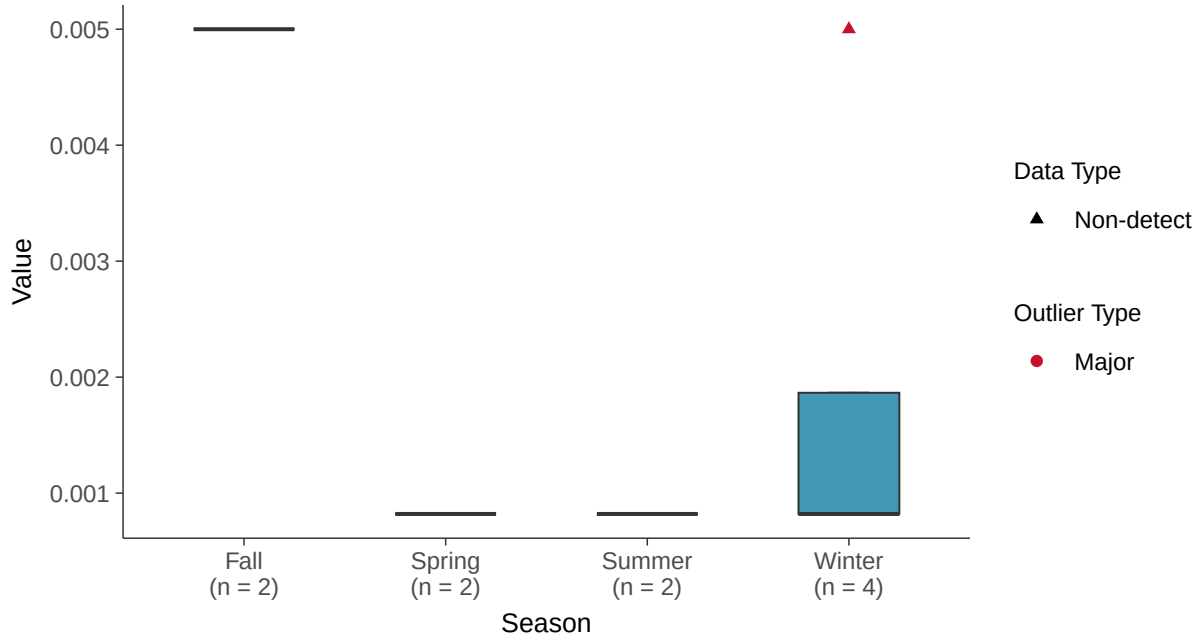
Boxplot

Vanadium, MW-18B (mg/l)



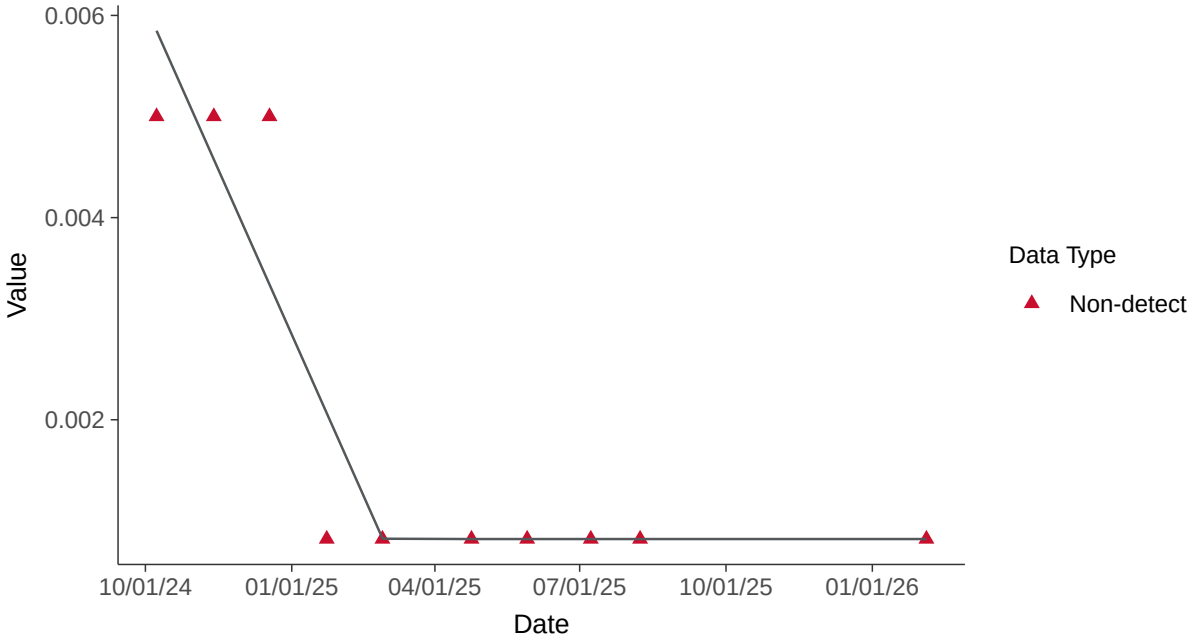
Boxplot by Season

Vanadium, MW-18B (mg/l)



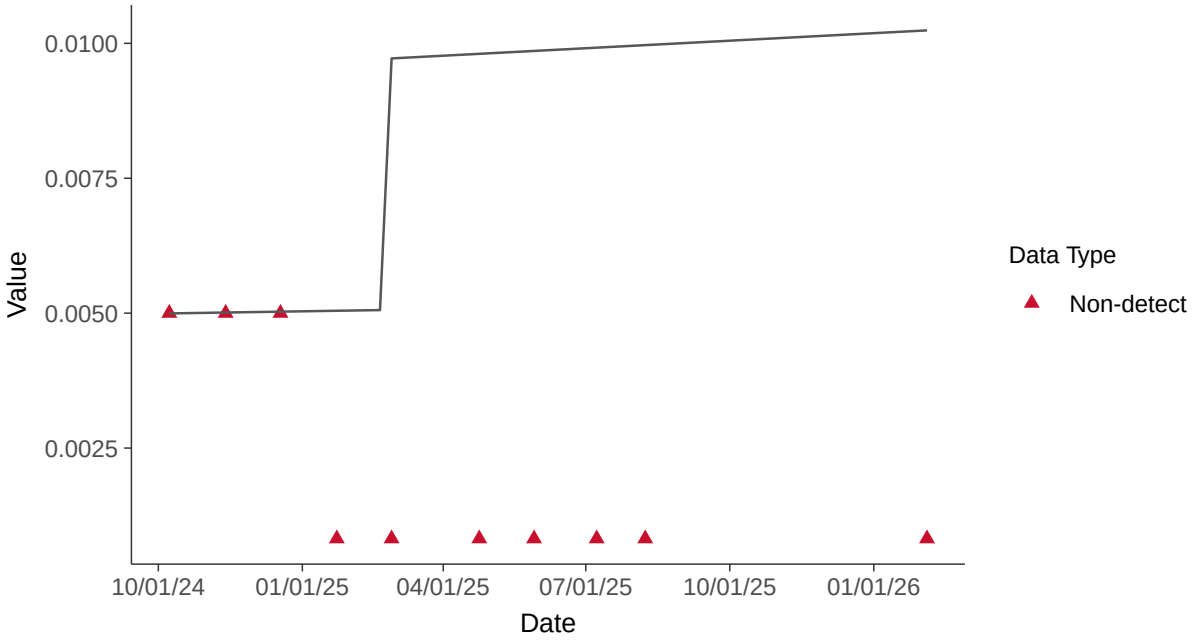
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-18B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Vanadium, MW-18B (mg/l)

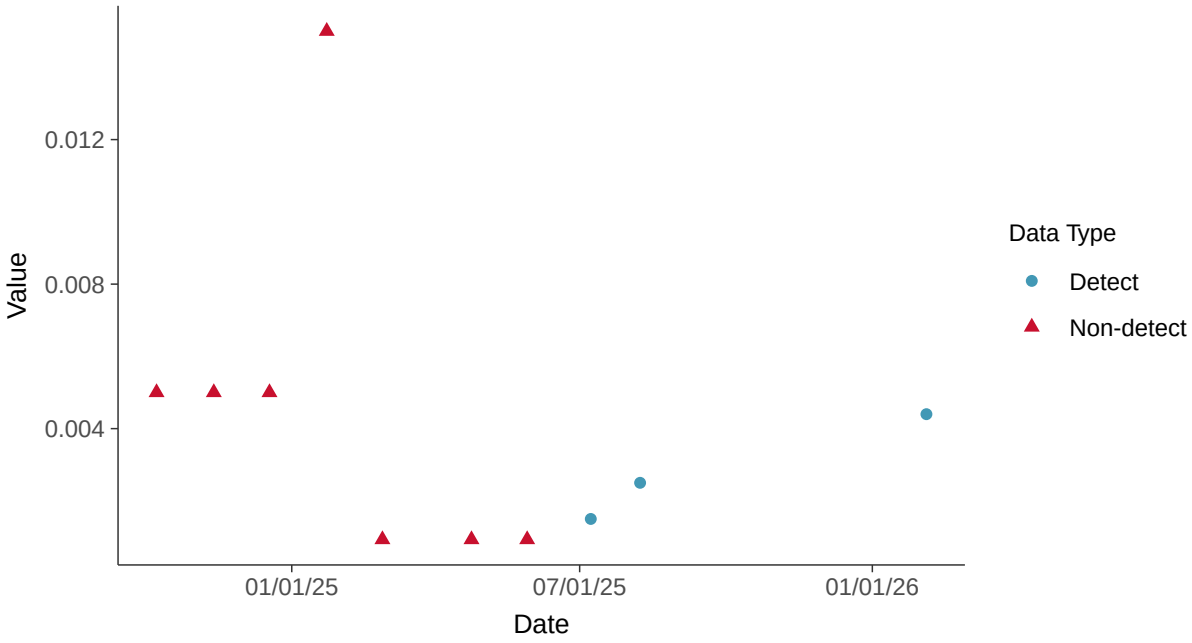


Part 115: Zinc, MW-18B

ID: 29_5_129

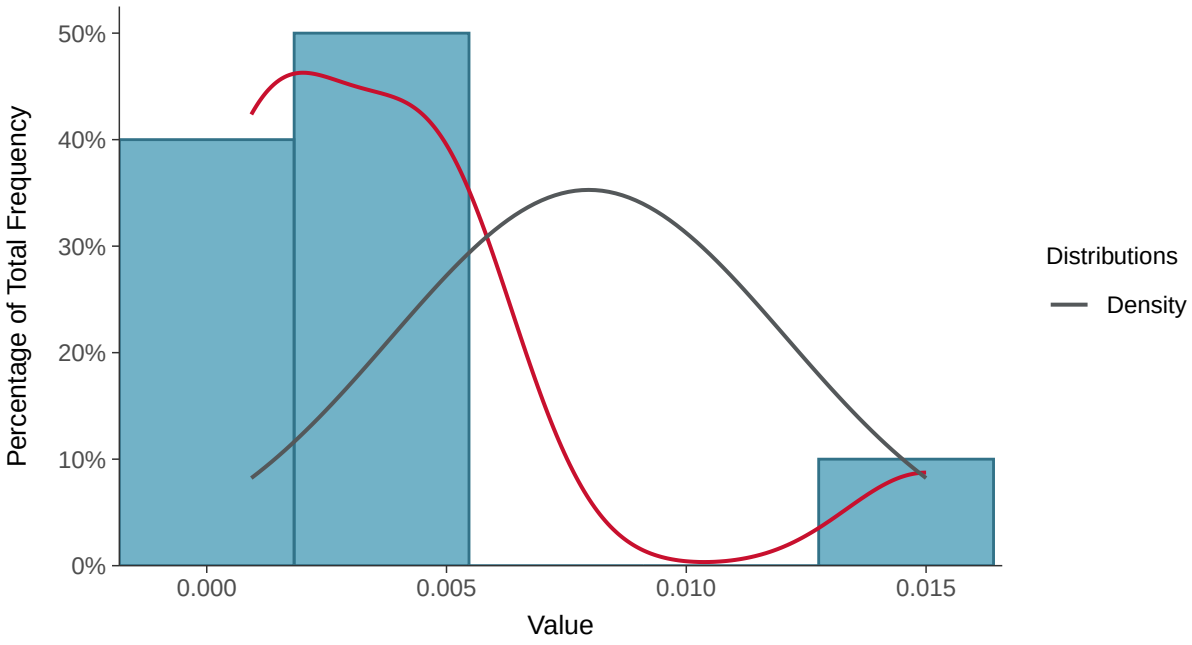
Scatter Plot

Zinc, MW-18B (mg/l)



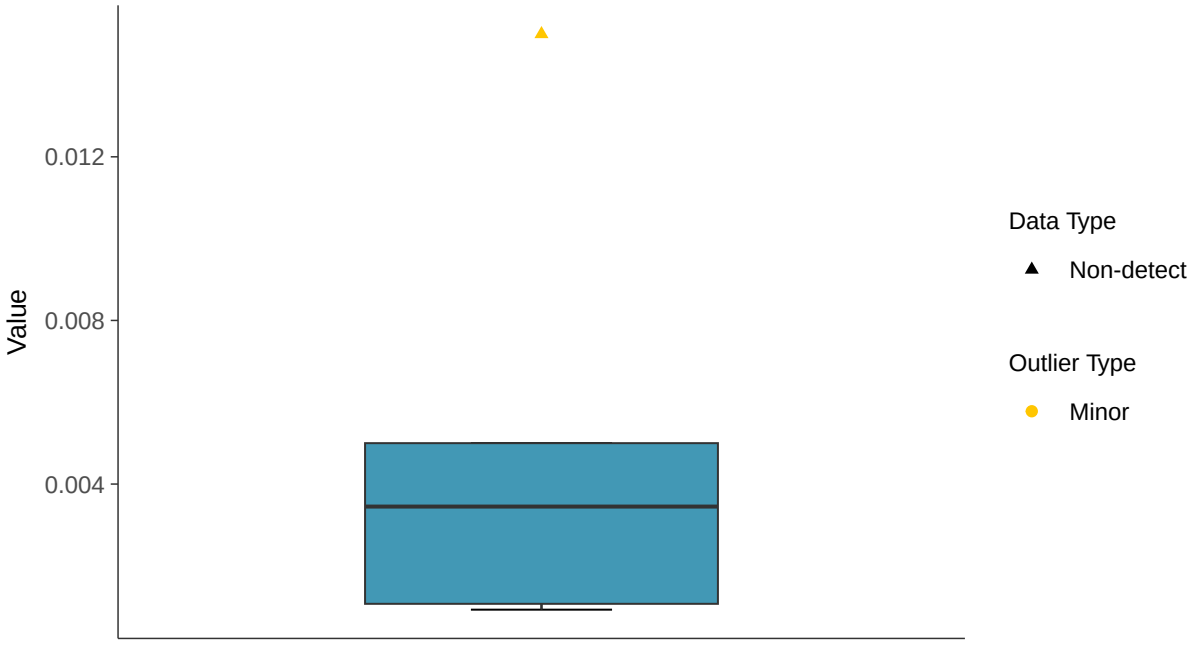
Histogram

Zinc, MW-18B (mg/l)



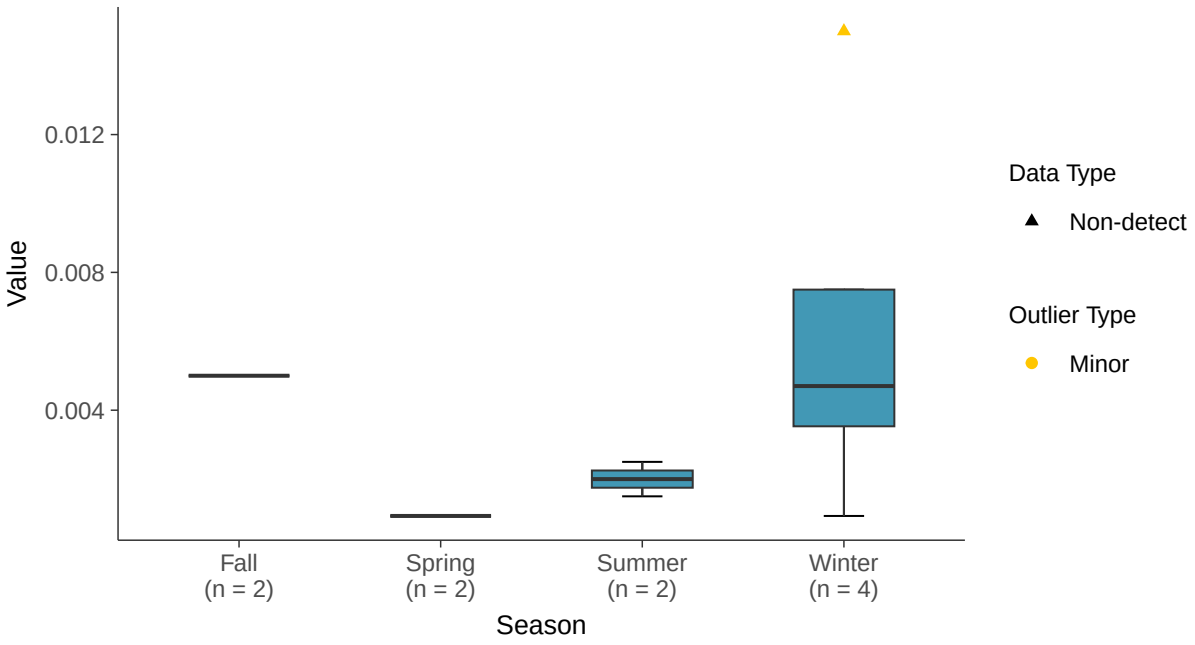
Boxplot

Zinc, MW-18B (mg/l)



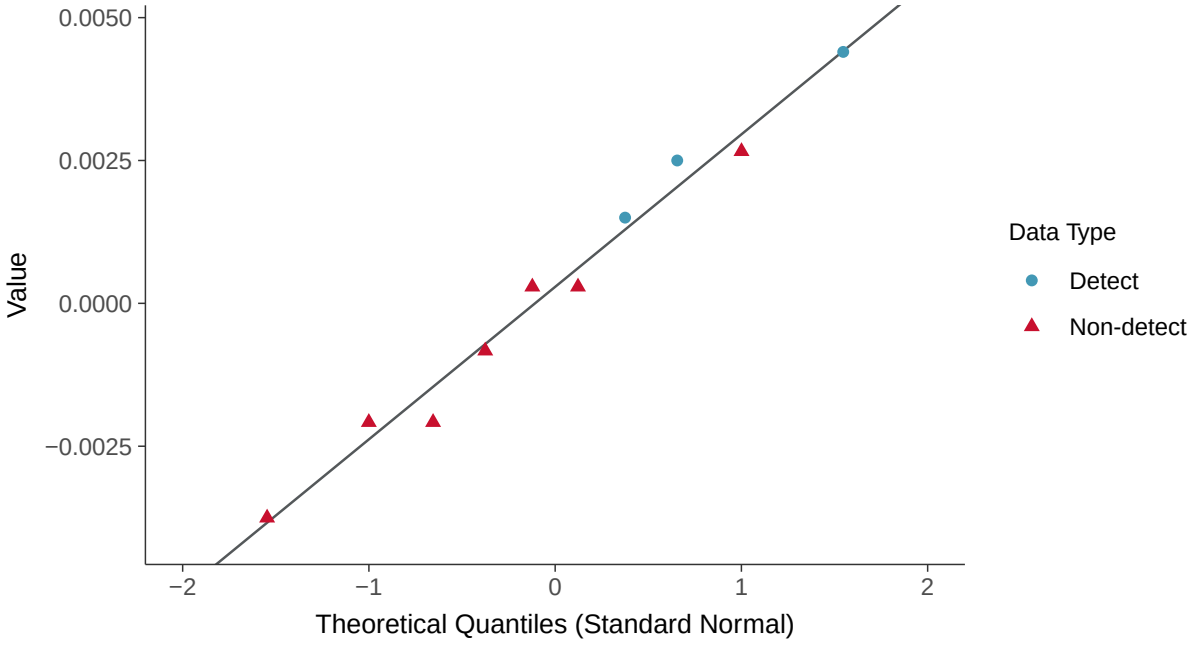
Boxplot by Season

Zinc, MW-18B (mg/l)



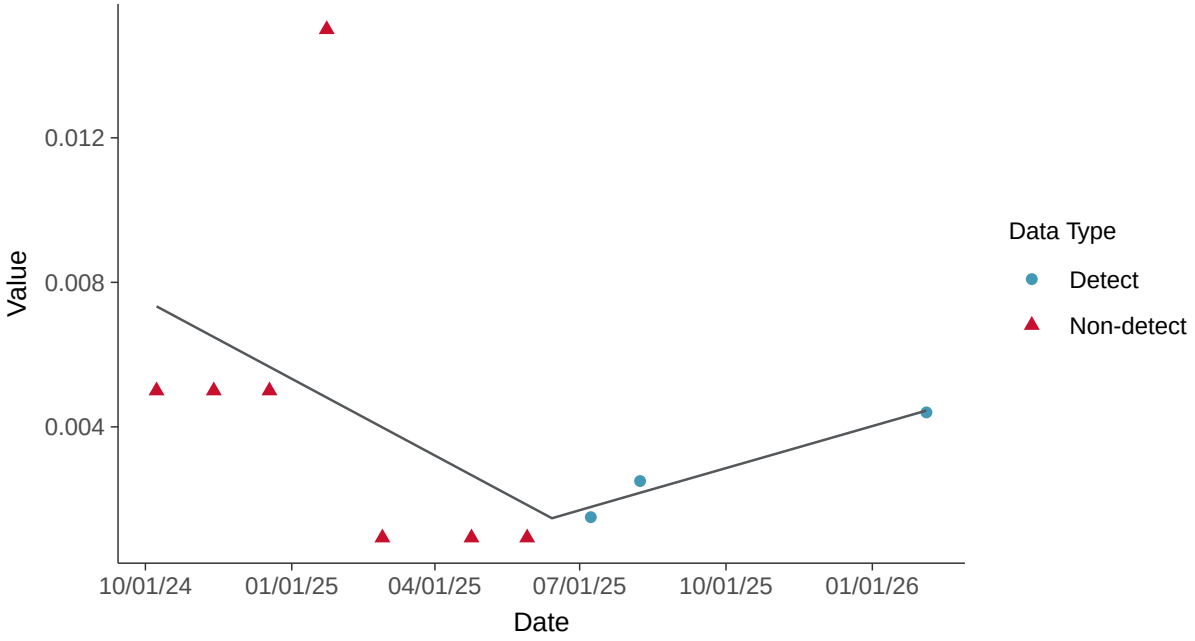
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-18B (mg/l)



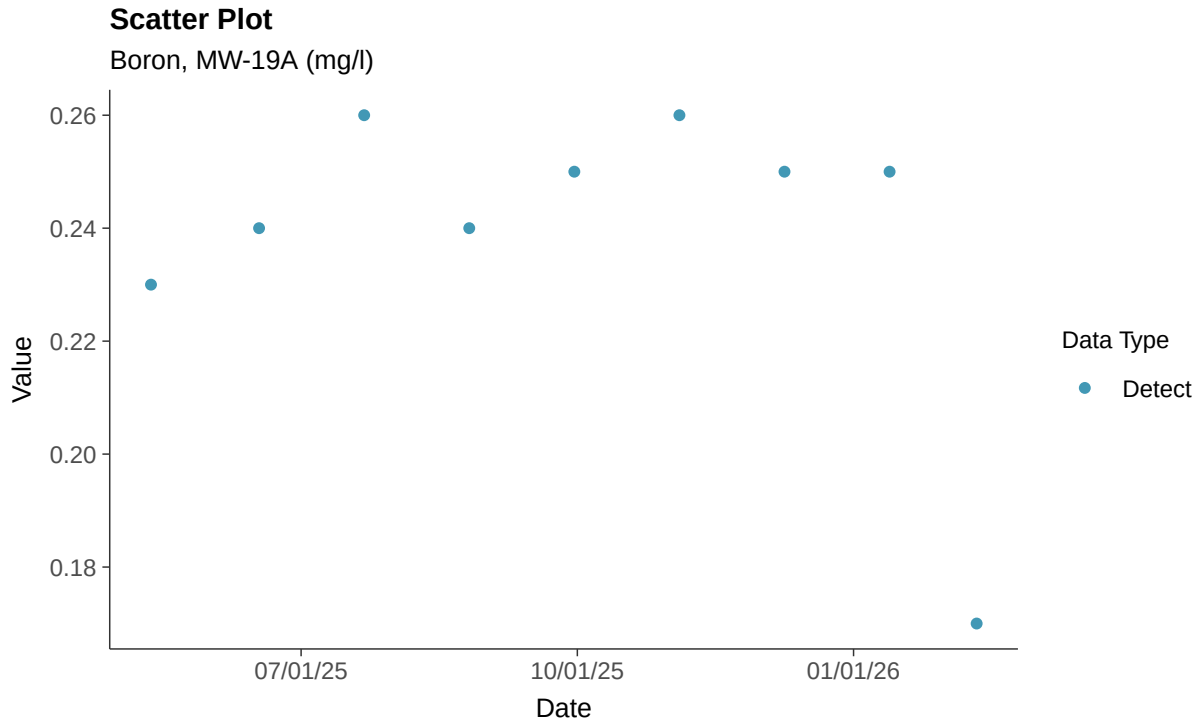
Trend Regression: Piecewise Linear-Linear

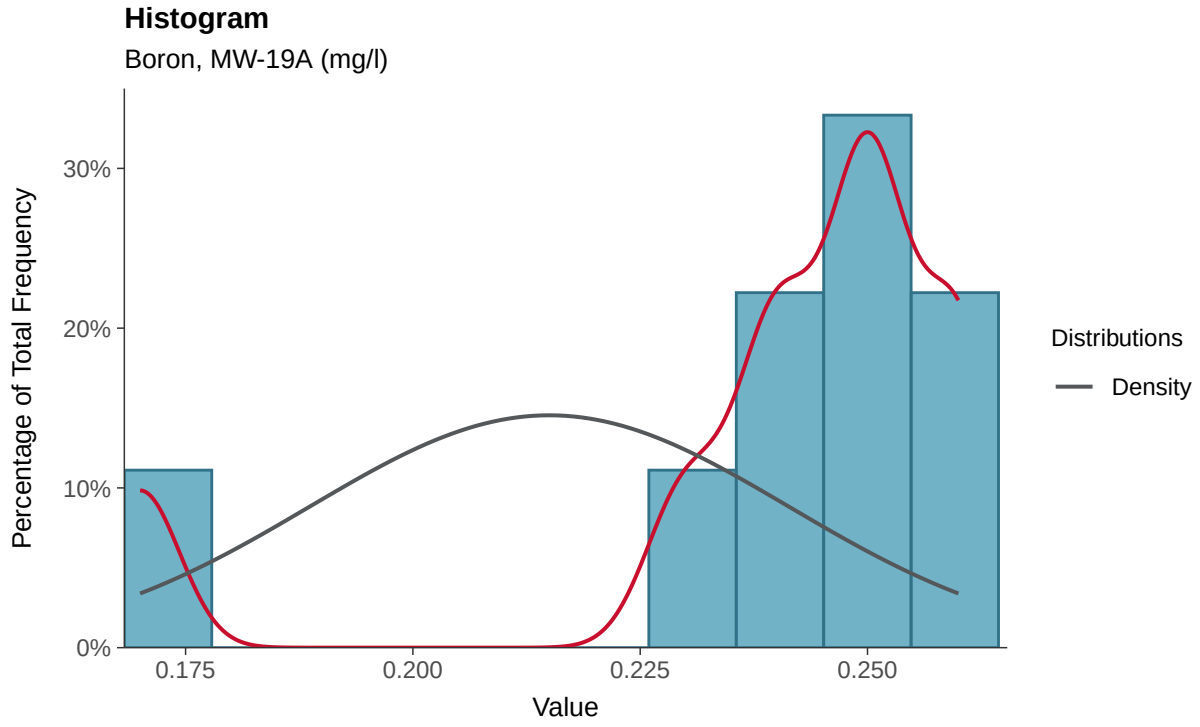
Zinc, MW-18B (mg/l)



Appendix III: Boron, MW-19A

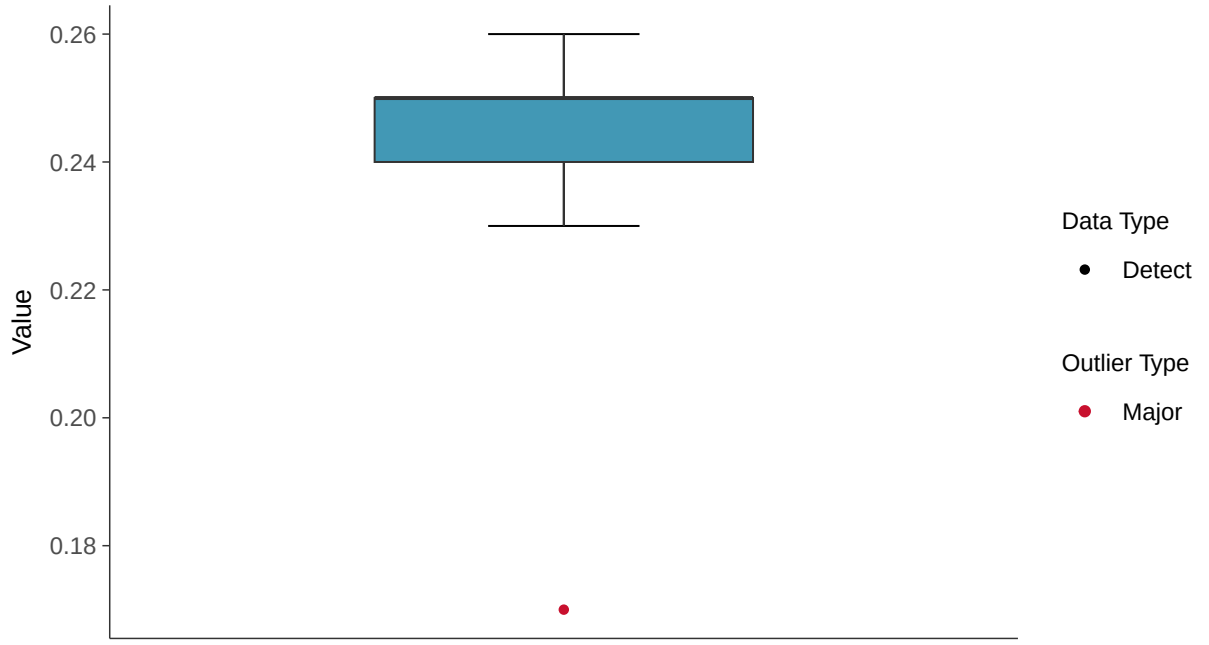
ID: 30_2_105





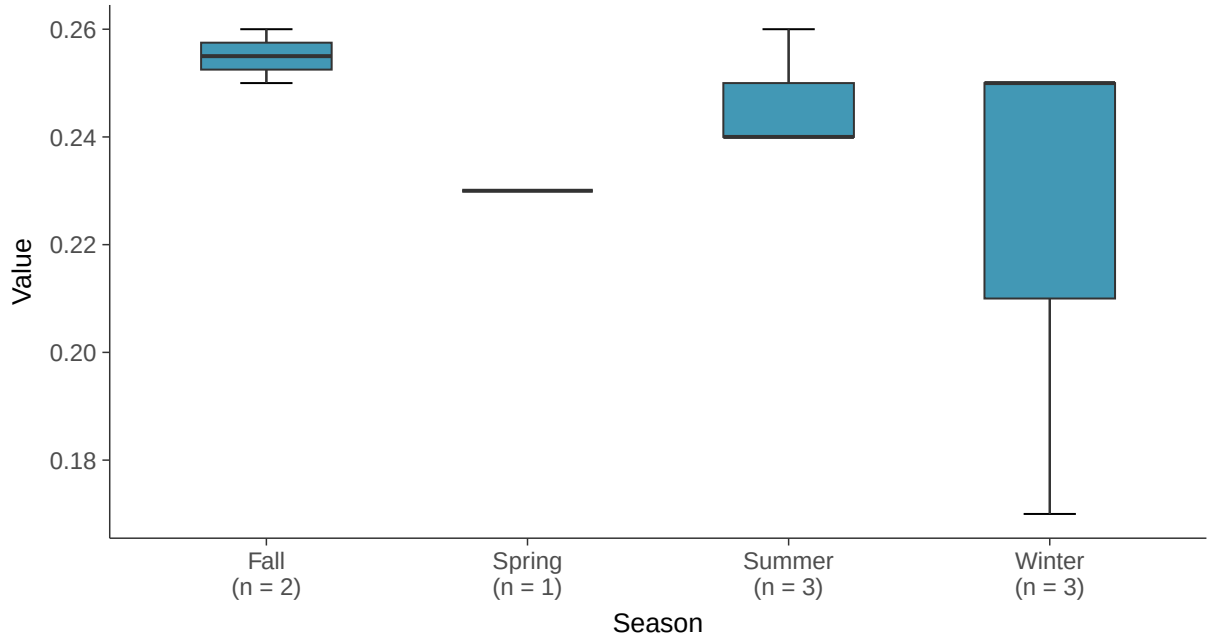
Boxplot

Boron, MW-19A (mg/l)



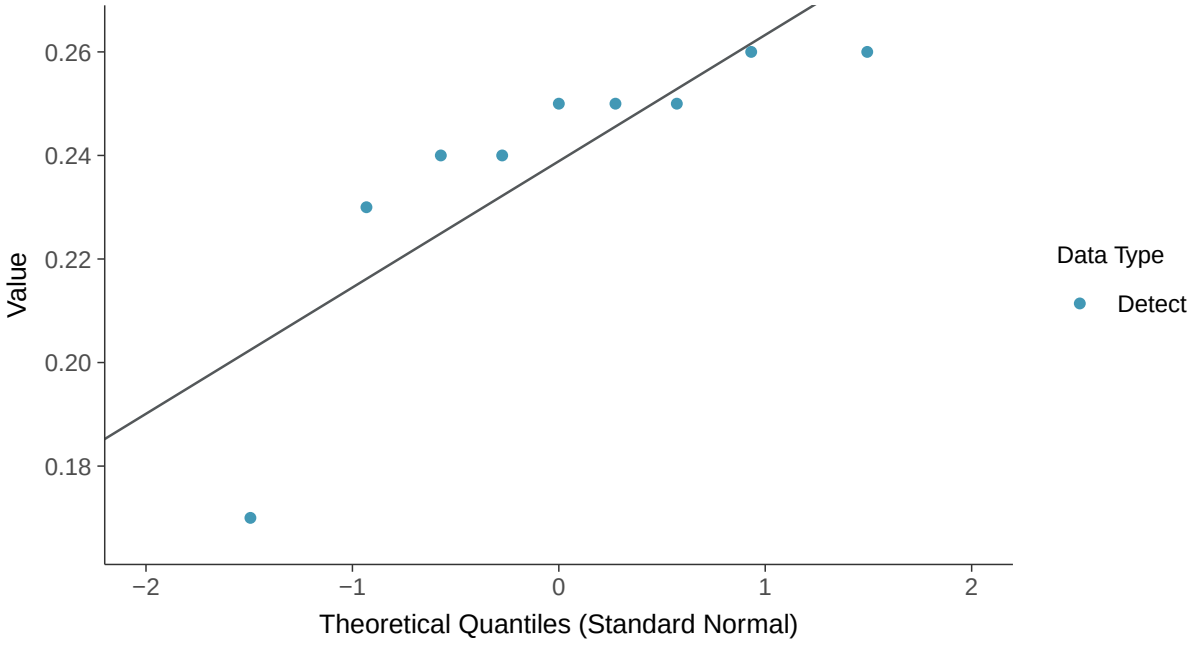
Boxplot by Season

Boron, MW-19A (mg/l)



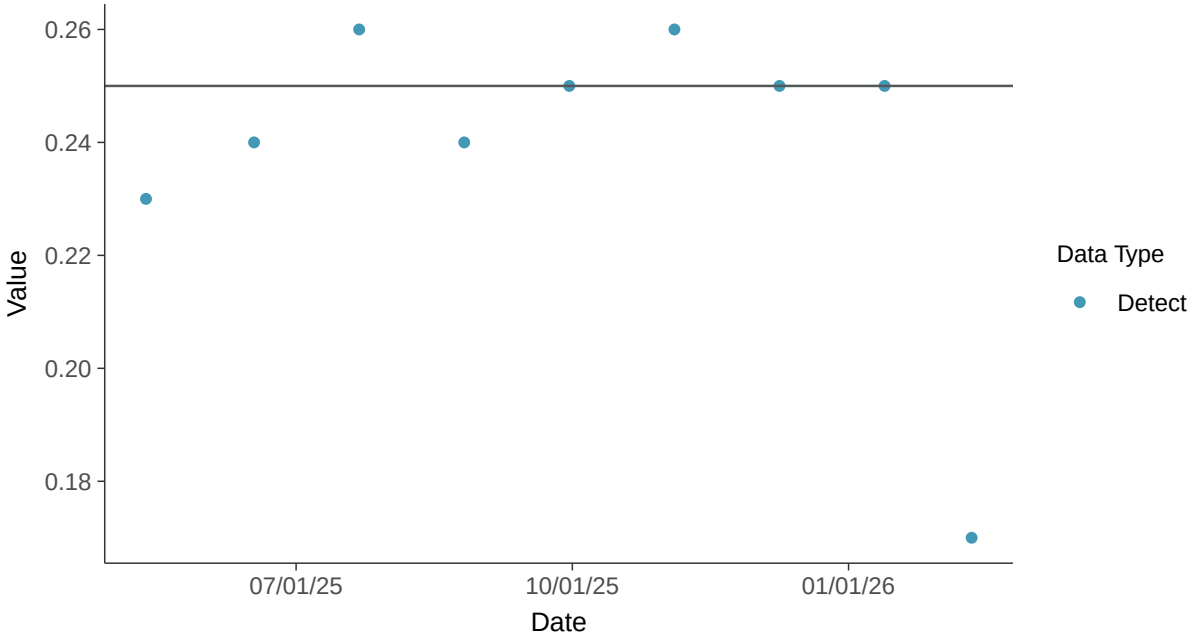
Normal Q-Q plot

Boron, MW-19A (mg/l)



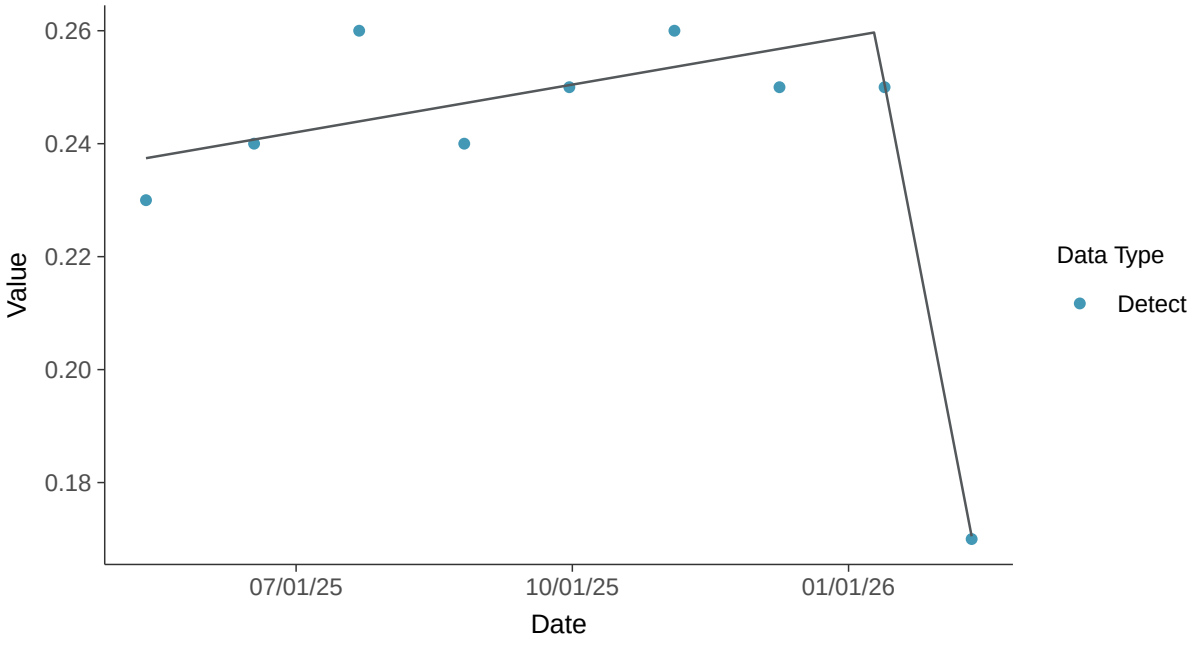
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Boron, MW-19A (mg/l)



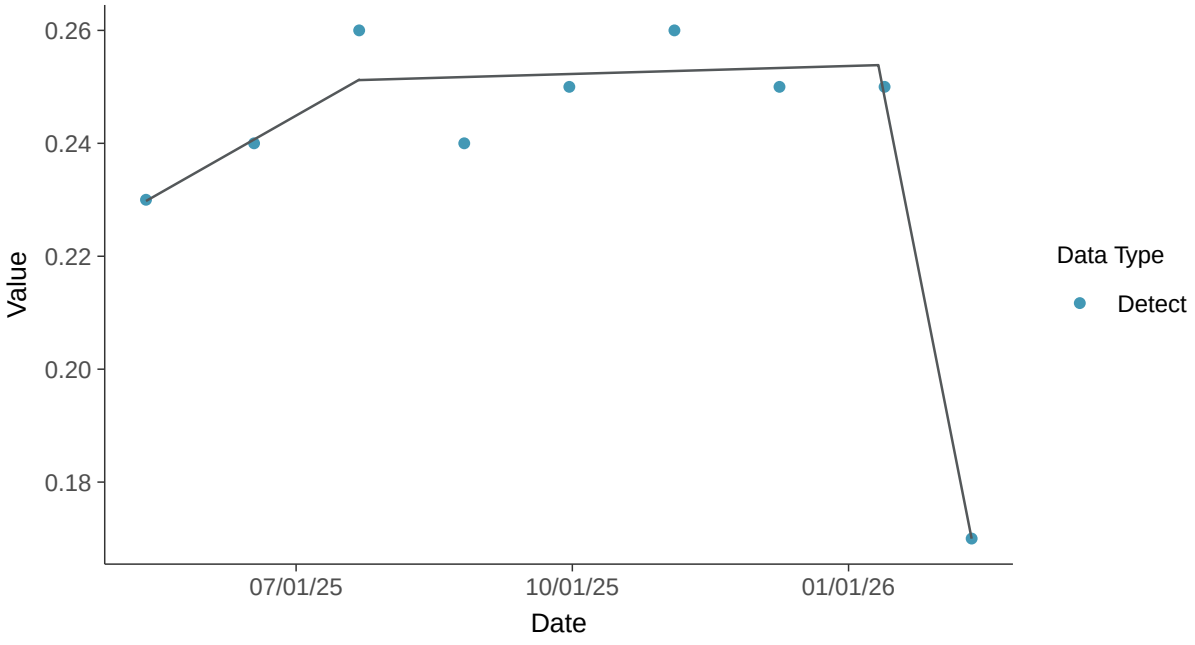
Trend Regression: Piecewise Linear-Linear

Boron, MW-19A (mg/l)



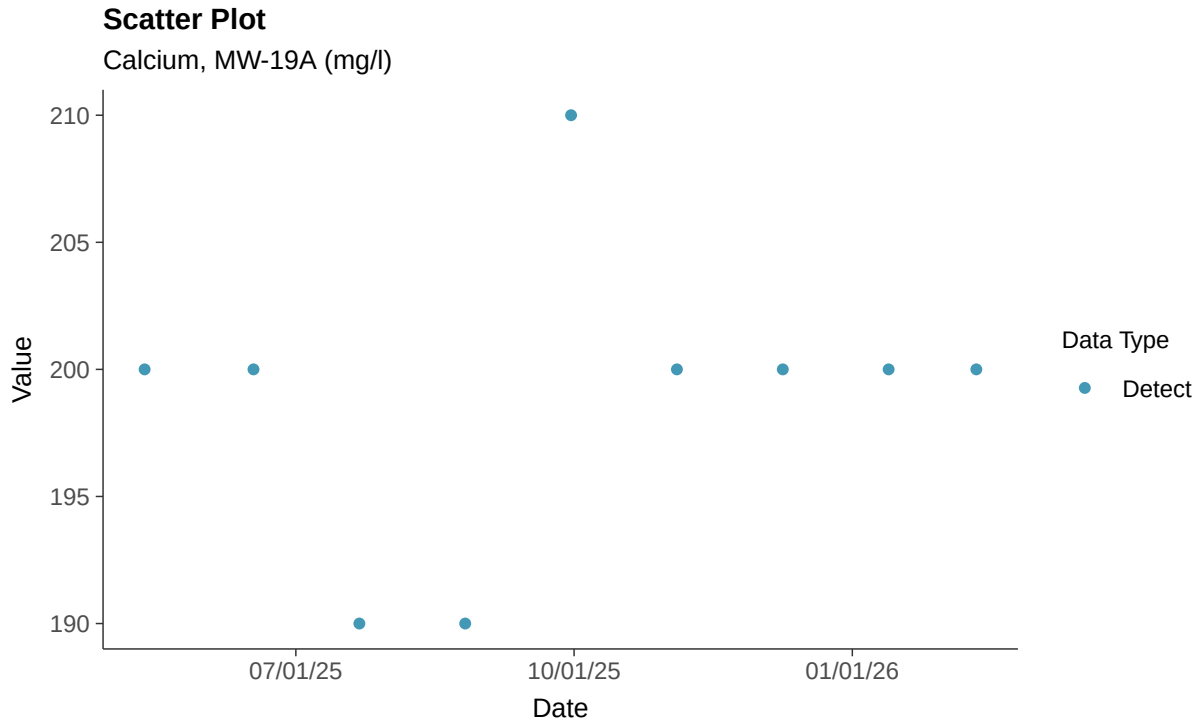
Trend Regression: Piecewise Linear-Linear-Linear

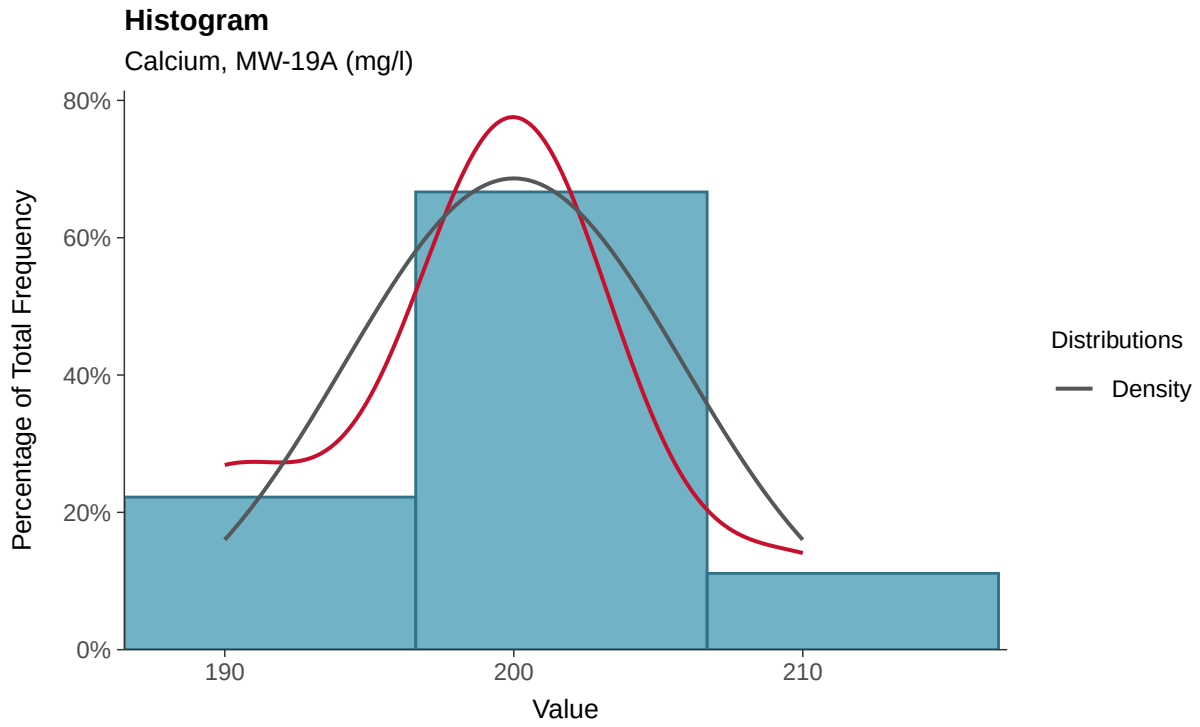
Boron, MW-19A (mg/l)



Appendix III: Calcium, MW-19A

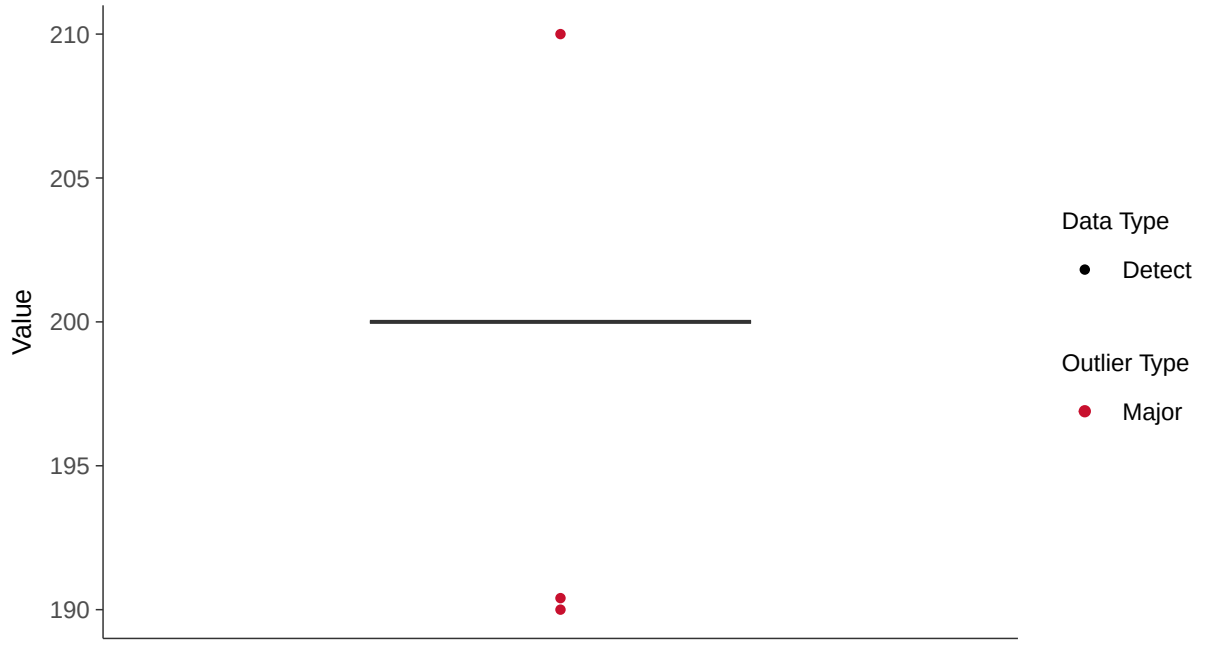
ID: 30_2_107





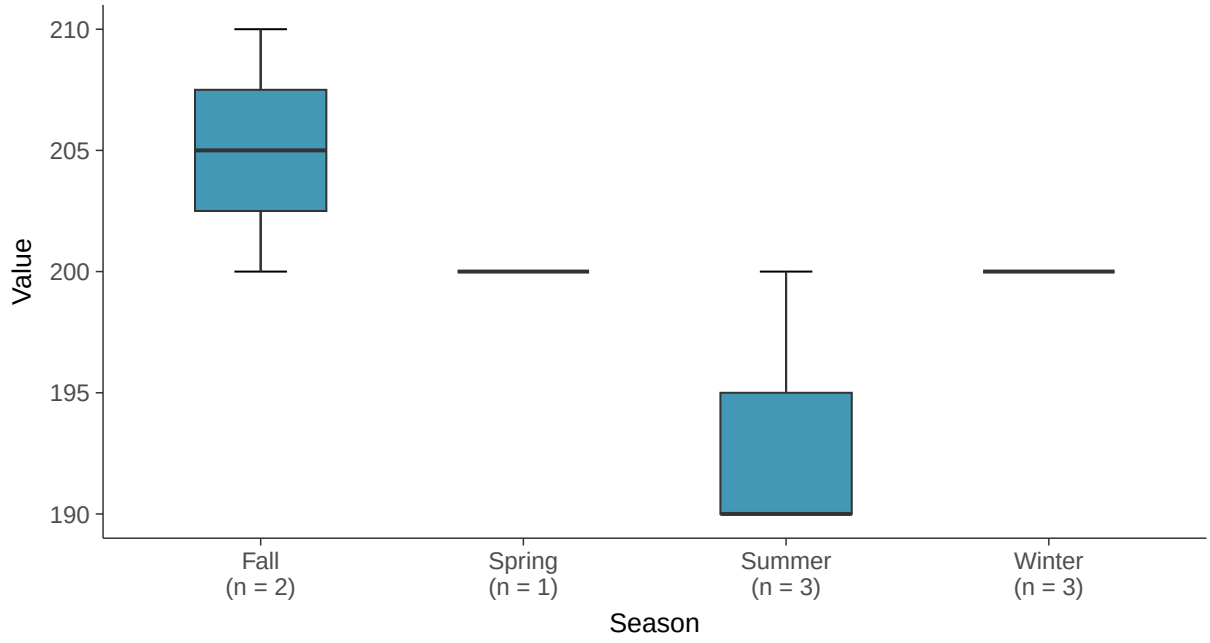
Boxplot

Calcium, MW-19A (mg/l)



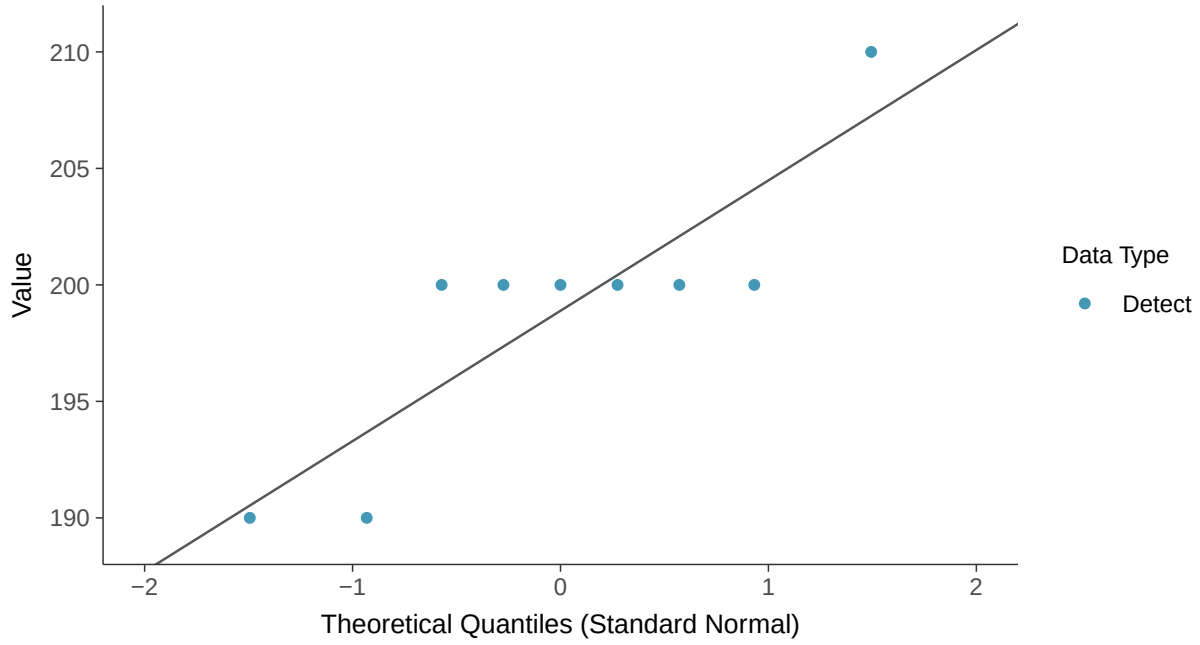
Boxplot by Season

Calcium, MW-19A (mg/l)



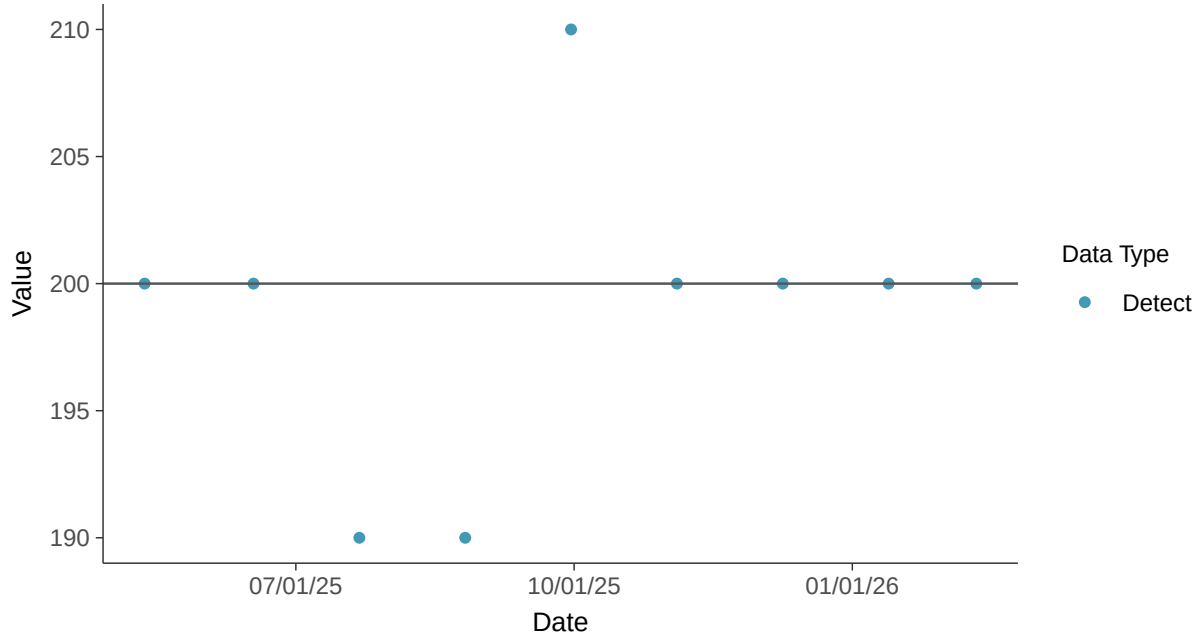
Normal Q-Q plot

Calcium, MW-19A (mg/l)



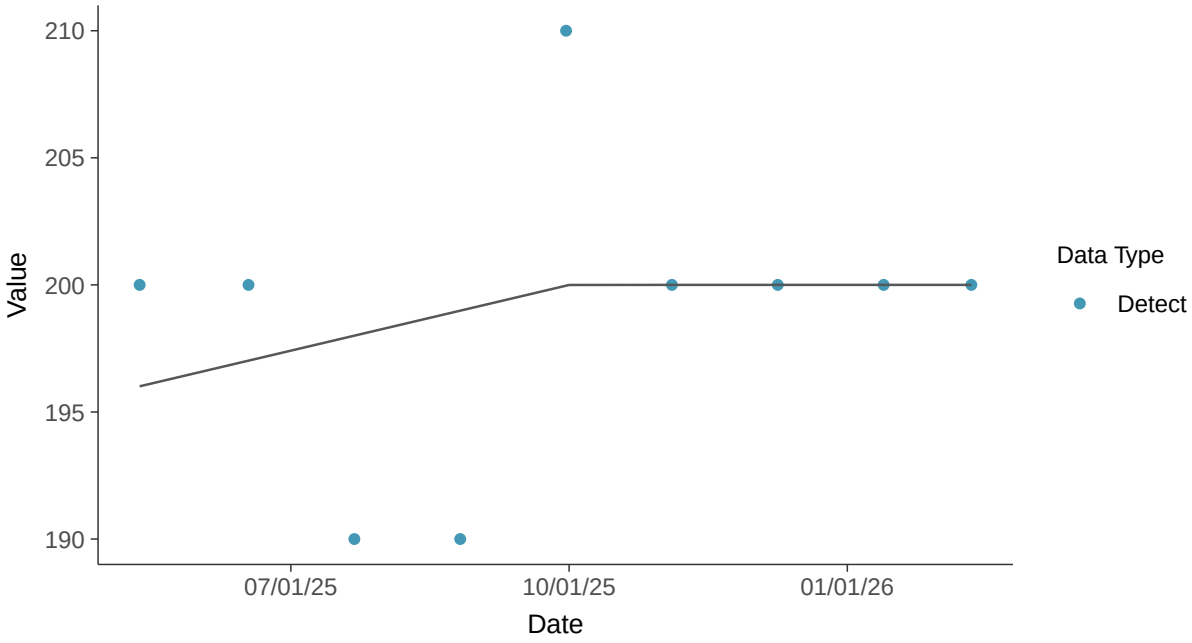
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Calcium, MW-19A (mg/l)



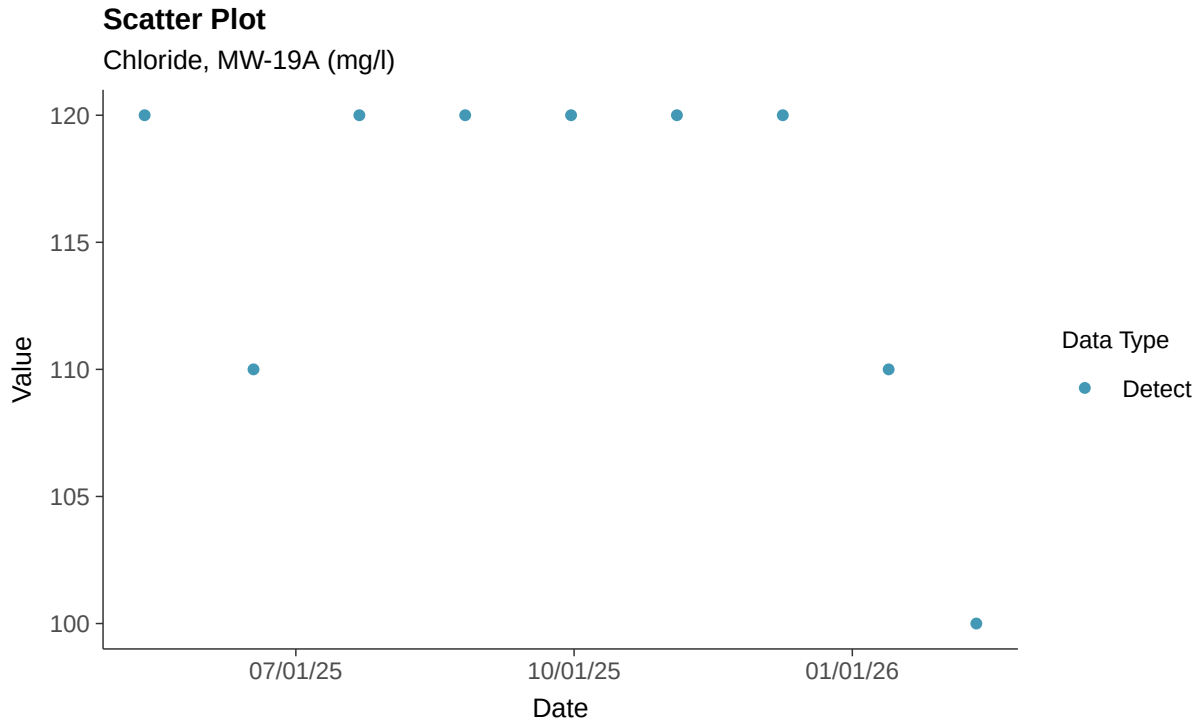
Trend Regression: Piecewise Linear-Linear

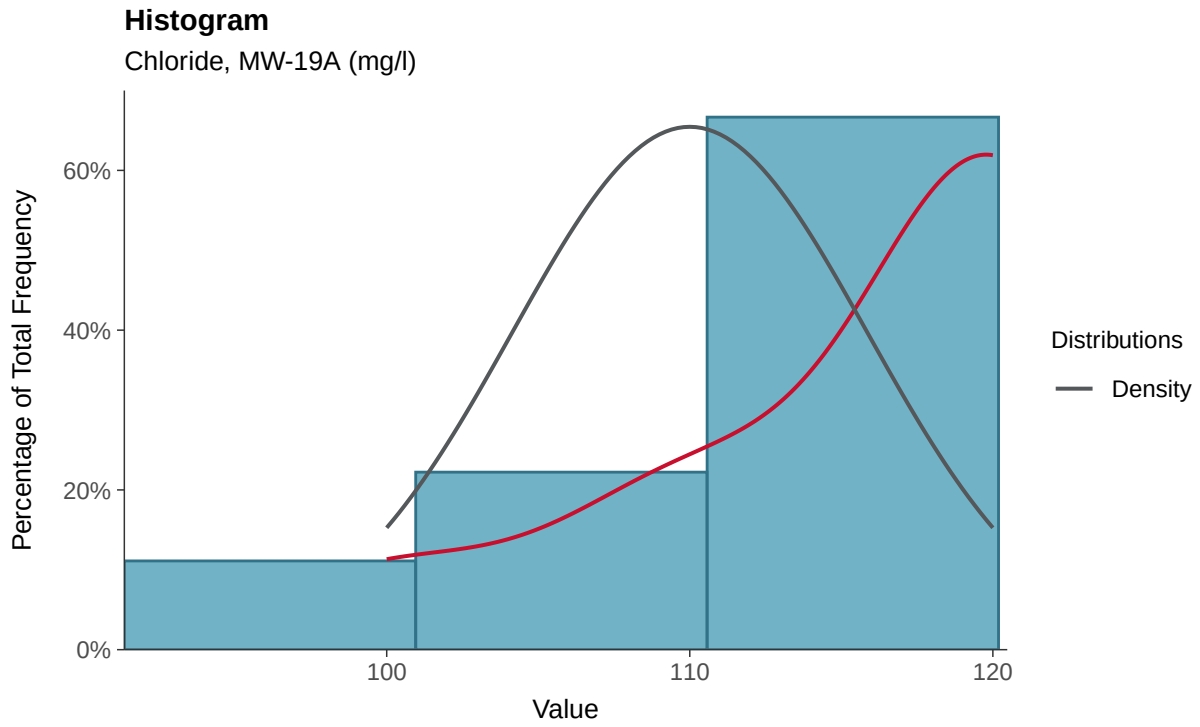
Calcium, MW-19A (mg/l)



Appendix III: Chloride, MW-19A

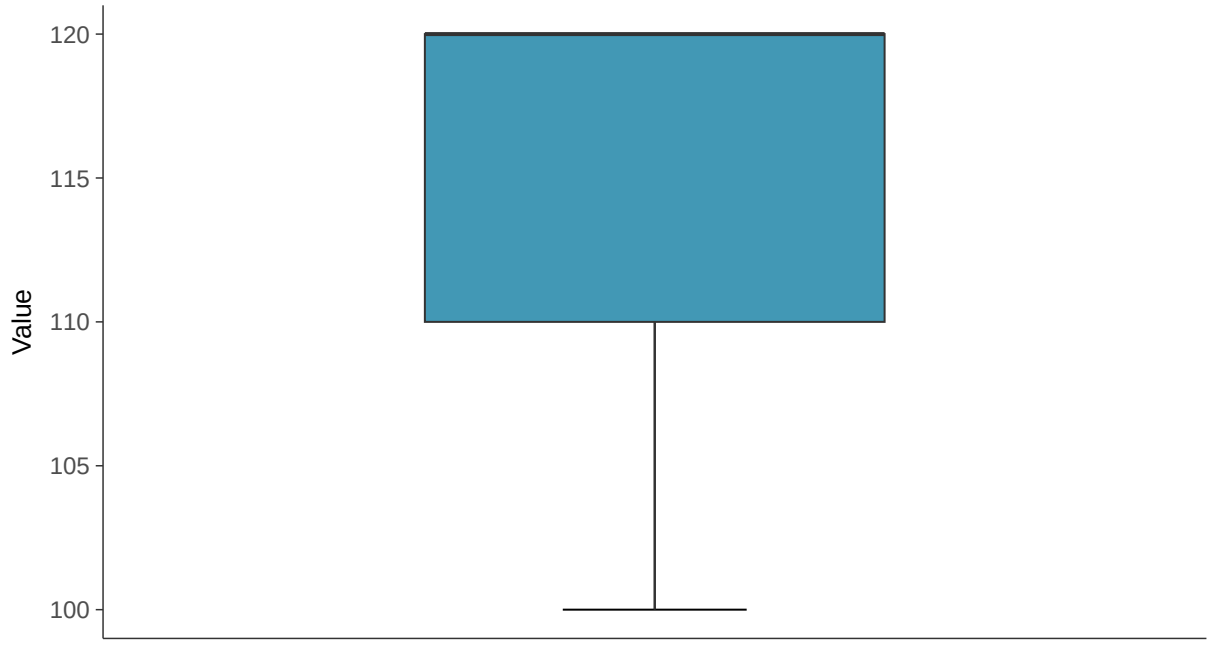
ID: 30_2_108





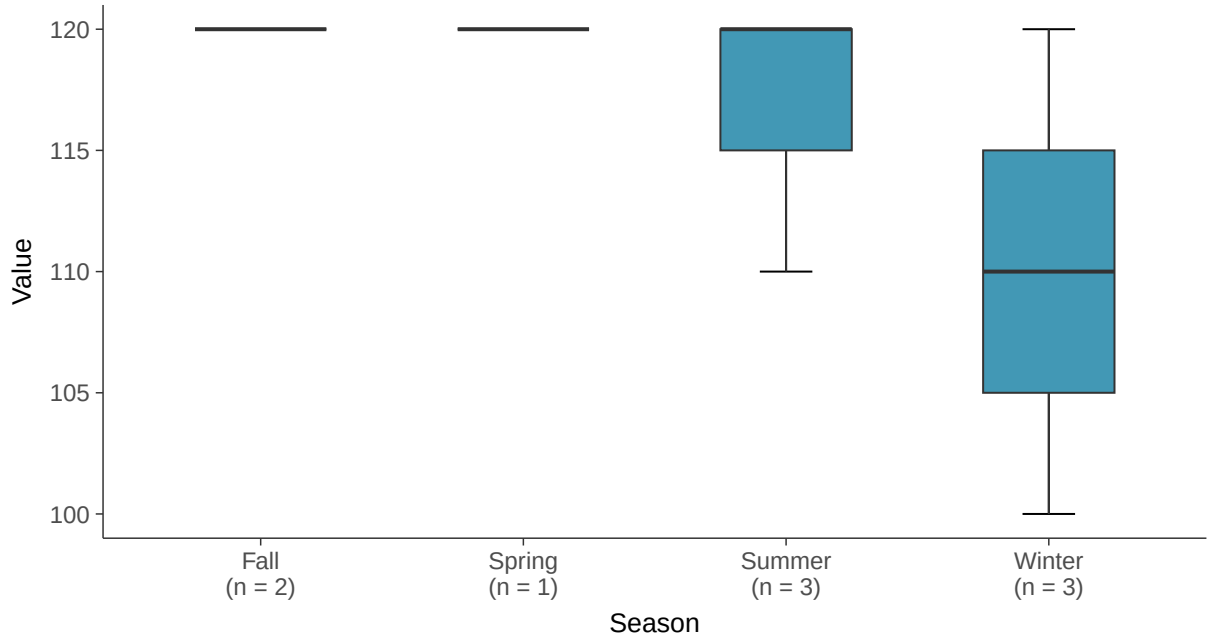
Boxplot

Chloride, MW-19A (mg/l)



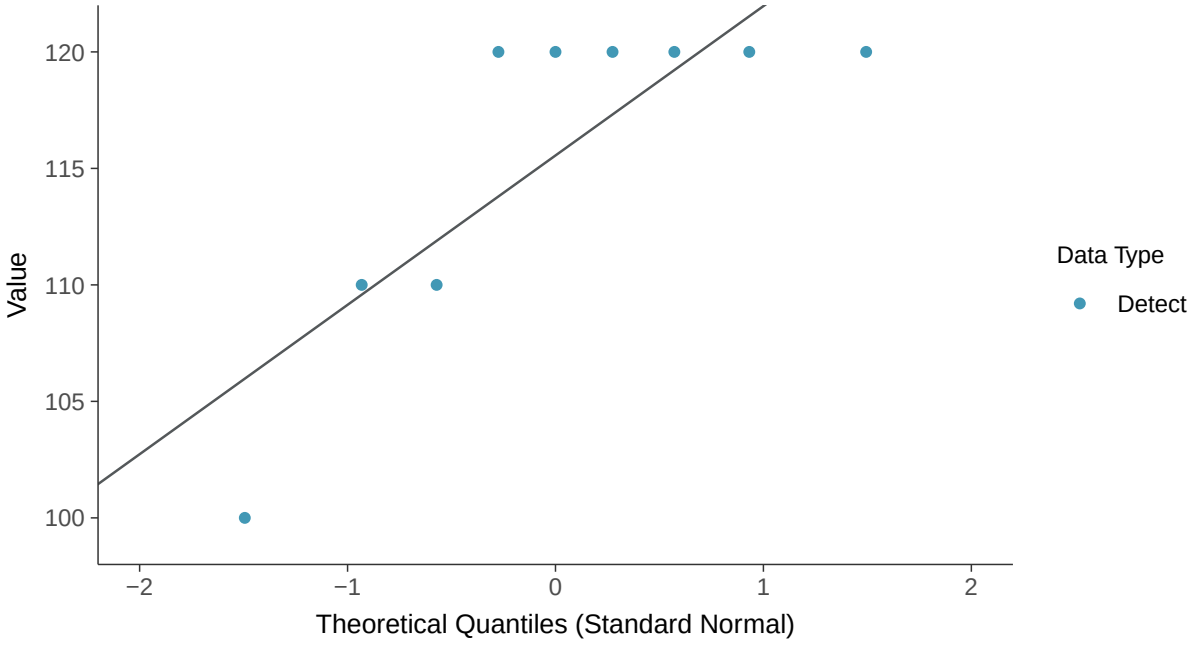
Boxplot by Season

Chloride, MW-19A (mg/l)



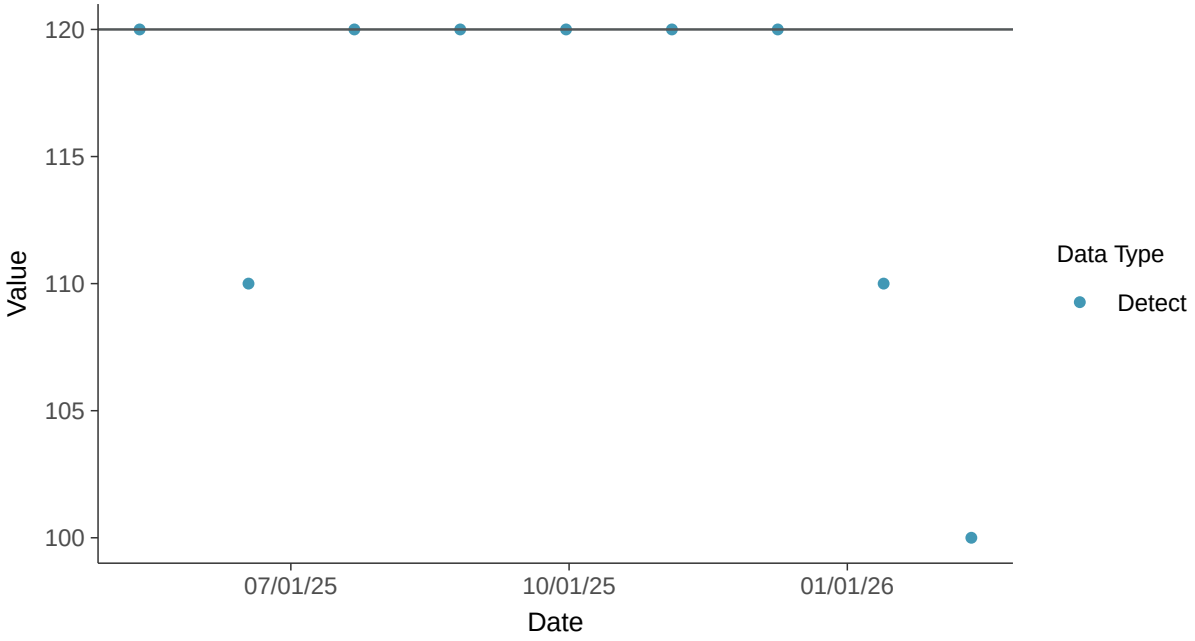
Normal Q-Q plot

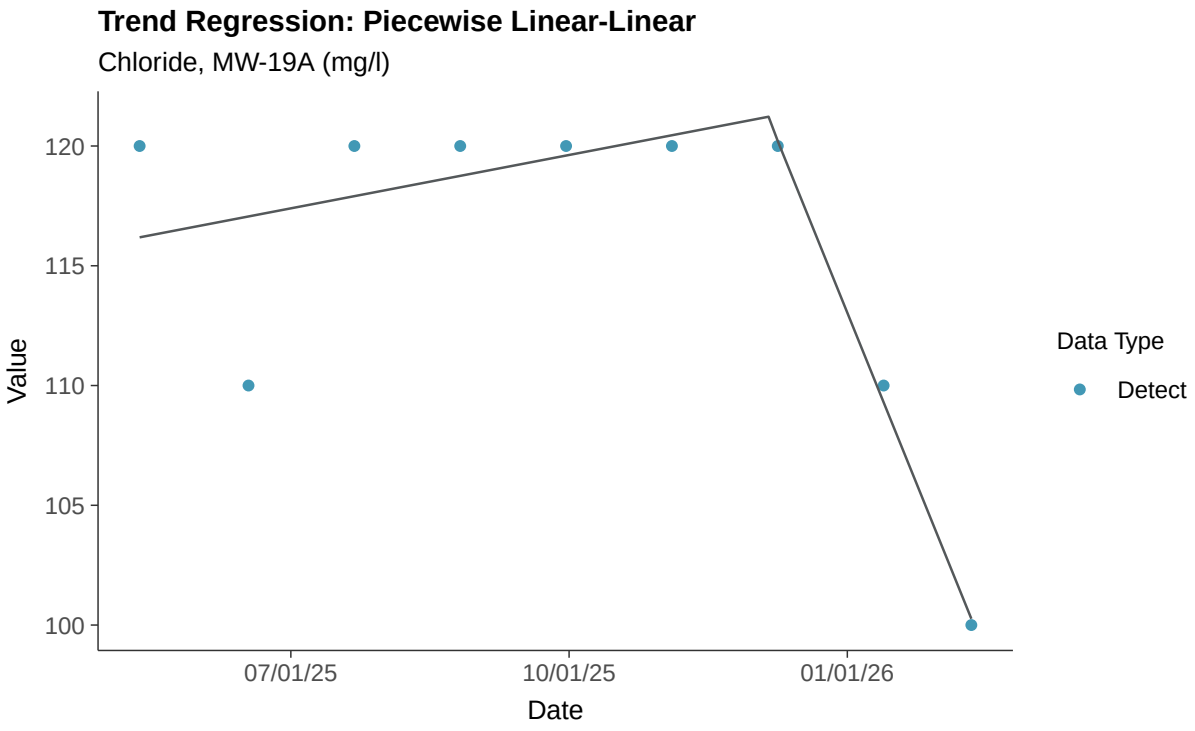
Chloride, MW-19A (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

Chloride, MW-19A (mg/l)



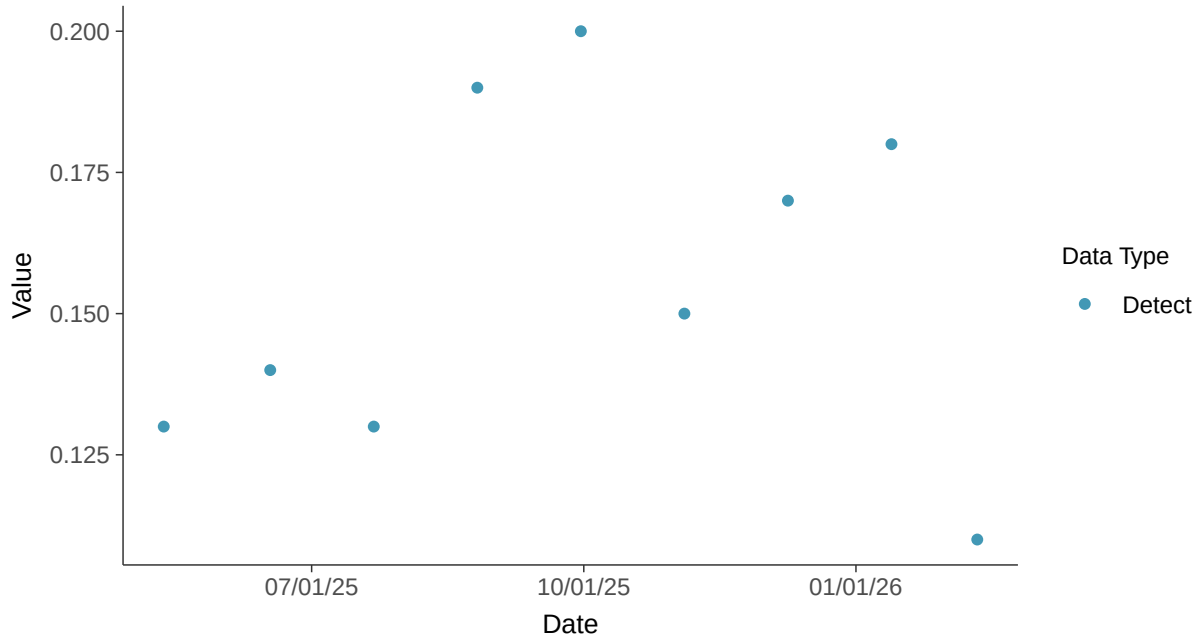

Trend Regression: Piecewise Linear-Linear
Chloride, MW-19A (mg/l)
120
115
110
105
100
Value
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Fluoride, MW-19A

ID: 30_2_112

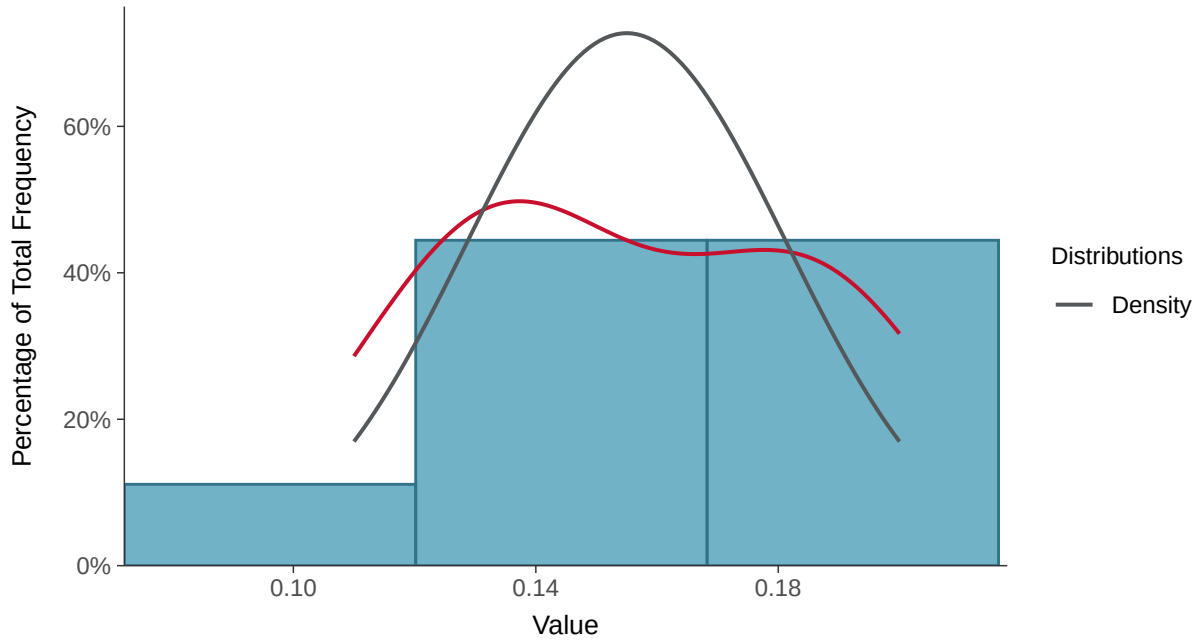
Scatter Plot

Fluoride, MW-19A (mg/l)



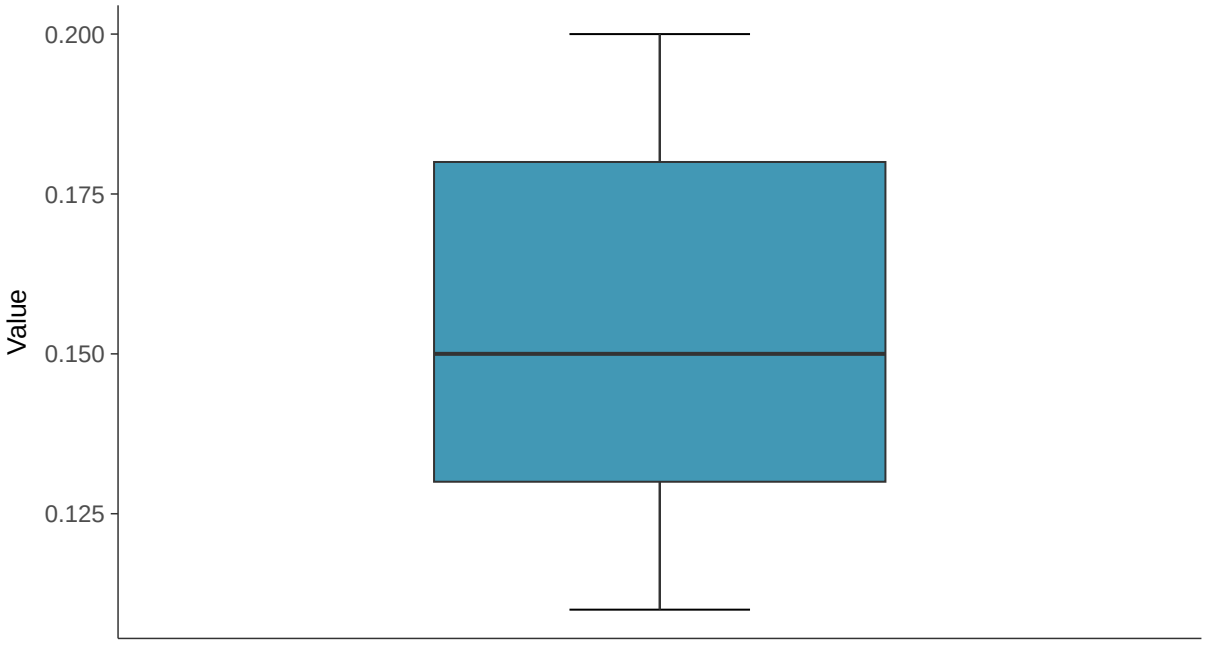
Histogram

Fluoride, MW-19A (mg/l)



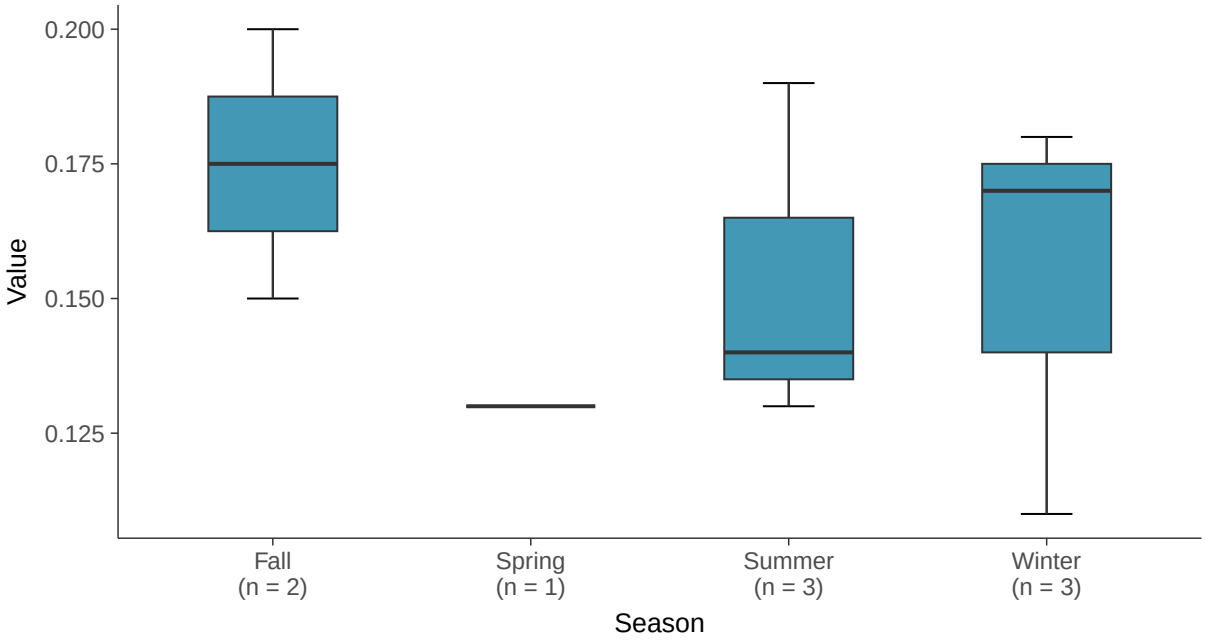
Boxplot

Fluoride, MW-19A (mg/l)



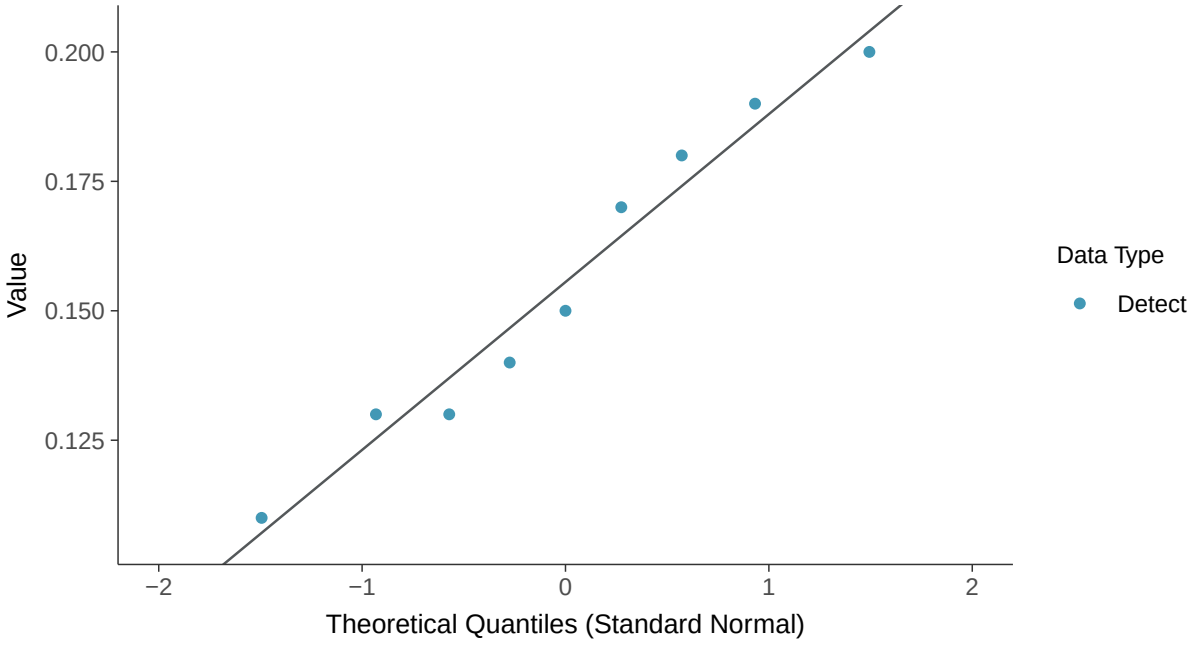
Boxplot by Season

Fluoride, MW-19A (mg/l)



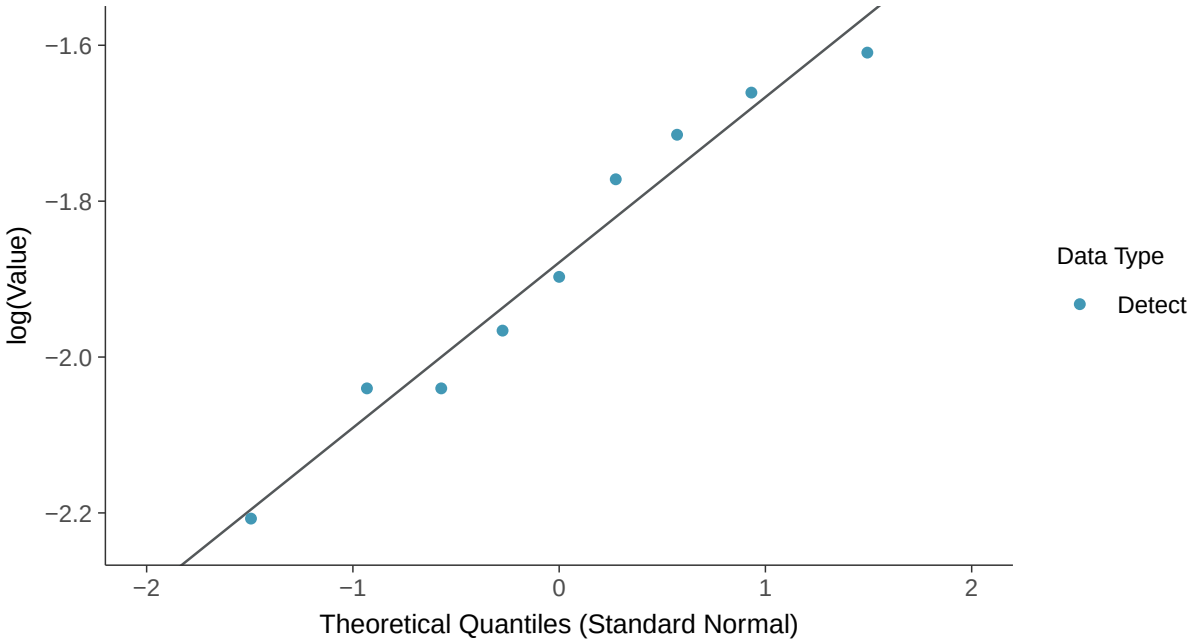
Normal Q-Q plot

Fluoride, MW-19A (mg/l)



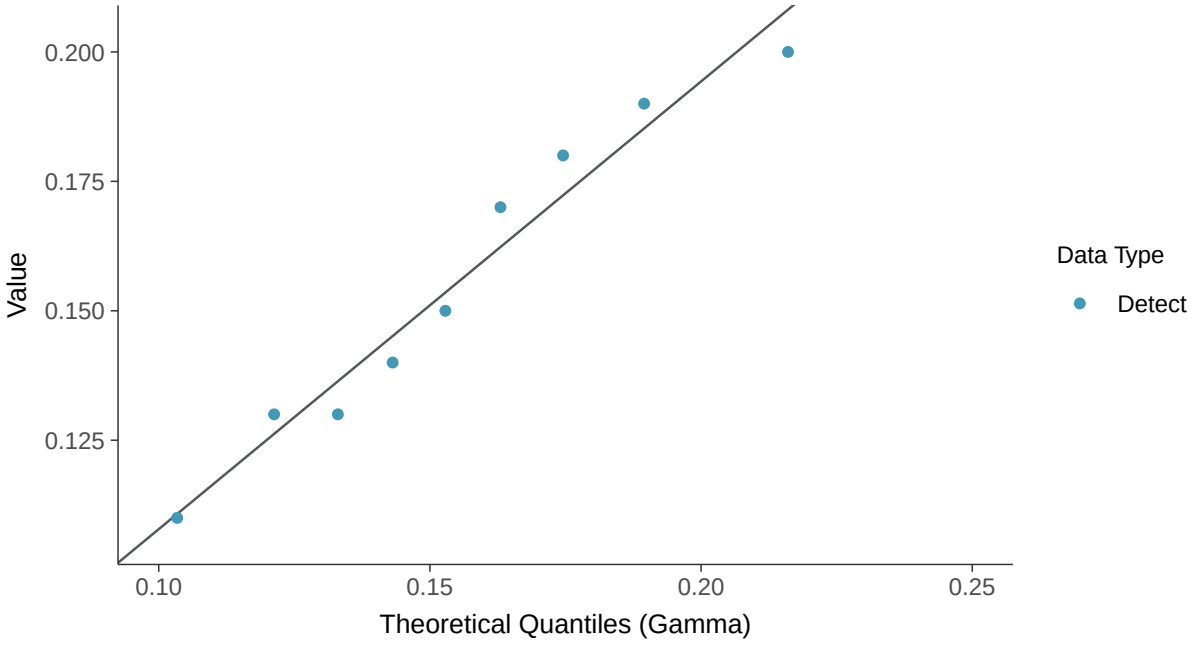
Lognormal Q-Q plot

Fluoride, MW-19A (mg/l)



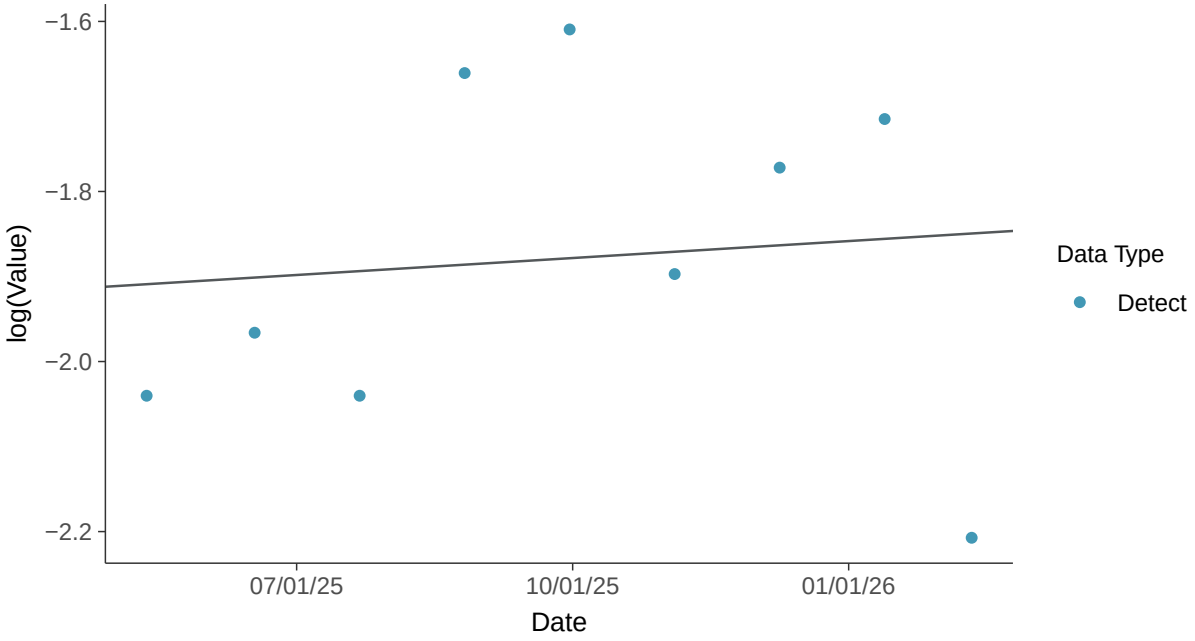
Gamma Q-Q plot

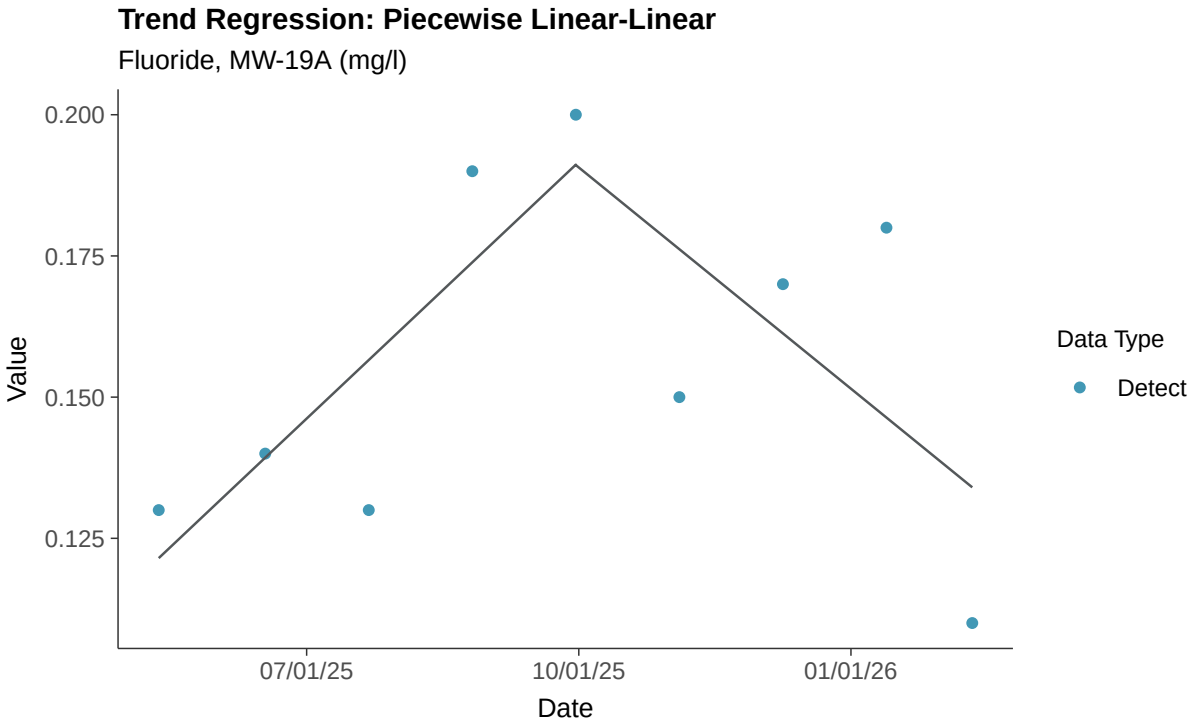
Fluoride, MW-19A (mg/l)



Trend Regression: Lognormal MLE

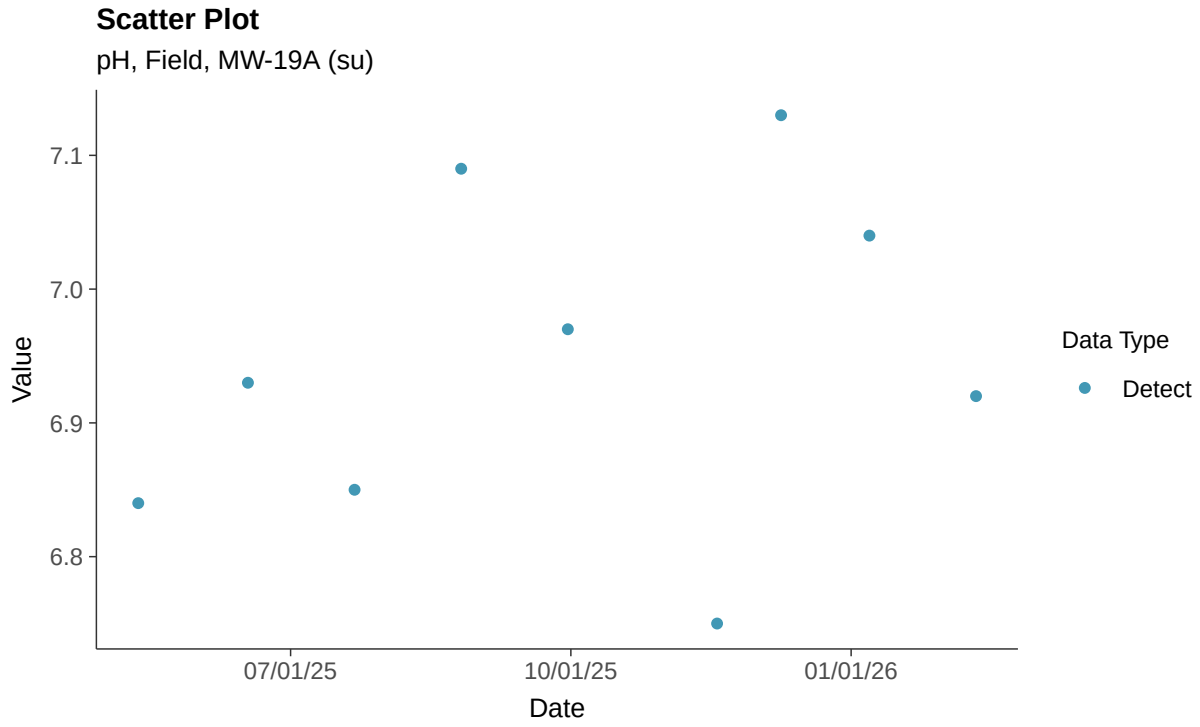
Fluoride, MW-19A (mg/l)

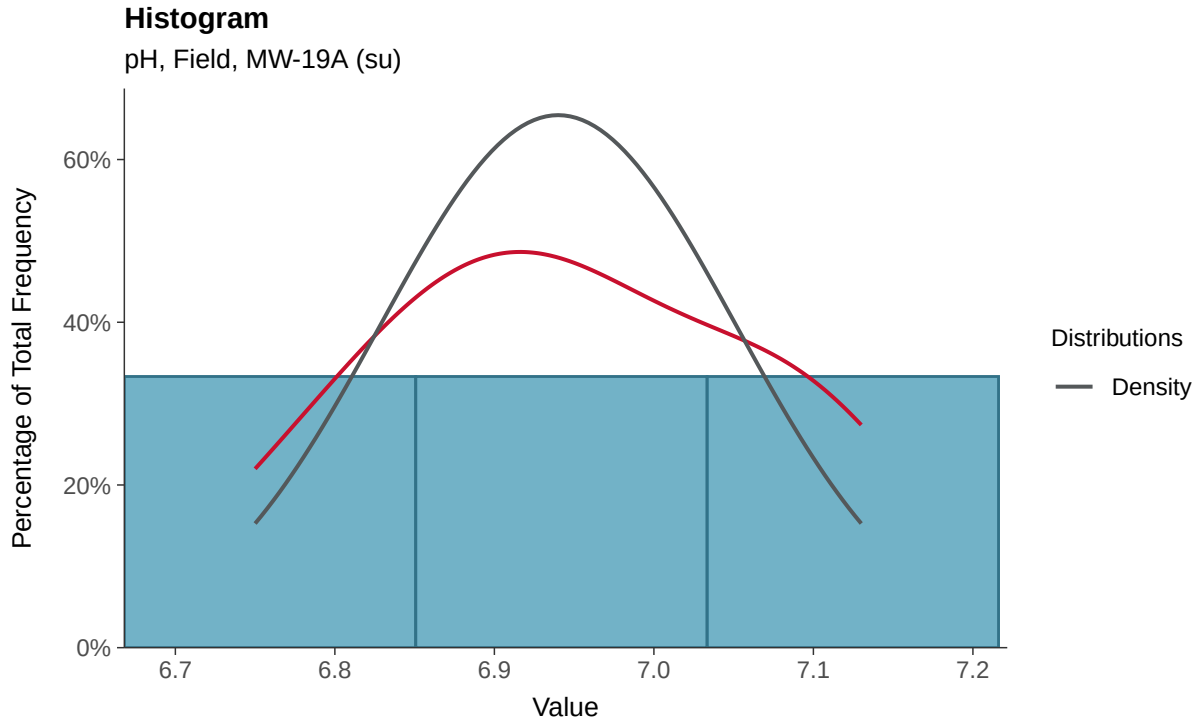



Trend Regression: Piecewise Linear-Linear
Fluoride, MW-19A (mg/l)
0.200
0.175
0.150
0.125
Value
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: pH, Field, MW-19A

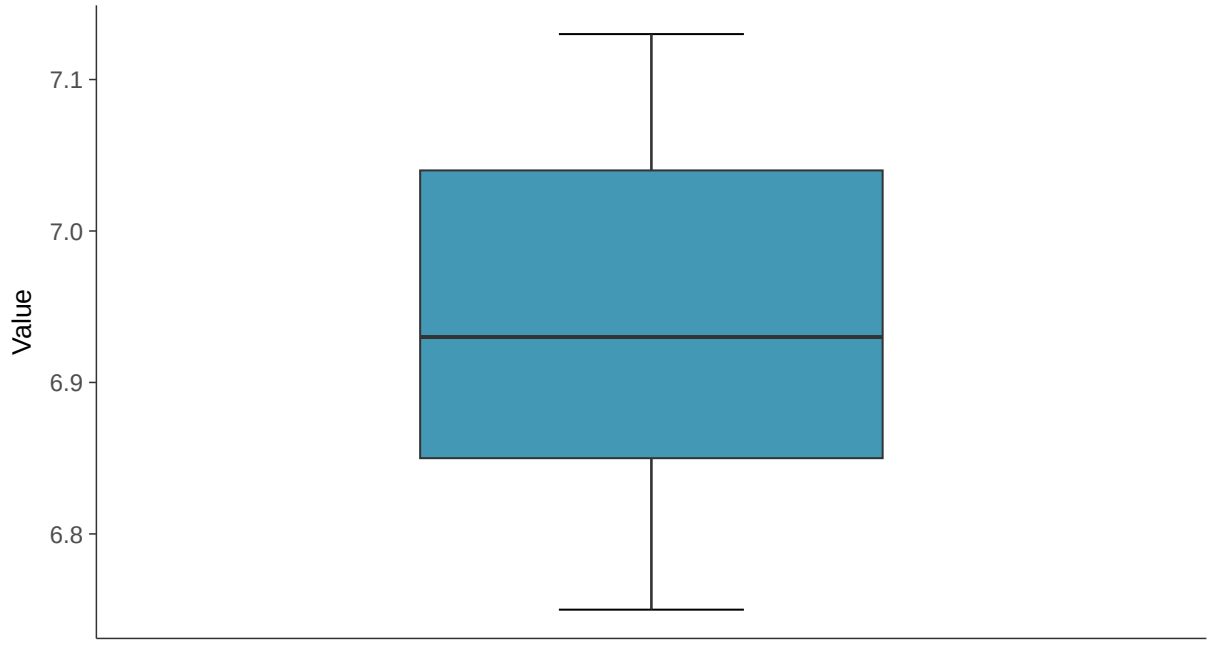
ID: 30_2_120





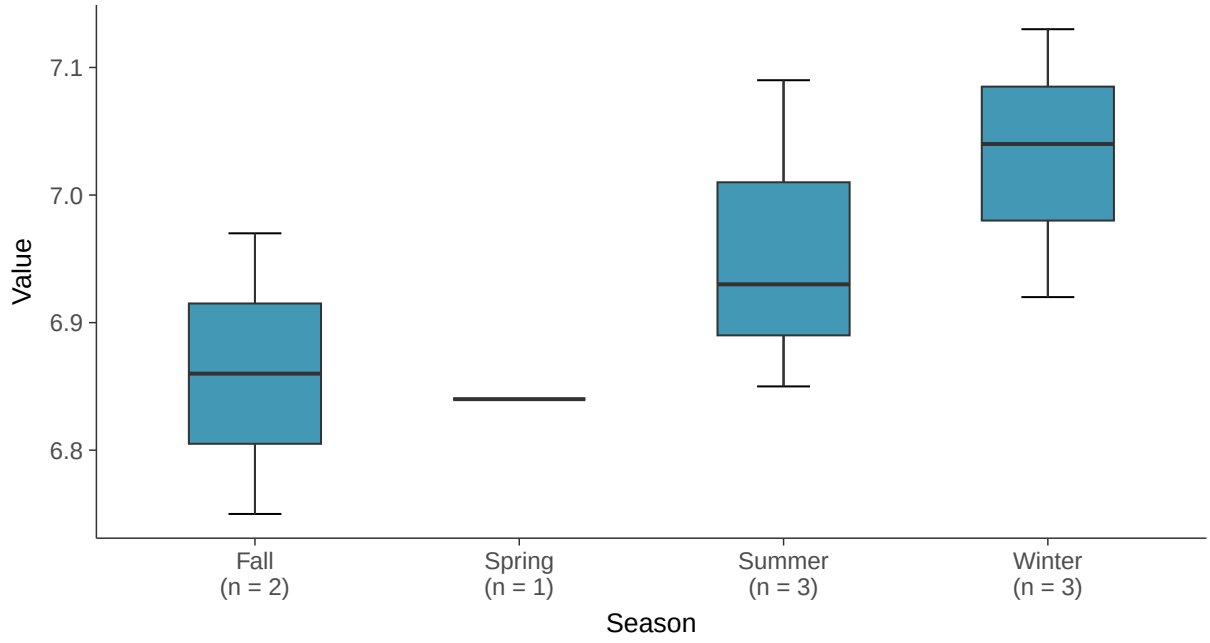
Boxplot

pH, Field, MW-19A (su)



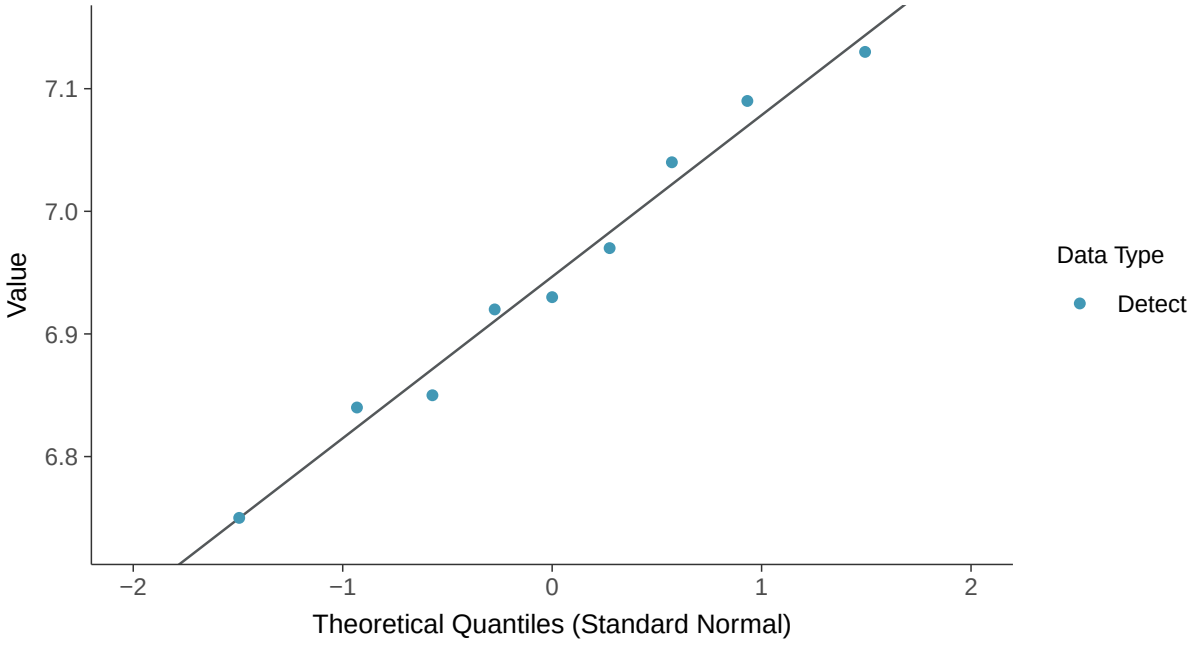
Boxplot by Season

pH, Field, MW-19A (su)



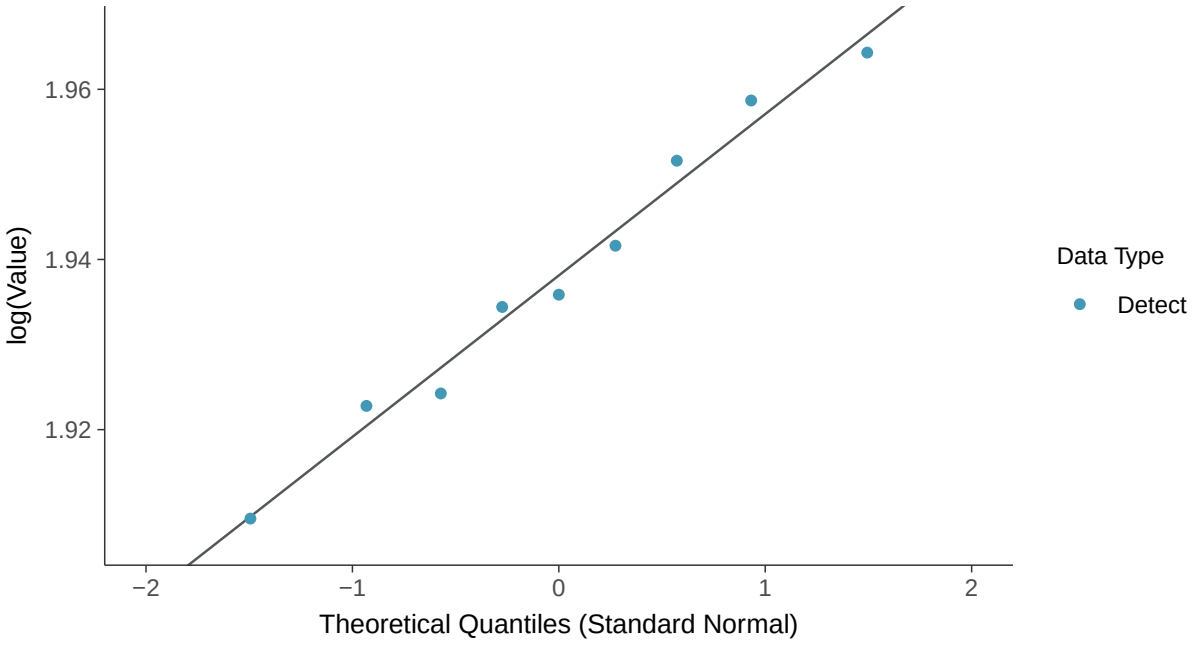
Normal Q-Q plot

pH, Field, MW-19A (su)



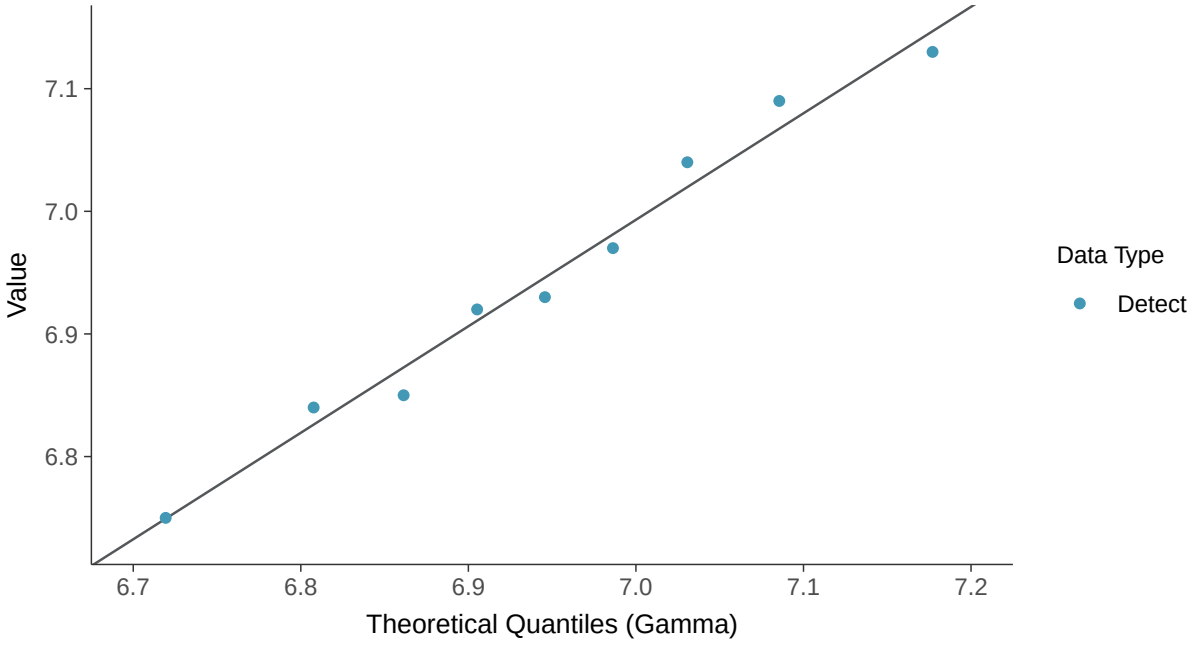
Lognormal Q-Q plot

pH, Field, MW-19A (su)



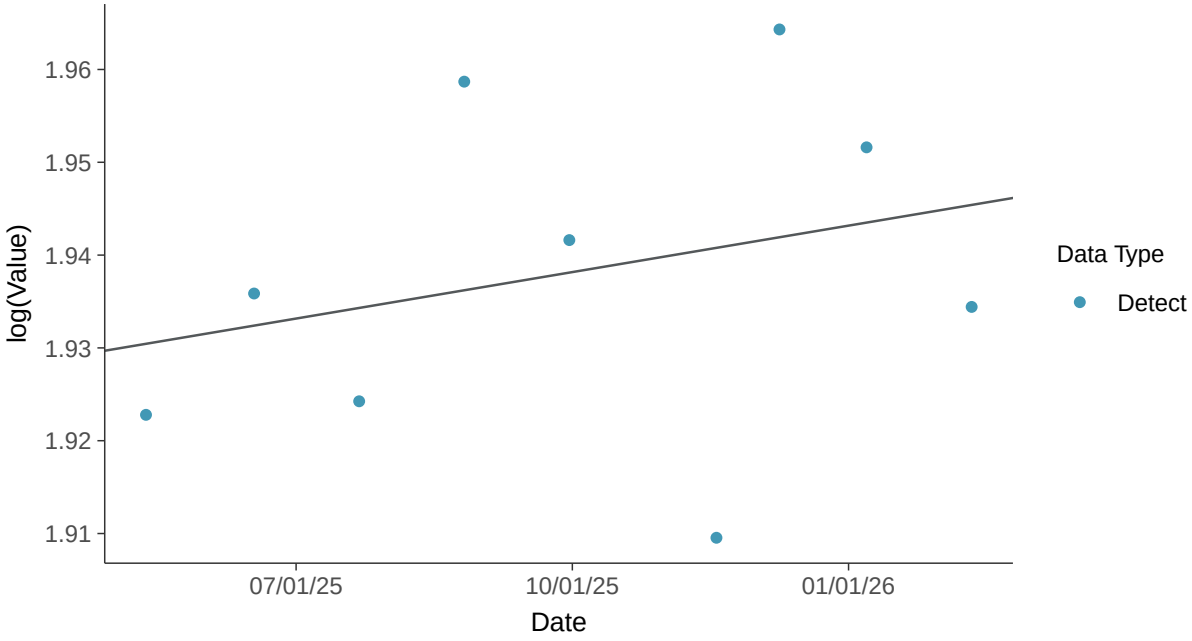
Gamma Q-Q plot

pH, Field, MW-19A (su)



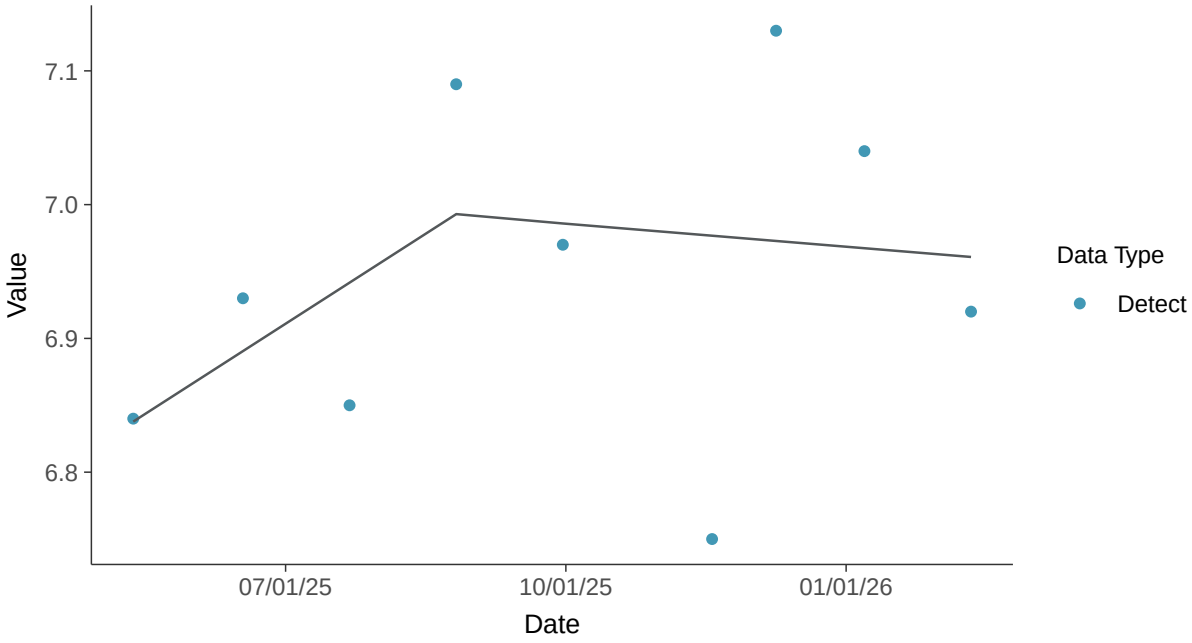
Trend Regression: Lognormal MLE

pH, Field, MW-19A (su)



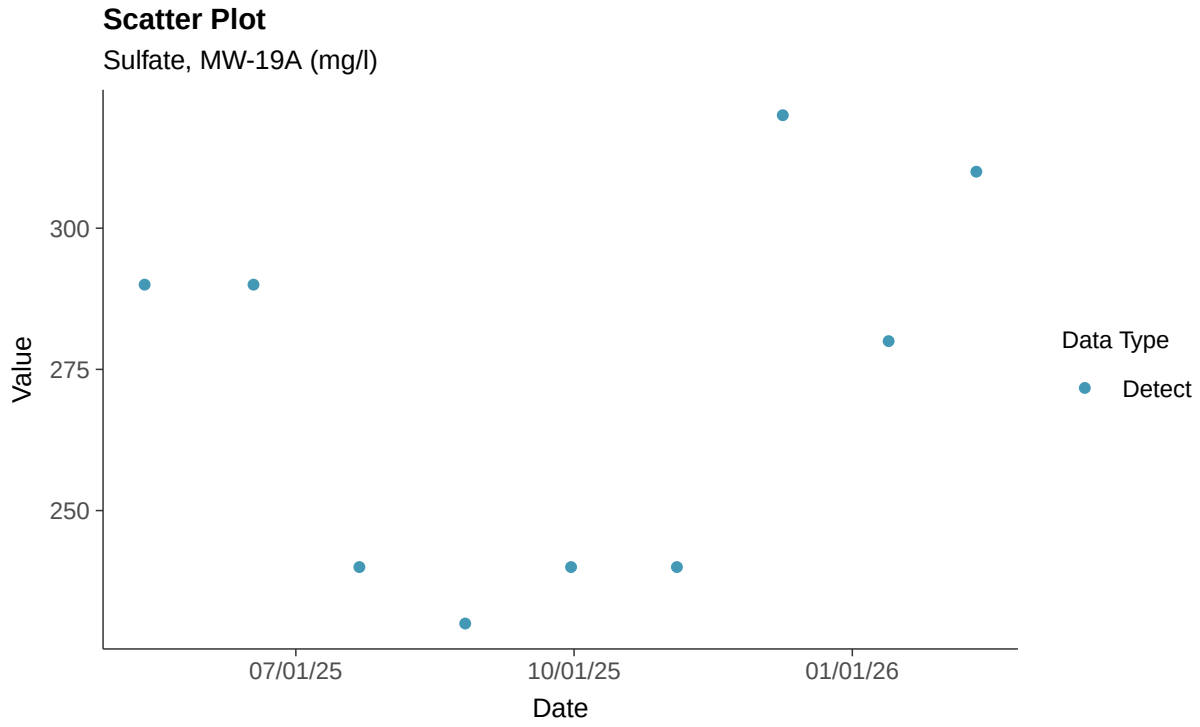
Trend Regression: Piecewise Linear-Linear

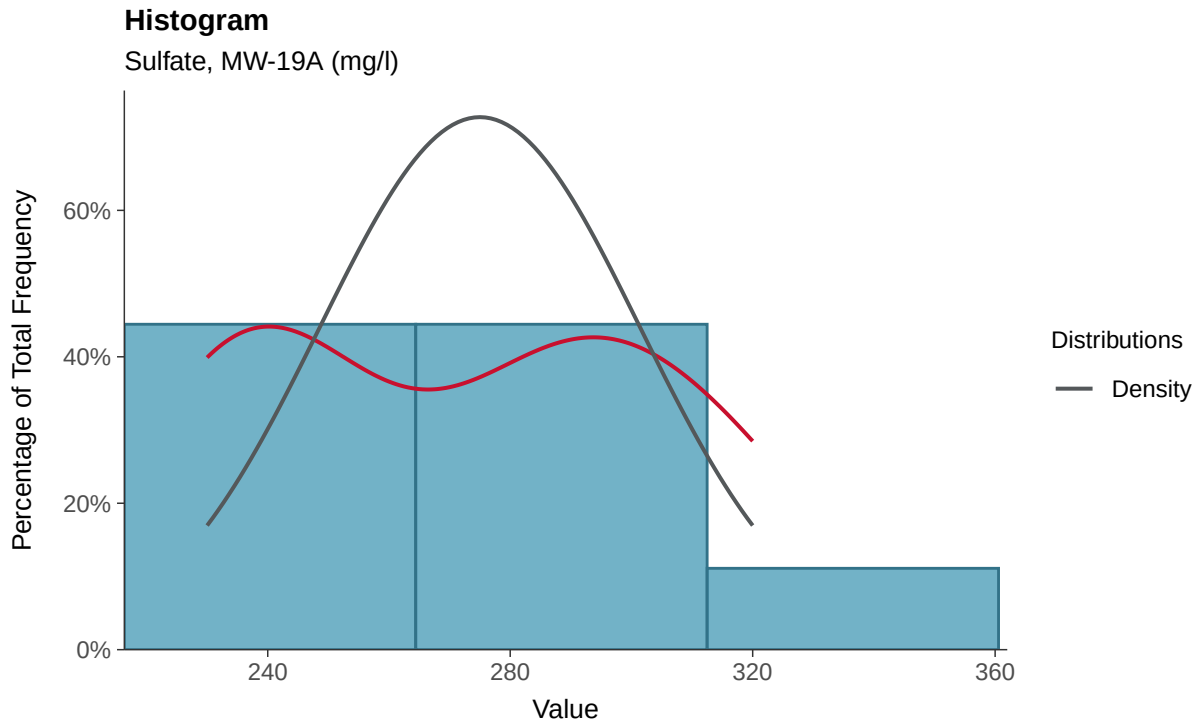
pH, Field, MW-19A (su)



Appendix III: Sulfate, MW-19A

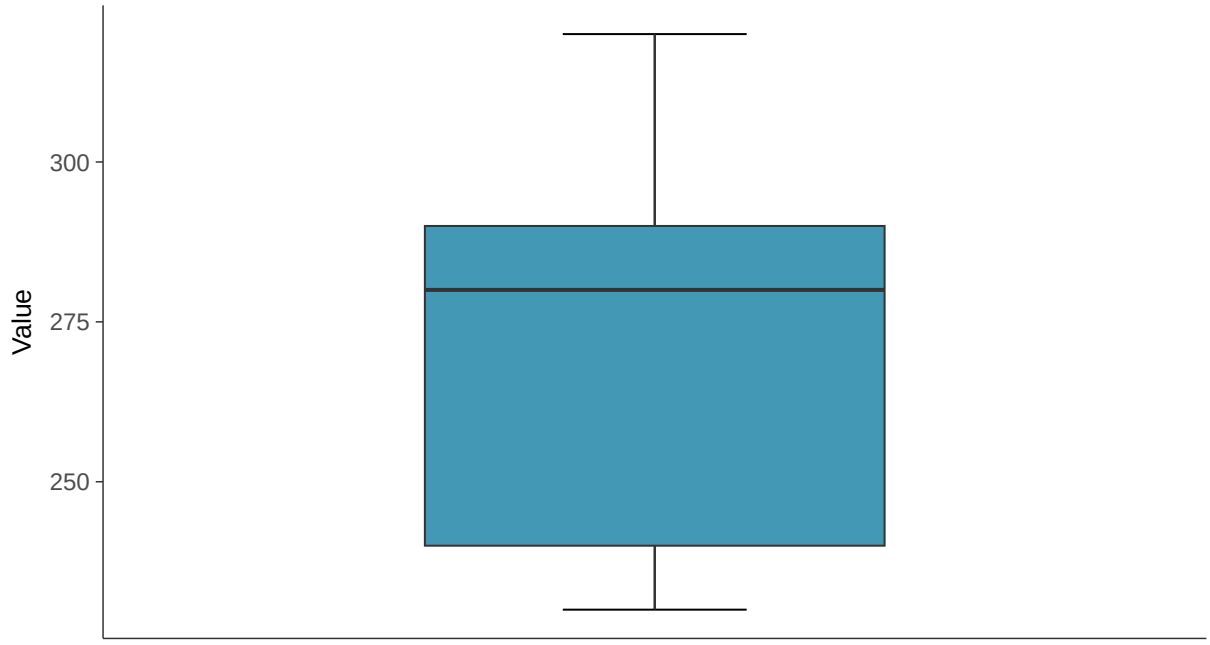
ID: 30_2_124





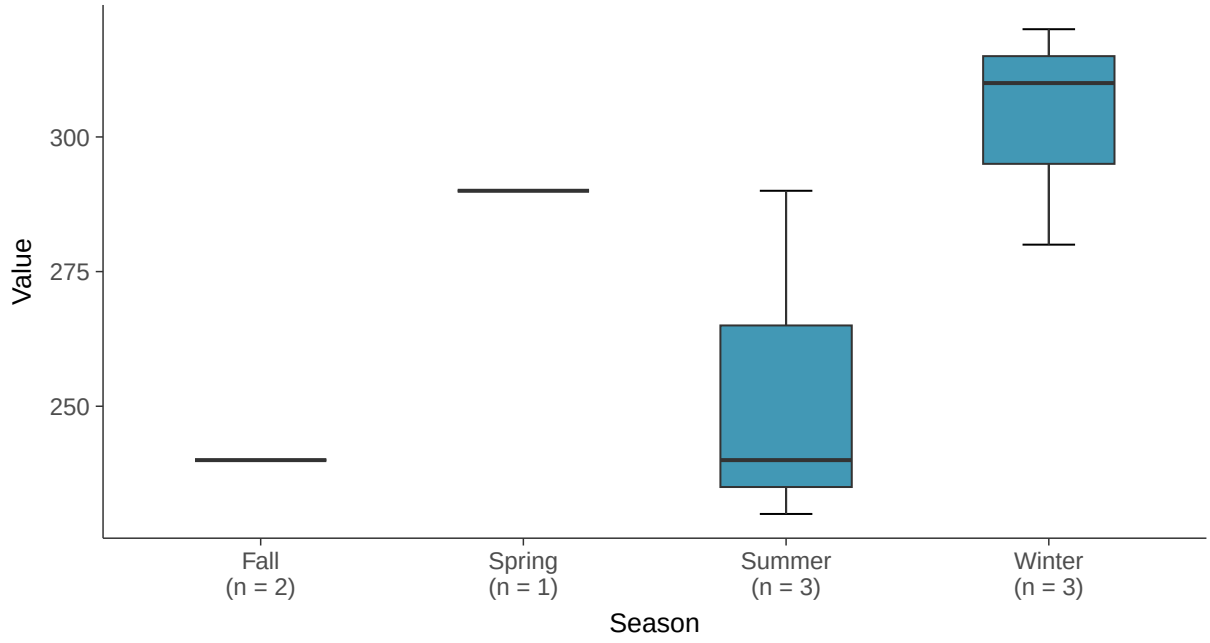
Boxplot

Sulfate, MW-19A (mg/l)



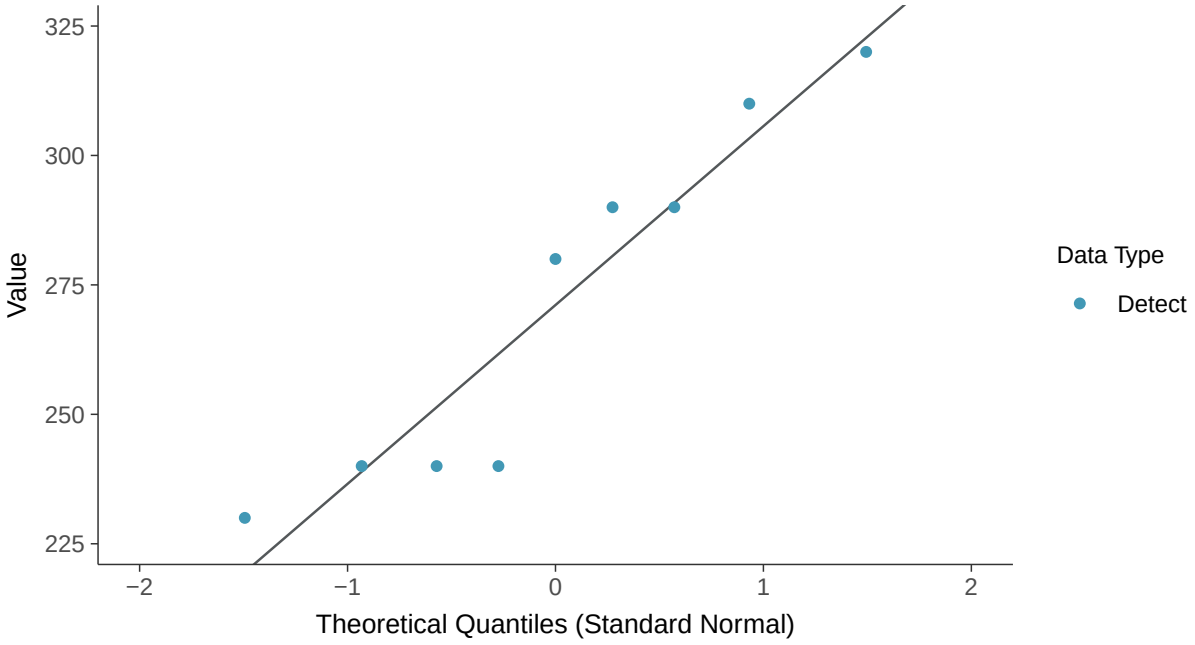
Boxplot by Season

Sulfate, MW-19A (mg/l)



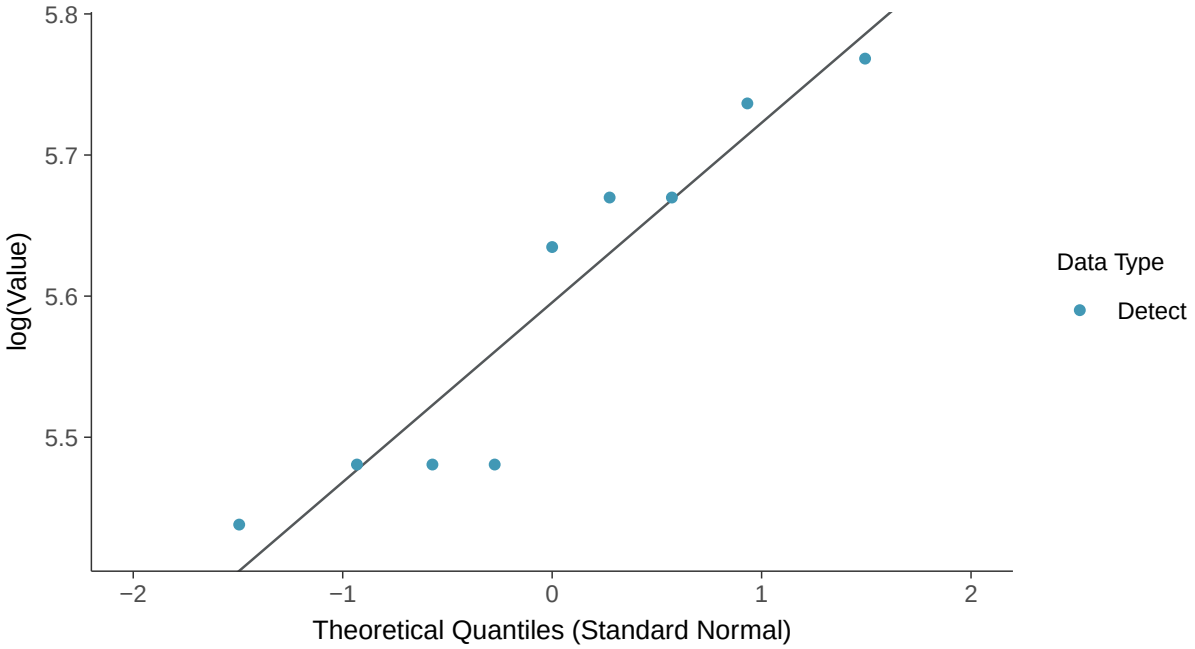
Normal Q-Q plot

Sulfate, MW-19A (mg/l)



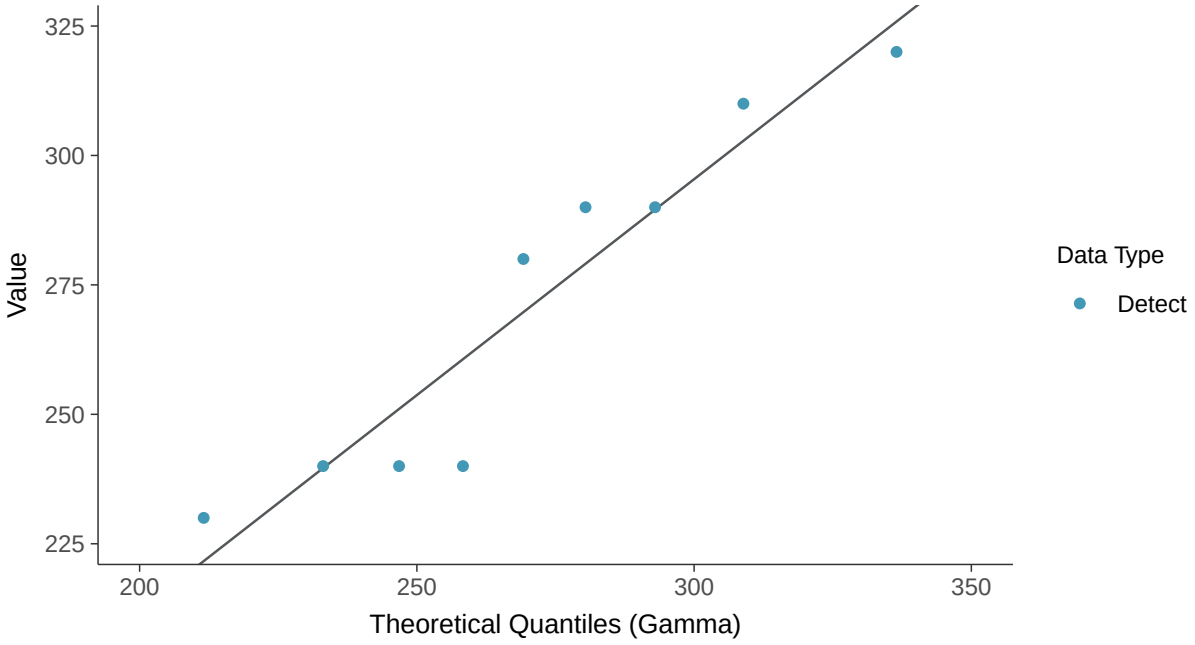
Lognormal Q-Q plot

Sulfate, MW-19A (mg/l)



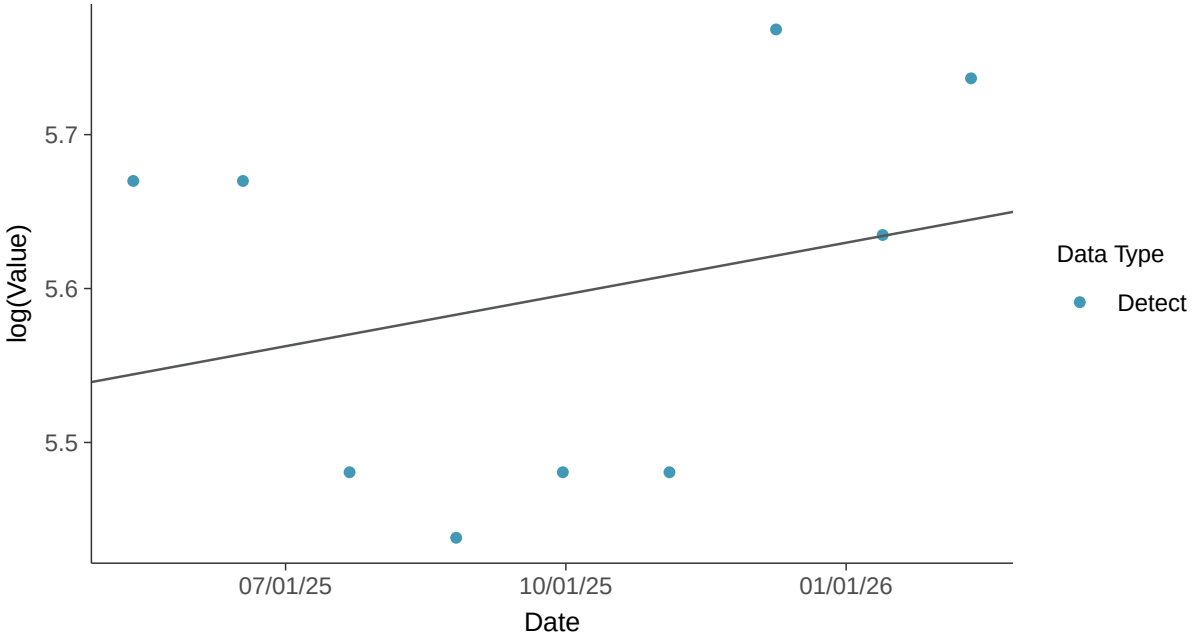
Gamma Q-Q plot

Sulfate, MW-19A (mg/l)



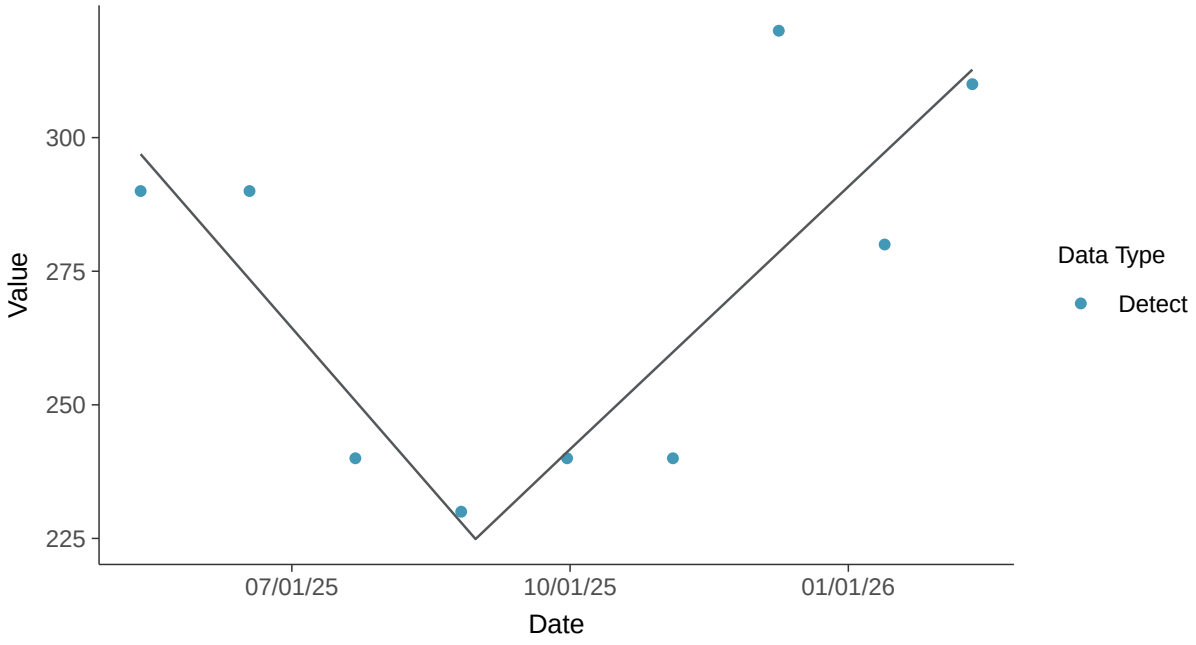
Trend Regression: Lognormal MLE

Sulfate, MW-19A (mg/l)



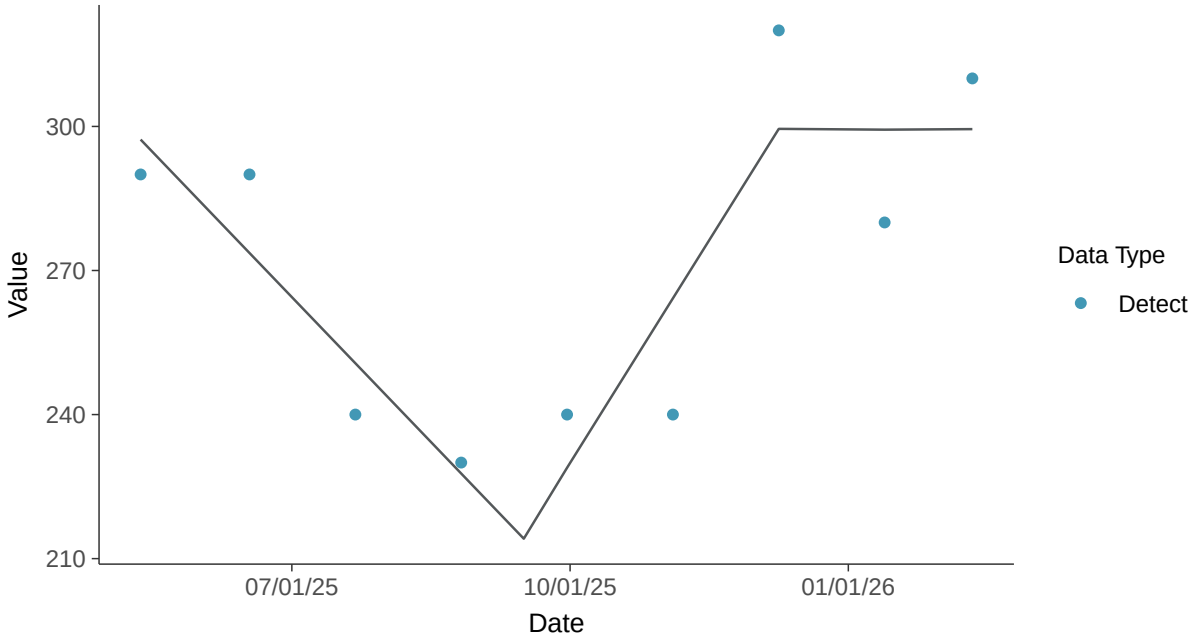
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-19A (mg/l)



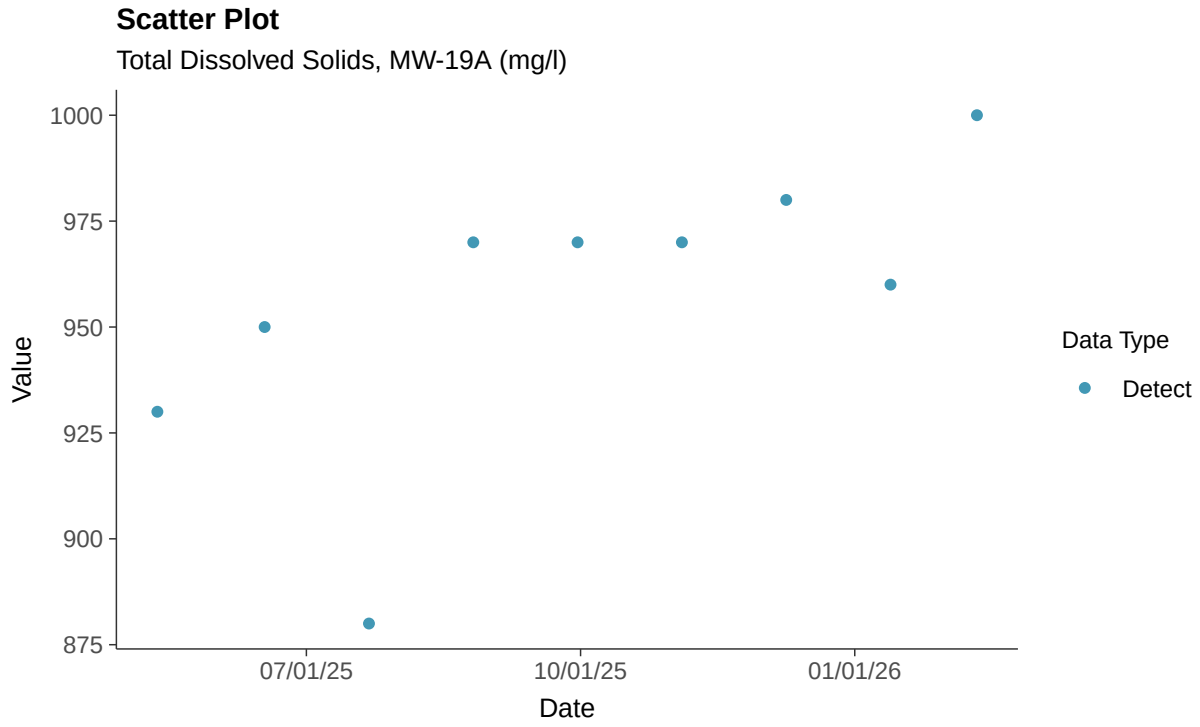
Trend Regression: Piecewise Linear-Linear-Linear

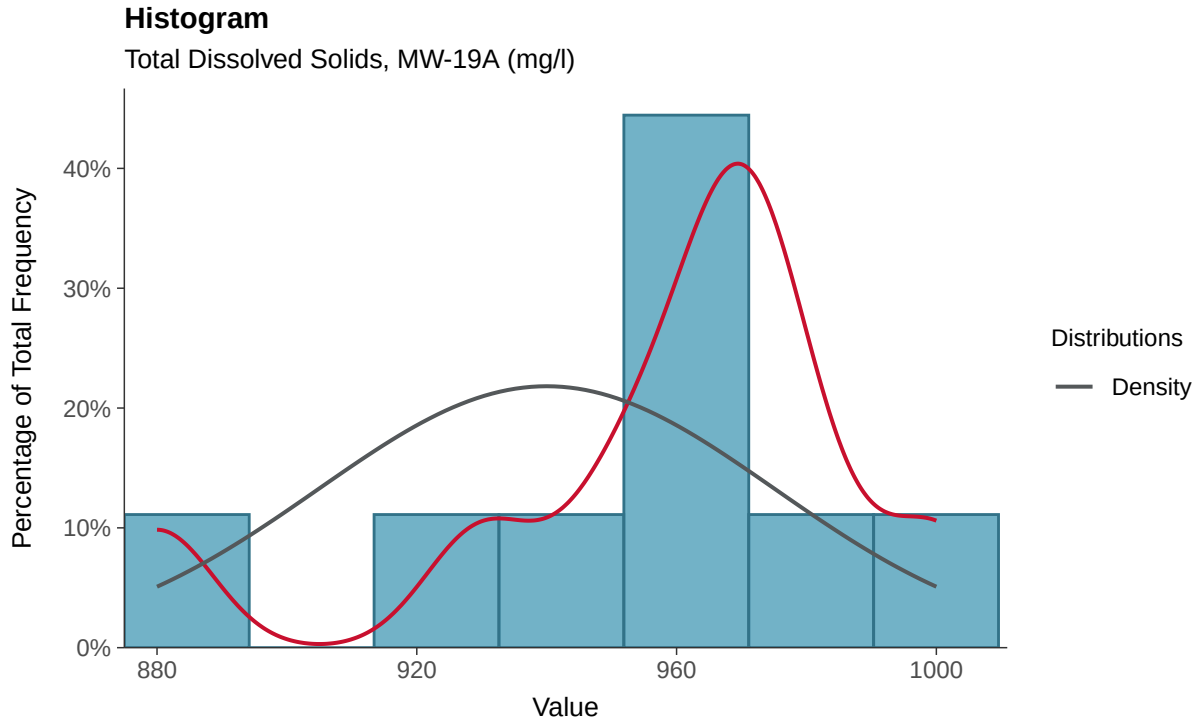
Sulfate, MW-19A (mg/l)



Appendix III: Total Dissolved Solids, MW-19A

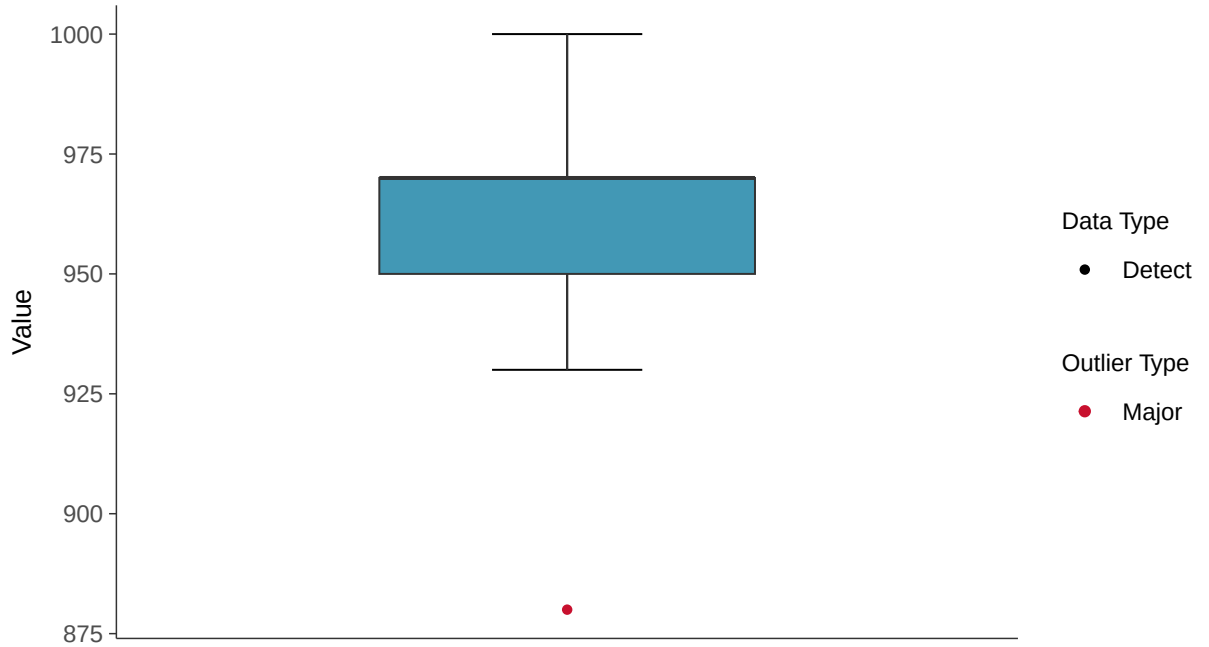
ID: 30_2_126





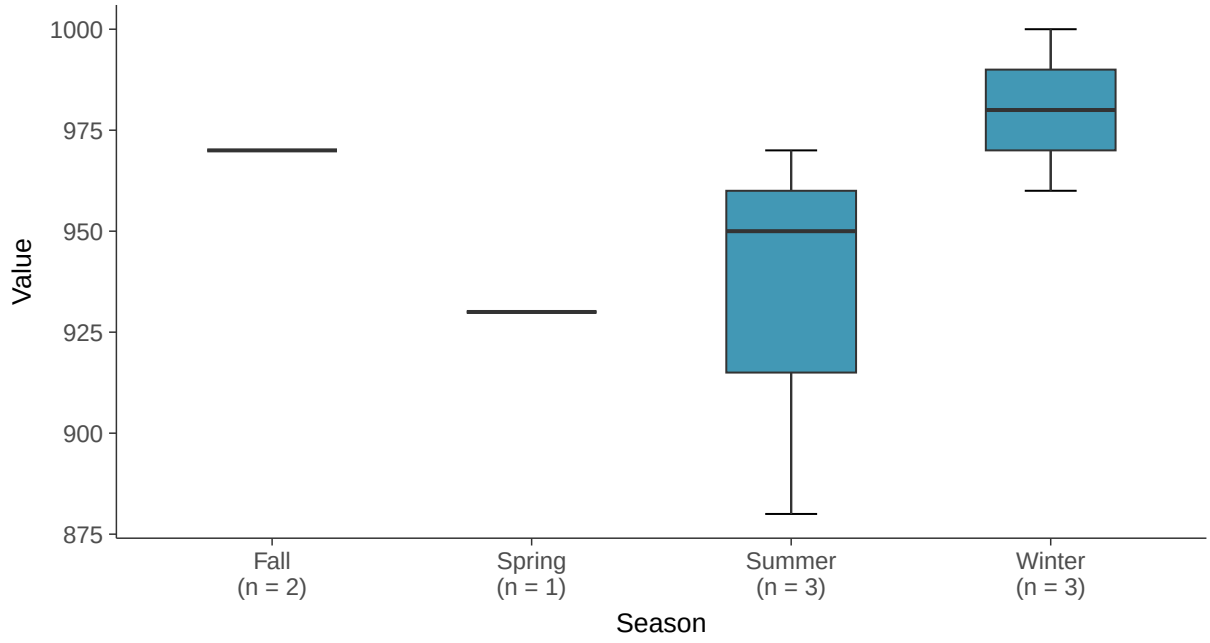
Boxplot

Total Dissolved Solids, MW-19A (mg/l)



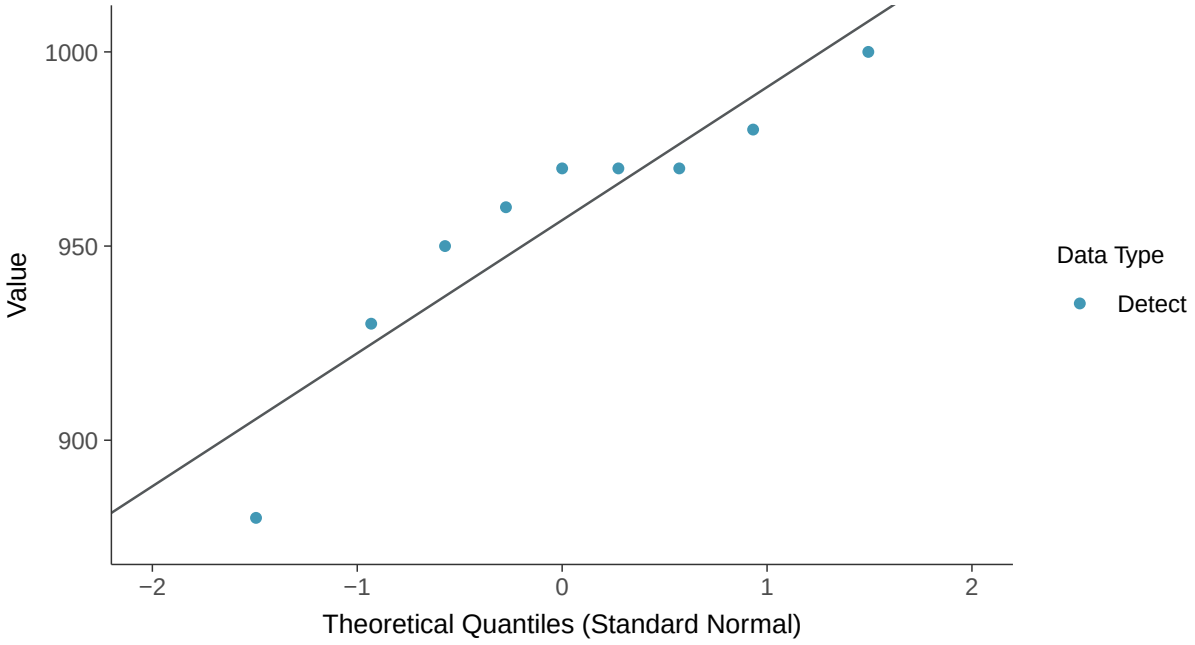
Boxplot by Season

Total Dissolved Solids, MW-19A (mg/l)



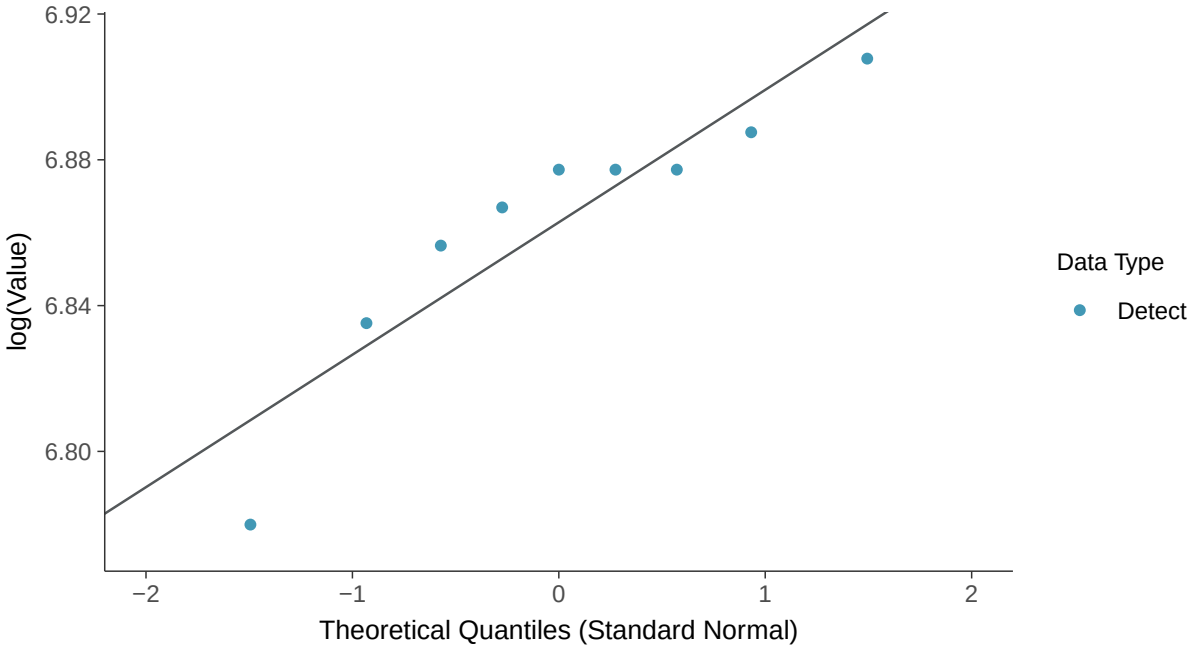
Normal Q-Q plot

Total Dissolved Solids, MW-19A (mg/l)



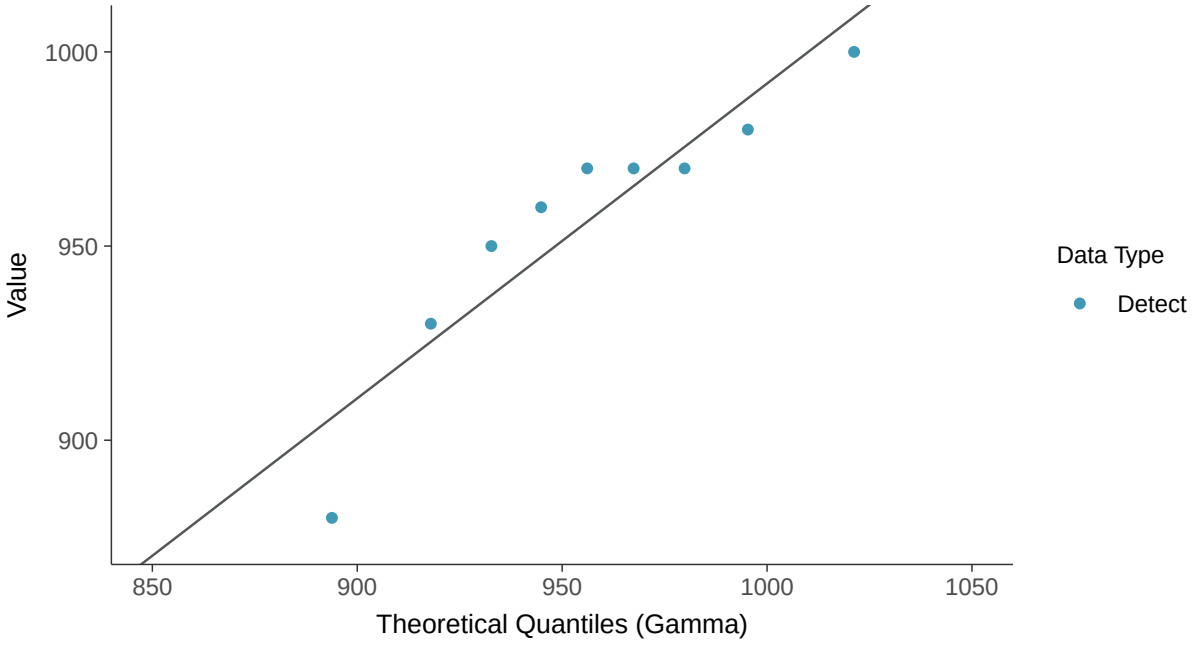
Lognormal Q-Q plot

Total Dissolved Solids, MW-19A (mg/l)



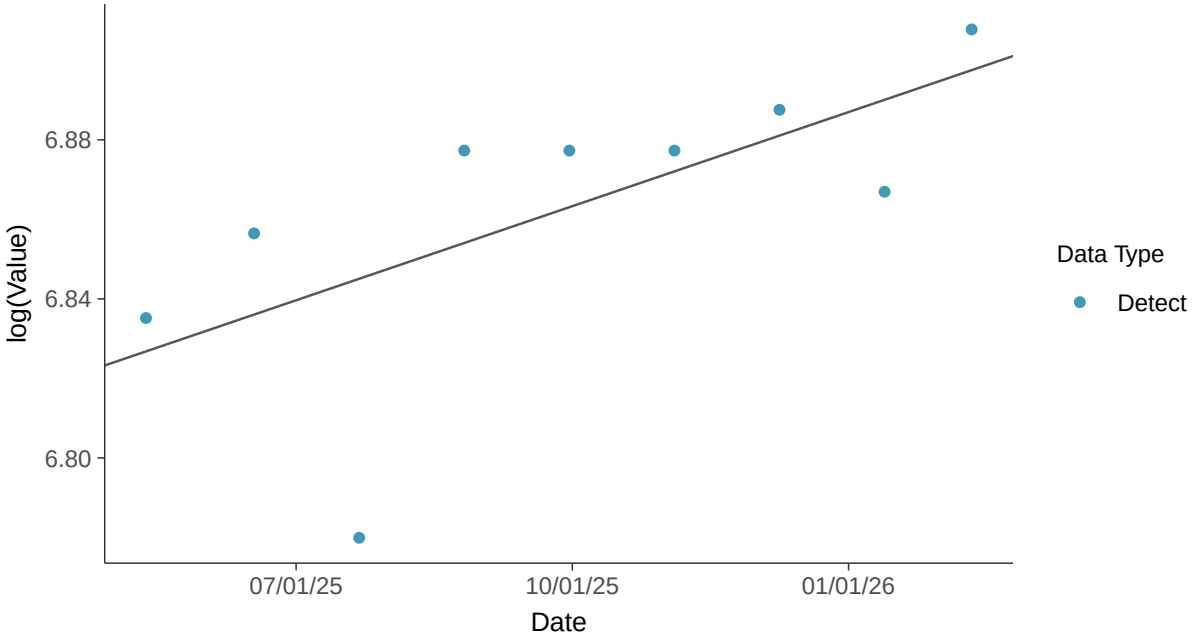
Gamma Q-Q plot

Total Dissolved Solids, MW-19A (mg/l)



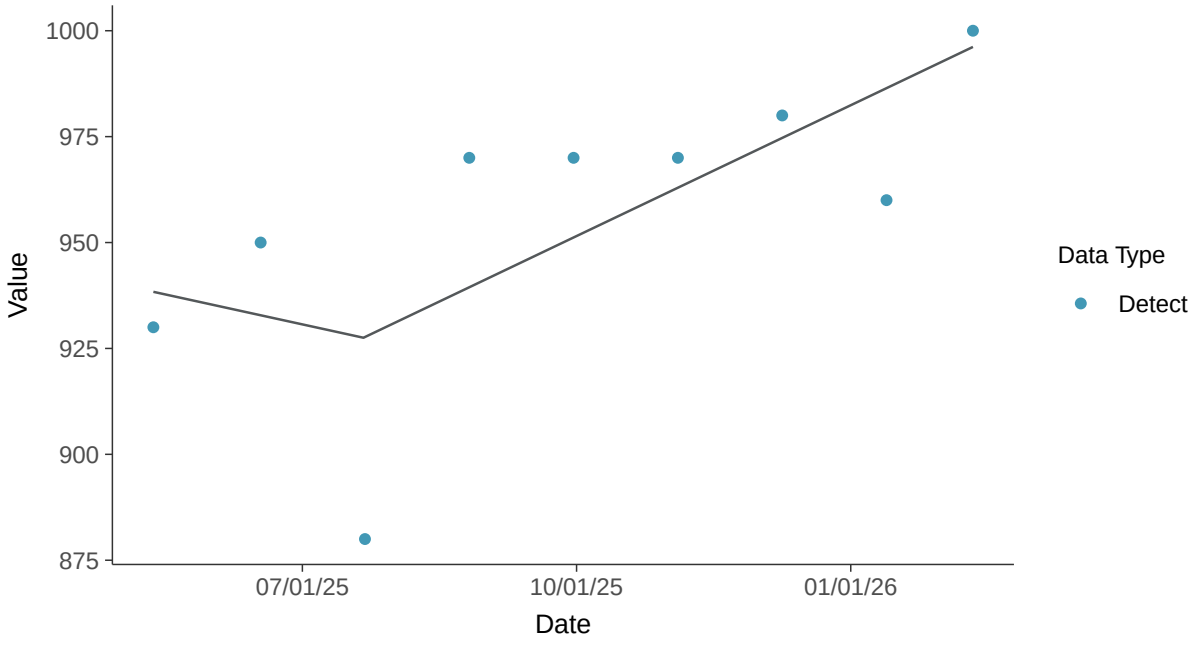
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-19A (mg/l)



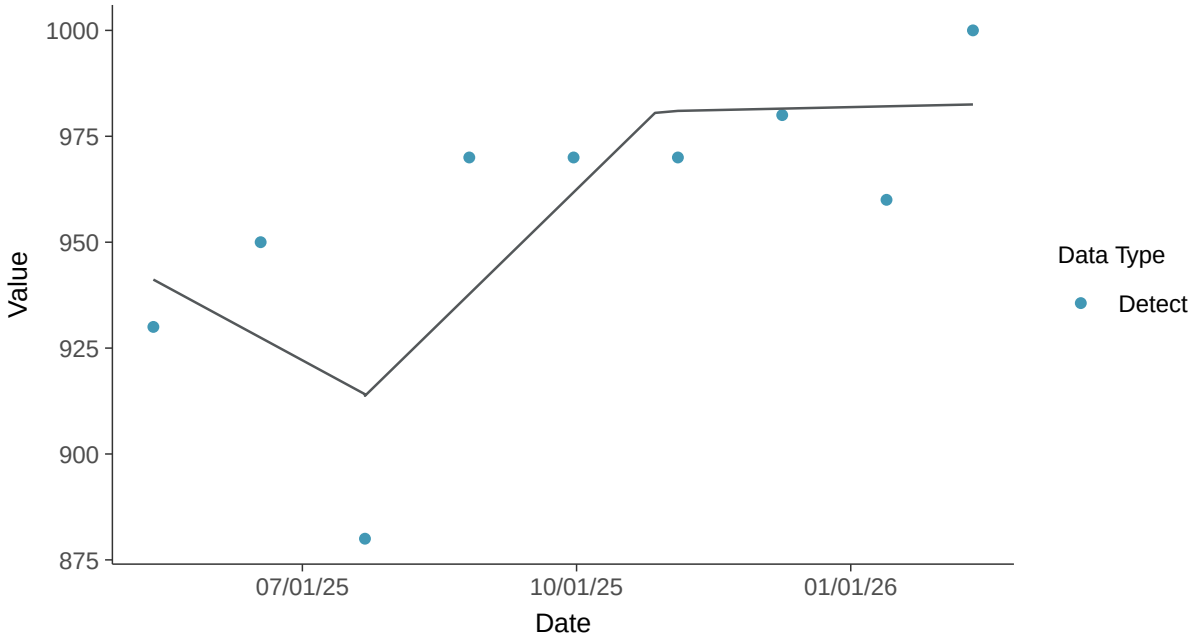
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-19A (mg/l)



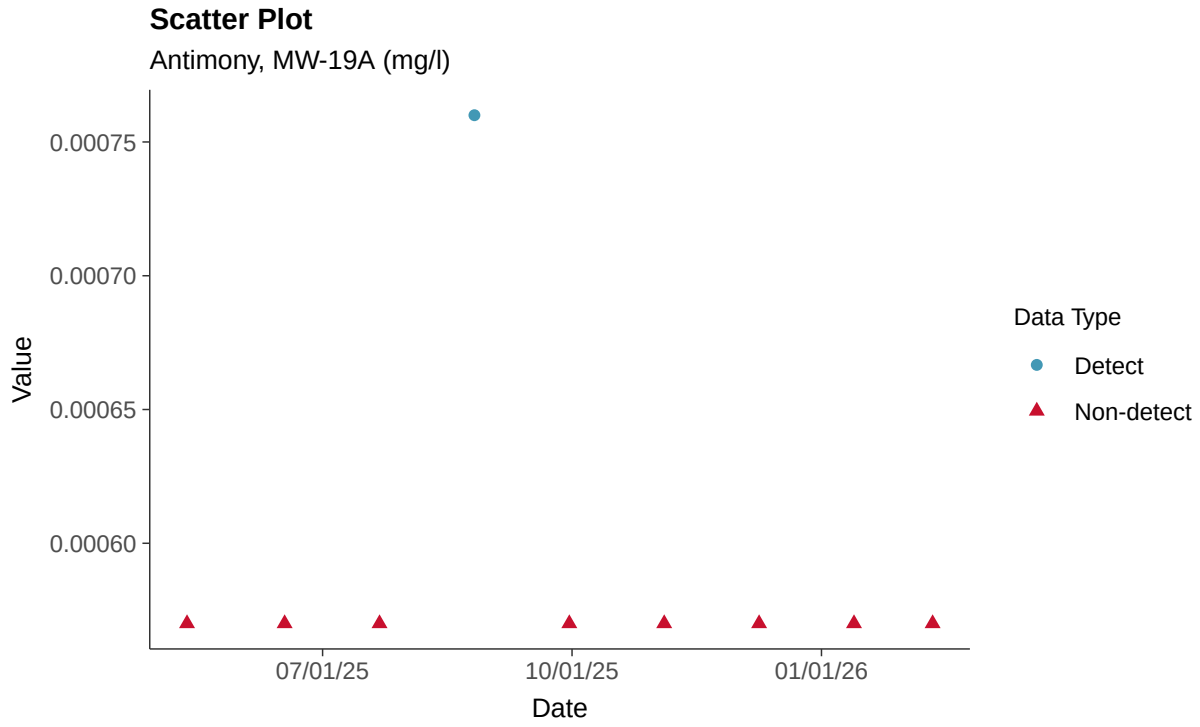
Trend Regression: Piecewise Linear-Linear-Linear

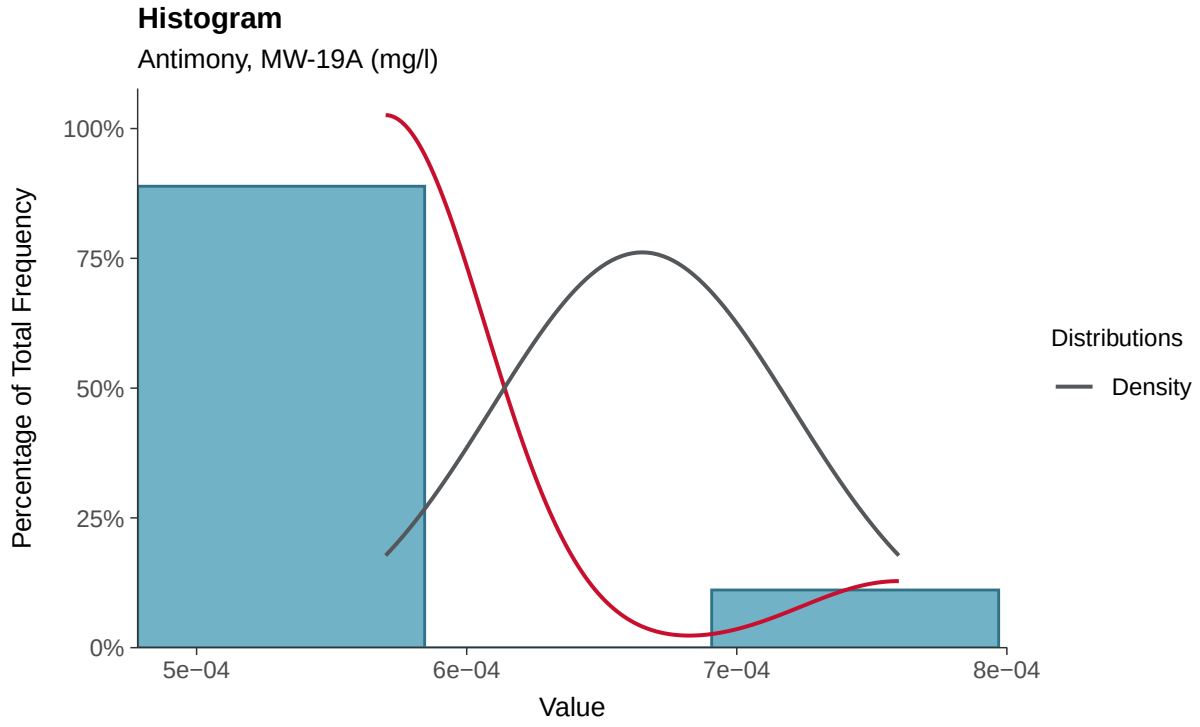
Total Dissolved Solids, MW-19A (mg/l)



Appendix IV: Antimony, MW-19A

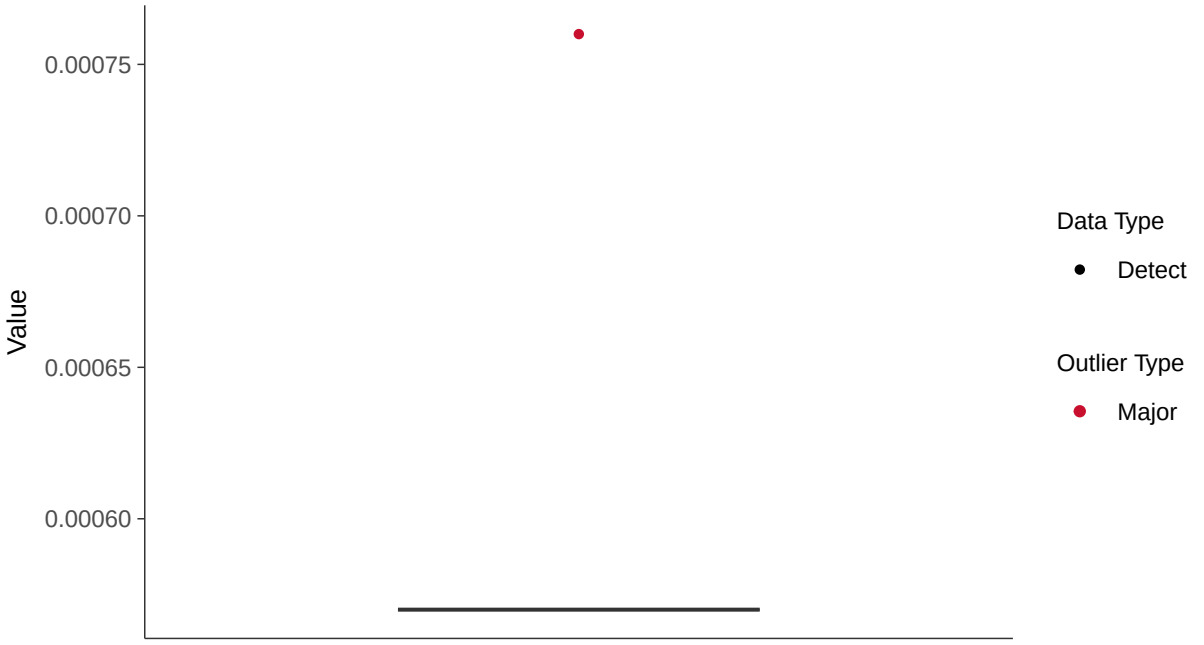
ID: 30_3_101





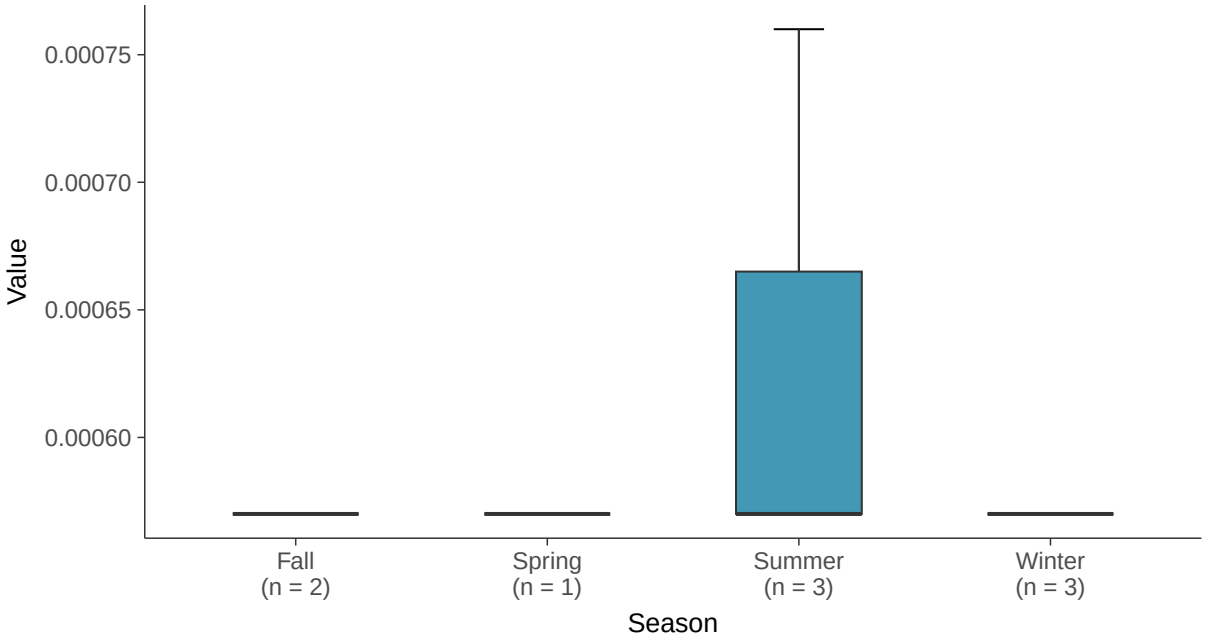
Boxplot

Antimony, MW-19A (mg/l)



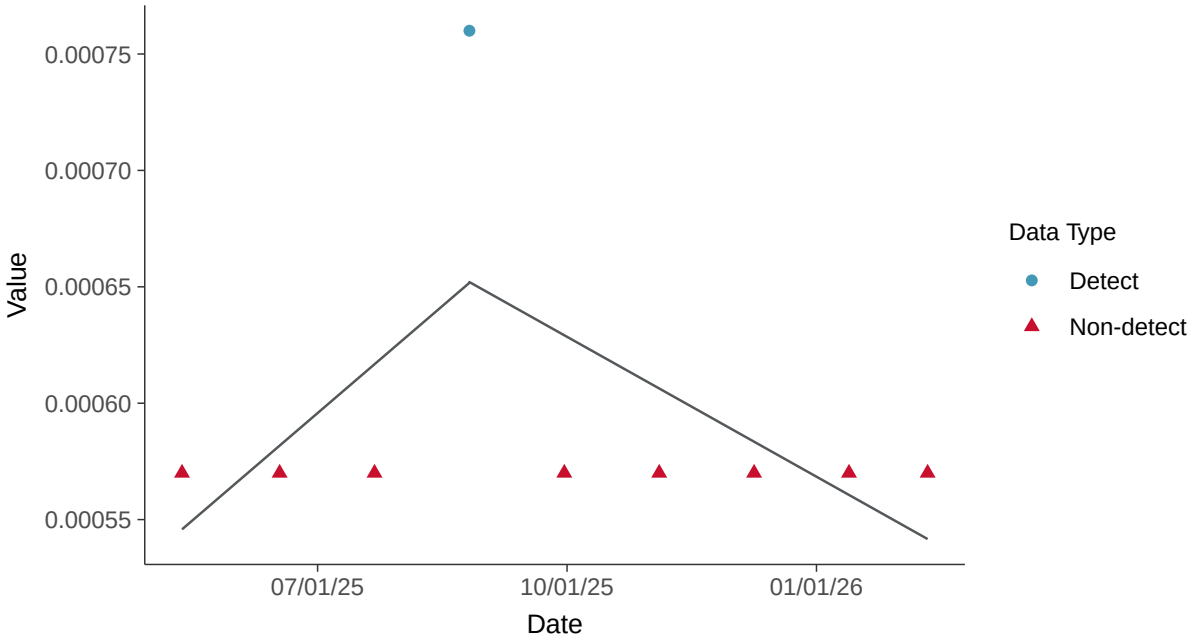
Boxplot by Season

Antimony, MW-19A (mg/l)



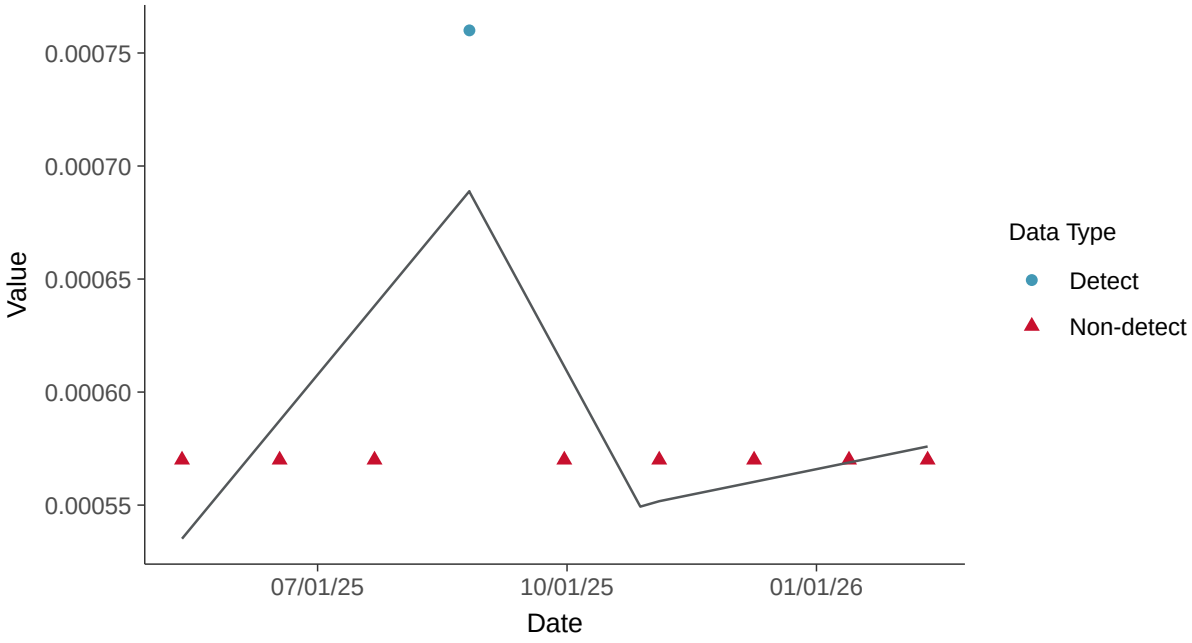
Trend Regression: Piecewise Linear-Linear

Antimony, MW-19A (mg/l)



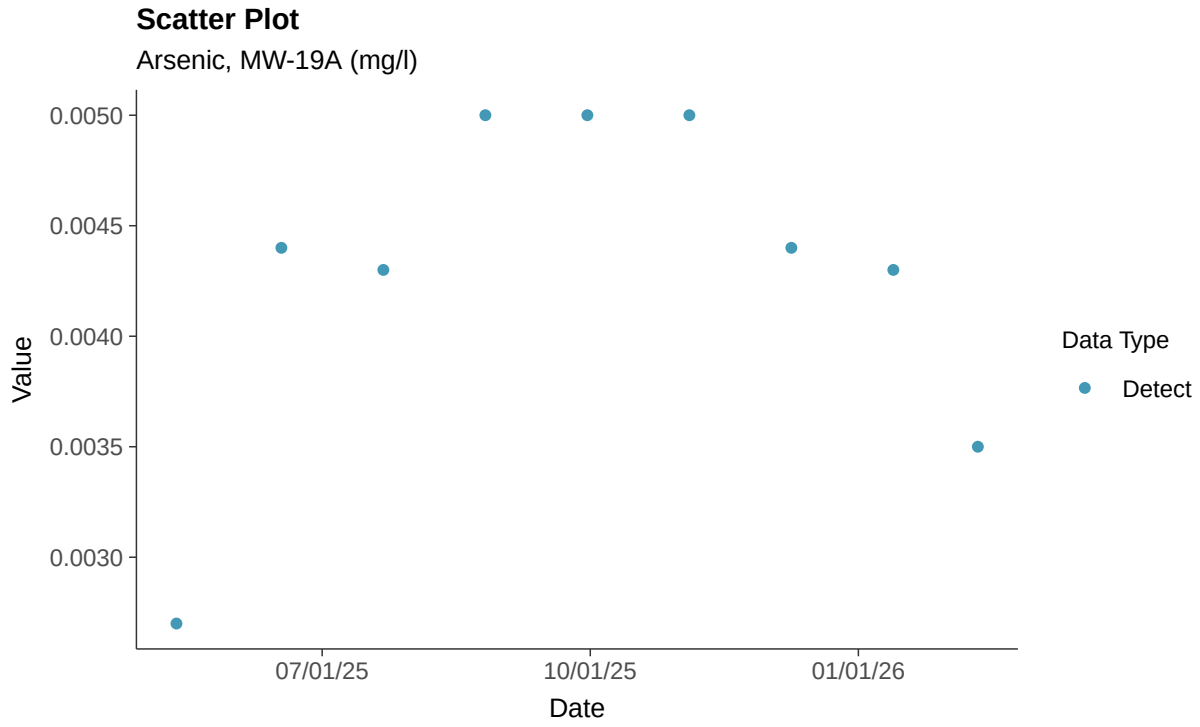
Trend Regression: Piecewise Linear-Linear-Linear

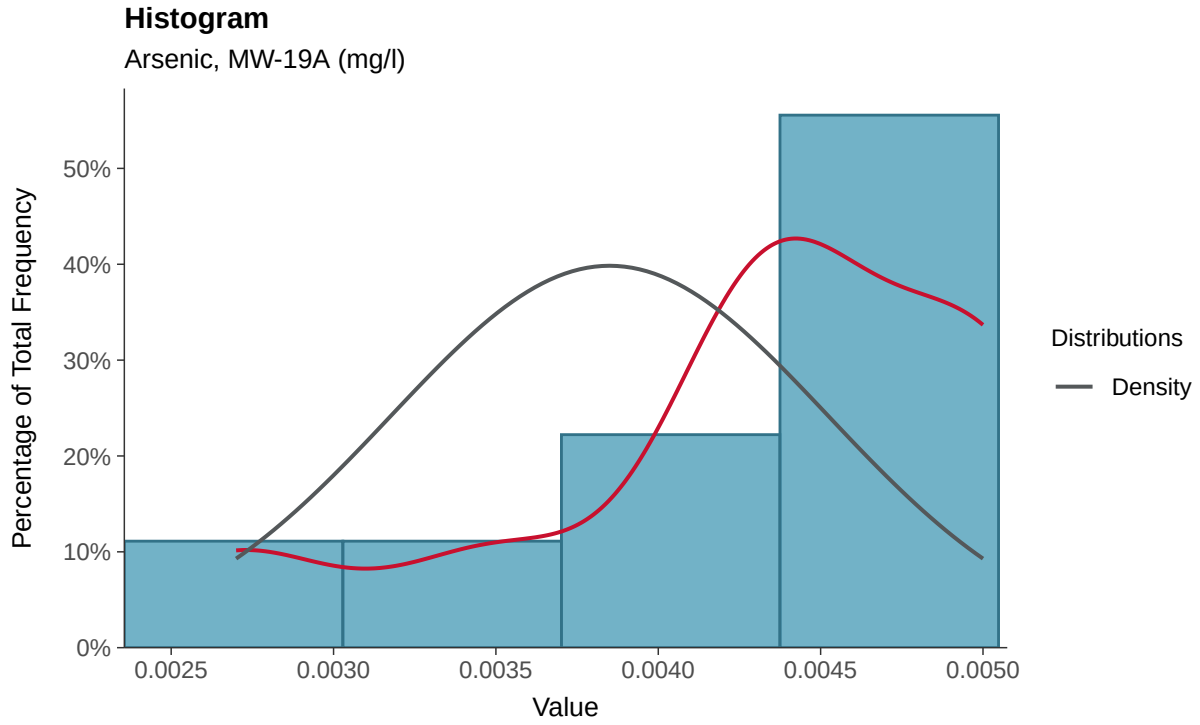
Antimony, MW-19A (mg/l)



Appendix IV: Arsenic, MW-19A

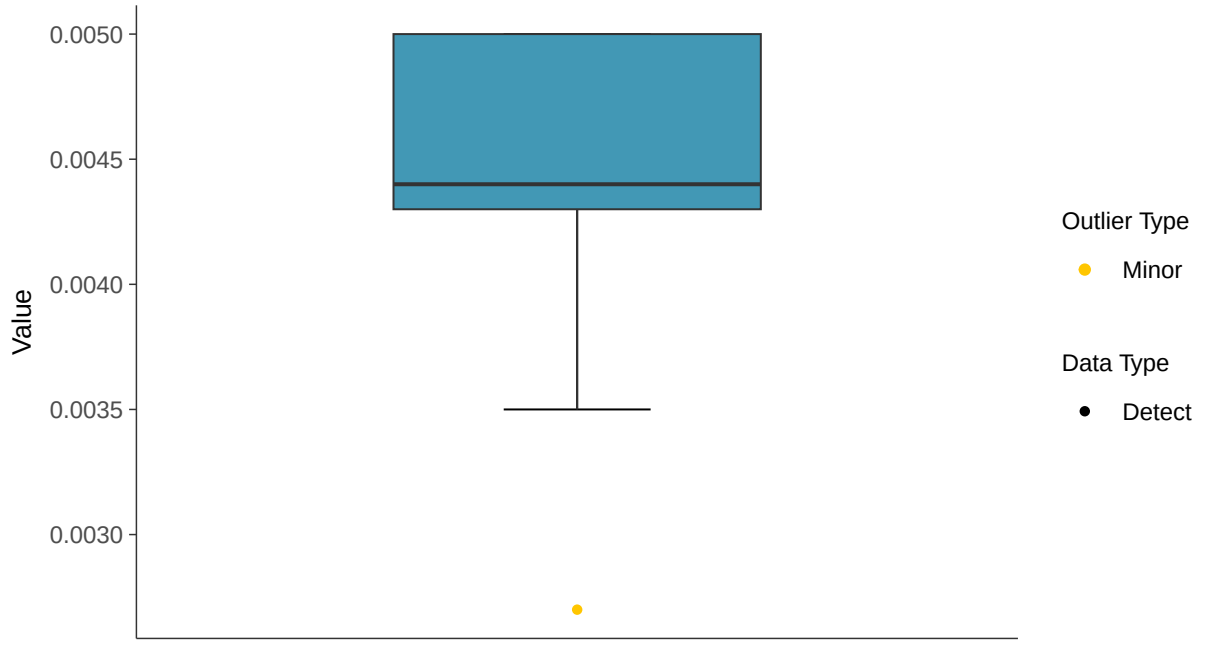
ID: 30_3_102





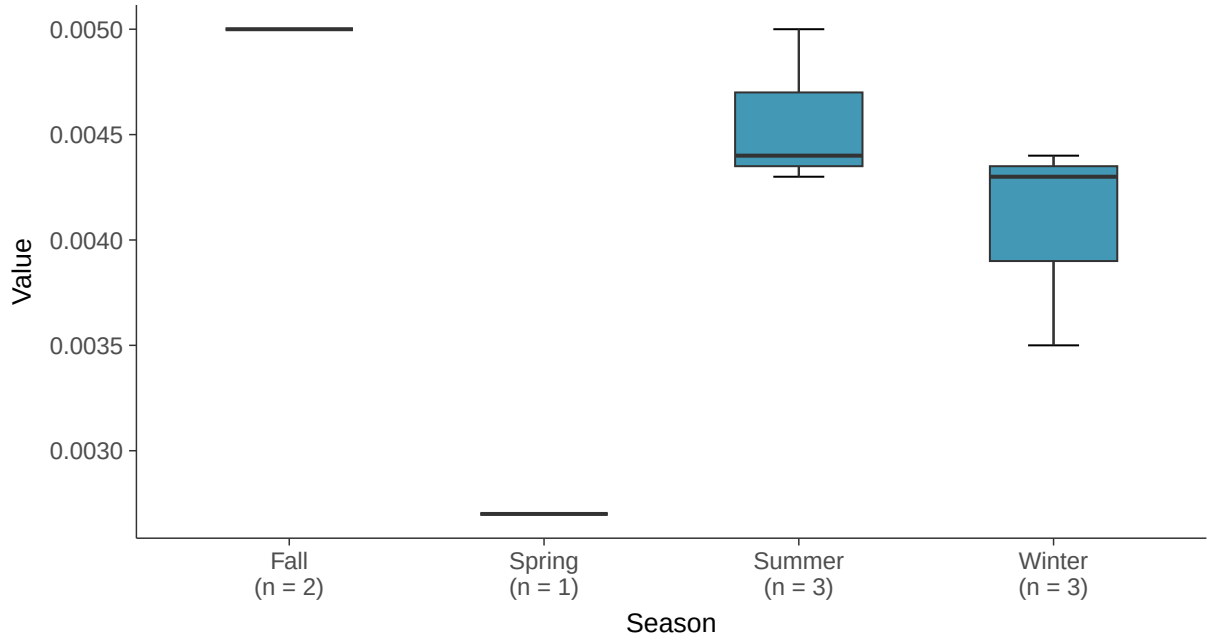
Boxplot

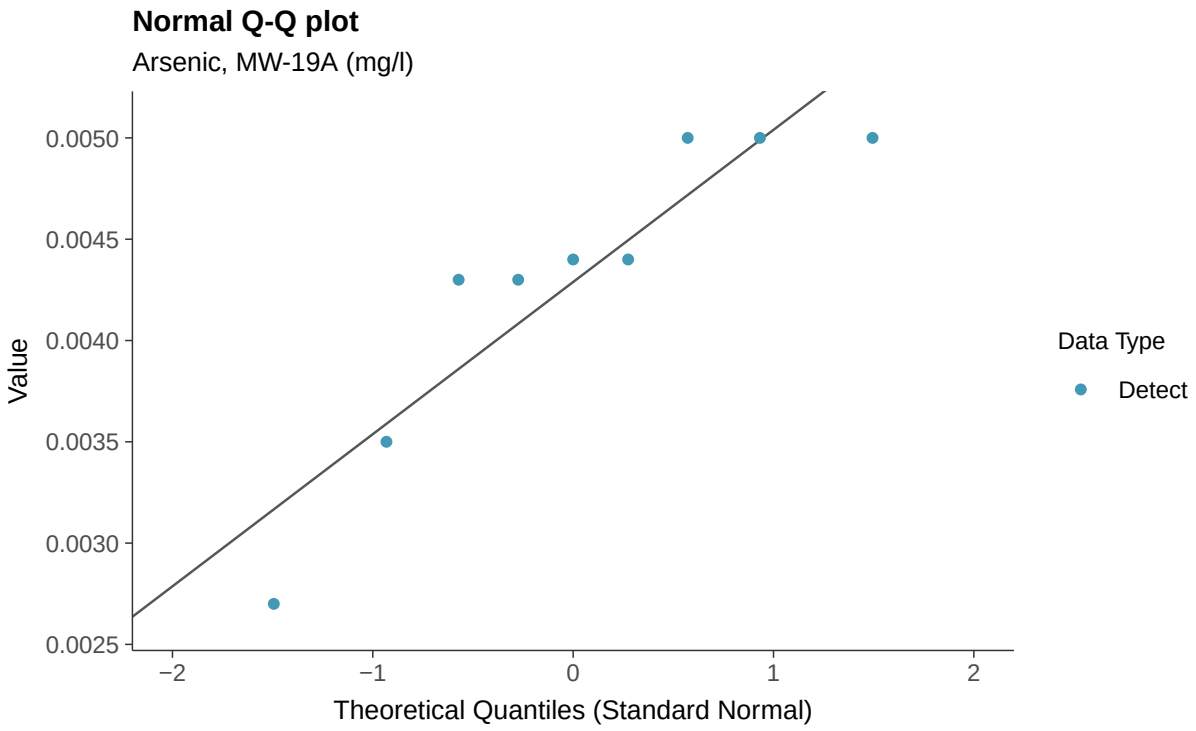
Arsenic, MW-19A (mg/l)

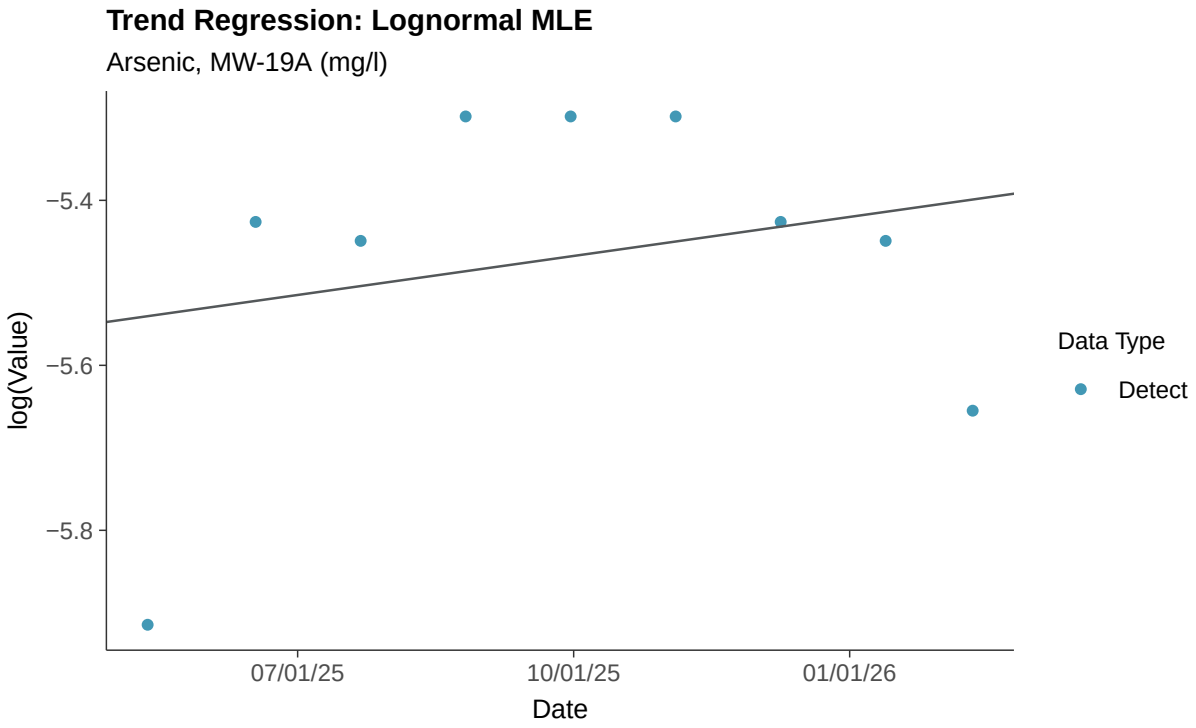


Boxplot by Season

Arsenic, MW-19A (mg/l)

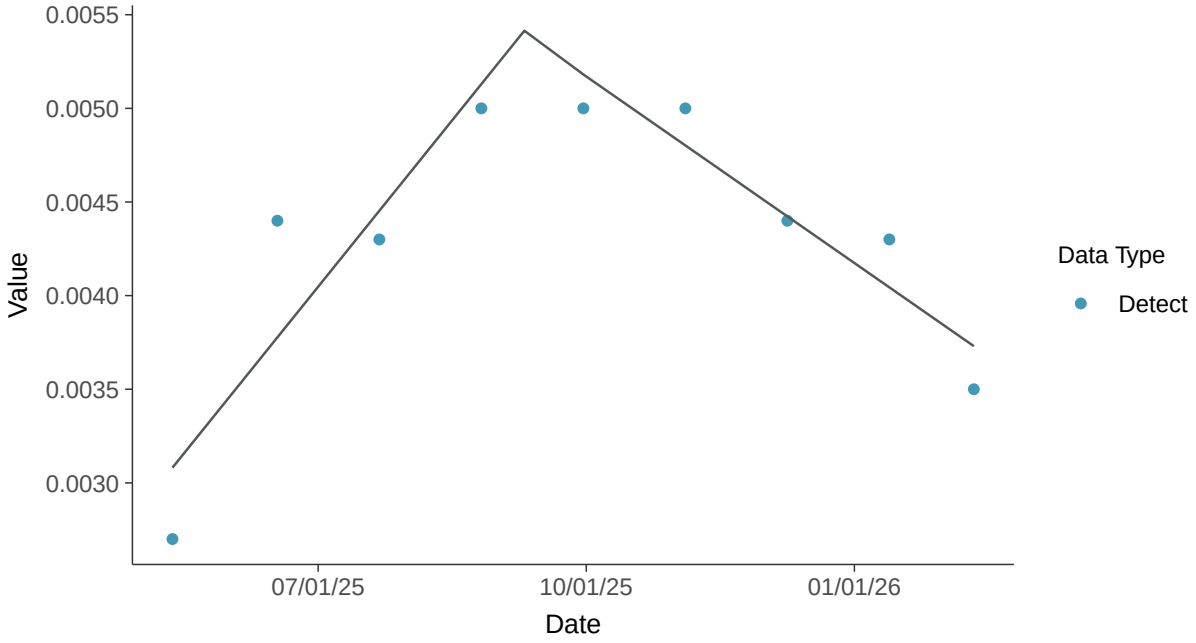



Normal Q-Q plot
Arsenic, MW-19A (mg/l)
Value
0.0050
0.0045
0.0040
0.0035
0.0030
0.0025
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Trend Regression: Lognormal MLE
Arsenic, MW-19A (mg/l)
log(Value)
−5.4
−5.6
−5.8
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

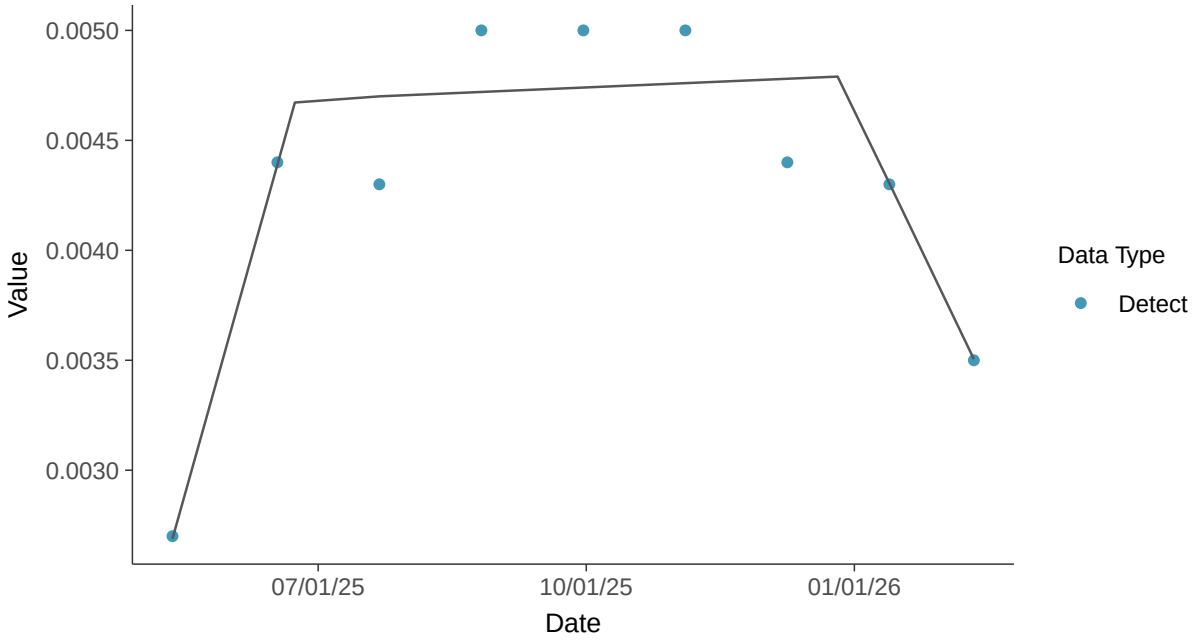
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-19A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Arsenic, MW-19A (mg/l)

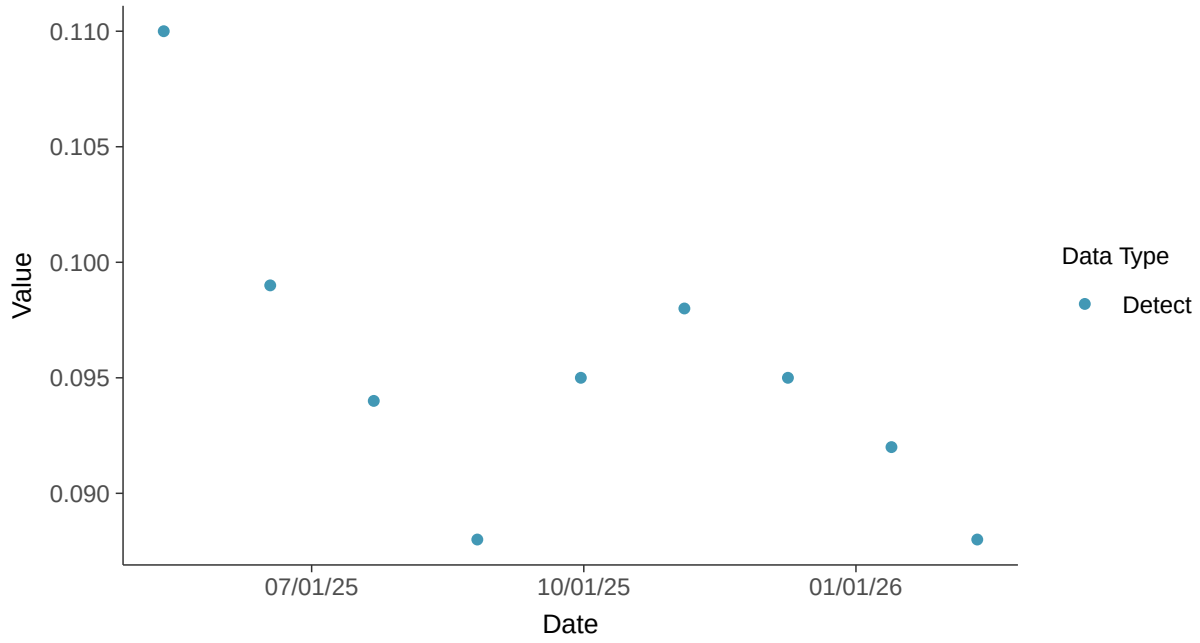


Appendix IV: Barium, MW-19A

ID: 30_3_103

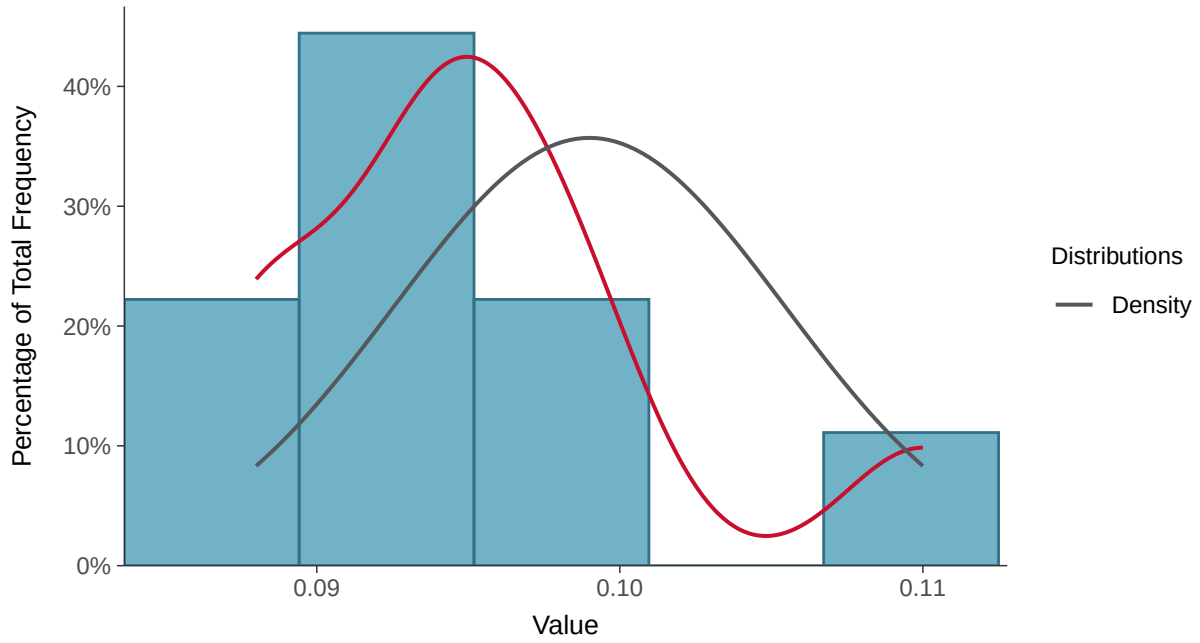
Scatter Plot

Barium, MW-19A (mg/l)



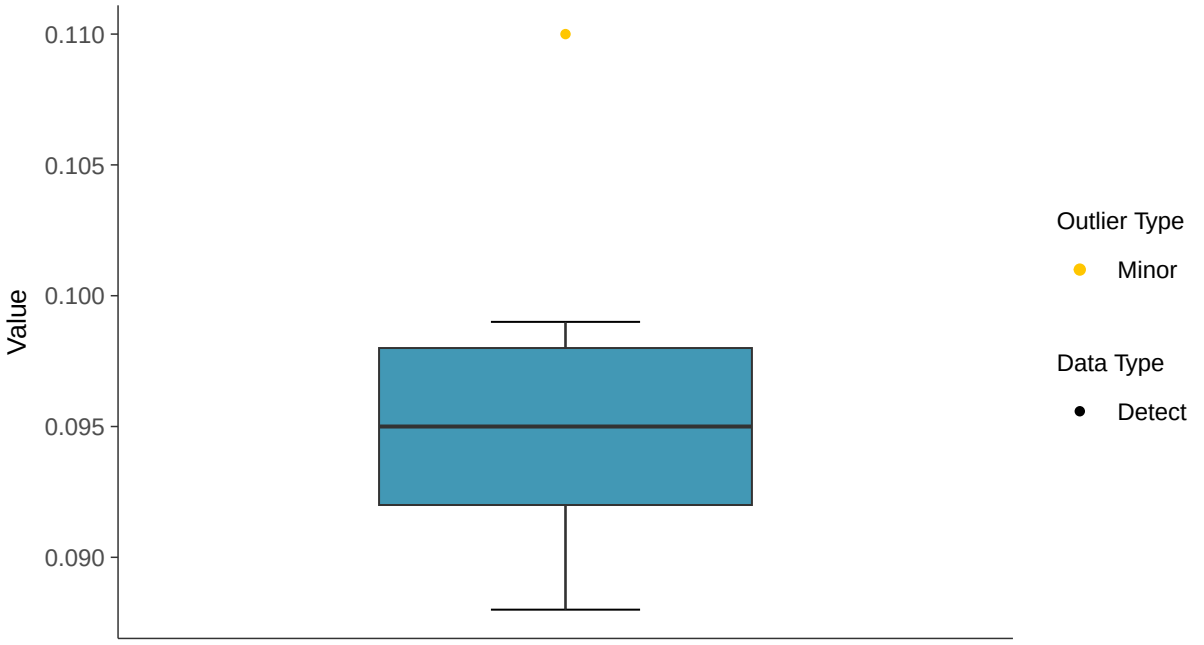
Histogram

Barium, MW-19A (mg/l)



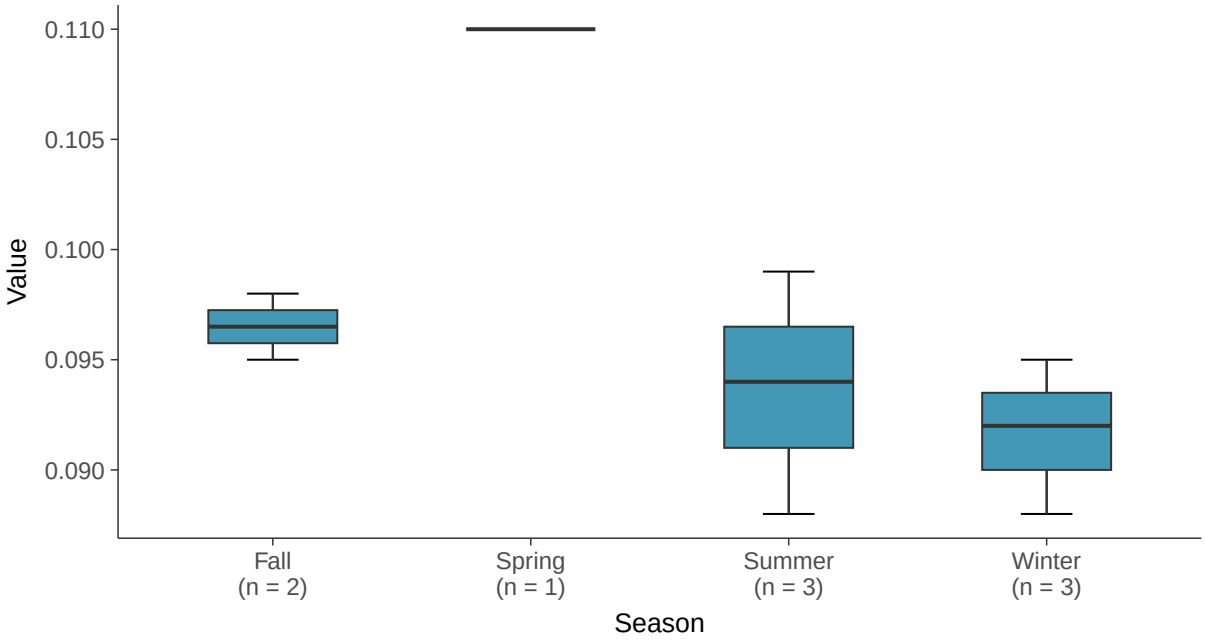
Boxplot

Barium, MW-19A (mg/l)



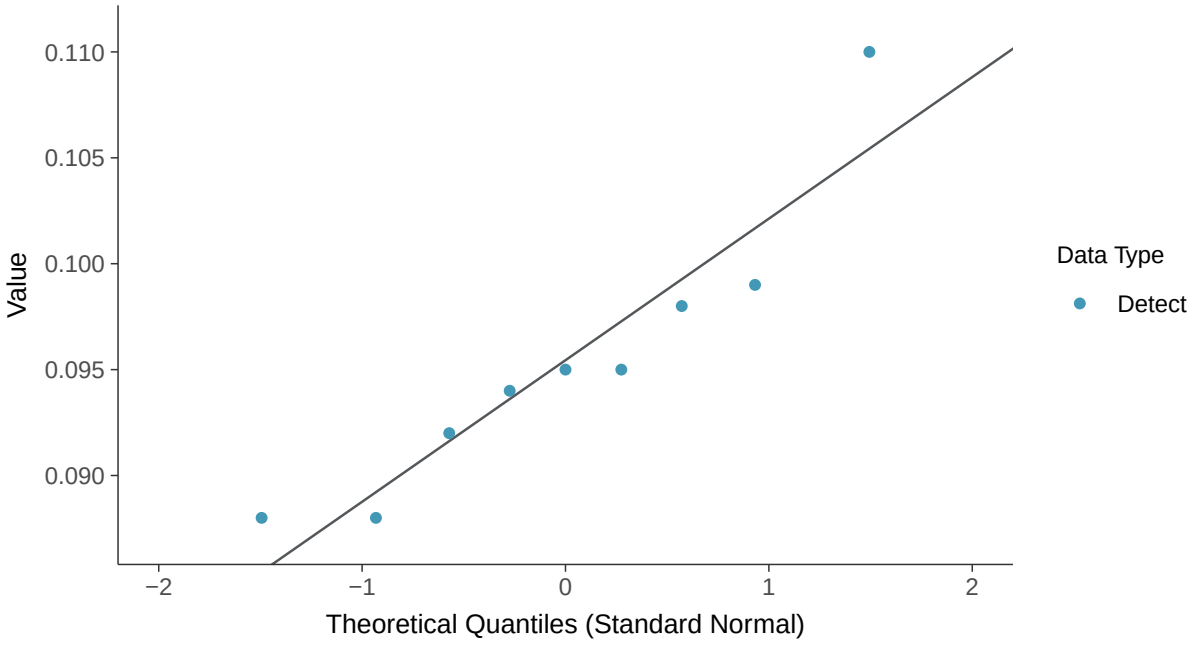
Boxplot by Season

Barium, MW-19A (mg/l)



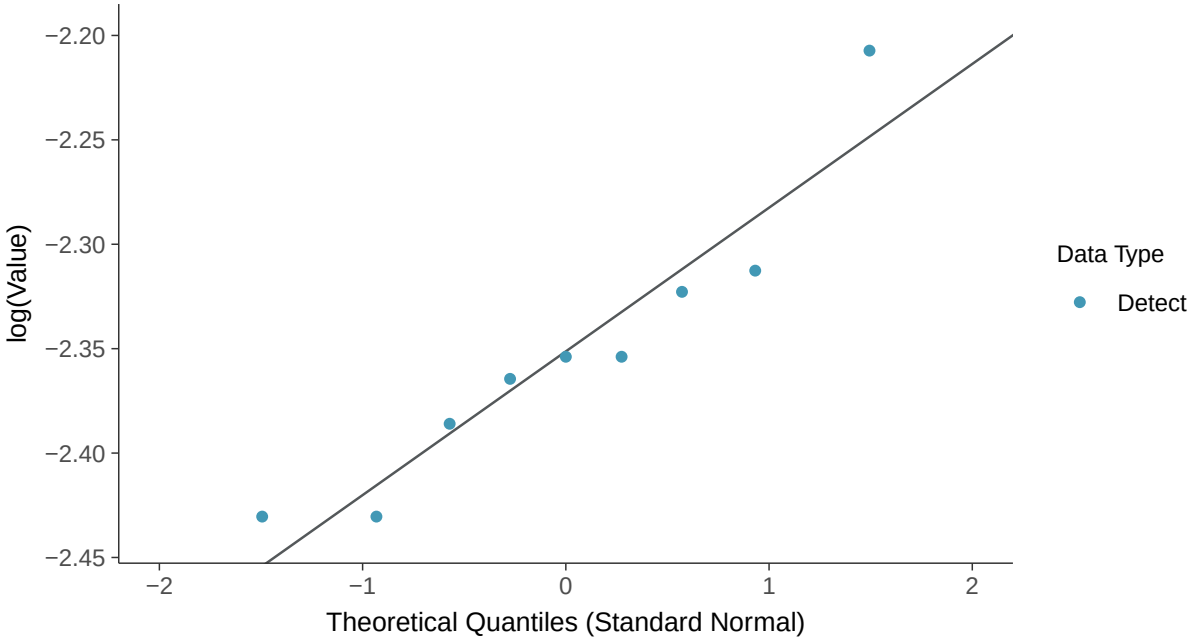
Normal Q-Q plot

Barium, MW-19A (mg/l)



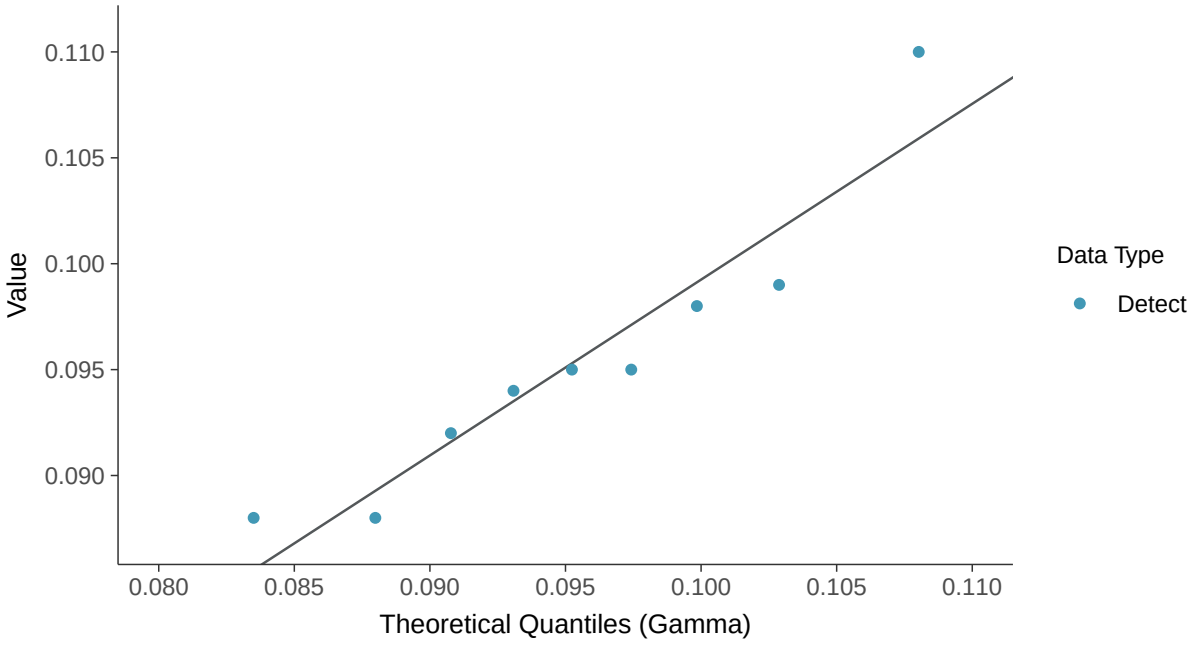
Lognormal Q-Q plot

Barium, MW-19A (mg/l)



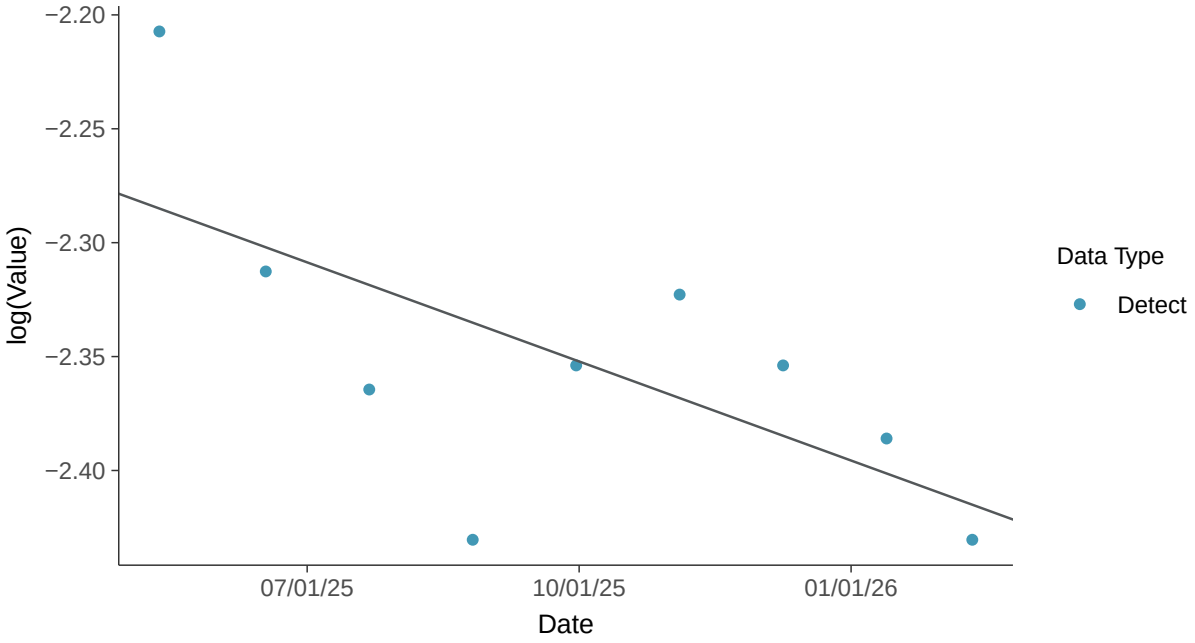
Gamma Q-Q plot

Barium, MW-19A (mg/l)



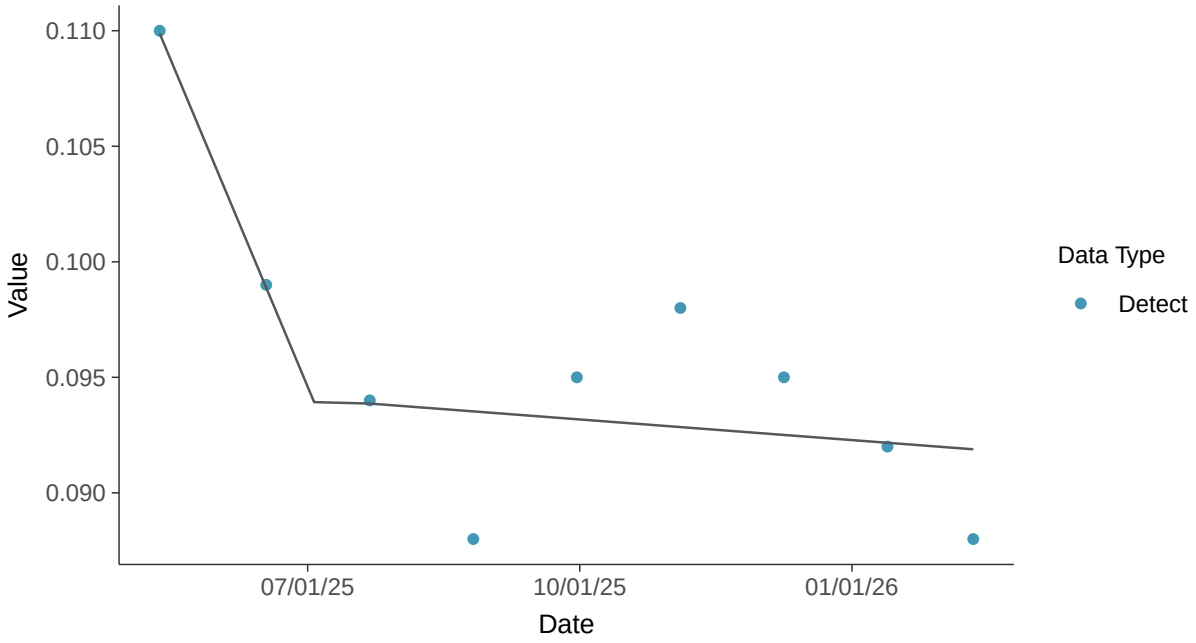
Trend Regression: Lognormal MLE

Barium, MW-19A (mg/l)



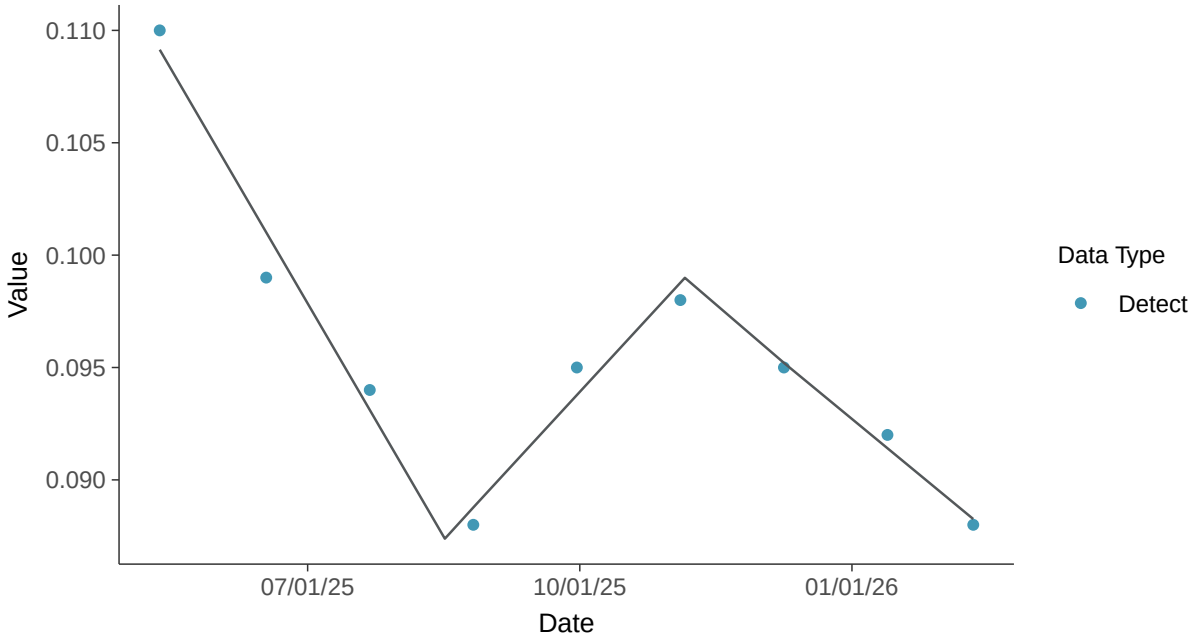
Trend Regression: Piecewise Linear-Linear

Barium, MW-19A (mg/l)



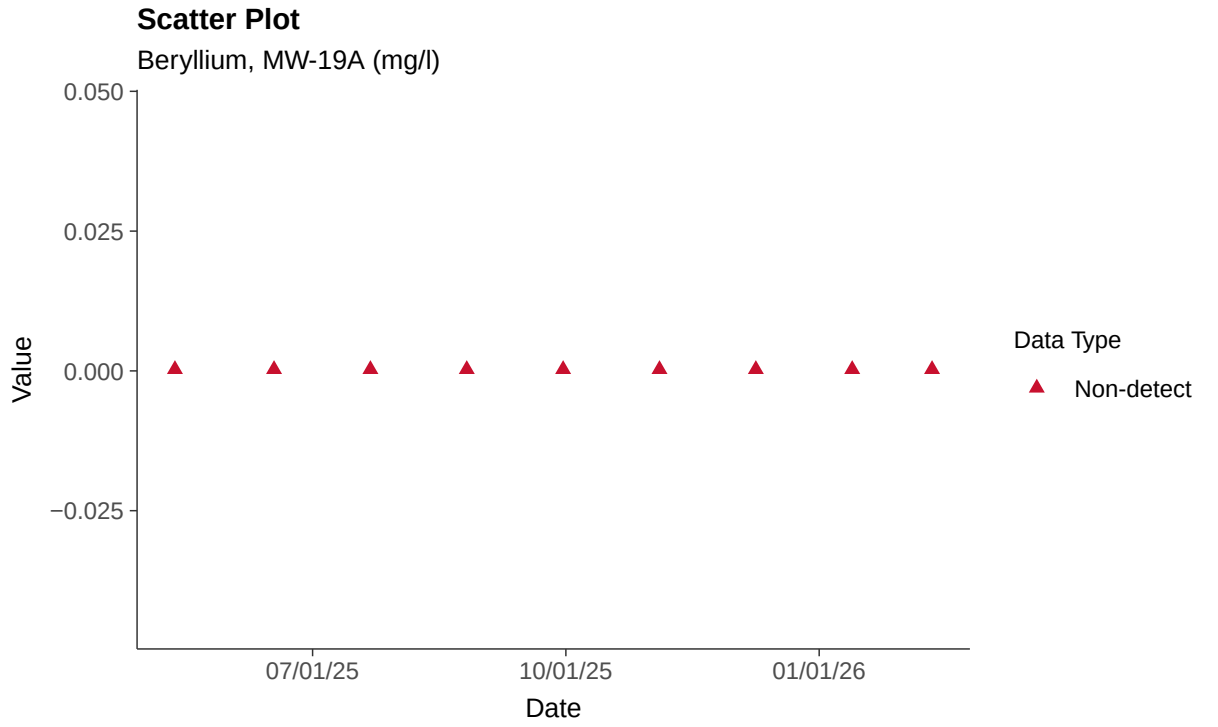
Trend Regression: Piecewise Linear-Linear-Linear

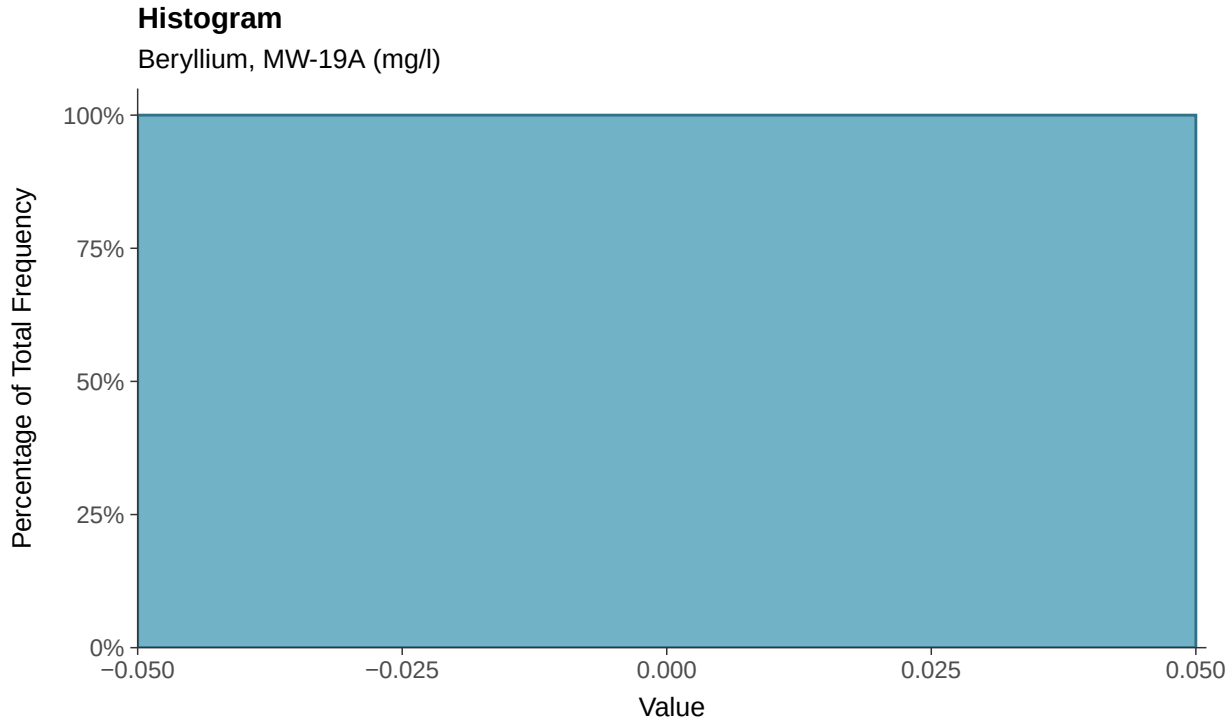
Barium, MW-19A (mg/l)



Appendix IV: Beryllium, MW-19A

ID: 30_3_104



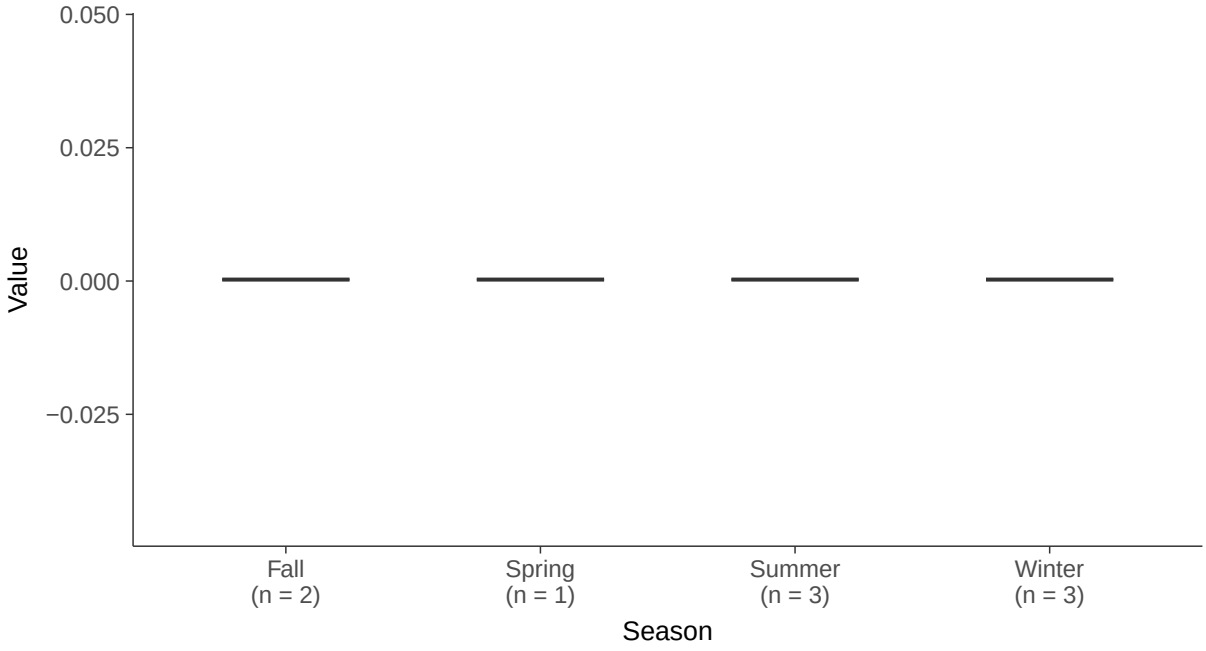


Boxplot

Beryllium, MW-19A (mg/l)

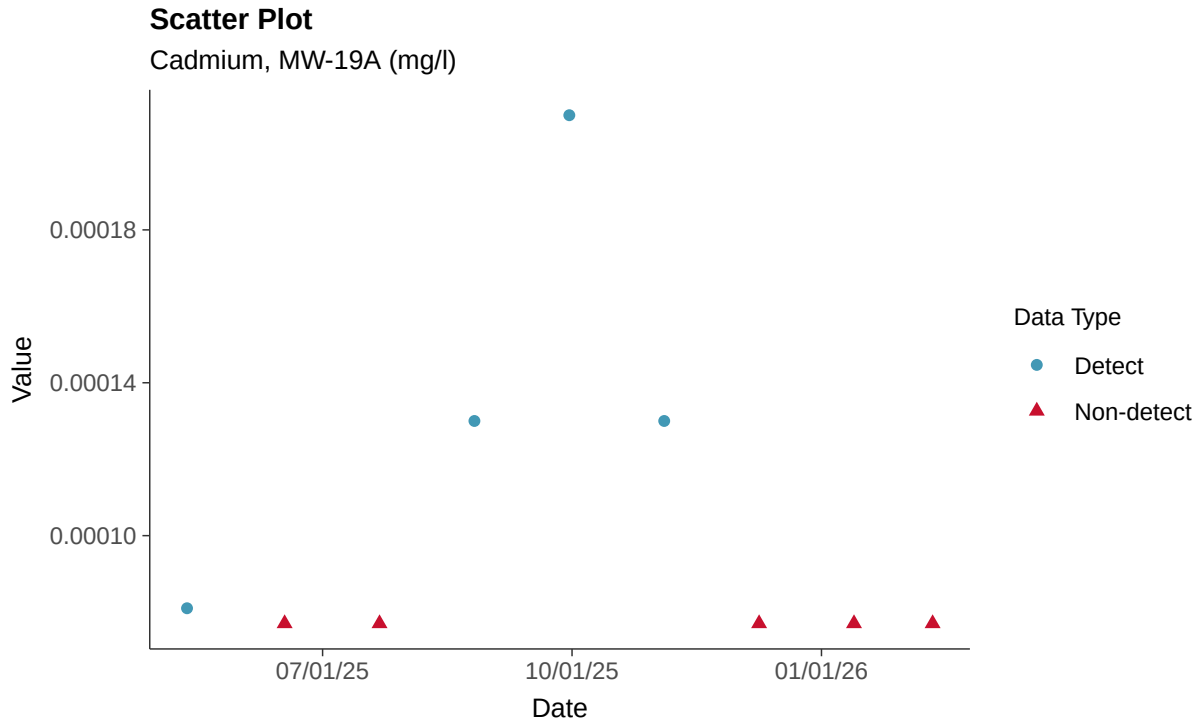
Boxplot by Season

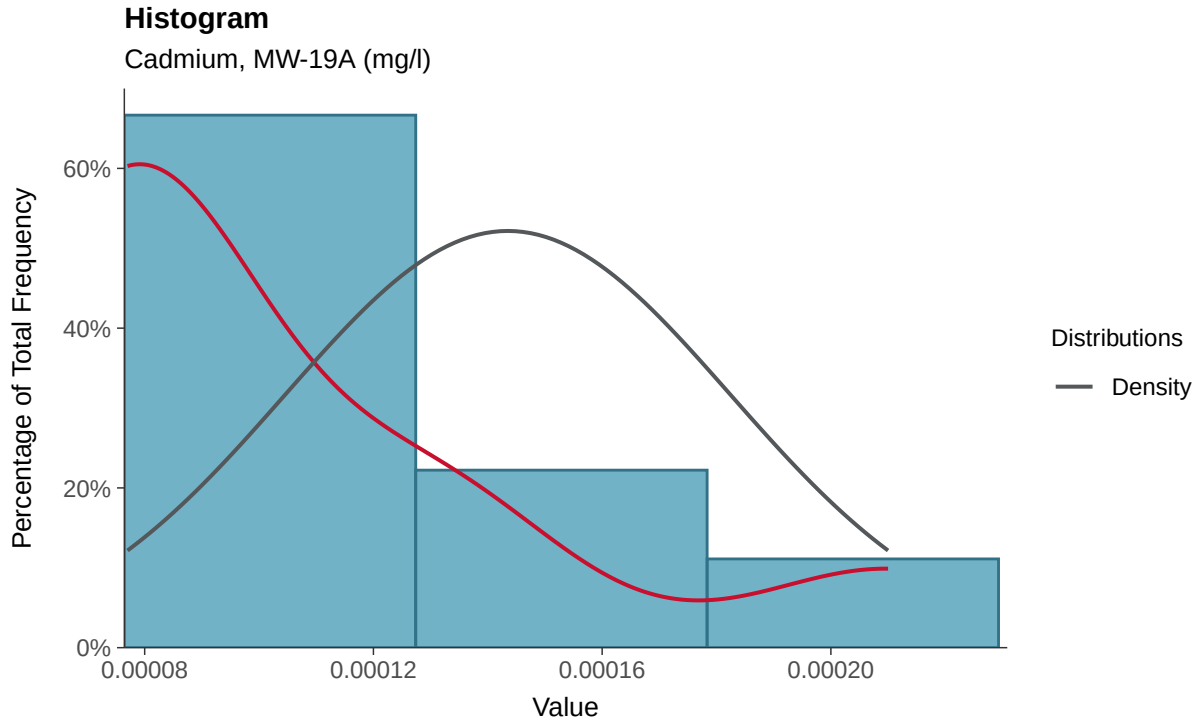
Beryllium, MW-19A (mg/l)



Appendix IV: Cadmium, MW-19A

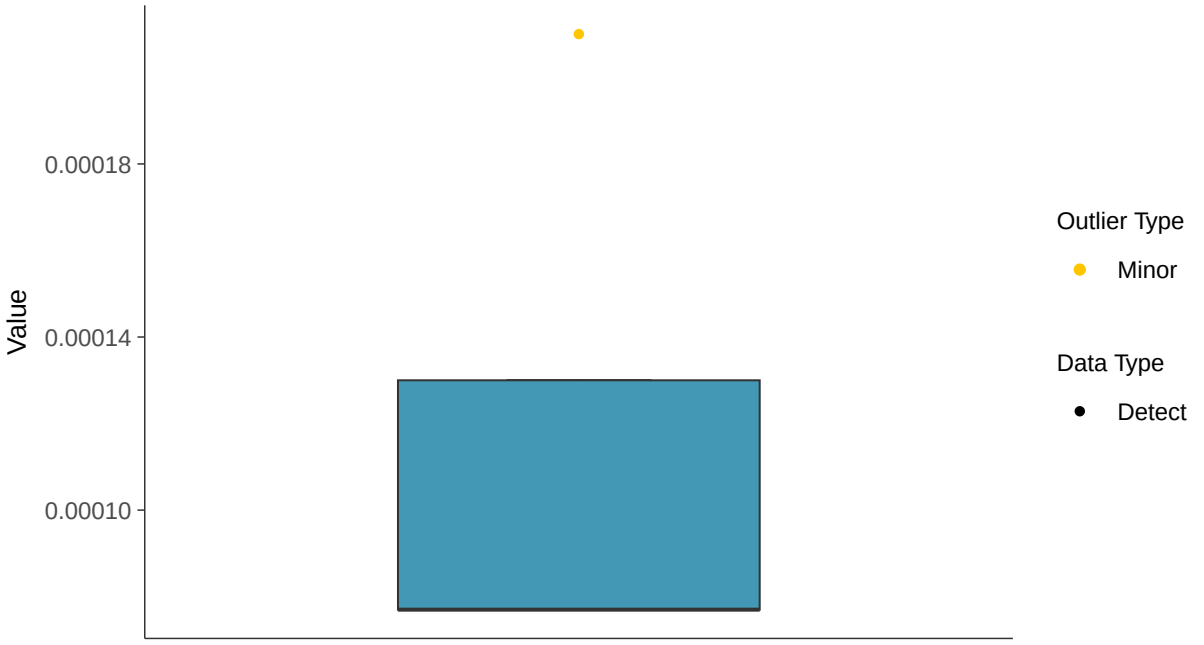
ID: 30_3_106





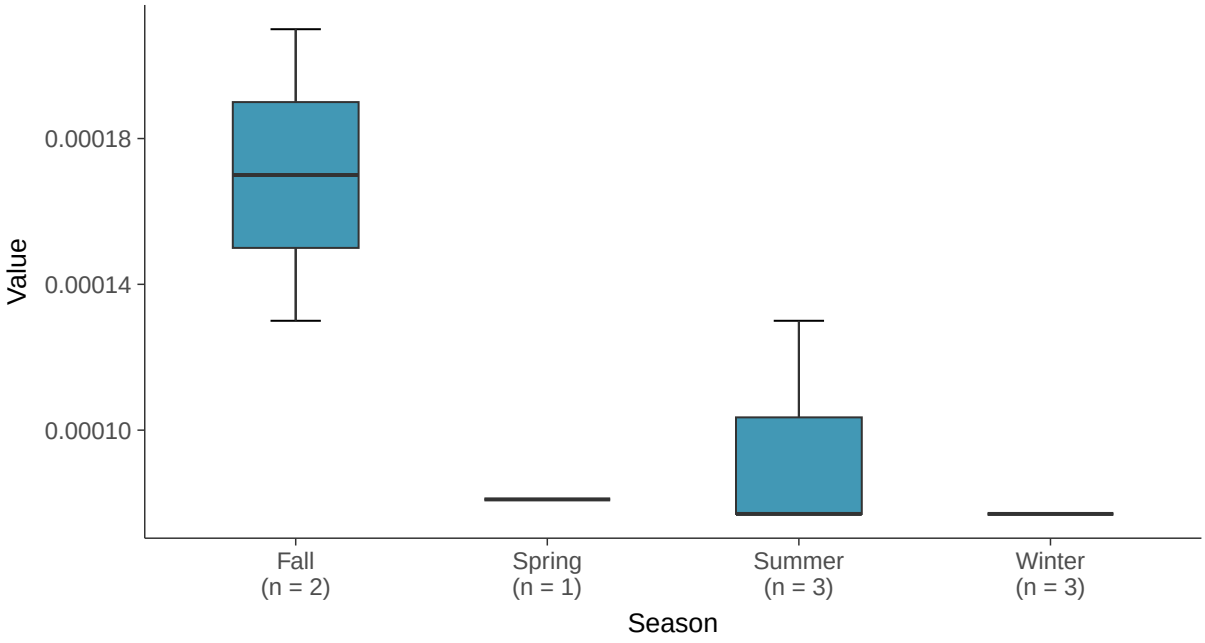
Boxplot

Cadmium, MW-19A (mg/l)



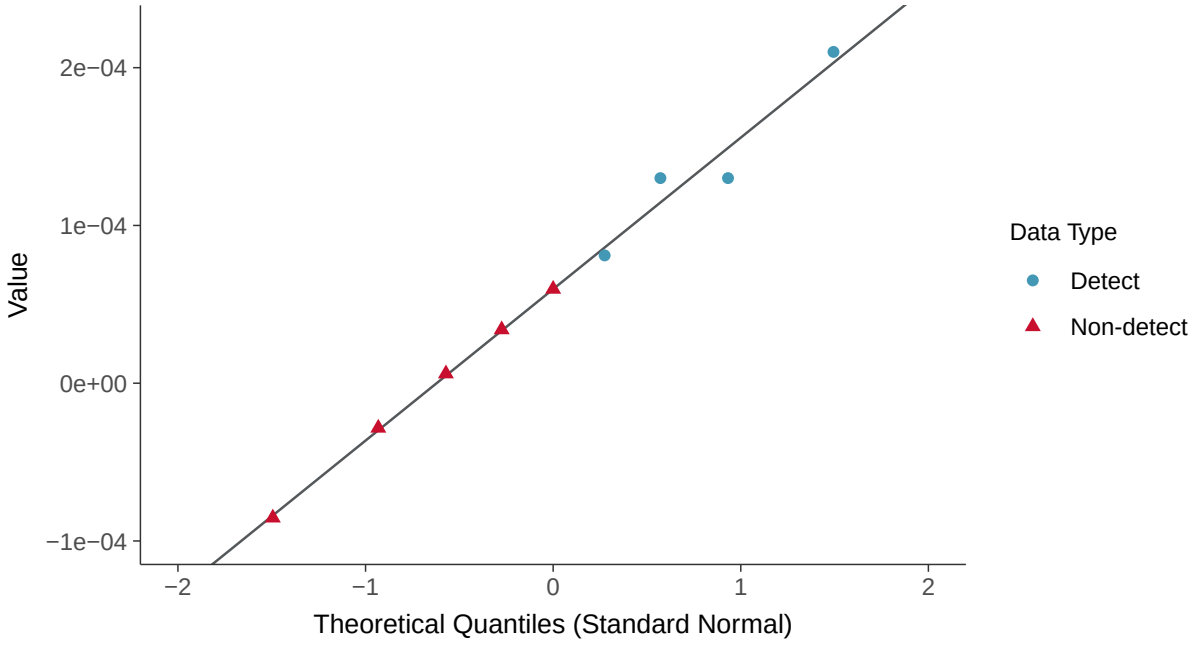
Boxplot by Season

Cadmium, MW-19A (mg/l)



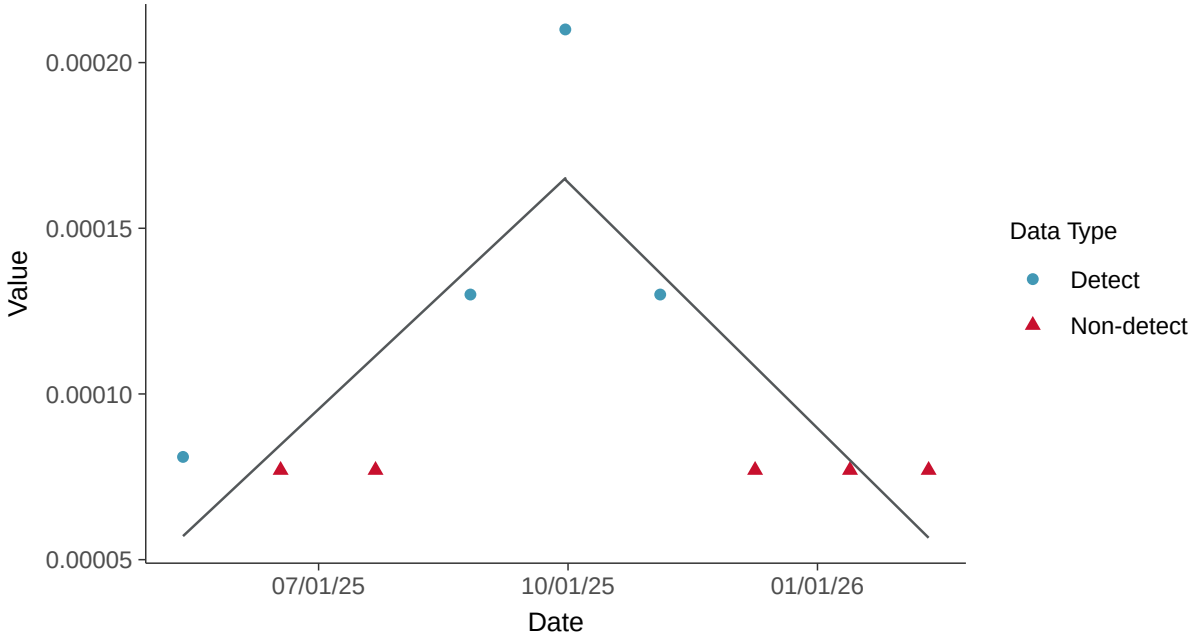
Normal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-19A (mg/l)



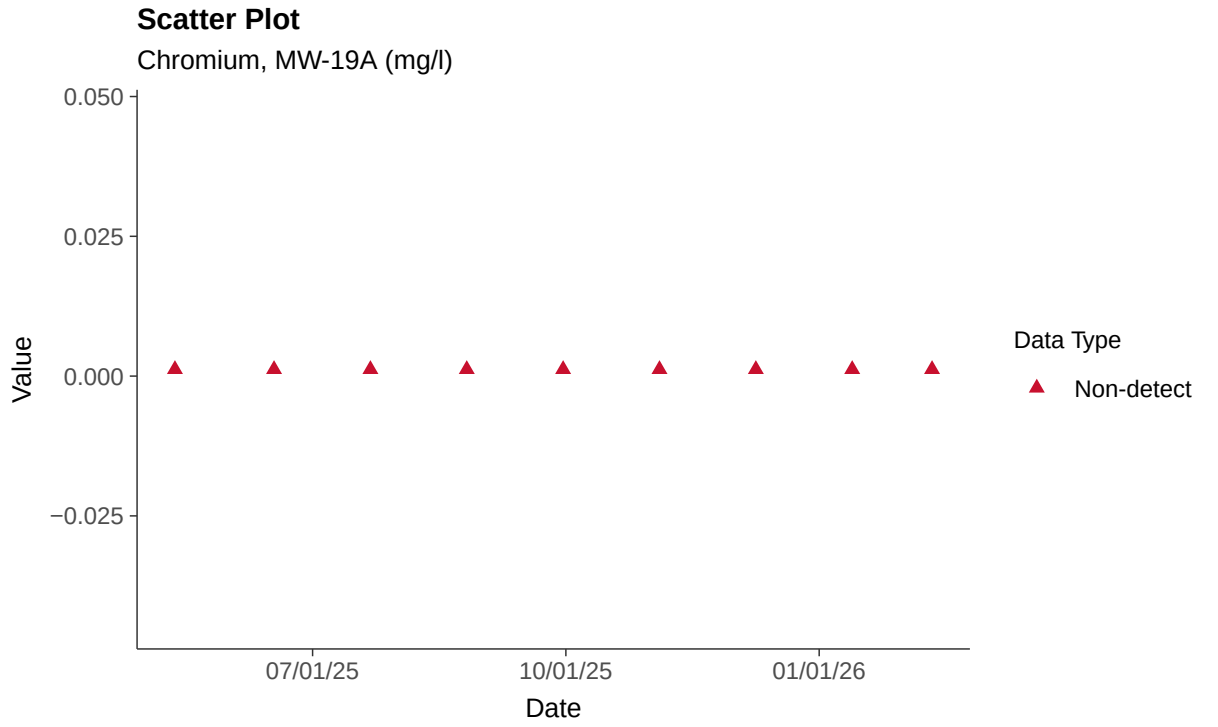
Trend Regression: Piecewise Linear-Linear

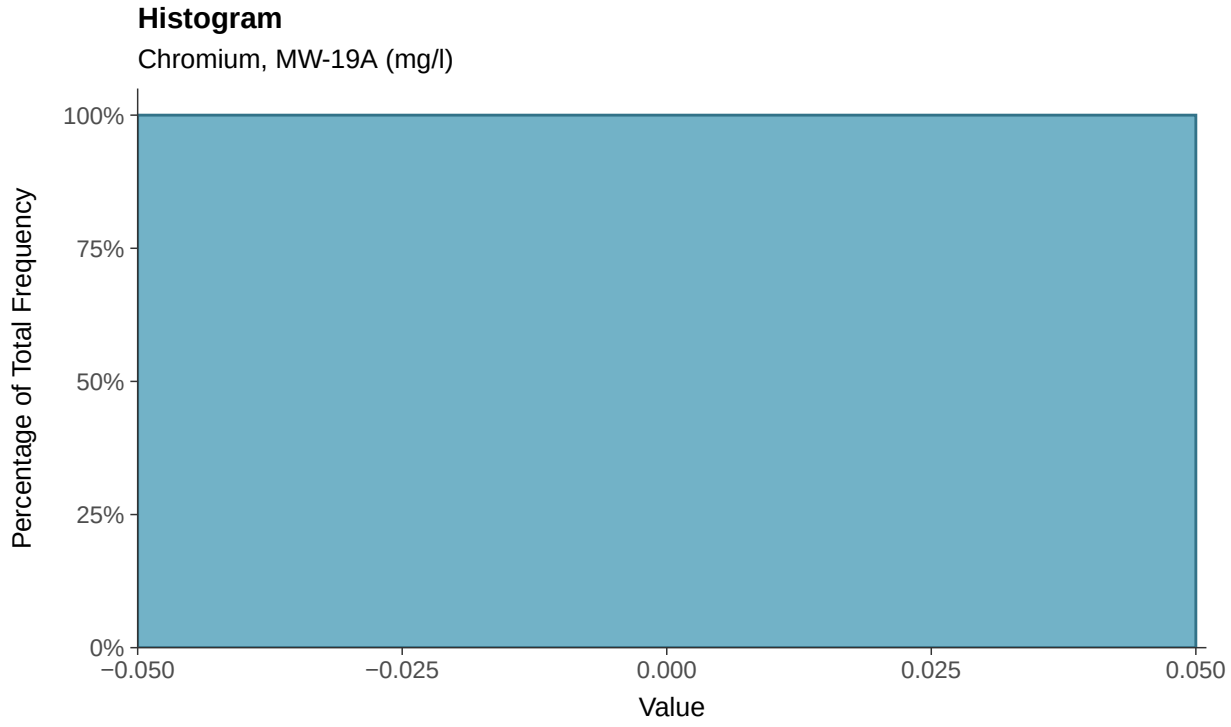
Cadmium, MW-19A (mg/l)



Appendix IV: Chromium, MW-19A

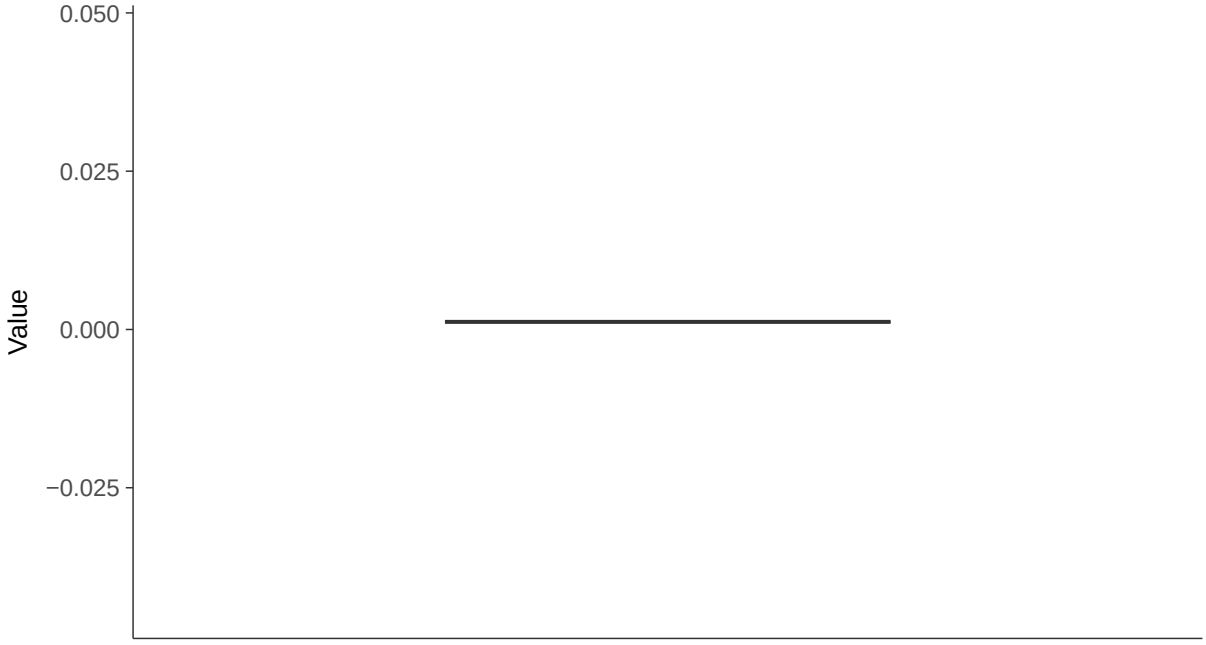
ID: 30_3_109





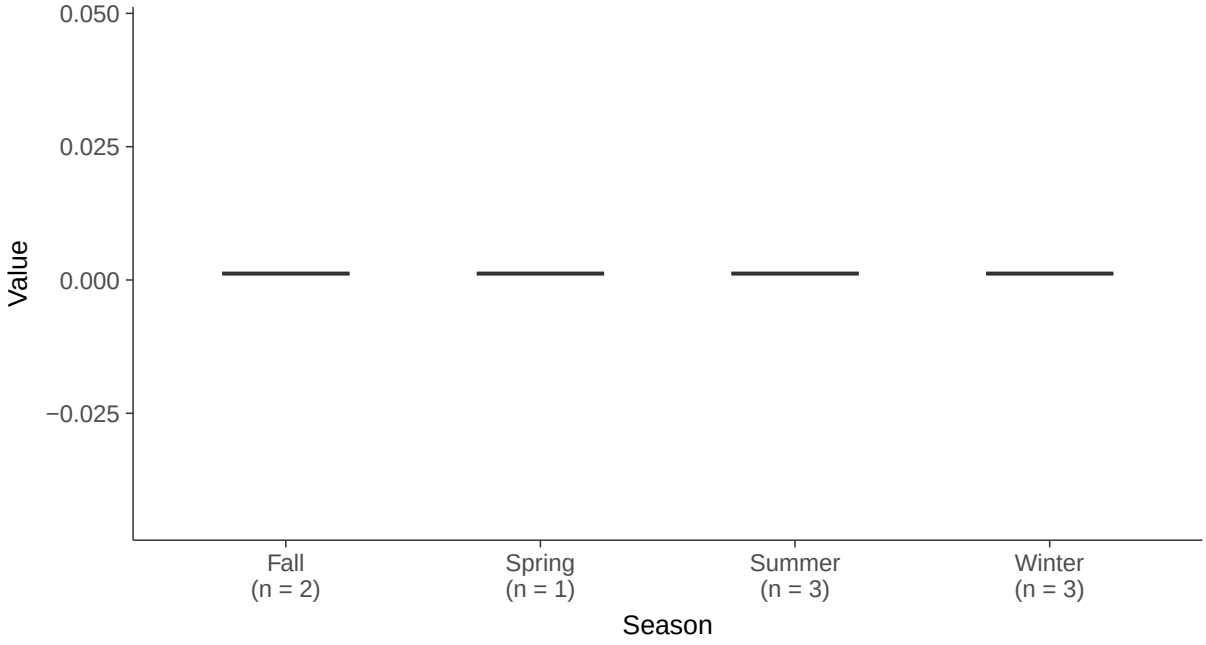
Boxplot

Chromium, MW-19A (mg/l)



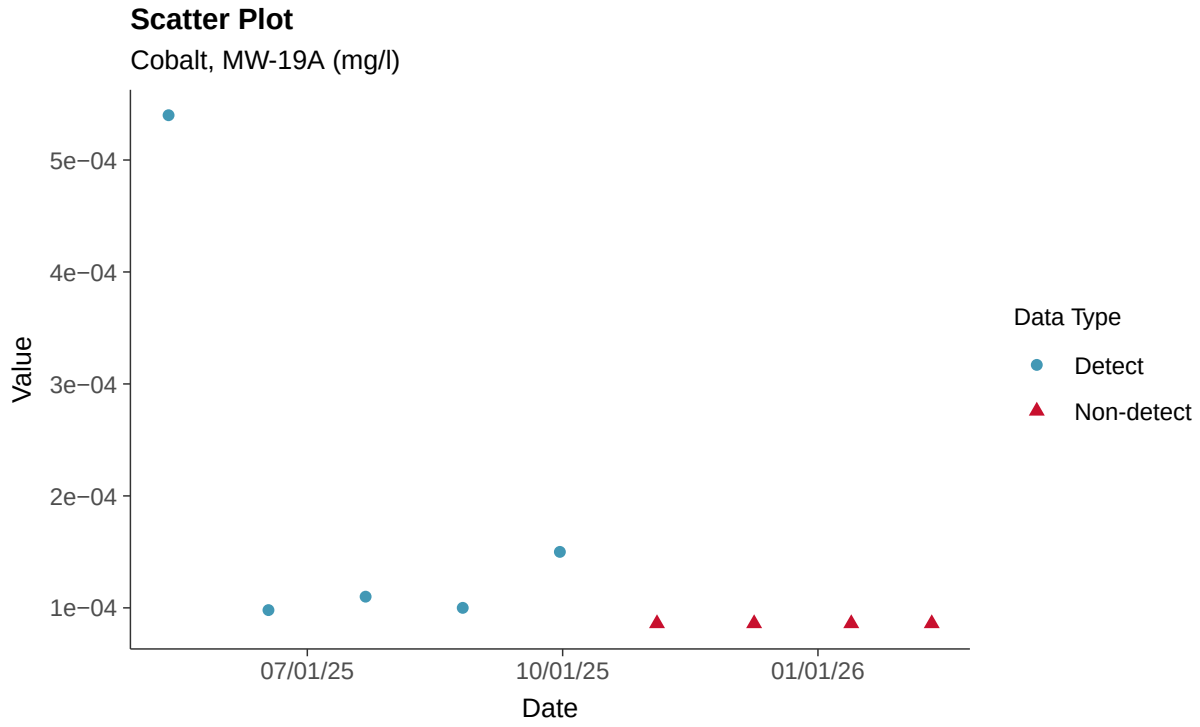
Boxplot by Season

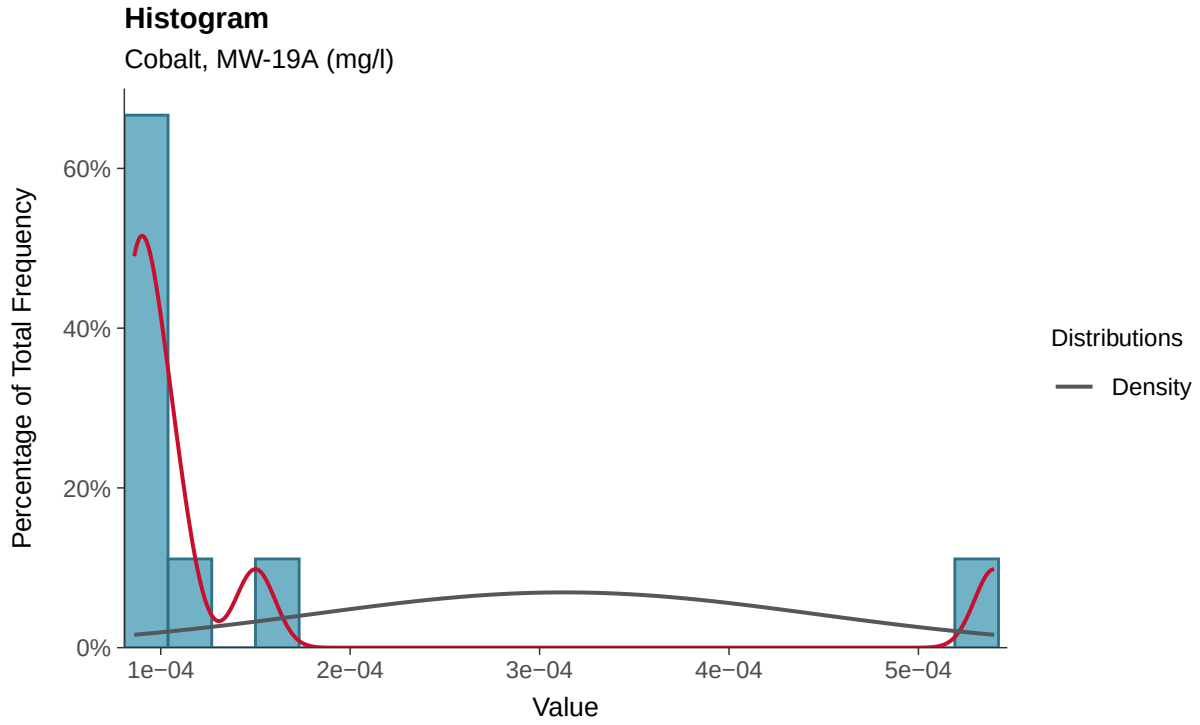
Chromium, MW-19A (mg/l)



Appendix IV: Cobalt, MW-19A

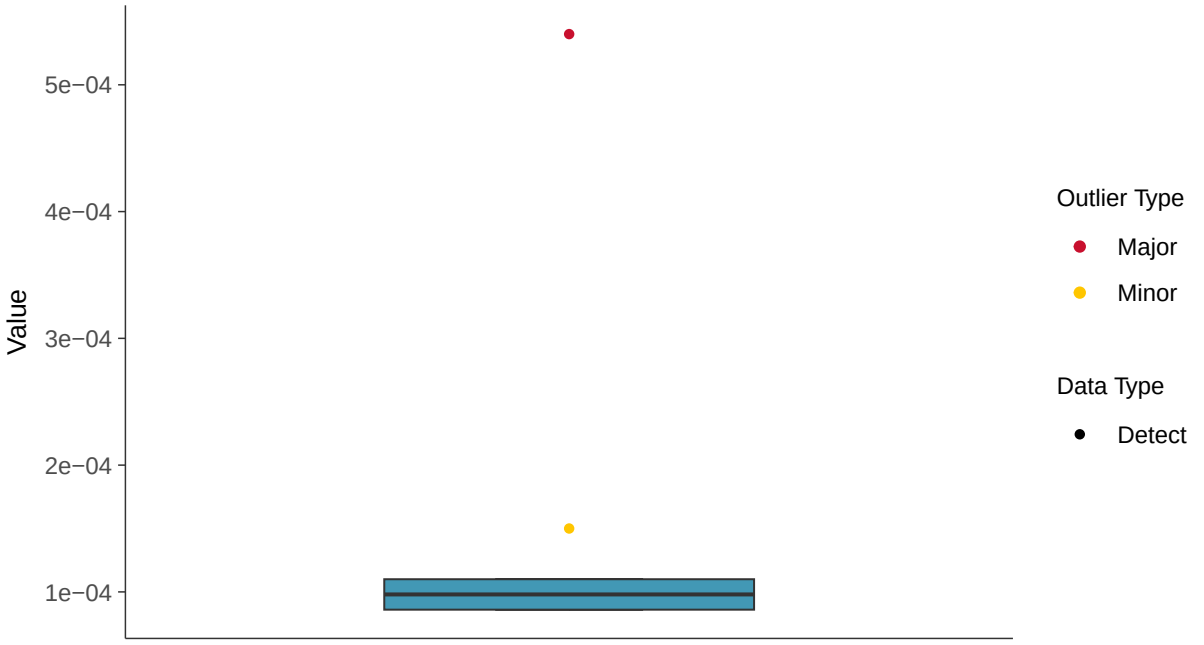
ID: 30_3_110





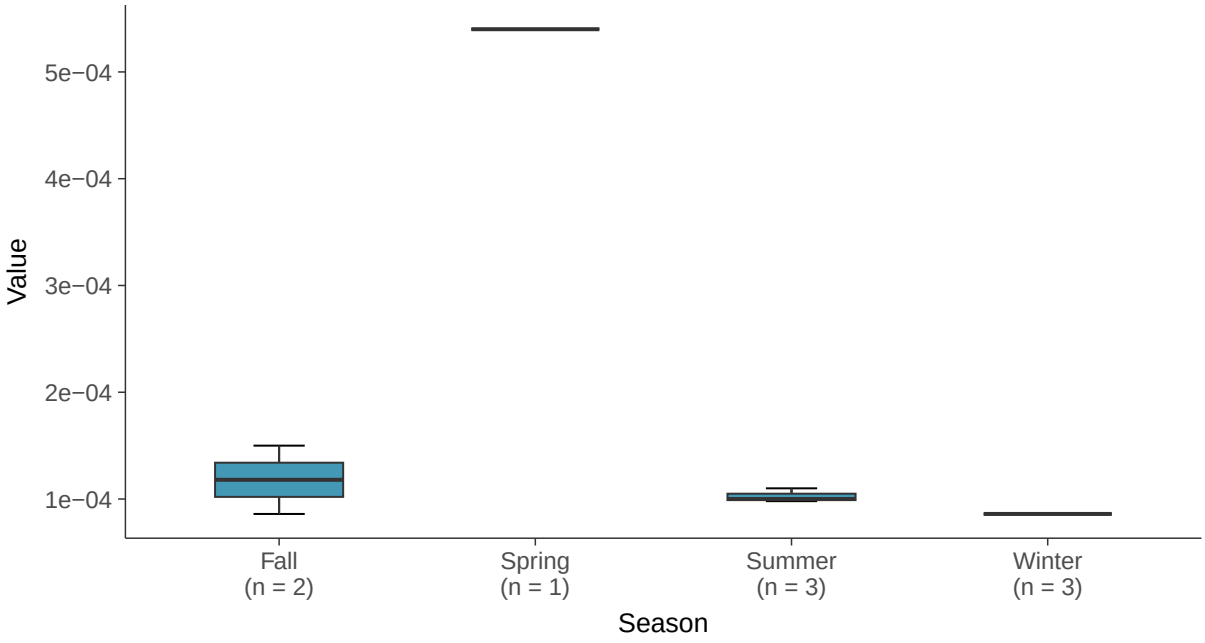
Boxplot

Cobalt, MW-19A (mg/l)



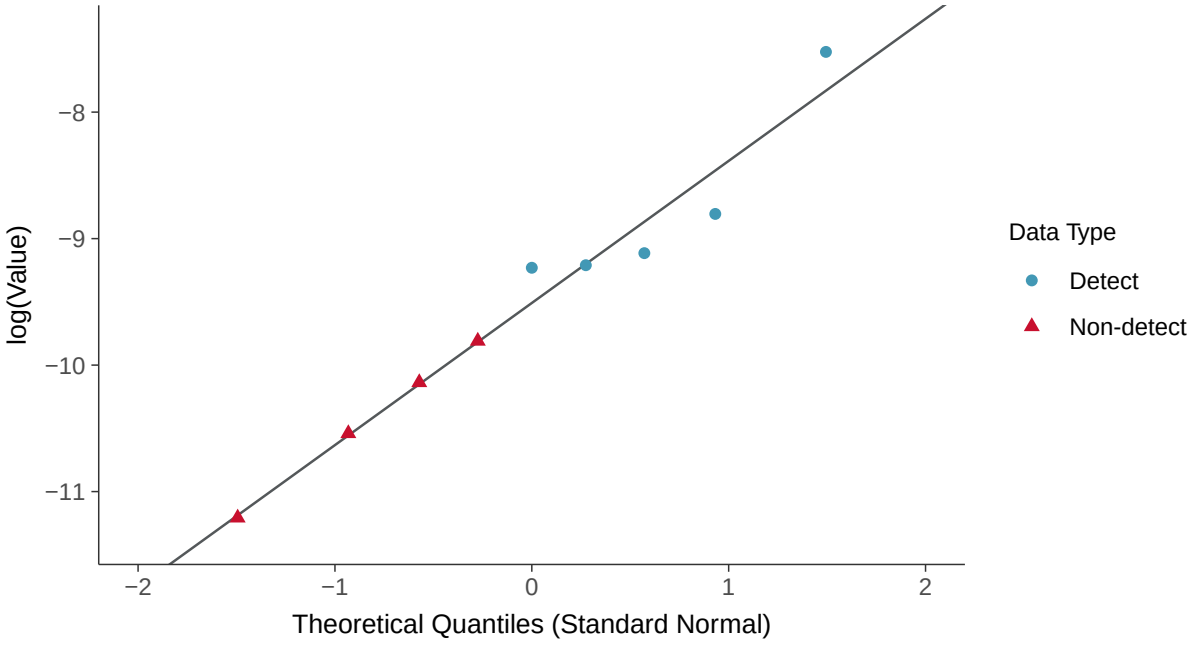
Boxplot by Season

Cobalt, MW-19A (mg/l)



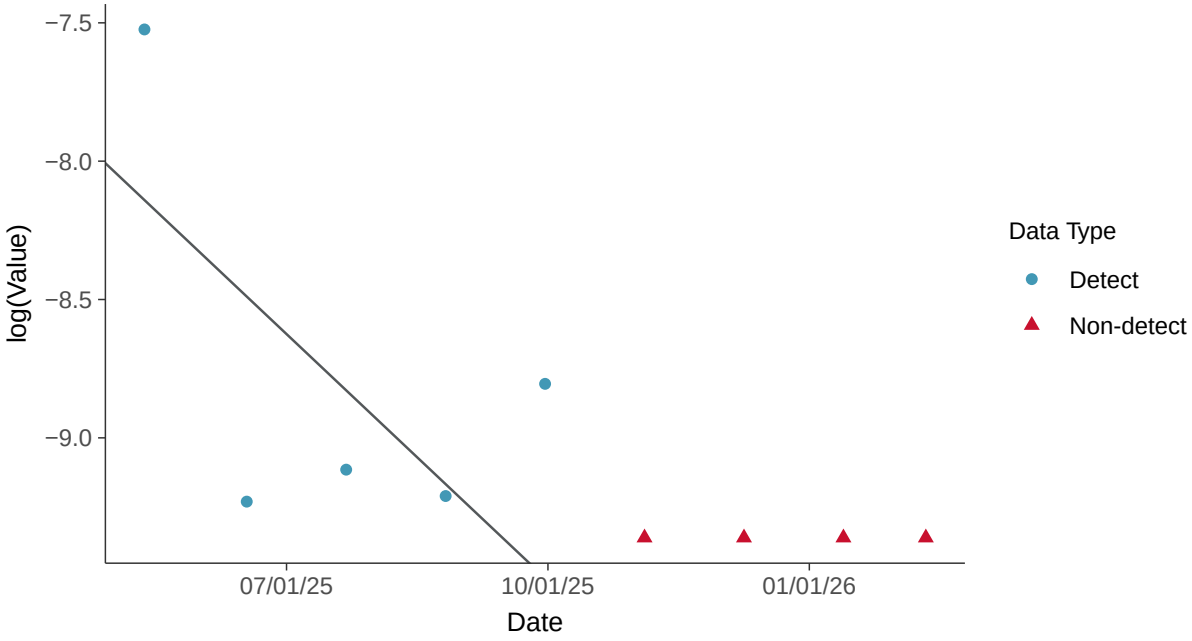
Lognormal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-19A (mg/l)



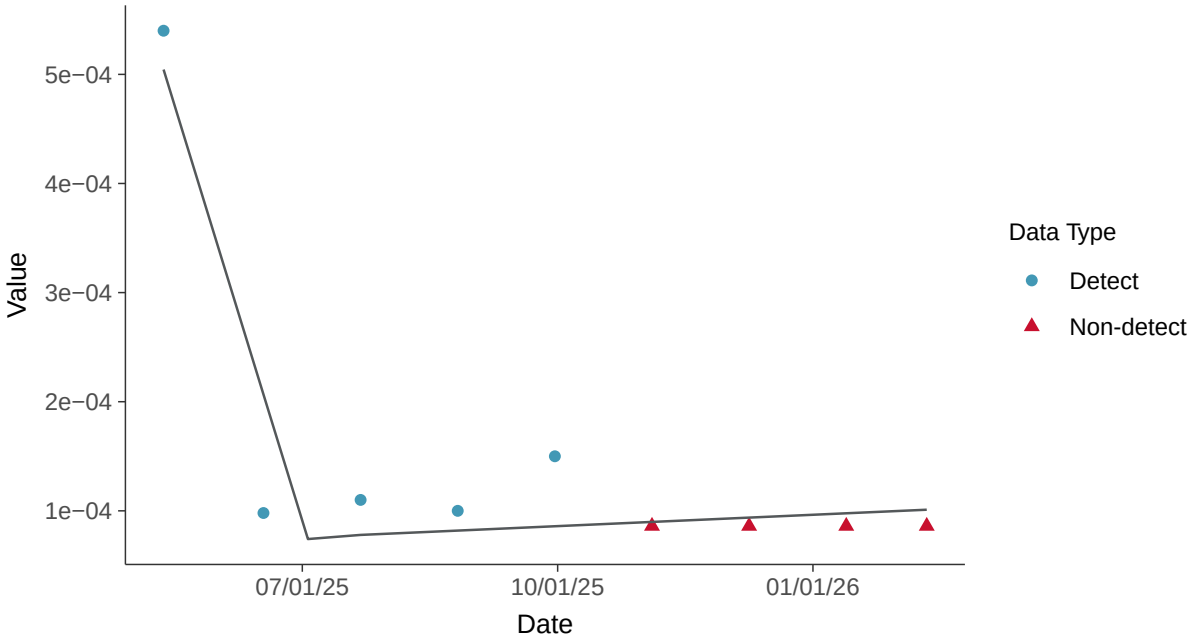
Trend Regression: Lognormal MLE

Cobalt, MW-19A (mg/l)



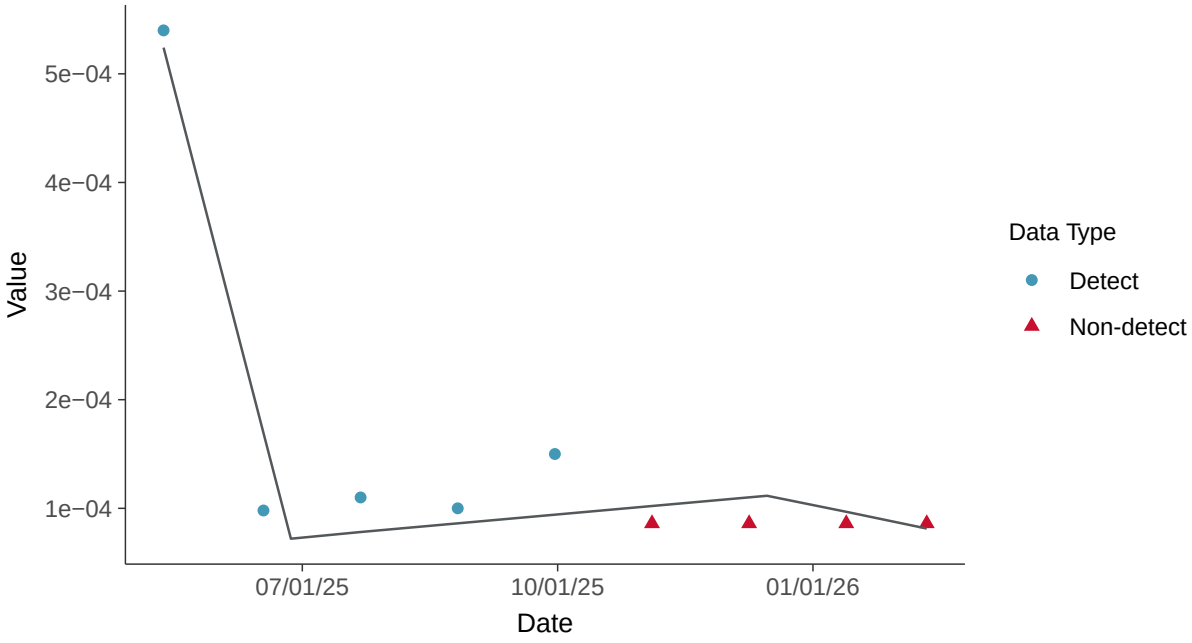
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-19A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Cobalt, MW-19A (mg/l)

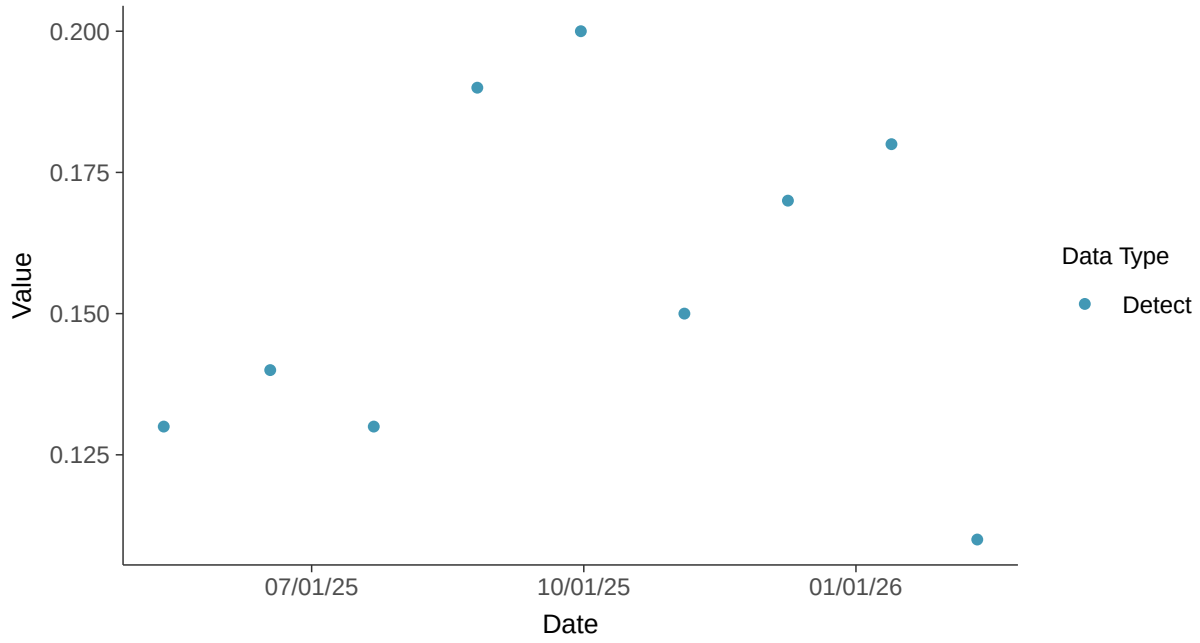


Appendix IV: Fluoride (App IV), MW-19A

ID: 30_3_113

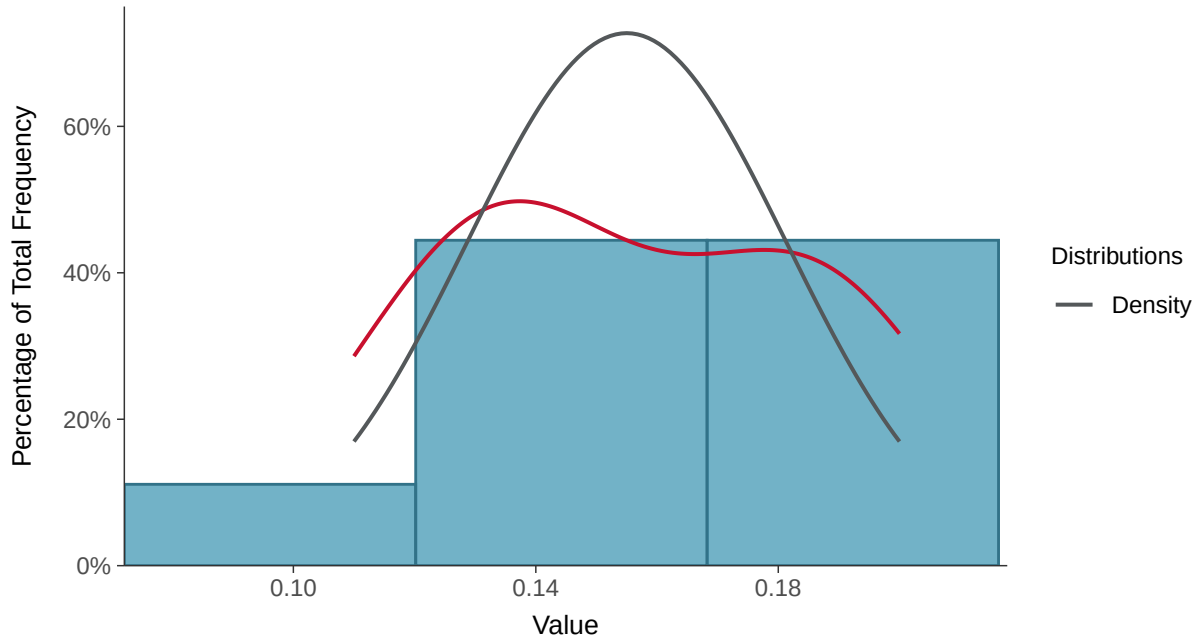
Scatter Plot

Fluoride (App IV), MW-19A (mg/l)



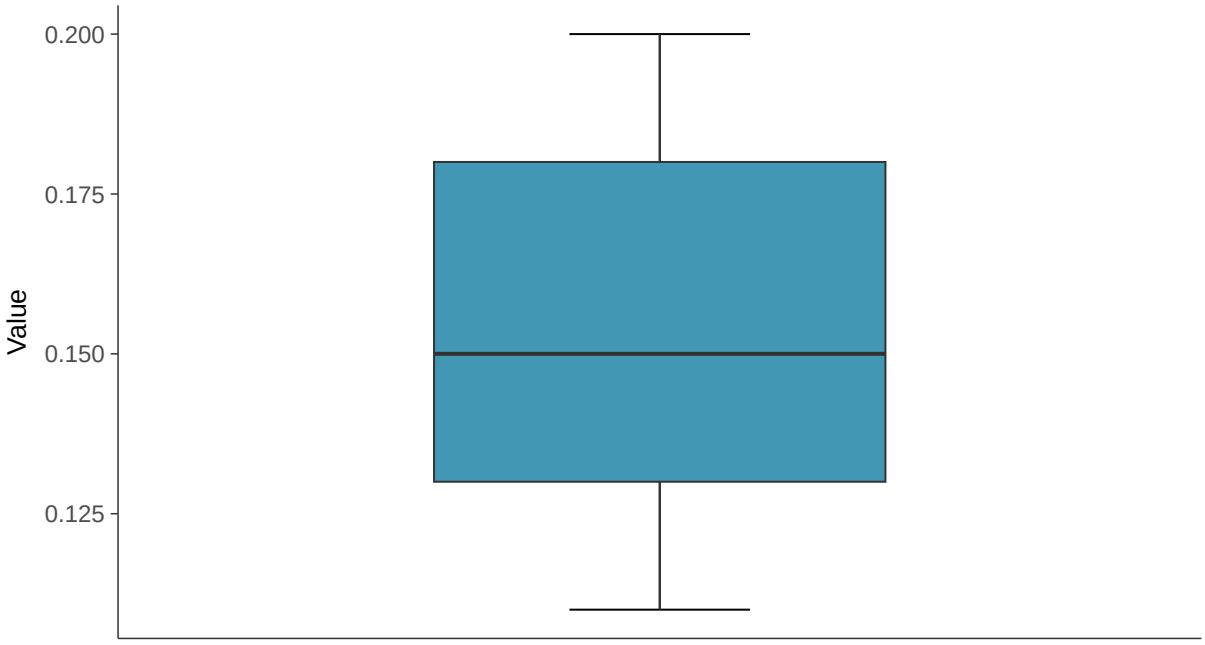
Histogram

Fluoride (App IV), MW-19A (mg/l)



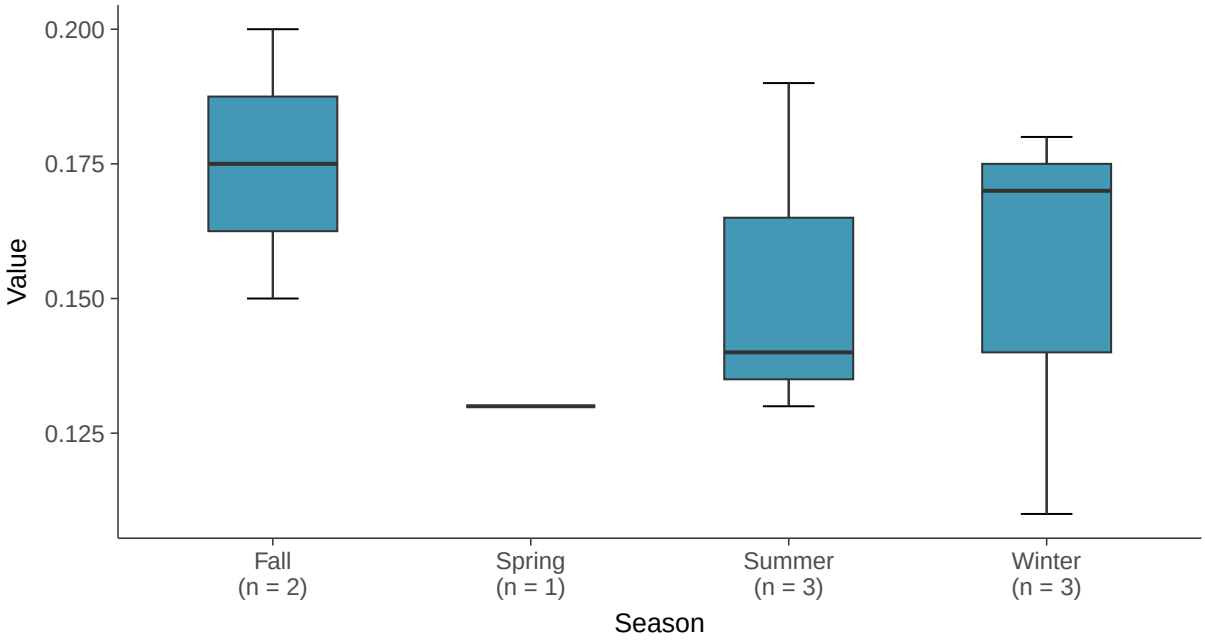
Boxplot

Fluoride (App IV), MW-19A (mg/l)



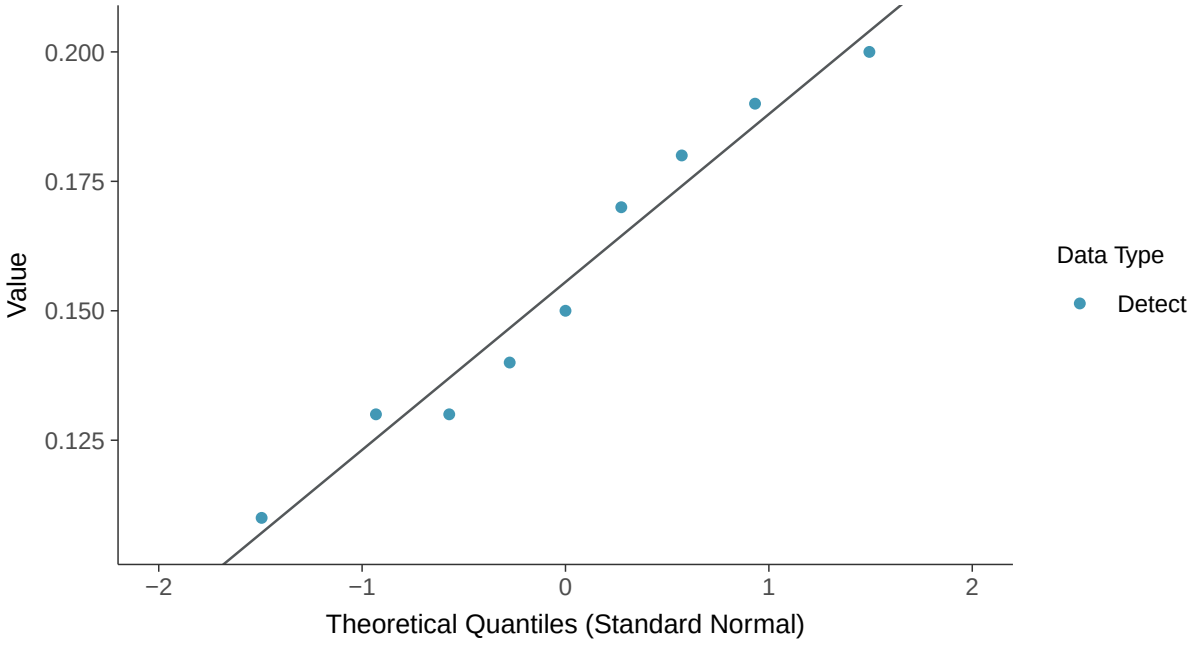
Boxplot by Season

Fluoride (App IV), MW-19A (mg/l)



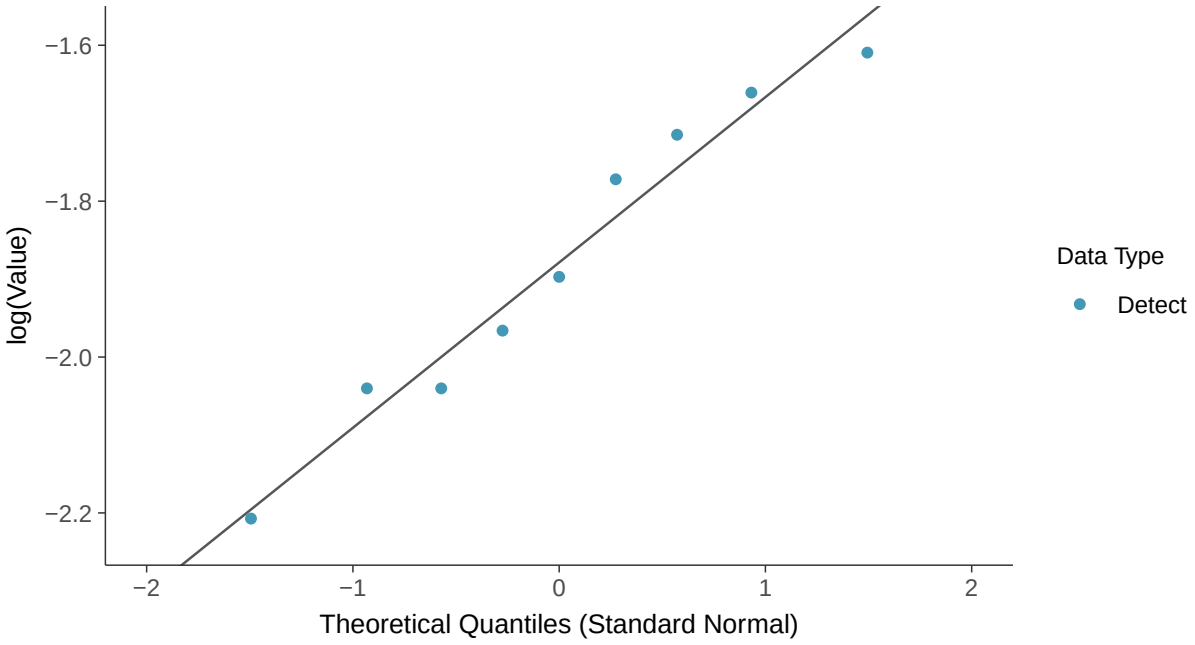
Normal Q-Q plot

Fluoride (App IV), MW-19A (mg/l)



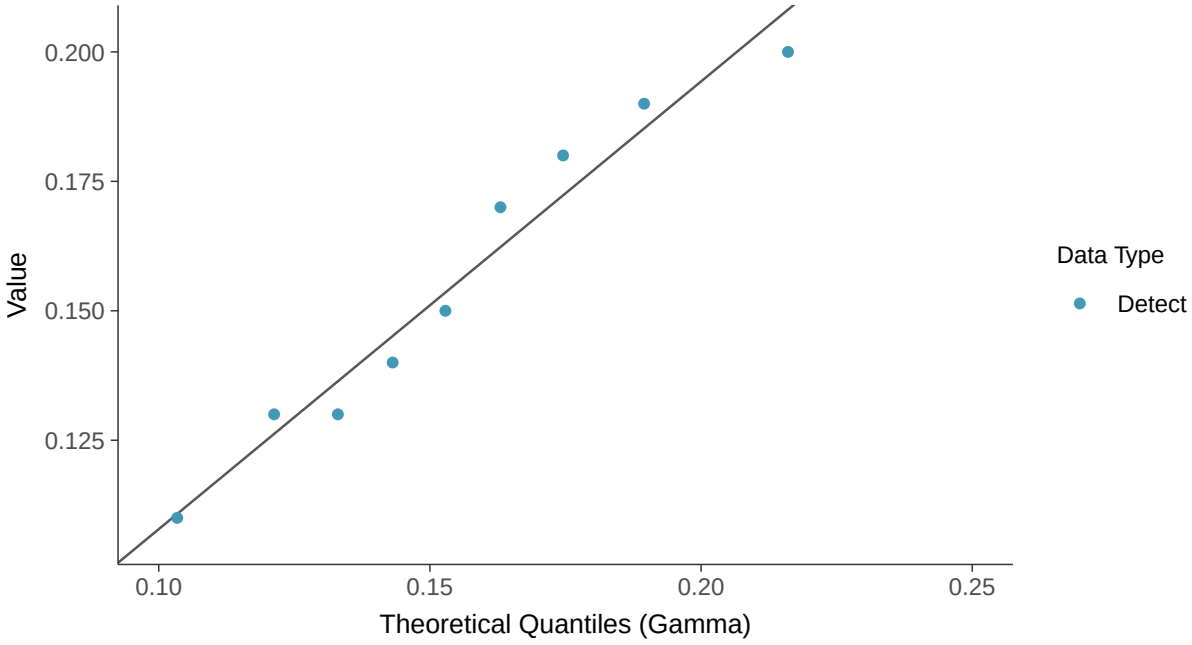
Lognormal Q-Q plot

Fluoride (App IV), MW-19A (mg/l)



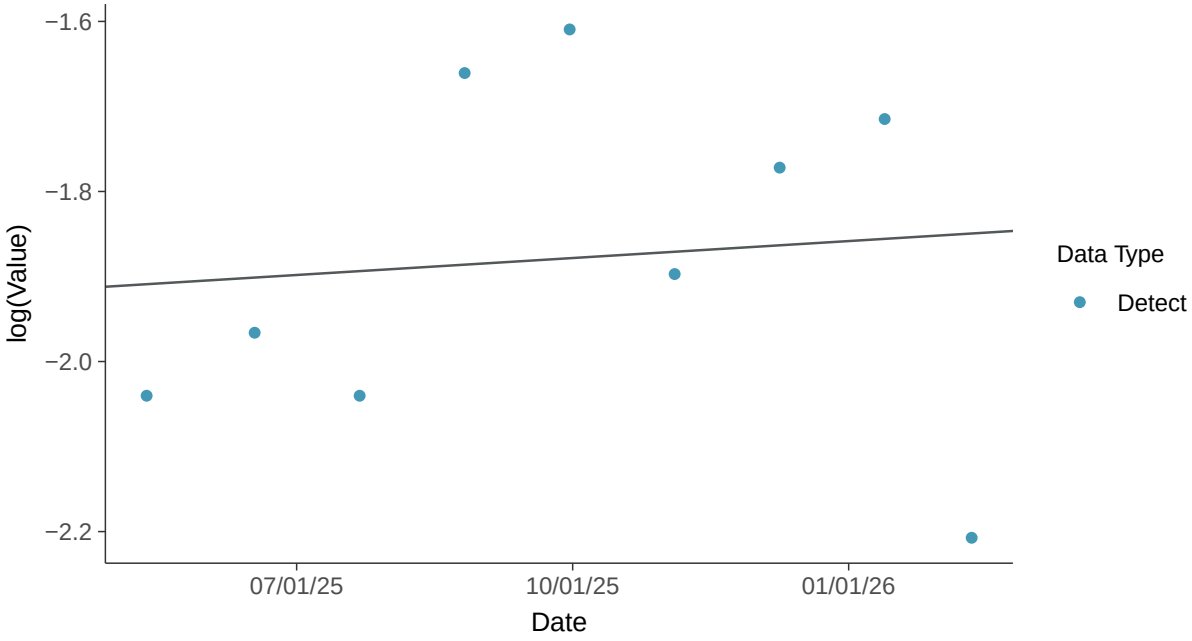
Gamma Q-Q plot

Fluoride (App IV), MW-19A (mg/l)



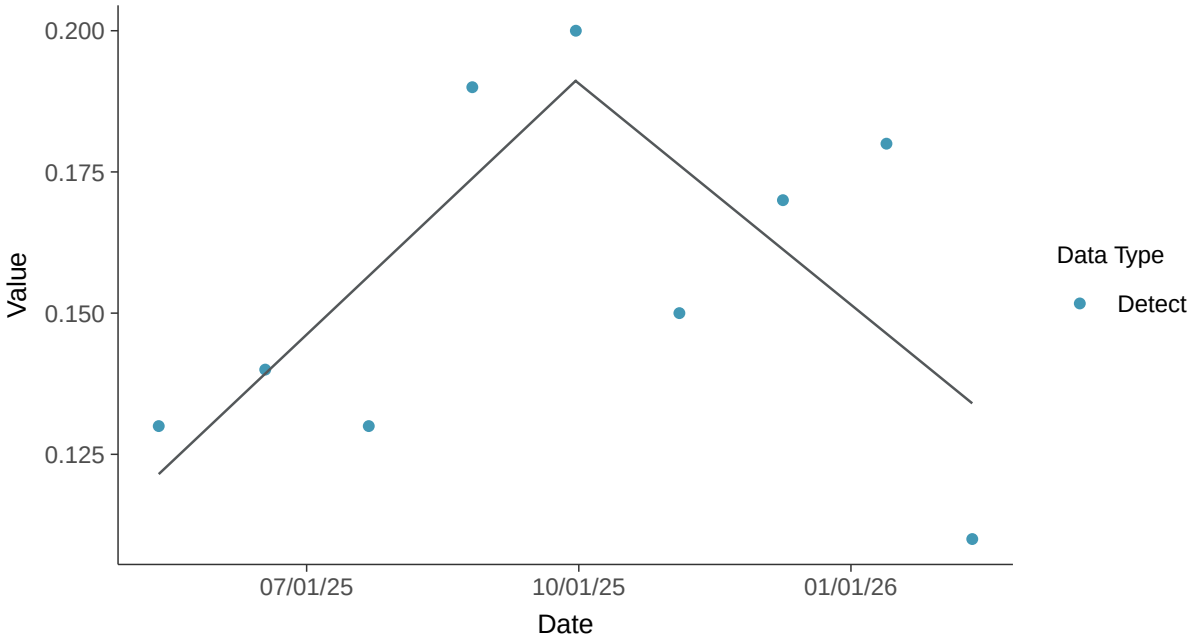
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-19A (mg/l)



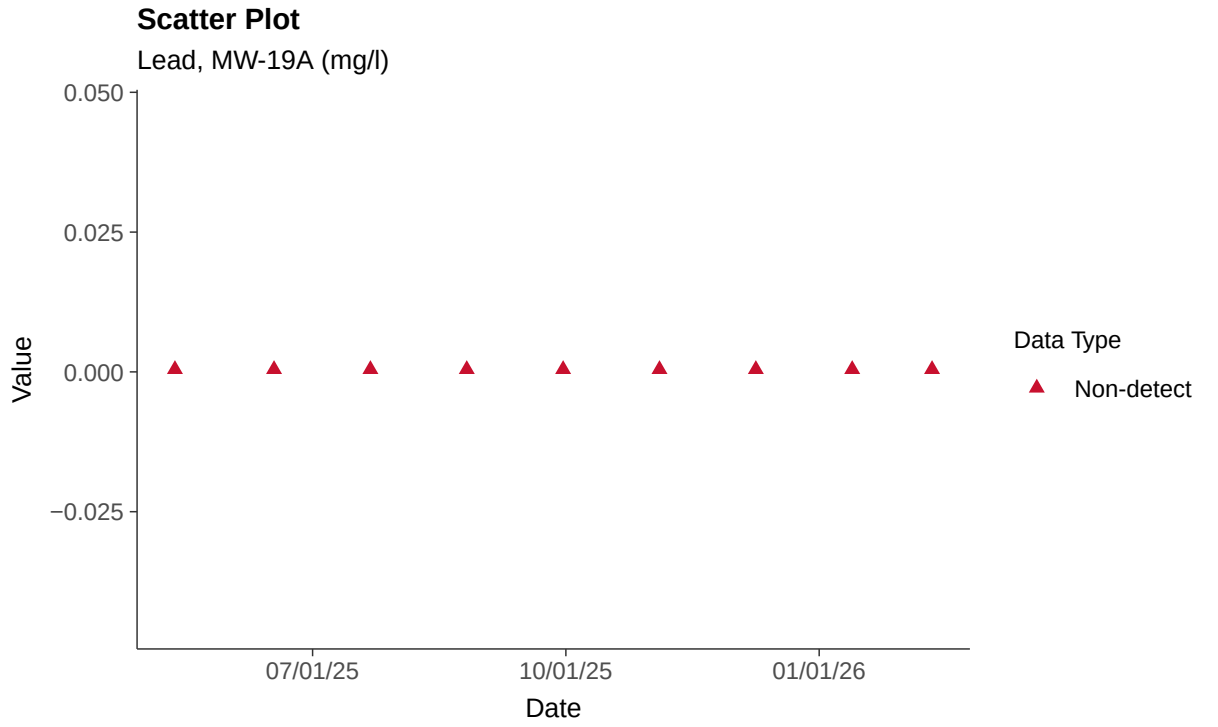
Trend Regression: Piecewise Linear-Linear

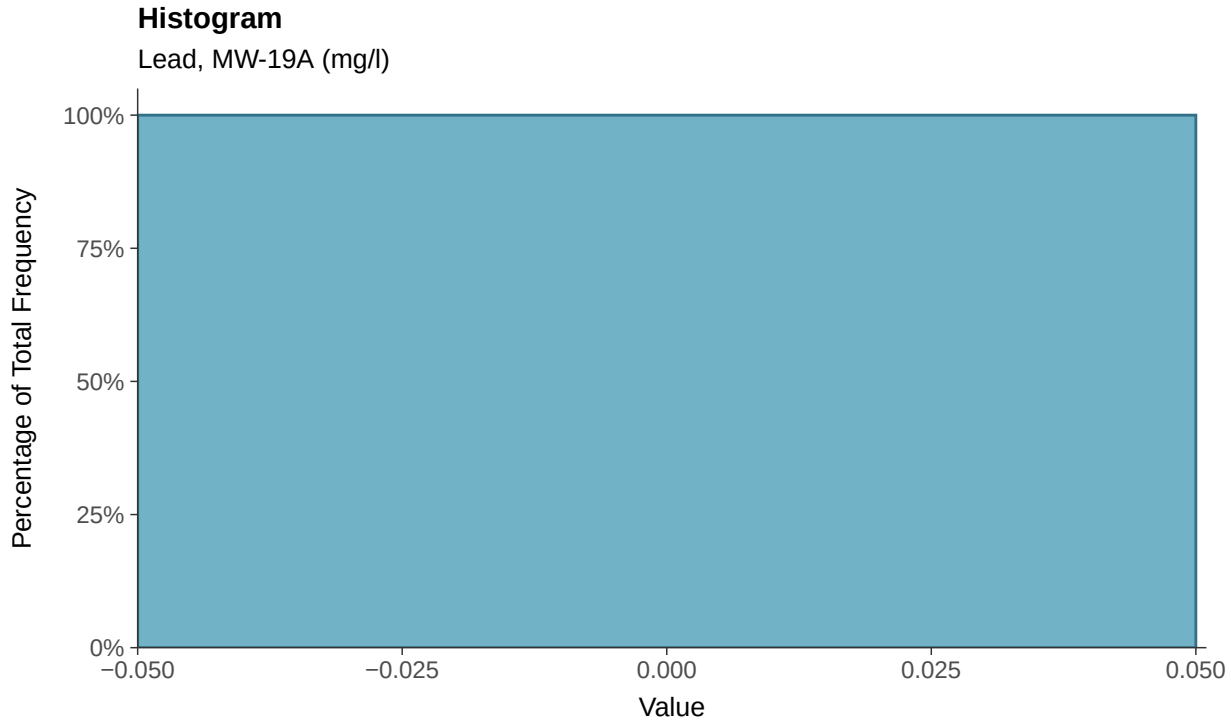
Fluoride (App IV), MW-19A (mg/l)



Appendix IV: Lead, MW-19A

ID: 30_3_115



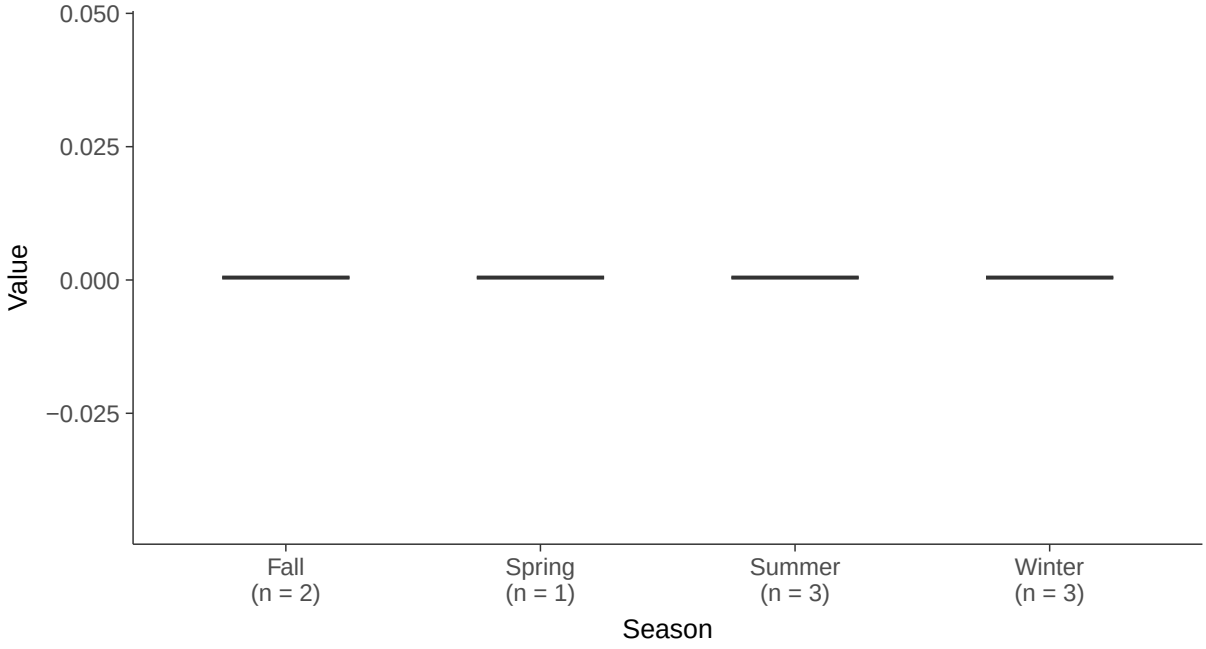


Boxplot

Lead, MW-19A (mg/l)

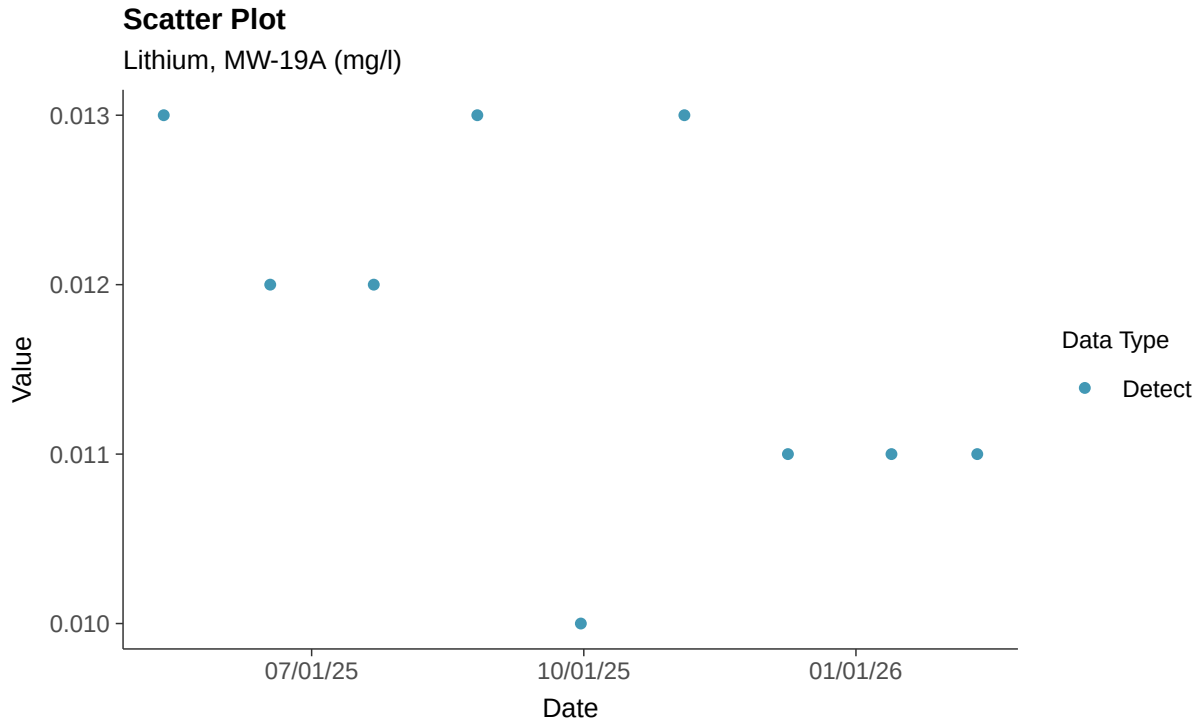
Boxplot by Season

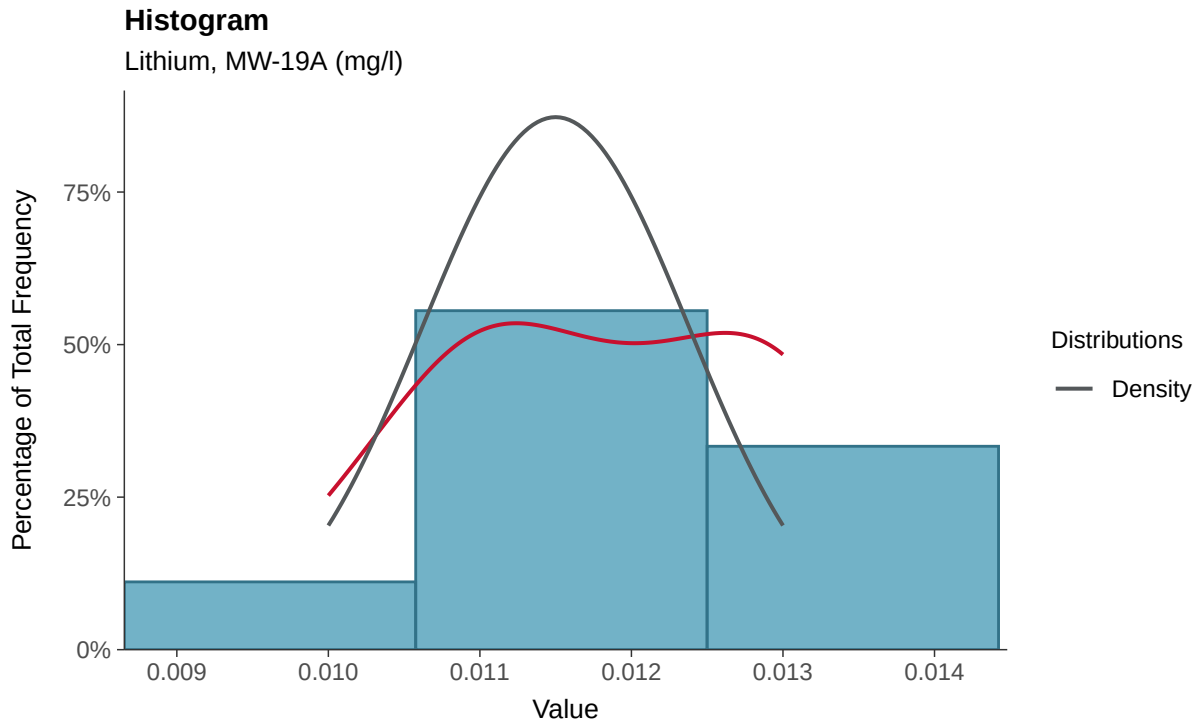
Lead, MW-19A (mg/l)



Appendix IV: Lithium, MW-19A

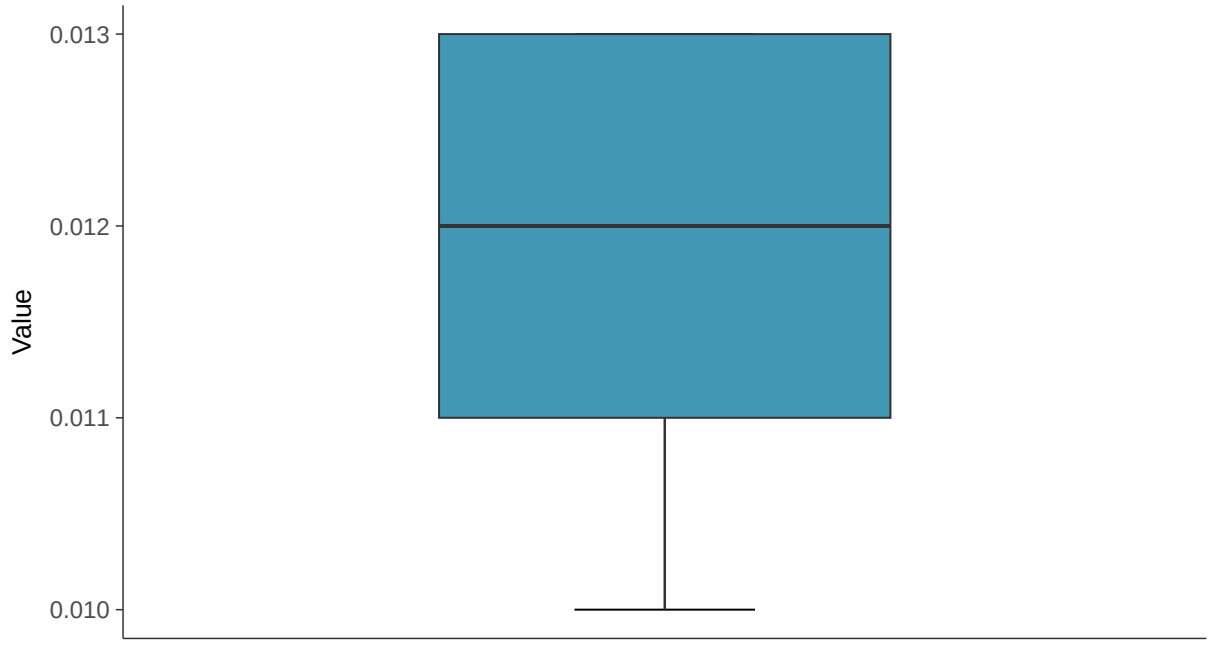
ID: 30_3_116





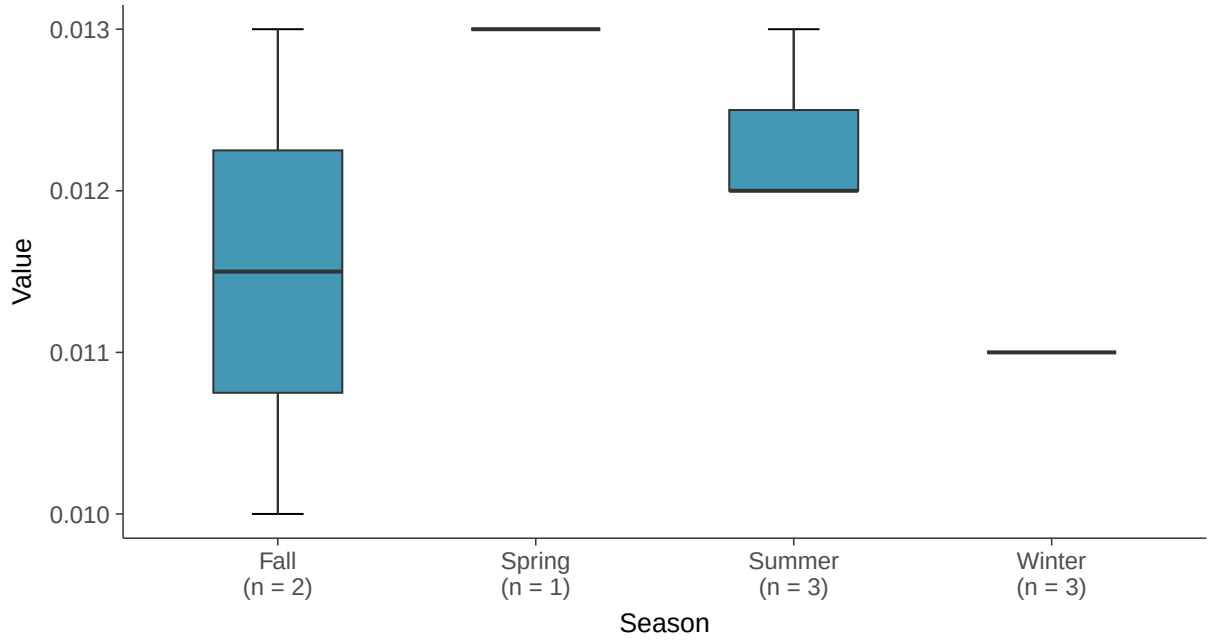
Boxplot

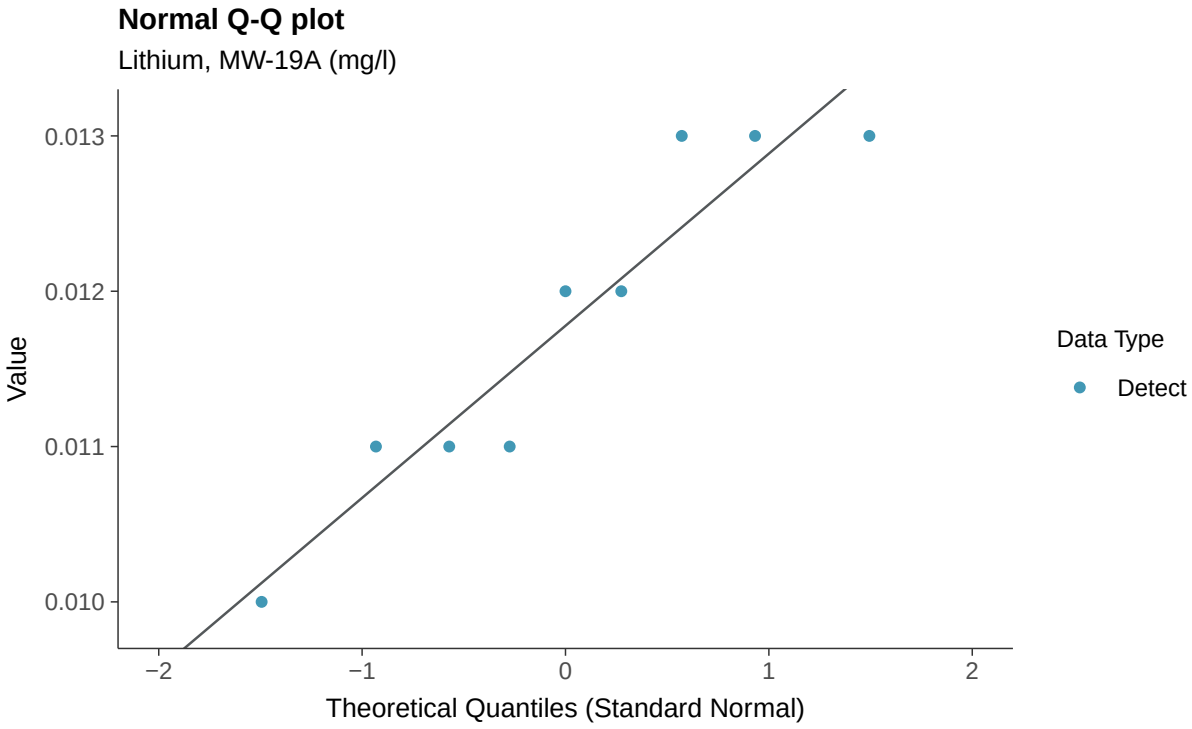
Lithium, MW-19A (mg/l)

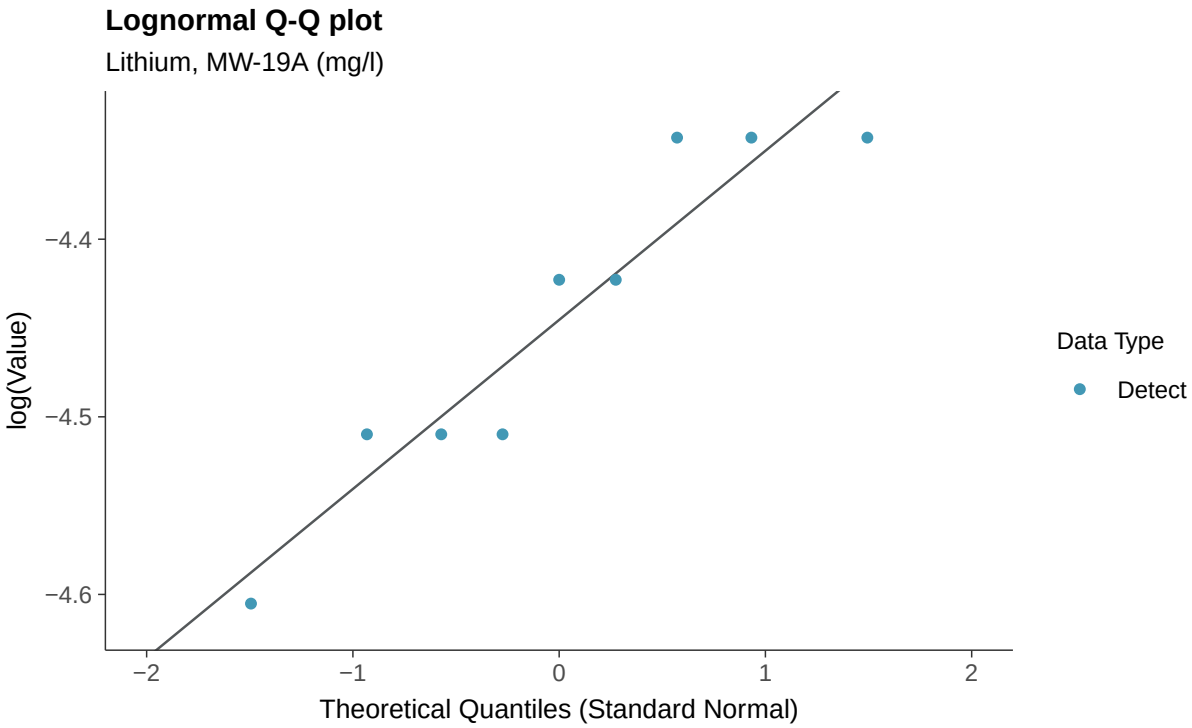


Boxplot by Season

Lithium, MW-19A (mg/l)

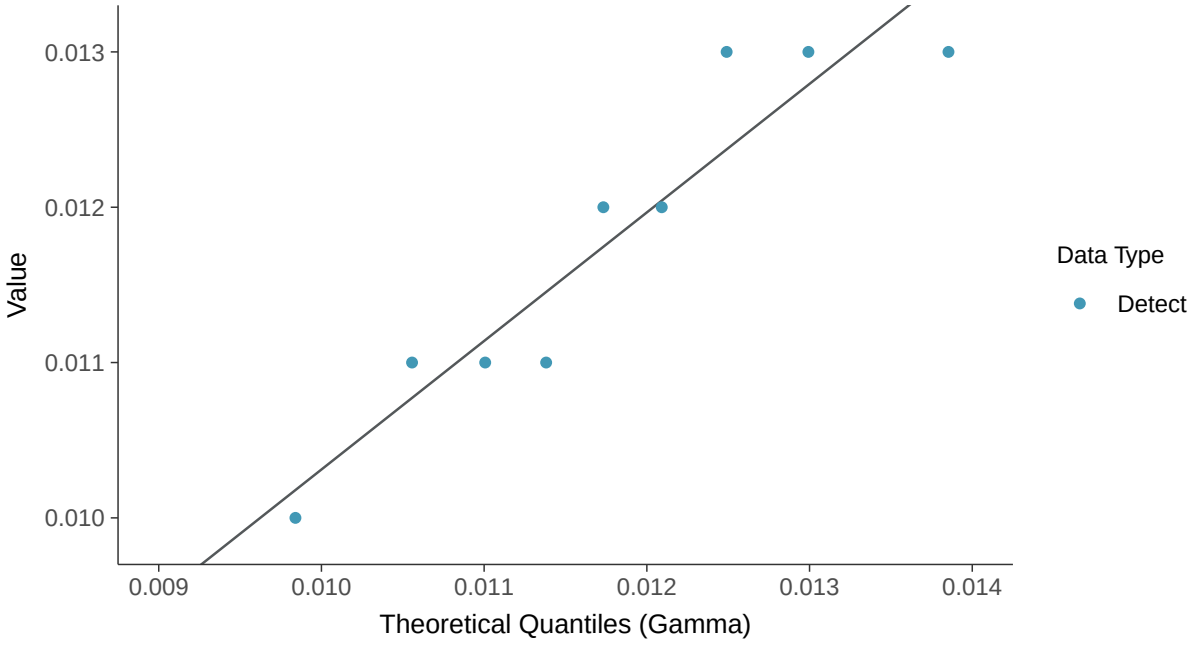



Normal Q-Q plot
Lithium, MW-19A (mg/l)
Value
0.013
0.012
0.011
0.010
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Lithium, MW-19A (mg/l)
log(Value)
−4.4
−4.5
−4.6
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

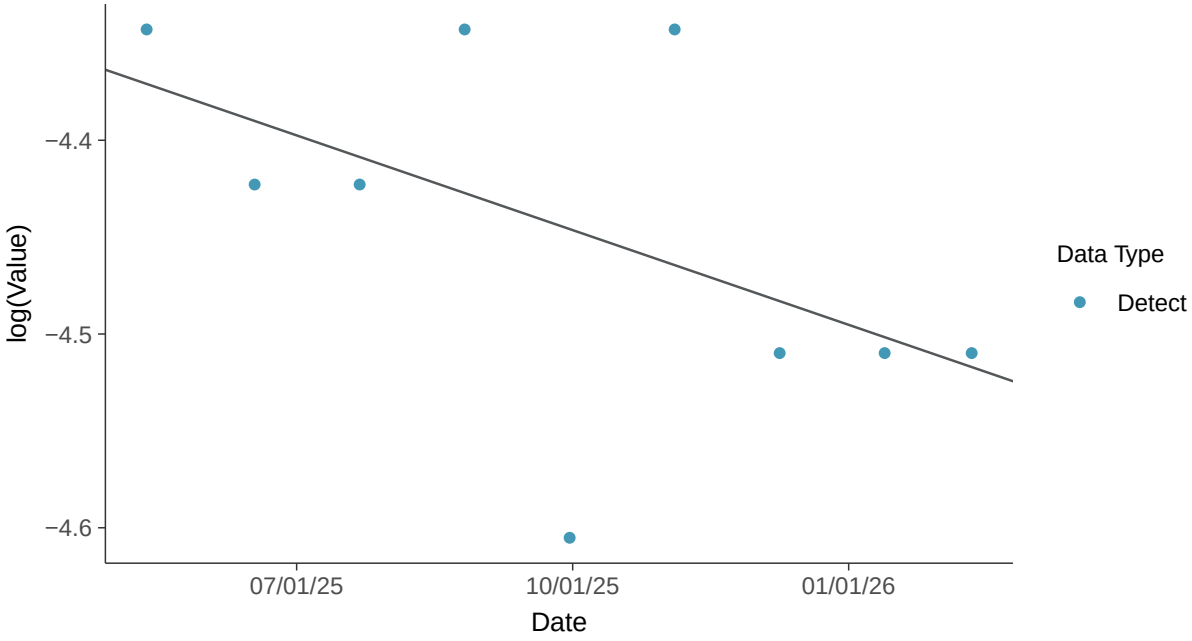
Gamma Q-Q plot

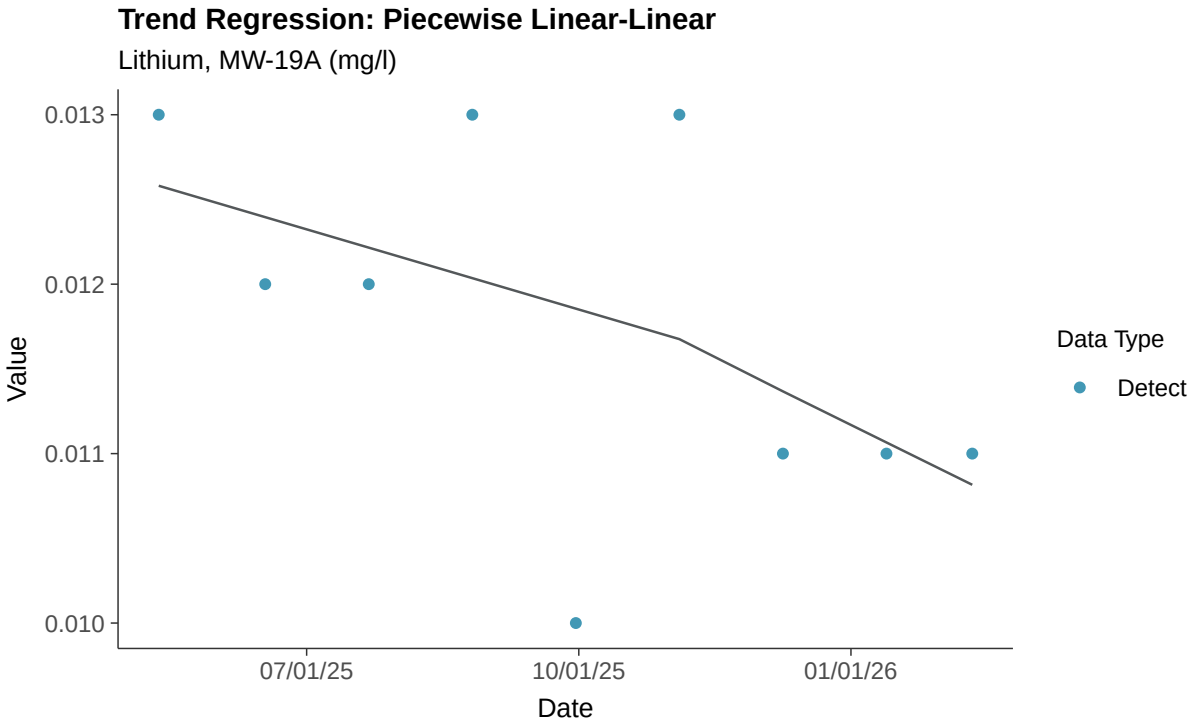
Lithium, MW-19A (mg/l)



Trend Regression: Lognormal MLE

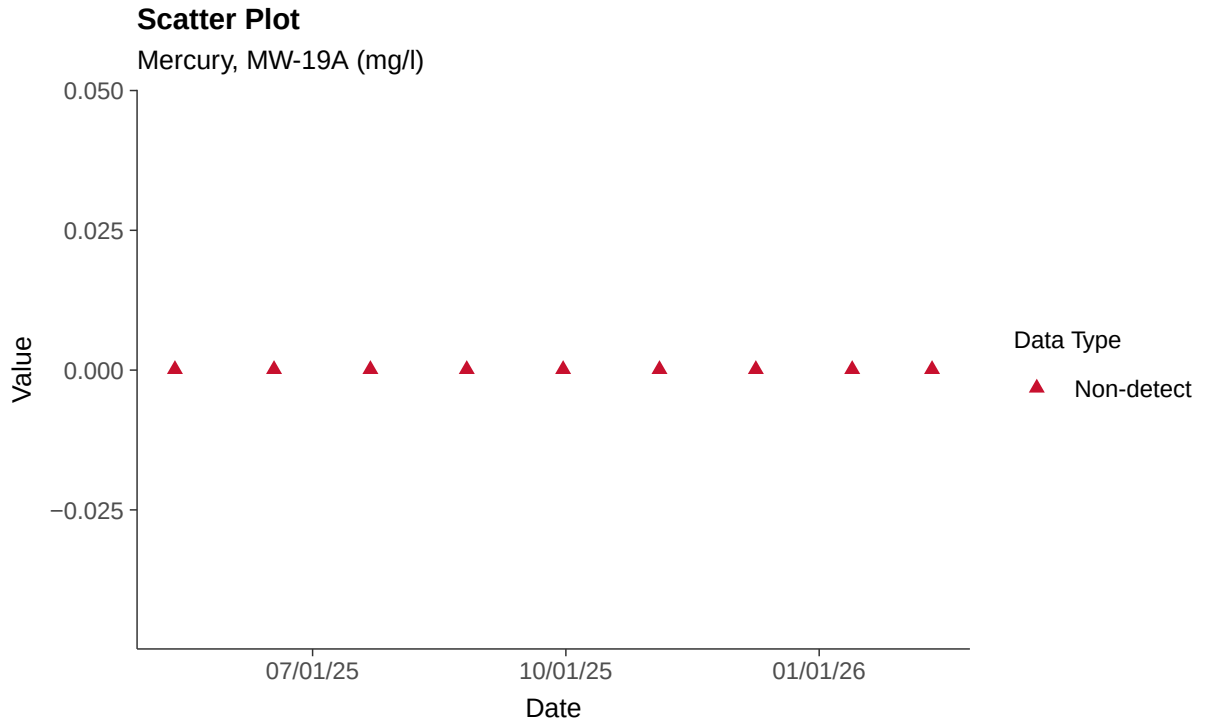
Lithium, MW-19A (mg/l)

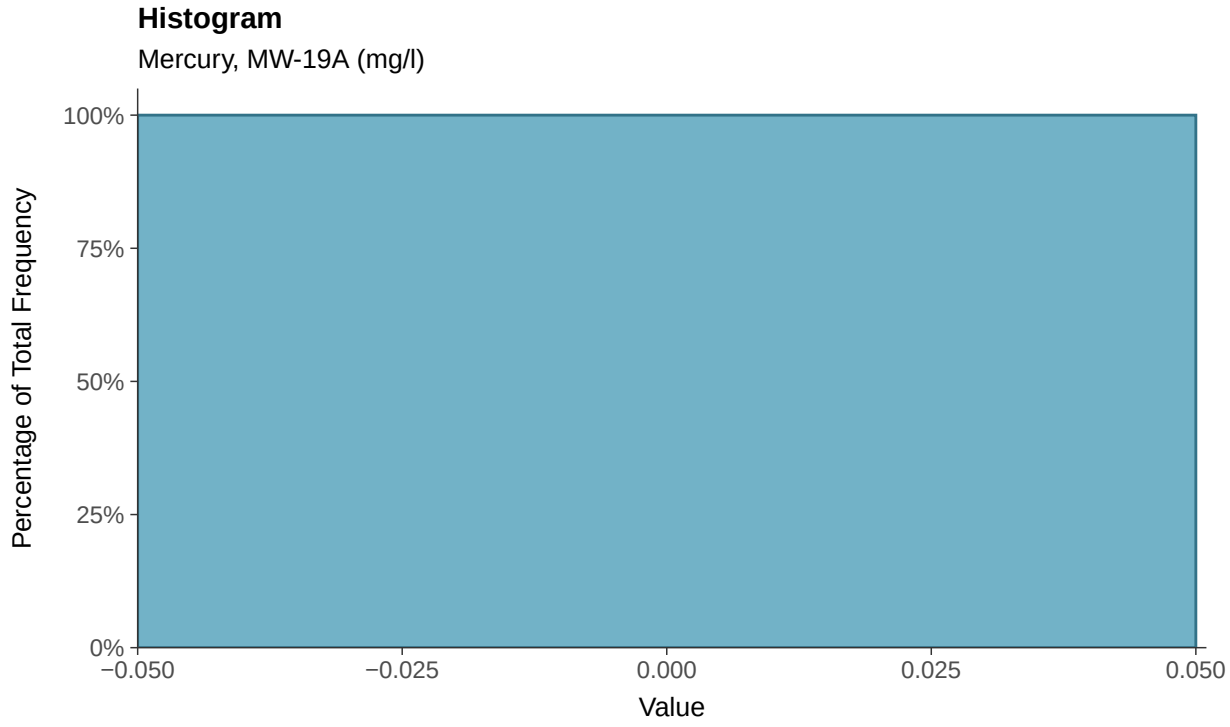



Trend Regression: Piecewise Linear-Linear
Lithium, MW-19A (mg/l)
0.013
0.012
0.011
0.010
Value
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Mercury, MW-19A

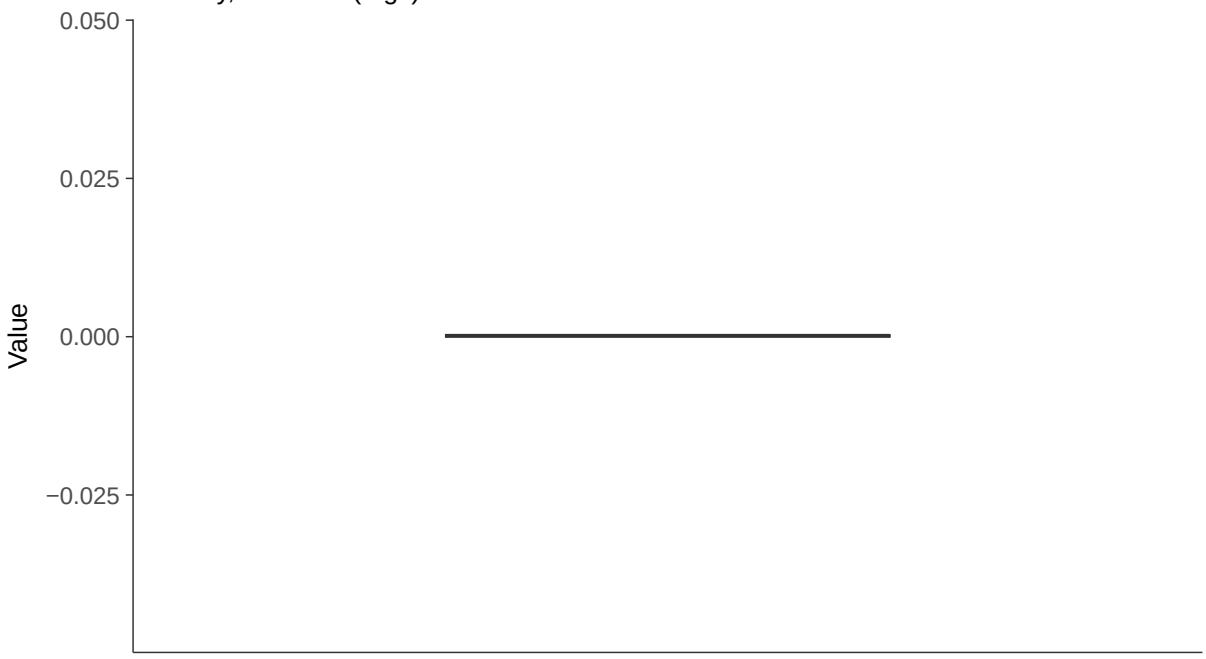
ID: 30_3_117





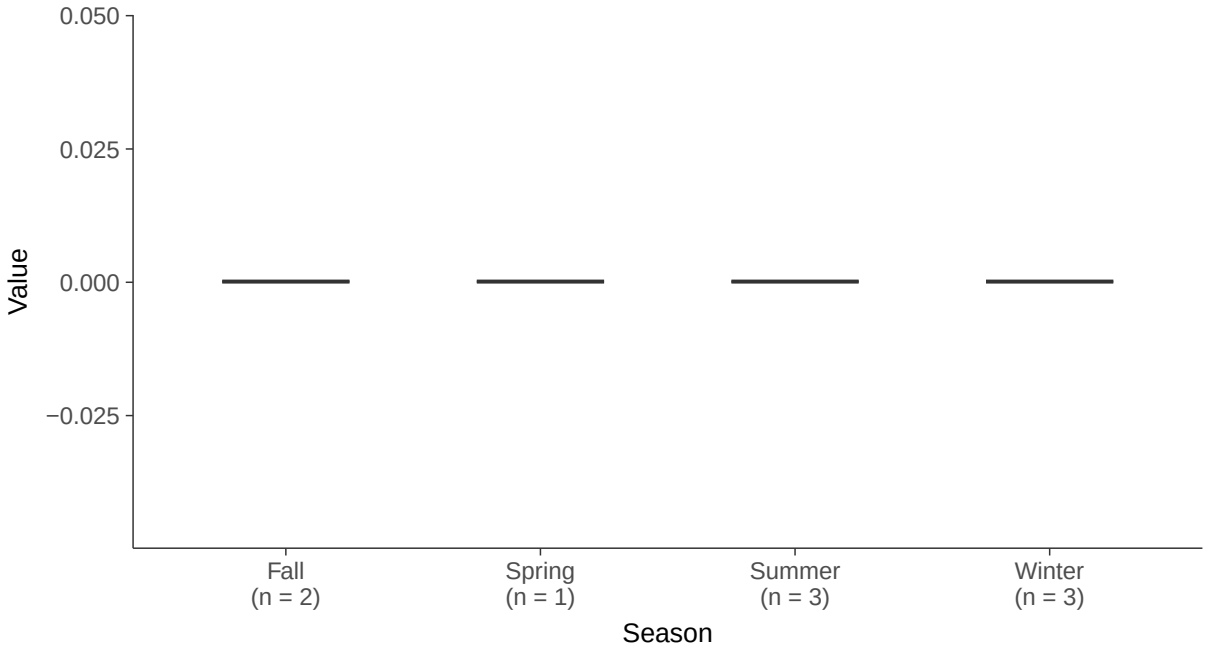
Boxplot

Mercury, MW-19A (mg/l)



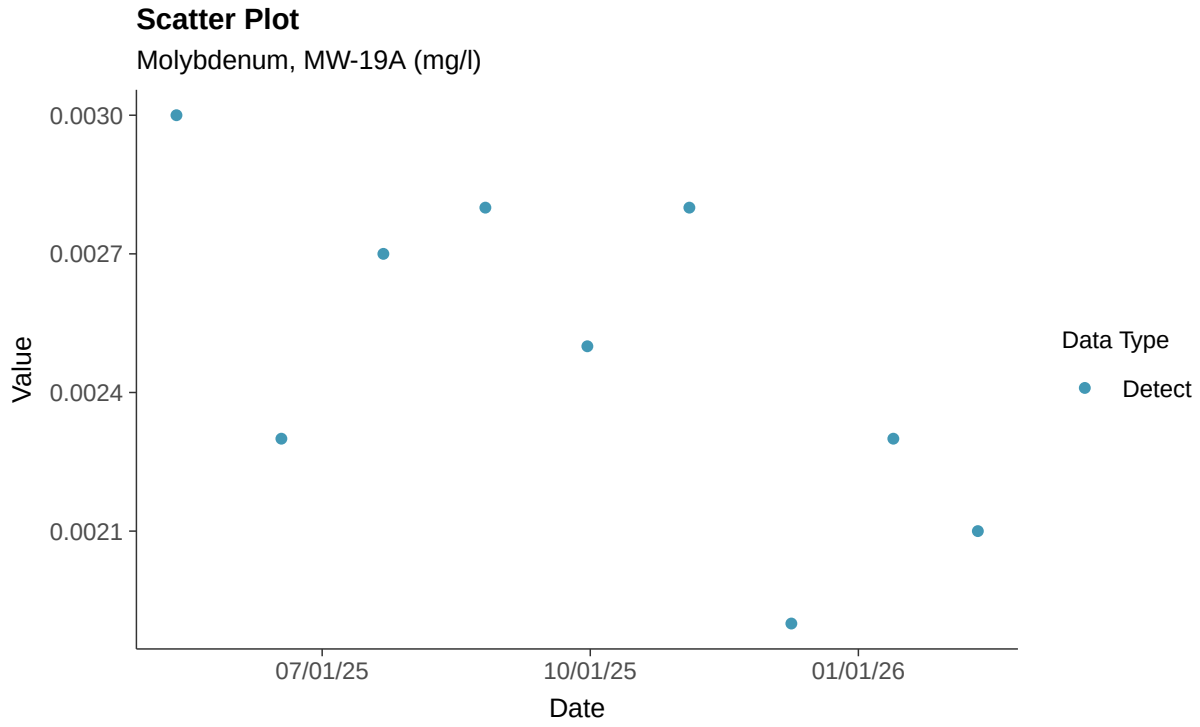
Boxplot by Season

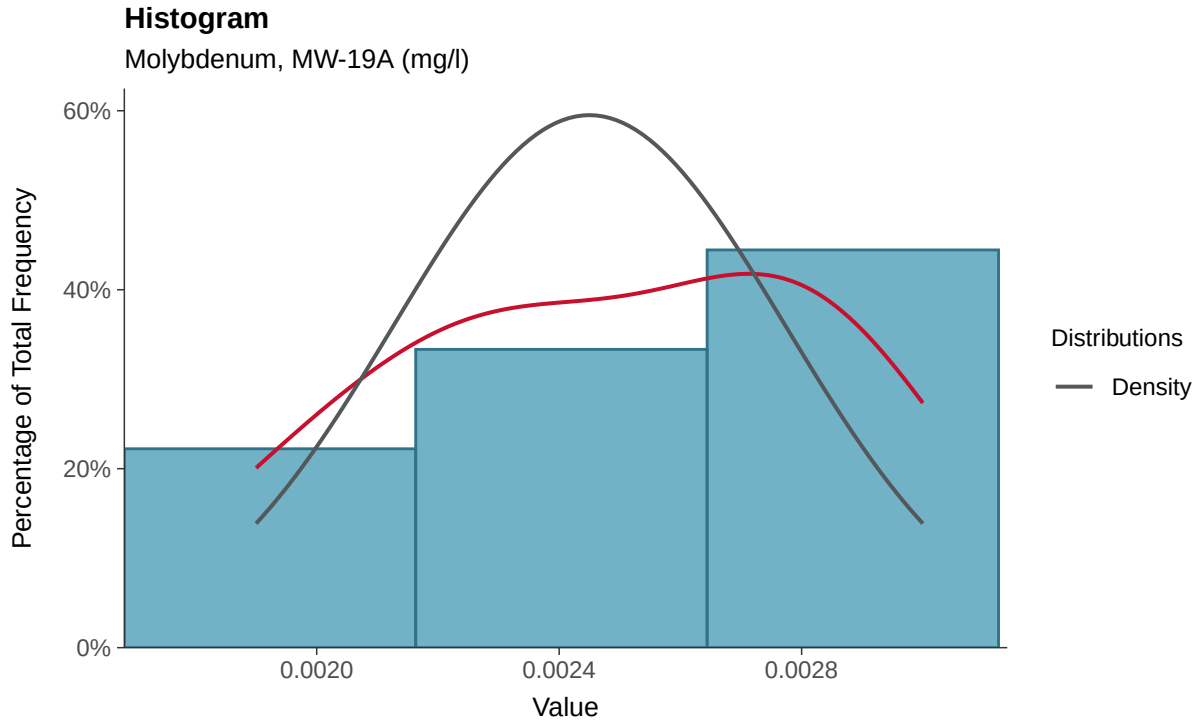
Mercury, MW-19A (mg/l)



Appendix IV: Molybdenum, MW-19A

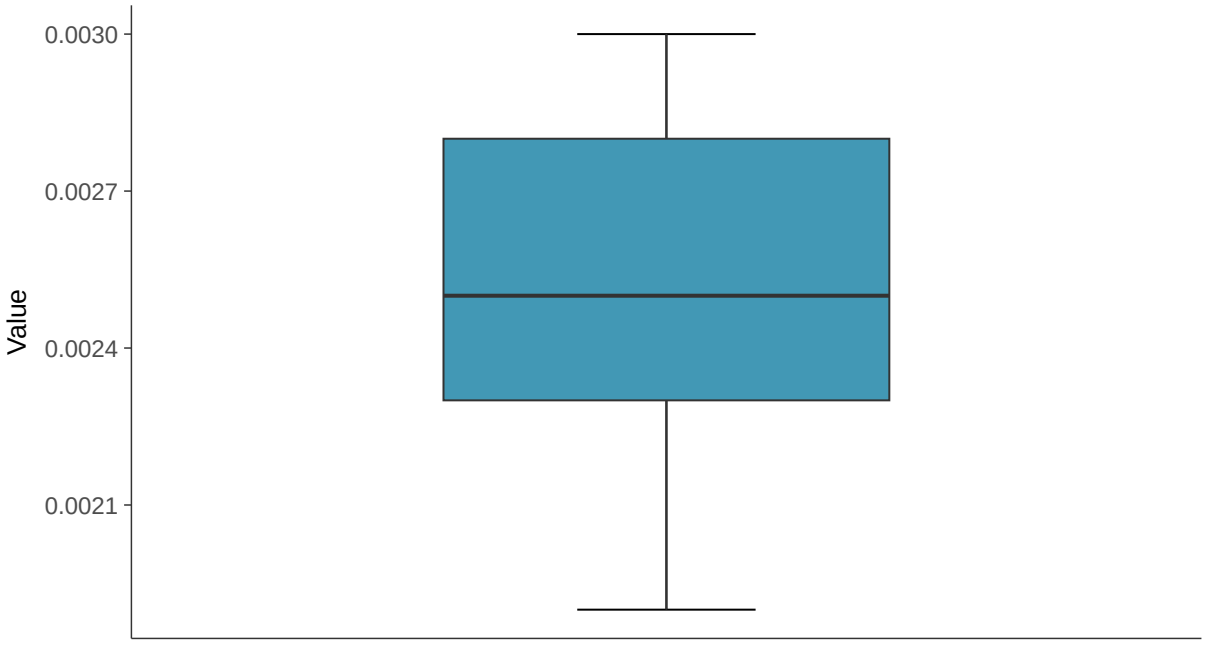
ID: 30_3_118





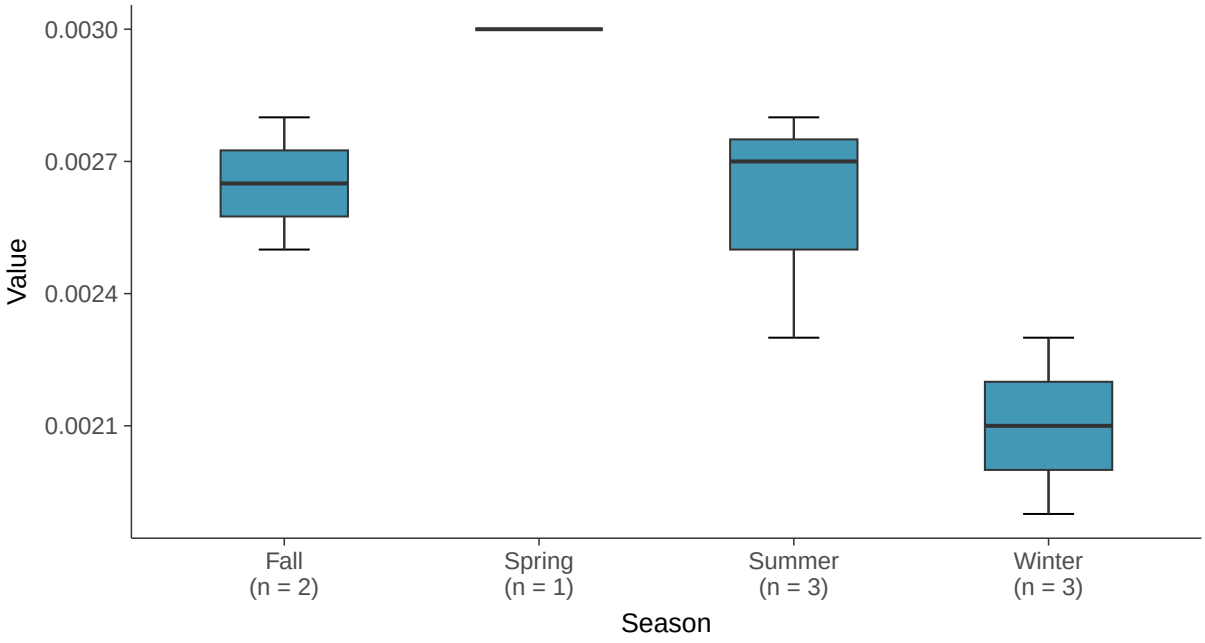
Boxplot

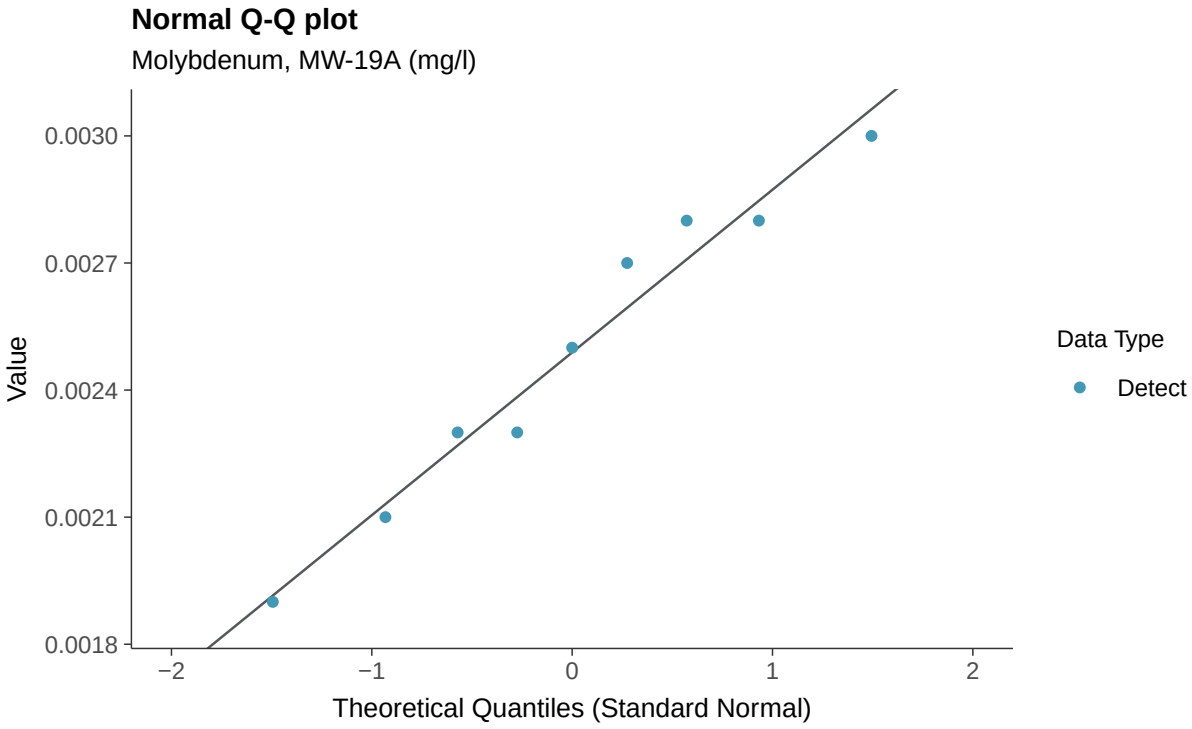
Molybdenum, MW-19A (mg/l)

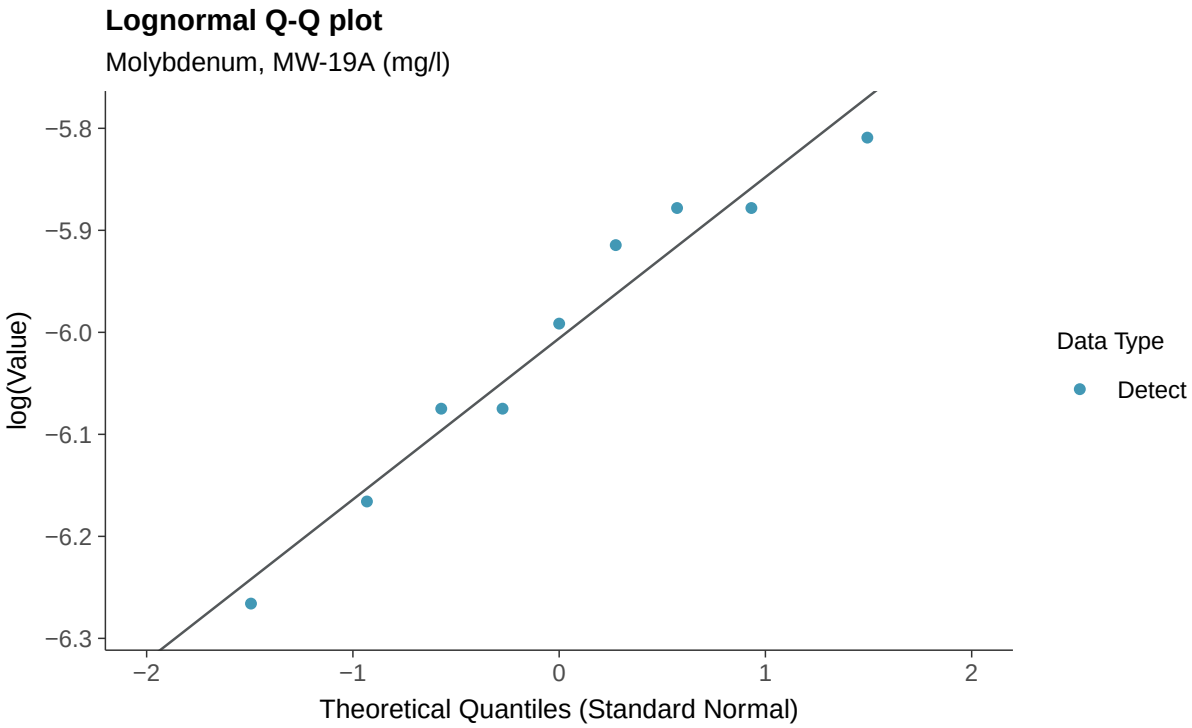


Boxplot by Season

Molybdenum, MW-19A (mg/l)

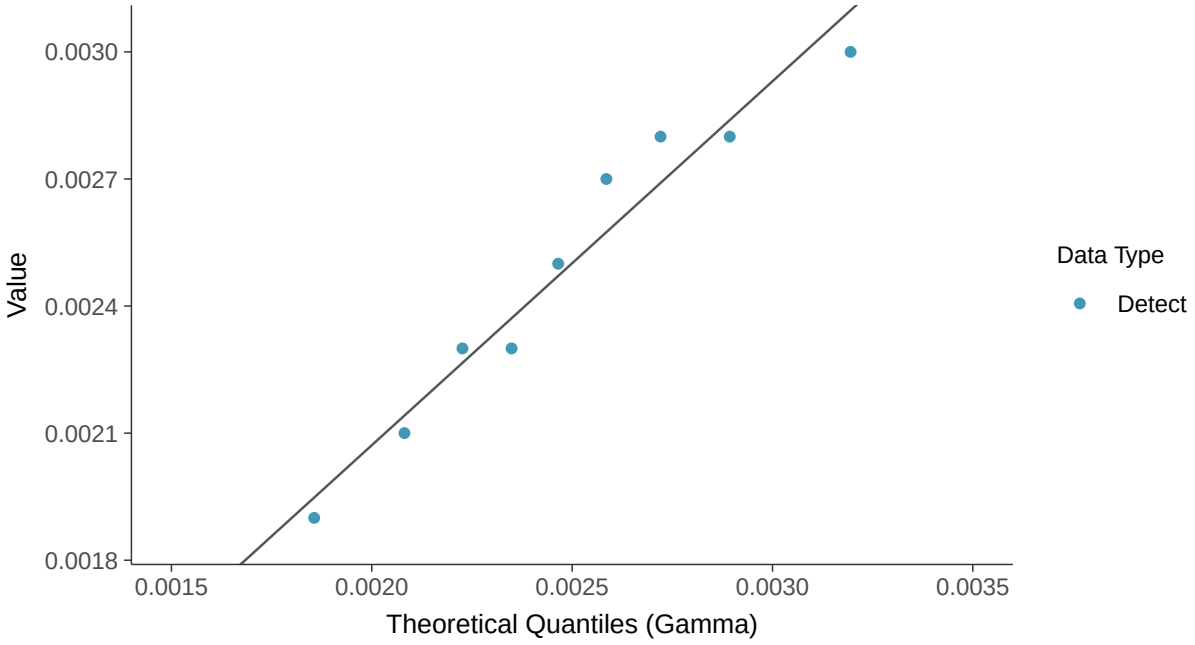



Normal Q-Q plot
Molybdenum, MW-19A (mg/l)
Value
0.0030
0.0027
0.0024
0.0021
0.0018
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Molybdenum, MW-19A (mg/l)
log(Value)
−5.8
−5.9
−6.0
−6.1
−6.2
−6.3
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

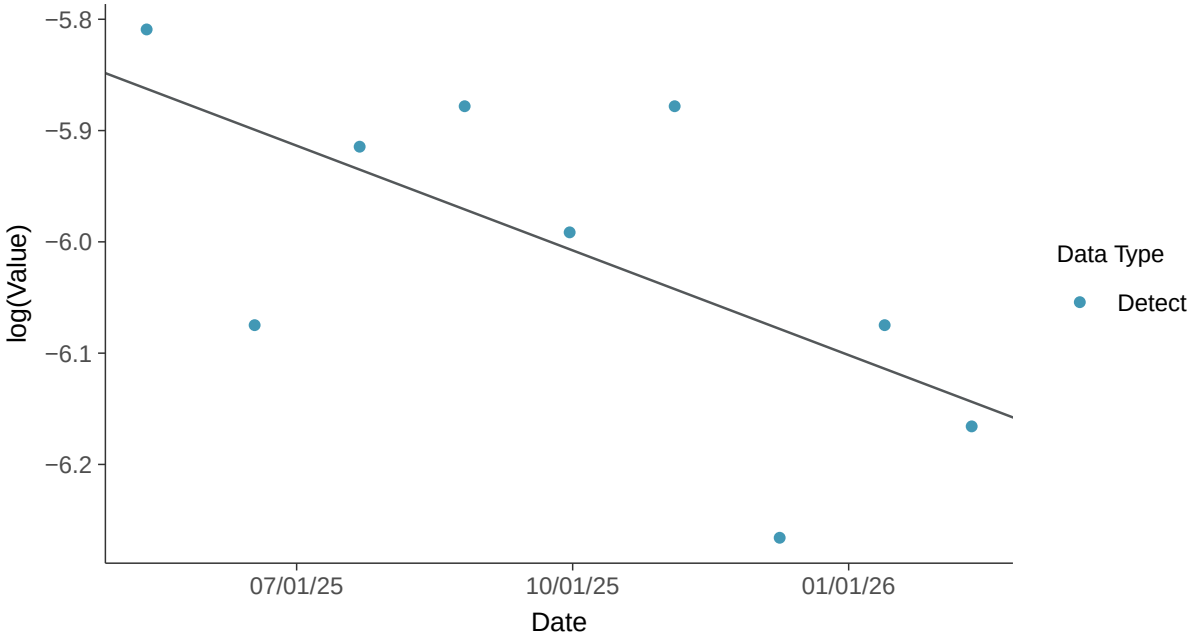
Gamma Q-Q plot

Molybdenum, MW-19A (mg/l)



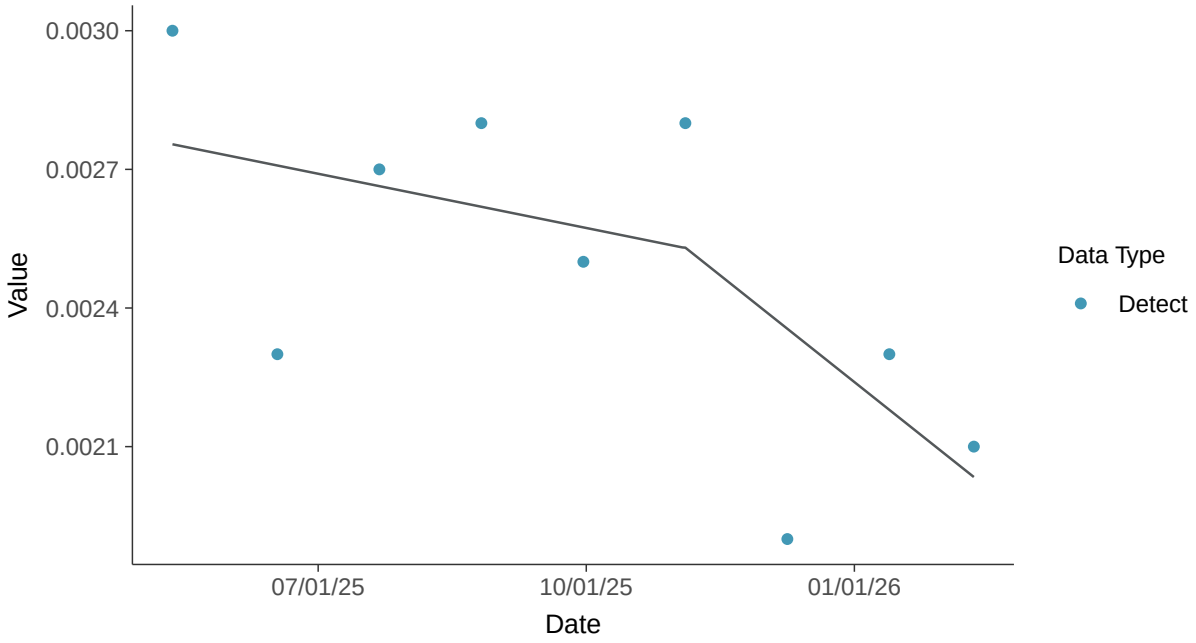
Trend Regression: Lognormal MLE

Molybdenum, MW-19A (mg/l)



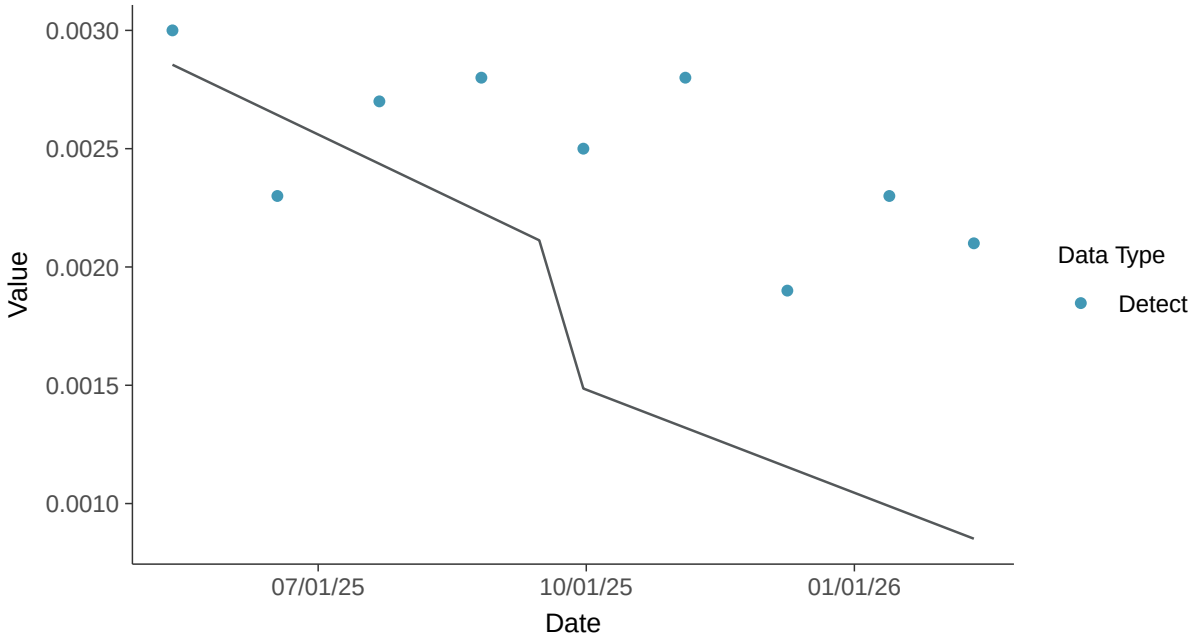
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-19A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-19A (mg/l)

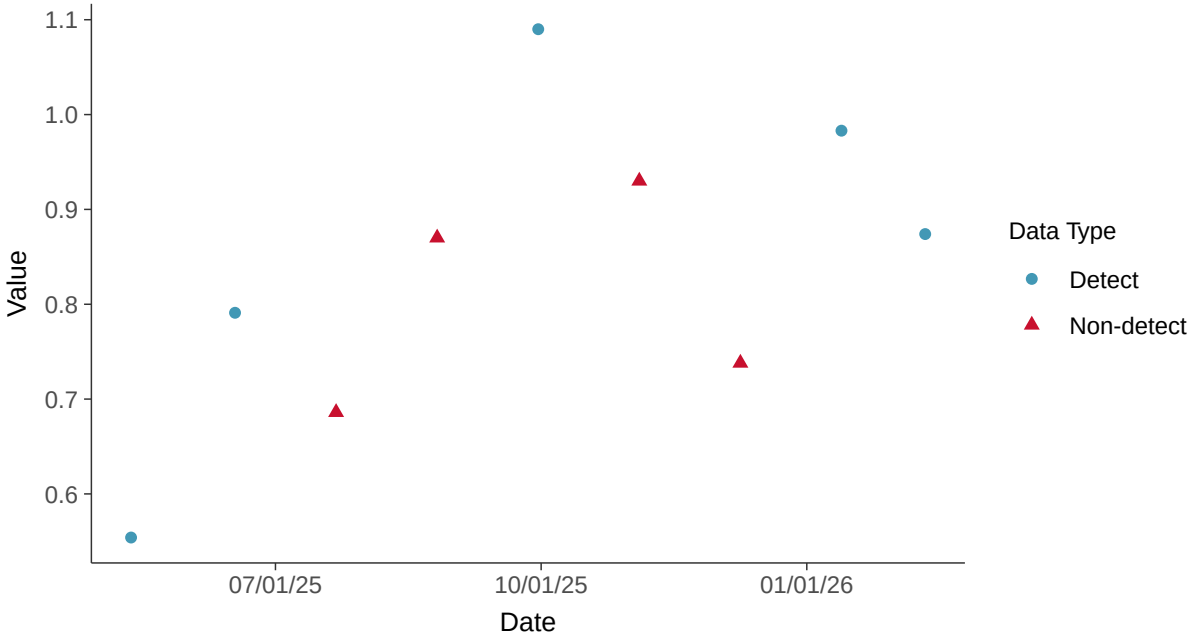


Appendix IV: Radium-226+228, MW-19A

ID: 30_3_121

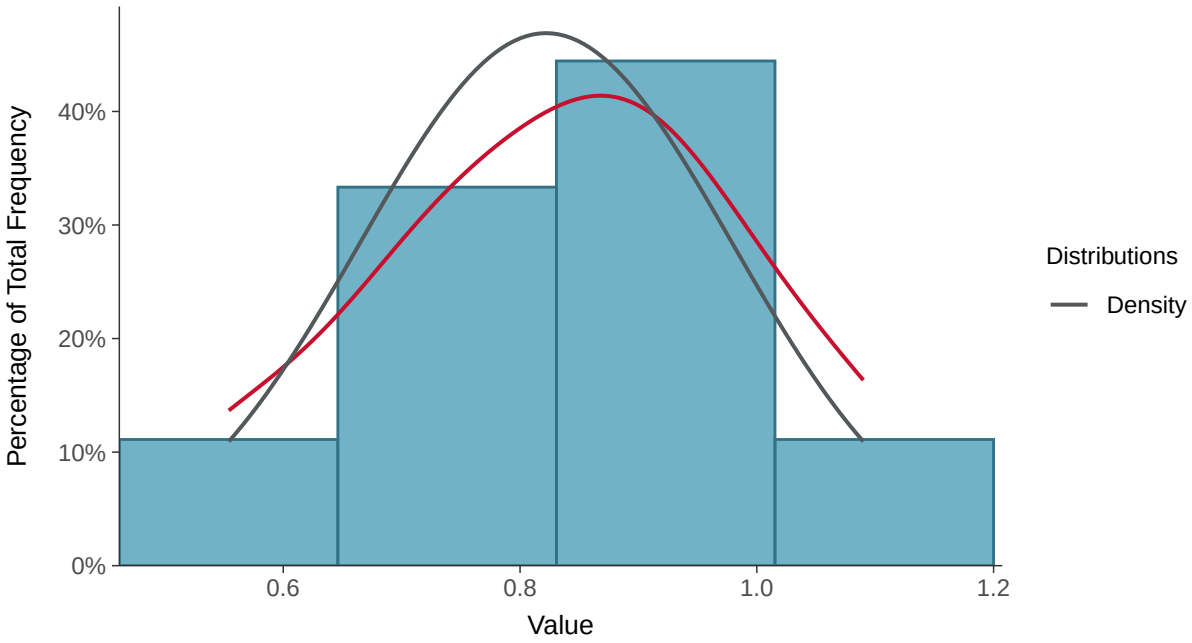
Scatter Plot

Radium-226+228, MW-19A (pci/l)



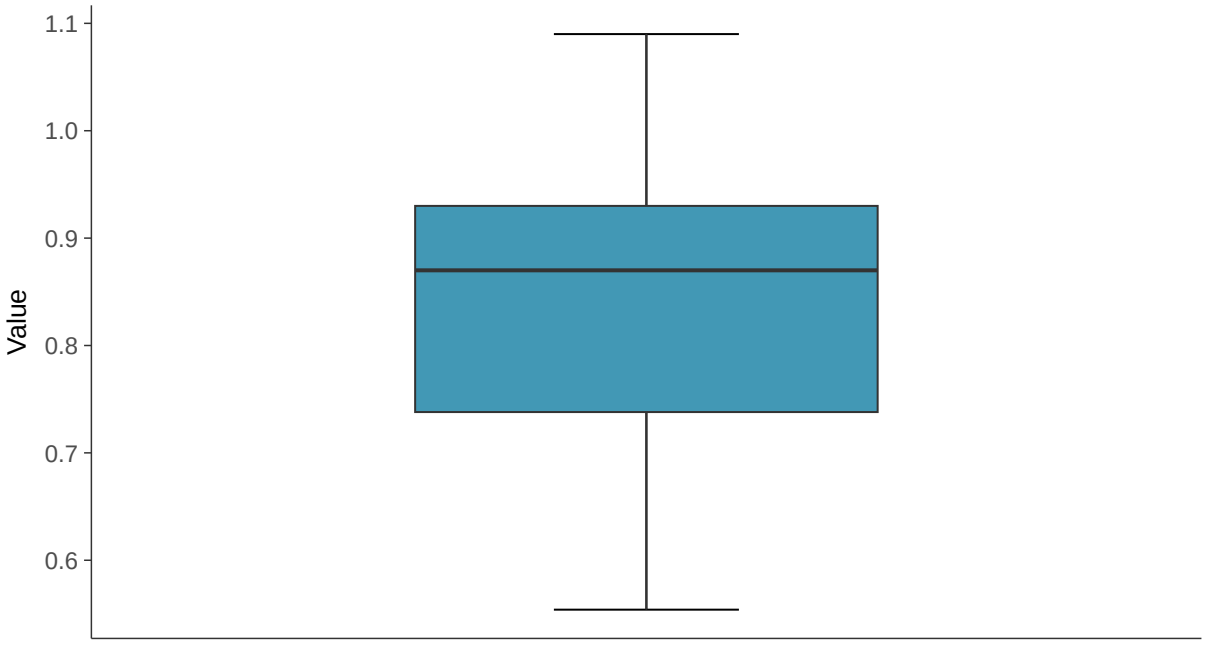
Histogram

Radium-226+228, MW-19A (pci/l)



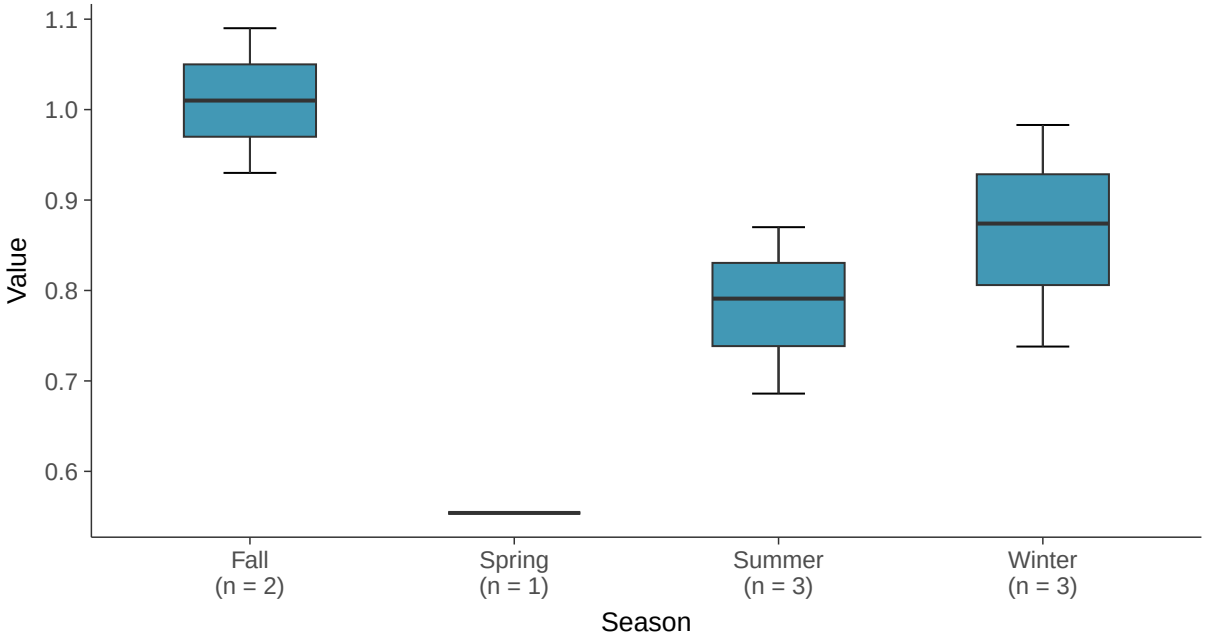
Boxplot

Radium-226+228, MW-19A (pci/l)



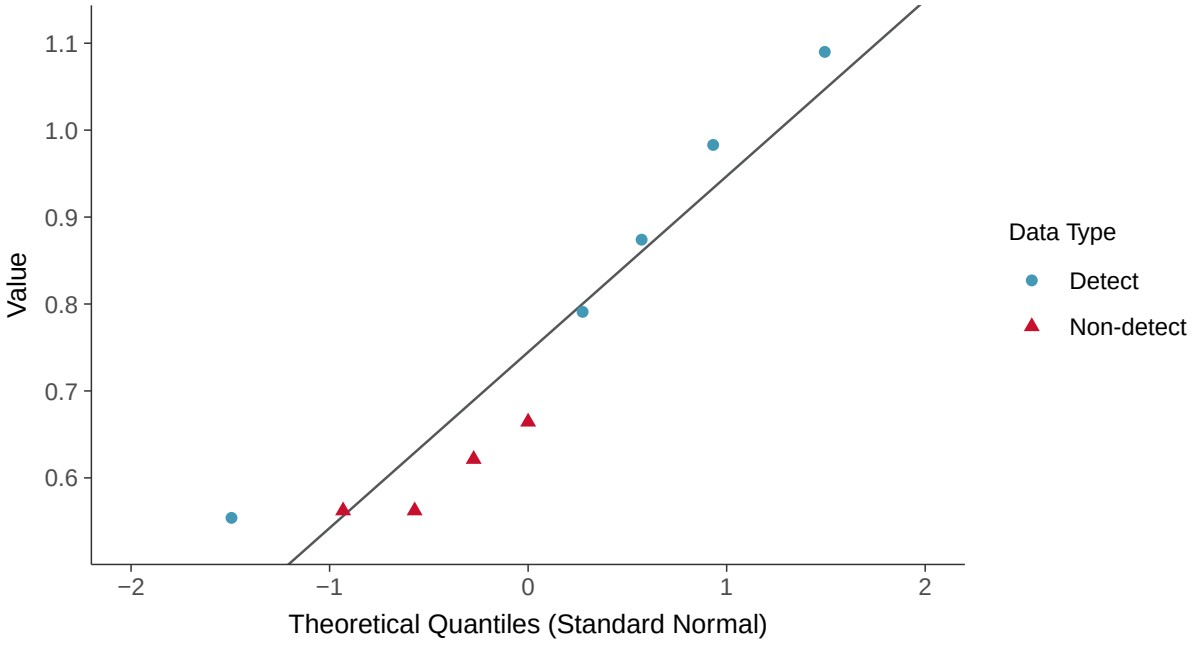
Boxplot by Season

Radium-226+228, MW-19A (pci/l)



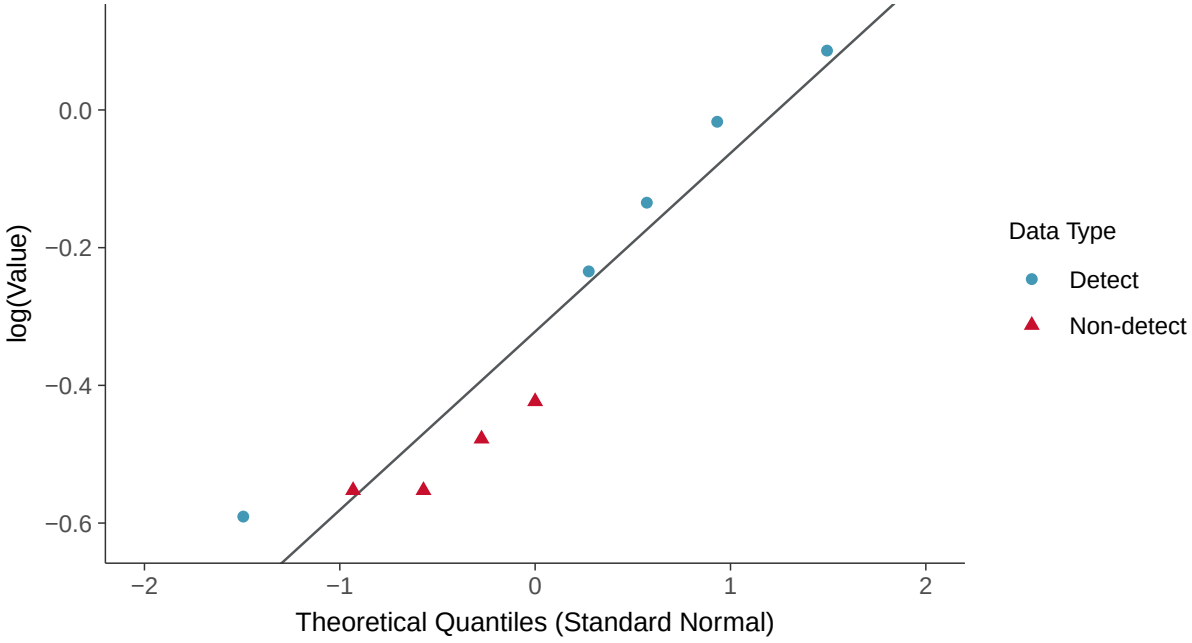
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-19A (pci/l)



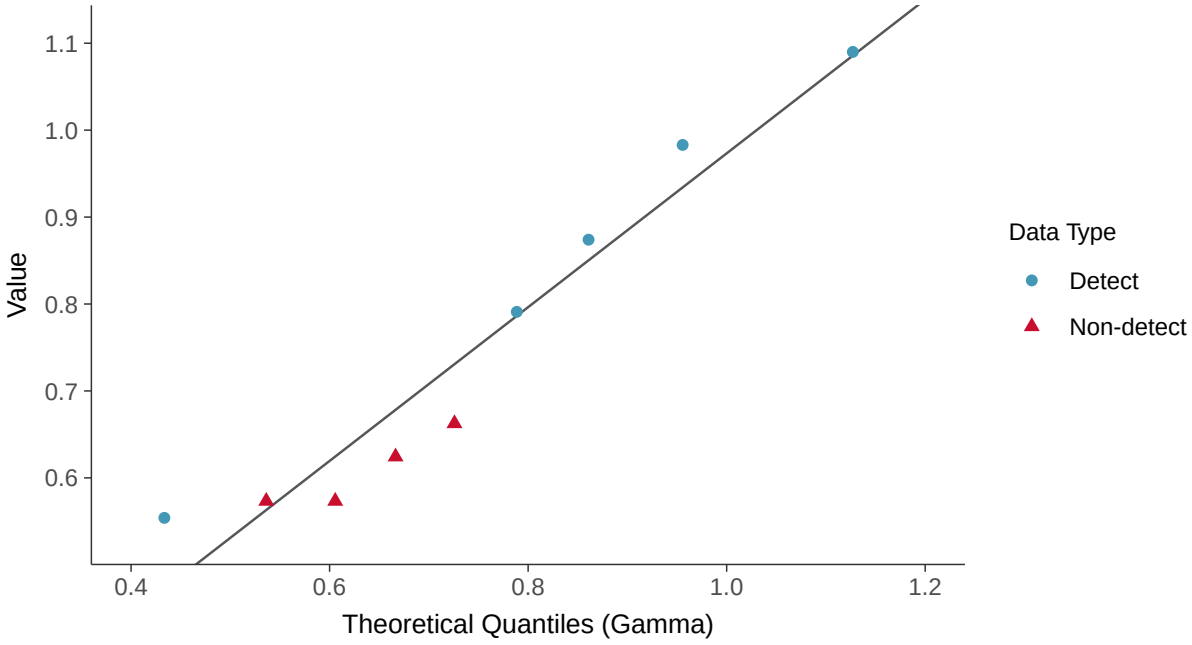
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-19A (pci/l)



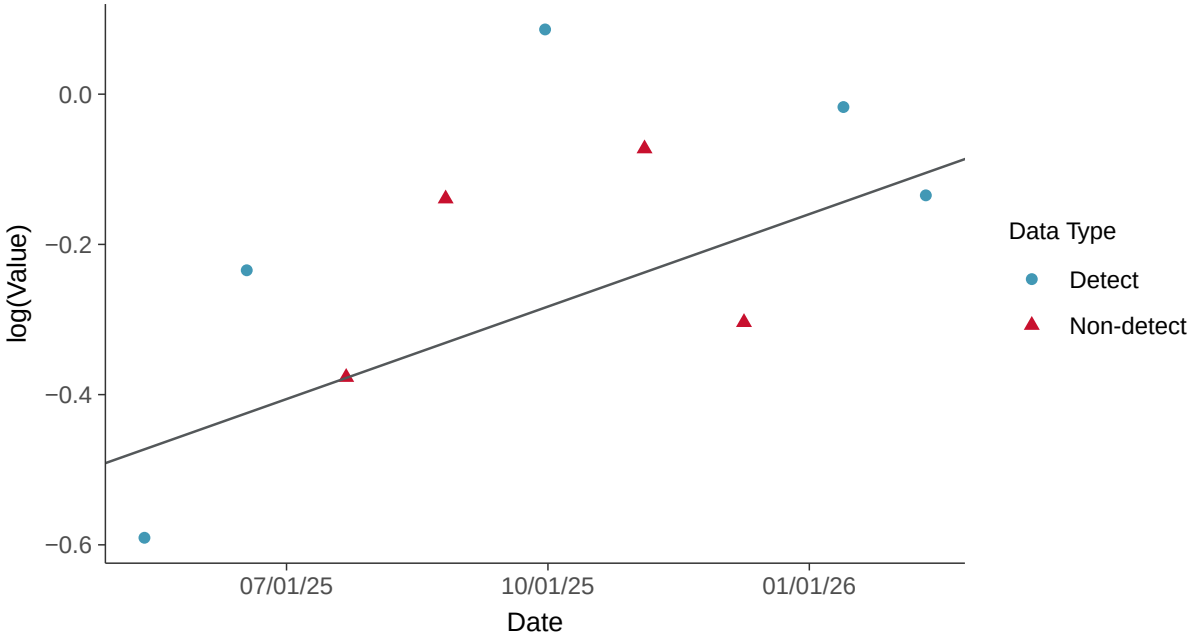
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-19A (pci/l)



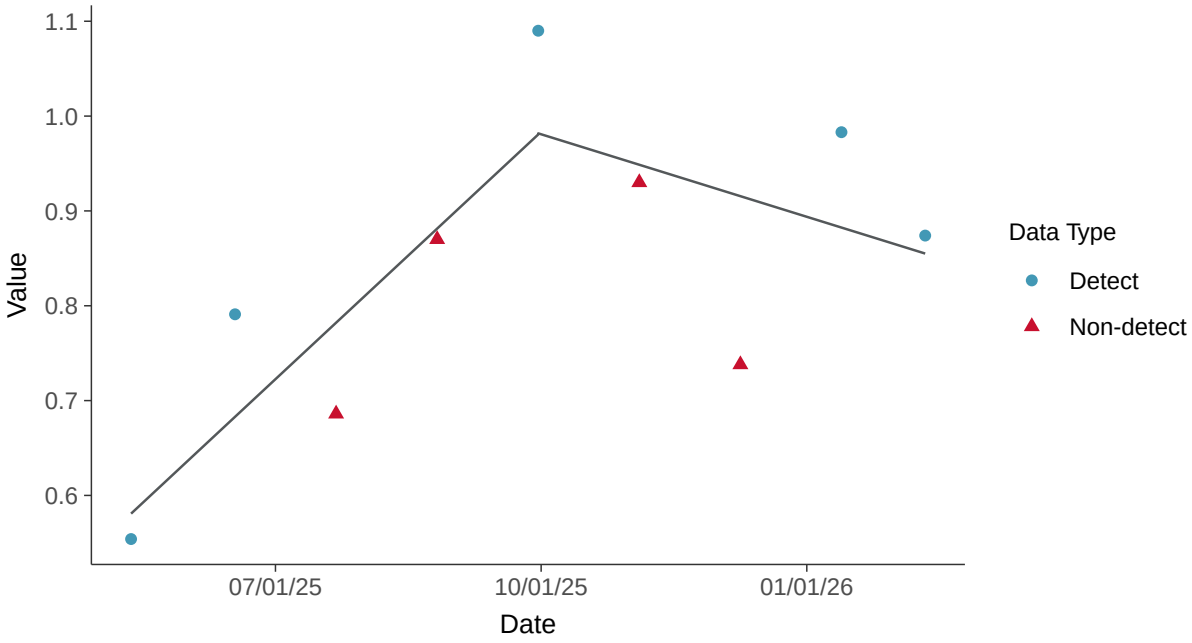
Trend Regression: Lognormal MLE

Radium-226+228, MW-19A (pci/l)



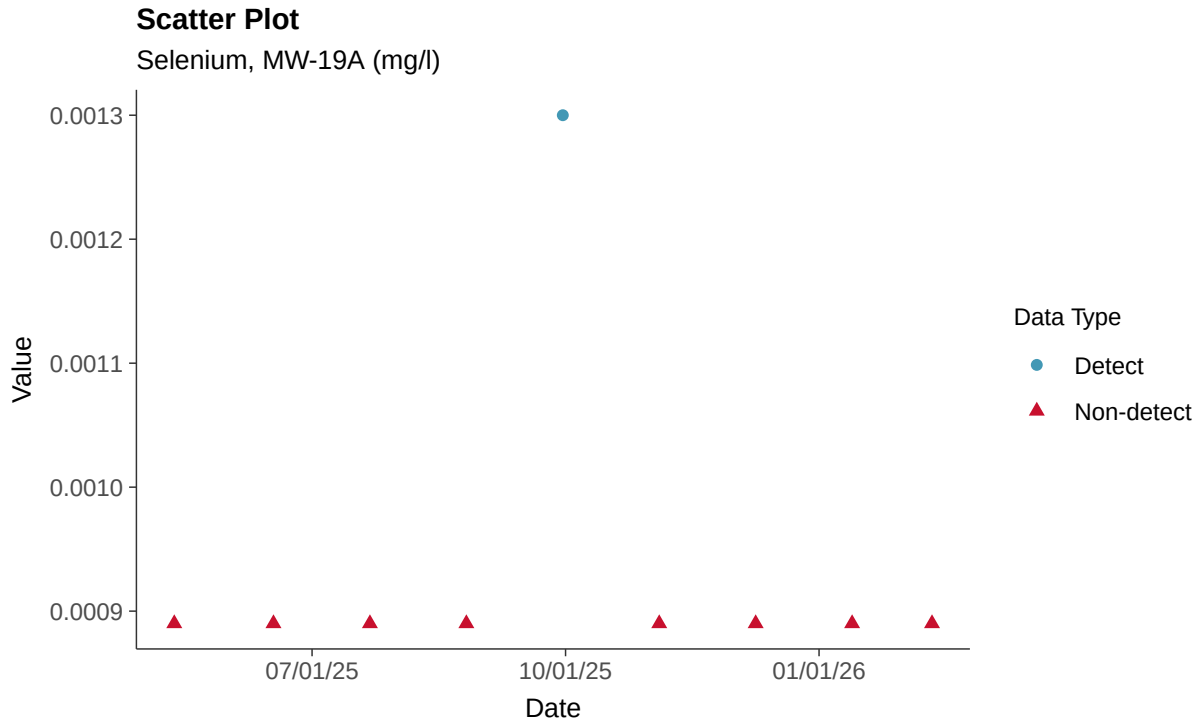
Trend Regression: Piecewise Linear-Linear

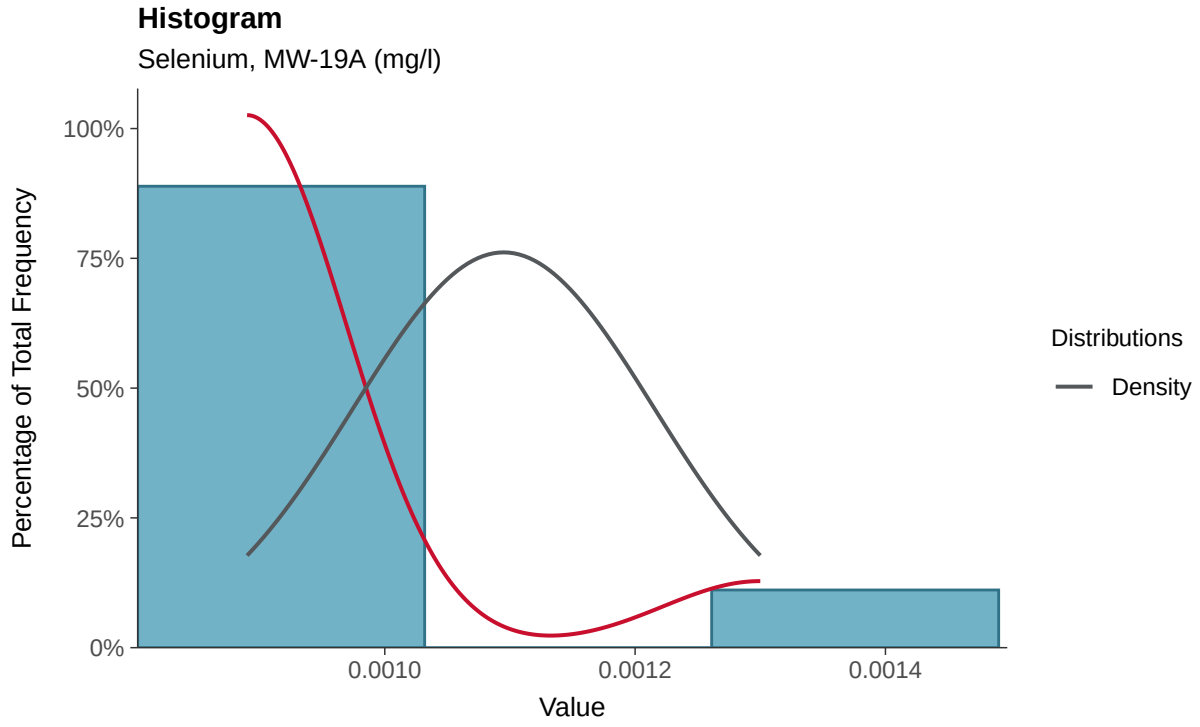
Radium-226+228, MW-19A (pci/l)



Appendix IV: Selenium, MW-19A

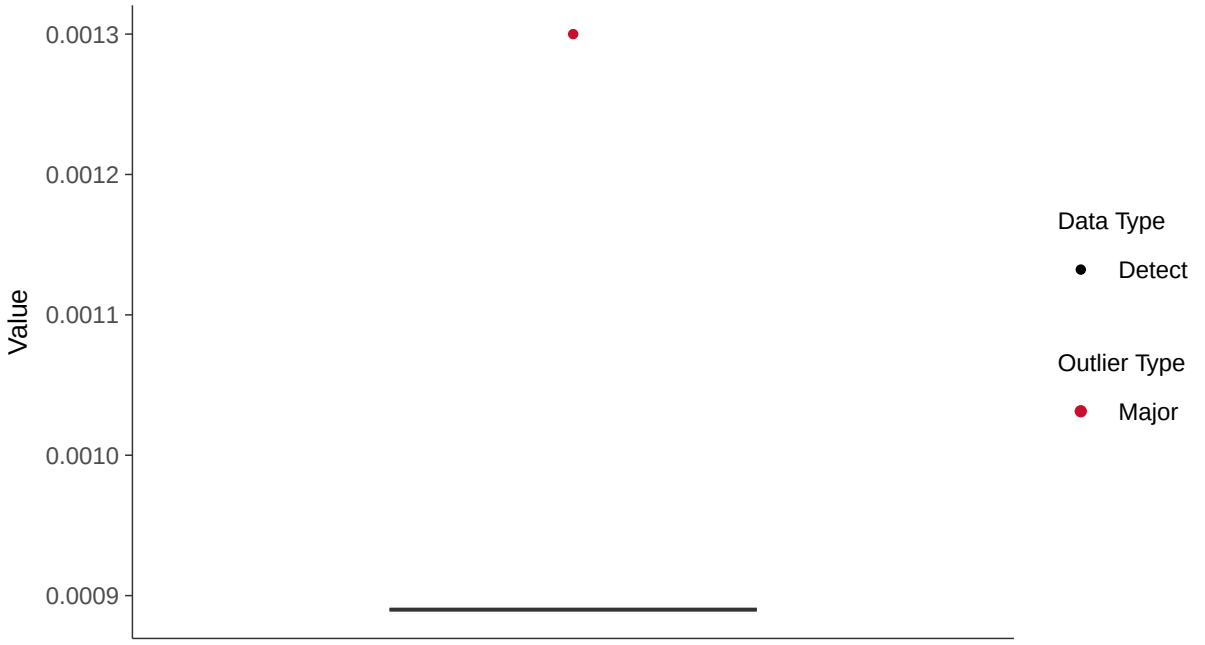
ID: 30_3_122





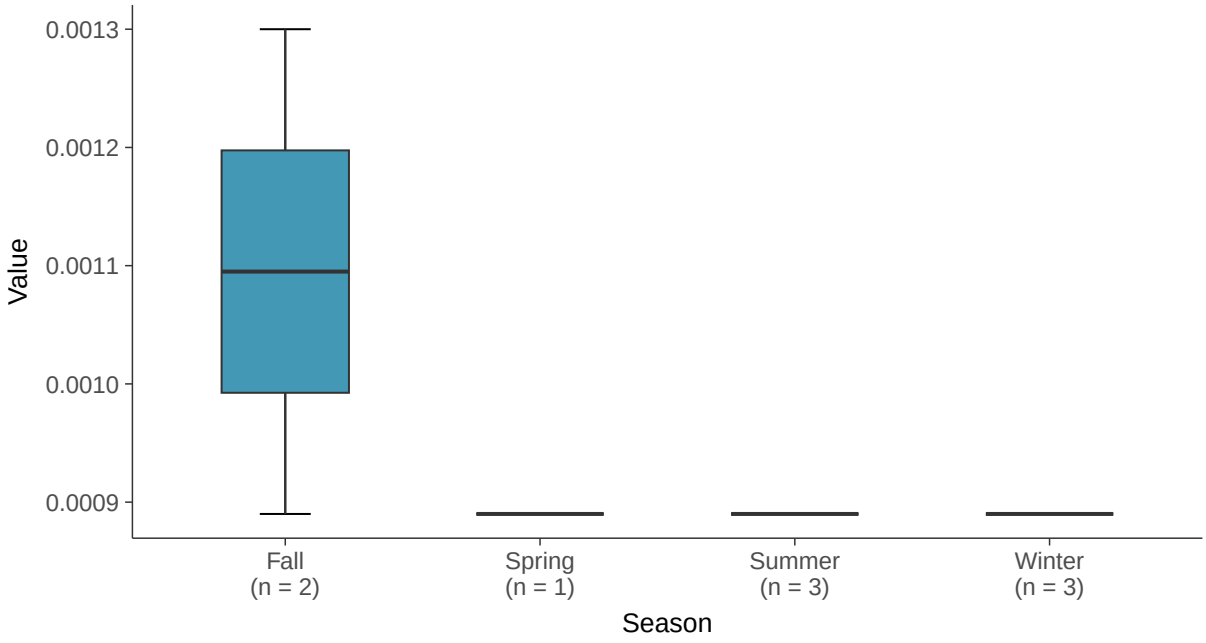
Boxplot

Selenium, MW-19A (mg/l)



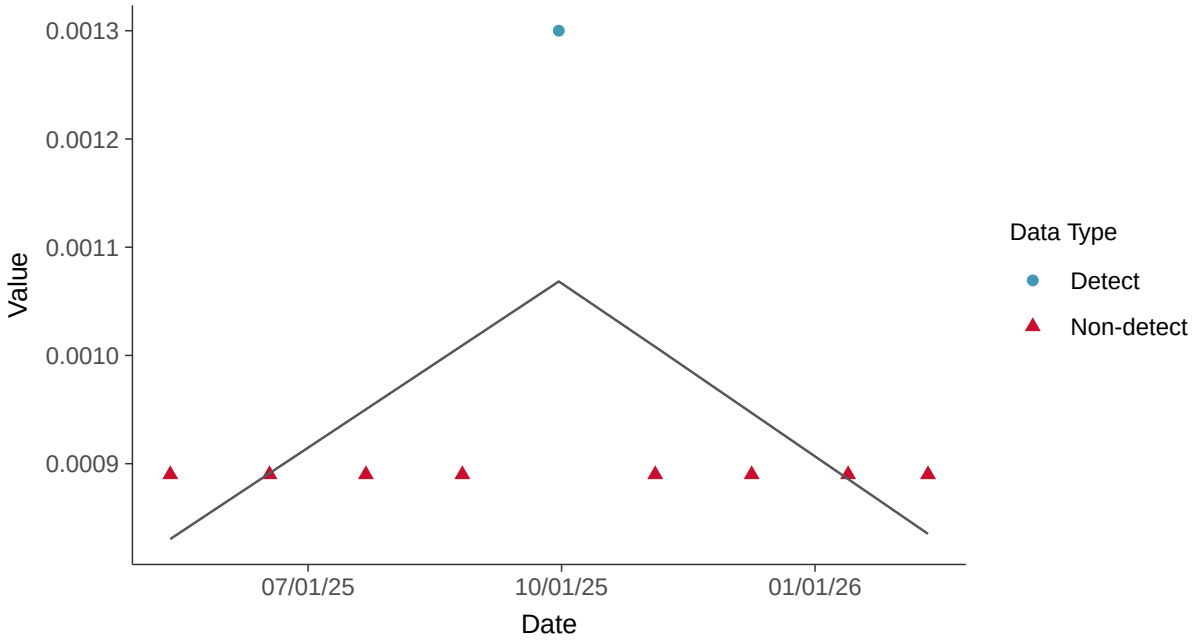
Boxplot by Season

Selenium, MW-19A (mg/l)



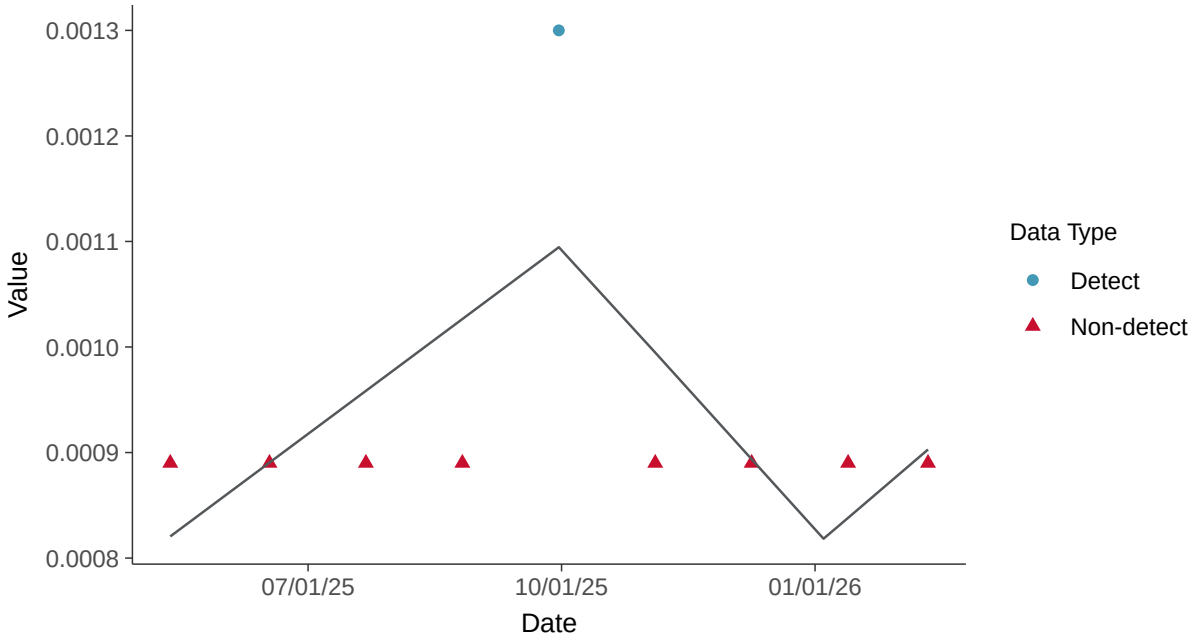
Trend Regression: Piecewise Linear-Linear

Selenium, MW-19A (mg/l)



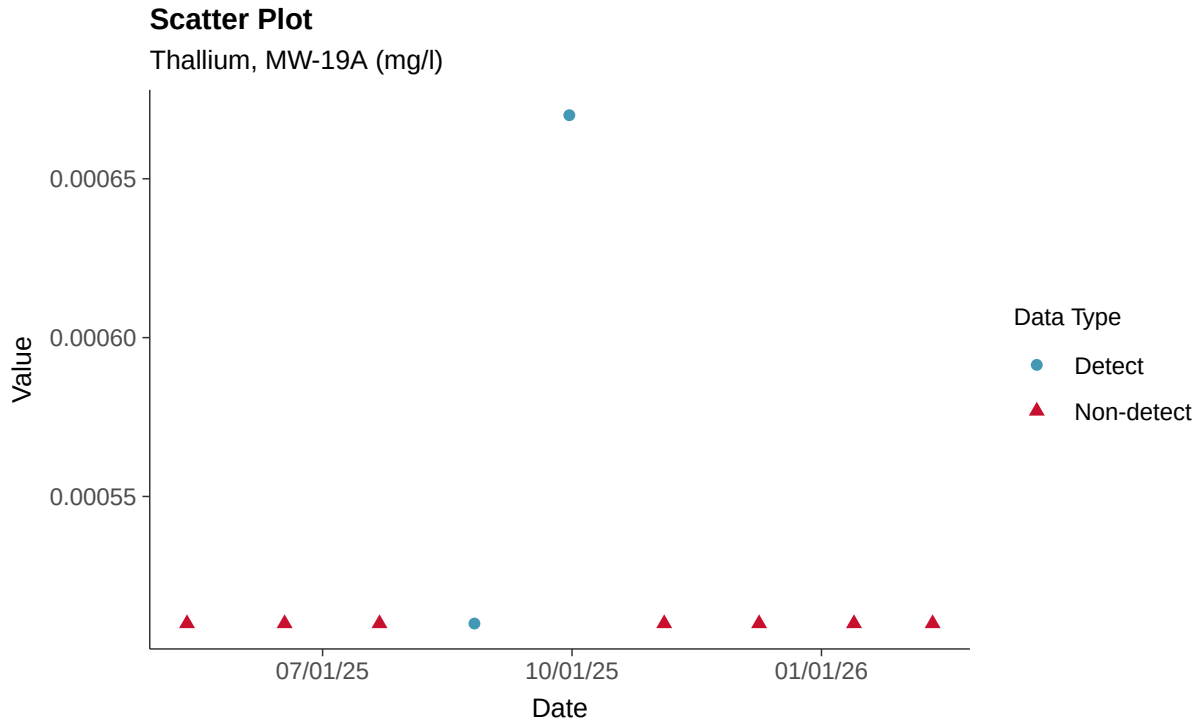
Trend Regression: Piecewise Linear-Linear-Linear

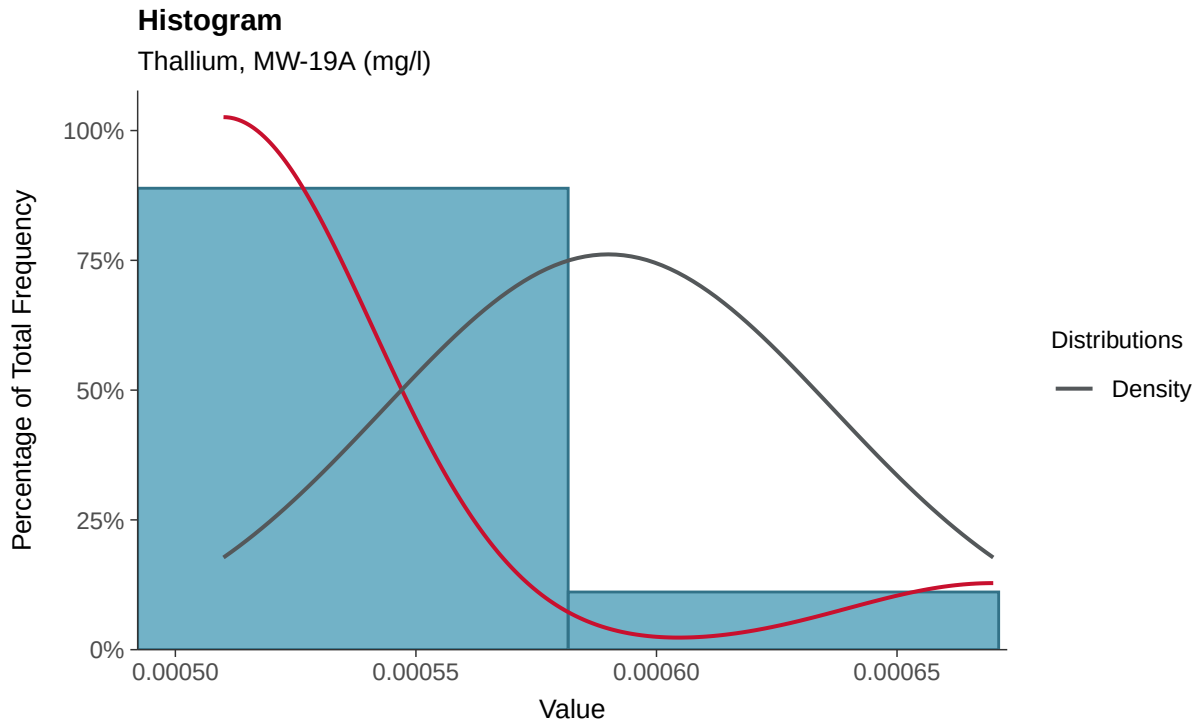
Selenium, MW-19A (mg/l)



Appendix IV: Thallium, MW-19A

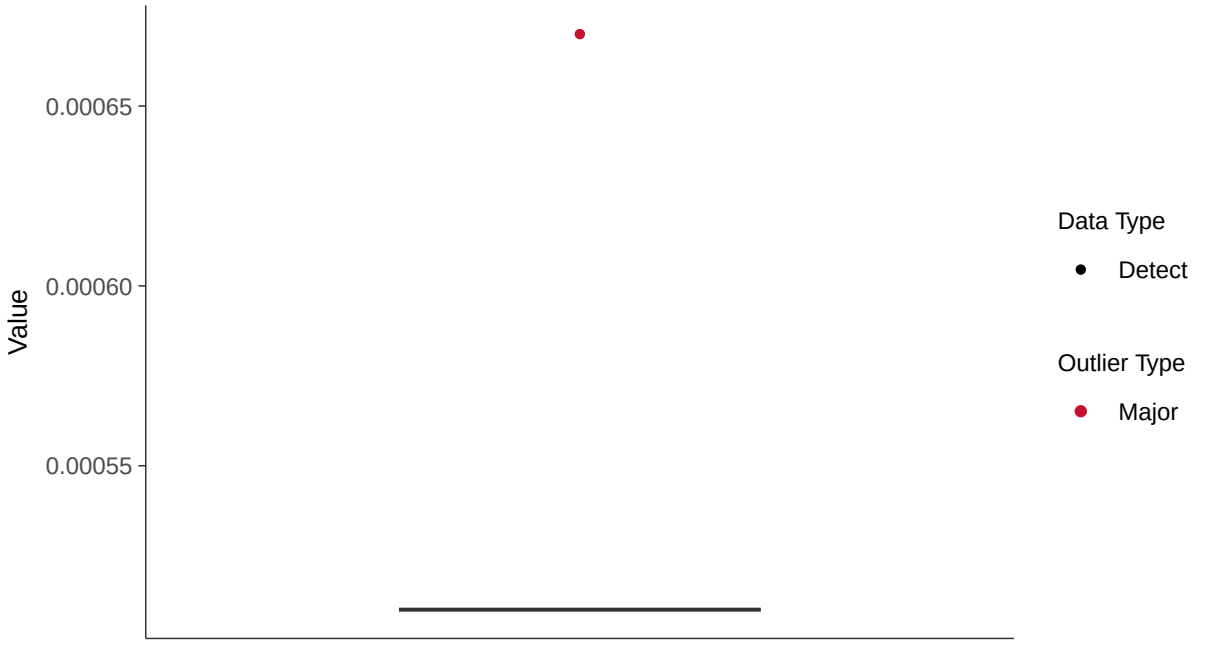
ID: 30_3_125





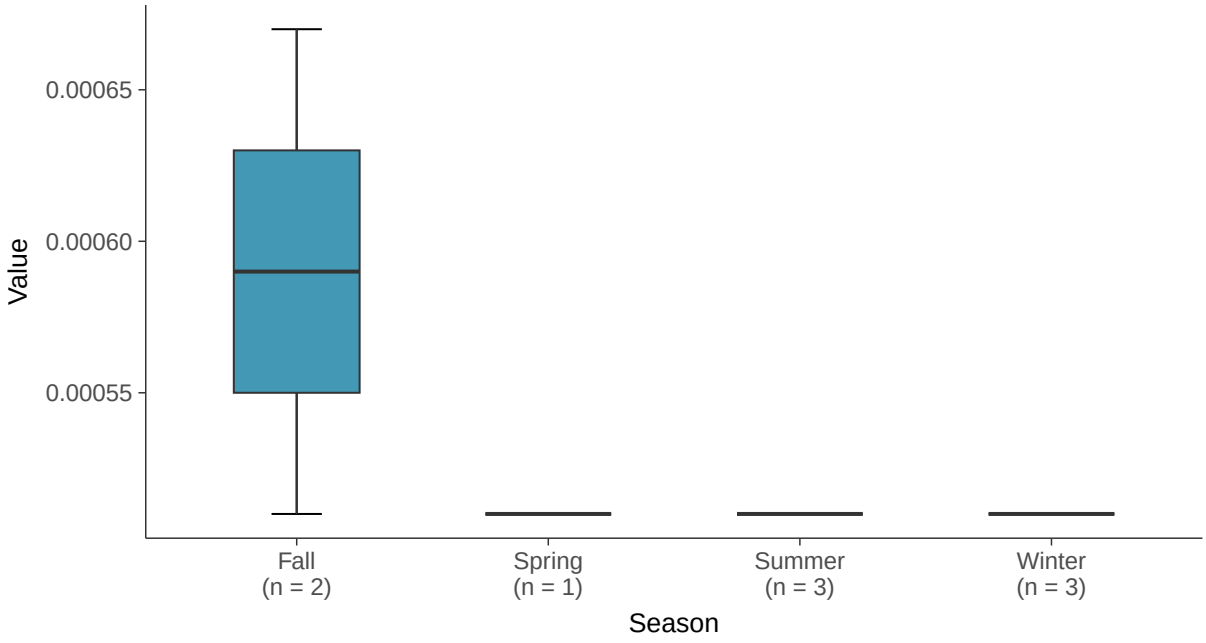
Boxplot

Thallium, MW-19A (mg/l)



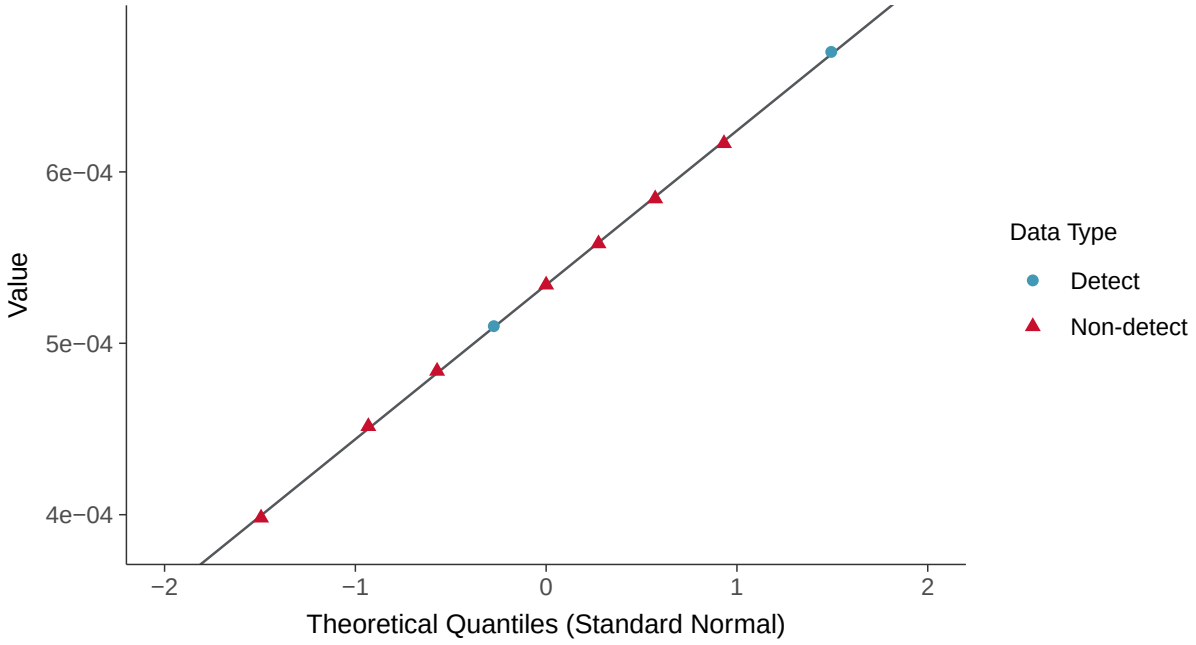
Boxplot by Season

Thallium, MW-19A (mg/l)



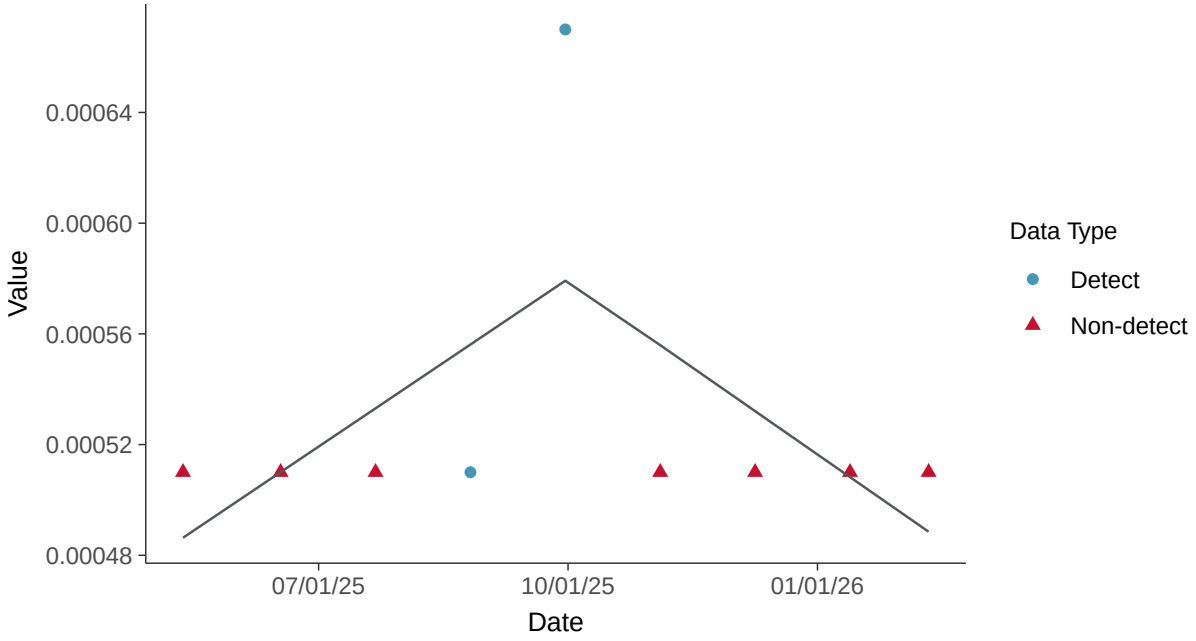
Normal Q-Q plot using ROS Imputed Estimates

Thallium, MW-19A (mg/l)



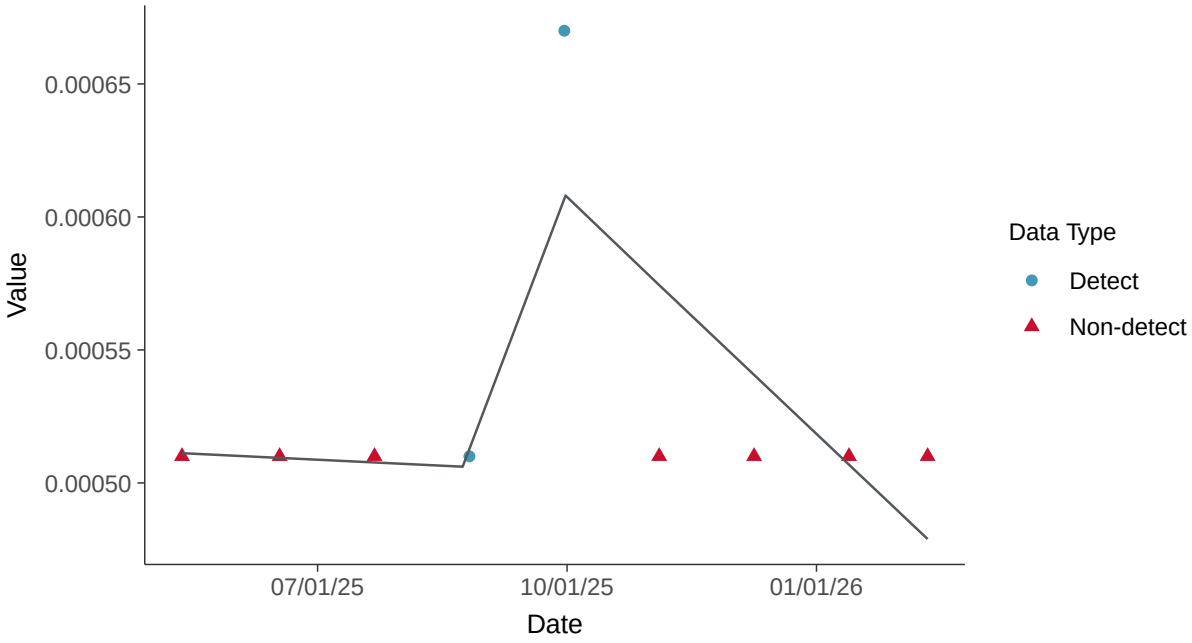
Trend Regression: Piecewise Linear-Linear

Thallium, MW-19A (mg/l)



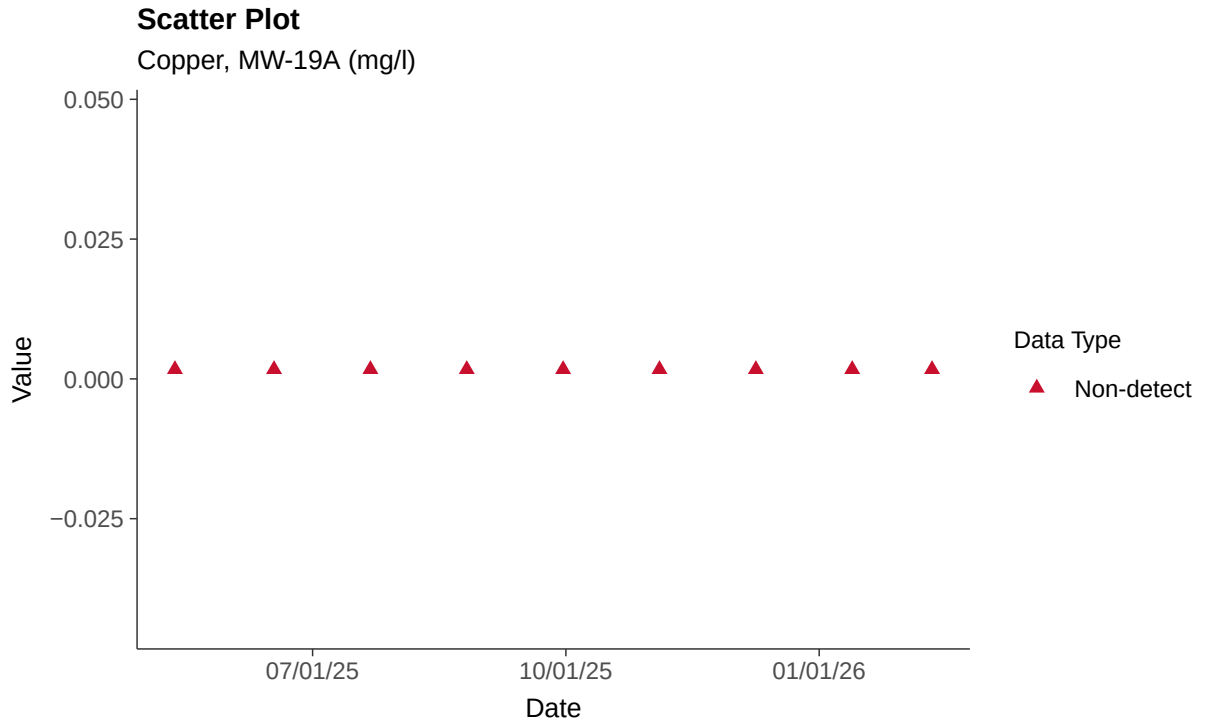
Trend Regression: Piecewise Linear-Linear-Linear

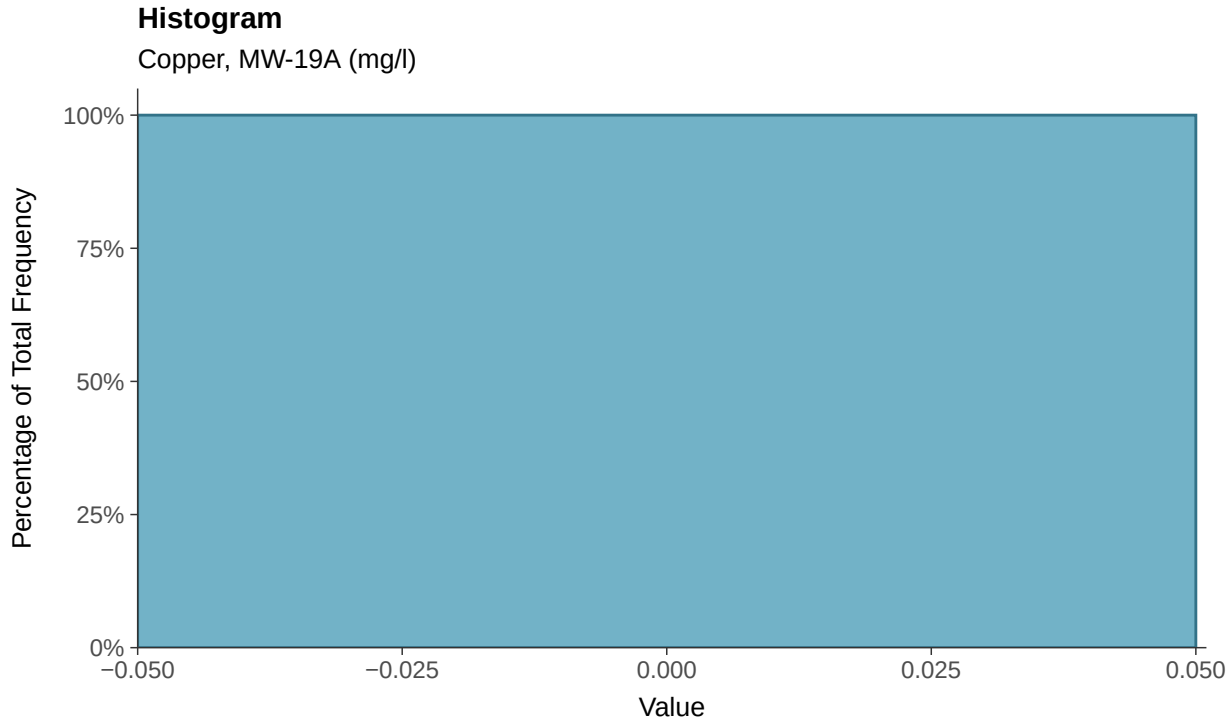
Thallium, MW-19A (mg/l)



Part 115: Copper, MW-19A

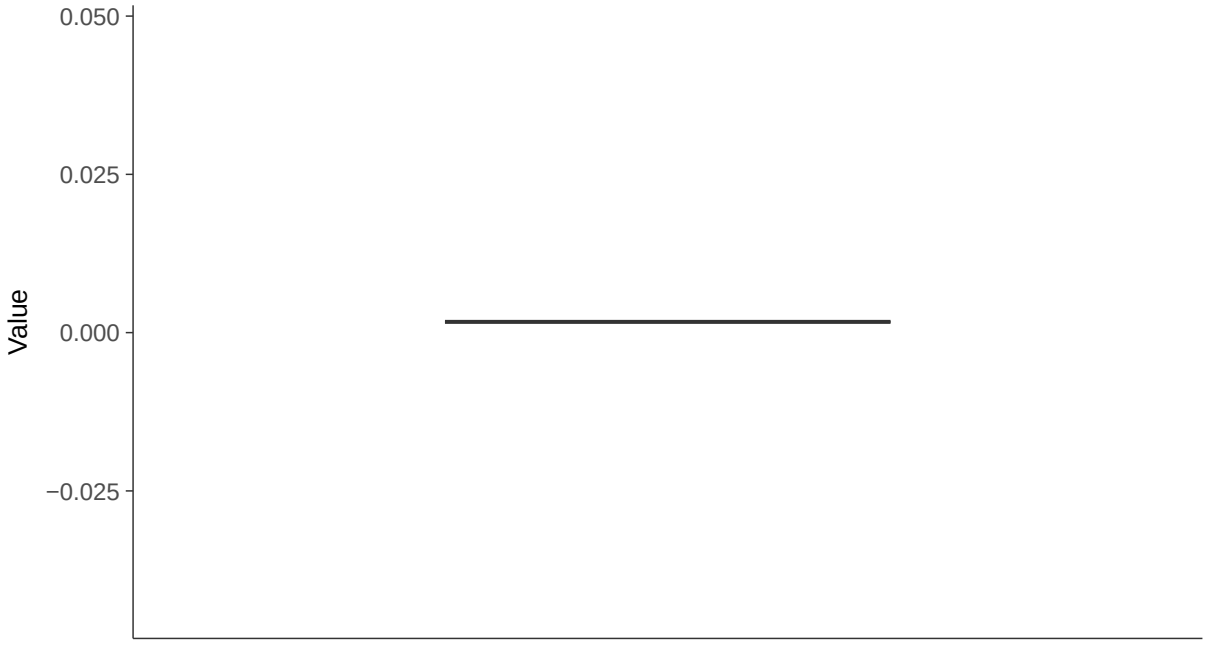
ID: 30_5_111





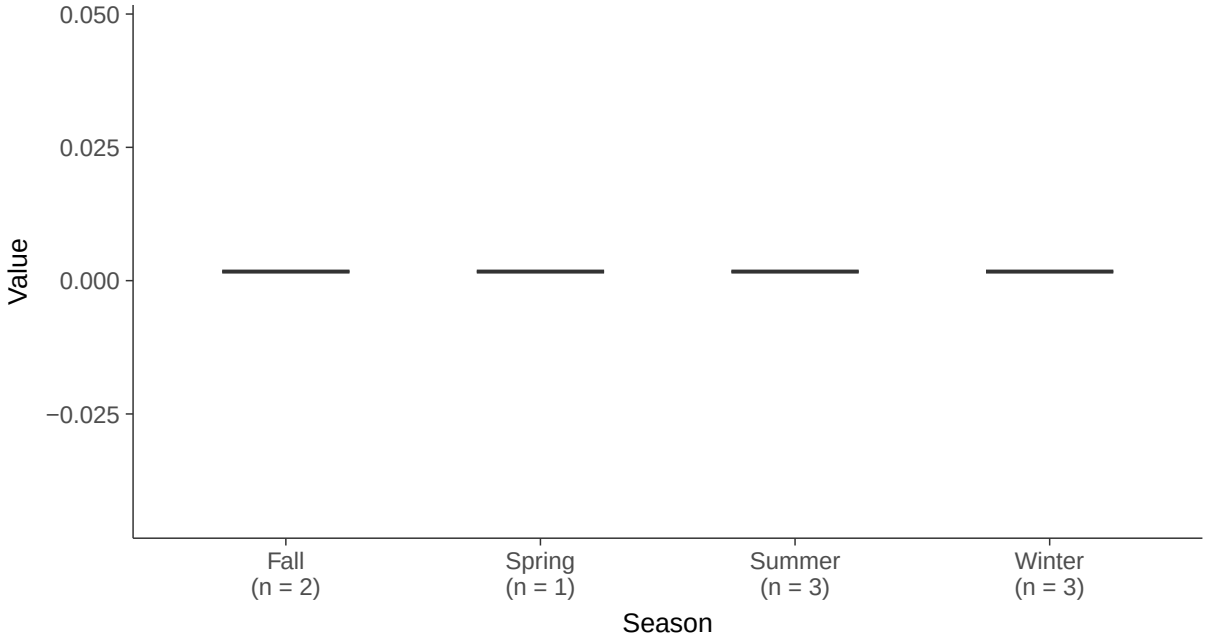
Boxplot

Copper, MW-19A (mg/l)



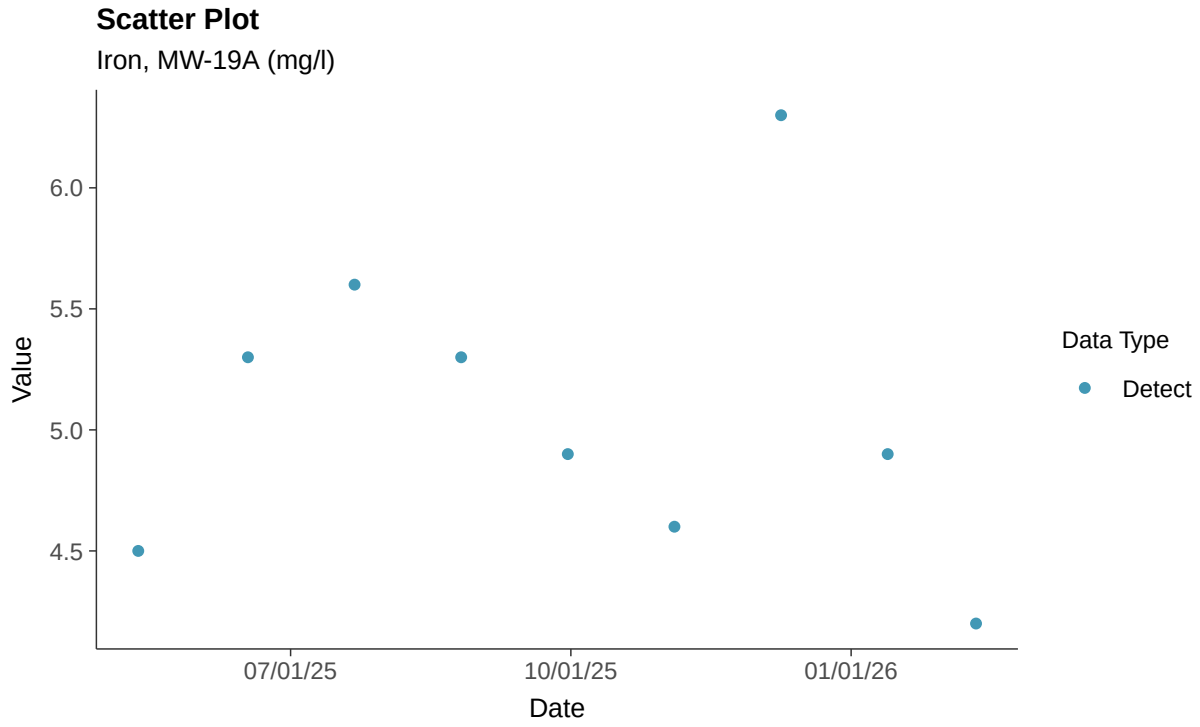
Boxplot by Season

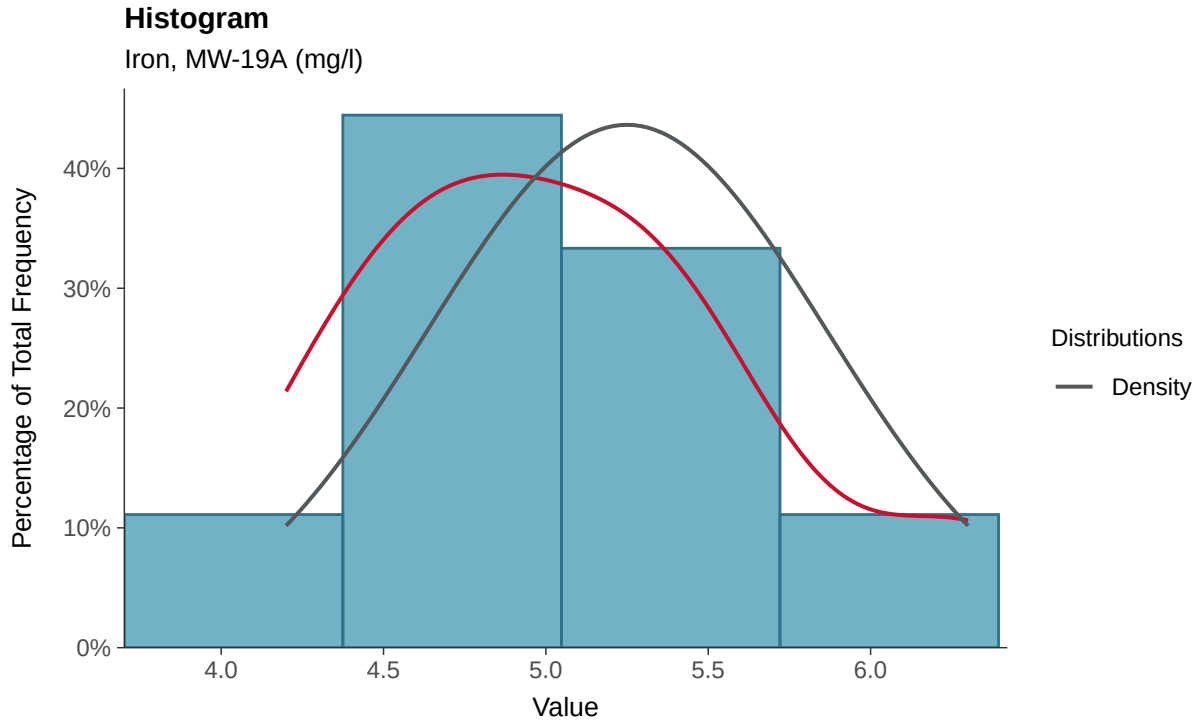
Copper, MW-19A (mg/l)



Part 115: Iron, MW-19A

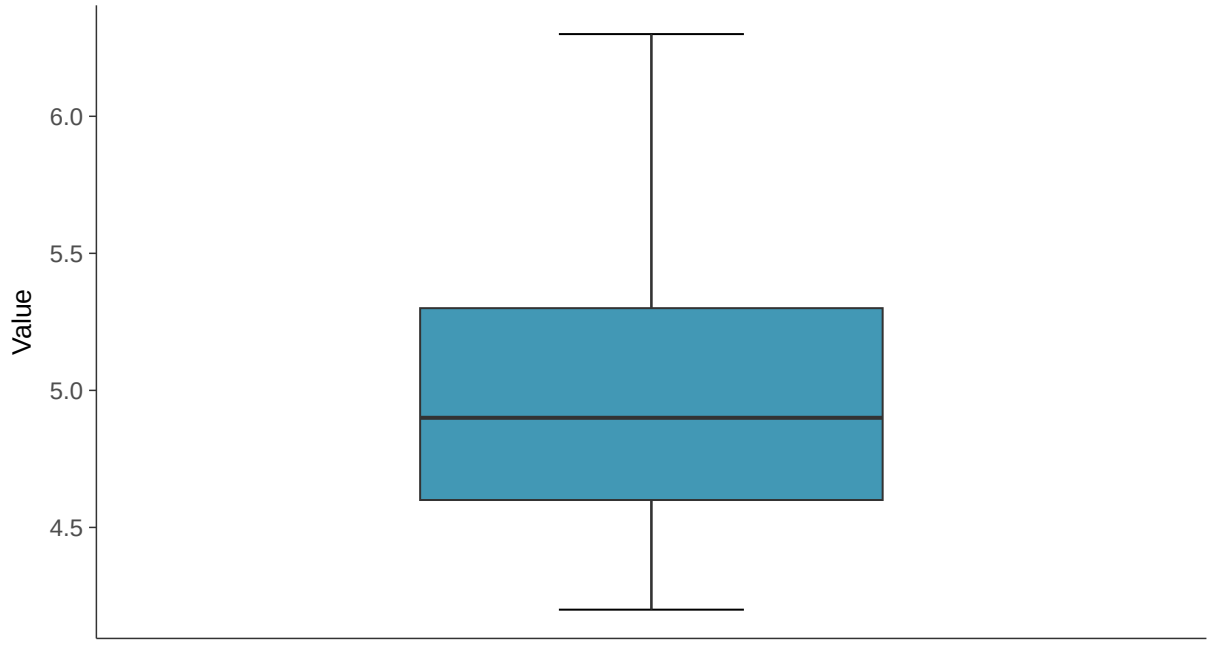
ID: 30_5_114





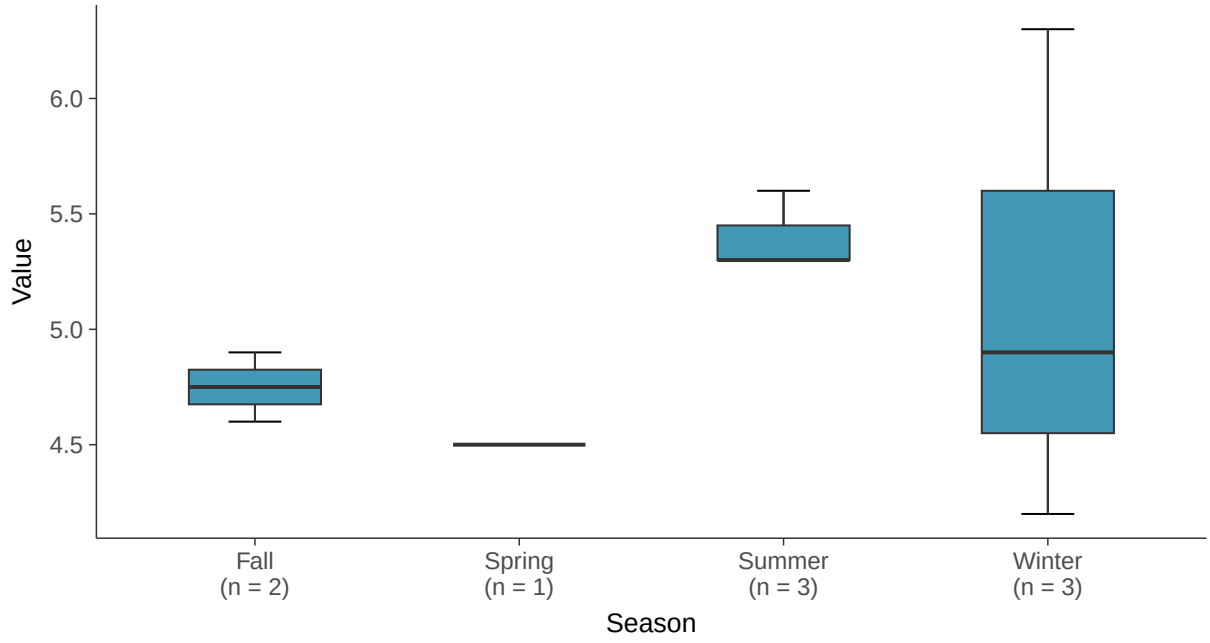
Boxplot

Iron, MW-19A (mg/l)



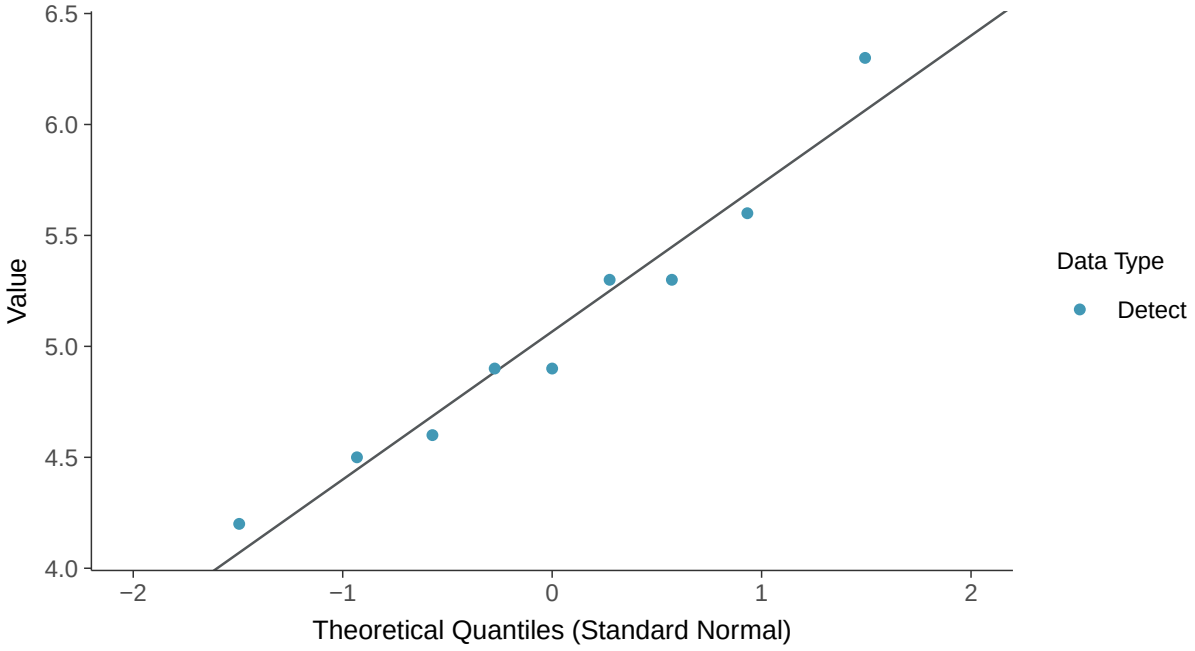
Boxplot by Season

Iron, MW-19A (mg/l)



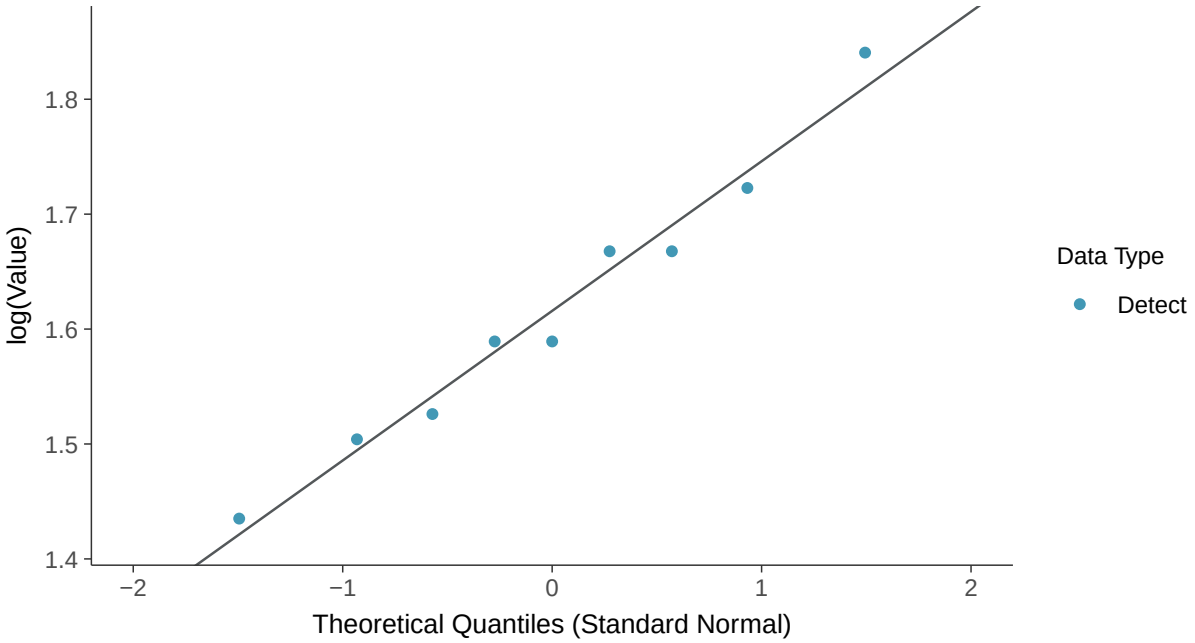
Normal Q-Q plot

Iron, MW-19A (mg/l)



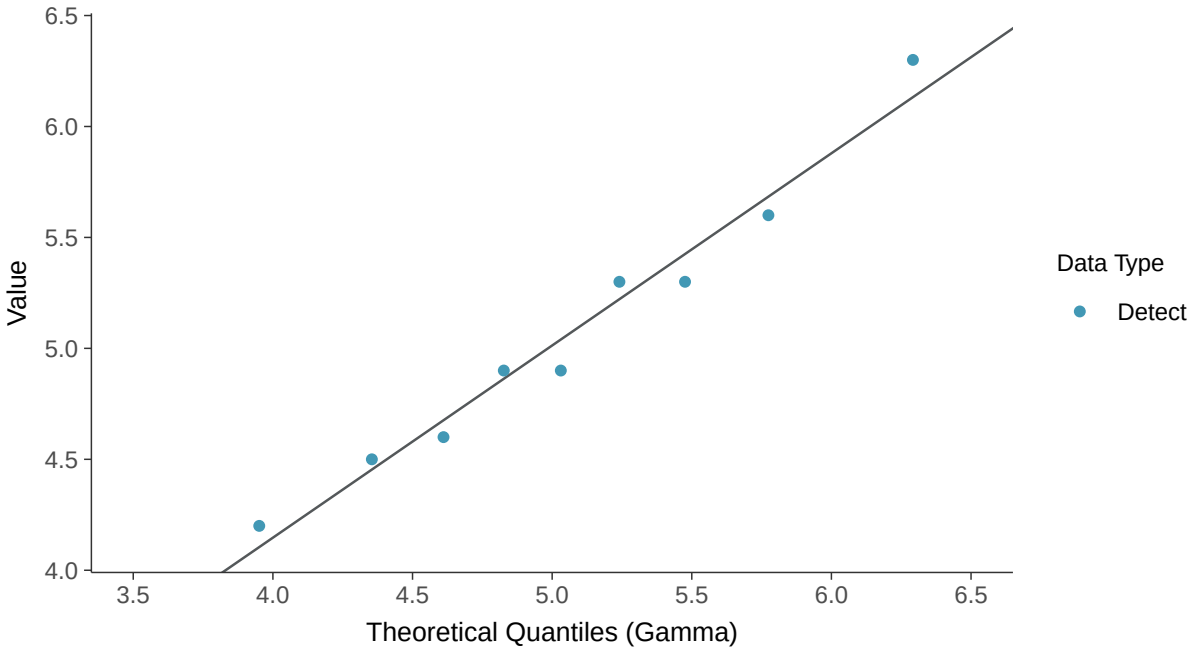
Lognormal Q-Q plot

Iron, MW-19A (mg/l)



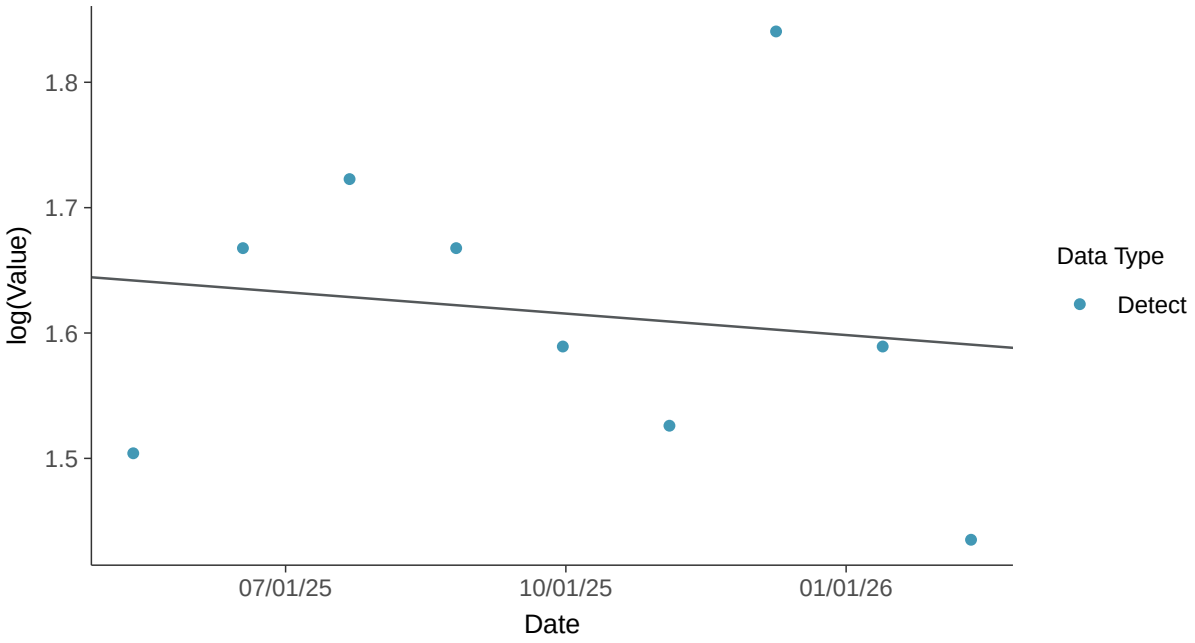
Gamma Q-Q plot

Iron, MW-19A (mg/l)



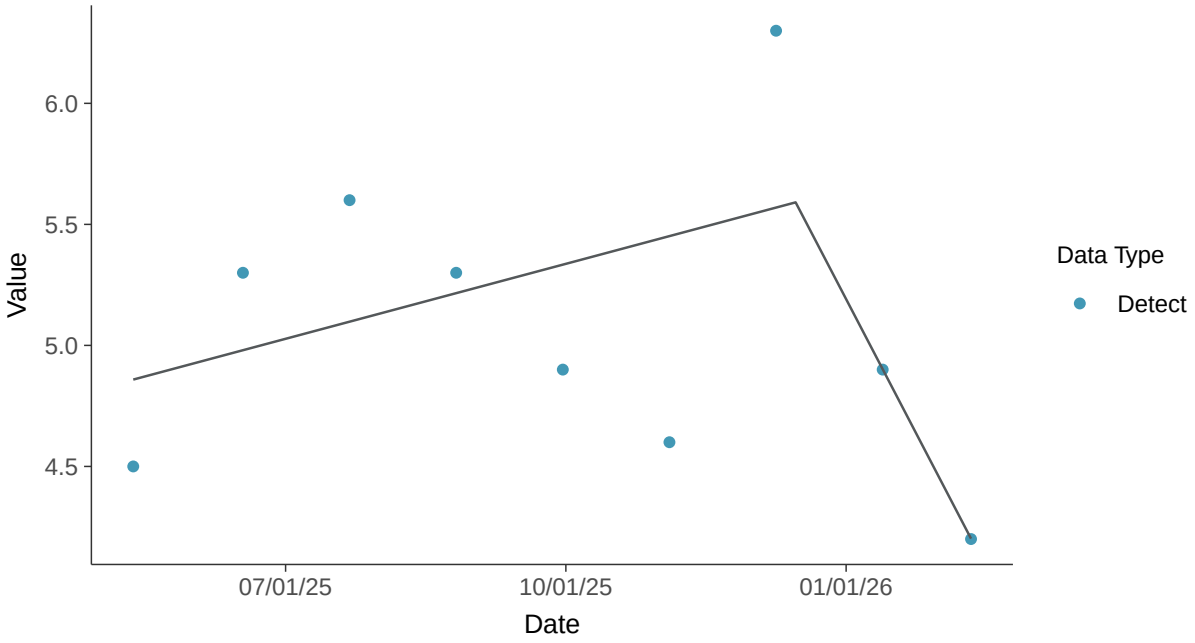
Trend Regression: Lognormal MLE

Iron, MW-19A (mg/l)



Trend Regression: Piecewise Linear-Linear

Iron, MW-19A (mg/l)

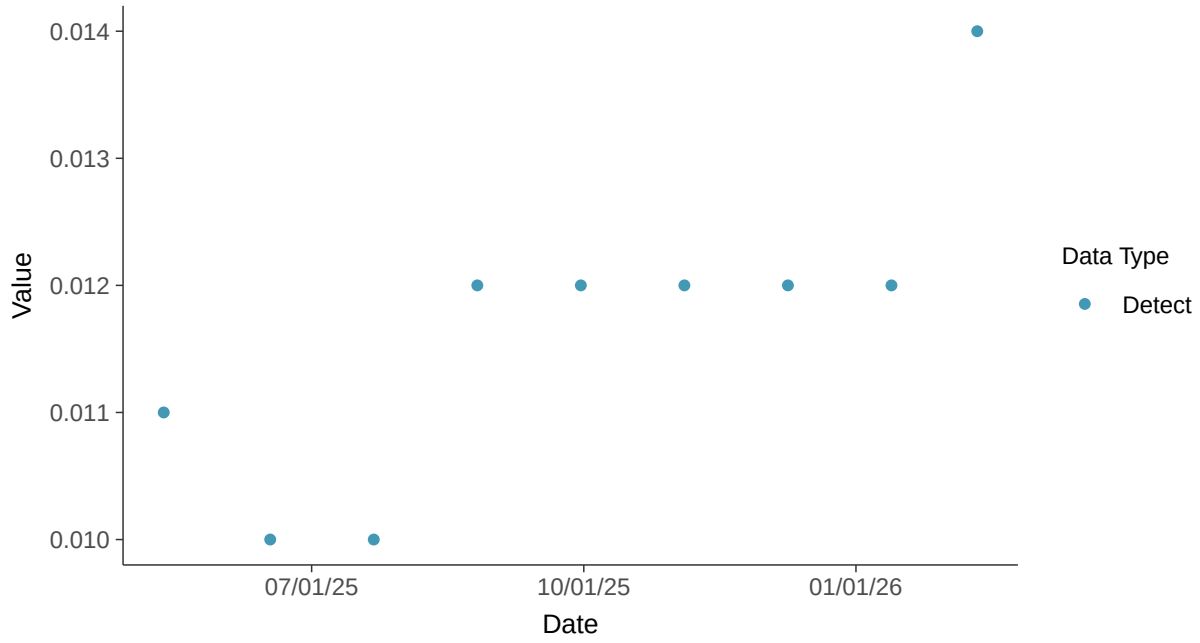


Part 115: Nickel, MW-19A

ID: 30_5_119

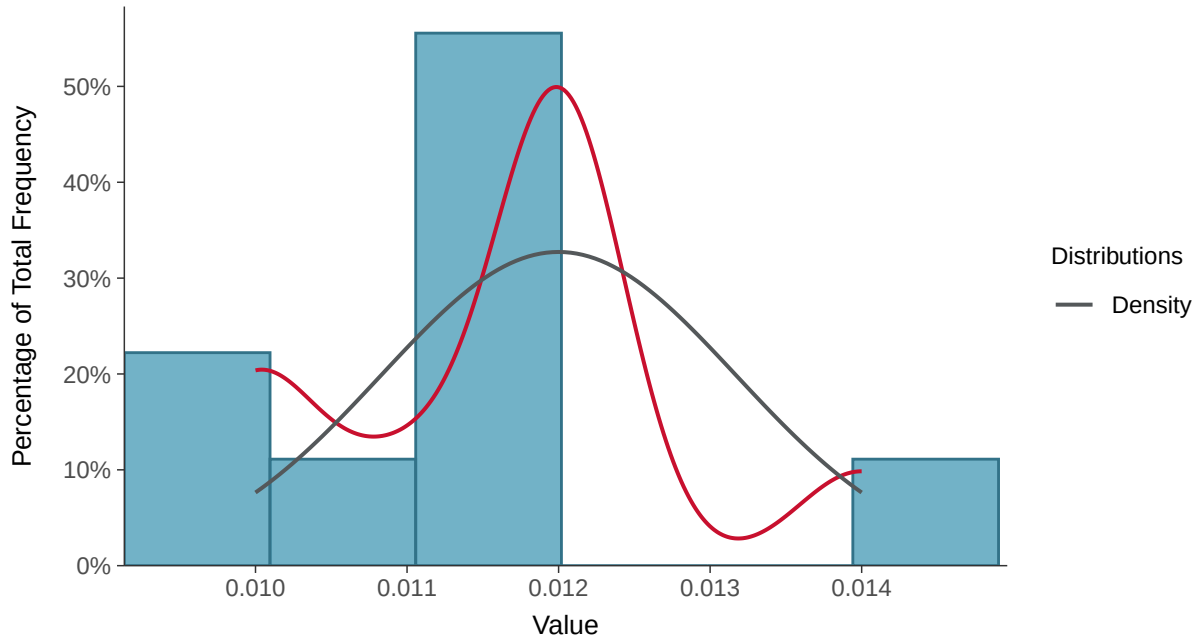
Scatter Plot

Nickel, MW-19A (mg/l)



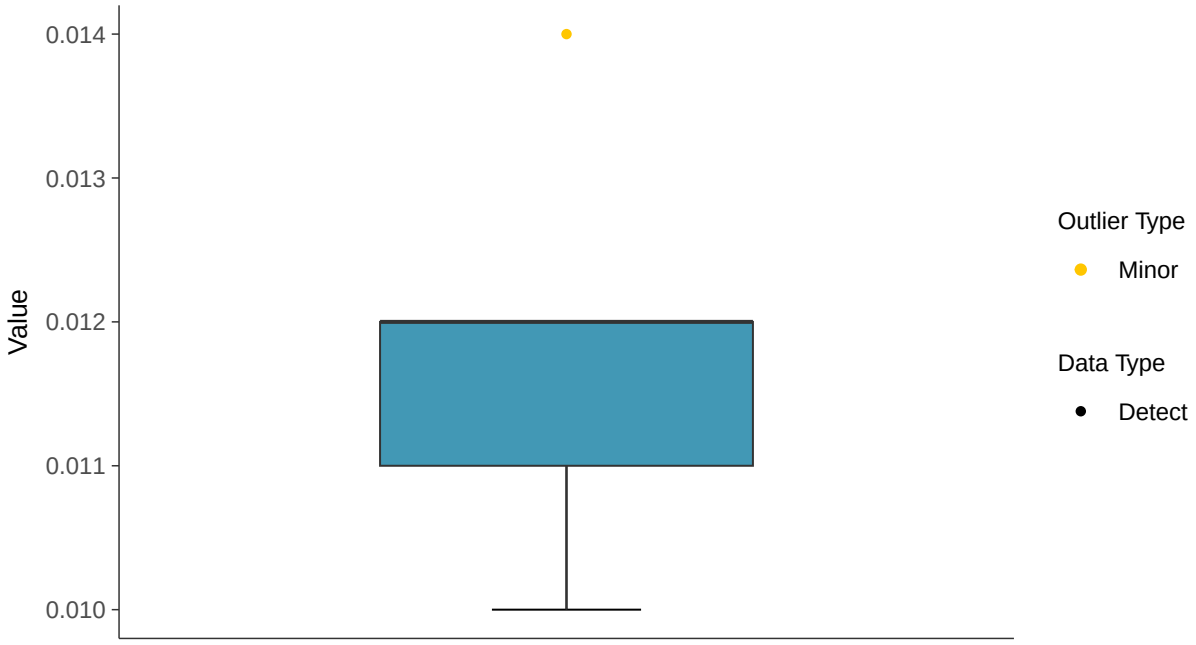
Histogram

Nickel, MW-19A (mg/l)



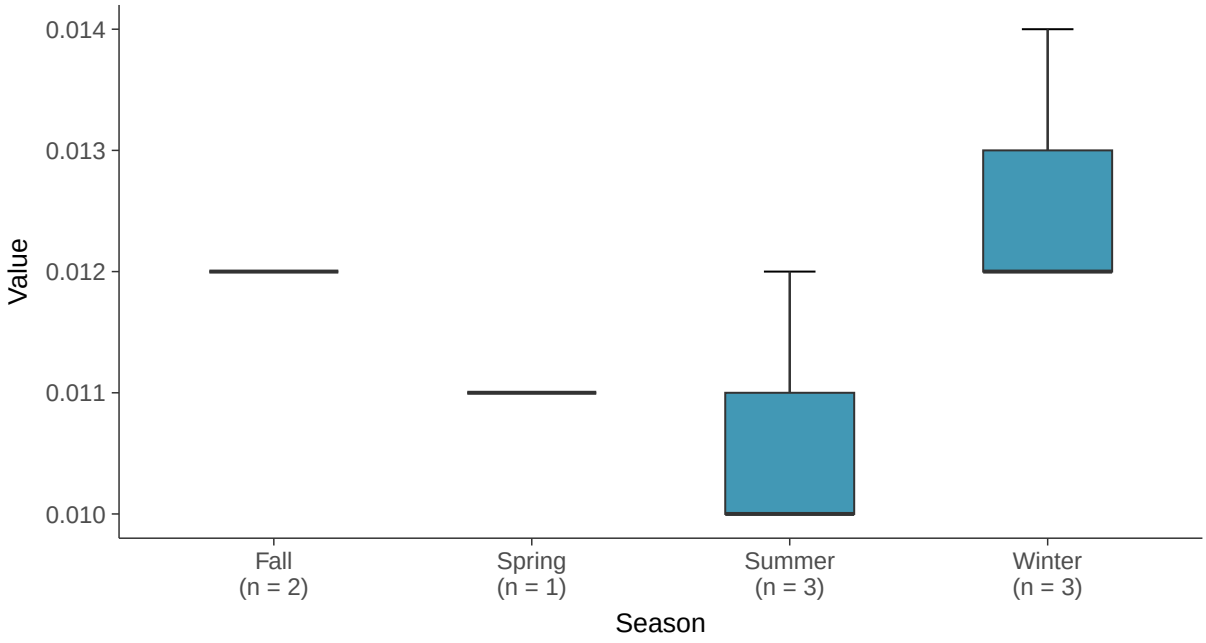
Boxplot

Nickel, MW-19A (mg/l)



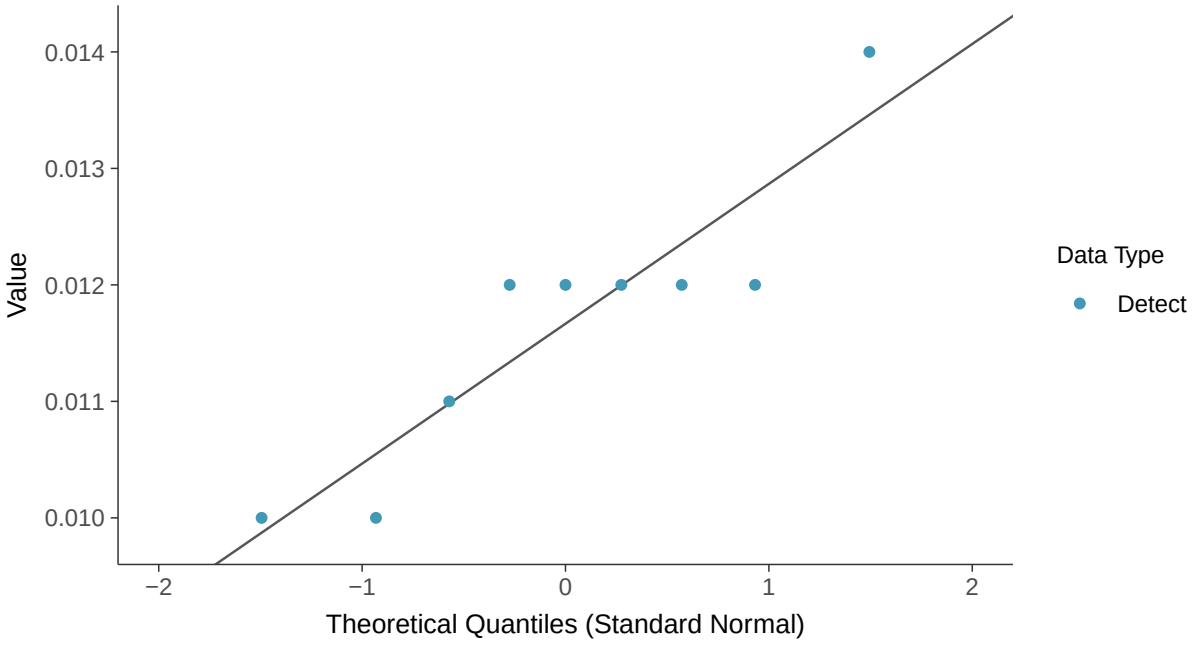
Boxplot by Season

Nickel, MW-19A (mg/l)



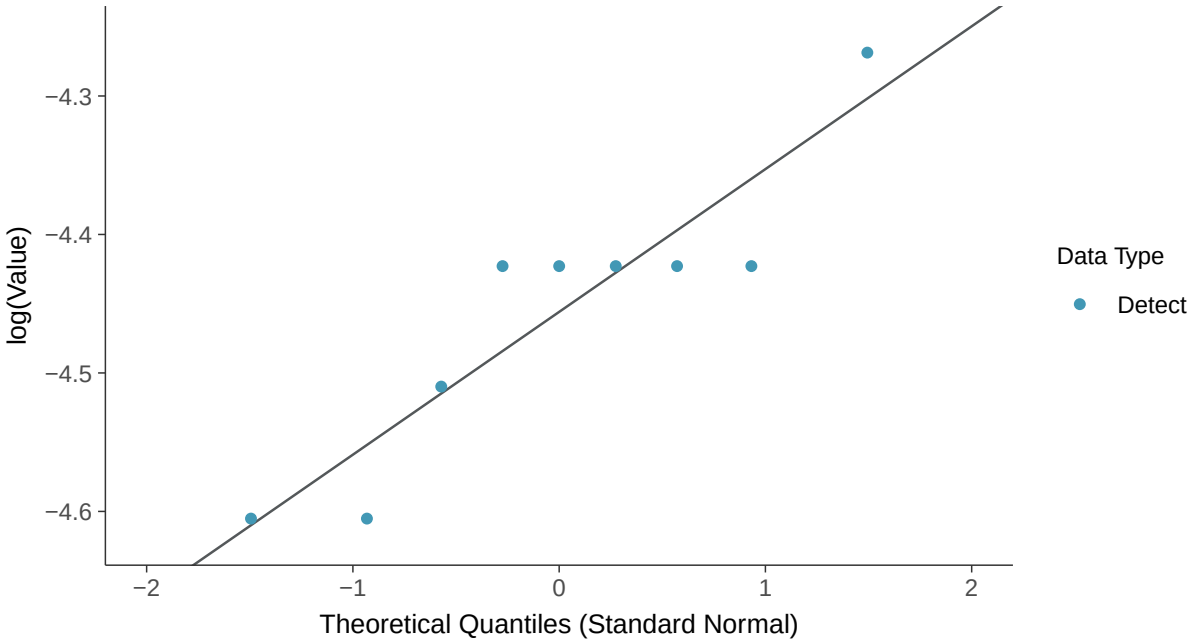
Normal Q-Q plot

Nickel, MW-19A (mg/l)



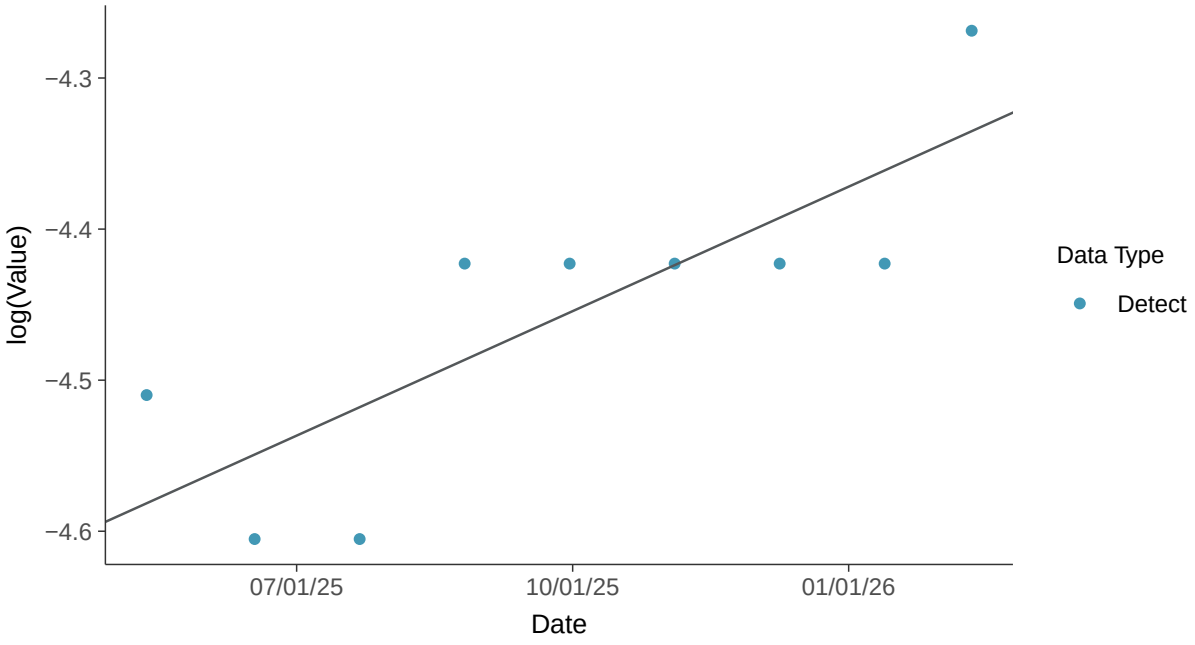
Lognormal Q-Q plot

Nickel, MW-19A (mg/l)



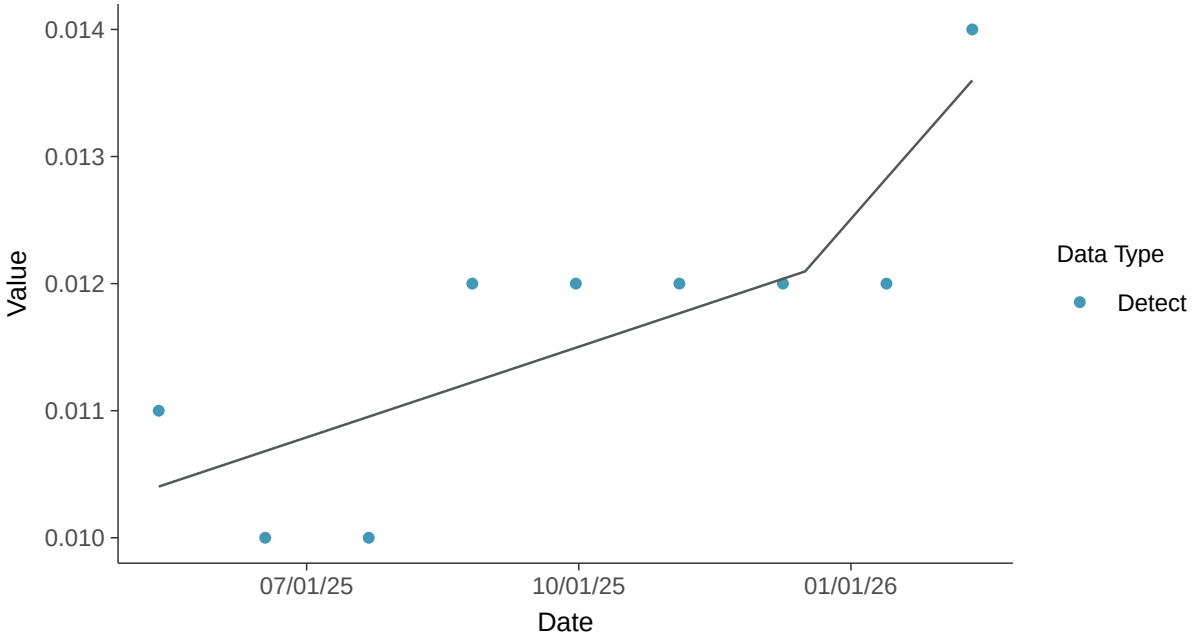
Trend Regression: Lognormal MLE

Nickel, MW-19A (mg/l)



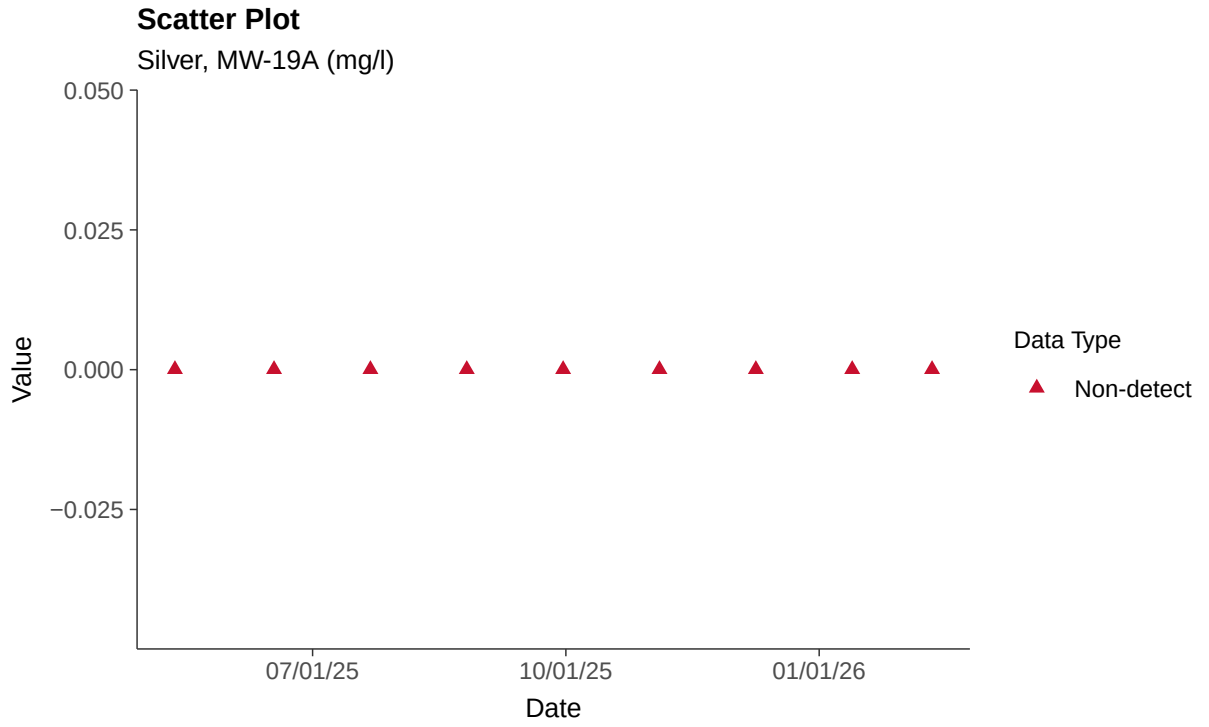
Trend Regression: Piecewise Linear-Linear

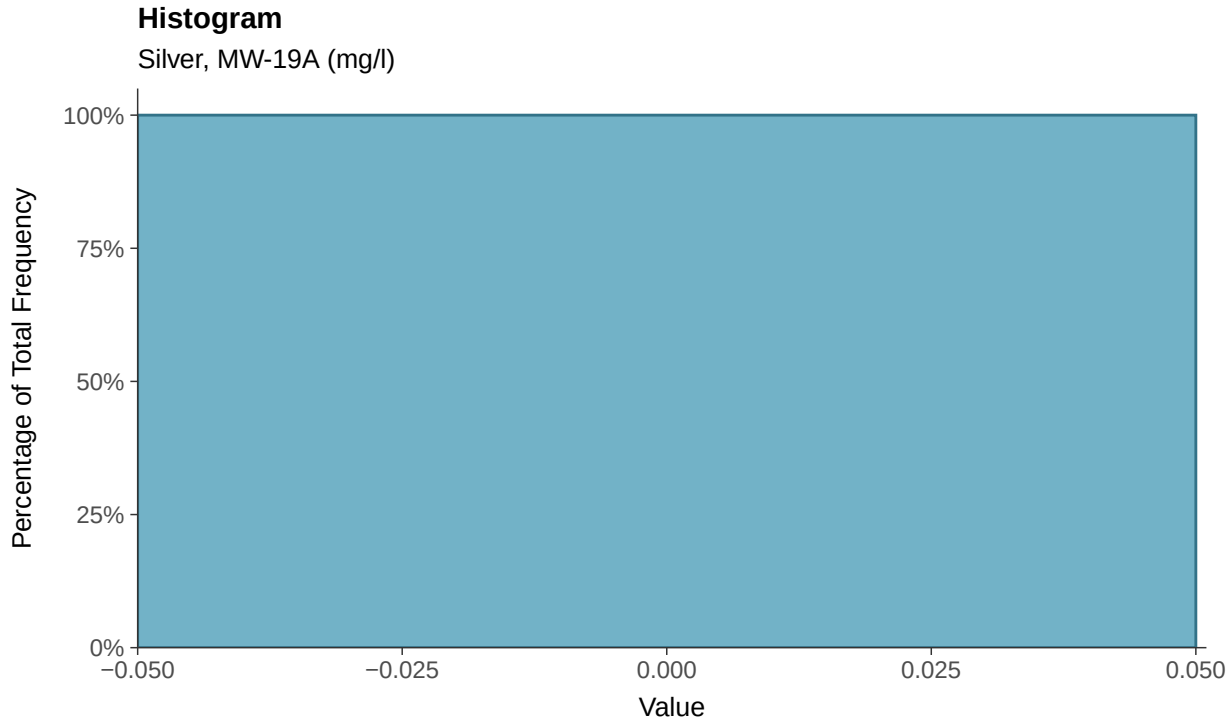
Nickel, MW-19A (mg/l)



Part 115: Silver, MW-19A

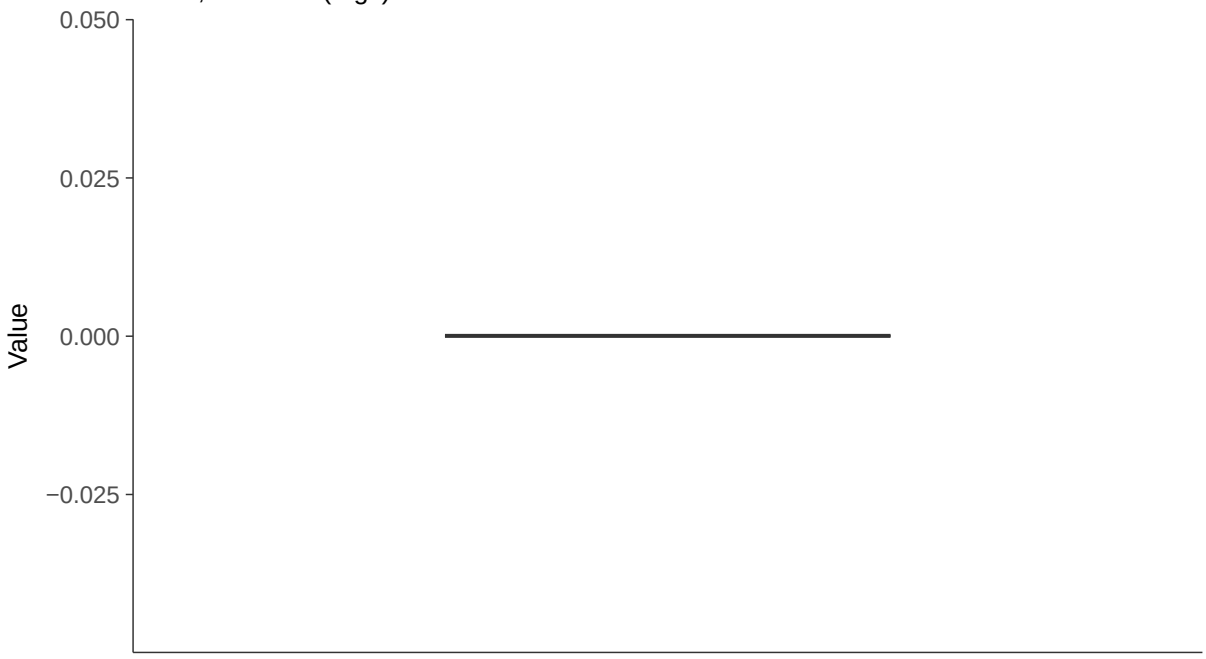
ID: 30_5_123





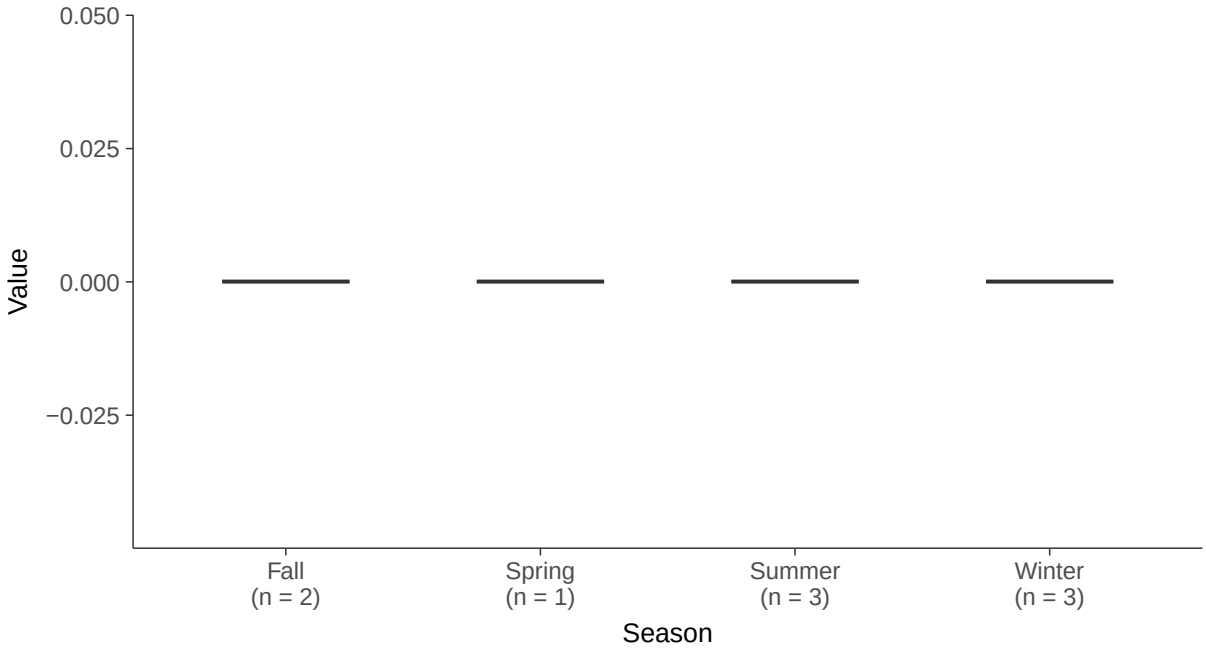
Boxplot

Silver, MW-19A (mg/l)



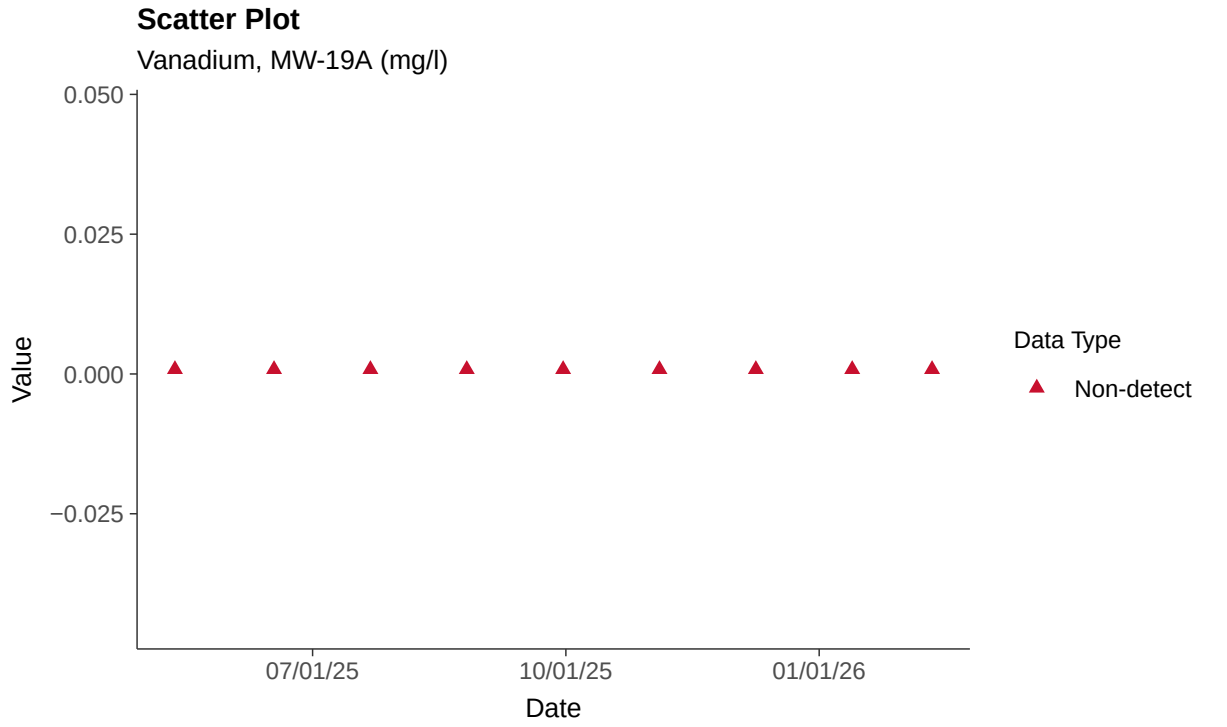
Boxplot by Season

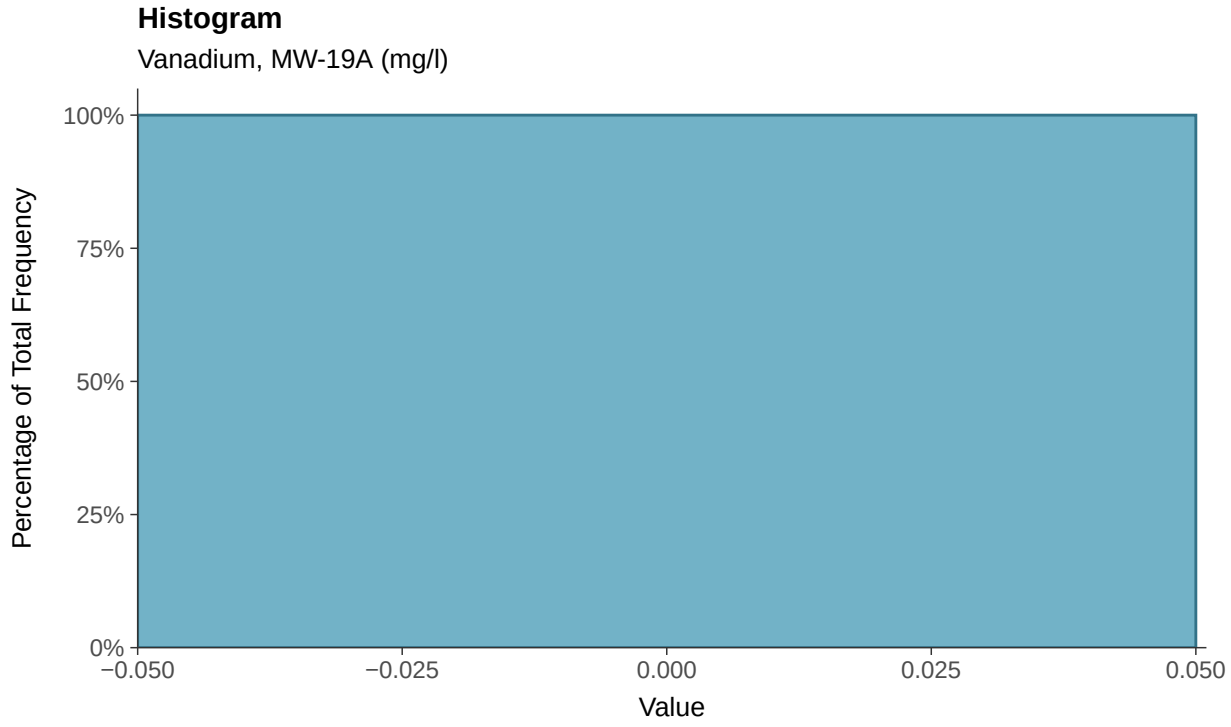
Silver, MW-19A (mg/l)



Part 115: Vanadium, MW-19A

ID: 30_5_128



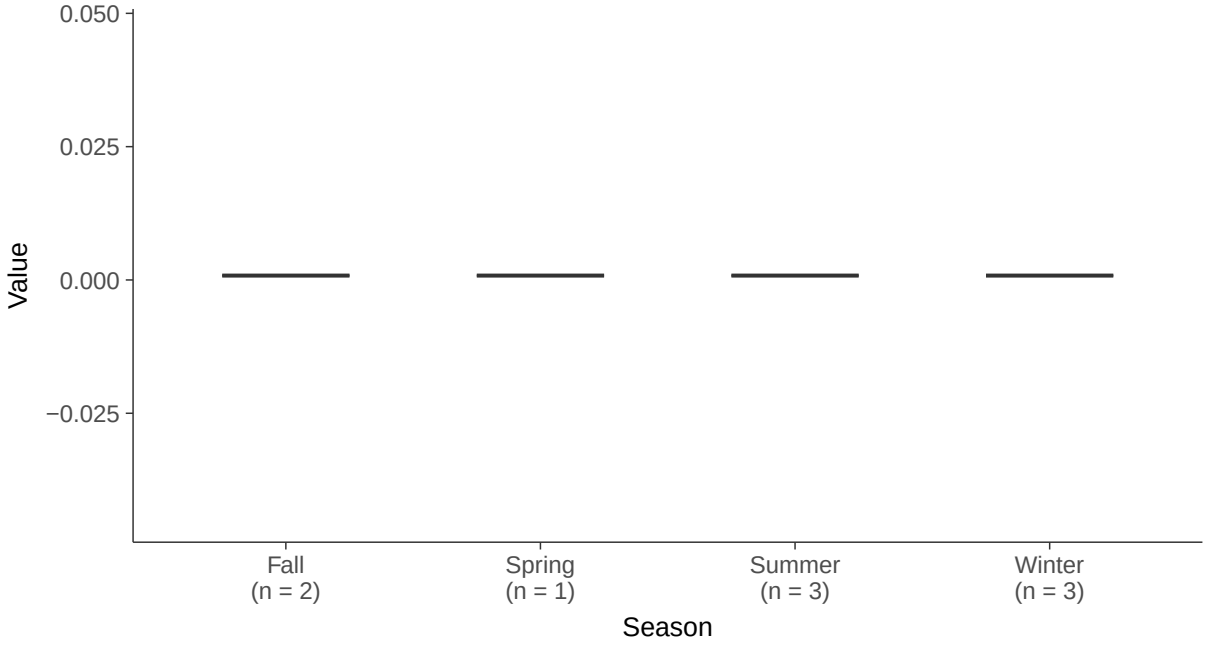


Boxplot

Vanadium, MW-19A (mg/l)

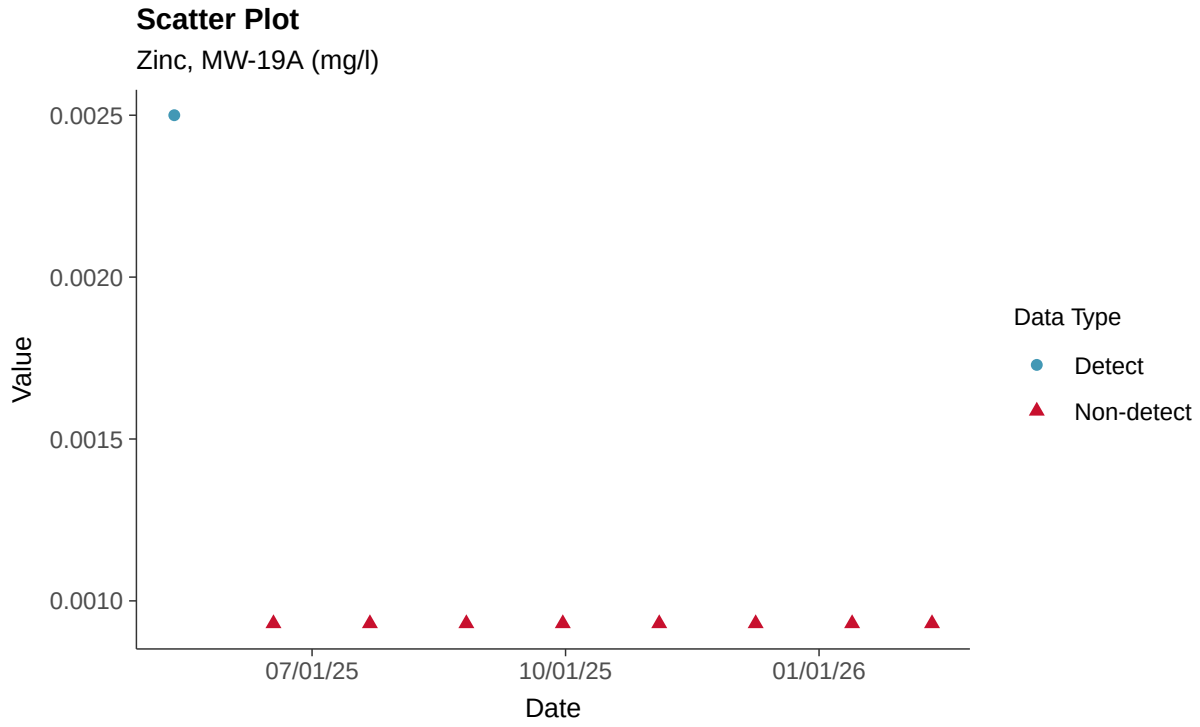
Boxplot by Season

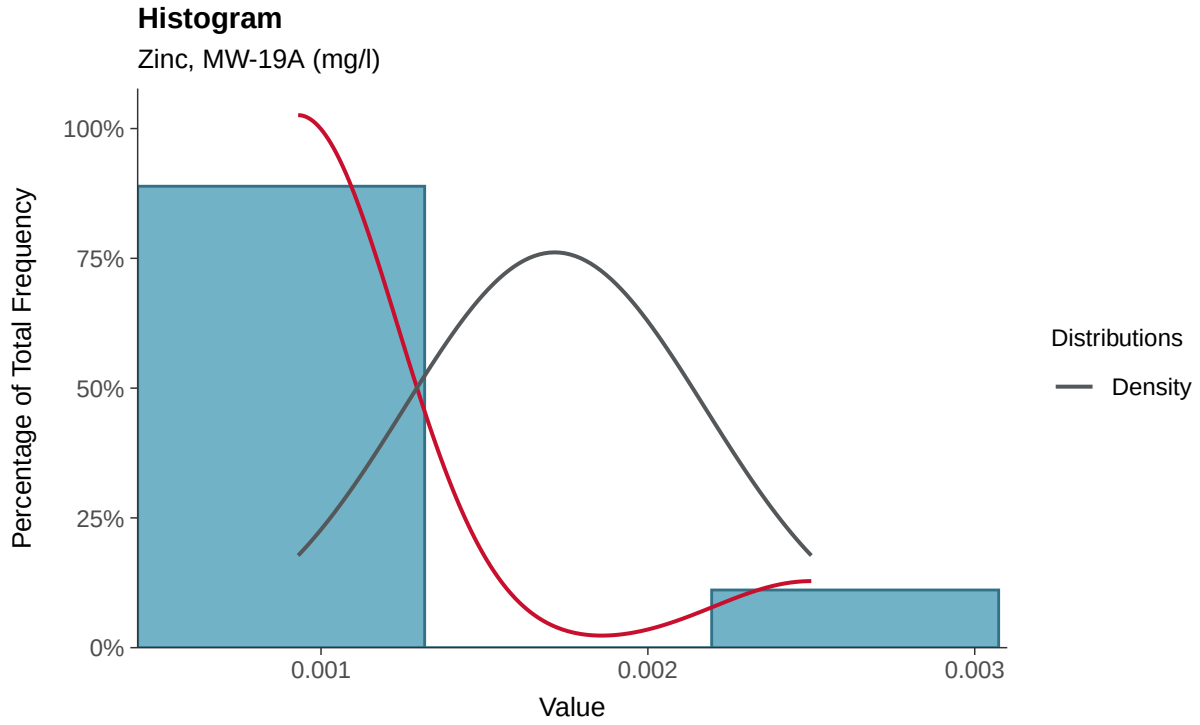
Vanadium, MW-19A (mg/l)



Part 115: Zinc, MW-19A

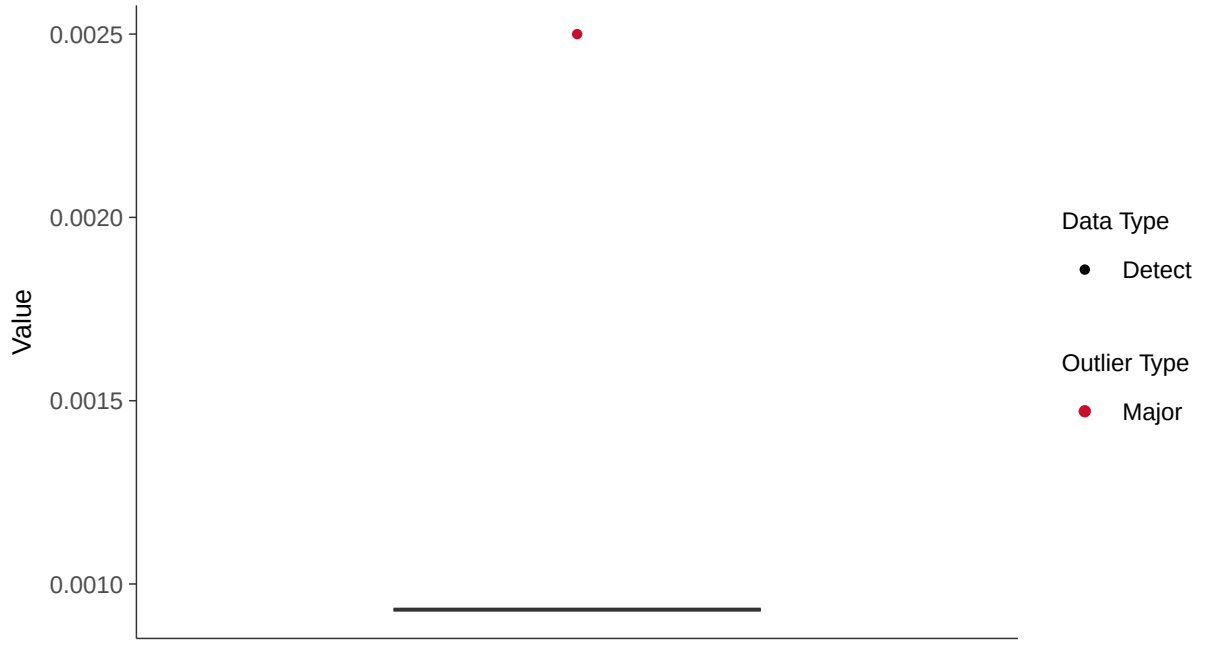
ID: 30_5_129





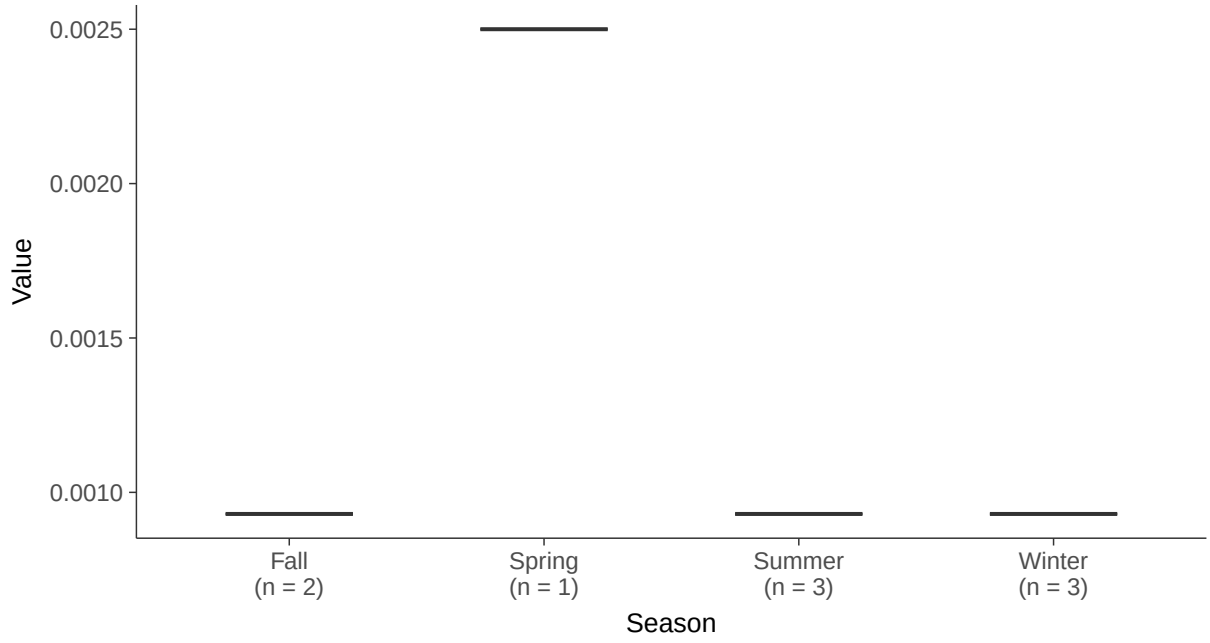
Boxplot

Zinc, MW-19A (mg/l)



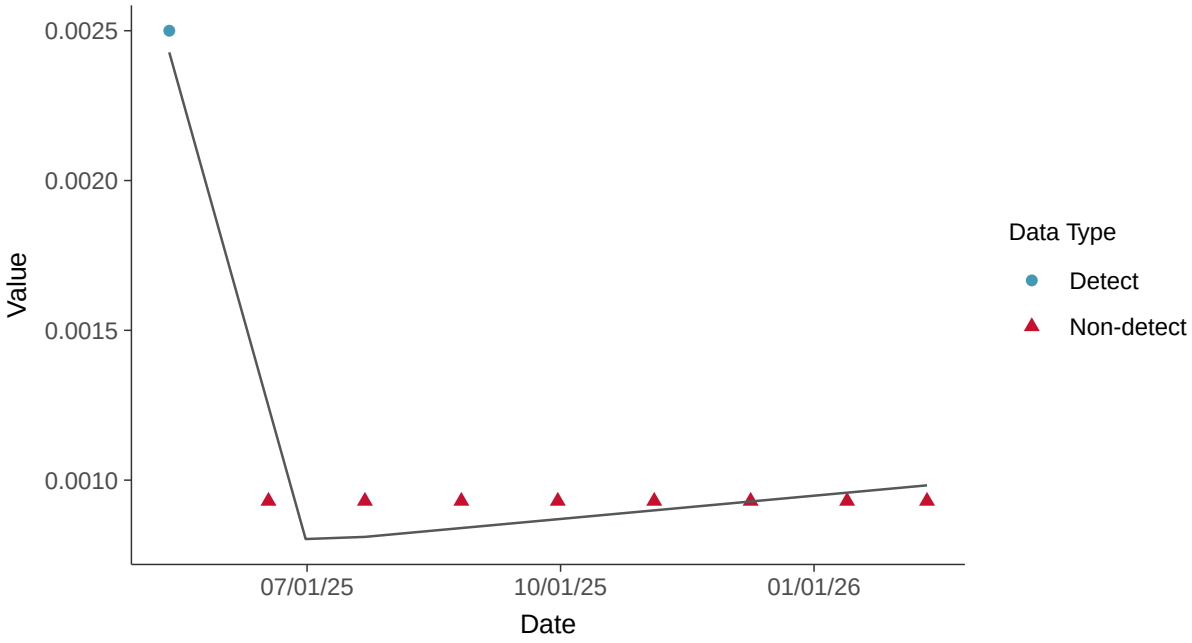
Boxplot by Season

Zinc, MW-19A (mg/l)



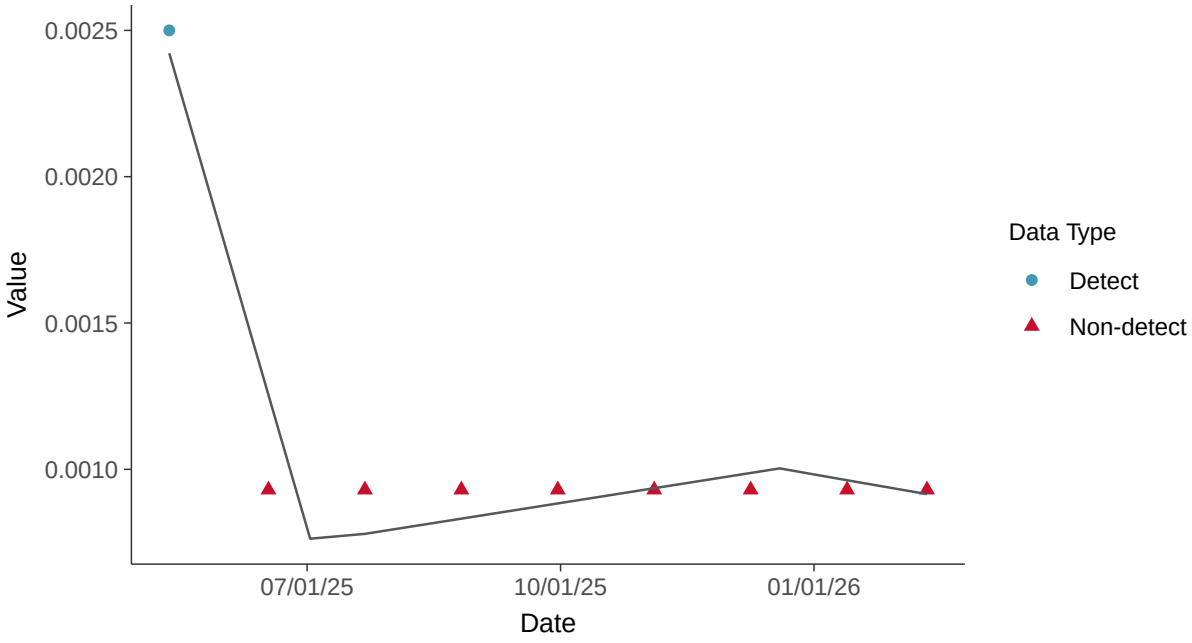
Trend Regression: Piecewise Linear-Linear

Zinc, MW-19A (mg/l)



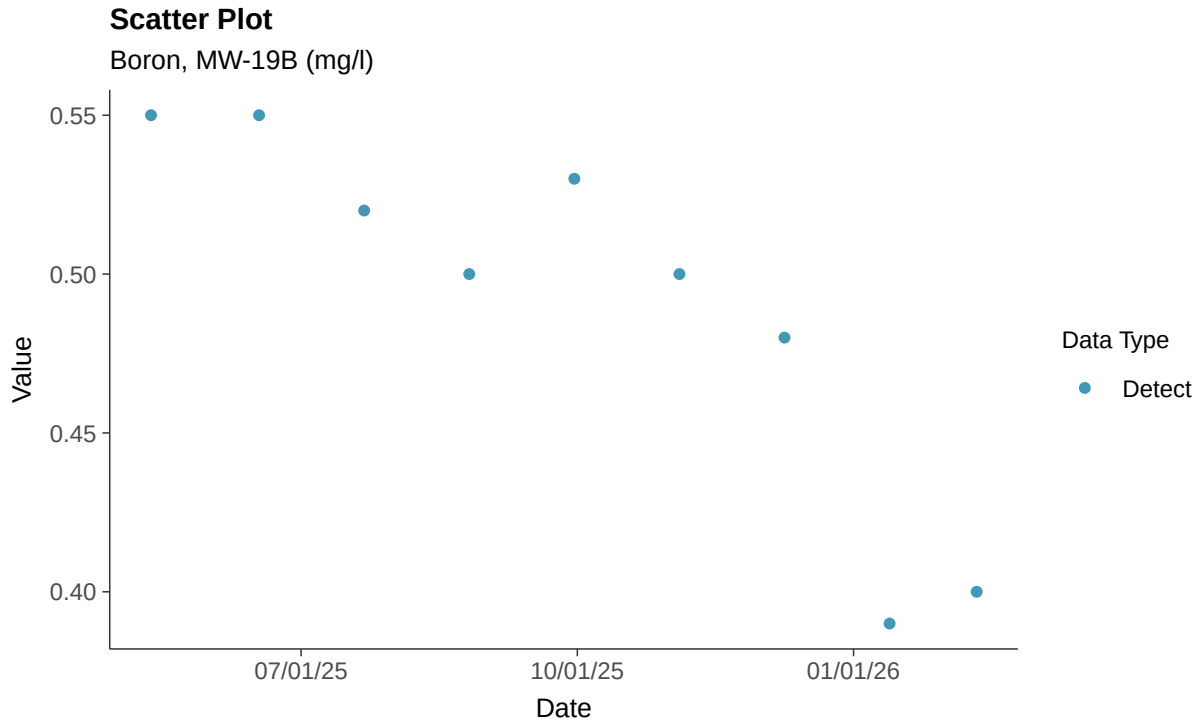
Trend Regression: Piecewise Linear-Linear-Linear

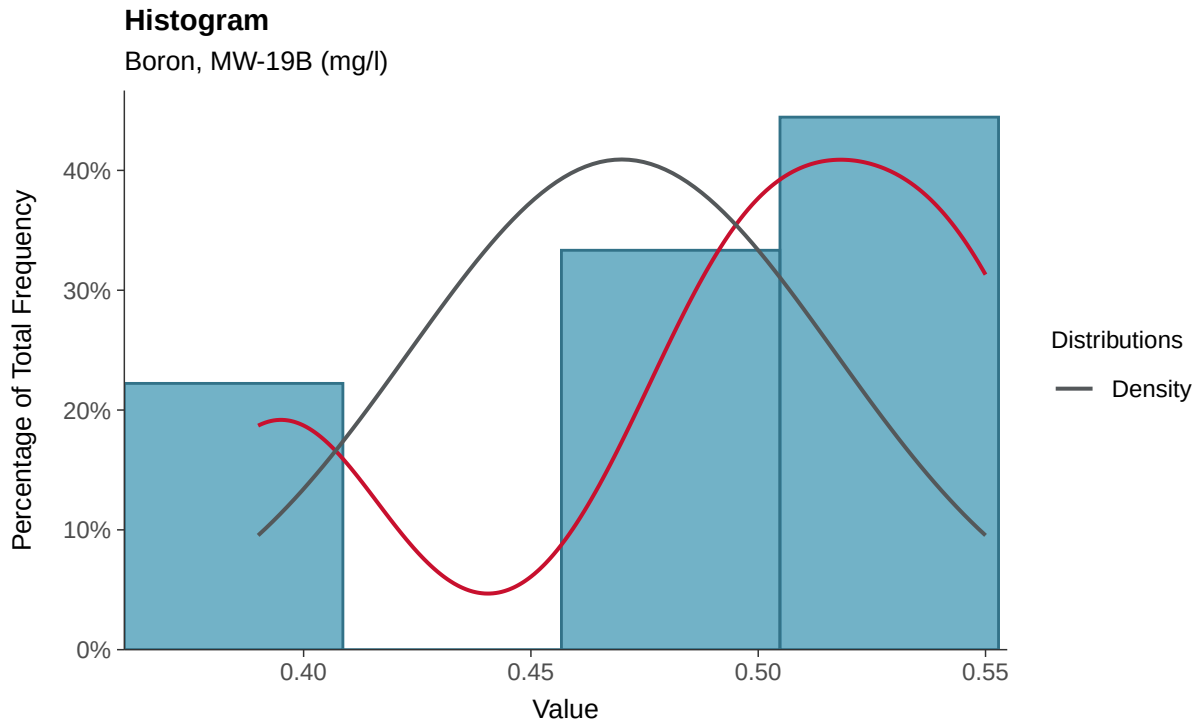
Zinc, MW-19A (mg/l)



Appendix III: Boron, MW-19B

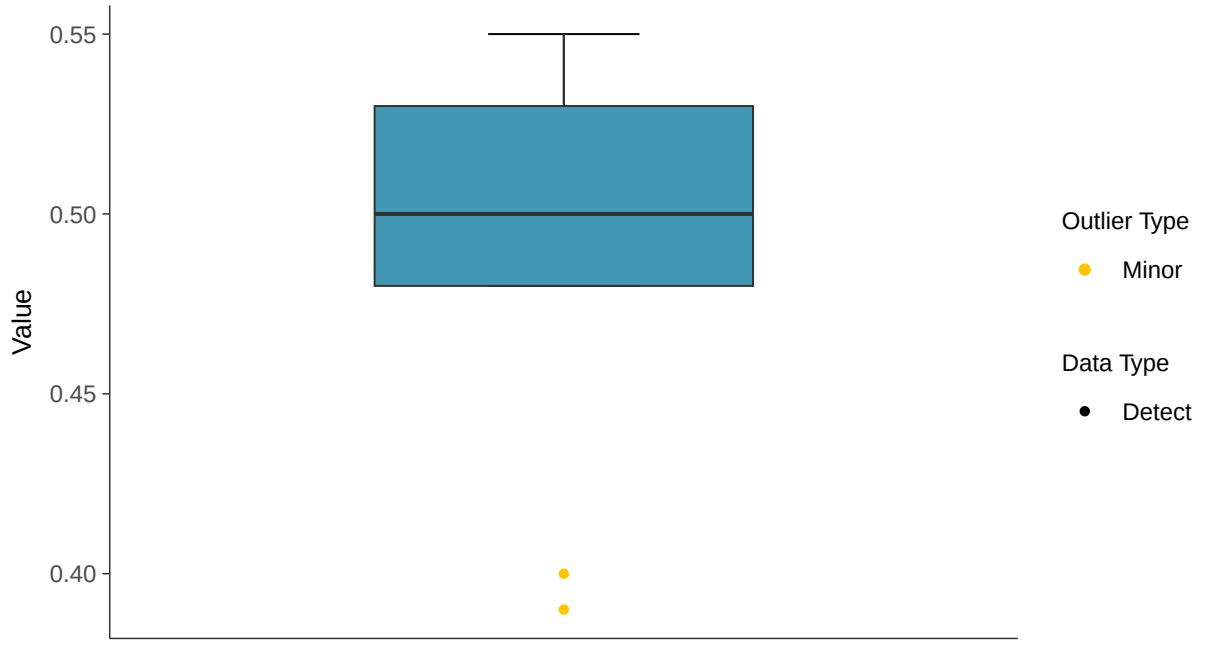
ID: 31_2_105





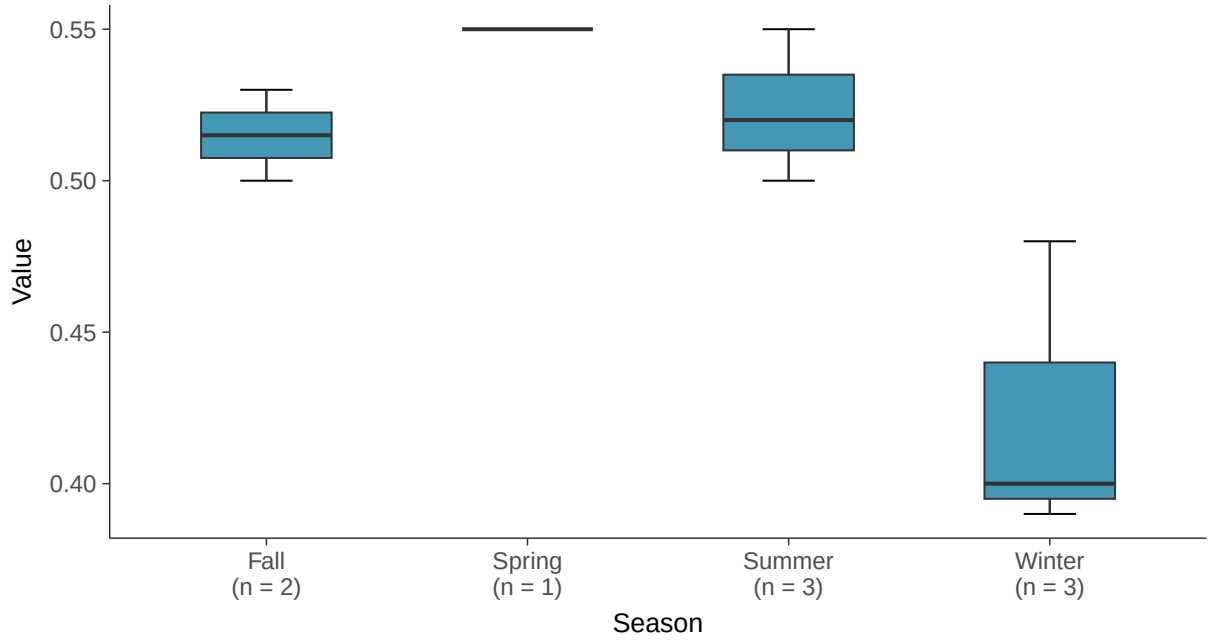
Boxplot

Boron, MW-19B (mg/l)



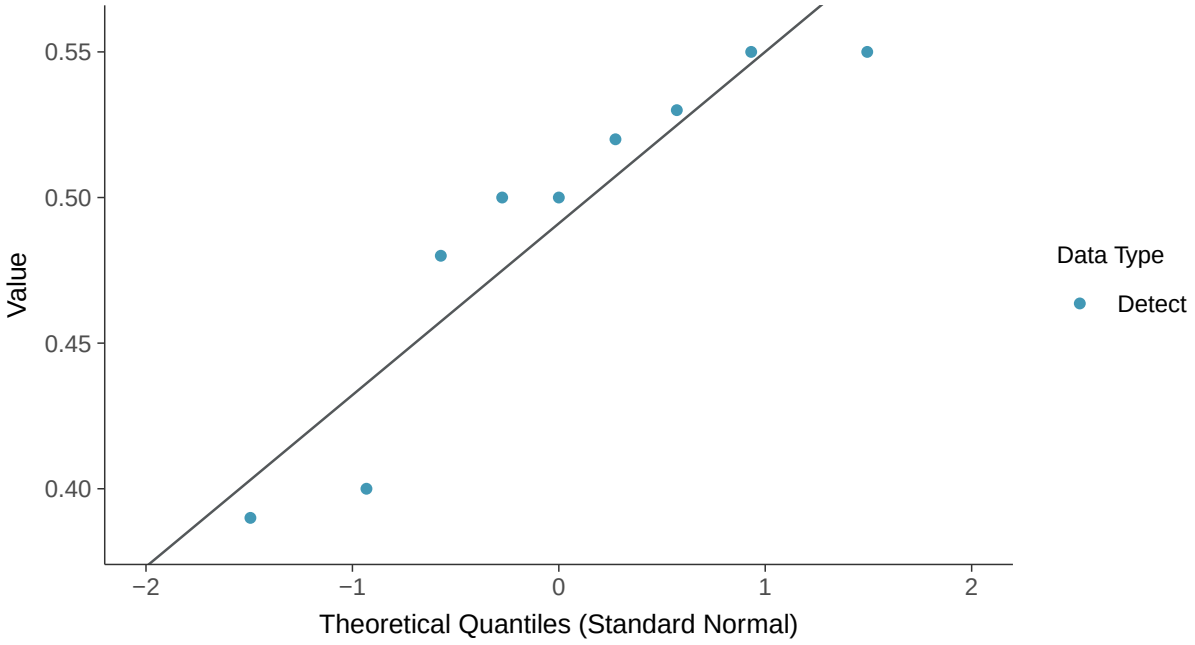
Boxplot by Season

Boron, MW-19B (mg/l)



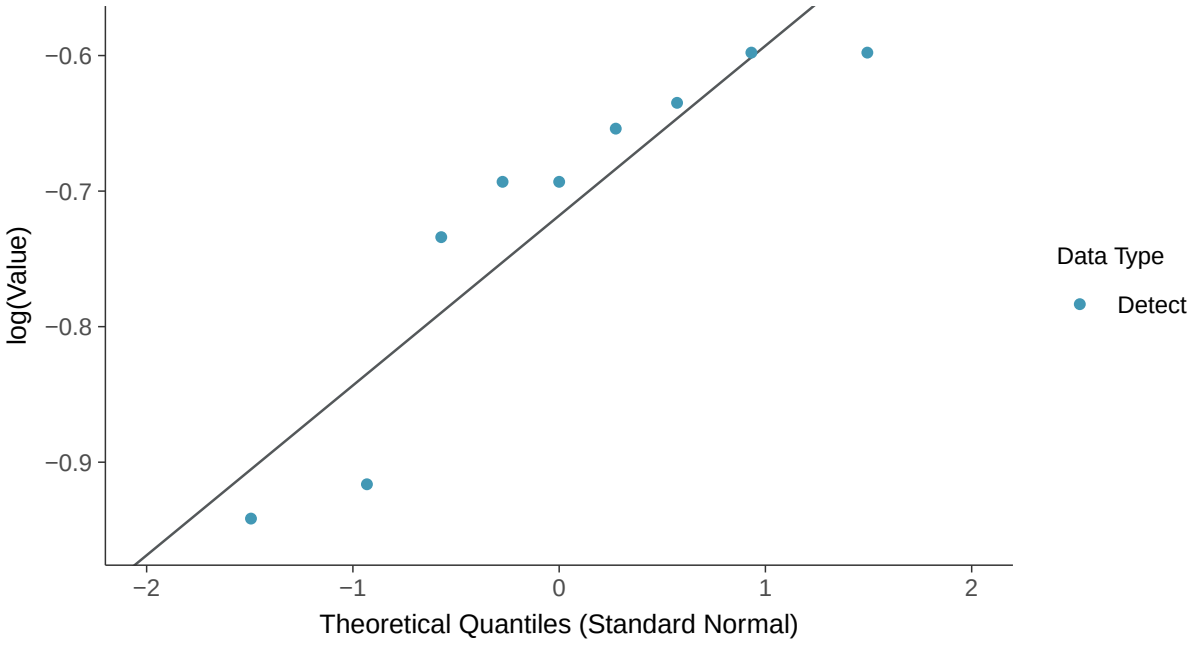
Normal Q-Q plot

Boron, MW-19B (mg/l)



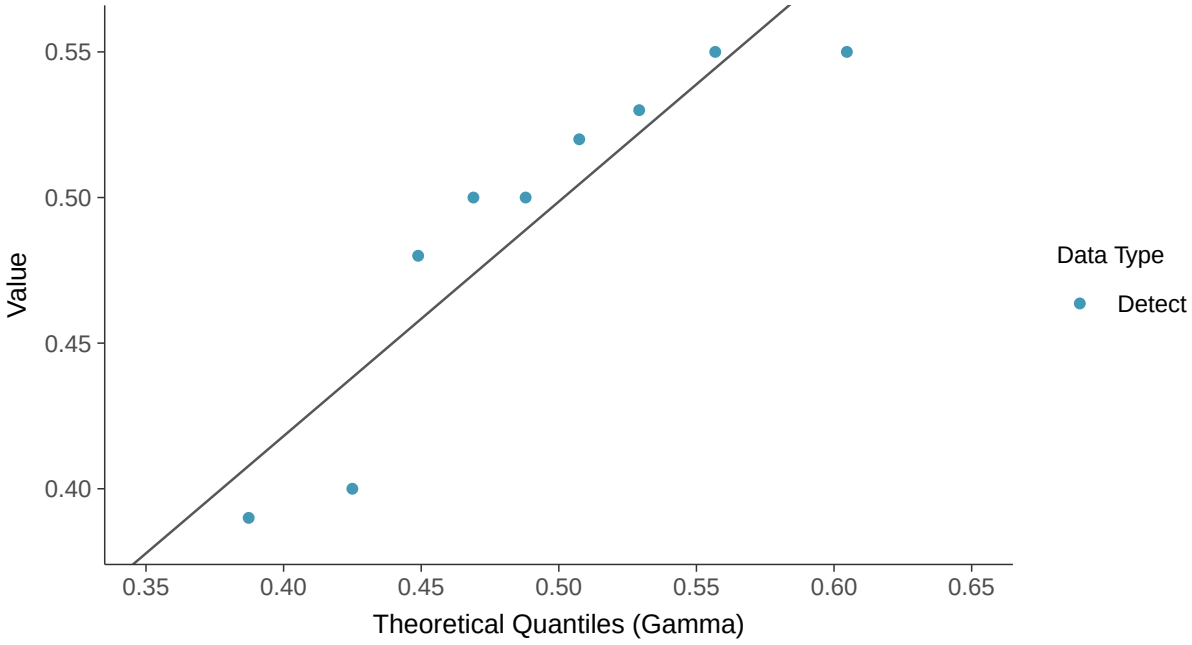
Lognormal Q-Q plot

Boron, MW-19B (mg/l)



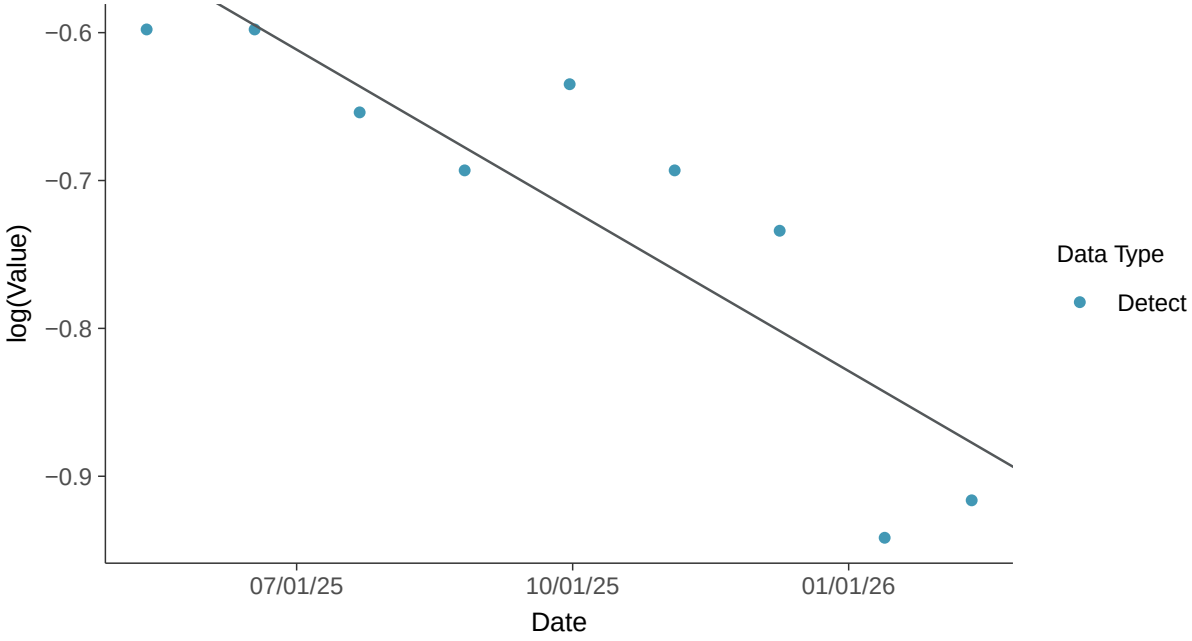
Gamma Q-Q plot

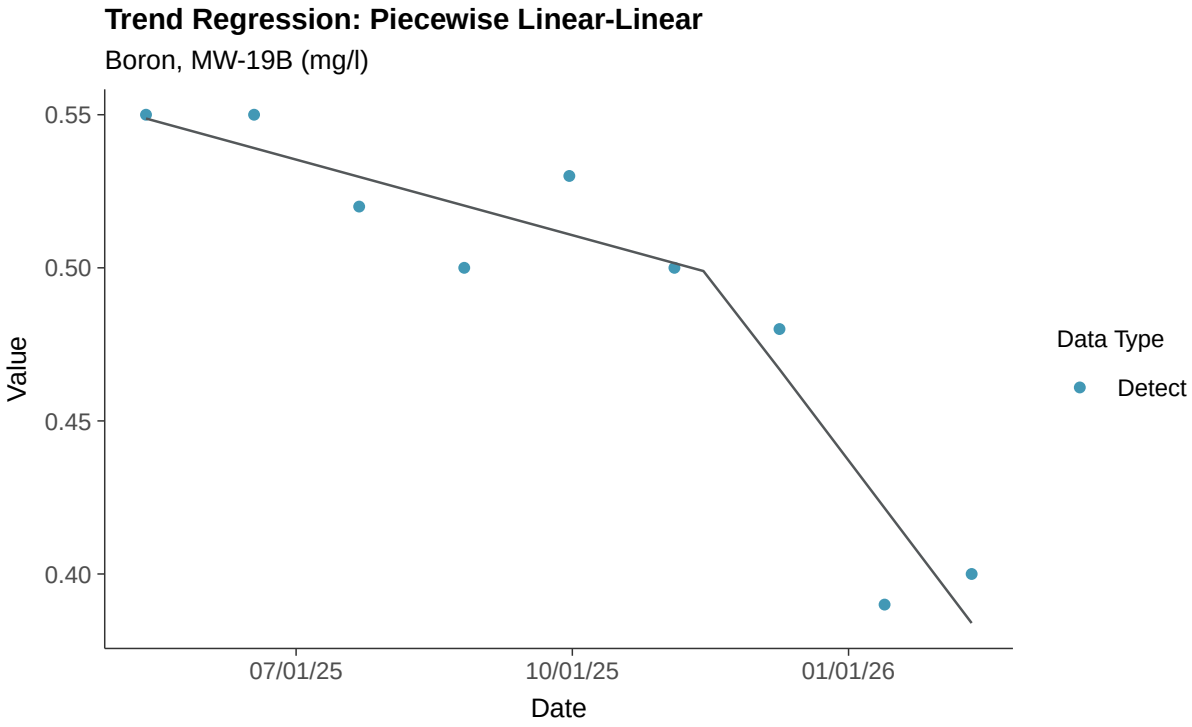
Boron, MW-19B (mg/l)



Trend Regression: Lognormal MLE

Boron, MW-19B (mg/l)



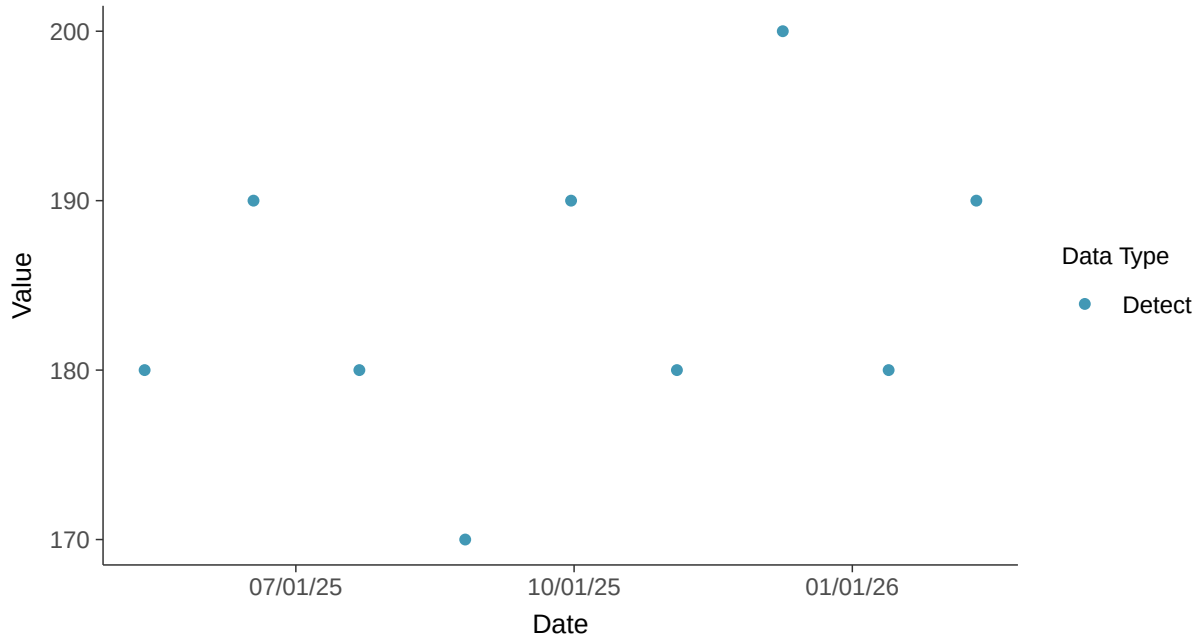

Trend Regression: Piecewise Linear-Linear
Boron, MW-19B (mg/l)
0.55
0.50
0.45
0.40
Value
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Calcium, MW-19B

ID: 31_2_107

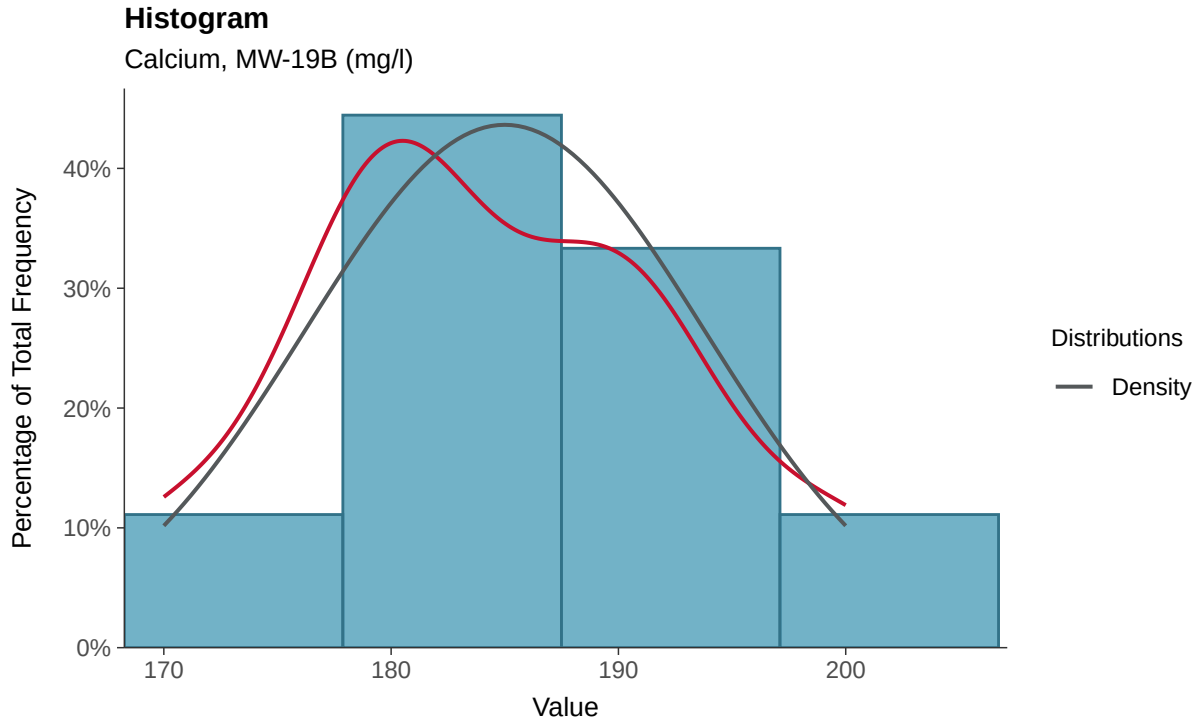
Scatter Plot

Calcium, MW-19B (mg/l)



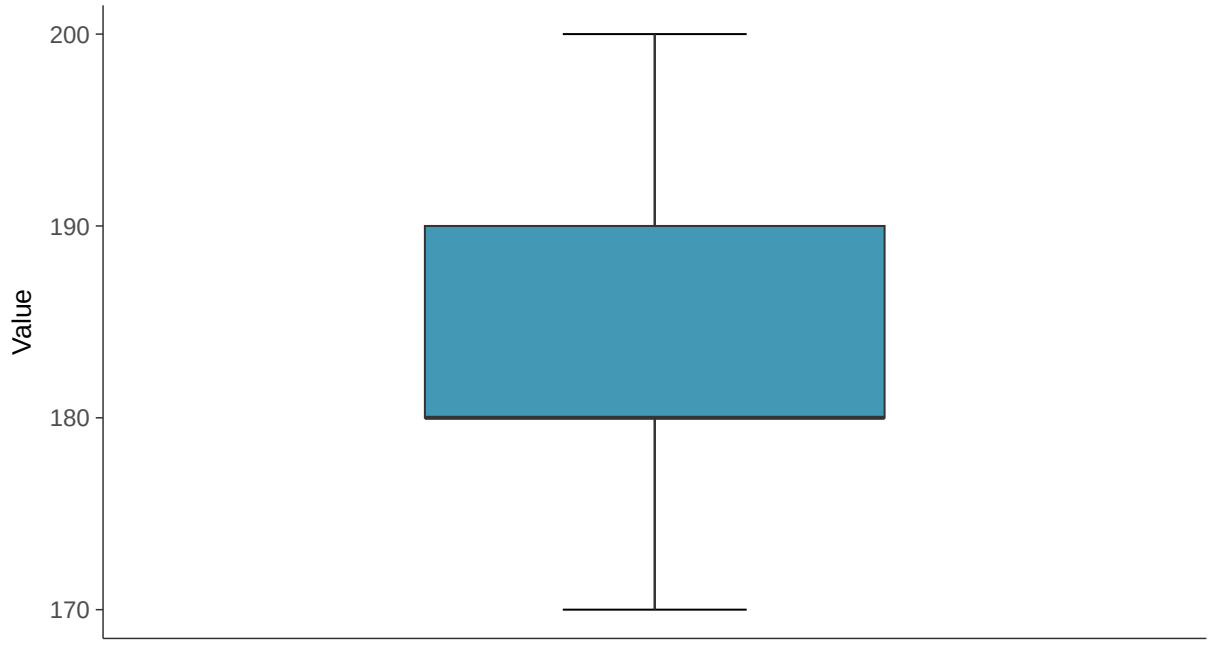
Histogram

Calcium, MW-19B (mg/l)



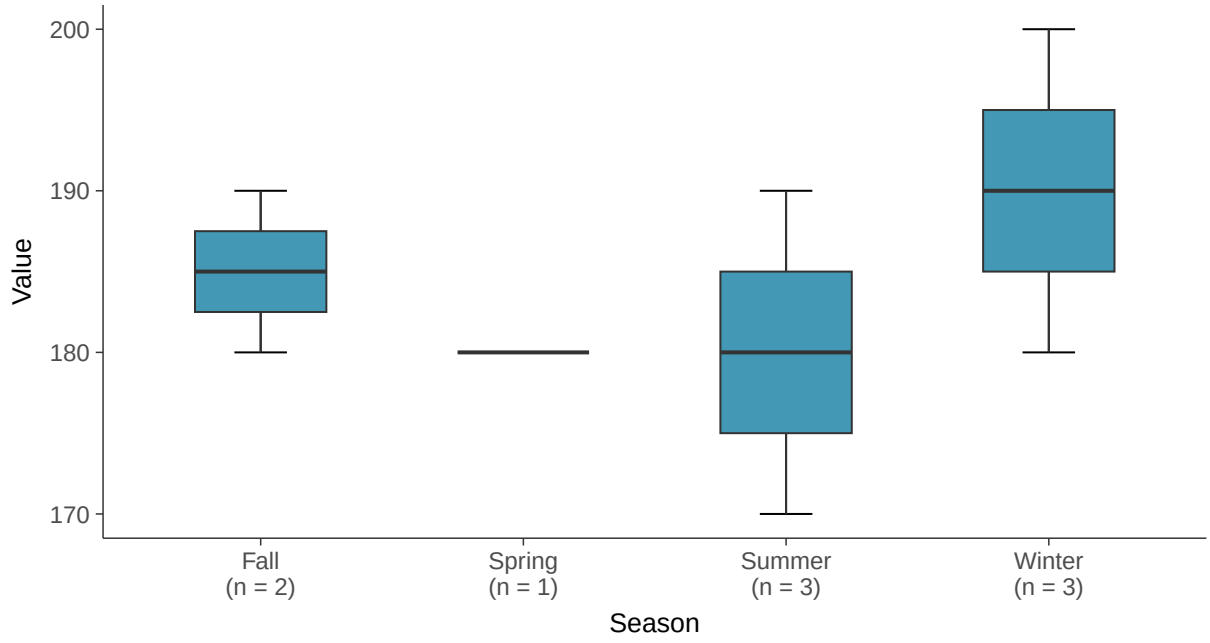
Boxplot

Calcium, MW-19B (mg/l)



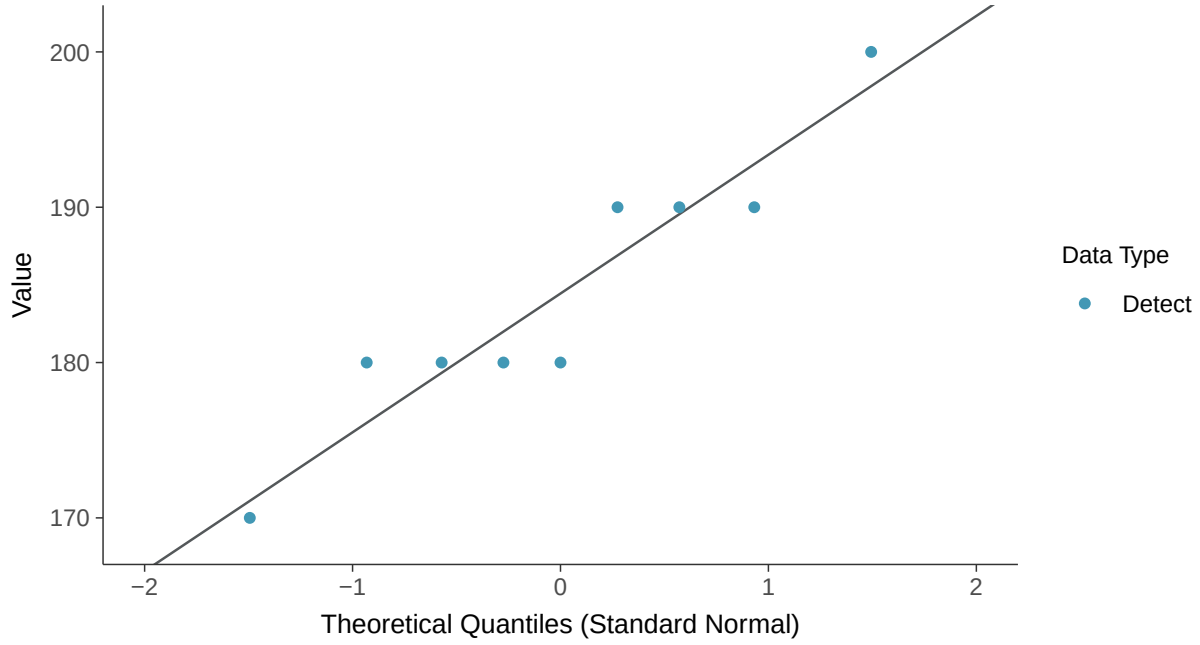
Boxplot by Season

Calcium, MW-19B (mg/l)



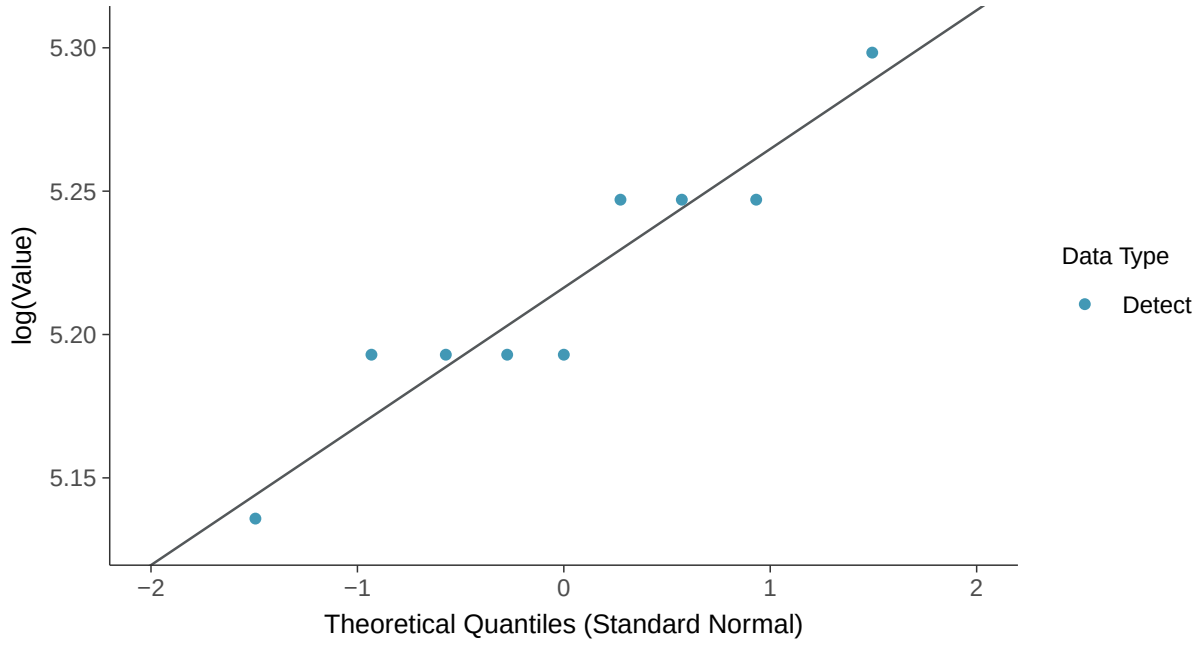
Normal Q-Q plot

Calcium, MW-19B (mg/l)



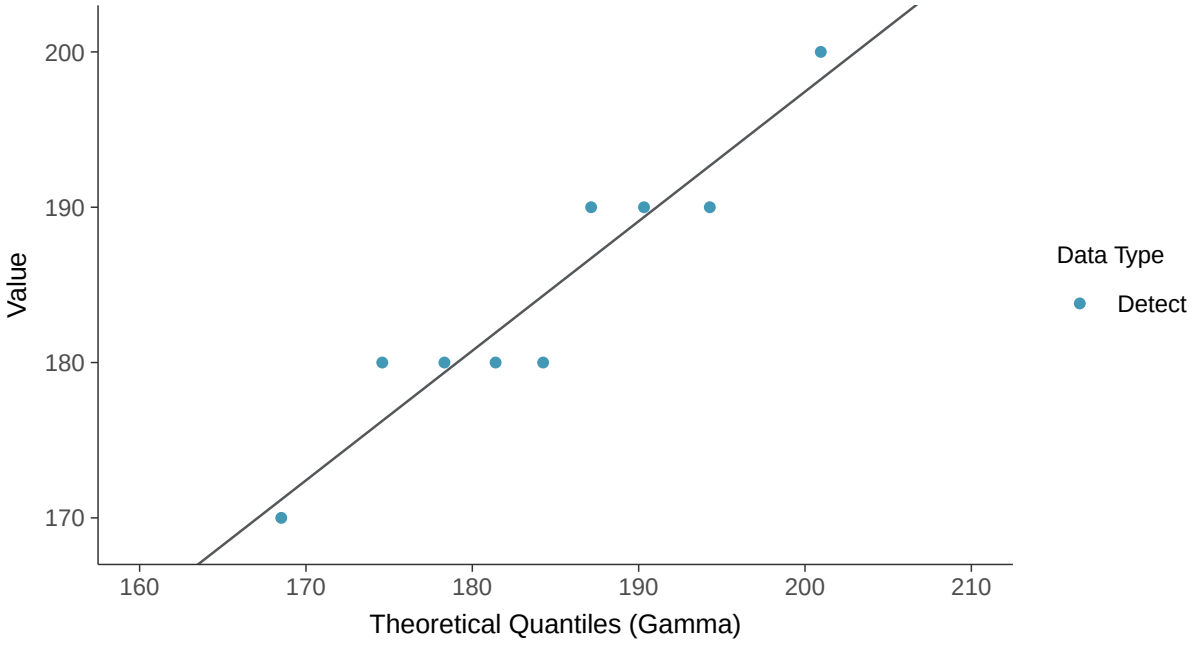
Lognormal Q-Q plot

Calcium, MW-19B (mg/l)



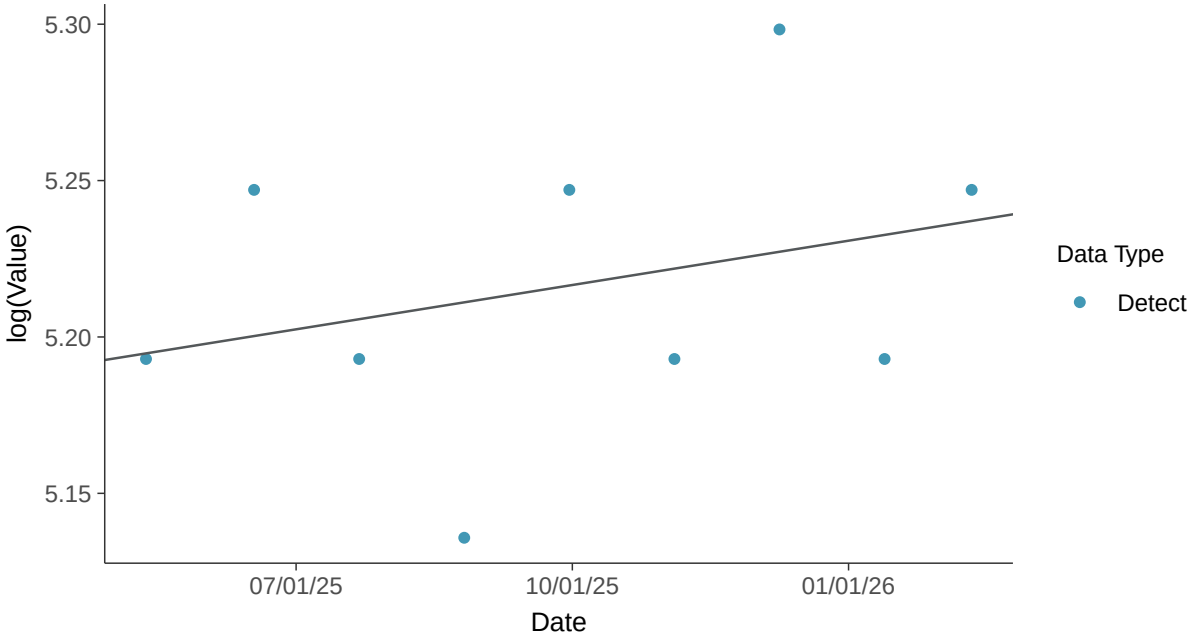
Gamma Q-Q plot

Calcium, MW-19B (mg/l)



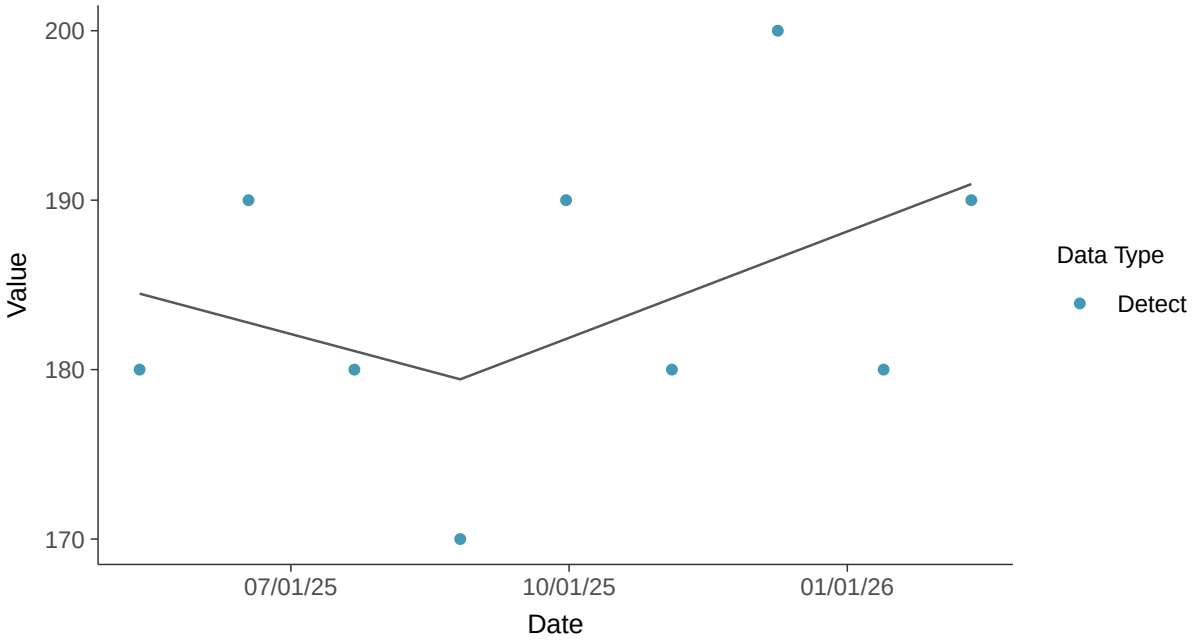
Trend Regression: Lognormal MLE

Calcium, MW-19B (mg/l)



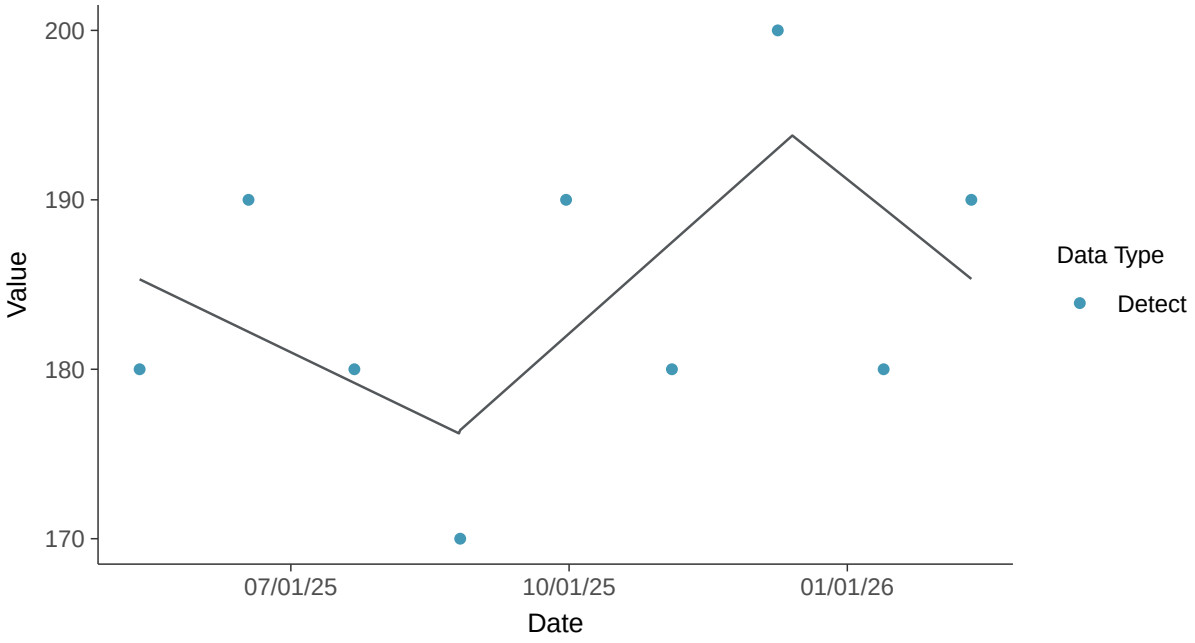
Trend Regression: Piecewise Linear-Linear

Calcium, MW-19B (mg/l)



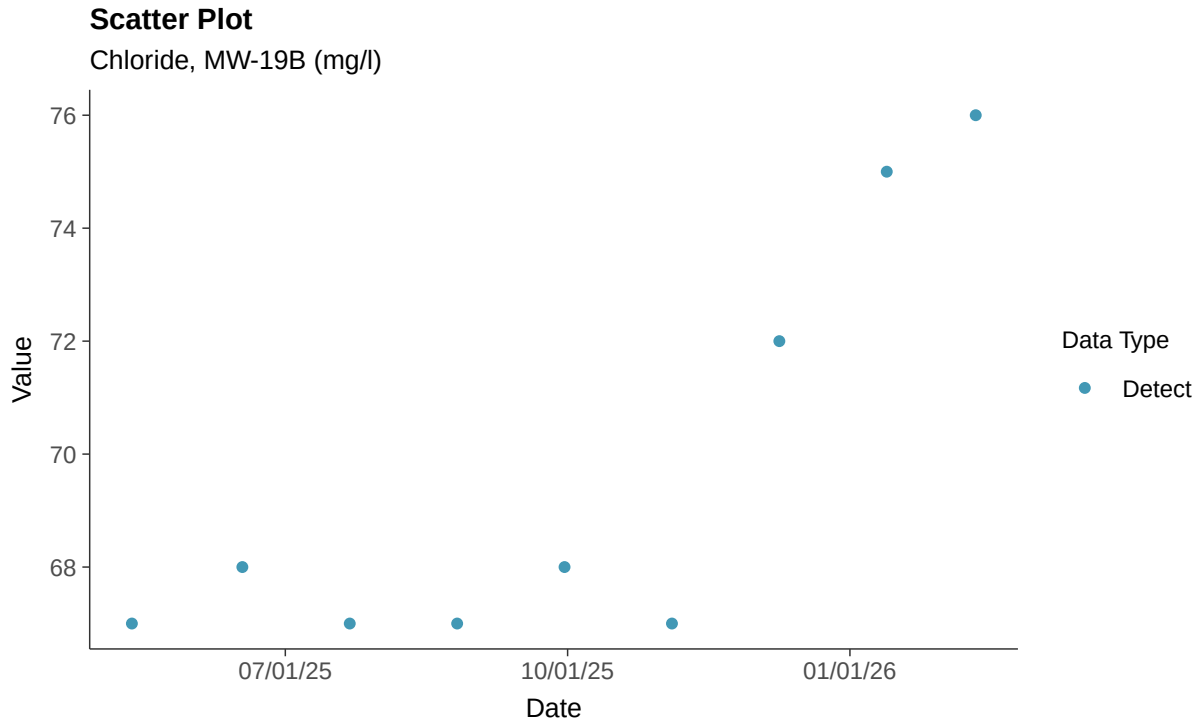
Trend Regression: Piecewise Linear-Linear-Linear

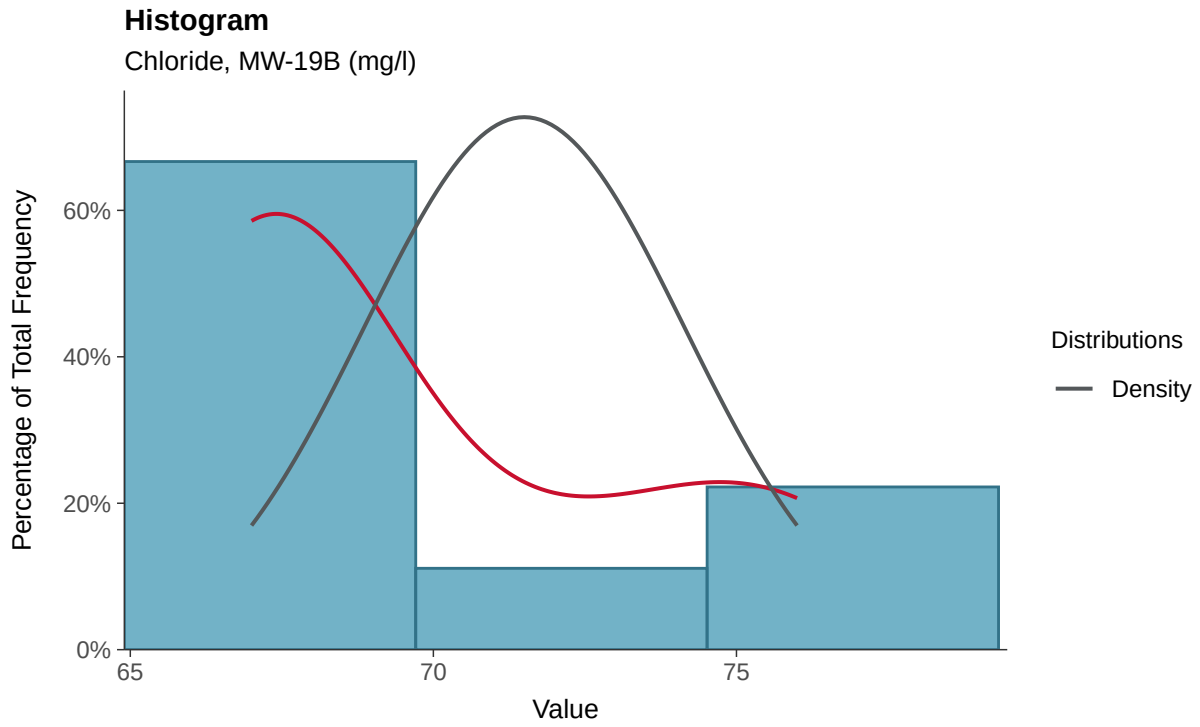
Calcium, MW-19B (mg/l)



Appendix III: Chloride, MW-19B

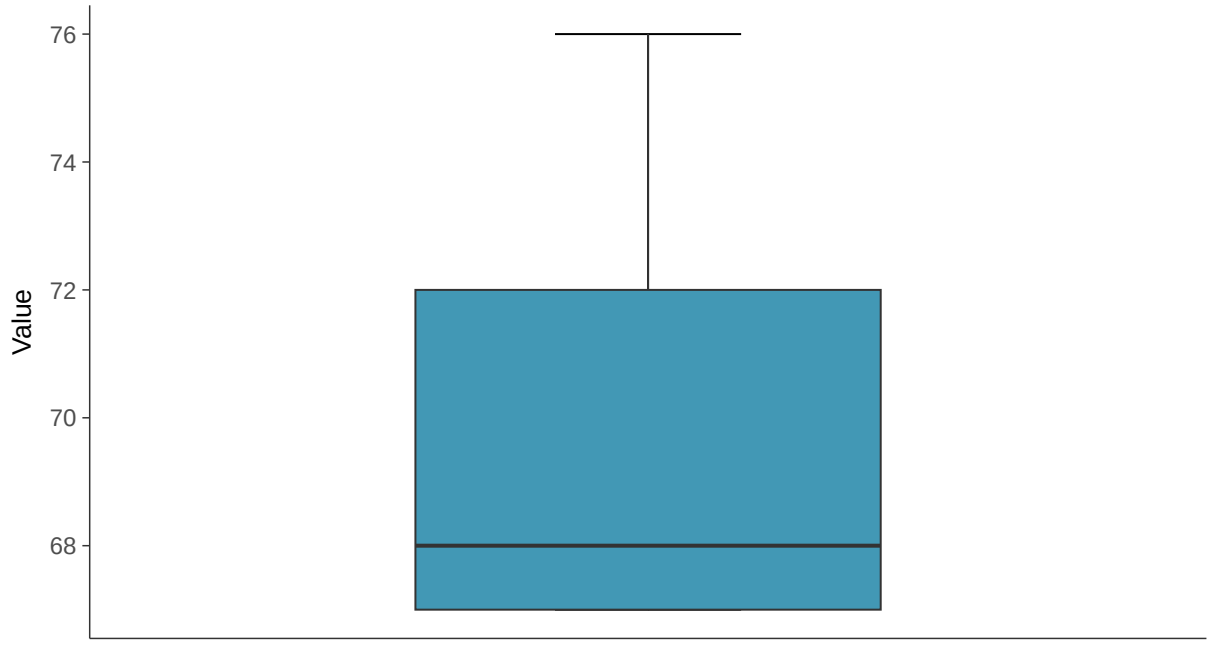
ID: 31_2_108





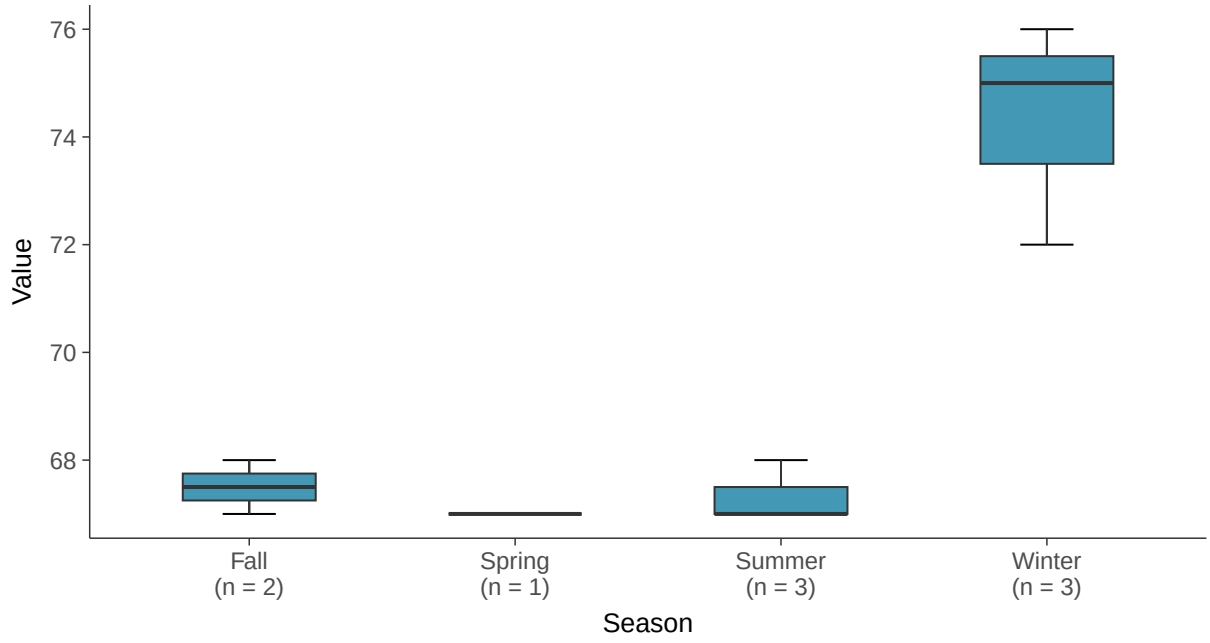
Boxplot

Chloride, MW-19B (mg/l)



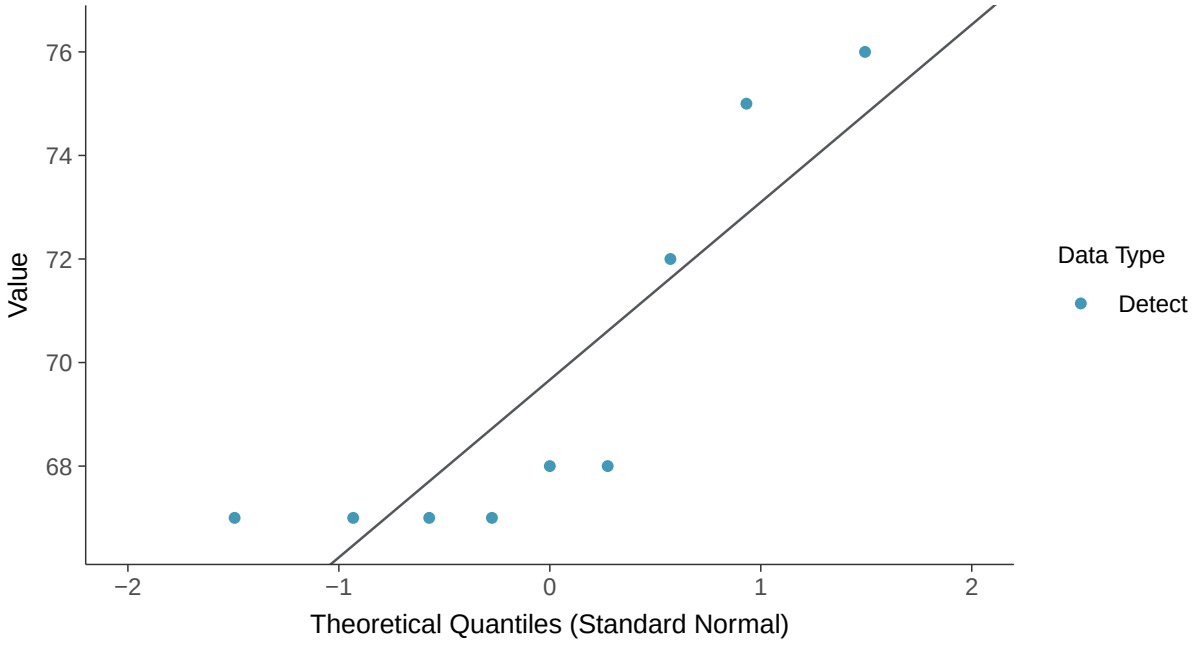
Boxplot by Season

Chloride, MW-19B (mg/l)



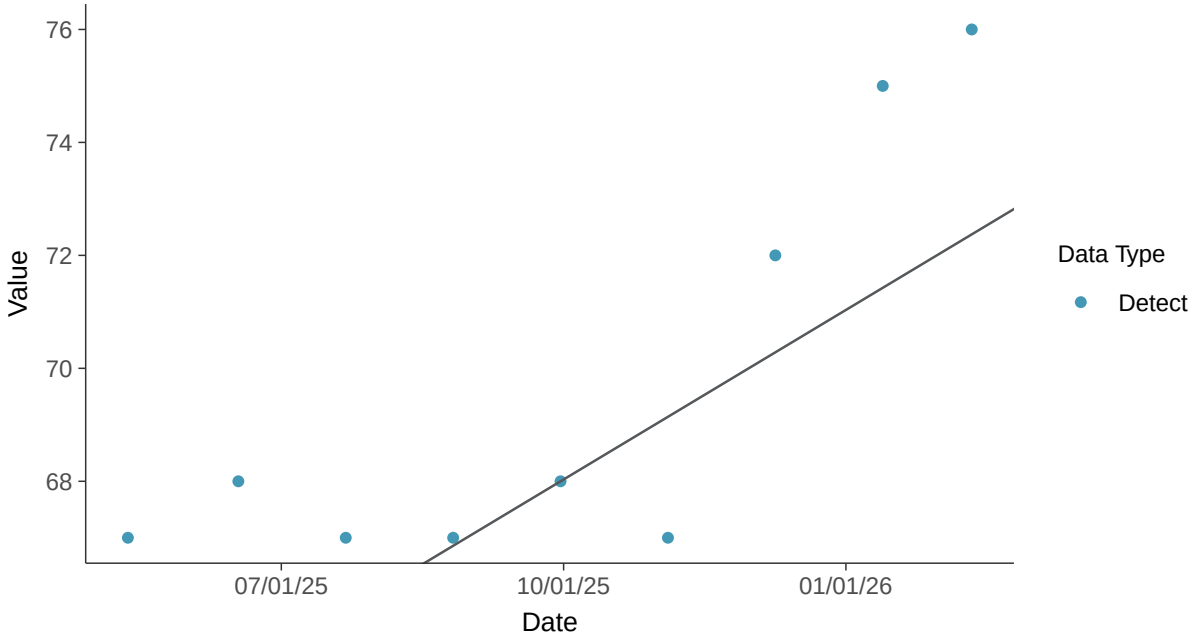
Normal Q-Q plot

Chloride, MW-19B (mg/l)



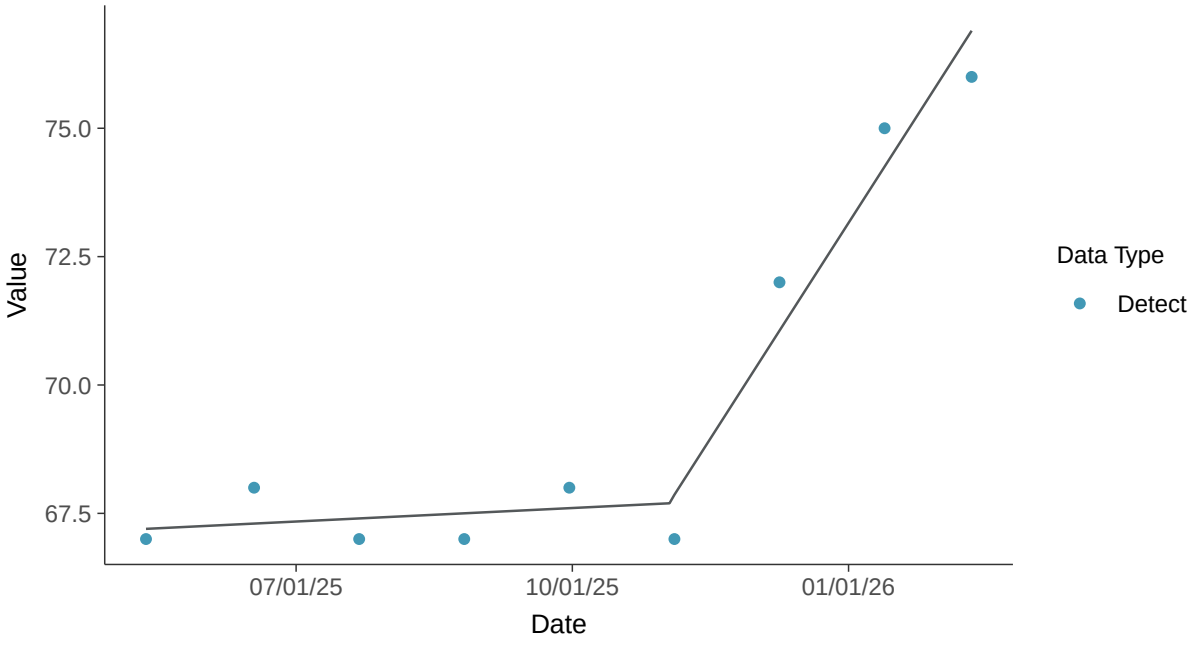
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Chloride, MW-19B (mg/l)



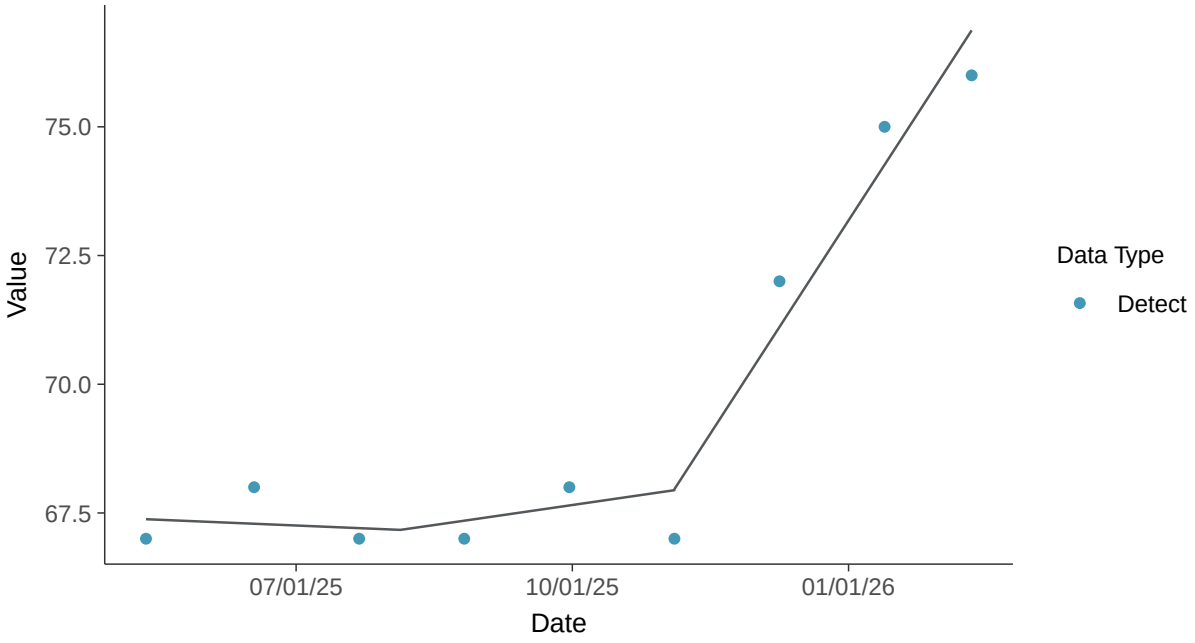
Trend Regression: Piecewise Linear-Linear

Chloride, MW-19B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Chloride, MW-19B (mg/l)

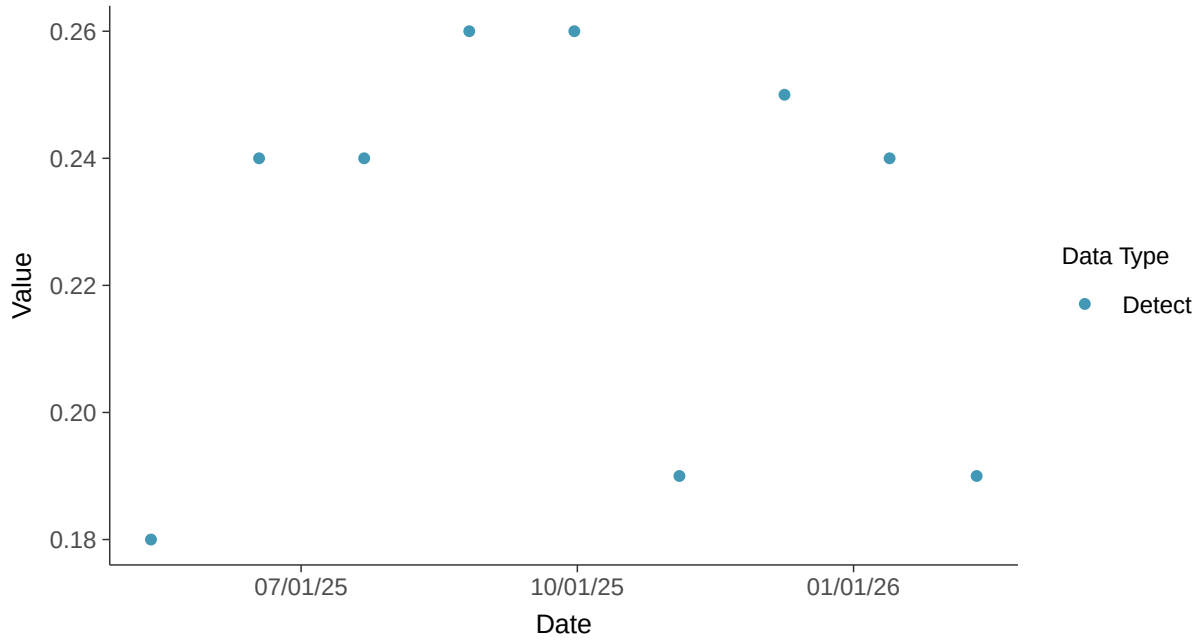


Appendix III: Fluoride, MW-19B

ID: 31_2_112

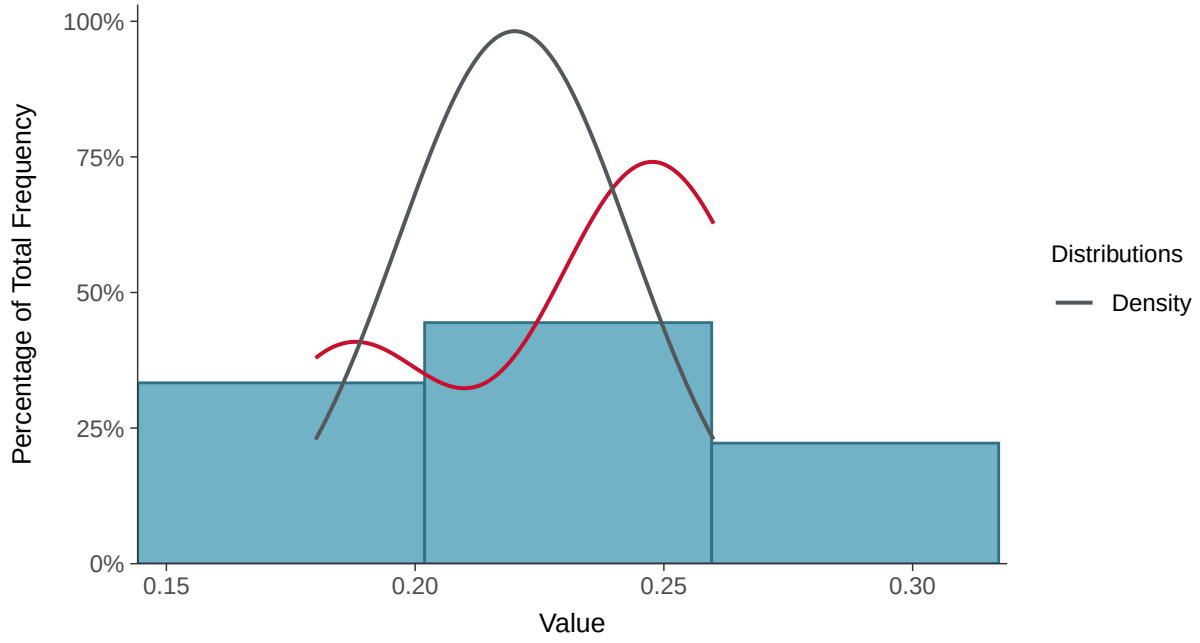
Scatter Plot

Fluoride, MW-19B (mg/l)



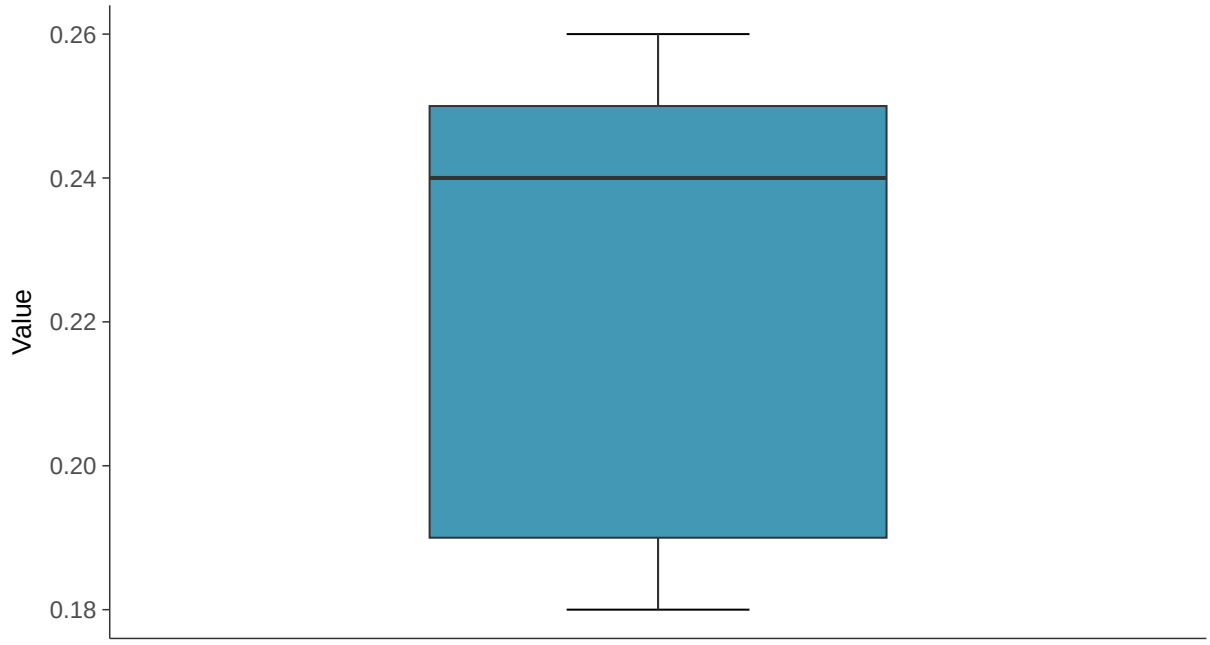
Histogram

Fluoride, MW-19B (mg/l)



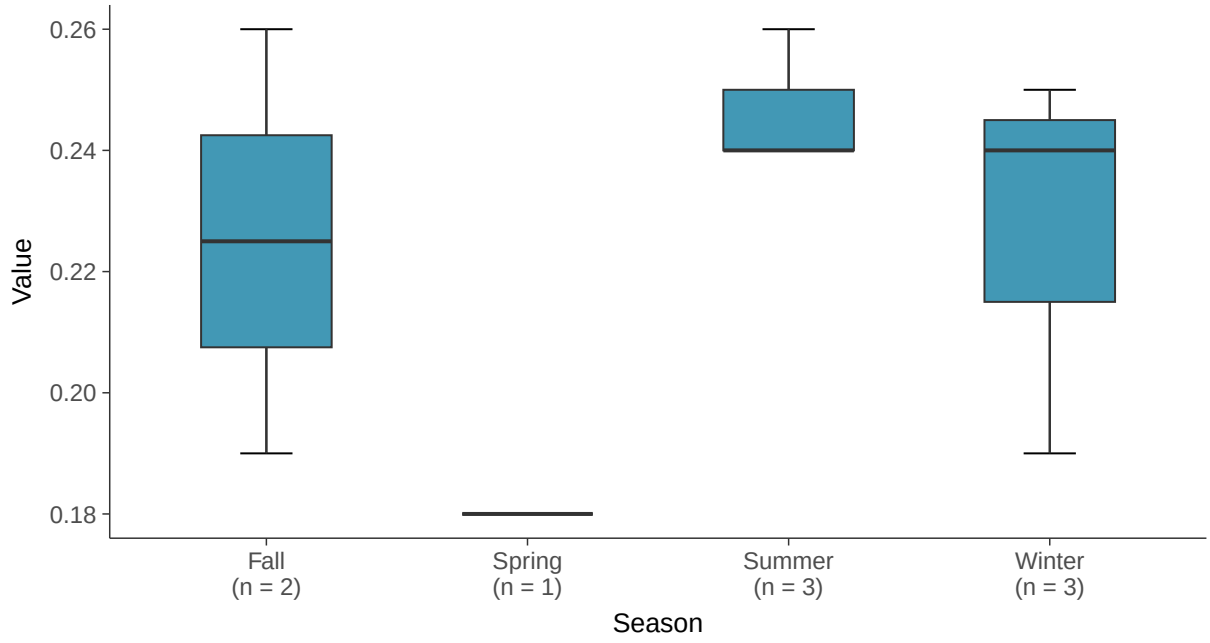
Boxplot

Fluoride, MW-19B (mg/l)



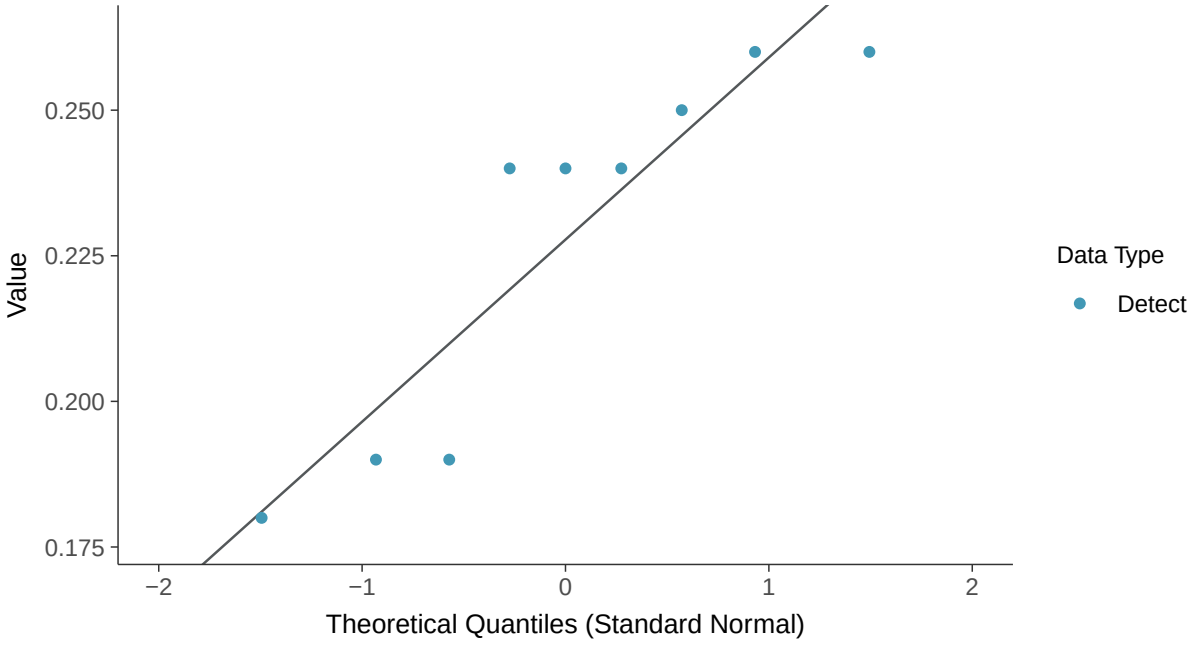
Boxplot by Season

Fluoride, MW-19B (mg/l)



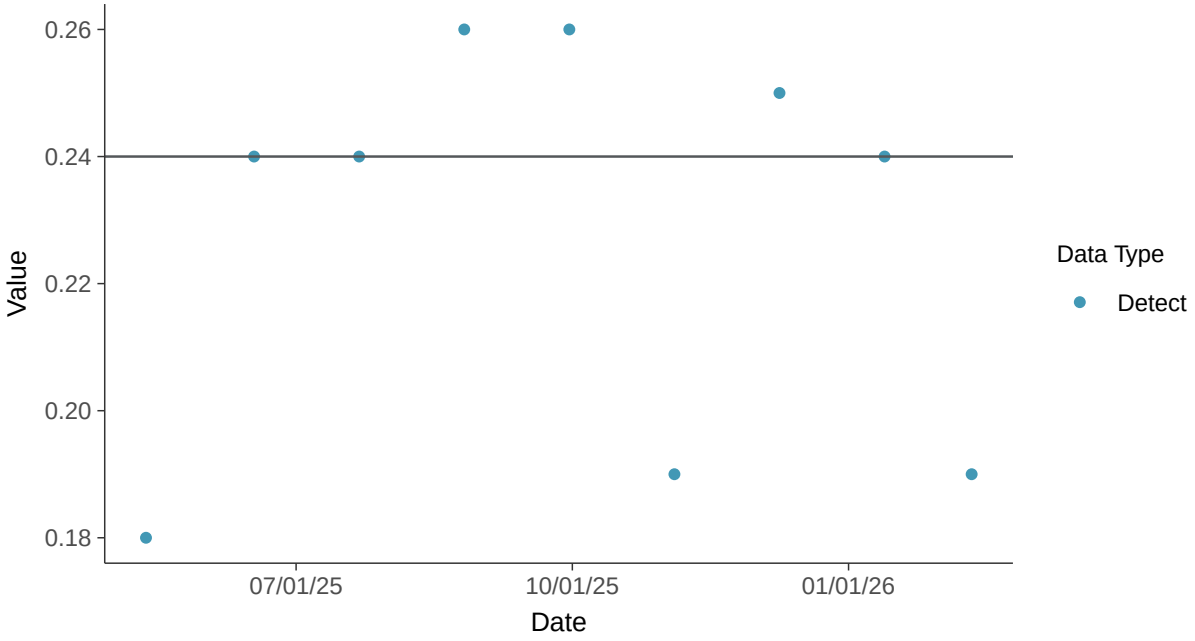
Normal Q-Q plot

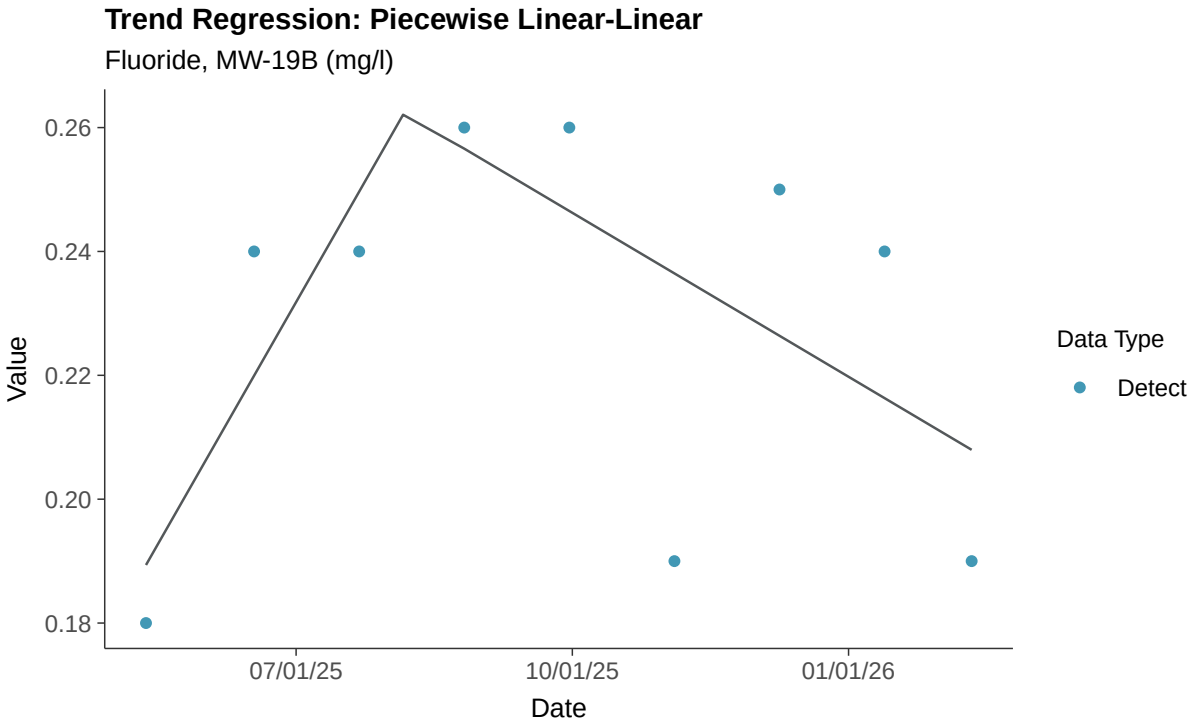
Fluoride, MW-19B (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

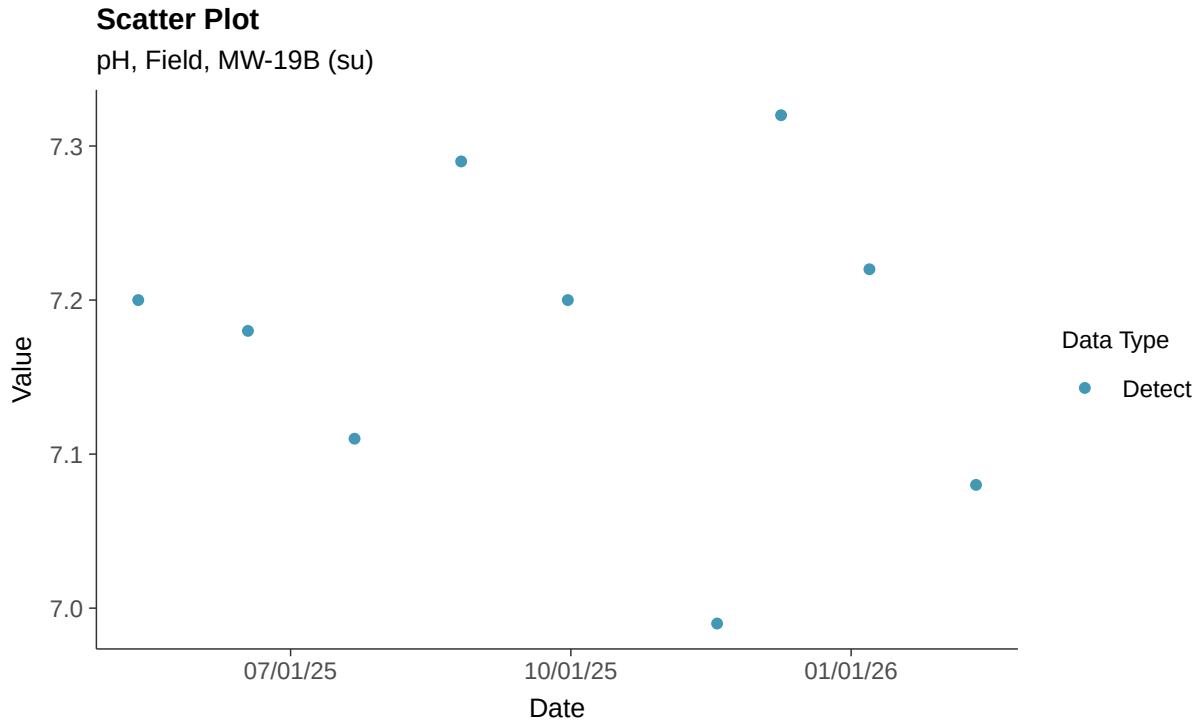
Fluoride, MW-19B (mg/l)

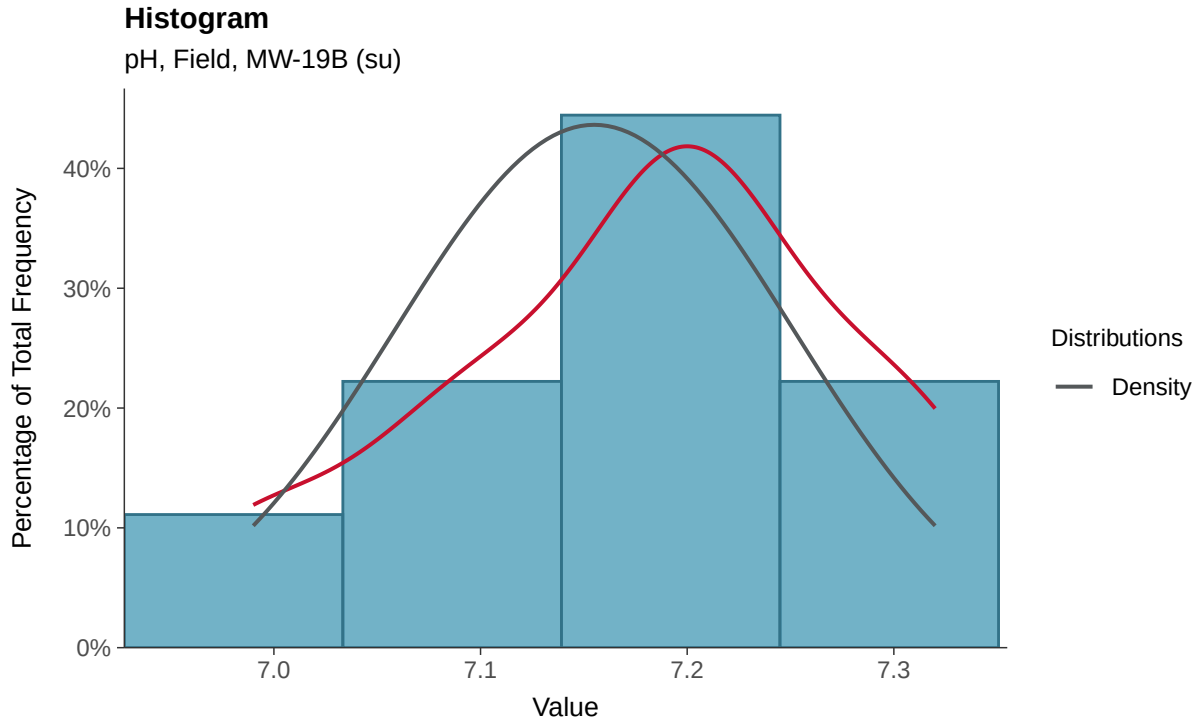



Trend Regression: Piecewise Linear-Linear
Fluoride, MW-19B (mg/l)
Value
0.26
0.24
0.22
0.20
0.18
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: pH, Field, MW-19B

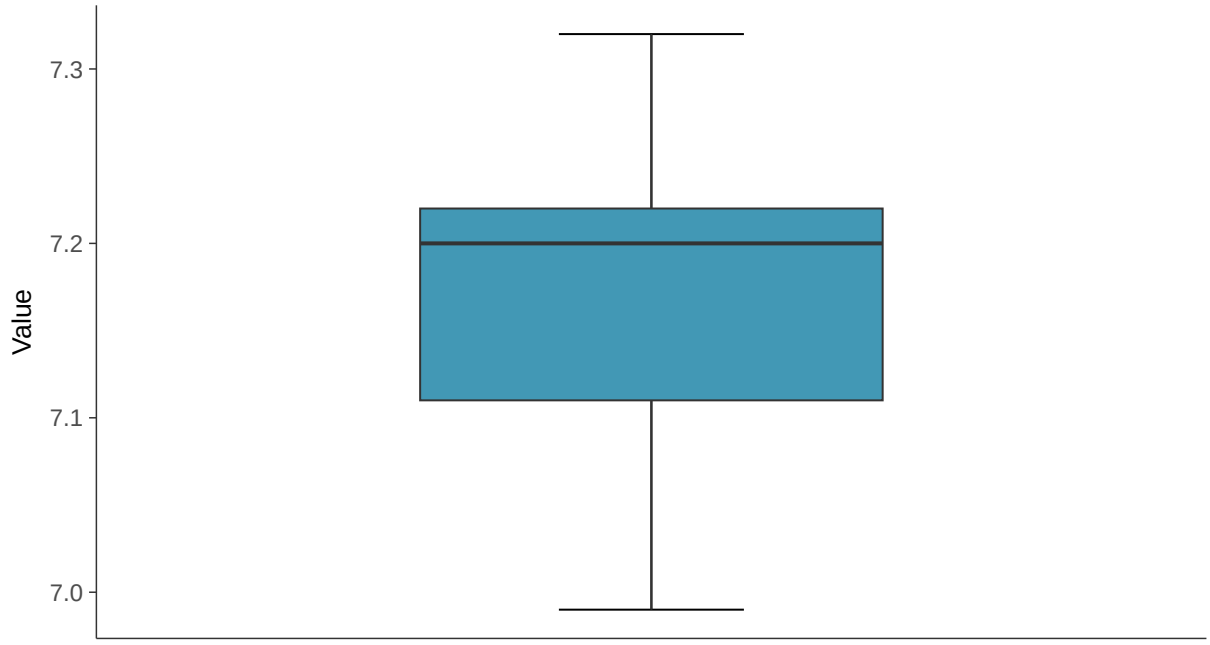
ID: 31_2_120





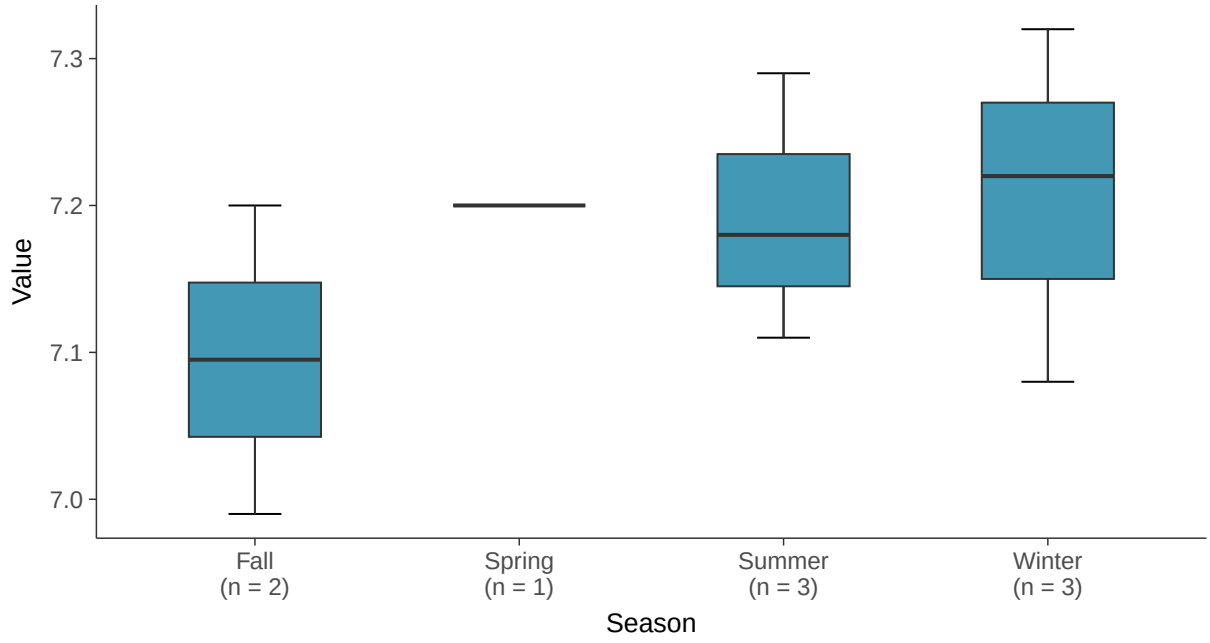
Boxplot

pH, Field, MW-19B (su)



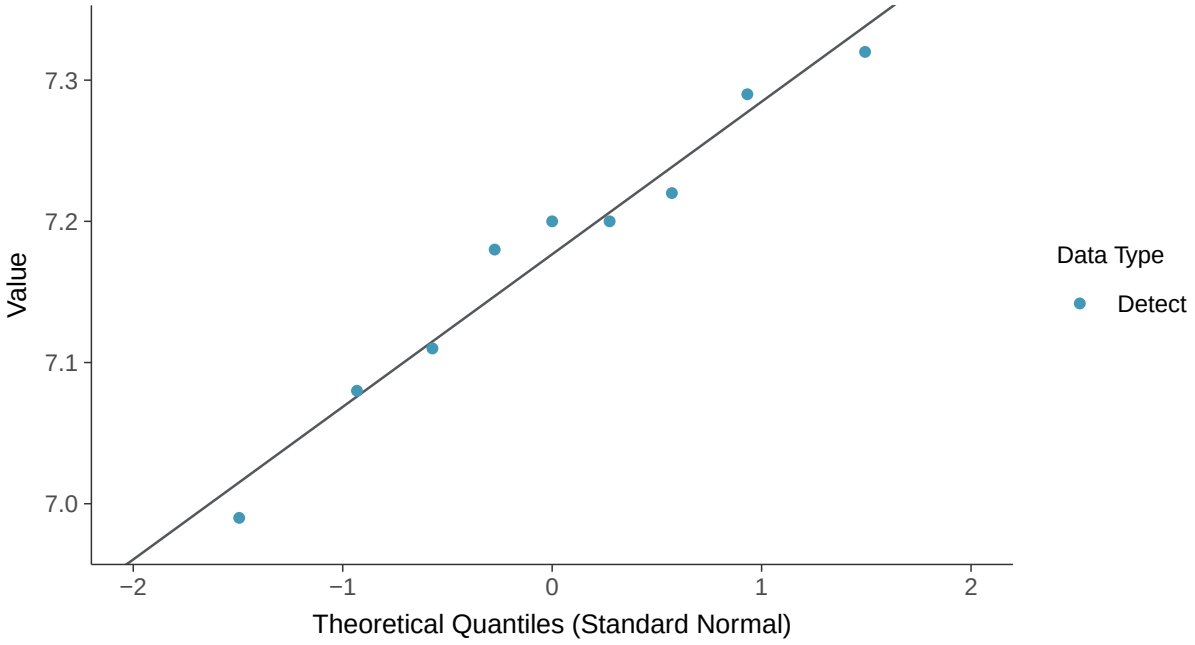
Boxplot by Season

pH, Field, MW-19B (su)



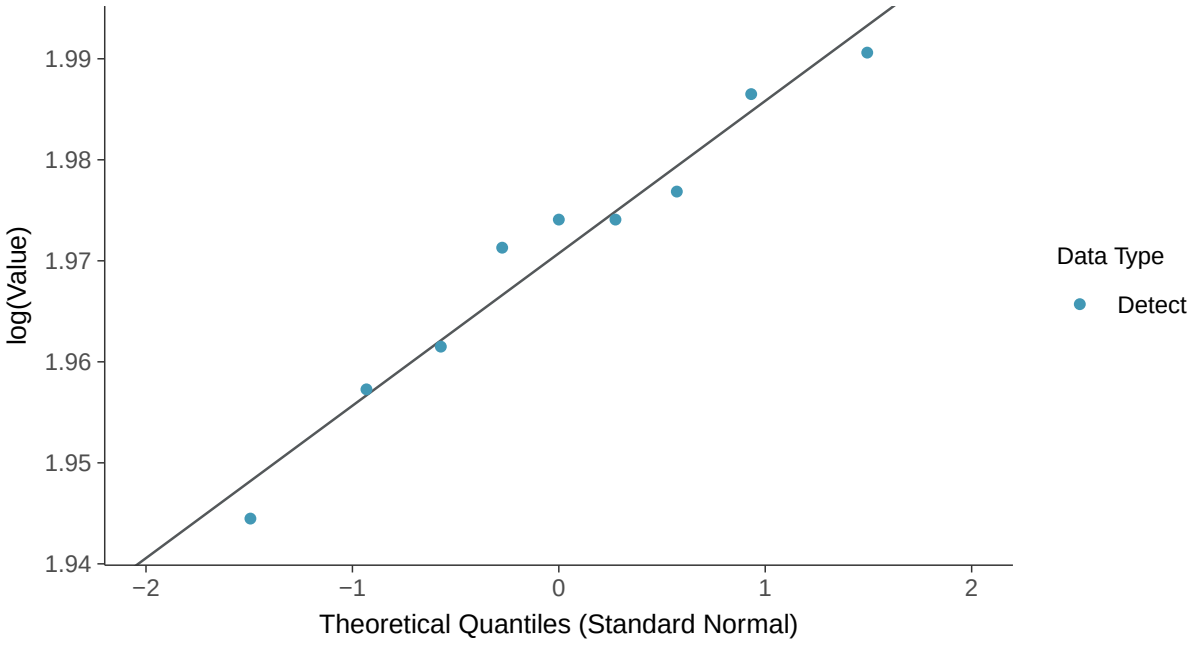
Normal Q-Q plot

pH, Field, MW-19B (su)



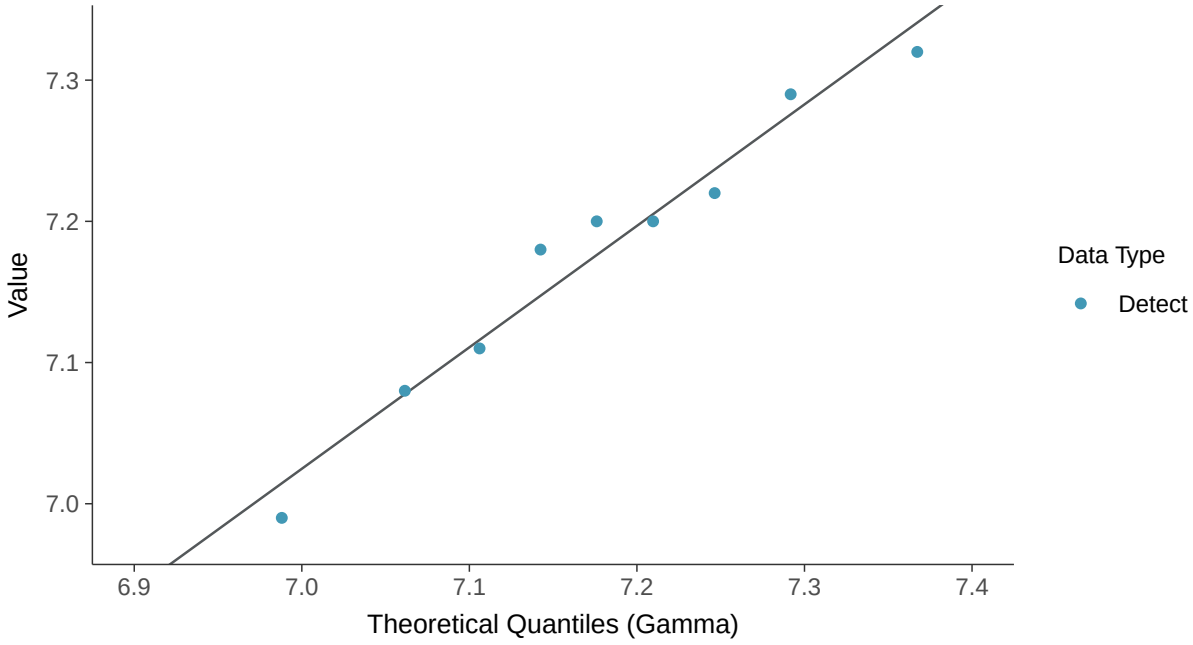
Lognormal Q-Q plot

pH, Field, MW-19B (su)



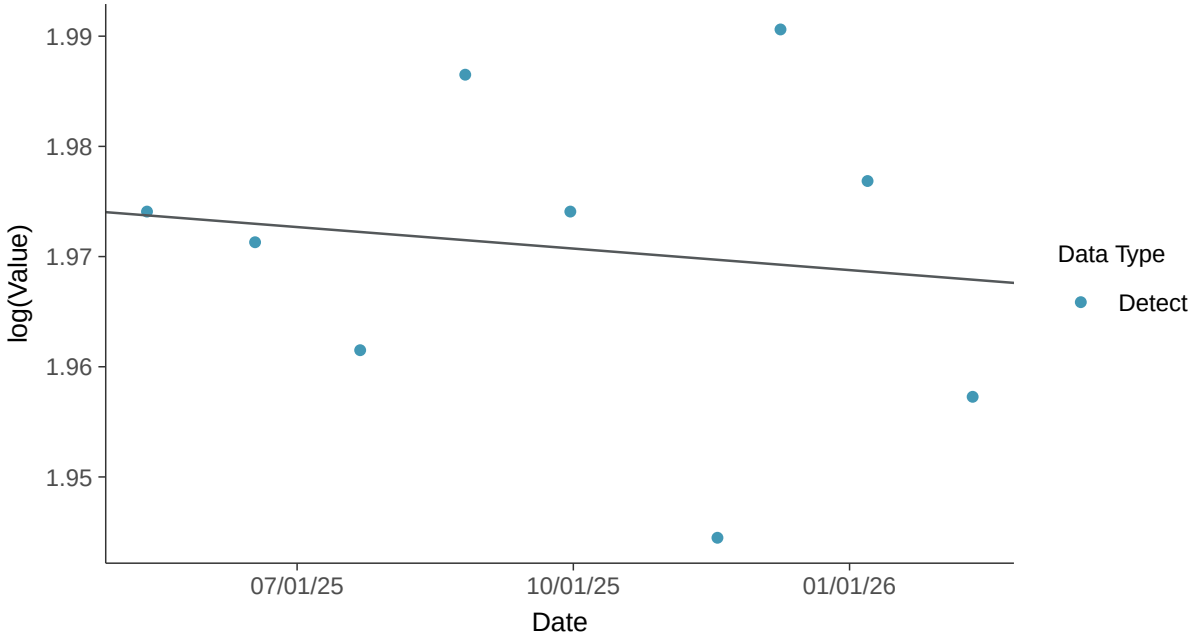
Gamma Q-Q plot

pH, Field, MW-19B (su)



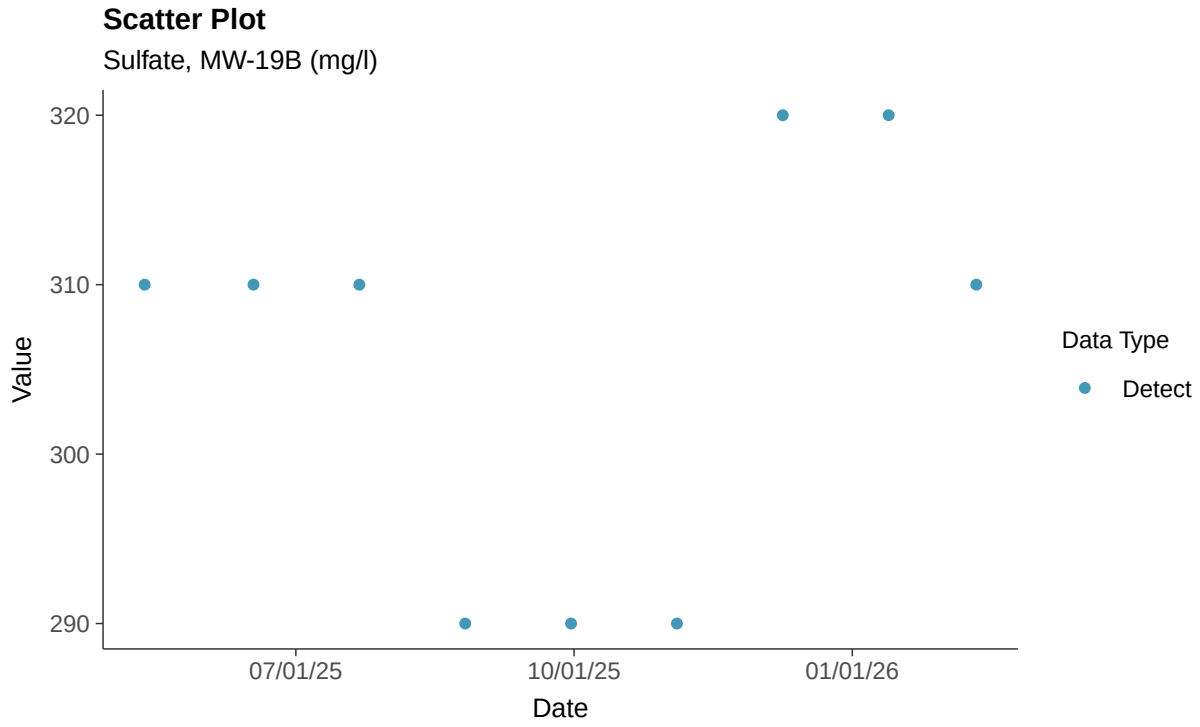
Trend Regression: Lognormal MLE

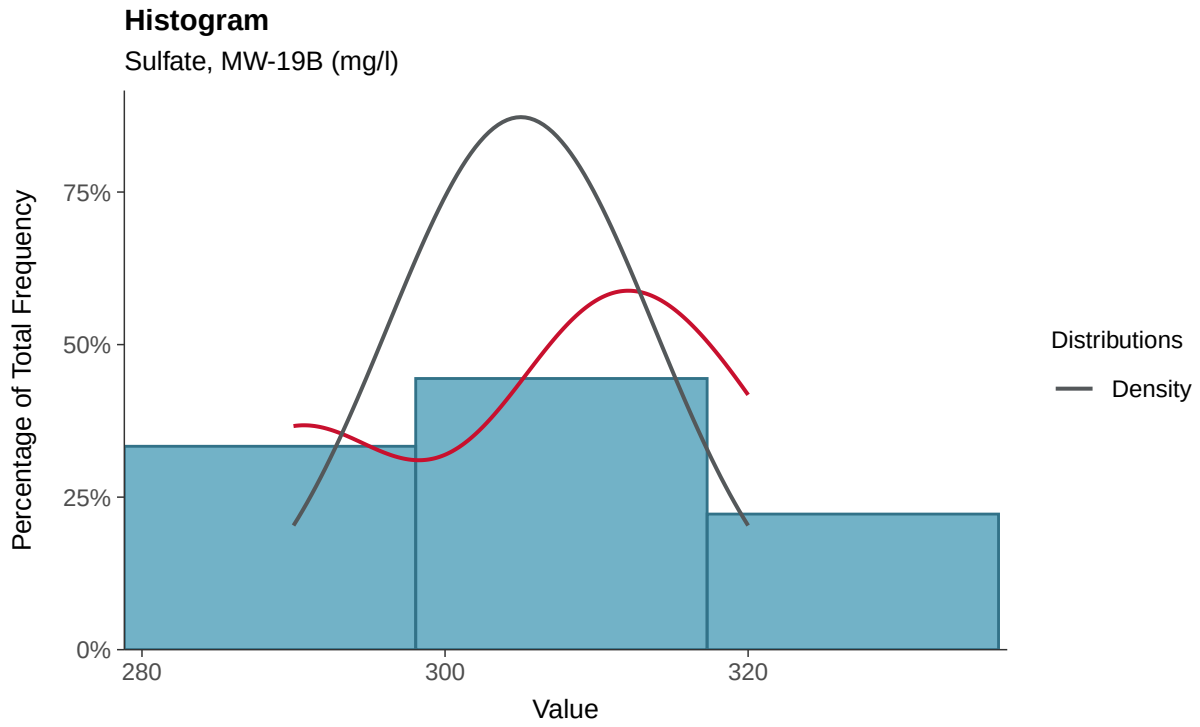
pH, Field, MW-19B (su)



Appendix III: Sulfate, MW-19B

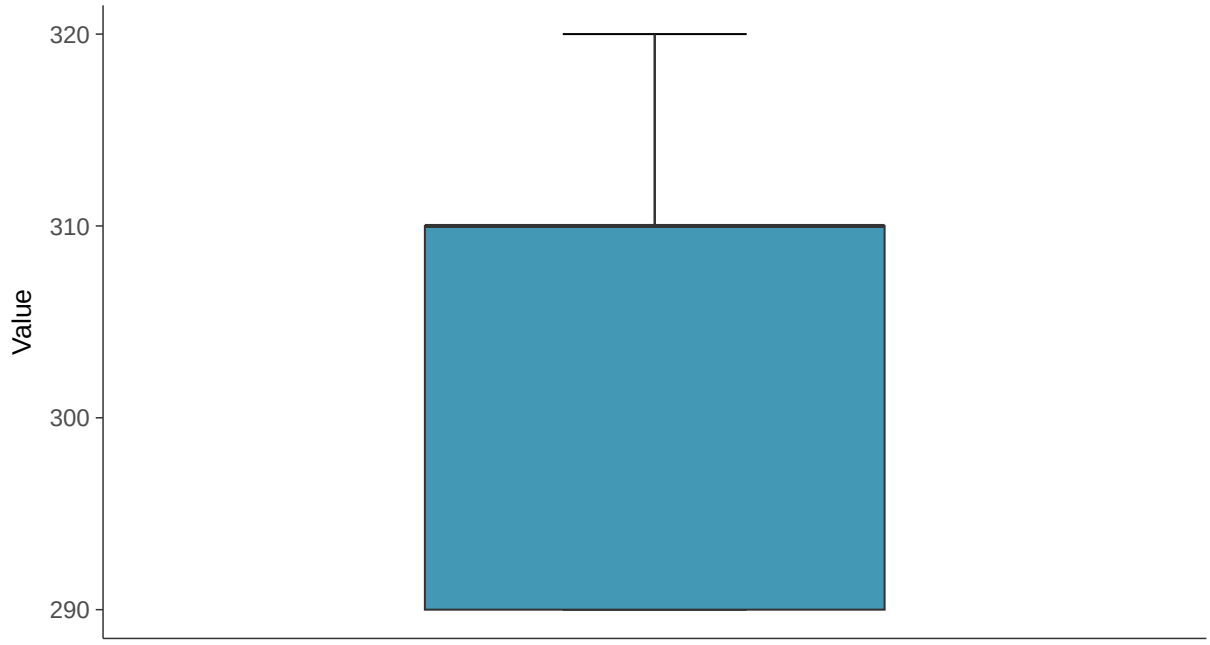
ID: 31_2_124





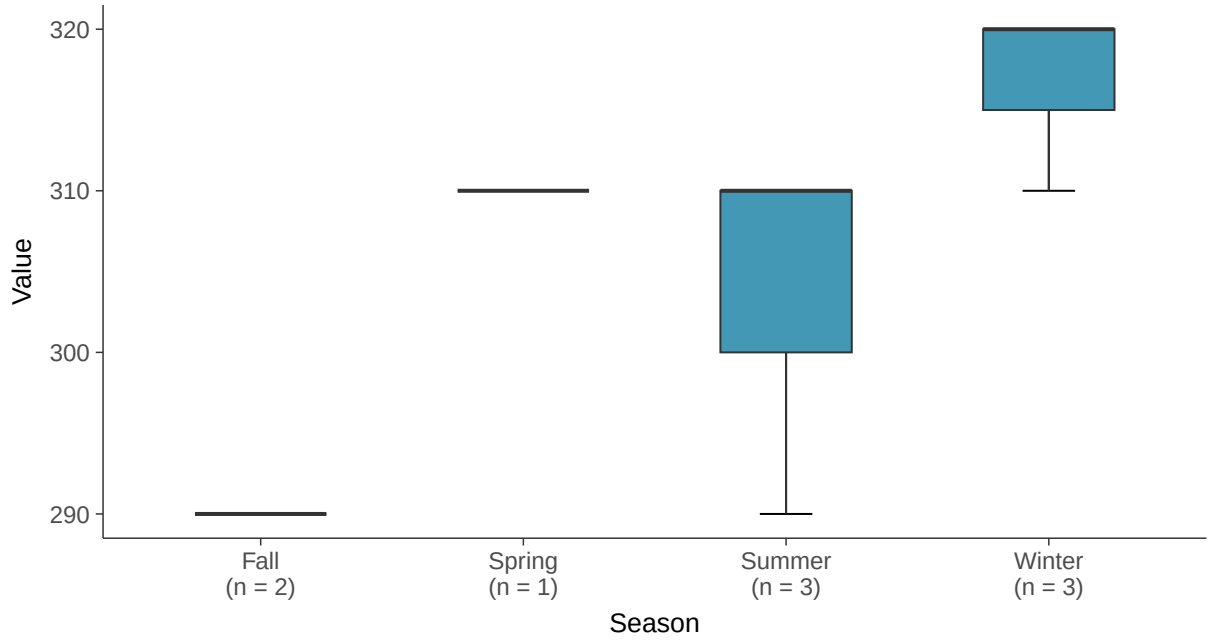
Boxplot

Sulfate, MW-19B (mg/l)



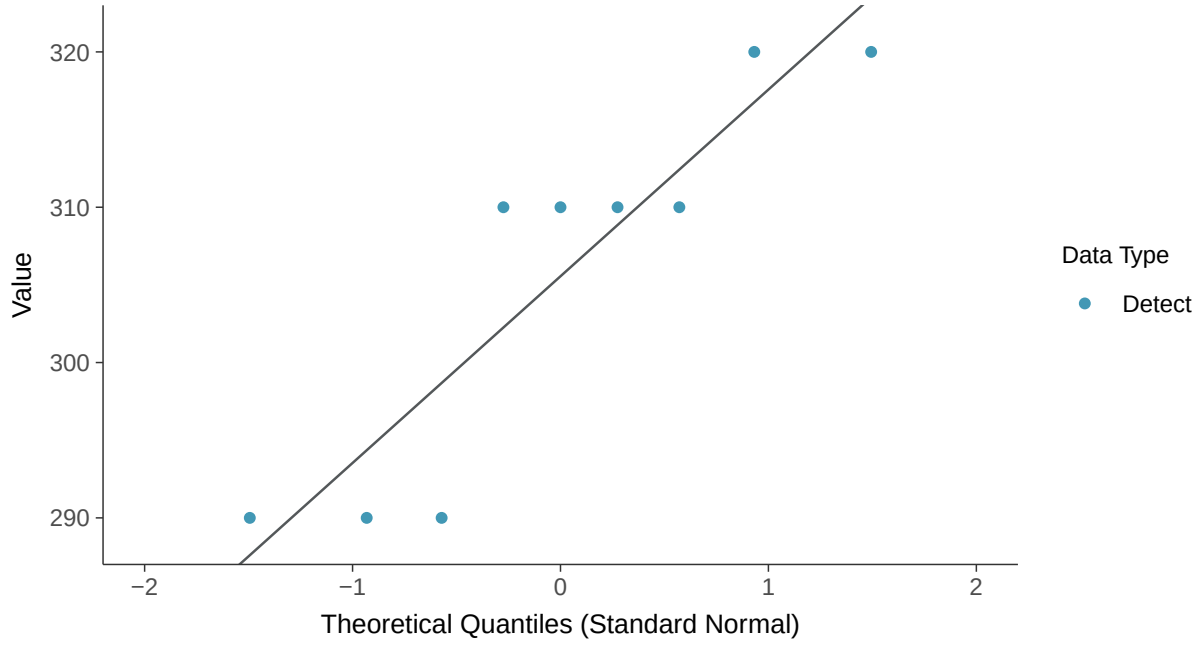
Boxplot by Season

Sulfate, MW-19B (mg/l)



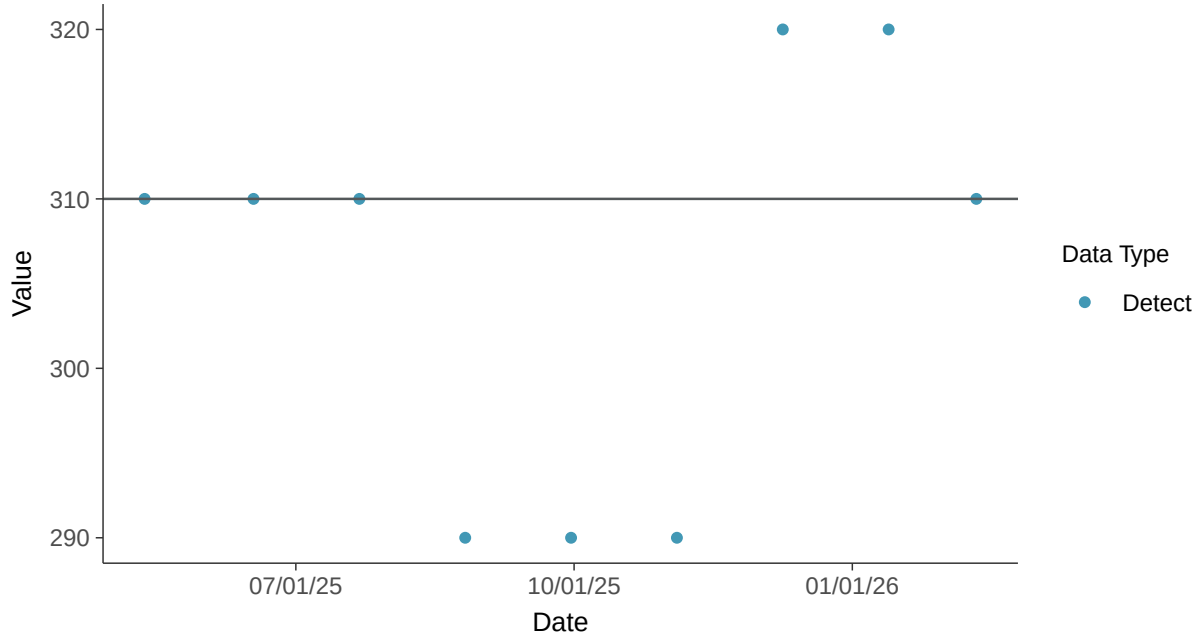
Normal Q-Q plot

Sulfate, MW-19B (mg/l)



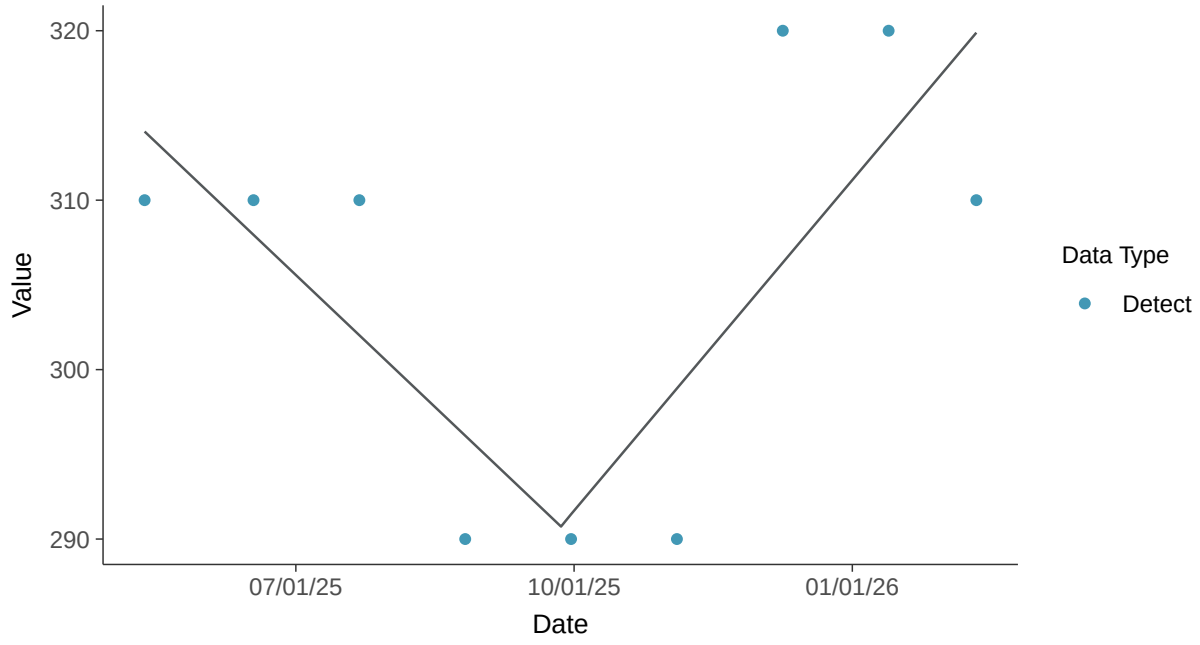
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Sulfate, MW-19B (mg/l)



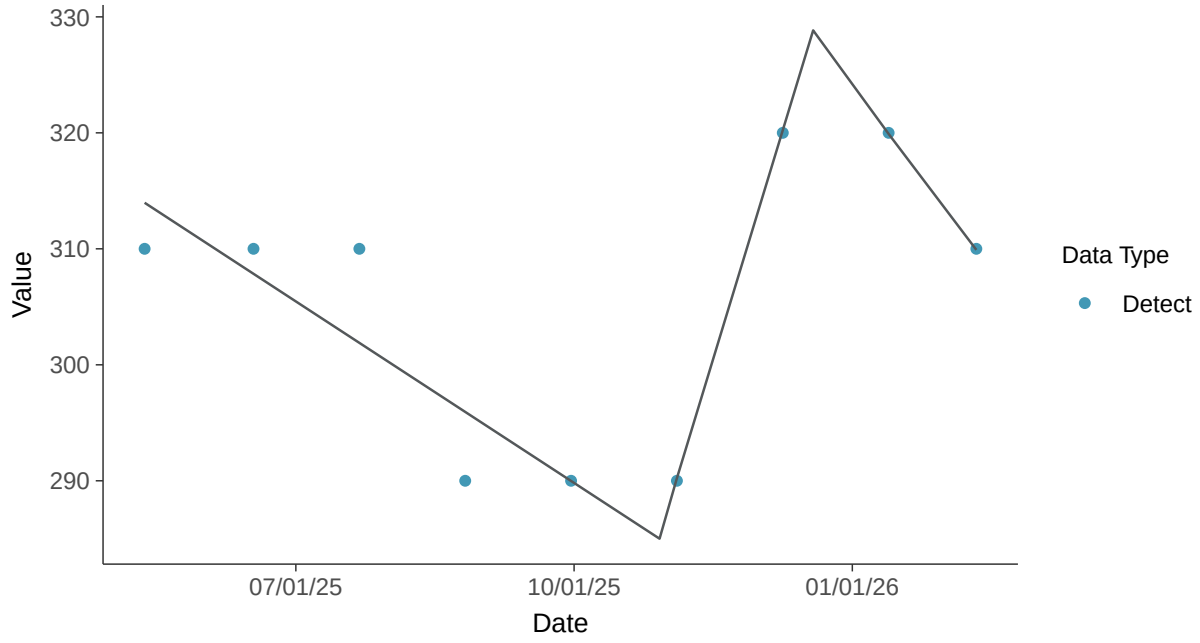
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-19B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Sulfate, MW-19B (mg/l)

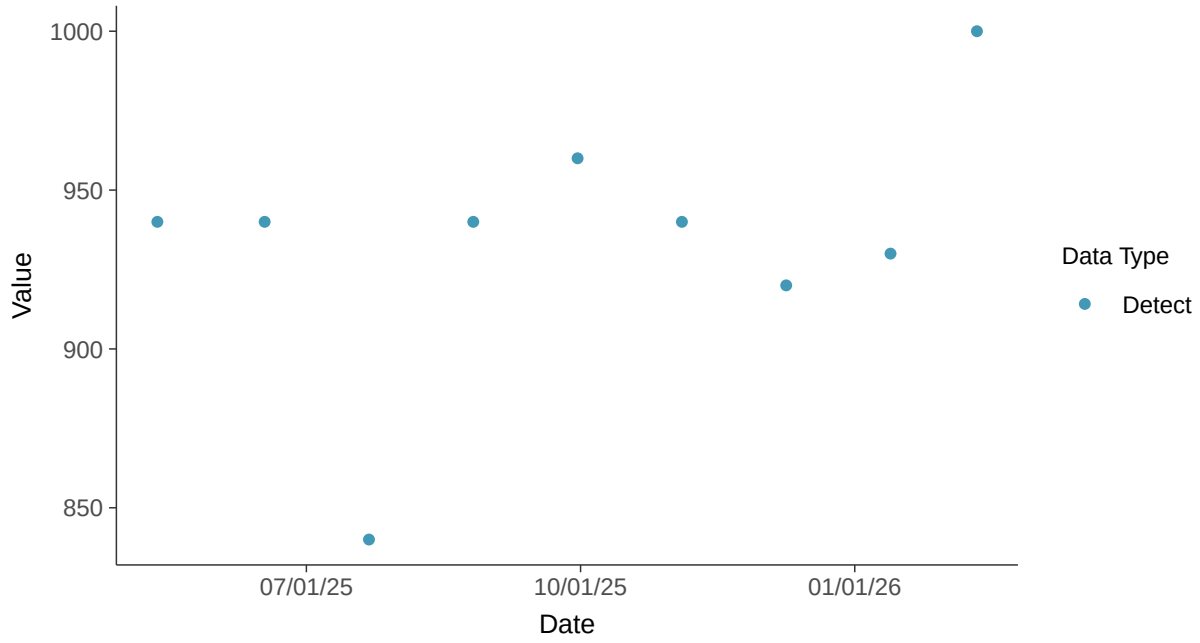


Appendix III: Total Dissolved Solids, MW-19B

ID: 31_2_126

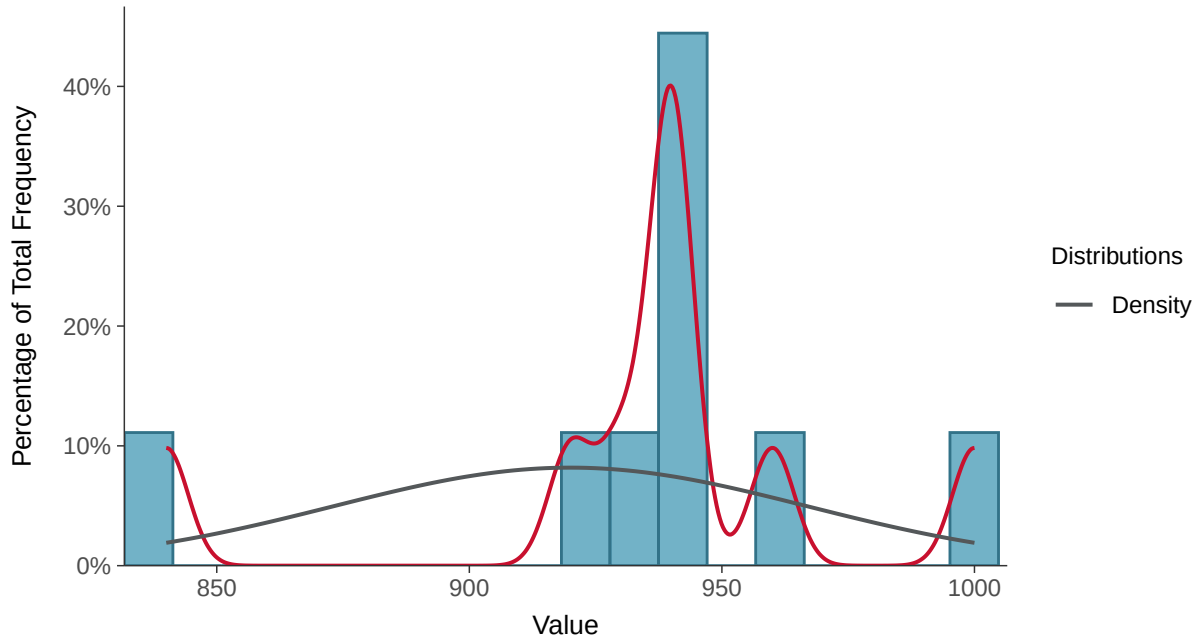
Scatter Plot

Total Dissolved Solids, MW-19B (mg/l)



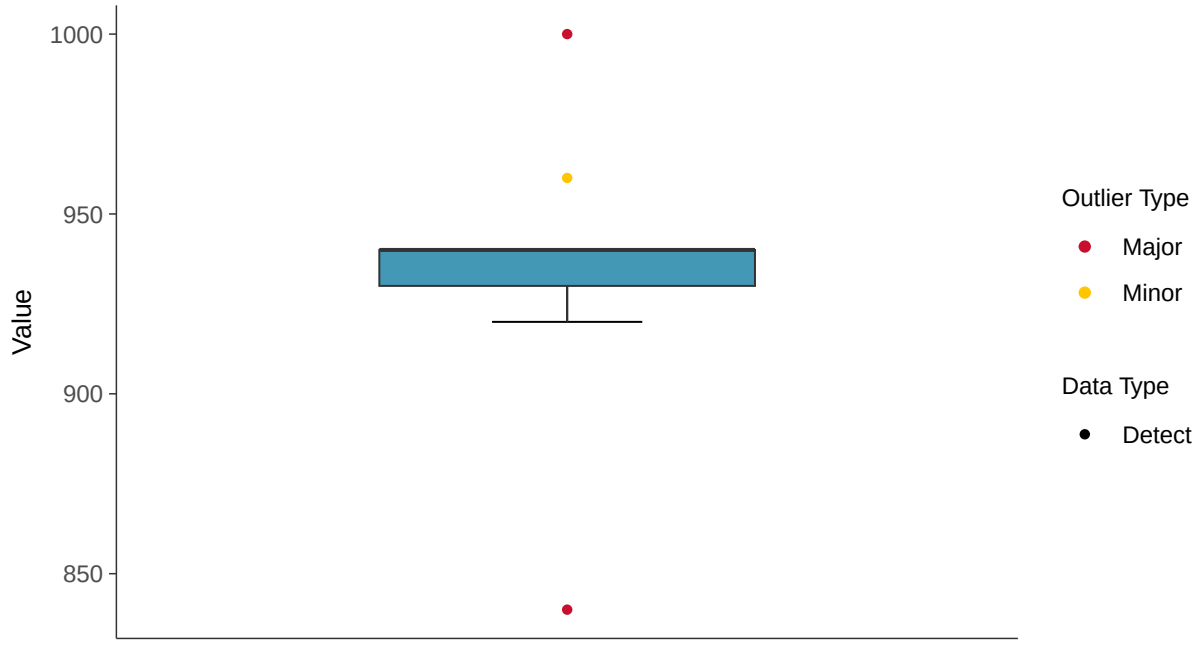
Histogram

Total Dissolved Solids, MW-19B (mg/l)



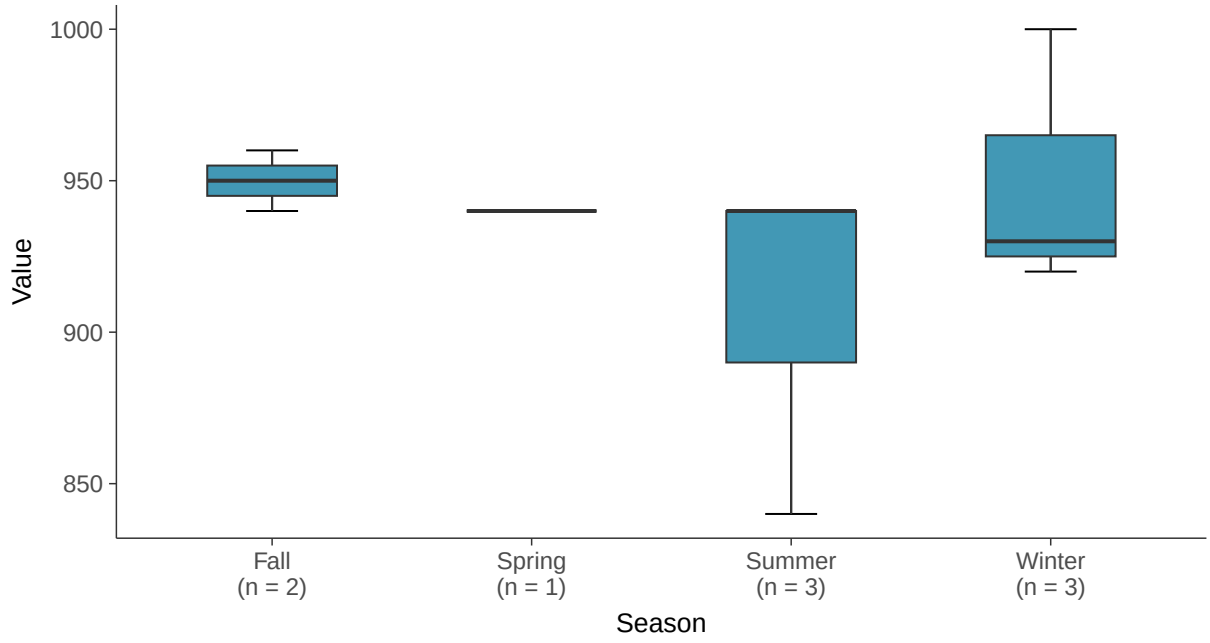
Boxplot

Total Dissolved Solids, MW-19B (mg/l)



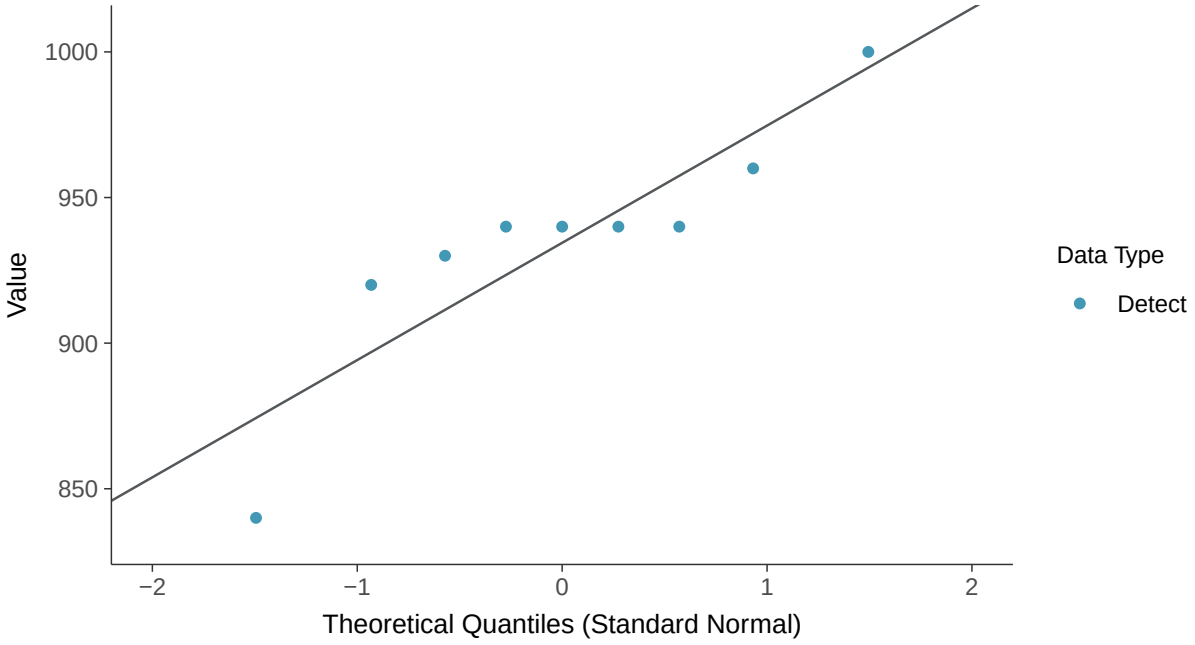
Boxplot by Season

Total Dissolved Solids, MW-19B (mg/l)



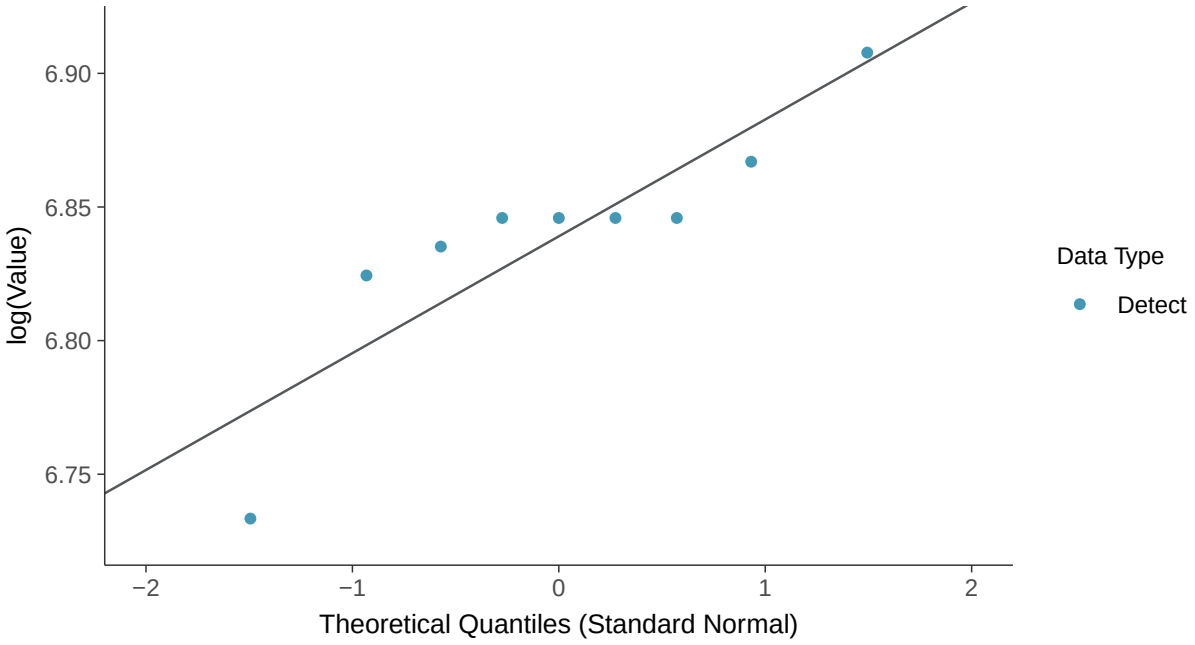
Normal Q-Q plot

Total Dissolved Solids, MW-19B (mg/l)



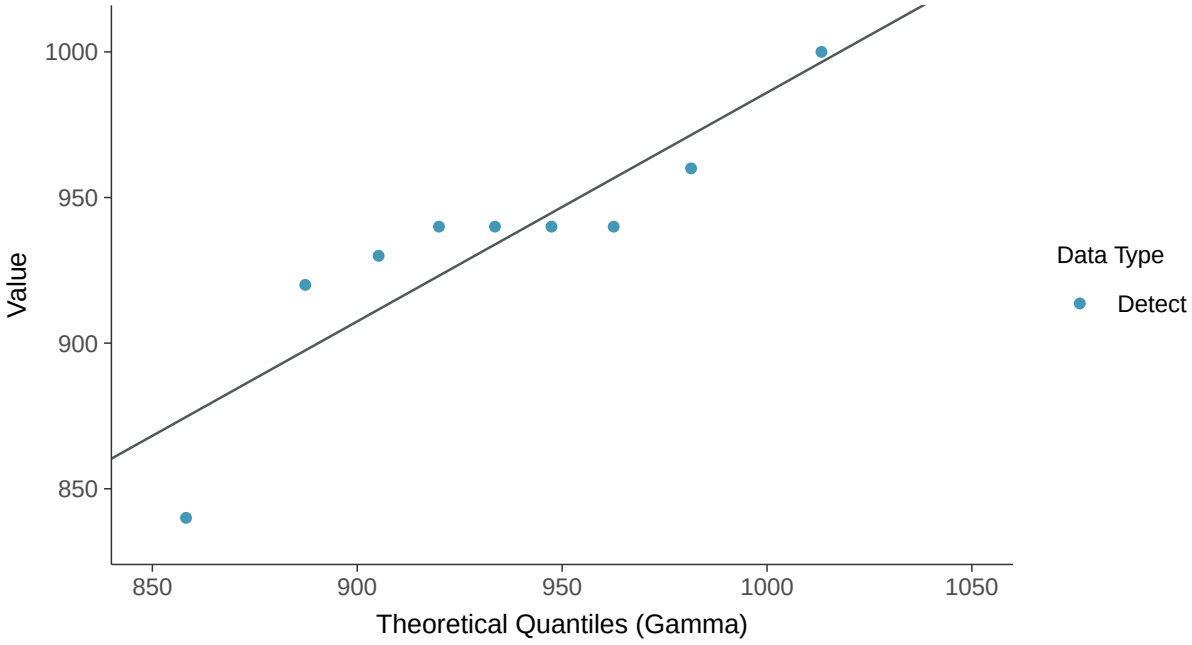
Lognormal Q-Q plot

Total Dissolved Solids, MW-19B (mg/l)



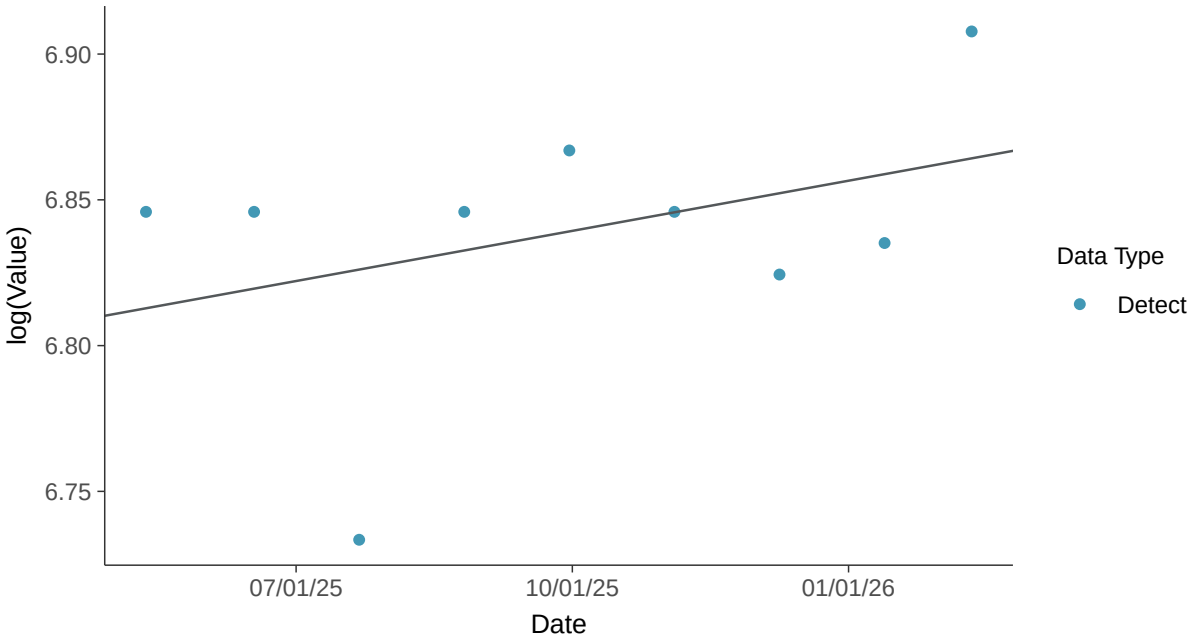
Gamma Q-Q plot

Total Dissolved Solids, MW-19B (mg/l)



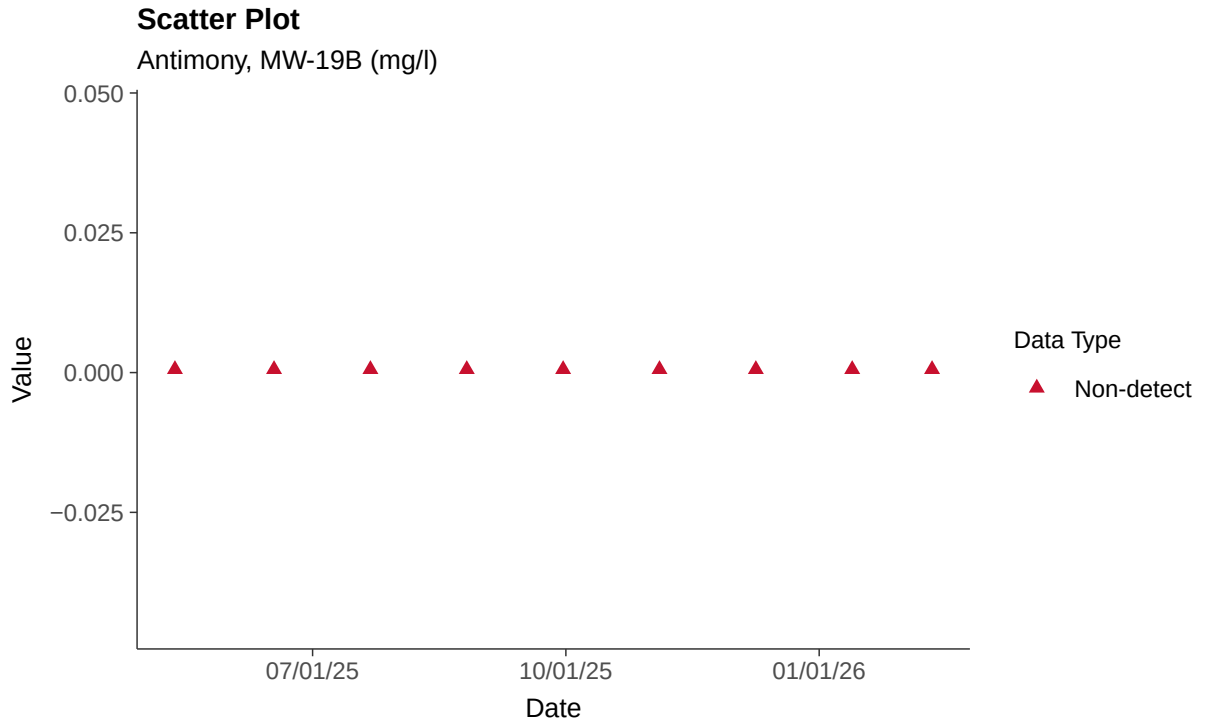
Trend Regression: Lognormal MLE

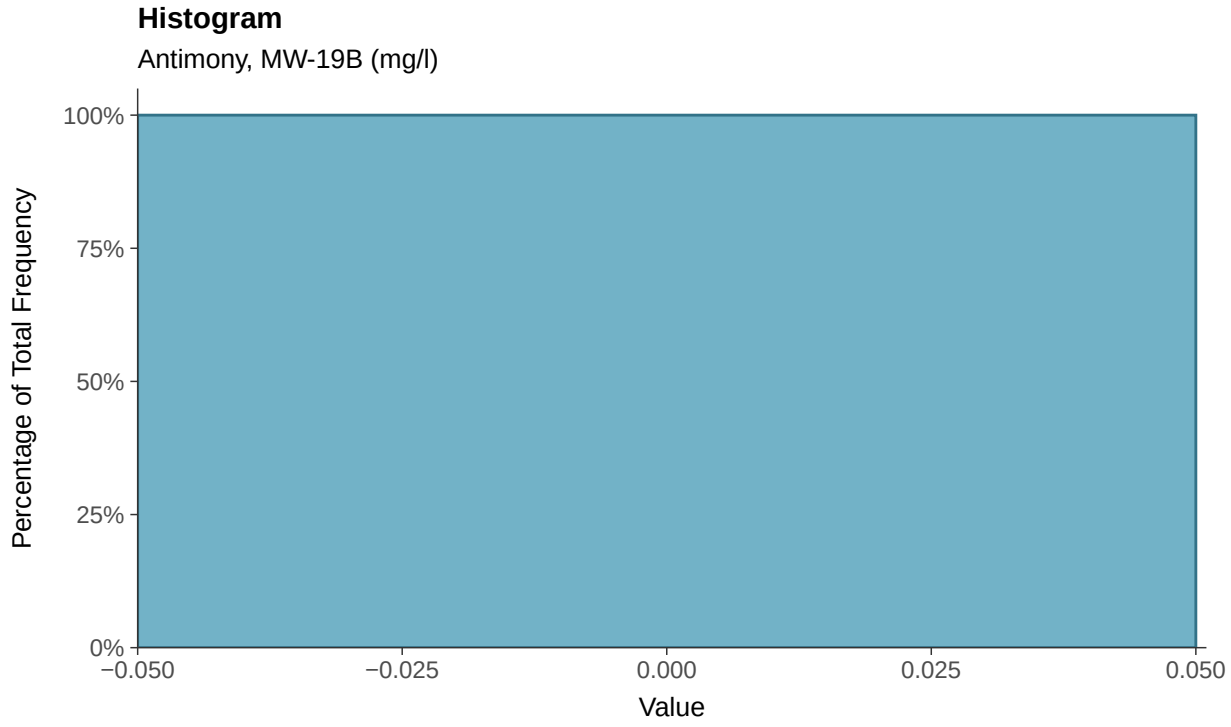
Total Dissolved Solids, MW-19B (mg/l)



Appendix IV: Antimony, MW-19B

ID: 31_3_101



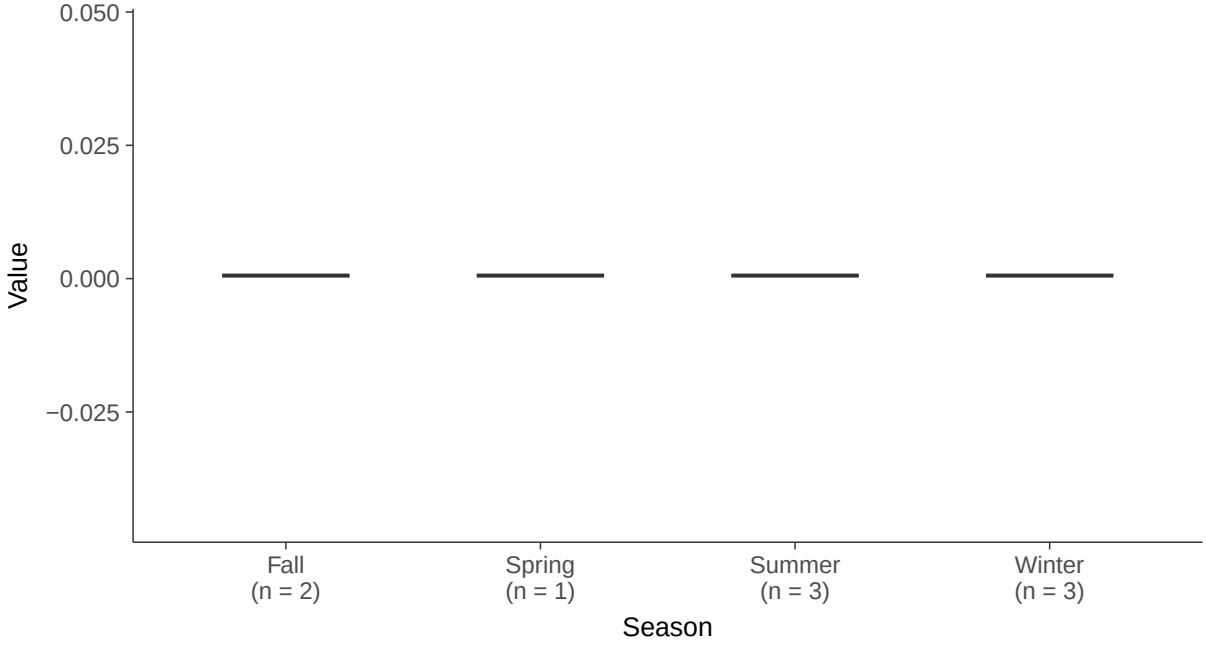


Boxplot

Antimony, MW-19B (mg/l)

Boxplot by Season

Antimony, MW-19B (mg/l)

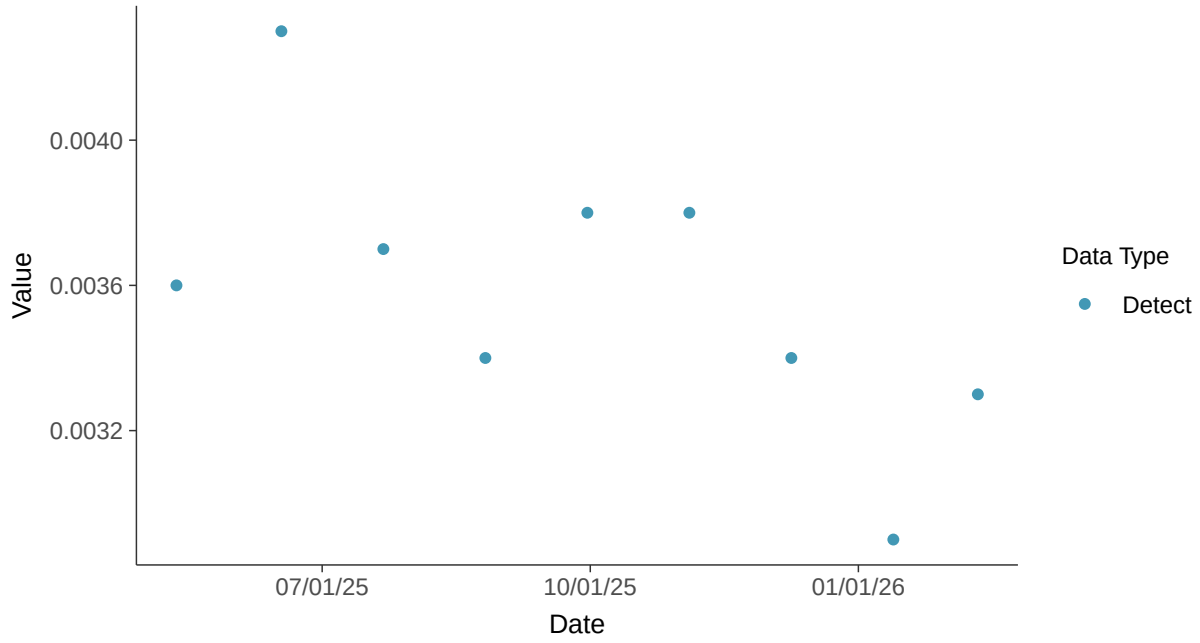


Appendix IV: Arsenic, MW-19B

ID: 31_3_102

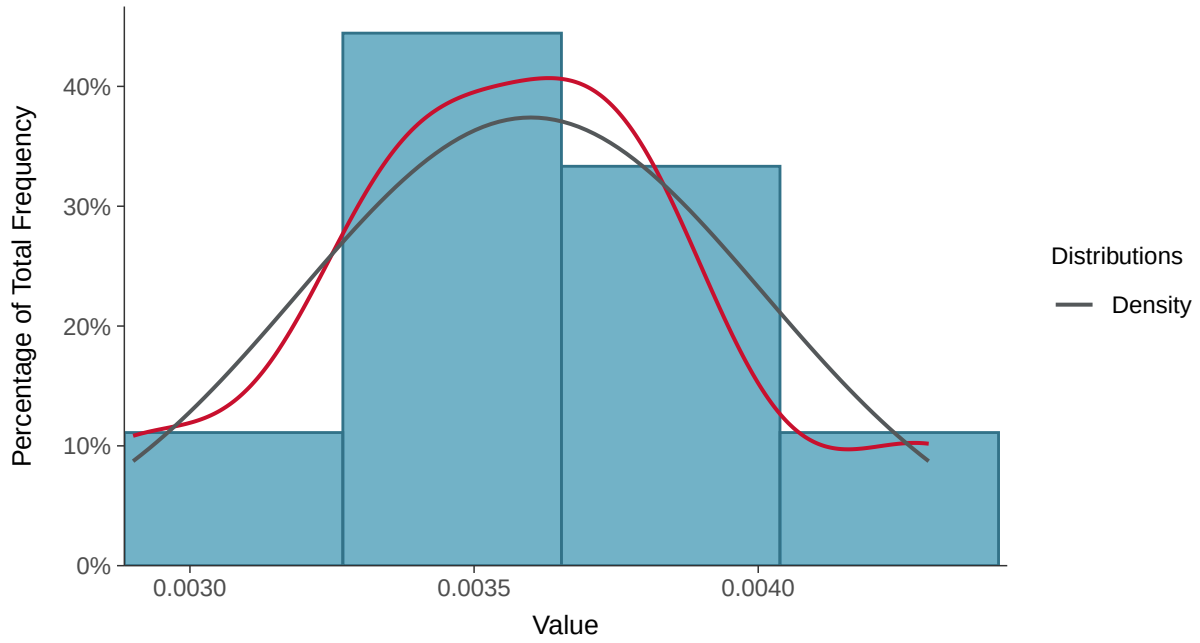
Scatter Plot

Arsenic, MW-19B (mg/l)



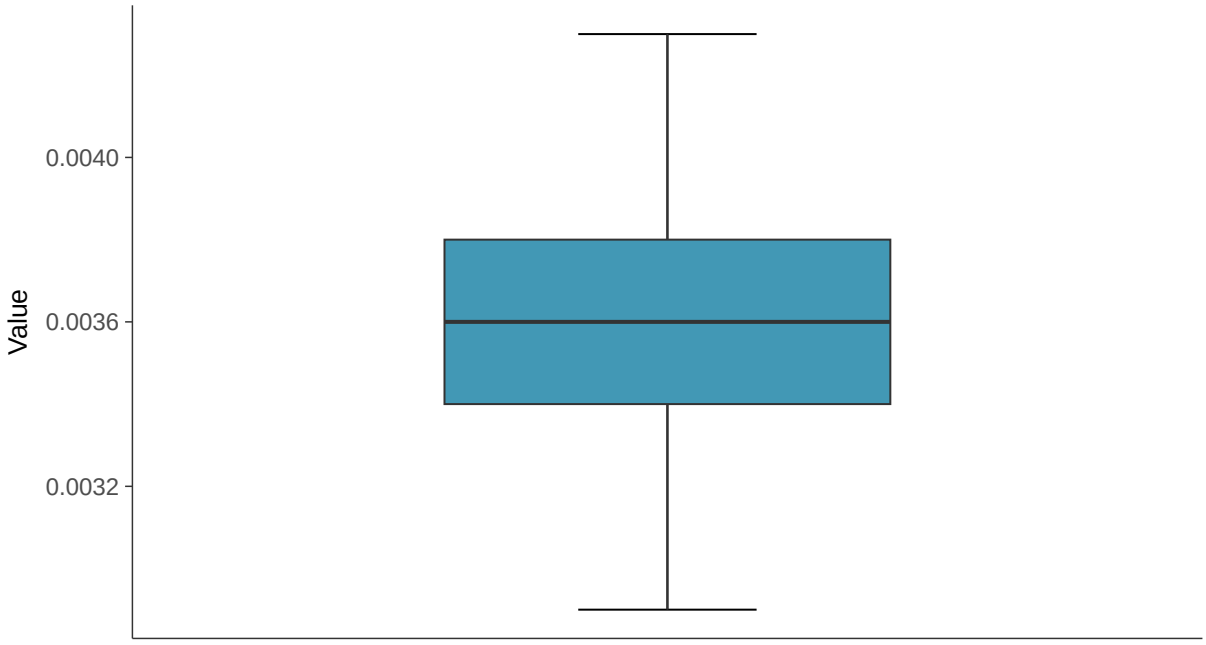
Histogram

Arsenic, MW-19B (mg/l)



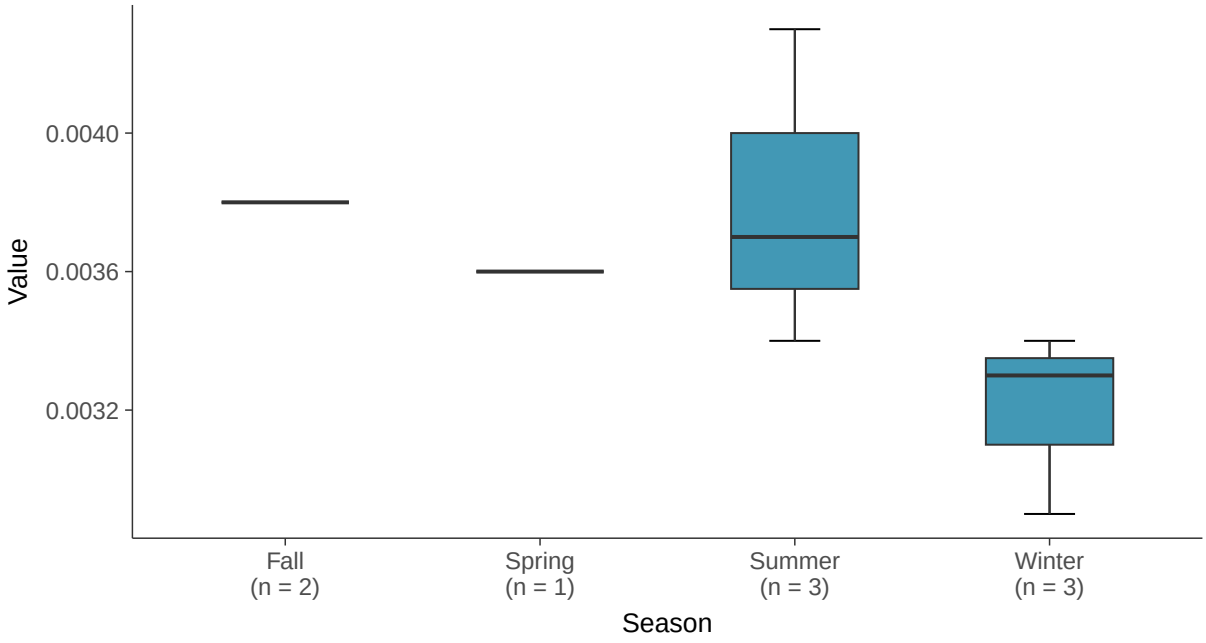
Boxplot

Arsenic, MW-19B (mg/l)



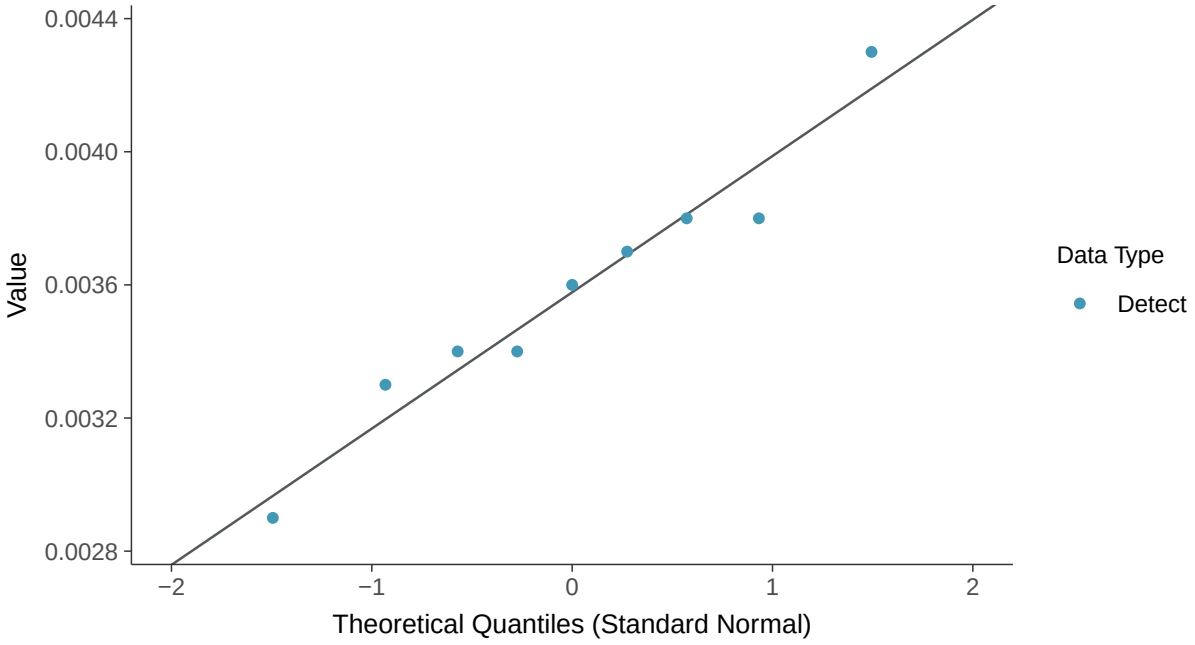
Boxplot by Season

Arsenic, MW-19B (mg/l)



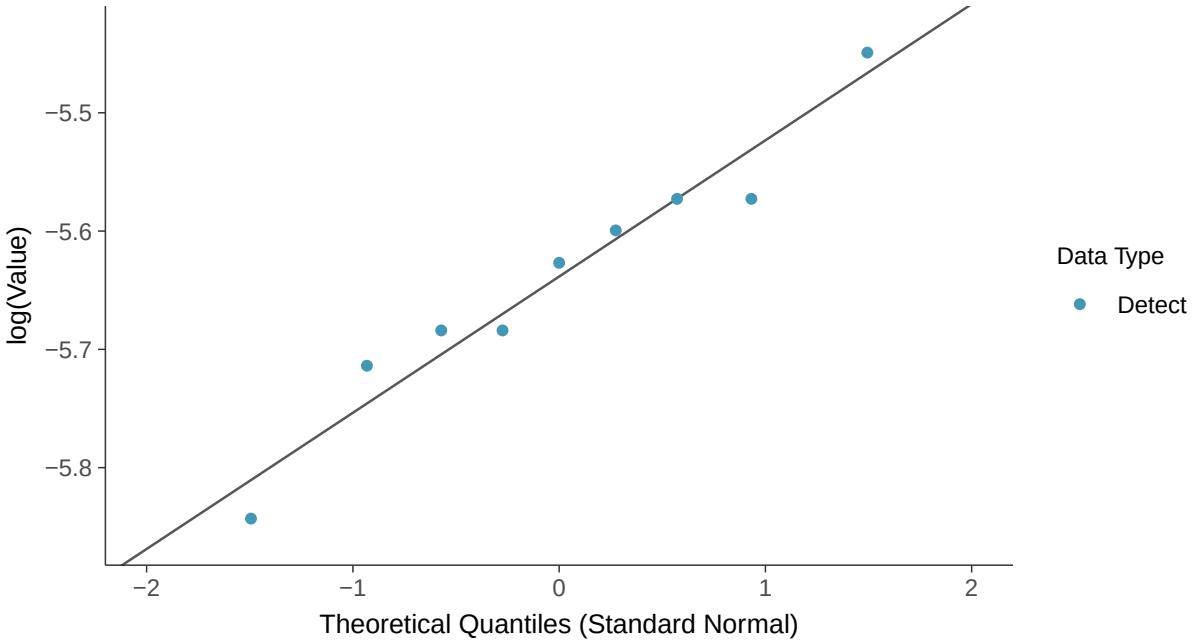
Normal Q-Q plot

Arsenic, MW-19B (mg/l)



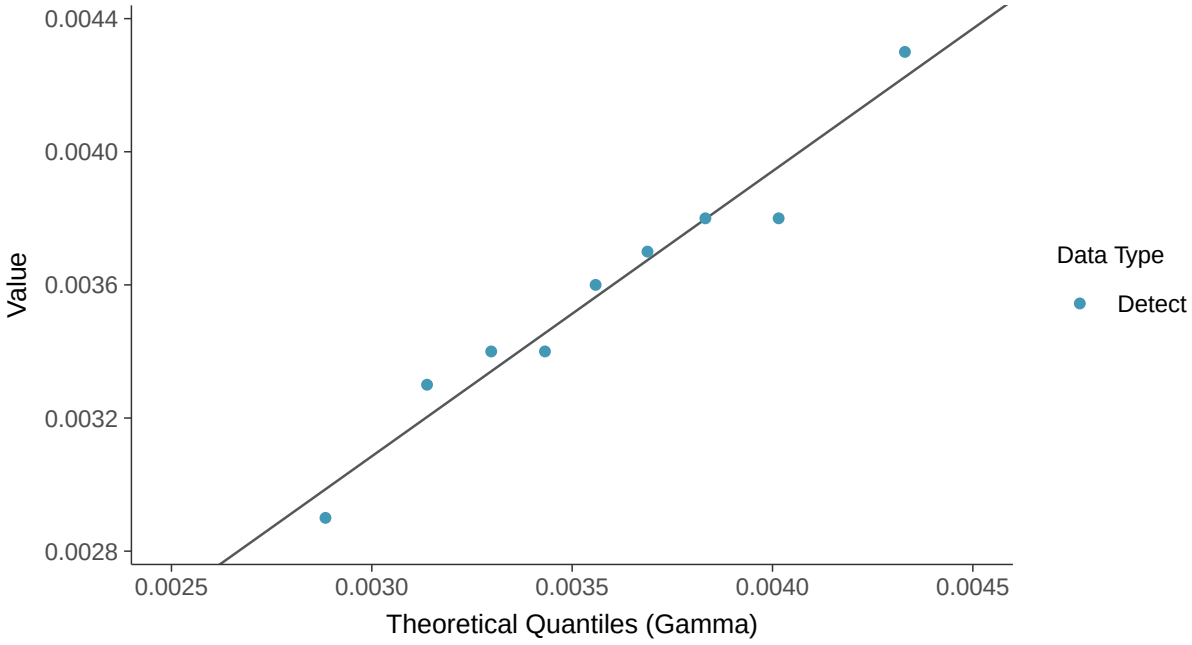
Lognormal Q-Q plot

Arsenic, MW-19B (mg/l)



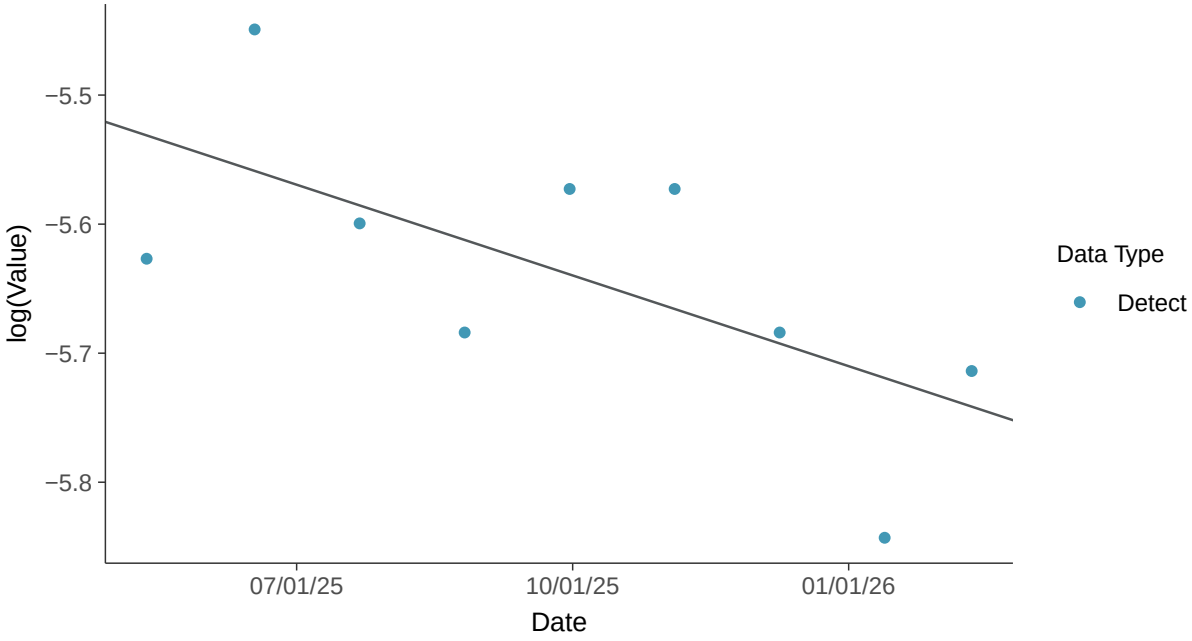
Gamma Q-Q plot

Arsenic, MW-19B (mg/l)



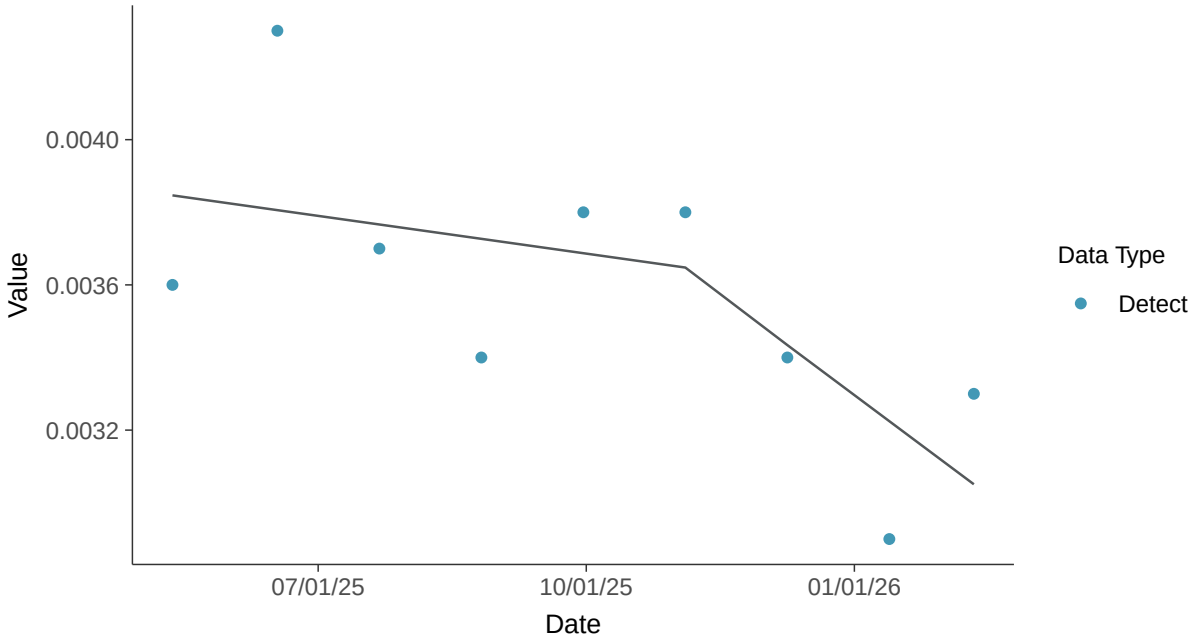
Trend Regression: Lognormal MLE

Arsenic, MW-19B (mg/l)



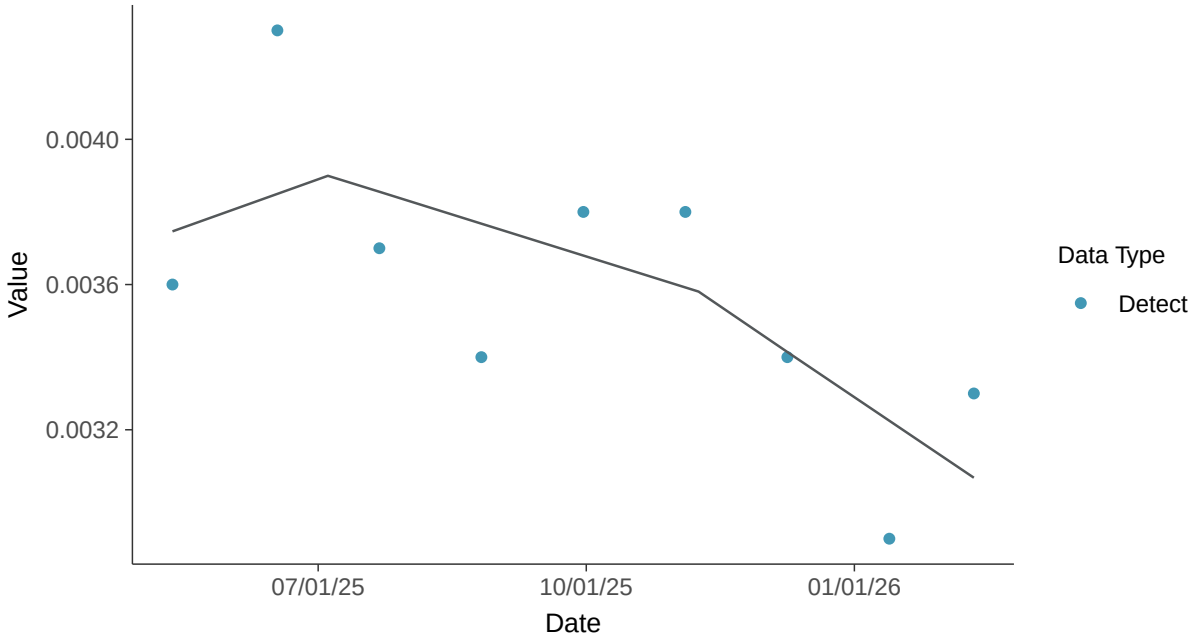
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-19B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Arsenic, MW-19B (mg/l)

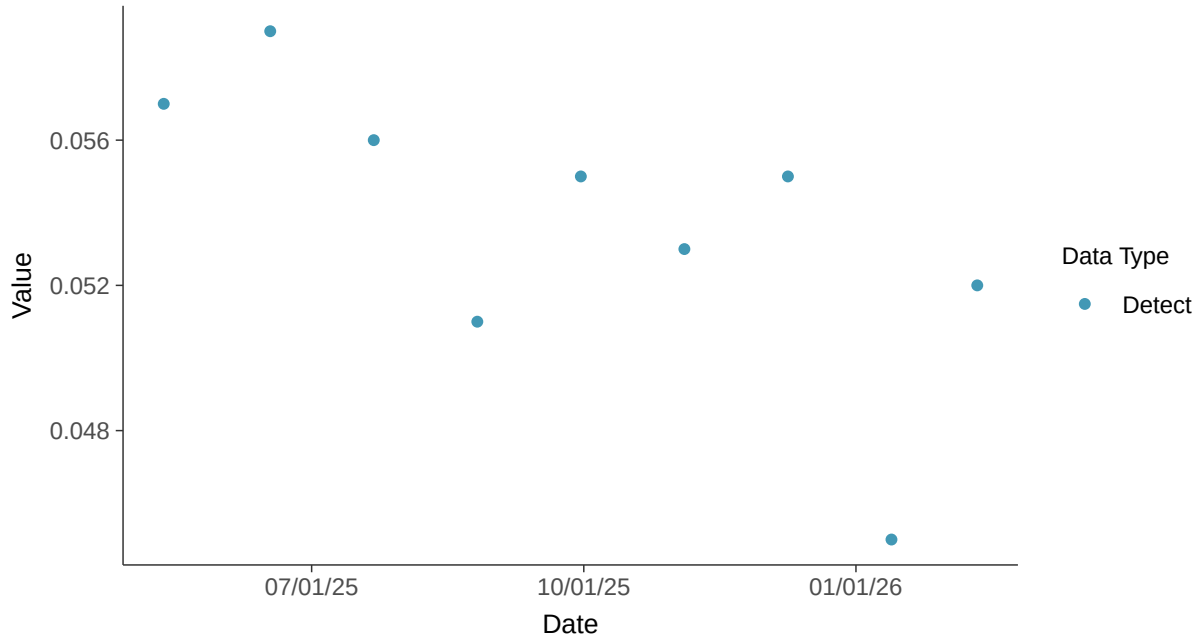


Appendix IV: Barium, MW-19B

ID: 31_3_103

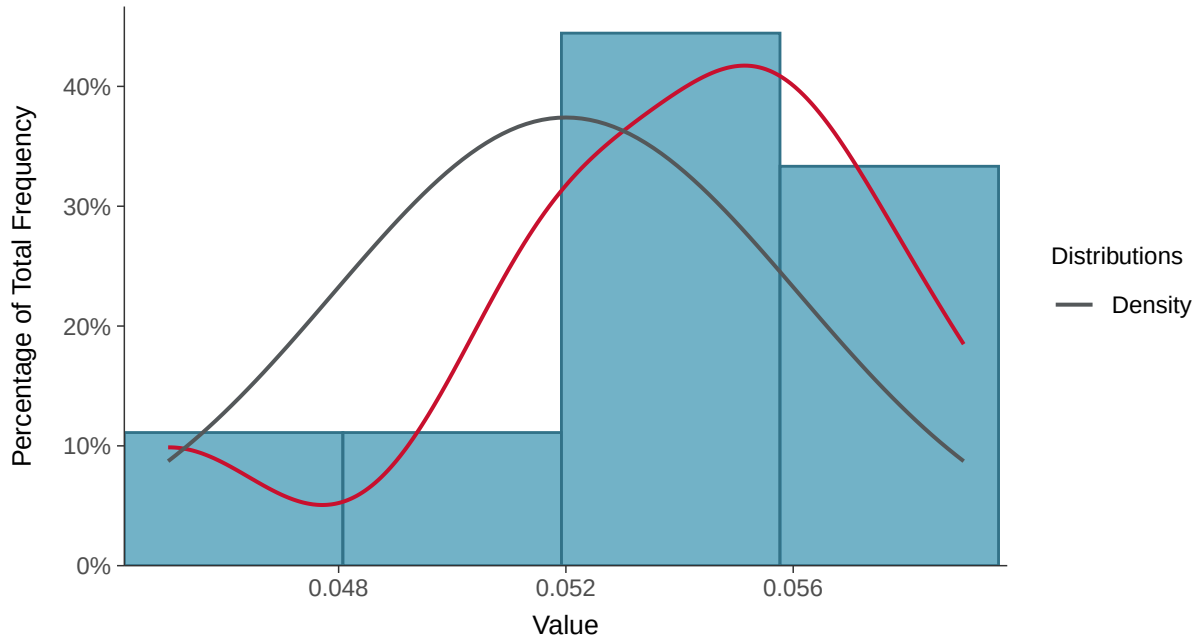
Scatter Plot

Barium, MW-19B (mg/l)



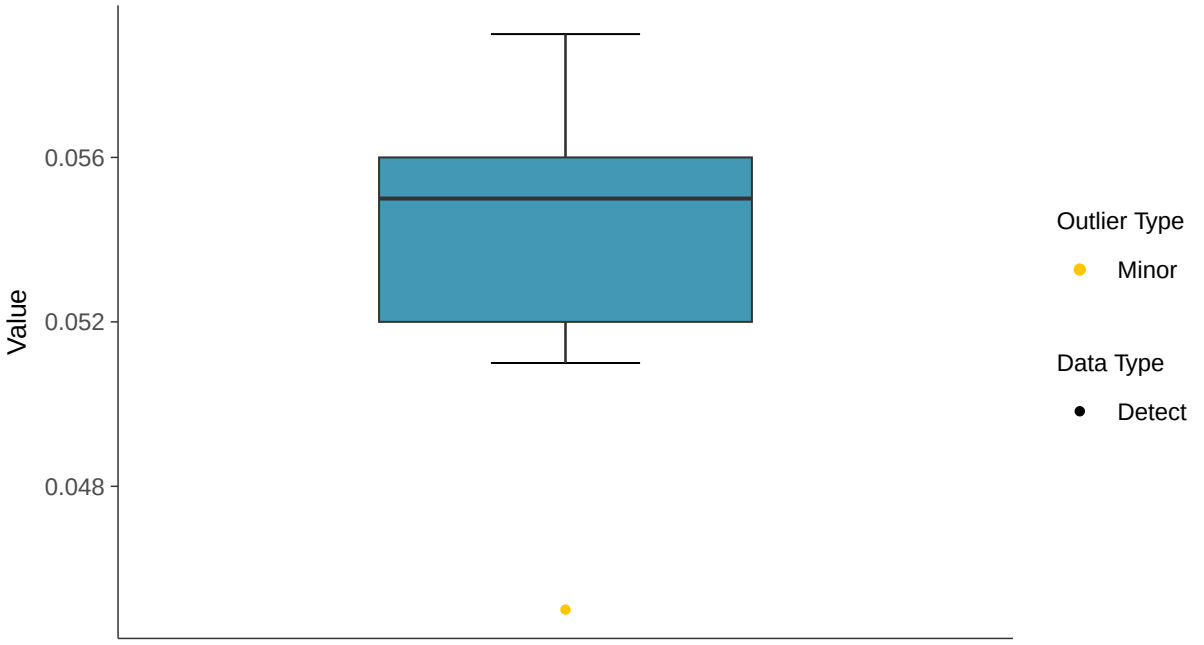
Histogram

Barium, MW-19B (mg/l)



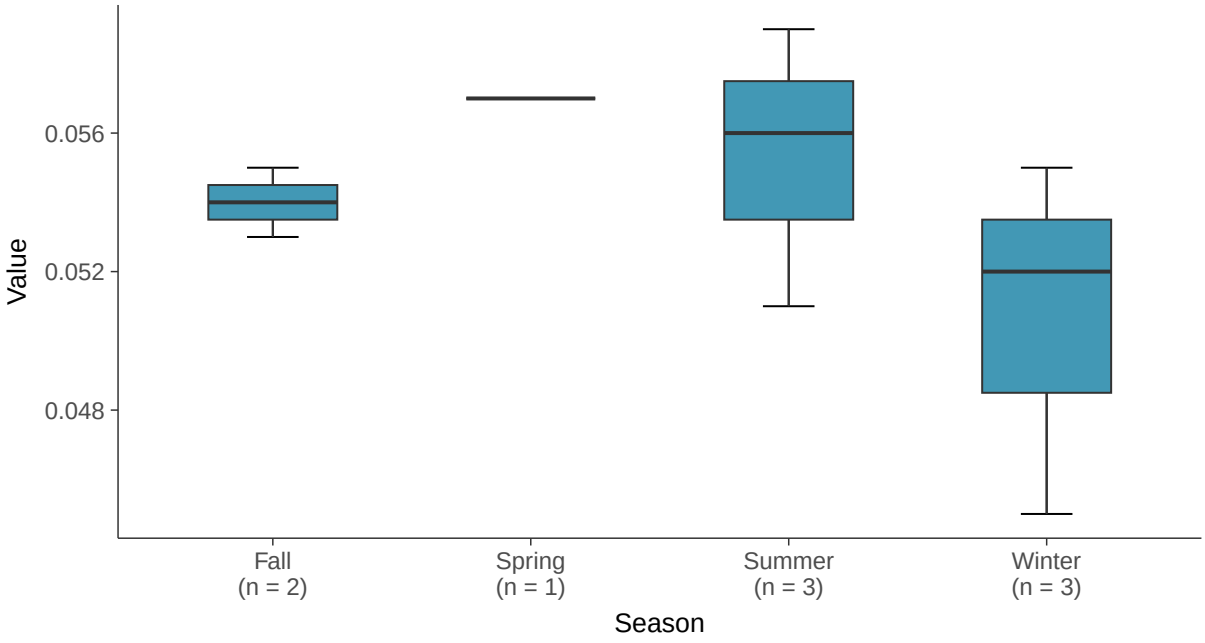
Boxplot

Barium, MW-19B (mg/l)



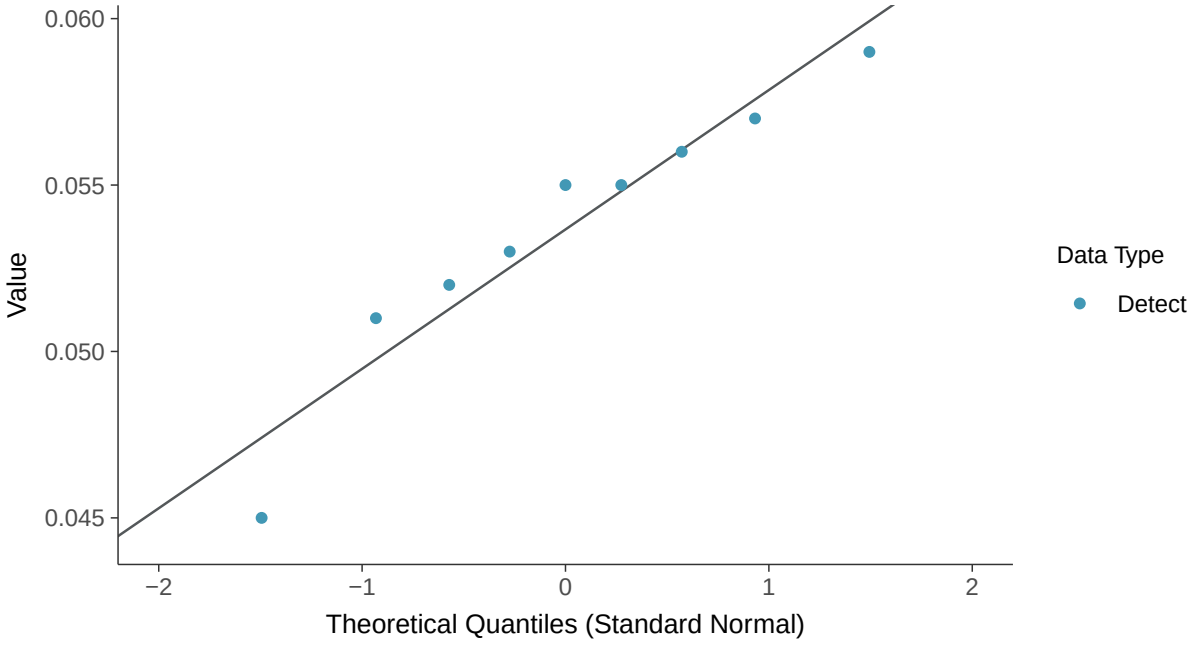
Boxplot by Season

Barium, MW-19B (mg/l)



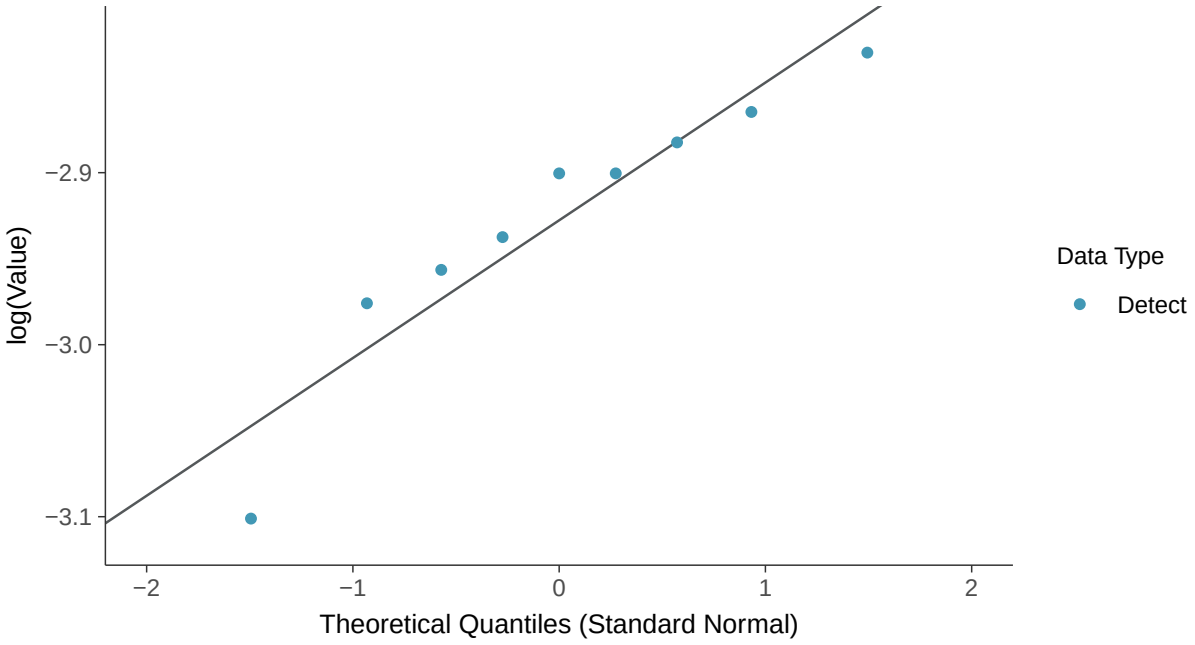
Normal Q-Q plot

Barium, MW-19B (mg/l)



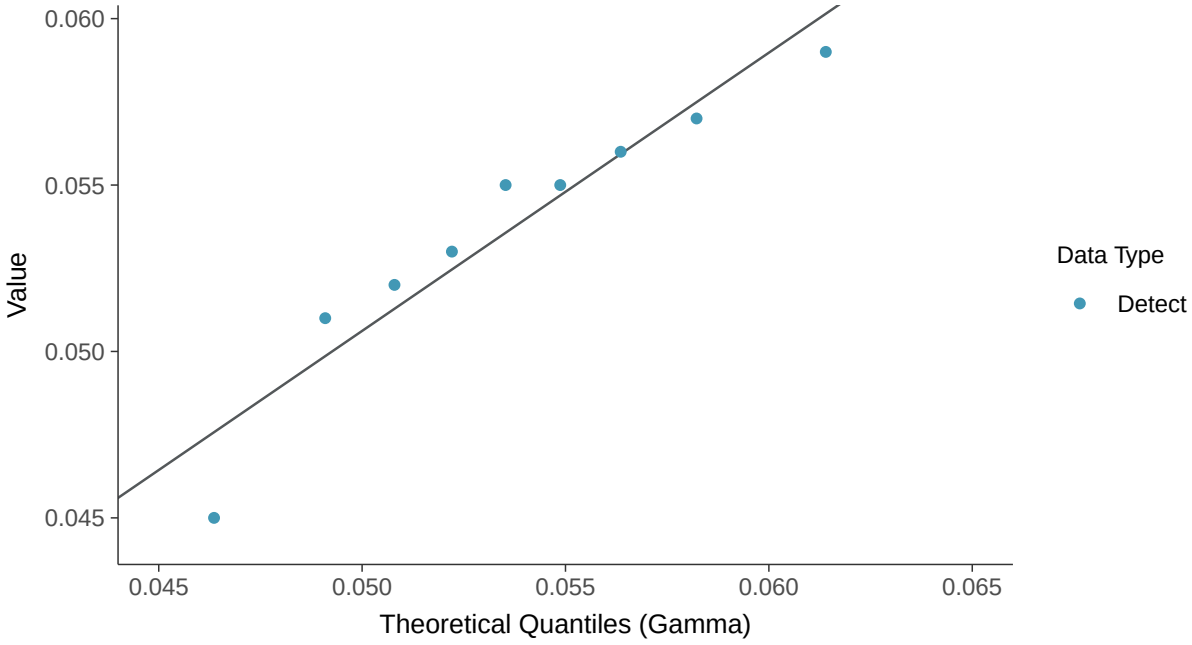
Lognormal Q-Q plot

Barium, MW-19B (mg/l)



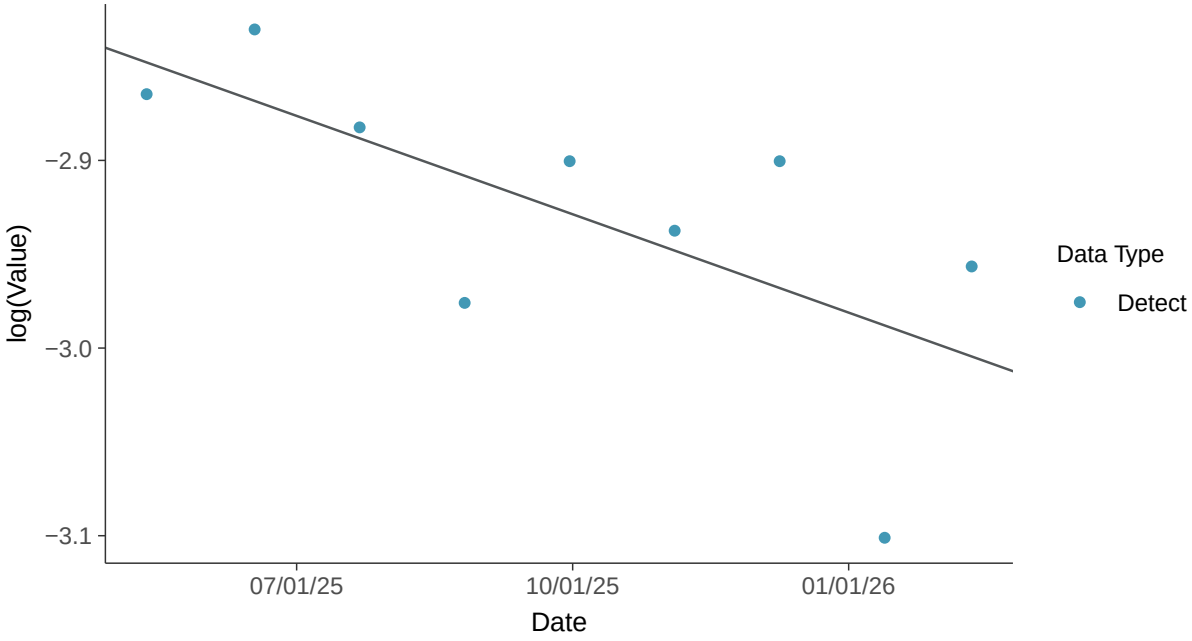
Gamma Q-Q plot

Barium, MW-19B (mg/l)



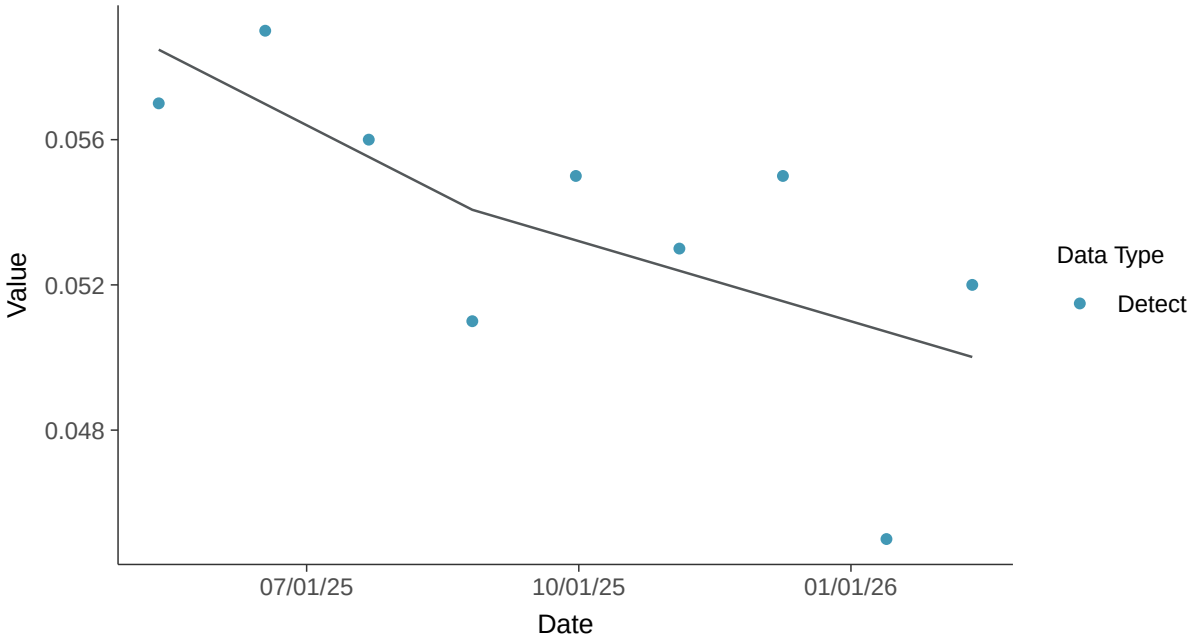
Trend Regression: Lognormal MLE

Barium, MW-19B (mg/l)



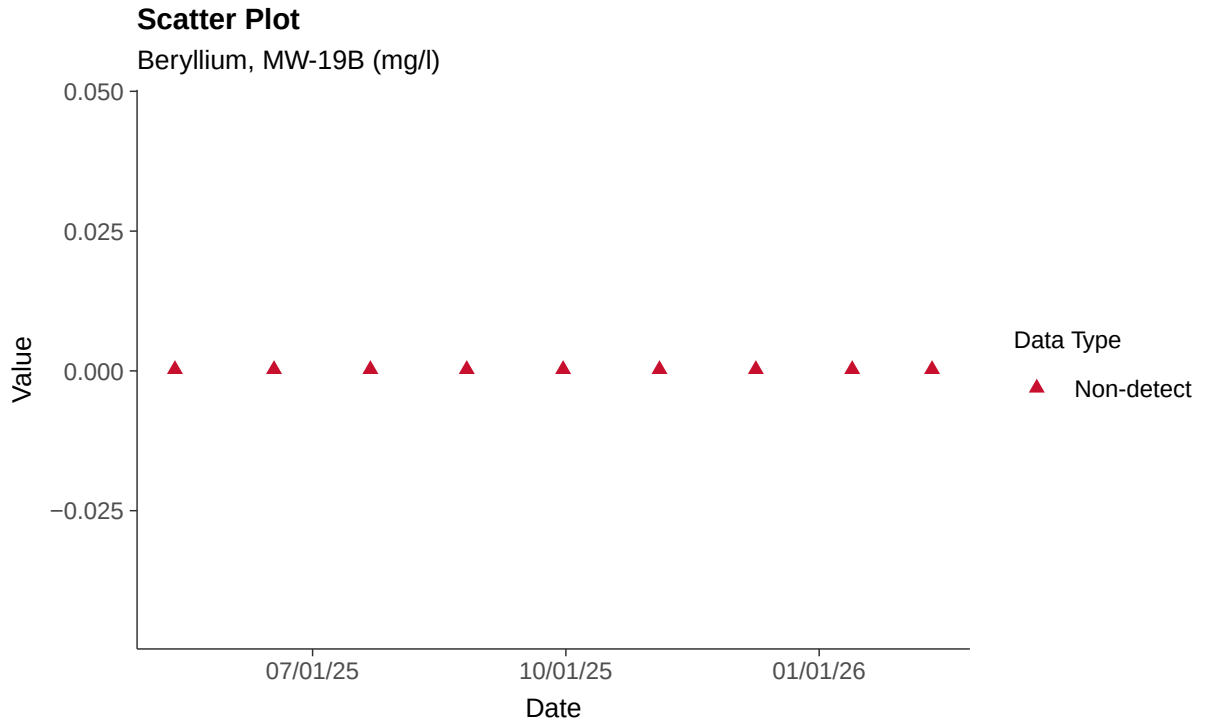
Trend Regression: Piecewise Linear-Linear

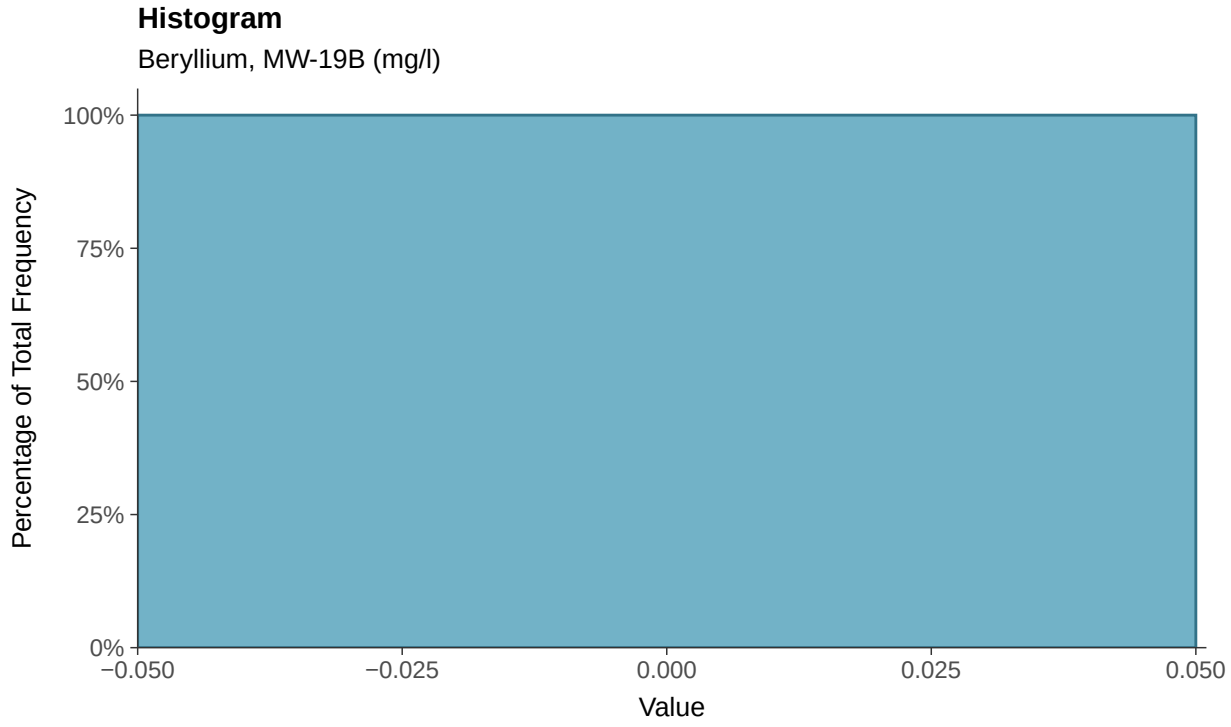
Barium, MW-19B (mg/l)



Appendix IV: Beryllium, MW-19B

ID: 31_3_104



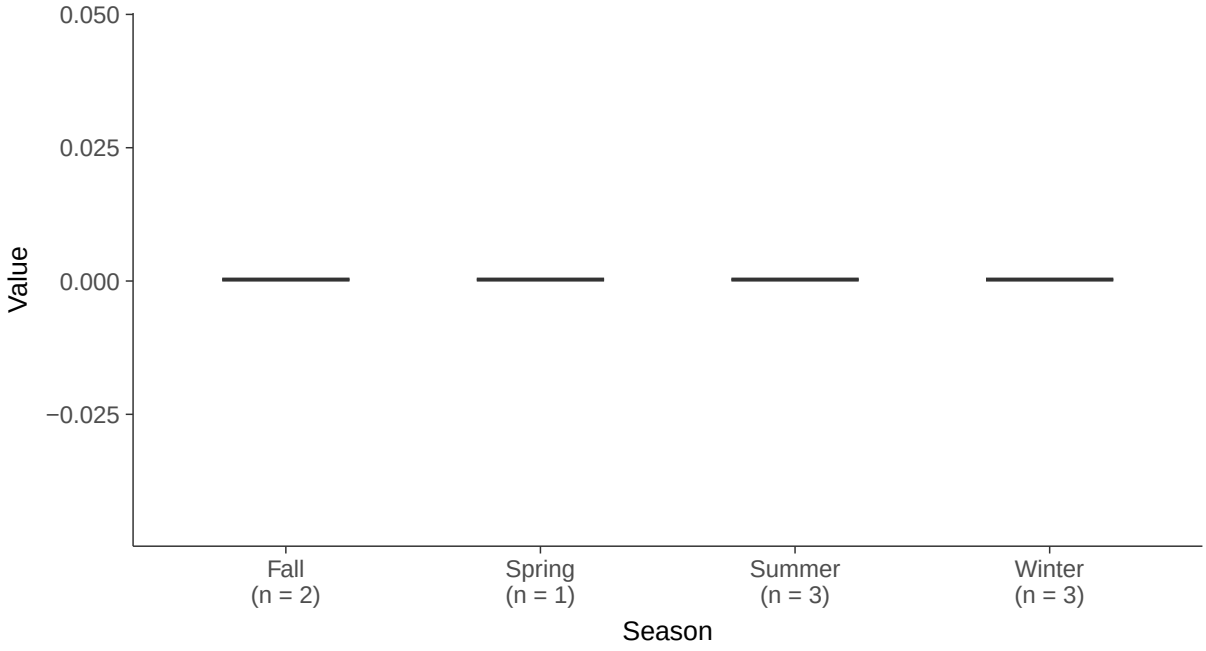


Boxplot

Beryllium, MW-19B (mg/l)

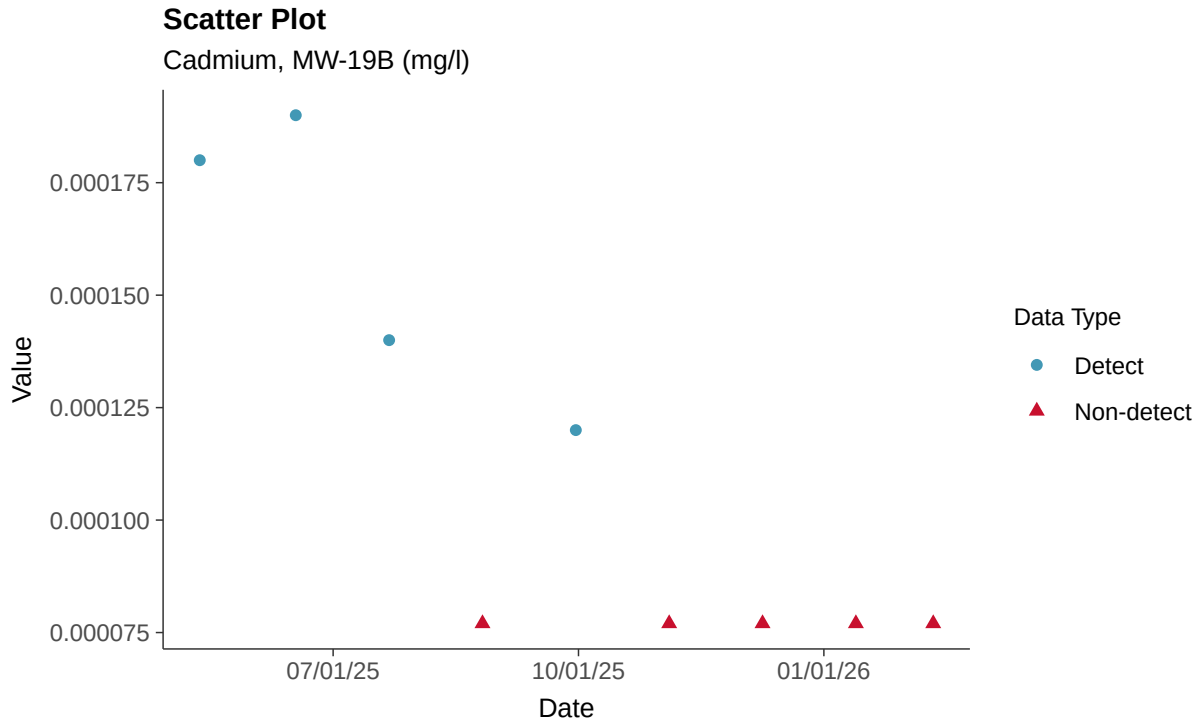
Boxplot by Season

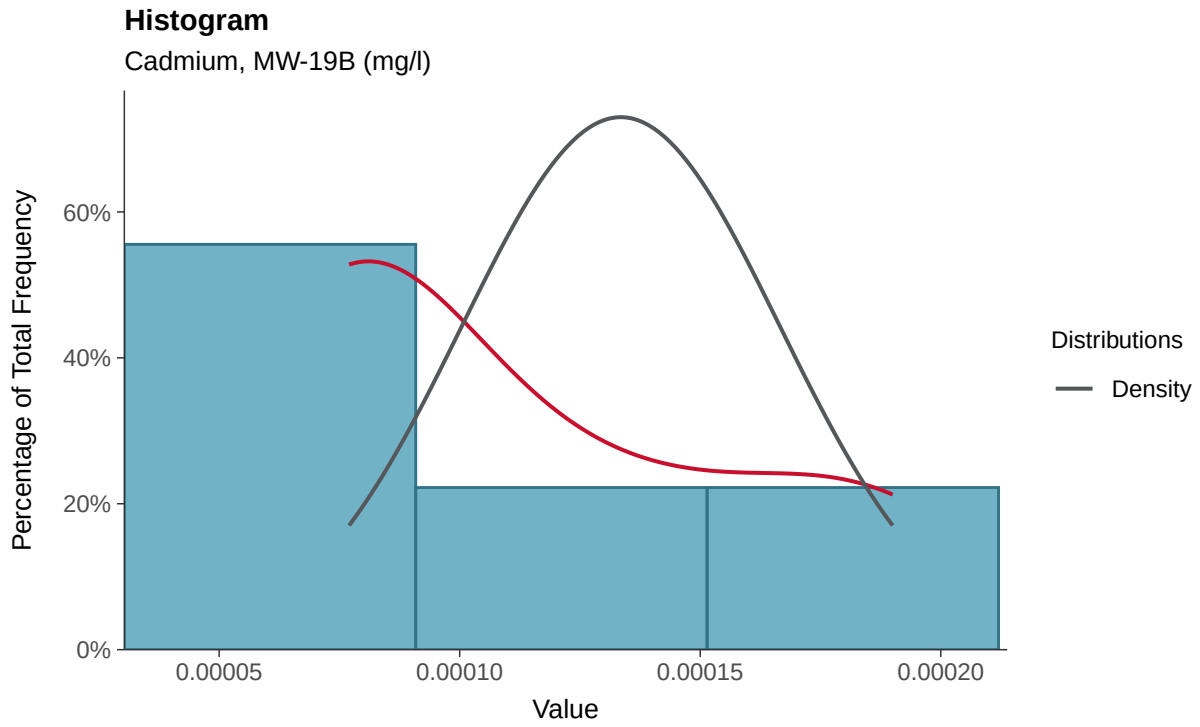
Beryllium, MW-19B (mg/l)



Appendix IV: Cadmium, MW-19B

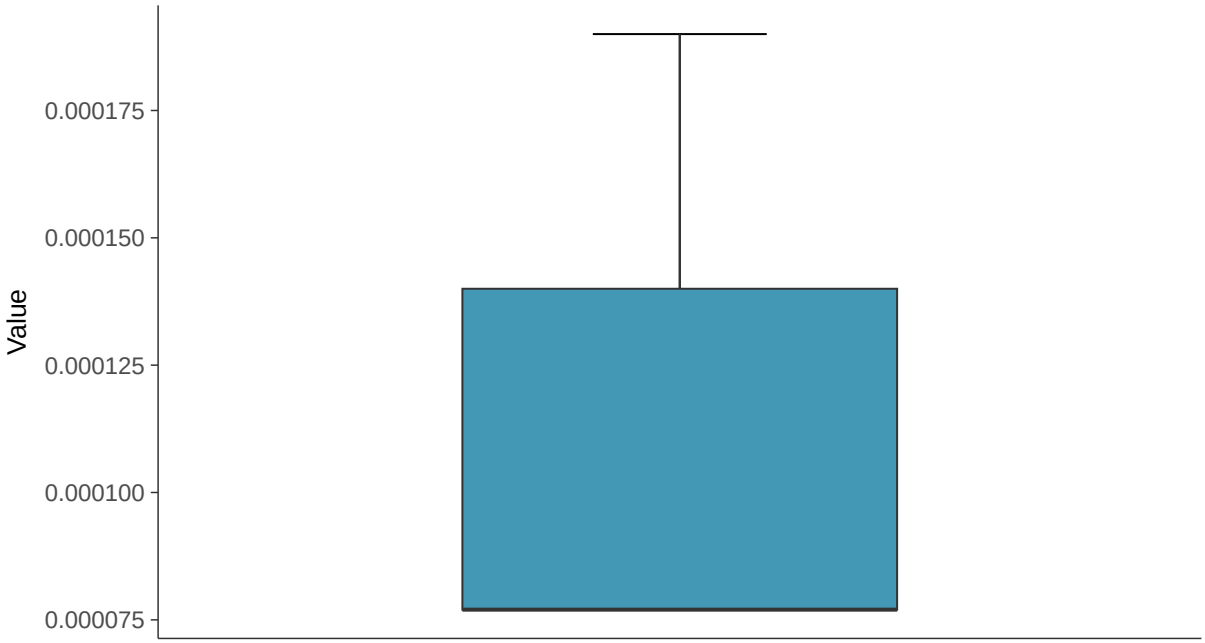
ID: 31_3_106





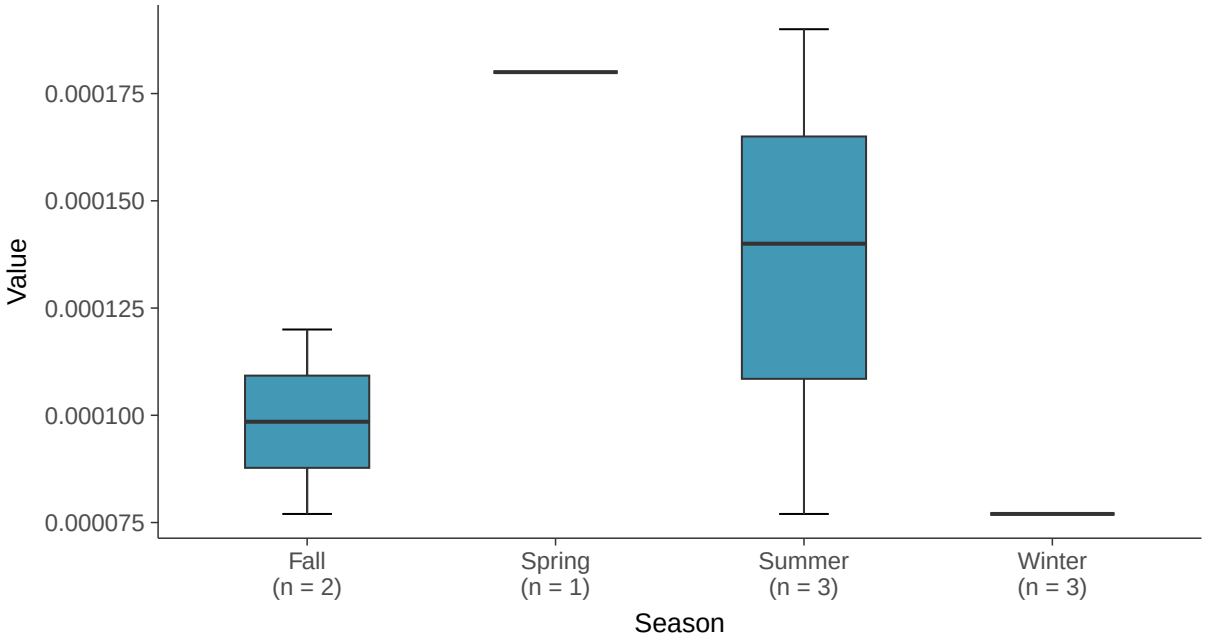
Boxplot

Cadmium, MW-19B (mg/l)



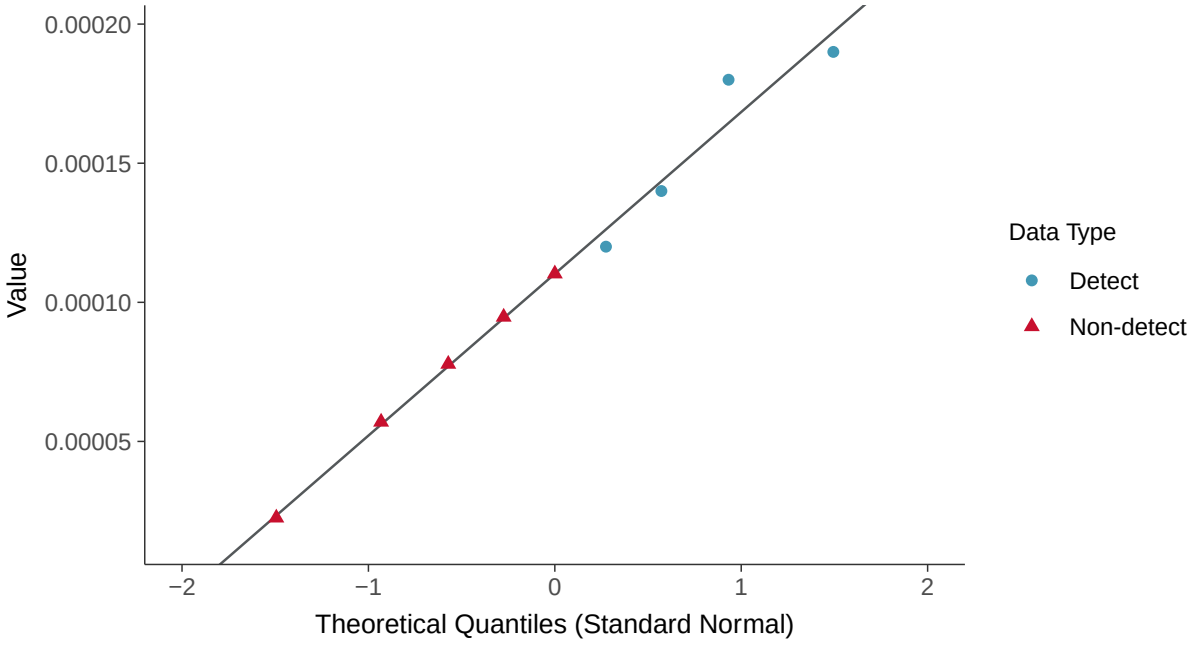
Boxplot by Season

Cadmium, MW-19B (mg/l)



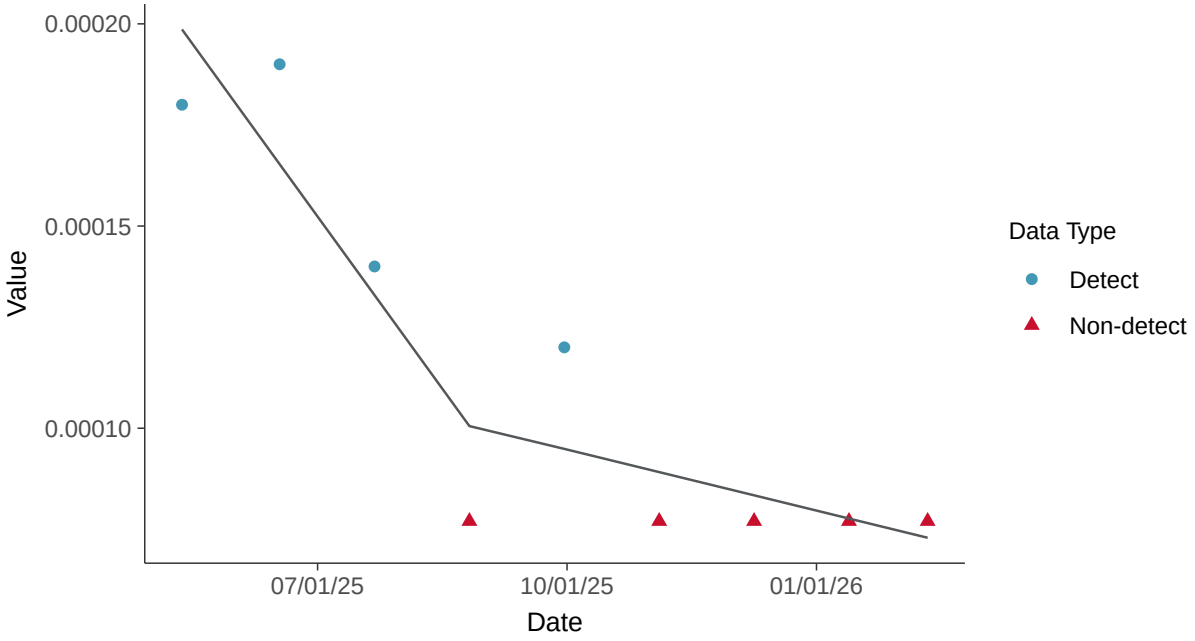
Normal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-19B (mg/l)



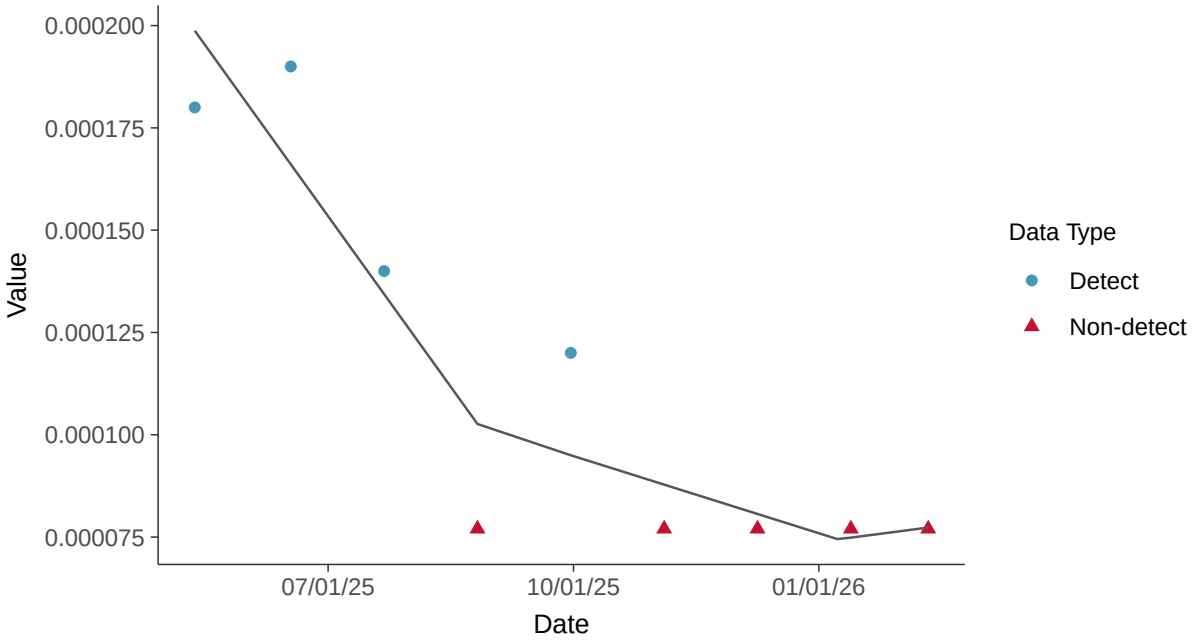
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-19B (mg/l)



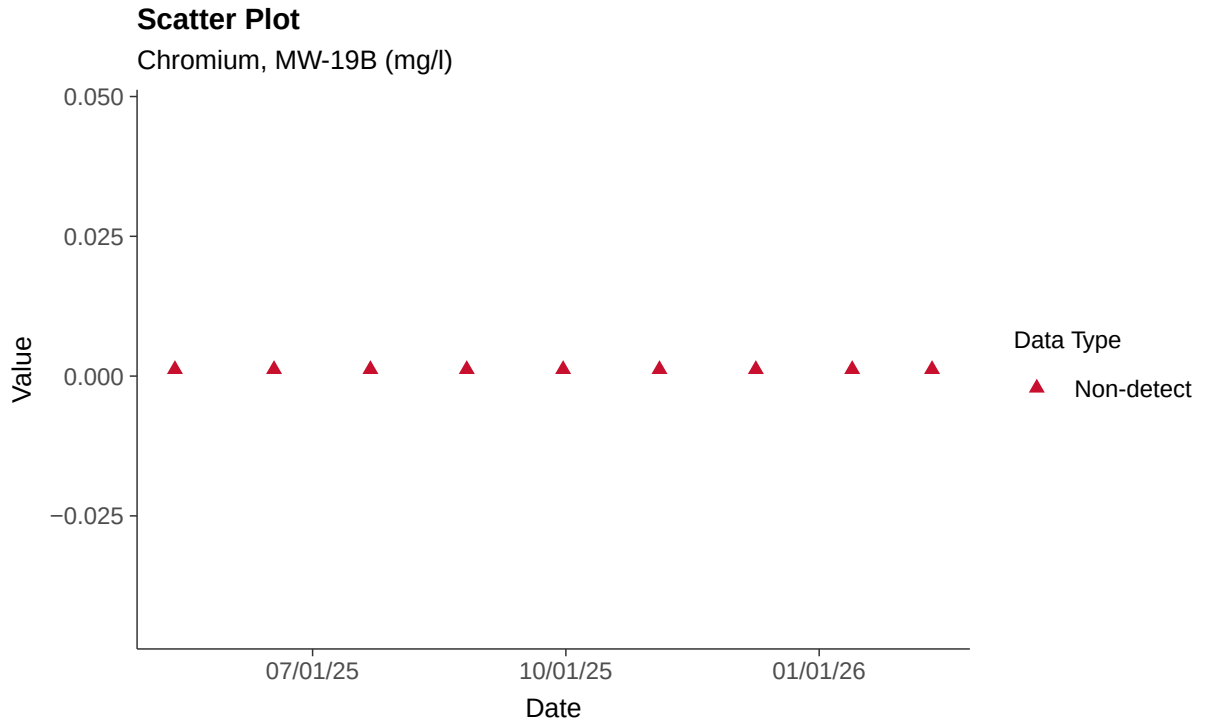
Trend Regression: Piecewise Linear-Linear-Linear

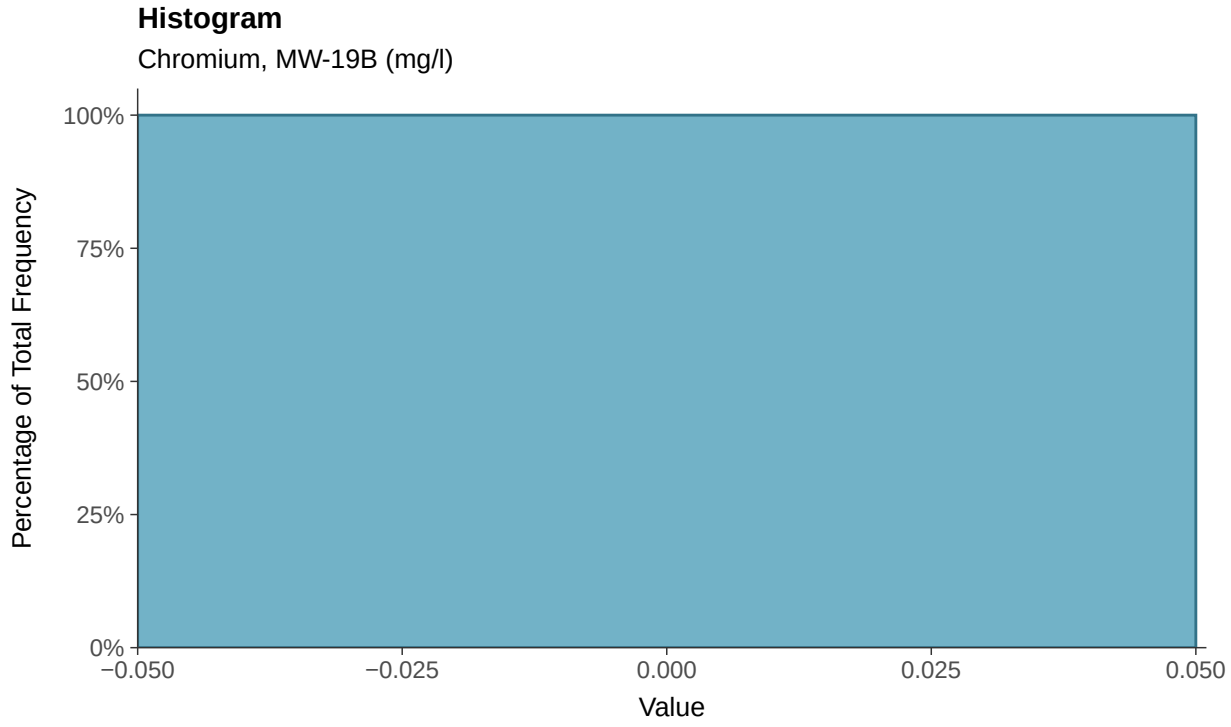
Cadmium, MW-19B (mg/l)



Appendix IV: Chromium, MW-19B

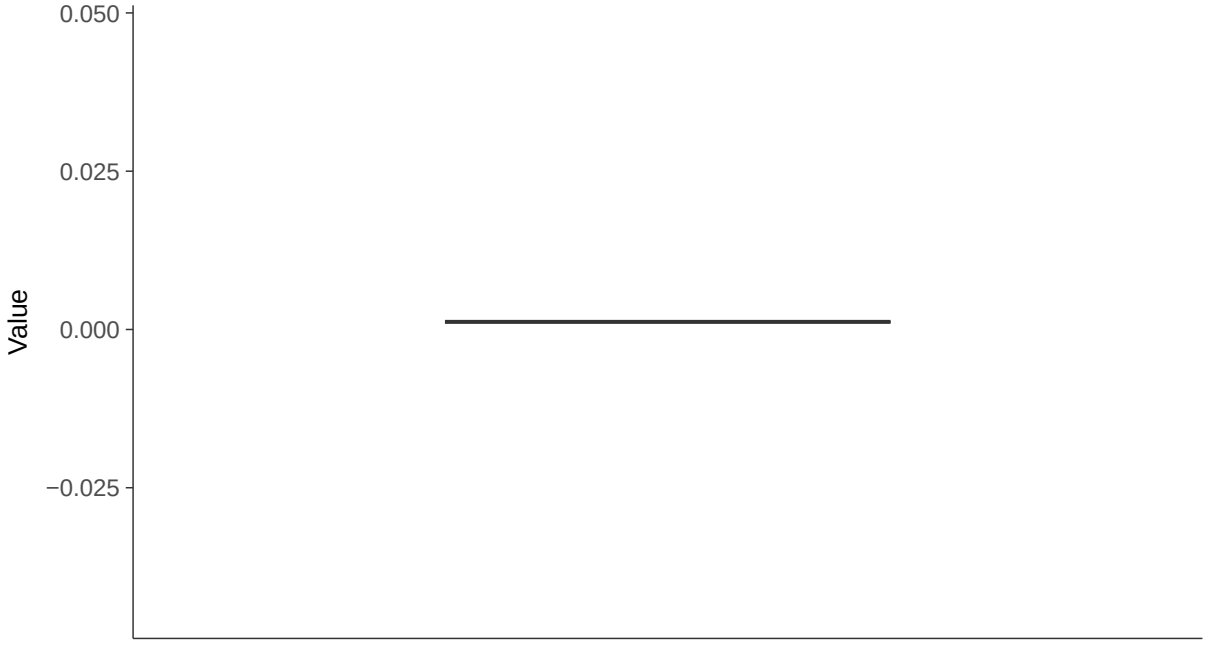
ID: 31_3_109





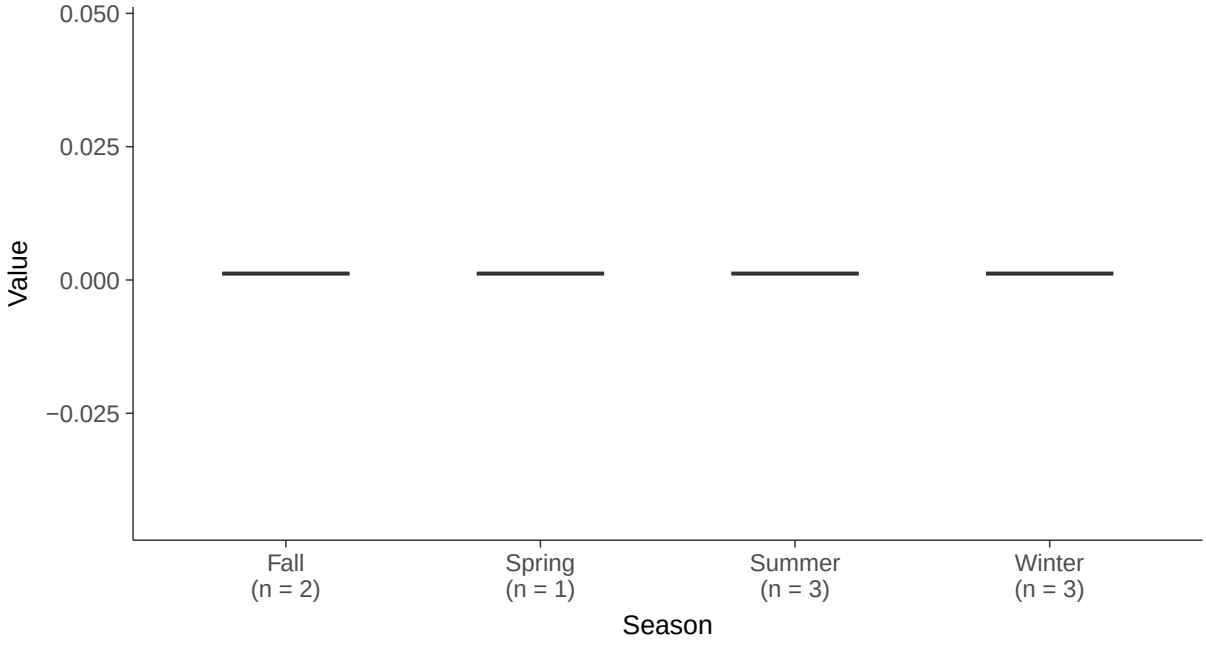
Boxplot

Chromium, MW-19B (mg/l)



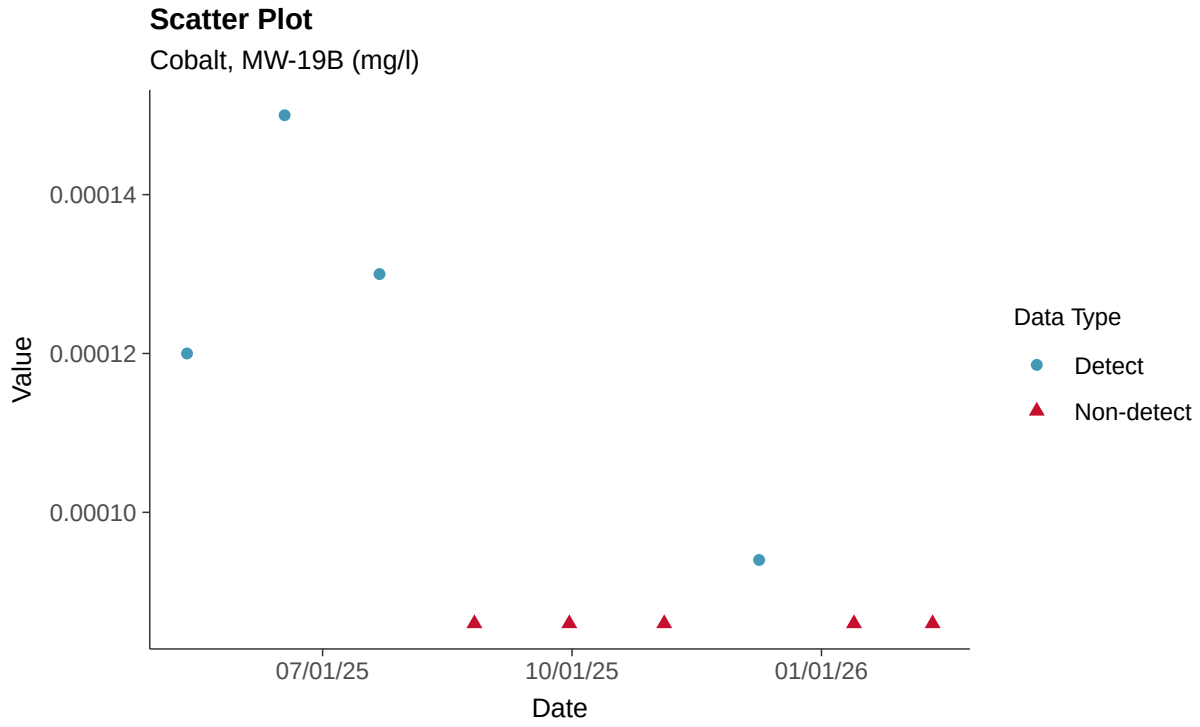
Boxplot by Season

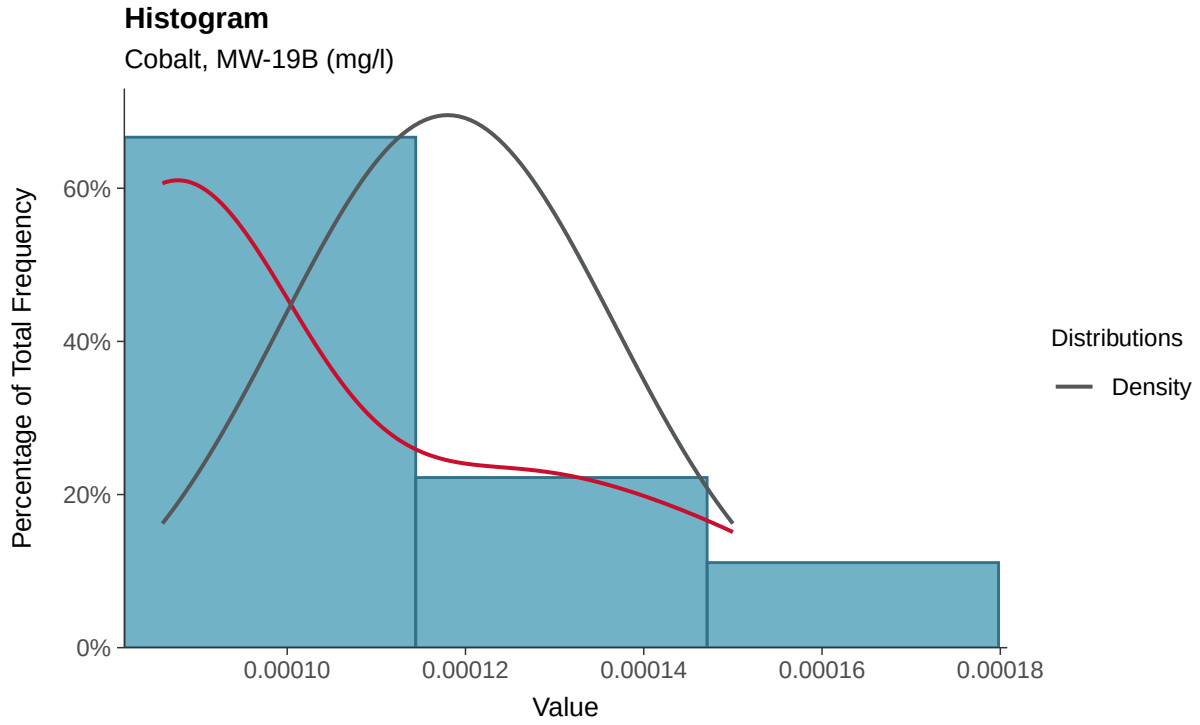
Chromium, MW-19B (mg/l)



Appendix IV: Cobalt, MW-19B

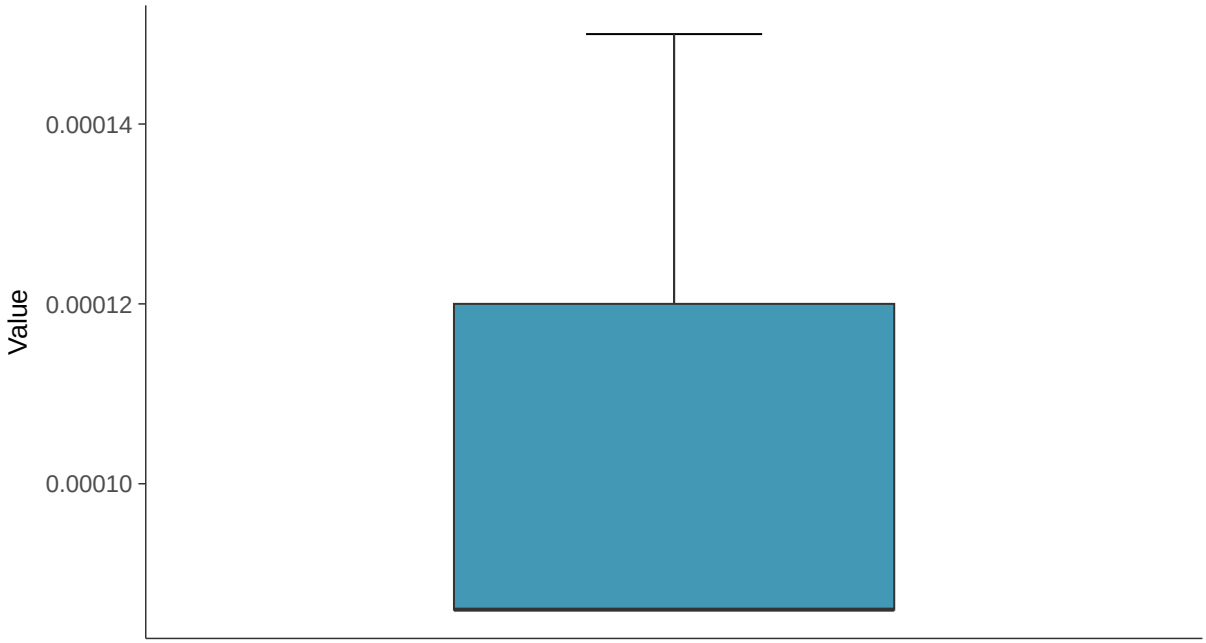
ID: 31_3_110





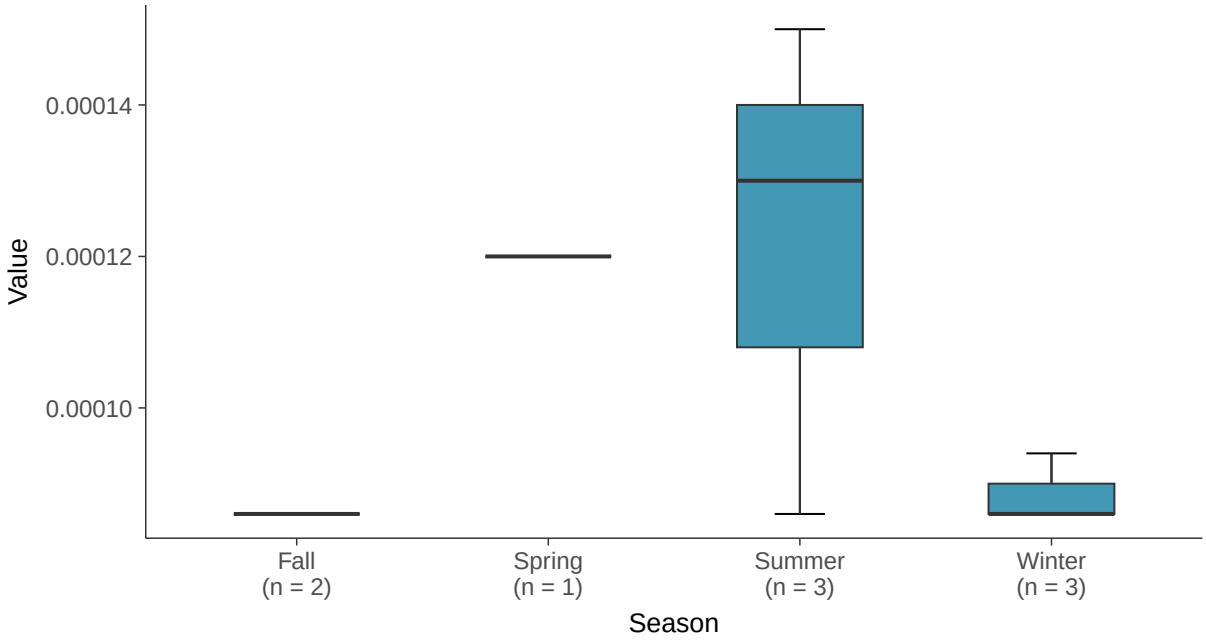
Boxplot

Cobalt, MW-19B (mg/l)



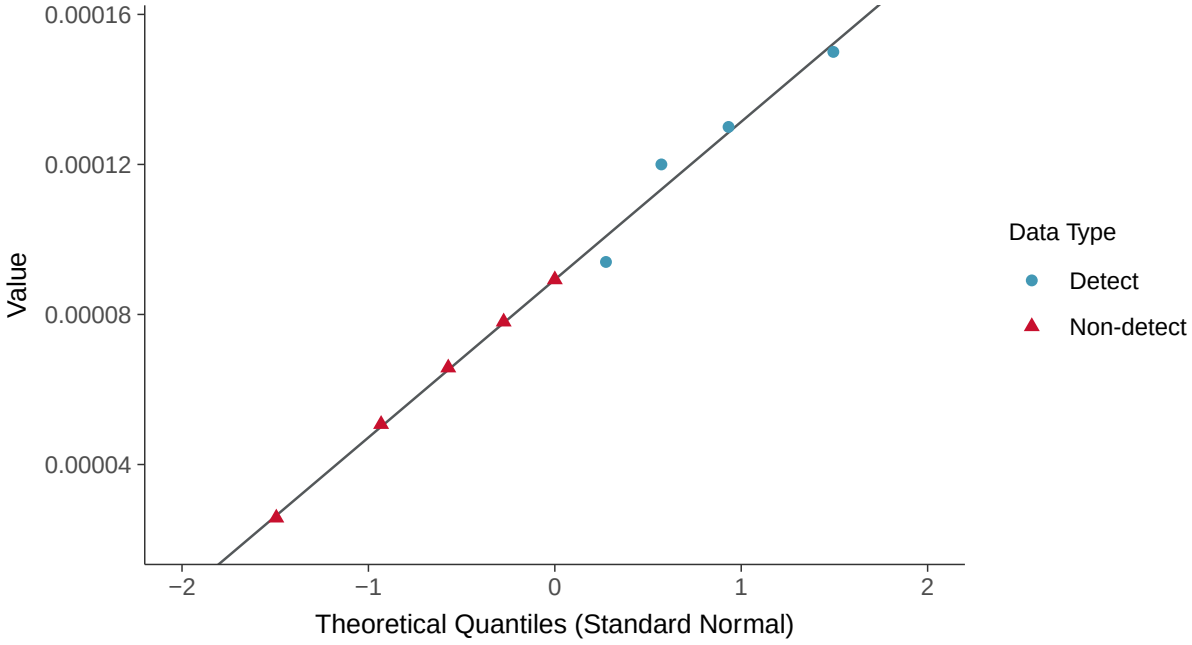
Boxplot by Season

Cobalt, MW-19B (mg/l)



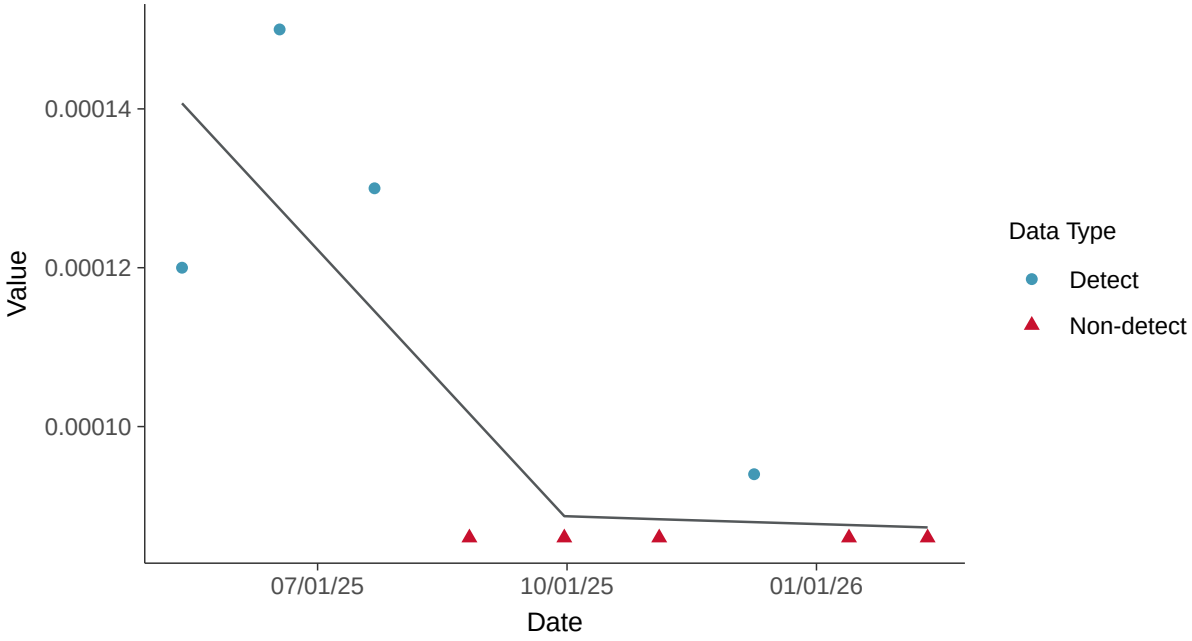
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-19B (mg/l)



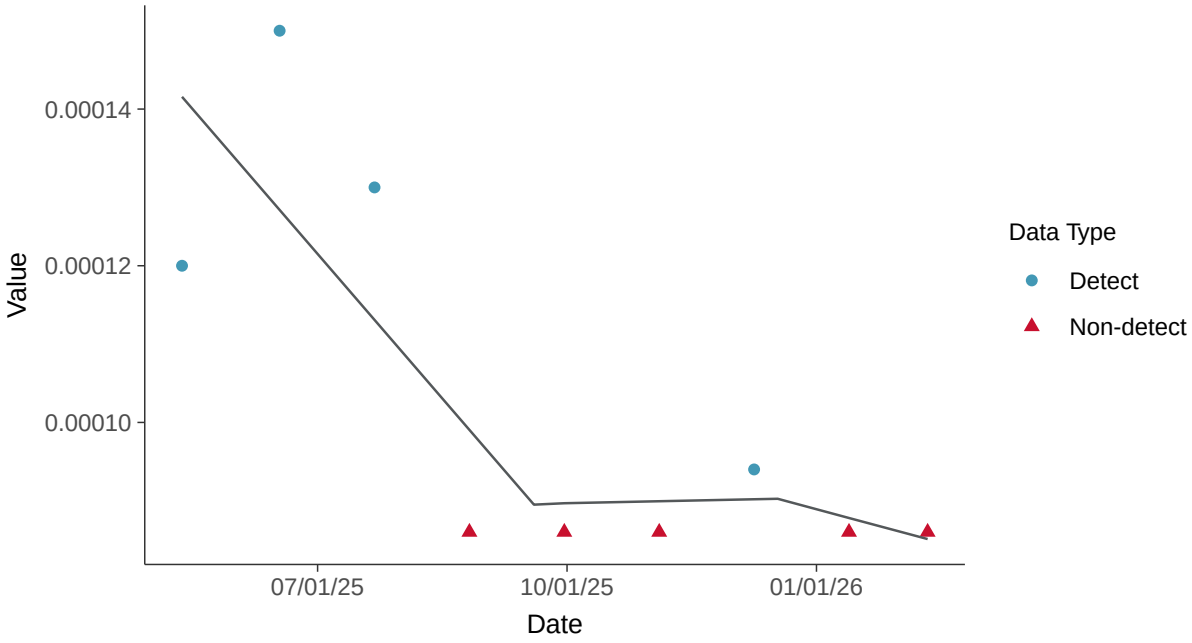
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-19B (mg/l)



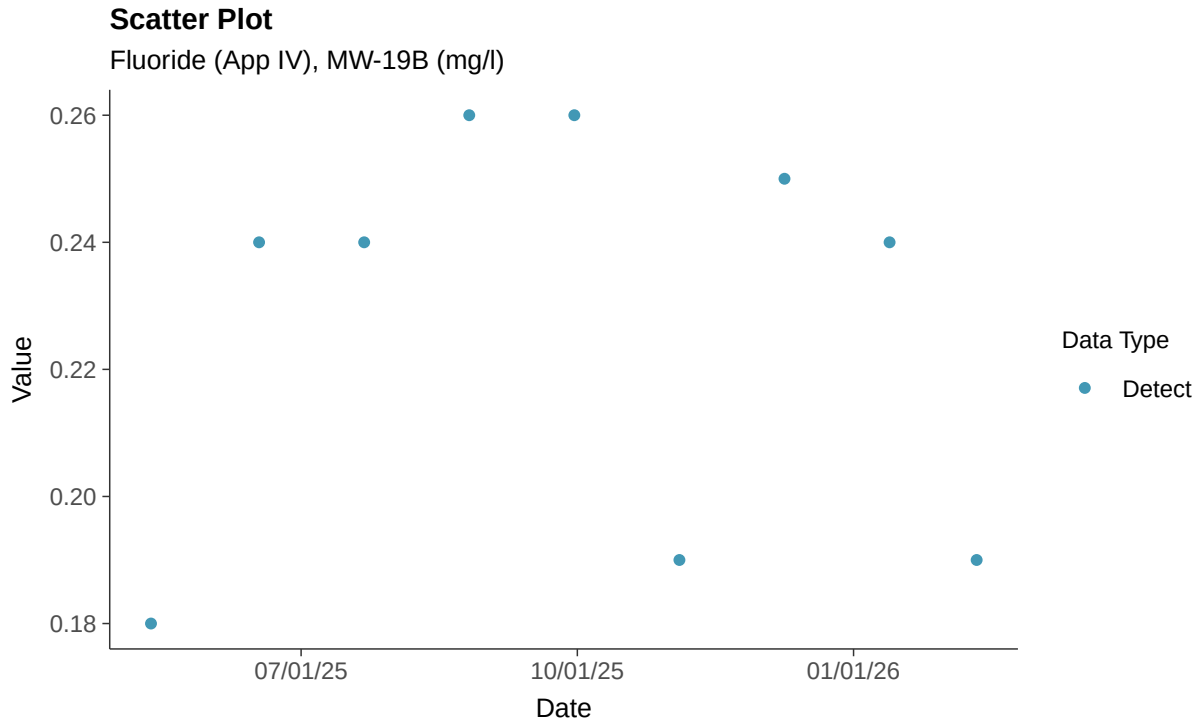
Trend Regression: Piecewise Linear-Linear-Linear

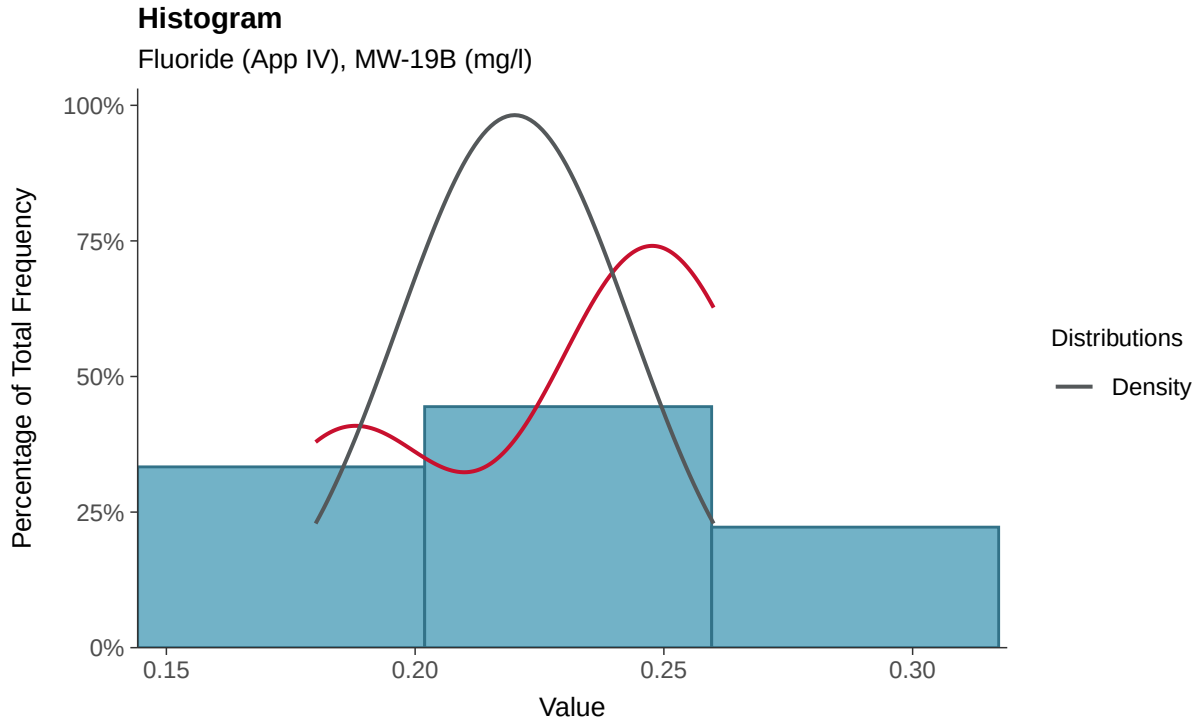
Cobalt, MW-19B (mg/l)



Appendix IV: Fluoride (App IV), MW-19B

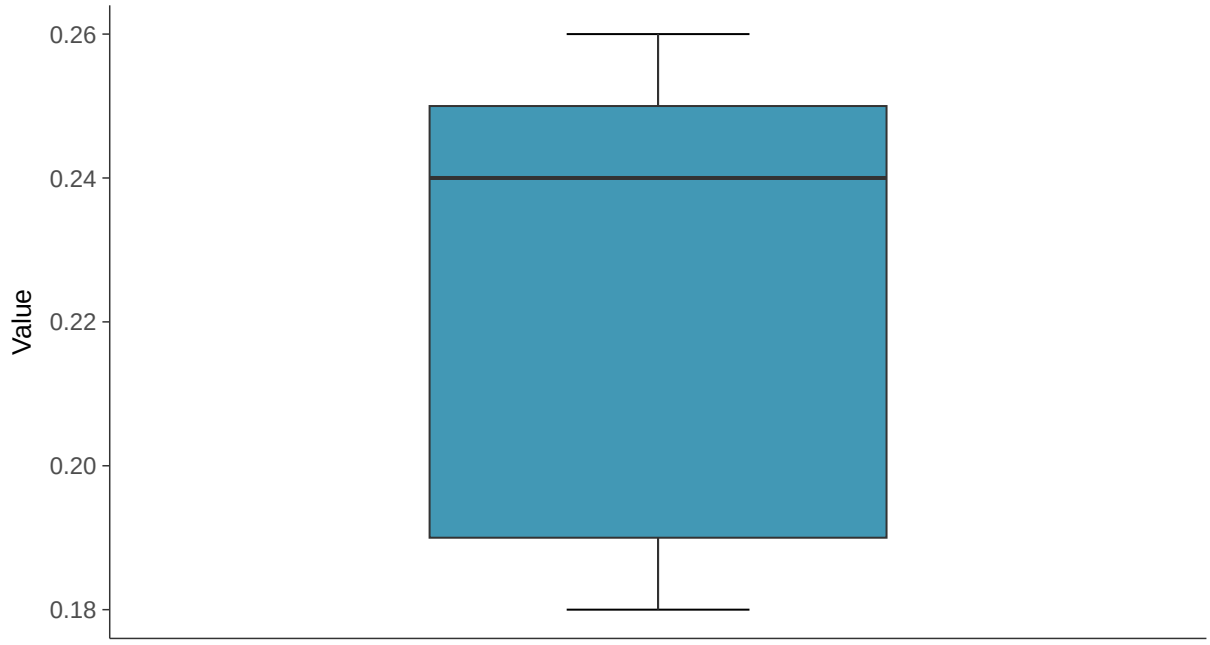
ID: 31_3_113





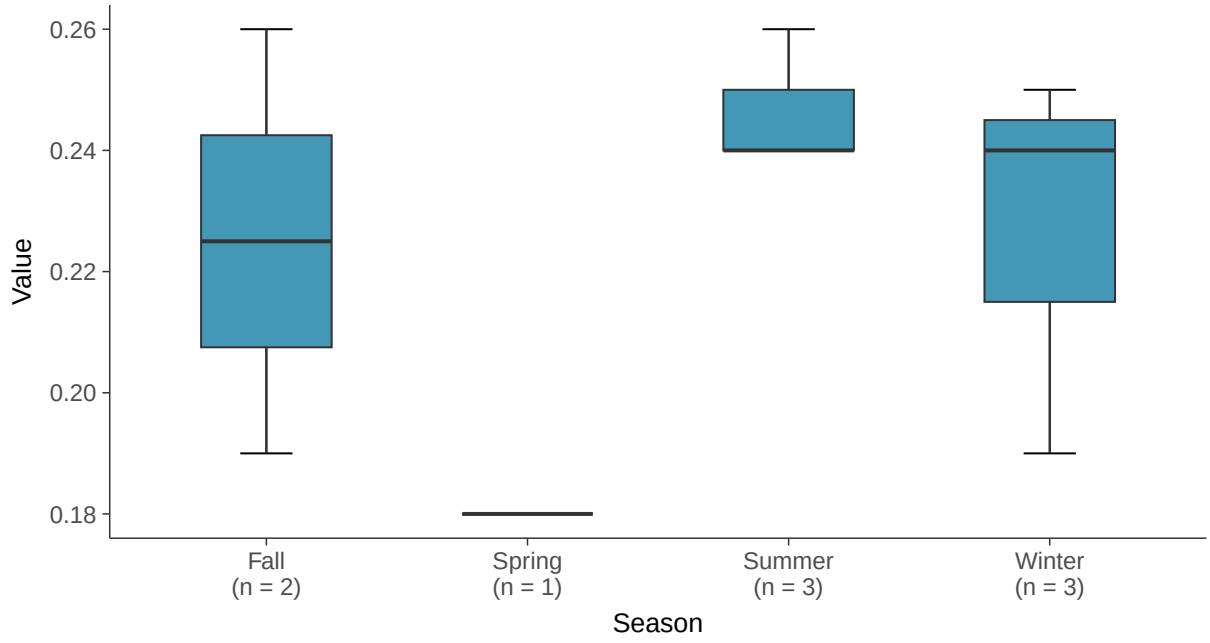
Boxplot

Fluoride (App IV), MW-19B (mg/l)



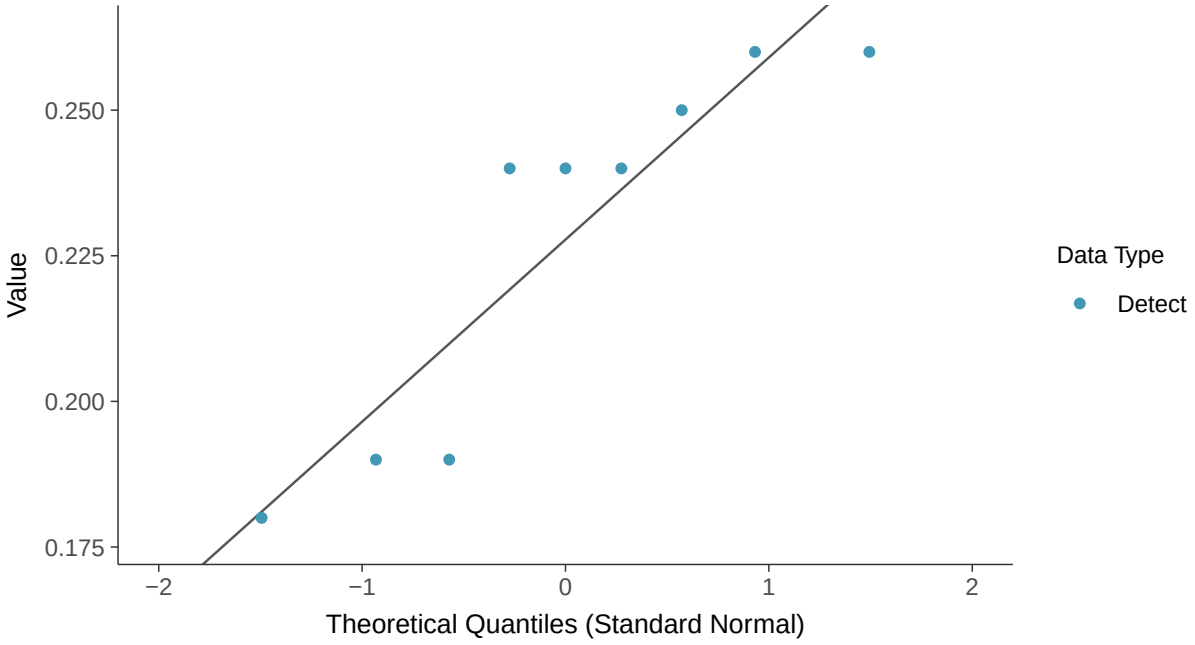
Boxplot by Season

Fluoride (App IV), MW-19B (mg/l)



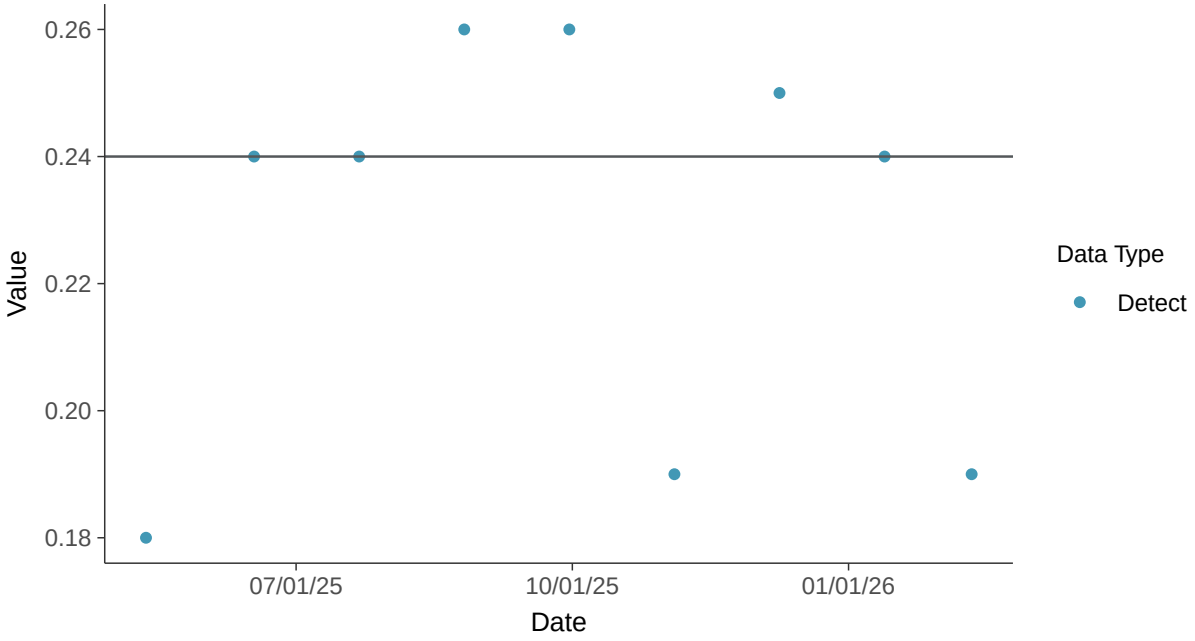
Normal Q-Q plot

Fluoride (App IV), MW-19B (mg/l)



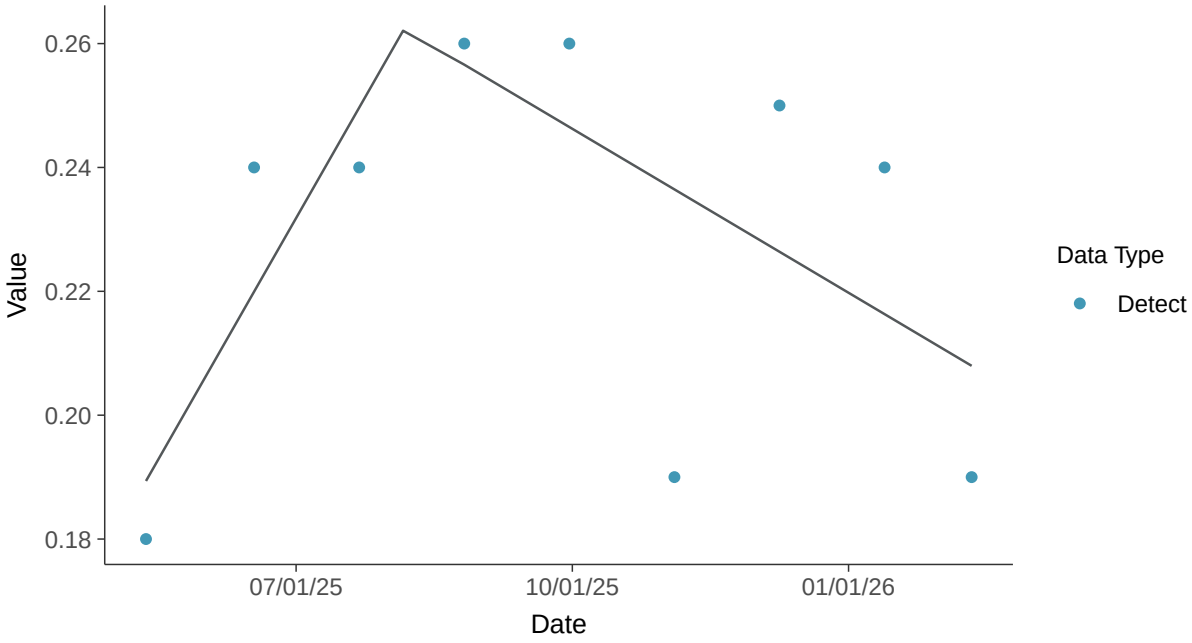
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride (App IV), MW-19B (mg/l)



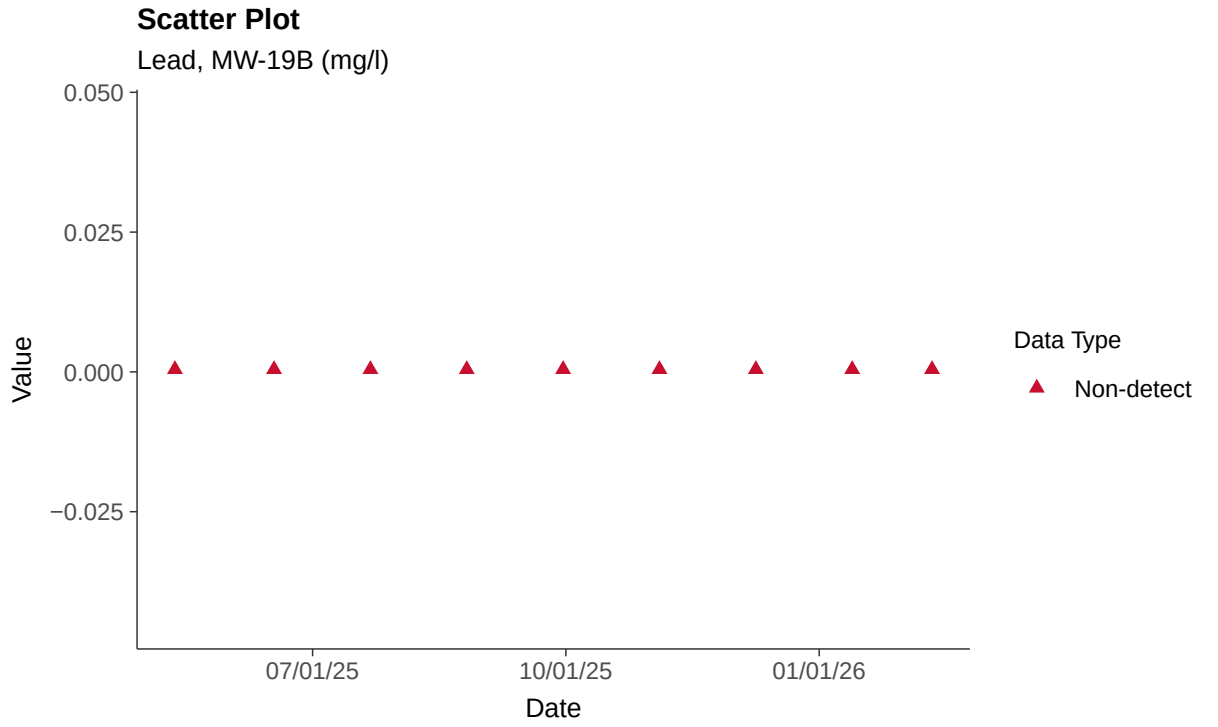
Trend Regression: Piecewise Linear-Linear

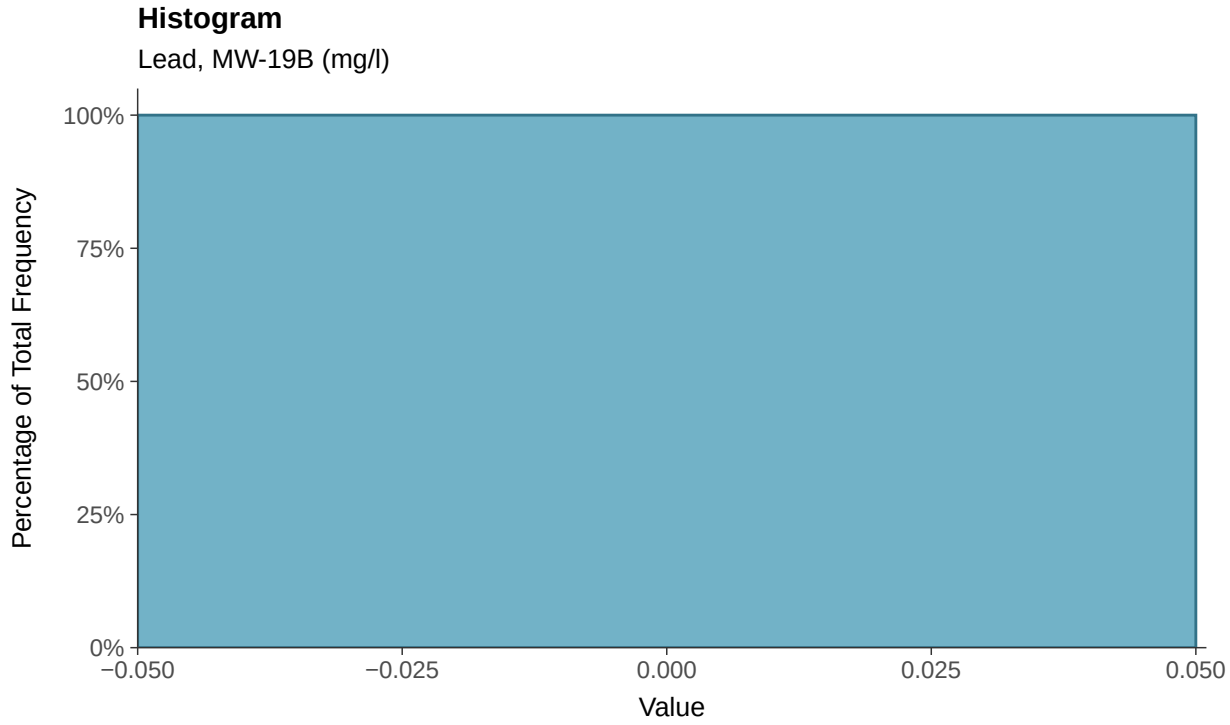
Fluoride (App IV), MW-19B (mg/l)



Appendix IV: Lead, MW-19B

ID: 31_3_115



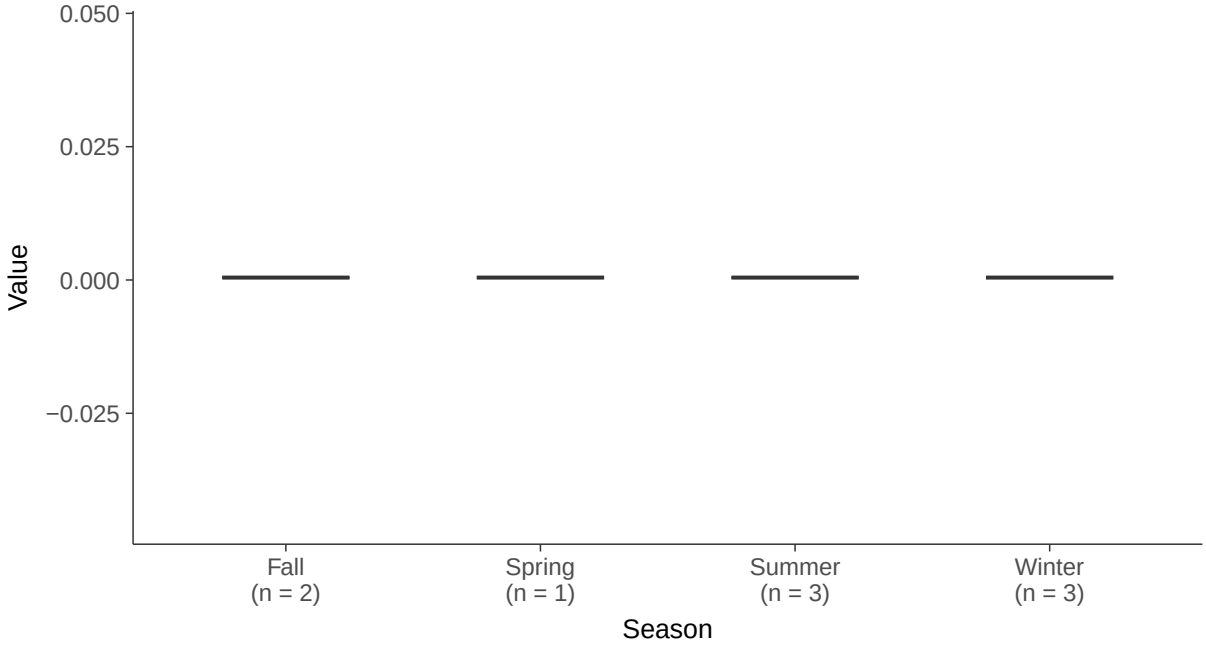


Boxplot

Lead, MW-19B (mg/l)

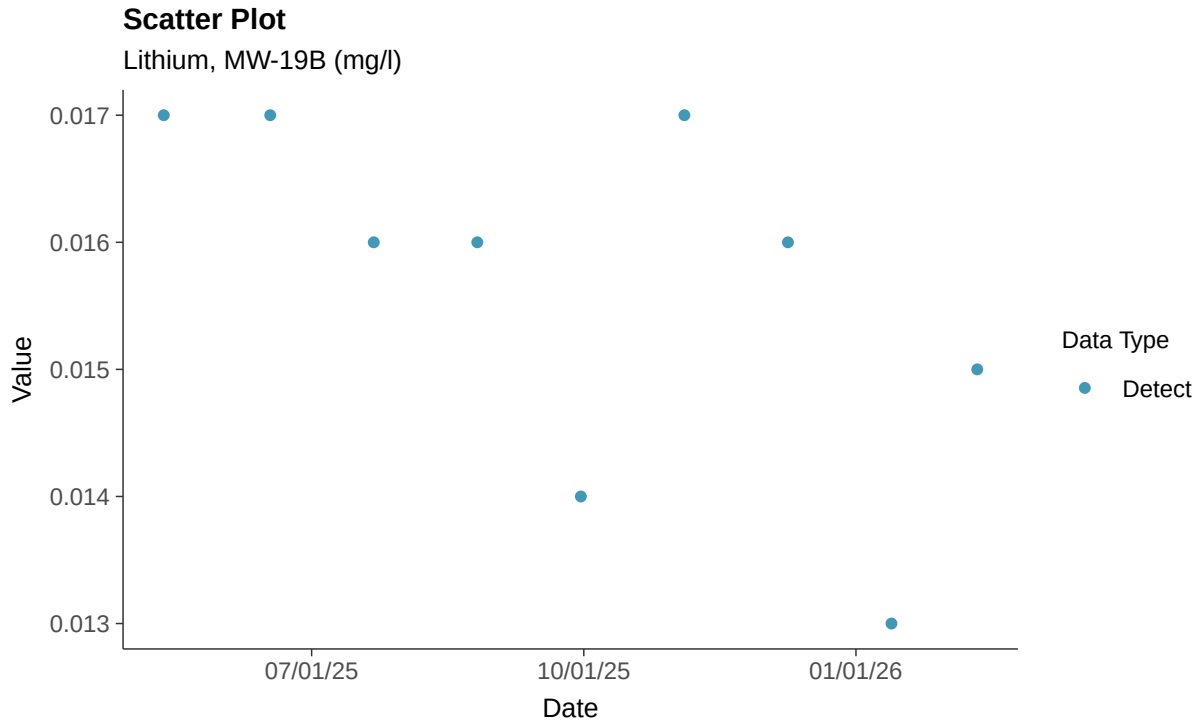
Boxplot by Season

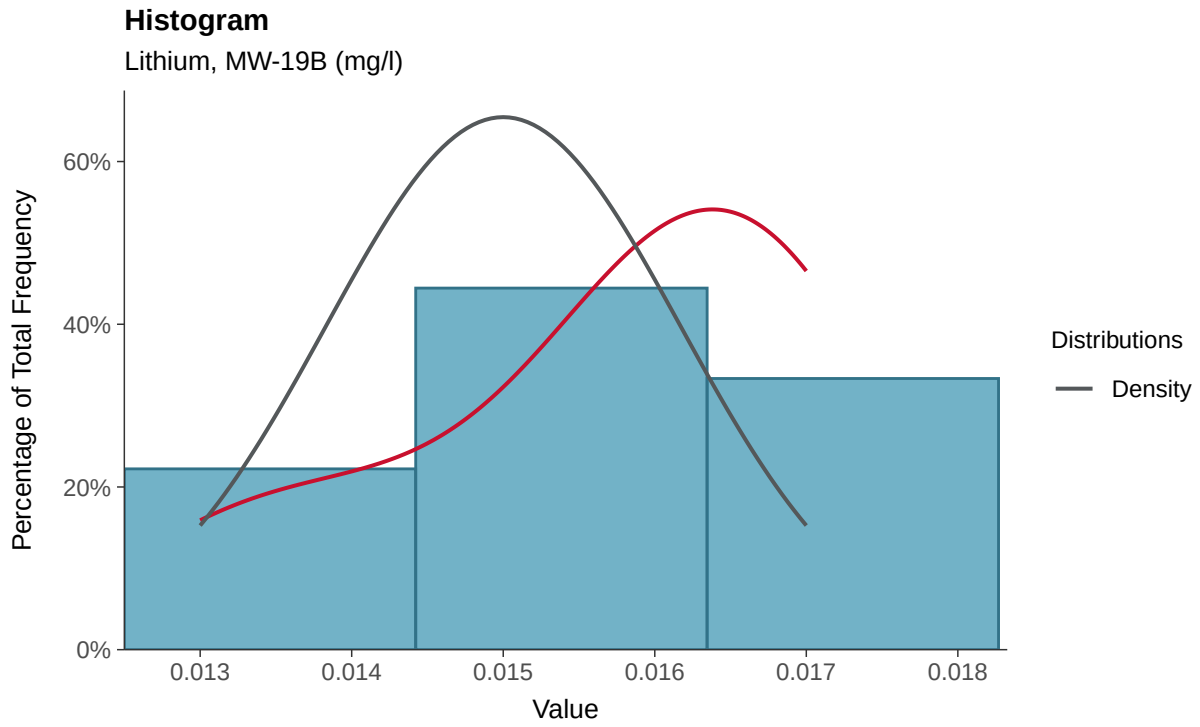
Lead, MW-19B (mg/l)



Appendix IV: Lithium, MW-19B

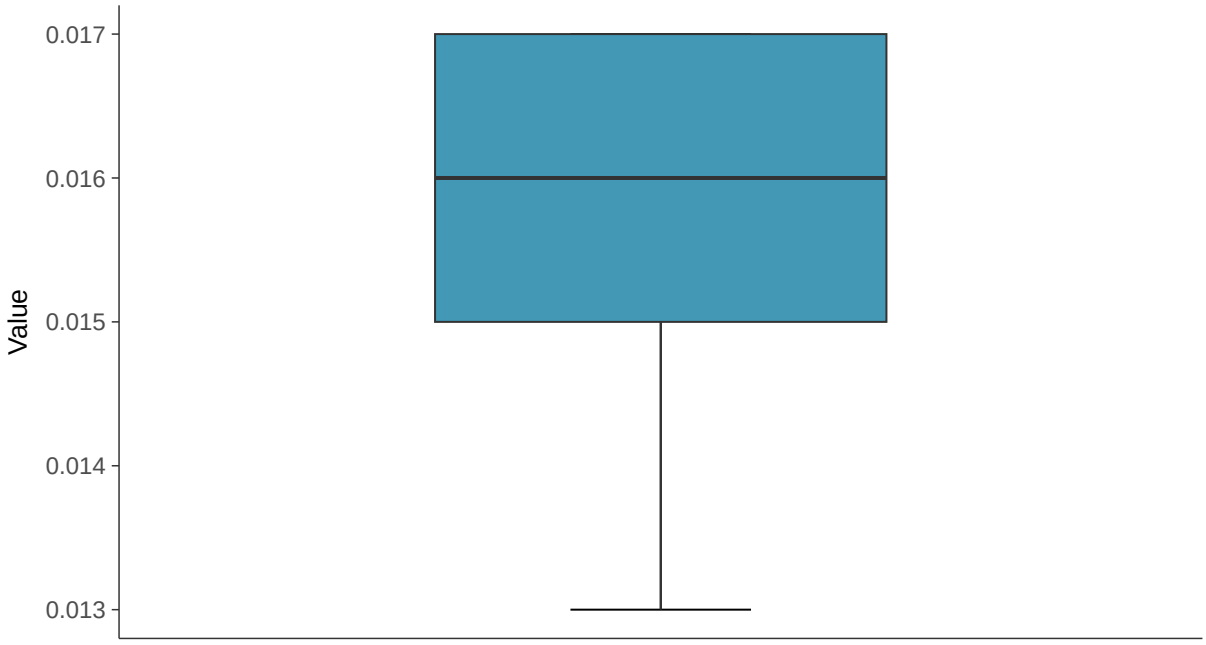
ID: 31_3_116





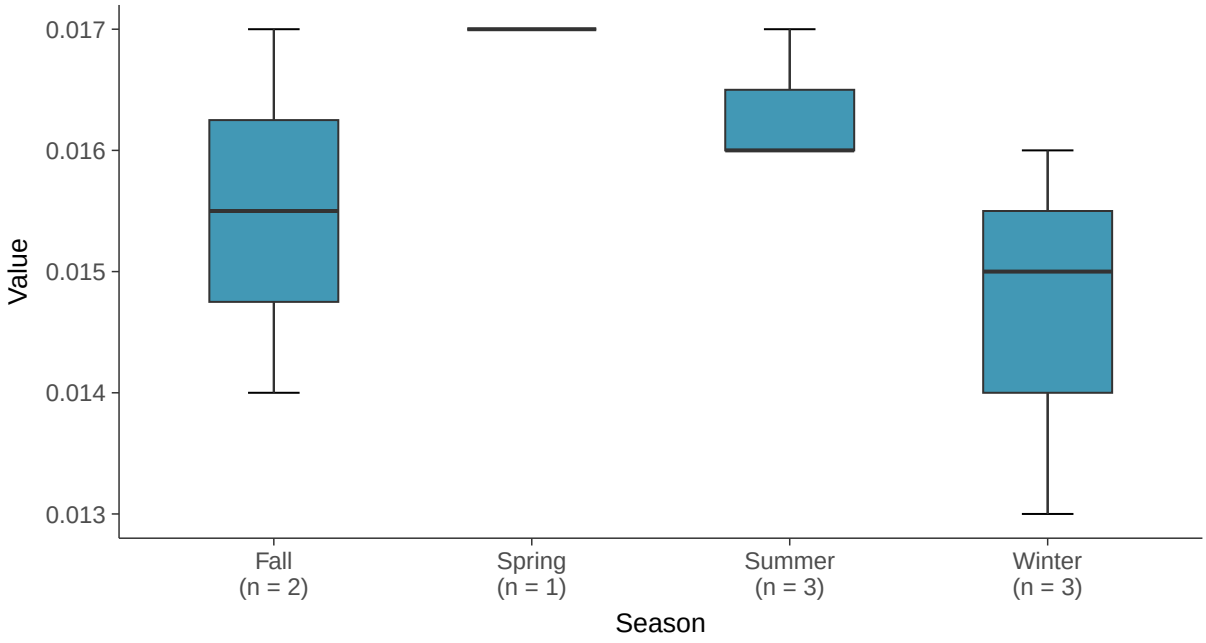
Boxplot

Lithium, MW-19B (mg/l)



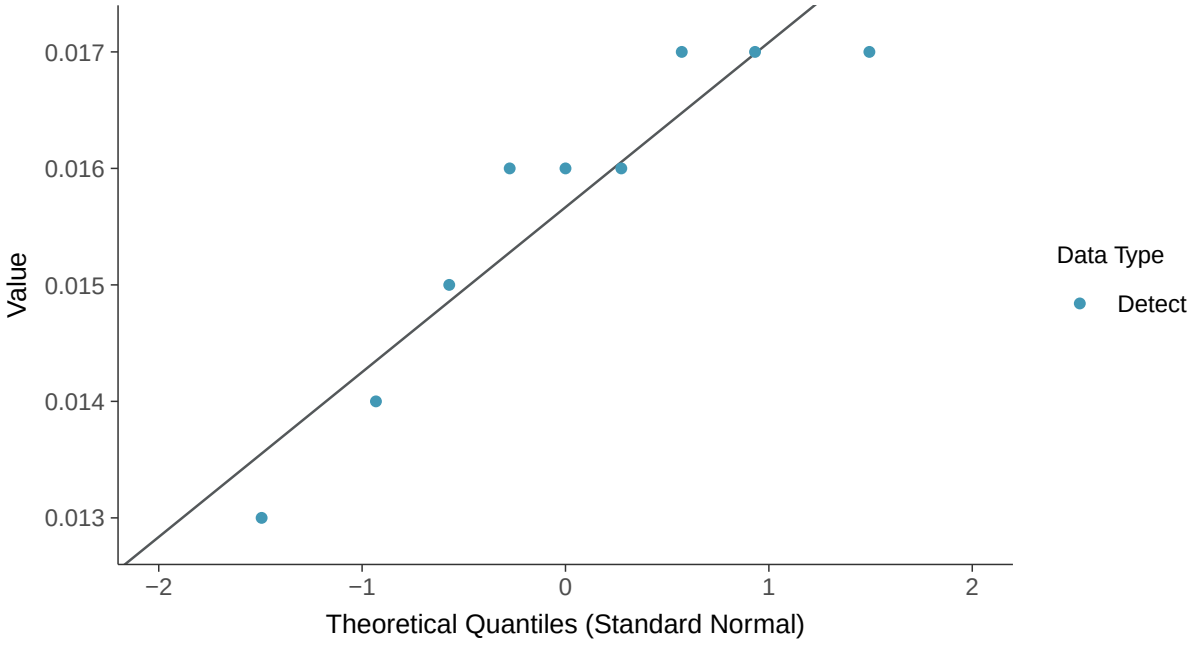
Boxplot by Season

Lithium, MW-19B (mg/l)



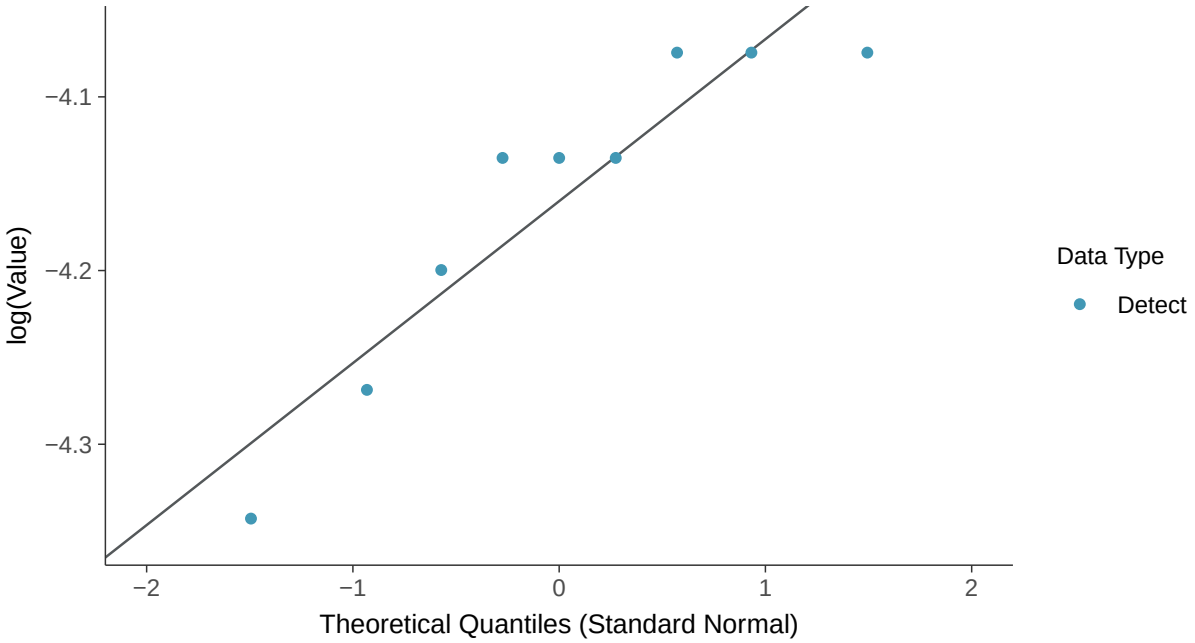
Normal Q-Q plot

Lithium, MW-19B (mg/l)



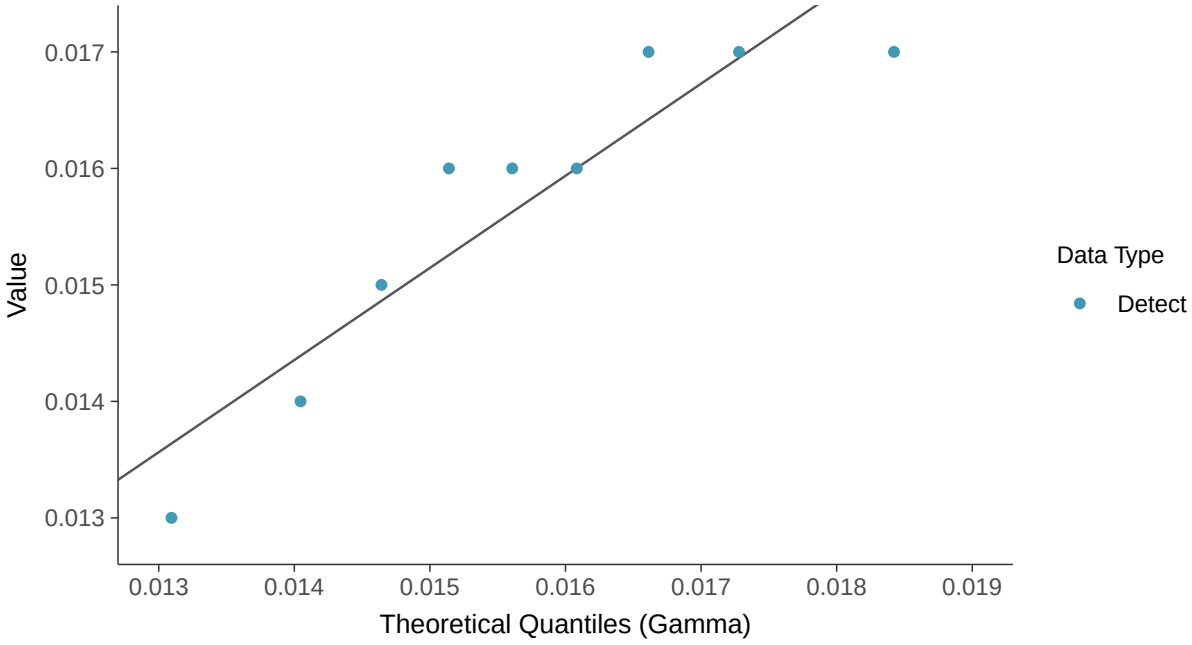
Lognormal Q-Q plot

Lithium, MW-19B (mg/l)



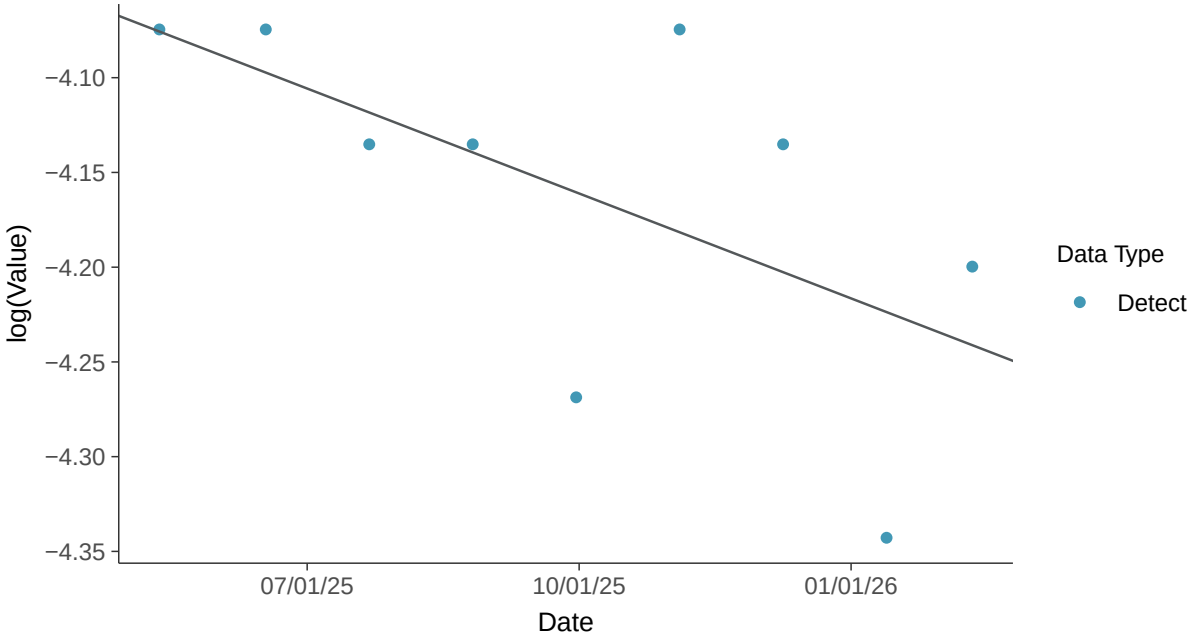
Gamma Q-Q plot

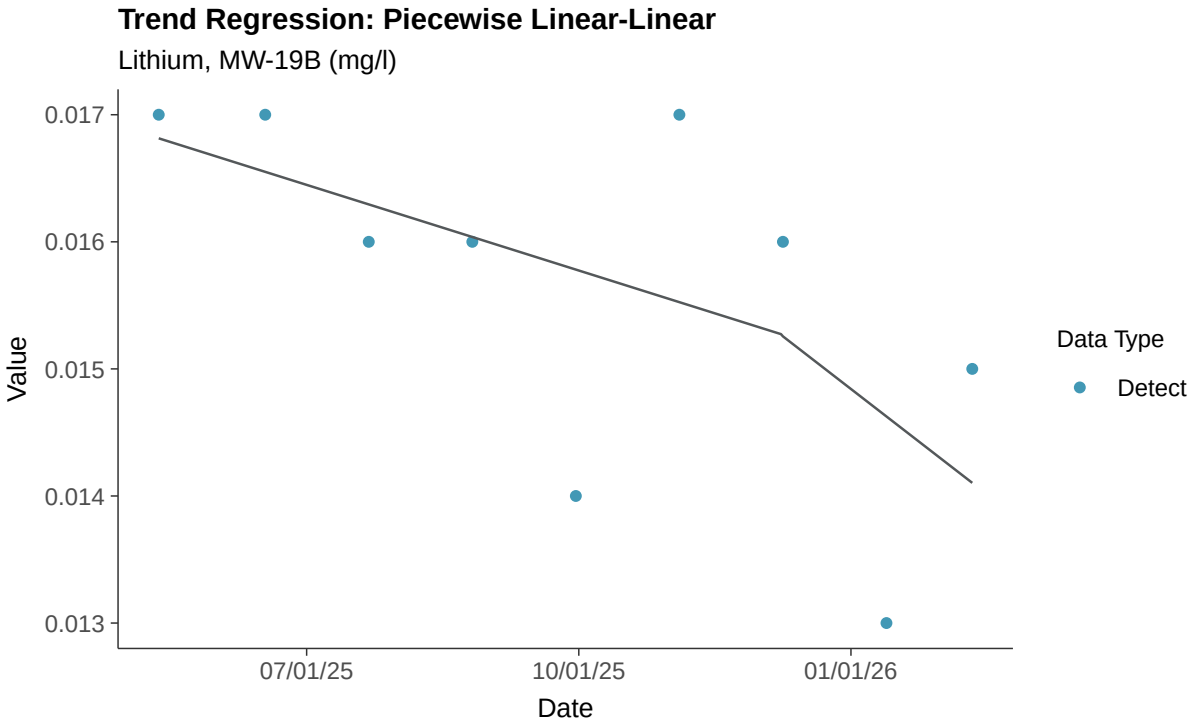
Lithium, MW-19B (mg/l)



Trend Regression: Lognormal MLE

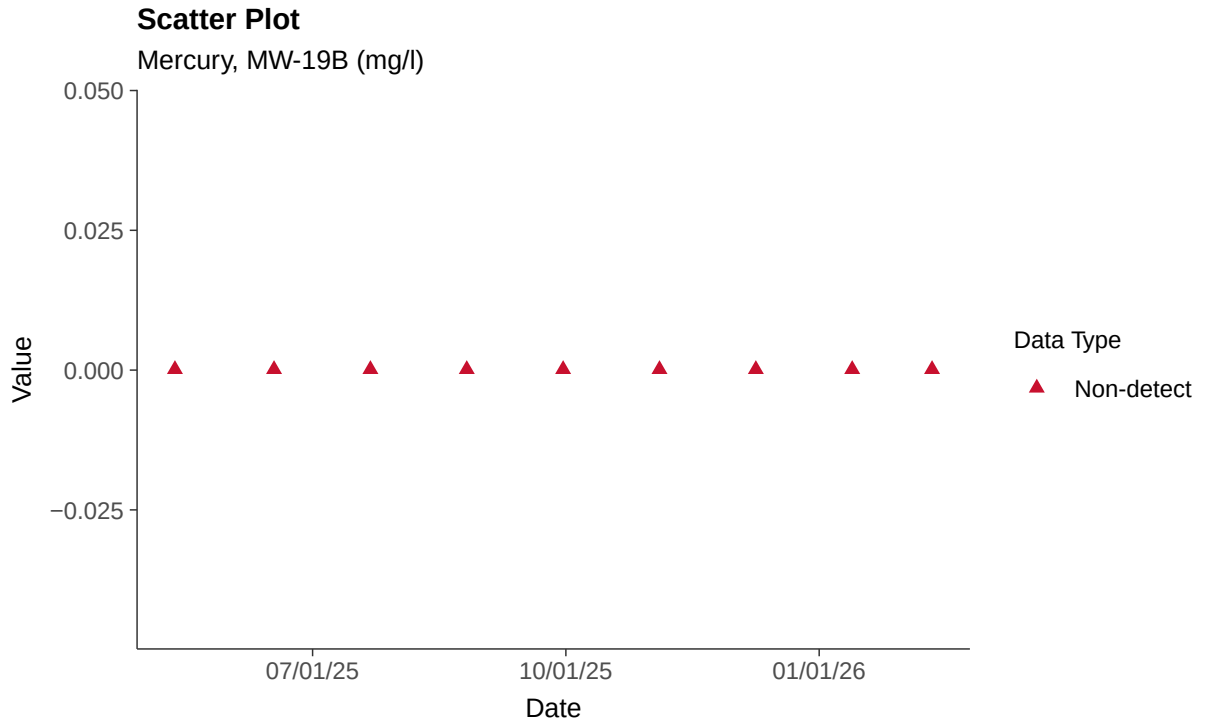
Lithium, MW-19B (mg/l)

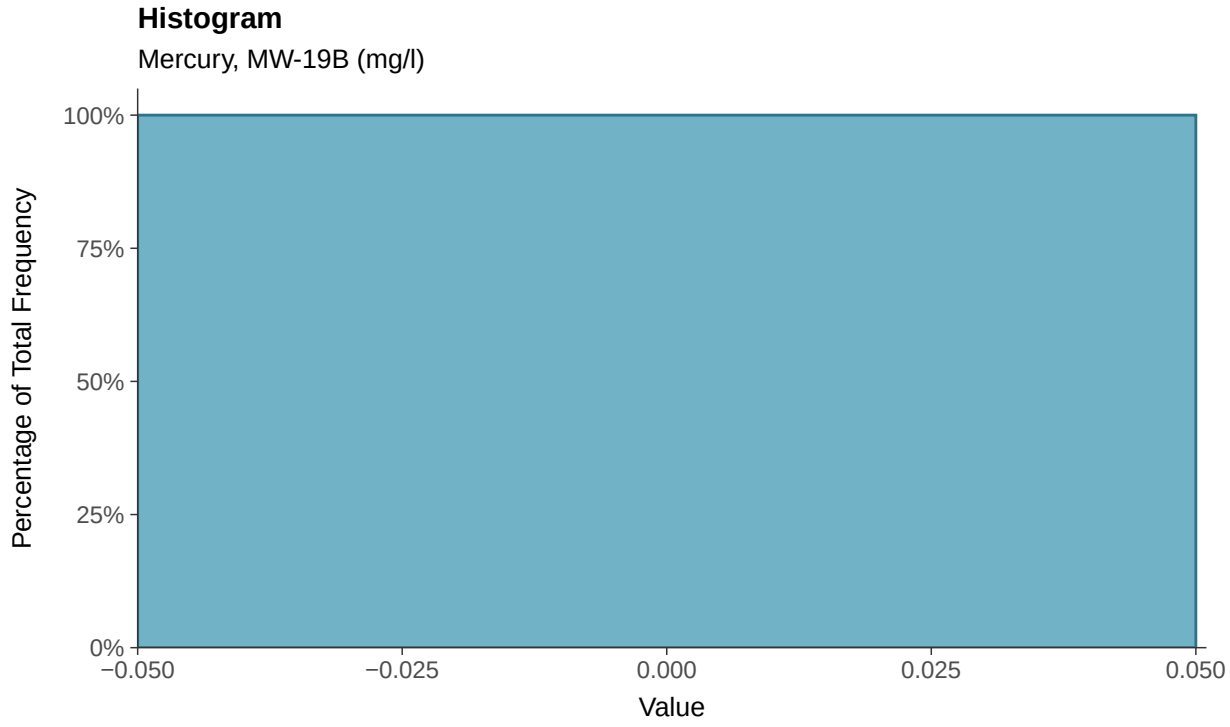



Trend Regression: Piecewise Linear-Linear
Lithium, MW-19B (mg/l)
0.017
0.016
0.015
0.014
0.013
Value
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Mercury, MW-19B

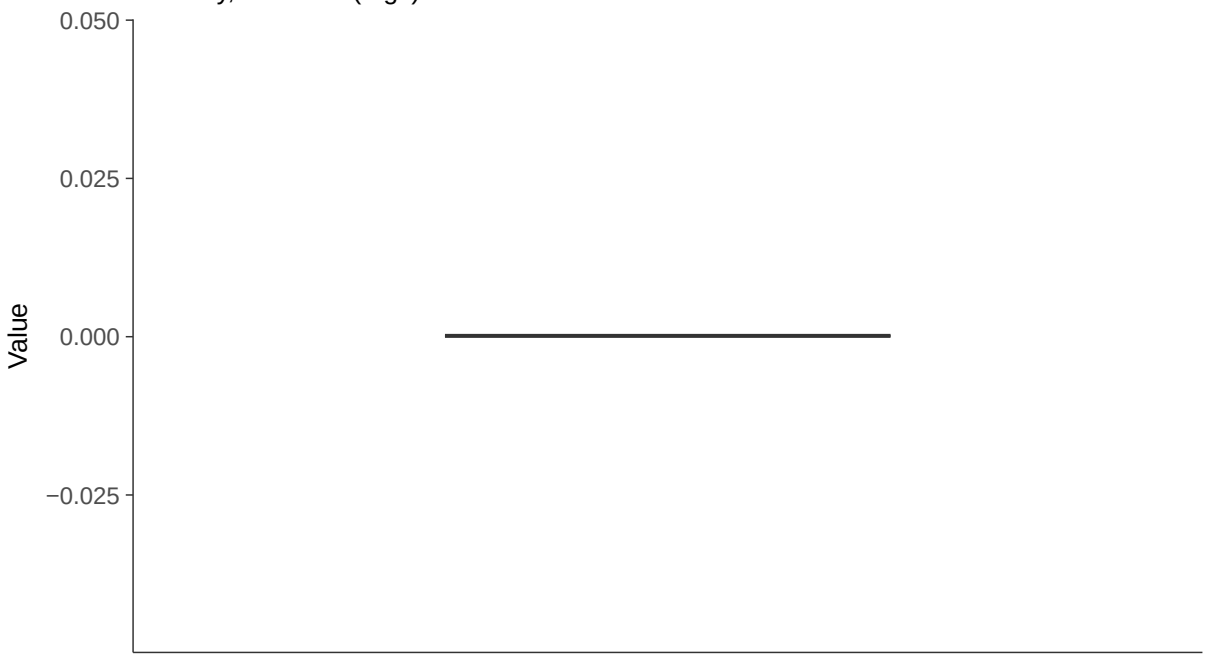
ID: 31_3_117





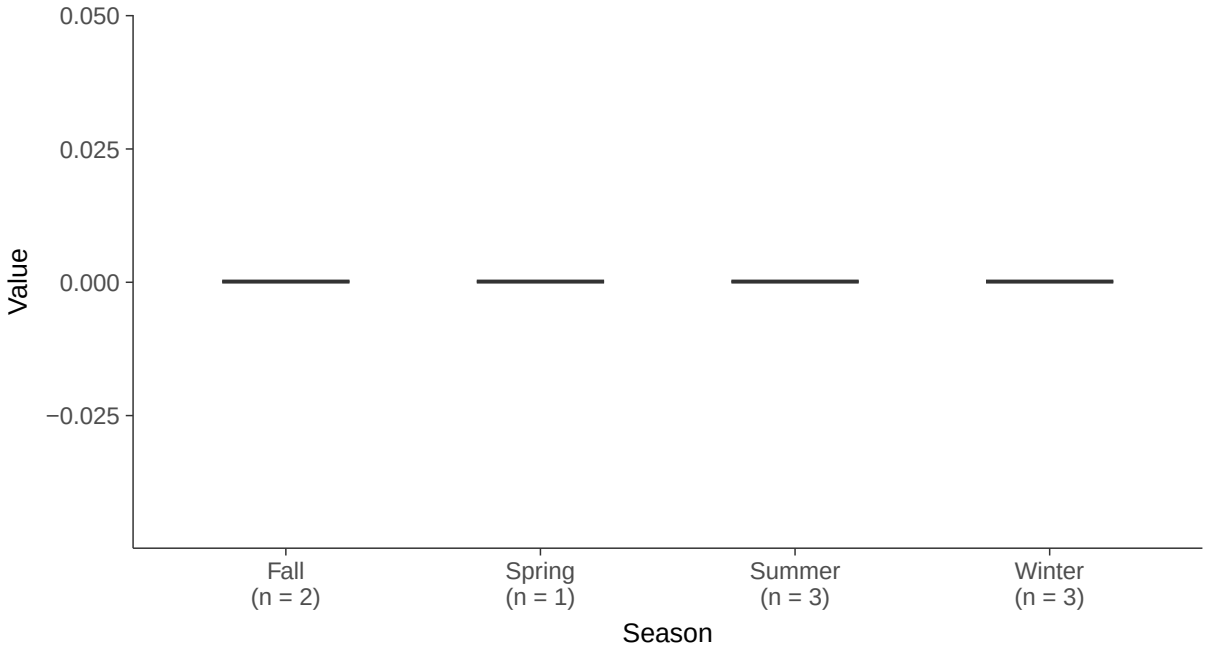
Boxplot

Mercury, MW-19B (mg/l)



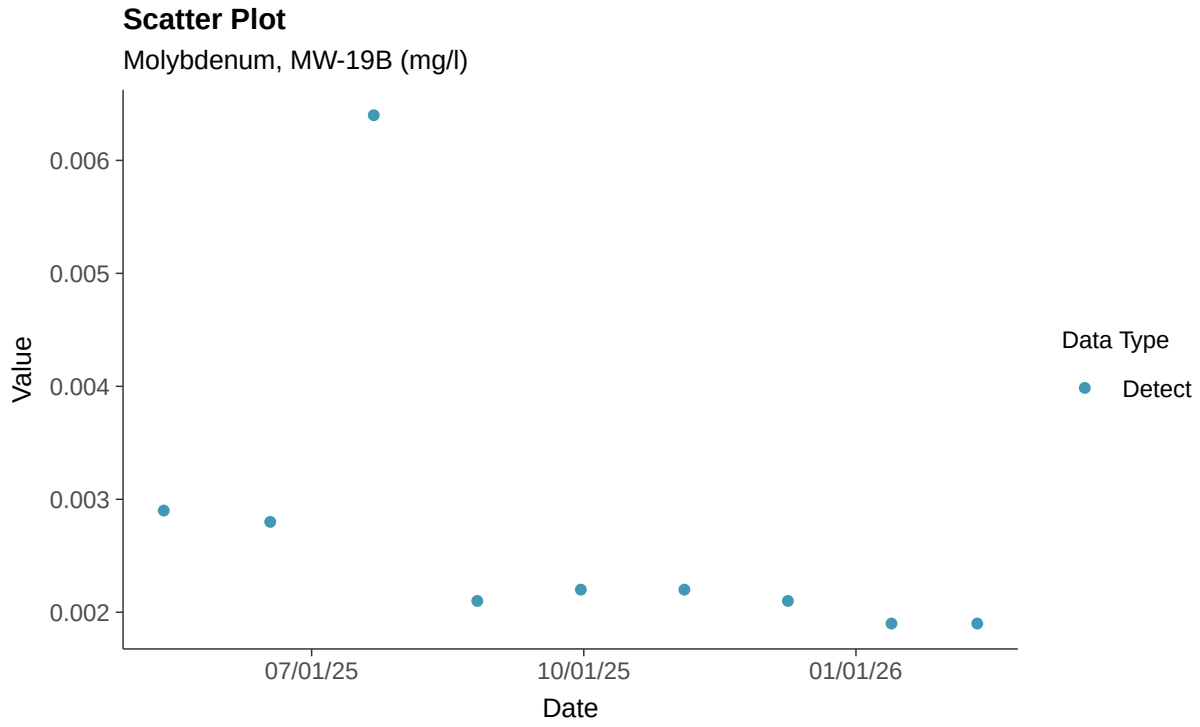
Boxplot by Season

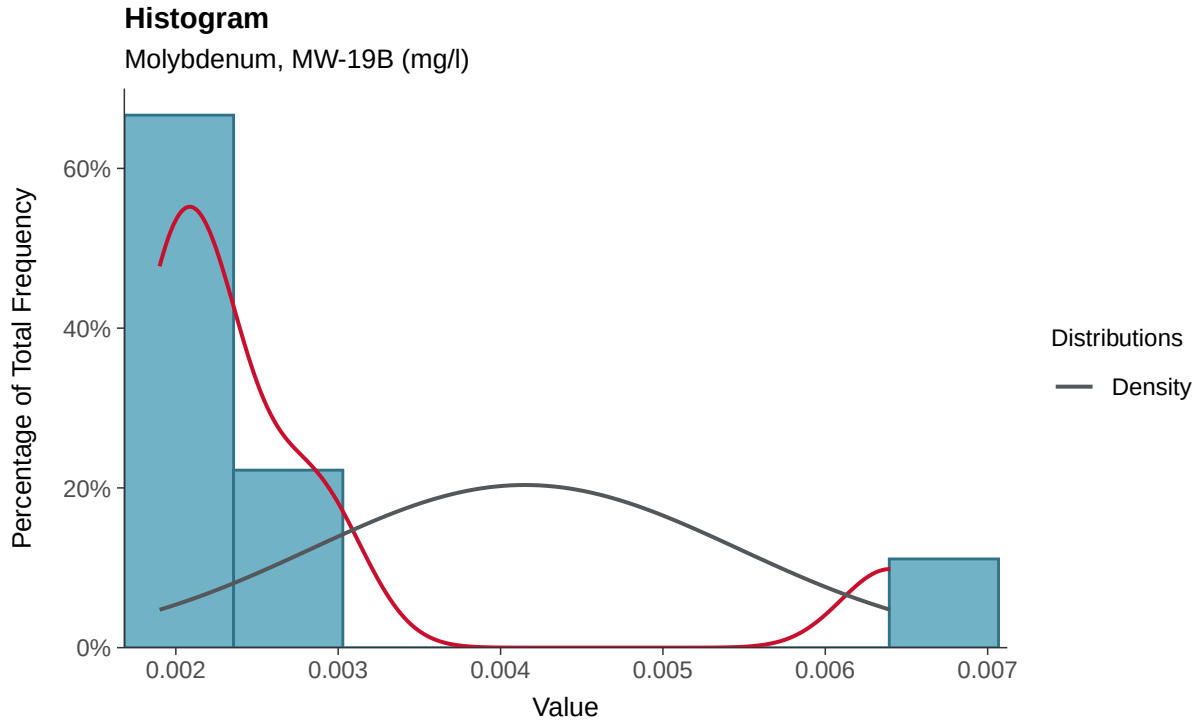
Mercury, MW-19B (mg/l)



Appendix IV: Molybdenum, MW-19B

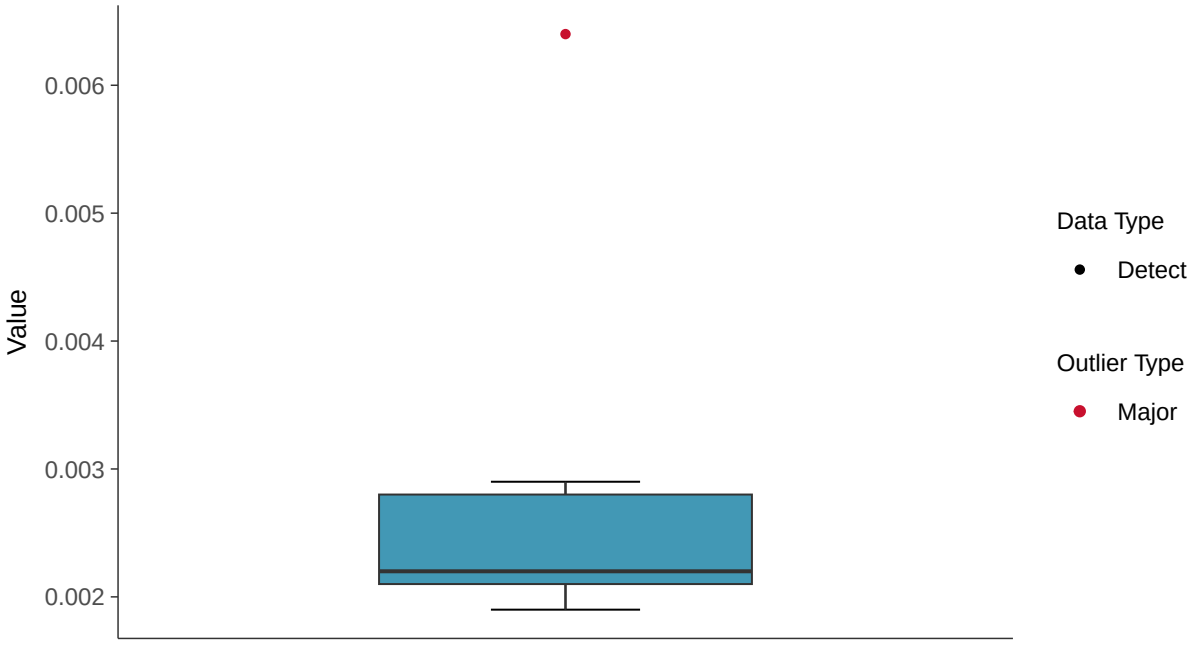
ID: 31_3_118





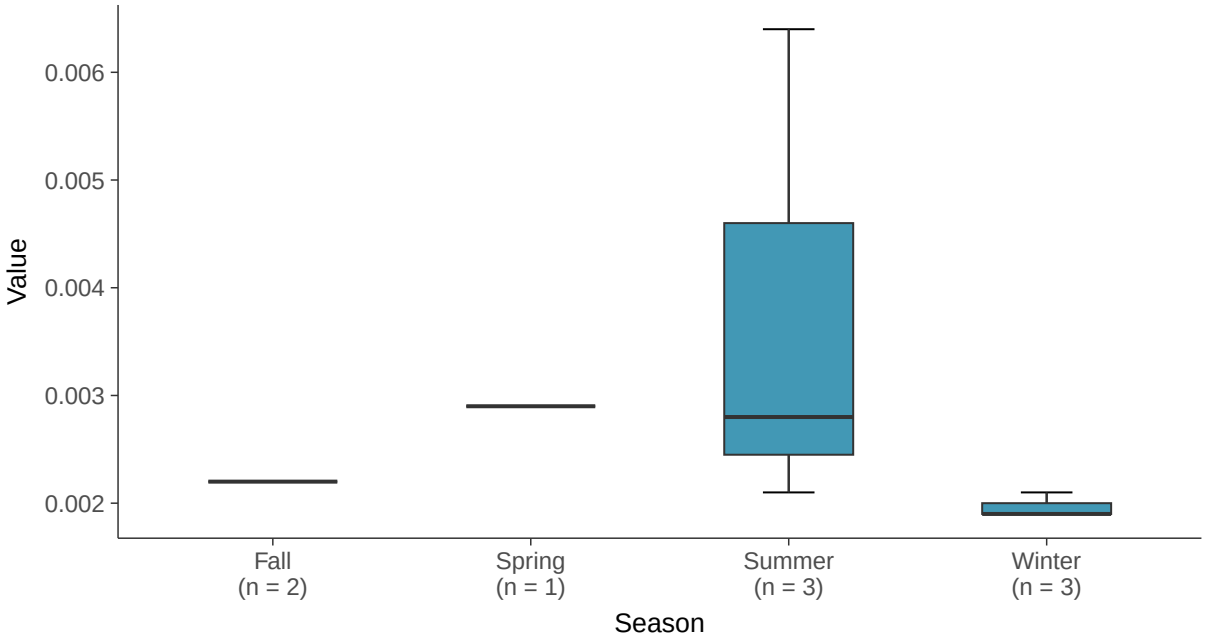
Boxplot

Molybdenum, MW-19B (mg/l)



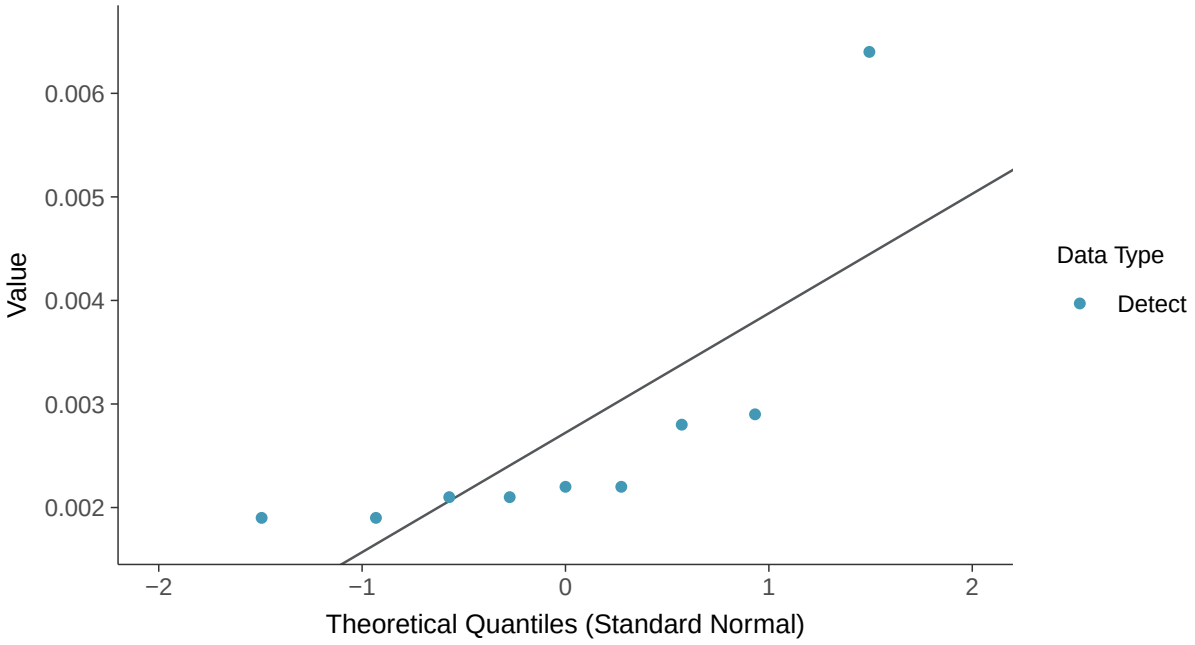
Boxplot by Season

Molybdenum, MW-19B (mg/l)



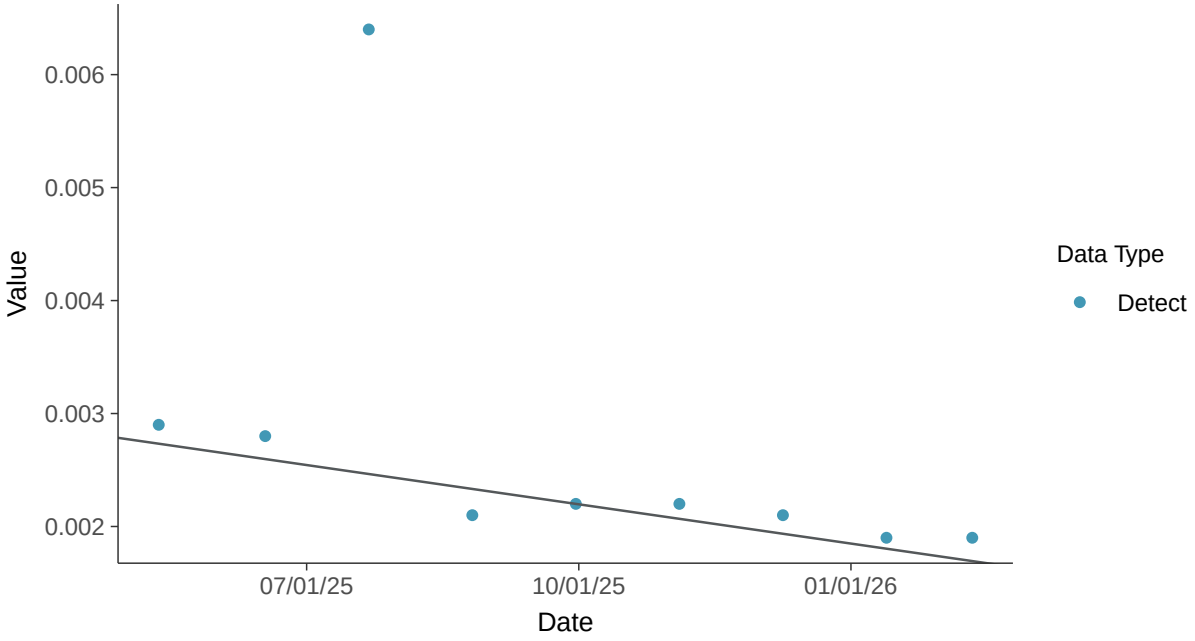
Normal Q-Q plot

Molybdenum, MW-19B (mg/l)



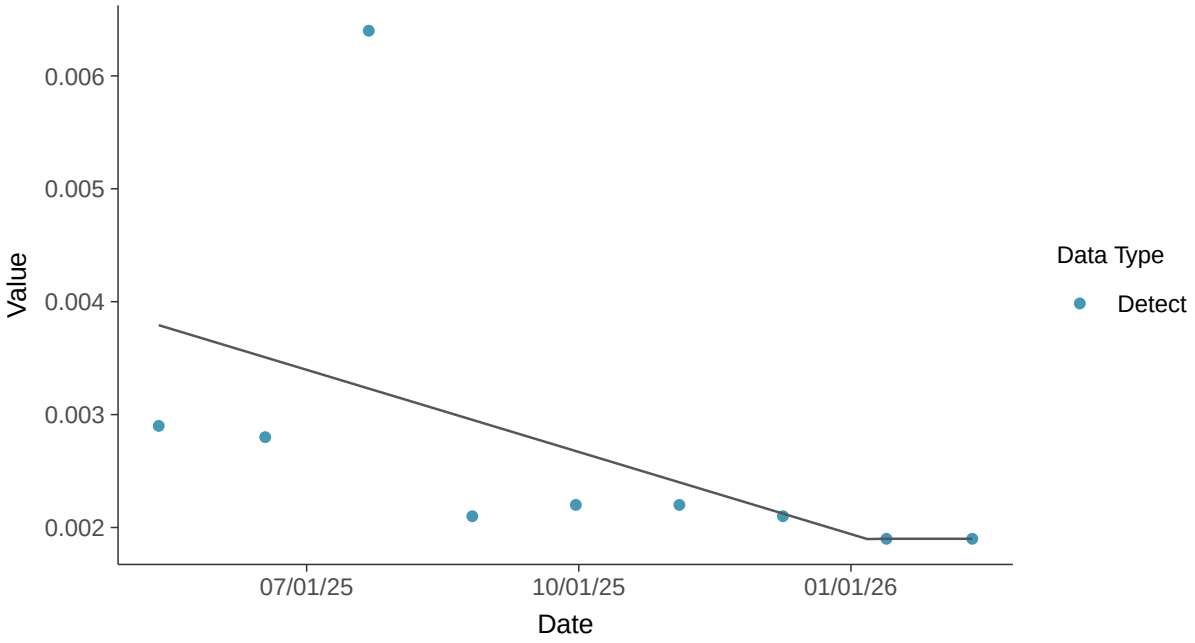
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Molybdenum, MW-19B (mg/l)



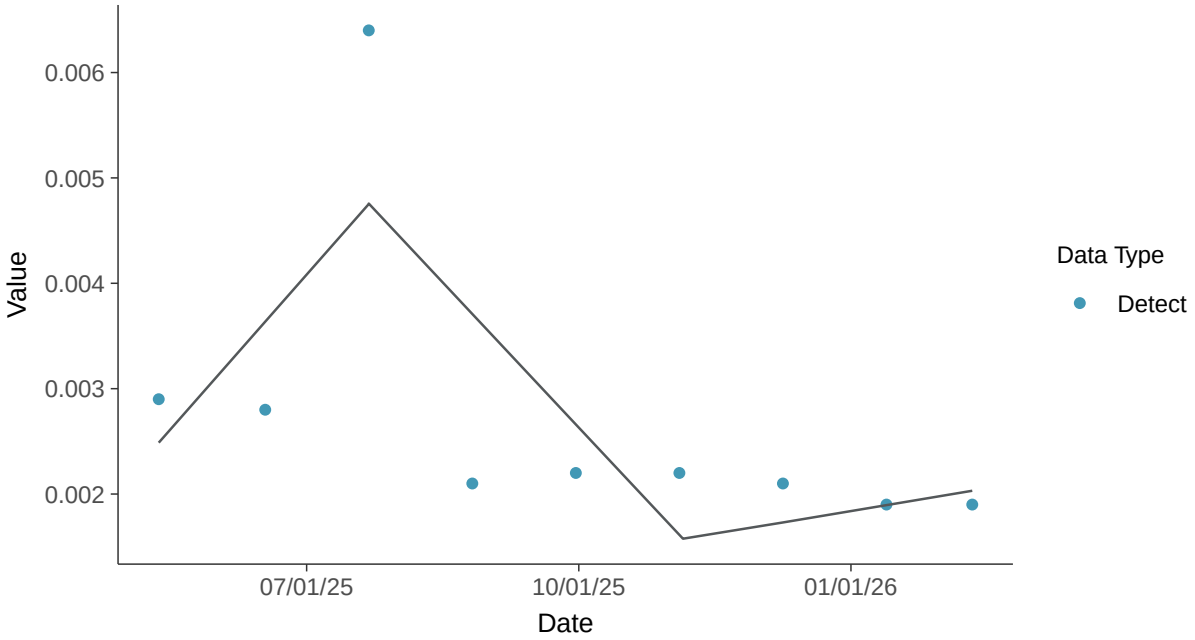
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-19B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-19B (mg/l)

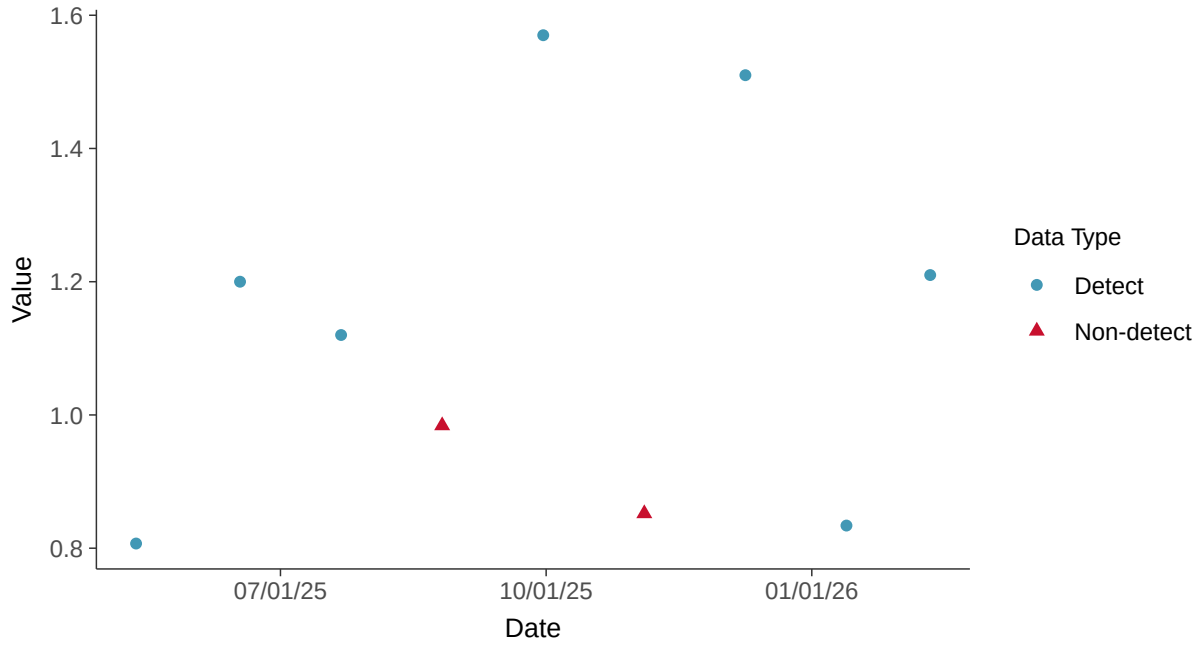


Appendix IV: Radium-226+228, MW-19B

ID: 31_3_121

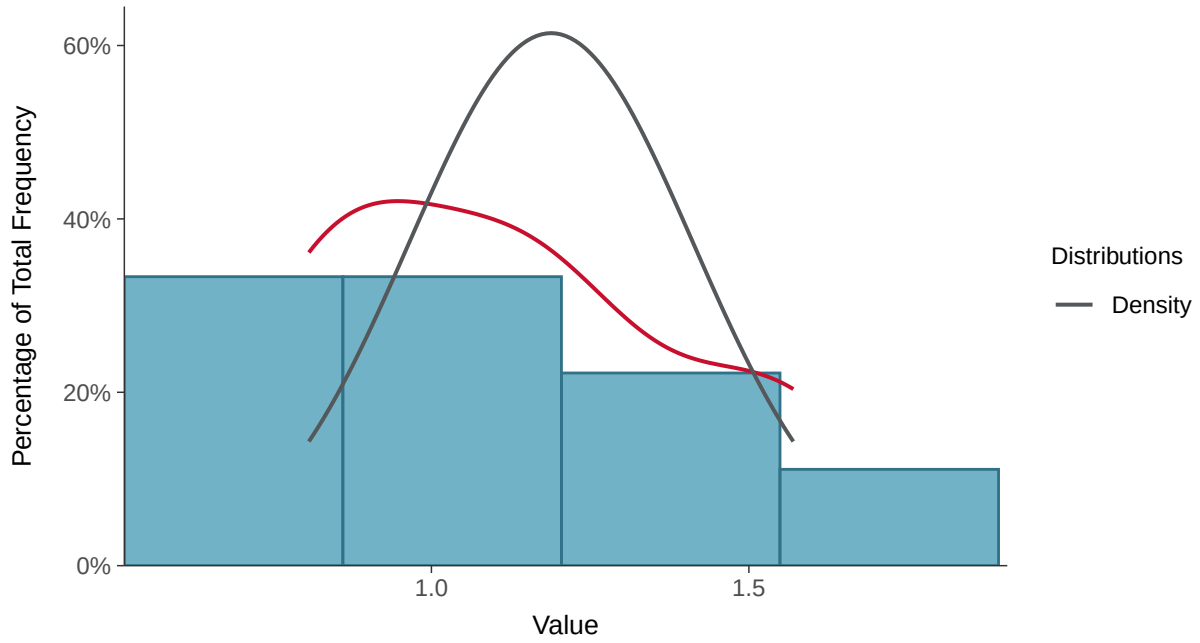
Scatter Plot

Radium-226+228, MW-19B (pci/l)



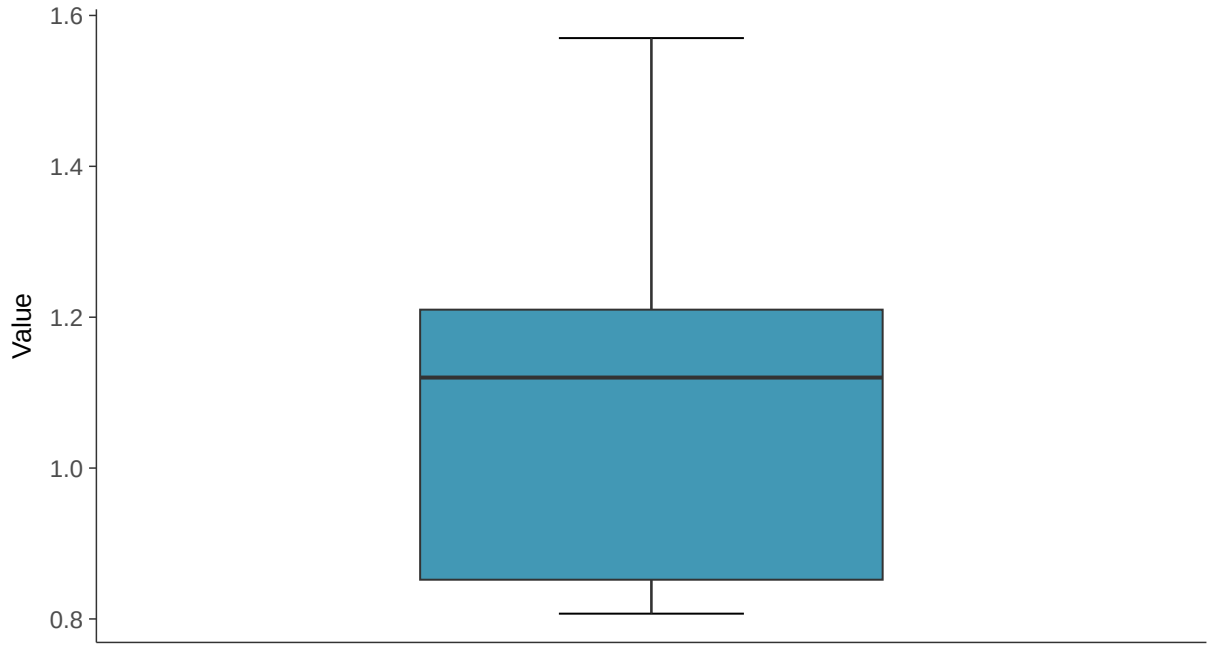
Histogram

Radium-226+228, MW-19B (pci/l)



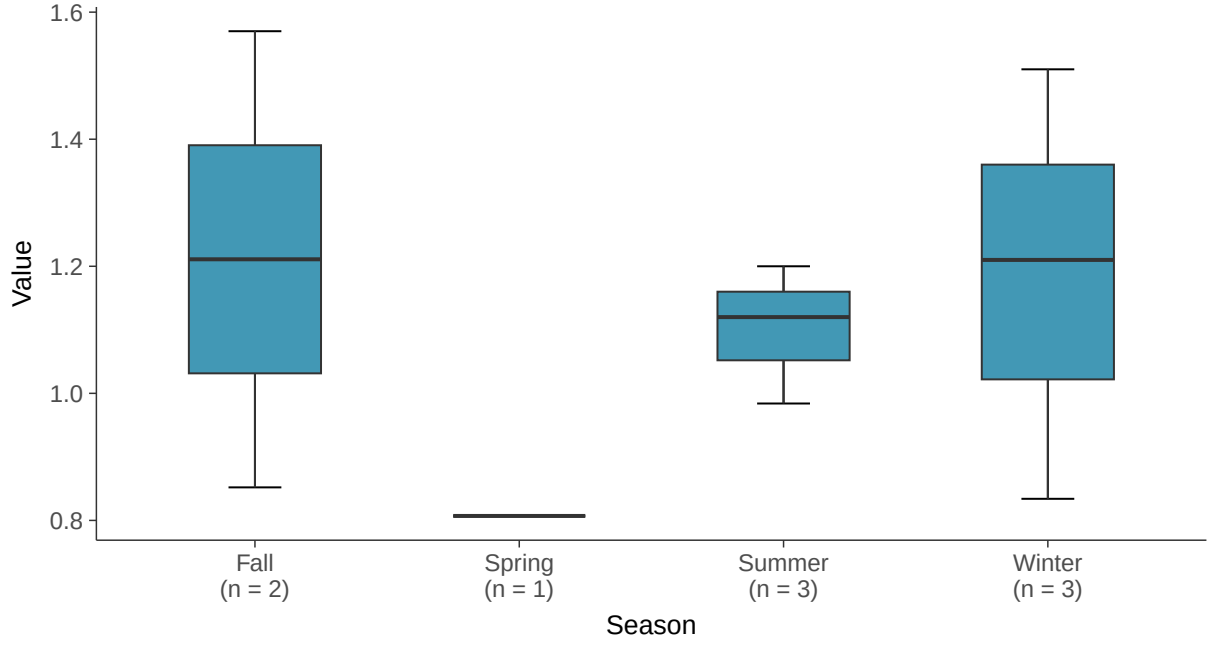
Boxplot

Radium-226+228, MW-19B (pci/l)



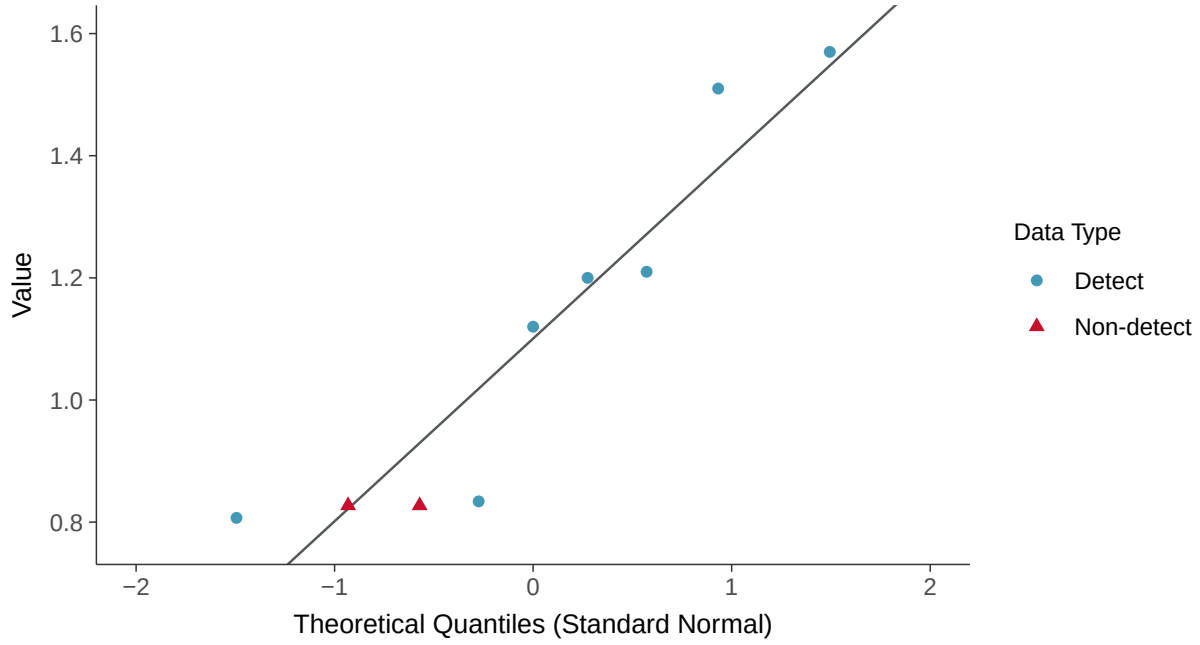
Boxplot by Season

Radium-226+228, MW-19B (pci/l)



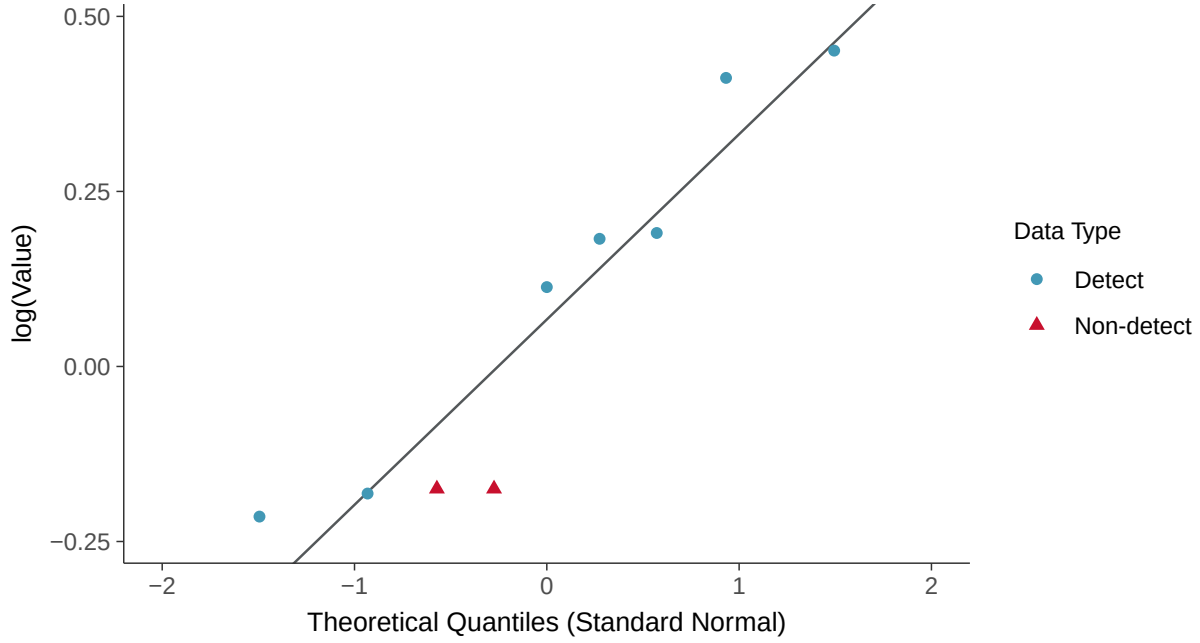
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-19B (pci/l)



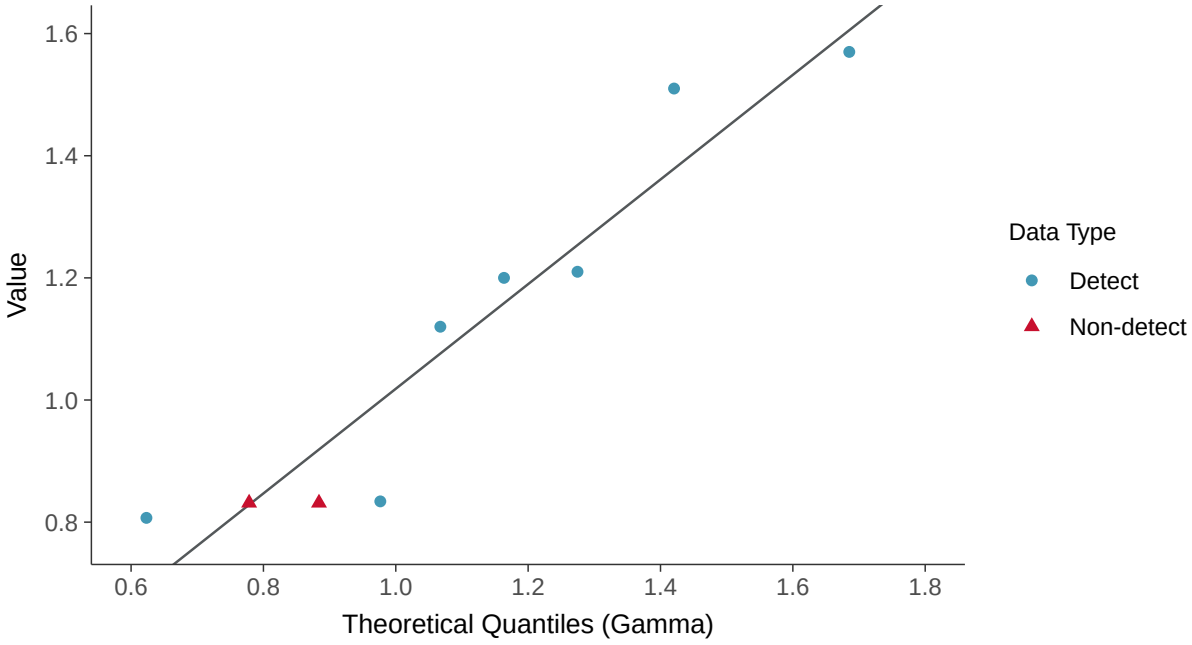
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-19B (pci/l)



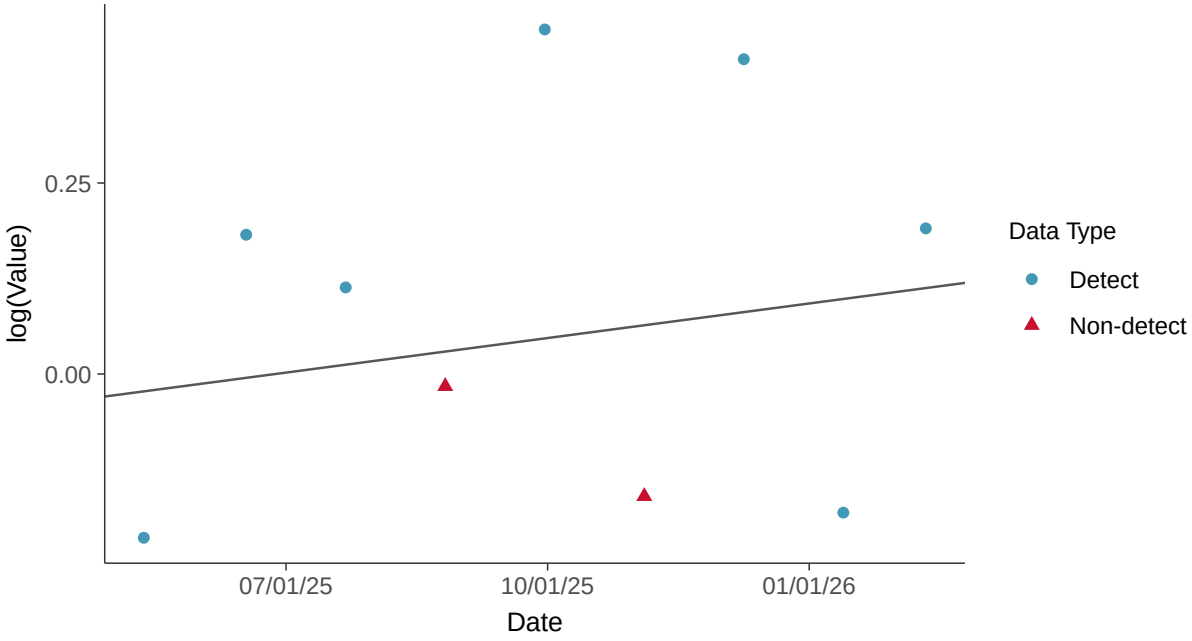
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-19B (pci/l)



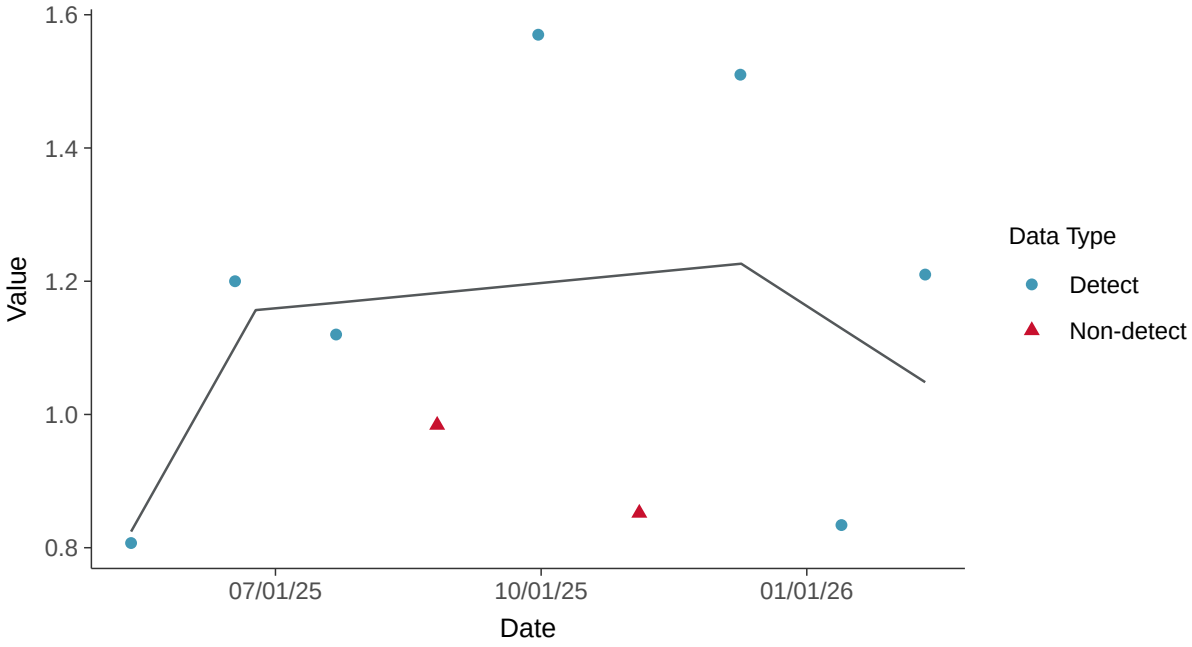
Trend Regression: Lognormal MLE

Radium-226+228, MW-19B (pci/l)



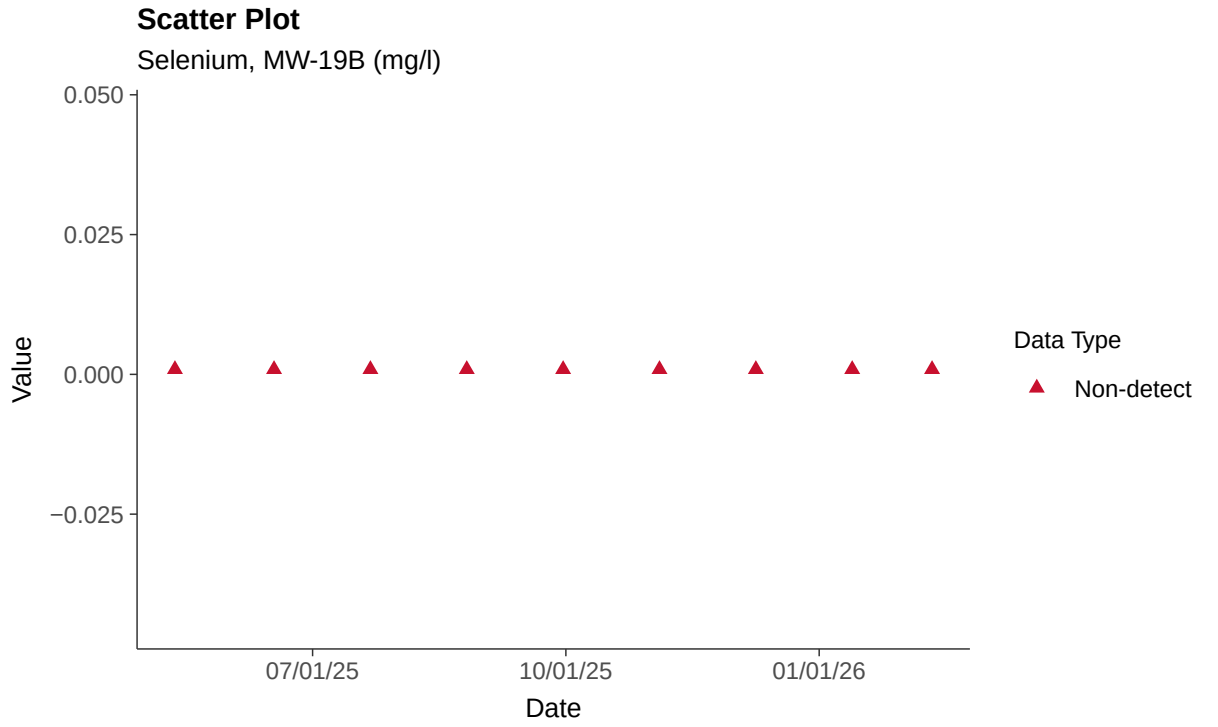
Trend Regression: Piecewise Linear-Linear-Linear

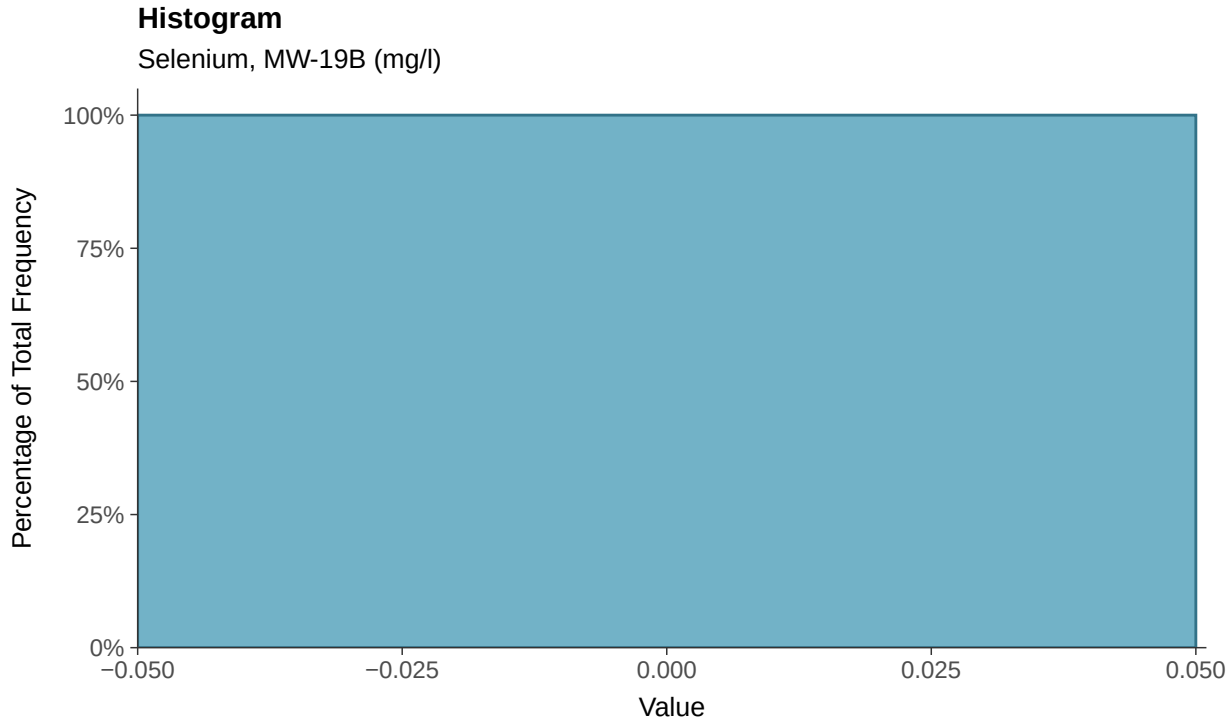
Radium-226+228, MW-19B (pci/l)



Appendix IV: Selenium, MW-19B

ID: 31_3_122



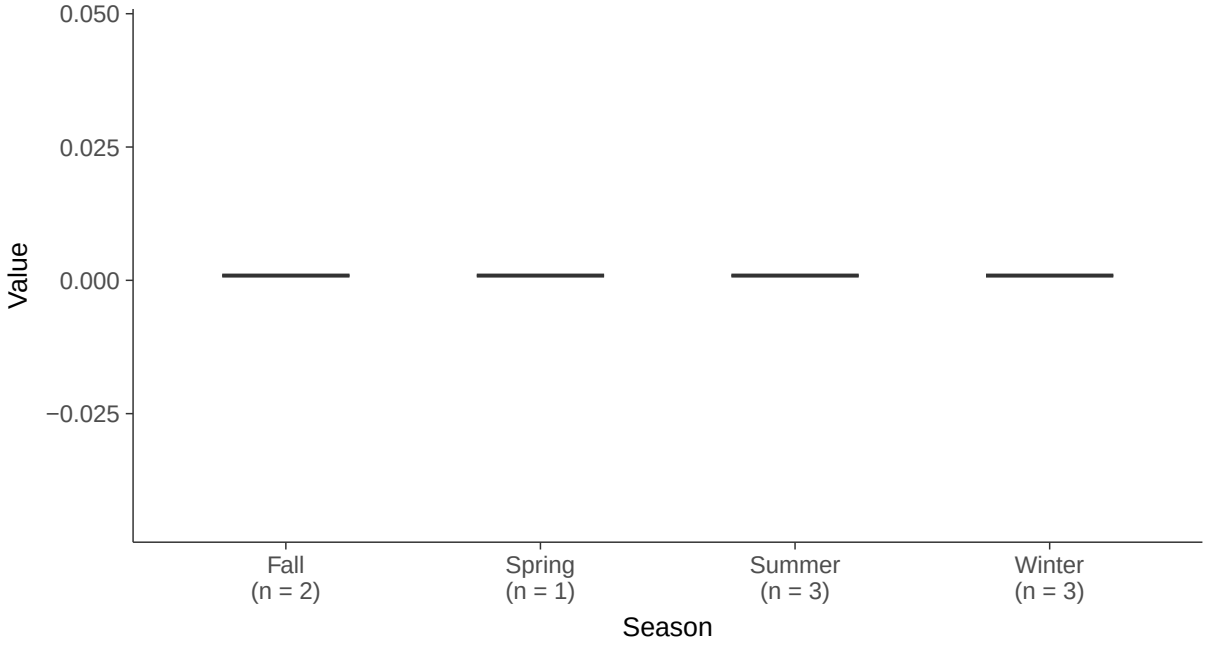


Boxplot

Selenium, MW-19B (mg/l)

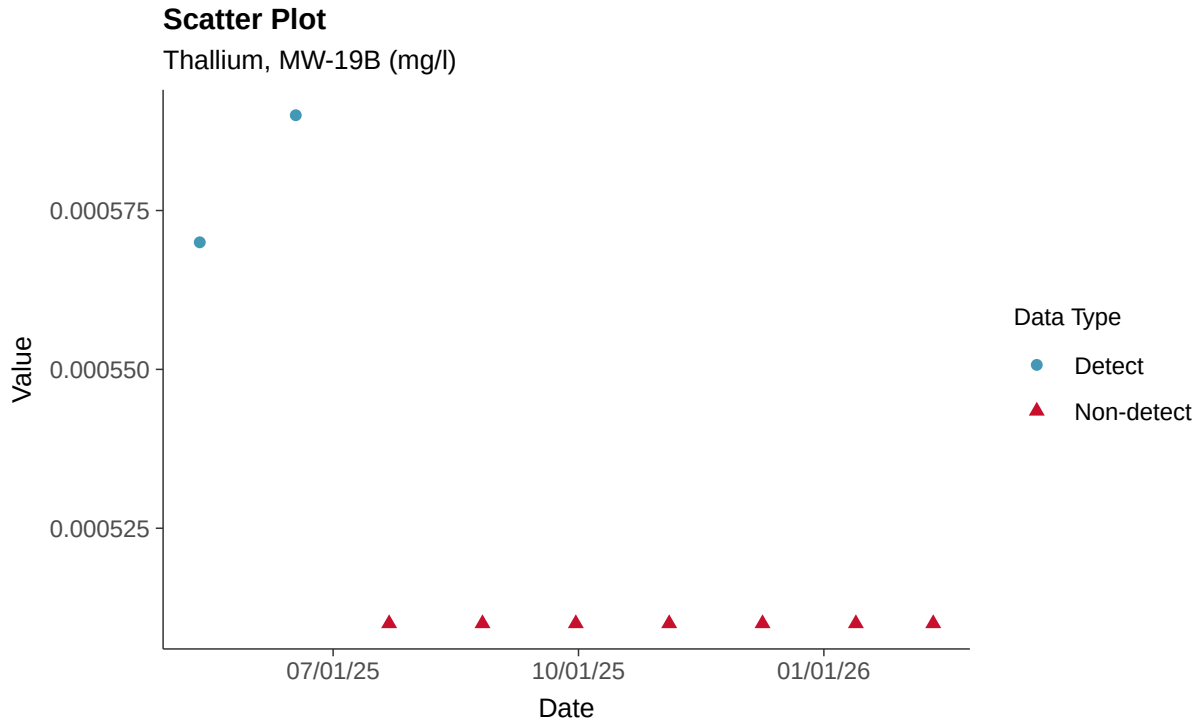
Boxplot by Season

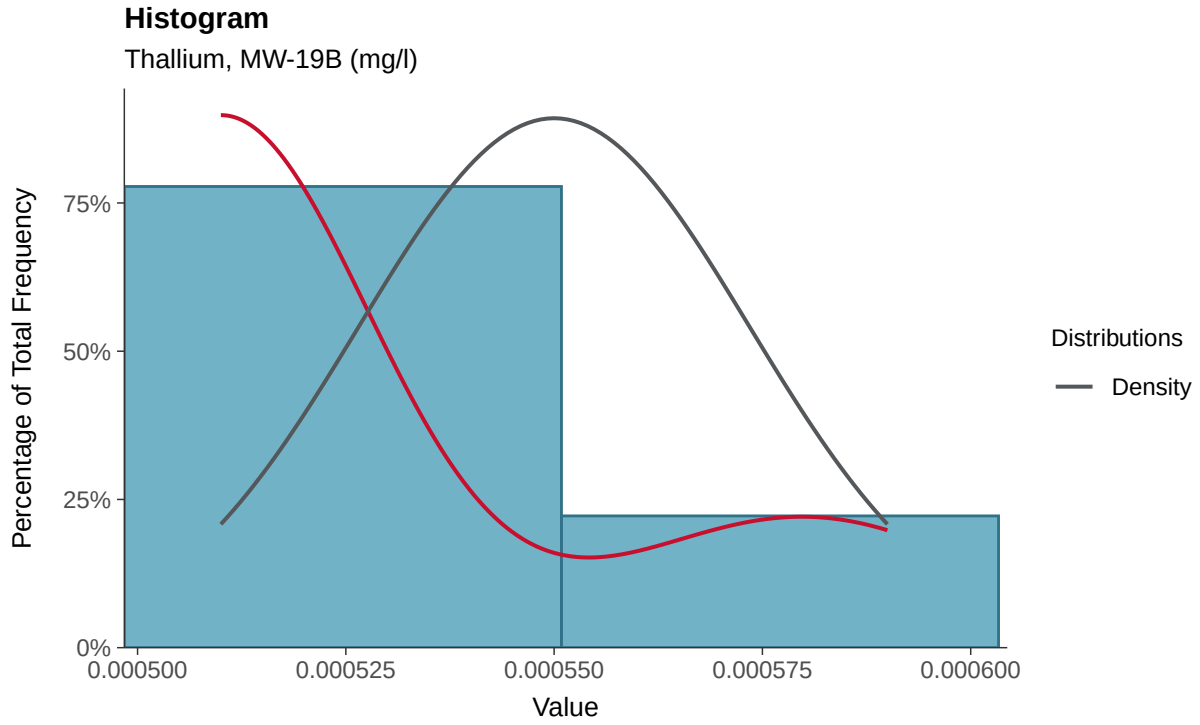
Selenium, MW-19B (mg/l)



Appendix IV: Thallium, MW-19B

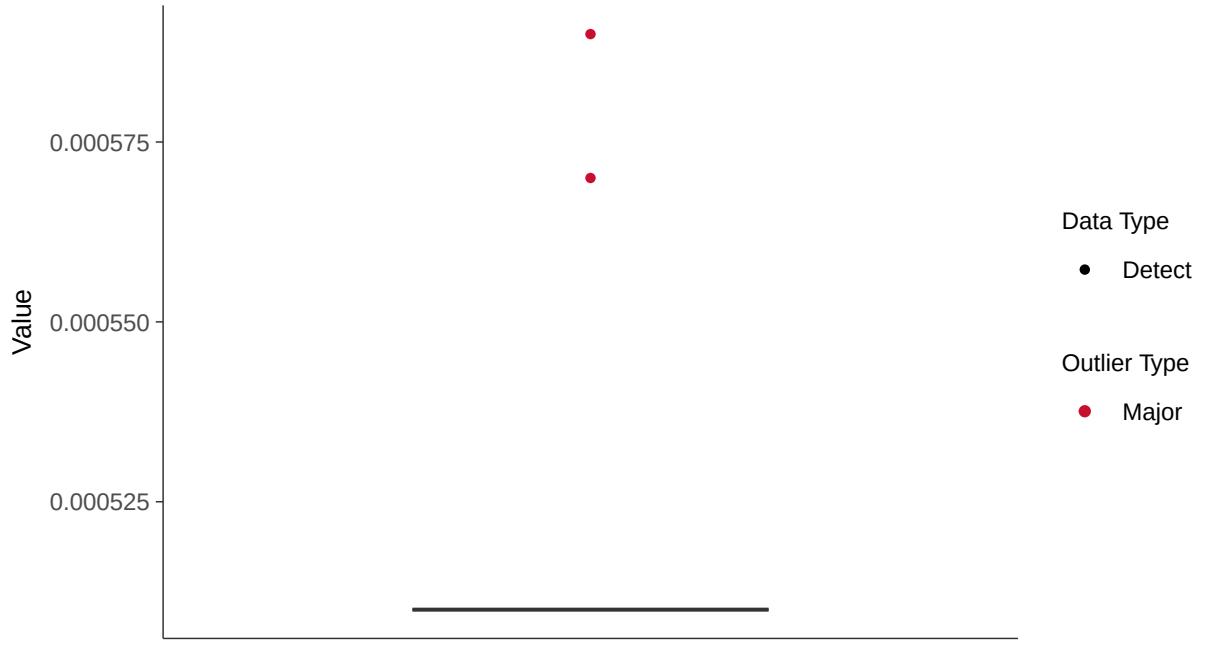
ID: 31_3_125





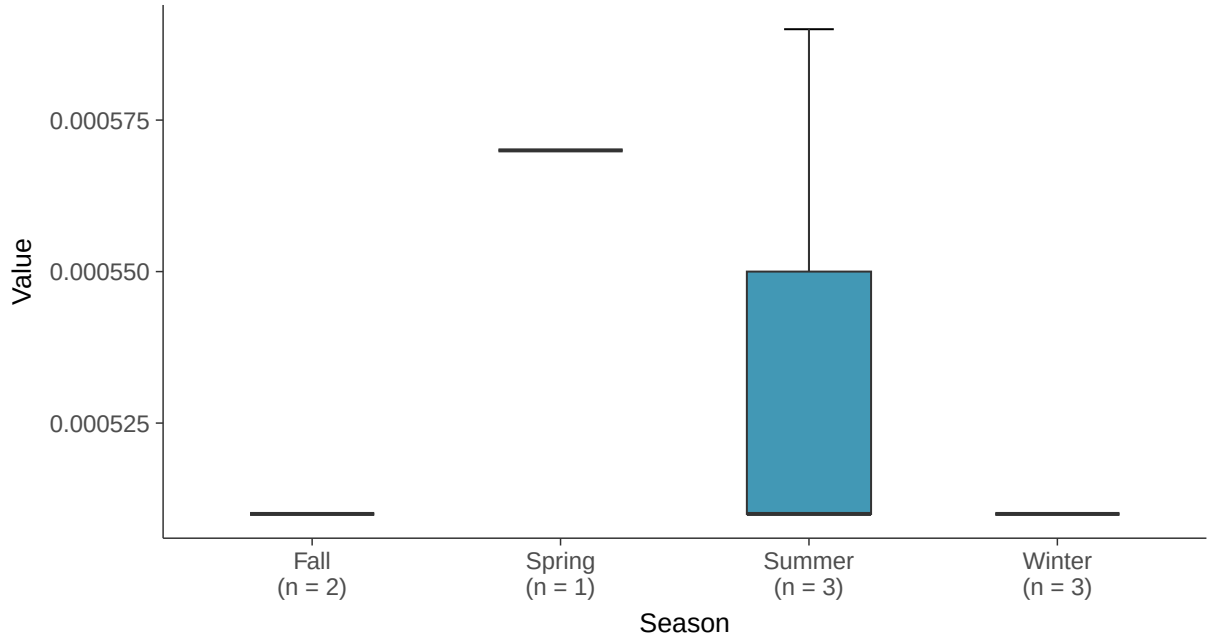
Boxplot

Thallium, MW-19B (mg/l)



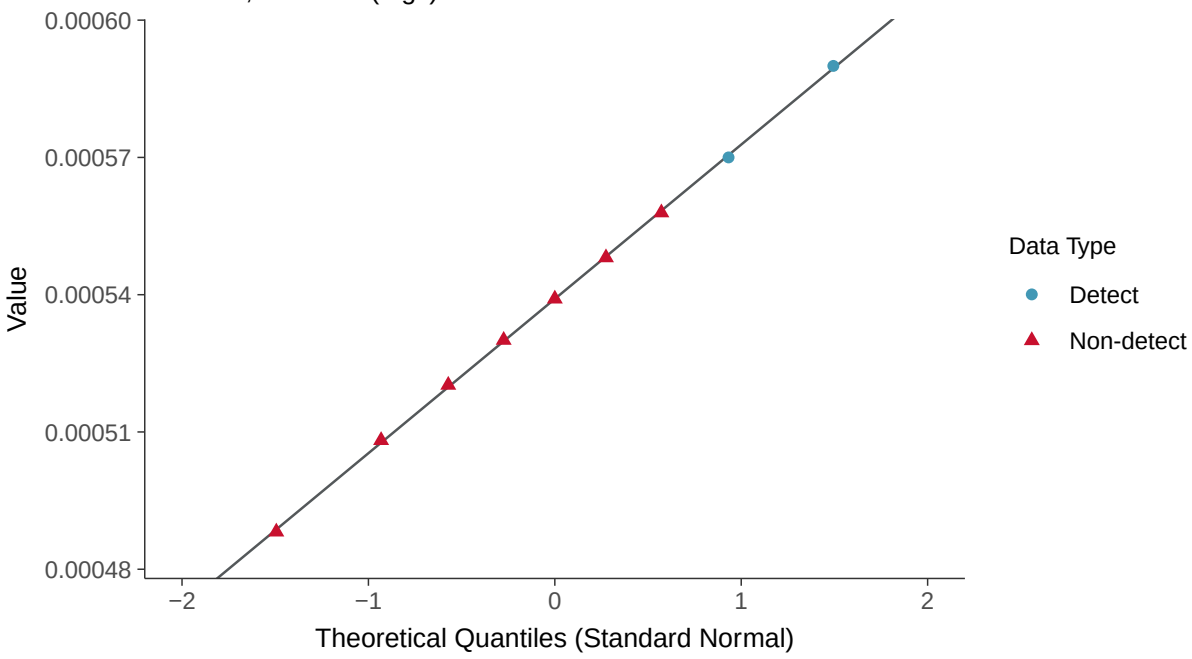
Boxplot by Season

Thallium, MW-19B (mg/l)



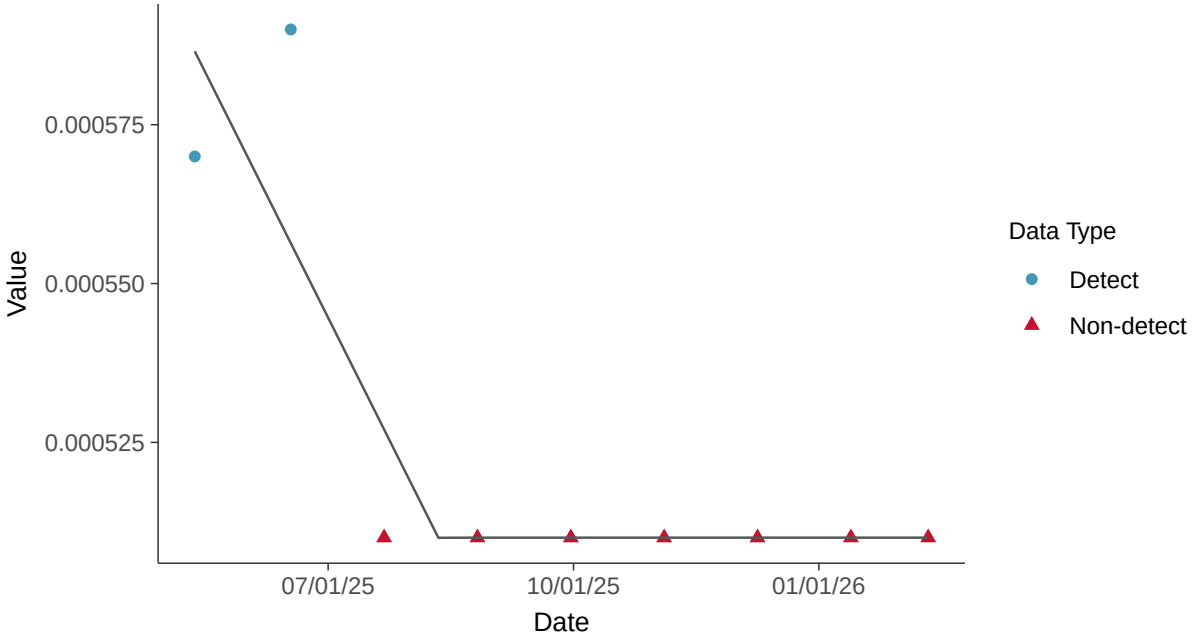
Normal Q-Q plot using ROS Imputed Estimates

Thallium, MW-19B (mg/l)



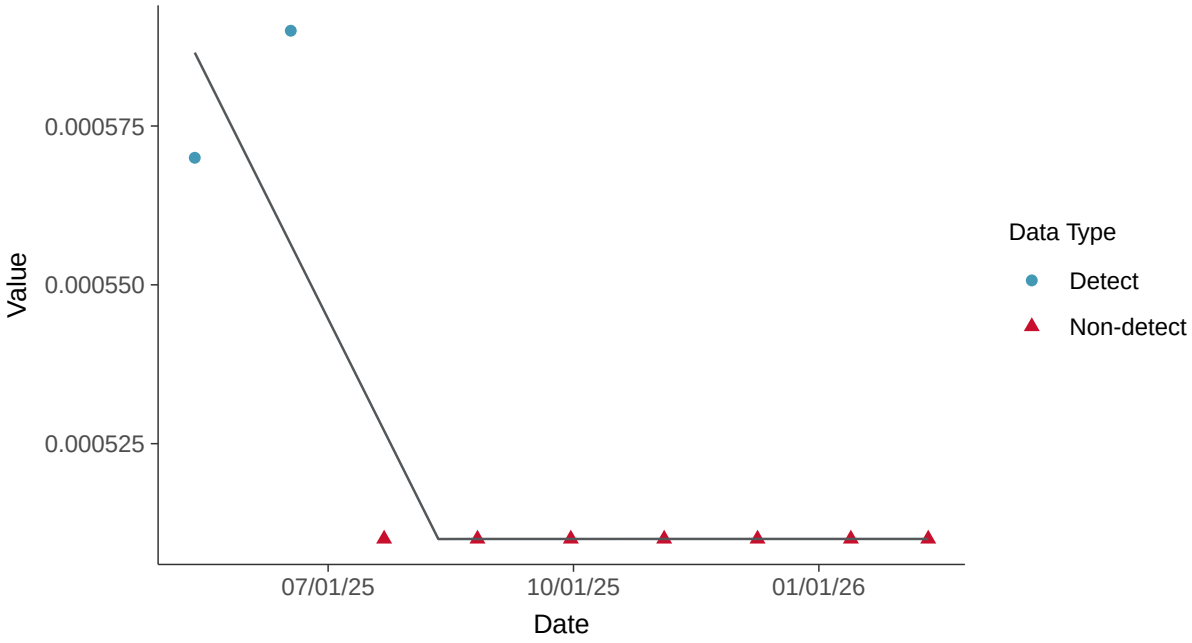
Trend Regression: Piecewise Linear-Linear

Thallium, MW-19B (mg/l)



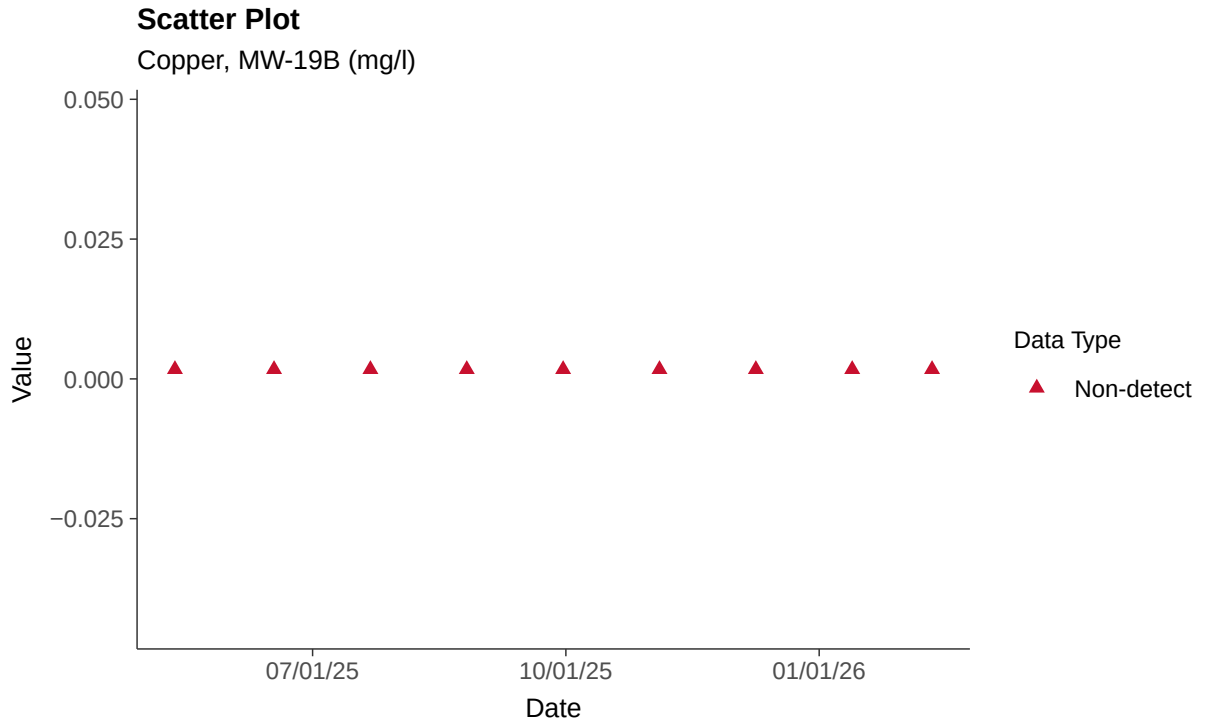
Trend Regression: Piecewise Linear-Linear-Linear

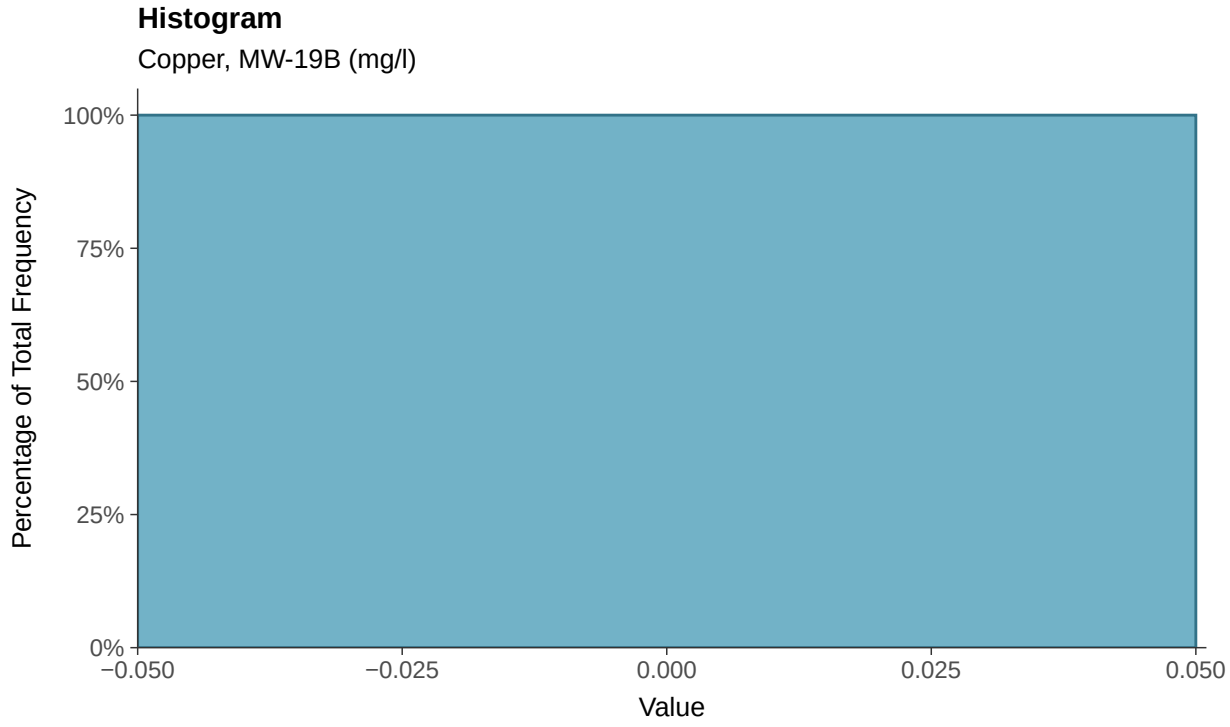
Thallium, MW-19B (mg/l)



Part 115: Copper, MW-19B

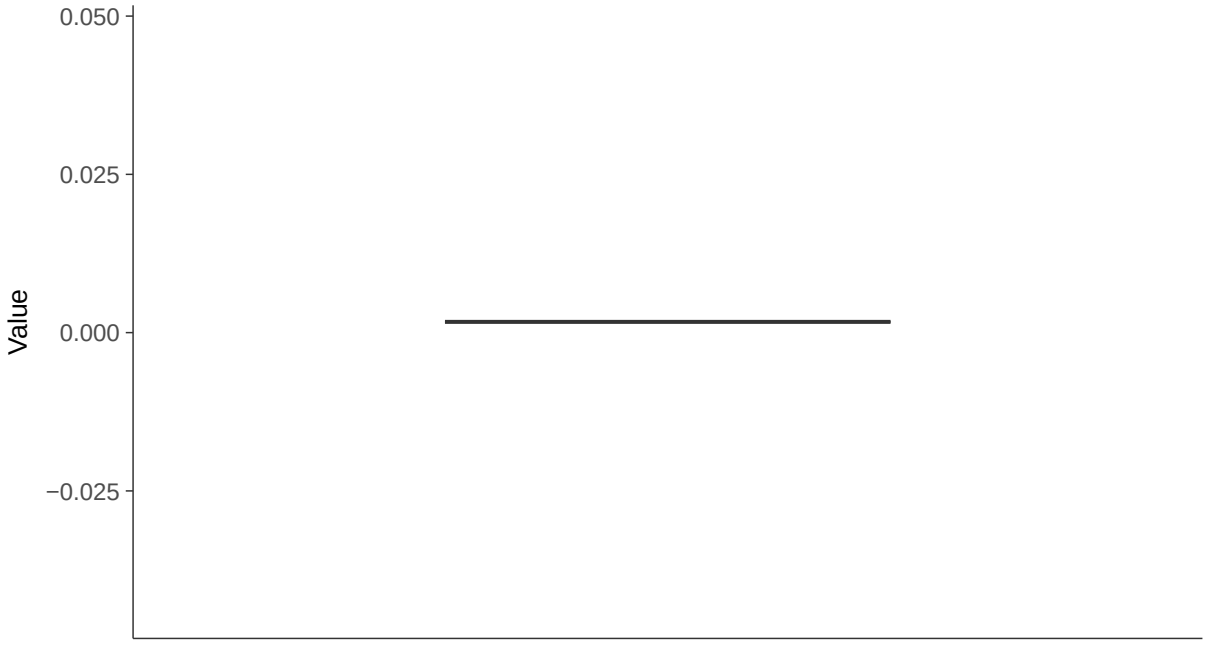
ID: 31_5_111





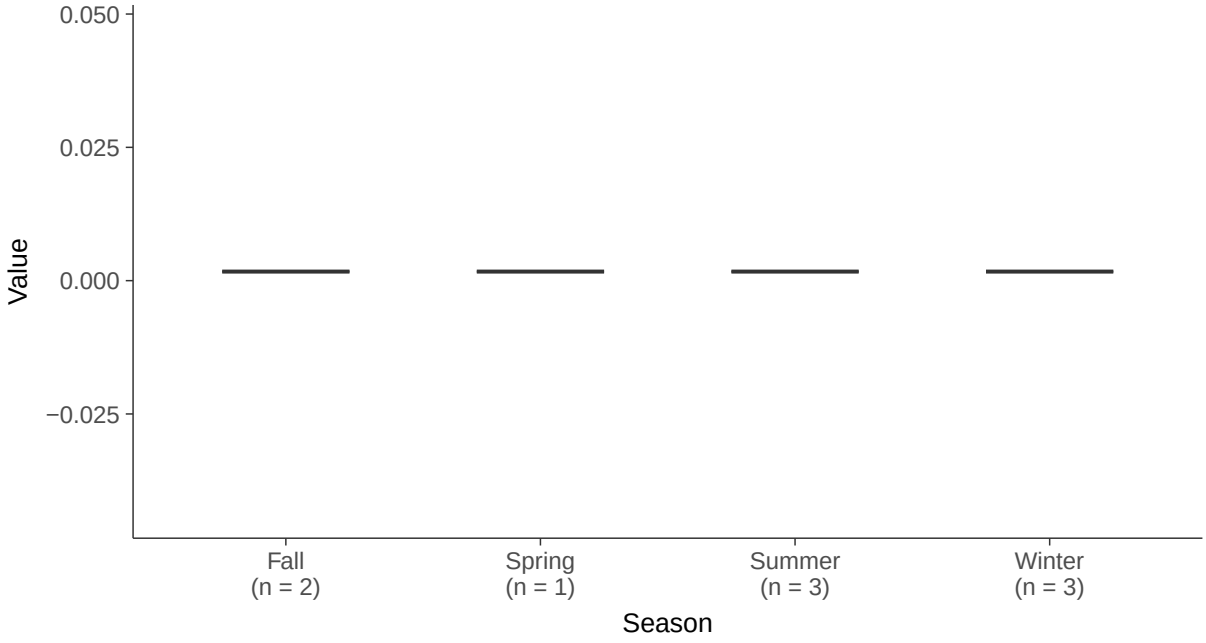
Boxplot

Copper, MW-19B (mg/l)



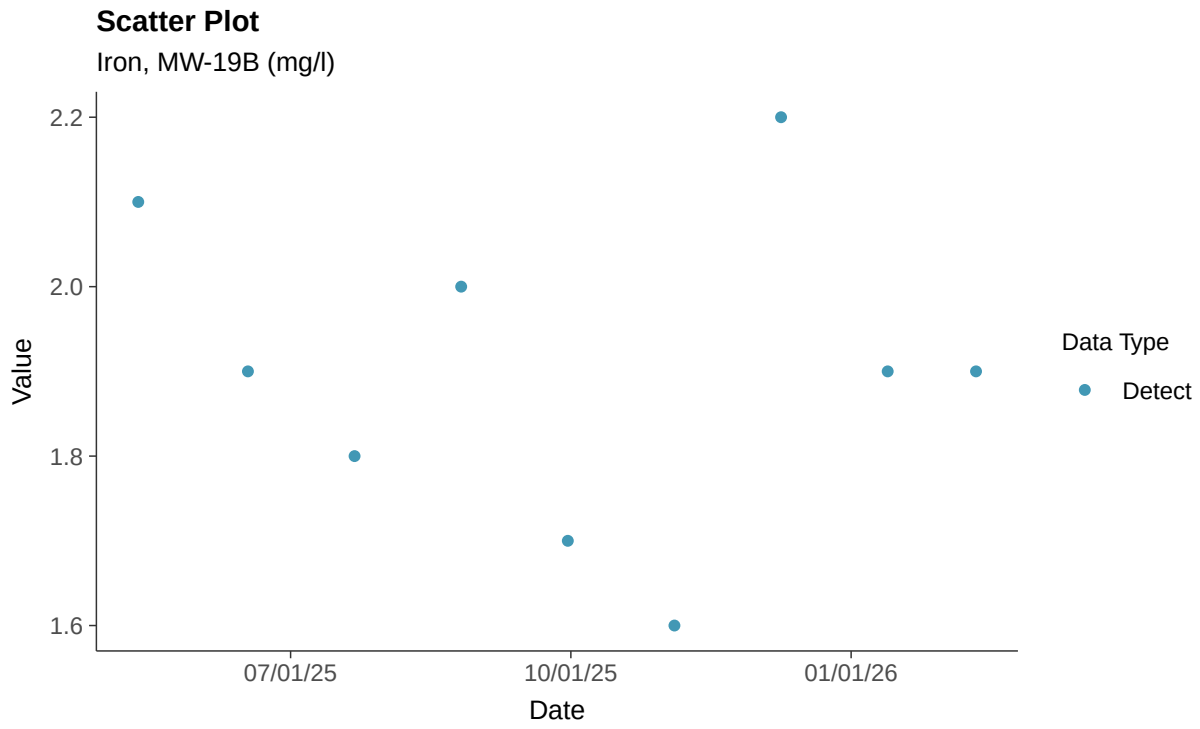
Boxplot by Season

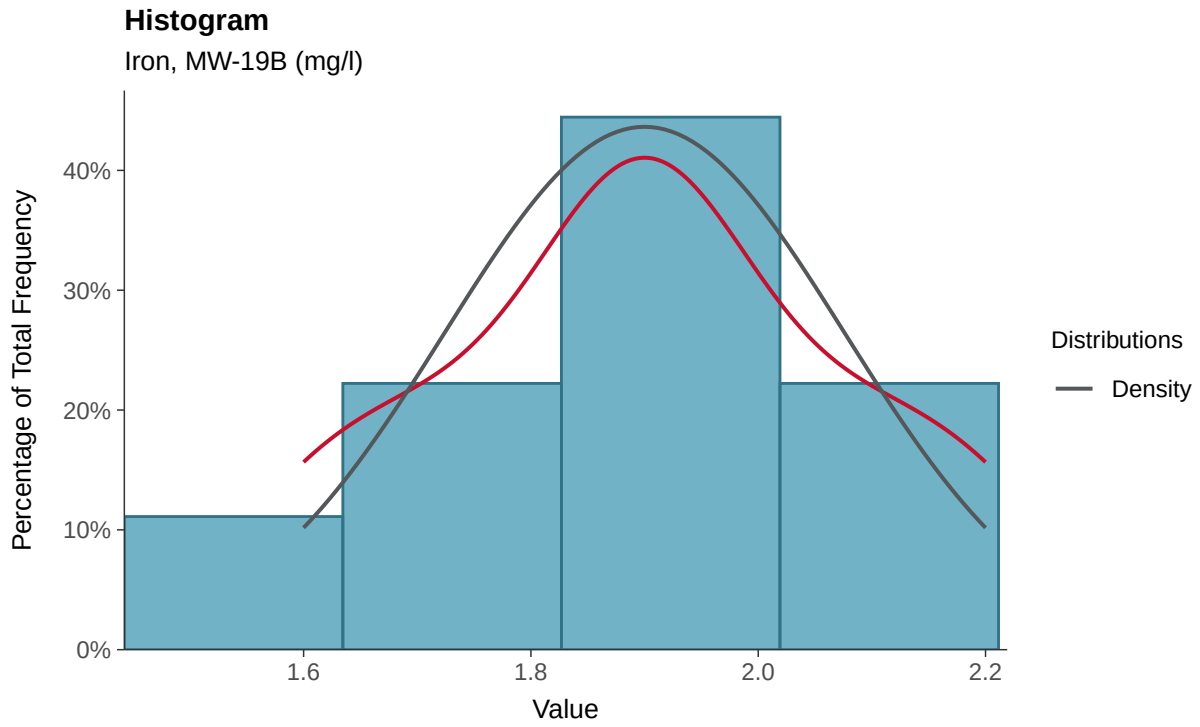
Copper, MW-19B (mg/l)



Part 115: Iron, MW-19B

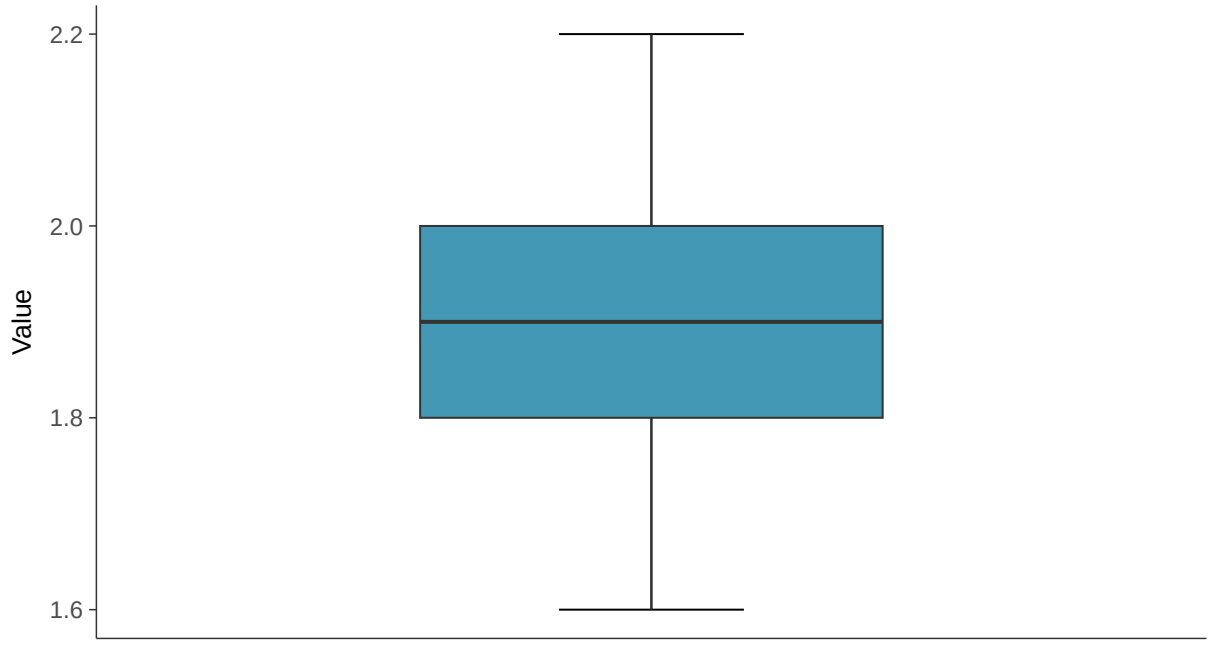
ID: 31_5_114





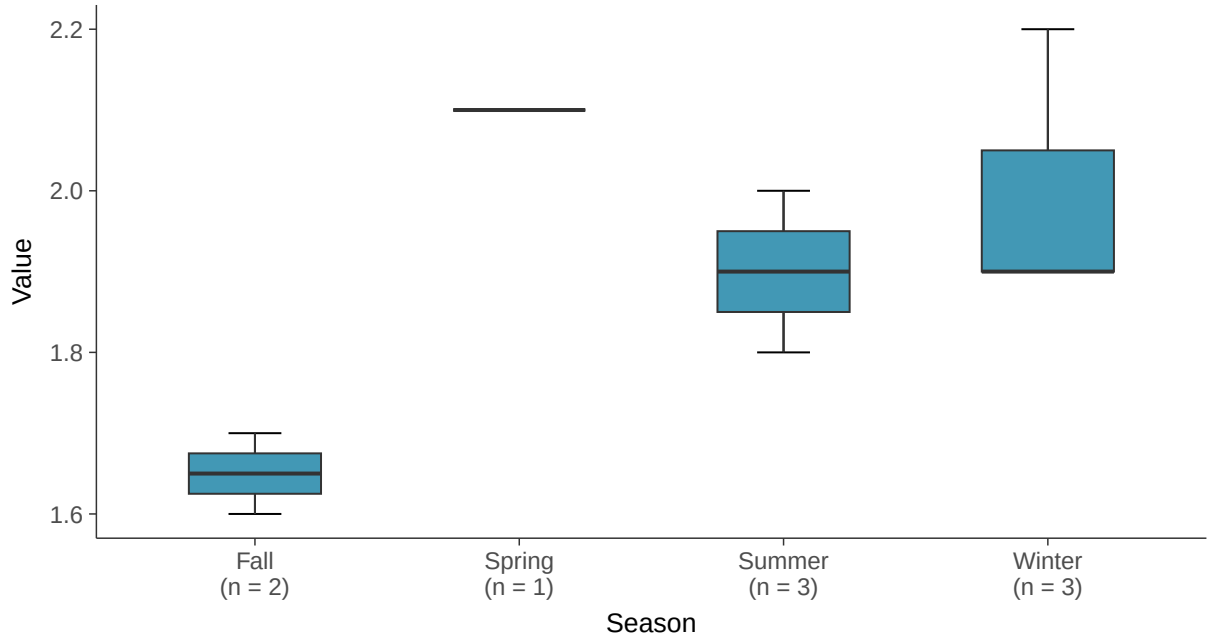
Boxplot

Iron, MW-19B (mg/l)



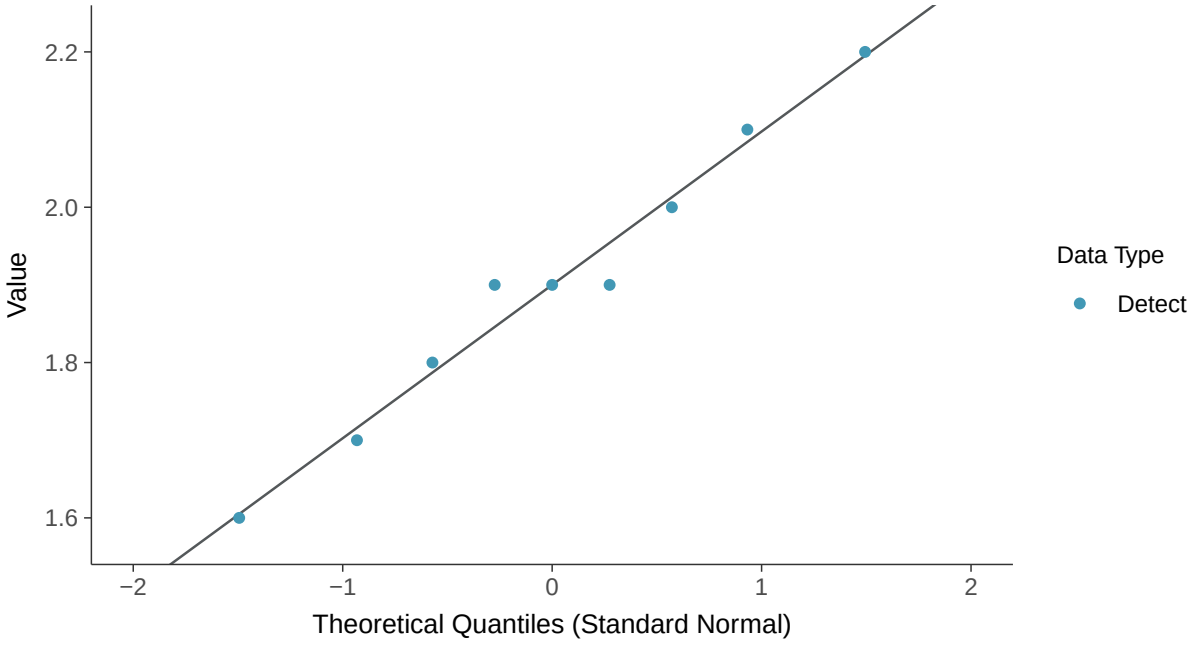
Boxplot by Season

Iron, MW-19B (mg/l)



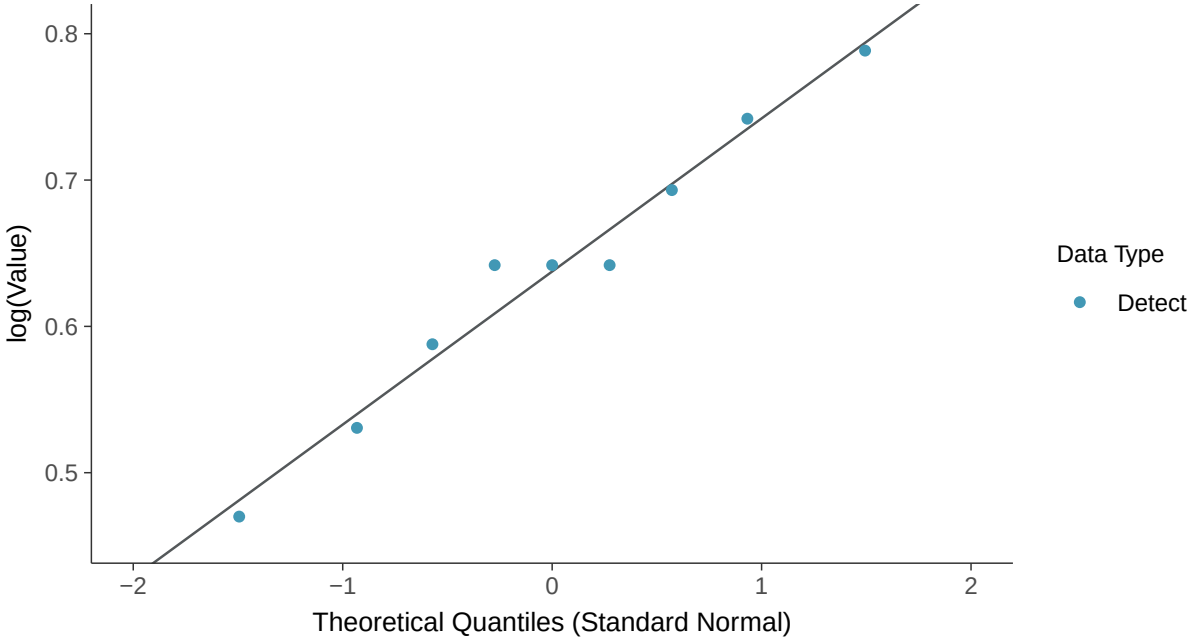
Normal Q-Q plot

Iron, MW-19B (mg/l)



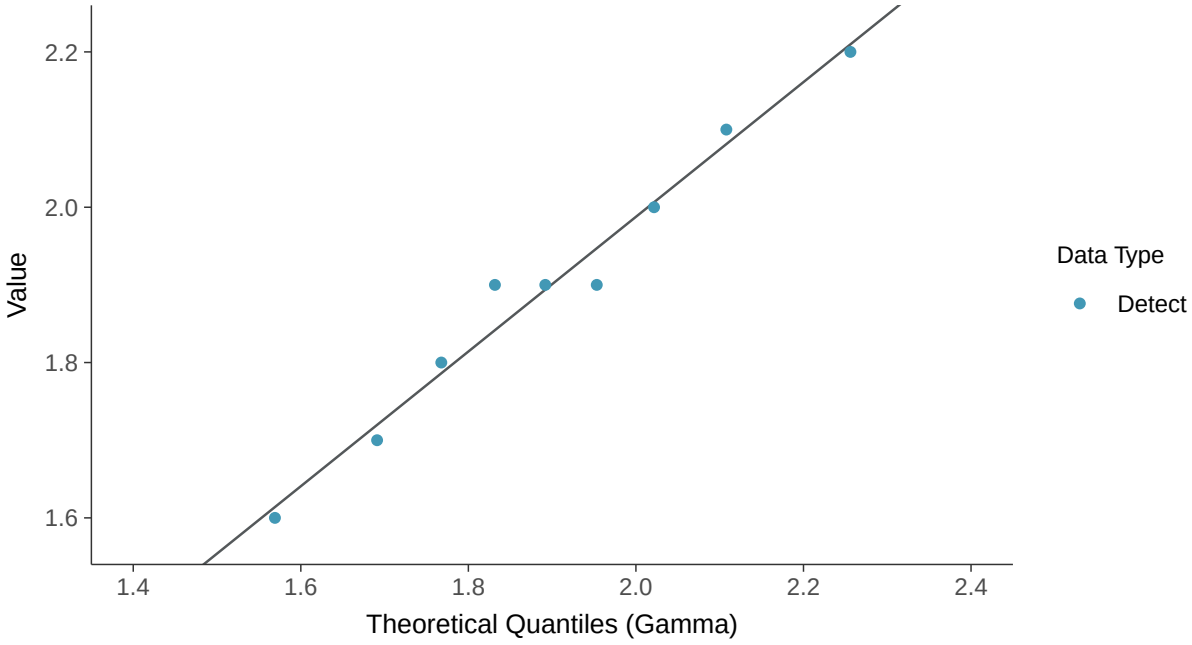
Lognormal Q-Q plot

Iron, MW-19B (mg/l)



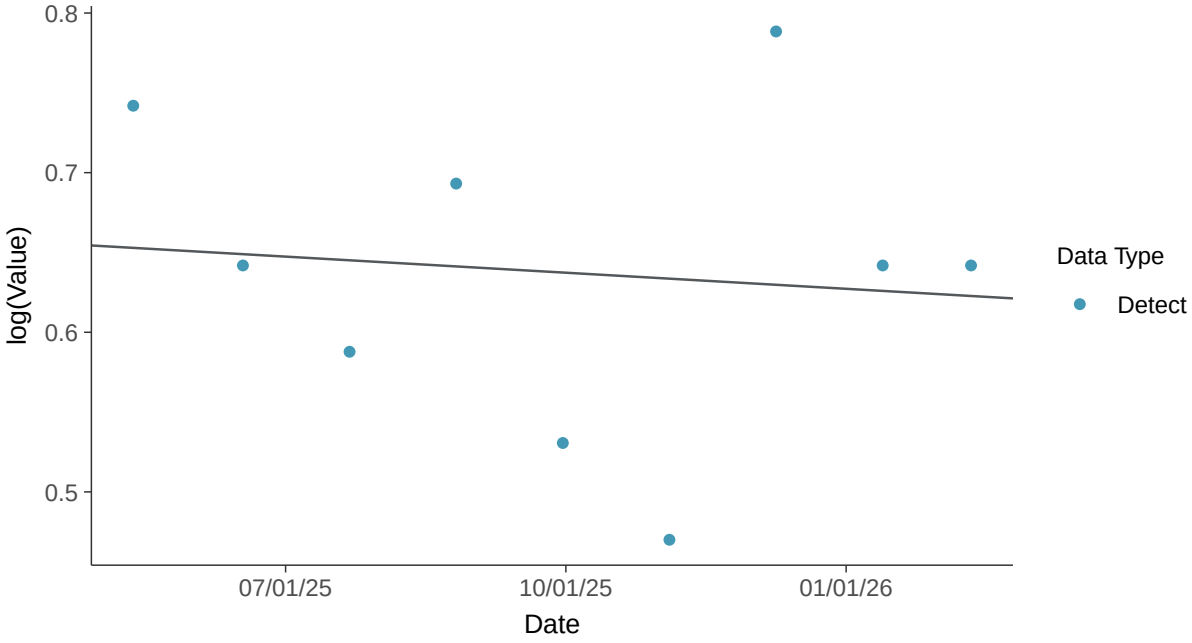
Gamma Q-Q plot

Iron, MW-19B (mg/l)



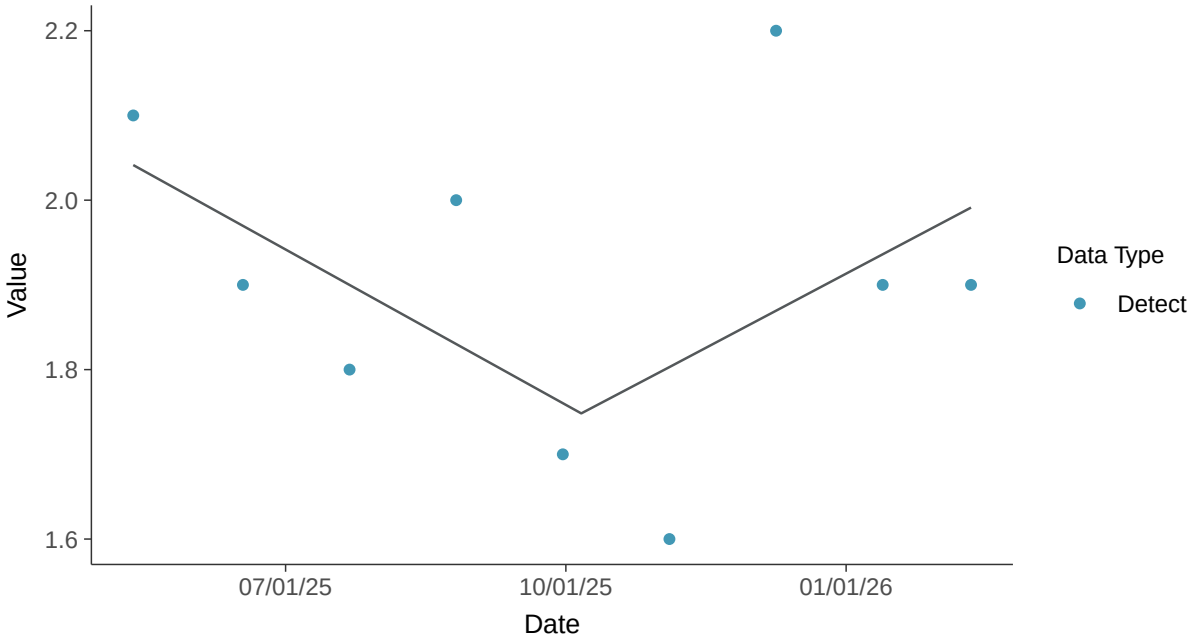
Trend Regression: Lognormal MLE

Iron, MW-19B (mg/l)



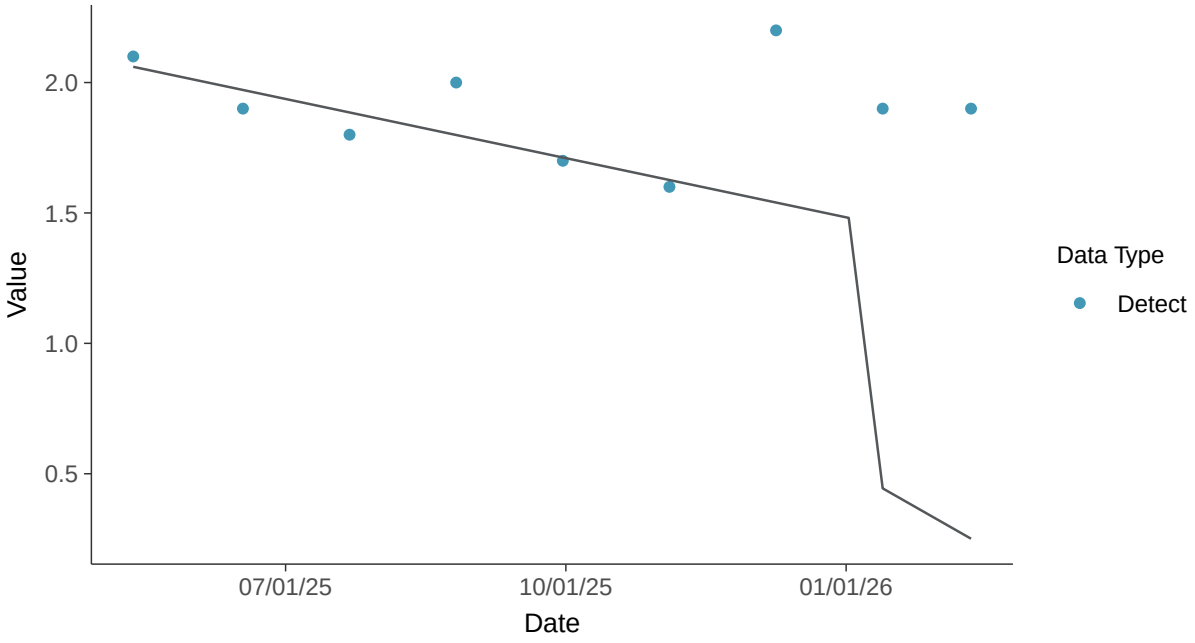
Trend Regression: Piecewise Linear-Linear

Iron, MW-19B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Iron, MW-19B (mg/l)

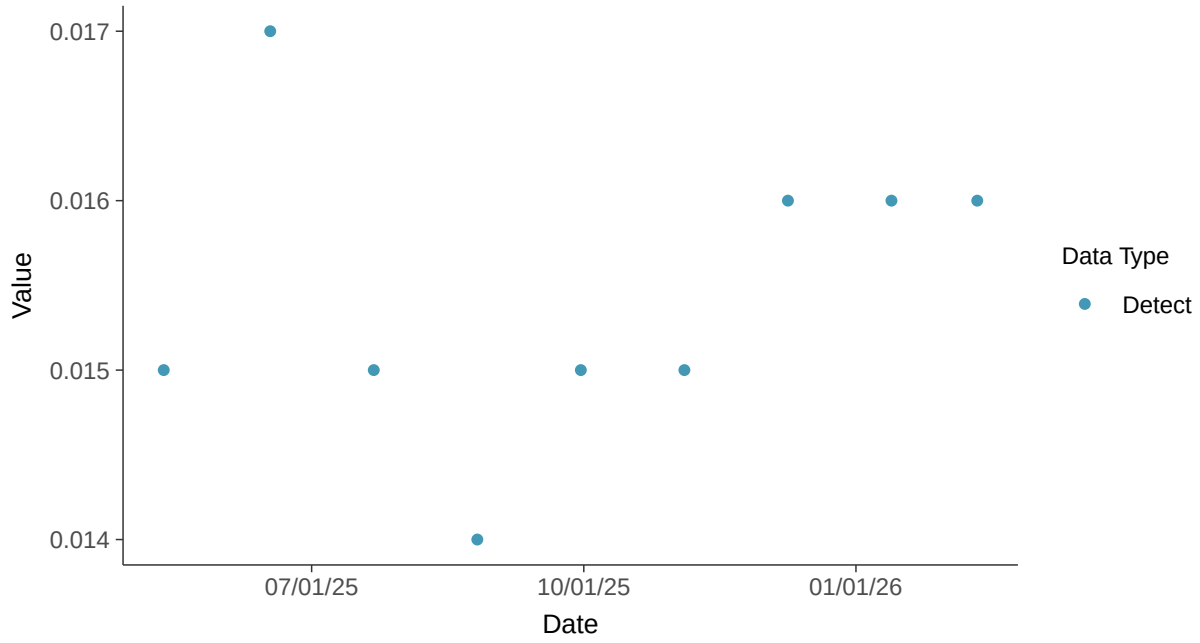


Part 115: Nickel, MW-19B

ID: 31_5_119

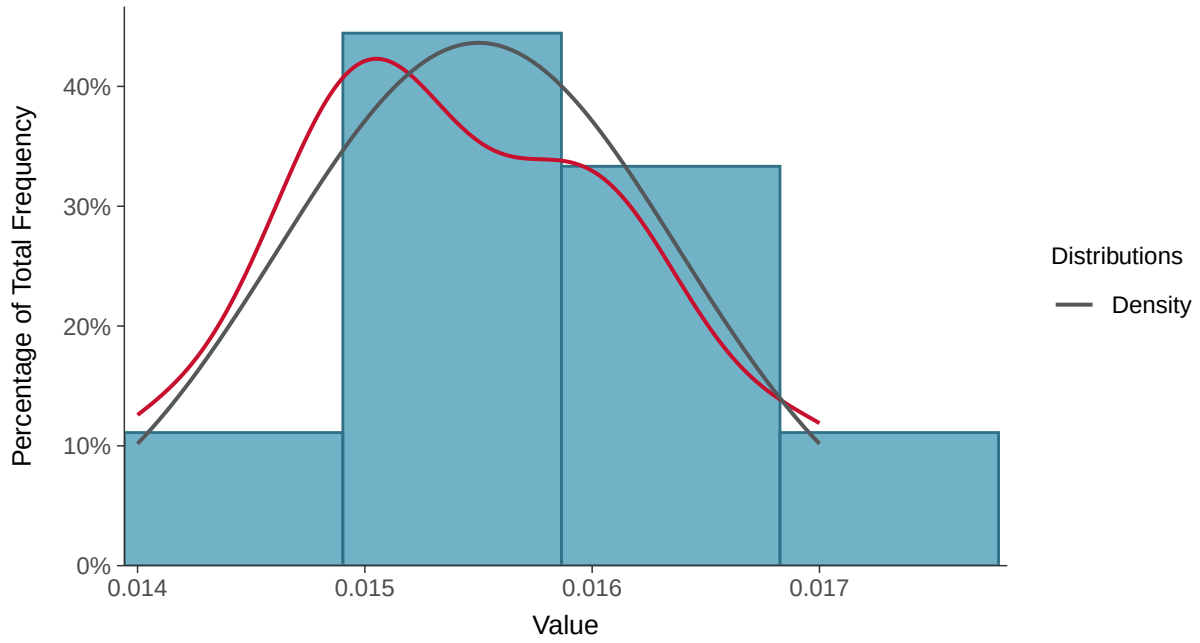
Scatter Plot

Nickel, MW-19B (mg/l)



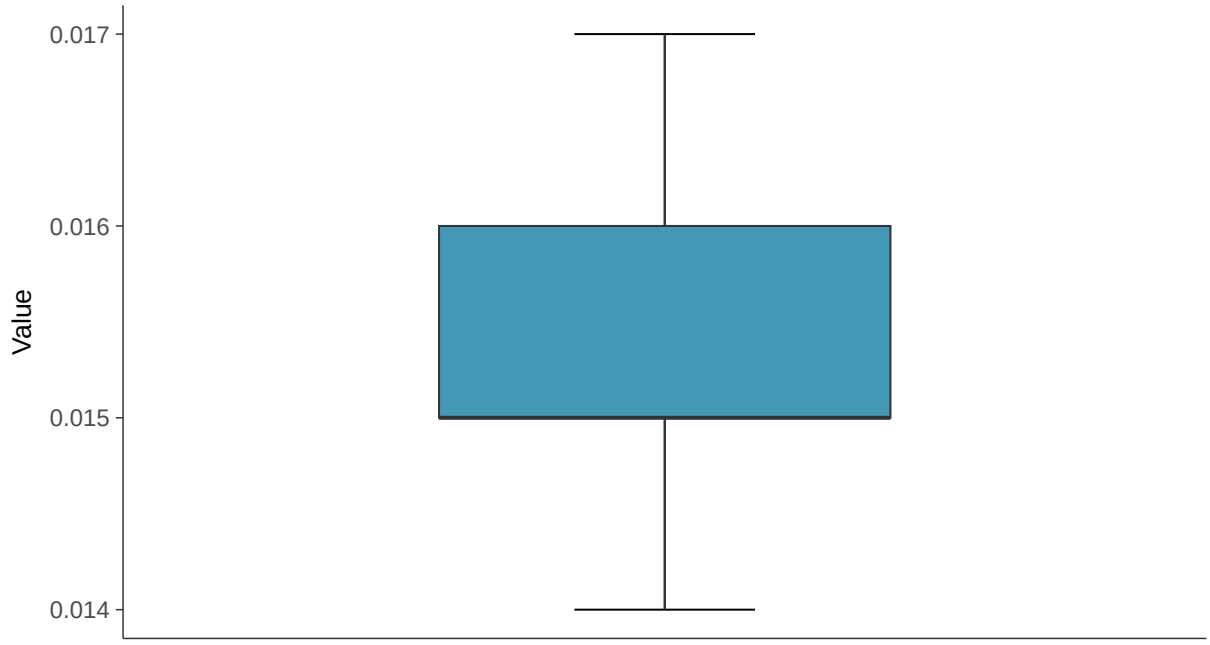
Histogram

Nickel, MW-19B (mg/l)



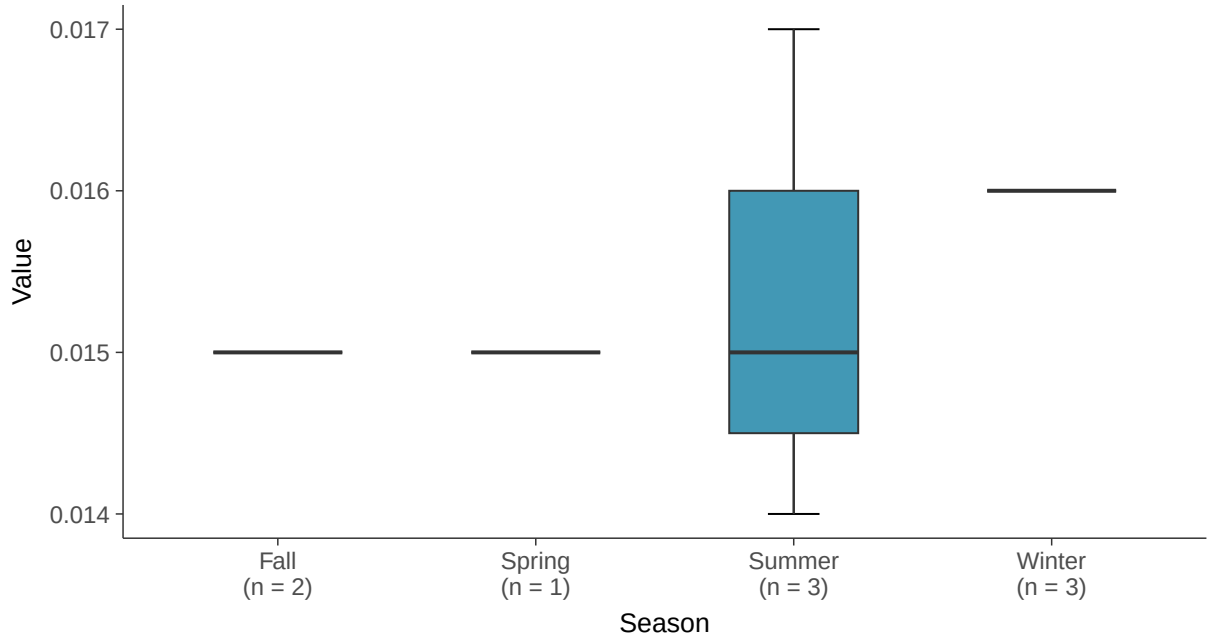
Boxplot

Nickel, MW-19B (mg/l)



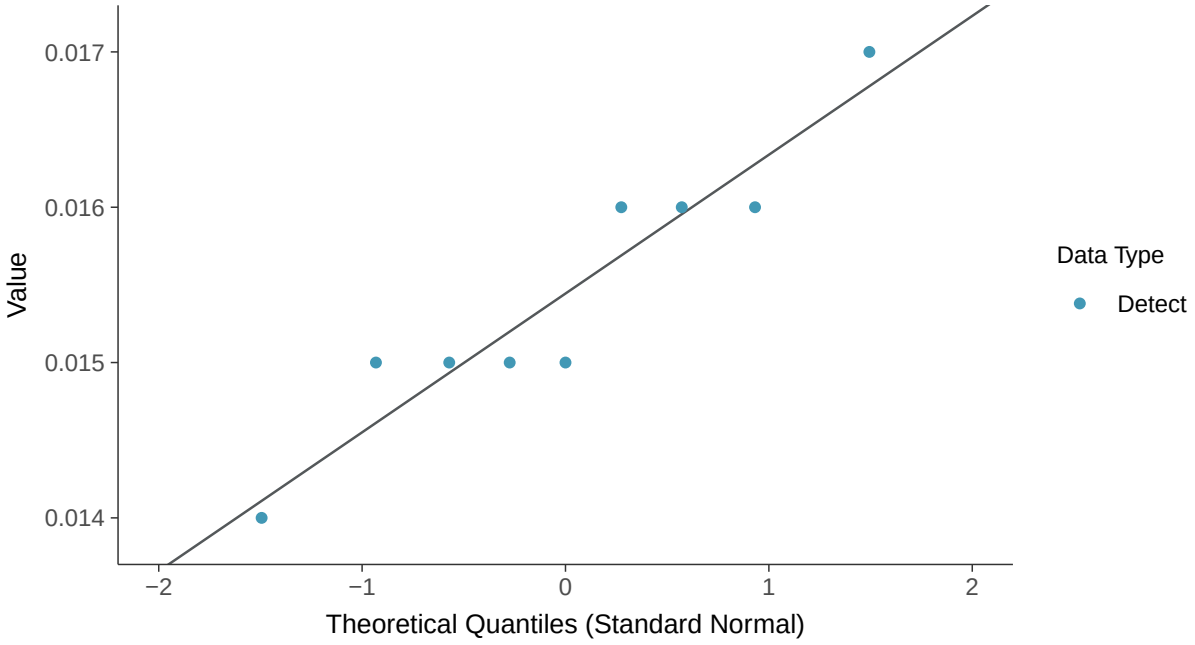
Boxplot by Season

Nickel, MW-19B (mg/l)



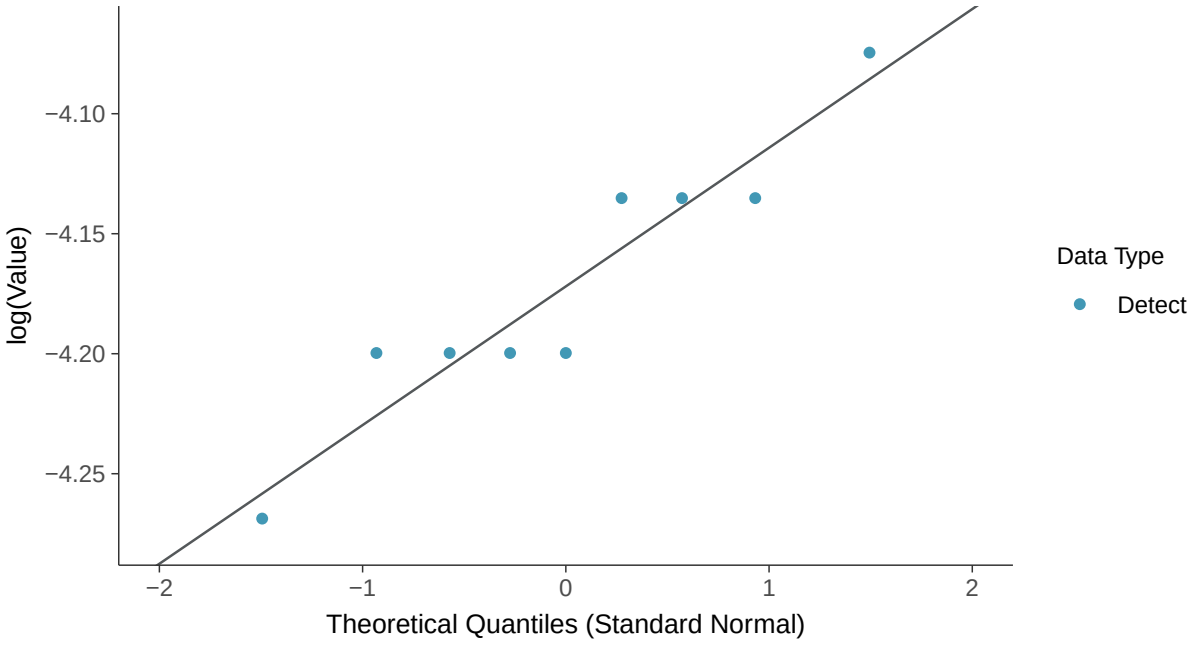
Normal Q-Q plot

Nickel, MW-19B (mg/l)



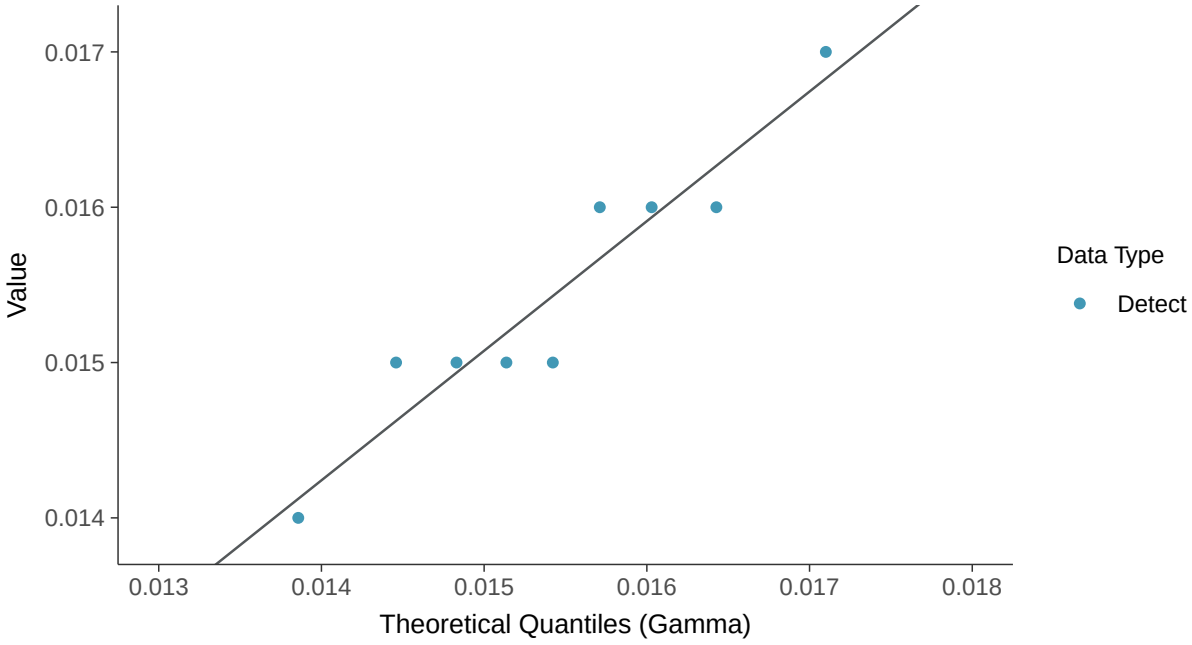
Lognormal Q-Q plot

Nickel, MW-19B (mg/l)



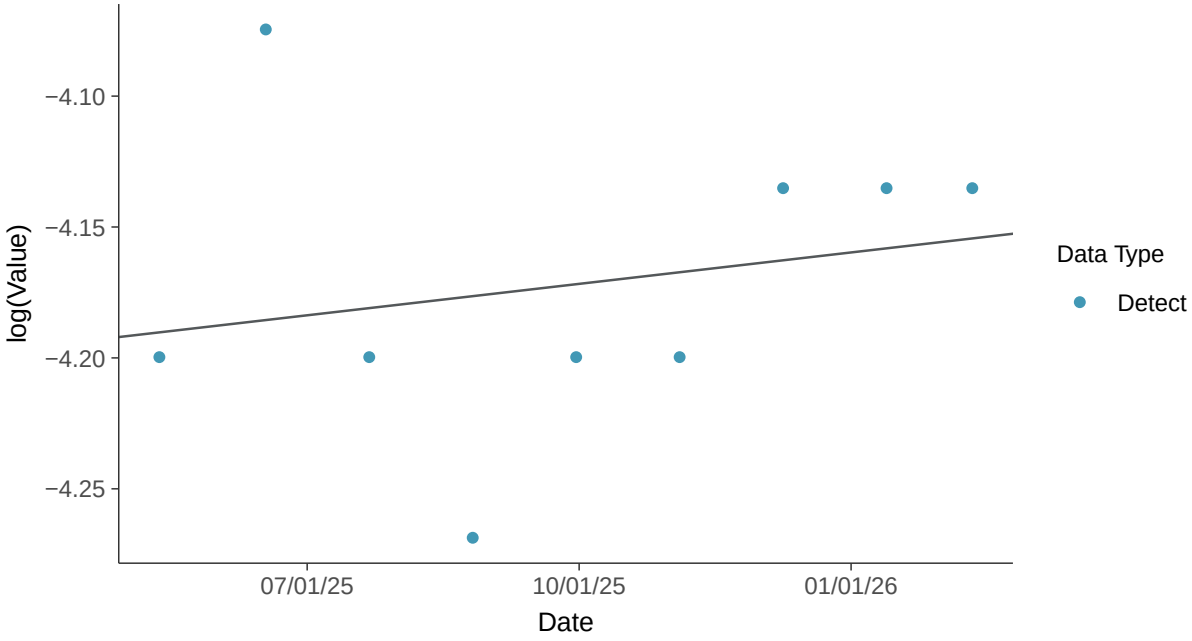
Gamma Q-Q plot

Nickel, MW-19B (mg/l)



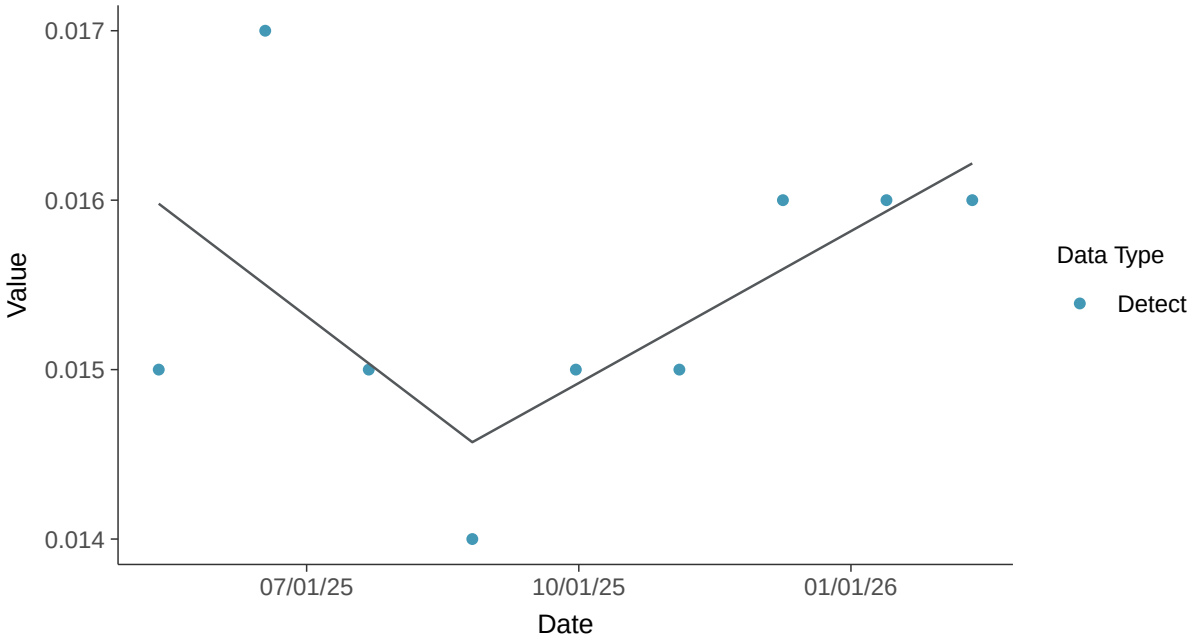
Trend Regression: Lognormal MLE

Nickel, MW-19B (mg/l)



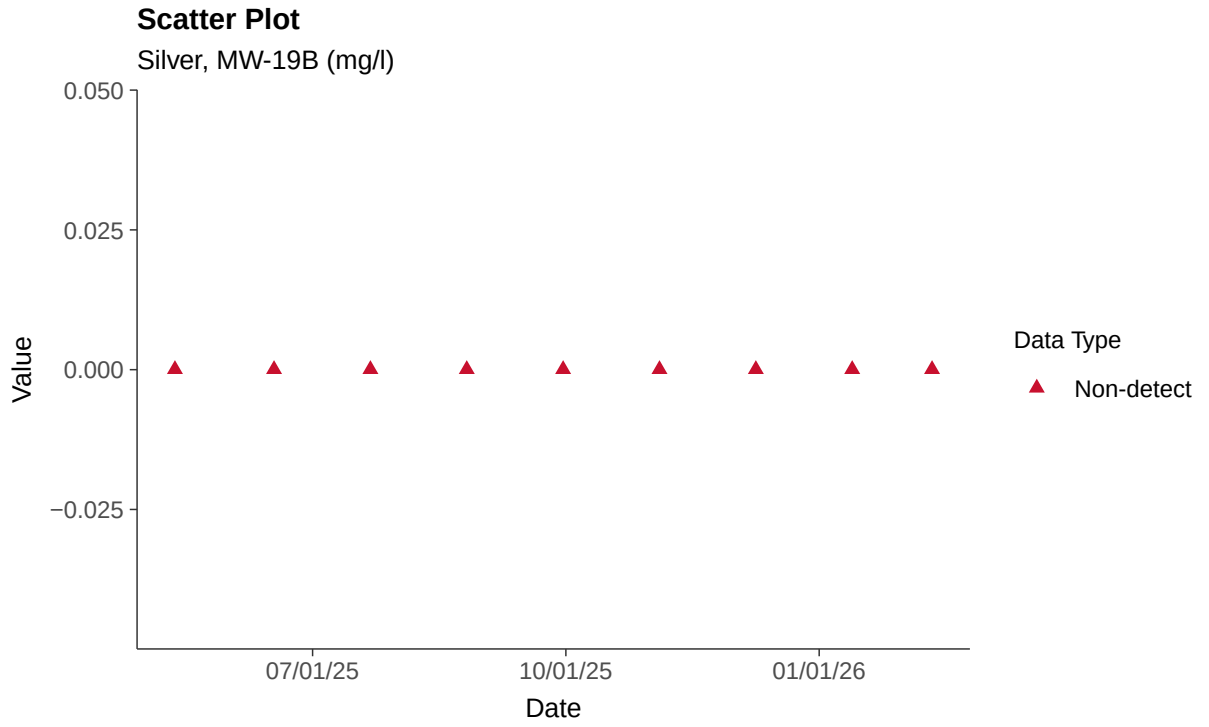
Trend Regression: Piecewise Linear-Linear

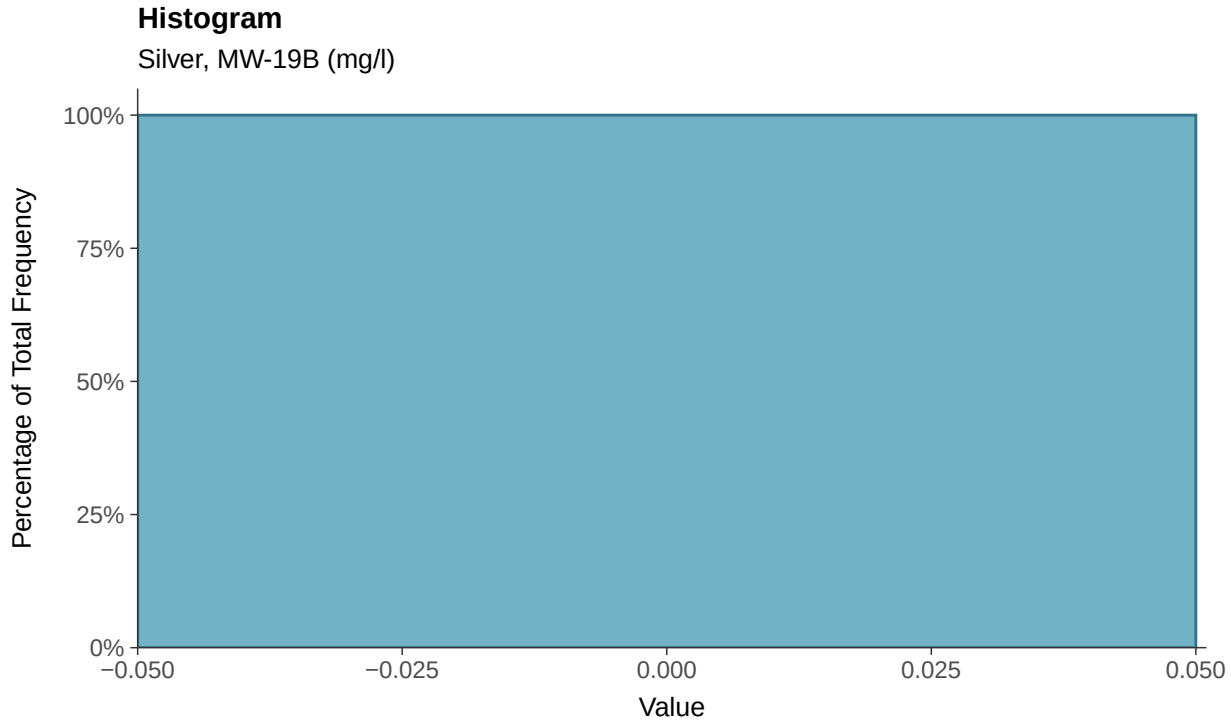
Nickel, MW-19B (mg/l)



Part 115: Silver, MW-19B

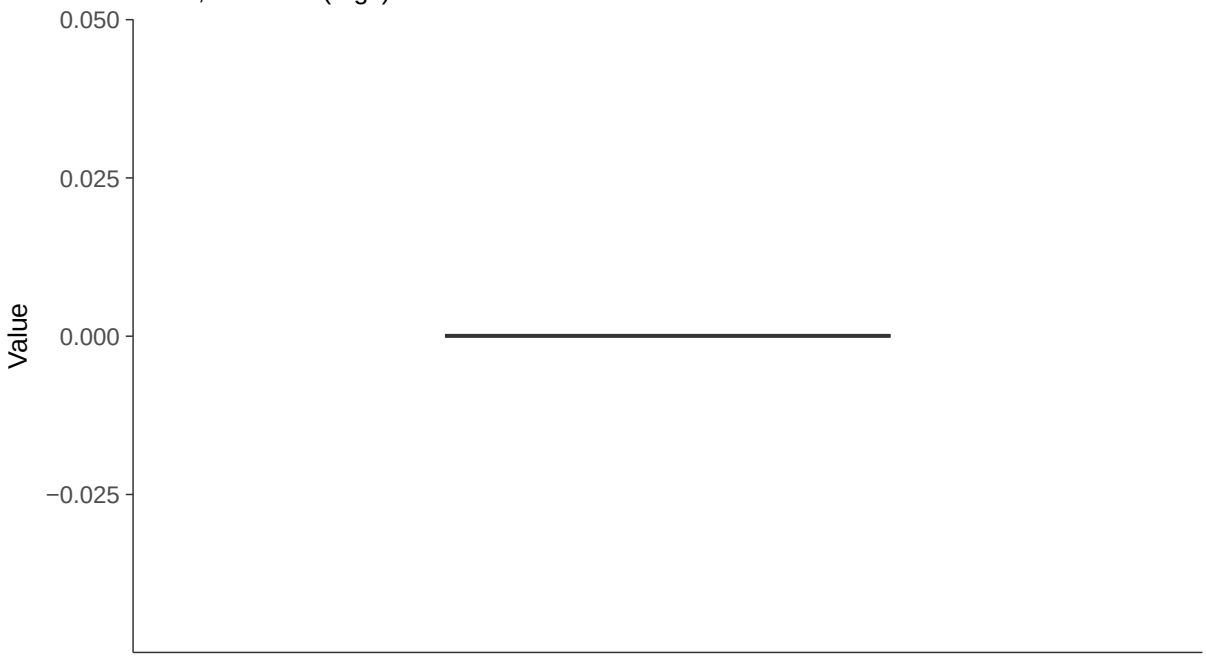
ID: 31_5_123





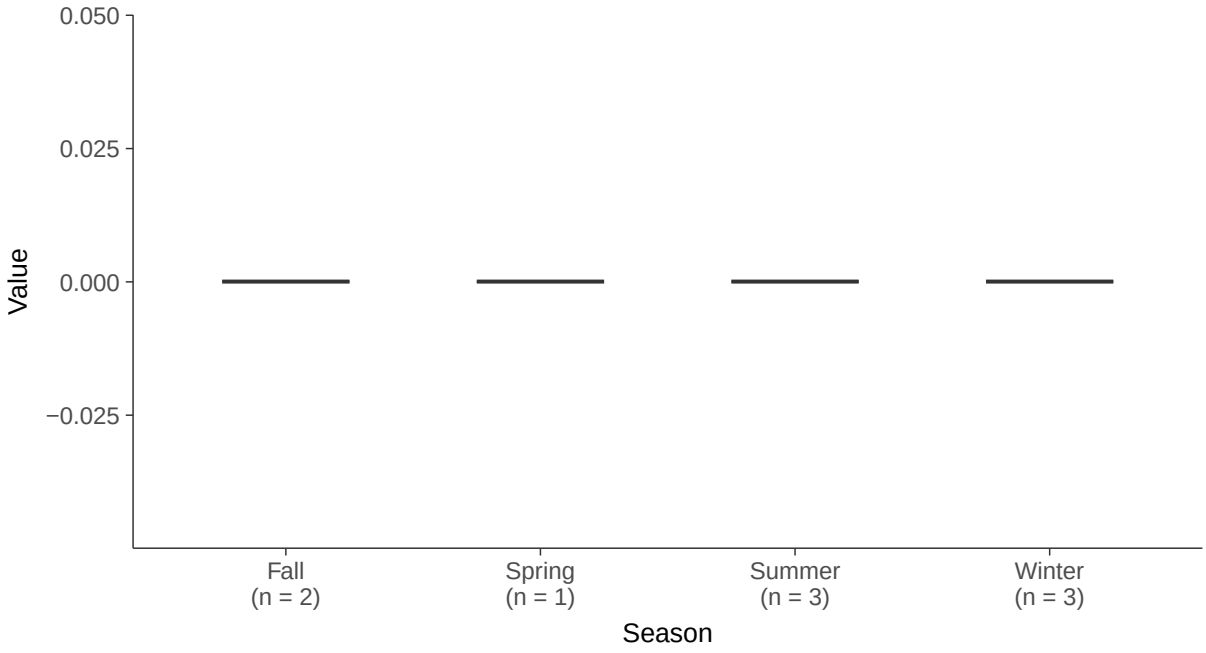
Boxplot

Silver, MW-19B (mg/l)



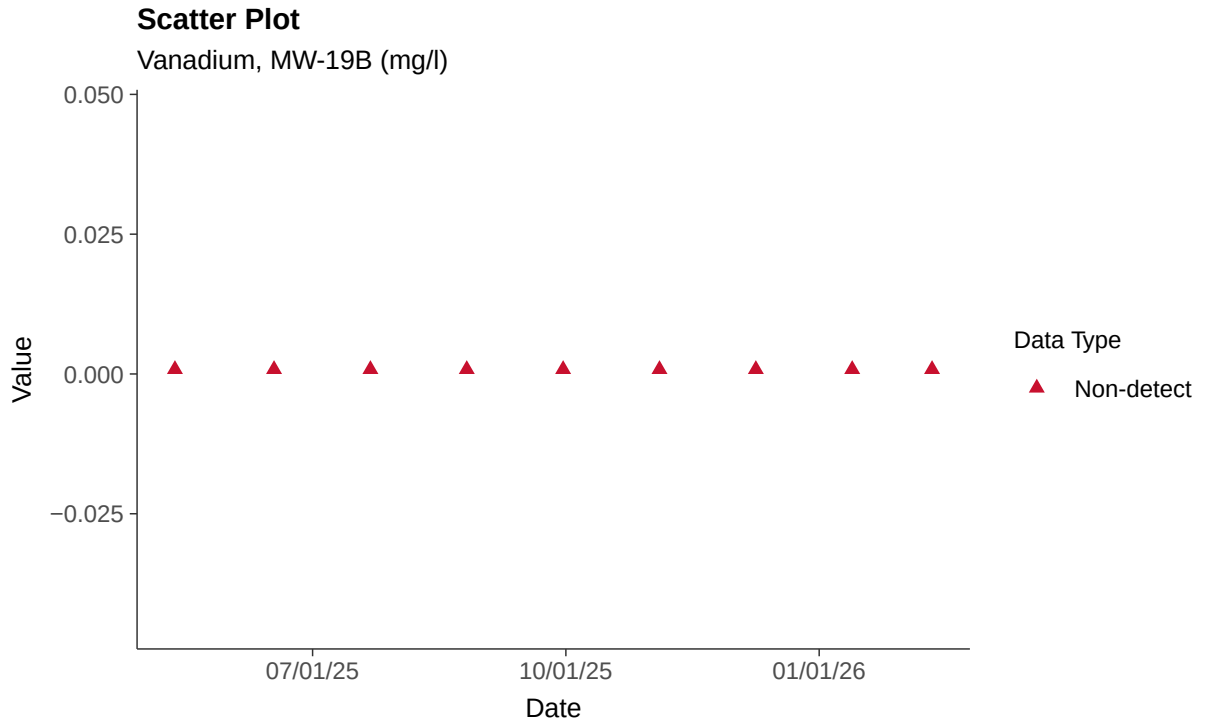
Boxplot by Season

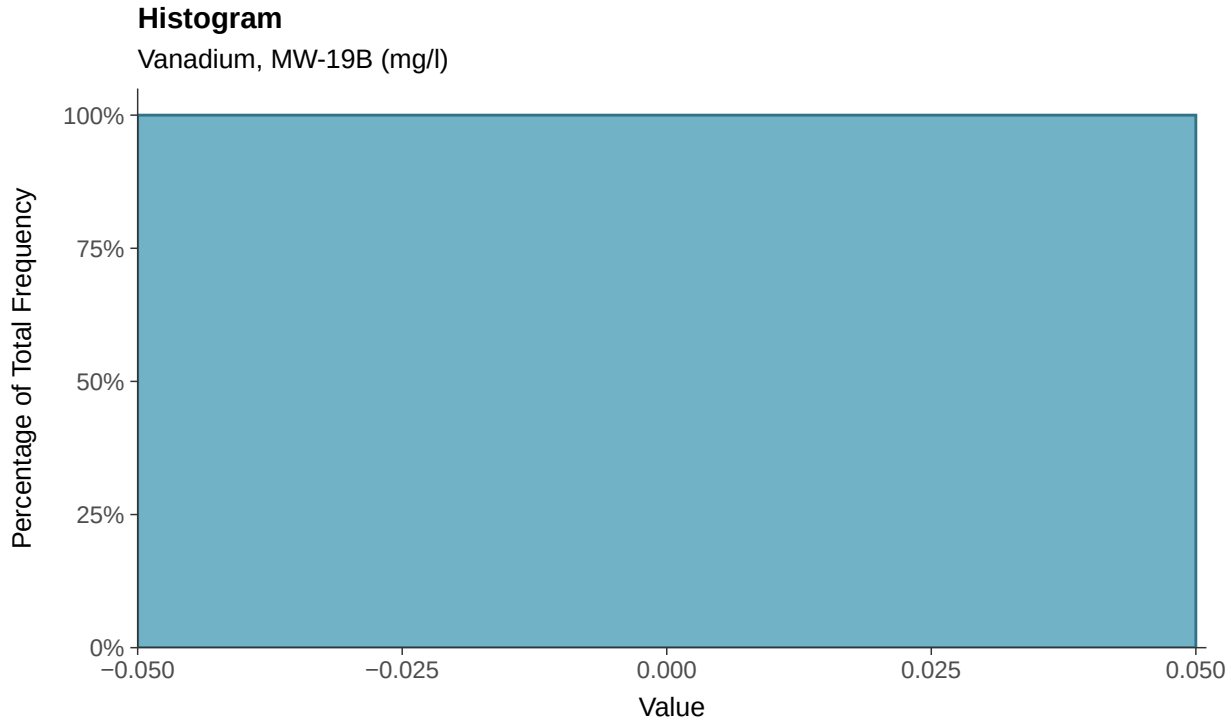
Silver, MW-19B (mg/l)



Part 115: Vanadium, MW-19B

ID: 31_5_128



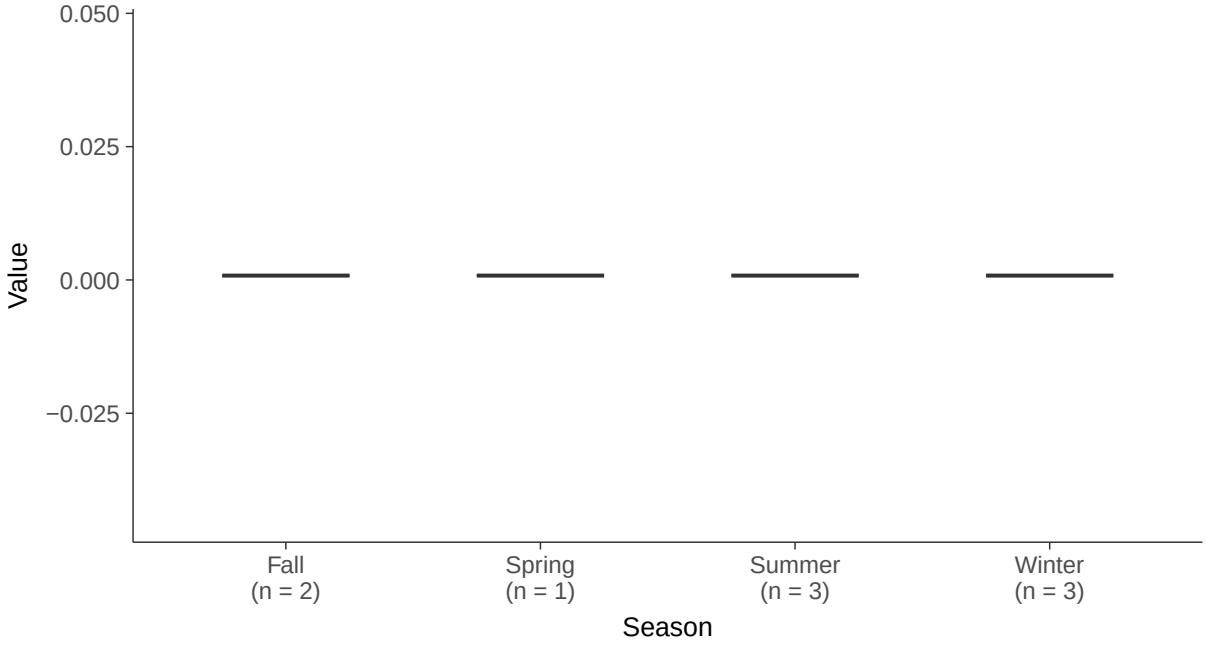


Boxplot

Vanadium, MW-19B (mg/l)

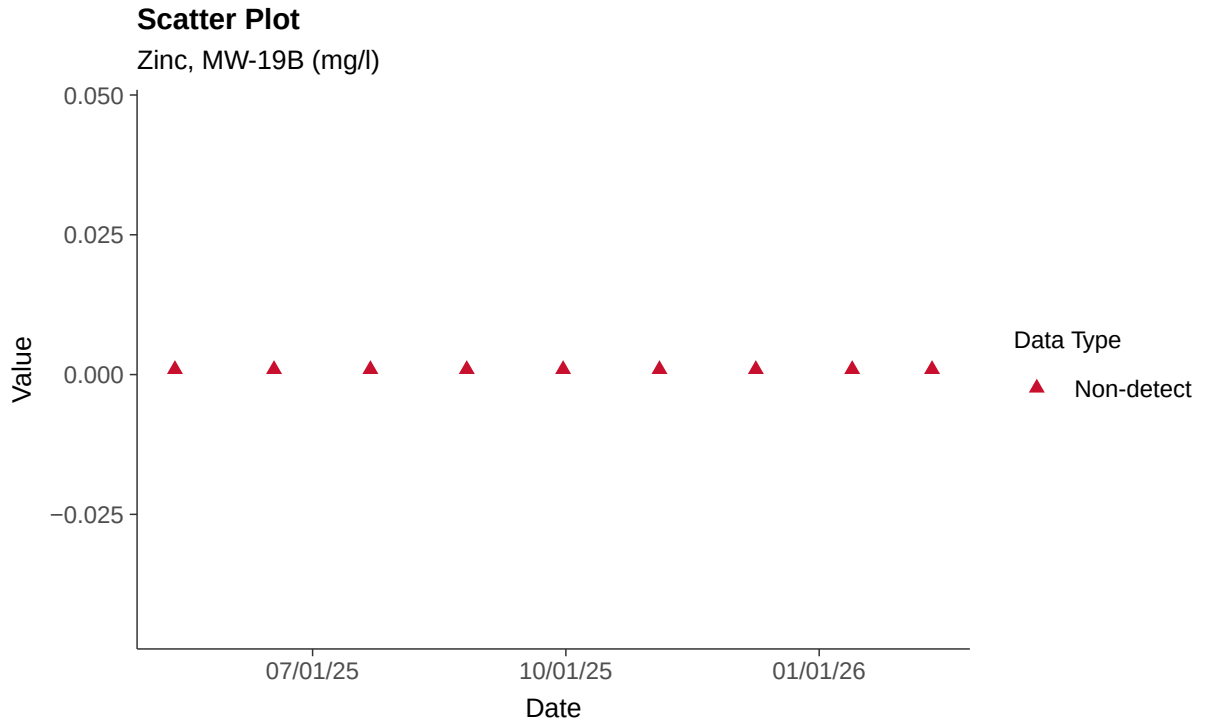
Boxplot by Season

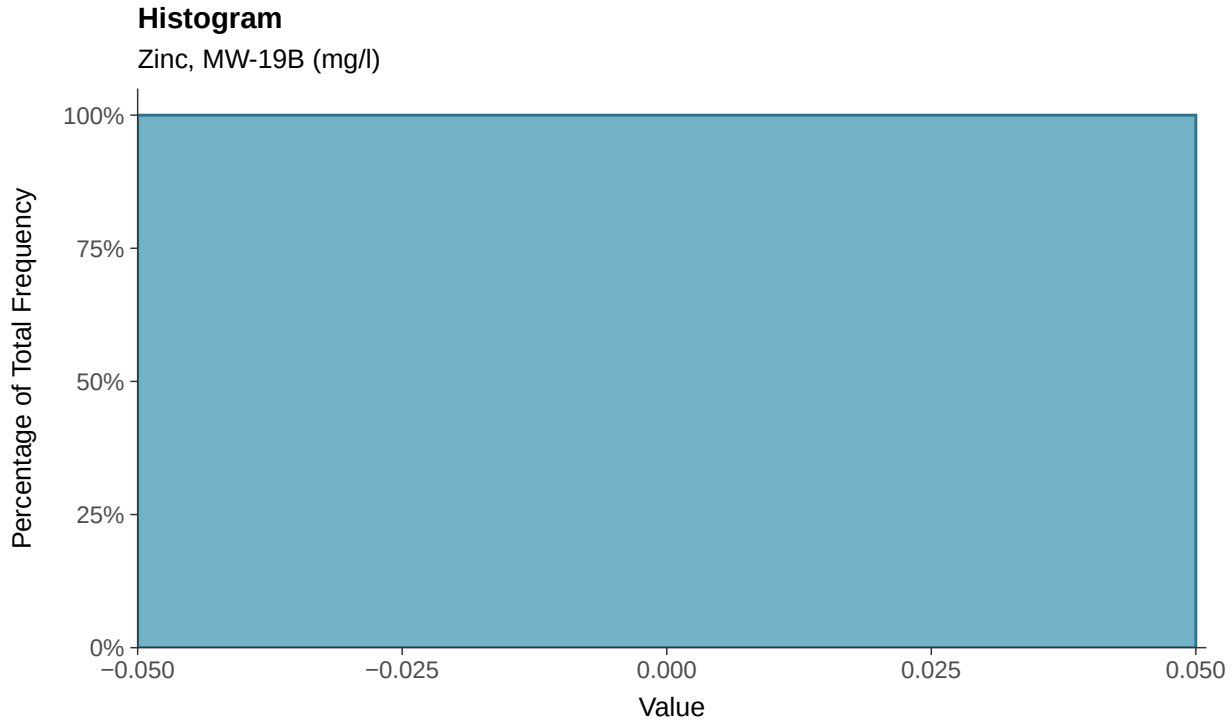
Vanadium, MW-19B (mg/l)



Part 115: Zinc, MW-19B

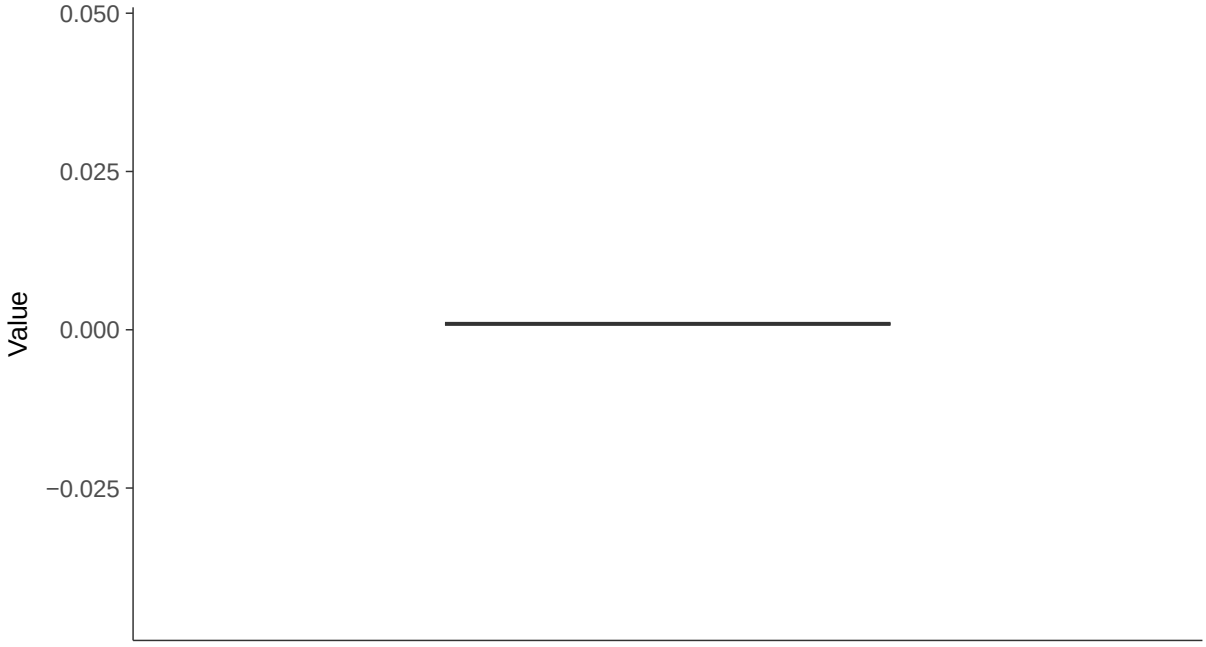
ID: 31_5_129





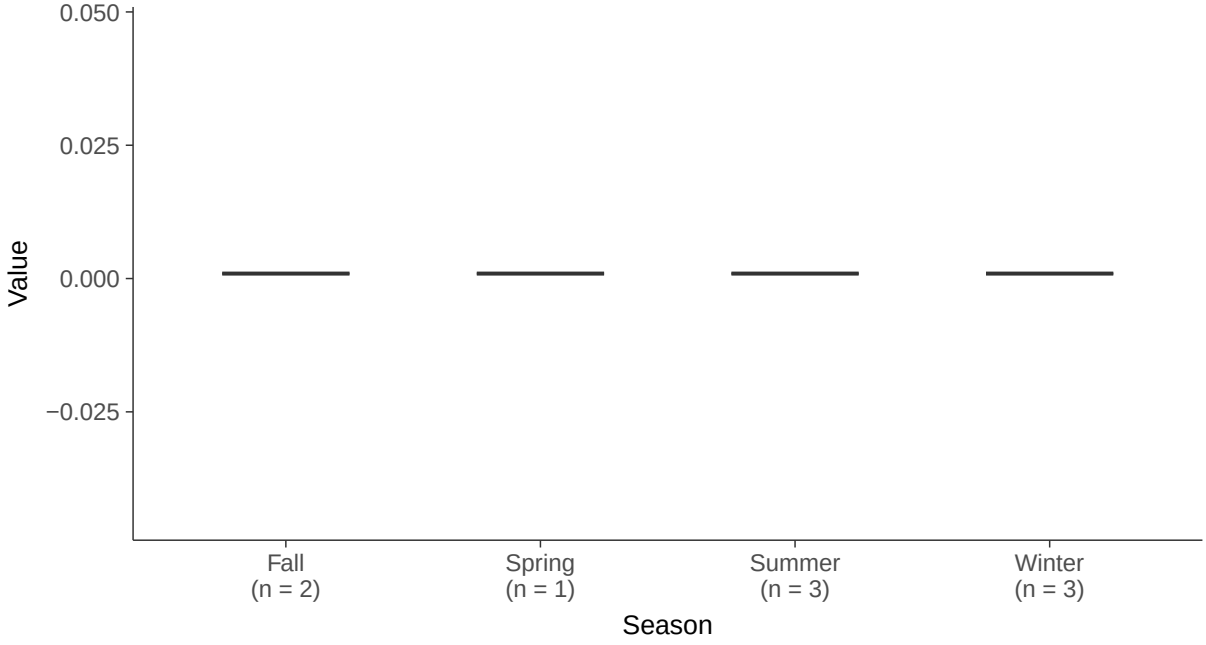
Boxplot

Zinc, MW-19B (mg/l)



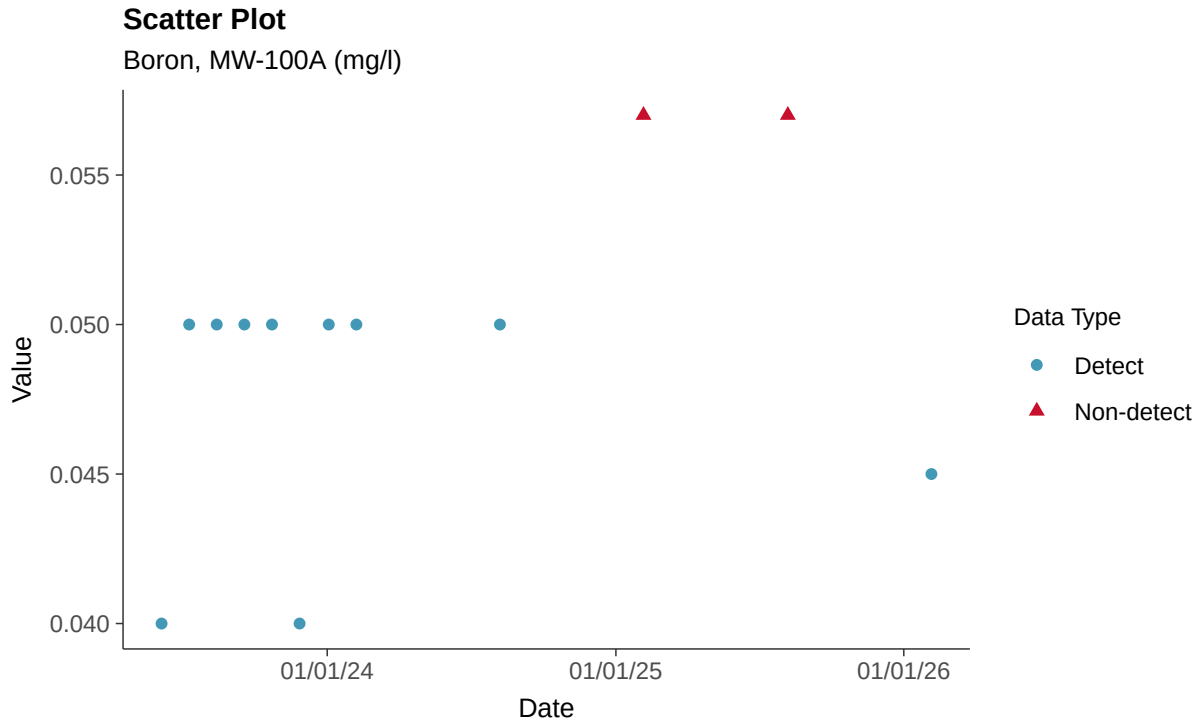
Boxplot by Season

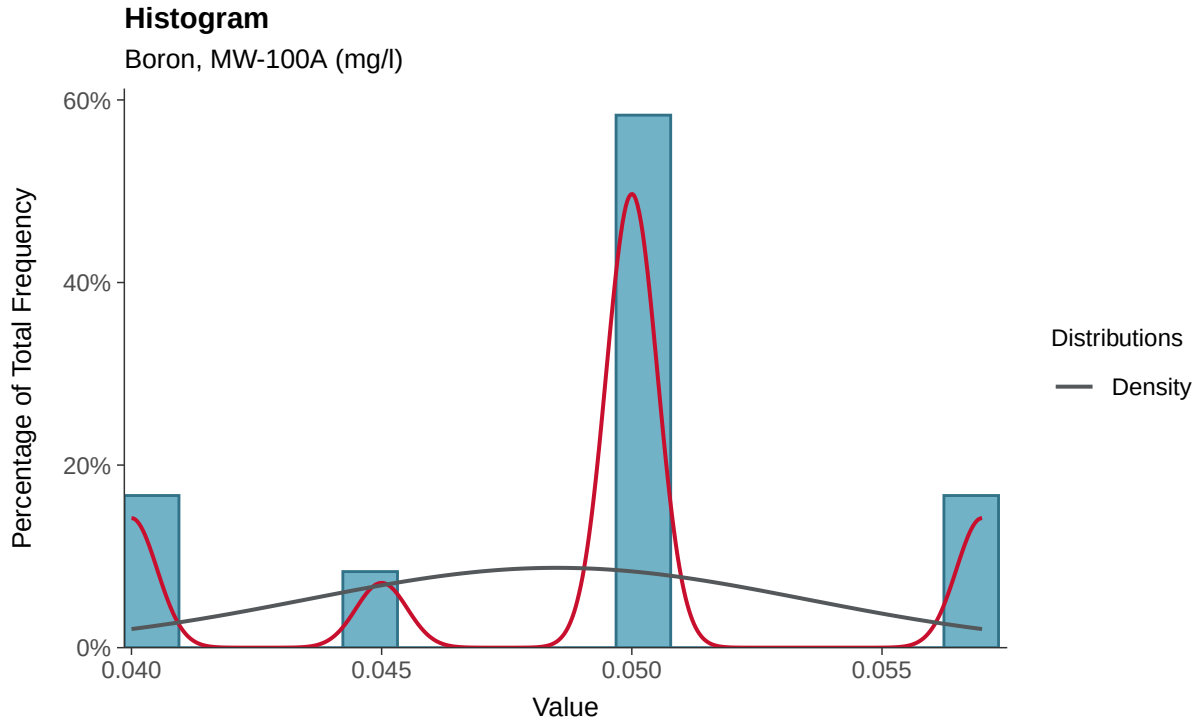
Zinc, MW-19B (mg/l)



Appendix III: Boron, MW-100A

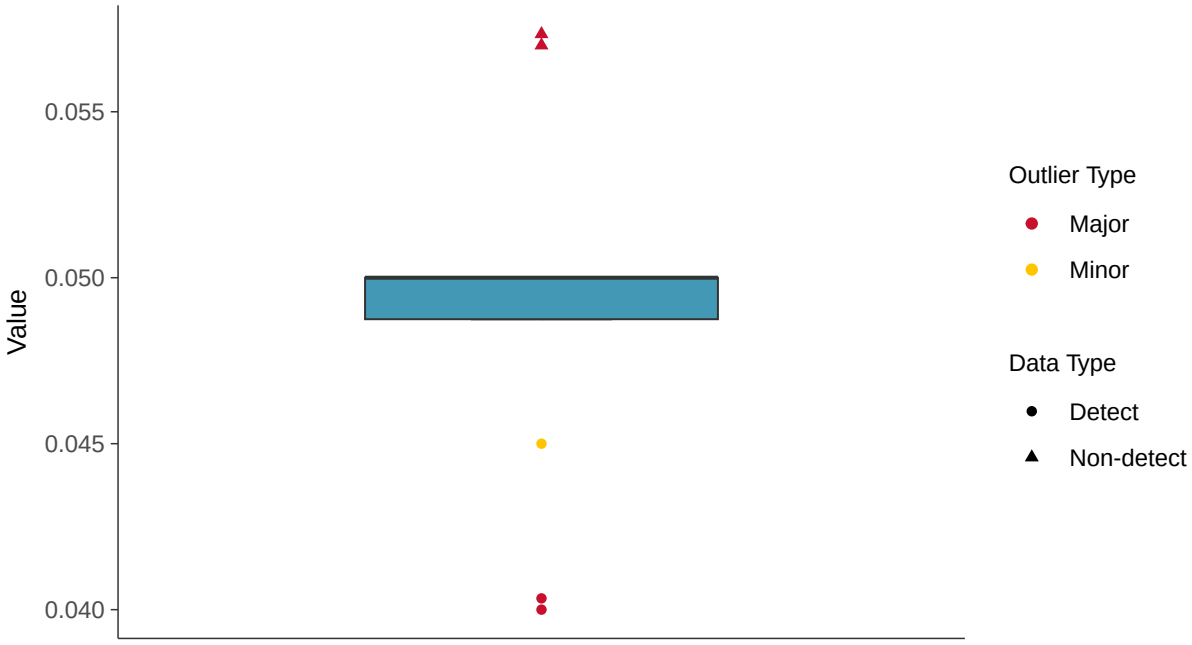
ID: 32_2_105





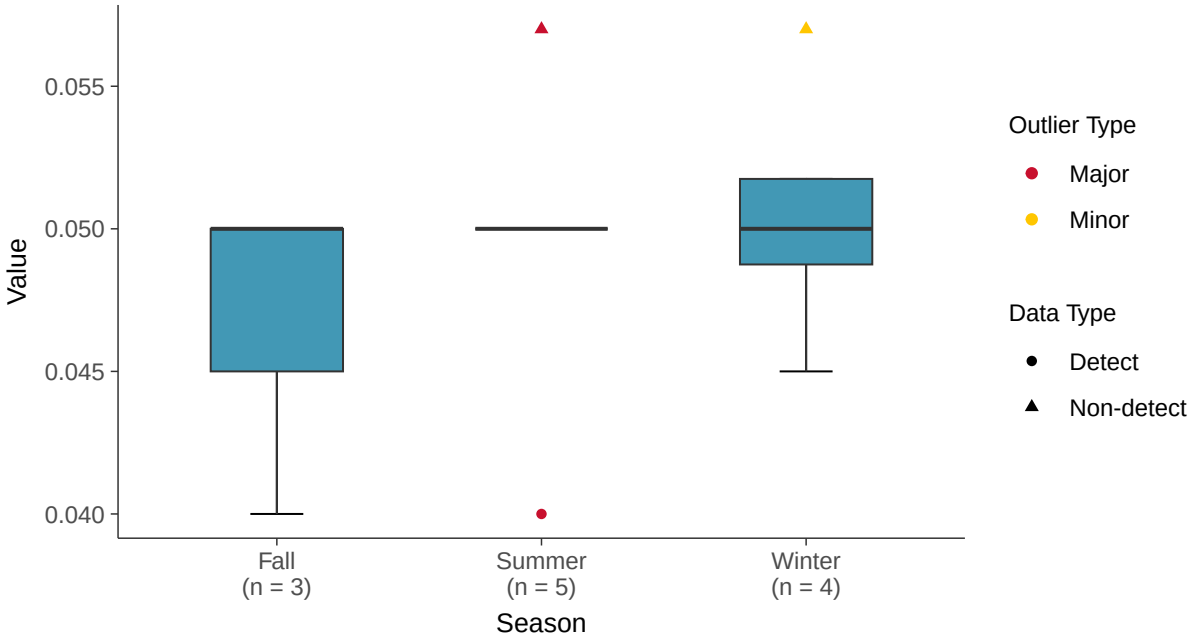
Boxplot

Boron, MW-100A (mg/l)



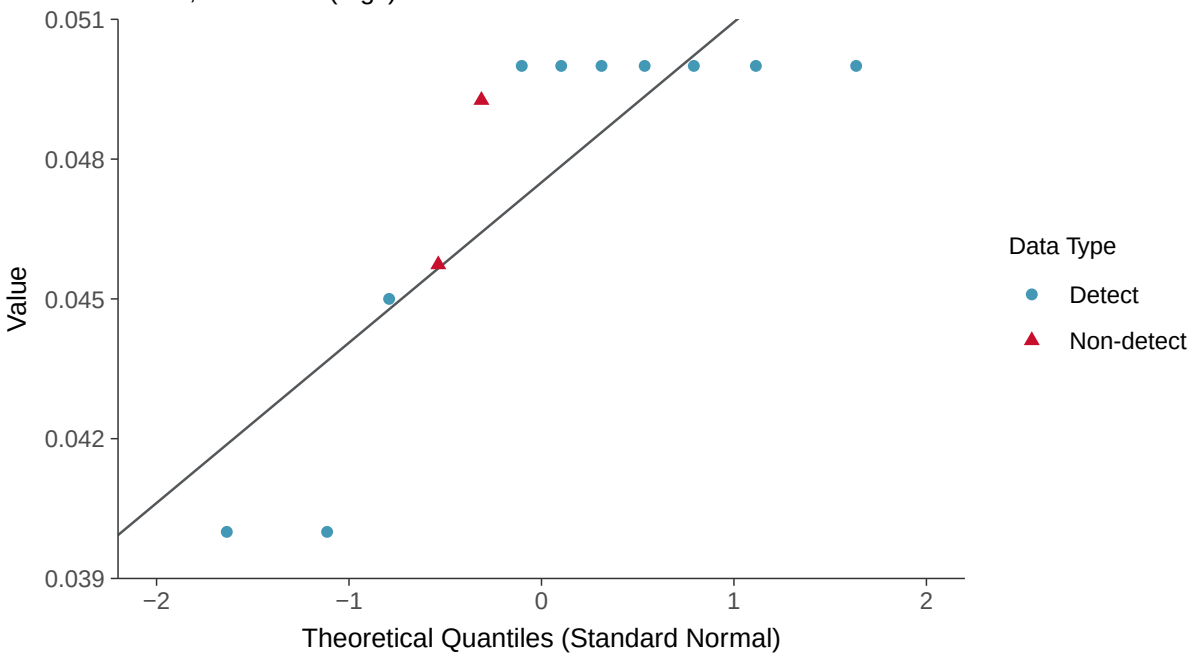
Boxplot by Season

Boron, MW-100A (mg/l)



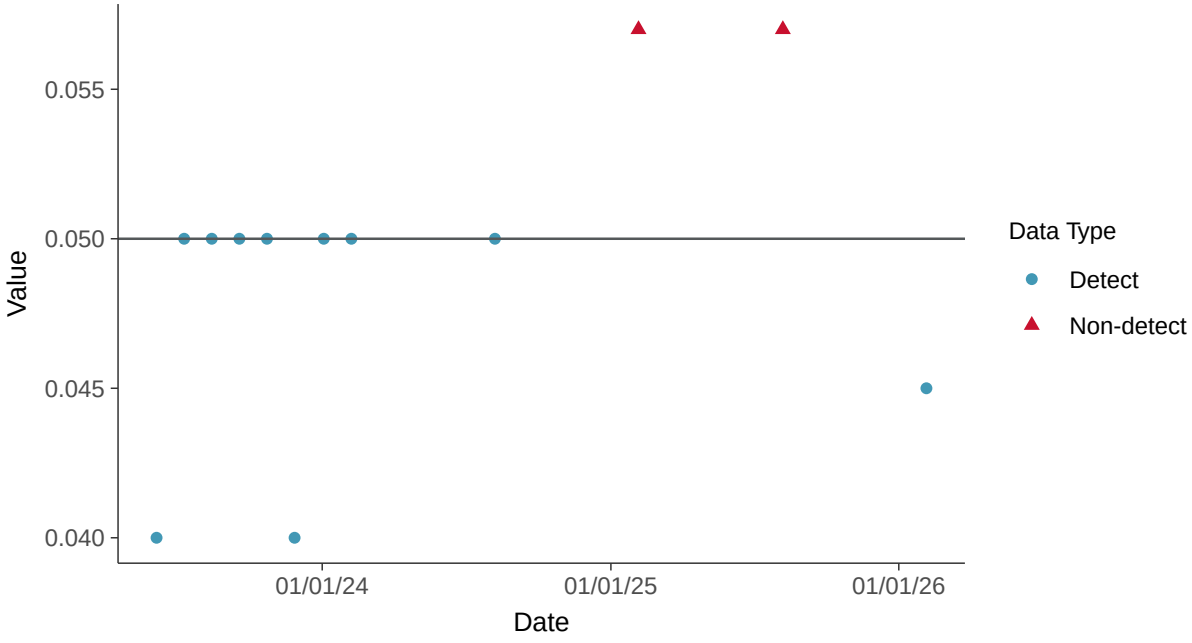
Normal Q-Q plot using ROS Imputed Estimates

Boron, MW-100A (mg/l)



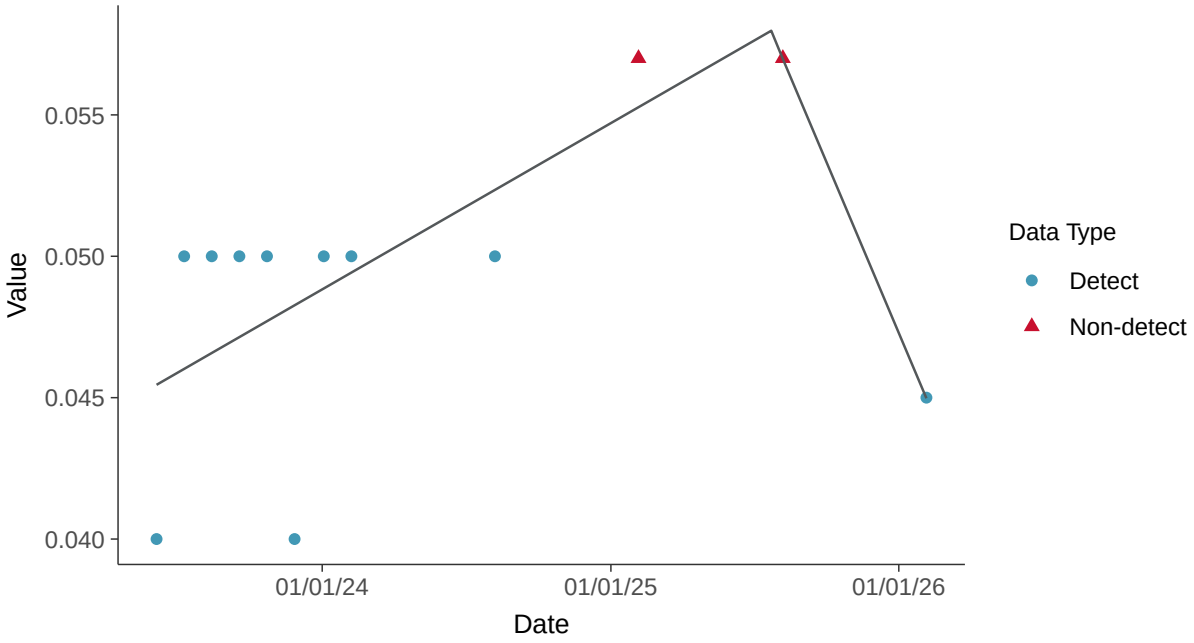
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Boron, MW-100A (mg/l)



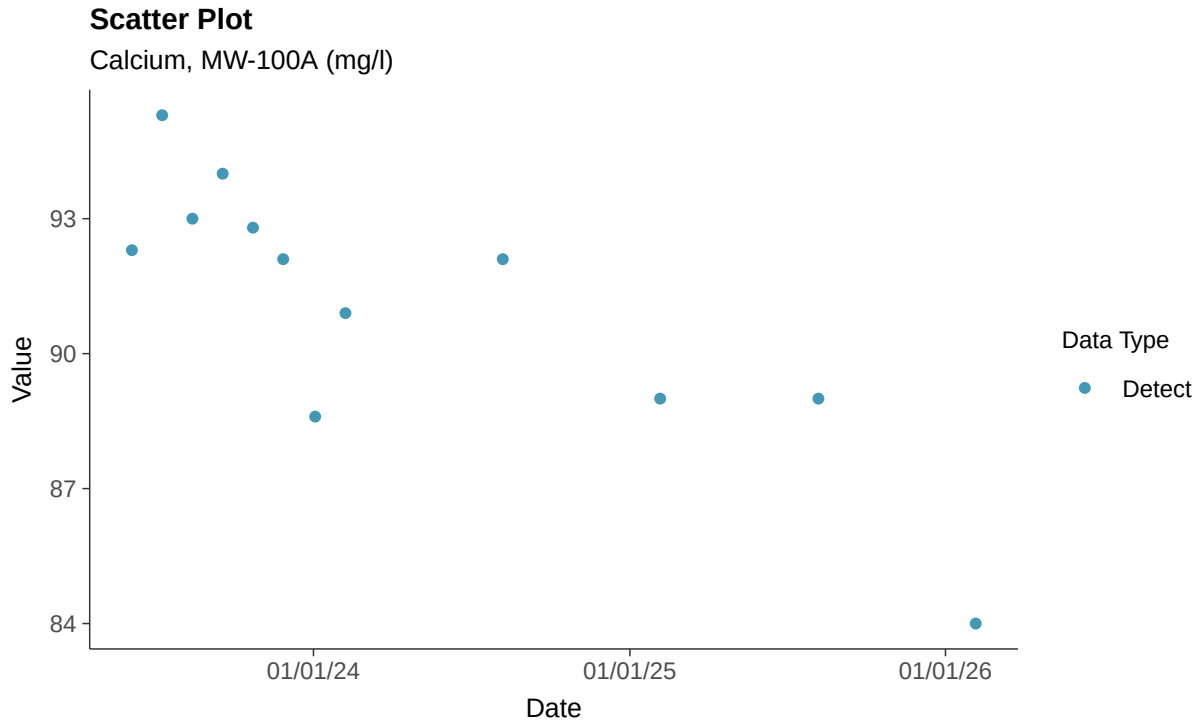
Trend Regression: Piecewise Linear-Linear

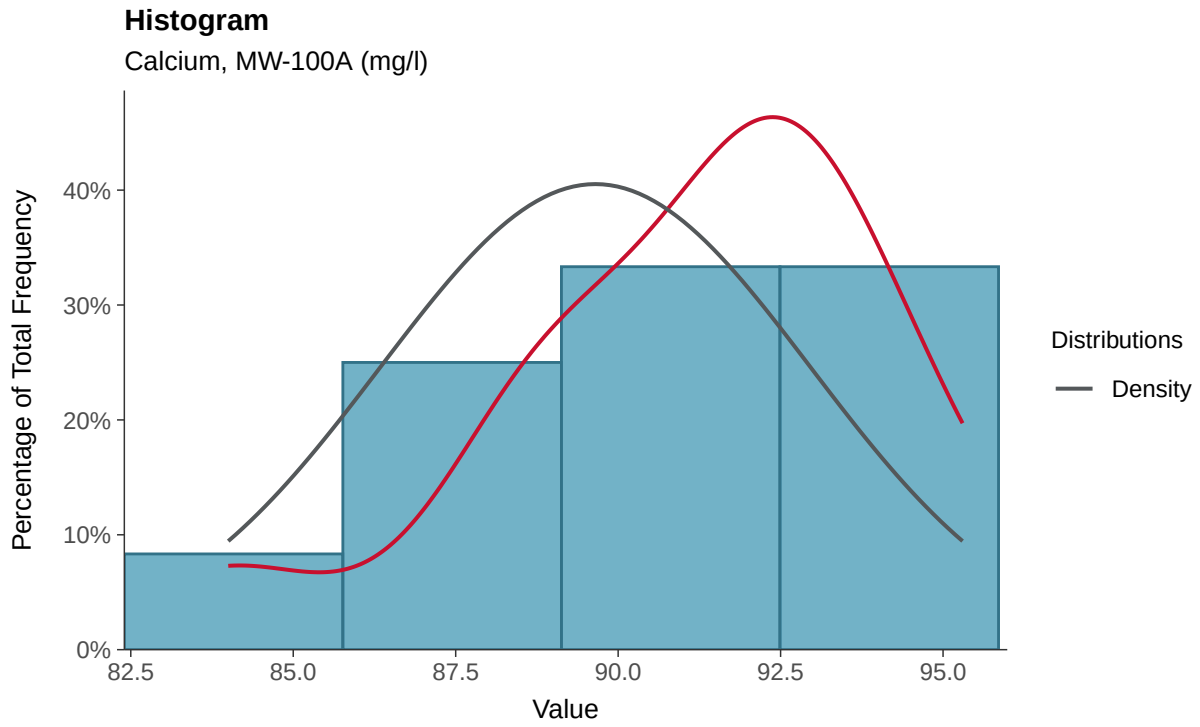
Boron, MW-100A (mg/l)



Appendix III: Calcium, MW-100A

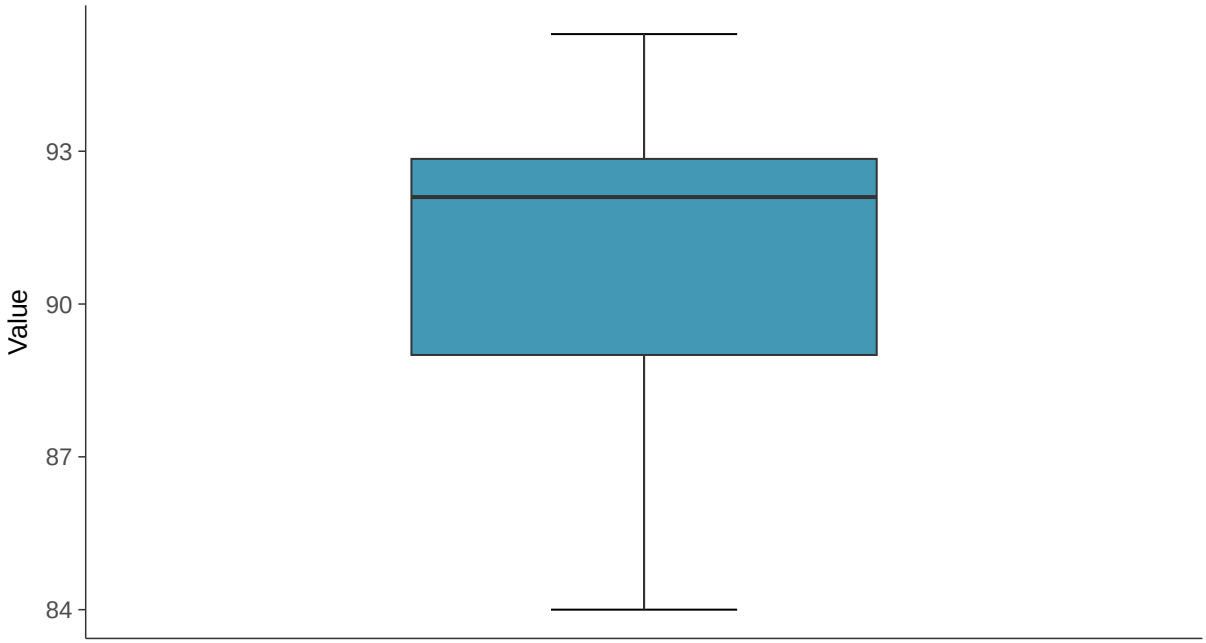
ID: 32_2_107





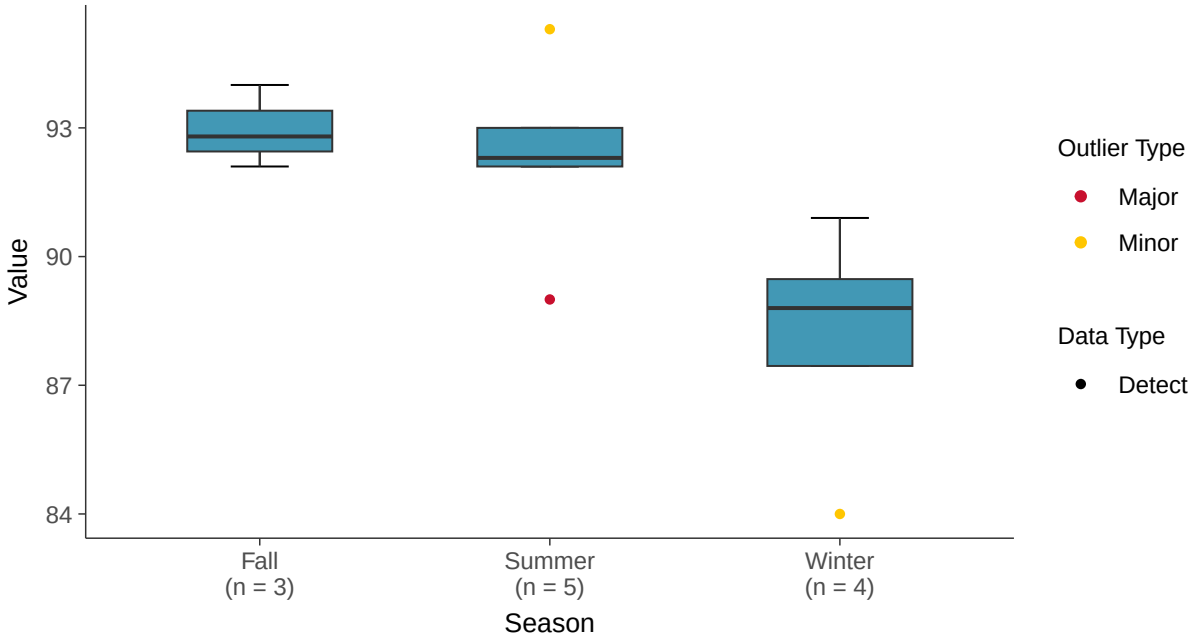
Boxplot

Calcium, MW-100A (mg/l)



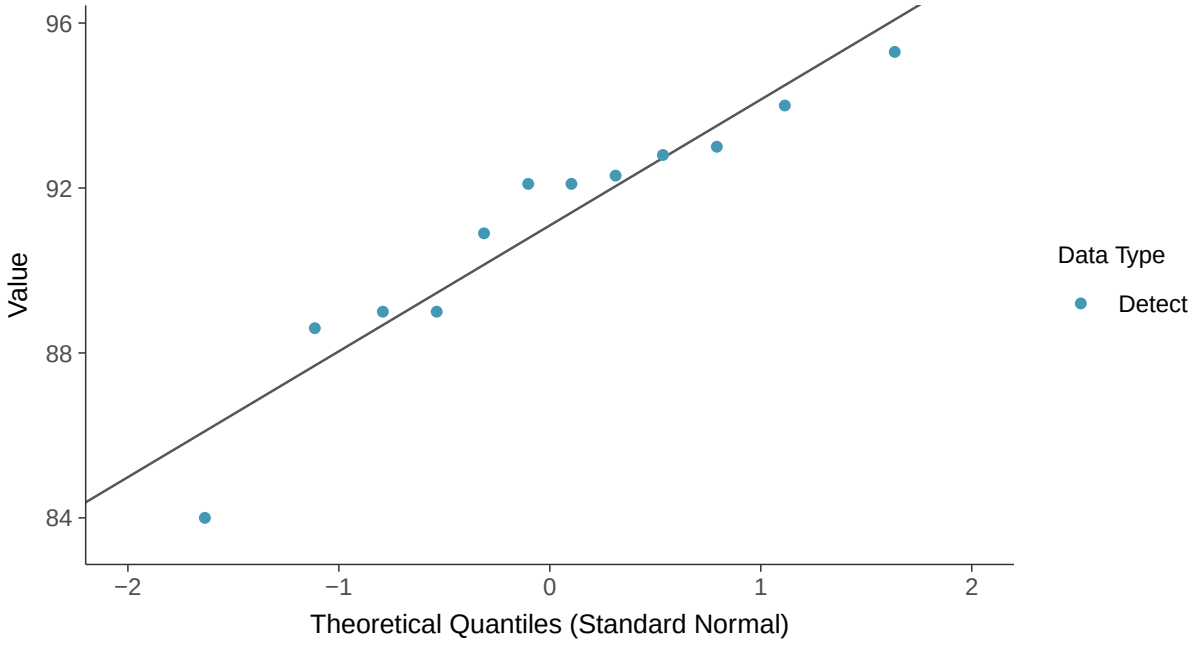
Boxplot by Season

Calcium, MW-100A (mg/l)



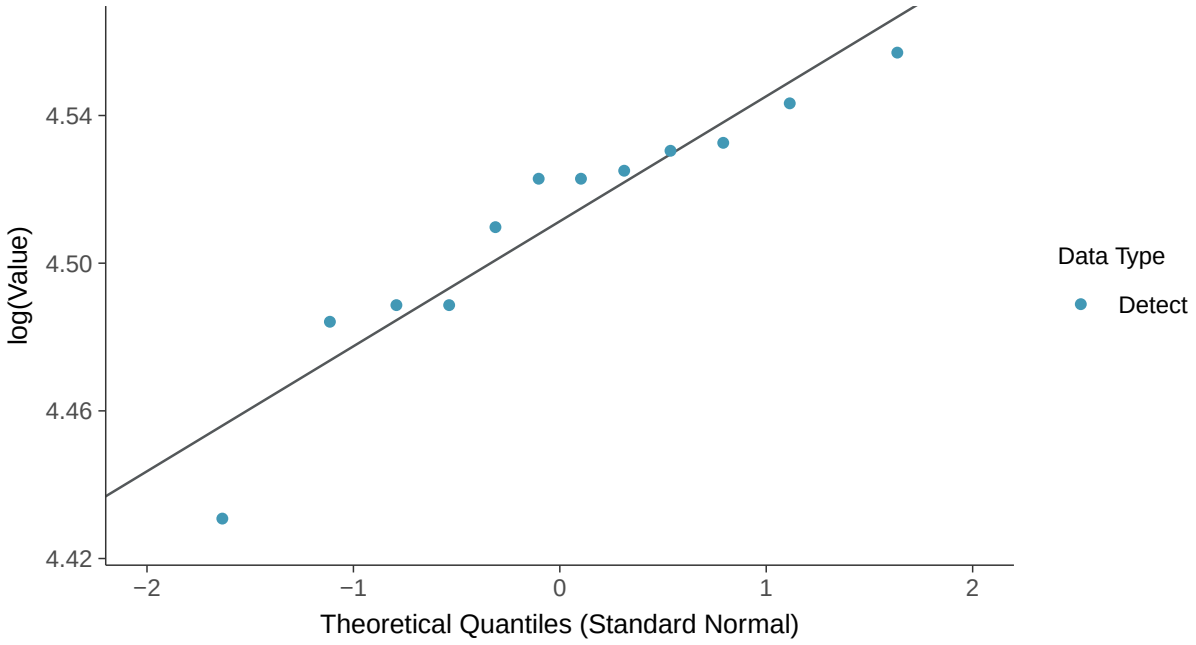
Normal Q-Q plot

Calcium, MW-100A (mg/l)



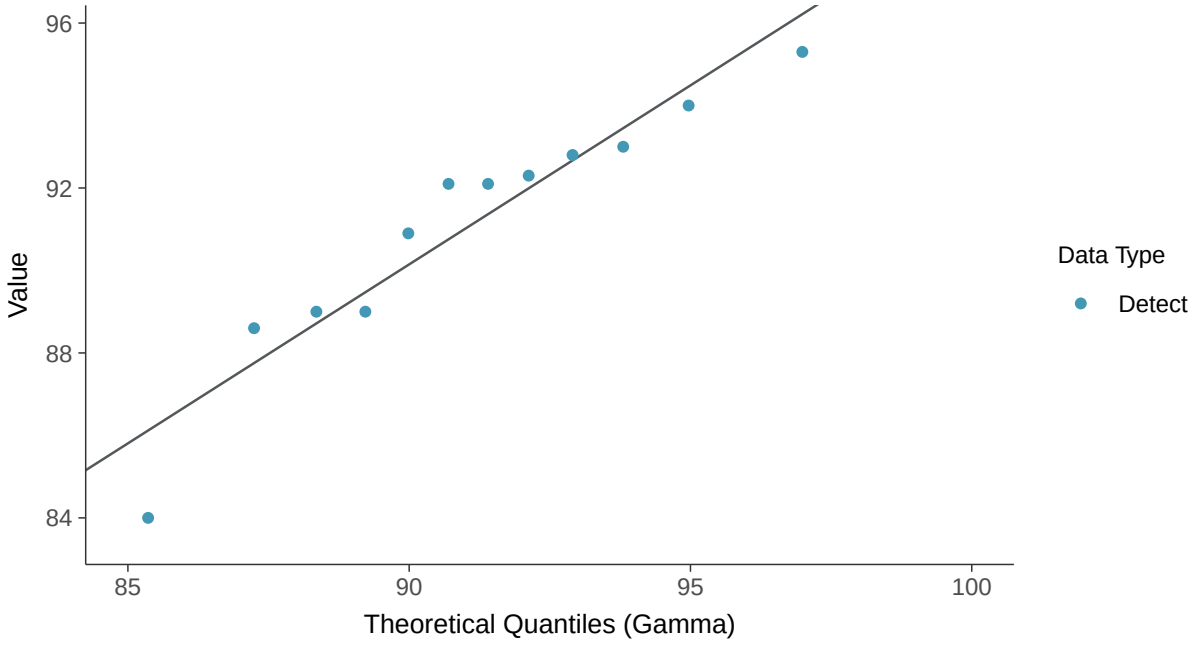
Lognormal Q-Q plot

Calcium, MW-100A (mg/l)



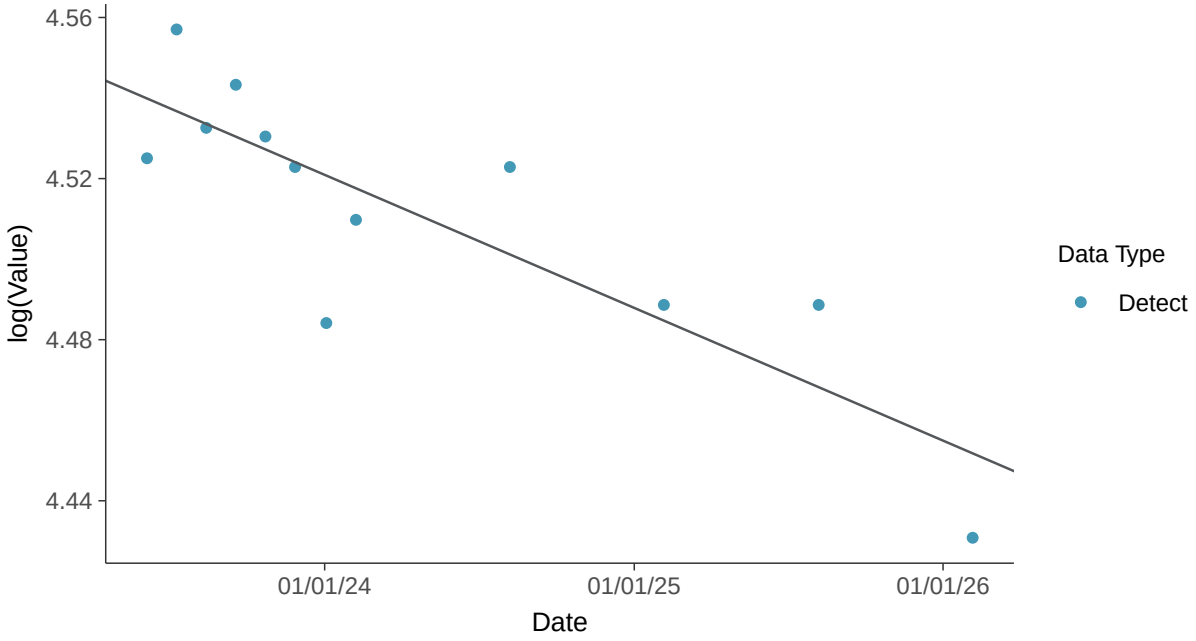
Gamma Q-Q plot

Calcium, MW-100A (mg/l)



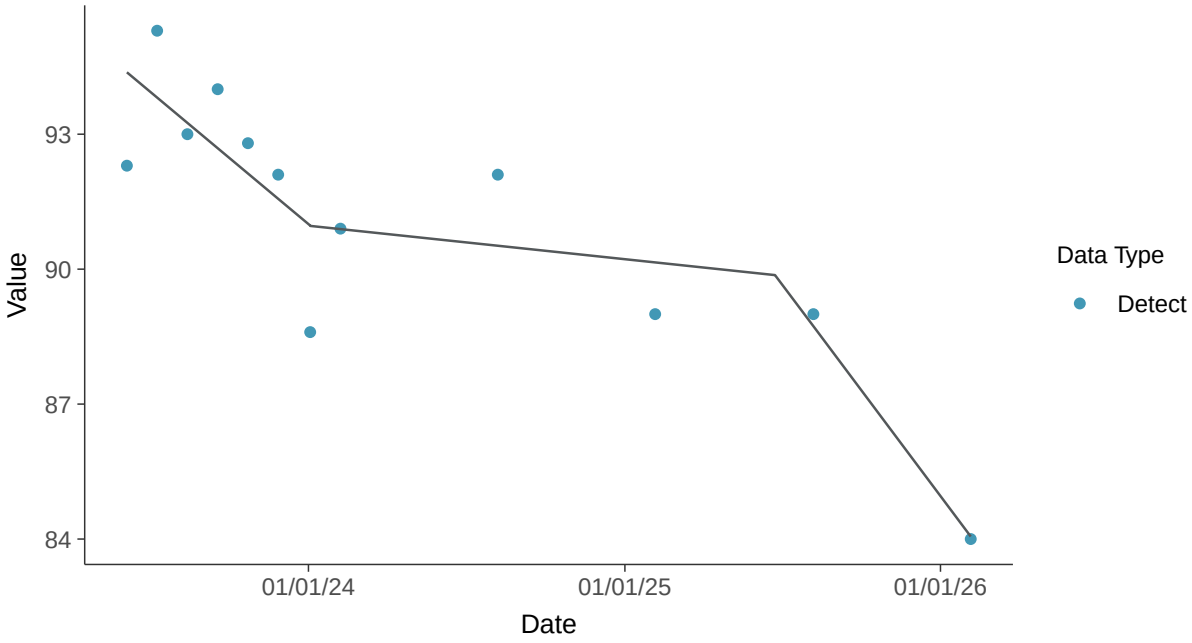
Trend Regression: Lognormal MLE

Calcium, MW-100A (mg/l)



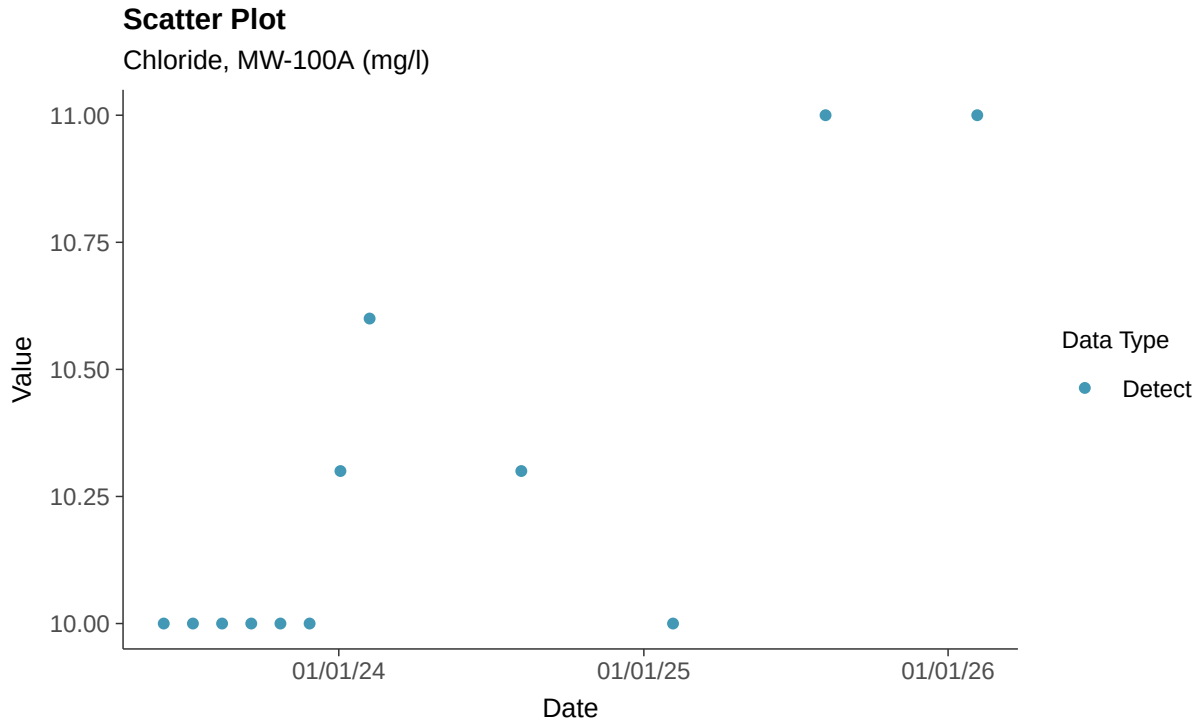
Trend Regression: Piecewise Linear-Linear-Linear

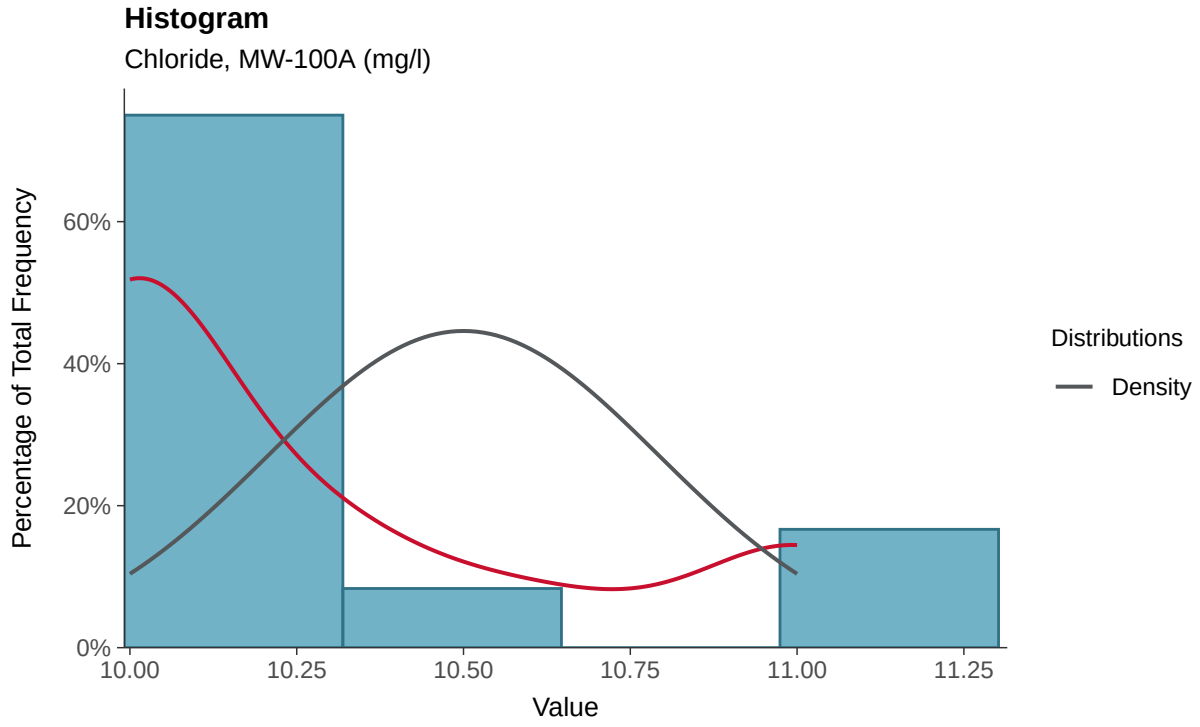
Calcium, MW-100A (mg/l)



Appendix III: Chloride, MW-100A

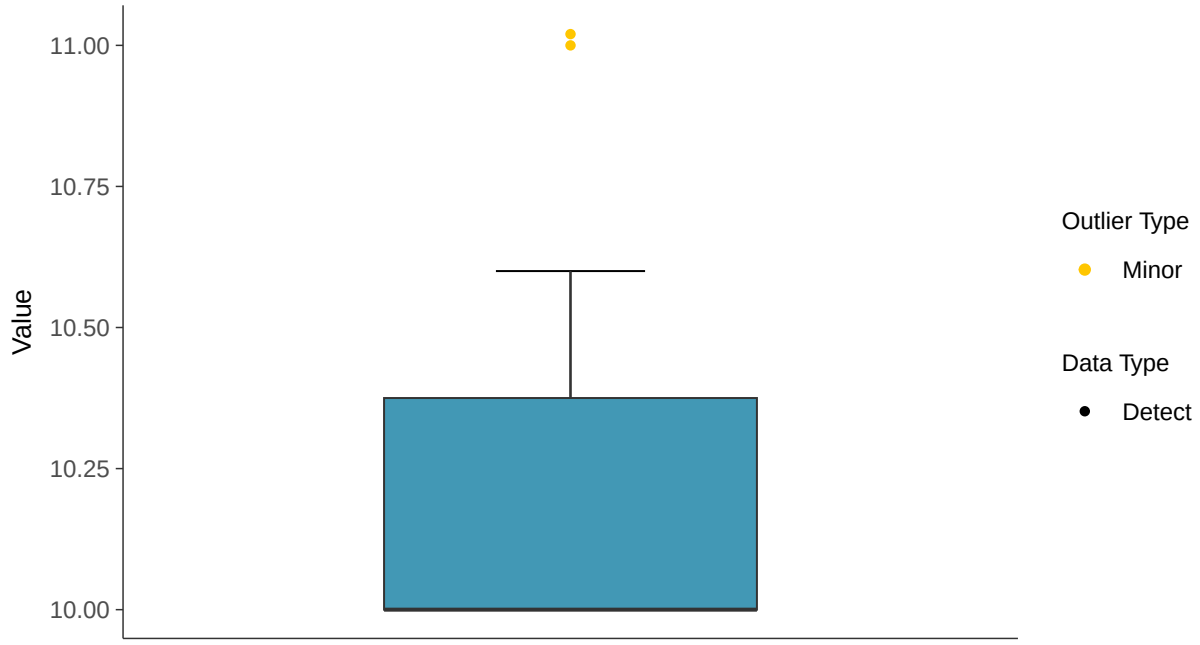
ID: 32_2_108





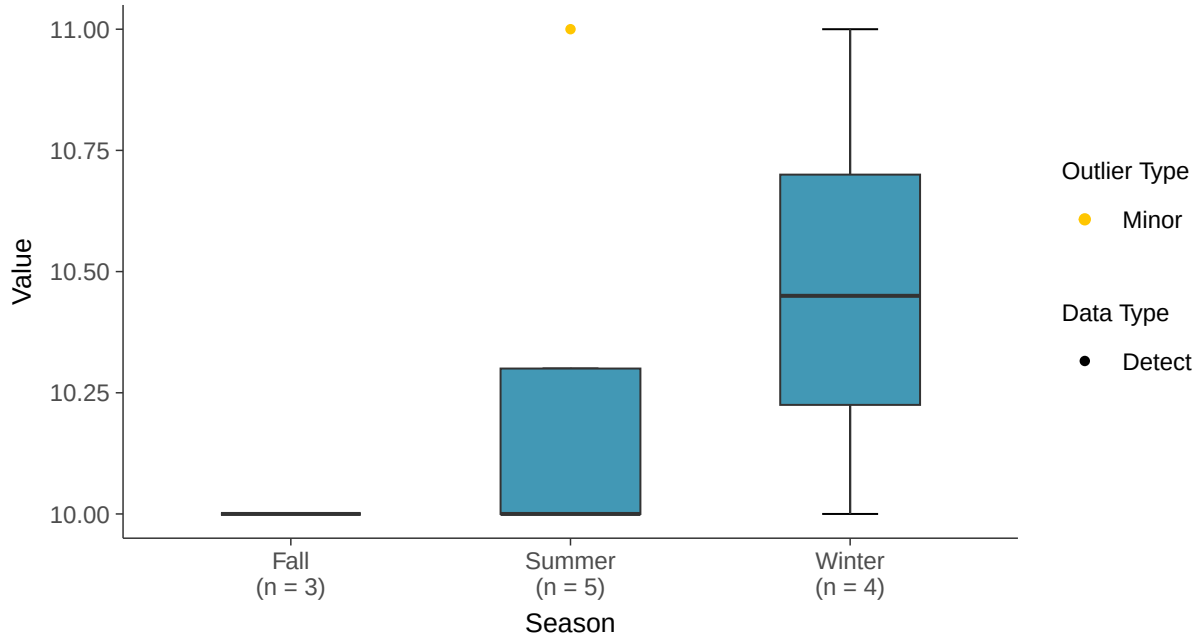
Boxplot

Chloride, MW-100A (mg/l)



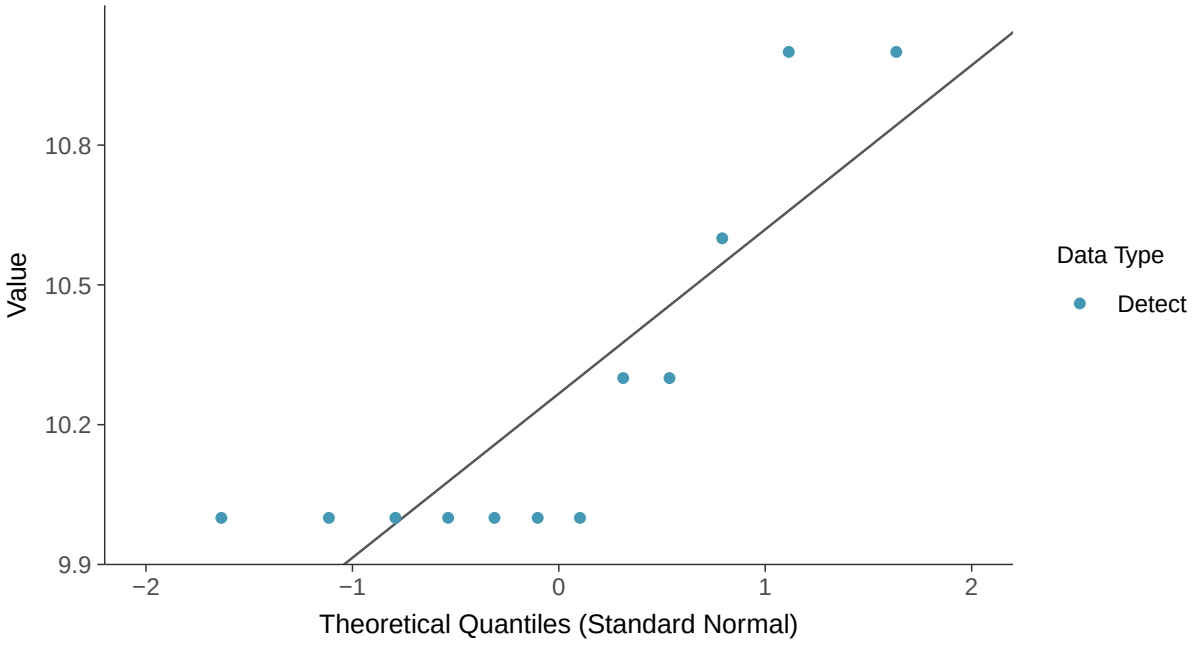
Boxplot by Season

Chloride, MW-100A (mg/l)



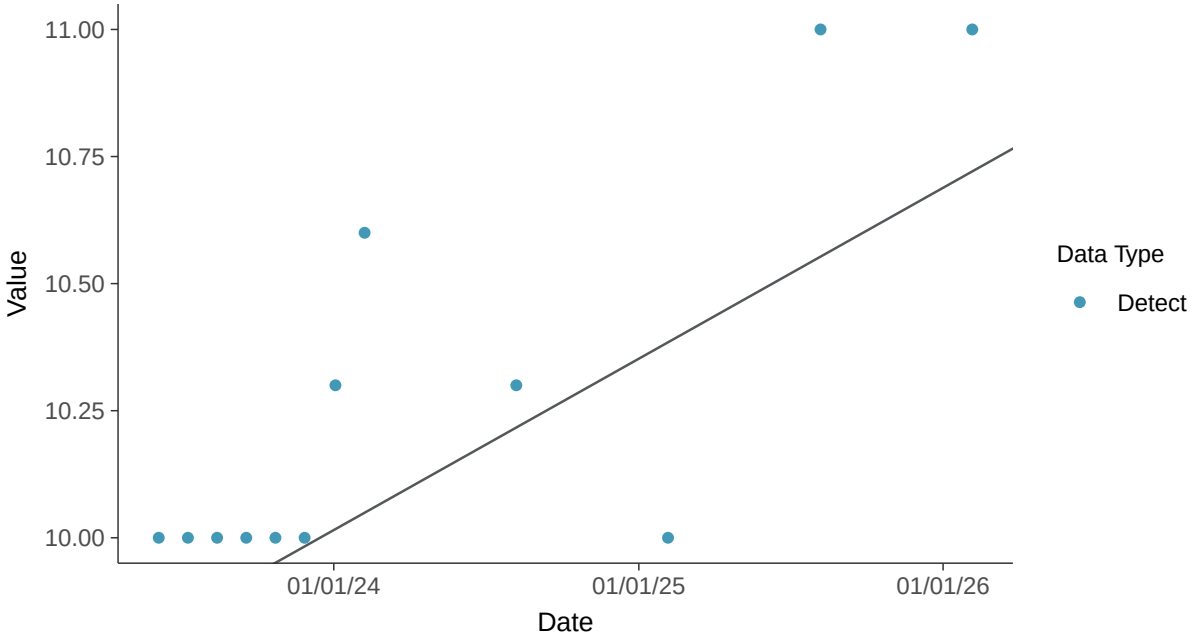
Normal Q-Q plot

Chloride, MW-100A (mg/l)



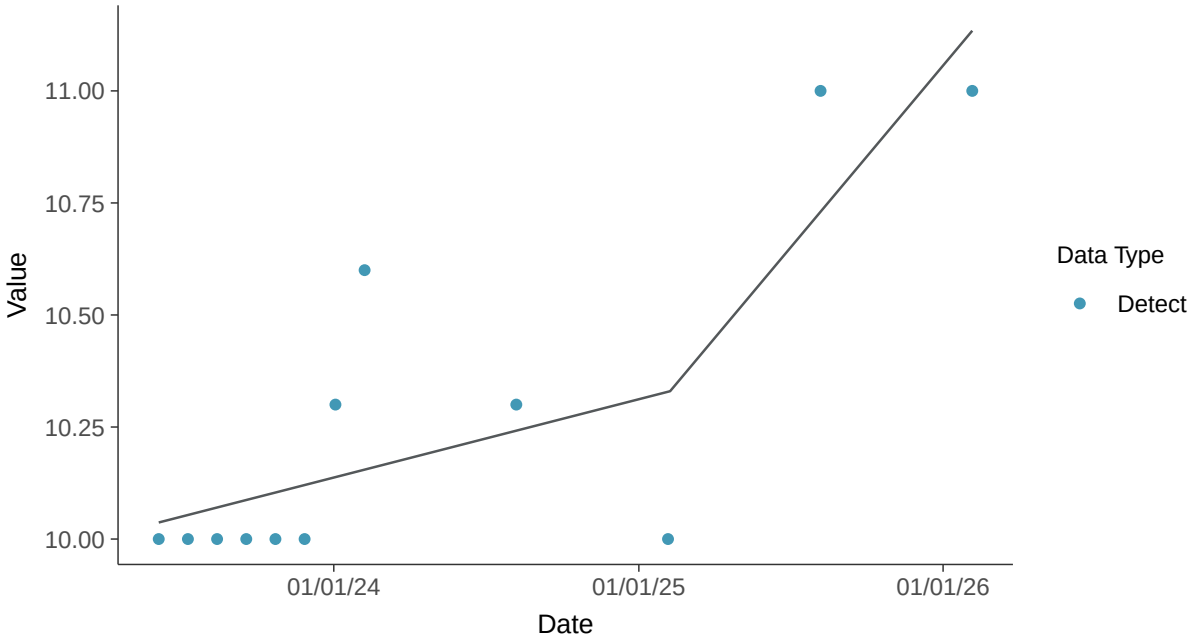
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Chloride, MW-100A (mg/l)



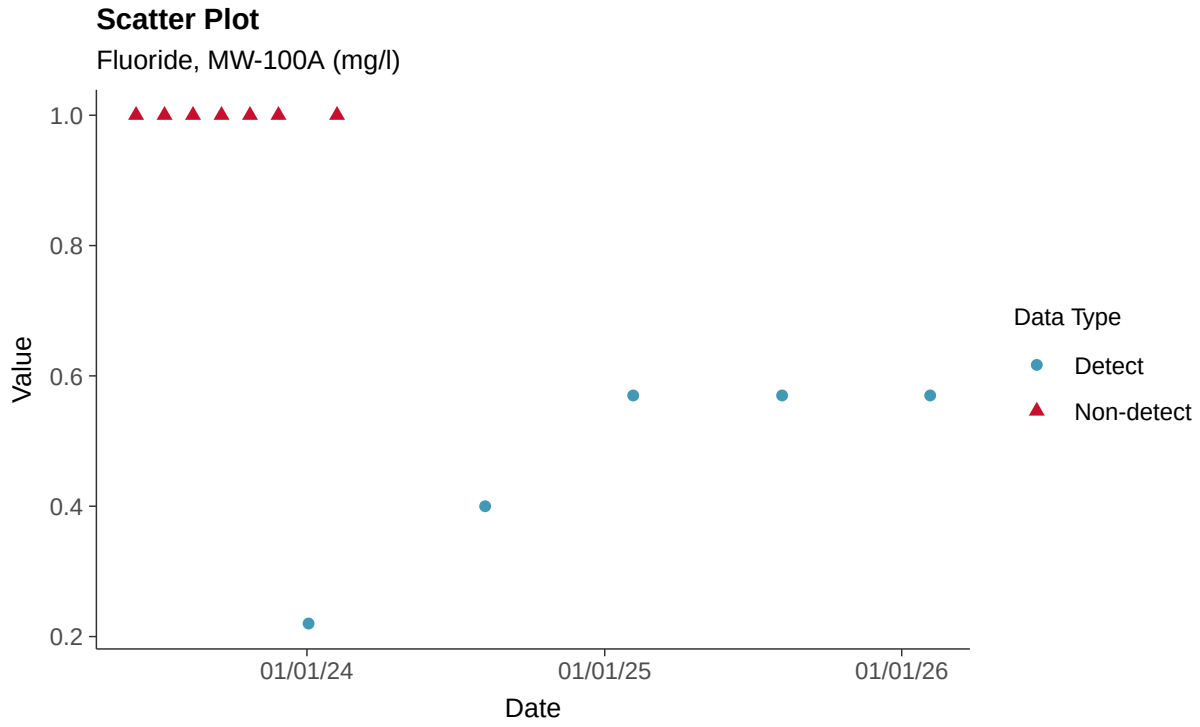
Trend Regression: Piecewise Linear-Linear

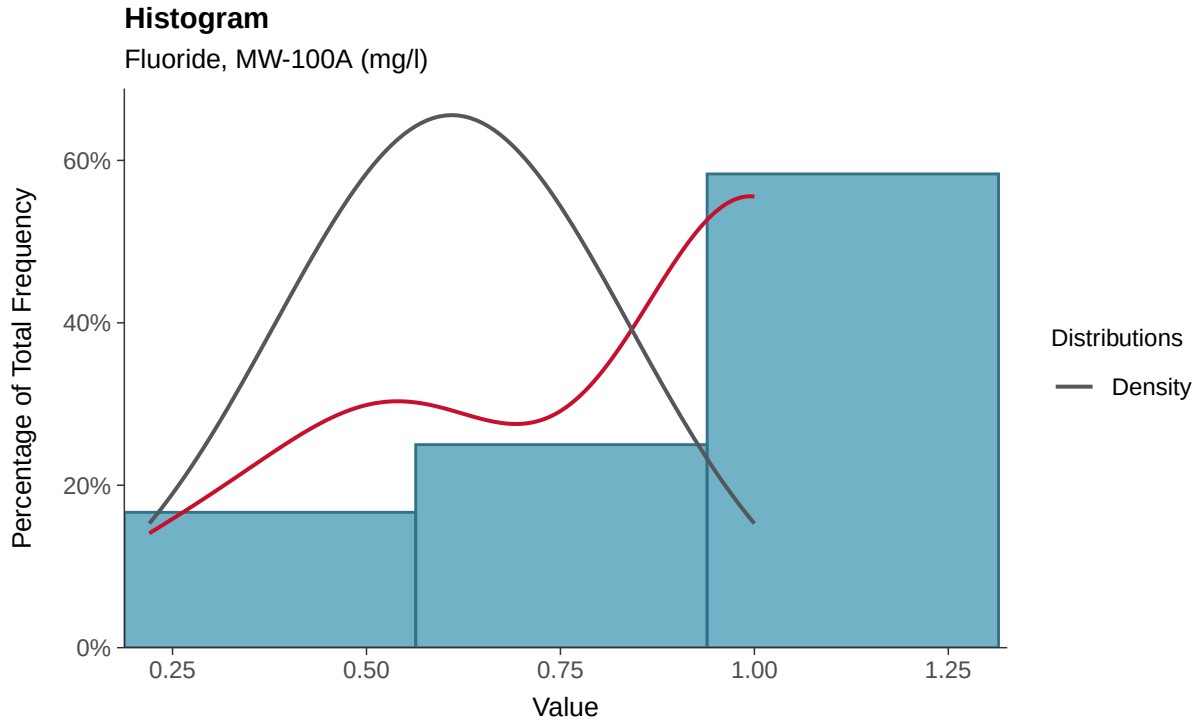
Chloride, MW-100A (mg/l)



Appendix III: Fluoride, MW-100A

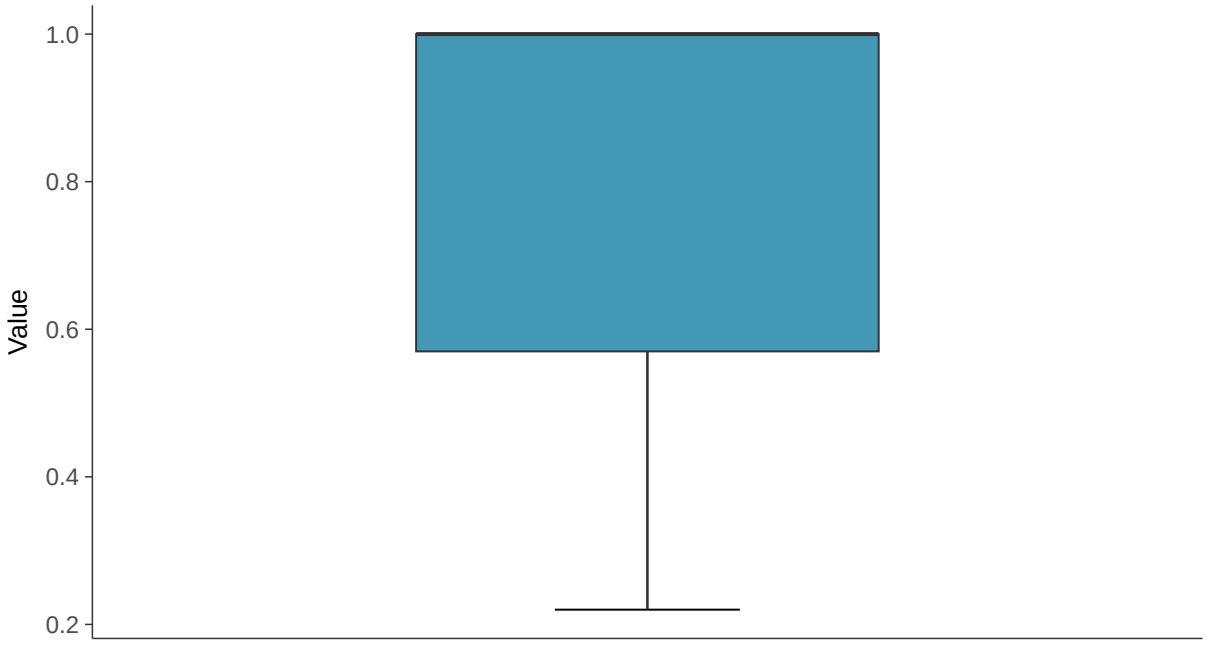
ID: 32_2_112





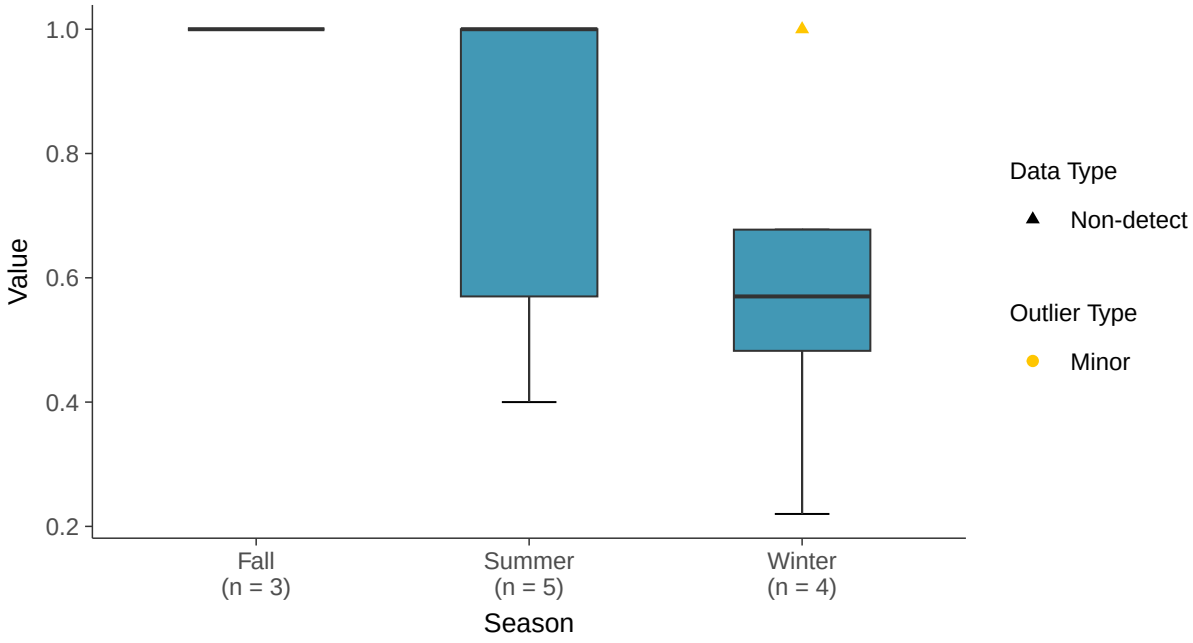
Boxplot

Fluoride, MW-100A (mg/l)



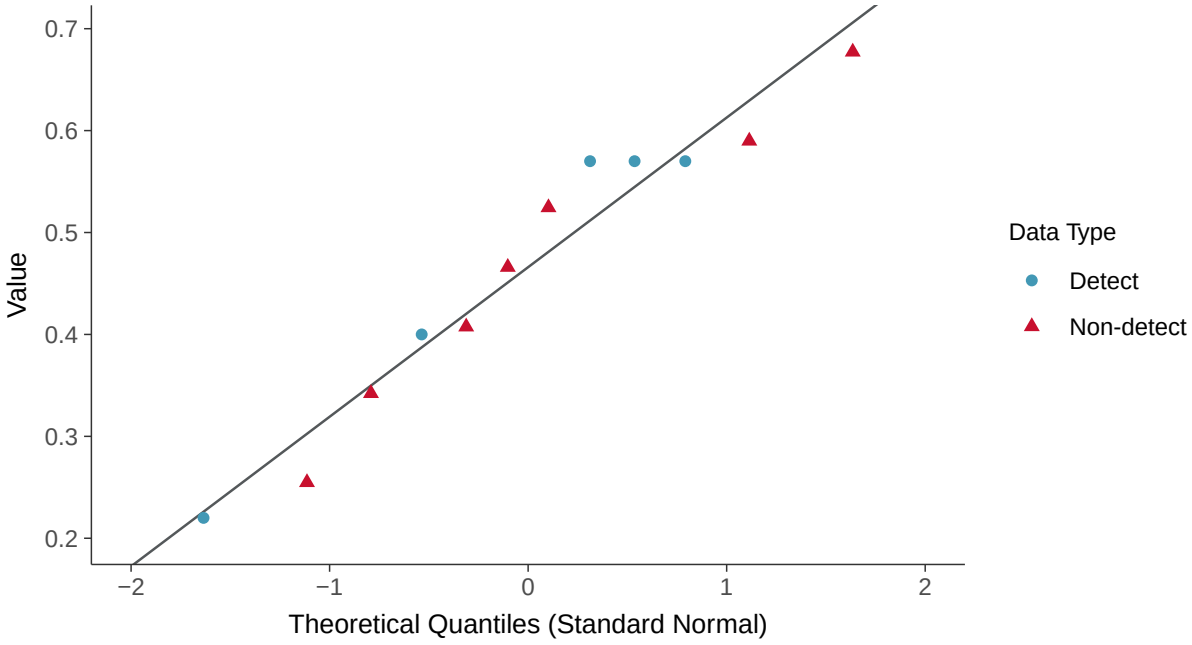
Boxplot by Season

Fluoride, MW-100A (mg/l)



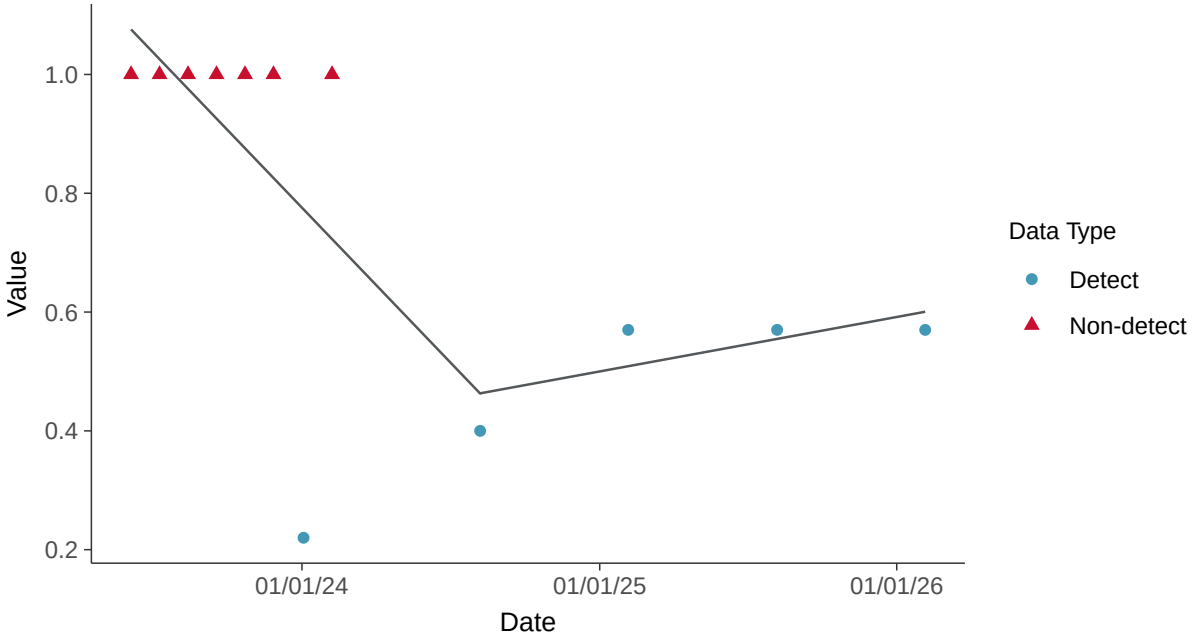
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-100A (mg/l)



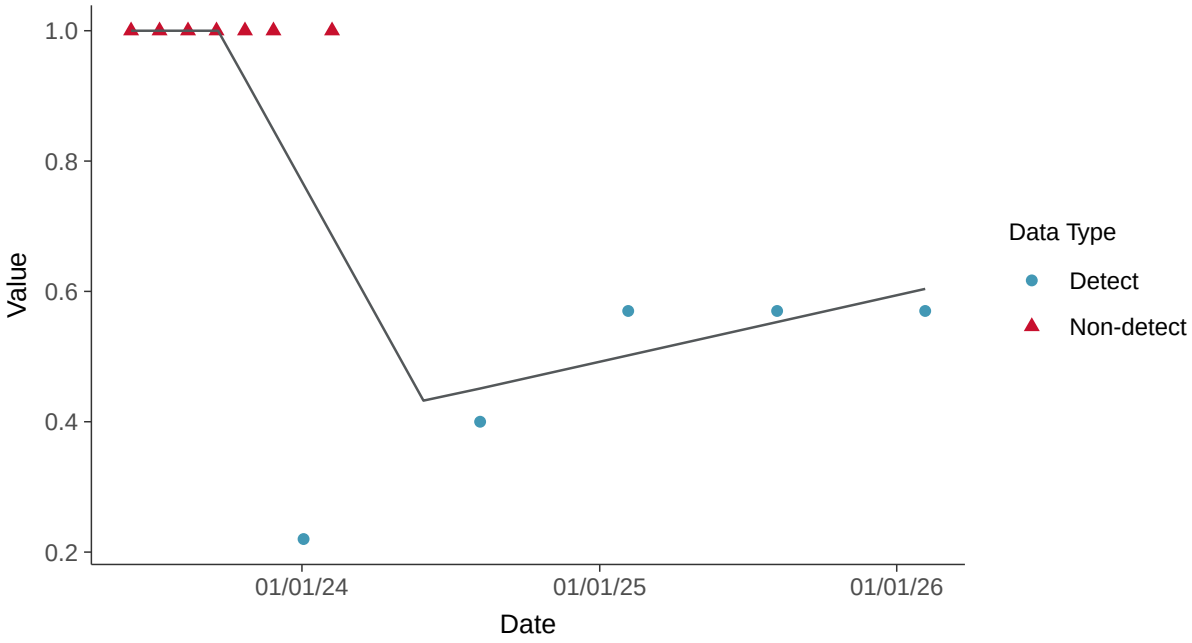
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-100A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Fluoride, MW-100A (mg/l)

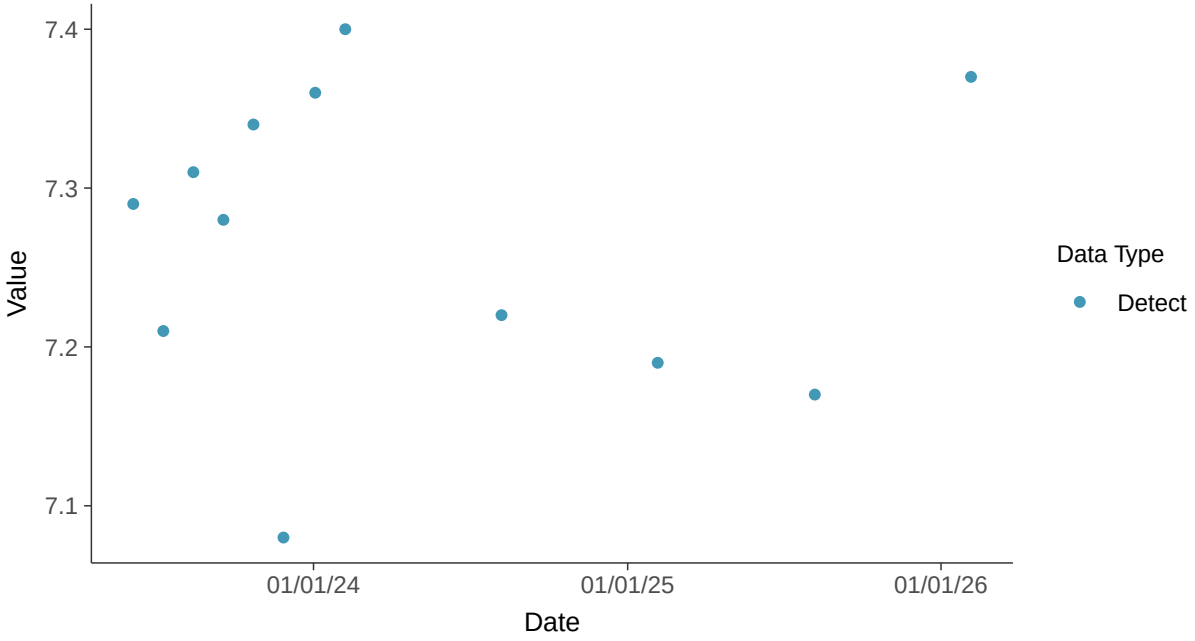


Appendix III: pH, Field, MW-100A

ID: 32_2_120

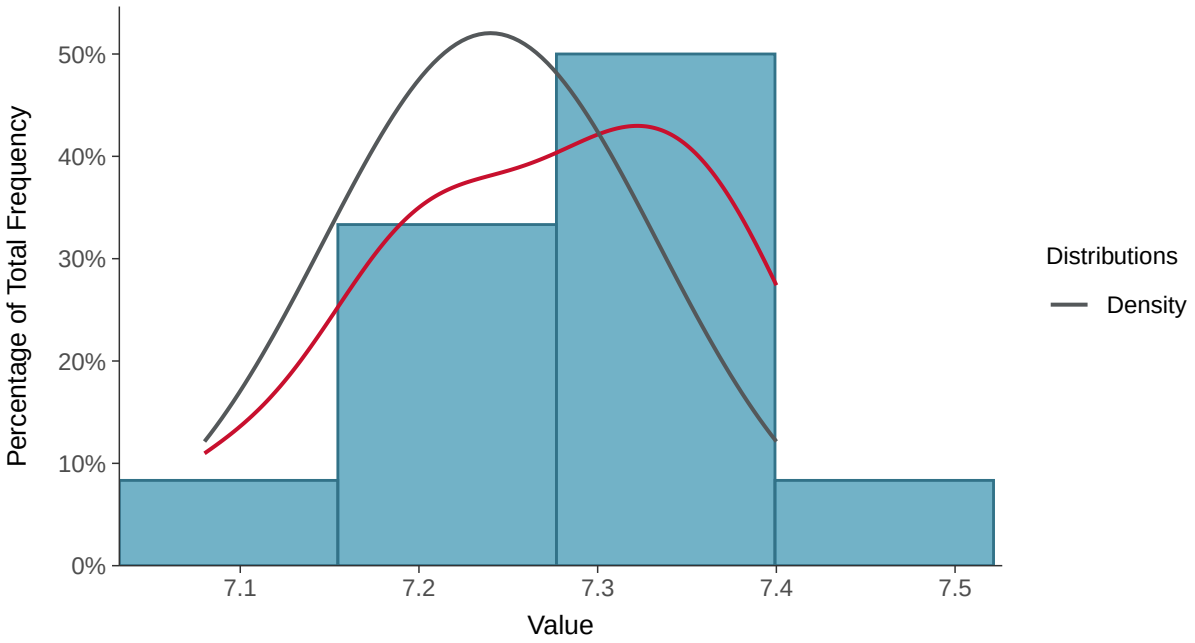
Scatter Plot

pH, Field, MW-100A (su)



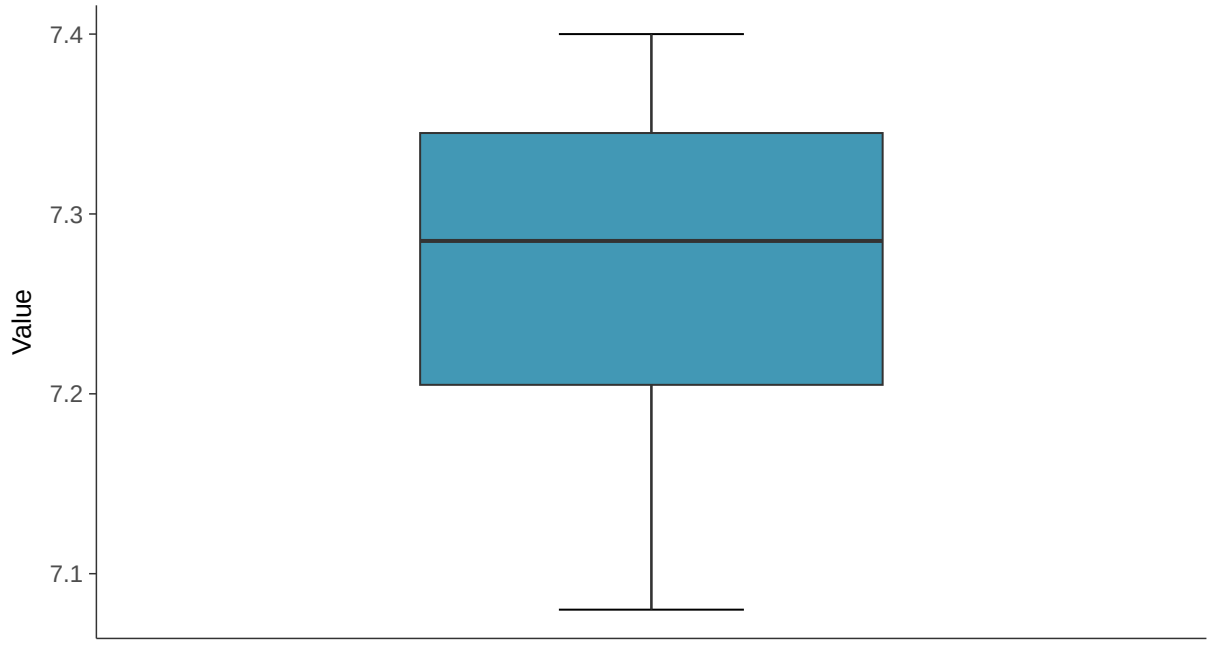
Histogram

pH, Field, MW-100A (su)



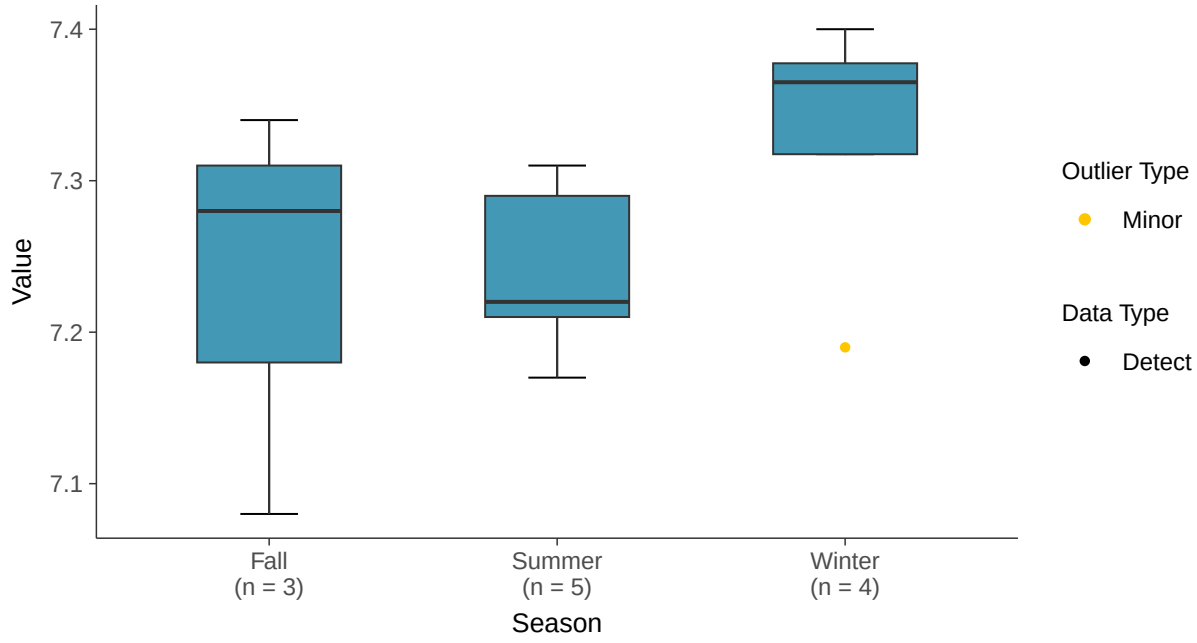
Boxplot

pH, Field, MW-100A (su)



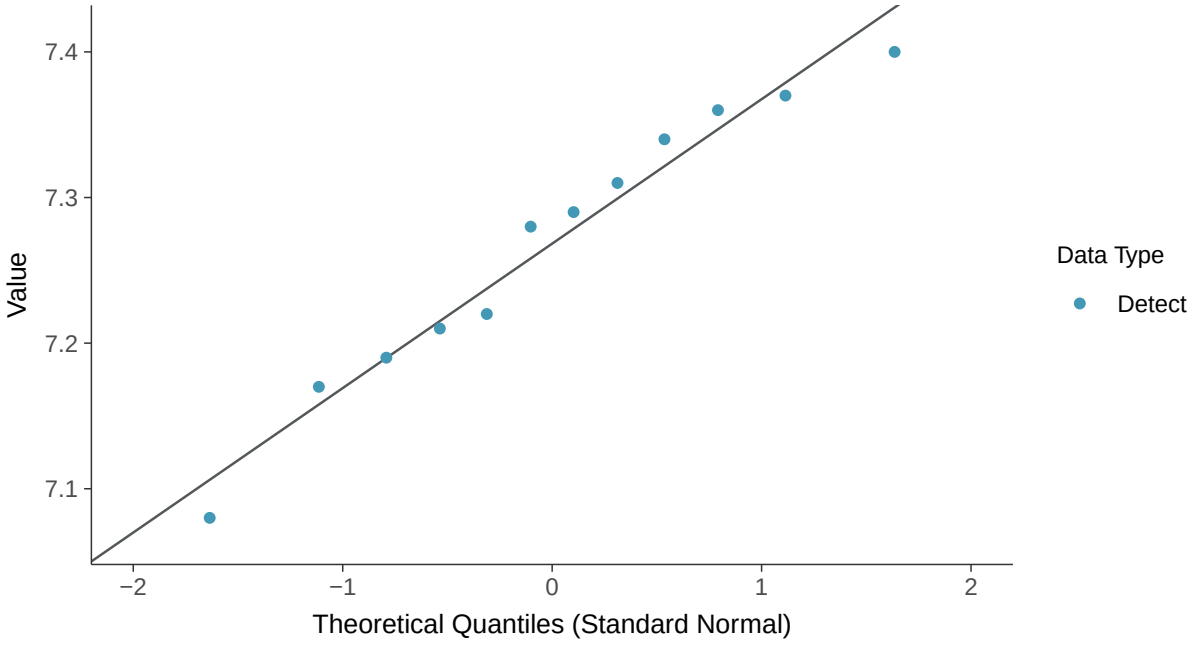
Boxplot by Season

pH, Field, MW-100A (su)



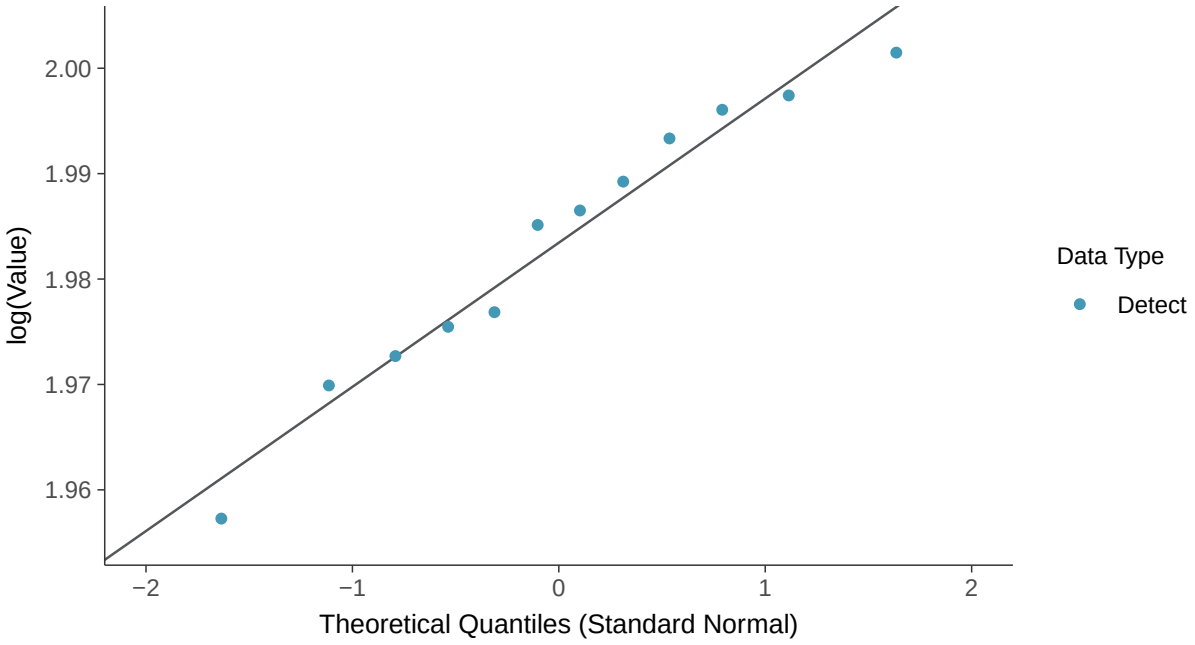
Normal Q-Q plot

pH, Field, MW-100A (su)



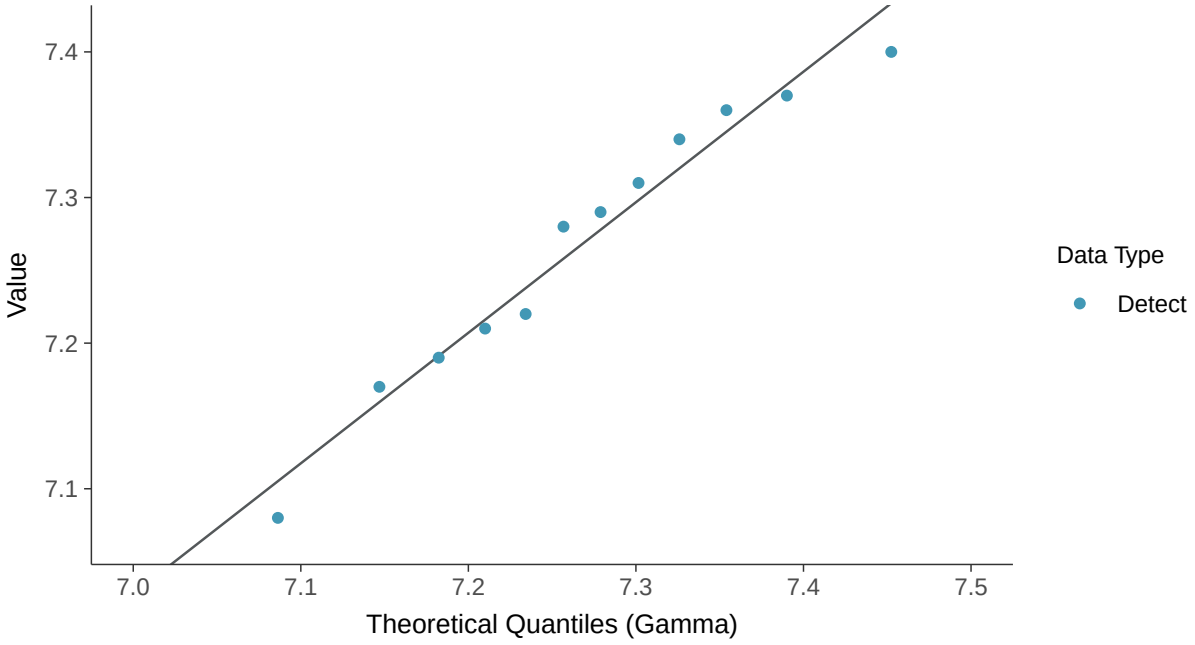
Lognormal Q-Q plot

pH, Field, MW-100A (su)



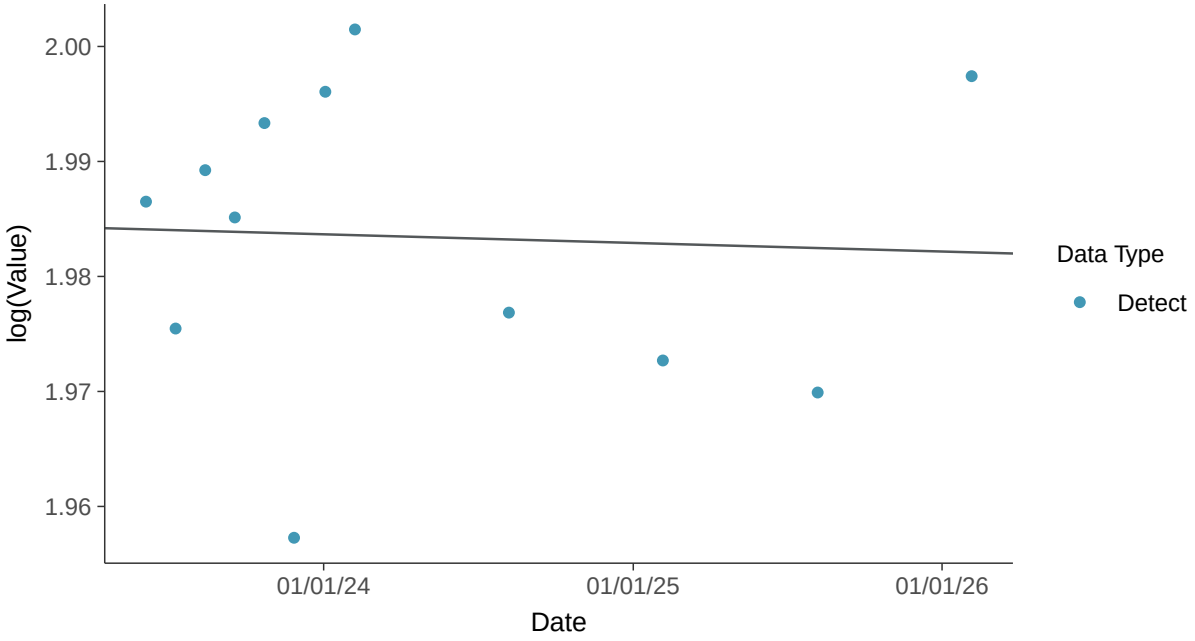
Gamma Q-Q plot

pH, Field, MW-100A (su)



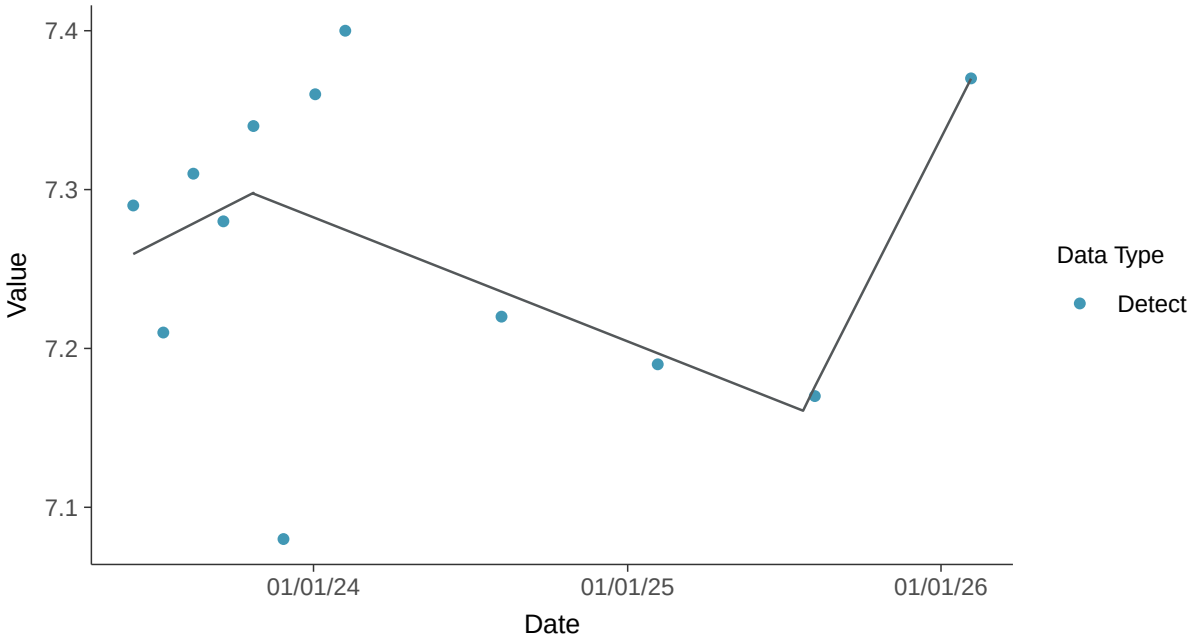
Trend Regression: Lognormal MLE

pH, Field, MW-100A (su)



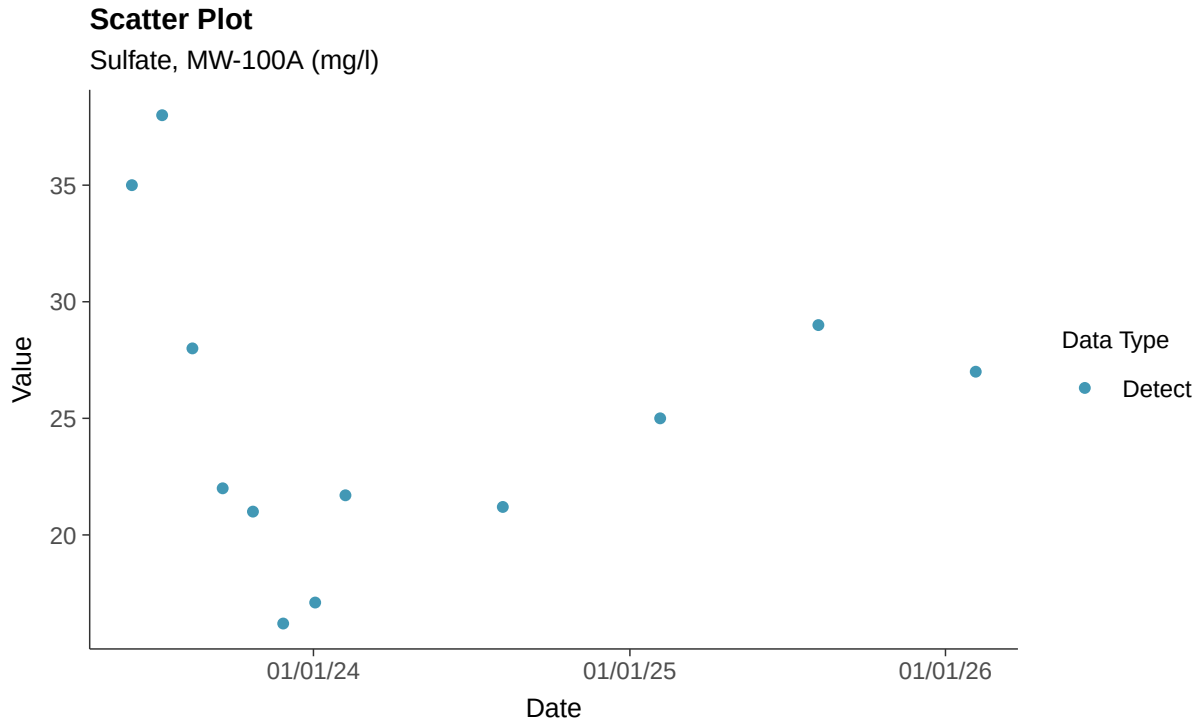
Trend Regression: Piecewise Linear-Linear-Linear

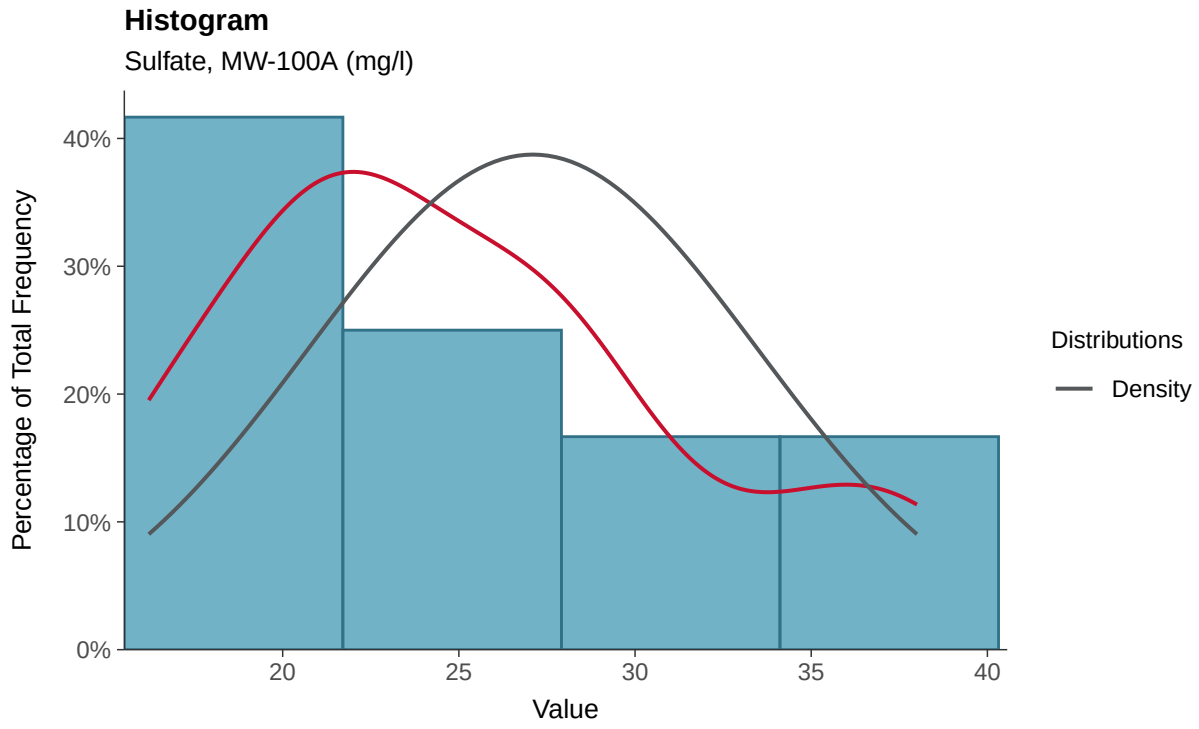
pH, Field, MW-100A (su)



Appendix III: Sulfate, MW-100A

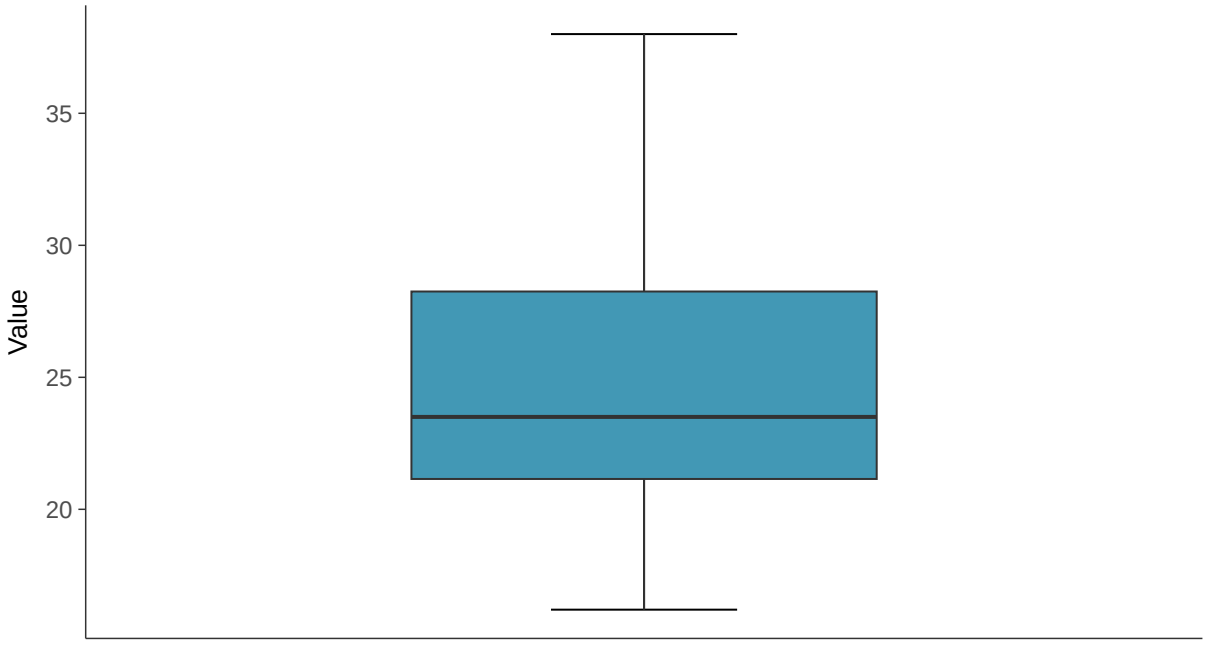
ID: 32_2_124





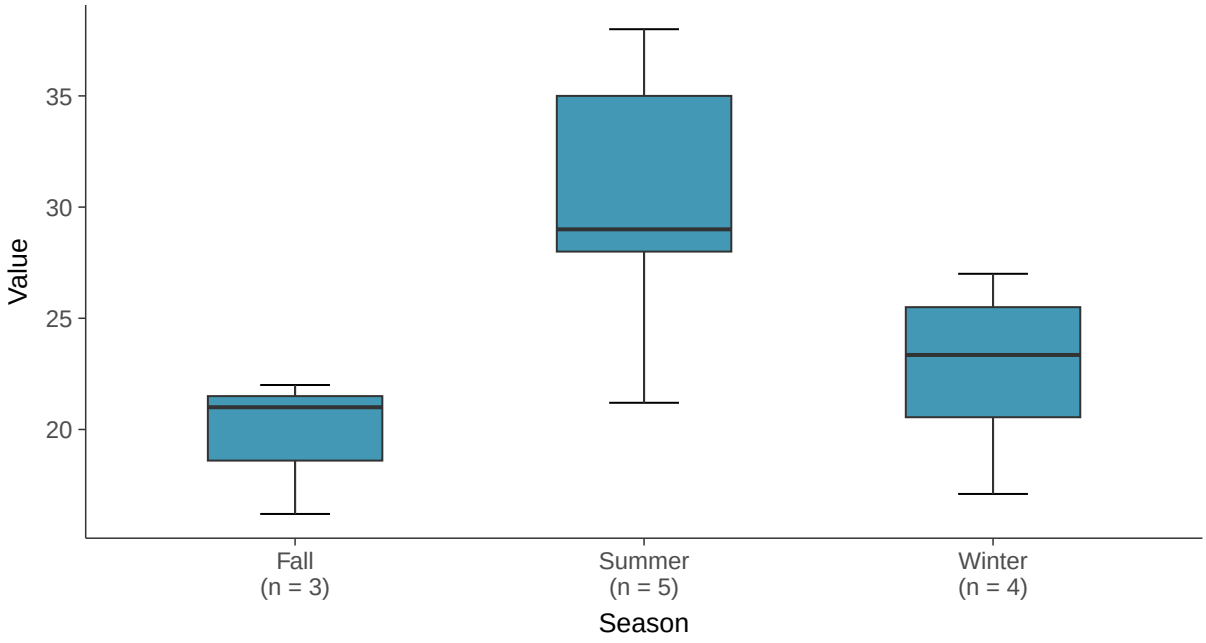
Boxplot

Sulfate, MW-100A (mg/l)



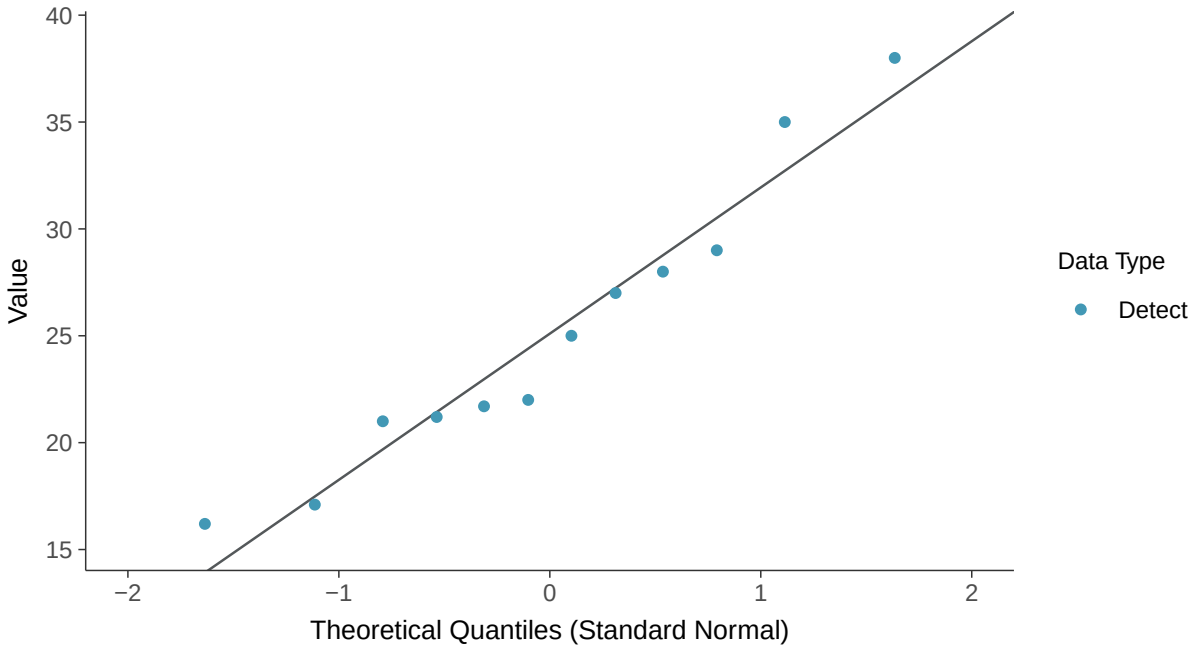
Boxplot by Season

Sulfate, MW-100A (mg/l)



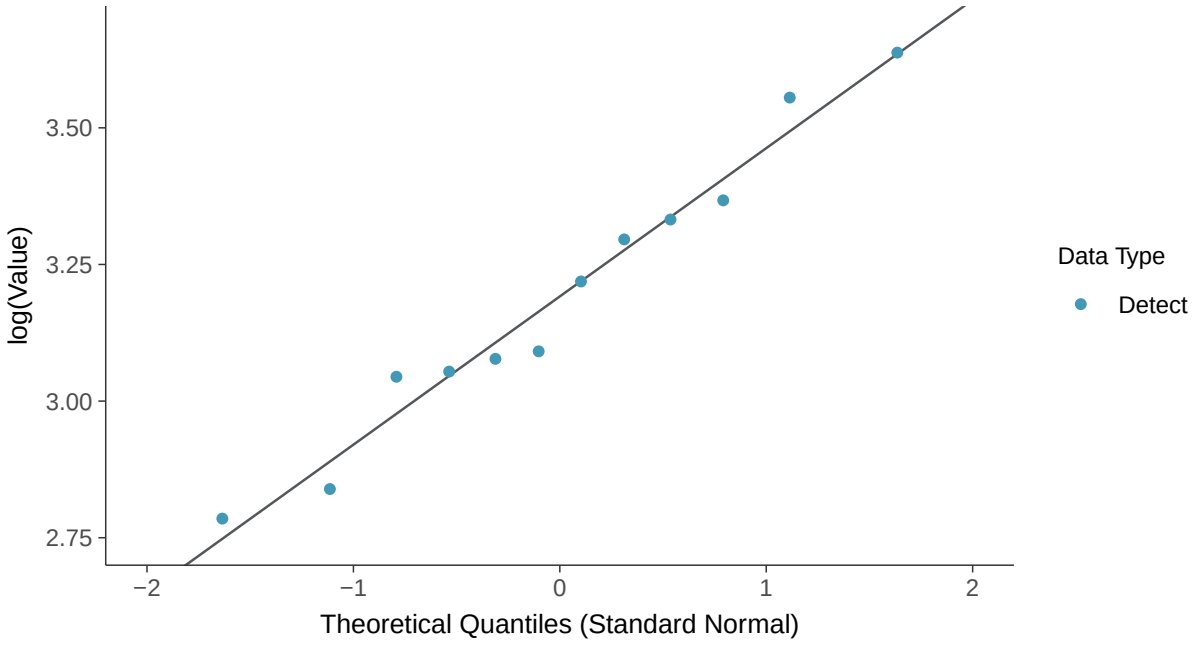
Normal Q-Q plot

Sulfate, MW-100A (mg/l)



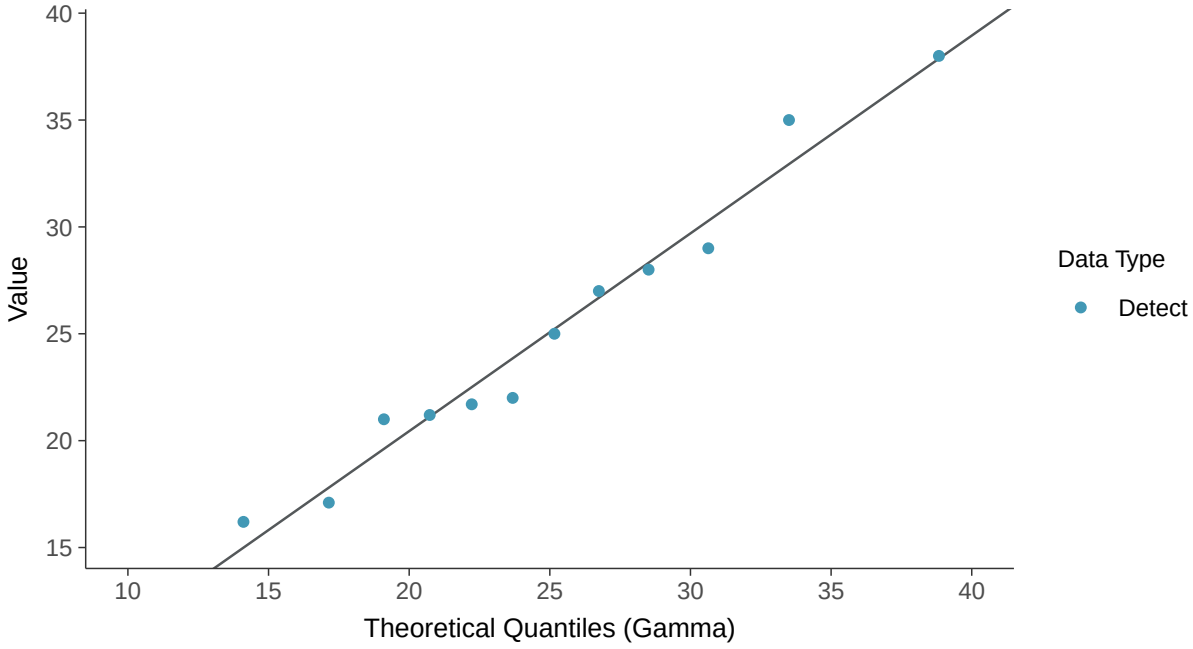
Lognormal Q-Q plot

Sulfate, MW-100A (mg/l)



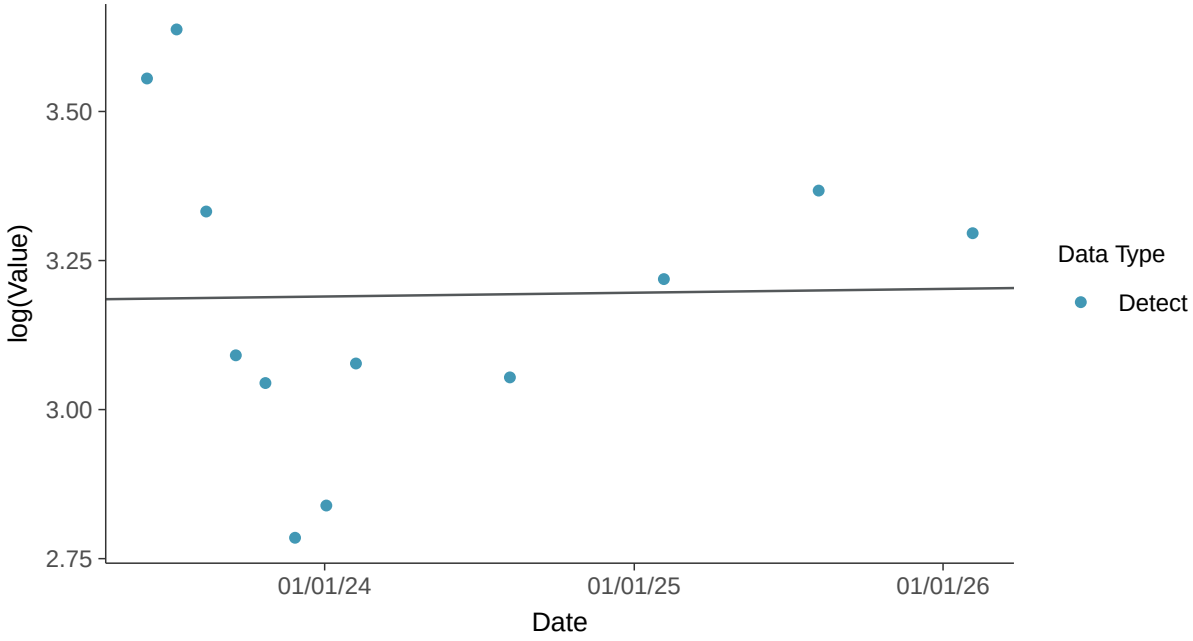
Gamma Q-Q plot

Sulfate, MW-100A (mg/l)



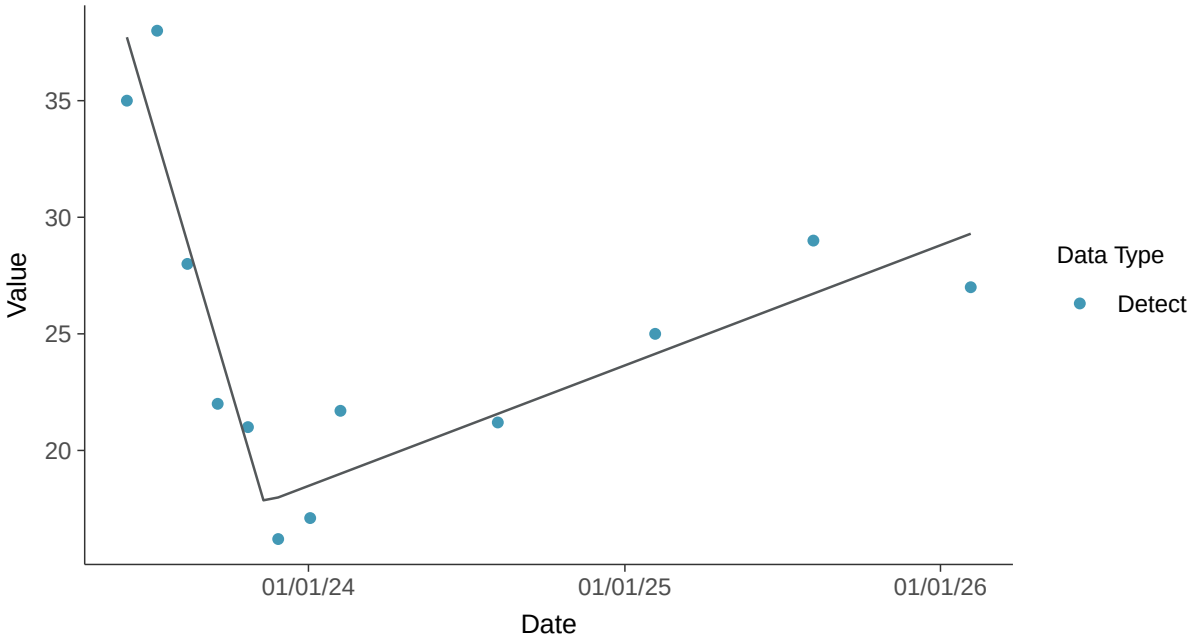
Trend Regression: Lognormal MLE

Sulfate, MW-100A (mg/l)



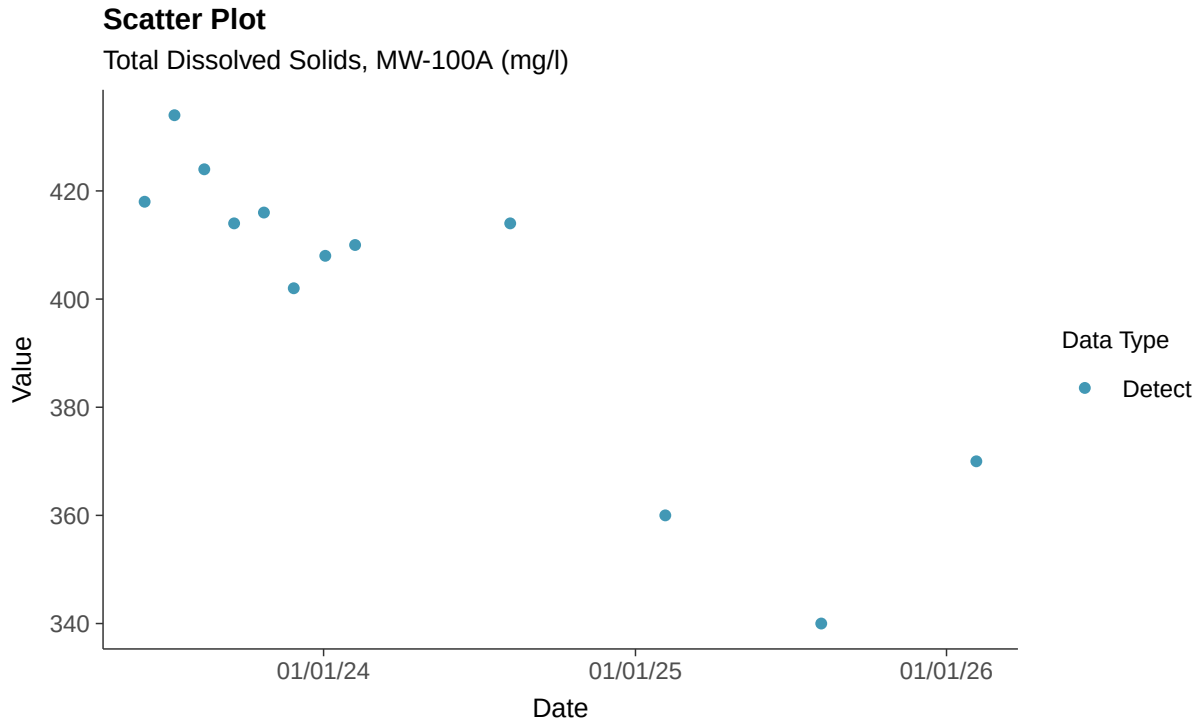
Trend Regression: Piecewise Linear-Linear

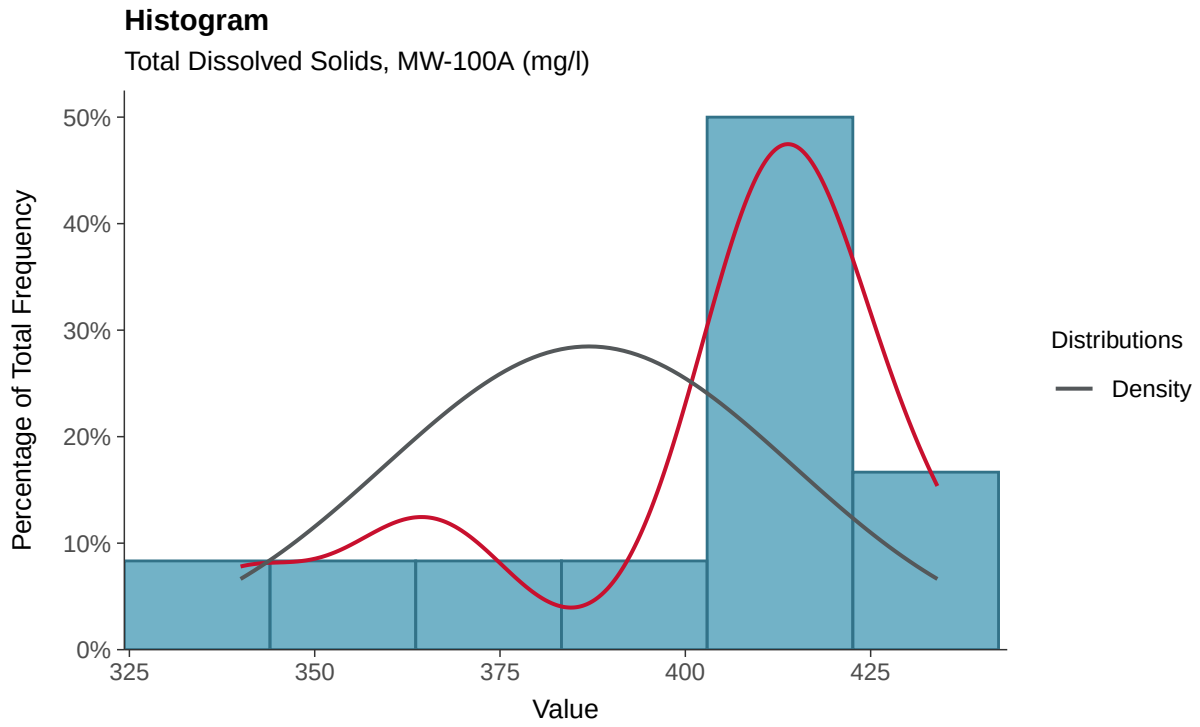
Sulfate, MW-100A (mg/l)



Appendix III: Total Dissolved Solids, MW-100A

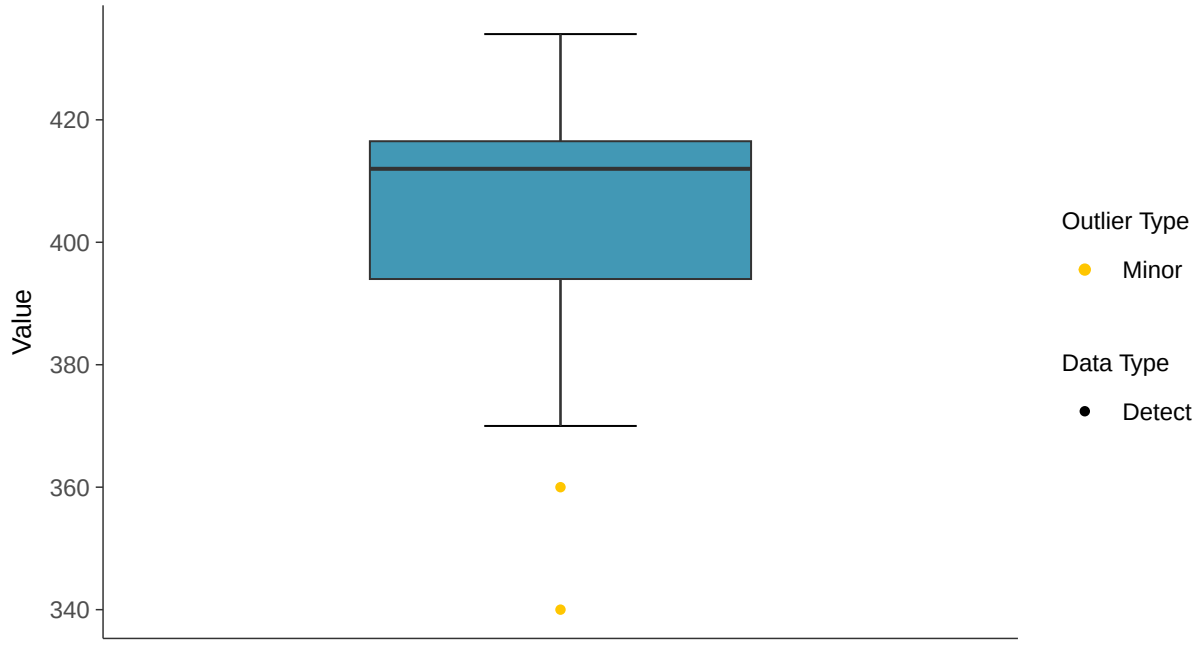
ID: 32_2_126





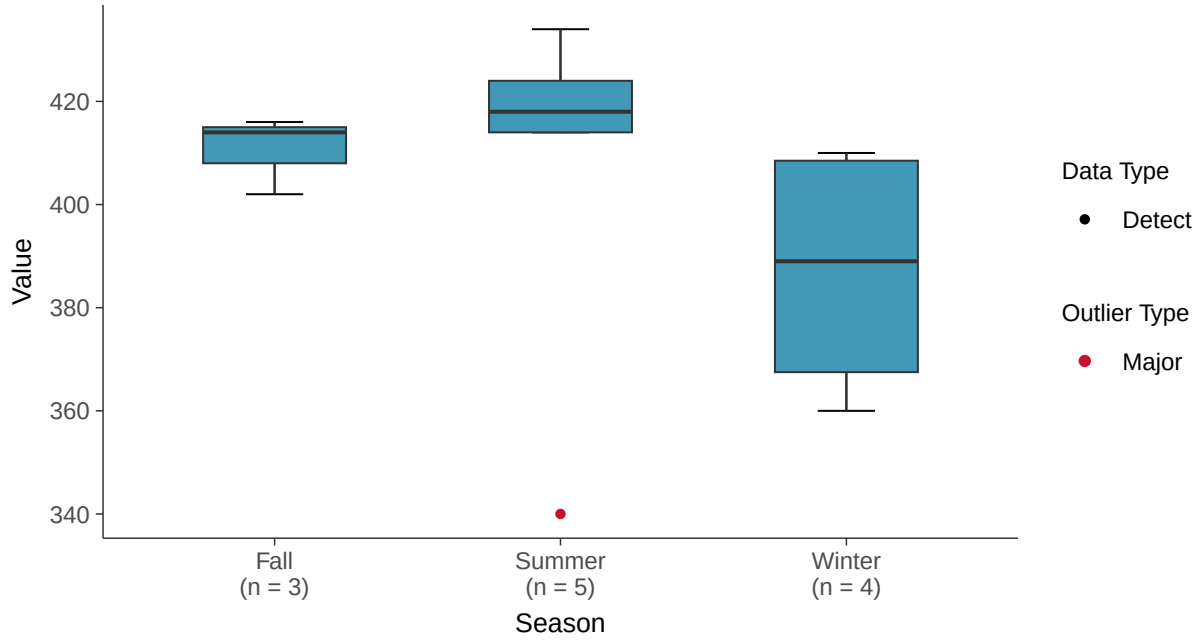
Boxplot

Total Dissolved Solids, MW-100A (mg/l)



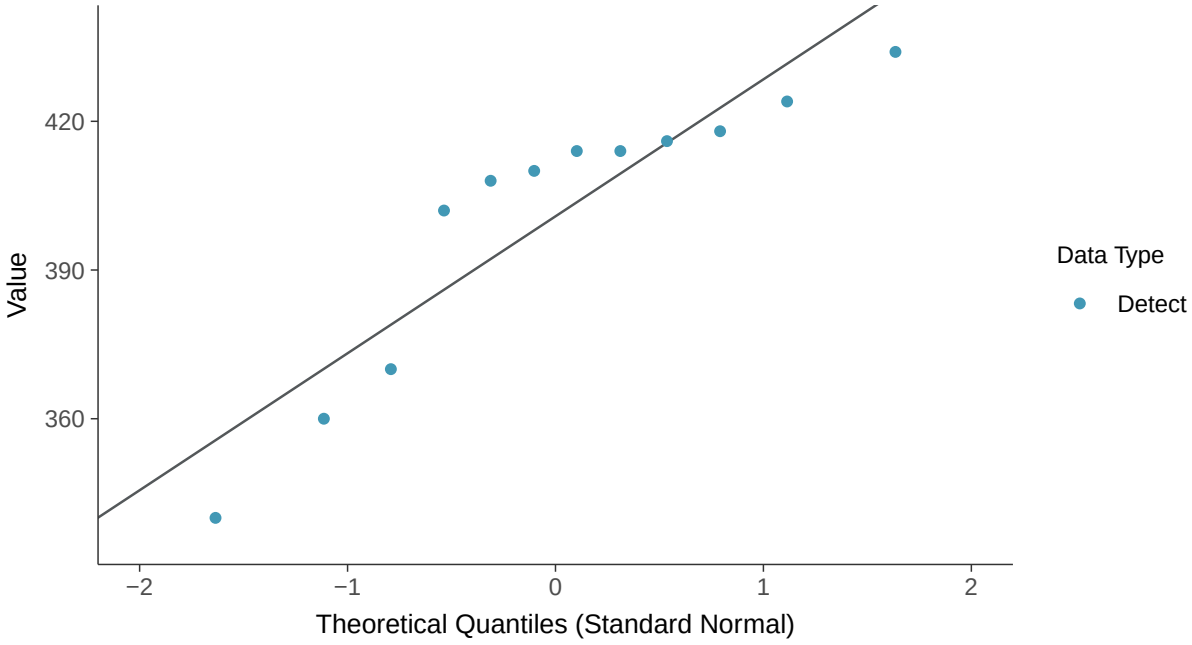
Boxplot by Season

Total Dissolved Solids, MW-100A (mg/l)



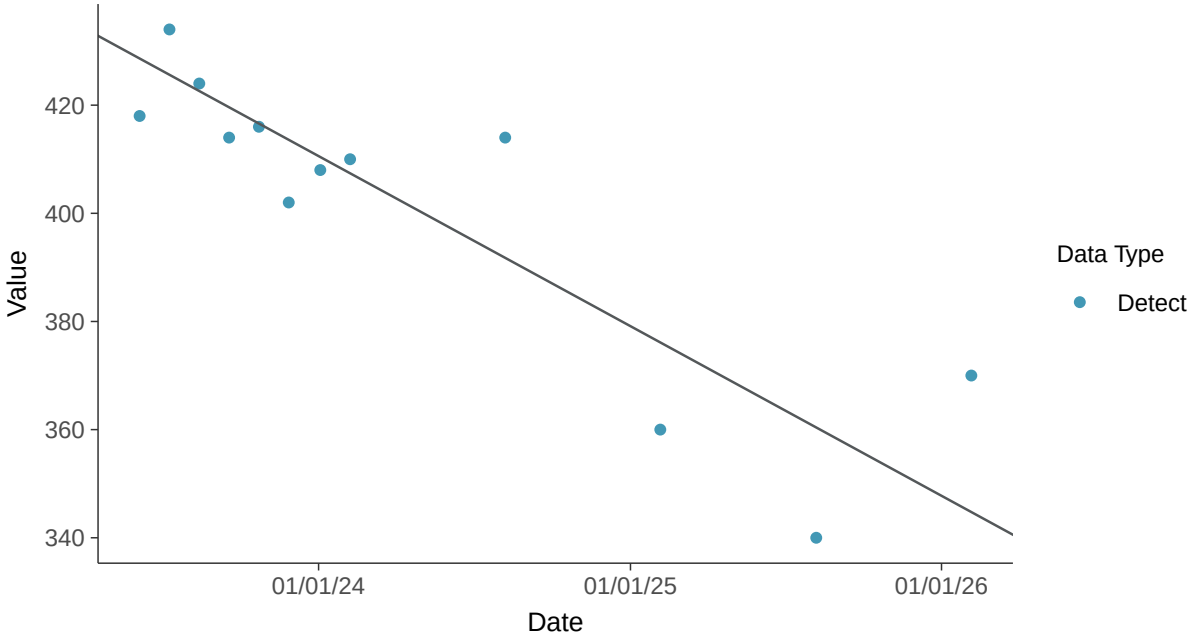
Normal Q-Q plot

Total Dissolved Solids, MW-100A (mg/l)



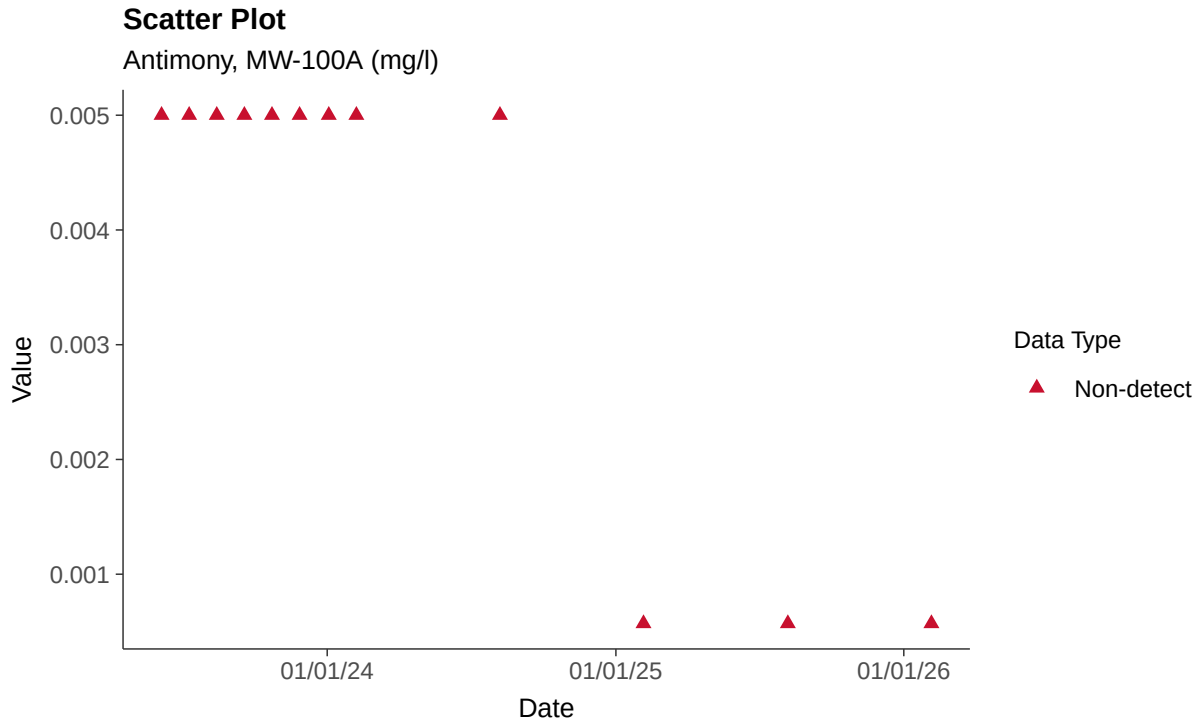
Trend Regression: Mann-Kendall/Theil-Sen Estimate

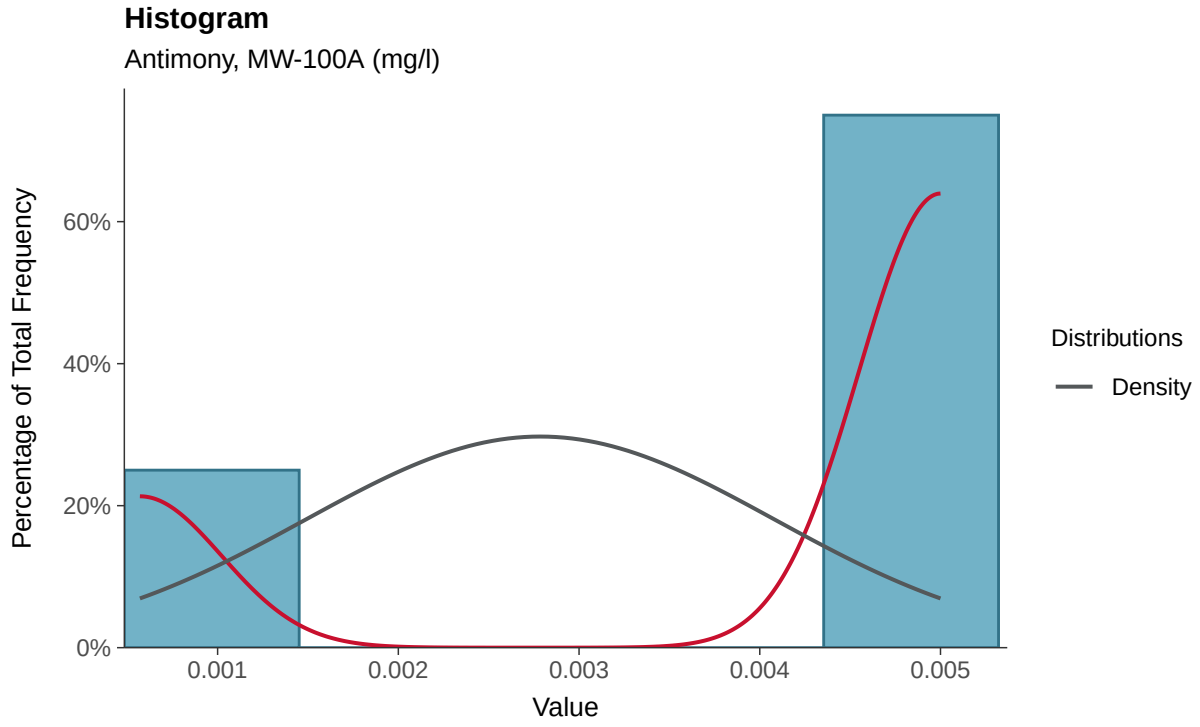
Total Dissolved Solids, MW-100A (mg/l)



Appendix IV: Antimony, MW-100A

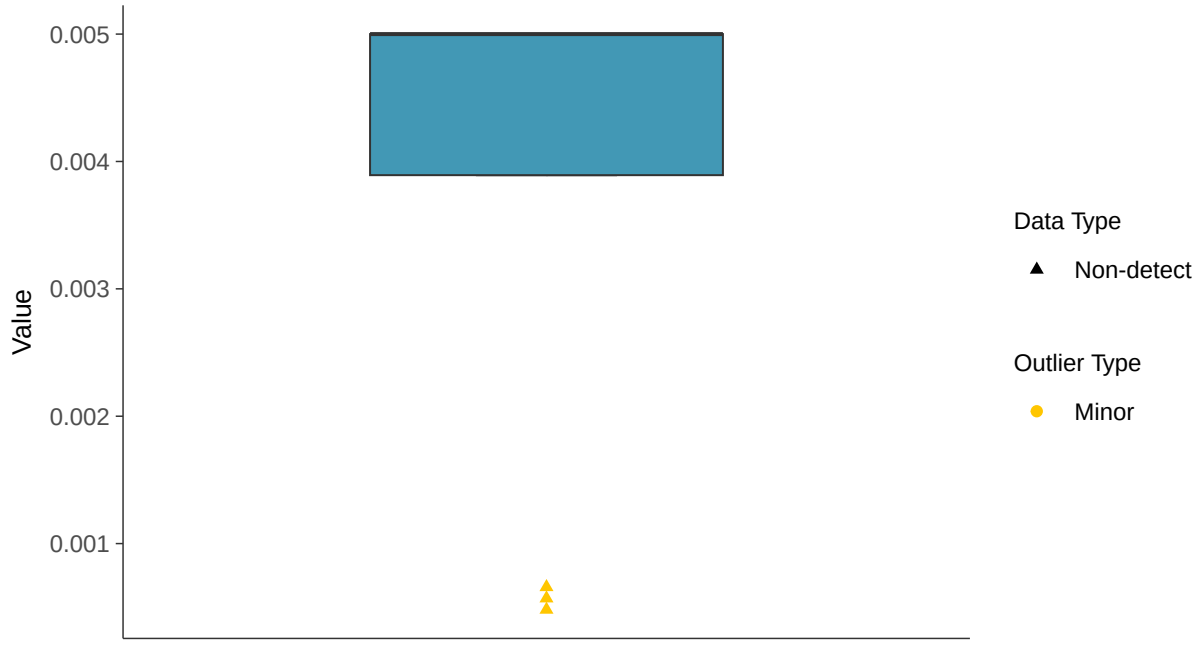
ID: 32_3_101





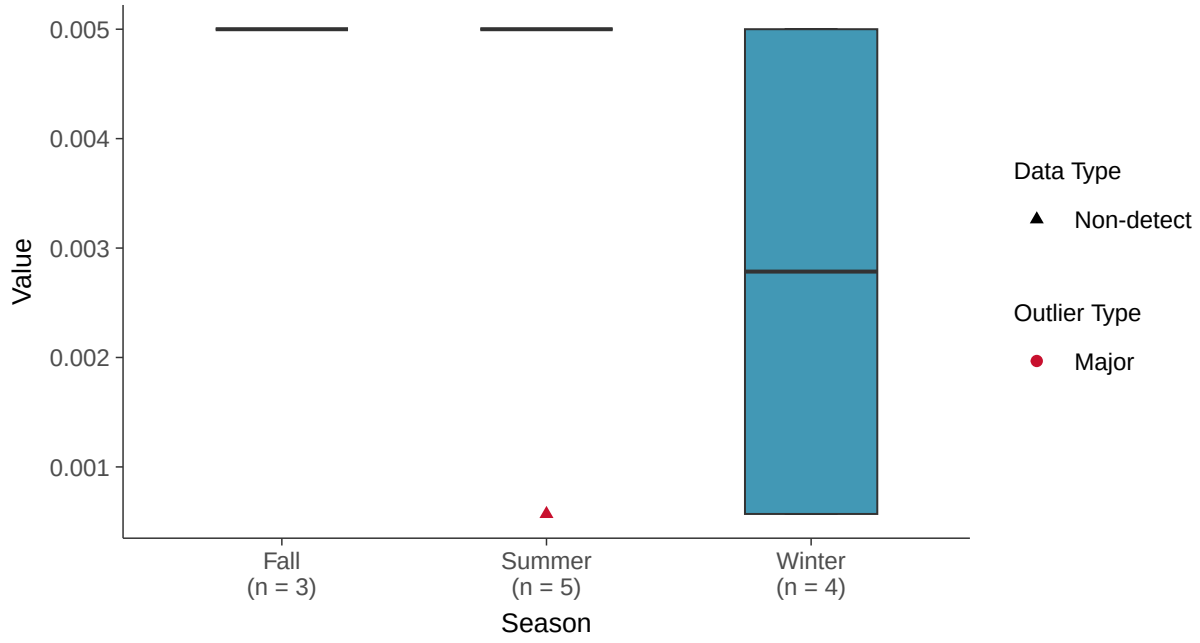
Boxplot

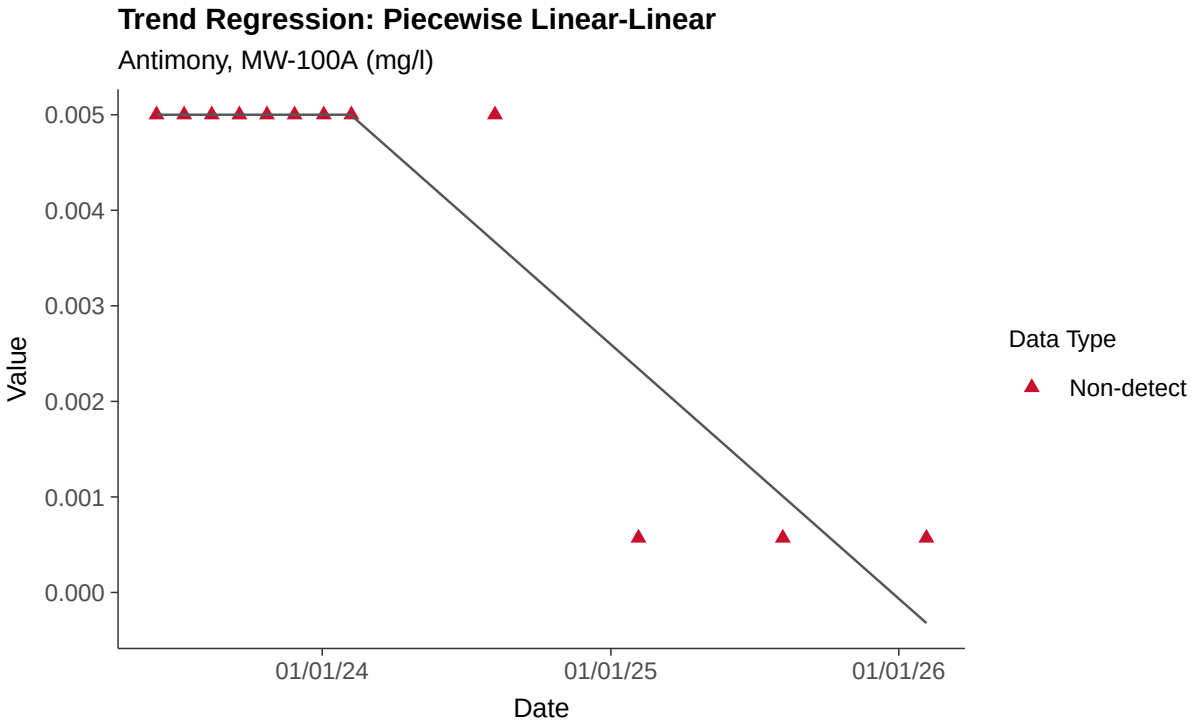
Antimony, MW-100A (mg/l)



Boxplot by Season

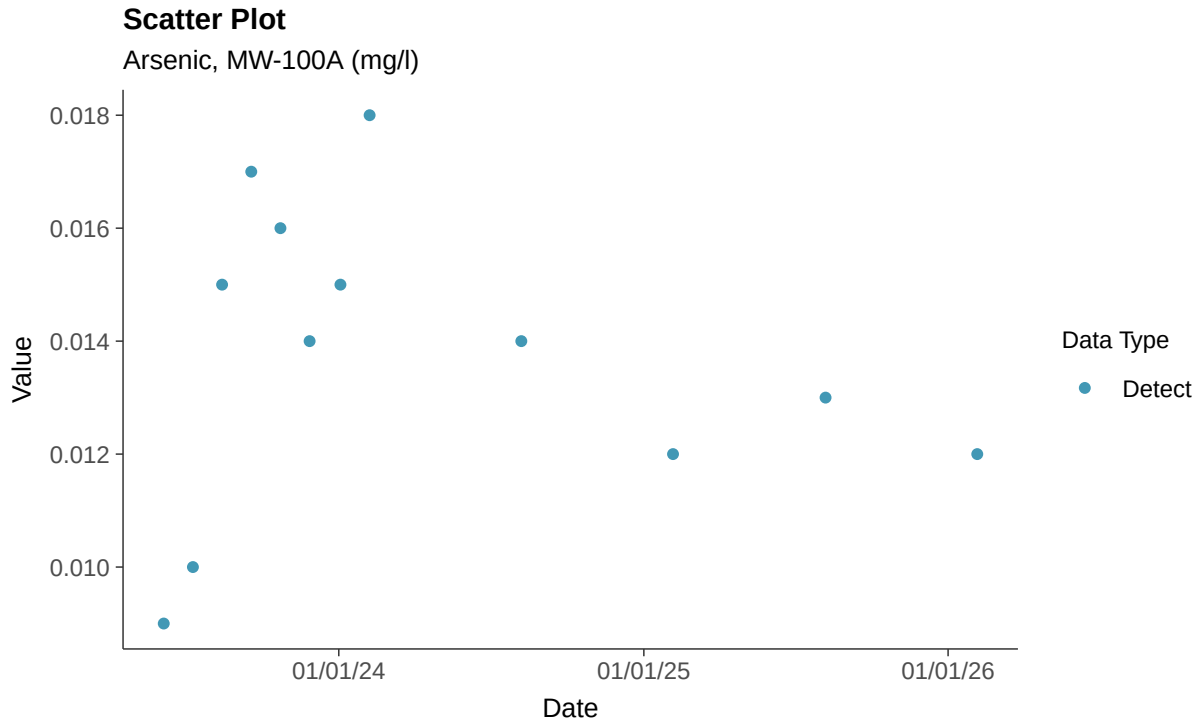
Antimony, MW-100A (mg/l)

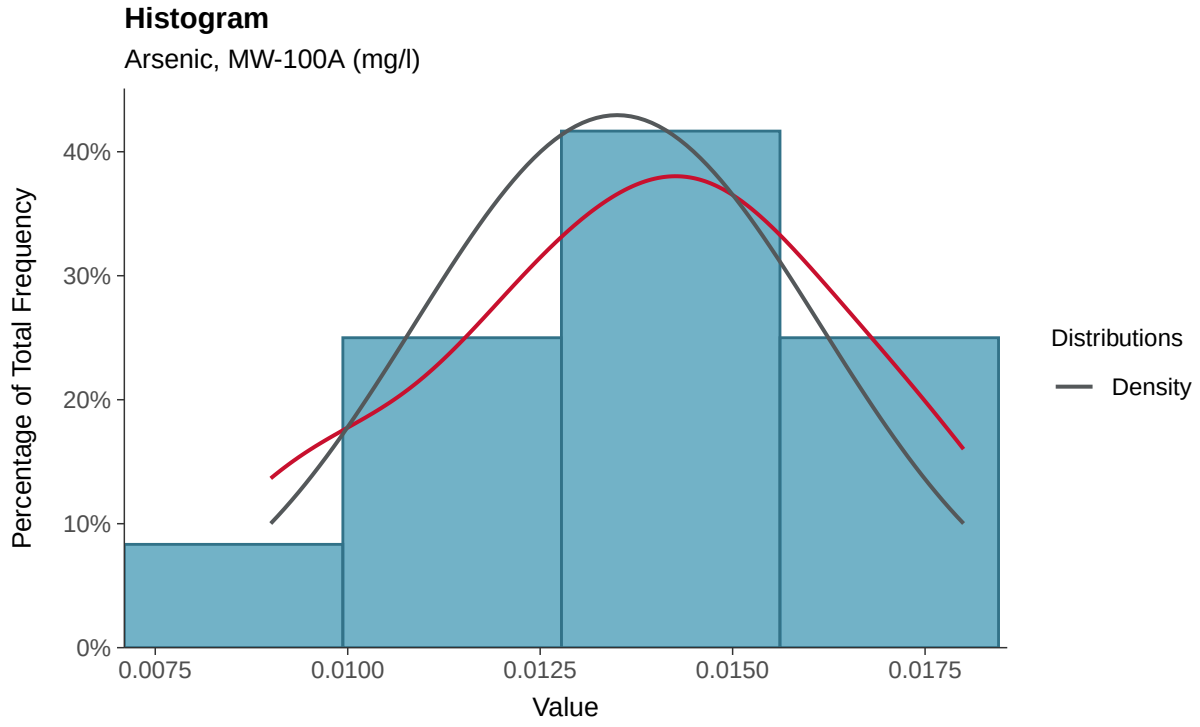



Trend Regression: Piecewise Linear-Linear
Antimony, MW-100A (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-100A

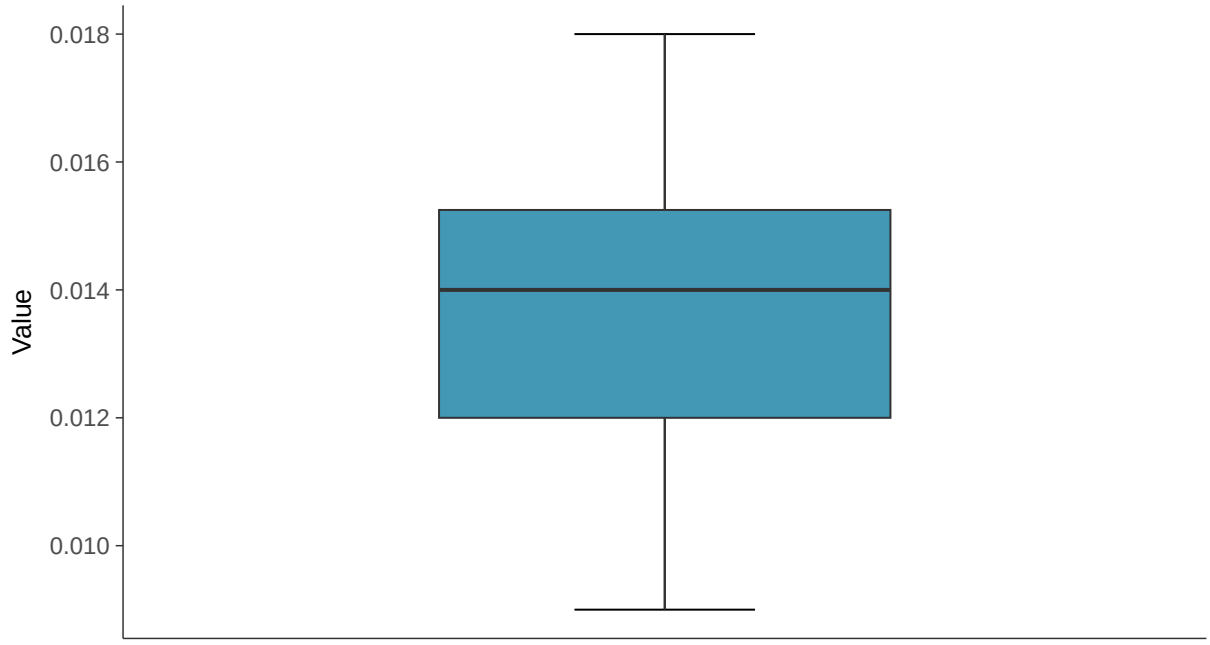
ID: 32_3_102





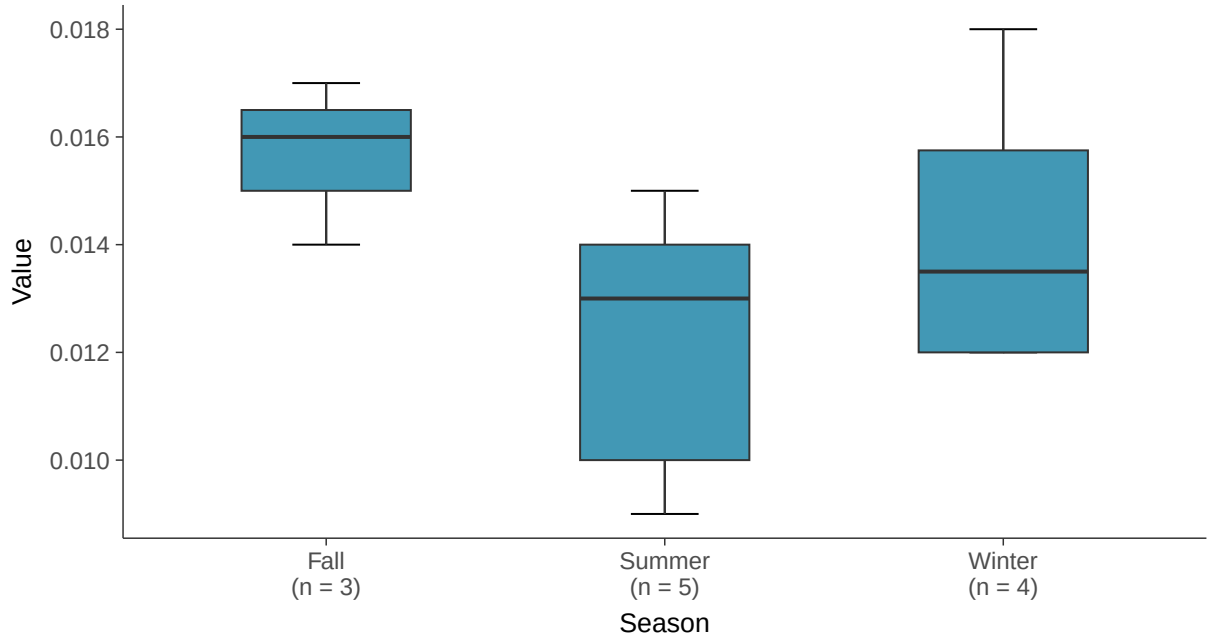
Boxplot

Arsenic, MW-100A (mg/l)



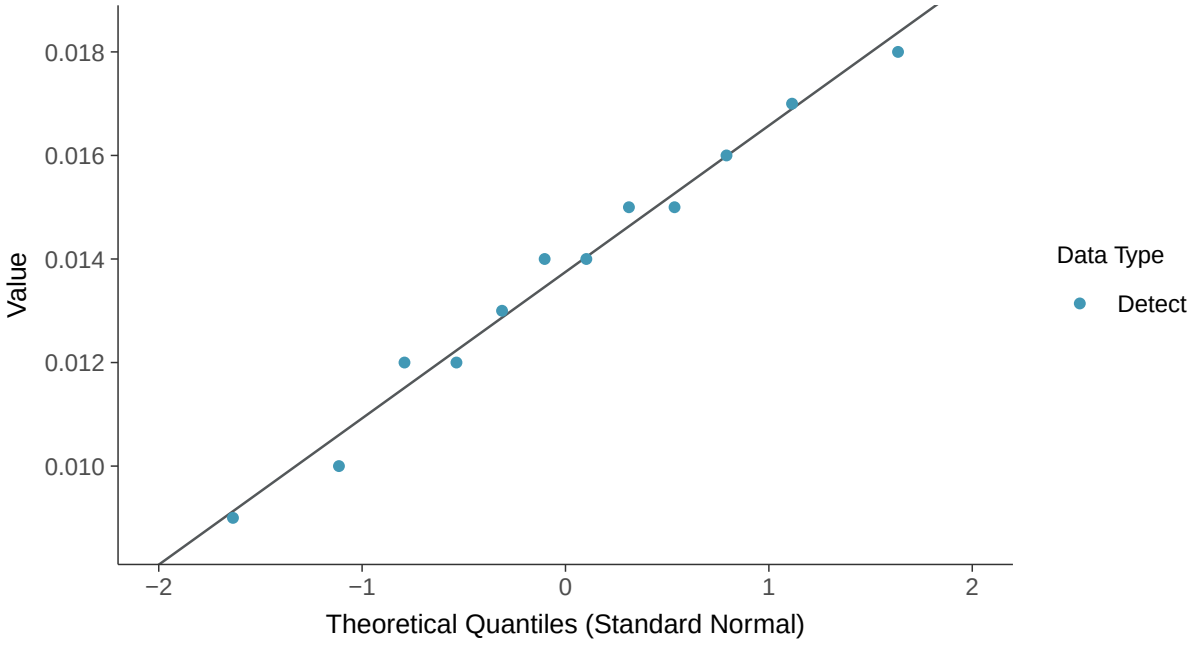
Boxplot by Season

Arsenic, MW-100A (mg/l)



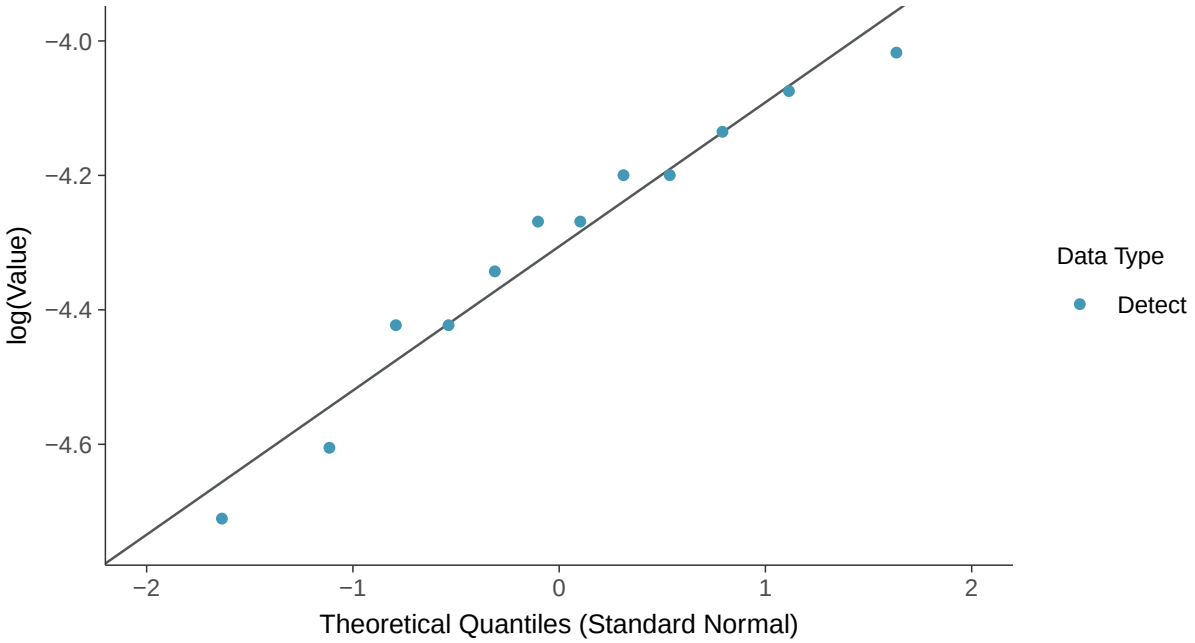
Normal Q-Q plot

Arsenic, MW-100A (mg/l)



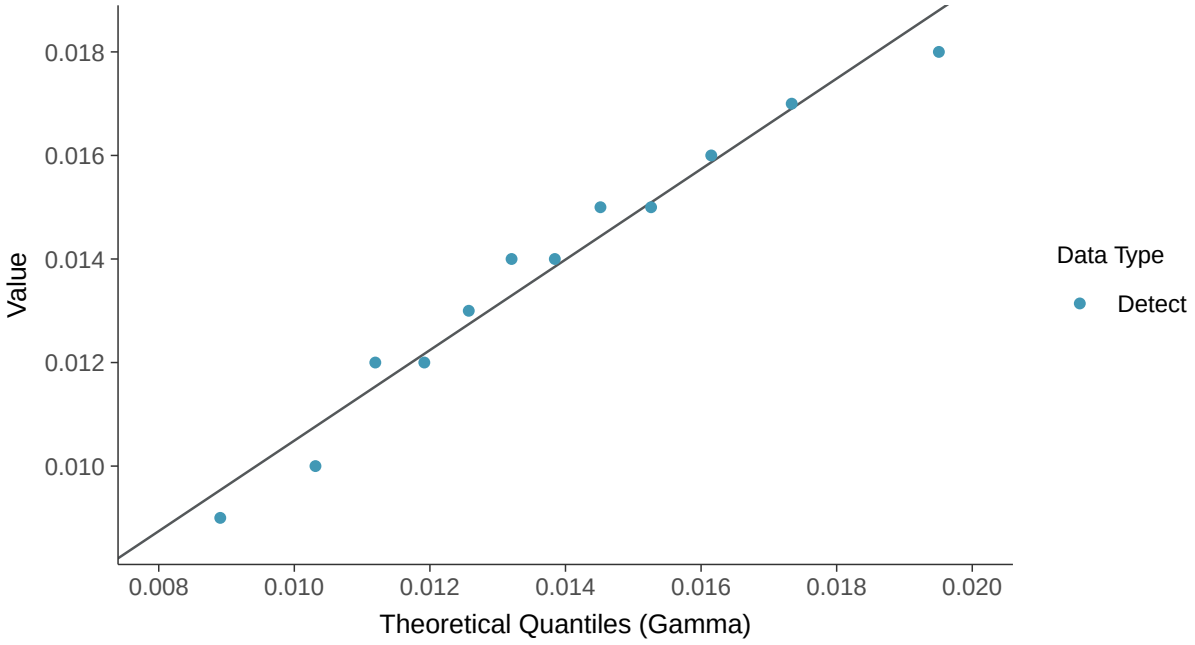
Lognormal Q-Q plot

Arsenic, MW-100A (mg/l)



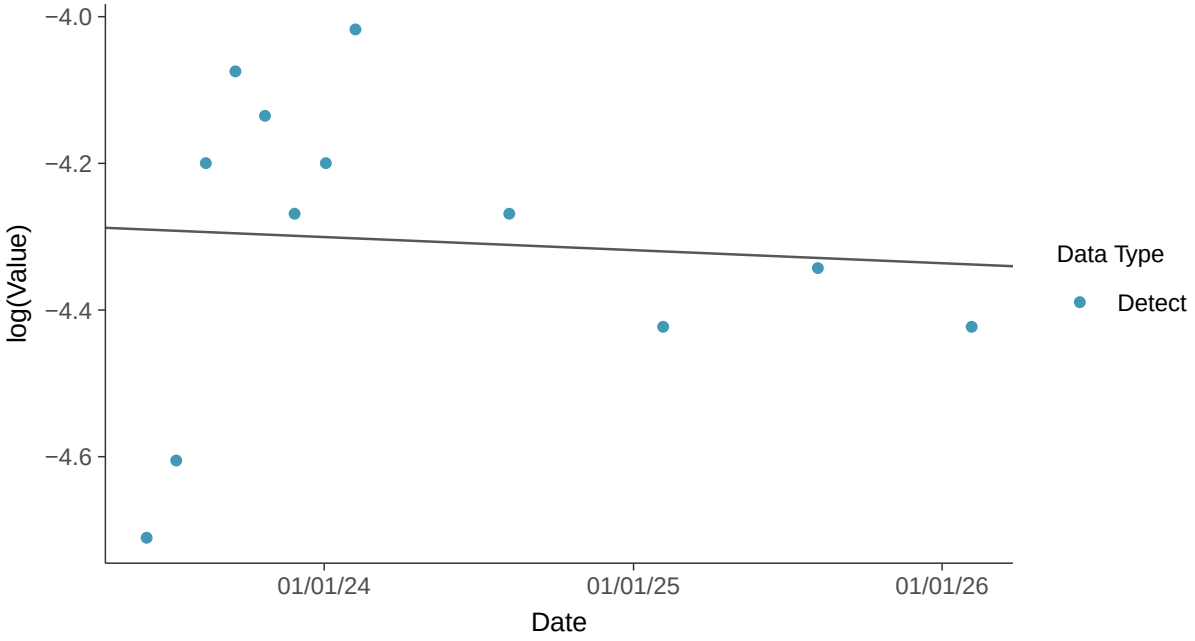
Gamma Q-Q plot

Arsenic, MW-100A (mg/l)



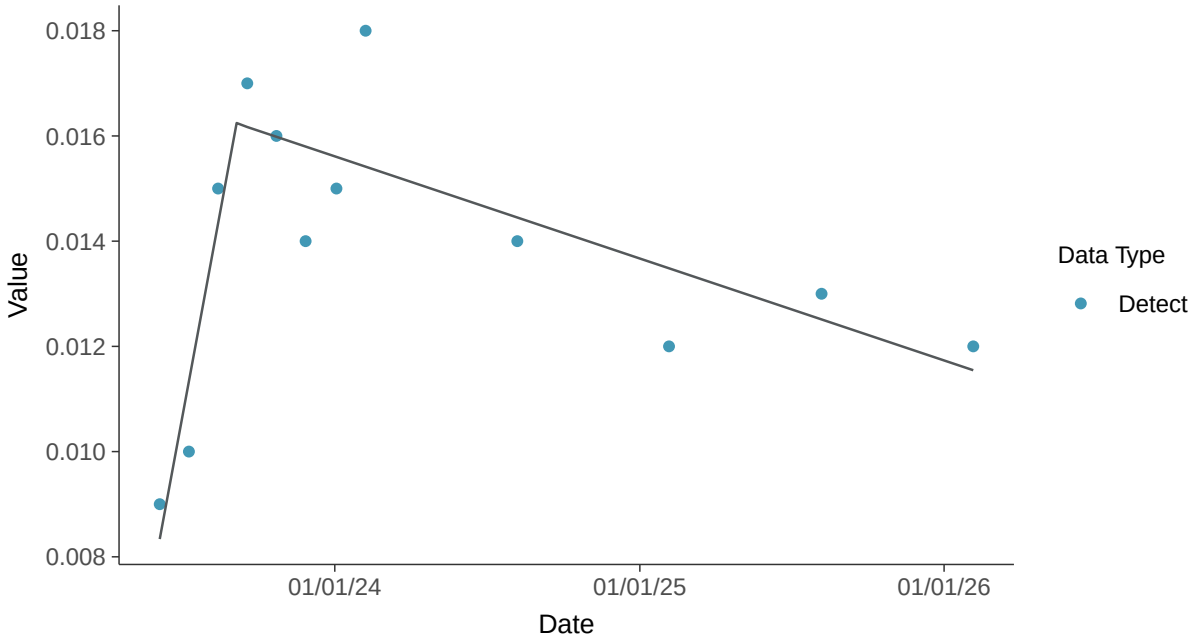
Trend Regression: Lognormal MLE

Arsenic, MW-100A (mg/l)



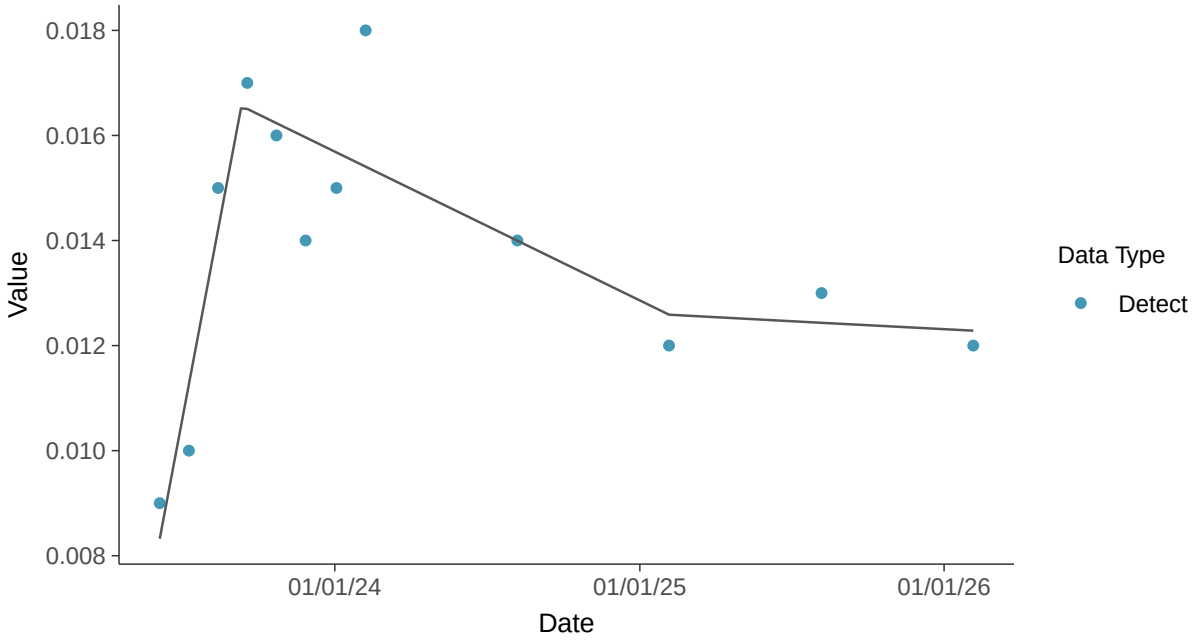
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-100A (mg/l)



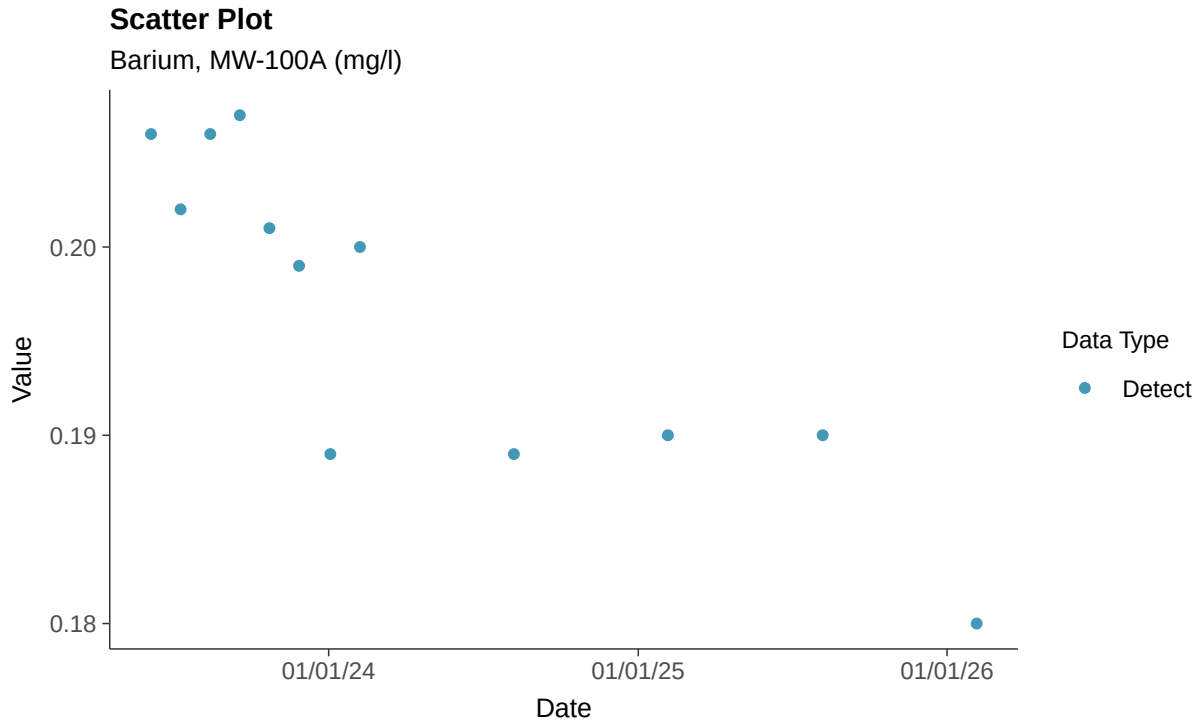
Trend Regression: Piecewise Linear-Linear-Linear

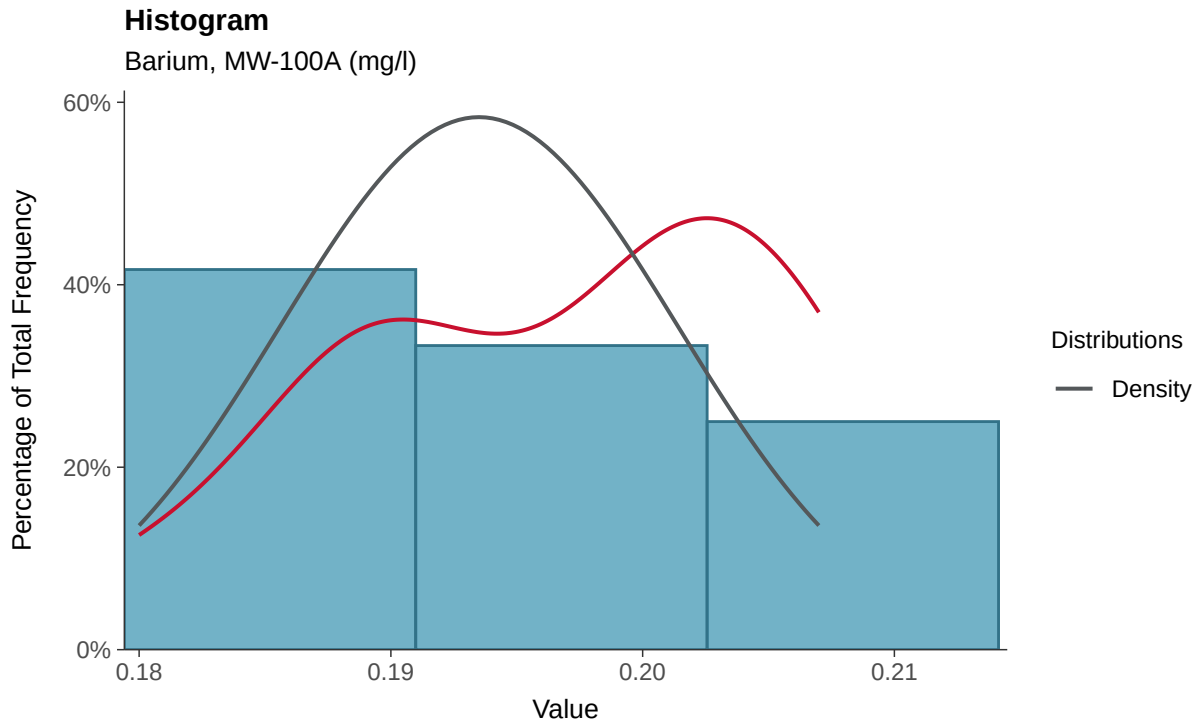
Arsenic, MW-100A (mg/l)



Appendix IV: Barium, MW-100A

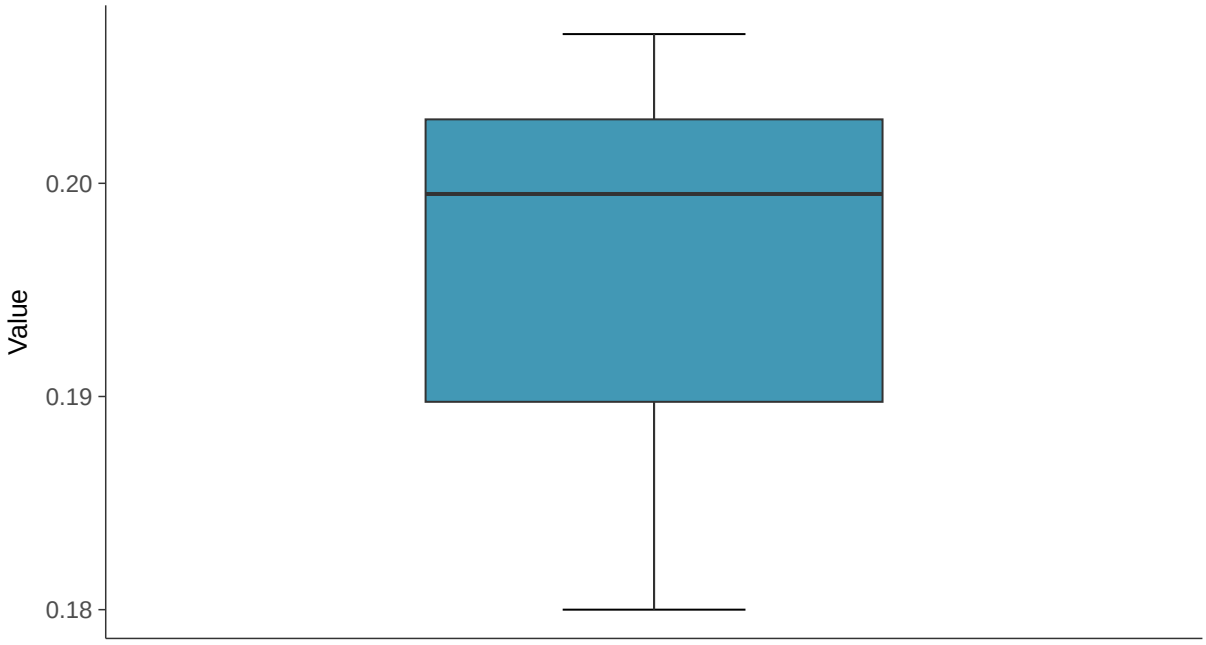
ID: 32_3_103





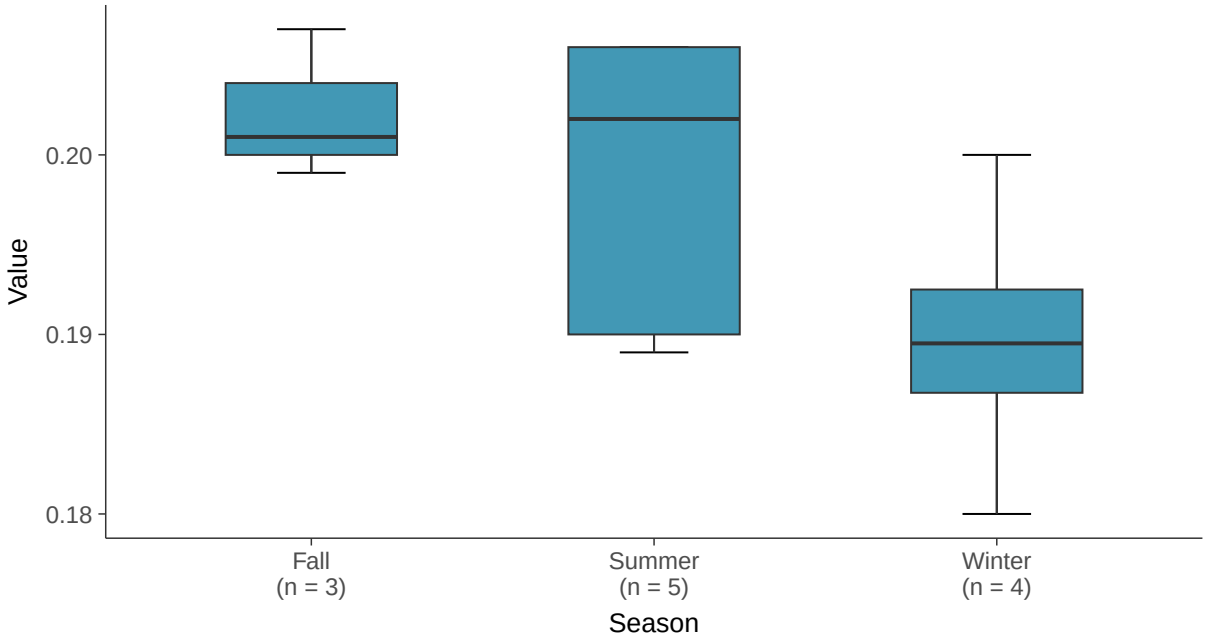
Boxplot

Barium, MW-100A (mg/l)



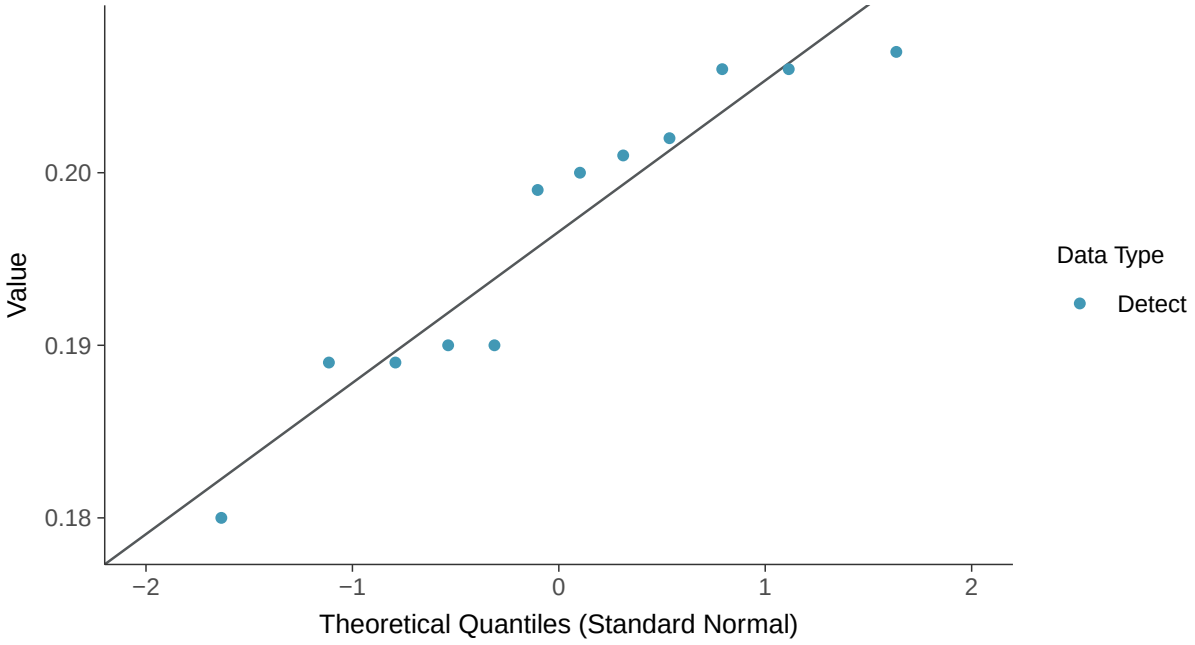
Boxplot by Season

Barium, MW-100A (mg/l)



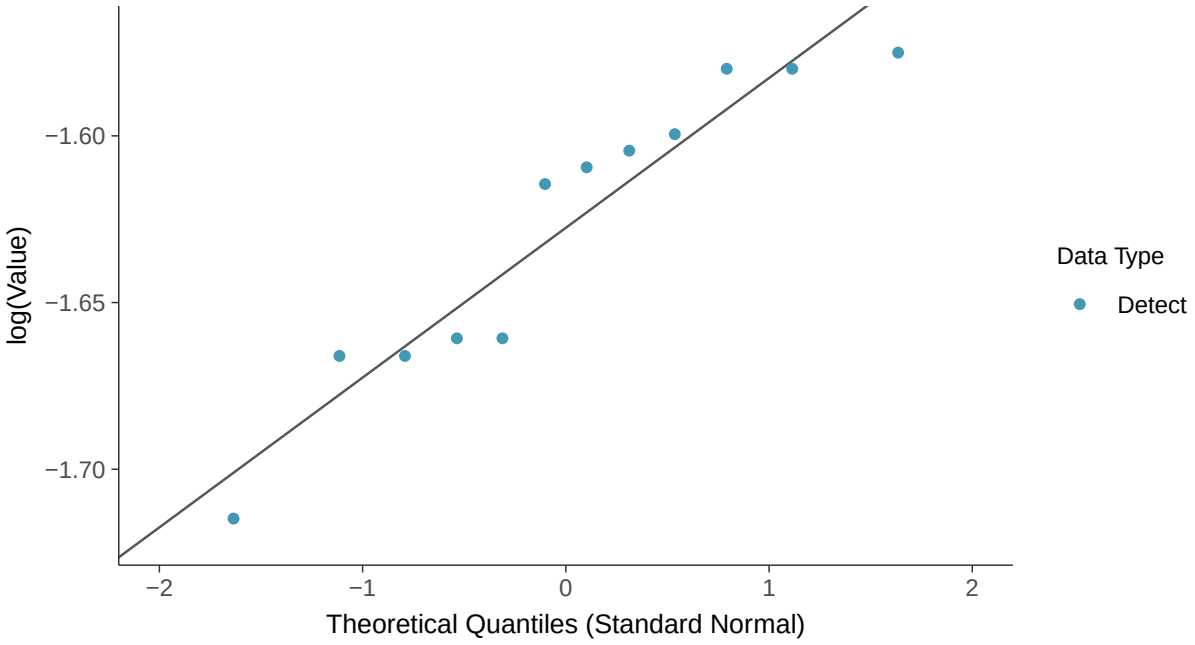
Normal Q-Q plot

Barium, MW-100A (mg/l)



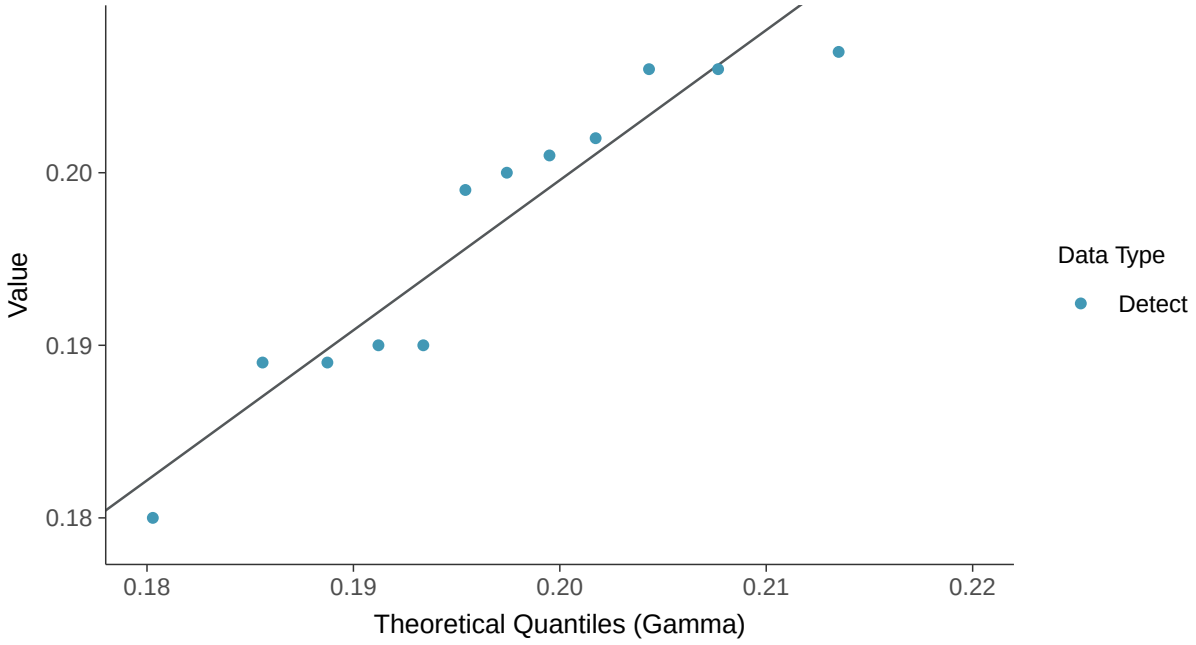
Lognormal Q-Q plot

Barium, MW-100A (mg/l)



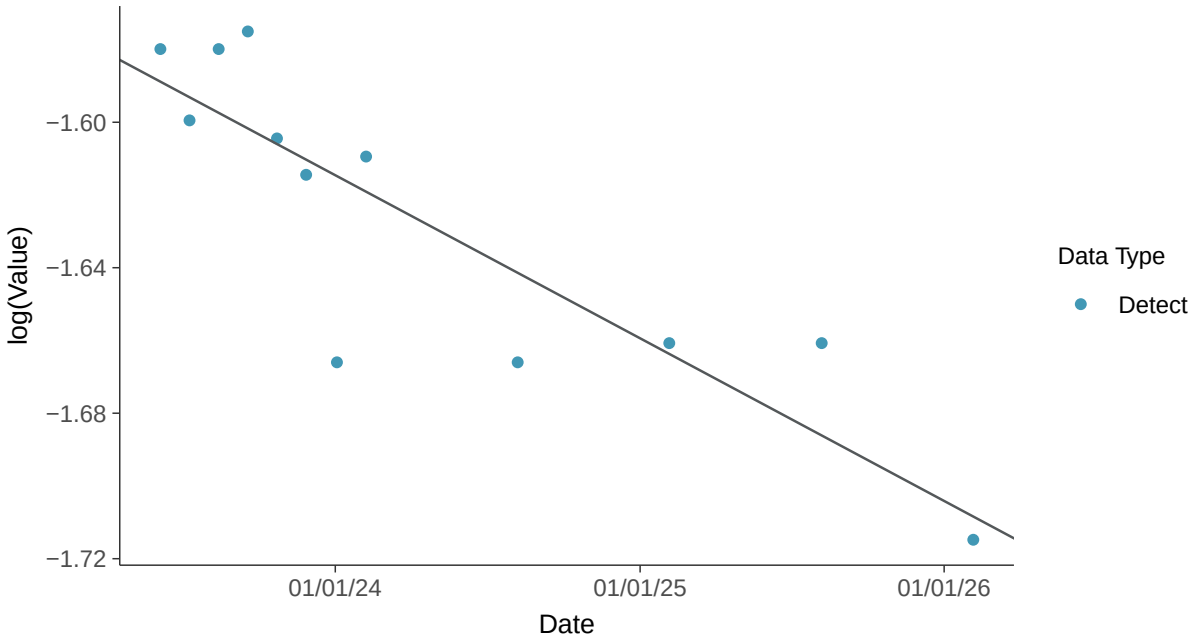
Gamma Q-Q plot

Barium, MW-100A (mg/l)



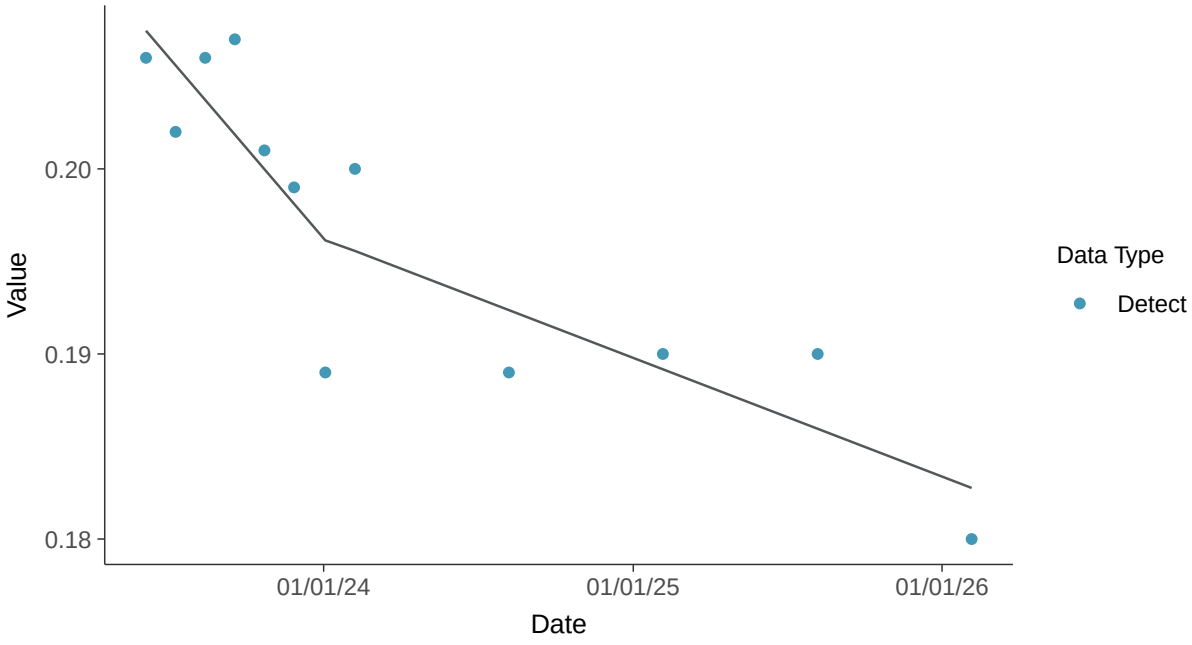
Trend Regression: Lognormal MLE

Barium, MW-100A (mg/l)



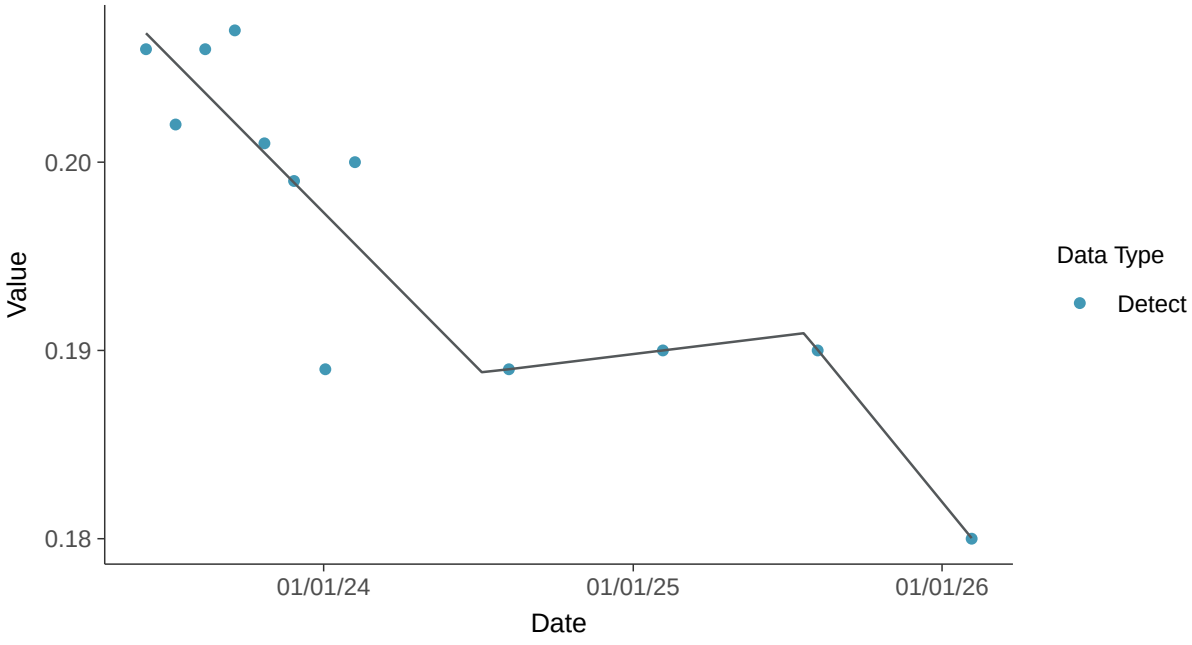
Trend Regression: Piecewise Linear-Linear

Barium, MW-100A (mg/l)



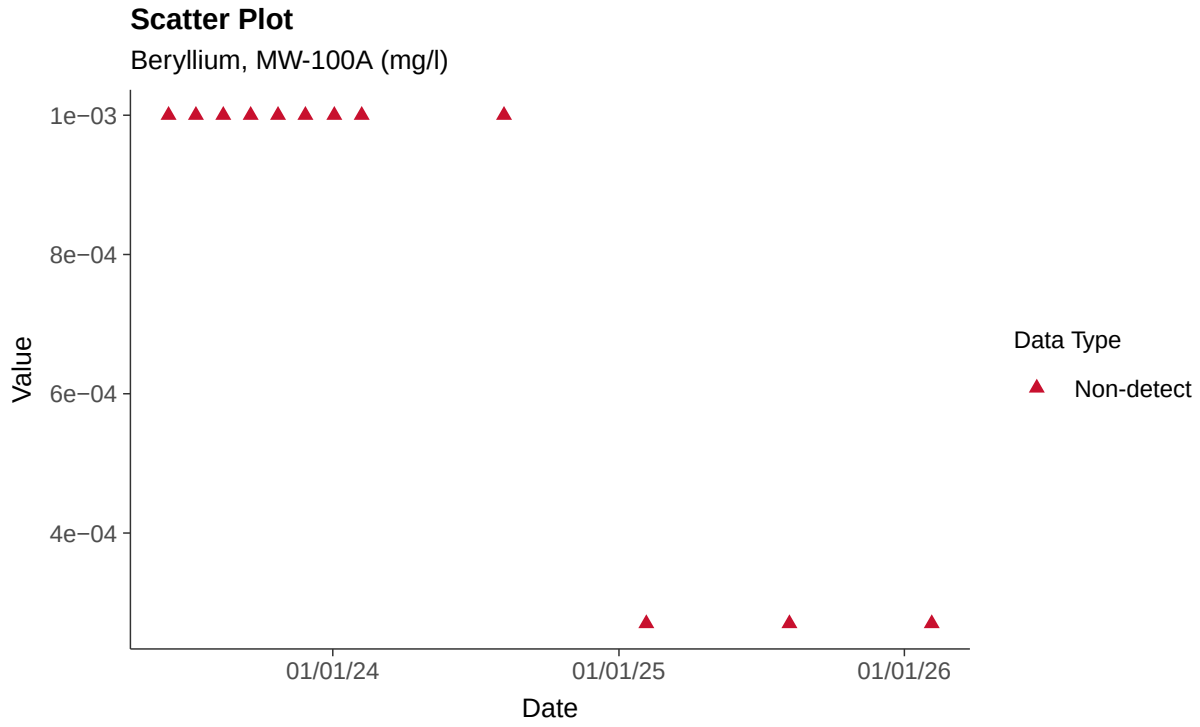
Trend Regression: Piecewise Linear-Linear-Linear

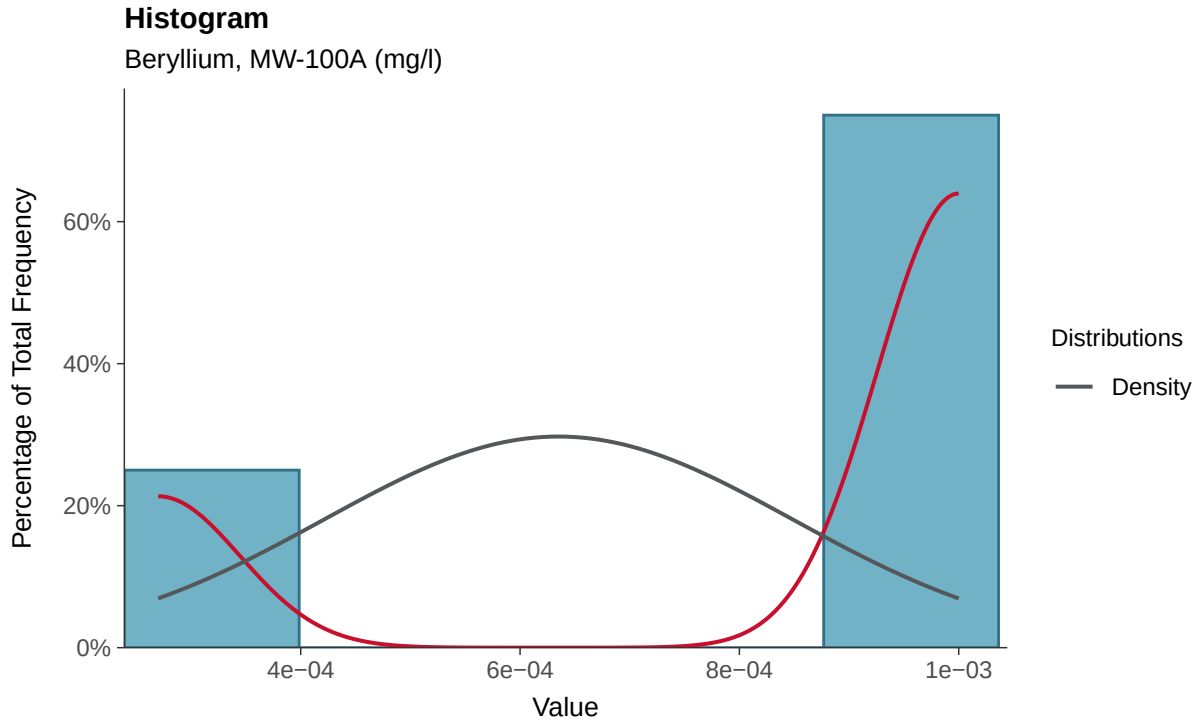
Barium, MW-100A (mg/l)



Appendix IV: Beryllium, MW-100A

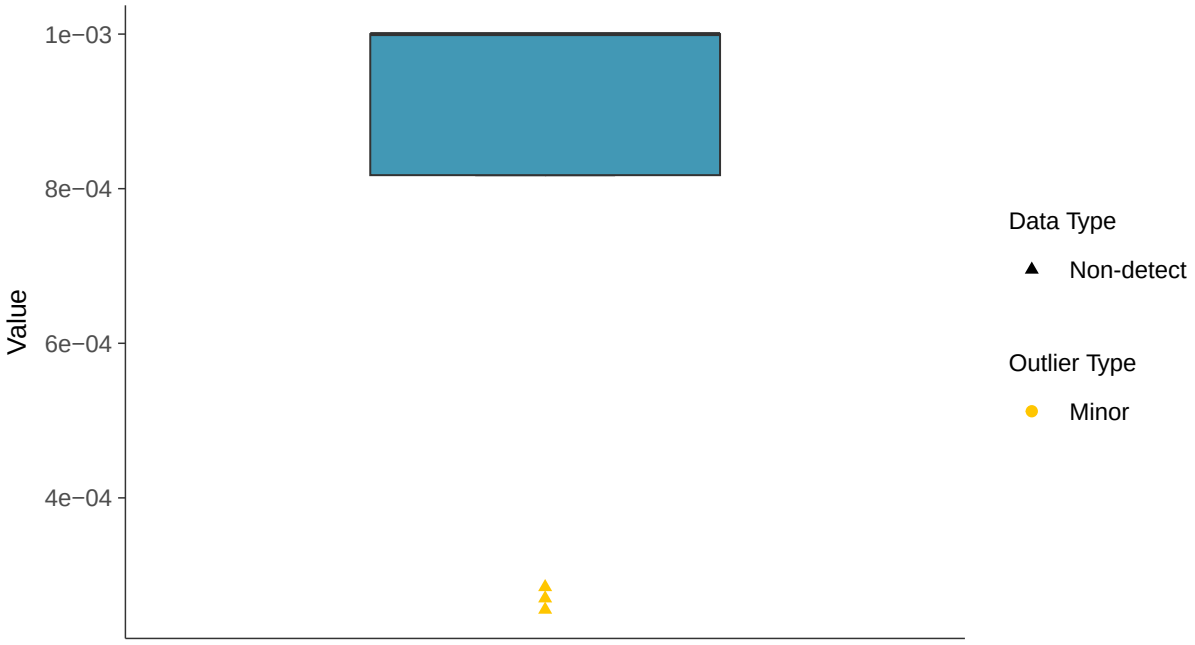
ID: 32_3_104





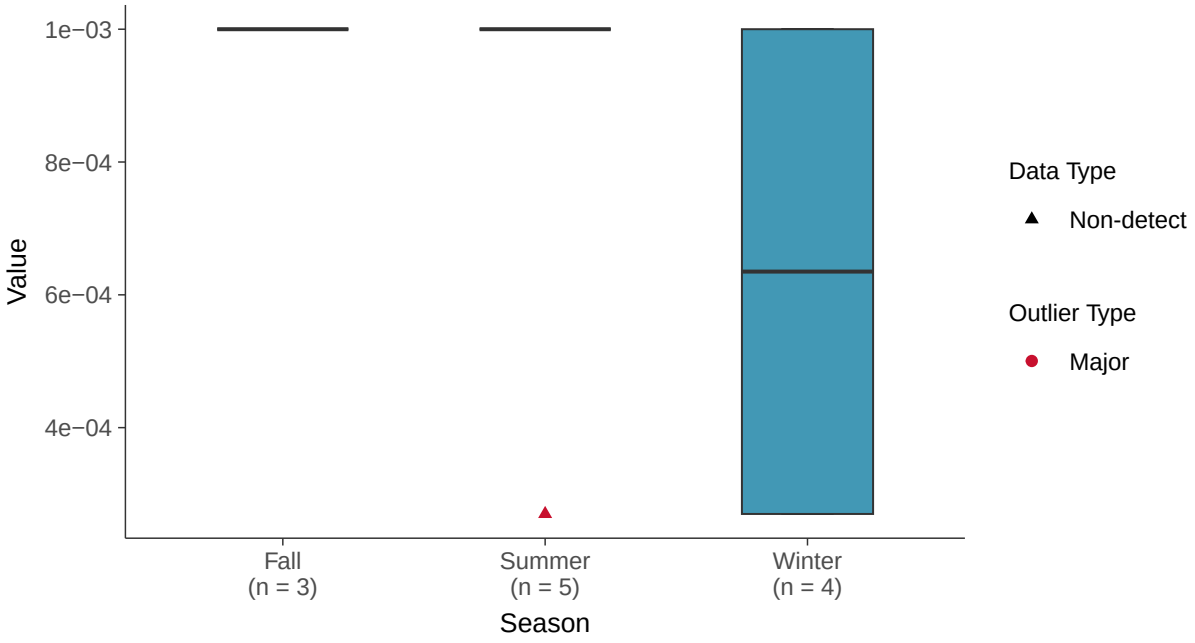
Boxplot

Beryllium, MW-100A (mg/l)



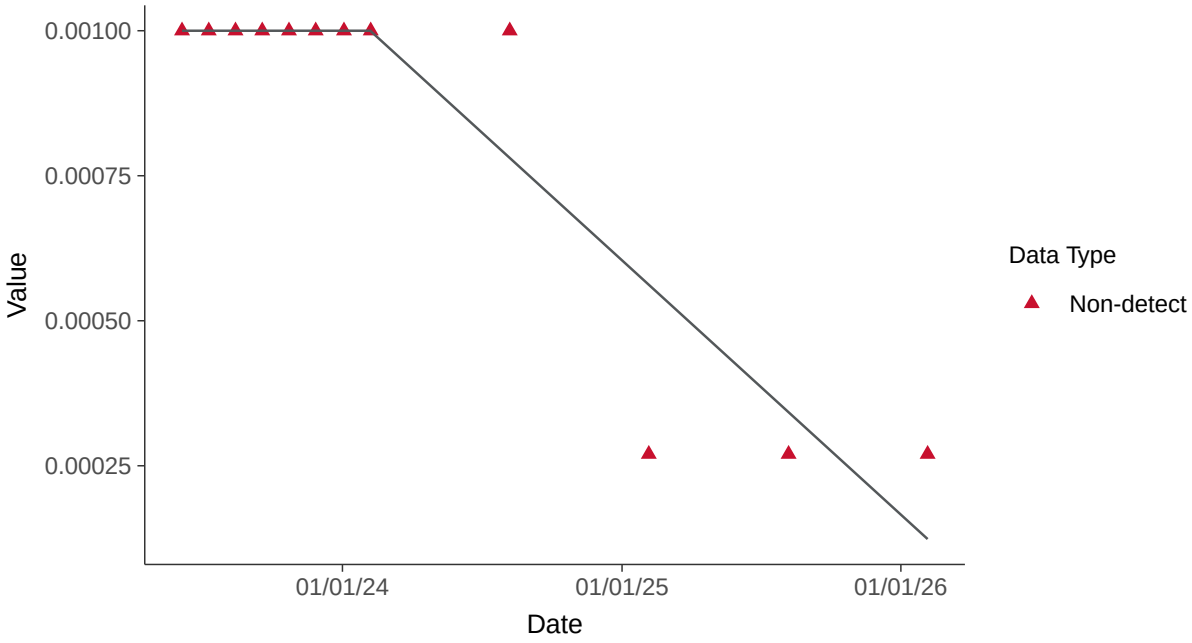
Boxplot by Season

Beryllium, MW-100A (mg/l)



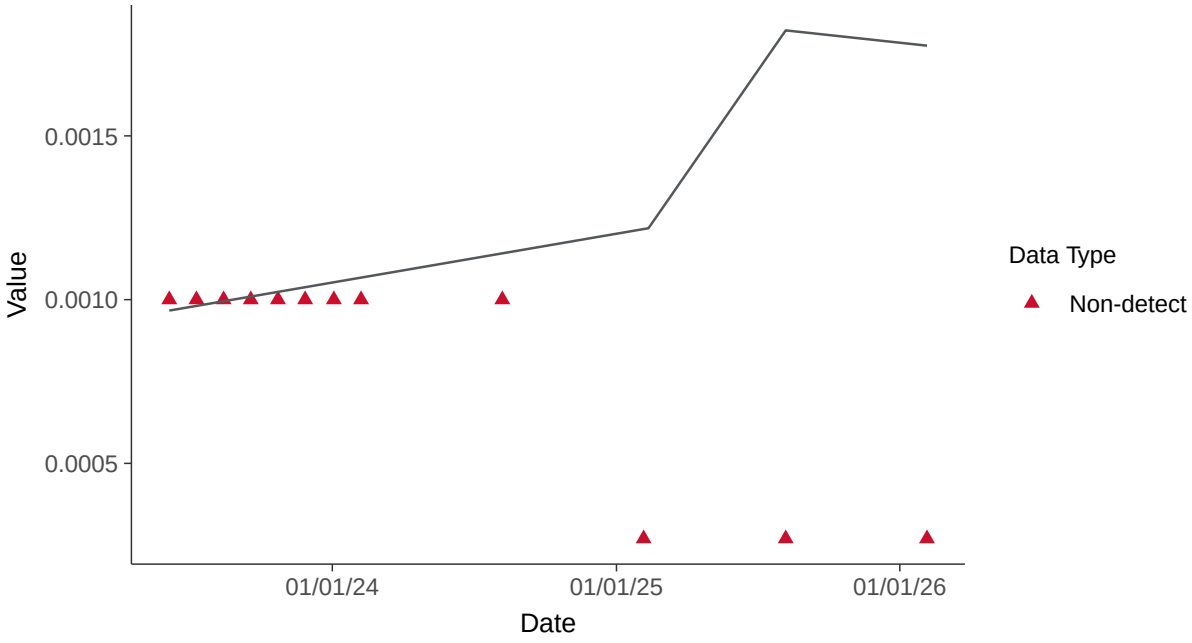
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-100A (mg/l)



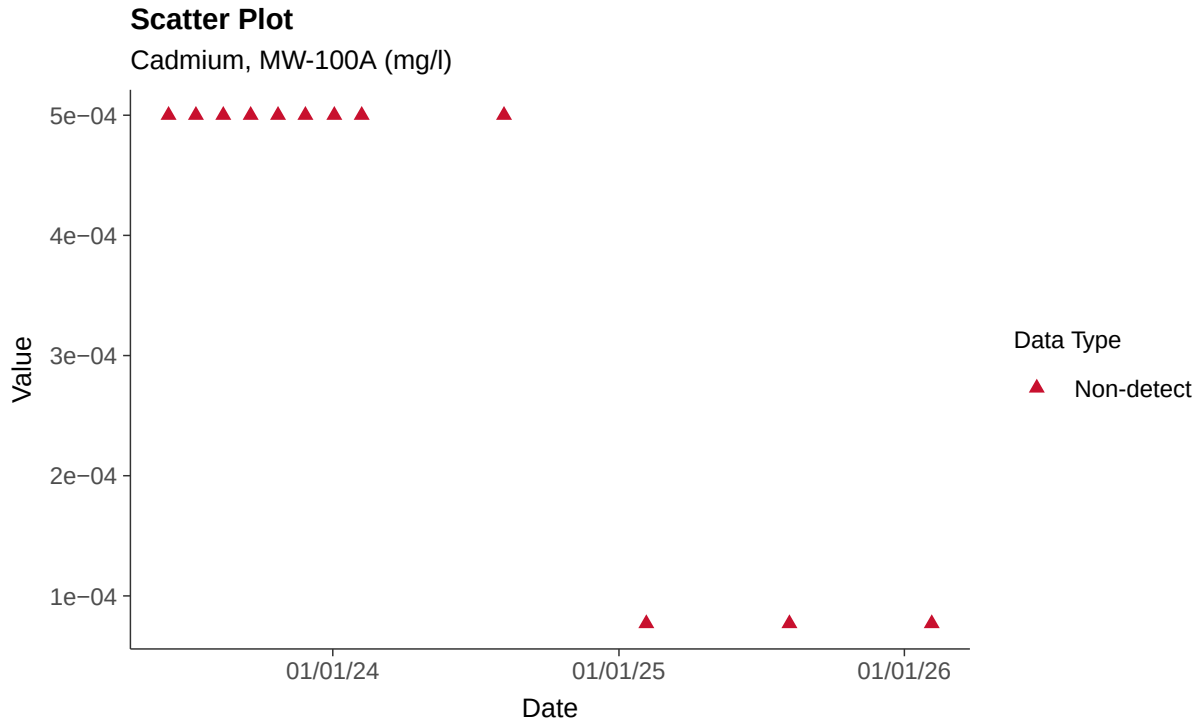
Trend Regression: Piecewise Linear-Linear-Linear

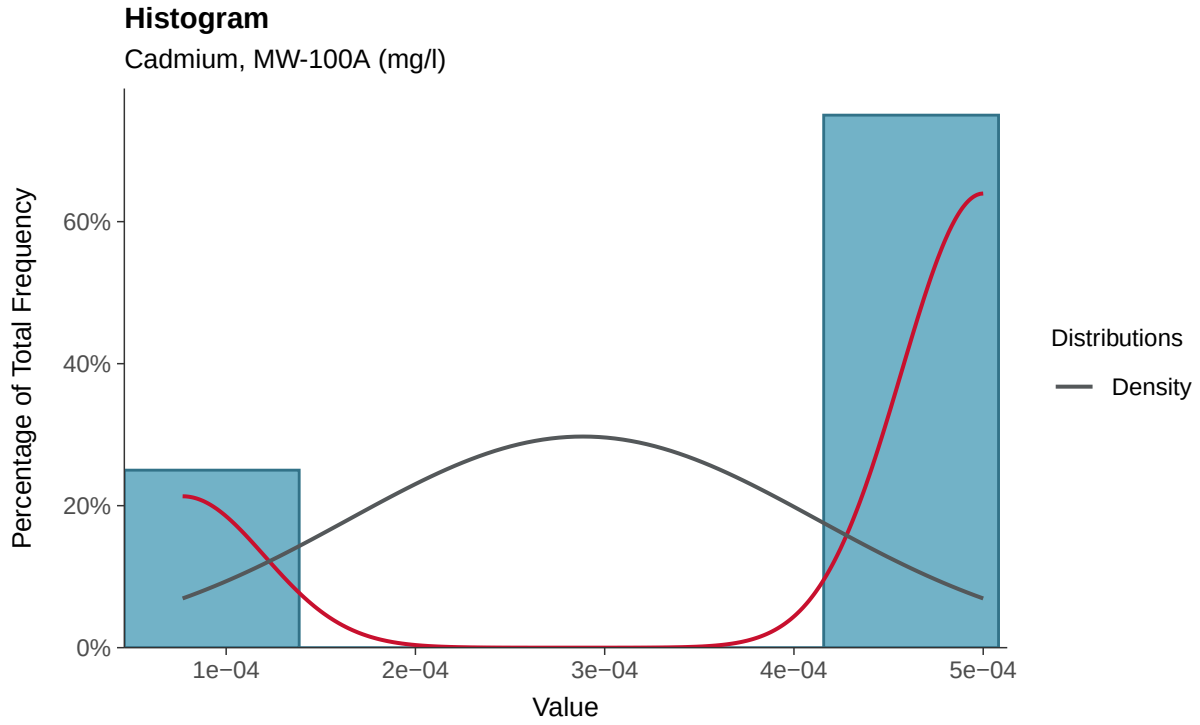
Beryllium, MW-100A (mg/l)



Appendix IV: Cadmium, MW-100A

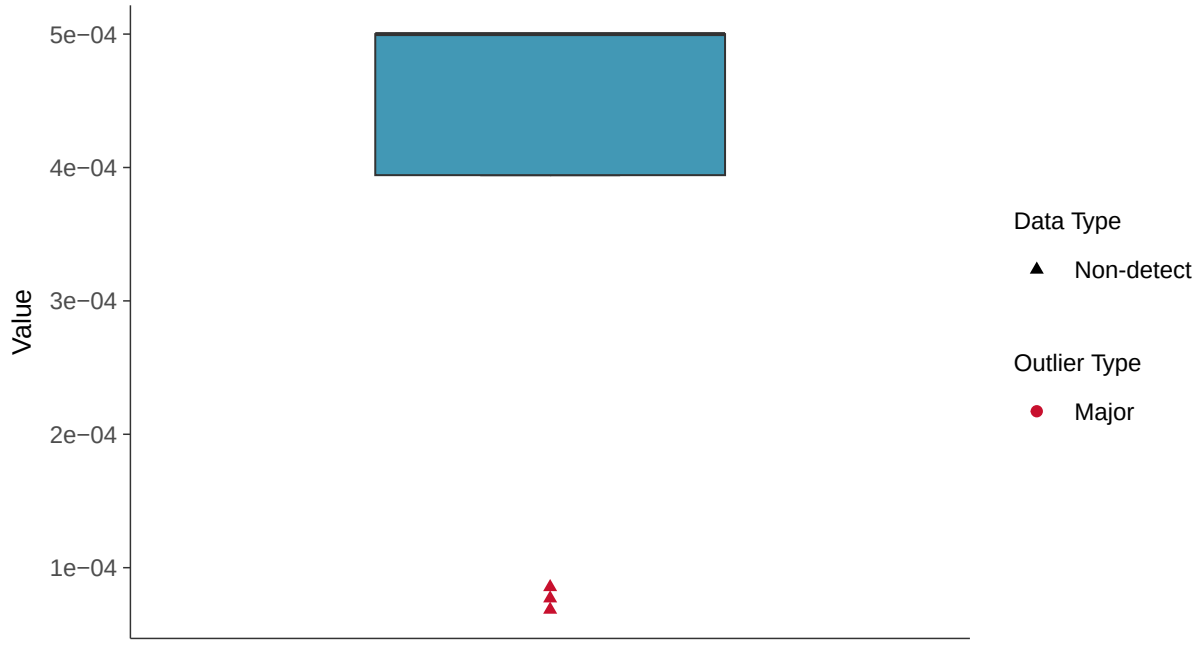
ID: 32_3_106





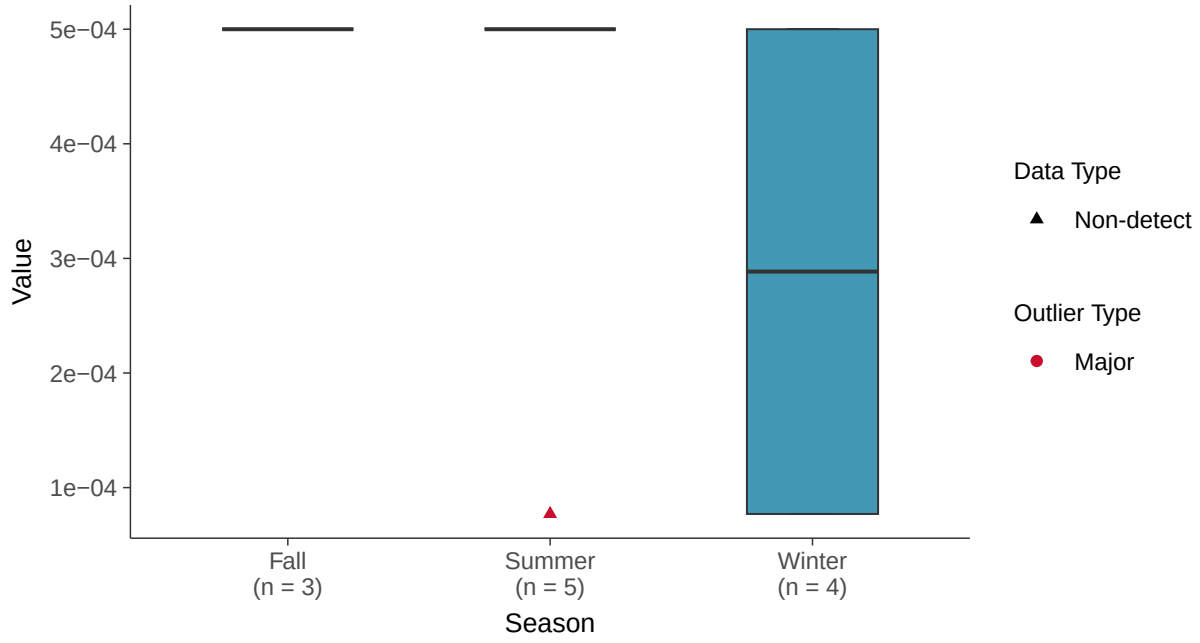
Boxplot

Cadmium, MW-100A (mg/l)



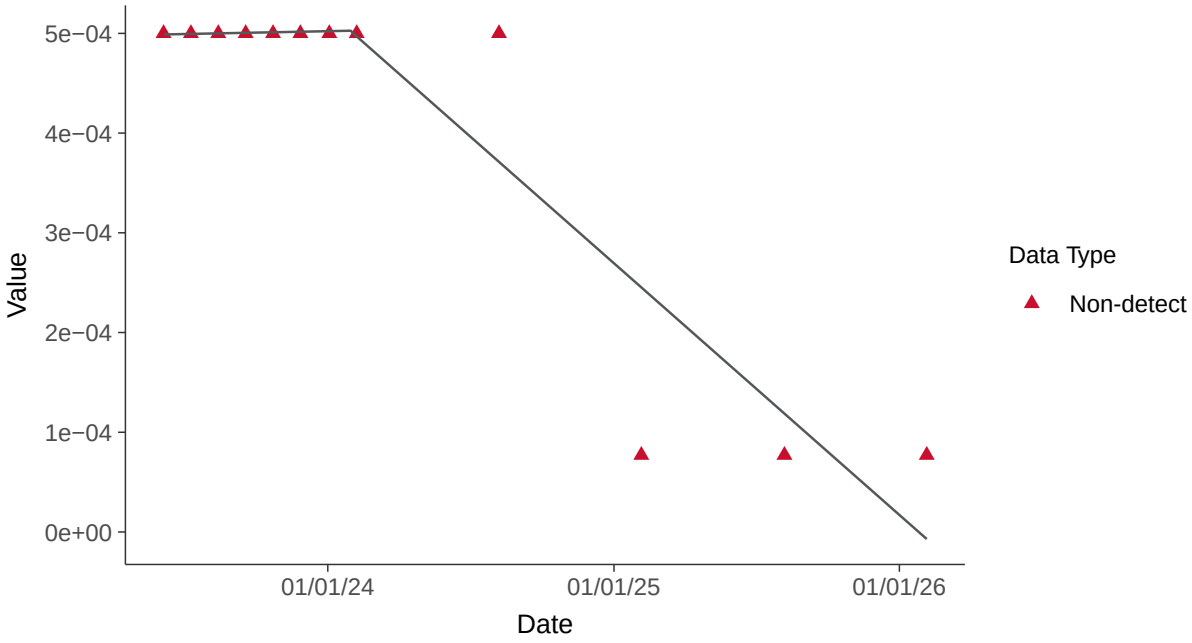
Boxplot by Season

Cadmium, MW-100A (mg/l)



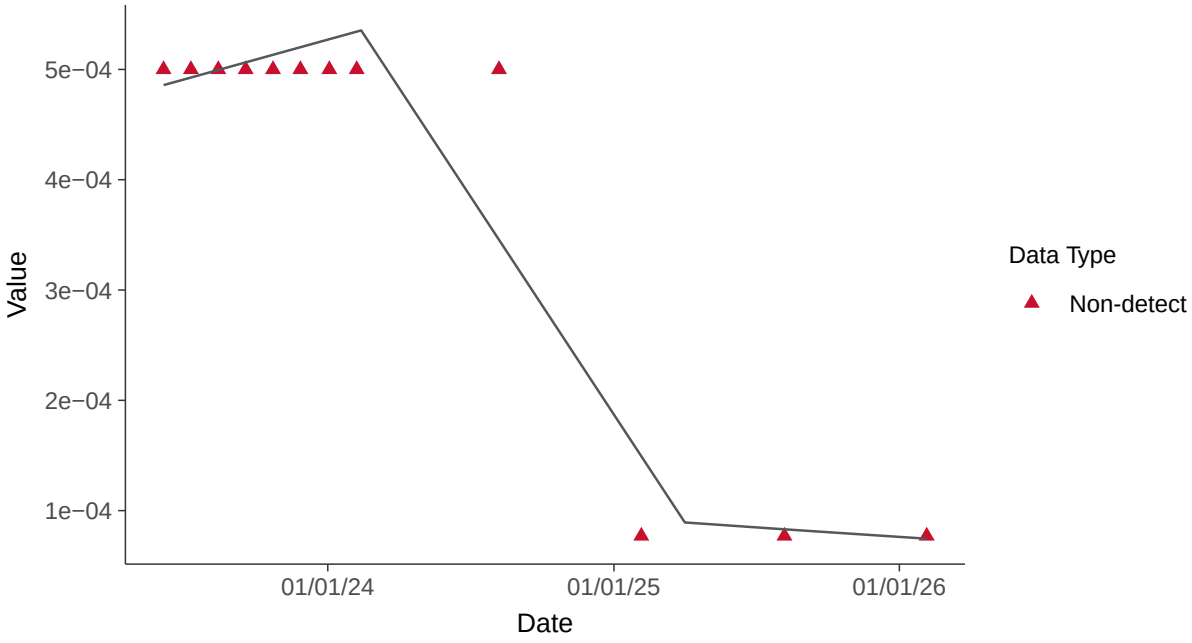
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-100A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Cadmium, MW-100A (mg/l)

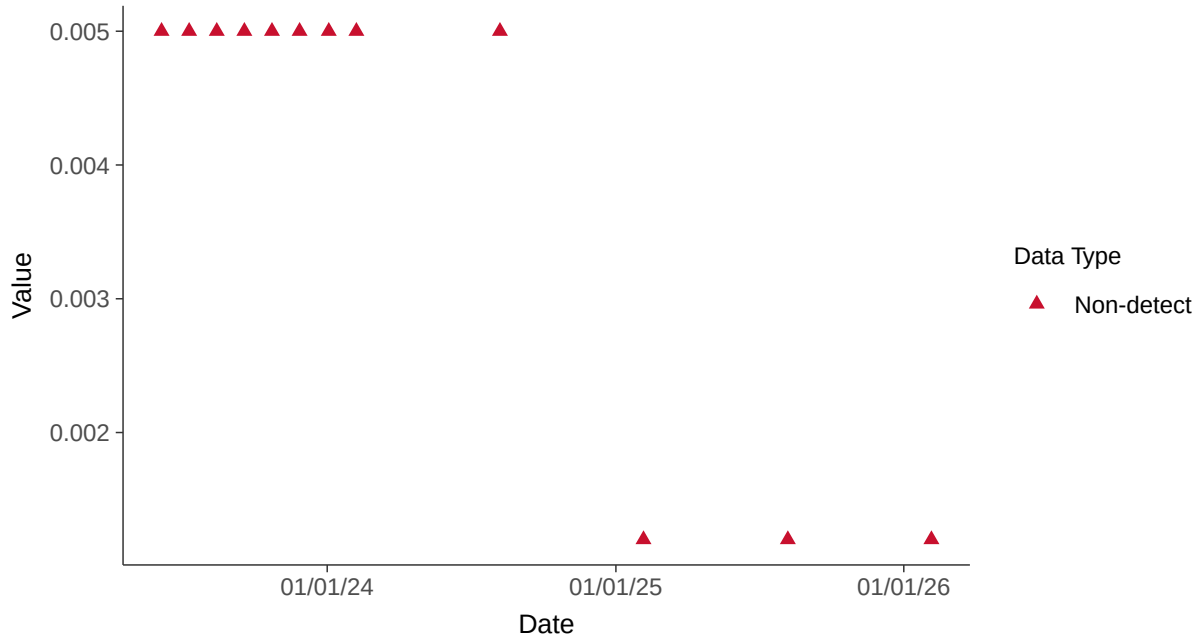


Appendix IV: Chromium, MW-100A

ID: 32_3_109

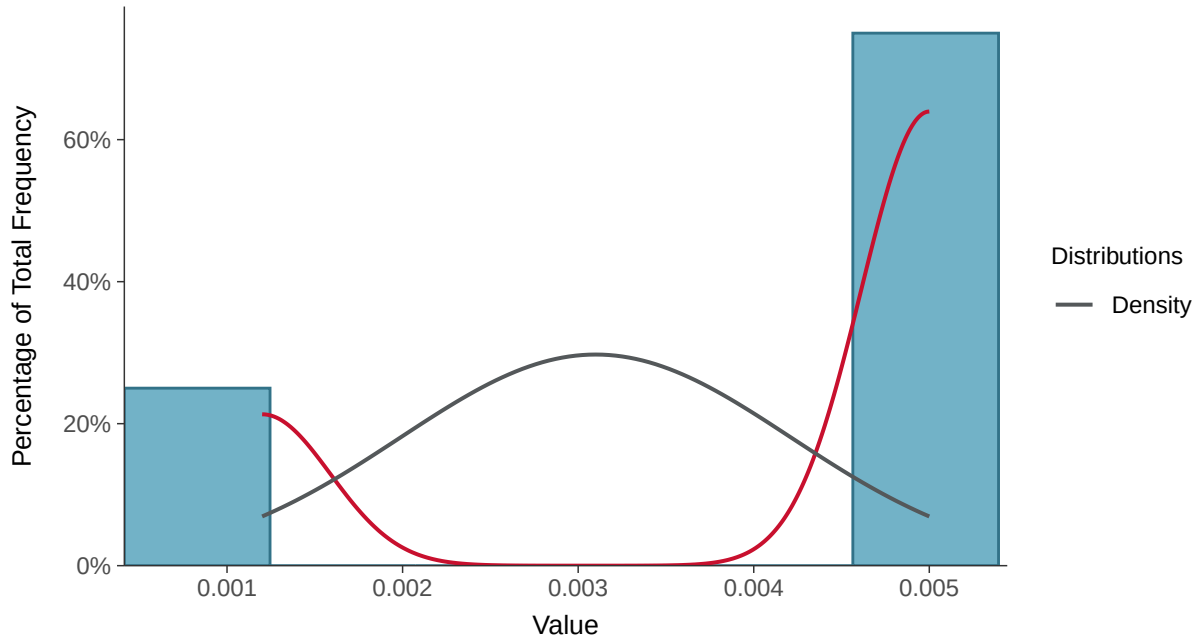
Scatter Plot

Chromium, MW-100A (mg/l)



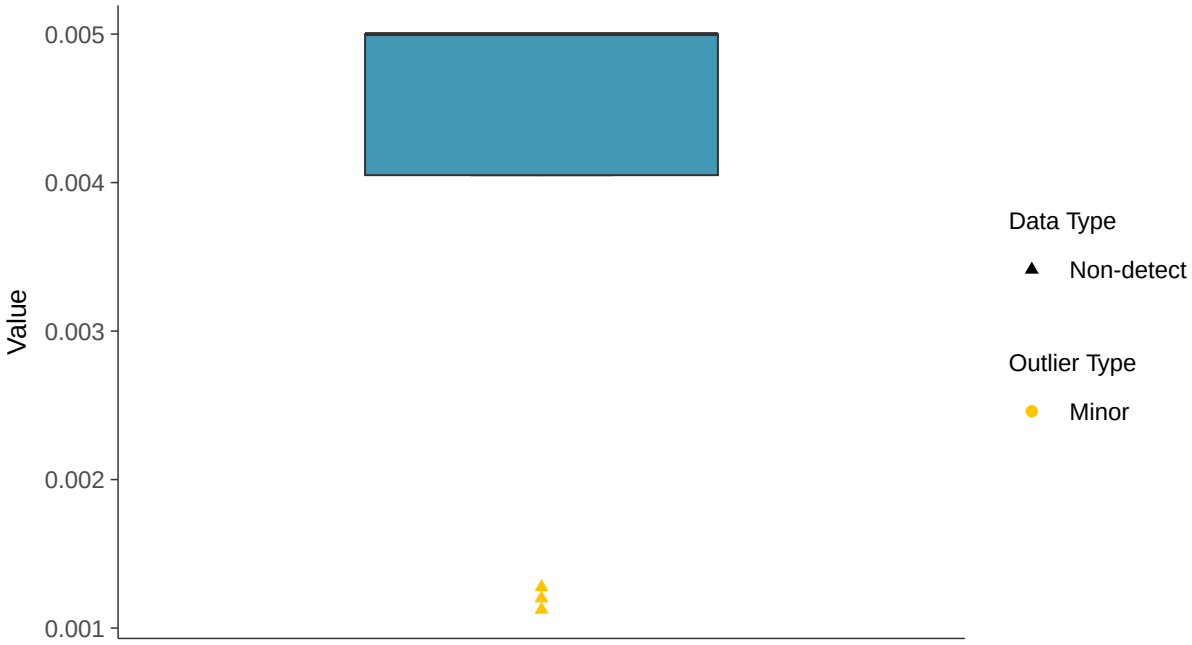
Histogram

Chromium, MW-100A (mg/l)



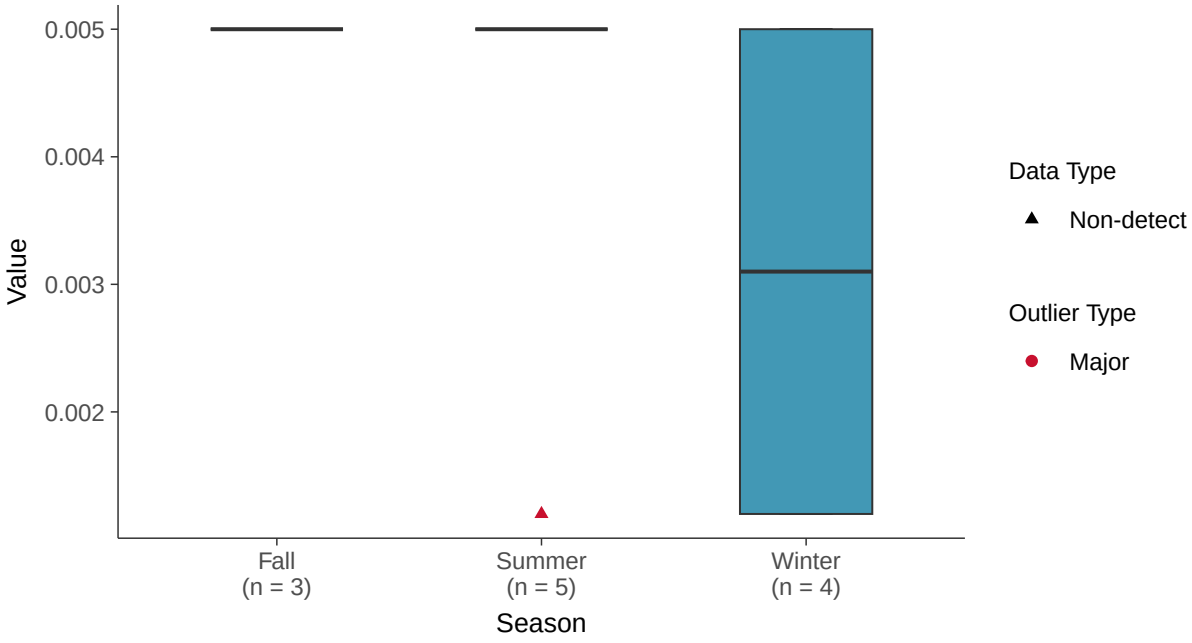
Boxplot

Chromium, MW-100A (mg/l)



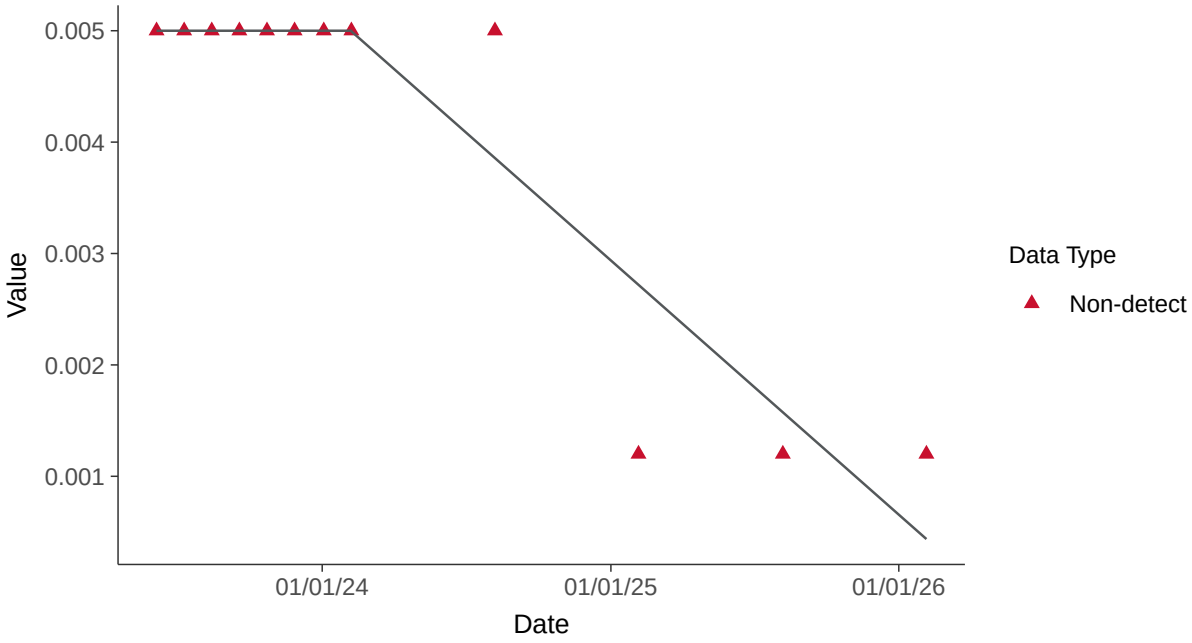
Boxplot by Season

Chromium, MW-100A (mg/l)



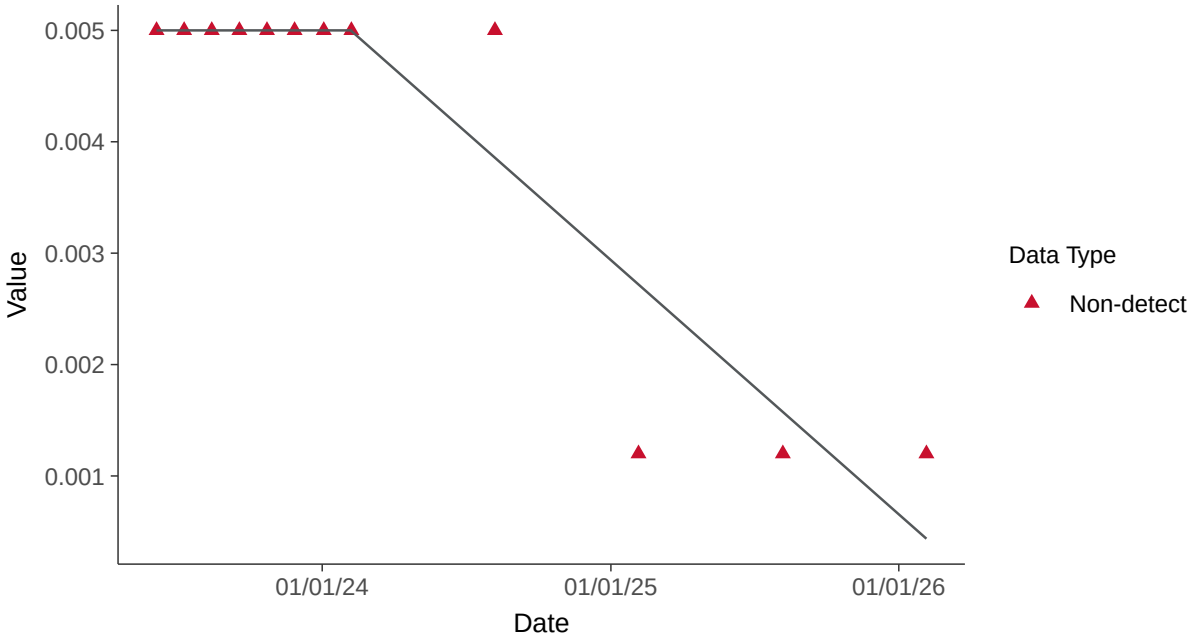
Trend Regression: Piecewise Linear-Linear

Chromium, MW-100A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Chromium, MW-100A (mg/l)

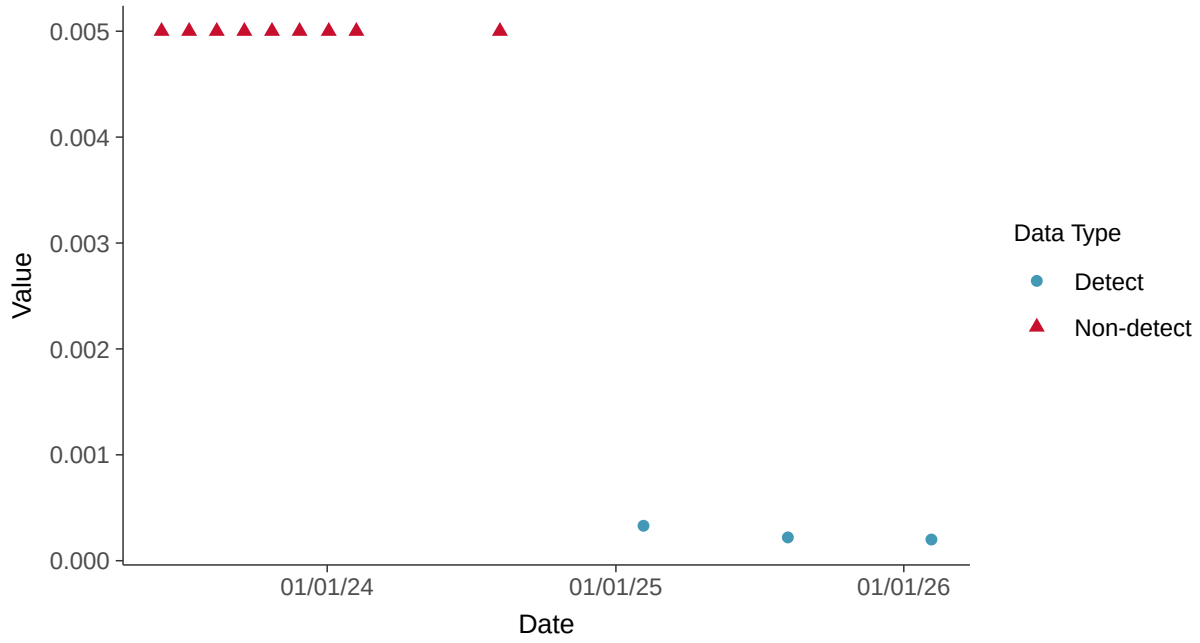


Appendix IV: Cobalt, MW-100A

ID: 32_3_110

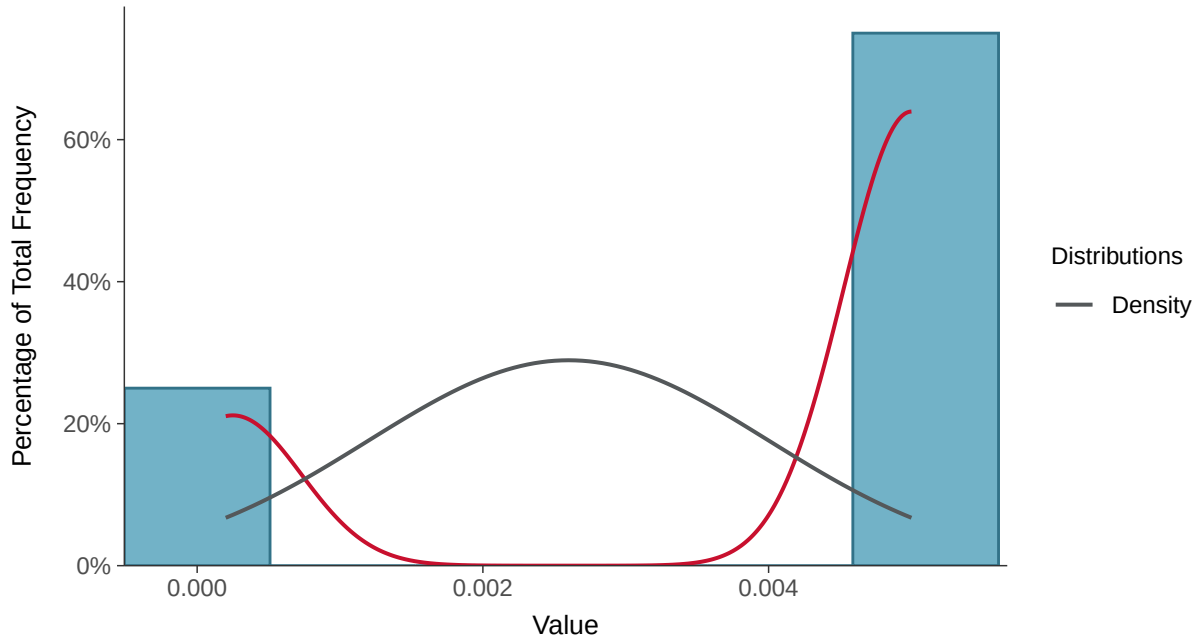
Scatter Plot

Cobalt, MW-100A (mg/l)



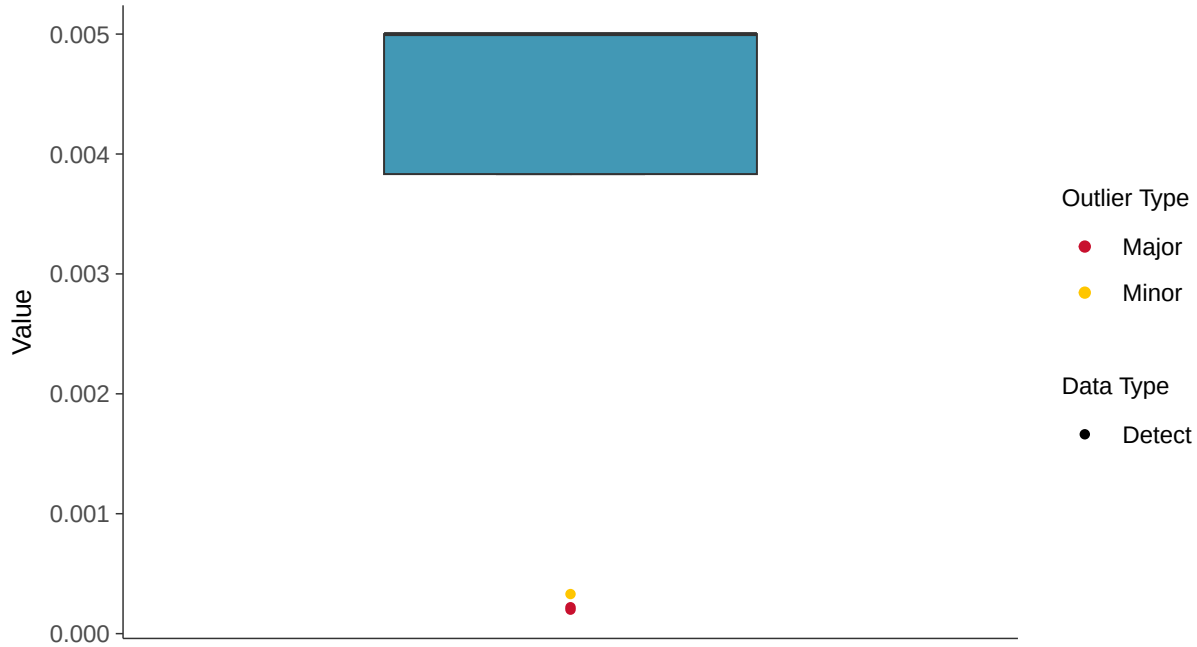
Histogram

Cobalt, MW-100A (mg/l)



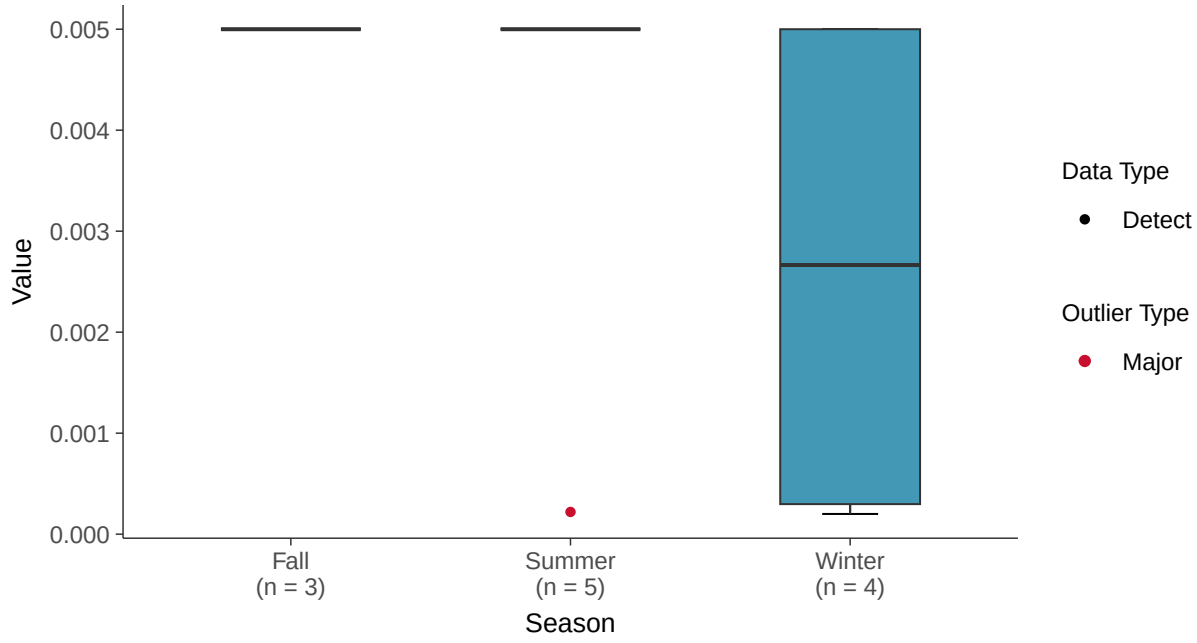
Boxplot

Cobalt, MW-100A (mg/l)



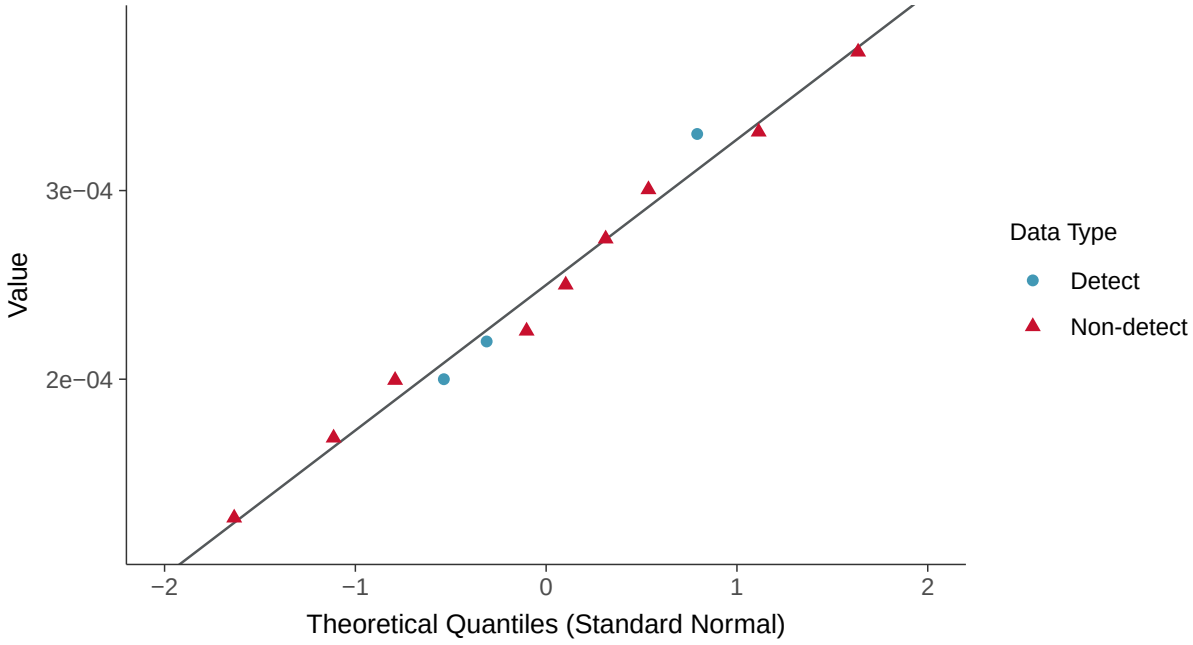
Boxplot by Season

Cobalt, MW-100A (mg/l)



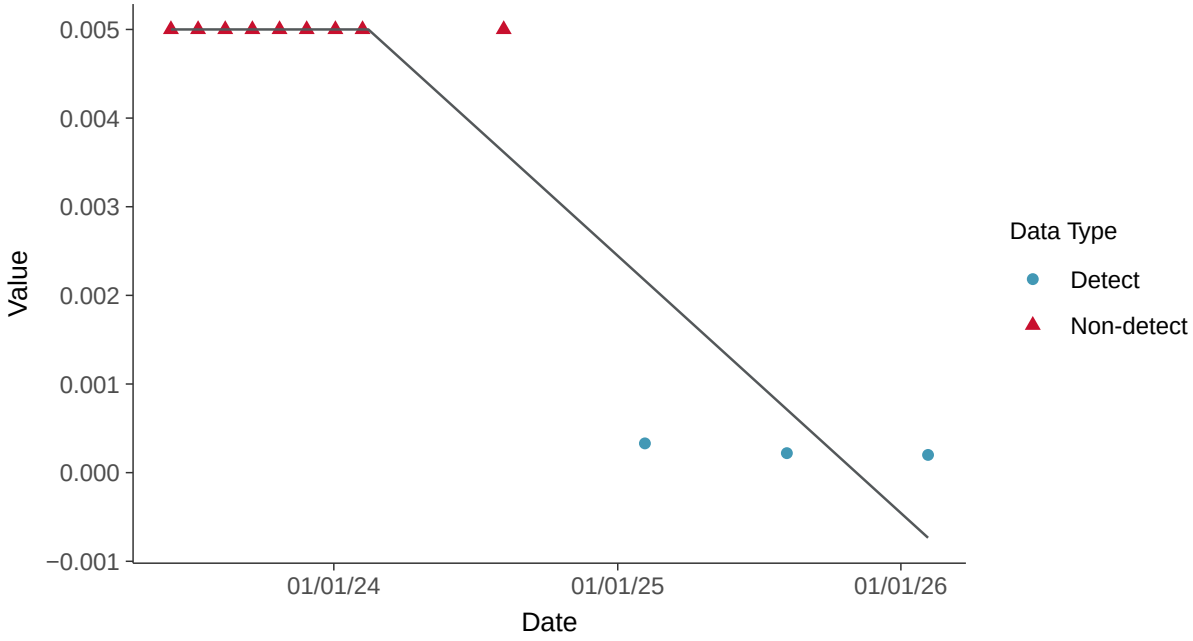
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-100A (mg/l)



Trend Regression: Piecewise Linear-Linear

Cobalt, MW-100A (mg/l)

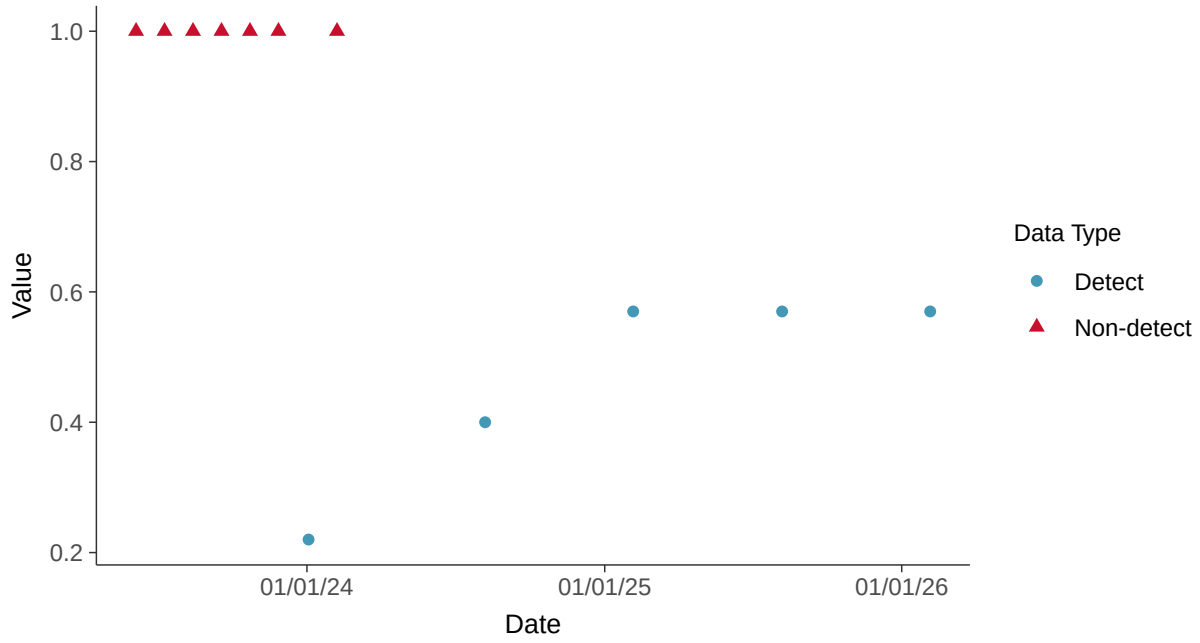


Appendix IV: Fluoride (App IV), MW-100A

ID: 32_3_113

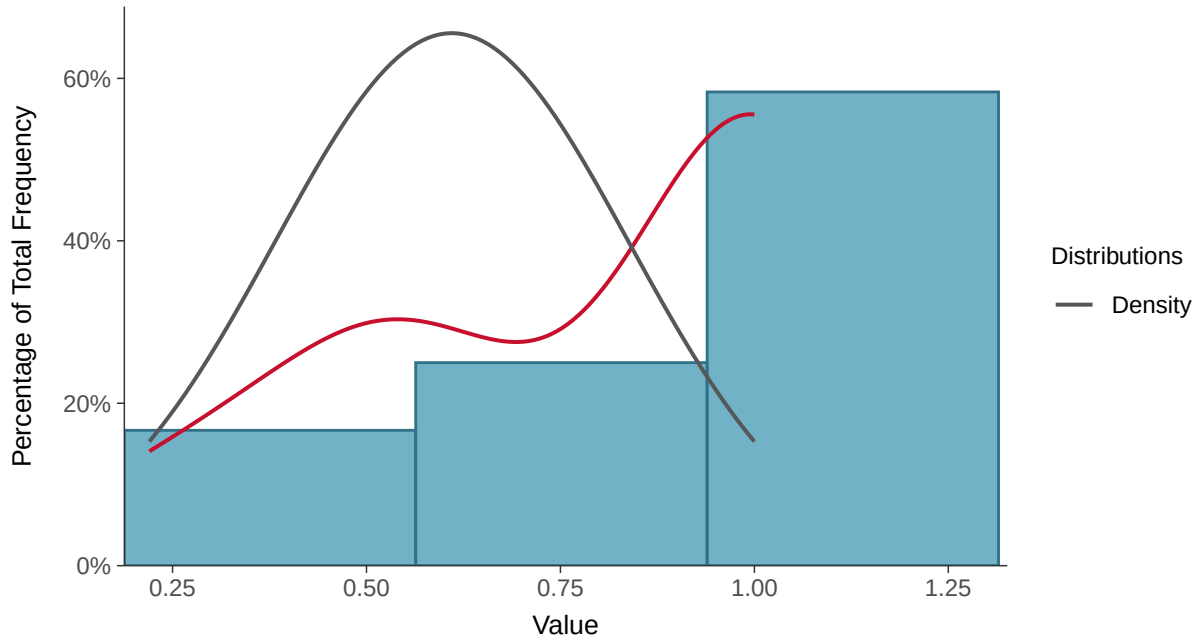
Scatter Plot

Fluoride (App IV), MW-100A (mg/l)



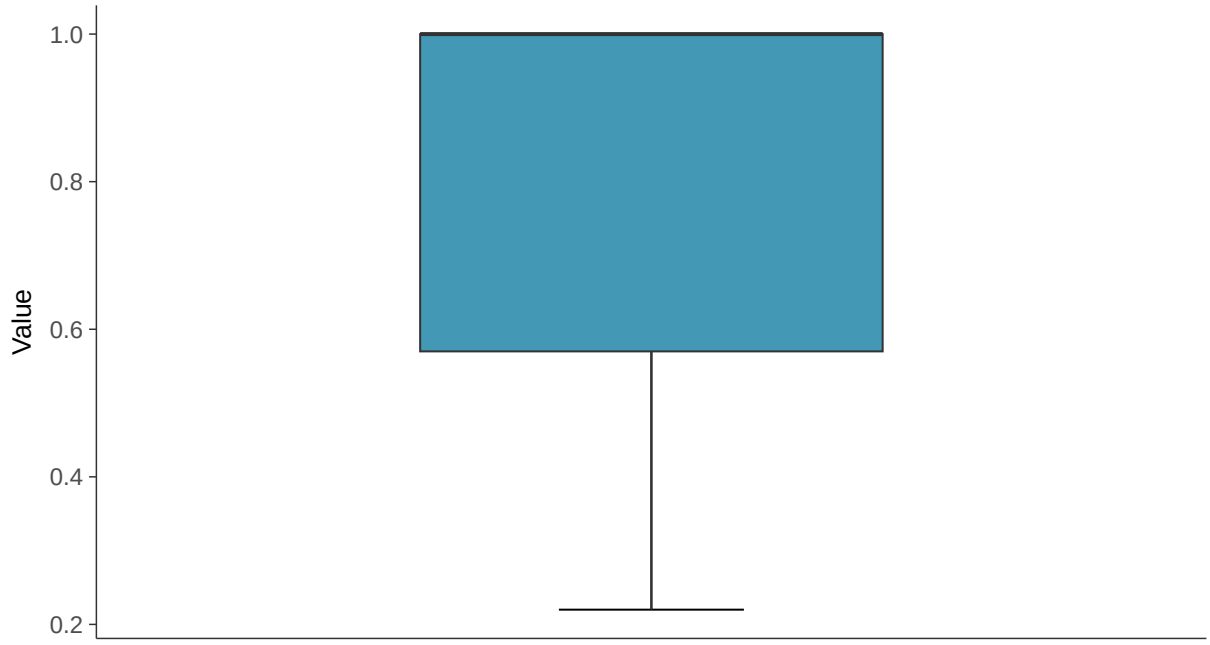
Histogram

Fluoride (App IV), MW-100A (mg/l)



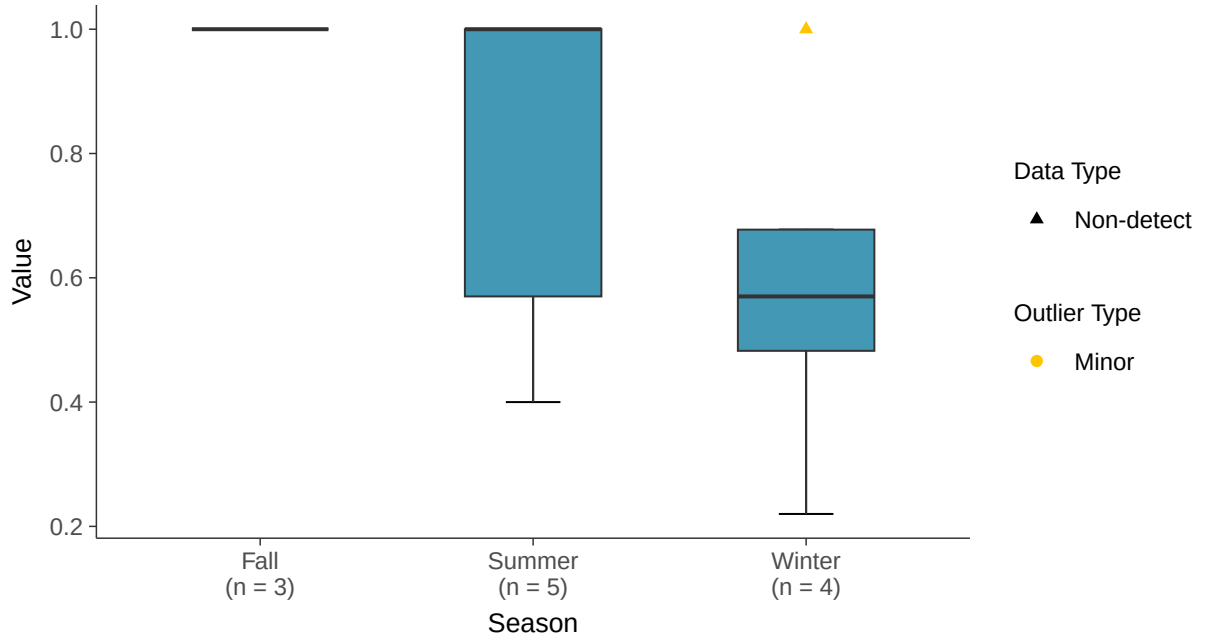
Boxplot

Fluoride (App IV), MW-100A (mg/l)



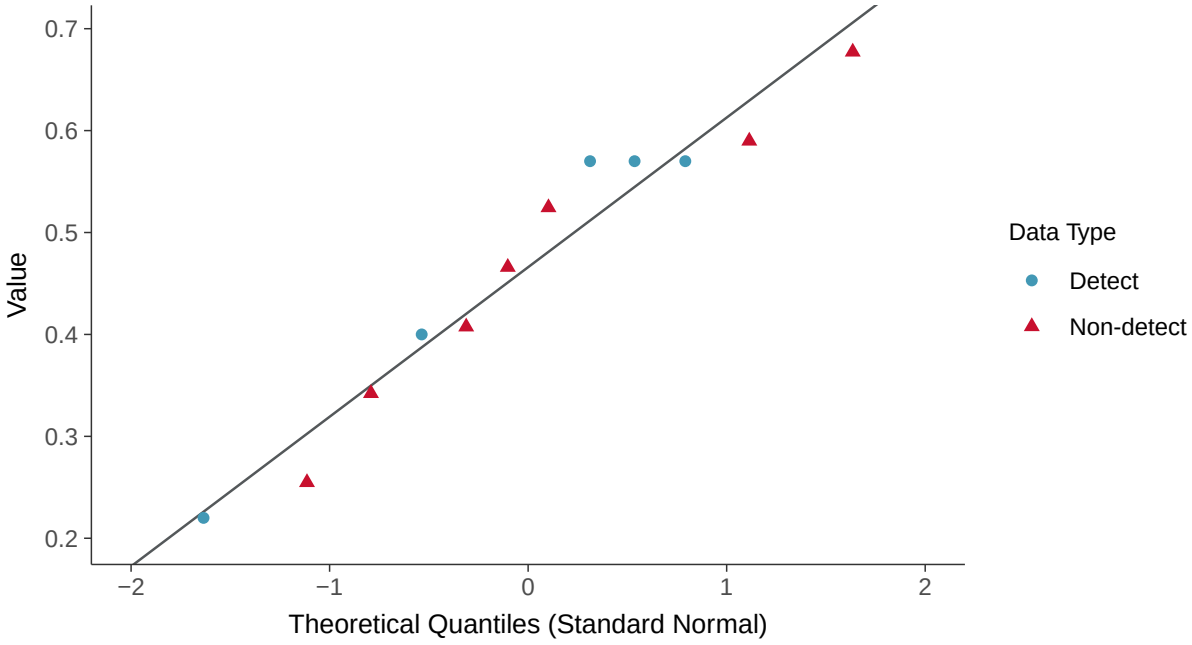
Boxplot by Season

Fluoride (App IV), MW-100A (mg/l)



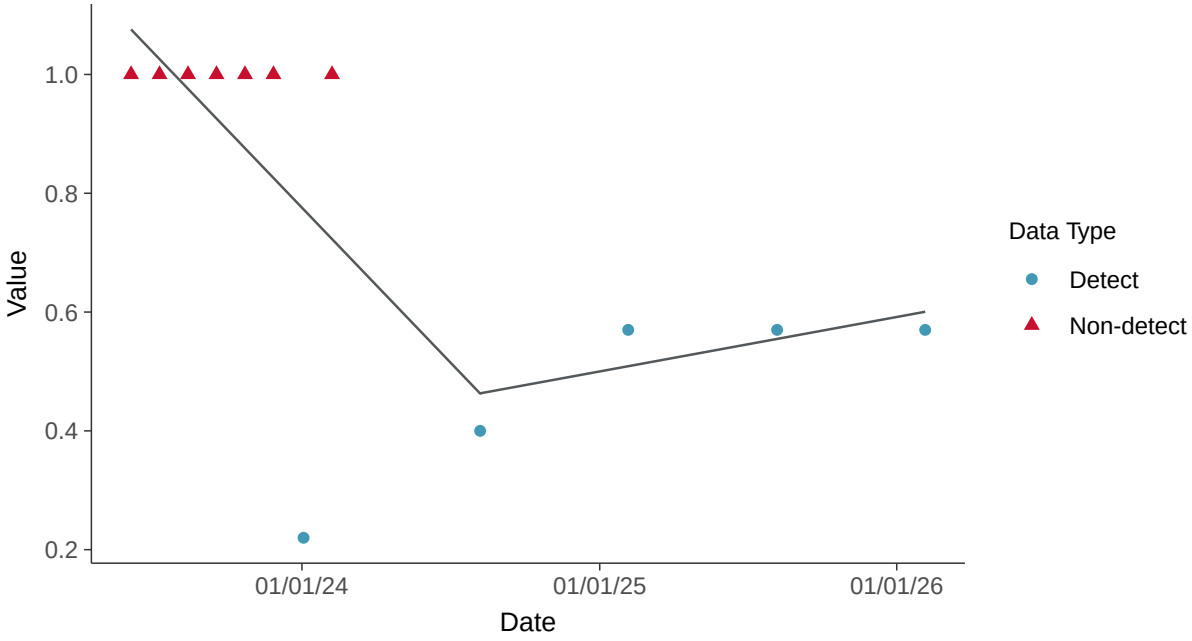
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-100A (mg/l)



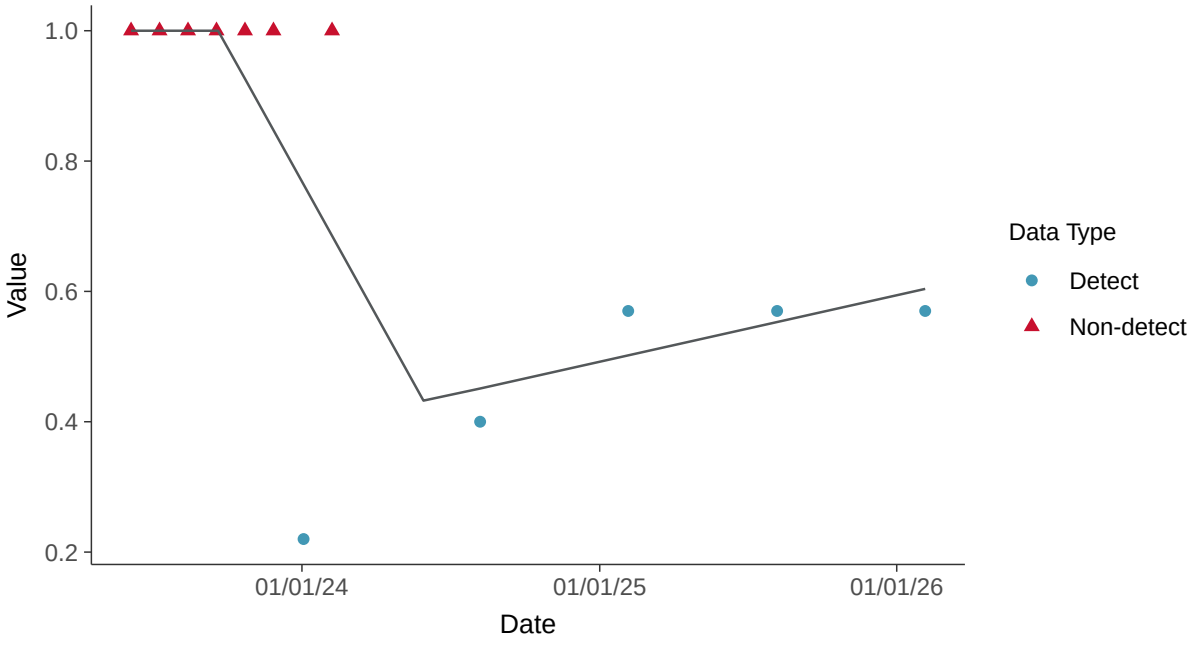
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-100A (mg/l)



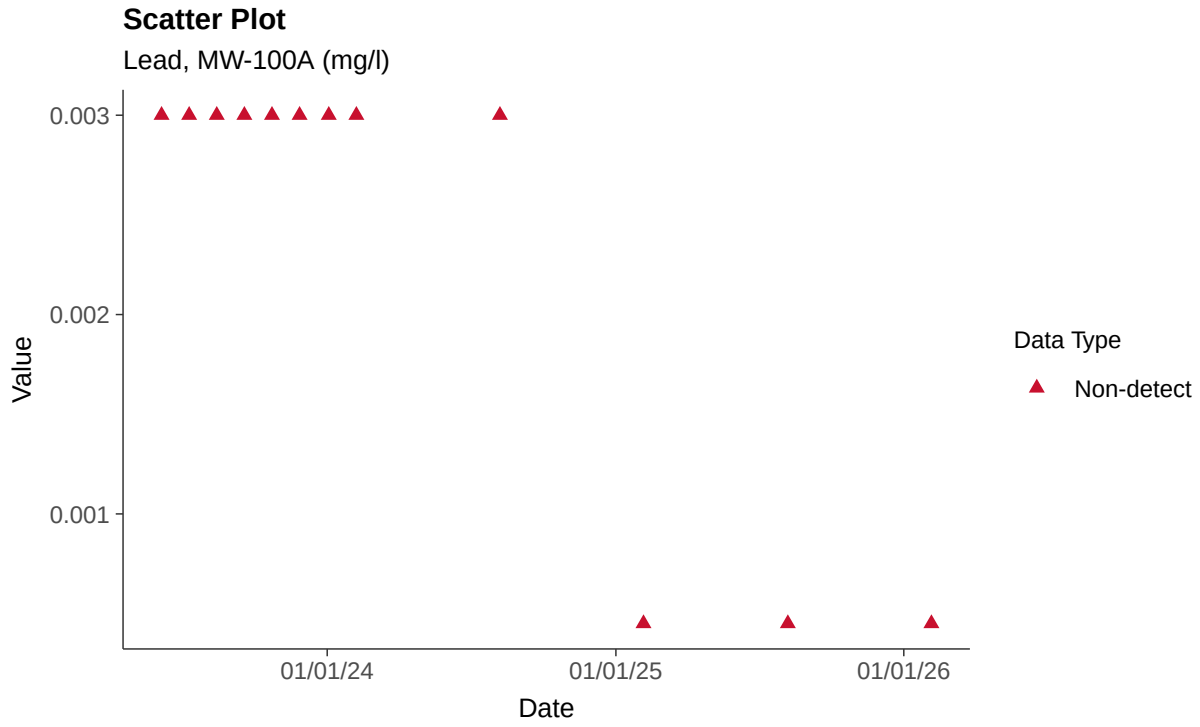
Trend Regression: Piecewise Linear-Linear-Linear

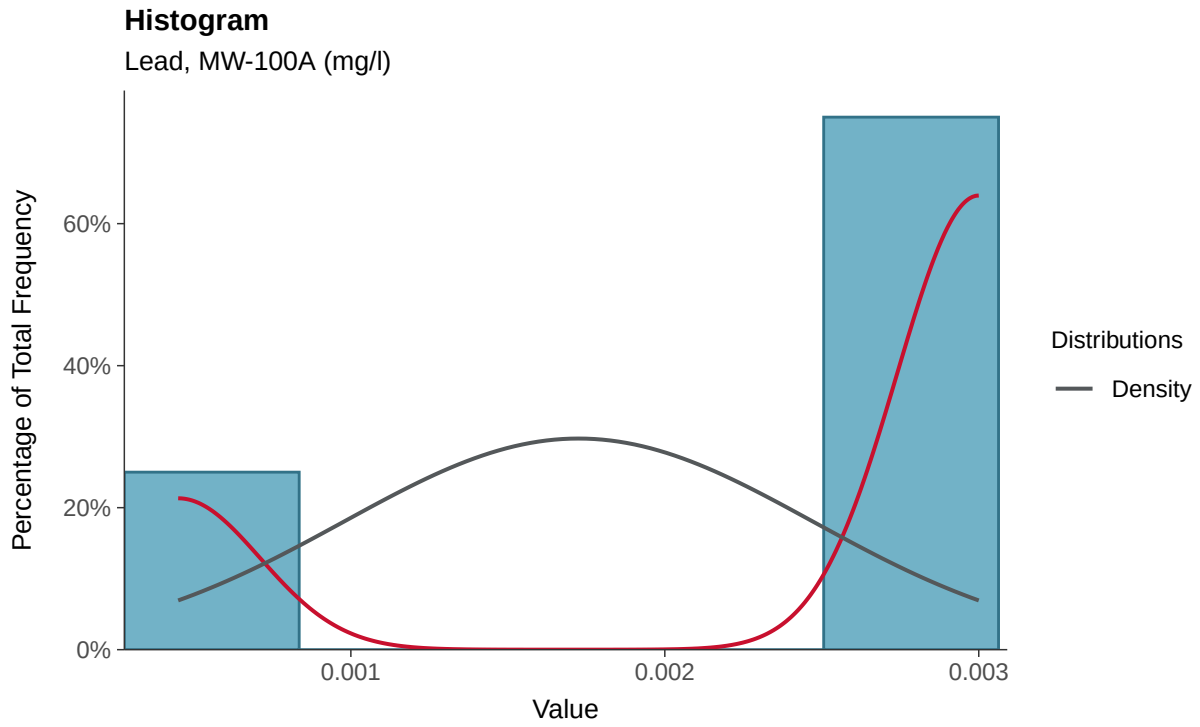
Fluoride (App IV), MW-100A (mg/l)



Appendix IV: Lead, MW-100A

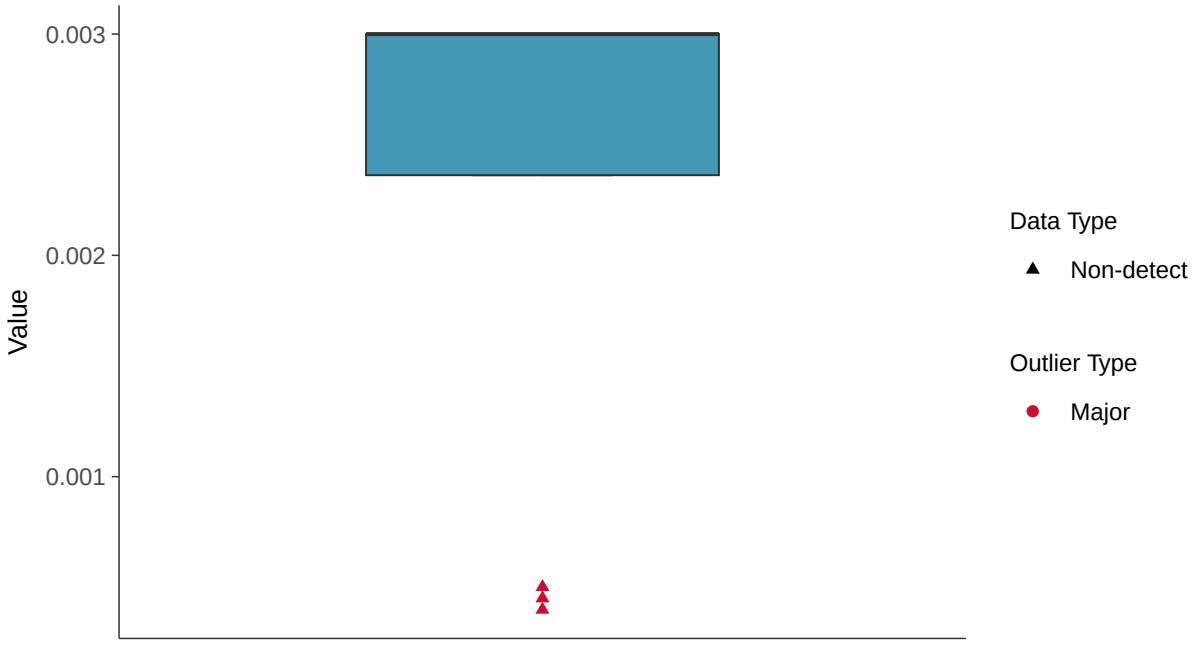
ID: 32_3_115





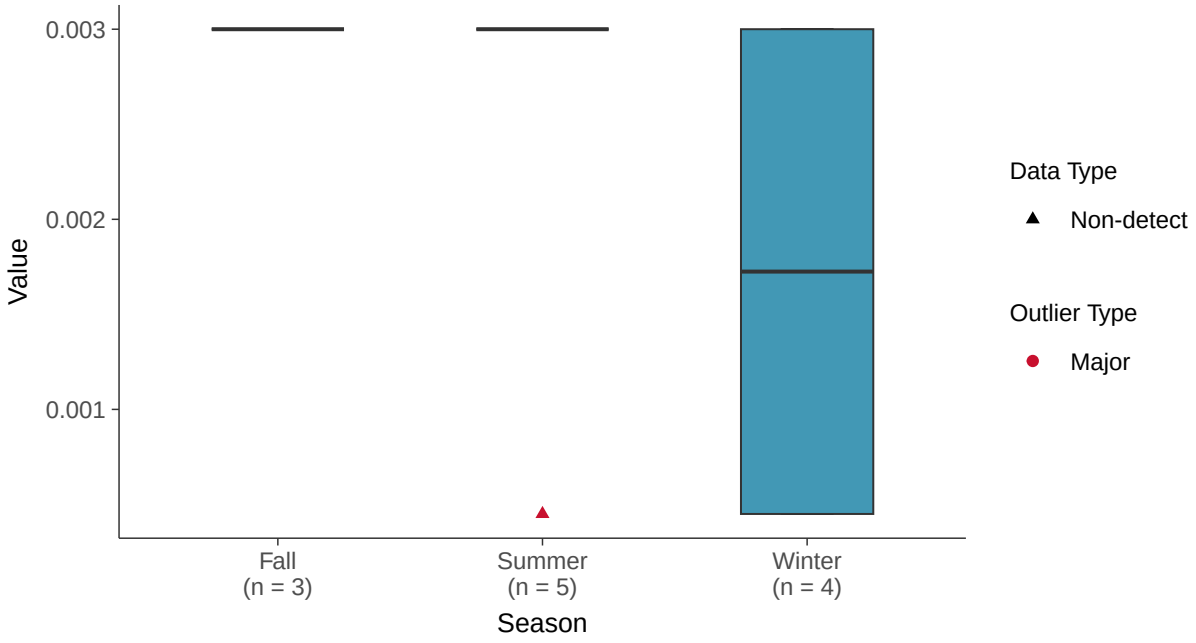
Boxplot

Lead, MW-100A (mg/l)



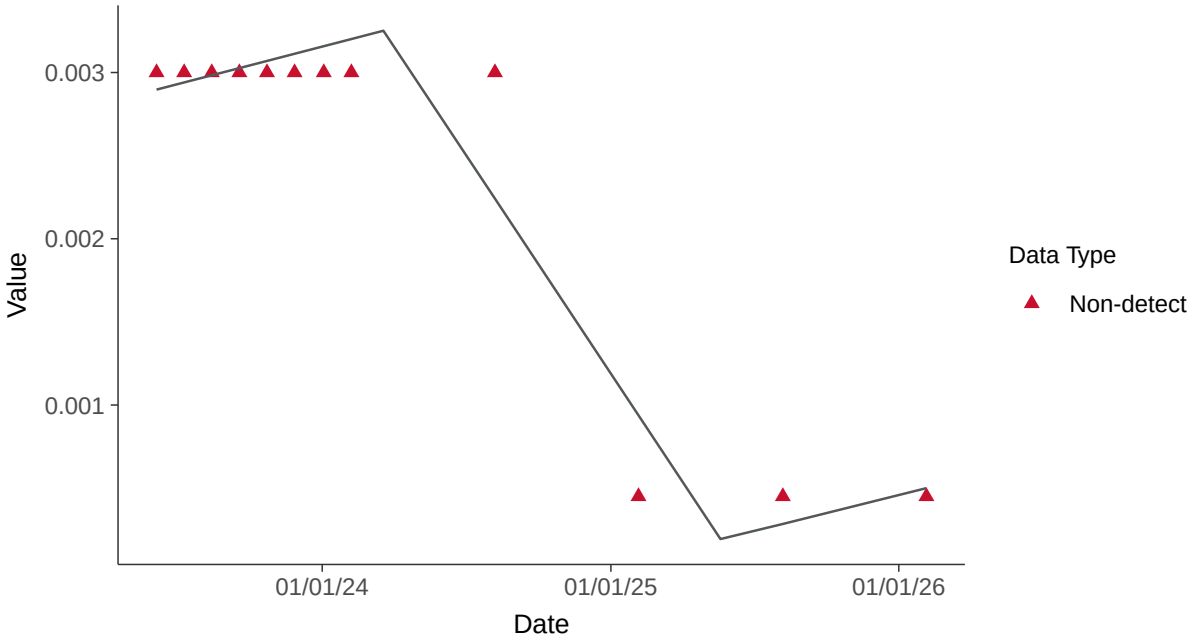
Boxplot by Season

Lead, MW-100A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Lead, MW-100A (mg/l)

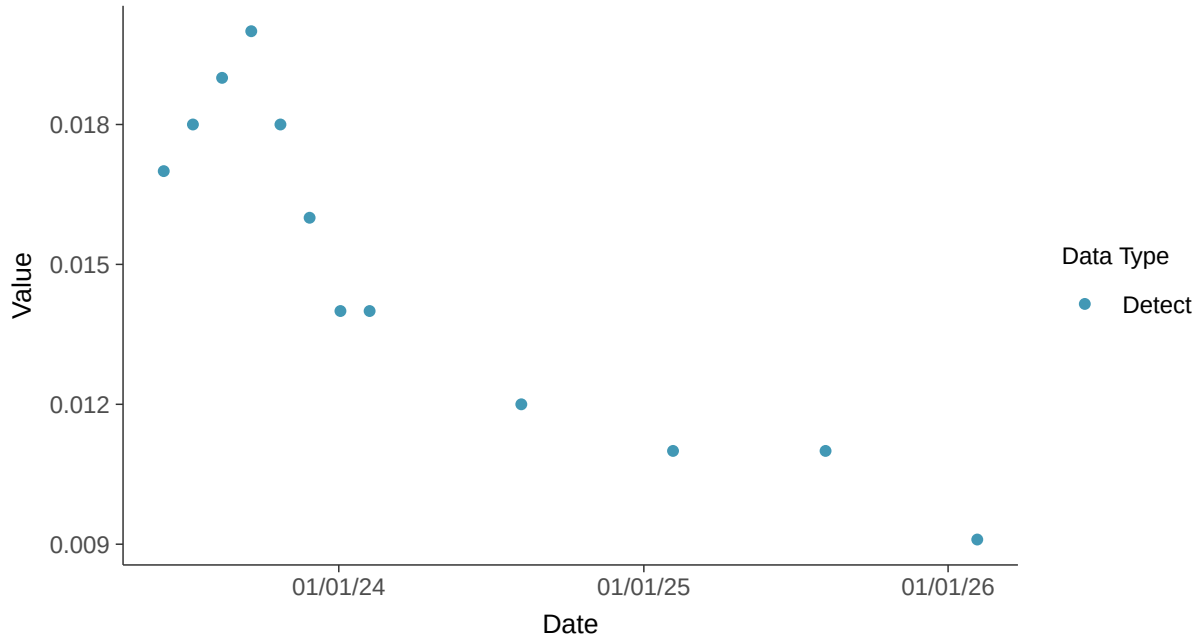


Appendix IV: Lithium, MW-100A

ID: 32_3_116

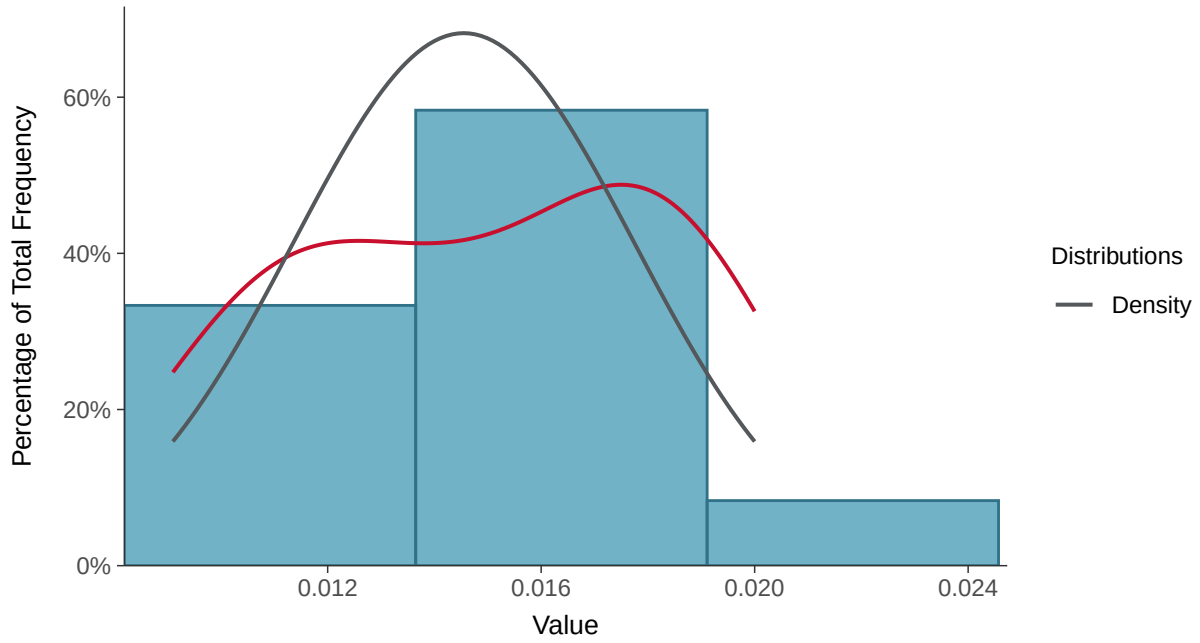
Scatter Plot

Lithium, MW-100A (mg/l)



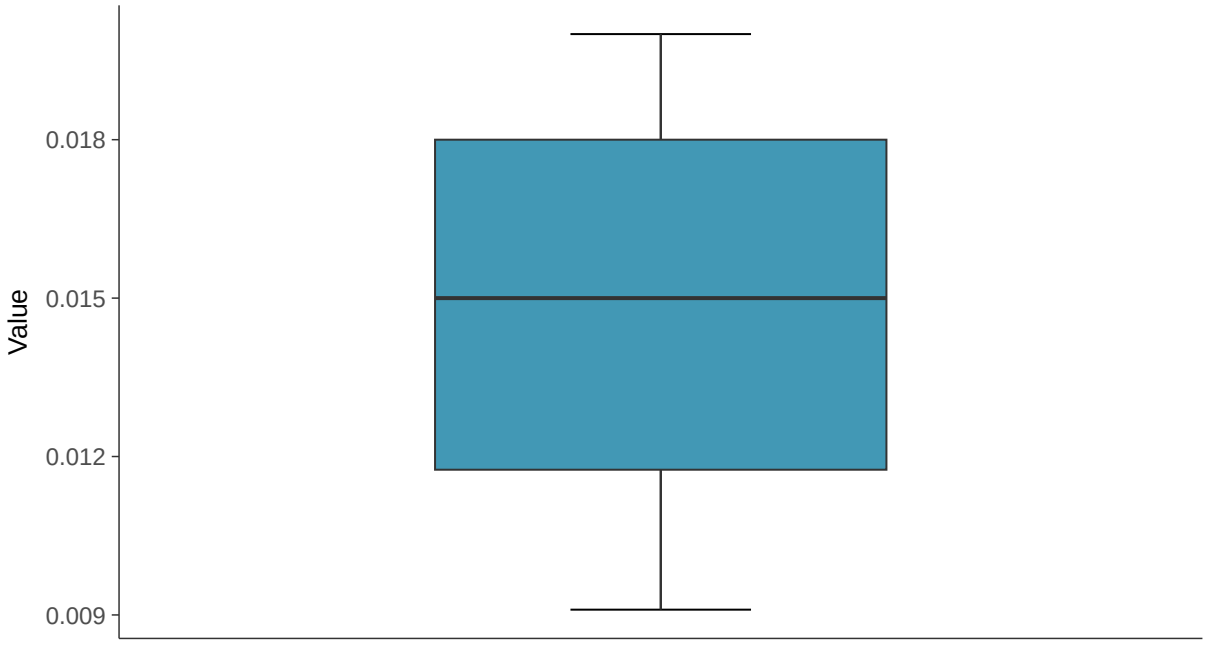
Histogram

Lithium, MW-100A (mg/l)



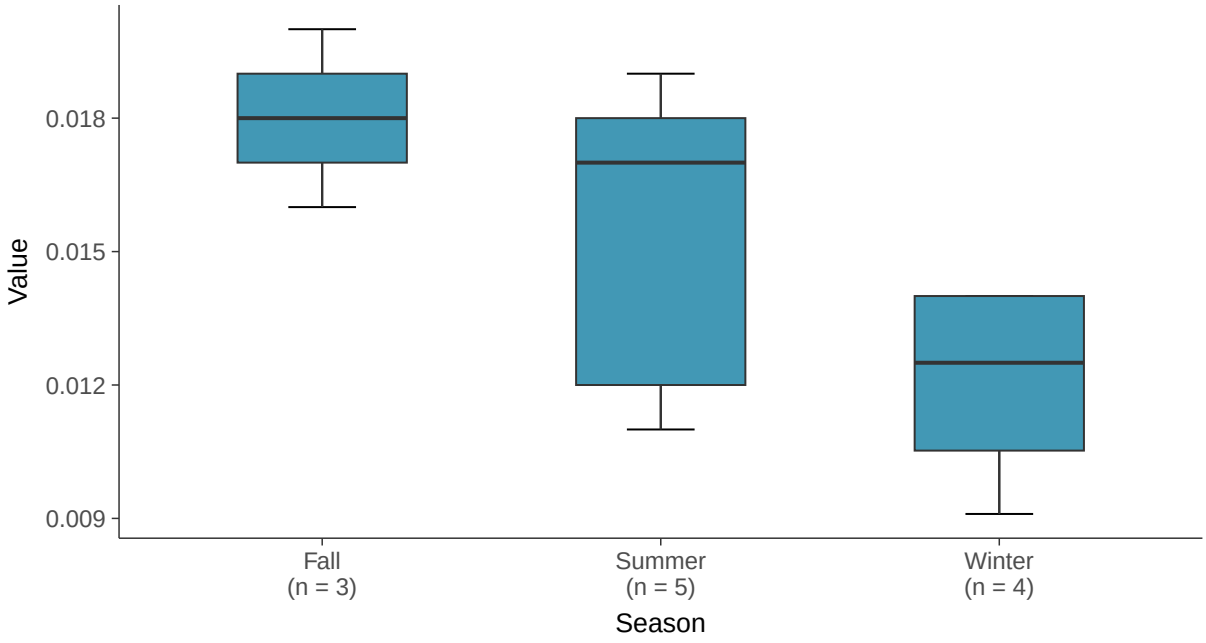
Boxplot

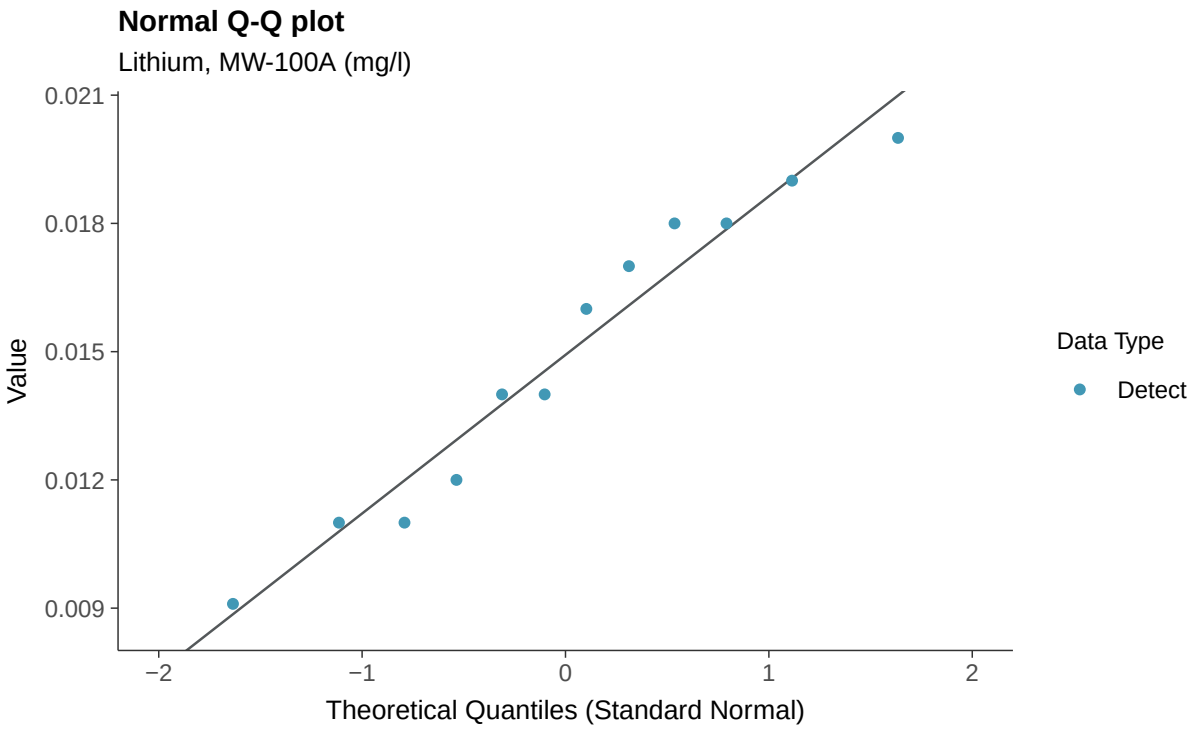
Lithium, MW-100A (mg/l)

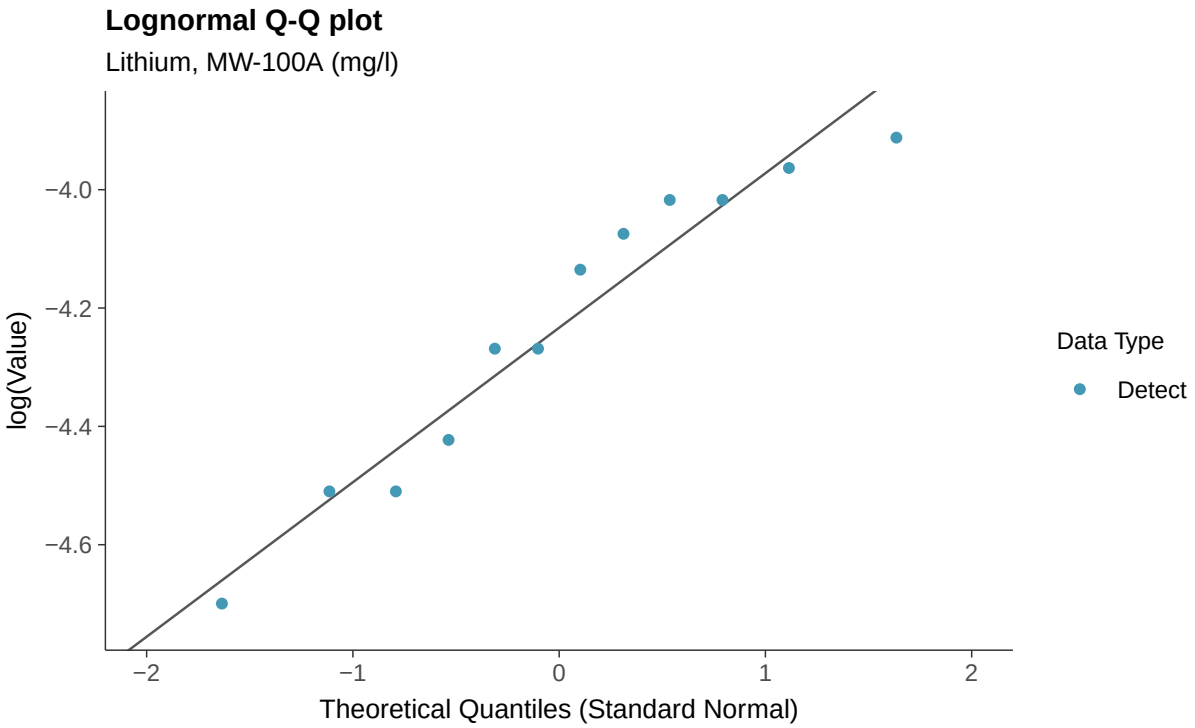


Boxplot by Season

Lithium, MW-100A (mg/l)

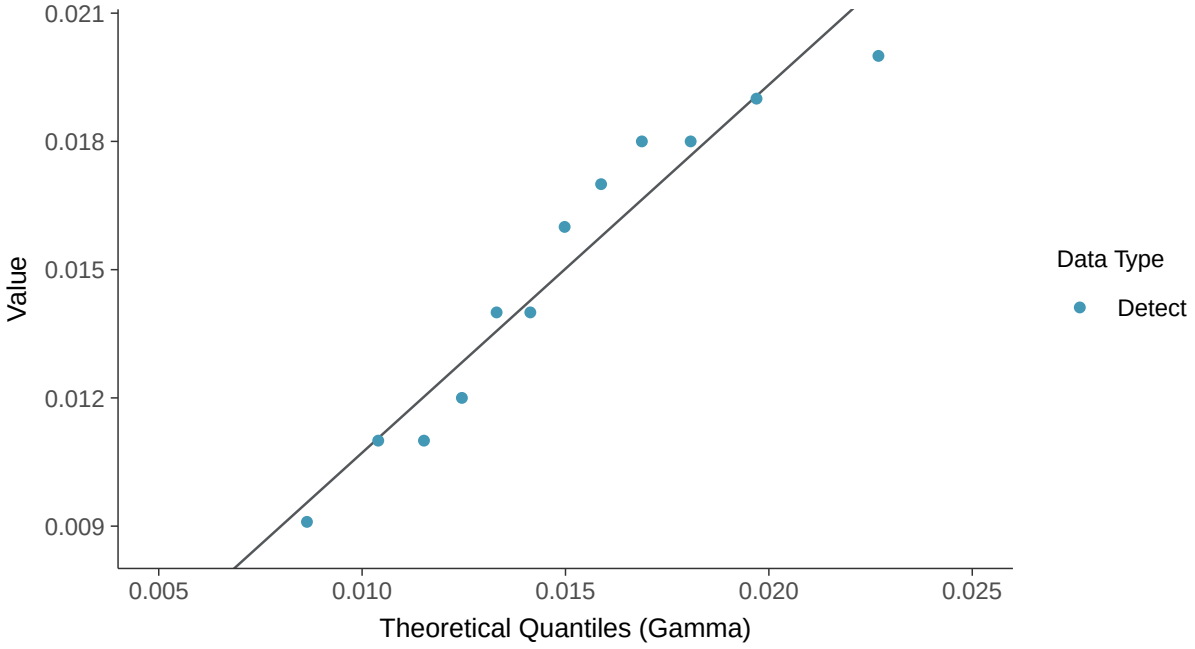



Normal Q-Q plot
Lithium, MW-100A (mg/l)
Value
0.021
0.018
0.015
0.012
0.009
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Lithium, MW-100A (mg/l)
log(Value)
−4.0
−4.2
−4.4
−4.6
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

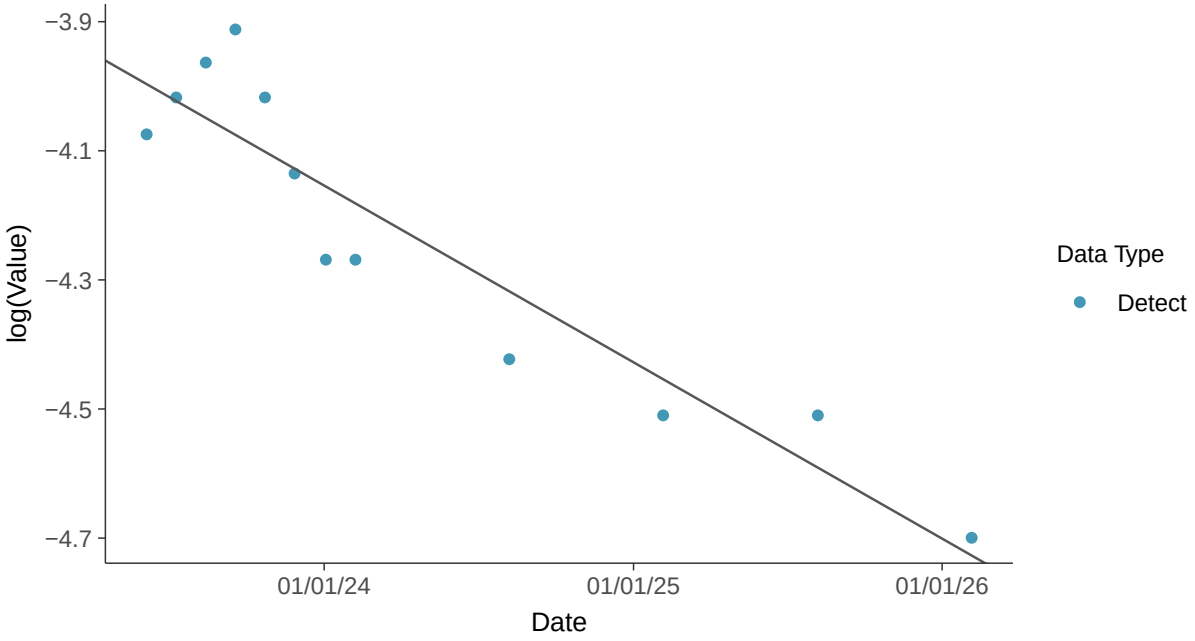
Gamma Q-Q plot

Lithium, MW-100A (mg/l)



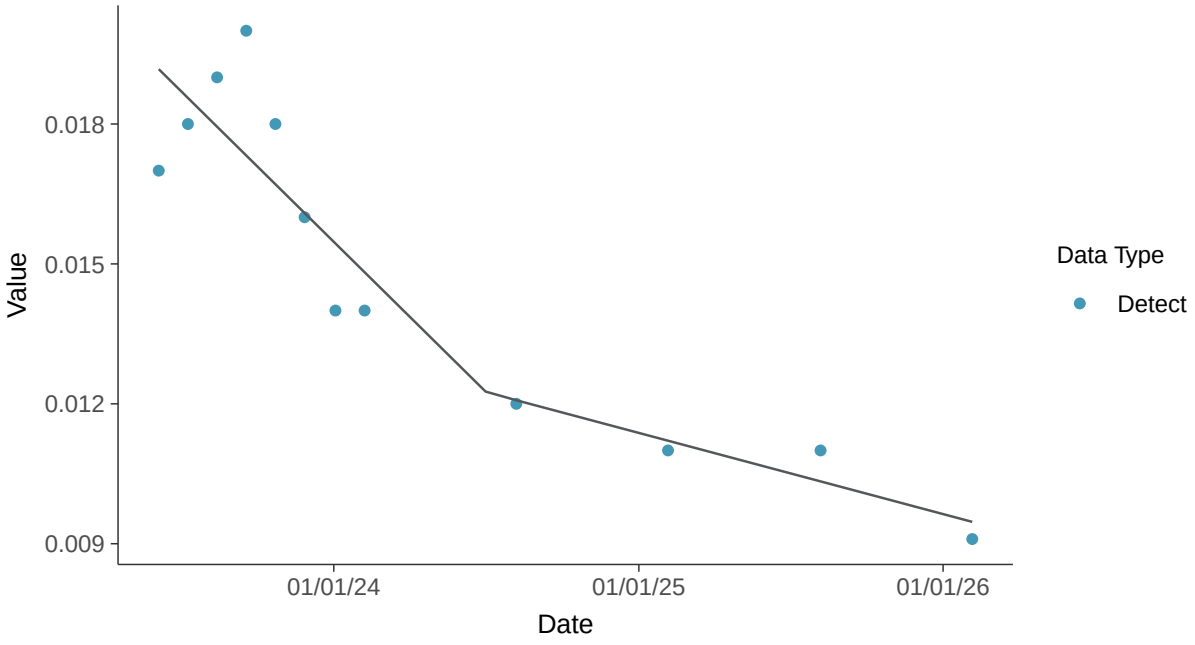
Trend Regression: Lognormal MLE

Lithium, MW-100A (mg/l)



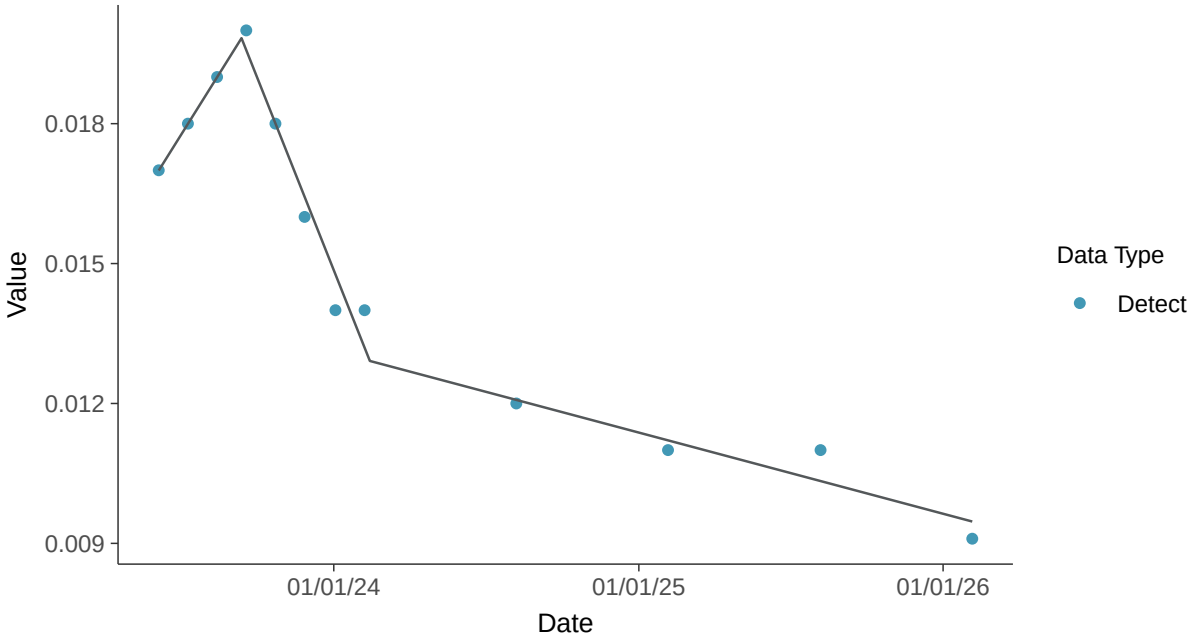
Trend Regression: Piecewise Linear-Linear

Lithium, MW-100A (mg/l)



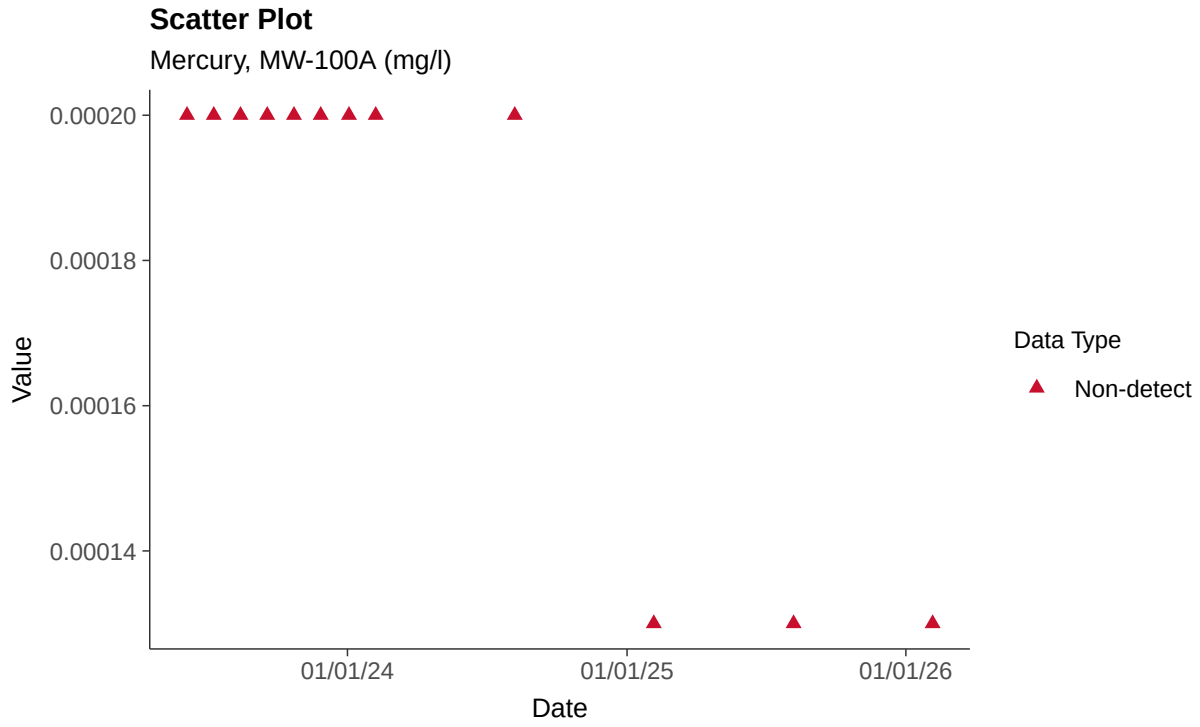
Trend Regression: Piecewise Linear-Linear-Linear

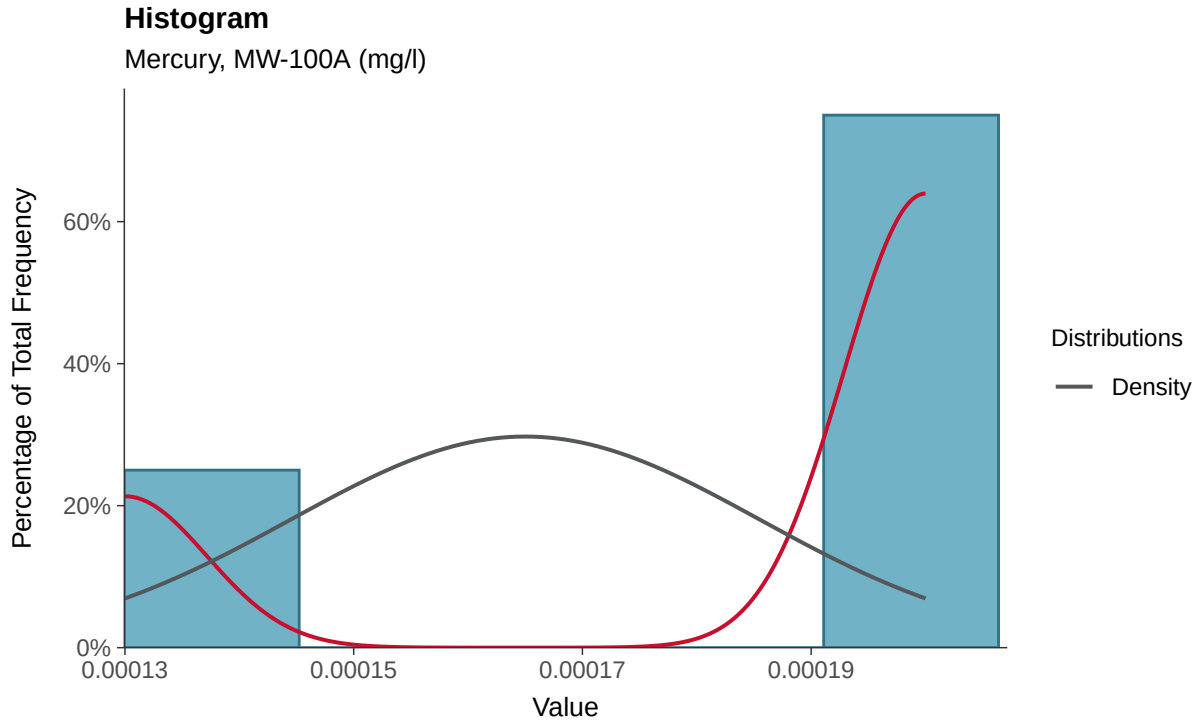
Lithium, MW-100A (mg/l)



Appendix IV: Mercury, MW-100A

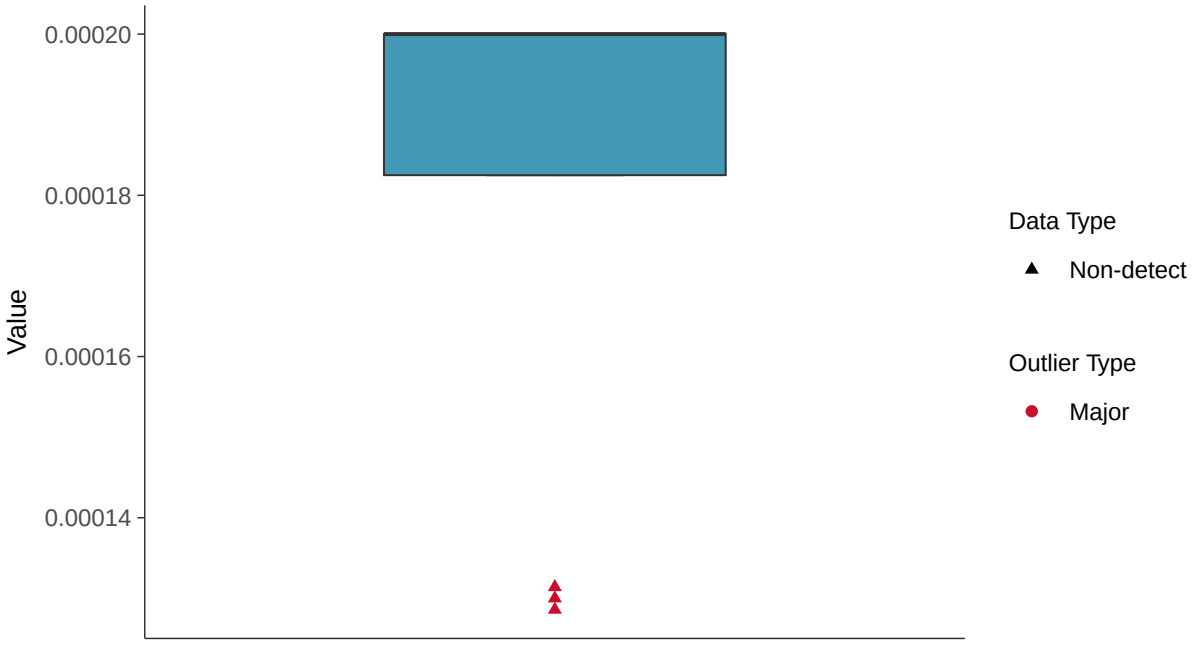
ID: 32_3_117





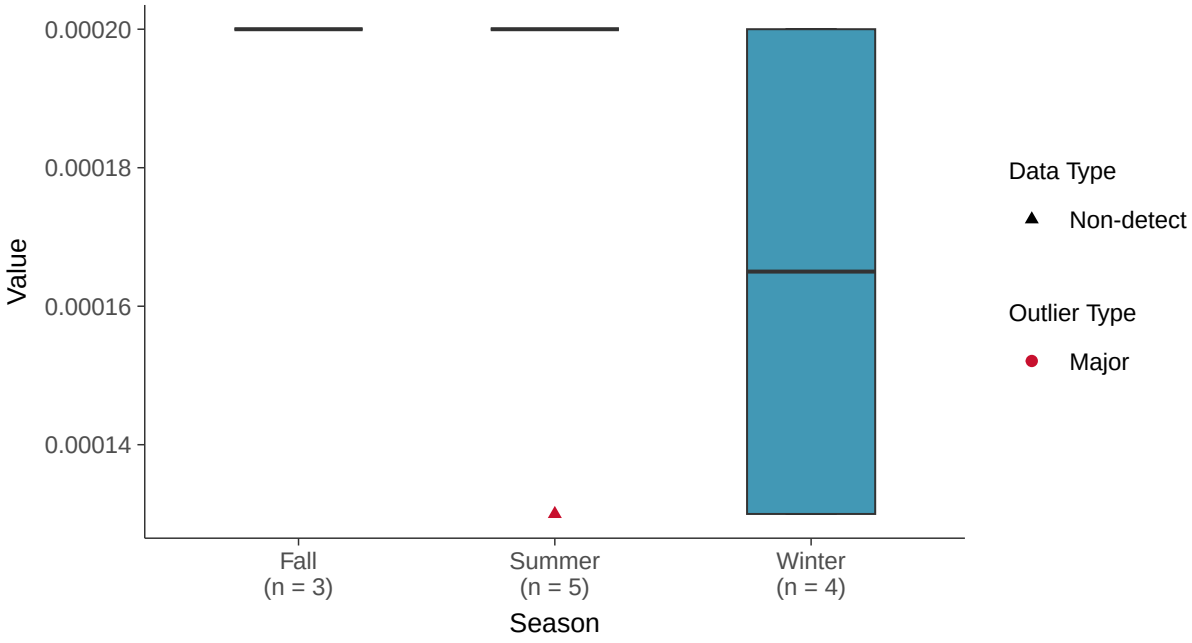
Boxplot

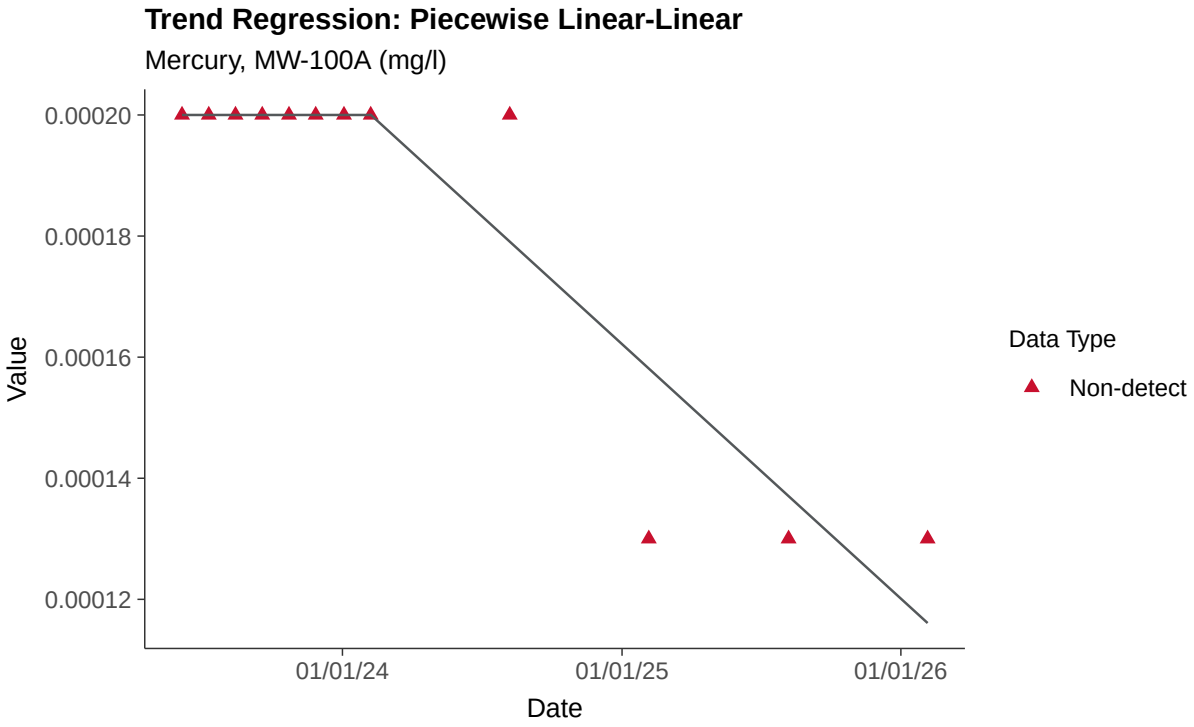
Mercury, MW-100A (mg/l)



Boxplot by Season

Mercury, MW-100A (mg/l)



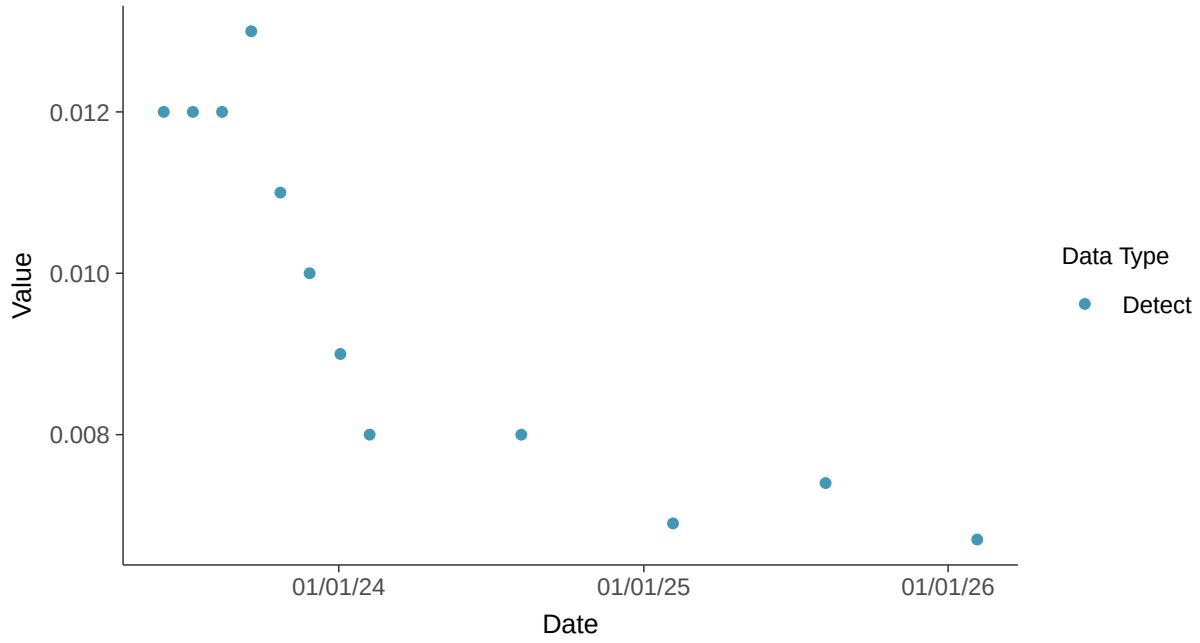

Trend Regression: Piecewise Linear-Linear
Mercury, MW-100A (mg/l)
0.00020
0.00018
0.00016
0.00014
0.00012
Value
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Molybdenum, MW-100A

ID: 32_3_118

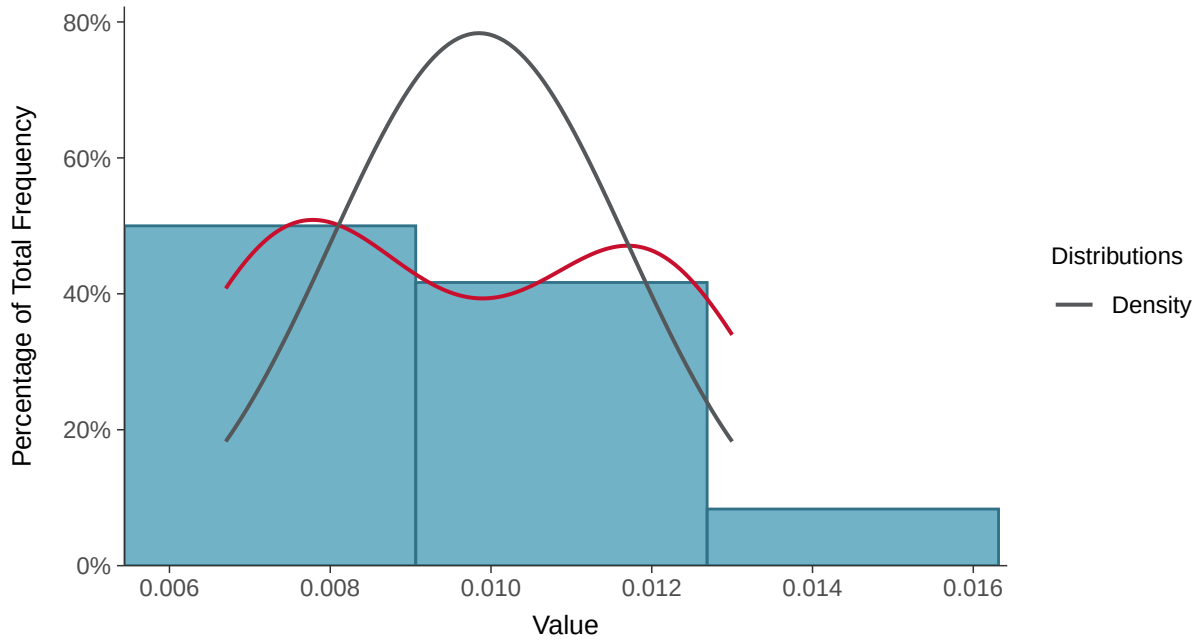
Scatter Plot

Molybdenum, MW-100A (mg/l)



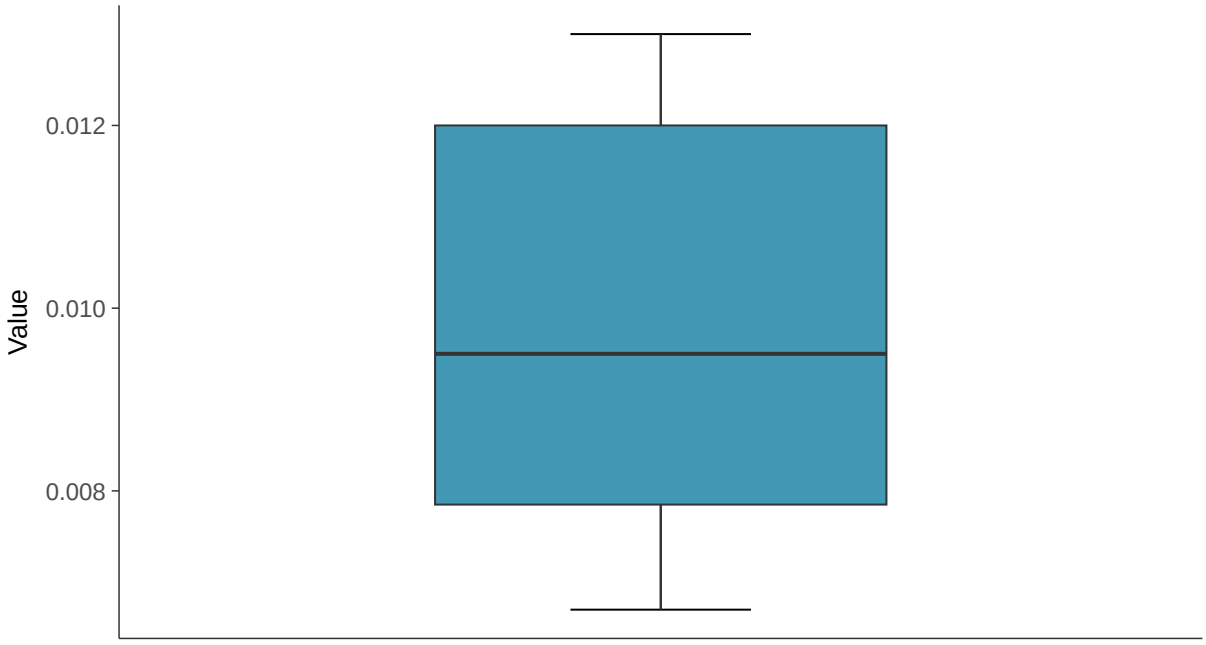
Histogram

Molybdenum, MW-100A (mg/l)



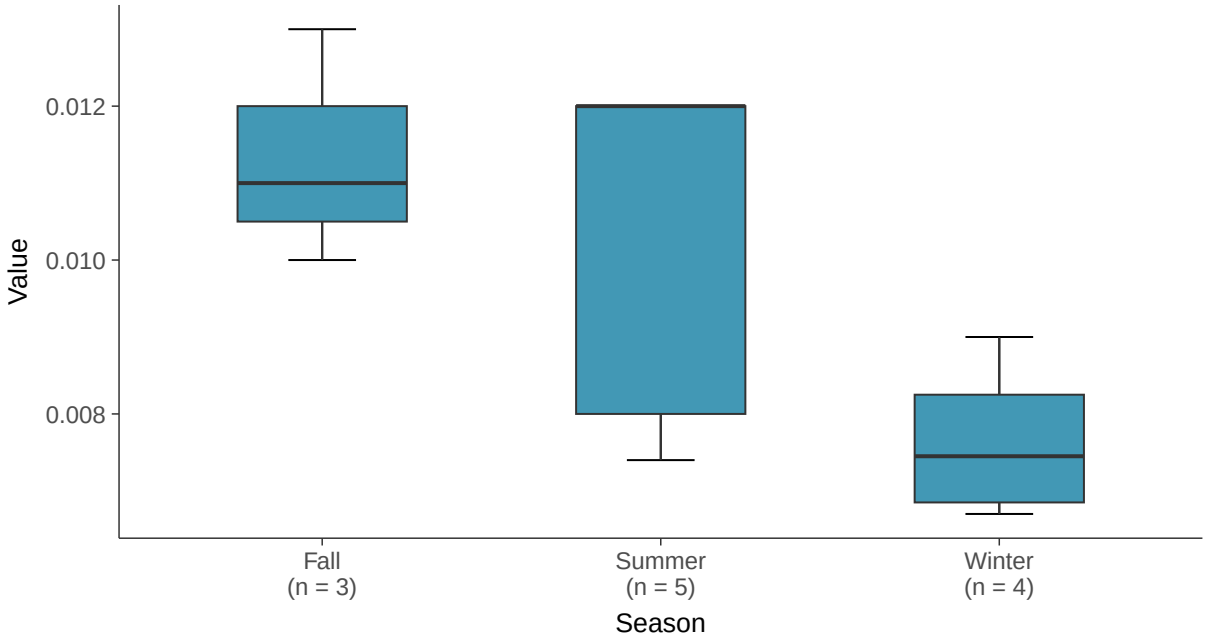
Boxplot

Molybdenum, MW-100A (mg/l)



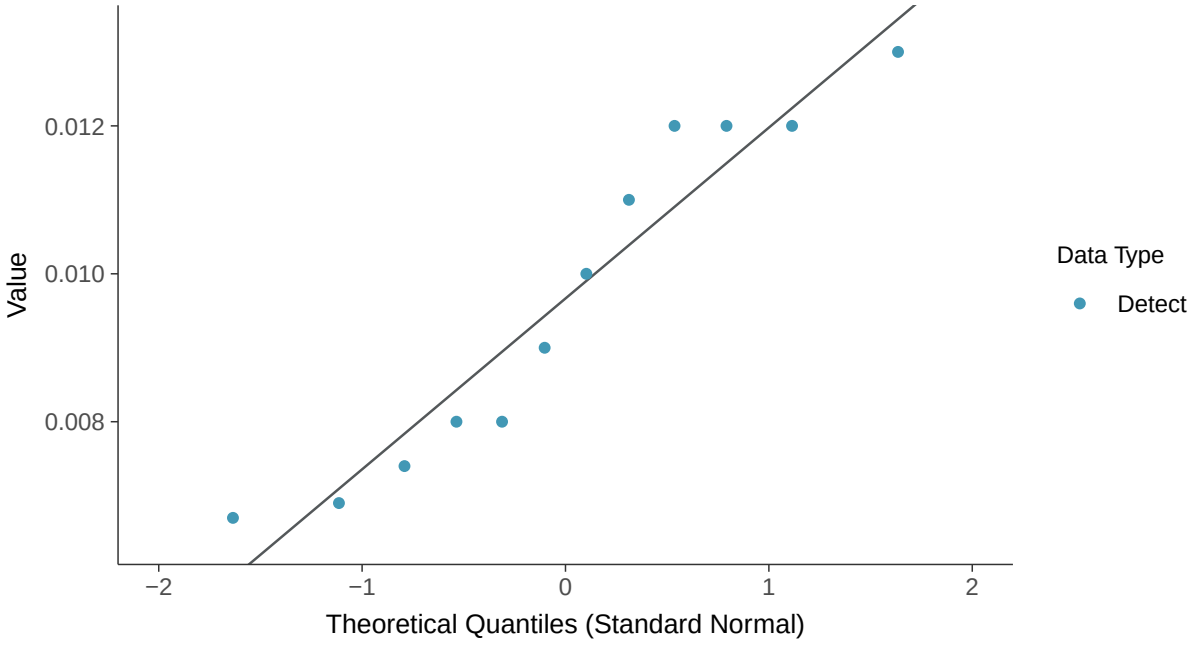
Boxplot by Season

Molybdenum, MW-100A (mg/l)



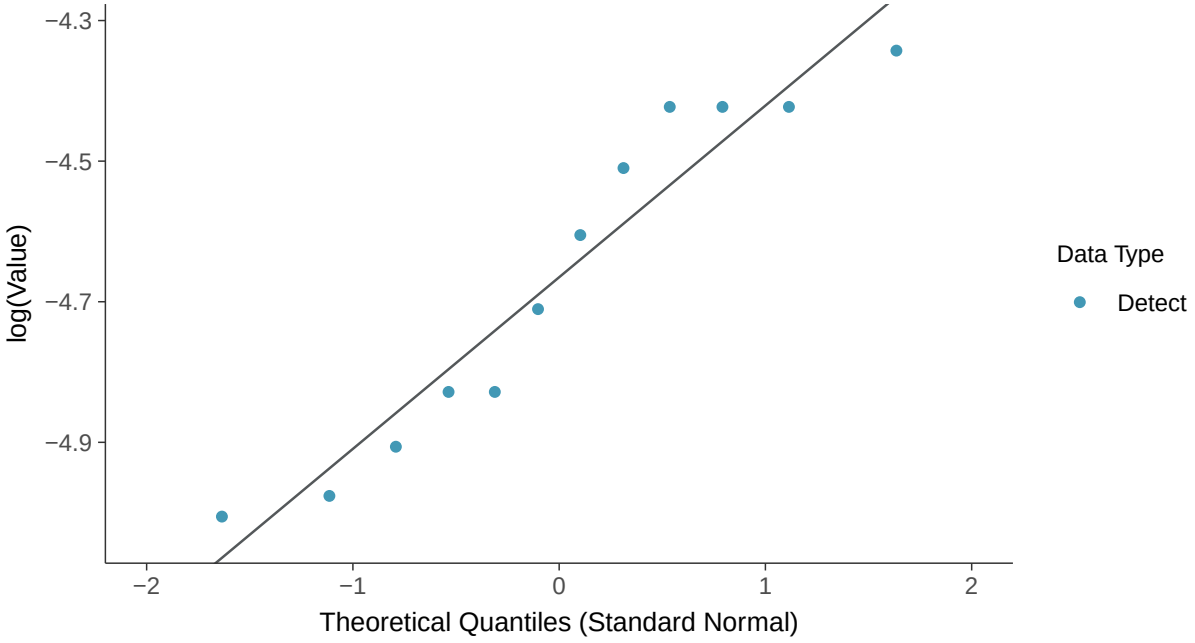
Normal Q-Q plot

Molybdenum, MW-100A (mg/l)



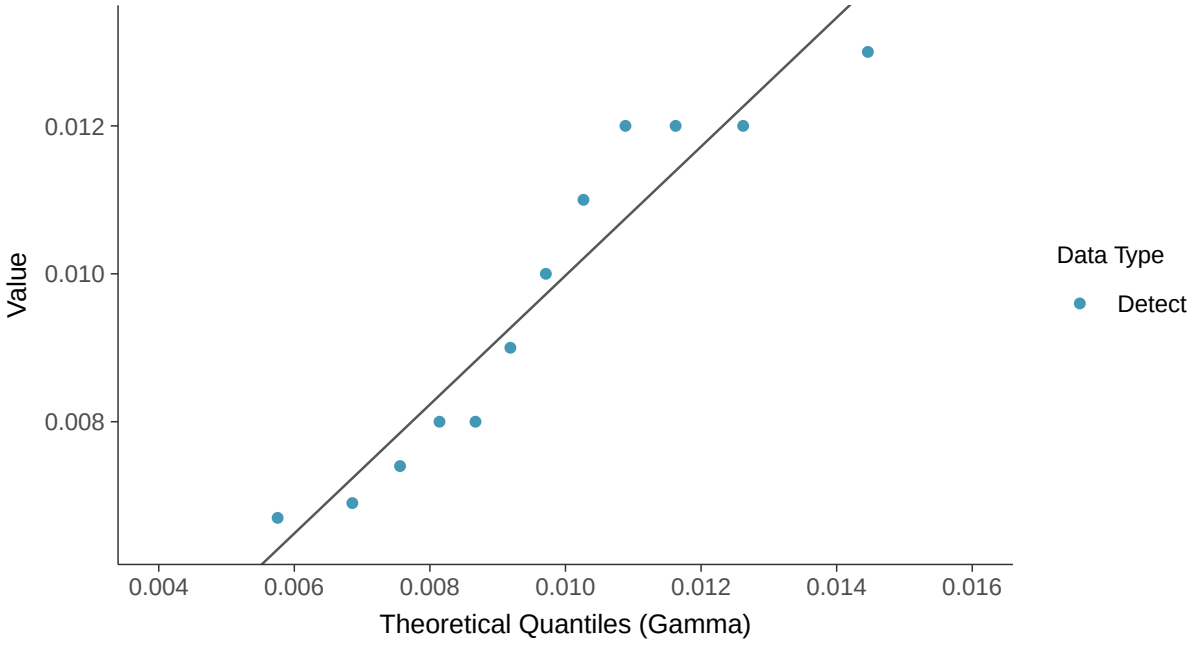
Lognormal Q-Q plot

Molybdenum, MW-100A (mg/l)



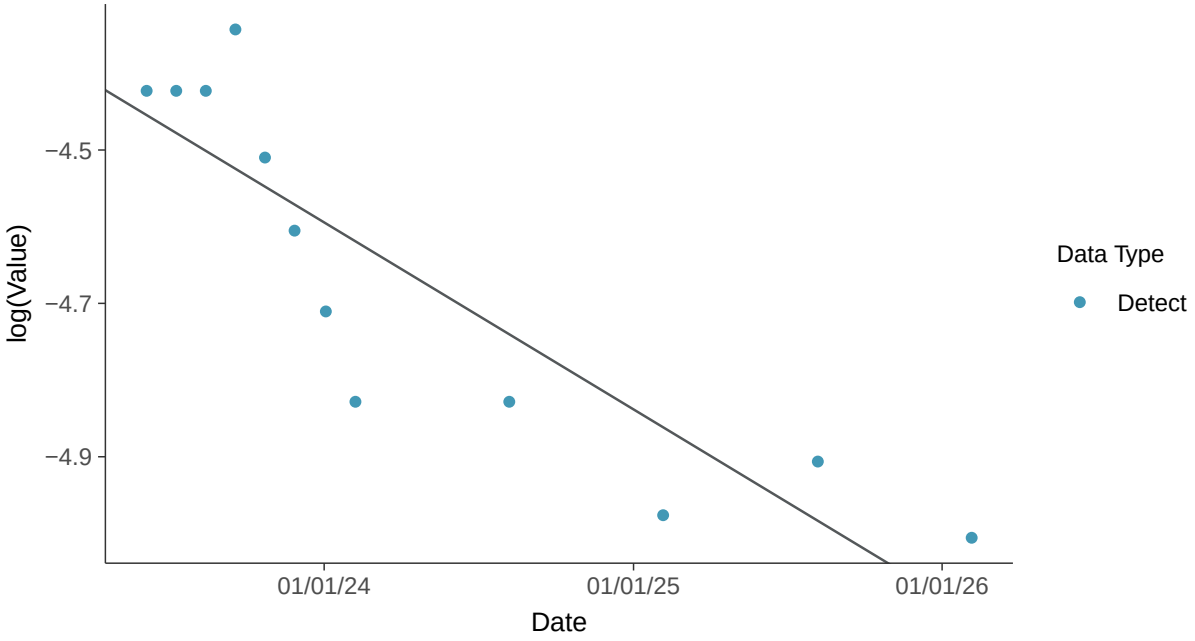
Gamma Q-Q plot

Molybdenum, MW-100A (mg/l)



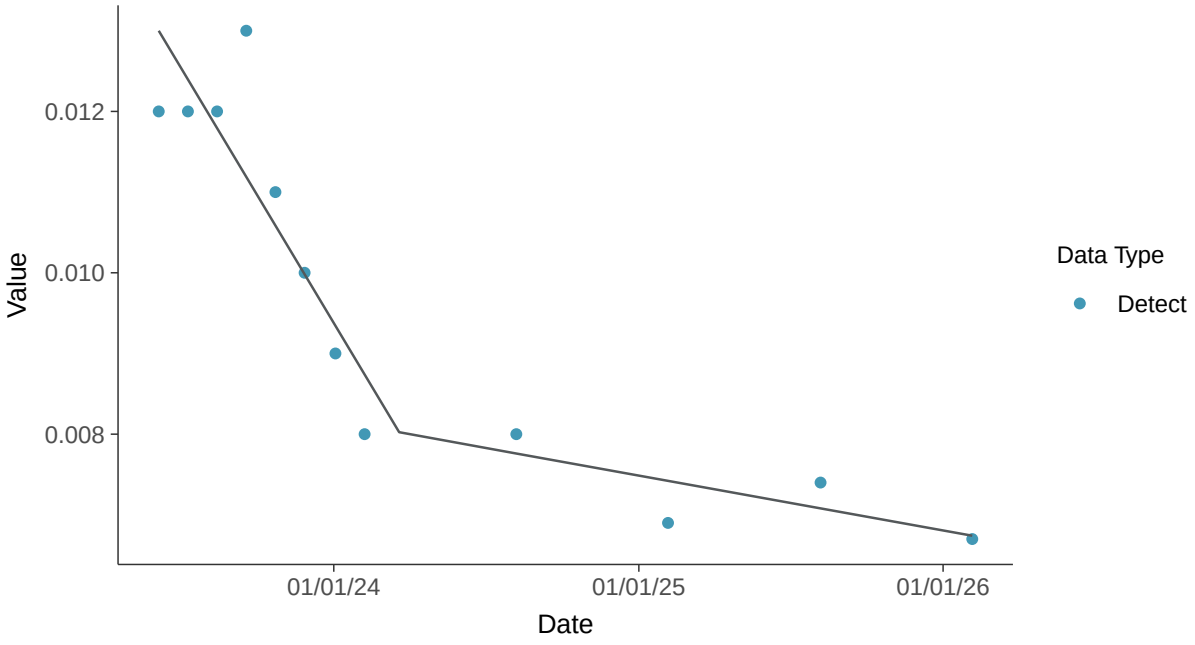
Trend Regression: Lognormal MLE

Molybdenum, MW-100A (mg/l)



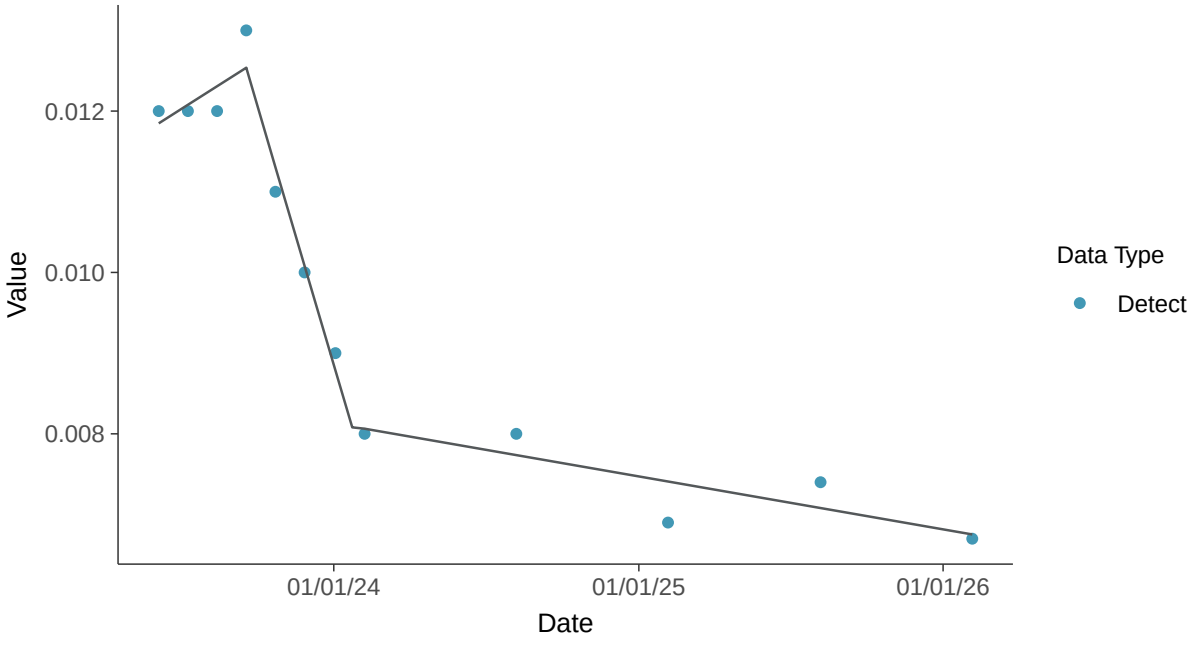
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-100A (mg/l)



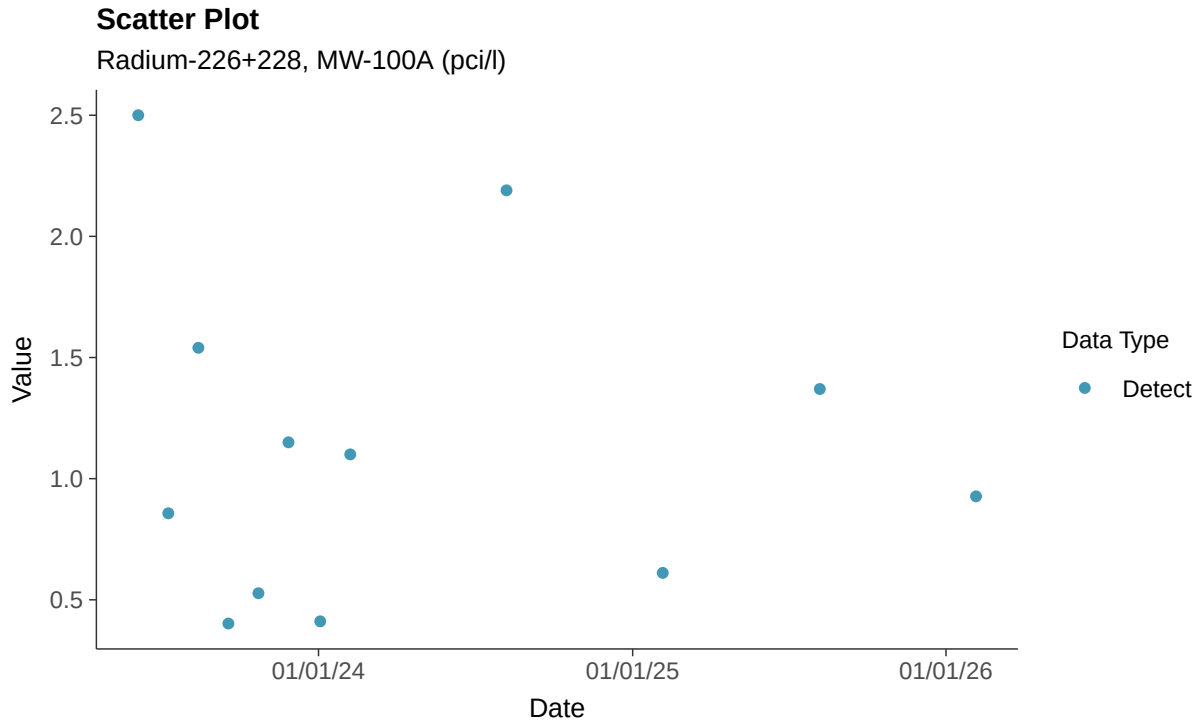
Trend Regression: Piecewise Linear-Linear-Linear

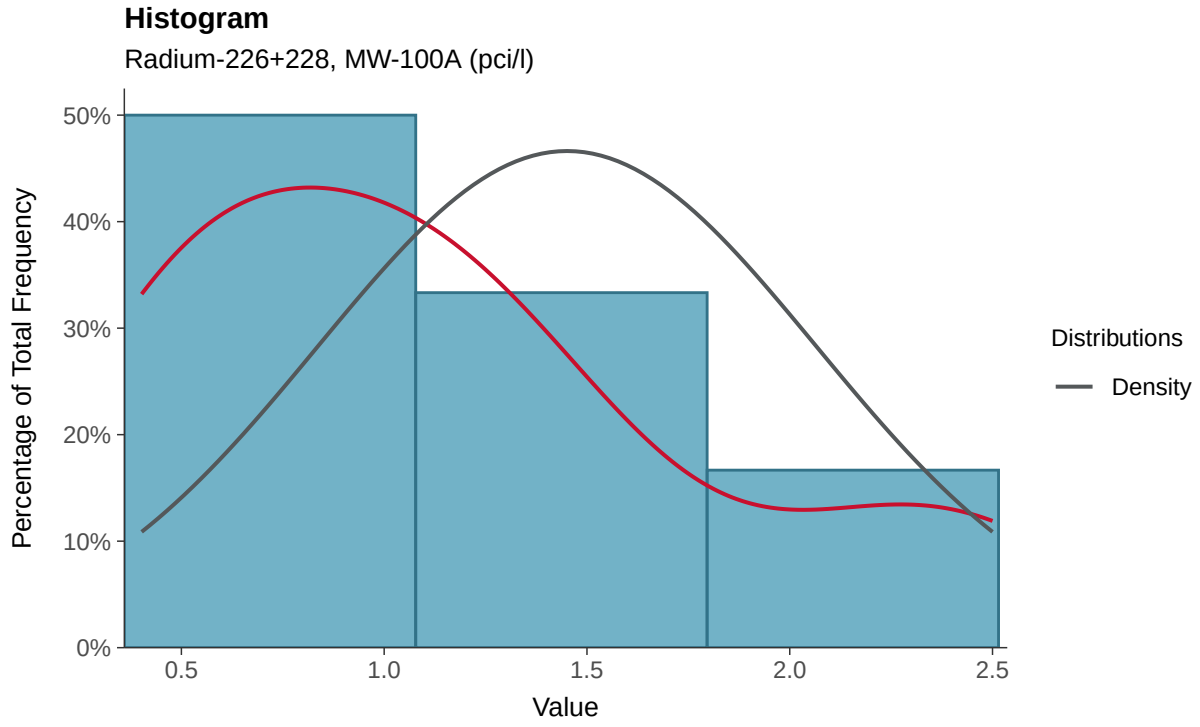
Molybdenum, MW-100A (mg/l)



Appendix IV: Radium-226+228, MW-100A

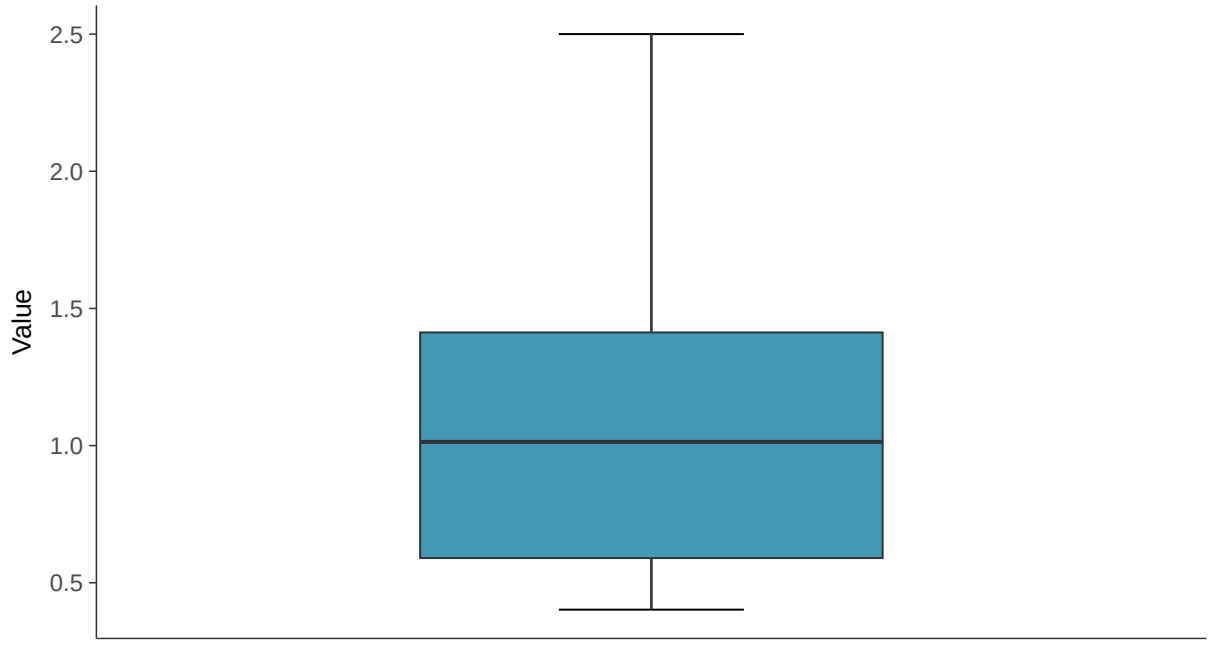
ID: 32_3_121





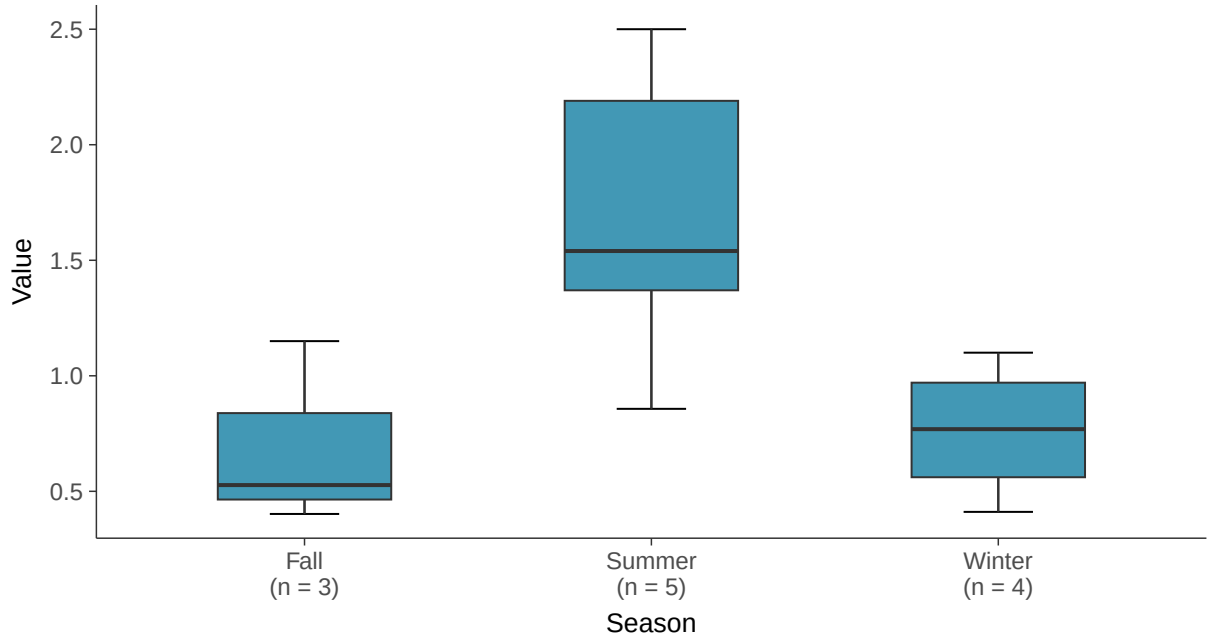
Boxplot

Radium-226+228, MW-100A (pci/l)



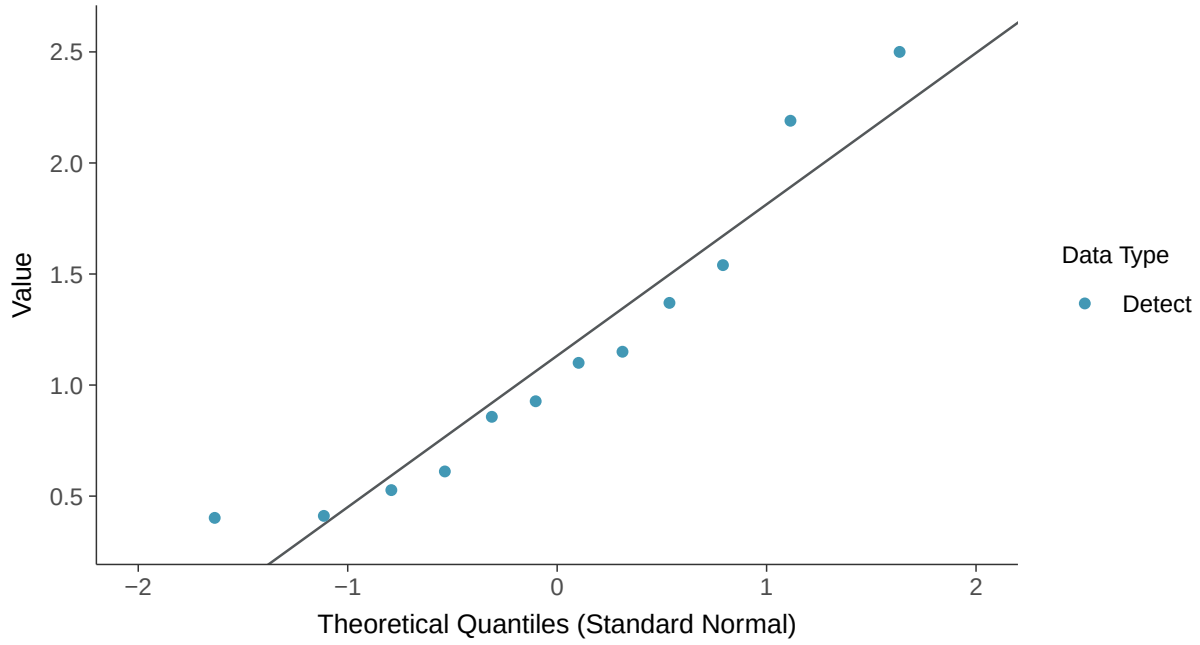
Boxplot by Season

Radium-226+228, MW-100A (pci/l)



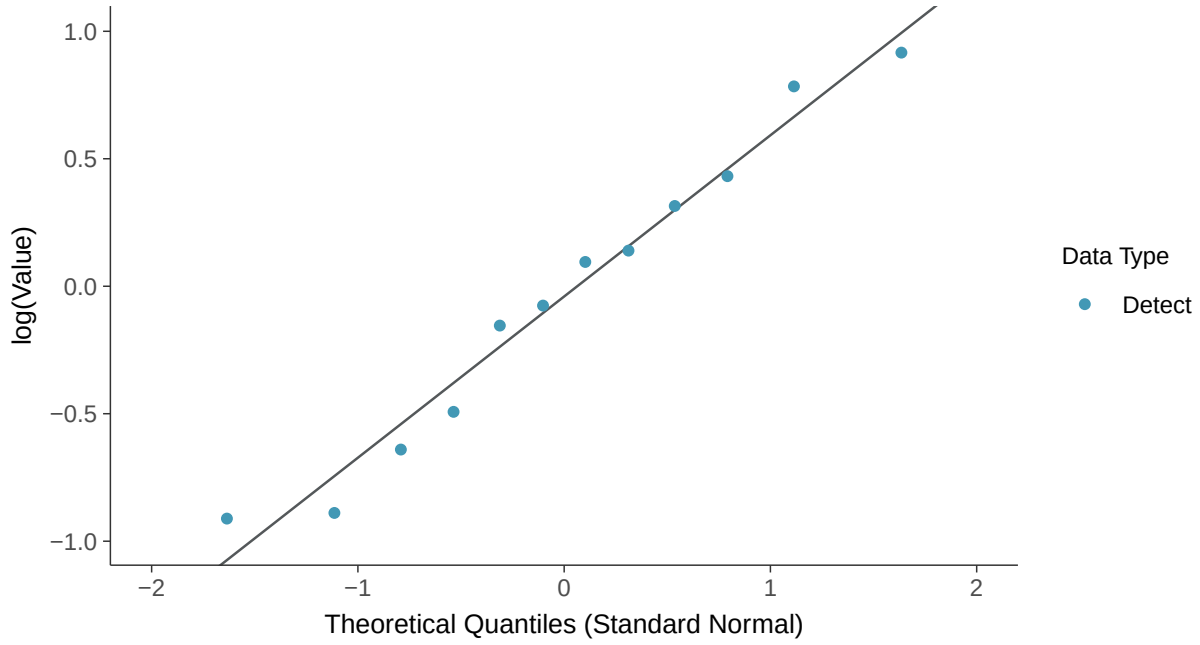
Normal Q-Q plot

Radium-226+228, MW-100A (pci/l)



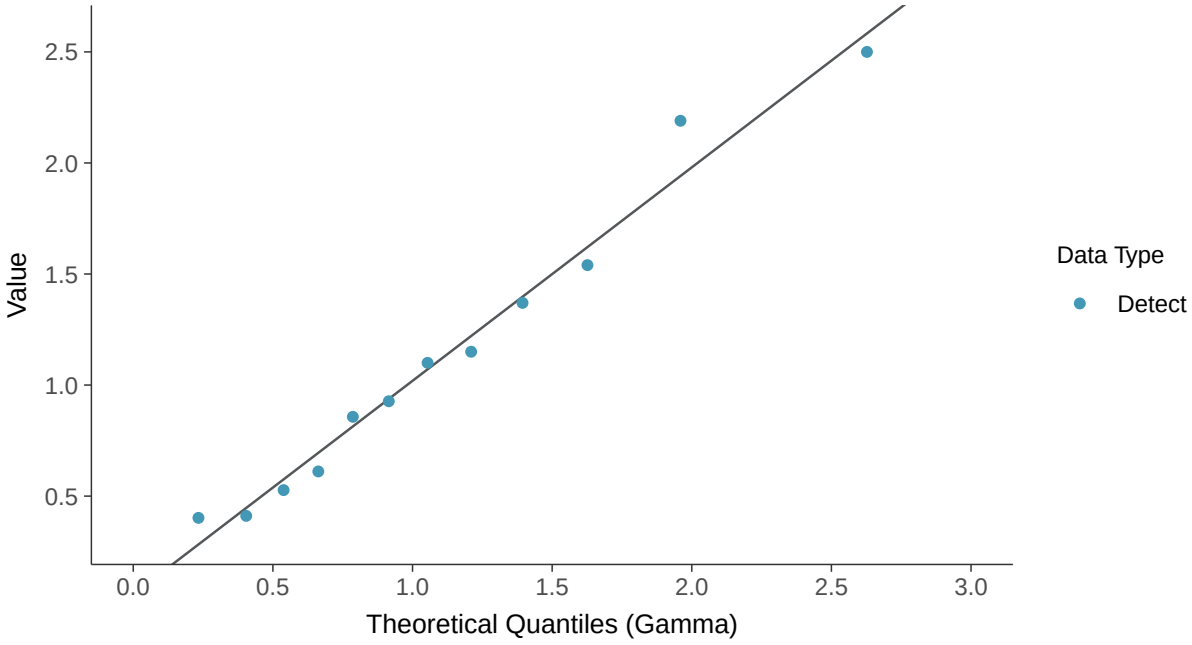
Lognormal Q-Q plot

Radium-226+228, MW-100A (pci/l)



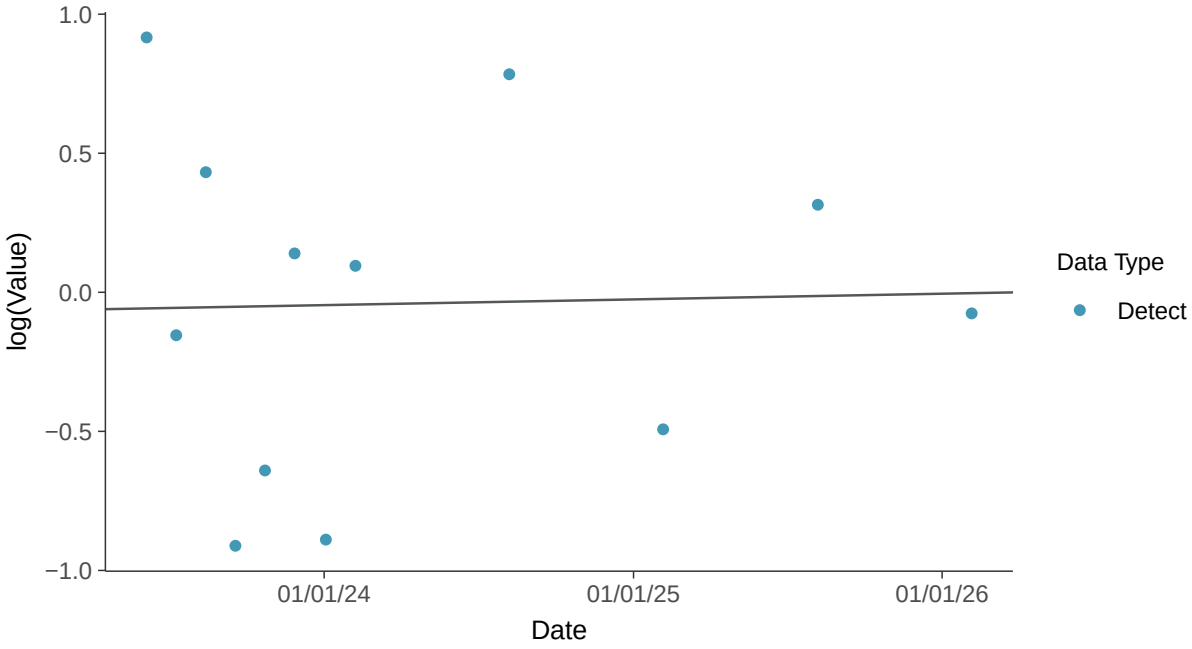
Gamma Q-Q plot

Radium-226+228, MW-100A (pci/l)



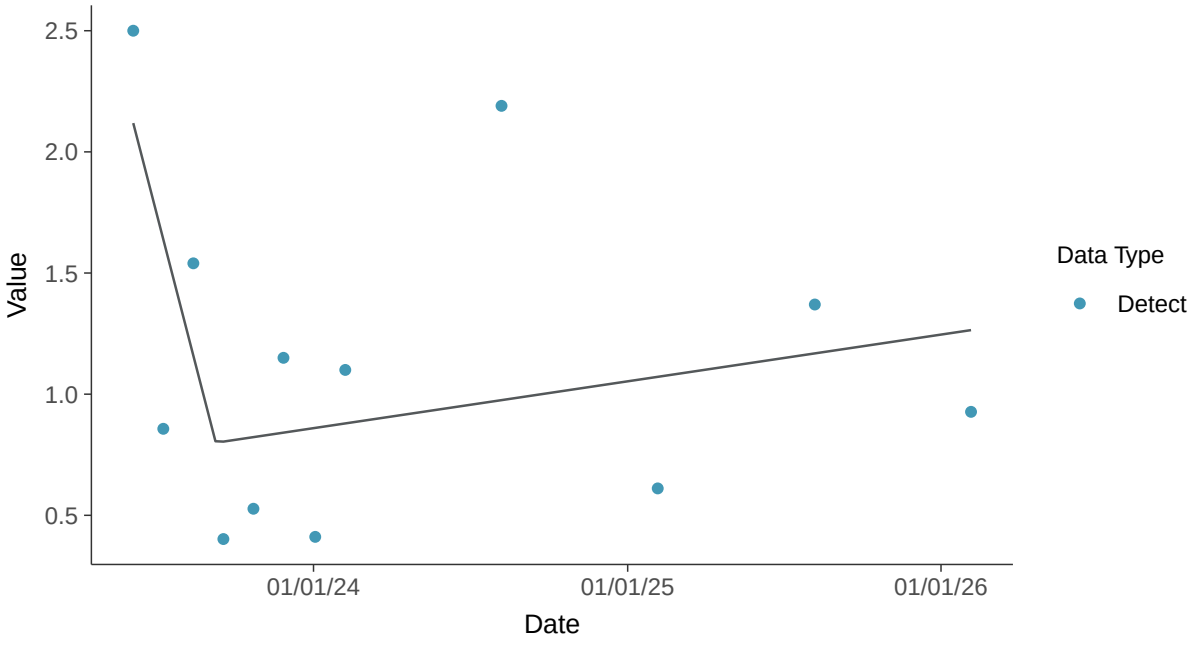
Trend Regression: Lognormal MLE

Radium-226+228, MW-100A (pci/l)



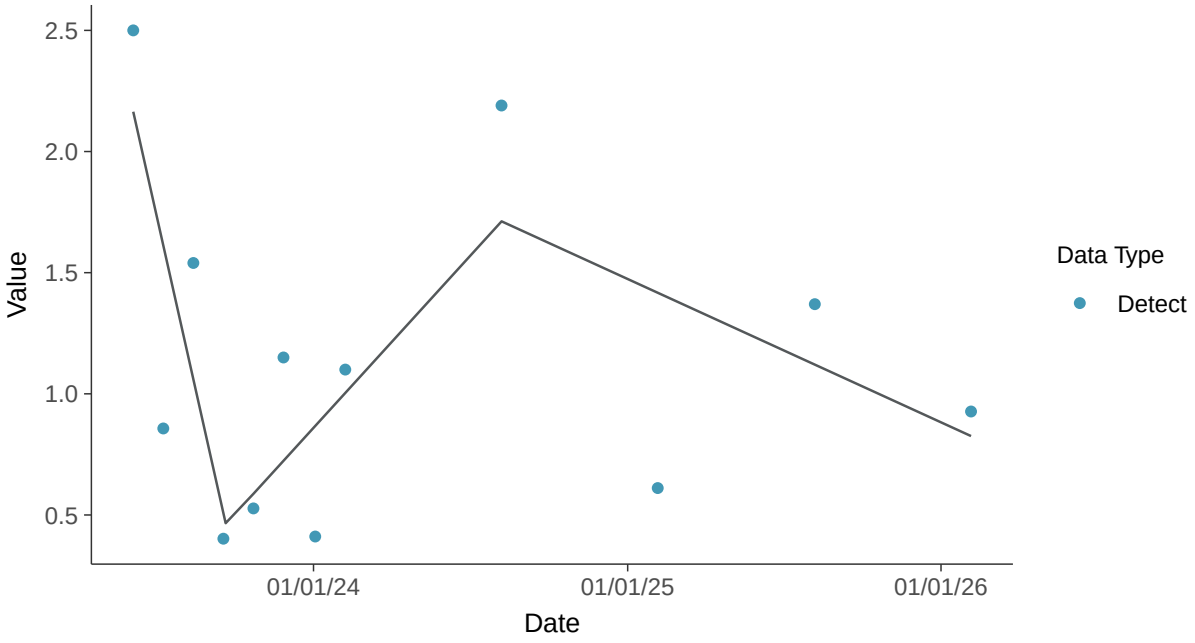
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-100A (pci/l)



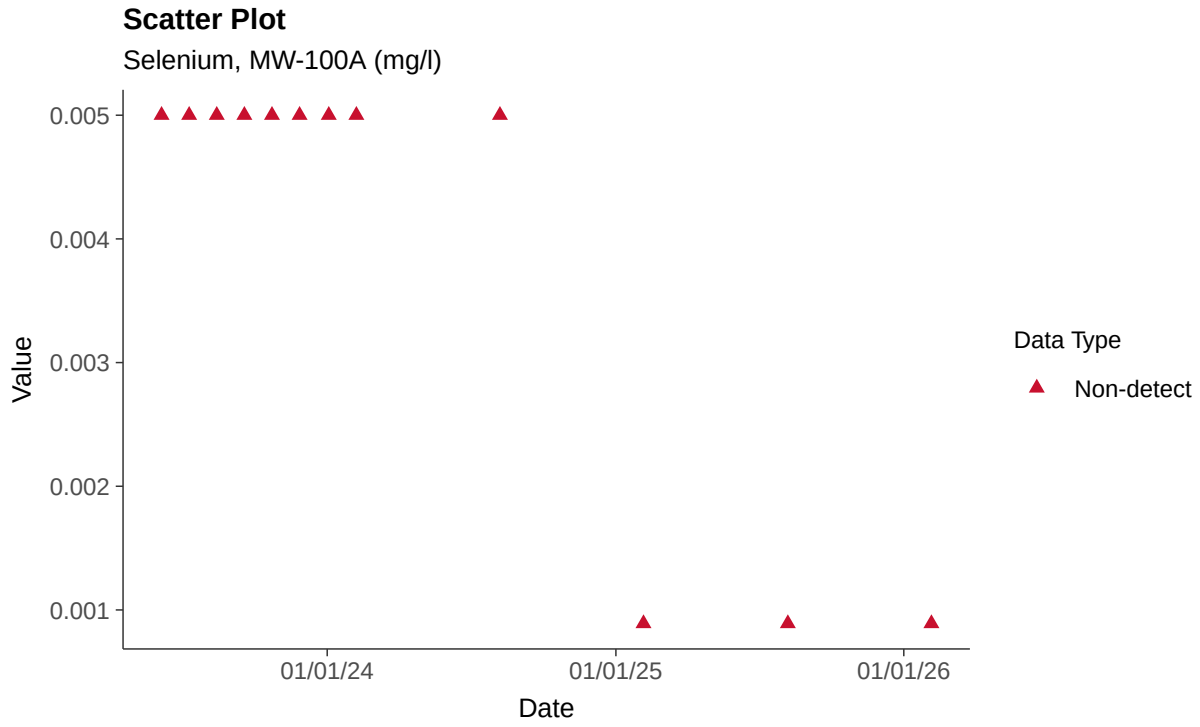
Trend Regression: Piecewise Linear-Linear-Linear

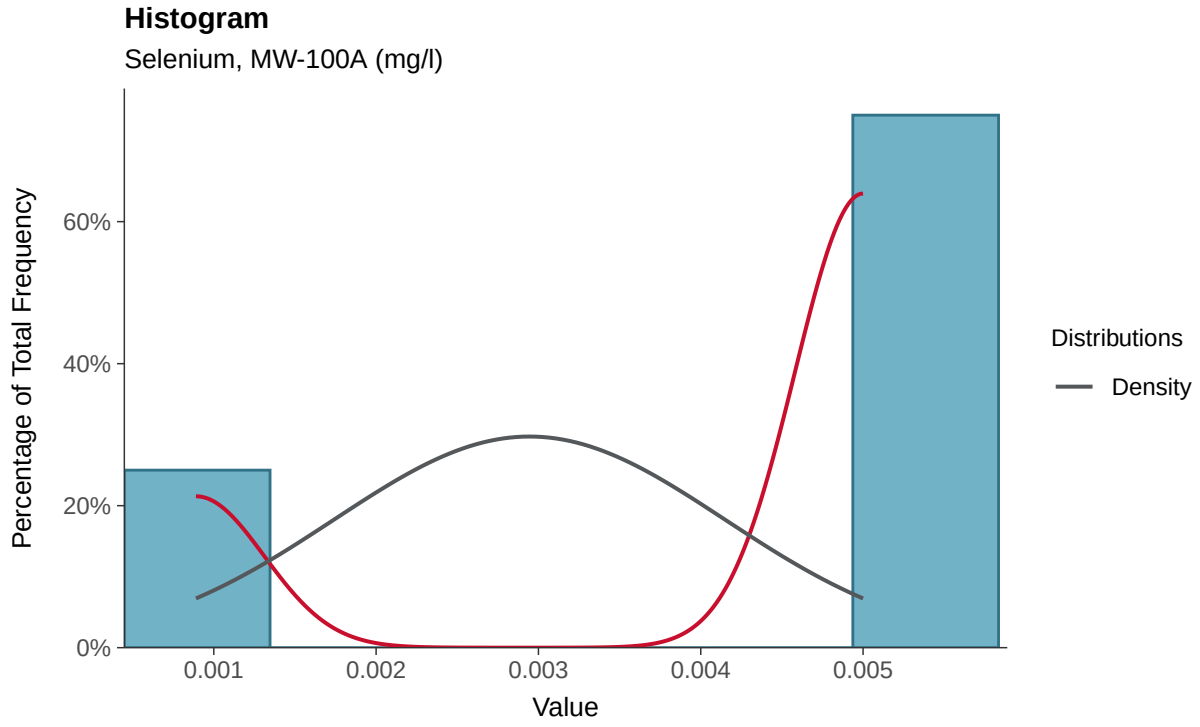
Radium-226+228, MW-100A (pci/l)



Appendix IV: Selenium, MW-100A

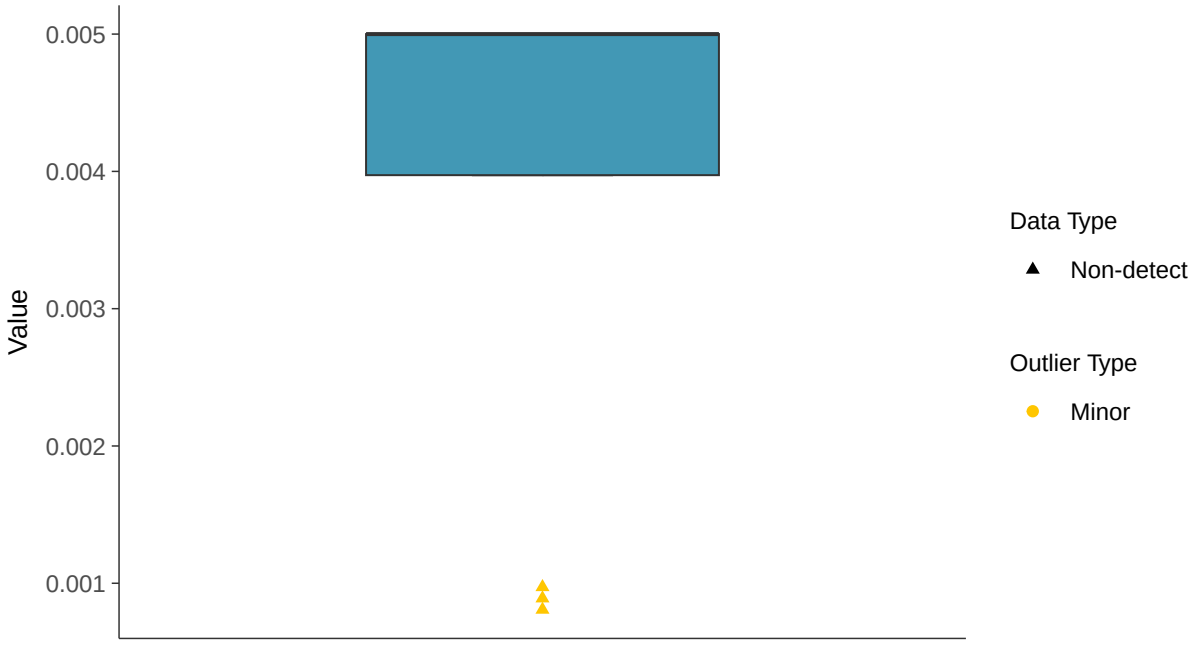
ID: 32_3_122





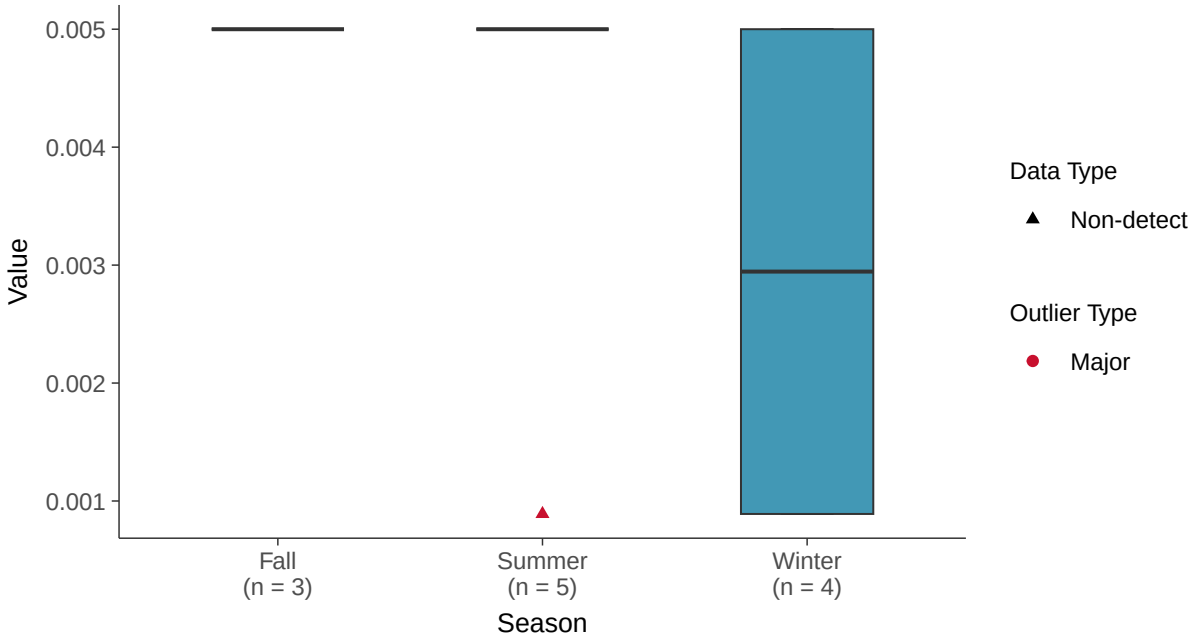
Boxplot

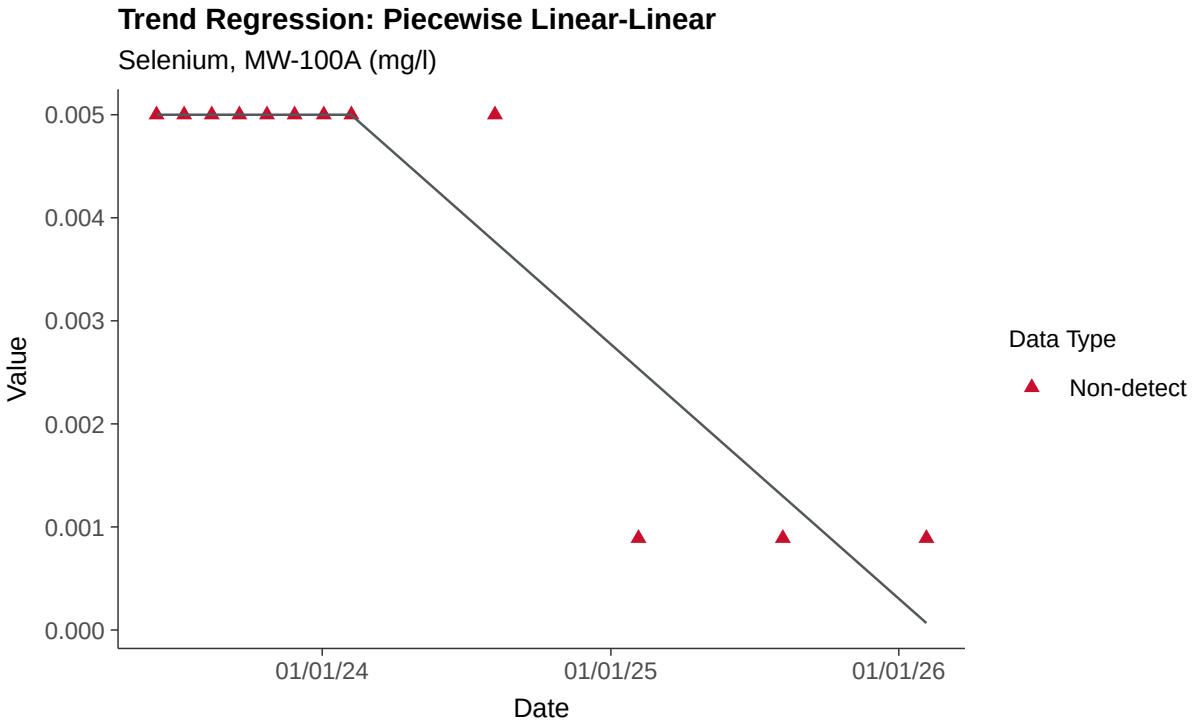
Selenium, MW-100A (mg/l)



Boxplot by Season

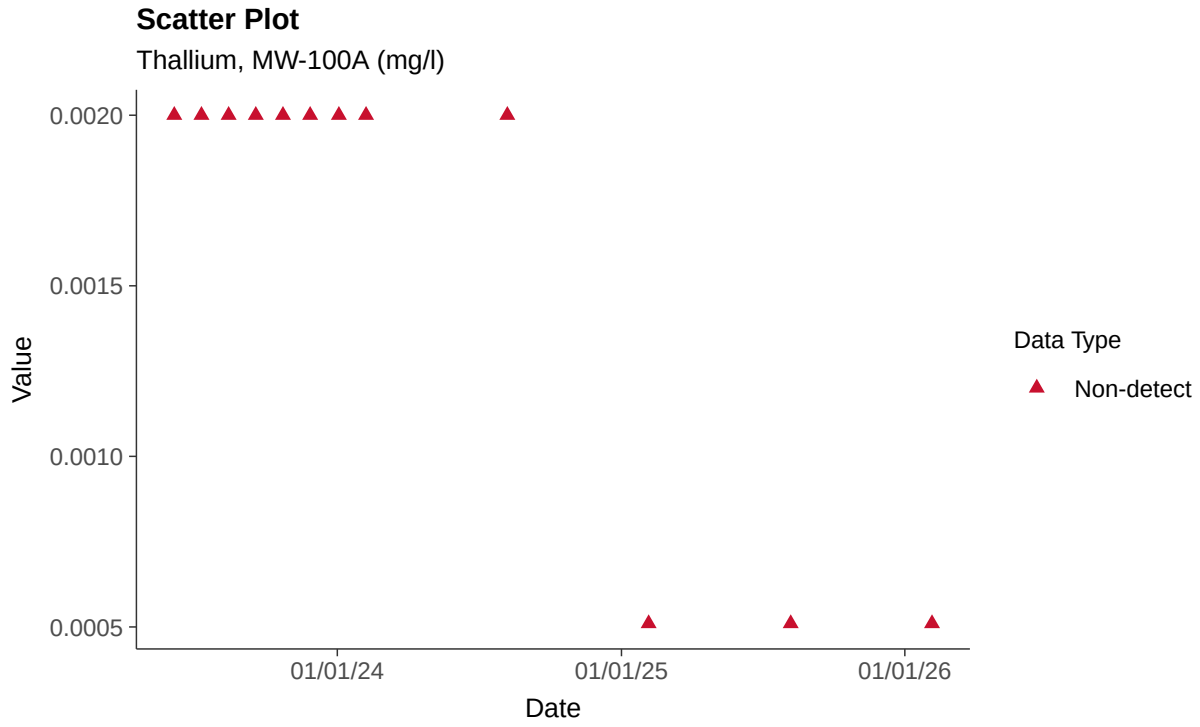
Selenium, MW-100A (mg/l)

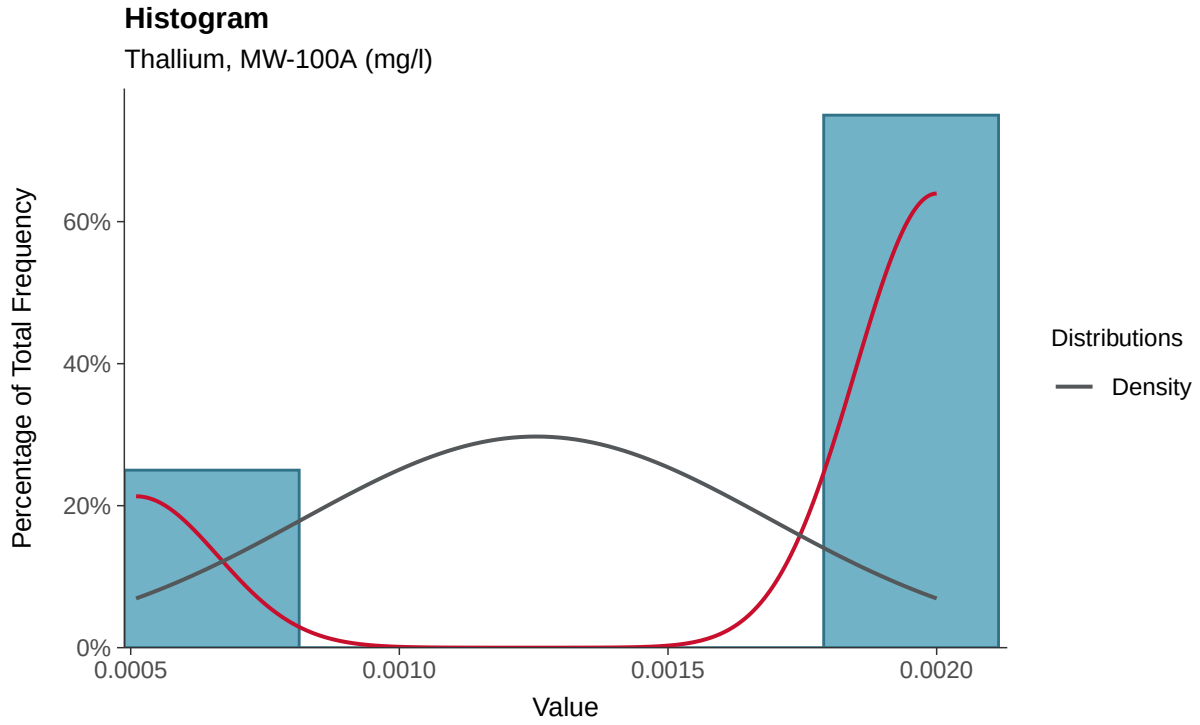



Trend Regression: Piecewise Linear-Linear
Selenium, MW-100A (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-100A

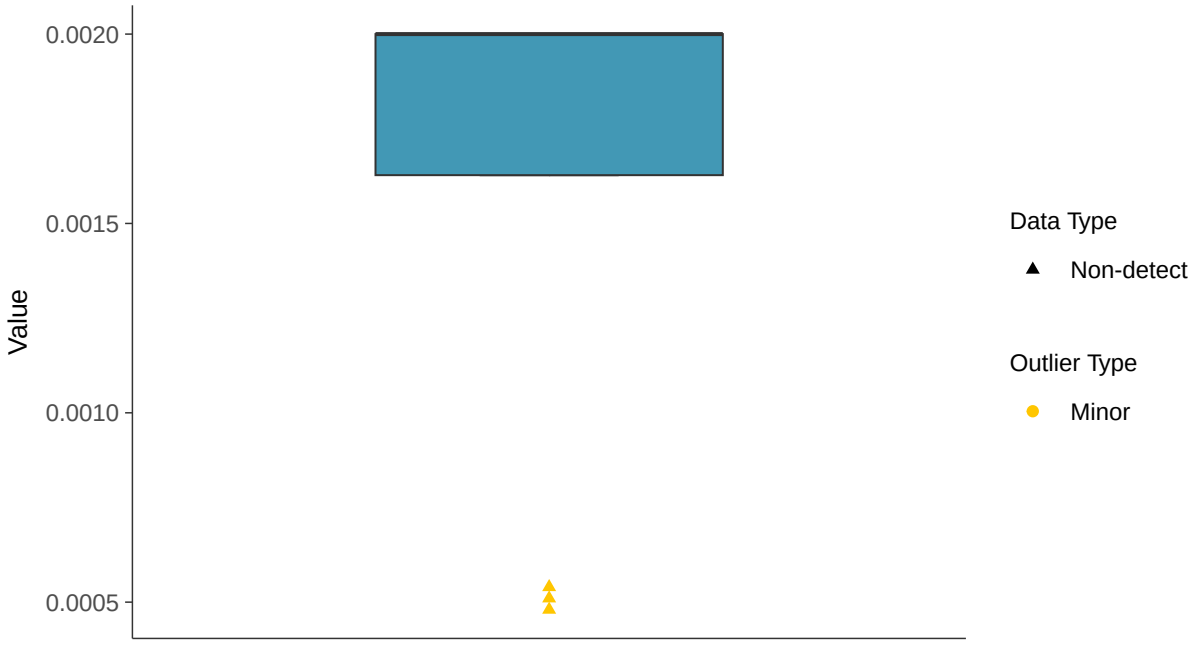
ID: 32_3_125





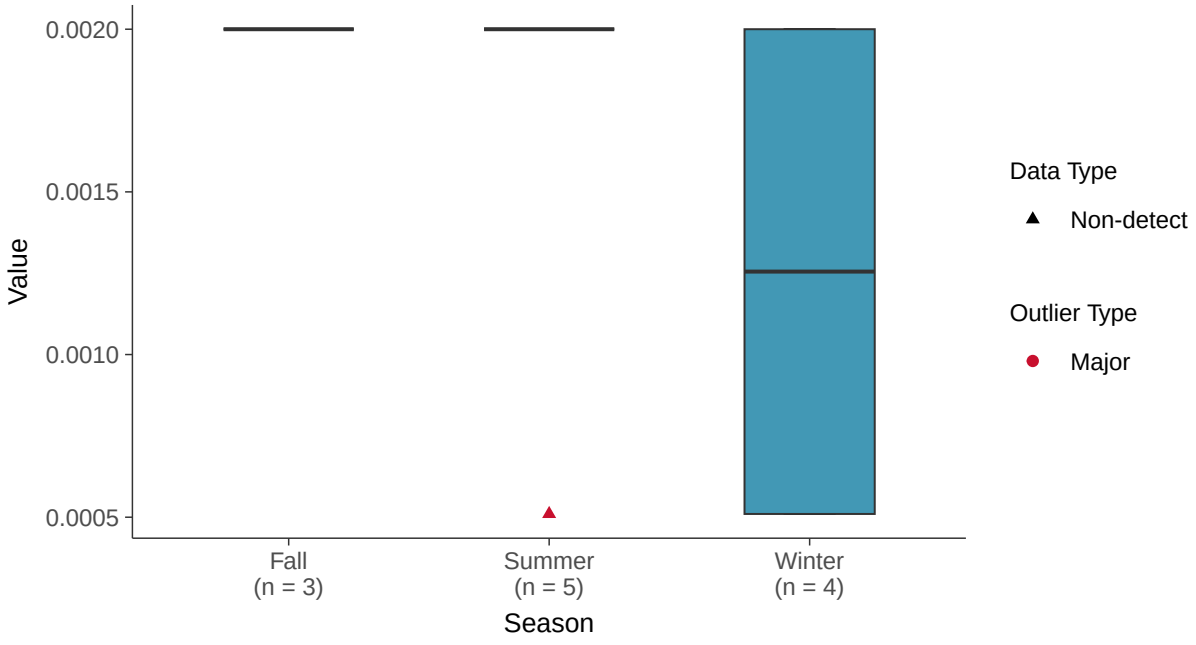
Boxplot

Thallium, MW-100A (mg/l)



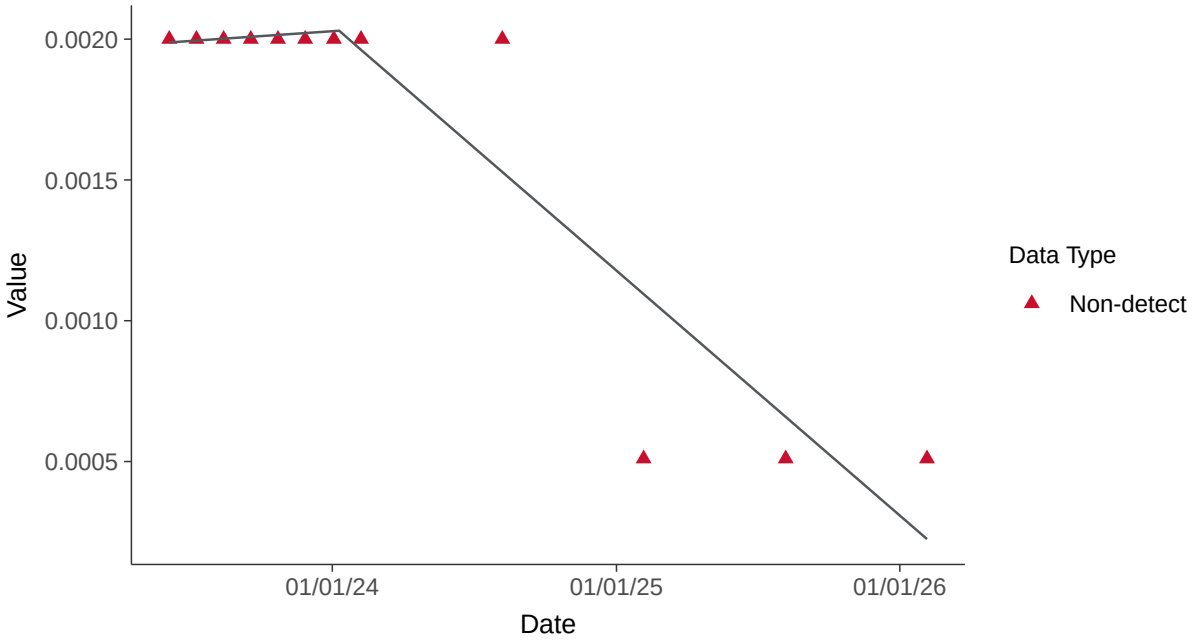
Boxplot by Season

Thallium, MW-100A (mg/l)



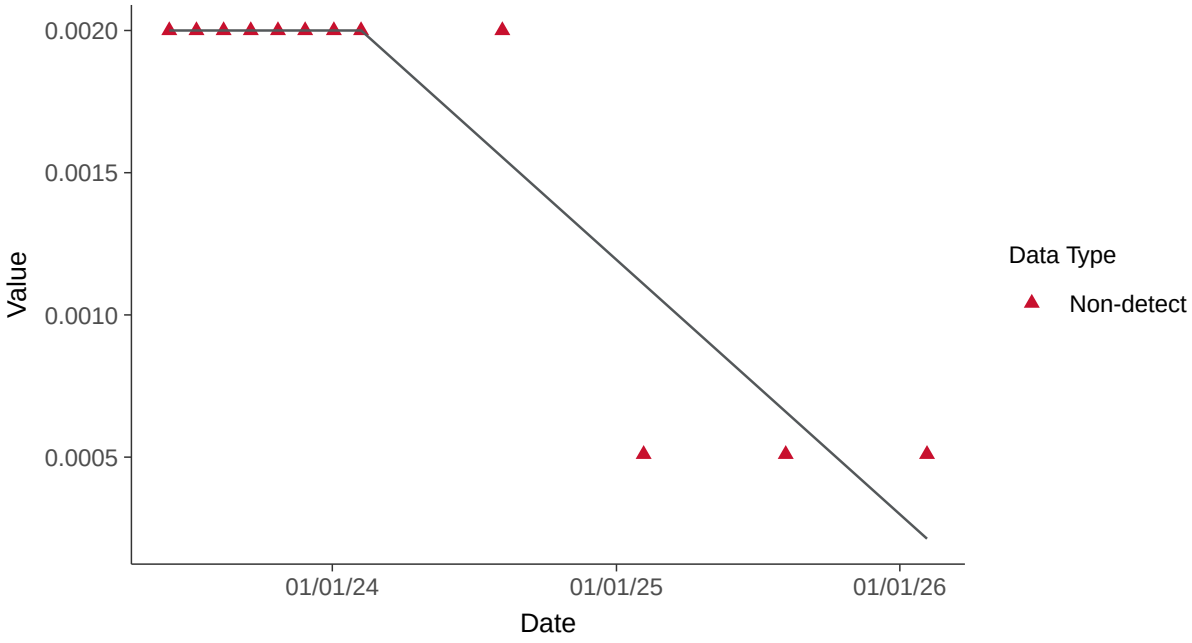
Trend Regression: Piecewise Linear-Linear

Thallium, MW-100A (mg/l)



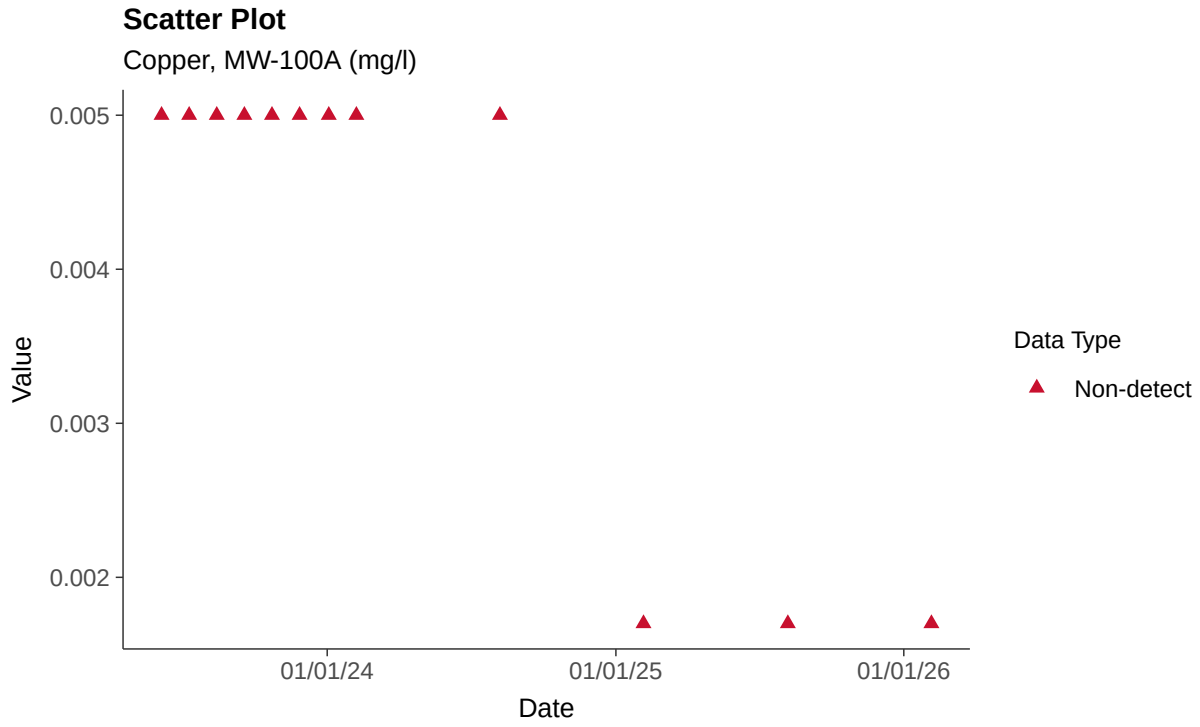
Trend Regression: Piecewise Linear-Linear-Linear

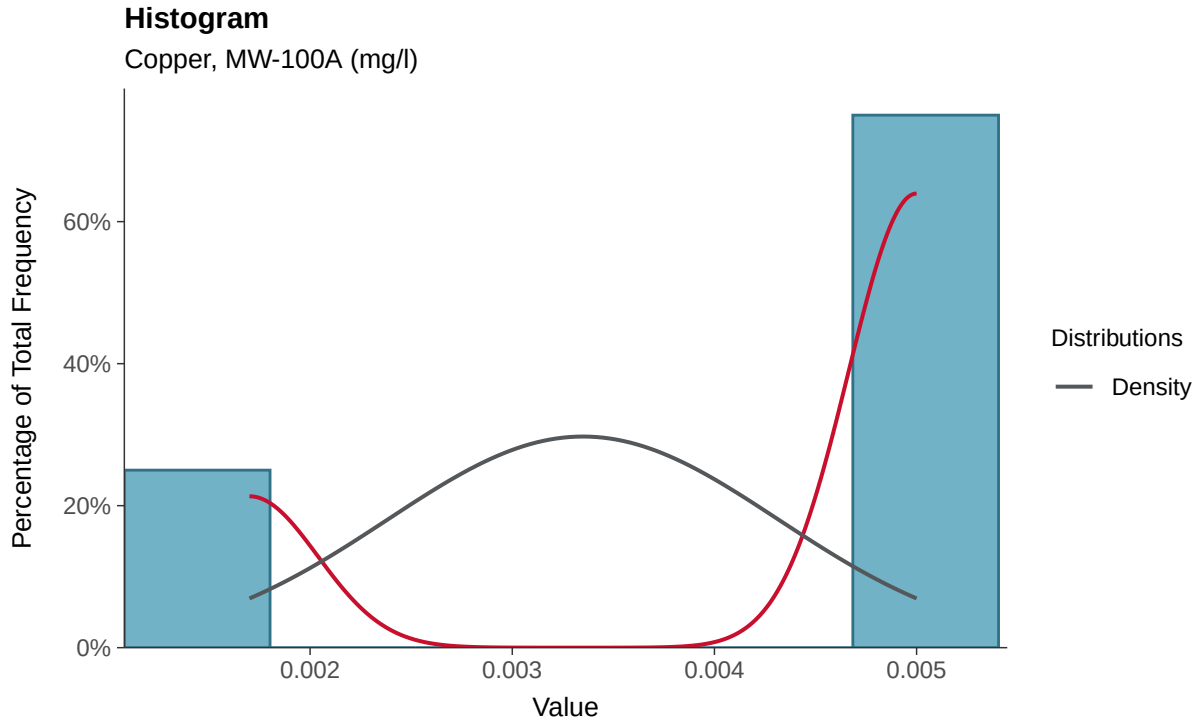
Thallium, MW-100A (mg/l)



Part 115: Copper, MW-100A

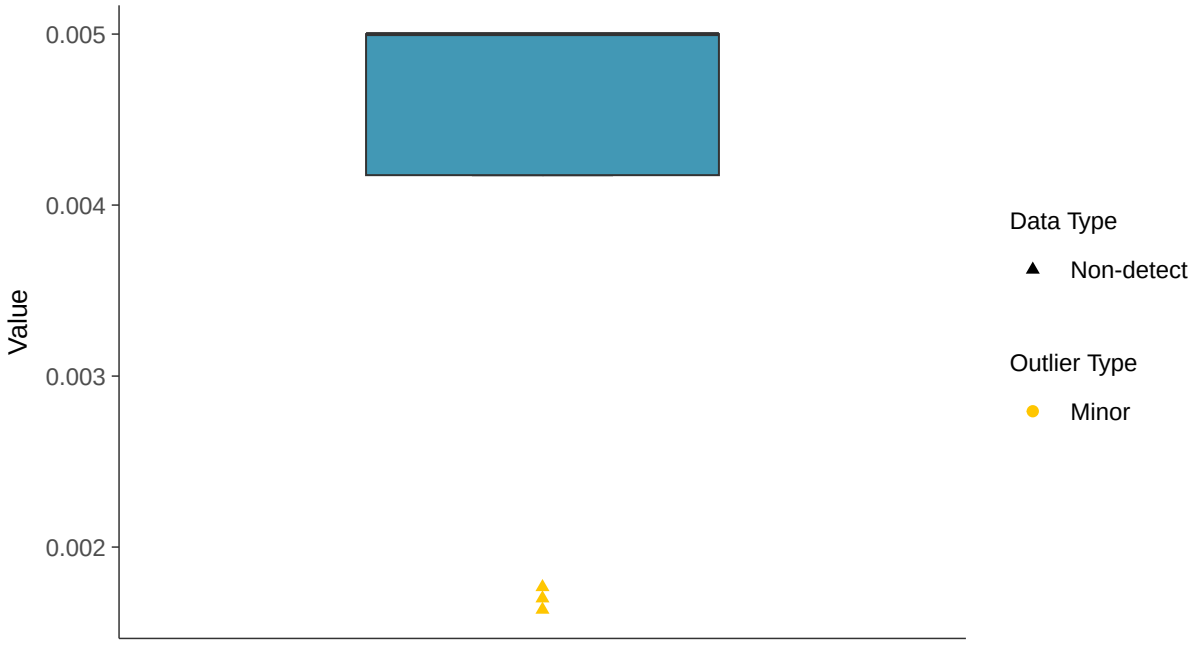
ID: 32_5_111





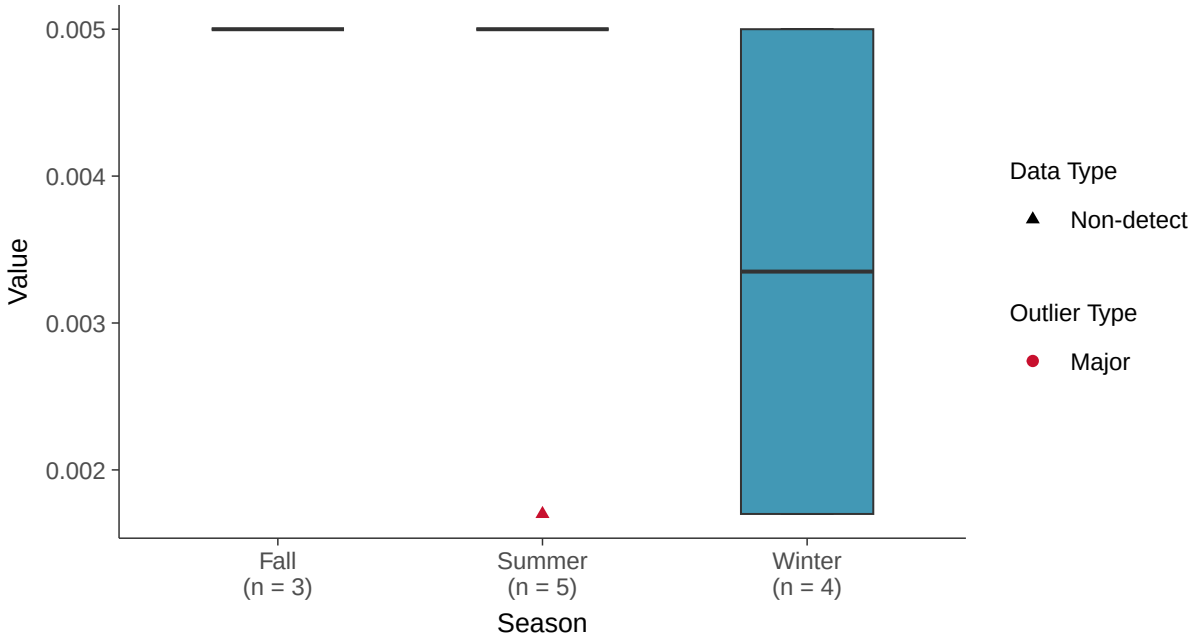
Boxplot

Copper, MW-100A (mg/l)



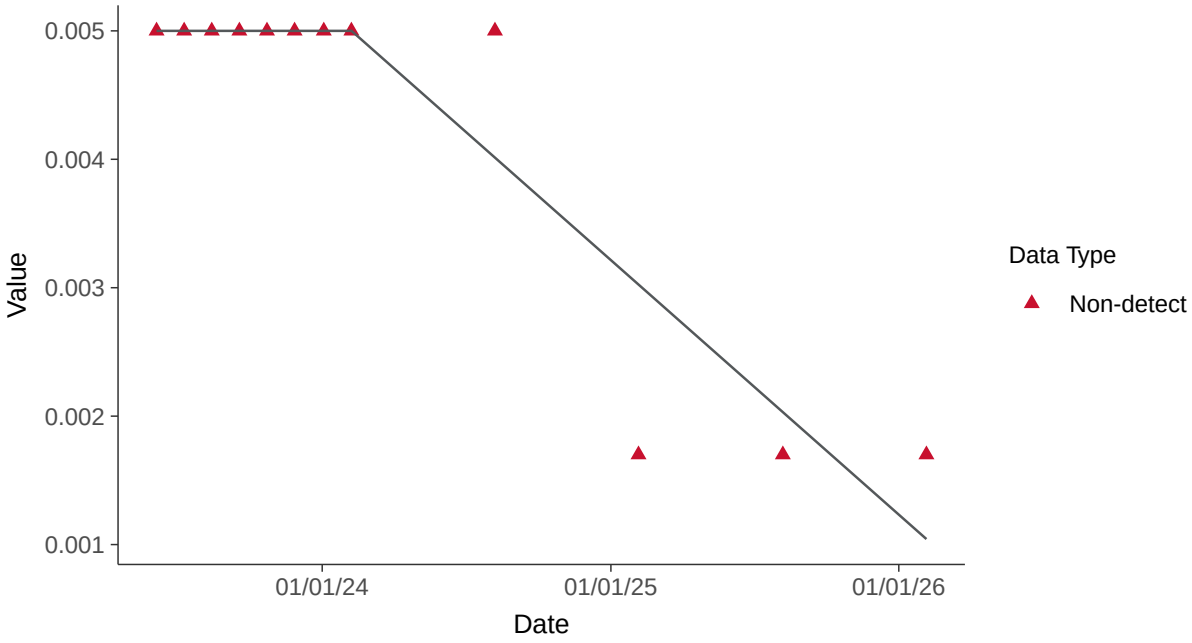
Boxplot by Season

Copper, MW-100A (mg/l)



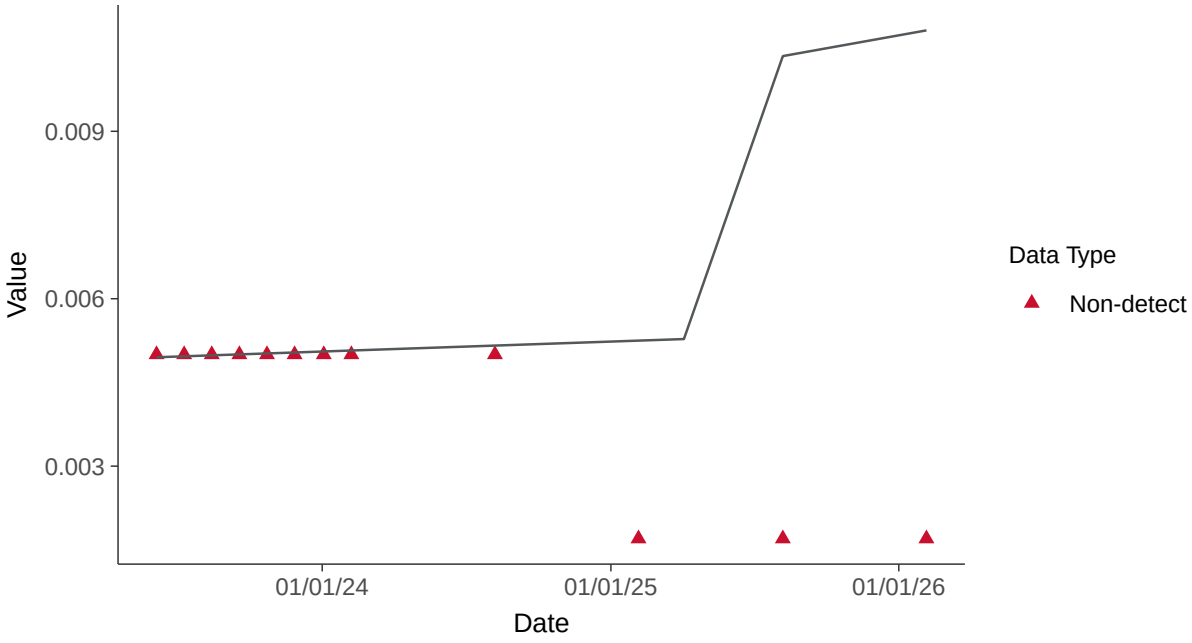
Trend Regression: Piecewise Linear-Linear

Copper, MW-100A (mg/l)



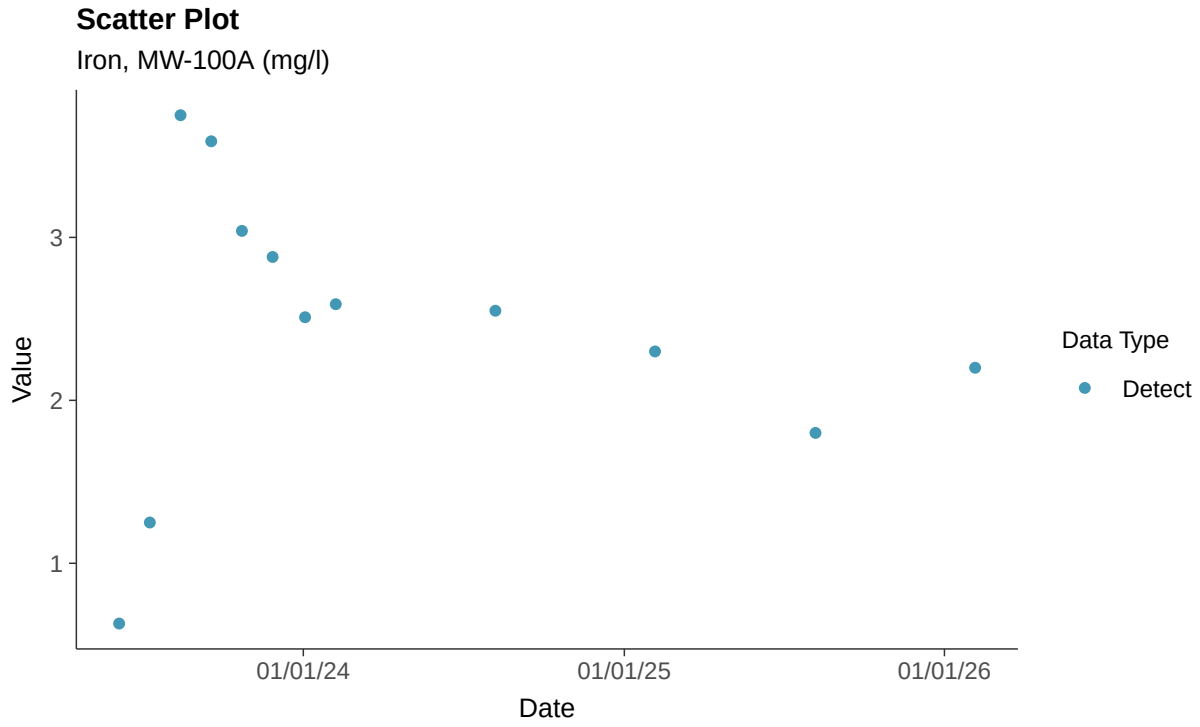
Trend Regression: Piecewise Linear-Linear-Linear

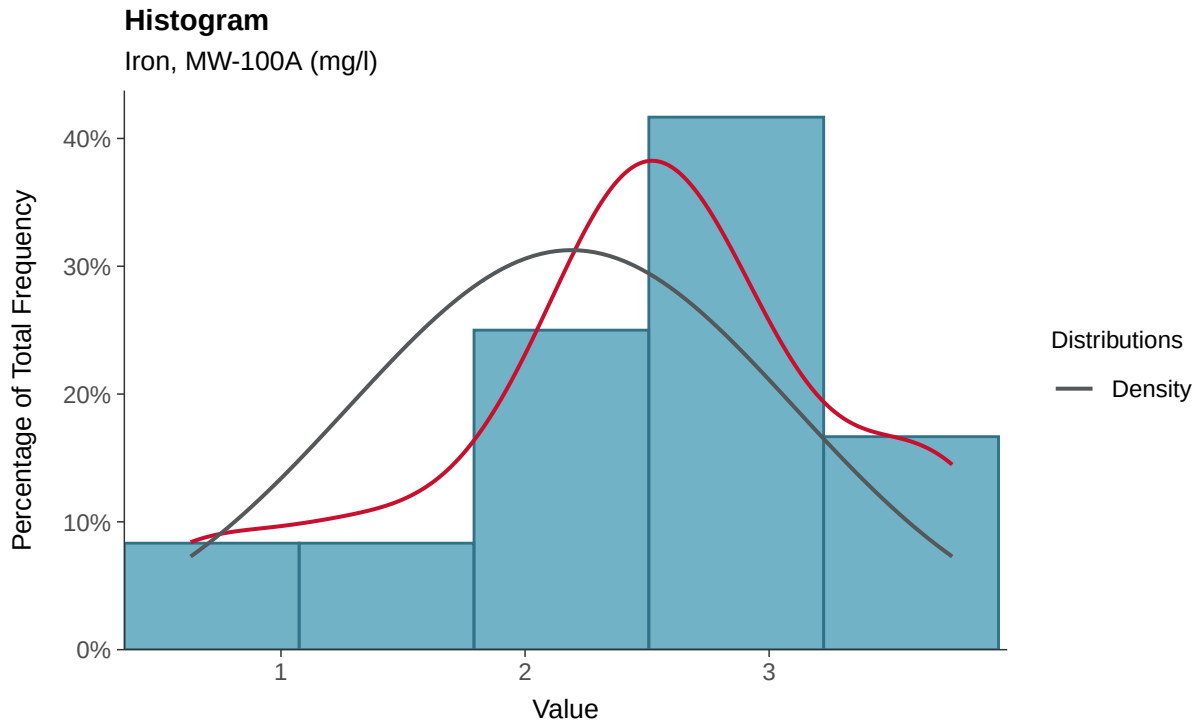
Copper, MW-100A (mg/l)



Part 115: Iron, MW-100A

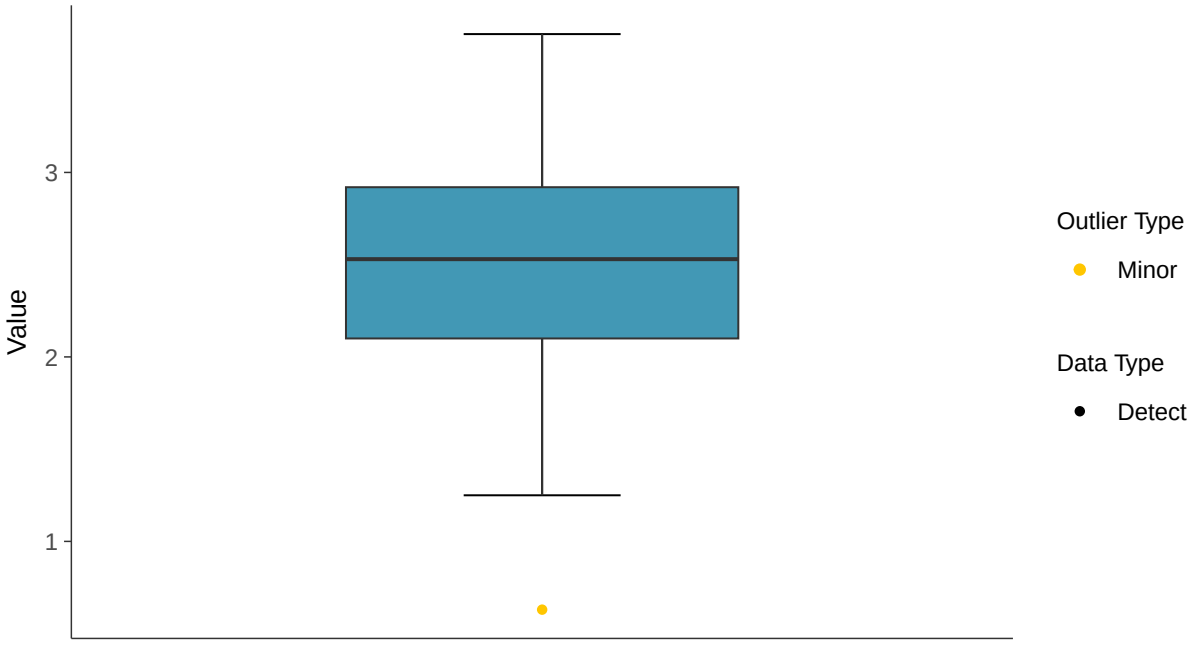
ID: 32_5_114





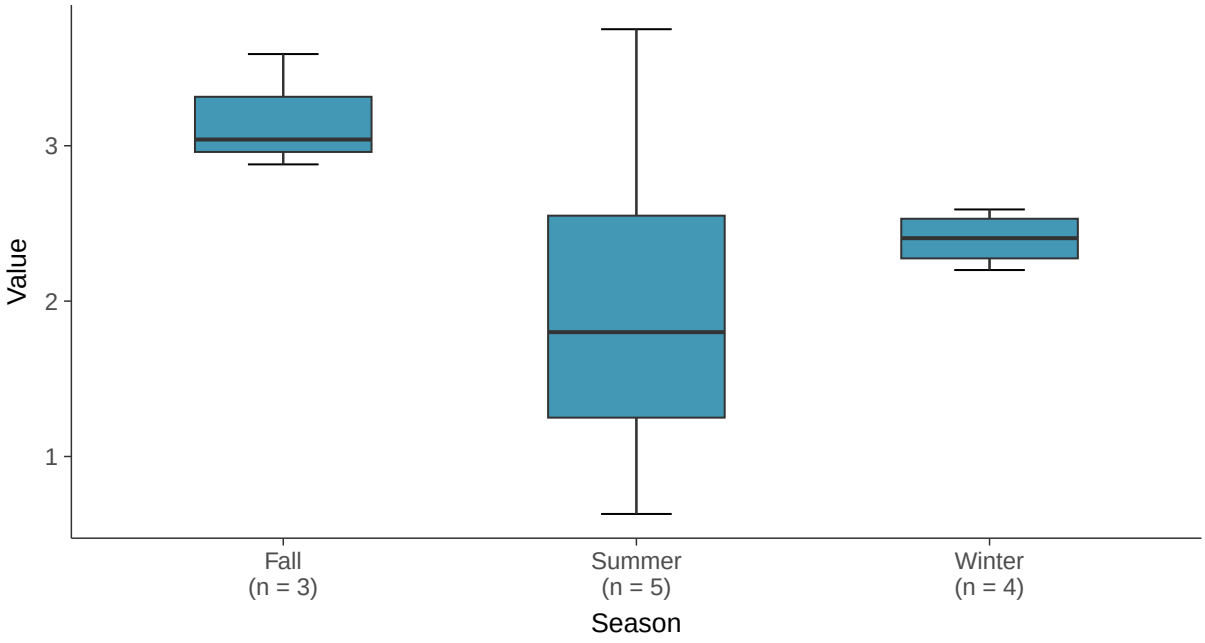
Boxplot

Iron, MW-100A (mg/l)



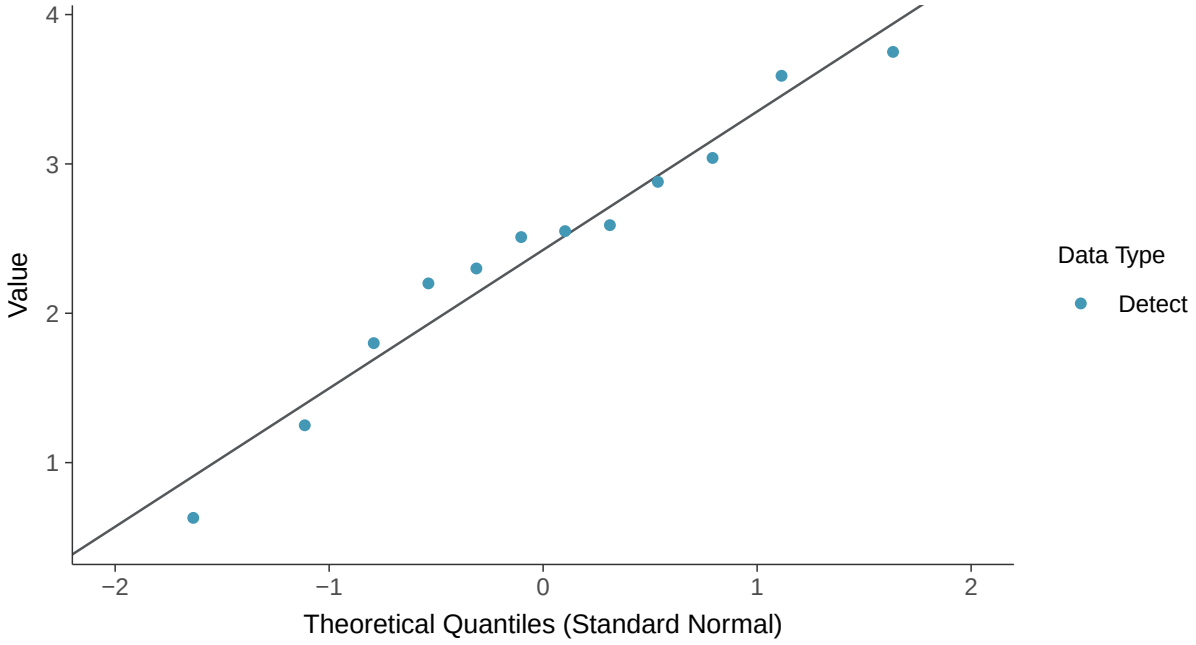
Boxplot by Season

Iron, MW-100A (mg/l)



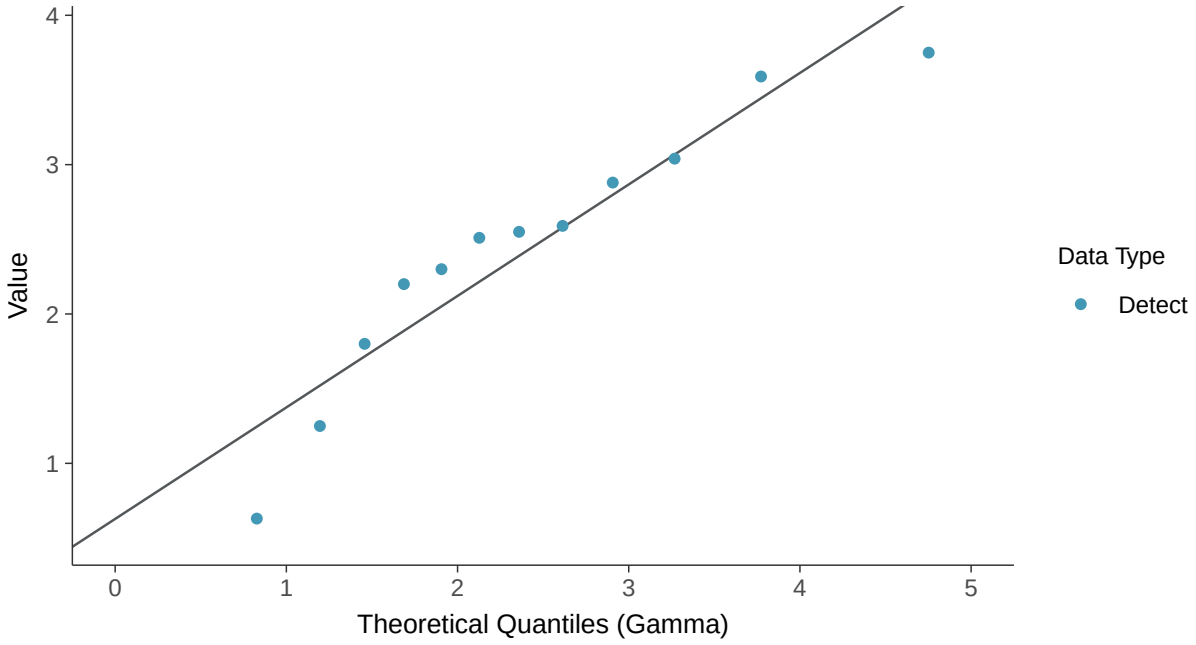
Normal Q-Q plot

Iron, MW-100A (mg/l)



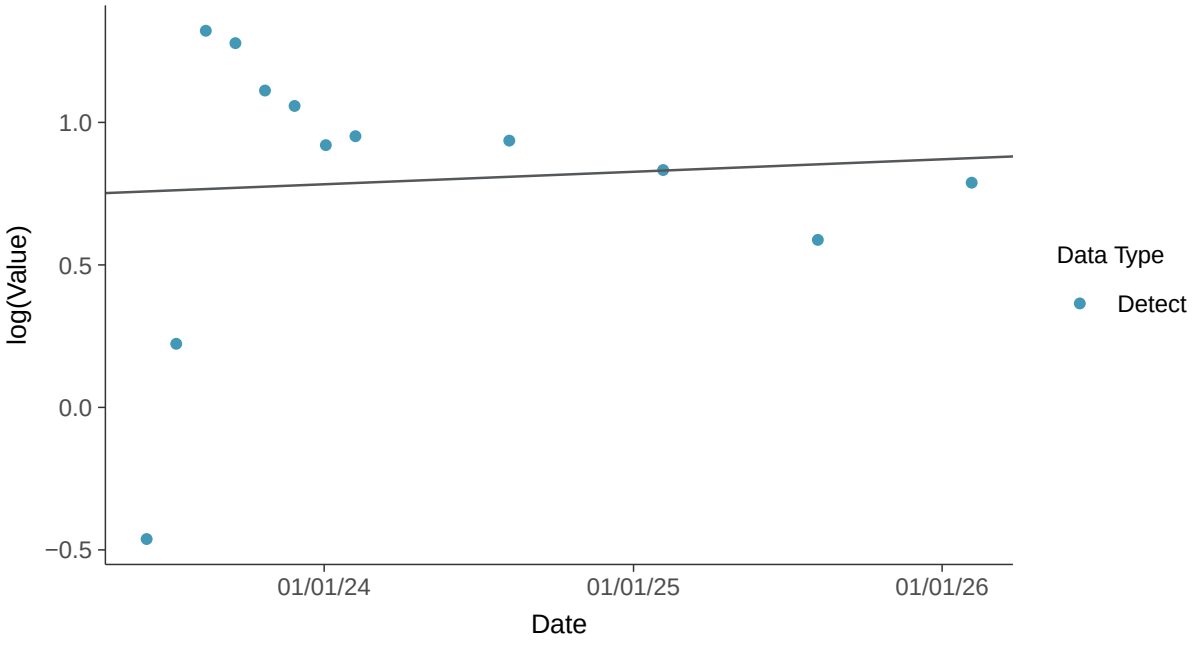
Gamma Q-Q plot

Iron, MW-100A (mg/l)



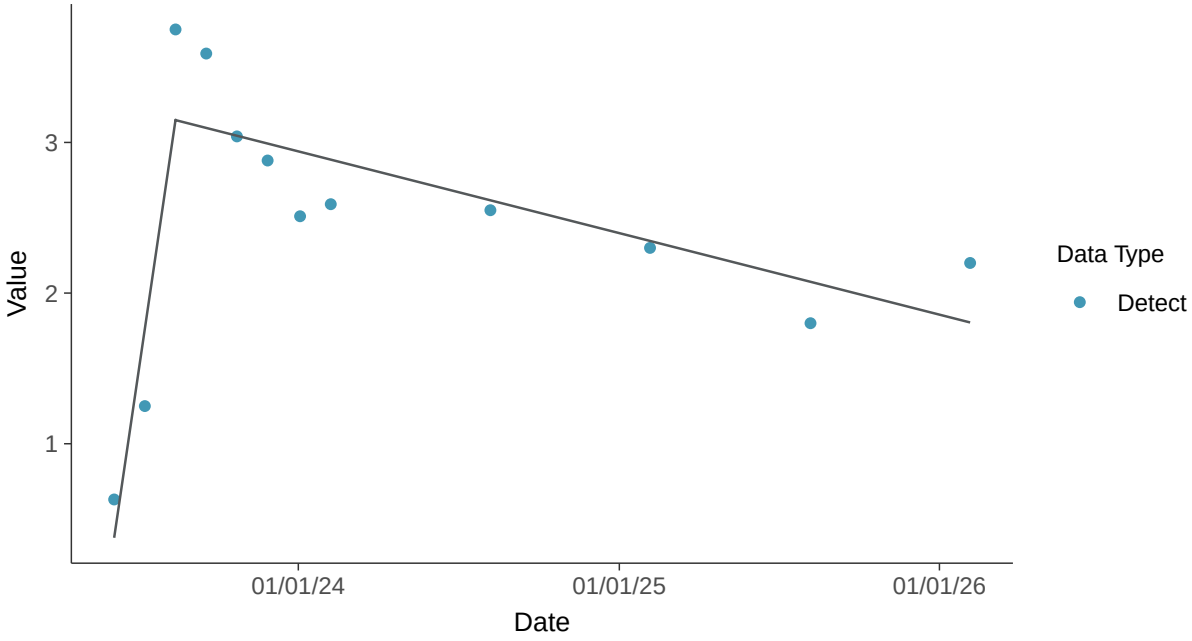
Trend Regression: Lognormal MLE

Iron, MW-100A (mg/l)



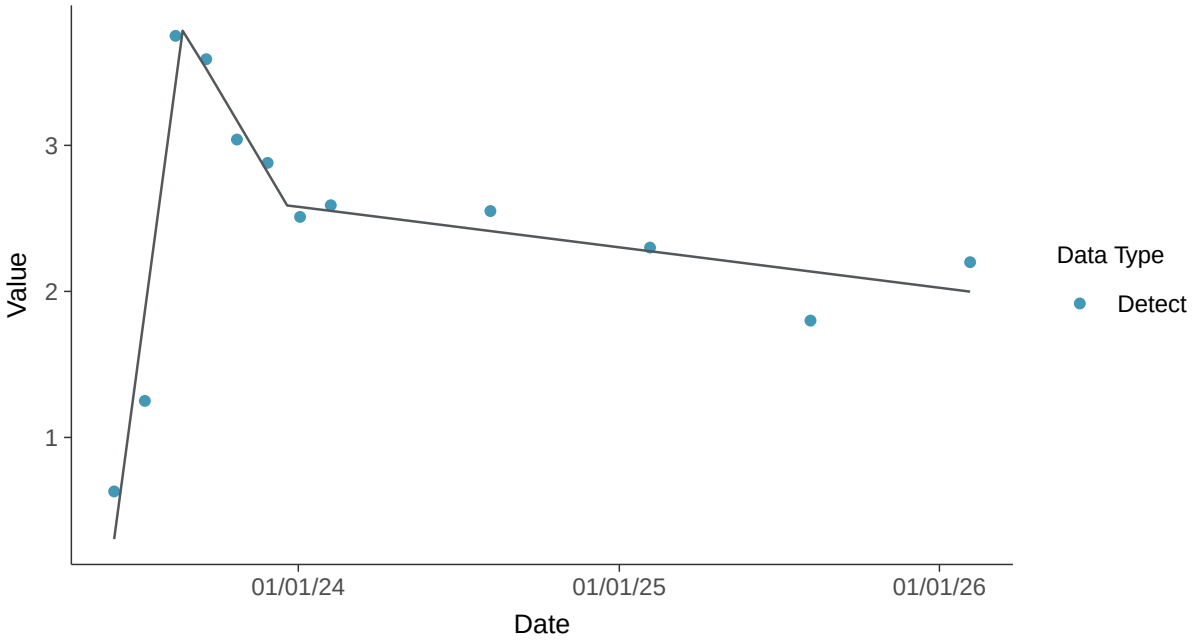
Trend Regression: Piecewise Linear-Linear

Iron, MW-100A (mg/l)



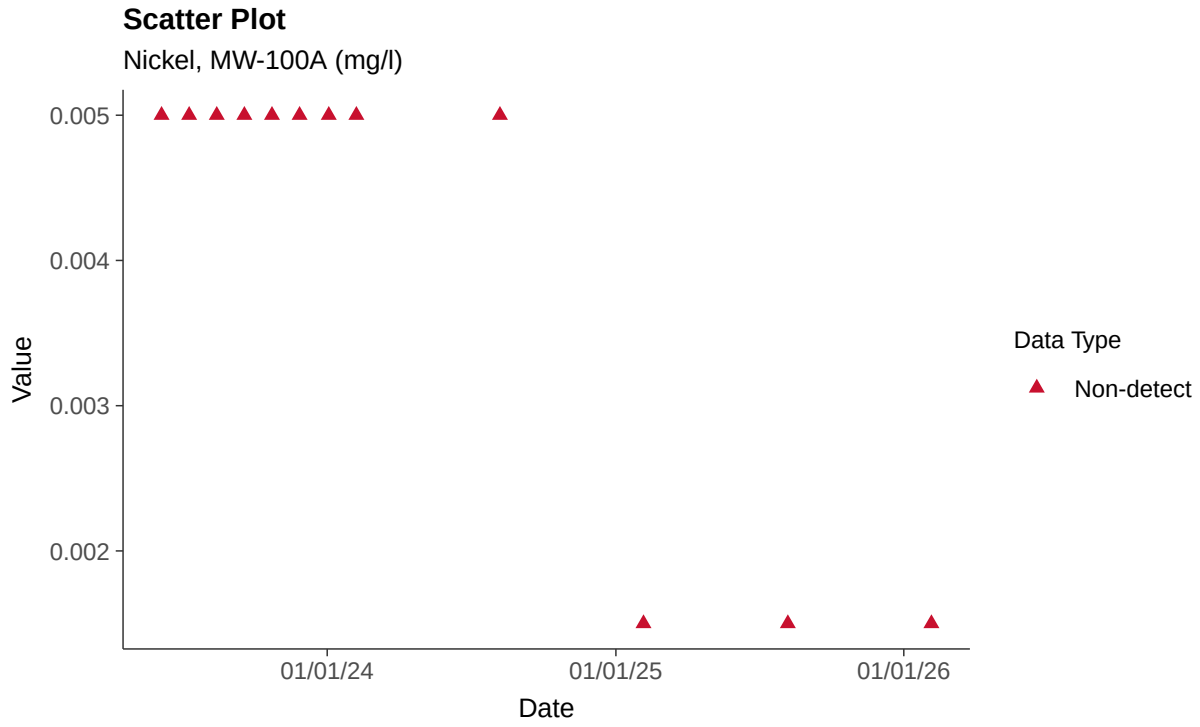
Trend Regression: Piecewise Linear-Linear-Linear

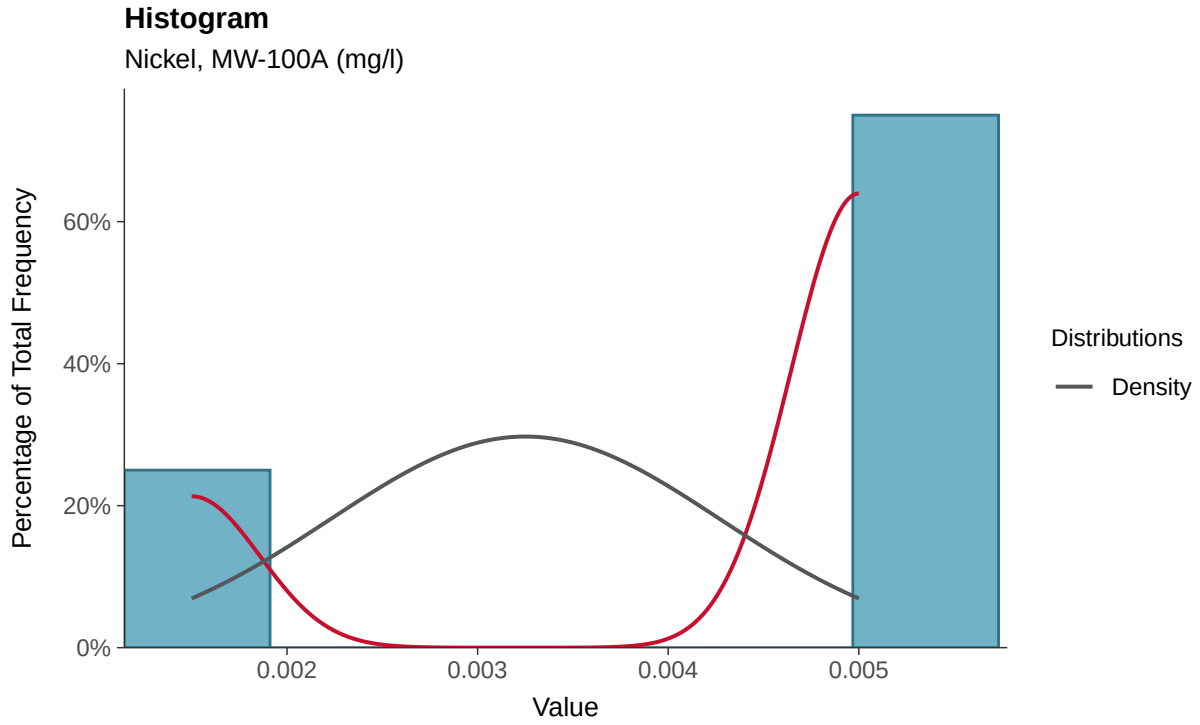
Iron, MW-100A (mg/l)



Part 115: Nickel, MW-100A

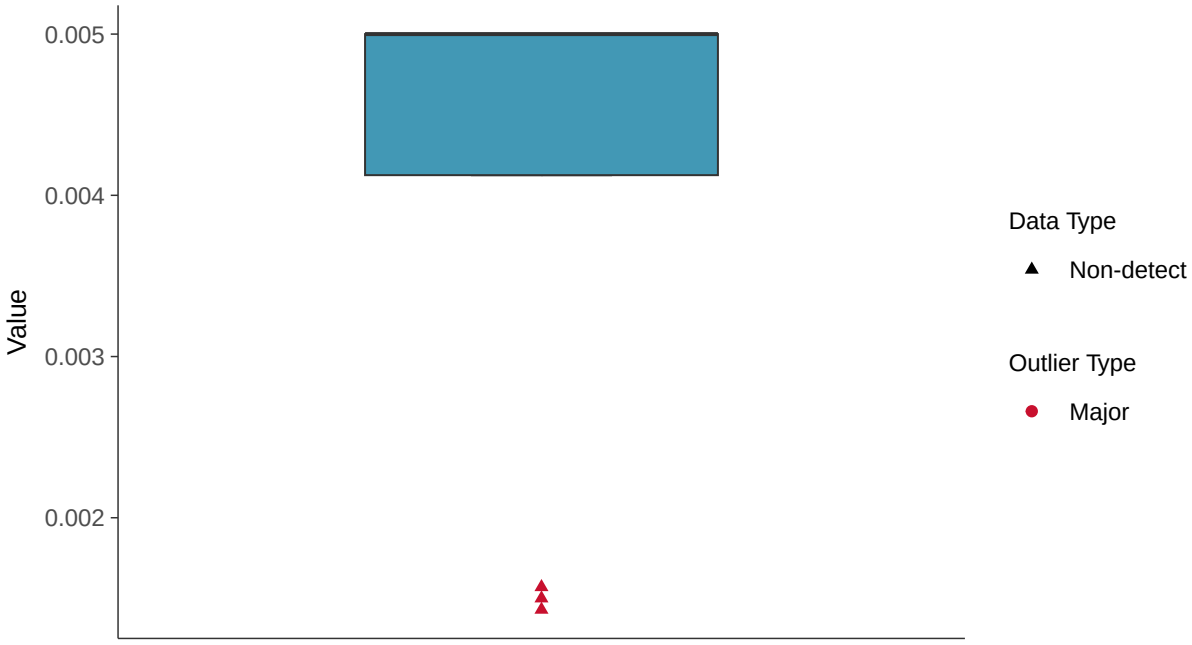
ID: 32_5_119





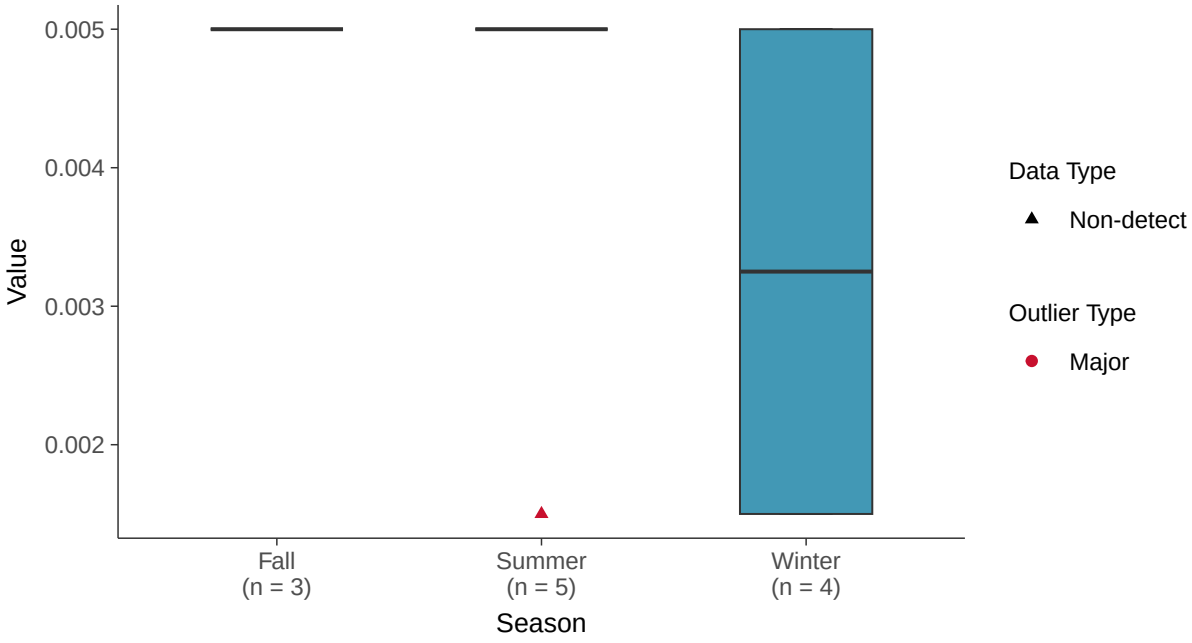
Boxplot

Nickel, MW-100A (mg/l)



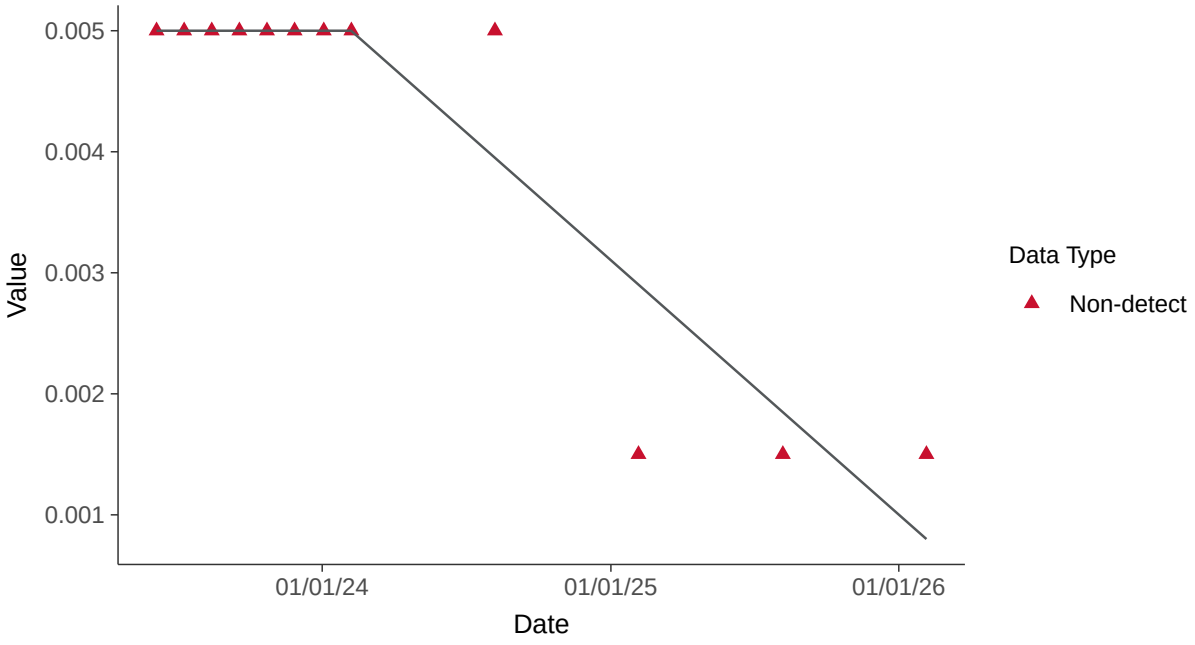
Boxplot by Season

Nickel, MW-100A (mg/l)



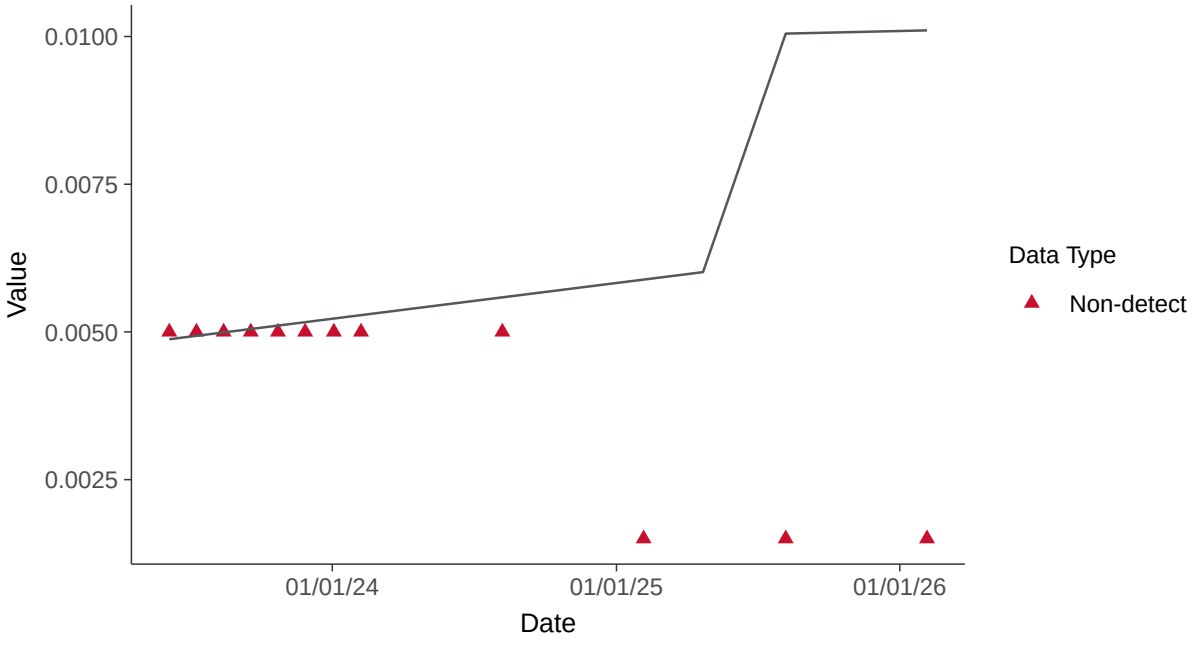
Trend Regression: Piecewise Linear-Linear

Nickel, MW-100A (mg/l)



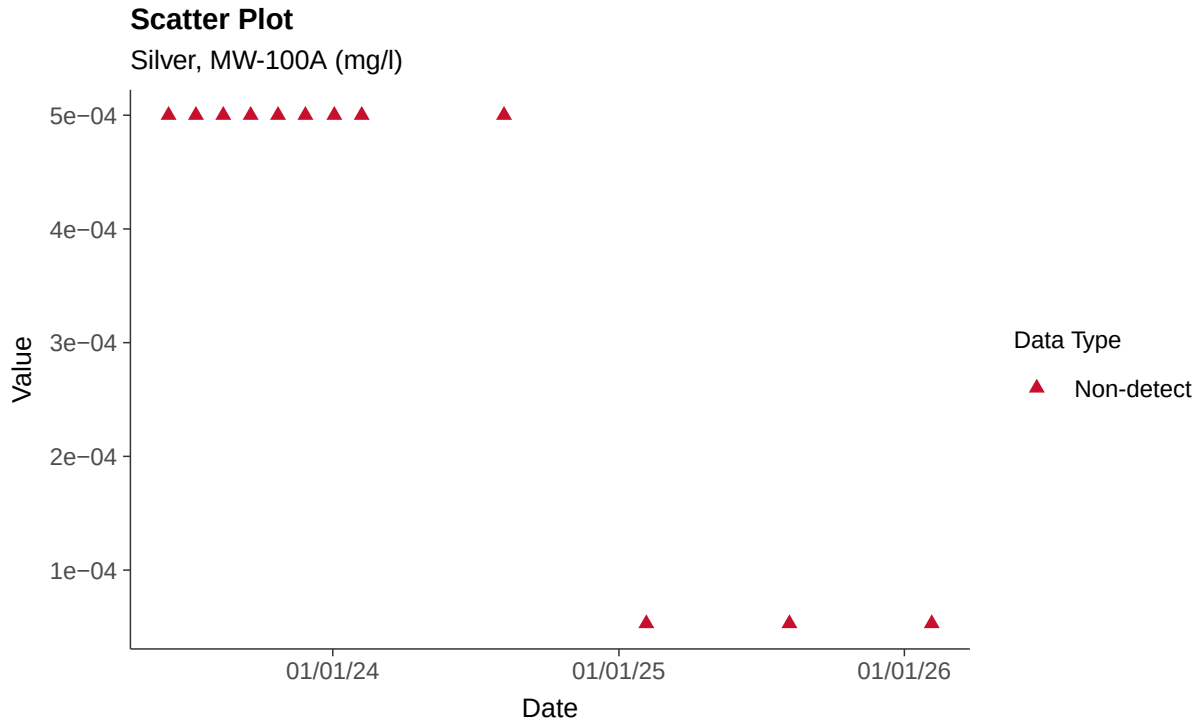
Trend Regression: Piecewise Linear-Linear-Linear

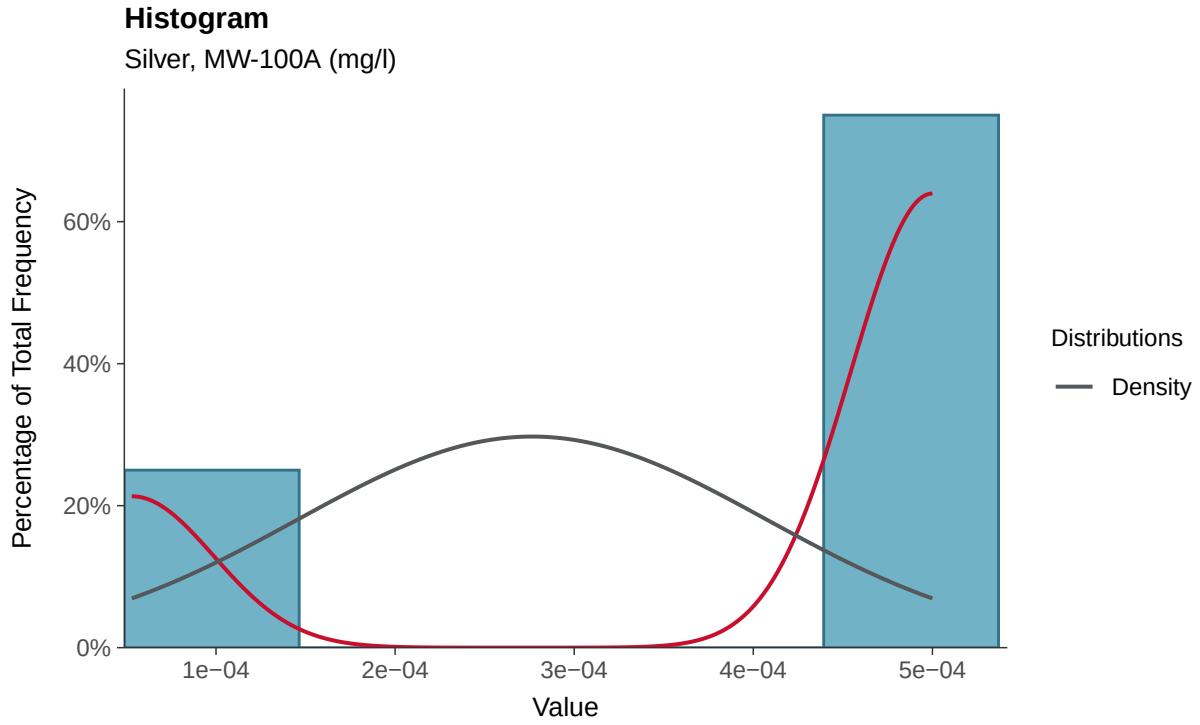
Nickel, MW-100A (mg/l)



Part 115: Silver, MW-100A

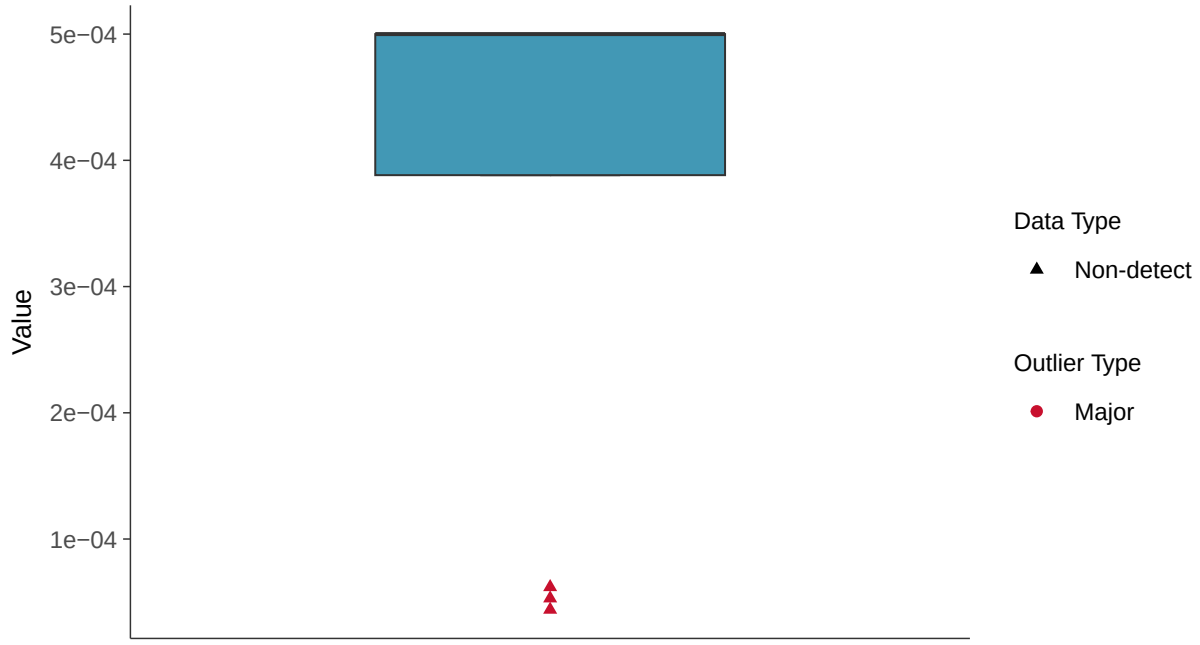
ID: 32_5_123





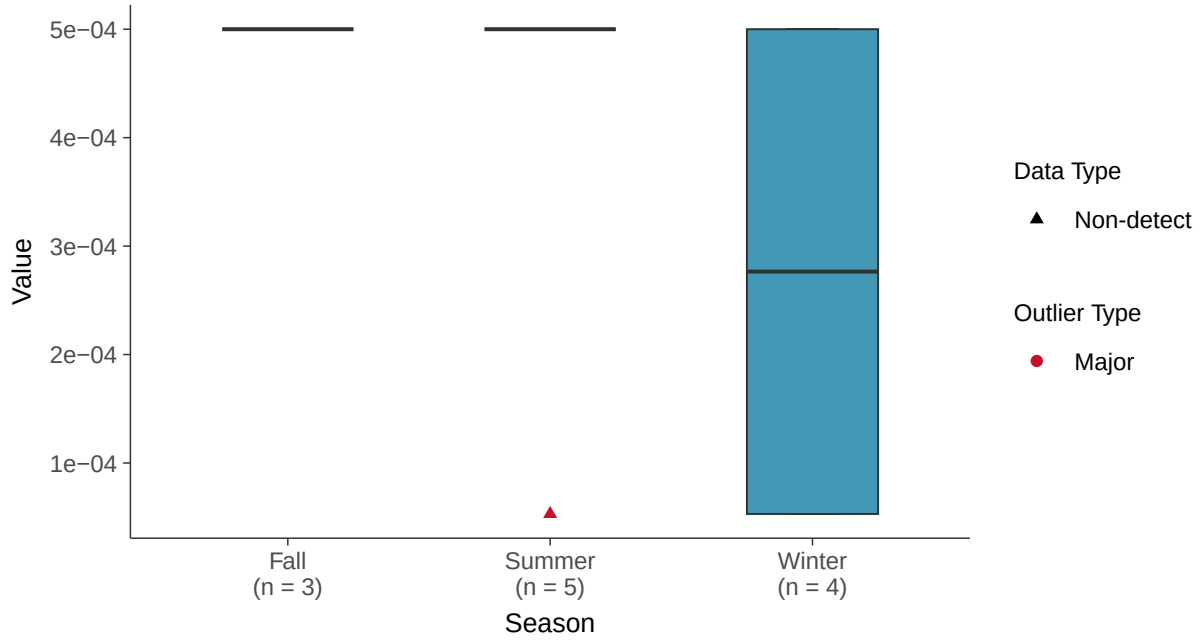
Boxplot

Silver, MW-100A (mg/l)



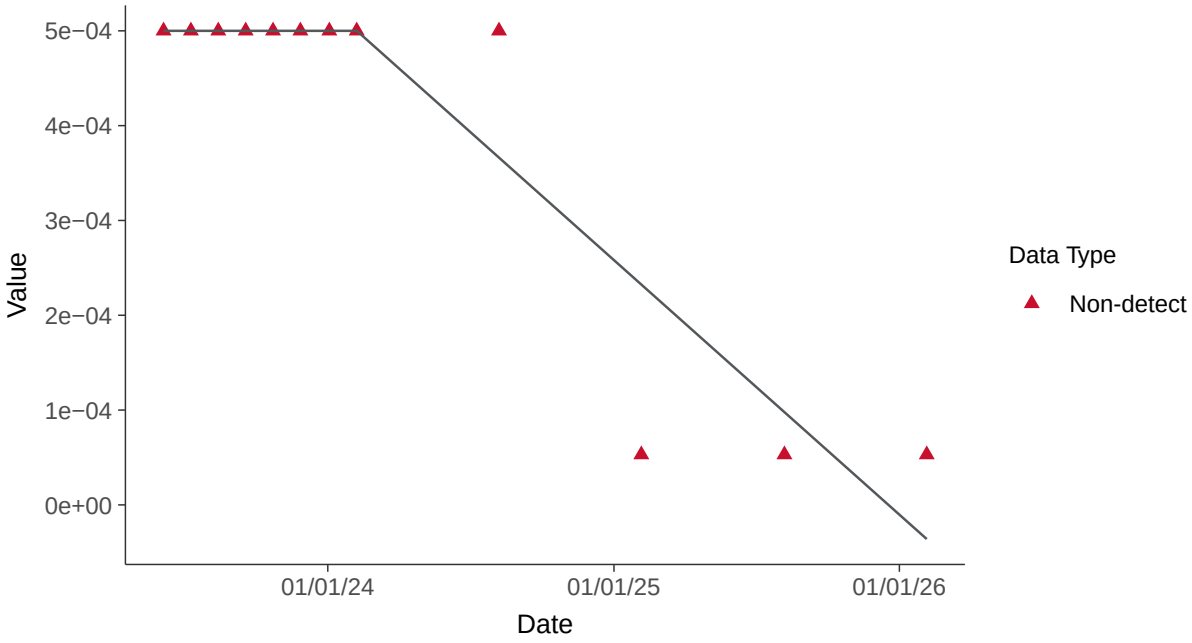
Boxplot by Season

Silver, MW-100A (mg/l)



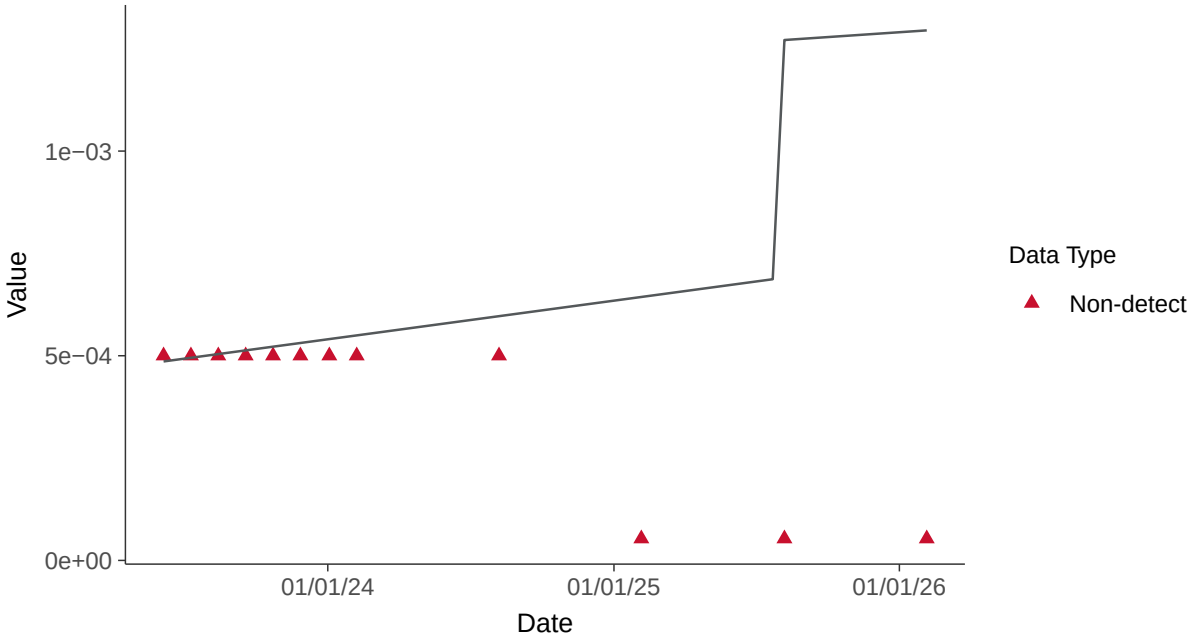
Trend Regression: Piecewise Linear-Linear

Silver, MW-100A (mg/l)



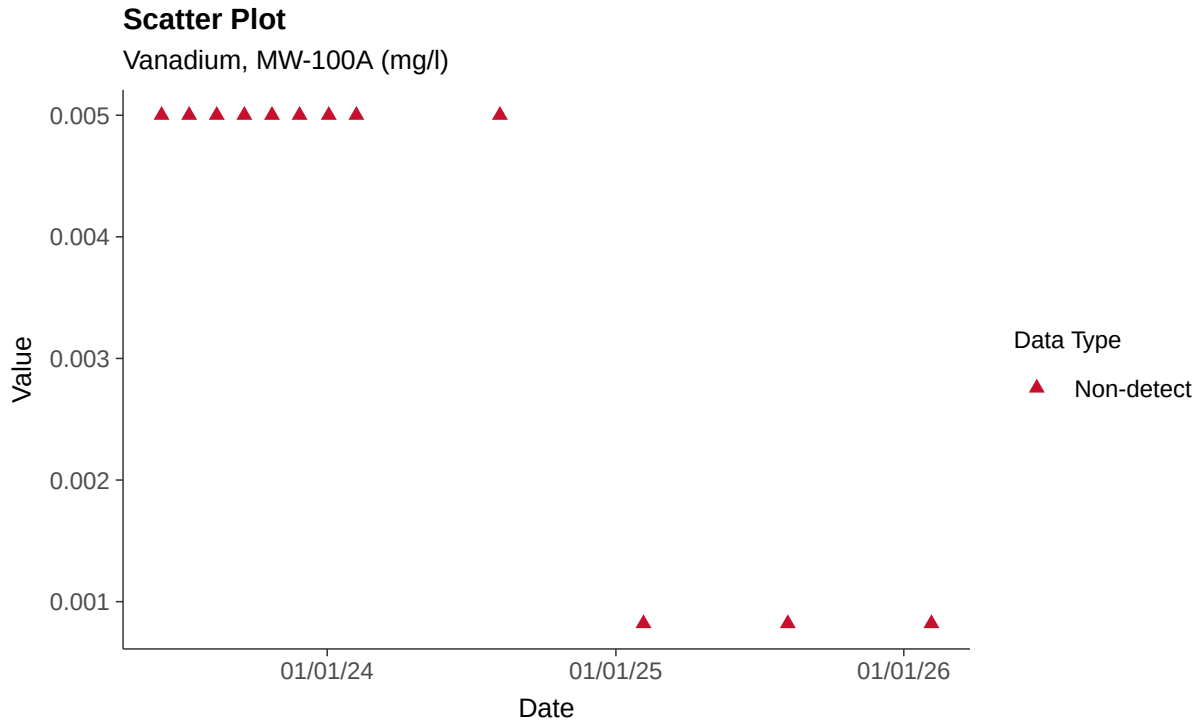
Trend Regression: Piecewise Linear-Linear-Linear

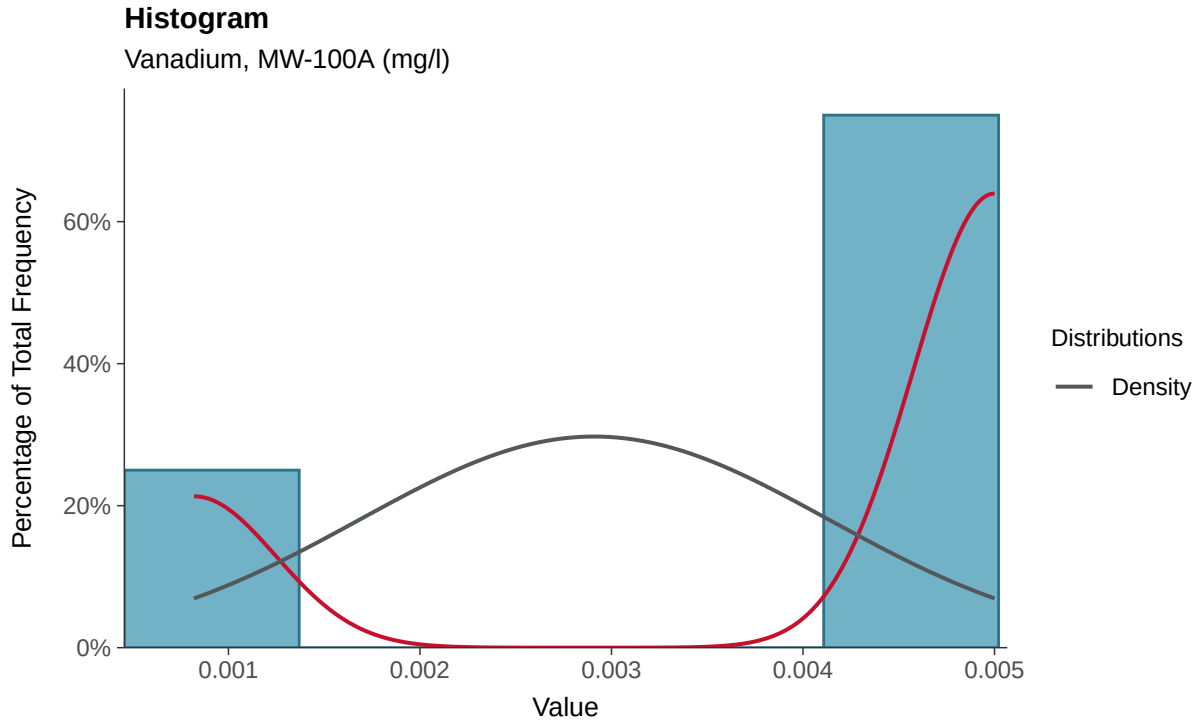
Silver, MW-100A (mg/l)



Part 115: Vanadium, MW-100A

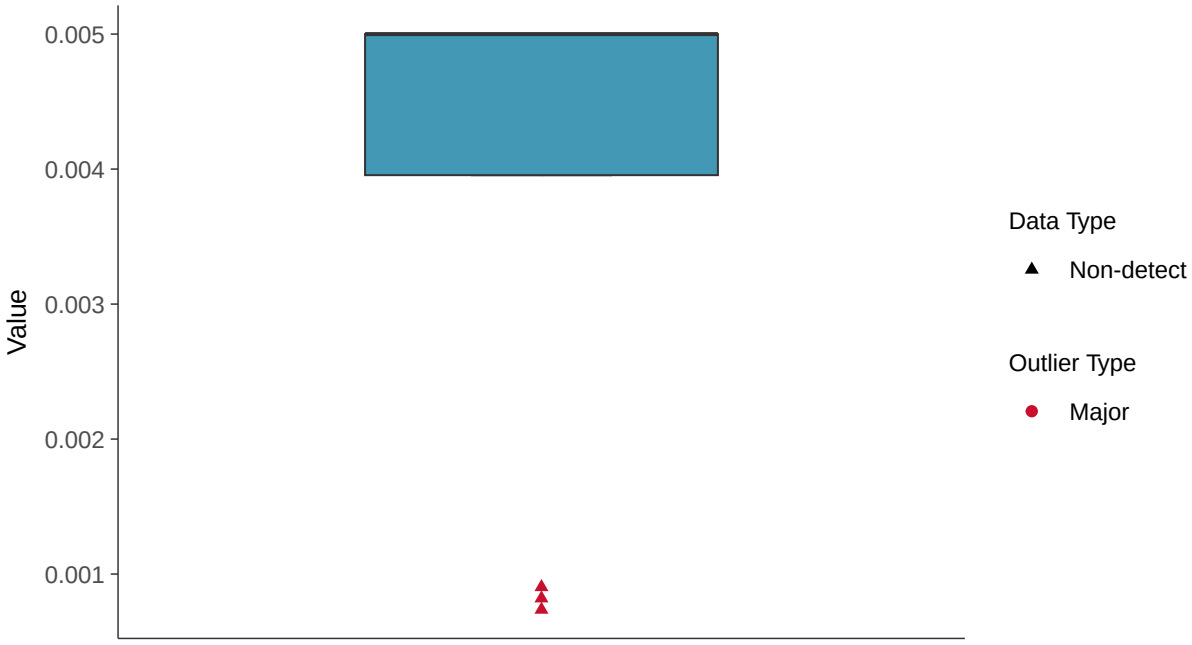
ID: 32_5_128





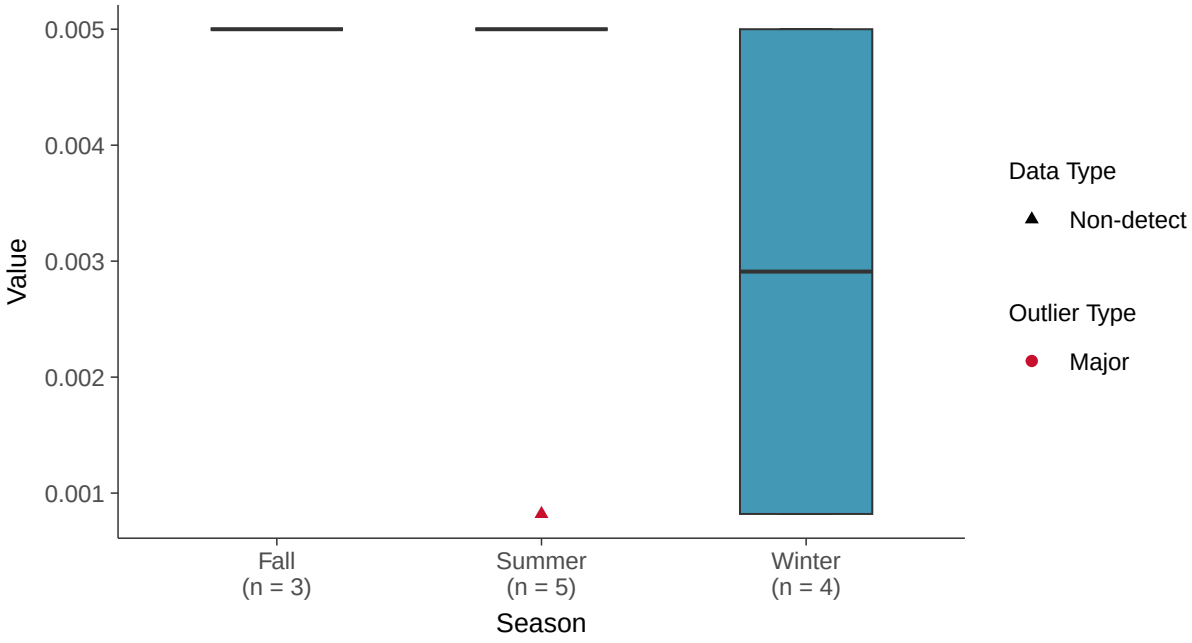
Boxplot

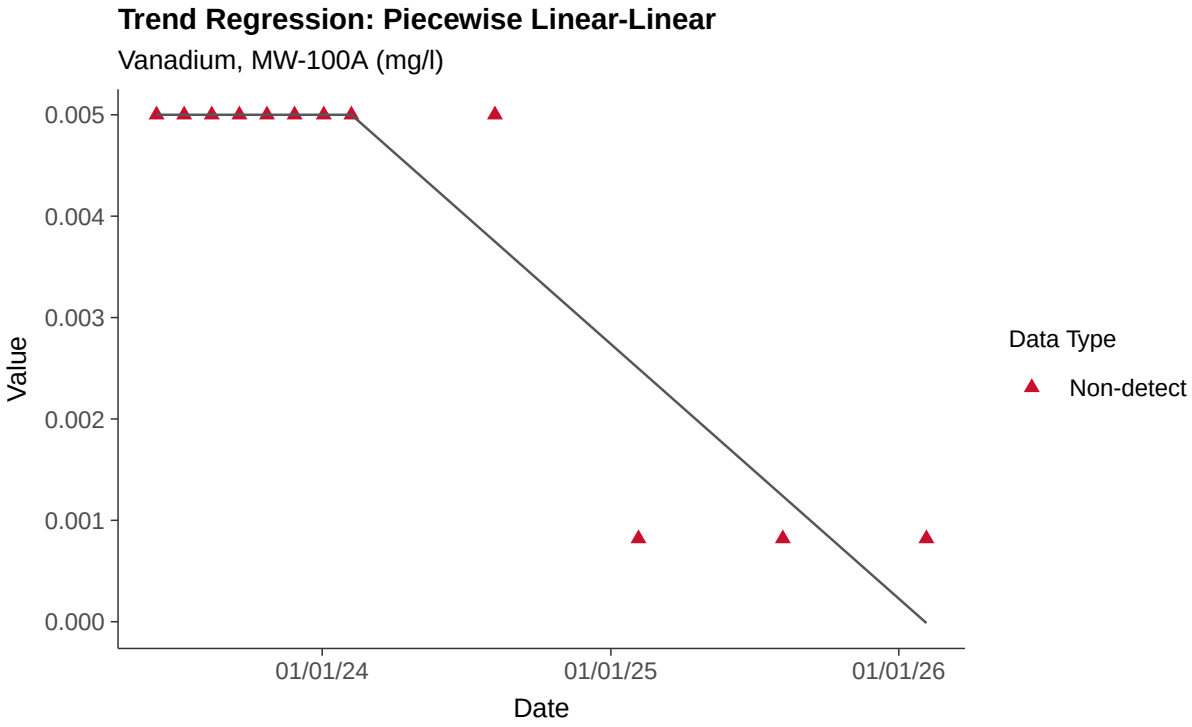
Vanadium, MW-100A (mg/l)



Boxplot by Season

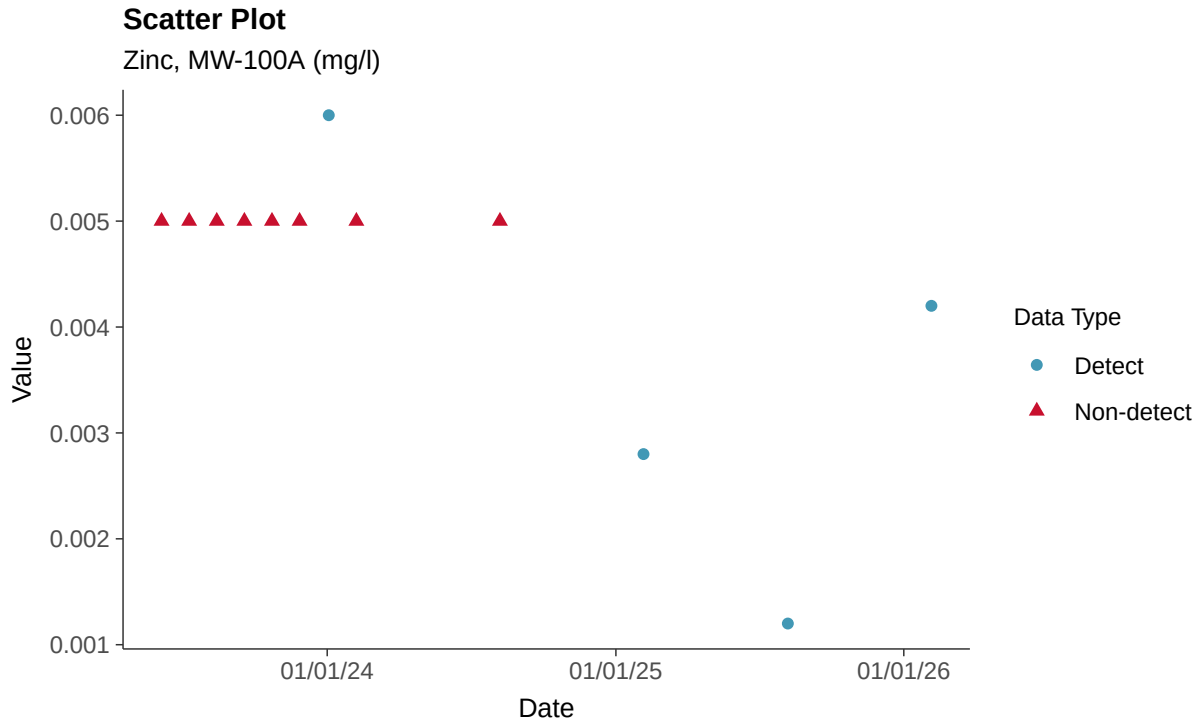
Vanadium, MW-100A (mg/l)

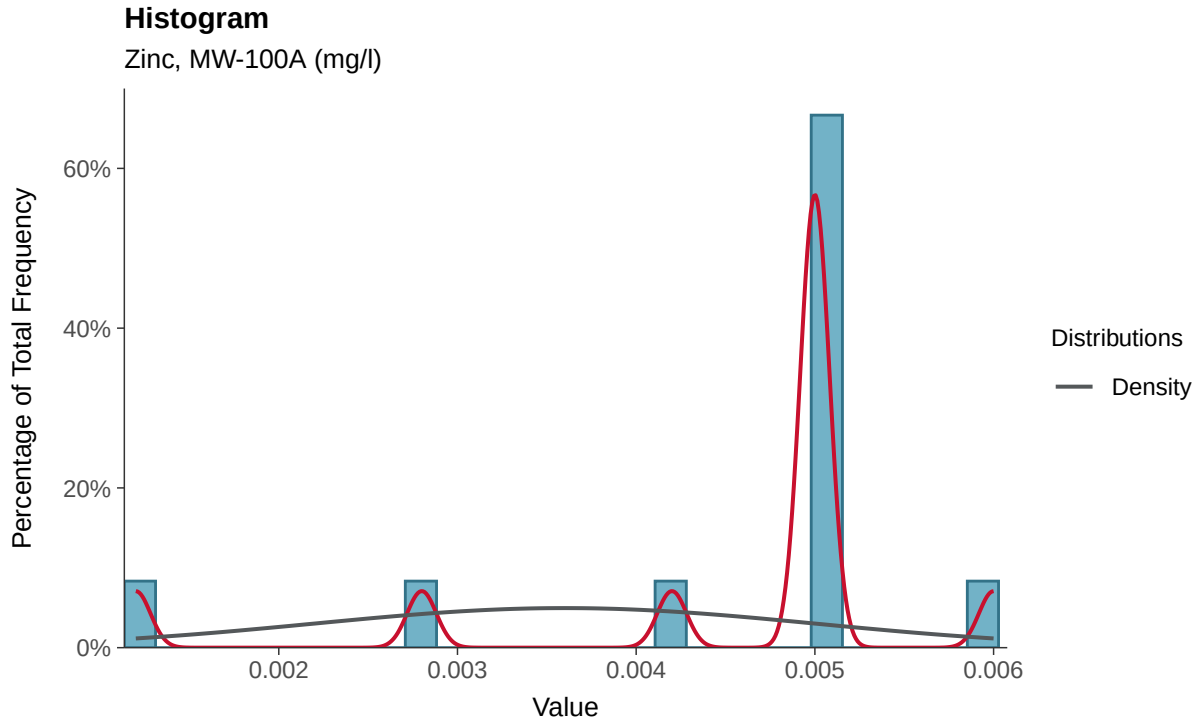



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-100A (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-100A

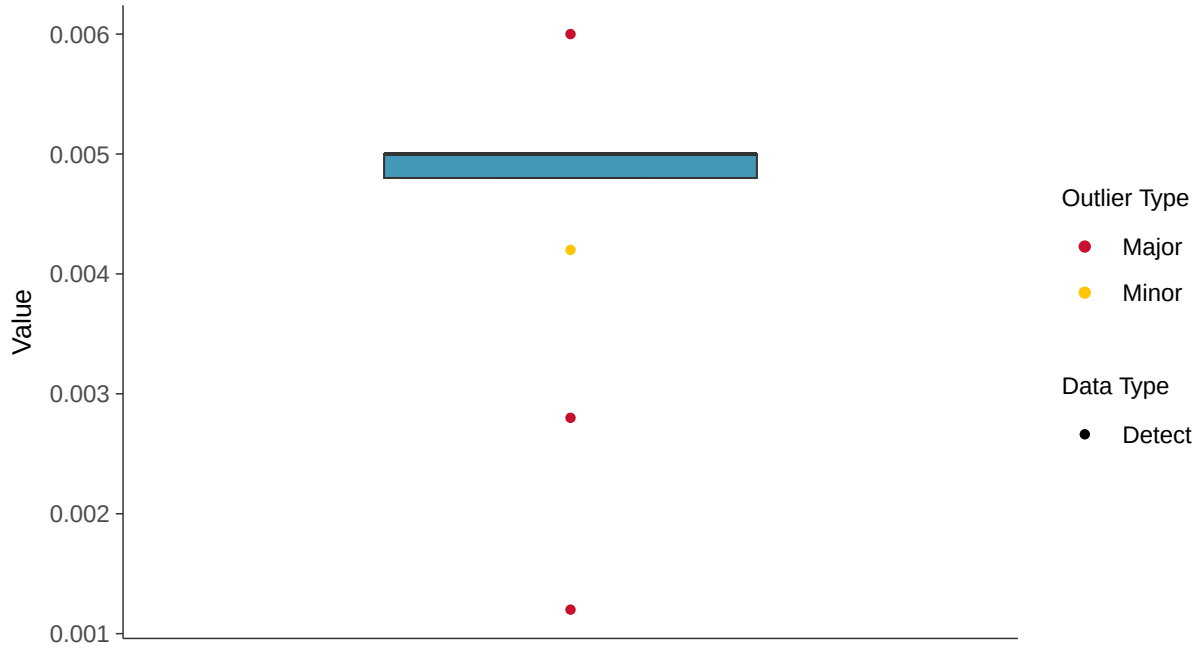
ID: 32_5_129





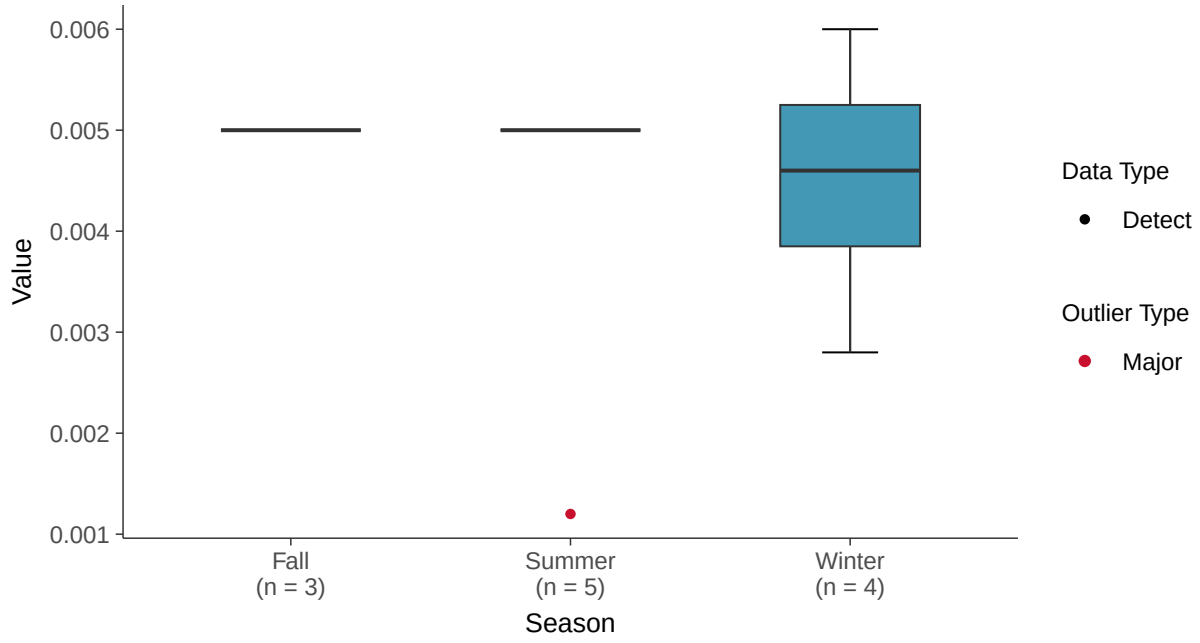
Boxplot

Zinc, MW-100A (mg/l)



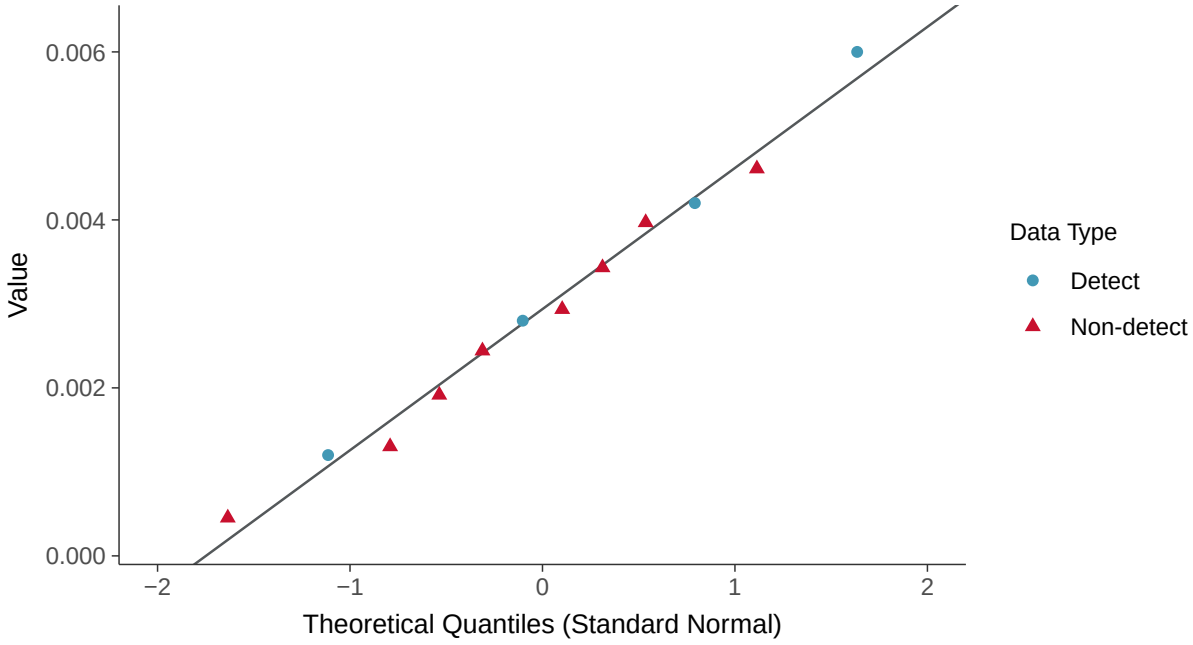
Boxplot by Season

Zinc, MW-100A (mg/l)



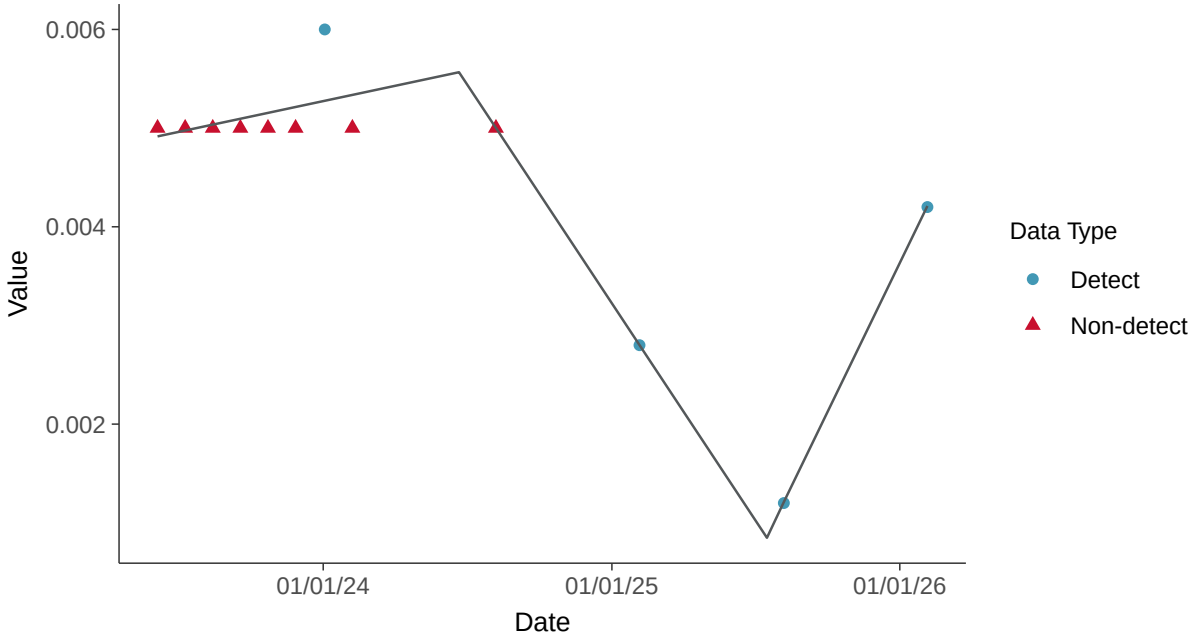
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-100A (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Zinc, MW-100A (mg/l)

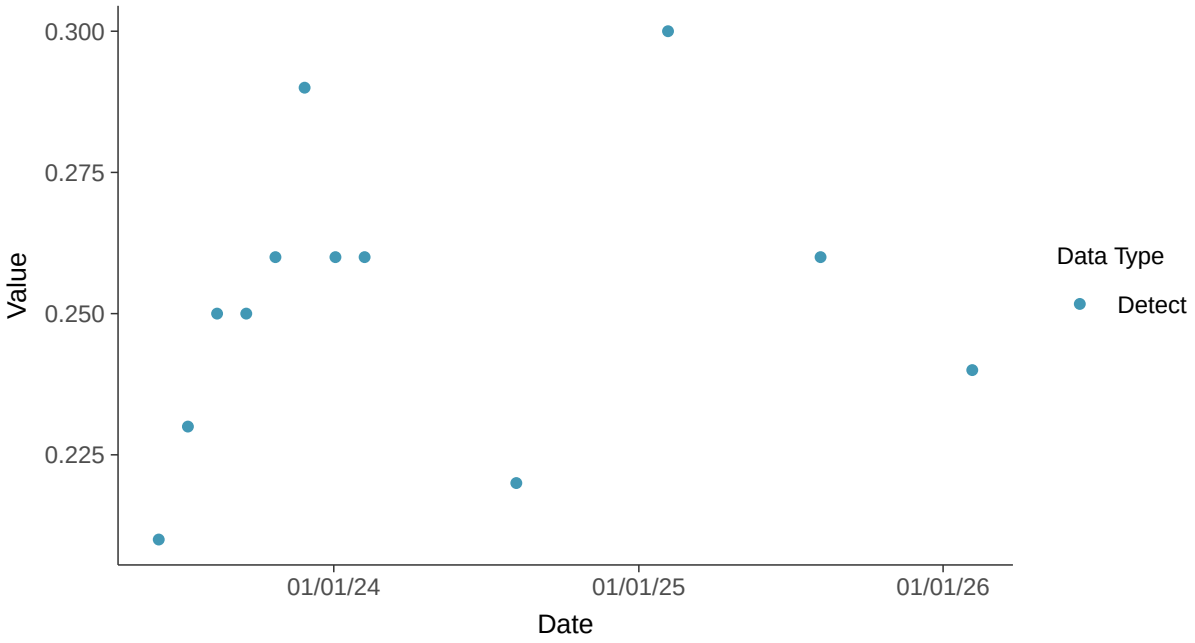


Appendix III: Boron, MW-100B

ID: 33_2_105

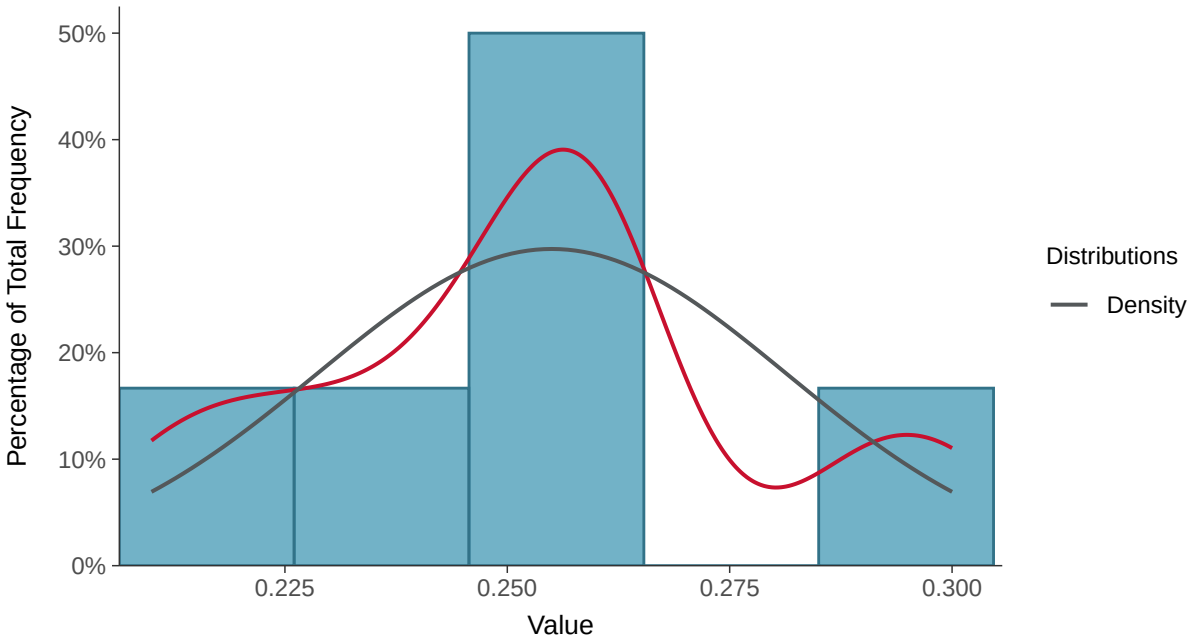
Scatter Plot

Boron, MW-100B (mg/l)



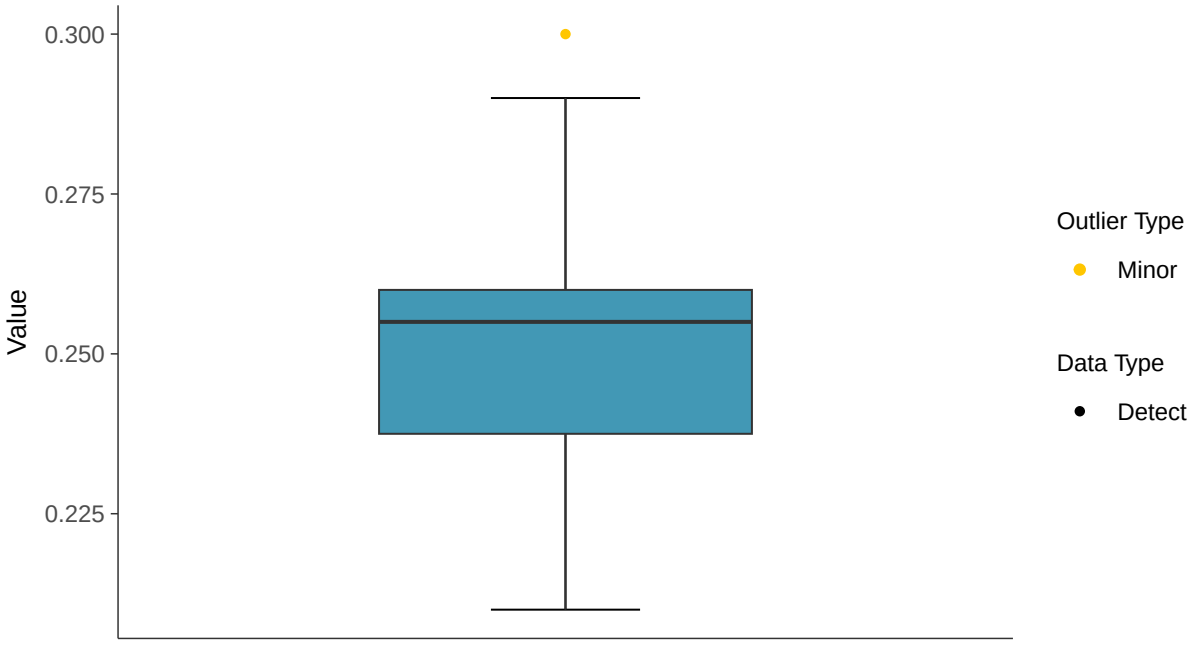
Histogram

Boron, MW-100B (mg/l)



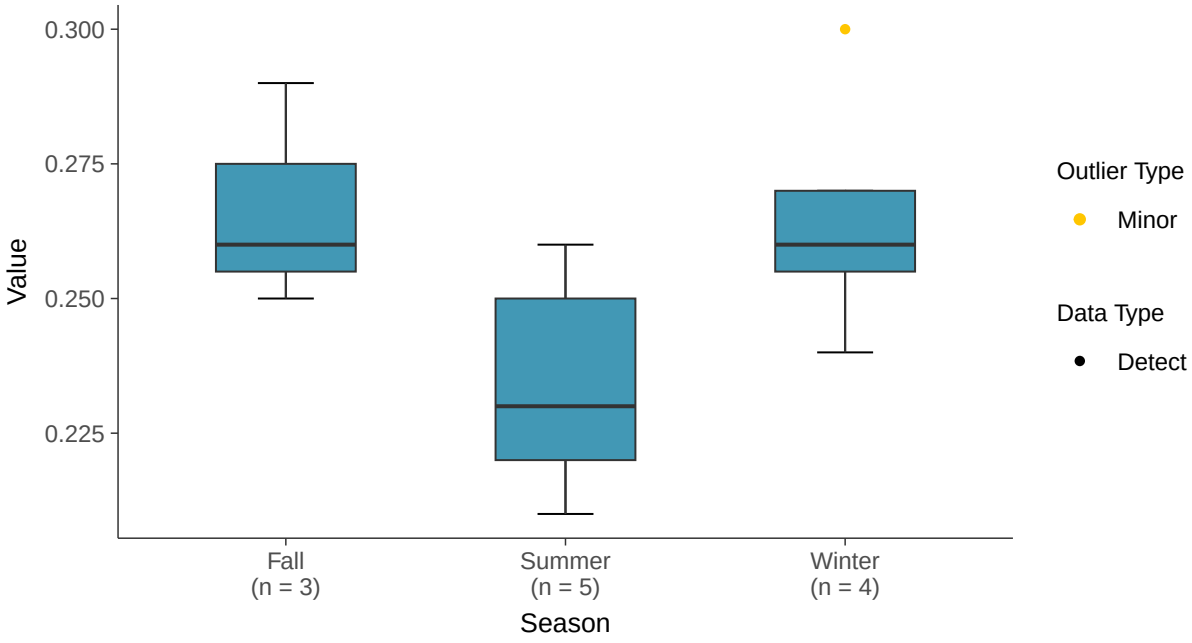
Boxplot

Boron, MW-100B (mg/l)



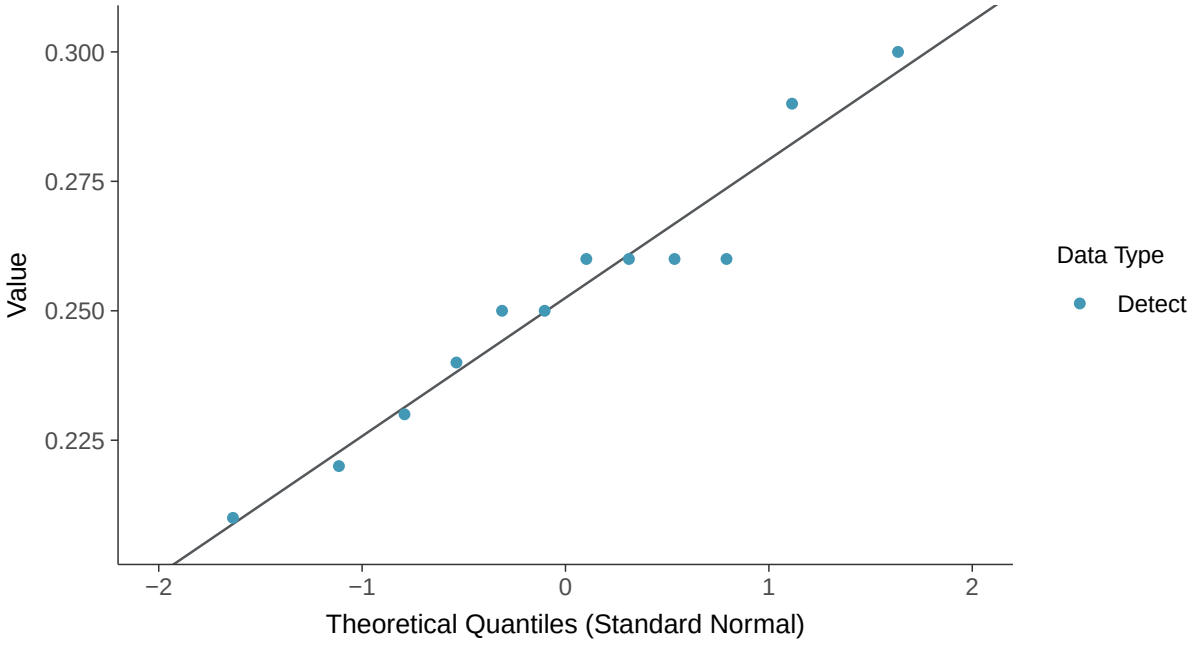
Boxplot by Season

Boron, MW-100B (mg/l)



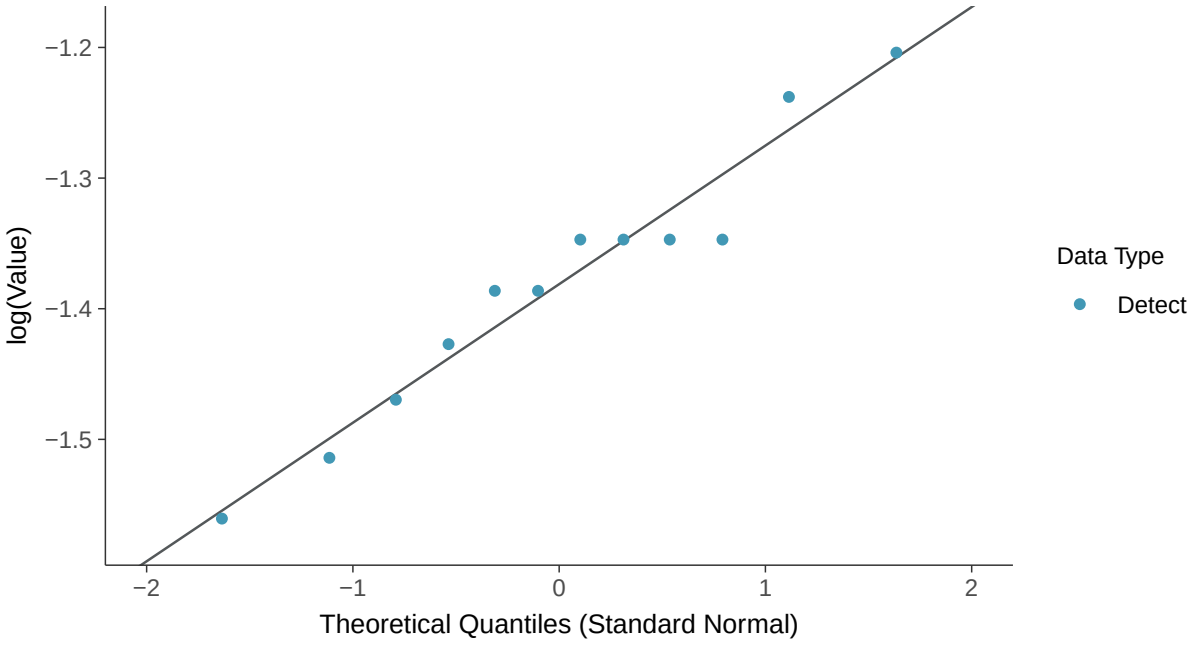
Normal Q-Q plot

Boron, MW-100B (mg/l)



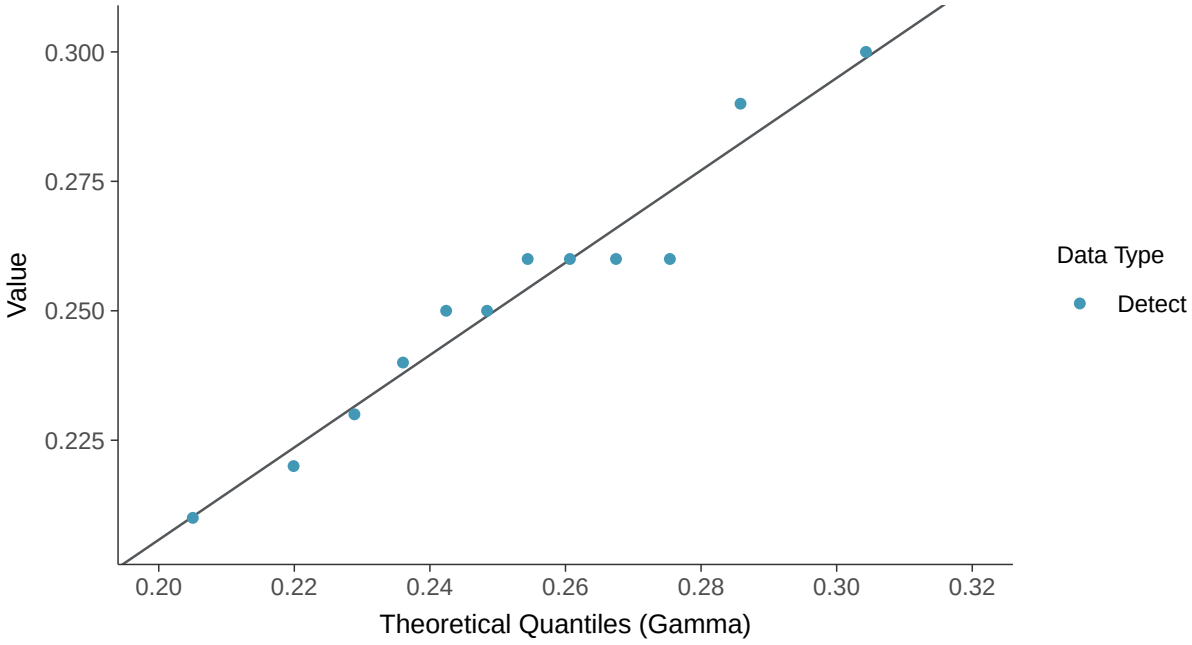
Lognormal Q-Q plot

Boron, MW-100B (mg/l)



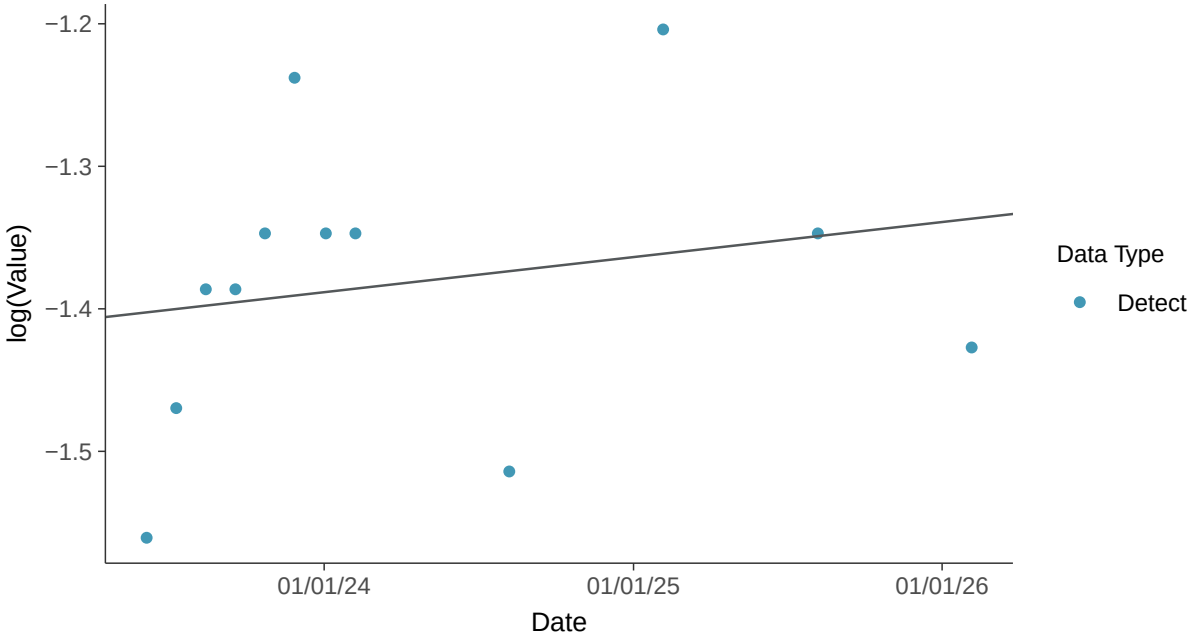
Gamma Q-Q plot

Boron, MW-100B (mg/l)



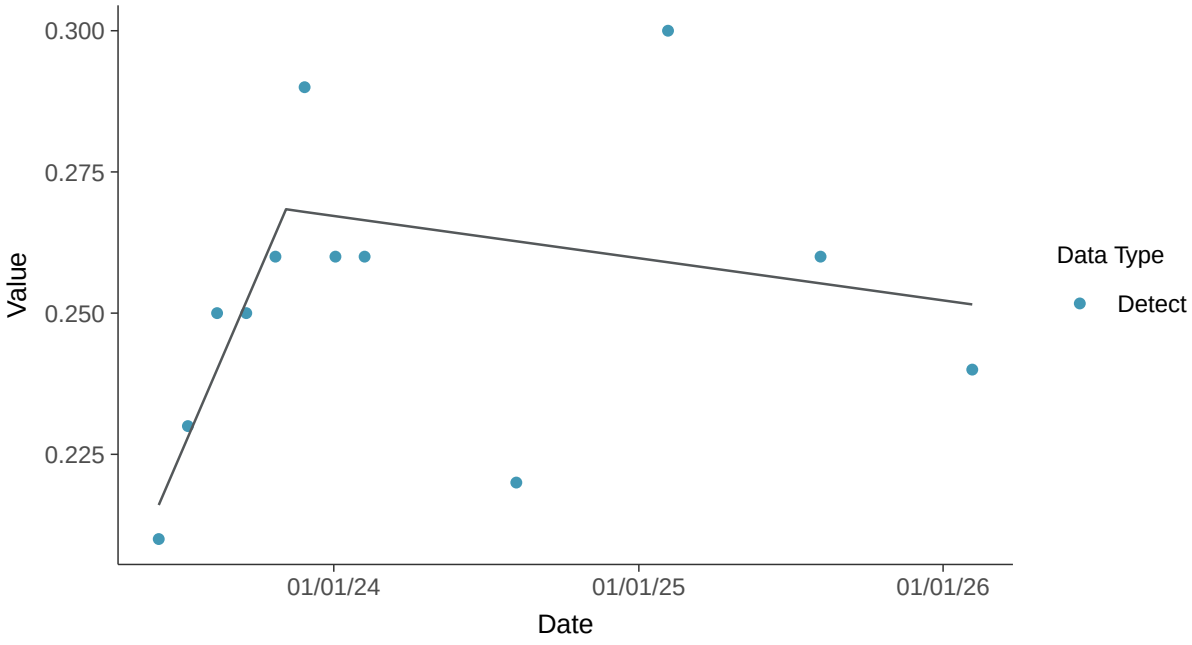
Trend Regression: Lognormal MLE

Boron, MW-100B (mg/l)



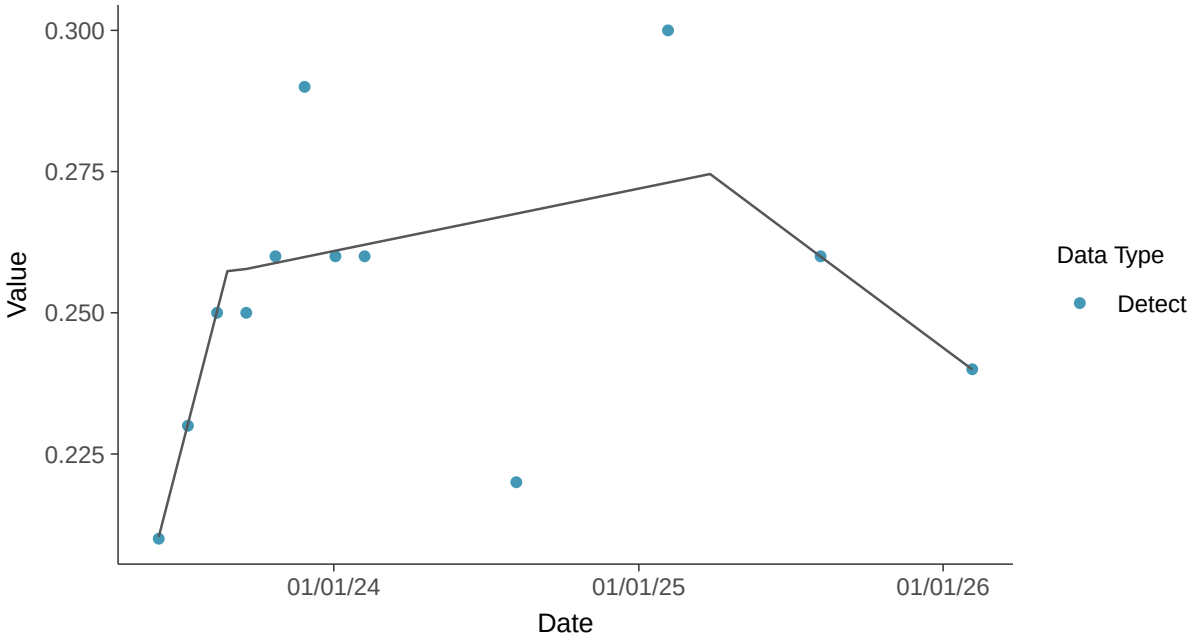
Trend Regression: Piecewise Linear-Linear

Boron, MW-100B (mg/l)



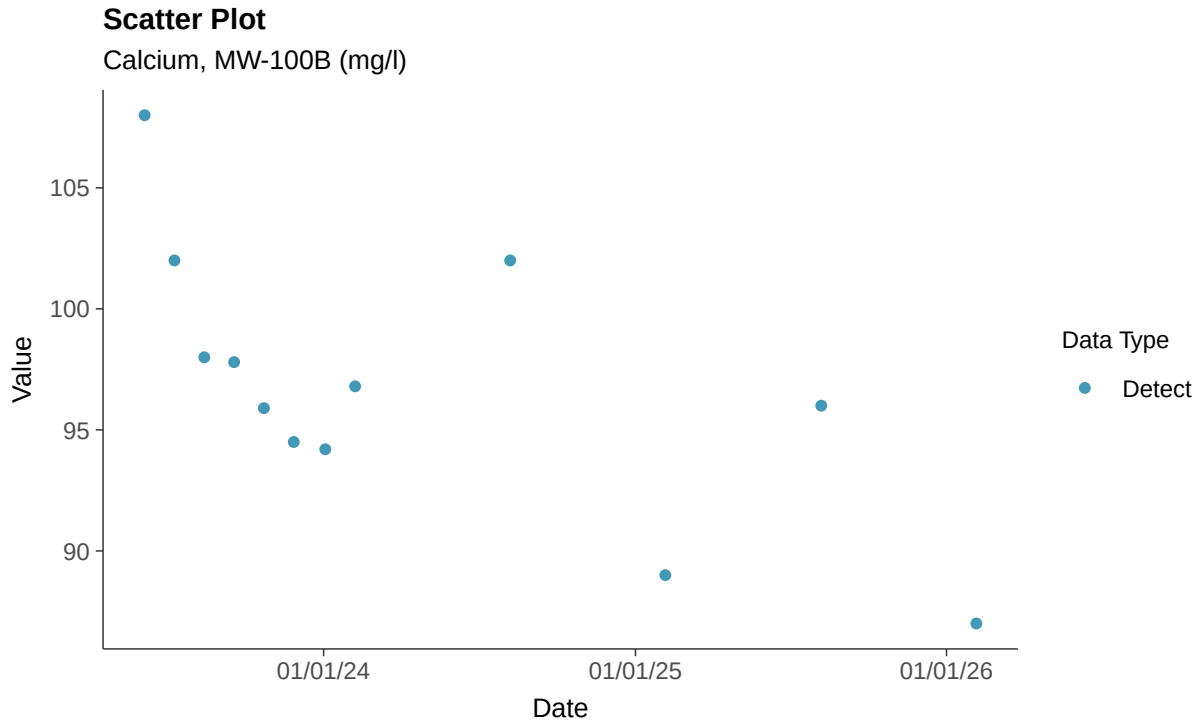
Trend Regression: Piecewise Linear-Linear-Linear

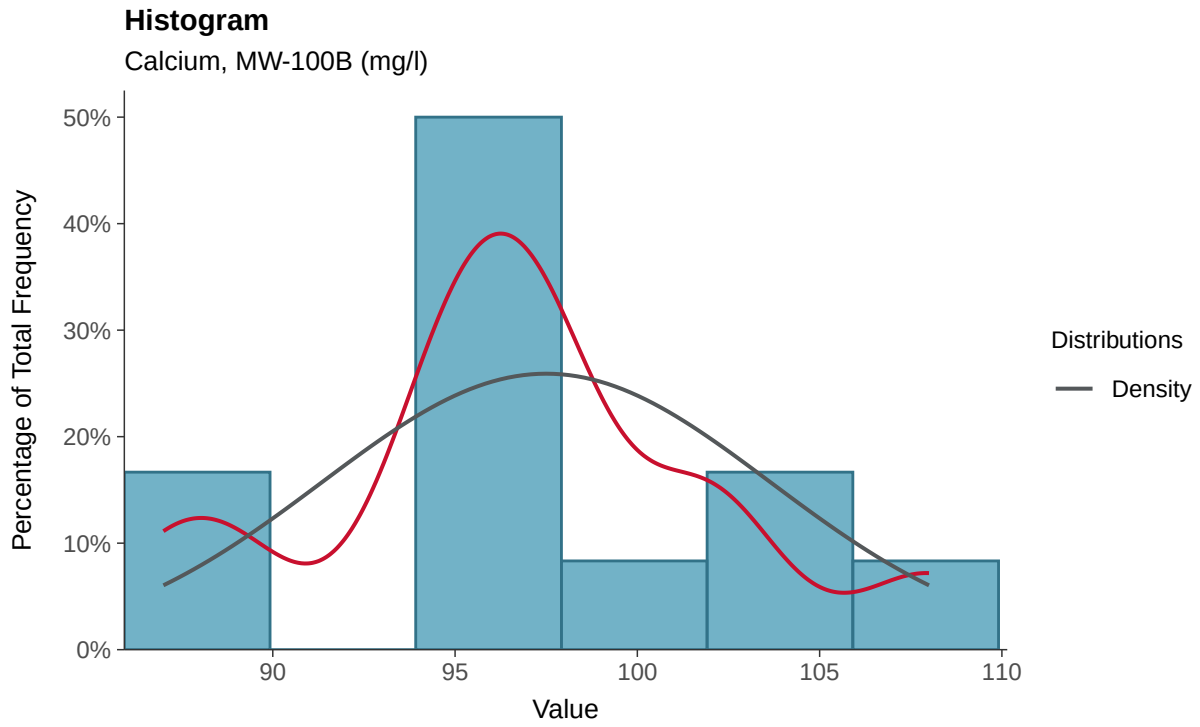
Boron, MW-100B (mg/l)



Appendix III: Calcium, MW-100B

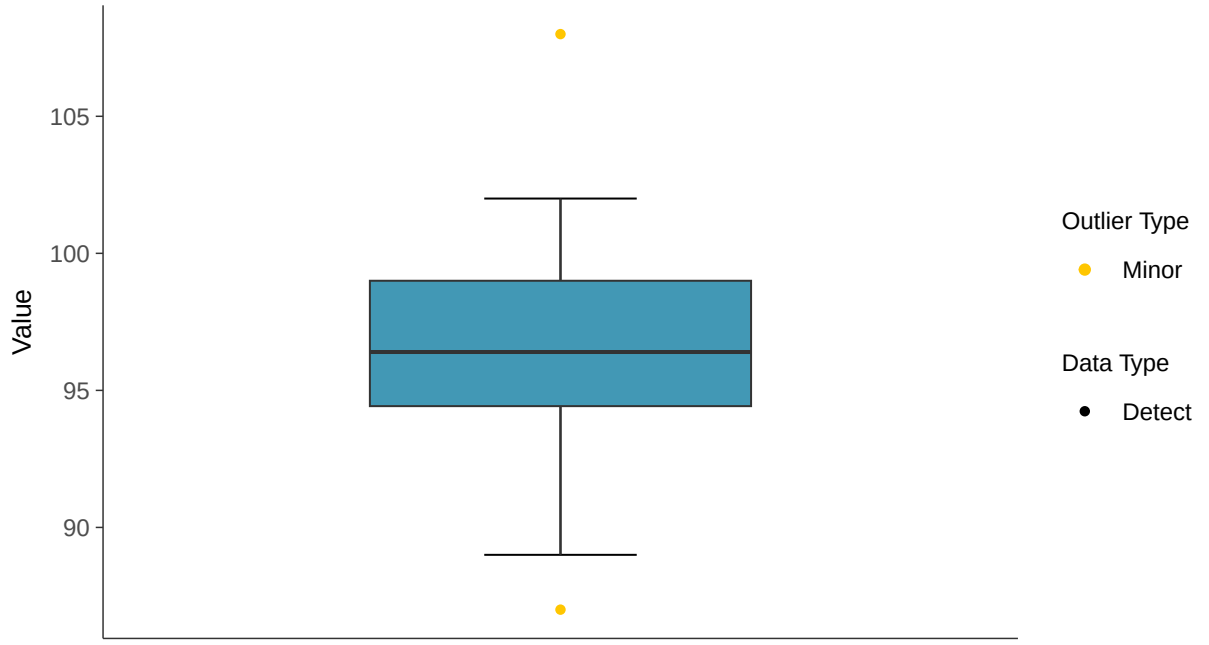
ID: 33_2_107





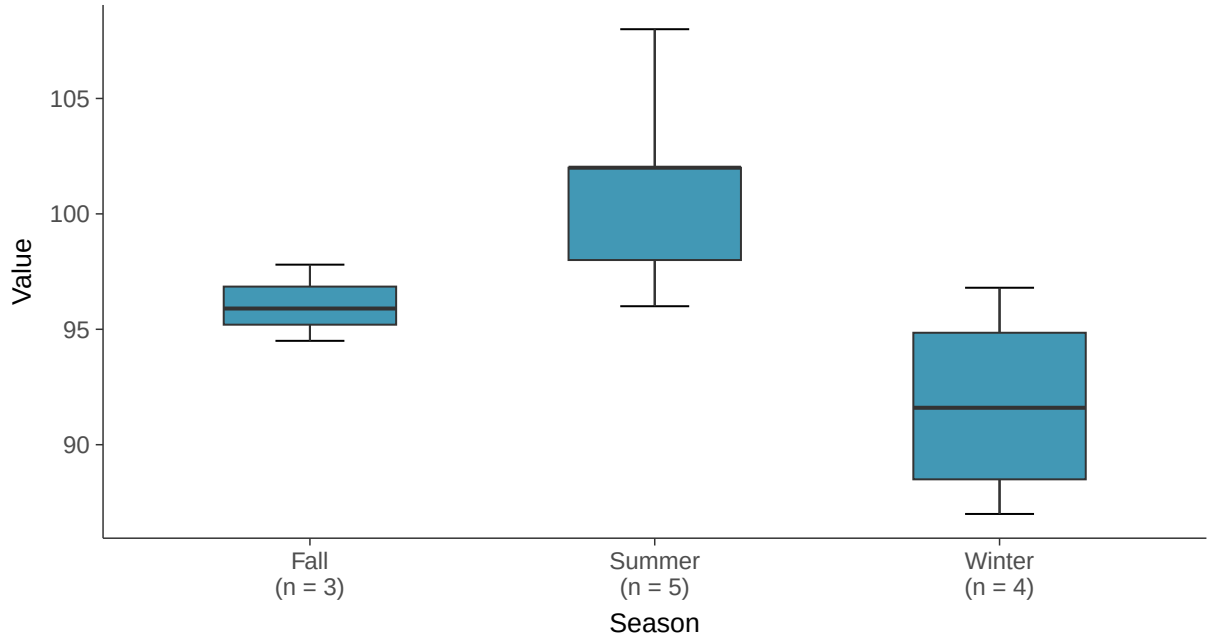
Boxplot

Calcium, MW-100B (mg/l)



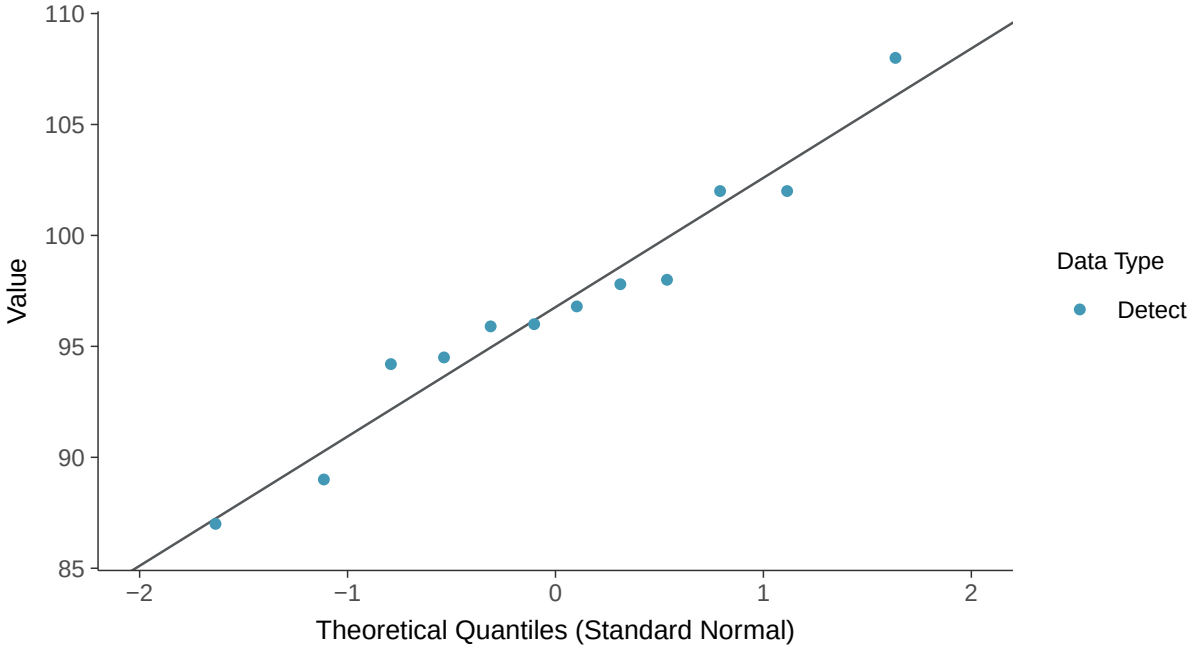
Boxplot by Season

Calcium, MW-100B (mg/l)



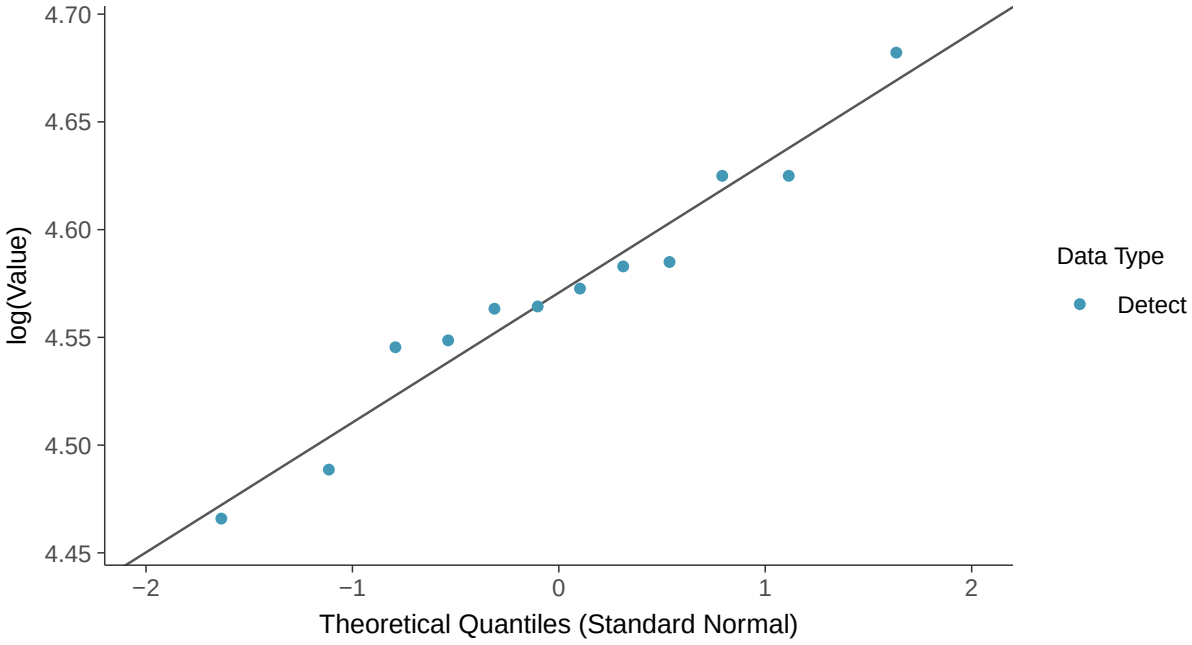
Normal Q-Q plot

Calcium, MW-100B (mg/l)



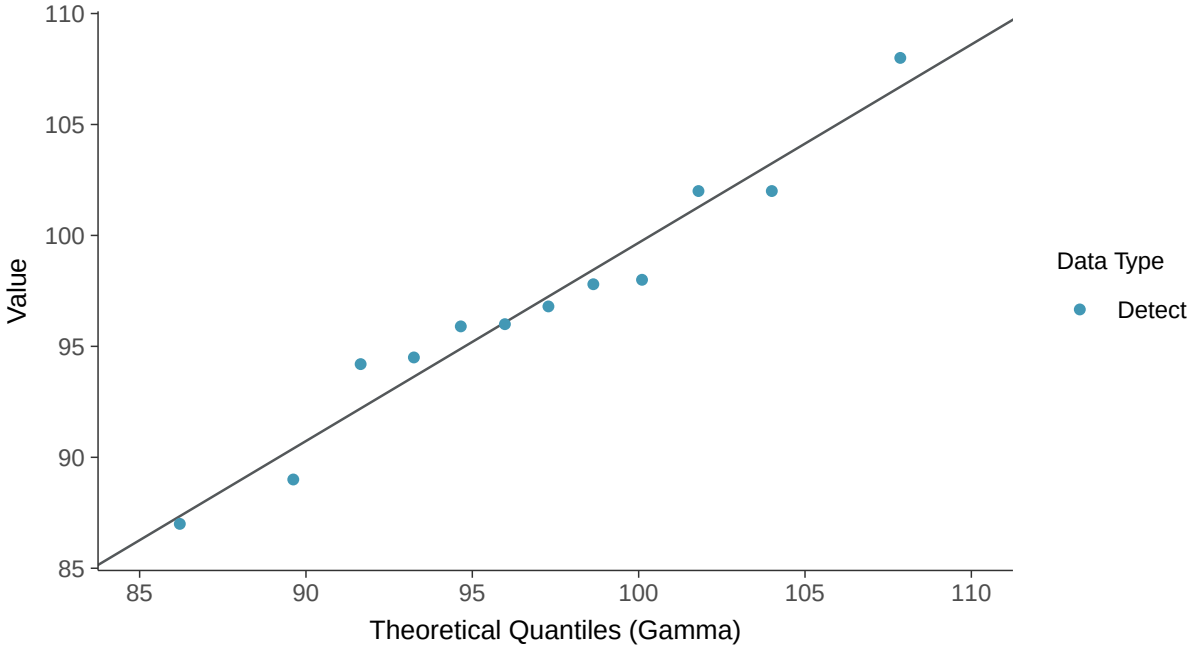
Lognormal Q-Q plot

Calcium, MW-100B (mg/l)



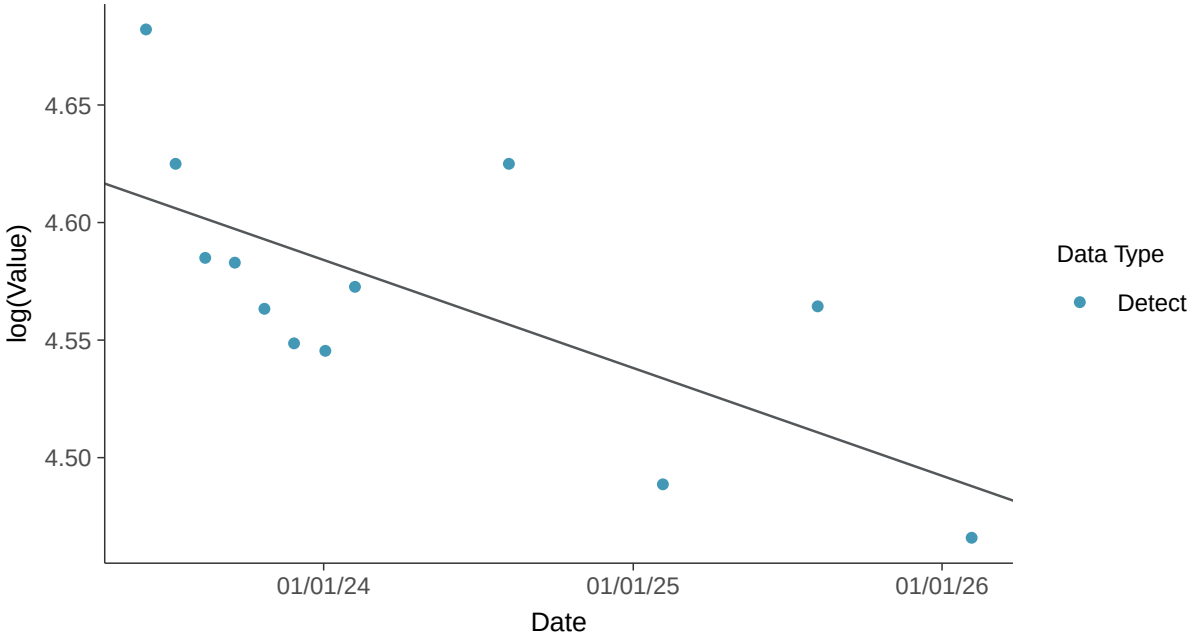
Gamma Q-Q plot

Calcium, MW-100B (mg/l)



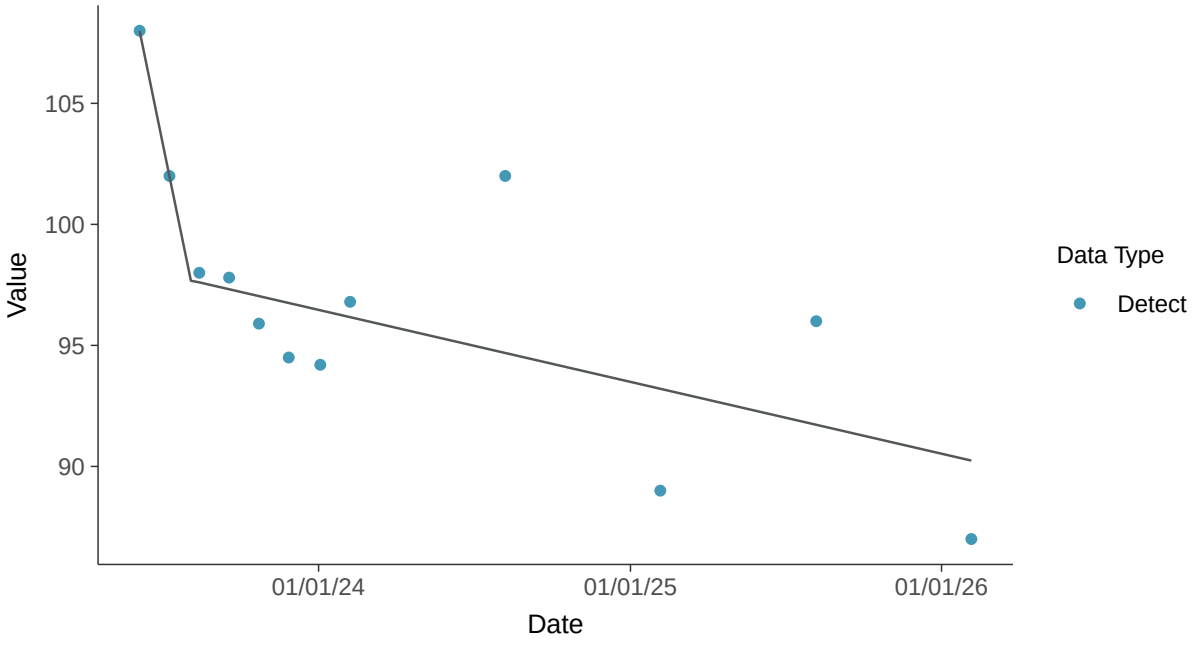
Trend Regression: Lognormal MLE

Calcium, MW-100B (mg/l)



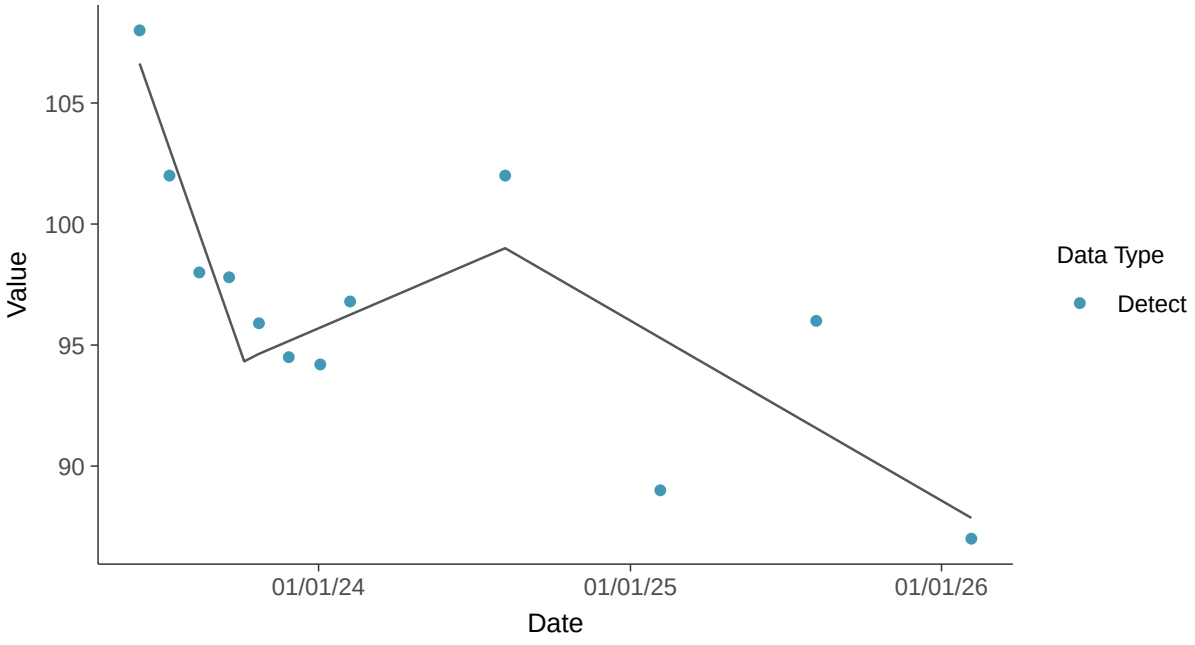
Trend Regression: Piecewise Linear-Linear

Calcium, MW-100B (mg/l)



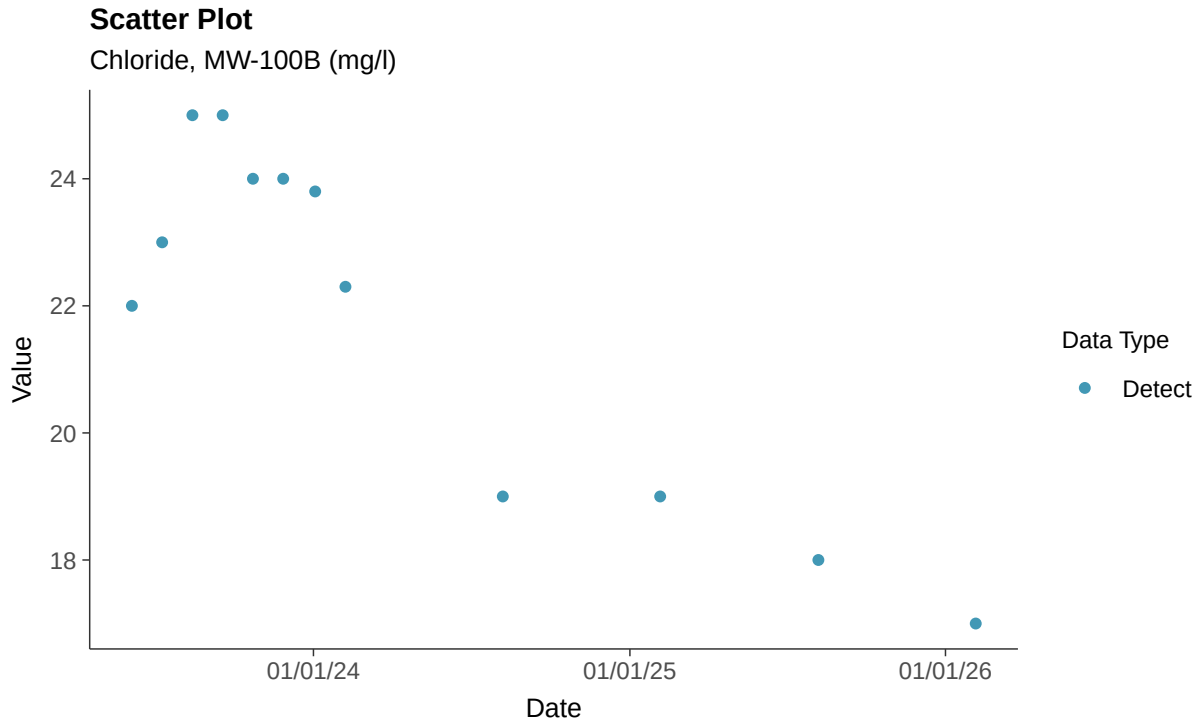
Trend Regression: Piecewise Linear-Linear-Linear

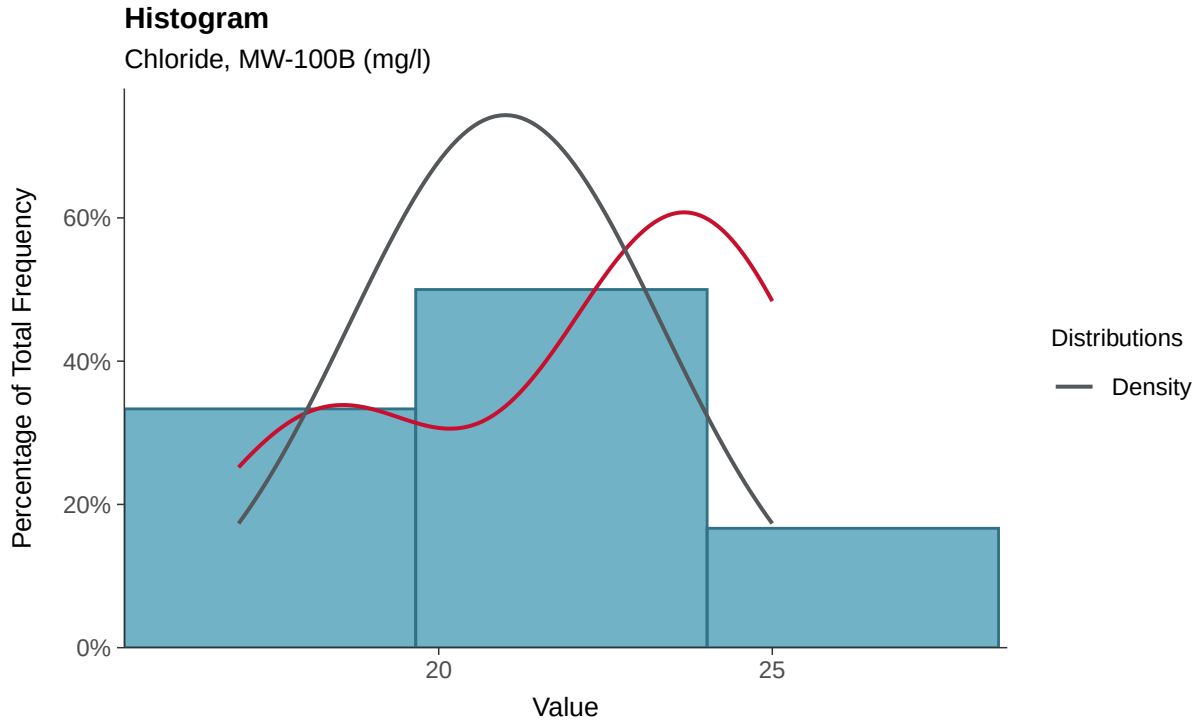
Calcium, MW-100B (mg/l)



Appendix III: Chloride, MW-100B

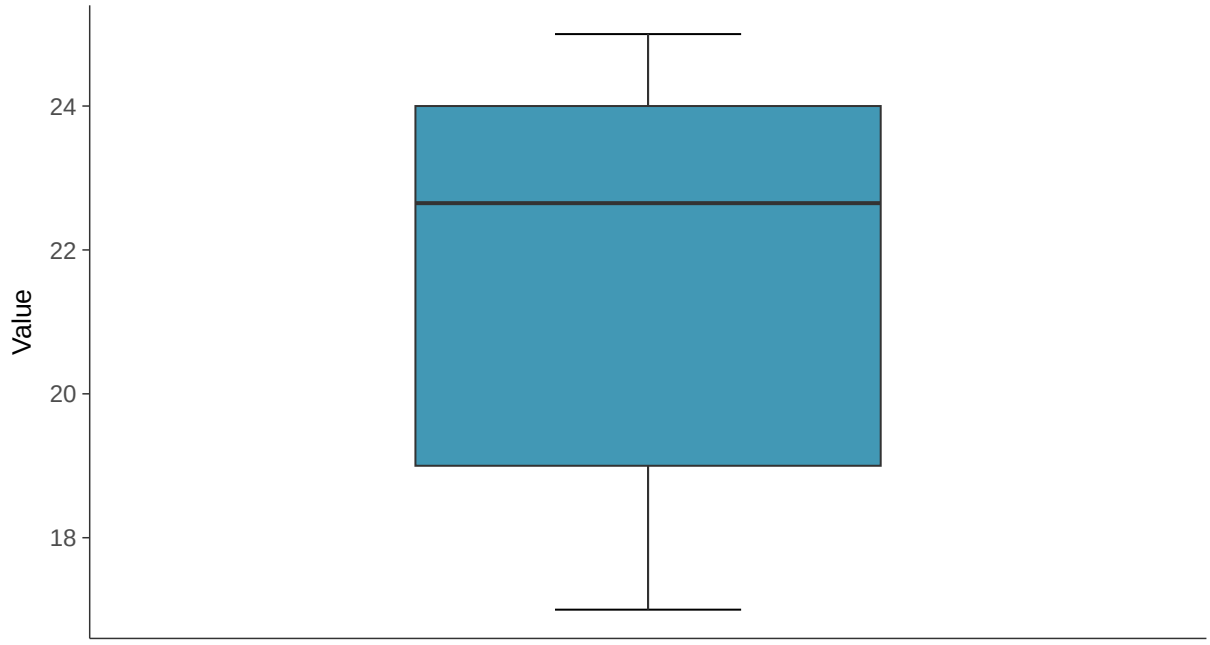
ID: 33_2_108





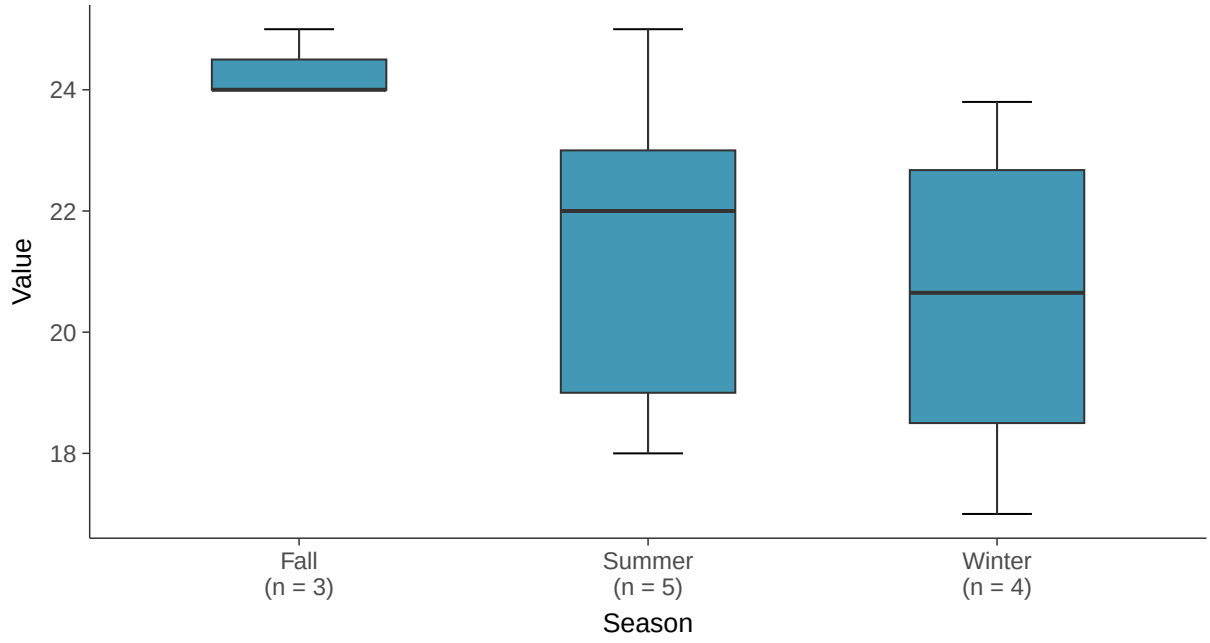
Boxplot

Chloride, MW-100B (mg/l)



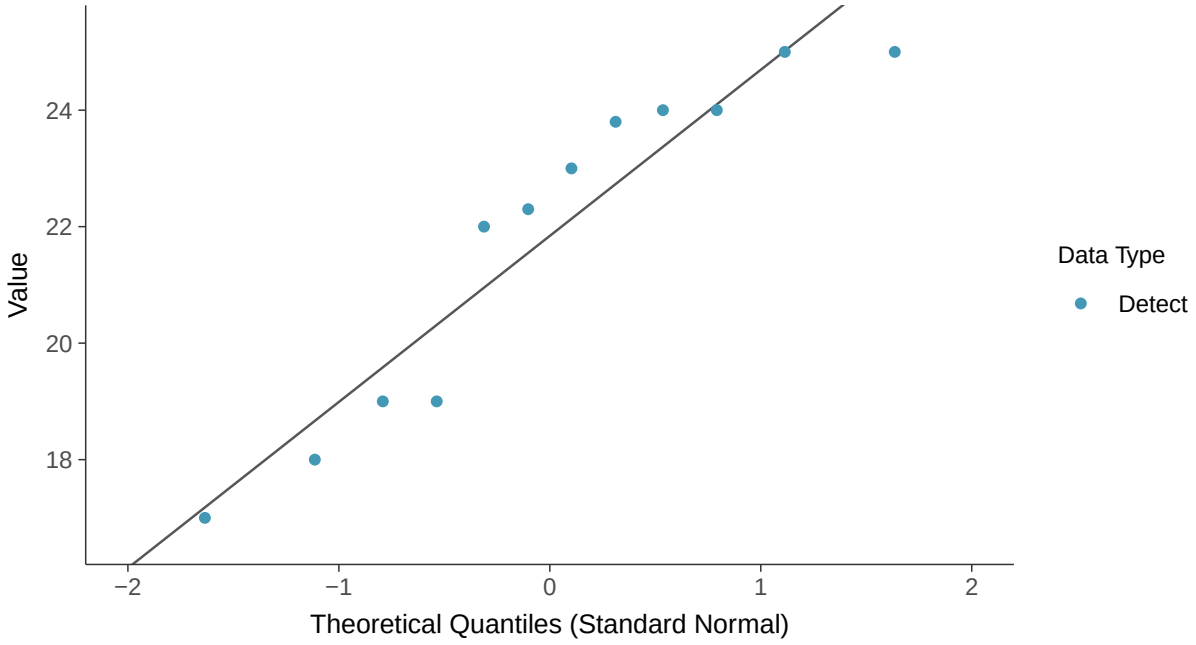
Boxplot by Season

Chloride, MW-100B (mg/l)



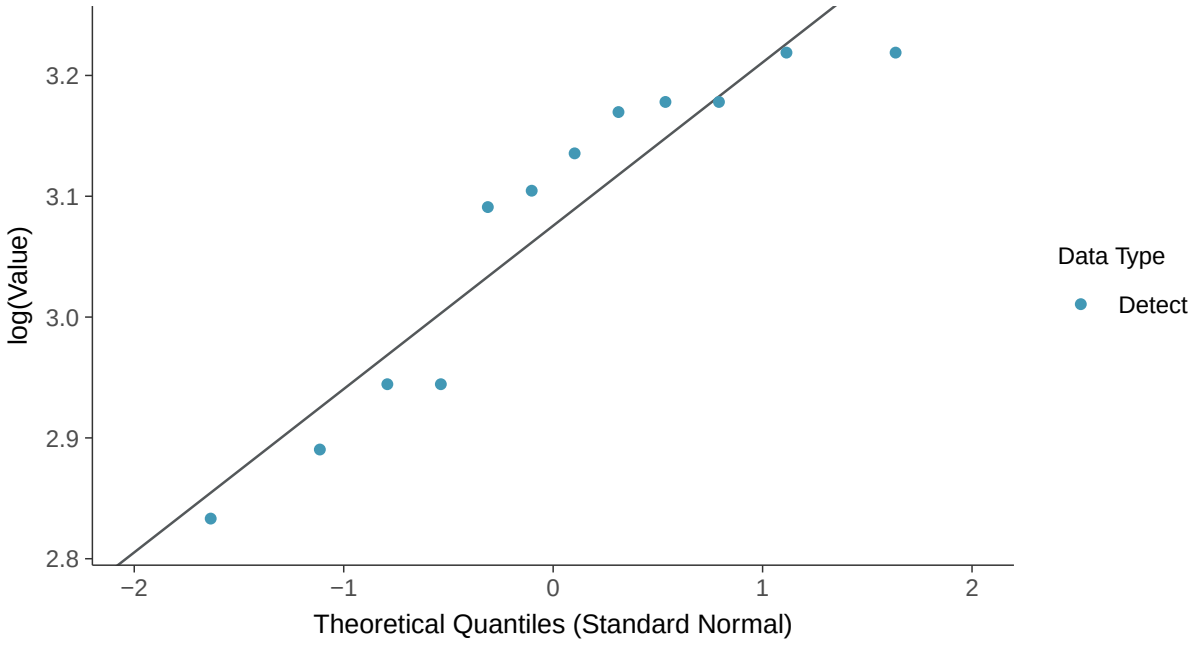
Normal Q-Q plot

Chloride, MW-100B (mg/l)



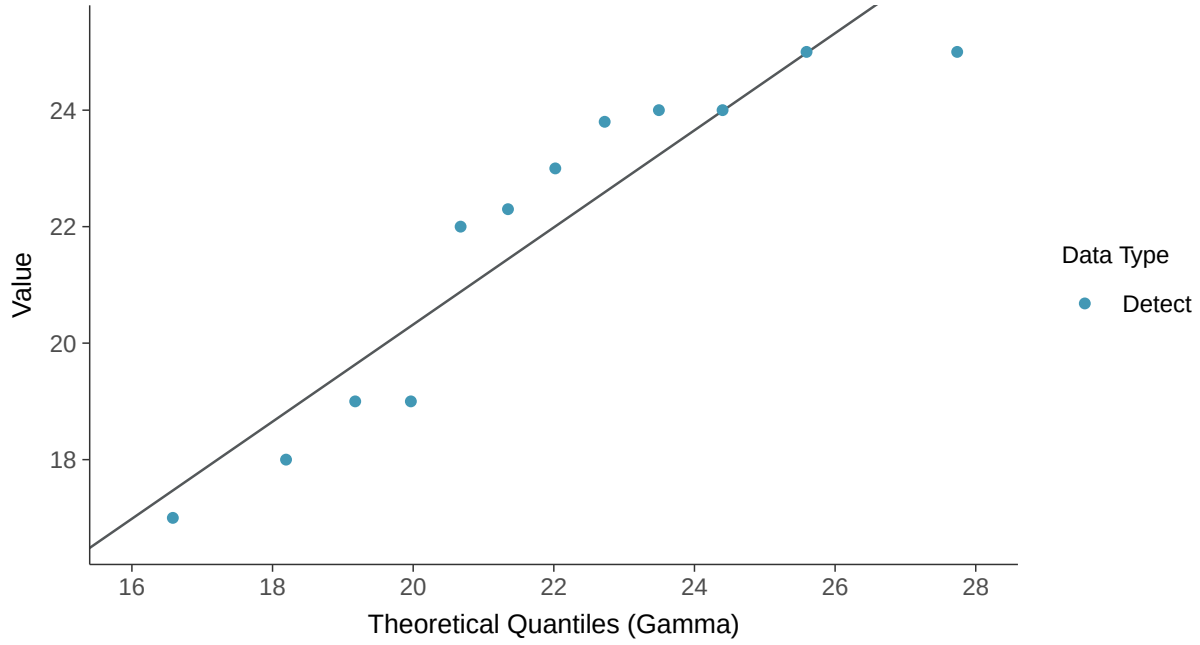
Lognormal Q-Q plot

Chloride, MW-100B (mg/l)



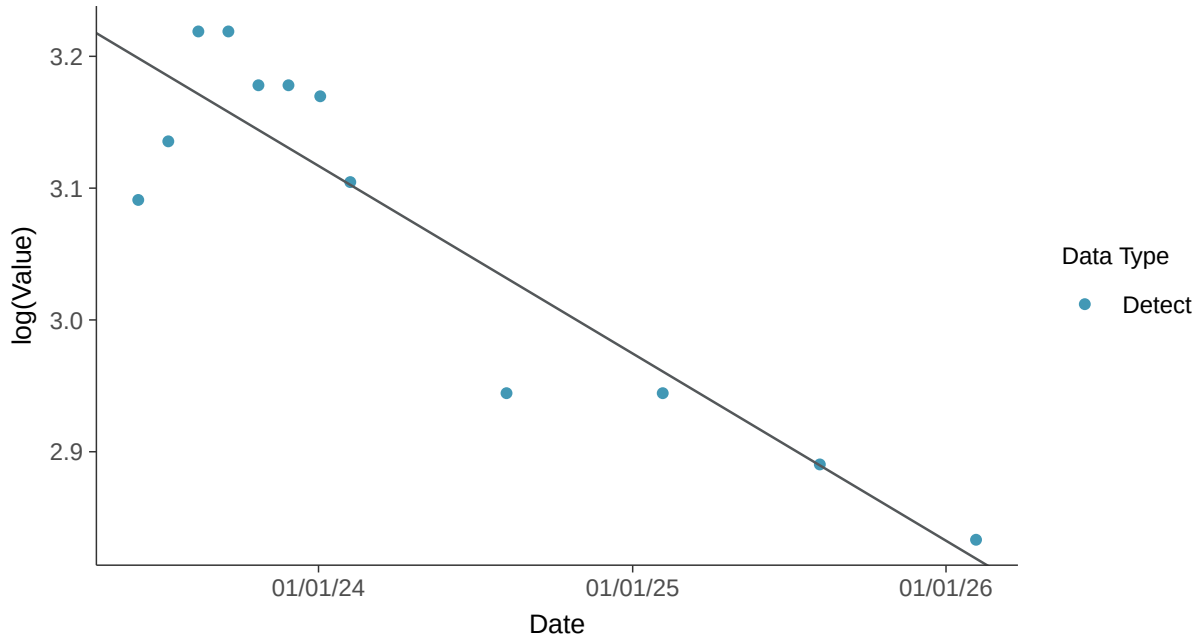
Gamma Q-Q plot

Chloride, MW-100B (mg/l)



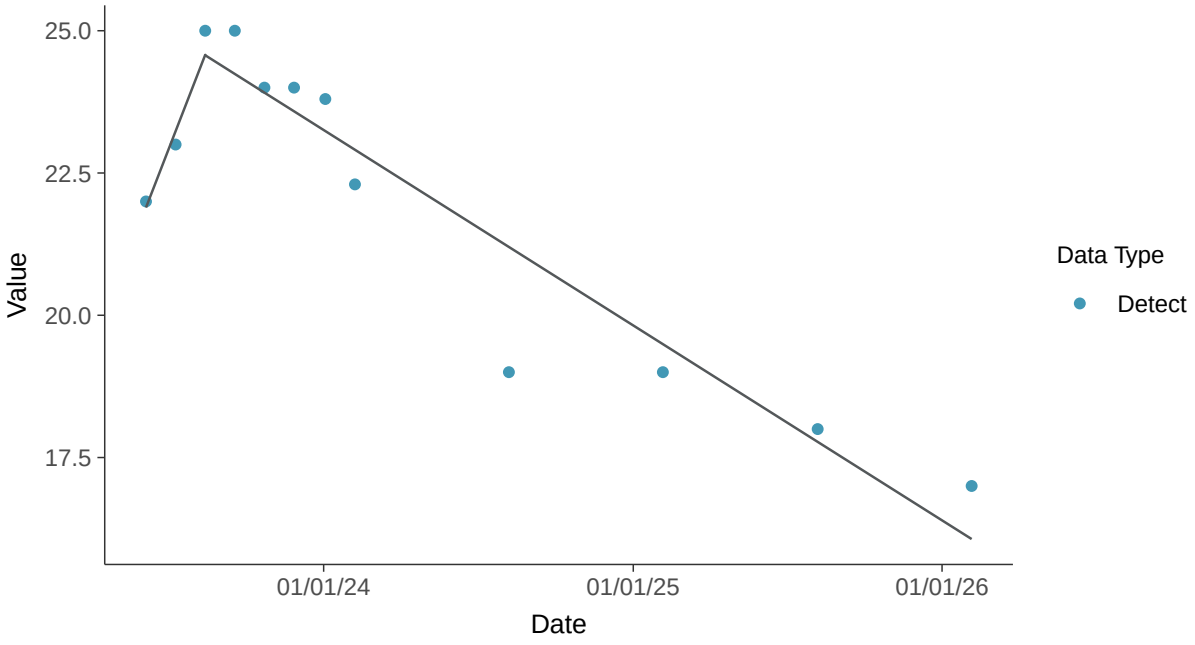
Trend Regression: Lognormal MLE

Chloride, MW-100B (mg/l)



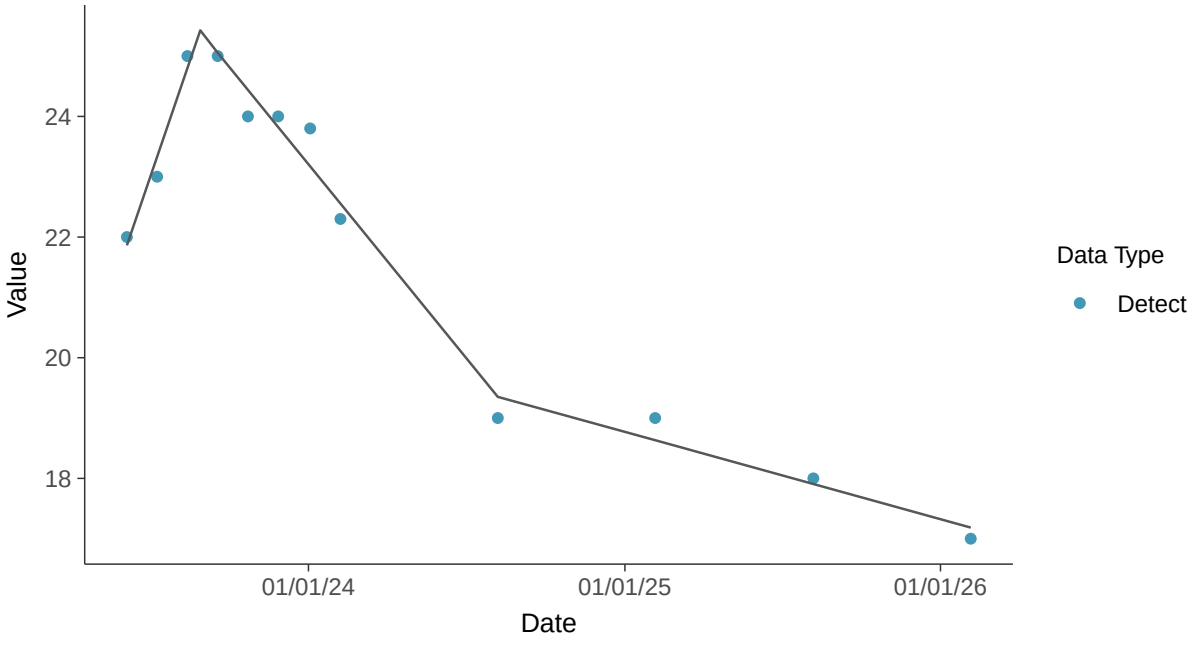
Trend Regression: Piecewise Linear-Linear

Chloride, MW-100B (mg/l)



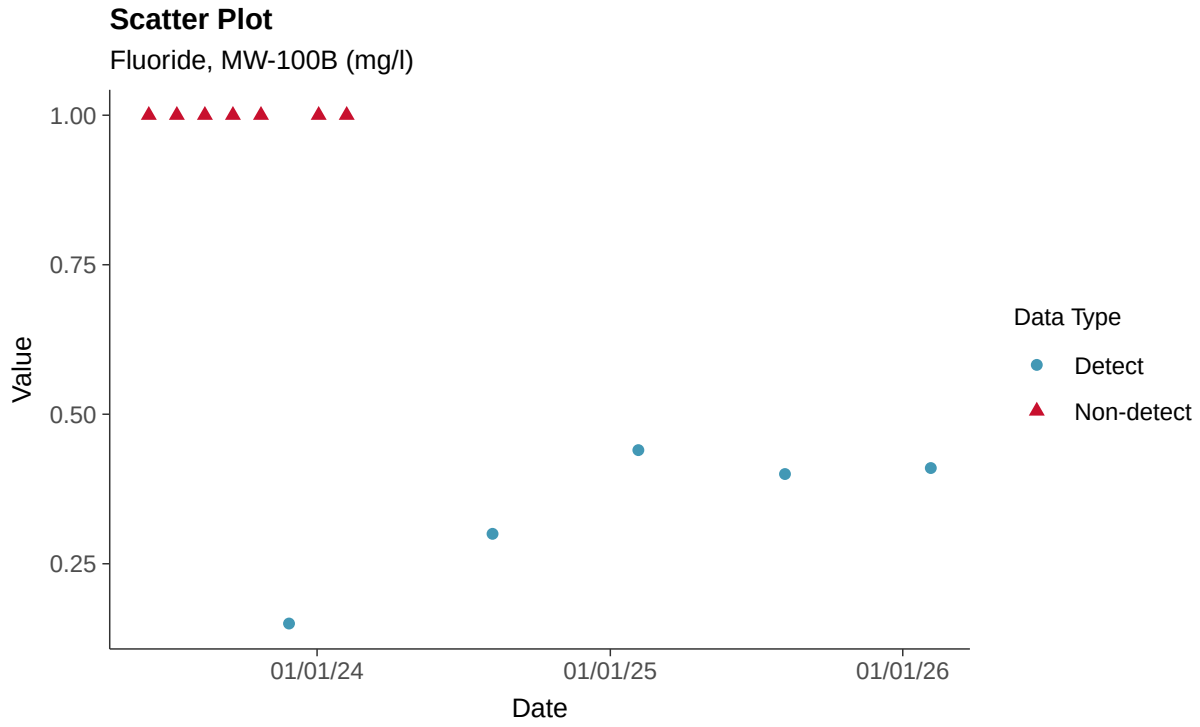
Trend Regression: Piecewise Linear-Linear-Linear

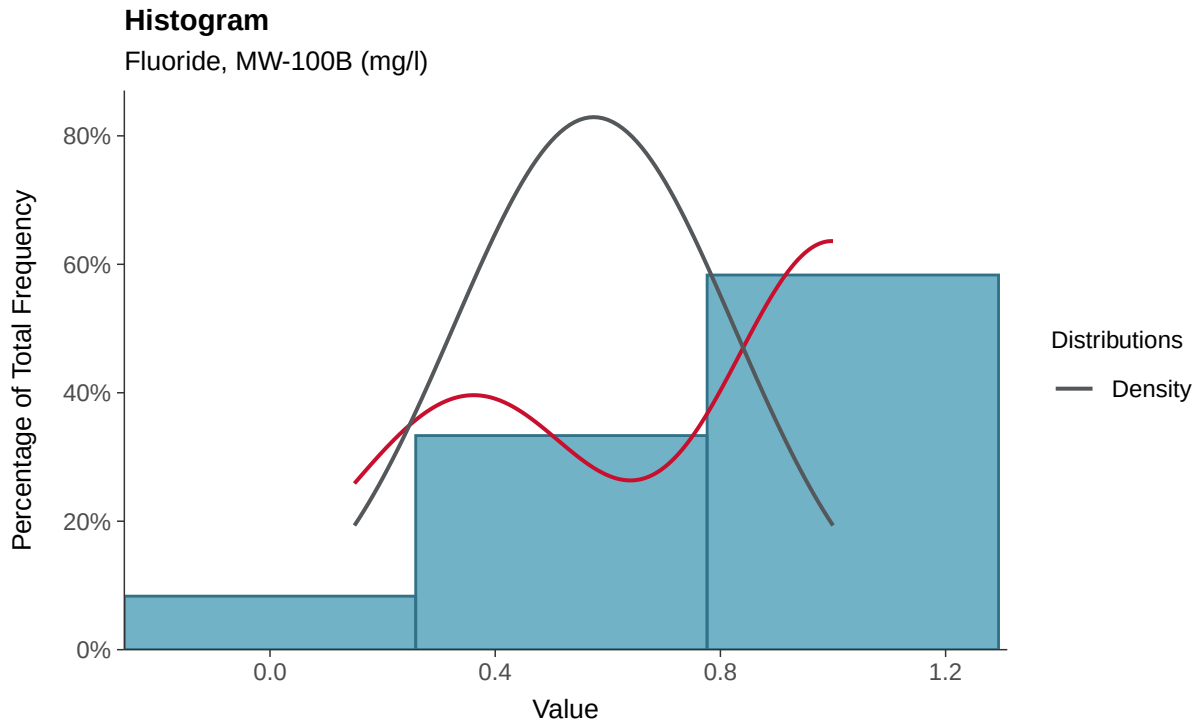
Chloride, MW-100B (mg/l)



Appendix III: Fluoride, MW-100B

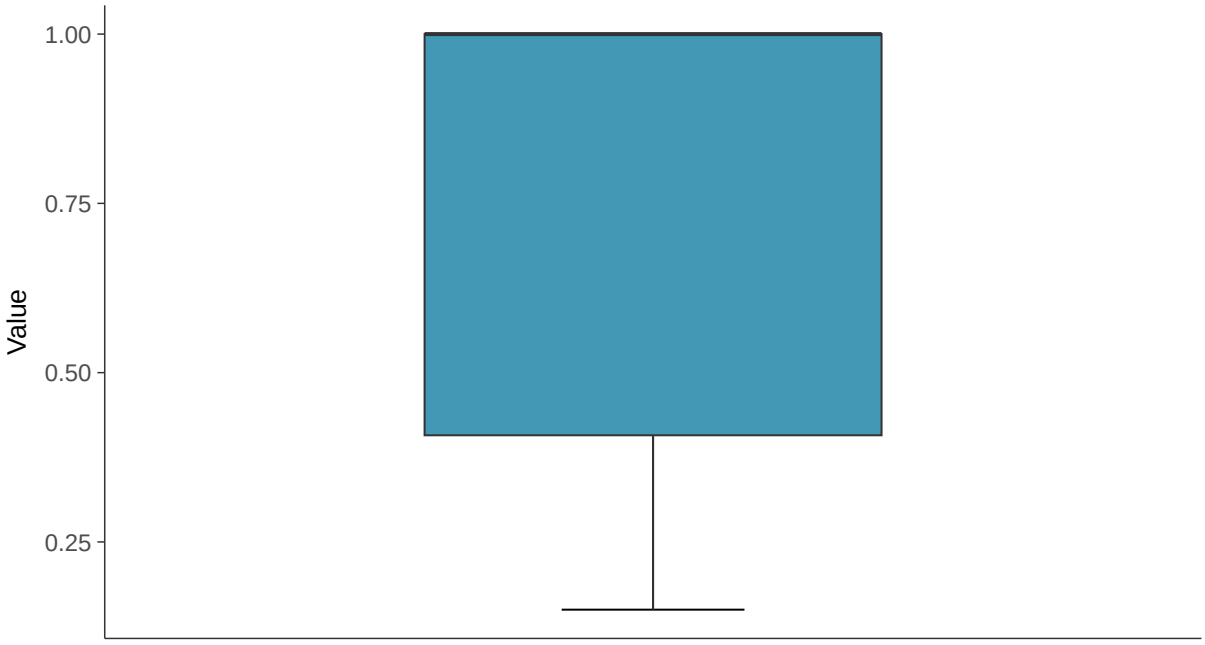
ID: 33_2_112





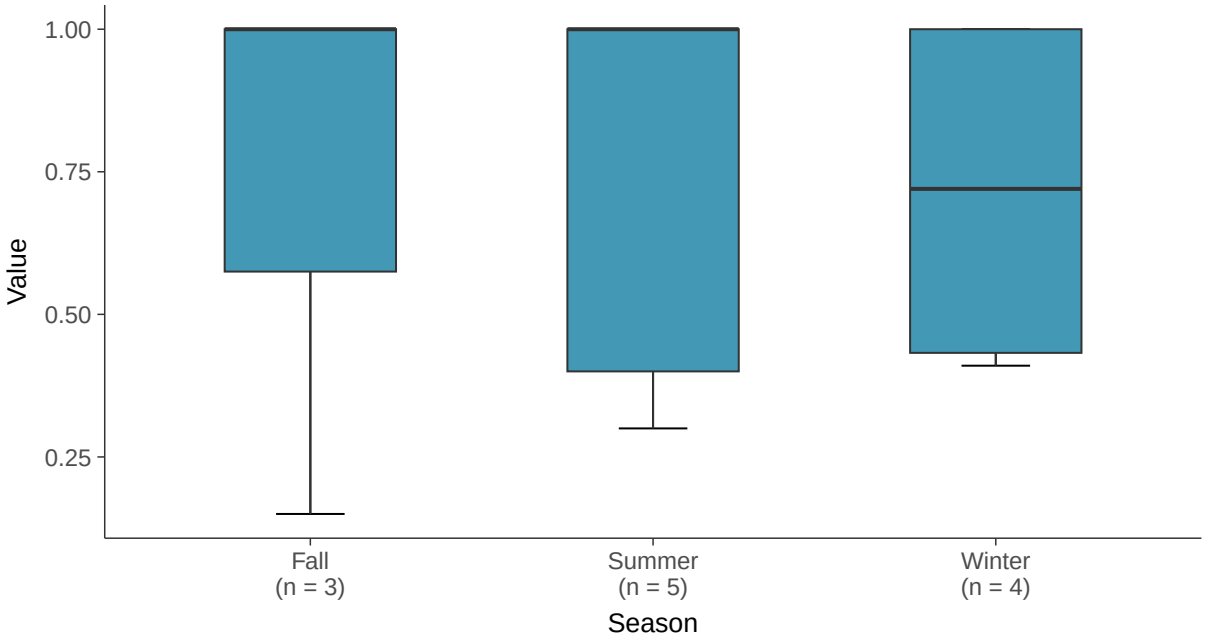
Boxplot

Fluoride, MW-100B (mg/l)



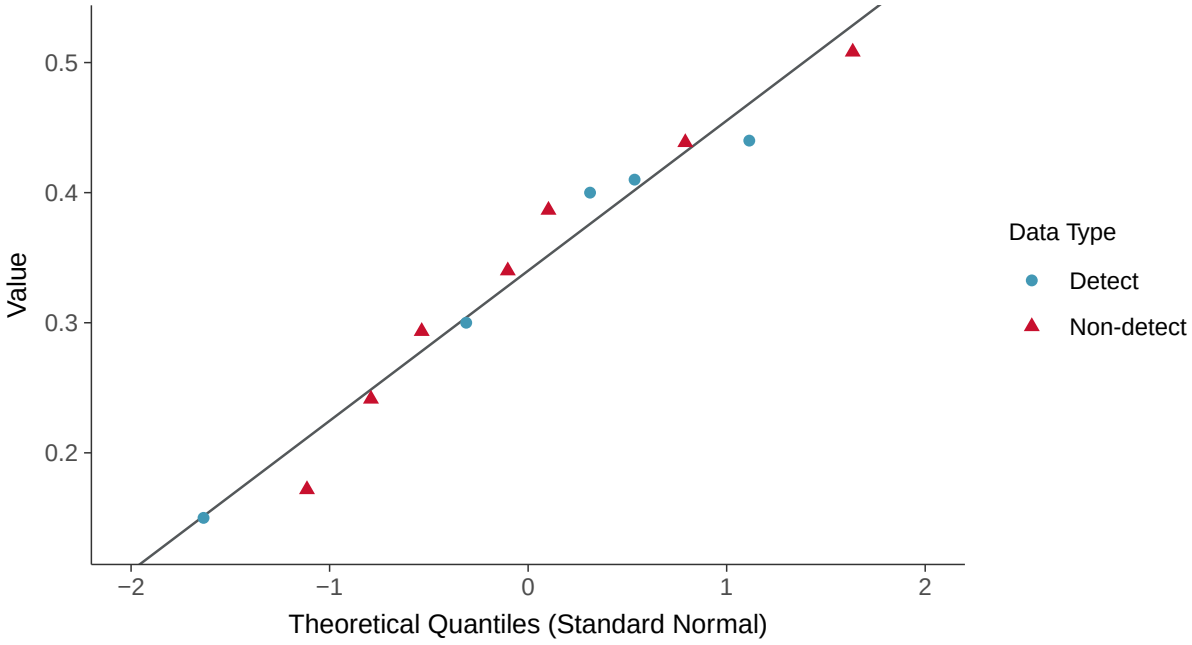
Boxplot by Season

Fluoride, MW-100B (mg/l)



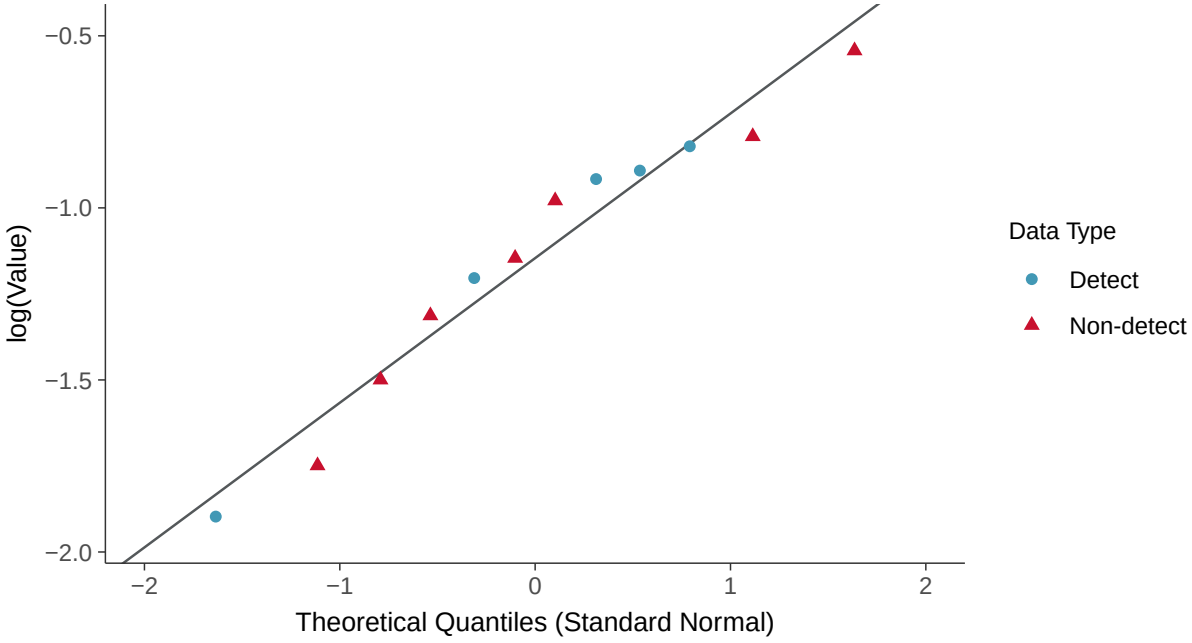
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-100B (mg/l)



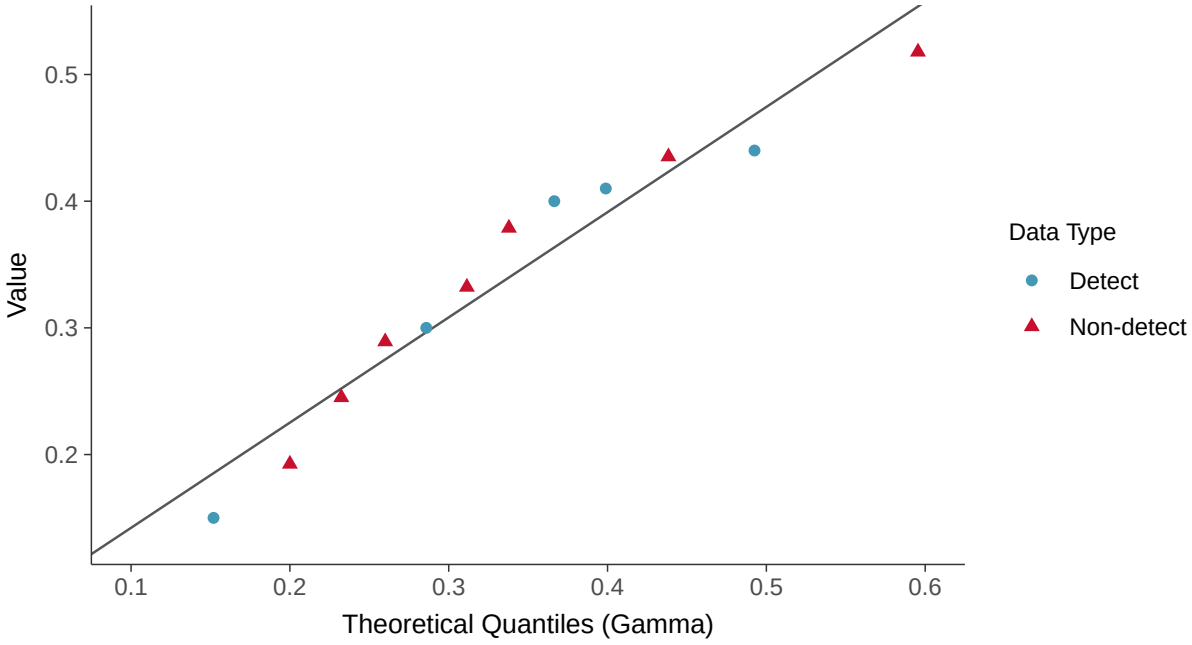
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-100B (mg/l)



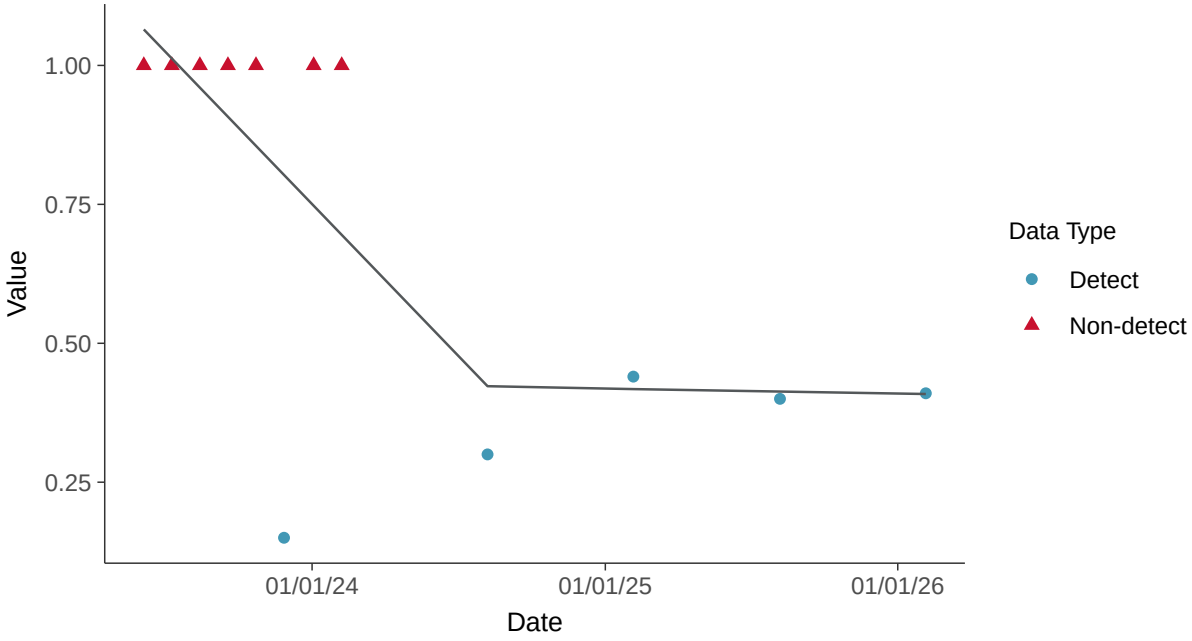
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride, MW-100B (mg/l)



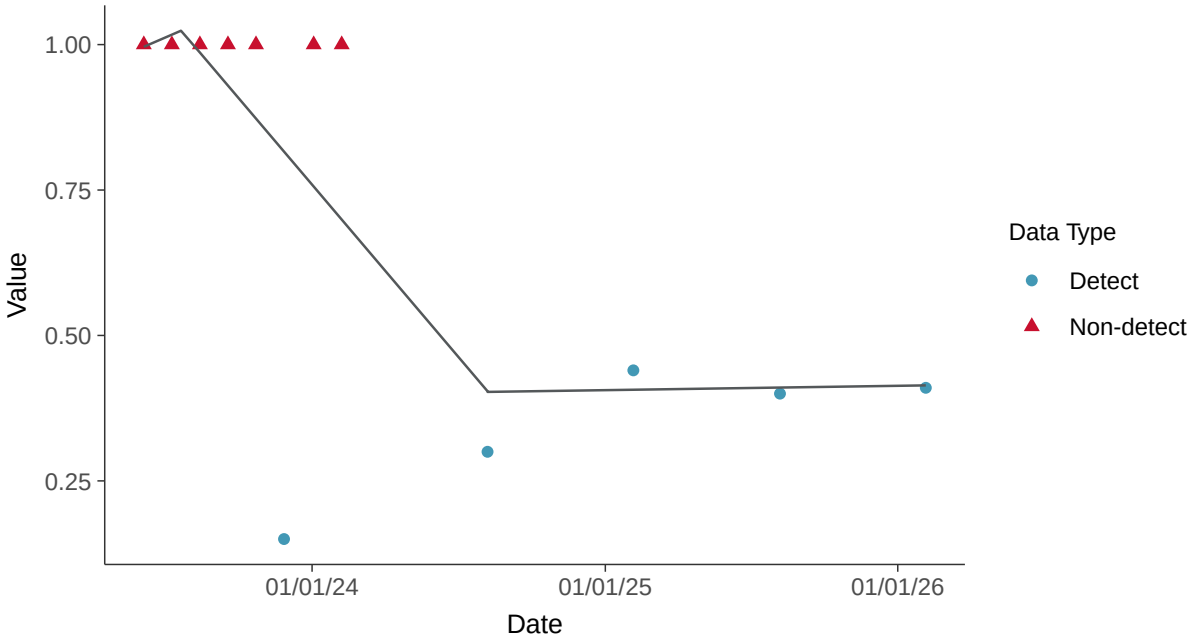
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-100B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Fluoride, MW-100B (mg/l)

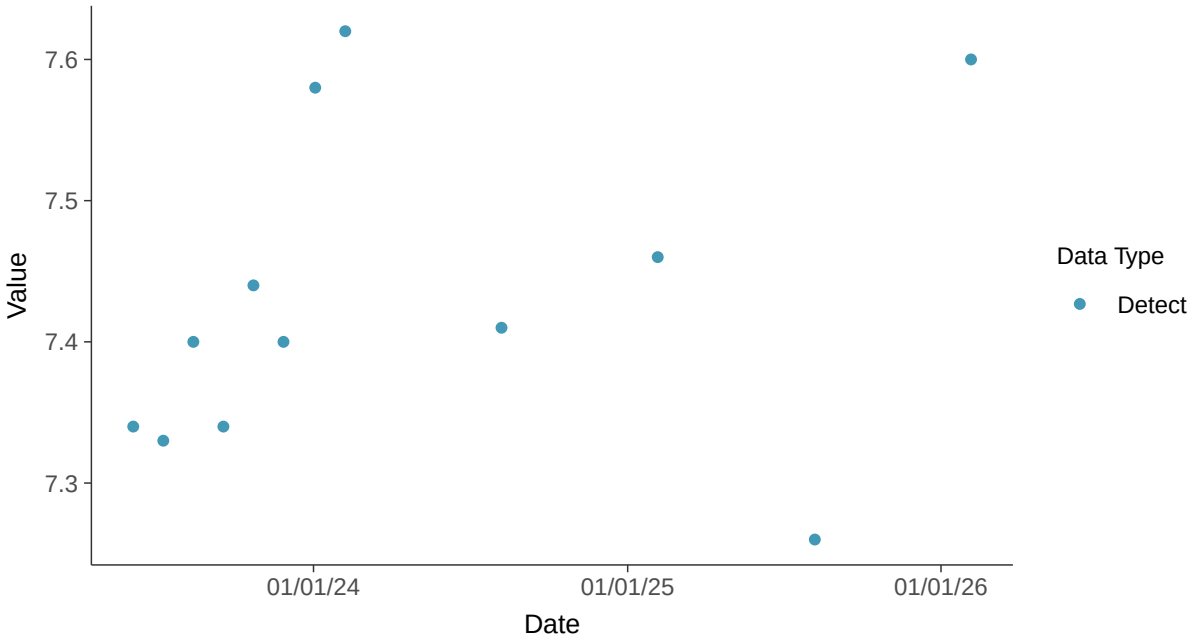


Appendix III: pH, Field, MW-100B

ID: 33_2_120

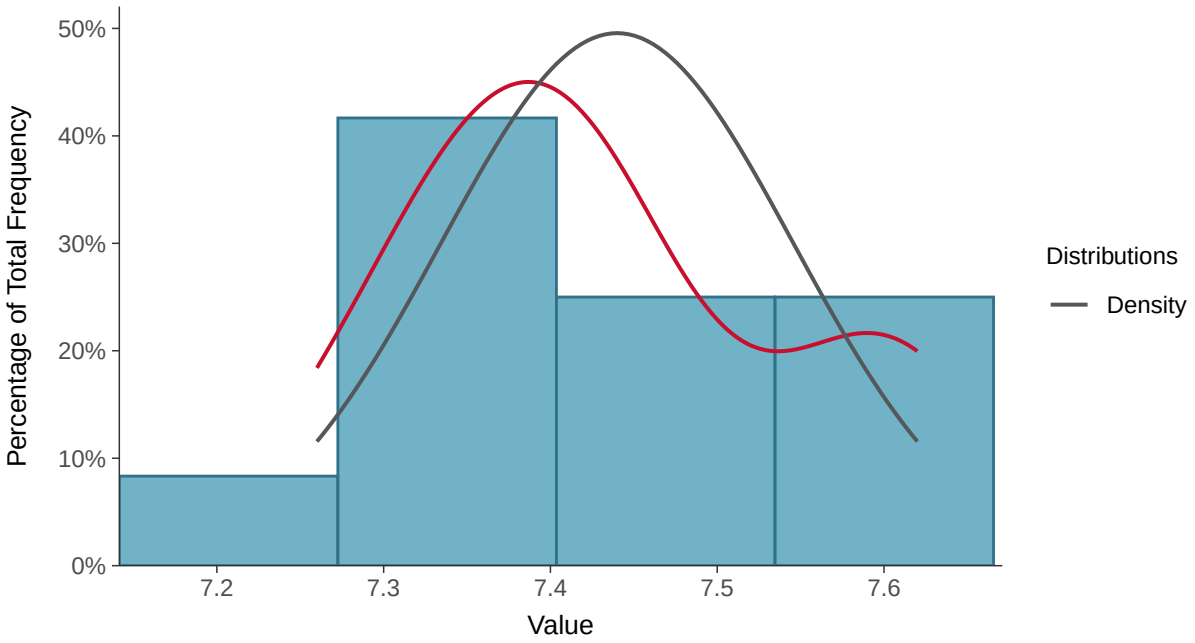
Scatter Plot

pH, Field, MW-100B (su)



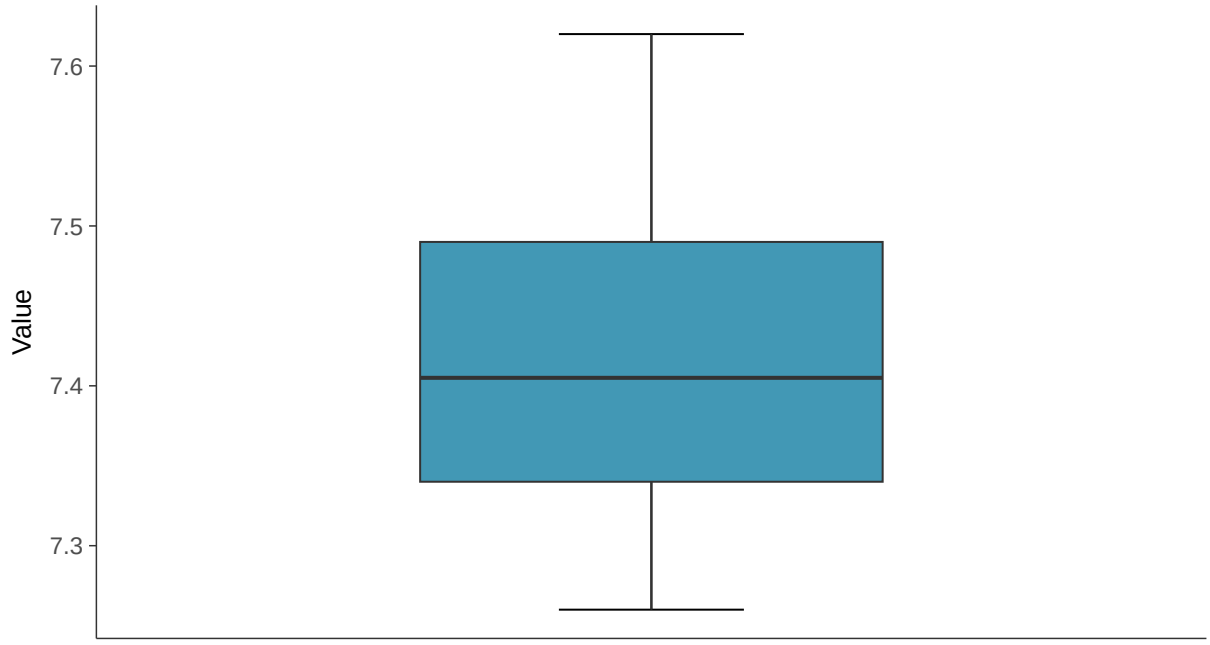
Histogram

pH, Field, MW-100B (su)



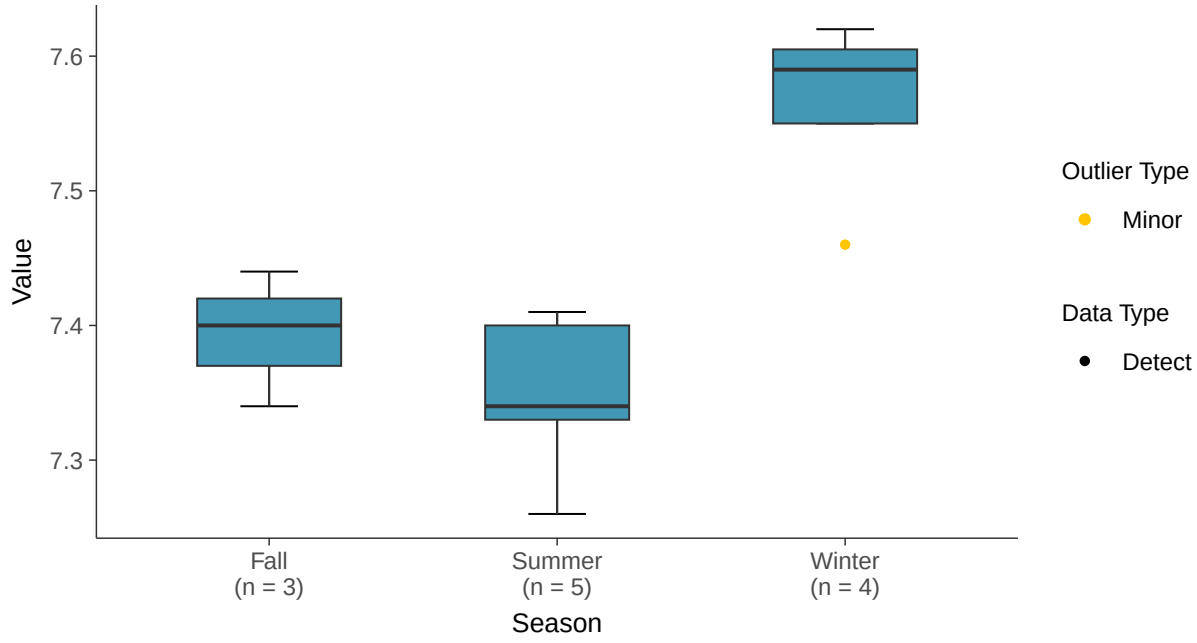
Boxplot

pH, Field, MW-100B (su)



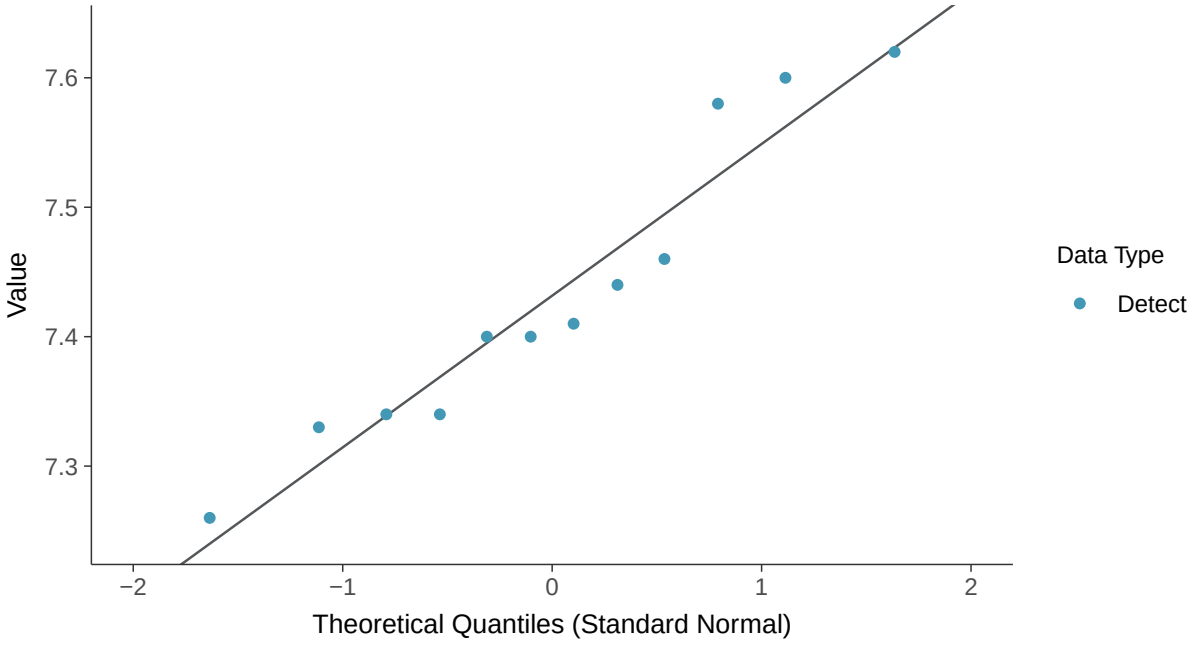
Boxplot by Season

pH, Field, MW-100B (su)



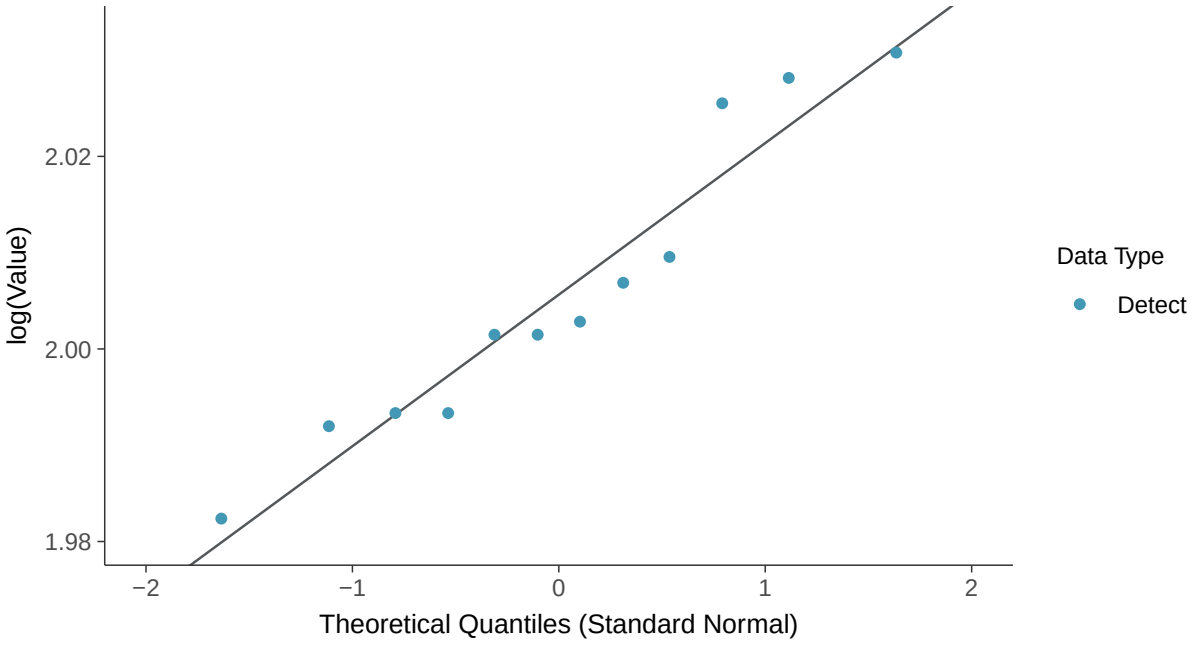
Normal Q-Q plot

pH, Field, MW-100B (su)



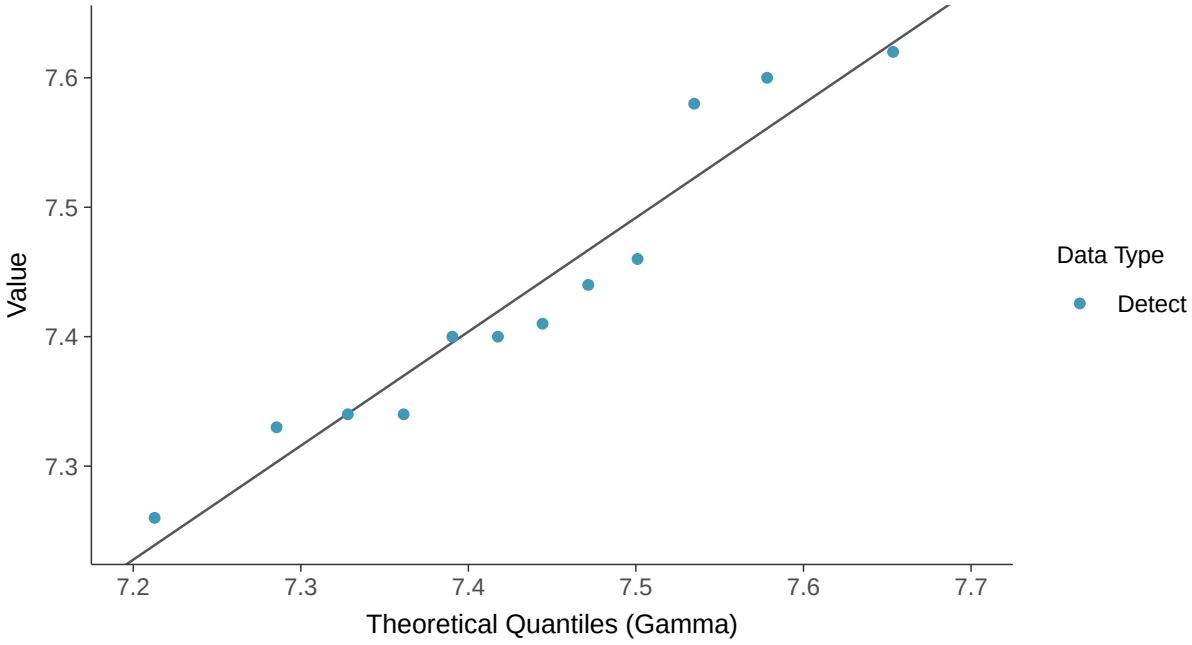
Lognormal Q-Q plot

pH, Field, MW-100B (su)



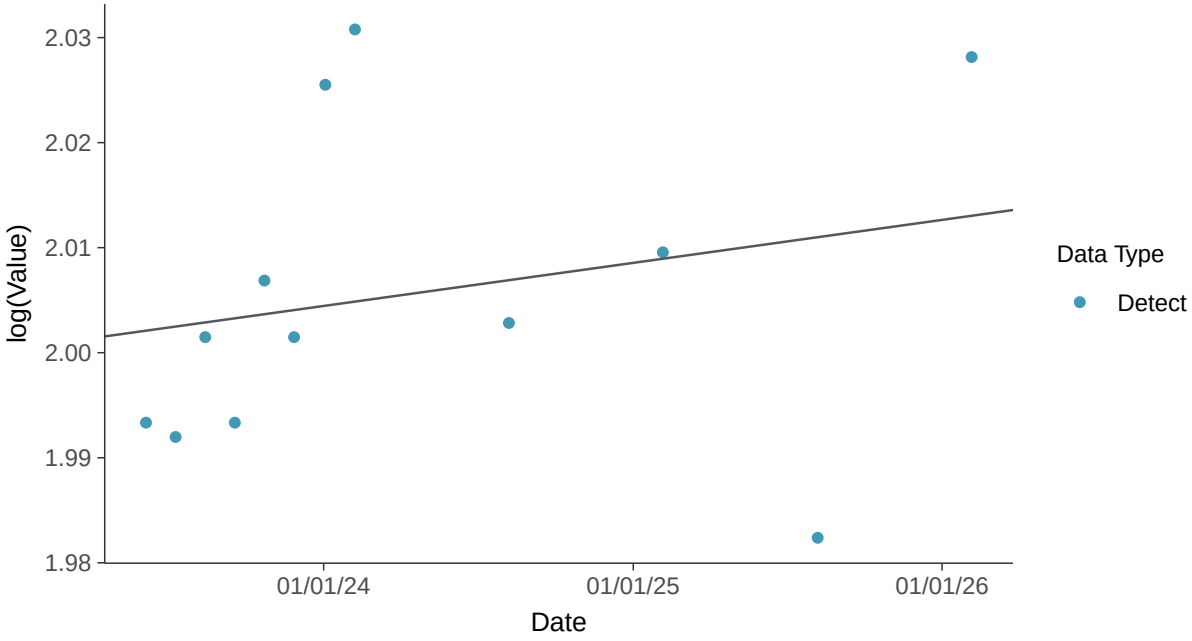
Gamma Q-Q plot

pH, Field, MW-100B (su)



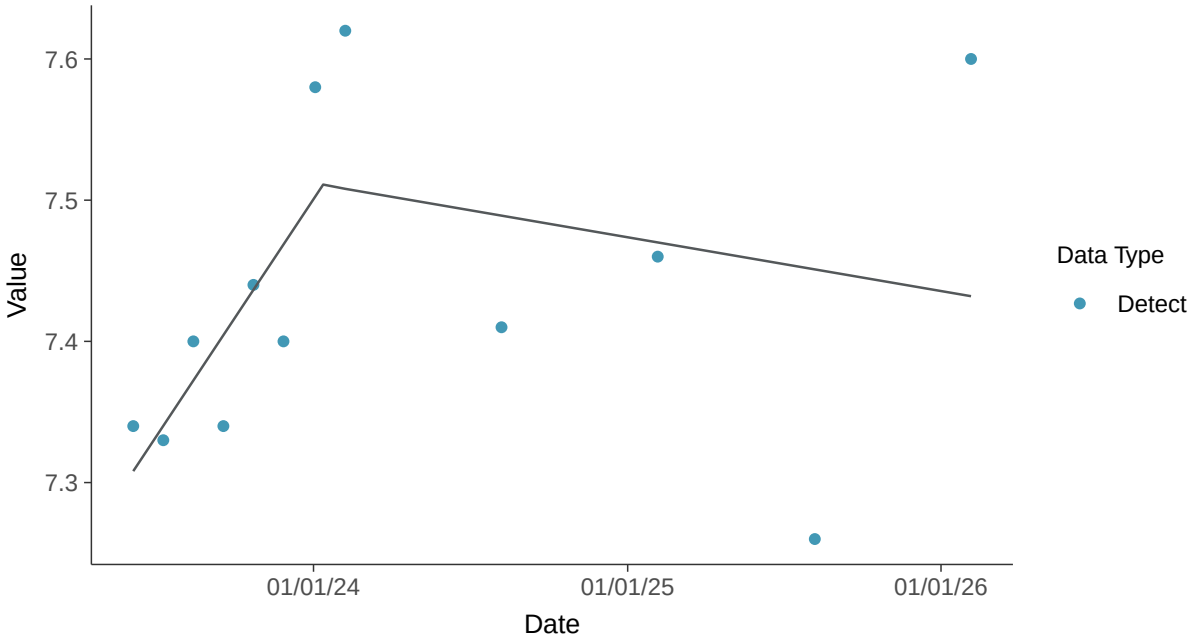
Trend Regression: Lognormal MLE

pH, Field, MW-100B (su)



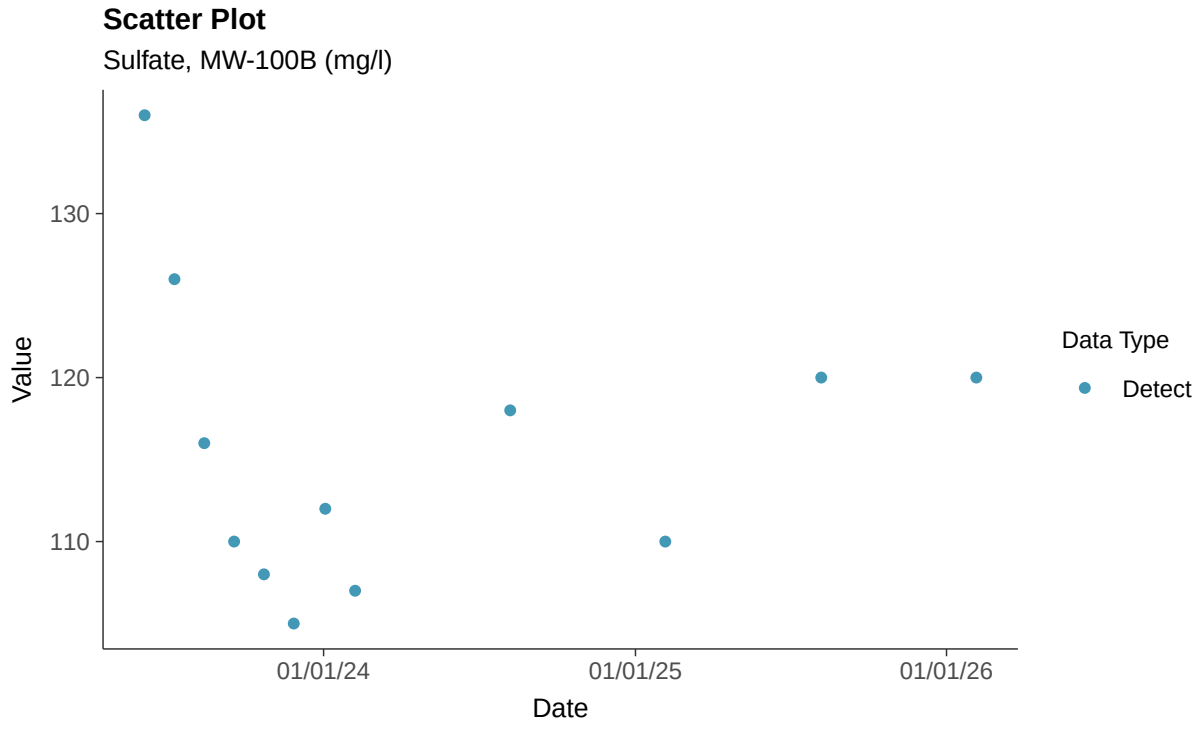
Trend Regression: Piecewise Linear-Linear

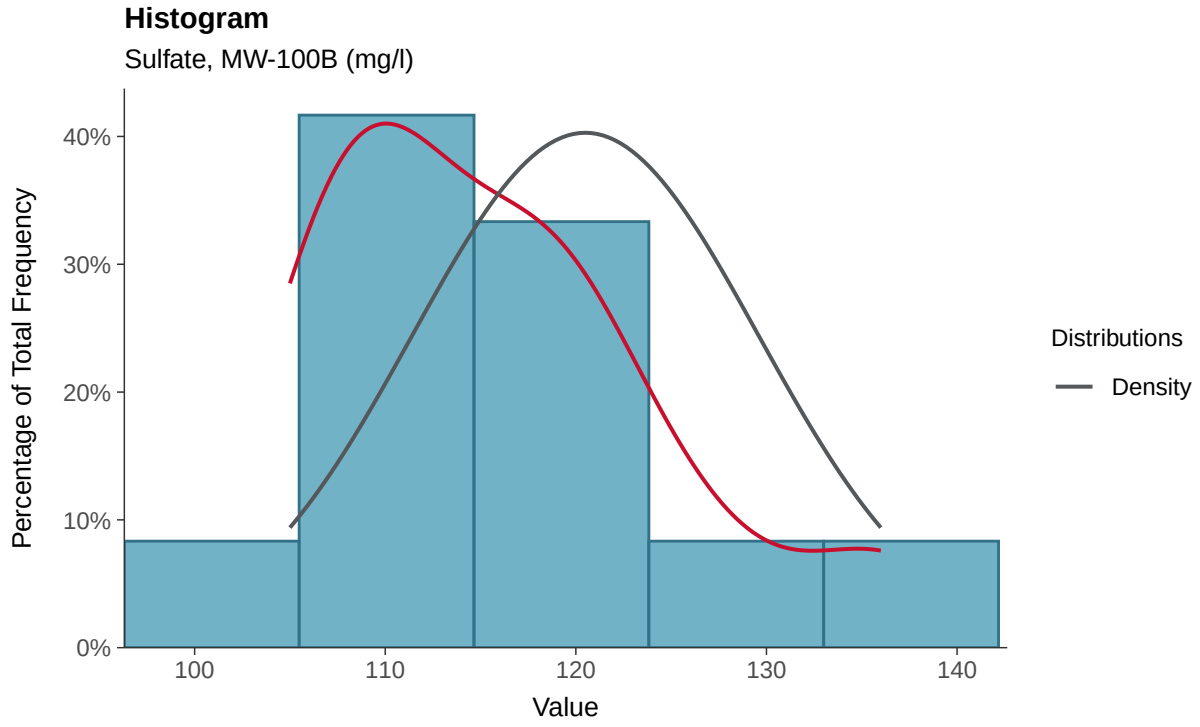
pH, Field, MW-100B (su)



Appendix III: Sulfate, MW-100B

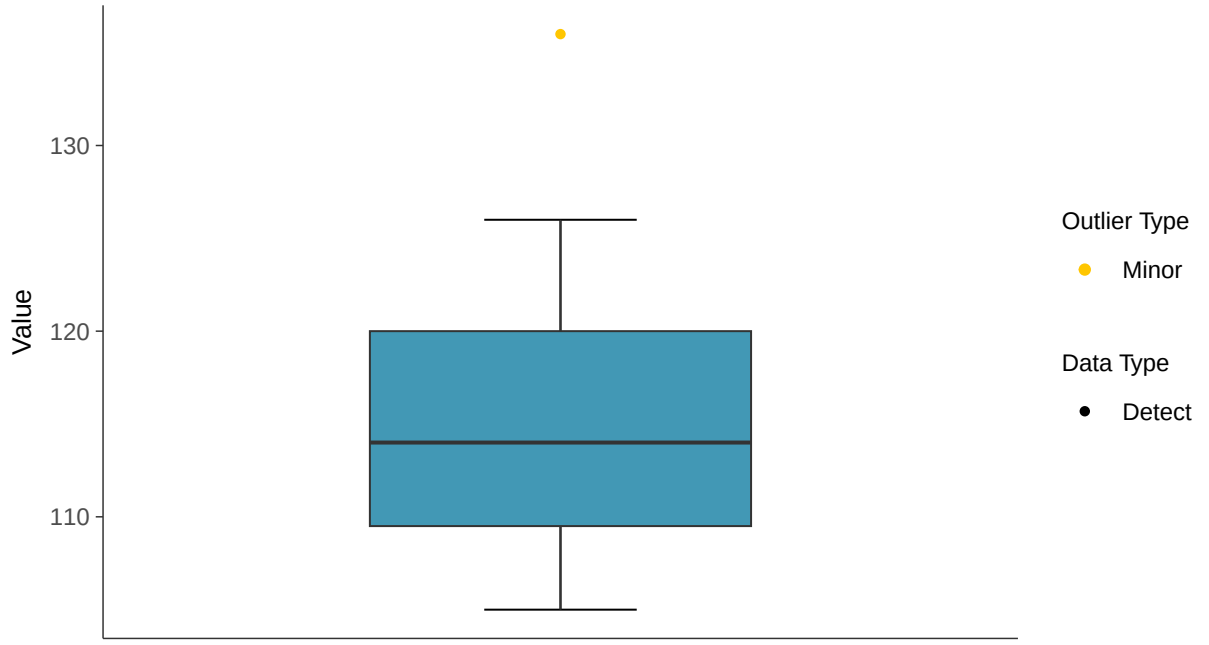
ID: 33_2_124





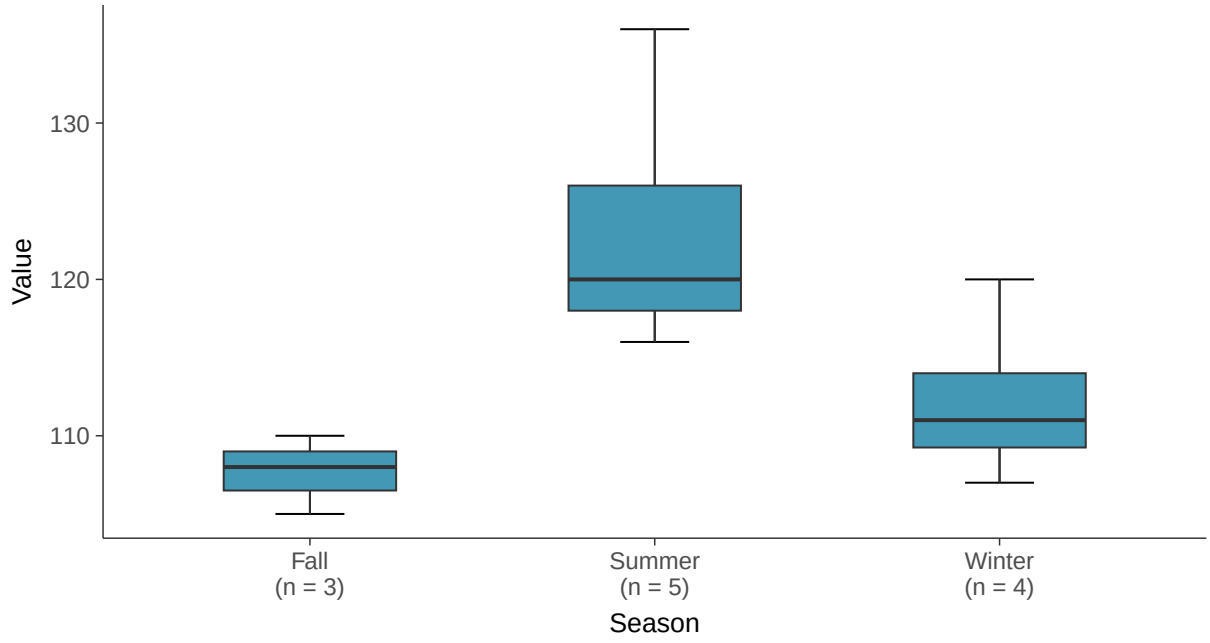
Boxplot

Sulfate, MW-100B (mg/l)



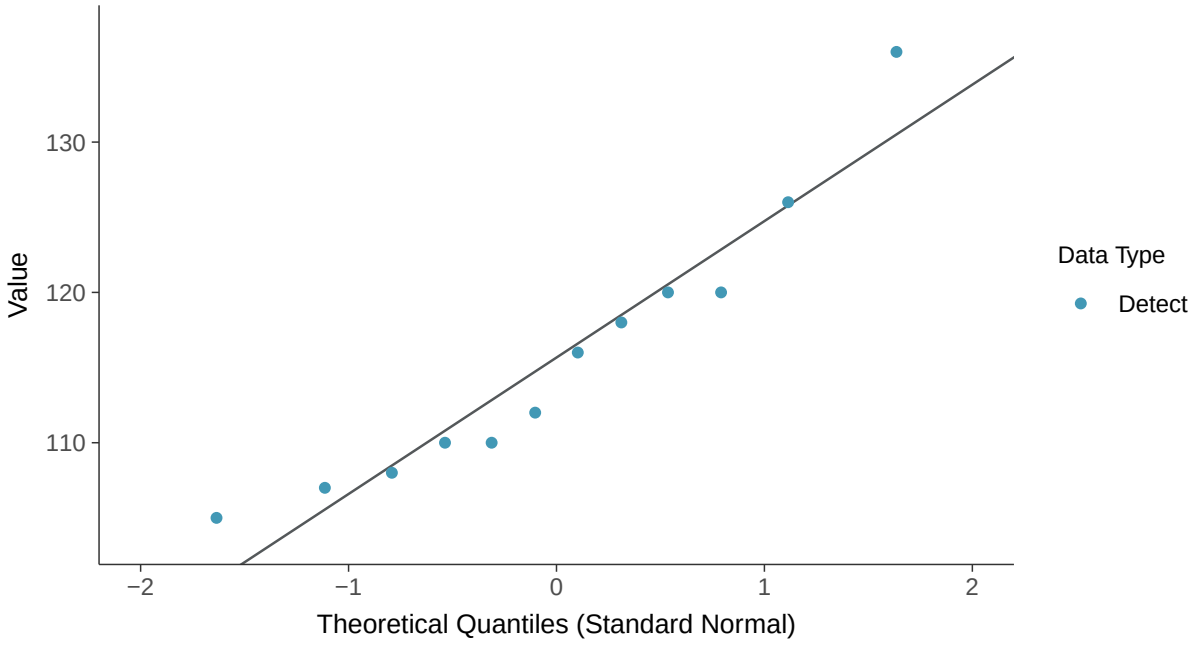
Boxplot by Season

Sulfate, MW-100B (mg/l)



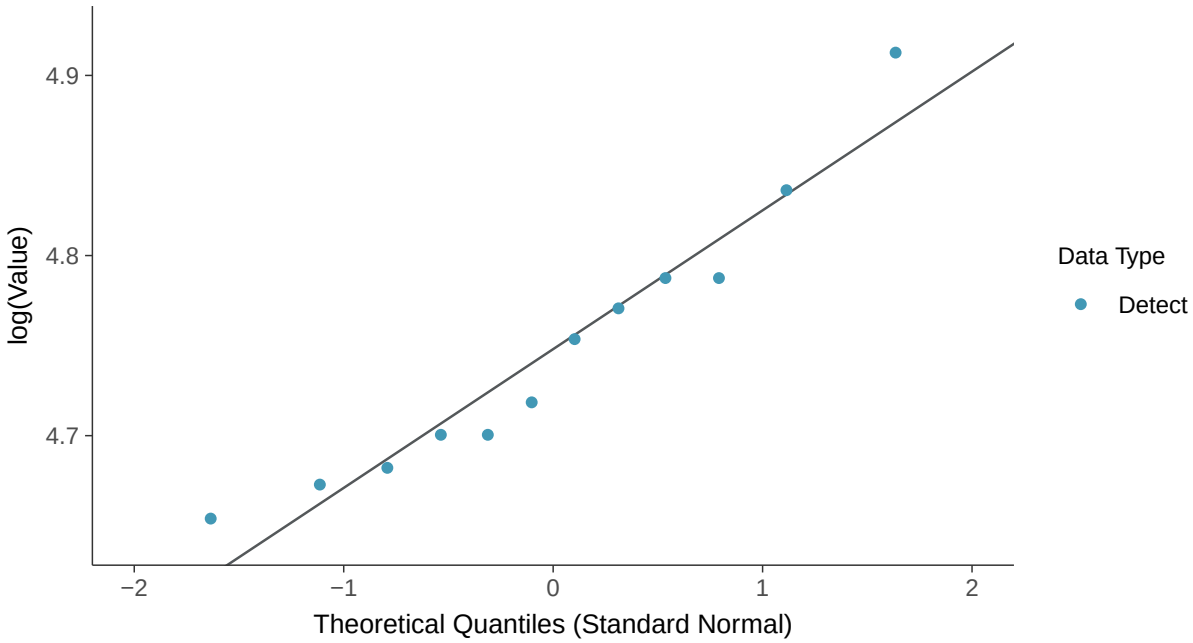
Normal Q-Q plot

Sulfate, MW-100B (mg/l)



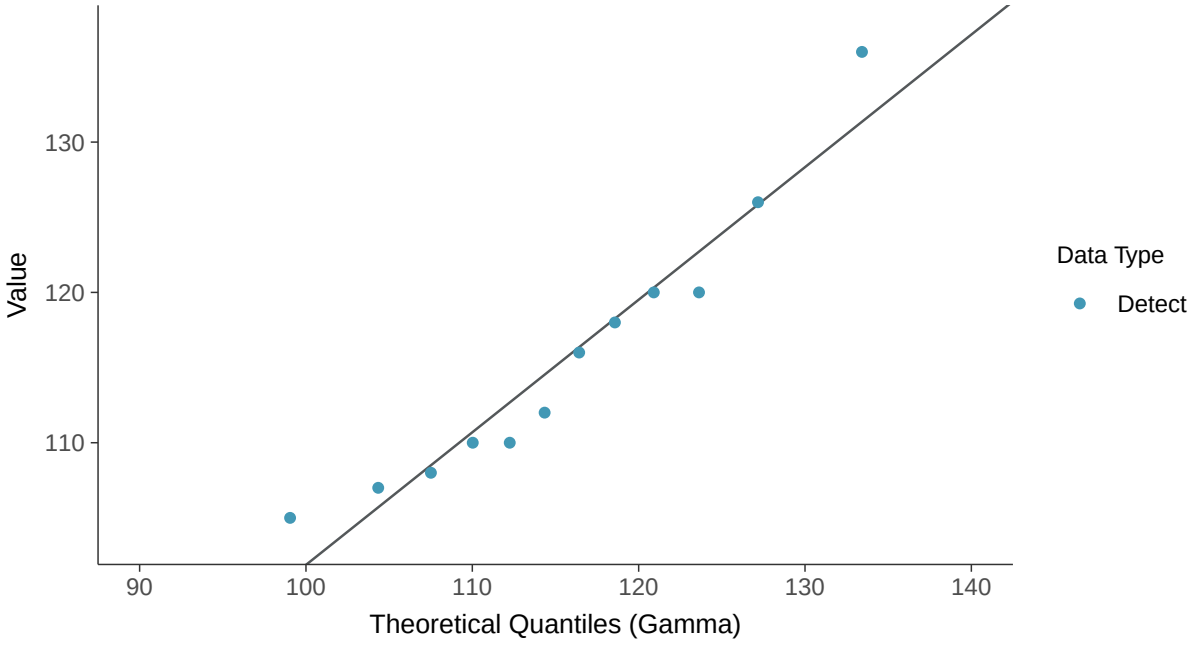
Lognormal Q-Q plot

Sulfate, MW-100B (mg/l)



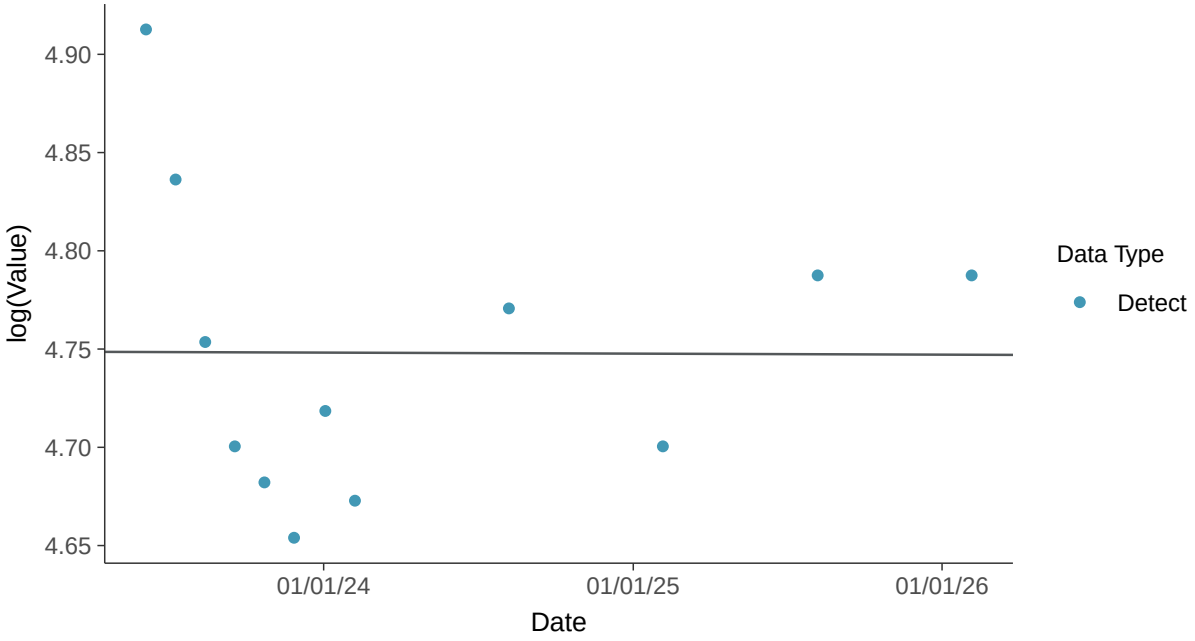
Gamma Q-Q plot

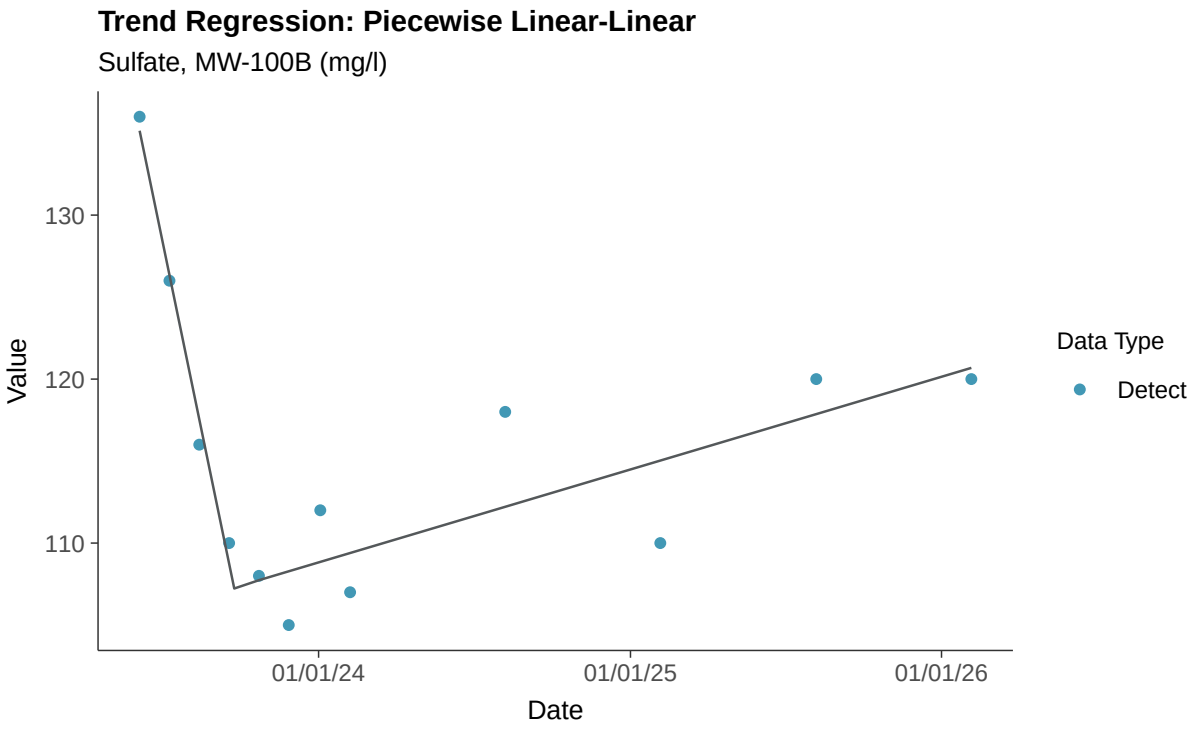
Sulfate, MW-100B (mg/l)



Trend Regression: Lognormal MLE

Sulfate, MW-100B (mg/l)



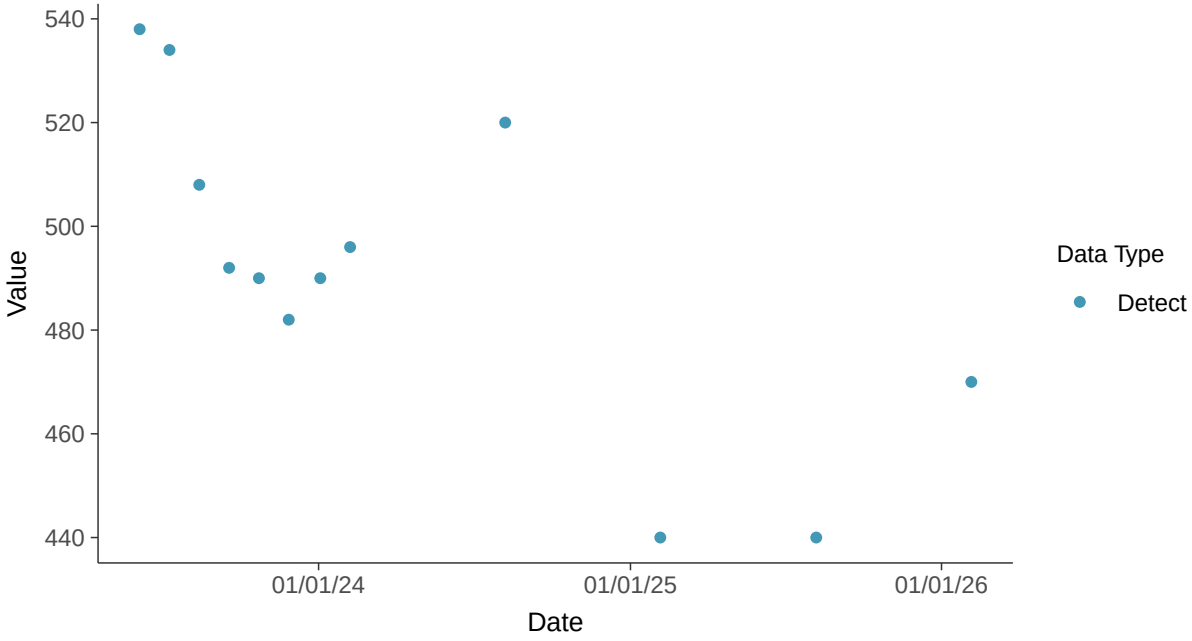

Trend Regression: Piecewise Linear-Linear
Sulfate, MW-100B (mg/l)
Value
130
120
110
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Total Dissolved Solids, MW-100B

ID: 33_2_126

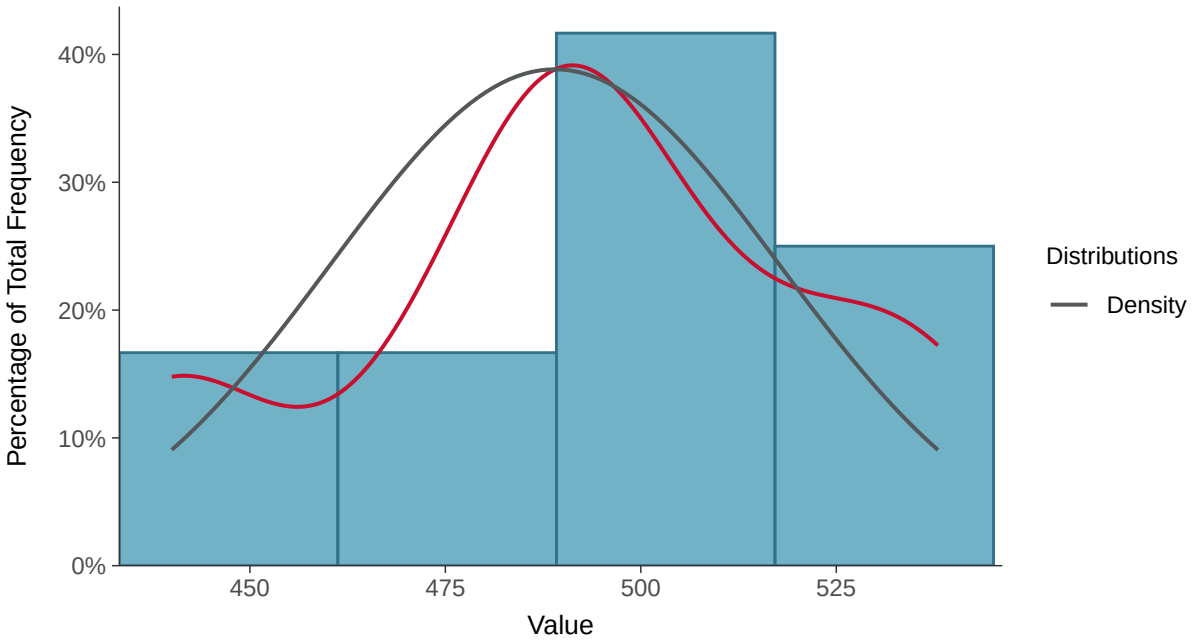
Scatter Plot

Total Dissolved Solids, MW-100B (mg/l)



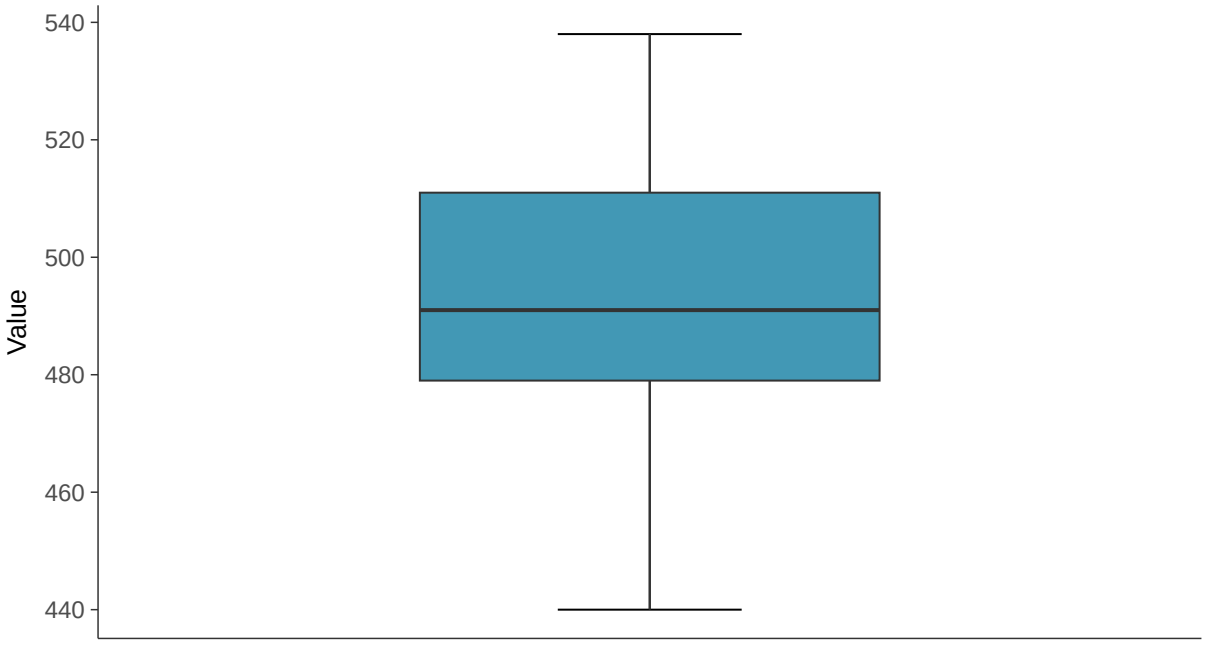
Histogram

Total Dissolved Solids, MW-100B (mg/l)



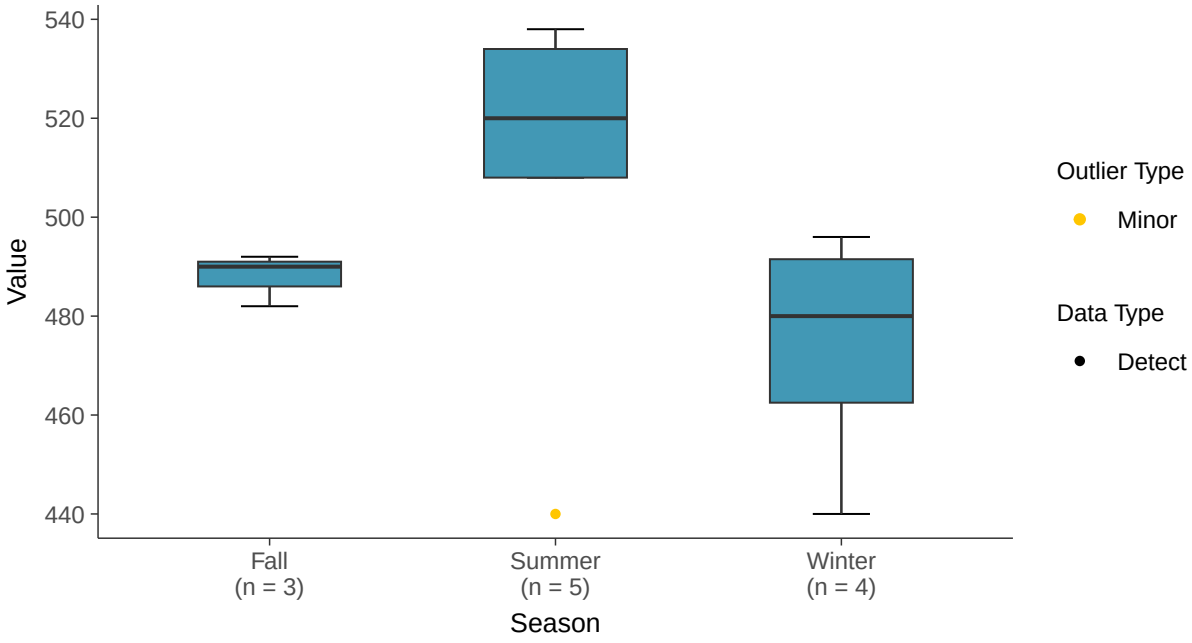
Boxplot

Total Dissolved Solids, MW-100B (mg/l)



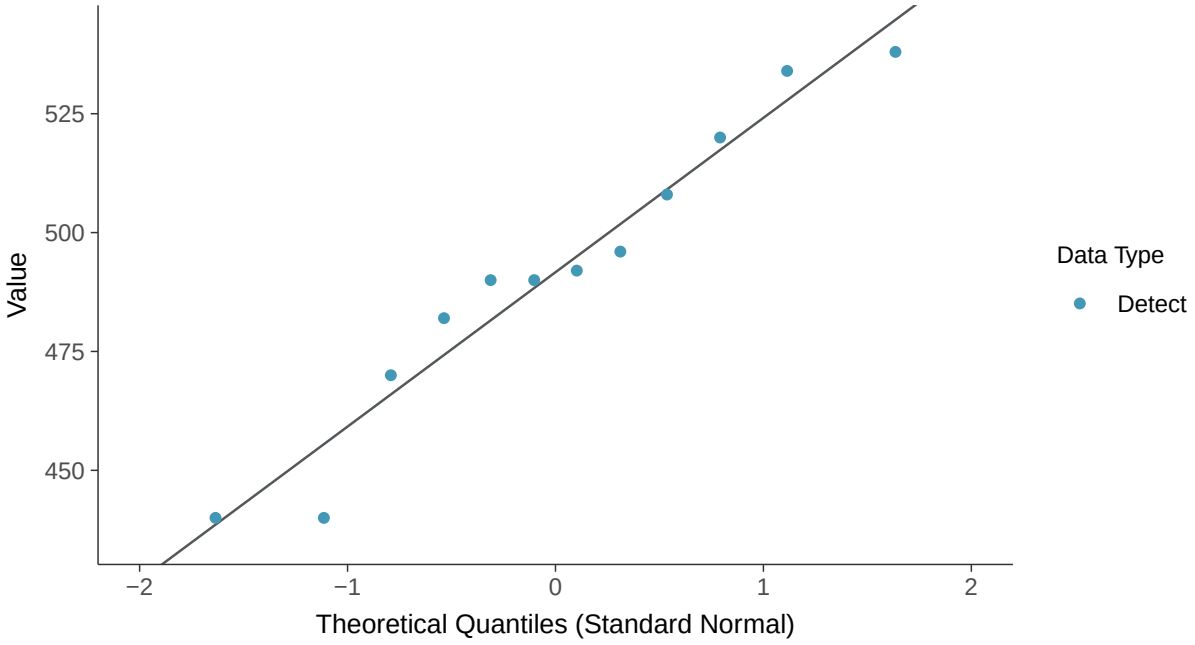
Boxplot by Season

Total Dissolved Solids, MW-100B (mg/l)



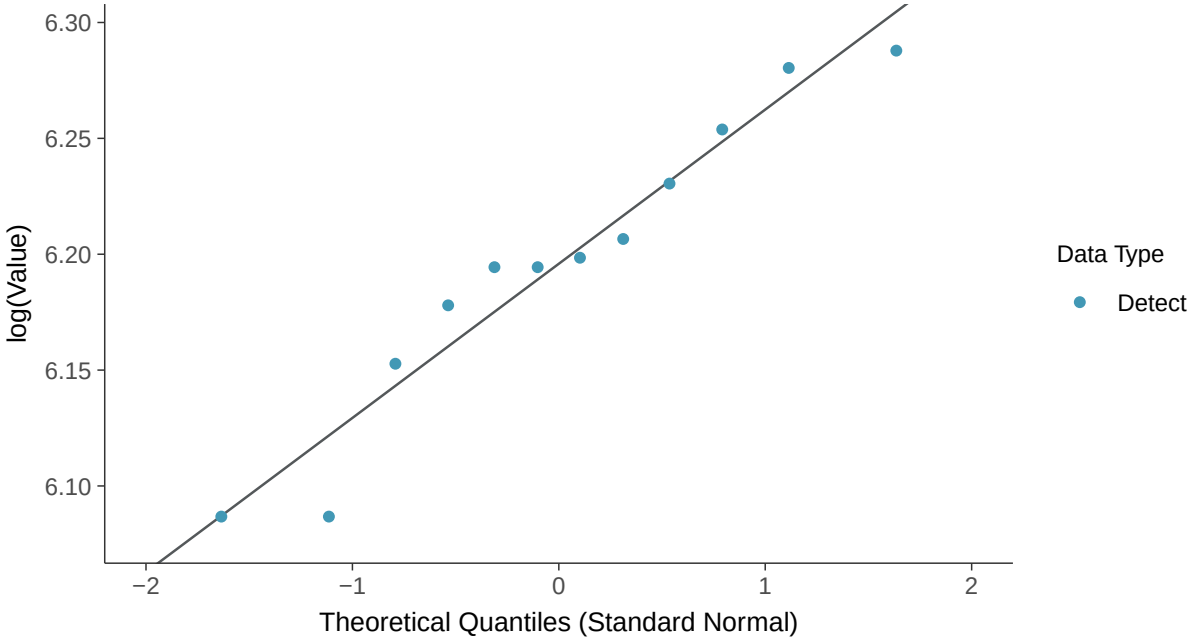
Normal Q-Q plot

Total Dissolved Solids, MW-100B (mg/l)



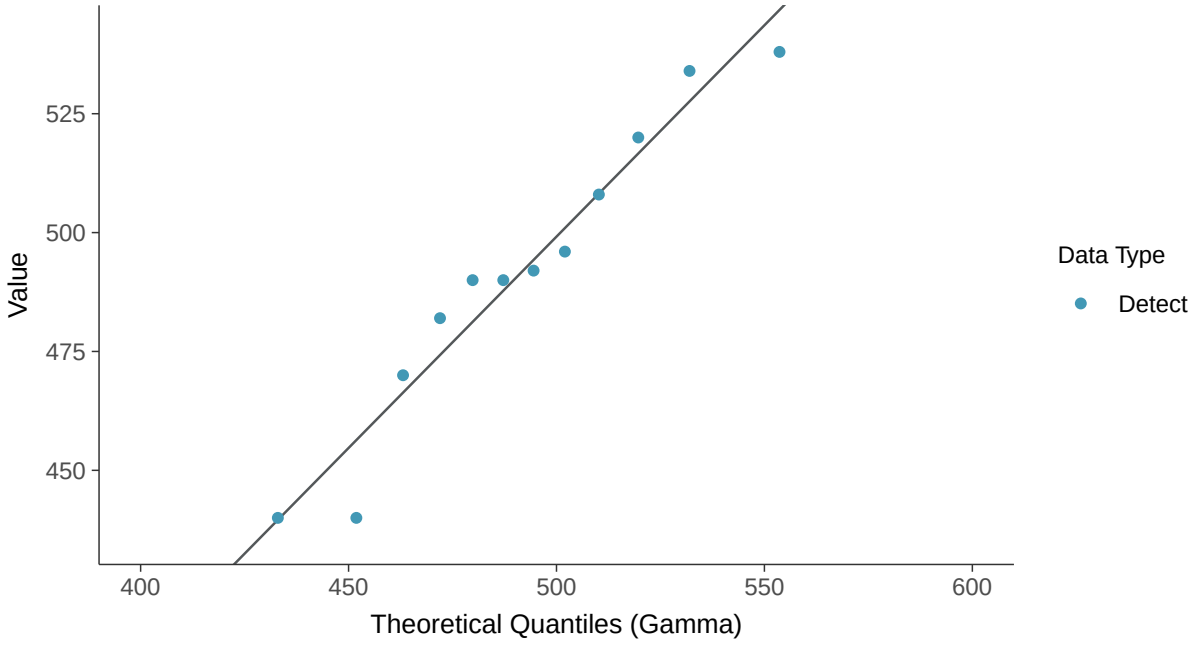
Lognormal Q-Q plot

Total Dissolved Solids, MW-100B (mg/l)



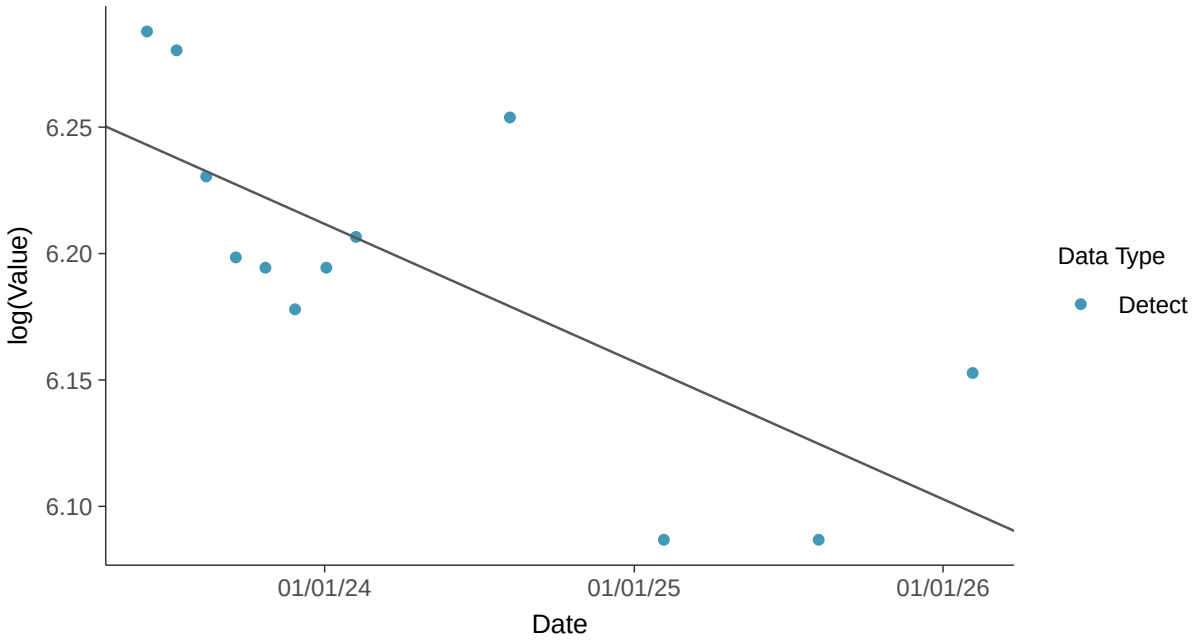
Gamma Q-Q plot

Total Dissolved Solids, MW-100B (mg/l)



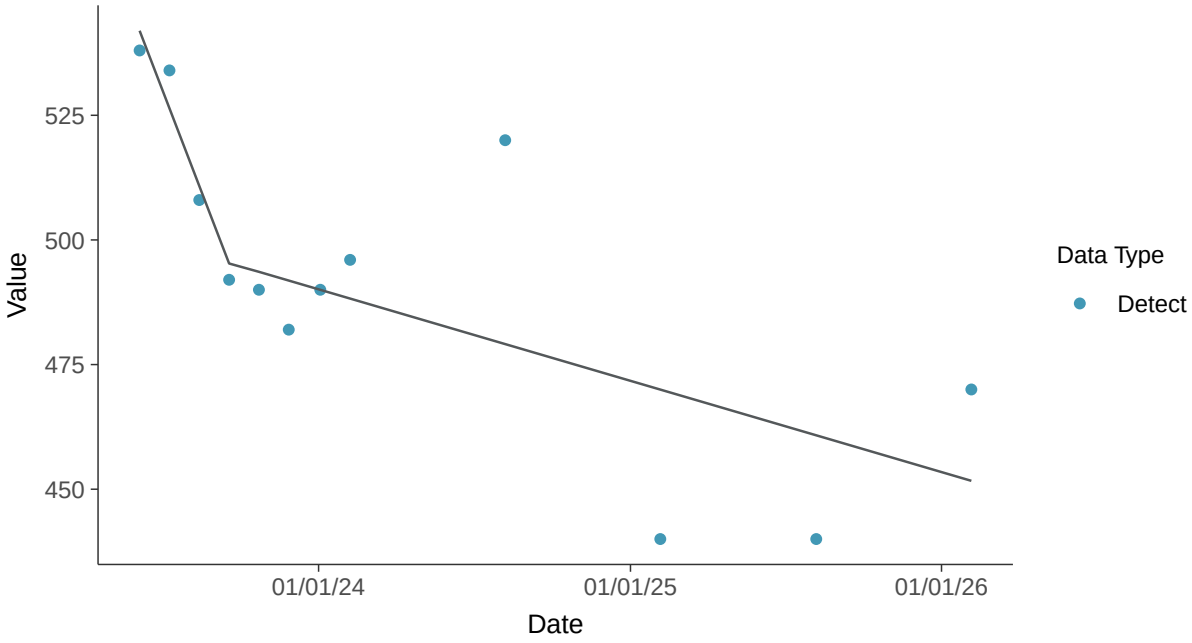
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-100B (mg/l)



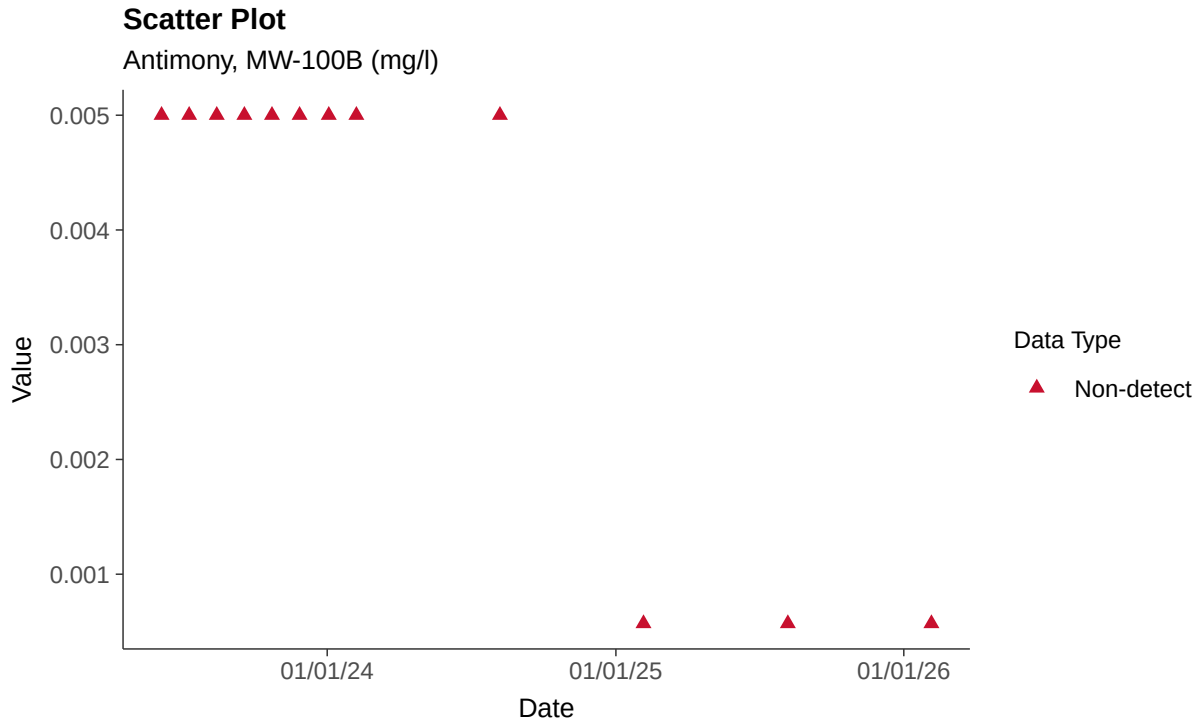
Trend Regression: Piecewise Linear-Linear

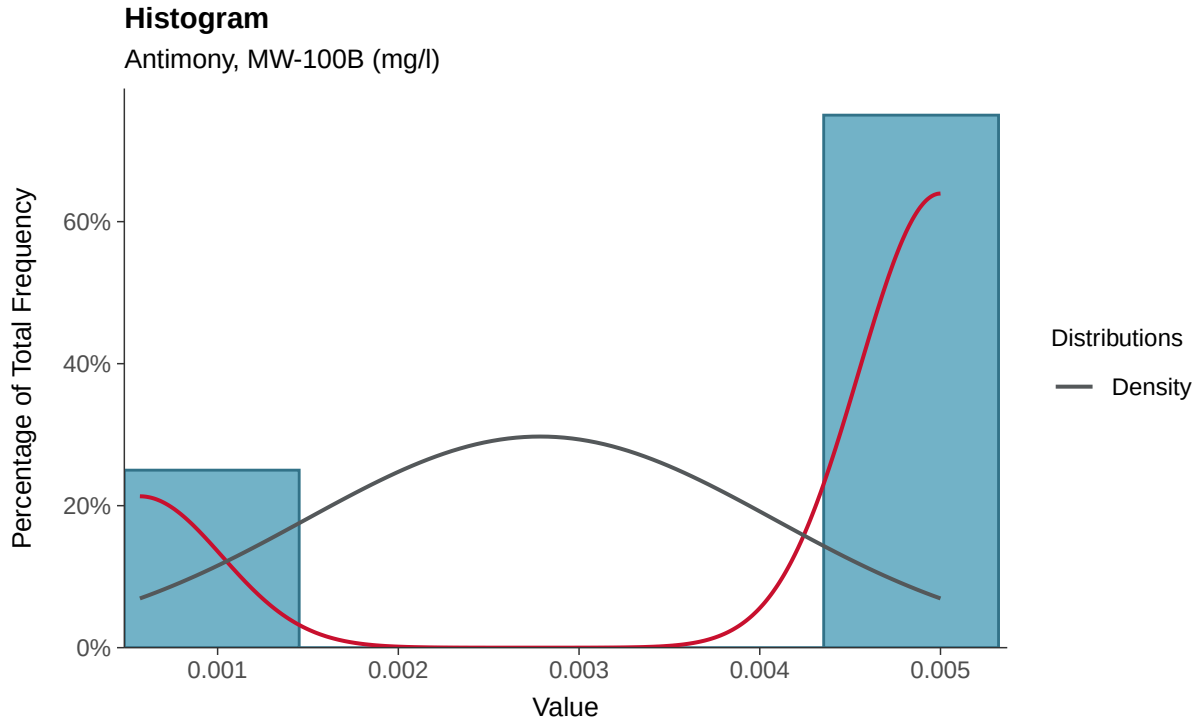
Total Dissolved Solids, MW-100B (mg/l)



Appendix IV: Antimony, MW-100B

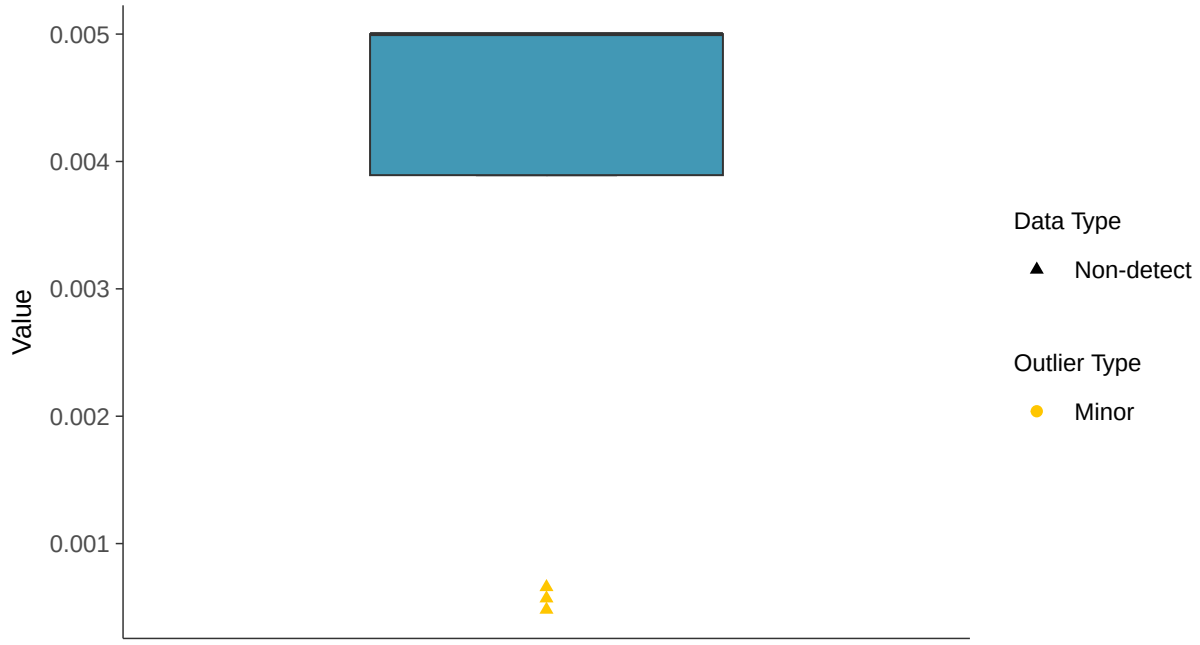
ID: 33_3_101





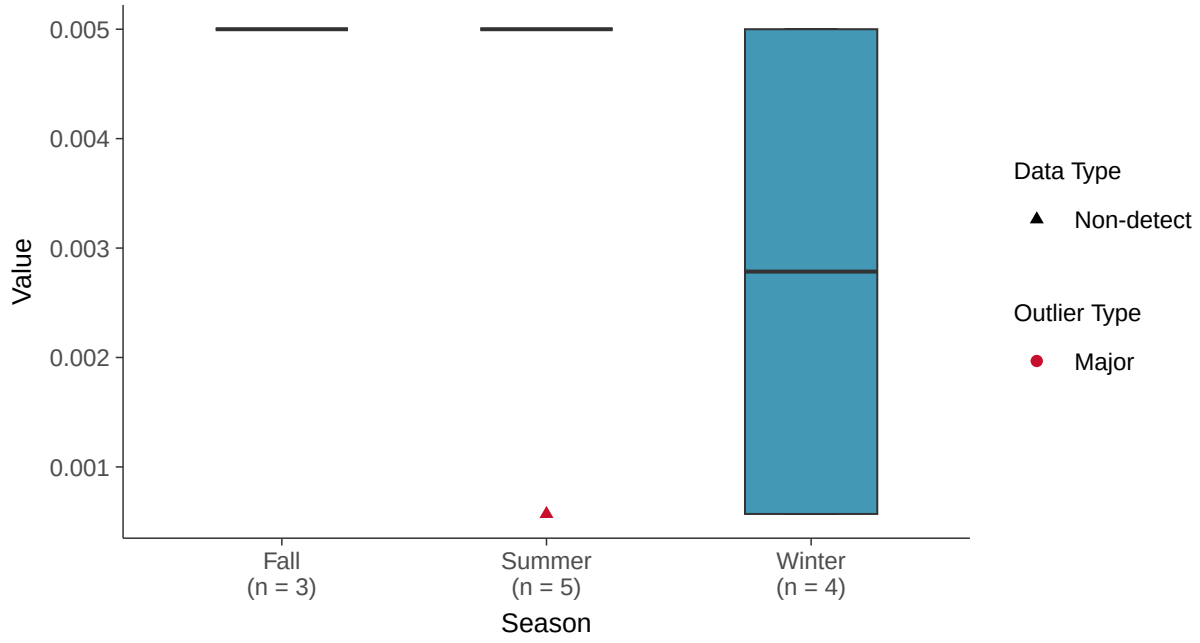
Boxplot

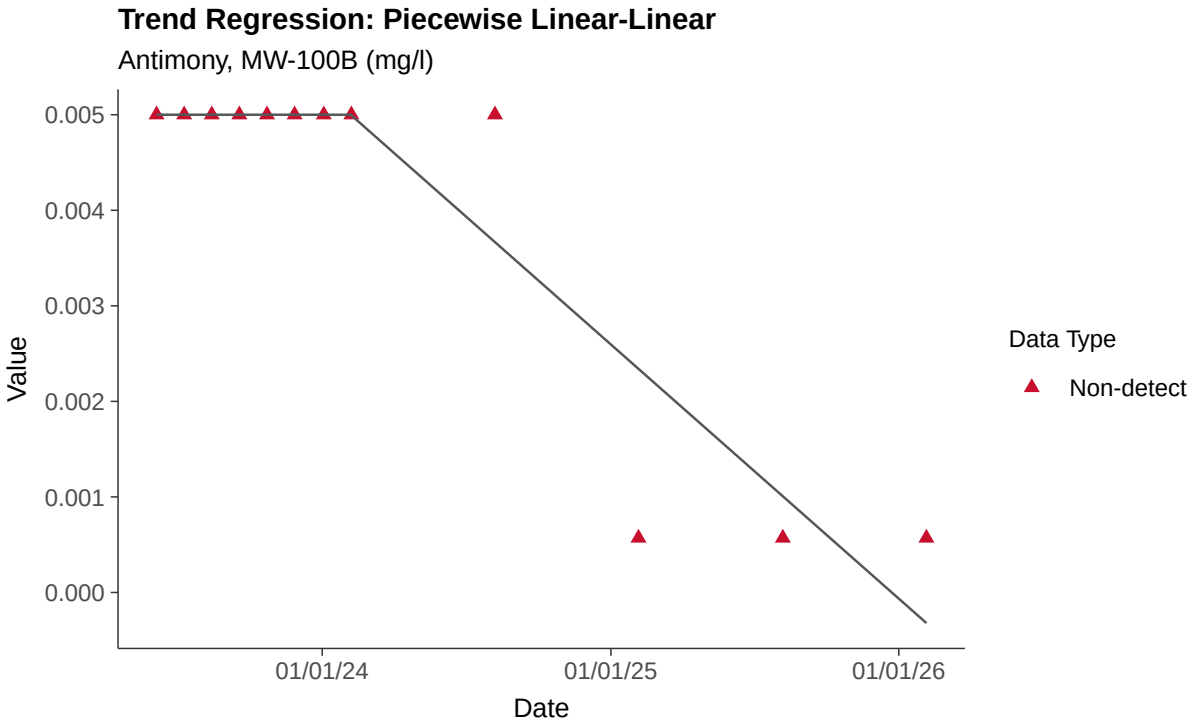
Antimony, MW-100B (mg/l)



Boxplot by Season

Antimony, MW-100B (mg/l)



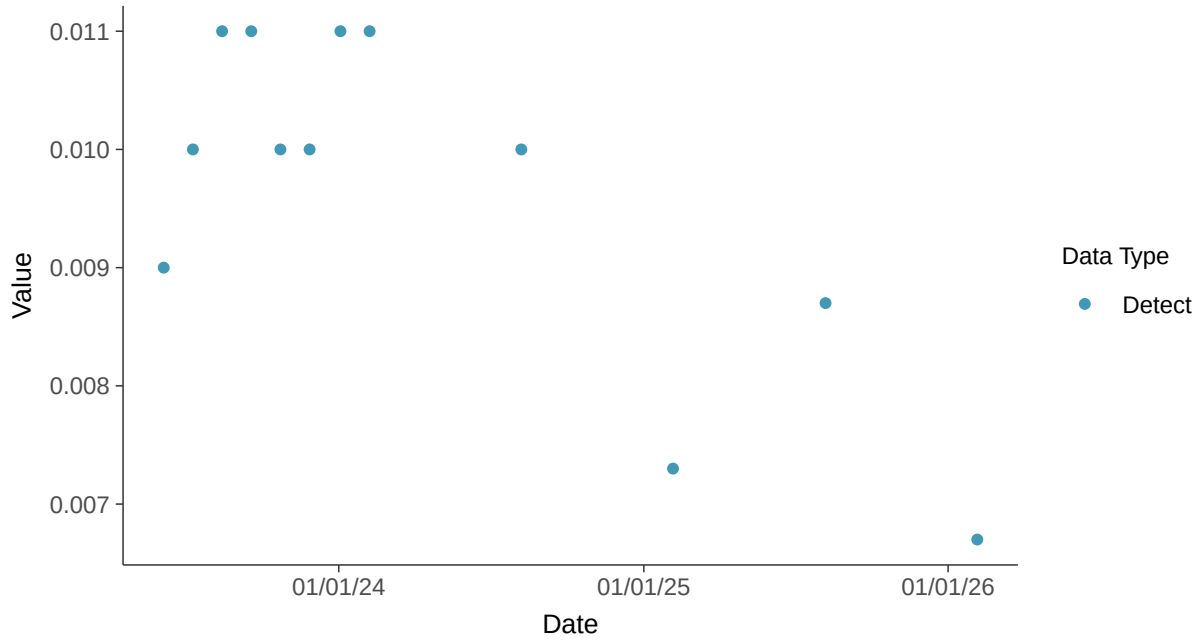

Trend Regression: Piecewise Linear-Linear
Antimony, MW-100B (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-100B

ID: 33_3_102

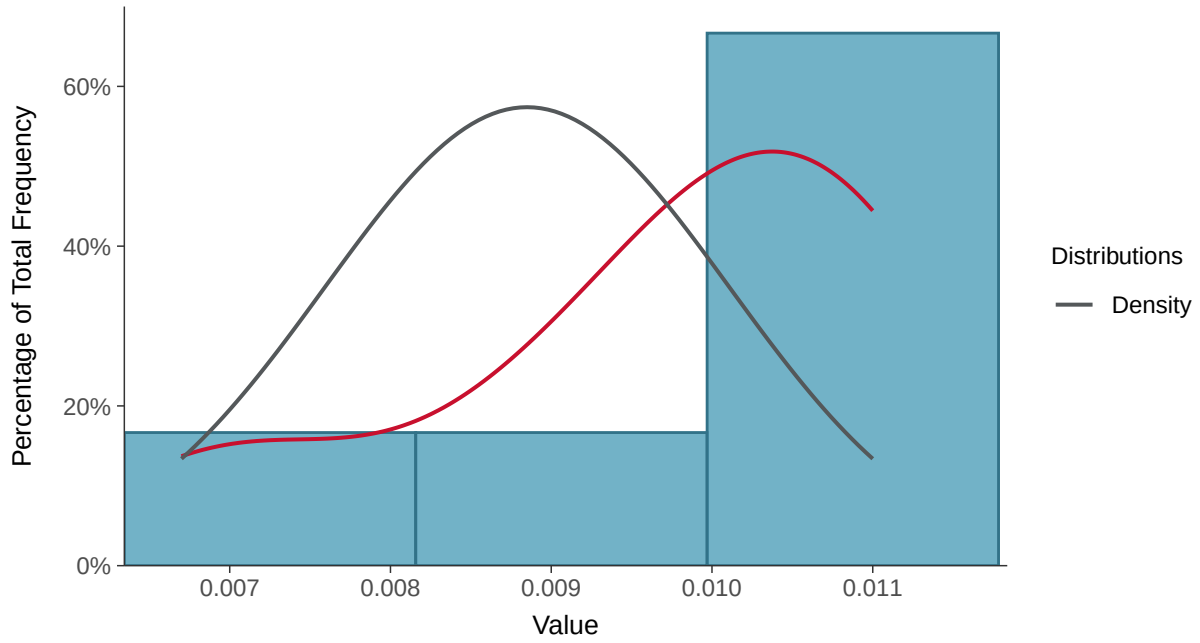
Scatter Plot

Arsenic, MW-100B (mg/l)



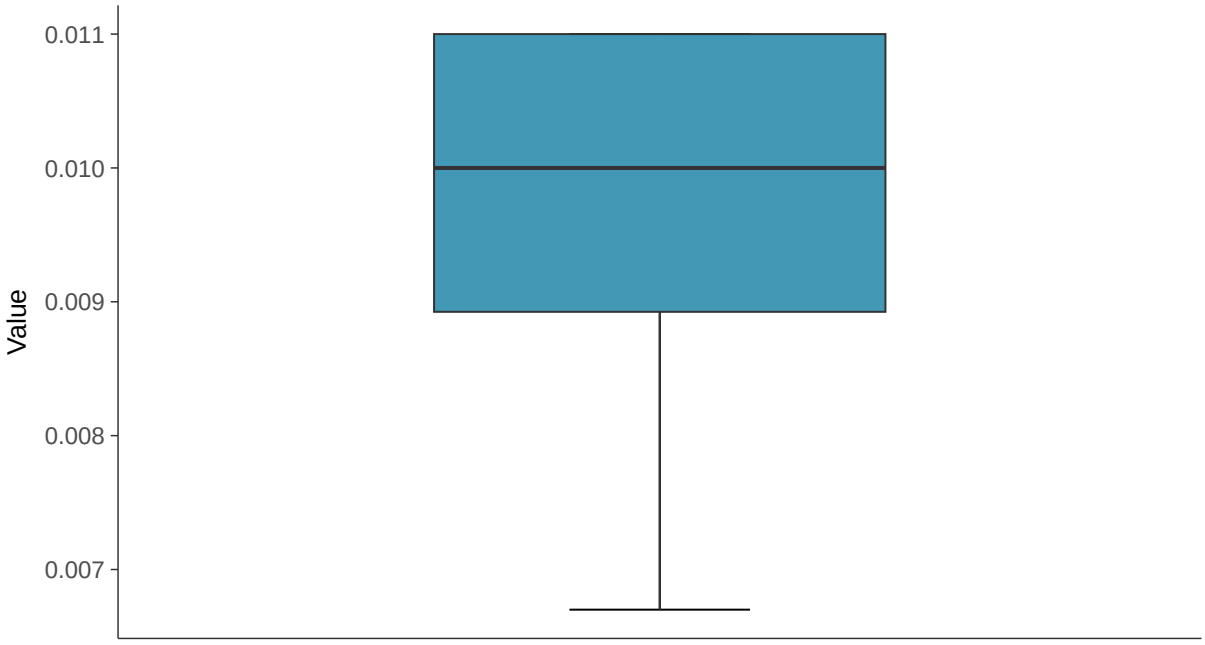
Histogram

Arsenic, MW-100B (mg/l)



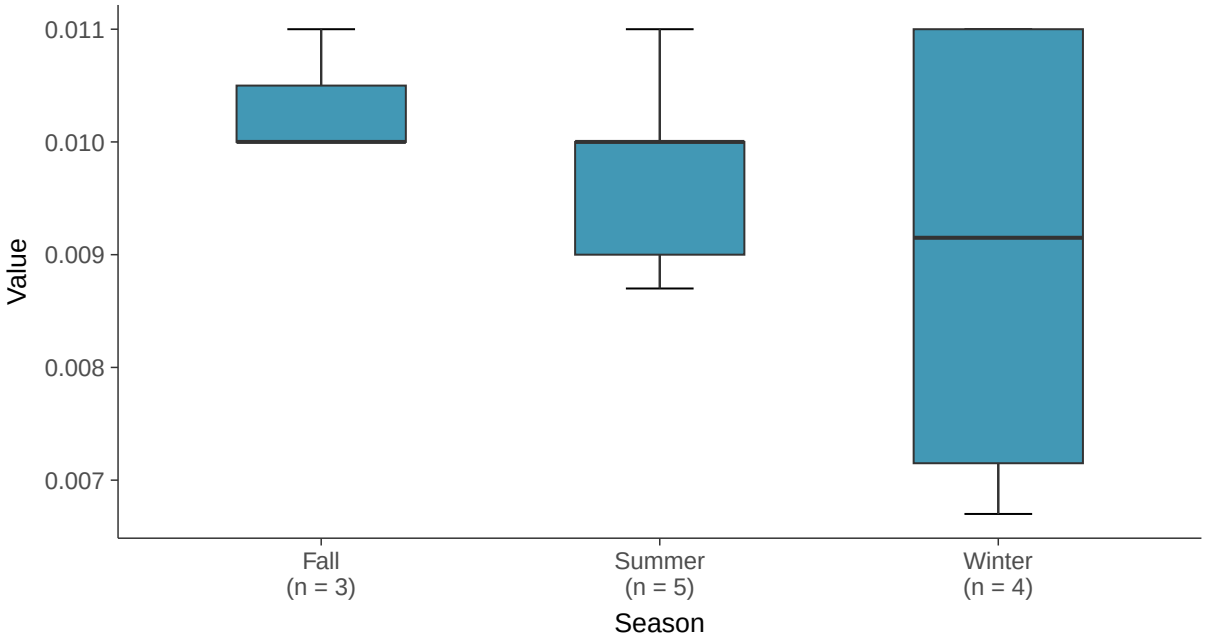
Boxplot

Arsenic, MW-100B (mg/l)



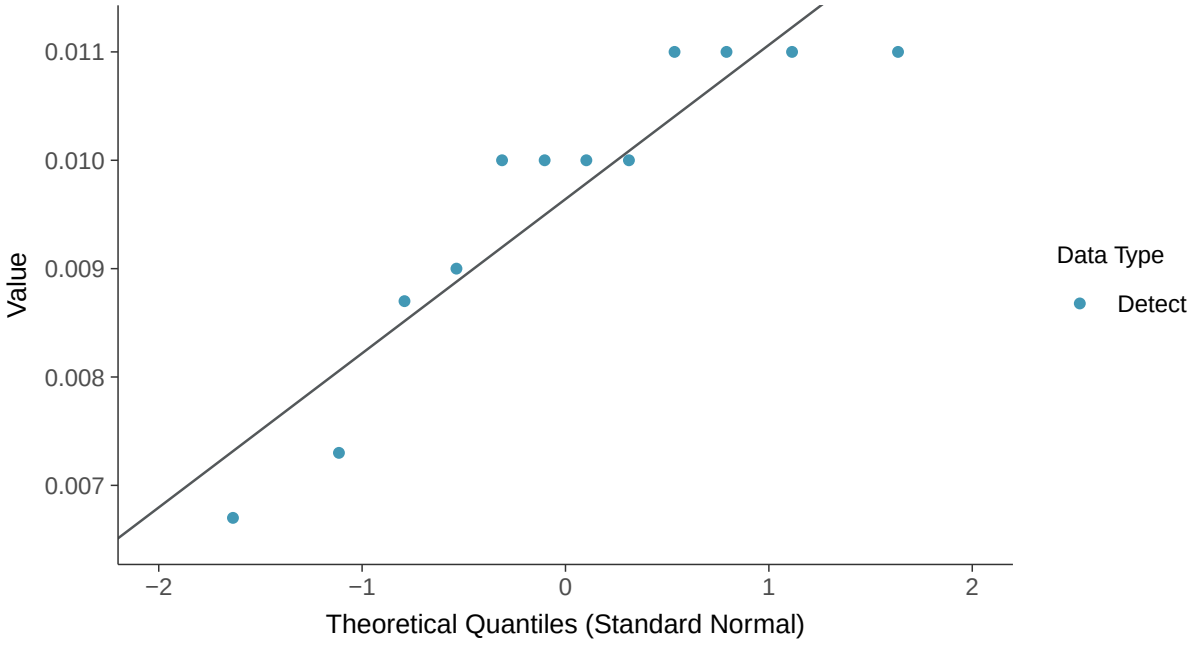
Boxplot by Season

Arsenic, MW-100B (mg/l)



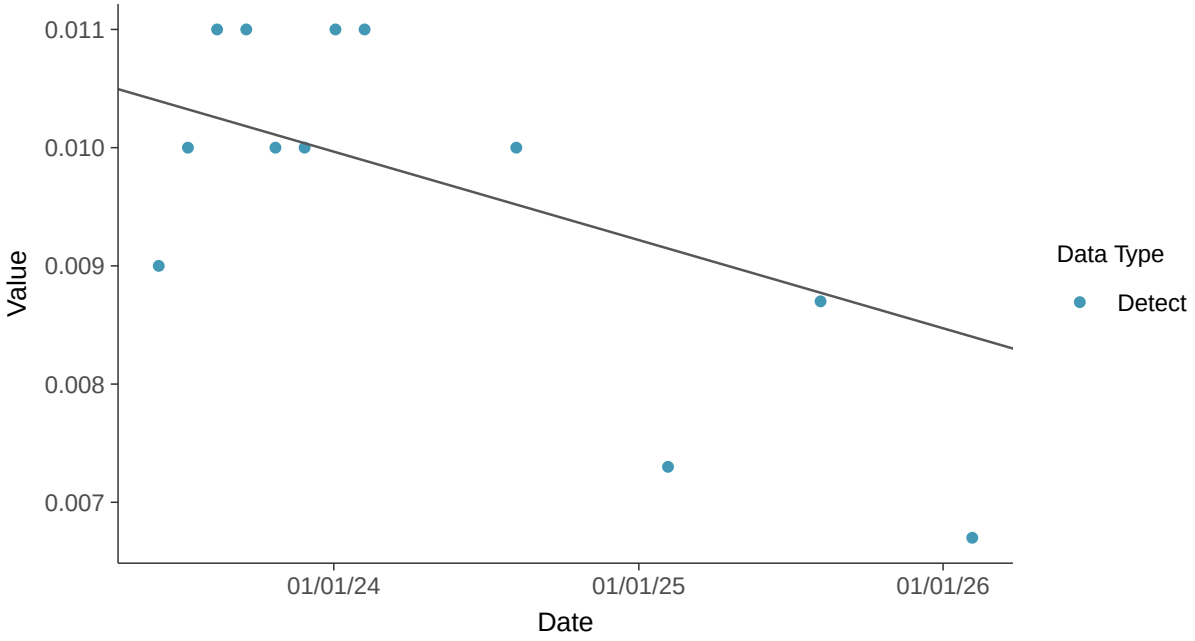
Normal Q-Q plot

Arsenic, MW-100B (mg/l)



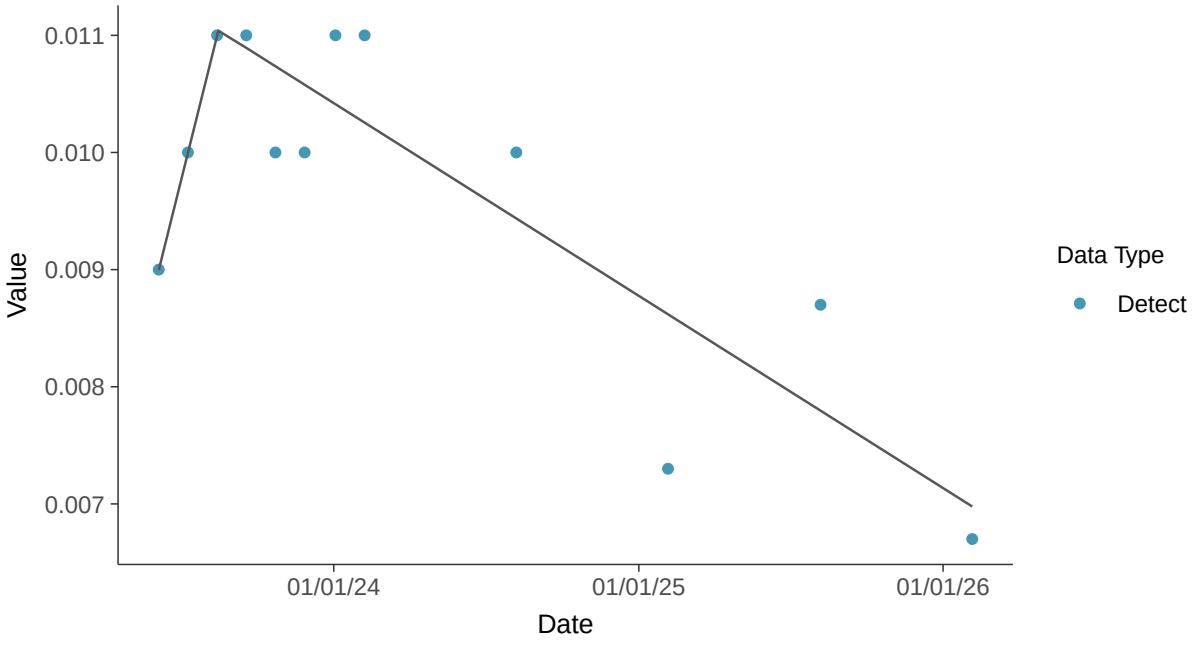
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Arsenic, MW-100B (mg/l)



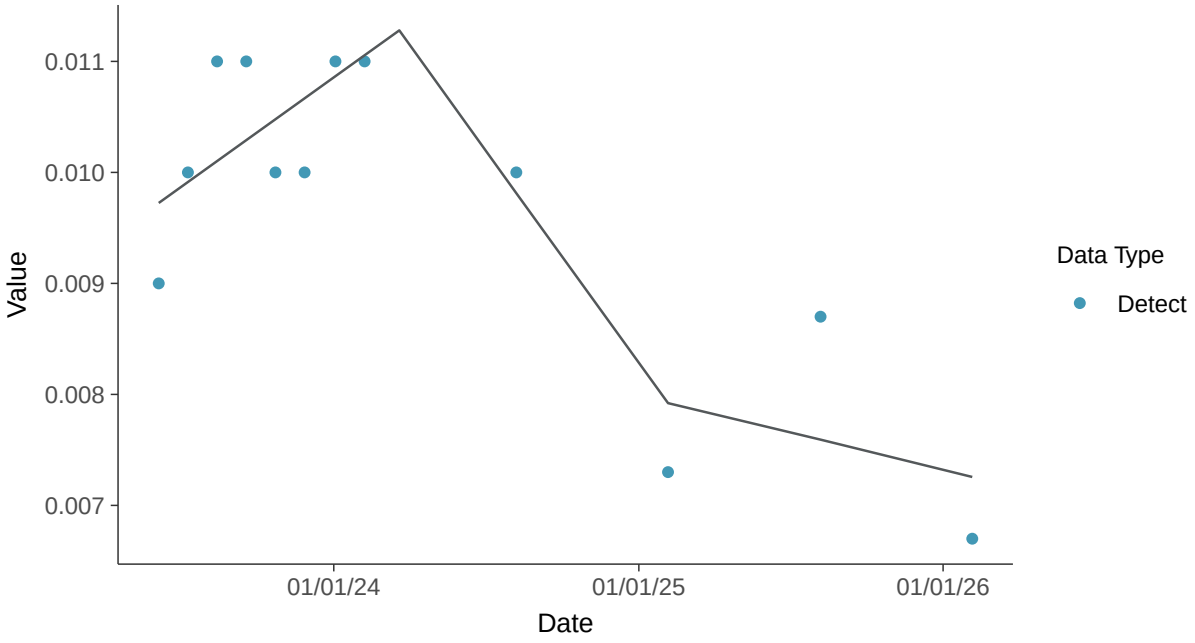
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-100B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Arsenic, MW-100B (mg/l)

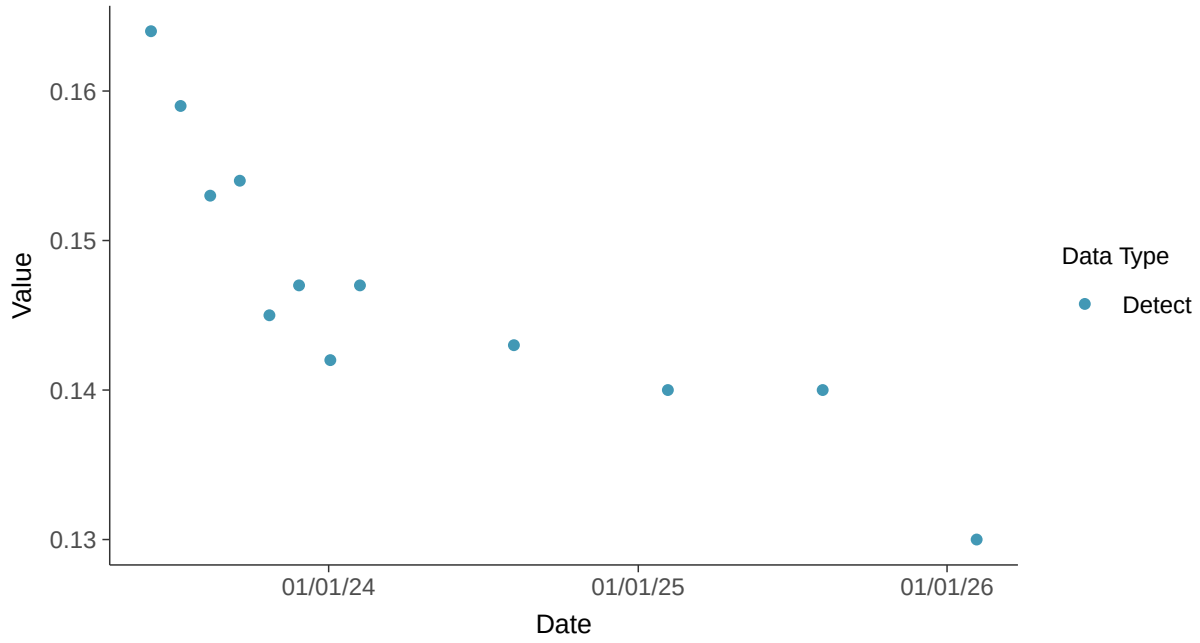


Appendix IV: Barium, MW-100B

ID: 33_3_103

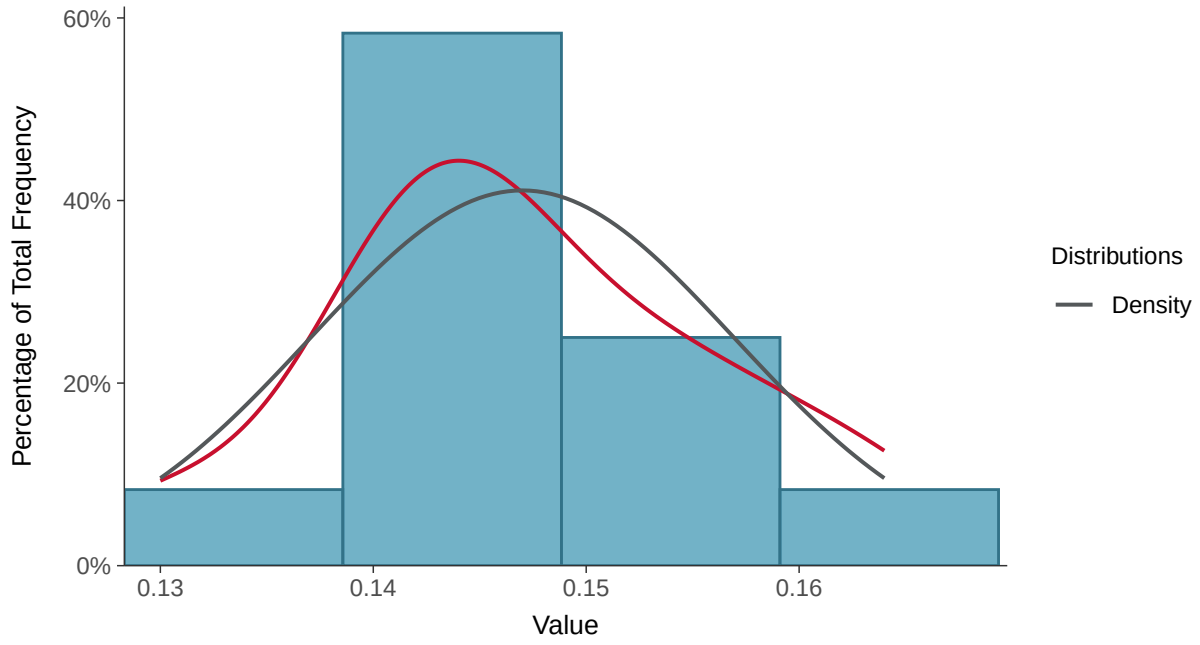
Scatter Plot

Barium, MW-100B (mg/l)



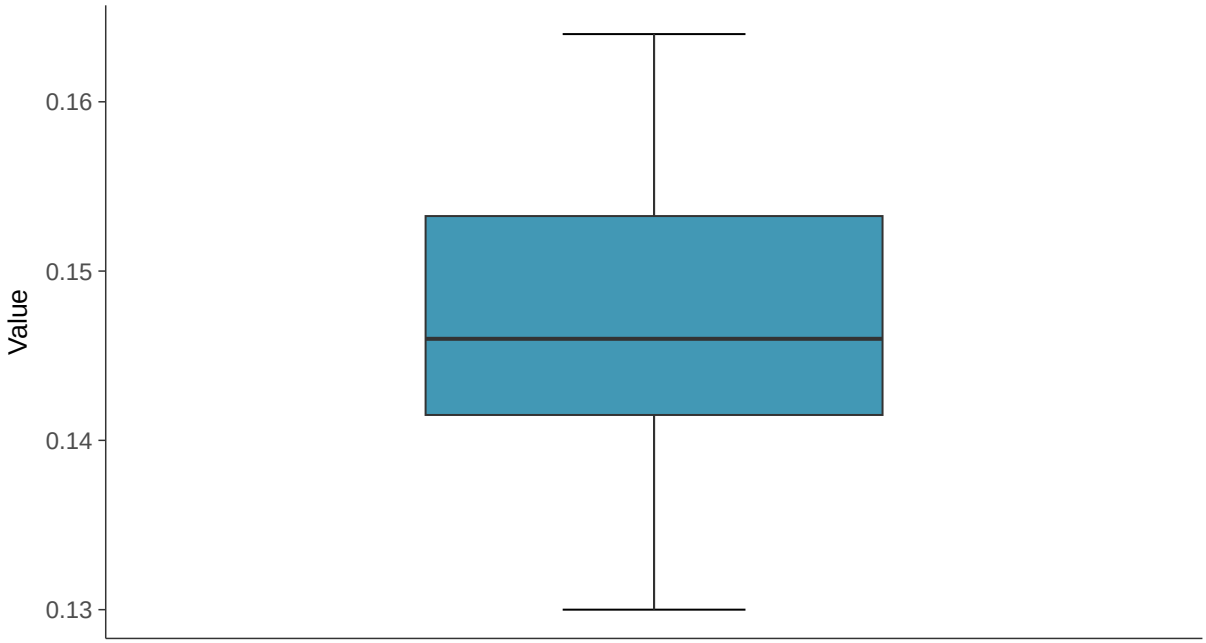
Histogram

Barium, MW-100B (mg/l)



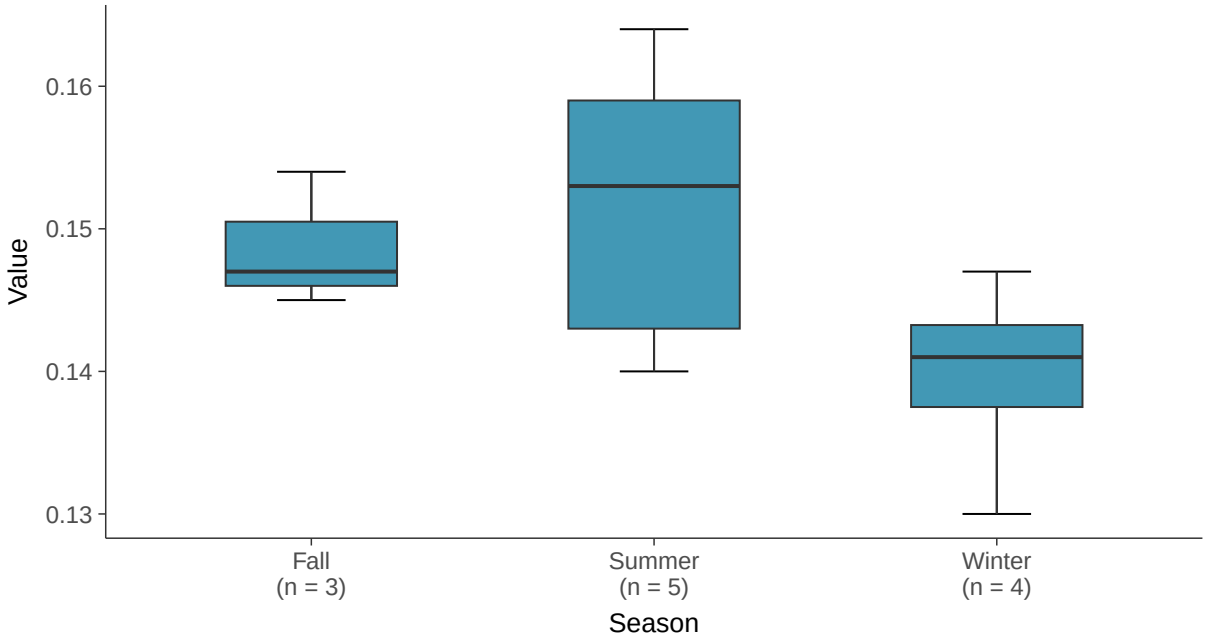
Boxplot

Barium, MW-100B (mg/l)



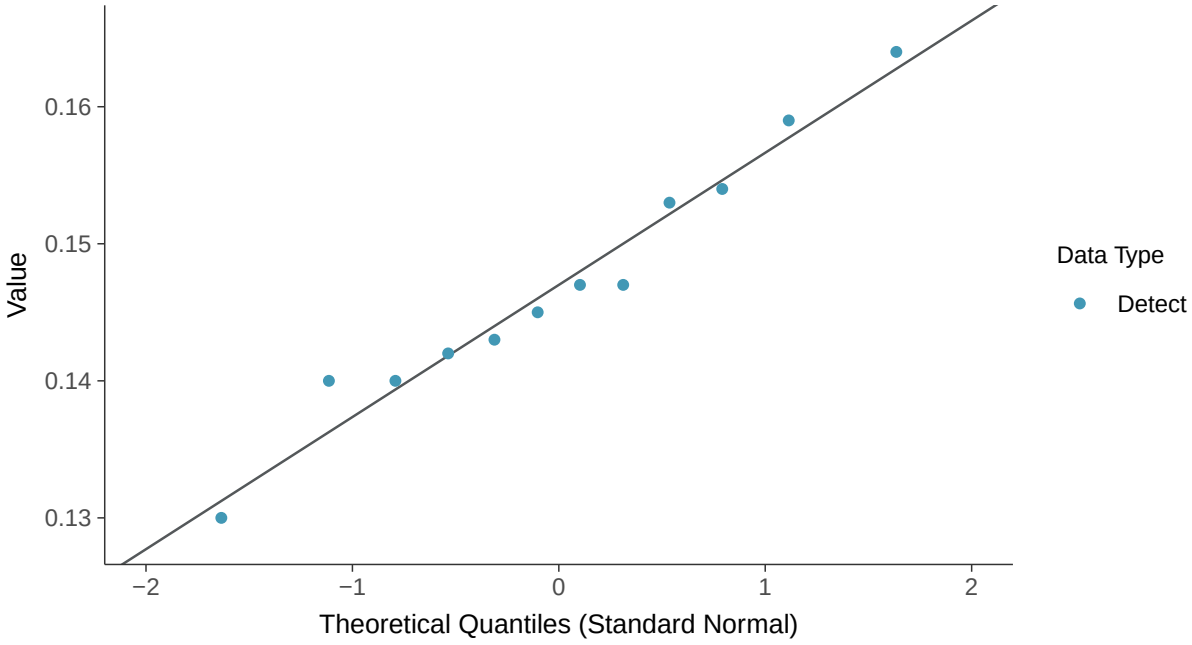
Boxplot by Season

Barium, MW-100B (mg/l)



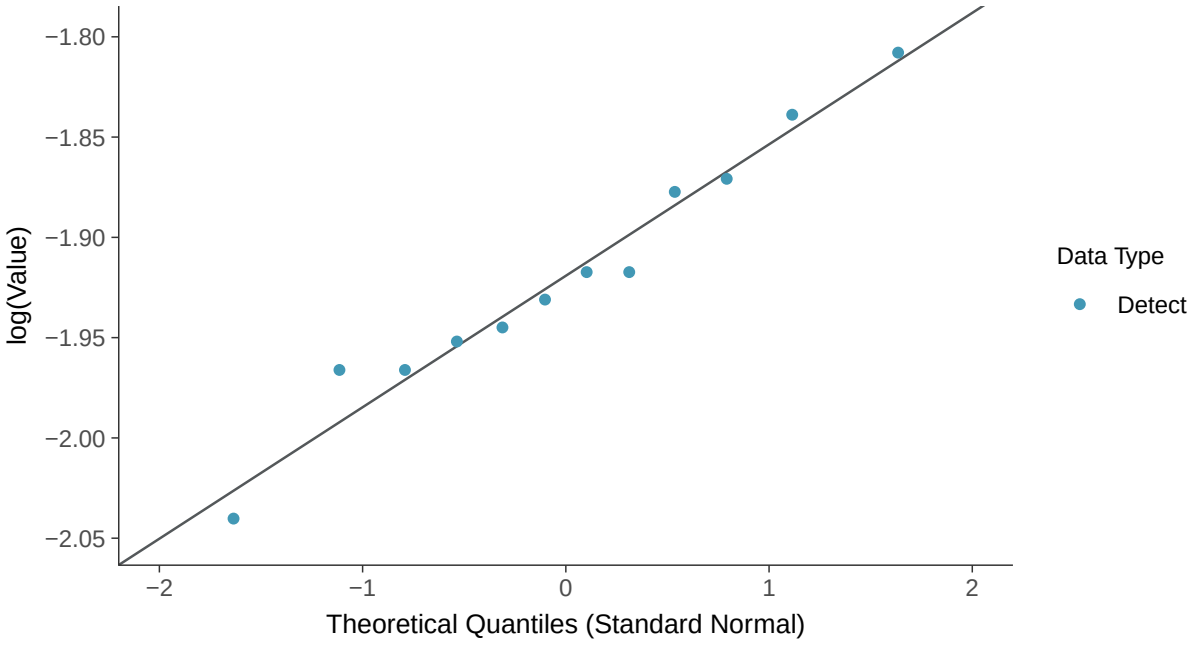
Normal Q-Q plot

Barium, MW-100B (mg/l)



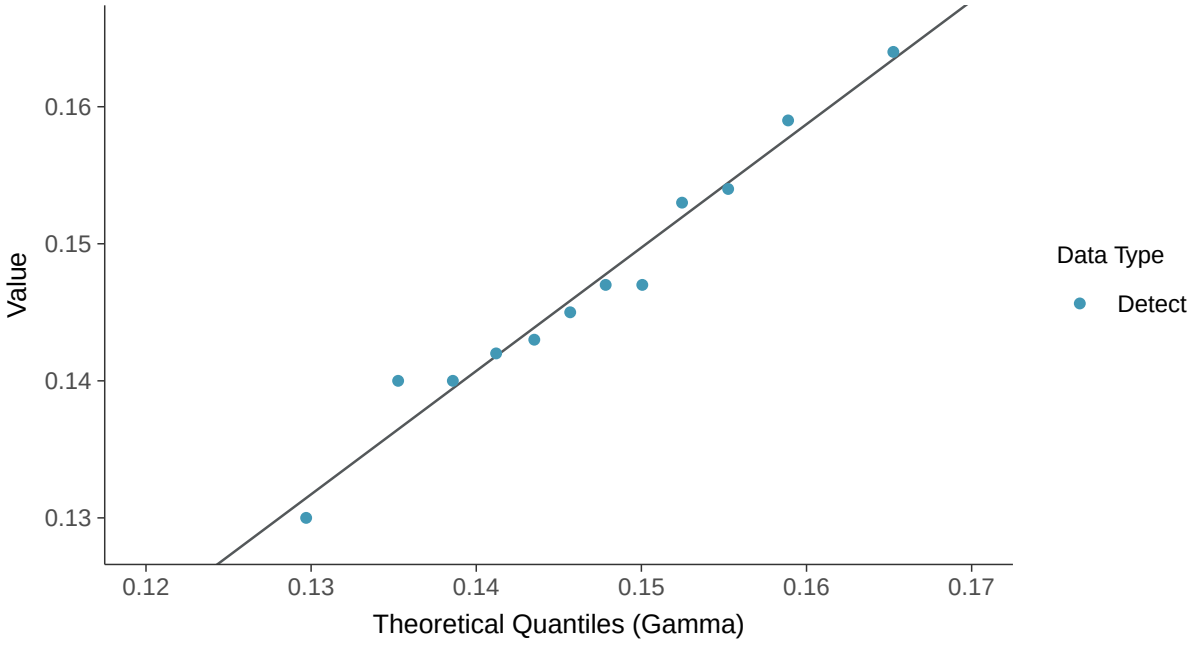
Lognormal Q-Q plot

Barium, MW-100B (mg/l)



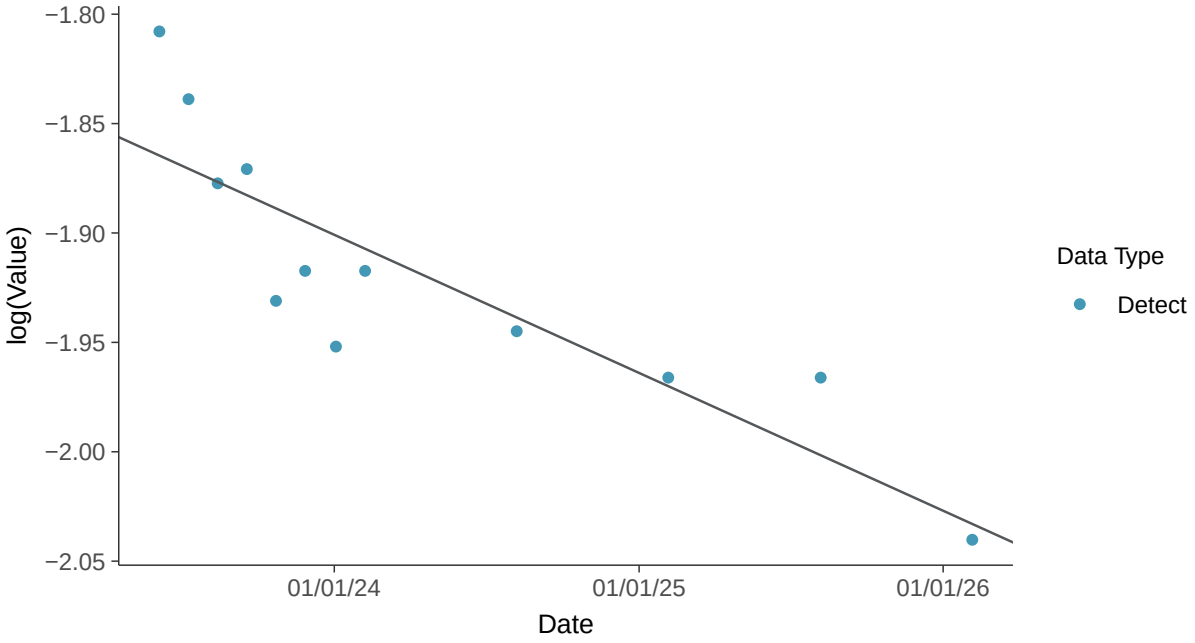
Gamma Q-Q plot

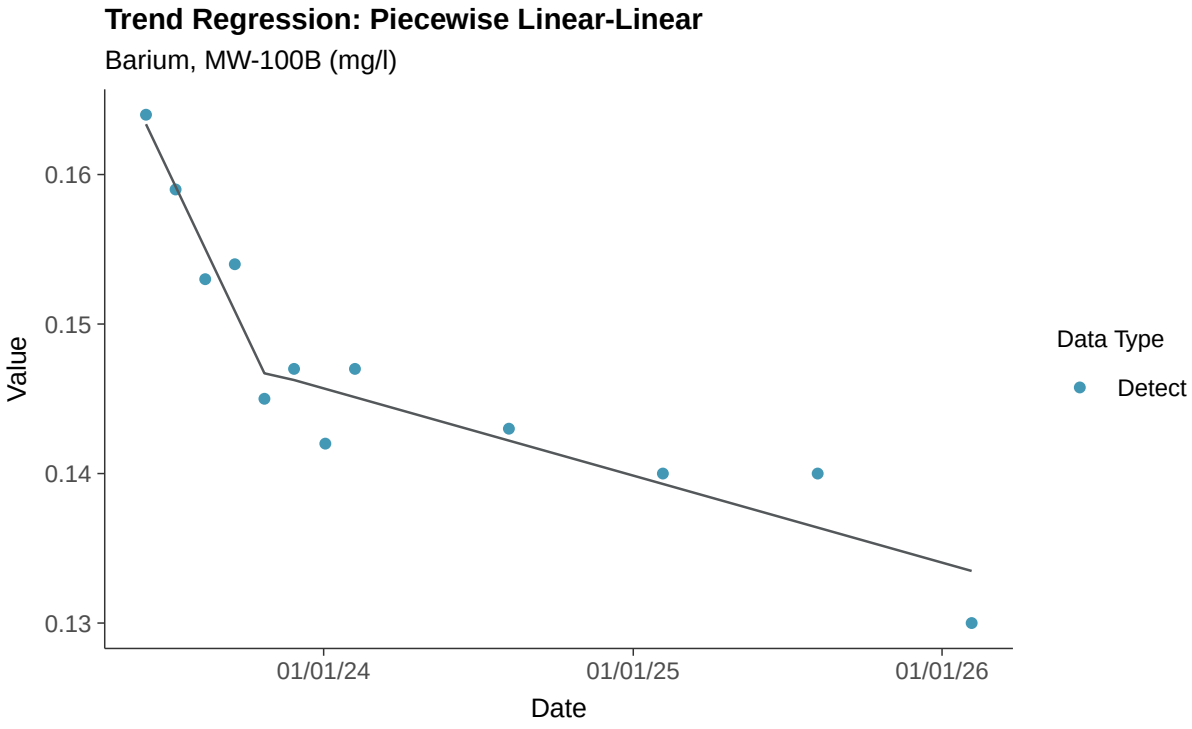
Barium, MW-100B (mg/l)



Trend Regression: Lognormal MLE

Barium, MW-100B (mg/l)



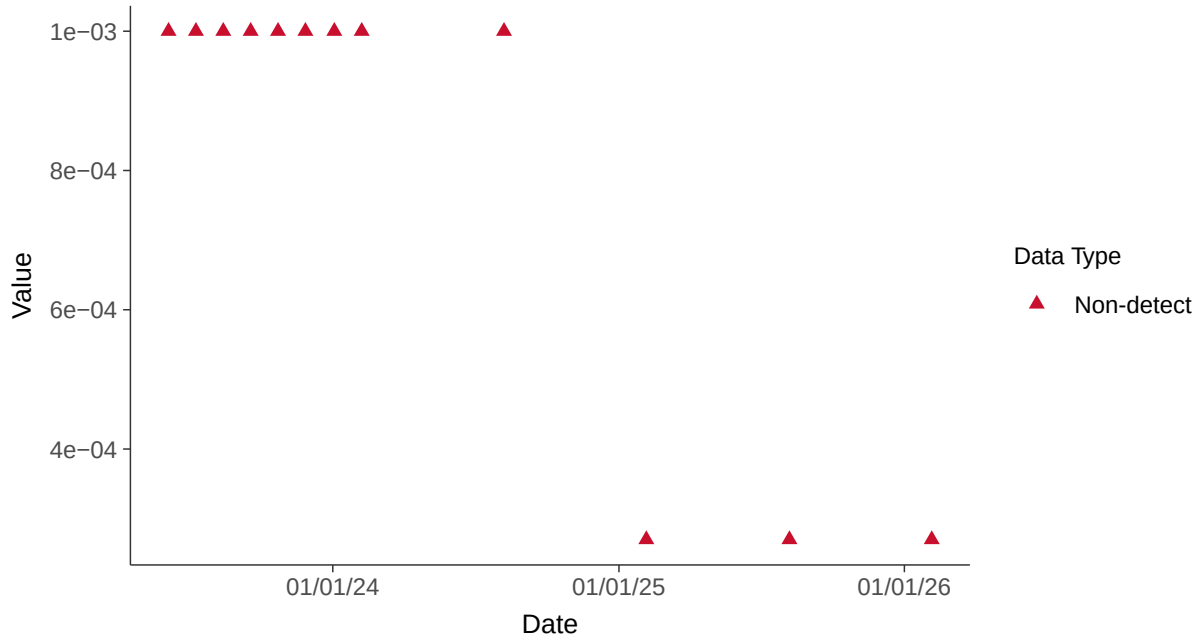

Trend Regression: Piecewise Linear-Linear
Barium, MW-100B (mg/l)
Value
0.16
0.15
0.14
0.13
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Beryllium, MW-100B

ID: 33_3_104

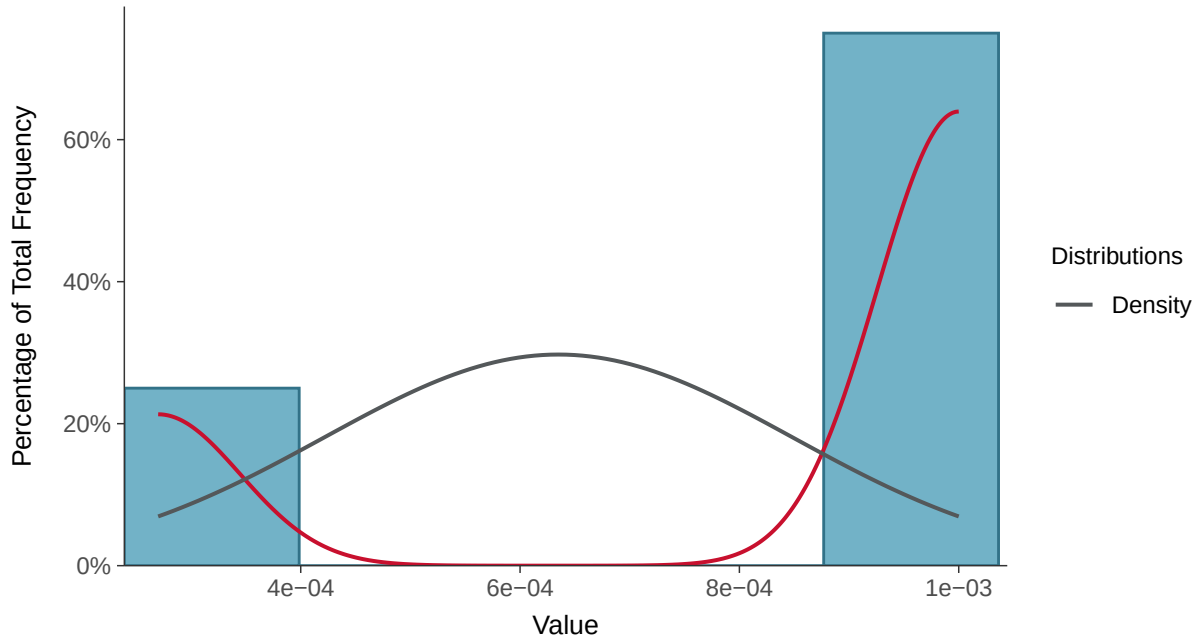
Scatter Plot

Beryllium, MW-100B (mg/l)



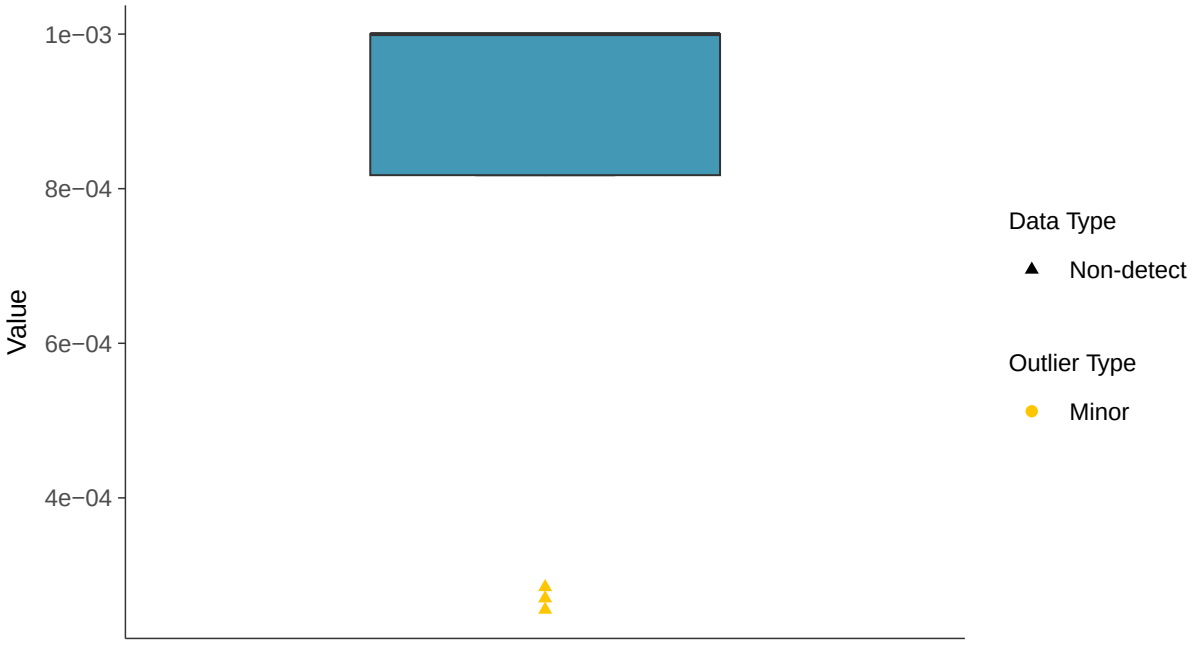
Histogram

Beryllium, MW-100B (mg/l)



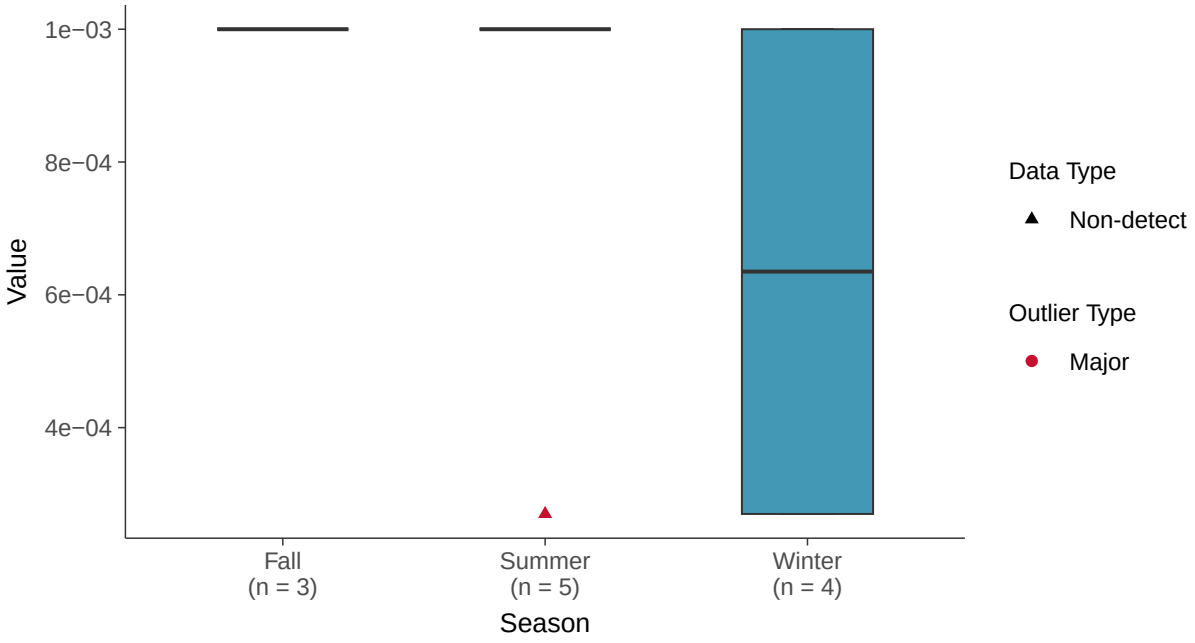
Boxplot

Beryllium, MW-100B (mg/l)



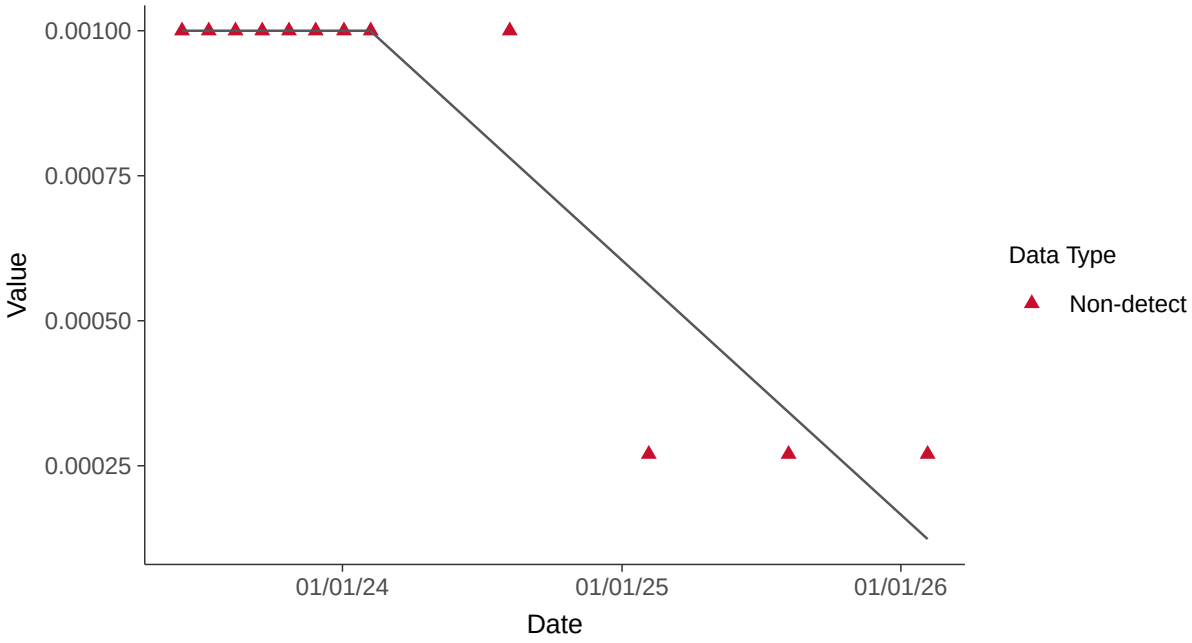
Boxplot by Season

Beryllium, MW-100B (mg/l)



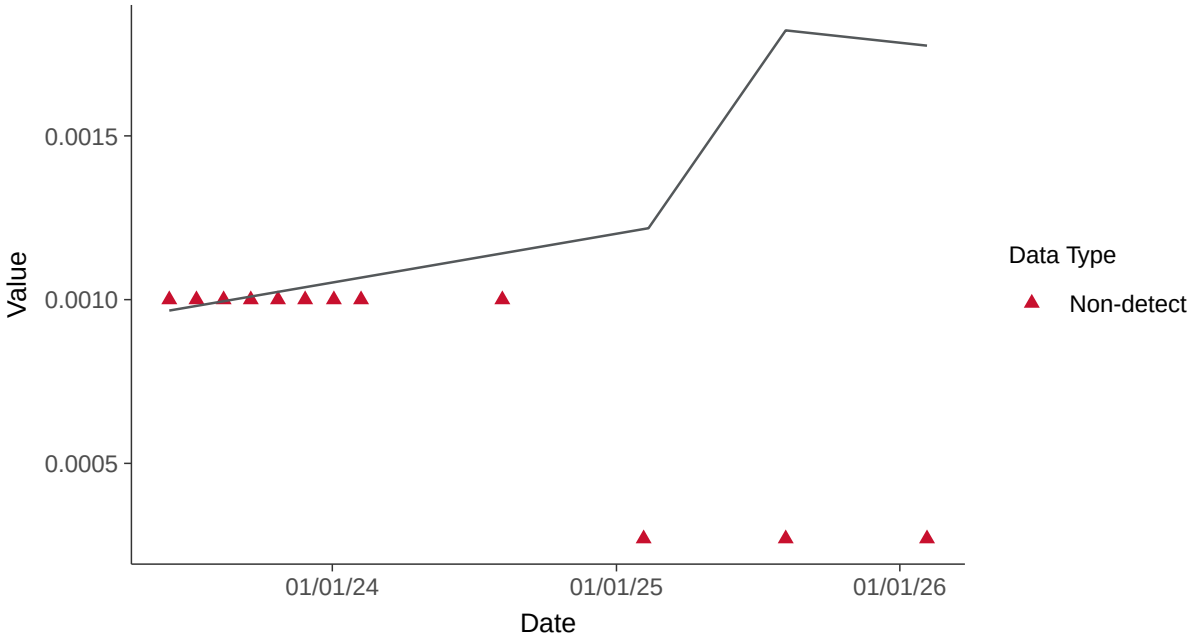
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-100B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Beryllium, MW-100B (mg/l)

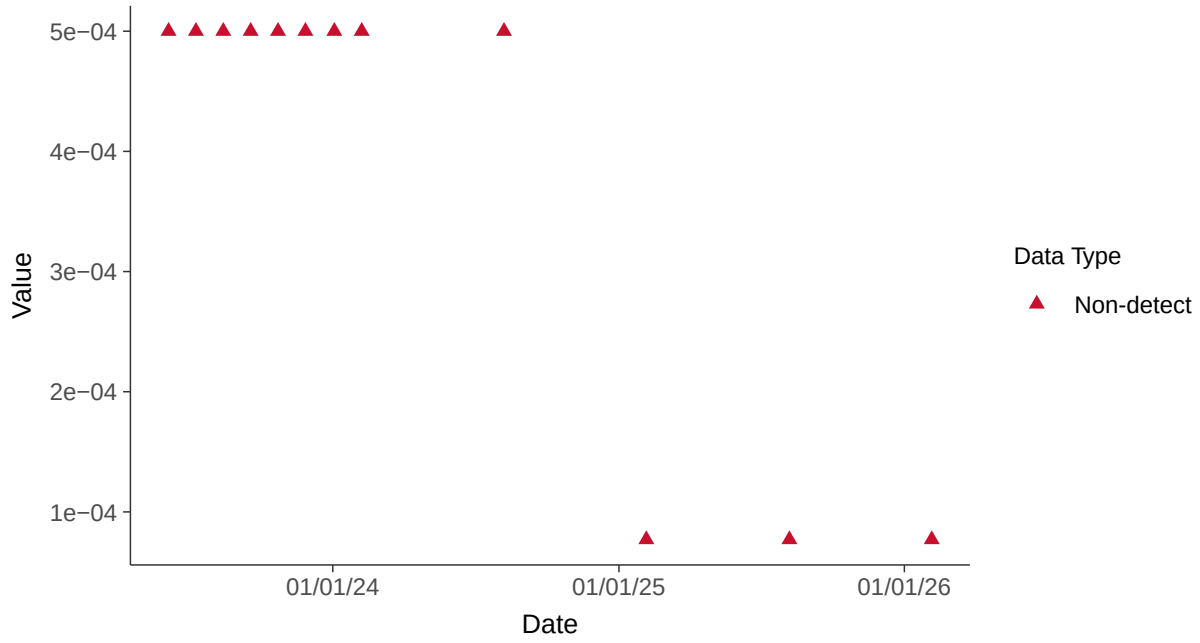


Appendix IV: Cadmium, MW-100B

ID: 33_3_106

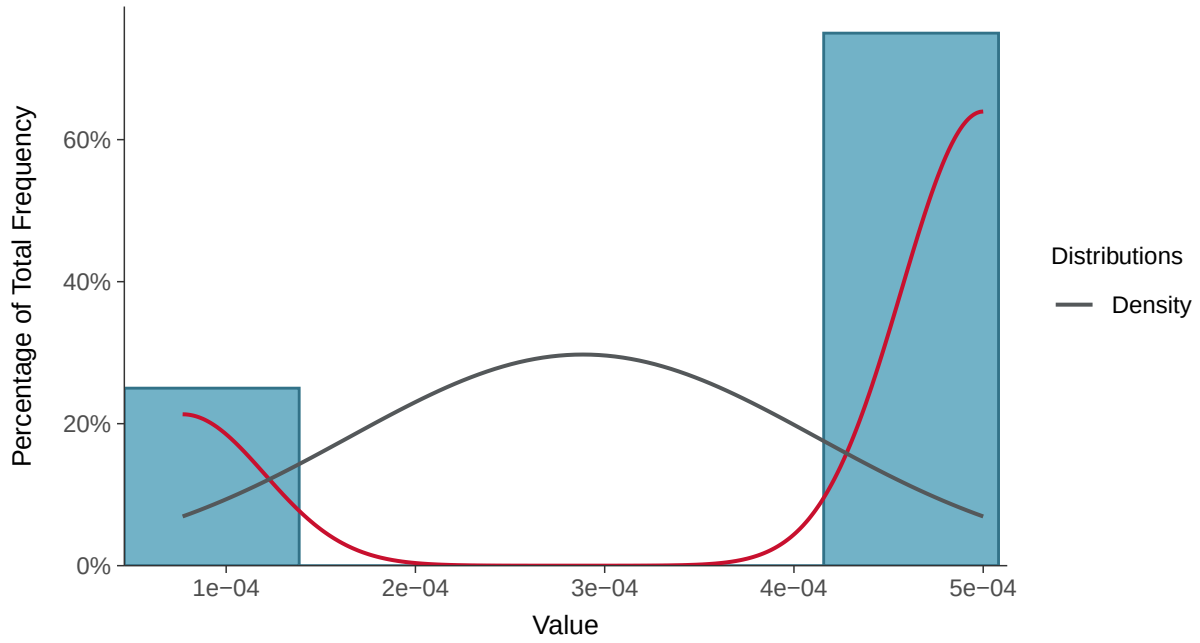
Scatter Plot

Cadmium, MW-100B (mg/l)



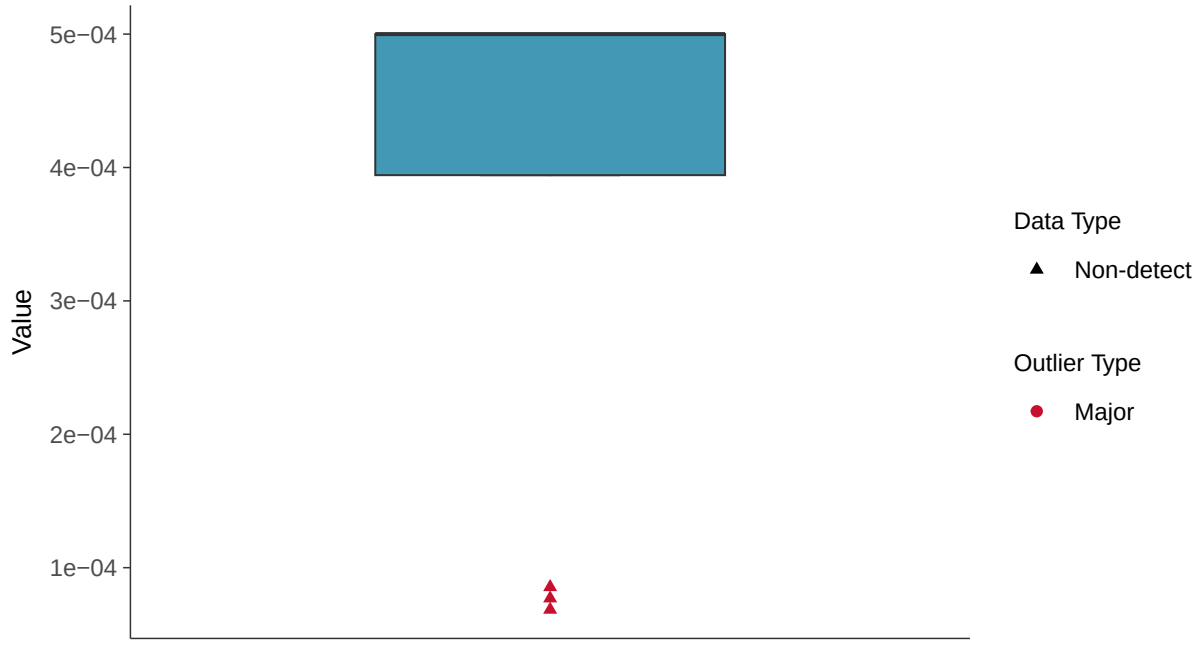
Histogram

Cadmium, MW-100B (mg/l)



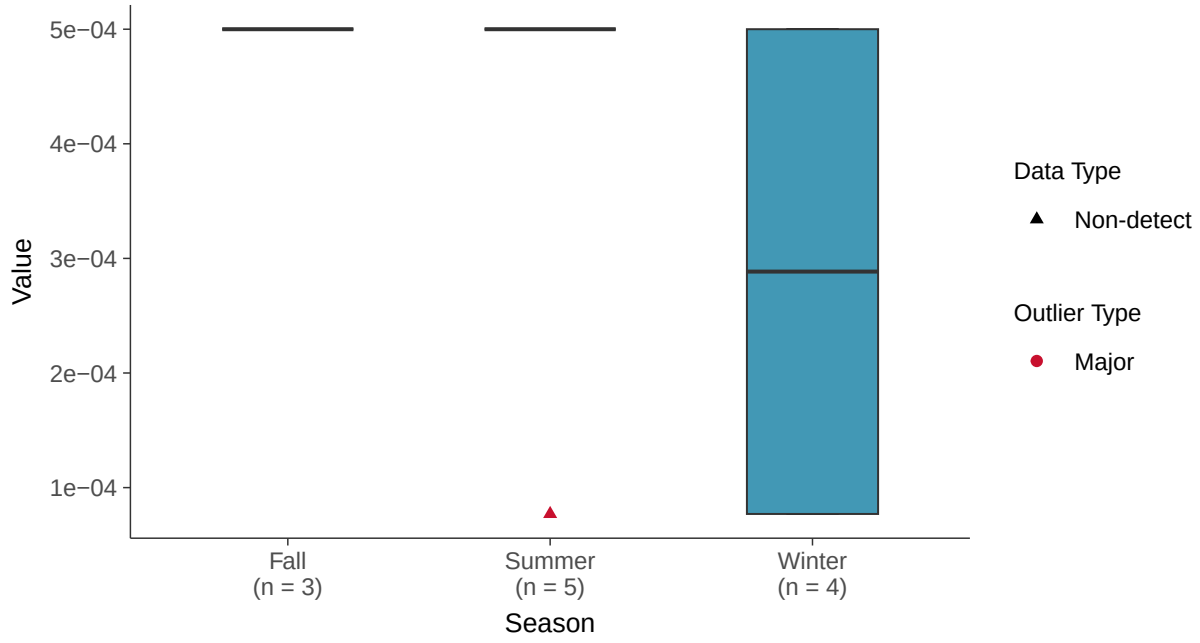
Boxplot

Cadmium, MW-100B (mg/l)



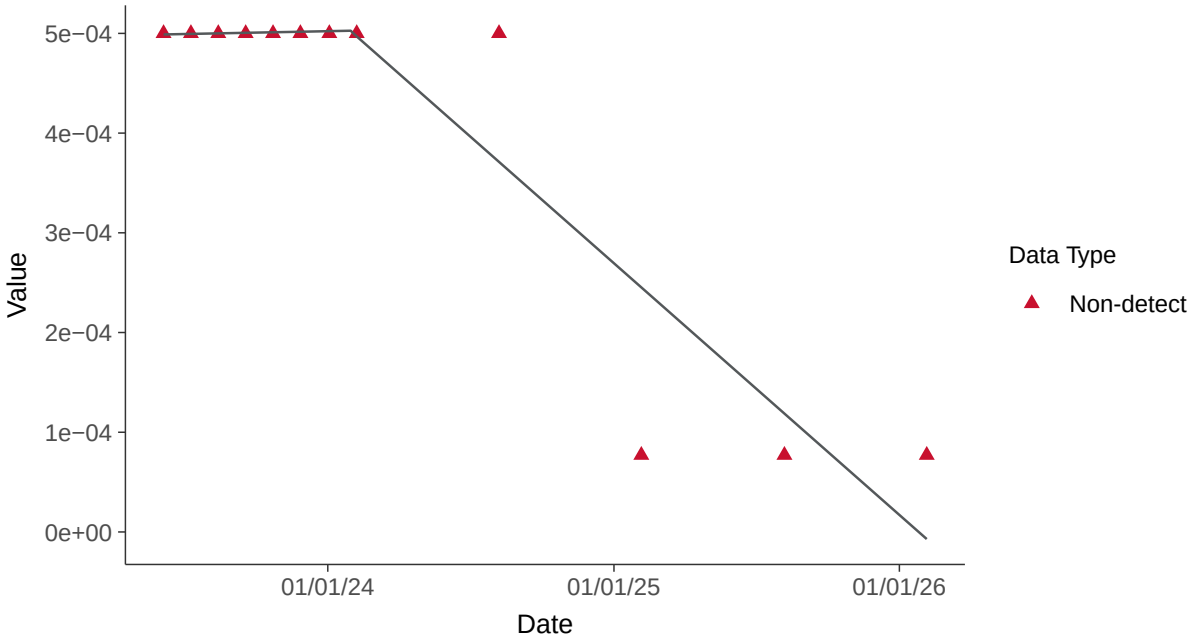
Boxplot by Season

Cadmium, MW-100B (mg/l)



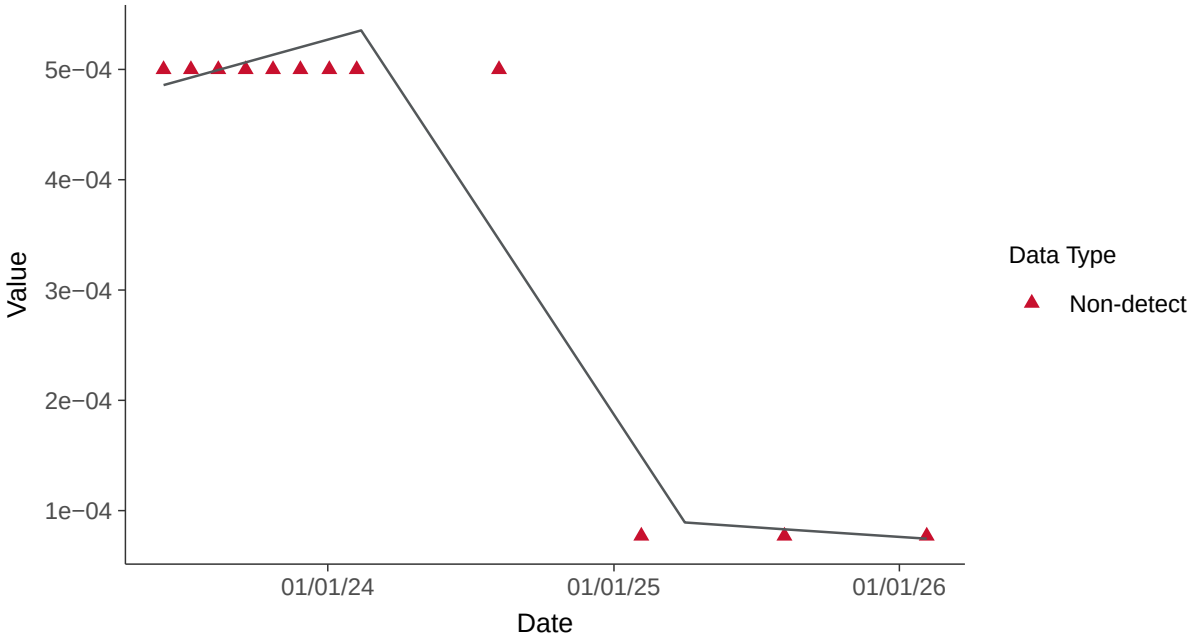
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-100B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Cadmium, MW-100B (mg/l)

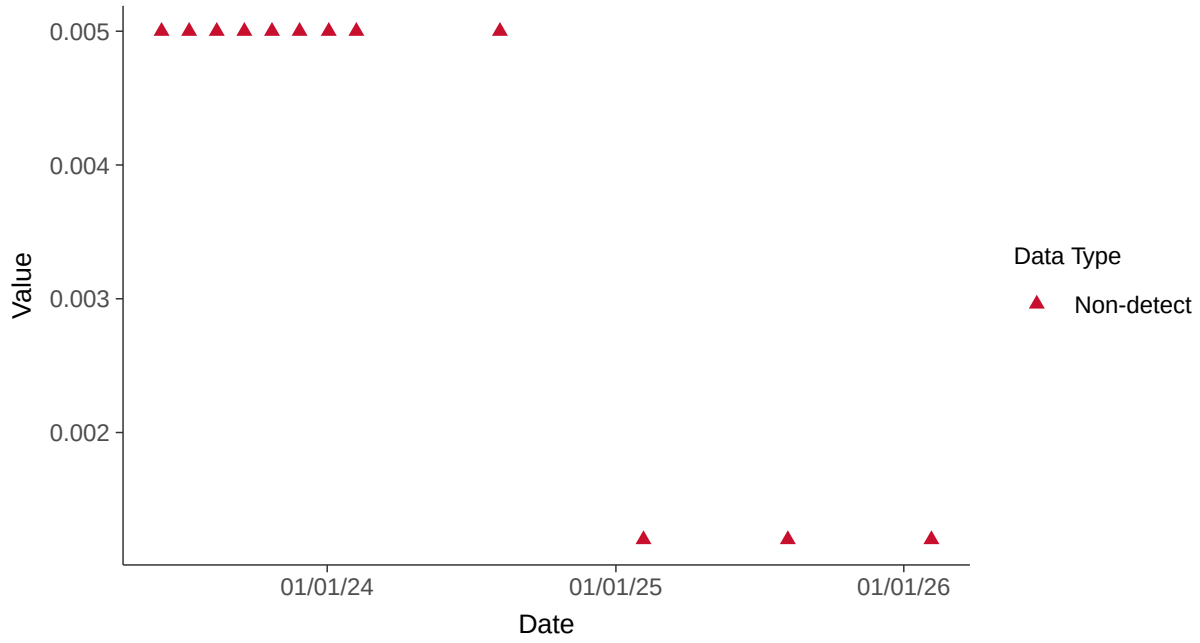


Appendix IV: Chromium, MW-100B

ID: 33_3_109

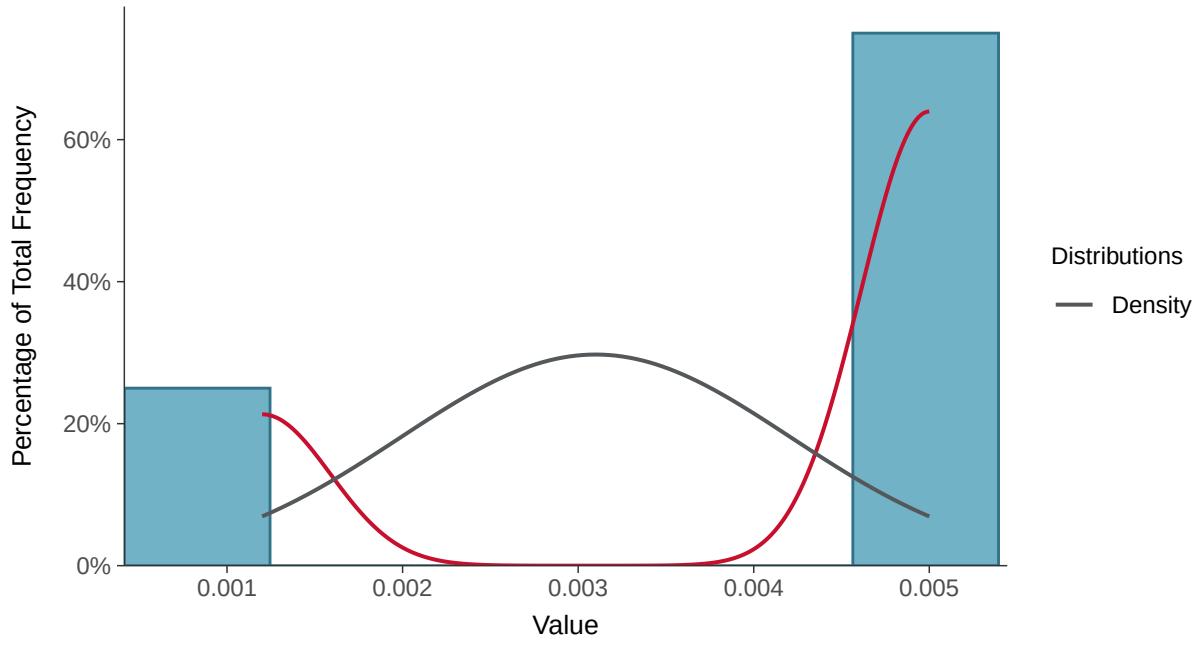
Scatter Plot

Chromium, MW-100B (mg/l)



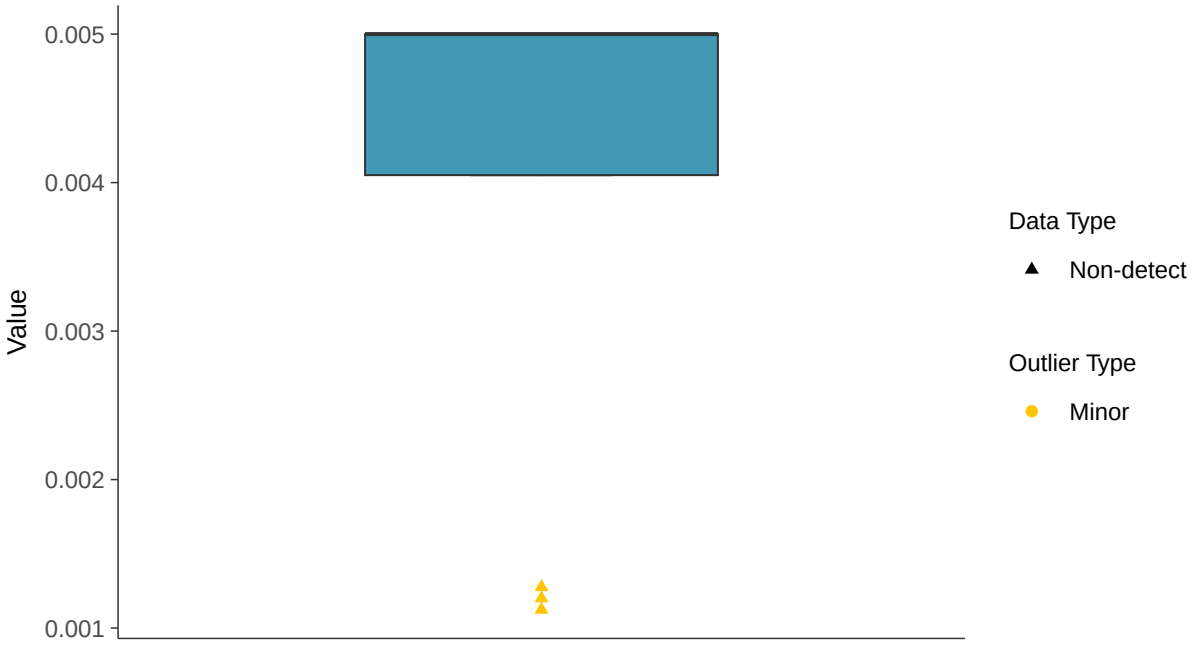
Histogram

Chromium, MW-100B (mg/l)



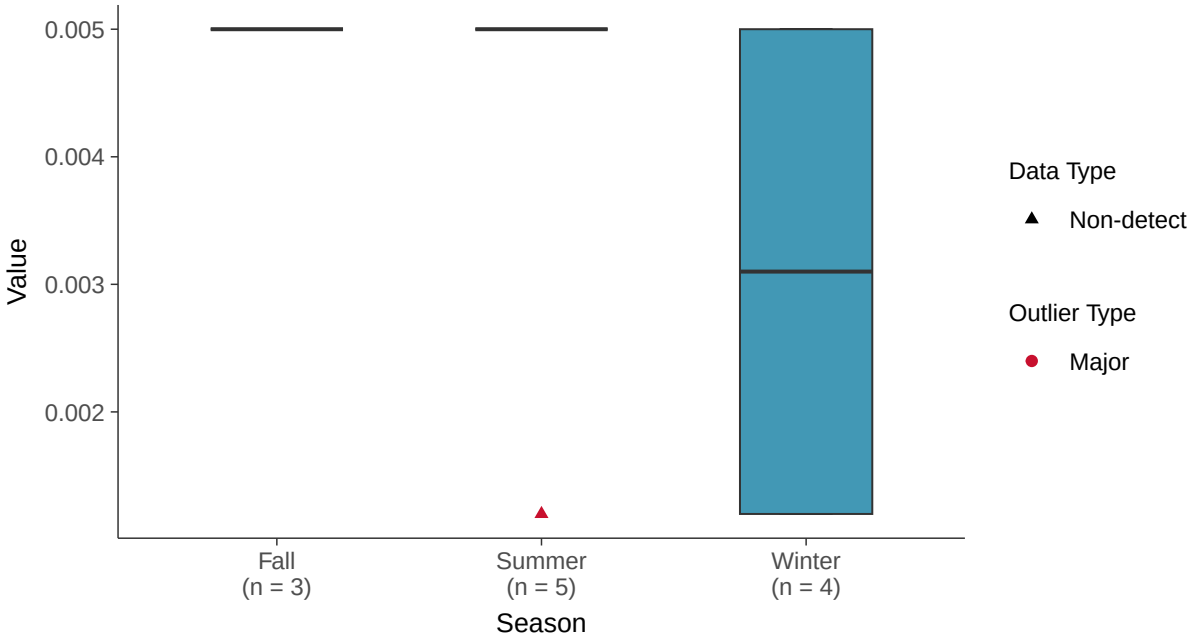
Boxplot

Chromium, MW-100B (mg/l)



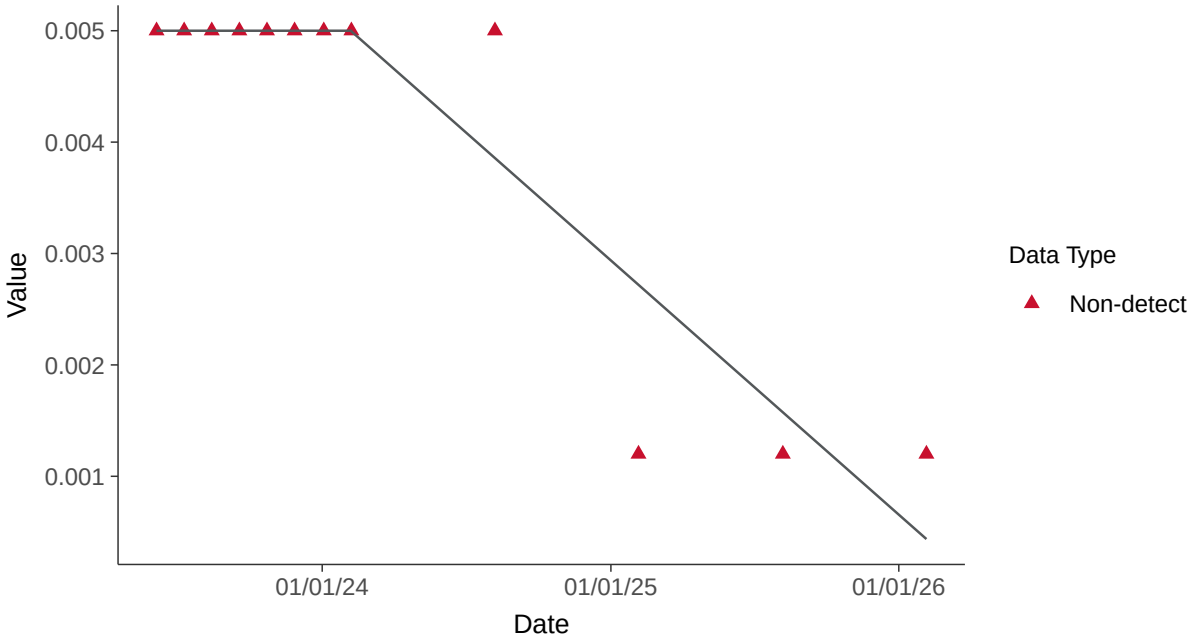
Boxplot by Season

Chromium, MW-100B (mg/l)



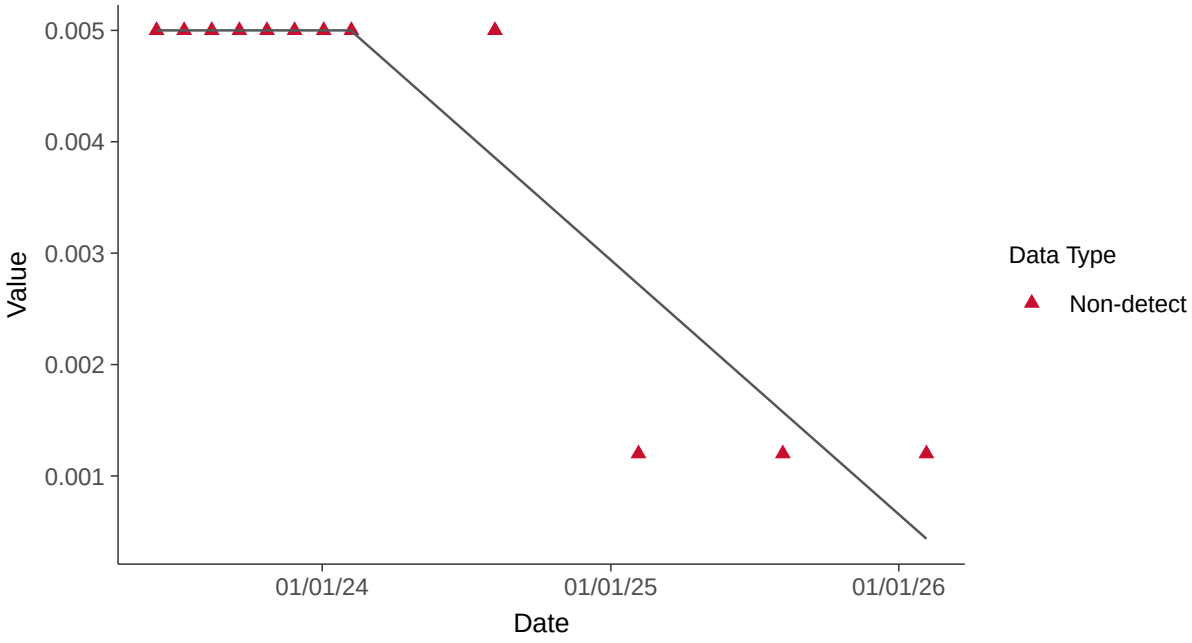
Trend Regression: Piecewise Linear-Linear

Chromium, MW-100B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Chromium, MW-100B (mg/l)

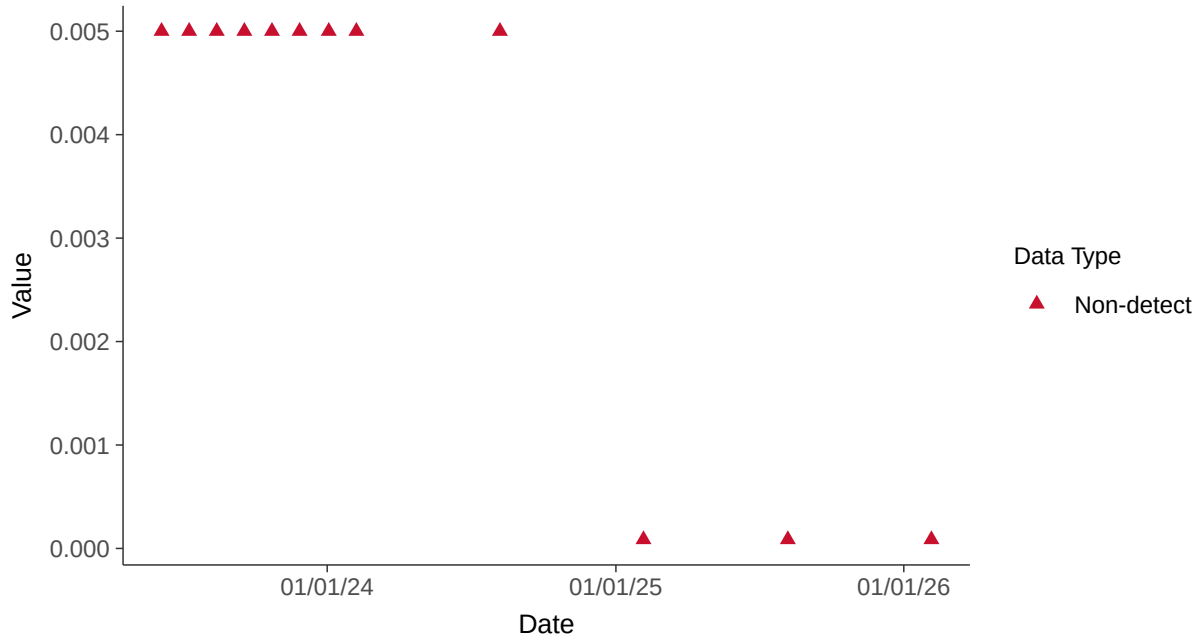


Appendix IV: Cobalt, MW-100B

ID: 33_3_110

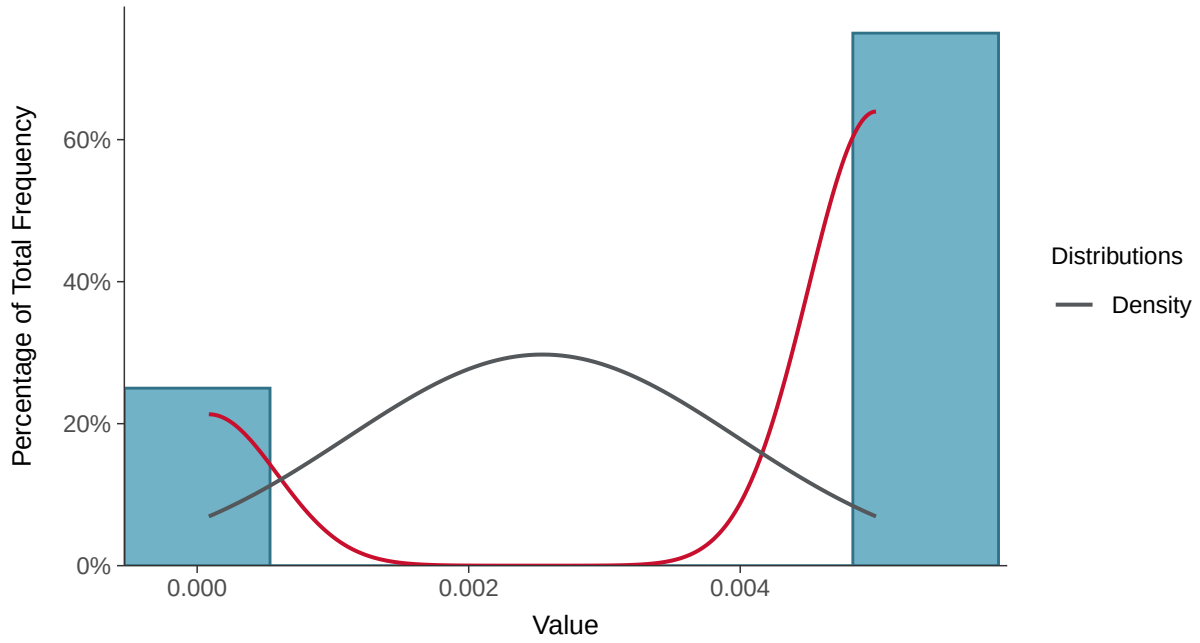
Scatter Plot

Cobalt, MW-100B (mg/l)



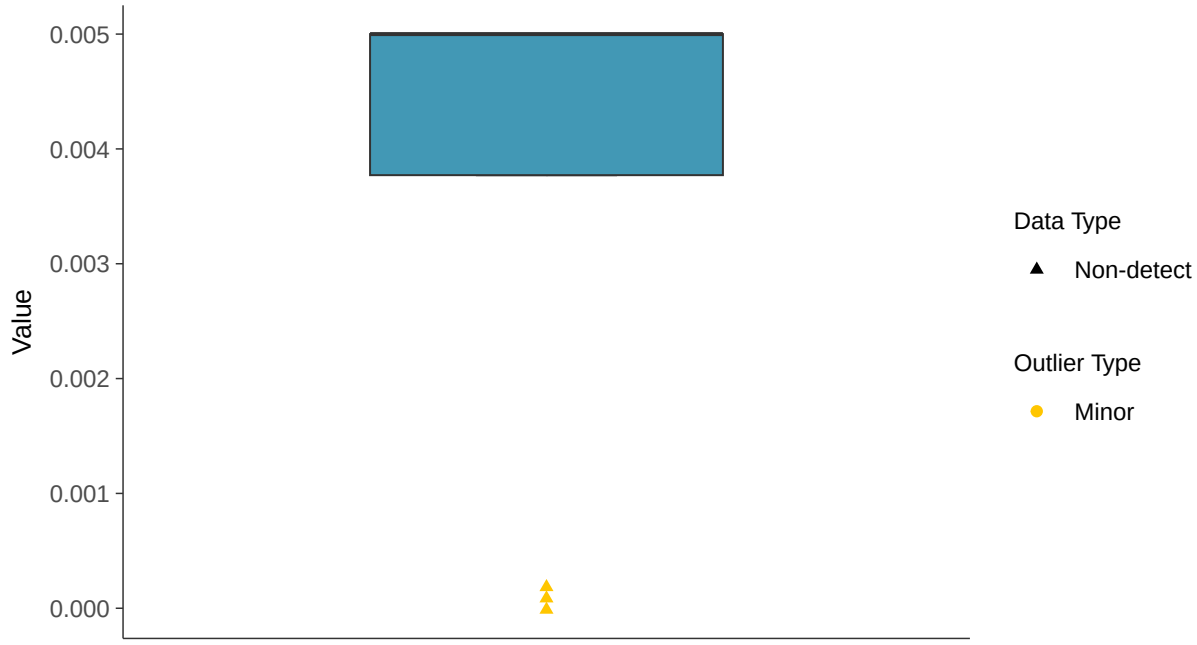
Histogram

Cobalt, MW-100B (mg/l)



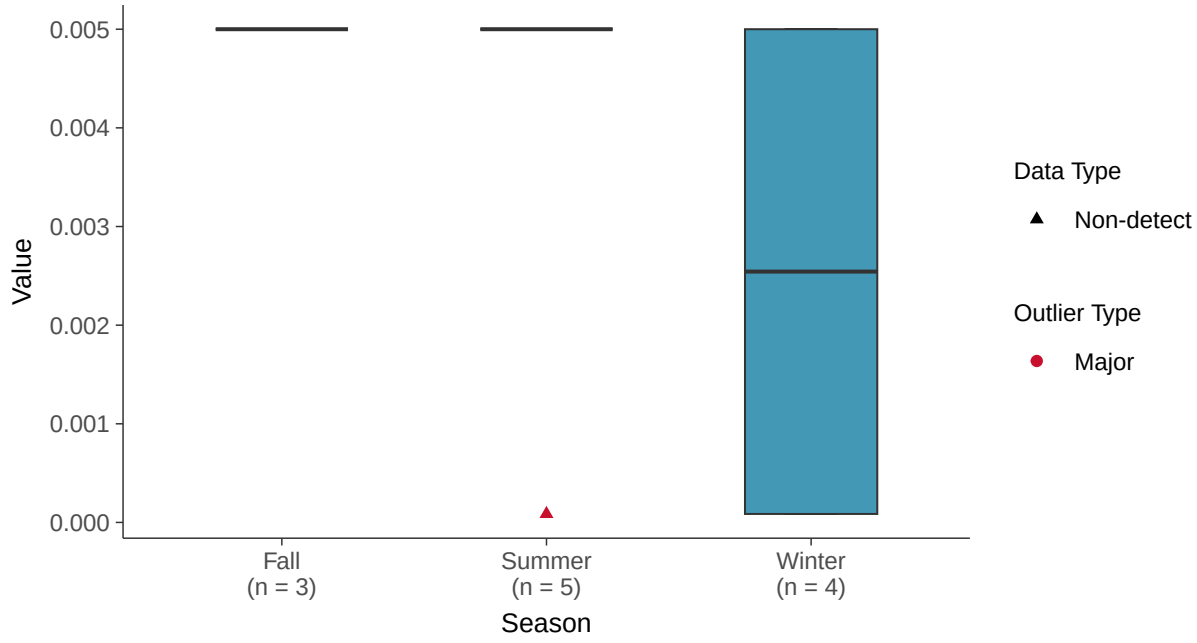
Boxplot

Cobalt, MW-100B (mg/l)



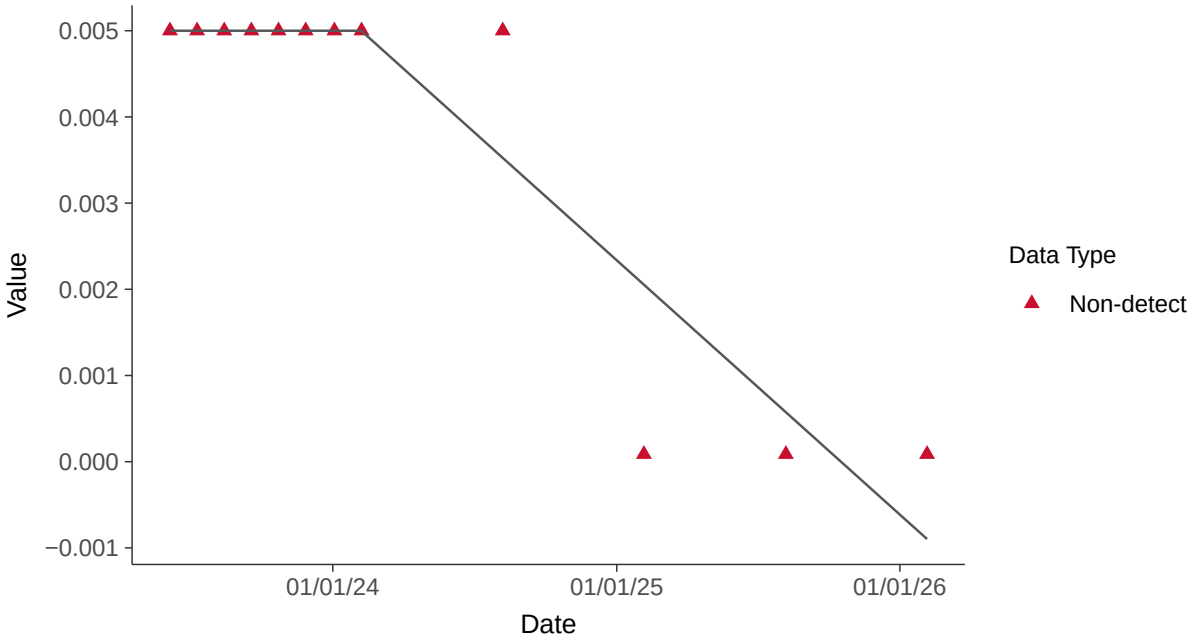
Boxplot by Season

Cobalt, MW-100B (mg/l)



Trend Regression: Piecewise Linear-Linear

Cobalt, MW-100B (mg/l)

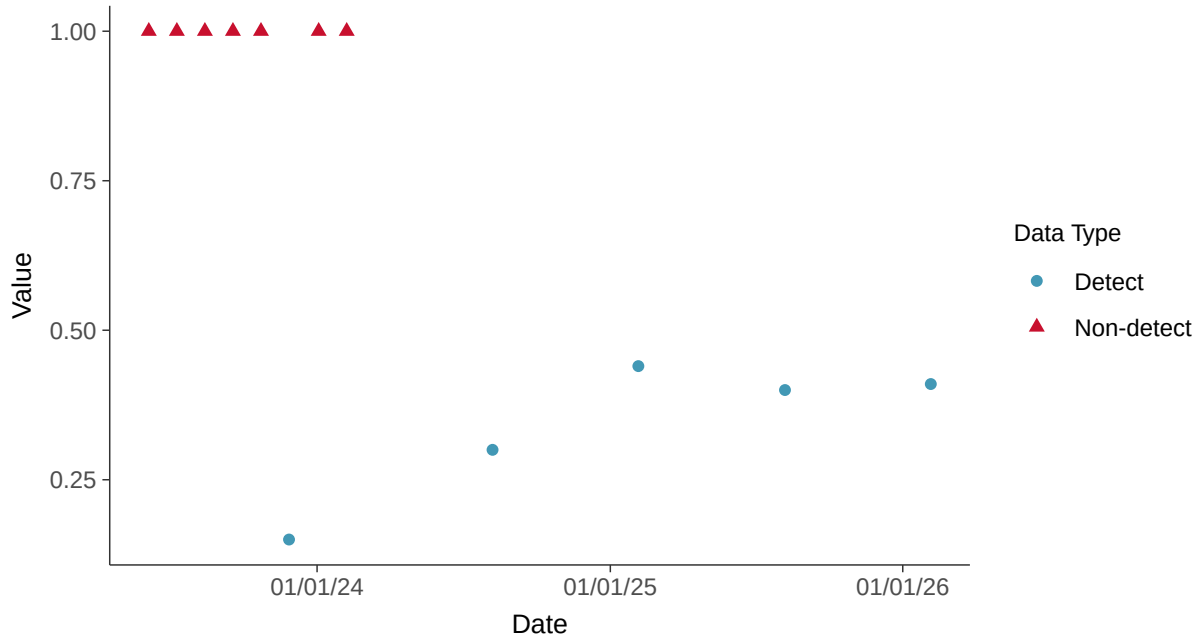


Appendix IV: Fluoride (App IV), MW-100B

ID: 33_3_113

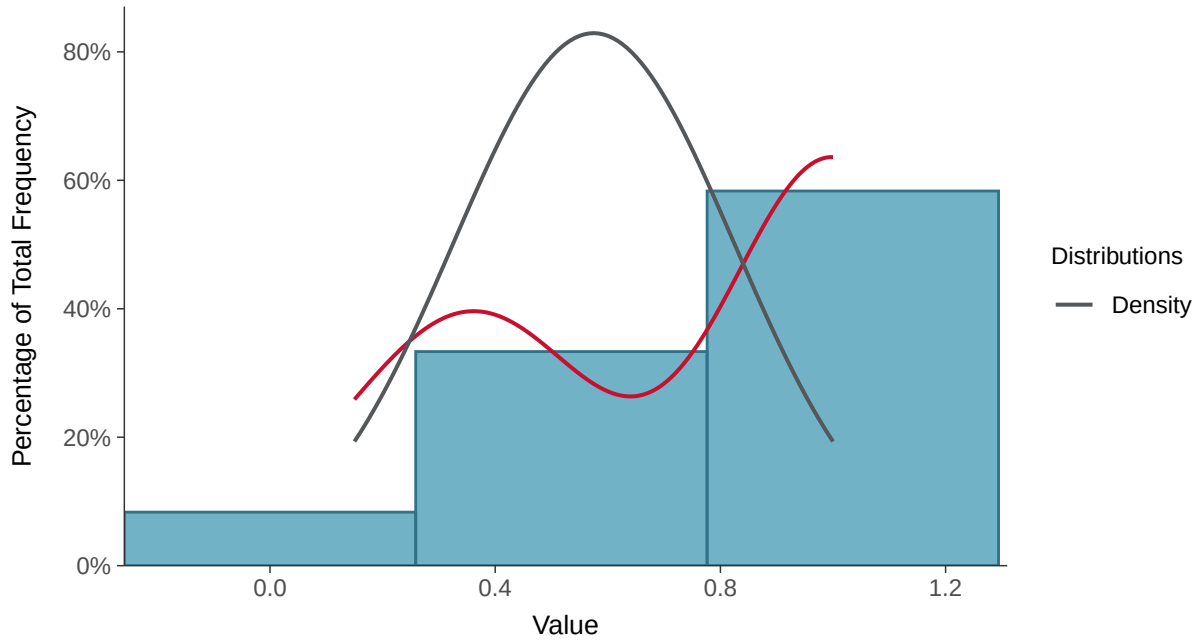
Scatter Plot

Fluoride (App IV), MW-100B (mg/l)



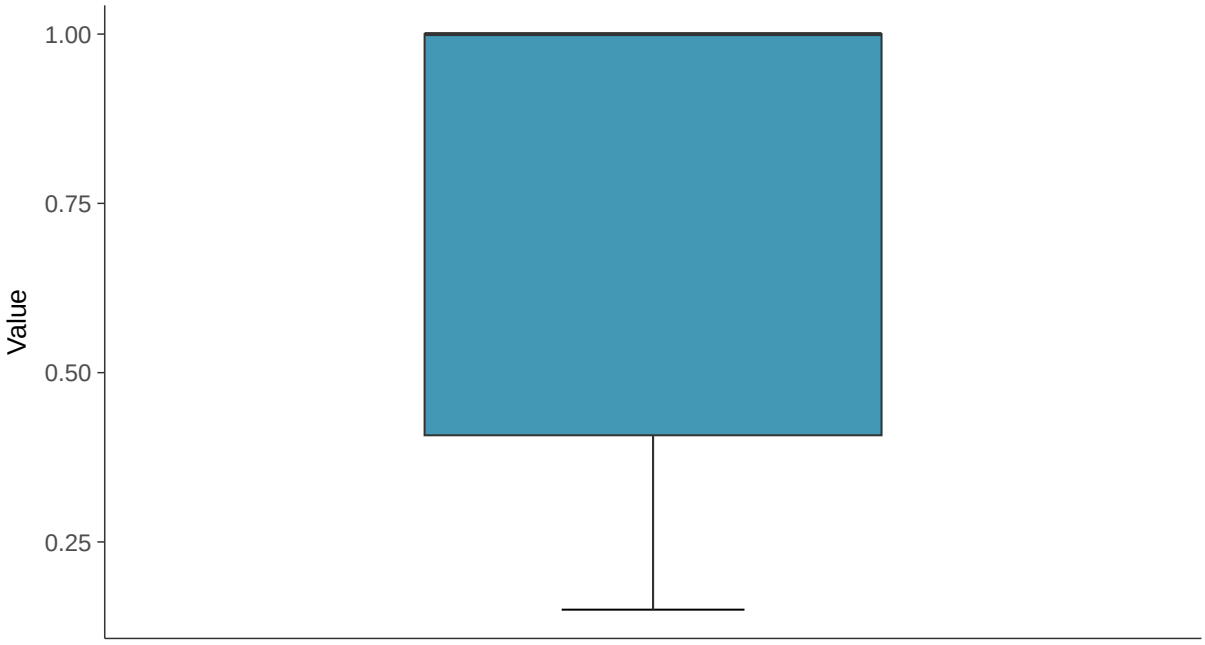
Histogram

Fluoride (App IV), MW-100B (mg/l)



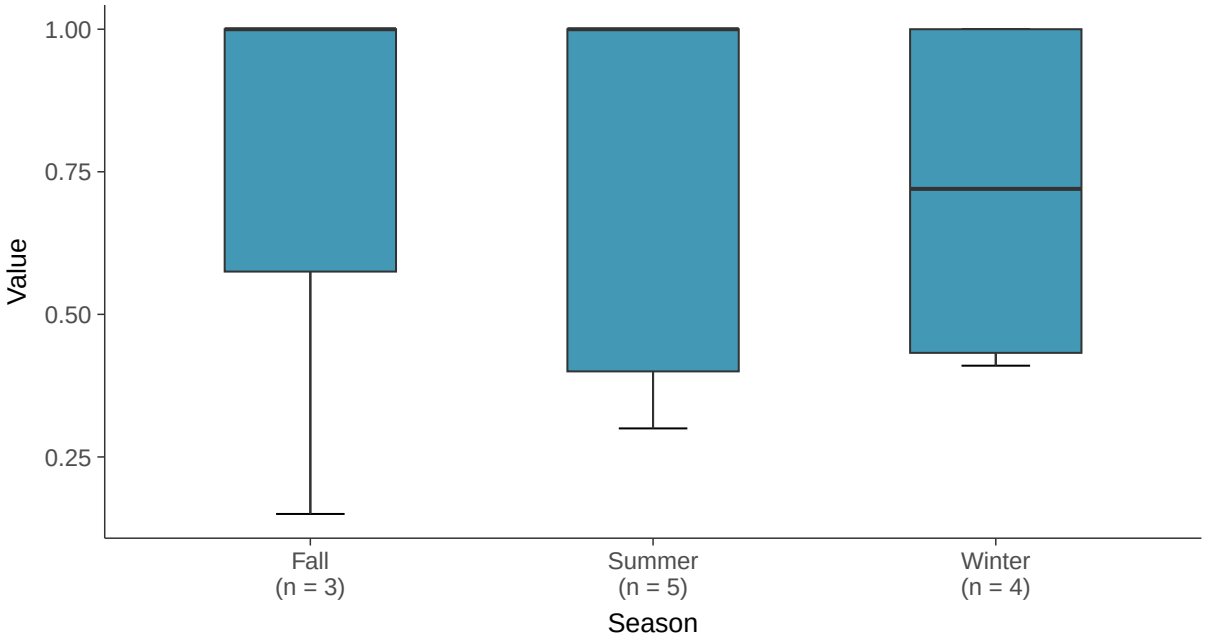
Boxplot

Fluoride (App IV), MW-100B (mg/l)



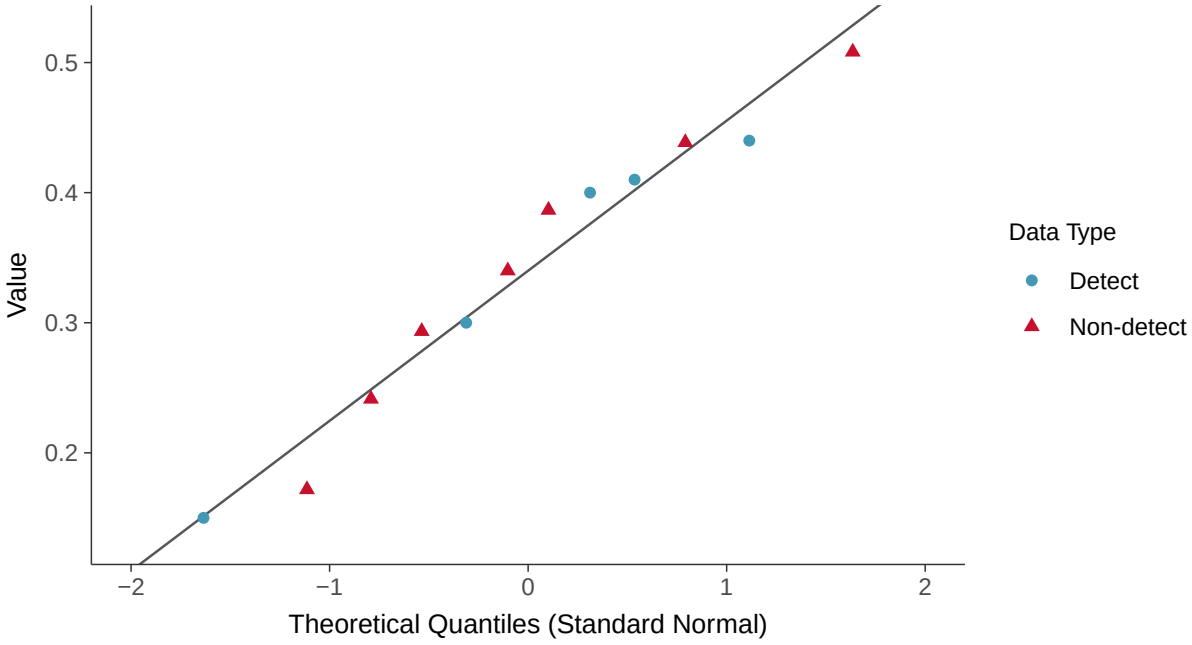
Boxplot by Season

Fluoride (App IV), MW-100B (mg/l)



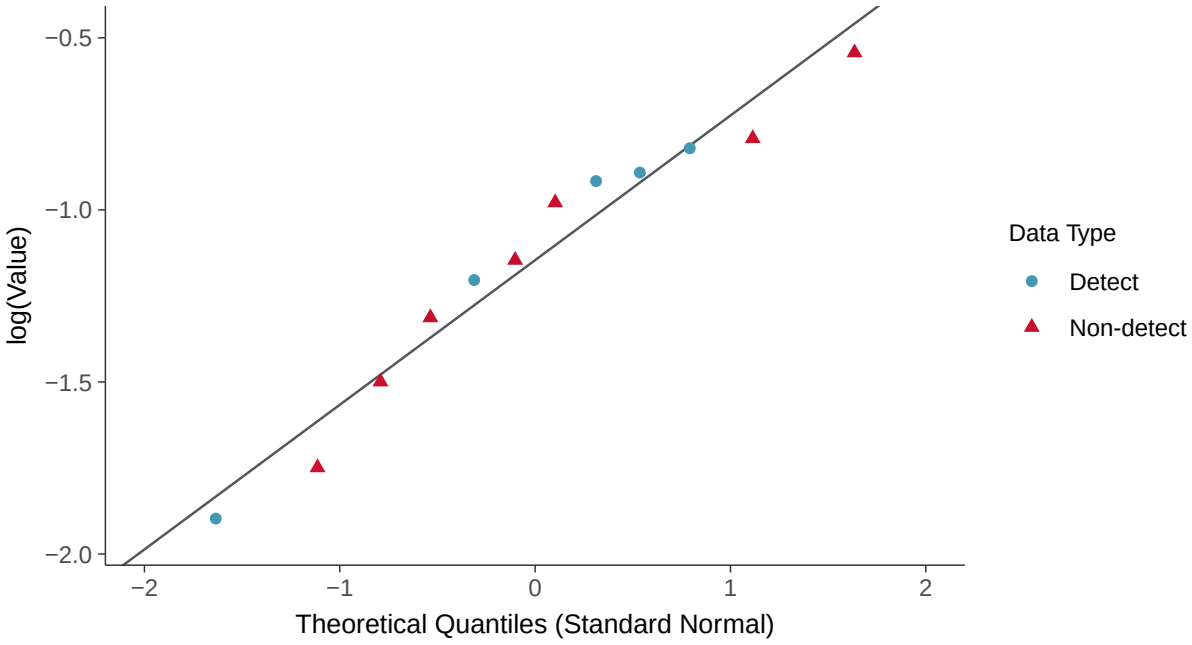
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-100B (mg/l)



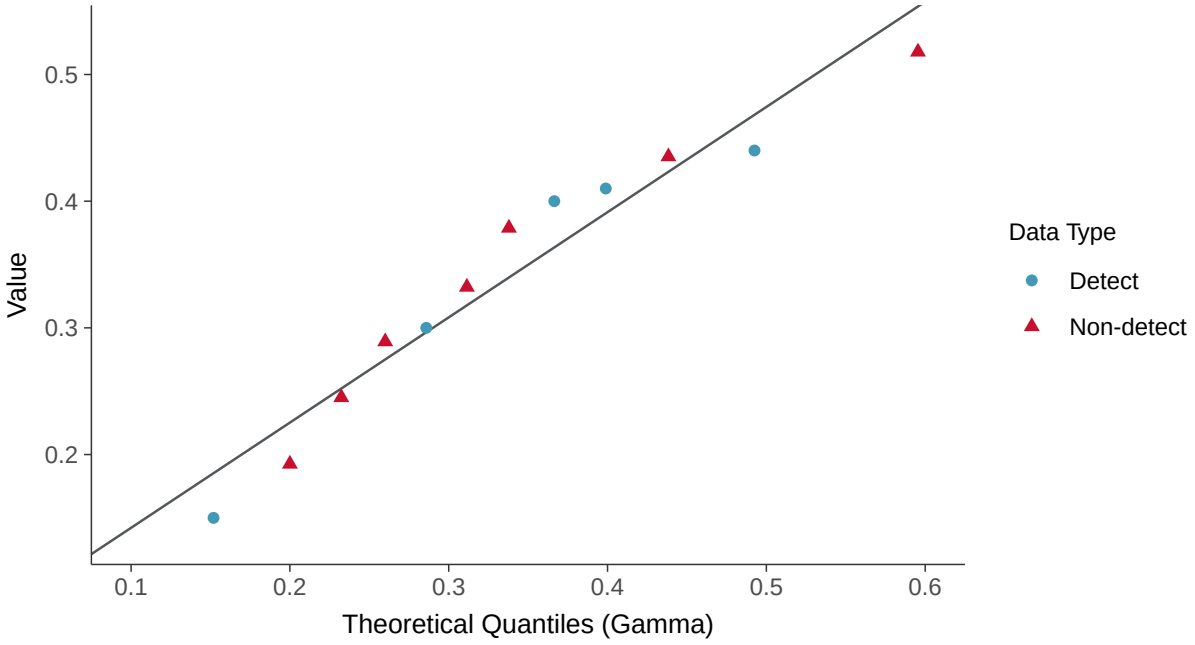
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-100B (mg/l)



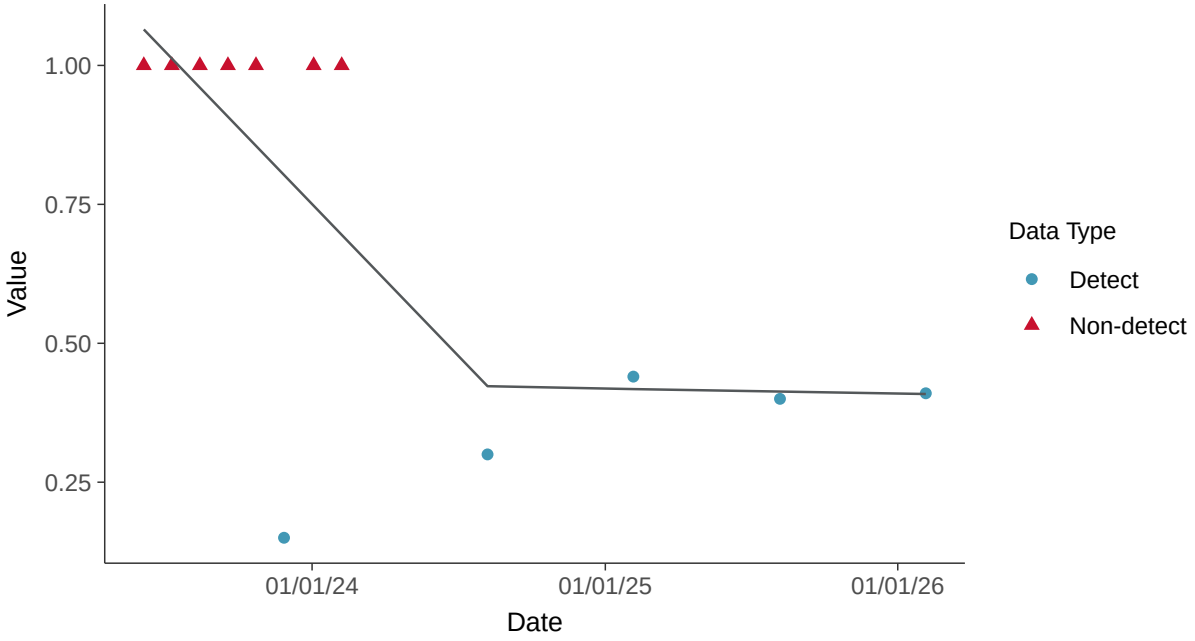
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-100B (mg/l)



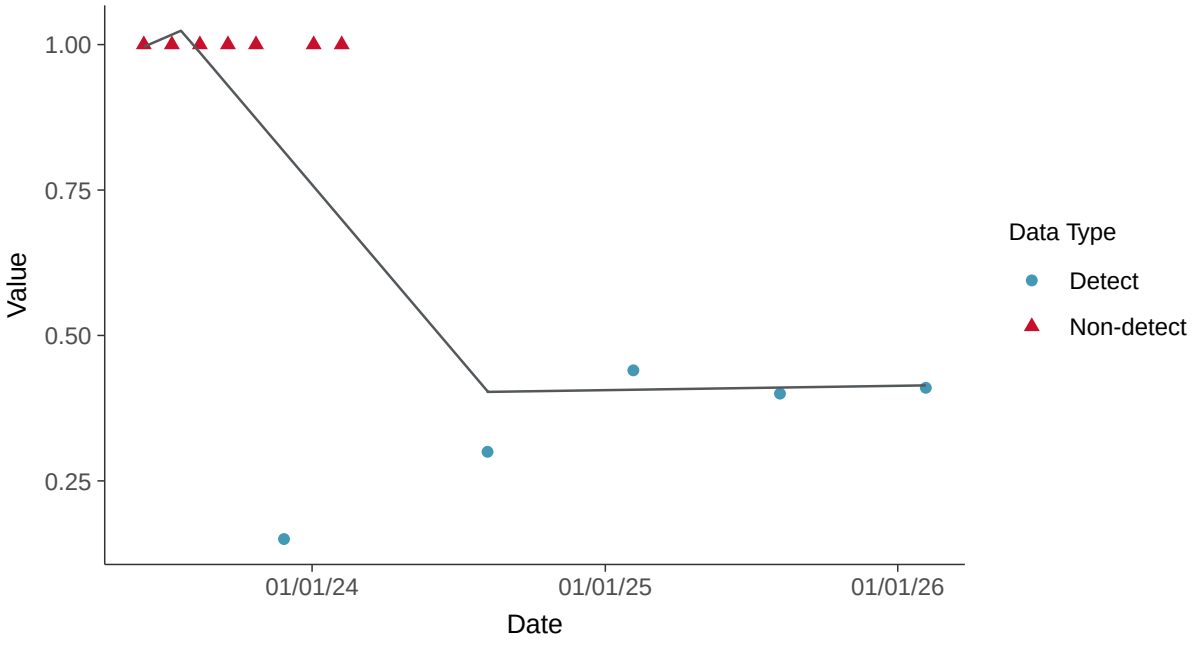
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-100B (mg/l)



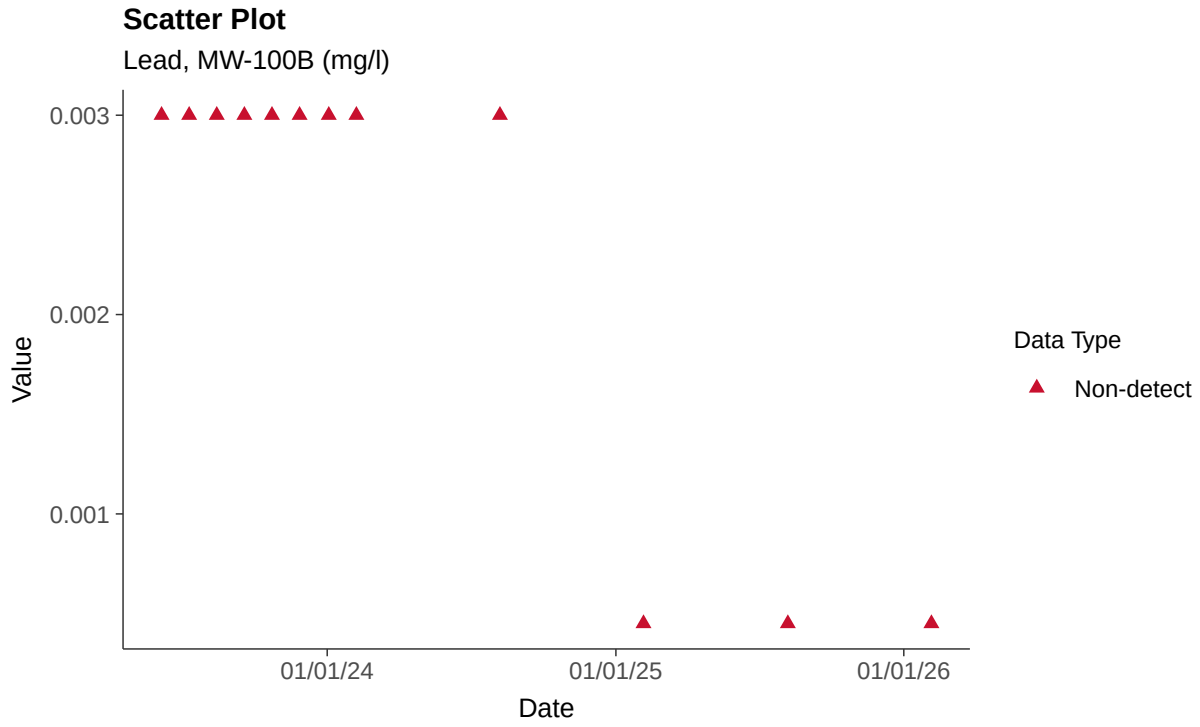
Trend Regression: Piecewise Linear-Linear-Linear

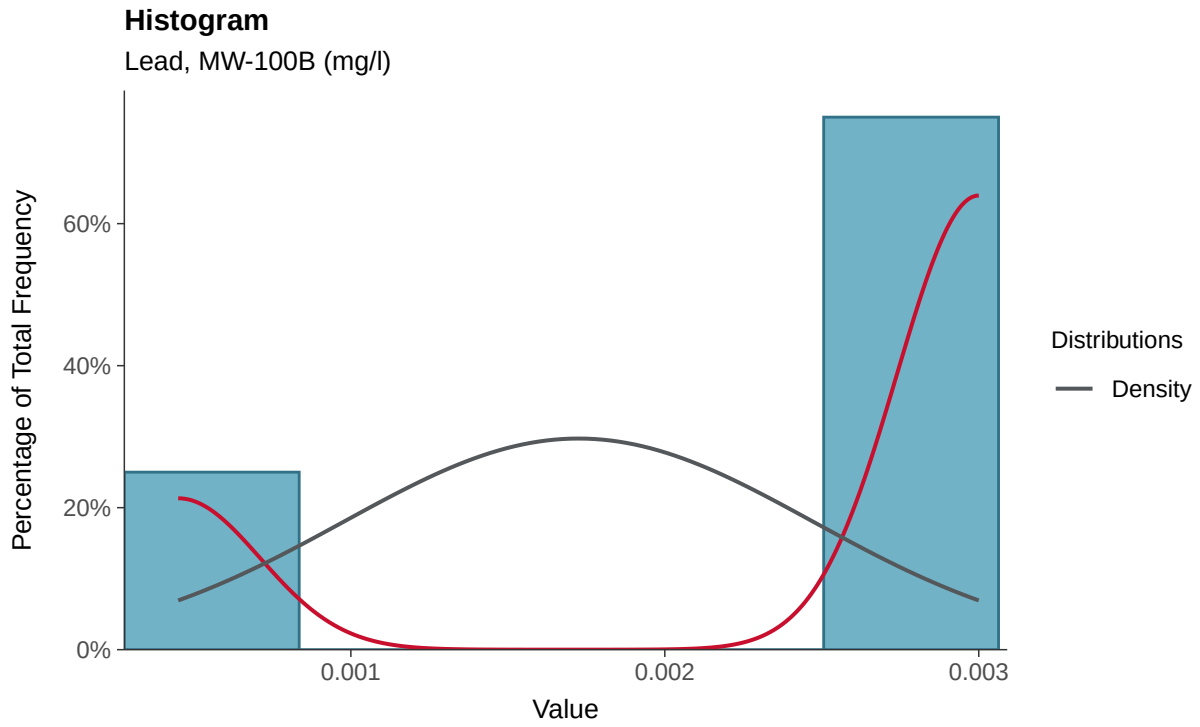
Fluoride (App IV), MW-100B (mg/l)



Appendix IV: Lead, MW-100B

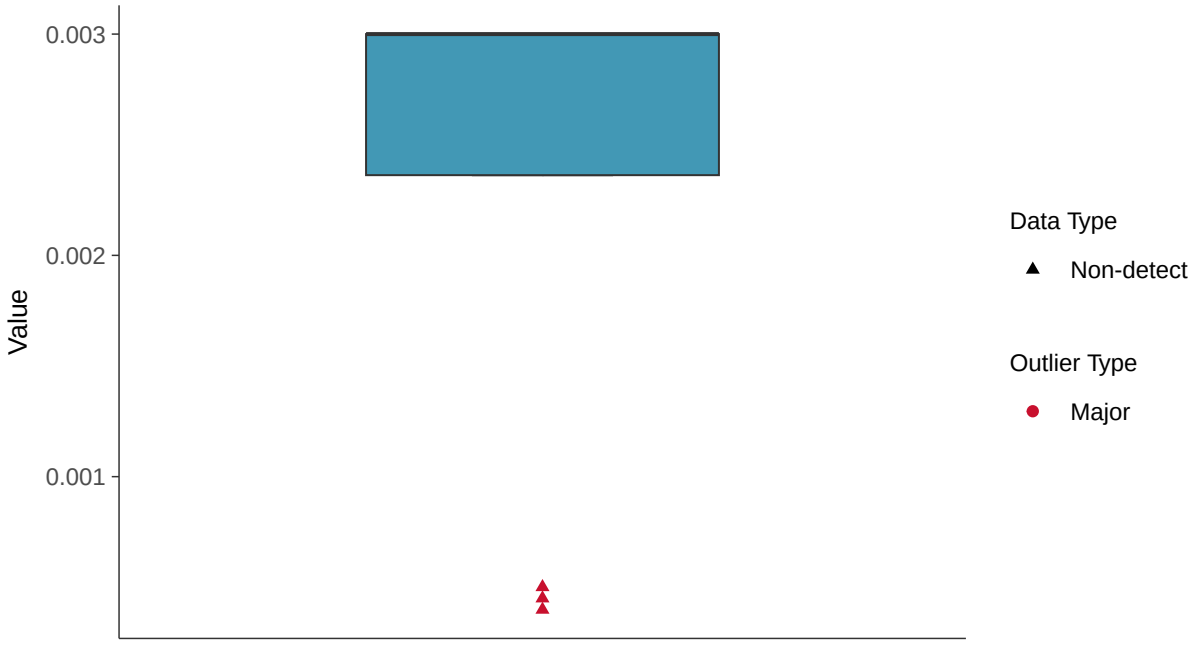
ID: 33_3_115





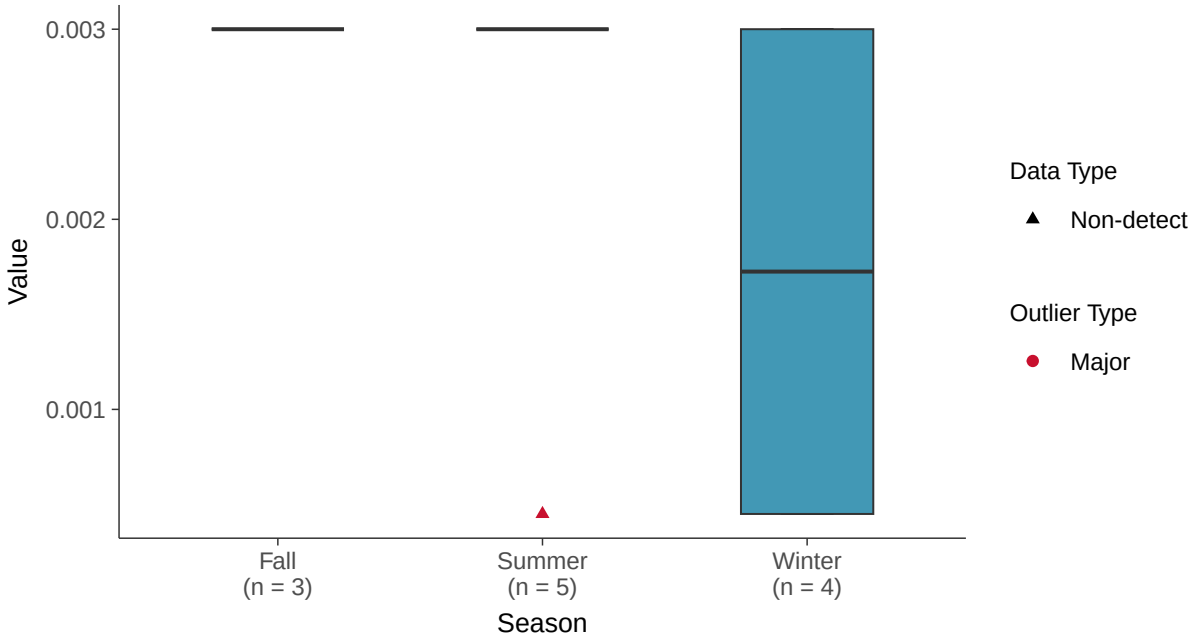
Boxplot

Lead, MW-100B (mg/l)



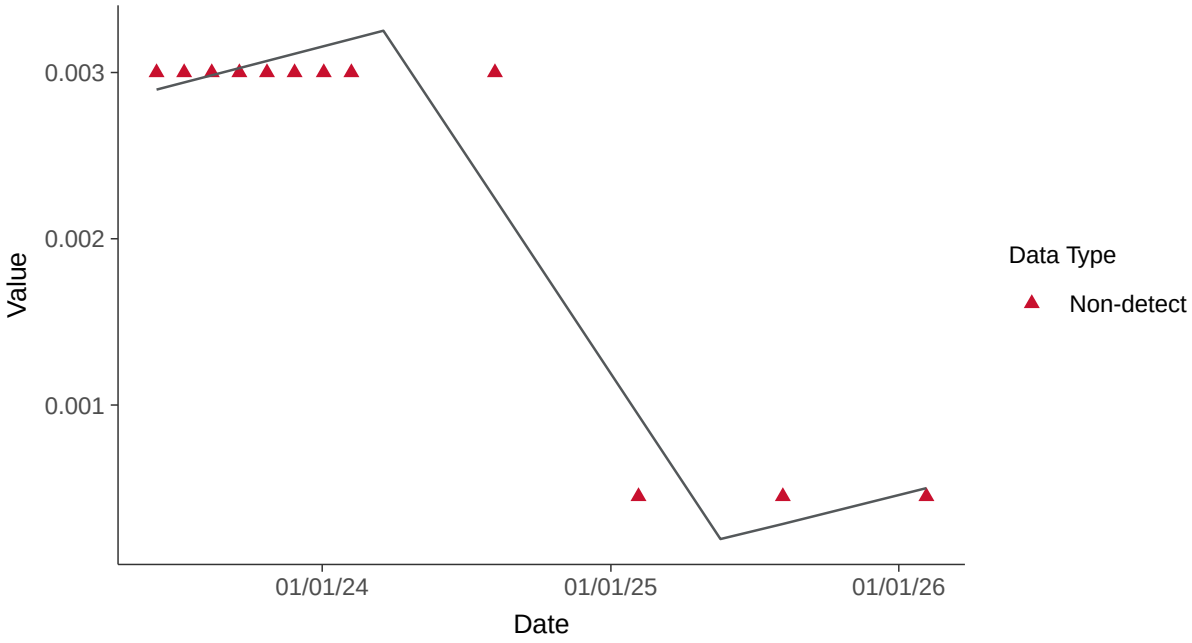
Boxplot by Season

Lead, MW-100B (mg/l)



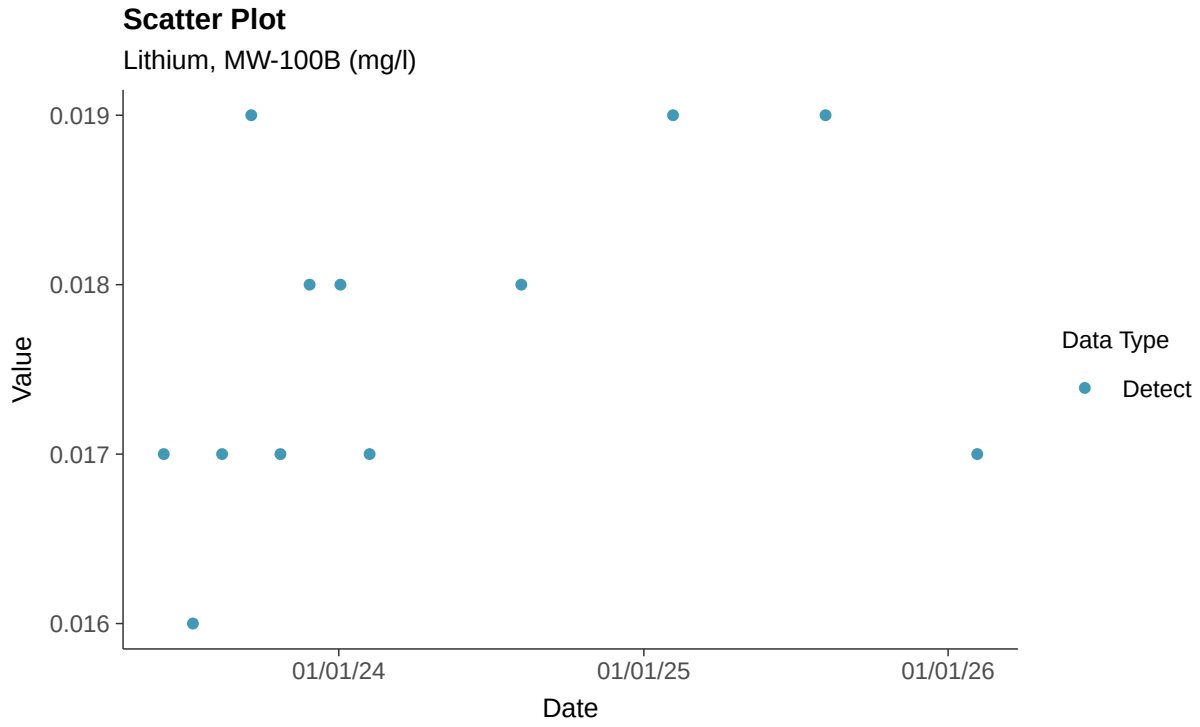
Trend Regression: Piecewise Linear-Linear-Linear

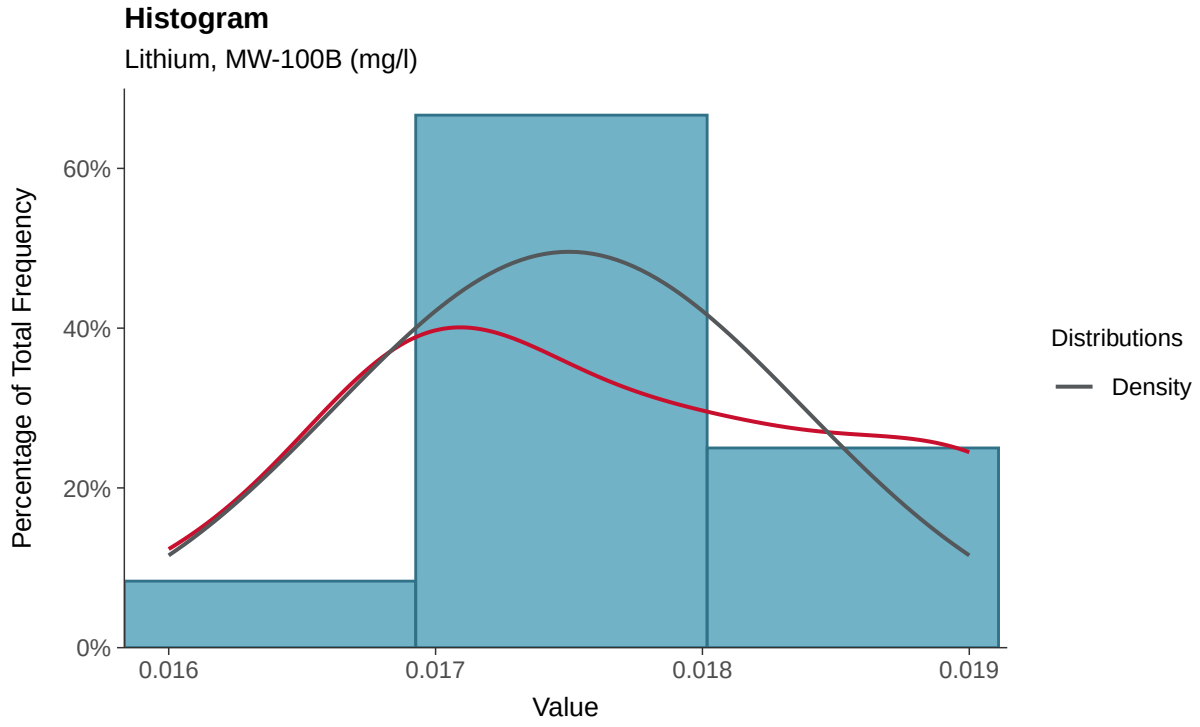
Lead, MW-100B (mg/l)



Appendix IV: Lithium, MW-100B

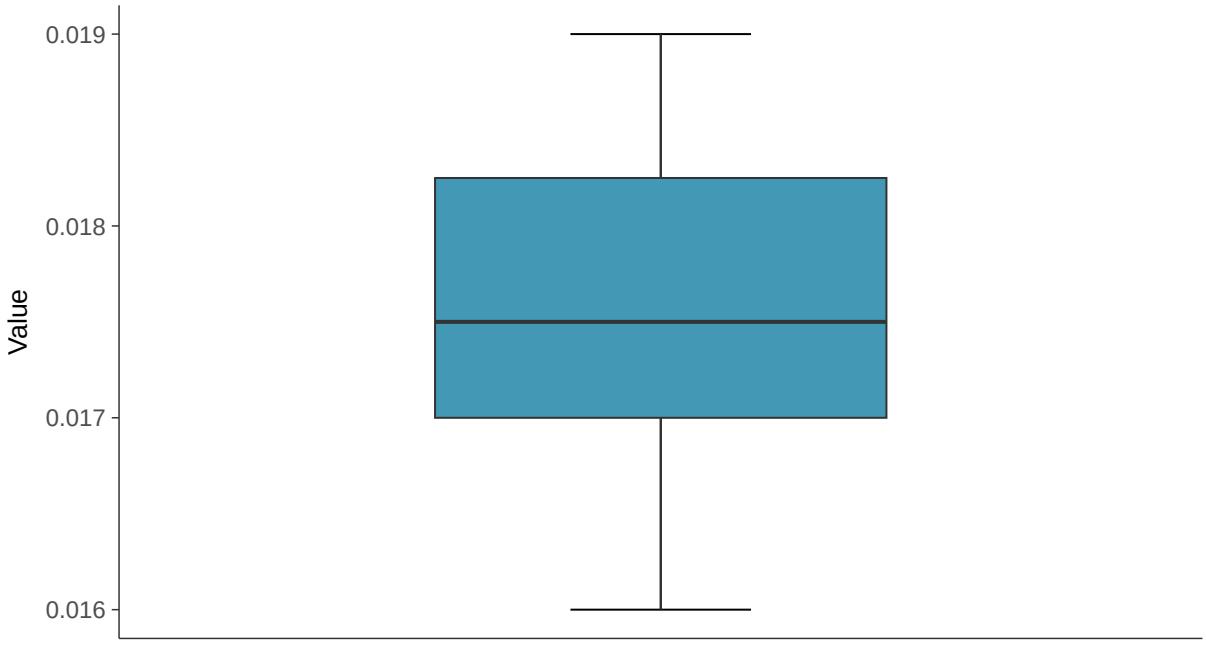
ID: 33_3_116





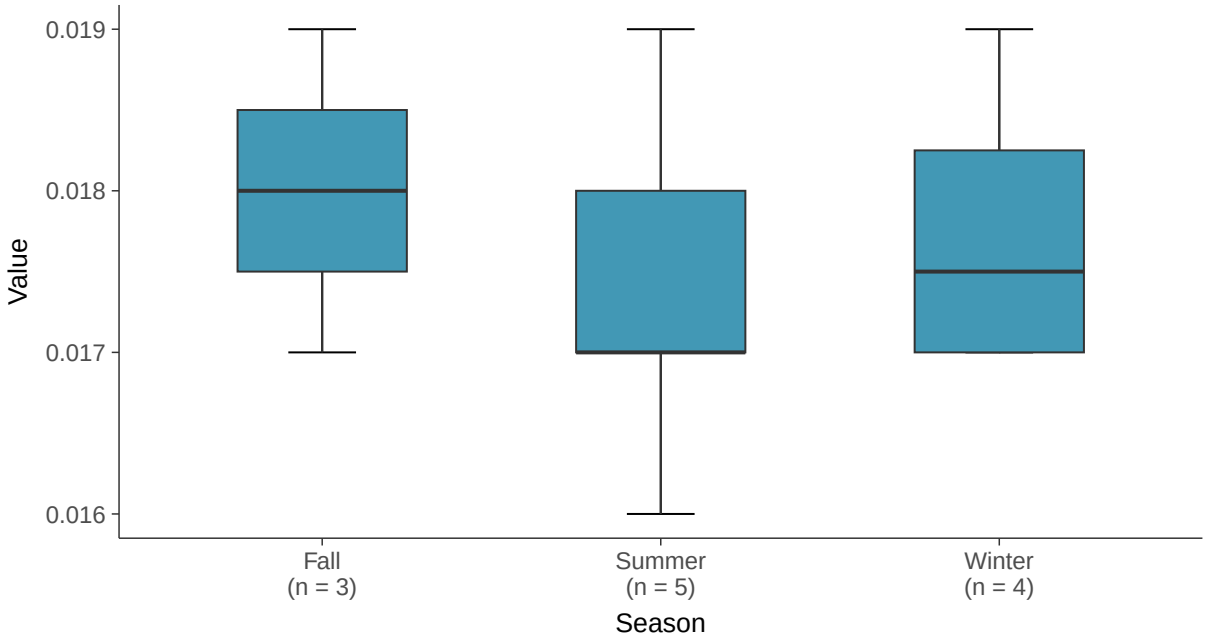
Boxplot

Lithium, MW-100B (mg/l)



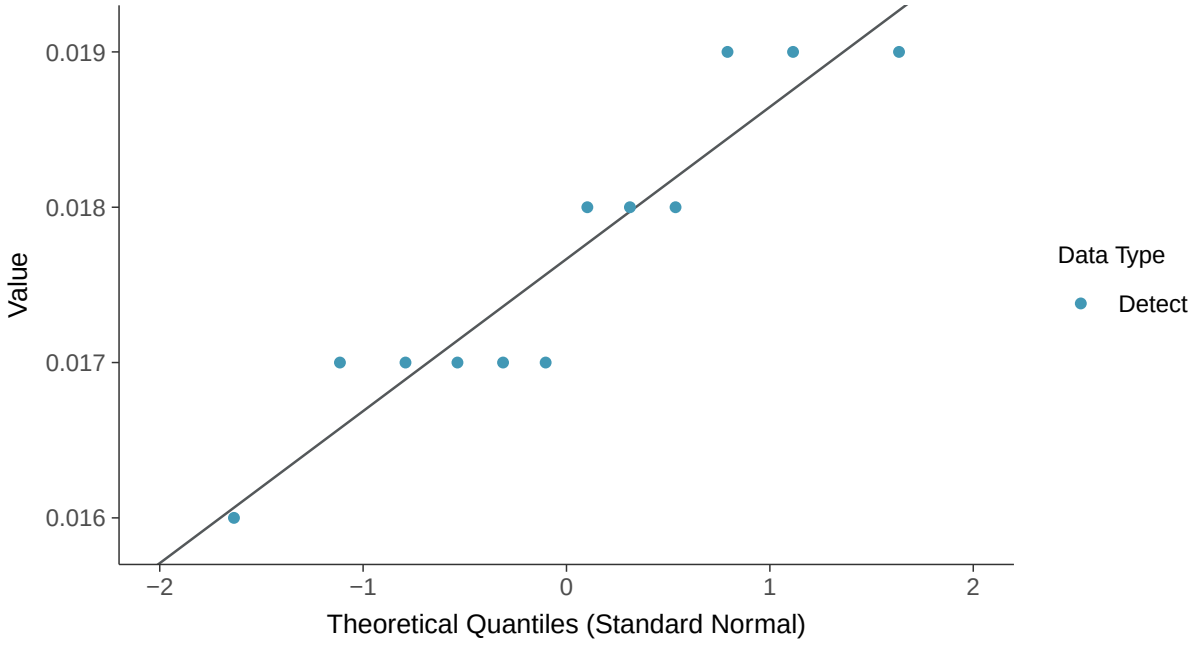
Boxplot by Season

Lithium, MW-100B (mg/l)



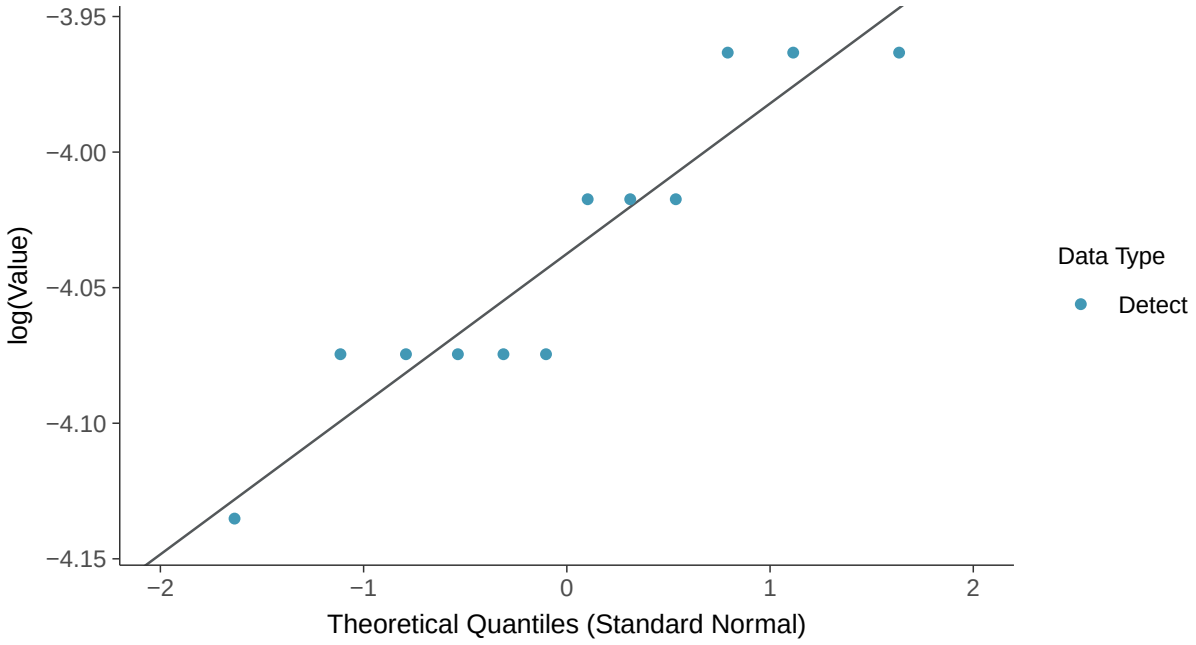
Normal Q-Q plot

Lithium, MW-100B (mg/l)



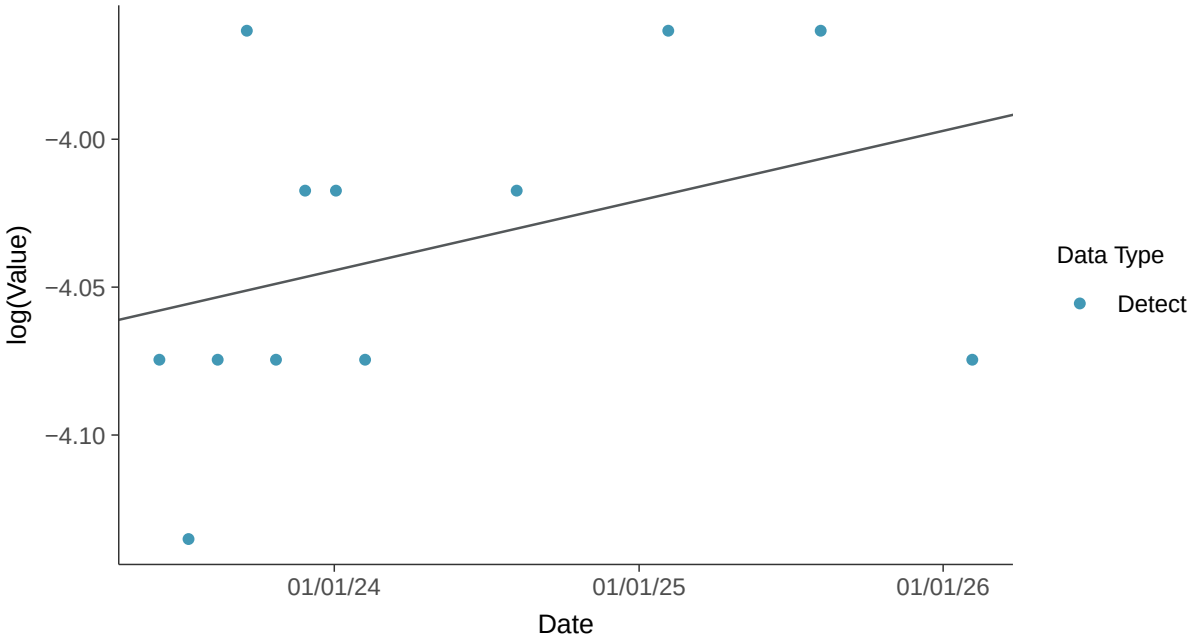
Lognormal Q-Q plot

Lithium, MW-100B (mg/l)



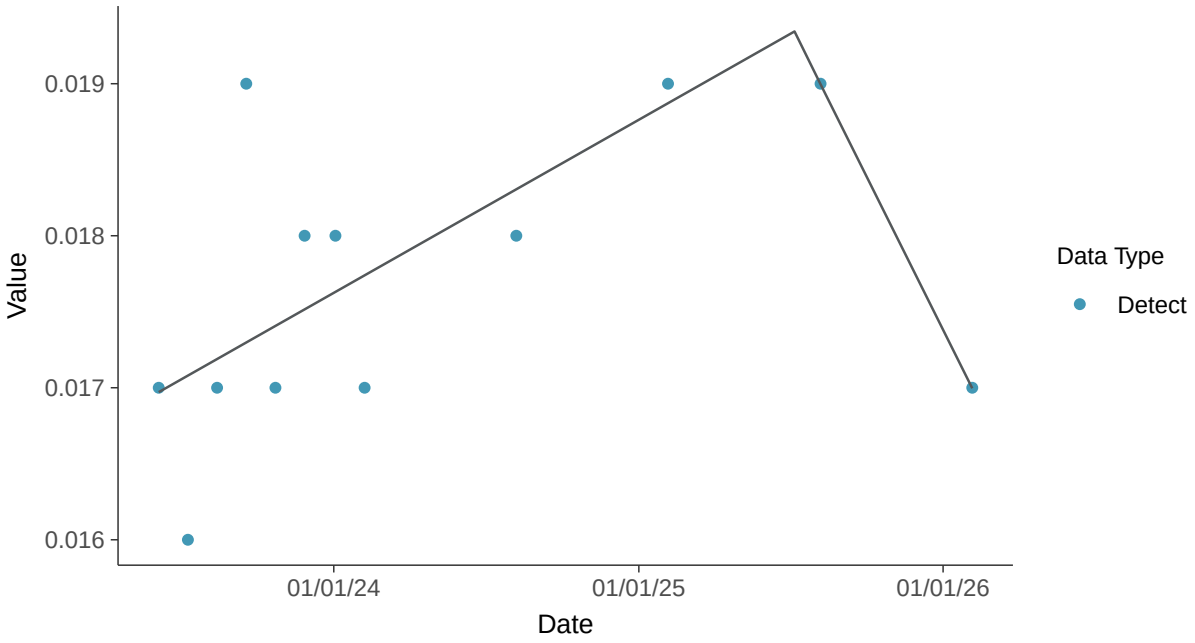
Trend Regression: Lognormal MLE

Lithium, MW-100B (mg/l)



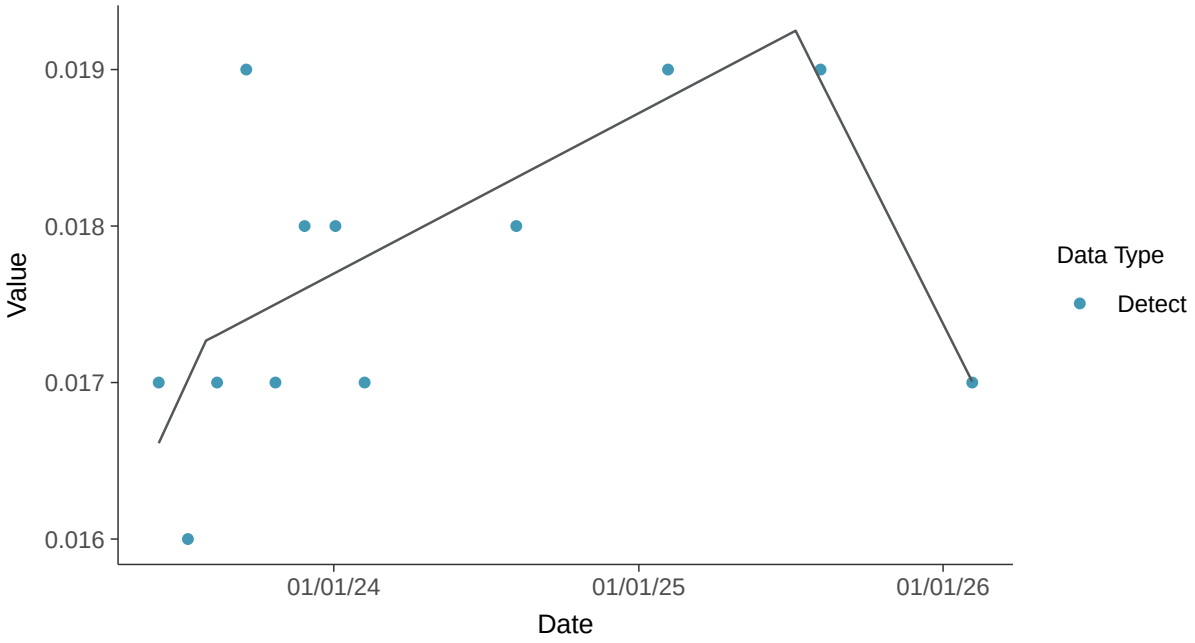
Trend Regression: Piecewise Linear-Linear

Lithium, MW-100B (mg/l)



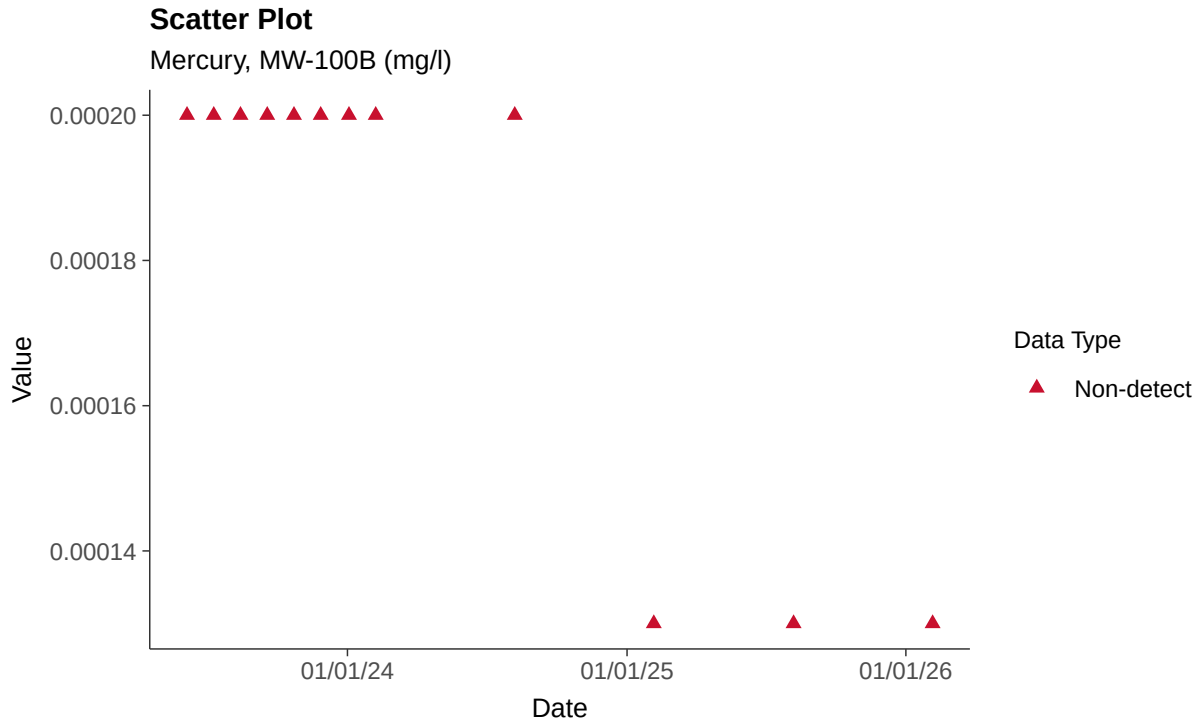
Trend Regression: Piecewise Linear-Linear-Linear

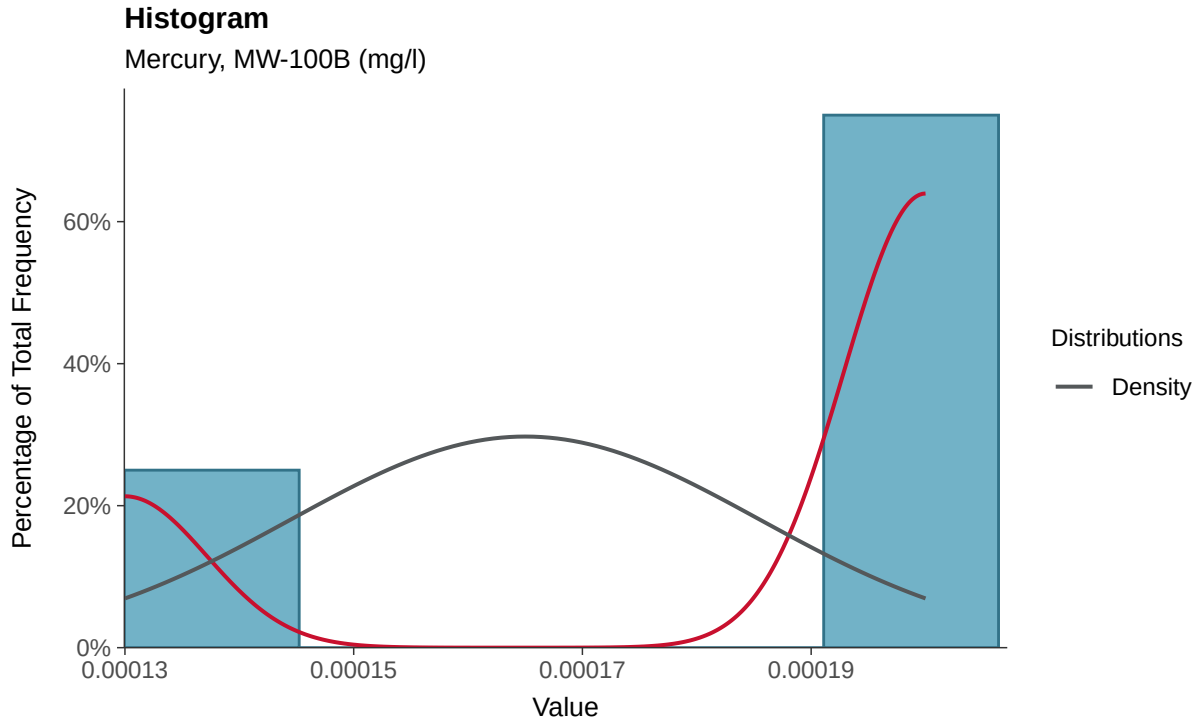
Lithium, MW-100B (mg/l)



Appendix IV: Mercury, MW-100B

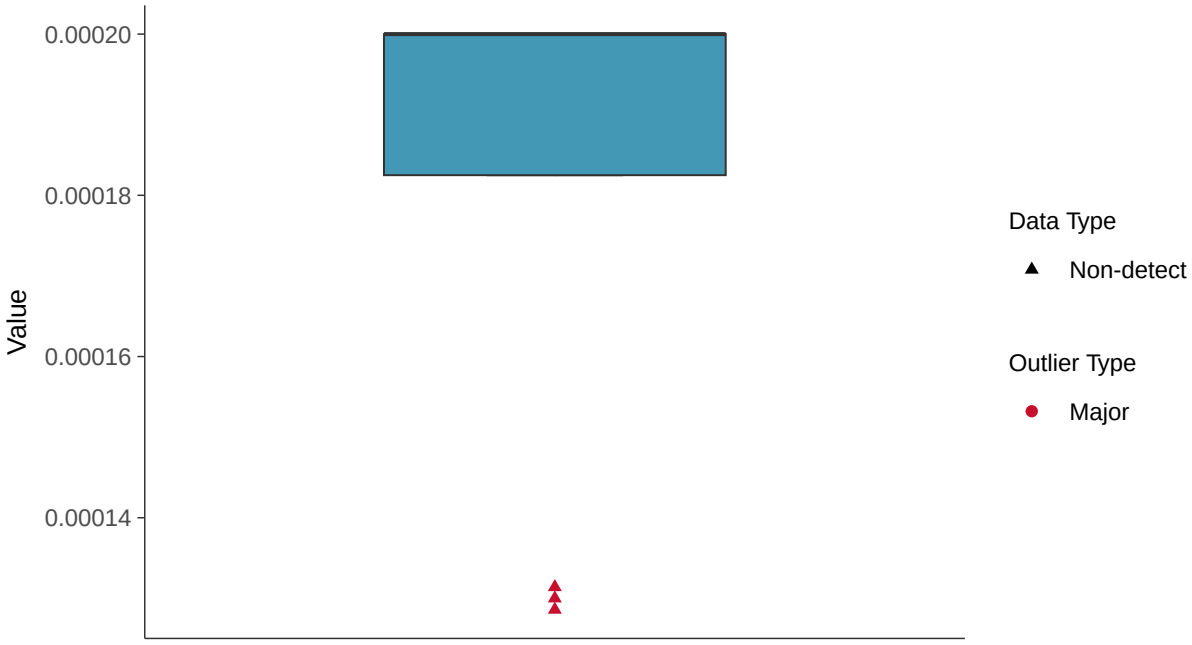
ID: 33_3_117





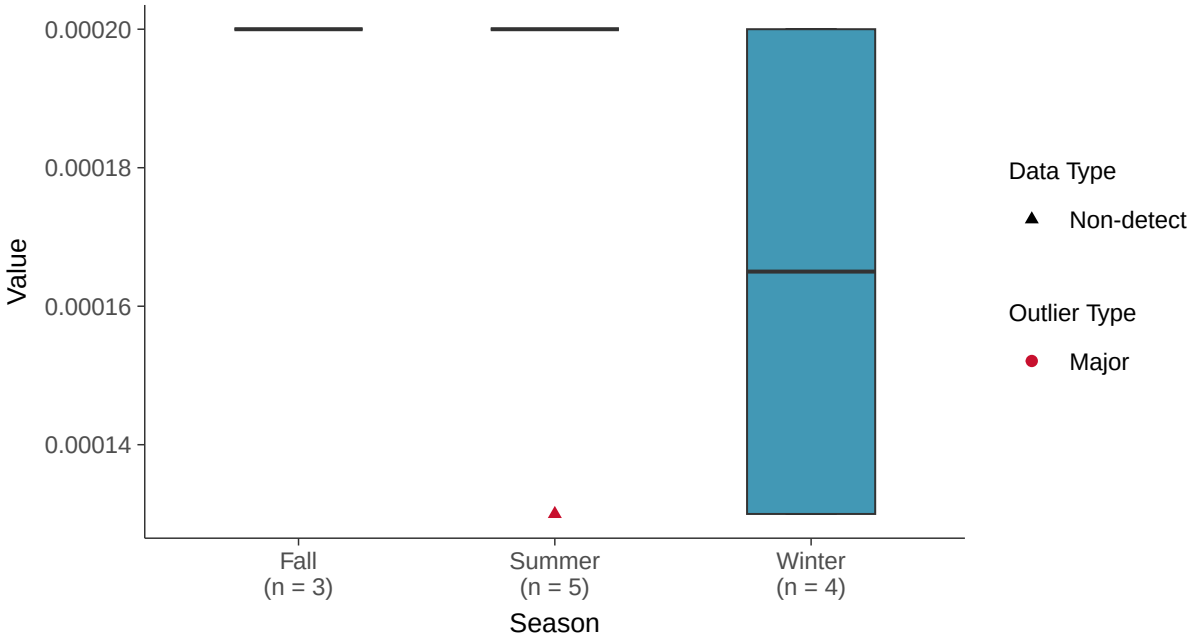
Boxplot

Mercury, MW-100B (mg/l)



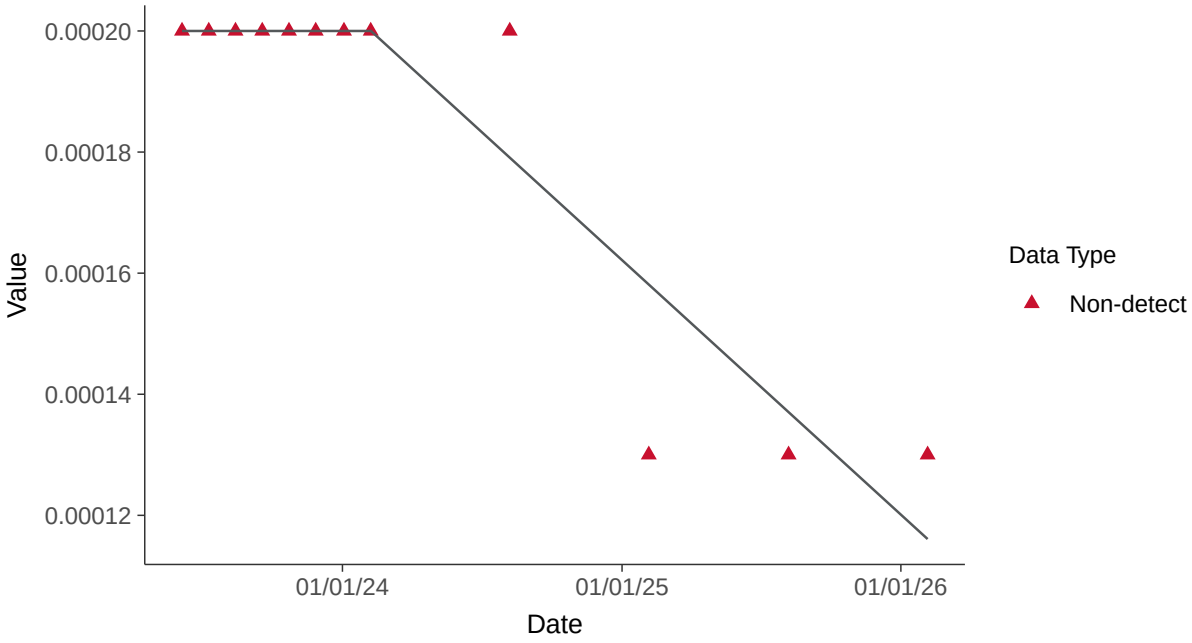
Boxplot by Season

Mercury, MW-100B (mg/l)



Trend Regression: Piecewise Linear-Linear

Mercury, MW-100B (mg/l)

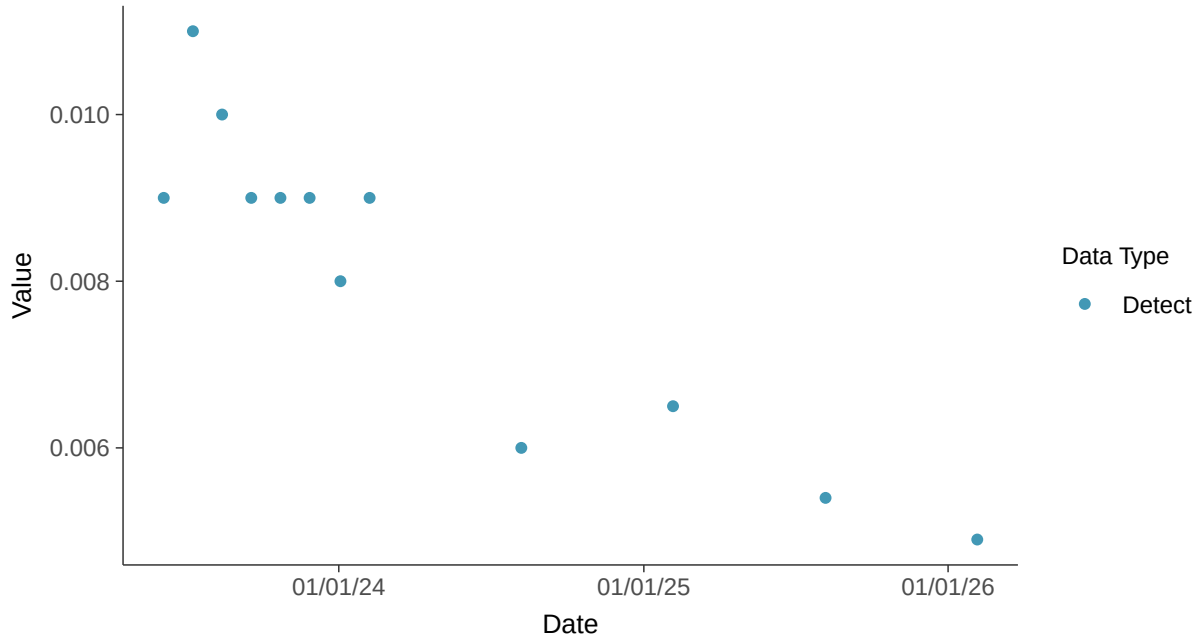


Appendix IV: Molybdenum, MW-100B

ID: 33_3_118

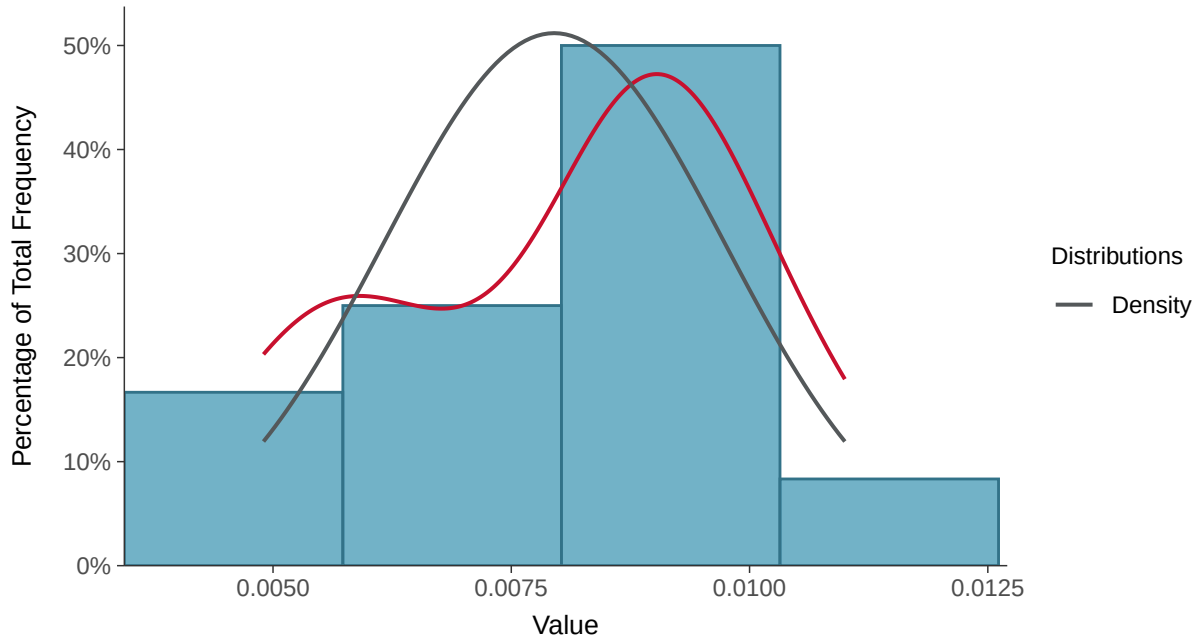
Scatter Plot

Molybdenum, MW-100B (mg/l)



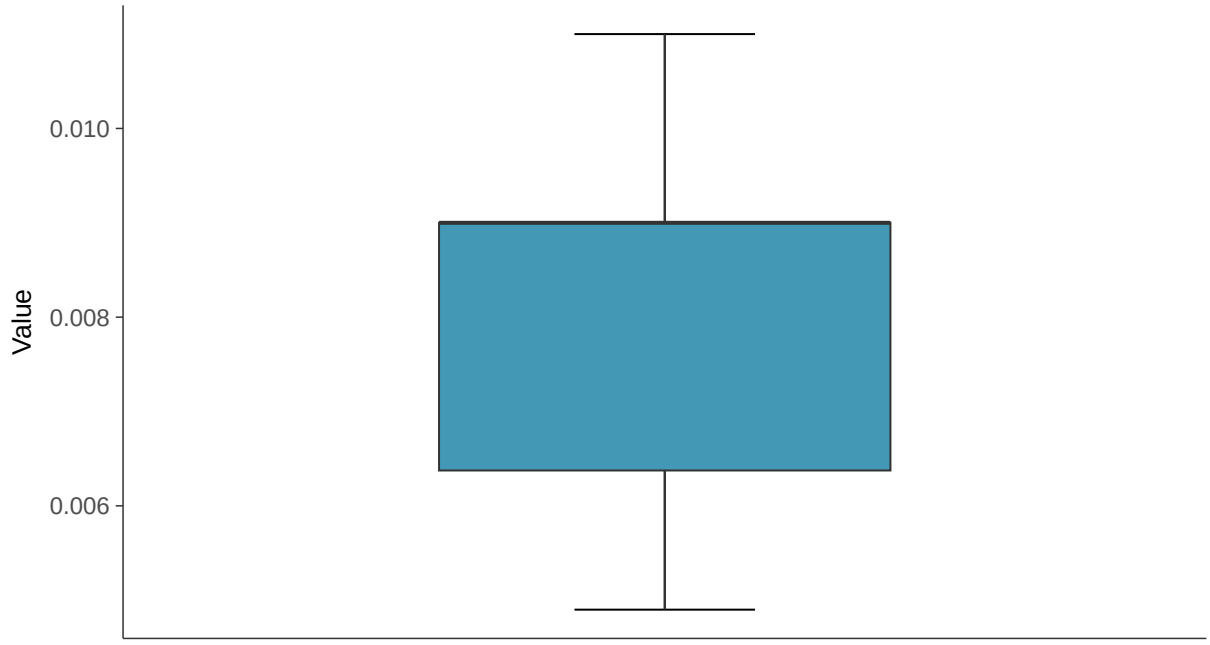
Histogram

Molybdenum, MW-100B (mg/l)



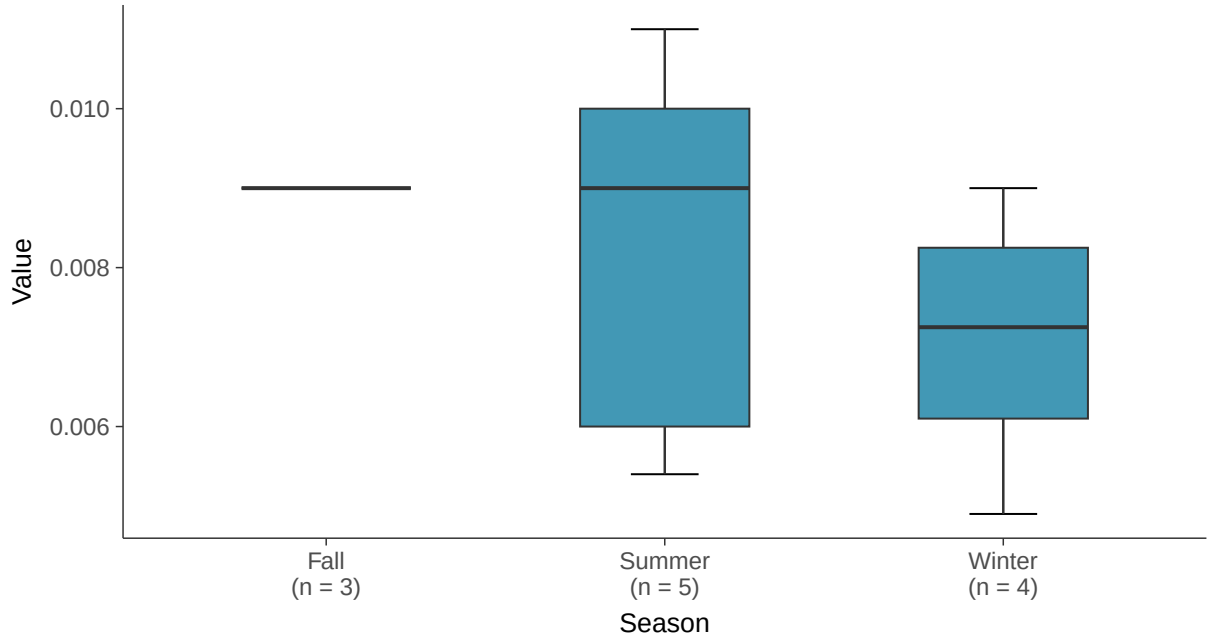
Boxplot

Molybdenum, MW-100B (mg/l)



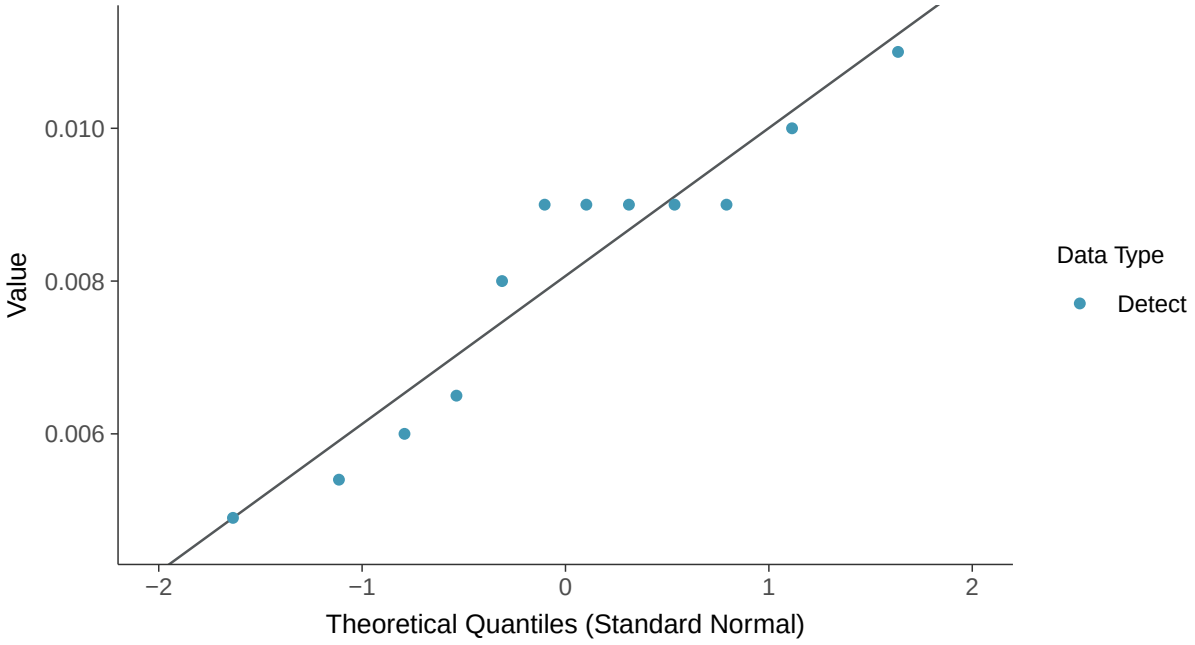
Boxplot by Season

Molybdenum, MW-100B (mg/l)



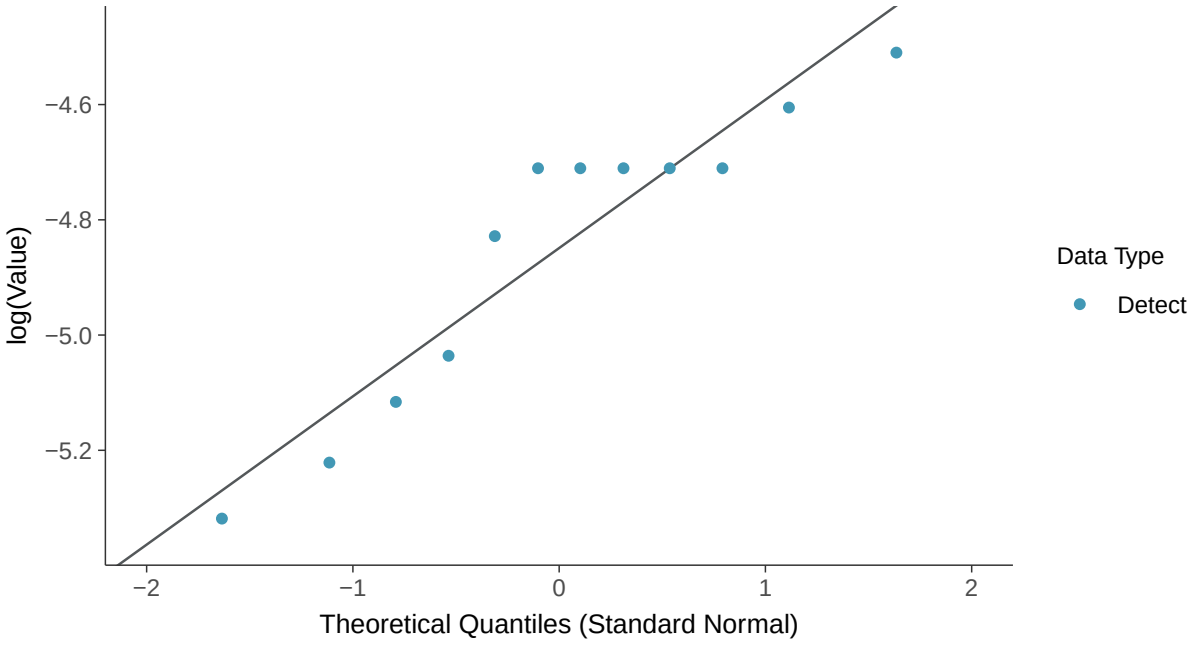
Normal Q-Q plot

Molybdenum, MW-100B (mg/l)



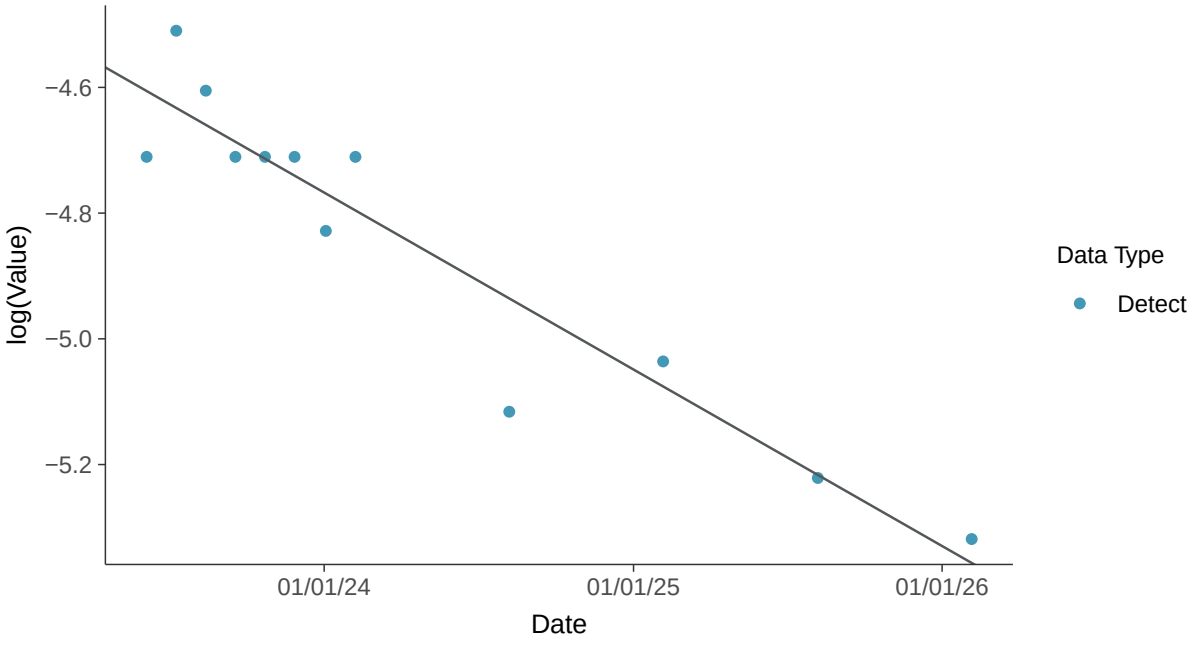
Lognormal Q-Q plot

Molybdenum, MW-100B (mg/l)



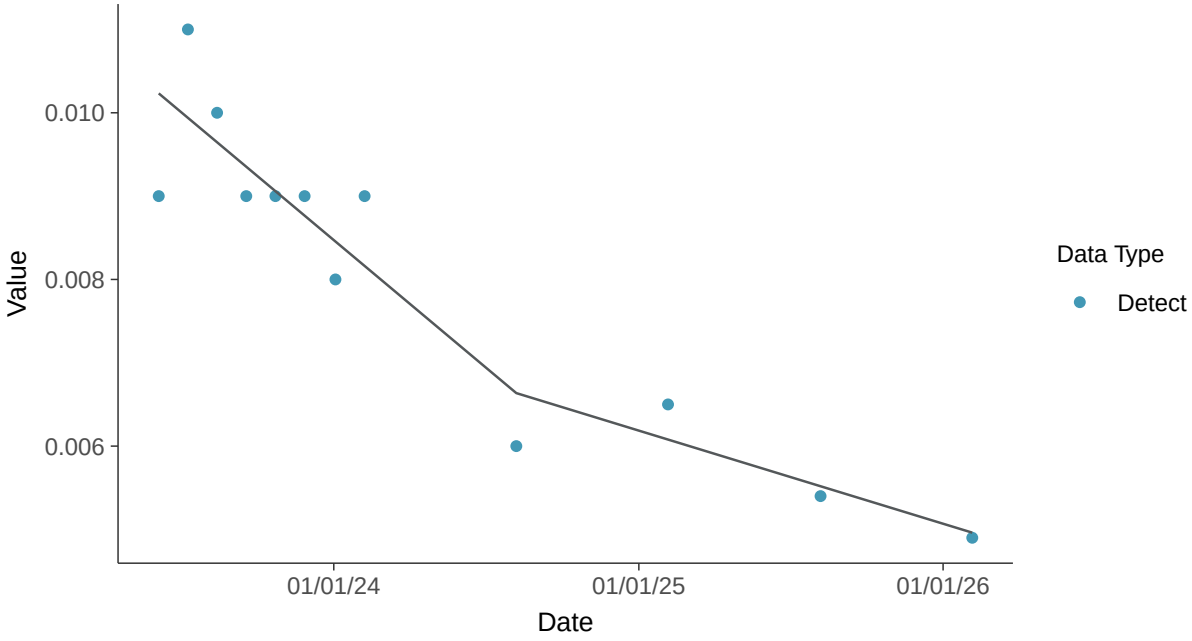
Trend Regression: Lognormal MLE

Molybdenum, MW-100B (mg/l)



Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-100B (mg/l)

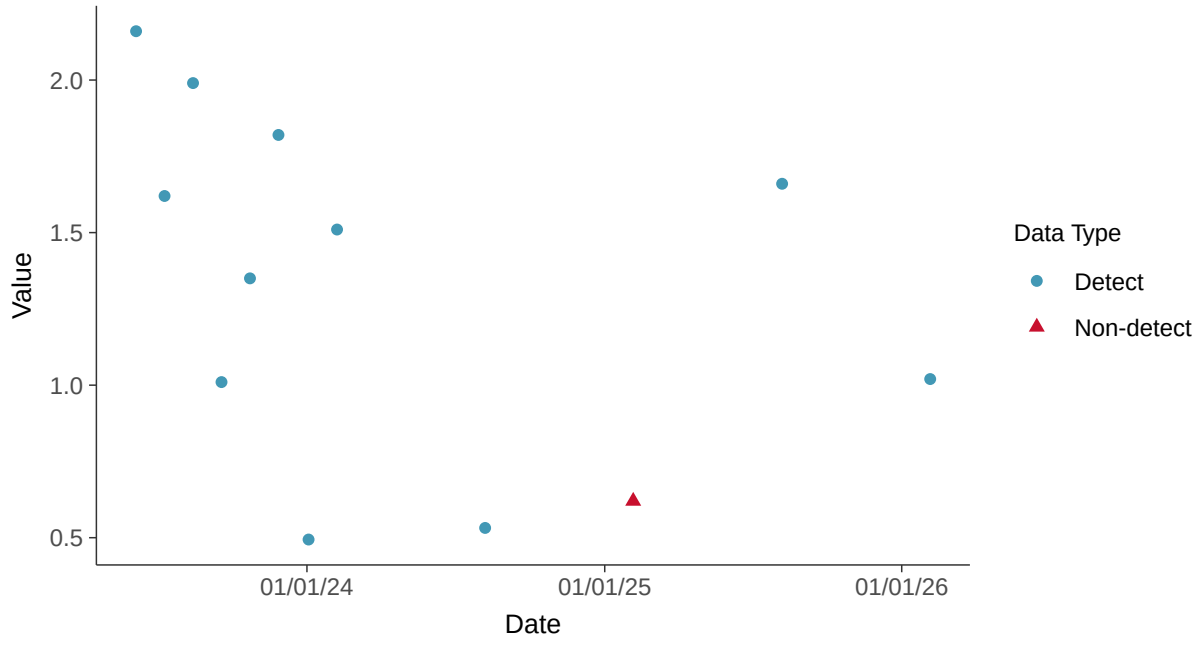


Appendix IV: Radium-226+228, MW-100B

ID: 33_3_121

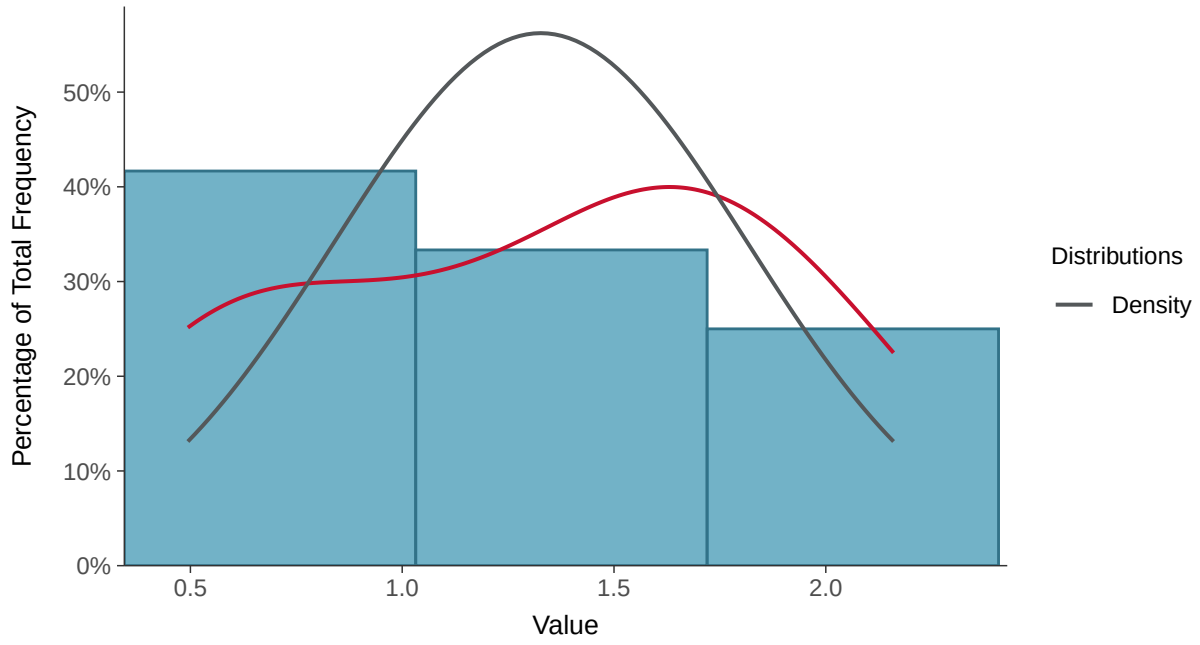
Scatter Plot

Radium-226+228, MW-100B (pci/l)



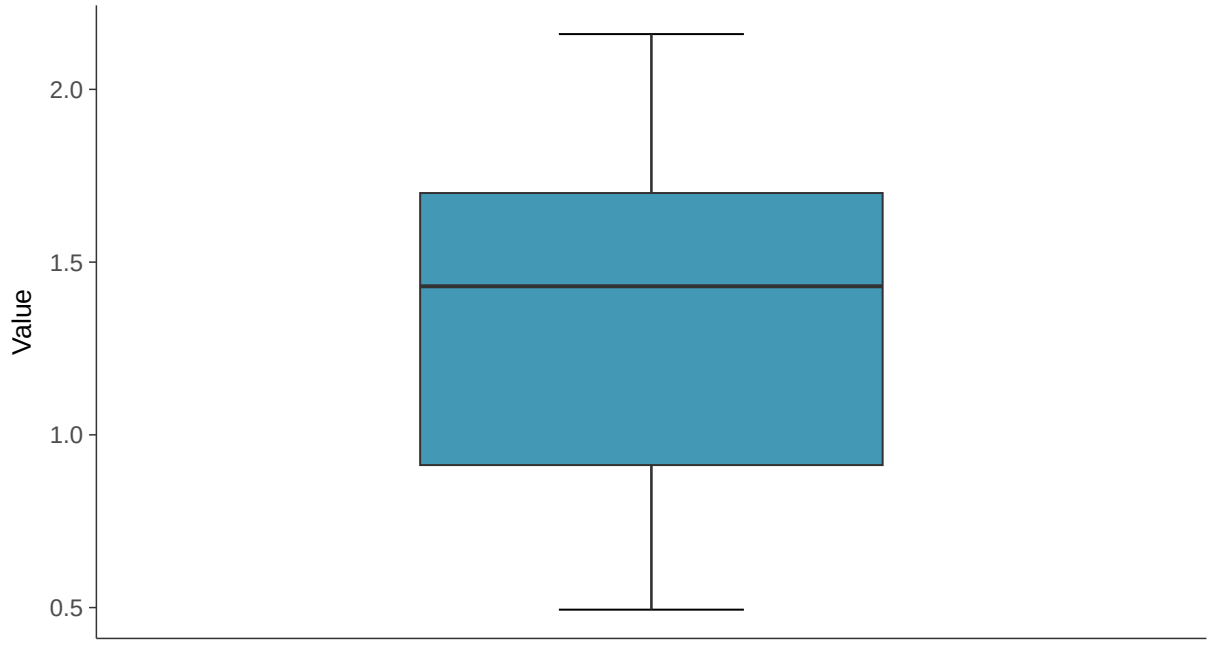
Histogram

Radium-226+228, MW-100B (pci/l)



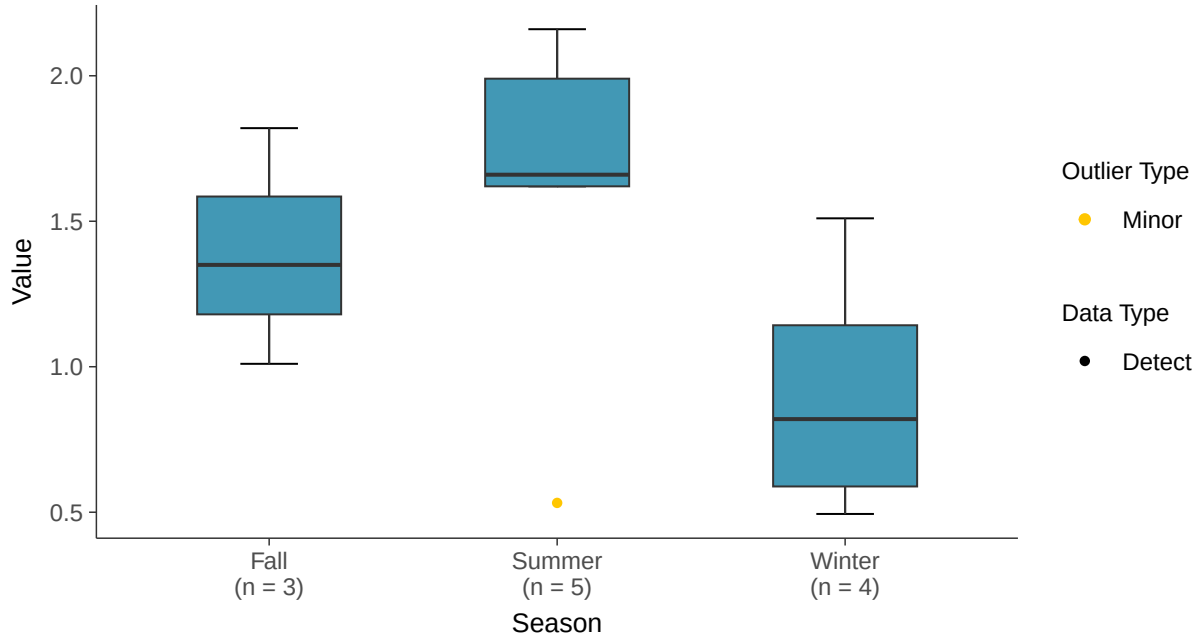
Boxplot

Radium-226+228, MW-100B (pci/l)



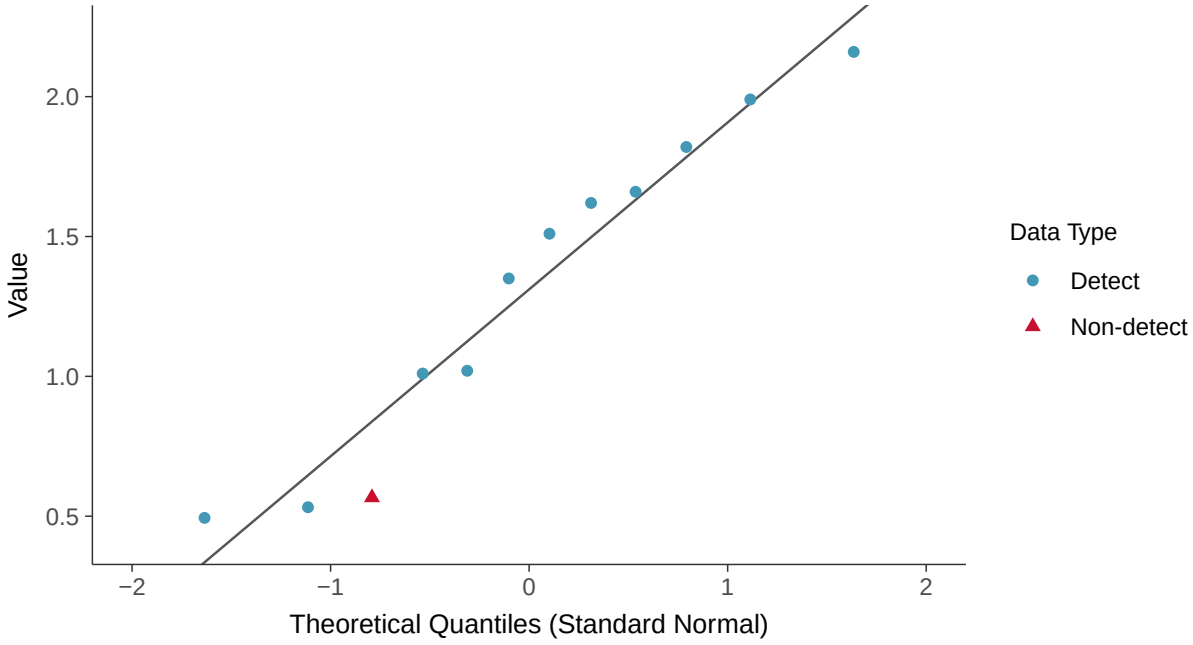
Boxplot by Season

Radium-226+228, MW-100B (pci/l)



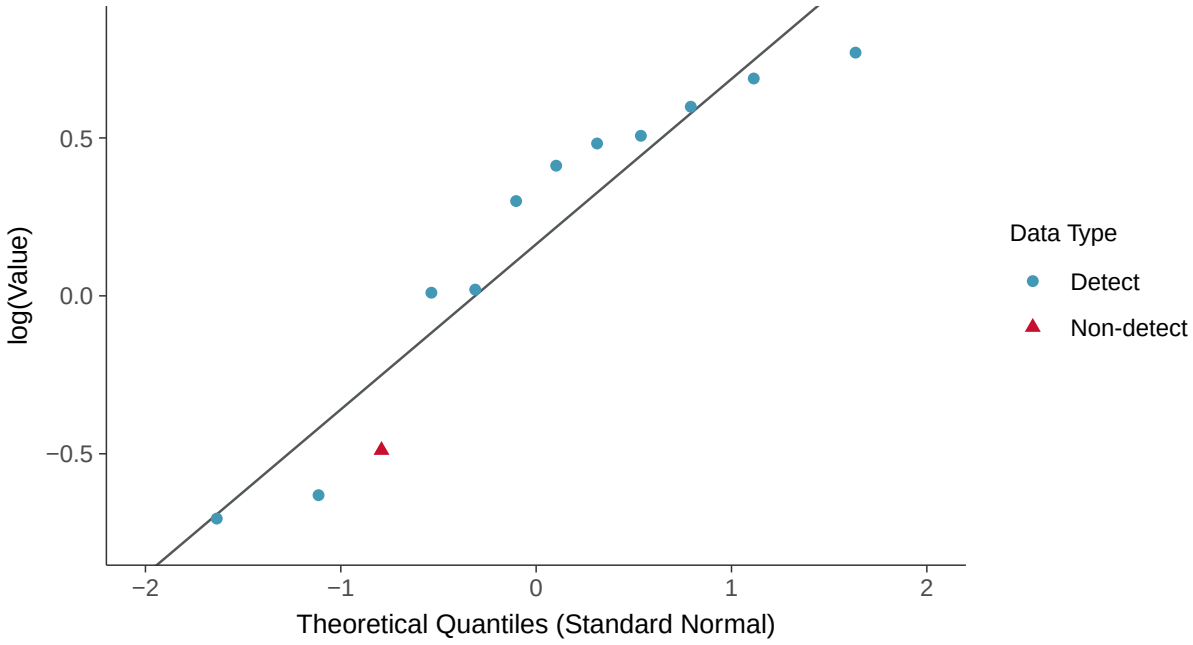
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-100B (pci/l)



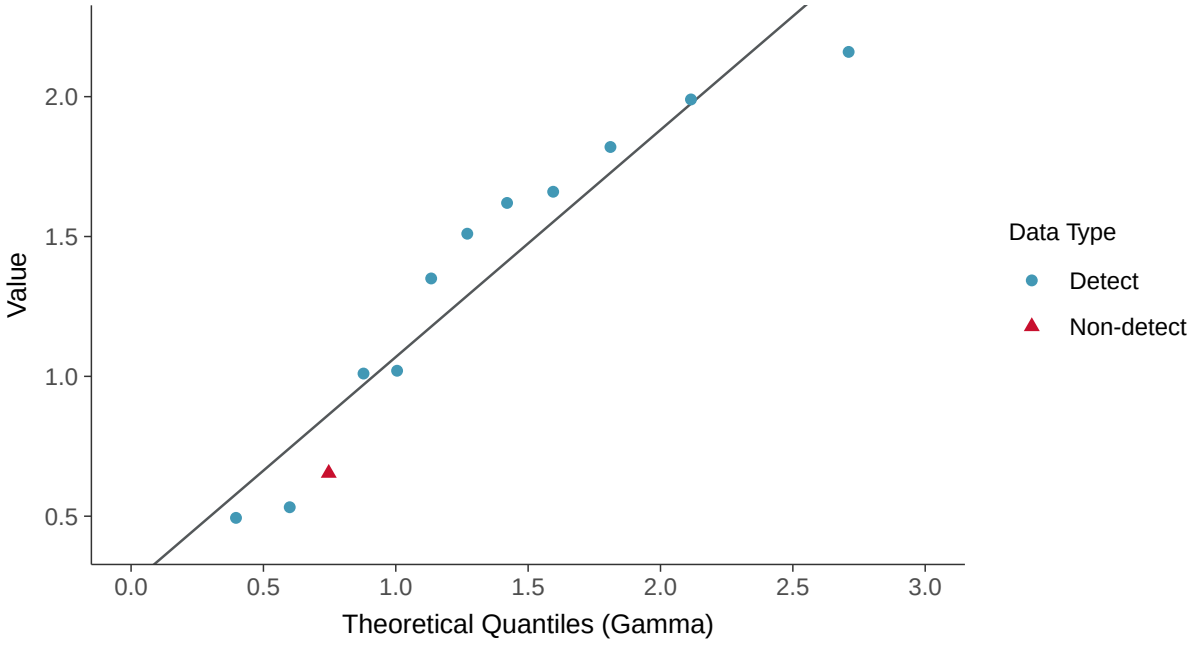
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-100B (pci/l)



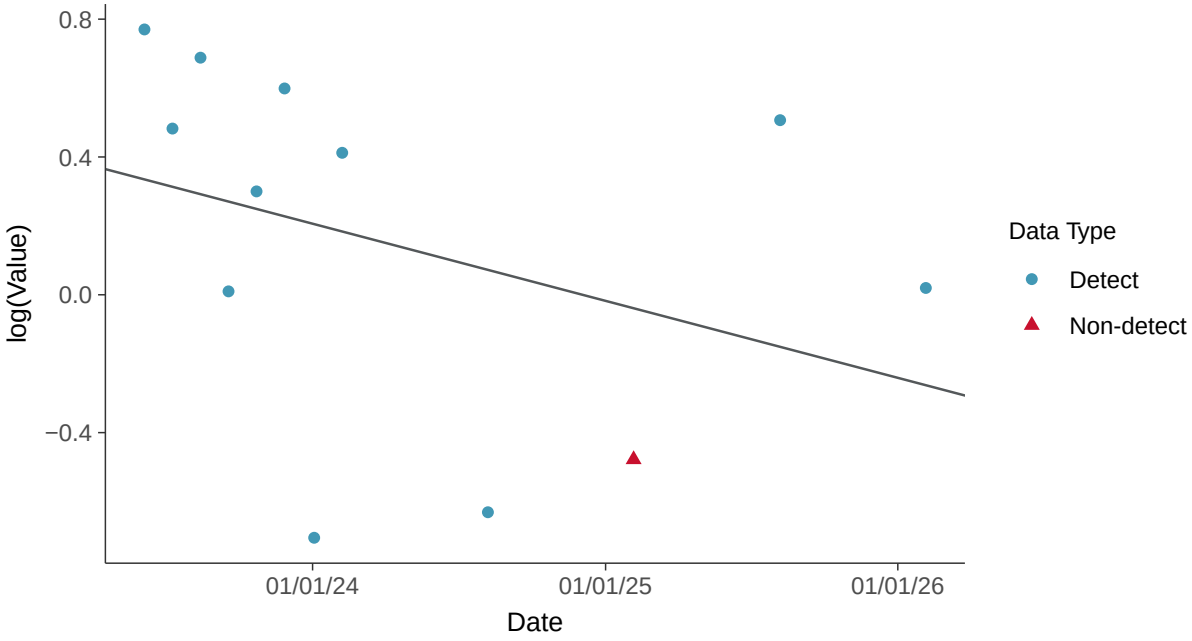
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-100B (pci/l)



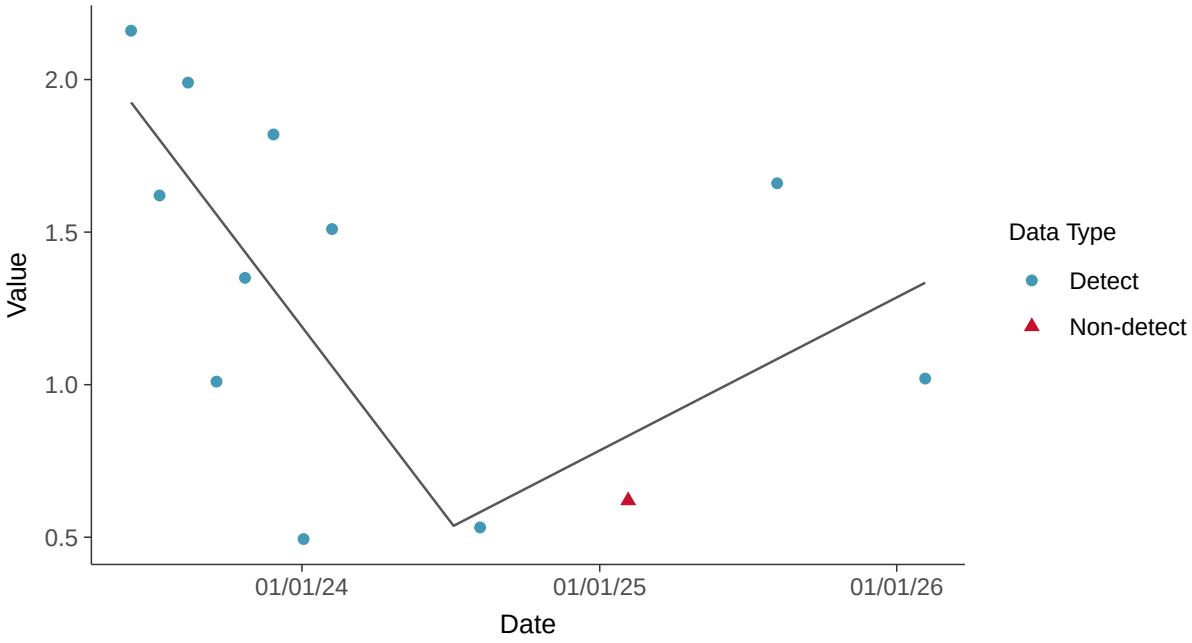
Trend Regression: Lognormal MLE

Radium-226+228, MW-100B (pci/l)



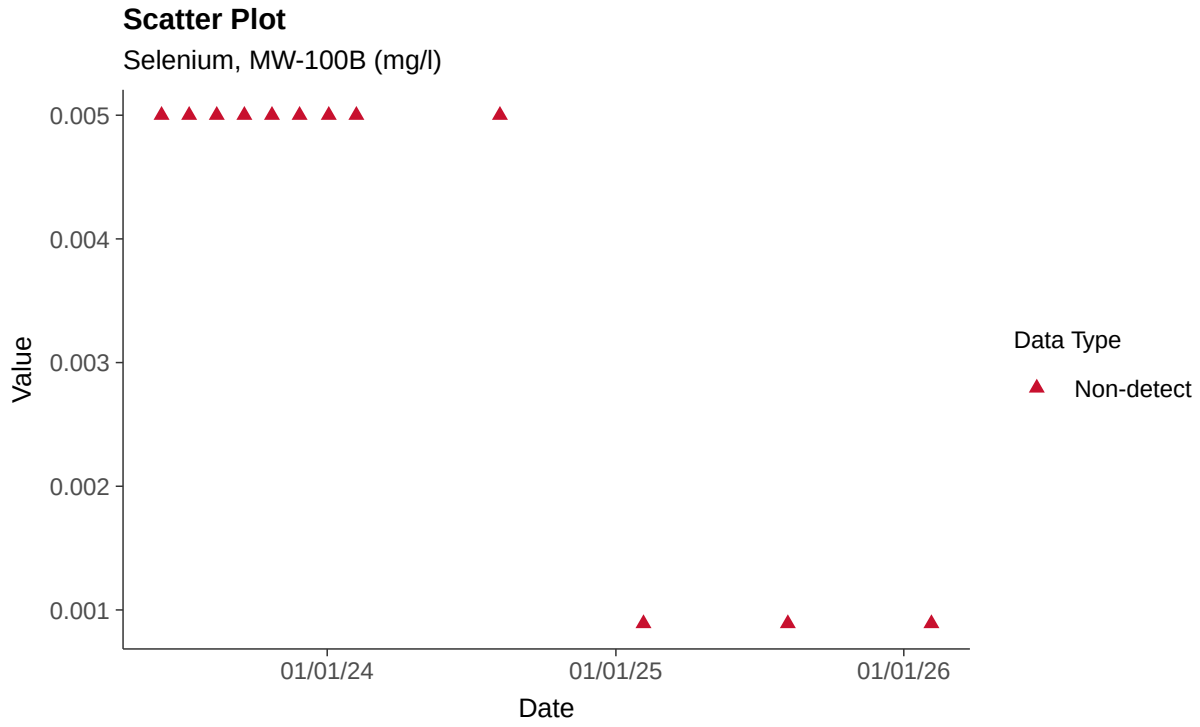
Trend Regression: Piecewise Linear-Linear

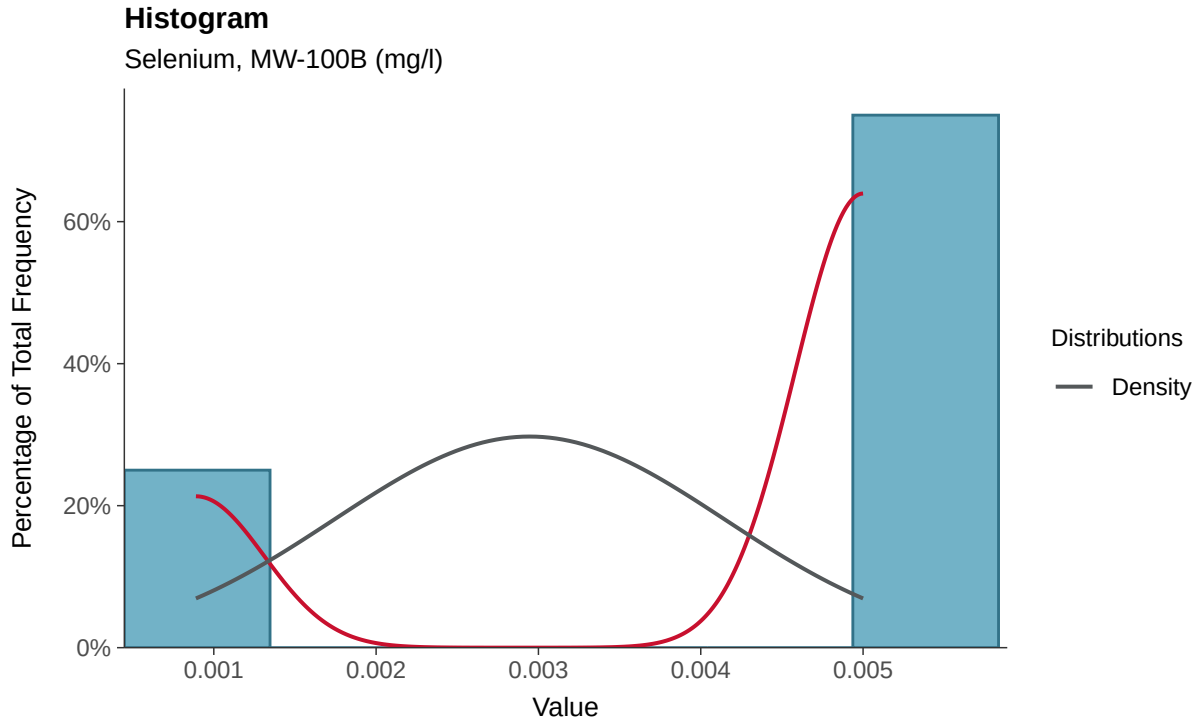
Radium-226+228, MW-100B (pci/l)



Appendix IV: Selenium, MW-100B

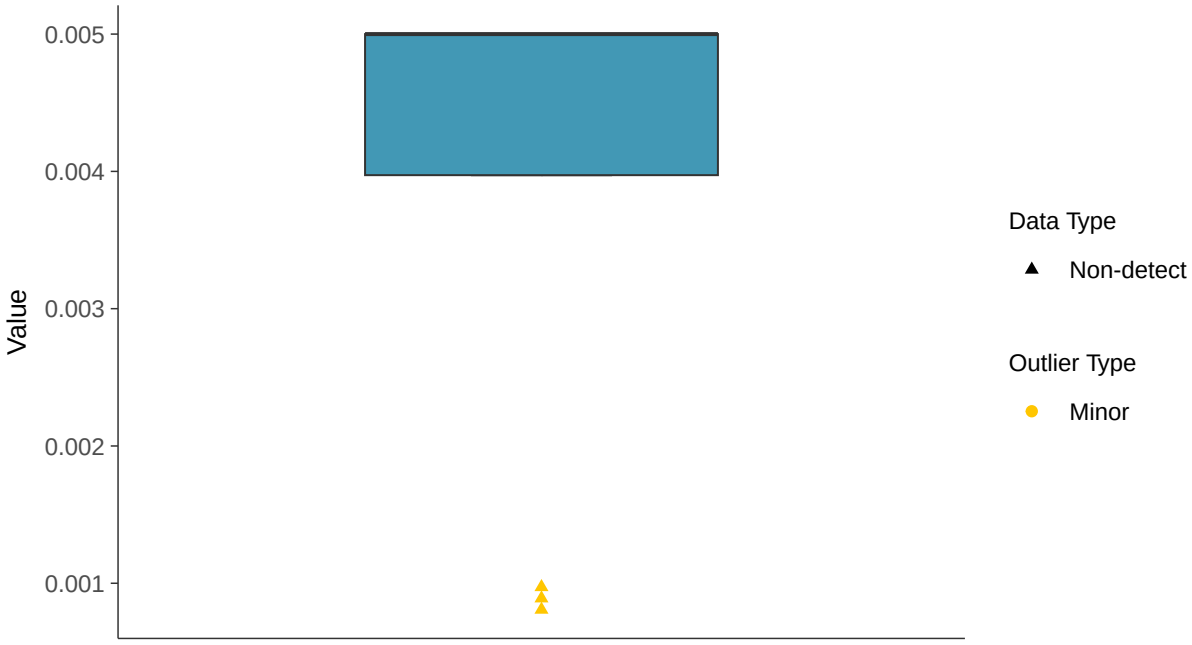
ID: 33_3_122





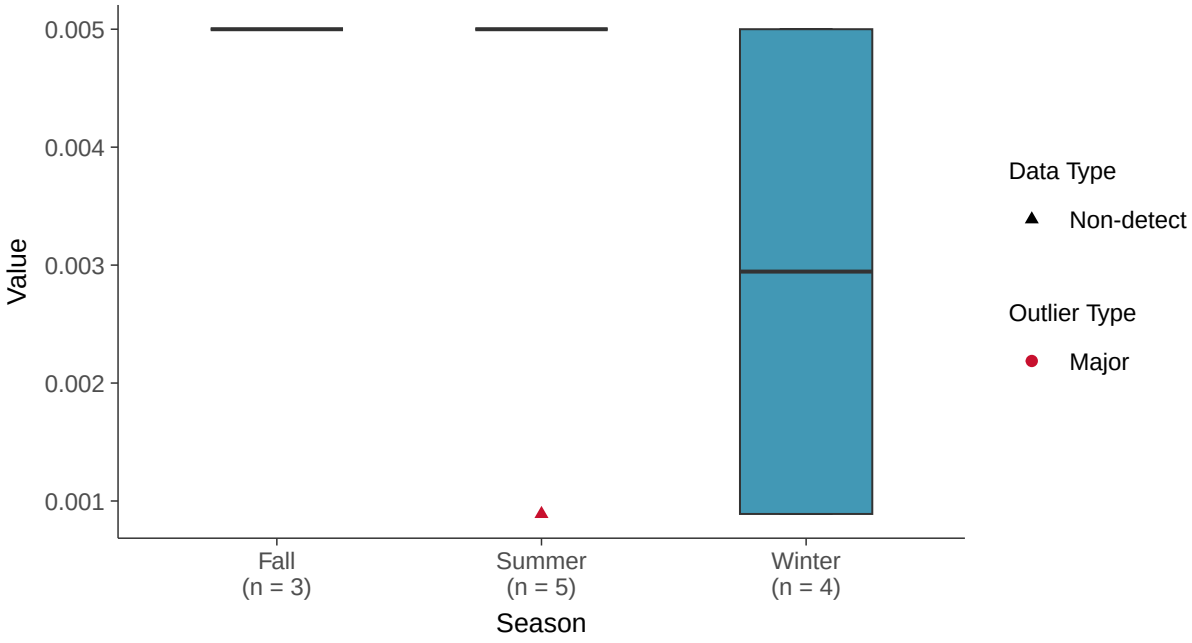
Boxplot

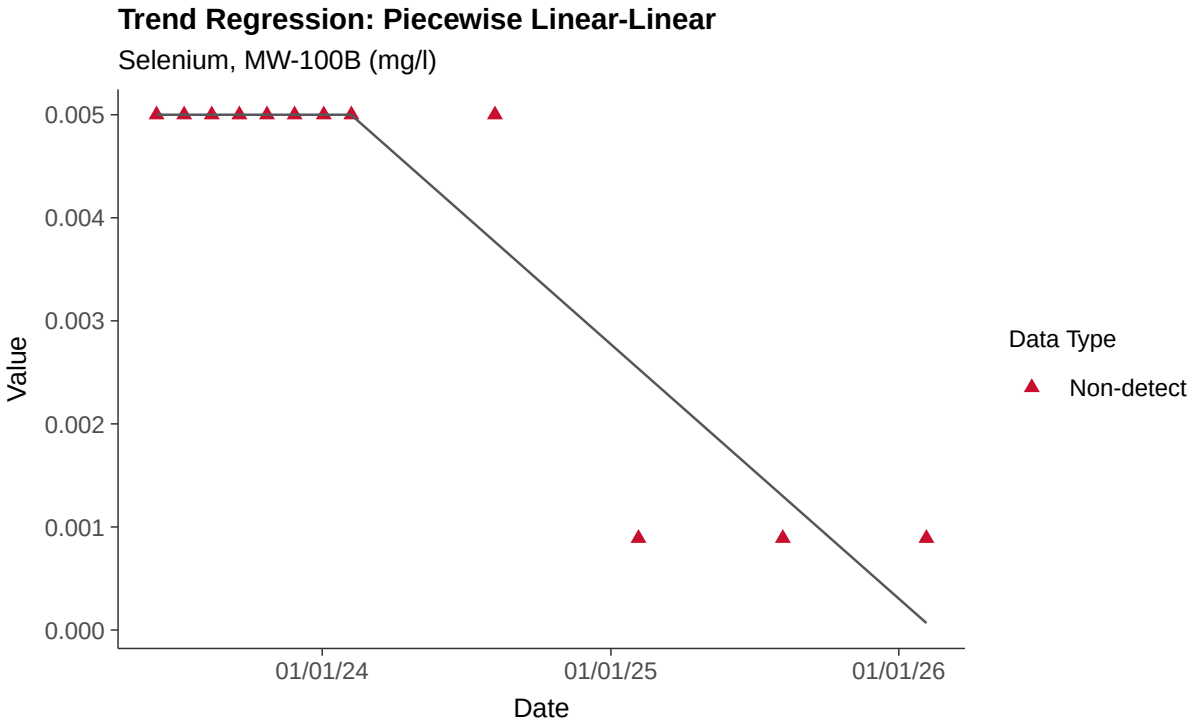
Selenium, MW-100B (mg/l)



Boxplot by Season

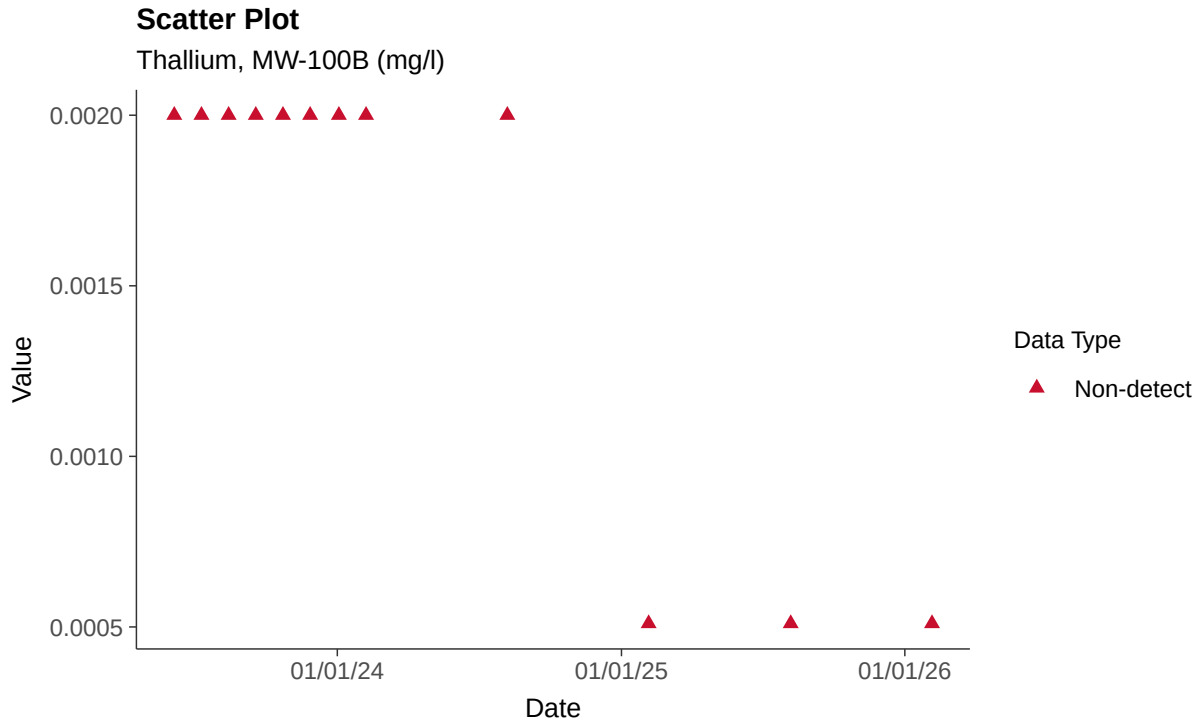
Selenium, MW-100B (mg/l)

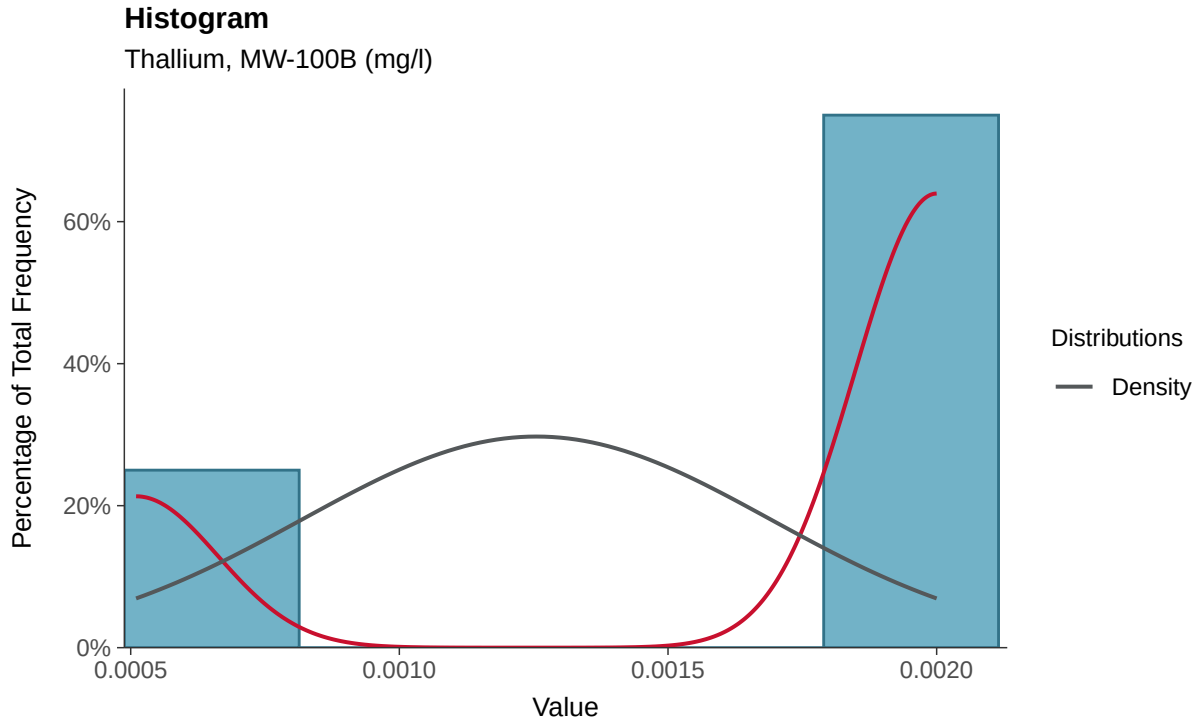



Trend Regression: Piecewise Linear-Linear
Selenium, MW-100B (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-100B

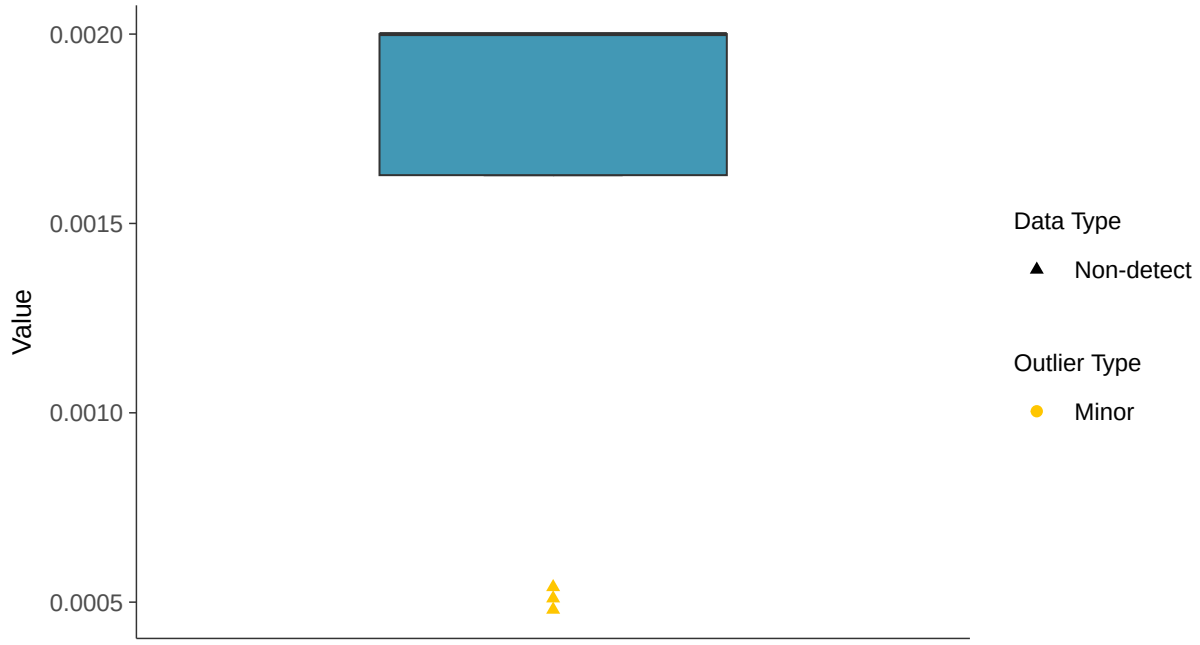
ID: 33_3_125





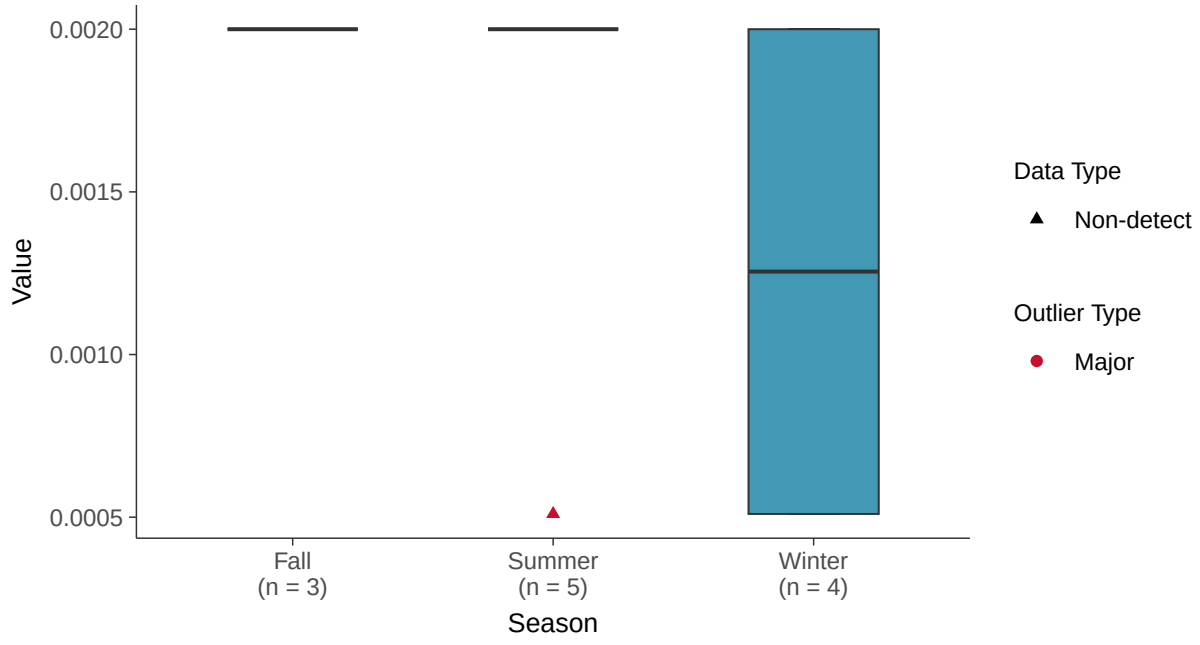
Boxplot

Thallium, MW-100B (mg/l)



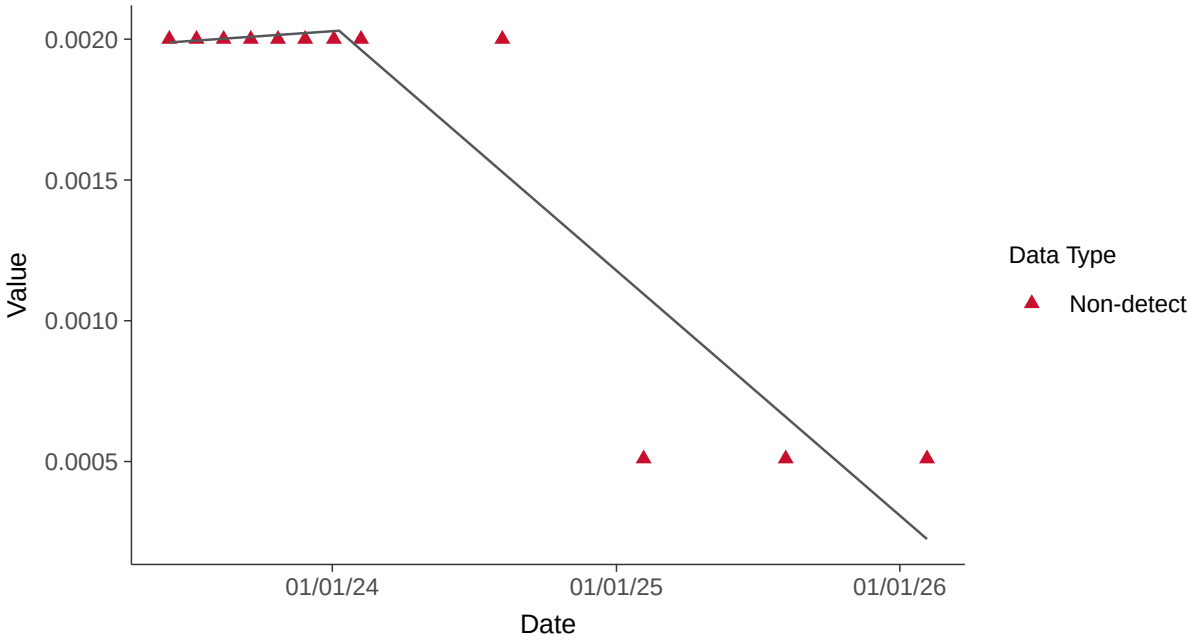
Boxplot by Season

Thallium, MW-100B (mg/l)



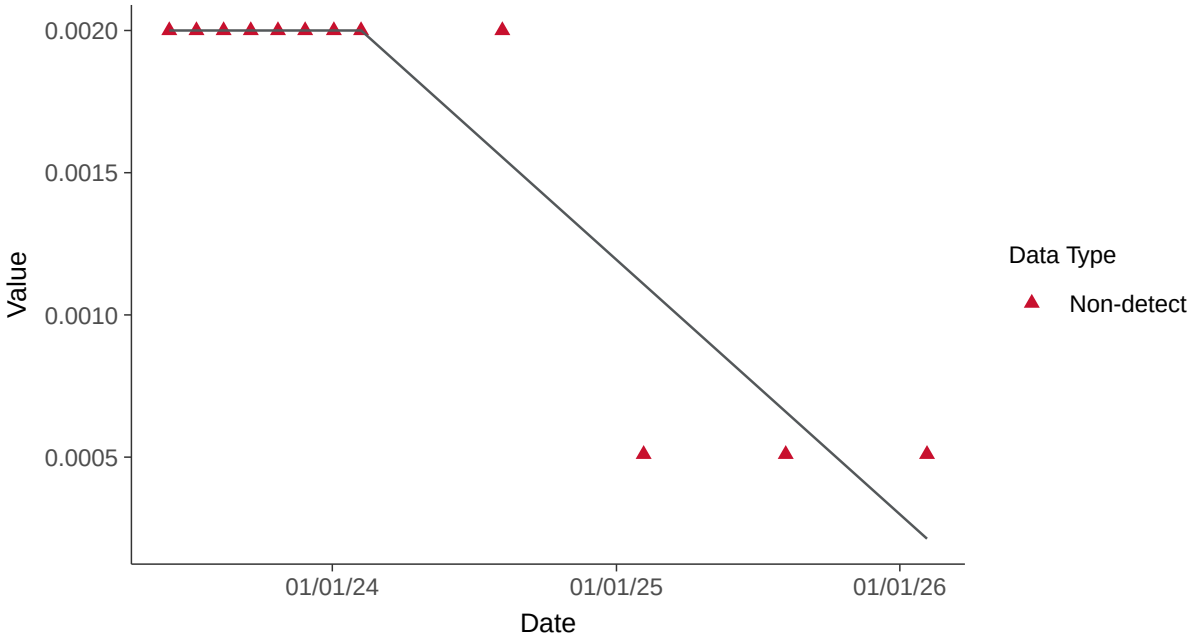
Trend Regression: Piecewise Linear-Linear

Thallium, MW-100B (mg/l)



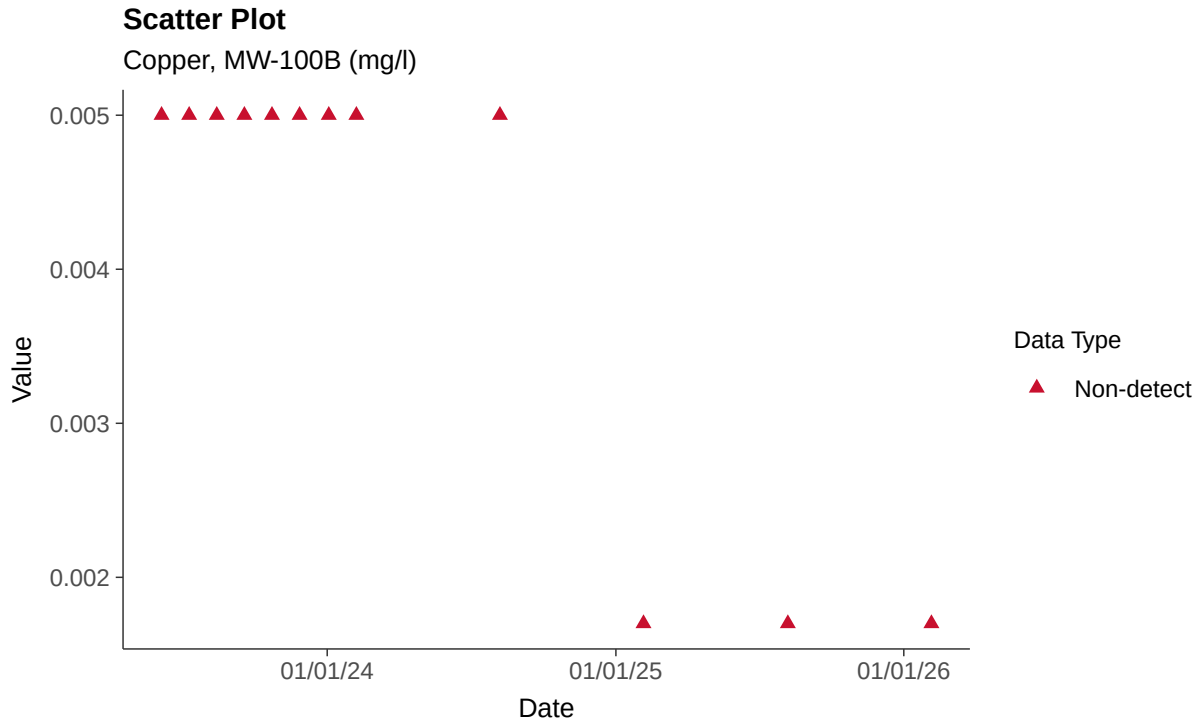
Trend Regression: Piecewise Linear-Linear-Linear

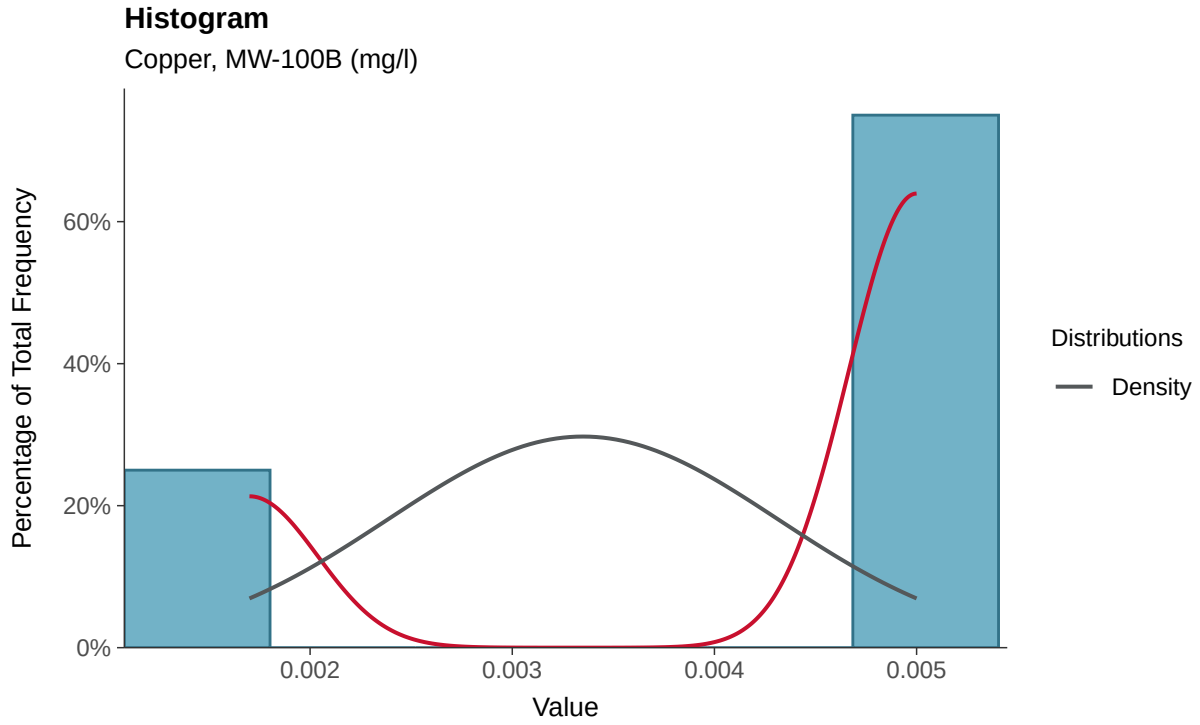
Thallium, MW-100B (mg/l)



Part 115: Copper, MW-100B

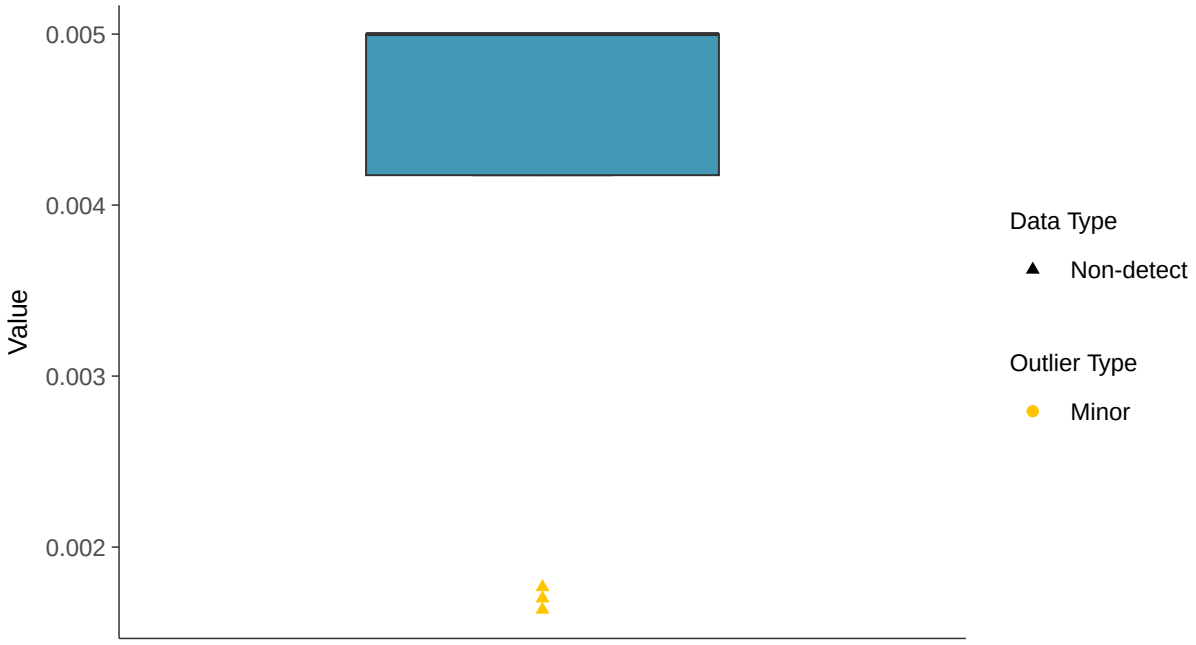
ID: 33_5_111





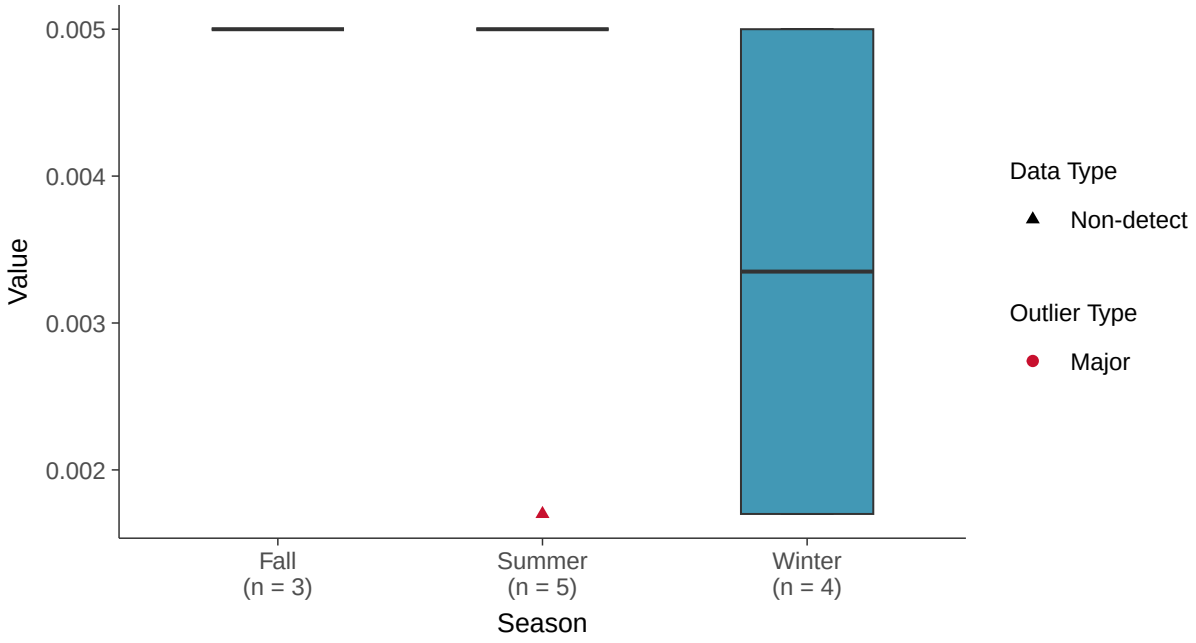
Boxplot

Copper, MW-100B (mg/l)



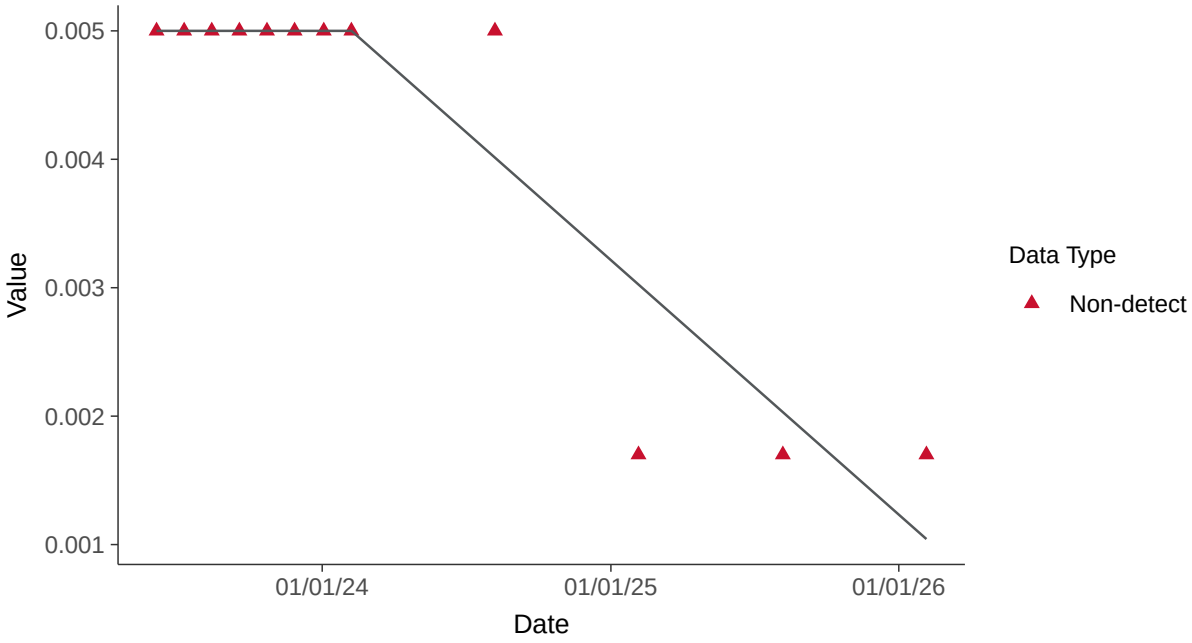
Boxplot by Season

Copper, MW-100B (mg/l)



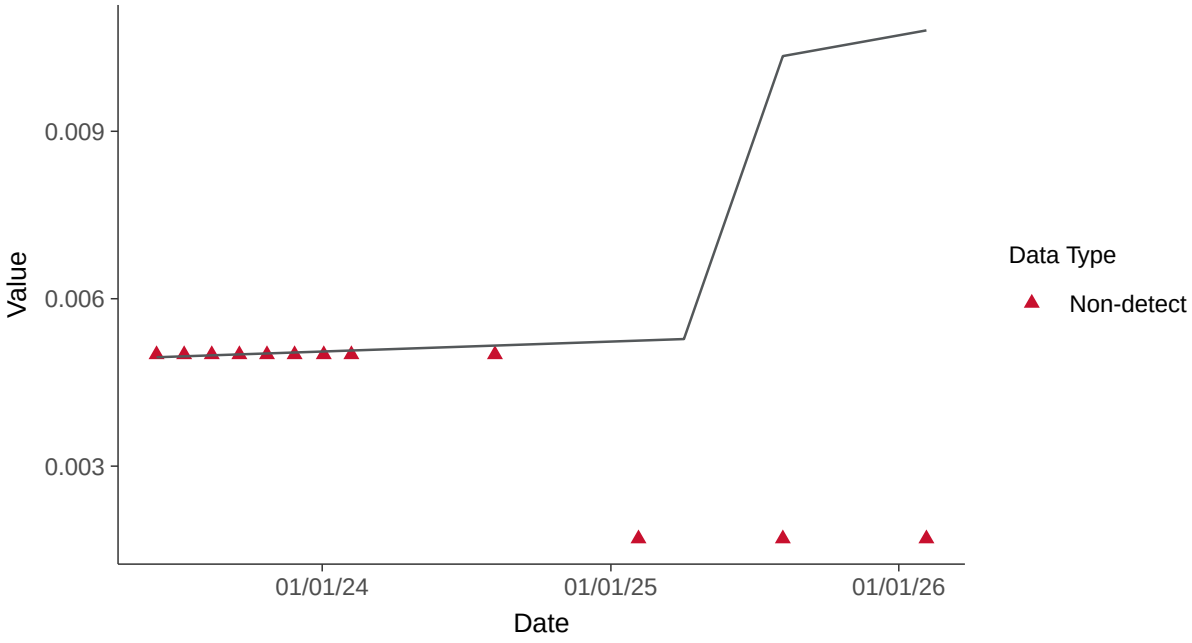
Trend Regression: Piecewise Linear-Linear

Copper, MW-100B (mg/l)



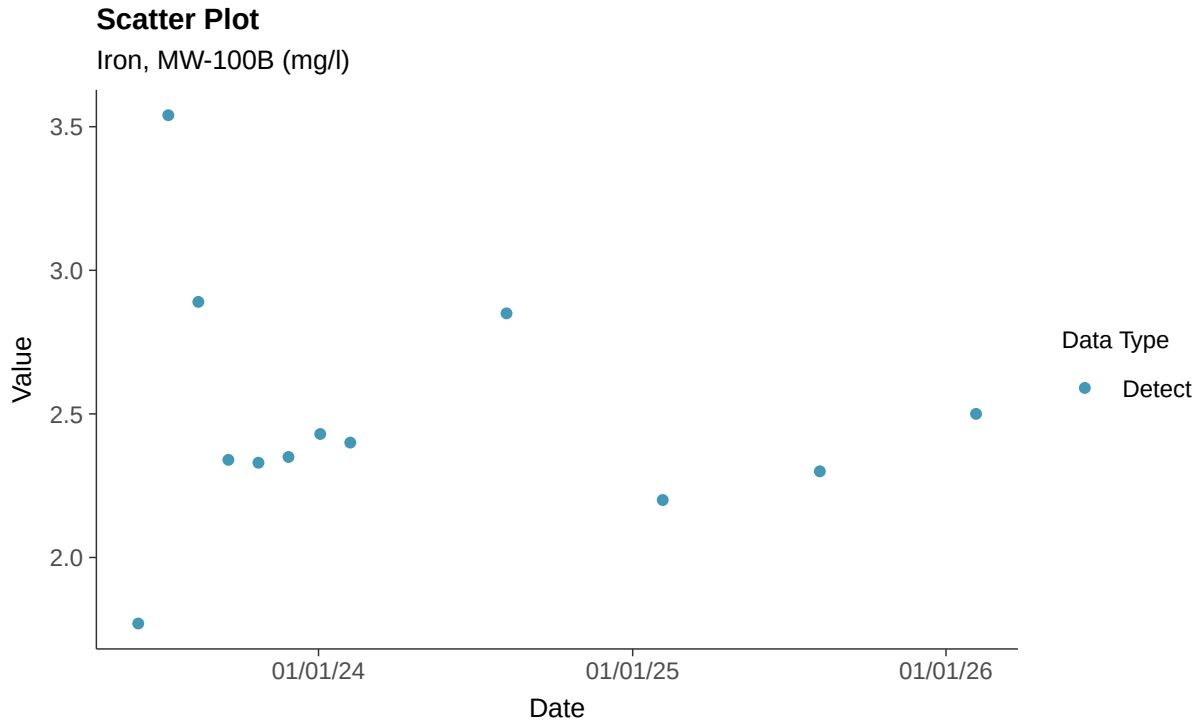
Trend Regression: Piecewise Linear-Linear-Linear

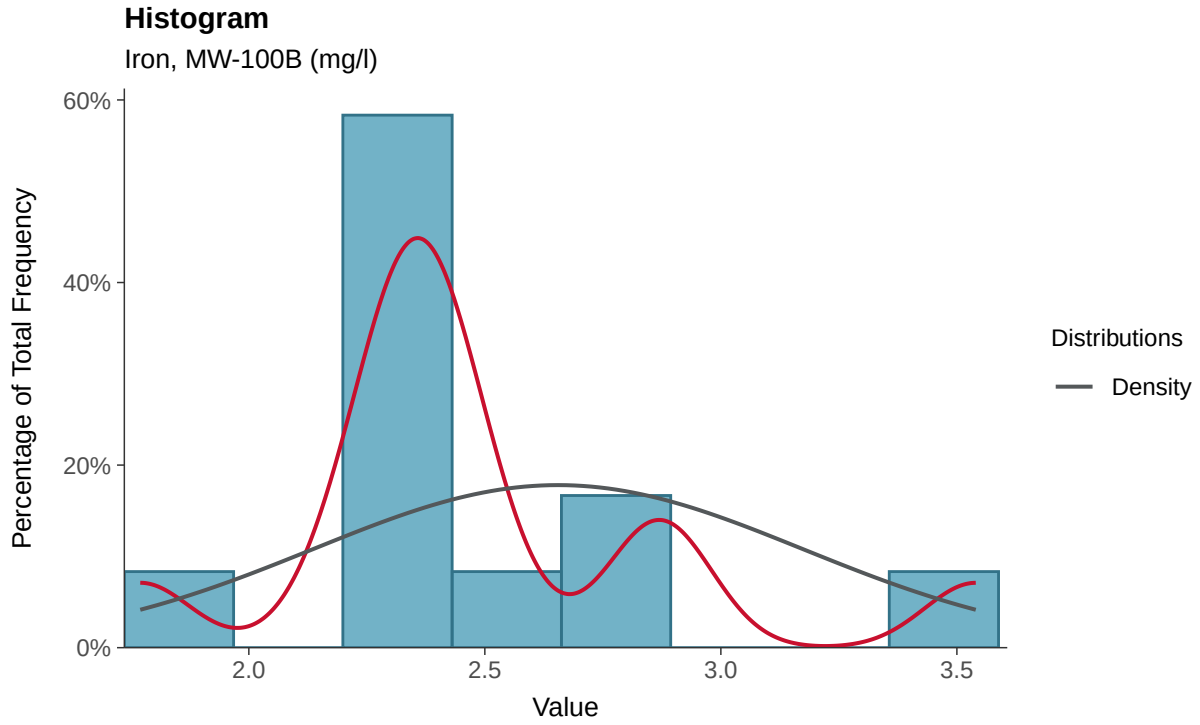
Copper, MW-100B (mg/l)



Part 115: Iron, MW-100B

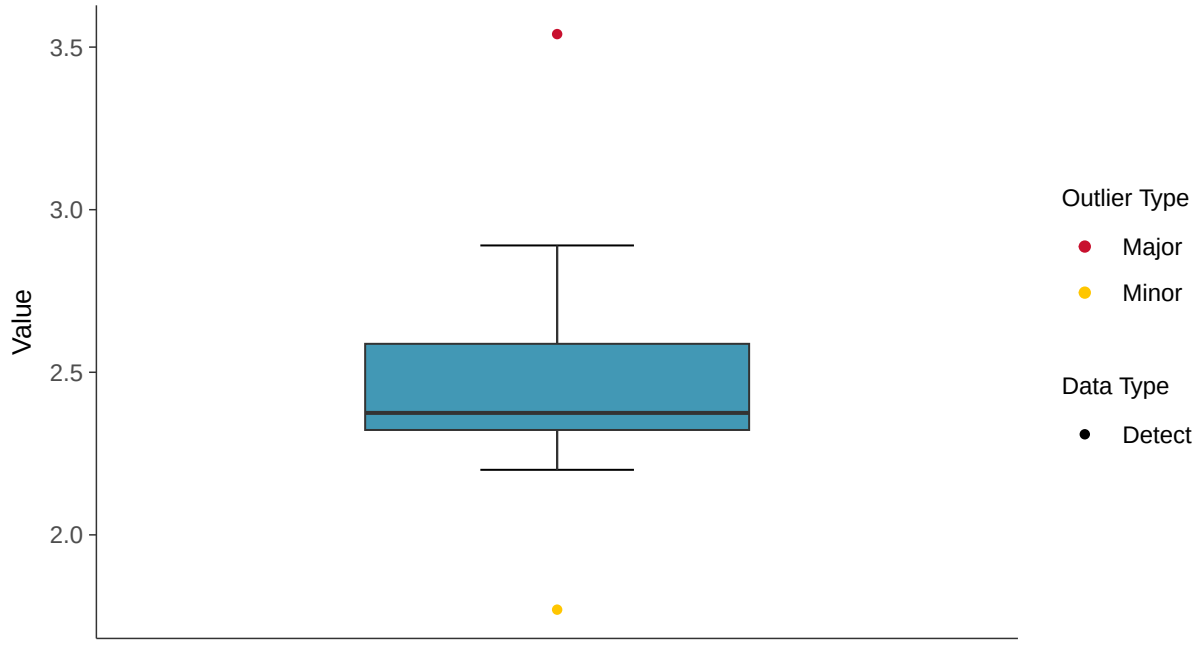
ID: 33_5_114





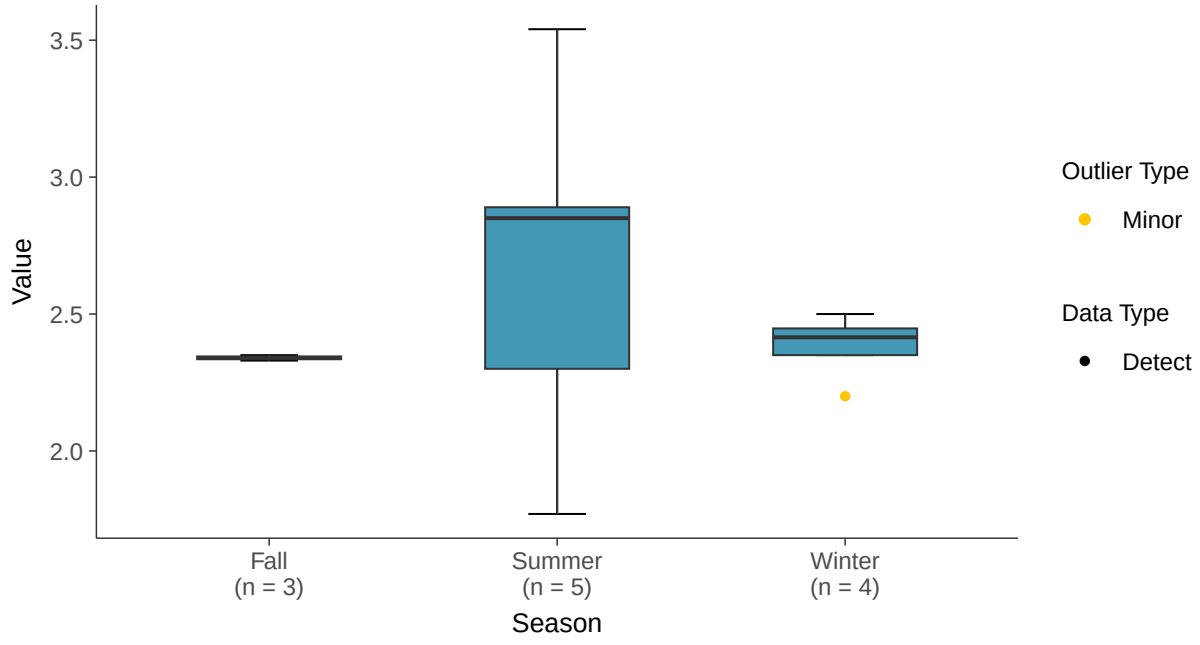
Boxplot

Iron, MW-100B (mg/l)



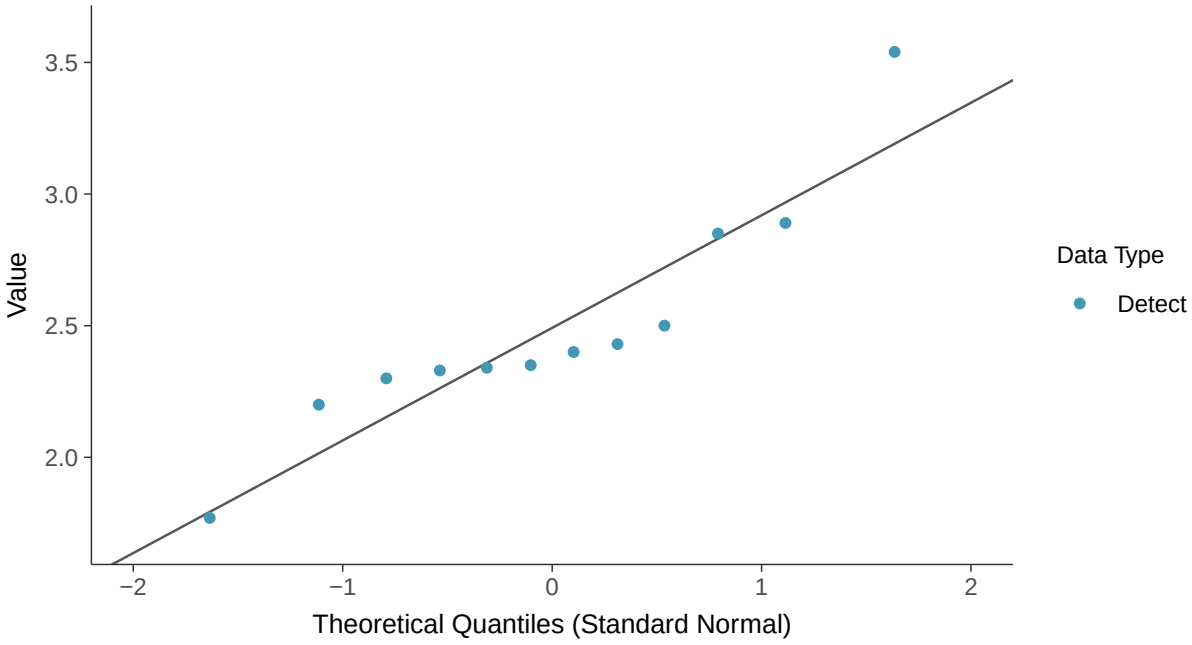
Boxplot by Season

Iron, MW-100B (mg/l)



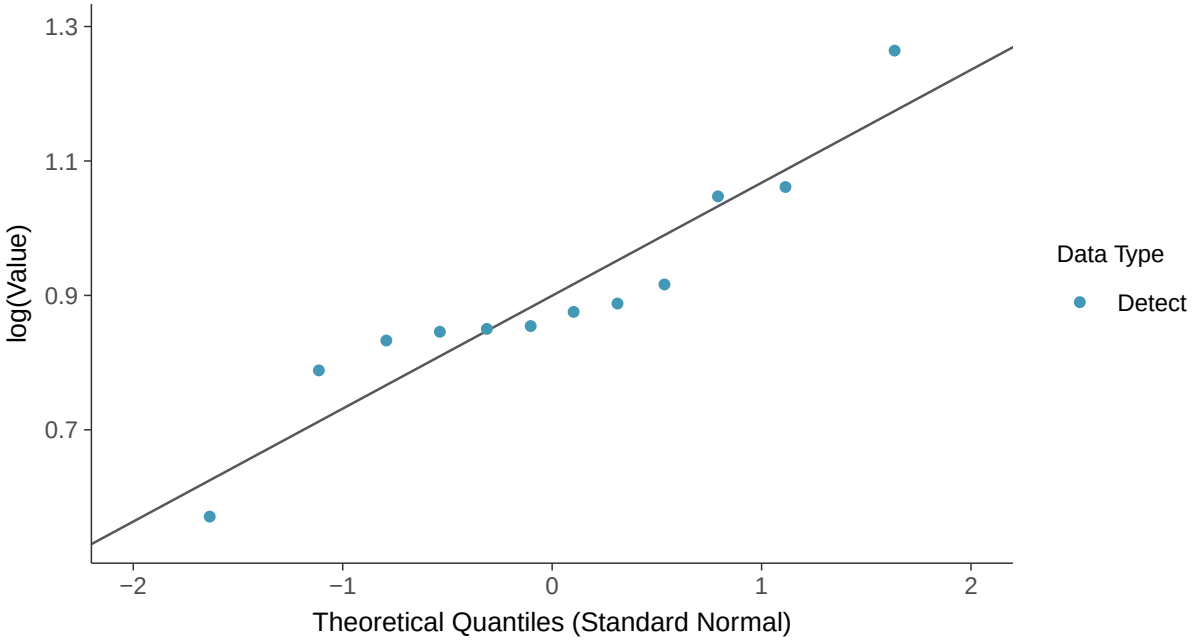
Normal Q-Q plot

Iron, MW-100B (mg/l)



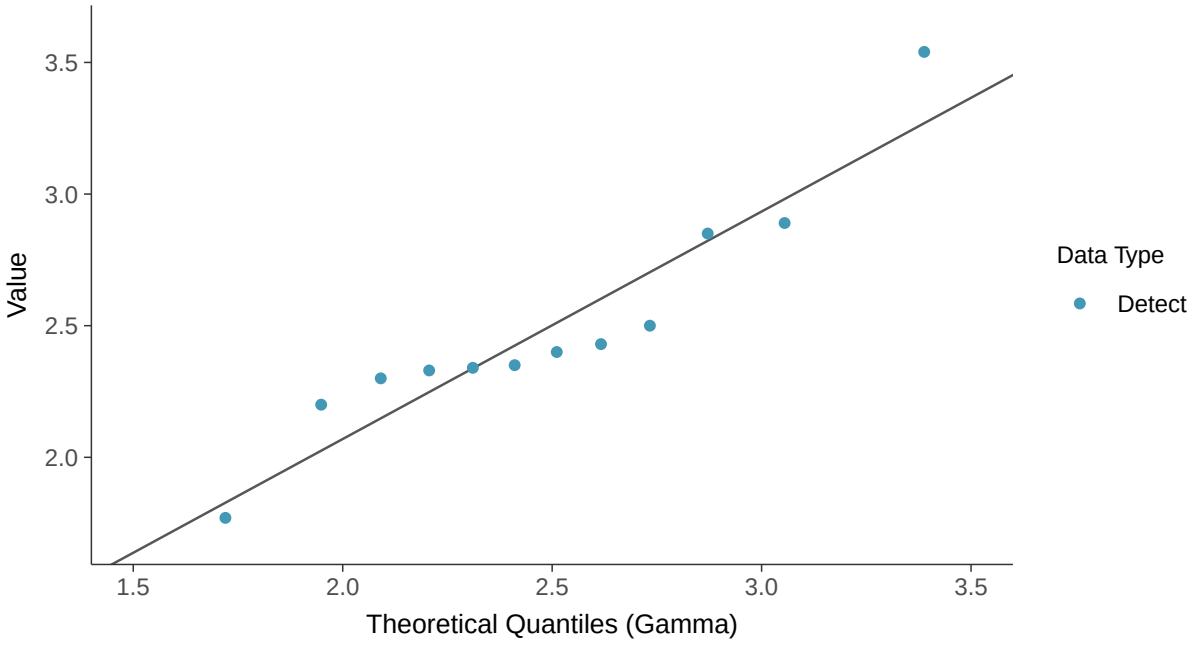
Lognormal Q-Q plot

Iron, MW-100B (mg/l)



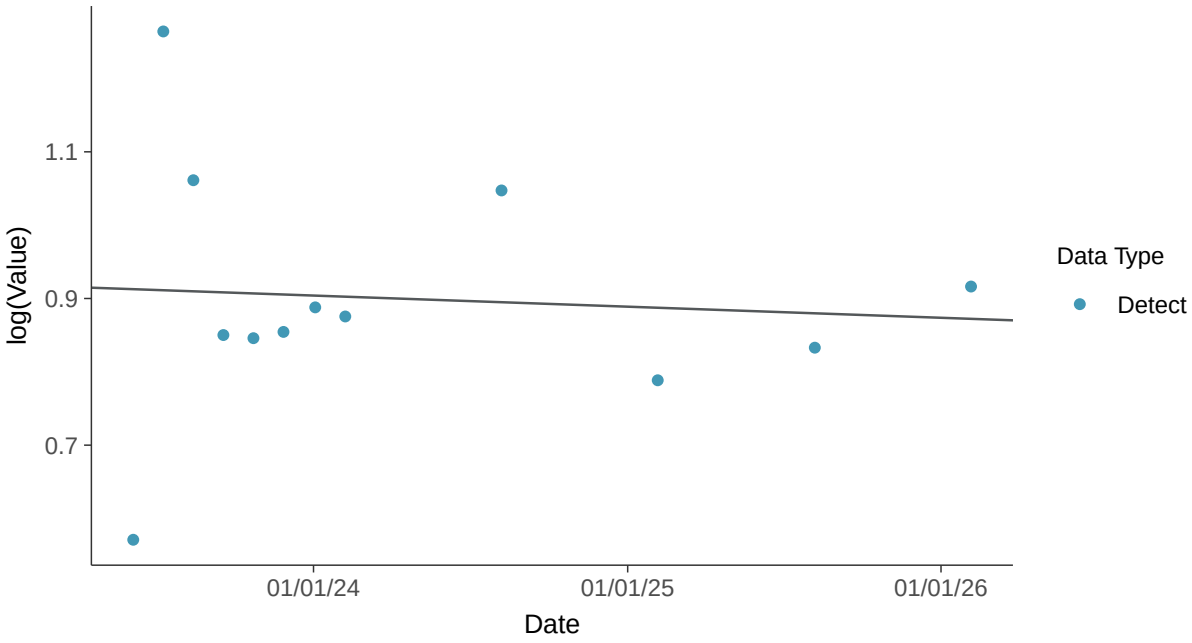
Gamma Q-Q plot

Iron, MW-100B (mg/l)



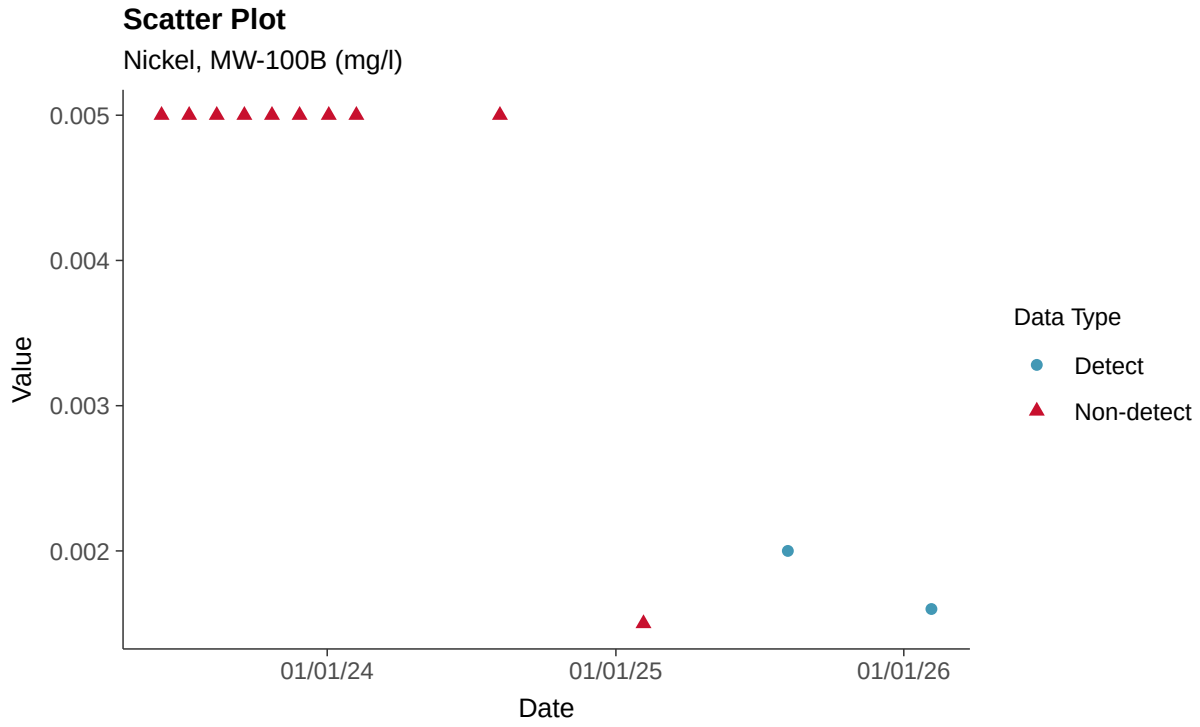
Trend Regression: Lognormal MLE

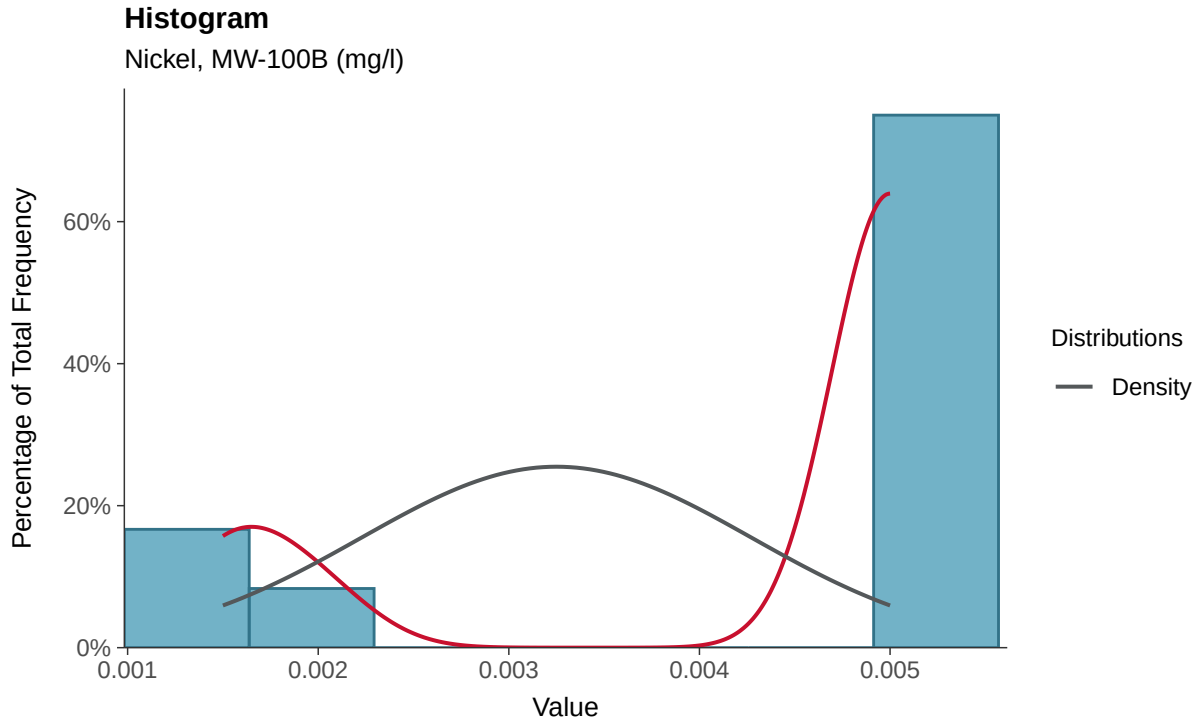
Iron, MW-100B (mg/l)



Part 115: Nickel, MW-100B

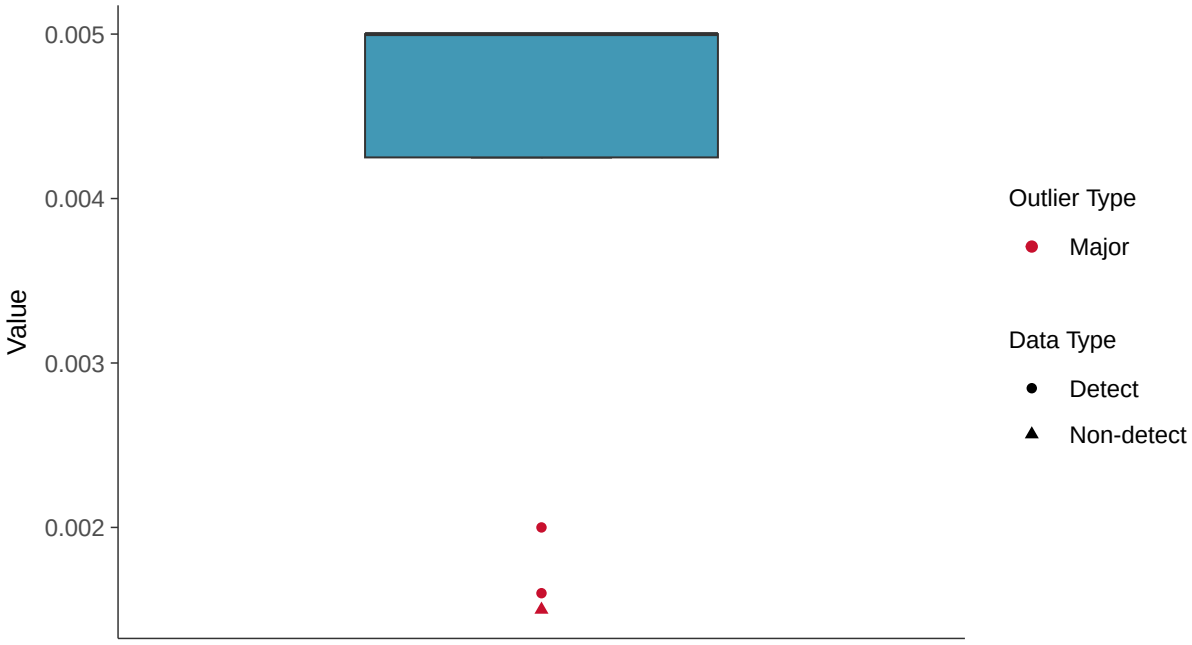
ID: 33_5_119





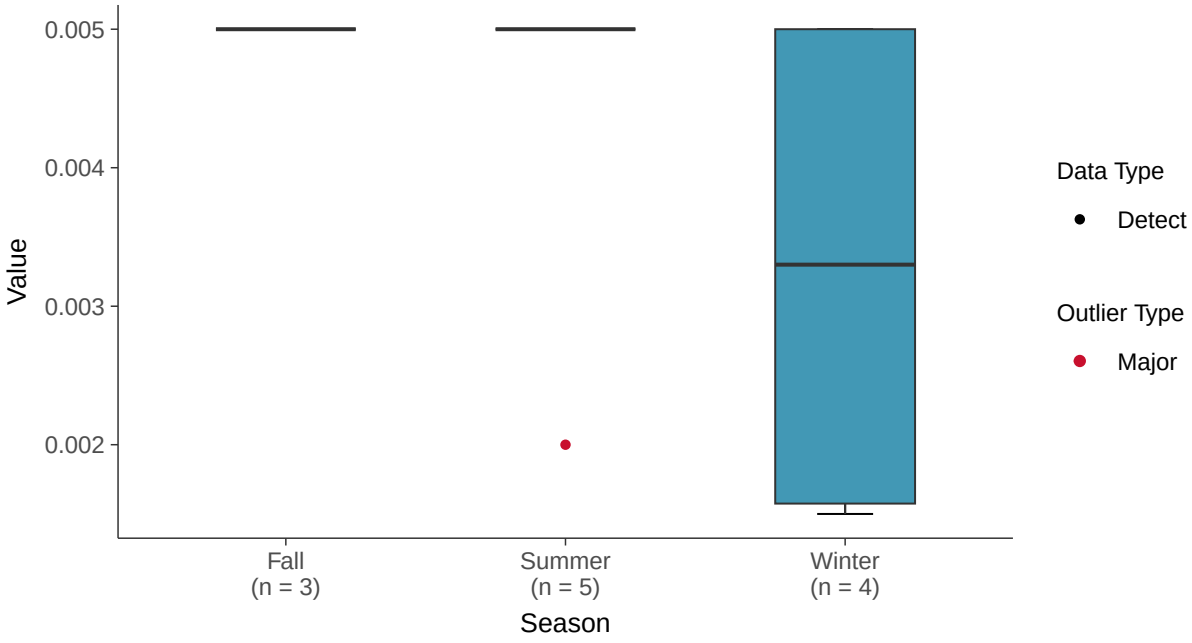
Boxplot

Nickel, MW-100B (mg/l)



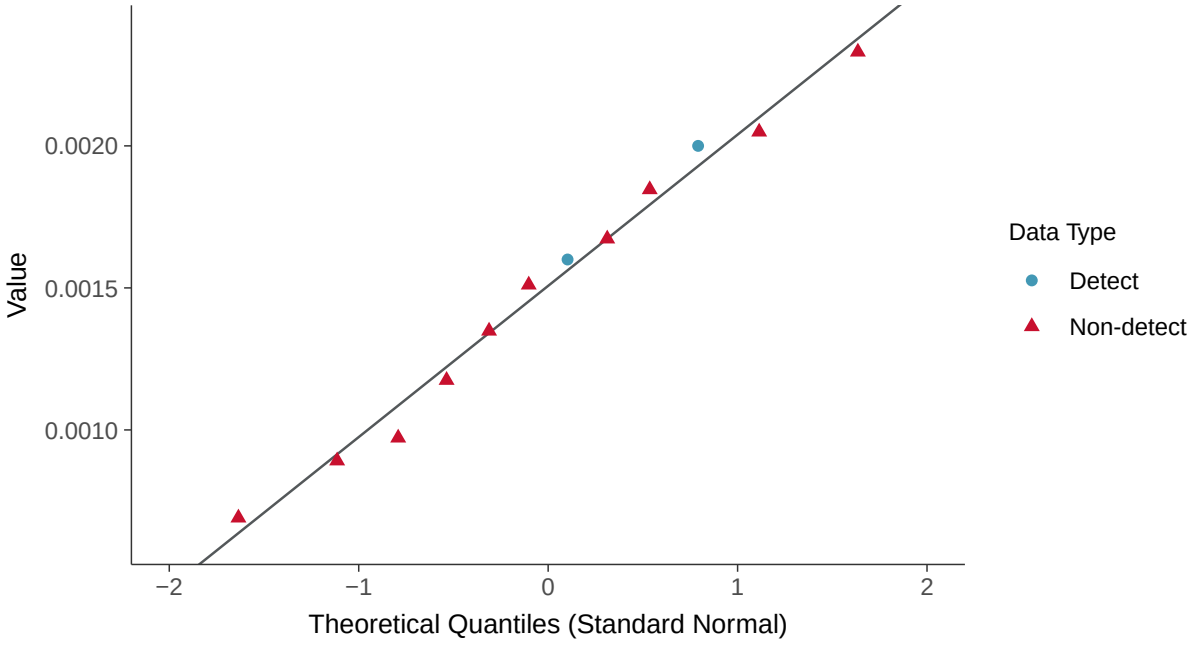
Boxplot by Season

Nickel, MW-100B (mg/l)



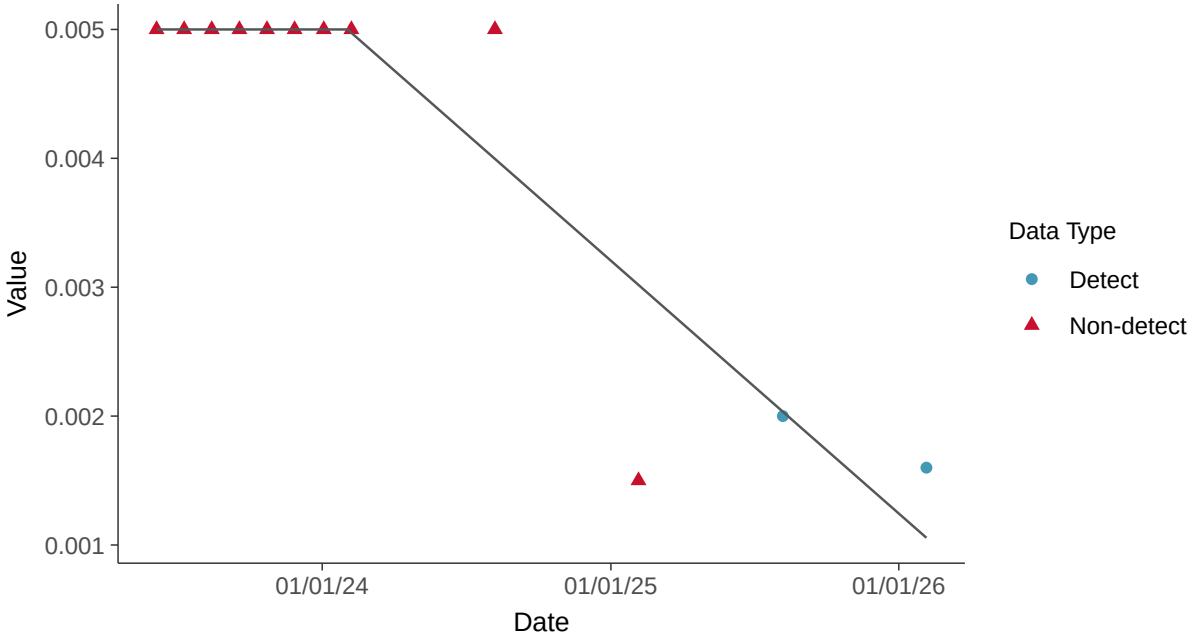
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-100B (mg/l)



Trend Regression: Piecewise Linear-Linear

Nickel, MW-100B (mg/l)

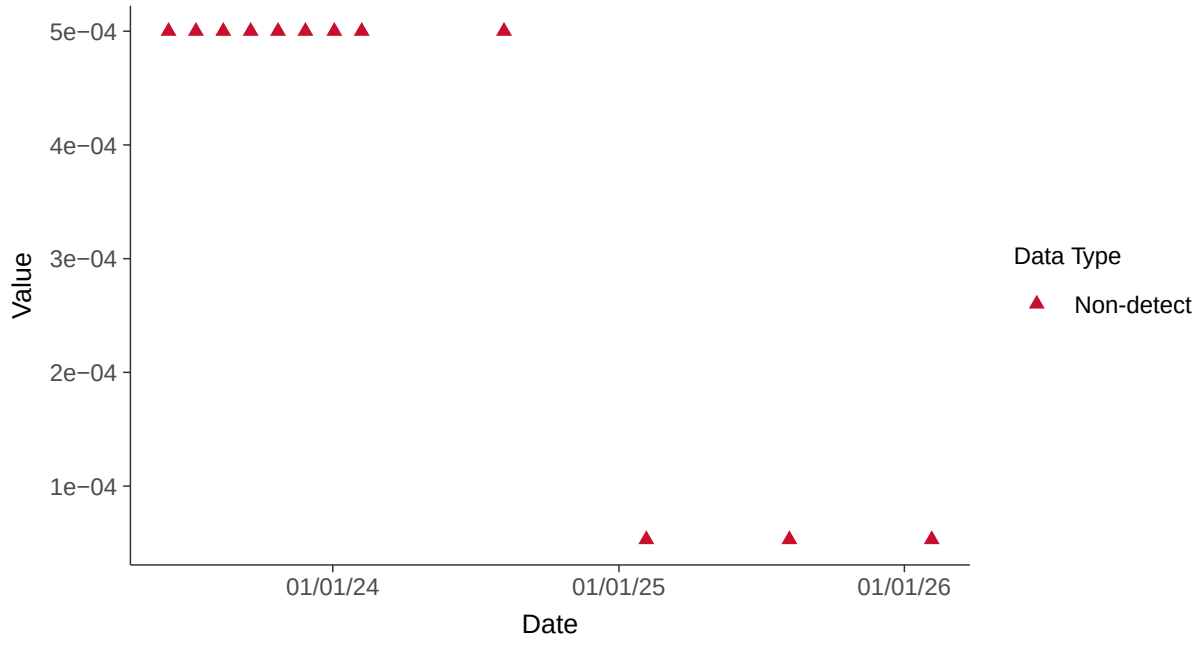


Part 115: Silver, MW-100B

ID: 33_5_123

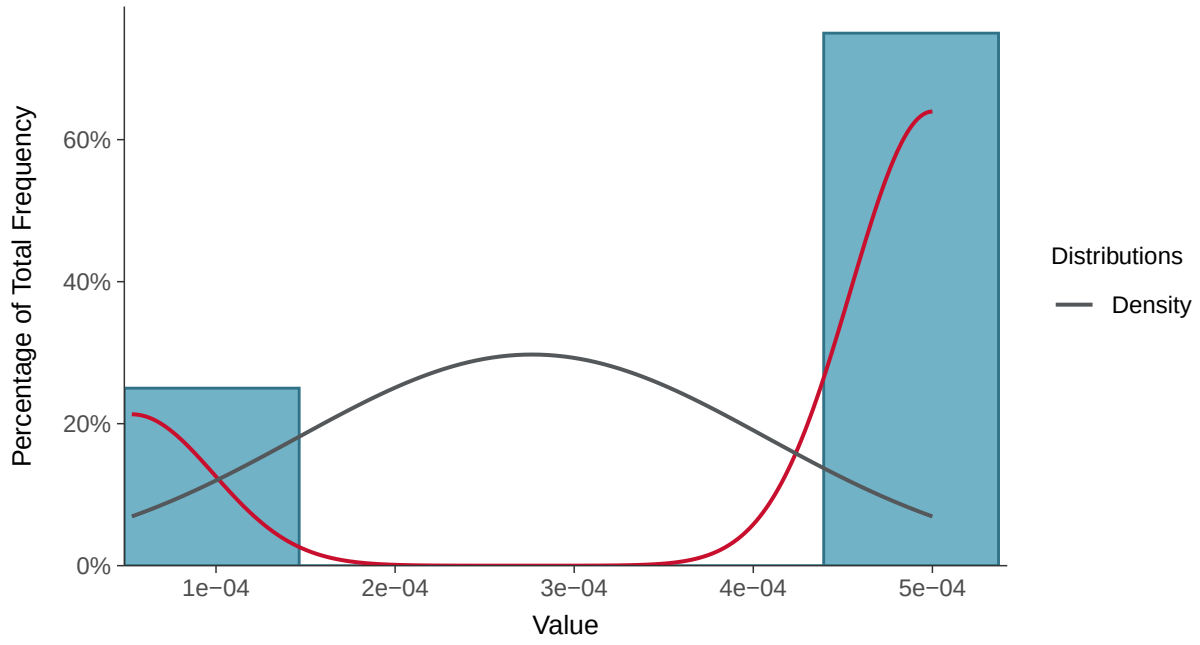
Scatter Plot

Silver, MW-100B (mg/l)



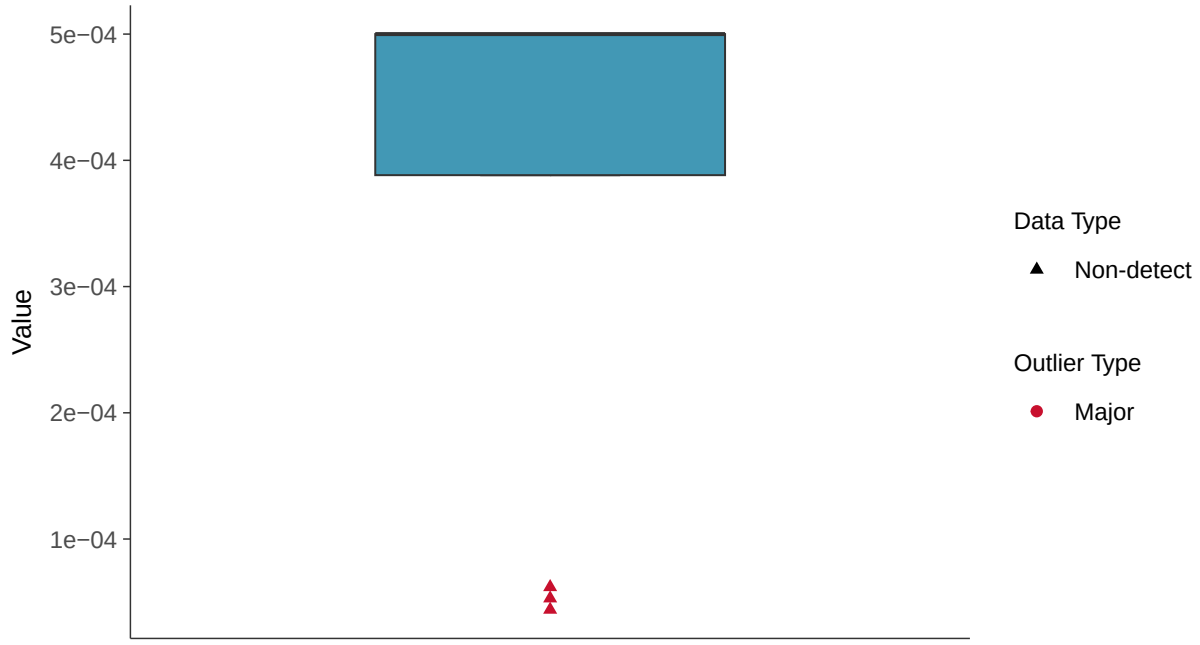
Histogram

Silver, MW-100B (mg/l)



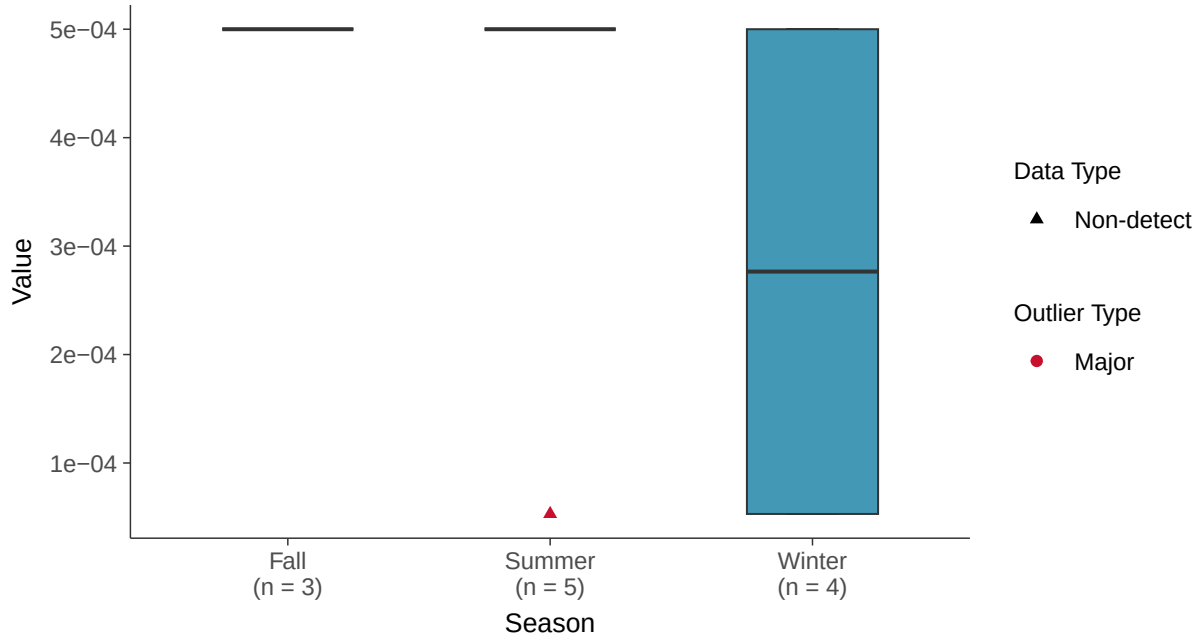
Boxplot

Silver, MW-100B (mg/l)



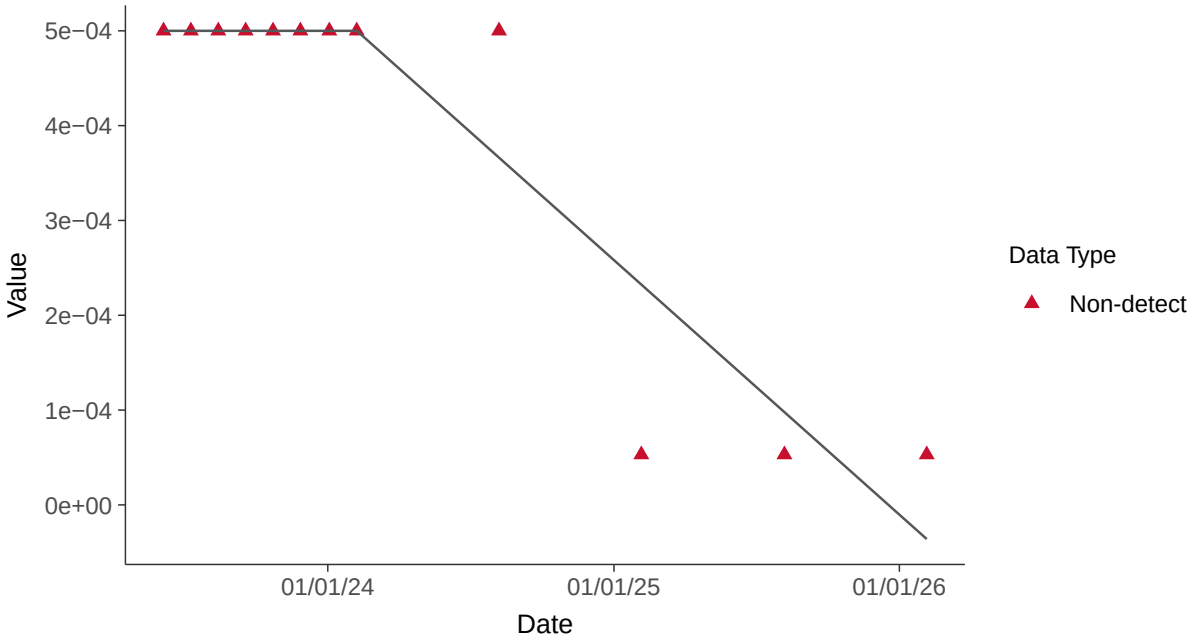
Boxplot by Season

Silver, MW-100B (mg/l)



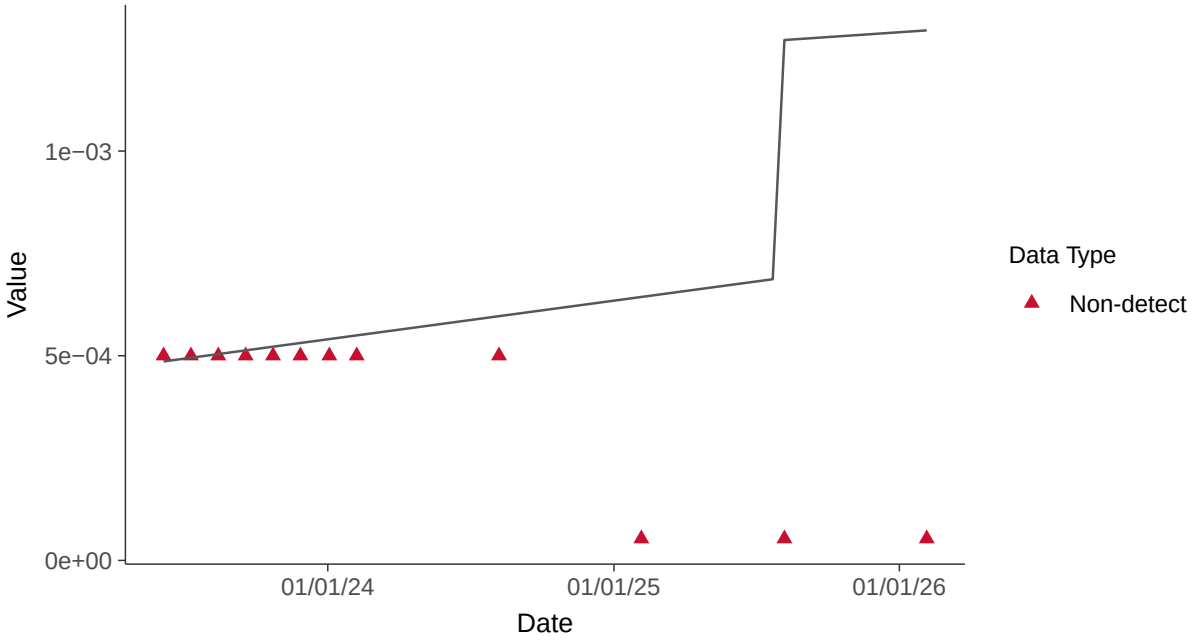
Trend Regression: Piecewise Linear-Linear

Silver, MW-100B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Silver, MW-100B (mg/l)

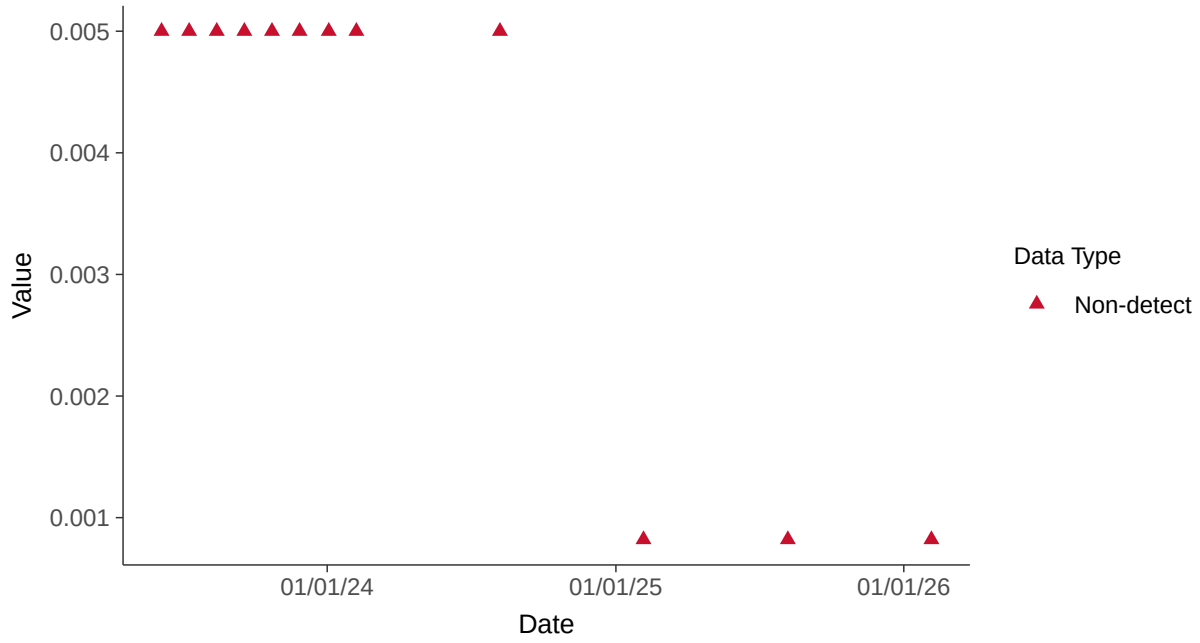


Part 115: Vanadium, MW-100B

ID: 33_5_128

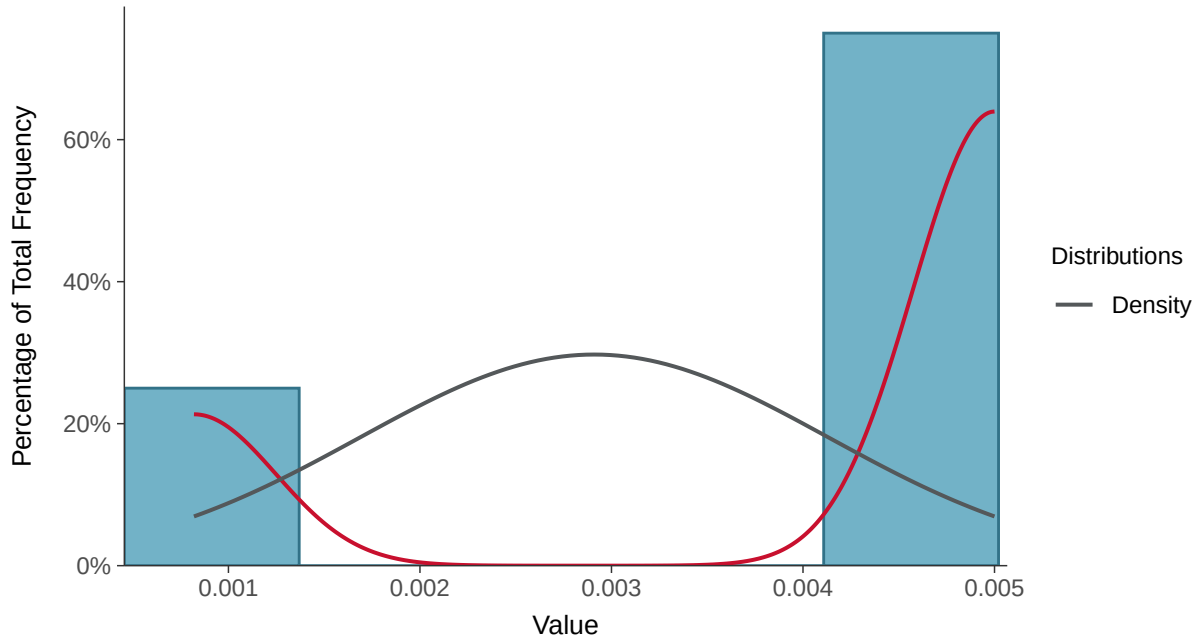
Scatter Plot

Vanadium, MW-100B (mg/l)



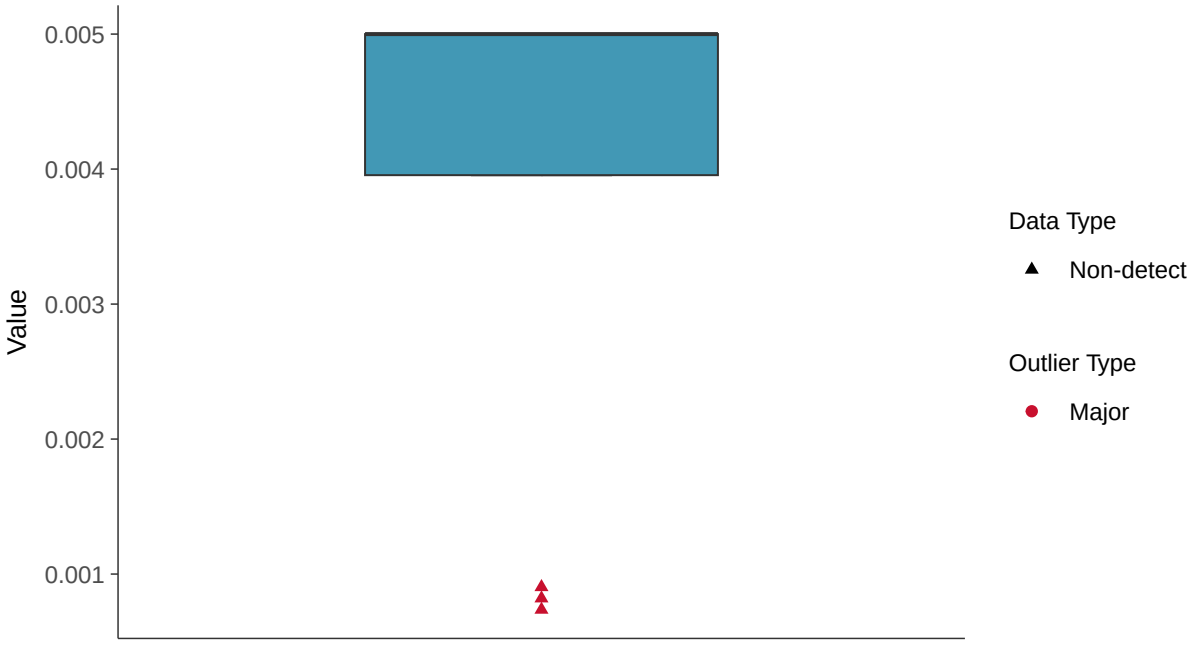
Histogram

Vanadium, MW-100B (mg/l)



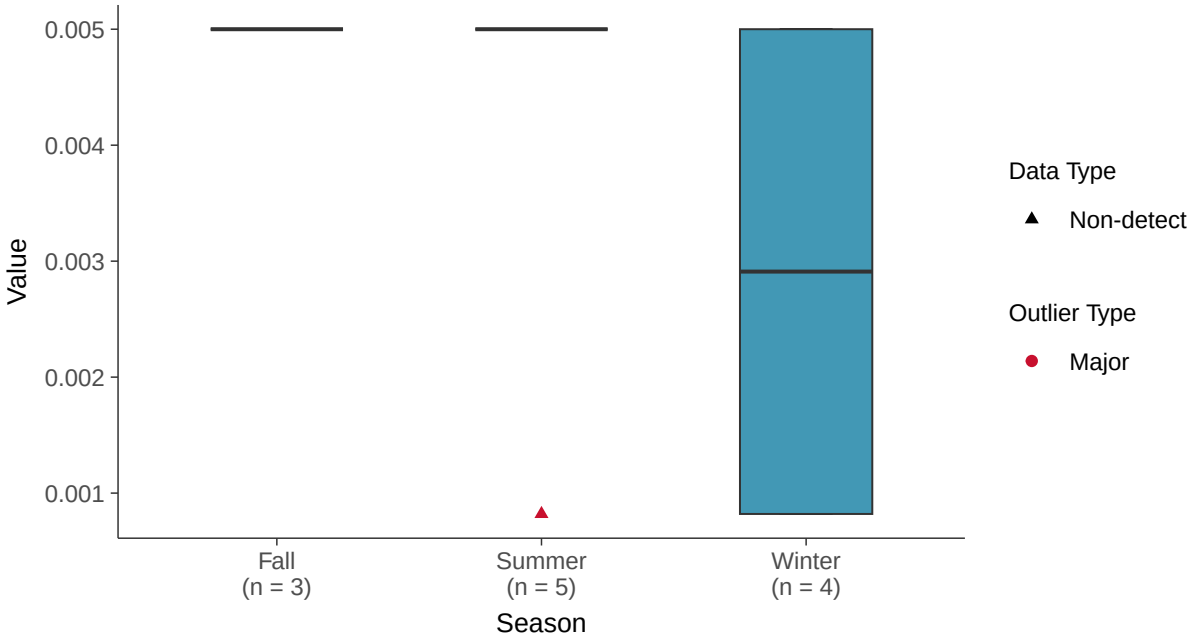
Boxplot

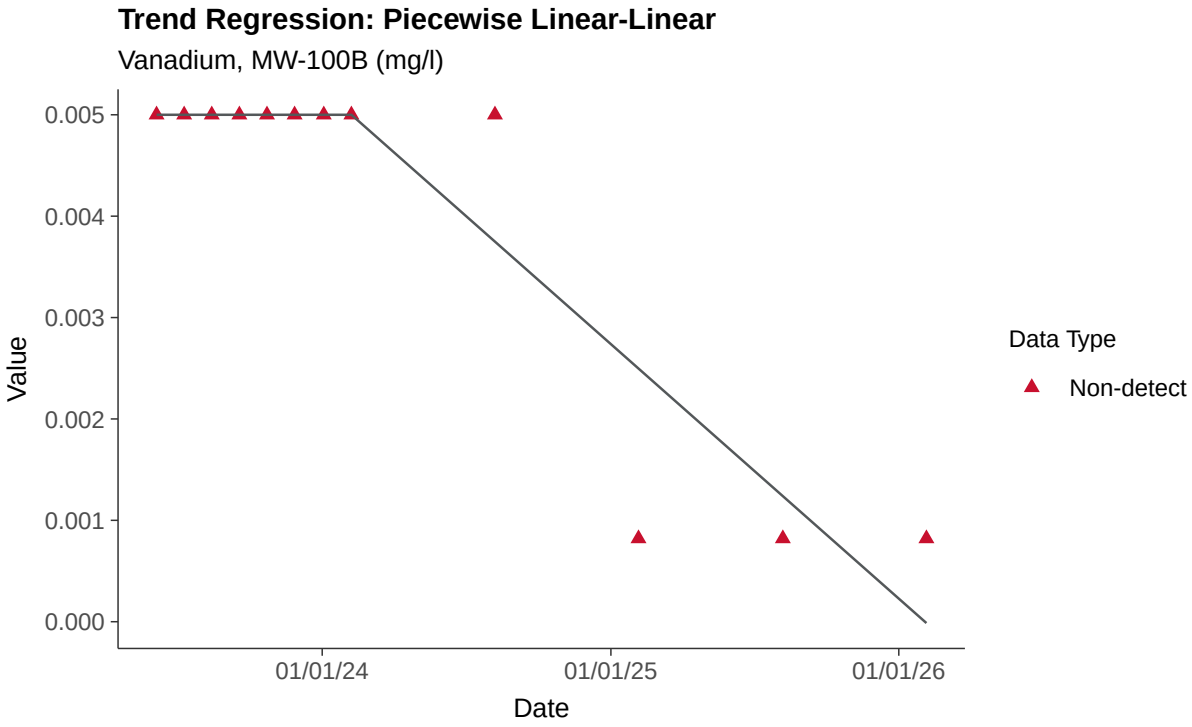
Vanadium, MW-100B (mg/l)



Boxplot by Season

Vanadium, MW-100B (mg/l)




Trend Regression: Piecewise Linear-Linear
Vanadium, MW-100B (mg/l)
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0.003
0.002
0.001
0.000
Value
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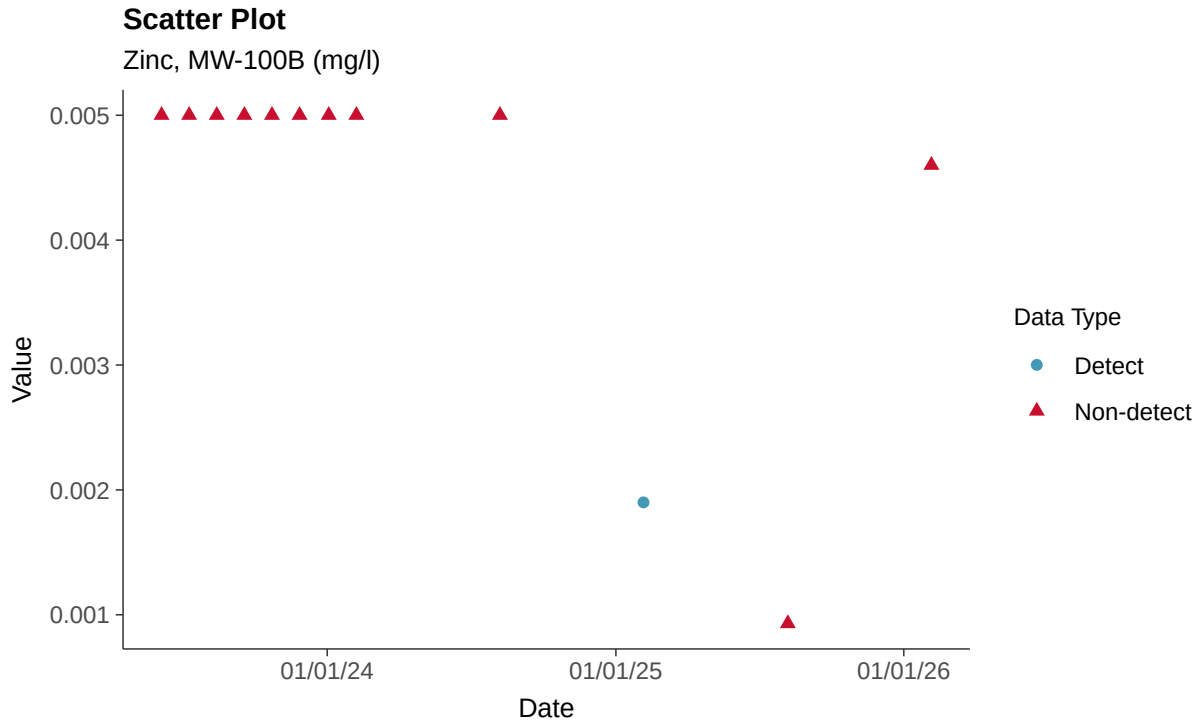
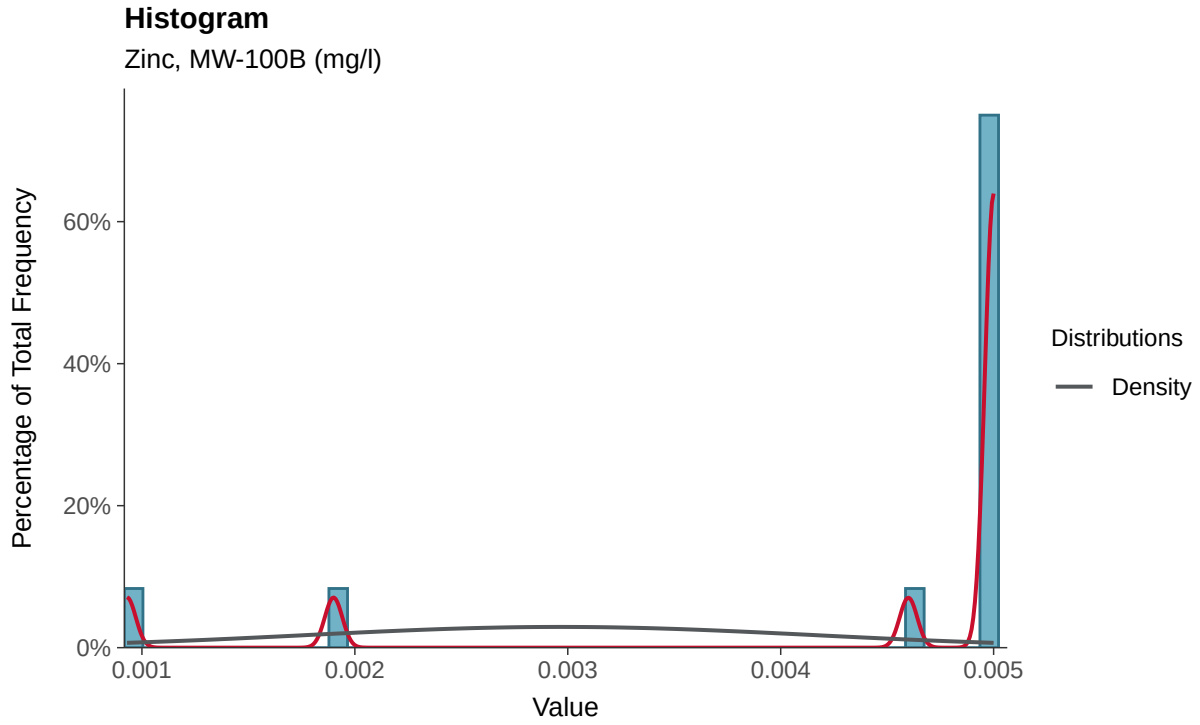
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-100B

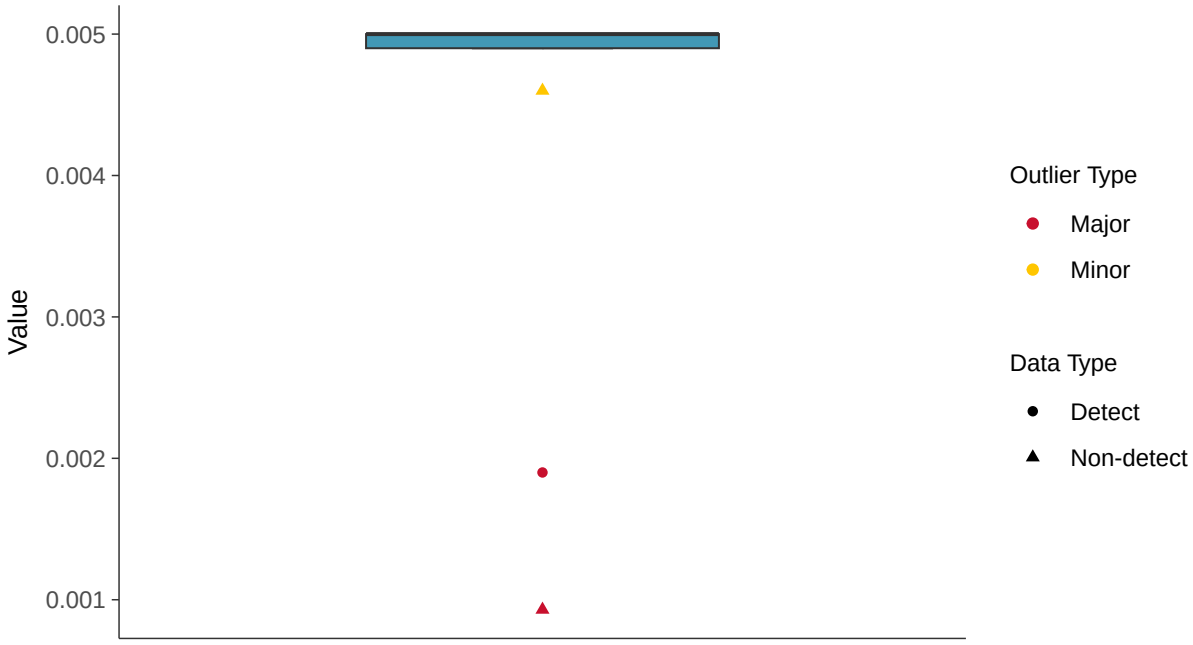
ID: 33_5_129





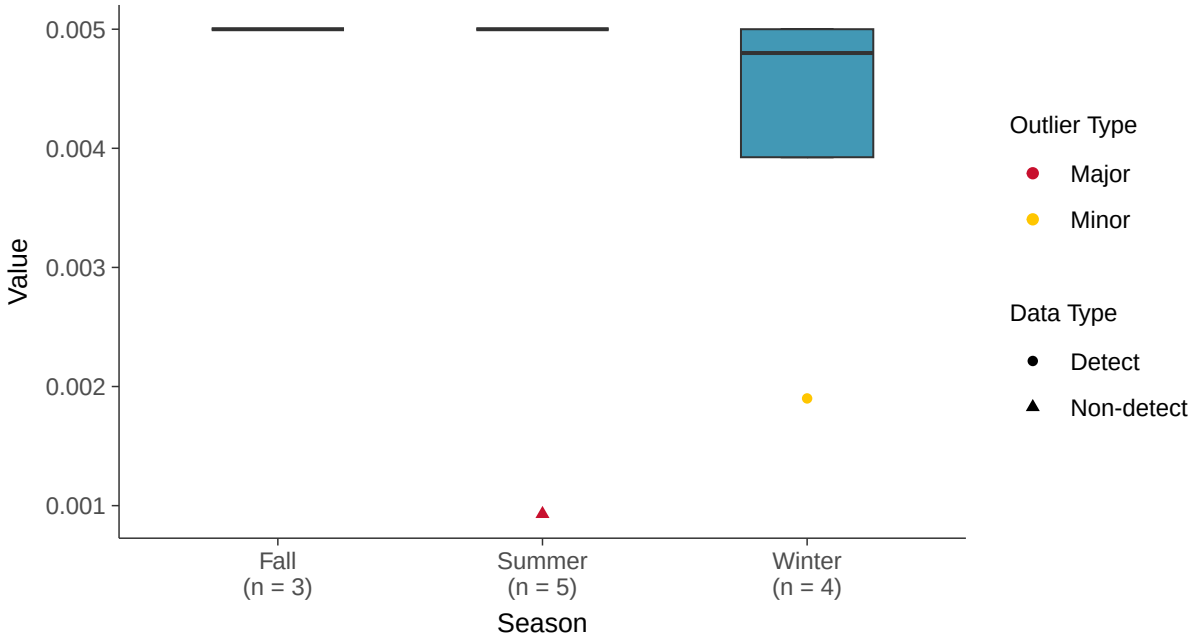
Boxplot

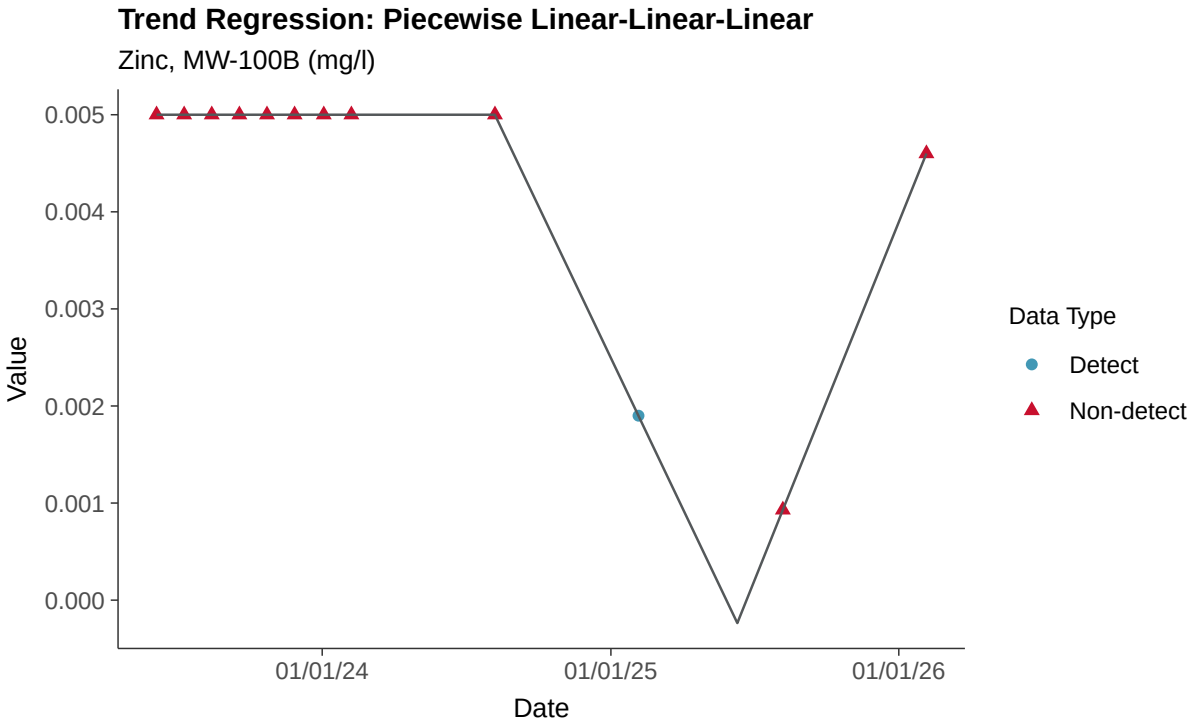
Zinc, MW-100B (mg/l)



Boxplot by Season

Zinc, MW-100B (mg/l)




Trend Regression: Piecewise Linear-Linear-Linear
Zinc, MW-100B (mg/l)
Value
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0.003
0.002
0.001
0.000
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Table 1: Summary Statistics, Non-Detects Included

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
11_2_105	MW-7B	Appendix III	Boron	mg/l	15	0	0%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	2.97	2.98	2.80	3.17	0.0991	0.0334	-0.0481
11_2_107	MW-7B	Appendix III	Calcium	mg/l	15	0	0%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	8.89	8.87	7.60	10.2	0.661	0.0744	-0.140
11_2_108	MW-7B	Appendix III	Chloride	mg/l	15	10	67%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	3.77	5.00	0.820	5.00	1.83	0.486	-0.876
11_2_112	MW-7B	Appendix III	Fluoride	mg/l	15	10	67%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	0.883	1.00	0.300	1.00	0.205	0.232	-2.0
11_2_120	MW-7B	Appendix III	pH, Field	su	15	0	0%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	7.96	8.00	7.73	8.17	0.157	0.0197	-0.102
11_2_124	MW-7B	Appendix III	Sulfate	mg/l	15	10	67%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	3.71	5.00	0.370	5.00	1.93	0.519	-0.942
11_2_126	MW-7B	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	363	362	350	376	8.16	0.0225	0.152
11_3_101	MW-7B	Appendix IV	Antimony	mg/l	15	15	100%	2022-03-09 to 2026-02-05		Nonparametric	0.00411	0.00500	0.000570	0.00500	0.00183	0.446	-1.67
11_3_102	MW-7B	Appendix IV	Arsenic	mg/l	15	12	80%	2022-03-09 to 2026-02-05		Nonparametric	0.00197	0.00200	0.000750	0.00300	0.000605	0.307	-0.556
11_3_103	MW-7B	Appendix IV	Barium	mg/l	15	0	0%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.00879	0.00900	0.00750	0.0110	0.00108	0.122	0.609
11_3_104	MW-7B	Appendix IV	Beryllium	mg/l	15	14	93%	2022-03-09 to 2026-02-05		Nonparametric	0.000854	0.00100	0.000270	0.00100	0.000302	0.354	-1.67
11_3_106	MW-7B	Appendix IV	Cadmium	mg/l	15	14	93%	2022-03-09 to 2026-02-05		Nonparametric	0.000420	0.000500	0.0000770	0.000500	0.000166	0.395	-1.71
11_3_109	MW-7B	Appendix IV	Chromium	mg/l	15	15	100%	2022-03-09 to 2026-02-05		Nonparametric	0.00424	0.00500	0.00120	0.00500	0.00157	0.371	-1.67
11_3_110	MW-7B	Appendix IV	Cobalt	mg/l	15	14	93%	2022-03-09 to 2026-02-05		Nonparametric	0.00402	0.00500	0.0000860	0.00500	0.00203	0.506	-1.67
11_3_113	MW-7B	Appendix IV	Fluoride (App IV)	mg/l	15	10	67%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	0.883	1.00	0.300	1.00	0.205	0.232	-2.0
11_3_115	MW-7B	Appendix IV	Lead	mg/l	15	14	93%	2022-03-09 to 2026-02-05		Nonparametric	0.00309	0.00300	0.000450	0.0120	0.00268	0.867	2.80
11_3_116	MW-7B	Appendix IV	Lithium	mg/l	15	0	0%	2022-03-09 to 2026-02-05	Nonparametric	Nonparametric	0.0317	0.0320	0.0280	0.0340	0.00135	0.0425	-1.12
11_3_117	MW-7B	Appendix IV	Mercury	mg/l	15	15	100%	2022-03-09 to 2026-02-05		Nonparametric	0.000186	0.000200	0.000130	0.000200	0.0000290	0.156	-1.67
11_3_118	MW-7B	Appendix IV	Molybdenum	mg/l	15	15	100%	2022-03-09 to 2026-02-05		Nonparametric	0.00422	0.00500	0.00110	0.00500	0.00161	0.383	-1.67
11_3_121	MW-7B	Appendix IV	Radium-226+228	pci/l	15	1	7%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.23	1.09	0.378	2.73	0.715	0.582	0.786
11_3_122	MW-7B	Appendix IV	Selenium	mg/l	15	15	100%	2022-03-09 to 2026-02-05		Nonparametric	0.00418	0.00500	0.000890	0.00500	0.00170	0.407	-1.67
11_3_125	MW-7B	Appendix IV	Thallium	mg/l	15	15	100%	2022-03-09 to 2026-02-05		Nonparametric	0.00170	0.00200	0.000510	0.00200	0.000617	0.362	-1.67
11_5_111	MW-7B	Part 115	Copper	mg/l	15	15	100%	2022-03-09 to 2026-02-05		Nonparametric	0.00434	0.00500	0.00170	0.00500	0.00137	0.315	-1.67
11_5_114	MW-7B	Part 115	Iron	mg/l	15	0	0%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0676	0.0650	0.0300	0.120	0.0257	0.380	0.262
11_5_119	MW-7B	Part 115	Nickel	mg/l	15	15	100%	2022-03-09 to 2026-02-05		Nonparametric	0.00430	0.00500	0.00150	0.00500	0.00145	0.337	-1.67
11_5_123	MW-7B	Part 115	Silver	mg/l	15	15	100%	2022-03-09 to 2026-02-05		Nonparametric	0.000411	0.000500	0.0000530	0.000500	0.000185	0.451	-1.67
11_5_128	MW-7B	Part 115	Vanadium	mg/l	15	15	100%	2022-03-09 to 2026-02-05		Nonparametric	0.00416	0.00500	0.000820	0.00500	0.00173	0.416	-1.67
11_5_129	MW-7B	Part 115	Zinc	mg/l	15	14	93%	2022-03-09 to 2026-02-05		Nonparametric	0.00420	0.00500	0.000930	0.00500	0.00166	0.396	-1.67
12_2_105	MW-16C	Appendix III	Boron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	0.399	0.400	0.340	0.430	0.0206	0.0515	-1.75
12_2_107	MW-16C	Appendix III	Calcium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	72.0	73.0	62.1	77.2	5.00	0.0695	-0.916
12_2_108	MW-16C	Appendix III	Chloride	mg/l	14	6	43%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	3.59	3.75	1.10	8.00	2.10	0.586	0.453
12_2_112	MW-16C	Appendix III	Fluoride	mg/l	14	8	57%	2023-02-02 to 2026-02-09		Nonparametric	0.702	0.755	0.200	1.00	0.324	0.462	-0.330
12_2_120	MW-16C	Appendix III	pH, Field	su	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	7.30	7.29	7.14	7.46	0.118	0.0162	0.0935
12_2_124	MW-16C	Appendix III	Sulfate	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	9.17	8.00	7.00	19.0	3.13	0.341	2.70
12_2_126	MW-16C	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	337	331	310	418	27.3	0.0811	2.30
12_3_101	MW-16C	Appendix IV	Antimony	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00405	0.00500	0.000570	0.00500	0.00189	0.466	-1.57
12_3_102	MW-16C	Appendix IV	Arsenic	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	0.00187	0.00200	0.000750	0.00300	0.000705	0.376	-0.360
12_3_103	MW-16C	Appendix IV	Barium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	0.0356	0.0315	0.0240	0.0610	0.0110	0.310	1.25
12_3_104	MW-16C	Appendix IV	Beryllium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000844	0.00100	0.000270	0.00100	0.000311	0.368	-1.57
12_3_106	MW-16C	Appendix IV	Cadmium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000409	0.000500	0.0000770	0.000500	0.000180	0.440	-1.57
12_3_109	MW-16C	Appendix IV	Chromium	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.00461	0.00500	0.00120	0.0110	0.00244	0.528	0.877
12_3_110	MW-16C	Appendix IV	Cobalt	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00395	0.00500	0.0000860	0.00500	0.00209	0.530	-1.57

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
12_3_113	MW-16C	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	2023-02-02 to 2026-02-09		Nonparametric	0.702	0.755	0.200	1.00	0.324	0.462	-0.330
12_3_115	MW-16C	Appendix IV	Lead	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00245	0.00300	0.000450	0.00300	0.00109	0.443	-1.57
12_3_116	MW-16C	Appendix IV	Lithium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	0.0275	0.0275	0.0250	0.0300	0.00156	0.0566	0
12_3_117	MW-16C	Appendix IV	Mercury	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000185	0.000200	0.000130	0.000200	0.0000298	0.161	-1.57
12_3_118	MW-16C	Appendix IV	Molybdenum	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	0.00459	0.00500	0.00110	0.00900	0.00221	0.480	-0.231
12_3_121	MW-16C	Appendix IV	Radium-226+228	pci/l	14	3	21%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	1.34	1.05	0.225	3.60	0.999	0.746	0.957
12_3_122	MW-16C	Appendix IV	Selenium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00412	0.00500	0.000890	0.00500	0.00175	0.425	-1.57
12_3_125	MW-16C	Appendix IV	Thallium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00168	0.00200	0.000510	0.00200	0.000634	0.377	-1.57
12_5_111	MW-16C	Part 115	Copper	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00429	0.00500	0.00170	0.00500	0.00141	0.327	-1.57
12_5_114	MW-16C	Part 115	Iron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	0.531	0.475	0.320	1.10	0.202	0.381	1.90
12_5_119	MW-16C	Part 115	Nickel	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00425	0.00500	0.00150	0.00500	0.00149	0.351	-1.57
12_5_123	MW-16C	Part 115	Silver	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000404	0.000500	0.0000530	0.000500	0.000190	0.471	-1.57
12_5_128	MW-16C	Part 115	Vanadium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00410	0.00500	0.000820	0.00500	0.00178	0.434	-1.57
12_5_129	MW-16C	Part 115	Zinc	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.00416	0.00500	0.000930	0.00500	0.00167	0.401	-1.58
13_2_105	MW-16D	Appendix III	Boron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	4.58	4.61	4.10	5.01	0.234	0.0511	-0.354
13_2_107	MW-16D	Appendix III	Calcium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Normal	Gamma	29.2	29.1	27.0	30.5	0.865	0.0296	-0.796
13_2_108	MW-16D	Appendix III	Chloride	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	7.15	7.00	6.00	8.00	0.586	0.0819	-0.00354
13_2_112	MW-16D	Appendix III	Fluoride	mg/l	14	8	57%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Nonparametric	0.788	0.880	0.360	1.00	0.251	0.318	-0.670
13_2_120	MW-16D	Appendix III	pH, Field	su	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	7.56	7.53	7.44	7.83	0.115	0.0152	1.24
13_2_124	MW-16D	Appendix III	Sulfate	mg/l	14	1	7%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	6.16	5.85	3.40	13.0	2.43	0.395	1.87
13_2_126	MW-16D	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	374	375	360	396	9.57	0.0256	0.545
13_3_101	MW-16D	Appendix IV	Antimony	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00405	0.00500	0.000570	0.00500	0.00189	0.466	-1.57
13_3_102	MW-16D	Appendix IV	Arsenic	mg/l	14	3	21%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	0.00296	0.00300	0.00200	0.00400	0.000784	0.265	0.248
13_3_103	MW-16D	Appendix IV	Barium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	0.0346	0.0350	0.0290	0.0380	0.00259	0.0750	-1.02
13_3_104	MW-16D	Appendix IV	Beryllium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000844	0.00100	0.000270	0.00100	0.000311	0.368	-1.57
13_3_106	MW-16D	Appendix IV	Cadmium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000409	0.000500	0.0000770	0.000500	0.000180	0.440	-1.57
13_3_109	MW-16D	Appendix IV	Chromium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00419	0.00500	0.00120	0.00500	0.00162	0.387	-1.57
13_3_110	MW-16D	Appendix IV	Cobalt	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00395	0.00500	0.0000860	0.00500	0.00209	0.530	-1.57
13_3_113	MW-16D	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Nonparametric	0.788	0.880	0.360	1.00	0.251	0.318	-0.670
13_3_115	MW-16D	Appendix IV	Lead	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00245	0.00300	0.000450	0.00300	0.00109	0.443	-1.57
13_3_116	MW-16D	Appendix IV	Lithium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	0.0298	0.0300	0.0220	0.0390	0.00366	0.123	0.474
13_3_117	MW-16D	Appendix IV	Mercury	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000185	0.000200	0.000130	0.000200	0.0000298	0.161	-1.57
13_3_118	MW-16D	Appendix IV	Molybdenum	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	0.00981	0.0100	0.00500	0.0120	0.00171	0.174	-1.81
13_3_121	MW-16D	Appendix IV	Radium-226+228	pci/l	14	2	14%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	1.61	1.28	0.515	4.14	1.13	0.700	1.07
13_3_122	MW-16D	Appendix IV	Selenium	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.00419	0.00500	0.000890	0.00600	0.00181	0.431	-1.47
13_3_125	MW-16D	Appendix IV	Thallium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00168	0.00200	0.000510	0.00200	0.000634	0.377	-1.57
13_5_111	MW-16D	Part 115	Copper	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.00465	0.00500	0.00170	0.0100	0.00207	0.446	0.769
13_5_114	MW-16D	Part 115	Iron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Normal	Gamma	0.321	0.350	0.0600	0.550	0.146	0.455	-0.472
13_5_119	MW-16D	Part 115	Nickel	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00425	0.00500	0.00150	0.00500	0.00149	0.351	-1.57
13_5_123	MW-16D	Part 115	Silver	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.000404	0.000500	0.0000530	0.000500	0.000190	0.471	-1.57
13_5_128	MW-16D	Part 115	Vanadium	mg/l	14	14	100%	2023-02-02 to 2026-02-09		Nonparametric	0.00410	0.00500	0.000820	0.00500	0.00178	0.434	-1.57
13_5_129	MW-16D	Part 115	Zinc	mg/l	14	1	7%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	0.0498	0.0125	0.00110	0.271	0.0819	1.64	2.07

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
14_2_105	MW-17D	Appendix III	Boron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	2.37	2.47	1.67	2.60	0.286	0.121	-2.19
14_2_107	MW-17D	Appendix III	Calcium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	57.4	51.0	50.0	92.5	14.3	0.250	2.30
14_2_108	MW-17D	Appendix III	Chloride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	13.1	7.30	3.60	65.9	19.9	1.52	2.92
14_2_112	MW-17D	Appendix III	Fluoride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	0.394	0.430	0.270	0.470	0.0825	0.209	-0.771
14_2_120	MW-17D	Appendix III	pH, Field	su	11	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.47	7.48	7.37	7.60	0.0630	0.00843	0.241
14_2_124	MW-17D	Appendix III	Sulfate	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	47.1	8.00	2.00	315	102	2.18	2.80
14_2_126	MW-17D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	361	290	280	828	177	0.492	2.87
14_3_101	MW-17D	Appendix IV	Antimony	mg/l	9	7	78%	2024-10-08 to 2026-02-10		Nonparametric	0.00206	0.000590	0.000570	0.00500	0.00221	1.07	0.857
14_3_102	MW-17D	Appendix IV	Arsenic	mg/l	9	2	22%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.00162	0.00130	0.000750	0.00400	0.00101	0.621	1.86
14_3_103	MW-17D	Appendix IV	Barium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	0.0467	0.0430	0.0390	0.0720	0.0100	0.215	2.42
14_3_104	MW-17D	Appendix IV	Beryllium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000513	0.000270	0.000270	0.00100	0.000365	0.711	0.857
14_3_106	MW-17D	Appendix IV	Cadmium	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.000728	0.0000770	0.0000770	0.00500	0.00161	2.21	2.93
14_3_109	MW-17D	Appendix IV	Chromium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00747	0.00120	0.00120	0.0500	0.0160	2.15	2.94
14_3_110	MW-17D	Appendix IV	Cobalt	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.00175	0.0000860	0.0000860	0.00500	0.00244	1.39	0.853
14_3_113	MW-17D	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	0.394	0.430	0.270	0.470	0.0825	0.209	-0.771
14_3_115	MW-17D	Appendix IV	Lead	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00130	0.000450	0.000450	0.00300	0.00128	0.981	0.857
14_3_116	MW-17D	Appendix IV	Lithium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	0.0386	0.0360	0.0320	0.0690	0.0116	0.300	2.85
14_3_117	MW-17D	Appendix IV	Mercury	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000153	0.000130	0.000130	0.000200	0.0000350	0.228	0.857
14_3_118	MW-17D	Appendix IV	Molybdenum	mg/l	9	1	11%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	0.0159	0.00500	0.00240	0.105	0.0335	2.11	2.99
14_3_121	MW-17D	Appendix IV	Radium-226+228	pci/l	9	2	22%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1.65	1.12	0.569	3.83	1.08	0.655	1.30
14_3_122	MW-17D	Appendix IV	Selenium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00226	0.000890	0.000890	0.00500	0.00205	0.909	0.857
14_3_125	MW-17D	Appendix IV	Thallium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00101	0.000510	0.000510	0.00200	0.000745	0.740	0.857
14_5_111	MW-17D	Part 115	Copper	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00780	0.00170	0.00170	0.0500	0.0159	2.04	2.95
14_5_114	MW-17D	Part 115	Iron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Lognormal	Lognormal	0.779	0.700	0.230	1.98	0.482	0.619	2.21
14_5_119	MW-17D	Part 115	Nickel	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00767	0.00150	0.00150	0.0500	0.0159	2.08	2.95
14_5_123	MW-17D	Part 115	Silver	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000702	0.0000530	0.0000530	0.00500	0.00162	2.31	2.92
14_5_128	MW-17D	Part 115	Vanadium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00221	0.000820	0.000820	0.00500	0.00209	0.944	0.857
14_5_129	MW-17D	Part 115	Zinc	mg/l	9	5	56%	2024-10-08 to 2026-02-10		Nonparametric	0.482	0.00500	0.000930	4.30	1.43	2.97	3.0
15_2_105	MW-17E	Appendix III	Boron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	3.08	3.19	2.36	3.50	0.378	0.123	-1.08
15_2_107	MW-17E	Appendix III	Calcium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	13.8	5.50	5.20	46.7	16.6	1.20	1.68
15_2_108	MW-17E	Appendix III	Chloride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	3.81	1.50	1.30	12.0	4.19	1.10	1.60
15_2_112	MW-17E	Appendix III	Fluoride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Normal	Normal	1.03	1.20	0.220	1.30	0.338	0.328	-2.00
15_2_120	MW-17E	Appendix III	pH, Field	su	11	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	7.94	8.04	7.10	8.15	0.301	0.0379	-2.53
15_2_124	MW-17E	Appendix III	Sulfate	mg/l	9	3	33%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	20.7	0.960	0.0400	170	56.1	2.72	2.98
15_2_126	MW-17E	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	381	360	316	540	63.3	0.166	2.32
15_3_101	MW-17E	Appendix IV	Antimony	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00205	0.000570	0.000570	0.00500	0.00221	1.08	0.857
15_3_102	MW-17E	Appendix IV	Arsenic	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00117	0.000750	0.000750	0.00200	0.000625	0.536	0.857
15_3_103	MW-17E	Appendix IV	Barium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	0.0101	0.00500	0.00410	0.0420	0.0124	1.24	2.63
15_3_104	MW-17E	Appendix IV	Beryllium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000513	0.000270	0.000270	0.00100	0.000365	0.711	0.857
15_3_106	MW-17E	Appendix IV	Cadmium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000718	0.0000770	0.0000770	0.00500	0.00162	2.25	2.93
15_3_109	MW-17E	Appendix IV	Chromium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00747	0.00120	0.00120	0.0500	0.0160	2.15	2.94
15_3_110	MW-17E	Appendix IV	Cobalt	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.00174	0.0000860	0.0000860	0.00500	0.00244	1.40	0.856

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
15_3_113	MW-17E	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Normal	Normal	1.03	1.20	0.220	1.30	0.338	0.328	-2.00
15_3_115	MW-17E	Appendix IV	Lead	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00130	0.000450	0.000450	0.00300	0.00128	0.981	0.857
15_3_116	MW-17E	Appendix IV	Lithium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0262	0.0260	0.0230	0.0330	0.00299	0.114	1.56
15_3_117	MW-17E	Appendix IV	Mercury	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000153	0.000130	0.000130	0.000200	0.0000350	0.228	0.857
15_3_118	MW-17E	Appendix IV	Molybdenum	mg/l	9	7	78%	2024-10-08 to 2026-02-10		Nonparametric	0.00369	0.00110	0.00110	0.0100	0.00341	0.924	0.949
15_3_121	MW-17E	Appendix IV	Radium-226+228	pci/l	9	5	56%	2024-10-08 to 2026-02-10		Nonparametric	1.30	0.674	0.531	4.42	1.30	0.998	2.19
15_3_122	MW-17E	Appendix IV	Selenium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00226	0.000890	0.000890	0.00500	0.00205	0.909	0.857
15_3_125	MW-17E	Appendix IV	Thallium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00101	0.000510	0.000510	0.00200	0.000745	0.740	0.857
15_5_111	MW-17E	Part 115	Copper	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00780	0.00170	0.00170	0.0500	0.0159	2.04	2.95
15_5_114	MW-17E	Part 115	Iron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	0.0719	0.0500	0.0170	0.260	0.0743	1.03	2.44
15_5_119	MW-17E	Part 115	Nickel	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00767	0.00150	0.00150	0.0500	0.0159	2.08	2.95
15_5_123	MW-17E	Part 115	Silver	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.000702	0.0000530	0.0000530	0.00500	0.00162	2.31	2.92
15_5_128	MW-17E	Part 115	Vanadium	mg/l	9	9	100%	2024-10-08 to 2026-02-10		Nonparametric	0.00221	0.000820	0.000820	0.00500	0.00209	0.944	0.857
15_5_129	MW-17E	Part 115	Zinc	mg/l	9	6	67%	2024-10-08 to 2026-02-10		Nonparametric	0.0594	0.00500	0.000930	0.500	0.165	2.78	3.0
16_2_105	MW-18C	Appendix III	Boron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	2.74	2.85	2.28	3.10	0.299	0.109	-0.535
16_2_107	MW-18C	Appendix III	Calcium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	167	170	95.0	220	34.8	0.209	-0.618
16_2_108	MW-18C	Appendix III	Chloride	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	74.4	84.6	23.0	95.2	22.3	0.299	-1.54
16_2_112	MW-18C	Appendix III	Fluoride	mg/l	10	2	20%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.315	0.215	0.110	1.00	0.264	0.838	2.33
16_2_120	MW-18C	Appendix III	pH, Field	su	12	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	7.23	7.22	7.07	7.35	0.0853	0.0118	-0.254
16_2_124	MW-18C	Appendix III	Sulfate	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Normal	Gamma	436	452	140	582	134	0.306	-1.16
16_2_126	MW-18C	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	960	970	550	1260	198	0.206	-0.730
16_3_101	MW-18C	Appendix IV	Antimony	mg/l	10	9	90%	2024-10-08 to 2026-02-04		Nonparametric	0.00191	0.000570	0.000570	0.00500	0.00213	1.12	1.03
16_3_102	MW-18C	Appendix IV	Arsenic	mg/l	10	6	60%	2024-10-08 to 2026-02-04		Nonparametric	0.00120	0.000875	0.000750	0.00200	0.000576	0.478	0.749
16_3_103	MW-18C	Appendix IV	Barium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0501	0.0525	0.0280	0.0600	0.00979	0.195	-1.31
16_3_104	MW-18C	Appendix IV	Beryllium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000489	0.000270	0.000270	0.00100	0.000353	0.721	1.04
16_3_106	MW-18C	Appendix IV	Cadmium	mg/l	10	9	90%	2024-10-08 to 2026-02-04		Nonparametric	0.000656	0.0000770	0.0000770	0.00500	0.00154	2.34	3.09
16_3_109	MW-18C	Appendix IV	Chromium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00684	0.00120	0.00120	0.0500	0.0152	2.23	3.10
16_3_110	MW-18C	Appendix IV	Cobalt	mg/l	10	5	50%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Nonparametric	0.00158	0.000135	0.0000860	0.00500	0.00236	1.49	1.03
16_3_113	MW-18C	Appendix IV	Fluoride (App IV)	mg/l	10	2	20%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.315	0.215	0.110	1.00	0.264	0.838	2.33
16_3_115	MW-18C	Appendix IV	Lead	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00121	0.000450	0.000450	0.00300	0.00123	1.01	1.04
16_3_116	MW-18C	Appendix IV	Lithium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0887	0.0855	0.0570	0.123	0.0180	0.203	0.380
16_3_117	MW-18C	Appendix IV	Mercury	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000151	0.000130	0.000130	0.000200	0.0000338	0.224	1.04
16_3_118	MW-18C	Appendix IV	Molybdenum	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.101	0.105	0.0300	0.140	0.0317	0.313	-1.17
16_3_121	MW-18C	Appendix IV	Radium-226+228	pci/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	2.30	2.25	1.44	3.97	0.851	0.370	0.848
16_3_122	MW-18C	Appendix IV	Selenium	mg/l	10	9	90%	2024-10-08 to 2026-02-04		Nonparametric	0.00219	0.000890	0.000890	0.00500	0.00195	0.888	0.990
16_3_125	MW-18C	Appendix IV	Thallium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000957	0.000510	0.000510	0.00200	0.000720	0.752	1.04
16_5_111	MW-18C	Part 115	Copper	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00719	0.00170	0.00170	0.0500	0.0151	2.10	3.11
16_5_114	MW-18C	Part 115	Iron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	2.71	2.71	0.890	4.09	0.886	0.327	-0.541
16_5_119	MW-18C	Part 115	Nickel	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0125	0.00925	0.00250	0.0500	0.0134	1.08	2.92
16_5_123	MW-18C	Part 115	Silver	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000637	0.0000530	0.0000530	0.00500	0.00154	2.42	3.08
16_5_128	MW-18C	Part 115	Vanadium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00207	0.000820	0.000820	0.00500	0.00202	0.974	1.04
16_5_129	MW-18C	Part 115	Zinc	mg/l	10	7	70%	2024-10-08 to 2026-02-04		Nonparametric	0.00369	0.00160	0.000930	0.0150	0.00438	1.18	2.23

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
17_2_105	MW-18D	Appendix III	Boron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	3.47	3.54	2.66	3.90	0.361	0.104	-1.30
17_2_107	MW-18D	Appendix III	Calcium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal	Gamma	76.5	61.0	34.0	202	47.1	0.616	2.47
17_2_108	MW-18D	Appendix III	Chloride	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	37.8	33.0	13.0	94.1	22.5	0.595	1.93
17_2_112	MW-18D	Appendix III	Fluoride	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.932	1.00	0.500	1.30	0.275	0.295	-0.517
17_2_120	MW-18D	Appendix III	pH, Field	su	12	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	7.82	7.80	7.69	8.01	0.0982	0.0126	0.548
17_2_124	MW-18D	Appendix III	Sulfate	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal	Gamma	210	175	70.0	601	147	0.702	2.43
17_2_126	MW-18D	Appendix III	Total Dissolved Solids	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	614	595	78.0	1260	293	0.477	0.623
17_3_101	MW-18D	Appendix IV	Antimony	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00190	0.000570	0.000570	0.00500	0.00214	1.13	1.04
17_3_102	MW-18D	Appendix IV	Arsenic	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00112	0.000750	0.000750	0.00200	0.000604	0.537	1.04
17_3_103	MW-18D	Appendix IV	Barium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0273	0.0225	0.0140	0.0560	0.0122	0.449	1.59
17_3_104	MW-18D	Appendix IV	Beryllium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000489	0.000270	0.000270	0.00100	0.000353	0.721	1.04
17_3_106	MW-18D	Appendix IV	Cadmium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000654	0.0000770	0.0000770	0.00500	0.00154	2.35	3.09
17_3_109	MW-18D	Appendix IV	Chromium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00684	0.00120	0.00120	0.0500	0.0152	2.23	3.10
17_3_110	MW-18D	Appendix IV	Cobalt	mg/l	10	6	60%	2024-10-08 to 2026-02-04		Nonparametric	0.00161	0.000165	0.0000860	0.00500	0.00234	1.45	1.03
17_3_113	MW-18D	Appendix IV	Fluoride (App IV)	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.932	1.00	0.500	1.30	0.275	0.295	-0.517
17_3_115	MW-18D	Appendix IV	Lead	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00121	0.000450	0.000450	0.00300	0.00123	1.01	1.04
17_3_116	MW-18D	Appendix IV	Lithium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0689	0.0645	0.0420	0.0920	0.0164	0.238	0.0585
17_3_117	MW-18D	Appendix IV	Mercury	mg/l	10	9	90%	2024-10-08 to 2026-02-04		Nonparametric	0.000151	0.000130	0.000130	0.000200	0.0000338	0.224	1.04
17_3_118	MW-18D	Appendix IV	Molybdenum	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0605	0.0505	0.0220	0.116	0.0277	0.457	0.811
17_3_121	MW-18D	Appendix IV	Radium-226+228	pci/l	10	3	30%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	1.62	1.01	0.605	5.17	1.54	0.952	1.83
17_3_122	MW-18D	Appendix IV	Selenium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00212	0.000890	0.000890	0.00500	0.00199	0.935	1.04
17_3_125	MW-18D	Appendix IV	Thallium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000957	0.000510	0.000510	0.00200	0.000720	0.752	1.04
17_5_111	MW-18D	Part 115	Copper	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00719	0.00170	0.00170	0.0500	0.0151	2.10	3.11
17_5_114	MW-18D	Part 115	Iron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal	Gamma	1.43	1.15	0.560	3.73	0.891	0.621	2.21
17_5_119	MW-18D	Part 115	Nickel	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.00806	0.00345	0.00150	0.0500	0.0148	1.83	3.13
17_5_123	MW-18D	Part 115	Silver	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.000637	0.0000530	0.0000530	0.00500	0.00154	2.42	3.08
17_5_128	MW-18D	Part 115	Vanadium	mg/l	10	10	100%	2024-10-08 to 2026-02-04		Nonparametric	0.00207	0.000820	0.000820	0.00500	0.00202	0.974	1.04
17_5_129	MW-18D	Part 115	Zinc	mg/l	10	7	70%	2024-10-08 to 2026-02-04		Nonparametric	0.00379	0.00195	0.000930	0.0150	0.00433	1.14	2.25
18_2_105	MW-19C	Appendix III	Boron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	1.40	1.50	0.640	1.70	0.335	0.238	-1.66
18_2_107	MW-19C	Appendix III	Calcium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	60.2	60.0	57.0	67.0	3.03	0.0504	1.42
18_2_108	MW-19C	Appendix III	Chloride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	2.27	2.00	1.80	3.10	0.472	0.208	0.930
18_2_112	MW-19C	Appendix III	Fluoride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.399	0.410	0.330	0.440	0.0355	0.0890	-1.26
18_2_120	MW-19C	Appendix III	pH, Field	su	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	7.34	7.34	7.20	7.49	0.102	0.0139	-0.00150
18_2_124	MW-19C	Appendix III	Sulfate	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Lognormal	Nonparametric	3.32	1.50	0.670	15.0	4.63	1.40	2.49
18_2_126	MW-19C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	307	310	260	330	22.4	0.0729	-1.10
18_3_101	MW-19C	Appendix IV	Antimony	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000570	0.000570	0.000570	0.000570	0	0	NA
18_3_102	MW-19C	Appendix IV	Arsenic	mg/l	9	6	67%	2025-05-12 to 2026-02-11		Nonparametric	0.000808	0.000750	0.000750	0.00110	0.000117	0.145	2.42
18_3_103	MW-19C	Appendix IV	Barium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Lognormal	Lognormal	0.0383	0.0360	0.0310	0.0540	0.00719	0.188	1.59
18_3_104	MW-19C	Appendix IV	Beryllium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000270	0.000270	0.000270	0.000270	0	0	NA
18_3_106	MW-19C	Appendix IV	Cadmium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.0000770	0.0000770	0.0000770	0.0000770	0	0	NA
18_3_109	MW-19C	Appendix IV	Chromium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.00120	0.00120	0.00120	0.00120	0	0	NA
18_3_110	MW-19C	Appendix IV	Cobalt	mg/l	9	7	78%	2025-05-12 to 2026-02-11		Nonparametric	0.0000917	0.0000860	0.0000860	0.000130	0.0000146	0.159	2.87

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
18_3_113	MW-19C	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.399	0.410	0.330	0.440	0.0355	0.0890	-1.26
18_3_115	MW-19C	Appendix IV	Lead	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000450	0.000450	0.000450	0.000450	0	0	NA
18_3_116	MW-19C	Appendix IV	Lithium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0260	0.0260	0.0230	0.0280	0.00173	0.0666	-0.557
18_3_117	MW-19C	Appendix IV	Mercury	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000130	0.000130	0.000130	0.000130	0	0	NA
18_3_118	MW-19C	Appendix IV	Molybdenum	mg/l	9	7	78%	2025-05-12 to 2026-02-11		Nonparametric	0.00128	0.00110	0.00110	0.00200	0.000356	0.279	1.70
18_3_121	MW-19C	Appendix IV	Radium-226+228	pci/l	9	2	22%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.930	0.902	0.542	1.41	0.312	0.336	0.213
18_3_122	MW-19C	Appendix IV	Selenium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000890	0.000890	0.000890	0.000890	0	0	NA
18_3_125	MW-19C	Appendix IV	Thallium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000510	0.000510	0.000510	0.000510	0	0	NA
18_5_111	MW-19C	Part 115	Copper	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.00170	0.00170	0.00170	0.00170	0	0	NA
18_5_114	MW-19C	Part 115	Iron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.668	0.660	0.520	0.860	0.115	0.172	0.354
18_5_119	MW-19C	Part 115	Nickel	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.00150	0.00150	0.00150	0.00150	0	0	NA
18_5_123	MW-19C	Part 115	Silver	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.0000530	0.0000530	0.0000530	0.0000530	0	0	NA
18_5_128	MW-19C	Part 115	Vanadium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000820	0.000820	0.000820	0.000820	0	0	NA
18_5_129	MW-19C	Part 115	Zinc	mg/l	9	5	56%	2025-05-12 to 2026-02-11		Nonparametric	0.00146	0.000930	0.000930	0.00390	0.00106	0.727	1.99
19_2_105	MW-19D	Appendix III	Boron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.857	0.580	0.520	3.20	0.879	1.03	3.0
19_2_107	MW-19D	Appendix III	Calcium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	60.4	67.0	6.40	69.0	20.3	0.336	-2.96
19_2_108	MW-19D	Appendix III	Chloride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	1.93	1.30	1.00	7.70	2.17	1.12	2.98
19_2_112	MW-19D	Appendix III	Fluoride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.533	0.420	0.370	1.50	0.363	0.681	2.98
19_2_120	MW-19D	Appendix III	pH, Field	su	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	7.41	7.30	7.11	8.61	0.466	0.0629	2.66
19_2_124	MW-19D	Appendix III	Sulfate	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	10.1	11.0	3.10	12.0	2.73	0.269	-2.62
19_2_126	MW-19D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	334	310	300	510	67.3	0.201	2.77
19_3_101	MW-19D	Appendix IV	Antimony	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000570	0.000570	0.000570	0.000570	0	0	NA
19_3_102	MW-19D	Appendix IV	Arsenic	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.000900	0.000750	0.000750	0.00210	0.000450	0.500	3.00
19_3_103	MW-19D	Appendix IV	Barium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.0496	0.0510	0.0340	0.0560	0.00635	0.128	-2.12
19_3_104	MW-19D	Appendix IV	Beryllium	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.000321	0.000270	0.000270	0.000730	0.000153	0.478	3.00
19_3_106	MW-19D	Appendix IV	Cadmium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.0000770	0.0000770	0.0000770	0.0000770	0	0	NA
19_3_109	MW-19D	Appendix IV	Chromium	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.00161	0.00120	0.00120	0.00490	0.00123	0.766	3.00
19_3_110	MW-19D	Appendix IV	Cobalt	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.000288	0.0000860	0.0000860	0.00190	0.000605	2.10	3.00
19_3_113	MW-19D	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.533	0.420	0.370	1.50	0.363	0.681	2.98
19_3_115	MW-19D	Appendix IV	Lead	mg/l	9	7	78%	2025-05-12 to 2026-02-11		Nonparametric	0.00126	0.000450	0.000450	0.00430	0.00161	1.28	1.64
19_3_116	MW-19D	Appendix IV	Lithium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.0228	0.0240	0.0130	0.0250	0.00387	0.170	-2.47
19_3_117	MW-19D	Appendix IV	Mercury	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000130	0.000130	0.000130	0.000130	0	0	NA
19_3_118	MW-19D	Appendix IV	Molybdenum	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.00163	0.00160	0.00120	0.00200	0.000312	0.191	-0.239
19_3_121	MW-19D	Appendix IV	Radium-226+228	pci/l	9	5	56%	2025-05-12 to 2026-02-11		Nonparametric	1.07	0.939	0.595	2.03	0.440	0.413	1.34
19_3_122	MW-19D	Appendix IV	Selenium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000890	0.000890	0.000890	0.000890	0	0	NA
19_3_125	MW-19D	Appendix IV	Thallium	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.000510	0.000510	0.000510	0.000510	0	0	NA
19_5_111	MW-19D	Part 115	Copper	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.00307	0.00170	0.00170	0.0140	0.00410	1.34	3.00
19_5_114	MW-19D	Part 115	Iron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.880	0.590	0.320	3.70	1.07	1.21	2.90
19_5_119	MW-19D	Part 115	Nickel	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.00186	0.00150	0.00150	0.00470	0.00107	0.575	3.00
19_5_123	MW-19D	Part 115	Silver	mg/l	9	9	100%	2025-05-12 to 2026-02-11		Nonparametric	0.0000530	0.0000530	0.0000530	0.0000530	0	0	NA
19_5_128	MW-19D	Part 115	Vanadium	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.00132	0.000820	0.000820	0.00530	0.00149	1.13	3.00
19_5_129	MW-19D	Part 115	Zinc	mg/l	9	6	67%	2025-05-12 to 2026-02-11		Nonparametric	0.00229	0.000930	0.000930	0.00990	0.00305	1.33	2.43

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
20_2_105	MW-100C	Appendix III	Boron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.80	1.81	1.54	1.91	0.105	0.0585	-1.49
20_2_107	MW-100C	Appendix III	Calcium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	58.5	59.0	55.2	61.2	2.11	0.0361	-0.374
20_2_108	MW-100C	Appendix III	Chloride	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal	Gamma	5.86	4.90	2.40	14.0	3.34	0.571	1.52
20_2_112	MW-100C	Appendix III	Fluoride	mg/l	12	7	58%	2023-06-05 to 2026-02-05		Nonparametric	0.727	1.00	0.130	1.00	0.347	0.478	-0.588
20_2_120	MW-100C	Appendix III	pH, Field	su	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	7.35	7.33	7.15	7.54	0.114	0.0155	0.0396
20_2_124	MW-100C	Appendix III	Sulfate	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal	Gamma	8.42	5.90	1.60	27.0	6.87	0.816	2.05
20_2_126	MW-100C	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	293	300	240	314	20.1	0.0687	-1.79
20_3_101	MW-100C	Appendix IV	Antimony	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00389	0.00500	0.000570	0.00500	0.00200	0.515	-1.33
20_3_102	MW-100C	Appendix IV	Arsenic	mg/l	12	10	83%	2023-06-05 to 2026-02-05		Nonparametric	0.00180	0.00200	0.000750	0.00210	0.000491	0.273	-2.04
20_3_103	MW-100C	Appendix IV	Barium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0719	0.0740	0.0510	0.0920	0.0127	0.177	-0.266
20_3_104	MW-100C	Appendix IV	Beryllium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000817	0.00100	0.000270	0.00100	0.000330	0.404	-1.33
20_3_106	MW-100C	Appendix IV	Cadmium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000394	0.000500	0.0000770	0.000500	0.000191	0.485	-1.33
20_3_109	MW-100C	Appendix IV	Chromium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00405	0.00500	0.00120	0.00500	0.00172	0.424	-1.33
20_3_110	MW-100C	Appendix IV	Cobalt	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00377	0.00500	0.0000860	0.00500	0.00222	0.589	-1.33
20_3_113	MW-100C	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	2023-06-05 to 2026-02-05		Nonparametric	0.727	1.00	0.130	1.00	0.347	0.478	-0.588
20_3_115	MW-100C	Appendix IV	Lead	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00236	0.00300	0.000450	0.00300	0.00115	0.488	-1.33
20_3_116	MW-100C	Appendix IV	Lithium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0321	0.0325	0.0280	0.0350	0.00198	0.0616	-0.902
20_3_117	MW-100C	Appendix IV	Mercury	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000182	0.000200	0.000130	0.000200	0.0000317	0.173	-1.33
20_3_118	MW-100C	Appendix IV	Molybdenum	mg/l	12	7	58%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	0.00489	0.00500	0.00110	0.00900	0.00267	0.546	0.000139
20_3_121	MW-100C	Appendix IV	Radium-226+228	pci/l	12	1	8%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.03	0.917	0.467	1.69	0.438	0.425	0.268
20_3_122	MW-100C	Appendix IV	Selenium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00397	0.00500	0.000890	0.00500	0.00186	0.468	-1.33
20_3_125	MW-100C	Appendix IV	Thallium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00163	0.00200	0.000510	0.00200	0.000674	0.414	-1.33
20_5_111	MW-100C	Part 115	Copper	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00417	0.00500	0.00170	0.00500	0.00149	0.357	-1.33
20_5_114	MW-100C	Part 115	Iron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.662	0.635	0.310	1.00	0.186	0.280	0.357
20_5_119	MW-100C	Part 115	Nickel	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00413	0.00500	0.00150	0.00500	0.00158	0.384	-1.33
20_5_123	MW-100C	Part 115	Silver	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000388	0.000500	0.0000530	0.000500	0.000202	0.521	-1.33
20_5_128	MW-100C	Part 115	Vanadium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00396	0.00500	0.000820	0.00500	0.00189	0.478	-1.33
20_5_129	MW-100C	Part 115	Zinc	mg/l	12	9	75%	2023-06-05 to 2026-02-05		Nonparametric	0.00444	0.00500	0.000930	0.0100	0.00246	0.555	0.440
21_2_105	MW-100D	Appendix III	Boron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	2.94	3.21	1.89	3.45	0.540	0.184	-1.09
21_2_107	MW-100D	Appendix III	Calcium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	19.6	7.47	5.26	68.0	21.3	1.09	1.67
21_2_108	MW-100D	Appendix III	Chloride	mg/l	12	4	33%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	7.08	5.00	4.20	16.0	3.80	0.537	1.68
21_2_112	MW-100D	Appendix III	Fluoride	mg/l	12	5	42%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.752	0.855	0.300	1.00	0.270	0.359	-0.522
21_2_120	MW-100D	Appendix III	pH, Field	su	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	7.65	7.66	6.85	8.22	0.390	0.0510	-0.552
21_2_124	MW-100D	Appendix III	Sulfate	mg/l	12	1	8%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	28.6	12.5	5.00	110	31.0	1.08	1.91
21_2_126	MW-100D	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	442	405	366	650	88.6	0.200	1.64
21_3_101	MW-100D	Appendix IV	Antimony	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00389	0.00500	0.000570	0.00500	0.00200	0.515	-1.33
21_3_102	MW-100D	Appendix IV	Arsenic	mg/l	12	2	17%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	0.00258	0.00300	0.00160	0.00300	0.000563	0.219	-0.757
21_3_103	MW-100D	Appendix IV	Barium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal	Gamma	0.0107	0.0100	0.00700	0.0190	0.00338	0.317	1.57
21_3_104	MW-100D	Appendix IV	Beryllium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000817	0.00100	0.000270	0.00100	0.000330	0.404	-1.33
21_3_106	MW-100D	Appendix IV	Cadmium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000394	0.000500	0.0000770	0.000500	0.000191	0.485	-1.33
21_3_109	MW-100D	Appendix IV	Chromium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00405	0.00500	0.00120	0.00500	0.00172	0.424	-1.33
21_3_110	MW-100D	Appendix IV	Cobalt	mg/l	12	10	83%	2023-06-05 to 2026-02-05		Nonparametric	0.00382	0.00500	0.0000860	0.00500	0.00214	0.559	-1.33

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
21_3_113	MW-100D	Appendix IV	Fluoride (App IV)	mg/l	12	5	42%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.752	0.855	0.300	1.00	0.270	0.359	-0.522
21_3_115	MW-100D	Appendix IV	Lead	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00236	0.00300	0.000450	0.00300	0.00115	0.488	-1.33
21_3_116	MW-100D	Appendix IV	Lithium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	0.0187	0.0180	0.0160	0.0310	0.00409	0.218	2.81
21_3_117	MW-100D	Appendix IV	Mercury	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000182	0.000200	0.000130	0.000200	0.0000317	0.173	-1.33
21_3_118	MW-100D	Appendix IV	Molybdenum	mg/l	12	1	8%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.00775	0.00750	0.00500	0.0120	0.00219	0.282	0.488
21_3_121	MW-100D	Appendix IV	Radium-226+228	pci/l	12	2	17%	2023-06-05 to 2026-02-05	Gamma; Lognormal	Gamma	1.27	0.845	0.477	5.06	1.25	0.987	2.94
21_3_122	MW-100D	Appendix IV	Selenium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00397	0.00500	0.000890	0.00500	0.00186	0.468	-1.33
21_3_125	MW-100D	Appendix IV	Thallium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00163	0.00200	0.000510	0.00200	0.000674	0.414	-1.33
21_5_111	MW-100D	Part 115	Copper	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00417	0.00500	0.00170	0.00500	0.00149	0.357	-1.33
21_5_114	MW-100D	Part 115	Iron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.318	0.255	0.120	0.770	0.210	0.662	1.19
21_5_119	MW-100D	Part 115	Nickel	mg/l	12	11	92%	2023-06-05 to 2026-02-05		Nonparametric	0.00415	0.00500	0.00150	0.00500	0.00154	0.371	-1.34
21_5_123	MW-100D	Part 115	Silver	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.000388	0.000500	0.0000530	0.000500	0.000202	0.521	-1.33
21_5_128	MW-100D	Part 115	Vanadium	mg/l	12	12	100%	2023-06-05 to 2026-02-05		Nonparametric	0.00396	0.00500	0.000820	0.00500	0.00189	0.478	-1.33
21_5_129	MW-100D	Part 115	Zinc	mg/l	12	10	83%	2023-06-05 to 2026-02-05		Nonparametric	0.00474	0.00500	0.00200	0.00530	0.000876	0.185	-3.29

[a] Non-detects are excluded from goodness-of-fit tests.

Table 2: Summary Statistics, Non-Detects Excluded

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
11_2_105	MW-7B	Appendix III	Boron	mg/l	15	0	0%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	2.97	2.98	2.80	3.17	0.0991	0.0334	-0.0481
11_2_107	MW-7B	Appendix III	Calcium	mg/l	15	0	0%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	8.89	8.87	7.60	10.2	0.661	0.0744	-0.140
11_2_108	MW-7B	Appendix III	Chloride	mg/l	15	10	67%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	1.30	0.950	0.820	1.90	0.552	0.425	0.573
11_2_112	MW-7B	Appendix III	Fluoride	mg/l	15	10	67%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	0.650	0.740	0.300	0.810	0.213	0.327	-1.50
11_2_120	MW-7B	Appendix III	pH, Field	su	15	0	0%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	7.96	8.00	7.73	8.17	0.157	0.0197	-0.102
11_2_124	MW-7B	Appendix III	Sulfate	mg/l	15	10	67%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	1.14	1.10	0.370	2.40	0.799	0.699	1.07
11_2_126	MW-7B	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	363	362	350	376	8.16	0.0225	0.152
11_3_102	MW-7B	Appendix IV	Arsenic	mg/l	15	12	80%	2022-03-09 to 2026-02-05		Nonparametric	0.00270	0.00300	0.00210	0.00300	0.000520	0.192	-1.73
11_3_103	MW-7B	Appendix IV	Barium	mg/l	15	0	0%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.00879	0.00900	0.00750	0.0110	0.00108	0.122	0.609
11_3_104	MW-7B	Appendix IV	Beryllium	mg/l	15	14	93%	2022-03-09 to 2026-02-05		Nonparametric	0.000270	0.000270	0.000270	0.000270	NA	NA	NA
11_3_106	MW-7B	Appendix IV	Cadmium	mg/l	15	14	93%	2022-03-09 to 2026-02-05		Nonparametric	0.000150	0.000150	0.000150	0.000150	NA	NA	NA
11_3_110	MW-7B	Appendix IV	Cobalt	mg/l	15	14	93%	2022-03-09 to 2026-02-05		Nonparametric	0.000100	0.000100	0.000100	0.000100	NA	NA	NA
11_3_113	MW-7B	Appendix IV	Fluoride (App IV)	mg/l	15	10	67%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	0.650	0.740	0.300	0.810	0.213	0.327	-1.50
11_3_115	MW-7B	Appendix IV	Lead	mg/l	15	14	93%	2022-03-09 to 2026-02-05		Nonparametric	0.0120	0.0120	0.0120	0.0120	NA	NA	NA
11_3_116	MW-7B	Appendix IV	Lithium	mg/l	15	0	0%	2022-03-09 to 2026-02-05	Nonparametric	Nonparametric	0.0317	0.0320	0.0280	0.0340	0.00135	0.0425	-1.12
11_3_121	MW-7B	Appendix IV	Radium-226+228	pci/l	15	1	7%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.27	1.20	0.378	2.73	0.721	0.567	0.676
11_5_114	MW-7B	Part 115	Iron	mg/l	15	0	0%	2022-03-09 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0676	0.0650	0.0300	0.120	0.0257	0.380	0.262
11_5_129	MW-7B	Part 115	Zinc	mg/l	15	14	93%	2022-03-09 to 2026-02-05		Nonparametric	0.00110	0.00110	0.00110	0.00110	NA	NA	NA
12_2_105	MW-16C	Appendix III	Boron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	0.399	0.400	0.340	0.430	0.0206	0.0515	-1.75
12_2_107	MW-16C	Appendix III	Calcium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	72.0	73.0	62.1	77.2	5.00	0.0695	-0.916
12_2_108	MW-16C	Appendix III	Chloride	mg/l	14	6	43%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	2.52	2.00	1.10	8.00	2.28	0.904	2.49
12_2_112	MW-16C	Appendix III	Fluoride	mg/l	14	8	57%	2023-02-02 to 2026-02-09		Nonparametric	0.388	0.455	0.200	0.510	0.152	0.391	-0.680
12_2_120	MW-16C	Appendix III	pH, Field	su	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	7.30	7.29	7.14	7.46	0.118	0.0162	0.0935
12_2_124	MW-16C	Appendix III	Sulfate	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	9.17	8.00	7.00	19.0	3.13	0.341	2.70
12_2_126	MW-16C	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	337	331	310	418	27.3	0.0811	2.30
12_3_102	MW-16C	Appendix IV	Arsenic	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	0.00267	0.00300	0.00200	0.00300	0.000577	0.217	-1.73
12_3_103	MW-16C	Appendix IV	Barium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	0.0356	0.0315	0.0240	0.0610	0.0110	0.310	1.25
12_3_109	MW-16C	Appendix IV	Chromium	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.0110	0.0110	0.0110	0.0110	NA	NA	NA
12_3_113	MW-16C	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	2023-02-02 to 2026-02-09		Nonparametric	0.388	0.455	0.200	0.510	0.152	0.391	-0.680
12_3_116	MW-16C	Appendix IV	Lithium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	0.0275	0.0275	0.0250	0.0300	0.00156	0.0566	0
12_3_118	MW-16C	Appendix IV	Molybdenum	mg/l	14	11	79%	2023-02-02 to 2026-02-09		Nonparametric	0.00570	0.00700	0.00110	0.00900	0.00411	0.721	-1.28
12_3_121	MW-16C	Appendix IV	Radium-226+228	pci/l	14	3	21%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	1.51	1.30	0.225	3.60	1.07	0.712	0.549
12_5_114	MW-16C	Part 115	Iron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	0.531	0.475	0.320	1.10	0.202	0.381	1.90
12_5_129	MW-16C	Part 115	Zinc	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.00140	0.00140	0.00140	0.00140	NA	NA	NA
13_2_105	MW-16D	Appendix III	Boron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	4.58	4.61	4.10	5.01	0.234	0.0511	-0.354
13_2_107	MW-16D	Appendix III	Calcium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Normal	Gamma	29.2	29.1	27.0	30.5	0.865	0.0296	-0.796
13_2_108	MW-16D	Appendix III	Chloride	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	7.15	7.00	6.00	8.00	0.586	0.0819	-0.00354
13_2_112	MW-16D	Appendix III	Fluoride	mg/l	14	8	57%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Nonparametric	0.588	0.625	0.360	0.760	0.190	0.323	-0.216
13_2_120	MW-16D	Appendix III	pH, Field	su	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	7.56	7.53	7.44	7.83	0.115	0.0152	1.24
13_2_124	MW-16D	Appendix III	Sulfate	mg/l	14	1	7%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	6.25	5.90	3.40	13.0	2.51	0.401	1.76
13_2_126	MW-16D	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	374	375	360	396	9.57	0.0256	0.545
13_3_102	MW-16D	Appendix IV	Arsenic	mg/l	14	3	21%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	0.00322	0.00300	0.00230	0.00400	0.000671	0.208	0.101
13_3_103	MW-16D	Appendix IV	Barium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	0.0346	0.0350	0.0290	0.0380	0.00259	0.0750	-1.02

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
13_3_113	MW-16D	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Nonparametric	0.588	0.625	0.360	0.760	0.190	0.323	-0.216
13_3_116	MW-16D	Appendix IV	Lithium	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	0.0298	0.0300	0.0220	0.0390	0.00366	0.123	0.474
13_3_118	MW-16D	Appendix IV	Molybdenum	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Nonparametric	Nonparametric	0.00981	0.0100	0.00500	0.0120	0.00171	0.174	-1.81
13_3_121	MW-16D	Appendix IV	Radium-226+228	pci/l	14	2	14%	2023-02-02 to 2026-02-09	Gamma; Lognormal; Normal	Gamma	1.77	1.42	0.515	4.14	1.14	0.645	0.873
13_3_122	MW-16D	Appendix IV	Selenium	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.00600	0.00600	0.00600	0.00600	NA	NA	NA
13_5_111	MW-16D	Part 115	Copper	mg/l	14	13	93%	2023-02-02 to 2026-02-09		Nonparametric	0.0100	0.0100	0.0100	0.0100	NA	NA	NA
13_5_114	MW-16D	Part 115	Iron	mg/l	14	0	0%	2023-02-02 to 2026-02-09	Gamma; Normal	Gamma	0.321	0.350	0.0600	0.550	0.146	0.455	-0.472
13_5_129	MW-16D	Part 115	Zinc	mg/l	14	1	7%	2023-02-02 to 2026-02-09	Gamma; Lognormal	Gamma	0.0533	0.0140	0.00110	0.271	0.0842	1.58	1.96
14_2_105	MW-17D	Appendix III	Boron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	2.37	2.47	1.67	2.60	0.286	0.121	-2.19
14_2_107	MW-17D	Appendix III	Calcium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	57.4	51.0	50.0	92.5	14.3	0.250	2.30
14_2_108	MW-17D	Appendix III	Chloride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	13.1	7.30	3.60	65.9	19.9	1.52	2.92
14_2_112	MW-17D	Appendix III	Fluoride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	0.394	0.430	0.270	0.470	0.0825	0.209	-0.771
14_2_120	MW-17D	Appendix III	pH, Field	su	11	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	7.47	7.48	7.37	7.60	0.0630	0.00843	0.241
14_2_124	MW-17D	Appendix III	Sulfate	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	47.1	8.00	2.00	315	102	2.18	2.80
14_2_126	MW-17D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	361	290	280	828	177	0.492	2.87
14_3_101	MW-17D	Appendix IV	Antimony	mg/l	9	7	78%	2024-10-08 to 2026-02-10		Nonparametric	0.000625	0.000625	0.000590	0.000660	0.0000495	0.0792	NA
14_3_102	MW-17D	Appendix IV	Arsenic	mg/l	9	2	22%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.00170	0.00130	0.000890	0.00400	0.00110	0.646	1.95
14_3_103	MW-17D	Appendix IV	Barium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	0.0467	0.0430	0.0390	0.0720	0.0100	0.215	2.42
14_3_106	MW-17D	Appendix IV	Cadmium	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.000170	0.000170	0.000170	0.000170	NA	NA	NA
14_3_110	MW-17D	Appendix IV	Cobalt	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.000350	0.000350	0.000350	0.000350	NA	NA	NA
14_3_113	MW-17D	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	0.394	0.430	0.270	0.470	0.0825	0.209	-0.771
14_3_116	MW-17D	Appendix IV	Lithium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	0.0386	0.0360	0.0320	0.0690	0.0116	0.300	2.85
14_3_118	MW-17D	Appendix IV	Molybdenum	mg/l	9	1	11%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	0.0173	0.00500	0.00240	0.105	0.0355	2.06	2.82
14_3_121	MW-17D	Appendix IV	Radium-226+228	pci/l	9	2	22%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	1.90	1.25	0.961	3.83	1.11	0.586	1.07
14_5_114	MW-17D	Part 115	Iron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Lognormal	Lognormal	0.779	0.700	0.230	1.98	0.482	0.619	2.21
14_5_129	MW-17D	Part 115	Zinc	mg/l	9	5	56%	2024-10-08 to 2026-02-10		Nonparametric	1.08	0.00260	0.00100	4.30	2.15	2.0	2.0
15_2_105	MW-17E	Appendix III	Boron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	3.08	3.19	2.36	3.50	0.378	0.123	-1.08
15_2_107	MW-17E	Appendix III	Calcium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	13.8	5.50	5.20	46.7	16.6	1.20	1.68
15_2_108	MW-17E	Appendix III	Chloride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	3.81	1.50	1.30	12.0	4.19	1.10	1.60
15_2_112	MW-17E	Appendix III	Fluoride	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Normal	Normal	1.03	1.20	0.220	1.30	0.338	0.328	-2.00
15_2_120	MW-17E	Appendix III	pH, Field	su	11	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	7.94	8.04	7.10	8.15	0.301	0.0379	-2.53
15_2_124	MW-17E	Appendix III	Sulfate	mg/l	9	3	33%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	30.8	1.55	0.0400	170	68.3	2.22	2.43
15_2_126	MW-17E	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	381	360	316	540	63.3	0.166	2.32
15_3_103	MW-17E	Appendix IV	Barium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Nonparametric	Nonparametric	0.0101	0.00500	0.00410	0.0420	0.0124	1.24	2.63
15_3_110	MW-17E	Appendix IV	Cobalt	mg/l	9	8	89%	2024-10-08 to 2026-02-10		Nonparametric	0.000240	0.000240	0.000240	0.000240	NA	NA	NA
15_3_113	MW-17E	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Normal	Normal	1.03	1.20	0.220	1.30	0.338	0.328	-2.00
15_3_116	MW-17E	Appendix IV	Lithium	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal; Normal	Gamma	0.0262	0.0260	0.0230	0.0330	0.00299	0.114	1.56
15_3_118	MW-17E	Appendix IV	Molybdenum	mg/l	9	7	78%	2024-10-08 to 2026-02-10		Nonparametric	0.00885	0.00885	0.00770	0.0100	0.00163	0.184	NA
15_3_121	MW-17E	Appendix IV	Radium-226+228	pci/l	9	5	56%	2024-10-08 to 2026-02-10		Nonparametric	2.10	1.65	0.674	4.42	1.71	0.817	1.08
15_5_114	MW-17E	Part 115	Iron	mg/l	9	0	0%	2024-10-08 to 2026-02-10	Gamma; Lognormal	Gamma	0.0719	0.0500	0.0170	0.260	0.0743	1.03	2.44
15_5_129	MW-17E	Part 115	Zinc	mg/l	9	6	67%	2024-10-08 to 2026-02-10		Nonparametric	0.168	0.00130	0.00130	0.500	0.288	1.72	1.73
16_2_105	MW-18C	Appendix III	Boron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	2.74	2.85	2.28	3.10	0.299	0.109	-0.535
16_2_107	MW-18C	Appendix III	Calcium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	167	170	95.0	220	34.8	0.209	-0.618

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
16_2_108	MW-18C	Appendix III	Chloride	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	74.4	84.6	23.0	95.2	22.3	0.299	-1.54
16_2_112	MW-18C	Appendix III	Fluoride	mg/l	10	2	20%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.206	0.195	0.110	0.320	0.0641	0.311	0.453
16_2_120	MW-18C	Appendix III	pH, Field	su	12	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	7.23	7.22	7.07	7.35	0.0853	0.0118	-0.254
16_2_124	MW-18C	Appendix III	Sulfate	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Normal	Gamma	436	452	140	582	134	0.306	-1.16
16_2_126	MW-18C	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	960	970	550	1260	198	0.206	-0.730
16_3_101	MW-18C	Appendix IV	Antimony	mg/l	10	9	90%	2024-10-08 to 2026-02-04		Nonparametric	0.000670	0.000670	0.000670	0.000670	NA	NA	NA
16_3_102	MW-18C	Appendix IV	Arsenic	mg/l	10	6	60%	2024-10-08 to 2026-02-04		Nonparametric	0.00158	0.00165	0.00100	0.00200	0.000506	0.321	-0.296
16_3_103	MW-18C	Appendix IV	Barium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0501	0.0525	0.0280	0.0600	0.00979	0.195	-1.31
16_3_106	MW-18C	Appendix IV	Cadmium	mg/l	10	9	90%	2024-10-08 to 2026-02-04		Nonparametric	0.0000960	0.0000960	0.0000960	0.0000960	NA	NA	NA
16_3_110	MW-18C	Appendix IV	Cobalt	mg/l	10	5	50%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Nonparametric	0.000130	0.000130	0.000100	0.000150	0.0000187	0.144	-1.15
16_3_113	MW-18C	Appendix IV	Fluoride (App IV)	mg/l	10	2	20%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.206	0.195	0.110	0.320	0.0641	0.311	0.453
16_3_116	MW-18C	Appendix IV	Lithium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0887	0.0855	0.0570	0.123	0.0180	0.203	0.380
16_3_118	MW-18C	Appendix IV	Molybdenum	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.101	0.105	0.0300	0.140	0.0317	0.313	-1.17
16_3_121	MW-18C	Appendix IV	Radium-226+228	pci/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	2.30	2.25	1.44	3.97	0.851	0.370	0.848
16_3_122	MW-18C	Appendix IV	Selenium	mg/l	10	9	90%	2024-10-08 to 2026-02-04		Nonparametric	0.00160	0.00160	0.00160	0.00160	NA	NA	NA
16_5_114	MW-18C	Part 115	Iron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	2.71	2.71	0.890	4.09	0.886	0.327	-0.541
16_5_119	MW-18C	Part 115	Nickel	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.00833	0.00900	0.00250	0.0120	0.00285	0.342	-0.921
16_5_129	MW-18C	Part 115	Zinc	mg/l	10	7	70%	2024-10-08 to 2026-02-04		Nonparametric	0.00139	0.00120	0.000960	0.00200	0.000545	0.393	1.36
17_2_105	MW-18D	Appendix III	Boron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	3.47	3.54	2.66	3.90	0.361	0.104	-1.30
17_2_107	MW-18D	Appendix III	Calcium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal	Gamma	76.5	61.0	34.0	202	47.1	0.616	2.47
17_2_108	MW-18D	Appendix III	Chloride	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	37.8	33.0	13.0	94.1	22.5	0.595	1.93
17_2_112	MW-18D	Appendix III	Fluoride	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.980	1.00	0.550	1.30	0.243	0.248	-0.736
17_2_120	MW-18D	Appendix III	pH, Field	su	12	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	7.82	7.80	7.69	8.01	0.0982	0.0126	0.548
17_2_124	MW-18D	Appendix III	Sulfate	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal	Gamma	210	175	70.0	601	147	0.702	2.43
17_2_126	MW-18D	Appendix III	Total Dissolved Solids	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	674	600	450	1260	238	0.353	2.19
17_3_103	MW-18D	Appendix IV	Barium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0273	0.0225	0.0140	0.0560	0.0122	0.449	1.59
17_3_110	MW-18D	Appendix IV	Cobalt	mg/l	10	6	60%	2024-10-08 to 2026-02-04		Nonparametric	0.000212	0.000165	0.000100	0.000420	0.000142	0.667	1.71
17_3_113	MW-18D	Appendix IV	Fluoride (App IV)	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.980	1.00	0.550	1.30	0.243	0.248	-0.736
17_3_116	MW-18D	Appendix IV	Lithium	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0689	0.0645	0.0420	0.0920	0.0164	0.238	0.0585
17_3_117	MW-18D	Appendix IV	Mercury	mg/l	10	9	90%	2024-10-08 to 2026-02-04		Nonparametric	0.000130	0.000130	0.000130	0.000130	NA	NA	NA
17_3_118	MW-18D	Appendix IV	Molybdenum	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.0605	0.0505	0.0220	0.116	0.0277	0.457	0.811
17_3_121	MW-18D	Appendix IV	Radium-226+228	pci/l	10	3	30%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	2.04	1.07	0.683	5.17	1.69	0.828	1.38
17_5_114	MW-18D	Part 115	Iron	mg/l	10	0	0%	2024-10-08 to 2026-02-04	Gamma; Lognormal	Gamma	1.43	1.15	0.560	3.73	0.891	0.621	2.21
17_5_119	MW-18D	Part 115	Nickel	mg/l	10	1	10%	2024-10-08 to 2026-02-04	Gamma; Lognormal; Normal	Gamma	0.00340	0.00320	0.00150	0.00500	0.00115	0.338	0.0706
17_5_129	MW-18D	Part 115	Zinc	mg/l	10	7	70%	2024-10-08 to 2026-02-04		Nonparametric	0.00170	0.00150	0.00120	0.00240	0.000624	0.367	1.29
18_2_105	MW-19C	Appendix III	Boron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	1.40	1.50	0.640	1.70	0.335	0.238	-1.66
18_2_107	MW-19C	Appendix III	Calcium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	60.2	60.0	57.0	67.0	3.03	0.0504	1.42
18_2_108	MW-19C	Appendix III	Chloride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	2.27	2.00	1.80	3.10	0.472	0.208	0.930
18_2_112	MW-19C	Appendix III	Fluoride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.399	0.410	0.330	0.440	0.0355	0.0890	-1.26
18_2_120	MW-19C	Appendix III	pH, Field	su	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	7.34	7.34	7.20	7.49	0.102	0.0139	-0.00150
18_2_124	MW-19C	Appendix III	Sulfate	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Lognormal	Nonparametric	3.32	1.50	0.670	15.0	4.63	1.40	2.49
18_2_126	MW-19C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	307	310	260	330	22.4	0.0729	-1.10
18_3_102	MW-19C	Appendix IV	Arsenic	mg/l	9	6	67%	2025-05-12 to 2026-02-11		Nonparametric	0.000923	0.000870	0.000800	0.00110	0.000157	0.170	1.35

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
18_3_103	MW-19C	Appendix IV	Barium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Lognormal	Lognormal	0.0383	0.0360	0.0310	0.0540	0.00719	0.188	1.59
18_3_110	MW-19C	Appendix IV	Cobalt	mg/l	9	7	78%	2025-05-12 to 2026-02-11		Nonparametric	0.000111	0.000111	0.0000930	0.000130	0.0000262	0.235	NA
18_3_113	MW-19C	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.399	0.410	0.330	0.440	0.0355	0.0890	-1.26
18_3_116	MW-19C	Appendix IV	Lithium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.0260	0.0260	0.0230	0.0280	0.00173	0.0666	-0.557
18_3_118	MW-19C	Appendix IV	Molybdenum	mg/l	9	7	78%	2025-05-12 to 2026-02-11		Nonparametric	0.00190	0.00190	0.00180	0.00200	0.000141	0.0744	NA
18_3_121	MW-19C	Appendix IV	Radium-226+228	pci/l	9	2	22%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	1.03	1.09	0.628	1.41	0.280	0.273	-0.211
18_5_114	MW-19C	Part 115	Iron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.668	0.660	0.520	0.860	0.115	0.172	0.354
18_5_129	MW-19C	Part 115	Zinc	mg/l	9	5	56%	2025-05-12 to 2026-02-11		Nonparametric	0.00213	0.00185	0.000930	0.00390	0.00140	0.655	0.681
19_2_105	MW-19D	Appendix III	Boron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.857	0.580	0.520	3.20	0.879	1.03	3.0
19_2_107	MW-19D	Appendix III	Calcium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	60.4	67.0	6.40	69.0	20.3	0.336	-2.96
19_2_108	MW-19D	Appendix III	Chloride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	1.93	1.30	1.00	7.70	2.17	1.12	2.98
19_2_112	MW-19D	Appendix III	Fluoride	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.533	0.420	0.370	1.50	0.363	0.681	2.98
19_2_120	MW-19D	Appendix III	pH, Field	su	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	7.41	7.30	7.11	8.61	0.466	0.0629	2.66
19_2_124	MW-19D	Appendix III	Sulfate	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	10.1	11.0	3.10	12.0	2.73	0.269	-2.62
19_2_126	MW-19D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	334	310	300	510	67.3	0.201	2.77
19_3_102	MW-19D	Appendix IV	Arsenic	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.00210	0.00210	0.00210	0.00210	NA	NA	NA
19_3_103	MW-19D	Appendix IV	Barium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.0496	0.0510	0.0340	0.0560	0.00635	0.128	-2.12
19_3_104	MW-19D	Appendix IV	Beryllium	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.000730	0.000730	0.000730	0.000730	NA	NA	NA
19_3_109	MW-19D	Appendix IV	Chromium	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.00490	0.00490	0.00490	0.00490	NA	NA	NA
19_3_110	MW-19D	Appendix IV	Cobalt	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.00190	0.00190	0.00190	0.00190	NA	NA	NA
19_3_113	MW-19D	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.533	0.420	0.370	1.50	0.363	0.681	2.98
19_3_115	MW-19D	Appendix IV	Lead	mg/l	9	7	78%	2025-05-12 to 2026-02-11		Nonparametric	0.00410	0.00410	0.00390	0.00430	0.000283	0.0690	NA
19_3_116	MW-19D	Appendix IV	Lithium	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.0228	0.0240	0.0130	0.0250	0.00387	0.170	-2.47
19_3_118	MW-19D	Appendix IV	Molybdenum	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Gamma; Lognormal; Normal	Gamma	0.00163	0.00160	0.00120	0.00200	0.000312	0.191	-0.239
19_3_121	MW-19D	Appendix IV	Radium-226+228	pci/l	9	5	56%	2025-05-12 to 2026-02-11		Nonparametric	1.16	1.23	0.939	1.26	0.151	0.130	-1.93
19_5_111	MW-19D	Part 115	Copper	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.0140	0.0140	0.0140	0.0140	NA	NA	NA
19_5_114	MW-19D	Part 115	Iron	mg/l	9	0	0%	2025-05-12 to 2026-02-11	Nonparametric	Nonparametric	0.880	0.590	0.320	3.70	1.07	1.21	2.90
19_5_119	MW-19D	Part 115	Nickel	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.00470	0.00470	0.00470	0.00470	NA	NA	NA
19_5_128	MW-19D	Part 115	Vanadium	mg/l	9	8	89%	2025-05-12 to 2026-02-11		Nonparametric	0.00530	0.00530	0.00530	0.00530	NA	NA	NA
19_5_129	MW-19D	Part 115	Zinc	mg/l	9	6	67%	2025-05-12 to 2026-02-11		Nonparametric	0.00502	0.00420	0.000960	0.00990	0.00453	0.902	0.789
20_2_105	MW-100C	Appendix III	Boron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.80	1.81	1.54	1.91	0.105	0.0585	-1.49
20_2_107	MW-100C	Appendix III	Calcium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	58.5	59.0	55.2	61.2	2.11	0.0361	-0.374
20_2_108	MW-100C	Appendix III	Chloride	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal	Gamma	5.86	4.90	2.40	14.0	3.34	0.571	1.52
20_2_112	MW-100C	Appendix III	Fluoride	mg/l	12	7	58%	2023-06-05 to 2026-02-05		Nonparametric	0.344	0.430	0.130	0.430	0.132	0.384	-1.44
20_2_120	MW-100C	Appendix III	pH, Field	su	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	7.35	7.33	7.15	7.54	0.114	0.0155	0.0396
20_2_124	MW-100C	Appendix III	Sulfate	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal	Gamma	8.42	5.90	1.60	27.0	6.87	0.816	2.05
20_2_126	MW-100C	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	293	300	240	314	20.1	0.0687	-1.79
20_3_102	MW-100C	Appendix IV	Arsenic	mg/l	12	10	83%	2023-06-05 to 2026-02-05		Nonparametric	0.00205	0.00205	0.00200	0.00210	0.0000707	0.0345	NA
20_3_103	MW-100C	Appendix IV	Barium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0719	0.0740	0.0510	0.0920	0.0127	0.177	-0.266
20_3_113	MW-100C	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	2023-06-05 to 2026-02-05		Nonparametric	0.344	0.430	0.130	0.430	0.132	0.384	-1.44
20_3_116	MW-100C	Appendix IV	Lithium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.0321	0.0325	0.0280	0.0350	0.00198	0.0616	-0.902
20_3_118	MW-100C	Appendix IV	Molybdenum	mg/l	12	7	58%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Nonparametric	0.00552	0.00700	0.00110	0.00900	0.00394	0.714	-0.434
20_3_121	MW-100C	Appendix IV	Radium-226+228	pci/l	12	1	8%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	1.07	0.977	0.467	1.69	0.438	0.409	0.0889

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
20_5_114	MW-100C	Part 115	Iron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.662	0.635	0.310	1.00	0.186	0.280	0.357
20_5_129	MW-100C	Part 115	Zinc	mg/l	12	9	75%	2023-06-05 to 2026-02-05		Nonparametric	0.00413	0.00140	0.00100	0.0100	0.00508	1.23	1.72
21_2_105	MW-100D	Appendix III	Boron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	2.94	3.21	1.89	3.45	0.540	0.184	-1.09
21_2_107	MW-100D	Appendix III	Calcium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	19.6	7.47	5.26	68.0	21.3	1.09	1.67
21_2_108	MW-100D	Appendix III	Chloride	mg/l	12	4	33%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	8.11	6.65	4.20	16.0	4.36	0.537	1.05
21_2_112	MW-100D	Appendix III	Fluoride	mg/l	12	5	42%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.576	0.500	0.300	0.860	0.216	0.375	0.380
21_2_120	MW-100D	Appendix III	pH, Field	su	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	7.65	7.66	6.85	8.22	0.390	0.0510	-0.552
21_2_124	MW-100D	Appendix III	Sulfate	mg/l	12	1	8%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	30.8	14.0	6.00	110	31.6	1.03	1.83
21_2_126	MW-100D	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	442	405	366	650	88.6	0.200	1.64
21_3_102	MW-100D	Appendix IV	Arsenic	mg/l	12	2	17%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	0.00269	0.00300	0.00160	0.00300	0.000547	0.203	-1.53
21_3_103	MW-100D	Appendix IV	Barium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal	Gamma	0.0107	0.0100	0.00700	0.0190	0.00338	0.317	1.57
21_3_110	MW-100D	Appendix IV	Cobalt	mg/l	12	10	83%	2023-06-05 to 2026-02-05		Nonparametric	0.000375	0.000375	0.000330	0.000420	0.0000636	0.170	NA
21_3_113	MW-100D	Appendix IV	Fluoride (App IV)	mg/l	12	5	42%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.576	0.500	0.300	0.860	0.216	0.375	0.380
21_3_116	MW-100D	Appendix IV	Lithium	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Nonparametric	Nonparametric	0.0187	0.0180	0.0160	0.0310	0.00409	0.218	2.81
21_3_118	MW-100D	Appendix IV	Molybdenum	mg/l	12	1	8%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.00800	0.00800	0.00500	0.0120	0.00211	0.263	0.446
21_3_121	MW-100D	Appendix IV	Radium-226+228	pci/l	12	2	17%	2023-06-05 to 2026-02-05	Gamma; Lognormal	Gamma	1.39	0.952	0.477	5.06	1.34	0.965	2.70
21_5_114	MW-100D	Part 115	Iron	mg/l	12	0	0%	2023-06-05 to 2026-02-05	Gamma; Lognormal; Normal	Gamma	0.318	0.255	0.120	0.770	0.210	0.662	1.19
21_5_119	MW-100D	Part 115	Nickel	mg/l	12	11	92%	2023-06-05 to 2026-02-05		Nonparametric	0.00180	0.00180	0.00180	0.00180	NA	NA	NA
21_5_129	MW-100D	Part 115	Zinc	mg/l	12	10	83%	2023-06-05 to 2026-02-05		Nonparametric	0.00365	0.00365	0.00200	0.00530	0.00233	0.639	NA

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
11_2_105	MW-7B	Appendix III	Boron	mg/l	15	0	0%	0.970	0.855	0.105	0.930	0.968	0.826	0.107	0.914	0.098	>= 0.10	0.222	>= 0.10	0.033	Gamma; Lognormal; Normal	Gamma
11_2_107	MW-7B	Appendix III	Calcium	mg/l	15	0	0%	0.976	0.938	0.138	0.617	0.971	0.879	0.152	0.464	0.144	>= 0.10	0.280	>= 0.10	0.075	Gamma; Lognormal; Normal	Gamma
11_2_108	MW-7B	Appendix III	Chloride	mg/l	15	10	67%	0.748	0.029	0.336	0.067	0.777	0.052	0.319	0.096	0.349	0.05 <= p < 0.10	0.726	0.01 <= p < 0.05	0.416	Gamma; Lognormal; Normal	Nonparametric
11_2_112	MW-7B	Appendix III	Fluoride	mg/l	15	10	67%	0.828	0.133	0.264	0.302	0.766	0.041	0.280	0.221	0.292	>= 0.10	0.620	0.05 <= p < 0.10	0.417	Gamma; Lognormal; Normal	Nonparametric
11_2_120	MW-7B	Appendix III	pH, Field	su	15	0	0%	0.909	0.130	0.151	0.469	0.909	0.130	0.154	0.445	0.159	>= 0.10	0.552	>= 0.10	0.020	Gamma; Lognormal; Normal	Gamma
11_2_124	MW-7B	Appendix III	Sulfate	mg/l	15	10	67%	0.916	0.506	0.223	0.572	0.972	0.886	0.190	0.801	0.196	>= 0.10	0.226	>= 0.10	0.736	Gamma; Lognormal; Normal	Nonparametric
11_2_126	MW-7B	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	0.954	0.594	0.133	0.681	0.955	0.608	0.128	0.726	0.131	>= 0.10	0.247	>= 0.10	0.022	Gamma; Lognormal; Normal	Gamma
11_3_101	MW-7B	Appendix IV	Antimony	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_102	MW-7B	Appendix IV	Arsenic	mg/l	15	12	80%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.206		Nonparametric
11_3_103	MW-7B	Appendix IV	Barium	mg/l	15	0	0%	0.896	0.083	0.234	0.026	0.905	0.113	0.233	0.028	0.241	0.01 <= p < 0.05	0.693	0.05 <= p < 0.10	0.120	Gamma; Lognormal; Normal	Gamma
11_3_104	MW-7B	Appendix IV	Beryllium	mg/l	15	14	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_106	MW-7B	Appendix IV	Cadmium	mg/l	15	14	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_109	MW-7B	Appendix IV	Chromium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_110	MW-7B	Appendix IV	Cobalt	mg/l	15	14	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_113	MW-7B	Appendix IV	Fluoride (App IV)	mg/l	15	10	67%	0.828	0.133	0.264	0.302	0.766	0.041	0.280	0.221	0.292	>= 0.10	0.620	0.05 <= p < 0.10	0.417	Gamma; Lognormal; Normal	Nonparametric
11_3_115	MW-7B	Appendix IV	Lead	mg/l	15	14	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_116	MW-7B	Appendix IV	Lithium	mg/l	15	0	0%	0.858	0.022	0.243	0.017	0.841	0.013	0.253	0.011	0.241	0.01 <= p < 0.05	0.943	0.01 <= p < 0.05	0.044	Nonparametric	Nonparametric
11_3_117	MW-7B	Appendix IV	Mercury	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_118	MW-7B	Appendix IV	Molybdenum	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_121	MW-7B	Appendix IV	Radium-226+228	pci/l	15	1	7%	0.940	0.415	0.108	0.931	0.957	0.668	0.123	0.817	0.105	>= 0.10	0.182	>= 0.10	0.623	Gamma; Lognormal; Normal	Gamma
11_3_122	MW-7B	Appendix IV	Selenium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_3_125	MW-7B	Appendix IV	Thallium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_5_111	MW-7B	Part 115	Copper	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_5_114	MW-7B	Part 115	Iron	mg/l	15	0	0%	0.967	0.811	0.086	0.992	0.947	0.472	0.124	0.773	0.119	>= 0.10	0.253	>= 0.10	0.415	Gamma; Lognormal; Normal	Gamma
11_5_119	MW-7B	Part 115	Nickel	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_5_123	MW-7B	Part 115	Silver	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_5_128	MW-7B	Part 115	Vanadium	mg/l	15	15	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_5_129	MW-7B	Part 115	Zinc	mg/l	15	14	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_2_105	MW-16C	Appendix III	Boron	mg/l	14	0	0%	0.817	0.008	0.254	0.015	0.788	0.004	0.268	0.007	0.253	0.01 <= p < 0.05	1.032	< 0.01	0.054	Nonparametric	Nonparametric
12_2_107	MW-16C	Appendix III	Calcium	mg/l	14	0	0%	0.882	0.062	0.168	0.353	0.870	0.042	0.183	0.232	0.171	>= 0.10	0.681	0.05 <= p < 0.10	0.072	Gamma; Lognormal; Normal	Gamma
12_2_108	MW-16C	Appendix III	Chloride	mg/l	14	6	43%	0.640	0.000	0.379	0.001	0.842	0.078	0.244	0.174	0.294	0.05 <= p < 0.10	0.775	0.01 <= p < 0.05	0.653	Gamma; Lognormal	Gamma
12_2_112	MW-16C	Appendix III	Fluoride	mg/l	14	8	57%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.462		Nonparametric
12_2_120	MW-16C	Appendix III	pH, Field	su	14	0	0%	0.909	0.150	0.157	0.455	0.909	0.152	0.155	0.478	0.161	>= 0.10	0.487	>= 0.10	0.016	Gamma; Lognormal; Normal	Gamma
12_2_124	MW-16C	Appendix III	Sulfate	mg/l	14	0	0%	0.654	0.000	0.289	0.002	0.769	0.002	0.286	0.003	0.295	< 0.01	1.341	< 0.01	0.267	Nonparametric	Nonparametric
12_2_126	MW-16C	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	0.737	0.001	0.260	0.011	0.771	0.002	0.249	0.019	0.252	0.01 <= p < 0.05	1.280	< 0.01	0.076	Nonparametric	Nonparametric
12_3_101	MW-16C	Appendix IV	Antimony	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_3_102	MW-16C	Appendix IV	Arsenic	mg/l	14	11	79%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.234		Nonparametric
12_3_103	MW-16C	Appendix IV	Barium	mg/l	14	0	0%	0.848	0.021	0.237	0.031	0.906	0.139	0.197	0.150	0.215	0.05 <= p < 0.10	0.715	0.05 <= p < 0.10	0.281	Gamma; Lognormal	Gamma
12_3_104	MW-16C	Appendix IV	Beryllium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
12_3_106	MW-16C	Appendix IV	Cadmium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_3_109	MW-16C	Appendix IV	Chromium	mg/l	14	13	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_3_110	MW-16C	Appendix IV	Cobalt	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_3_113	MW-16C	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.462		Nonparametric
12_3_115	MW-16C	Appendix IV	Lead	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_3_116	MW-16C	Appendix IV	Lithium	mg/l	14	0	0%	0.915	0.185	0.190	0.188	0.915	0.184	0.189	0.190	0.199	>= 0.10	0.631	0.05 <= p < 0.10	0.057	Gamma; Lognormal; Normal	Gamma
12_3_117	MW-16C	Appendix IV	Mercury	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_3_118	MW-16C	Appendix IV	Molybdenum	mg/l	14	11	79%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.148		Nonparametric
12_3_121	MW-16C	Appendix IV	Radium-226+228	pci/l	14	3	21%	0.939	0.514	0.122	0.917	0.909	0.236	0.198	0.268	0.156	>= 0.10	0.308	>= 0.10	0.945	Gamma; Lognormal; Normal	Gamma
12_3_122	MW-16C	Appendix IV	Selenium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_3_125	MW-16C	Appendix IV	Thallium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_5_111	MW-16C	Part 115	Copper	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_5_114	MW-16C	Part 115	Iron	mg/l	14	0	0%	0.808	0.006	0.255	0.014	0.920	0.219	0.199	0.139	0.219	0.05 <= p < 0.10	0.635	0.05 <= p < 0.10	0.327	Gamma; Lognormal	Gamma
12_5_119	MW-16C	Part 115	Nickel	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_5_123	MW-16C	Part 115	Silver	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_5_128	MW-16C	Part 115	Vanadium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_5_129	MW-16C	Part 115	Zinc	mg/l	14	13	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_2_105	MW-16D	Appendix III	Boron	mg/l	14	0	0%	0.953	0.607	0.231	0.041	0.947	0.517	0.241	0.027	0.238	0.01 <= p < 0.05	0.463	>= 0.10	0.052	Gamma; Lognormal; Normal	Gamma
13_2_107	MW-16D	Appendix III	Calcium	mg/l	14	0	0%	0.882	0.063	0.228	0.048	0.875	0.049	0.234	0.037	0.226	0.05 <= p < 0.10	0.729	0.05 <= p < 0.10	0.030	Gamma; Normal	Gamma
13_2_108	MW-16D	Appendix III	Chloride	mg/l	14	0	0%	0.926	0.267	0.175	0.292	0.928	0.283	0.160	0.424	0.169	>= 0.10	0.480	>= 0.10	0.082	Gamma; Lognormal; Normal	Gamma
13_2_112	MW-16D	Appendix III	Fluoride	mg/l	14	8	57%	0.801	0.060	0.303	0.091	0.818	0.084	0.300	0.097	0.323	0.05 <= p < 0.10	0.640	0.05 <= p < 0.10	0.344	Gamma; Lognormal; Normal	Nonparametric
13_2_120	MW-16D	Appendix III	pH, Field	su	14	0	0%	0.880	0.058	0.172	0.315	0.884	0.066	0.170	0.331	0.174	>= 0.10	0.617	>= 0.10	0.015	Gamma; Lognormal; Normal	Gamma
13_2_124	MW-16D	Appendix III	Sulfate	mg/l	14	1	7%	0.841	0.022	0.229	0.061	0.955	0.670	0.156	0.522	0.174	>= 0.10	0.403	>= 0.10	0.352	Gamma; Lognormal; Normal	Gamma
13_2_126	MW-16D	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	0.933	0.333	0.184	0.222	0.936	0.373	0.181	0.244	0.175	>= 0.10	0.356	>= 0.10	0.025	Gamma; Lognormal; Normal	Gamma
13_3_101	MW-16D	Appendix IV	Antimony	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_3_102	MW-16D	Appendix IV	Arsenic	mg/l	14	3	21%	0.829	0.022	0.264	0.031	0.842	0.034	0.232	0.099	0.249	0.05 <= p < 0.10	0.853	0.01 <= p < 0.05	0.212	Gamma; Lognormal	Gamma
13_3_103	MW-16D	Appendix IV	Barium	mg/l	14	0	0%	0.905	0.132	0.208	0.101	0.885	0.069	0.219	0.066	0.220	0.05 <= p < 0.10	0.658	0.05 <= p < 0.10	0.078	Gamma; Lognormal; Normal	Gamma
13_3_104	MW-16D	Appendix IV	Beryllium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_3_106	MW-16D	Appendix IV	Cadmium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_3_109	MW-16D	Appendix IV	Chromium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_3_110	MW-16D	Appendix IV	Cobalt	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_3_113	MW-16D	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	0.801	0.060	0.303	0.091	0.818	0.084	0.300	0.097	0.323	0.05 <= p < 0.10	0.640	0.05 <= p < 0.10	0.344	Gamma; Lognormal; Normal	Nonparametric
13_3_115	MW-16D	Appendix IV	Lead	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_3_116	MW-16D	Appendix IV	Lithium	mg/l	14	0	0%	0.853	0.024	0.238	0.031	0.859	0.029	0.260	0.011	0.254	0.01 <= p < 0.05	1.031	< 0.01	0.124	Nonparametric	Nonparametric
13_3_117	MW-16D	Appendix IV	Mercury	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_3_118	MW-16D	Appendix IV	Molybdenum	mg/l	14	0	0%	0.819	0.009	0.258	0.012	0.719	0.001	0.283	0.003	0.279	< 0.01	1.272	< 0.01	0.214	Nonparametric	Nonparametric
13_3_121	MW-16D	Appendix IV	Radium-226+228	pci/l	14	2	14%	0.910	0.217	0.172	0.426	0.965	0.854	0.139	0.749	0.152	>= 0.10	0.240	>= 0.10	0.669	Gamma; Lognormal; Normal	Gamma
13_3_122	MW-16D	Appendix IV	Selenium	mg/l	14	13	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_3_125	MW-16D	Appendix IV	Thallium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal			Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
13_5_111	MW-16D	Part 115	Copper	mg/l	14	13	93%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_5_114	MW-16D	Part 115	Iron	mg/l	14	0	0%	0.958	0.697	0.124	0.809	0.826	0.011	0.229	0.045	0.190	>= 0.10	0.727	0.05 <= p < 0.10	0.663	Gamma; Normal	Gamma
13_5_119	MW-16D	Part 115	Nickel	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_5_123	MW-16D	Part 115	Silver	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_5_128	MW-16D	Part 115	Vanadium	mg/l	14	14	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_5_129	MW-16D	Part 115	Zinc	mg/l	14	1	7%	0.669	0.000	0.351	0.000	0.941	0.475	0.137	0.723	0.187	>= 0.10	0.526	>= 0.10	1.806	Gamma; Lognormal	Gamma
14_2_105	MW-17D	Appendix III	Boron	mg/l	9	0	0%	0.743	0.004	0.288	0.030	0.694	0.001	0.320	0.008	0.305	0.01 <= p < 0.05	1.072	< 0.01	0.137	Nonparametric	Nonparametric
14_2_107	MW-17D	Appendix III	Calcium	mg/l	9	0	0%	0.599	0.000	0.417	0.000	0.628	0.000	0.410	0.000	0.421	< 0.01	1.673	< 0.01	0.211	Nonparametric	Nonparametric
14_2_108	MW-17D	Appendix III	Chloride	mg/l	9	0	0%	0.498	0.000	0.453	0.000	0.783	0.013	0.290	0.028	0.374	< 0.01	1.326	< 0.01	0.878	Nonparametric	Nonparametric
14_2_112	MW-17D	Appendix III	Fluoride	mg/l	9	0	0%	0.786	0.014	0.333	0.005	0.771	0.010	0.349	0.002	0.355	< 0.01	1.059	< 0.01	0.228	Nonparametric	Nonparametric
14_2_120	MW-17D	Appendix III	pH, Field	su	11	0	0%	0.930	0.406	0.199	0.258	0.930	0.411	0.198	0.267	0.193	>= 0.10	0.439	>= 0.10	0.008	Gamma; Lognormal; Normal	Gamma
14_2_124	MW-17D	Appendix III	Sulfate	mg/l	9	0	0%	0.504	0.000	0.423	0.000	0.833	0.048	0.334	0.005	0.414	< 0.01	1.310	< 0.01	1.583	Nonparametric	Nonparametric
14_2_126	MW-17D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.508	0.000	0.382	0.000	0.579	0.000	0.358	0.001	0.375	< 0.01	1.879	< 0.01	0.348	Nonparametric	Nonparametric
14_3_101	MW-17D	Appendix IV	Antimony	mg/l	9	7	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.079		Nonparametric
14_3_102	MW-17D	Appendix IV	Arsenic	mg/l	9	2	22%	0.764	0.018	0.248	0.216	0.888	0.262	0.197	0.563	0.207	>= 0.10	0.509	>= 0.10	0.532	Gamma; Lognormal; Normal	Gamma
14_3_103	MW-17D	Appendix IV	Barium	mg/l	9	0	0%	0.691	0.001	0.297	0.021	0.761	0.007	0.257	0.089	0.268	0.05 <= p < 0.10	0.999	< 0.01	0.185	Gamma; Lognormal	Gamma
14_3_104	MW-17D	Appendix IV	Beryllium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_106	MW-17D	Appendix IV	Cadmium	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_109	MW-17D	Appendix IV	Chromium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_110	MW-17D	Appendix IV	Cobalt	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_113	MW-17D	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.786	0.014	0.333	0.005	0.771	0.010	0.349	0.002	0.355	< 0.01	1.059	< 0.01	0.228	Nonparametric	Nonparametric
14_3_115	MW-17D	Appendix IV	Lead	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_116	MW-17D	Appendix IV	Lithium	mg/l	9	0	0%	0.541	0.000	0.442	0.000	0.605	0.000	0.410	0.000	0.425	< 0.01	1.712	< 0.01	0.235	Nonparametric	Nonparametric
14_3_117	MW-17D	Appendix IV	Mercury	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_118	MW-17D	Appendix IV	Molybdenum	mg/l	9	1	11%	0.462	0.000	0.489	0.000	0.716	0.003	0.354	0.004	0.448	< 0.01	1.621	< 0.01	1.176	Nonparametric	Nonparametric
14_3_121	MW-17D	Appendix IV	Radium-226+228	pci/l	9	2	22%	0.833	0.085	0.291	0.075	0.873	0.199	0.269	0.131	0.294	0.05 <= p < 0.10	0.547	>= 0.10	0.546	Gamma; Lognormal; Normal	Gamma
14_3_122	MW-17D	Appendix IV	Selenium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_3_125	MW-17D	Appendix IV	Thallium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_5_111	MW-17D	Part 115	Copper	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_5_114	MW-17D	Part 115	Iron	mg/l	9	0	0%	0.716	0.002	0.396	0.000	0.866	0.111	0.298	0.020	0.329	< 0.01	0.794	0.01 <= p < 0.05	0.554	Lognormal	Lognormal
14_5_119	MW-17D	Part 115	Nickel	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_5_123	MW-17D	Part 115	Silver	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_5_128	MW-17D	Part 115	Vanadium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_5_129	MW-17D	Part 115	Zinc	mg/l	9	5	56%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		3.899		Nonparametric
15_2_105	MW-17E	Appendix III	Boron	mg/l	9	0	0%	0.892	0.211	0.192	0.444	0.866	0.111	0.218	0.252	0.201	>= 0.10	0.592	>= 0.10	0.131	Gamma; Lognormal; Normal	Gamma
15_2_107	MW-17E	Appendix III	Calcium	mg/l	9	0	0%	0.578	0.000	0.456	0.000	0.602	0.000	0.426	0.000	0.457	< 0.01	1.986	< 0.01	0.905	Nonparametric	Nonparametric
15_2_108	MW-17E	Appendix III	Chloride	mg/l	9	0	0%	0.649	0.000	0.382	0.000	0.750	0.005	0.277	0.045	0.311	0.01 <= p < 0.05	1.272	< 0.01	0.883	Nonparametric	Nonparametric
15_2_112	MW-17E	Appendix III	Fluoride	mg/l	9	0	0%	0.762	0.007	0.248	0.113	0.603	0.000	0.353	0.002	0.316	0.01 <= p < 0.05	1.359	< 0.01	0.560	Normal	Normal
15_2_120	MW-17E	Appendix III	pH, Field	su	11	0	0%	0.664	0.000	0.333	0.001	0.650	0.000	0.335	0.001	0.342	< 0.01	1.542	< 0.01	0.040	Nonparametric	Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
15_2_124	MW-17E	Appendix III	Sulfate	mg/l	9	3	33%	0.539	0.000	0.449	0.000	0.964	0.850	0.209	0.566	0.297	>= 0.10	0.560	>= 0.10	2.780	Gamma; Lognormal	Gamma
15_2_126	MW-17E	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.709	0.002	0.347	0.003	0.770	0.009	0.314	0.011	0.324	< 0.01	1.035	< 0.01	0.148	Nonparametric	Nonparametric
15_3_101	MW-17E	Appendix IV	Antimony	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_102	MW-17E	Appendix IV	Arsenic	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_103	MW-17E	Appendix IV	Barium	mg/l	9	0	0%	0.551	0.000	0.406	0.000	0.692	0.001	0.349	0.002	0.392	< 0.01	1.565	< 0.01	0.783	Nonparametric	Nonparametric
15_3_104	MW-17E	Appendix IV	Beryllium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_106	MW-17E	Appendix IV	Cadmium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_109	MW-17E	Appendix IV	Chromium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_110	MW-17E	Appendix IV	Cobalt	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_113	MW-17E	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.762	0.007	0.248	0.113	0.603	0.000	0.353	0.002	0.316	0.01 <= p < 0.05	1.359	< 0.01	0.560	Normal	Normal
15_3_115	MW-17E	Appendix IV	Lead	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_116	MW-17E	Appendix IV	Lithium	mg/l	9	0	0%	0.866	0.112	0.196	0.406	0.901	0.259	0.178	0.562	0.184	>= 0.10	0.426	>= 0.10	0.108	Gamma; Lognormal; Normal	Gamma
15_3_117	MW-17E	Appendix IV	Mercury	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_118	MW-17E	Appendix IV	Molybdenum	mg/l	9	7	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.185		Nonparametric
15_3_121	MW-17E	Appendix IV	Radium-226+228	pci/l	9	5	56%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.857		Nonparametric
15_3_122	MW-17E	Appendix IV	Selenium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_3_125	MW-17E	Appendix IV	Thallium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_5_111	MW-17E	Part 115	Copper	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_5_114	MW-17E	Part 115	Iron	mg/l	9	0	0%	0.684	0.001	0.345	0.003	0.932	0.502	0.186	0.492	0.233	>= 0.10	0.484	>= 0.10	0.844	Gamma; Lognormal	Gamma
15_5_119	MW-17E	Part 115	Nickel	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_5_123	MW-17E	Part 115	Silver	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_5_128	MW-17E	Part 115	Vanadium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
15_5_129	MW-17E	Part 115	Zinc	mg/l	9	6	67%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		3.437		Nonparametric
16_2_105	MW-18C	Appendix III	Boron	mg/l	10	0	0%	0.897	0.205	0.207	0.261	0.886	0.152	0.213	0.222	0.225	>= 0.10	0.553	>= 0.10	0.113	Gamma; Lognormal; Normal	Gamma
16_2_107	MW-18C	Appendix III	Calcium	mg/l	10	0	0%	0.963	0.824	0.148	0.772	0.901	0.226	0.188	0.407	0.165	>= 0.10	0.343	>= 0.10	0.233	Gamma; Lognormal; Normal	Gamma
16_2_108	MW-18C	Appendix III	Chloride	mg/l	10	0	0%	0.837	0.040	0.240	0.106	0.710	0.001	0.251	0.075	0.259	0.05 <= p < 0.10	0.990	< 0.01	0.428	Gamma; Lognormal; Normal	Gamma
16_2_112	MW-18C	Appendix III	Fluoride	mg/l	10	2	20%	0.981	0.966	0.164	0.761	0.981	0.967	0.138	0.927	0.127	>= 0.10	0.160	>= 0.10	0.323	Gamma; Lognormal; Normal	Gamma
16_2_120	MW-18C	Appendix III	pH, Field	su	12	0	0%	0.964	0.836	0.126	0.860	0.963	0.828	0.126	0.867	0.131	>= 0.10	0.235	>= 0.10	0.012	Gamma; Lognormal; Normal	Gamma
16_2_124	MW-18C	Appendix III	Sulfate	mg/l	10	0	0%	0.890	0.169	0.184	0.435	0.756	0.004	0.279	0.026	0.241	>= 0.10	0.731	0.01 <= p < 0.05	0.419	Gamma; Normal	Gamma
16_2_126	MW-18C	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	0.958	0.764	0.140	0.834	0.896	0.200	0.170	0.565	0.147	>= 0.10	0.370	>= 0.10	0.232	Gamma; Lognormal; Normal	Gamma
16_3_101	MW-18C	Appendix IV	Antimony	mg/l	10	9	90%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_3_102	MW-18C	Appendix IV	Arsenic	mg/l	10	6	60%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.342		Nonparametric
16_3_103	MW-18C	Appendix IV	Barium	mg/l	10	0	0%	0.883	0.142	0.177	0.503	0.812	0.020	0.201	0.304	0.199	>= 0.10	0.609	>= 0.10	0.229	Gamma; Lognormal; Normal	Gamma
16_3_104	MW-18C	Appendix IV	Beryllium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_3_106	MW-18C	Appendix IV	Cadmium	mg/l	10	9	90%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_3_109	MW-18C	Appendix IV	Chromium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_3_110	MW-18C	Appendix IV	Cobalt	mg/l	10	5	50%	0.908	0.453	0.300	0.146	0.875	0.287	0.323	0.095	0.317	>= 0.10	0.449	>= 0.10	0.154	Gamma; Lognormal; Normal	Nonparametric
16_3_113	MW-18C	Appendix IV	Fluoride (App IV)	mg/l	10	2	20%	0.981	0.966	0.164	0.761	0.981	0.967	0.138	0.927	0.127	>= 0.10	0.160	>= 0.10	0.323	Gamma; Lognormal; Normal	Gamma
16_3_115	MW-18C	Appendix IV	Lead	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
16_3_116	MW-18C	Appendix IV	Lithium	mg/l	10	0	0%	0.944	0.596	0.206	0.268	0.941	0.566	0.198	0.322	0.180	>= 0.10	0.362	>= 0.10	0.207	Gamma; Lognormal; Normal	Gamma
16_3_117	MW-18C	Appendix IV	Mercury	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_3_118	MW-18C	Appendix IV	Molybdenum	mg/l	10	0	0%	0.919	0.351	0.152	0.741	0.756	0.004	0.253	0.069	0.211	>= 0.10	0.699	0.05 <= p < 0.10	0.442	Gamma; Lognormal; Normal	Gamma
16_3_121	MW-18C	Appendix IV	Radium-226+228	pci/l	10	0	0%	0.894	0.190	0.174	0.531	0.916	0.327	0.173	0.540	0.187	>= 0.10	0.398	>= 0.10	0.357	Gamma; Lognormal; Normal	Gamma
16_3_122	MW-18C	Appendix IV	Selenium	mg/l	10	9	90%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_3_125	MW-18C	Appendix IV	Thallium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_5_111	MW-18C	Part 115	Copper	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_5_114	MW-18C	Part 115	Iron	mg/l	10	0	0%	0.956	0.737	0.160	0.659	0.826	0.030	0.226	0.157	0.187	>= 0.10	0.516	>= 0.10	0.421	Gamma; Lognormal; Normal	Gamma
16_5_119	MW-18C	Part 115	Nickel	mg/l	10	1	10%	0.943	0.617	0.161	0.723	0.798	0.019	0.259	0.082	0.218	>= 0.10	0.551	>= 0.10	0.470	Gamma; Lognormal; Normal	Gamma
16_5_123	MW-18C	Part 115	Silver	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_5_128	MW-18C	Part 115	Vanadium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_5_129	MW-18C	Part 115	Zinc	mg/l	10	7	70%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.376		Nonparametric
17_2_105	MW-18D	Appendix III	Boron	mg/l	10	0	0%	0.902	0.232	0.226	0.155	0.867	0.091	0.249	0.078	0.239	>= 0.10	0.524	>= 0.10	0.112	Gamma; Lognormal; Normal	Gamma
17_2_107	MW-18D	Appendix III	Calcium	mg/l	10	0	0%	0.701	0.001	0.294	0.014	0.901	0.227	0.190	0.384	0.216	>= 0.10	0.689	0.05 <= p < 0.10	0.473	Gamma; Lognormal	Gamma
17_2_108	MW-18D	Appendix III	Chloride	mg/l	10	0	0%	0.815	0.022	0.217	0.203	0.969	0.882	0.144	0.803	0.150	>= 0.10	0.331	>= 0.10	0.528	Gamma; Lognormal; Normal	Gamma
17_2_112	MW-18D	Appendix III	Fluoride	mg/l	10	1	10%	0.932	0.503	0.199	0.380	0.879	0.154	0.241	0.139	0.232	>= 0.10	0.494	>= 0.10	0.282	Gamma; Lognormal; Normal	Gamma
17_2_120	MW-18D	Appendix III	pH, Field	su	12	0	0%	0.946	0.576	0.153	0.613	0.947	0.593	0.150	0.637	0.147	>= 0.10	0.292	>= 0.10	0.013	Gamma; Lognormal; Normal	Gamma
17_2_124	MW-18D	Appendix III	Sulfate	mg/l	10	0	0%	0.715	0.001	0.287	0.019	0.933	0.474	0.183	0.449	0.199	>= 0.10	0.566	>= 0.10	0.559	Gamma; Lognormal	Gamma
17_2_126	MW-18D	Appendix III	Total Dissolved Solids	mg/l	10	1	10%	0.756	0.006	0.260	0.079	0.875	0.138	0.221	0.231	0.240	>= 0.10	0.652	0.05 <= p < 0.10	0.294	Gamma; Lognormal; Normal	Gamma
17_3_101	MW-18D	Appendix IV	Antimony	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_102	MW-18D	Appendix IV	Arsenic	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_103	MW-18D	Appendix IV	Barium	mg/l	10	0	0%	0.852	0.061	0.237	0.114	0.955	0.730	0.195	0.351	0.218	>= 0.10	0.389	>= 0.10	0.398	Gamma; Lognormal; Normal	Gamma
17_3_104	MW-18D	Appendix IV	Beryllium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_106	MW-18D	Appendix IV	Cadmium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_109	MW-18D	Appendix IV	Chromium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_110	MW-18D	Appendix IV	Cobalt	mg/l	10	6	60%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.600		Nonparametric
17_3_113	MW-18D	Appendix IV	Fluoride (App IV)	mg/l	10	1	10%	0.932	0.503	0.199	0.380	0.879	0.154	0.241	0.139	0.232	>= 0.10	0.494	>= 0.10	0.282	Gamma; Lognormal; Normal	Gamma
17_3_115	MW-18D	Appendix IV	Lead	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_116	MW-18D	Appendix IV	Lithium	mg/l	10	0	0%	0.934	0.487	0.165	0.618	0.934	0.493	0.153	0.726	0.170	>= 0.10	0.350	>= 0.10	0.247	Gamma; Lognormal; Normal	Gamma
17_3_117	MW-18D	Appendix IV	Mercury	mg/l	10	9	90%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_118	MW-18D	Appendix IV	Molybdenum	mg/l	10	0	0%	0.931	0.463	0.221	0.181	0.958	0.762	0.185	0.433	0.178	>= 0.10	0.291	>= 0.10	0.472	Gamma; Lognormal; Normal	Gamma
17_3_121	MW-18D	Appendix IV	Radium-226+228	pci/l	10	3	30%	0.791	0.033	0.289	0.080	0.891	0.278	0.271	0.125	0.298	0.05 <= p < 0.10	0.580	>= 0.10	0.746	Gamma; Lognormal; Normal	Gamma
17_3_122	MW-18D	Appendix IV	Selenium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_3_125	MW-18D	Appendix IV	Thallium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_5_111	MW-18D	Part 115	Copper	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_5_114	MW-18D	Part 115	Iron	mg/l	10	0	0%	0.746	0.003	0.295	0.014	0.923	0.379	0.226	0.158	0.258	0.05 <= p < 0.10	0.618	>= 0.10	0.505	Gamma; Lognormal	Gamma
17_5_119	MW-18D	Part 115	Nickel	mg/l	10	1	10%	0.939	0.574	0.160	0.727	0.917	0.369	0.210	0.299	0.181	>= 0.10	0.307	>= 0.10	0.374	Gamma; Lognormal; Normal	Gamma
17_5_123	MW-18D	Part 115	Silver	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_5_128	MW-18D	Part 115	Vanadium	mg/l	10	10	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal			Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
17_5_129	MW-18D	Part 115	Zinc	mg/l	10	7	70%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.354		Nonparametric
18_2_105	MW-19C	Appendix III	Boron	mg/l	9	0	0%	0.833	0.048	0.189	0.469	0.735	0.004	0.234	0.168	0.202	>= 0.10	0.835	0.01 <= p < 0.05	0.306	Gamma; Lognormal; Normal	Gamma
18_2_107	MW-19C	Appendix III	Calcium	mg/l	9	0	0%	0.870	0.123	0.196	0.409	0.884	0.175	0.188	0.477	0.191	>= 0.10	0.461	>= 0.10	0.049	Gamma; Lognormal; Normal	Gamma
18_2_108	MW-19C	Appendix III	Chloride	mg/l	9	0	0%	0.860	0.095	0.270	0.058	0.882	0.163	0.262	0.076	0.276	0.05 <= p < 0.10	0.572	>= 0.10	0.198	Gamma; Lognormal; Normal	Gamma
18_2_112	MW-19C	Appendix III	Fluoride	mg/l	9	0	0%	0.828	0.043	0.290	0.028	0.809	0.026	0.306	0.015	0.302	0.01 <= p < 0.05	0.910	0.01 <= p < 0.05	0.094	Nonparametric	Nonparametric
18_2_120	MW-19C	Appendix III	pH, Field	su	9	0	0%	0.950	0.691	0.136	0.901	0.950	0.688	0.134	0.914	0.139	>= 0.10	0.242	>= 0.10	0.014	Gamma; Lognormal; Normal	Gamma
18_2_124	MW-19C	Appendix III	Sulfate	mg/l	9	0	0%	0.618	0.000	0.373	0.001	0.888	0.189	0.220	0.237	0.298	0.01 <= p < 0.05	0.824	0.01 <= p < 0.05	1.006	Lognormal	Nonparametric
18_2_126	MW-19C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.901	0.260	0.169	0.648	0.884	0.173	0.176	0.582	0.185	>= 0.10	0.426	>= 0.10	0.076	Gamma; Lognormal; Normal	Gamma
18_3_101	MW-19C	Appendix IV	Antimony	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_102	MW-19C	Appendix IV	Arsenic	mg/l	9	6	67%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.165		Nonparametric
18_3_103	MW-19C	Appendix IV	Barium	mg/l	9	0	0%	0.813	0.029	0.296	0.022	0.858	0.092	0.279	0.043	0.291	0.01 <= p < 0.05	0.742	0.01 <= p < 0.05	0.172	Lognormal	Lognormal
18_3_104	MW-19C	Appendix IV	Beryllium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_106	MW-19C	Appendix IV	Cadmium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_109	MW-19C	Appendix IV	Chromium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_110	MW-19C	Appendix IV	Cobalt	mg/l	9	7	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.237		Nonparametric
18_3_113	MW-19C	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.828	0.043	0.290	0.028	0.809	0.026	0.306	0.015	0.302	0.01 <= p < 0.05	0.910	0.01 <= p < 0.05	0.094	Nonparametric	Nonparametric
18_3_115	MW-19C	Appendix IV	Lead	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_116	MW-19C	Appendix IV	Lithium	mg/l	9	0	0%	0.933	0.510	0.167	0.668	0.927	0.453	0.179	0.560	0.179	>= 0.10	0.329	>= 0.10	0.068	Gamma; Lognormal; Normal	Gamma
18_3_117	MW-19C	Appendix IV	Mercury	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_118	MW-19C	Appendix IV	Molybdenum	mg/l	9	7	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.075		Nonparametric
18_3_121	MW-19C	Appendix IV	Radium-226+228	pci/l	9	2	22%	0.964	0.852	0.159	0.857	0.944	0.677	0.197	0.567	0.194	>= 0.10	0.263	>= 0.10	0.292	Gamma; Lognormal; Normal	Gamma
18_3_122	MW-19C	Appendix IV	Selenium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_3_125	MW-19C	Appendix IV	Thallium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_5_111	MW-19C	Part 115	Copper	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_5_114	MW-19C	Part 115	Iron	mg/l	9	0	0%	0.952	0.714	0.137	0.897	0.957	0.761	0.120	0.967	0.134	>= 0.10	0.228	>= 0.10	0.171	Gamma; Lognormal; Normal	Gamma
18_5_119	MW-19C	Part 115	Nickel	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_5_123	MW-19C	Part 115	Silver	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_5_128	MW-19C	Part 115	Vanadium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_5_129	MW-19C	Part 115	Zinc	mg/l	9	5	56%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.686		Nonparametric
19_2_105	MW-19D	Appendix III	Boron	mg/l	9	0	0%	0.416	0.000	0.508	0.000	0.461	0.000	0.488	0.000	0.513	< 0.01	2.595	< 0.01	0.581	Nonparametric	Nonparametric
19_2_107	MW-19D	Appendix III	Calcium	mg/l	9	0	0%	0.462	0.000	0.460	0.000	0.418	0.000	0.496	0.000	0.503	< 0.01	2.672	< 0.01	0.784	Nonparametric	Nonparametric
19_2_108	MW-19D	Appendix III	Chloride	mg/l	9	0	0%	0.446	0.000	0.486	0.000	0.554	0.000	0.425	0.000	0.466	< 0.01	2.186	< 0.01	0.627	Nonparametric	Nonparametric
19_2_112	MW-19D	Appendix III	Fluoride	mg/l	9	0	0%	0.439	0.000	0.501	0.000	0.492	0.000	0.481	0.000	0.500	< 0.01	2.419	< 0.01	0.434	Nonparametric	Nonparametric
19_2_120	MW-19D	Appendix III	pH, Field	su	9	0	0%	0.617	0.000	0.377	0.001	0.635	0.000	0.365	0.001	0.368	< 0.01	1.425	< 0.01	0.059	Nonparametric	Nonparametric
19_2_124	MW-19D	Appendix III	Sulfate	mg/l	9	0	0%	0.623	0.000	0.371	0.001	0.526	0.000	0.433	0.000	0.420	< 0.01	1.886	< 0.01	0.426	Nonparametric	Nonparametric
19_2_126	MW-19D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.561	0.000	0.356	0.002	0.603	0.000	0.317	0.010	0.328	< 0.01	1.658	< 0.01	0.169	Nonparametric	Nonparametric
19_3_101	MW-19D	Appendix IV	Antimony	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_102	MW-19D	Appendix IV	Arsenic	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_103	MW-19D	Appendix IV	Barium	mg/l	9	0	0%	0.773	0.010	0.292	0.026	0.714	0.002	0.326	0.007	0.301	0.01 <= p < 0.05	1.047	< 0.01	0.146	Nonparametric	Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
19_3_104	MW-19D	Appendix IV	Beryllium	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_106	MW-19D	Appendix IV	Cadmium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_109	MW-19D	Appendix IV	Chromium	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_110	MW-19D	Appendix IV	Cobalt	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_113	MW-19D	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.439	0.000	0.501	0.000	0.492	0.000	0.481	0.000	0.500	< 0.01	2.419	< 0.01	0.434	Nonparametric	Nonparametric
19_3_115	MW-19D	Appendix IV	Lead	mg/l	9	7	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.069		Nonparametric
19_3_116	MW-19D	Appendix IV	Lithium	mg/l	9	0	0%	0.637	0.000	0.309	0.013	0.586	0.000	0.355	0.002	0.339	< 0.01	1.576	< 0.01	0.210	Nonparametric	Nonparametric
19_3_117	MW-19D	Appendix IV	Mercury	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_118	MW-19D	Appendix IV	Molybdenum	mg/l	9	0	0%	0.901	0.256	0.148	0.827	0.889	0.193	0.162	0.714	0.173	>= 0.10	0.447	>= 0.10	0.199	Gamma; Lognormal; Normal	Gamma
19_3_121	MW-19D	Appendix IV	Radium-226+228	pci/l	9	5	56%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.140		Nonparametric
19_3_122	MW-19D	Appendix IV	Selenium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_3_125	MW-19D	Appendix IV	Thallium	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_5_111	MW-19D	Part 115	Copper	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_5_114	MW-19D	Part 115	Iron	mg/l	9	0	0%	0.513	0.000	0.463	0.000	0.756	0.006	0.349	0.002	0.410	< 0.01	1.377	< 0.01	0.723	Nonparametric	Nonparametric
19_5_119	MW-19D	Part 115	Nickel	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_5_123	MW-19D	Part 115	Silver	mg/l	9	9	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_5_128	MW-19D	Part 115	Vanadium	mg/l	9	8	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_5_129	MW-19D	Part 115	Zinc	mg/l	9	6	67%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.180		Nonparametric
20_2_105	MW-100C	Appendix III	Boron	mg/l	12	0	0%	0.862	0.051	0.209	0.157	0.841	0.029	0.221	0.107	0.215	>= 0.10	0.668	0.05 <= p < 0.10	0.061	Gamma; Lognormal; Normal	Gamma
20_2_107	MW-100C	Appendix III	Calcium	mg/l	12	0	0%	0.899	0.156	0.206	0.172	0.896	0.142	0.212	0.142	0.212	>= 0.10	0.601	>= 0.10	0.036	Gamma; Lognormal; Normal	Gamma
20_2_108	MW-100C	Appendix III	Chloride	mg/l	12	0	0%	0.841	0.029	0.267	0.018	0.949	0.625	0.189	0.280	0.222	>= 0.10	0.451	>= 0.10	0.516	Gamma; Lognormal	Gamma
20_2_112	MW-100C	Appendix III	Fluoride	mg/l	12	7	58%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.519		Nonparametric
20_2_120	MW-100C	Appendix III	pH, Field	su	12	0	0%	0.982	0.991	0.121	0.897	0.983	0.992	0.118	0.914	0.121	>= 0.10	0.170	>= 0.10	0.016	Gamma; Lognormal; Normal	Gamma
20_2_124	MW-100C	Appendix III	Sulfate	mg/l	12	0	0%	0.774	0.005	0.274	0.013	0.967	0.872	0.144	0.703	0.189	>= 0.10	0.447	>= 0.10	0.726	Gamma; Lognormal	Gamma
20_2_126	MW-100C	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	0.812	0.013	0.268	0.017	0.784	0.006	0.274	0.013	0.280	0.01 <= p < 0.05	0.961	0.01 <= p < 0.05	0.073	Nonparametric	Nonparametric
20_3_101	MW-100C	Appendix IV	Antimony	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_102	MW-100C	Appendix IV	Arsenic	mg/l	12	10	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.034		Nonparametric
20_3_103	MW-100C	Appendix IV	Barium	mg/l	12	0	0%	0.943	0.537	0.179	0.358	0.929	0.372	0.183	0.326	0.197	>= 0.10	0.445	>= 0.10	0.185	Gamma; Lognormal; Normal	Gamma
20_3_104	MW-100C	Appendix IV	Beryllium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_106	MW-100C	Appendix IV	Cadmium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_109	MW-100C	Appendix IV	Chromium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_110	MW-100C	Appendix IV	Cobalt	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_113	MW-100C	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.519		Nonparametric
20_3_115	MW-100C	Appendix IV	Lead	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_116	MW-100C	Appendix IV	Lithium	mg/l	12	0	0%	0.909	0.207	0.233	0.071	0.894	0.133	0.245	0.045	0.240	0.05 <= p < 0.10	0.642	0.05 <= p < 0.10	0.063	Gamma; Lognormal; Normal	Gamma
20_3_117	MW-100C	Appendix IV	Mercury	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_118	MW-100C	Appendix IV	Molybdenum	mg/l	12	7	58%	0.803	0.085	0.246	0.407	0.787	0.063	0.312	0.112	0.317	>= 0.10	0.646	0.05 <= p < 0.10	1.031	Gamma; Lognormal; Normal	Nonparametric
20_3_121	MW-100C	Appendix IV	Radium-226+228	pci/l	12	1	8%	0.929	0.404	0.142	0.778	0.928	0.393	0.140	0.793	0.148	>= 0.10	0.321	>= 0.10	0.449	Gamma; Lognormal; Normal	Gamma
20_3_122	MW-100C	Appendix IV	Selenium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
20_3_125	MW-100C	Appendix IV	Thallium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_5_111	MW-100C	Part 115	Copper	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_5_114	MW-100C	Part 115	Iron	mg/l	12	0	0%	0.914	0.241	0.191	0.262	0.893	0.129	0.210	0.151	0.186	>= 0.10	0.536	>= 0.10	0.300	Gamma; Lognormal; Normal	Gamma
20_5_119	MW-100C	Part 115	Nickel	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_5_123	MW-100C	Part 115	Silver	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_5_128	MW-100C	Part 115	Vanadium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_5_129	MW-100C	Part 115	Zinc	mg/l	12	9	75%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.244		Nonparametric
21_2_105	MW-100D	Appendix III	Boron	mg/l	12	0	0%	0.835	0.024	0.264	0.020	0.801	0.010	0.271	0.015	0.277	0.01 <= p < 0.05	0.966	0.01 <= p < 0.05	0.206	Nonparametric	Nonparametric
21_2_107	MW-100D	Appendix III	Calcium	mg/l	12	0	0%	0.709	0.001	0.294	0.005	0.826	0.019	0.279	0.010	0.304	< 0.01	1.093	< 0.01	0.934	Nonparametric	Nonparametric
21_2_108	MW-100D	Appendix III	Chloride	mg/l	12	4	33%	0.864	0.133	0.217	0.326	0.919	0.422	0.142	0.908	0.171	>= 0.10	0.373	>= 0.10	0.505	Gamma; Lognormal; Normal	Gamma
21_2_112	MW-100D	Appendix III	Fluoride	mg/l	12	5	42%	0.914	0.427	0.209	0.471	0.944	0.673	0.165	0.820	0.190	>= 0.10	0.283	>= 0.10	0.387	Gamma; Lognormal; Normal	Gamma
21_2_120	MW-100D	Appendix III	pH, Field	su	12	0	0%	0.973	0.940	0.099	0.987	0.965	0.857	0.109	0.960	0.105	>= 0.10	0.200	>= 0.10	0.052	Gamma; Lognormal; Normal	Gamma
21_2_124	MW-100D	Appendix III	Sulfate	mg/l	12	1	8%	0.771	0.004	0.248	0.058	0.923	0.342	0.201	0.244	0.239	>= 0.10	0.572	>= 0.10	0.934	Gamma; Lognormal; Normal	Gamma
21_2_126	MW-100D	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	0.783	0.006	0.223	0.102	0.828	0.020	0.201	0.200	0.209	>= 0.10	0.961	0.01 <= p < 0.05	0.180	Gamma; Lognormal; Normal	Gamma
21_3_101	MW-100D	Appendix IV	Antimony	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_3_102	MW-100D	Appendix IV	Arsenic	mg/l	12	2	17%	0.633	0.000	0.415	0.000	0.626	0.000	0.410	0.000	0.422	< 0.01	1.907	< 0.01	0.239	Nonparametric	Nonparametric
21_3_103	MW-100D	Appendix IV	Barium	mg/l	12	0	0%	0.842	0.029	0.245	0.045	0.922	0.299	0.202	0.191	0.221	>= 0.10	0.549	>= 0.10	0.282	Gamma; Lognormal	Gamma
21_3_104	MW-100D	Appendix IV	Beryllium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_3_106	MW-100D	Appendix IV	Cadmium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_3_109	MW-100D	Appendix IV	Chromium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_3_110	MW-100D	Appendix IV	Cobalt	mg/l	12	10	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.171		Nonparametric
21_3_113	MW-100D	Appendix IV	Fluoride (App IV)	mg/l	12	5	42%	0.914	0.427	0.209	0.471	0.944	0.673	0.165	0.820	0.190	>= 0.10	0.283	>= 0.10	0.387	Gamma; Lognormal; Normal	Gamma
21_3_115	MW-100D	Appendix IV	Lead	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_3_116	MW-100D	Appendix IV	Lithium	mg/l	12	0	0%	0.625	0.000	0.323	0.001	0.705	0.001	0.303	0.003	0.313	< 0.01	1.426	< 0.01	0.181	Nonparametric	Nonparametric
21_3_117	MW-100D	Appendix IV	Mercury	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_3_118	MW-100D	Appendix IV	Molybdenum	mg/l	12	1	8%	0.968	0.862	0.137	0.815	0.980	0.968	0.105	0.983	0.124	>= 0.10	0.173	>= 0.10	0.265	Gamma; Lognormal; Normal	Gamma
21_3_121	MW-100D	Appendix IV	Radium-226+228	pci/l	12	2	17%	0.635	0.000	0.339	0.002	0.905	0.251	0.181	0.464	0.232	>= 0.10	0.696	0.05 <= p < 0.10	0.680	Gamma; Lognormal	Gamma
21_3_122	MW-100D	Appendix IV	Selenium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_3_125	MW-100D	Appendix IV	Thallium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_5_111	MW-100D	Part 115	Copper	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_5_114	MW-100D	Part 115	Iron	mg/l	12	0	0%	0.861	0.050	0.200	0.205	0.934	0.419	0.145	0.693	0.152	>= 0.10	0.365	>= 0.10	0.636	Gamma; Lognormal; Normal	Gamma
21_5_119	MW-100D	Part 115	Nickel	mg/l	12	11	92%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_5_123	MW-100D	Part 115	Silver	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_5_128	MW-100D	Part 115	Vanadium	mg/l	12	12	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_5_129	MW-100D	Part 115	Zinc	mg/l	12	10	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.689		Nonparametric

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 4: Autocorrelation Tests, Non-Detects Excluded

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
11_2_105	MW-7B	Appendix III	Boron	mg/l	15	0	0%	-0.168	0.474	
11_2_107	MW-7B	Appendix III	Calcium	mg/l	15	0	0%	0.316	0.178	
11_2_108	MW-7B	Appendix III	Chloride	mg/l	15	10	67%	0.318	0.347	
11_2_112	MW-7B	Appendix III	Fluoride	mg/l	15	10	67%	0.284	0.401	
11_2_120	MW-7B	Appendix III	pH, Field	su	15	0	0%	-0.093	0.691	
11_2_124	MW-7B	Appendix III	Sulfate	mg/l	15	10	67%	-0.136	0.687	
11_2_126	MW-7B	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	-0.108	0.646	
11_3_102	MW-7B	Appendix IV	Arsenic	mg/l	15	12	80%	-0.167	0.648	
11_3_103	MW-7B	Appendix IV	Barium	mg/l	15	0	0%	0.594	0.011	*
11_3_104	MW-7B	Appendix IV	Beryllium	mg/l	15	14	93%	NA	NA	
11_3_106	MW-7B	Appendix IV	Cadmium	mg/l	15	14	93%	NA	NA	
11_3_110	MW-7B	Appendix IV	Cobalt	mg/l	15	14	93%	NA	NA	
11_3_113	MW-7B	Appendix IV	Fluoride (App IV)	mg/l	15	10	67%	0.284	0.401	
11_3_115	MW-7B	Appendix IV	Lead	mg/l	15	14	93%	NA	NA	
11_3_116	MW-7B	Appendix IV	Lithium	mg/l	15	0	0%	-0.320	0.172	
11_3_121	MW-7B	Appendix IV	Radium-226+228	pci/l	15	1	7%	-0.486	0.044	*
11_5_114	MW-7B	Part 115	Iron	mg/l	15	0	0%	0.786	0.001	***
11_5_129	MW-7B	Part 115	Zinc	mg/l	15	14	93%	NA	NA	
12_2_105	MW-16C	Appendix III	Boron	mg/l	14	0	0%	-0.012	0.961	
12_2_107	MW-16C	Appendix III	Calcium	mg/l	14	0	0%	0.629	0.009	**
12_2_108	MW-16C	Appendix III	Chloride	mg/l	14	6	43%	0.139	0.639	
12_2_112	MW-16C	Appendix III	Fluoride	mg/l	14	8	57%	0.557	0.085	
12_2_120	MW-16C	Appendix III	pH, Field	su	14	0	0%	0.366	0.129	
12_2_124	MW-16C	Appendix III	Sulfate	mg/l	14	0	0%	0.085	0.723	
12_2_126	MW-16C	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	0.371	0.124	
12_3_102	MW-16C	Appendix IV	Arsenic	mg/l	14	11	79%	-0.167	0.648	
12_3_103	MW-16C	Appendix IV	Barium	mg/l	14	0	0%	0.765	0.001	**
12_3_109	MW-16C	Appendix IV	Chromium	mg/l	14	13	93%	NA	NA	
12_3_113	MW-16C	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	0.557	0.085	
12_3_116	MW-16C	Appendix IV	Lithium	mg/l	14	0	0%	-0.008	0.974	
12_3_118	MW-16C	Appendix IV	Molybdenum	mg/l	14	11	79%	-0.323	0.377	
12_3_121	MW-16C	Appendix IV	Radium-226+228	pci/l	14	3	21%	-0.504	0.057	
12_5_114	MW-16C	Part 115	Iron	mg/l	14	0	0%	0.588	0.015	*
12_5_129	MW-16C	Part 115	Zinc	mg/l	14	13	93%	NA	NA	
13_2_105	MW-16D	Appendix III	Boron	mg/l	14	0	0%	0.068	0.779	
13_2_107	MW-16D	Appendix III	Calcium	mg/l	14	0	0%	0.211	0.382	
13_2_108	MW-16D	Appendix III	Chloride	mg/l	14	0	0%	0.350	0.146	
13_2_112	MW-16D	Appendix III	Fluoride	mg/l	14	8	57%	0.554	0.086	
13_2_120	MW-16D	Appendix III	pH, Field	su	14	0	0%	-0.103	0.670	
13_2_124	MW-16D	Appendix III	Sulfate	mg/l	14	1	7%	0.483	0.052	
13_2_126	MW-16D	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	0.344	0.154	
13_3_102	MW-16D	Appendix IV	Arsenic	mg/l	14	3	21%	0.172	0.515	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
13_3_103	MW-16D	Appendix IV	Barium	mg/l	14	0	0%	0.617	0.010	*
13_3_113	MW-16D	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	0.554	0.086	
13_3_116	MW-16D	Appendix IV	Lithium	mg/l	14	0	0%	0.214	0.373	
13_3_118	MW-16D	Appendix IV	Molybdenum	mg/l	14	0	0%	0.050	0.834	
13_3_121	MW-16D	Appendix IV	Radium-226+228	pci/l	14	2	14%	-0.399	0.119	
13_3_122	MW-16D	Appendix IV	Selenium	mg/l	14	13	93%	NA	NA	
13_5_111	MW-16D	Part 115	Copper	mg/l	14	13	93%	NA	NA	
13_5_114	MW-16D	Part 115	Iron	mg/l	14	0	0%	0.509	0.034	*
13_5_129	MW-16D	Part 115	Zinc	mg/l	14	1	7%	0.636	0.010	*
14_2_105	MW-17D	Appendix III	Boron	mg/l	9	0	0%	-0.108	0.703	
14_2_107	MW-17D	Appendix III	Calcium	mg/l	9	0	0%	-0.132	0.644	
14_2_108	MW-17D	Appendix III	Chloride	mg/l	9	0	0%	-0.008	0.976	
14_2_112	MW-17D	Appendix III	Fluoride	mg/l	9	0	0%	0.566	0.047	*
14_2_120	MW-17D	Appendix III	pH, Field	su	11	0	0%	-0.334	0.206	
14_2_124	MW-17D	Appendix III	Sulfate	mg/l	9	0	0%	-0.153	0.591	
14_2_126	MW-17D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	-0.088	0.756	
14_3_101	MW-17D	Appendix IV	Antimony	mg/l	9	7	78%	-0.500	0.157	
14_3_102	MW-17D	Appendix IV	Arsenic	mg/l	9	2	22%	0.293	0.342	
14_3_103	MW-17D	Appendix IV	Barium	mg/l	9	0	0%	0.072	0.801	
14_3_106	MW-17D	Appendix IV	Cadmium	mg/l	9	8	89%	NA	NA	
14_3_110	MW-17D	Appendix IV	Cobalt	mg/l	9	8	89%	NA	NA	
14_3_113	MW-17D	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.566	0.047	*
14_3_116	MW-17D	Appendix IV	Lithium	mg/l	9	0	0%	-0.020	0.944	
14_3_118	MW-17D	Appendix IV	Molybdenum	mg/l	9	1	11%	0.012	0.969	
14_3_121	MW-17D	Appendix IV	Radium-226+228	pci/l	9	2	22%	0.108	0.727	
14_5_114	MW-17D	Part 115	Iron	mg/l	9	0	0%	-0.326	0.251	
14_5_129	MW-17D	Part 115	Zinc	mg/l	9	5	56%	-0.083	0.814	
15_2_105	MW-17E	Appendix III	Boron	mg/l	9	0	0%	0.204	0.473	
15_2_107	MW-17E	Appendix III	Calcium	mg/l	9	0	0%	-0.170	0.550	
15_2_108	MW-17E	Appendix III	Chloride	mg/l	9	0	0%	-0.066	0.816	
15_2_112	MW-17E	Appendix III	Fluoride	mg/l	9	0	0%	0.227	0.424	
15_2_120	MW-17E	Appendix III	pH, Field	su	11	0	0%	0.099	0.707	
15_2_124	MW-17E	Appendix III	Sulfate	mg/l	9	3	33%	-0.053	0.870	
15_2_126	MW-17E	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	-0.128	0.652	
15_3_103	MW-17E	Appendix IV	Barium	mg/l	9	0	0%	-0.143	0.614	
15_3_110	MW-17E	Appendix IV	Cobalt	mg/l	9	8	89%	NA	NA	
15_3_113	MW-17E	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.227	0.424	
15_3_116	MW-17E	Appendix IV	Lithium	mg/l	9	0	0%	0.363	0.202	
15_3_118	MW-17E	Appendix IV	Molybdenum	mg/l	9	7	78%	-0.500	0.157	
15_3_121	MW-17E	Appendix IV	Radium-226+228	pci/l	9	5	56%	0.220	0.534	
15_5_114	MW-17E	Part 115	Iron	mg/l	9	0	0%	0.177	0.532	
15_5_129	MW-17E	Part 115	Zinc	mg/l	9	6	67%	-0.167	0.648	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
16_2_105	MW-18C	Appendix III	Boron	mg/l	10	0	0%	0.049	0.857	
16_2_107	MW-18C	Appendix III	Calcium	mg/l	10	0	0%	0.161	0.557	
16_2_108	MW-18C	Appendix III	Chloride	mg/l	10	0	0%	0.171	0.533	
16_2_112	MW-18C	Appendix III	Fluoride	mg/l	10	2	20%	0.040	0.892	
16_2_120	MW-18C	Appendix III	pH, Field	su	12	0	0%	-0.134	0.600	
16_2_124	MW-18C	Appendix III	Sulfate	mg/l	10	0	0%	0.041	0.881	
16_2_126	MW-18C	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	-0.018	0.949	
16_3_101	MW-18C	Appendix IV	Antimony	mg/l	10	9	90%	NA	NA	
16_3_102	MW-18C	Appendix IV	Arsenic	mg/l	10	6	60%	0.123	0.728	
16_3_103	MW-18C	Appendix IV	Barium	mg/l	10	0	0%	0.135	0.621	
16_3_106	MW-18C	Appendix IV	Cadmium	mg/l	10	9	90%	NA	NA	
16_3_110	MW-18C	Appendix IV	Cobalt	mg/l	10	5	50%	-0.071	0.833	
16_3_113	MW-18C	Appendix IV	Fluoride (App IV)	mg/l	10	2	20%	0.040	0.892	
16_3_116	MW-18C	Appendix IV	Lithium	mg/l	10	0	0%	-0.323	0.239	
16_3_118	MW-18C	Appendix IV	Molybdenum	mg/l	10	0	0%	-0.179	0.514	
16_3_121	MW-18C	Appendix IV	Radium-226+228	pci/l	10	0	0%	0.566	0.039	*
16_3_122	MW-18C	Appendix IV	Selenium	mg/l	10	9	90%	NA	NA	
16_5_114	MW-18C	Part 115	Iron	mg/l	10	0	0%	0.343	0.210	
16_5_119	MW-18C	Part 115	Nickel	mg/l	10	1	10%	0.073	0.797	
16_5_129	MW-18C	Part 115	Zinc	mg/l	10	7	70%	-0.059	0.872	
17_2_105	MW-18D	Appendix III	Boron	mg/l	10	0	0%	0.152	0.578	
17_2_107	MW-18D	Appendix III	Calcium	mg/l	10	0	0%	0.249	0.364	
17_2_108	MW-18D	Appendix III	Chloride	mg/l	10	0	0%	0.417	0.128	
17_2_112	MW-18D	Appendix III	Fluoride	mg/l	10	1	10%	0.563	0.048	*
17_2_120	MW-18D	Appendix III	pH, Field	su	12	0	0%	-0.175	0.495	
17_2_124	MW-18D	Appendix III	Sulfate	mg/l	10	0	0%	0.270	0.324	
17_2_126	MW-18D	Appendix III	Total Dissolved Solids	mg/l	10	1	10%	0.325	0.253	
17_3_103	MW-18D	Appendix IV	Barium	mg/l	10	0	0%	0.525	0.055	
17_3_110	MW-18D	Appendix IV	Cobalt	mg/l	10	6	60%	-0.252	0.475	
17_3_113	MW-18D	Appendix IV	Fluoride (App IV)	mg/l	10	1	10%	0.563	0.048	*
17_3_116	MW-18D	Appendix IV	Lithium	mg/l	10	0	0%	0.548	0.045	*
17_3_117	MW-18D	Appendix IV	Mercury	mg/l	10	9	90%	NA	NA	
17_3_118	MW-18D	Appendix IV	Molybdenum	mg/l	10	0	0%	0.569	0.038	*
17_3_121	MW-18D	Appendix IV	Radium-226+228	pci/l	10	3	30%	0.357	0.248	
17_5_114	MW-18D	Part 115	Iron	mg/l	10	0	0%	0.202	0.460	
17_5_119	MW-18D	Part 115	Nickel	mg/l	10	1	10%	0.312	0.272	
17_5_129	MW-18D	Part 115	Zinc	mg/l	10	7	70%	-0.321	0.380	
18_2_105	MW-19C	Appendix III	Boron	mg/l	9	0	0%	0.399	0.161	
18_2_107	MW-19C	Appendix III	Calcium	mg/l	9	0	0%	-0.070	0.805	
18_2_108	MW-19C	Appendix III	Chloride	mg/l	9	0	0%	0.458	0.107	
18_2_112	MW-19C	Appendix III	Fluoride	mg/l	9	0	0%	0.012	0.966	
18_2_120	MW-19C	Appendix III	pH, Field	su	9	0	0%	0.091	0.750	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
18_2_124	MW-19C	Appendix III	Sulfate	mg/l	9	0	0%	0.281	0.323	
18_2_126	MW-19C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	-0.353	0.215	
18_3_102	MW-19C	Appendix IV	Arsenic	mg/l	9	6	67%	-0.309	0.398	
18_3_103	MW-19C	Appendix IV	Barium	mg/l	9	0	0%	0.468	0.100	
18_3_110	MW-19C	Appendix IV	Cobalt	mg/l	9	7	78%	-0.500	0.157	
18_3_113	MW-19C	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.012	0.966	
18_3_116	MW-19C	Appendix IV	Lithium	mg/l	9	0	0%	-0.167	0.558	
18_3_118	MW-19C	Appendix IV	Molybdenum	mg/l	9	7	78%	-0.500	0.157	
18_3_121	MW-19C	Appendix IV	Radium-226+228	pci/l	9	2	22%	-0.128	0.677	
18_5_114	MW-19C	Part 115	Iron	mg/l	9	0	0%	0.404	0.156	
18_5_129	MW-19C	Part 115	Zinc	mg/l	9	5	56%	-0.771	0.029	*
19_2_105	MW-19D	Appendix III	Boron	mg/l	9	0	0%	-0.009	0.975	
19_2_107	MW-19D	Appendix III	Calcium	mg/l	9	0	0%	-0.049	0.864	
19_2_108	MW-19D	Appendix III	Chloride	mg/l	9	0	0%	0.000	1.000	
19_2_112	MW-19D	Appendix III	Fluoride	mg/l	9	0	0%	-0.037	0.897	
19_2_120	MW-19D	Appendix III	pH, Field	su	9	0	0%	-0.137	0.631	
19_2_124	MW-19D	Appendix III	Sulfate	mg/l	9	0	0%	0.137	0.631	
19_2_126	MW-19D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	-0.024	0.931	
19_3_102	MW-19D	Appendix IV	Arsenic	mg/l	9	8	89%	NA	NA	
19_3_103	MW-19D	Appendix IV	Barium	mg/l	9	0	0%	-0.237	0.405	
19_3_104	MW-19D	Appendix IV	Beryllium	mg/l	9	8	89%	NA	NA	
19_3_109	MW-19D	Appendix IV	Chromium	mg/l	9	8	89%	NA	NA	
19_3_110	MW-19D	Appendix IV	Cobalt	mg/l	9	8	89%	NA	NA	
19_3_113	MW-19D	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	-0.037	0.897	
19_3_115	MW-19D	Appendix IV	Lead	mg/l	9	7	78%	-0.500	0.157	
19_3_116	MW-19D	Appendix IV	Lithium	mg/l	9	0	0%	0.136	0.632	
19_3_118	MW-19D	Appendix IV	Molybdenum	mg/l	9	0	0%	0.336	0.237	
19_3_121	MW-19D	Appendix IV	Radium-226+228	pci/l	9	5	56%	-0.148	0.675	
19_5_111	MW-19D	Part 115	Copper	mg/l	9	8	89%	NA	NA	
19_5_114	MW-19D	Part 115	Iron	mg/l	9	0	0%	0.046	0.870	
19_5_119	MW-19D	Part 115	Nickel	mg/l	9	8	89%	NA	NA	
19_5_128	MW-19D	Part 115	Vanadium	mg/l	9	8	89%	NA	NA	
19_5_129	MW-19D	Part 115	Zinc	mg/l	9	6	67%	-0.016	0.964	
20_2_105	MW-100C	Appendix III	Boron	mg/l	12	0	0%	0.458	0.074	
20_2_107	MW-100C	Appendix III	Calcium	mg/l	12	0	0%	0.457	0.074	
20_2_108	MW-100C	Appendix III	Chloride	mg/l	12	0	0%	0.565	0.027	*
20_2_112	MW-100C	Appendix III	Fluoride	mg/l	12	7	58%	0.292	0.388	
20_2_120	MW-100C	Appendix III	pH, Field	su	12	0	0%	-0.083	0.746	
20_2_124	MW-100C	Appendix III	Sulfate	mg/l	12	0	0%	0.425	0.097	
20_2_126	MW-100C	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	0.400	0.118	
20_3_102	MW-100C	Appendix IV	Arsenic	mg/l	12	10	83%	-0.500	0.157	
20_3_103	MW-100C	Appendix IV	Barium	mg/l	12	0	0%	0.680	0.008	**

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
20_3_113	MW-100C	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	0.292	0.388	
20_3_116	MW-100C	Appendix IV	Lithium	mg/l	12	0	0%	0.483	0.059	
20_3_118	MW-100C	Appendix IV	Molybdenum	mg/l	12	7	58%	0.459	0.175	
20_3_121	MW-100C	Appendix IV	Radium-226+228	pci/l	12	1	8%	-0.110	0.677	
20_5_114	MW-100C	Part 115	Iron	mg/l	12	0	0%	0.076	0.765	
20_5_129	MW-100C	Part 115	Zinc	mg/l	12	9	75%	-0.144	0.692	
21_2_105	MW-100D	Appendix III	Boron	mg/l	12	0	0%	0.524	0.041	*
21_2_107	MW-100D	Appendix III	Calcium	mg/l	12	0	0%	0.294	0.251	
21_2_108	MW-100D	Appendix III	Chloride	mg/l	12	4	33%	-0.031	0.918	
21_2_112	MW-100D	Appendix III	Fluoride	mg/l	12	5	42%	0.218	0.481	
21_2_120	MW-100D	Appendix III	pH, Field	su	12	0	0%	0.476	0.063	
21_2_124	MW-100D	Appendix III	Sulfate	mg/l	12	1	8%	0.336	0.203	
21_2_126	MW-100D	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	0.195	0.445	
21_3_102	MW-100D	Appendix IV	Arsenic	mg/l	12	2	17%	0.229	0.404	
21_3_103	MW-100D	Appendix IV	Barium	mg/l	12	0	0%	0.026	0.920	
21_3_110	MW-100D	Appendix IV	Cobalt	mg/l	12	10	83%	-0.500	0.157	
21_3_113	MW-100D	Appendix IV	Fluoride (App IV)	mg/l	12	5	42%	0.218	0.481	
21_3_116	MW-100D	Appendix IV	Lithium	mg/l	12	0	0%	-0.103	0.686	
21_3_118	MW-100D	Appendix IV	Molybdenum	mg/l	12	1	8%	0.678	0.010	*
21_3_121	MW-100D	Appendix IV	Radium-226+228	pci/l	12	2	17%	-0.025	0.927	
21_5_114	MW-100D	Part 115	Iron	mg/l	12	0	0%	0.076	0.766	
21_5_119	MW-100D	Part 115	Nickel	mg/l	12	11	92%	NA	NA	
21_5_129	MW-100D	Part 115	Zinc	mg/l	12	10	83%	-0.500	0.157	

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 5: Outlier Counts by Date

Date	Count
2023-02-02	5
2023-04-25	1
2023-06-05	2
2024-11-13	16
2025-05-12	11
2025-08-07	2
2025-08-08	1
2026-01-06	1
2026-02-09	1
2026-02-10	4
2026-02-11	1

Table 6: Outliers Identified at the 1% Significance Level, Non-Detects Excluded

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	No. Detects	Date	Dilution	Value
11_3_102	MW-7B	Appendix IV	Arsenic	mg/l	15	12	80%	3	2025-08-08	1	0.00210
12_2_105	MW-16C	Appendix III	Boron	mg/l	14	0	0%	14	2026-02-09	2	0.340
12_2_108	MW-16C	Appendix III	Chloride	mg/l	14	6	43%	8	2023-02-02	1	8.00
12_2_124	MW-16C	Appendix III	Sulfate	mg/l	14	0	0%	14	2023-02-02	1	19.0
12_2_126	MW-16C	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	14	2023-02-02	1	418
12_3_102	MW-16C	Appendix IV	Arsenic	mg/l	14	11	79%	3	2023-02-02	1	0.00200
13_2_124	MW-16D	Appendix III	Sulfate	mg/l	14	1	7%	13	2023-04-25	1	13.0
13_3_116	MW-16D	Appendix IV	Lithium	mg/l	14	0	0%	14	2023-02-02	1	0.0390
14_2_105	MW-17D	Appendix III	Boron	mg/l	9	0	0%	9	2024-11-13	1	1.67
14_2_108	MW-17D	Appendix III	Chloride	mg/l	9	0	0%	9	2024-11-13	1	65.9
14_2_124	MW-17D	Appendix III	Sulfate	mg/l	9	0	0%	9	2024-11-13	1	315
14_2_126	MW-17D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	9	2024-11-13	1	828
14_3_102	MW-17D	Appendix IV	Arsenic	mg/l	9	2	22%	7	2024-11-13	1	0.00400
14_3_103	MW-17D	Appendix IV	Barium	mg/l	9	0	0%	9	2024-11-13	1	0.0720
14_3_116	MW-17D	Appendix IV	Lithium	mg/l	9	0	0%	9	2024-11-13	1	0.0690
14_3_118	MW-17D	Appendix IV	Molybdenum	mg/l	9	1	11%	8	2024-11-13	1	0.105
14_5_114	MW-17D	Part 115	Iron	mg/l	9	0	0%	9	2024-11-13	1	1.98
14_5_129	MW-17D	Part 115	Zinc	mg/l	9	5	56%	4	2026-02-10	5	4.30
15_2_120	MW-17E	Appendix III	pH, Field	su	11	0	0%	11	2026-01-06	NA	7.10
15_2_124	MW-17E	Appendix III	Sulfate	mg/l	9	3	33%	6	2026-02-10	1	170
15_2_126	MW-17E	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	9	2026-02-10	1	540
15_3_103	MW-17E	Appendix IV	Barium	mg/l	9	0	0%	9	2024-11-13	1	0.0420
15_5_114	MW-17E	Part 115	Iron	mg/l	9	0	0%	9	2024-11-13	1	0.260
15_5_129	MW-17E	Part 115	Zinc	mg/l	9	6	67%	3	2026-02-10	1	0.500
17_2_107	MW-18D	Appendix III	Calcium	mg/l	10	0	0%	10	2024-11-13	1	202
17_2_108	MW-18D	Appendix III	Chloride	mg/l	10	0	0%	10	2024-11-13	1	94.1

(Table continues on next page)

Table 6: Outliers Identified at the 1% Significance Level, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	No. Detects	Date	Dilution	Value
17_2_124	MW-18D	Appendix III	Sulfate	mg/l	10	0	0%	10	2024-11-13	1	601
17_2_126	MW-18D	Appendix III	Total Dissolved Solids	mg/l	10	1	10%	9	2024-11-13	1	1260
17_5_114	MW-18D	Part 115	Iron	mg/l	10	0	0%	10	2024-11-13	1	3.73
18_2_124	MW-19C	Appendix III	Sulfate	mg/l	9	0	0%	9	2025-05-12	1	15.0
19_2_105	MW-19D	Appendix III	Boron	mg/l	9	0	0%	9	2025-05-12	1	3.20
19_2_107	MW-19D	Appendix III	Calcium	mg/l	9	0	0%	9	2025-05-12	1	6.40
19_2_108	MW-19D	Appendix III	Chloride	mg/l	9	0	0%	9	2025-05-12	1	7.70
19_2_112	MW-19D	Appendix III	Fluoride	mg/l	9	0	0%	9	2025-05-12	1	1.50
19_2_120	MW-19D	Appendix III	pH, Field	su	9	0	0%	9	2025-05-12	NA	8.61
19_2_124	MW-19D	Appendix III	Sulfate	mg/l	9	0	0%	9	2025-05-12	1	3.10
19_2_126	MW-19D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	9	2025-05-12	1	510
19_3_103	MW-19D	Appendix IV	Barium	mg/l	9	0	0%	9	2025-05-12	1	0.0340
19_3_113	MW-19D	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	9	2025-05-12	1	1.50
19_3_116	MW-19D	Appendix IV	Lithium	mg/l	9	0	0%	9	2026-02-11	1	0.0130
19_5_114	MW-19D	Part 115	Iron	mg/l	9	0	0%	9	2025-05-12	1	3.70
21_2_107	MW-100D	Appendix III	Calcium	mg/l	12	0	0%	12	2025-08-07	1	68.0
21_2_126	MW-100D	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	12	2025-08-07	1	650
21_3_116	MW-100D	Appendix IV	Lithium	mg/l	12	0	0%	12	2023-06-05	1	0.0310
21_3_121	MW-100D	Appendix IV	Radium-226+228	pci/l	12	2	17%	10	2023-06-05	1	5.06

Table 7: Seasonality Tests

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
11_2_105	MW-7B	Appendix III	Boron	mg/l	0%	4	3	5	3	15	0.281	0.208	0.198	4	3	5	3	15	0.281	0.208	0.198
11_2_107	MW-7B	Appendix III	Calcium	mg/l	0%	4	3	5	3	15	0.286	0.275	0.288	4	3	5	3	15	0.286	0.275	0.288
11_2_108	MW-7B	Appendix III	Chloride	mg/l	67%	4	3	5	3	15	0.126	0.103	0.117	3	0	2	0	5	0.767	0.765	0.753
11_2_112	MW-7B	Appendix III	Fluoride	mg/l	67%	4	3	5	3	15	0.116	0.187	0.249	3	0	2	0	5	0.564	0.702	0.645
11_2_120	MW-7B	Appendix III	pH, Field	su	0%	4	3	5	3	15	0.012 *	0.000 ***	0.000 ***	4	3	5	3	15	0.012 *	0.000 ***	0.000 ***
11_2_124	MW-7B	Appendix III	Sulfate	mg/l	67%	4	3	5	3	15	0.159	0.157	0.242	3	0	2	0	5	0.564	0.547	0.719
11_2_126	MW-7B	Appendix III	Total Dissolved Solids	mg/l	0%	4	3	5	3	15	0.586	0.633	0.625	4	3	5	3	15	0.586	0.633	0.625
11_3_101	MW-7B	Appendix IV	Antimony	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
11_3_102	MW-7B	Appendix IV	Arsenic	mg/l	80%	4	3	5	3	15	0.621	0.536	0.313	1	1	1	0	3	0.368	NA	NA
11_3_103	MW-7B	Appendix IV	Barium	mg/l	0%	4	3	5	3	15	0.039 *	0.007 **	0.009 **	4	3	5	3	15	0.039 *	0.007 **	0.009 **
11_3_104	MW-7B	Appendix IV	Beryllium	mg/l	93%	4	3	5	3	15	0.321	0.348	0.348	0	0	1	0	1	NA	NA	NA
11_3_106	MW-7B	Appendix IV	Cadmium	mg/l	93%	4	3	5	3	15	0.265	0.286	0.225	0	0	1	0	1	NA	NA	NA
11_3_109	MW-7B	Appendix IV	Chromium	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
11_3_110	MW-7B	Appendix IV	Cobalt	mg/l	93%	4	3	5	3	15	0.265	0.347	0.334	0	0	1	0	1	NA	NA	NA
11_3_113	MW-7B	Appendix IV	Fluoride (App IV)	mg/l	67%	4	3	5	3	15	0.116	0.187	0.249	3	0	2	0	5	0.564	0.702	0.645
11_3_115	MW-7B	Appendix IV	Lead	mg/l	93%	4	3	5	3	15	0.415	0.611	0.439	0	0	1	0	1	NA	NA	NA
11_3_116	MW-7B	Appendix IV	Lithium	mg/l	0%	4	3	5	3	15	0.876	0.840	0.802	4	3	5	3	15	0.876	0.840	0.802
11_3_117	MW-7B	Appendix IV	Mercury	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
11_3_118	MW-7B	Appendix IV	Molybdenum	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
11_3_121	MW-7B	Appendix IV	Radium-226+228	pci/l	7%	4	3	5	3	15	0.953	0.971	0.967	4	3	4	3	14	0.981	0.976	0.984
11_3_122	MW-7B	Appendix IV	Selenium	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
11_3_125	MW-7B	Appendix IV	Thallium	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
11_5_111	MW-7B	Part 115	Copper	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
11_5_114	MW-7B	Part 115	Iron	mg/l	0%	4	3	5	3	15	0.106	0.112	0.063	4	3	5	3	15	0.106	0.112	0.063
11_5_119	MW-7B	Part 115	Nickel	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
11_5_123	MW-7B	Part 115	Silver	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
11_5_128	MW-7B	Part 115	Vanadium	mg/l	100%	4	3	5	3	15	0.321	0.348	0.348	NA	NA	NA	NA	NA	NA	NA	NA
11_5_129	MW-7B	Part 115	Zinc	mg/l	93%	4	3	5	3	15	0.356	0.355	0.367	1	0	0	0	1	NA	NA	NA
12_2_105	MW-16C	Appendix III	Boron	mg/l	0%	4	3	4	3	14	0.508	0.527	0.524	4	3	4	3	14	0.508	0.527	0.524
12_2_107	MW-16C	Appendix III	Calcium	mg/l	0%	4	3	4	3	14	0.046 *	0.037 *	0.040 *	4	3	4	3	14	0.046 *	0.037 *	0.040 *
12_2_108	MW-16C	Appendix III	Chloride	mg/l	43%	4	3	4	3	14	0.368	0.512	0.319	4	0	3	1	8	0.947	0.792	0.895
12_2_112	MW-16C	Appendix III	Fluoride	mg/l	57%	4	3	4	3	14	0.316	0.312	0.453	3	0	2	1	6	0.447	0.473	0.437
12_2_120	MW-16C	Appendix III	pH, Field	su	0%	4	3	4	3	14	0.295	0.263	0.264	4	3	4	3	14	0.295	0.263	0.264
12_2_124	MW-16C	Appendix III	Sulfate	mg/l	0%	4	3	4	3	14	0.188	0.291	0.233	4	3	4	3	14	0.188	0.291	0.233
12_2_126	MW-16C	Appendix III	Total Dissolved Solids	mg/l	0%	4	3	4	3	14	0.160	0.555	0.526	4	3	4	3	14	0.160	0.555	0.526
12_3_101	MW-16C	Appendix IV	Antimony	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
12_3_102	MW-16C	Appendix IV	Arsenic	mg/l	79%	4	3	4	3	14	0.560	0.596	0.507	2	1	0	0	3	0.480	0.667	0.667
12_3_103	MW-16C	Appendix IV	Barium	mg/l	0%	4	3	4	3	14	0.156	0.037 *	0.044 *	4	3	4	3	14	0.156	0.037 *	0.044 *
12_3_104	MW-16C	Appendix IV	Beryllium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
12_3_106	MW-16C	Appendix IV	Cadmium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
12_3_109	MW-16C	Appendix IV	Chromium	mg/l	93%	4	3	4	3	14	0.459	0.568	0.466	0	0	1	0	1	NA	NA	NA
12_3_110	MW-16C	Appendix IV	Cobalt	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
12_3_113	MW-16C	Appendix IV	Fluoride (App IV)	mg/l	57%	4	3	4	3	14	0.316	0.312	0.453	3	0	2	1	6	0.447	0.473	0.437
12_3_115	MW-16C	Appendix IV	Lead	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
12_3_116	MW-16C	Appendix IV	Lithium	mg/l	0%	4	3	4	3	14	0.495	0.516	0.530	4	3	4	3	14	0.495	0.516	0.530
12_3_117	MW-16C	Appendix IV	Mercury	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
12_3_118	MW-16C	Appendix IV	Molybdenum	mg/l	79%	4	3	4	3	14	0.505	0.411	0.402	1	1	1	0	3	0.368	NA	NA
12_3_121	MW-16C	Appendix IV	Radium-226+228	pci/l	21%	4	3	4	3	14	0.752	0.930	0.717	2	3	3	3	11	0.849	0.970	0.711
12_3_122	MW-16C	Appendix IV	Selenium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
12_3_125	MW-16C	Appendix IV	Thallium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
12_5_111	MW-16C	Part 115	Copper	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
12_5_114	MW-16C	Part 115	Iron	mg/l	0%	4	3	4	3	14	0.159	0.089	0.092	4	3	4	3	14	0.159	0.089	0.092
12_5_119	MW-16C	Part 115	Nickel	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
12_5_123	MW-16C	Part 115	Silver	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
12_5_128	MW-16C	Part 115	Vanadium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
12_5_129	MW-16C	Part 115	Zinc	mg/l	93%	4	3	4	3	14	0.290	0.339	0.299	0	0	1	0	1	NA	NA	NA
13_2_105	MW-16D	Appendix III	Boron	mg/l	0%	4	3	4	3	14	0.593	0.645	0.628	4	3	4	3	14	0.593	0.645	0.628
13_2_107	MW-16D	Appendix III	Calcium	mg/l	0%	4	3	4	3	14	0.114	0.235	0.244	4	3	4	3	14	0.114	0.235	0.244
13_2_108	MW-16D	Appendix III	Chloride	mg/l	0%	4	3	4	3	14	0.345	0.273	0.275	4	3	4	3	14	0.345	0.273	0.275
13_2_112	MW-16D	Appendix III	Fluoride	mg/l	57%	4	3	4	3	14	0.324	0.432	0.532	3	0	2	1	6	0.294	0.526	0.467
13_2_120	MW-16D	Appendix III	pH, Field	su	0%	4	3	4	3	14	0.265	0.269	0.268	4	3	4	3	14	0.265	0.269	0.268
13_2_124	MW-16D	Appendix III	Sulfate	mg/l	7%	4	3	4	3	14	0.049 *	0.012 *	0.013 *	3	3	4	3	13	0.054	0.021 *	0.020 *
13_2_126	MW-16D	Appendix III	Total Dissolved Solids	mg/l	0%	4	3	4	3	14	0.558	0.512	0.519	4	3	4	3	14	0.558	0.512	0.519
13_3_101	MW-16D	Appendix IV	Antimony	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
13_3_102	MW-16D	Appendix IV	Arsenic	mg/l	21%	4	3	4	3	14	0.776	0.837	0.773	3	2	4	2	11	0.588	0.743	0.658
13_3_103	MW-16D	Appendix IV	Barium	mg/l	0%	4	3	4	3	14	0.127	0.205	0.227	4	3	4	3	14	0.127	0.205	0.227
13_3_104	MW-16D	Appendix IV	Beryllium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
13_3_106	MW-16D	Appendix IV	Cadmium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
13_3_109	MW-16D	Appendix IV	Chromium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
13_3_110	MW-16D	Appendix IV	Cobalt	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
13_3_113	MW-16D	Appendix IV	Fluoride (App IV)	mg/l	57%	4	3	4	3	14	0.324	0.432	0.532	3	0	2	1	6	0.294	0.526	0.467
13_3_115	MW-16D	Appendix IV	Lead	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
13_3_116	MW-16D	Appendix IV	Lithium	mg/l	0%	4	3	4	3	14	0.728	0.367	0.310	4	3	4	3	14	0.728	0.367	0.310
13_3_117	MW-16D	Appendix IV	Mercury	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
13_3_118	MW-16D	Appendix IV	Molybdenum	mg/l	0%	4	3	4	3	14	0.126	0.171	0.219	4	3	4	3	14	0.126	0.171	0.219
13_3_121	MW-16D	Appendix IV	Radium-226+228	pci/l	14%	4	3	4	3	14	0.623	0.725	0.669	2	3	4	3	12	0.912	0.932	0.908
13_3_122	MW-16D	Appendix IV	Selenium	mg/l	93%	4	3	4	3	14	0.217	0.312	0.345	0	0	0	1	1	NA	NA	NA
13_3_125	MW-16D	Appendix IV	Thallium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
13_5_111	MW-16D	Part 115	Copper	mg/l	93%	4	3	4	3	14	0.810	0.958	0.765	1	0	0	0	1	NA	NA	NA
13_5_114	MW-16D	Part 115	Iron	mg/l	0%	4	3	4	3	14	0.405	0.291	0.110	4	3	4	3	14	0.405	0.291	0.110
13_5_119	MW-16D	Part 115	Nickel	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
13_5_123	MW-16D	Part 115	Silver	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
13_5_128	MW-16D	Part 115	Vanadium	mg/l	100%	4	3	4	3	14	0.341	0.374	0.374	NA	NA	NA	NA	NA	NA	NA	NA
13_5_129	MW-16D	Part 115	Zinc	mg/l	7%	4	3	4	3	14	0.098	0.031 *	0.081	4	3	3	3	13	0.119	0.050 *	0.119
14_2_105	MW-17D	Appendix III	Boron	mg/l	0%	4	0	2	3	9	0.237	0.270	0.284	4	0	2	3	9	0.237	0.270	0.284
14_2_107	MW-17D	Appendix III	Calcium	mg/l	0%	4	0	2	3	9	0.731	0.578	0.608	4	0	2	3	9	0.731	0.578	0.608
14_2_108	MW-17D	Appendix III	Chloride	mg/l	0%	4	0	2	3	9	0.333	0.409	0.375	4	0	2	3	9	0.333	0.409	0.375
14_2_112	MW-17D	Appendix III	Fluoride	mg/l	0%	4	0	2	3	9	0.094	0.211	0.217	4	0	2	3	9	0.094	0.211	0.217
14_2_120	MW-17D	Appendix III	pH, Field	su	0%	5	0	2	4	11	0.500	0.939	0.941	5	0	2	4	11	0.500	0.939	0.941
14_2_124	MW-17D	Appendix III	Sulfate	mg/l	0%	4	0	2	3	9	0.212	0.488	0.403	4	0	2	3	9	0.212	0.488	0.403
14_2_126	MW-17D	Appendix III	Total Dissolved Solids	mg/l	0%	4	0	2	3	9	0.276	0.427	0.427	4	0	2	3	9	0.276	0.427	0.427
14_3_101	MW-17D	Appendix IV	Antimony	mg/l	78%	4	0	2	3	9	0.274	0.355	0.354	2	0	0	0	2	NA	NA	NA
14_3_102	MW-17D	Appendix IV	Arsenic	mg/l	22%	4	0	2	3	9	0.316	0.325	0.283	4	0	1	2	7	0.875	0.569	0.703
14_3_103	MW-17D	Appendix IV	Barium	mg/l	0%	4	0	2	3	9	0.178	0.533	0.529	4	0	2	3	9	0.178	0.533	0.529
14_3_104	MW-17D	Appendix IV	Beryllium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
14_3_106	MW-17D	Appendix IV	Cadmium	mg/l	89%	4	0	2	3	9	0.302	0.377	0.297	1	0	0	0	1	NA	NA	NA
14_3_109	MW-17D	Appendix IV	Chromium	mg/l	100%	4	0	2	3	9	0.268	0.376	0.280	NA	NA	NA	NA	NA	NA	NA	NA
14_3_110	MW-17D	Appendix IV	Cobalt	mg/l	89%	4	0	2	3	9	0.329	0.355	0.359	1	0	0	0	1	NA	NA	NA
14_3_113	MW-17D	Appendix IV	Fluoride (App IV)	mg/l	0%	4	0	2	3	9	0.094	0.211	0.217	4	0	2	3	9	0.094	0.211	0.217
14_3_115	MW-17D	Appendix IV	Lead	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
14_3_116	MW-17D	Appendix IV	Lithium	mg/l	0%	4	0	2	3	9	0.107	0.361	0.333	4	0	2	3	9	0.107	0.361	0.333
14_3_117	MW-17D	Appendix IV	Mercury	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
14_3_118	MW-17D	Appendix IV	Molybdenum	mg/l	11%	4	0	2	3	9	0.118	0.433	0.395	4	0	2	2	8	0.135	0.261	0.296
14_3_121	MW-17D	Appendix IV	Radium-226+228	pci/l	22%	4	0	2	3	9	0.667	0.592	0.424	3	0	1	3	7	1.000	0.873	0.890
14_3_122	MW-17D	Appendix IV	Selenium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
14_3_125	MW-17D	Appendix IV	Thallium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
14_5_111	MW-17D	Part 115	Copper	mg/l	100%	4	0	2	3	9	0.268	0.381	0.288	NA	NA	NA	NA	NA	NA	NA	NA
14_5_114	MW-17D	Part 115	Iron	mg/l	0%	4	0	2	3	9	0.729	0.774	0.991	4	0	2	3	9	0.729	0.774	0.991
14_5_119	MW-17D	Part 115	Nickel	mg/l	100%	4	0	2	3	9	0.268	0.379	0.284	NA	NA	NA	NA	NA	NA	NA	NA
14_5_123	MW-17D	Part 115	Silver	mg/l	100%	4	0	2	3	9	0.268	0.369	0.276	NA	NA	NA	NA	NA	NA	NA	NA
14_5_128	MW-17D	Part 115	Vanadium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
14_5_129	MW-17D	Part 115	Zinc	mg/l	56%	4	0	2	3	9	0.435	0.599	0.511	2	0	2	0	4	1.000	0.423	0.519
15_2_105	MW-17E	Appendix III	Boron	mg/l	0%	4	0	2	3	9	0.161	0.316	0.342	4	0	2	3	9	0.161	0.316	0.342
15_2_107	MW-17E	Appendix III	Calcium	mg/l	0%	4	0	2	3	9	0.828	0.716	0.723	4	0	2	3	9	0.828	0.716	0.723
15_2_108	MW-17E	Appendix III	Chloride	mg/l	0%	4	0	2	3	9	0.331	0.699	0.576	4	0	2	3	9	0.331	0.699	0.576
15_2_112	MW-17E	Appendix III	Fluoride	mg/l	0%	4	0	2	3	9	0.340	0.357	0.386	4	0	2	3	9	0.340	0.357	0.386
15_2_120	MW-17E	Appendix III	pH, Field	su	0%	5	0	2	4	11	0.776	0.735	0.725	5	0	2	4	11	0.776	0.735	0.725

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
15_2_124	MW-17E	Appendix III	Sulfate	mg/l	33%	4	0	2	3	9	0.460	0.619	0.593	3	0	1	2	6	0.501	0.734	0.713
15_2_126	MW-17E	Appendix III	Total Dissolved Solids	mg/l	0%	4	0	2	3	9	0.261	0.421	0.391	4	0	2	3	9	0.261	0.421	0.391
15_3_101	MW-17E	Appendix IV	Antimony	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
15_3_102	MW-17E	Appendix IV	Arsenic	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
15_3_103	MW-17E	Appendix IV	Barium	mg/l	0%	4	0	2	3	9	0.287	0.537	0.623	4	0	2	3	9	0.287	0.537	0.623
15_3_104	MW-17E	Appendix IV	Beryllium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
15_3_106	MW-17E	Appendix IV	Cadmium	mg/l	100%	4	0	2	3	9	0.268	0.372	0.276	NA	NA	NA	NA	NA	NA	NA	NA
15_3_109	MW-17E	Appendix IV	Chromium	mg/l	100%	4	0	2	3	9	0.268	0.376	0.280	NA	NA	NA	NA	NA	NA	NA	NA
15_3_110	MW-17E	Appendix IV	Cobalt	mg/l	89%	4	0	2	3	9	0.329	0.355	0.356	1	0	0	0	1	NA	NA	NA
15_3_113	MW-17E	Appendix IV	Fluoride (App IV)	mg/l	0%	4	0	2	3	9	0.340	0.357	0.386	4	0	2	3	9	0.340	0.357	0.386
15_3_115	MW-17E	Appendix IV	Lead	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
15_3_116	MW-17E	Appendix IV	Lithium	mg/l	0%	4	0	2	3	9	0.478	0.366	0.383	4	0	2	3	9	0.478	0.366	0.383
15_3_117	MW-17E	Appendix IV	Mercury	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
15_3_118	MW-17E	Appendix IV	Molybdenum	mg/l	78%	4	0	2	3	9	0.375	0.447	0.422	1	0	0	1	2	0.317	NA	NA
15_3_121	MW-17E	Appendix IV	Radium-226+228	pci/l	56%	4	0	2	3	9	0.170	0.151	0.122	1	0	0	3	4	0.655	0.552	0.589
15_3_122	MW-17E	Appendix IV	Selenium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
15_3_125	MW-17E	Appendix IV	Thallium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
15_5_111	MW-17E	Part 115	Copper	mg/l	100%	4	0	2	3	9	0.268	0.381	0.288	NA	NA	NA	NA	NA	NA	NA	NA
15_5_114	MW-17E	Part 115	Iron	mg/l	0%	4	0	2	3	9	0.330	0.392	0.342	4	0	2	3	9	0.330	0.392	0.342
15_5_119	MW-17E	Part 115	Nickel	mg/l	100%	4	0	2	3	9	0.268	0.379	0.284	NA	NA	NA	NA	NA	NA	NA	NA
15_5_123	MW-17E	Part 115	Silver	mg/l	100%	4	0	2	3	9	0.268	0.369	0.276	NA	NA	NA	NA	NA	NA	NA	NA
15_5_128	MW-17E	Part 115	Vanadium	mg/l	100%	4	0	2	3	9	0.311	0.355	0.355	NA	NA	NA	NA	NA	NA	NA	NA
15_5_129	MW-17E	Part 115	Zinc	mg/l	67%	4	0	2	3	9	0.188	0.580	0.309	2	0	1	0	3	0.480	0.667	0.667
16_2_105	MW-18C	Appendix III	Boron	mg/l	0%	4	2	2	2	10	0.200	0.211	0.217	4	2	2	2	10	0.200	0.211	0.217
16_2_107	MW-18C	Appendix III	Calcium	mg/l	0%	4	2	2	2	10	0.121	0.071	0.081	4	2	2	2	10	0.121	0.071	0.081
16_2_108	MW-18C	Appendix III	Chloride	mg/l	0%	4	2	2	2	10	0.047 *	0.019 *	0.066	4	2	2	2	10	0.047 *	0.019 *	0.066
16_2_112	MW-18C	Appendix III	Fluoride	mg/l	20%	4	2	2	2	10	0.609	0.867	0.861	3	2	2	1	8	0.145	0.034 *	0.022 *
16_2_120	MW-18C	Appendix III	pH, Field	su	0%	5	2	2	3	12	0.762	0.831	0.831	5	2	2	3	12	0.762	0.831	0.831
16_2_124	MW-18C	Appendix III	Sulfate	mg/l	0%	4	2	2	2	10	0.072	0.029 *	0.081	4	2	2	2	10	0.072	0.029 *	0.081
16_2_126	MW-18C	Appendix III	Total Dissolved Solids	mg/l	0%	4	2	2	2	10	0.076	0.059	0.071	4	2	2	2	10	0.076	0.059	0.071
16_3_101	MW-18C	Appendix IV	Antimony	mg/l	90%	4	2	2	2	10	0.180	0.087	0.091	0	1	0	0	1	NA	NA	NA
16_3_102	MW-18C	Appendix IV	Arsenic	mg/l	60%	4	2	2	2	10	0.186	0.123	0.144	2	0	1	1	4	0.632	0.807	0.828
16_3_103	MW-18C	Appendix IV	Barium	mg/l	0%	4	2	2	2	10	0.070	0.021 *	0.031 *	4	2	2	2	10	0.070	0.021 *	0.031 *
16_3_104	MW-18C	Appendix IV	Beryllium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
16_3_106	MW-18C	Appendix IV	Cadmium	mg/l	90%	4	2	2	2	10	0.146	0.196	0.050	0	1	0	0	1	NA	NA	NA
16_3_109	MW-18C	Appendix IV	Chromium	mg/l	100%	4	2	2	2	10	0.099	0.203	0.055	NA	NA	NA	NA	NA	NA	NA	NA
16_3_110	MW-18C	Appendix IV	Cobalt	mg/l	50%	4	2	2	2	10	0.208	0.087	0.107	1	2	2	0	5	0.191	0.357	0.390
16_3_113	MW-18C	Appendix IV	Fluoride (App IV)	mg/l	20%	4	2	2	2	10	0.609	0.867	0.861	3	2	2	1	8	0.145	0.034 *	0.022 *
16_3_115	MW-18C	Appendix IV	Lead	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
16_3_116	MW-18C	Appendix IV	Lithium	mg/l	0%	4	2	2	2	10	0.411	0.376	0.319	4	2	2	2	10	0.411	0.376	0.319
16_3_117	MW-18C	Appendix IV	Mercury	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
16_3_118	MW-18C	Appendix IV	Molybdenum	mg/l	0%	4	2	2	2	10	0.165	0.129	0.159	4	2	2	2	10	0.165	0.129	0.159
16_3_121	MW-18C	Appendix IV	Radium-226+228	pci/l	0%	4	2	2	2	10	0.165	0.022 *	0.051	4	2	2	2	10	0.165	0.022 *	0.051
16_3_122	MW-18C	Appendix IV	Selenium	mg/l	90%	4	2	2	2	10	0.180	0.100	0.120	0	1	0	0	1	NA	NA	NA
16_3_125	MW-18C	Appendix IV	Thallium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
16_5_111	MW-18C	Part 115	Copper	mg/l	100%	4	2	2	2	10	0.099	0.212	0.068	NA	NA	NA	NA	NA	NA	NA	NA
16_5_114	MW-18C	Part 115	Iron	mg/l	0%	4	2	2	2	10	0.057	0.047 *	0.081	4	2	2	2	10	0.057	0.047 *	0.081
16_5_119	MW-18C	Part 115	Nickel	mg/l	10%	4	2	2	2	10	0.084	0.245	0.125	4	2	2	1	9	0.079	0.036 *	0.094
16_5_123	MW-18C	Part 115	Silver	mg/l	100%	4	2	2	2	10	0.099	0.192	0.045 *	NA	NA	NA	NA	NA	NA	NA	NA
16_5_128	MW-18C	Part 115	Vanadium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
16_5_129	MW-18C	Part 115	Zinc	mg/l	70%	4	2	2	2	10	0.225	0.635	0.391	1	0	2	0	3	0.221	0.525	0.475
17_2_105	MW-18D	Appendix III	Boron	mg/l	0%	4	2	2	2	10	0.479	0.530	0.505	4	2	2	2	10	0.479	0.530	0.505
17_2_107	MW-18D	Appendix III	Calcium	mg/l	0%	4	2	2	2	10	0.059	0.114	0.053	4	2	2	2	10	0.059	0.114	0.053
17_2_108	MW-18D	Appendix III	Chloride	mg/l	0%	4	2	2	2	10	0.047 *	0.039 *	0.018 *	4	2	2	2	10	0.047 *	0.039 *	0.018 *
17_2_112	MW-18D	Appendix III	Fluoride	mg/l	10%	4	2	2	2	10	0.060	0.011 *	0.008 **	4	2	2	1	9	0.107	0.056	0.055
17_2_120	MW-18D	Appendix III	pH, Field	su	0%	5	2	2	3	12	0.327	0.243	0.244	5	2	2	3	12	0.327	0.243	0.244
17_2_124	MW-18D	Appendix III	Sulfate	mg/l	0%	4	2	2	2	10	0.043 *	0.070	0.023 *	4	2	2	2	10	0.043 *	0.070	0.023 *
17_2_126	MW-18D	Appendix III	Total Dissolved Solids	mg/l	10%	4	2	2	2	10	0.040 *	0.038 *	0.087	4	2	1	2	9	0.066	0.094	0.047 *
17_3_101	MW-18D	Appendix IV	Antimony	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
17_3_102	MW-18D	Appendix IV	Arsenic	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
17_3_103	MW-18D	Appendix IV	Barium	mg/l	0%	4	2	2	2	10	0.049 *	0.012 *	0.008 **	4	2	2	2	10	0.049 *	0.012 *	0.008 **
17_3_104	MW-18D	Appendix IV	Beryllium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
17_3_106	MW-18D	Appendix IV	Cadmium	mg/l	100%	4	2	2	2	10	0.099	0.196	0.047 *	NA	NA	NA	NA	NA	NA	NA	NA
17_3_109	MW-18D	Appendix IV	Chromium	mg/l	100%	4	2	2	2	10	0.099	0.203	0.055	NA	NA	NA	NA	NA	NA	NA	NA
17_3_110	MW-18D	Appendix IV	Cobalt	mg/l	60%	4	2	2	2	10	0.153	0.079	0.066	2	1	1	0	4	0.259	0.720	0.616
17_3_113	MW-18D	Appendix IV	Fluoride (App IV)	mg/l	10%	4	2	2	2	10	0.060	0.011 *	0.008 **	4	2	2	1	9	0.107	0.056	0.055
17_3_115	MW-18D	Appendix IV	Lead	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
17_3_116	MW-18D	Appendix IV	Lithium	mg/l	0%	4	2	2	2	10	0.074	0.042 *	0.039 *	4	2	2	2	10	0.074	0.042 *	0.039 *
17_3_117	MW-18D	Appendix IV	Mercury	mg/l	90%	4	2	2	2	10	0.123	0.085	0.085	1	0	0	0	1	NA	NA	NA
17_3_118	MW-18D	Appendix IV	Molybdenum	mg/l	0%	4	2	2	2	10	0.060	0.033 *	0.031 *	4	2	2	2	10	0.060	0.033 *	0.031 *
17_3_121	MW-18D	Appendix IV	Radium-226+228	pci/l	30%	4	2	2	2	10	0.217	0.259	0.176	3	1	1	2	7	0.277	0.617	0.480
17_3_122	MW-18D	Appendix IV	Selenium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
17_3_125	MW-18D	Appendix IV	Thallium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA
17_5_111	MW-18D	Part 115	Copper	mg/l	100%	4	2	2	2	10	0.099	0.212	0.068	NA	NA	NA	NA	NA	NA	NA	NA
17_5_114	MW-18D	Part 115	Iron	mg/l	0%	4	2	2	2	10	0.085	0.245	0.161	4	2	2	2	10	0.085	0.245	0.161
17_5_119	MW-18D	Part 115	Nickel	mg/l	10%	4	2	2	2	10	0.048 *	0.235	0.094	4	2	2	1	9	0.079	0.048 *	0.057
17_5_123	MW-18D	Part 115	Silver	mg/l	100%	4	2	2	2	10	0.099	0.192	0.045 *	NA	NA	NA	NA	NA	NA	NA	NA
17_5_128	MW-18D	Part 115	Vanadium	mg/l	100%	4	2	2	2	10	0.123	0.085	0.085	NA	NA	NA	NA	NA	NA	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full									Without Non-Detects								
						Sample Size					p-Value				Sample Size					p-Value			
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA		Log ANOVA		Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA		Log ANOVA	
17_5_129	MW-18D	Part 115	Zinc	mg/l	70%	4	2	2	2	10	0.207	0.621		0.332		1	0	2	0	3	1.000	0.821		0.871	
18_2_105	MW-19C	Appendix III	Boron	mg/l	0%	3	1	3	2	9	0.127	0.016	*	0.005	**	3	1	3	2	9	0.127	0.016	*	0.005	**
18_2_107	MW-19C	Appendix III	Calcium	mg/l	0%	3	1	3	2	9	0.445	0.076		0.092		3	1	3	2	9	0.445	0.076		0.092	
18_2_108	MW-19C	Appendix III	Chloride	mg/l	0%	3	1	3	2	9	0.109	0.020	*	0.018	*	3	1	3	2	9	0.109	0.020	*	0.018	*
18_2_112	MW-19C	Appendix III	Fluoride	mg/l	0%	3	1	3	2	9	0.227	0.158		0.164		3	1	3	2	9	0.227	0.158		0.164	
18_2_120	MW-19C	Appendix III	pH, Field	su	0%	3	1	3	2	9	0.823	0.943		0.942		3	1	3	2	9	0.823	0.943		0.942	
18_2_124	MW-19C	Appendix III	Sulfate	mg/l	0%	3	1	3	2	9	0.142	0.002	**	0.031	*	3	1	3	2	9	0.142	0.002	**	0.031	*
18_2_126	MW-19C	Appendix III	Total Dissolved Solids	mg/l	0%	3	1	3	2	9	0.486	0.715		0.728		3	1	3	2	9	0.486	0.715		0.728	
18_3_101	MW-19C	Appendix IV	Antimony	mg/l	100%	3	1	3	2	9	NA	0.000	***	0.000	***	NA	NA	NA	NA	NA	NA	NA		NA	
18_3_102	MW-19C	Appendix IV	Arsenic	mg/l	67%	3	1	3	2	9	0.384	0.467		0.477		0	0	2	1	3	0.221	0.143		0.164	
18_3_103	MW-19C	Appendix IV	Barium	mg/l	0%	3	1	3	2	9	0.181	0.029	*	0.040	*	3	1	3	2	9	0.181	0.029	*	0.040	*
18_3_104	MW-19C	Appendix IV	Beryllium	mg/l	100%	3	1	3	2	9	NA	NA		0.000	***	NA	NA	NA	NA	NA	NA	NA		NA	
18_3_106	MW-19C	Appendix IV	Cadmium	mg/l	100%	3	1	3	2	9	NA	0.000	***	NA		NA	NA	NA	NA	NA	NA	NA		NA	
18_3_109	MW-19C	Appendix IV	Chromium	mg/l	100%	3	1	3	2	9	NA	0.000	***	0.000	***	NA	NA	NA	NA	NA	NA	NA		NA	
18_3_110	MW-19C	Appendix IV	Cobalt	mg/l	78%	3	1	3	2	9	0.149	0.000	***	0.000	***	1	1	0	0	2	0.317	NA		NA	
18_3_113	MW-19C	Appendix IV	Fluoride (App IV)	mg/l	0%	3	1	3	2	9	0.227	0.158		0.164		3	1	3	2	9	0.227	0.158		0.164	
18_3_115	MW-19C	Appendix IV	Lead	mg/l	100%	3	1	3	2	9	NA	0.000	***	0.000	***	NA	NA	NA	NA	NA	NA	NA		NA	
18_3_116	MW-19C	Appendix IV	Lithium	mg/l	0%	3	1	3	2	9	0.594	0.667		0.663		3	1	3	2	9	0.594	0.667		0.663	
18_3_117	MW-19C	Appendix IV	Mercury	mg/l	100%	3	1	3	2	9	NA	NA		0.000	***	NA	NA	NA	NA	NA	NA	NA		NA	
18_3_118	MW-19C	Appendix IV	Molybdenum	mg/l	78%	3	1	3	2	9	0.149	0.105		0.124		0	1	1	0	2	0.317	NA		NA	
18_3_121	MW-19C	Appendix IV	Radium-226+228	pci/l	22%	3	1	3	2	9	0.761	0.844		0.825		3	1	2	1	7	0.895	0.906		0.899	
18_3_122	MW-19C	Appendix IV	Selenium	mg/l	100%	3	1	3	2	9	NA	0.000	***	NA		NA	NA	NA	NA	NA	NA	NA		NA	
18_3_125	MW-19C	Appendix IV	Thallium	mg/l	100%	3	1	3	2	9	NA	NA		0.000	***	NA	NA	NA	NA	NA	NA	NA		NA	
18_5_111	MW-19C	Part 115	Copper	mg/l	100%	3	1	3	2	9	NA	0.000	***	0.000	***	NA	NA	NA	NA	NA	NA	NA		NA	
18_5_114	MW-19C	Part 115	Iron	mg/l	0%	3	1	3	2	9	0.314	0.431		0.440		3	1	3	2	9	0.314	0.431		0.440	
18_5_119	MW-19C	Part 115	Nickel	mg/l	100%	3	1	3	2	9	NA	0.000	***	0.000	***	NA	NA	NA	NA	NA	NA	NA		NA	
18_5_123	MW-19C	Part 115	Silver	mg/l	100%	3	1	3	2	9	NA	0.000	***	NA		NA	NA	NA	NA	NA	NA	NA		NA	
18_5_128	MW-19C	Part 115	Vanadium	mg/l	100%	3	1	3	2	9	NA	NA		0.000	***	NA	NA	NA	NA	NA	NA	NA		NA	
18_5_129	MW-19C	Part 115	Zinc	mg/l	56%	3	1	3	2	9	0.645	0.834		0.866		2	1	1	0	4	0.407	0.488		0.612	
19_2_105	MW-19D	Appendix III	Boron	mg/l	0%	3	1	3	2	9	0.358	0.000	***	0.000	***	3	1	3	2	9	0.358	0.000	***	0.000	***
19_2_107	MW-19D	Appendix III	Calcium	mg/l	0%	3	1	3	2	9	0.230	0.000	***	0.000	***	3	1	3	2	9	0.230	0.000	***	0.000	***
19_2_108	MW-19D	Appendix III	Chloride	mg/l	0%	3	1	3	2	9	0.128	0.000	***	0.000	***	3	1	3	2	9	0.128	0.000	***	0.000	***
19_2_112	MW-19D	Appendix III	Fluoride	mg/l	0%	3	1	3	2	9	0.132	0.000	***	0.000	***	3	1	3	2	9	0.132	0.000	***	0.000	***
19_2_120	MW-19D	Appendix III	pH, Field	su	0%	3	1	3	2	9	0.349	0.001	**	0.002	**	3	1	3	2	9	0.349	0.001	**	0.002	**
19_2_124	MW-19D	Appendix III	Sulfate	mg/l	0%	3	1	3	2	9	0.135	0.000	***	0.000	***	3	1	3	2	9	0.135	0.000	***	0.000	***
19_2_126	MW-19D	Appendix III	Total Dissolved Solids	mg/l	0%	3	1	3	2	9	0.102	0.000	***	0.000	***	3	1	3	2	9	0.102	0.000	***	0.000	***
19_3_101	MW-19D	Appendix IV	Antimony	mg/l	100%	3	1	3	2	9	NA	0.000	***	0.000	***	NA	NA	NA	NA	NA	NA	NA		NA	
19_3_102	MW-19D	Appendix IV	Arsenic	mg/l	89%	3	1	3	2	9	0.046	0.000	***	0.000	***	0	1	0	0	1	NA	NA		NA	
19_3_103	MW-19D	Appendix IV	Barium	mg/l	0%	3	1	3	2	9	0.348	0.010	*	0.004	**	3	1	3	2	9	0.348	0.010	*	0.004	**

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full										Without Non-Detects									
						Sample Size					p-Value					Sample Size					p-Value				
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis		ANOVA		Log ANOVA		Winter	Spring	Summer	Fall	Total	Kruskal-Wallis		ANOVA		Log ANOVA	
19_3_104	MW-19D	Appendix IV	Beryllium	mg/l	89%	3	1	3	2	9	0.046	*	0.000	***	0.000	***	0	1	0	0	1	NA		NA		NA	
19_3_106	MW-19D	Appendix IV	Cadmium	mg/l	100%	3	1	3	2	9	NA		0.000	***	NA		NA	NA	NA	NA	NA	NA		NA		NA	
19_3_109	MW-19D	Appendix IV	Chromium	mg/l	89%	3	1	3	2	9	0.046	*	0.000	***	0.000	***	0	1	0	0	1	NA		NA		NA	
19_3_110	MW-19D	Appendix IV	Cobalt	mg/l	89%	3	1	3	2	9	0.046	*	0.000	***	0.000	***	0	1	0	0	1	NA		NA		NA	
19_3_113	MW-19D	Appendix IV	Fluoride (App IV)	mg/l	0%	3	1	3	2	9	0.132		0.000	***	0.000	***	3	1	3	2	9	0.132		0.000	***	0.000	***
19_3_115	MW-19D	Appendix IV	Lead	mg/l	78%	3	1	3	2	9	0.149		0.156		0.184		0	1	1	0	2	0.317		NA		NA	
19_3_116	MW-19D	Appendix IV	Lithium	mg/l	0%	3	1	3	2	9	0.226		0.453		0.499		3	1	3	2	9	0.226		0.453		0.499	
19_3_117	MW-19D	Appendix IV	Mercury	mg/l	100%	3	1	3	2	9	NA		NA		0.000	***	NA	NA	NA	NA	NA	NA		NA		NA	
19_3_118	MW-19D	Appendix IV	Molybdenum	mg/l	0%	3	1	3	2	9	0.319		0.412		0.388		3	1	3	2	9	0.319		0.412		0.388	
19_3_121	MW-19D	Appendix IV	Radium-226+228	pci/l	56%	3	1	3	2	9	0.399		0.080		0.256		2	0	1	1	4	0.259		0.054		0.048	*
19_3_122	MW-19D	Appendix IV	Selenium	mg/l	100%	3	1	3	2	9	NA		0.000	***	NA		NA	NA	NA	NA	NA	NA		NA		NA	
19_3_125	MW-19D	Appendix IV	Thallium	mg/l	100%	3	1	3	2	9	NA		NA		0.000	***	NA	NA	NA	NA	NA	NA		NA		NA	
19_5_111	MW-19D	Part 115	Copper	mg/l	89%	3	1	3	2	9	0.572		0.667		0.667		0	0	1	0	1	NA		NA		NA	
19_5_114	MW-19D	Part 115	Iron	mg/l	0%	3	1	3	2	9	0.143		0.000	***	0.005	**	3	1	3	2	9	0.143		0.000	***	0.005	**
19_5_119	MW-19D	Part 115	Nickel	mg/l	89%	3	1	3	2	9	0.046	*	0.000	***	0.000	***	0	1	0	0	1	NA		NA		NA	
19_5_123	MW-19D	Part 115	Silver	mg/l	100%	3	1	3	2	9	NA		0.000	***	NA		NA	NA	NA	NA	NA	NA		NA		NA	
19_5_128	MW-19D	Part 115	Vanadium	mg/l	89%	3	1	3	2	9	0.046	*	0.000	***	0.000	***	0	1	0	0	1	NA		NA		NA	
19_5_129	MW-19D	Part 115	Zinc	mg/l	67%	3	1	3	2	9	0.230		0.006	**	0.055		0	1	1	1	3	0.368		NA		NA	
20_2_105	MW-100C	Appendix III	Boron	mg/l	0%	4	0	5	3	12	0.908		0.640		0.620		4	0	5	3	12	0.908		0.640		0.620	
20_2_107	MW-100C	Appendix III	Calcium	mg/l	0%	4	0	5	3	12	0.025	*	0.003	**	0.003	**	4	0	5	3	12	0.025	*	0.003	**	0.003	**
20_2_108	MW-100C	Appendix III	Chloride	mg/l	0%	4	0	5	3	12	0.125		0.160		0.148		4	0	5	3	12	0.125		0.160		0.148	
20_2_112	MW-100C	Appendix III	Fluoride	mg/l	58%	4	0	5	3	12	0.994		0.989		0.864		2	0	2	1	5	0.223		0.121		0.060	
20_2_120	MW-100C	Appendix III	pH, Field	su	0%	4	0	5	3	12	0.093		0.183		0.183		4	0	5	3	12	0.093		0.183		0.183	
20_2_124	MW-100C	Appendix III	Sulfate	mg/l	0%	4	0	5	3	12	0.115		0.173		0.136		4	0	5	3	12	0.115		0.173		0.136	
20_2_126	MW-100C	Appendix III	Total Dissolved Solids	mg/l	0%	4	0	5	3	12	0.154		0.554		0.588		4	0	5	3	12	0.154		0.554		0.588	
20_3_101	MW-100C	Appendix IV	Antimony	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
20_3_102	MW-100C	Appendix IV	Arsenic	mg/l	83%	4	0	5	3	12	0.116		0.094		0.096		0	0	1	1	2	0.317		NA		NA	
20_3_103	MW-100C	Appendix IV	Barium	mg/l	0%	4	0	5	3	12	0.128		0.105		0.139		4	0	5	3	12	0.128		0.105		0.139	
20_3_104	MW-100C	Appendix IV	Beryllium	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
20_3_106	MW-100C	Appendix IV	Cadmium	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
20_3_109	MW-100C	Appendix IV	Chromium	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
20_3_110	MW-100C	Appendix IV	Cobalt	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
20_3_113	MW-100C	Appendix IV	Fluoride (App IV)	mg/l	58%	4	0	5	3	12	0.994		0.989		0.864		2	0	2	1	5	0.223		0.121		0.060	
20_3_115	MW-100C	Appendix IV	Lead	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
20_3_116	MW-100C	Appendix IV	Lithium	mg/l	0%	4	0	5	3	12	0.078		0.056		0.060		4	0	5	3	12	0.078		0.056		0.060	
20_3_117	MW-100C	Appendix IV	Mercury	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	
20_3_118	MW-100C	Appendix IV	Molybdenum	mg/l	58%	4	0	5	3	12	0.137		0.202		0.239		1	0	4	0	5	0.147		0.258		0.197	
20_3_121	MW-100C	Appendix IV	Radium-226+228	pci/l	8%	4	0	5	3	12	0.262		0.427		0.364		4	0	4	3	11	0.268		0.424		0.333	
20_3_122	MW-100C	Appendix IV	Selenium	mg/l	100%	4	0	5	3	12	0.333		0.366		0.366		NA	NA	NA	NA	NA	NA		NA		NA	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
20_3_125	MW-100C	Appendix IV	Thallium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
20_5_111	MW-100C	Part 115	Copper	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
20_5_114	MW-100C	Part 115	Iron	mg/l	0%	4	0	5	3	12	0.193	0.609	0.778	4	0	5	3	12	0.193	0.609	0.778
20_5_119	MW-100C	Part 115	Nickel	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
20_5_123	MW-100C	Part 115	Silver	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
20_5_128	MW-100C	Part 115	Vanadium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
20_5_129	MW-100C	Part 115	Zinc	mg/l	75%	4	0	5	3	12	0.184	0.157	0.263	1	0	1	1	3	0.368	NA	NA
21_2_105	MW-100D	Appendix III	Boron	mg/l	0%	4	0	5	3	12	0.309	0.412	0.421	4	0	5	3	12	0.309	0.412	0.421
21_2_107	MW-100D	Appendix III	Calcium	mg/l	0%	4	0	5	3	12	0.134	0.351	0.288	4	0	5	3	12	0.134	0.351	0.288
21_2_108	MW-100D	Appendix III	Chloride	mg/l	33%	4	0	5	3	12	0.301	0.358	0.358	4	0	3	1	8	0.253	0.258	0.288
21_2_112	MW-100D	Appendix III	Fluoride	mg/l	42%	4	0	5	3	12	0.277	0.554	0.560	4	0	2	1	7	0.923	0.843	0.934
21_2_120	MW-100D	Appendix III	pH, Field	su	0%	4	0	5	3	12	0.955	0.846	0.831	4	0	5	3	12	0.955	0.846	0.831
21_2_124	MW-100D	Appendix III	Sulfate	mg/l	8%	4	0	5	3	12	0.533	0.481	0.483	4	0	4	3	11	0.358	0.327	0.338
21_2_126	MW-100D	Appendix III	Total Dissolved Solids	mg/l	0%	4	0	5	3	12	0.486	0.404	0.429	4	0	5	3	12	0.486	0.404	0.429
21_3_101	MW-100D	Appendix IV	Antimony	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
21_3_102	MW-100D	Appendix IV	Arsenic	mg/l	17%	4	0	5	3	12	0.283	0.323	0.320	4	0	3	3	10	0.340	0.284	0.269
21_3_103	MW-100D	Appendix IV	Barium	mg/l	0%	4	0	5	3	12	0.081	0.120	0.094	4	0	5	3	12	0.081	0.120	0.094
21_3_104	MW-100D	Appendix IV	Beryllium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
21_3_106	MW-100D	Appendix IV	Cadmium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
21_3_109	MW-100D	Appendix IV	Chromium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
21_3_110	MW-100D	Appendix IV	Cobalt	mg/l	83%	4	0	5	3	12	0.261	0.350	0.284	1	0	1	0	2	0.317	NA	NA
21_3_113	MW-100D	Appendix IV	Fluoride (App IV)	mg/l	42%	4	0	5	3	12	0.277	0.554	0.560	4	0	2	1	7	0.923	0.843	0.934
21_3_115	MW-100D	Appendix IV	Lead	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
21_3_116	MW-100D	Appendix IV	Lithium	mg/l	0%	4	0	5	3	12	0.214	0.811	0.816	4	0	5	3	12	0.214	0.811	0.816
21_3_117	MW-100D	Appendix IV	Mercury	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
21_3_118	MW-100D	Appendix IV	Molybdenum	mg/l	8%	4	0	5	3	12	0.236	0.294	0.270	4	0	4	3	11	0.151	0.164	0.134
21_3_121	MW-100D	Appendix IV	Radium-226+228	pci/l	17%	4	0	5	3	12	0.024 *	0.283	0.063	2	0	5	3	10	0.106	0.454	0.153
21_3_122	MW-100D	Appendix IV	Selenium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
21_3_125	MW-100D	Appendix IV	Thallium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
21_5_111	MW-100D	Part 115	Copper	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
21_5_114	MW-100D	Part 115	Iron	mg/l	0%	4	0	5	3	12	0.173	0.100	0.091	4	0	5	3	12	0.173	0.100	0.091
21_5_119	MW-100D	Part 115	Nickel	mg/l	92%	4	0	5	3	12	0.259	0.335	0.310	0	0	1	0	1	NA	NA	NA
21_5_123	MW-100D	Part 115	Silver	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
21_5_128	MW-100D	Part 115	Vanadium	mg/l	100%	4	0	5	3	12	0.333	0.366	0.366	NA	NA	NA	NA	NA	NA	NA	NA
21_5_129	MW-100D	Part 115	Zinc	mg/l	83%	4	0	5	3	12	0.118	0.275	0.313	1	0	1	0	2	0.317	NA	NA

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 8: Trend Tests: Lognormal MLE and MK

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
11_2_105	MW-7B	Appendix III	Boron	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.0000394	0.009	↓
11_2_107	MW-7B	Appendix III	Calcium	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.000110	0.000	↓
11_2_120	MW-7B	Appendix III	pH, Field	su	15	0	0%	Parametric	Lognormal MLE	0.00000611	0.565	↔
11_2_126	MW-7B	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.0000277	0.006	↓
11_3_103	MW-7B	Appendix IV	Barium	mg/l	15	0	0%	Parametric	Lognormal MLE	-0.000207	0.000	↓
11_3_116	MW-7B	Appendix IV	Lithium	mg/l	15	0	0%	Nonparametric	MK	0	0.674	↔
11_3_121	MW-7B	Appendix IV	Radium-226+228	pci/l	15	1	7%	Parametric	Lognormal MLE	-0.0000190	0.958	↔
11_5_114	MW-7B	Part 115	Iron	mg/l	15	0	0%	Parametric	Lognormal MLE	0.000562	0.001	↑
12_2_105	MW-16C	Appendix III	Boron	mg/l	14	0	0%	Nonparametric	MK	0	0.733	↔
12_2_107	MW-16C	Appendix III	Calcium	mg/l	14	0	0%	Parametric	Lognormal MLE	0.000104	0.034	↔
12_2_108	MW-16C	Appendix III	Chloride	mg/l	14	6	43%	Parametric	Lognormal MLE	-0.00139	0.000	↓
12_2_120	MW-16C	Appendix III	pH, Field	su	14	0	0%	Parametric	Lognormal MLE	-0.0000252	0.019	↔
12_2_124	MW-16C	Appendix III	Sulfate	mg/l	14	0	0%	Nonparametric	MK	0.00186	0.182	↔
12_2_126	MW-16C	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	Nonparametric	MK	-0.0323	0.011	↔
12_3_103	MW-16C	Appendix IV	Barium	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.000657	0.000	↓
12_3_116	MW-16C	Appendix IV	Lithium	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.0000208	0.637	↔
12_3_121	MW-16C	Appendix IV	Radium-226+228	pci/l	14	3	21%	Parametric	Lognormal MLE	-0.00133	0.215	↔
12_5_114	MW-16C	Part 115	Iron	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.000774	0.000	↓
13_2_105	MW-16D	Appendix III	Boron	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.0000862	0.010	↓
13_2_107	MW-16D	Appendix III	Calcium	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.0000349	0.105	↔
13_2_108	MW-16D	Appendix III	Chloride	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.0000510	0.419	↔
13_2_120	MW-16D	Appendix III	pH, Field	su	14	0	0%	Parametric	Lognormal MLE	-0.00000914	0.429	↔
13_2_124	MW-16D	Appendix III	Sulfate	mg/l	14	1	7%	Parametric	Lognormal MLE	-0.000510	0.034	↔
13_2_126	MW-16D	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.0000374	0.030	↔
13_3_102	MW-16D	Appendix IV	Arsenic	mg/l	14	3	21%	Parametric	Lognormal MLE	-0.0000213	0.936	↔
13_3_103	MW-16D	Appendix IV	Barium	mg/l	14	0	0%	Parametric	Lognormal MLE	-0.000218	0.000	↓
13_3_116	MW-16D	Appendix IV	Lithium	mg/l	14	0	0%	Nonparametric	MK	0	0.688	↔
13_3_118	MW-16D	Appendix IV	Molybdenum	mg/l	14	0	0%	Nonparametric	MK	-0.00000217	0.040	↔
13_3_121	MW-16D	Appendix IV	Radium-226+228	pci/l	14	2	14%	Parametric	Lognormal MLE	-0.00138	0.024	↔
13_5_114	MW-16D	Part 115	Iron	mg/l	14	0	0%	Parametric	Lognormal MLE	0.00106	0.014	↔
13_5_129	MW-16D	Part 115	Zinc	mg/l	14	1	7%	Parametric	Lognormal MLE	-0.00465	0.000	↓
14_2_105	MW-17D	Appendix III	Boron	mg/l	9	0	0%	Nonparametric	MK	-0.000314	0.598	↔
14_2_107	MW-17D	Appendix III	Calcium	mg/l	9	0	0%	Nonparametric	MK	-0.00433	0.454	↔
14_2_108	MW-17D	Appendix III	Chloride	mg/l	9	0	0%	Nonparametric	MK	-0.0193	0.016	↔
14_2_112	MW-17D	Appendix III	Fluoride	mg/l	9	0	0%	Nonparametric	MK	0.000328	0.171	↔
14_2_120	MW-17D	Appendix III	pH, Field	su	11	0	0%	Parametric	Lognormal MLE	-0.0000178	0.187	↔
14_2_124	MW-17D	Appendix III	Sulfate	mg/l	9	0	0%	Nonparametric	MK	-0.0184	0.076	↔
14_2_126	MW-17D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	Nonparametric	MK	-0.0567	0.593	↔
14_3_102	MW-17D	Appendix IV	Arsenic	mg/l	9	2	22%	Parametric	Lognormal MLE	-0.00246	0.002	↓
14_3_103	MW-17D	Appendix IV	Barium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000418	0.233	↔
14_3_113	MW-17D	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	Nonparametric	MK	0.000328	0.171	↔
14_3_116	MW-17D	Appendix IV	Lithium	mg/l	9	0	0%	Nonparametric	MK	-0.00000852	0.203	↔
14_3_118	MW-17D	Appendix IV	Molybdenum	mg/l	9	1	11%	Nonparametric	MK	-0.00000996	0.175	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
14_3_121	MW-17D	Appendix IV	Radium-226+228	pci/l	9	2	22%	Parametric	Lognormal MLE	-0.00419	0.001	↓
14_5_114	MW-17D	Part 115	Iron	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000394	0.726	↔
15_2_105	MW-17E	Appendix III	Boron	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.0000638	0.811	↔
15_2_107	MW-17E	Appendix III	Calcium	mg/l	9	0	0%	Nonparametric	MK	-0.00228	0.402	↔
15_2_108	MW-17E	Appendix III	Chloride	mg/l	9	0	0%	Nonparametric	MK	-0.00284	0.114	↔
15_2_112	MW-17E	Appendix III	Fluoride	mg/l	9	0	0%	Parametric	Lognormal MLE	0.00114	0.290	↔
15_2_120	MW-17E	Appendix III	pH, Field	su	11	0	0%	Nonparametric	MK	-0.000323	0.072	↔
15_2_124	MW-17E	Appendix III	Sulfate	mg/l	9	3	33%	Parametric	Lognormal MLE	0.00541	0.376	↔
15_2_126	MW-17E	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	Nonparametric	MK	-0.0255	0.748	↔
15_3_103	MW-17E	Appendix IV	Barium	mg/l	9	0	0%	Nonparametric	MK	-0.00000314	0.118	↔
15_3_113	MW-17E	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	Parametric	Lognormal MLE	0.00114	0.290	↔
15_3_116	MW-17E	Appendix IV	Lithium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000270	0.179	↔
15_5_114	MW-17E	Part 115	Iron	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.00275	0.060	↔
16_2_105	MW-18C	Appendix III	Boron	mg/l	10	0	0%	Parametric	Lognormal MLE	0.000123	0.610	↔
16_2_107	MW-18C	Appendix III	Calcium	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.000603	0.199	↔
16_2_108	MW-18C	Appendix III	Chloride	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.00103	0.238	↔
16_2_112	MW-18C	Appendix III	Fluoride	mg/l	10	2	20%	Parametric	Lognormal MLE	0.00102	0.146	↔
16_2_120	MW-18C	Appendix III	pH, Field	su	12	0	0%	Parametric	Lognormal MLE	-0.0000396	0.023	↔
16_2_124	MW-18C	Appendix III	Sulfate	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.000795	0.363	↔
16_2_126	MW-18C	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.000515	0.279	↔
16_3_103	MW-18C	Appendix IV	Barium	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.000592	0.198	↔
16_3_113	MW-18C	Appendix IV	Fluoride (App IV)	mg/l	10	2	20%	Parametric	Lognormal MLE	0.00102	0.146	↔
16_3_116	MW-18C	Appendix IV	Lithium	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.000119	0.790	↔
16_3_118	MW-18C	Appendix IV	Molybdenum	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.000591	0.529	↔
16_3_121	MW-18C	Appendix IV	Radium-226+228	pci/l	10	0	0%	Parametric	Lognormal MLE	-0.000550	0.466	↔
16_5_114	MW-18C	Part 115	Iron	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.00114	0.174	↔
16_5_119	MW-18C	Part 115	Nickel	mg/l	10	1	10%	Parametric	Lognormal MLE	-0.000919	0.378	↔
17_2_105	MW-18D	Appendix III	Boron	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.0000463	0.848	↔
17_2_107	MW-18D	Appendix III	Calcium	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.00199	0.014	↔
17_2_108	MW-18D	Appendix III	Chloride	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.00240	0.005	↓
17_2_112	MW-18D	Appendix III	Fluoride	mg/l	10	1	10%	Parametric	Lognormal MLE	0.00188	0.000	↑
17_2_120	MW-18D	Appendix III	pH, Field	su	12	0	0%	Parametric	Lognormal MLE	-0.0000158	0.467	↔
17_2_124	MW-18D	Appendix III	Sulfate	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.00246	0.008	↓
17_2_126	MW-18D	Appendix III	Total Dissolved Solids	mg/l	10	1	10%	Parametric	Lognormal MLE	-0.00220	0.163	↔
17_3_103	MW-18D	Appendix IV	Barium	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.00194	0.001	↓
17_3_113	MW-18D	Appendix IV	Fluoride (App IV)	mg/l	10	1	10%	Parametric	Lognormal MLE	0.00188	0.000	↑
17_3_116	MW-18D	Appendix IV	Lithium	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.00121	0.001	↓
17_3_118	MW-18D	Appendix IV	Molybdenum	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.00221	0.003	↓
17_3_121	MW-18D	Appendix IV	Radium-226+228	pci/l	10	3	30%	Parametric	Lognormal MLE	-0.00321	0.083	↔
17_5_114	MW-18D	Part 115	Iron	mg/l	10	0	0%	Parametric	Lognormal MLE	-0.00217	0.011	↔
17_5_119	MW-18D	Part 115	Nickel	mg/l	10	1	10%	Parametric	Lognormal MLE	-0.00128	0.087	↔
18_2_105	MW-19C	Appendix III	Boron	mg/l	9	0	0%	Parametric	Lognormal MLE	0.00171	0.061	↔
18_2_107	MW-19C	Appendix III	Calcium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000248	0.101	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
18_2_108	MW-19C	Appendix III	Chloride	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.00139	0.007	↓
18_2_112	MW-19C	Appendix III	Fluoride	mg/l	9	0	0%	Nonparametric	MK	0.000105	0.164	↔
18_2_120	MW-19C	Appendix III	pH, Field	su	9	0	0%	Parametric	Lognormal MLE	0.00000126	0.979	↔
18_2_124	MW-19C	Appendix III	Sulfate	mg/l	9	0	0%	Nonparametric	MK	-0.0126	0.009	↓
18_2_126	MW-19C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	Parametric	Lognormal MLE	0.0000484	0.855	↔
18_3_103	MW-19C	Appendix IV	Barium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.00156	0.000	↓
18_3_113	MW-19C	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	Nonparametric	MK	0.000105	0.164	↔
18_3_116	MW-19C	Appendix IV	Lithium	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000252	0.259	↔
18_3_121	MW-19C	Appendix IV	Radium-226+228	pci/l	9	2	22%	Parametric	Lognormal MLE	0.00174	0.220	↔
18_5_114	MW-19C	Part 115	Iron	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000882	0.093	↔
19_2_105	MW-19D	Appendix III	Boron	mg/l	9	0	0%	Nonparametric	MK	-0.000290	0.100	↔
19_2_107	MW-19D	Appendix III	Calcium	mg/l	9	0	0%	Nonparametric	MK	0.0181	0.138	↔
19_2_108	MW-19D	Appendix III	Chloride	mg/l	9	0	0%	Nonparametric	MK	-0.00148	0.014	↔
19_2_112	MW-19D	Appendix III	Fluoride	mg/l	9	0	0%	Nonparametric	MK	0	1.000	↔
19_2_120	MW-19D	Appendix III	pH, Field	su	9	0	0%	Nonparametric	MK	-0.000312	0.754	↔
19_2_124	MW-19D	Appendix III	Sulfate	mg/l	9	0	0%	Nonparametric	MK	0.00952	0.020	↔
19_2_126	MW-19D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	Nonparametric	MK	0	0.744	↔
19_3_103	MW-19D	Appendix IV	Barium	mg/l	9	0	0%	Nonparametric	MK	-0.00000357	1.000	↔
19_3_113	MW-19D	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	Nonparametric	MK	0	1.000	↔
19_3_116	MW-19D	Appendix IV	Lithium	mg/l	9	0	0%	Nonparametric	MK	-0.0000147	0.059	↔
19_3_118	MW-19D	Appendix IV	Molybdenum	mg/l	9	0	0%	Parametric	Lognormal MLE	-0.000918	0.144	↔
19_5_114	MW-19D	Part 115	Iron	mg/l	9	0	0%	Nonparametric	MK	0.000333	0.754	↔
20_2_105	MW-100C	Appendix III	Boron	mg/l	12	0	0%	Parametric	Lognormal MLE	0.000101	0.031	↔
20_2_107	MW-100C	Appendix III	Calcium	mg/l	12	0	0%	Parametric	Lognormal MLE	0.00000566	0.864	↔
20_2_108	MW-100C	Appendix III	Chloride	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.00141	0.000	↓
20_2_120	MW-100C	Appendix III	pH, Field	su	12	0	0%	Parametric	Lognormal MLE	-0.00000254	0.857	↔
20_2_124	MW-100C	Appendix III	Sulfate	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.00199	0.000	↓
20_2_126	MW-100C	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	Nonparametric	MK	-0.0390	0.004	↓
20_3_103	MW-100C	Appendix IV	Barium	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.000500	0.000	↓
20_3_116	MW-100C	Appendix IV	Lithium	mg/l	12	0	0%	Parametric	Lognormal MLE	0.0000586	0.285	↔
20_3_121	MW-100C	Appendix IV	Radium-226+228	pci/l	12	1	8%	Parametric	Lognormal MLE	-0.000775	0.053	↔
20_5_114	MW-100C	Part 115	Iron	mg/l	12	0	0%	Parametric	Lognormal MLE	-0.000195	0.465	↔
21_2_105	MW-100D	Appendix III	Boron	mg/l	12	0	0%	Nonparametric	MK	-0.00128	0.001	↓
21_2_107	MW-100D	Appendix III	Calcium	mg/l	12	0	0%	Nonparametric	MK	0.0234	0.244	↔
21_2_108	MW-100D	Appendix III	Chloride	mg/l	12	4	33%	Parametric	Lognormal MLE	0.00123	0.004	↑
21_2_112	MW-100D	Appendix III	Fluoride	mg/l	12	5	42%	Parametric	Lognormal MLE	0.000928	0.003	↑
21_2_120	MW-100D	Appendix III	pH, Field	su	12	0	0%	Parametric	Lognormal MLE	-0.000119	0.000	↓
21_2_124	MW-100D	Appendix III	Sulfate	mg/l	12	1	8%	Parametric	Lognormal MLE	0.00267	0.000	↑
21_2_126	MW-100D	Appendix III	Total Dissolved Solids	mg/l	12	0	0%	Parametric	Lognormal MLE	0.000378	0.002	↑
21_3_102	MW-100D	Appendix IV	Arsenic	mg/l	12	2	17%	Nonparametric	MK	0	0.588	↔
21_3_103	MW-100D	Appendix IV	Barium	mg/l	12	0	0%	Parametric	Lognormal MLE	0.000178	0.479	↔
21_3_113	MW-100D	Appendix IV	Fluoride (App IV)	mg/l	12	5	42%	Parametric	Lognormal MLE	0.000928	0.003	↑
21_3_116	MW-100D	Appendix IV	Lithium	mg/l	12	0	0%	Nonparametric	MK	0.00000231	0.201	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
21_3_118	MW-100D	Appendix IV	Molybdenum	mg/l	12	1	8%	Parametric	Lognormal MLE	-0.000526	0.017	↔
21_3_121	MW-100D	Appendix IV	Radium-226+228	pci/l	12	2	17%	Parametric	Lognormal MLE	-0.00159	0.026	↔
21_5_114	MW-100D	Part 115	Iron	mg/l	12	0	0%	Parametric	Lognormal MLE	0.0000384	0.947	↔

Table 9: Trend Tests: Piecewise Linear-Linear

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
11_2_107	MW-7B	Appendix III	Calcium	mg/l	15	0	0%	-0.0174	0.352	↔	-0.000736	0.021	↔	2022-05-11	0.645
11_2_108	MW-7B	Appendix III	Chloride	mg/l	15	10	67%	0.0000000000376	1.000	↔	-0.00417	0.000	↓	2022-11-10	0.905
11_2_112	MW-7B	Appendix III	Fluoride	mg/l	15	10	67%	-0.000725	0.005	↓	0.000368	0.308	↔	2024-03-01	0.633
11_2_120	MW-7B	Appendix III	pH, Field	su	15	0	0%	-0.00266	0.390	↔	0.000135	0.190	↔	2022-06-22	0.285
11_2_124	MW-7B	Appendix III	Sulfate	mg/l	15	10	67%	-0.00421	0.001	↓	-0.00265	0.432	↔	2024-08-08	0.852
11_2_126	MW-7B	Appendix III	Total Dissolved Solids	mg/l	15	0	0%	0.0323	0.732	↔	-0.0121	0.032	↔	2022-07-26	0.378
11_3_101	MW-7B	Appendix IV	Antimony	mg/l	15	15	100%	-0.00000000000578	1.000	↔	-0.00000729	0.002	↓	2024-02-06	0.875
11_3_102	MW-7B	Appendix IV	Arsenic	mg/l	15	12	80%	0.000000378	0.637	↔	-0.00000191	0.164	↔	2024-01-30	0.418
11_3_103	MW-7B	Appendix IV	Barium	mg/l	15	0	0%	-0.00000523	0.021	↔	-0.000000528	0.504	↔	2023-04-17	0.766
11_3_104	MW-7B	Appendix IV	Beryllium	mg/l	15	14	93%	-0.00000000000000459	1.000	↔	-0.00000120	0.002	↓	2024-02-06	0.875
11_3_106	MW-7B	Appendix IV	Cadmium	mg/l	15	14	93%	-0.00000000000000209	1.000	↔	-0.000000655	0.002	↓	2024-02-06	0.866
11_3_109	MW-7B	Appendix IV	Chromium	mg/l	15	15	100%	-0.0000000000000335	1.000	↔	-0.00000625	0.002	↓	2024-02-06	0.875
11_3_110	MW-7B	Appendix IV	Cobalt	mg/l	15	14	93%	-0.0000000000000257	1.000	↔	-0.00000807	0.002	↓	2024-02-06	0.875
11_3_113	MW-7B	Appendix IV	Fluoride (App IV)	mg/l	15	10	67%	-0.000725	0.005	↓	0.000368	0.308	↔	2024-03-01	0.633
11_3_115	MW-7B	Appendix IV	Lead	mg/l	15	14	93%	-0.00000246	0.537	↔	-0.00000416	0.524	↔	2024-08-07	0.275
11_3_116	MW-7B	Appendix IV	Lithium	mg/l	15	0	0%	0.00000153	0.502	↔	-0.00000113	0.762	↔	2024-01-30	0.054
11_3_117	MW-7B	Appendix IV	Mercury	mg/l	15	15	100%	-0.00000000000000722	1.000	↔	-0.000000115	0.002	↓	2024-02-06	0.875
11_3_118	MW-7B	Appendix IV	Molybdenum	mg/l	15	15	100%	-0.0000000000000511	1.000	↔	-0.00000641	0.002	↓	2024-02-06	0.875
11_3_121	MW-7B	Appendix IV	Radium-226+228	pci/l	15	1	7%	0.000533	0.427	↔	-0.00265	0.666	↔	2025-02-05	0.100
11_3_122	MW-7B	Appendix IV	Selenium	mg/l	15	15	100%	-0.00000000000618	1.000	↔	-0.00000676	0.002	↓	2024-02-06	0.875
11_3_125	MW-7B	Appendix IV	Thallium	mg/l	15	15	100%	-0.000000000000000719	1.000	↔	-0.00000245	0.002	↓	2024-02-06	0.875
11_5_111	MW-7B	Part 115	Copper	mg/l	15	15	100%	-0.0000000000000285	1.000	↔	-0.00000543	0.002	↓	2024-02-06	0.875
11_5_114	MW-7B	Part 115	Iron	mg/l	15	0	0%	0.0000881	0.000	↑	-0.0000951	0.005	↓	2024-08-07	0.852
11_5_119	MW-7B	Part 115	Nickel	mg/l	15	15	100%	-0.0000000000000220	1.000	↔	-0.00000576	0.002	↓	2024-02-06	0.875
11_5_123	MW-7B	Part 115	Silver	mg/l	15	15	100%	-0.000000000000672	1.000	↔	-0.000000735	0.002	↓	2024-02-06	0.875
11_5_128	MW-7B	Part 115	Vanadium	mg/l	15	15	100%	-0.00000000000628	1.000	↔	-0.00000687	0.002	↓	2024-02-06	0.875
11_5_129	MW-7B	Part 115	Zinc	mg/l	15	14	93%	0.00000000000131	1.000	↔	-0.00000679	0.001	↓	2024-02-19	0.885
12_2_107	MW-16C	Appendix III	Calcium	mg/l	14	0	0%	0.0701	0.001	↑	-0.00131	0.651	↔	2023-08-18	0.813
12_2_108	MW-16C	Appendix III	Chloride	mg/l	14	6	43%	-0.0119	0.003	↓	-0.000978	0.712	↔	2024-03-13	0.804
12_2_112	MW-16C	Appendix III	Fluoride	mg/l	14	8	57%	-0.00216	0.009	↓	0.000218	0.705	↔	2024-02-01	0.610
12_2_120	MW-16C	Appendix III	pH, Field	su	14	0	0%	-0.000116	0.480	↔	-0.000385	0.669	↔	2025-02-06	0.302
12_2_124	MW-16C	Appendix III	Sulfate	mg/l	14	0	0%	-0.234	0.000	↓	0.00336	0.002	↑	2023-03-24	0.931
12_2_126	MW-16C	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	-1.03	0.002	↓	-0.0175	0.034	↔	2023-04-24	0.934

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
12_3_101	MW-16C	Appendix IV	Antimony	mg/l	14	14	100%	-0.00000000000105	1.000	↔	-0.00000722	0.003	↓	2024-02-04	0.873
12_3_102	MW-16C	Appendix IV	Arsenic	mg/l	14	11	79%	0.000000312	0.853	↔	-0.00000247	0.010	↔	2024-01-31	0.679
12_3_103	MW-16C	Appendix IV	Barium	mg/l	14	0	0%	-0.000137	0.000	↓	-0.00000876	0.083	↔	2023-08-14	0.899
12_3_104	MW-16C	Appendix IV	Beryllium	mg/l	14	14	100%	0.00000000000195	1.000	↔	-0.00000119	0.003	↓	2024-02-04	0.873
12_3_106	MW-16C	Appendix IV	Cadmium	mg/l	14	14	100%	-0.00000000000000436	1.000	↔	-0.000000689	0.003	↓	2024-02-04	0.873
12_3_109	MW-16C	Appendix IV	Chromium	mg/l	14	13	93%	0.00000488	0.213	↔	-0.0000135	0.084	↔	2024-08-06	0.567
12_3_110	MW-16C	Appendix IV	Cobalt	mg/l	14	14	100%	-0.0000000000000159	1.000	↔	-0.00000801	0.003	↓	2024-02-04	0.873
12_3_113	MW-16C	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	-0.00216	0.009	↓	0.000218	0.705	↔	2024-02-01	0.610
12_3_115	MW-16C	Appendix IV	Lead	mg/l	14	14	100%	-0.00000000000928	1.000	↔	-0.00000416	0.003	↓	2024-02-04	0.873
12_3_116	MW-16C	Appendix IV	Lithium	mg/l	14	0	0%	0.00000187	0.400	↔	-0.0000165	0.191	↔	2025-06-21	0.273
12_3_117	MW-16C	Appendix IV	Mercury	mg/l	14	14	100%	-0.000000000000154	1.000	↔	-0.000000114	0.003	↓	2024-02-04	0.873
12_3_118	MW-16C	Appendix IV	Molybdenum	mg/l	14	11	79%	-0.0000207	0.307	↔	-0.00000491	0.001	↓	2023-05-24	0.803
12_3_122	MW-16C	Appendix IV	Selenium	mg/l	14	14	100%	-0.0000000000110	1.000	↔	-0.00000670	0.003	↓	2024-02-04	0.873
12_3_125	MW-16C	Appendix IV	Thallium	mg/l	14	14	100%	-0.0000000000156	1.000	↔	-0.00000243	0.003	↓	2024-02-04	0.873
12_5_111	MW-16C	Part 115	Copper	mg/l	14	14	100%	-0.00000000000727	1.000	↔	-0.00000538	0.003	↓	2024-02-04	0.873
12_5_114	MW-16C	Part 115	Iron	mg/l	14	0	0%	-0.00249	0.024	↔	-0.000182	0.153	↔	2023-07-27	0.767
12_5_119	MW-16C	Part 115	Nickel	mg/l	14	14	100%	0.0000000000439	1.000	↔	-0.00000570	0.003	↓	2024-02-04	0.873
12_5_123	MW-16C	Part 115	Silver	mg/l	14	14	100%	-0.00000000000000139	1.000	↔	-0.000000729	0.003	↓	2024-02-04	0.873
12_5_128	MW-16C	Part 115	Vanadium	mg/l	14	14	100%	-0.0000000000000248	1.000	↔	-0.00000681	0.003	↓	2024-02-04	0.873
12_5_129	MW-16C	Part 115	Zinc	mg/l	14	13	93%	-0.0000000000104	1.000	↔	-0.00000637	0.003	↓	2024-02-04	0.869
13_2_105	MW-16D	Appendix III	Boron	mg/l	14	0	0%	0.000559	0.334	↔	-0.000812	0.107	↔	2024-02-01	0.499
13_2_107	MW-16D	Appendix III	Calcium	mg/l	14	0	0%	0.00283	0.103	↔	-0.00556	0.002	↓	2024-08-05	0.699
13_2_108	MW-16D	Appendix III	Chloride	mg/l	14	0	0%	0.0213	0.138	↔	-0.000915	0.042	↔	2023-04-17	0.570
13_2_112	MW-16D	Appendix III	Fluoride	mg/l	14	8	57%	-0.00169	0.016	↔	0.000418	0.409	↔	2024-02-02	0.511
13_2_124	MW-16D	Appendix III	Sulfate	mg/l	14	1	7%	-0.0128	0.135	↔	-0.0000430	0.991	↔	2023-12-23	0.375
13_2_126	MW-16D	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	0.165	0.183	↔	-0.0230	0.004	↓	2023-05-29	0.623
13_3_101	MW-16D	Appendix IV	Antimony	mg/l	14	14	100%	-0.00000000000105	1.000	↔	-0.00000722	0.003	↓	2024-02-04	0.873
13_3_102	MW-16D	Appendix IV	Arsenic	mg/l	14	3	21%	0.0000209	0.346	↔	-0.00000100	0.141	↔	2023-04-24	0.386
13_3_103	MW-16D	Appendix IV	Barium	mg/l	14	0	0%	-0.00000640	0.000	↓	-0.00000964	0.198	↔	2025-02-06	0.907
13_3_104	MW-16D	Appendix IV	Beryllium	mg/l	14	14	100%	0.00000000000195	1.000	↔	-0.00000119	0.003	↓	2024-02-04	0.873
13_3_106	MW-16D	Appendix IV	Cadmium	mg/l	14	14	100%	-0.00000000000000436	1.000	↔	-0.000000689	0.003	↓	2024-02-04	0.873
13_3_109	MW-16D	Appendix IV	Chromium	mg/l	14	14	100%	-0.00000000000381	1.000	↔	-0.00000619	0.003	↓	2024-02-04	0.873
13_3_110	MW-16D	Appendix IV	Cobalt	mg/l	14	14	100%	-0.0000000000000159	1.000	↔	-0.00000801	0.003	↓	2024-02-04	0.873
13_3_113	MW-16D	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	-0.00169	0.016	↔	0.000418	0.409	↔	2024-02-02	0.511
13_3_115	MW-16D	Appendix IV	Lead	mg/l	14	14	100%	-0.00000000000928	1.000	↔	-0.00000416	0.003	↓	2024-02-04	0.873
13_3_116	MW-16D	Appendix IV	Lithium	mg/l	14	0	0%	-0.000149	0.060	↔	0.00000389	0.092	↔	2023-04-20	0.686
13_3_117	MW-16D	Appendix IV	Mercury	mg/l	14	14	100%	-0.000000000000154	1.000	↔	-0.000000114	0.003	↓	2024-02-04	0.873
13_3_118	MW-16D	Appendix IV	Molybdenum	mg/l	14	0	0%	0.000128	0.000	↑	-0.00000265	0.000	↓	2023-03-21	0.910
13_3_121	MW-16D	Appendix IV	Radium-226+228	pci/l	14	2	14%	-0.00758	0.586	↔	-0.000938	0.438	↔	2023-05-30	0.179
13_3_122	MW-16D	Appendix IV	Selenium	mg/l	14	13	93%	0.000000925	0.745	↔	-0.00000667	0.000	↓	2023-12-23	0.862
13_3_125	MW-16D	Appendix IV	Thallium	mg/l	14	14	100%	-0.0000000000156	1.000	↔	-0.00000243	0.003	↓	2024-02-04	0.873
13_5_114	MW-16D	Part 115	Iron	mg/l	14	0	0%	0.000993	0.004	↑	-0.000234	0.309	↔	2024-04-01	0.708

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
13_5_119	MW-16D	Part 115	Nickel	mg/l	14	14	100%	0.0000000000439	1.000	↔	-0.00000570	0.003	↓	2024-02-04	0.873
13_5_123	MW-16D	Part 115	Silver	mg/l	14	14	100%	-0.00000000000000139	1.000	↔	-0.000000729	0.003	↓	2024-02-04	0.873
13_5_128	MW-16D	Part 115	Vanadium	mg/l	14	14	100%	-0.0000000000000248	1.000	↔	-0.00000681	0.003	↓	2024-02-04	0.873
13_5_129	MW-16D	Part 115	Zinc	mg/l	14	1	7%	-0.00102	0.015	↔	-0.0000174	0.783	↔	2023-08-08	0.667
14_2_105	MW-17D	Appendix III	Boron	mg/l	9	0	0%	0.00277	0.381	↔	-0.00101	0.615	↔	2025-03-15	0.201
14_2_107	MW-17D	Appendix III	Calcium	mg/l	9	0	0%	-0.132	0.381	↔	0.0826	0.401	↔	2025-04-24	0.280
14_2_108	MW-17D	Appendix III	Chloride	mg/l	9	0	0%	-0.184	0.375	↔	0.0174	0.894	↔	2025-03-26	0.292
14_2_112	MW-17D	Appendix III	Fluoride	mg/l	9	0	0%	0.00160	0.039	↔	0.000000663	0.997	↔	2025-02-08	0.807
14_2_124	MW-17D	Appendix III	Sulfate	mg/l	9	0	0%	-0.866	0.436	↔	0.308	0.666	↔	2025-04-12	0.212
14_2_126	MW-17D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	-1.67	0.383	↔	0.415	0.732	↔	2025-03-29	0.240
14_3_101	MW-17D	Appendix IV	Antimony	mg/l	9	7	78%	-0.0000371	0.011	↔	-0.0000000000000942	1.000	↔	2025-02-28	0.856
14_3_102	MW-17D	Appendix IV	Arsenic	mg/l	9	2	22%	-0.0000104	0.197	↔	0.000000353	0.942	↔	2025-04-27	0.624
14_3_103	MW-17D	Appendix IV	Barium	mg/l	9	0	0%	-0.0000508	0.237	↔	0.0000526	0.615	↔	2025-08-12	0.311
14_3_104	MW-17D	Appendix IV	Beryllium	mg/l	9	9	100%	-0.00000617	0.012	↔	0.00000000000682	1.000	↔	2025-02-27	0.851
14_3_106	MW-17D	Appendix IV	Cadmium	mg/l	9	8	89%	-0.0000156	0.353	↔	-0.0000000000263	1.000	↔	2025-03-03	0.295
14_3_109	MW-17D	Appendix IV	Chromium	mg/l	9	9	100%	-0.000158	0.347	↔	0.000000000000154	1.000	↔	2025-02-27	0.290
14_3_110	MW-17D	Appendix IV	Cobalt	mg/l	9	8	89%	-0.0000416	0.012	↔	0.00000128	0.863	↔	2025-03-03	0.848
14_3_113	MW-17D	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.00160	0.039	↔	0.000000663	0.997	↔	2025-02-08	0.807
14_3_115	MW-17D	Appendix IV	Lead	mg/l	9	9	100%	-0.0000216	0.012	↔	0.000000000000000859	1.000	↔	2025-02-27	0.851
14_3_116	MW-17D	Appendix IV	Lithium	mg/l	9	0	0%	-0.000125	0.461	↔	0.000000729	0.989	↔	2025-02-14	0.274
14_3_117	MW-17D	Appendix IV	Mercury	mg/l	9	9	100%	-0.000000592	0.012	↔	0.0000000000000144	1.000	↔	2025-02-27	0.851
14_3_118	MW-17D	Appendix IV	Molybdenum	mg/l	9	1	11%	-0.000280	0.437	↔	0.0000176	0.939	↔	2025-03-16	0.225
14_3_121	MW-17D	Appendix IV	Radium-226+228	pci/l	9	2	22%	-0.0132	0.145	↔	0.000156	0.976	↔	2025-03-25	0.609
14_3_122	MW-17D	Appendix IV	Selenium	mg/l	9	9	100%	-0.0000348	0.012	↔	0.000000000000000144	1.000	↔	2025-02-27	0.851
14_3_125	MW-17D	Appendix IV	Thallium	mg/l	9	9	100%	-0.0000126	0.012	↔	0.000000000000167	1.000	↔	2025-02-27	0.851
14_5_111	MW-17D	Part 115	Copper	mg/l	9	9	100%	-0.000154	0.358	↔	0.00000000000000557	1.000	↔	2025-02-27	0.280
14_5_119	MW-17D	Part 115	Nickel	mg/l	9	9	100%	-0.000155	0.354	↔	-0.000000000000290	1.000	↔	2025-02-27	0.284
14_5_123	MW-17D	Part 115	Silver	mg/l	9	9	100%	-0.0000164	0.333	↔	0.00000000000562	1.000	↔	2025-02-27	0.304
14_5_128	MW-17D	Part 115	Vanadium	mg/l	9	9	100%	-0.0000354	0.012	↔	0.0000000000000201	1.000	↔	2025-02-27	0.851
15_2_105	MW-17E	Appendix III	Boron	mg/l	9	0	0%	0.00381	0.244	↔	-0.00384	0.099	↔	2025-05-10	0.539
15_2_107	MW-17E	Appendix III	Calcium	mg/l	9	0	0%	-0.0648	0.428	↔	0.191	0.147	↔	2025-07-26	0.433
15_2_108	MW-17E	Appendix III	Chloride	mg/l	9	0	0%	-0.0142	0.253	↔	0.0704	0.056	↔	2025-08-27	0.667
15_2_112	MW-17E	Appendix III	Fluoride	mg/l	9	0	0%	0.00421	0.194	↔	-0.00178	0.378	↔	2025-04-15	0.455
15_2_120	MW-17E	Appendix III	pH, Field	su	11	0	0%	-0.0000193	0.981	↔	-0.00404	0.392	↔	2025-09-25	0.446
15_2_124	MW-17E	Appendix III	Sulfate	mg/l	9	3	33%	-0.0124	0.415	↔	1.12	0.000	↑	2025-09-10	0.997
15_3_101	MW-17E	Appendix IV	Antimony	mg/l	9	9	100%	-0.0000375	0.012	↔	0.0000000000000758	1.000	↔	2025-02-27	0.851
15_3_102	MW-17E	Appendix IV	Arsenic	mg/l	9	9	100%	-0.0000106	0.012	↔	-0.0000000000000377	1.000	↔	2025-02-27	0.851
15_3_103	MW-17E	Appendix IV	Barium	mg/l	9	0	0%	-0.000105	0.434	↔	0.0000512	0.555	↔	2025-04-24	0.229
15_3_104	MW-17E	Appendix IV	Beryllium	mg/l	9	9	100%	-0.00000617	0.012	↔	0.00000000000682	1.000	↔	2025-02-27	0.851
15_3_106	MW-17E	Appendix IV	Cadmium	mg/l	9	9	100%	-0.0000161	0.338	↔	0.00000000000672	1.000	↔	2025-02-27	0.299
15_3_109	MW-17E	Appendix IV	Chromium	mg/l	9	9	100%	-0.000158	0.347	↔	0.000000000000154	1.000	↔	2025-02-27	0.290
15_3_110	MW-17E	Appendix IV	Cobalt	mg/l	9	8	89%	-0.0000416	0.012	↔	0.000000745	0.920	↔	2025-03-01	0.849

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Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
15_3_113	MW-17E	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.00421	0.194	↔	-0.00178	0.378	↔	2025-04-15	0.455
15_3_115	MW-17E	Appendix IV	Lead	mg/l	9	9	100%	-0.0000216	0.012	↔	0.000000000000000859	1.000	↔	2025-02-27	0.851
15_3_116	MW-17E	Appendix IV	Lithium	mg/l	9	0	0%	-0.0000588	0.122	↔	0.00000435	0.681	↔	2025-01-30	0.558
15_3_117	MW-17E	Appendix IV	Mercury	mg/l	9	9	100%	-0.000000592	0.012	↔	0.0000000000000144	1.000	↔	2025-02-27	0.851
15_3_118	MW-17E	Appendix IV	Molybdenum	mg/l	9	7	78%	-0.0000470	0.080	↔	0.0000319	0.073	↔	2025-04-30	0.688
15_3_121	MW-17E	Appendix IV	Radium-226+228	pci/l	9	5	56%	-0.0490	0.000	↓	0.000834	0.098	↔	2024-12-24	0.994
15_3_122	MW-17E	Appendix IV	Selenium	mg/l	9	9	100%	-0.0000348	0.012	↔	0.000000000000000144	1.000	↔	2025-02-27	0.851
15_3_125	MW-17E	Appendix IV	Thallium	mg/l	9	9	100%	-0.0000126	0.012	↔	0.000000000000167	1.000	↔	2025-02-27	0.851
15_5_111	MW-17E	Part 115	Copper	mg/l	9	9	100%	-0.000154	0.358	↔	0.00000000000000557	1.000	↔	2025-02-27	0.280
15_5_114	MW-17E	Part 115	Iron	mg/l	9	0	0%	-0.000756	0.285	↔	0.000235	0.595	↔	2025-05-01	0.431
15_5_119	MW-17E	Part 115	Nickel	mg/l	9	9	100%	-0.000155	0.354	↔	-0.000000000000290	1.000	↔	2025-02-27	0.284
15_5_123	MW-17E	Part 115	Silver	mg/l	9	9	100%	-0.0000164	0.333	↔	0.00000000000562	1.000	↔	2025-02-27	0.304
15_5_128	MW-17E	Part 115	Vanadium	mg/l	9	9	100%	-0.0000354	0.012	↔	0.0000000000000201	1.000	↔	2025-02-27	0.851
15_5_129	MW-17E	Part 115	Zinc	mg/l	9	6	67%	-0.0000188	0.327	↔	0.00328	0.000	↑	2025-09-10	0.999
16_2_105	MW-18C	Appendix III	Boron	mg/l	10	0	0%	0.00530	0.405	↔	-0.000784	0.451	↔	2025-01-22	0.344
16_2_112	MW-18C	Appendix III	Fluoride	mg/l	10	2	20%	-0.00107	0.591	↔	-0.000163	0.921	↔	2025-04-24	0.117
16_2_120	MW-18C	Appendix III	pH, Field	su	12	0	0%	-0.000681	0.523	↔	-0.000171	0.507	↔	2025-02-26	0.340
16_3_101	MW-18C	Appendix IV	Antimony	mg/l	10	9	90%	-0.0000374	0.024	↔	-0.000000106	0.978	↔	2025-02-26	0.857
16_3_102	MW-18C	Appendix IV	Arsenic	mg/l	10	6	60%	-0.00000986	0.011	↔	0.0000000622	0.966	↔	2025-02-27	0.810
16_3_104	MW-18C	Appendix IV	Beryllium	mg/l	10	10	100%	-0.00000617	0.005	↓	-0.0000000000123	1.000	↔	2025-02-27	0.858
16_3_106	MW-18C	Appendix IV	Cadmium	mg/l	10	9	90%	-0.0000161	0.290	↔	-0.0000000386	0.996	↔	2025-02-27	0.310
16_3_109	MW-18C	Appendix IV	Chromium	mg/l	10	10	100%	-0.000158	0.299	↔	0.000000000000526	1.000	↔	2025-02-27	0.302
16_3_110	MW-18C	Appendix IV	Cobalt	mg/l	10	5	50%	-0.0000415	0.024	↔	0.0000000549	0.990	↔	2025-02-26	0.856
16_3_113	MW-18C	Appendix IV	Fluoride (App IV)	mg/l	10	2	20%	-0.00107	0.591	↔	-0.000163	0.921	↔	2025-04-24	0.117
16_3_115	MW-18C	Appendix IV	Lead	mg/l	10	10	100%	-0.0000216	0.005	↓	-0.000000000000475	1.000	↔	2025-02-27	0.858
16_3_117	MW-18C	Appendix IV	Mercury	mg/l	10	10	100%	-0.000000592	0.005	↓	0.0000000000000268	1.000	↔	2025-02-27	0.858
16_3_121	MW-18C	Appendix IV	Radium-226+228	pci/l	10	0	0%	-0.0235	0.000	↓	0.00361	0.004	↑	2025-01-31	0.958
16_3_122	MW-18C	Appendix IV	Selenium	mg/l	10	9	90%	-0.0000347	0.027	↔	-0.000000755	0.841	↔	2025-02-20	0.841
16_3_125	MW-18C	Appendix IV	Thallium	mg/l	10	10	100%	-0.0000126	0.005	↓	-0.000000000000552	1.000	↔	2025-02-27	0.858
16_5_111	MW-18C	Part 115	Copper	mg/l	10	10	100%	-0.000154	0.310	↔	-0.0000000000000196	1.000	↔	2025-02-27	0.292
16_5_119	MW-18C	Part 115	Nickel	mg/l	10	1	10%	-0.0000948	0.313	↔	0.0000210	0.781	↔	2025-05-13	0.290
16_5_123	MW-18C	Part 115	Silver	mg/l	10	10	100%	-0.0000164	0.285	↔	-0.000000000000839	1.000	↔	2025-02-27	0.316
16_5_128	MW-18C	Part 115	Vanadium	mg/l	10	10	100%	-0.0000354	0.005	↓	-0.00000000000000255	1.000	↔	2025-02-27	0.858
16_5_129	MW-18C	Part 115	Zinc	mg/l	10	7	70%	-0.0000236	0.326	↔	-0.00000289	0.922	↔	2025-06-03	0.273
17_2_105	MW-18D	Appendix III	Boron	mg/l	10	0	0%	0.00475	0.301	↔	-0.00213	0.143	↔	2025-02-26	0.432
17_2_107	MW-18D	Appendix III	Calcium	mg/l	10	0	0%	-0.398	0.182	↔	0.0522	0.822	↔	2025-05-14	0.455
17_2_108	MW-18D	Appendix III	Chloride	mg/l	10	0	0%	-0.201	0.052	↔	0.0481	0.668	↔	2025-06-10	0.610
17_2_120	MW-18D	Appendix III	pH, Field	su	12	0	0%	0.00389	0.324	↔	-0.000327	0.170	↔	2024-11-27	0.330
17_2_124	MW-18D	Appendix III	Sulfate	mg/l	10	0	0%	-1.32	0.146	↔	0.162	0.815	↔	2025-05-11	0.498
17_2_126	MW-18D	Appendix III	Total Dissolved Solids	mg/l	10	1	10%	-2.48	0.028	↔	1.44	0.436	↔	2025-07-08	0.625
17_3_101	MW-18D	Appendix IV	Antimony	mg/l	10	10	100%	-0.0000375	0.005	↓	-0.00000000000000161	1.000	↔	2025-02-27	0.858
17_3_102	MW-18D	Appendix IV	Arsenic	mg/l	10	10	100%	-0.0000106	0.005	↓	-0.000000000000290	1.000	↔	2025-02-27	0.858

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
17_3_103	MW-18D	Appendix IV	Barium	mg/l	10	0	0%	-0.000116	0.026	↔	0.0000246	0.647	↔	2025-06-10	0.698
17_3_104	MW-18D	Appendix IV	Beryllium	mg/l	10	10	100%	-0.00000617	0.005	↓	-0.0000000000123	1.000	↔	2025-02-27	0.858
17_3_106	MW-18D	Appendix IV	Cadmium	mg/l	10	10	100%	-0.0000161	0.290	↔	-0.0000000000152	1.000	↔	2025-02-27	0.311
17_3_109	MW-18D	Appendix IV	Chromium	mg/l	10	10	100%	-0.000158	0.299	↔	0.000000000000526	1.000	↔	2025-02-27	0.302
17_3_110	MW-18D	Appendix IV	Cobalt	mg/l	10	6	60%	-0.0000411	0.006	↓	0.00000115	0.824	↔	2025-03-02	0.854
17_3_115	MW-18D	Appendix IV	Lead	mg/l	10	10	100%	-0.0000216	0.005	↓	-0.000000000000475	1.000	↔	2025-02-27	0.858
17_3_116	MW-18D	Appendix IV	Lithium	mg/l	10	0	0%	-0.000155	0.009	↓	0.0000476	0.402	↔	2025-07-07	0.821
17_3_117	MW-18D	Appendix IV	Mercury	mg/l	10	9	90%	-0.000000592	0.005	↓	0.0000000000000268	1.000	↔	2025-02-27	0.858
17_3_118	MW-18D	Appendix IV	Molybdenum	mg/l	10	0	0%	-0.000256	0.022	↔	0.0000703	0.534	↔	2025-06-28	0.742
17_3_121	MW-18D	Appendix IV	Radium-226+228	pci/l	10	3	30%	-0.0181	0.178	↔	0.00131	0.834	↔	2025-03-27	0.504
17_3_122	MW-18D	Appendix IV	Selenium	mg/l	10	10	100%	-0.0000348	0.005	↓	-0.000000000000000309	1.000	↔	2025-02-27	0.858
17_3_125	MW-18D	Appendix IV	Thallium	mg/l	10	10	100%	-0.0000126	0.005	↓	-0.000000000000552	1.000	↔	2025-02-27	0.858
17_5_111	MW-18D	Part 115	Copper	mg/l	10	10	100%	-0.000154	0.310	↔	-0.0000000000000196	1.000	↔	2025-02-27	0.292
17_5_119	MW-18D	Part 115	Nickel	mg/l	10	1	10%	-0.000136	0.361	↔	0.00000348	0.962	↔	2025-03-10	0.267
17_5_123	MW-18D	Part 115	Silver	mg/l	10	10	100%	-0.0000164	0.285	↔	-0.000000000000839	1.000	↔	2025-02-27	0.316
17_5_128	MW-18D	Part 115	Vanadium	mg/l	10	10	100%	-0.0000354	0.005	↓	-0.00000000000000255	1.000	↔	2025-02-27	0.858
17_5_129	MW-18D	Part 115	Zinc	mg/l	10	7	70%	0.0000131	0.888	↔	-0.0000204	0.216	↔	2025-01-22	0.280
18_2_105	MW-19C	Appendix III	Boron	mg/l	9	0	0%	0.00903	0.001	↑	-0.00324	0.027	↔	2025-09-08	0.930
18_2_107	MW-19C	Appendix III	Calcium	mg/l	9	0	0%	-0.194	0.062	↔	0.00111	0.926	↔	2025-06-21	0.709
18_2_120	MW-19C	Appendix III	pH, Field	su	9	0	0%	0.00183	0.190	↔	-0.00119	0.238	↔	2025-09-06	0.451
18_2_124	MW-19C	Appendix III	Sulfate	mg/l	9	0	0%	-0.261	0.000	↓	-0.00474	0.135	↔	2025-07-01	0.993
18_2_126	MW-19C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	0.113	0.658	↔	-0.203	0.599	↔	2025-11-03	0.098
18_3_102	MW-19C	Appendix IV	Arsenic	mg/l	9	6	67%	0.00000147	0.191	↔	-0.00000180	0.271	↔	2025-09-30	0.464
18_3_103	MW-19C	Appendix IV	Barium	mg/l	9	0	0%	-0.000225	0.001	↓	-0.0000210	0.117	↔	2025-07-26	0.970
18_3_110	MW-19C	Appendix IV	Cobalt	mg/l	9	7	78%	-0.00000122	0.000	↓	0.00000000759	0.647	↔	2025-06-17	0.976
18_3_116	MW-19C	Appendix IV	Lithium	mg/l	9	0	0%	0.00000407	0.757	↔	-0.0000341	0.437	↔	2025-11-16	0.302
18_3_118	MW-19C	Appendix IV	Molybdenum	mg/l	9	7	78%	-0.0000126	0.001	↓	0.00000000000869	1.000	↔	2025-07-28	0.957
18_3_121	MW-19C	Appendix IV	Radium-226+228	pci/l	9	2	22%	0.00220	0.291	↔	-0.00333	0.852	↔	2025-12-09	0.230
18_5_114	MW-19C	Part 115	Iron	mg/l	9	0	0%	-0.00271	0.045	↔	0.000588	0.470	↔	2025-09-01	0.694
18_5_129	MW-19C	Part 115	Zinc	mg/l	9	5	56%	-0.00000653	0.317	↔	0.0000576	0.329	↔	2026-01-05	0.342
19_2_124	MW-19D	Appendix III	Sulfate	mg/l	9	0	0%	0.192	0.001	↑	0.00532	0.180	↔	2025-06-19	0.968
19_2_126	MW-19D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	-5.56	0.000	↓	0.0217	0.830	↔	2025-06-17	0.958
19_3_102	MW-19D	Appendix IV	Arsenic	mg/l	9	8	89%	-0.0000181	0.121	↔	0.000000796	0.583	↔	2025-07-19	0.812
19_3_104	MW-19D	Appendix IV	Beryllium	mg/l	9	8	89%	-0.00000617	0.121	↔	0.000000271	0.583	↔	2025-07-19	0.812
19_3_110	MW-19D	Appendix IV	Cobalt	mg/l	9	8	89%	-0.0000243	0.121	↔	0.00000107	0.583	↔	2025-07-19	0.812
19_3_116	MW-19D	Appendix IV	Lithium	mg/l	9	0	0%	-0.00000408	0.546	↔	-0.000310	0.003	↓	2026-01-07	0.943
19_3_118	MW-19D	Appendix IV	Molybdenum	mg/l	9	0	0%	0.00000481	0.097	↔	-0.00000593	0.019	↔	2025-09-13	0.778
19_3_121	MW-19D	Appendix IV	Radium-226+228	pci/l	9	5	56%	-0.0303	0.053	↔	0.00103	0.566	↔	2025-06-21	0.699
19_5_111	MW-19D	Part 115	Copper	mg/l	9	8	89%	0.0000647	0.469	↔	-0.0000423	0.205	↔	2025-08-25	0.362
19_5_114	MW-19D	Part 115	Iron	mg/l	9	0	0%	-0.0844	0.000	↓	0.00179	0.008	↑	2025-06-21	0.997
19_5_129	MW-19D	Part 115	Zinc	mg/l	9	6	67%	-0.000158	0.000	↓	-0.0000000310	0.663	↔	2025-07-07	1.000
20_2_105	MW-100C	Appendix III	Boron	mg/l	12	0	0%	0.00386	0.006	↑	0.0000605	0.323	↔	2023-08-16	0.828

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
20_2_107	MW-100C	Appendix III	Calcium	mg/l	12	0	0%	0.0386	0.020	↔	-0.00342	0.115	↔	2023-10-23	0.643
20_2_108	MW-100C	Appendix III	Chloride	mg/l	12	0	0%	-0.0857	0.000	↓	-0.00366	0.000	↓	2023-09-09	0.984
20_2_112	MW-100C	Appendix III	Fluoride	mg/l	12	7	58%	-0.00151	0.089	↔	0.0000330	0.977	↔	2024-08-07	0.502
20_2_124	MW-100C	Appendix III	Sulfate	mg/l	12	0	0%	-0.200	0.001	↓	-0.00564	0.028	↔	2023-09-02	0.946
20_3_101	MW-100C	Appendix IV	Antimony	mg/l	12	12	100%	0.000000000132	1.000	↔	-0.00000729	0.001	↓	2024-02-06	0.867
20_3_103	MW-100C	Appendix IV	Barium	mg/l	12	0	0%	0.000429	0.088	↔	-0.0000396	0.000	↓	2023-07-16	0.866
20_3_104	MW-100C	Appendix IV	Beryllium	mg/l	12	12	100%	0.0000000000196	1.000	↔	-0.00000120	0.001	↓	2024-02-06	0.867
20_3_106	MW-100C	Appendix IV	Cadmium	mg/l	12	12	100%	0.0000000156	0.973	↔	-0.000000691	0.001	↓	2024-01-30	0.866
20_3_109	MW-100C	Appendix IV	Chromium	mg/l	12	12	100%	0.00000000000421	1.000	↔	-0.00000625	0.001	↓	2024-02-06	0.867
20_3_110	MW-100C	Appendix IV	Cobalt	mg/l	12	12	100%	0.00000000000448	1.000	↔	-0.00000809	0.001	↓	2024-02-06	0.867
20_3_113	MW-100C	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	-0.00151	0.089	↔	0.0000330	0.977	↔	2024-08-07	0.502
20_3_116	MW-100C	Appendix IV	Lithium	mg/l	12	0	0%	0.0000524	0.054	↔	-0.00000123	0.369	↔	2023-09-17	0.754
20_3_117	MW-100C	Appendix IV	Mercury	mg/l	12	12	100%	-0.00000000000000661	1.000	↔	-0.000000115	0.001	↓	2024-02-06	0.867
20_3_118	MW-100C	Appendix IV	Molybdenum	mg/l	12	7	58%	-0.0000103	0.002	↓	-0.000000617	0.952	↔	2025-02-05	0.836
20_3_121	MW-100C	Appendix IV	Radium-226+228	pci/l	12	1	8%	0.00197	0.263	↔	-0.00197	0.065	↔	2024-05-23	0.469
20_3_122	MW-100C	Appendix IV	Selenium	mg/l	12	12	100%	-0.00000000000456	1.000	↔	-0.00000676	0.001	↓	2024-02-06	0.867
20_3_125	MW-100C	Appendix IV	Thallium	mg/l	12	12	100%	0.000000190	0.906	↔	-0.00000238	0.001	↓	2024-01-09	0.866
20_5_111	MW-100C	Part 115	Copper	mg/l	12	12	100%	0.00000000000432	1.000	↔	-0.00000543	0.001	↓	2024-02-06	0.867
20_5_119	MW-100C	Part 115	Nickel	mg/l	12	12	100%	0.00000000000143	1.000	↔	-0.00000576	0.001	↓	2024-02-06	0.867
20_5_123	MW-100C	Part 115	Silver	mg/l	12	12	100%	0.000000000000205	1.000	↔	-0.000000735	0.001	↓	2024-02-06	0.867
20_5_128	MW-100C	Part 115	Vanadium	mg/l	12	12	100%	-0.00000000000966	1.000	↔	-0.00000688	0.001	↓	2024-02-06	0.867
20_5_129	MW-100C	Part 115	Zinc	mg/l	12	9	75%	0.0000137	0.519	↔	-0.00000776	0.004	↓	2023-10-22	0.697
21_2_105	MW-100D	Appendix III	Boron	mg/l	12	0	0%	-0.00312	0.044	↔	0.000349	0.646	↔	2024-08-06	0.777
21_2_112	MW-100D	Appendix III	Fluoride	mg/l	12	5	42%	-0.00302	0.004	↓	0.000635	0.166	↔	2024-02-11	0.713
21_2_124	MW-100D	Appendix III	Sulfate	mg/l	12	1	8%	0.122	0.079	↔	0.0305	0.733	↔	2024-08-15	0.625
21_3_101	MW-100D	Appendix IV	Antimony	mg/l	12	12	100%	0.000000000132	1.000	↔	-0.00000729	0.001	↓	2024-02-06	0.867
21_3_102	MW-100D	Appendix IV	Arsenic	mg/l	12	2	17%	0.0000143	0.090	↔	-0.00000145	0.008	↓	2023-09-03	0.690
21_3_103	MW-100D	Appendix IV	Barium	mg/l	12	0	0%	0.0000155	0.121	↔	-0.00000924	0.488	↔	2024-08-07	0.315
21_3_104	MW-100D	Appendix IV	Beryllium	mg/l	12	12	100%	0.0000000000196	1.000	↔	-0.00000120	0.001	↓	2024-02-06	0.867
21_3_106	MW-100D	Appendix IV	Cadmium	mg/l	12	12	100%	0.0000000156	0.973	↔	-0.000000691	0.001	↓	2024-01-30	0.866
21_3_109	MW-100D	Appendix IV	Chromium	mg/l	12	12	100%	0.00000000000421	1.000	↔	-0.00000625	0.001	↓	2024-02-06	0.867
21_3_110	MW-100D	Appendix IV	Cobalt	mg/l	12	10	83%	-0.000000000316	1.000	↔	-0.00000763	0.002	↓	2024-01-31	0.852
21_3_113	MW-100D	Appendix IV	Fluoride (App IV)	mg/l	12	5	42%	-0.00302	0.004	↓	0.000635	0.166	↔	2024-02-11	0.713
21_3_117	MW-100D	Appendix IV	Mercury	mg/l	12	12	100%	-0.00000000000000661	1.000	↔	-0.000000115	0.001	↓	2024-02-06	0.867
21_3_118	MW-100D	Appendix IV	Molybdenum	mg/l	12	1	8%	-0.00000507	0.381	↔	-0.00000214	0.790	↔	2025-02-04	0.383
21_3_122	MW-100D	Appendix IV	Selenium	mg/l	12	12	100%	-0.00000000000456	1.000	↔	-0.00000676	0.001	↓	2024-02-06	0.867
21_3_125	MW-100D	Appendix IV	Thallium	mg/l	12	12	100%	0.000000190	0.906	↔	-0.00000238	0.001	↓	2024-01-09	0.866
21_5_111	MW-100D	Part 115	Copper	mg/l	12	12	100%	0.00000000000432	1.000	↔	-0.00000543	0.001	↓	2024-02-06	0.867
21_5_114	MW-100D	Part 115	Iron	mg/l	12	0	0%	-0.00131	0.548	↔	0.000146	0.644	↔	2023-11-26	0.119
21_5_119	MW-100D	Part 115	Nickel	mg/l	12	11	92%	-0.000000000000369	1.000	↔	-0.00000559	0.001	↓	2024-02-06	0.864
21_5_123	MW-100D	Part 115	Silver	mg/l	12	12	100%	0.000000000000205	1.000	↔	-0.000000735	0.001	↓	2024-02-06	0.867
21_5_128	MW-100D	Part 115	Vanadium	mg/l	12	12	100%	-0.00000000000966	1.000	↔	-0.00000688	0.001	↓	2024-02-06	0.867

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
21_5_129	MW-100D	Part 115	Zinc	mg/l	12	10	83%	-0.00000317	0.173	↔	0.00000454	0.172	↔	2025-02-04	0.424

Table 10: Trend Tests: Piecewise Linear-Linear-Linear

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
11_2_108	MW-7B	Appendix III	Chloride	mg/l	15	10	67%	0.00114	0.304	↔	0.0125	0.002	↑	-0.00121	0.155	↔	2024-03-14	2023-05-22	0.981
11_2_120	MW-7B	Appendix III	pH, Field	su	15	0	0%	-0.00352	0.089	↔	0.00122	0.529	↔	-0.0000393	0.801	↔	2022-07-04	2023-02-07	0.441
11_3_102	MW-7B	Appendix IV	Arsenic	mg/l	15	12	80%	0.000000275	0.829	↔	-0.00000150	0.505	↔	-0.00000375	0.421	↔	2024-01-29	2025-08-05	0.432
11_3_103	MW-7B	Appendix IV	Barium	mg/l	15	0	0%	-0.0000129	0.321	↔	-0.00000228	0.077	↔	-0.000000232	0.882	↔	2022-06-22	2024-04-17	0.790
11_3_104	MW-7B	Appendix IV	Beryllium	mg/l	15	14	93%	-0.0000000000000265	1.000	↔	0.0000000000000116	1.000	↔	-0.00000120	0.005	↓	2022-05-11	2024-02-06	0.875
11_3_106	MW-7B	Appendix IV	Cadmium	mg/l	15	14	93%	0.000000103	0.519	↔	-0.000000768	0.019	↔	-0.0000000904	0.874	↔	2023-11-24	2025-06-23	0.883
11_3_110	MW-7B	Appendix IV	Cobalt	mg/l	15	14	93%	-0.00000000000420	1.000	↔	0.00000000000611	1.000	↔	-0.00000807	0.005	↓	2022-08-12	2024-02-06	0.875
11_3_115	MW-7B	Appendix IV	Lead	mg/l	15	14	93%	0.0000263	0.632	↔	-0.00000590	0.472	↔	-0.00000232	0.624	↔	2022-06-22	2023-10-22	0.363
11_3_117	MW-7B	Appendix IV	Mercury	mg/l	15	15	100%	-0.000000000000735	1.000	↔	0.000000000000783	1.000	↔	-0.000000115	0.005	↓	2022-07-15	2024-02-06	0.875
11_3_118	MW-7B	Appendix IV	Molybdenum	mg/l	15	15	100%	-0.000000000000904	1.000	↔	0.00000000000322	1.000	↔	-0.00000641	0.005	↓	2022-12-04	2024-02-06	0.875
11_3_125	MW-7B	Appendix IV	Thallium	mg/l	15	15	100%	0.000000285	0.239	↔	-0.00000530	0.002	↓	0.000000318	0.794	↔	2024-04-26	2025-03-23	0.961
11_5_111	MW-7B	Part 115	Copper	mg/l	15	15	100%	0.000000454	0.736	↔	-0.00000635	0.187	↔	-0.00000464	0.077	↔	2023-12-26	2024-09-26	0.876
11_5_123	MW-7B	Part 115	Silver	mg/l	15	15	100%	0.0000000595	0.542	↔	-0.00000109	0.054	↔	0.000000280	0.581	↔	2024-03-07	2025-07-12	0.926
11_5_128	MW-7B	Part 115	Vanadium	mg/l	15	15	100%	-0.0000000000000920	1.000	↔	0.000000000000582	1.000	↔	-0.00000687	0.005	↓	2023-02-27	2024-02-06	0.875
11_5_129	MW-7B	Part 115	Zinc	mg/l	15	14	93%	0.0000000000000376	1.000	↔	-0.0000000000000174	1.000	↔	-0.00000679	0.003	↓	2022-05-14	2024-02-19	0.885
12_2_105	MW-16C	Appendix III	Boron	mg/l	14	0	0%	-0.0000434	0.757	↔	0.000187	0.391	↔	-0.0000871	0.013	↔	2023-07-05	2024-01-09	0.621
12_2_120	MW-16C	Appendix III	pH, Field	su	14	0	0%	-0.00212	0.042	↔	0.00135	0.085	↔	-0.000380	0.019	↔	2023-07-01	2023-12-20	0.747
12_2_124	MW-16C	Appendix III	Sulfate	mg/l	14	0	0%	-0.234	0.000	↓	0.00592	0.000	↑	-0.0115	0.017	↔	2023-03-26	2025-06-23	0.985
12_3_102	MW-16C	Appendix IV	Arsenic	mg/l	14	11	79%	-0.00000222	0.373	↔	0.00000483	0.799	↔	-0.00000301	0.005	↓	2023-09-16	2024-01-31	0.746
12_3_103	MW-16C	Appendix IV	Barium	mg/l	14	0	0%	-0.000137	0.001	↓	-0.0000135	0.758	↔	-0.00000561	0.616	↔	2023-08-10	2024-08-05	0.901
12_3_104	MW-16C	Appendix IV	Beryllium	mg/l	14	14	100%	0.000000138	0.422	↔	-0.00000304	0.000	↓	0.000000634	0.183	↔	2024-06-22	2025-04-25	0.980
12_3_106	MW-16C	Appendix IV	Cadmium	mg/l	14	14	100%	0.000000129	0.488	↔	-0.00000108	0.049	↔	0.000000152	0.756	↔	2024-02-27	2025-05-25	0.930
12_3_109	MW-16C	Appendix IV	Chromium	mg/l	14	13	93%	-0.00000302	0.817	↔	0.00000869	0.279	↔	-0.0000150	0.081	↔	2023-08-18	2024-08-06	0.604
12_3_115	MW-16C	Appendix IV	Lead	mg/l	14	14	100%	0.00000000000335	1.000	↔	-0.00000000000446	1.000	↔	-0.00000416	0.008	↓	2023-05-23	2024-02-04	0.873
12_3_116	MW-16C	Appendix IV	Lithium	mg/l	14	0	0%	-0.0000851	0.043	↔	0.00000862	0.107	↔	-0.00000650	0.053	↔	2023-03-21	2024-05-30	0.647
12_3_117	MW-16C	Appendix IV	Mercury	mg/l	14	14	100%	-0.000000000605	0.942	↔	0.000000400	0.000	↑	0.0000000471	0.060	↔	2025-03-25	2024-08-04	0.995
12_3_118	MW-16C	Appendix IV	Molybdenum	mg/l	14	11	79%	-0.0000242	0.115	↔	-0.0000000000000825	1.000	↔	-0.00000636	0.058	↔	2023-06-05	2024-02-04	0.823
12_3_125	MW-16C	Appendix IV	Thallium	mg/l	14	14	100%	0.000000000000110	1.000	↔	-0.0000000000000728	1.000	↔	-0.00000243	0.008	↓	2023-04-09	2024-02-04	0.873
12_5_111	MW-16C	Part 115	Copper	mg/l	14	14	100%	0.00000111	0.447	↔	-0.00000878	0.043	↔	-0.000000391	0.918	↔	2024-02-21	2025-03-25	0.929
12_5_119	MW-16C	Part 115	Nickel	mg/l	14	14	100%	0.000000979	0.279	↔	0.0000172	0.001	↑	0.00000222	0.351	↔	2025-04-12	2024-06-02	0.977
12_5_123	MW-16C	Part 115	Silver	mg/l	14	14	100%	0.000000162	0.276	↔	-0.00000157	0.003	↓	0.000000108	0.778	↔	2024-04-25	2025-03-26	0.962
13_2_107	MW-16D	Appendix III	Calcium	mg/l	14	0	0%	-0.00496	0.623	↔	0.00427	0.156	↔	-0.00569	0.003	↓	2023-05-03	2024-07-02	0.737
13_2_108	MW-16D	Appendix III	Chloride	mg/l	14	0	0%	0.0257	0.002	↑	-0.0130	0.357	↔	-0.000386	0.313	↔	2023-05-07	2023-08-06	0.794
13_2_112	MW-16D	Appendix III	Fluoride	mg/l	14	8	57%	0.0000658	0.979	↔	-0.00228	0.273	↔	0.000514	0.196	↔	2023-05-30	2024-01-31	0.556

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
13_2_120	MW-16D	Appendix III	pH, Field	su	14	0	0%	-0.00118	0.105	↔	0.00182	0.390	↔	-0.000361	0.066	↔	2023-08-30	2024-01-31	0.541
13_2_126	MW-16D	Appendix III	Total Dissolved Solids	mg/l	14	0	0%	0.191	0.053	↔	-0.0525	0.593	↔	-0.0196	0.094	↔	2023-05-30	2023-10-20	0.640
13_3_102	MW-16D	Appendix IV	Arsenic	mg/l	14	3	21%	0.0000181	0.454	↔	0.000000498	0.876	↔	-0.00000163	0.408	↔	2023-04-24	2024-02-26	0.413
13_3_103	MW-16D	Appendix IV	Barium	mg/l	14	0	0%	-0.0000109	0.129	↔	-0.00000234	0.910	↔	-0.00000805	0.001	↓	2023-08-08	2024-01-27	0.909
13_3_104	MW-16D	Appendix IV	Beryllium	mg/l	14	14	100%	0.000000138	0.422	↔	-0.00000304	0.000	↓	0.000000634	0.183	↔	2024-06-22	2025-04-25	0.980
13_3_106	MW-16D	Appendix IV	Cadmium	mg/l	14	14	100%	0.000000129	0.488	↔	-0.00000108	0.049	↔	0.000000152	0.756	↔	2024-02-27	2025-05-25	0.930
13_3_109	MW-16D	Appendix IV	Chromium	mg/l	14	14	100%	0.00000000000592	1.000	↔	-0.00000000000728	1.000	↔	-0.00000619	0.008	↓	2023-05-18	2024-02-04	0.873
13_3_113	MW-16D	Appendix IV	Fluoride (App IV)	mg/l	14	8	57%	0.0000658	0.979	↔	-0.00228	0.273	↔	0.000514	0.196	↔	2023-05-30	2024-01-31	0.556
13_3_115	MW-16D	Appendix IV	Lead	mg/l	14	14	100%	0.00000000000335	1.000	↔	-0.00000000000446	1.000	↔	-0.00000416	0.008	↓	2023-05-23	2024-02-04	0.873
13_3_116	MW-16D	Appendix IV	Lithium	mg/l	14	0	0%	-0.000202	0.000	↓	0.0000715	0.157	↔	0.000000565	0.660	↔	2023-04-25	2023-07-26	0.937
13_3_117	MW-16D	Appendix IV	Mercury	mg/l	14	14	100%	-0.000000000605	0.942	↔	0.000000400	0.000	↑	0.0000000471	0.060	↔	2025-03-25	2024-08-04	0.995
13_3_118	MW-16D	Appendix IV	Molybdenum	mg/l	14	0	0%	0.000132	0.000	↑	-0.0000152	0.546	↔	-0.00000239	0.004	↓	2023-03-26	2023-06-13	0.925
13_3_122	MW-16D	Appendix IV	Selenium	mg/l	14	13	93%	0.00000186	0.287	↔	0.0000153	0.042	↔	-0.000000845	0.851	↔	2025-02-14	2024-04-06	0.941
13_3_125	MW-16D	Appendix IV	Thallium	mg/l	14	14	100%	0.000000000000110	1.000	↔	-0.0000000000000728	1.000	↔	-0.00000243	0.008	↓	2023-04-09	2024-02-04	0.873
13_5_111	MW-16D	Part 115	Copper	mg/l	14	13	93%	-0.000106	0.001	↓	0.000000000000000634	1.000	↔	-0.00000538	0.008	↓	2023-03-21	2024-02-04	0.942
13_5_114	MW-16D	Part 115	Iron	mg/l	14	0	0%	0.000993	0.007	↑	-0.000815	0.289	↔	0.000330	0.662	↔	2024-06-10	2025-05-05	0.747
13_5_119	MW-16D	Part 115	Nickel	mg/l	14	14	100%	0.000000979	0.279	↔	0.0000172	0.001	↑	0.00000222	0.351	↔	2025-04-12	2024-06-02	0.977
13_5_123	MW-16D	Part 115	Silver	mg/l	14	14	100%	0.000000162	0.276	↔	-0.00000157	0.003	↓	0.000000108	0.778	↔	2024-04-25	2025-03-26	0.962
13_5_129	MW-16D	Part 115	Zinc	mg/l	14	1	7%	0.000533	0.738	↔	-0.00158	0.042	↔	0.00000781	0.897	↔	2023-04-18	2023-08-15	0.760
14_2_105	MW-17D	Appendix III	Boron	mg/l	9	0	0%	0.00277	0.499	↔	-0.00571	0.750	↔	0.000000000000386	1.000	↔	2025-05-27	2025-08-22	0.247
14_2_107	MW-17D	Appendix III	Calcium	mg/l	9	0	0%	0.312	0.709	↔	0.527	0.550	↔	0.142	0.486	↔	2025-09-02	2024-11-15	0.321
14_3_101	MW-17D	Appendix IV	Antimony	mg/l	9	7	78%	0.0000105	0.828	↔	0.0000595	0.321	↔	0.00000199	0.783	↔	2025-03-05	2024-11-13	0.902
14_3_103	MW-17D	Appendix IV	Barium	mg/l	9	0	0%	0.000619	0.124	↔	-0.000250	0.189	↔	0.0000374	0.452	↔	2024-11-13	2025-03-14	0.796
14_3_104	MW-17D	Appendix IV	Beryllium	mg/l	9	9	100%	-0.00000701	0.282	↔	-0.00000135	0.596	↔	0.000000186	0.928	↔	2025-01-10	2025-07-12	0.796
14_3_106	MW-17D	Appendix IV	Cadmium	mg/l	9	8	89%	-0.0000174	0.721	↔	-0.00000457	0.963	↔	0.000000378	0.979	↔	2025-01-18	2025-05-30	0.288
14_3_110	MW-17D	Appendix IV	Cobalt	mg/l	9	8	89%	-0.0000107	0.847	↔	-0.0000599	0.102	↔	0.00000526	0.535	↔	2024-12-12	2025-03-13	0.895
14_3_115	MW-17D	Appendix IV	Lead	mg/l	9	9	100%	-0.00000925	0.542	↔	-0.0000355	0.285	↔	0.00000114	0.793	↔	2024-12-25	2025-02-27	0.894
14_3_118	MW-17D	Appendix IV	Molybdenum	mg/l	9	1	11%	-0.000280	0.560	↔	-0.0000189	0.993	↔	0.0000218	0.964	↔	2025-02-27	2025-08-05	0.225
14_3_125	MW-17D	Appendix IV	Thallium	mg/l	9	9	100%	0.00000333	0.755	↔	-0.0000272	0.068	↔	0.000000608	0.581	↔	2024-12-05	2025-02-09	0.959
15_2_108	MW-17E	Appendix III	Chloride	mg/l	9	0	0%	0.0801	0.595	↔	-0.0533	0.494	↔	0.0558	0.069	↔	2024-11-19	2025-05-22	0.747
15_2_120	MW-17E	Appendix III	pH, Field	su	11	0	0%	0.00110	0.867	↔	-0.000386	0.814	↔	-0.00397	0.479	↔	2025-01-22	2025-10-02	0.458
15_3_104	MW-17E	Appendix IV	Beryllium	mg/l	9	9	100%	-0.00000701	0.282	↔	-0.00000135	0.596	↔	0.000000186	0.928	↔	2025-01-10	2025-07-12	0.796
15_3_110	MW-17E	Appendix IV	Cobalt	mg/l	9	8	89%	-0.0000416	0.057	↔	0.000000000278	1.000	↔	0.00000101	0.948	↔	2025-02-27	2025-09-10	0.849
15_3_115	MW-17E	Appendix IV	Lead	mg/l	9	9	100%	-0.00000925	0.542	↔	-0.0000355	0.285	↔	0.00000114	0.793	↔	2024-12-25	2025-02-27	0.894
15_3_116	MW-17E	Appendix IV	Lithium	mg/l	9	0	0%	-0.0000579	0.250	↔	0.00000281	0.925	↔	0.00000696	0.832	↔	2025-01-29	2025-09-10	0.560
15_3_118	MW-17E	Appendix IV	Molybdenum	mg/l	9	7	78%	-0.0000470	0.172	↔	0.0000000000214	1.000	↔	0.0000434	0.212	↔	2025-02-27	2025-09-10	0.719
15_3_121	MW-17E	Appendix IV	Radium-226+228	pci/l	9	5	56%	-0.0575	0.001	↓	-0.00448	0.159	↔	0.00143	0.137	↔	2024-12-08	2025-03-21	0.997
15_3_125	MW-17E	Appendix IV	Thallium	mg/l	9	9	100%	0.00000333	0.755	↔	-0.0000272	0.068	↔	0.000000608	0.581	↔	2024-12-05	2025-02-09	0.959
15_5_114	MW-17E	Part 115	Iron	mg/l	9	0	0%	-0.000778	0.544	↔	-0.000193	0.818	↔	0.000368	0.692	↔	2025-02-19	2025-09-03	0.441
15_5_129	MW-17E	Part 115	Zinc	mg/l	9	6	67%	0.00000311	0.957	↔	-0.0000599	0.821	↔	0.00328	0.000	↑	2025-04-21	2025-09-10	1.000
16_2_126	MW-18C	Appendix III	Total Dissolved Solids	mg/l	10	0	0%	0.346	0.844	↔	-4.29	0.596	↔	1.77	0.198	↔	2025-03-17	2025-06-24	0.613
16_3_104	MW-18C	Appendix IV	Beryllium	mg/l	10	10	100%	-0.00000215	0.762	↔	0.00000688	0.408	↔	0.000000362	0.657	↔	2025-03-06	2024-12-17	0.899

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
16_3_115	MW-18C	Appendix IV	Lead	mg/l	10	10	100%	-0.00000157	0.928	↔	0.0000429	0.139	↔	0.000000941	0.583	↔	2025-02-13	2024-12-14	0.949
16_3_117	MW-18C	Appendix IV	Mercury	mg/l	10	10	100%	0.0000000910	0.843	↔	-0.00000120	0.049	↔	0.0000000242	0.590	↔	2024-12-07	2025-02-11	0.953
16_3_121	MW-18C	Appendix IV	Radium-226+228	pci/l	10	0	0%	-0.0239	0.001	↓	0.00544	0.203	↔	0.00258	0.148	↔	2025-02-04	2025-07-02	0.967
16_3_125	MW-18C	Appendix IV	Thallium	mg/l	10	10	100%	-0.0000126	0.025	↔	0.00000000000687	1.000	↔	-0.000000000000656	1.000	↔	2025-02-27	2025-06-22	0.858
16_5_128	MW-18C	Part 115	Vanadium	mg/l	10	10	100%	0.000000459	0.989	↔	0.0000636	0.220	↔	0.00000152	0.637	↔	2025-02-19	2024-12-07	0.933
16_5_129	MW-18C	Part 115	Zinc	mg/l	10	7	70%	0.0000486	0.612	↔	-0.0000739	0.340	↔	0.00000580	0.814	↔	2025-01-22	2025-05-24	0.544
17_2_112	MW-18D	Appendix III	Fluoride	mg/l	10	1	10%	0.00376	0.156	↔	0.00205	0.064	↔	-0.000816	0.392	↔	2025-01-22	2025-08-01	0.931
17_2_120	MW-18D	Appendix III	pH, Field	su	12	0	0%	0.000824	0.412	↔	-0.00182	0.213	↔	0.000794	0.687	↔	2025-04-23	2025-09-08	0.377
17_2_126	MW-18D	Appendix III	Total Dissolved Solids	mg/l	10	1	10%	1.12	0.917	↔	-2.97	0.205	↔	1.60	0.374	↔	2024-11-29	2025-07-07	0.655
17_3_102	MW-18D	Appendix IV	Arsenic	mg/l	10	10	100%	-0.0000106	0.025	↔	0.00000000293	1.000	↔	-0.000000000305	1.000	↔	2025-02-27	2025-06-29	0.858
17_3_104	MW-18D	Appendix IV	Beryllium	mg/l	10	10	100%	-0.00000215	0.762	↔	0.00000688	0.408	↔	0.000000362	0.657	↔	2025-03-06	2024-12-17	0.899
17_3_113	MW-18D	Appendix IV	Fluoride (App IV)	mg/l	10	1	10%	0.00376	0.156	↔	0.00205	0.064	↔	-0.000816	0.392	↔	2025-01-22	2025-08-01	0.931
17_3_115	MW-18D	Appendix IV	Lead	mg/l	10	10	100%	-0.00000157	0.928	↔	0.0000429	0.139	↔	0.000000941	0.583	↔	2025-02-13	2024-12-14	0.949
17_3_117	MW-18D	Appendix IV	Mercury	mg/l	10	9	90%	0.0000000910	0.843	↔	-0.00000120	0.049	↔	0.0000000242	0.590	↔	2024-12-07	2025-02-11	0.953
17_3_121	MW-18D	Appendix IV	Radium-226+228	pci/l	10	3	30%	0.0105	0.723	↔	0.0522	0.450	↔	0.00347	0.605	↔	2025-03-21	2024-12-22	0.644
17_3_125	MW-18D	Appendix IV	Thallium	mg/l	10	10	100%	-0.0000126	0.025	↔	0.00000000000687	1.000	↔	-0.000000000000656	1.000	↔	2025-02-27	2025-06-22	0.858
17_5_128	MW-18D	Part 115	Vanadium	mg/l	10	10	100%	0.000000459	0.989	↔	0.0000636	0.220	↔	0.00000152	0.637	↔	2025-02-19	2024-12-07	0.933
17_5_129	MW-18D	Part 115	Zinc	mg/l	10	7	70%	0.0000584	0.504	↔	-0.0000989	0.183	↔	0.00000446	0.841	↔	2025-01-22	2025-04-28	0.622
18_2_105	MW-19C	Appendix III	Boron	mg/l	9	0	0%	0.0156	0.000	↑	0.00286	0.009	↑	-0.00422	0.001	↓	2025-07-02	2025-10-23	0.998
18_2_107	MW-19C	Appendix III	Calcium	mg/l	9	0	0%	-0.194	0.085	↔	0.0857	0.357	↔	-0.0180	0.397	↔	2025-07-08	2025-09-09	0.844
18_2_108	MW-19C	Appendix III	Chloride	mg/l	9	0	0%	0.0306	0.009	↑	-0.0114	0.110	↔	-0.00297	0.086	↔	2025-06-21	2025-09-20	0.973
18_2_112	MW-19C	Appendix III	Fluoride	mg/l	9	0	0%	0.000893	0.251	↔	-0.000940	0.515	↔	0.000852	0.139	↔	2025-08-11	2025-11-03	0.702
18_2_124	MW-19C	Appendix III	Sulfate	mg/l	9	0	0%	-0.261	0.001	↓	-0.0129	0.326	↔	0.00000362	1.000	↔	2025-06-29	2025-10-12	0.995
18_2_126	MW-19C	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	-0.471	0.463	↔	0.576	0.647	↔	-0.320	0.461	↔	2025-07-22	2025-10-16	0.405
18_3_102	MW-19C	Appendix IV	Arsenic	mg/l	9	6	67%	0.00000225	0.246	↔	0.00000715	0.312	↔	-0.000000205	0.945	↔	2025-11-05	2025-09-20	0.583
18_3_103	MW-19C	Appendix IV	Barium	mg/l	9	0	0%	-0.000225	0.006	↓	0.0000143	0.688	↔	-0.0000501	0.251	↔	2025-08-05	2025-11-12	0.981
18_3_113	MW-19C	Appendix IV	Fluoride (App IV)	mg/l	9	0	0%	0.000893	0.251	↔	-0.000940	0.515	↔	0.000852	0.139	↔	2025-08-11	2025-11-03	0.702
18_3_118	MW-19C	Appendix IV	Molybdenum	mg/l	9	7	78%	-0.0000126	0.013	↔	0.000000000118	1.000	↔	-0.0000000000198	1.000	↔	2025-07-28	2025-10-15	0.957
19_2_105	MW-19D	Appendix III	Boron	mg/l	9	0	0%	-0.0728	0.000	↓	0.000106	0.557	↔	-0.00109	0.297	↔	2025-06-17	2025-12-09	1.000
19_2_126	MW-19D	Appendix III	Total Dissolved Solids	mg/l	9	0	0%	-5.56	0.003	↓	0.429	0.262	↔	-0.248	0.317	↔	2025-06-22	2025-10-16	0.980
19_3_102	MW-19D	Appendix IV	Arsenic	mg/l	9	8	89%	-0.0000309	0.016	↔	0.00000651	0.383	↔	-0.000000289	0.857	↔	2025-07-03	2025-08-26	0.954
19_3_104	MW-19D	Appendix IV	Beryllium	mg/l	9	8	89%	-0.00000949	0.033	↔	0.000000425	0.518	↔	-0.000000546	0.873	↔	2025-07-02	2025-12-24	0.934
19_3_110	MW-19D	Appendix IV	Cobalt	mg/l	9	8	89%	-0.0000424	0.012	↔	0.00000708	0.437	↔	-0.000000570	0.776	↔	2025-07-01	2025-09-03	0.961
19_3_116	MW-19D	Appendix IV	Lithium	mg/l	9	0	0%	-0.00000713	0.635	↔	-0.000326	0.043	↔	-0.000300	0.027	↔	2026-01-02	2025-10-28	0.943
19_3_118	MW-19D	Appendix IV	Molybdenum	mg/l	9	0	0%	0.00000640	0.242	↔	-0.00000293	0.558	↔	-0.00000856	0.177	↔	2025-08-10	2025-12-08	0.812
19_5_111	MW-19D	Part 115	Copper	mg/l	9	8	89%	0.0000896	0.391	↔	-0.000117	0.289	↔	0.0000227	0.834	↔	2025-08-25	2025-11-11	0.549
19_5_129	MW-19D	Part 115	Zinc	mg/l	9	6	67%	-0.000158	0.000	↓	0.000000272	0.605	↔	-0.000000159	0.241	↔	2025-07-07	2025-09-29	1.000
20_2_105	MW-100C	Appendix III	Boron	mg/l	12	0	0%	0.00400	0.032	↔	0.000226	0.022	↔	-0.000549	0.094	↔	2023-08-07	2025-05-22	0.938
20_2_107	MW-100C	Appendix III	Calcium	mg/l	12	0	0%	0.0391	0.034	↔	-0.0322	0.342	↔	-0.00161	0.693	↔	2023-11-21	2024-02-07	0.692
20_2_112	MW-100C	Appendix III	Fluoride	mg/l	12	7	58%	0.0000721	0.996	↔	-0.00165	0.196	↔	0.0000819	0.951	↔	2023-08-03	2024-08-07	0.507
20_2_120	MW-100C	Appendix III	pH, Field	su	12	0	0%	-0.00254	0.153	↔	0.00197	0.442	↔	-0.0000988	0.656	↔	2023-09-24	2024-01-03	0.382
20_3_103	MW-100C	Appendix IV	Barium	mg/l	12	0	0%	0.000214	0.046	↔	-0.000121	0.018	↔	-0.0000192	0.113	↔	2023-09-09	2024-04-06	0.940

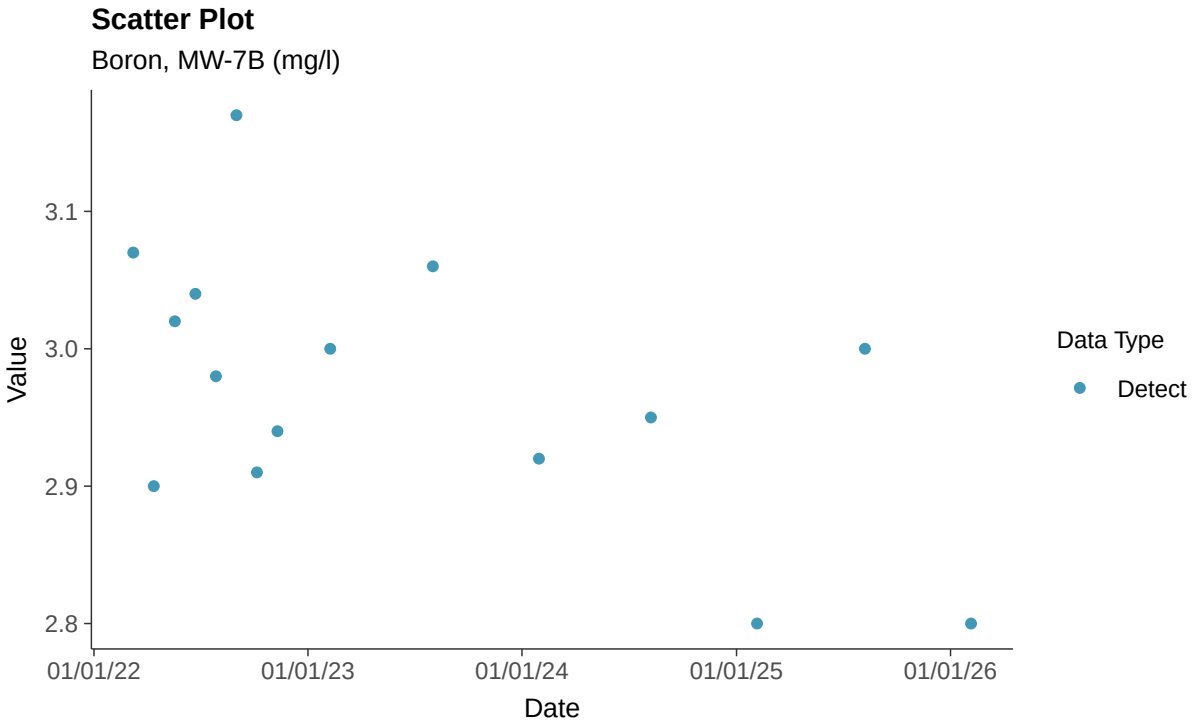
(Table continues on next page)

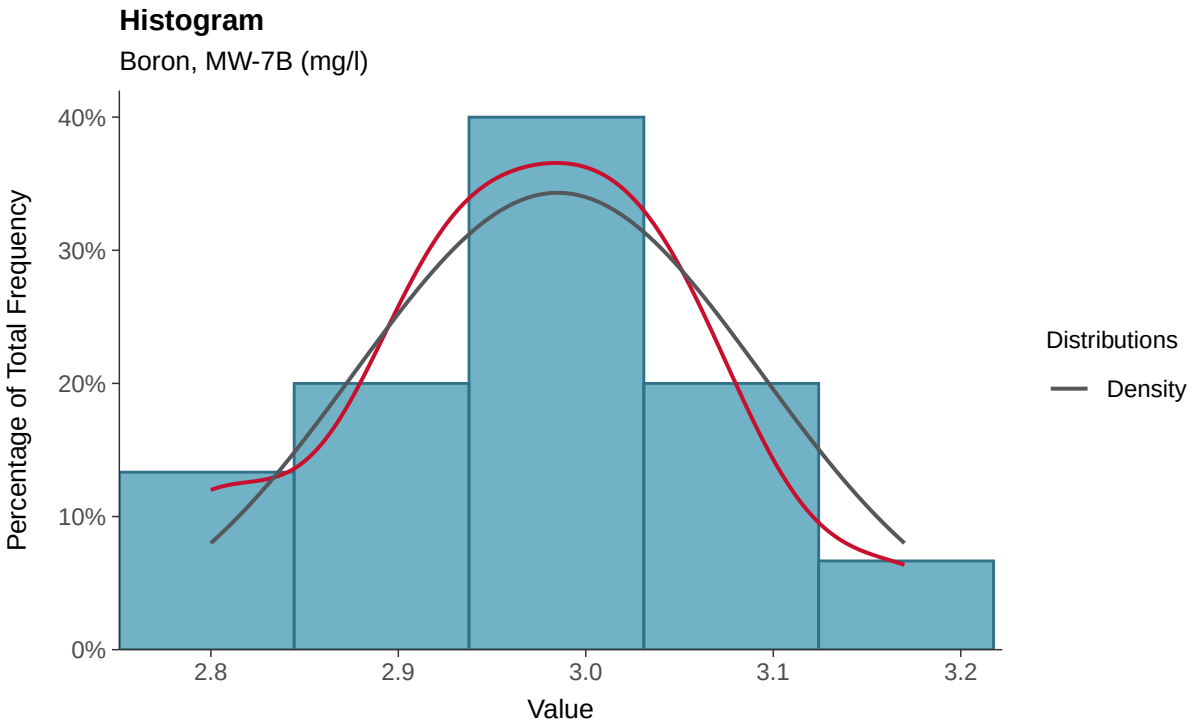
Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
20_3_104	MW-100C	Appendix IV	Beryllium	mg/l	12	12	100%	0.000000407	0.444	↔	0.00000235	0.131	↔	-0.000000257	0.781	↔	2025-02-11	2024-03-14	0.935
20_3_106	MW-100C	Appendix IV	Cadmium	mg/l	12	12	100%	0.000000196	0.561	↔	-0.00000108	0.106	↔	-0.0000000468	0.937	↔	2024-02-12	2025-04-01	0.921
20_3_109	MW-100C	Appendix IV	Chromium	mg/l	12	12	100%	-0.0000000000579	1.000	↔	0.0000000000897	1.000	↔	-0.00000625	0.005	↓	2023-08-26	2024-02-06	0.867
20_3_113	MW-100C	Appendix IV	Fluoride (App IV)	mg/l	12	7	58%	0.0000721	0.996	↔	-0.00165	0.196	↔	0.0000819	0.951	↔	2023-08-03	2024-08-07	0.507
20_3_115	MW-100C	Appendix IV	Lead	mg/l	12	12	100%	0.00000123	0.504	↔	-0.00000716	0.059	↔	0.00000118	0.714	↔	2024-03-18	2025-05-19	0.936
20_3_116	MW-100C	Appendix IV	Lithium	mg/l	12	0	0%	0.0000551	0.013	↔	-0.00000302	0.361	↔	0.00000416	0.682	↔	2023-09-18	2025-04-23	0.784
20_3_118	MW-100C	Appendix IV	Molybdenum	mg/l	12	7	58%	-0.0000369	0.098	↔	-0.00000692	0.016	↔	-0.00000263	0.729	↔	2023-09-17	2025-03-03	0.933
20_3_121	MW-100C	Appendix IV	Radium-226+228	pci/l	12	1	8%	0.00197	0.317	↔	-0.00401	0.259	↔	-0.000747	0.824	↔	2024-07-15	2025-03-11	0.514
20_3_125	MW-100C	Appendix IV	Thallium	mg/l	12	12	100%	-0.0000000000230	1.000	↔	0.0000000000362	1.000	↔	-0.00000245	0.005	↓	2023-08-27	2024-02-06	0.867
20_5_111	MW-100C	Part 115	Copper	mg/l	12	12	100%	0.000000488	0.593	↔	0.0000188	0.000	↑	0.00000253	0.150	↔	2025-04-03	2024-07-18	0.990
20_5_114	MW-100C	Part 115	Iron	mg/l	12	0	0%	0.0197	0.000	↑	-0.00600	0.009	↓	-0.000116	0.047	↔	2023-07-16	2023-10-06	0.976
20_5_119	MW-100C	Part 115	Nickel	mg/l	12	12	100%	0.00000165	0.545	↔	0.0000110	0.165	↔	0.000000300	0.950	↔	2025-04-22	2024-02-19	0.924
20_5_123	MW-100C	Part 115	Silver	mg/l	12	12	100%	0.000000258	0.680	↔	0.00000126	0.231	↔	0.000000129	0.855	↔	2025-07-23	2023-12-17	0.899
20_5_129	MW-100C	Part 115	Zinc	mg/l	12	9	75%	0.0000196	0.259	↔	-0.0000183	0.611	↔	-0.00000529	0.261	↔	2023-10-23	2024-04-06	0.729
21_2_105	MW-100D	Appendix III	Boron	mg/l	12	0	0%	-0.000384	0.843	↔	-0.0100	0.399	↔	0.000782	0.286	↔	2023-12-23	2024-04-30	0.861
21_2_112	MW-100D	Appendix III	Fluoride	mg/l	12	5	42%	-0.0000000000194	1.000	↔	-0.00702	0.045	↔	0.000740	0.024	↔	2023-10-10	2024-01-15	0.850
21_2_120	MW-100D	Appendix III	pH, Field	su	12	0	0%	0.000168	0.935	↔	0.00428	0.221	↔	0.00245	0.318	↔	2025-07-21	2023-12-04	0.699
21_3_102	MW-100D	Appendix IV	Arsenic	mg/l	12	2	17%	0.0000166	0.091	↔	-0.00000192	0.081	↔	-0.000000439	0.894	↔	2023-08-27	2025-02-05	0.713
21_3_104	MW-100D	Appendix IV	Beryllium	mg/l	12	12	100%	0.000000407	0.444	↔	0.00000235	0.131	↔	-0.000000257	0.781	↔	2025-02-11	2024-03-14	0.935
21_3_106	MW-100D	Appendix IV	Cadmium	mg/l	12	12	100%	0.000000196	0.561	↔	-0.00000108	0.106	↔	-0.0000000468	0.937	↔	2024-02-12	2025-04-01	0.921
21_3_109	MW-100D	Appendix IV	Chromium	mg/l	12	12	100%	-0.0000000000579	1.000	↔	0.0000000000897	1.000	↔	-0.00000625	0.005	↓	2023-08-26	2024-02-06	0.867
21_3_110	MW-100D	Appendix IV	Cobalt	mg/l	12	10	83%	0.00000764	0.599	↔	-0.00000824	0.021	↔	-0.000000610	0.944	↔	2023-09-21	2025-06-09	0.861
21_3_113	MW-100D	Appendix IV	Fluoride (App IV)	mg/l	12	5	42%	-0.0000000000194	1.000	↔	-0.00702	0.045	↔	0.000740	0.024	↔	2023-10-10	2024-01-15	0.850
21_3_115	MW-100D	Appendix IV	Lead	mg/l	12	12	100%	0.00000123	0.504	↔	-0.00000716	0.059	↔	0.00000118	0.714	↔	2024-03-18	2025-05-19	0.936
21_3_116	MW-100D	Appendix IV	Lithium	mg/l	12	0	0%	-0.000429	0.000	↓	0.0000286	0.627	↔	0.00000145	0.417	↔	2023-07-12	2023-10-11	0.938
21_3_118	MW-100D	Appendix IV	Molybdenum	mg/l	12	1	8%	0.000143	0.001	↑	-0.0000429	0.007	↓	-0.00000328	0.003	↓	2023-07-27	2023-11-16	0.969
21_3_125	MW-100D	Appendix IV	Thallium	mg/l	12	12	100%	-0.0000000000230	1.000	↔	0.0000000000362	1.000	↔	-0.00000245	0.005	↓	2023-08-27	2024-02-06	0.867
21_5_111	MW-100D	Part 115	Copper	mg/l	12	12	100%	0.000000488	0.593	↔	0.0000188	0.000	↑	0.00000253	0.150	↔	2025-04-03	2024-07-18	0.990
21_5_114	MW-100D	Part 115	Iron	mg/l	12	0	0%	-0.00198	0.168	↔	0.00234	0.765	↔	-0.000835	0.115	↔	2023-12-25	2024-08-06	0.577
21_5_119	MW-100D	Part 115	Nickel	mg/l	12	11	92%	0.000000000000165	1.000	↔	-0.000000000000983	1.000	↔	-0.00000559	0.006	↓	2023-10-22	2024-02-06	0.864
21_5_123	MW-100D	Part 115	Silver	mg/l	12	12	100%	0.000000258	0.680	↔	0.00000126	0.231	↔	0.000000129	0.855	↔	2025-07-23	2023-12-17	0.899
21_5_129	MW-100D	Part 115	Zinc	mg/l	12	10	83%	0.00000138	0.686	↔	-0.00000772	0.230	↔	0.00000635	0.314	↔	2024-03-31	2025-02-05	0.606

Appendix III: Boron, MW-7B

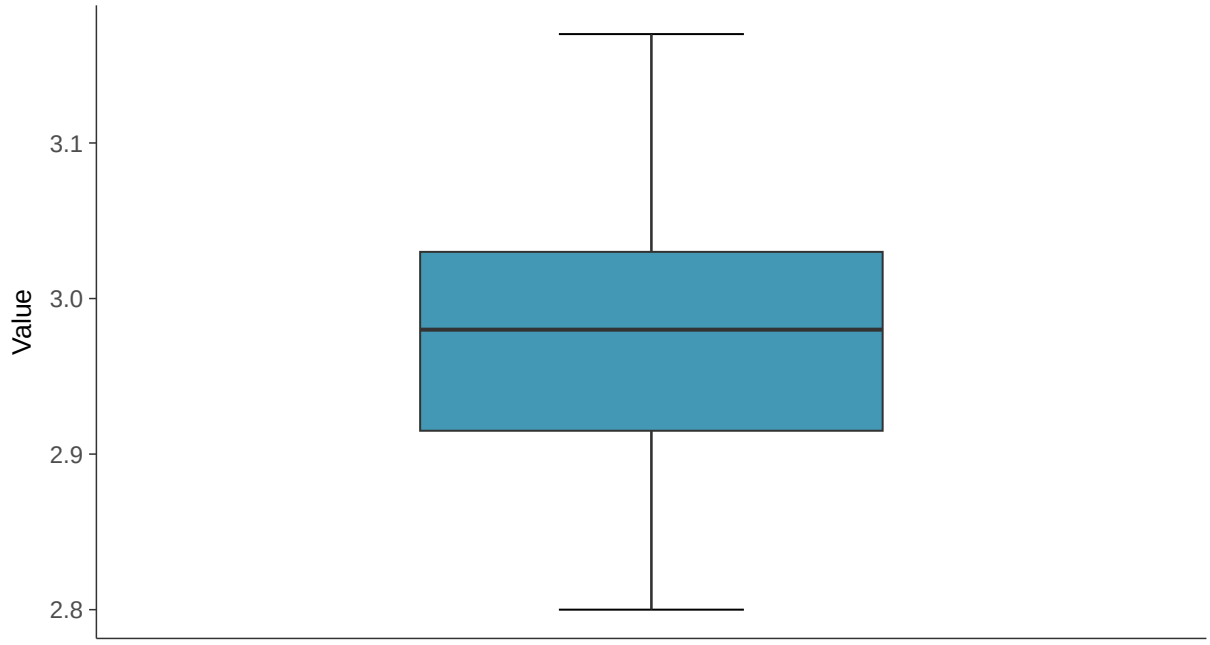
ID: 11_2_105





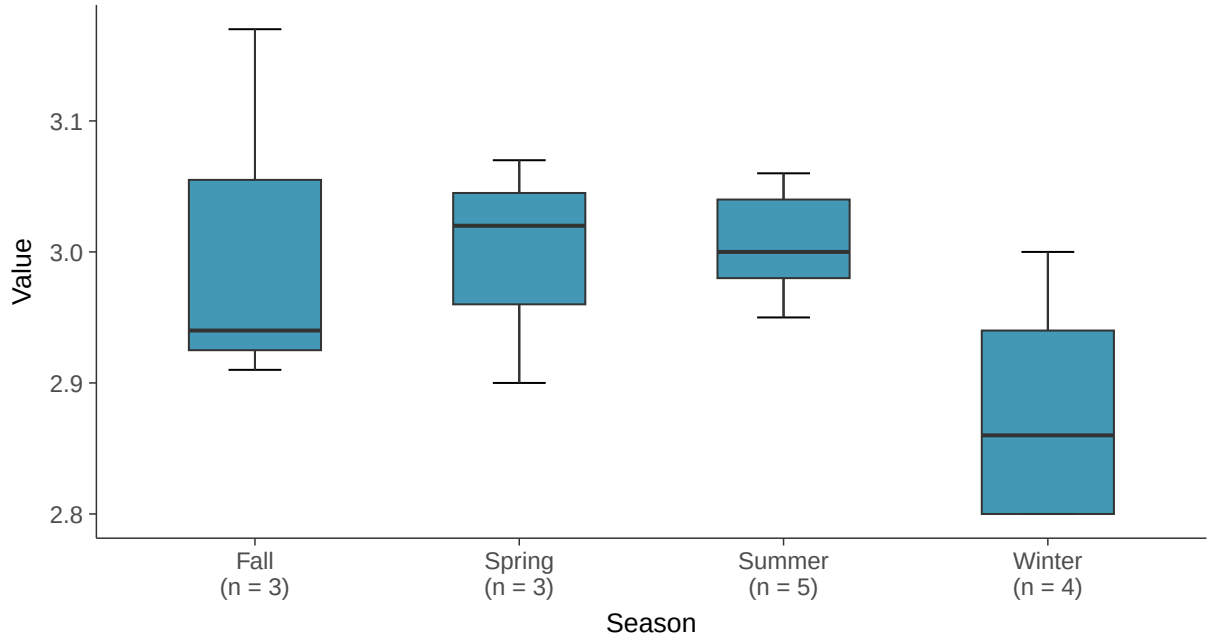
Boxplot

Boron, MW-7B (mg/l)



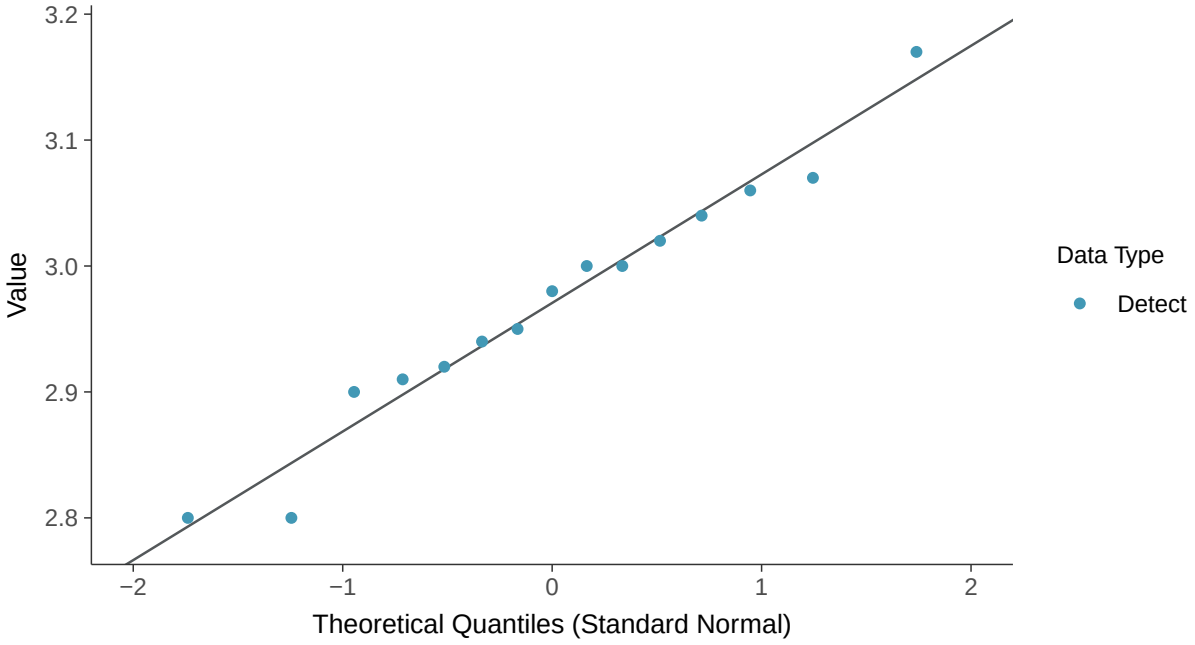
Boxplot by Season

Boron, MW-7B (mg/l)



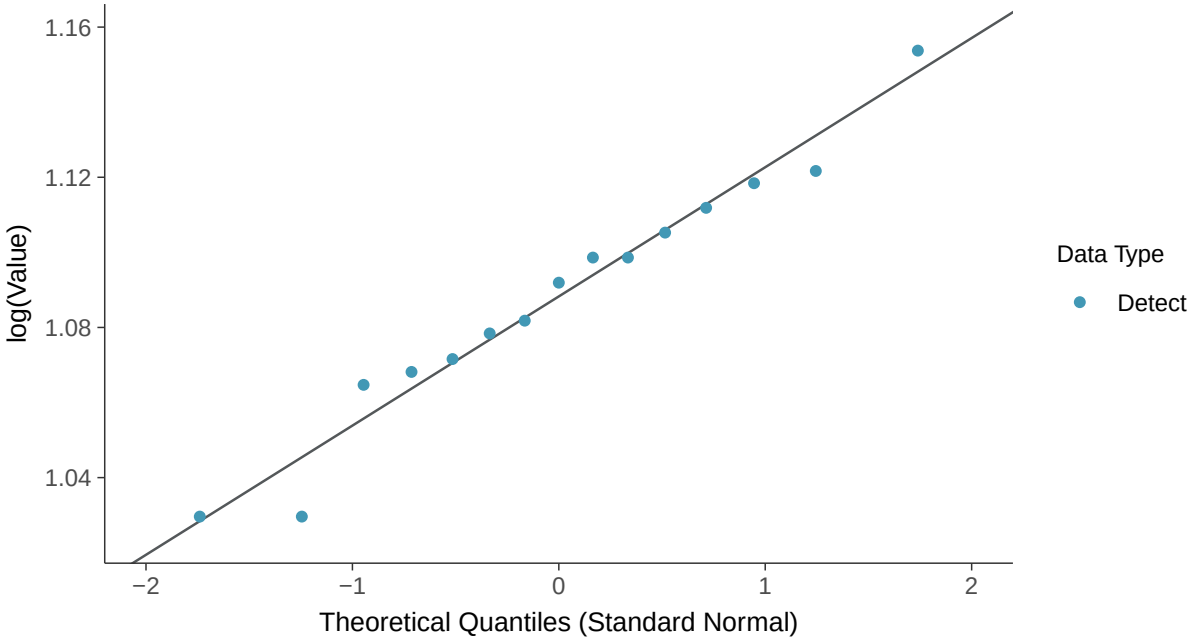
Normal Q-Q plot

Boron, MW-7B (mg/l)



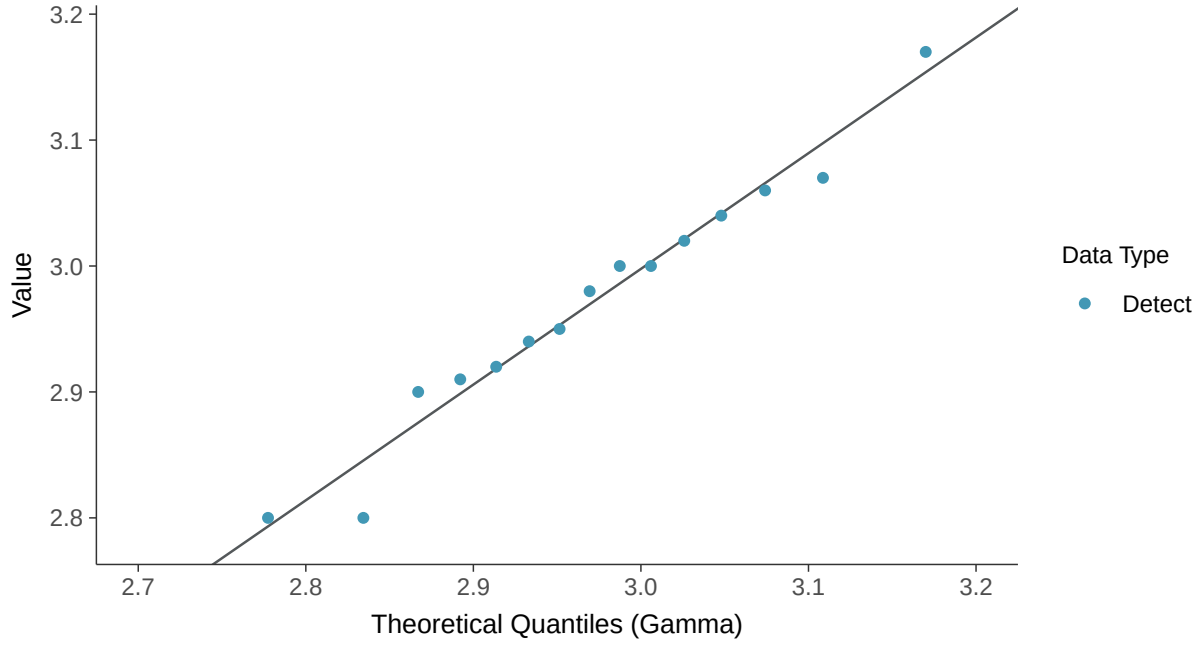
Lognormal Q-Q plot

Boron, MW-7B (mg/l)



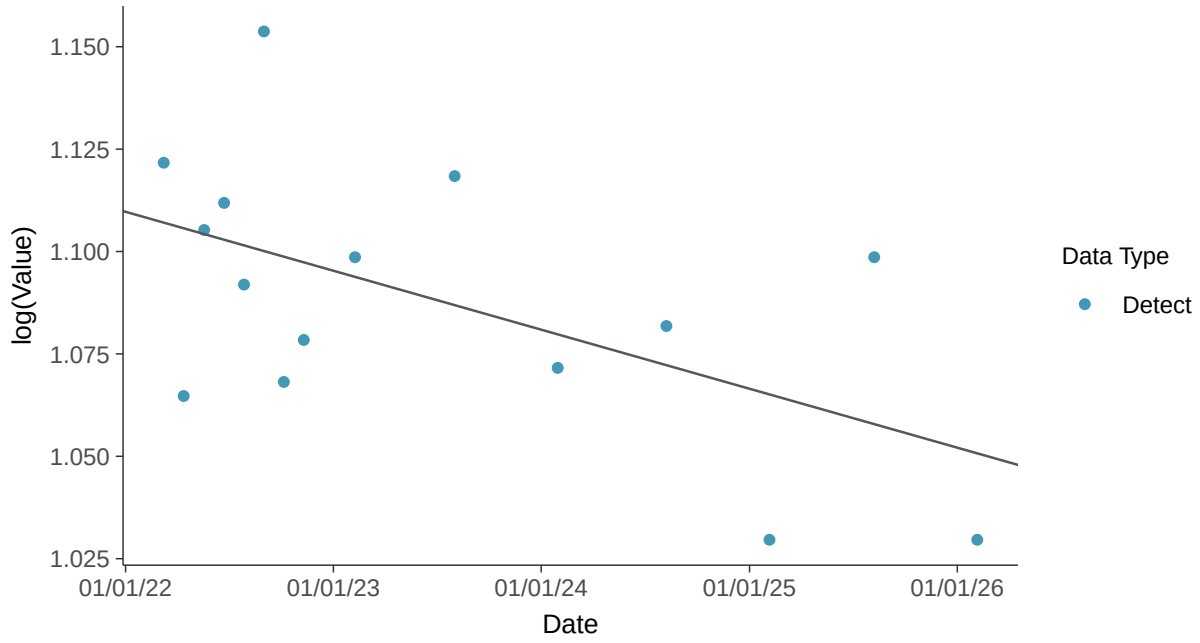
Gamma Q-Q plot

Boron, MW-7B (mg/l)



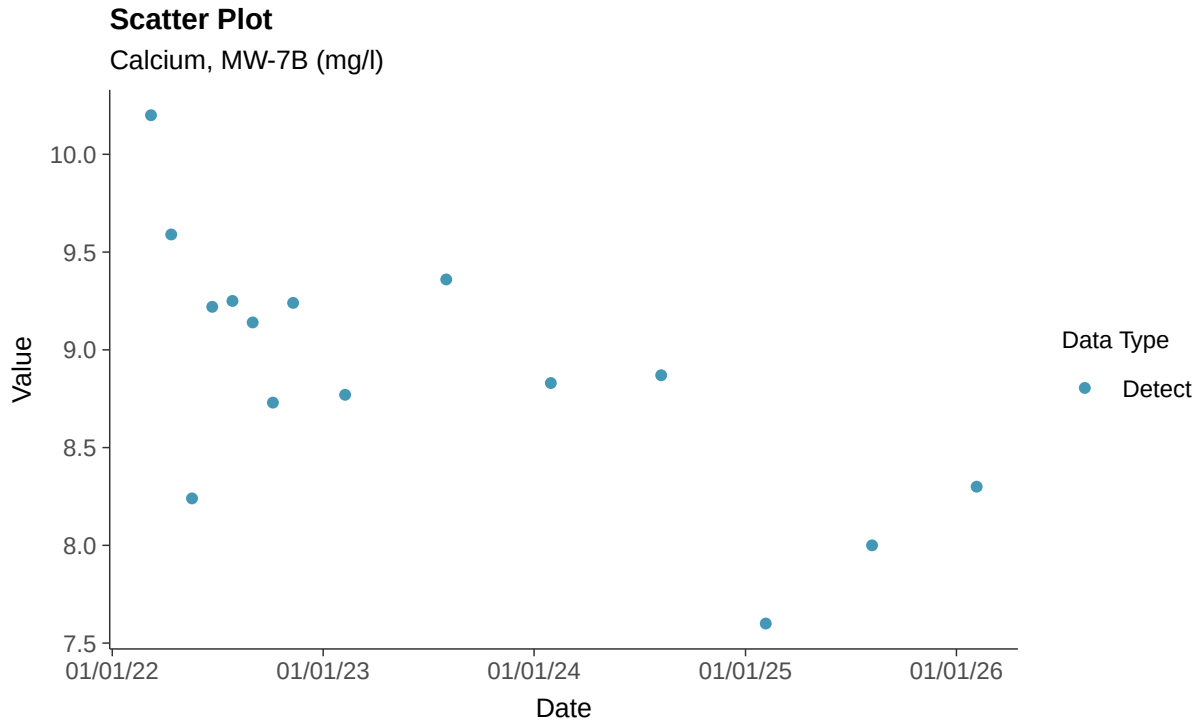
Trend Regression: Lognormal MLE

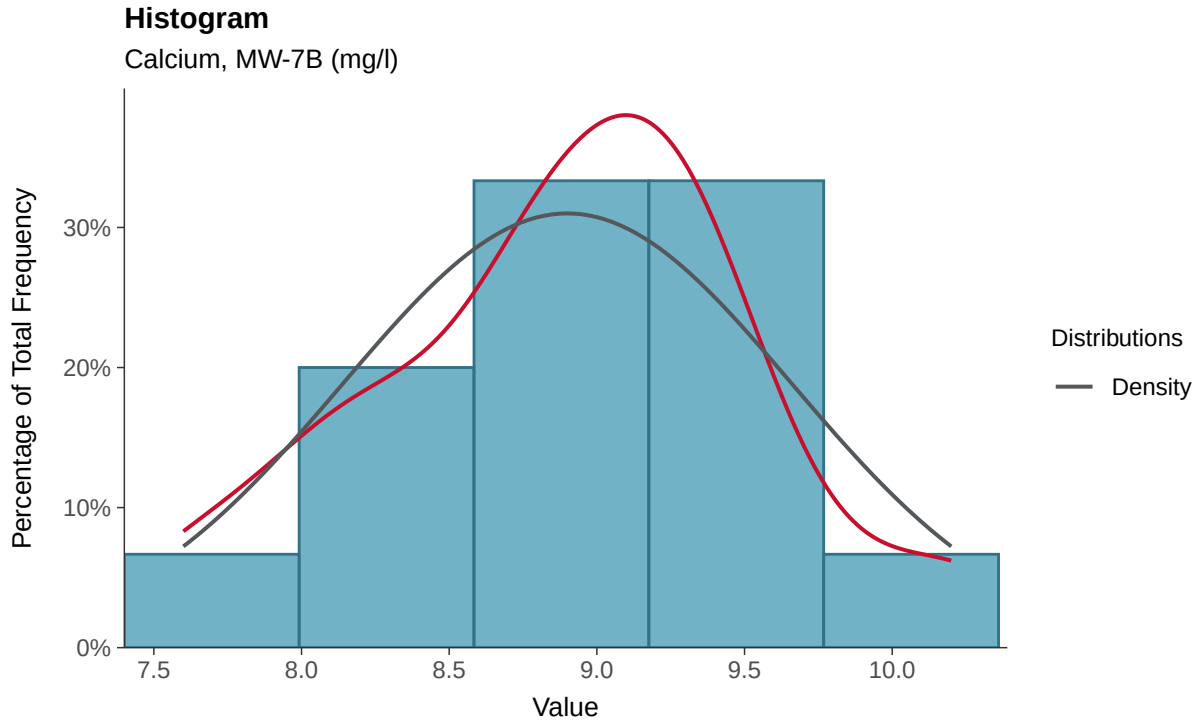
Boron, MW-7B (mg/l)



Appendix III: Calcium, MW-7B

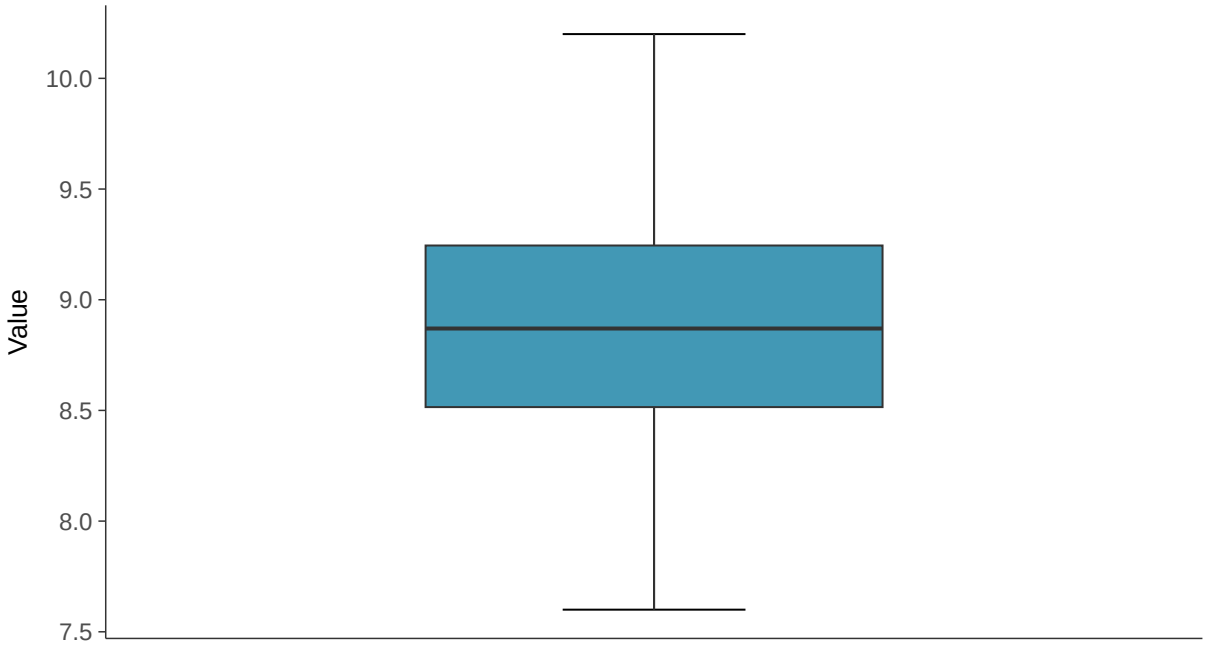
ID: 11_2_107





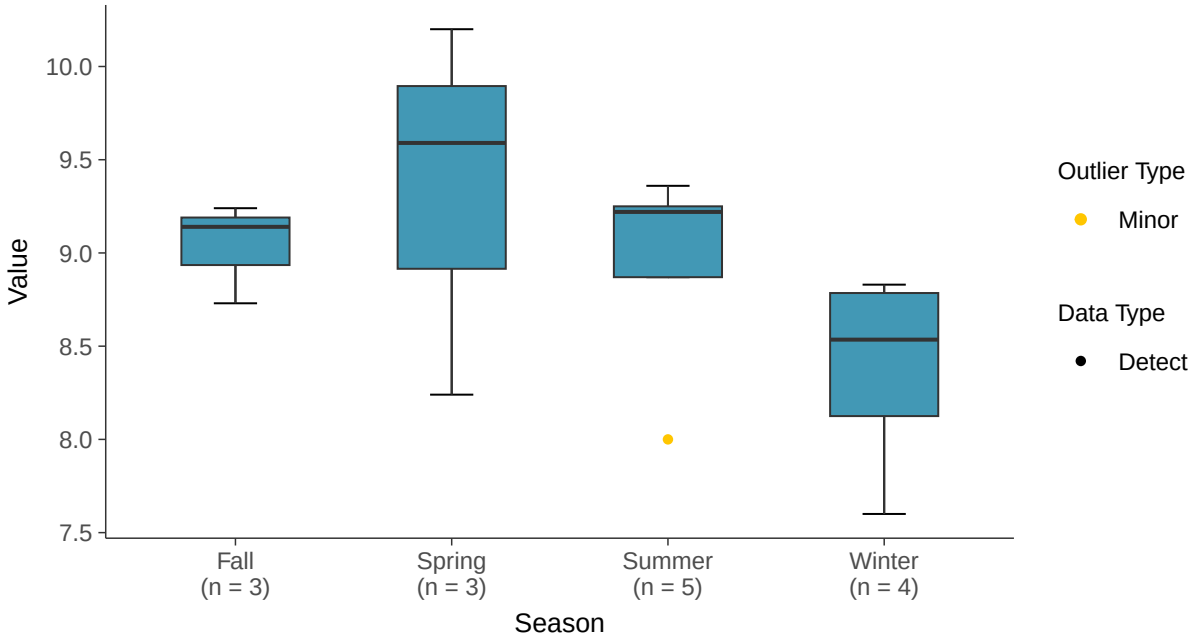
Boxplot

Calcium, MW-7B (mg/l)



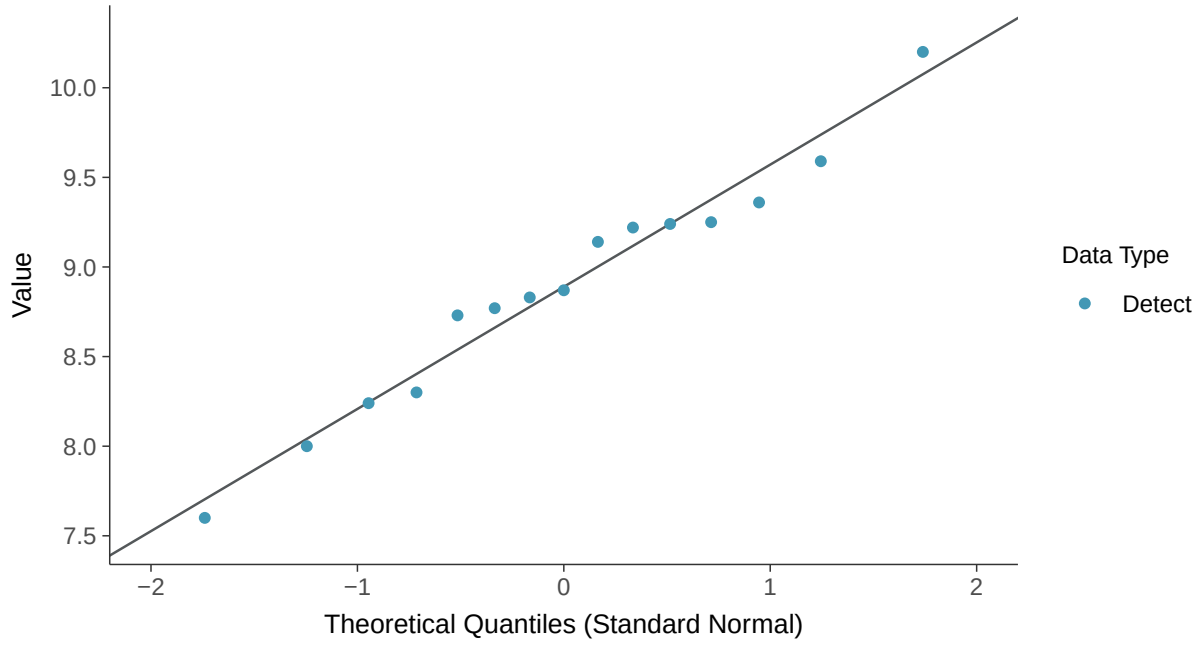
Boxplot by Season

Calcium, MW-7B (mg/l)



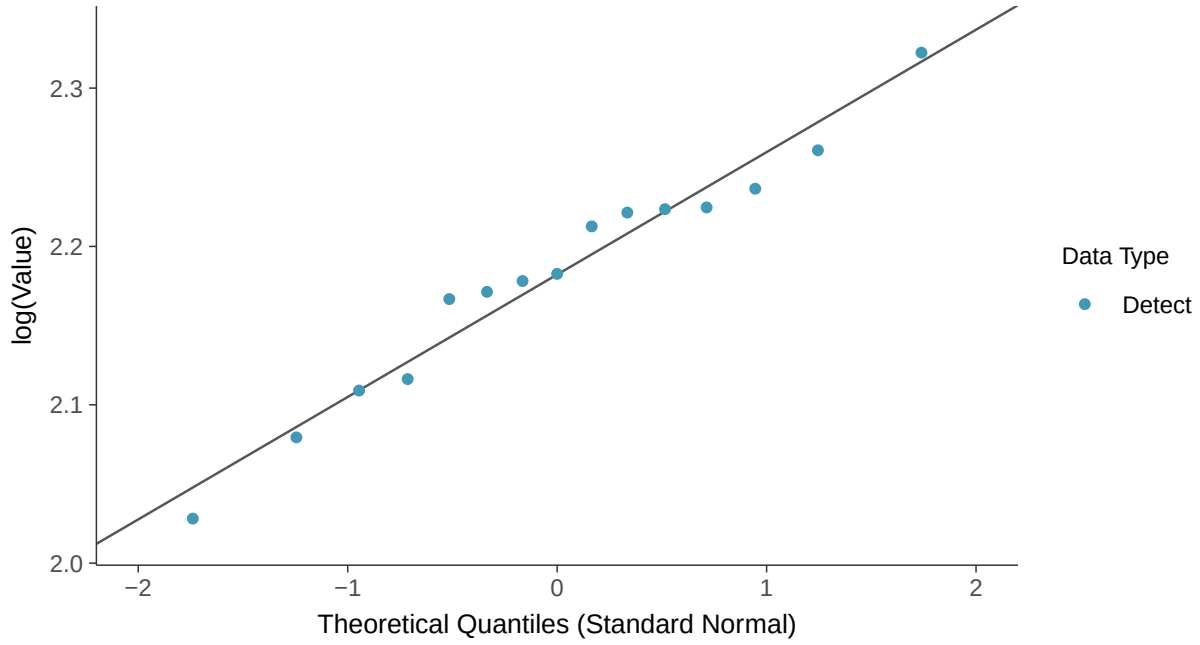
Normal Q-Q plot

Calcium, MW-7B (mg/l)



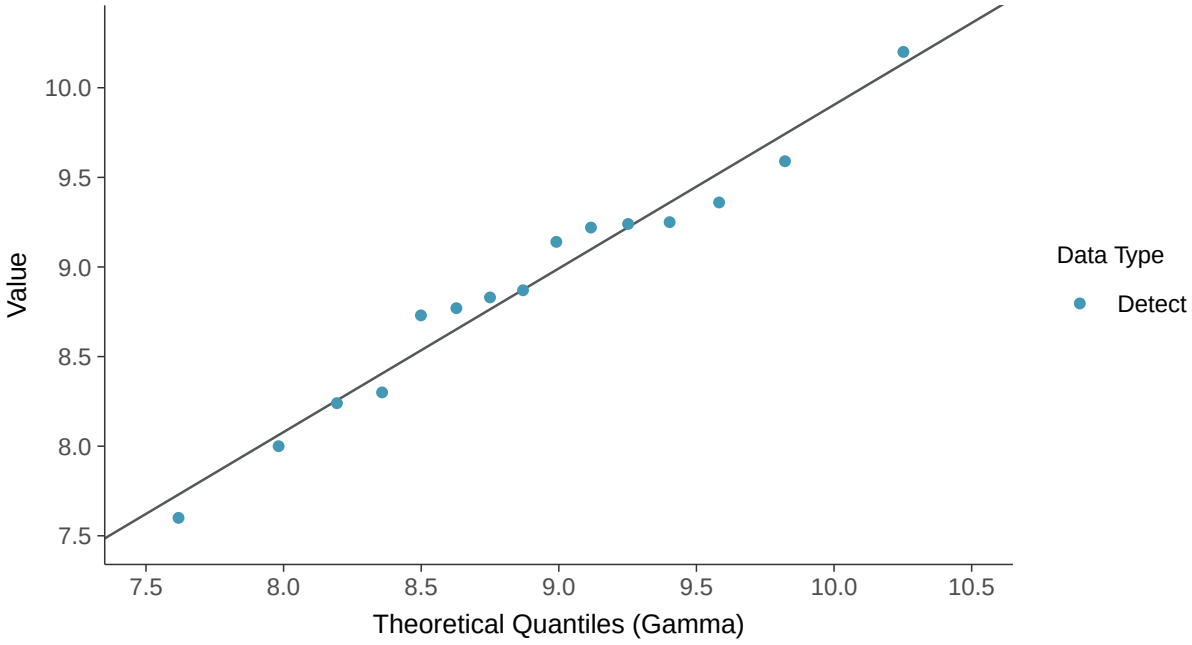
Lognormal Q-Q plot

Calcium, MW-7B (mg/l)



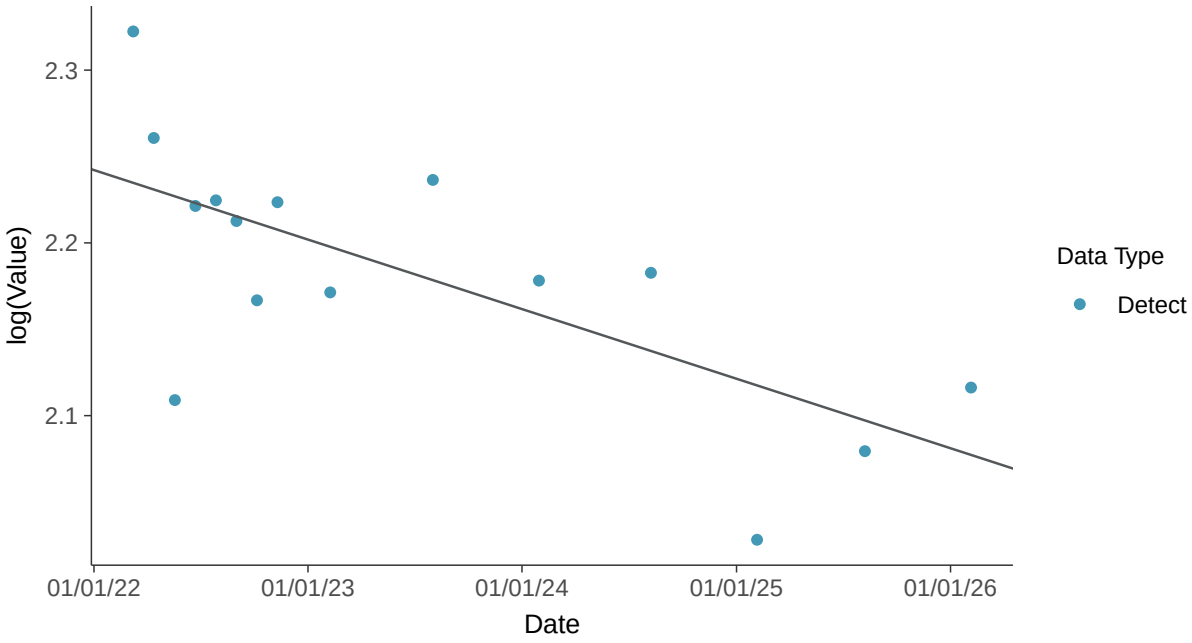
Gamma Q-Q plot

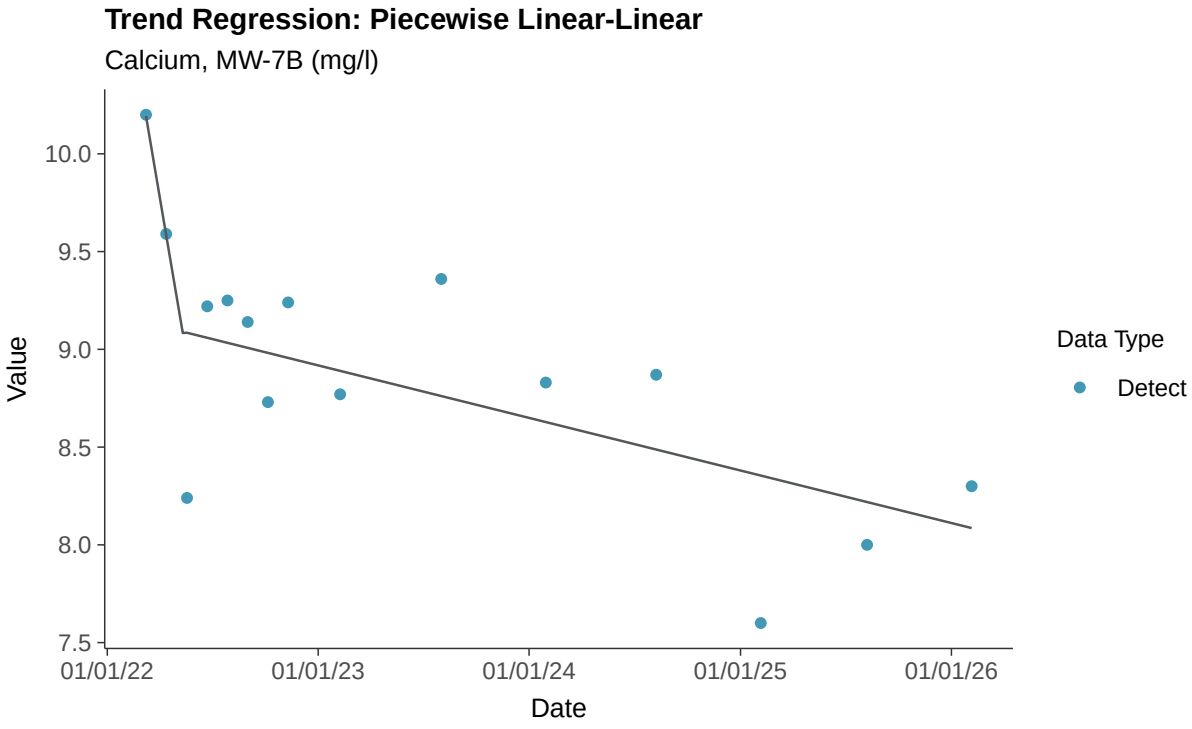
Calcium, MW-7B (mg/l)



Trend Regression: Lognormal MLE

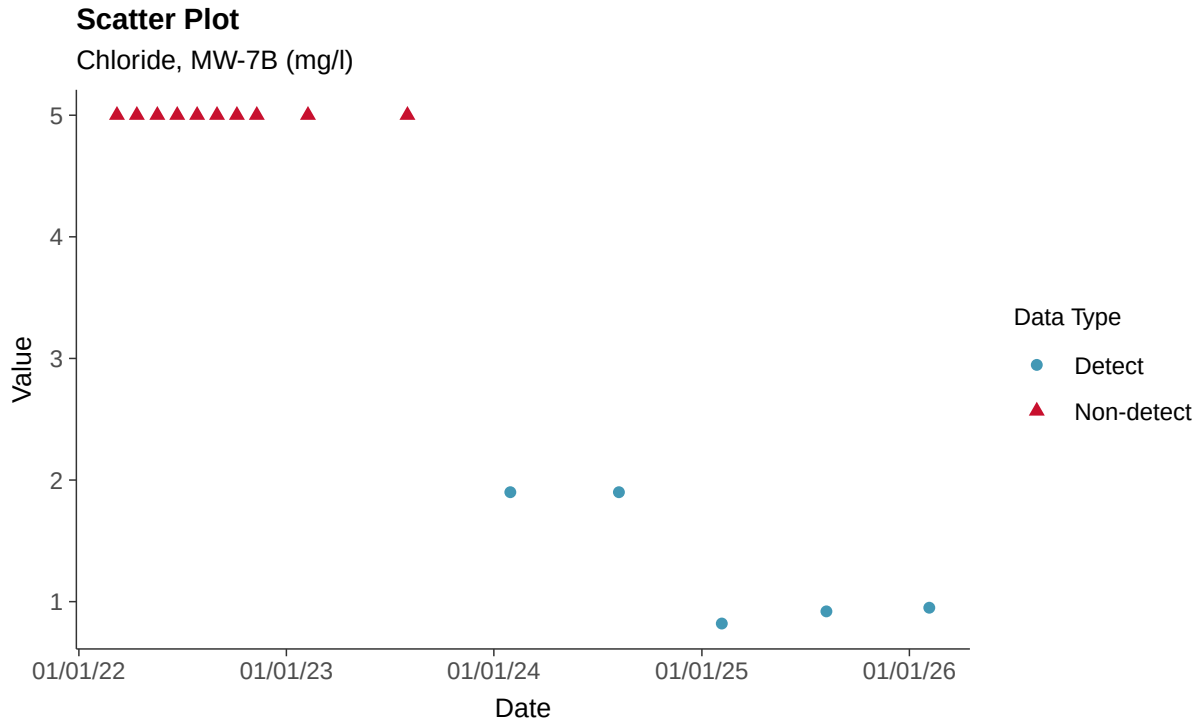
Calcium, MW-7B (mg/l)

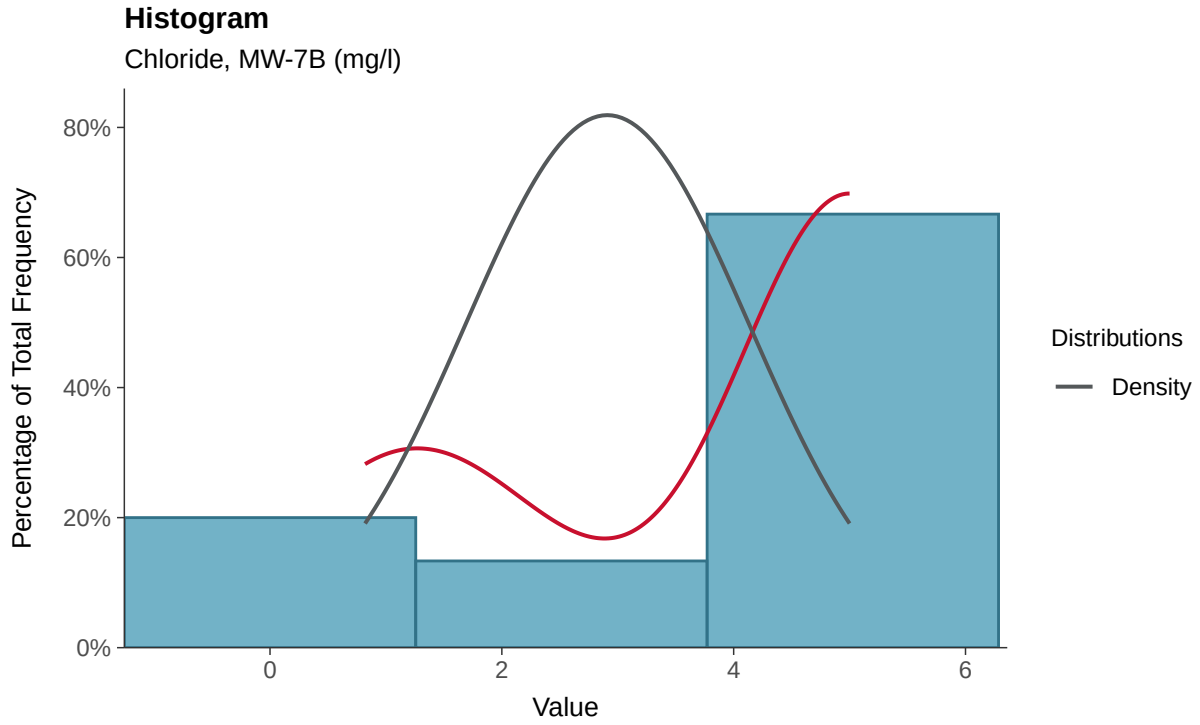



Trend Regression: Piecewise Linear-Linear
Calcium, MW-7B (mg/l)
Value
10.0
9.5
9.0
8.5
8.0
7.5
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Chloride, MW-7B

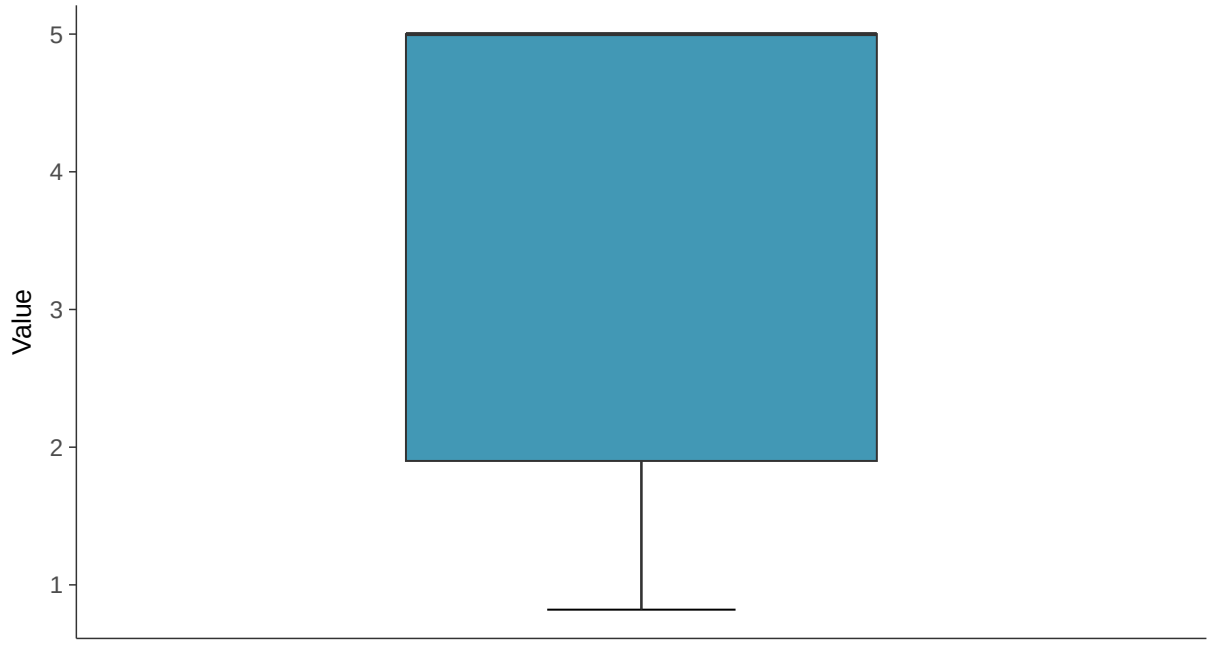
ID: 11_2_108





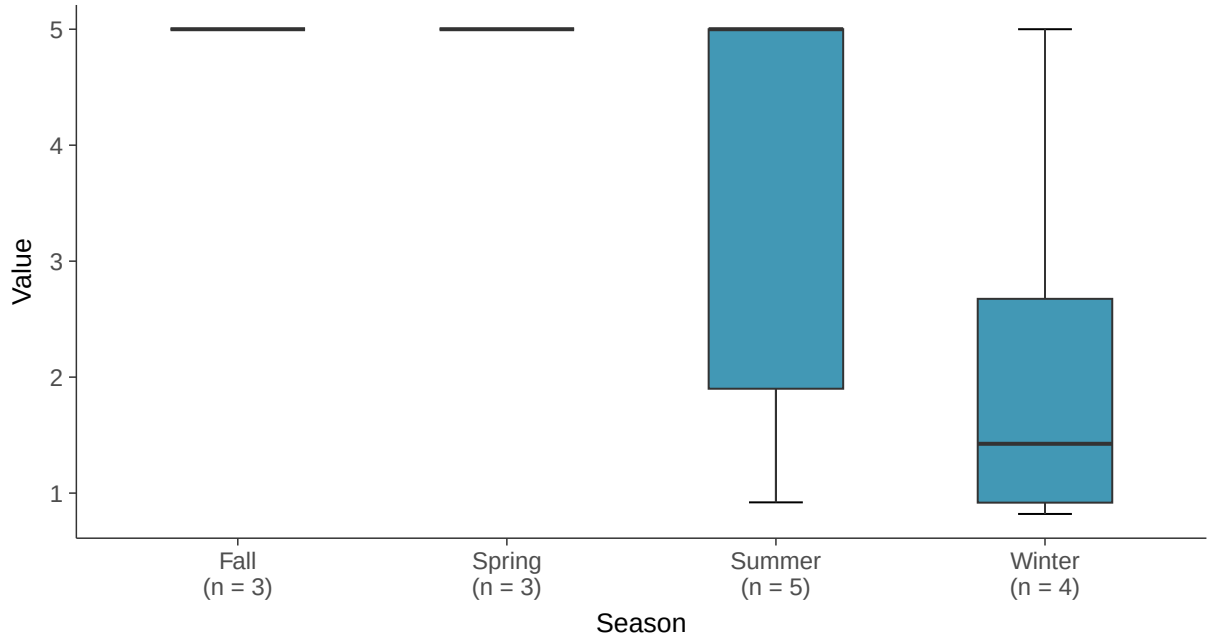
Boxplot

Chloride, MW-7B (mg/l)



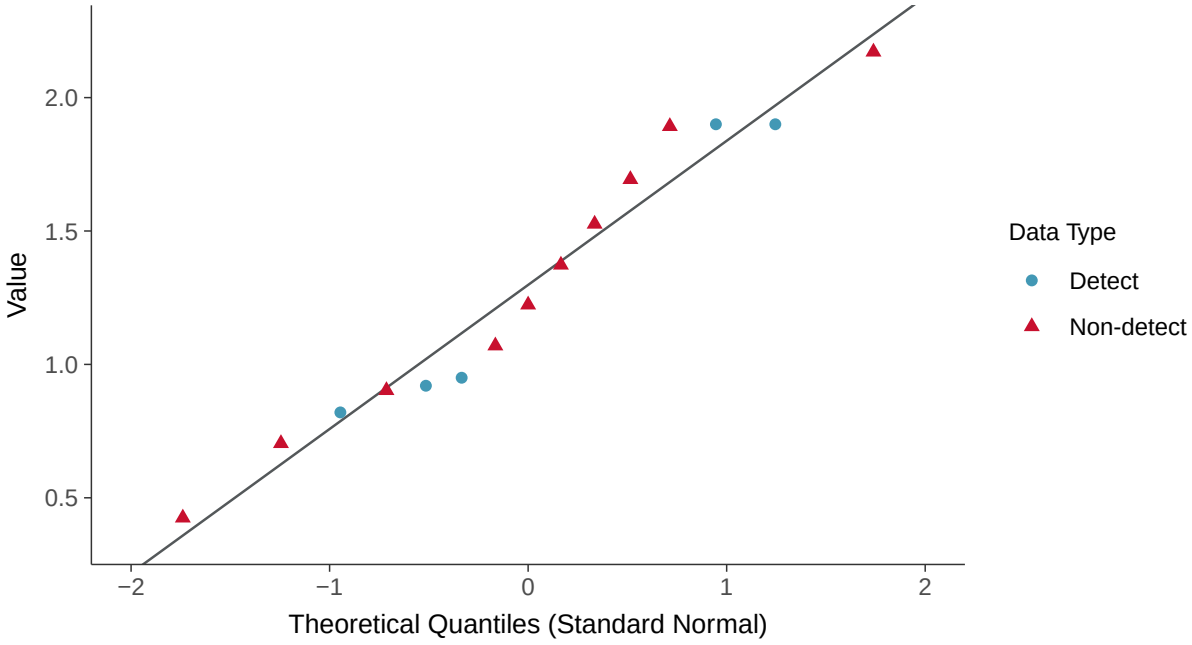
Boxplot by Season

Chloride, MW-7B (mg/l)



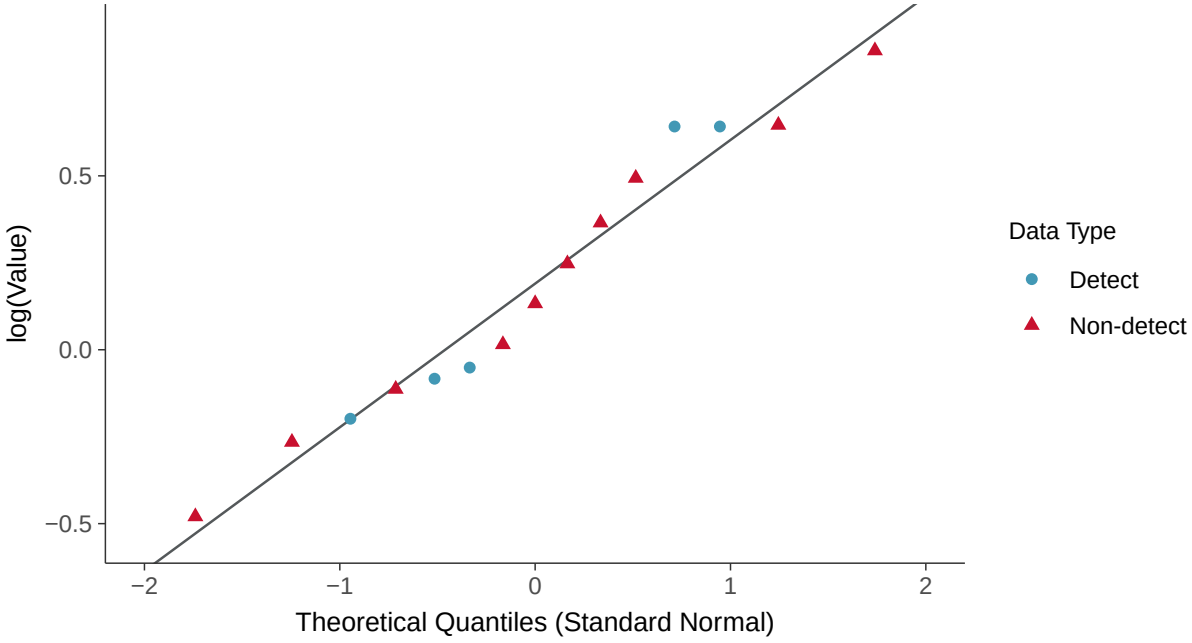
Normal Q-Q plot using ROS Imputed Estimates

Chloride, MW-7B (mg/l)



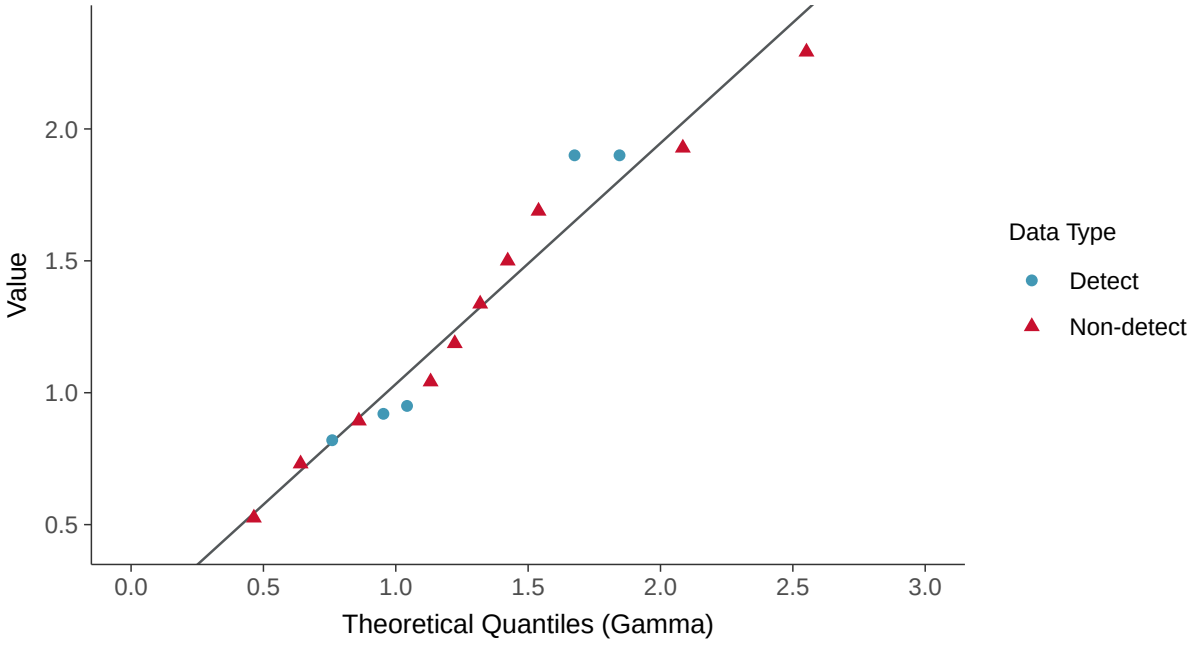
Lognormal Q-Q plot using ROS Imputed Estimates

Chloride, MW-7B (mg/l)



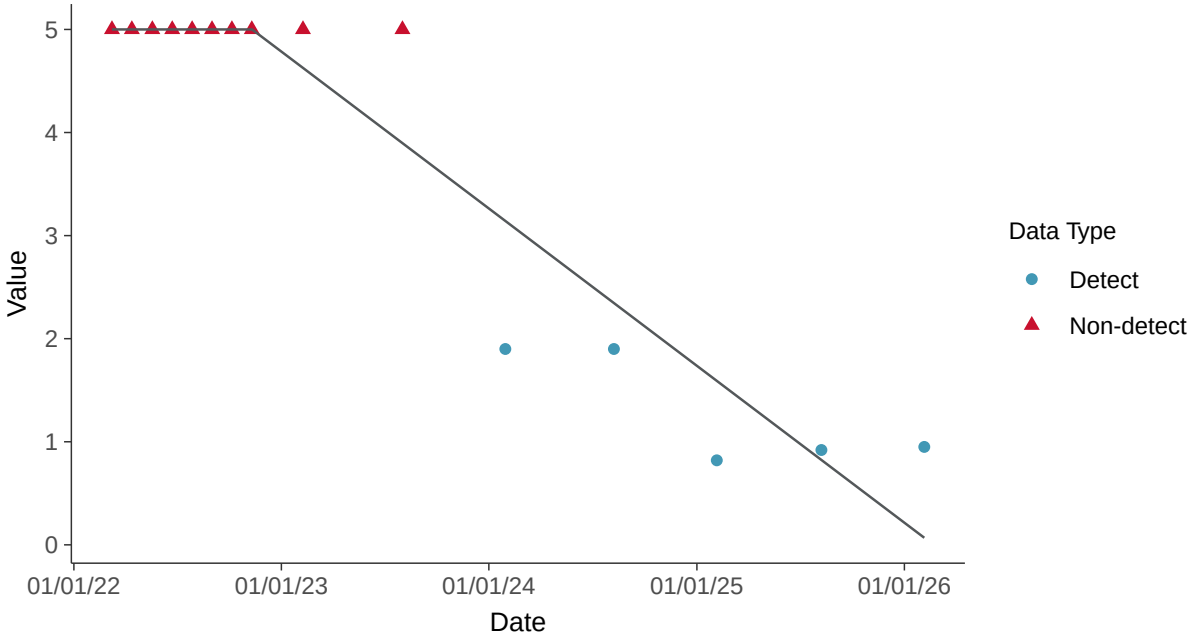
Gamma Q-Q plot using ROS Imputed Estimates

Chloride, MW-7B (mg/l)



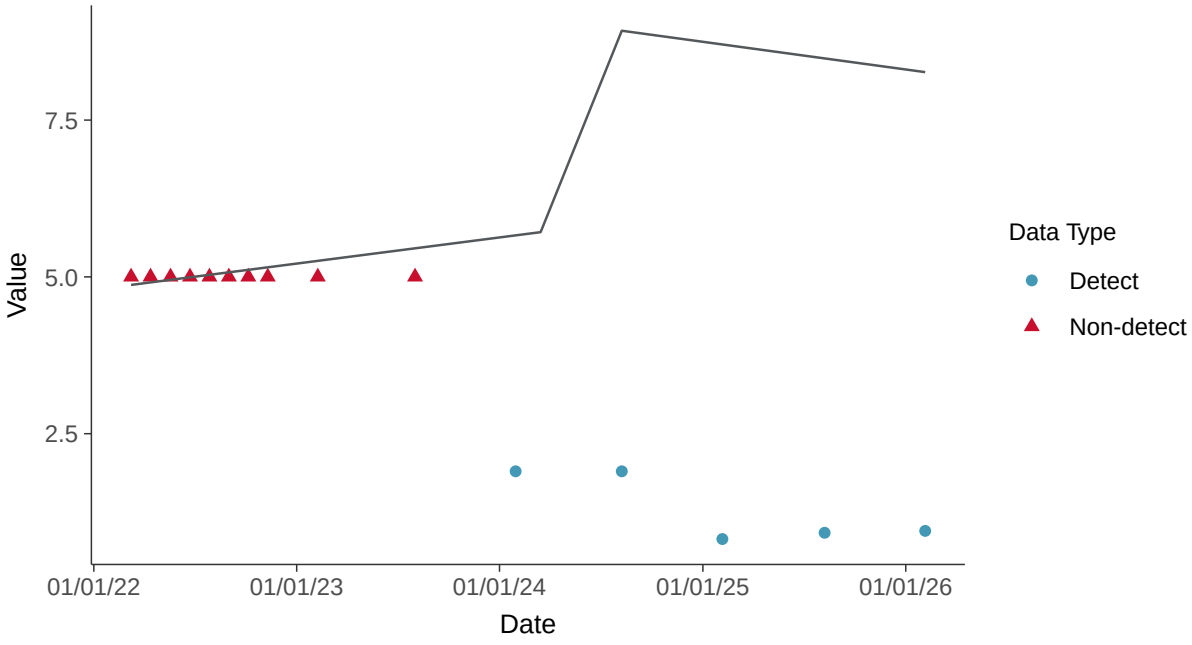
Trend Regression: Piecewise Linear-Linear

Chloride, MW-7B (mg/l)



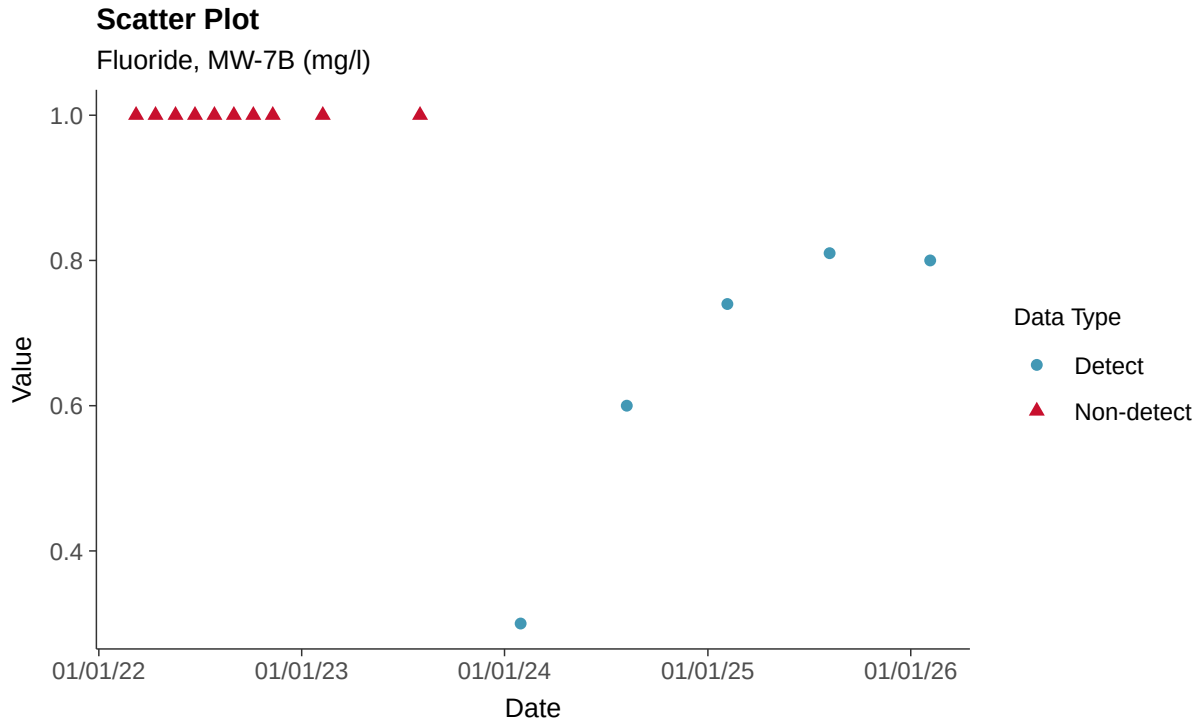
Trend Regression: Piecewise Linear-Linear-Linear

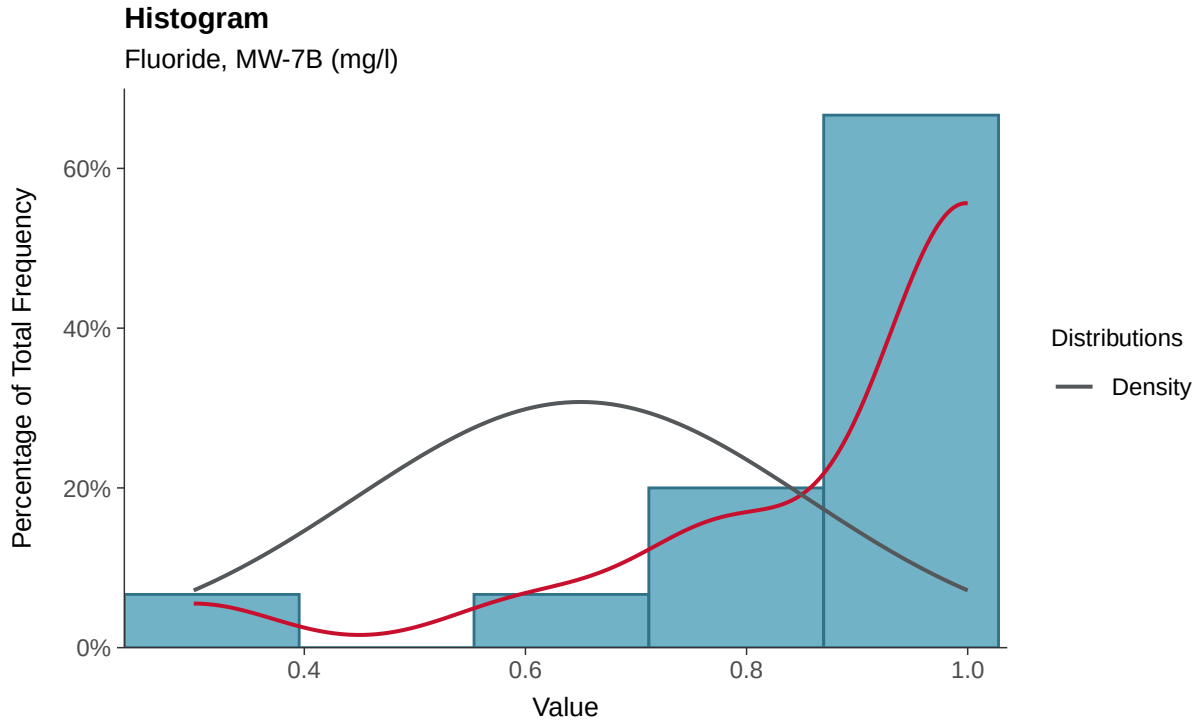
Chloride, MW-7B (mg/l)



Appendix III: Fluoride, MW-7B

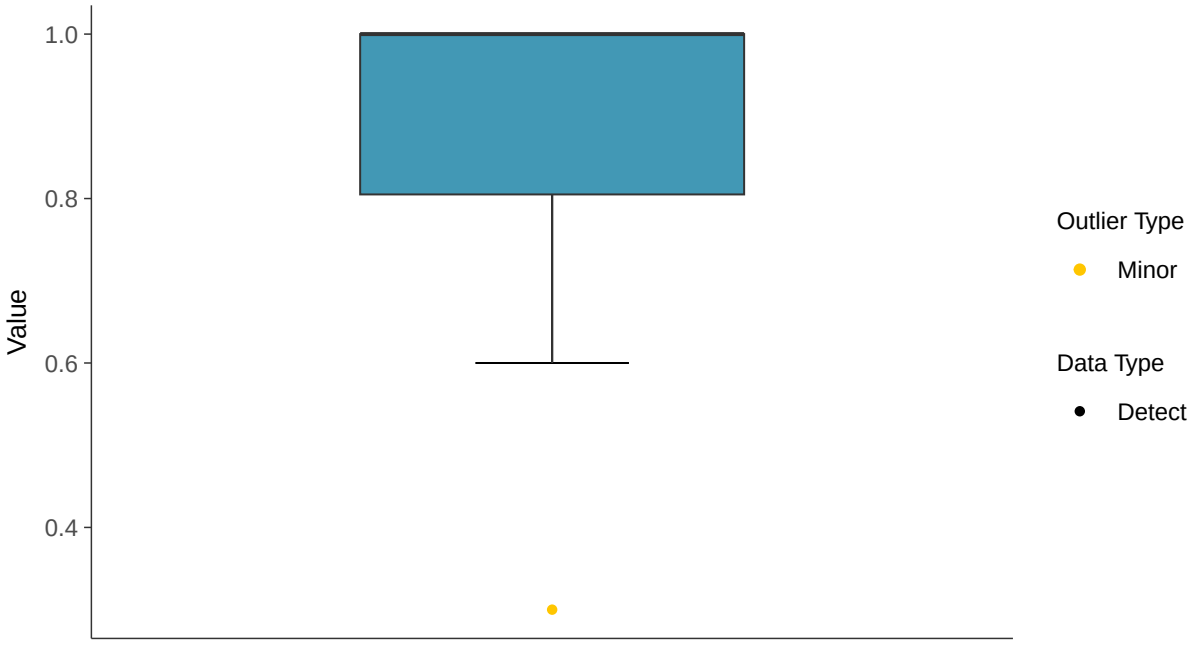
ID: 11_2_112





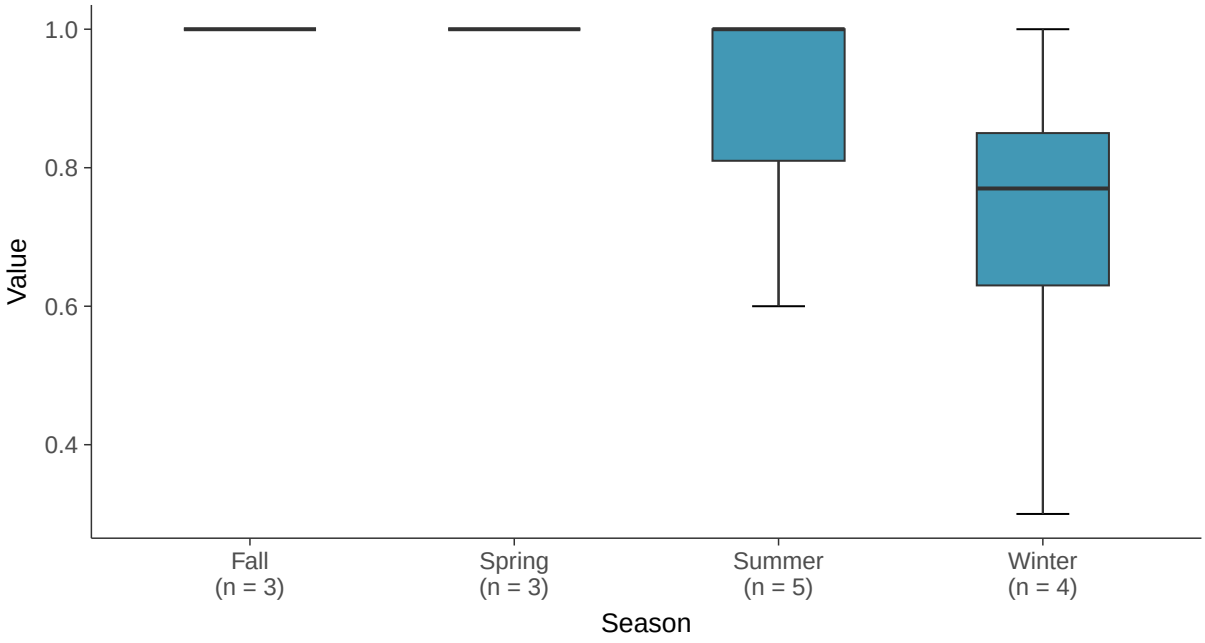
Boxplot

Fluoride, MW-7B (mg/l)



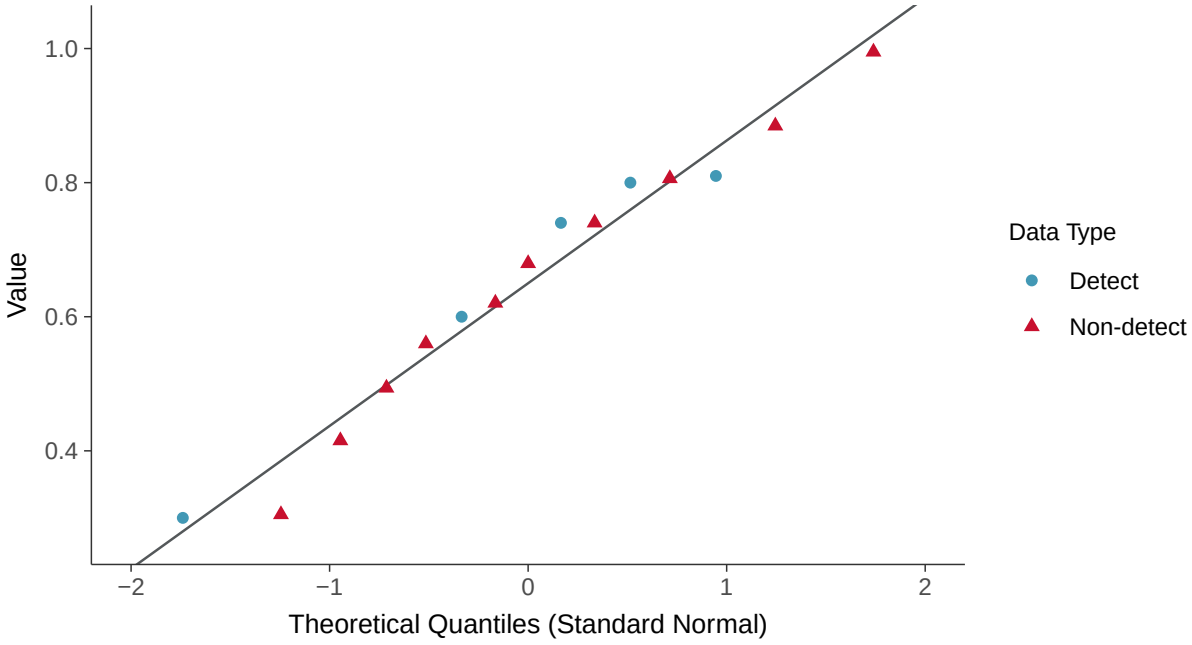
Boxplot by Season

Fluoride, MW-7B (mg/l)



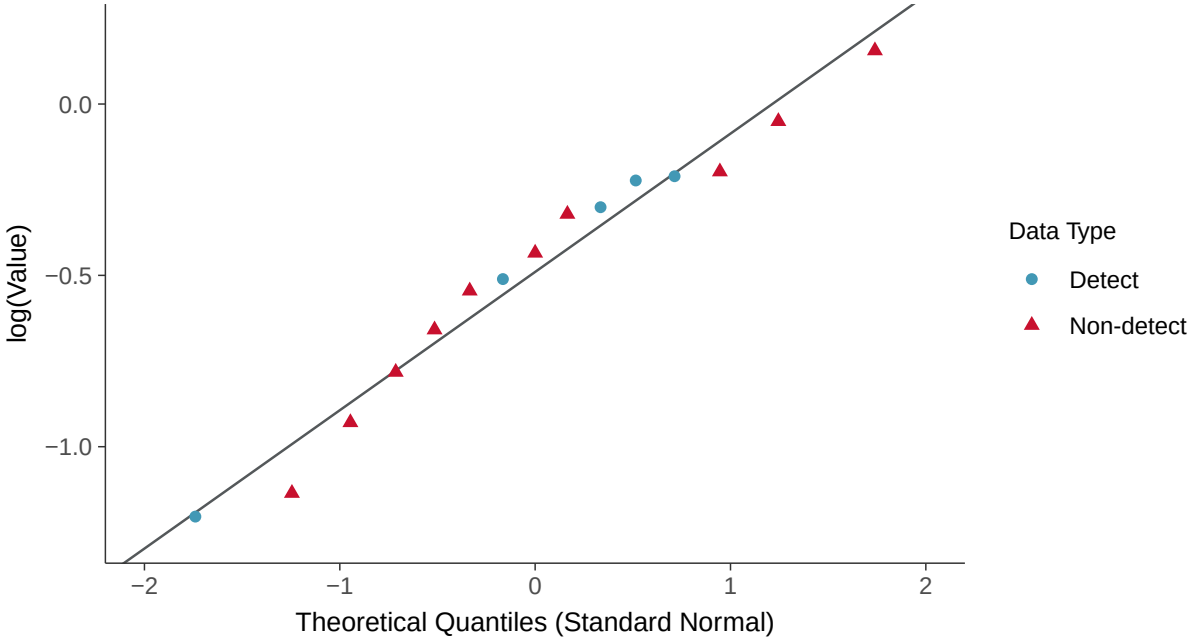
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-7B (mg/l)



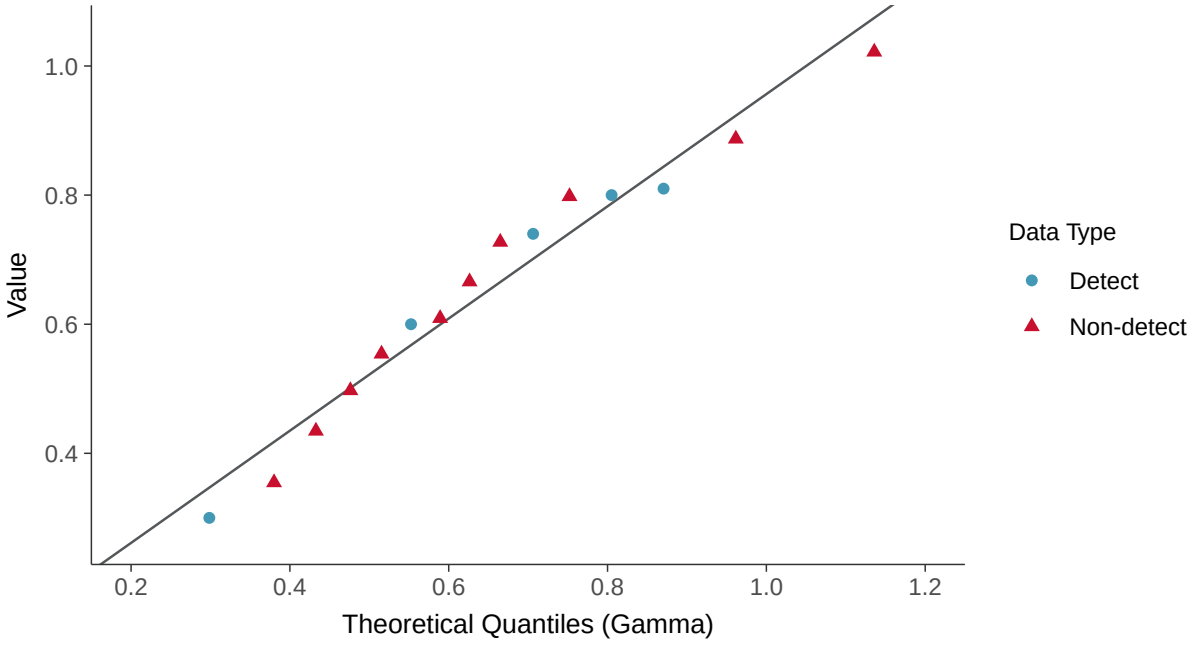
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-7B (mg/l)



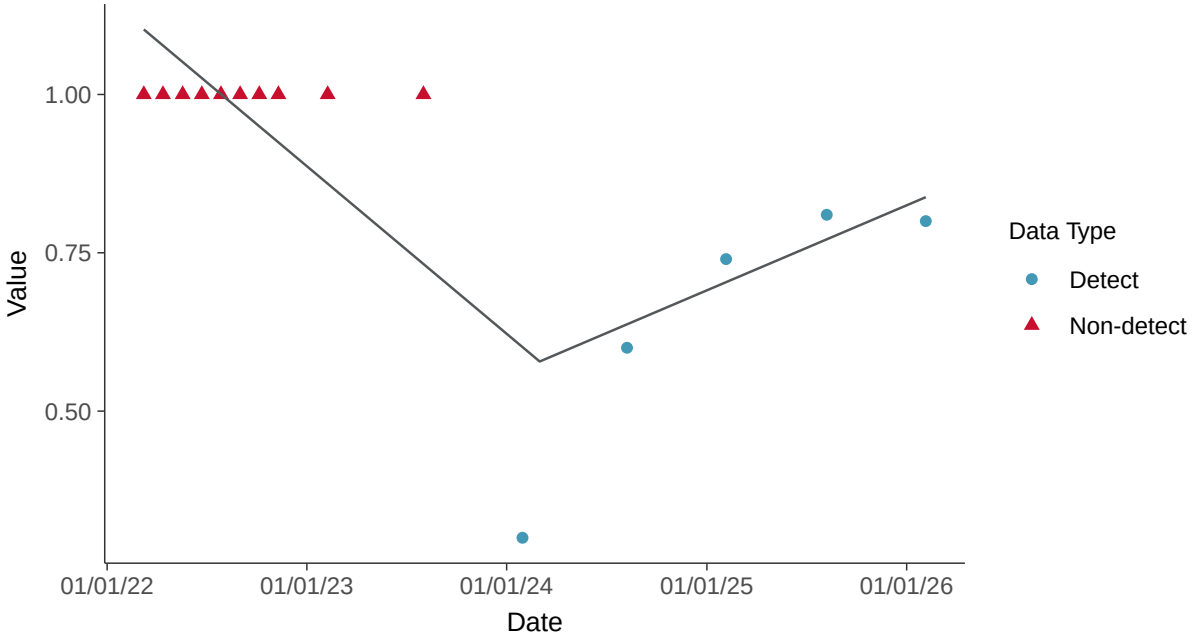
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride, MW-7B (mg/l)



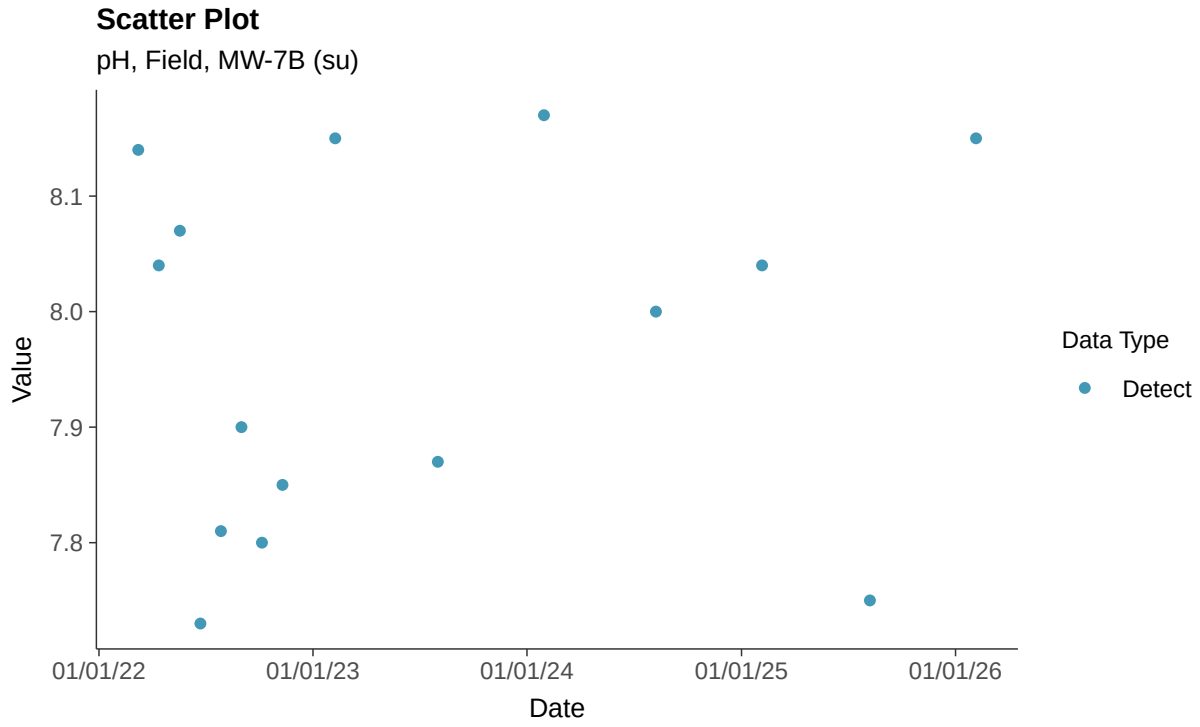
Trend Regression: Piecewise Linear-Linear

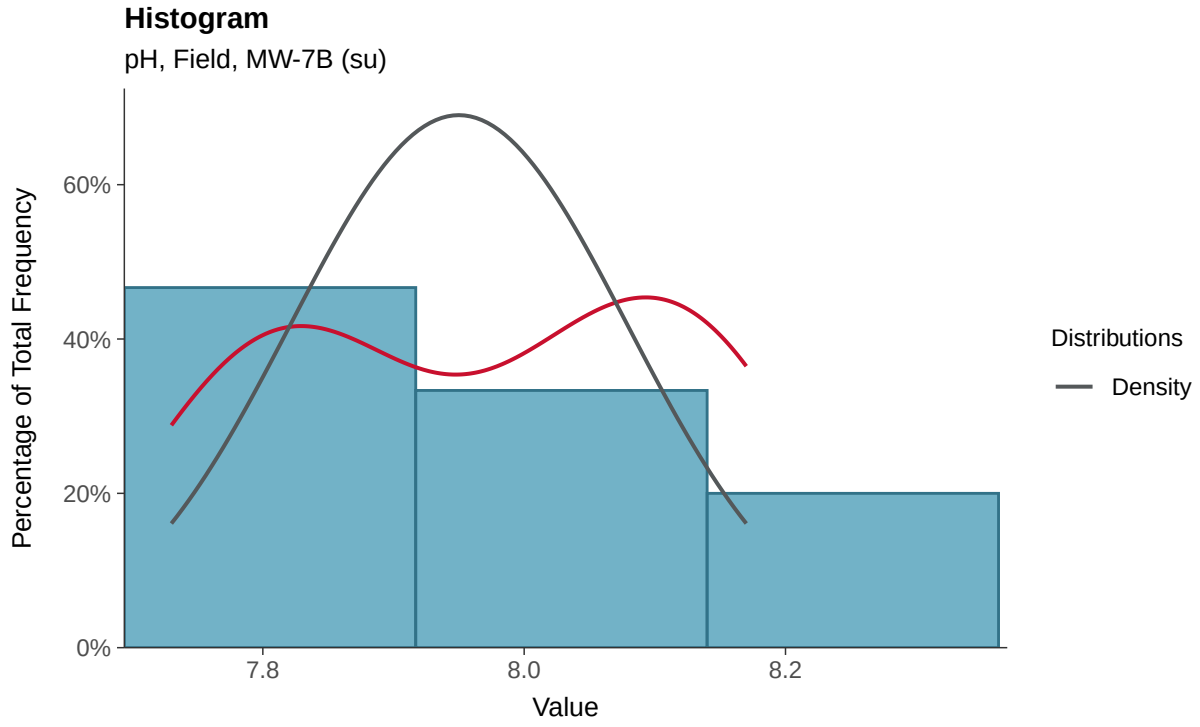
Fluoride, MW-7B (mg/l)



Appendix III: pH, Field, MW-7B

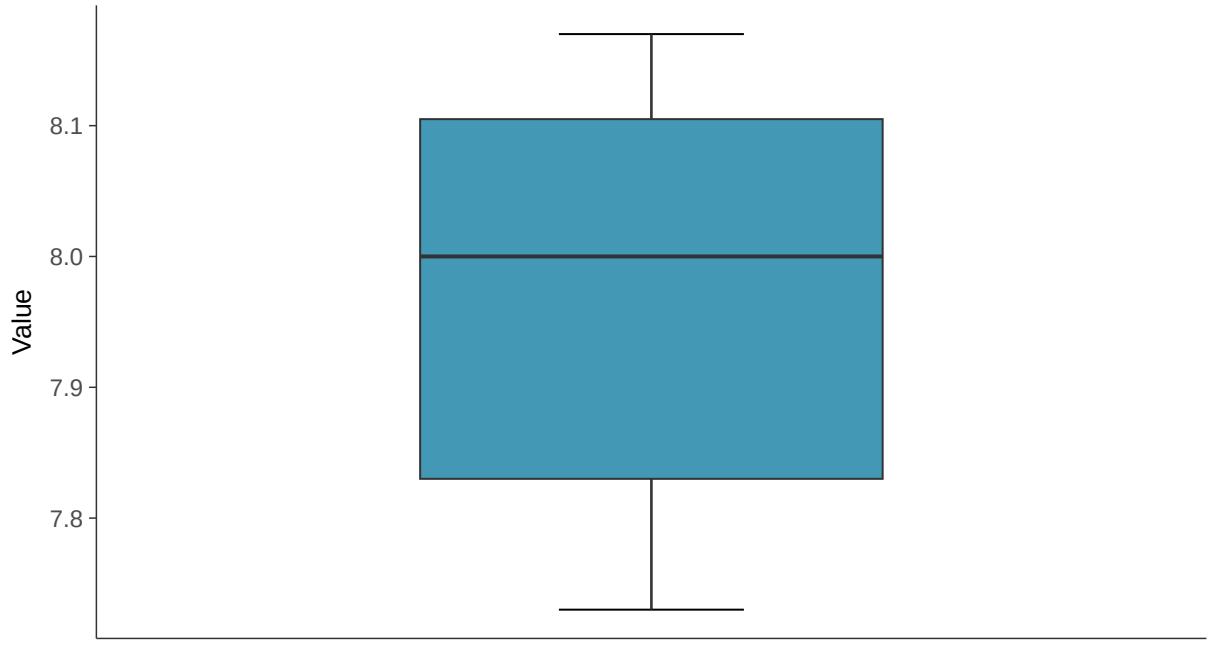
ID: 11_2_120





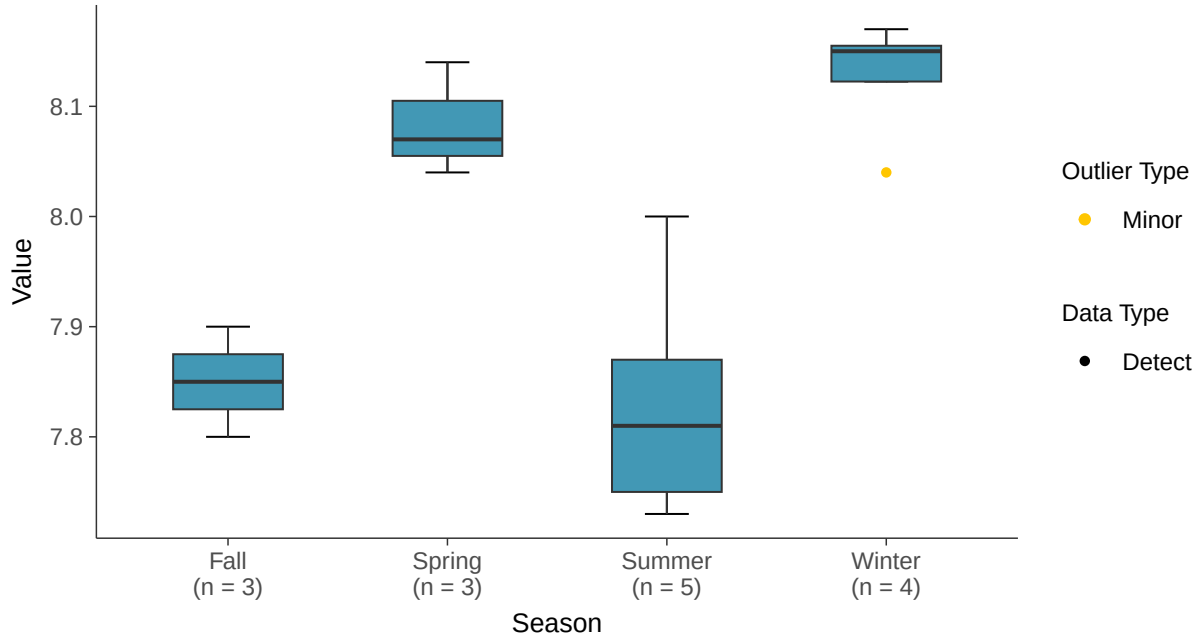
Boxplot

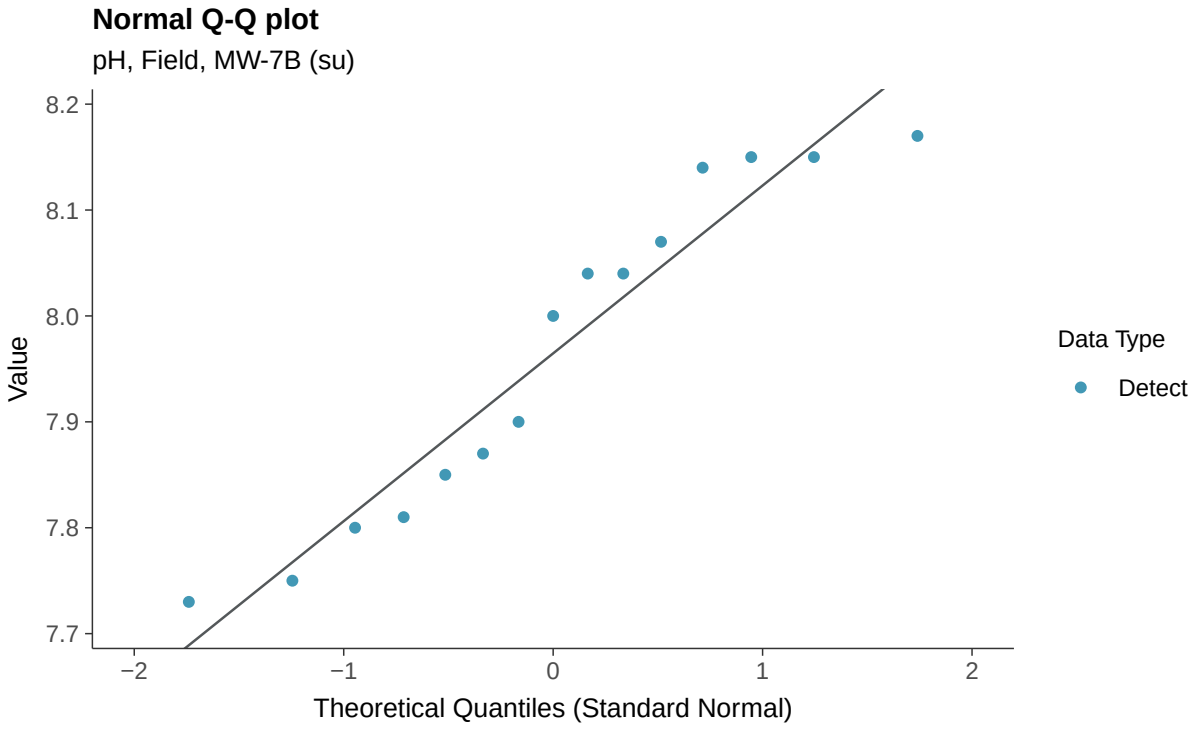
pH, Field, MW-7B (su)

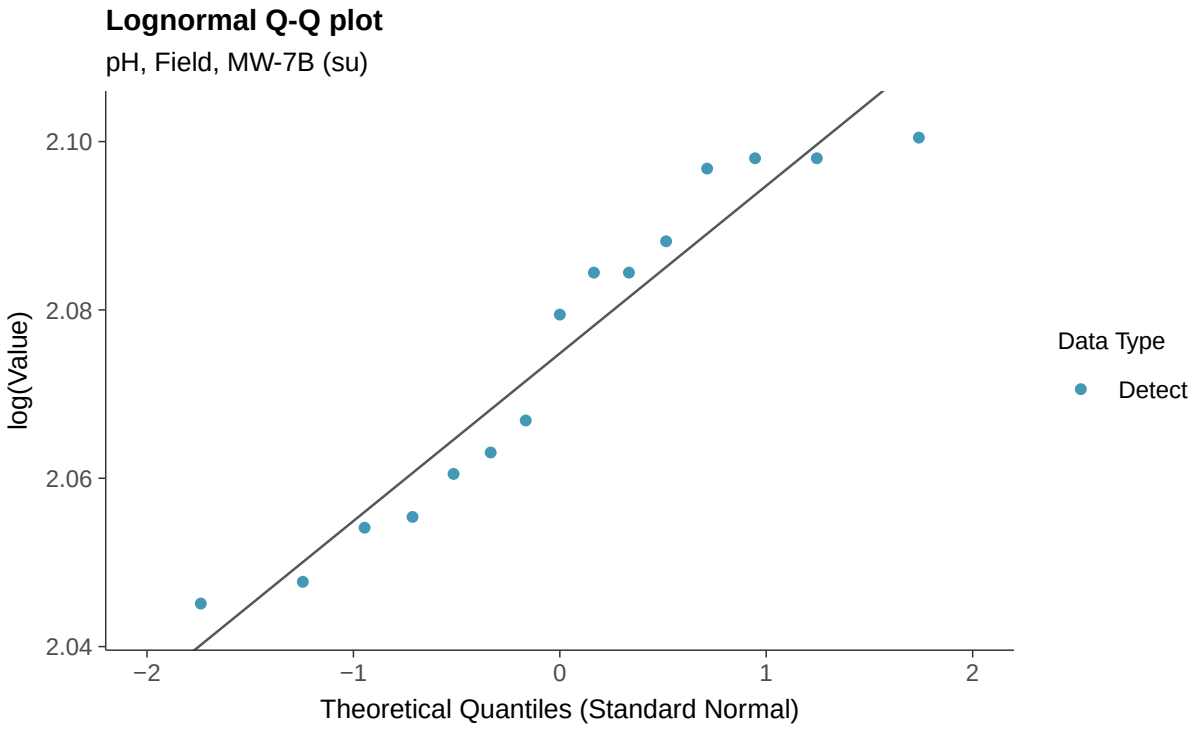


Boxplot by Season

pH, Field, MW-7B (su)

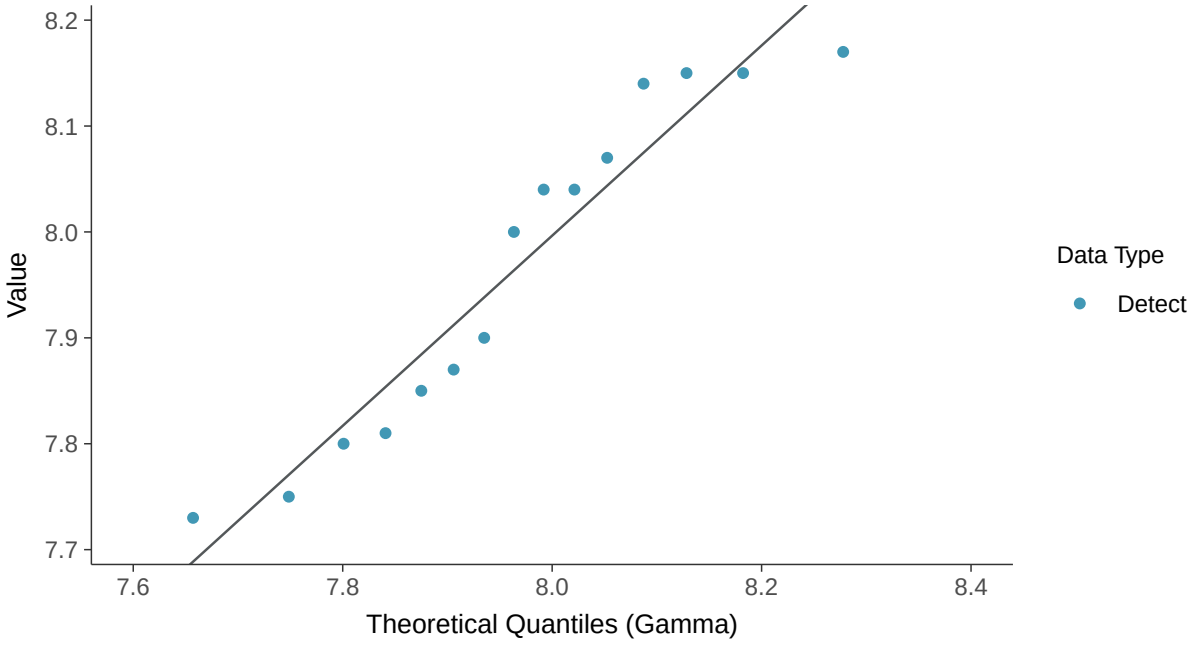



Normal Q-Q plot
pH, Field, MW-7B (su)
Value
8.2
8.1
8.0
7.9
7.8
7.7
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
pH, Field, MW-7B (su)
log(Value)
2.10
2.08
2.06
2.04
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

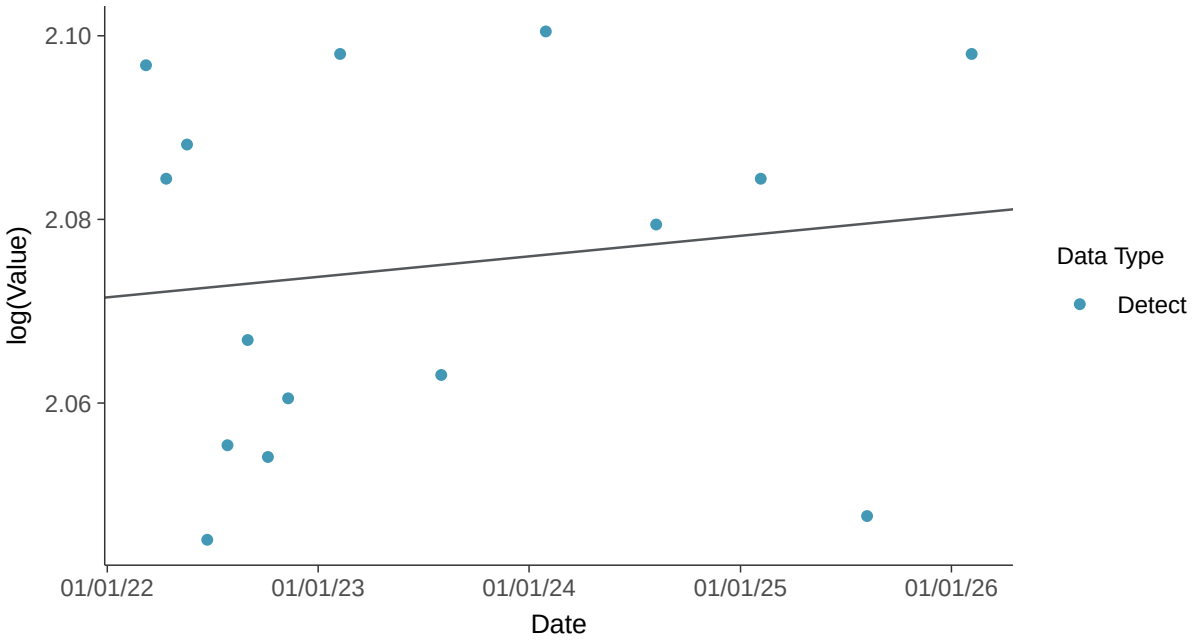
Gamma Q-Q plot

pH, Field, MW-7B (su)



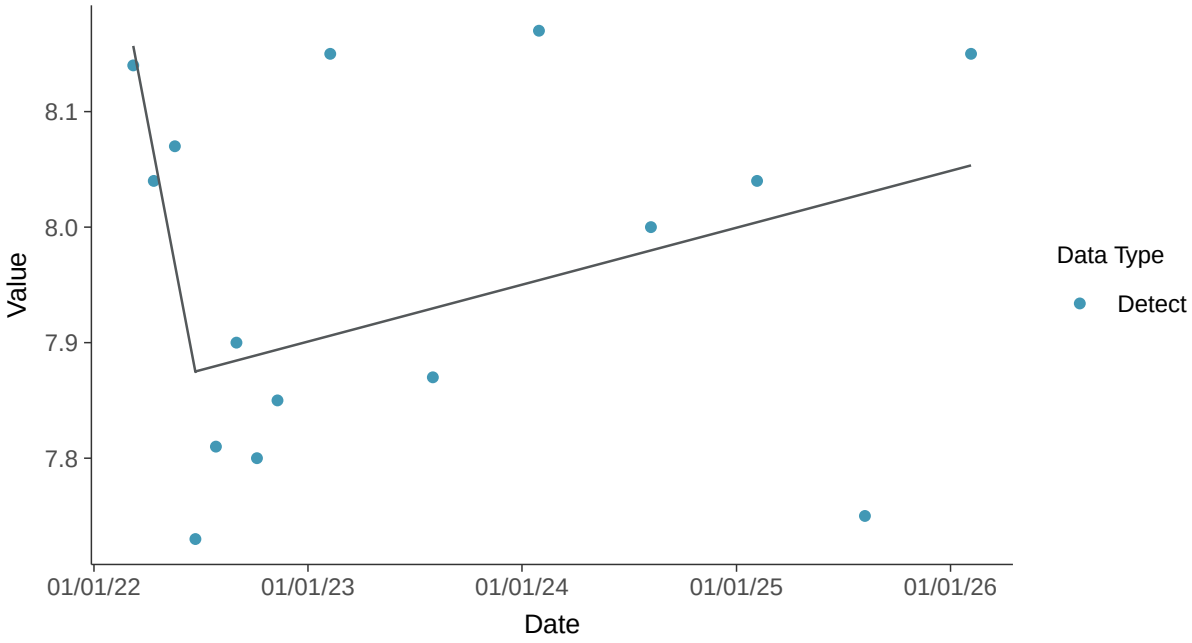
Trend Regression: Lognormal MLE

pH, Field, MW-7B (su)



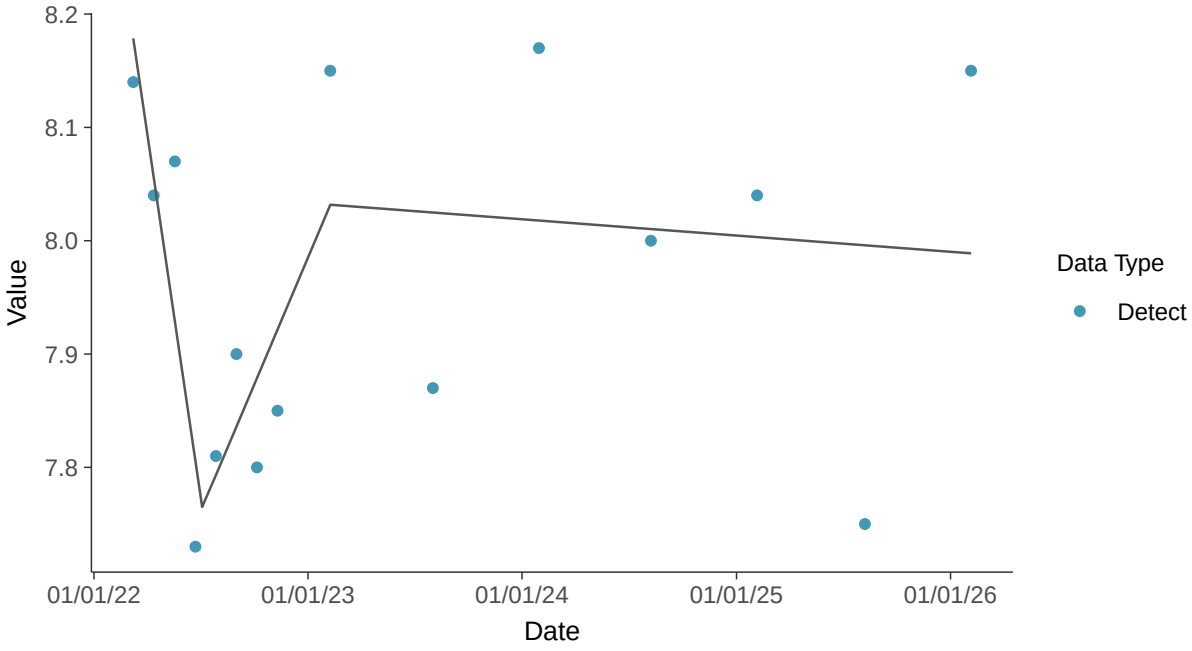
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-7B (su)



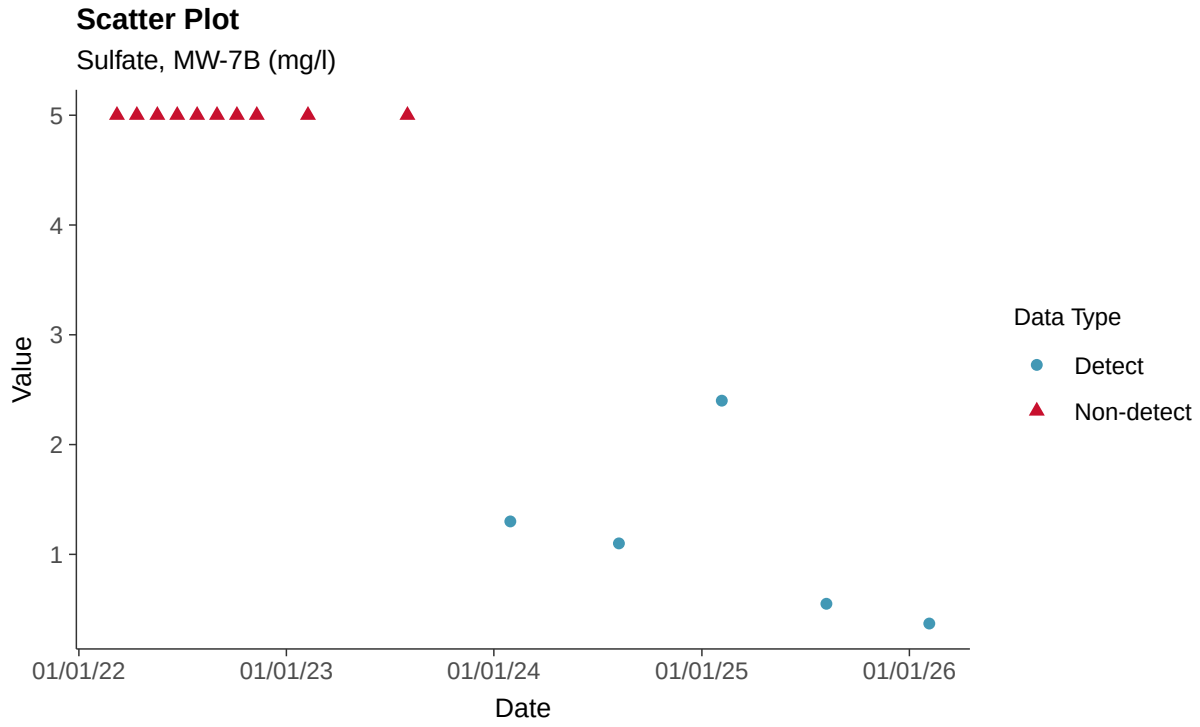
Trend Regression: Piecewise Linear-Linear-Linear

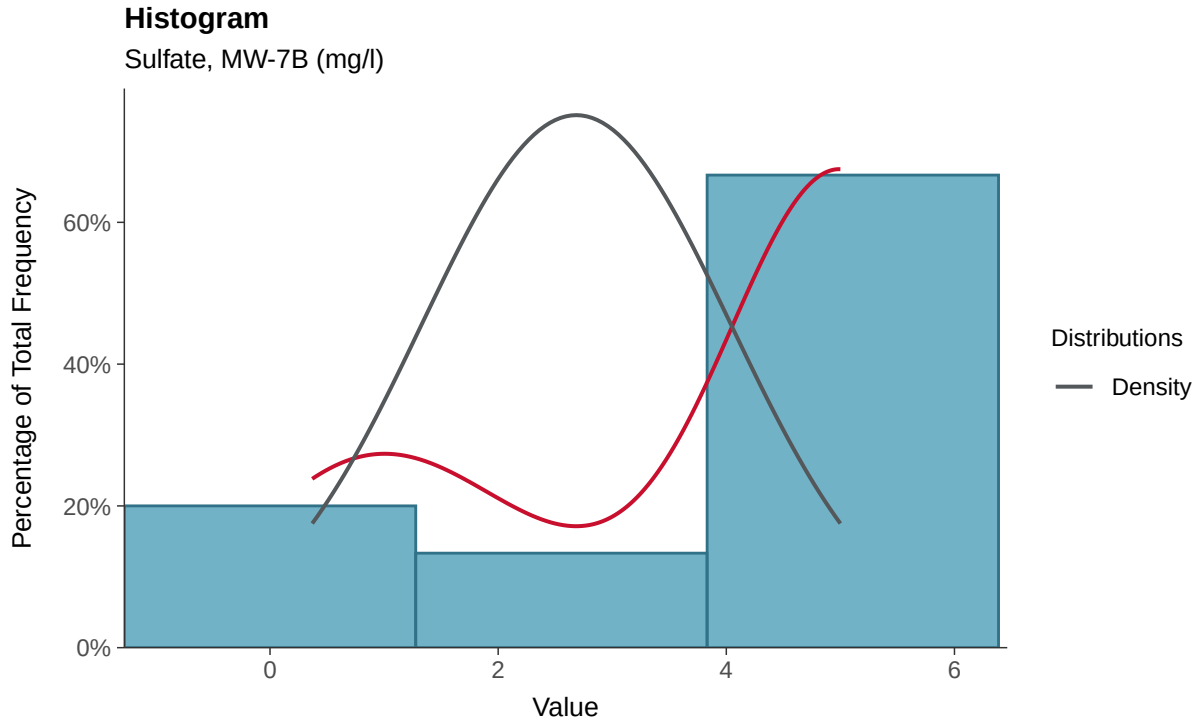
pH, Field, MW-7B (su)



Appendix III: Sulfate, MW-7B

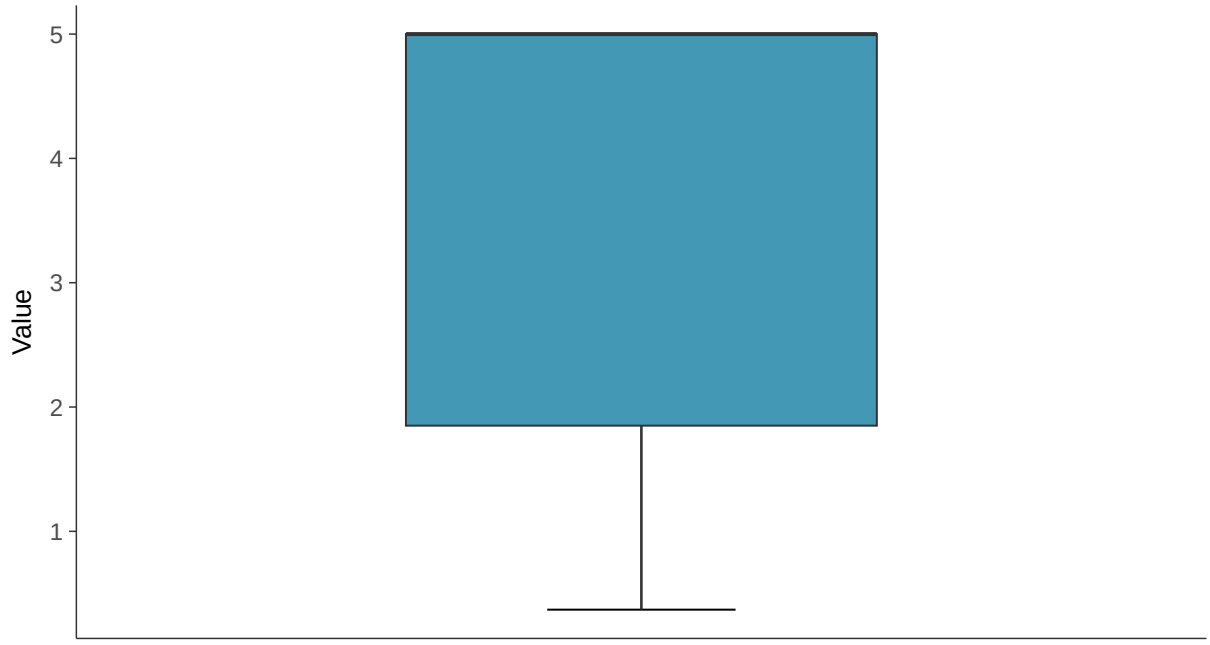
ID: 11_2_124





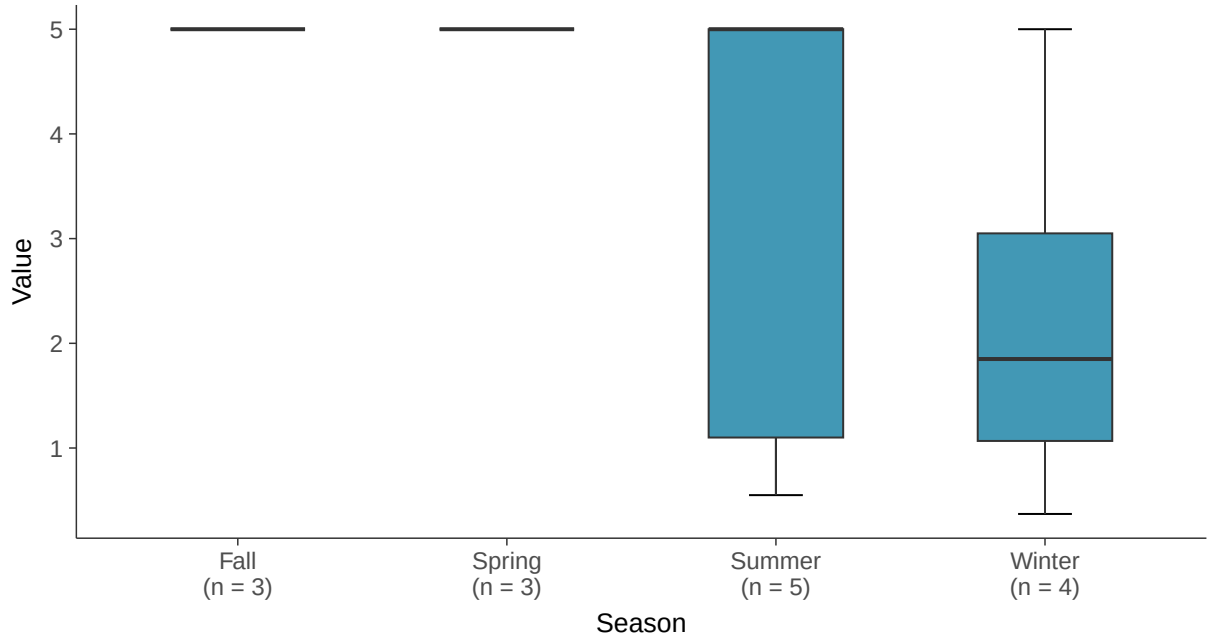
Boxplot

Sulfate, MW-7B (mg/l)



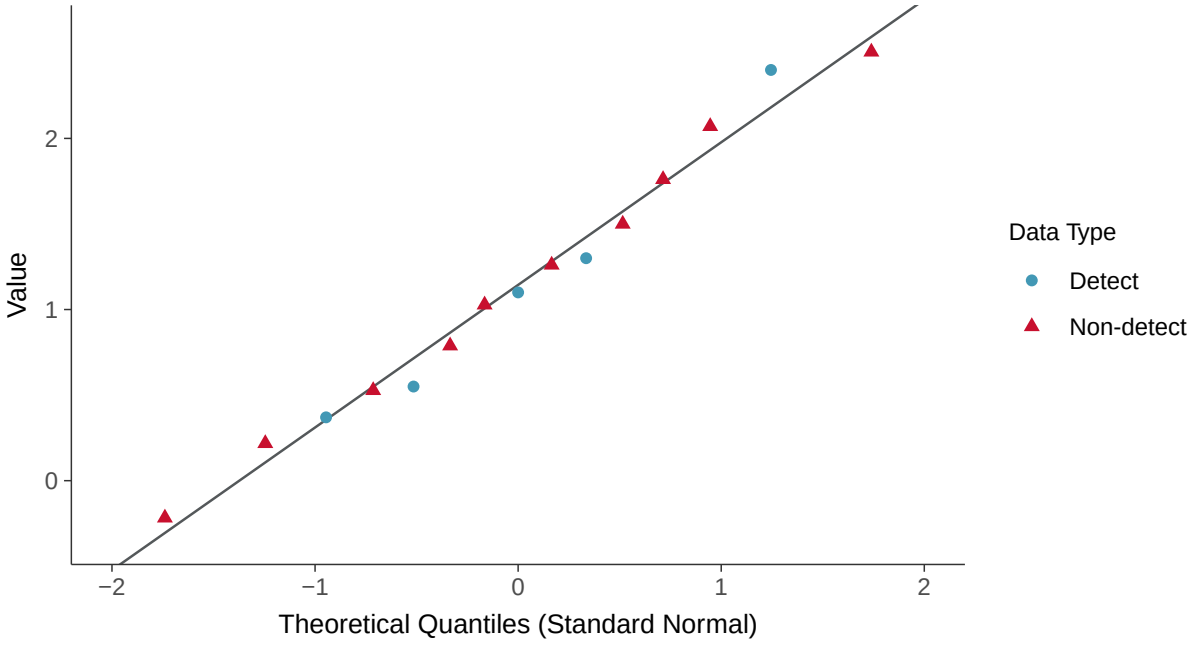
Boxplot by Season

Sulfate, MW-7B (mg/l)



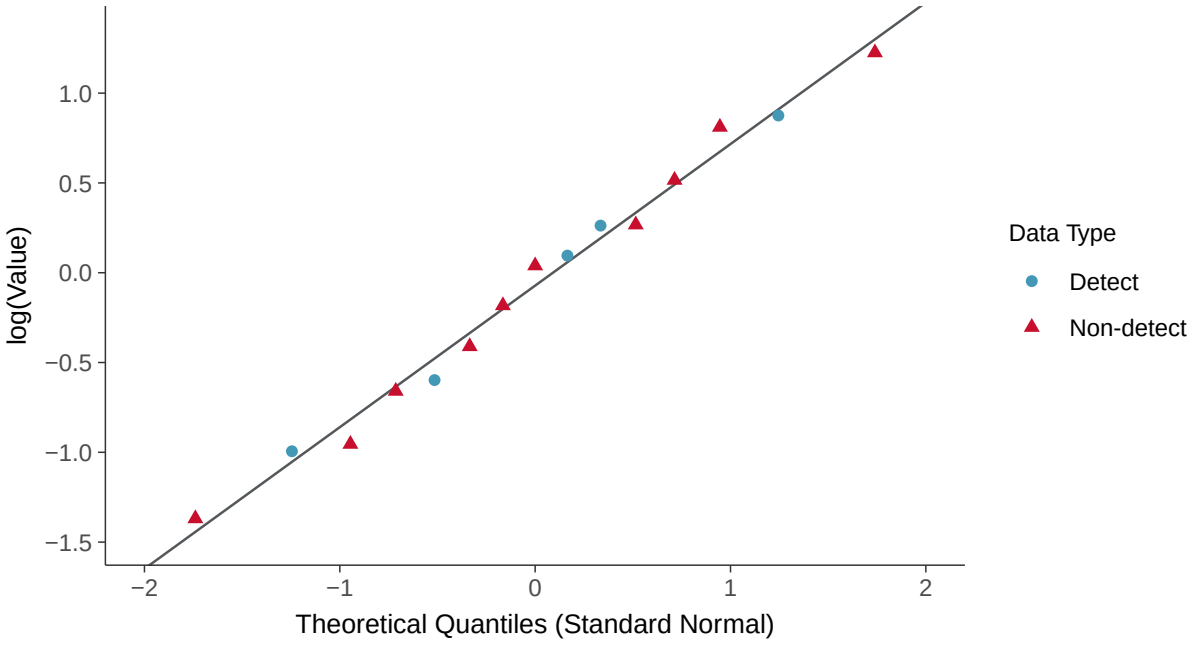
Normal Q-Q plot using ROS Imputed Estimates

Sulfate, MW-7B (mg/l)



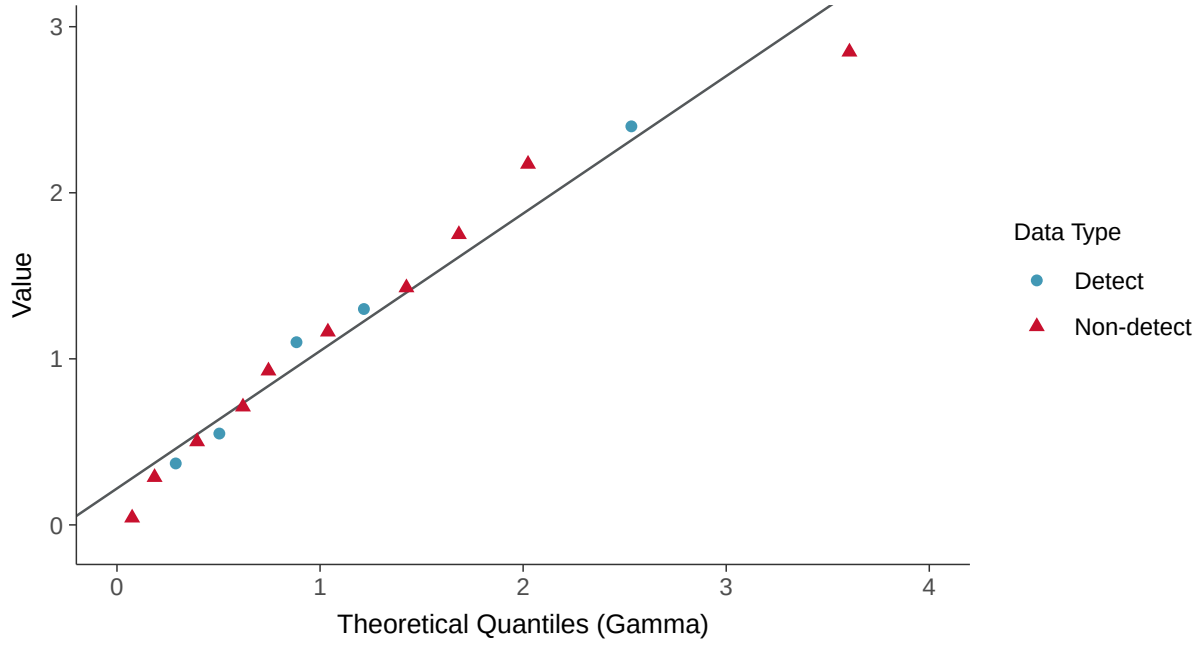
Lognormal Q-Q plot using ROS Imputed Estimates

Sulfate, MW-7B (mg/l)



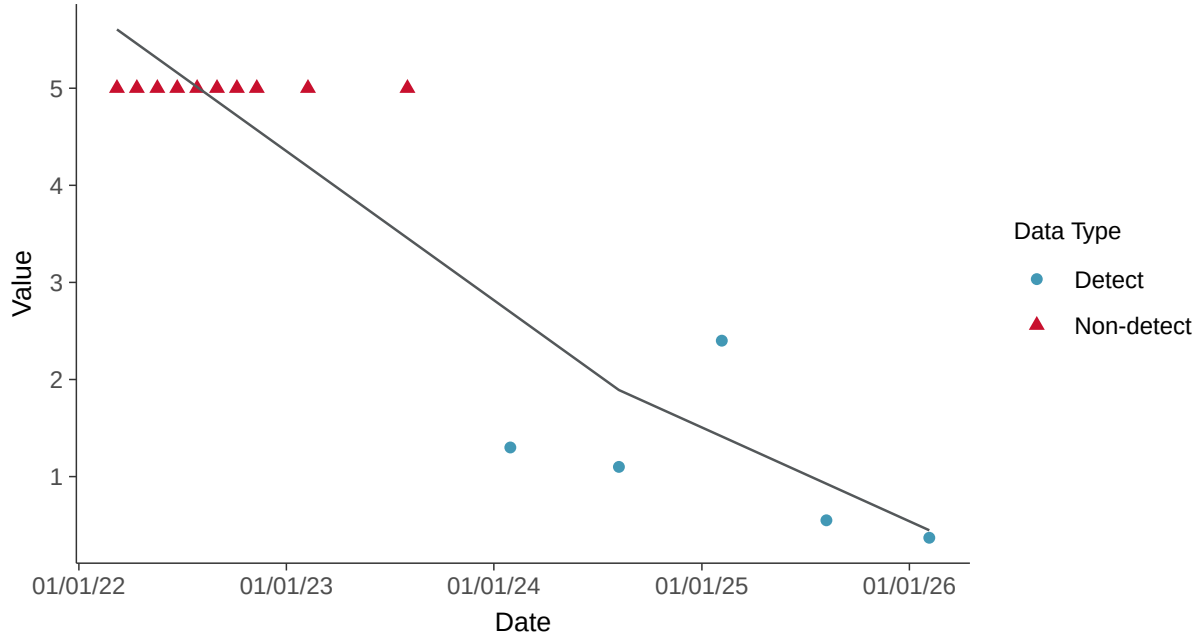
Gamma Q-Q plot using ROS Imputed Estimates

Sulfate, MW-7B (mg/l)



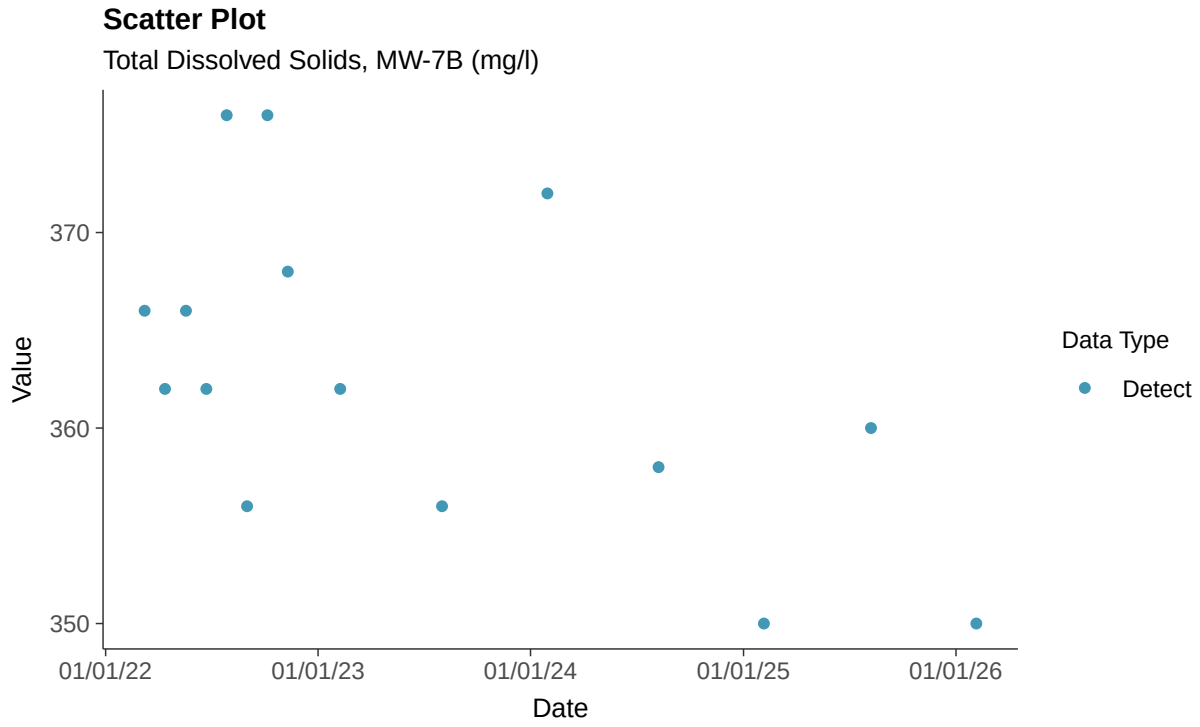
Trend Regression: Piecewise Linear-Linear

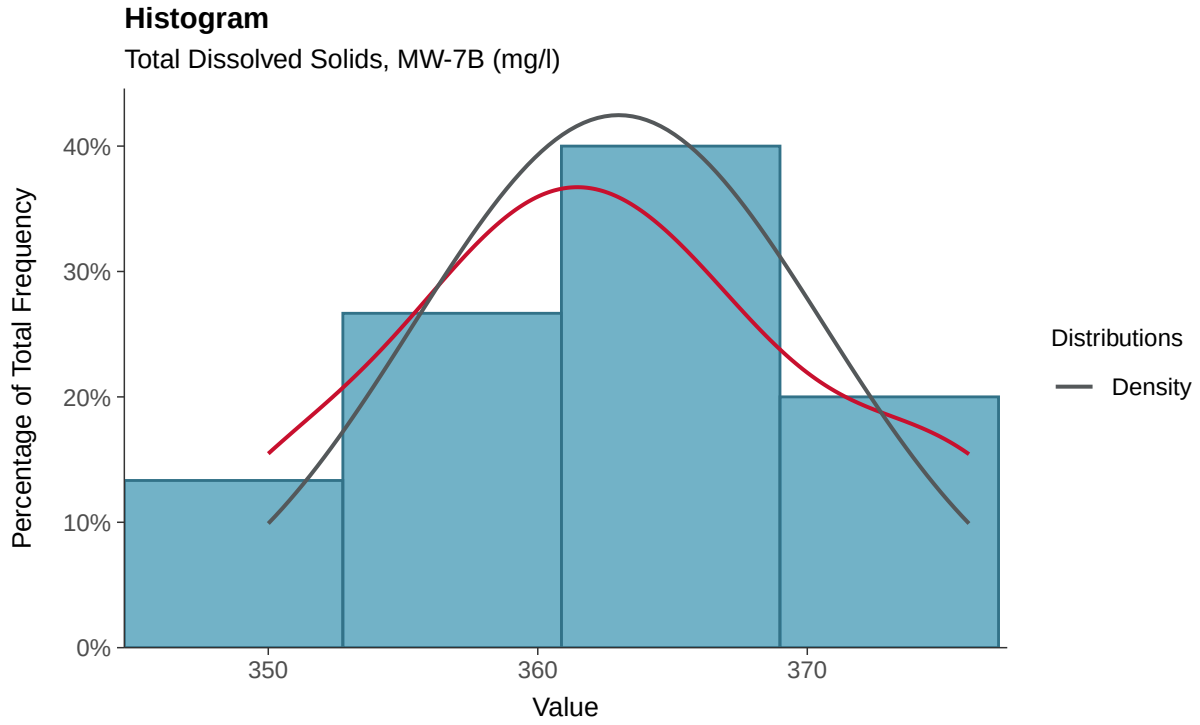
Sulfate, MW-7B (mg/l)



Appendix III: Total Dissolved Solids, MW-7B

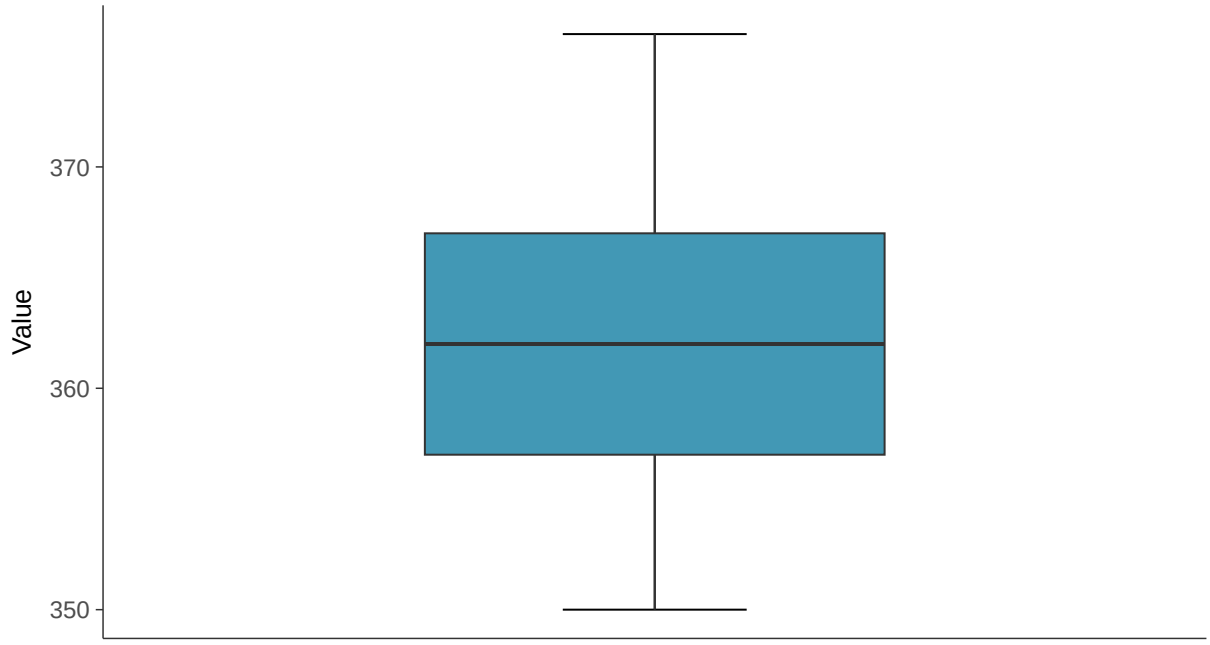
ID: 11_2_126





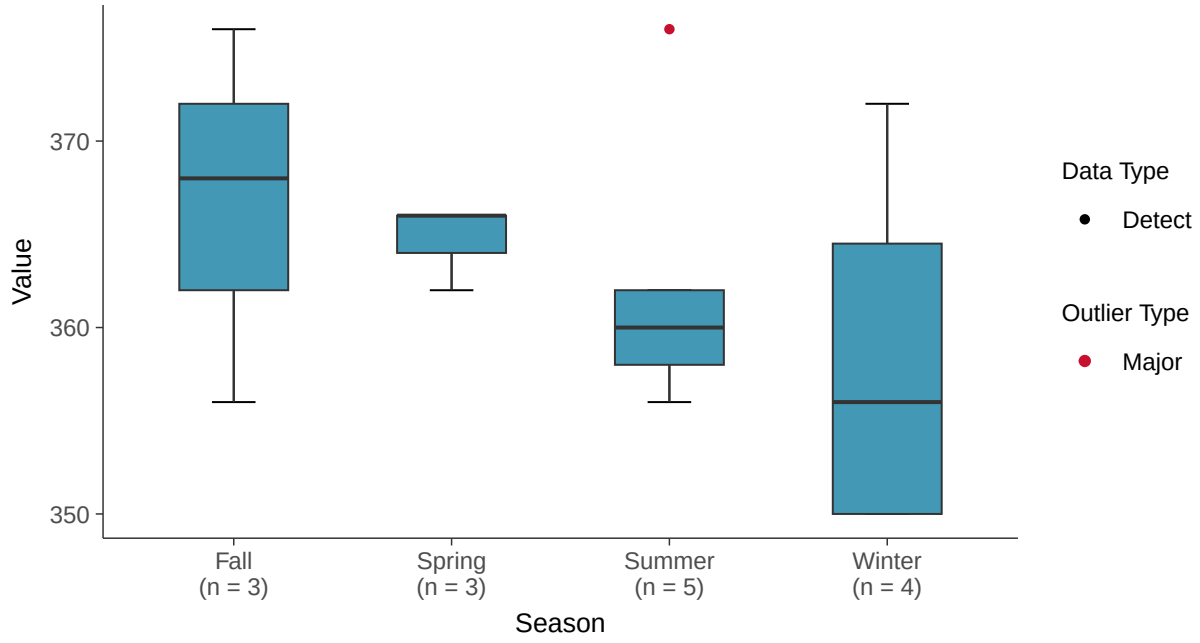
Boxplot

Total Dissolved Solids, MW-7B (mg/l)



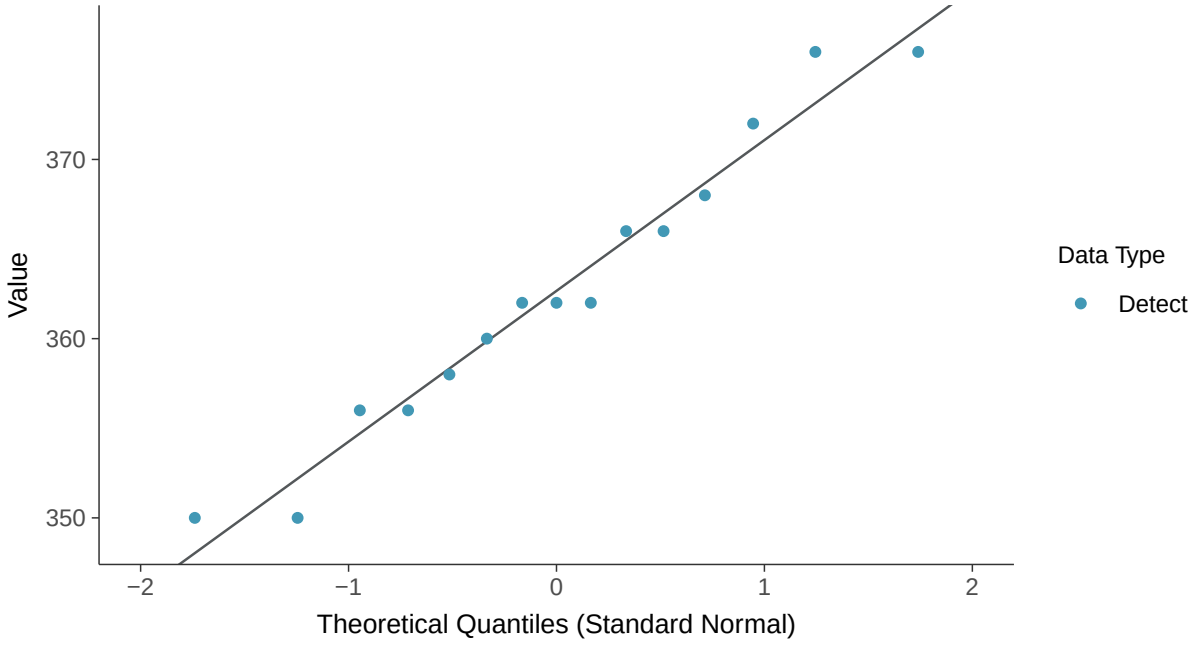
Boxplot by Season

Total Dissolved Solids, MW-7B (mg/l)



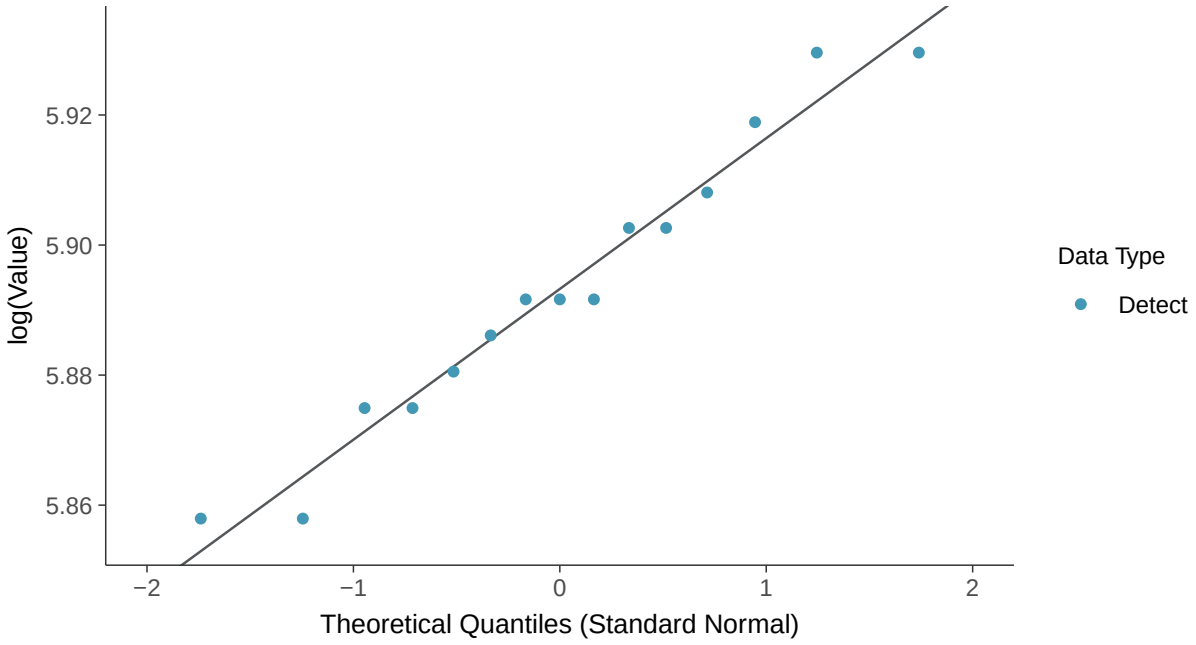
Normal Q-Q plot

Total Dissolved Solids, MW-7B (mg/l)



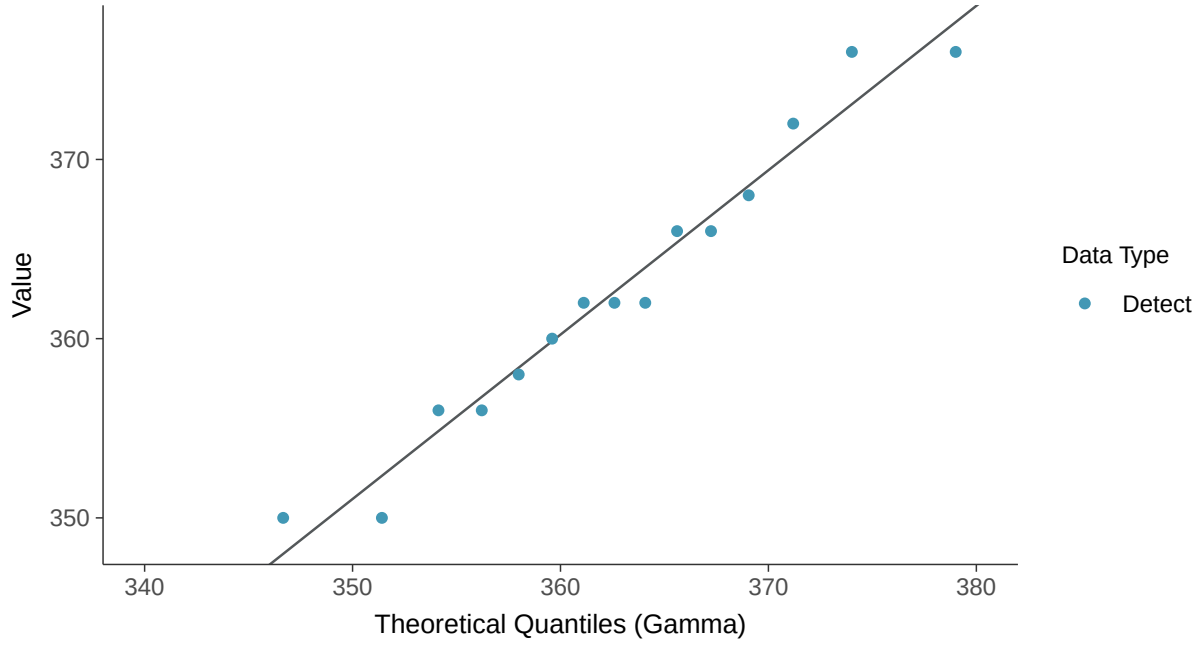
Lognormal Q-Q plot

Total Dissolved Solids, MW-7B (mg/l)



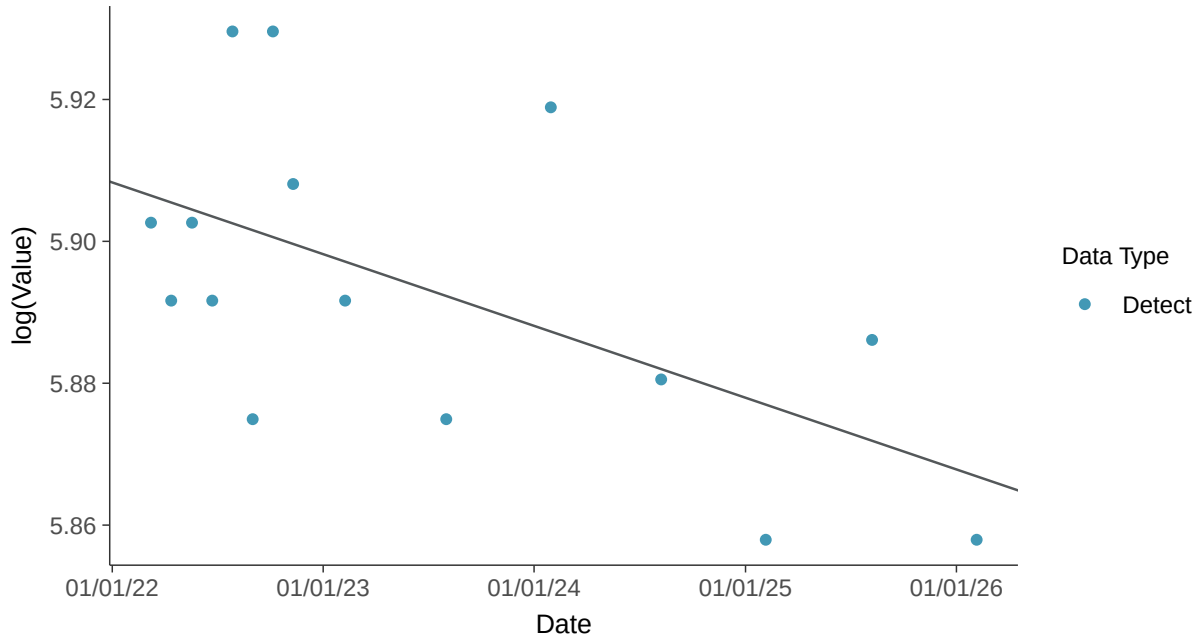
Gamma Q-Q plot

Total Dissolved Solids, MW-7B (mg/l)



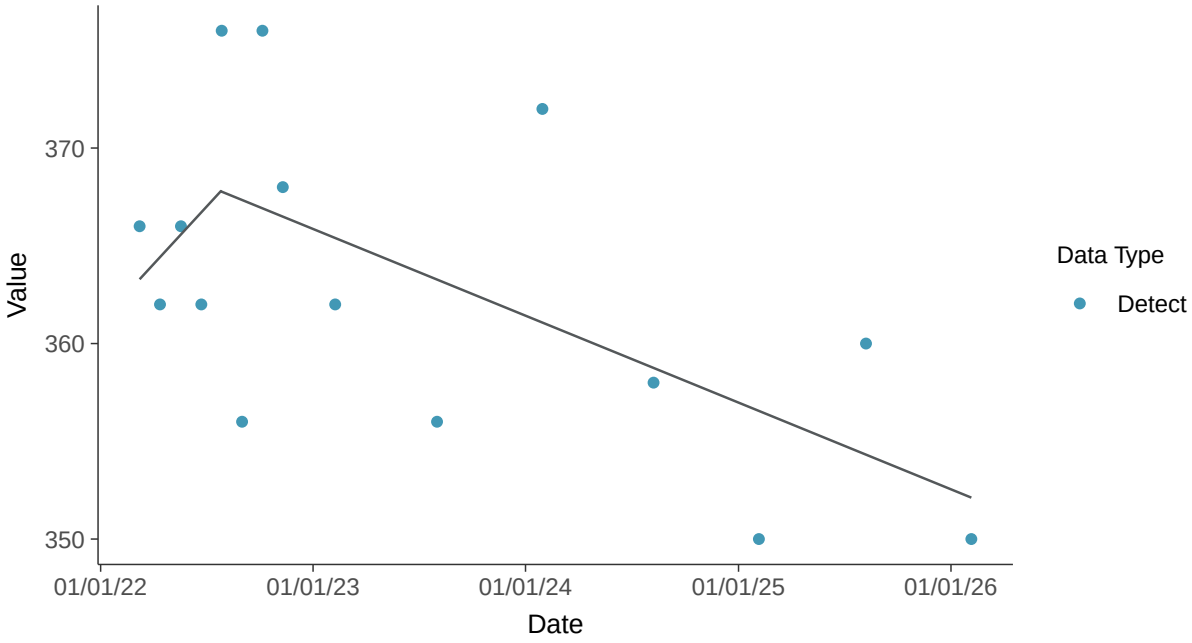
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-7B (mg/l)



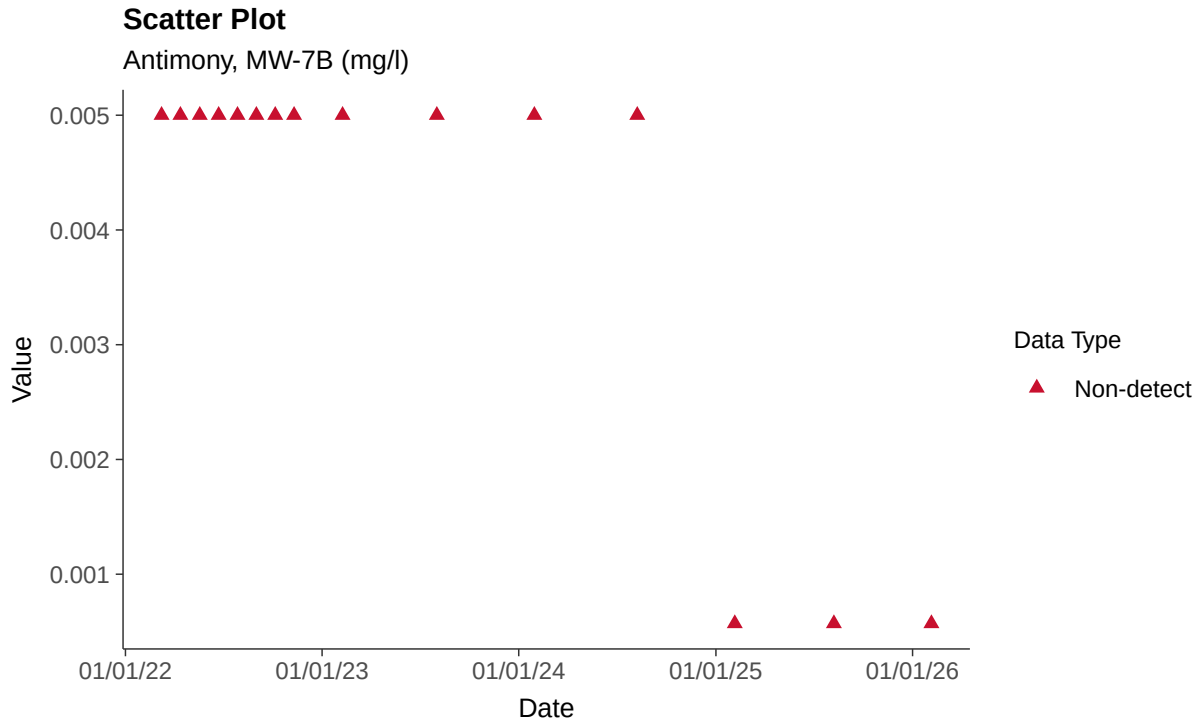
Trend Regression: Piecewise Linear-Linear

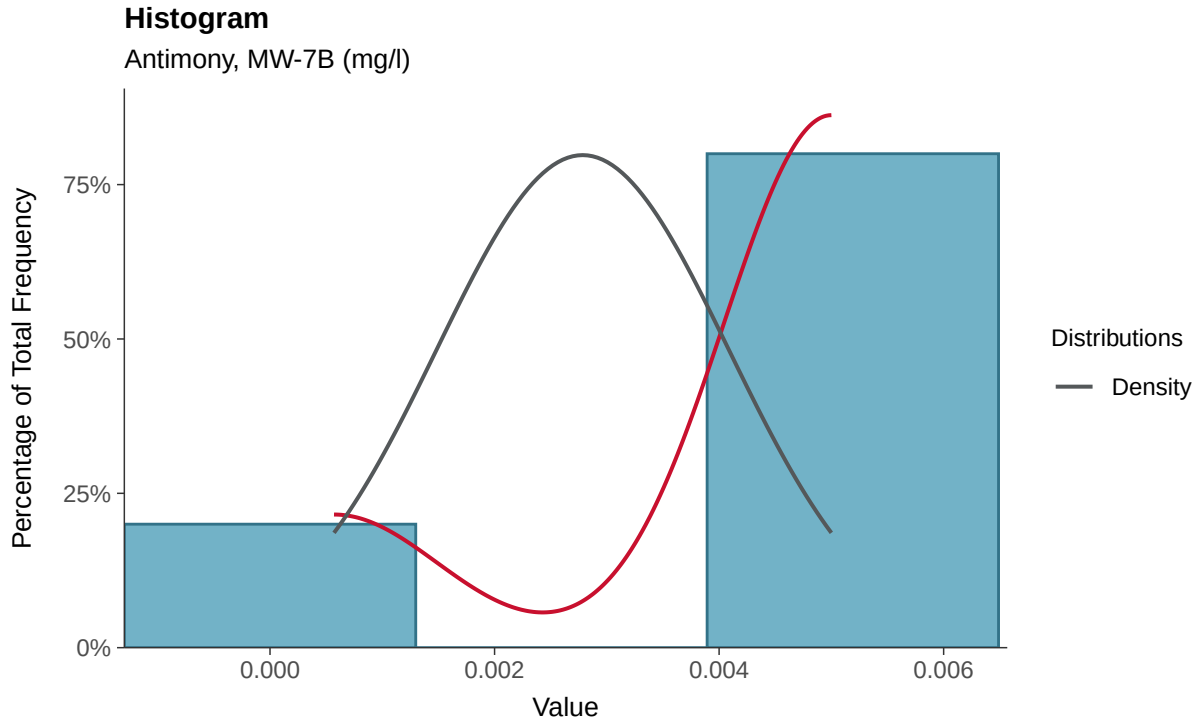
Total Dissolved Solids, MW-7B (mg/l)



Appendix IV: Antimony, MW-7B

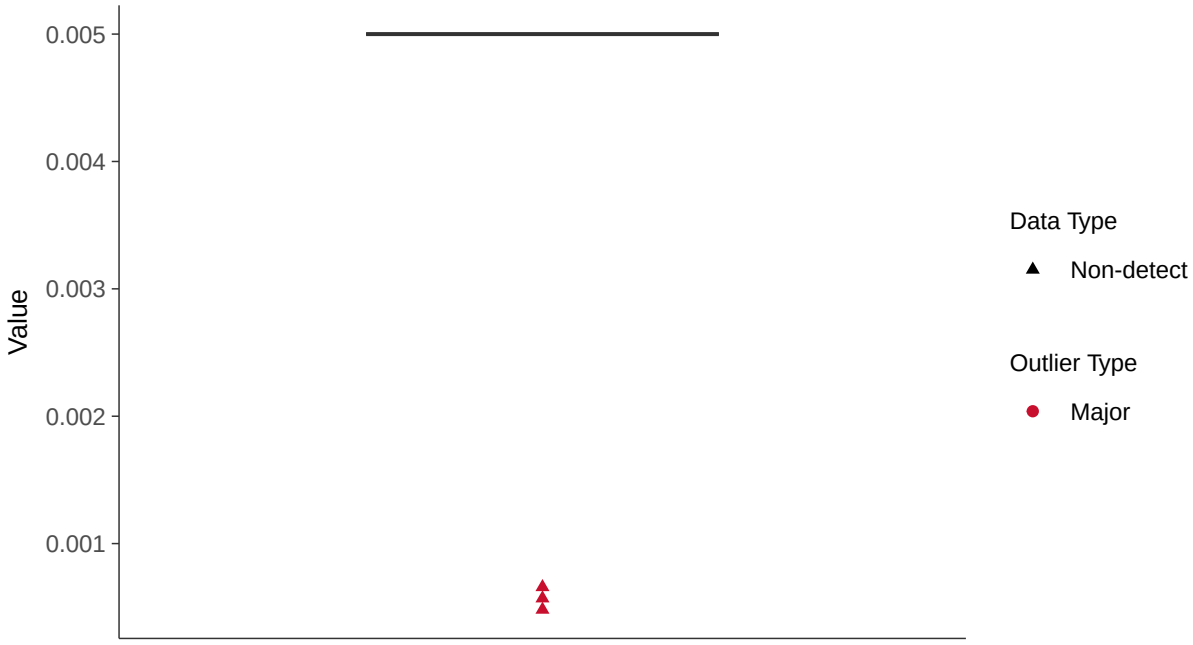
ID: 11_3_101





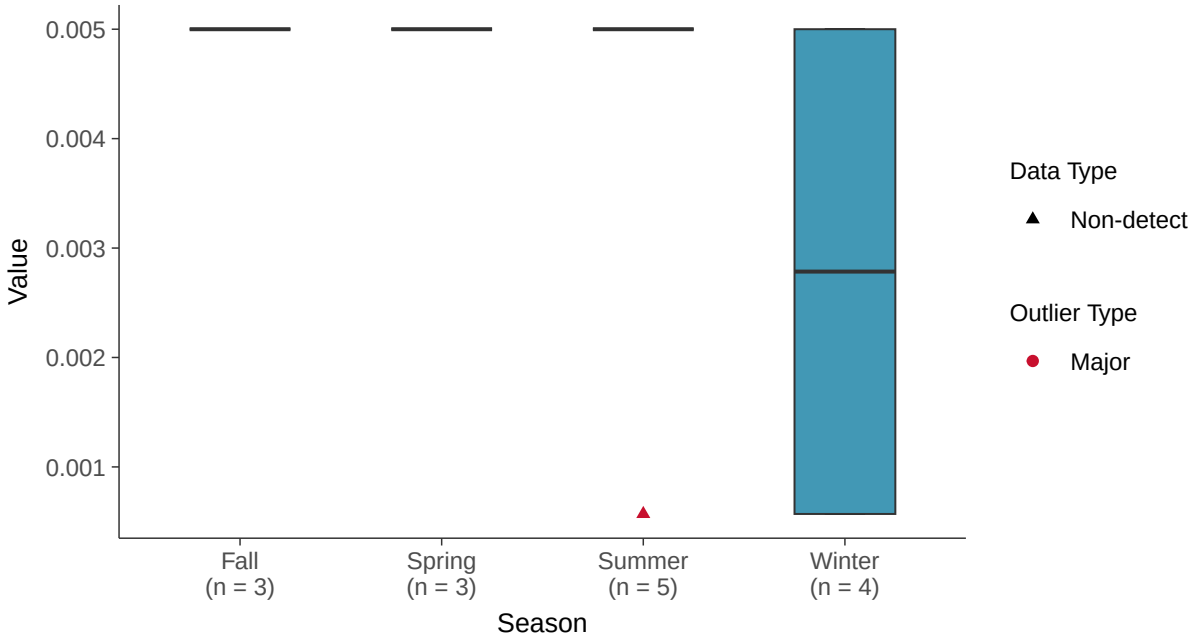
Boxplot

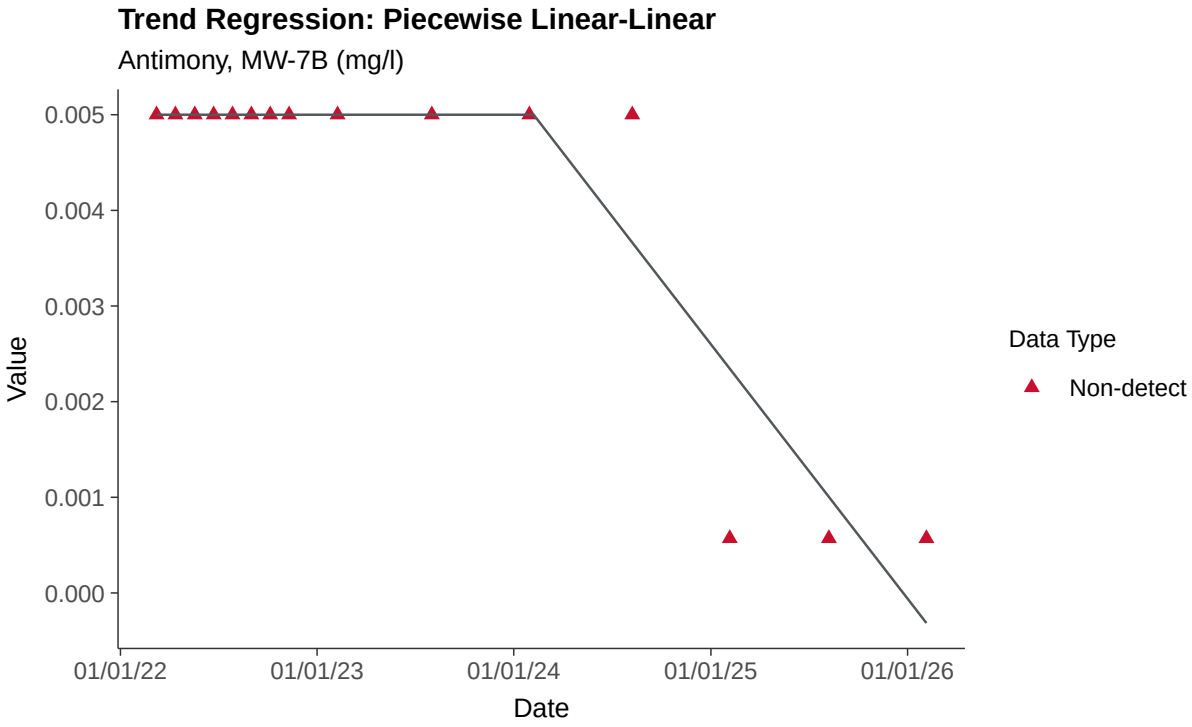
Antimony, MW-7B (mg/l)



Boxplot by Season

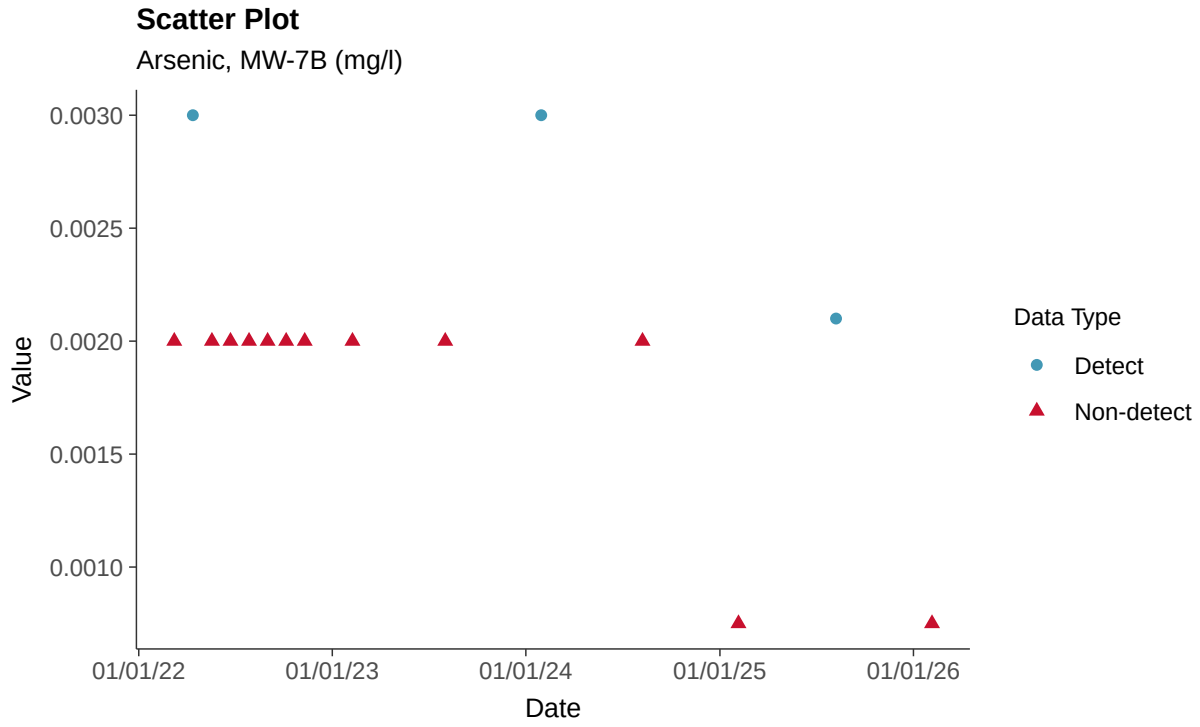
Antimony, MW-7B (mg/l)

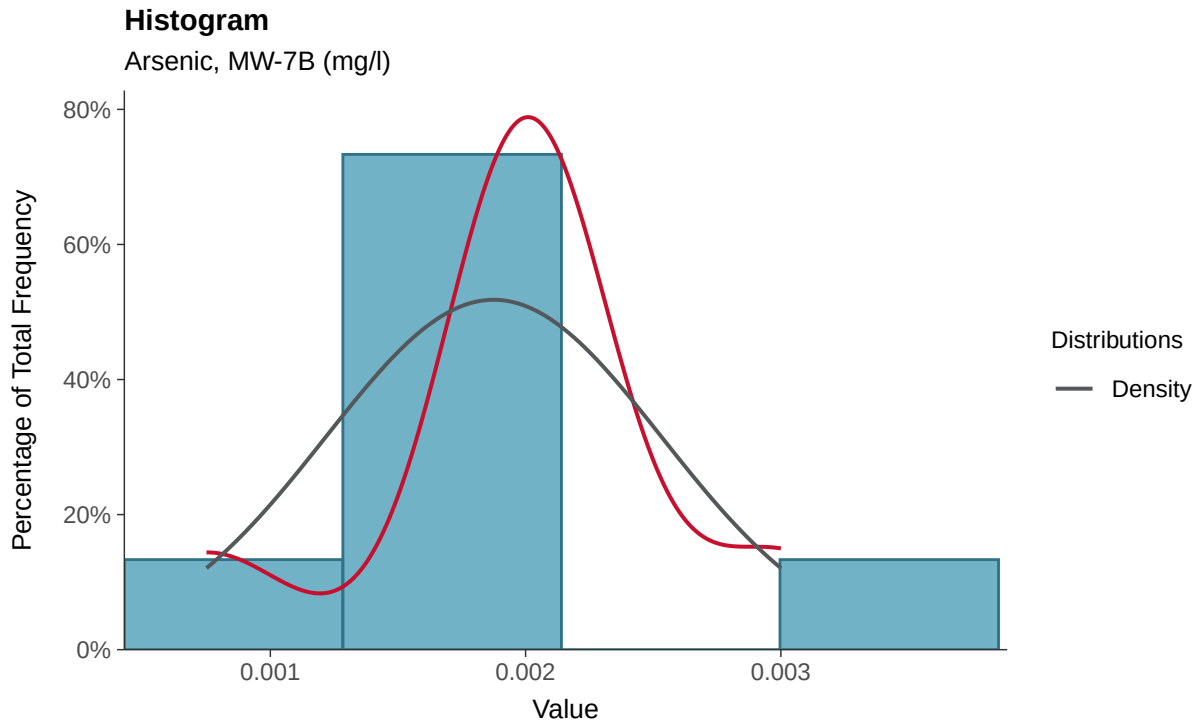



Trend Regression: Piecewise Linear-Linear
Antimony, MW-7B (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-7B

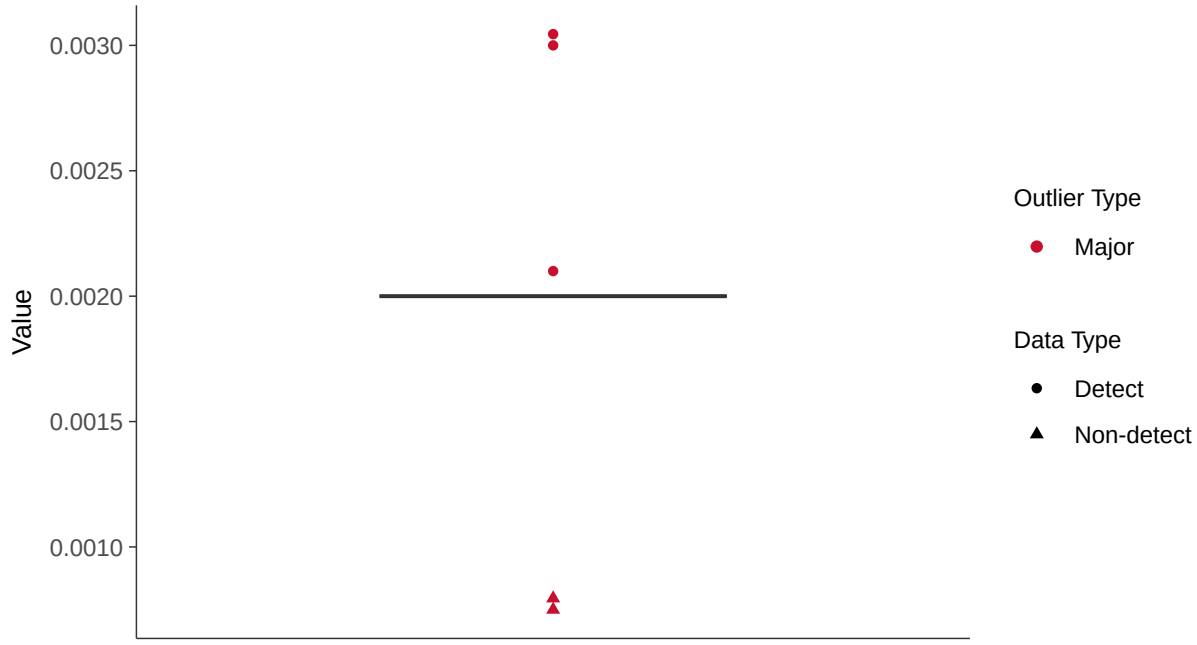
ID: 11_3_102





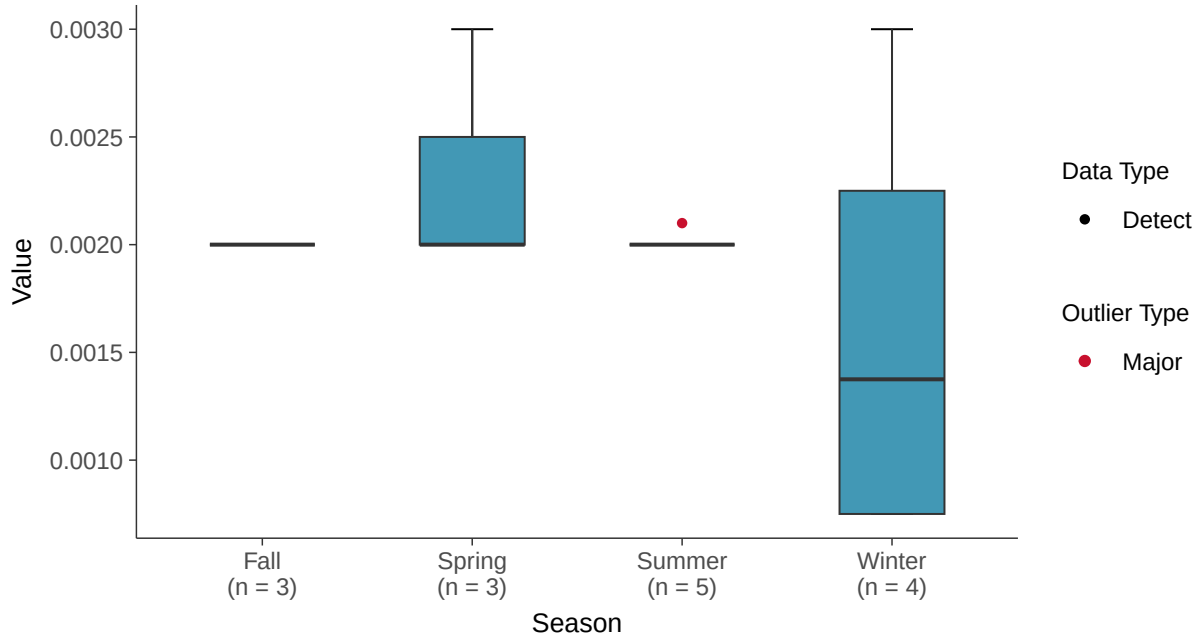
Boxplot

Arsenic, MW-7B (mg/l)



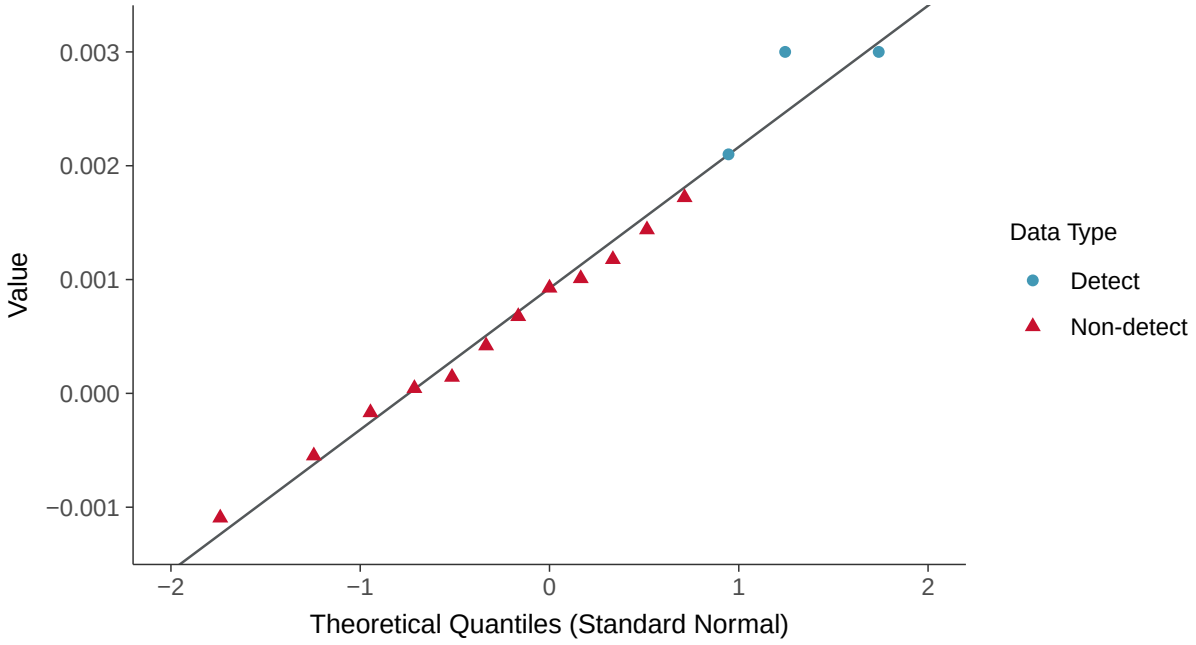
Boxplot by Season

Arsenic, MW-7B (mg/l)



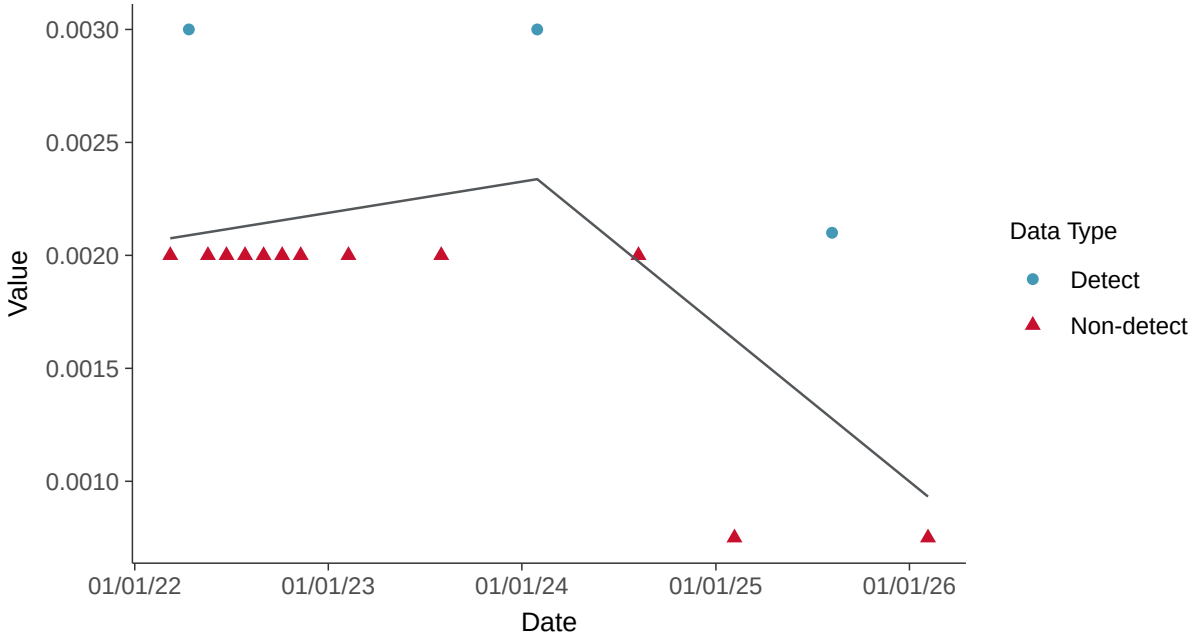
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-7B (mg/l)



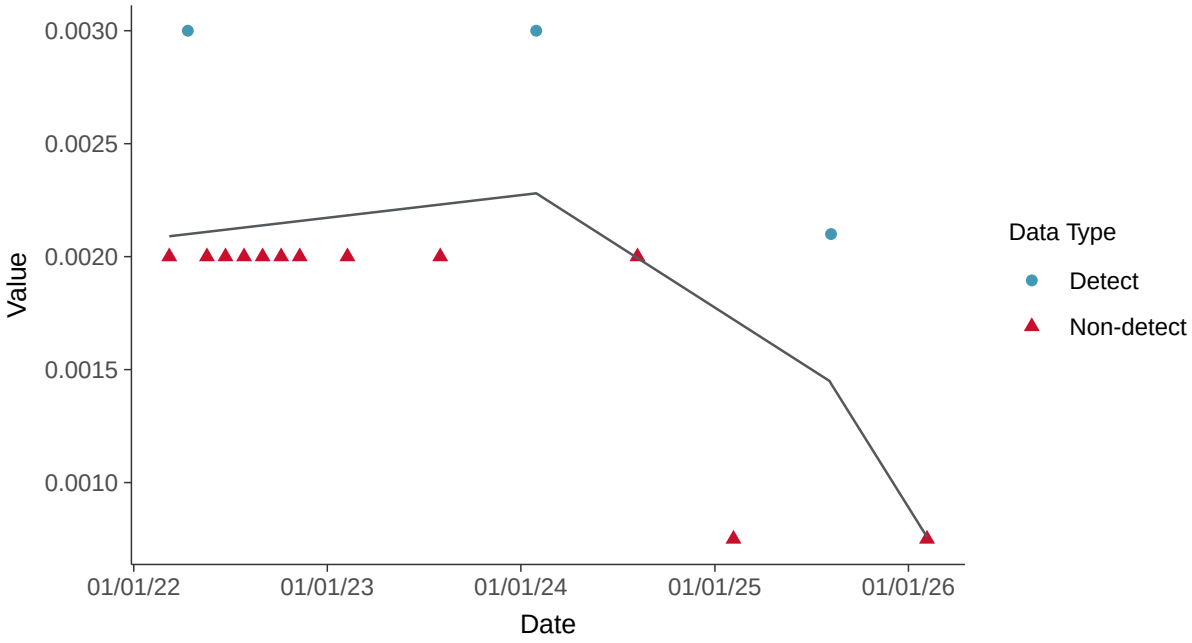
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-7B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Arsenic, MW-7B (mg/l)

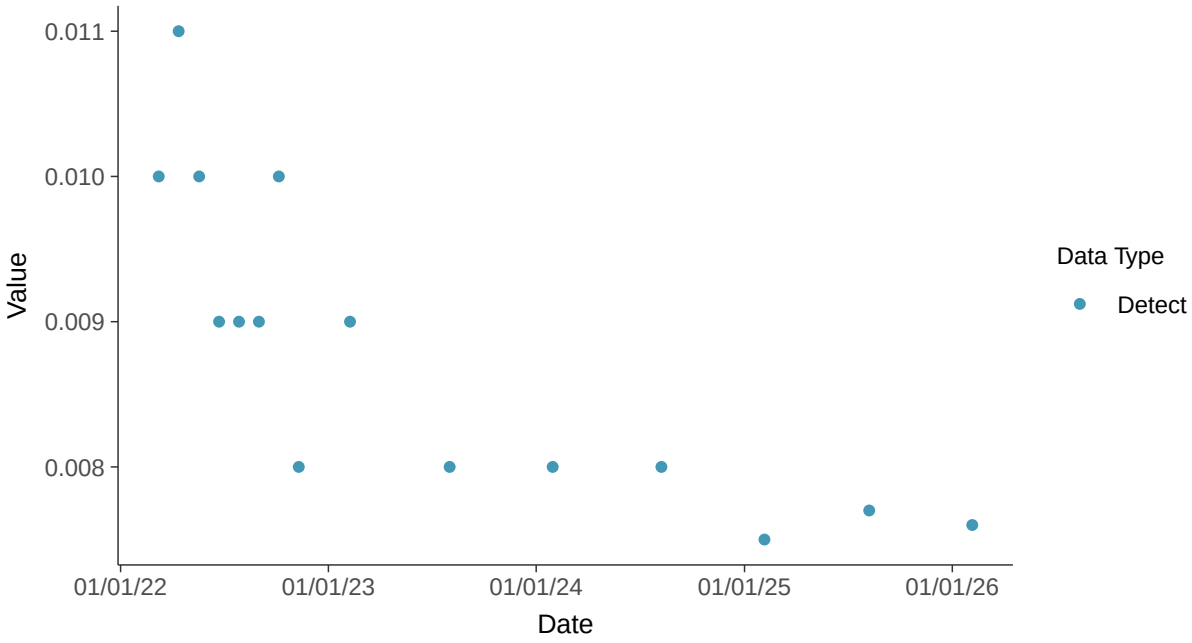


Appendix IV: Barium, MW-7B

ID: 11_3_103

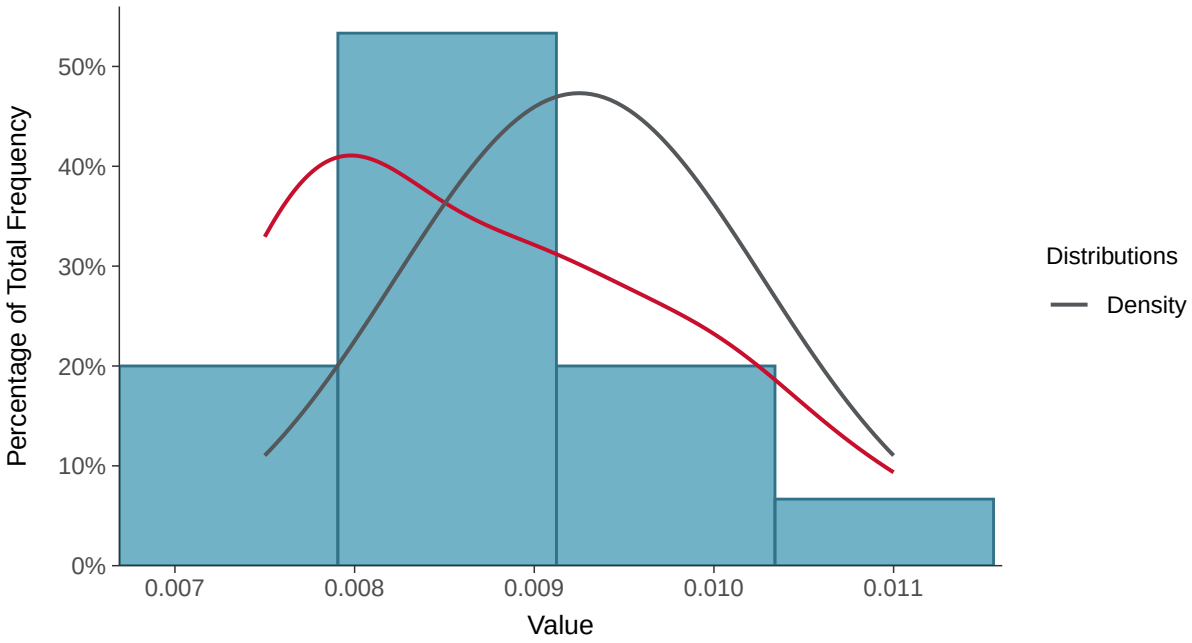
Scatter Plot

Barium, MW-7B (mg/l)



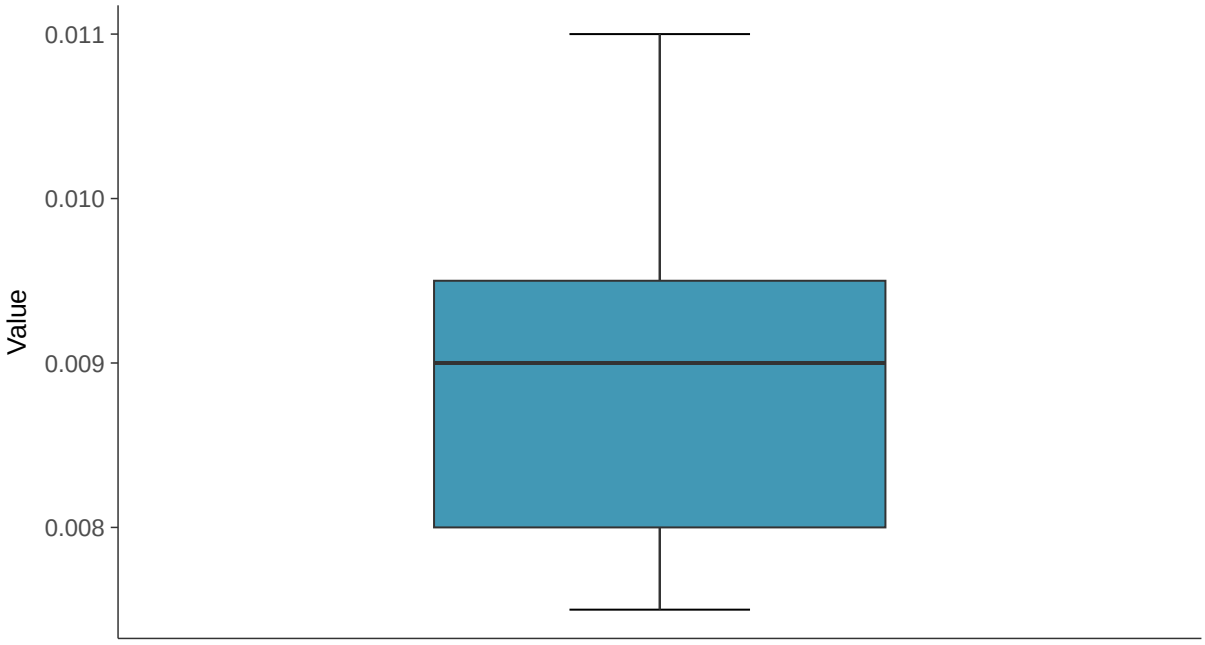
Histogram

Barium, MW-7B (mg/l)



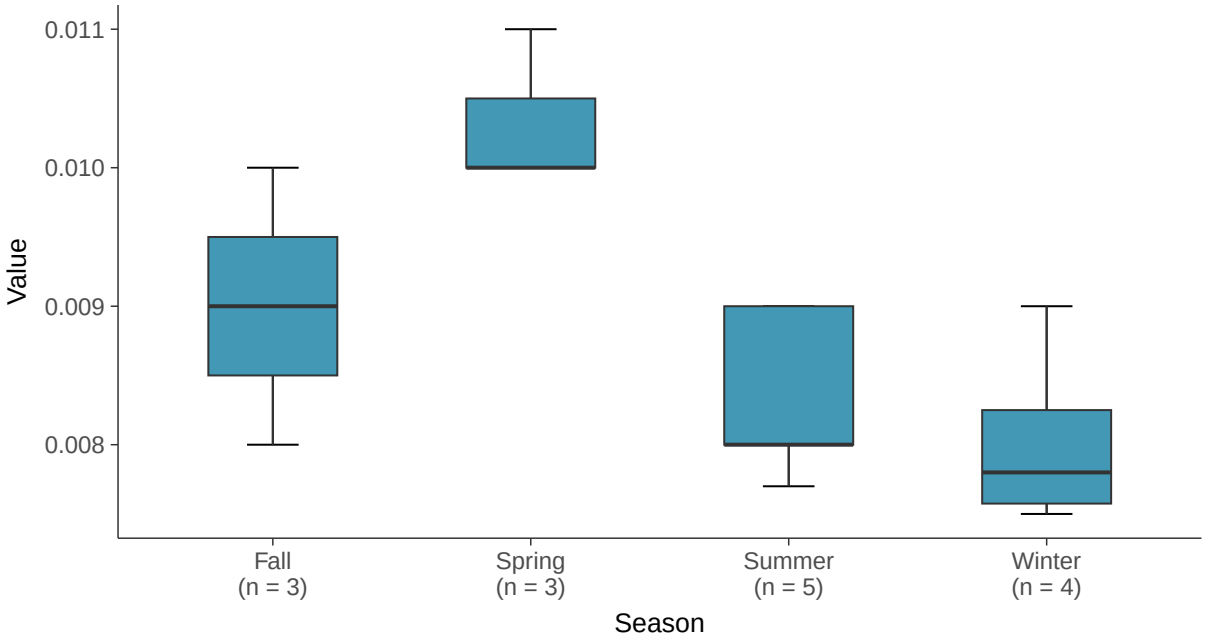
Boxplot

Barium, MW-7B (mg/l)



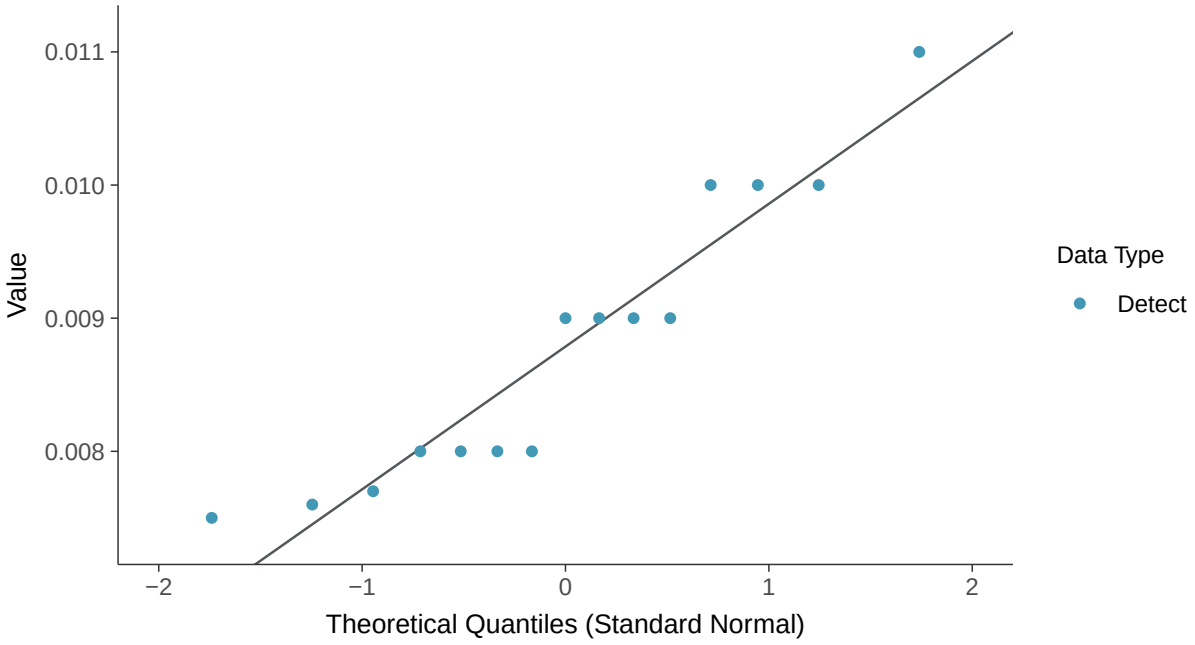
Boxplot by Season

Barium, MW-7B (mg/l)



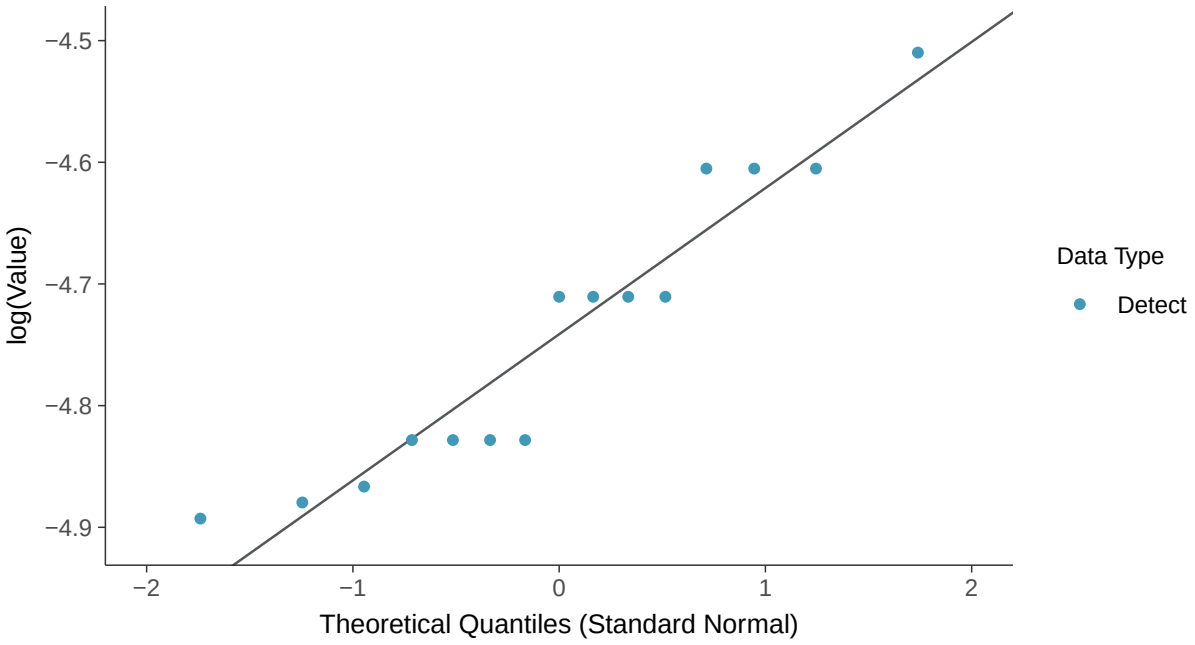
Normal Q-Q plot

Barium, MW-7B (mg/l)



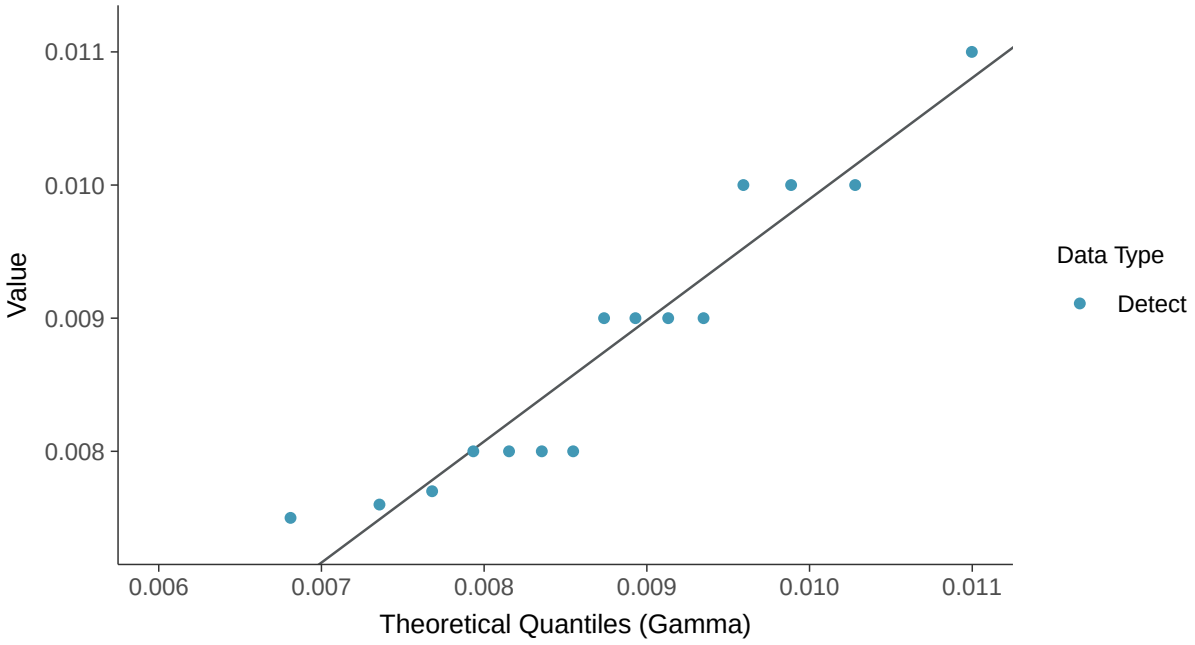
Lognormal Q-Q plot

Barium, MW-7B (mg/l)



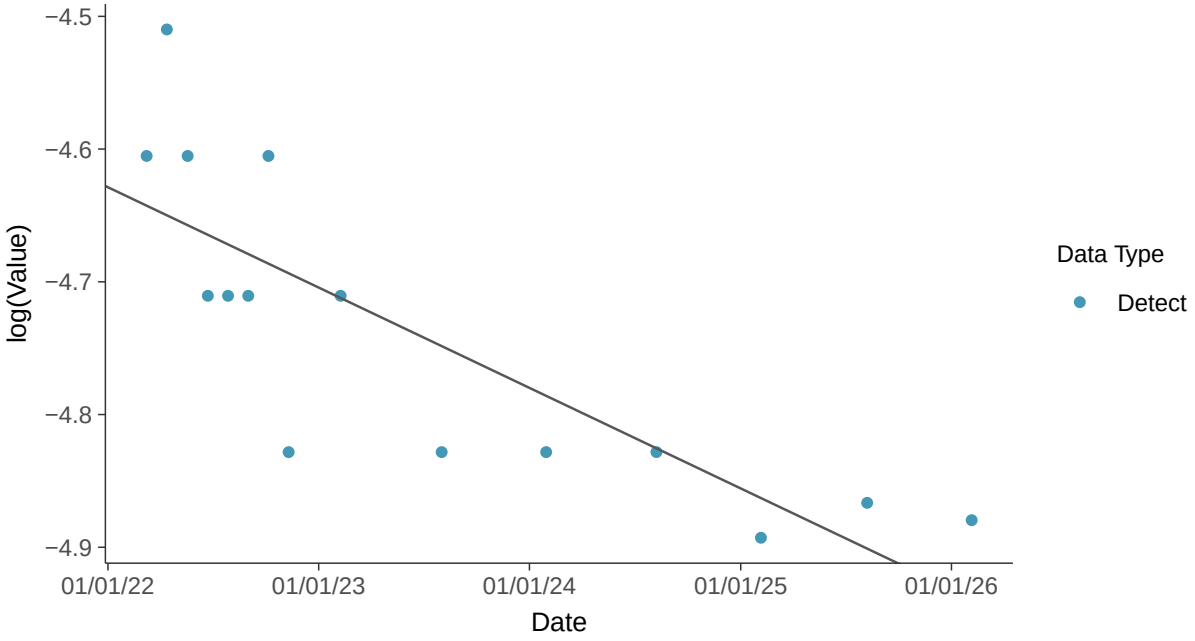
Gamma Q-Q plot

Barium, MW-7B (mg/l)



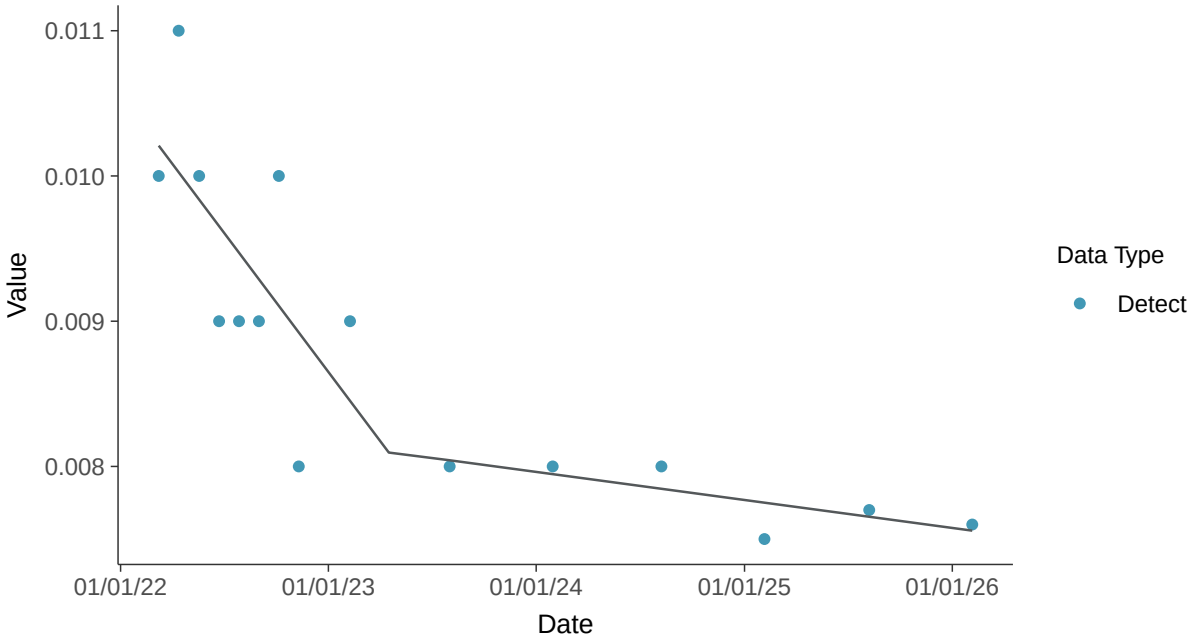
Trend Regression: Lognormal MLE

Barium, MW-7B (mg/l)



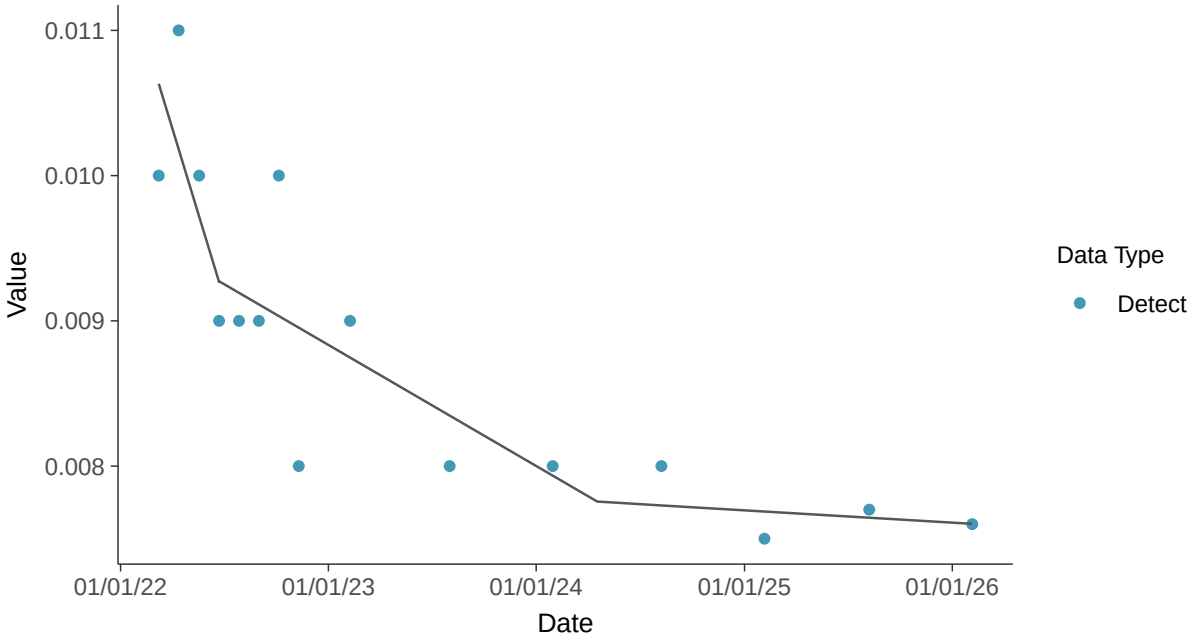
Trend Regression: Piecewise Linear-Linear

Barium, MW-7B (mg/l)



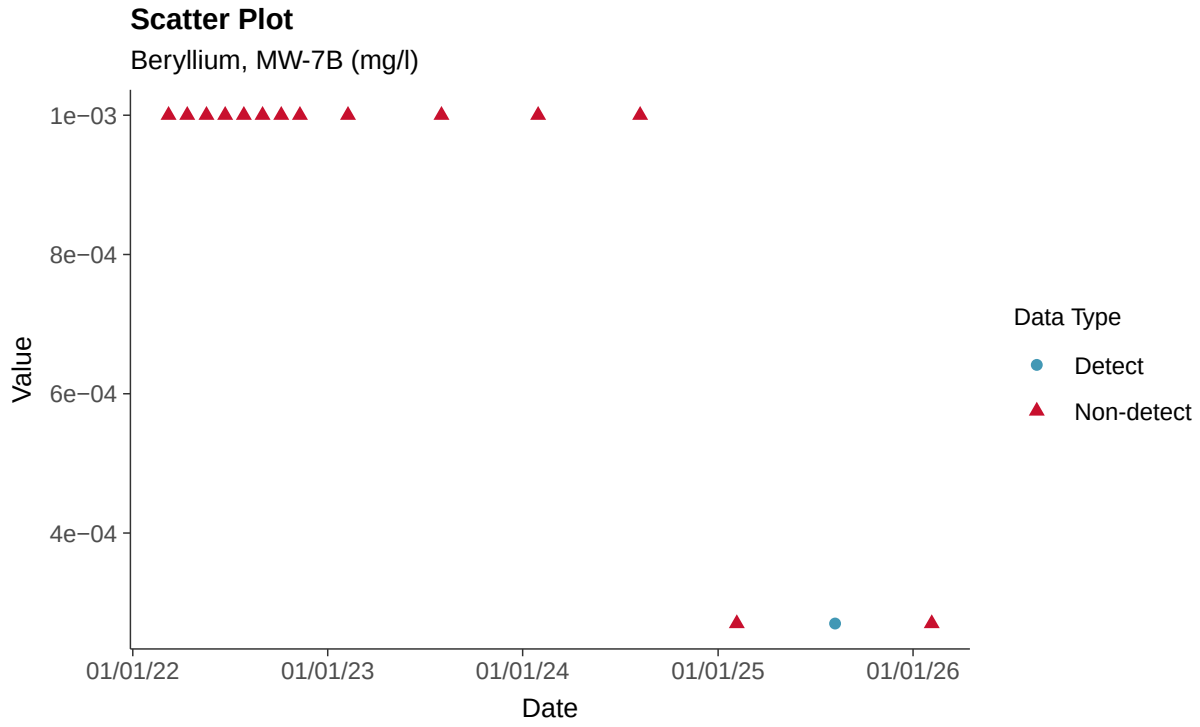
Trend Regression: Piecewise Linear-Linear-Linear

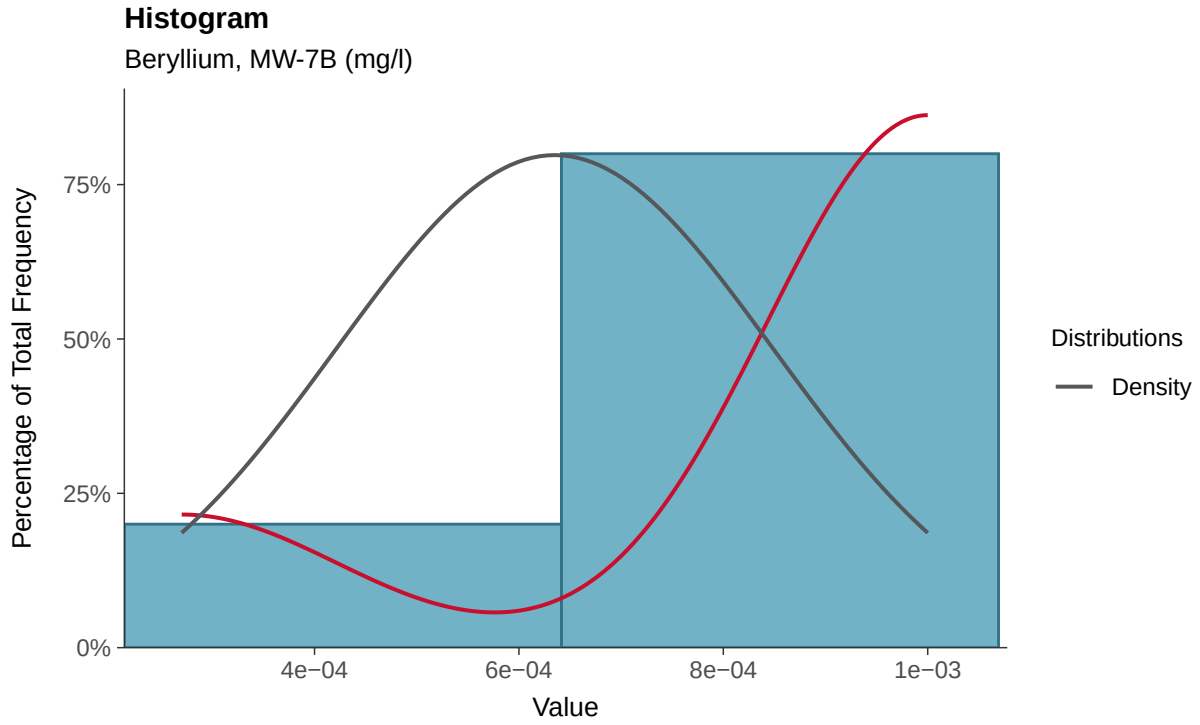
Barium, MW-7B (mg/l)



Appendix IV: Beryllium, MW-7B

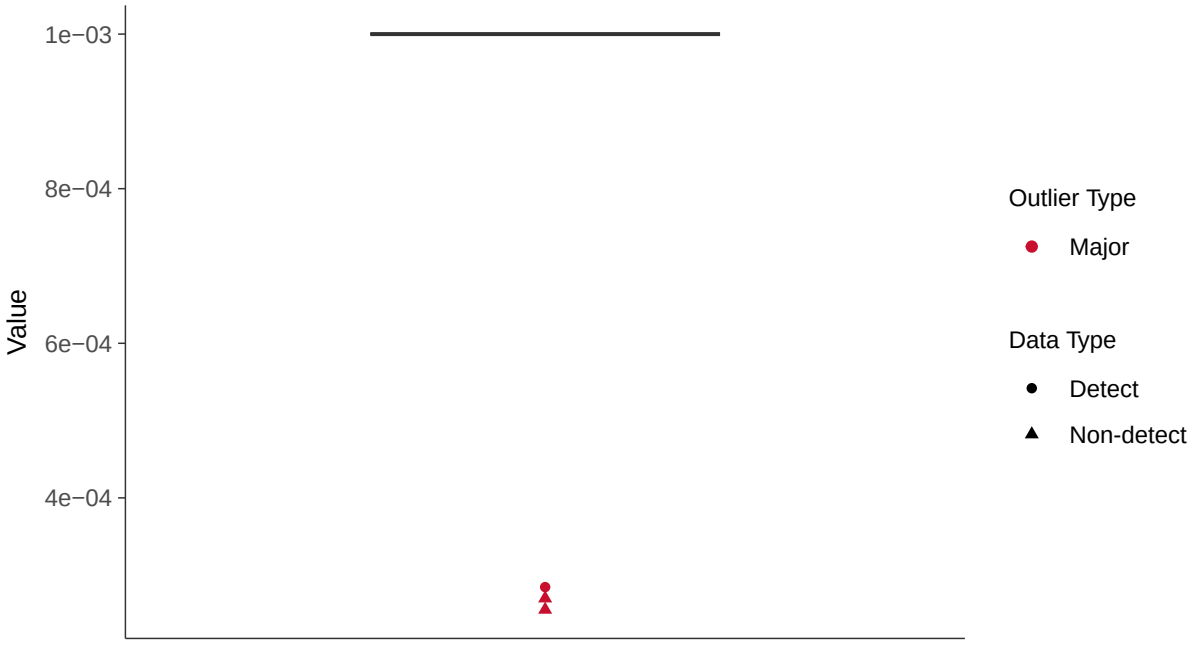
ID: 11_3_104





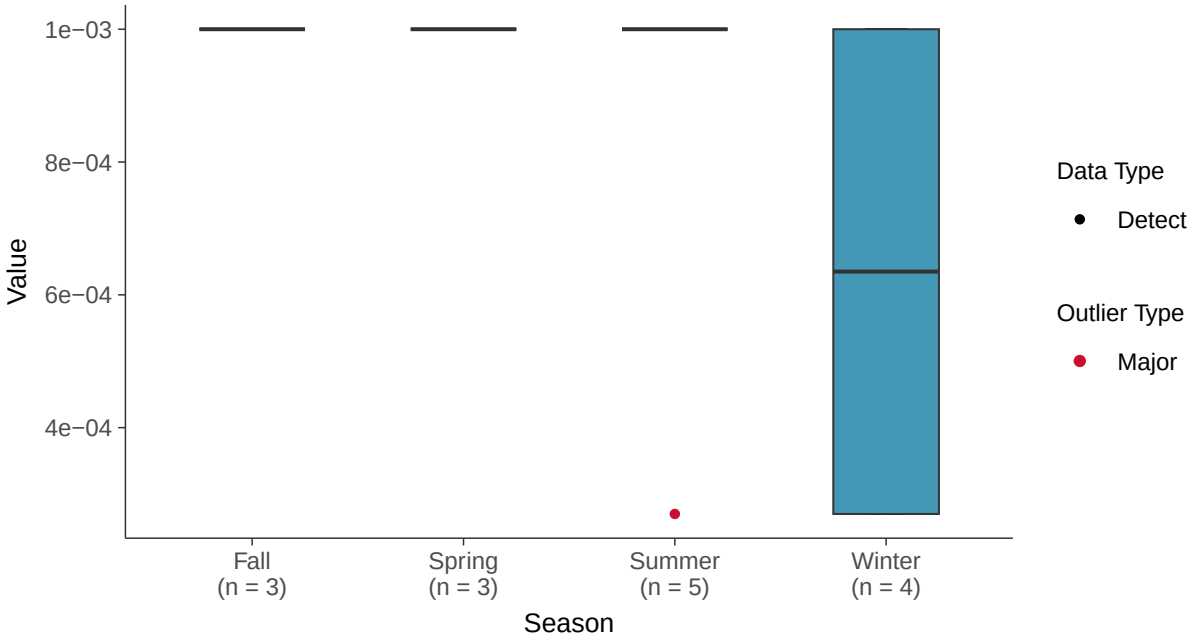
Boxplot

Beryllium, MW-7B (mg/l)



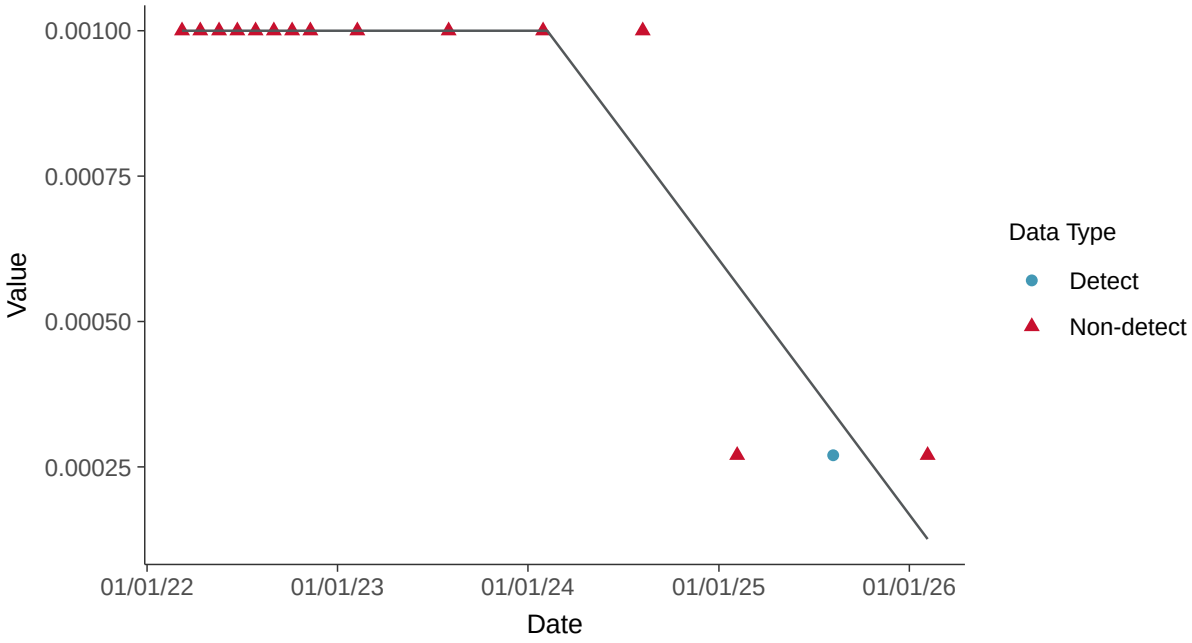
Boxplot by Season

Beryllium, MW-7B (mg/l)



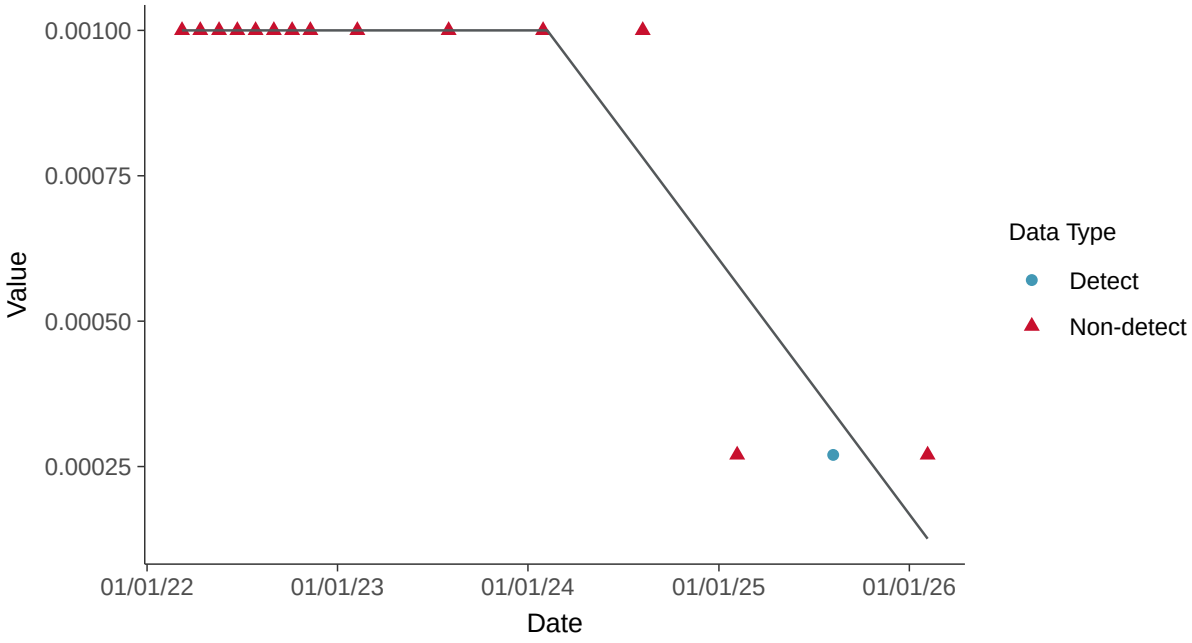
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-7B (mg/l)



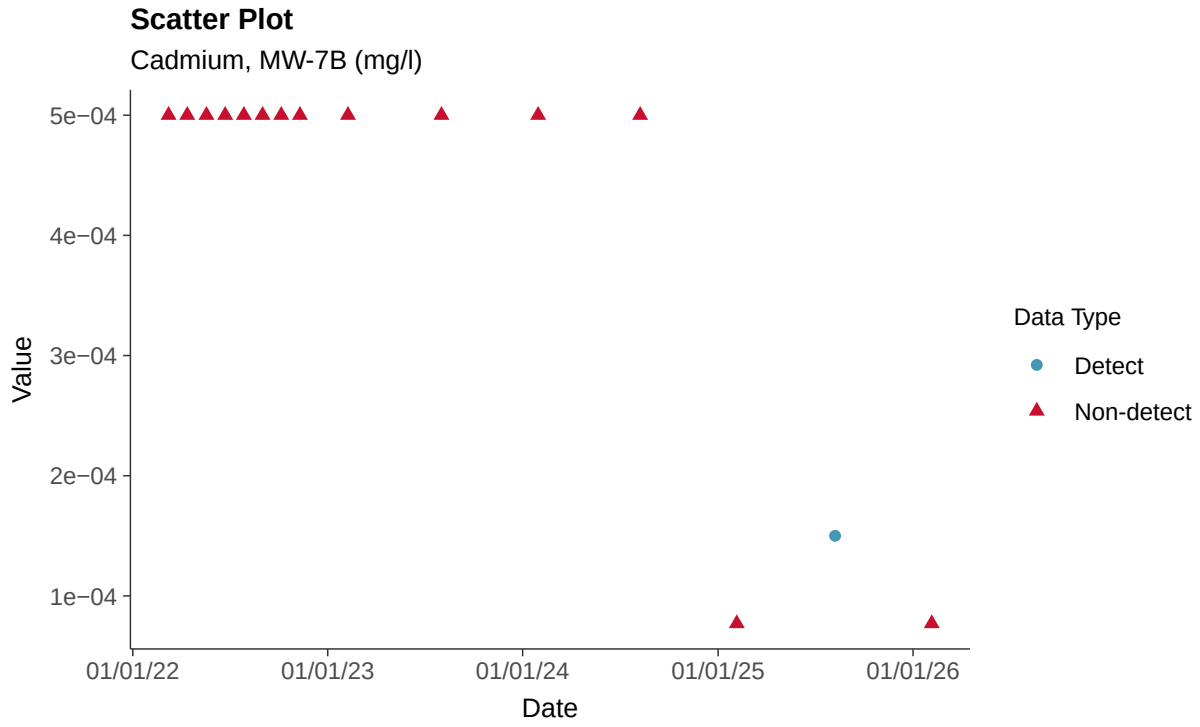
Trend Regression: Piecewise Linear-Linear-Linear

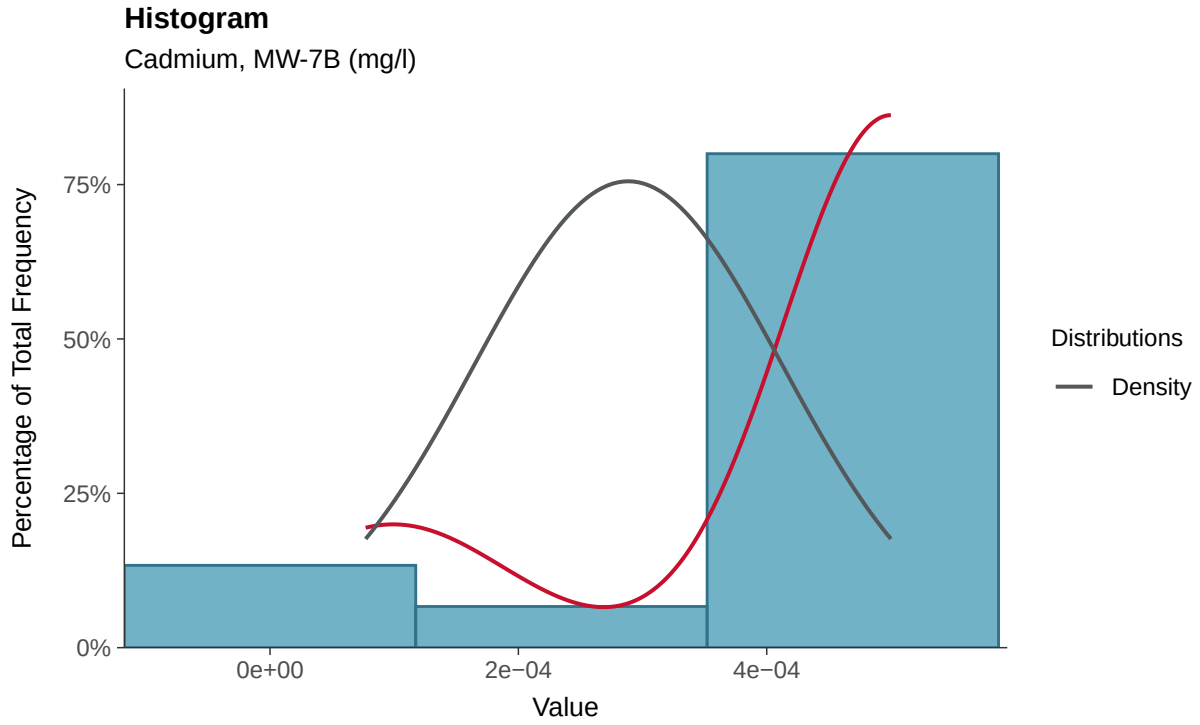
Beryllium, MW-7B (mg/l)



Appendix IV: Cadmium, MW-7B

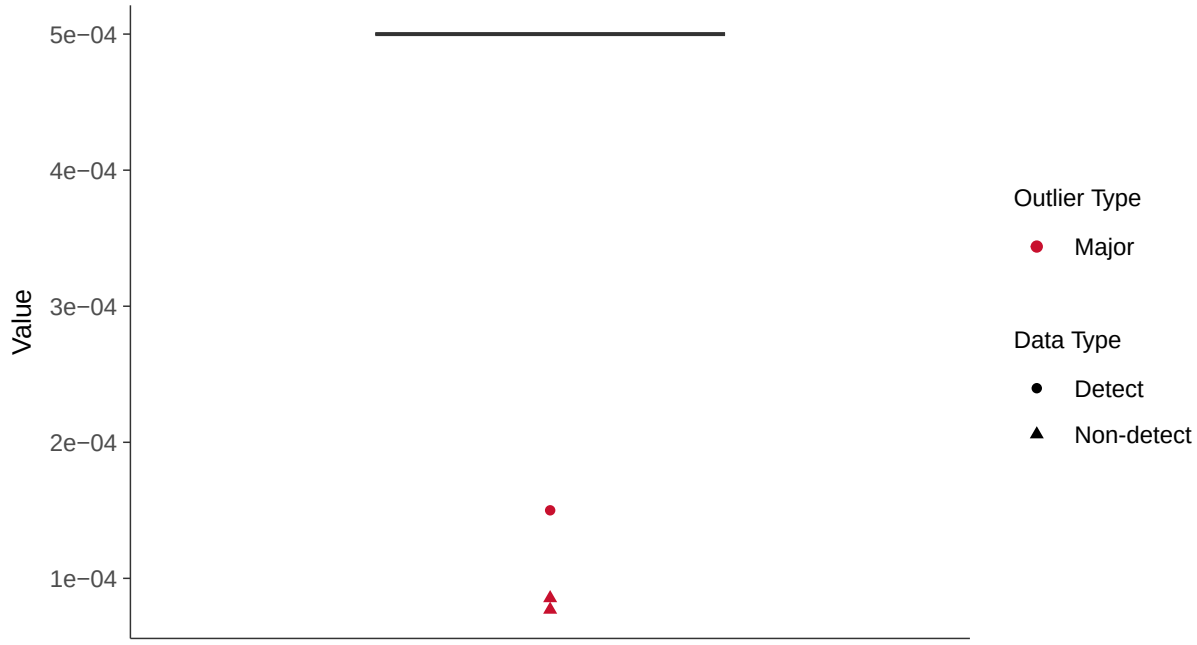
ID: 11_3_106





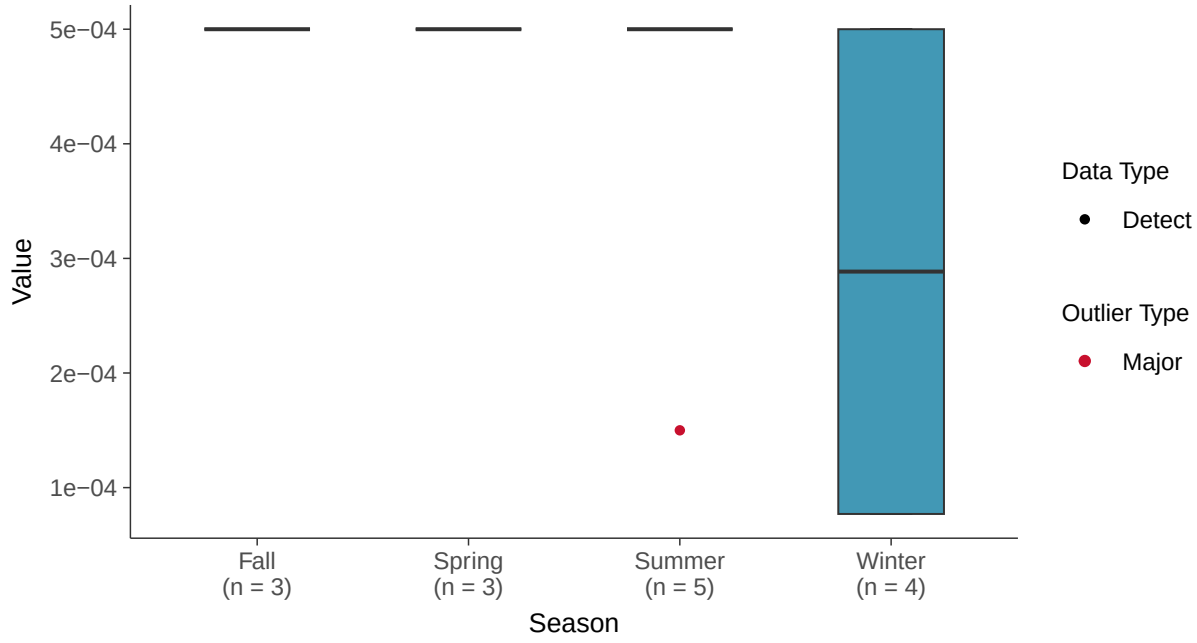
Boxplot

Cadmium, MW-7B (mg/l)



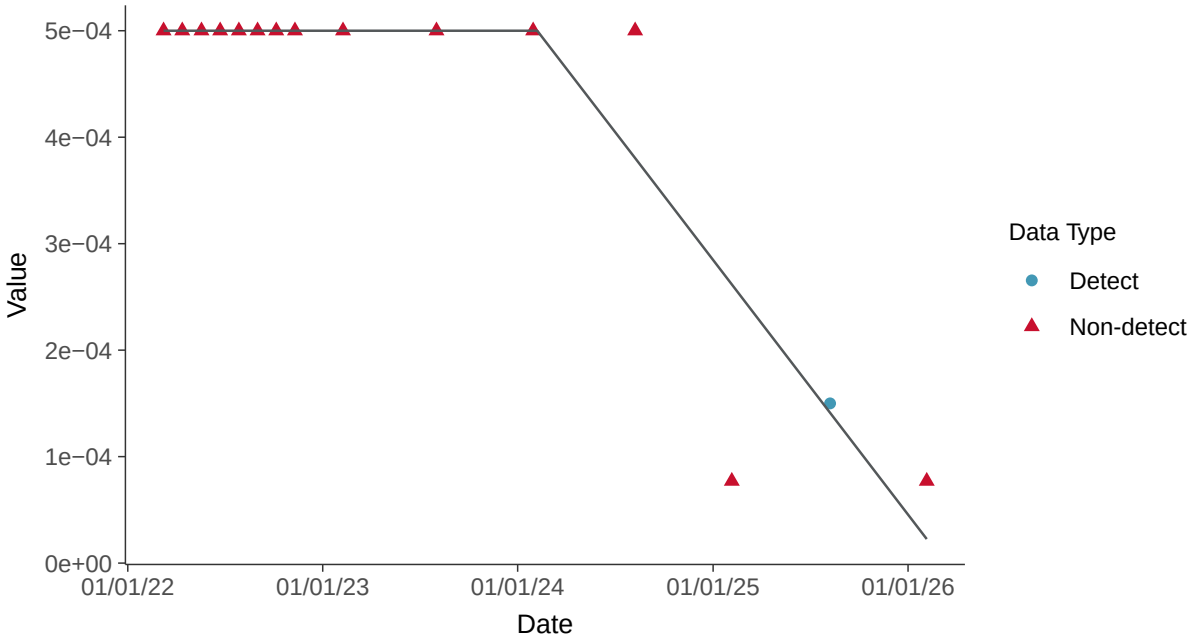
Boxplot by Season

Cadmium, MW-7B (mg/l)



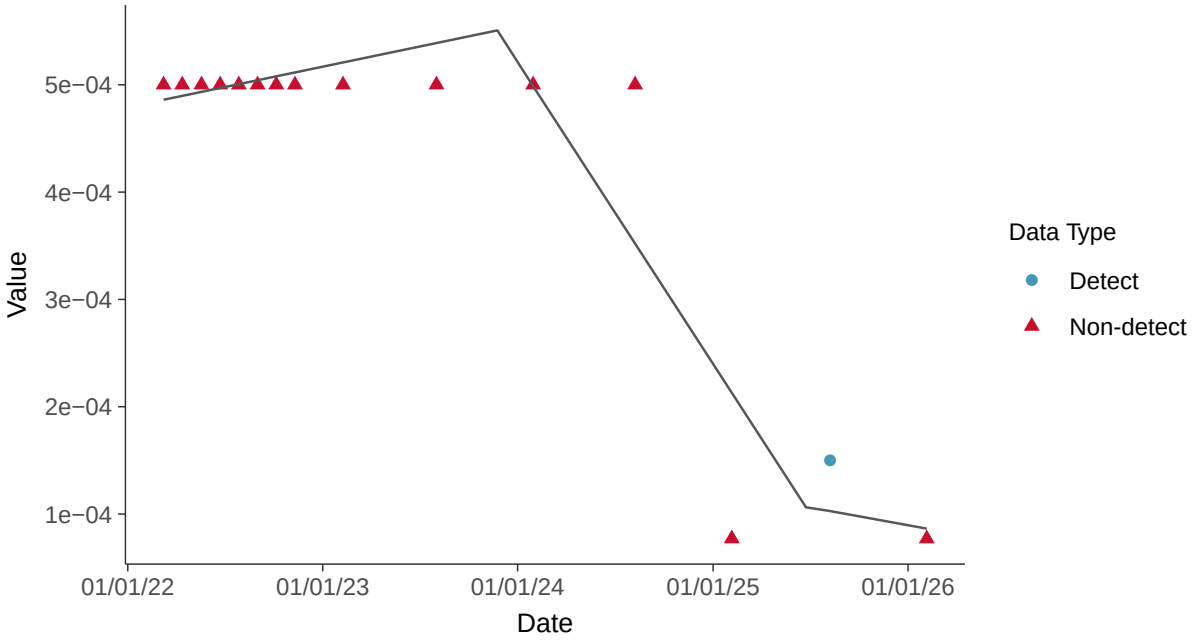
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-7B (mg/l)



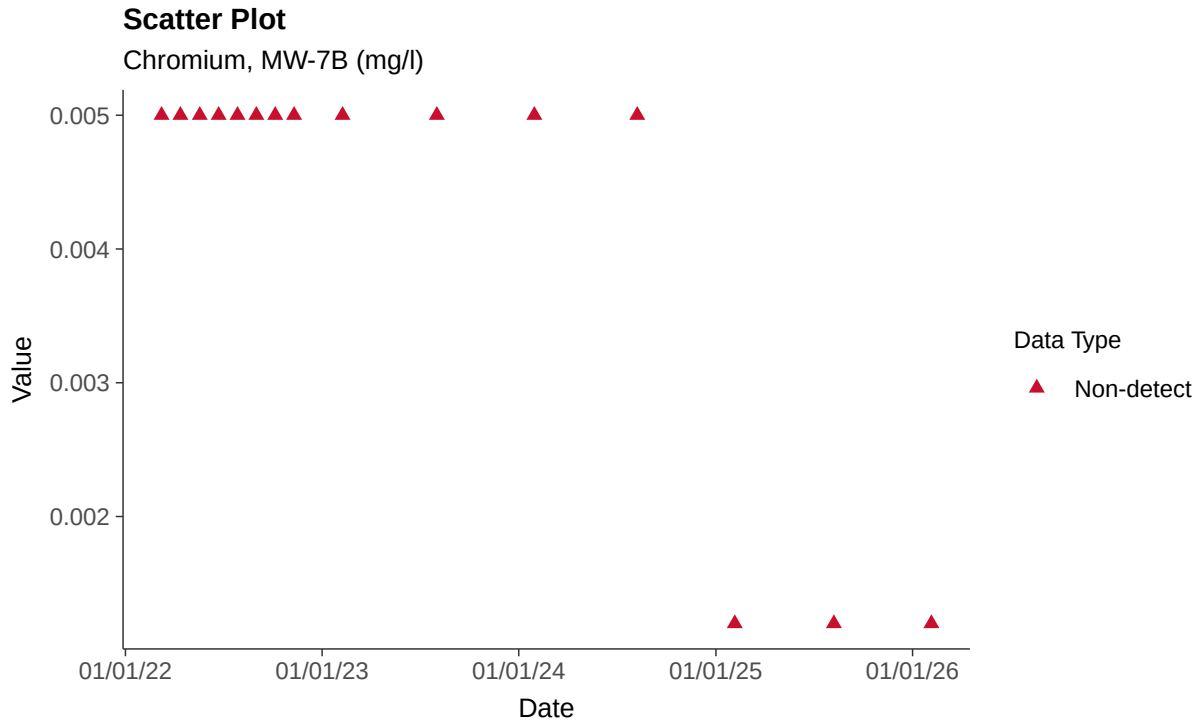
Trend Regression: Piecewise Linear-Linear-Linear

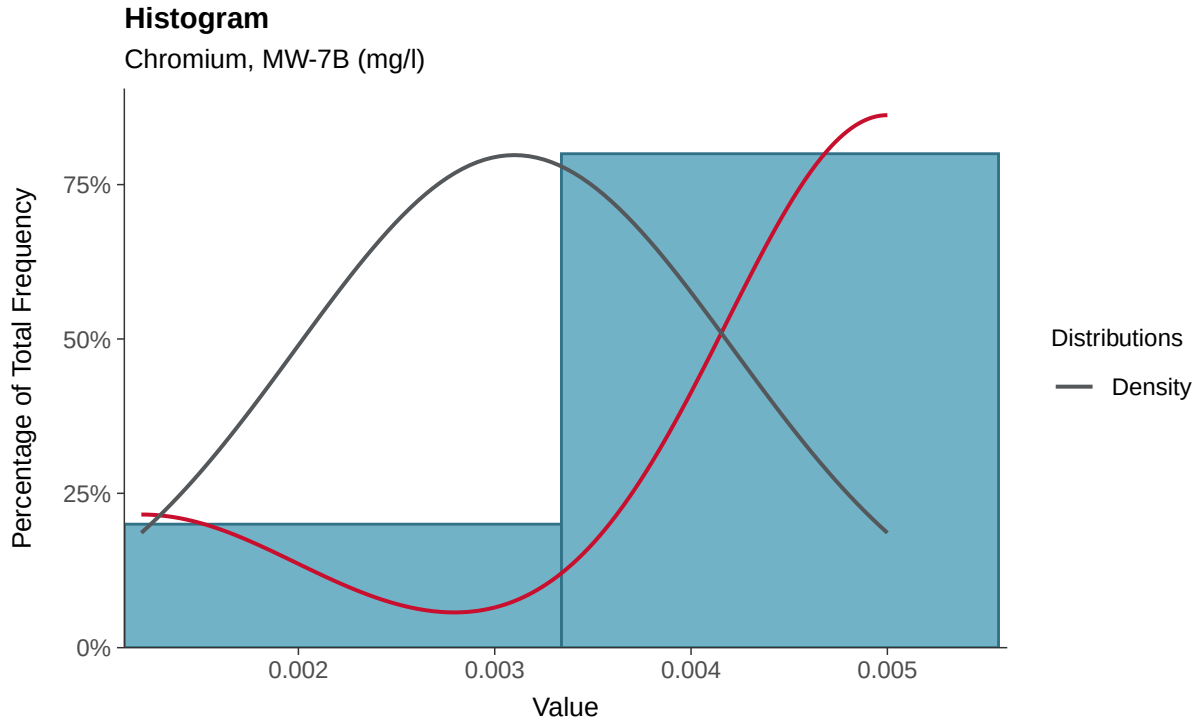
Cadmium, MW-7B (mg/l)



Appendix IV: Chromium, MW-7B

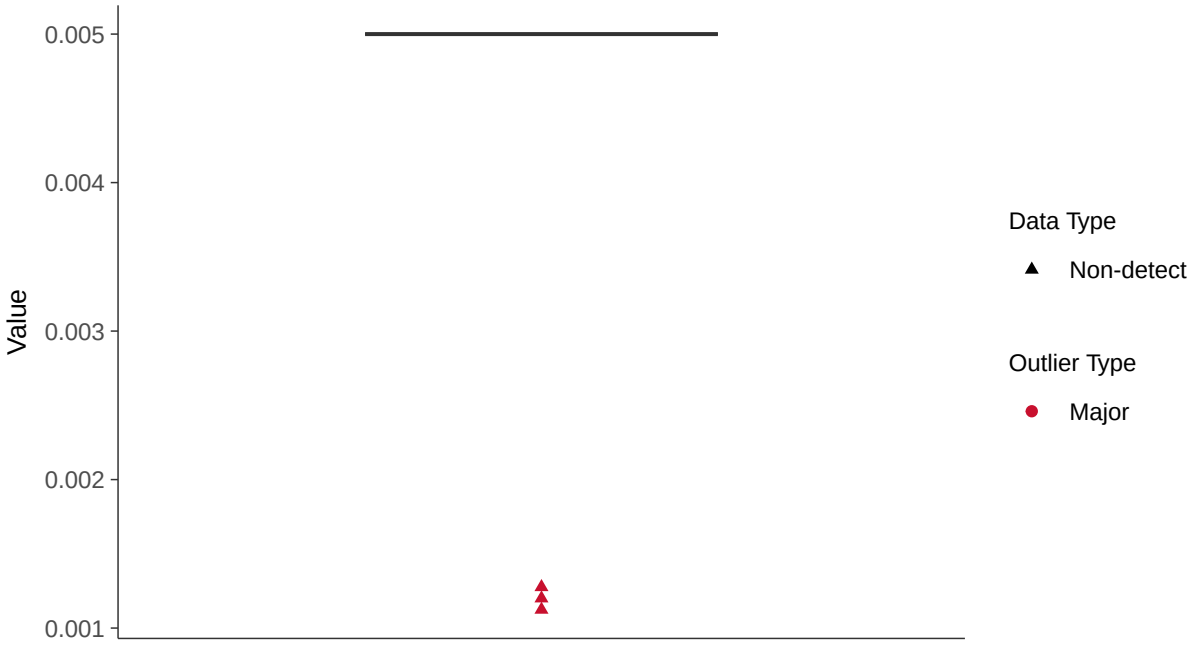
ID: 11_3_109





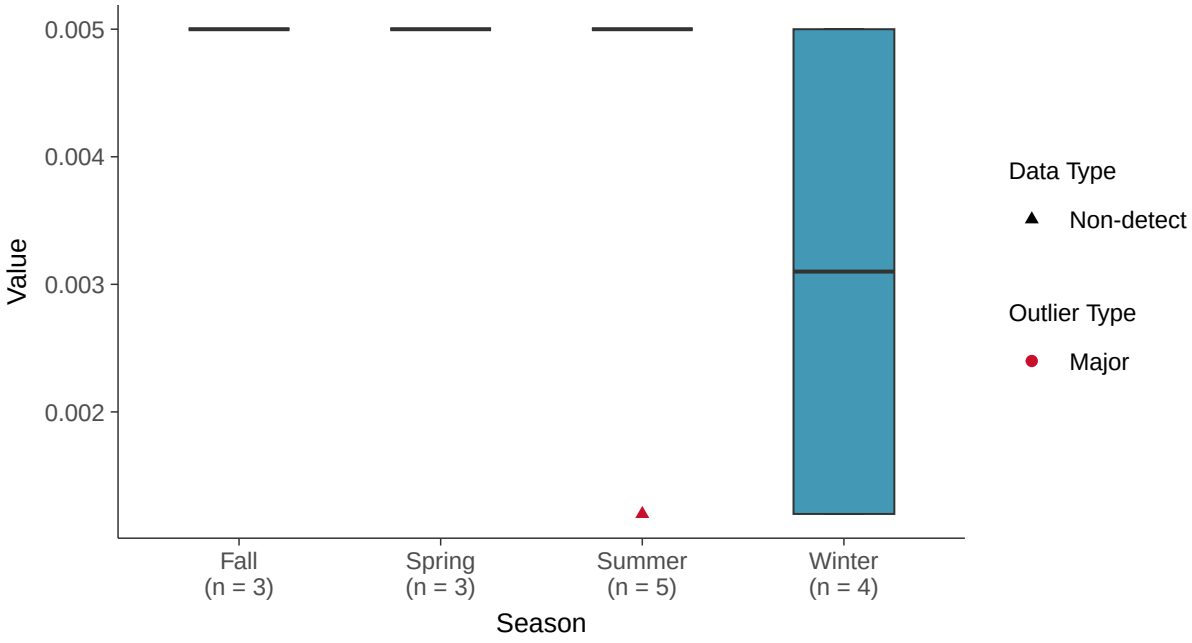
Boxplot

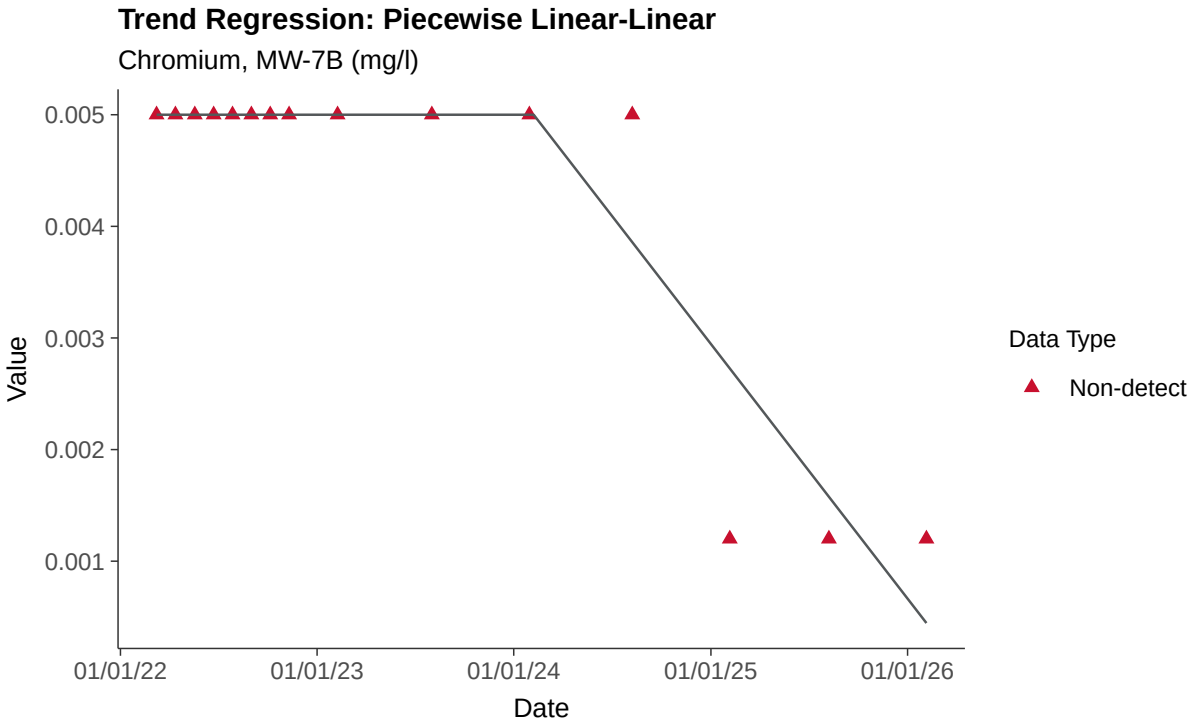
Chromium, MW-7B (mg/l)



Boxplot by Season

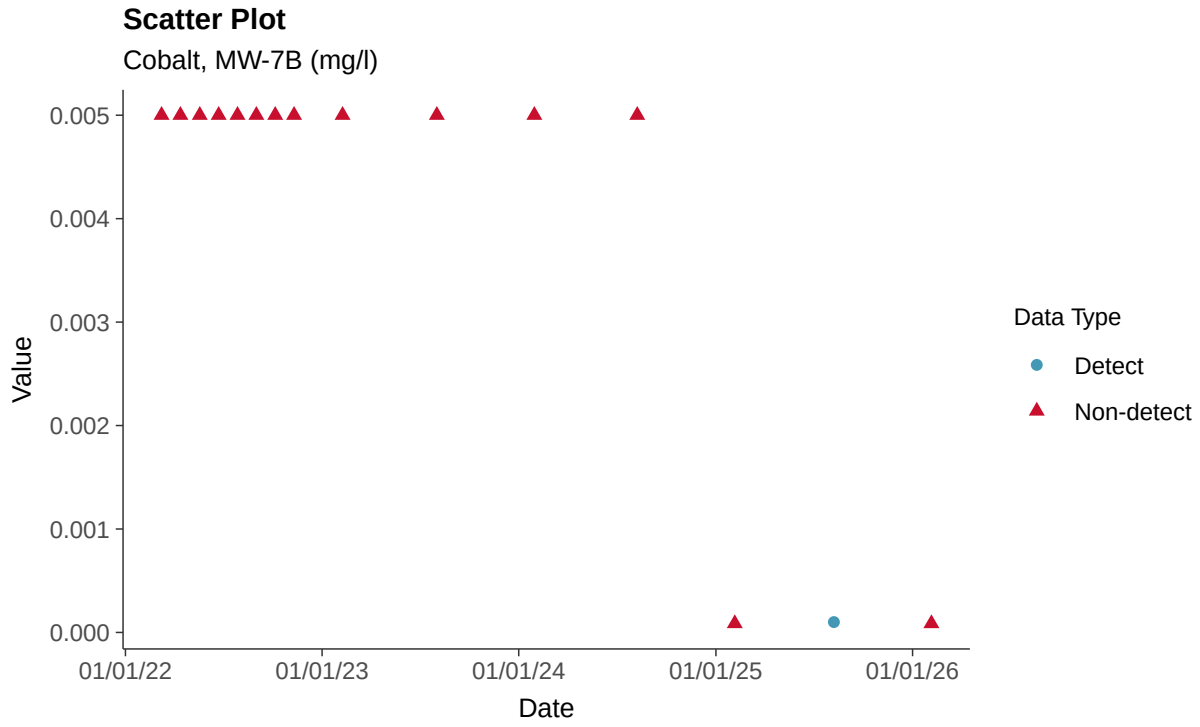
Chromium, MW-7B (mg/l)

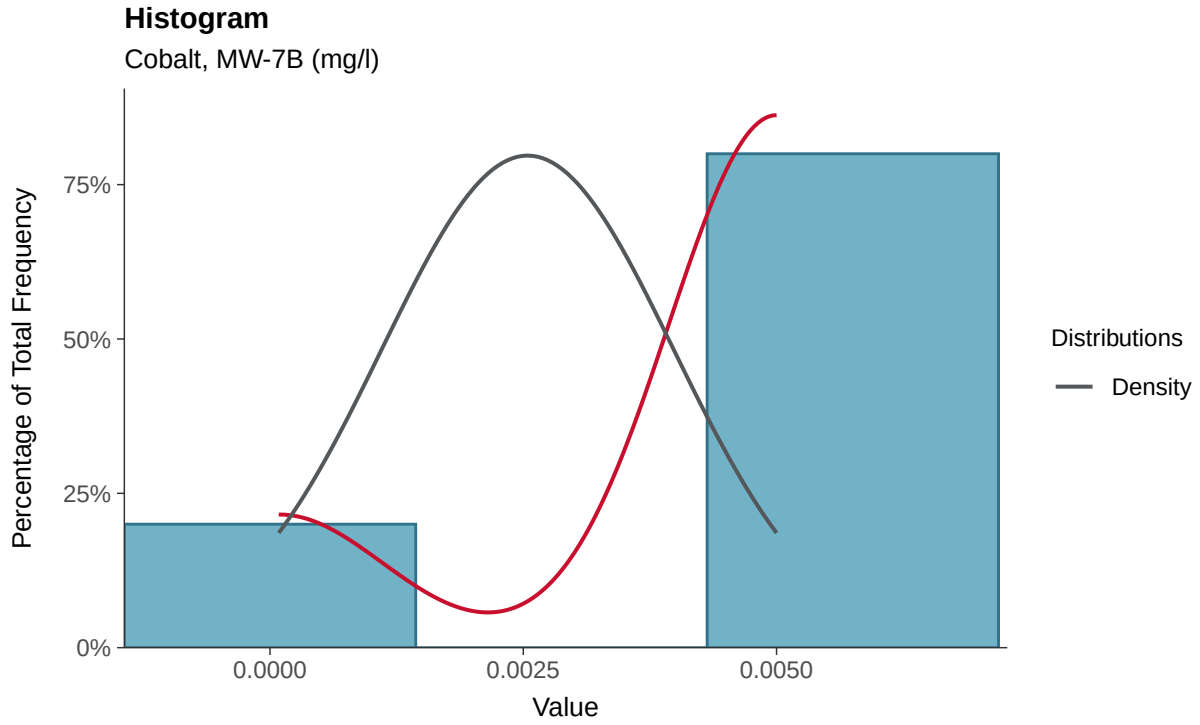



Trend Regression: Piecewise Linear-Linear
Chromium, MW-7B (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cobalt, MW-7B

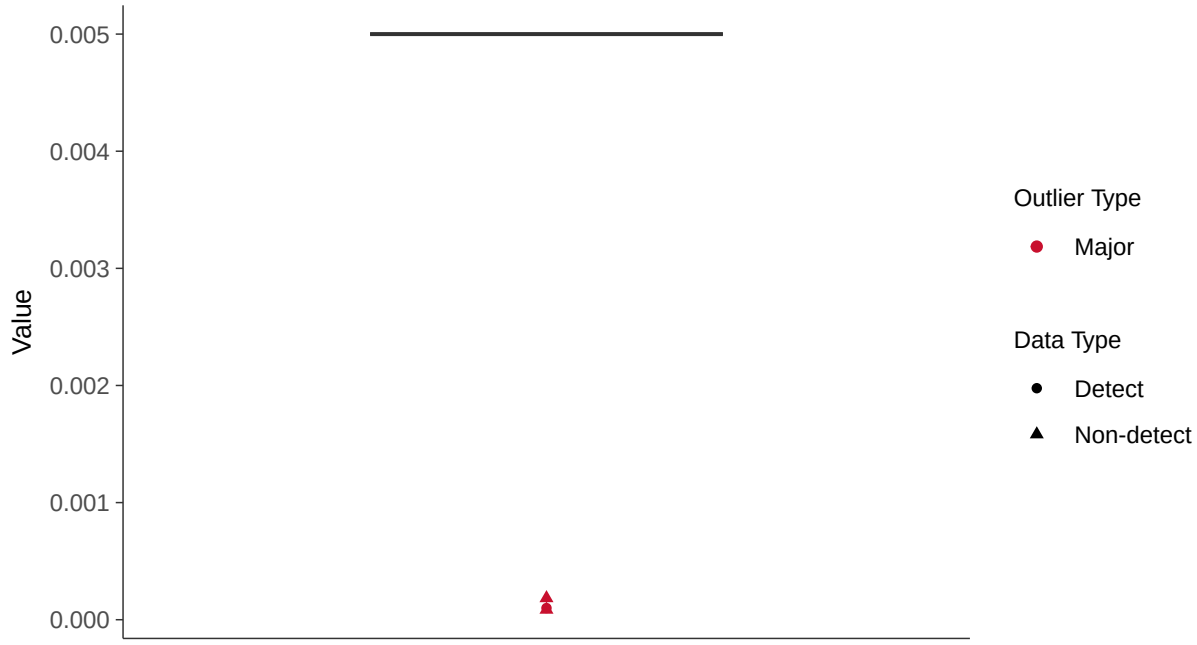
ID: 11_3_110





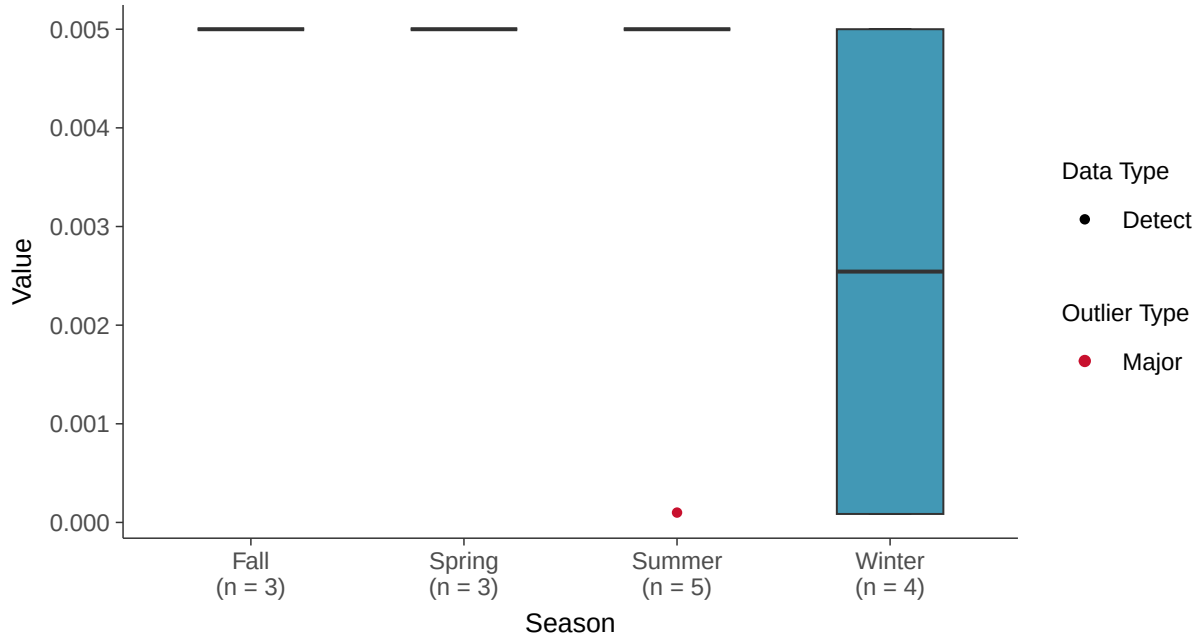
Boxplot

Cobalt, MW-7B (mg/l)



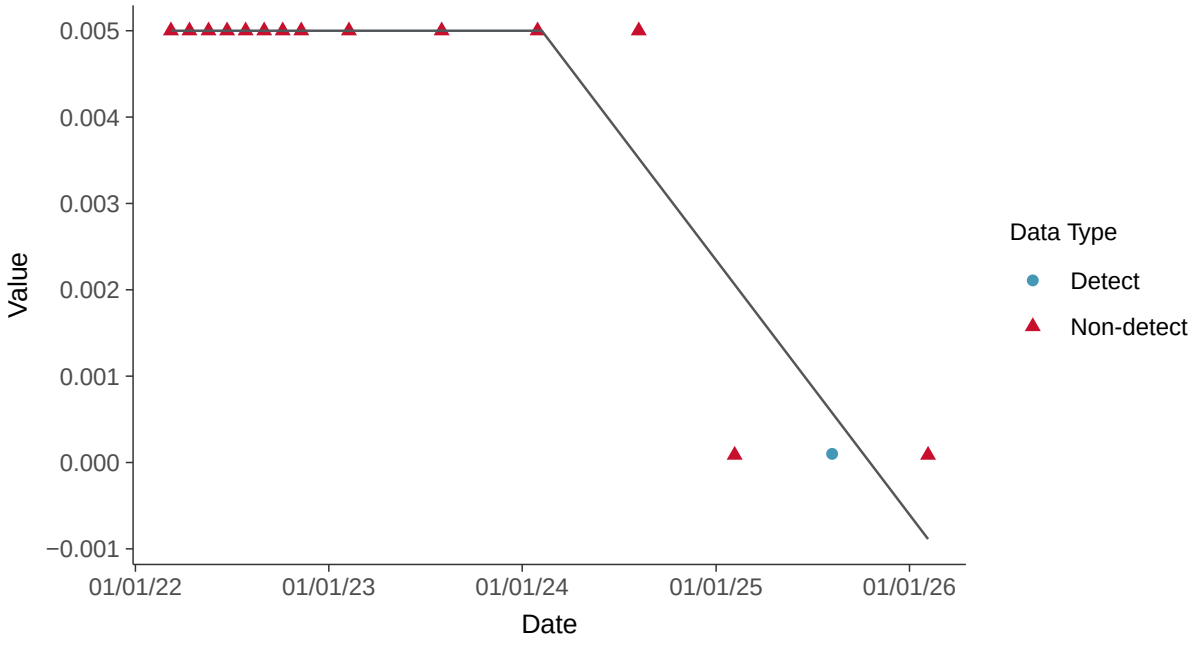
Boxplot by Season

Cobalt, MW-7B (mg/l)



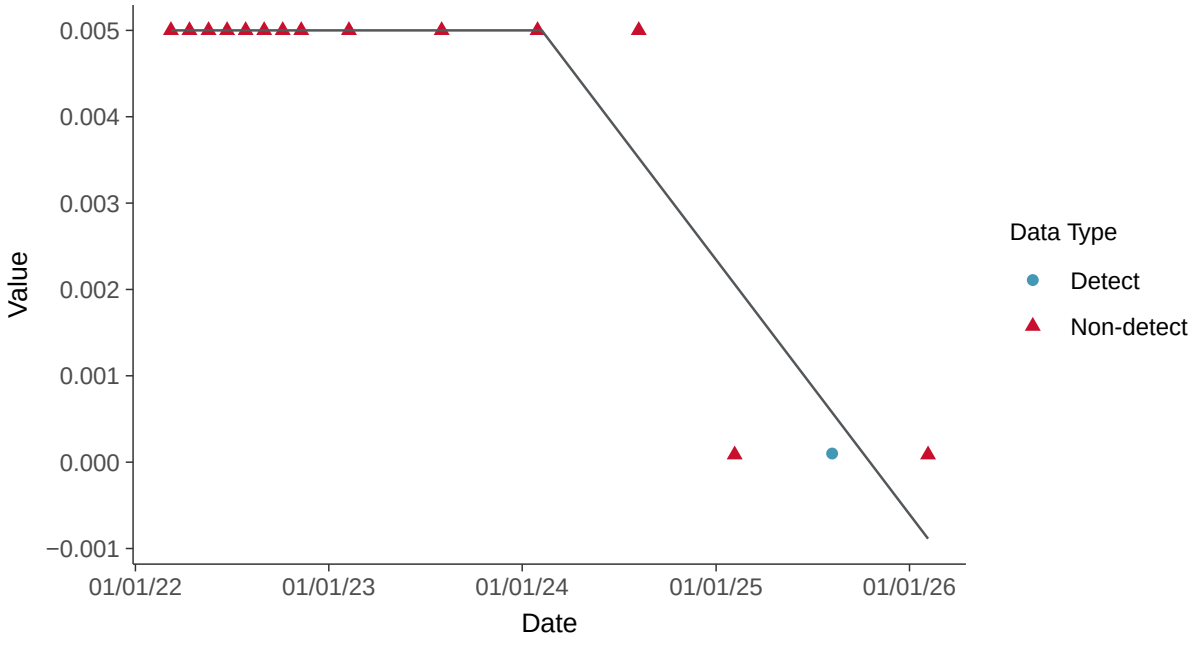
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-7B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Cobalt, MW-7B (mg/l)

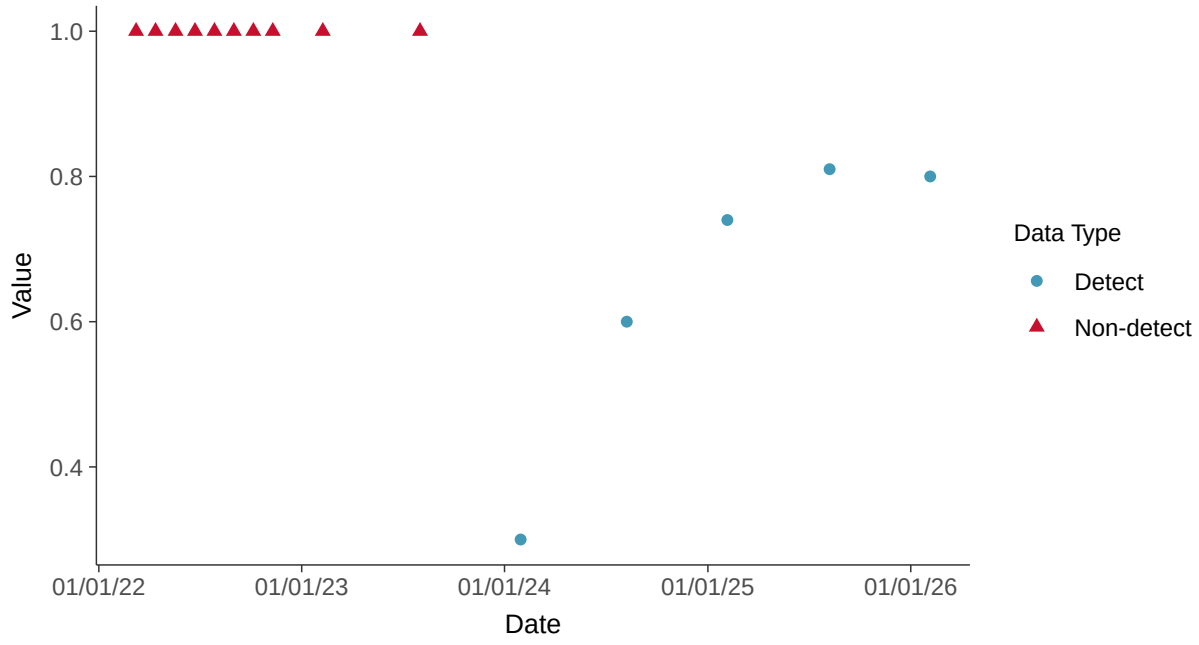


Appendix IV: Fluoride (App IV), MW-7B

ID: 11_3_113

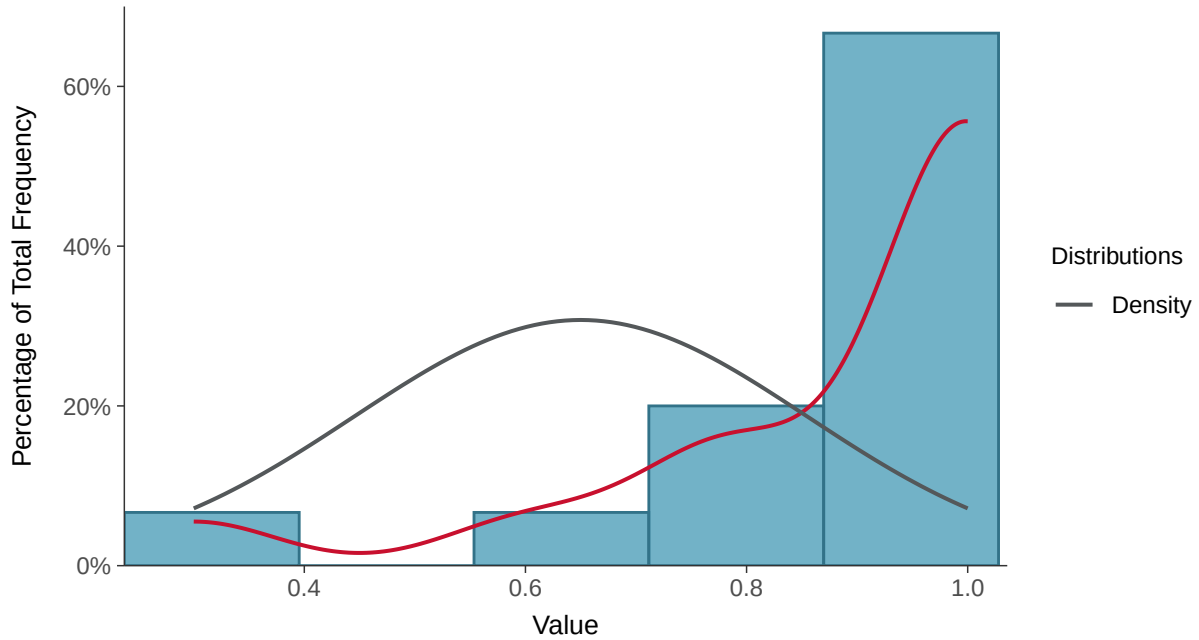
Scatter Plot

Fluoride (App IV), MW-7B (mg/l)



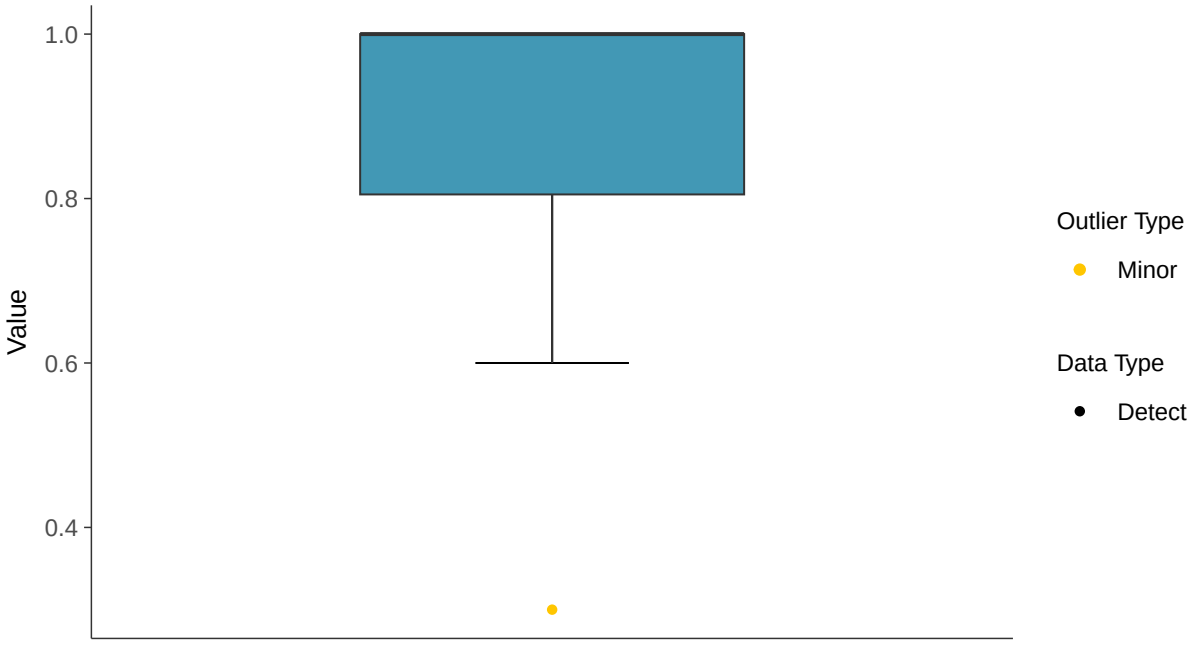
Histogram

Fluoride (App IV), MW-7B (mg/l)



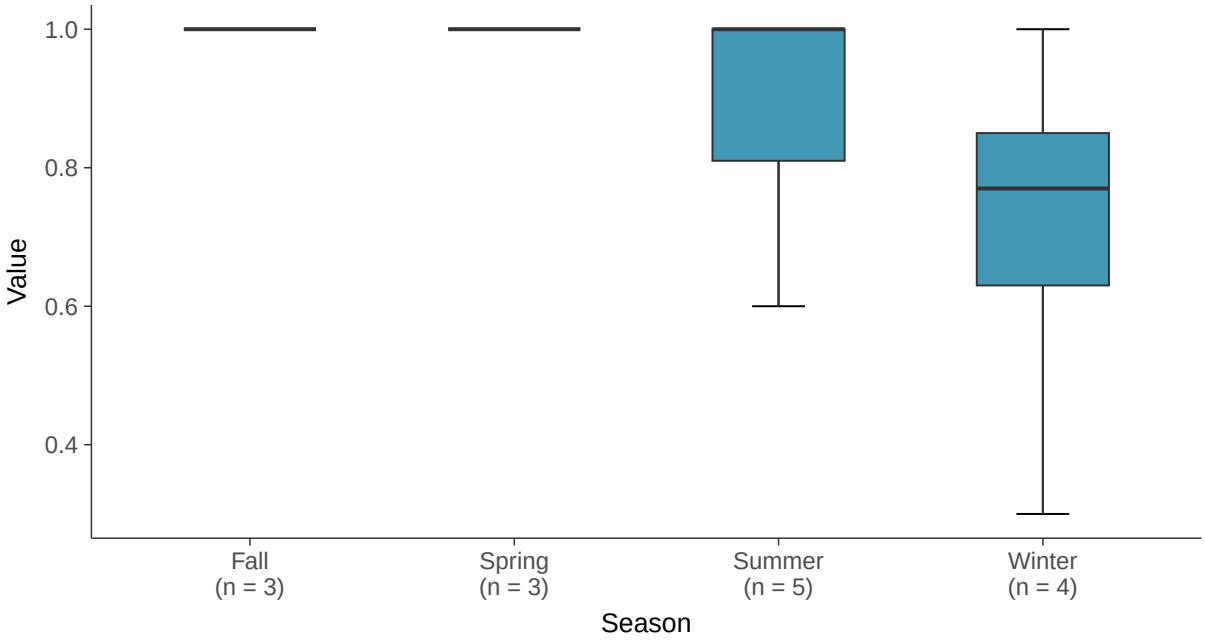
Boxplot

Fluoride (App IV), MW-7B (mg/l)



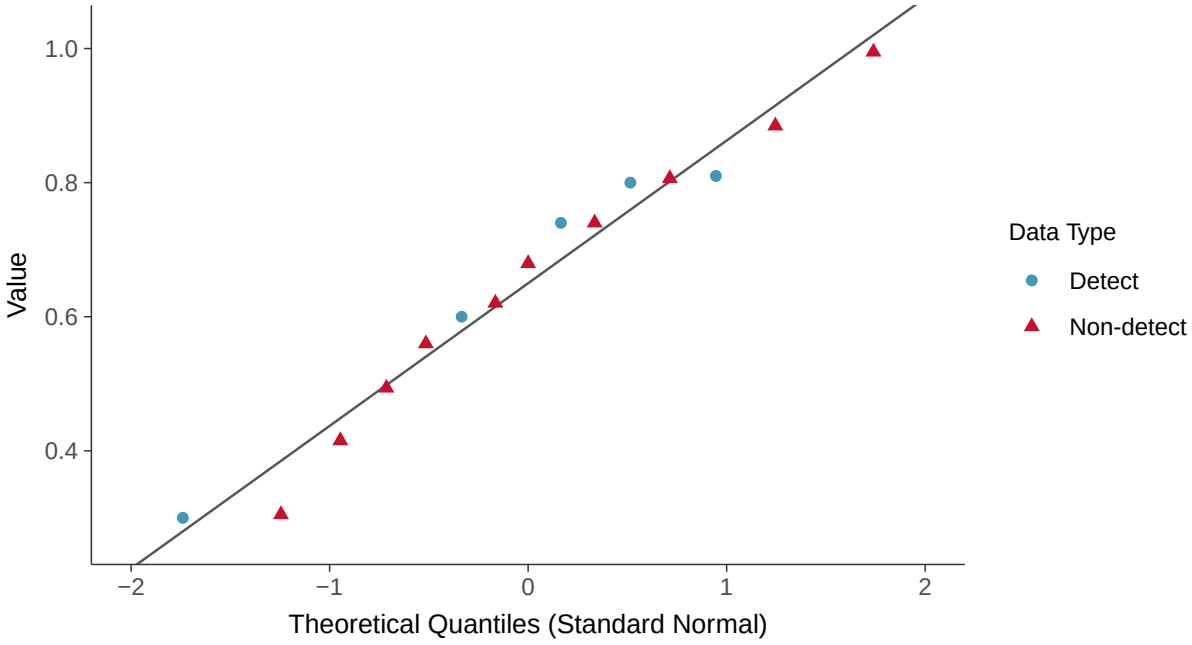
Boxplot by Season

Fluoride (App IV), MW-7B (mg/l)



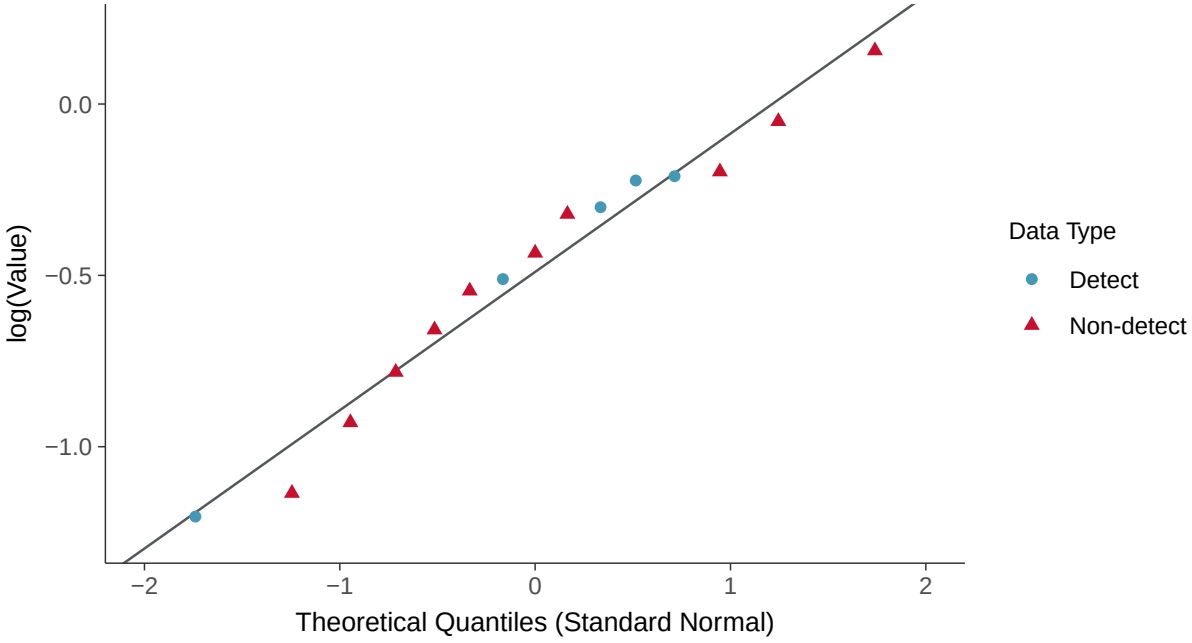
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-7B (mg/l)



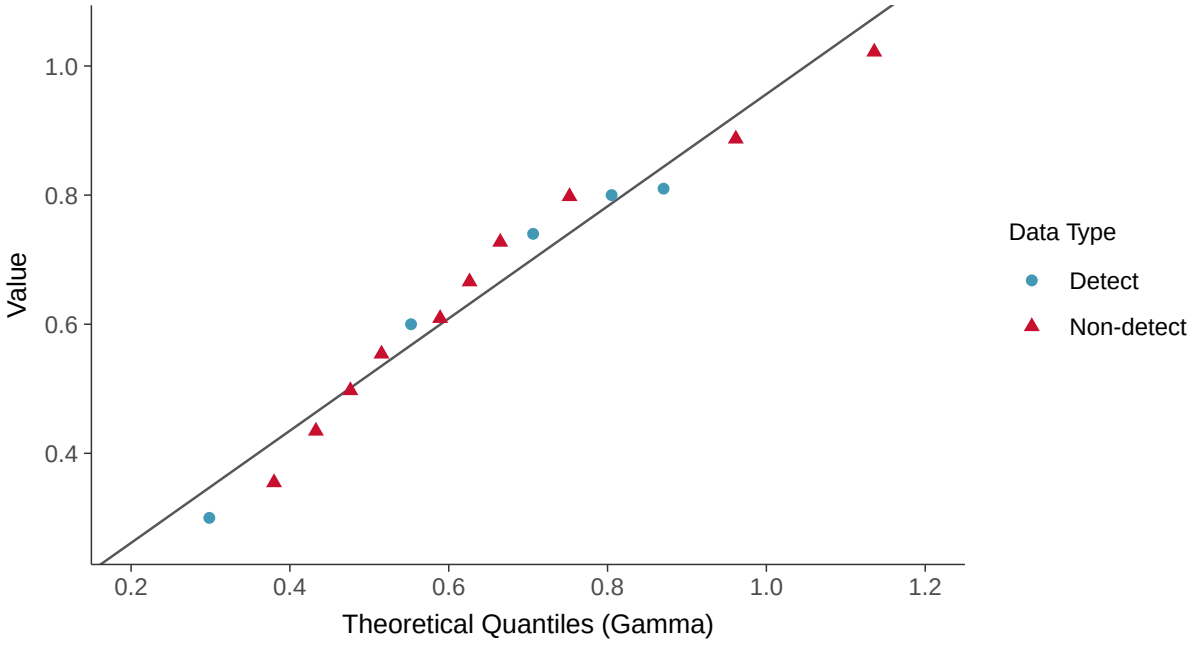
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-7B (mg/l)



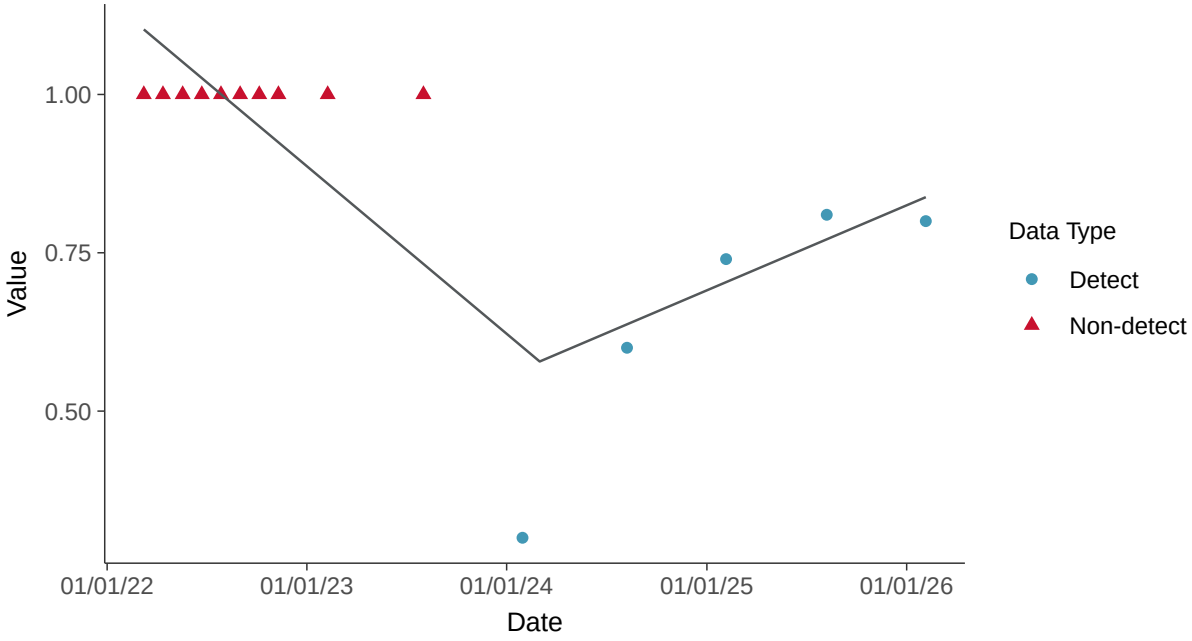
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-7B (mg/l)



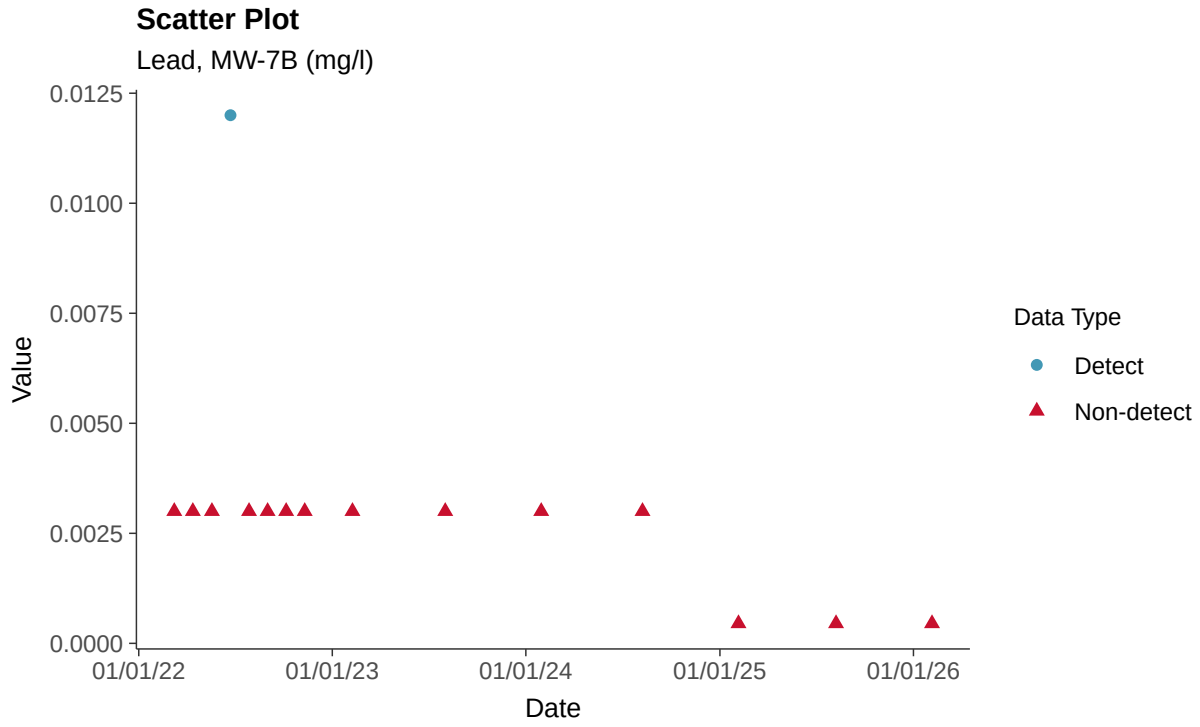
Trend Regression: Piecewise Linear-Linear

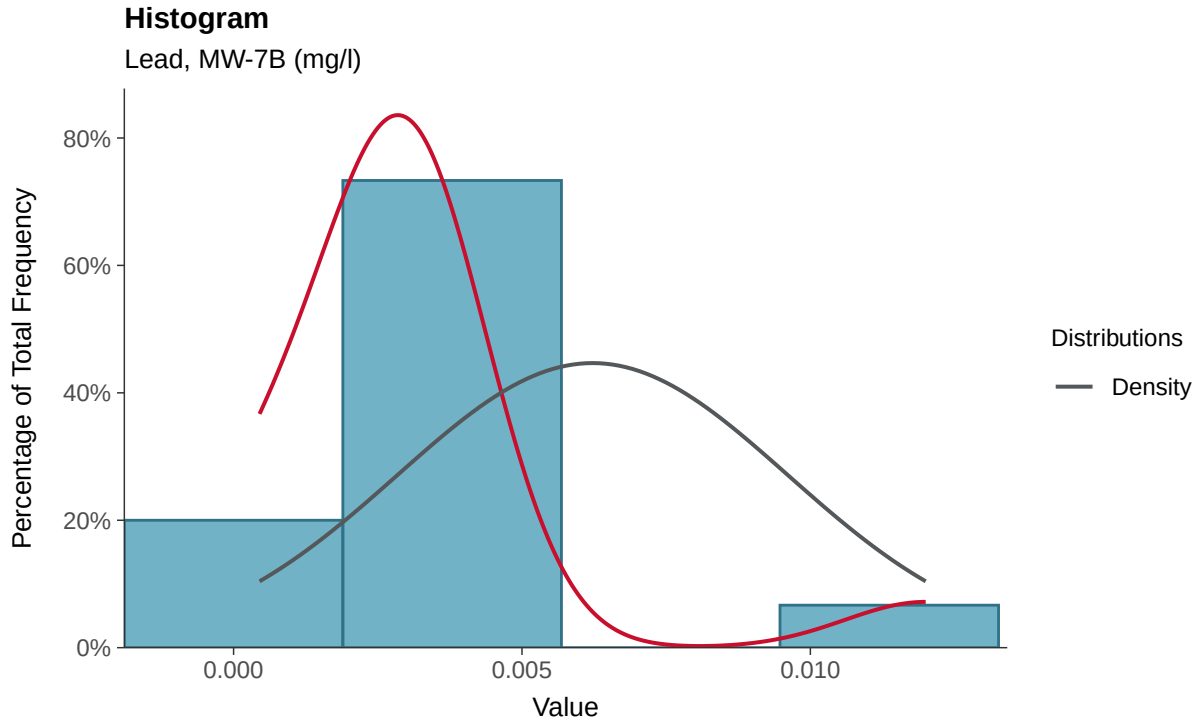
Fluoride (App IV), MW-7B (mg/l)



Appendix IV: Lead, MW-7B

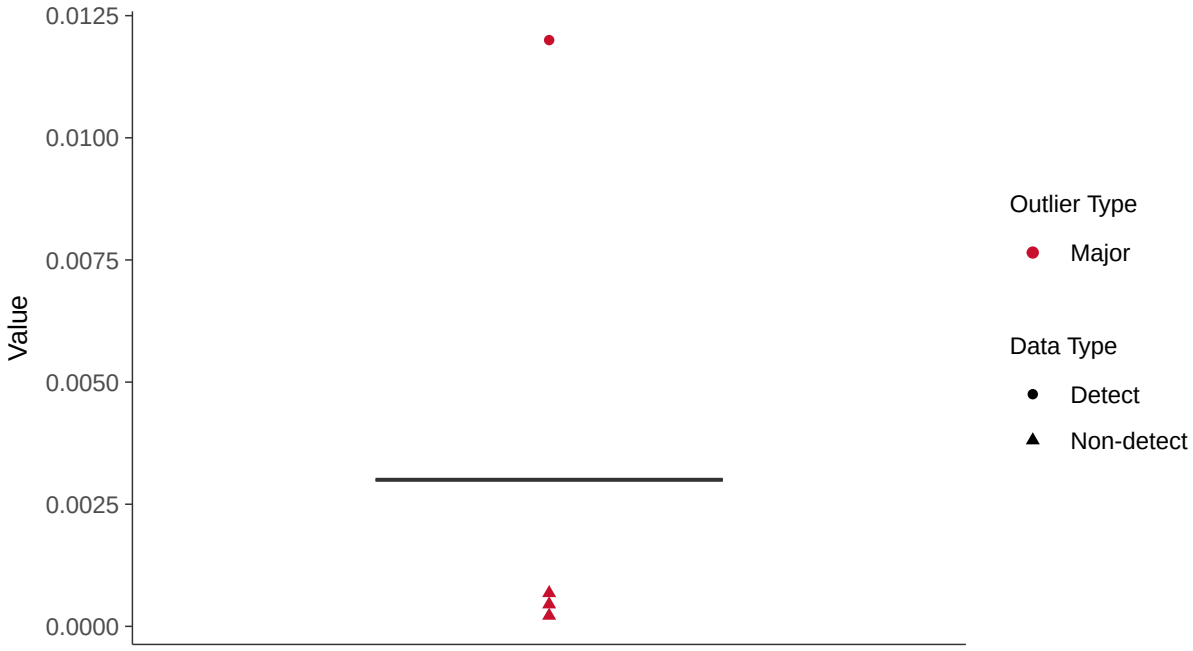
ID: 11_3_115





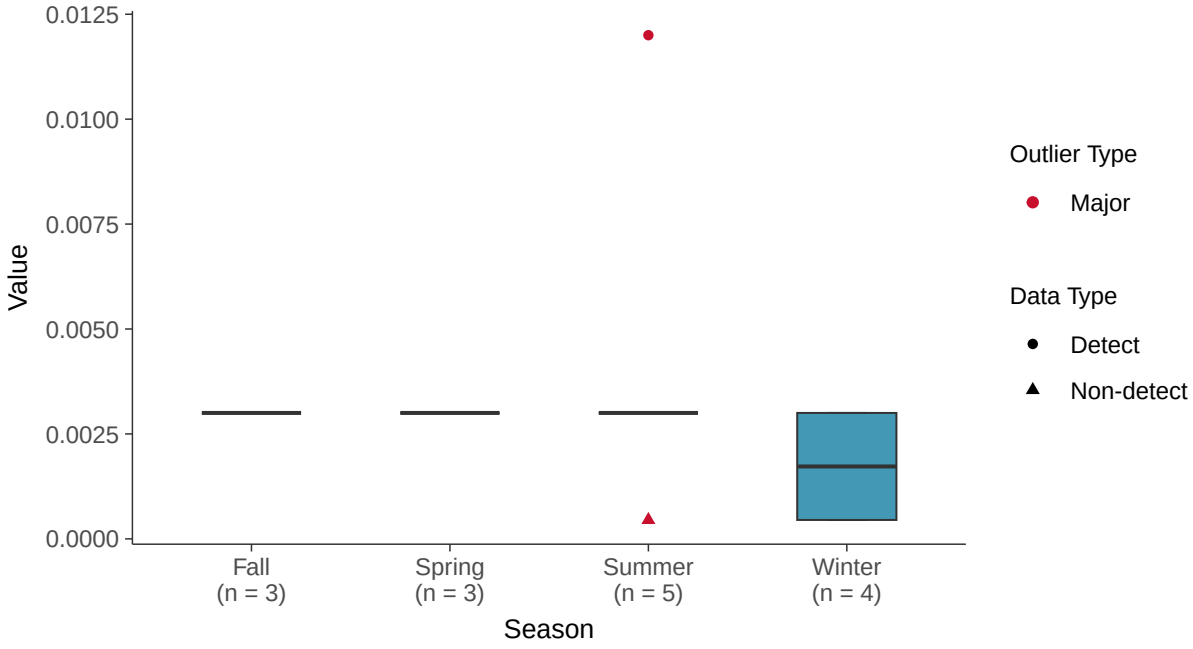
Boxplot

Lead, MW-7B (mg/l)



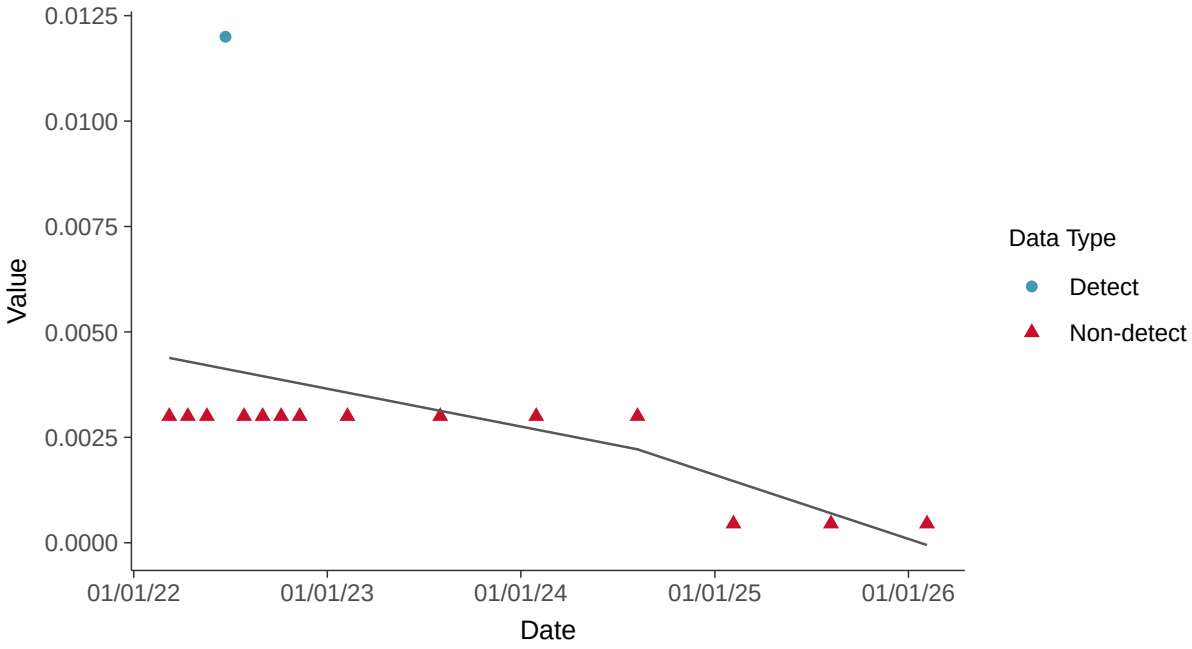
Boxplot by Season

Lead, MW-7B (mg/l)



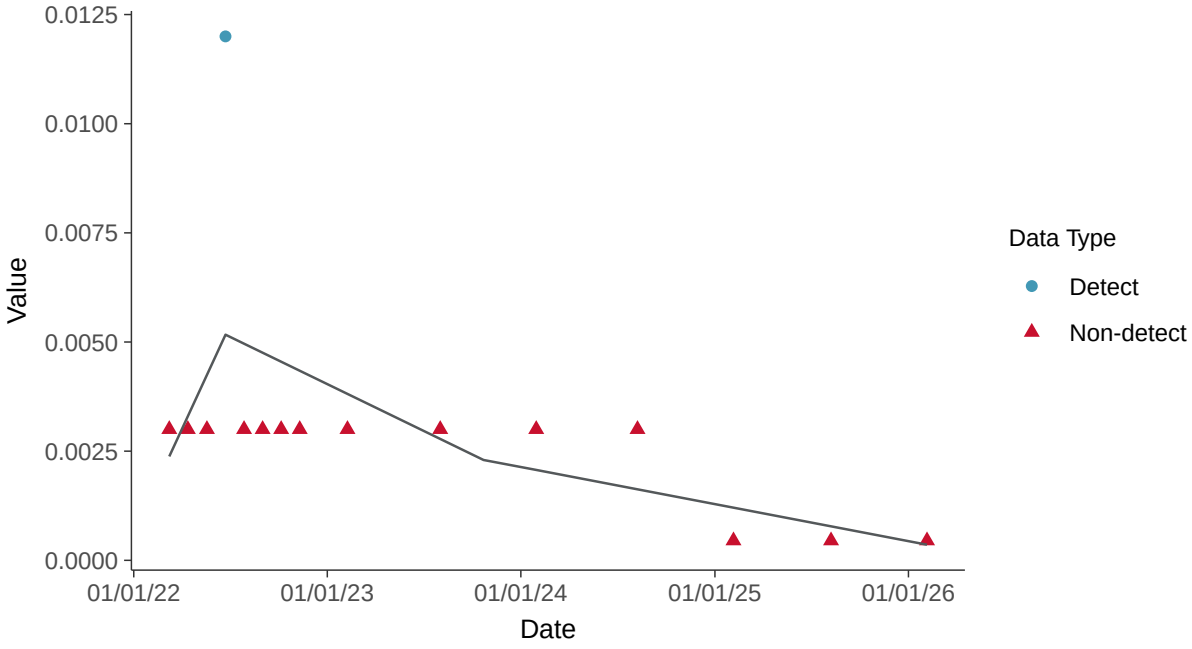
Trend Regression: Piecewise Linear-Linear

Lead, MW-7B (mg/l)



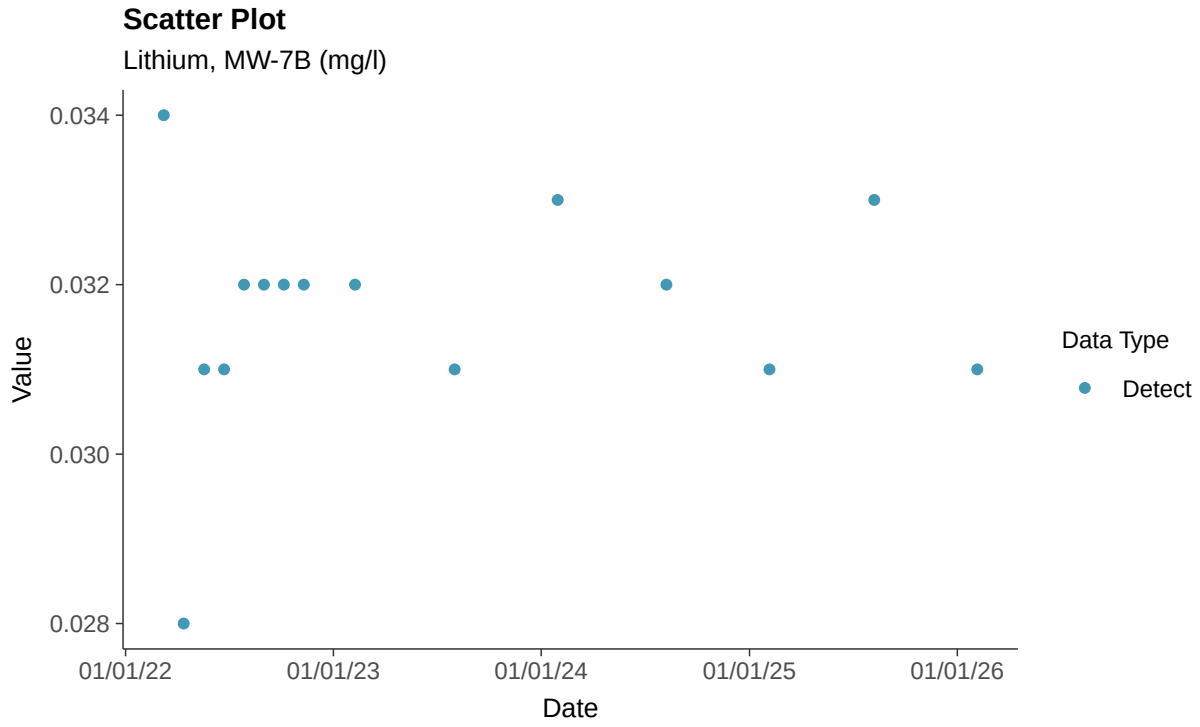
Trend Regression: Piecewise Linear-Linear-Linear

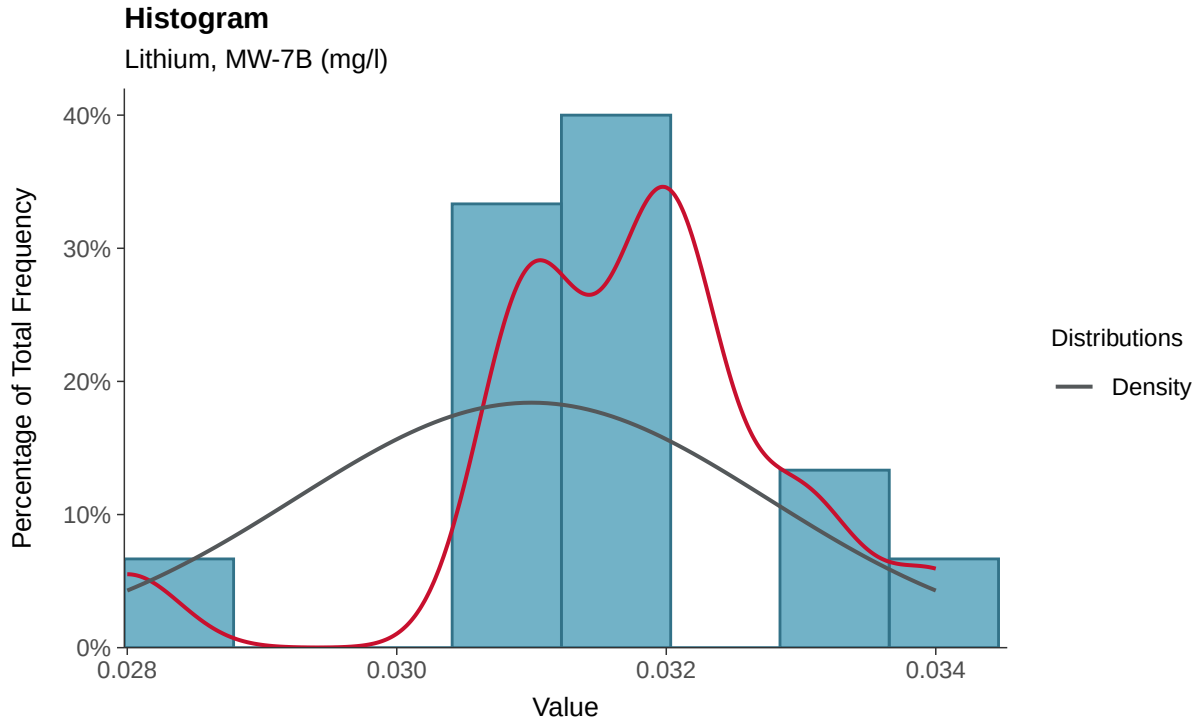
Lead, MW-7B (mg/l)



Appendix IV: Lithium, MW-7B

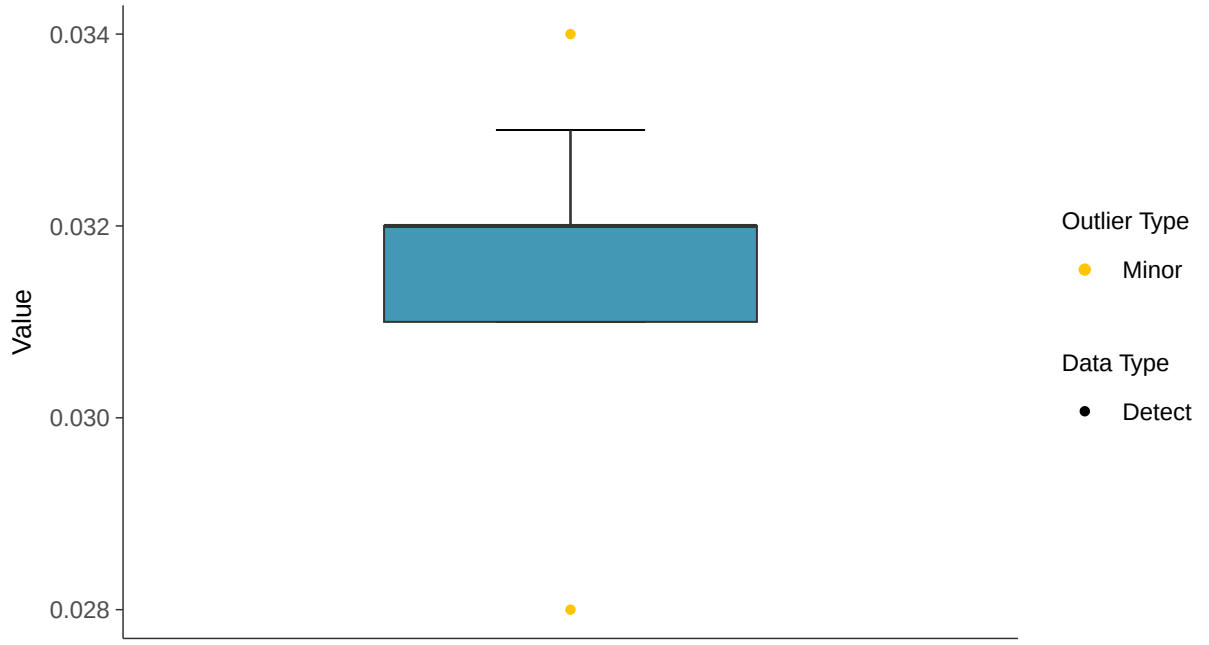
ID: 11_3_116





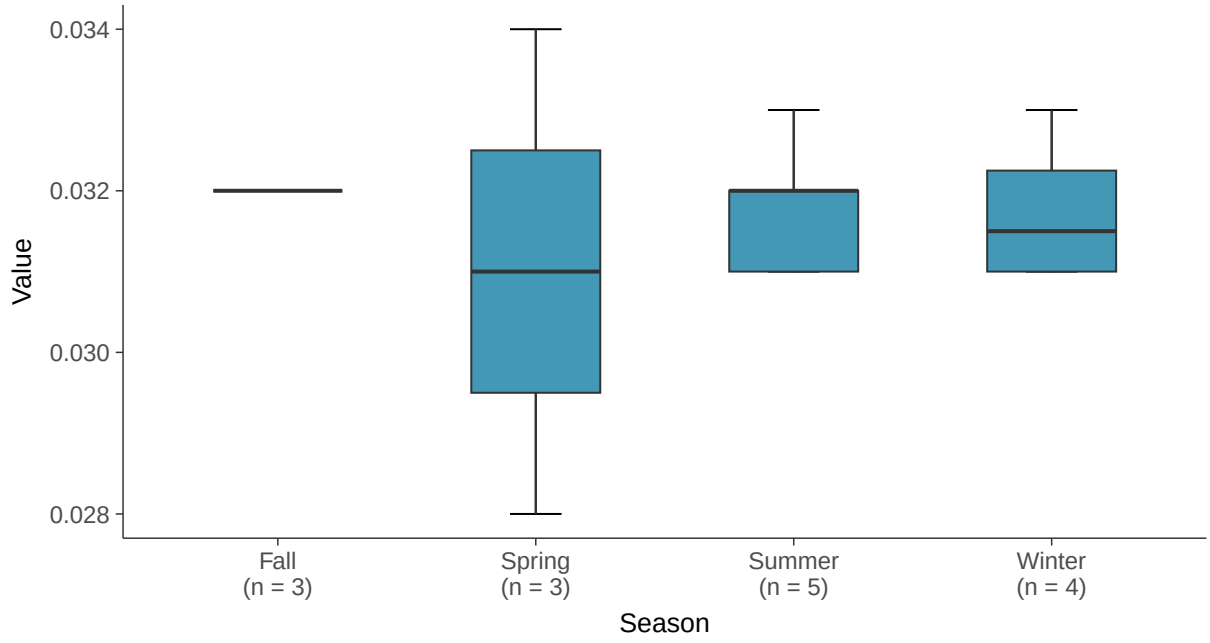
Boxplot

Lithium, MW-7B (mg/l)



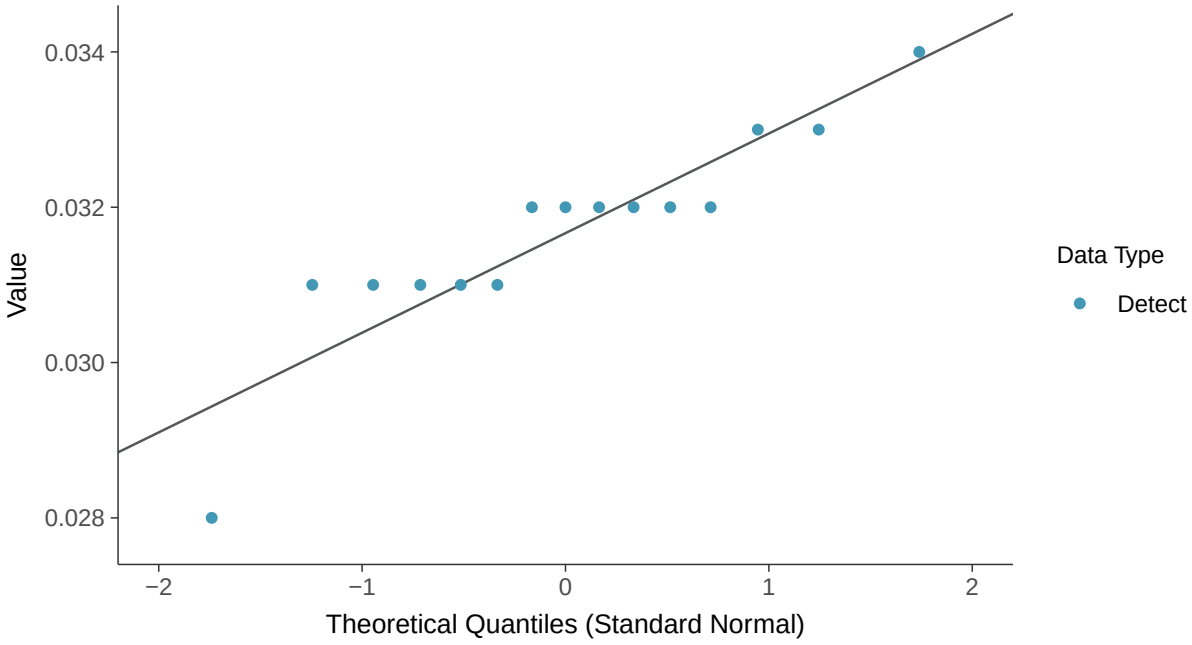
Boxplot by Season

Lithium, MW-7B (mg/l)



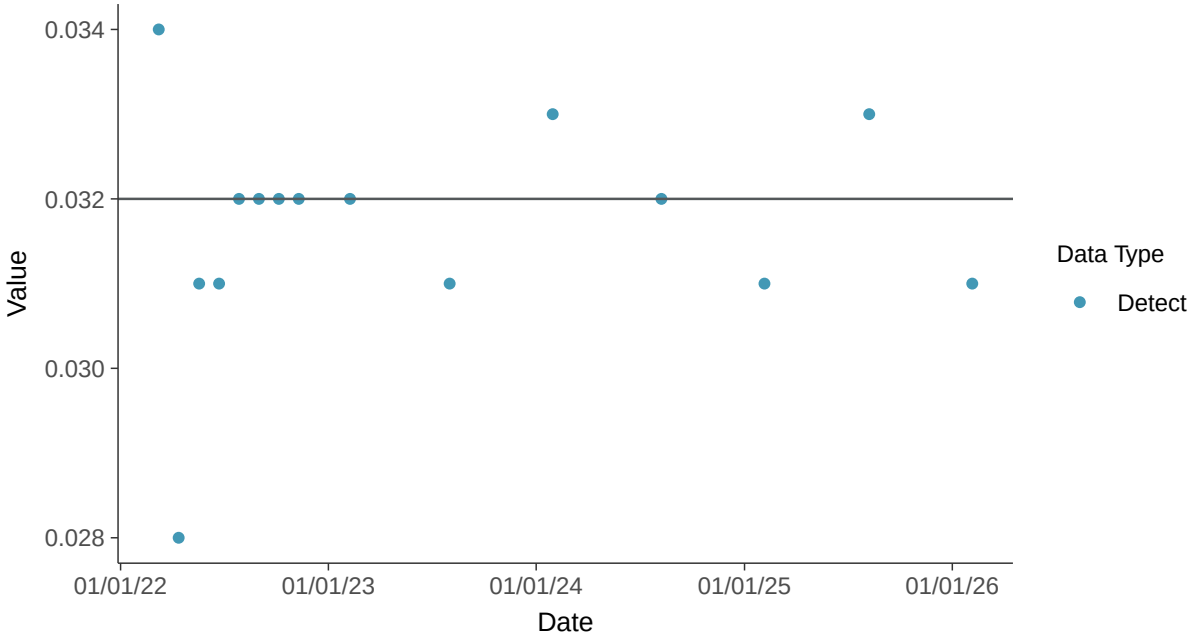
Normal Q-Q plot

Lithium, MW-7B (mg/l)



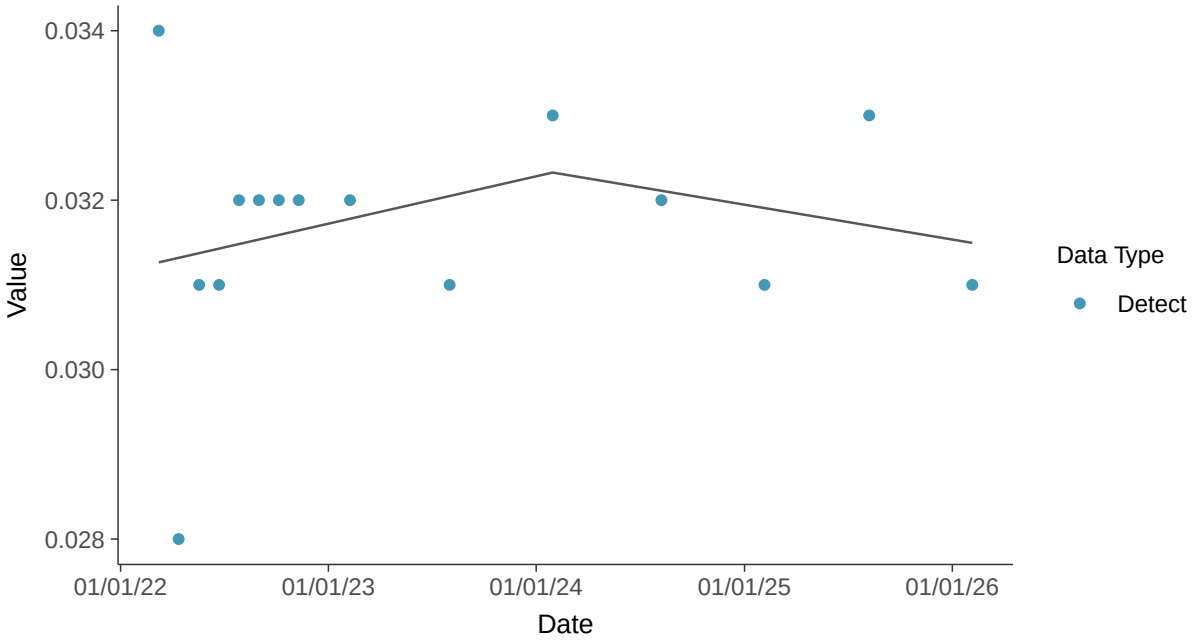
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Lithium, MW-7B (mg/l)



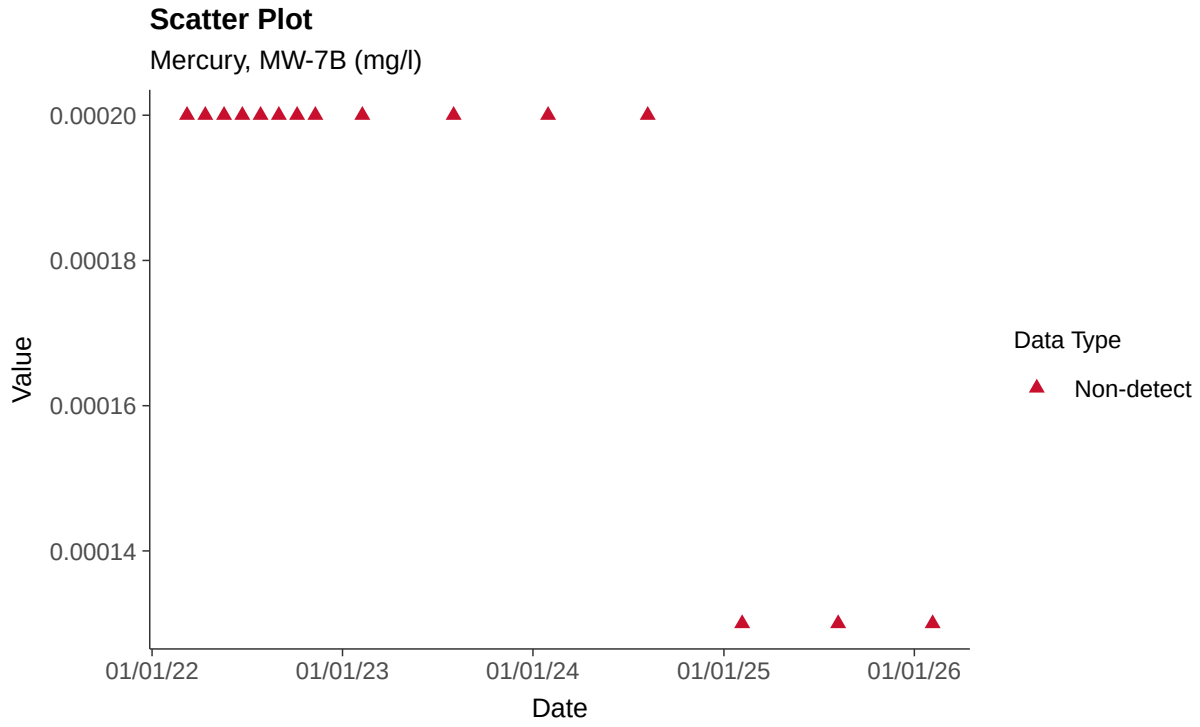
Trend Regression: Piecewise Linear-Linear

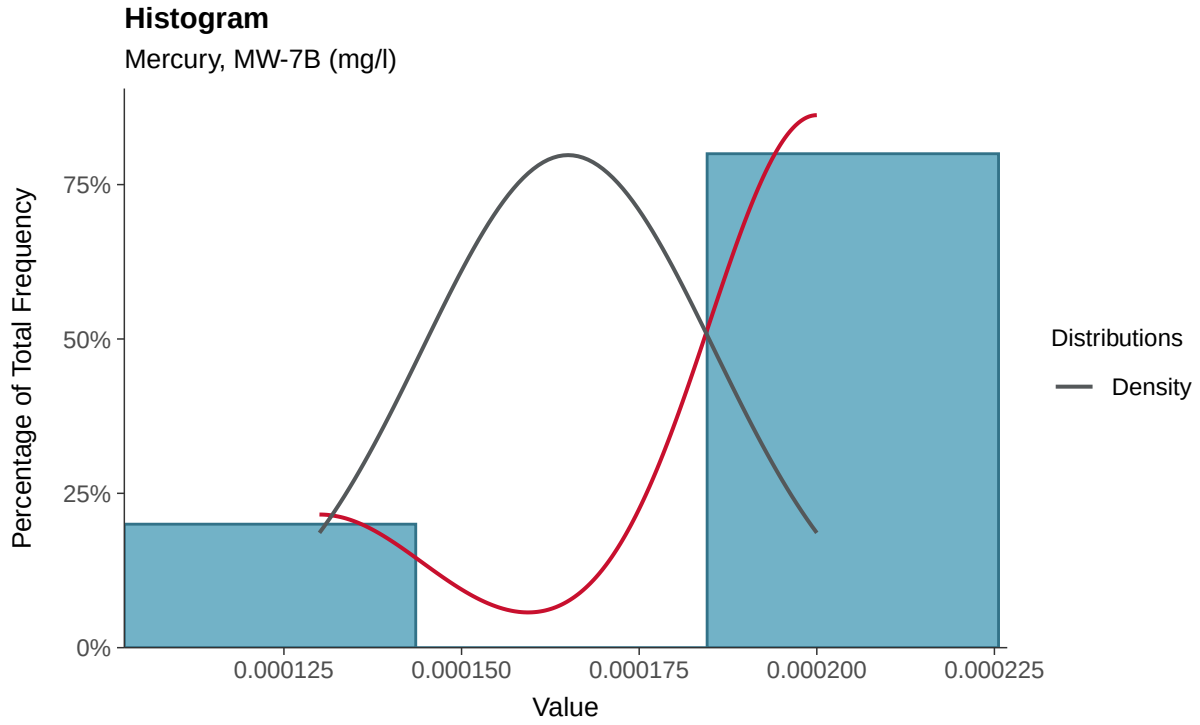
Lithium, MW-7B (mg/l)



Appendix IV: Mercury, MW-7B

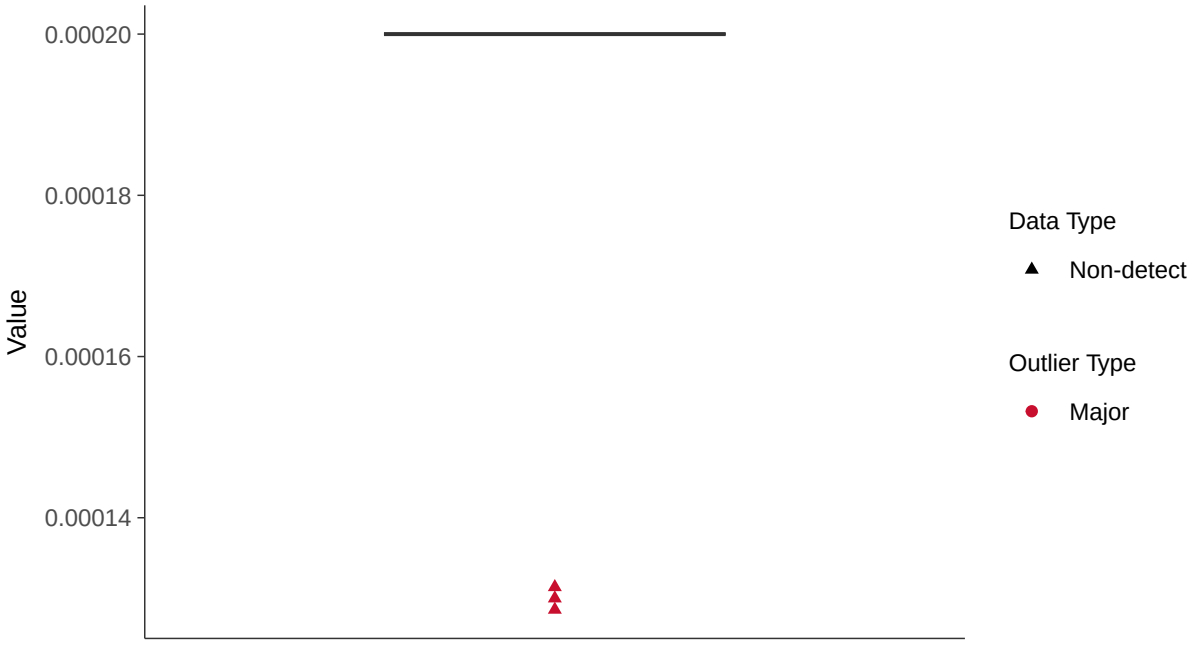
ID: 11_3_117





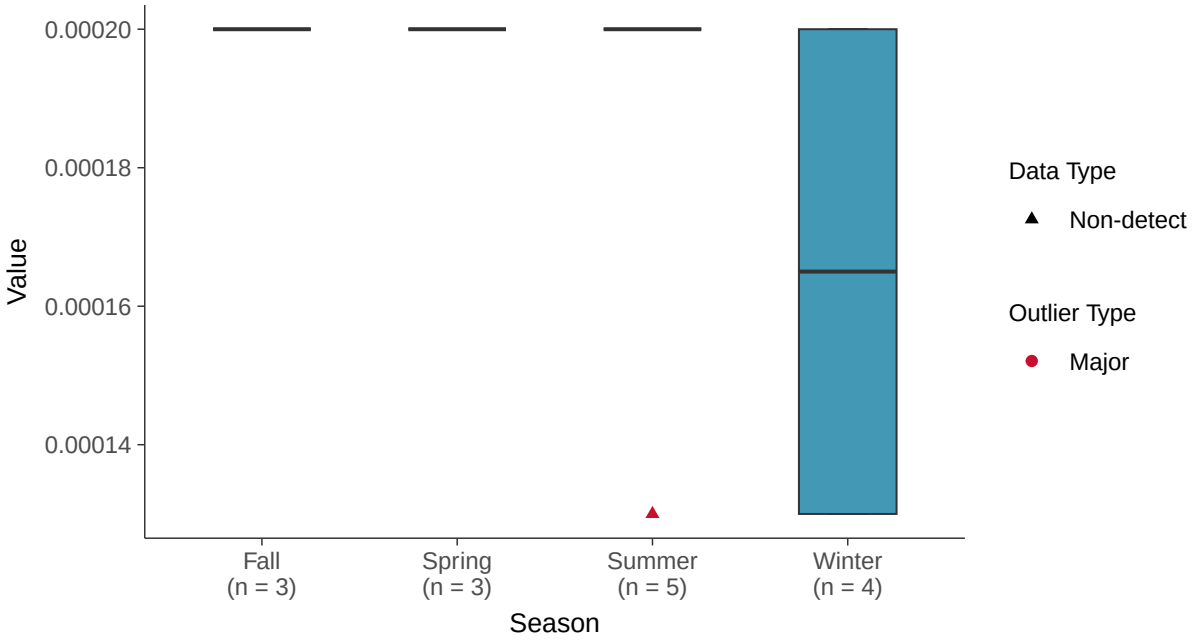
Boxplot

Mercury, MW-7B (mg/l)



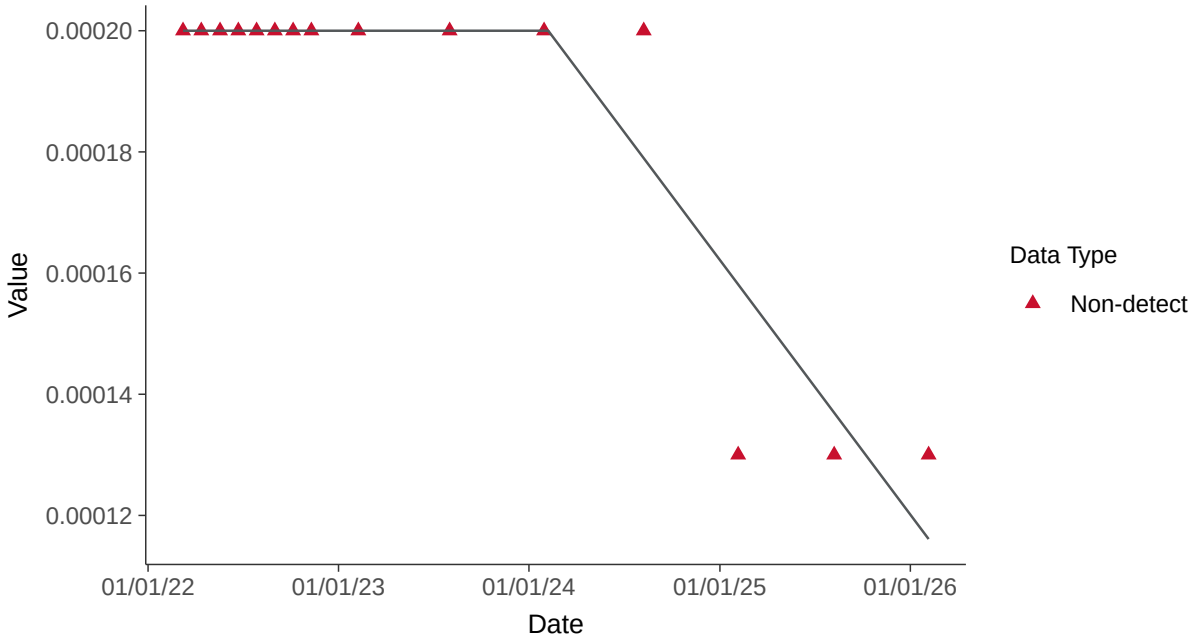
Boxplot by Season

Mercury, MW-7B (mg/l)



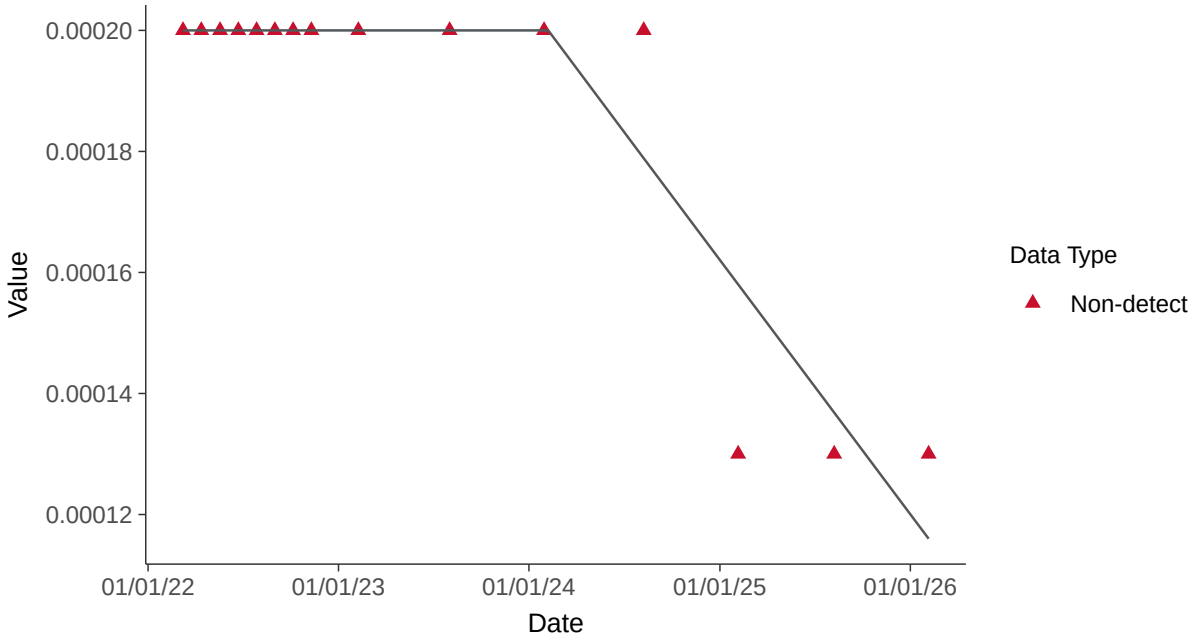
Trend Regression: Piecewise Linear-Linear

Mercury, MW-7B (mg/l)



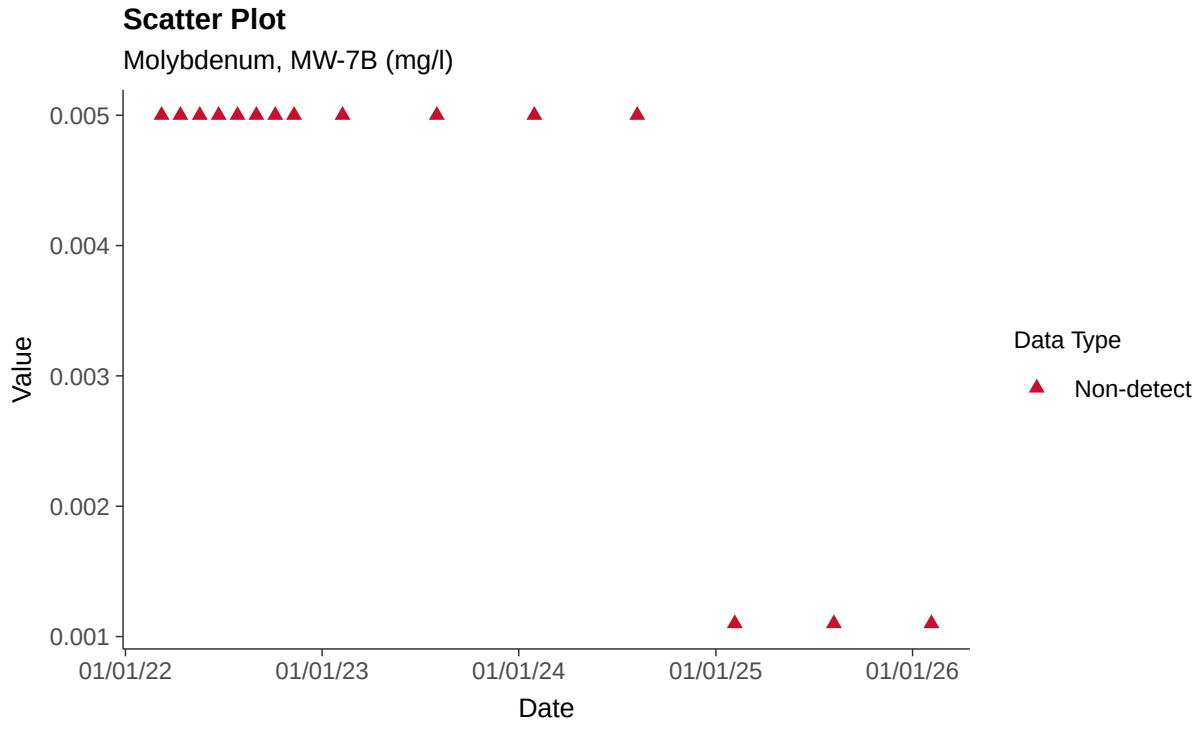
Trend Regression: Piecewise Linear-Linear-Linear

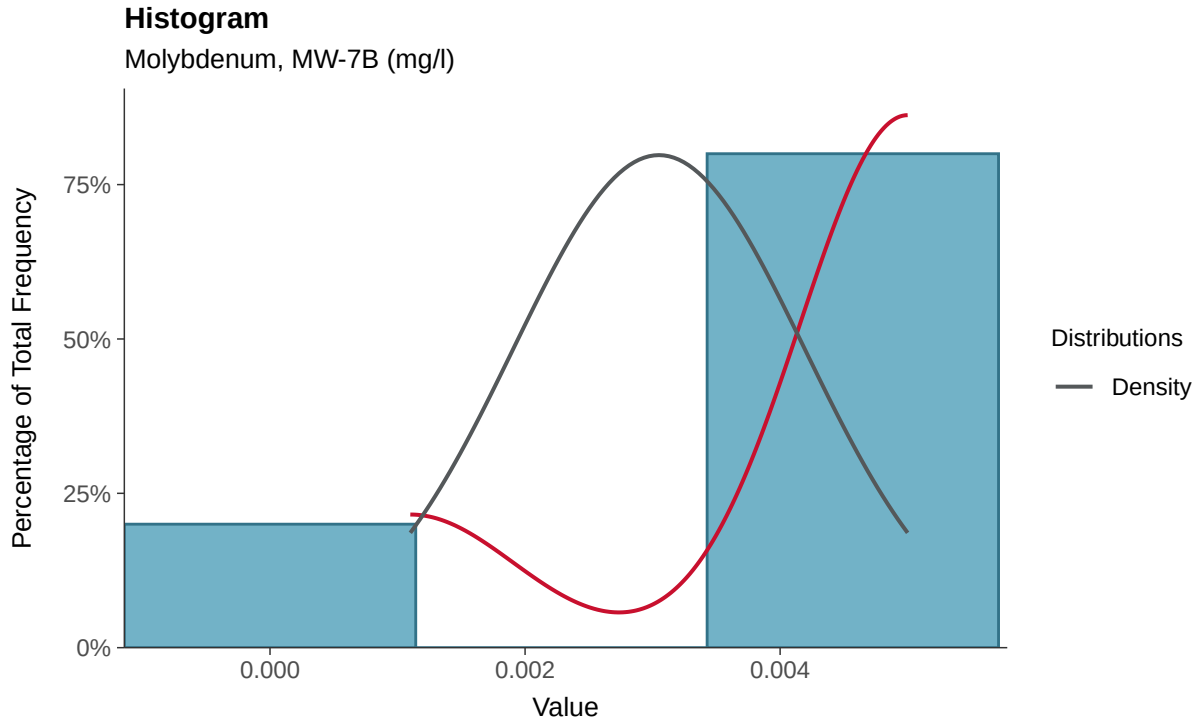
Mercury, MW-7B (mg/l)



Appendix IV: Molybdenum, MW-7B

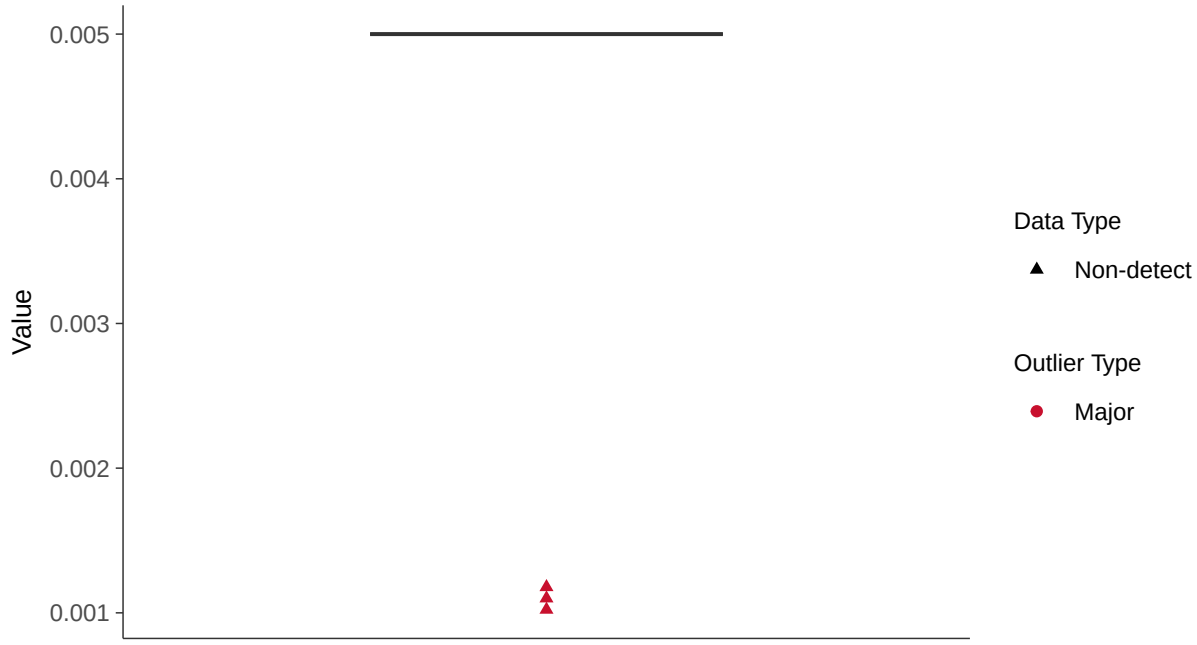
ID: 11_3_118





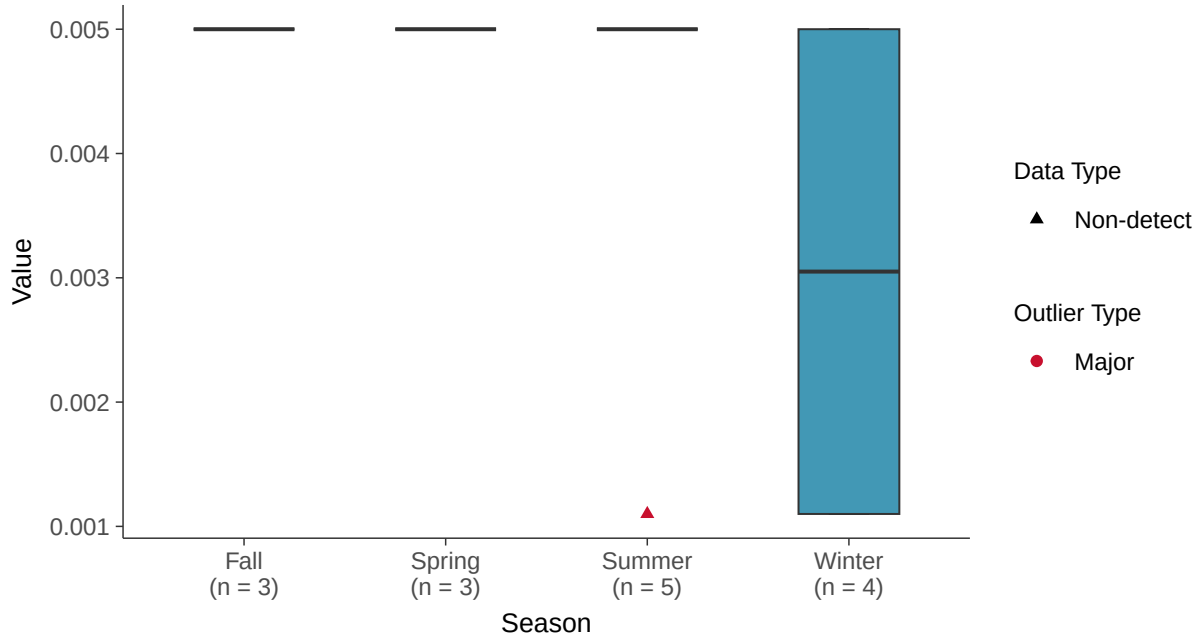
Boxplot

Molybdenum, MW-7B (mg/l)



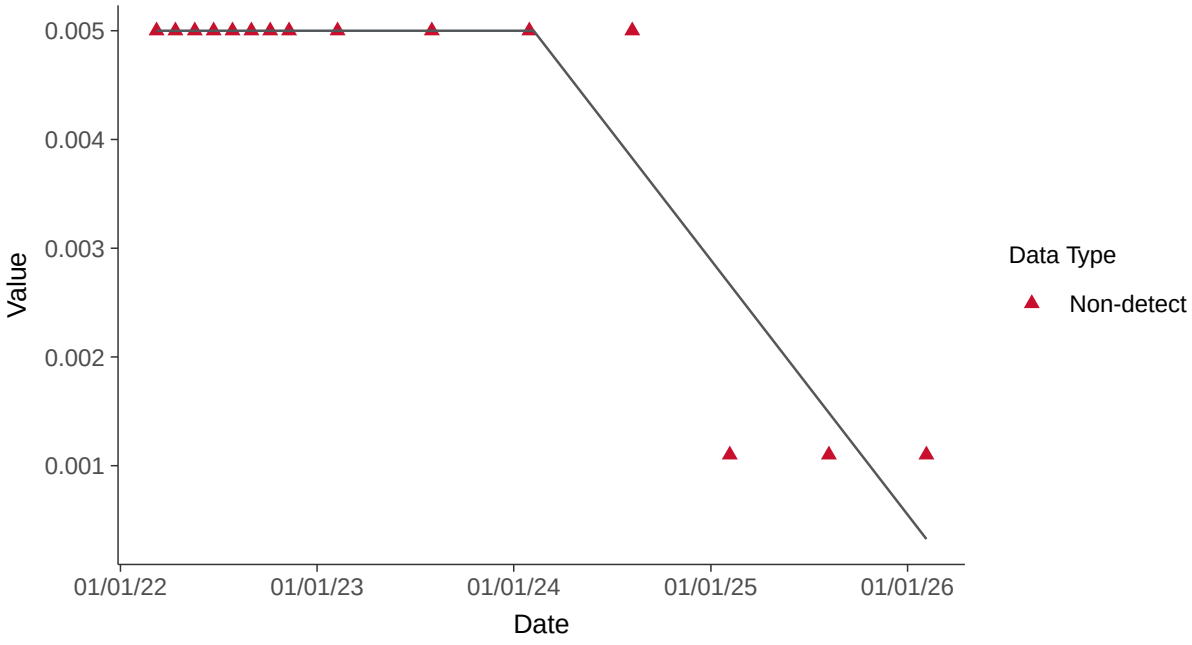
Boxplot by Season

Molybdenum, MW-7B (mg/l)



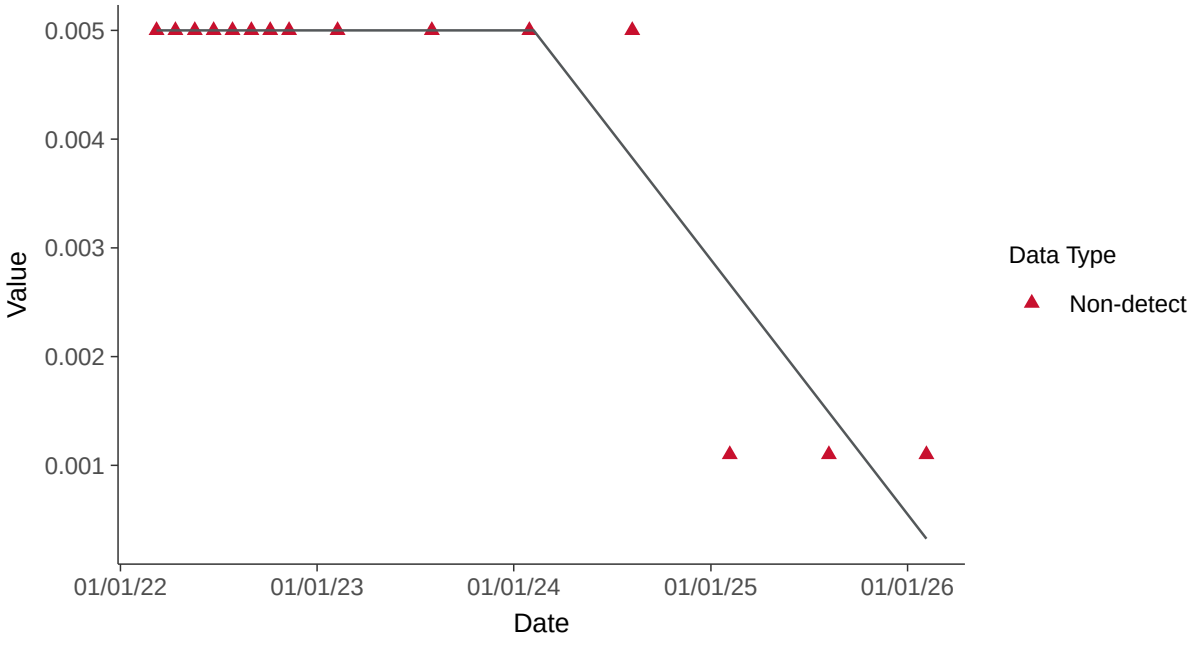
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-7B (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-7B (mg/l)

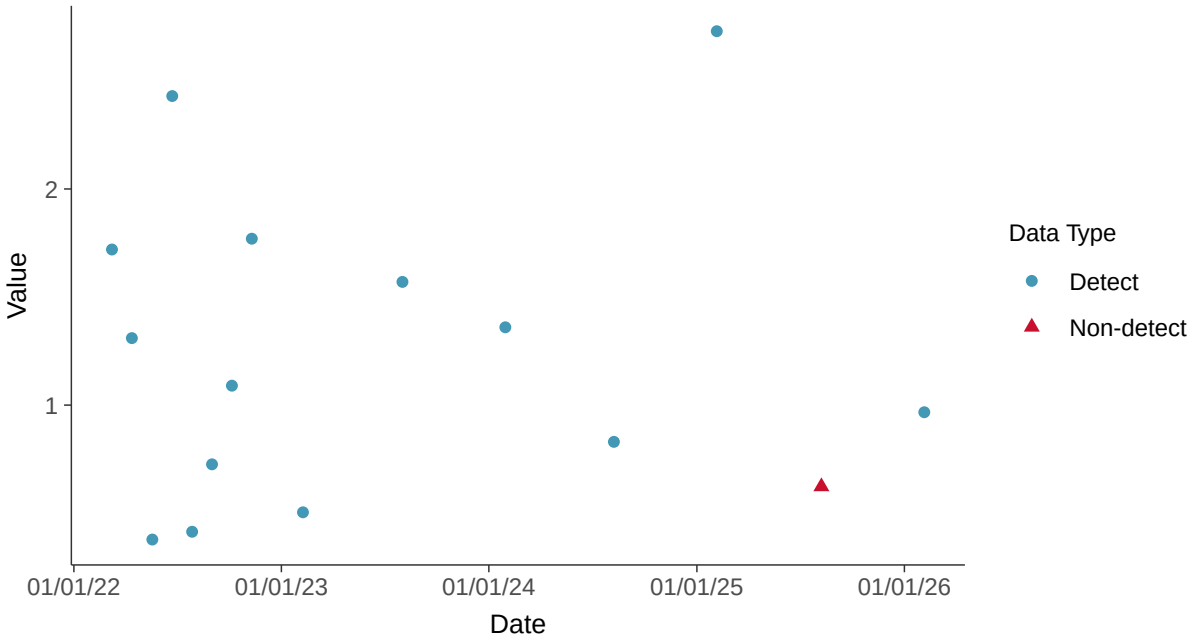


Appendix IV: Radium-226+228, MW-7B

ID: 11_3_121

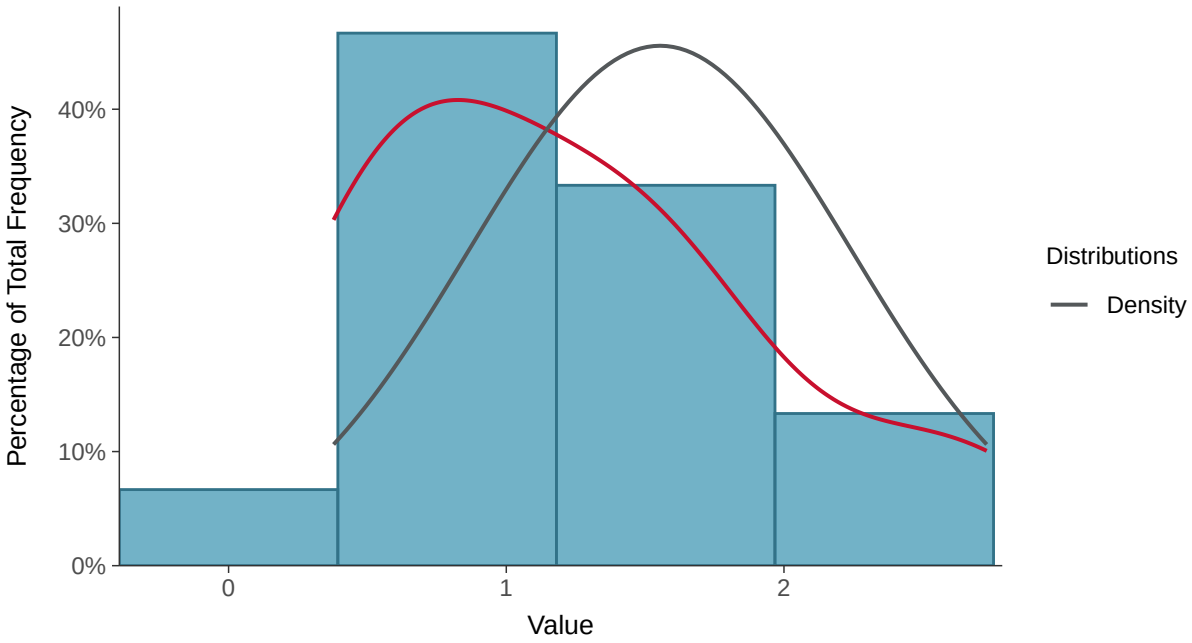
Scatter Plot

Radium-226+228, MW-7B (pci/l)



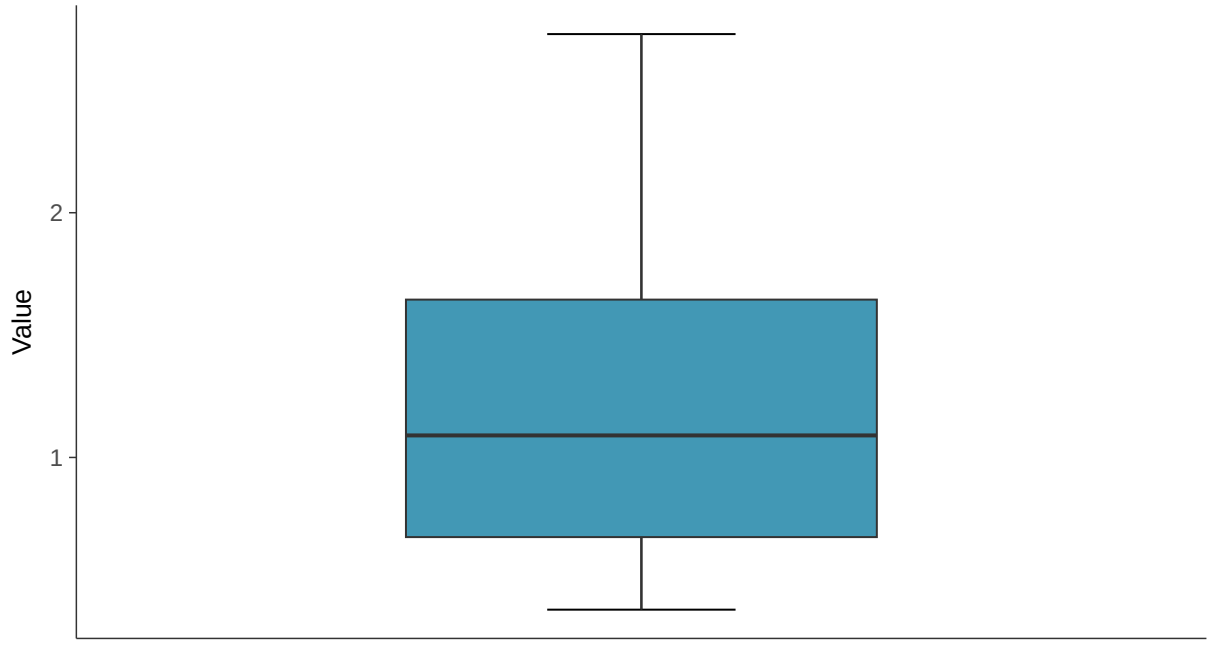
Histogram

Radium-226+228, MW-7B (pci/l)



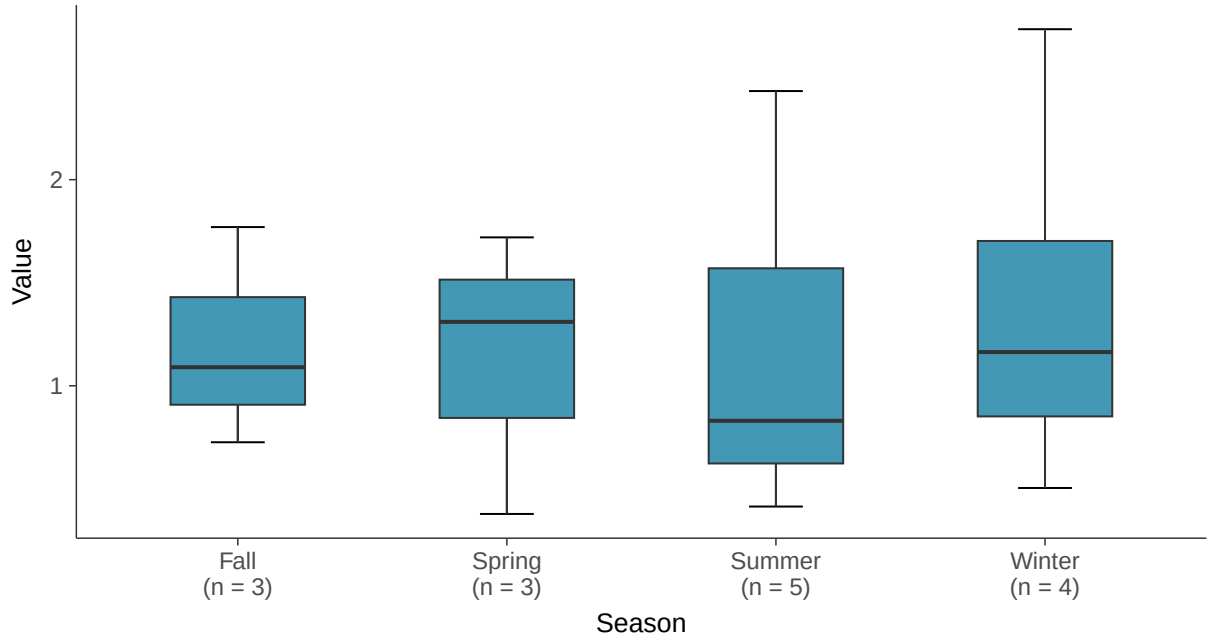
Boxplot

Radium-226+228, MW-7B (pci/l)



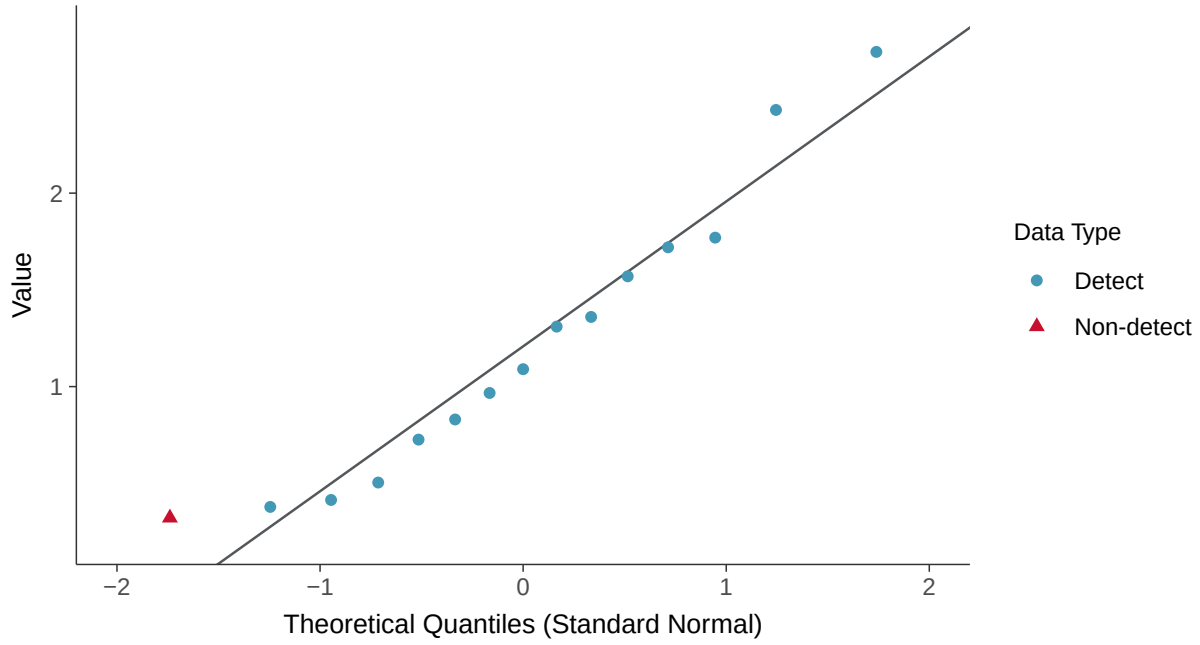
Boxplot by Season

Radium-226+228, MW-7B (pci/l)



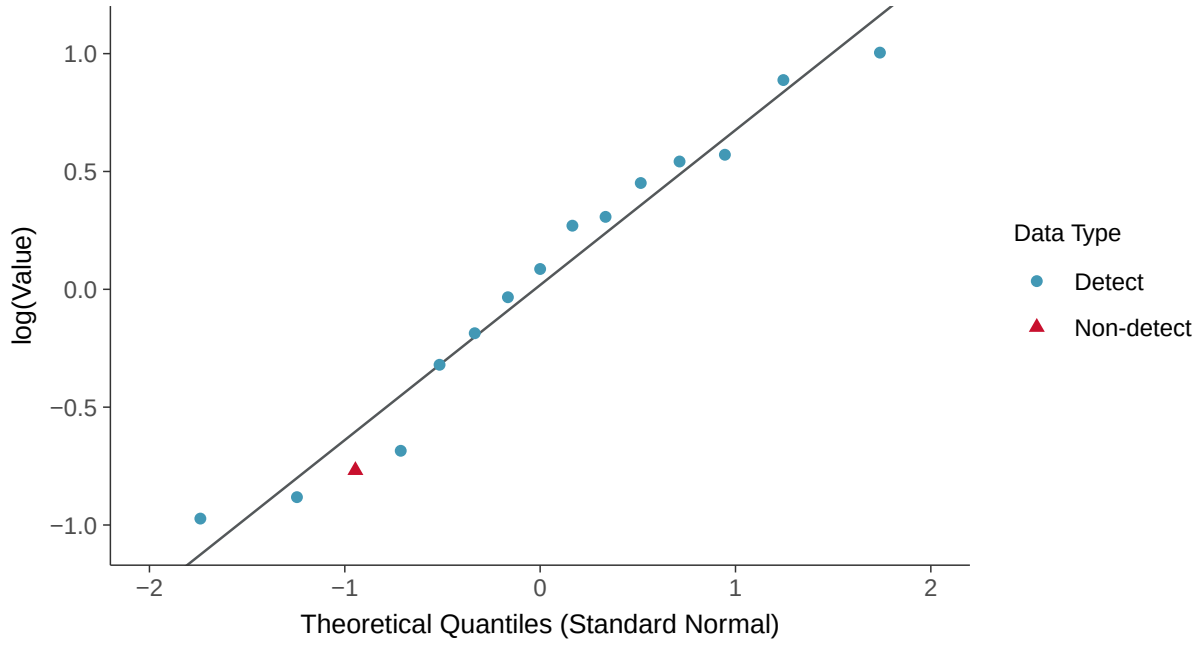
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-7B (pci/l)



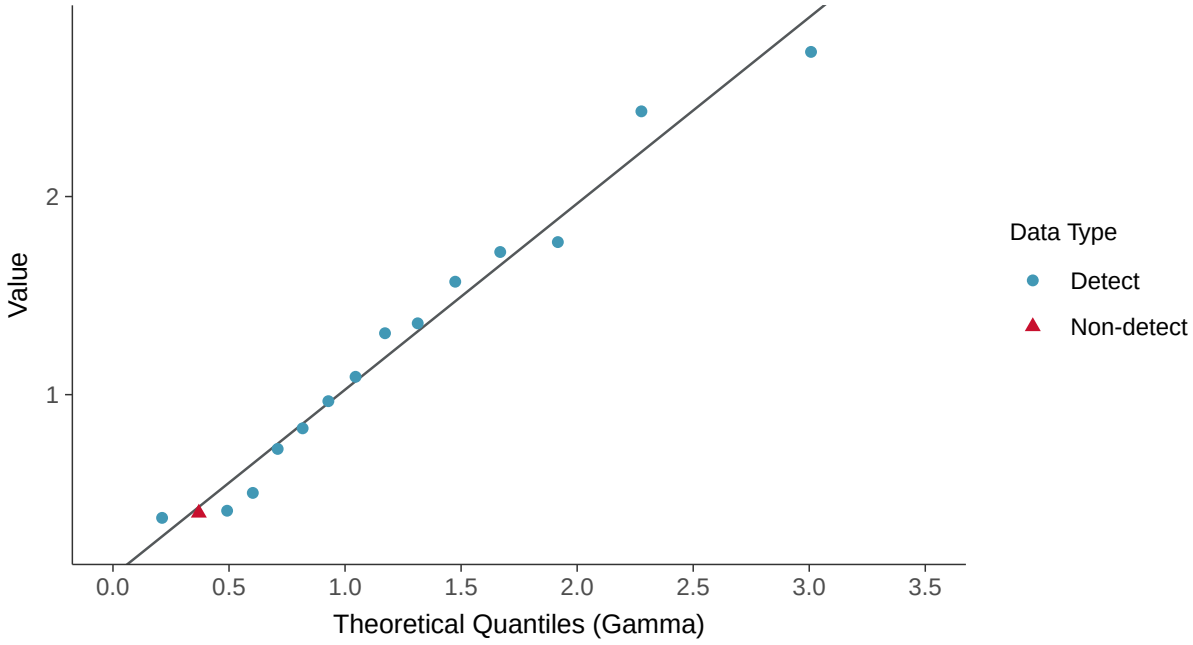
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-7B (pci/l)



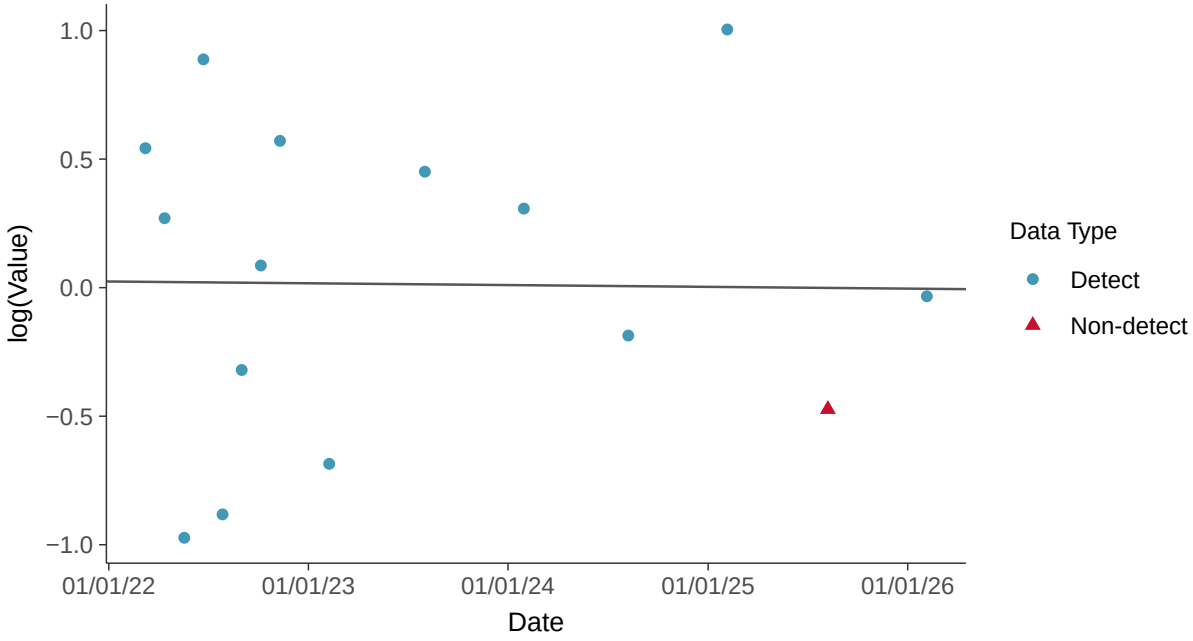
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-7B (pci/l)



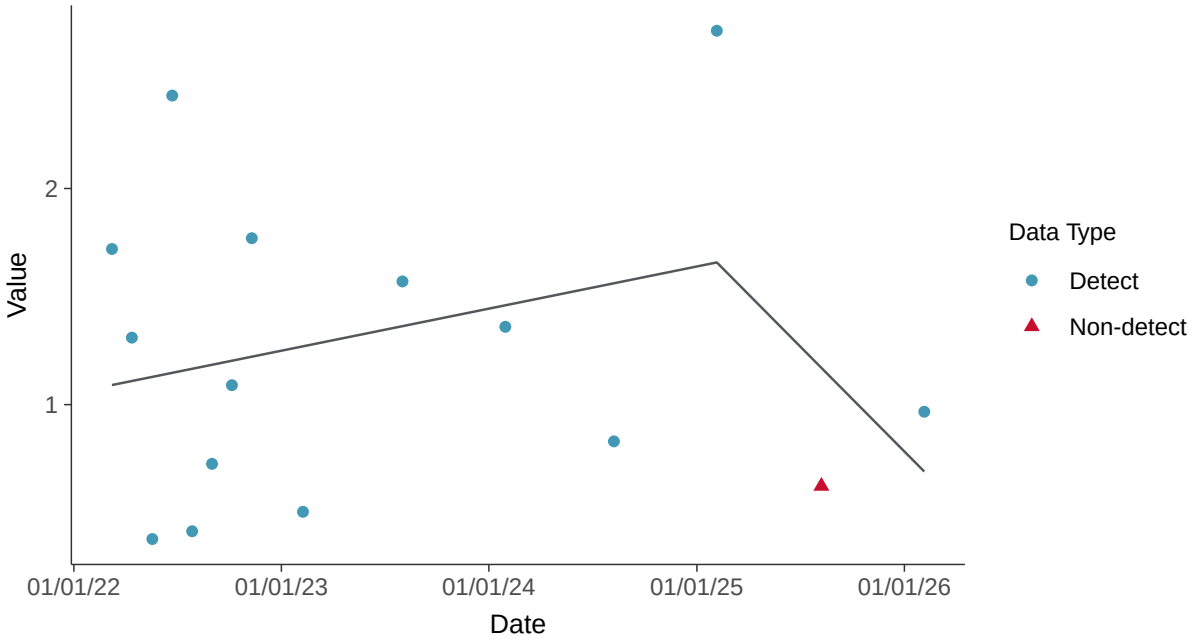
Trend Regression: Lognormal MLE

Radium-226+228, MW-7B (pci/l)



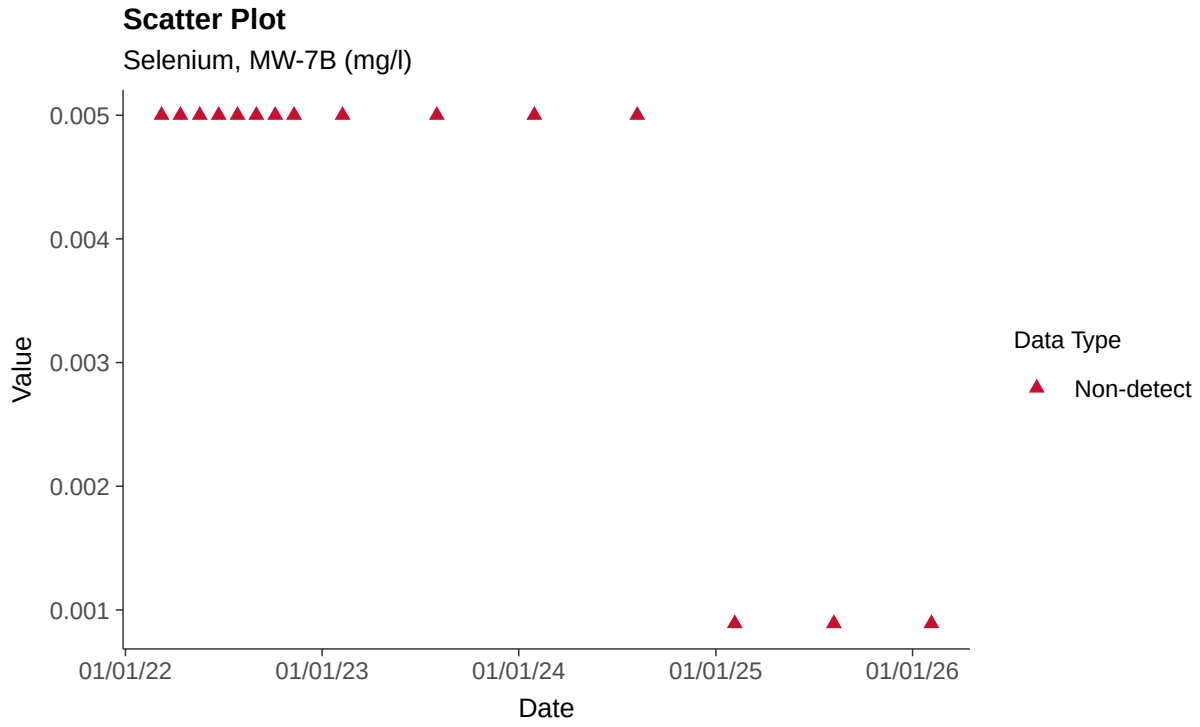
Trend Regression: Piecewise Linear-Linear

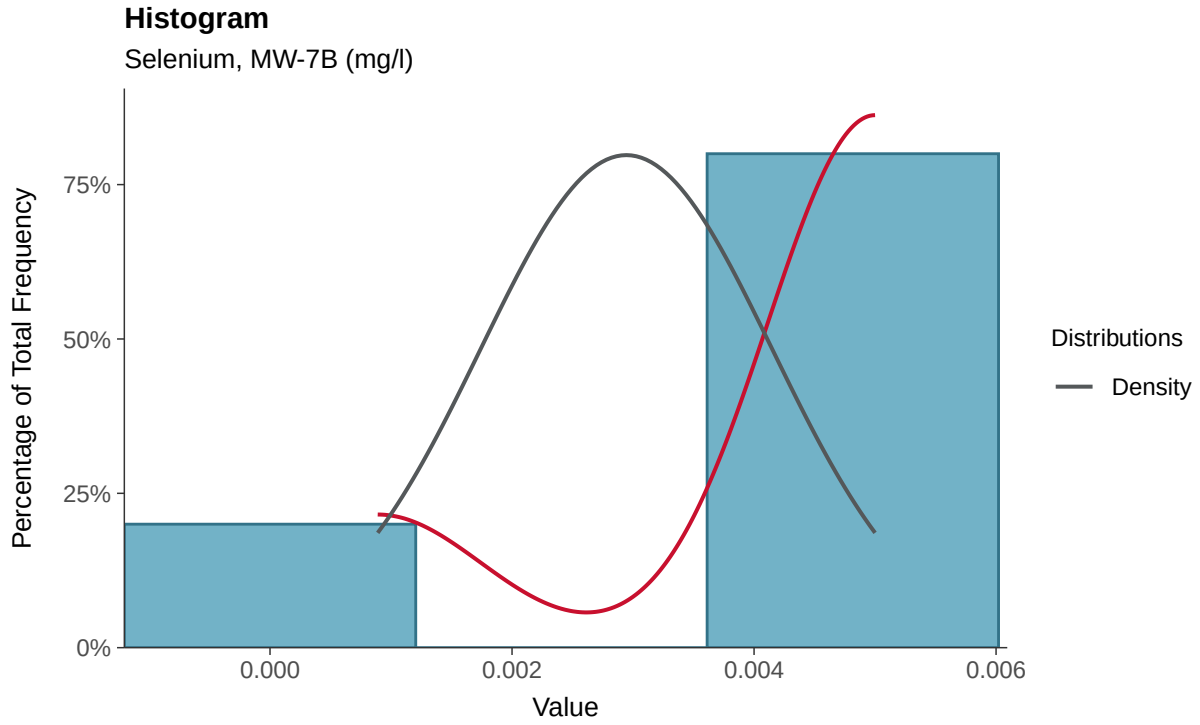
Radium-226+228, MW-7B (pci/l)



Appendix IV: Selenium, MW-7B

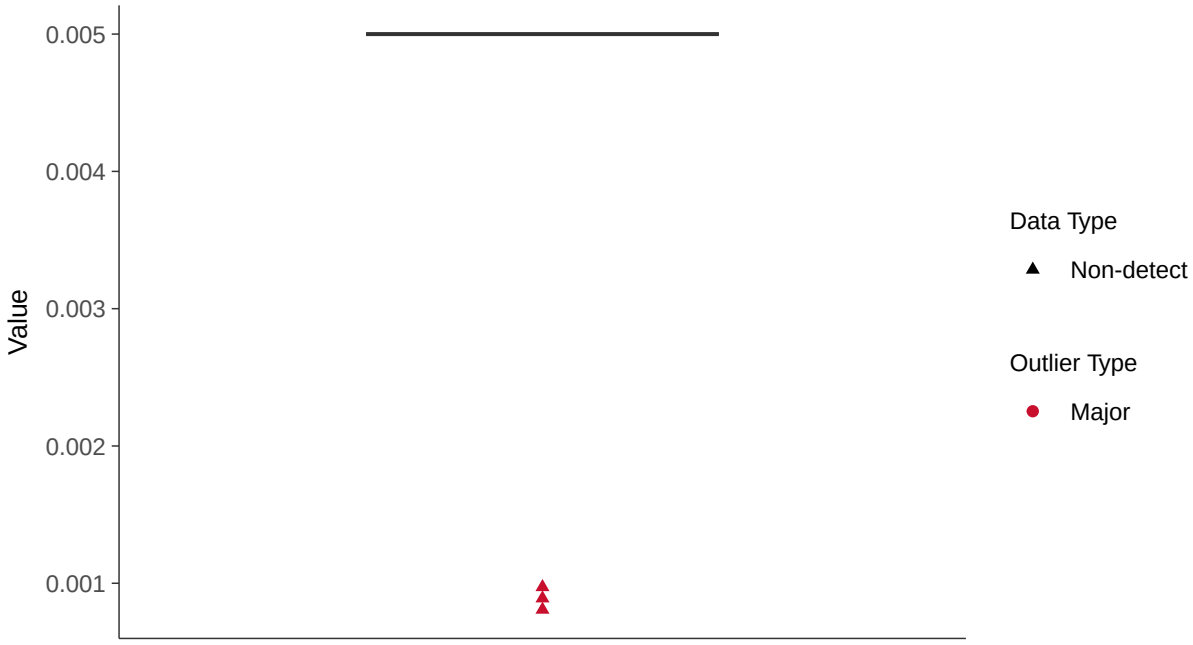
ID: 11_3_122





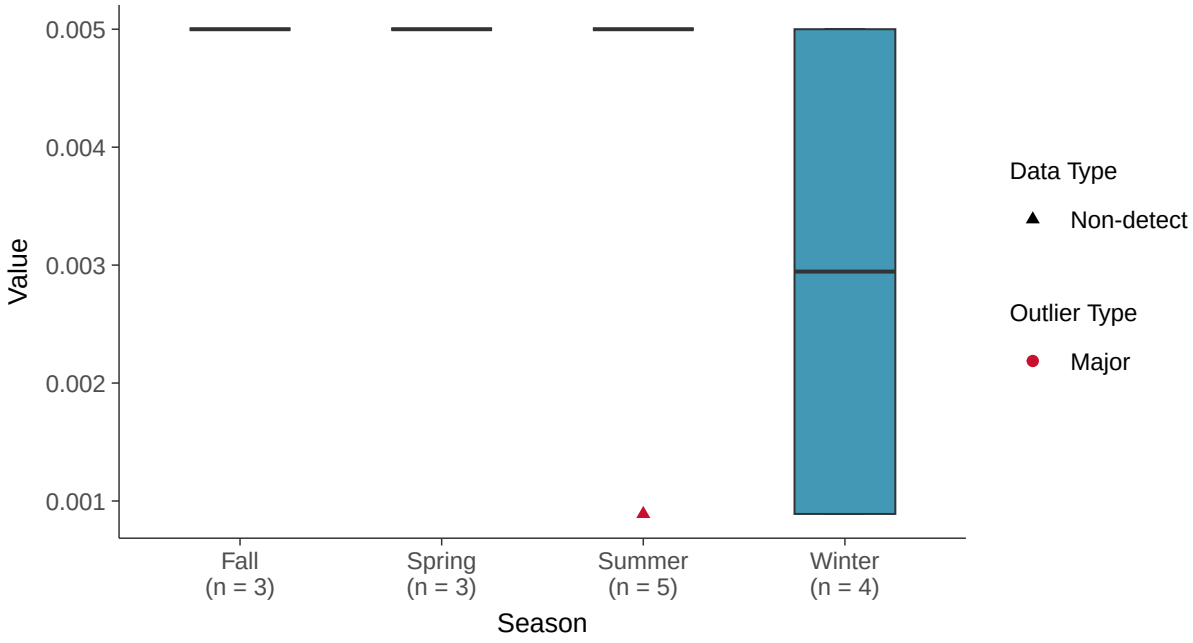
Boxplot

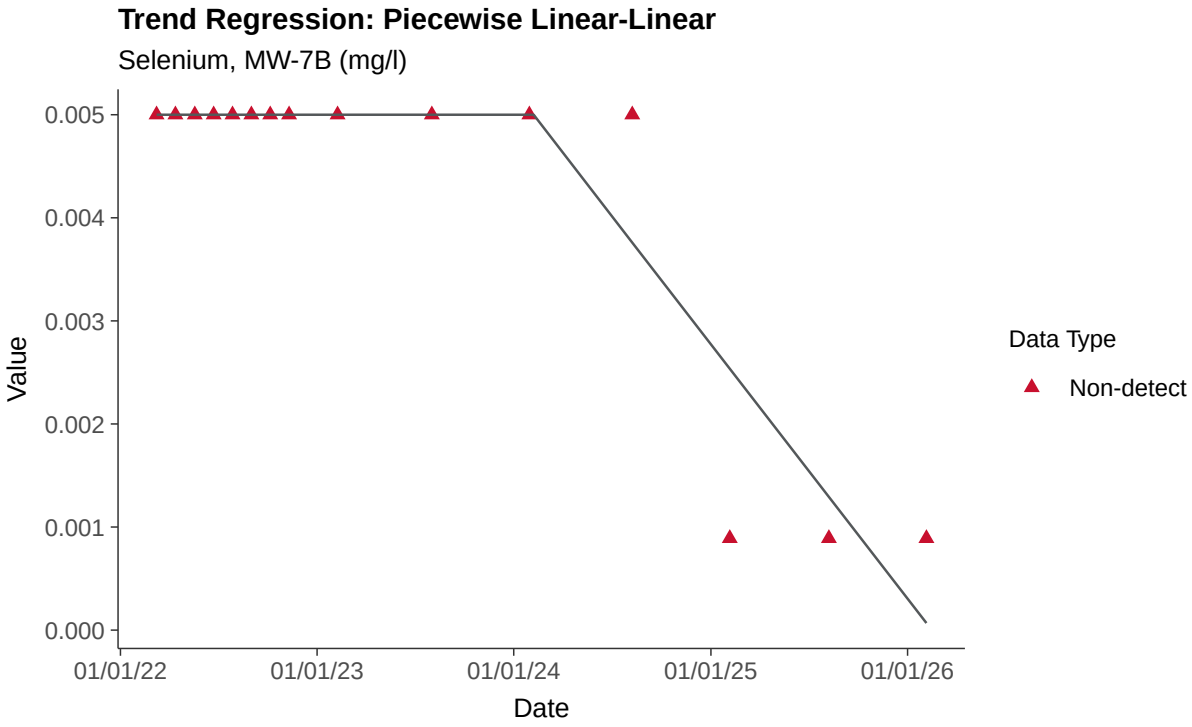
Selenium, MW-7B (mg/l)



Boxplot by Season

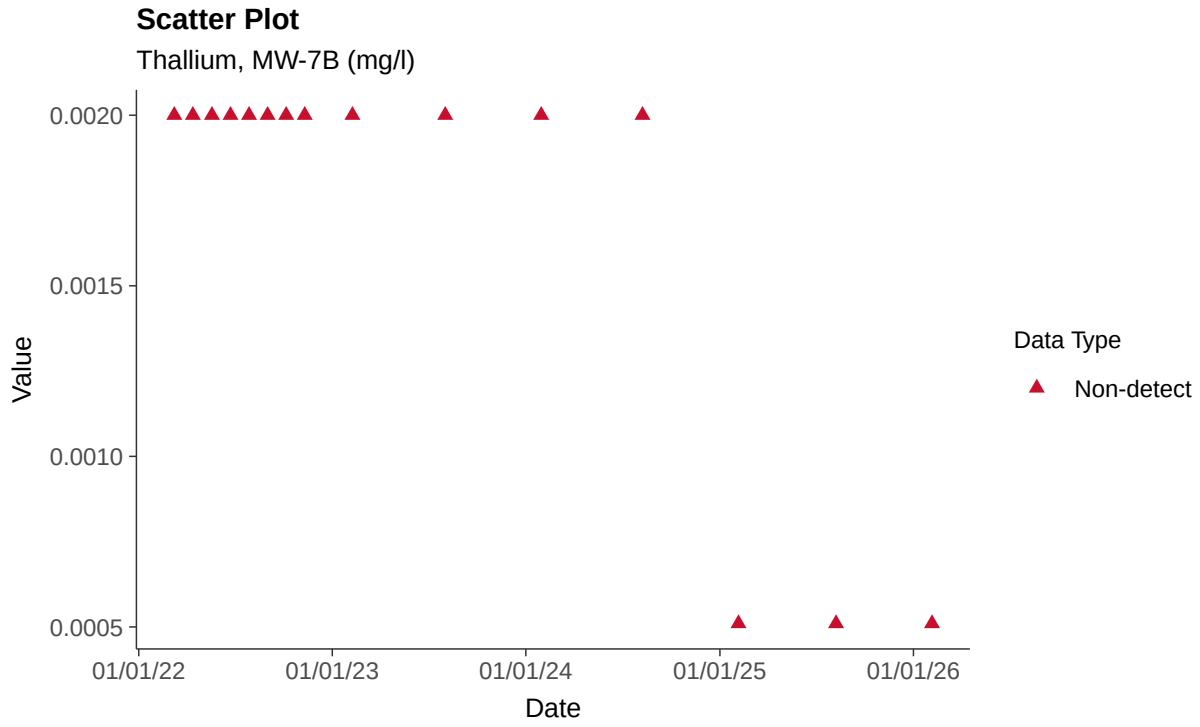
Selenium, MW-7B (mg/l)

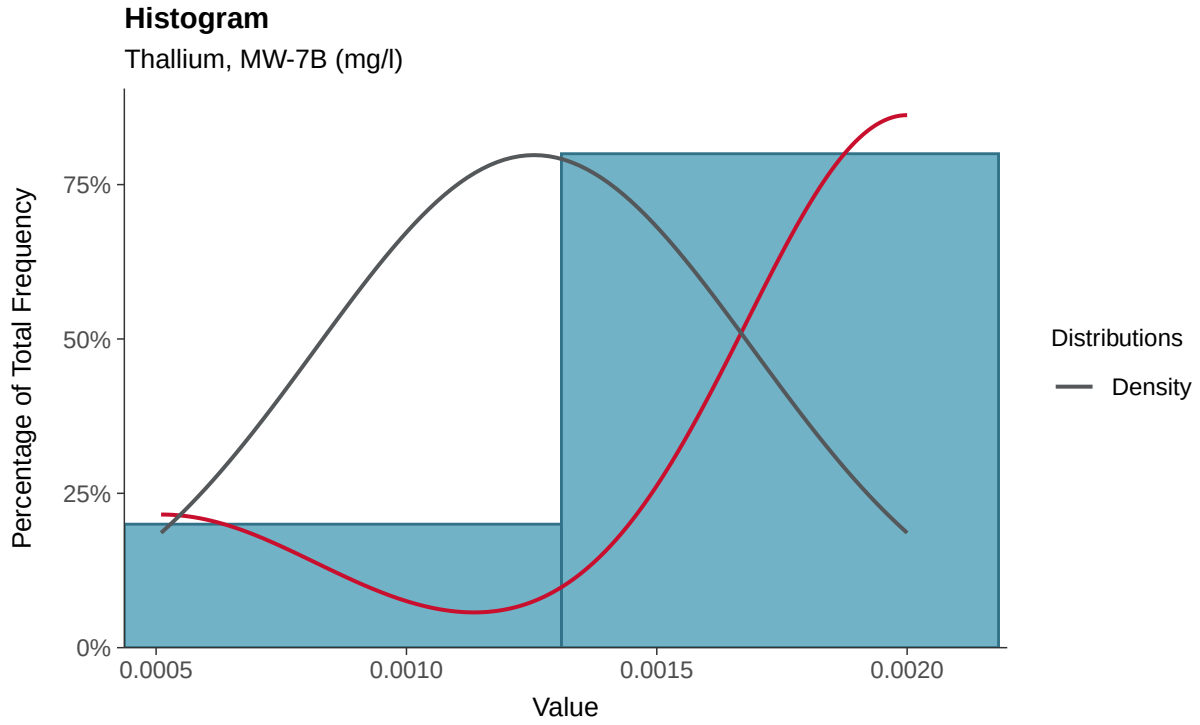



Trend Regression: Piecewise Linear-Linear
Selenium, MW-7B (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-7B

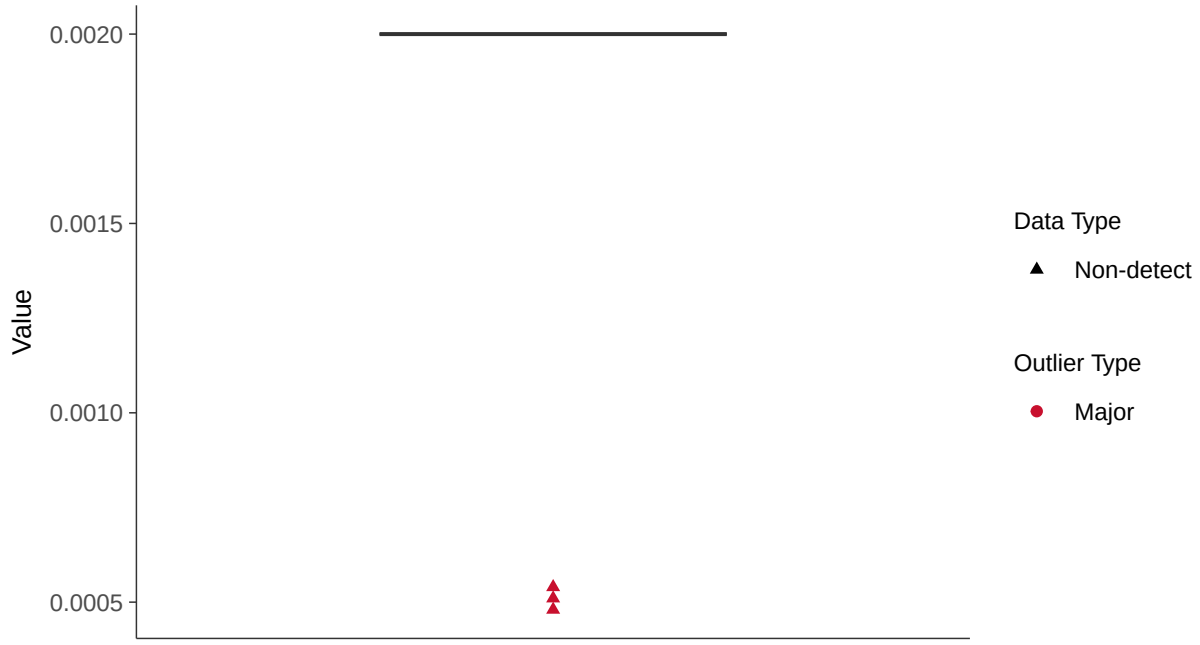
ID: 11_3_125





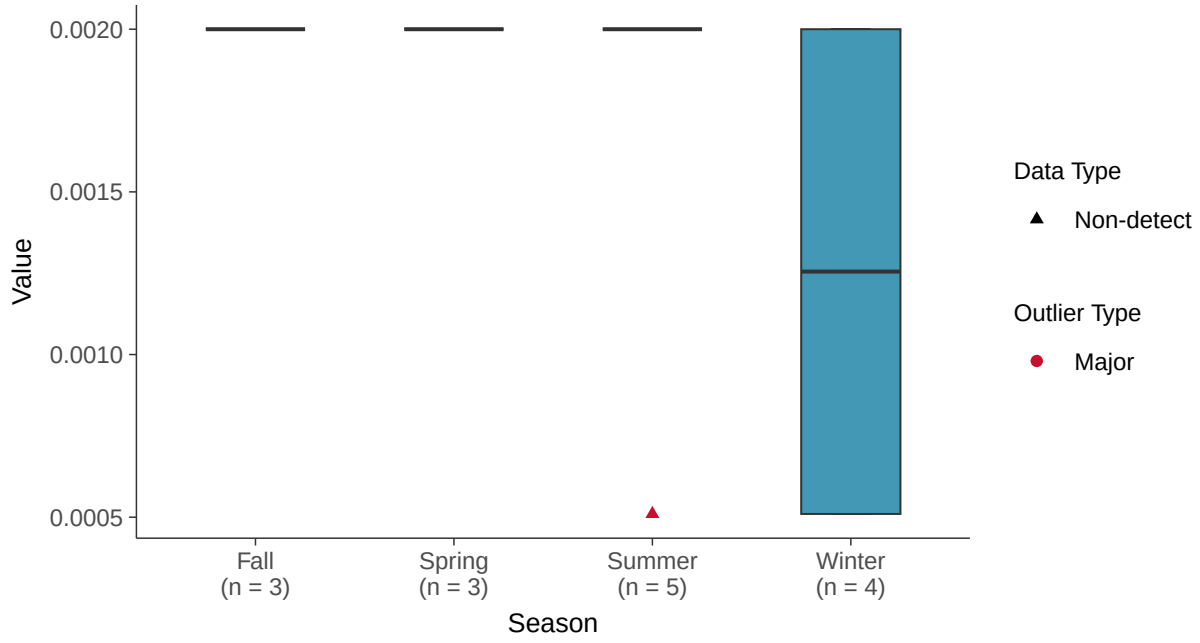
Boxplot

Thallium, MW-7B (mg/l)



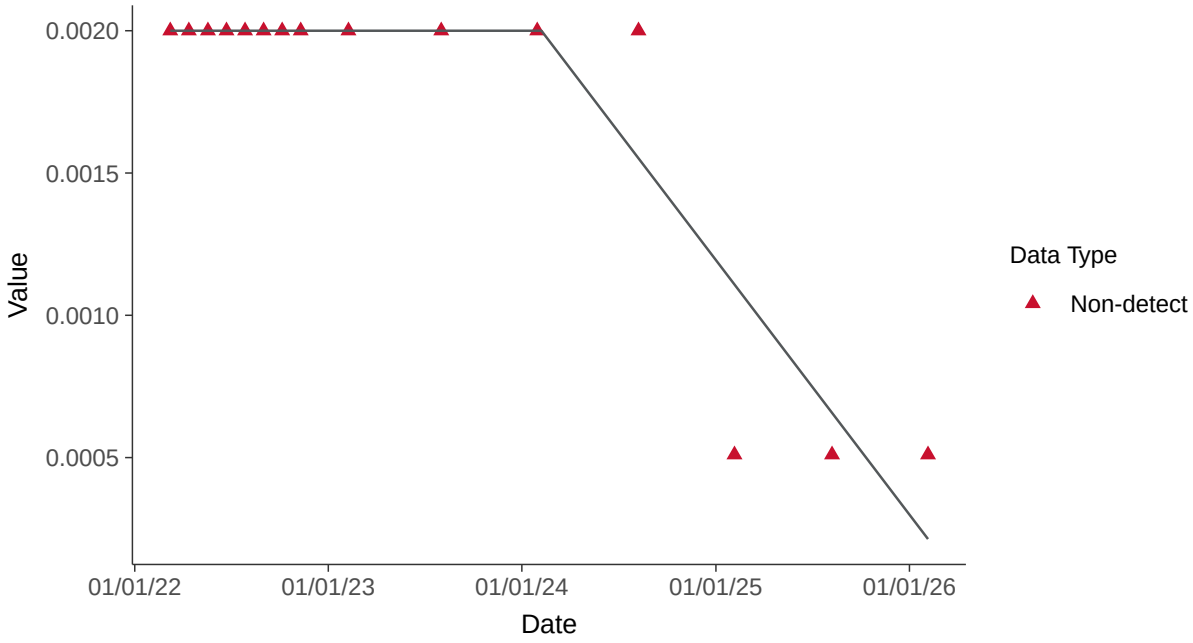
Boxplot by Season

Thallium, MW-7B (mg/l)



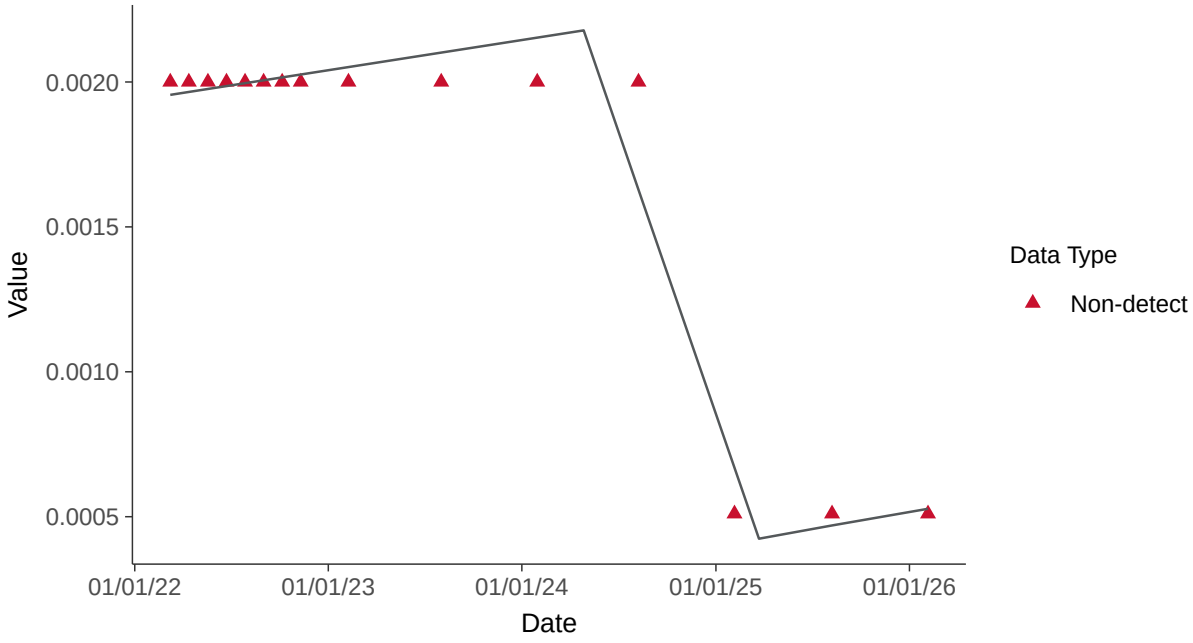
Trend Regression: Piecewise Linear-Linear

Thallium, MW-7B (mg/l)



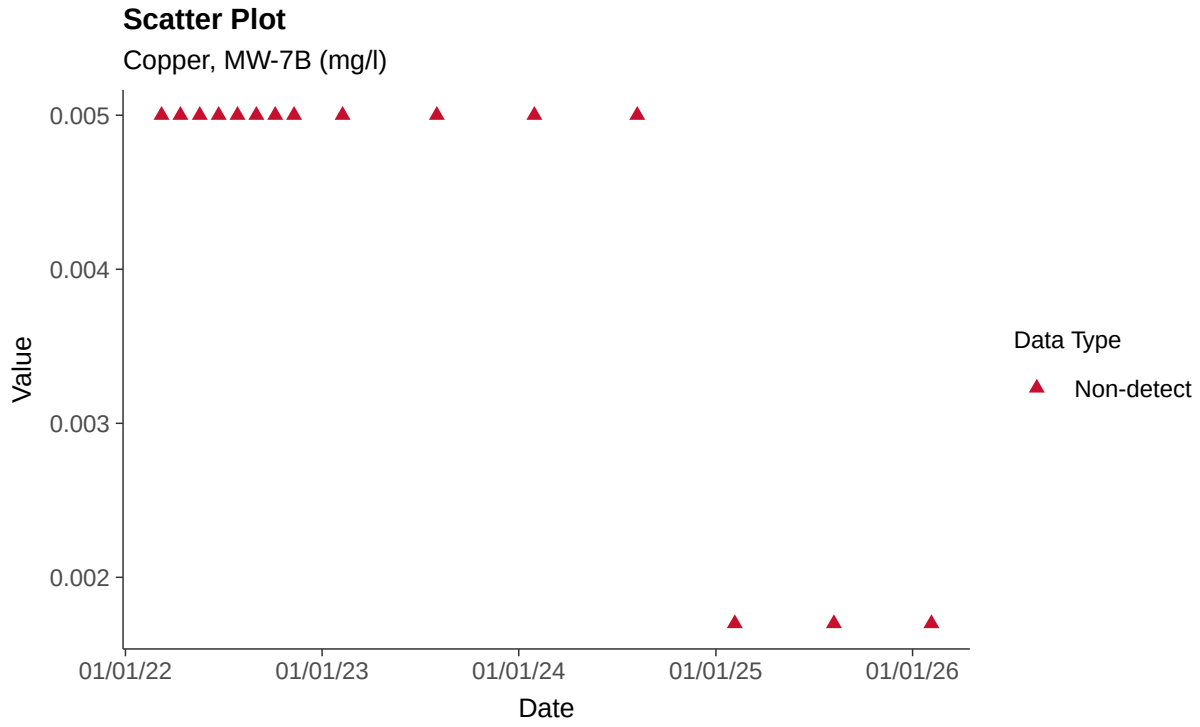
Trend Regression: Piecewise Linear-Linear-Linear

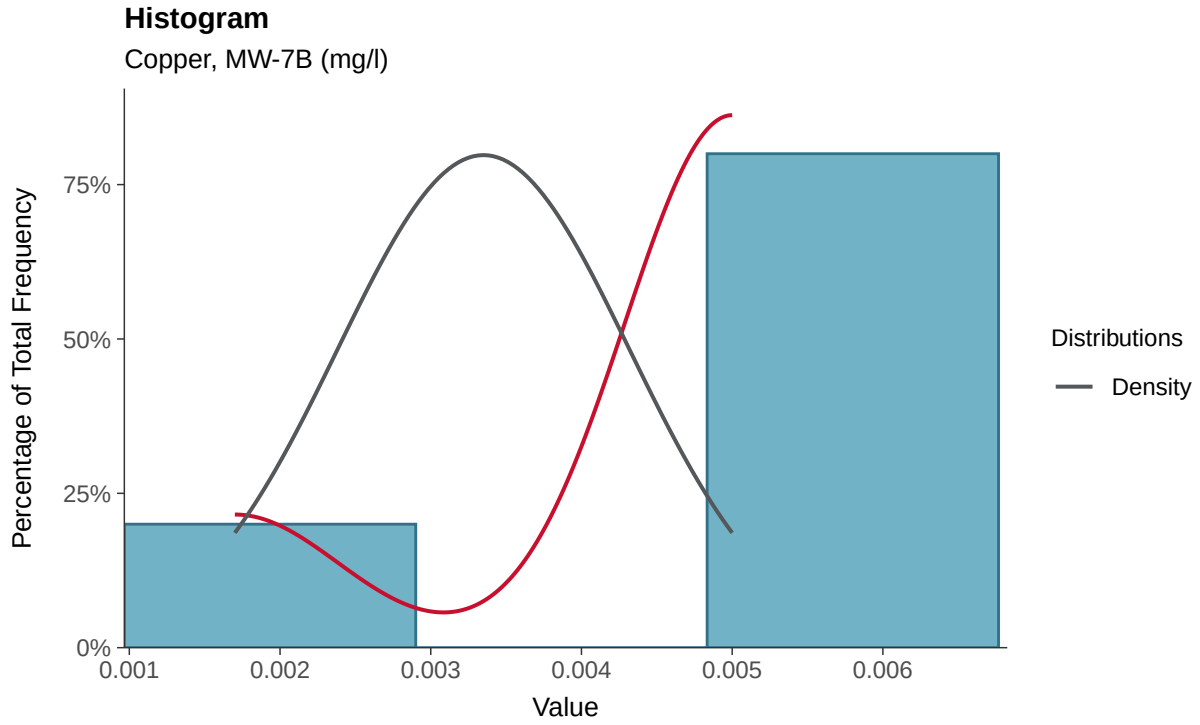
Thallium, MW-7B (mg/l)



Part 115: Copper, MW-7B

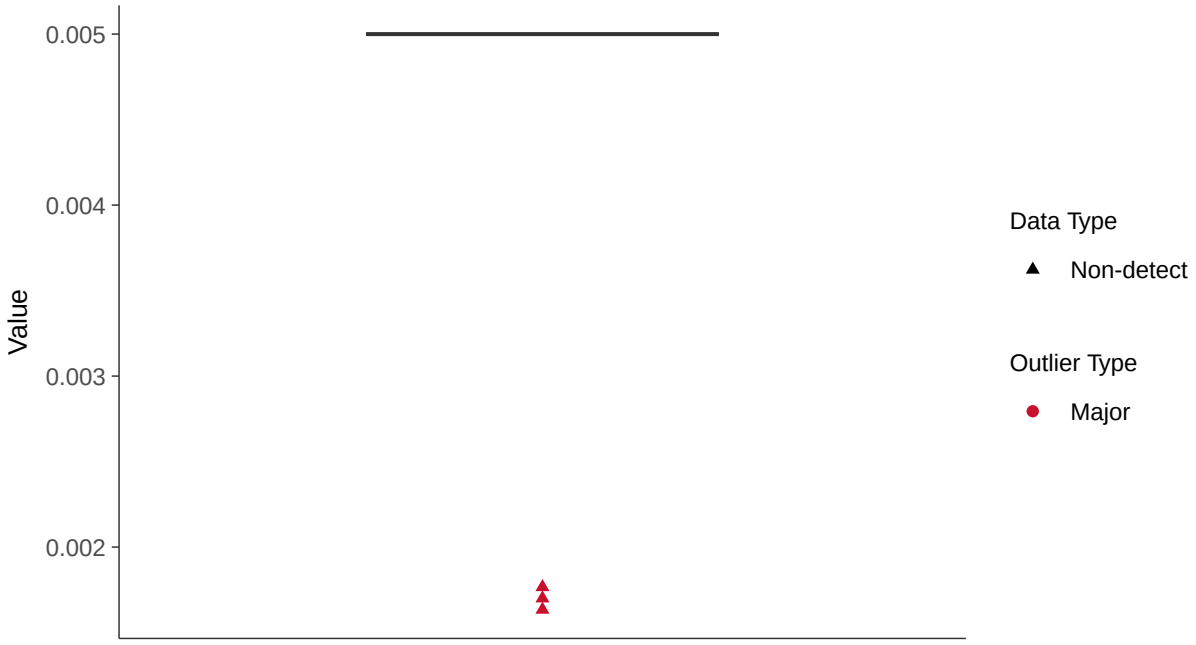
ID: 11_5_111





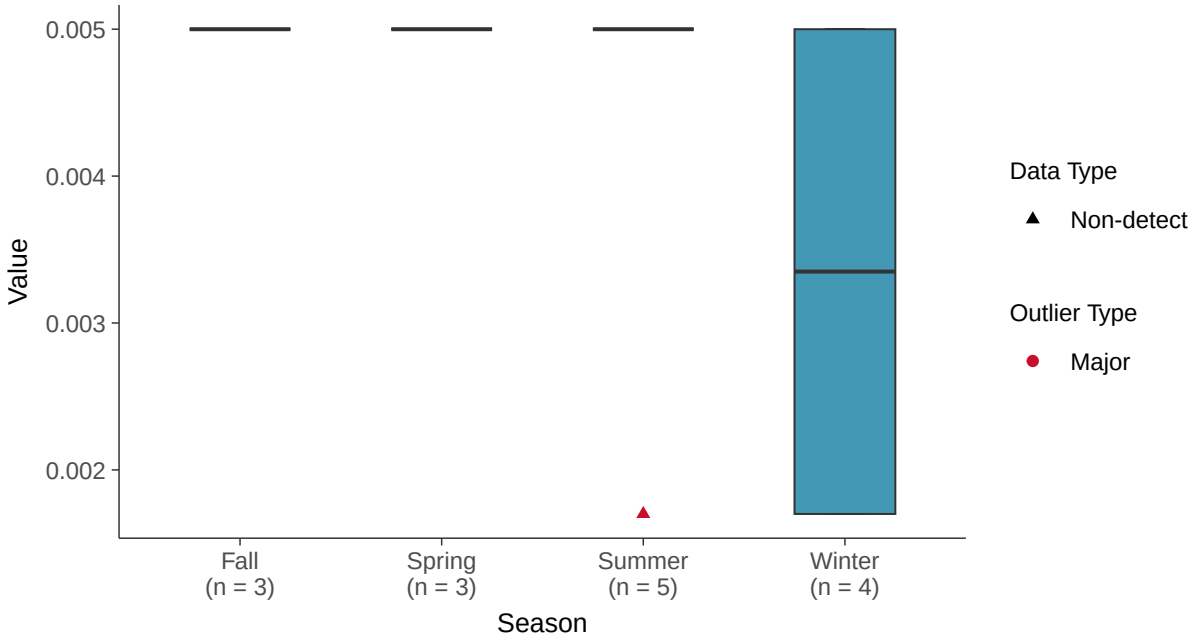
Boxplot

Copper, MW-7B (mg/l)



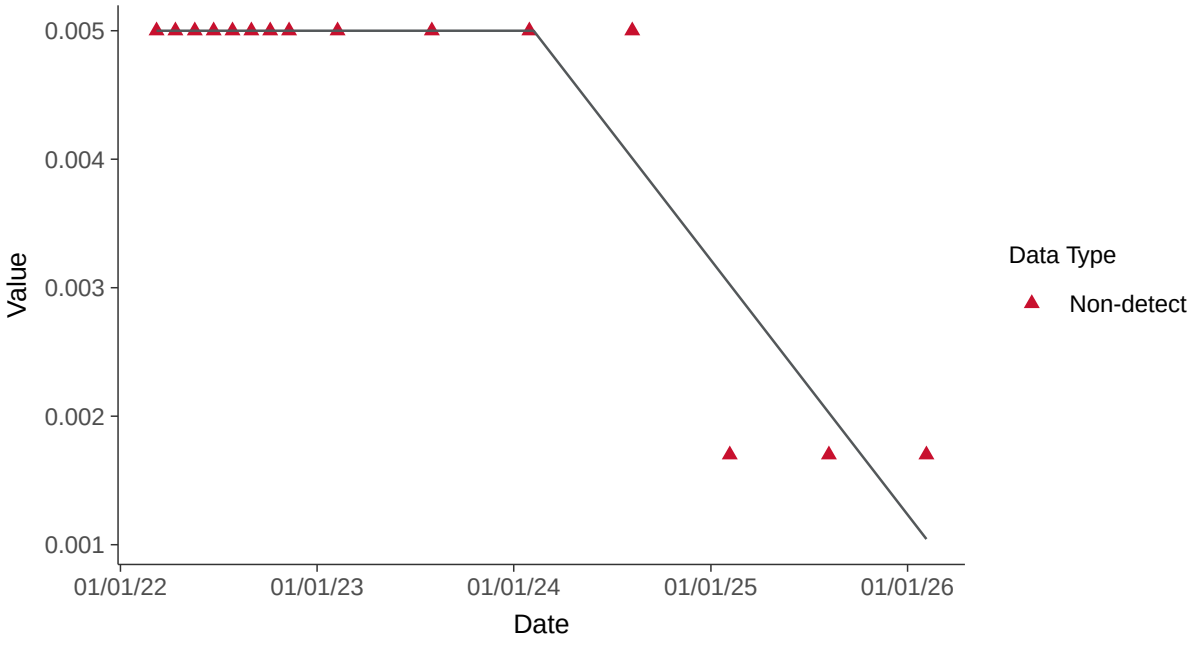
Boxplot by Season

Copper, MW-7B (mg/l)



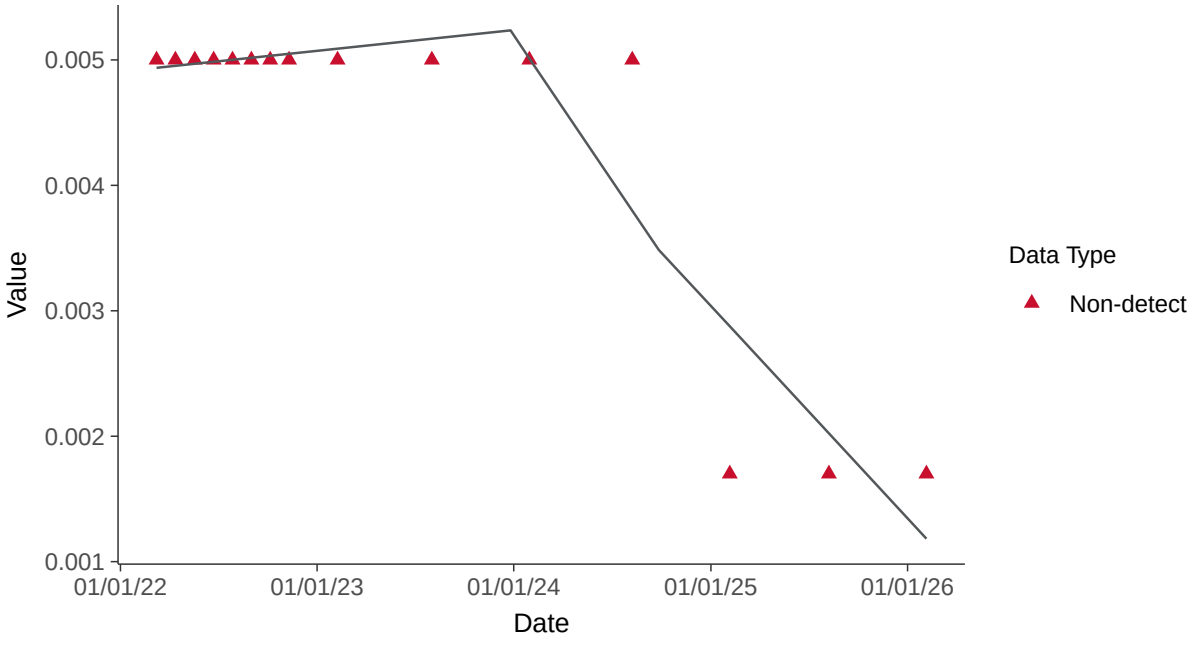
Trend Regression: Piecewise Linear-Linear

Copper, MW-7B (mg/l)



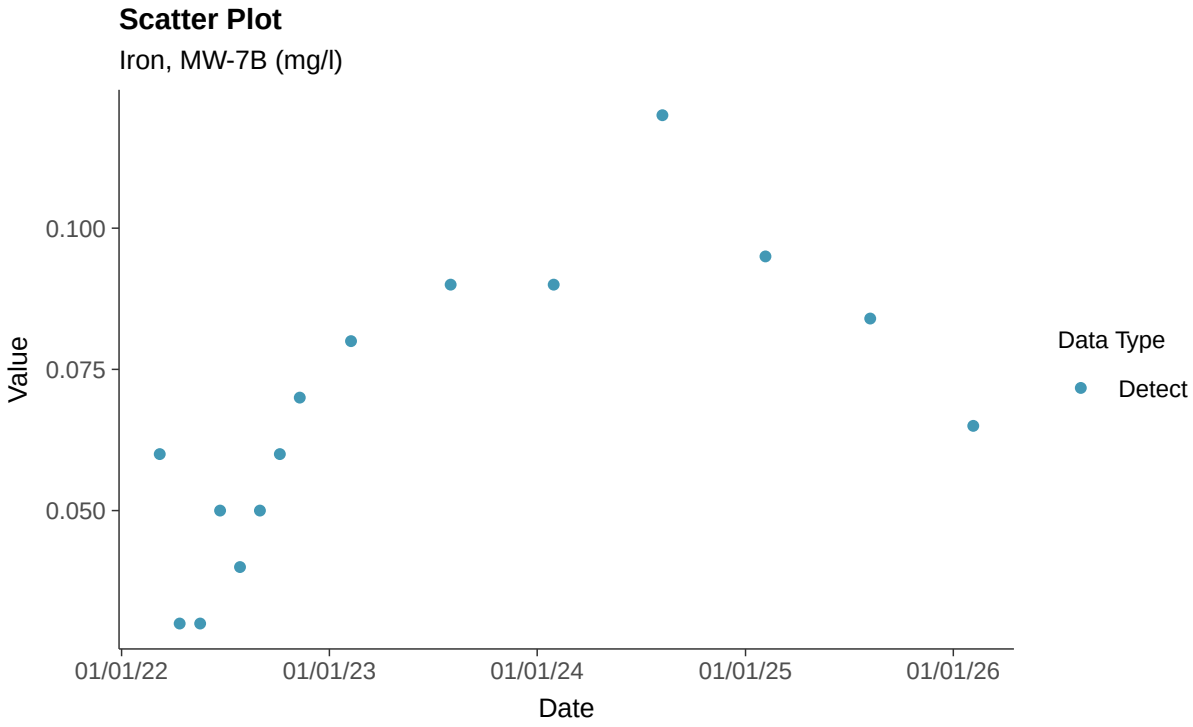
Trend Regression: Piecewise Linear-Linear-Linear

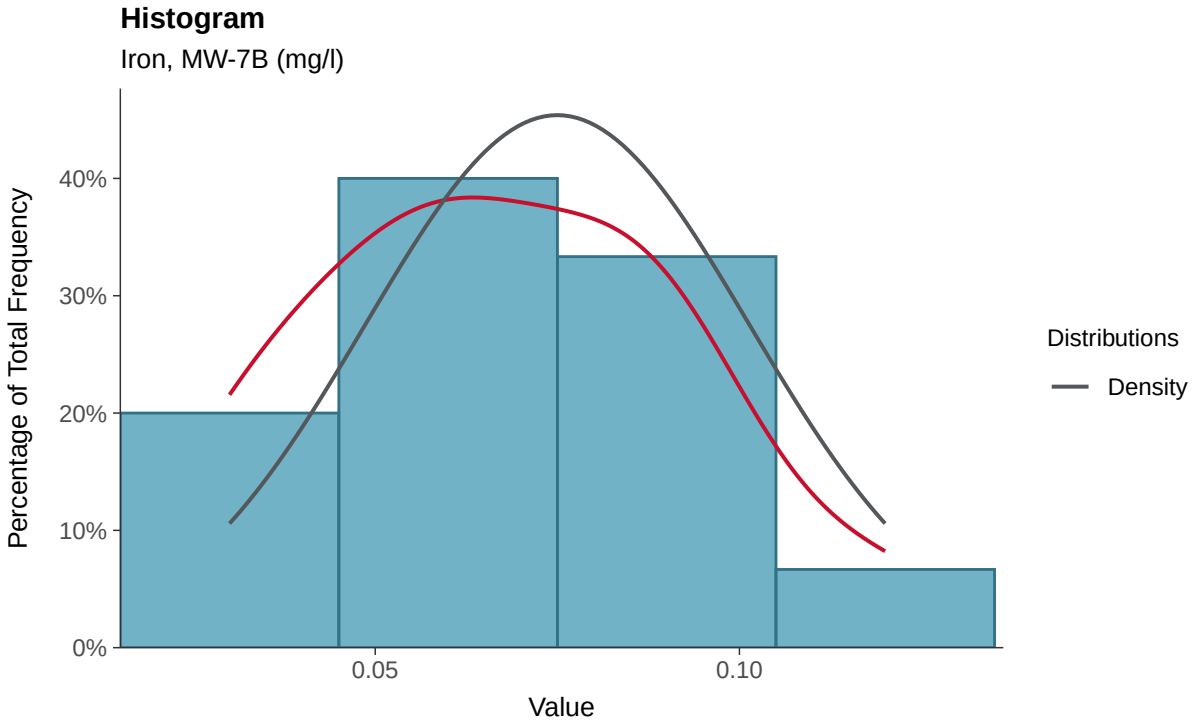
Copper, MW-7B (mg/l)



Part 115: Iron, MW-7B

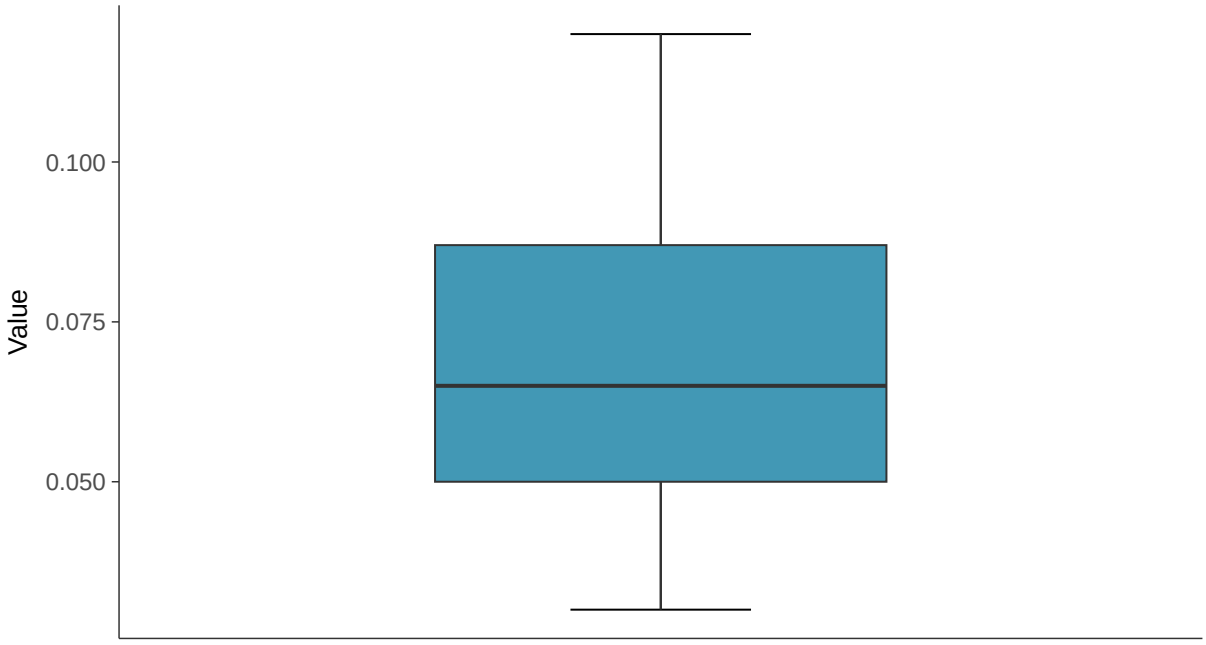
ID: 11_5_114





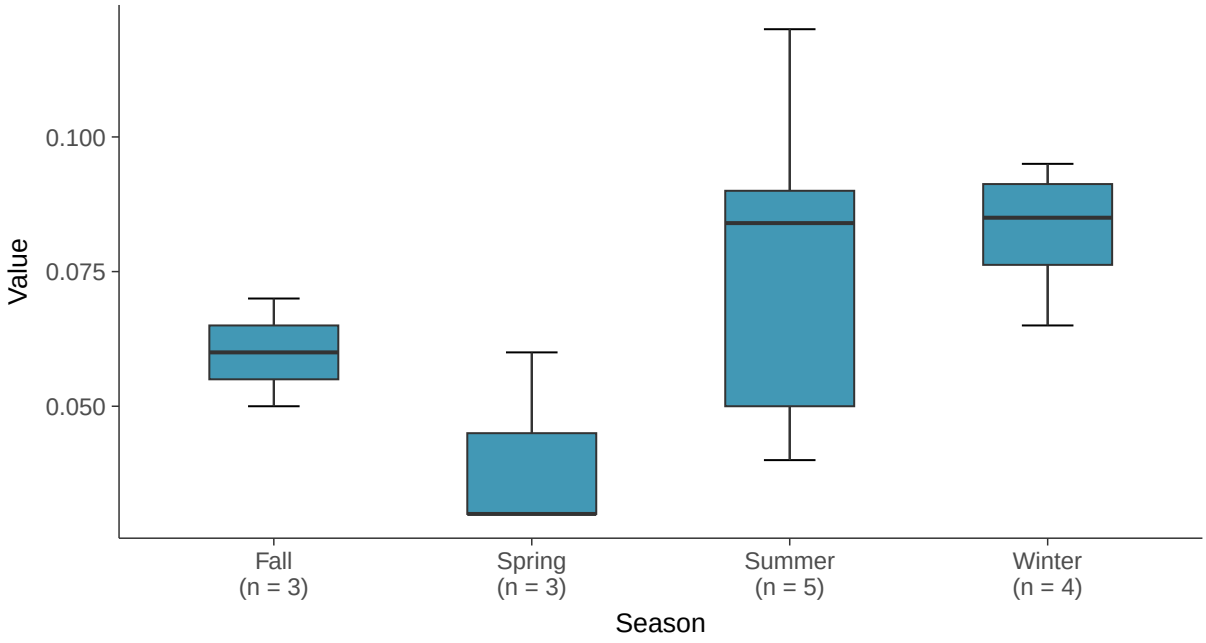
Boxplot

Iron, MW-7B (mg/l)



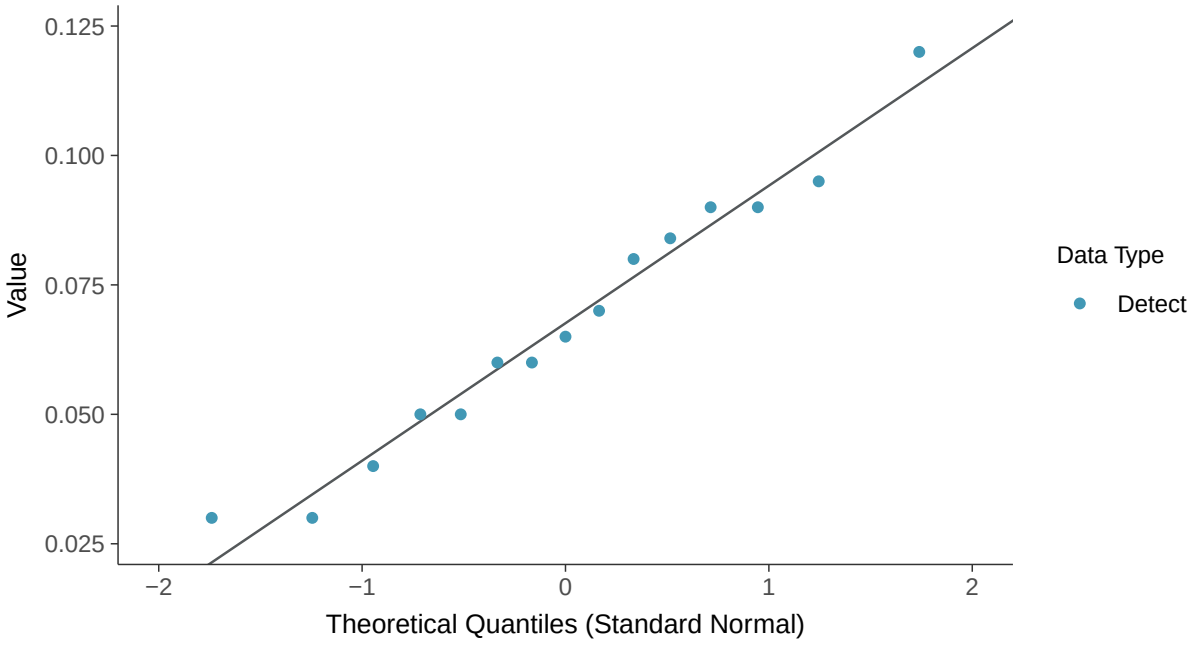
Boxplot by Season

Iron, MW-7B (mg/l)



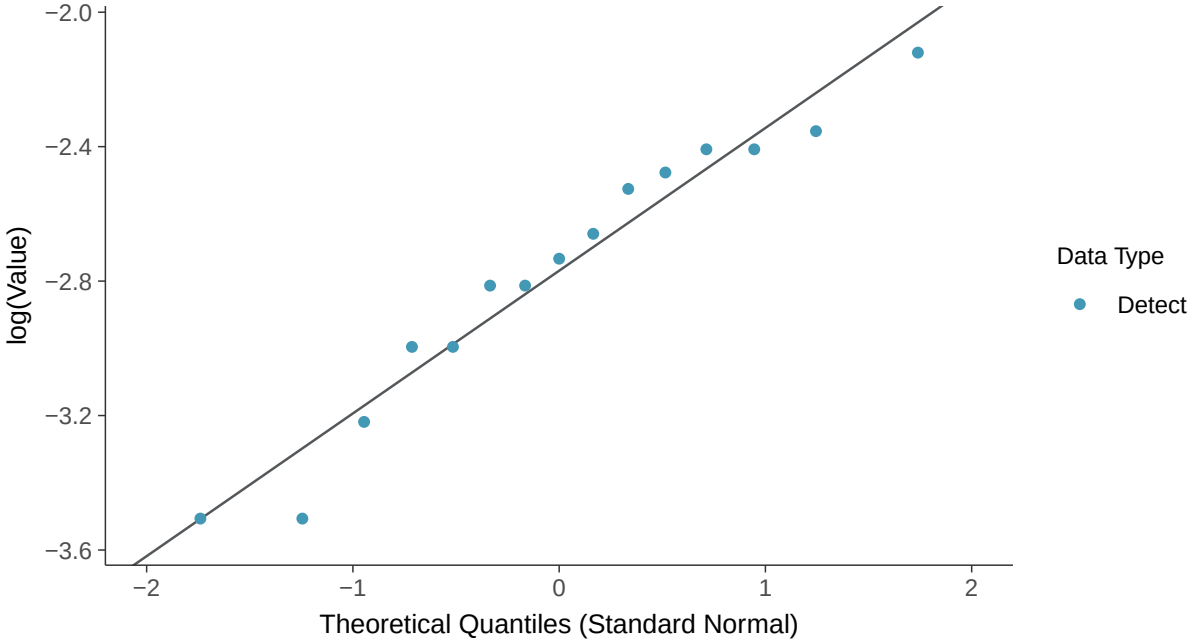
Normal Q-Q plot

Iron, MW-7B (mg/l)



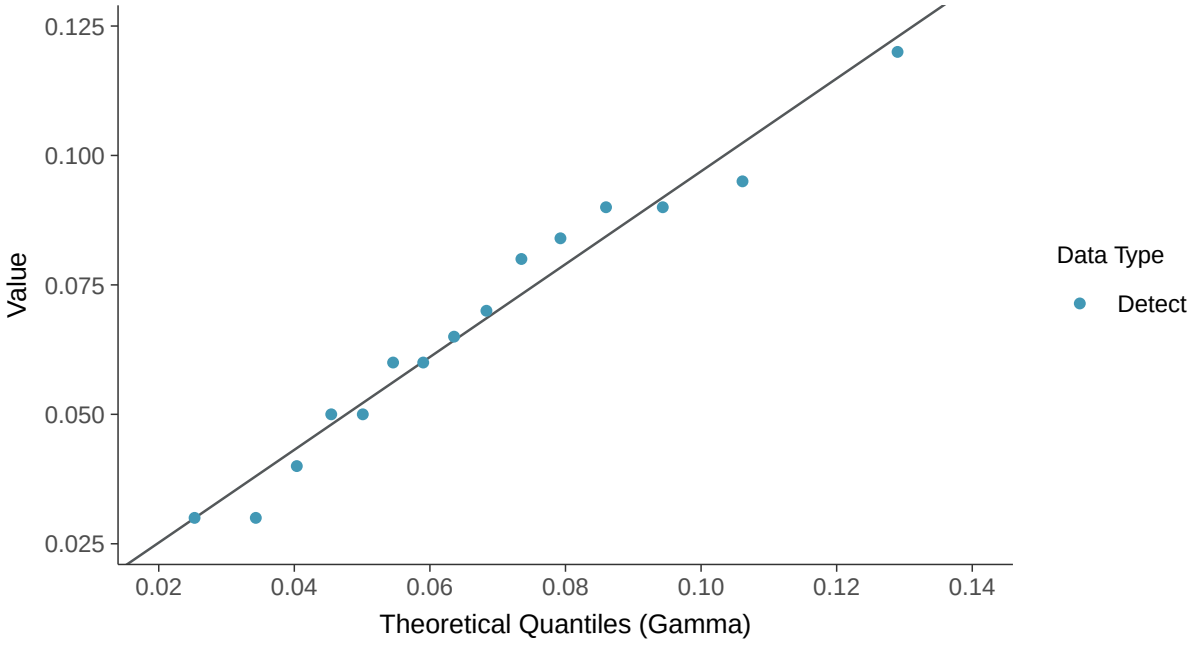
Lognormal Q-Q plot

Iron, MW-7B (mg/l)



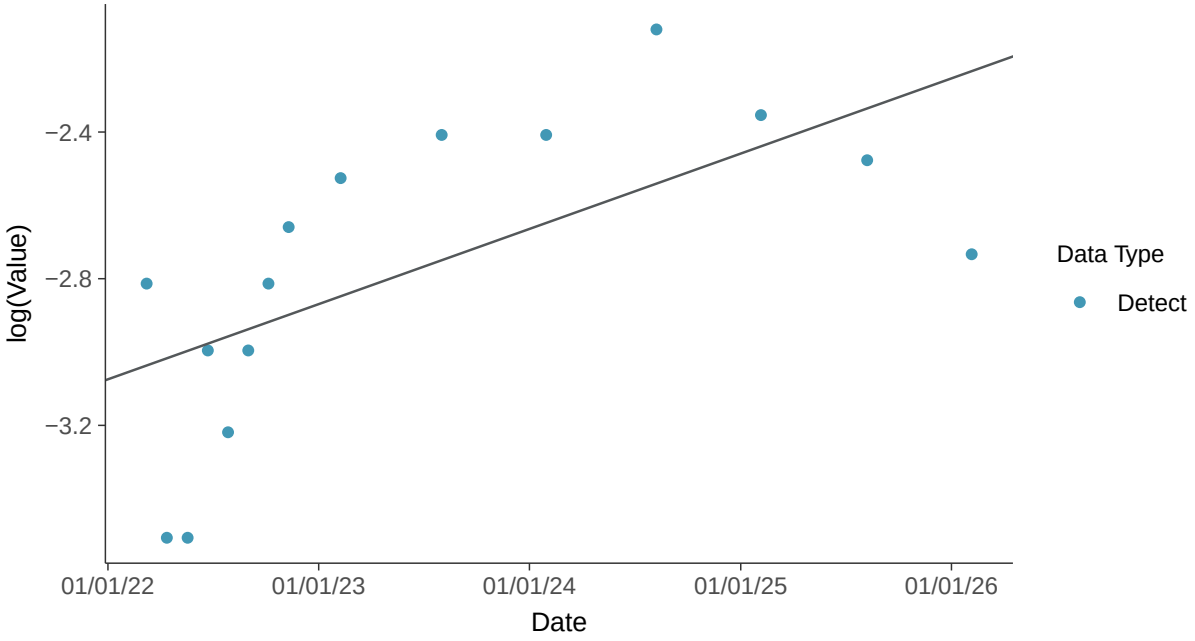
Gamma Q-Q plot

Iron, MW-7B (mg/l)



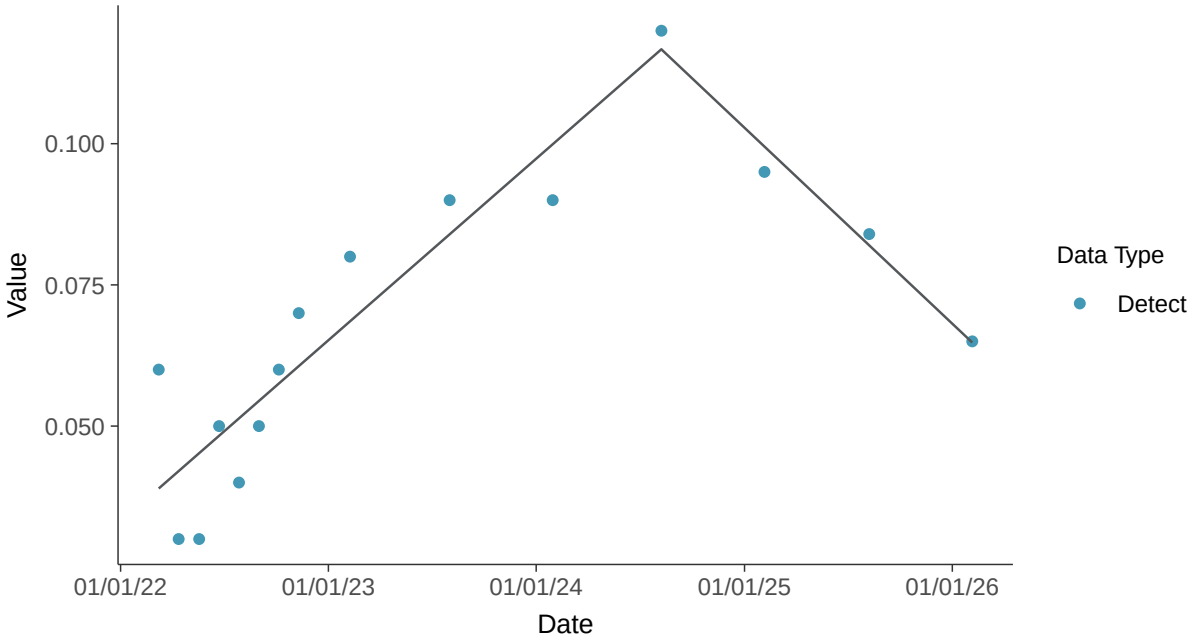
Trend Regression: Lognormal MLE

Iron, MW-7B (mg/l)



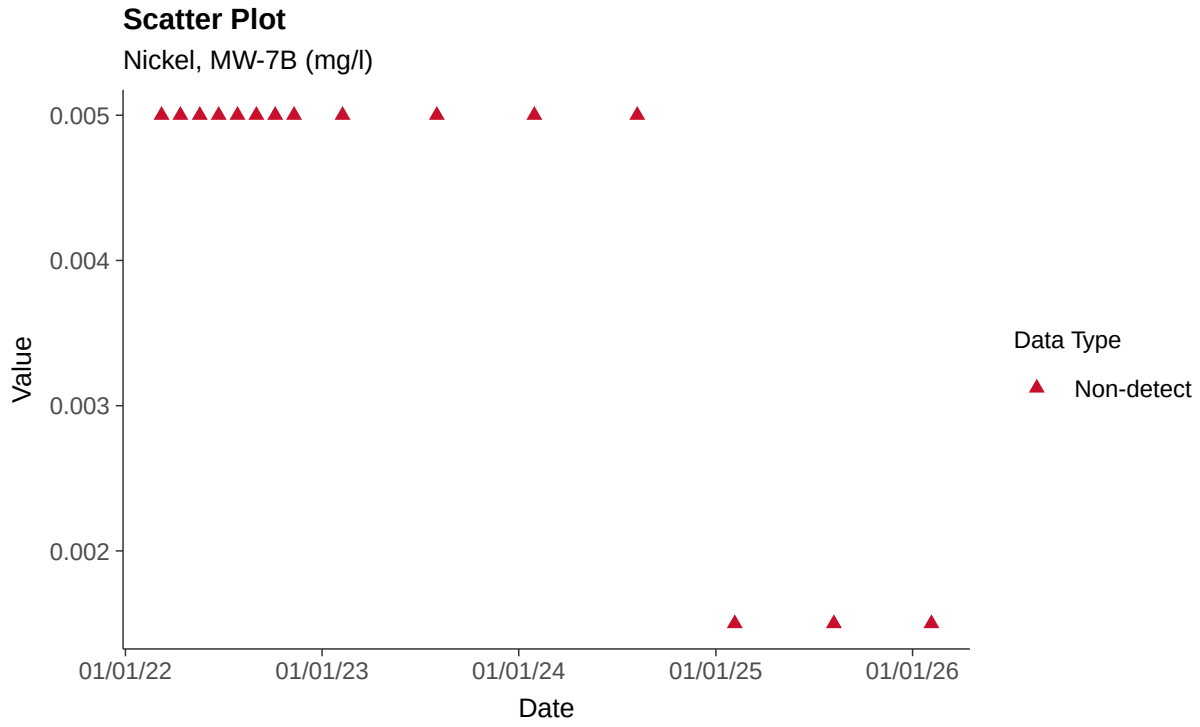
Trend Regression: Piecewise Linear-Linear

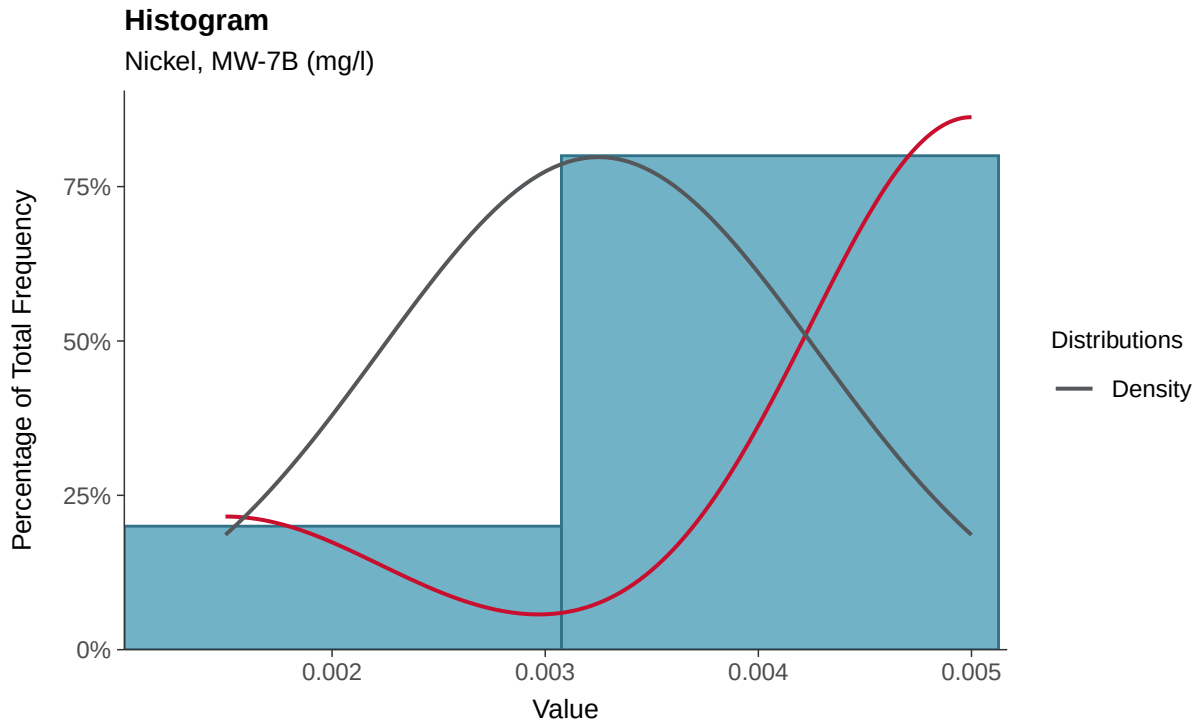
Iron, MW-7B (mg/l)



Part 115: Nickel, MW-7B

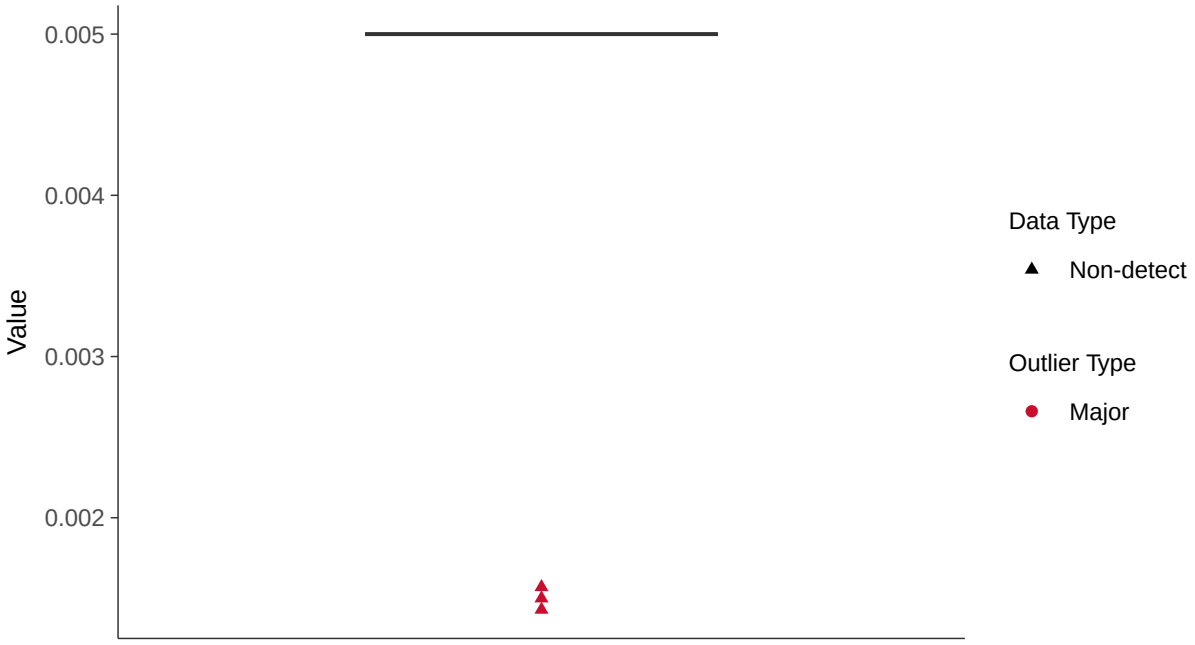
ID: 11_5_119





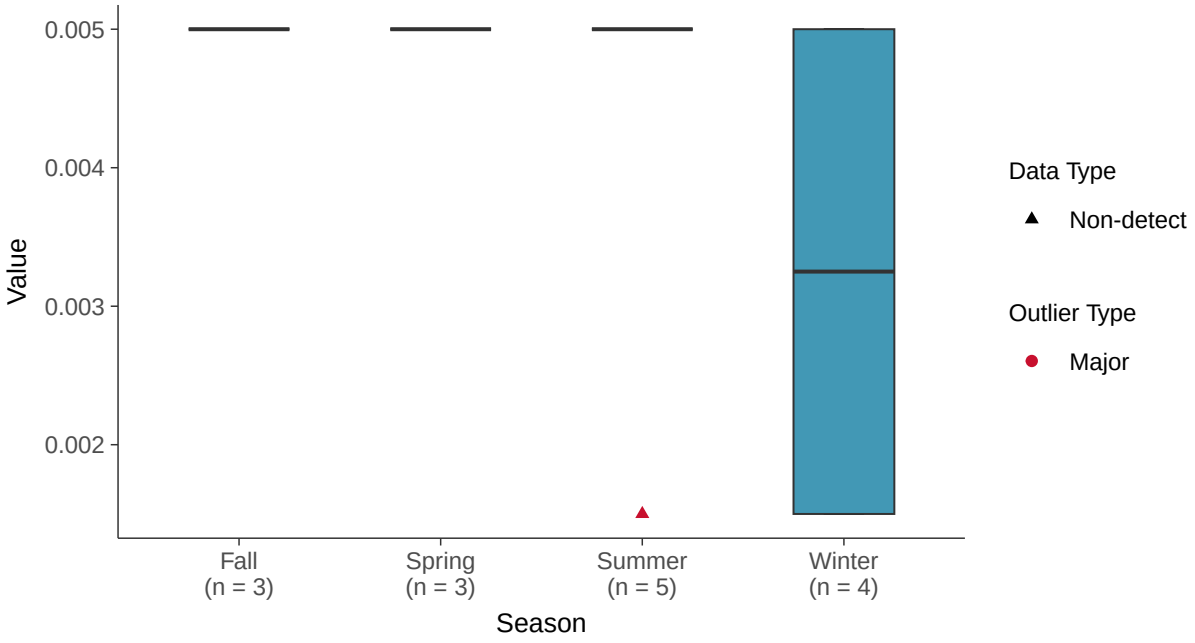
Boxplot

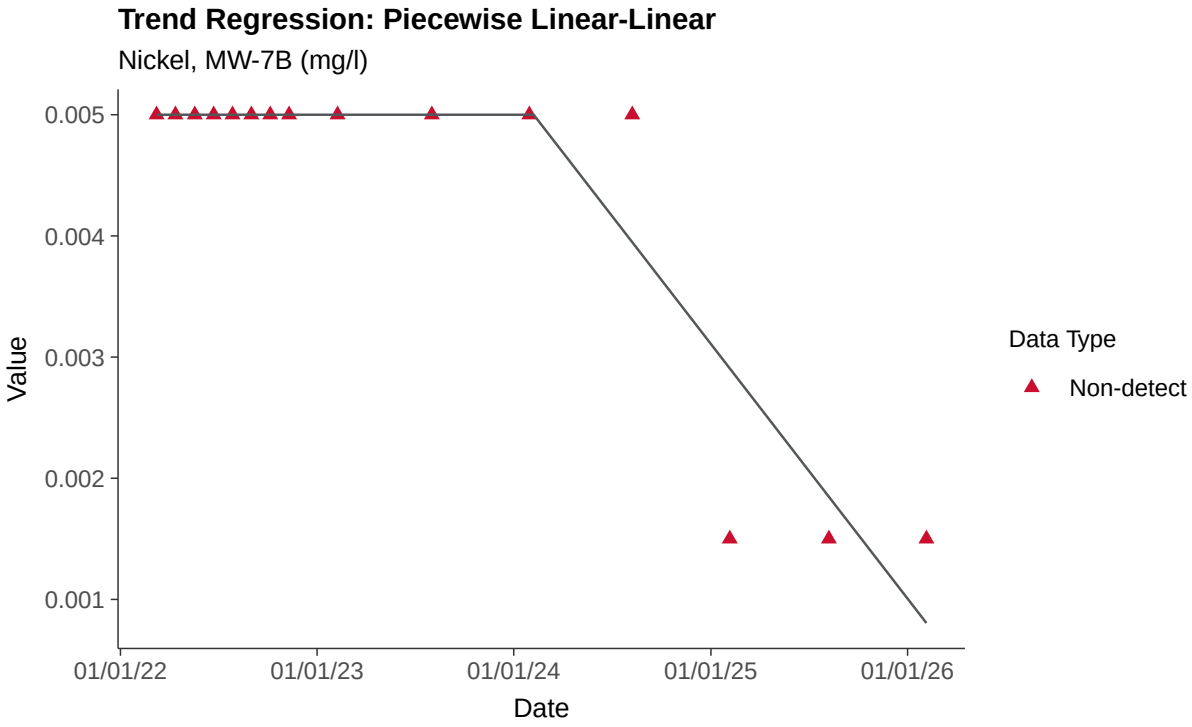
Nickel, MW-7B (mg/l)



Boxplot by Season

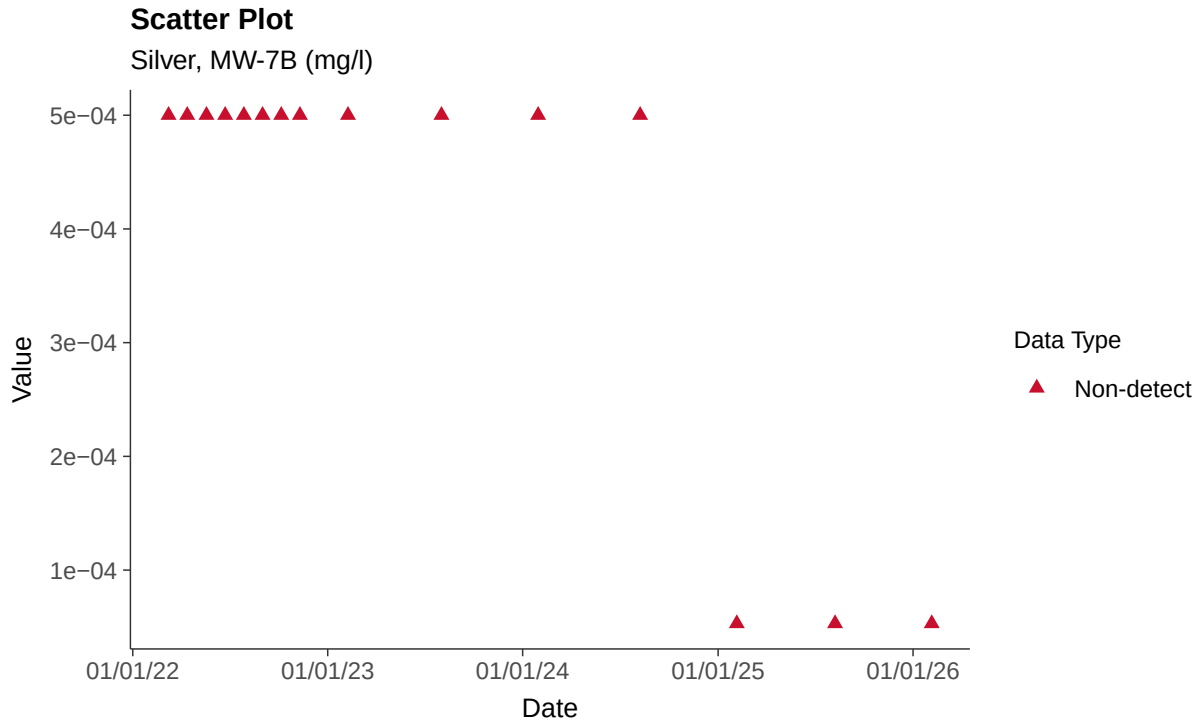
Nickel, MW-7B (mg/l)

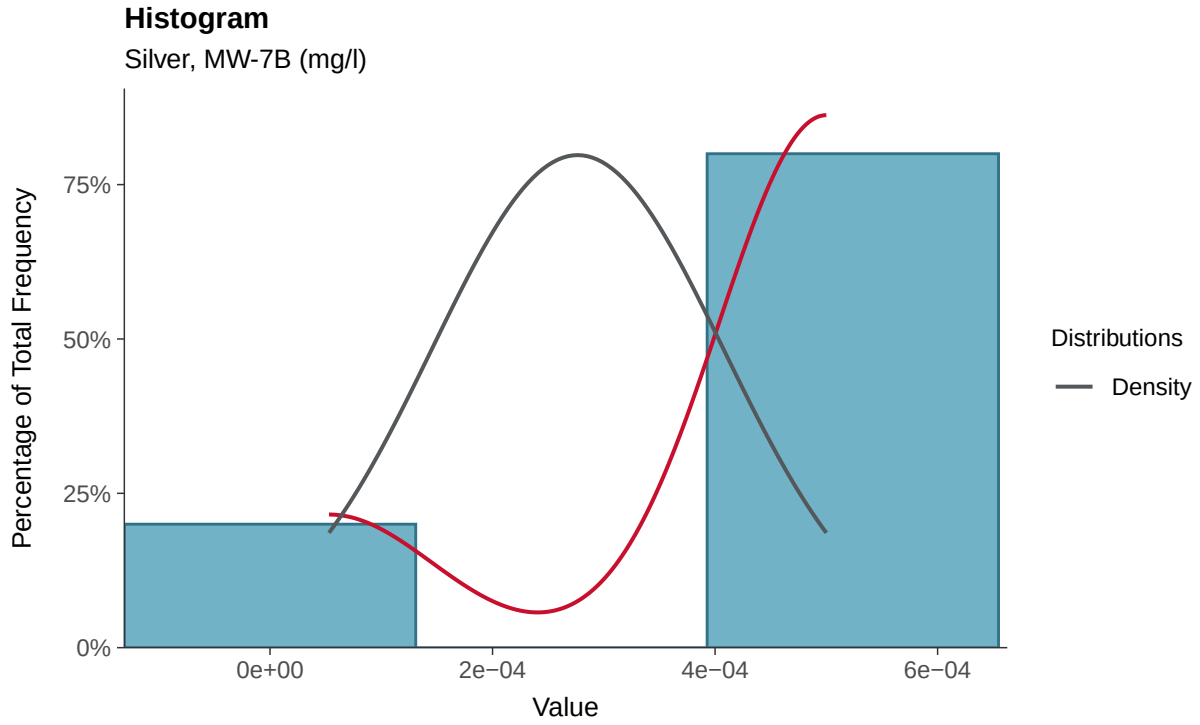



Trend Regression: Piecewise Linear-Linear
Nickel, MW-7B (mg/l)
0.005
0.004
0.003
0.002
0.001
Value
01/01/22
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Silver, MW-7B

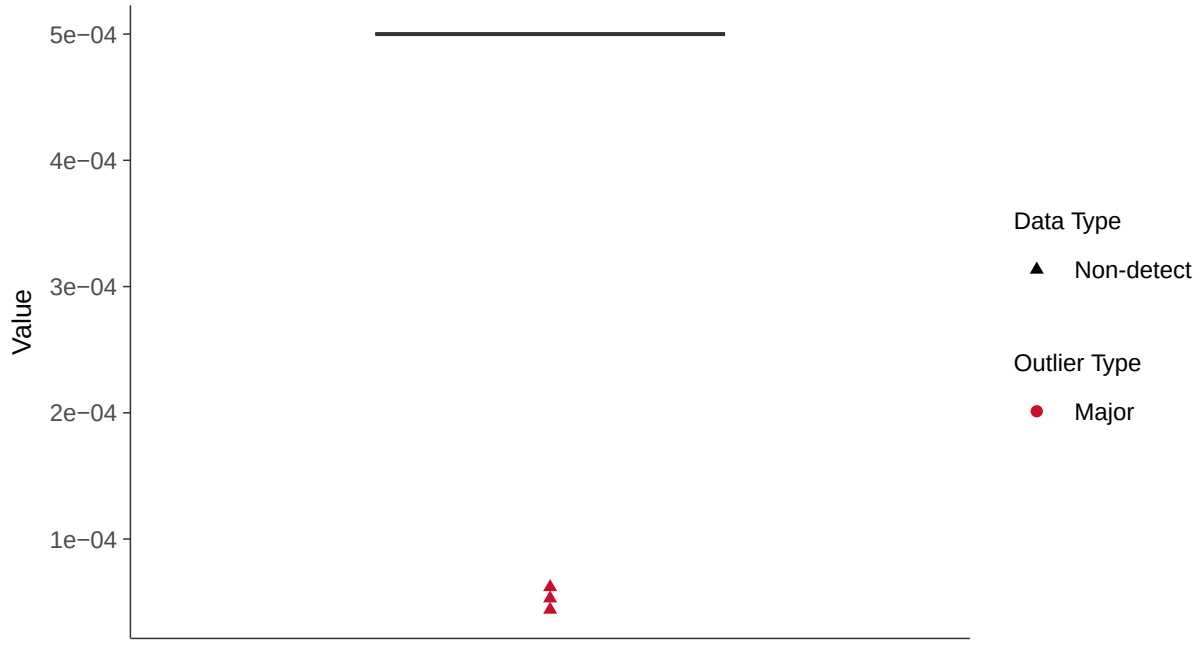
ID: 11_5_123





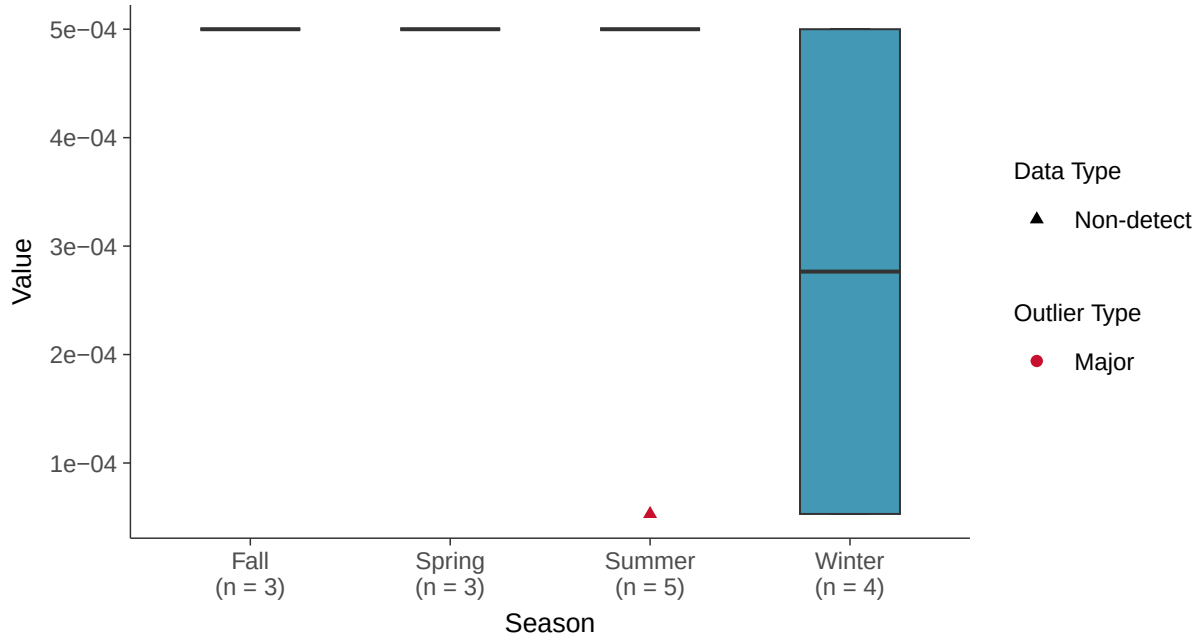
Boxplot

Silver, MW-7B (mg/l)



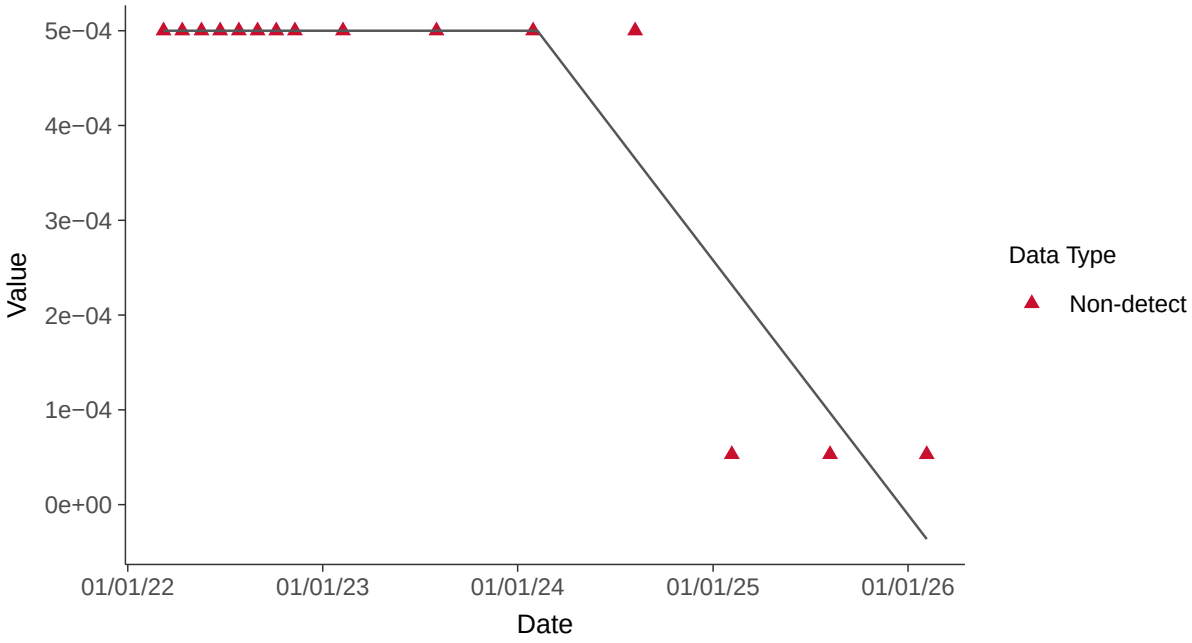
Boxplot by Season

Silver, MW-7B (mg/l)



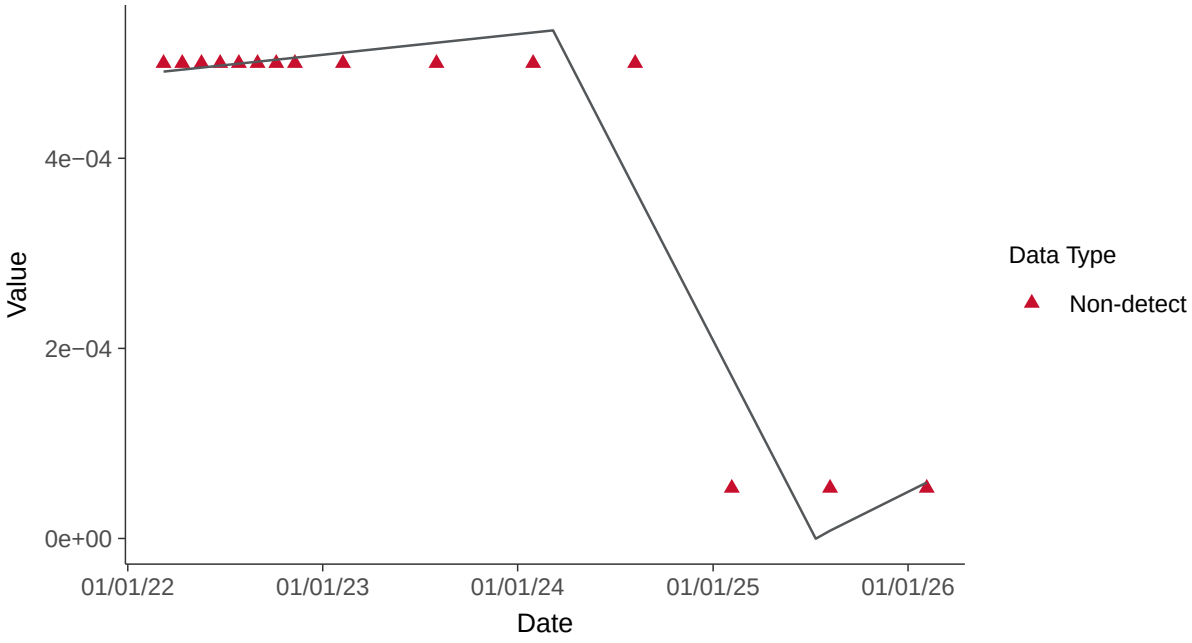
Trend Regression: Piecewise Linear-Linear

Silver, MW-7B (mg/l)



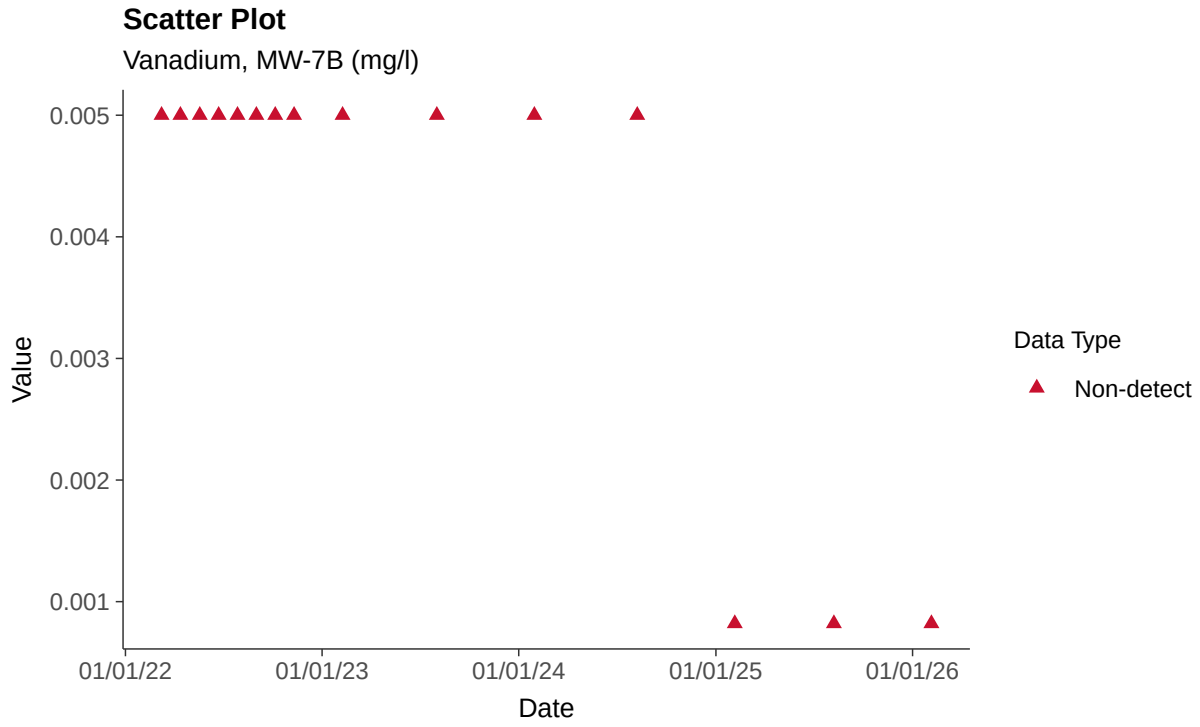
Trend Regression: Piecewise Linear-Linear-Linear

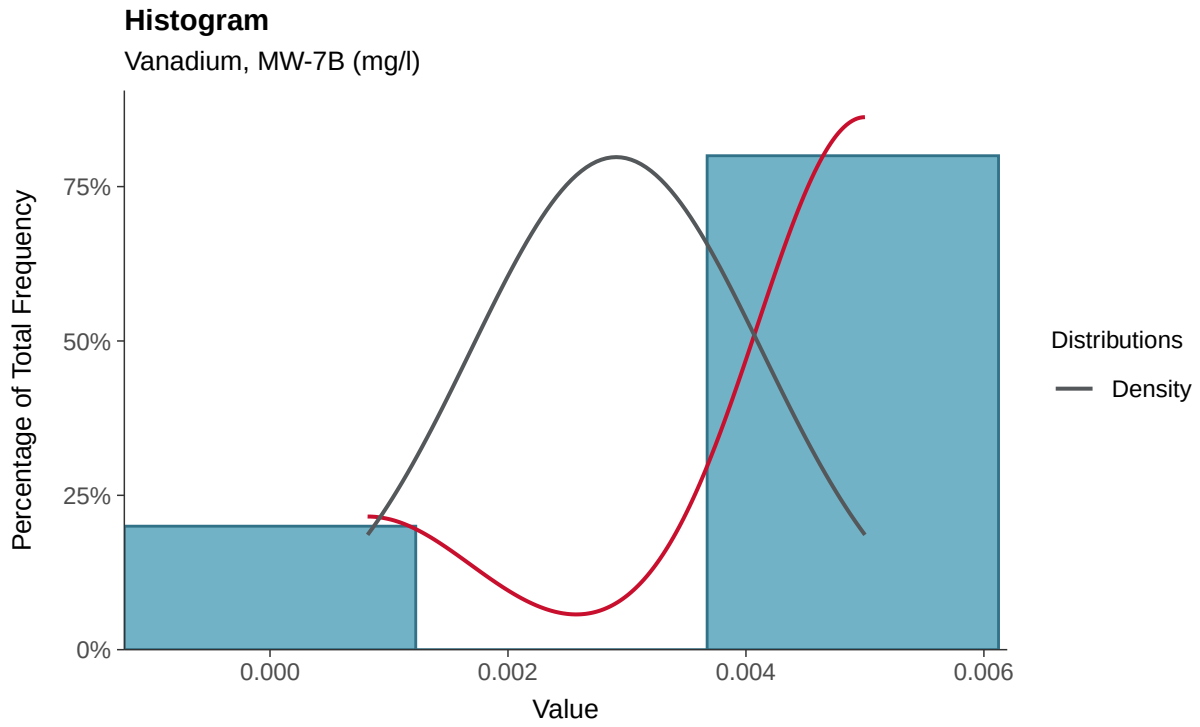
Silver, MW-7B (mg/l)



Part 115: Vanadium, MW-7B

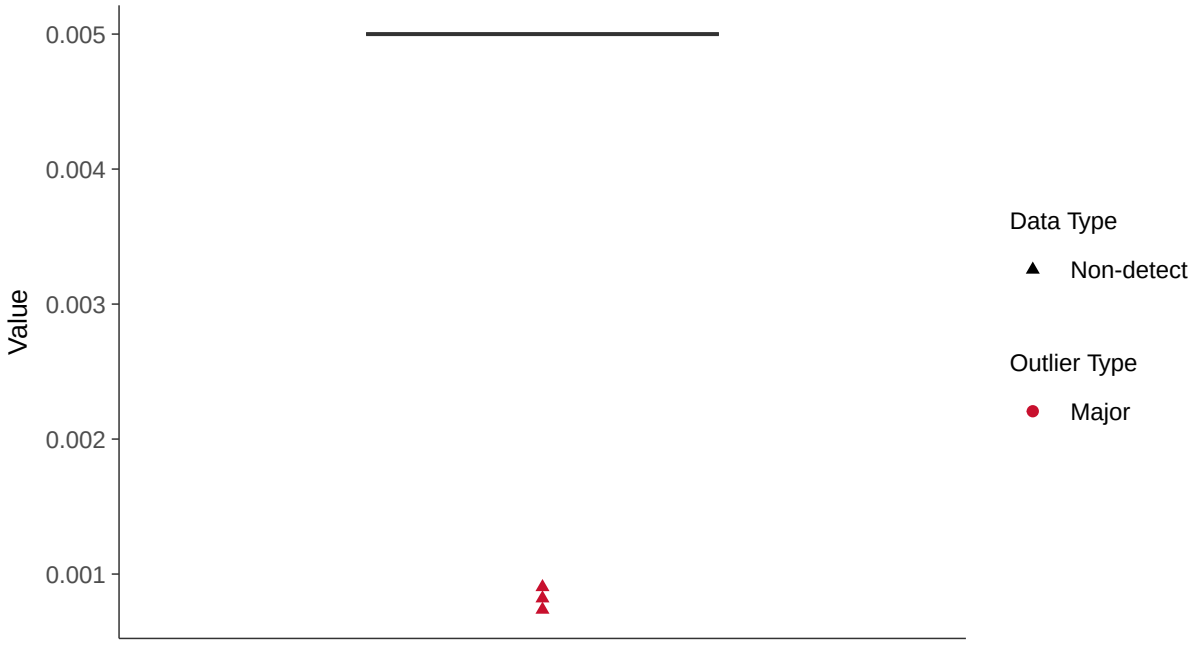
ID: 11_5_128





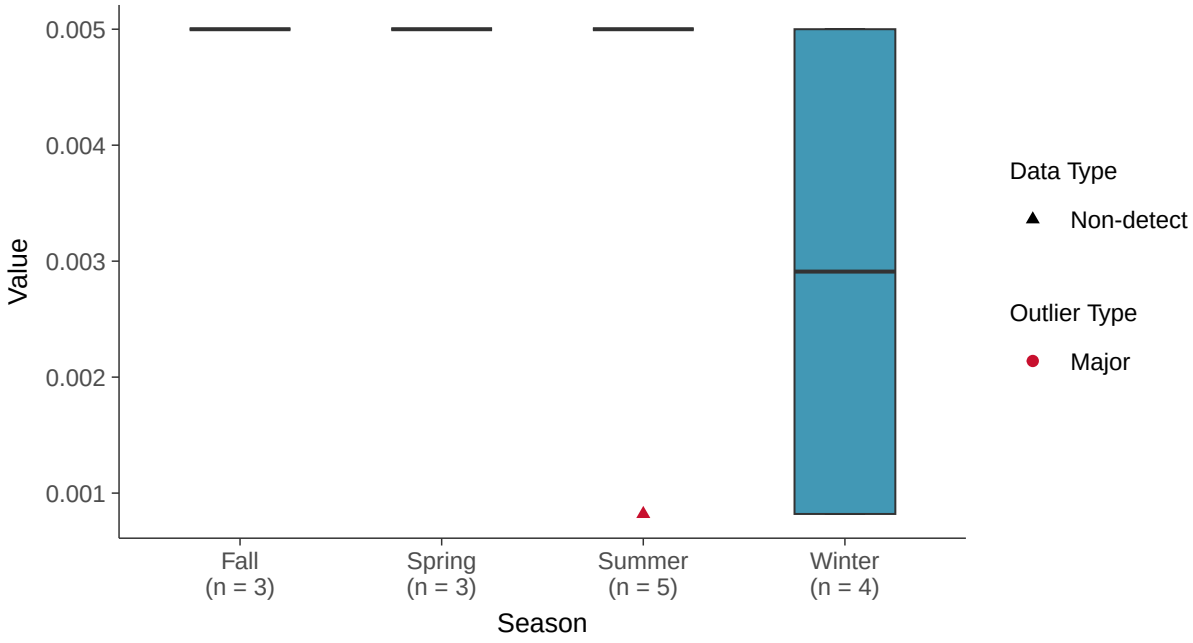
Boxplot

Vanadium, MW-7B (mg/l)



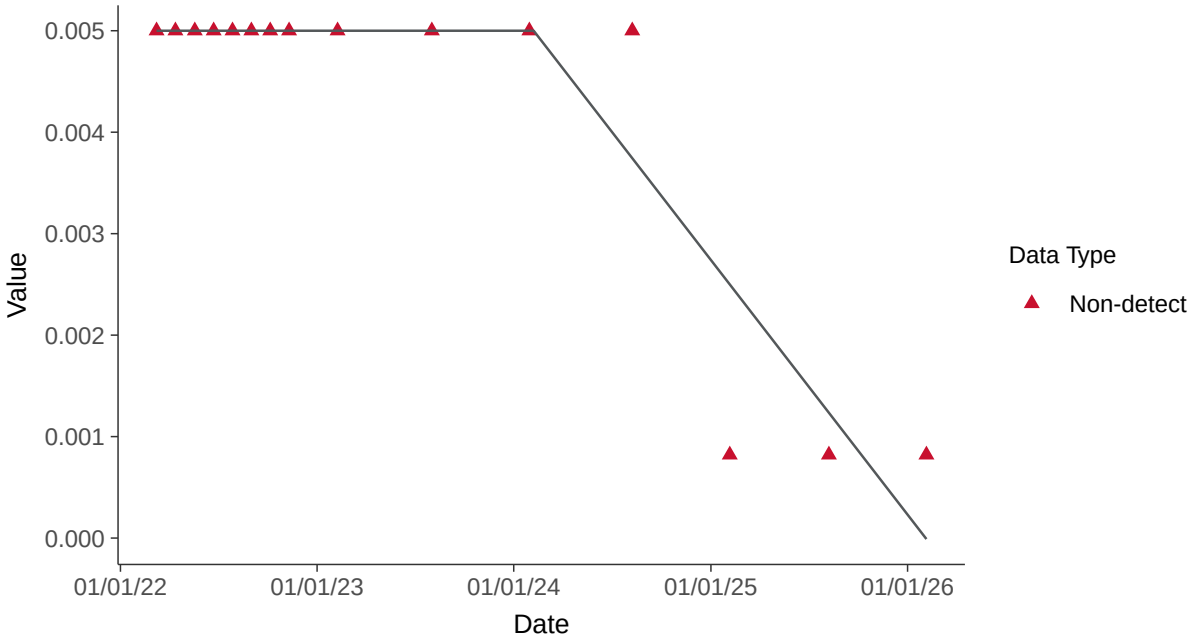
Boxplot by Season

Vanadium, MW-7B (mg/l)



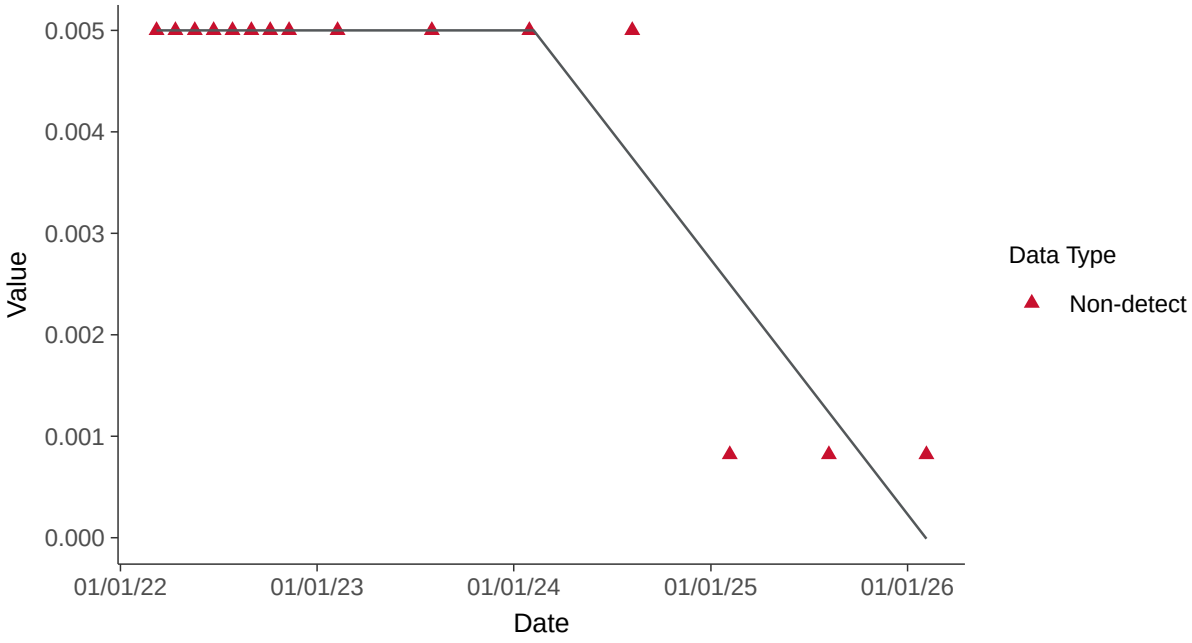
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-7B (mg/l)



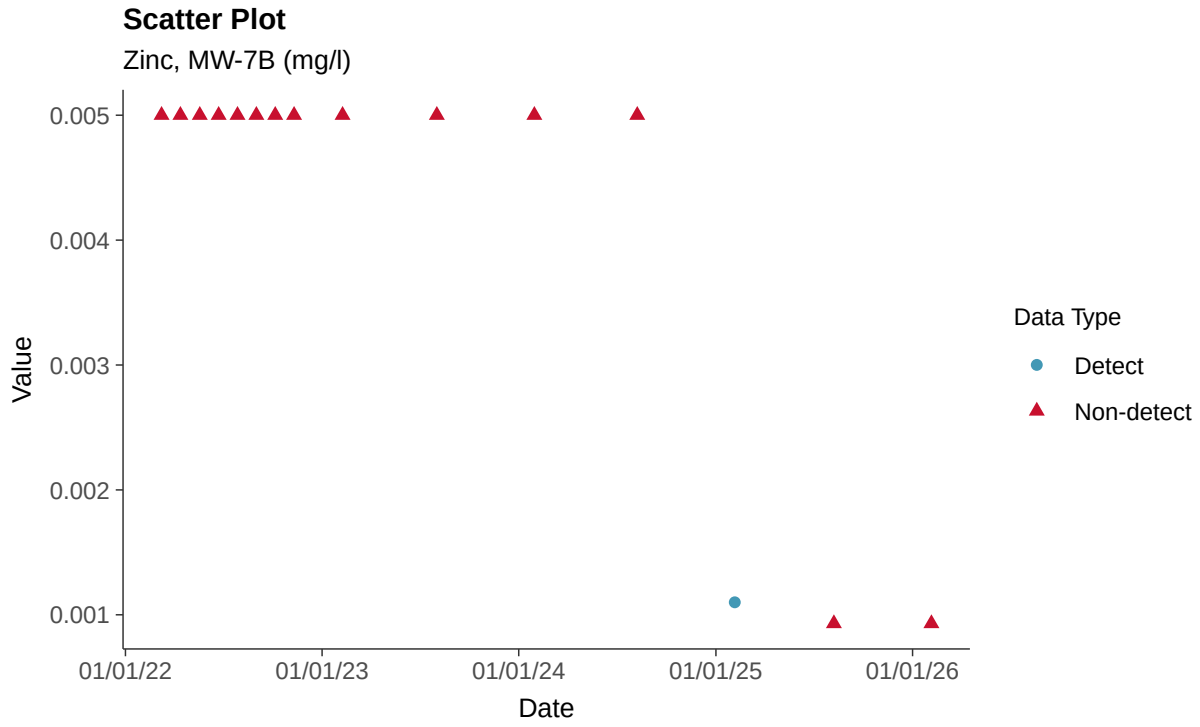
Trend Regression: Piecewise Linear-Linear-Linear

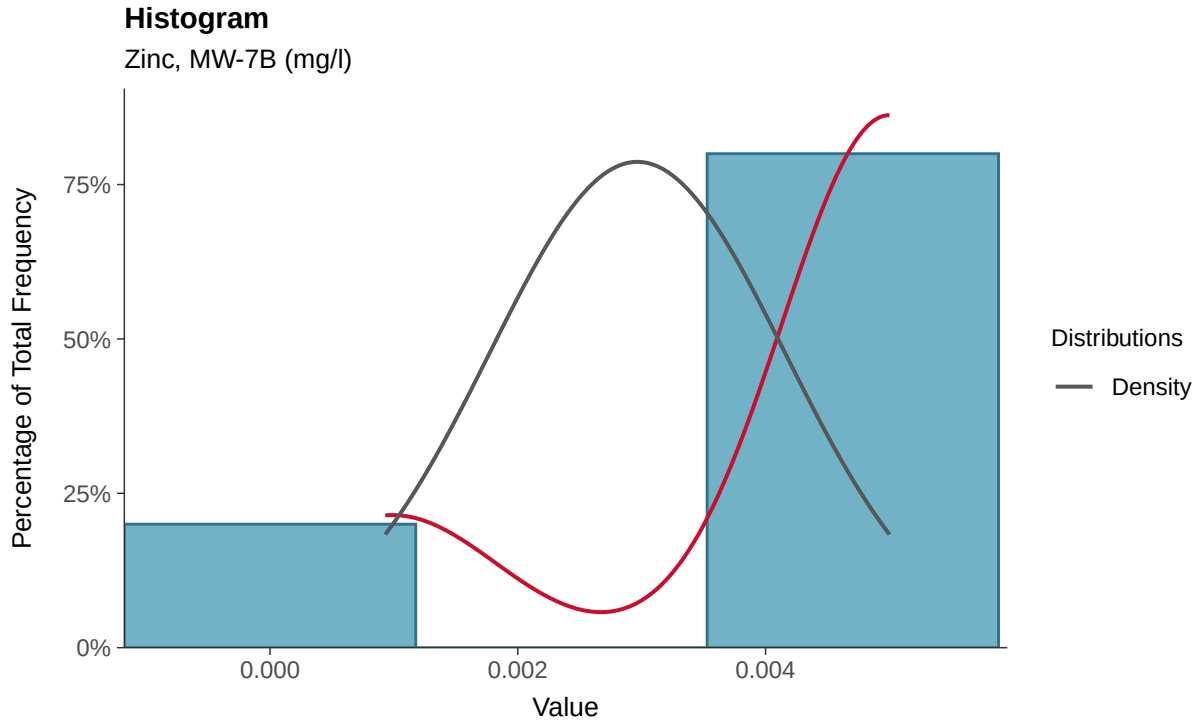
Vanadium, MW-7B (mg/l)



Part 115: Zinc, MW-7B

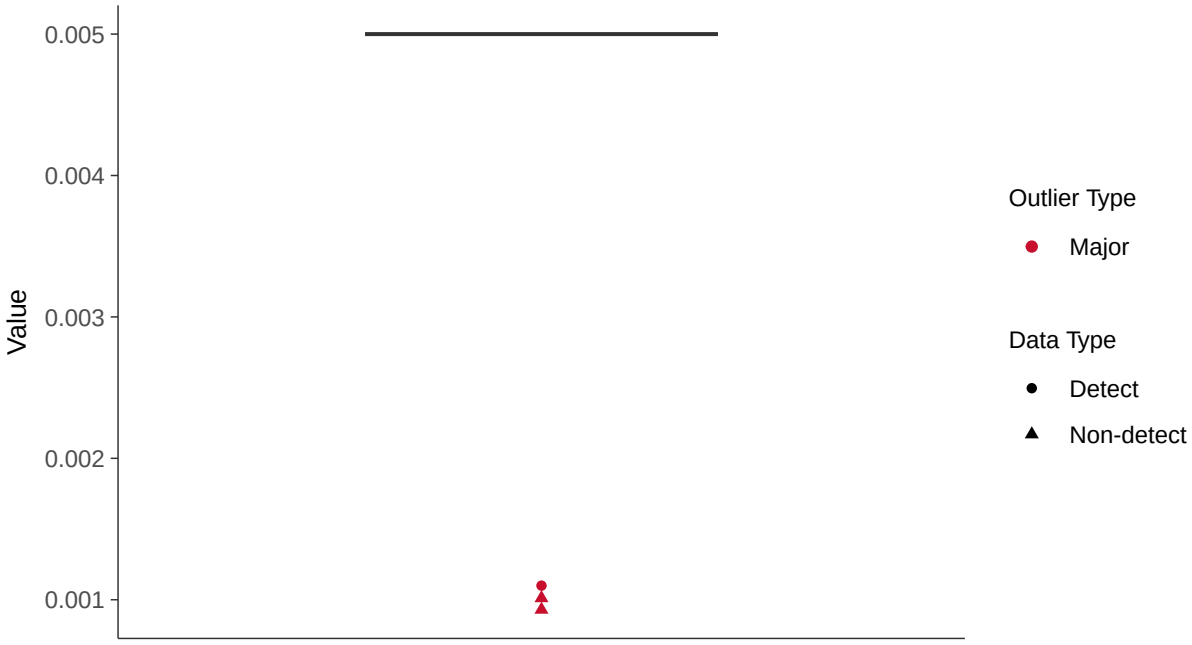
ID: 11_5_129





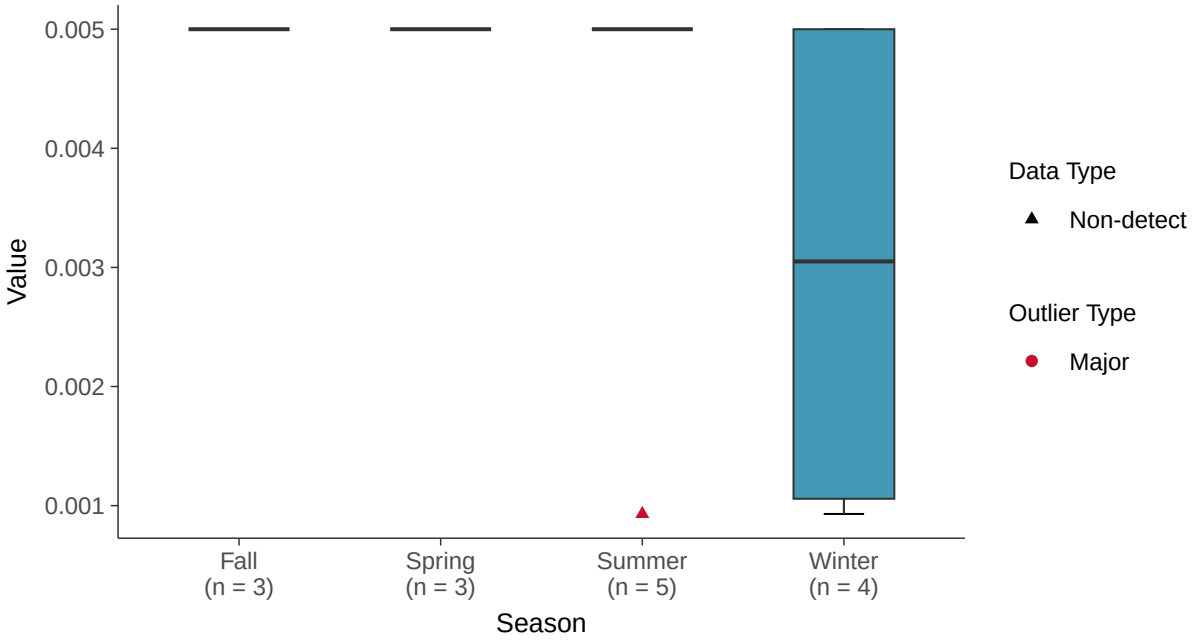
Boxplot

Zinc, MW-7B (mg/l)



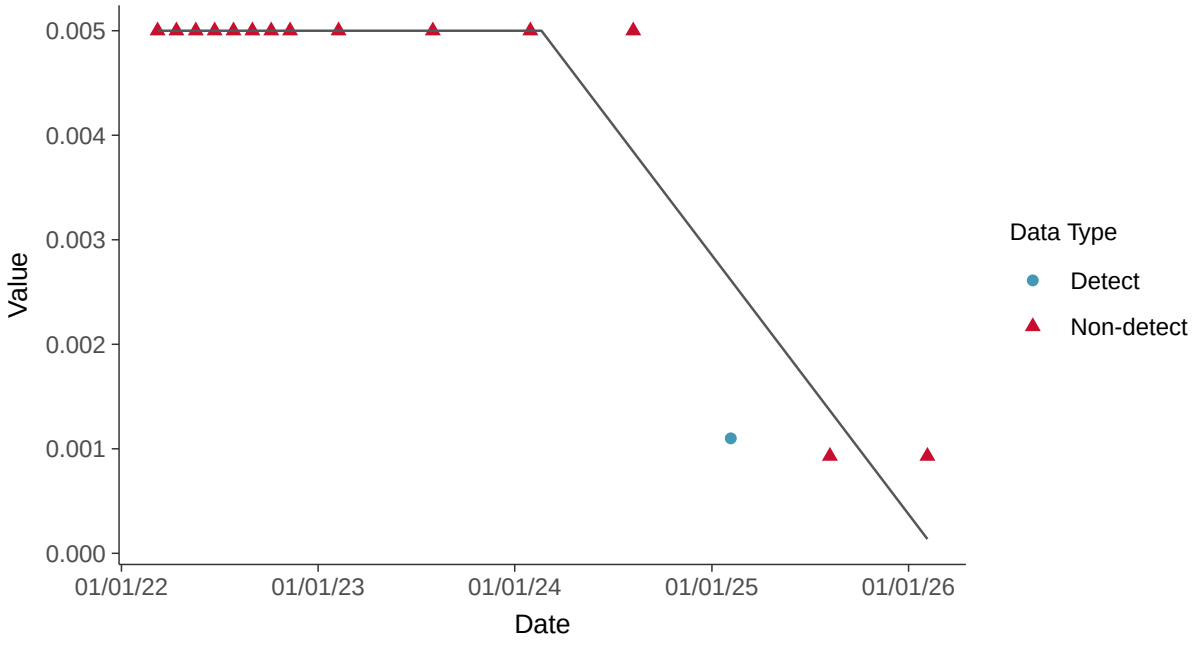
Boxplot by Season

Zinc, MW-7B (mg/l)



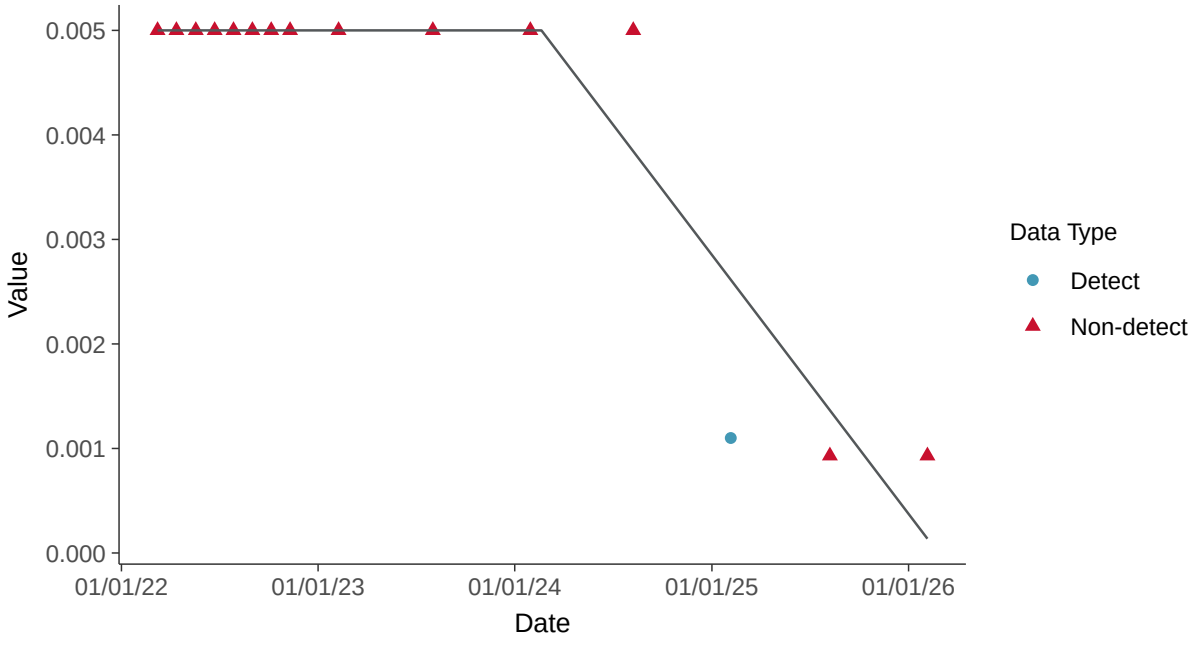
Trend Regression: Piecewise Linear-Linear

Zinc, MW-7B (mg/l)



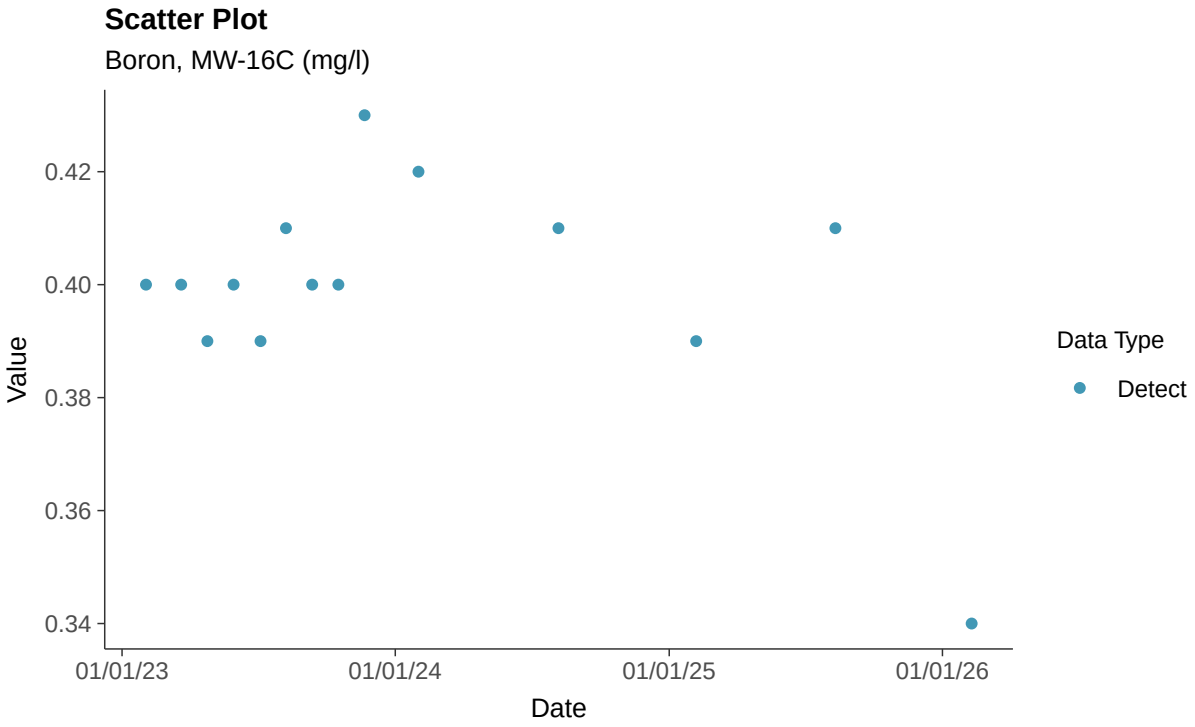
Trend Regression: Piecewise Linear-Linear-Linear

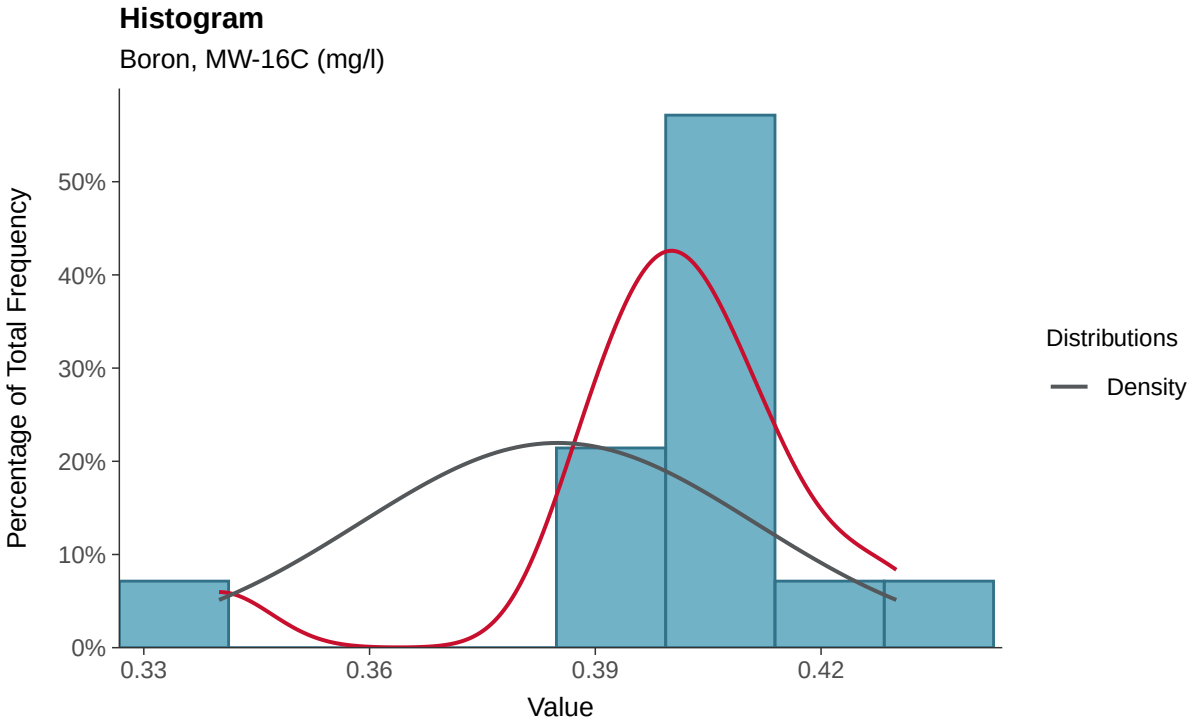
Zinc, MW-7B (mg/l)



Appendix III: Boron, MW-16C

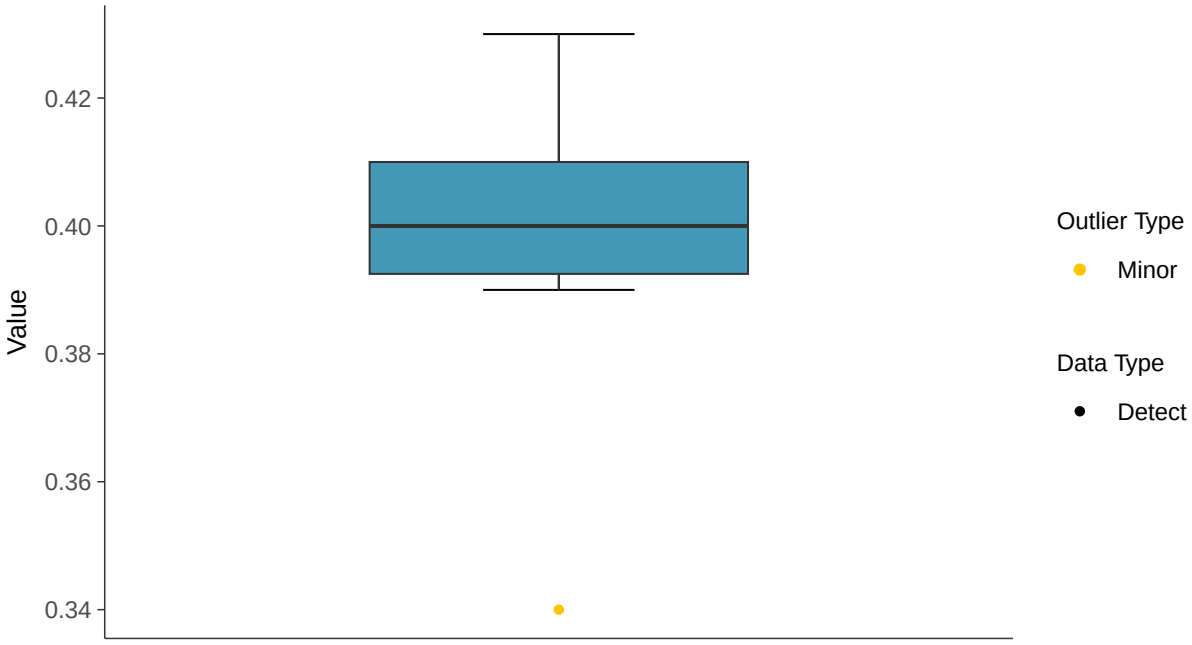
ID: 12_2_105





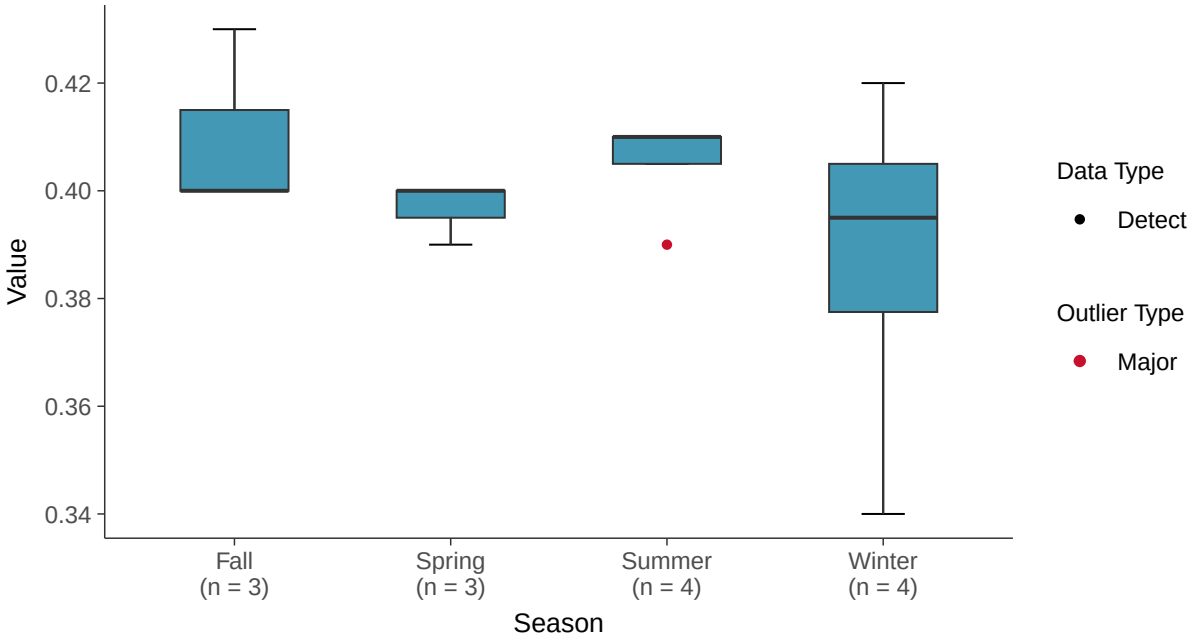
Boxplot

Boron, MW-16C (mg/l)



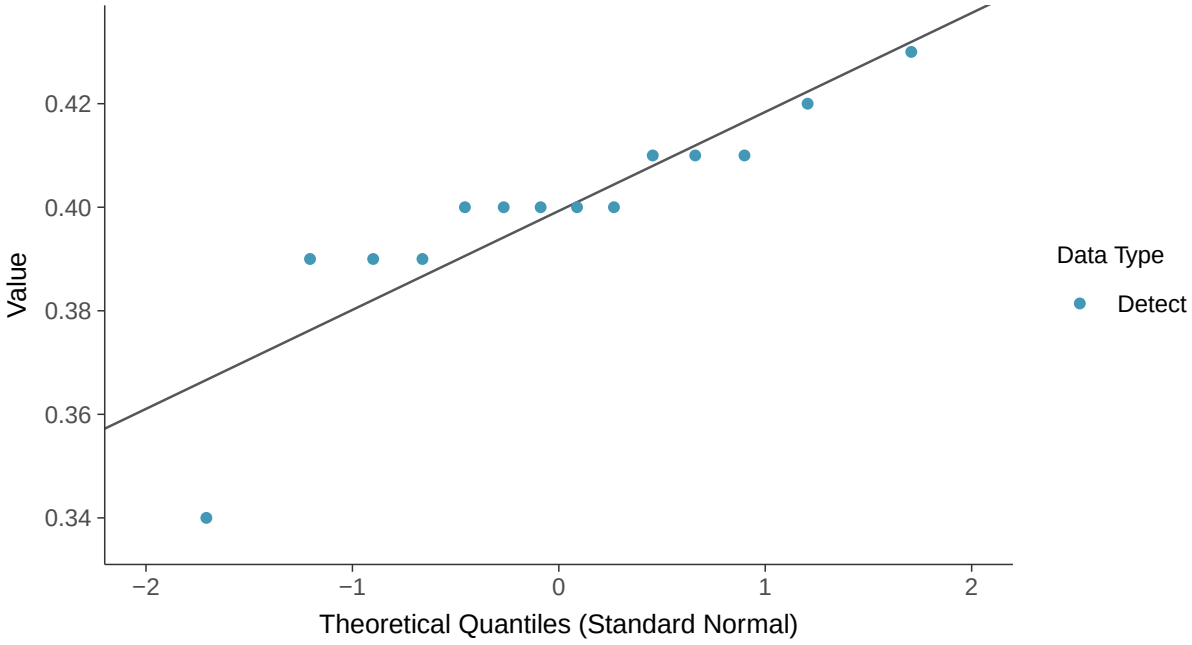
Boxplot by Season

Boron, MW-16C (mg/l)



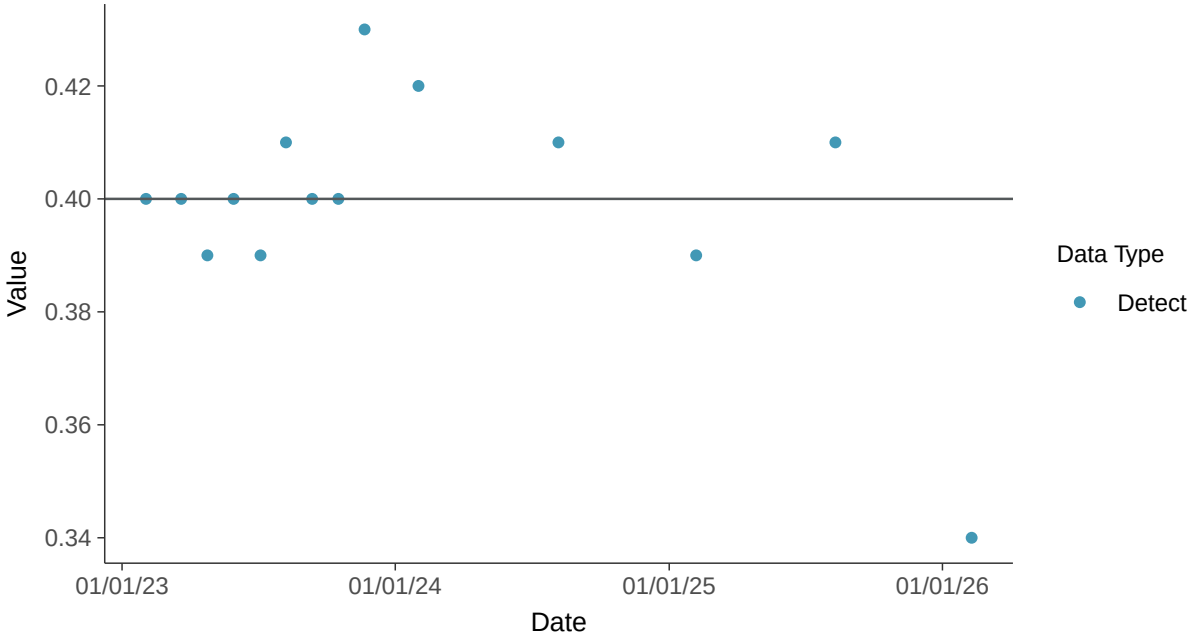
Normal Q-Q plot

Boron, MW-16C (mg/l)



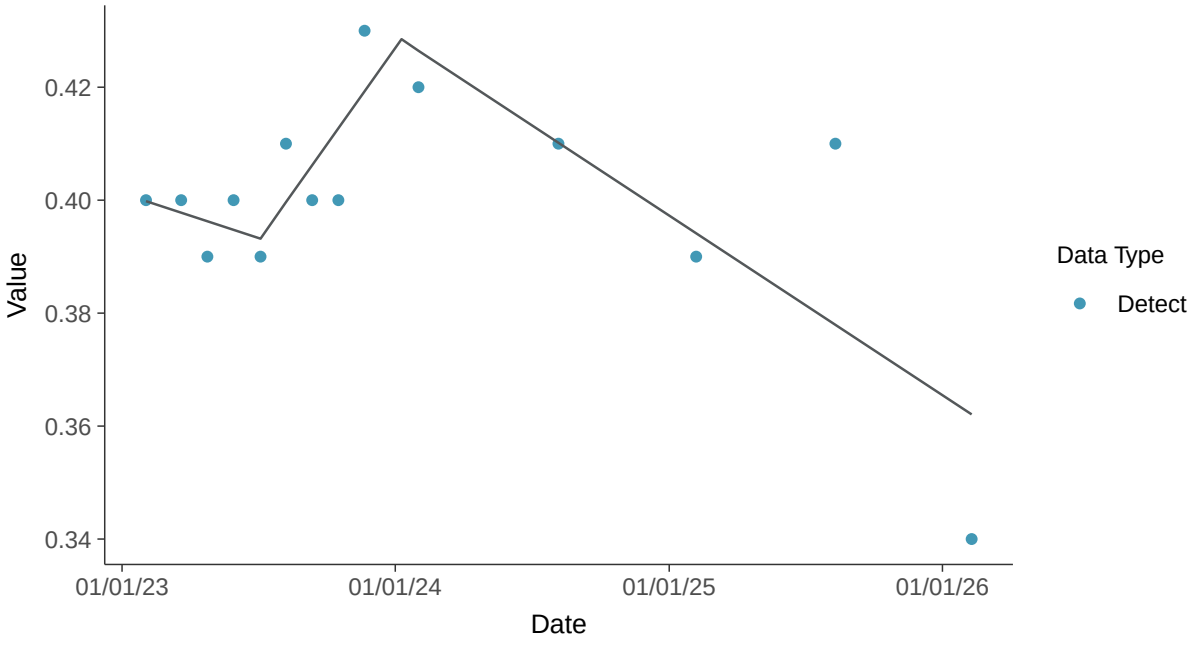
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Boron, MW-16C (mg/l)



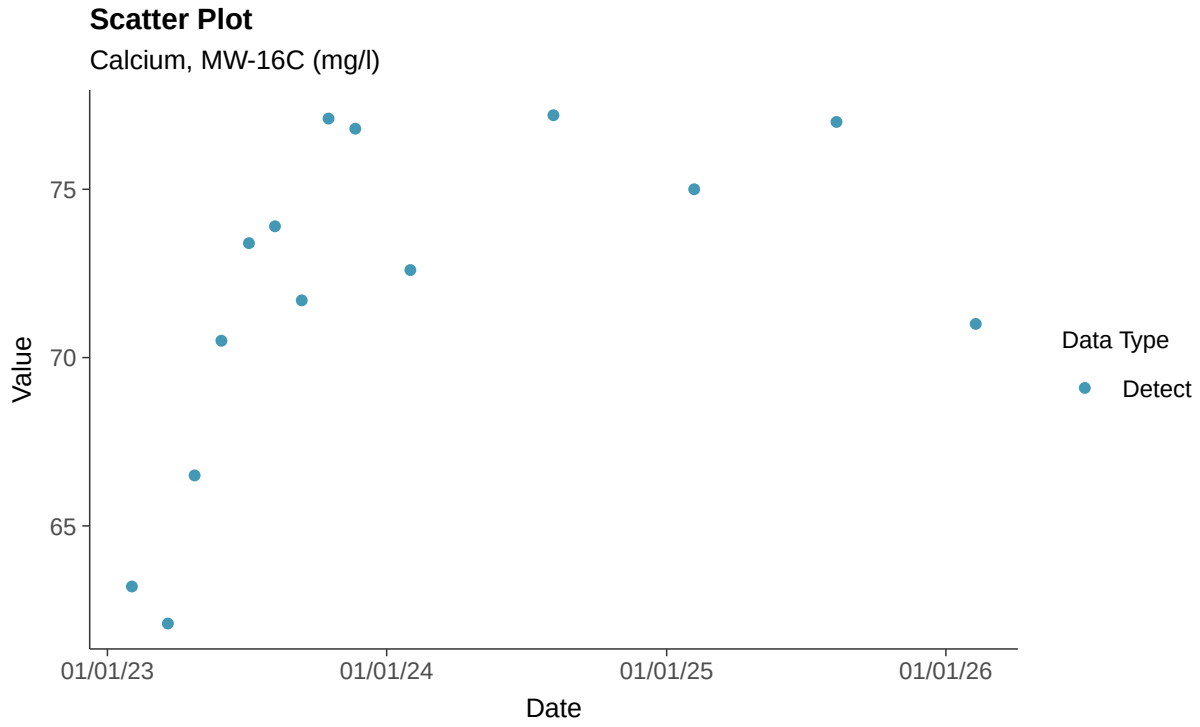
Trend Regression: Piecewise Linear-Linear-Linear

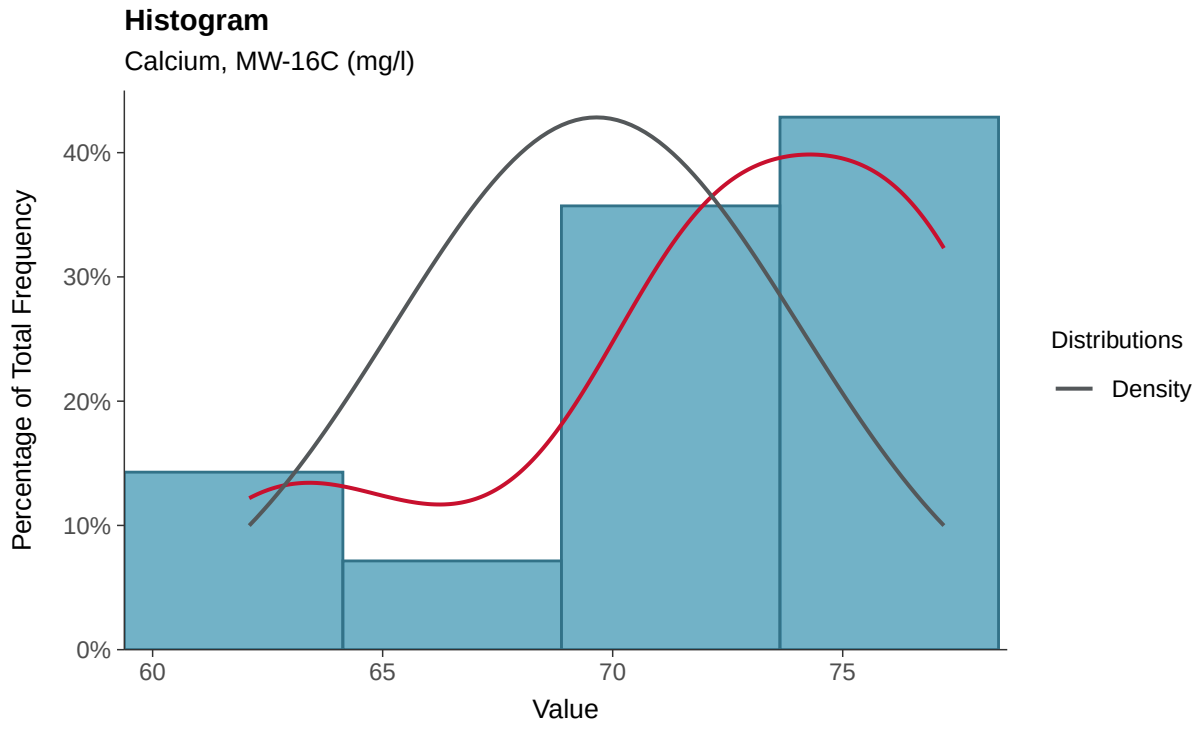
Boron, MW-16C (mg/l)



Appendix III: Calcium, MW-16C

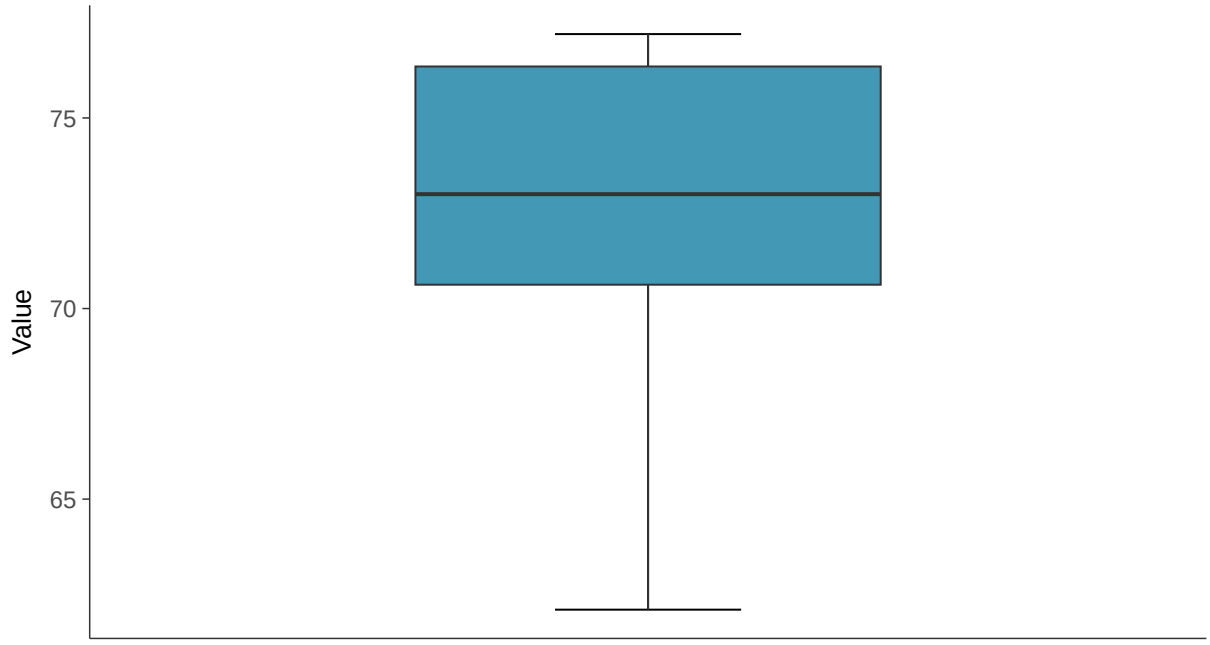
ID: 12_2_107





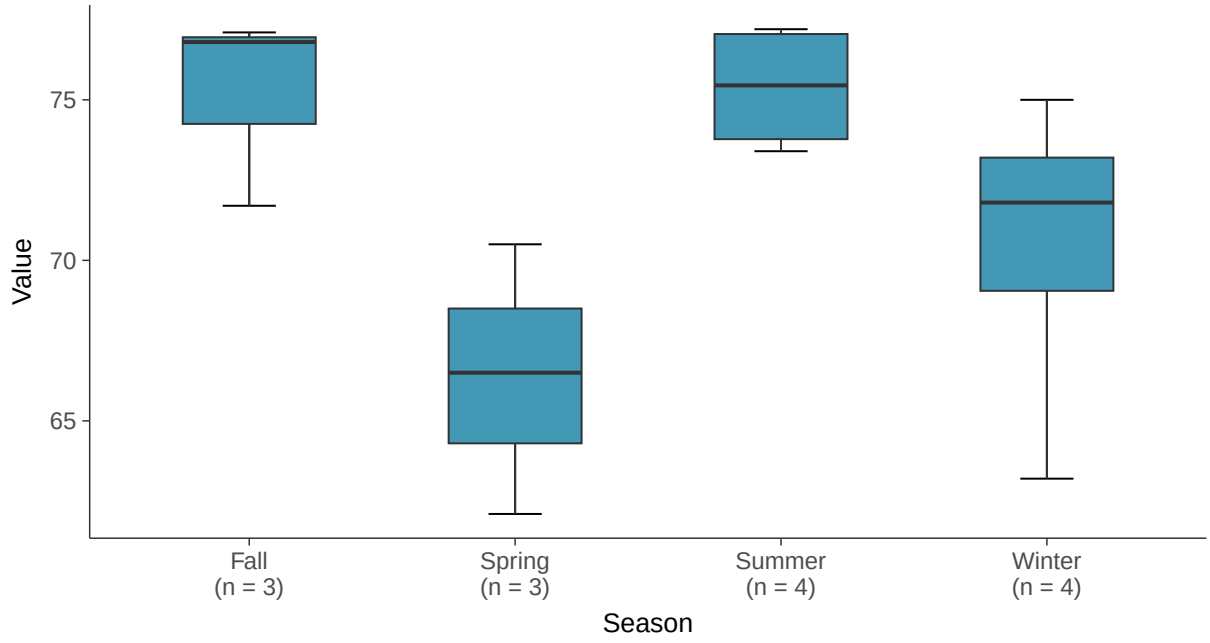
Boxplot

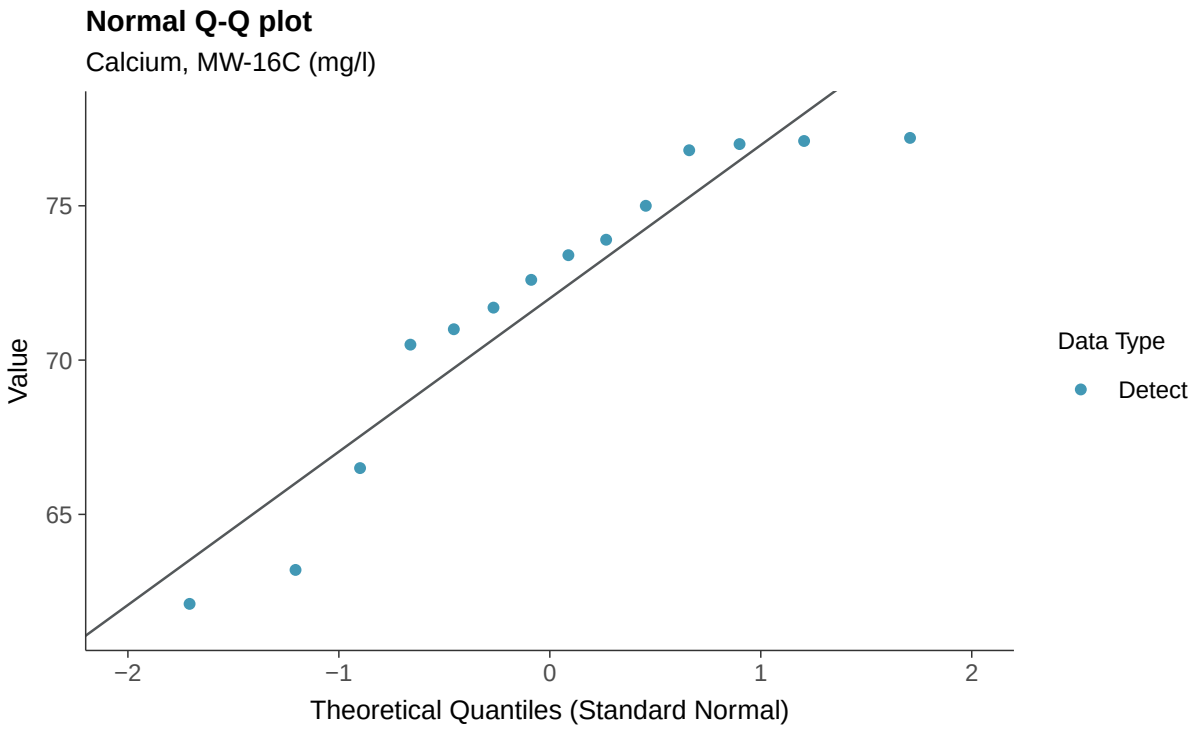
Calcium, MW-16C (mg/l)

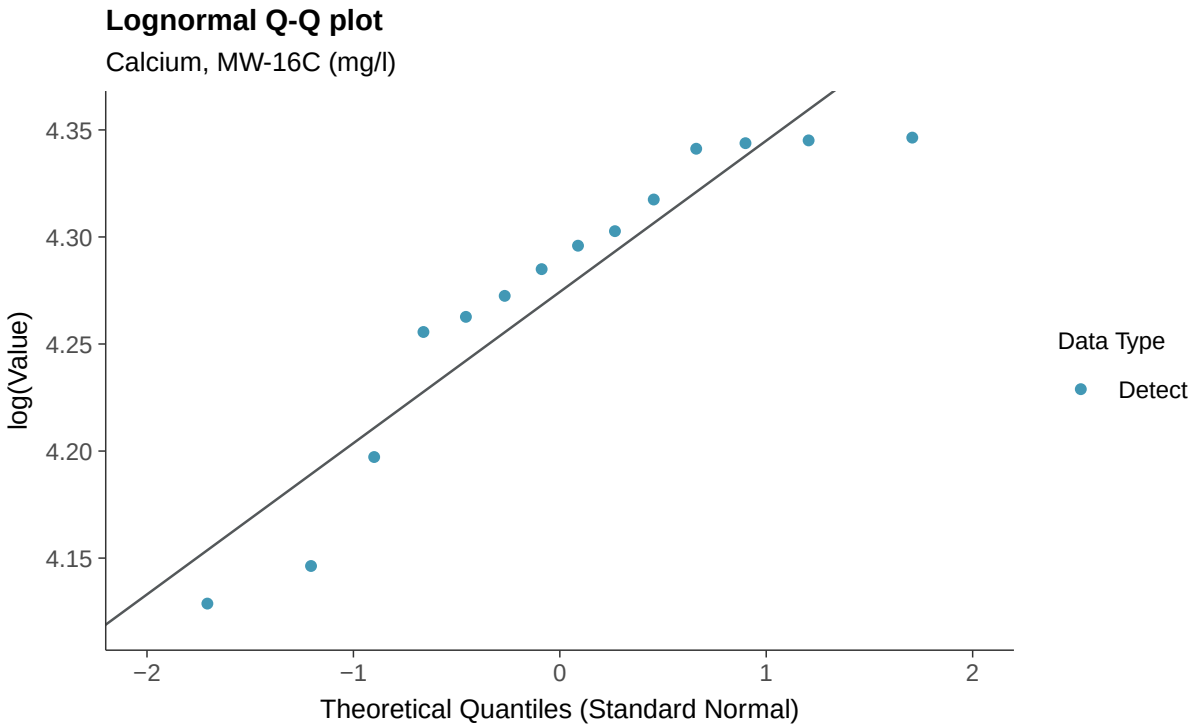


Boxplot by Season

Calcium, MW-16C (mg/l)

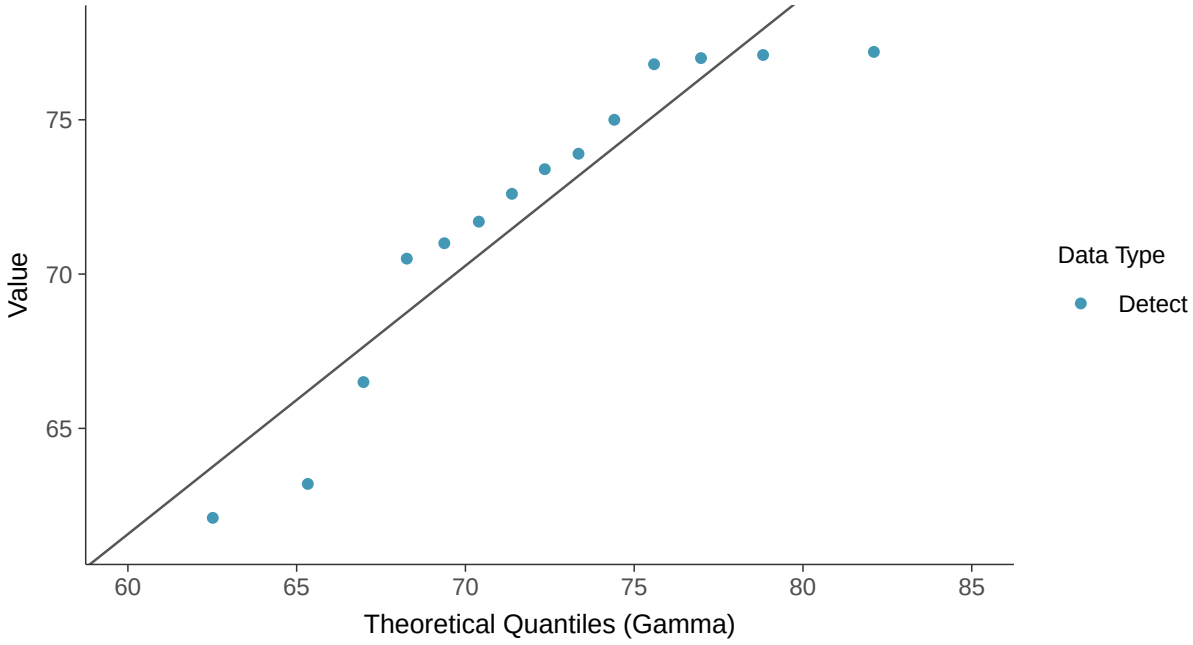



Normal Q-Q plot
Calcium, MW-16C (mg/l)
Value
75
70
65
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Calcium, MW-16C (mg/l)
log(Value)
4.35
4.30
4.25
4.20
4.15
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

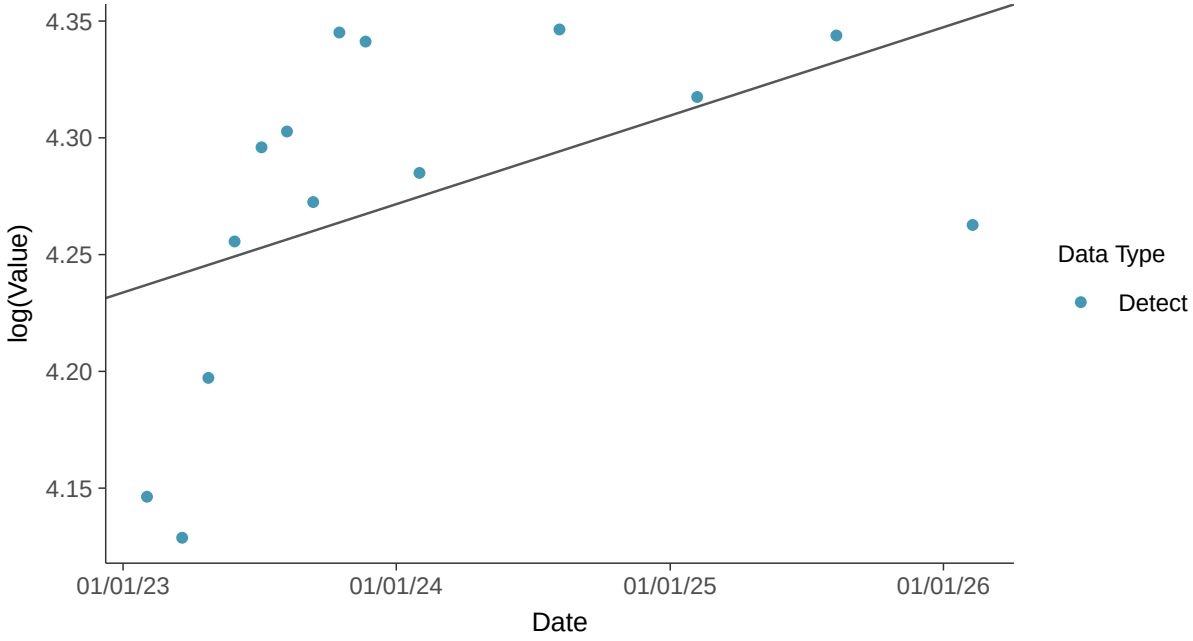
Gamma Q-Q plot

Calcium, MW-16C (mg/l)



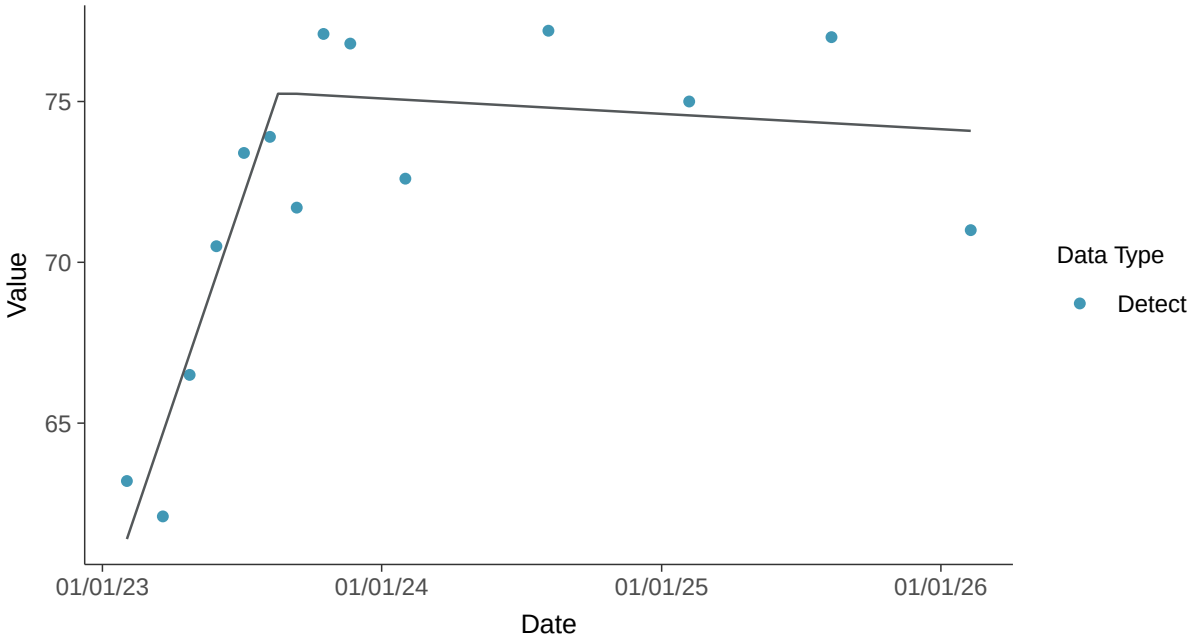
Trend Regression: Lognormal MLE

Calcium, MW-16C (mg/l)



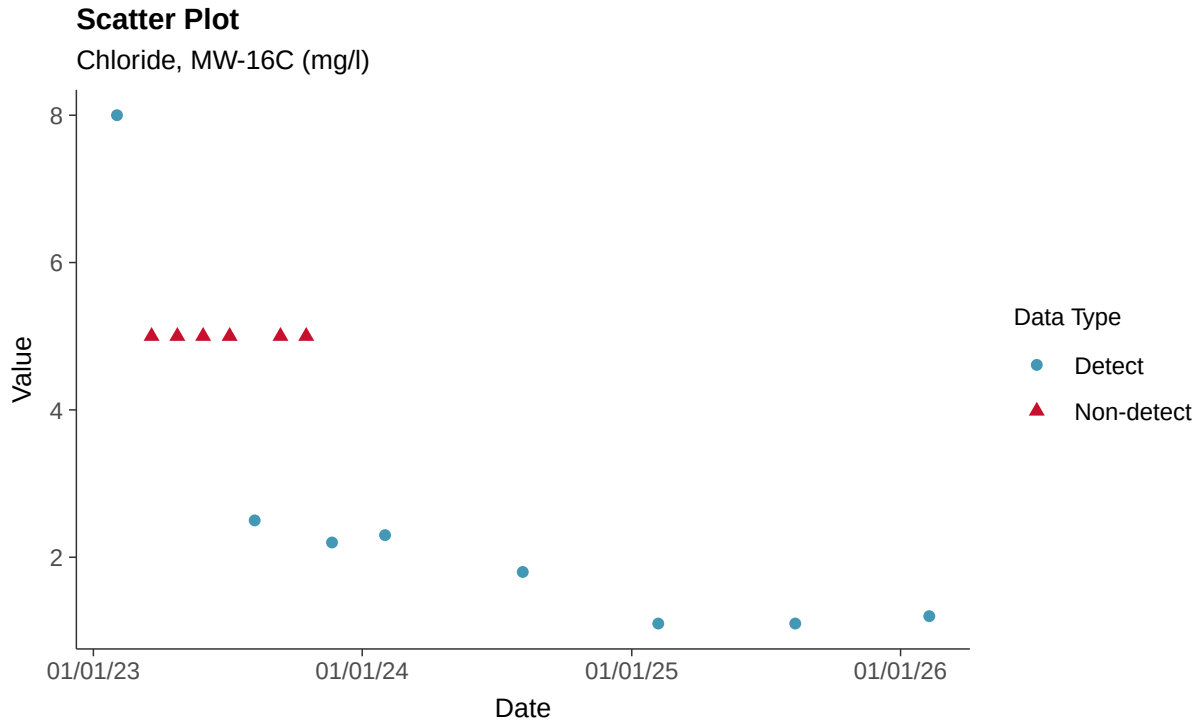
Trend Regression: Piecewise Linear-Linear

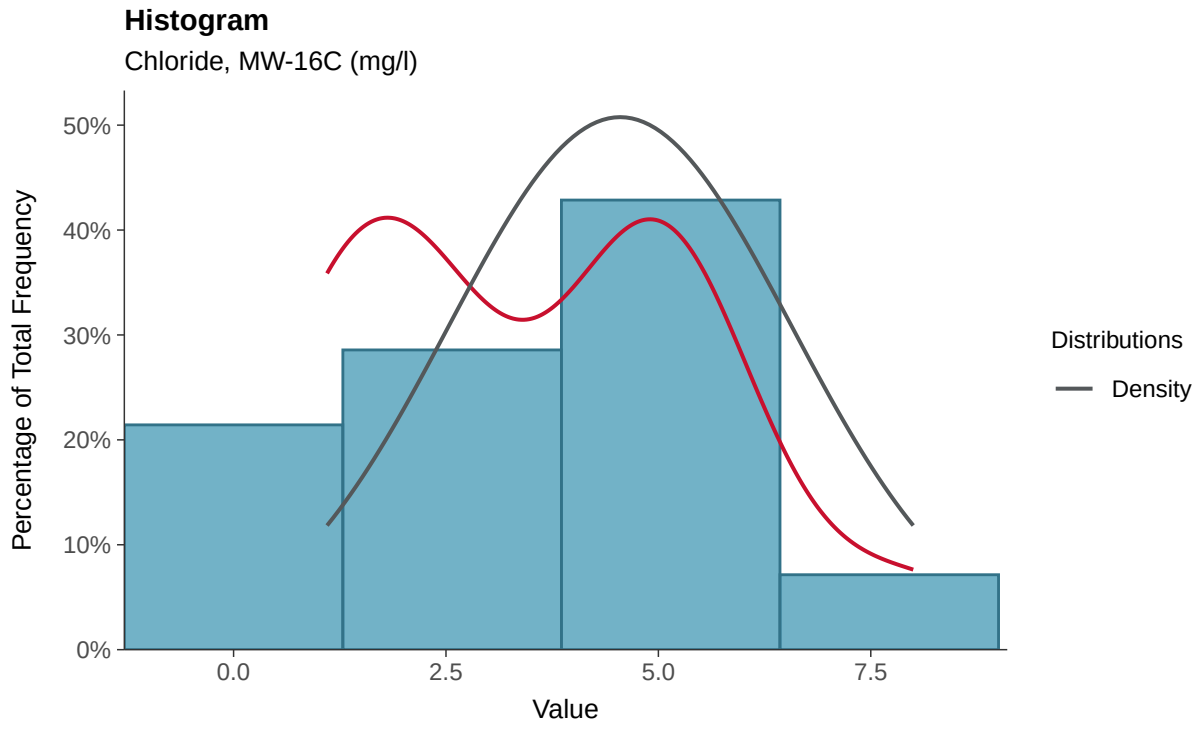
Calcium, MW-16C (mg/l)



Appendix III: Chloride, MW-16C

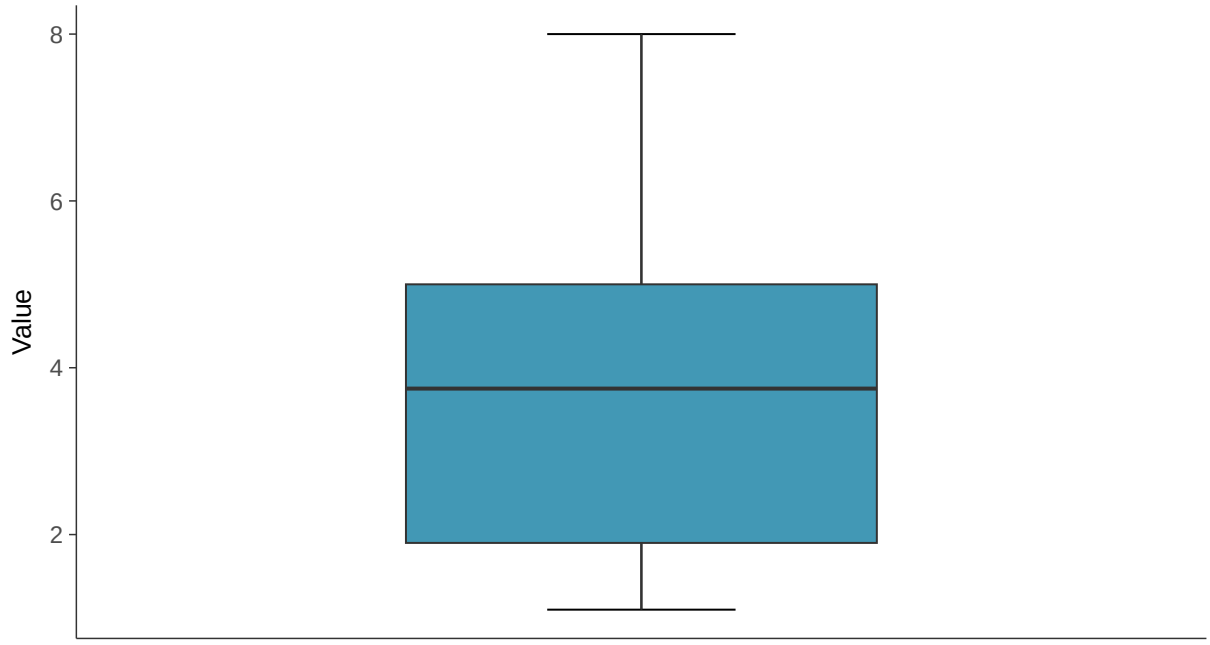
ID: 12_2_108





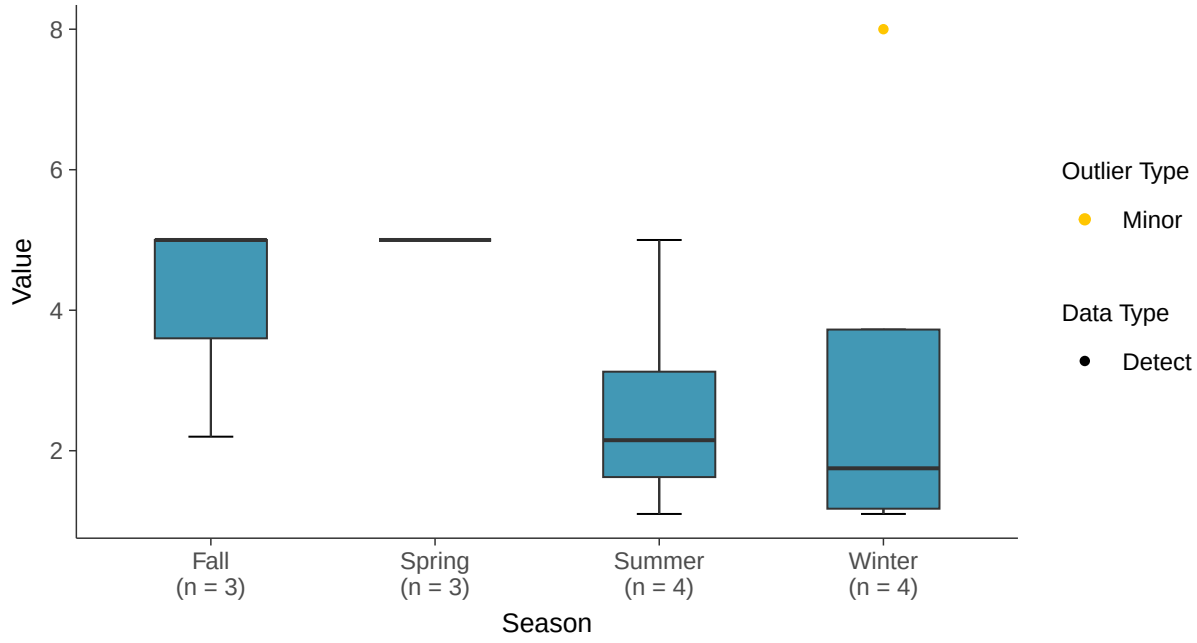
Boxplot

Chloride, MW-16C (mg/l)



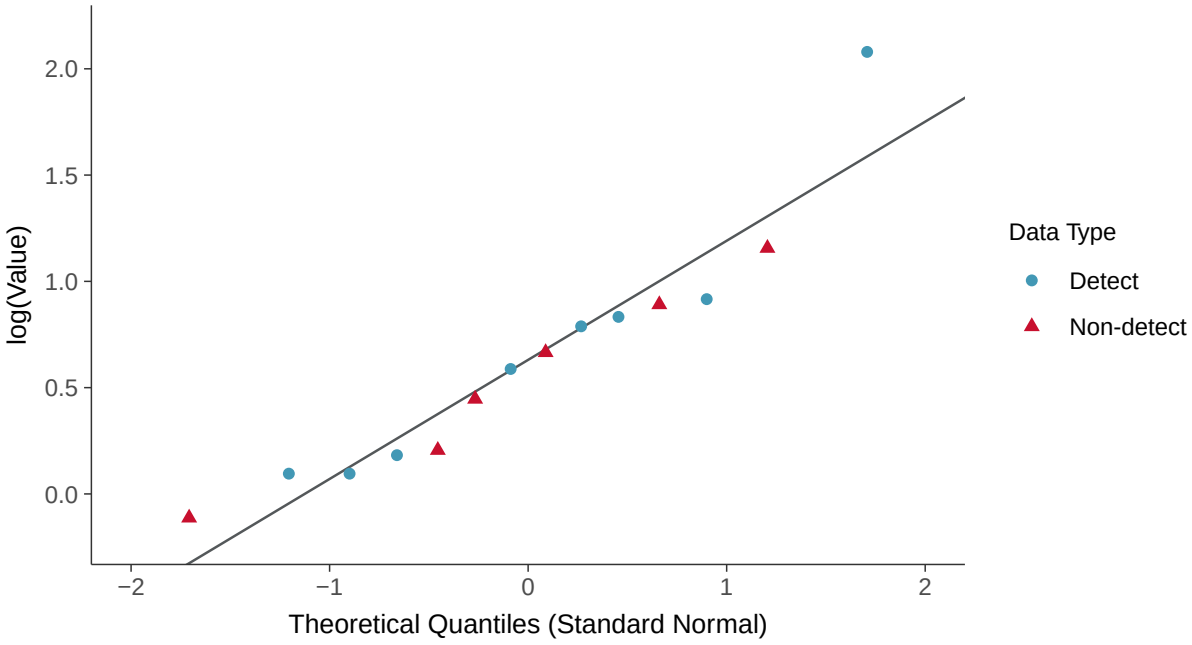
Boxplot by Season

Chloride, MW-16C (mg/l)



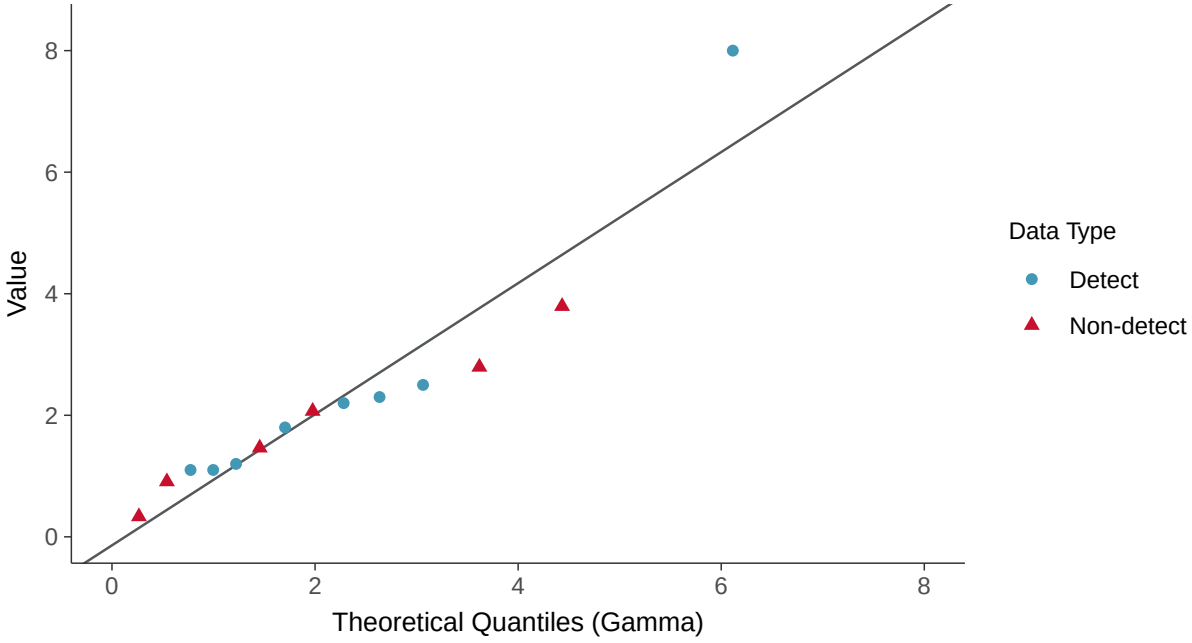
Lognormal Q-Q plot using ROS Imputed Estimates

Chloride, MW-16C (mg/l)



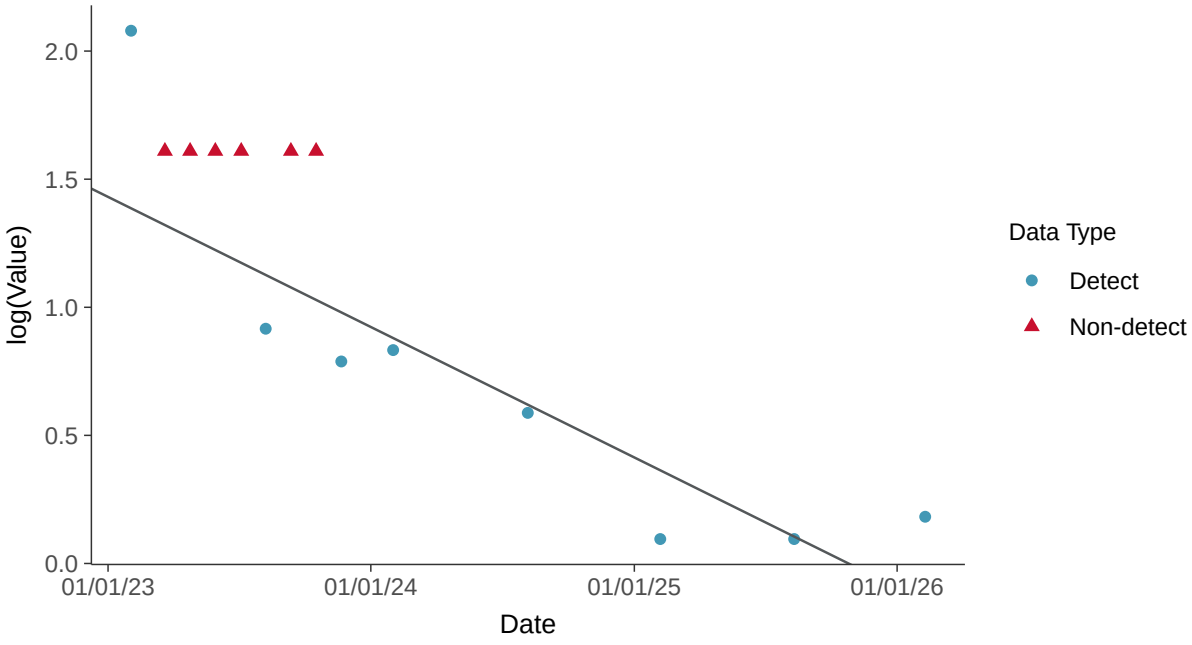
Gamma Q-Q plot using ROS Imputed Estimates

Chloride, MW-16C (mg/l)



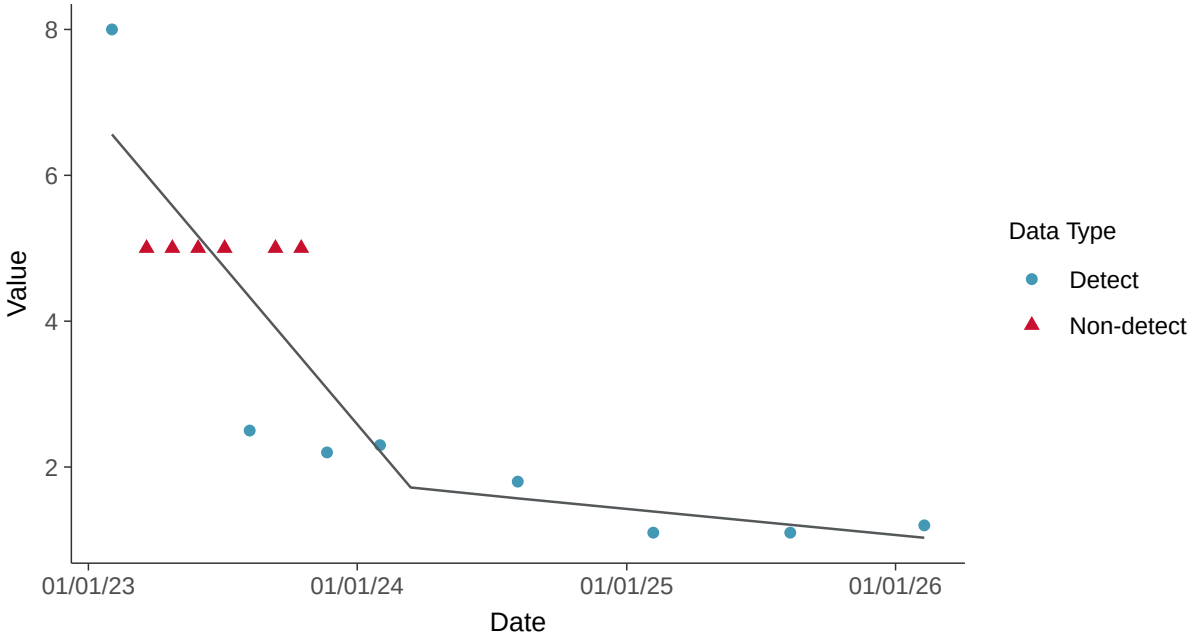
Trend Regression: Lognormal MLE

Chloride, MW-16C (mg/l)



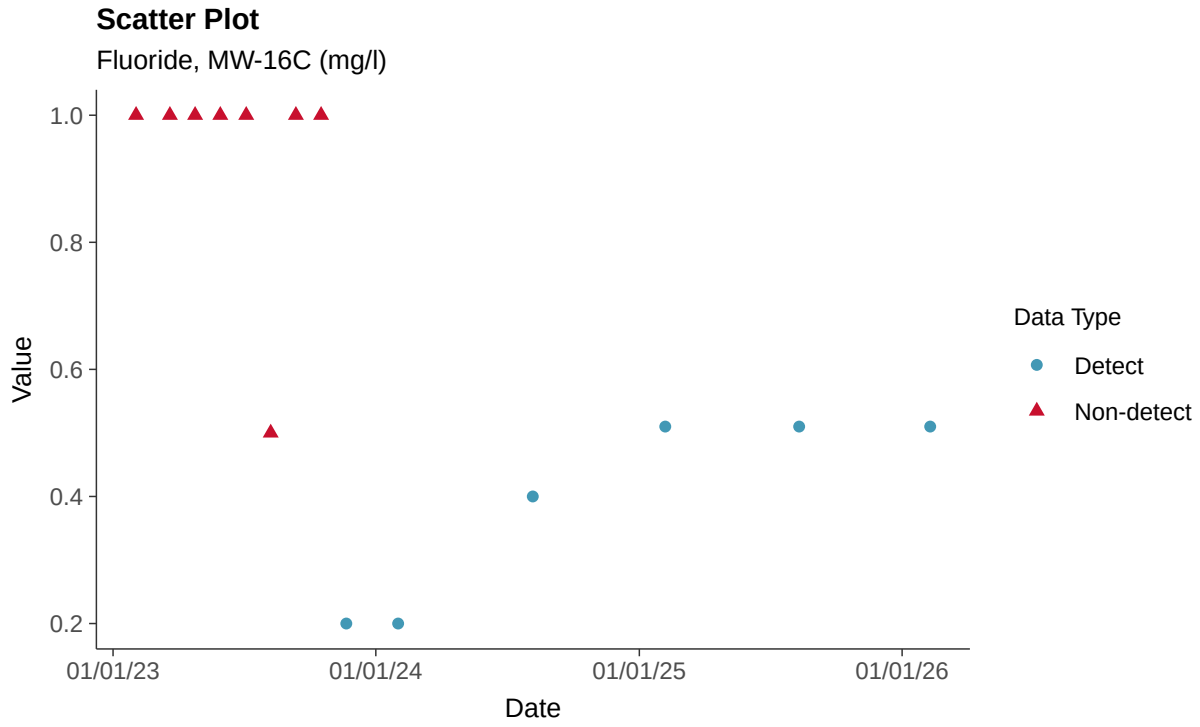
Trend Regression: Piecewise Linear-Linear

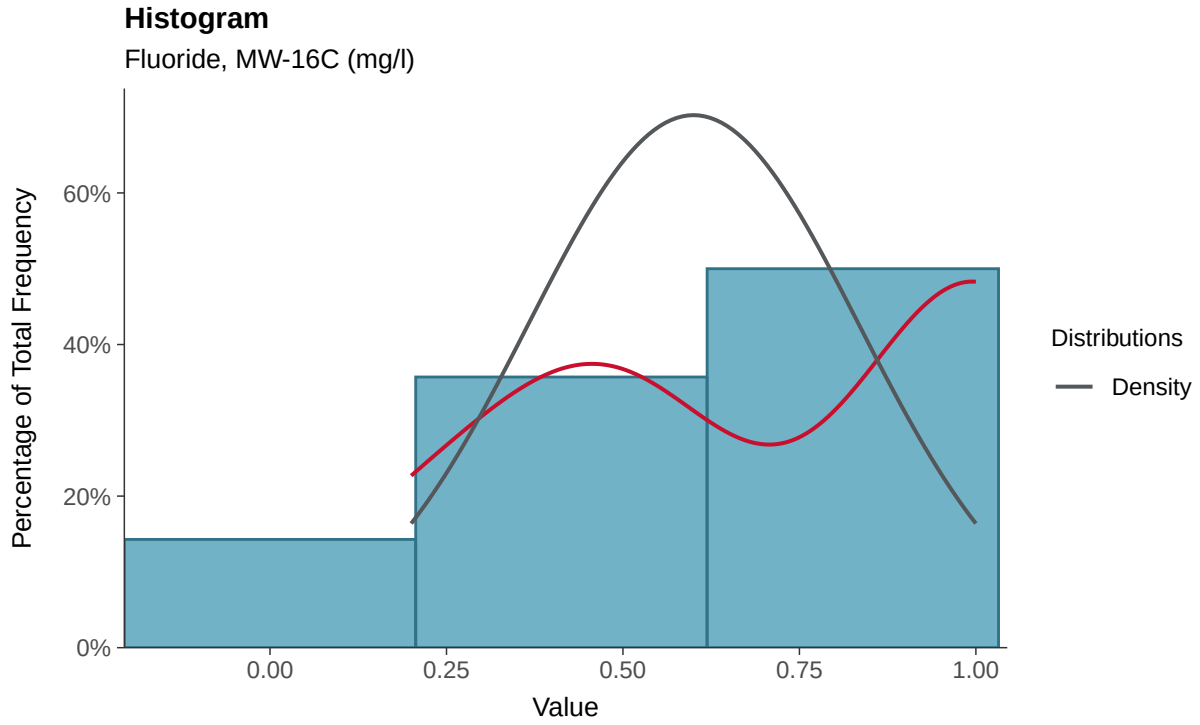
Chloride, MW-16C (mg/l)



Appendix III: Fluoride, MW-16C

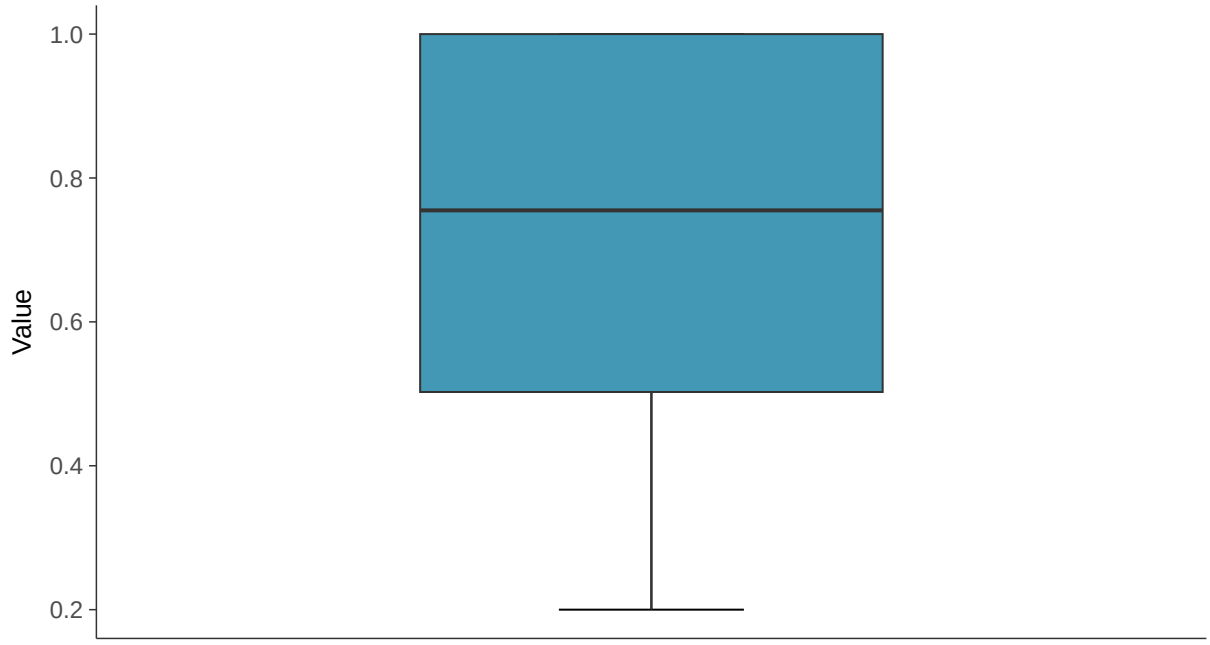
ID: 12_2_112





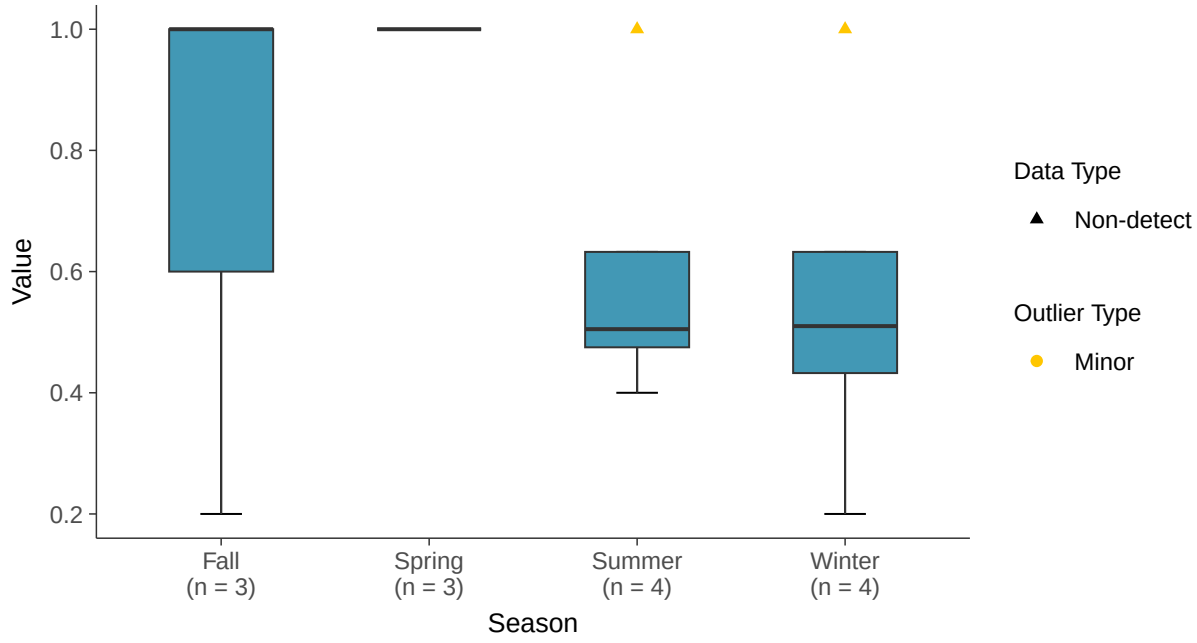
Boxplot

Fluoride, MW-16C (mg/l)



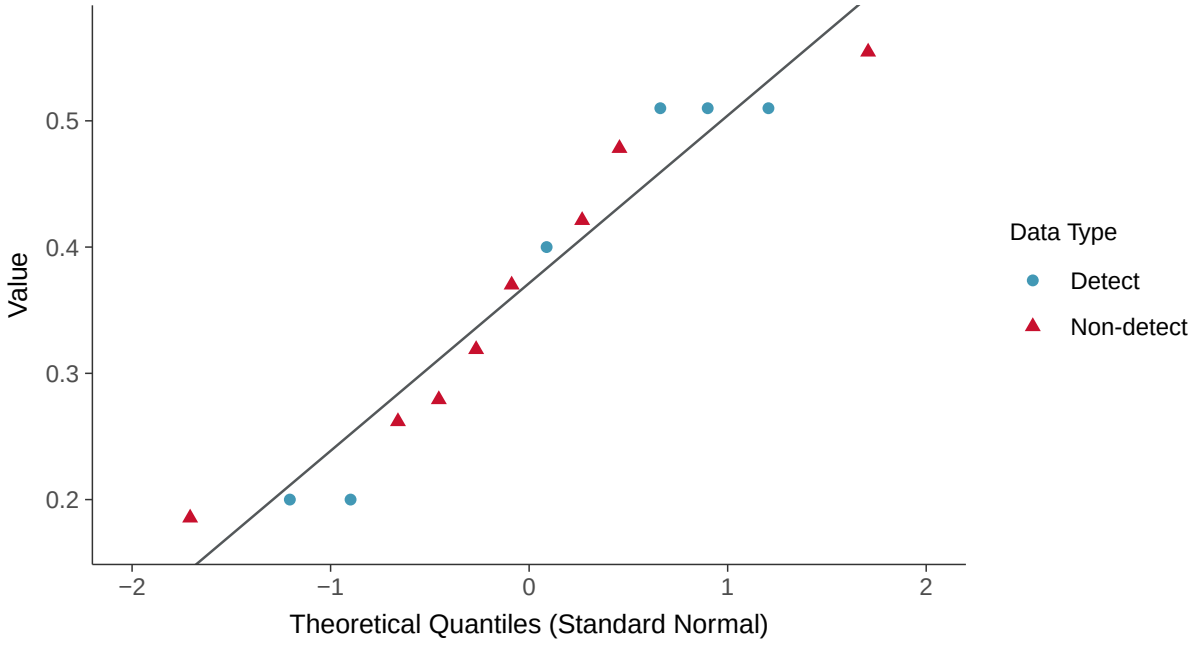
Boxplot by Season

Fluoride, MW-16C (mg/l)



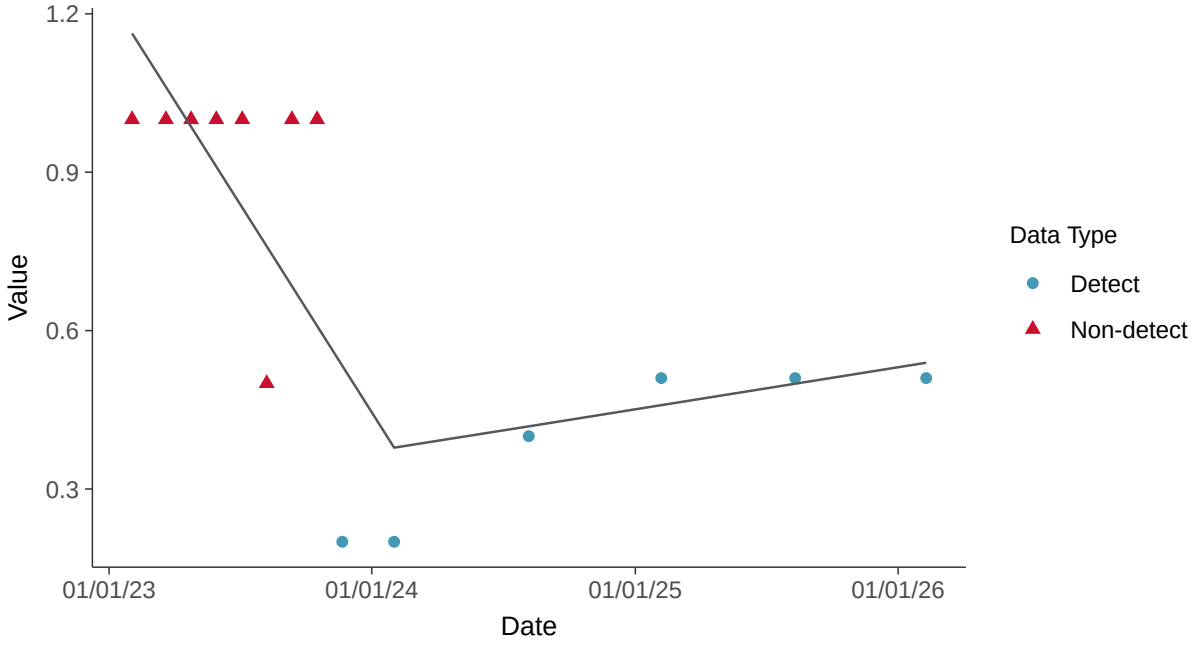
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-16C (mg/l)



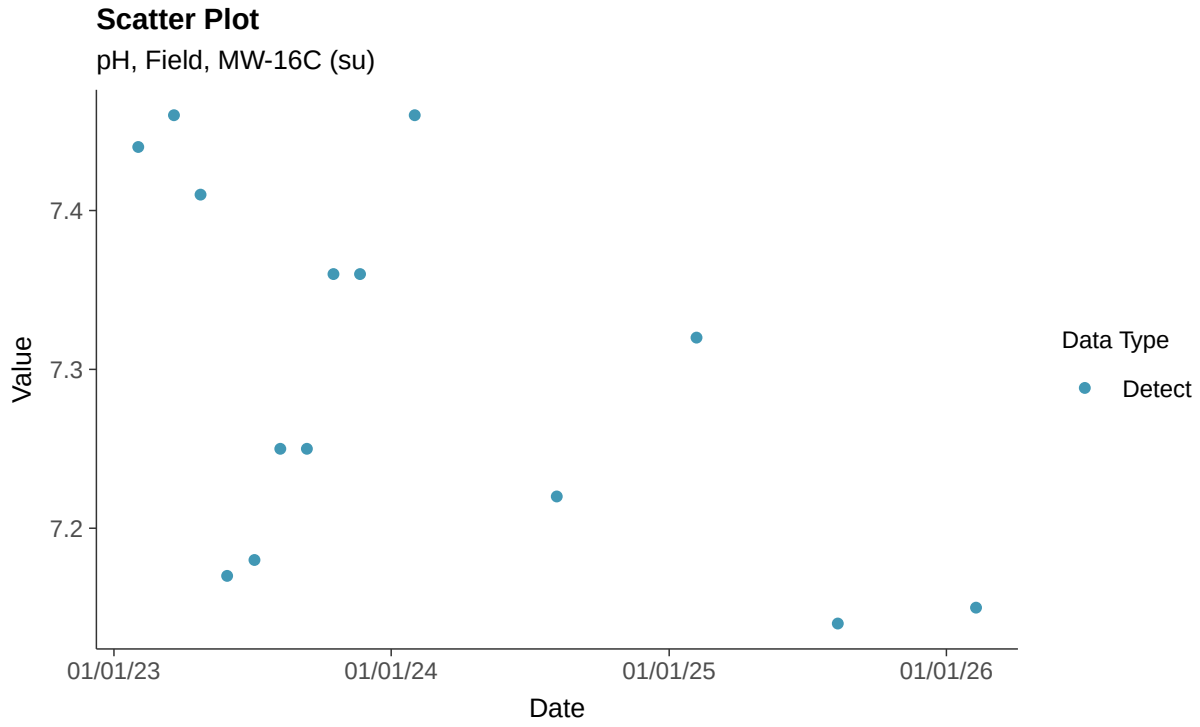
Trend Regression: Piecewise Linear-Linear

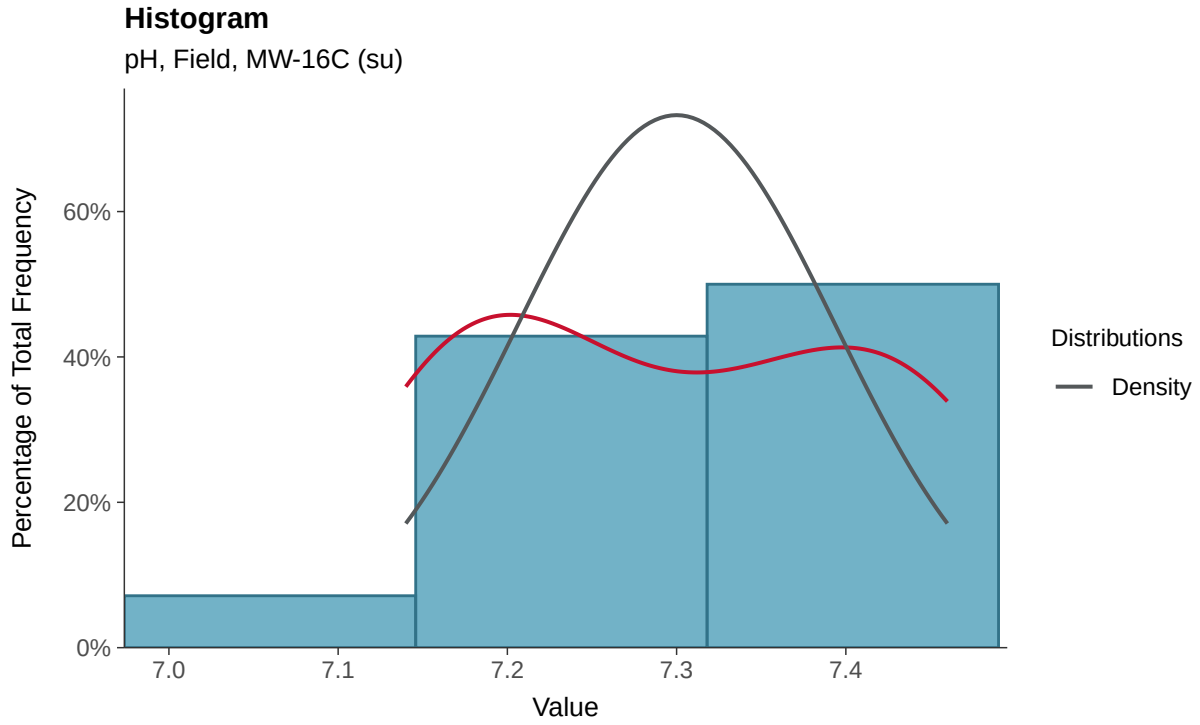
Fluoride, MW-16C (mg/l)



Appendix III: pH, Field, MW-16C

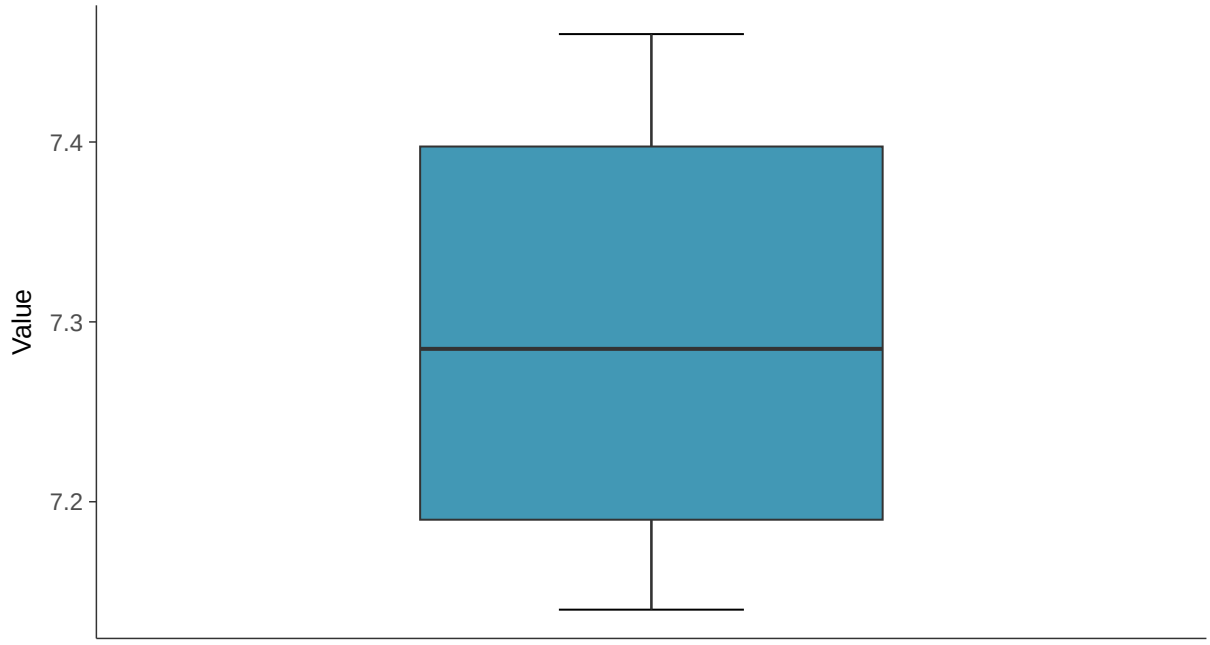
ID: 12_2_120





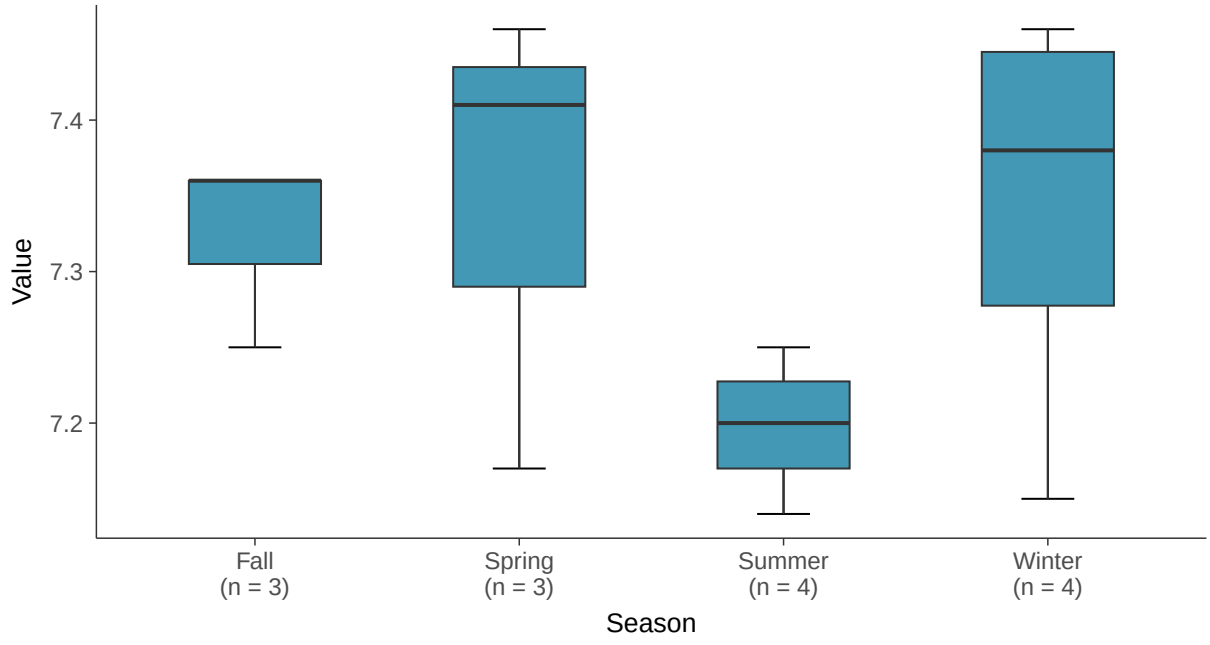
Boxplot

pH, Field, MW-16C (su)



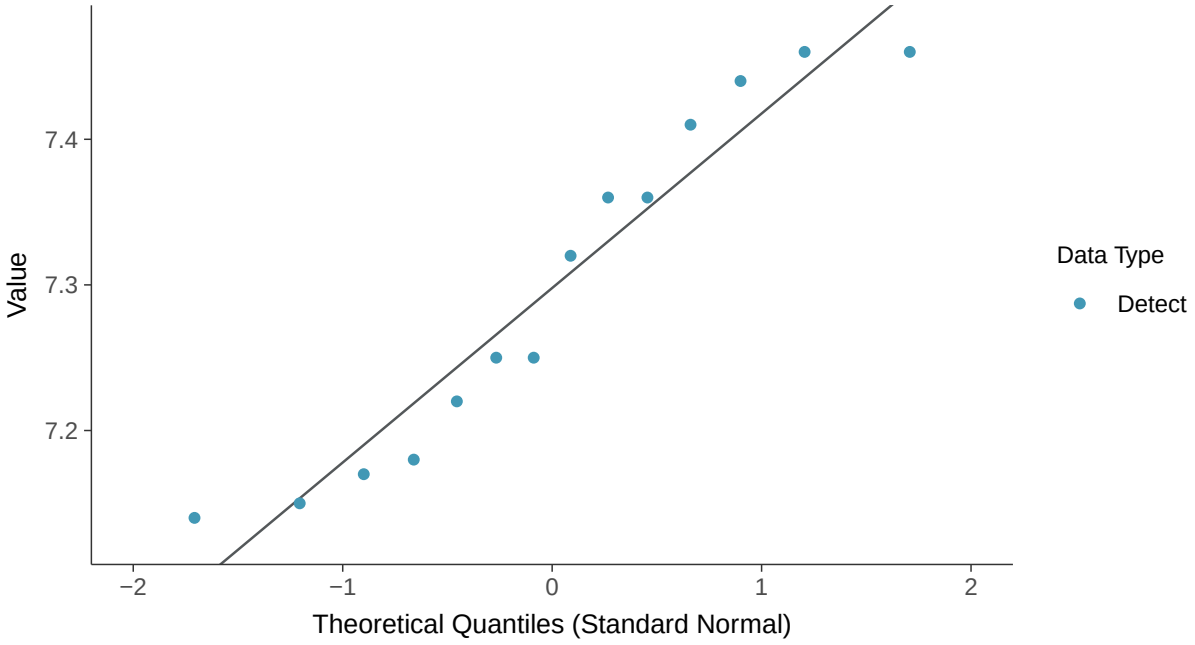
Boxplot by Season

pH, Field, MW-16C (su)



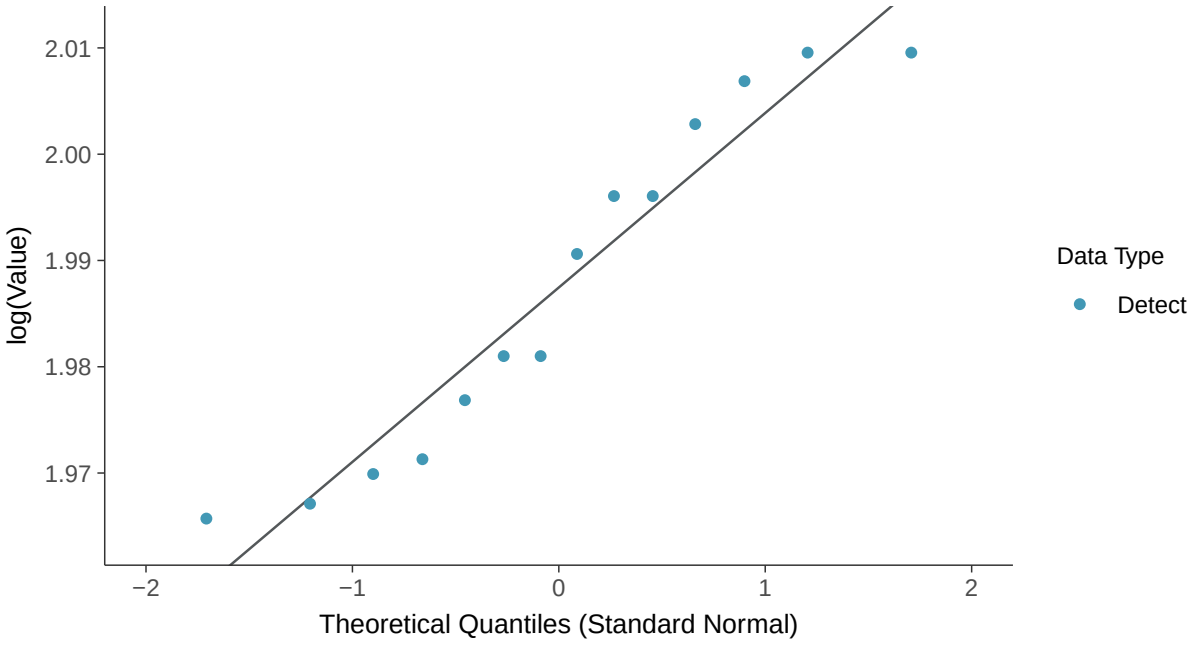
Normal Q-Q plot

pH, Field, MW-16C (su)



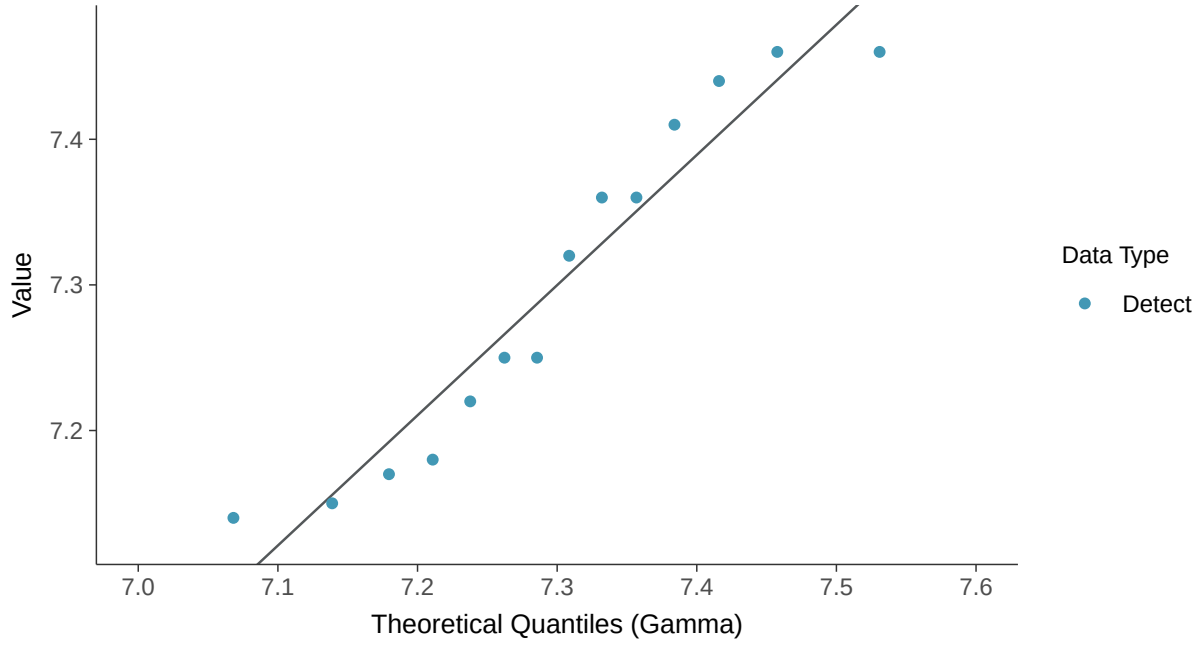
Lognormal Q-Q plot

pH, Field, MW-16C (su)



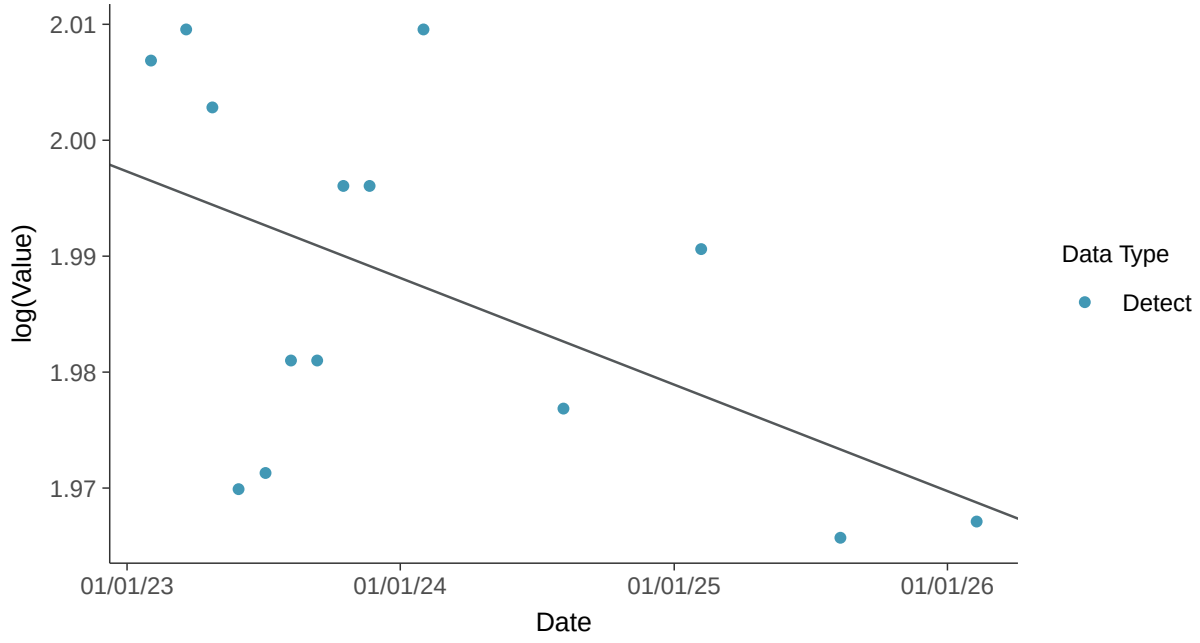
Gamma Q-Q plot

pH, Field, MW-16C (su)



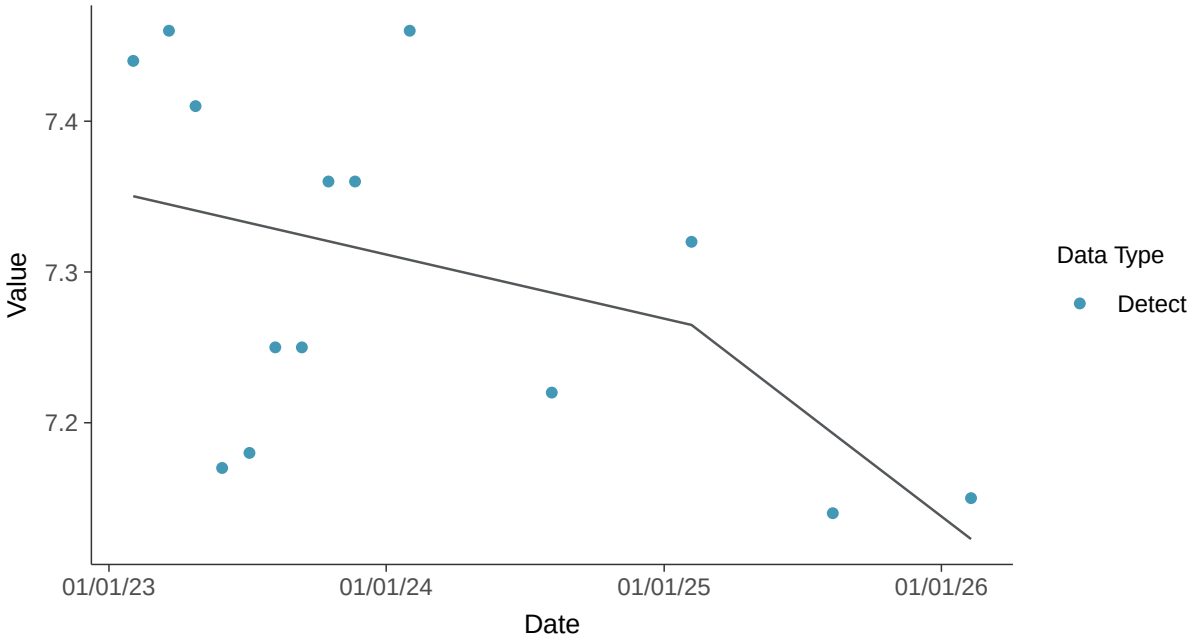
Trend Regression: Lognormal MLE

pH, Field, MW-16C (su)



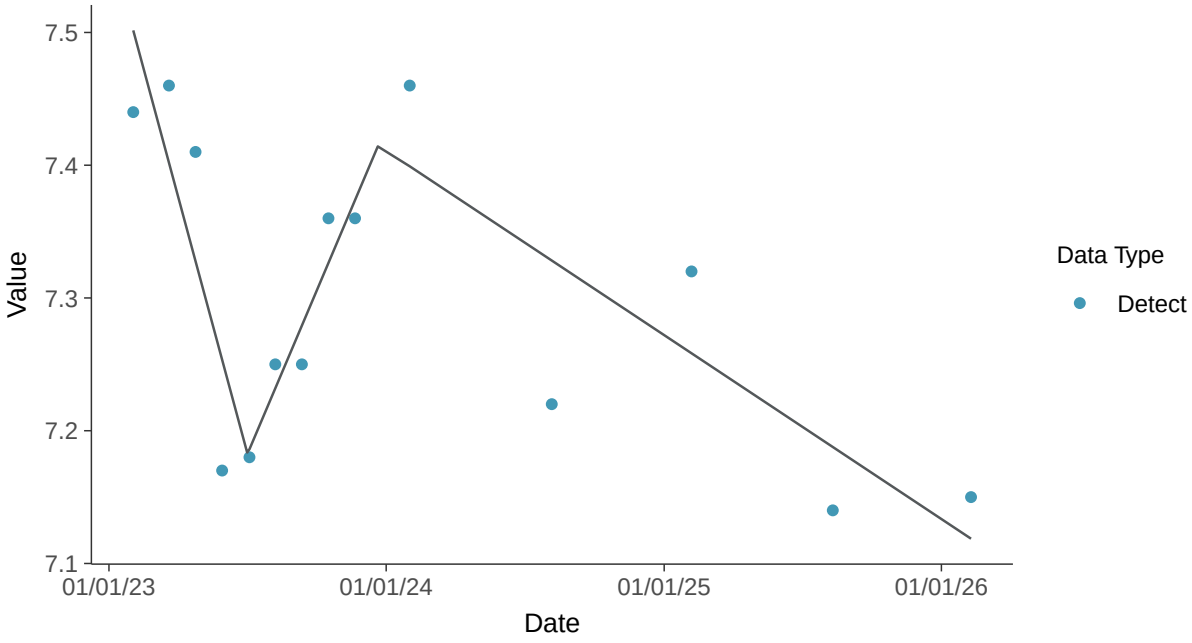
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-16C (su)



Trend Regression: Piecewise Linear-Linear-Linear

pH, Field, MW-16C (su)

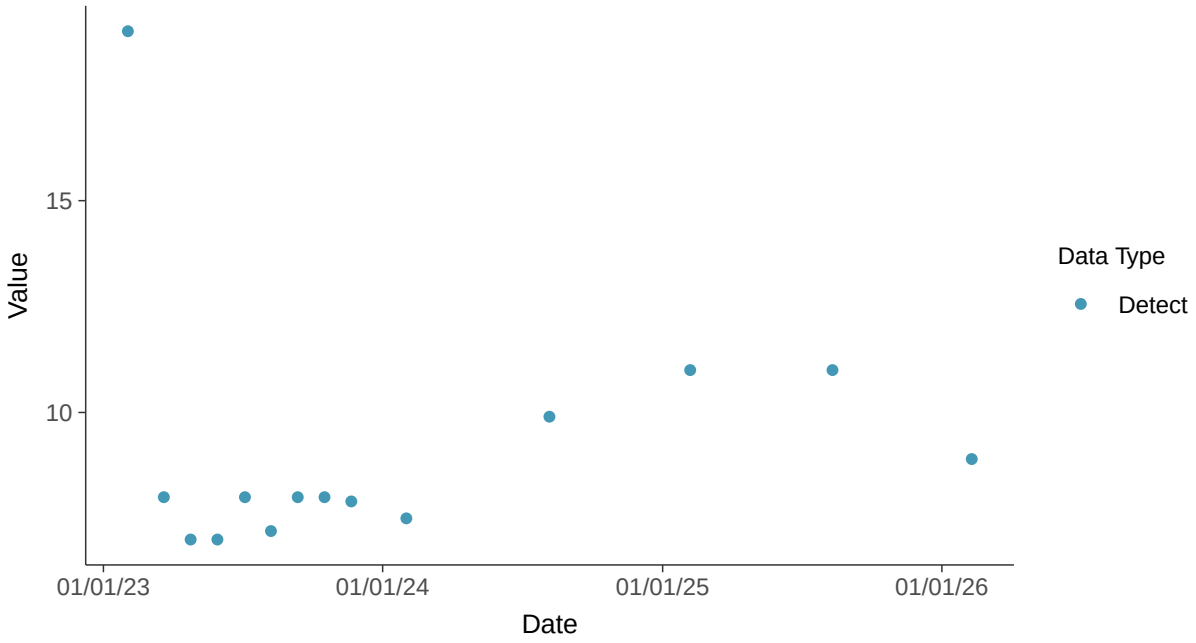


Appendix III: Sulfate, MW-16C

ID: 12_2_124

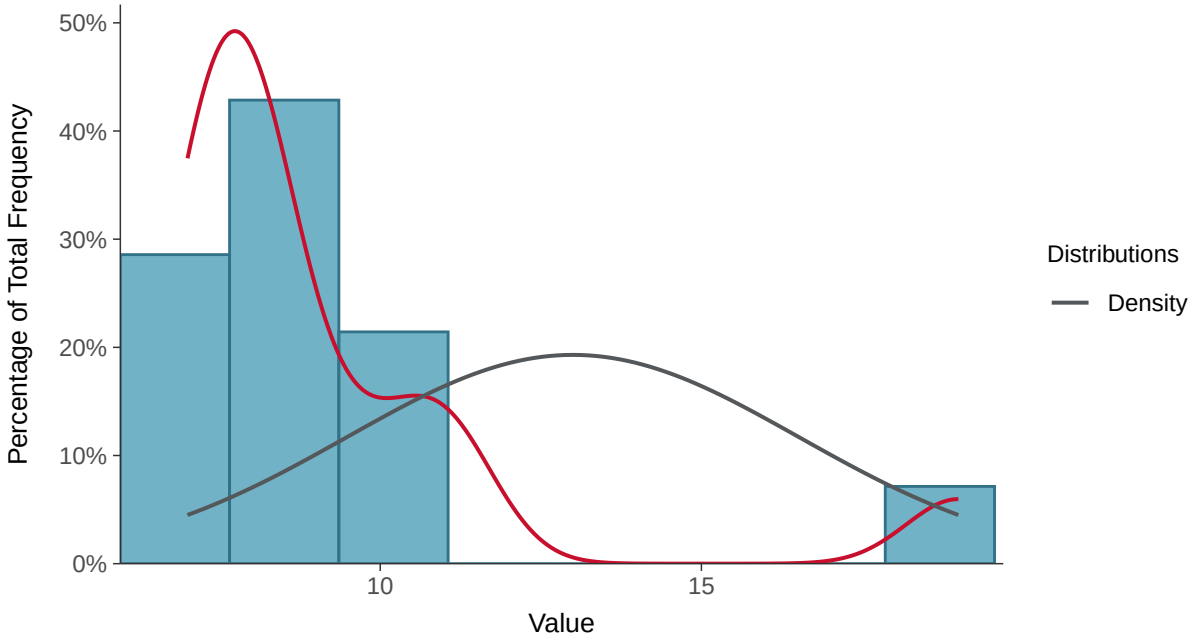
Scatter Plot

Sulfate, MW-16C (mg/l)



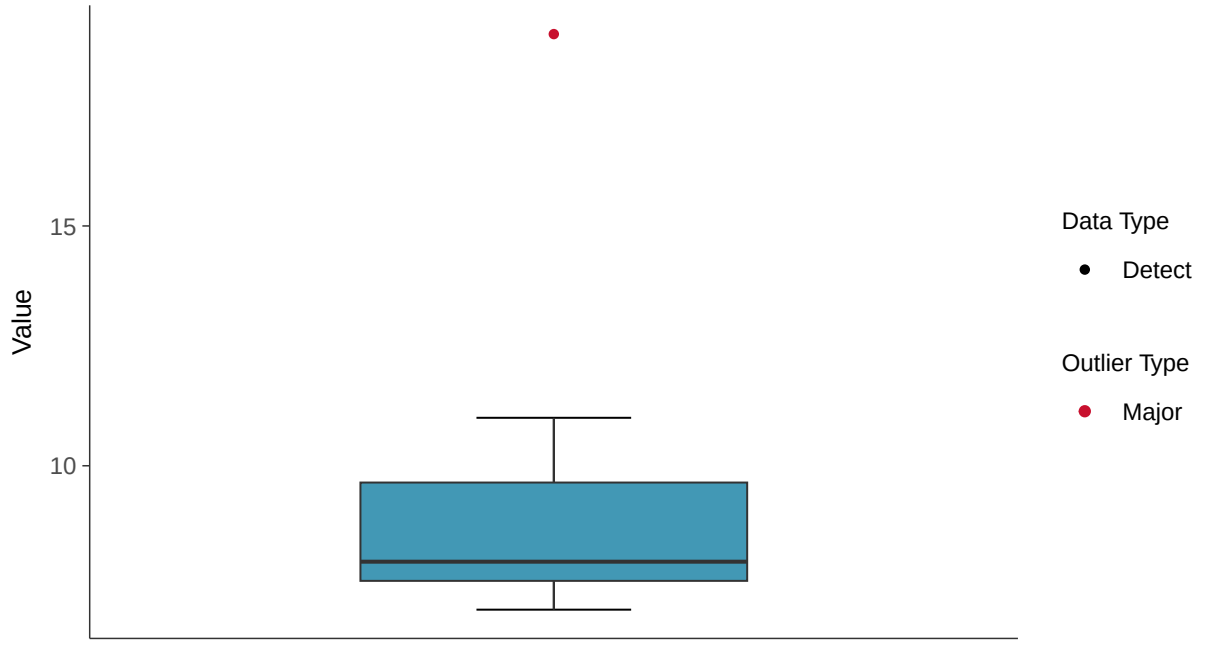
Histogram

Sulfate, MW-16C (mg/l)



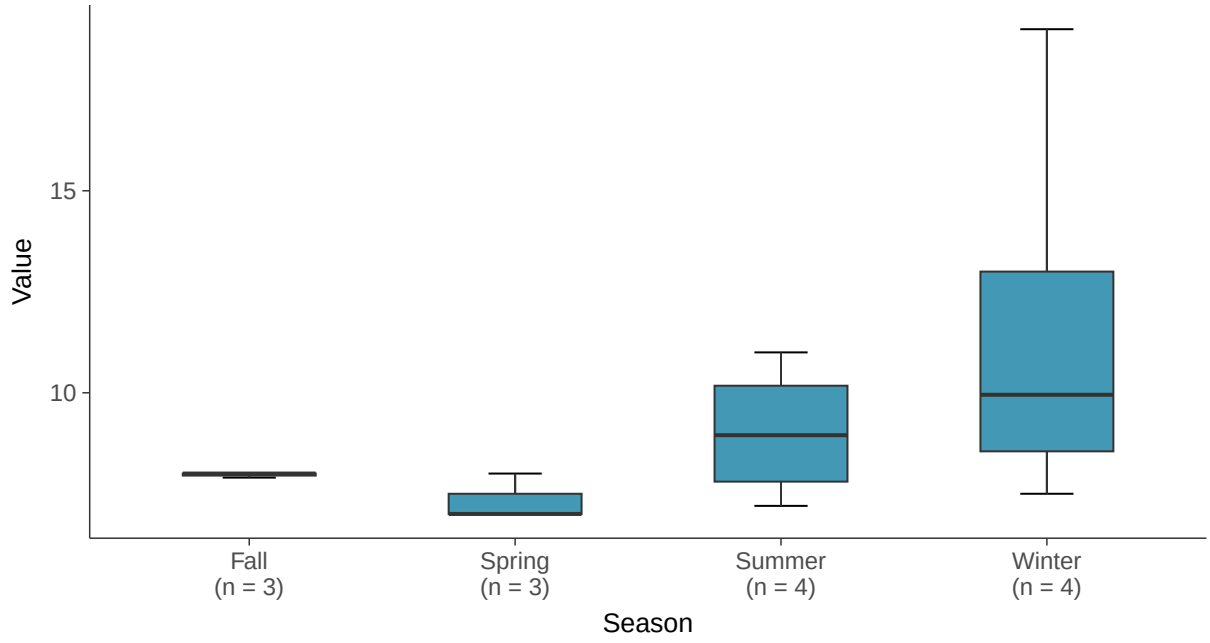
Boxplot

Sulfate, MW-16C (mg/l)



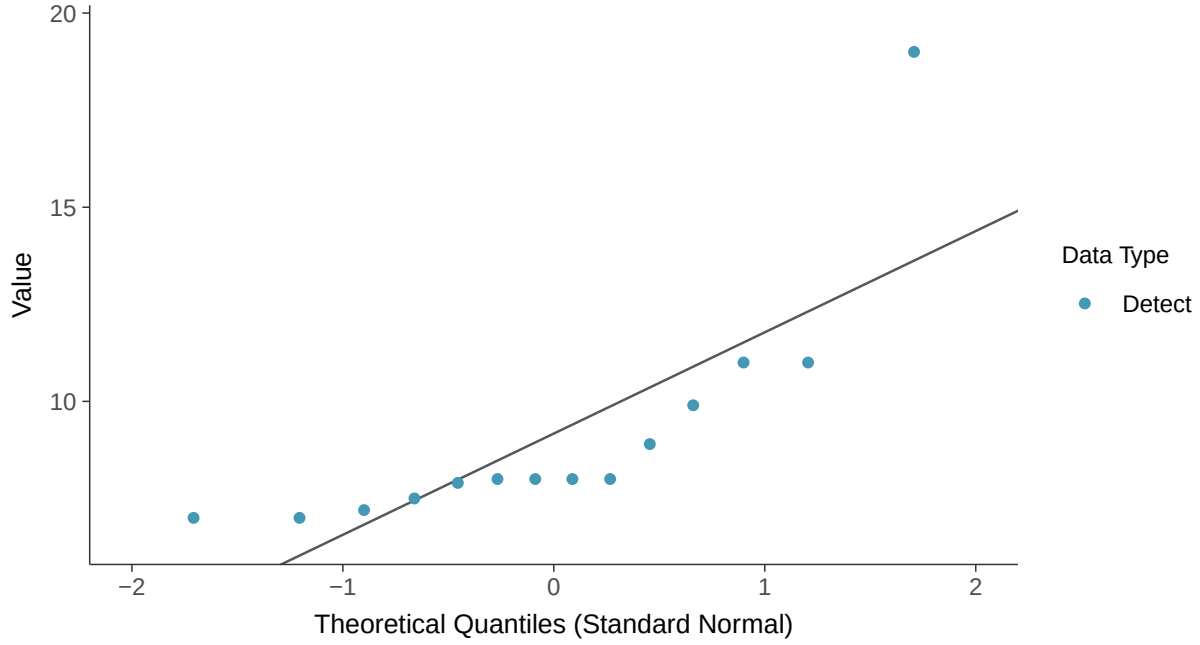
Boxplot by Season

Sulfate, MW-16C (mg/l)



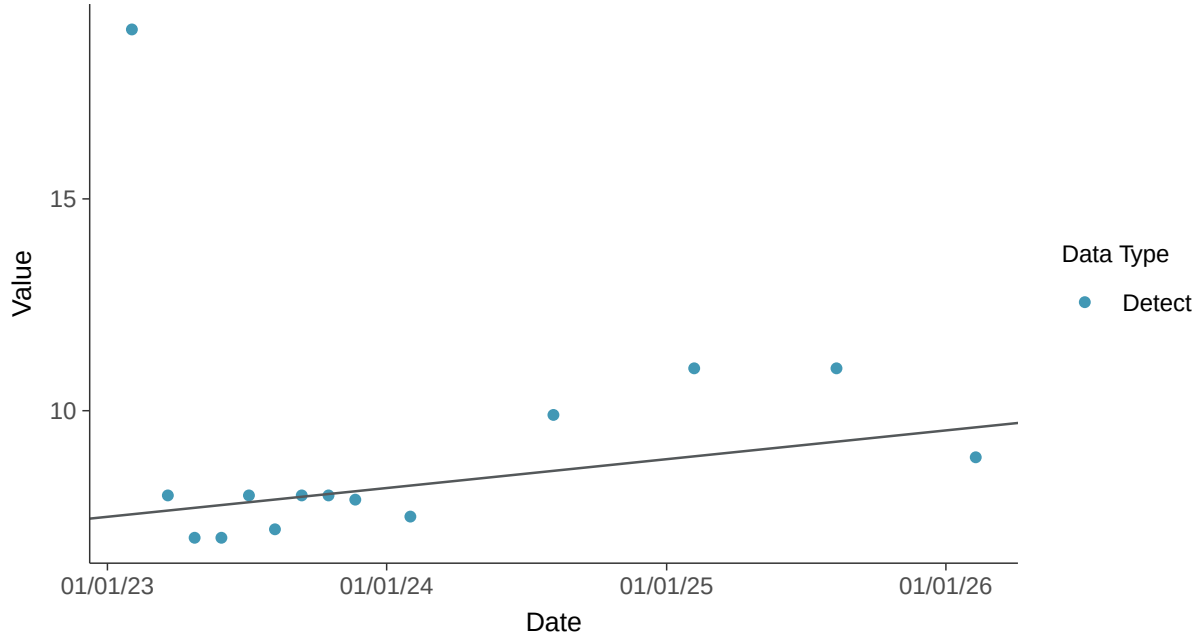
Normal Q-Q plot

Sulfate, MW-16C (mg/l)



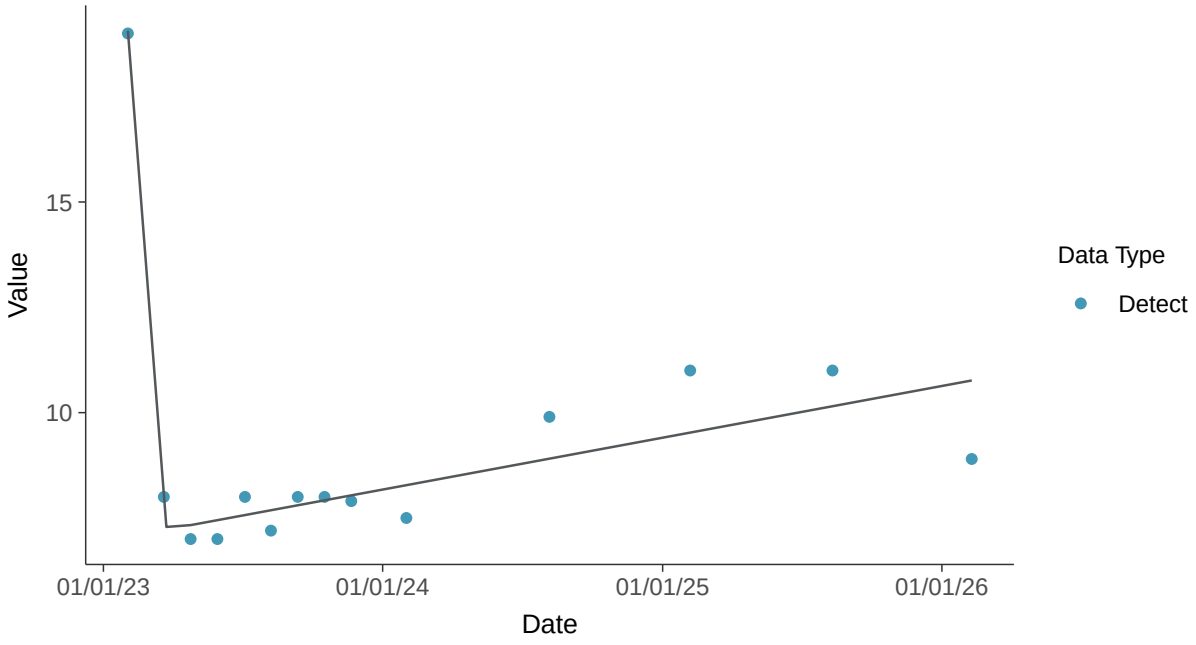
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Sulfate, MW-16C (mg/l)



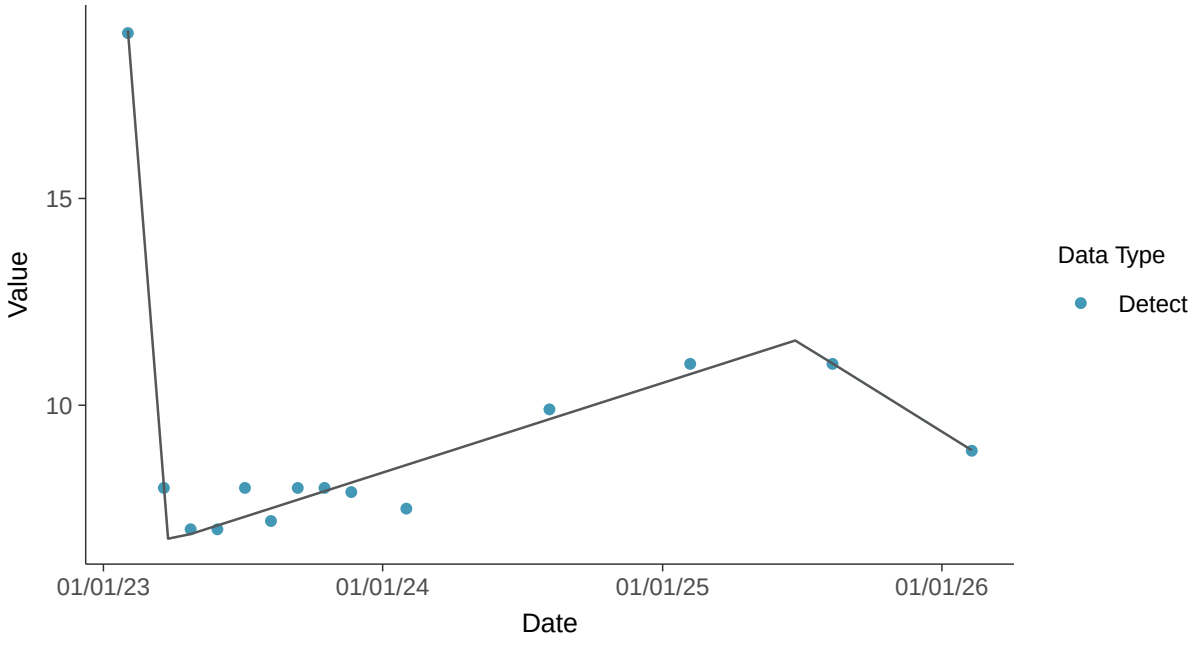
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-16C (mg/l)



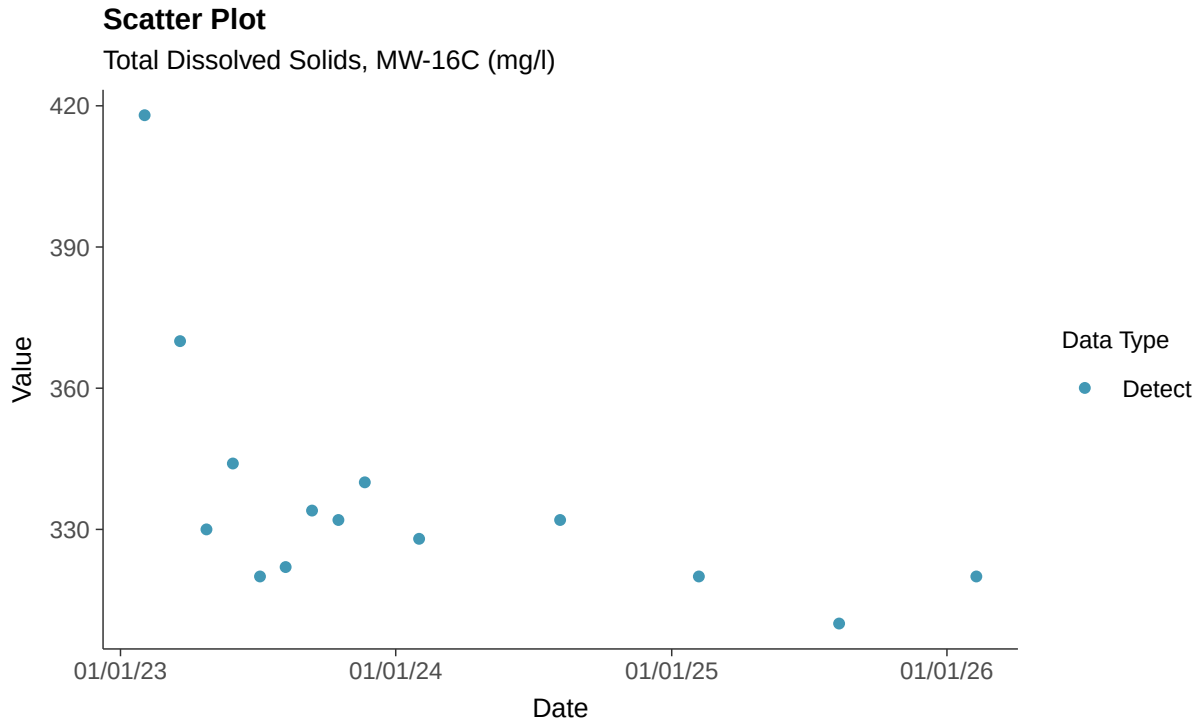
Trend Regression: Piecewise Linear-Linear-Linear

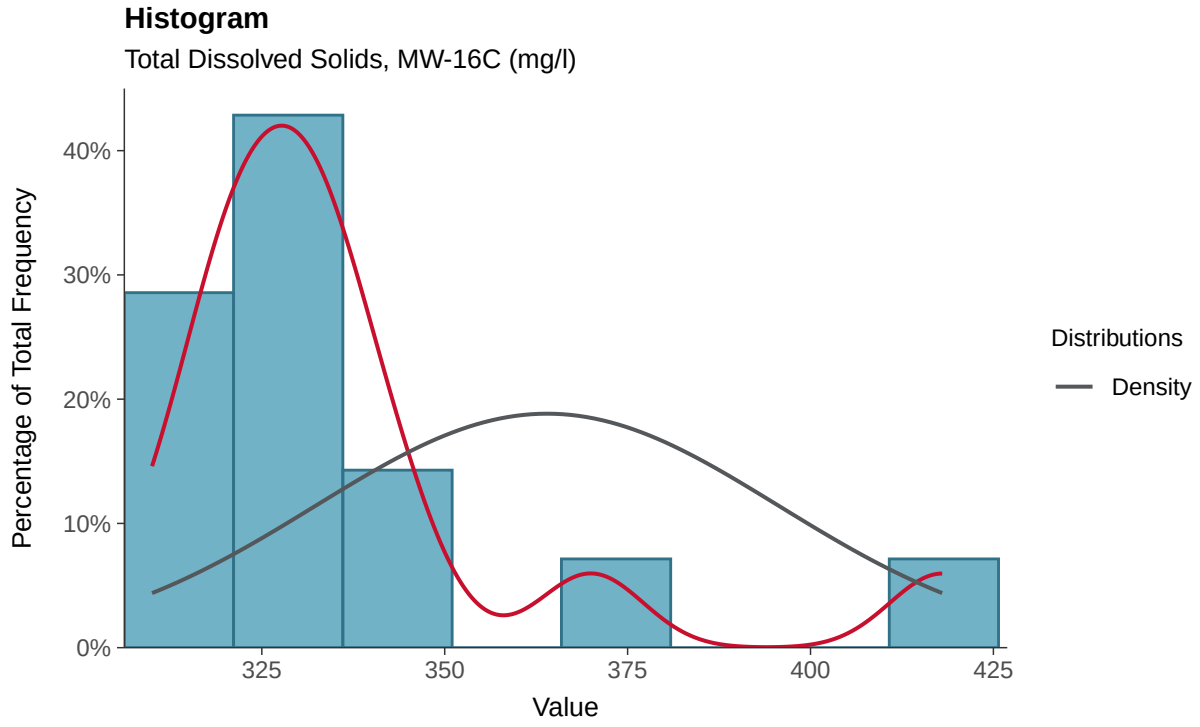
Sulfate, MW-16C (mg/l)



Appendix III: Total Dissolved Solids, MW-16C

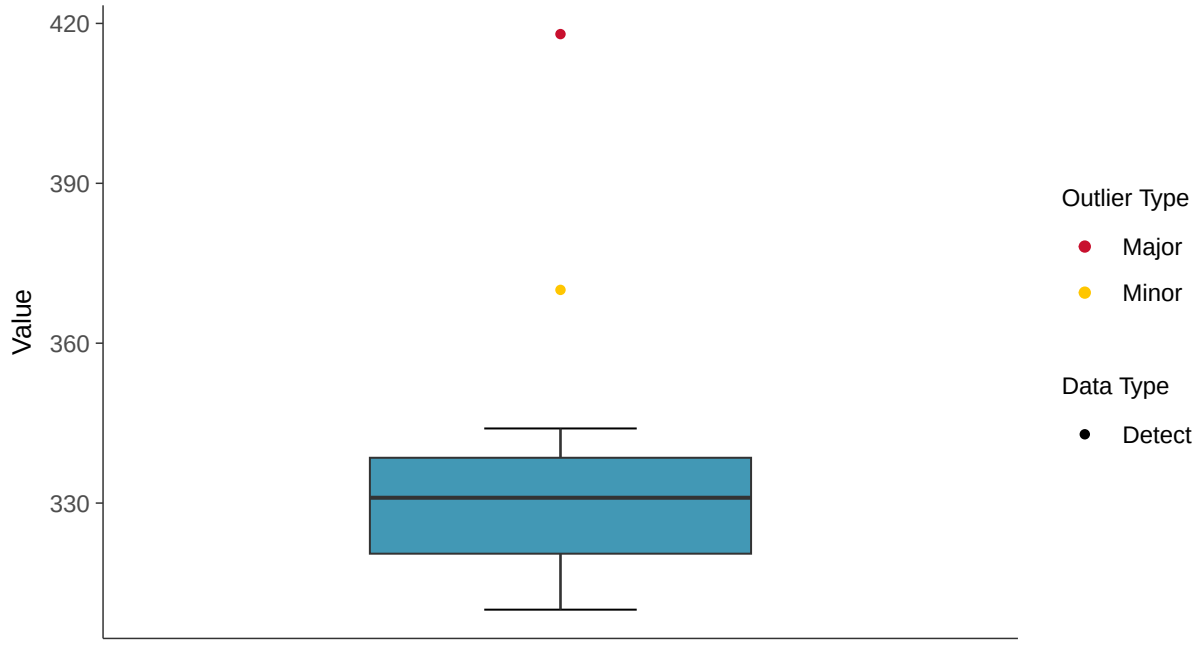
ID: 12_2_126





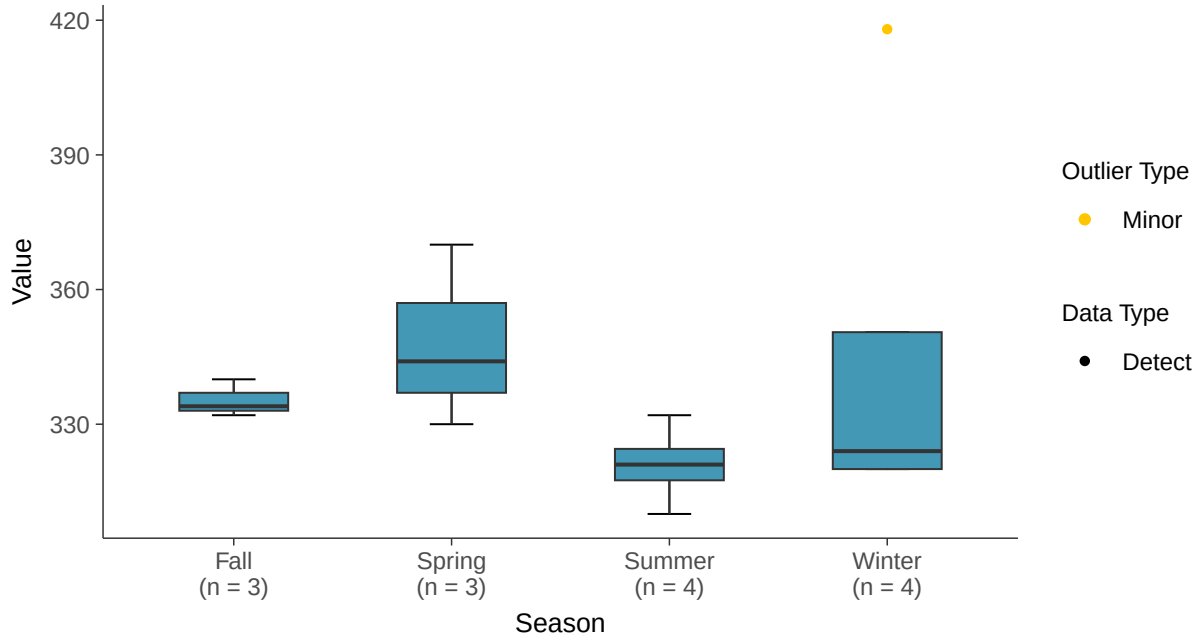
Boxplot

Total Dissolved Solids, MW-16C (mg/l)



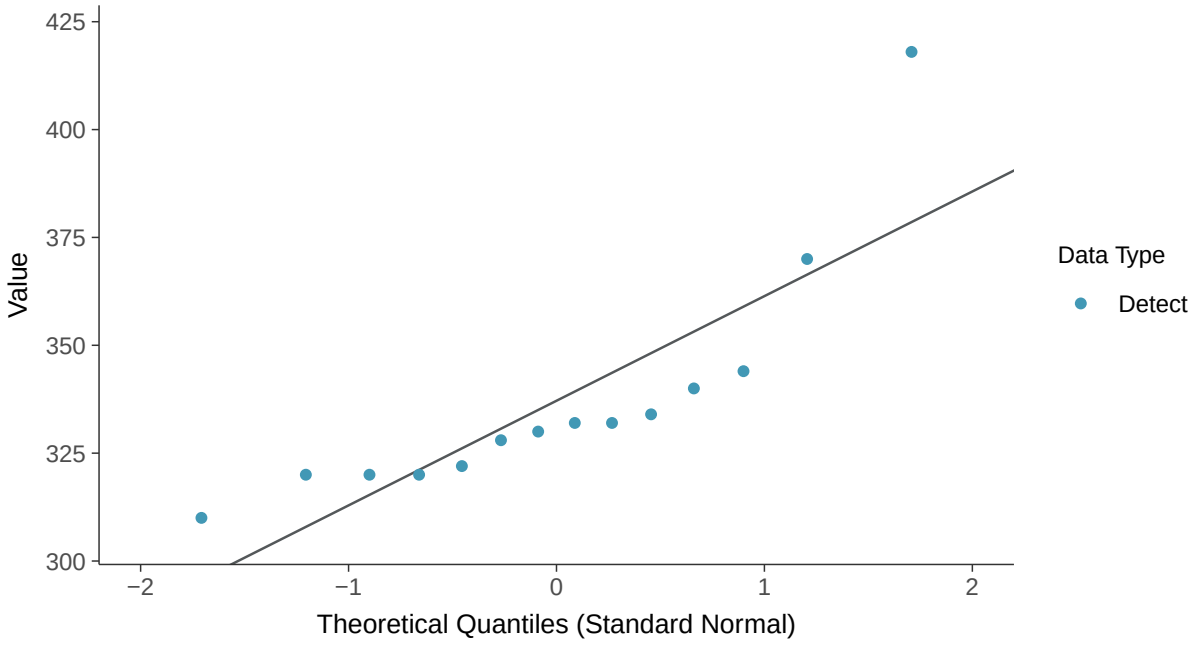
Boxplot by Season

Total Dissolved Solids, MW-16C (mg/l)



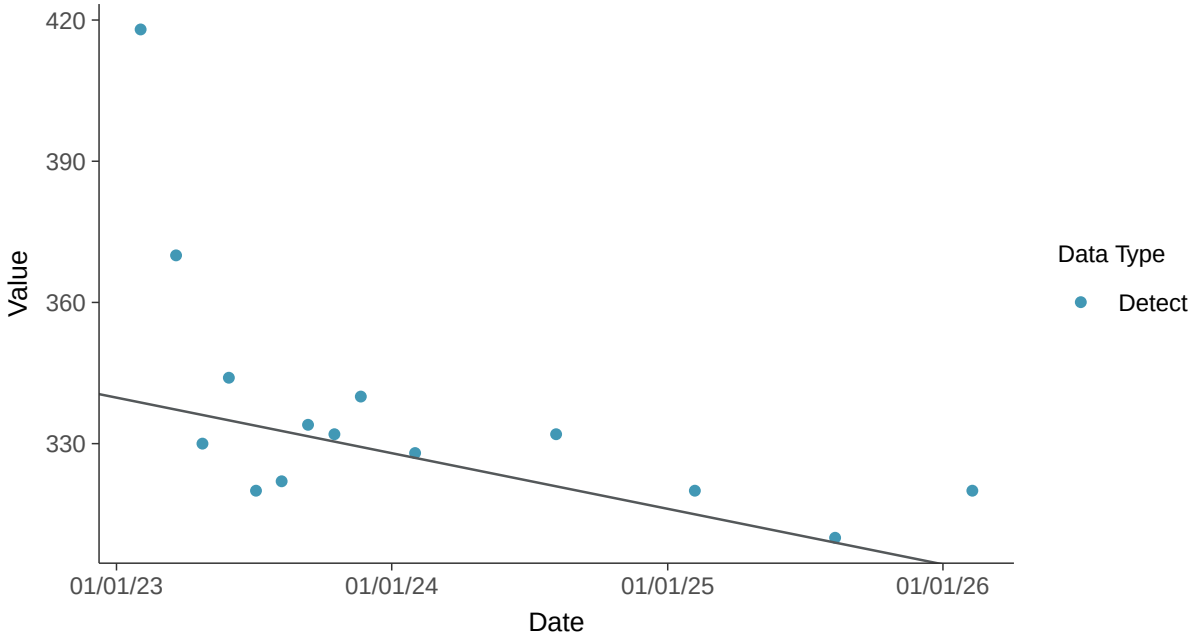
Normal Q-Q plot

Total Dissolved Solids, MW-16C (mg/l)



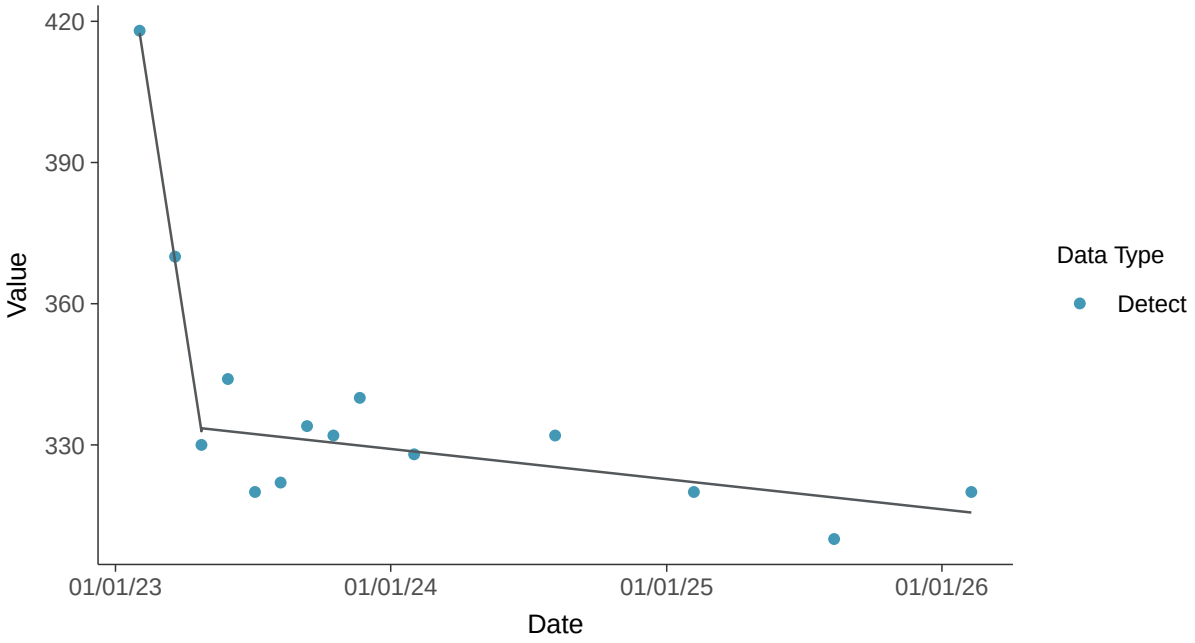
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Total Dissolved Solids, MW-16C (mg/l)



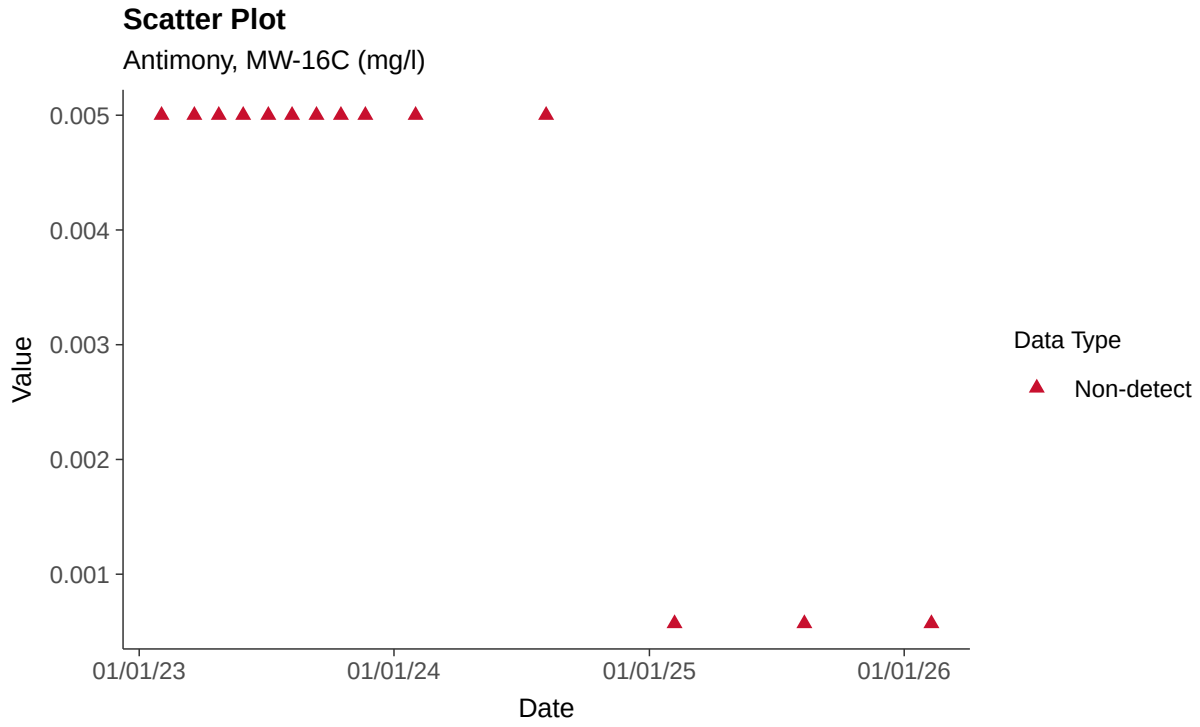
Trend Regression: Piecewise Linear-Linear

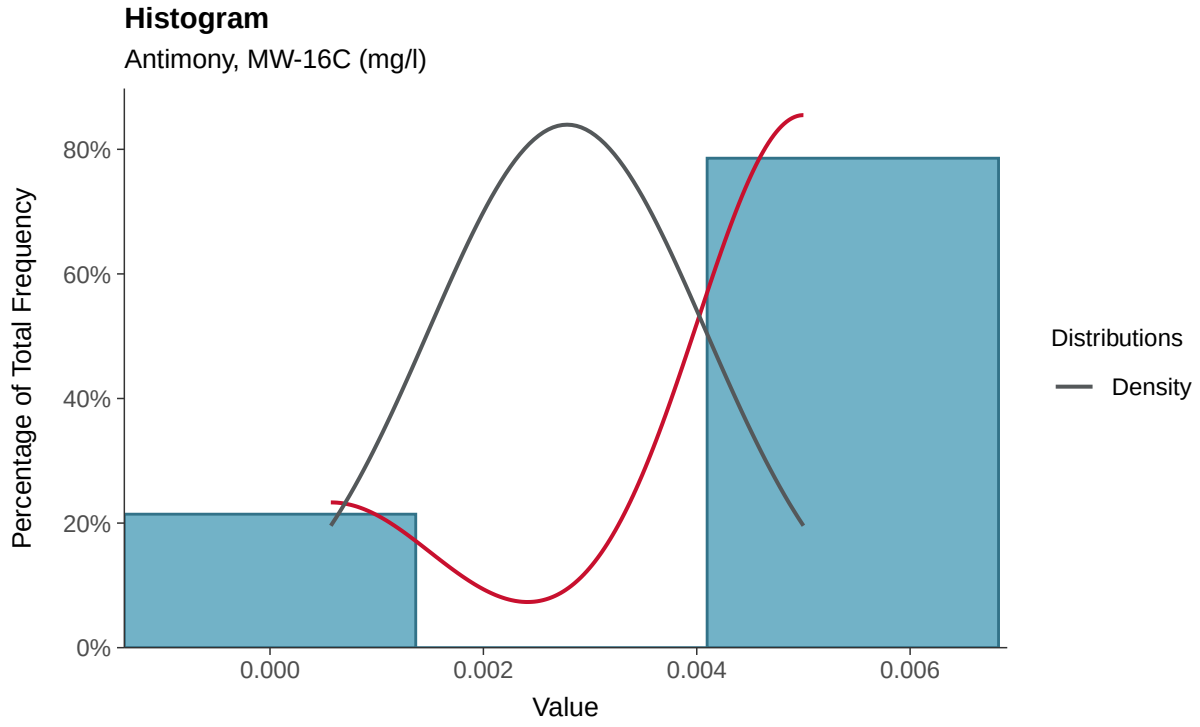
Total Dissolved Solids, MW-16C (mg/l)



Appendix IV: Antimony, MW-16C

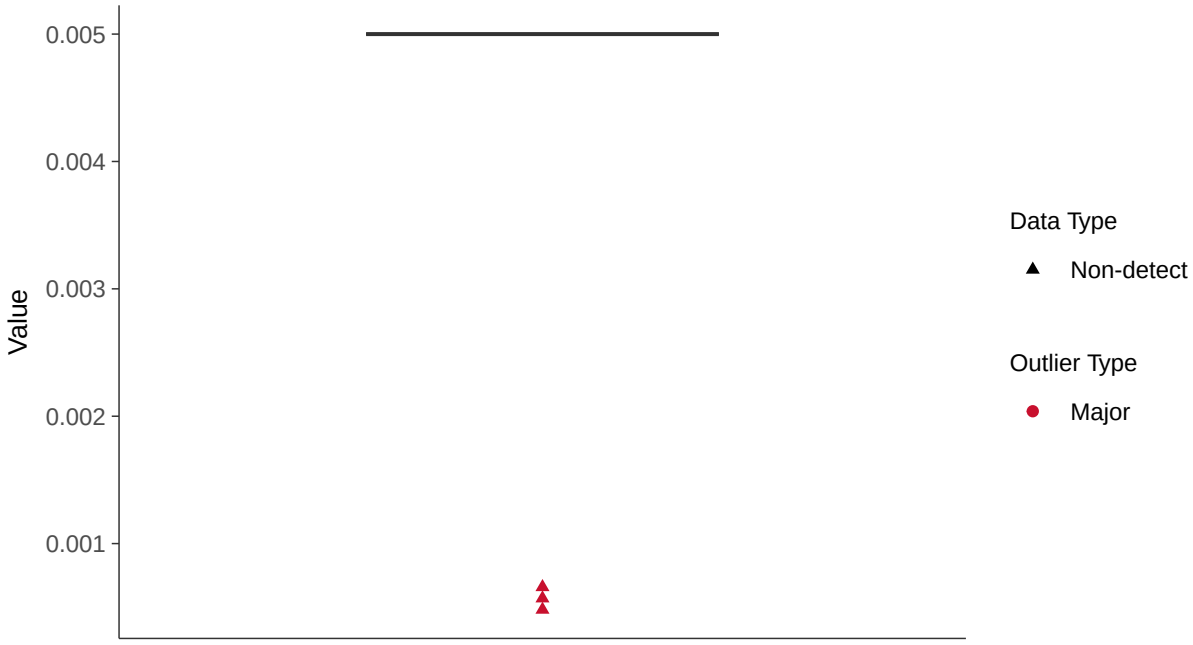
ID: 12_3_101





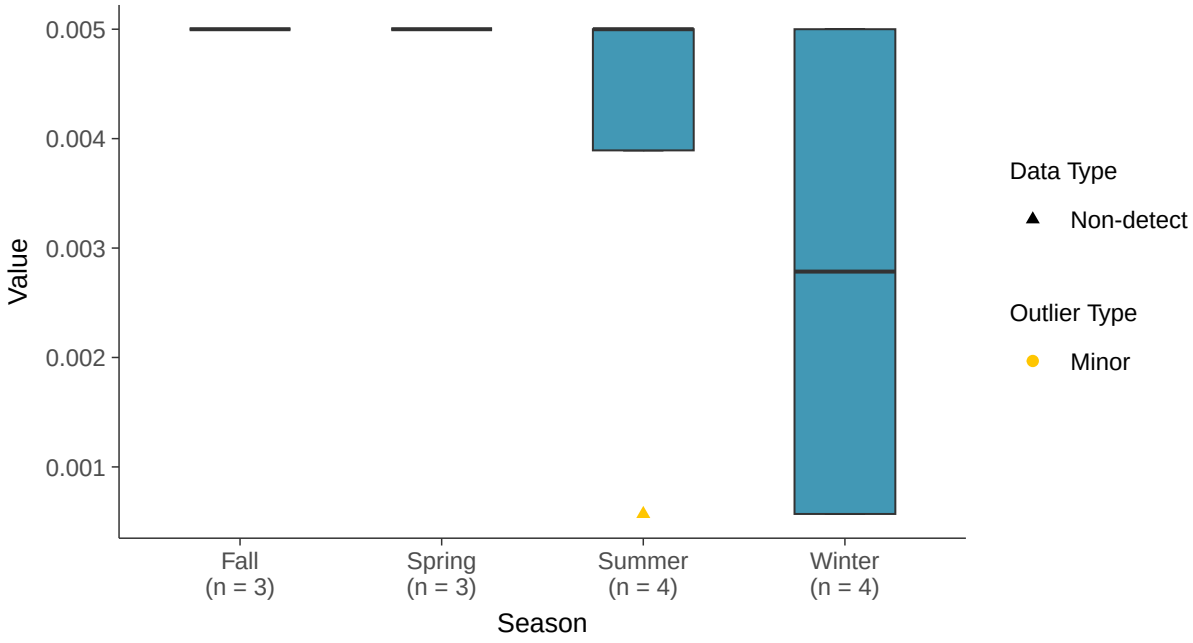
Boxplot

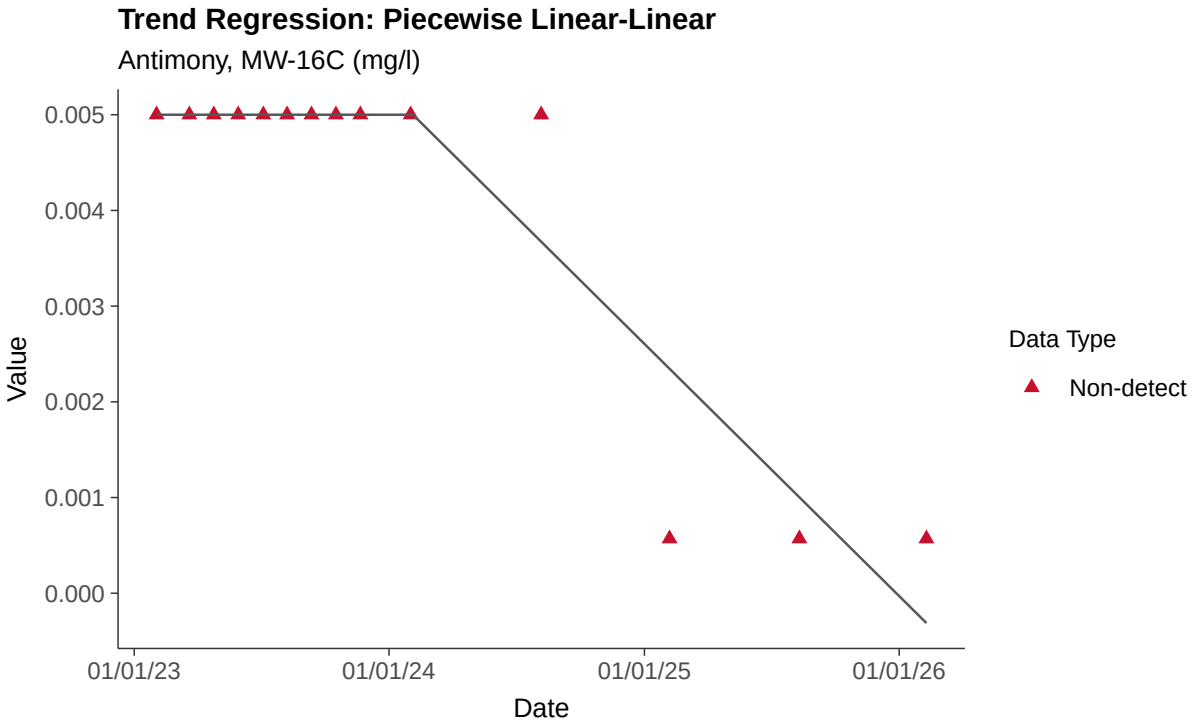
Antimony, MW-16C (mg/l)



Boxplot by Season

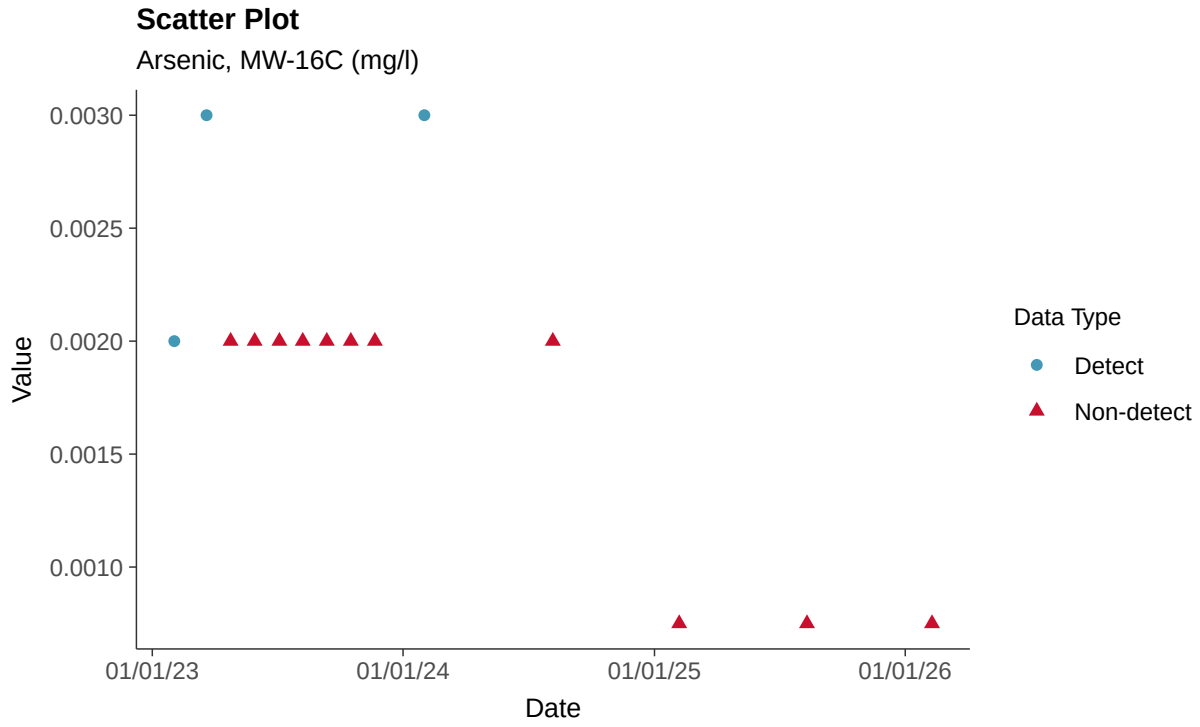
Antimony, MW-16C (mg/l)

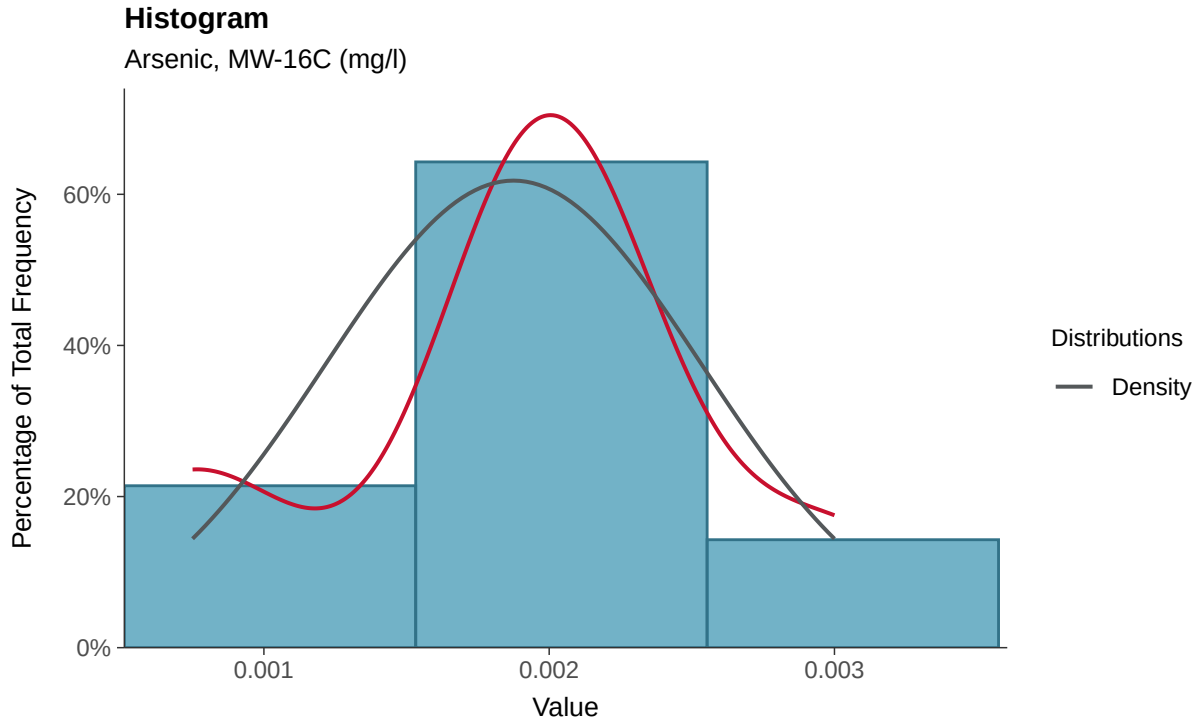



Trend Regression: Piecewise Linear-Linear
Antimony, MW-16C (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-16C

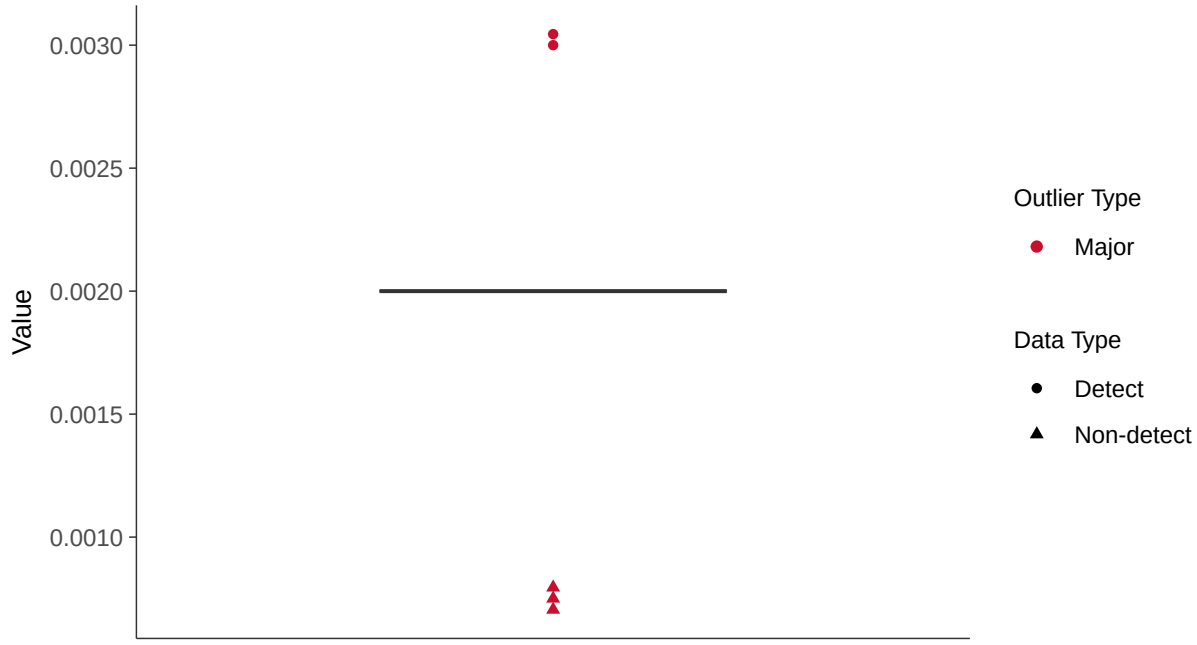
ID: 12_3_102





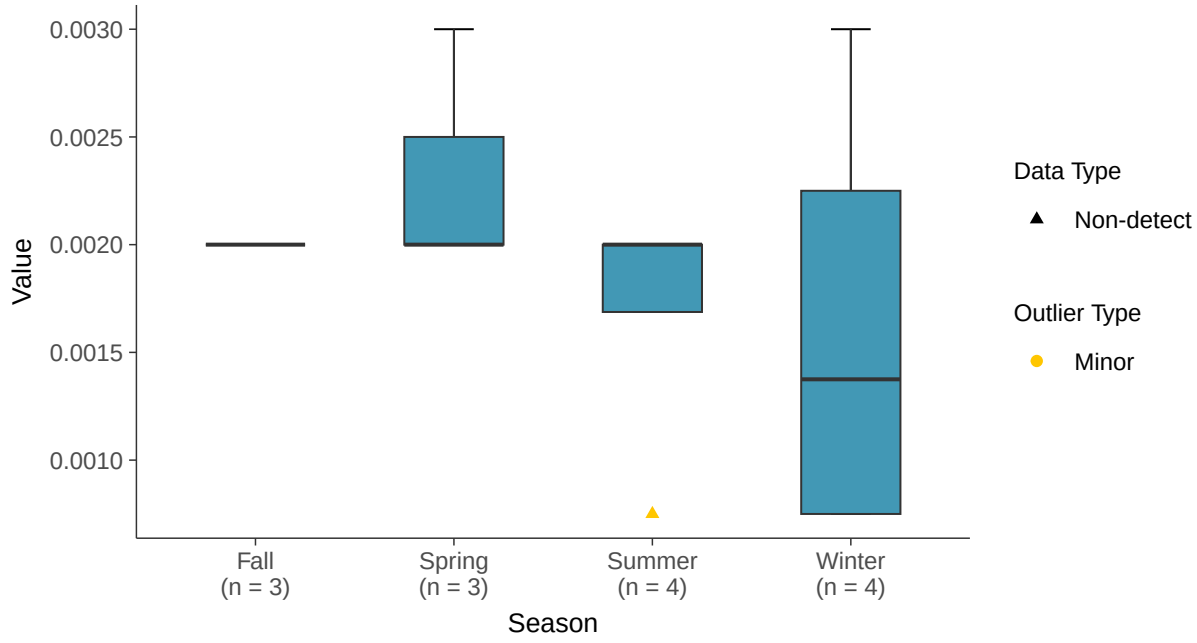
Boxplot

Arsenic, MW-16C (mg/l)



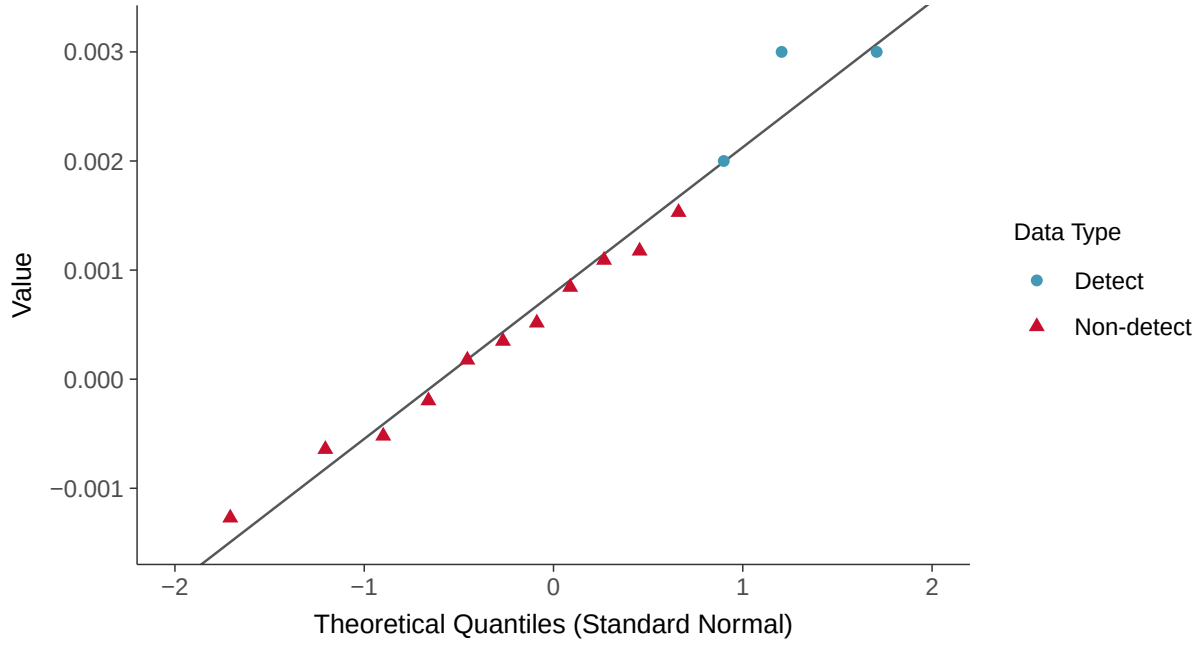
Boxplot by Season

Arsenic, MW-16C (mg/l)



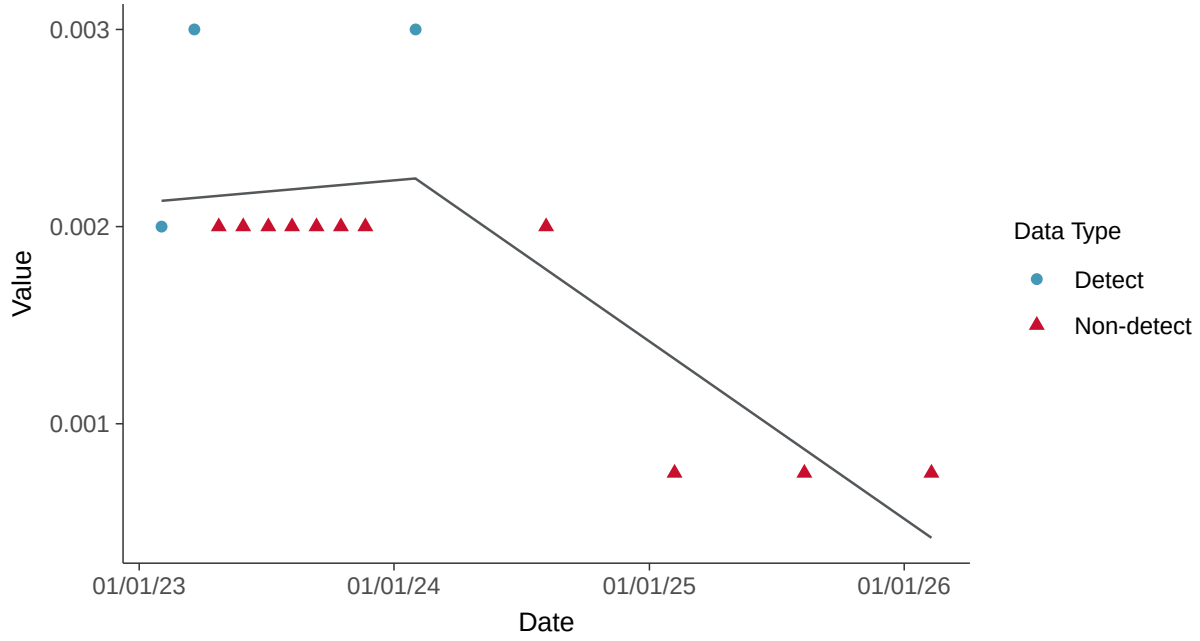
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-16C (mg/l)



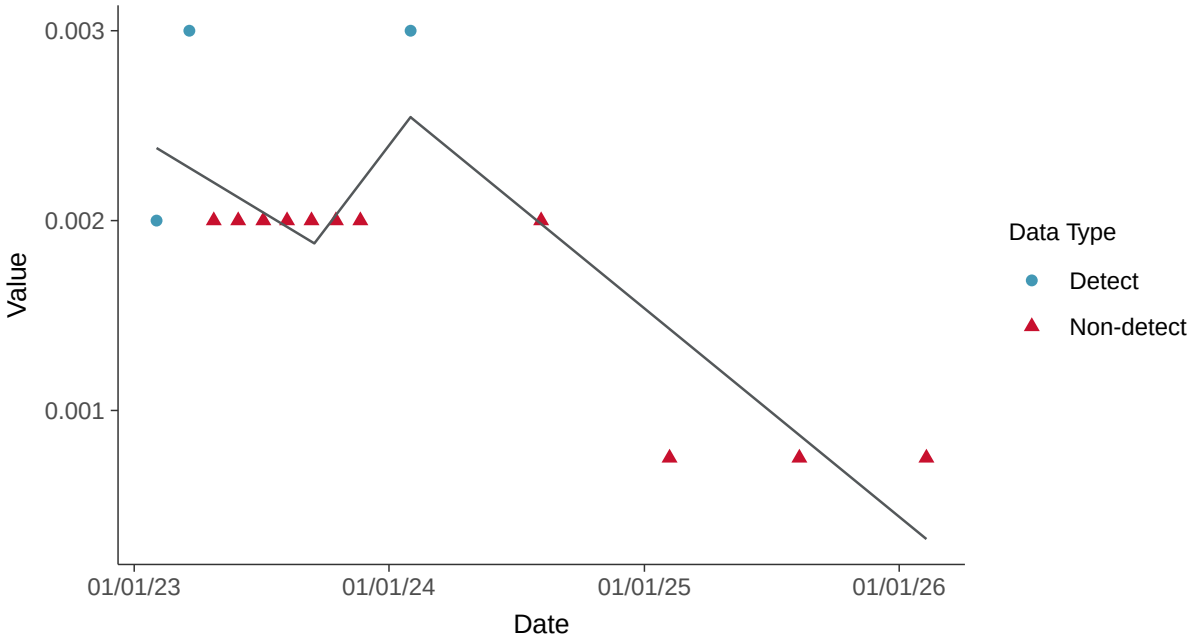
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-16C (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Arsenic, MW-16C (mg/l)

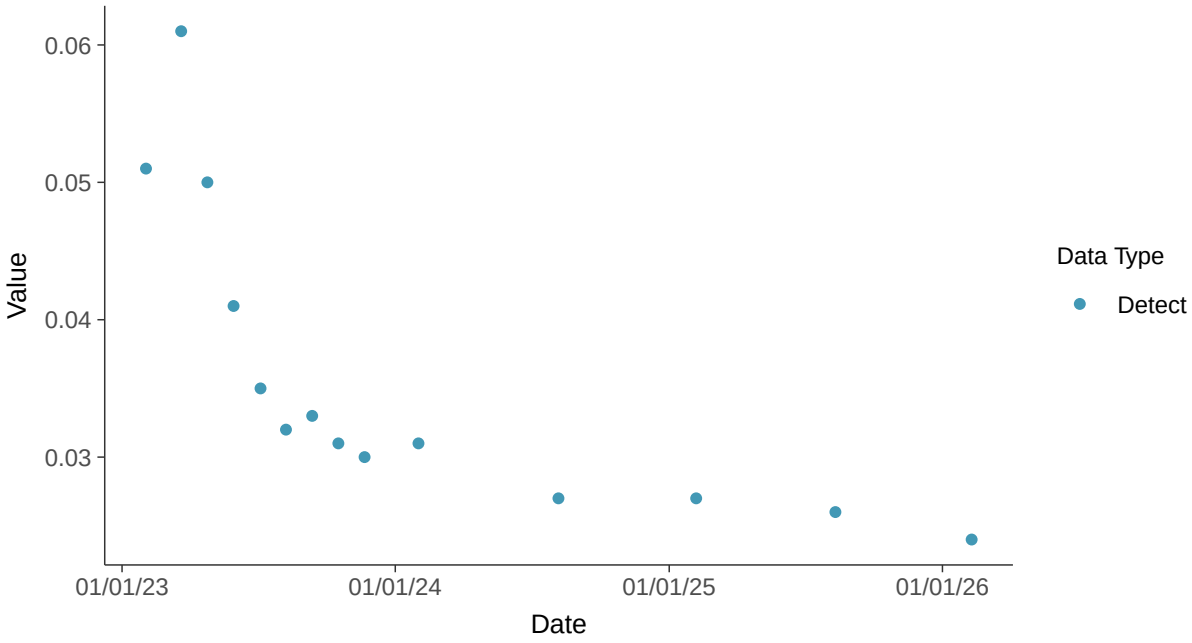


Appendix IV: Barium, MW-16C

ID: 12_3_103

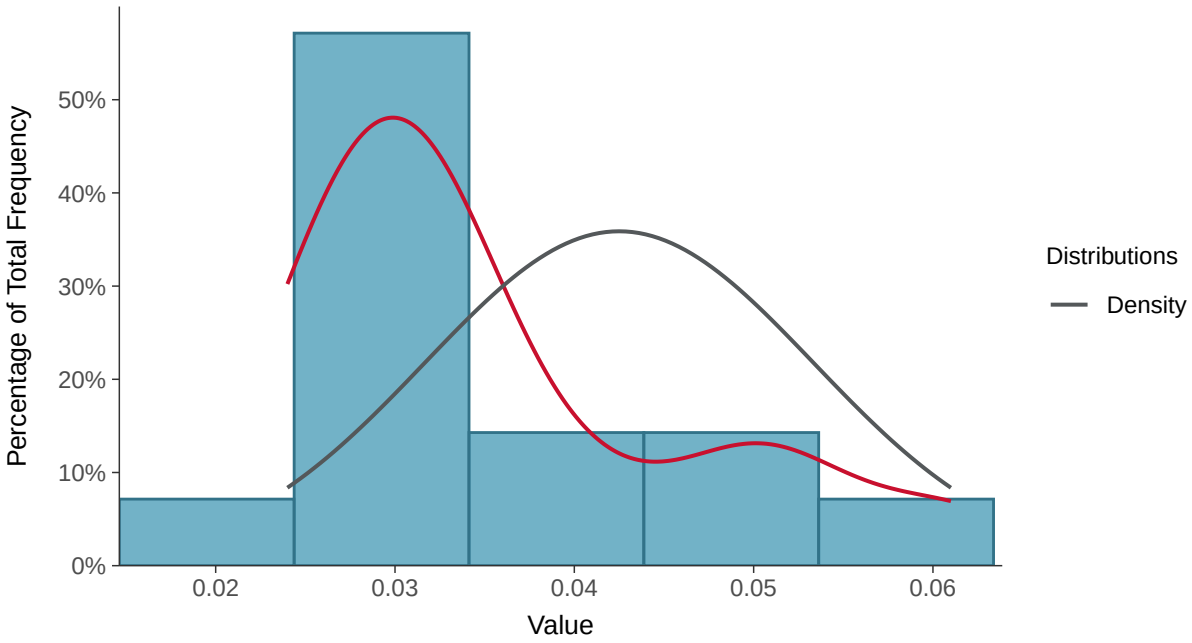
Scatter Plot

Barium, MW-16C (mg/l)



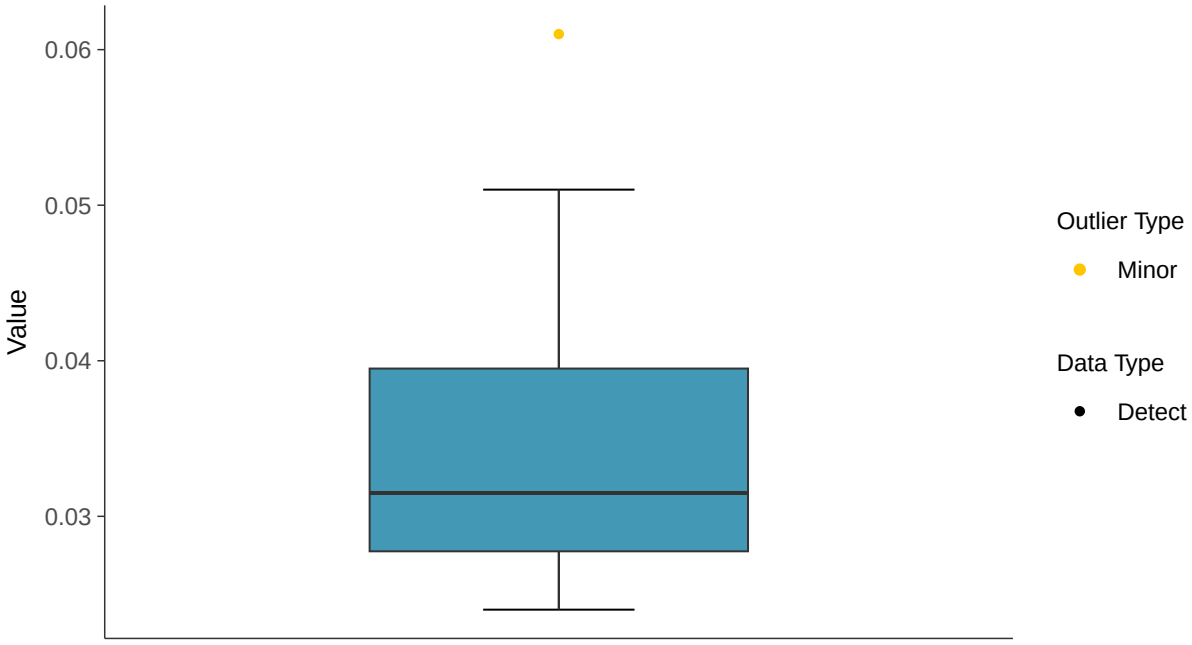
Histogram

Barium, MW-16C (mg/l)



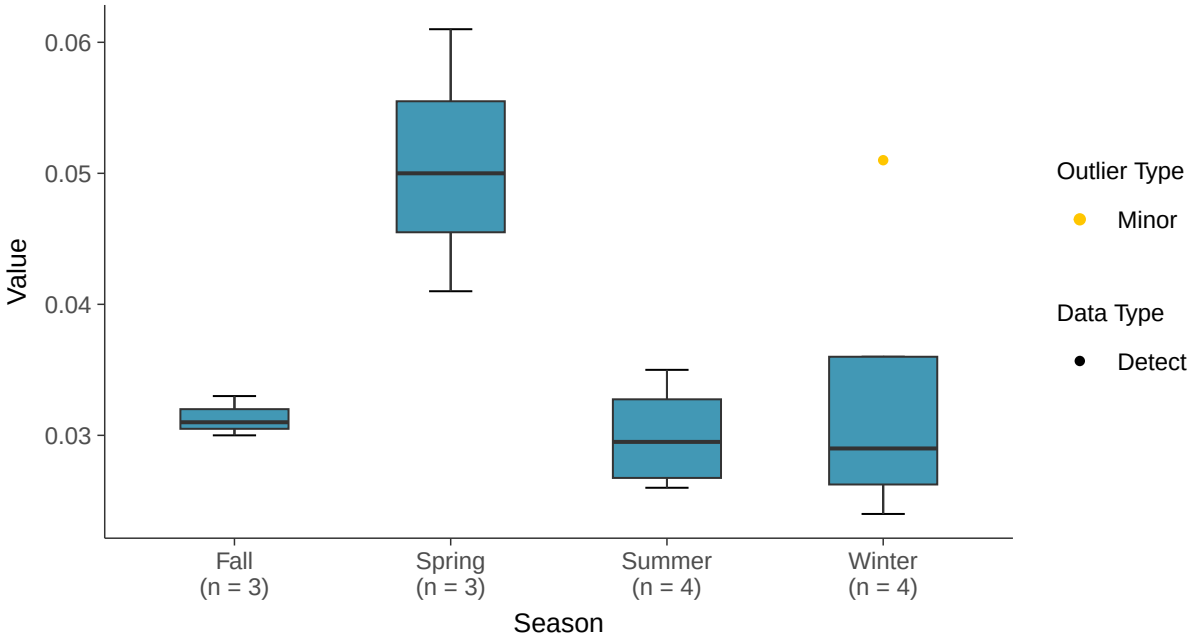
Boxplot

Barium, MW-16C (mg/l)



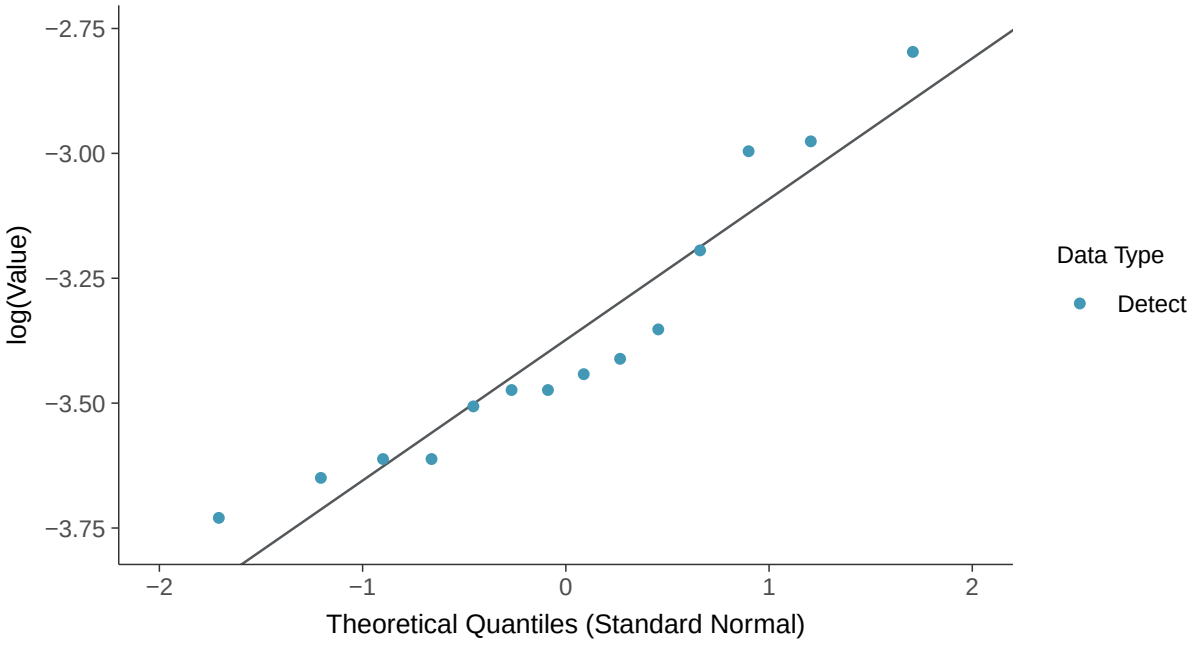
Boxplot by Season

Barium, MW-16C (mg/l)



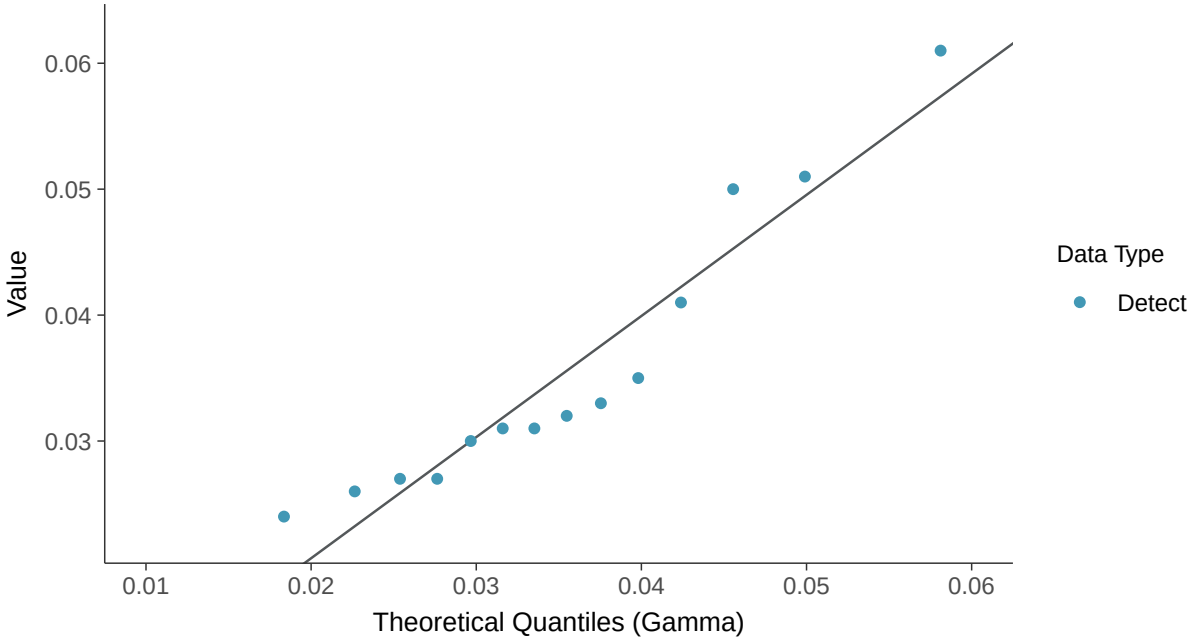
Lognormal Q-Q plot

Barium, MW-16C (mg/l)



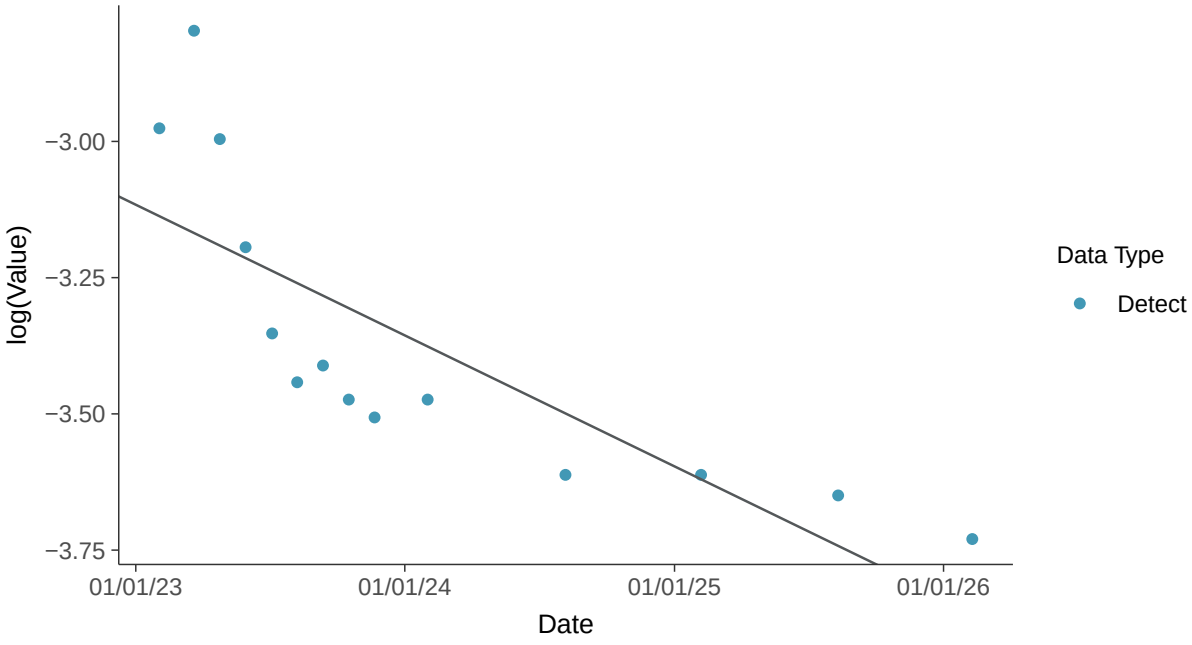
Gamma Q-Q plot

Barium, MW-16C (mg/l)



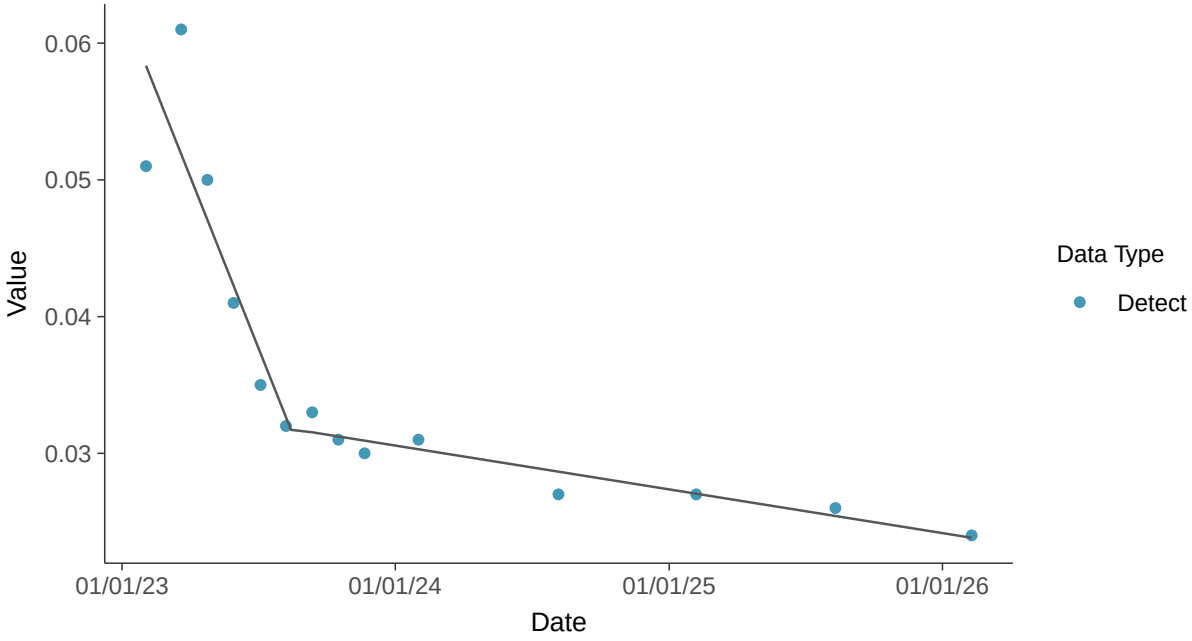
Trend Regression: Lognormal MLE

Barium, MW-16C (mg/l)



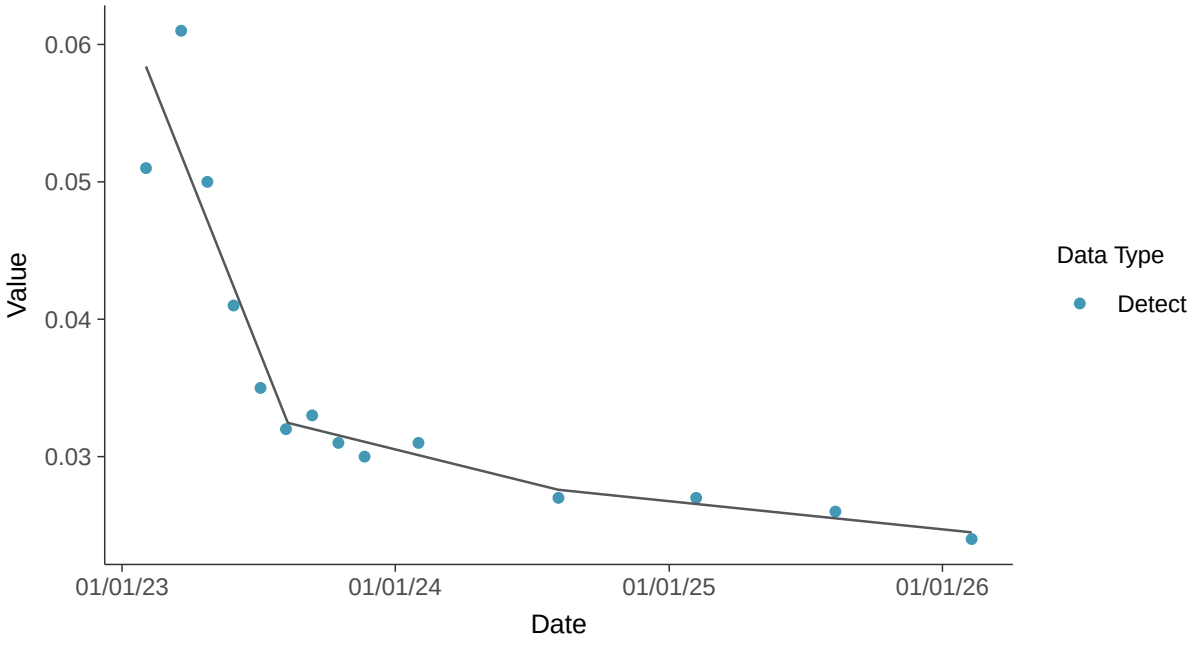
Trend Regression: Piecewise Linear-Linear

Barium, MW-16C (mg/l)



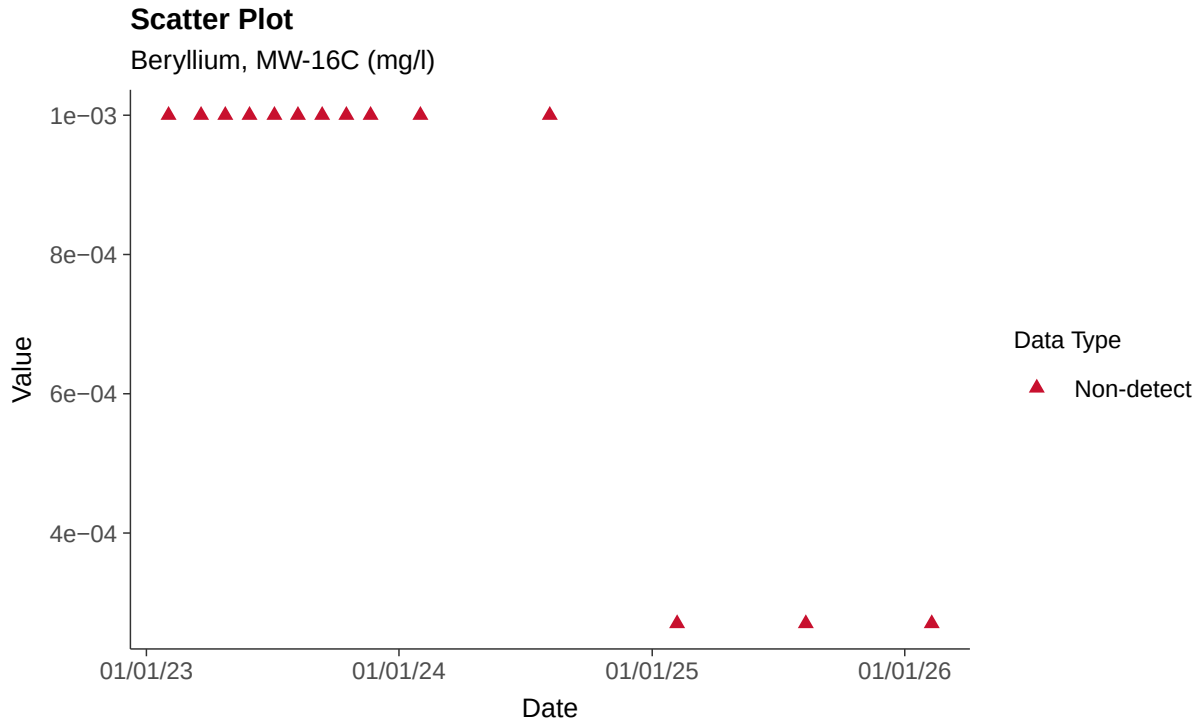
Trend Regression: Piecewise Linear-Linear-Linear

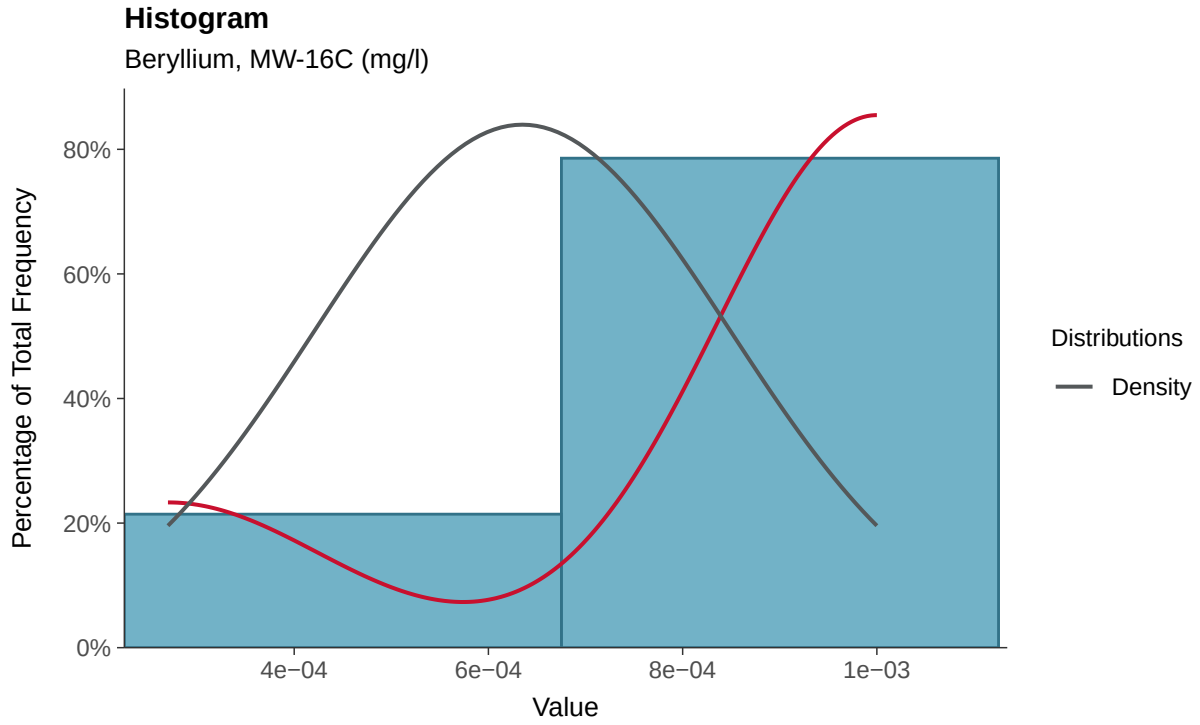
Barium, MW-16C (mg/l)



Appendix IV: Beryllium, MW-16C

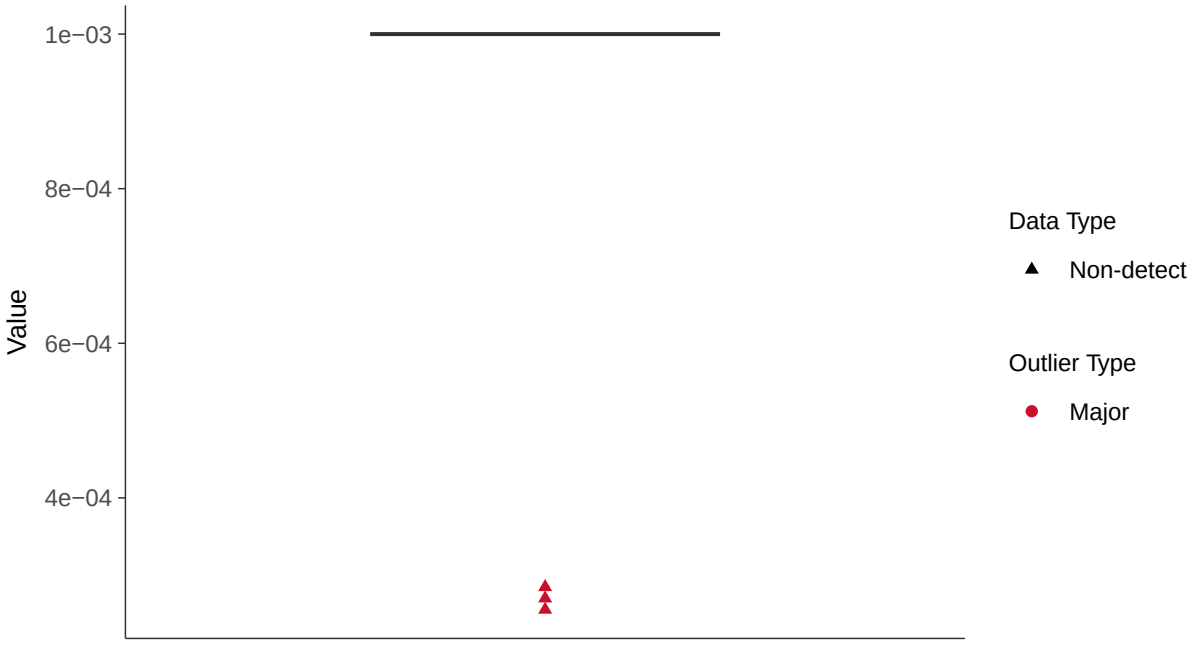
ID: 12_3_104





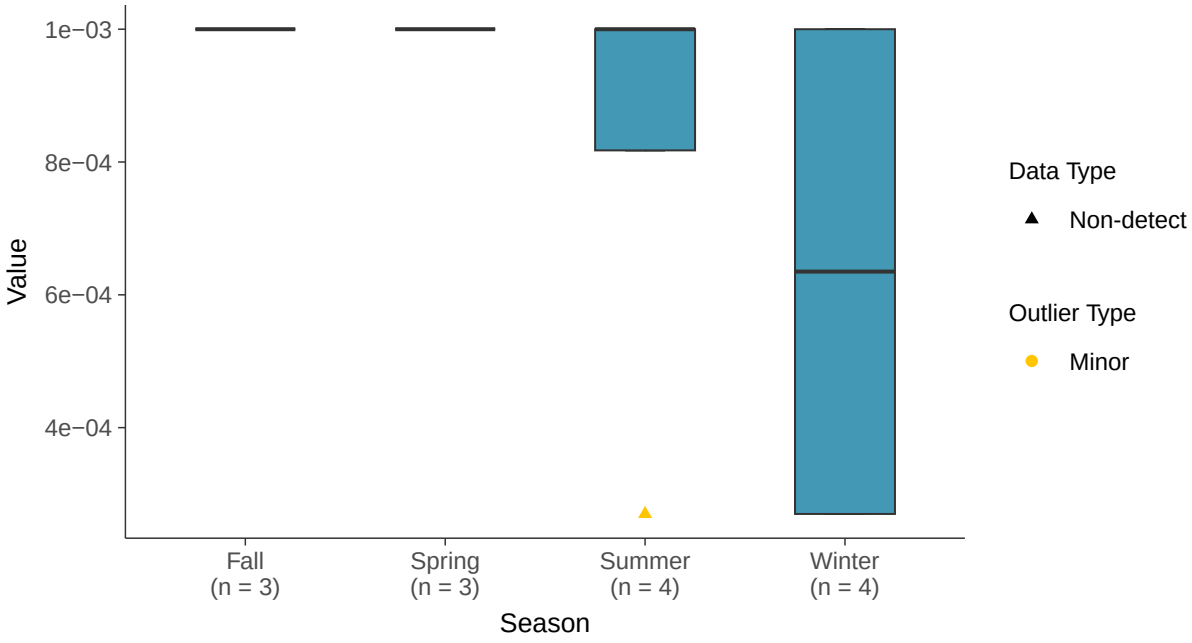
Boxplot

Beryllium, MW-16C (mg/l)



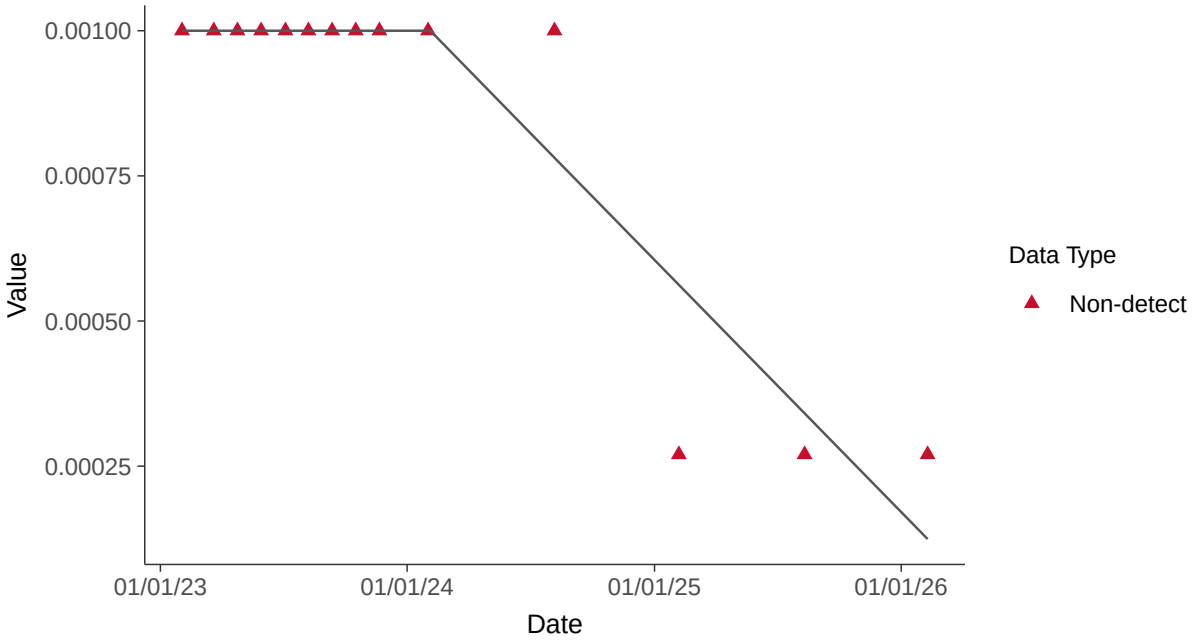
Boxplot by Season

Beryllium, MW-16C (mg/l)



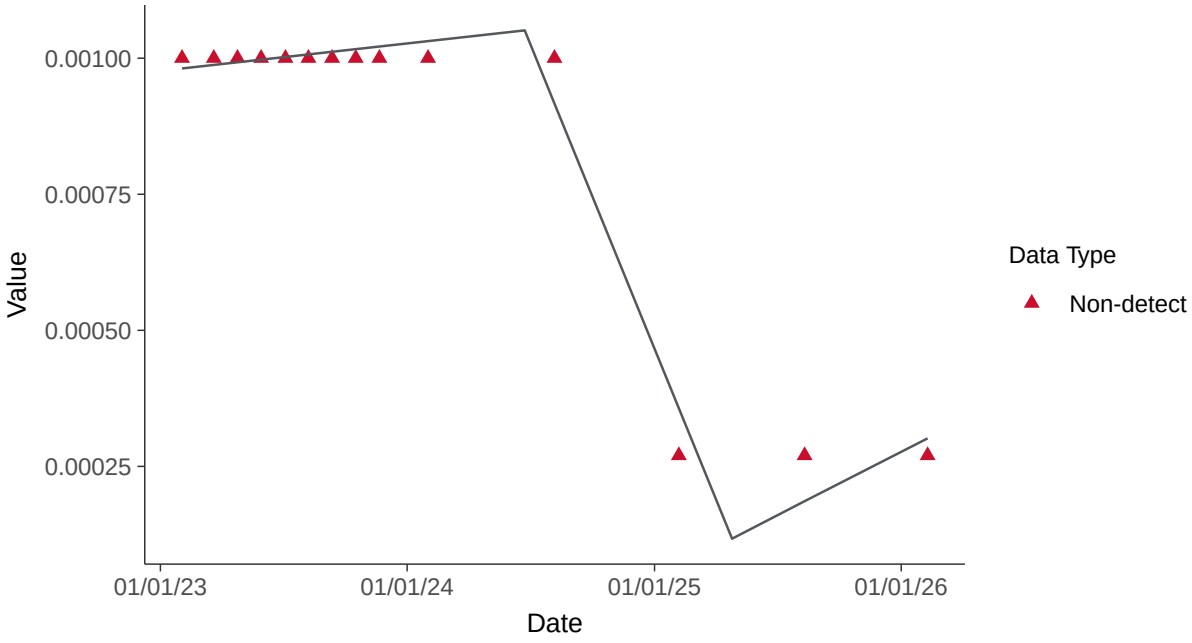
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-16C (mg/l)



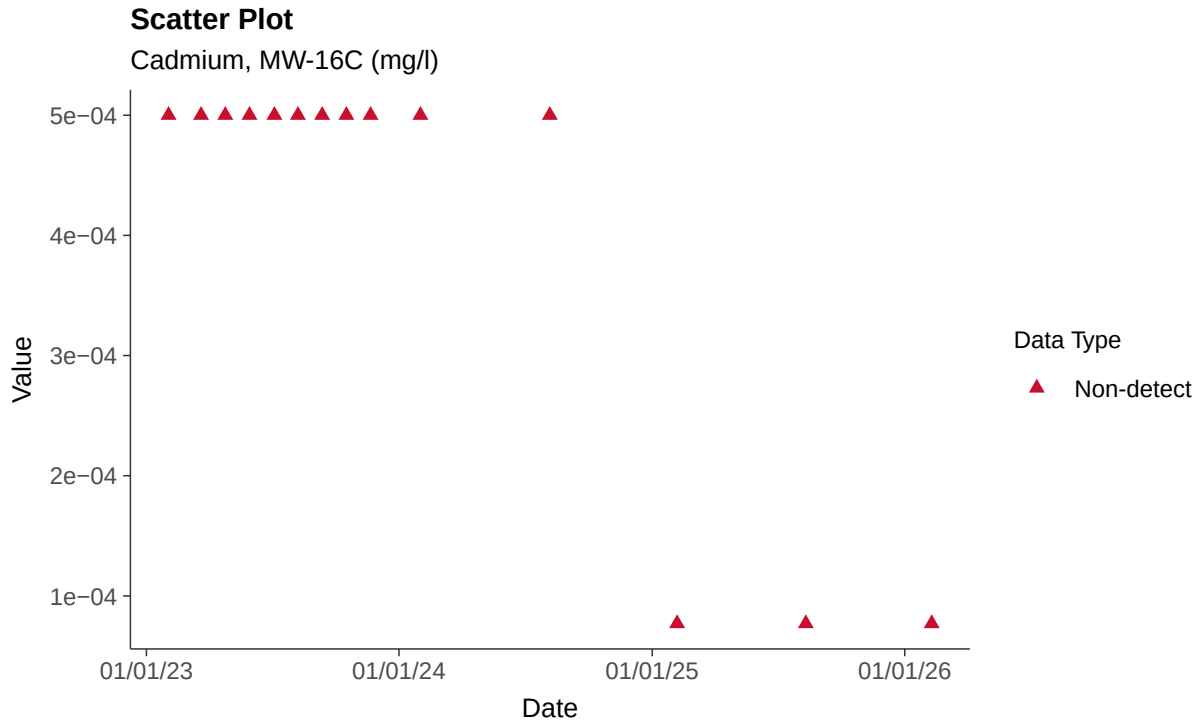
Trend Regression: Piecewise Linear-Linear-Linear

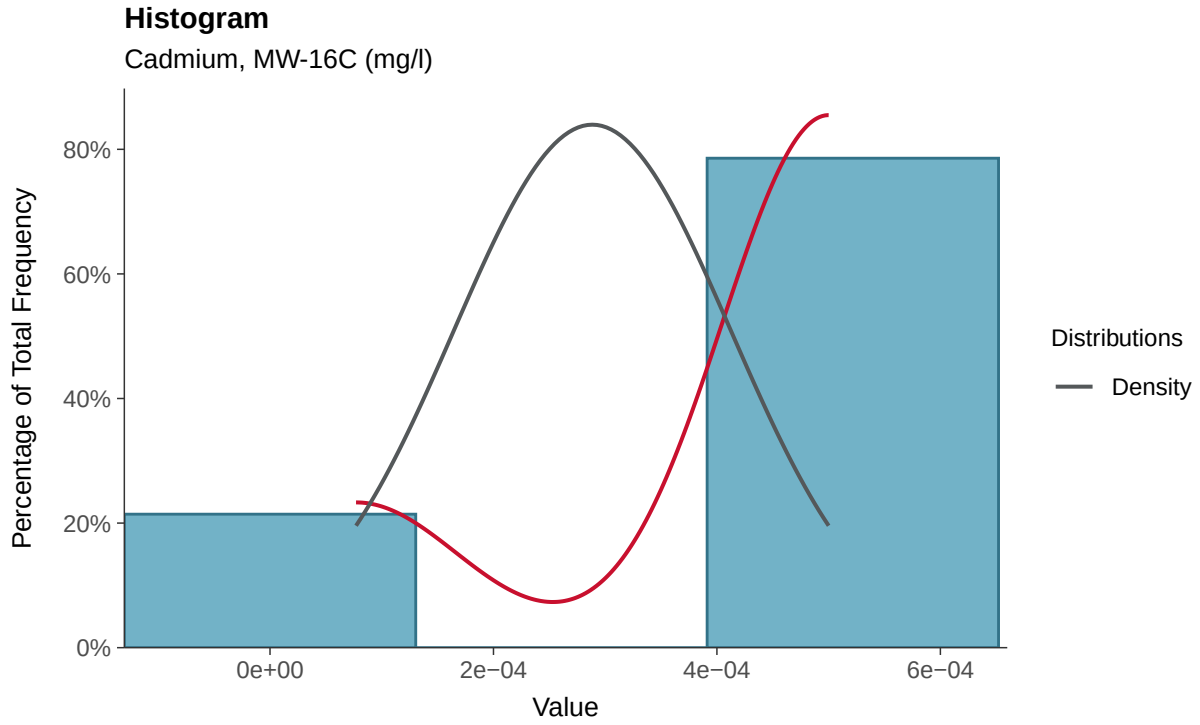
Beryllium, MW-16C (mg/l)



Appendix IV: Cadmium, MW-16C

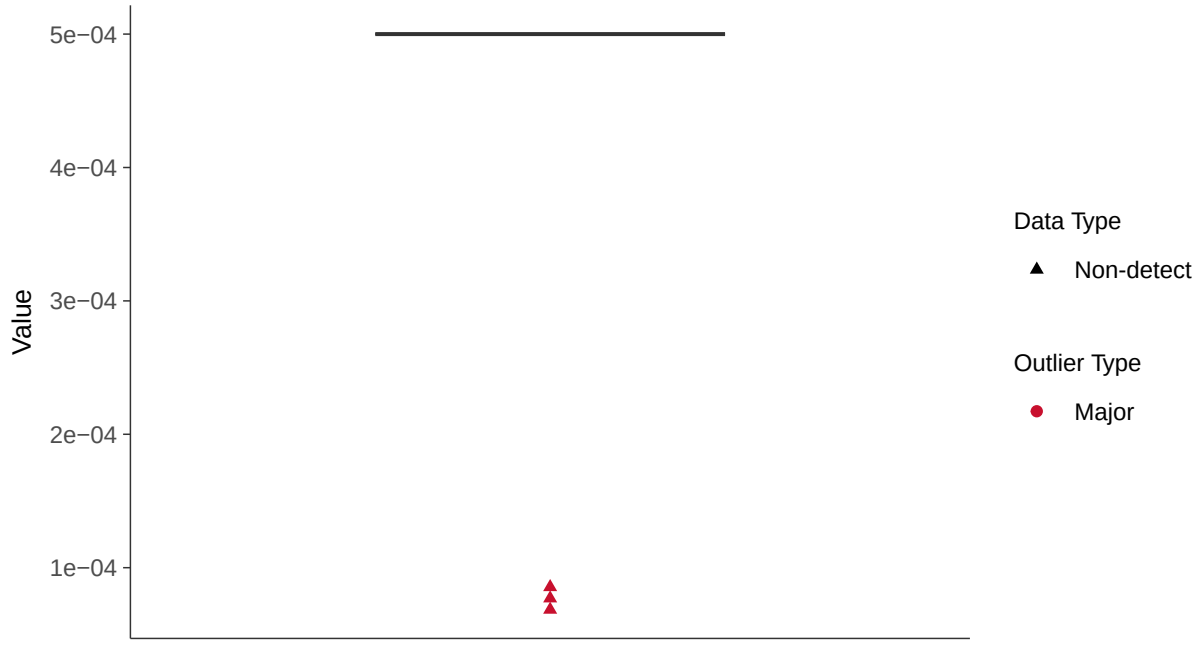
ID: 12_3_106





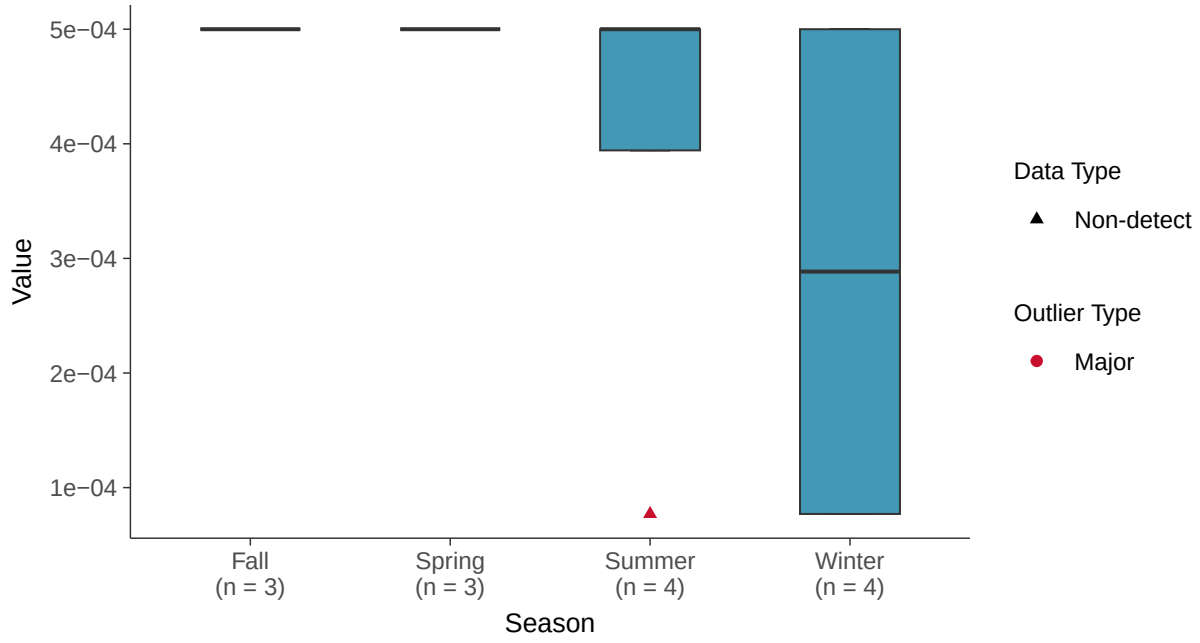
Boxplot

Cadmium, MW-16C (mg/l)



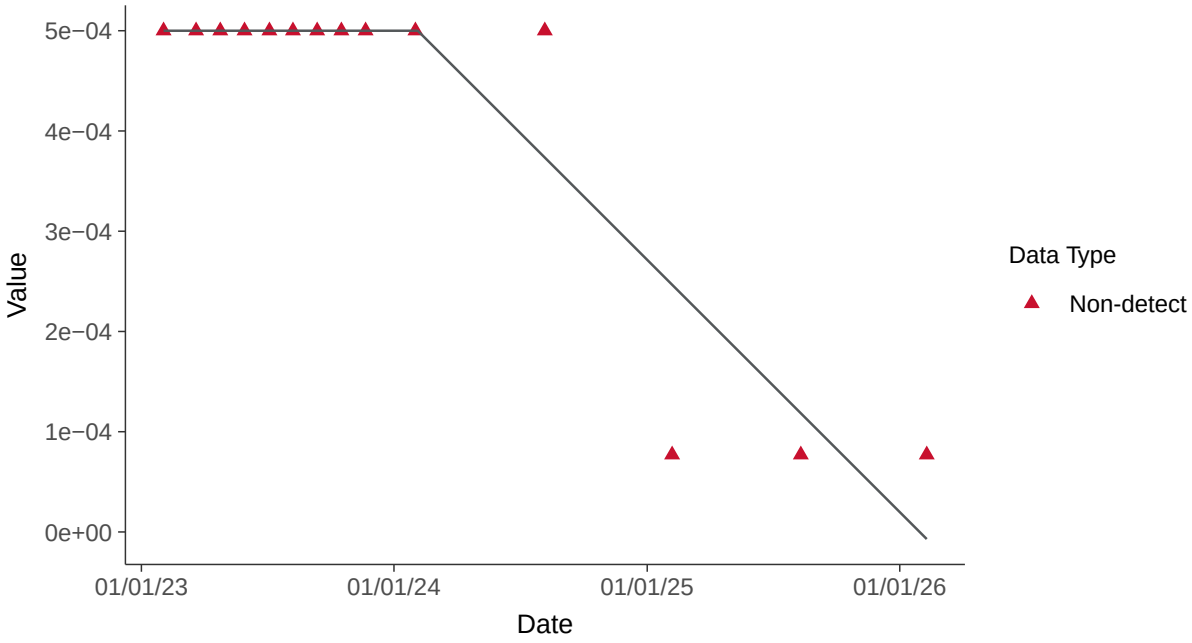
Boxplot by Season

Cadmium, MW-16C (mg/l)



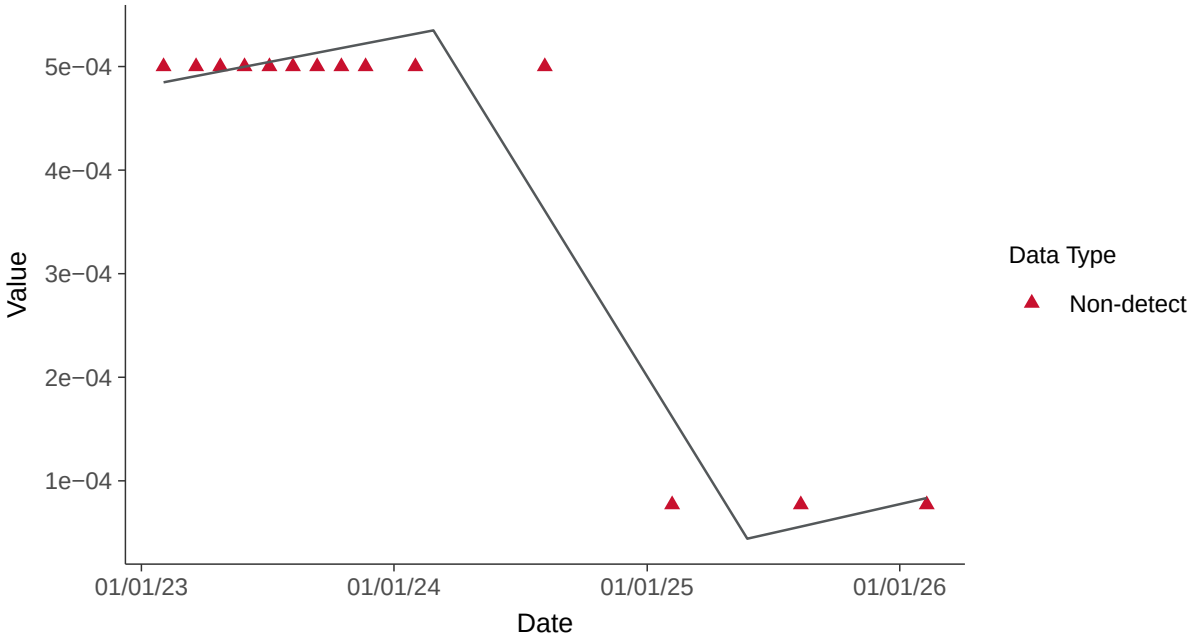
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-16C (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Cadmium, MW-16C (mg/l)

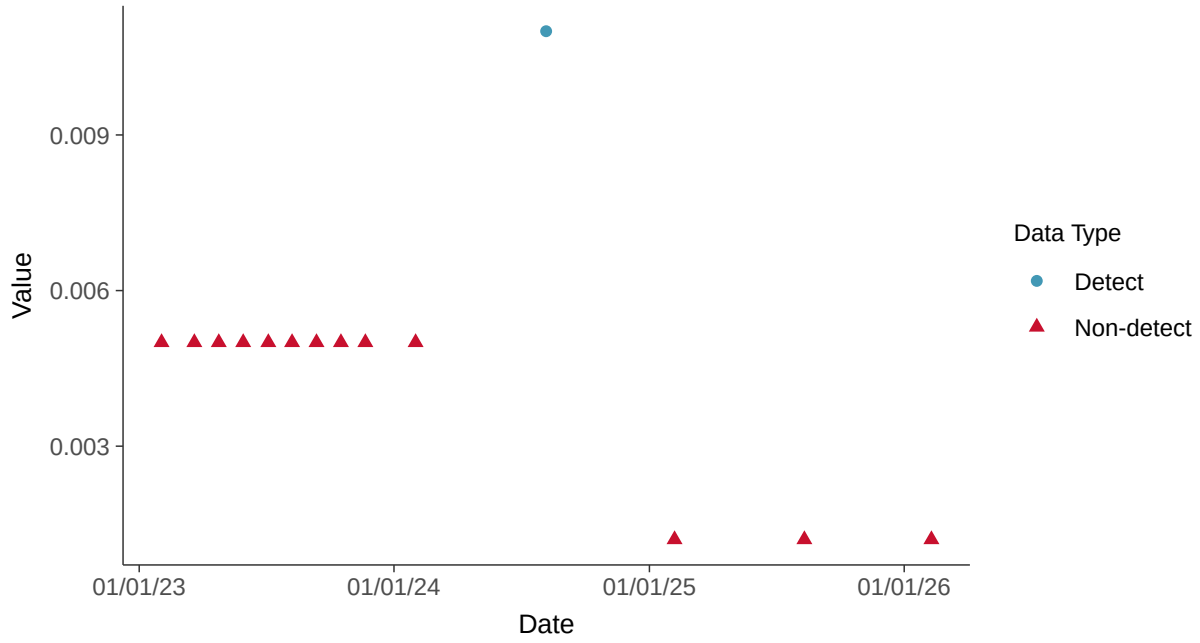


Appendix IV: Chromium, MW-16C

ID: 12_3_109

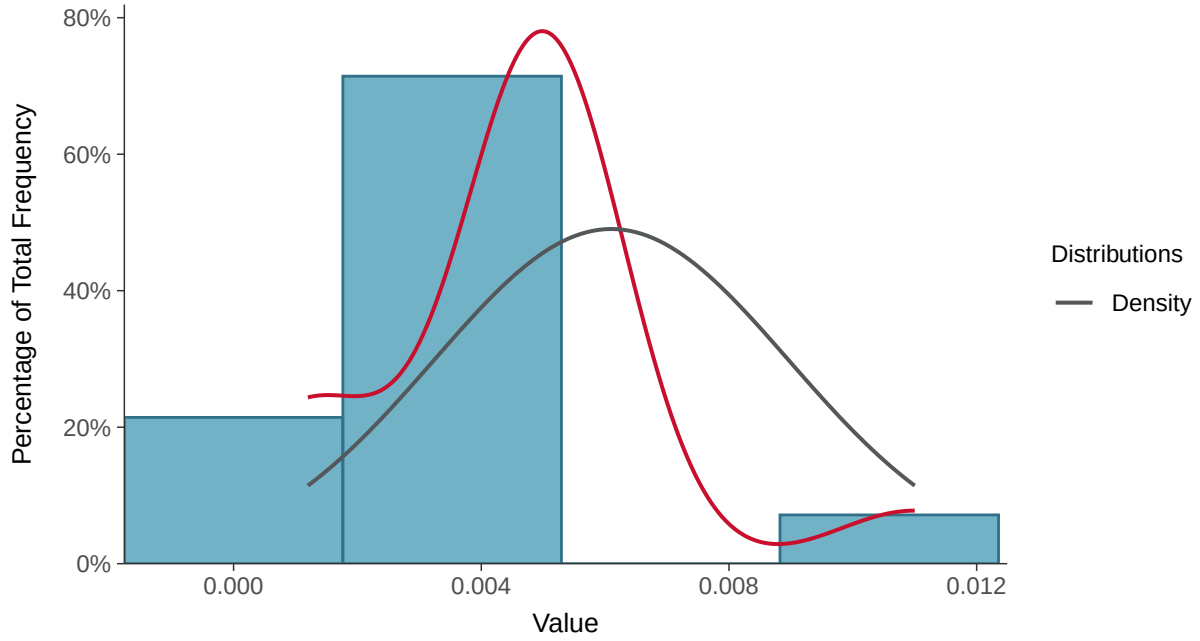
Scatter Plot

Chromium, MW-16C (mg/l)



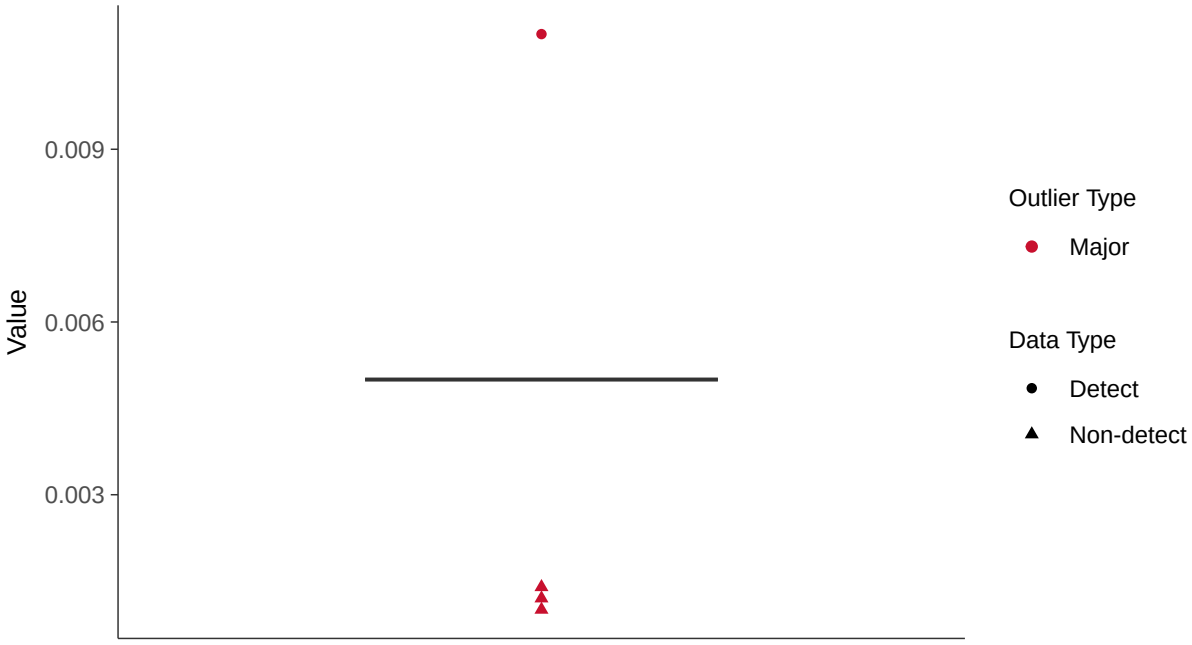
Histogram

Chromium, MW-16C (mg/l)



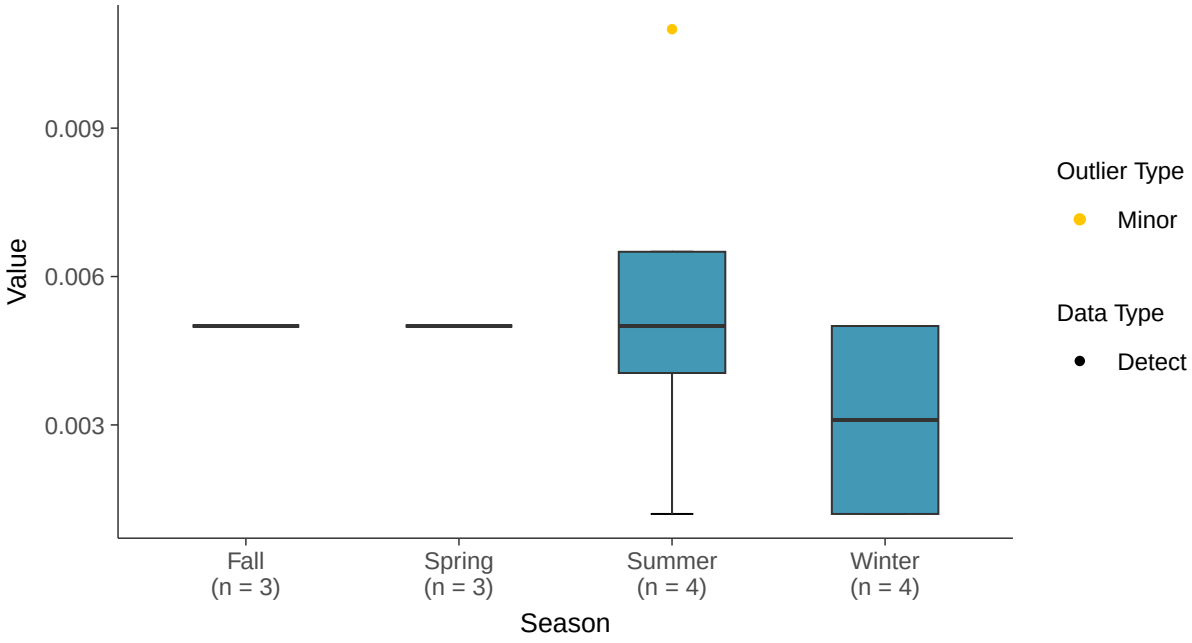
Boxplot

Chromium, MW-16C (mg/l)



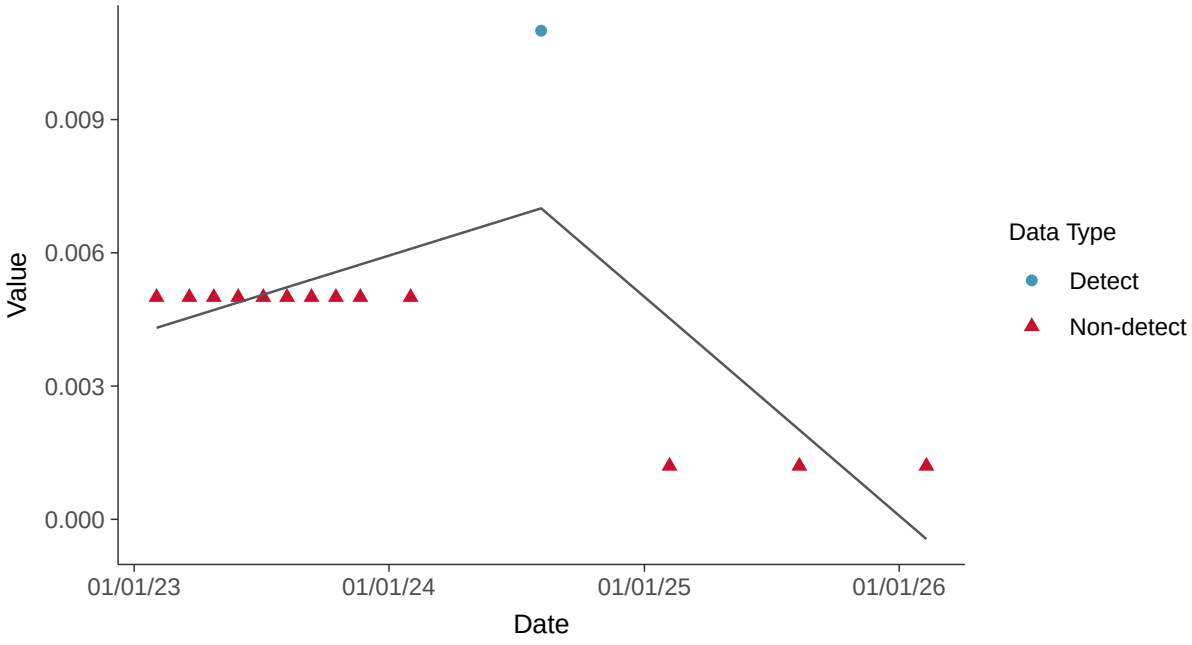
Boxplot by Season

Chromium, MW-16C (mg/l)



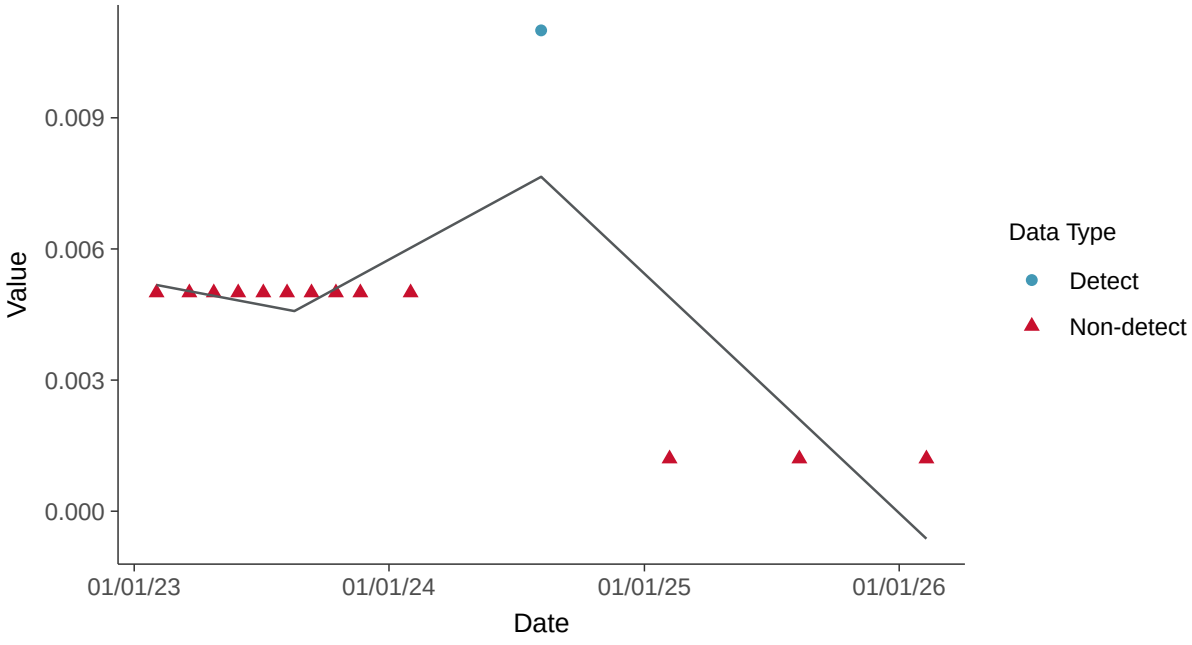
Trend Regression: Piecewise Linear-Linear

Chromium, MW-16C (mg/l)



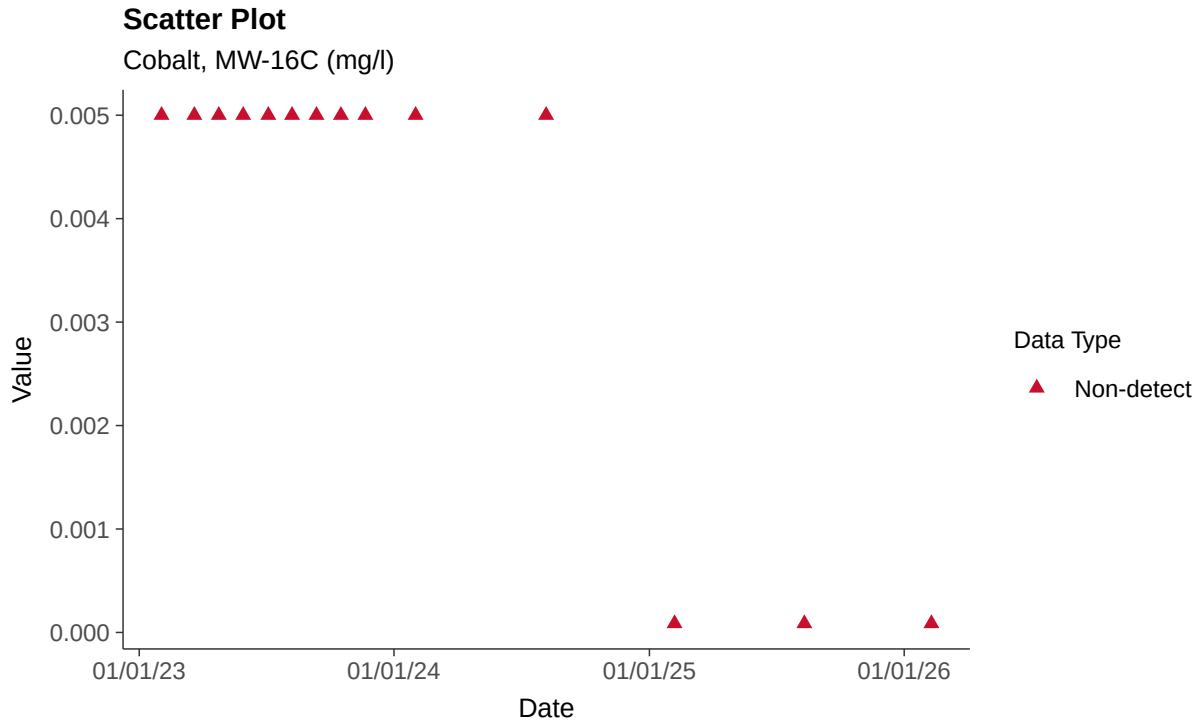
Trend Regression: Piecewise Linear-Linear-Linear

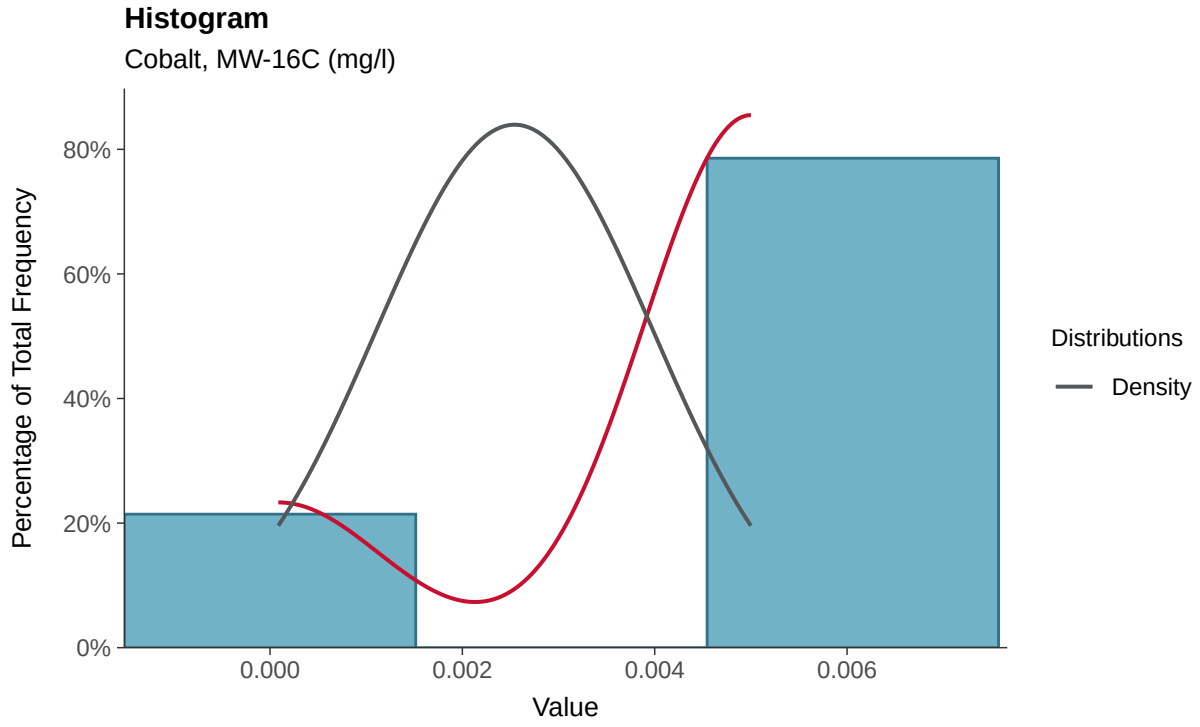
Chromium, MW-16C (mg/l)



Appendix IV: Cobalt, MW-16C

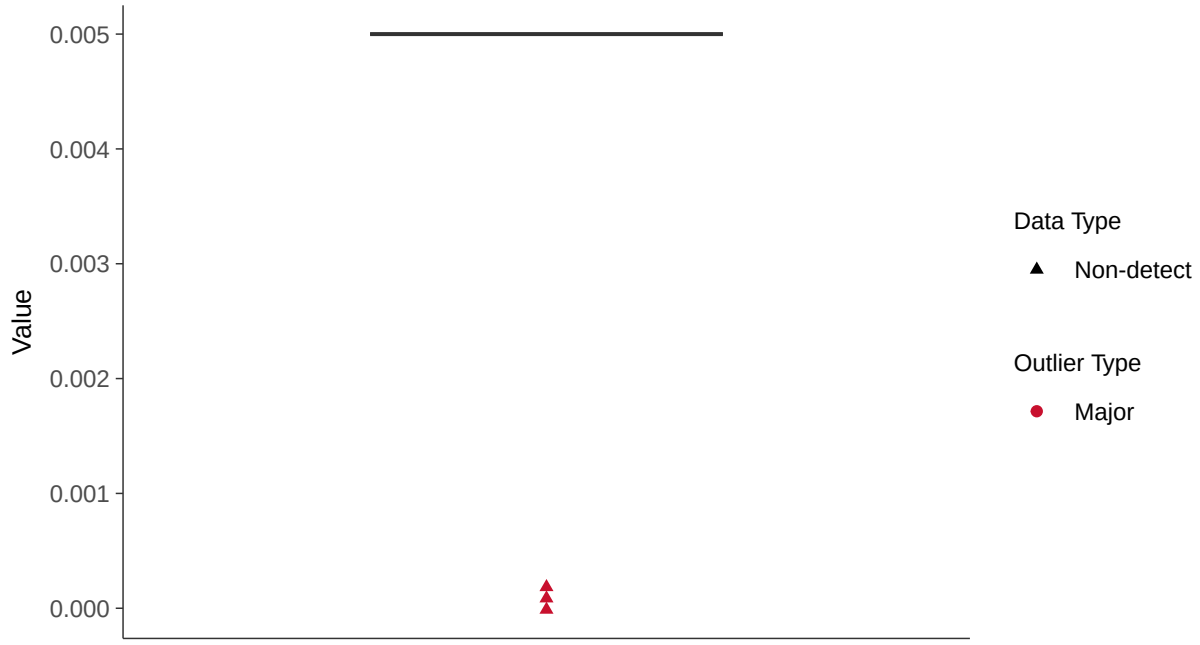
ID: 12_3_110





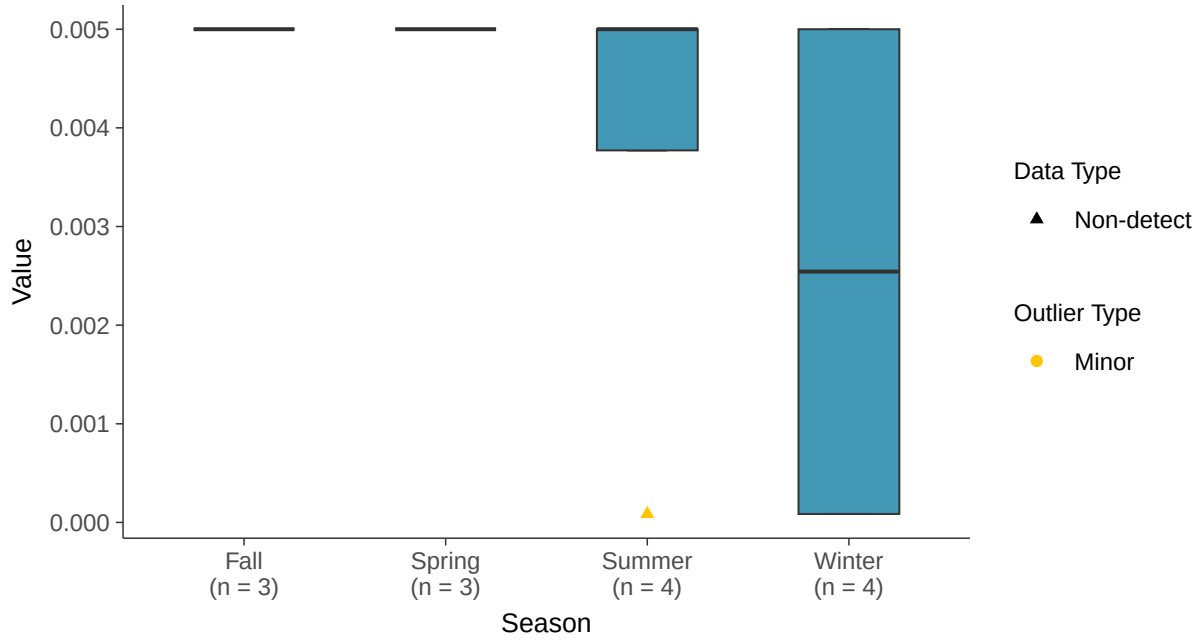
Boxplot

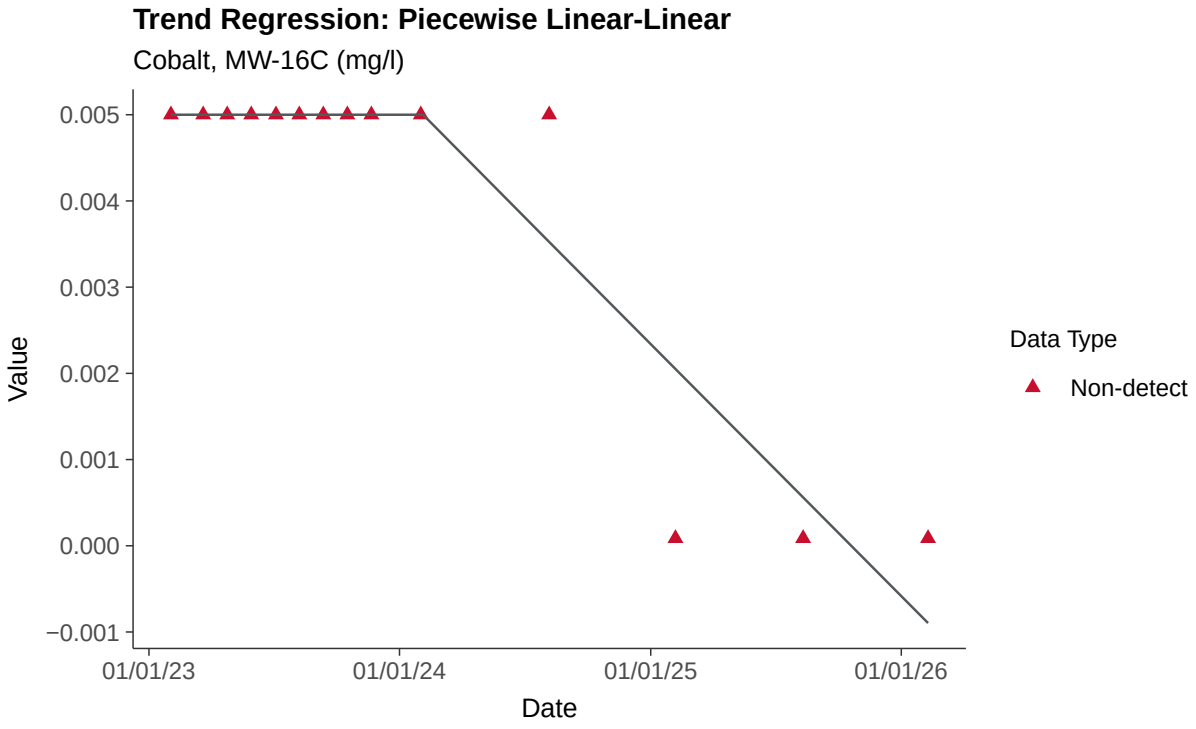
Cobalt, MW-16C (mg/l)



Boxplot by Season

Cobalt, MW-16C (mg/l)



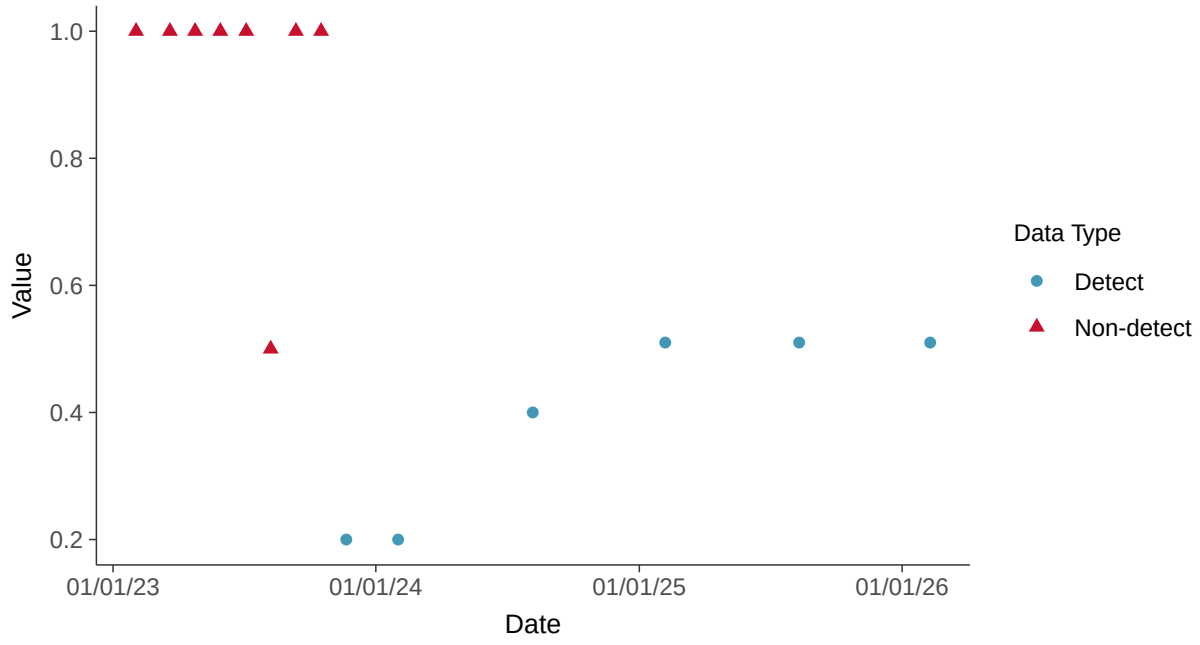

Trend Regression: Piecewise Linear-Linear
Cobalt, MW-16C (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
−0.001
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Fluoride (App IV), MW-16C

ID: 12_3_113

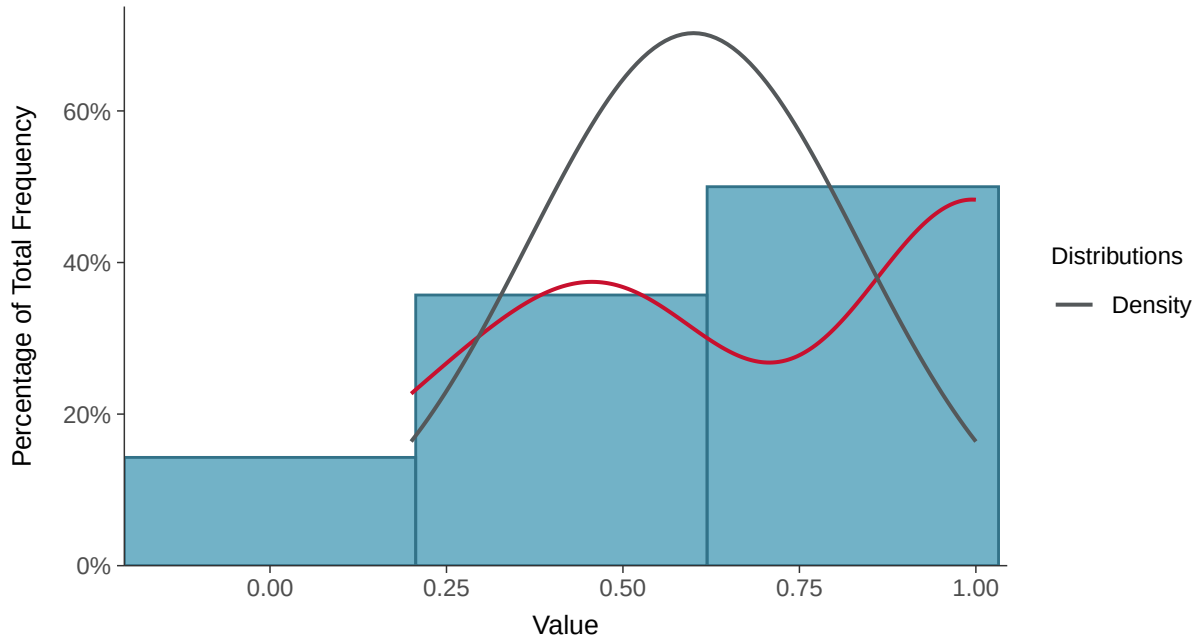
Scatter Plot

Fluoride (App IV), MW-16C (mg/l)



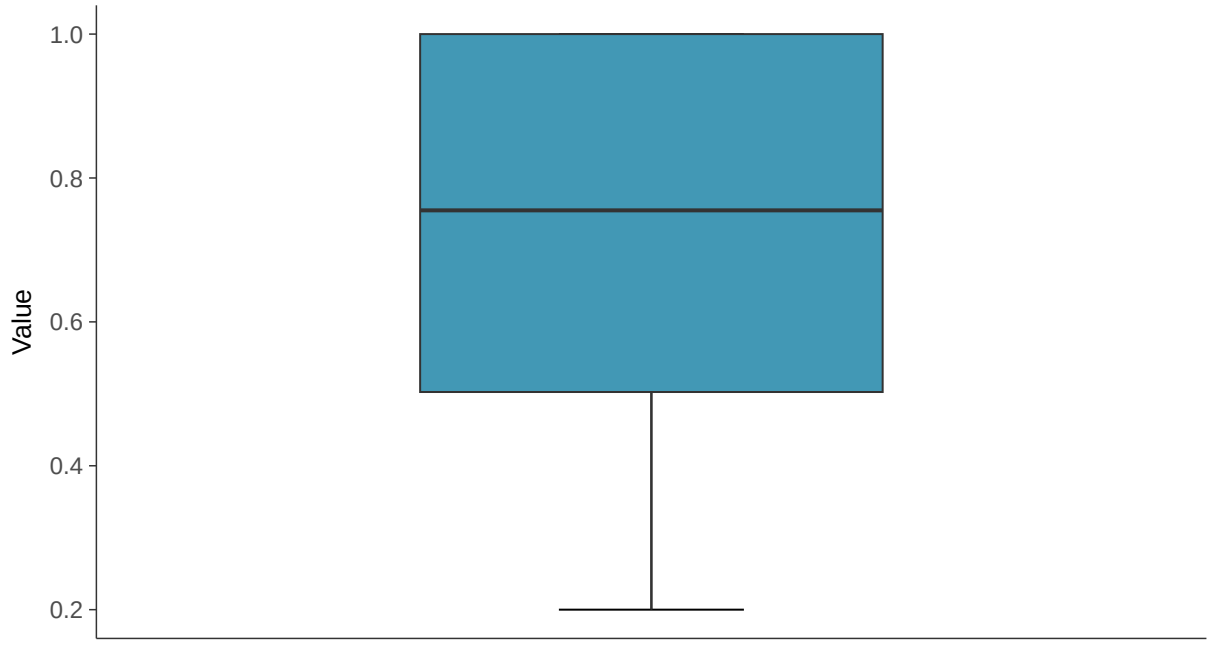
Histogram

Fluoride (App IV), MW-16C (mg/l)



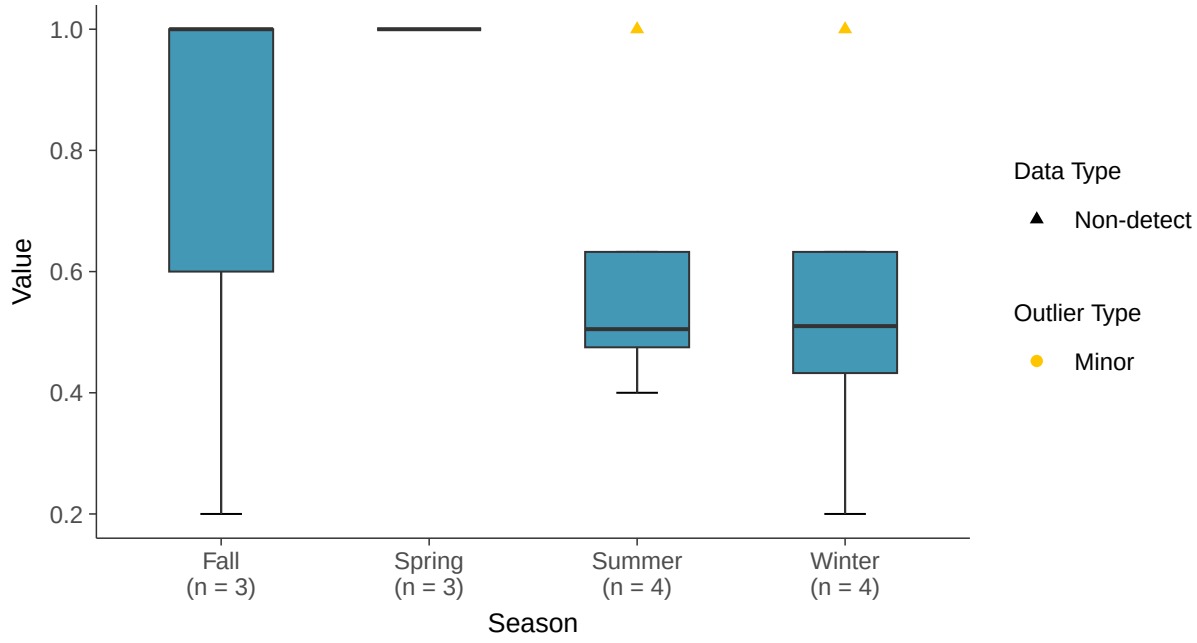
Boxplot

Fluoride (App IV), MW-16C (mg/l)



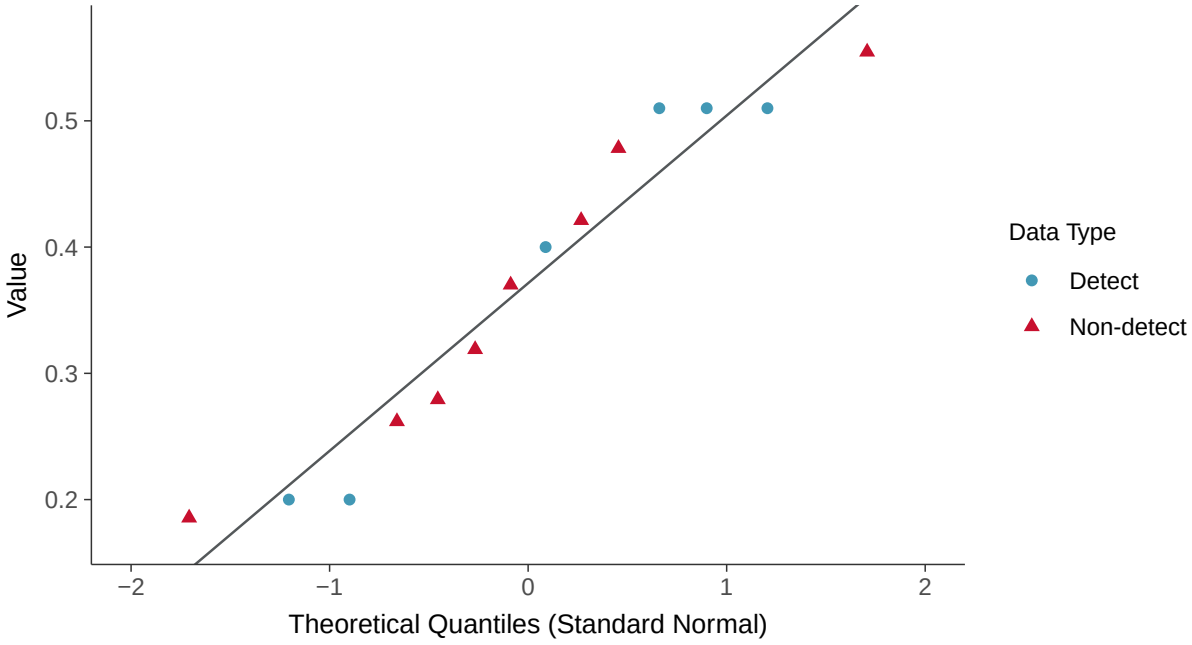
Boxplot by Season

Fluoride (App IV), MW-16C (mg/l)



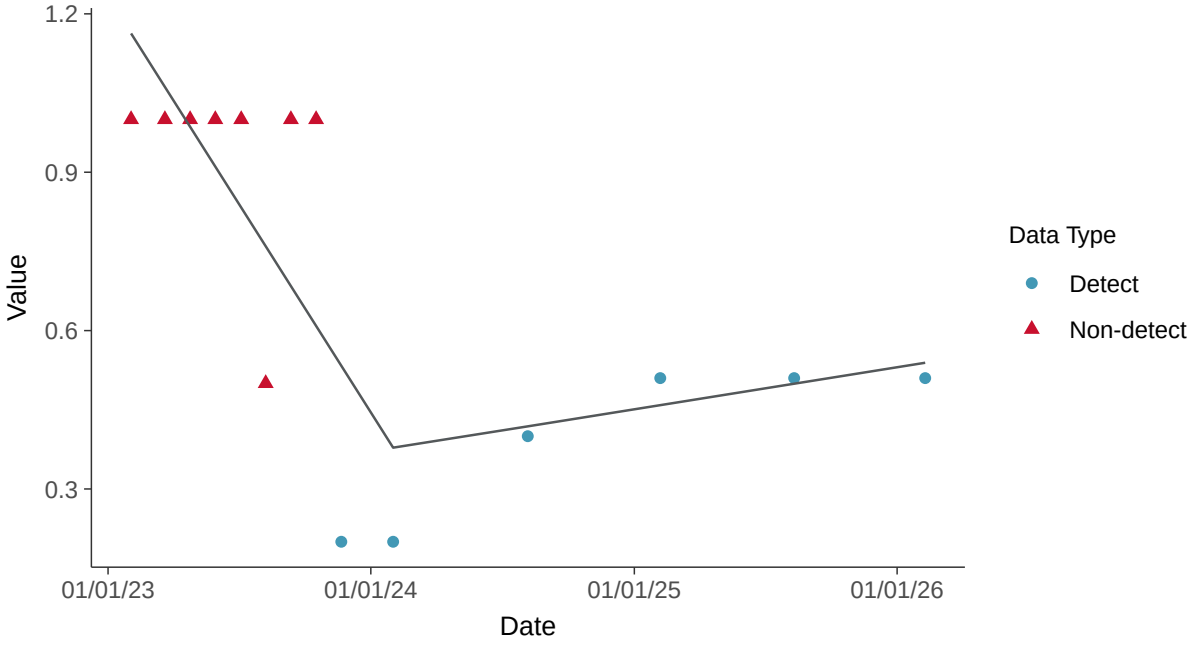
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-16C (mg/l)



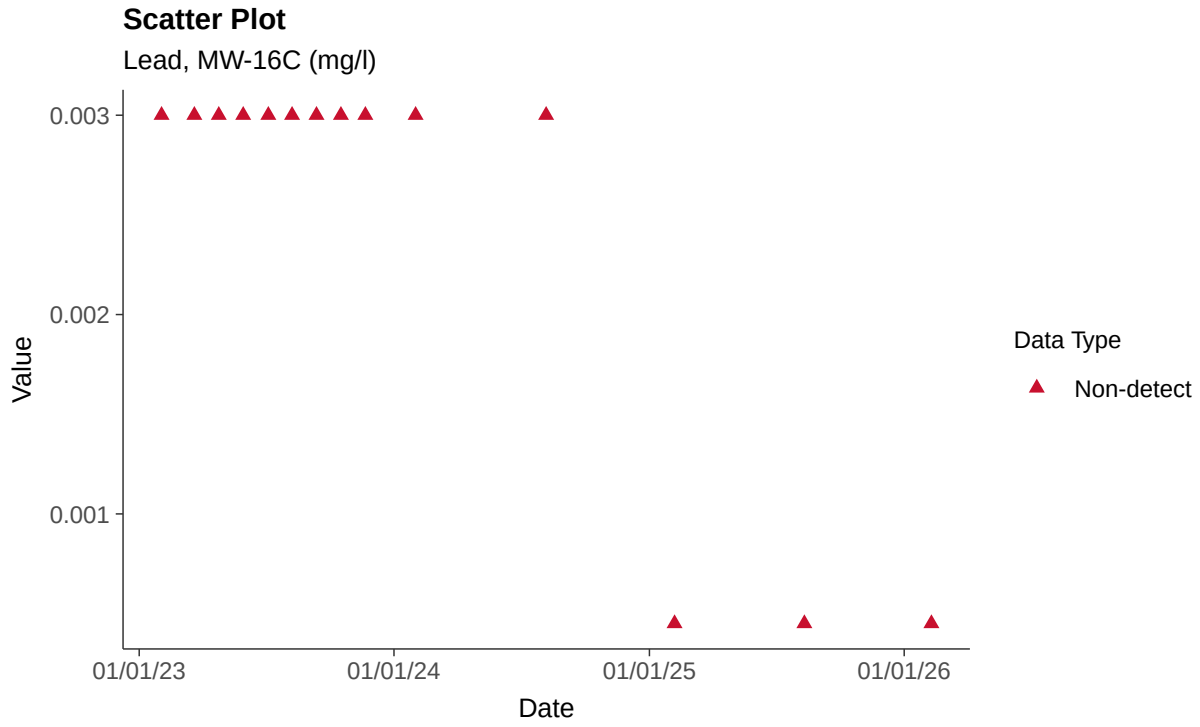
Trend Regression: Piecewise Linear-Linear

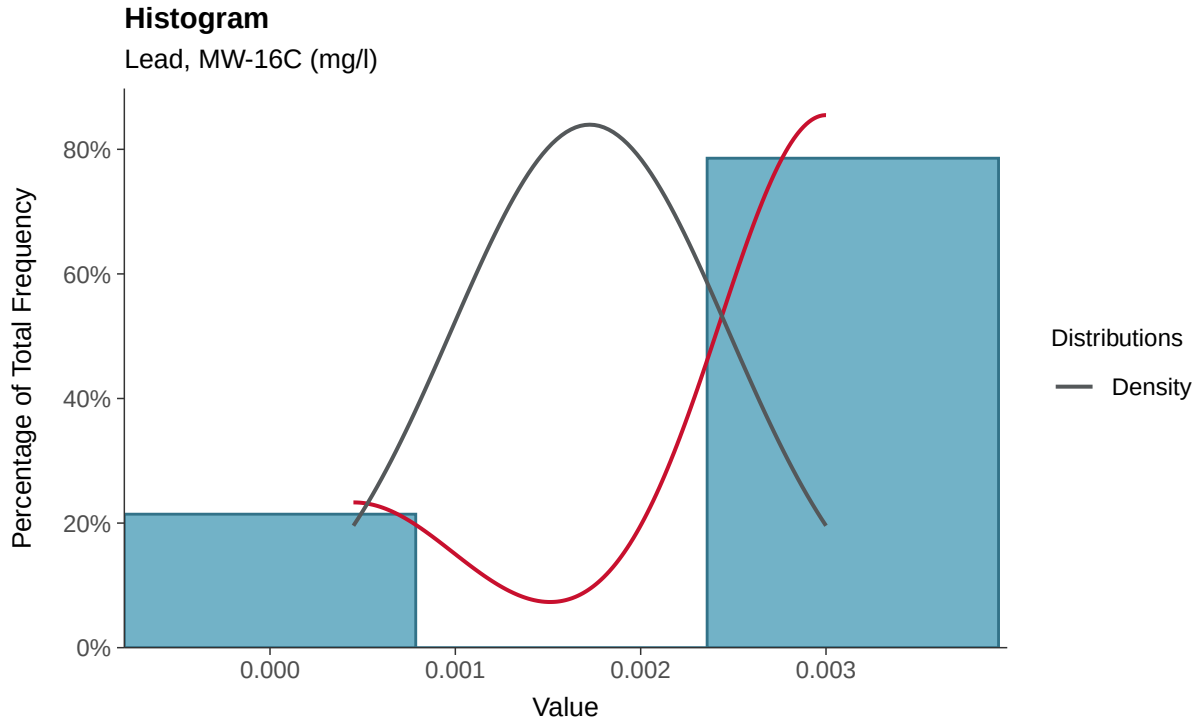
Fluoride (App IV), MW-16C (mg/l)



Appendix IV: Lead, MW-16C

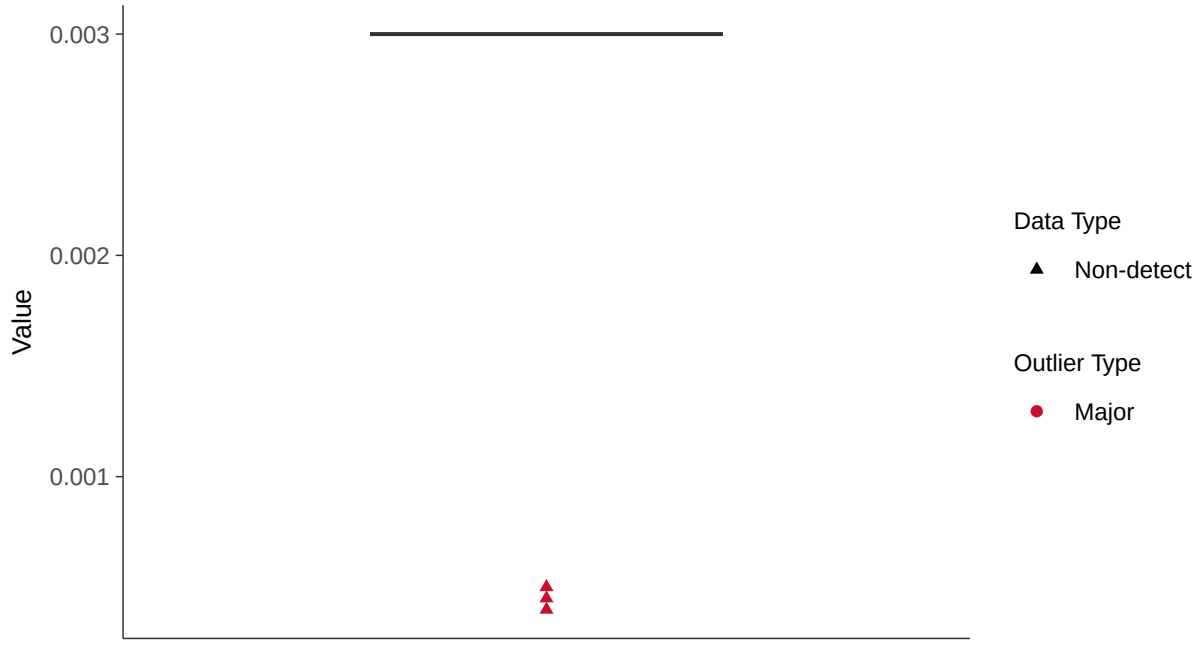
ID: 12_3_115





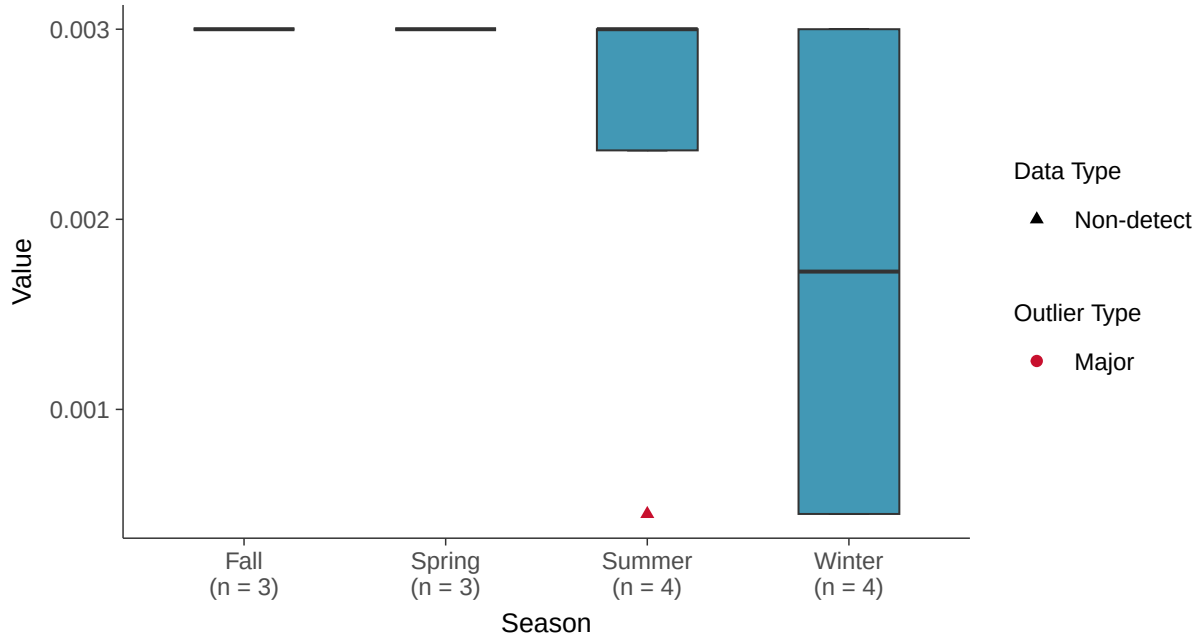
Boxplot

Lead, MW-16C (mg/l)



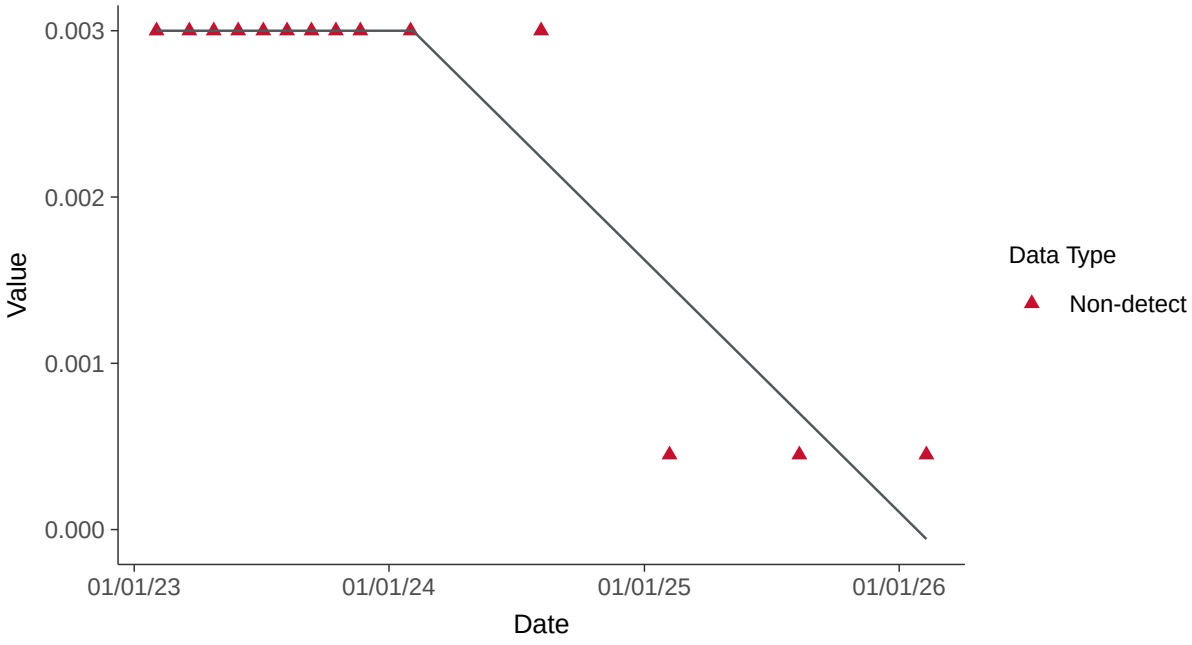
Boxplot by Season

Lead, MW-16C (mg/l)



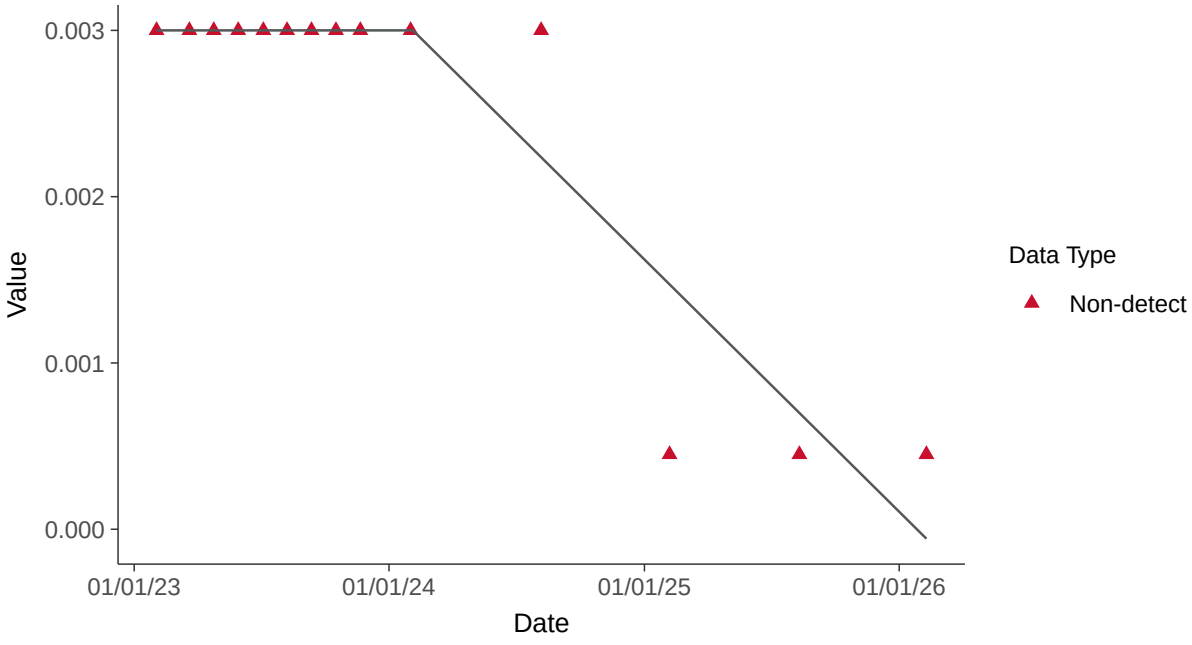
Trend Regression: Piecewise Linear-Linear

Lead, MW-16C (mg/l)



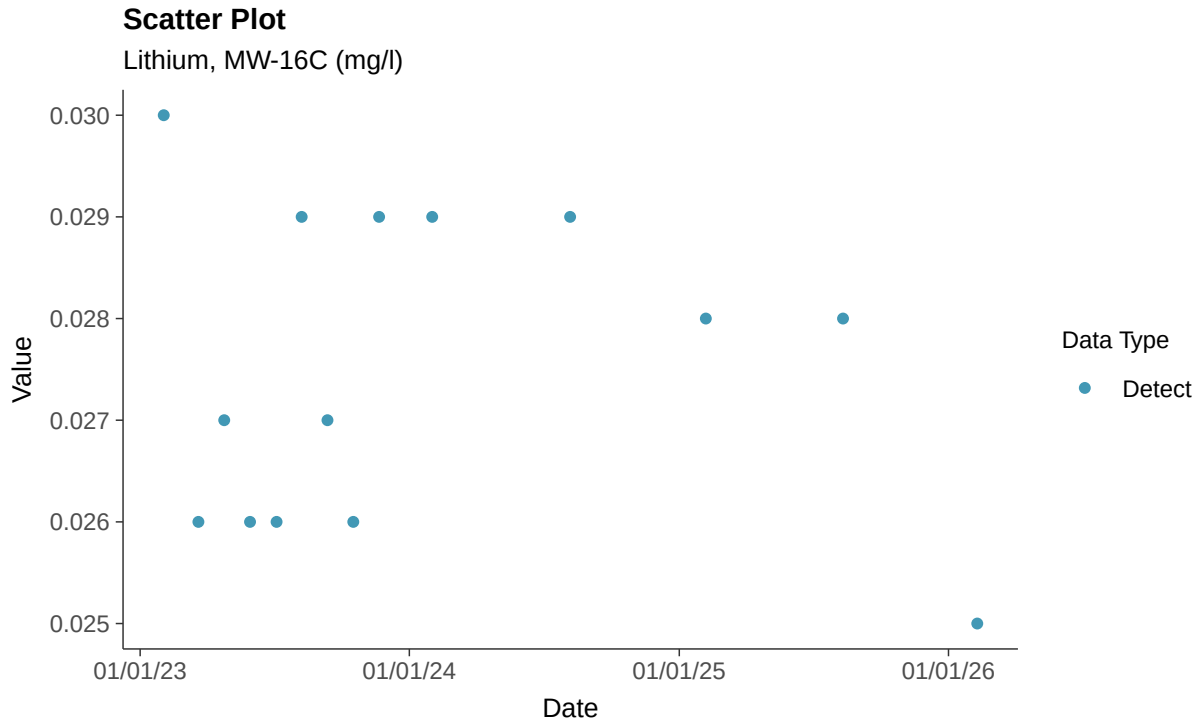
Trend Regression: Piecewise Linear-Linear-Linear

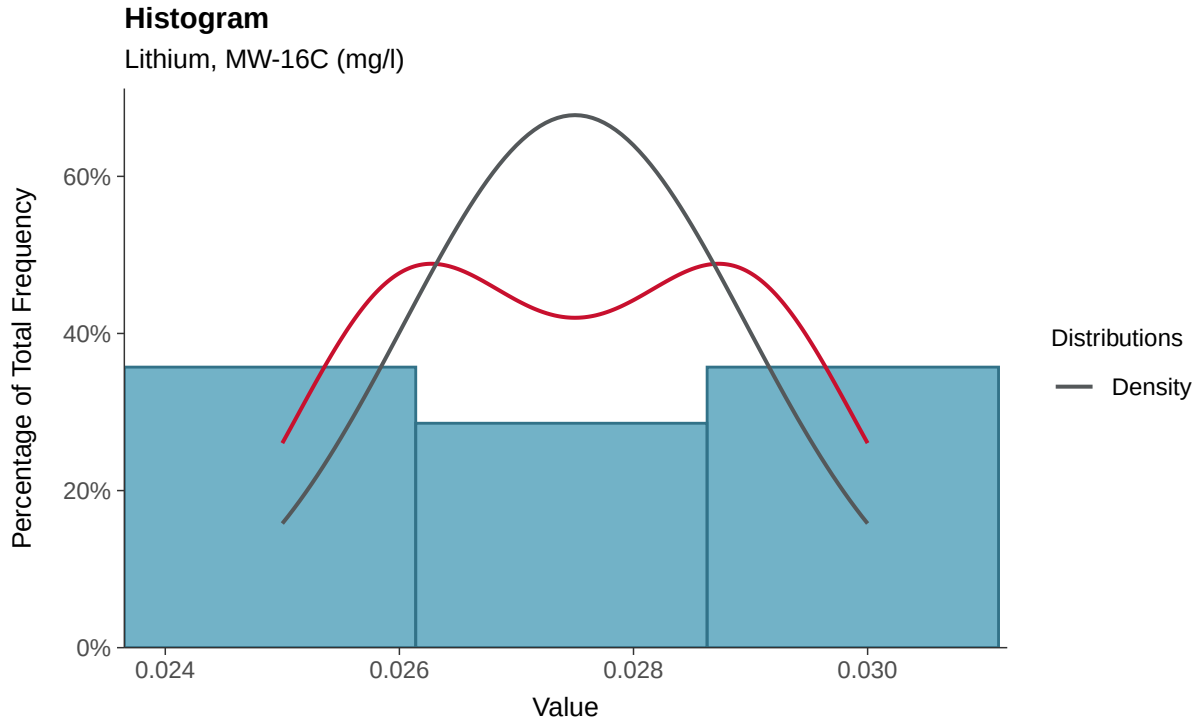
Lead, MW-16C (mg/l)



Appendix IV: Lithium, MW-16C

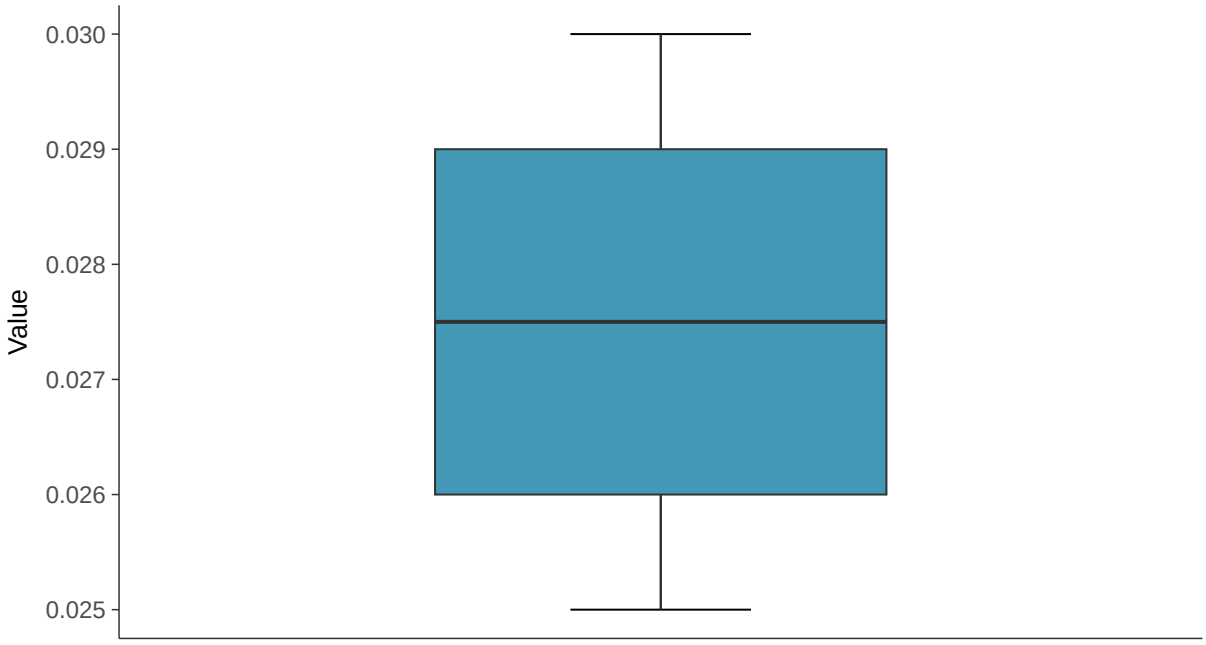
ID: 12_3_116





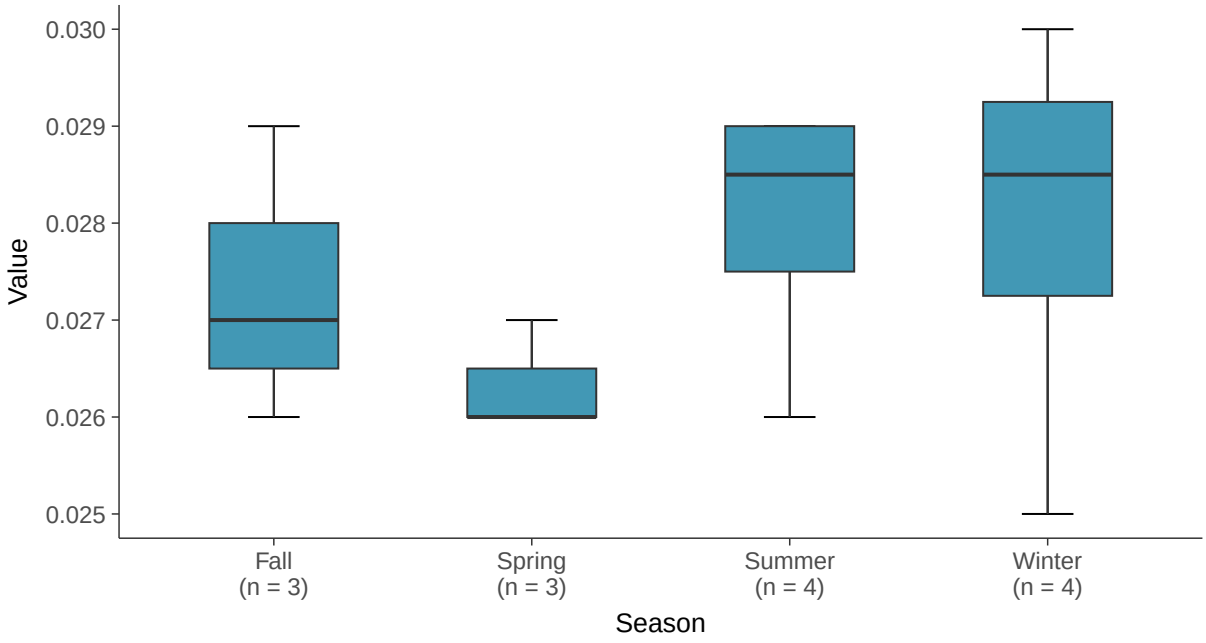
Boxplot

Lithium, MW-16C (mg/l)



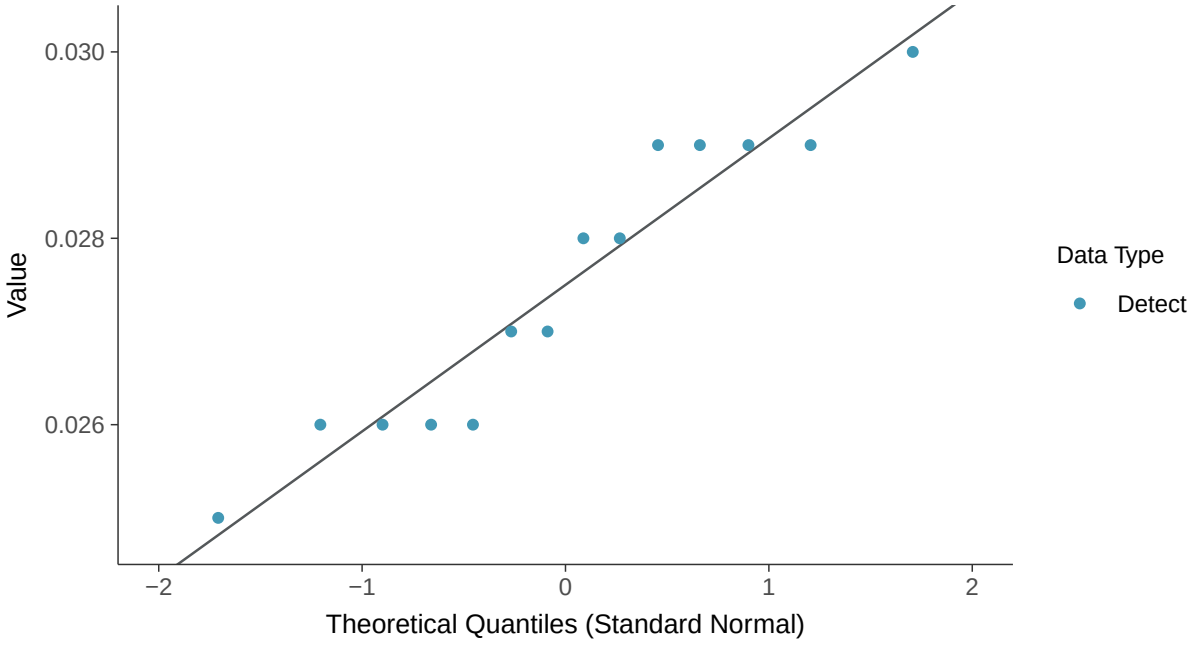
Boxplot by Season

Lithium, MW-16C (mg/l)



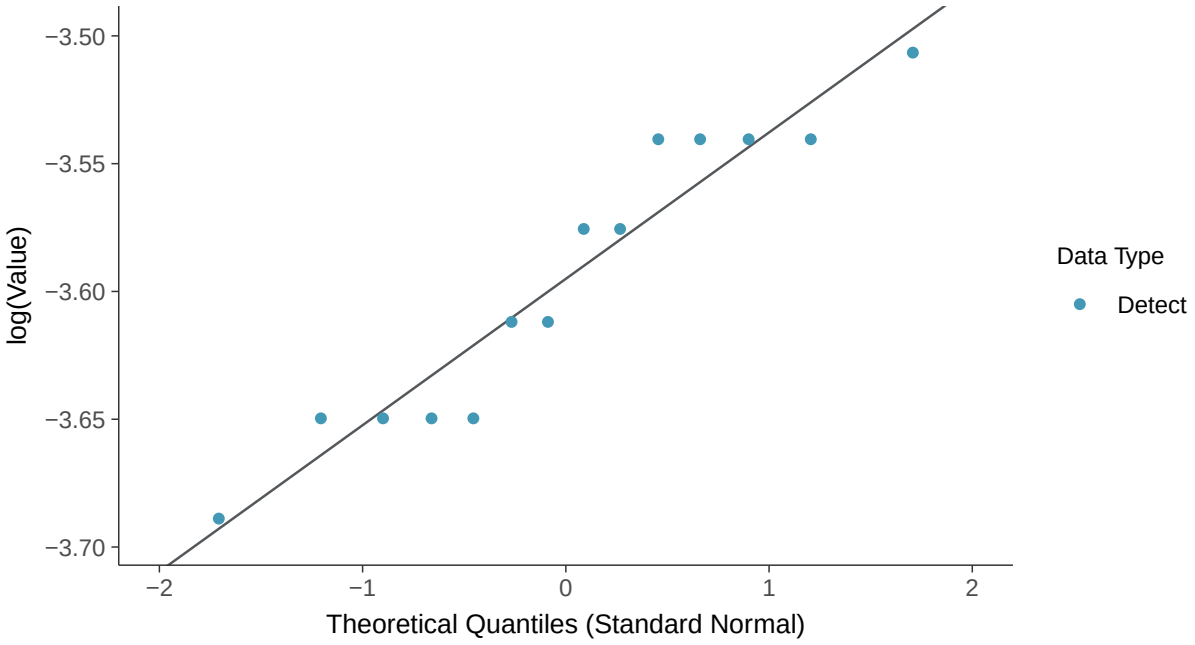
Normal Q-Q plot

Lithium, MW-16C (mg/l)



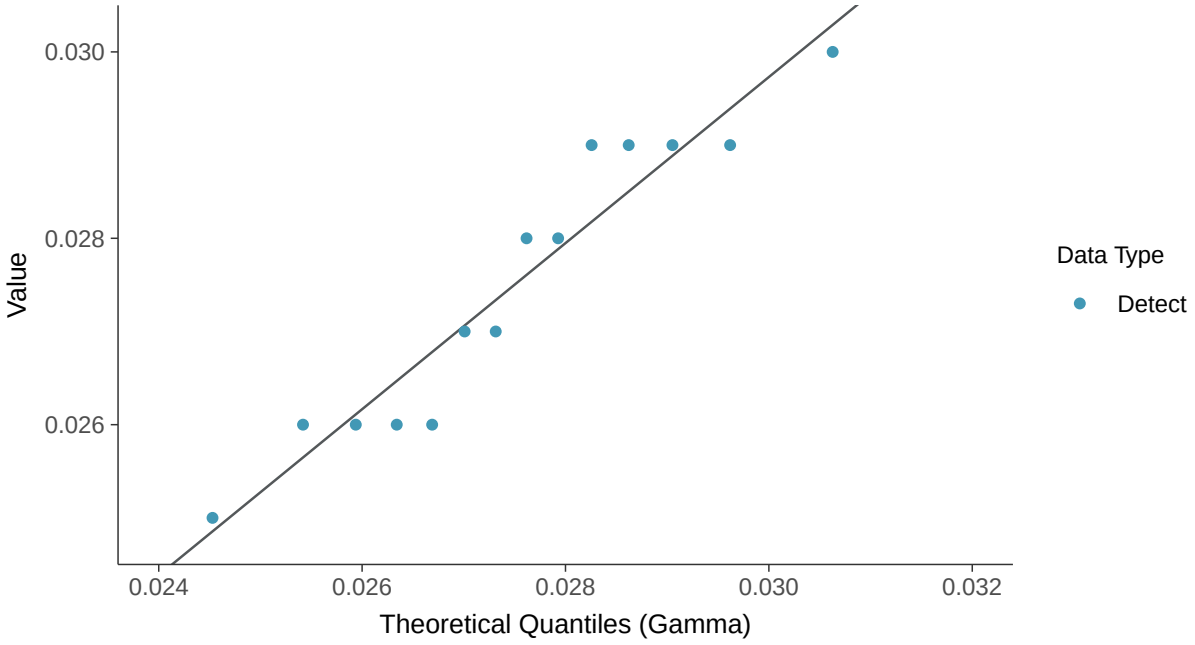
Lognormal Q-Q plot

Lithium, MW-16C (mg/l)



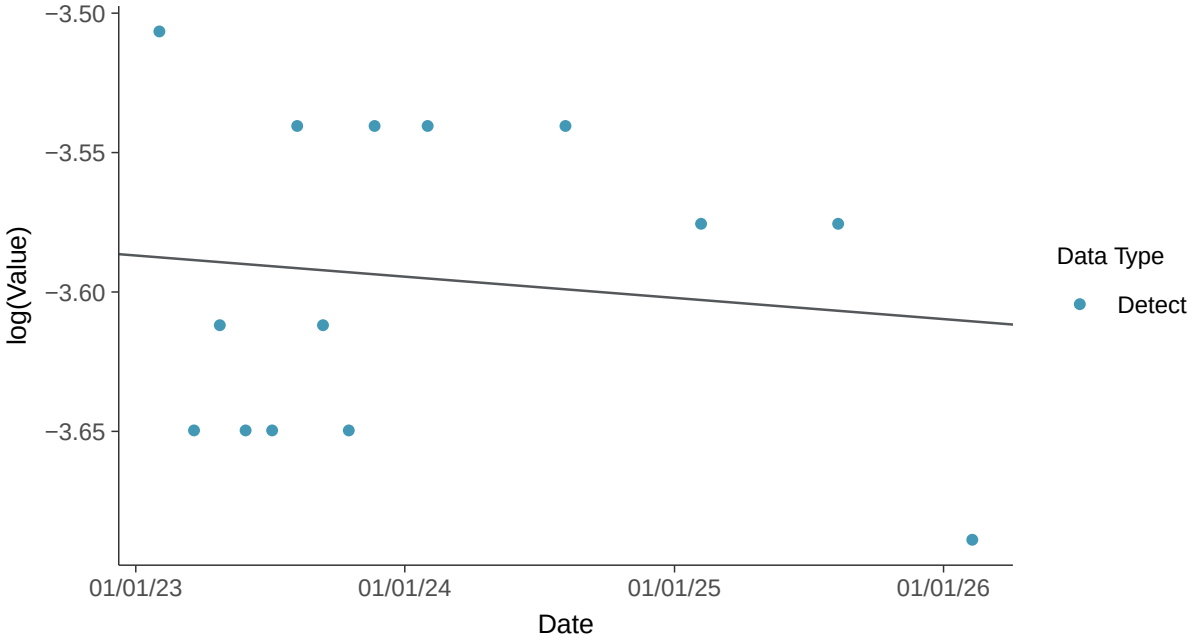
Gamma Q-Q plot

Lithium, MW-16C (mg/l)



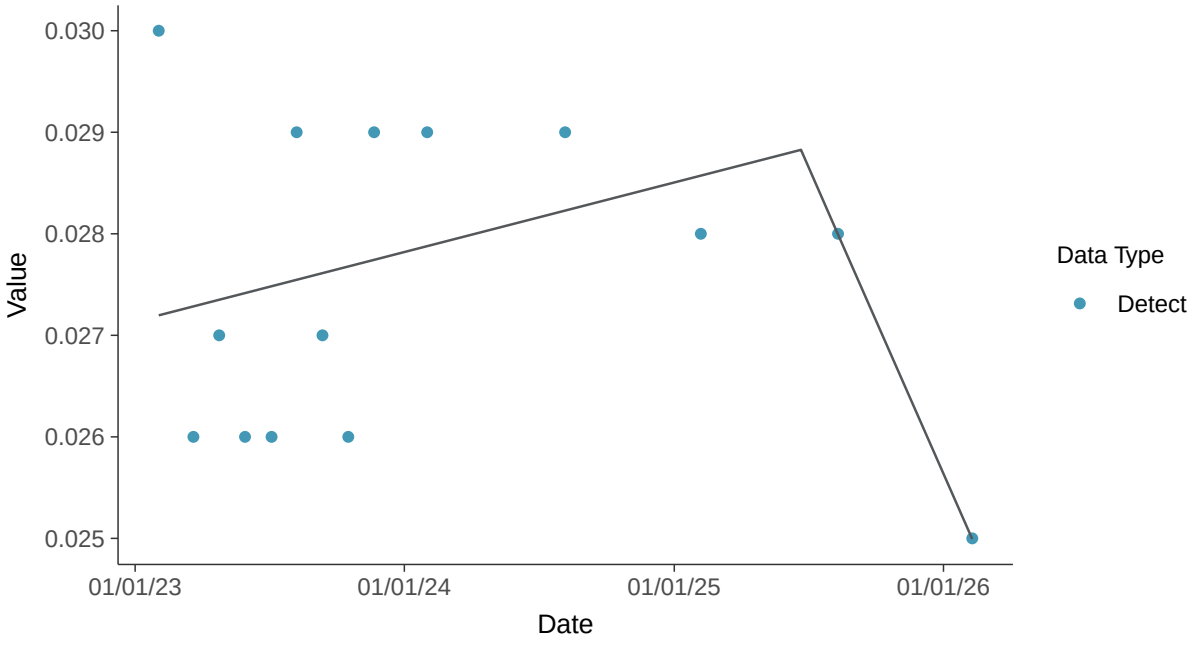
Trend Regression: Lognormal MLE

Lithium, MW-16C (mg/l)



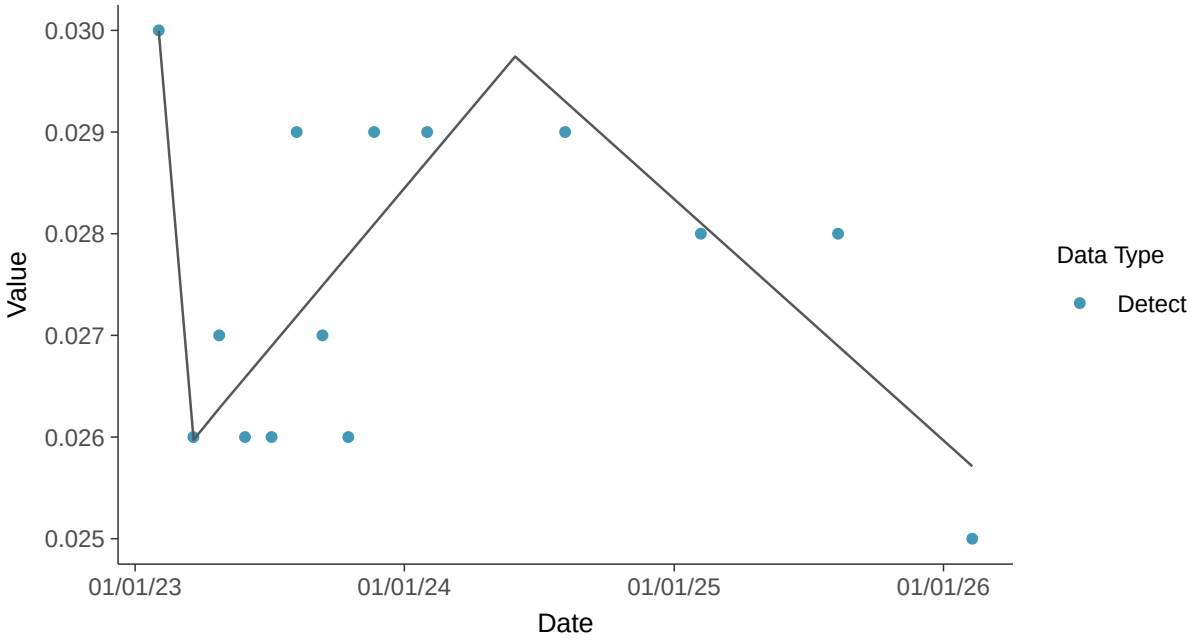
Trend Regression: Piecewise Linear-Linear

Lithium, MW-16C (mg/l)



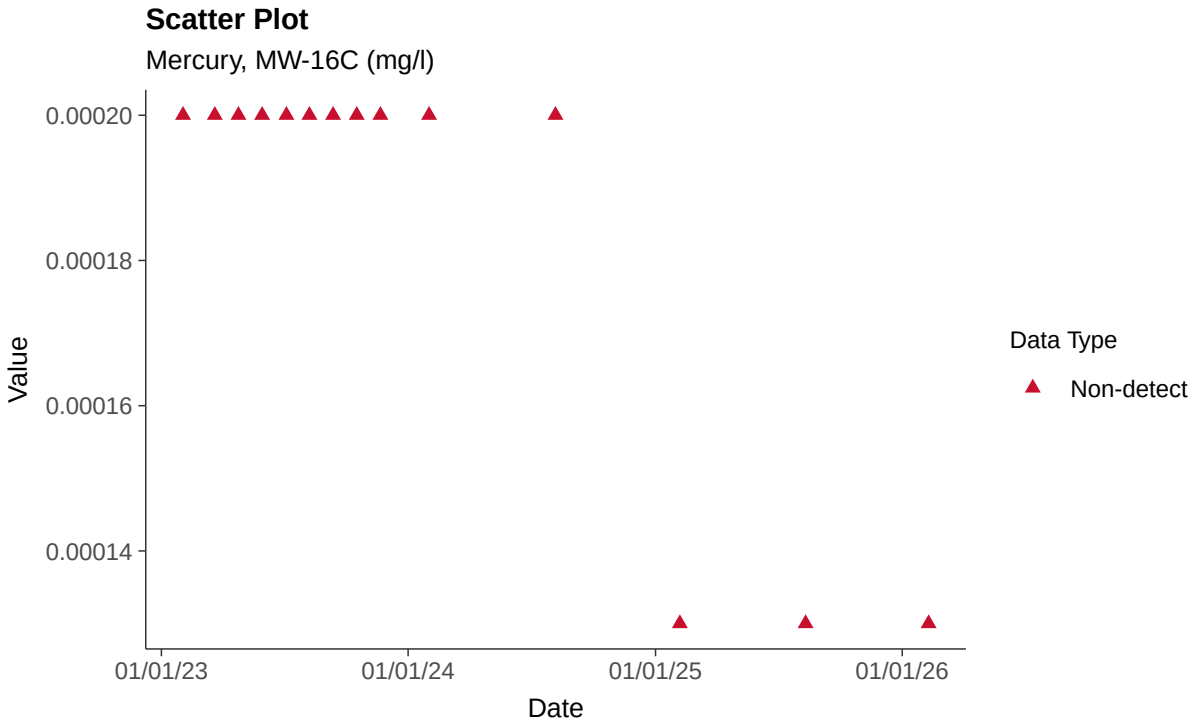
Trend Regression: Piecewise Linear-Linear-Linear

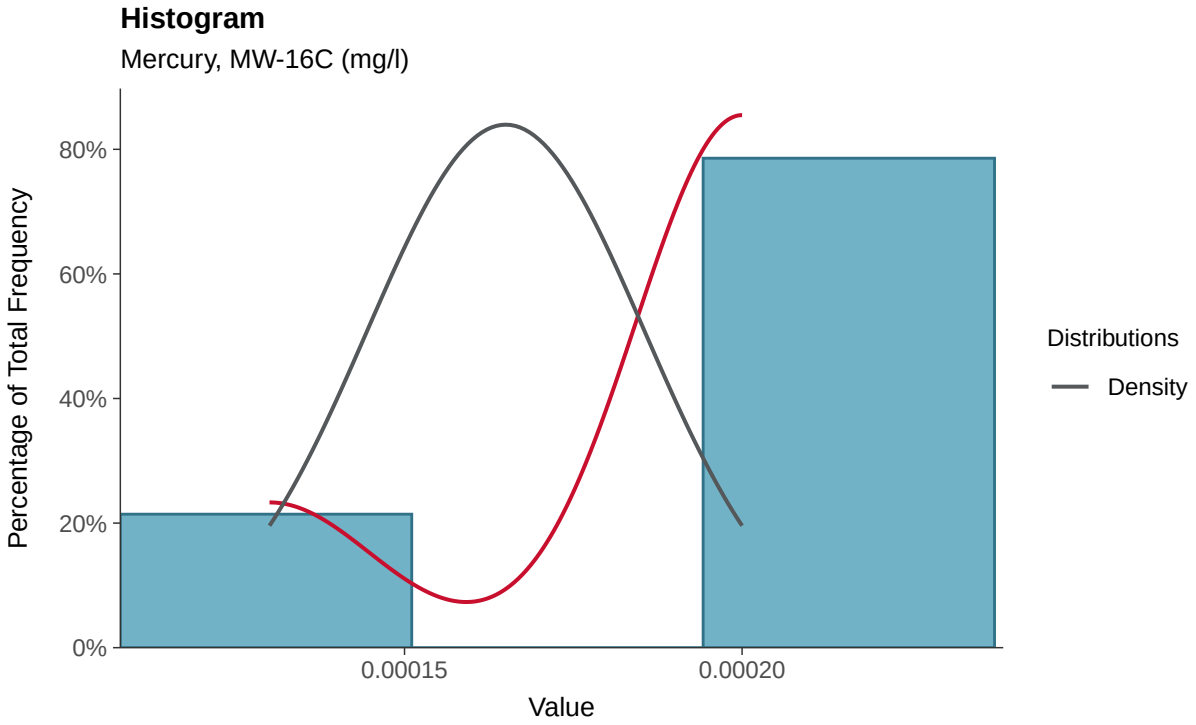
Lithium, MW-16C (mg/l)



Appendix IV: Mercury, MW-16C

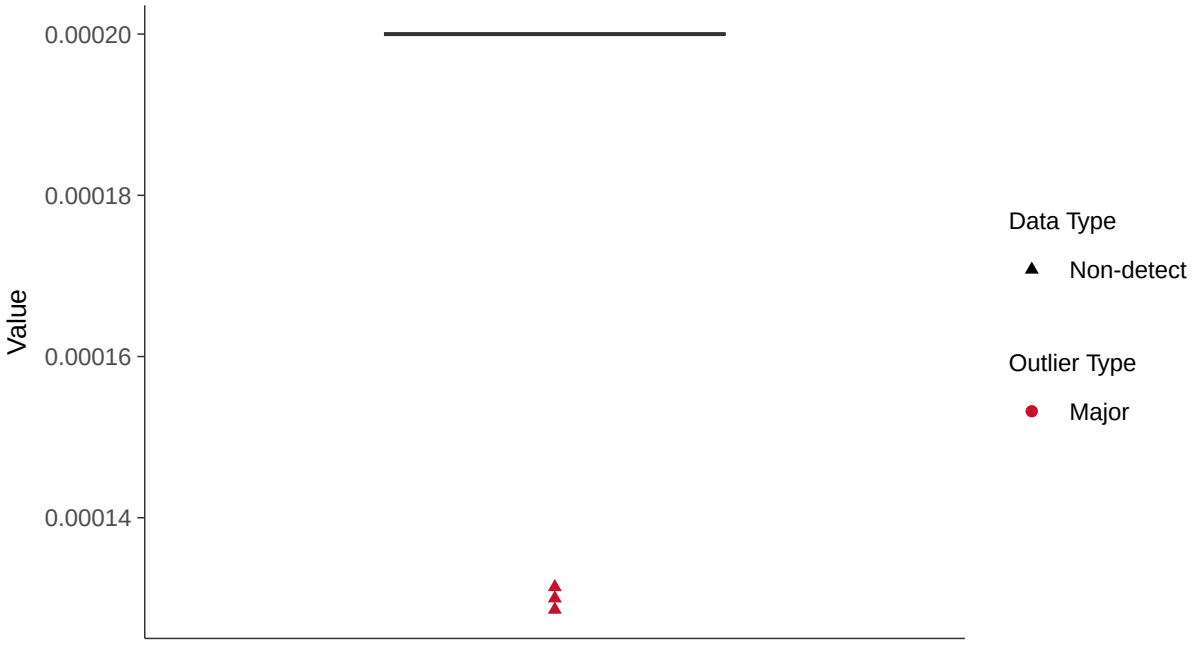
ID: 12_3_117





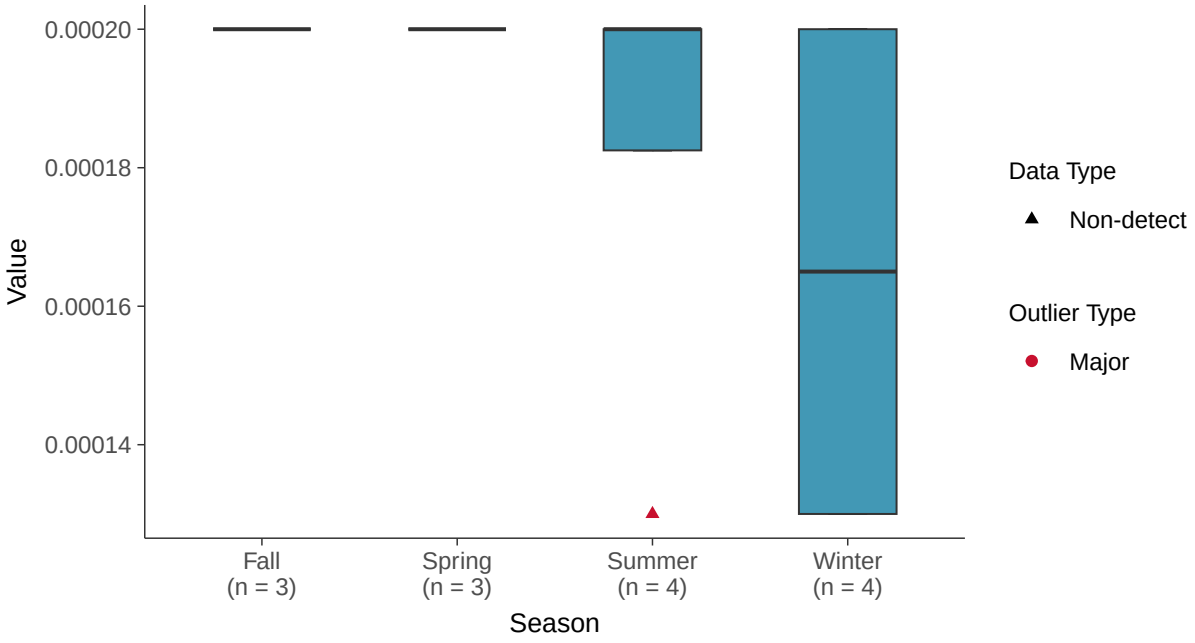
Boxplot

Mercury, MW-16C (mg/l)



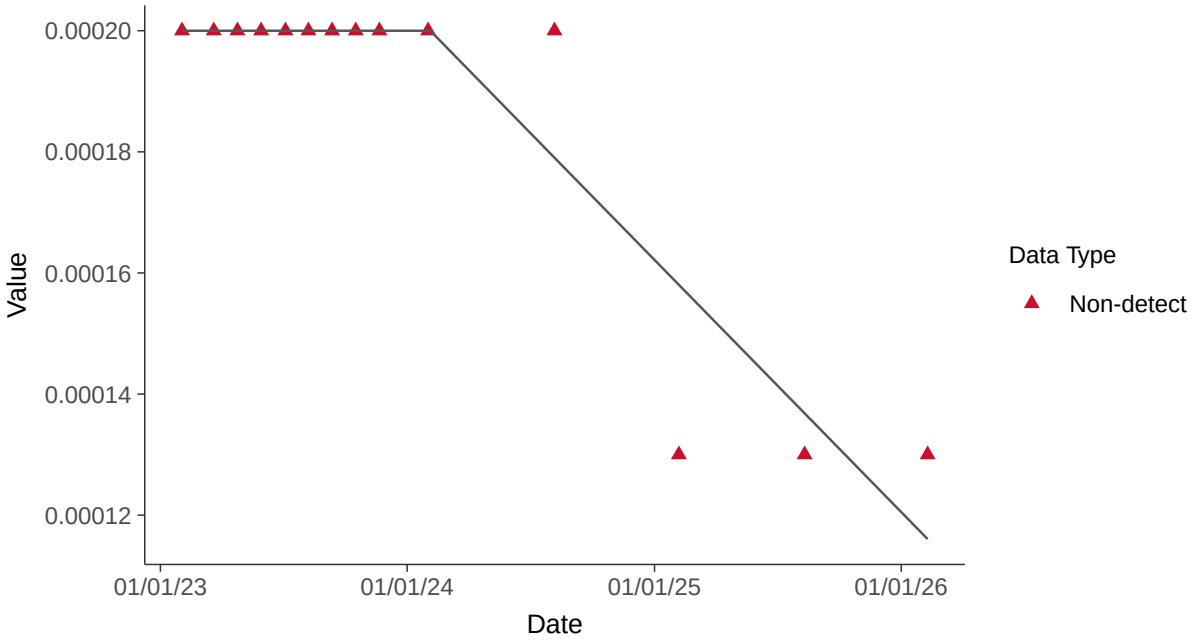
Boxplot by Season

Mercury, MW-16C (mg/l)



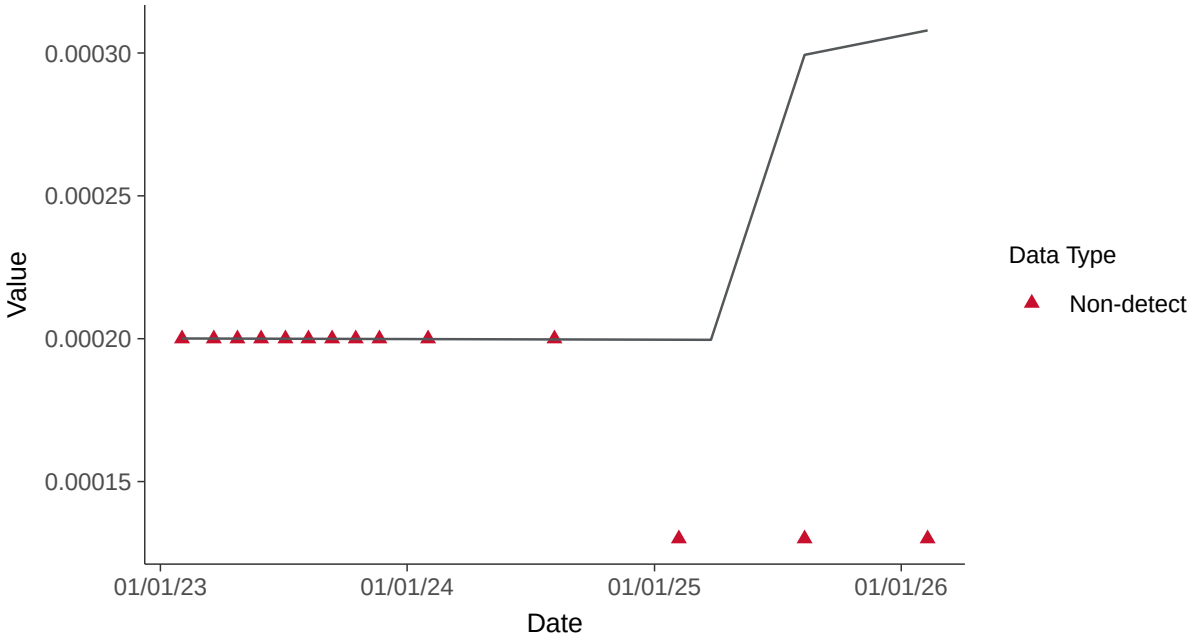
Trend Regression: Piecewise Linear-Linear

Mercury, MW-16C (mg/l)



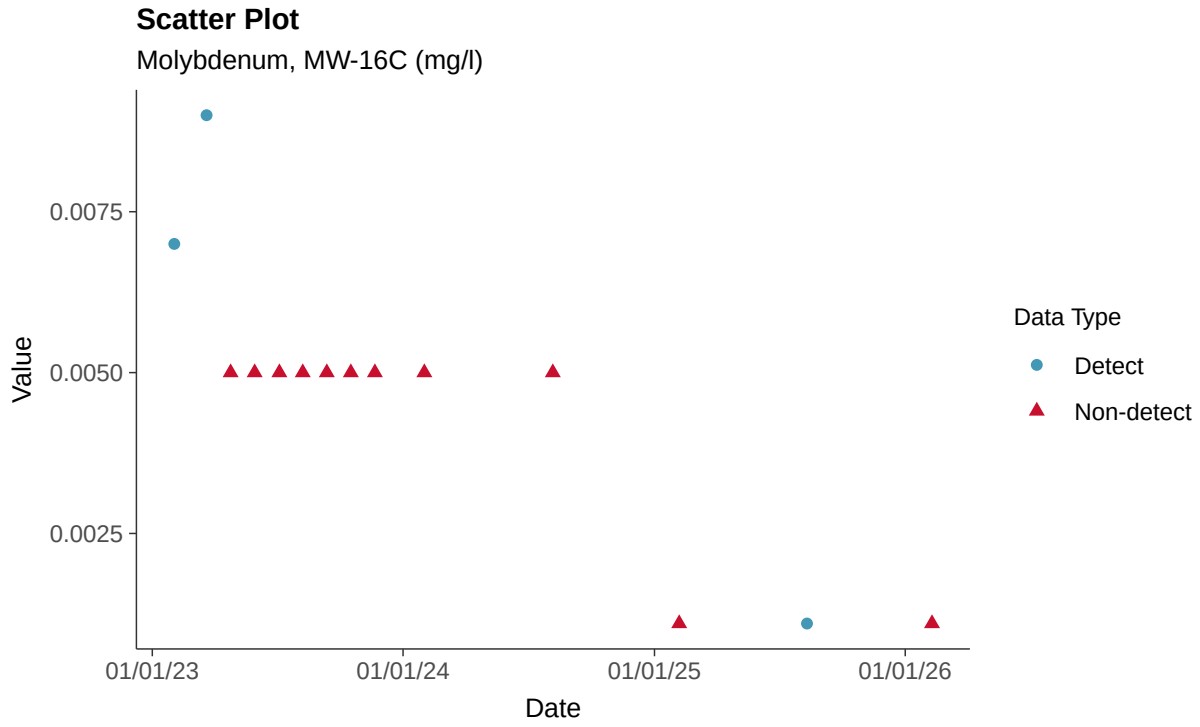
Trend Regression: Piecewise Linear-Linear-Linear

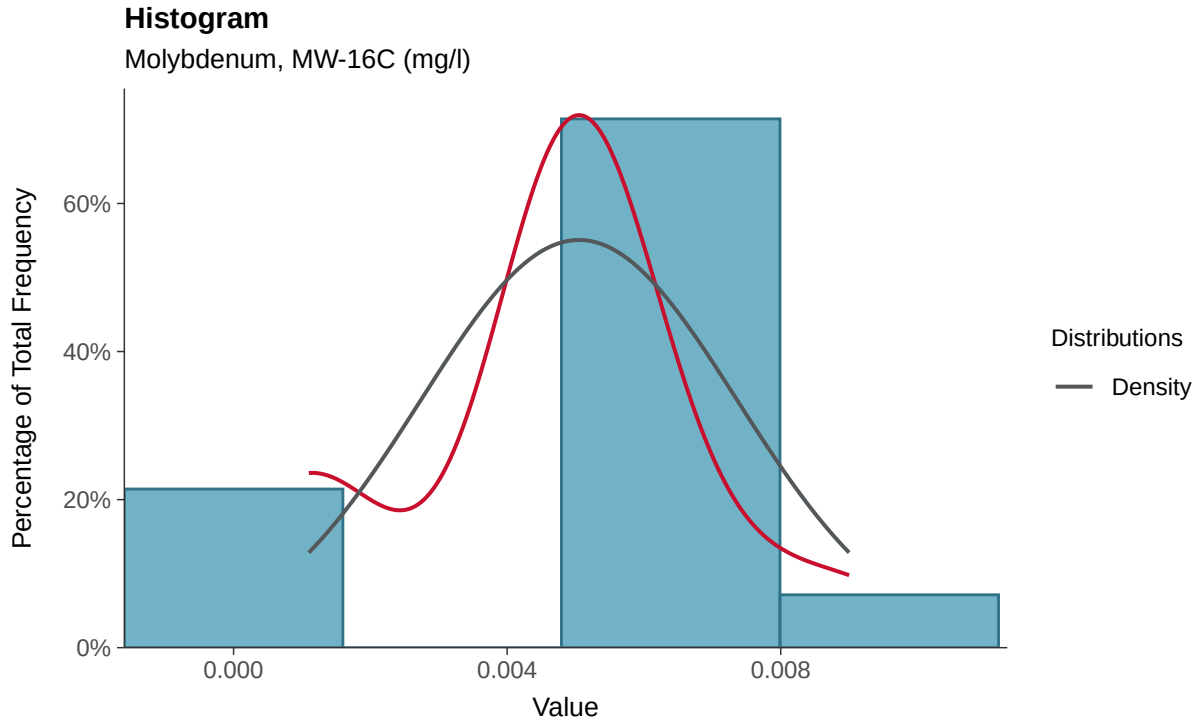
Mercury, MW-16C (mg/l)



Appendix IV: Molybdenum, MW-16C

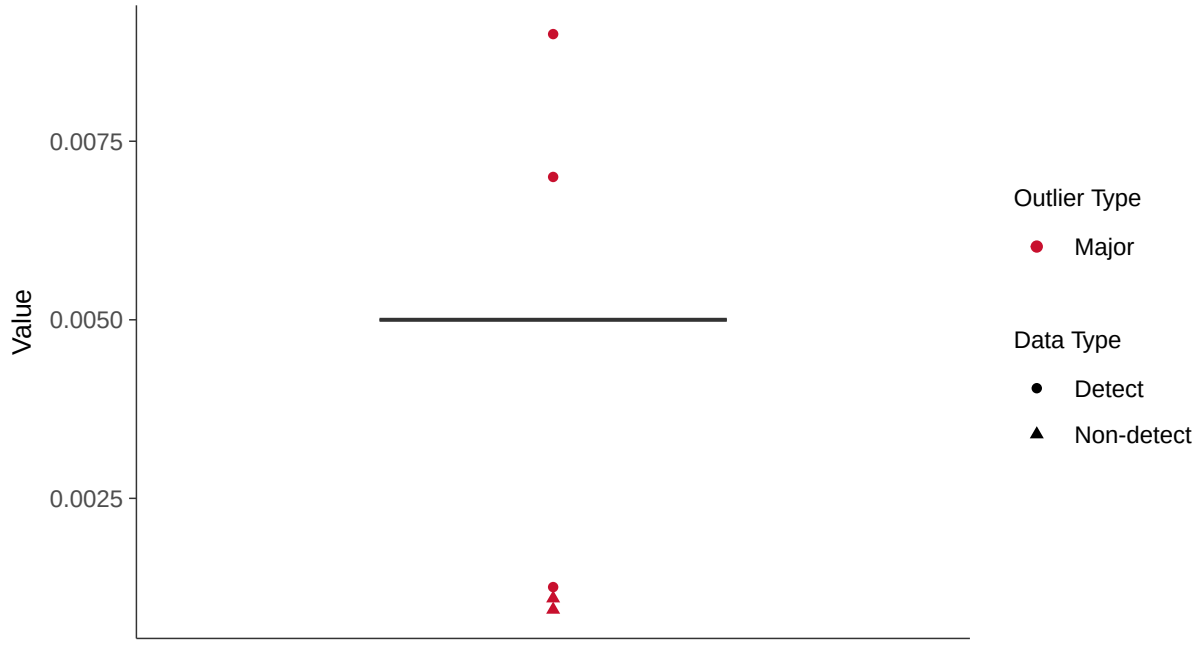
ID: 12_3_118





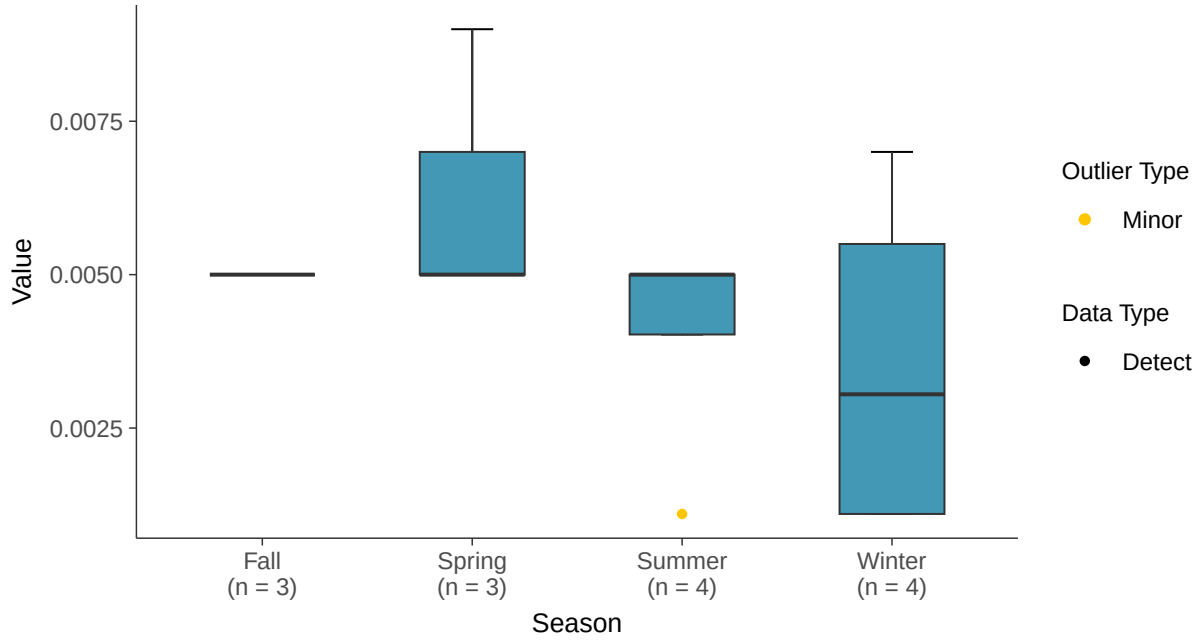
Boxplot

Molybdenum, MW-16C (mg/l)



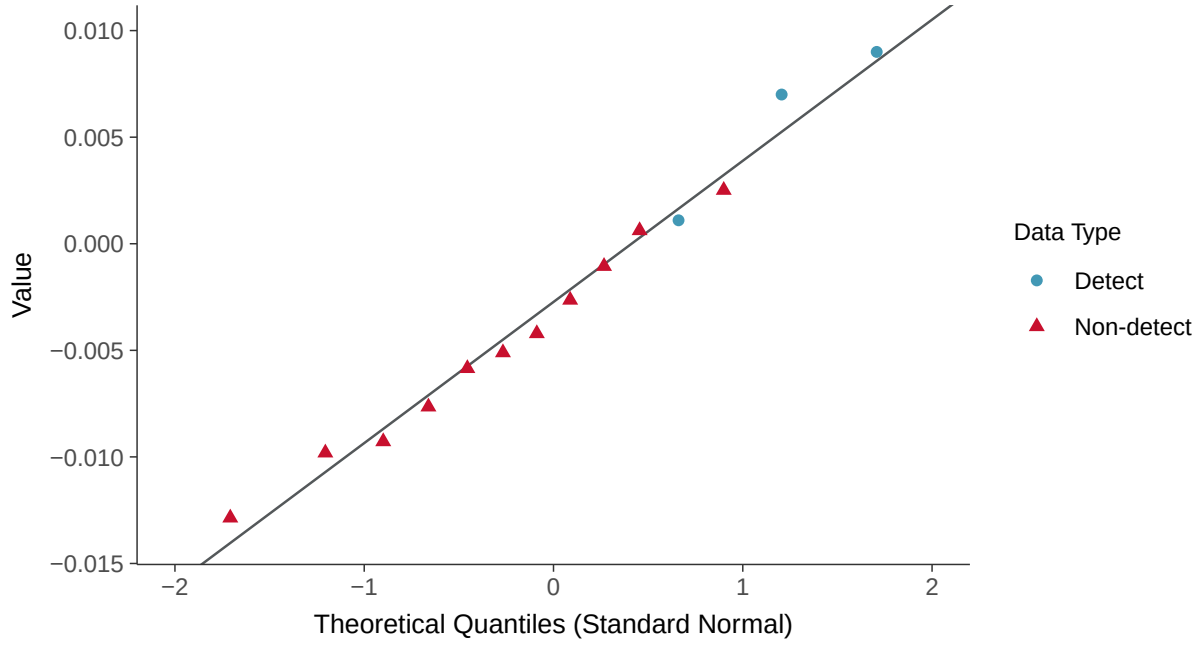
Boxplot by Season

Molybdenum, MW-16C (mg/l)



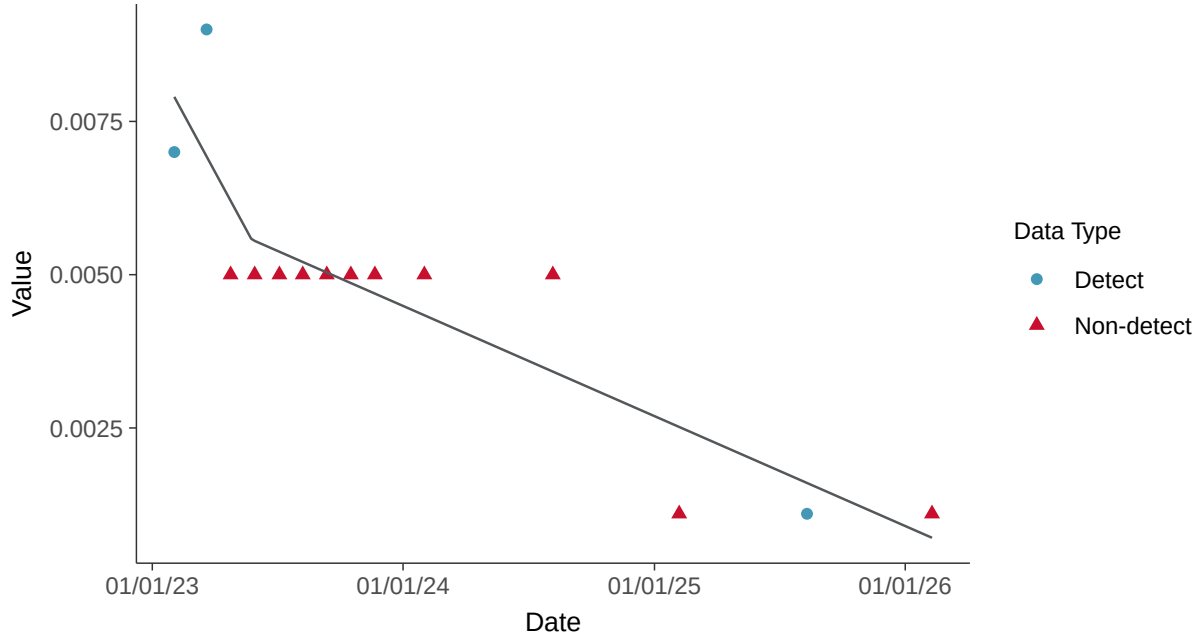
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-16C (mg/l)



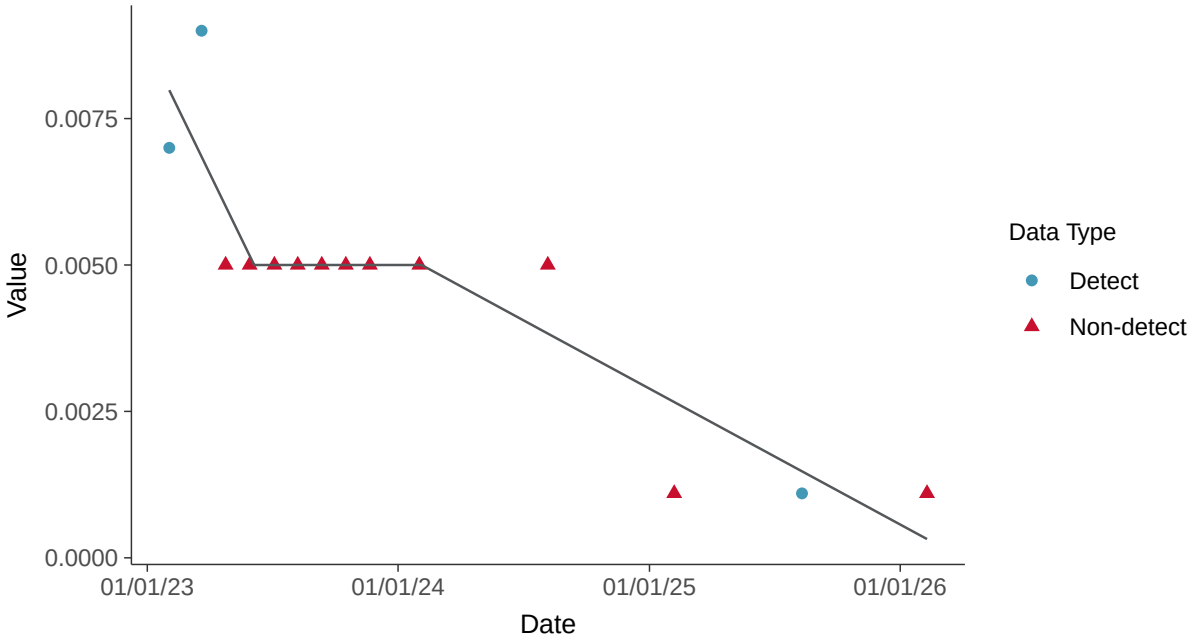
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-16C (mg/l)



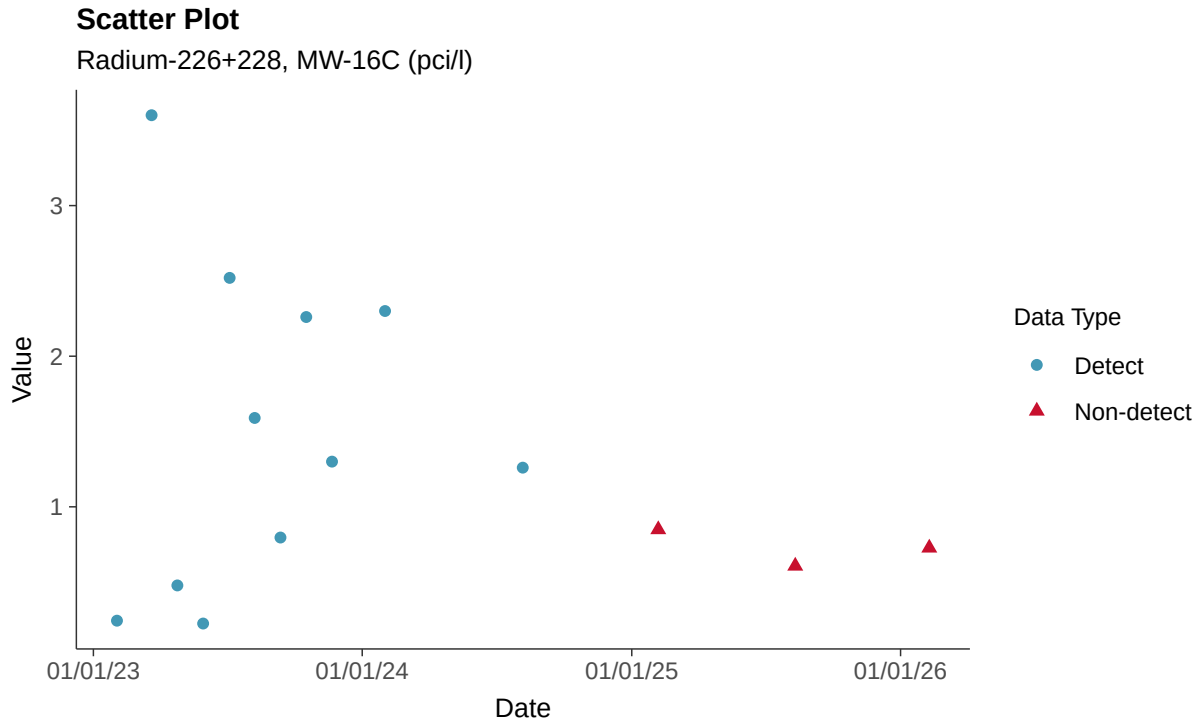
Trend Regression: Piecewise Linear-Linear-Linear

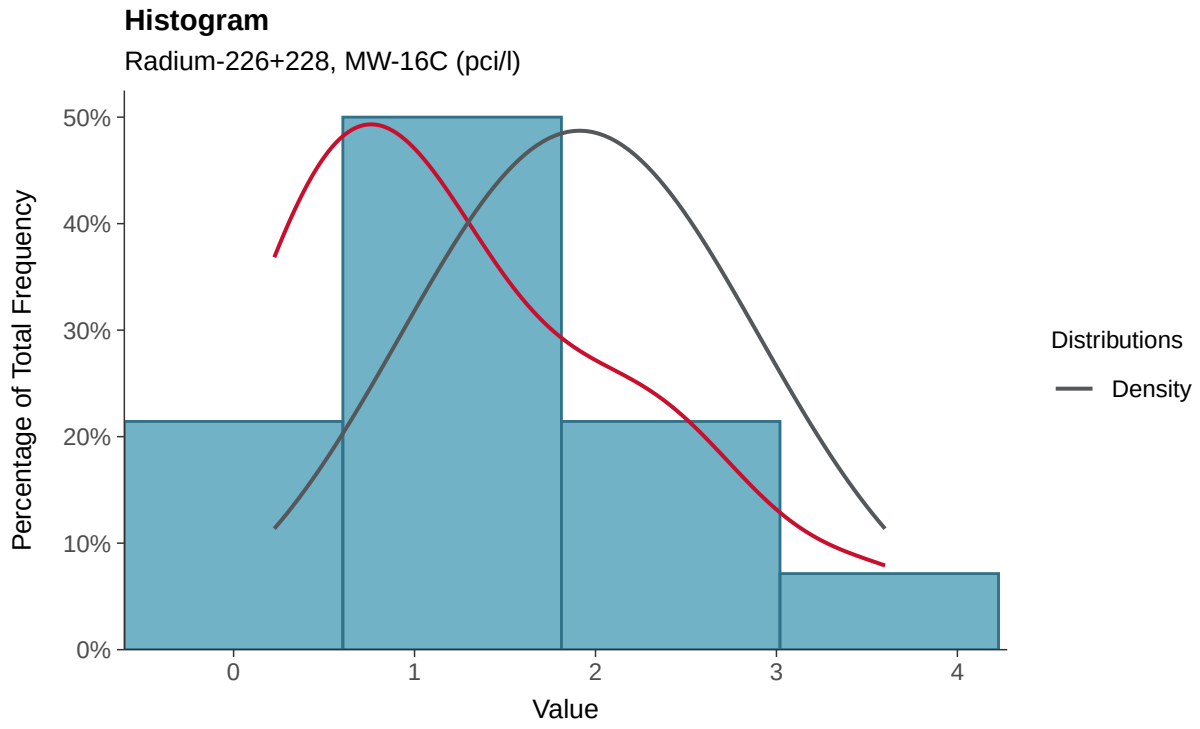
Molybdenum, MW-16C (mg/l)



Appendix IV: Radium-226+228, MW-16C

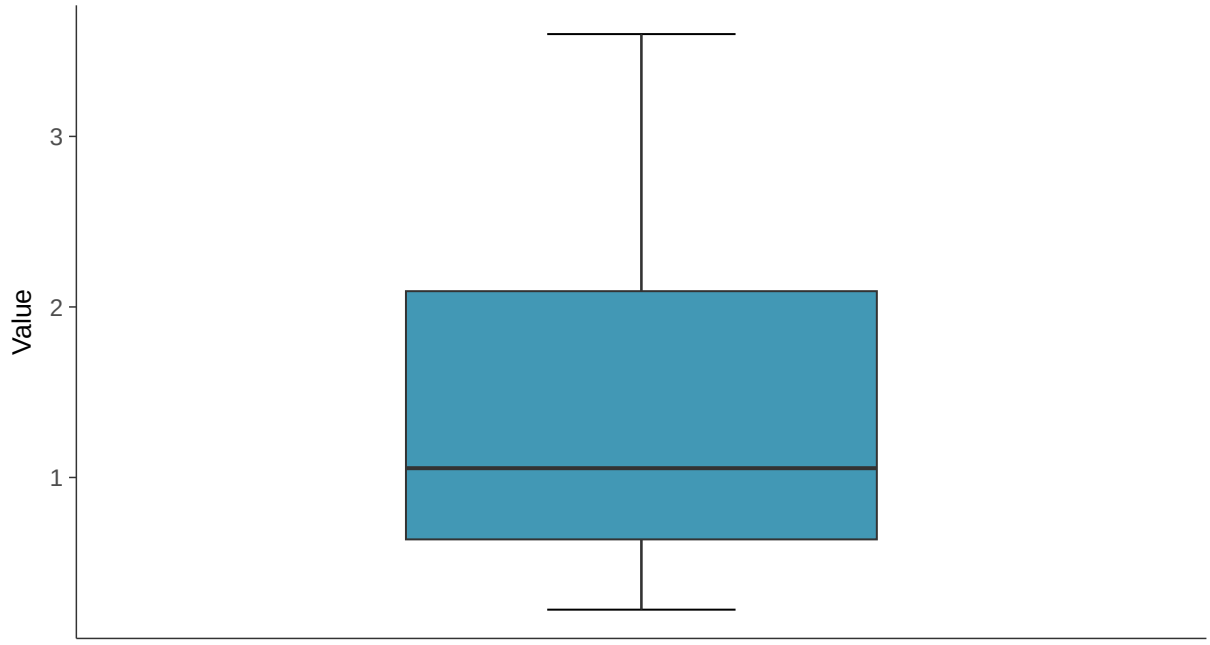
ID: 12_3_121





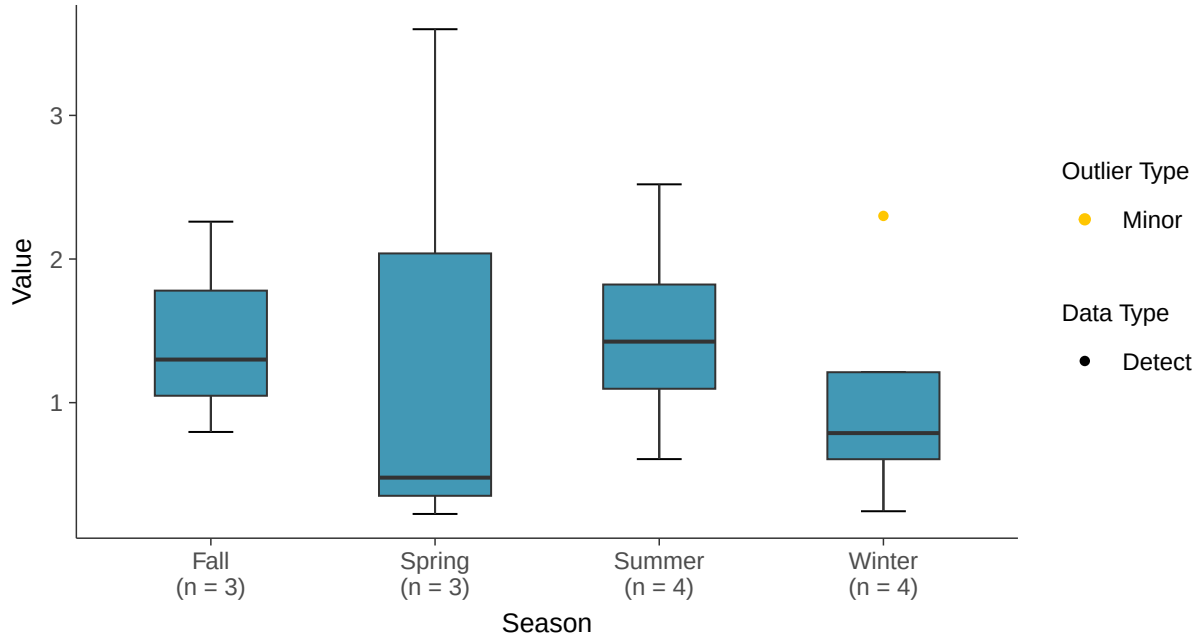
Boxplot

Radium-226+228, MW-16C (pci/l)



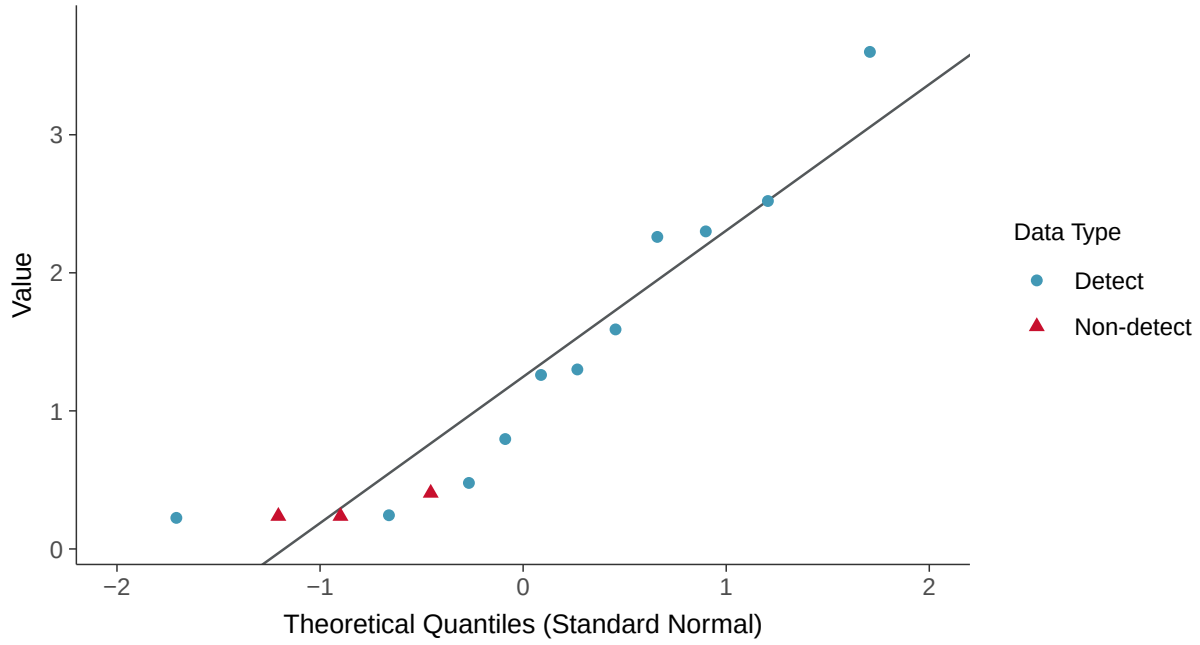
Boxplot by Season

Radium-226+228, MW-16C (pci/l)



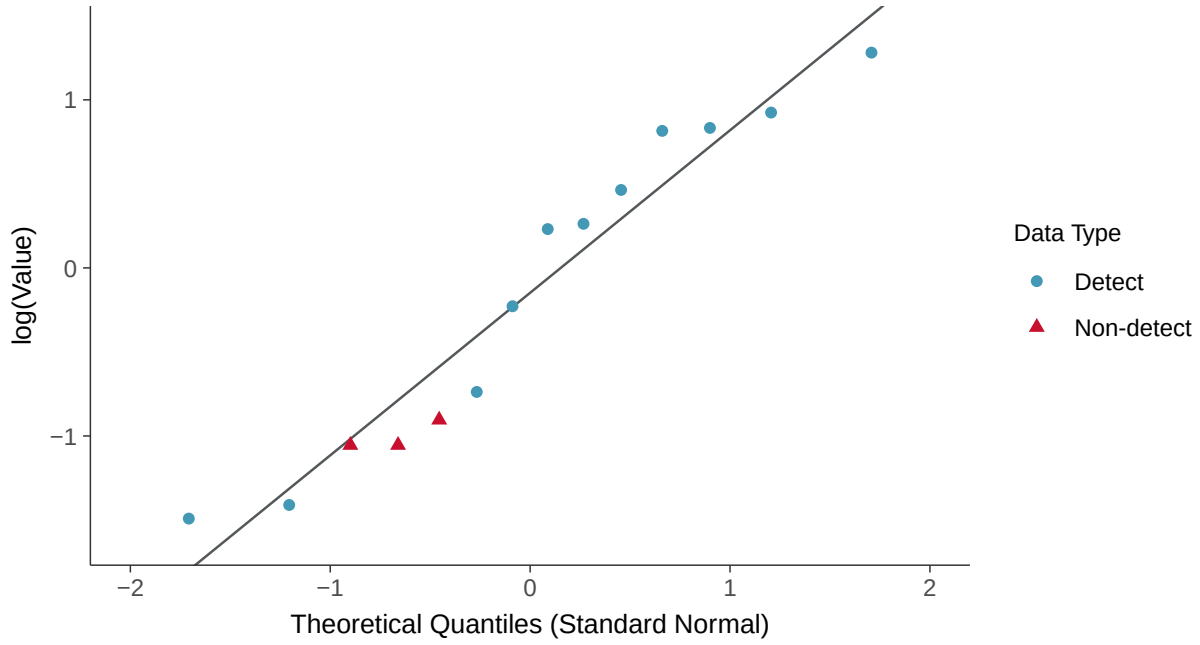
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-16C (pci/l)



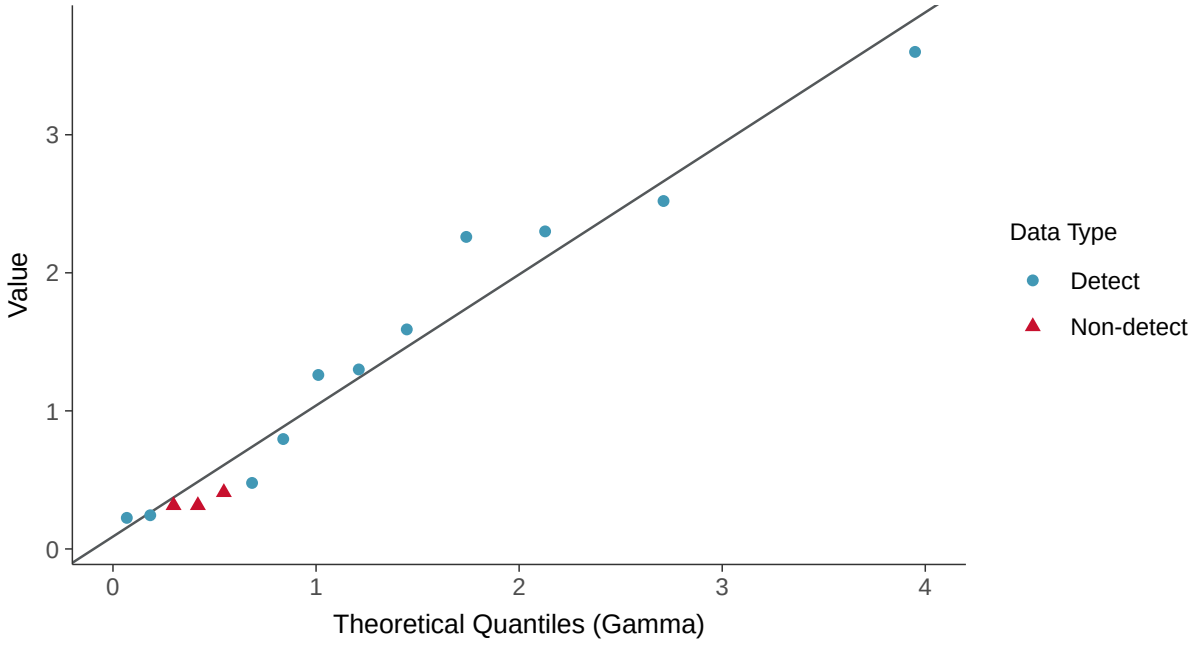
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-16C (pci/l)



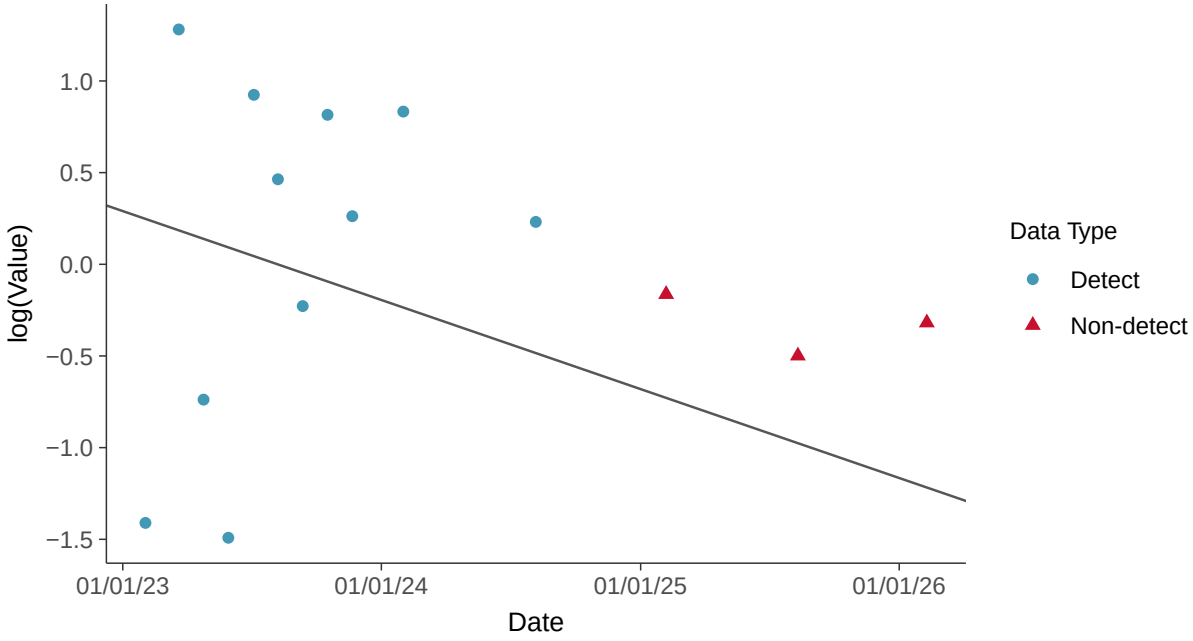
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-16C (pci/l)



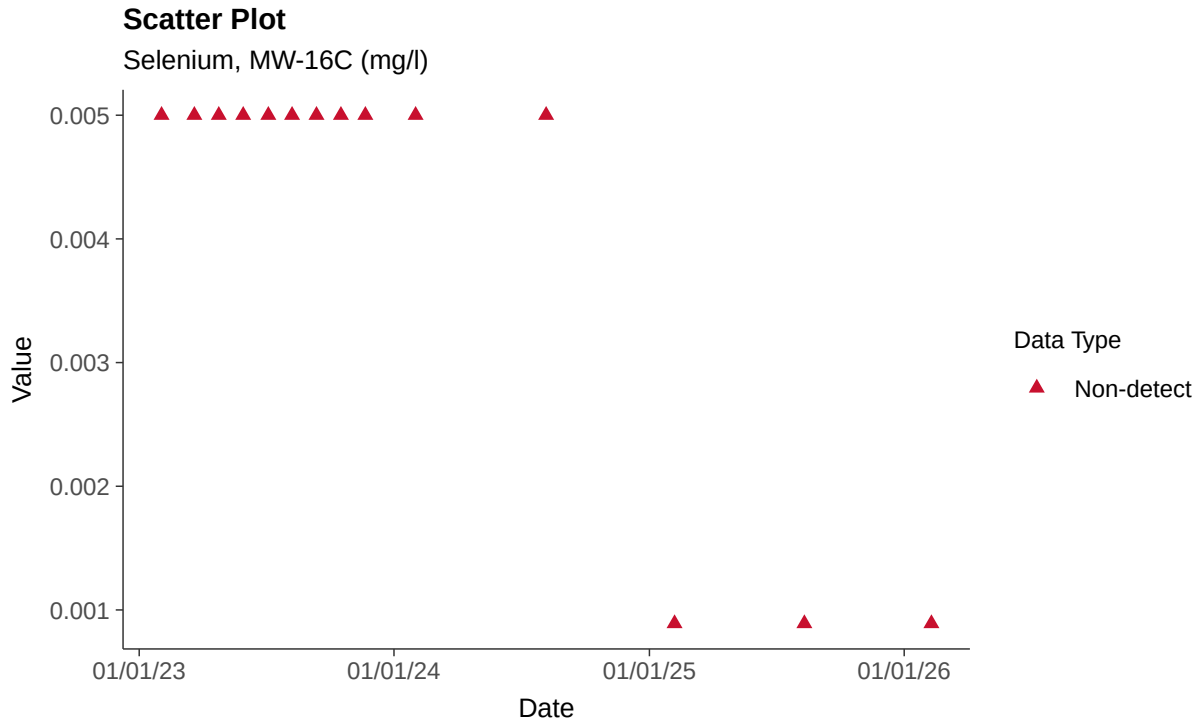
Trend Regression: Lognormal MLE

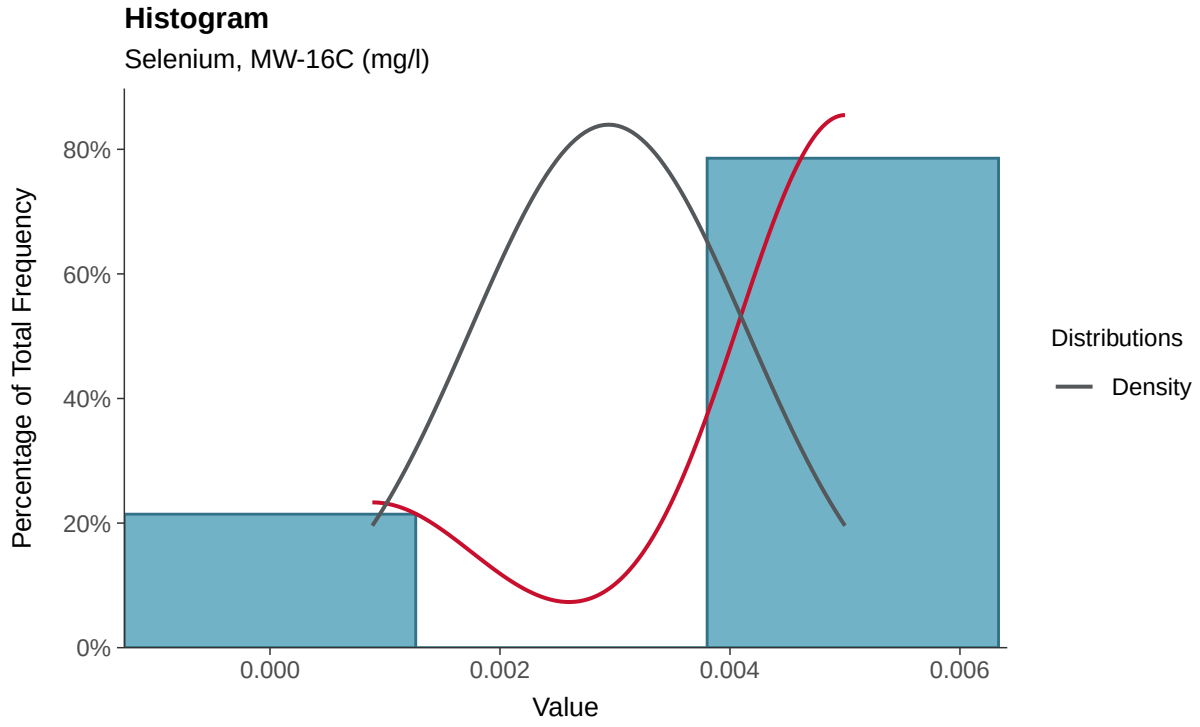
Radium-226+228, MW-16C (pci/l)



Appendix IV: Selenium, MW-16C

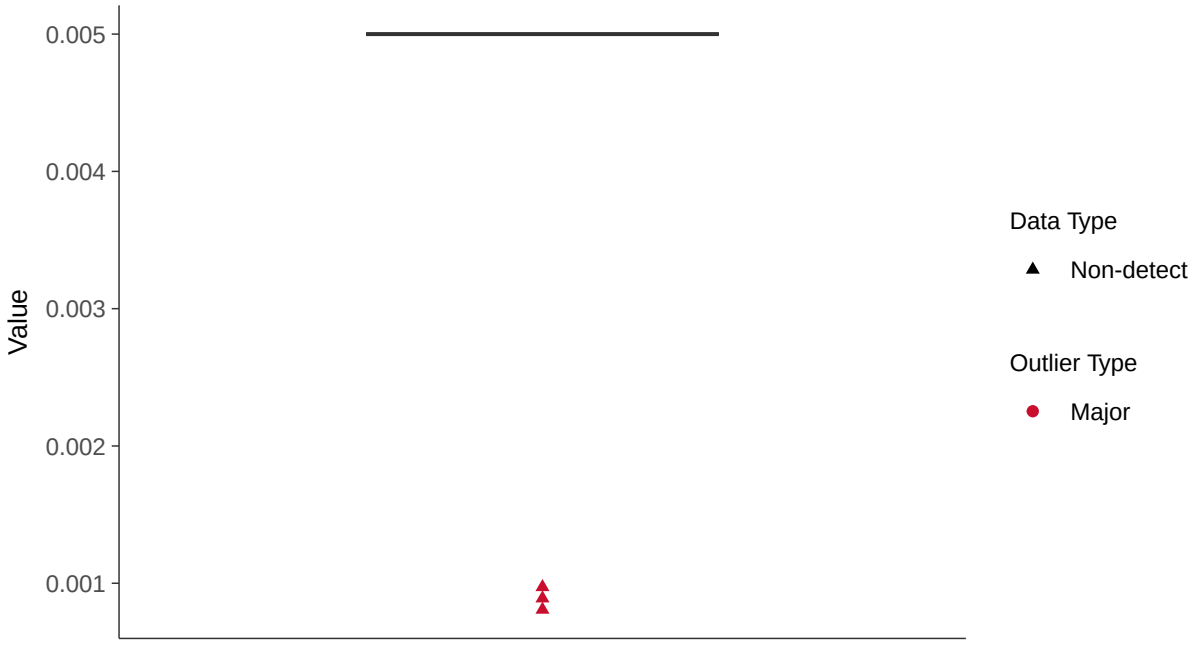
ID: 12_3_122





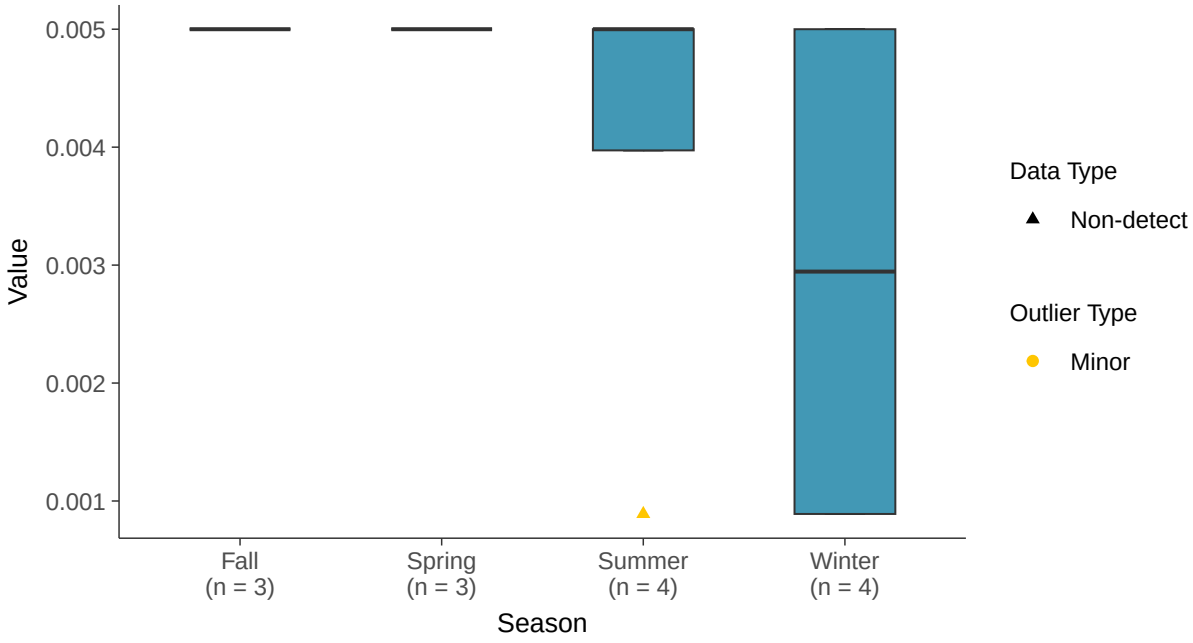
Boxplot

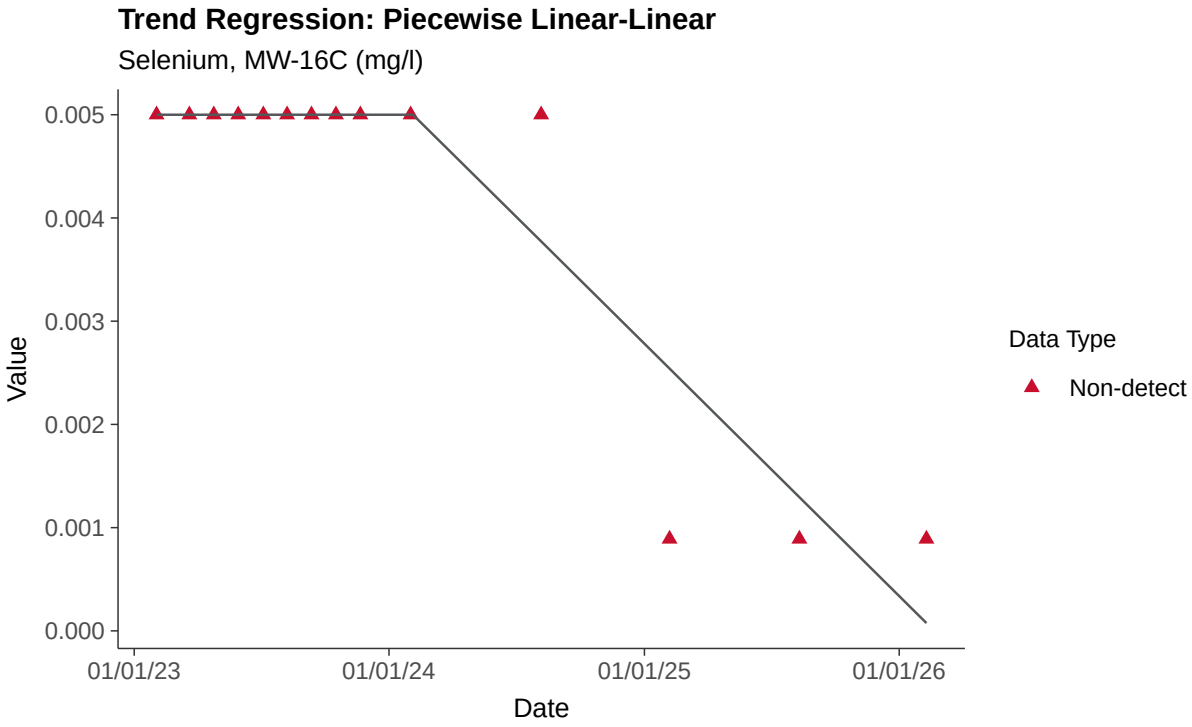
Selenium, MW-16C (mg/l)



Boxplot by Season

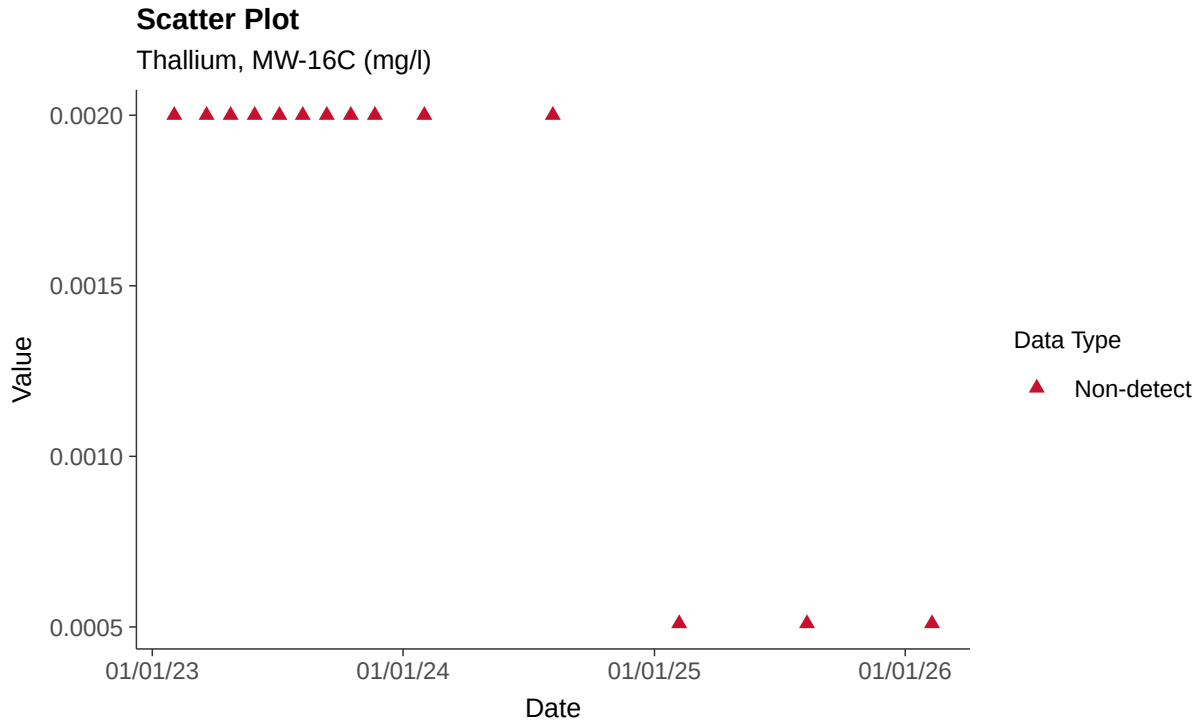
Selenium, MW-16C (mg/l)

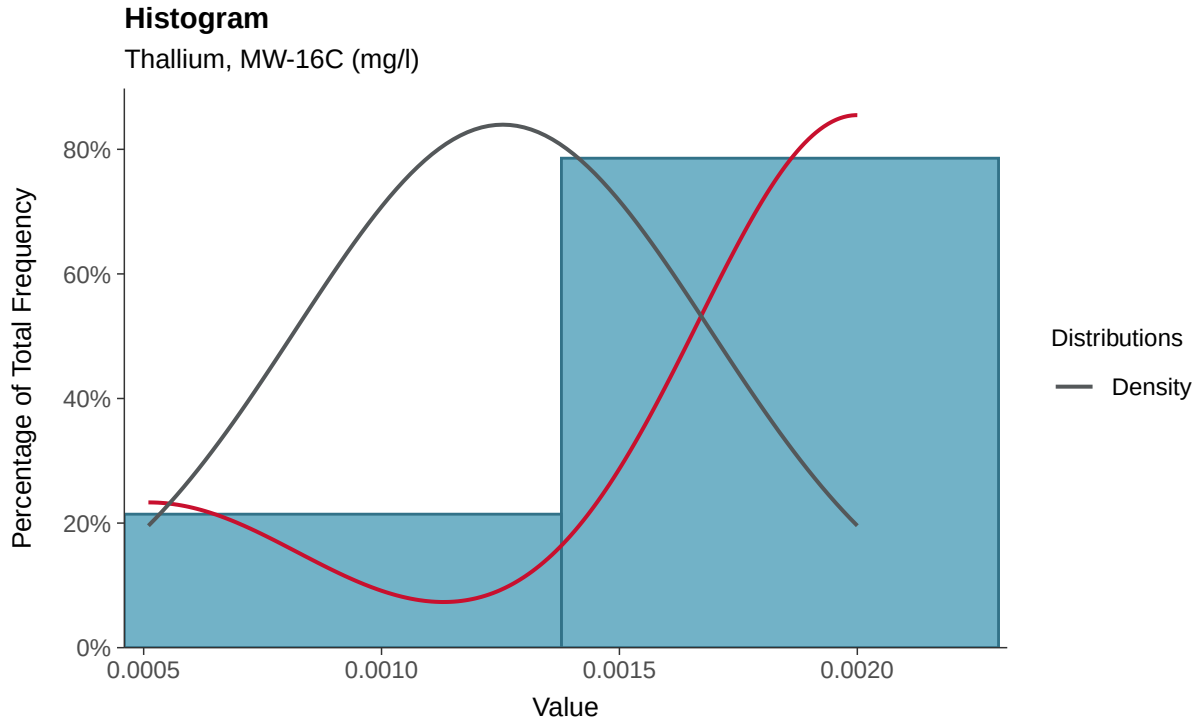



Trend Regression: Piecewise Linear-Linear
Selenium, MW-16C (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-16C

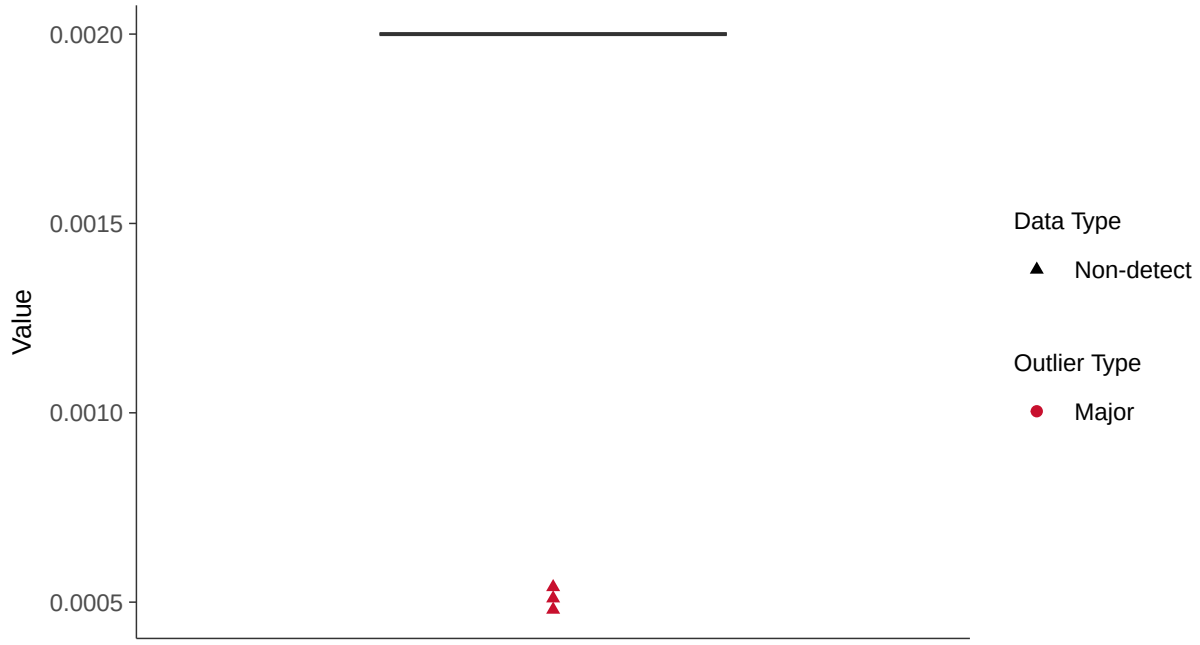
ID: 12_3_125





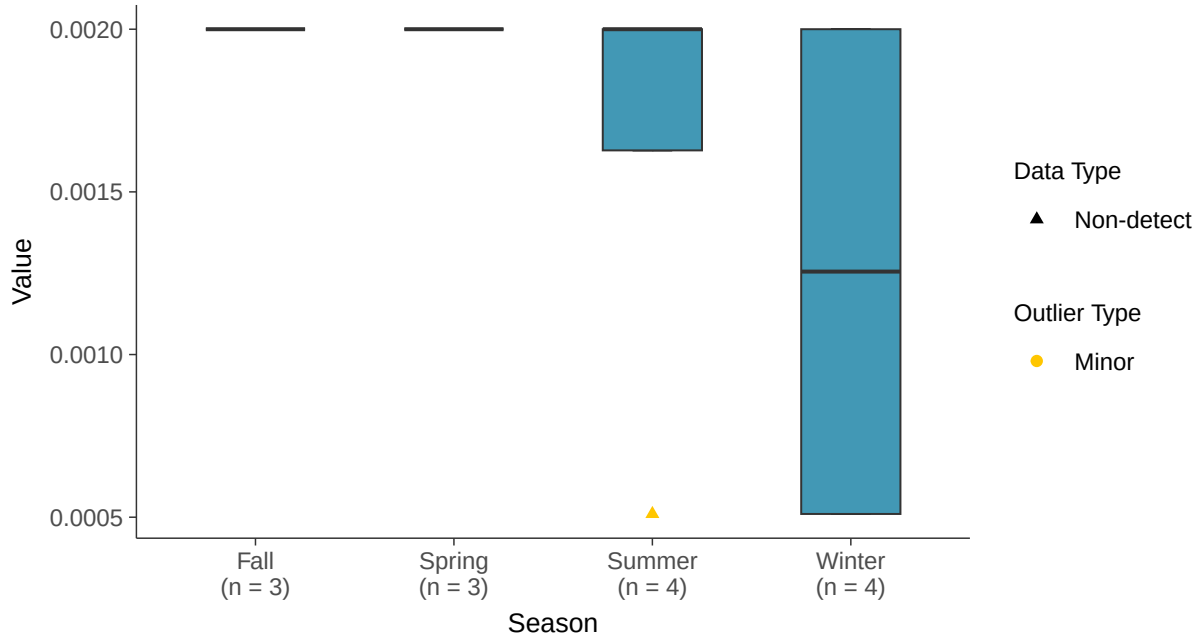
Boxplot

Thallium, MW-16C (mg/l)



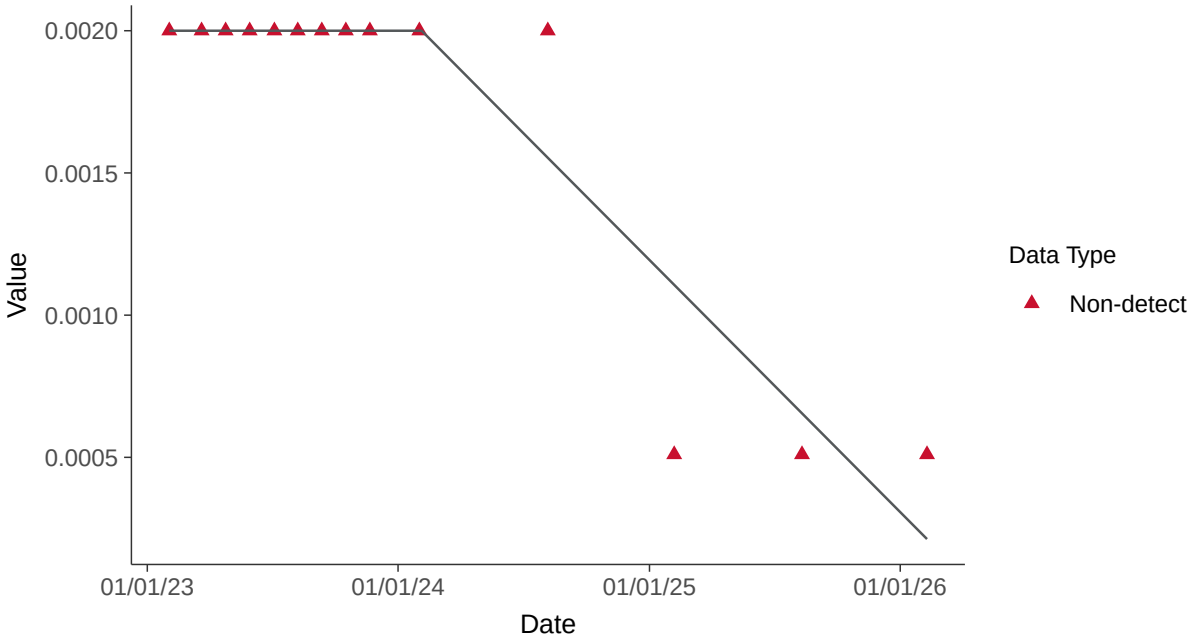
Boxplot by Season

Thallium, MW-16C (mg/l)



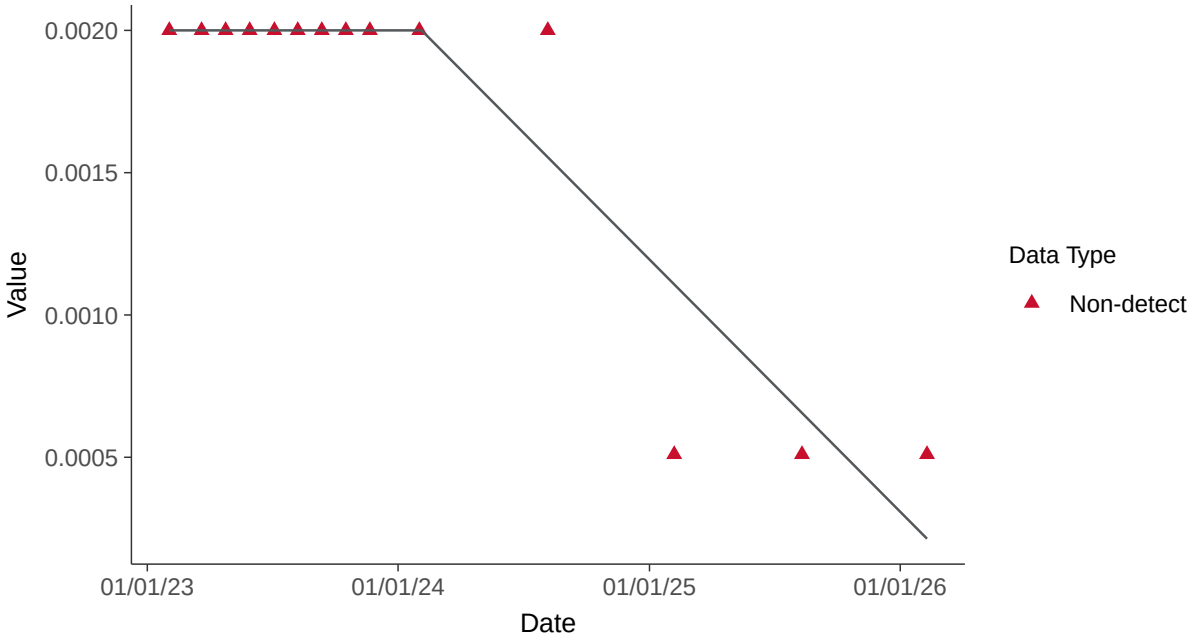
Trend Regression: Piecewise Linear-Linear

Thallium, MW-16C (mg/l)



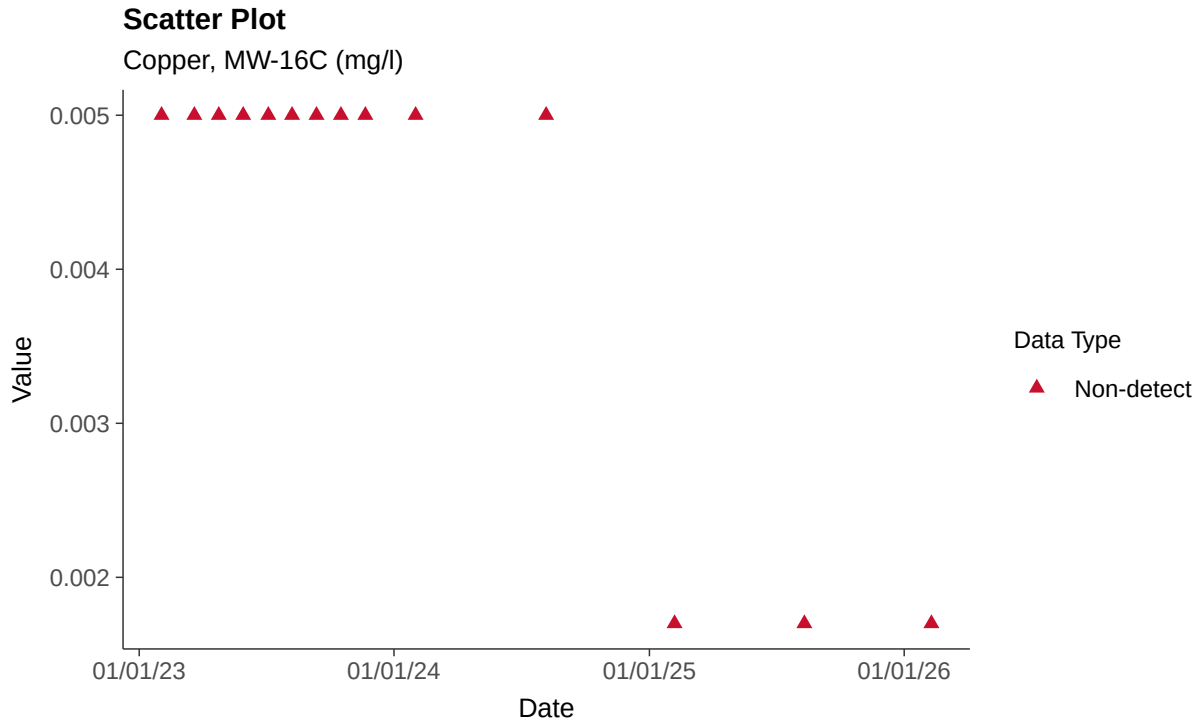
Trend Regression: Piecewise Linear-Linear-Linear

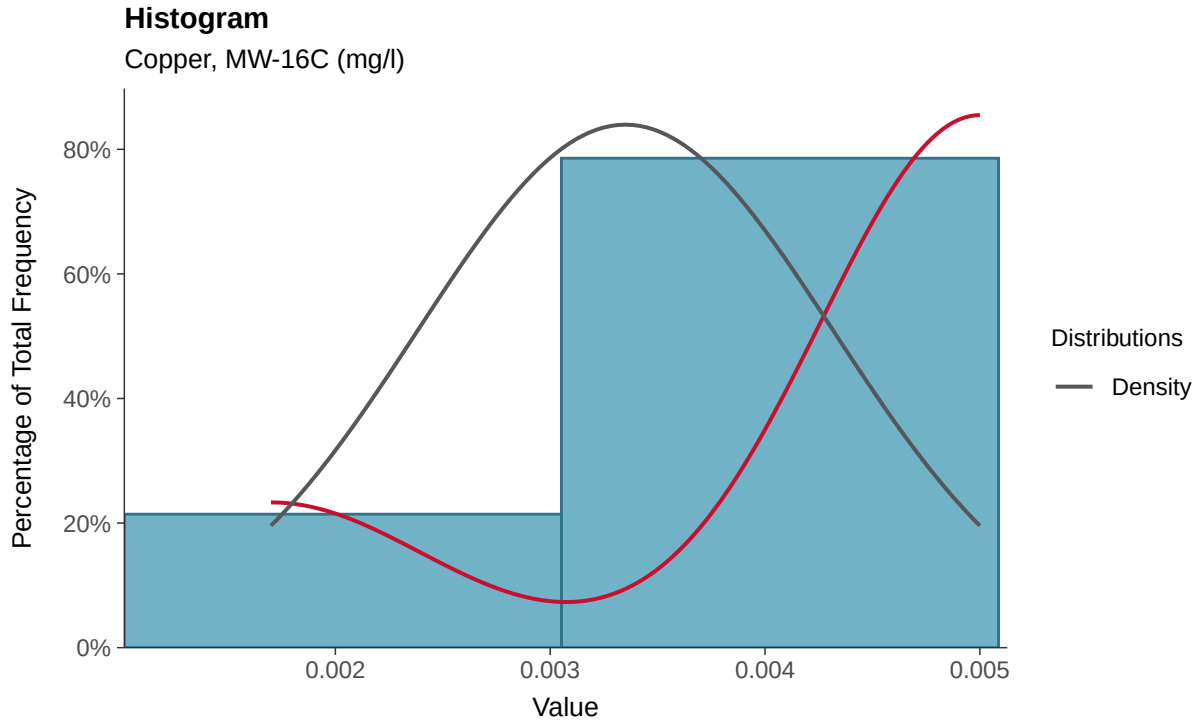
Thallium, MW-16C (mg/l)



Part 115: Copper, MW-16C

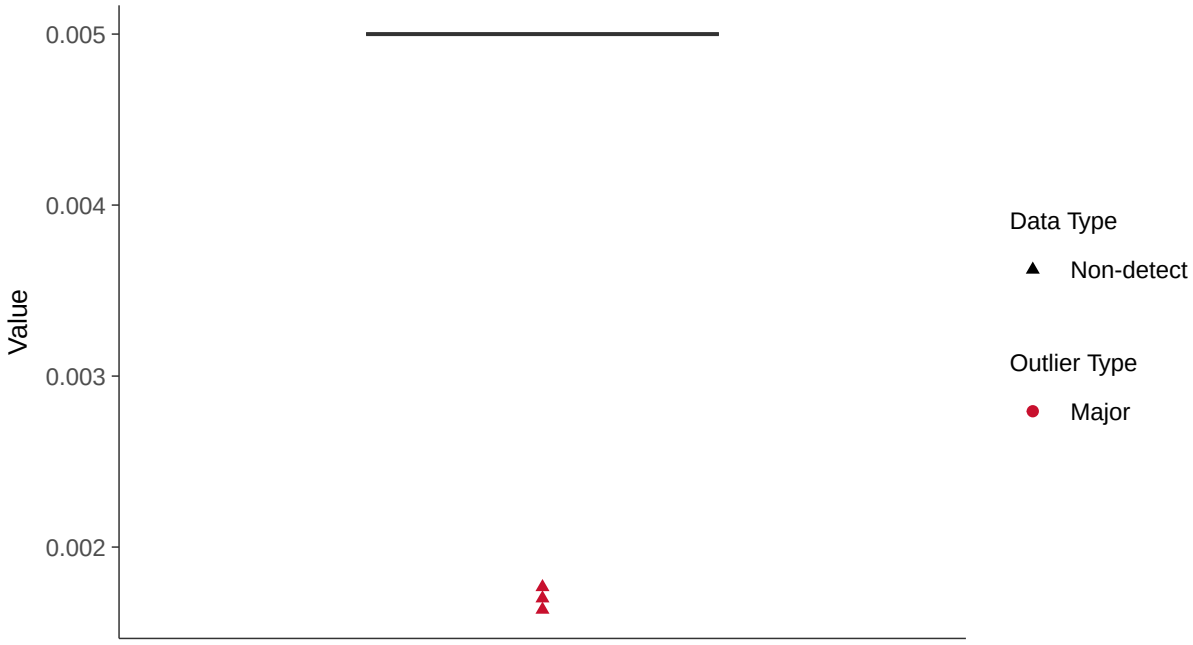
ID: 12_5_111





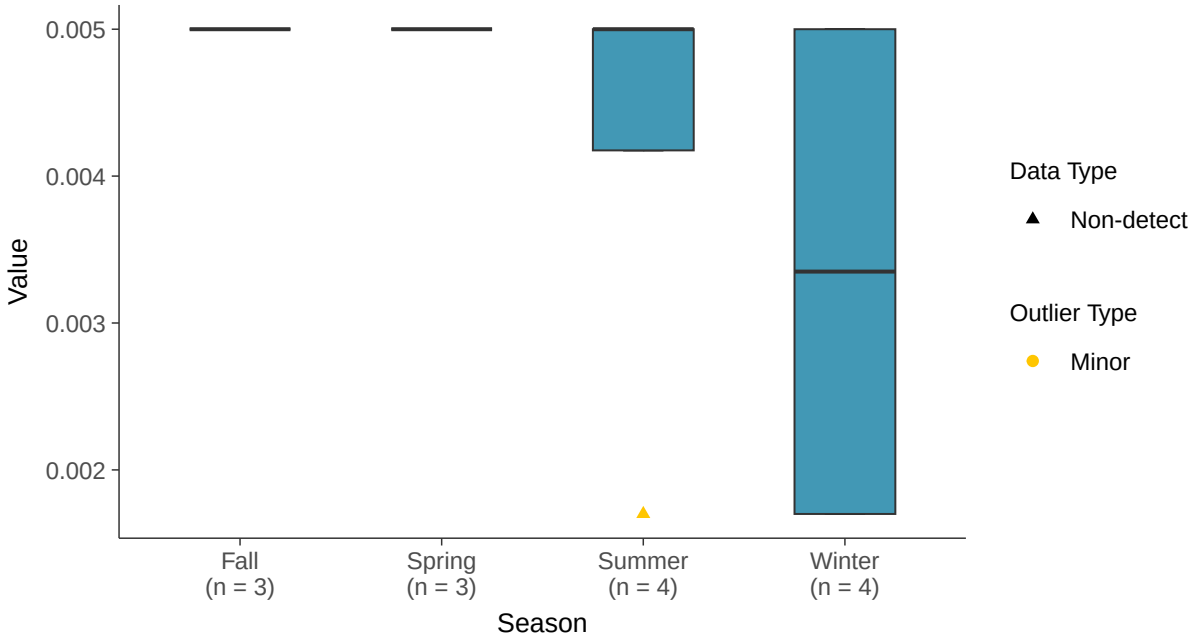
Boxplot

Copper, MW-16C (mg/l)



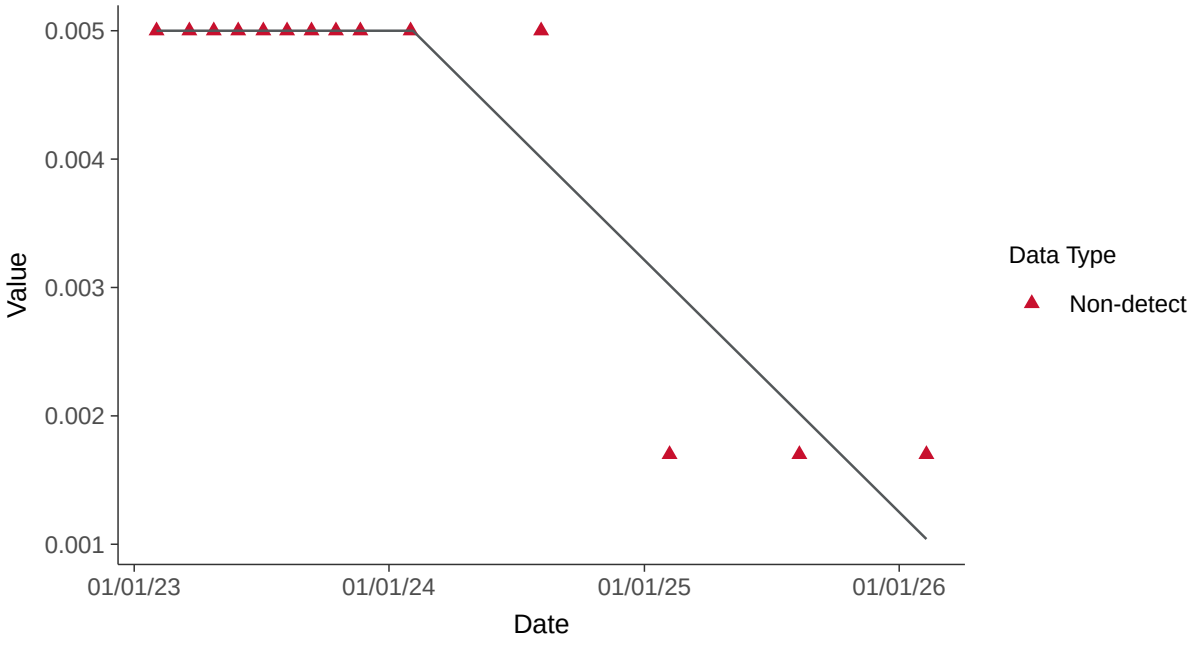
Boxplot by Season

Copper, MW-16C (mg/l)



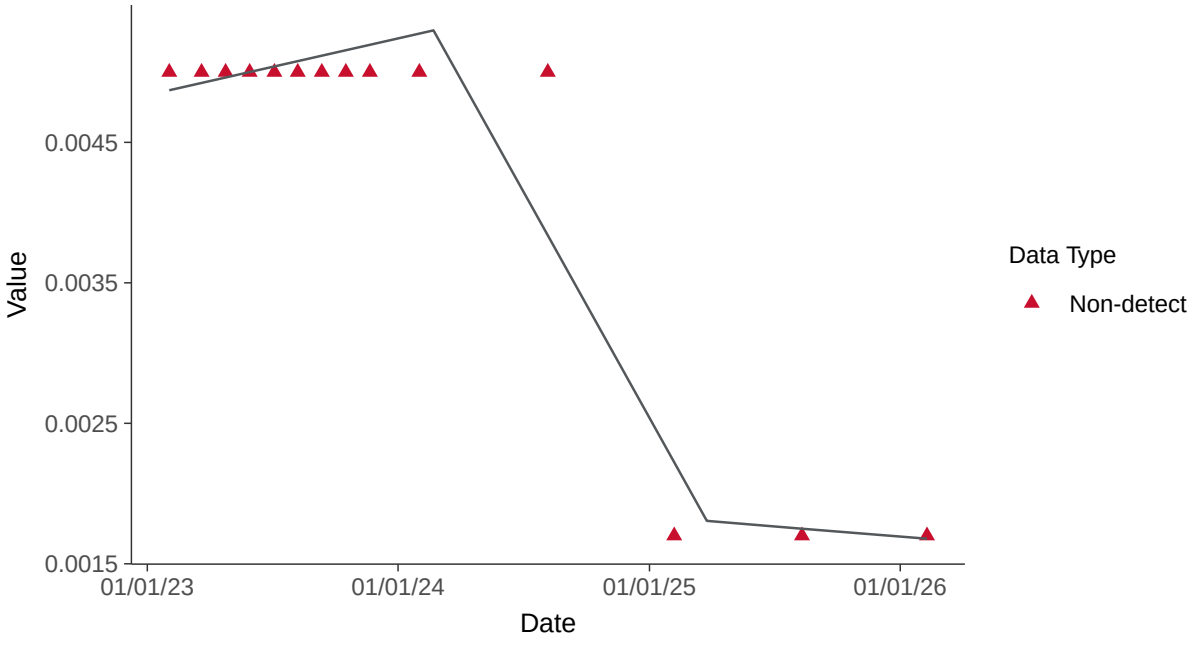
Trend Regression: Piecewise Linear-Linear

Copper, MW-16C (mg/l)



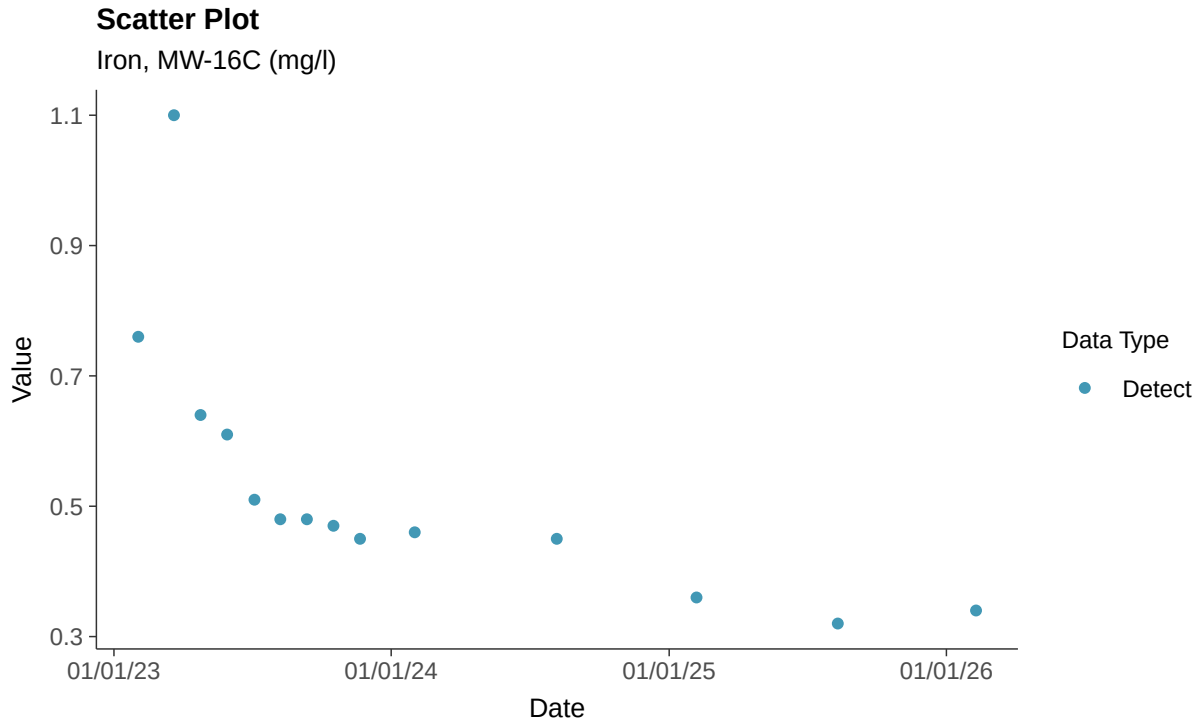
Trend Regression: Piecewise Linear-Linear-Linear

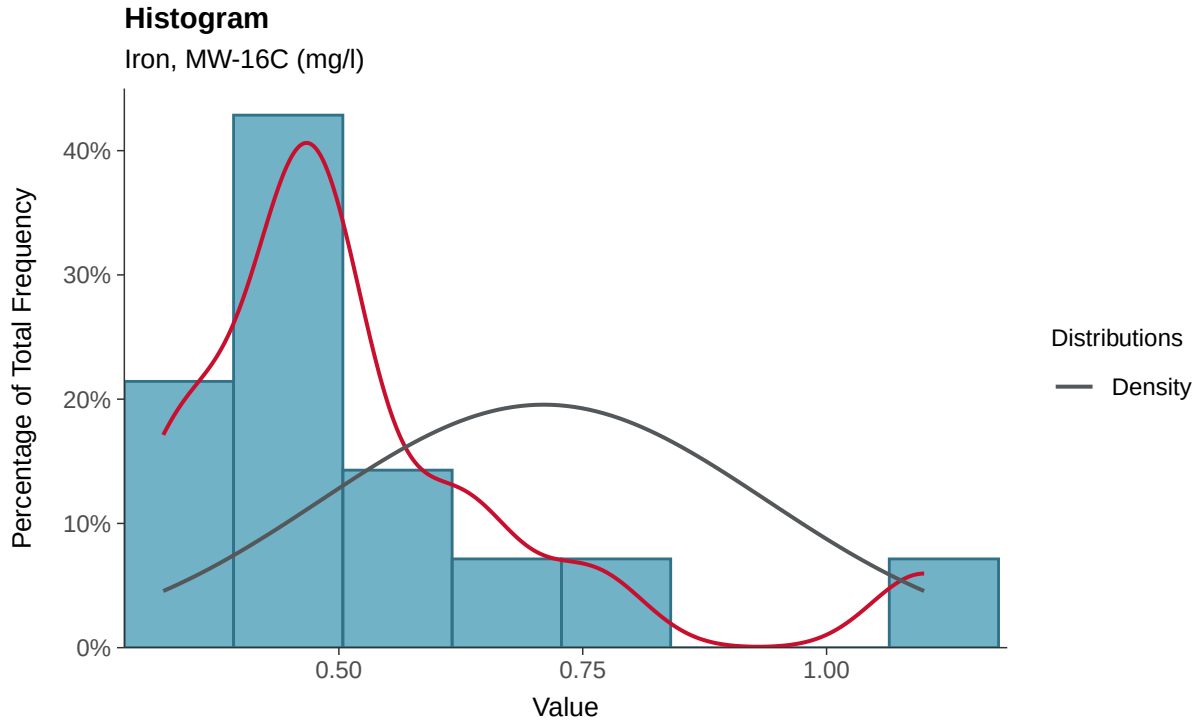
Copper, MW-16C (mg/l)



Part 115: Iron, MW-16C

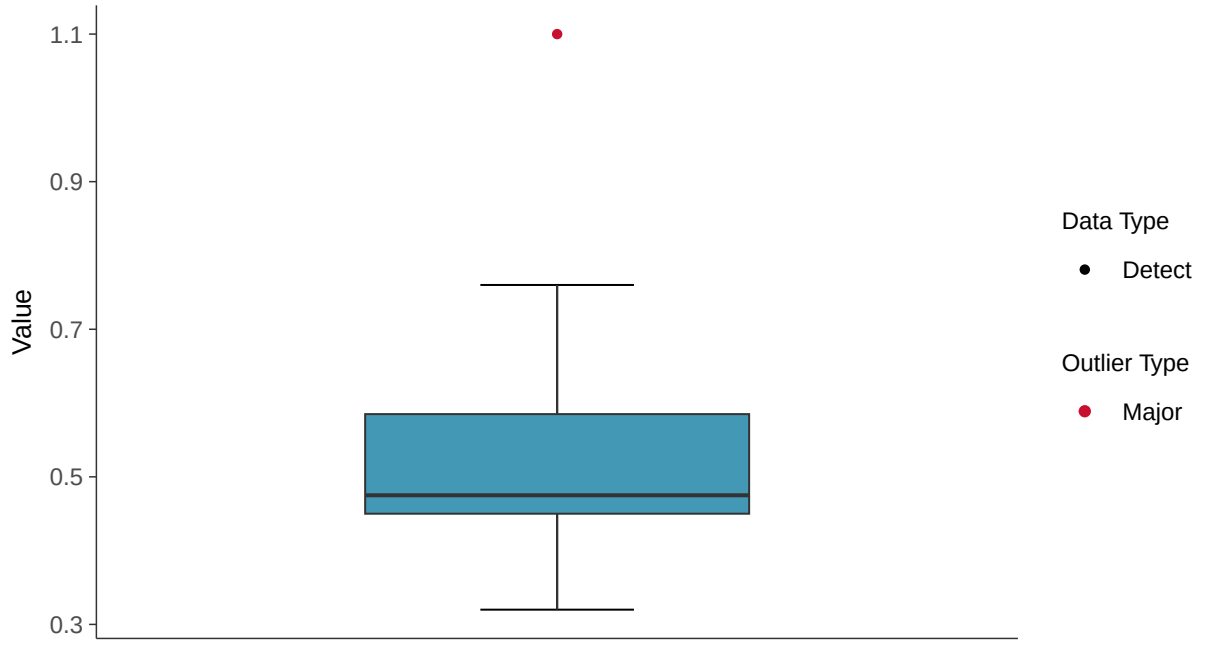
ID: 12_5_114





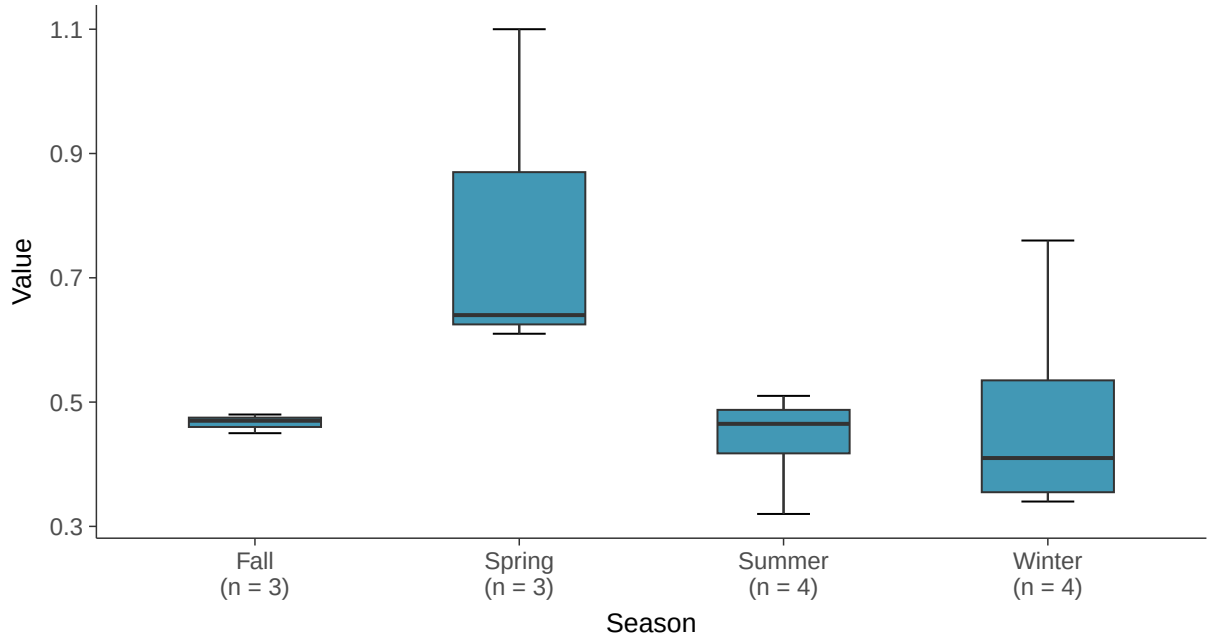
Boxplot

Iron, MW-16C (mg/l)



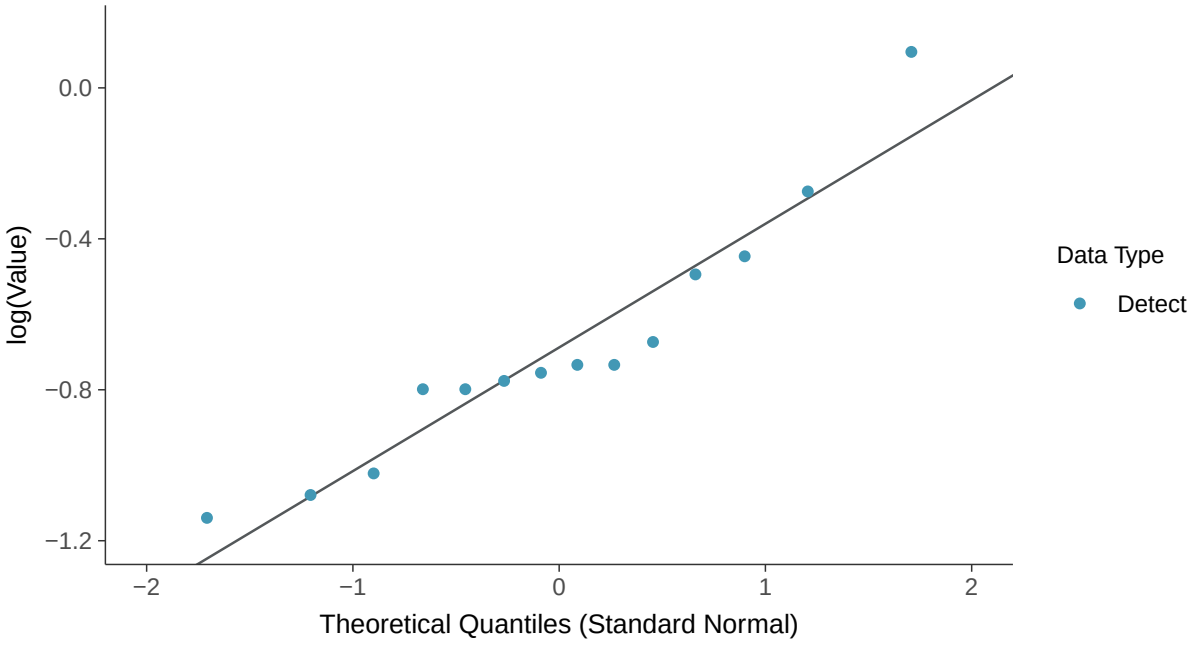
Boxplot by Season

Iron, MW-16C (mg/l)



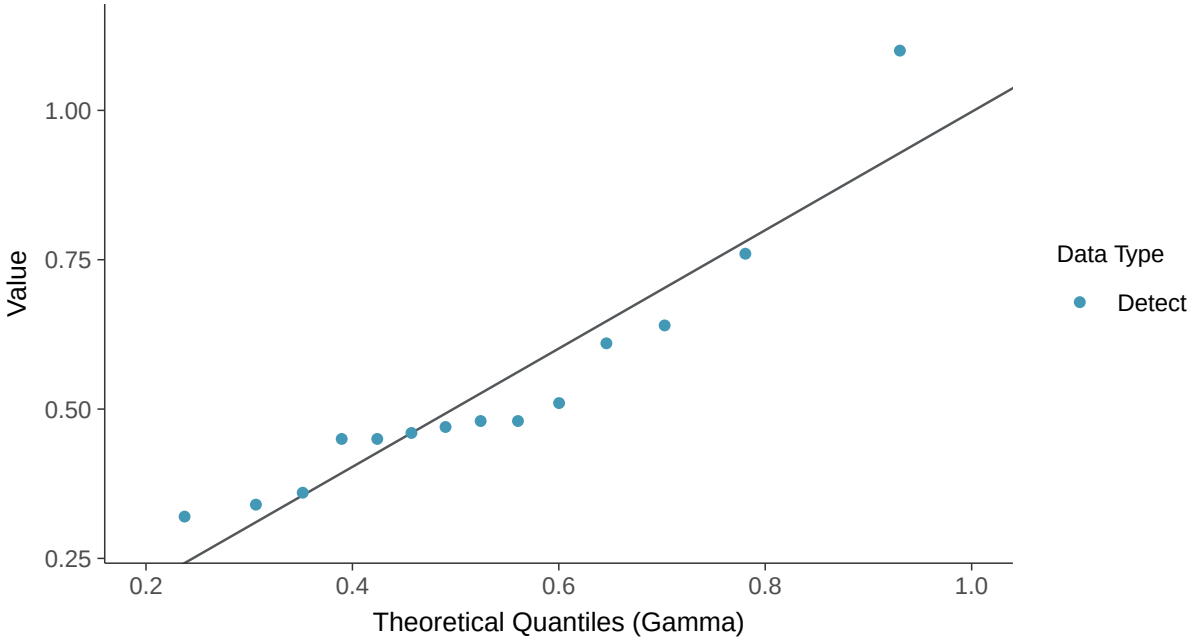
Lognormal Q-Q plot

Iron, MW-16C (mg/l)



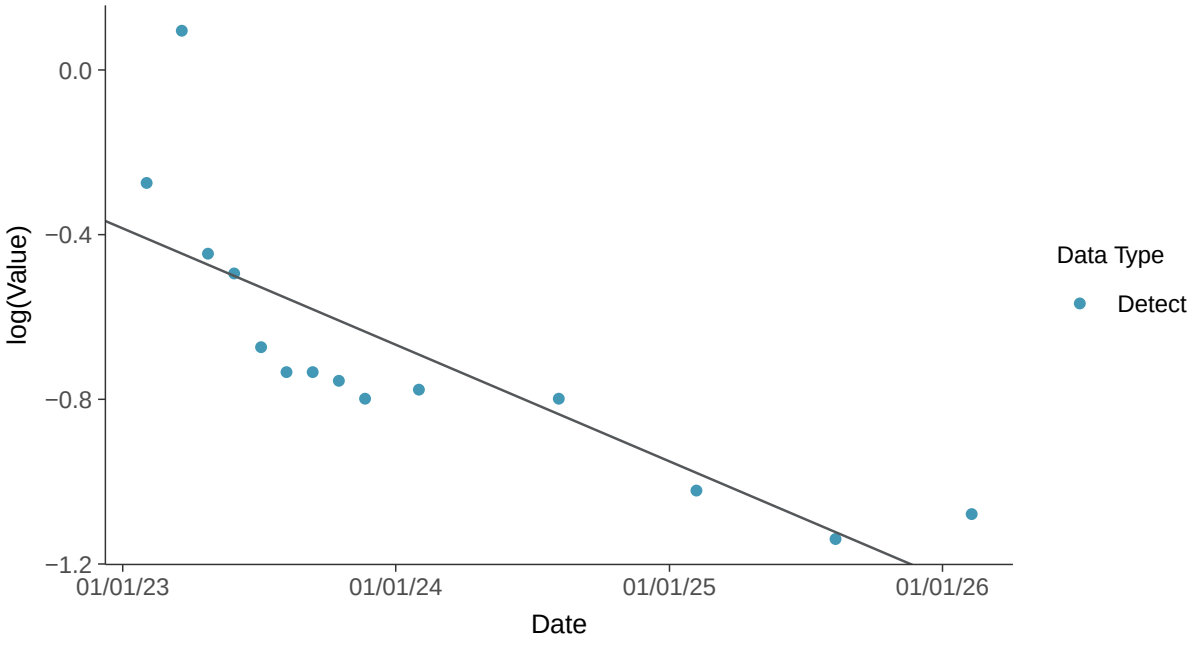
Gamma Q-Q plot

Iron, MW-16C (mg/l)



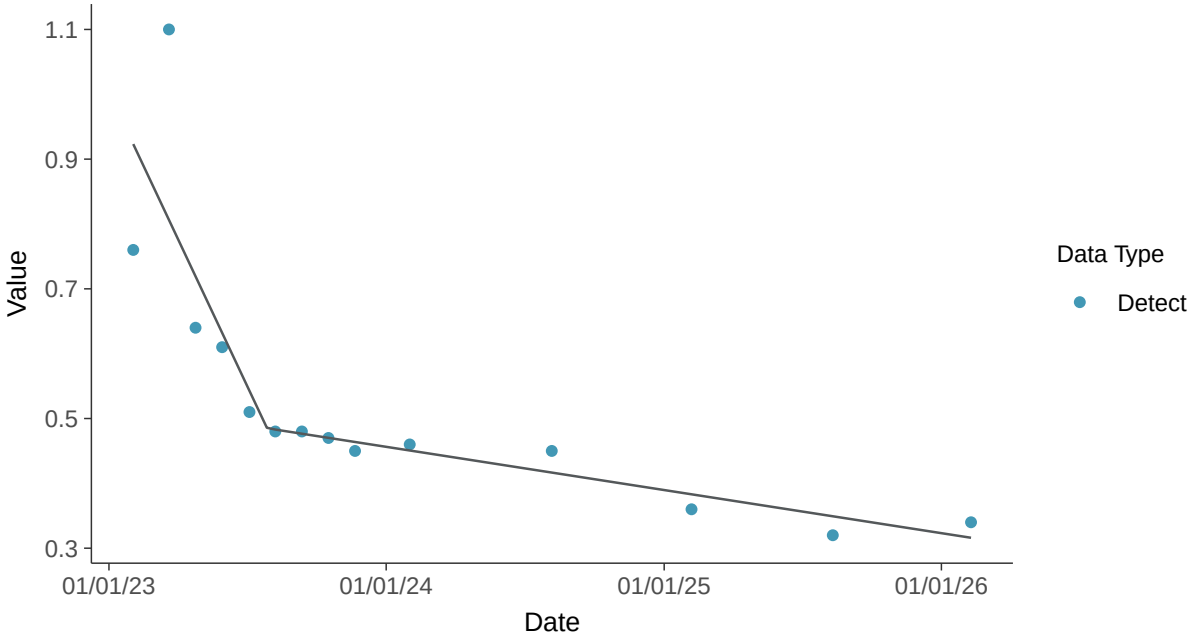
Trend Regression: Lognormal MLE

Iron, MW-16C (mg/l)



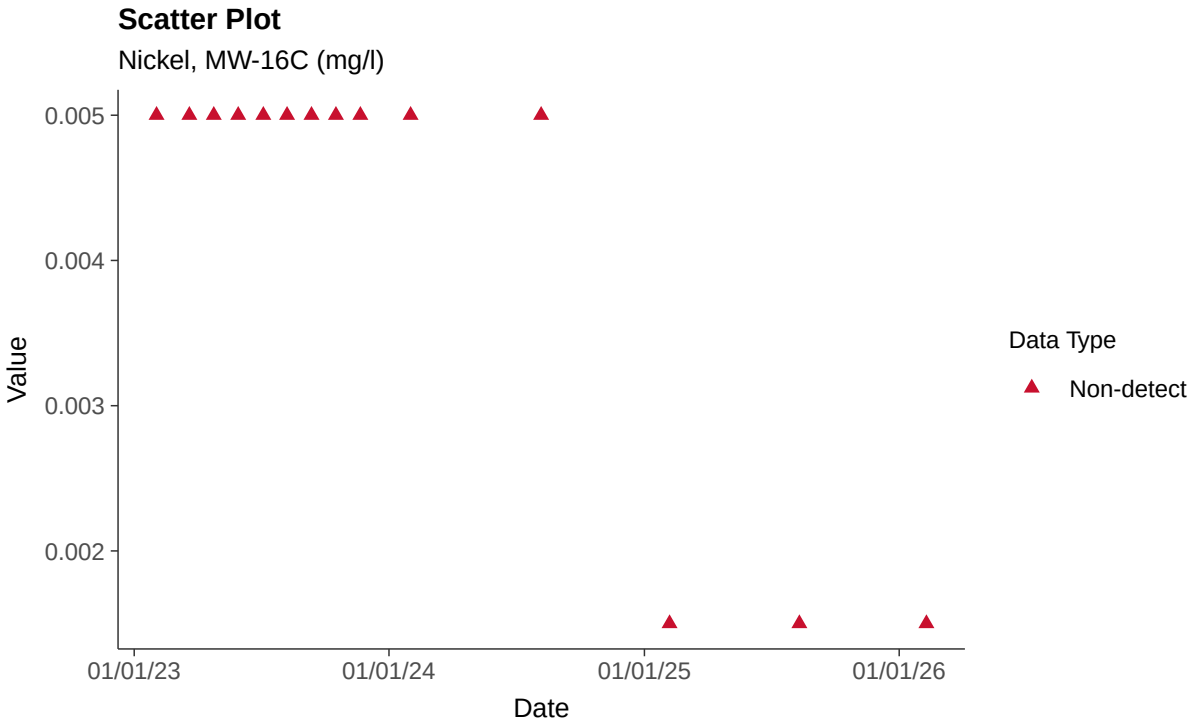
Trend Regression: Piecewise Linear-Linear

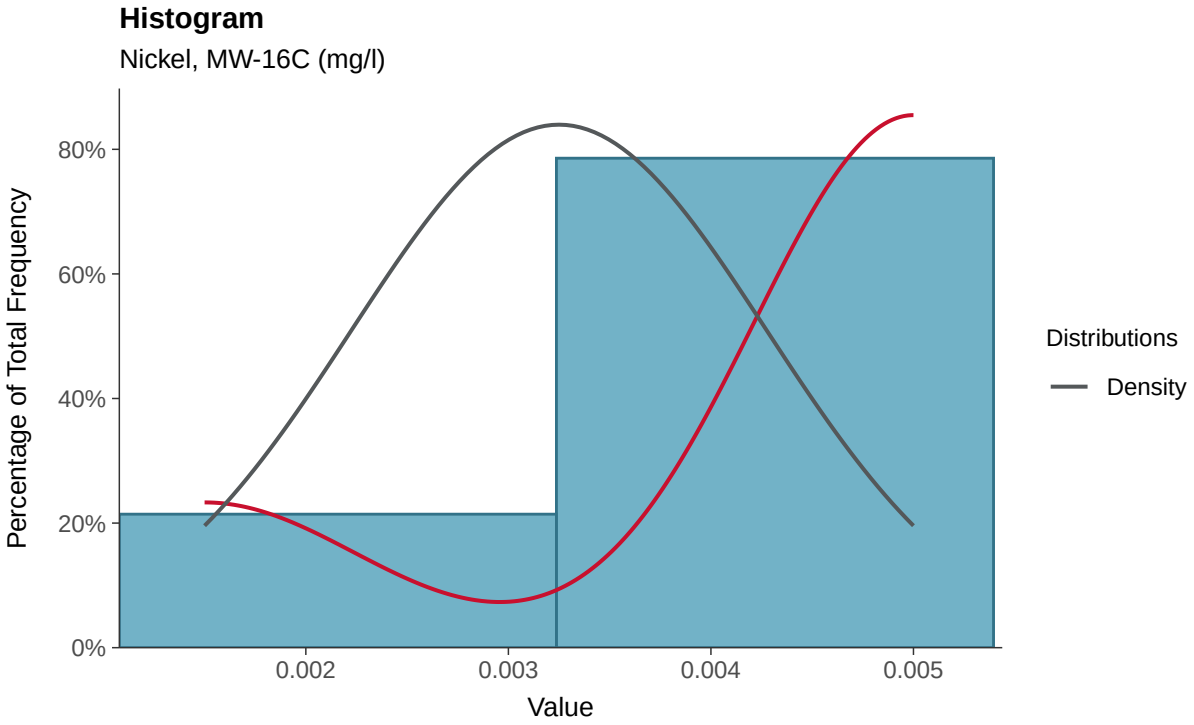
Iron, MW-16C (mg/l)



Part 115: Nickel, MW-16C

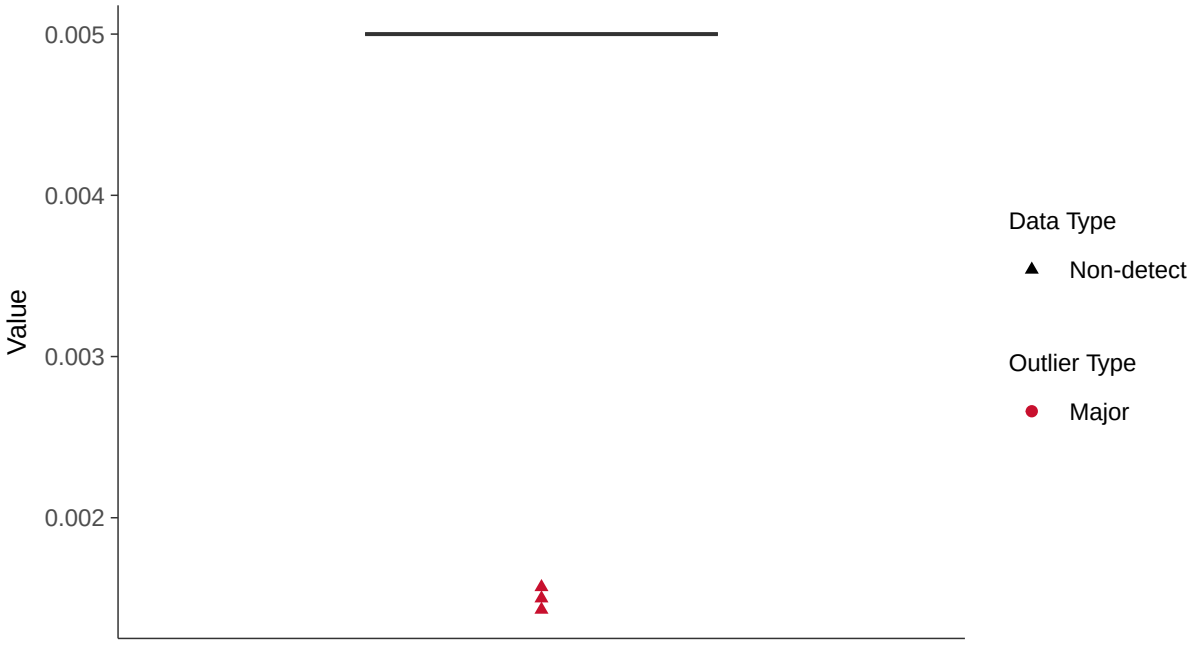
ID: 12_5_119





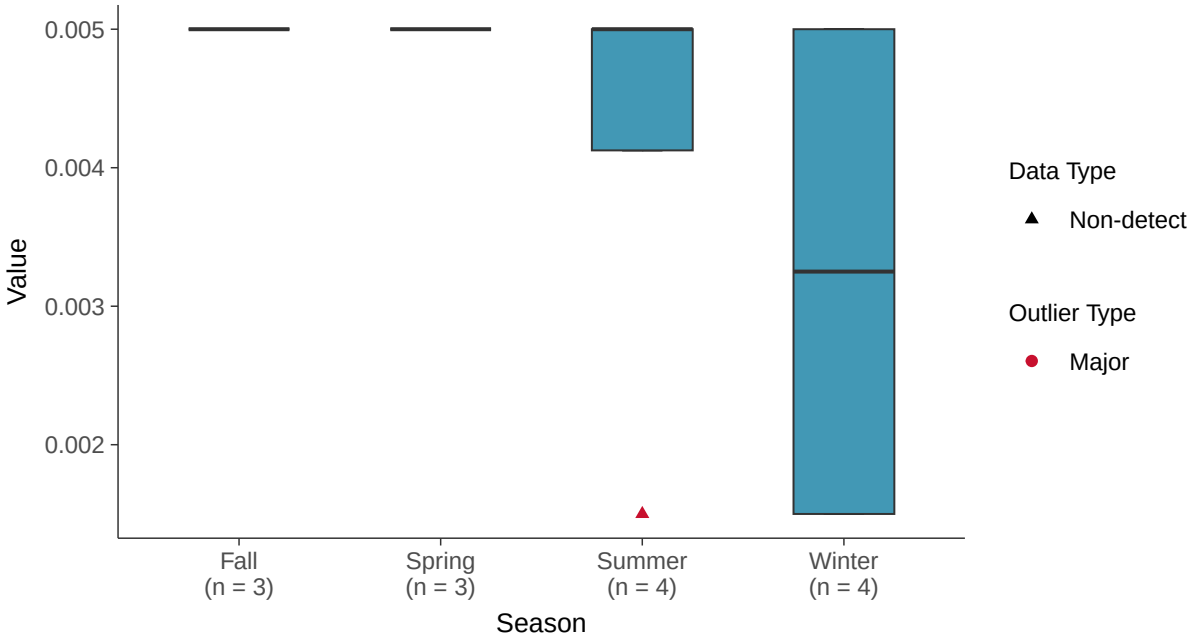
Boxplot

Nickel, MW-16C (mg/l)



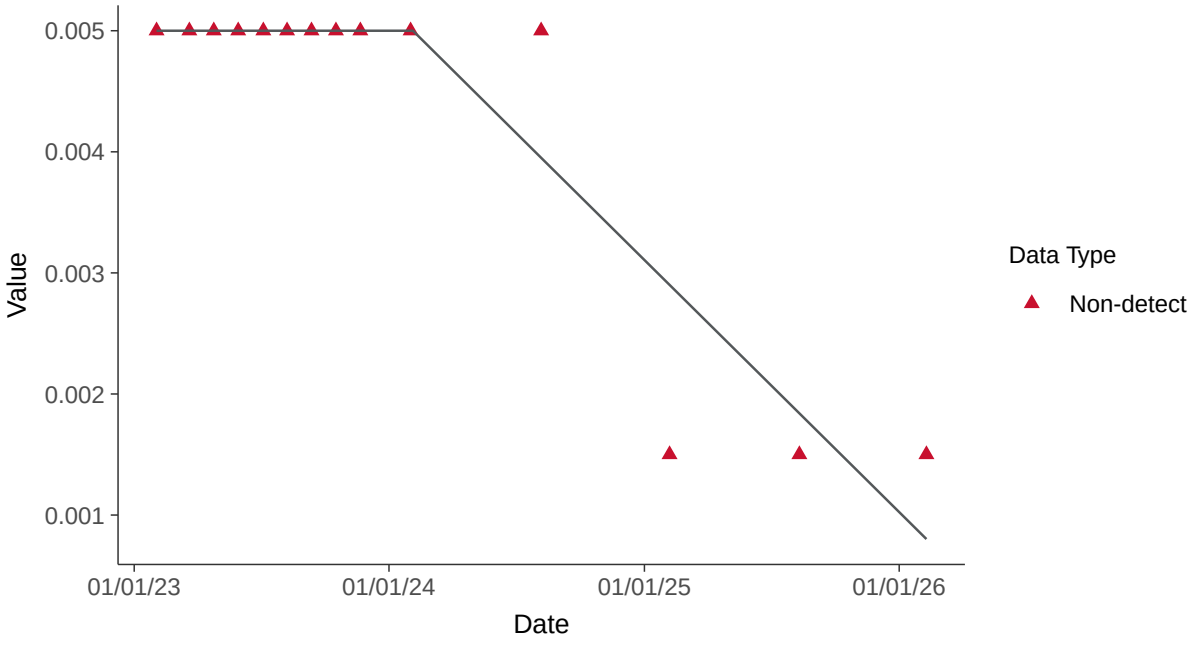
Boxplot by Season

Nickel, MW-16C (mg/l)



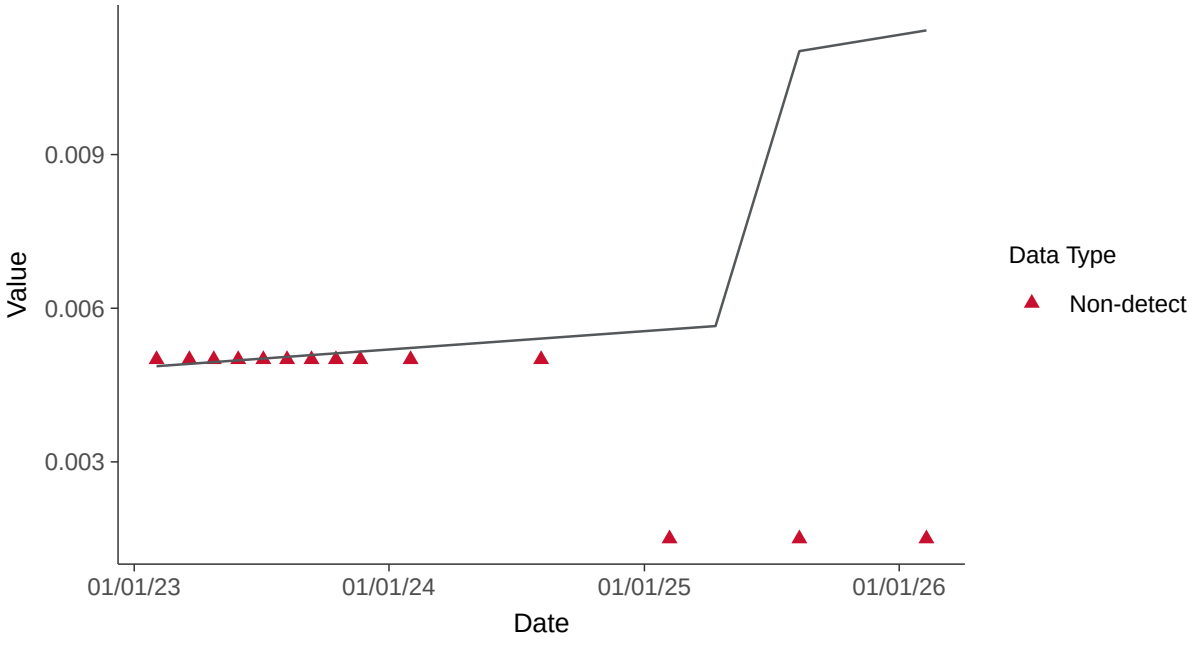
Trend Regression: Piecewise Linear-Linear

Nickel, MW-16C (mg/l)



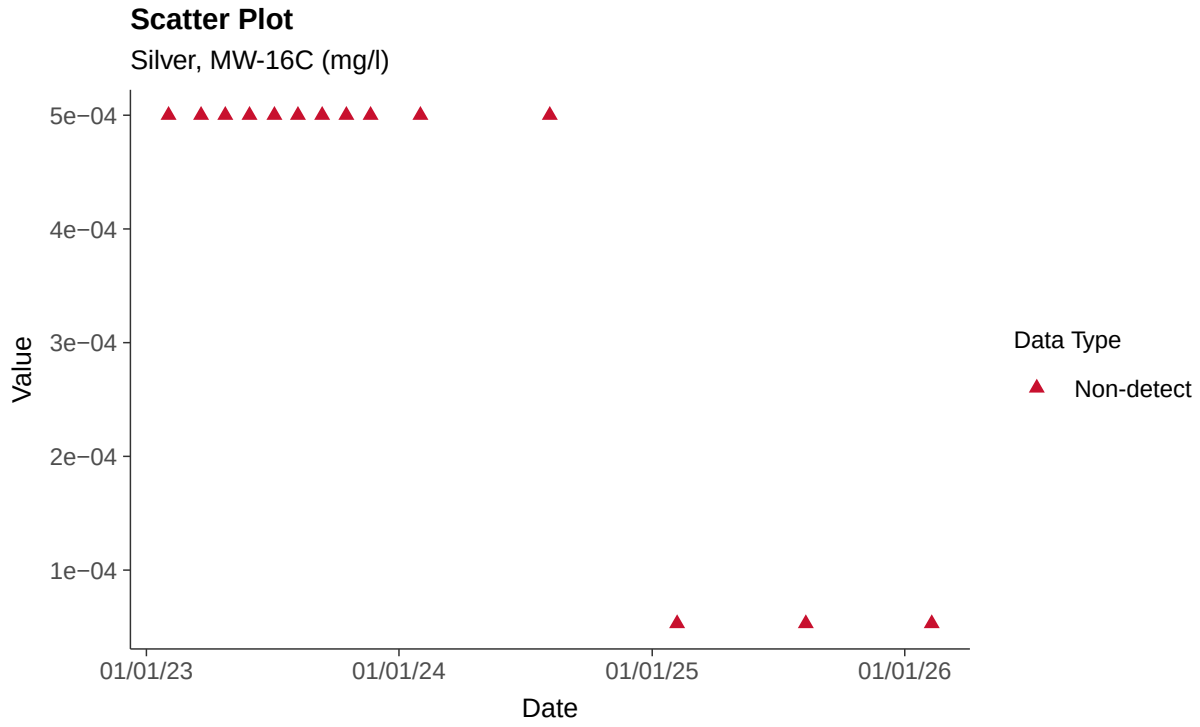
Trend Regression: Piecewise Linear-Linear-Linear

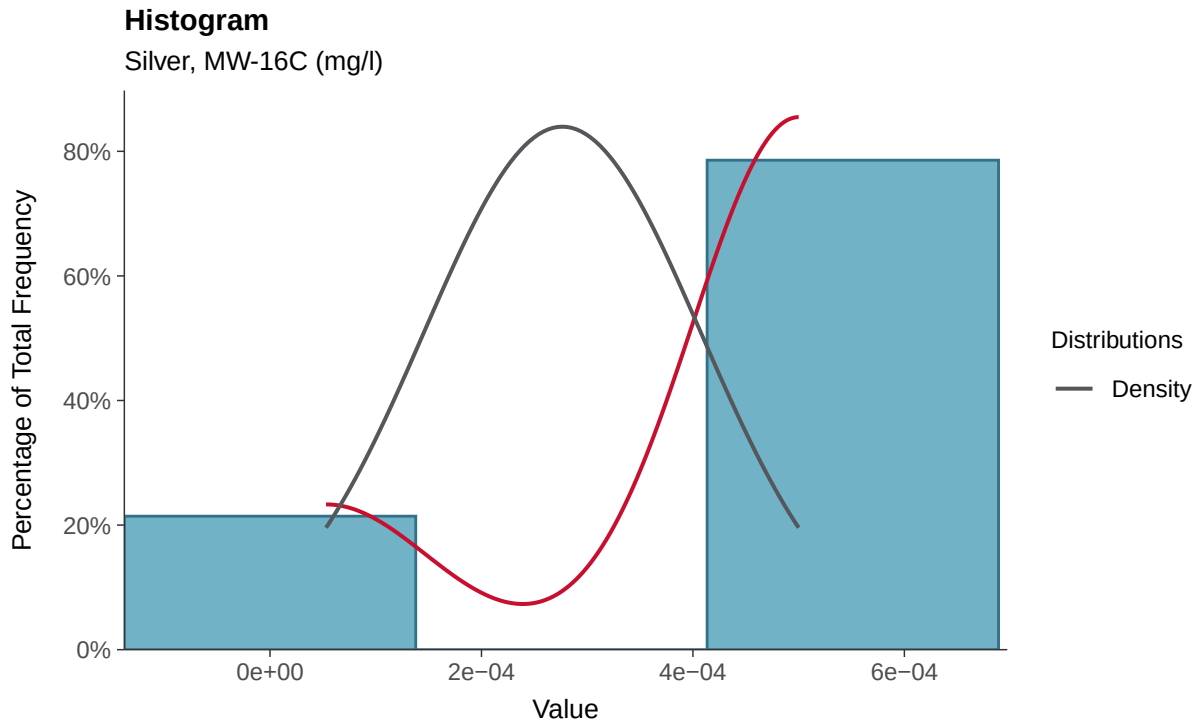
Nickel, MW-16C (mg/l)



Part 115: Silver, MW-16C

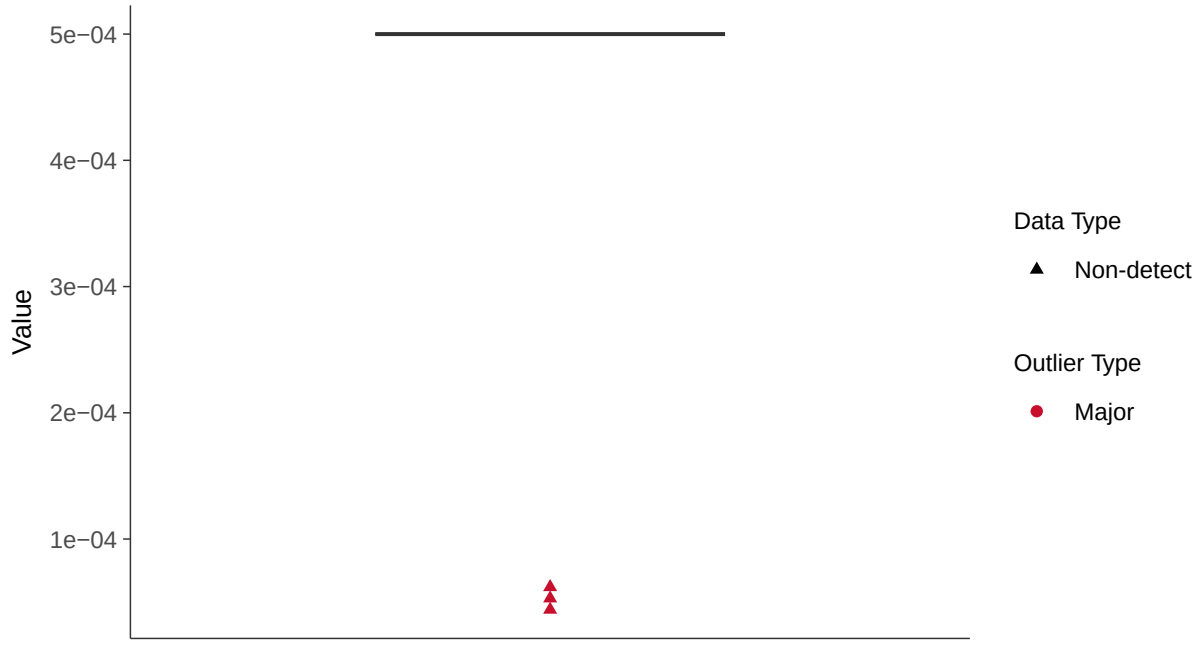
ID: 12_5_123





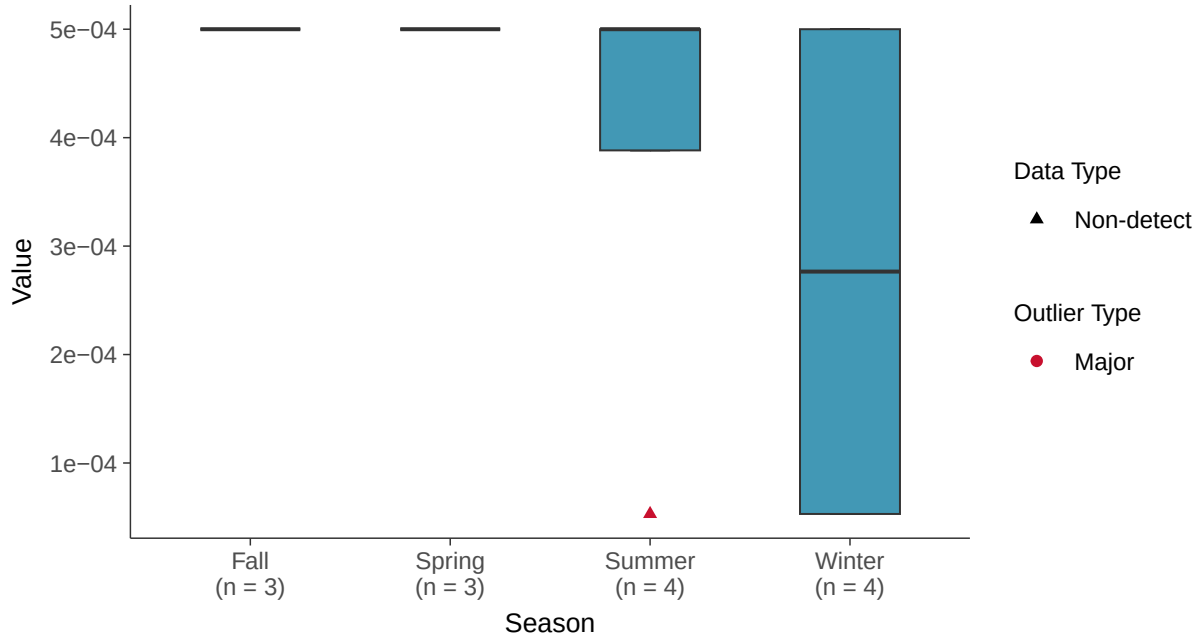
Boxplot

Silver, MW-16C (mg/l)



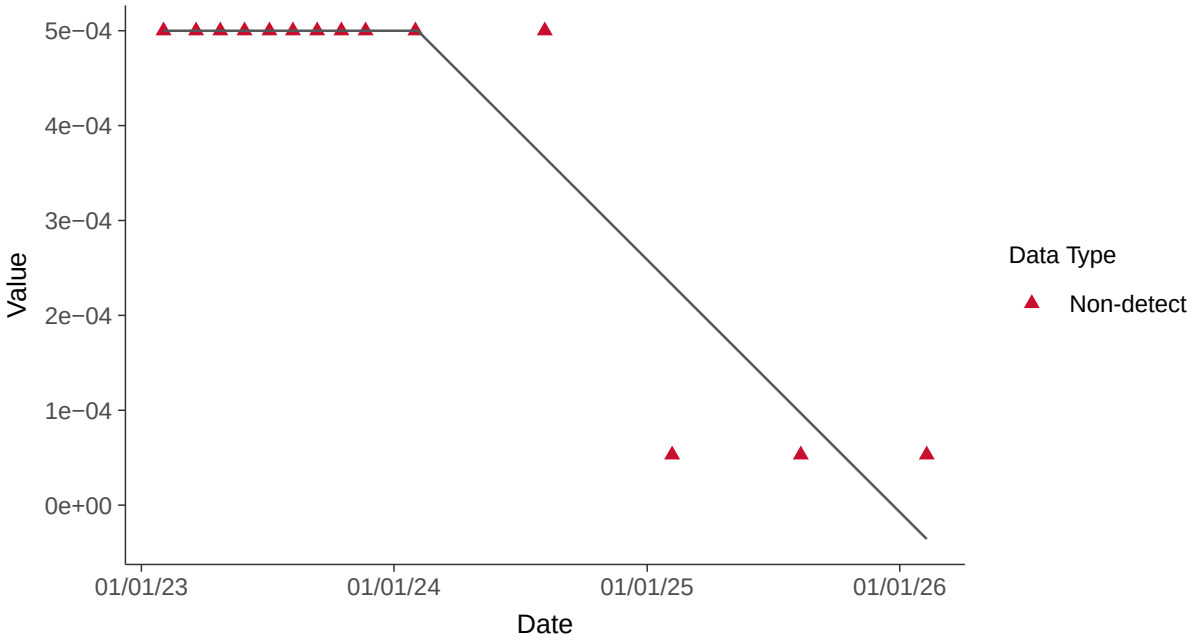
Boxplot by Season

Silver, MW-16C (mg/l)



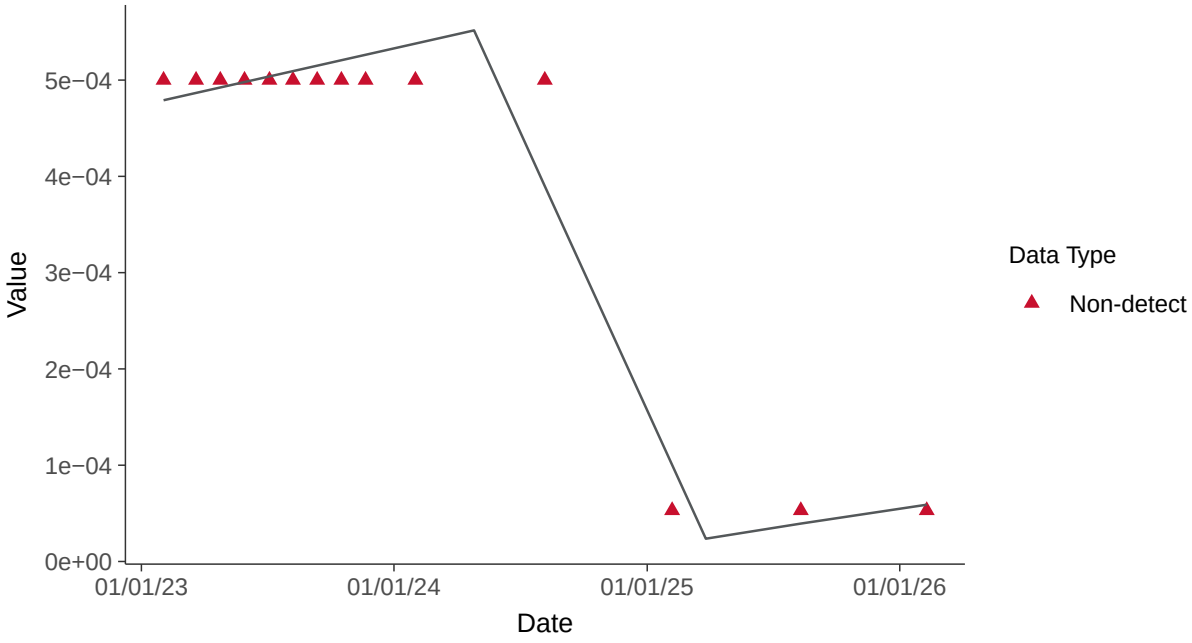
Trend Regression: Piecewise Linear-Linear

Silver, MW-16C (mg/l)



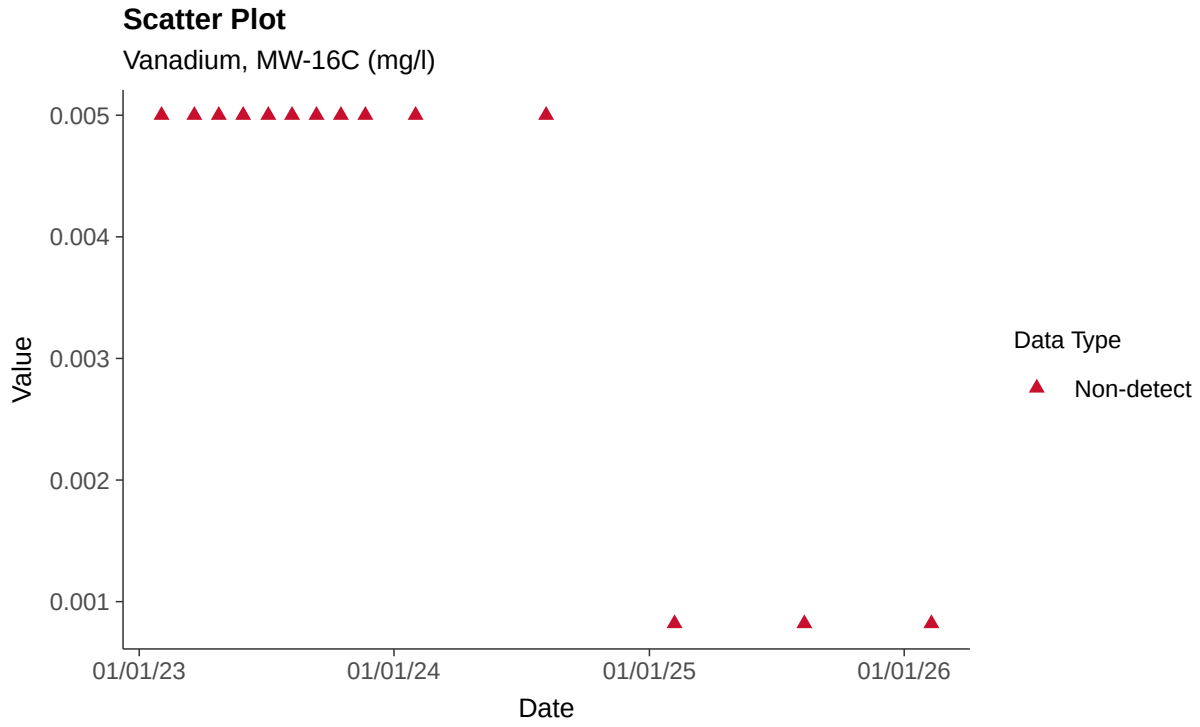
Trend Regression: Piecewise Linear-Linear-Linear

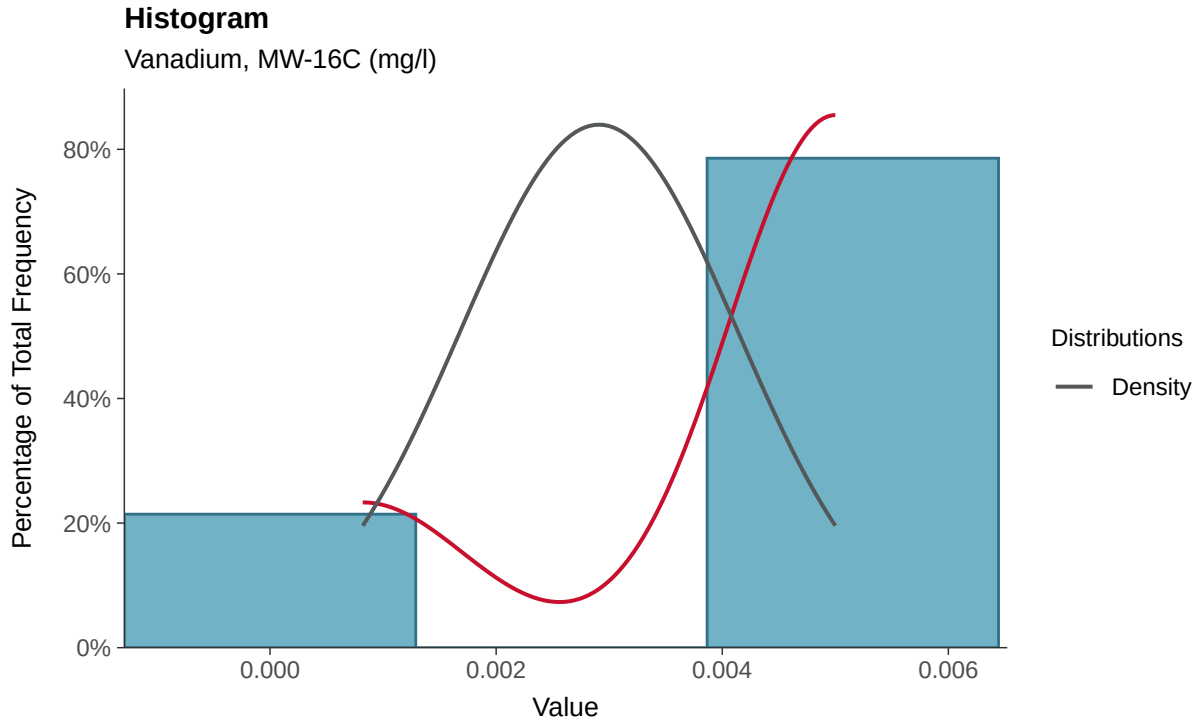
Silver, MW-16C (mg/l)



Part 115: Vanadium, MW-16C

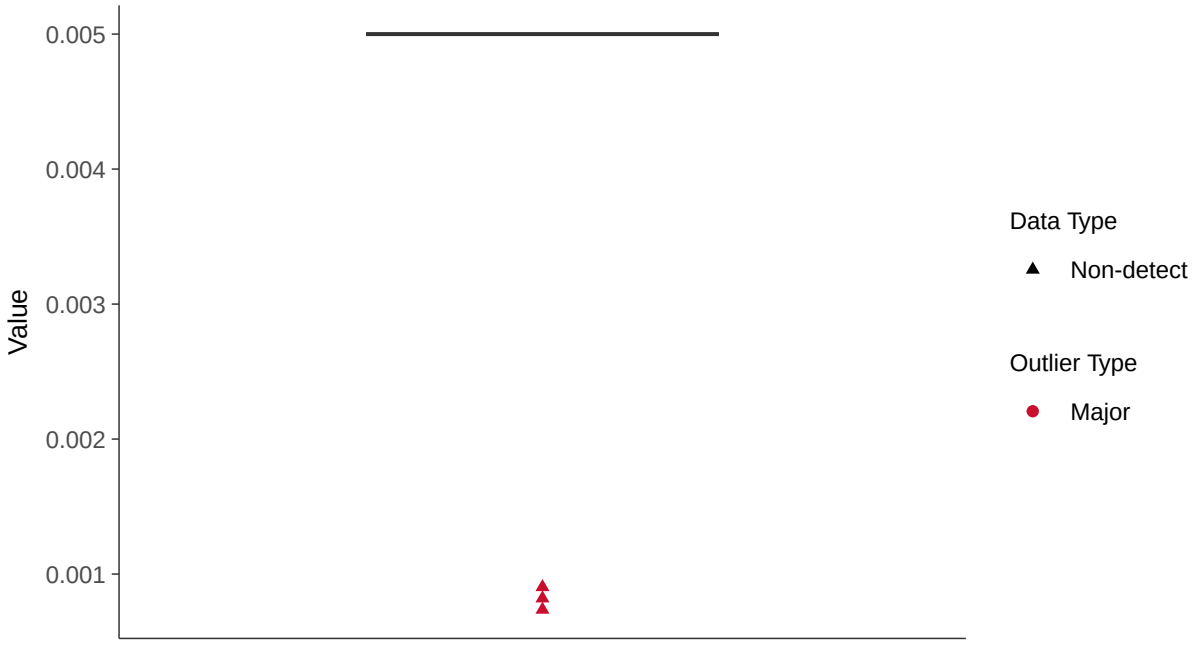
ID: 12_5_128





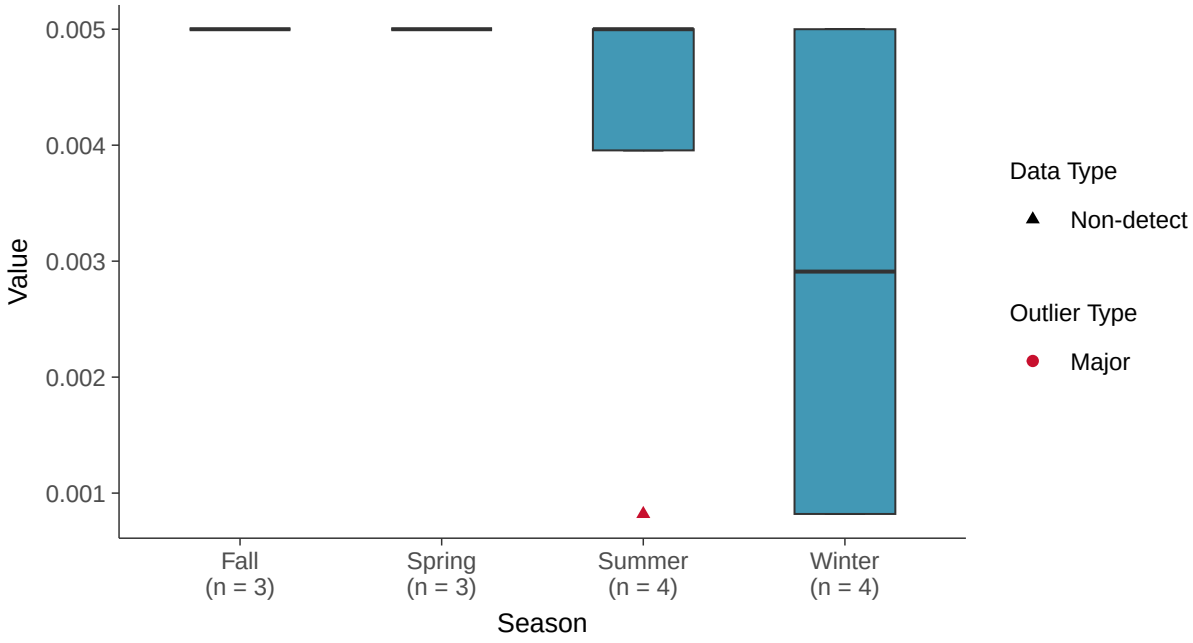
Boxplot

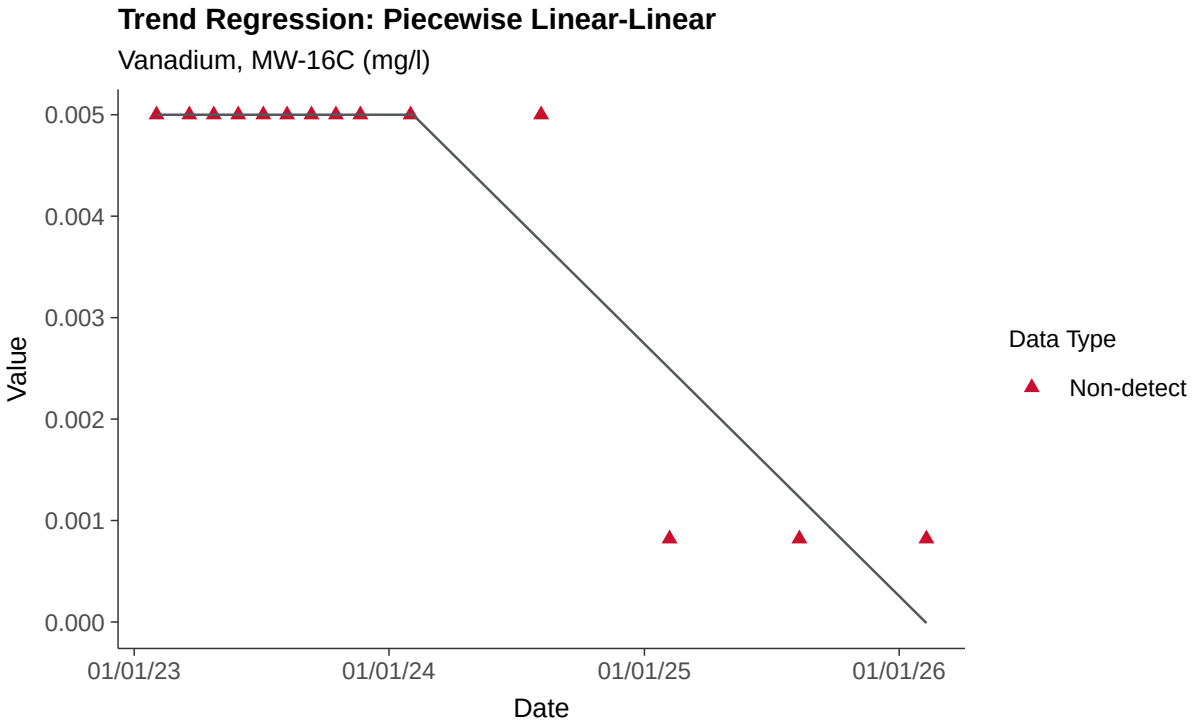
Vanadium, MW-16C (mg/l)



Boxplot by Season

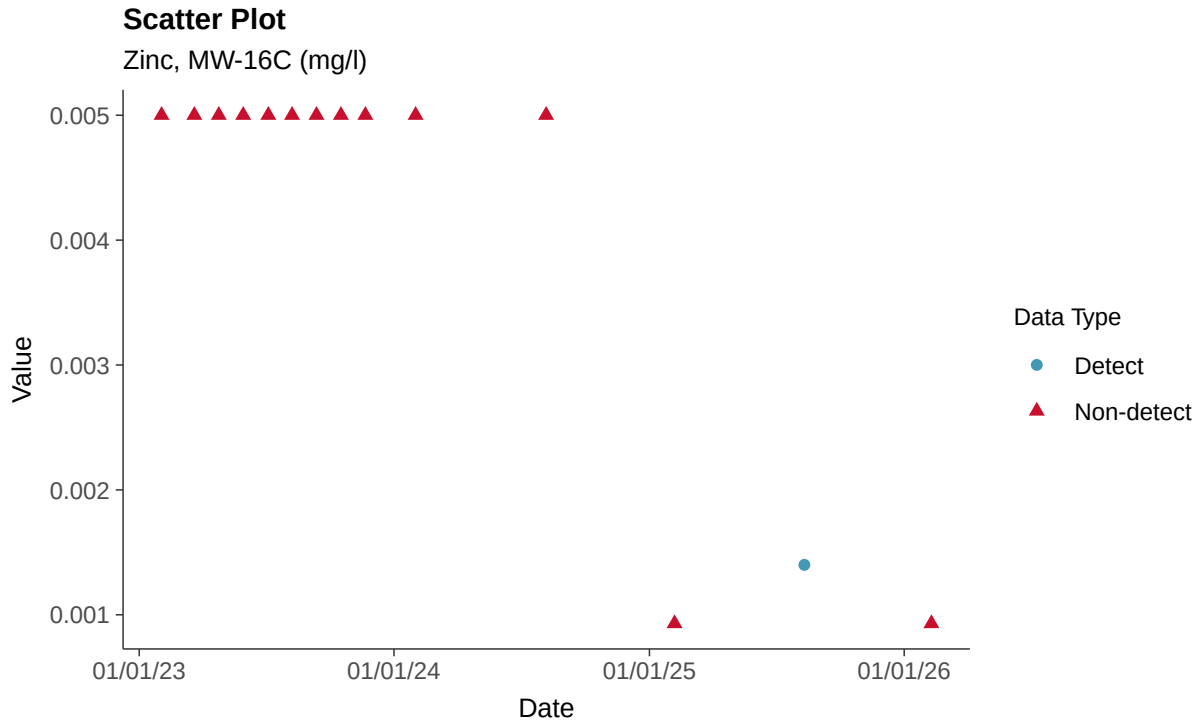
Vanadium, MW-16C (mg/l)

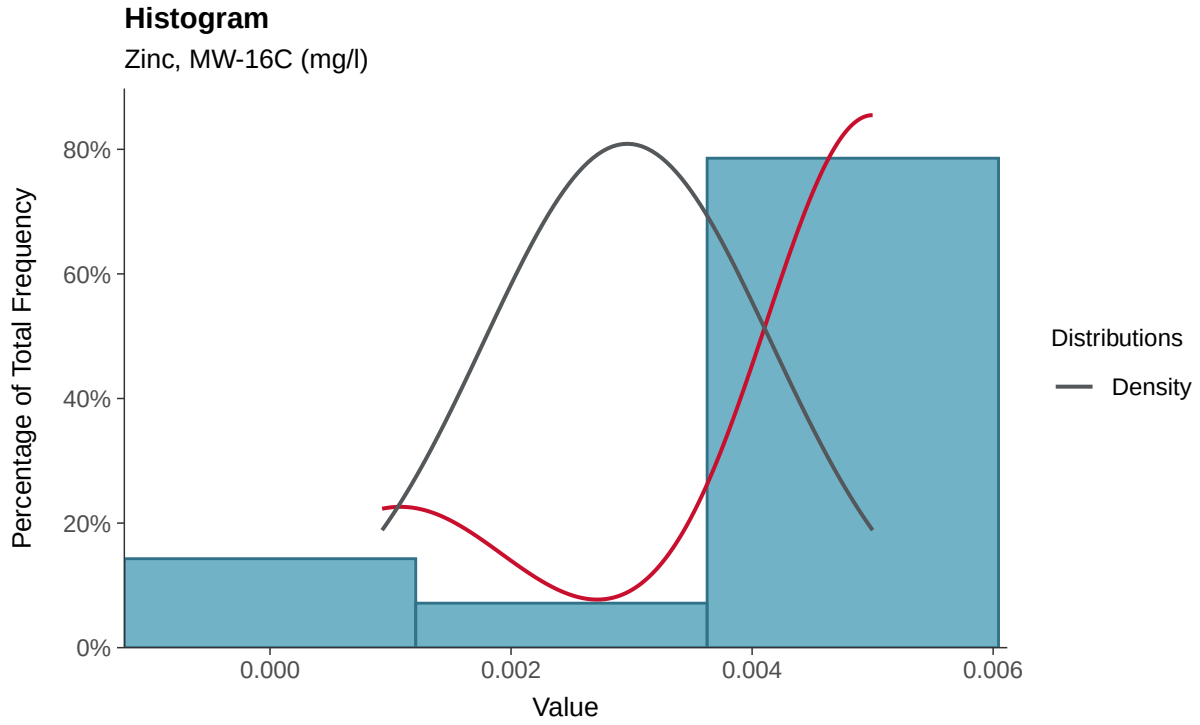



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-16C (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-16C

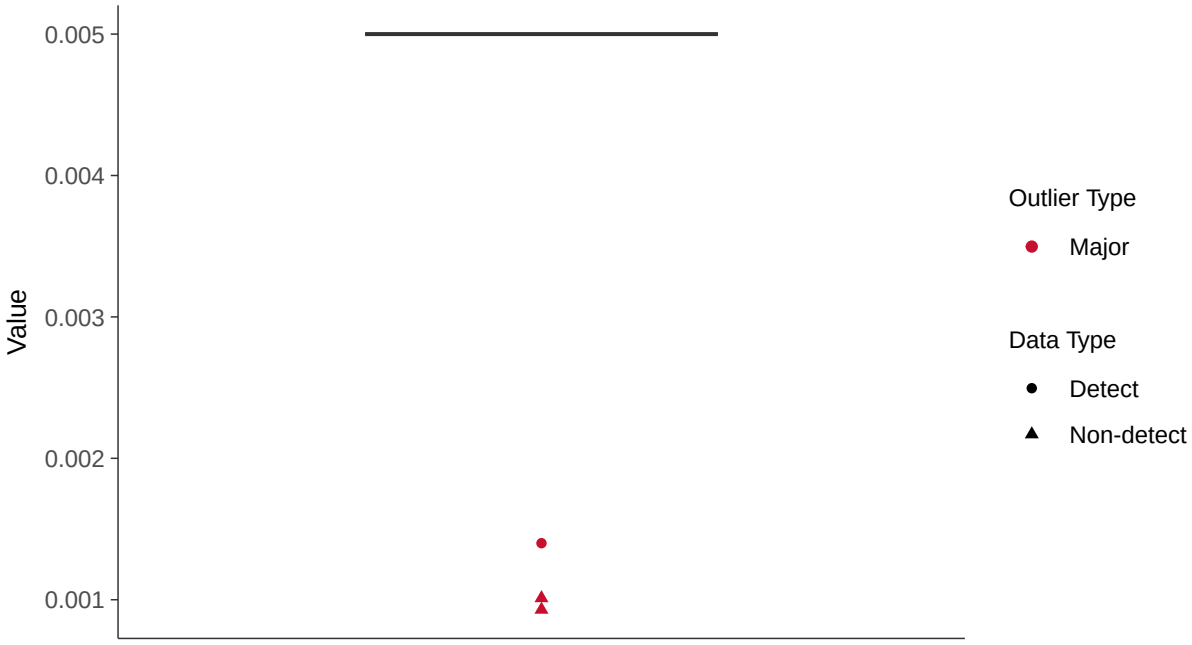
ID: 12_5_129





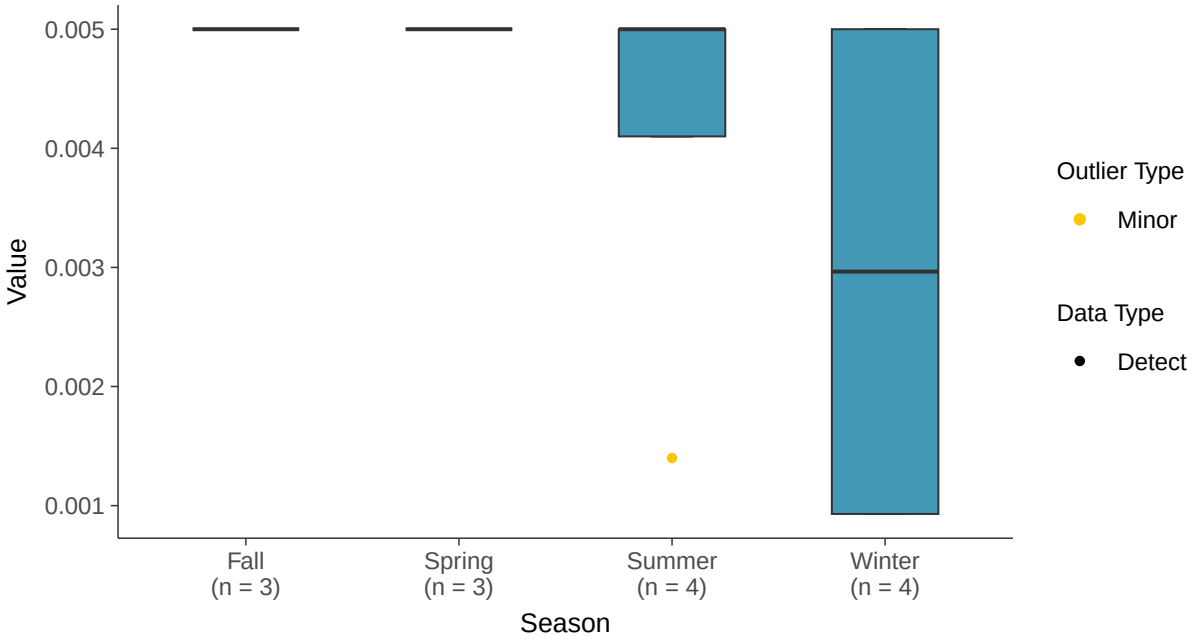
Boxplot

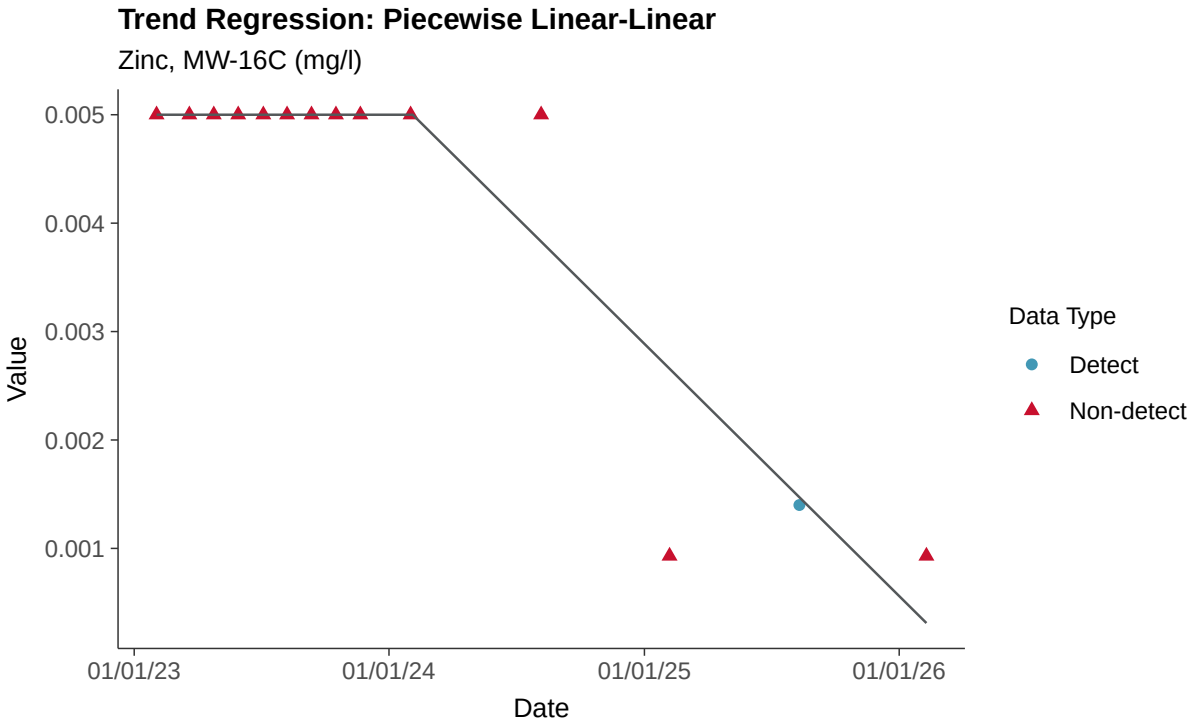
Zinc, MW-16C (mg/l)



Boxplot by Season

Zinc, MW-16C (mg/l)



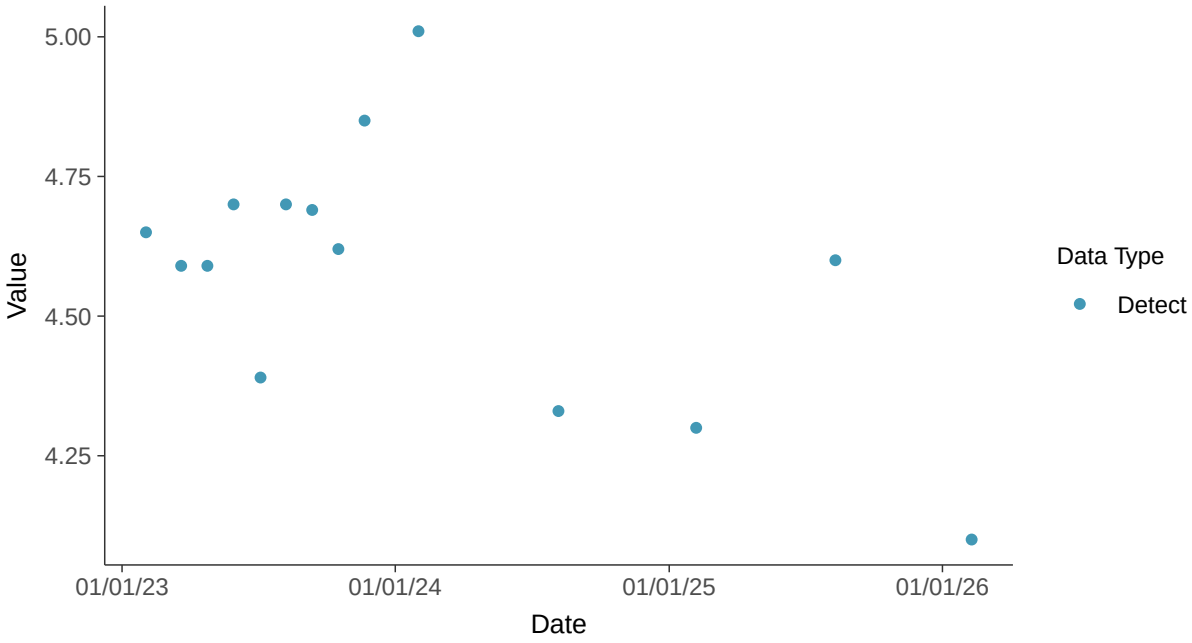

Trend Regression: Piecewise Linear-Linear
Zinc, MW-16C (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: Boron, MW-16D

ID: 13_2_105

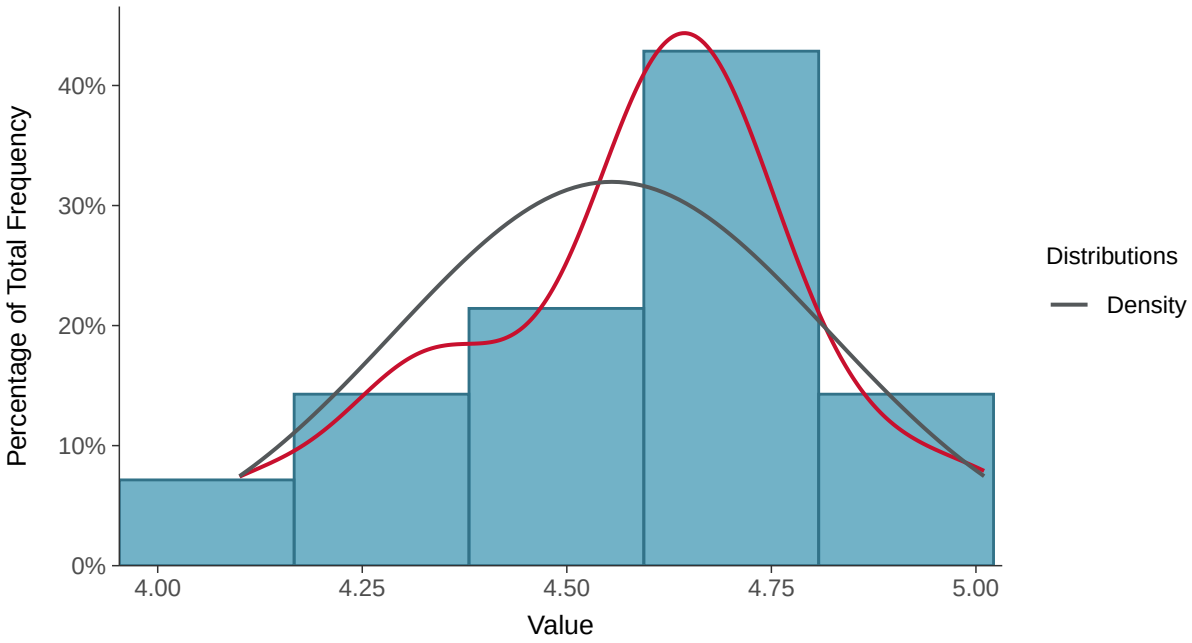
Scatter Plot

Boron, MW-16D (mg/l)



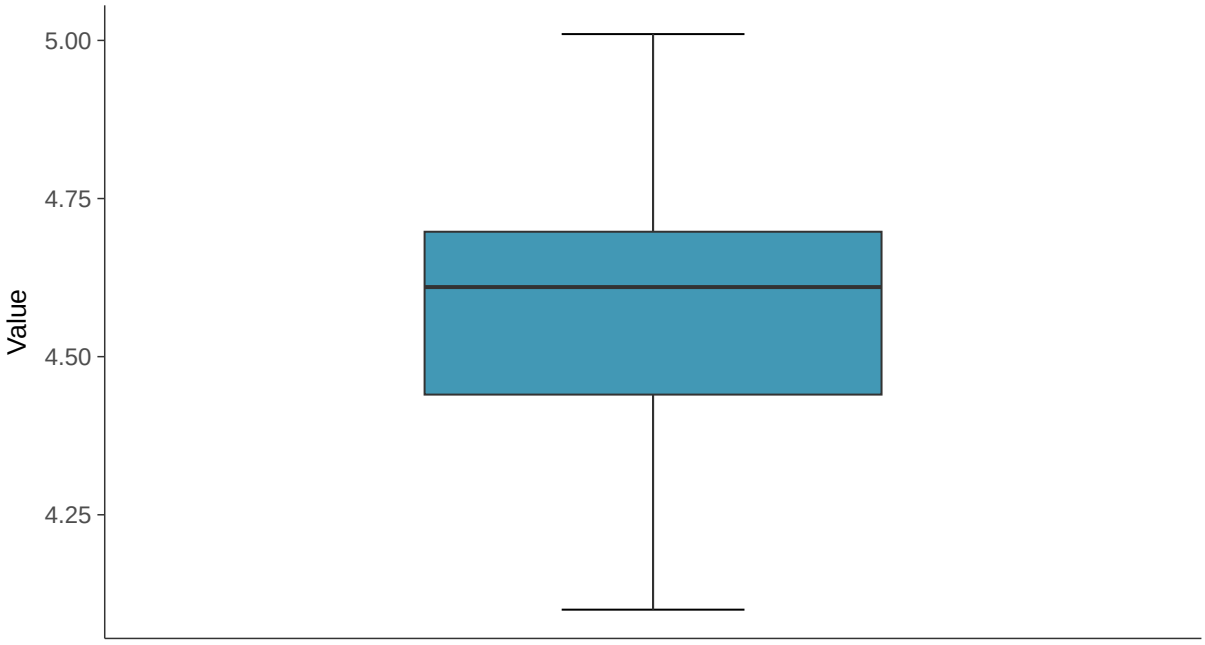
Histogram

Boron, MW-16D (mg/l)



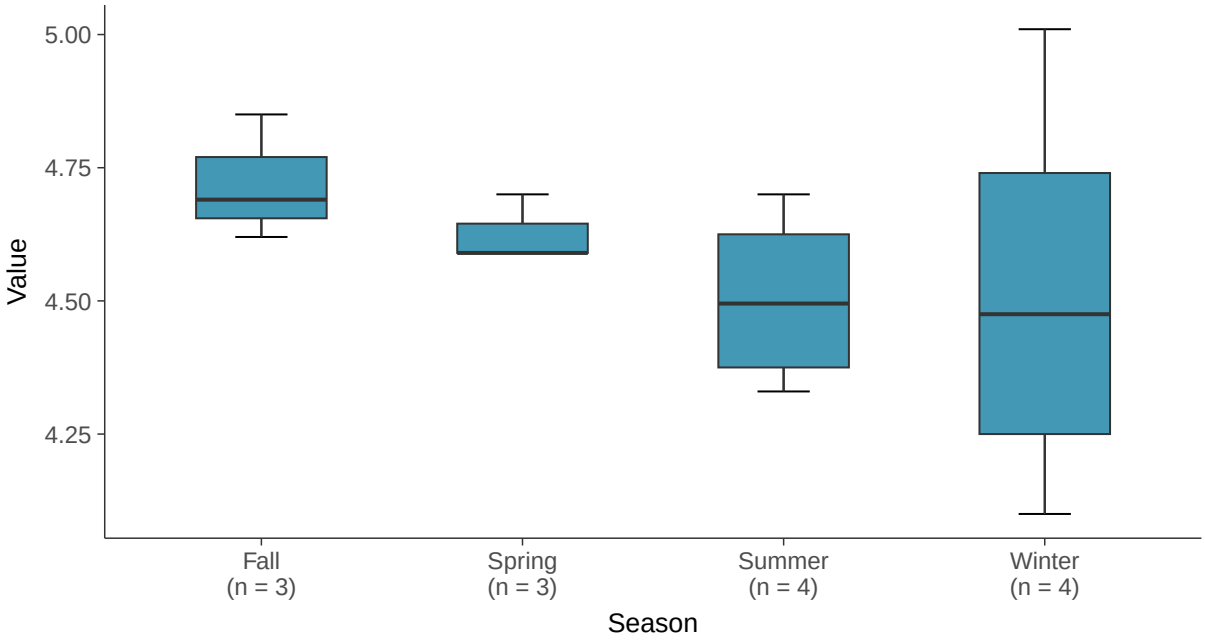
Boxplot

Boron, MW-16D (mg/l)



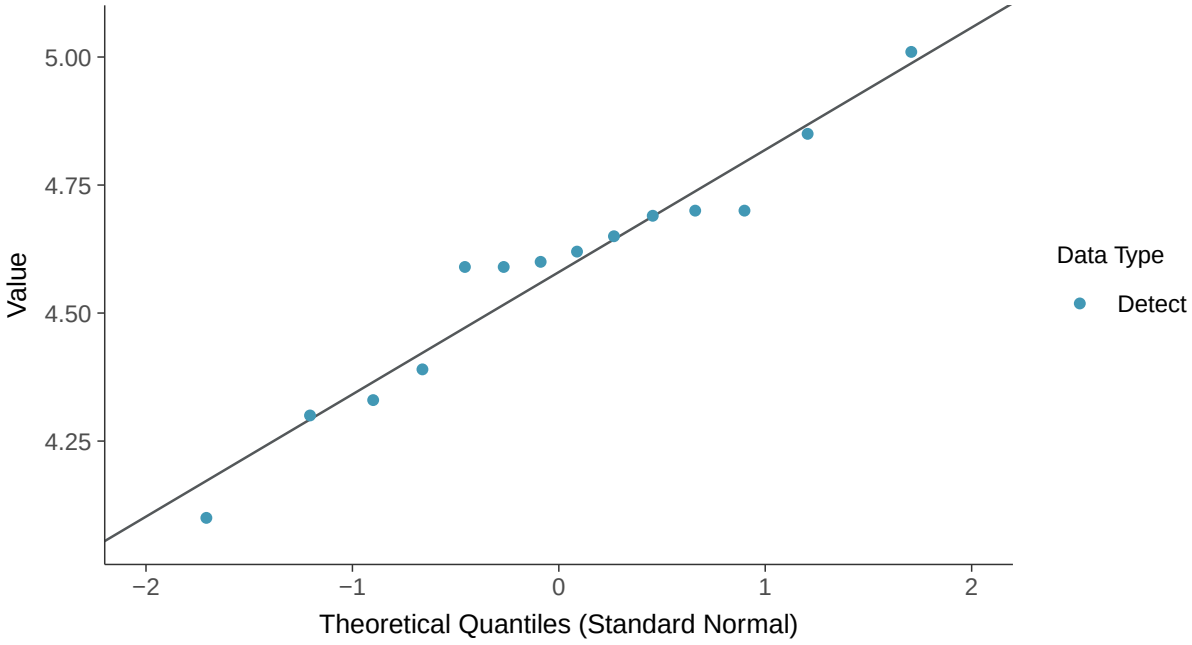
Boxplot by Season

Boron, MW-16D (mg/l)



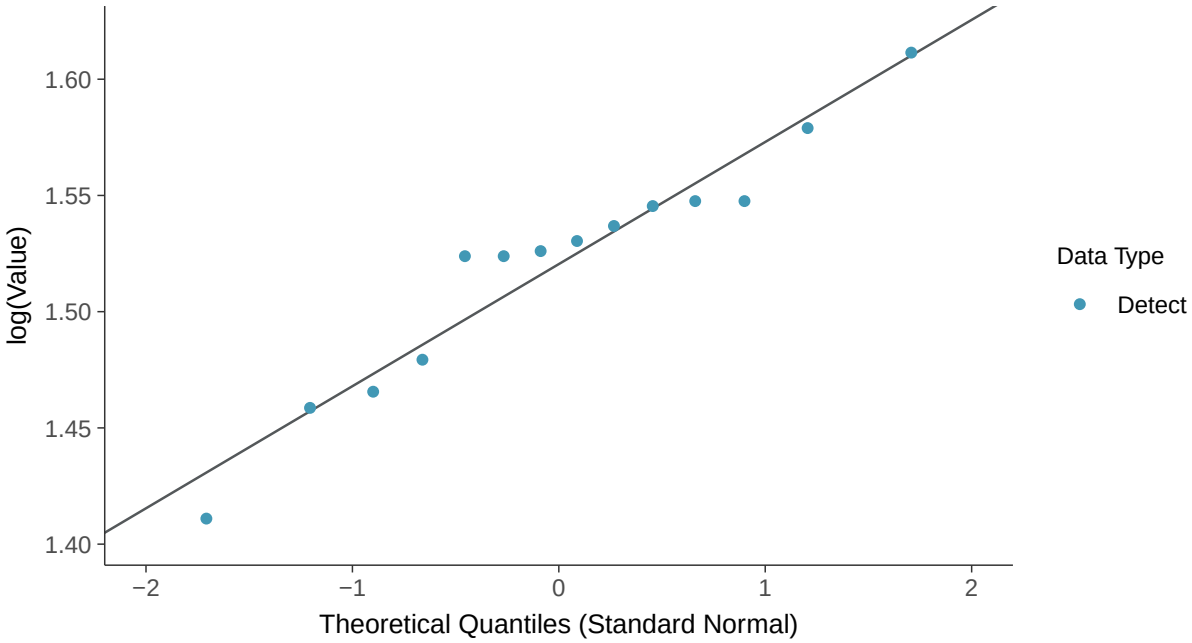
Normal Q-Q plot

Boron, MW-16D (mg/l)



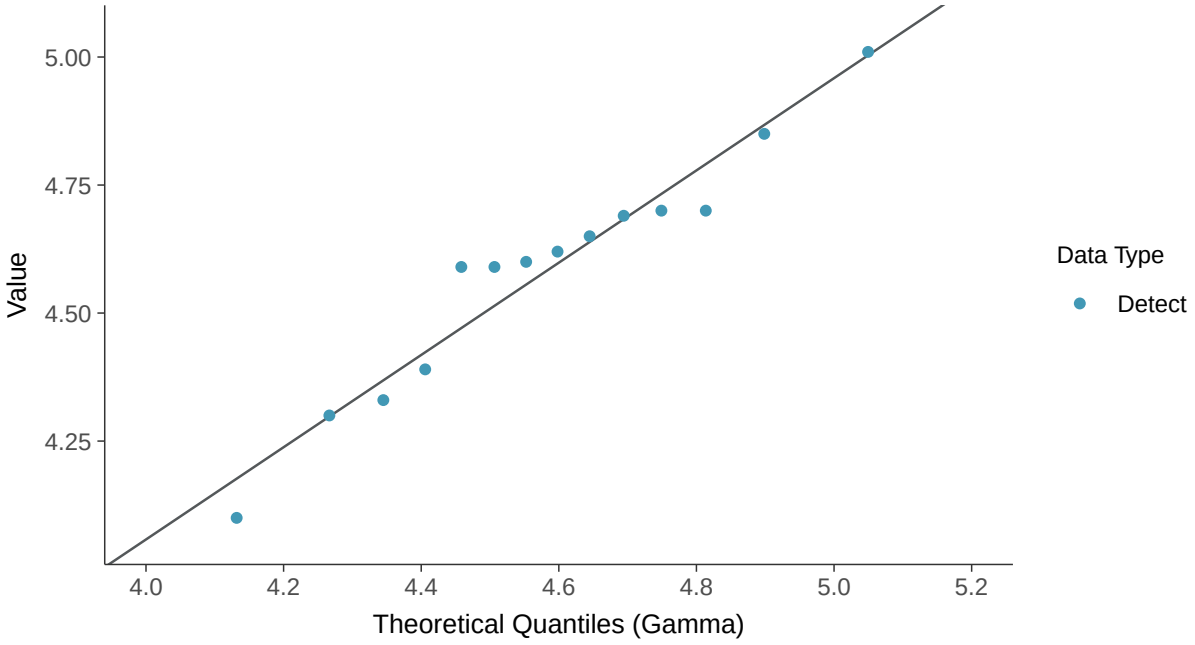
Lognormal Q-Q plot

Boron, MW-16D (mg/l)



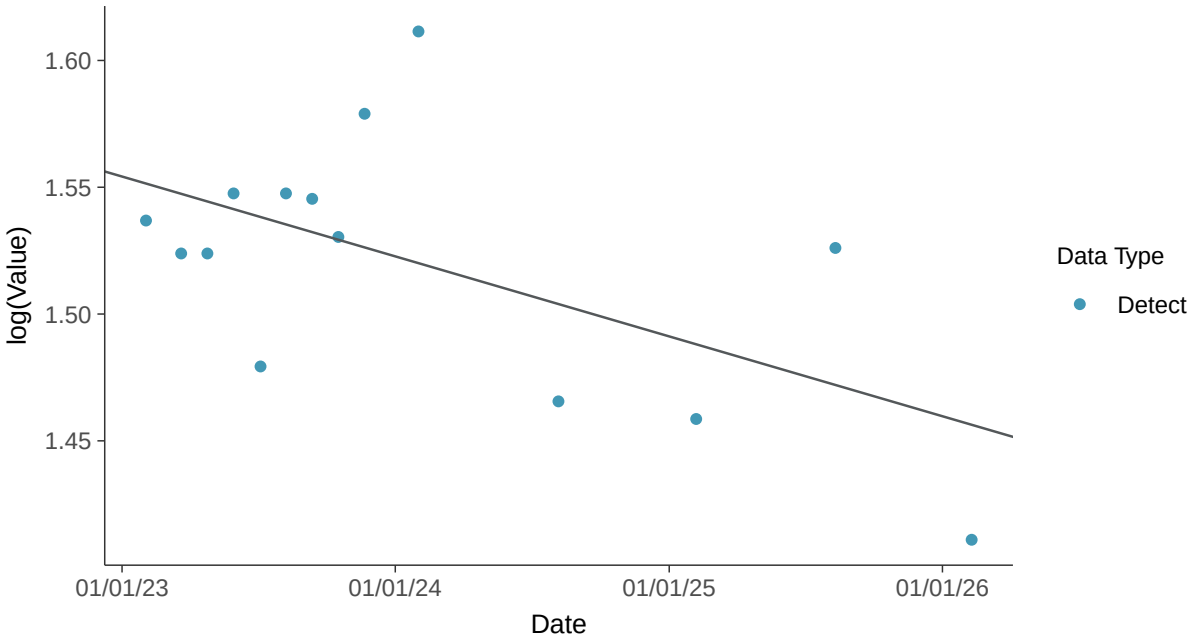
Gamma Q-Q plot

Boron, MW-16D (mg/l)



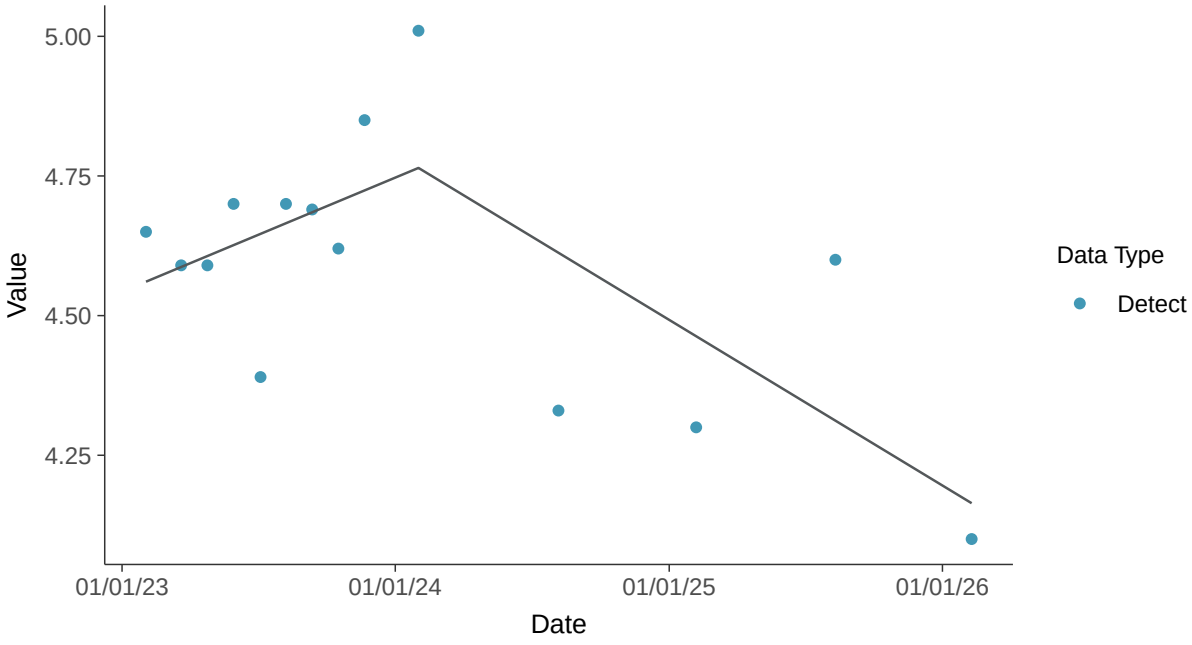
Trend Regression: Lognormal MLE

Boron, MW-16D (mg/l)



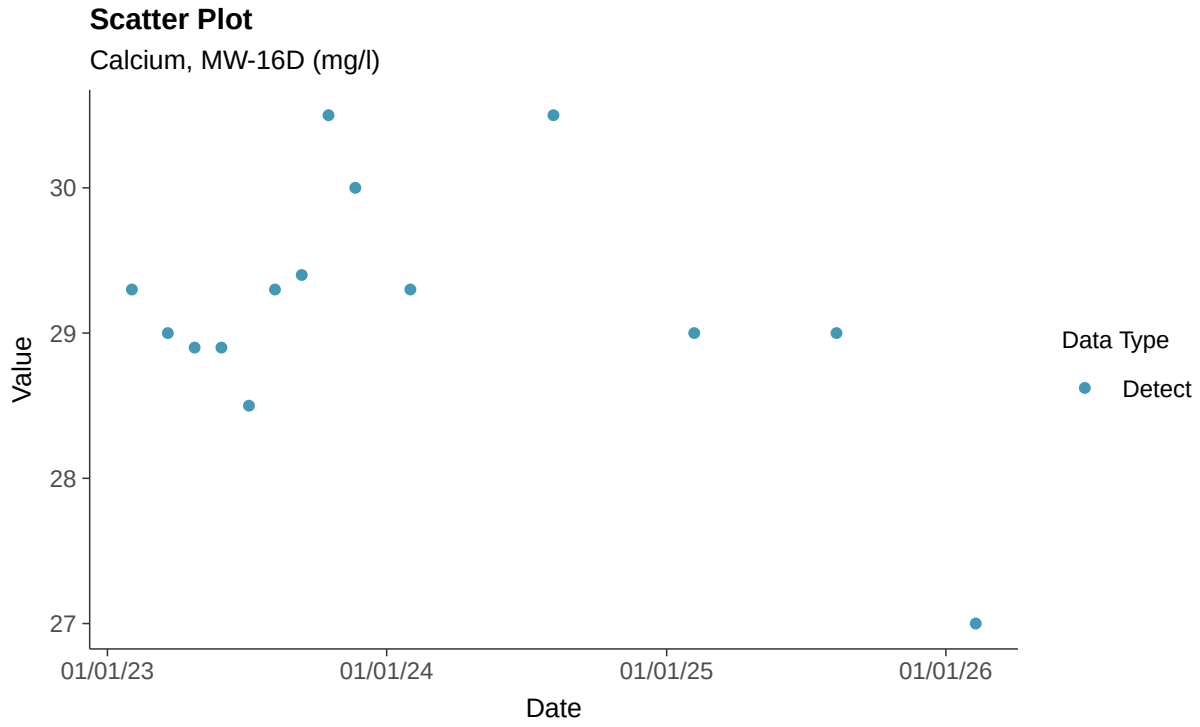
Trend Regression: Piecewise Linear-Linear

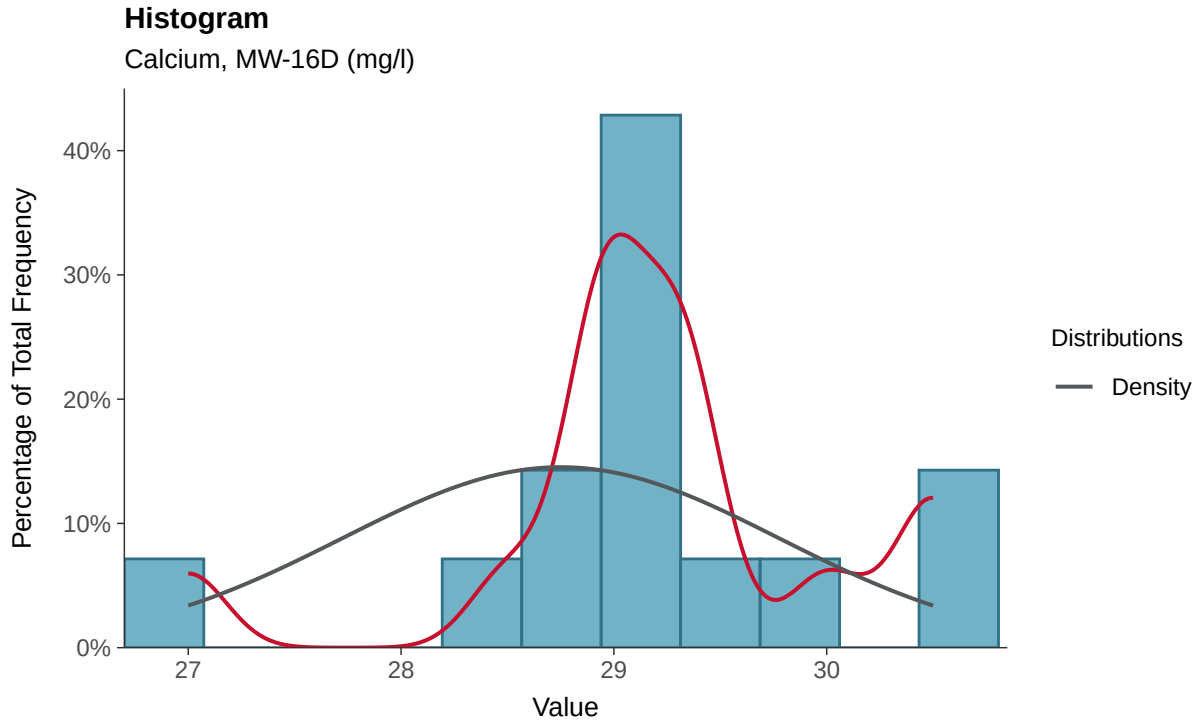
Boron, MW-16D (mg/l)



Appendix III: Calcium, MW-16D

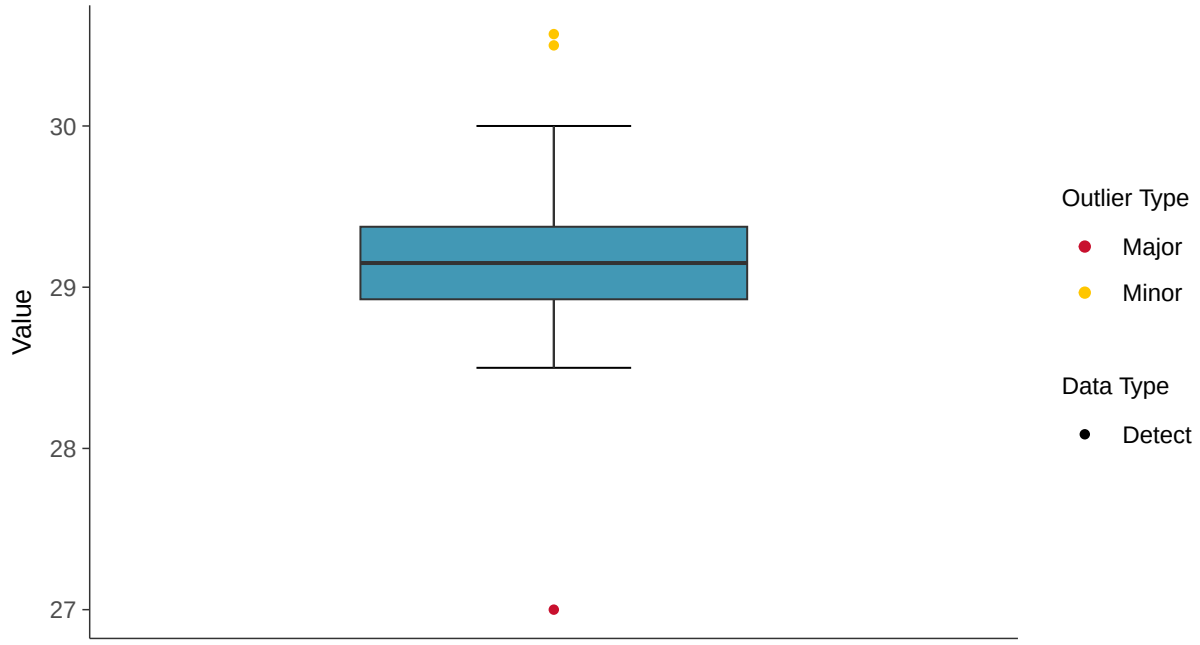
ID: 13_2_107





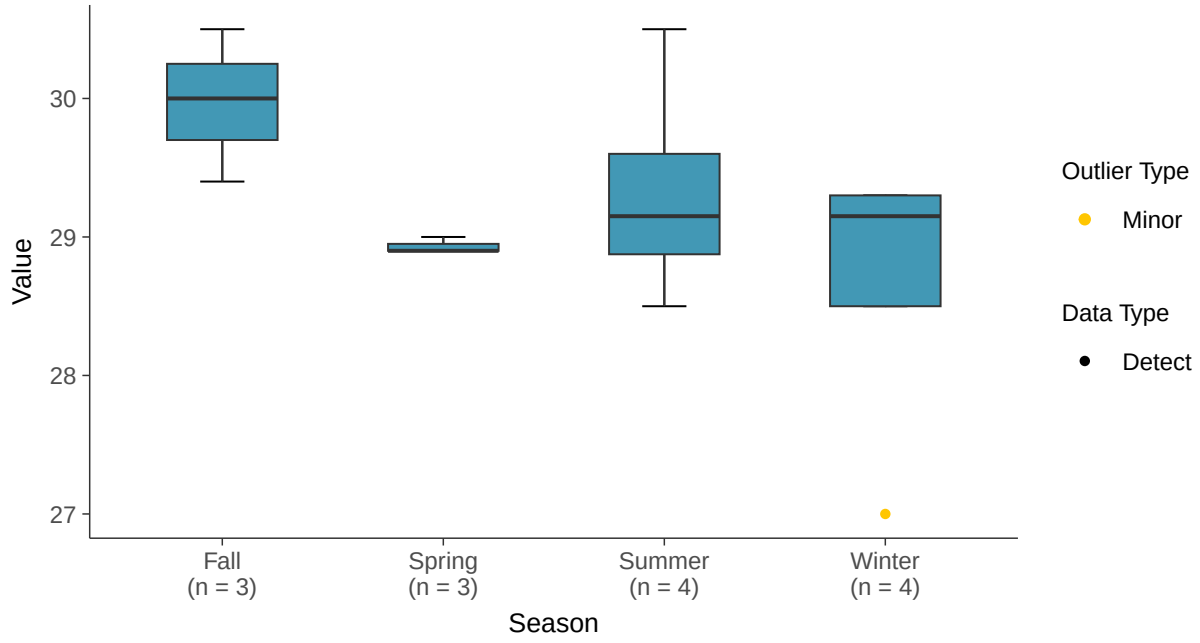
Boxplot

Calcium, MW-16D (mg/l)



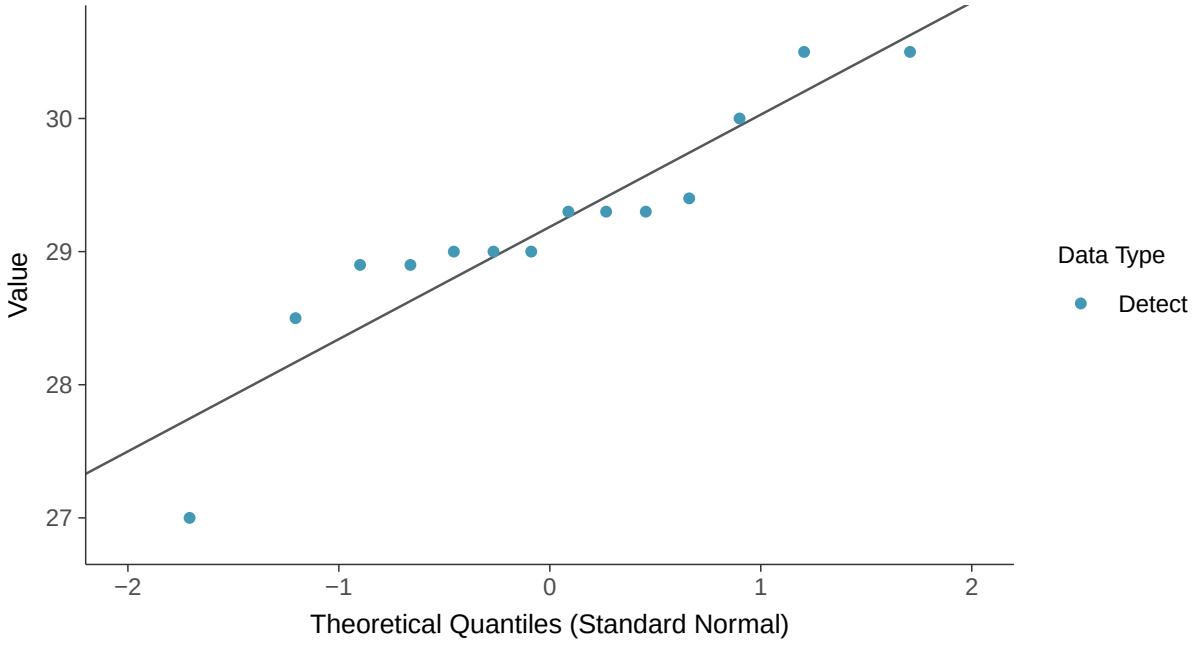
Boxplot by Season

Calcium, MW-16D (mg/l)



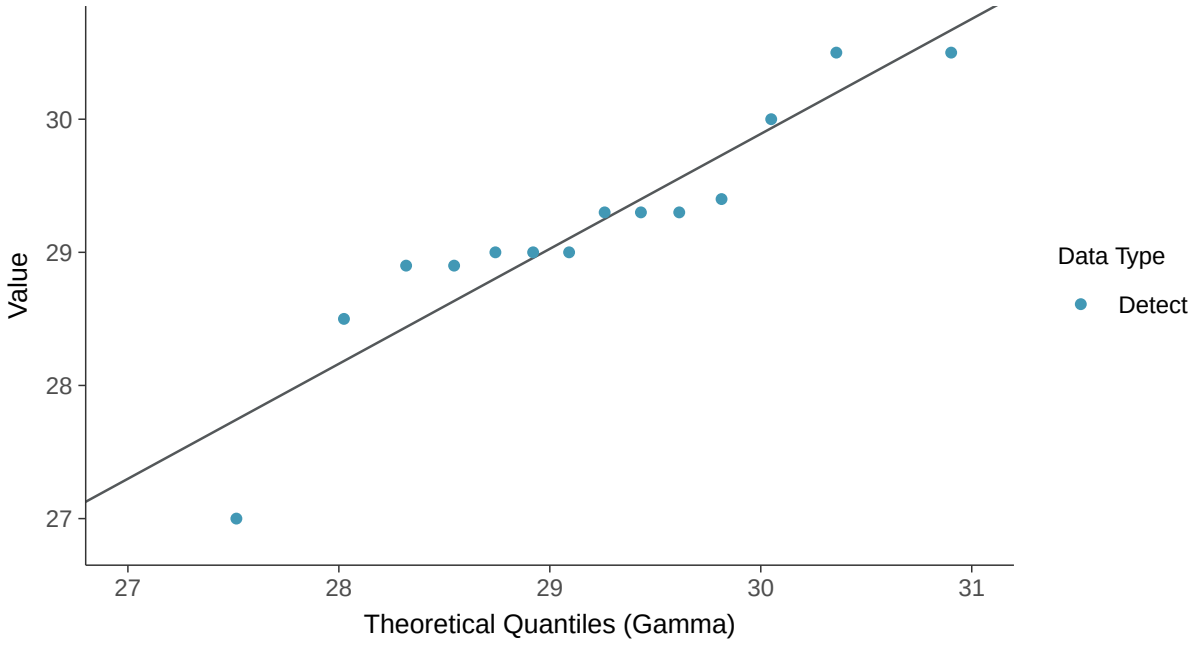
Normal Q-Q plot

Calcium, MW-16D (mg/l)



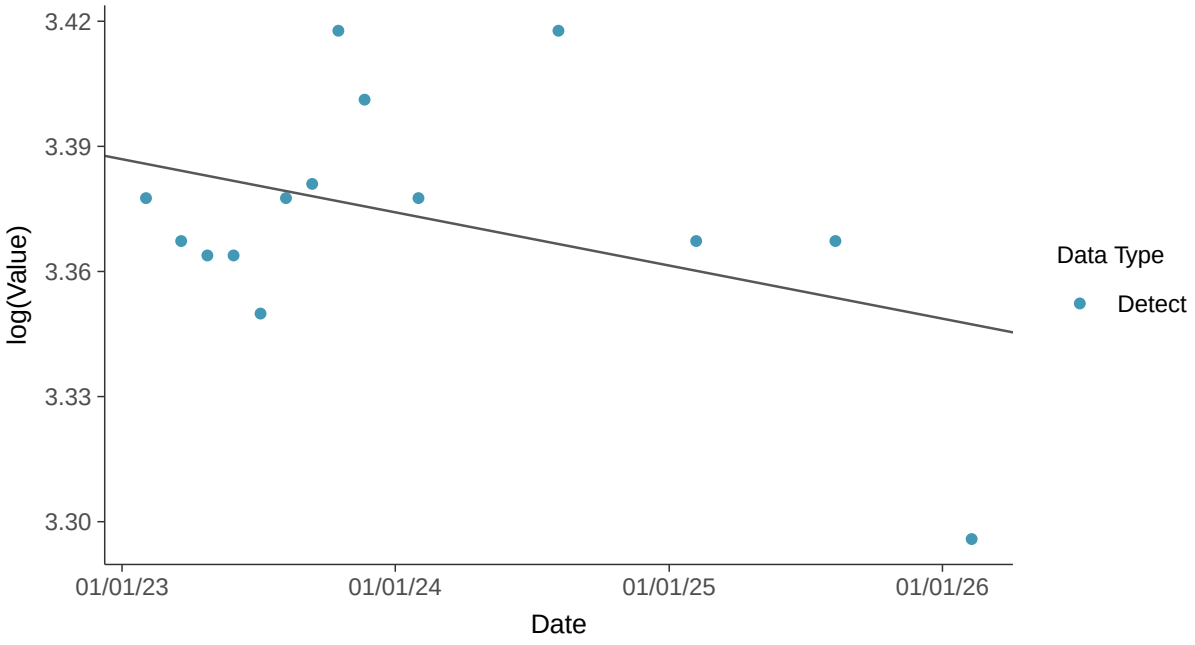
Gamma Q-Q plot

Calcium, MW-16D (mg/l)



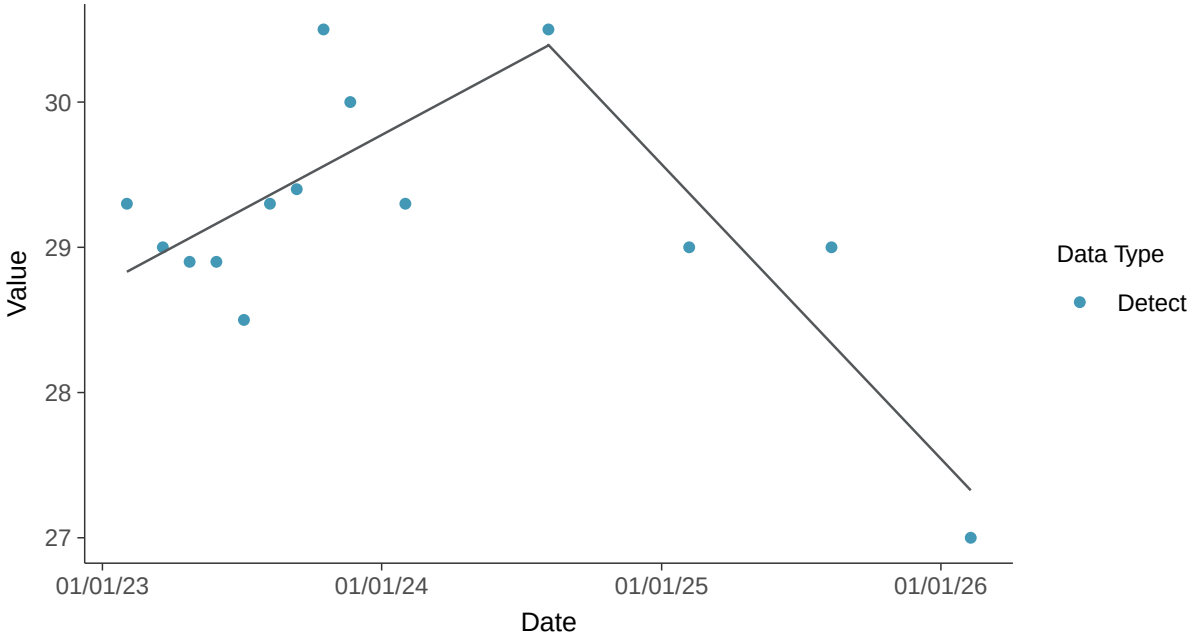
Trend Regression: Lognormal MLE

Calcium, MW-16D (mg/l)



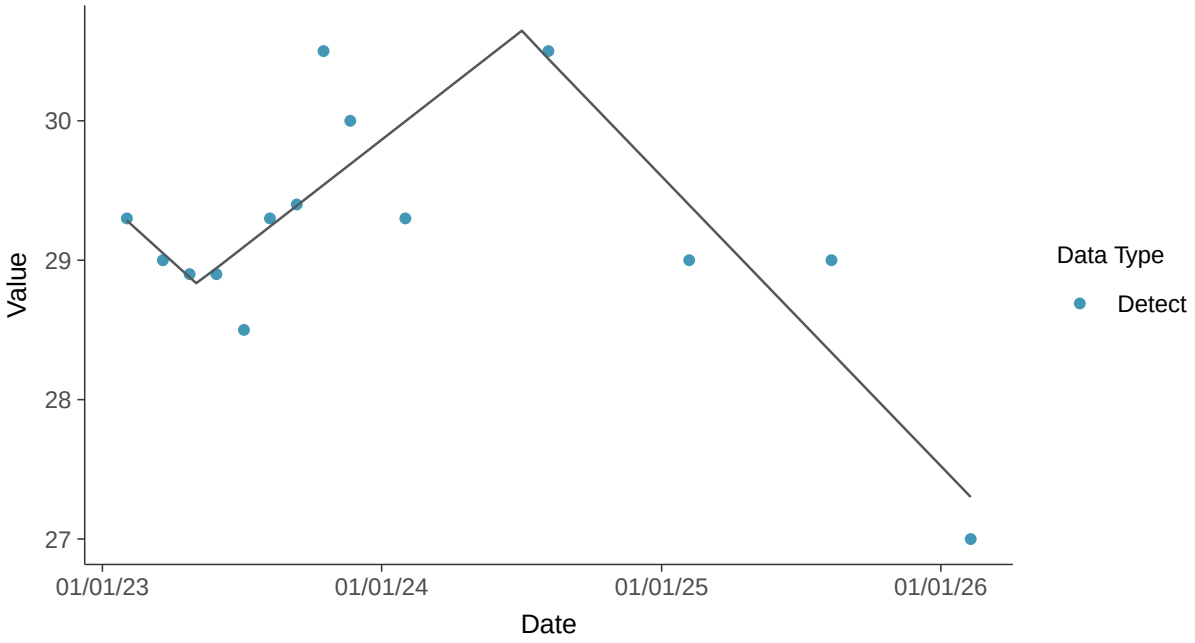
Trend Regression: Piecewise Linear-Linear

Calcium, MW-16D (mg/l)



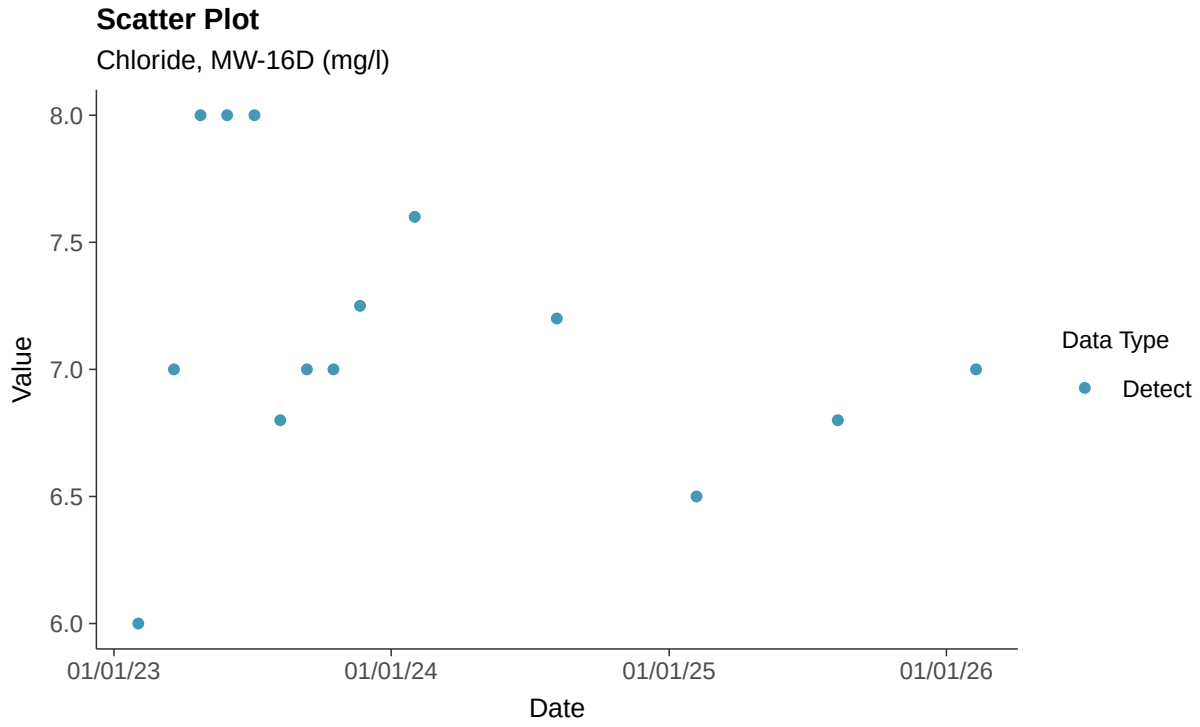
Trend Regression: Piecewise Linear-Linear-Linear

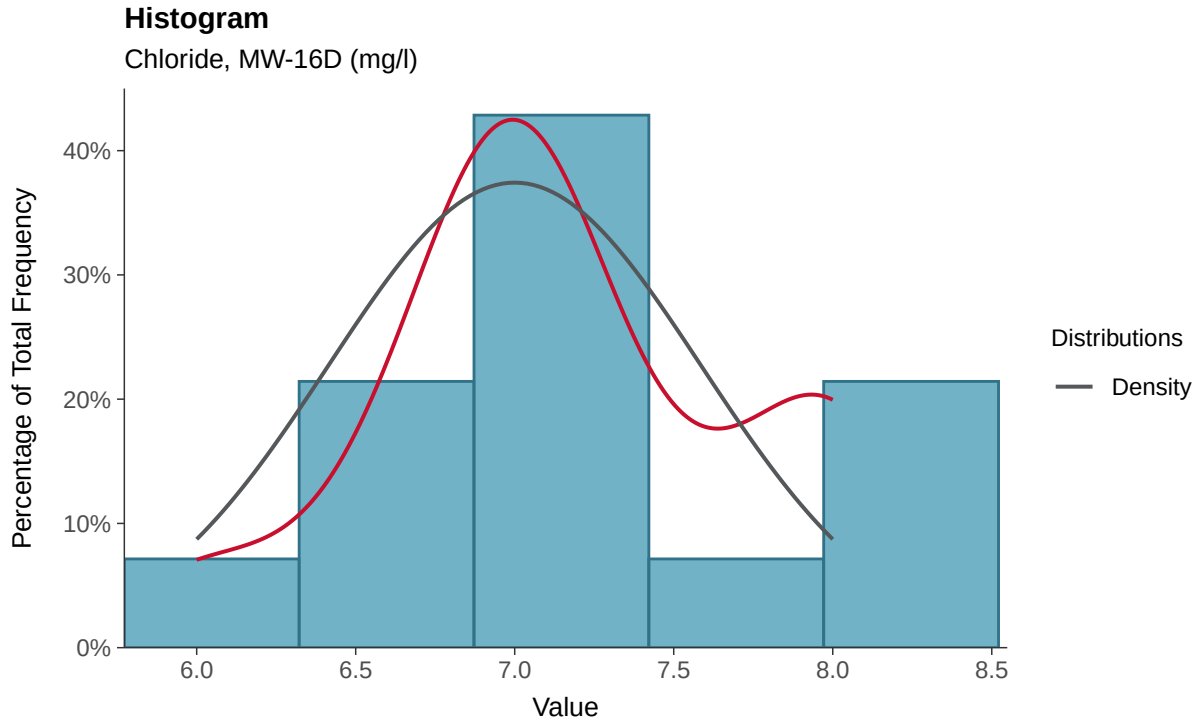
Calcium, MW-16D (mg/l)



Appendix III: Chloride, MW-16D

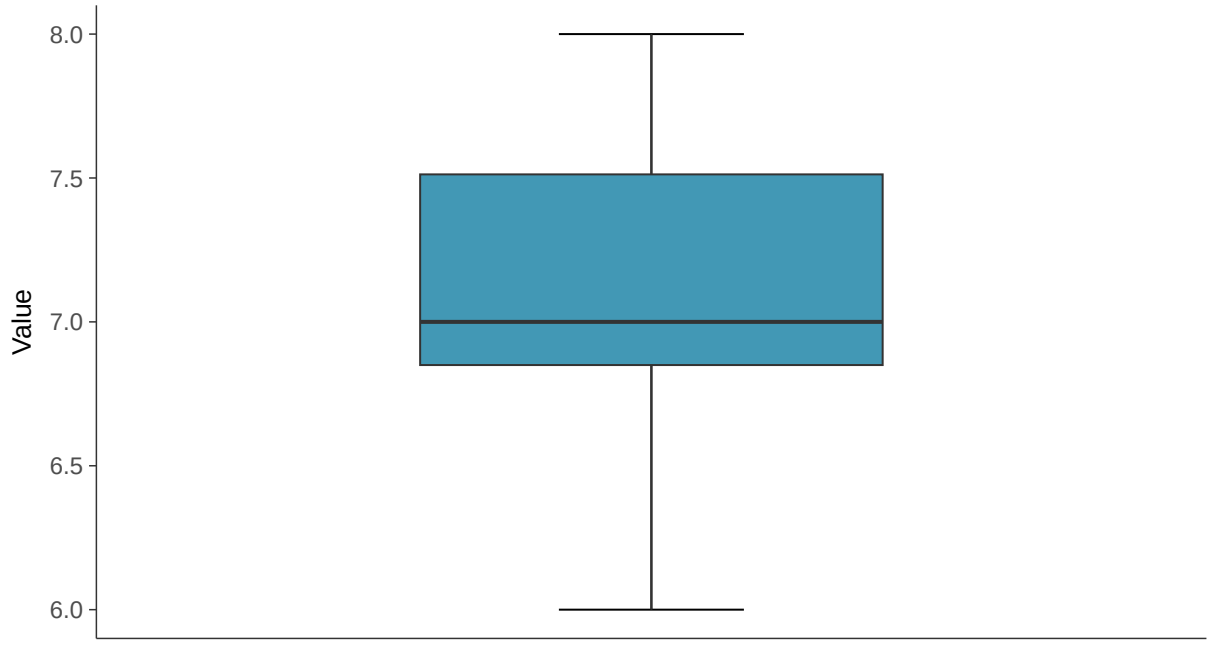
ID: 13_2_108





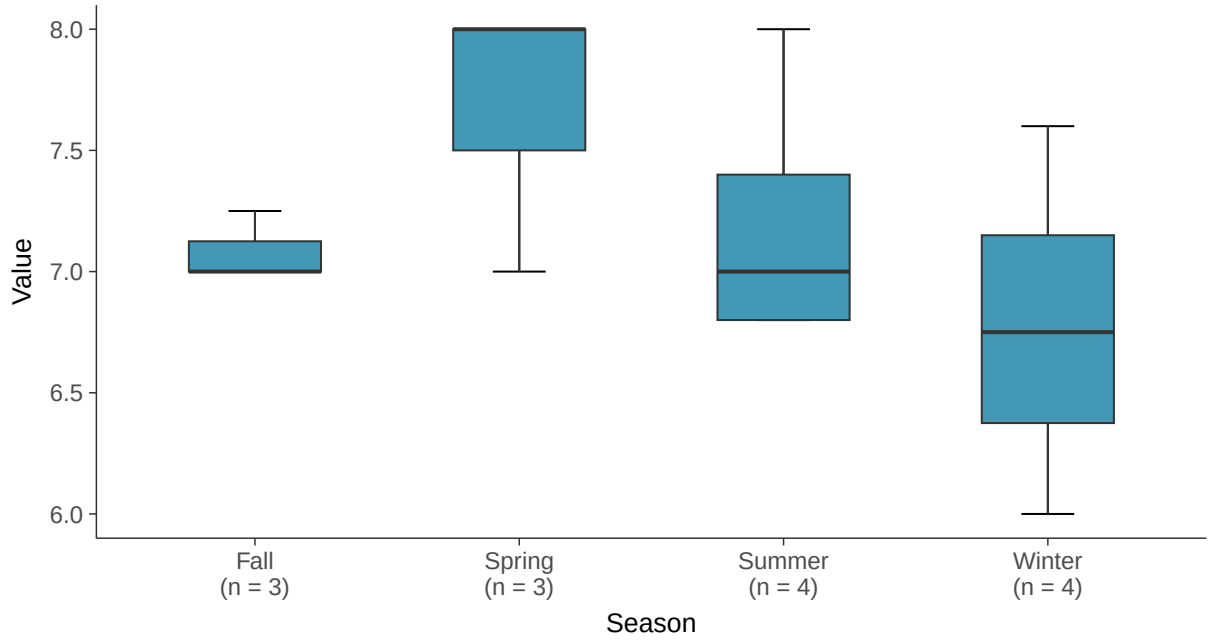
Boxplot

Chloride, MW-16D (mg/l)



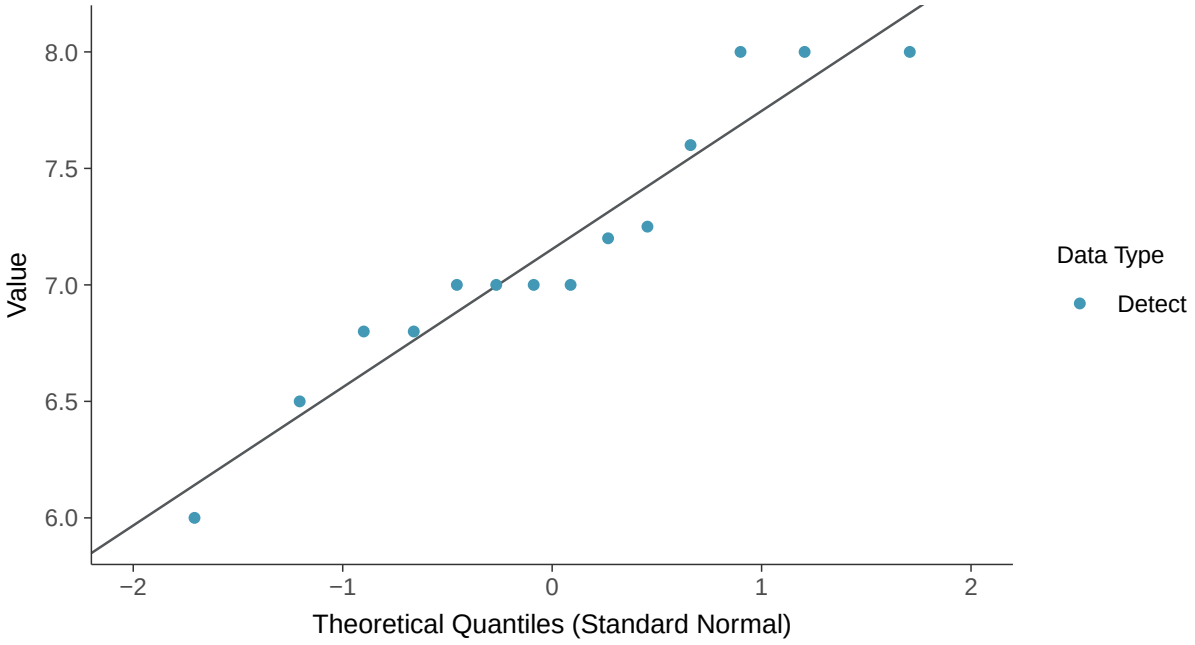
Boxplot by Season

Chloride, MW-16D (mg/l)



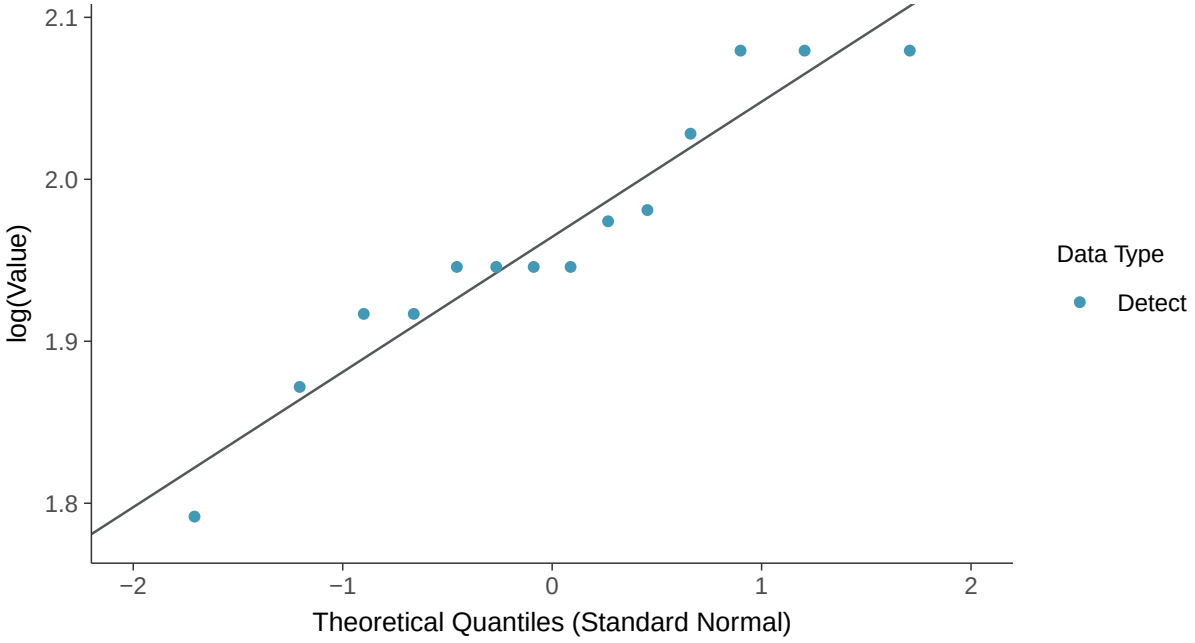
Normal Q-Q plot

Chloride, MW-16D (mg/l)



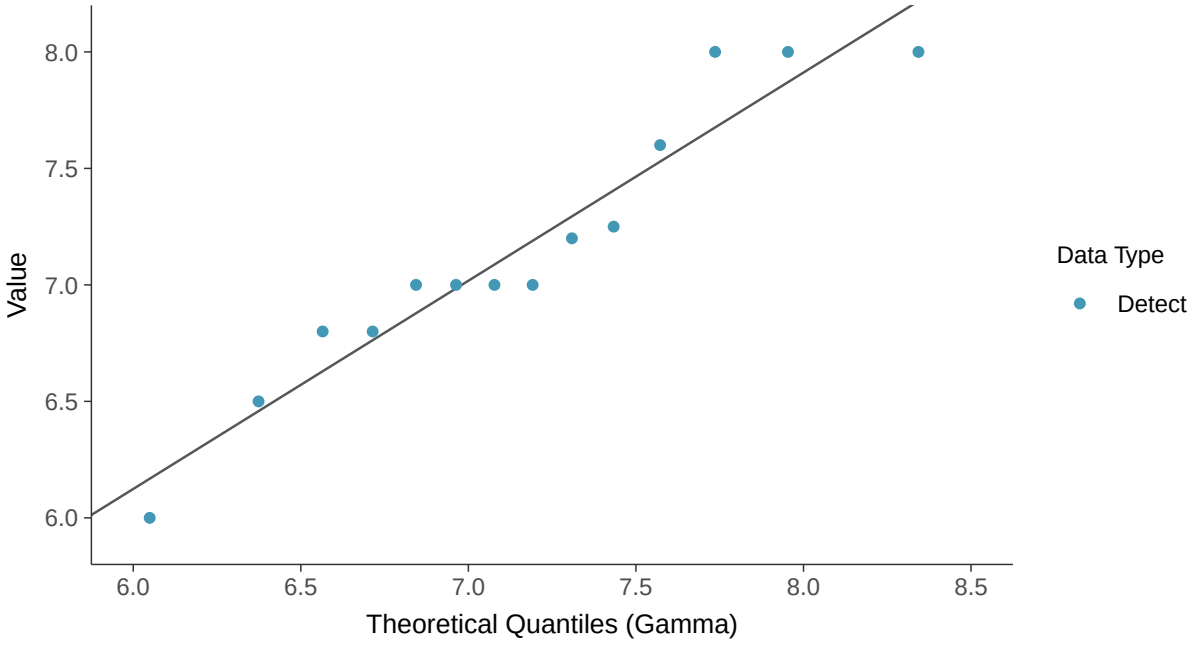
Lognormal Q-Q plot

Chloride, MW-16D (mg/l)



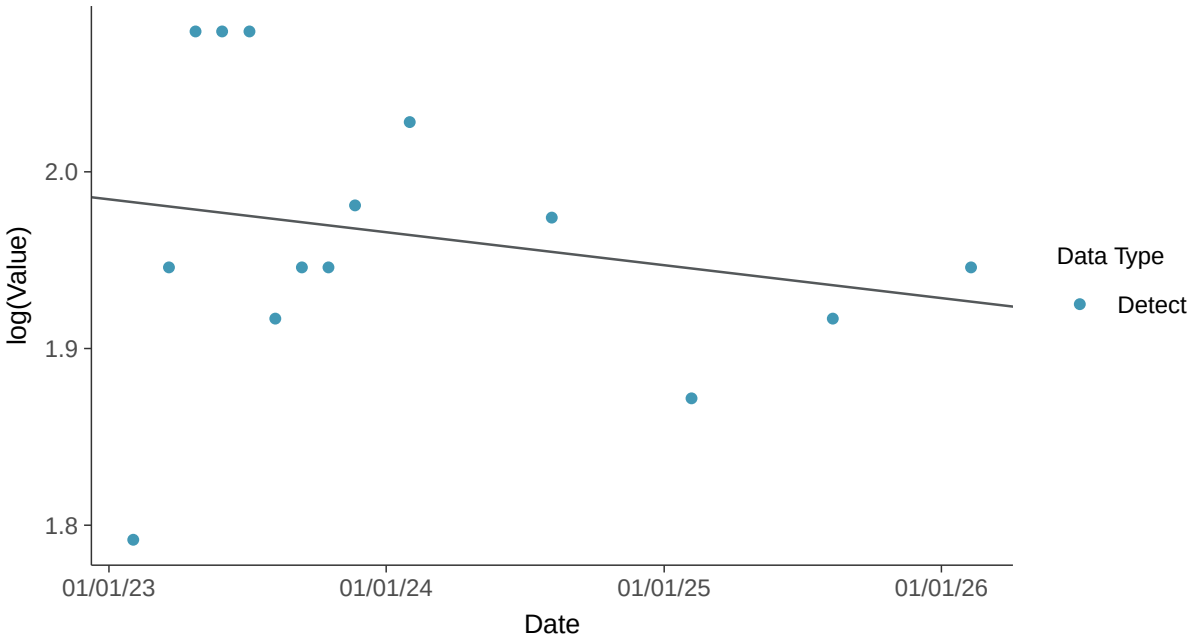
Gamma Q-Q plot

Chloride, MW-16D (mg/l)



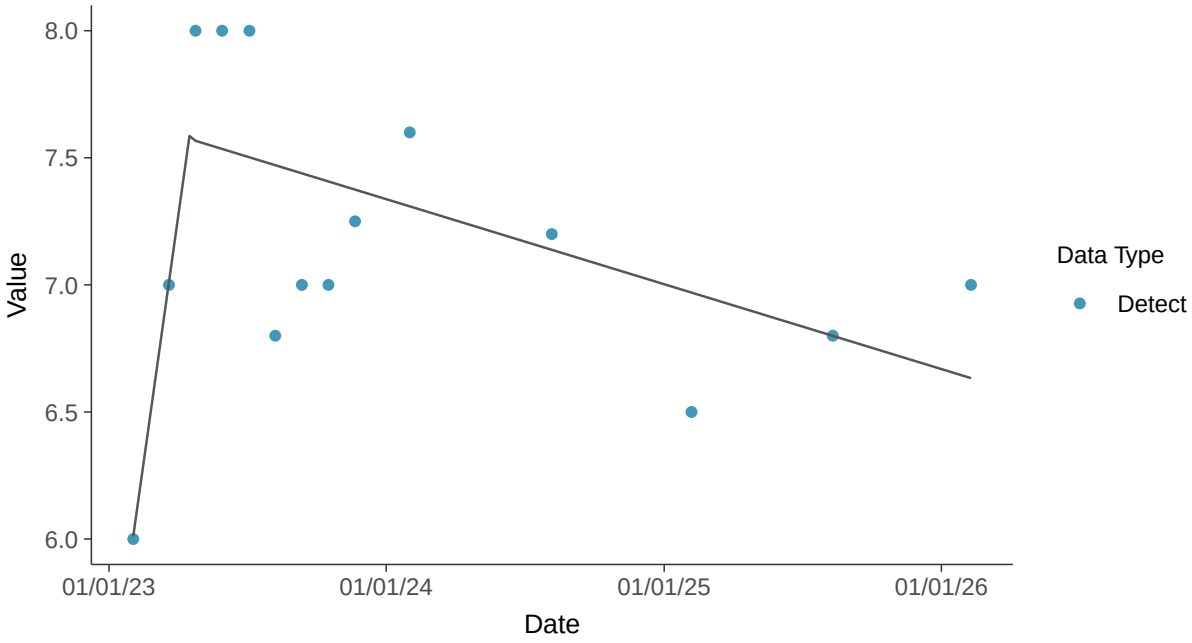
Trend Regression: Lognormal MLE

Chloride, MW-16D (mg/l)



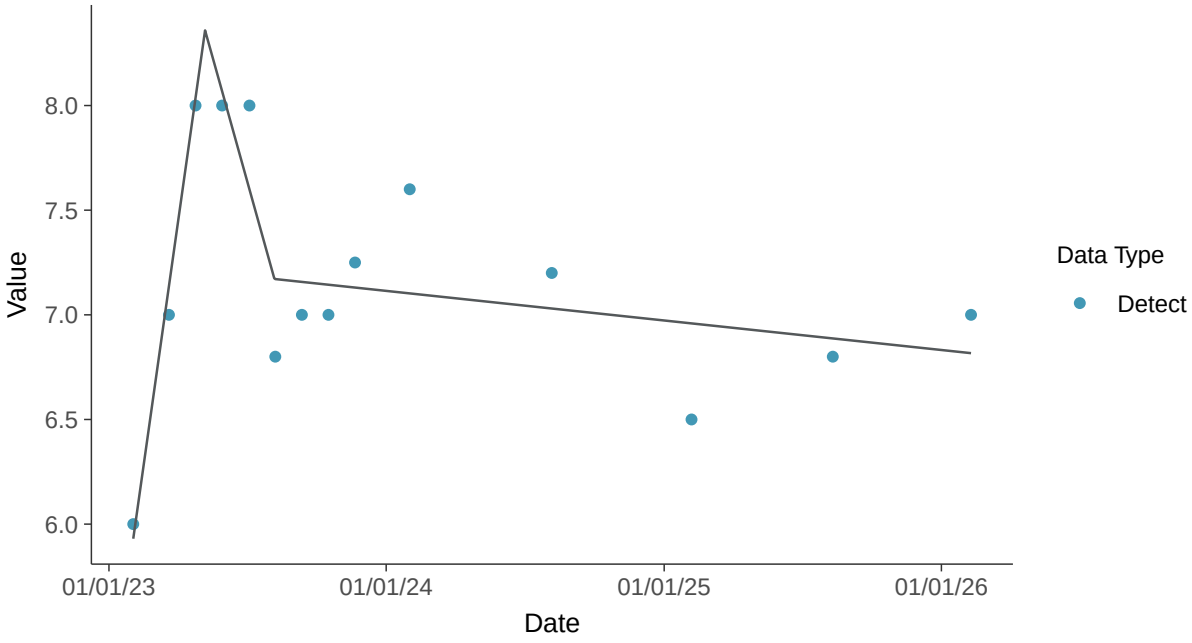
Trend Regression: Piecewise Linear-Linear

Chloride, MW-16D (mg/l)



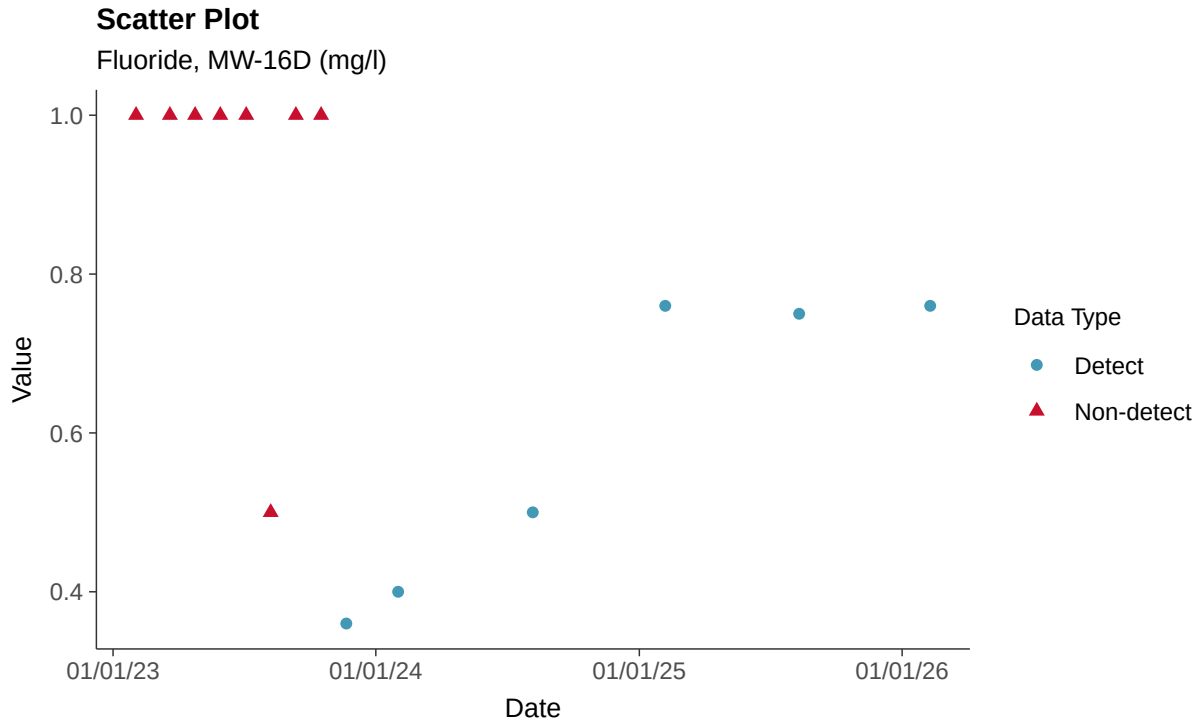
Trend Regression: Piecewise Linear-Linear-Linear

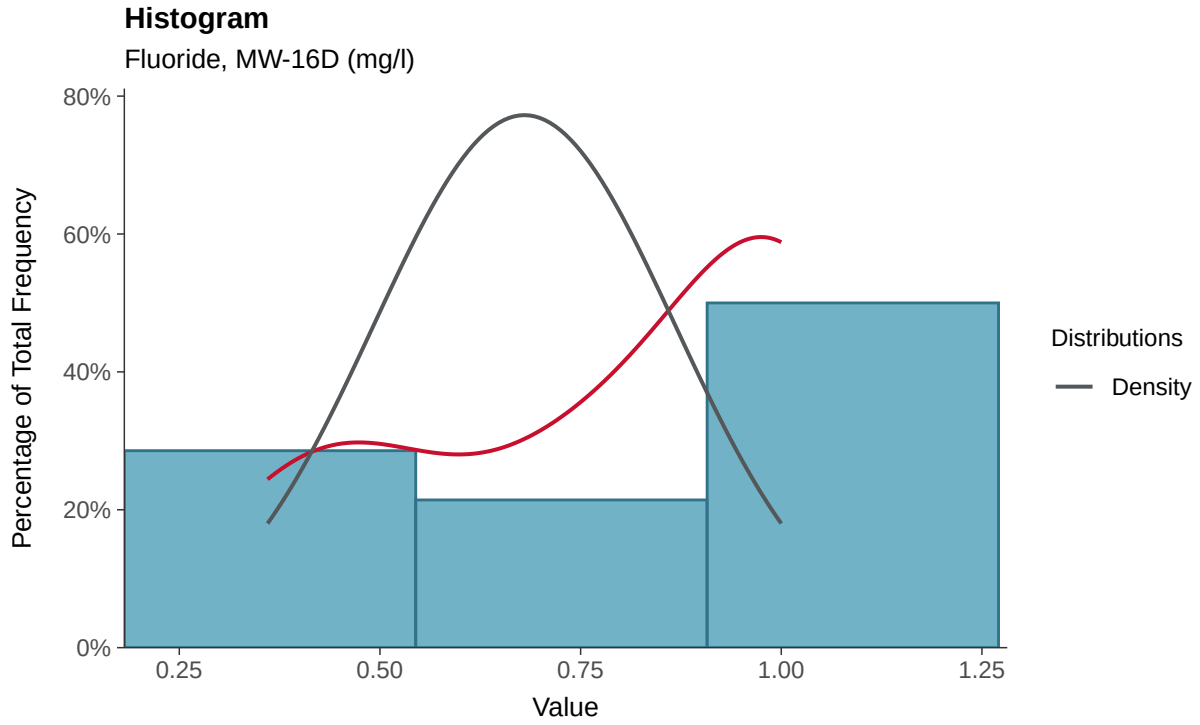
Chloride, MW-16D (mg/l)



Appendix III: Fluoride, MW-16D

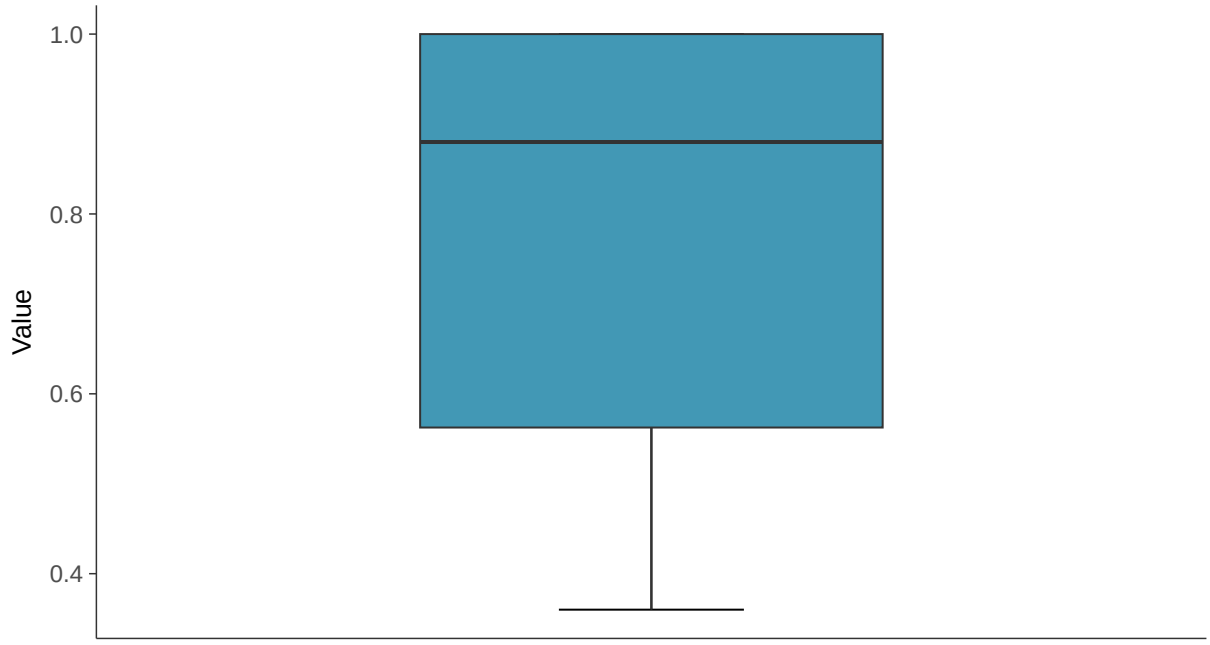
ID: 13_2_112





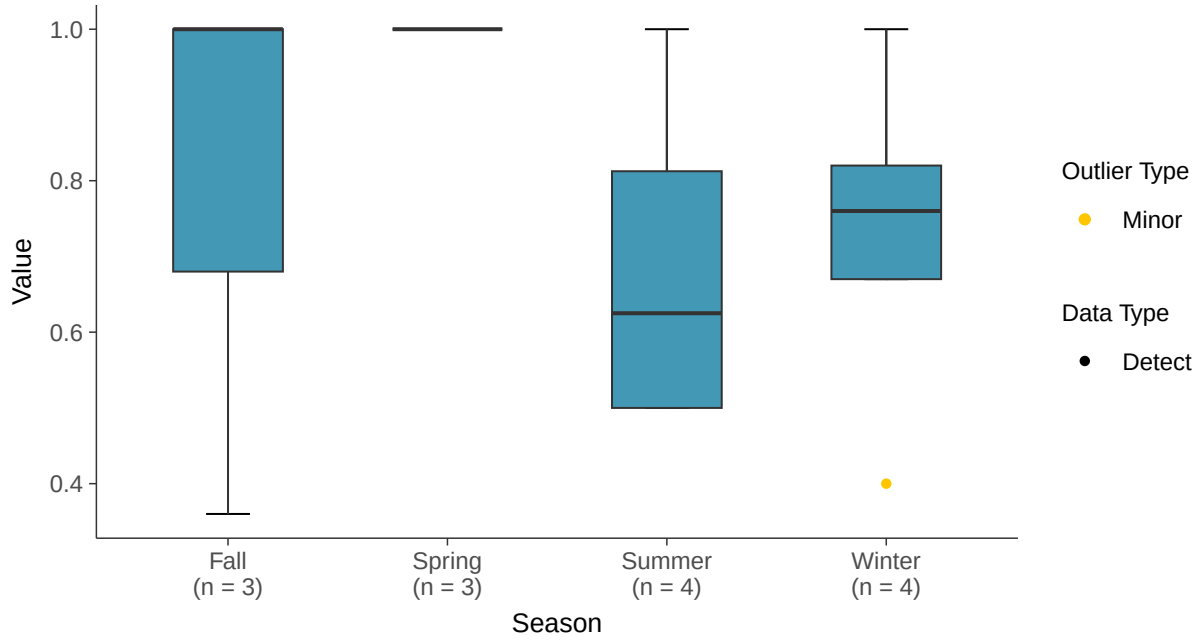
Boxplot

Fluoride, MW-16D (mg/l)



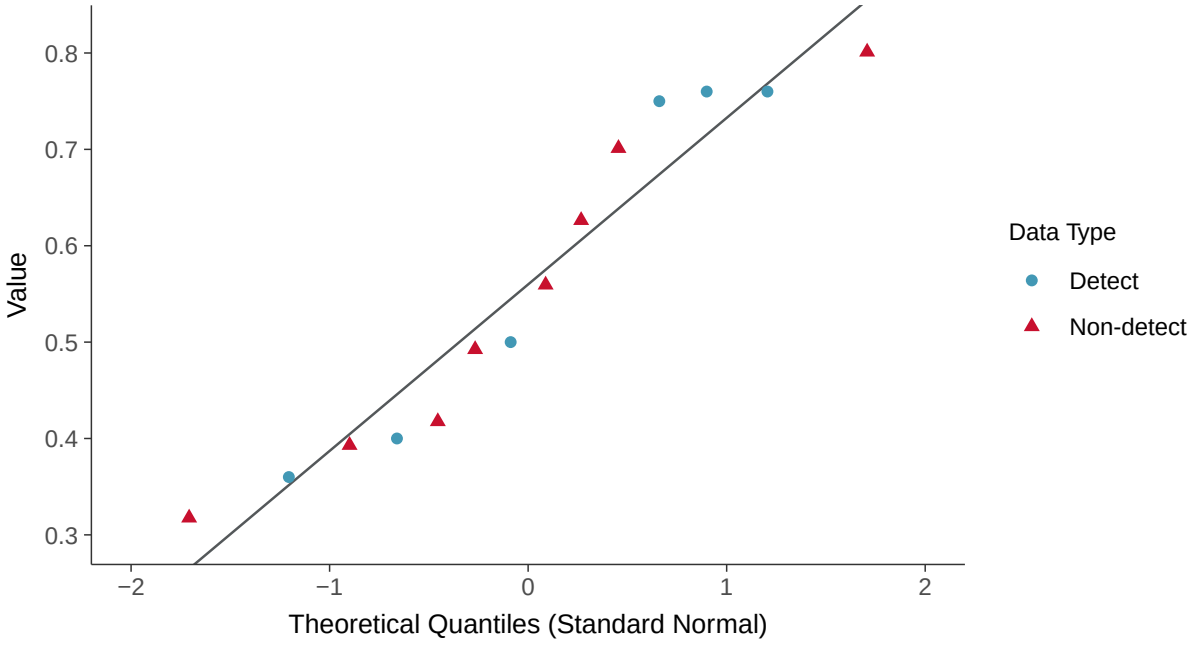
Boxplot by Season

Fluoride, MW-16D (mg/l)



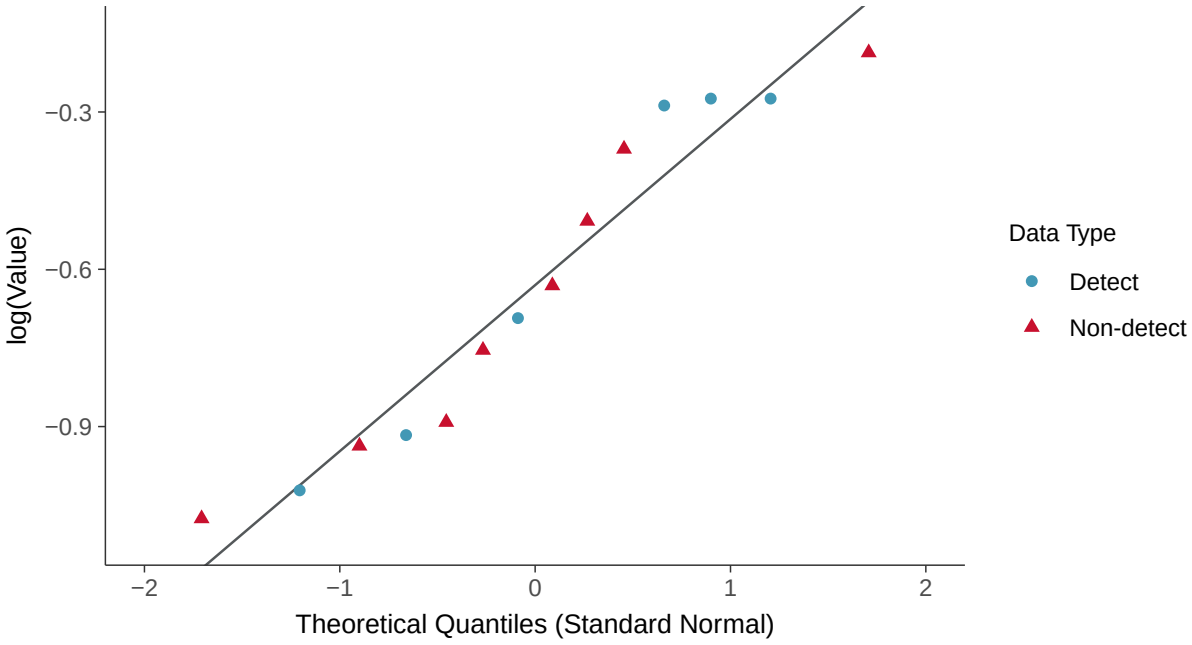
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-16D (mg/l)



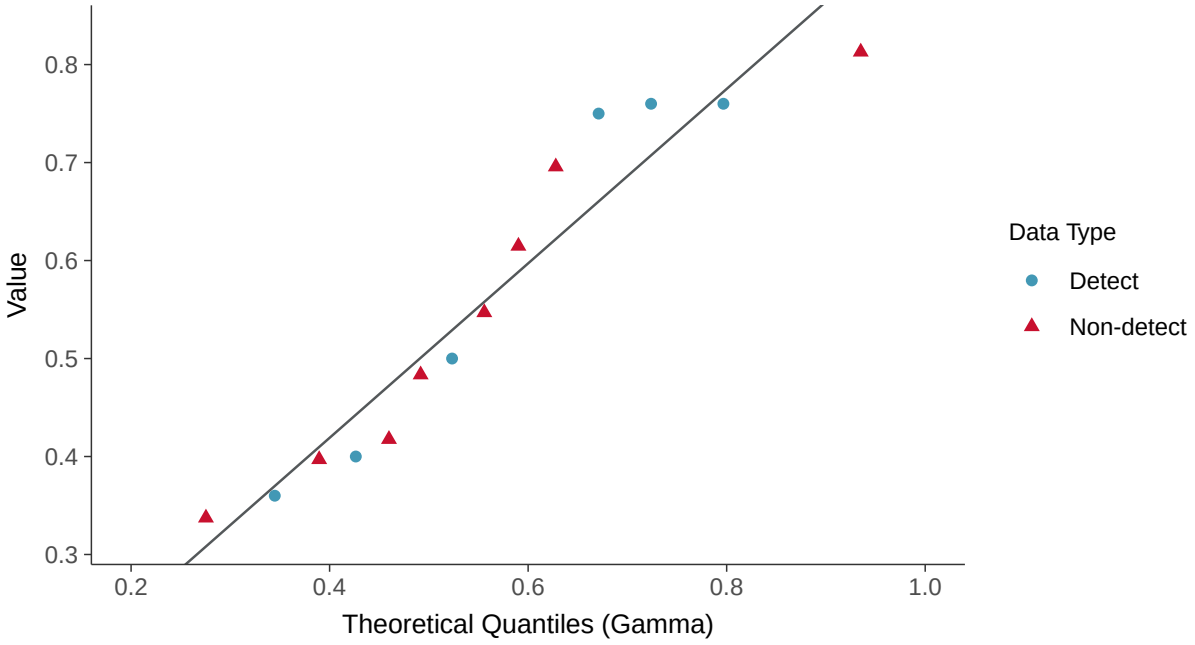
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-16D (mg/l)



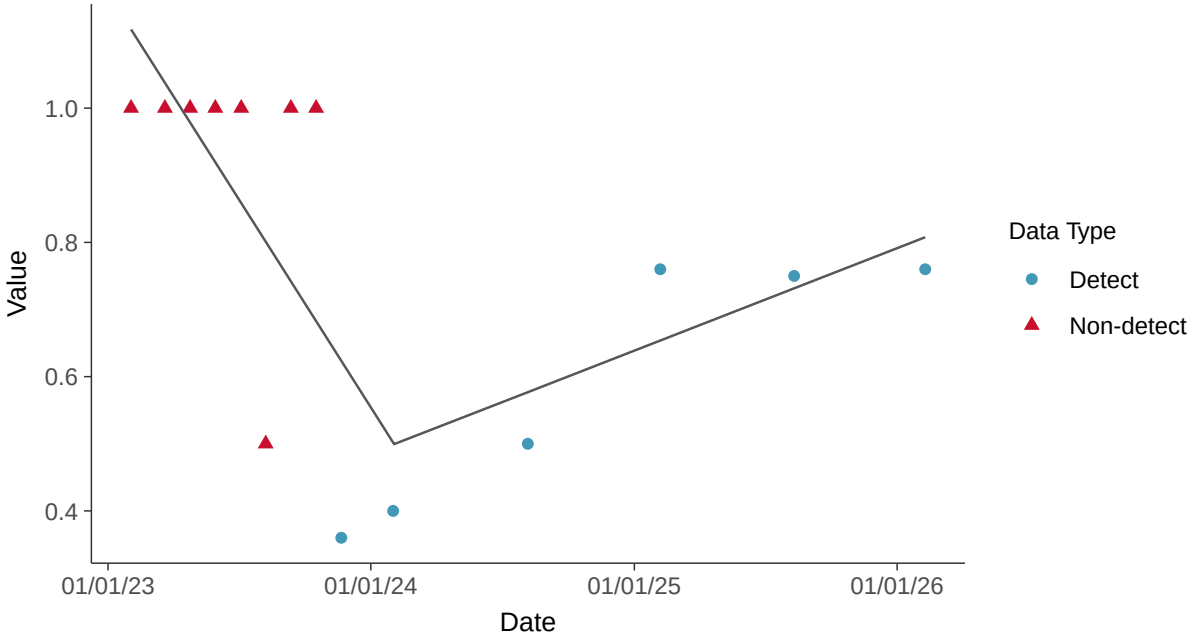
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride, MW-16D (mg/l)



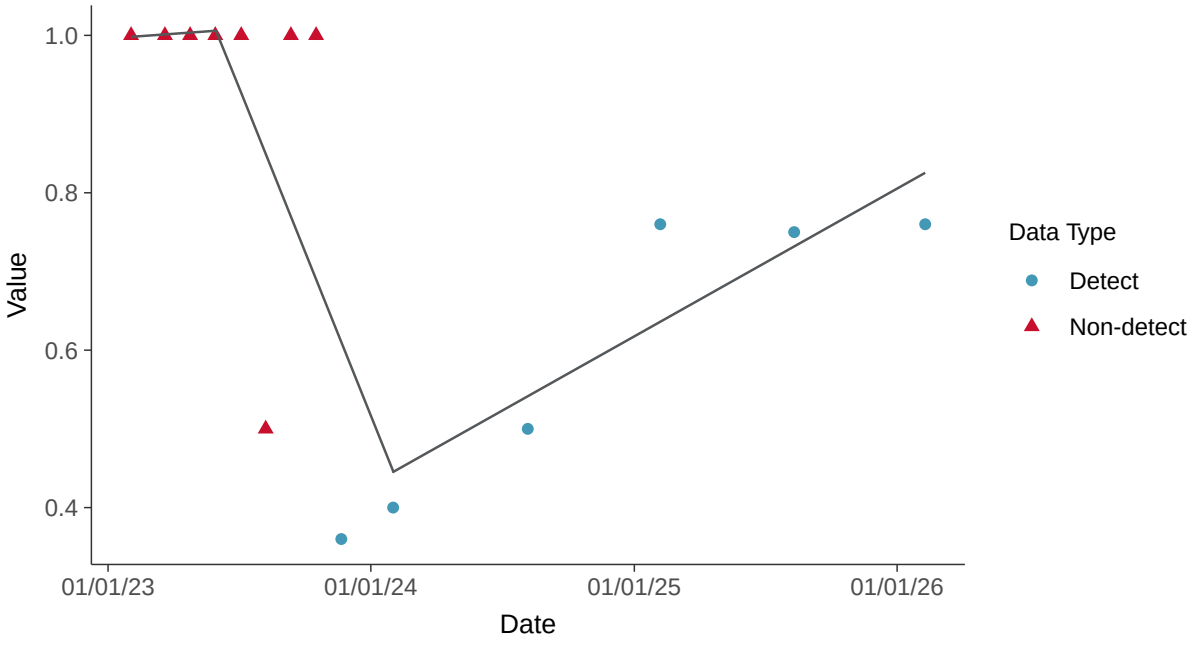
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-16D (mg/l)



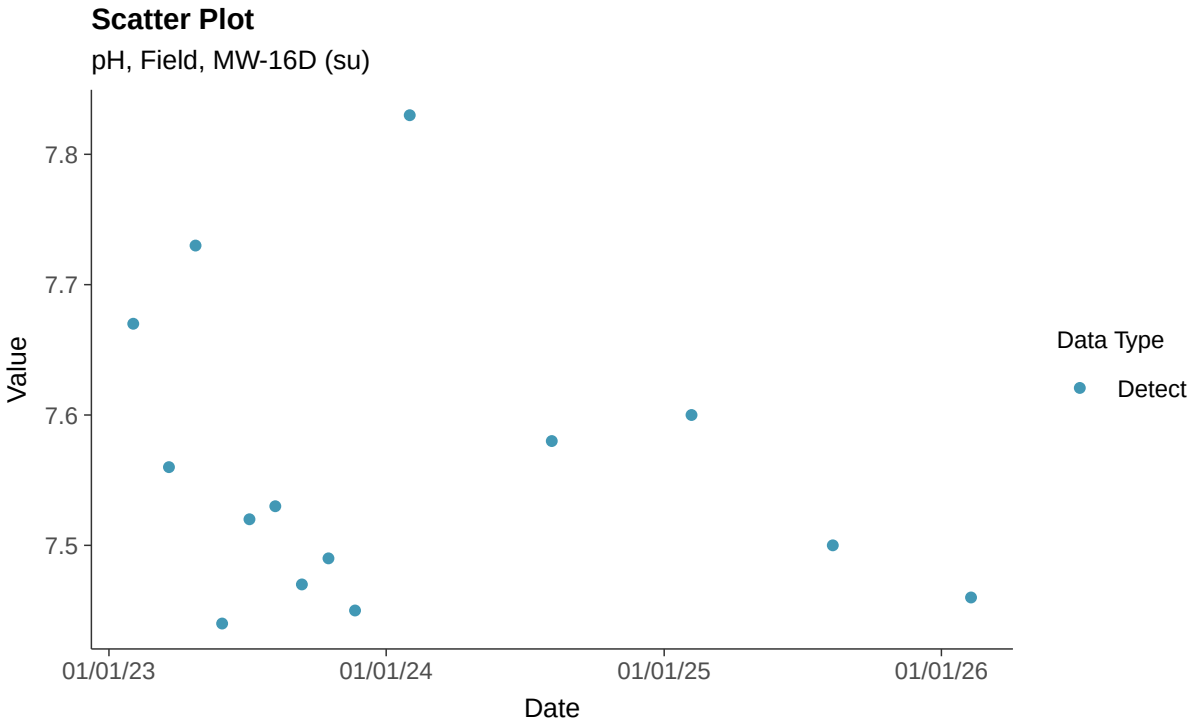
Trend Regression: Piecewise Linear-Linear-Linear

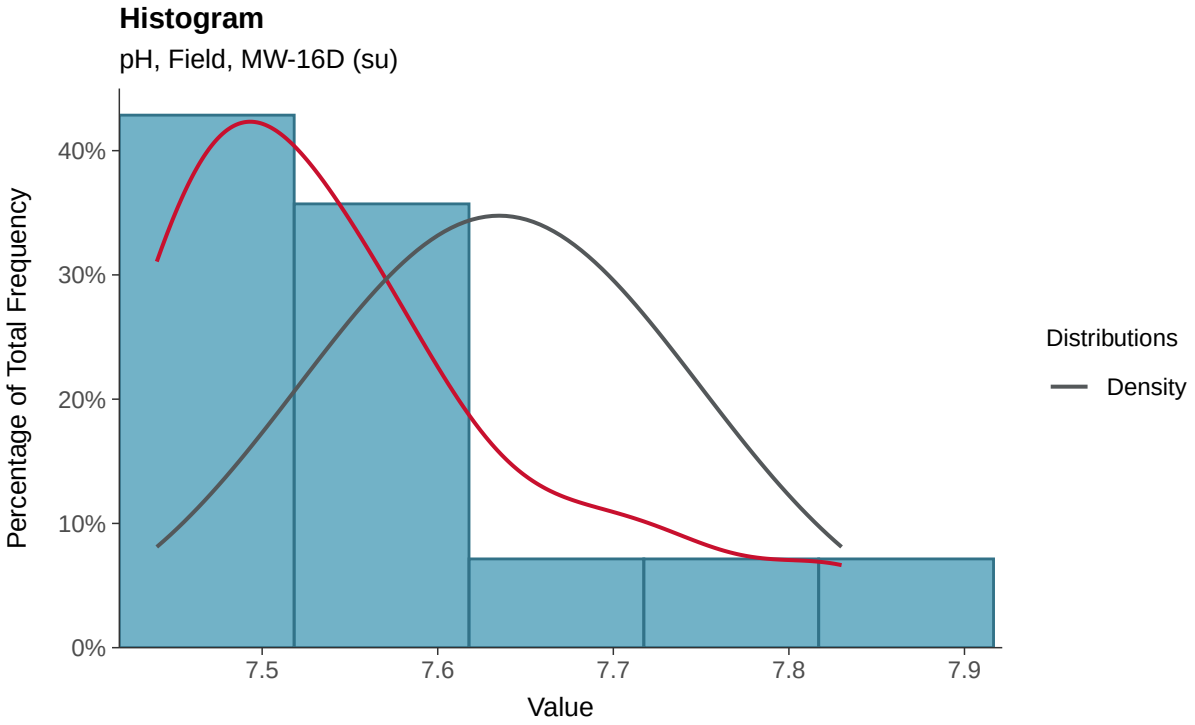
Fluoride, MW-16D (mg/l)



Appendix III: pH, Field, MW-16D

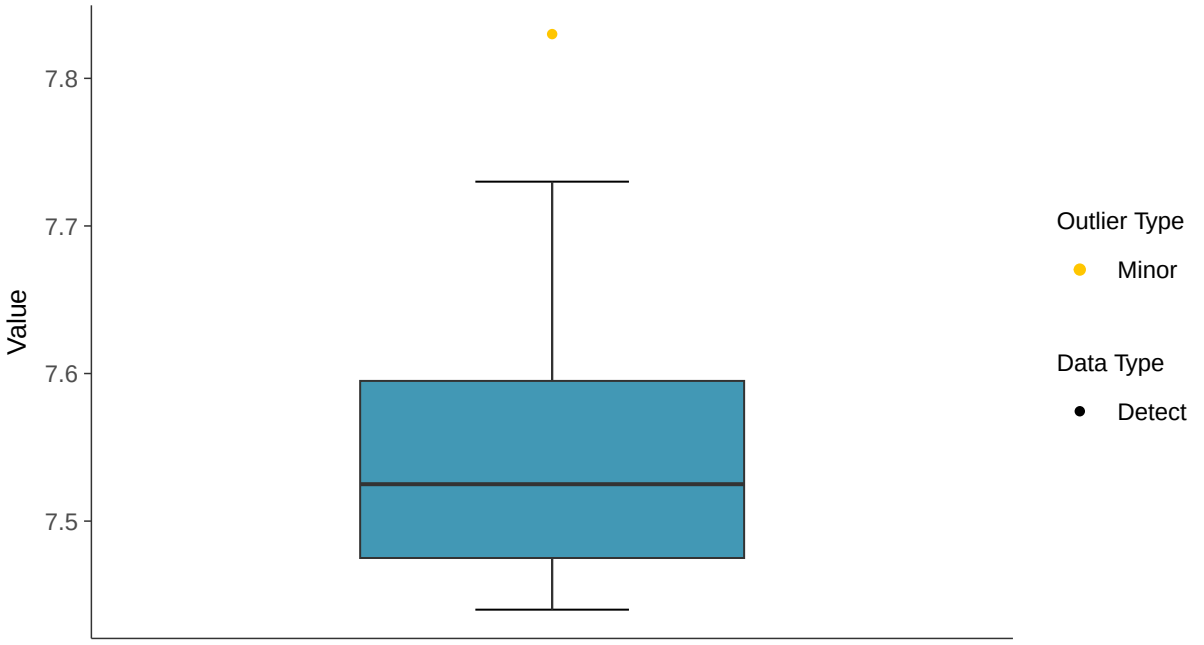
ID: 13_2_120





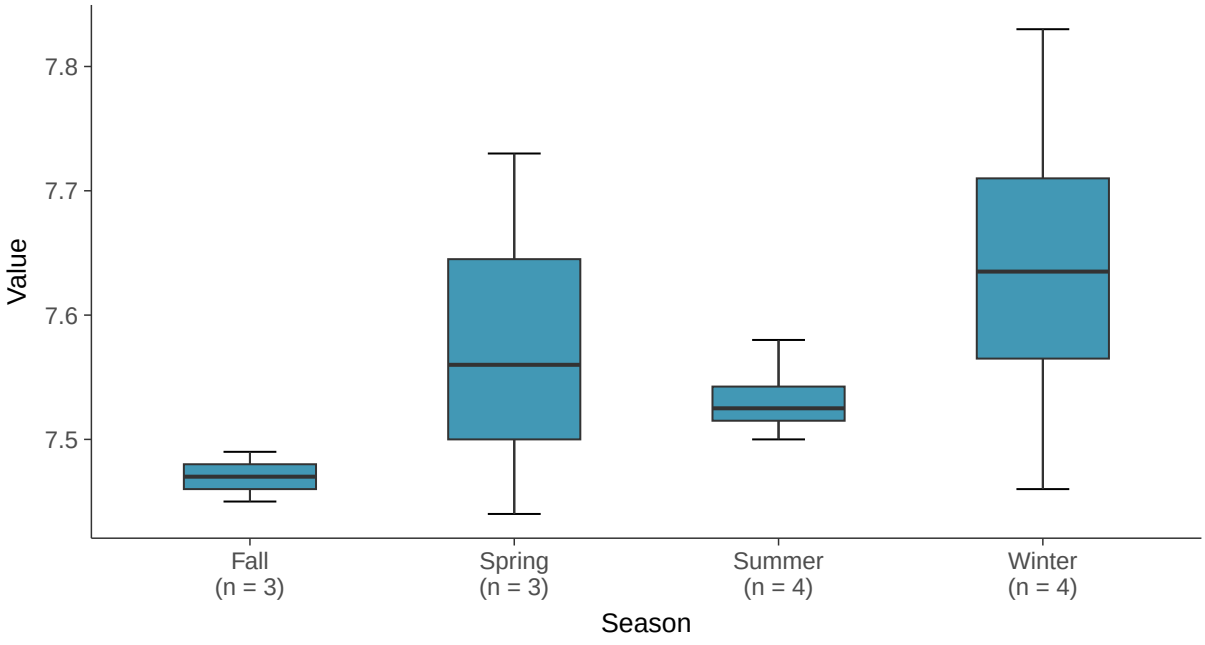
Boxplot

pH, Field, MW-16D (su)



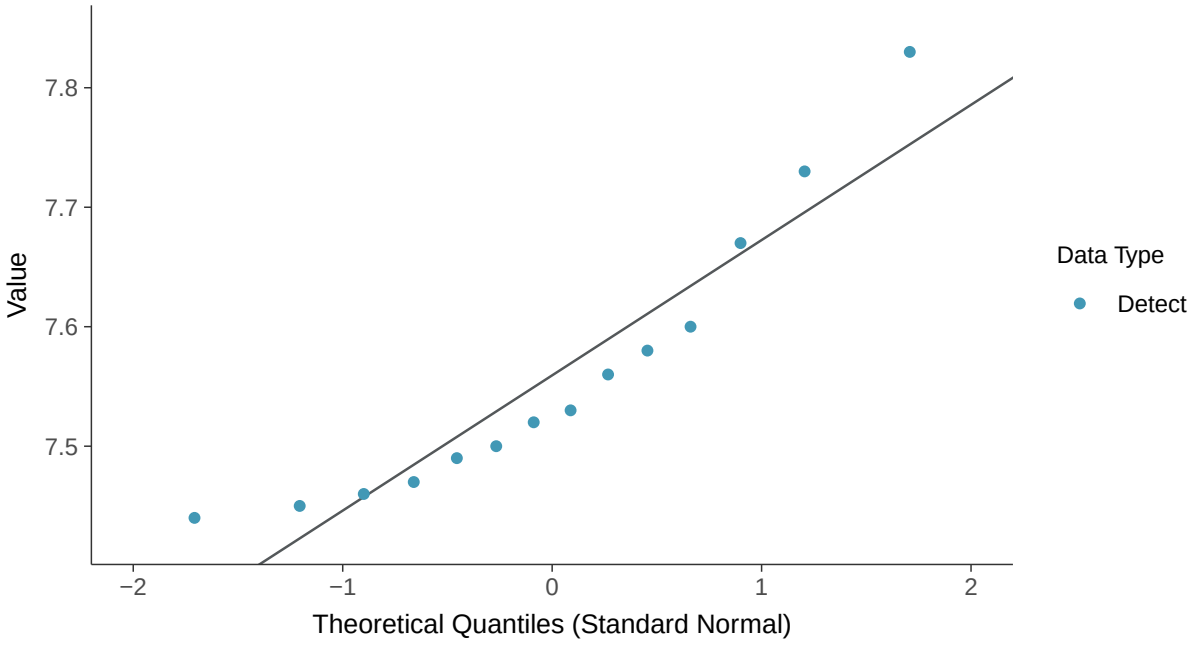
Boxplot by Season

pH, Field, MW-16D (su)



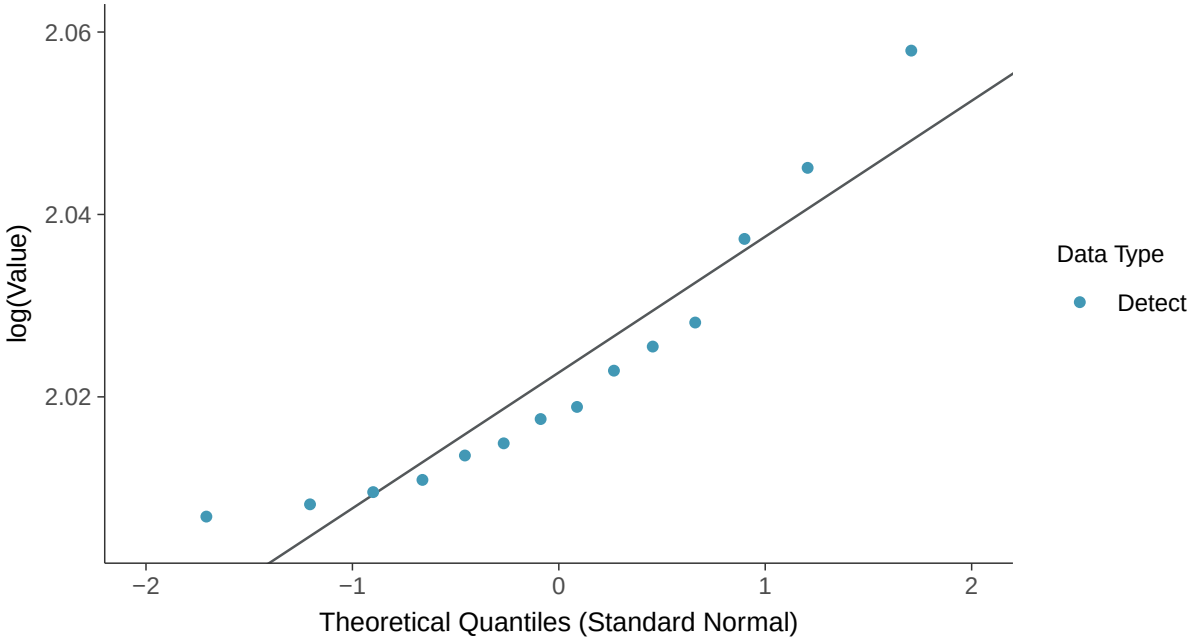
Normal Q-Q plot

pH, Field, MW-16D (su)



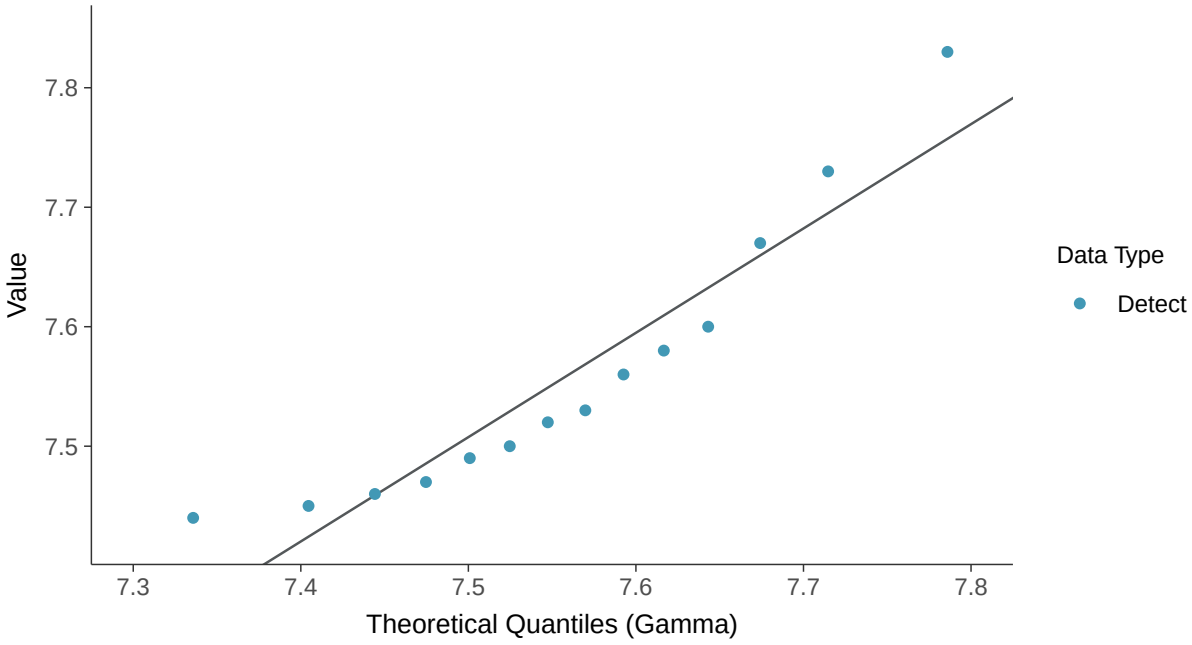
Lognormal Q-Q plot

pH, Field, MW-16D (su)



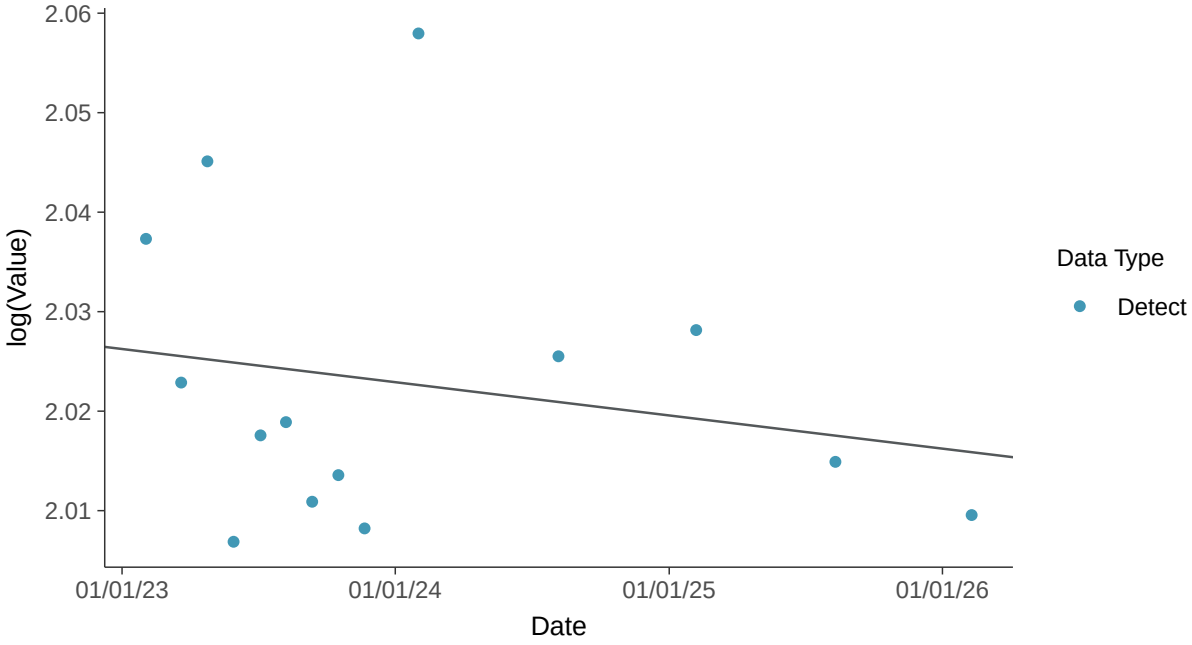
Gamma Q-Q plot

pH, Field, MW-16D (su)



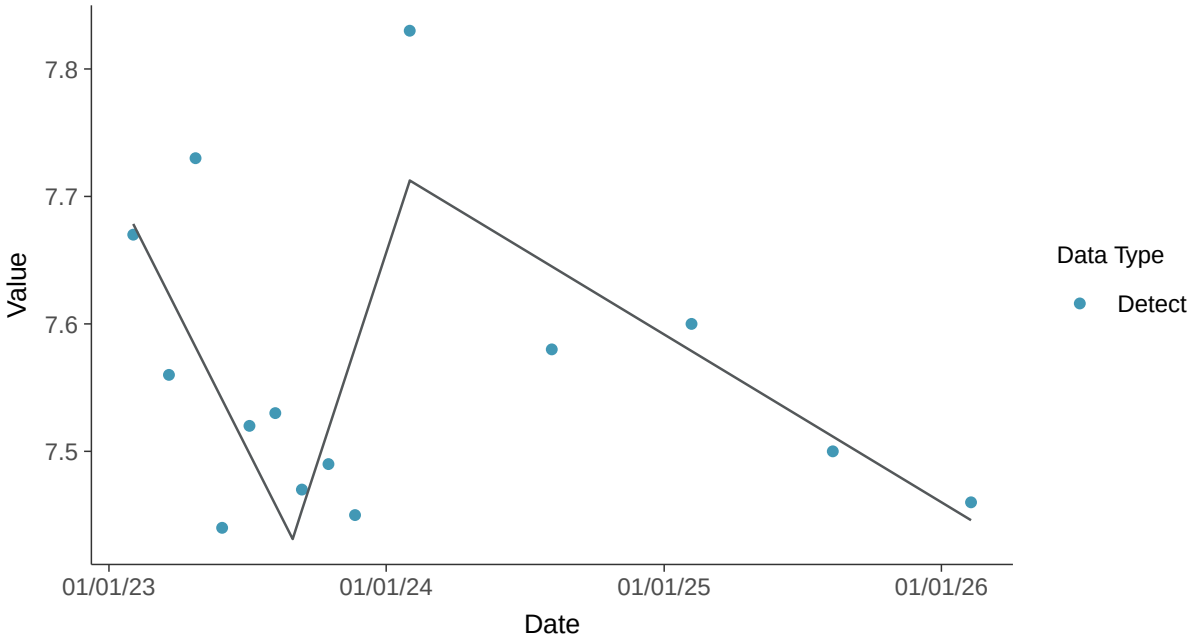
Trend Regression: Lognormal MLE

pH, Field, MW-16D (su)



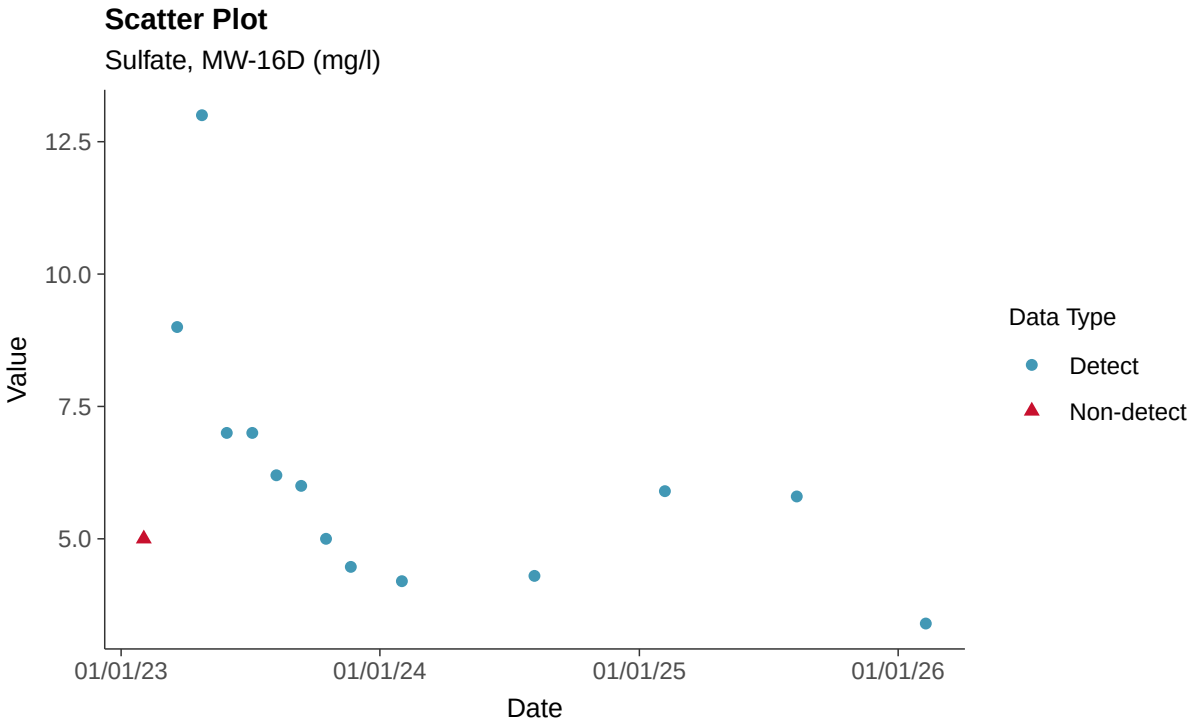
Trend Regression: Piecewise Linear-Linear-Linear

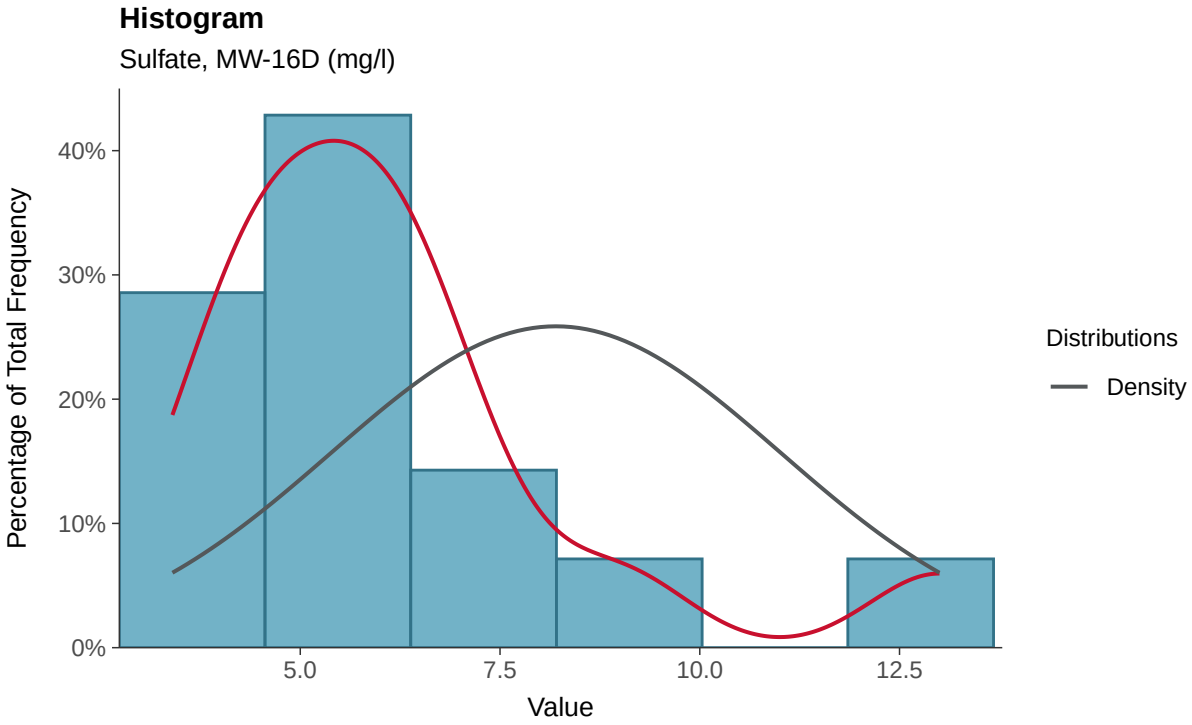
pH, Field, MW-16D (su)



Appendix III: Sulfate, MW-16D

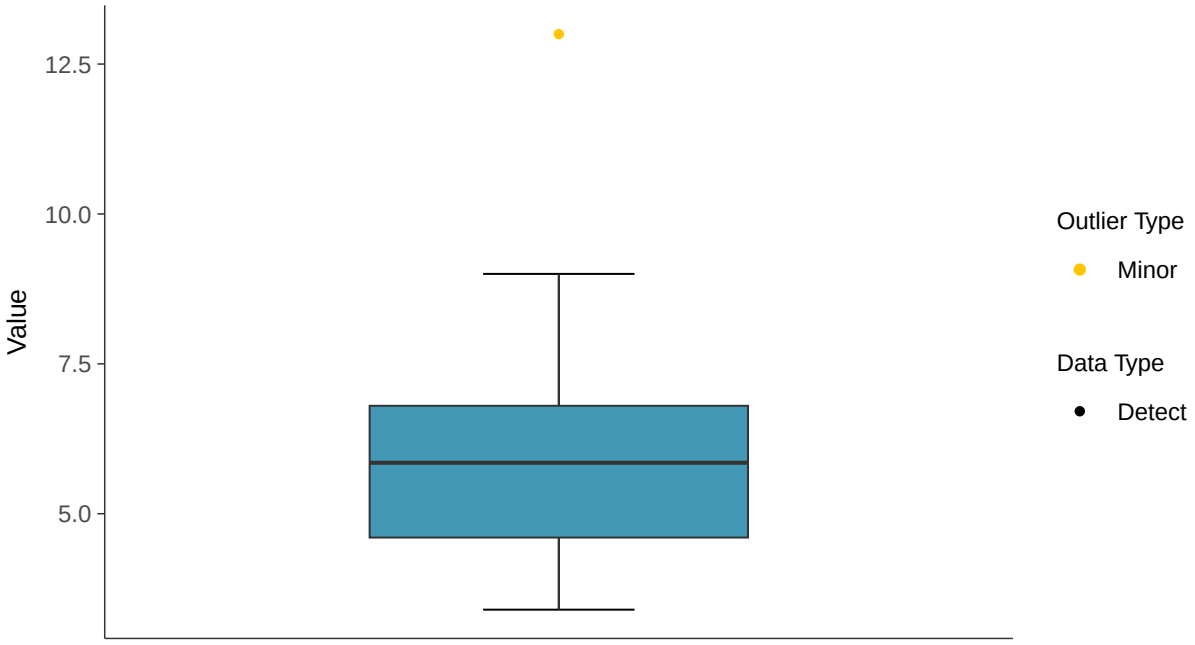
ID: 13_2_124





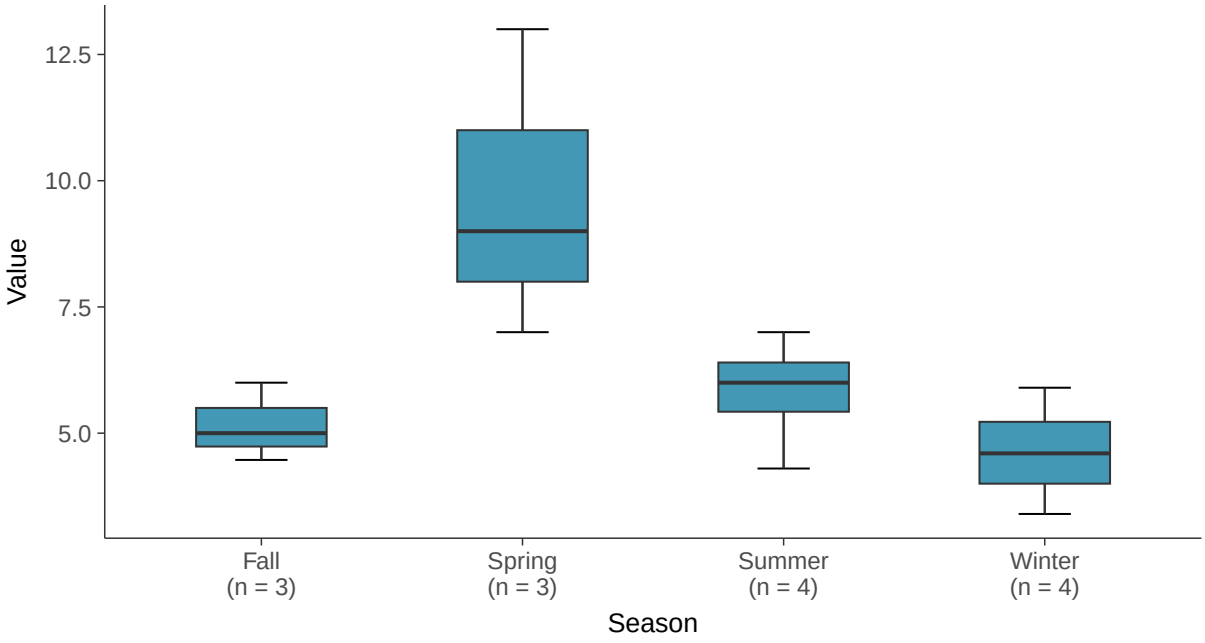
Boxplot

Sulfate, MW-16D (mg/l)



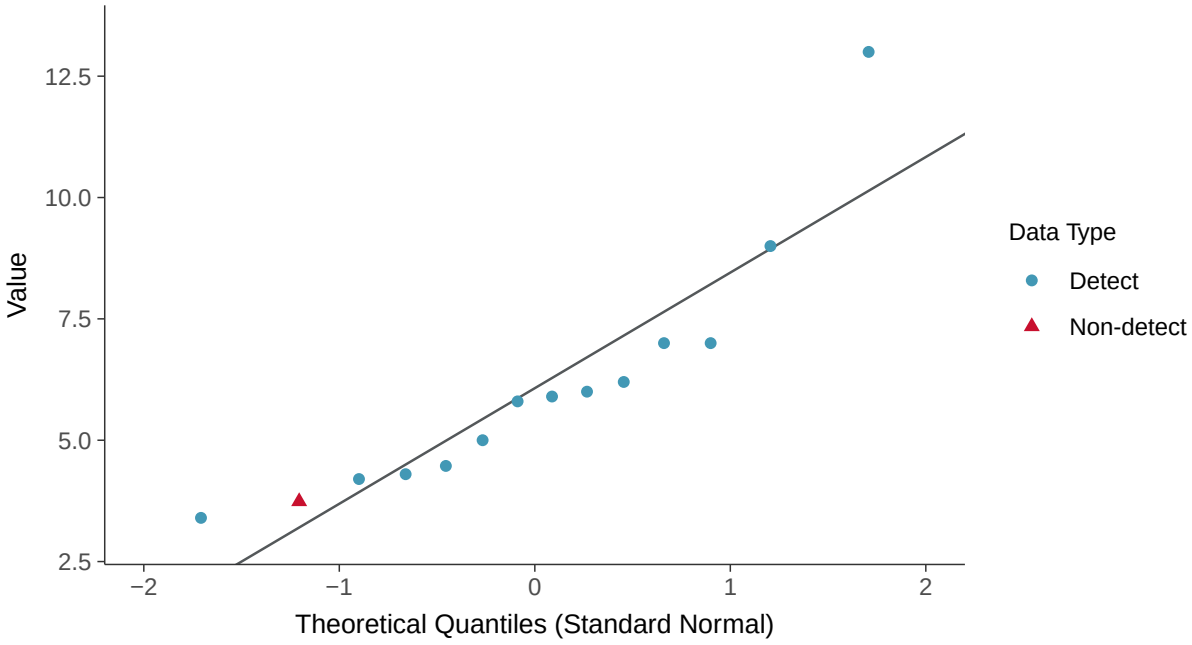
Boxplot by Season

Sulfate, MW-16D (mg/l)



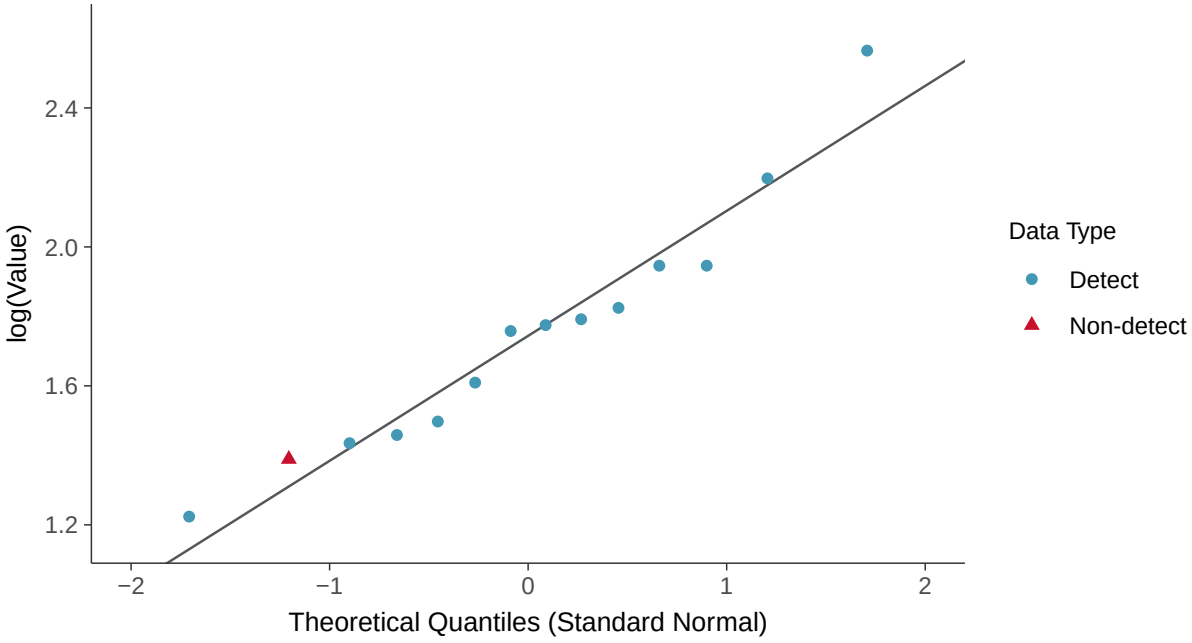
Normal Q-Q plot using ROS Imputed Estimates

Sulfate, MW-16D (mg/l)



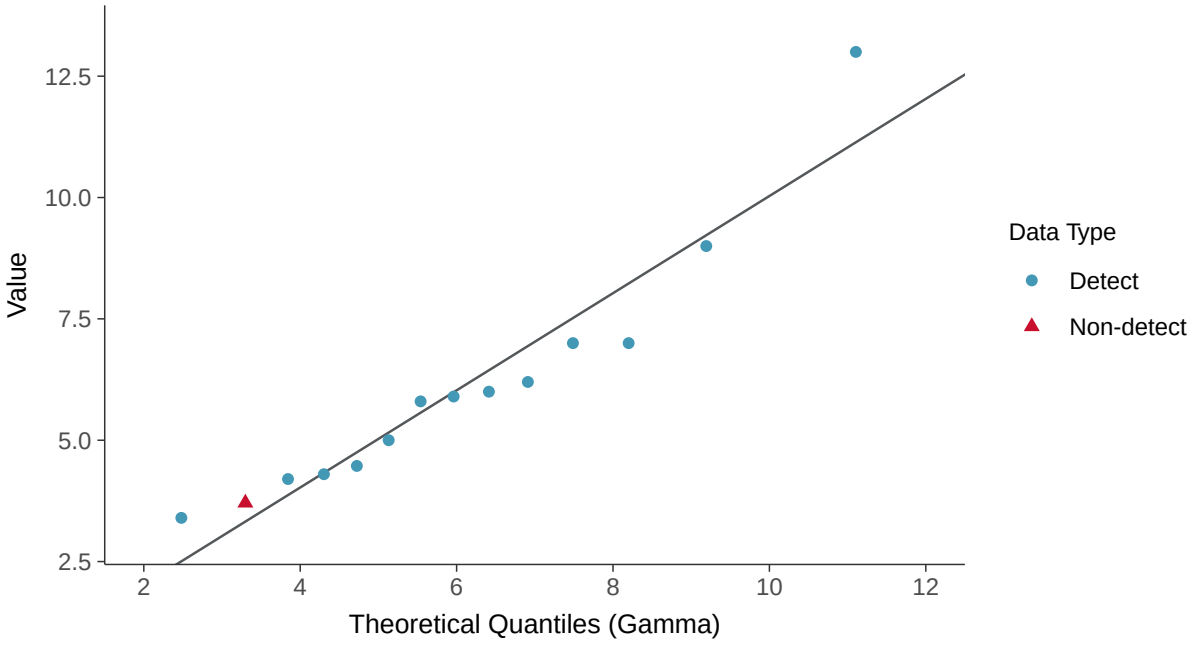
Lognormal Q-Q plot using ROS Imputed Estimates

Sulfate, MW-16D (mg/l)



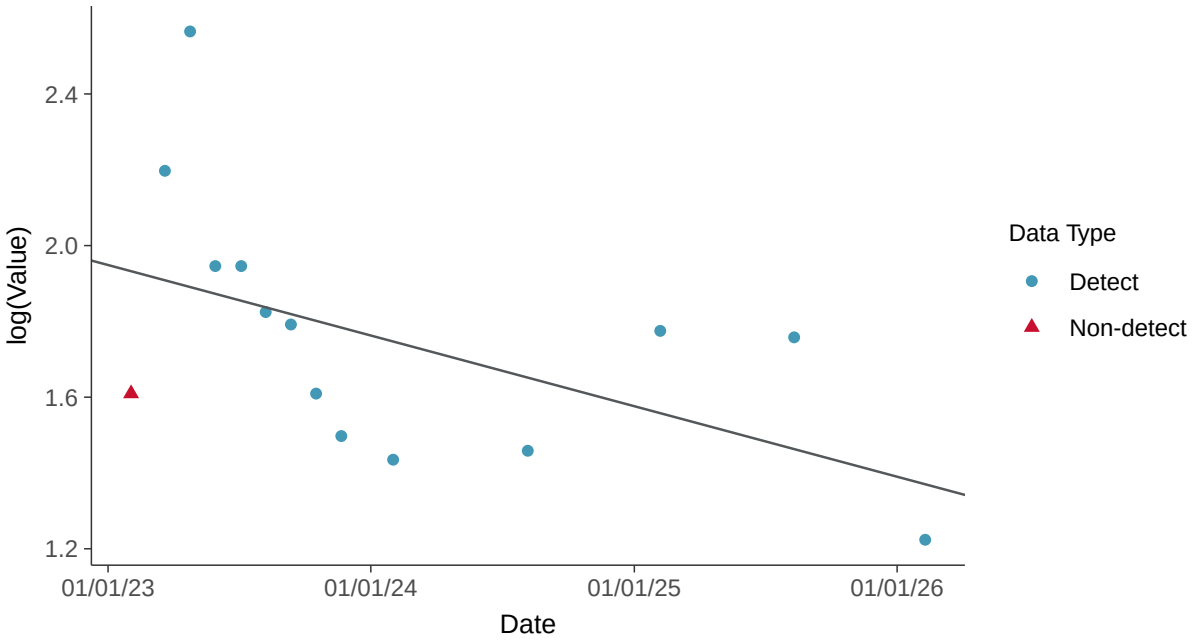
Gamma Q-Q plot using ROS Imputed Estimates

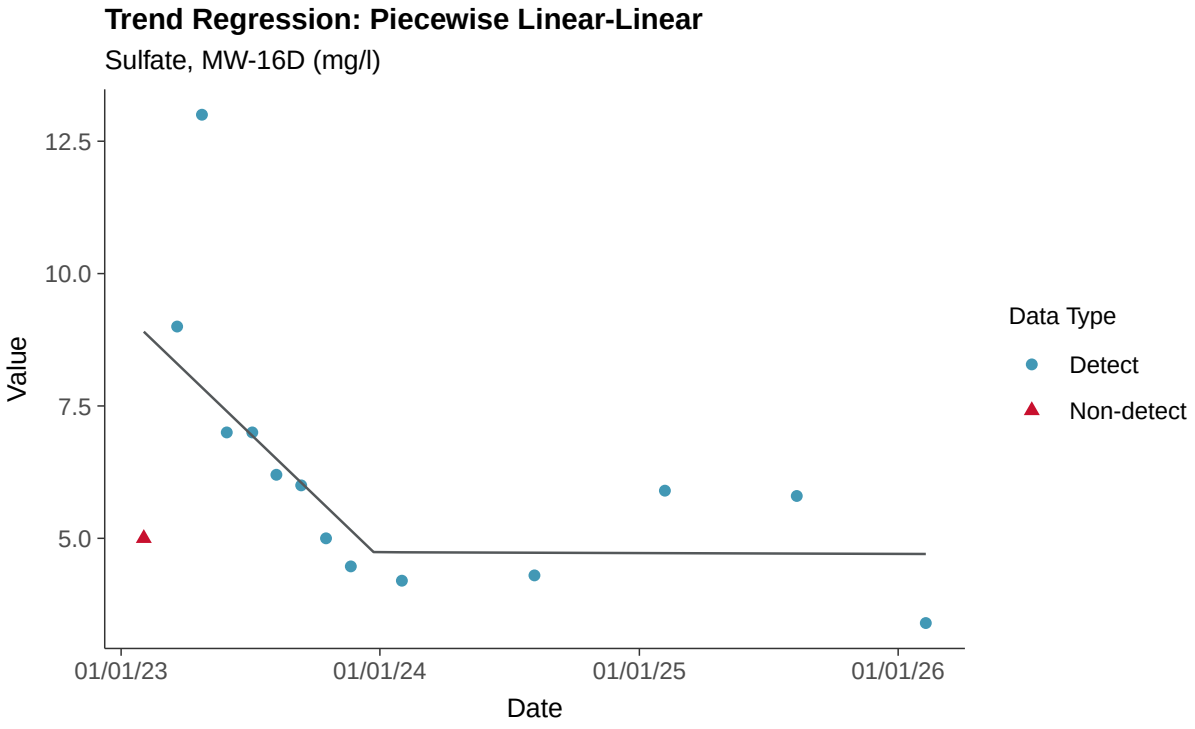
Sulfate, MW-16D (mg/l)



Trend Regression: Lognormal MLE

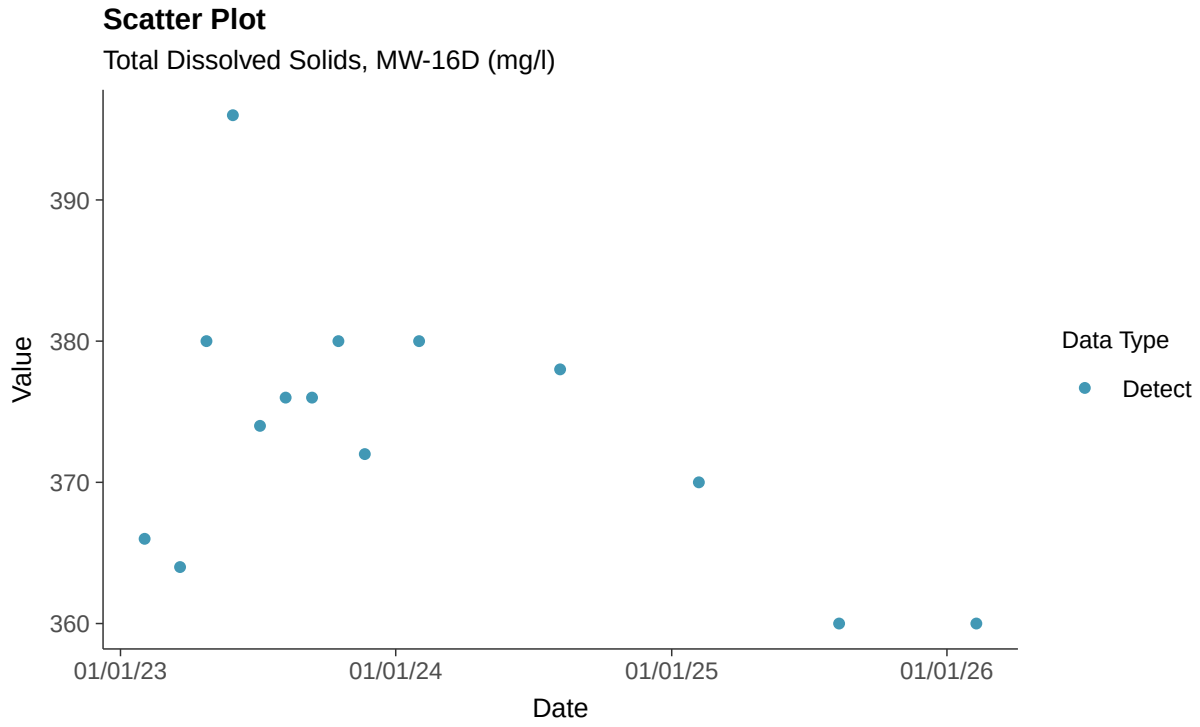
Sulfate, MW-16D (mg/l)

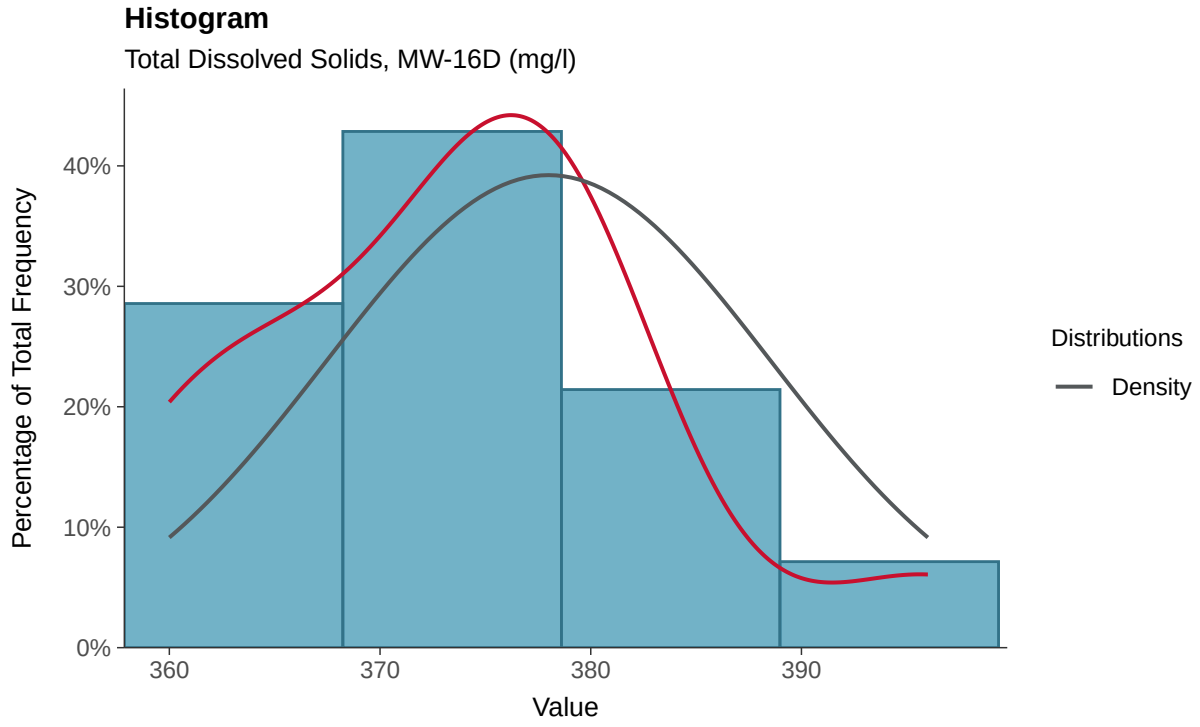



Trend Regression: Piecewise Linear-Linear
Sulfate, MW-16D (mg/l)
Value
12.5
10.0
7.5
5.0
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: Total Dissolved Solids, MW-16D

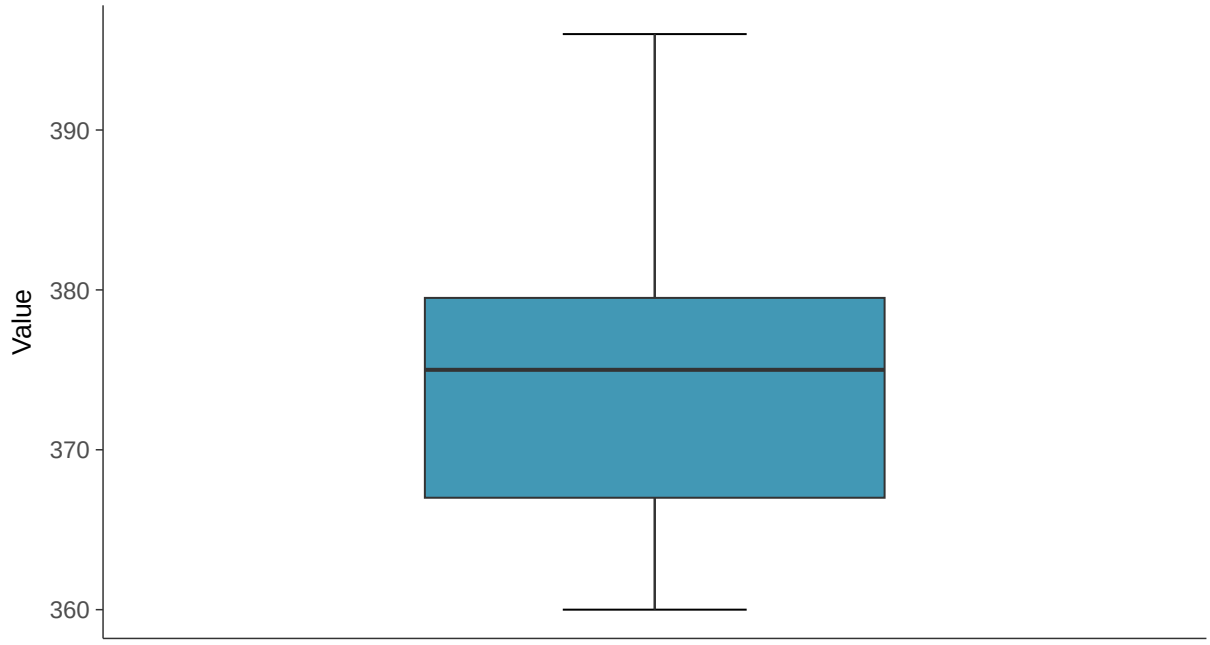
ID: 13_2_126





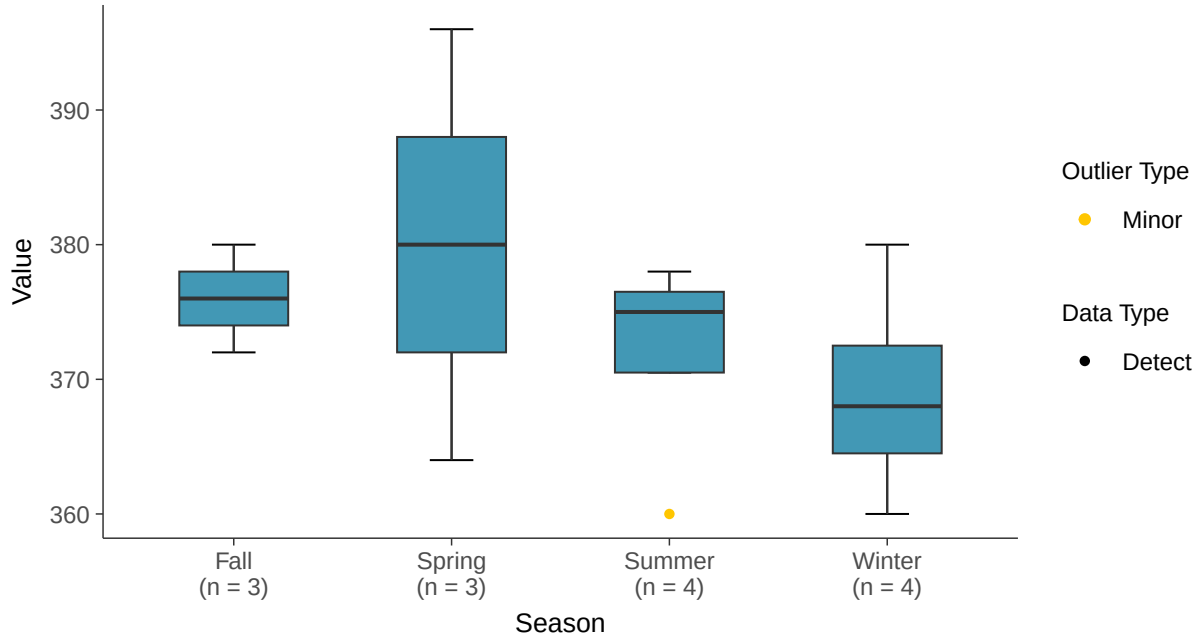
Boxplot

Total Dissolved Solids, MW-16D (mg/l)



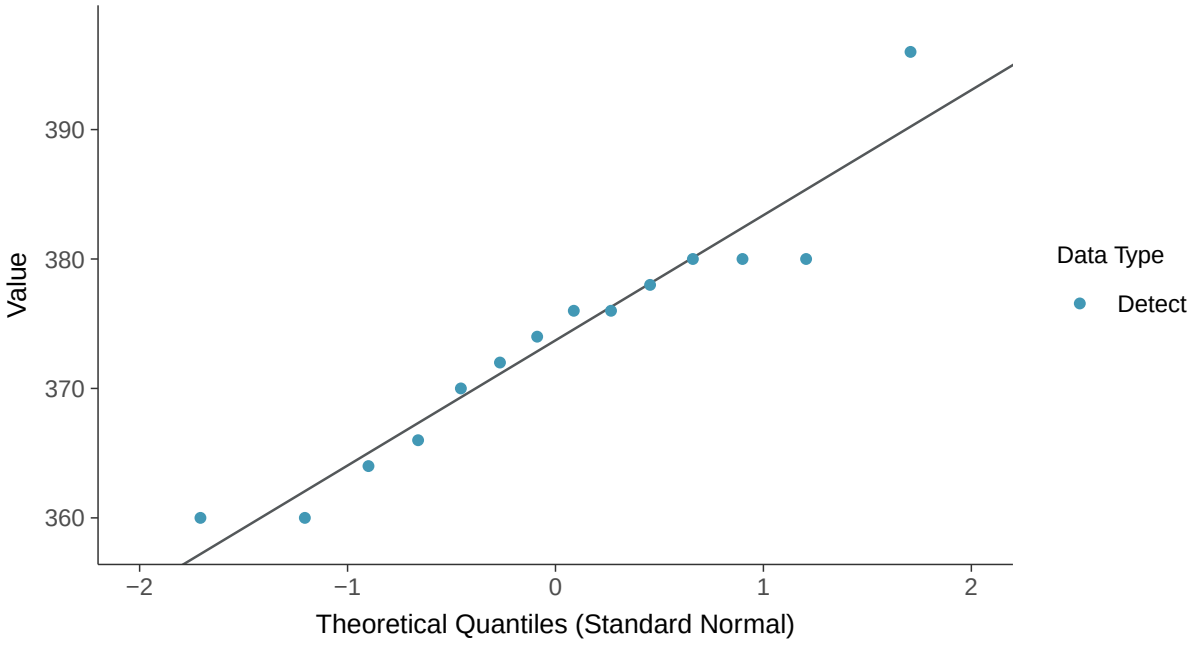
Boxplot by Season

Total Dissolved Solids, MW-16D (mg/l)



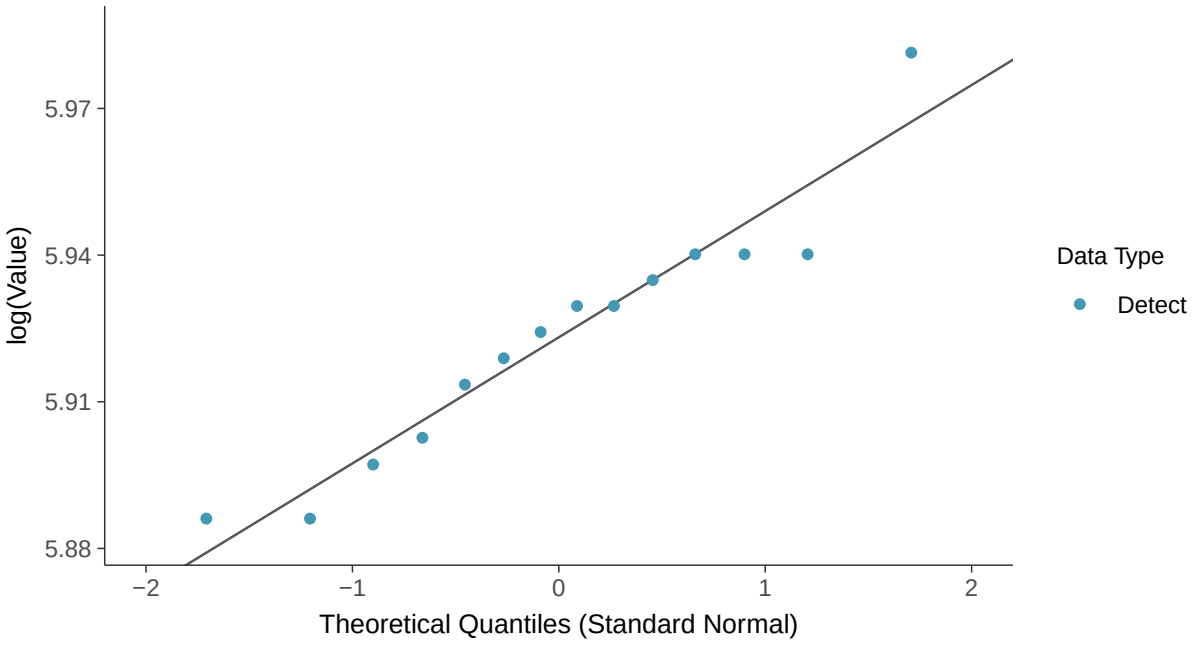
Normal Q-Q plot

Total Dissolved Solids, MW-16D (mg/l)



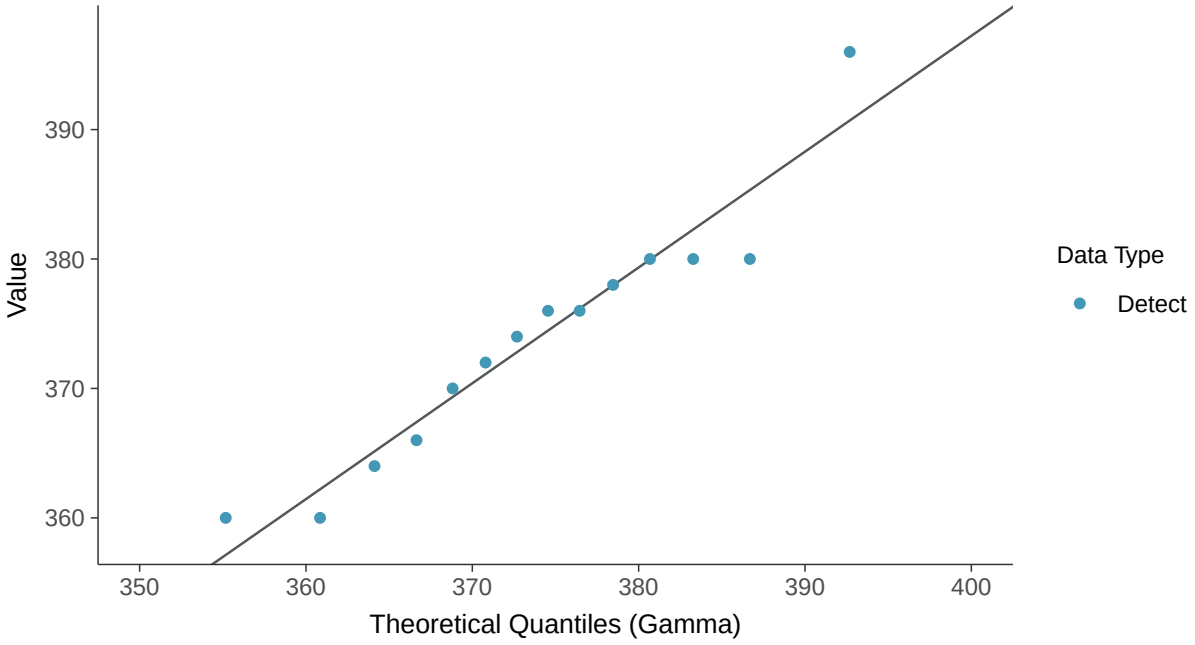
Lognormal Q-Q plot

Total Dissolved Solids, MW-16D (mg/l)



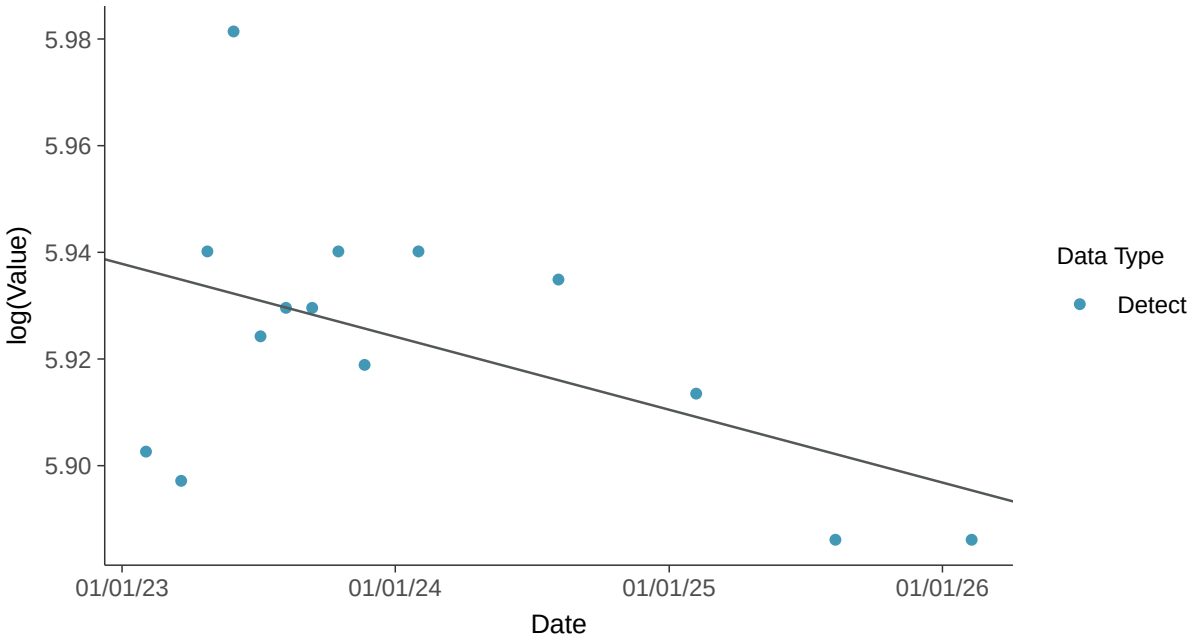
Gamma Q-Q plot

Total Dissolved Solids, MW-16D (mg/l)



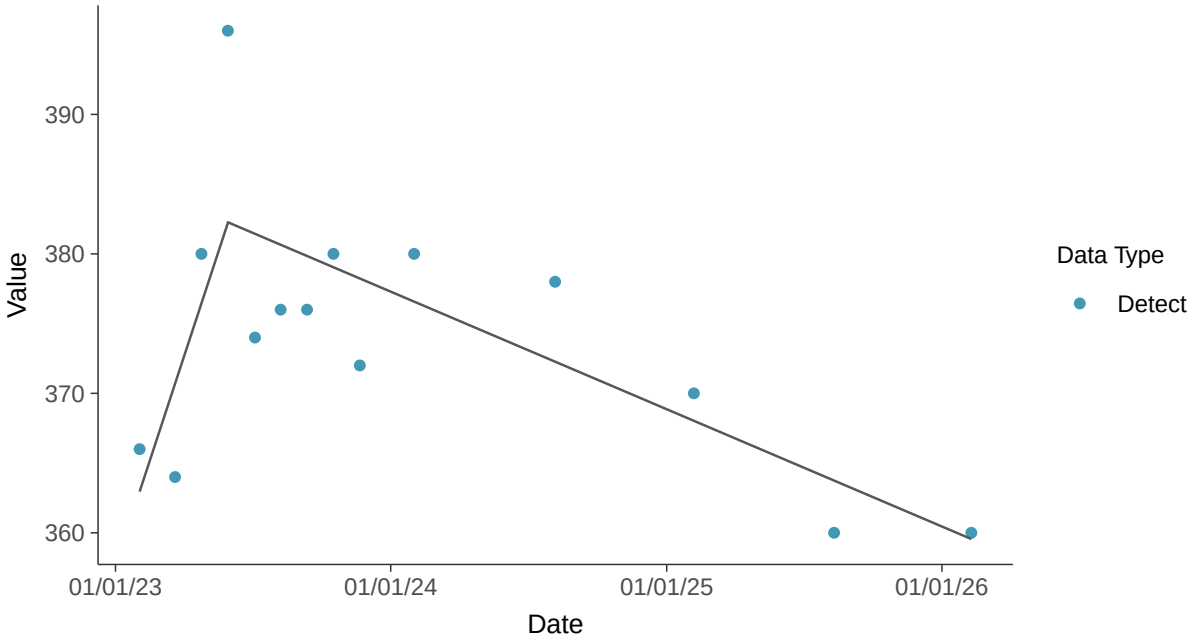
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-16D (mg/l)



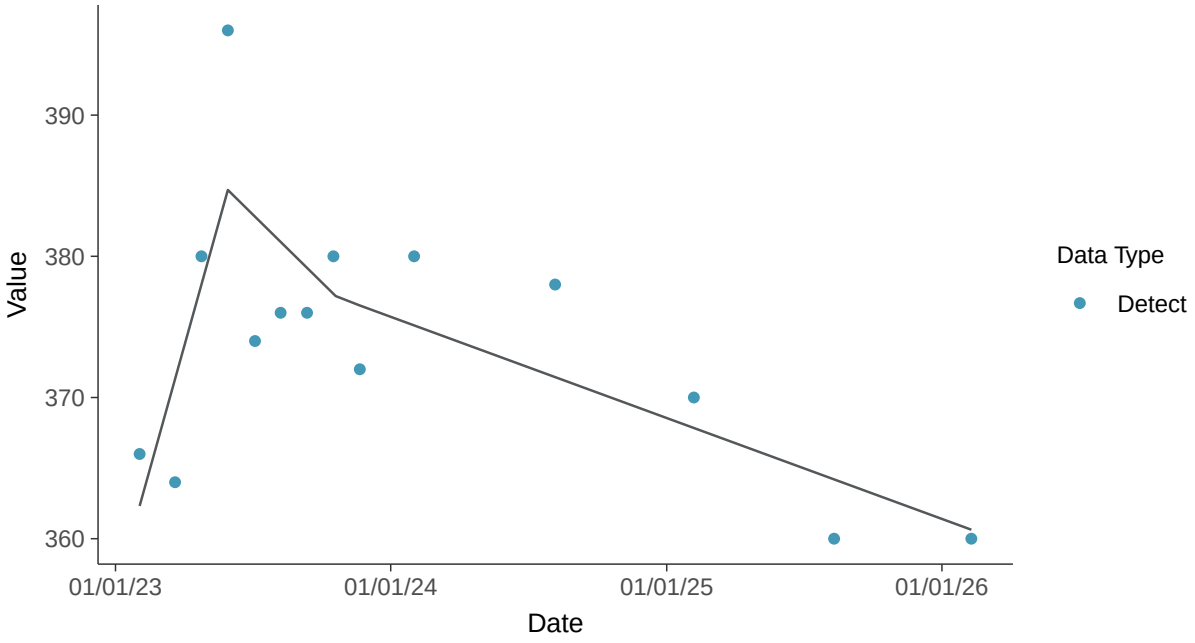
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-16D (mg/l)



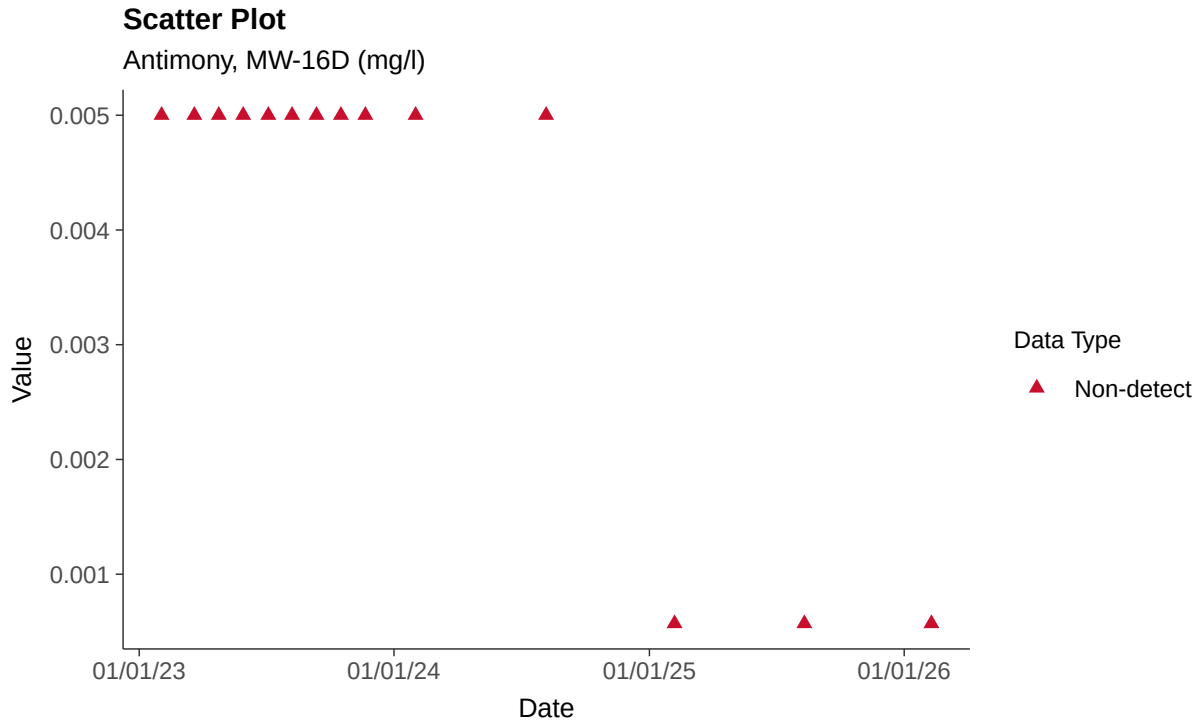
Trend Regression: Piecewise Linear-Linear-Linear

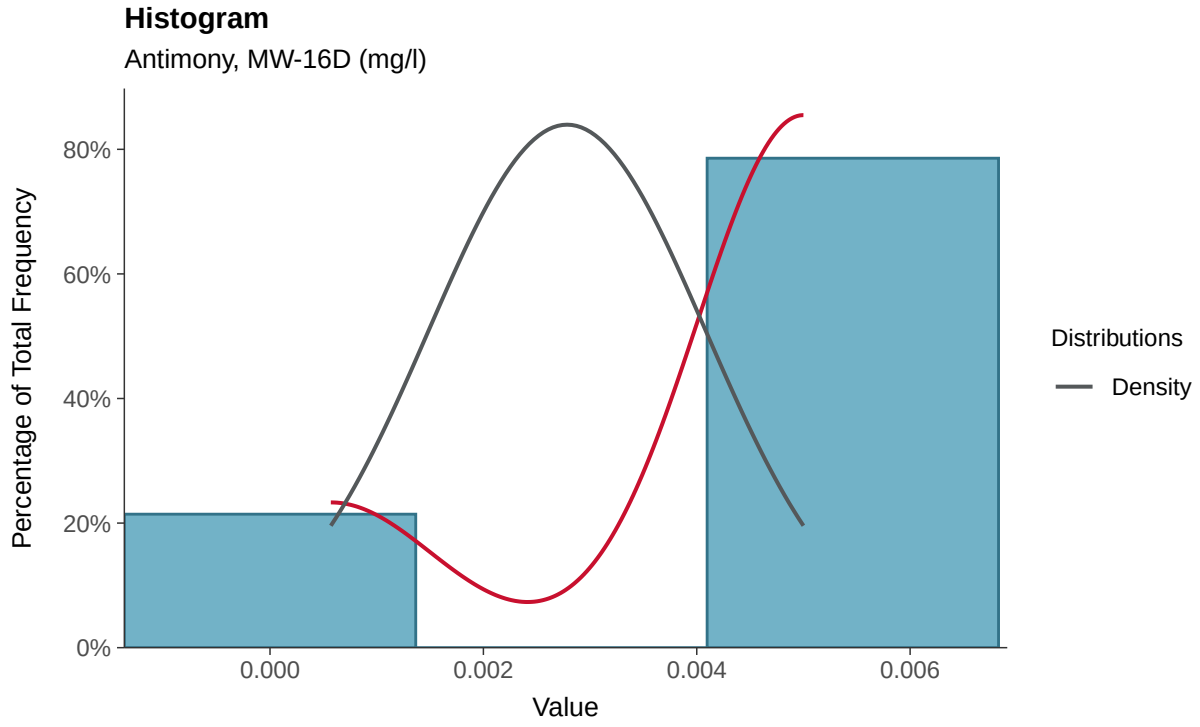
Total Dissolved Solids, MW-16D (mg/l)



Appendix IV: Antimony, MW-16D

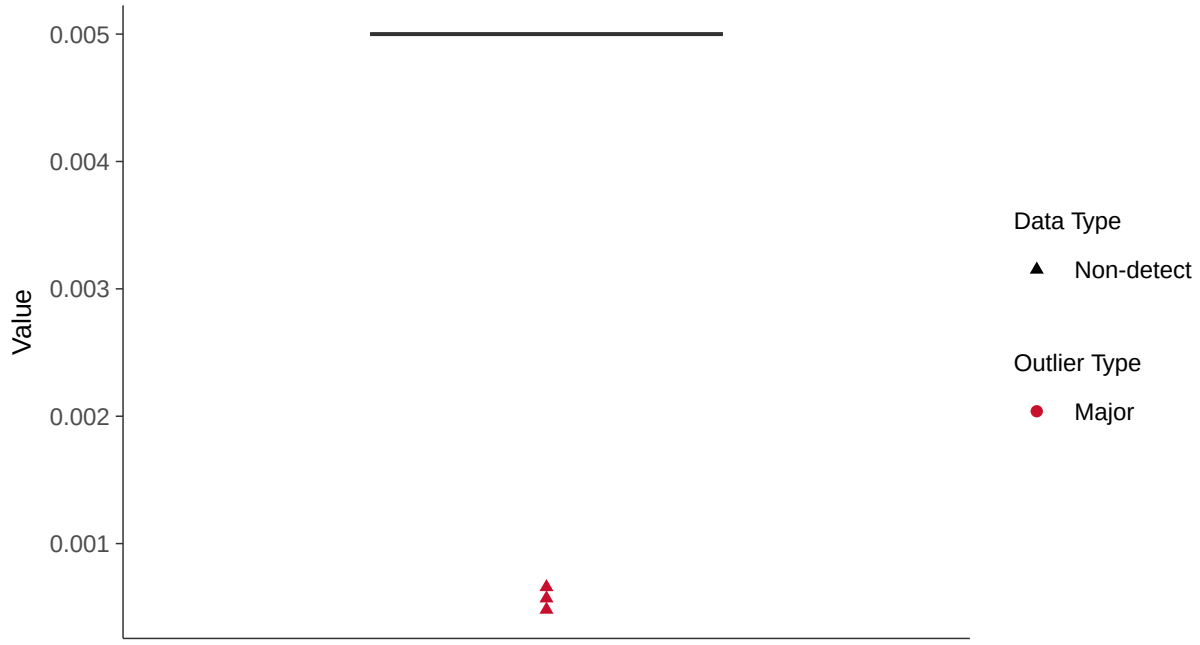
ID: 13_3_101





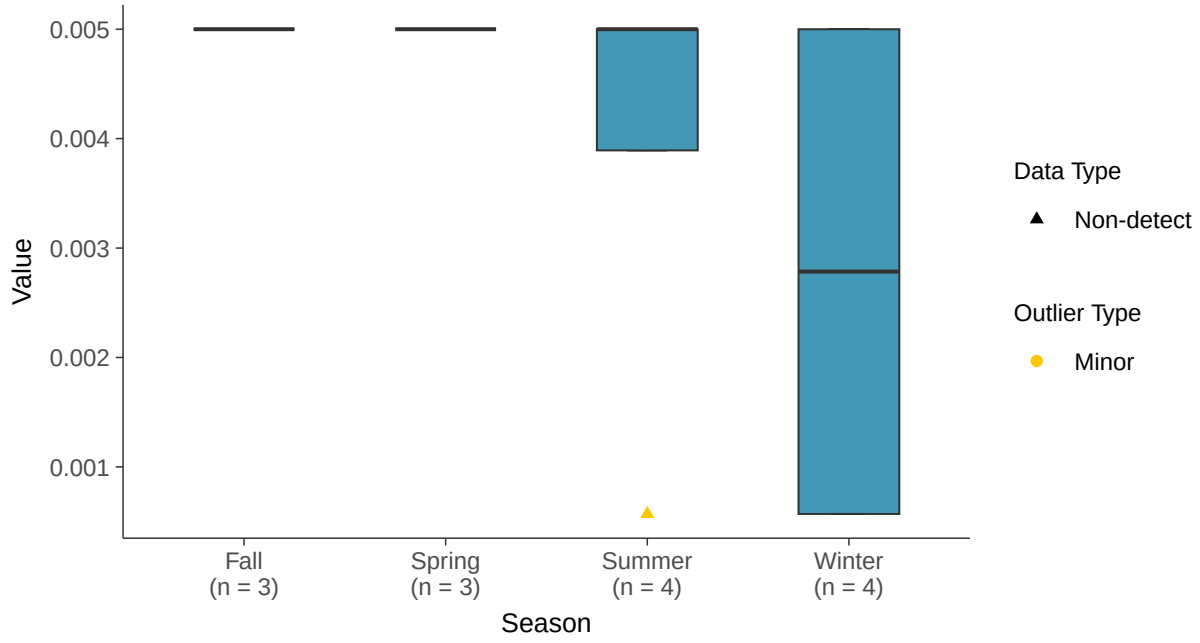
Boxplot

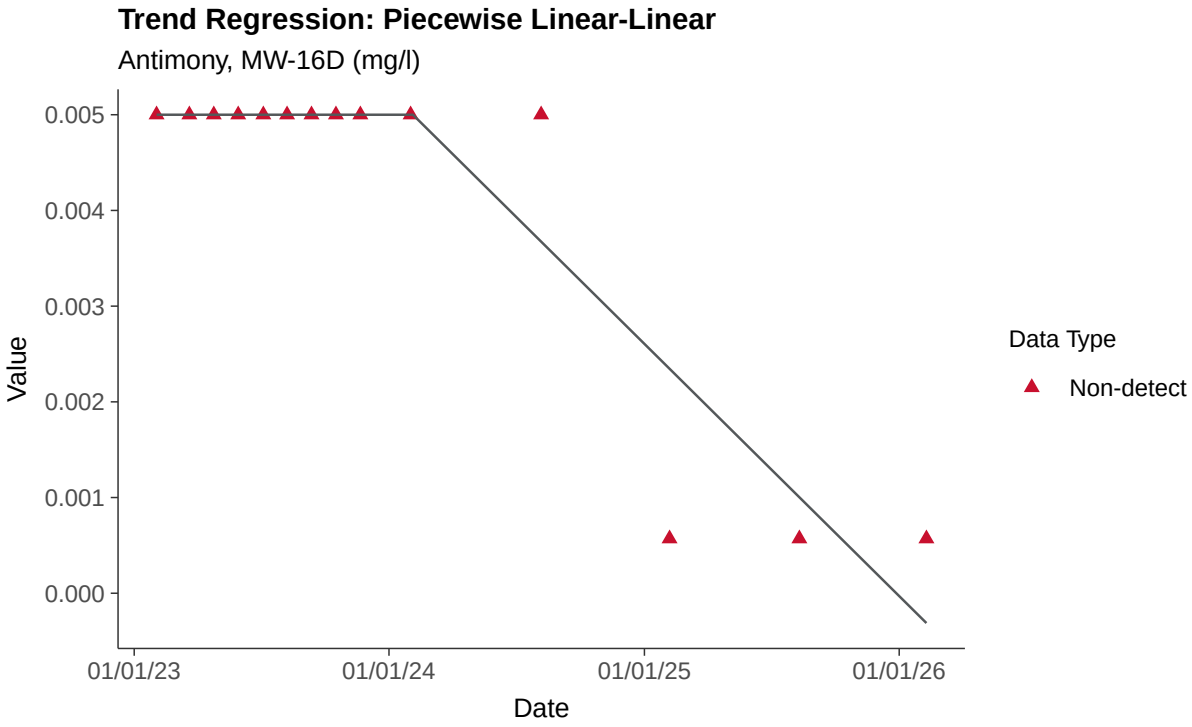
Antimony, MW-16D (mg/l)



Boxplot by Season

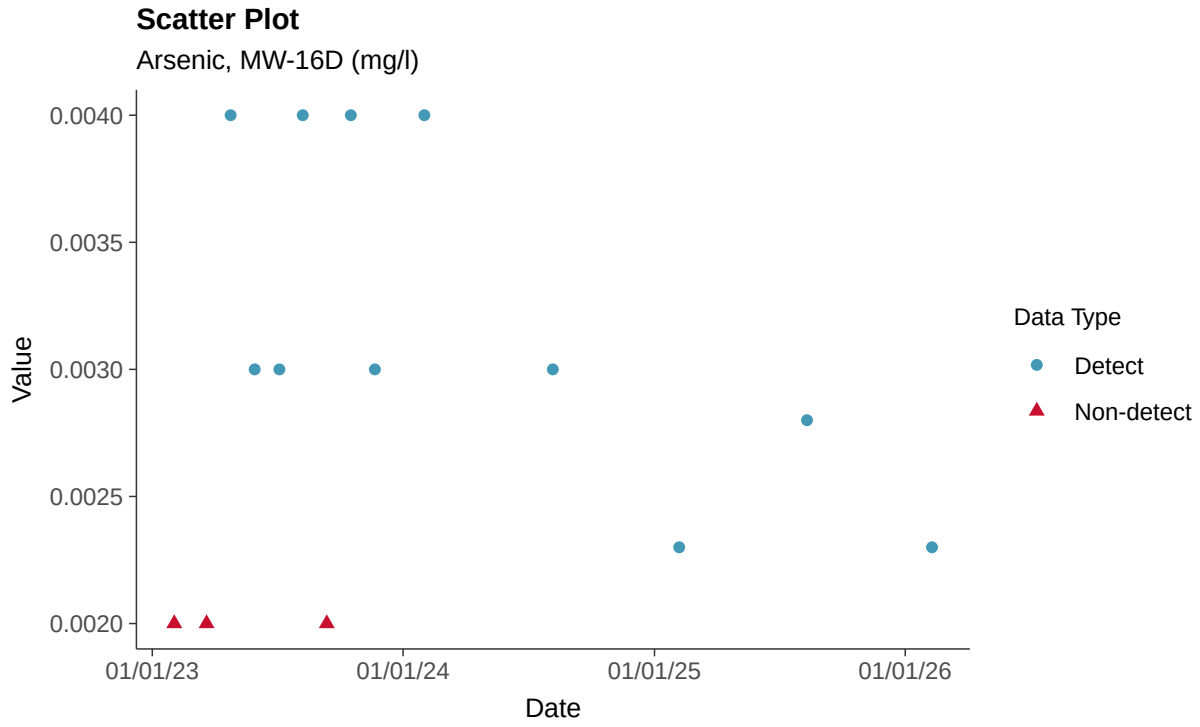
Antimony, MW-16D (mg/l)

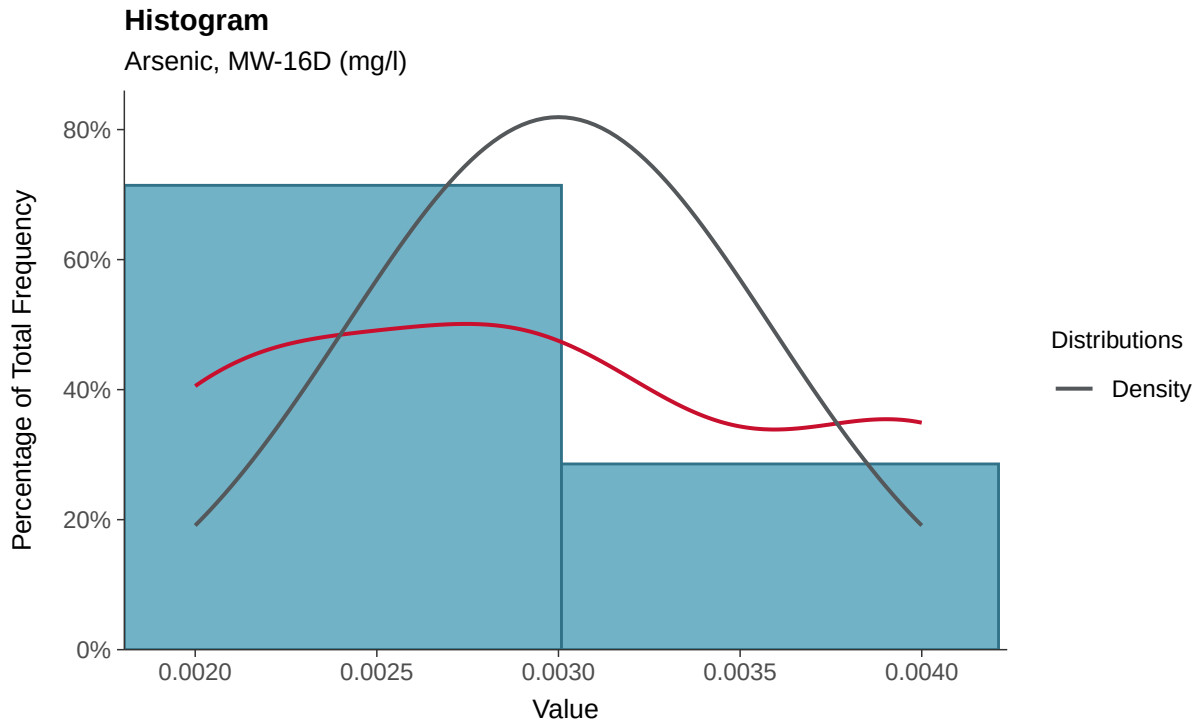



Trend Regression: Piecewise Linear-Linear
Antimony, MW-16D (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-16D

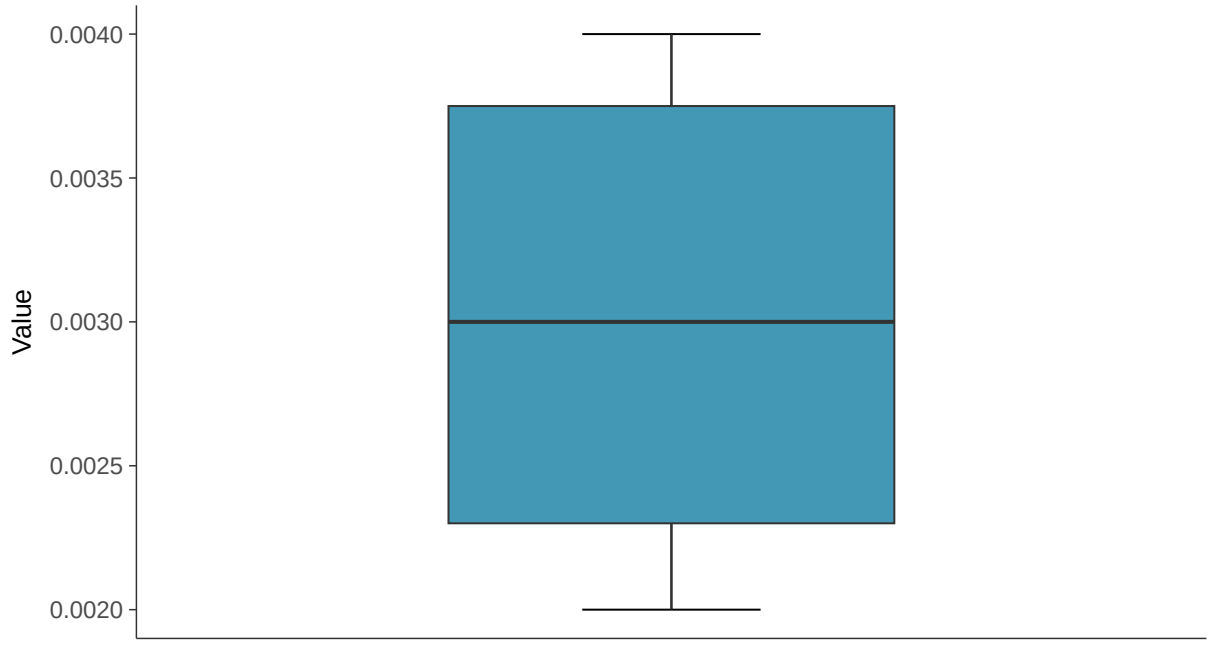
ID: 13_3_102





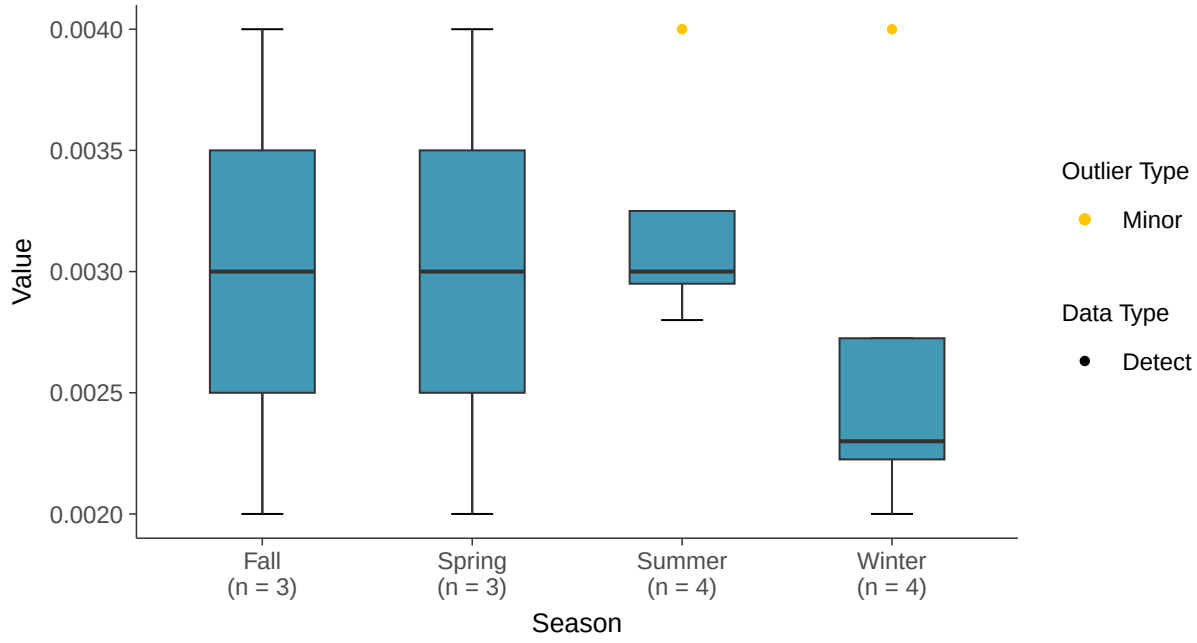
Boxplot

Arsenic, MW-16D (mg/l)



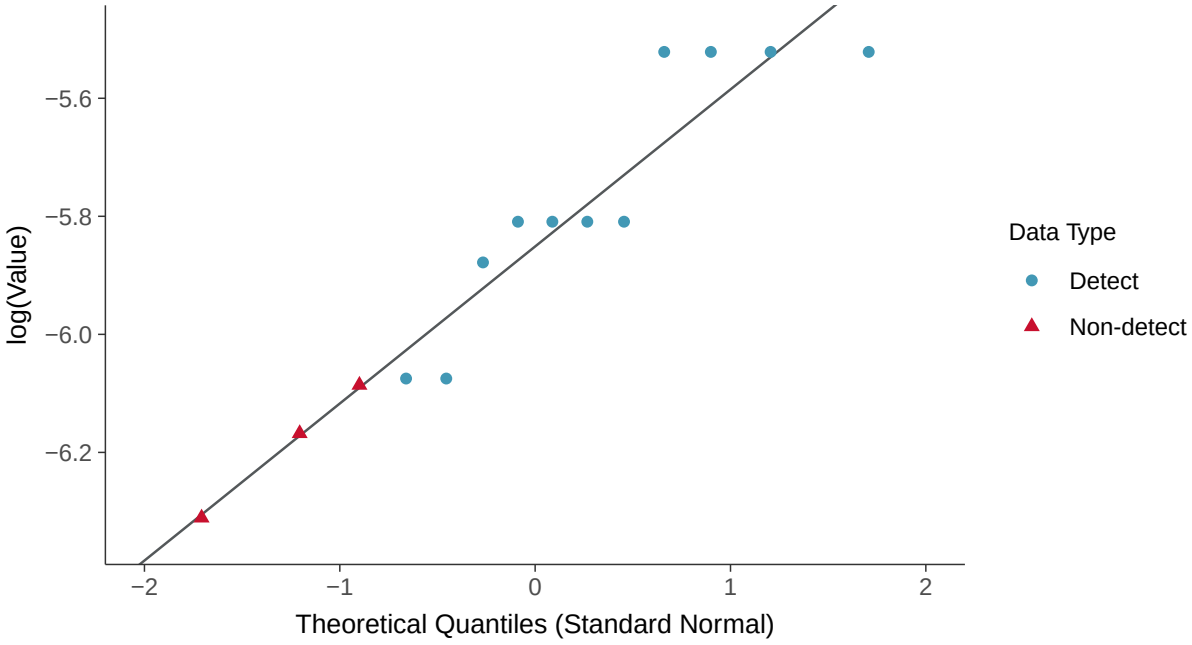
Boxplot by Season

Arsenic, MW-16D (mg/l)



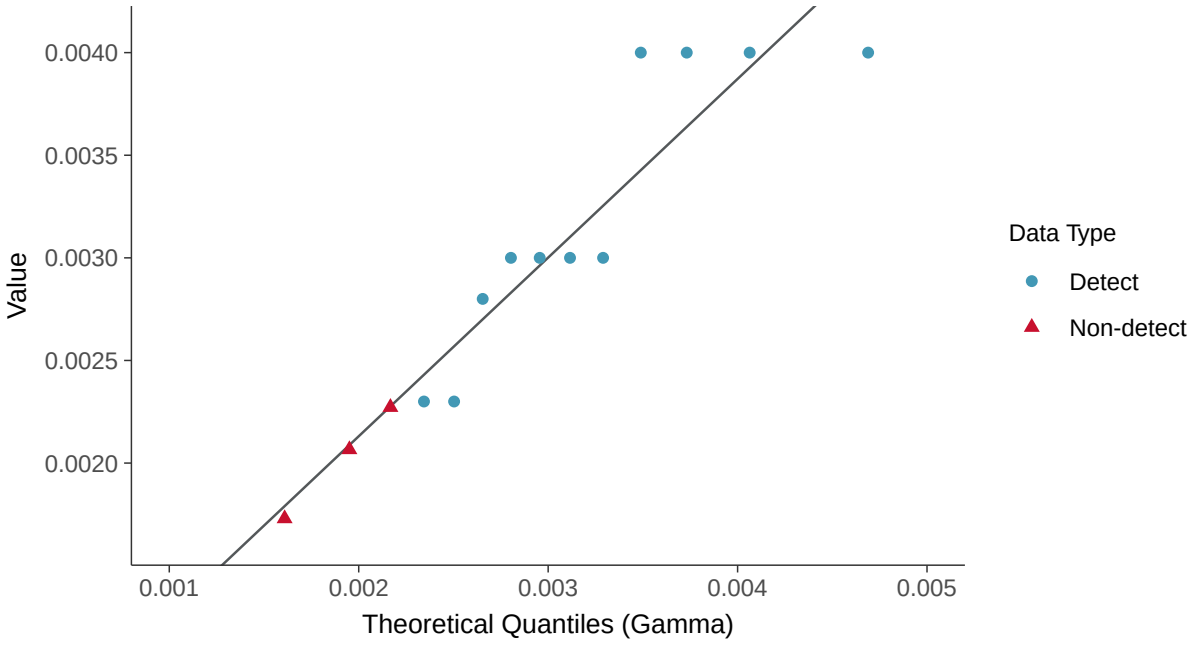
Lognormal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-16D (mg/l)



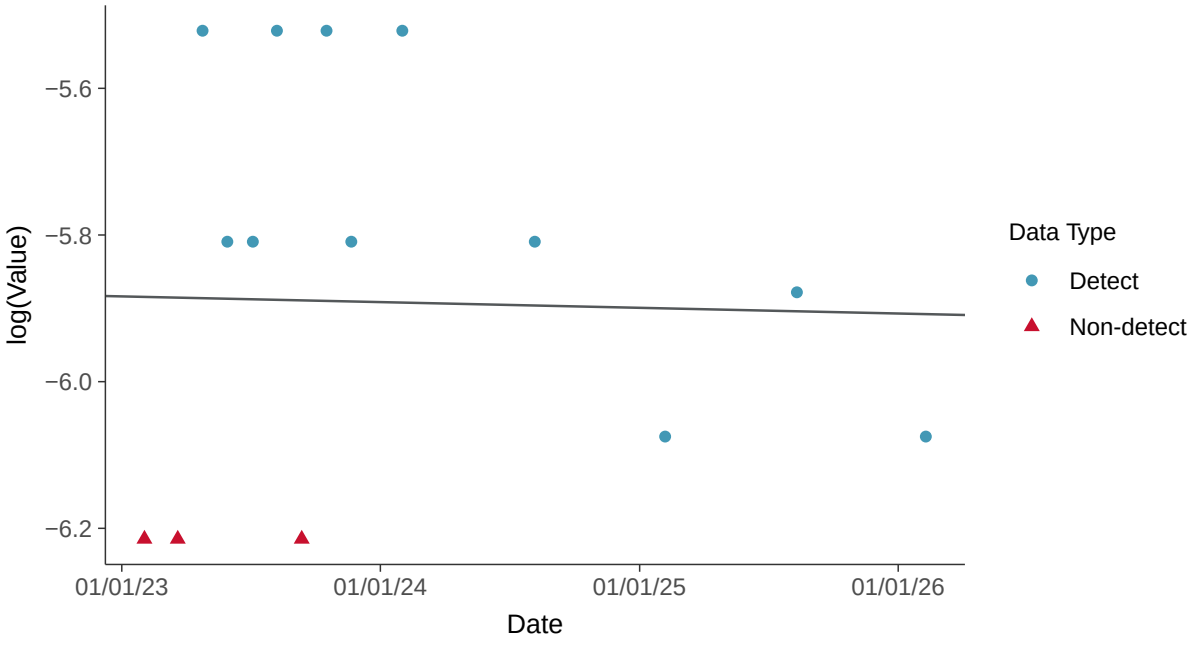
Gamma Q-Q plot using ROS Imputed Estimates

Arsenic, MW-16D (mg/l)



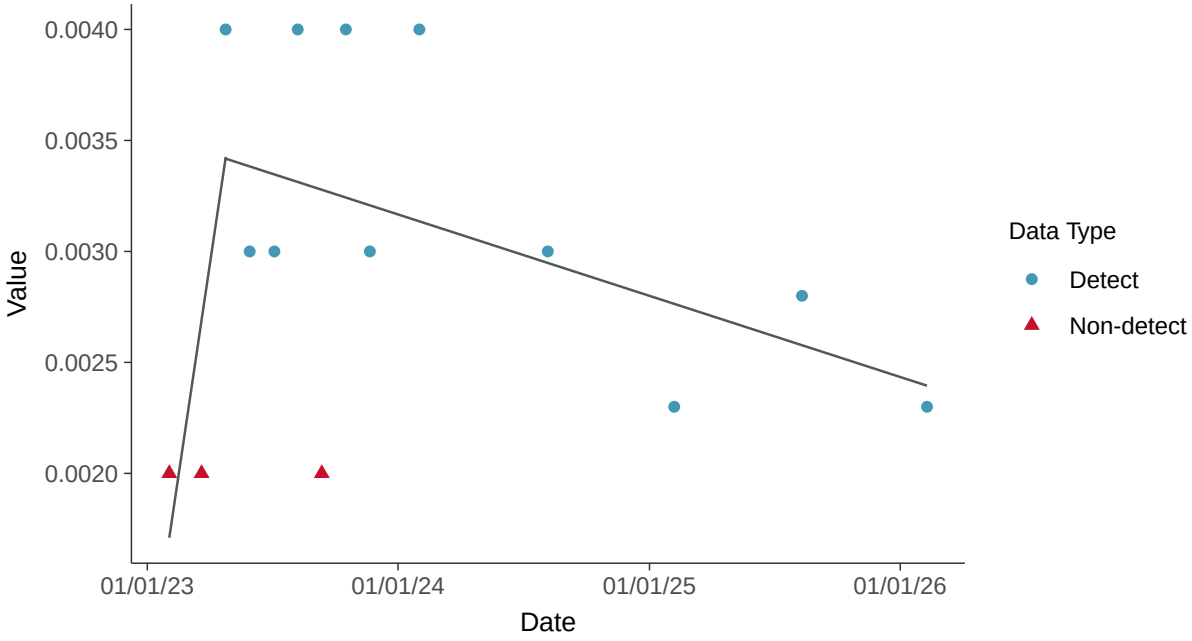
Trend Regression: Lognormal MLE

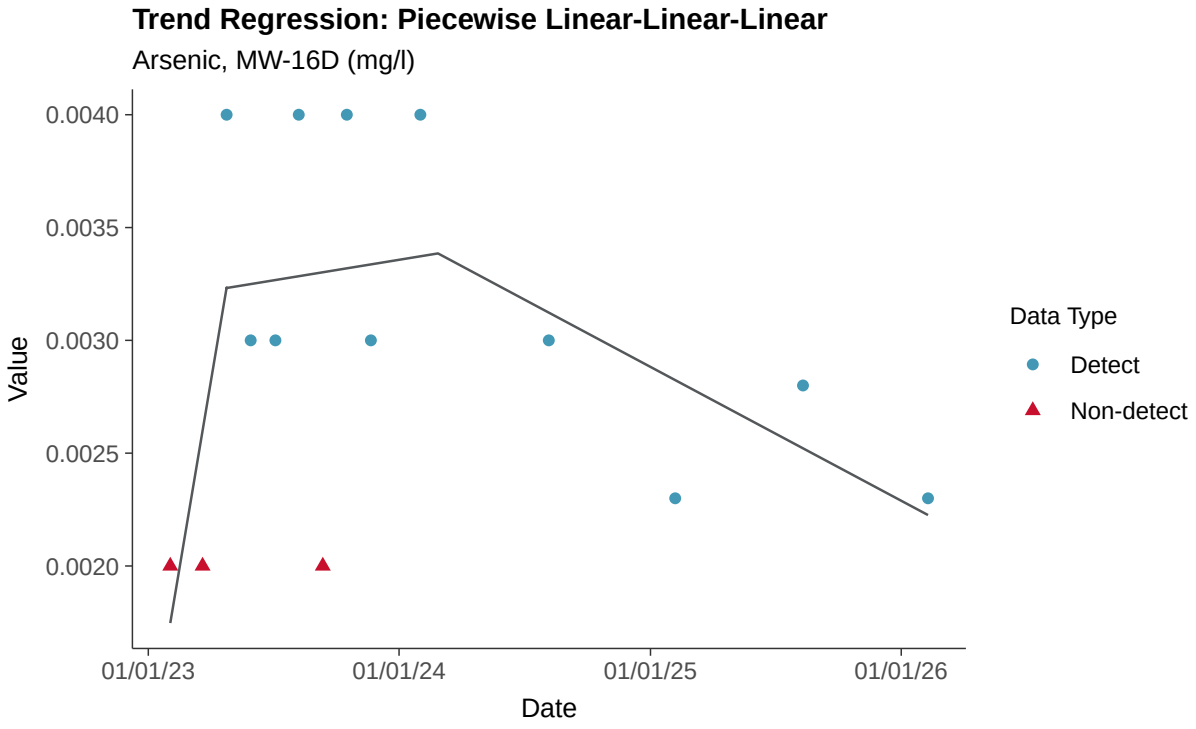
Arsenic, MW-16D (mg/l)



Trend Regression: Piecewise Linear-Linear

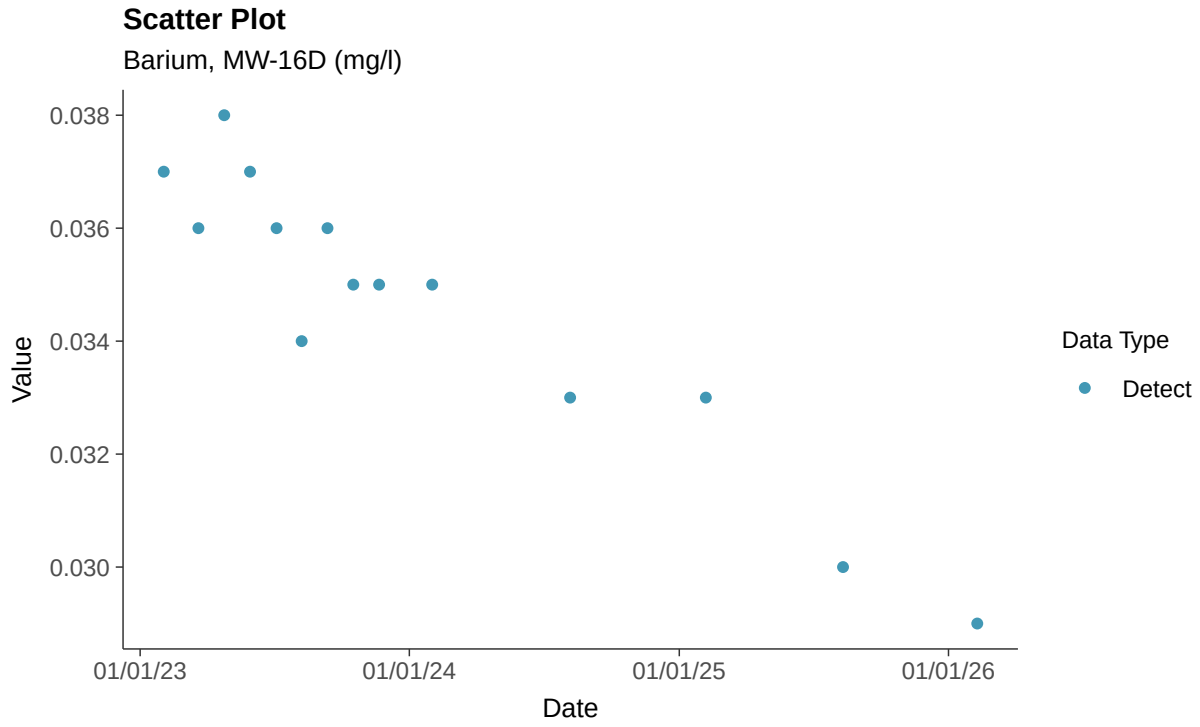
Arsenic, MW-16D (mg/l)

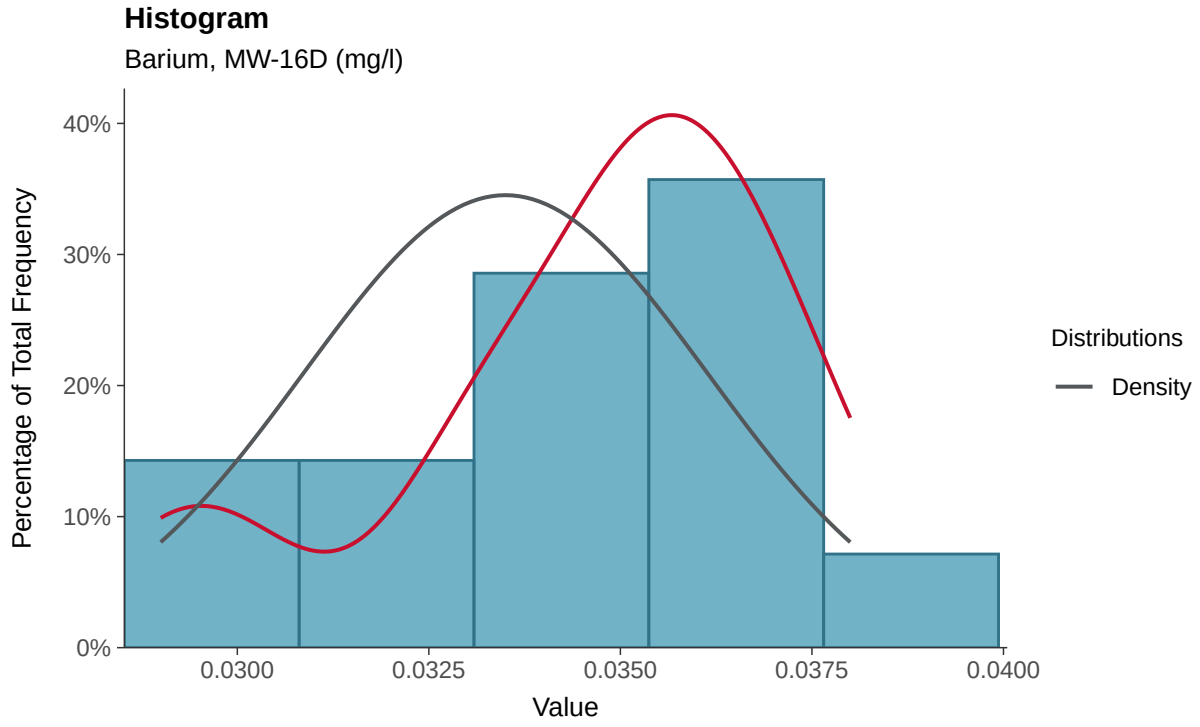



Trend Regression: Piecewise Linear-Linear-Linear
Arsenic, MW-16D (mg/l)
Value
0.0040
0.0035
0.0030
0.0025
0.0020
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Barium, MW-16D

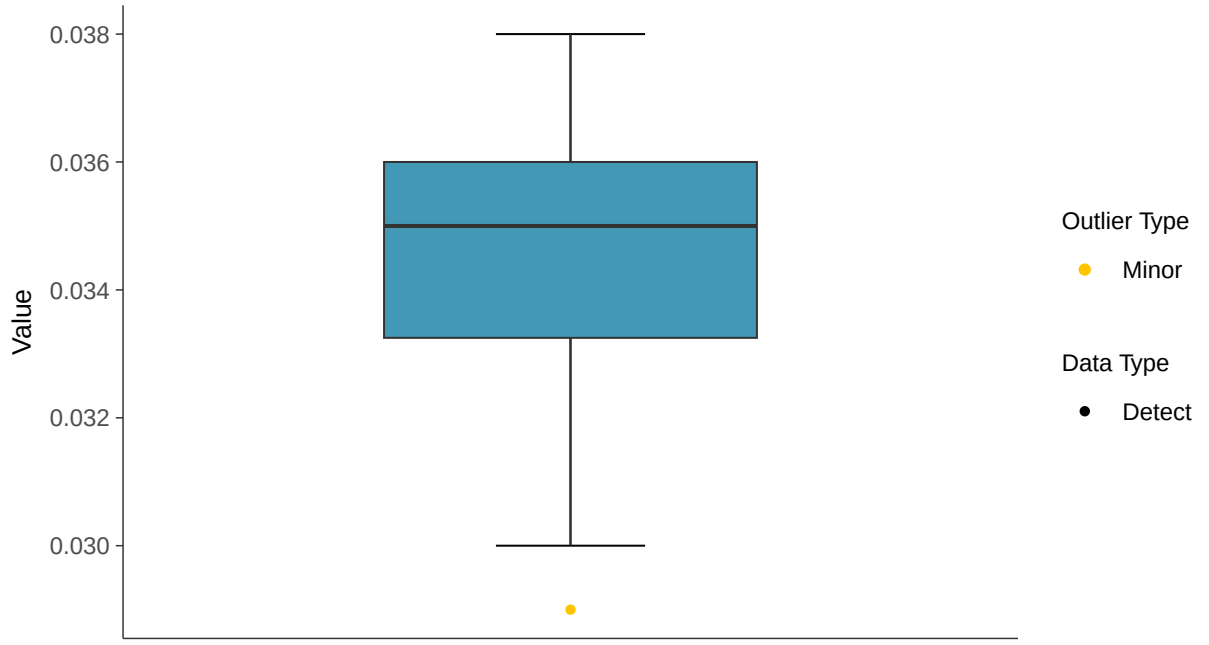
ID: 13_3_103





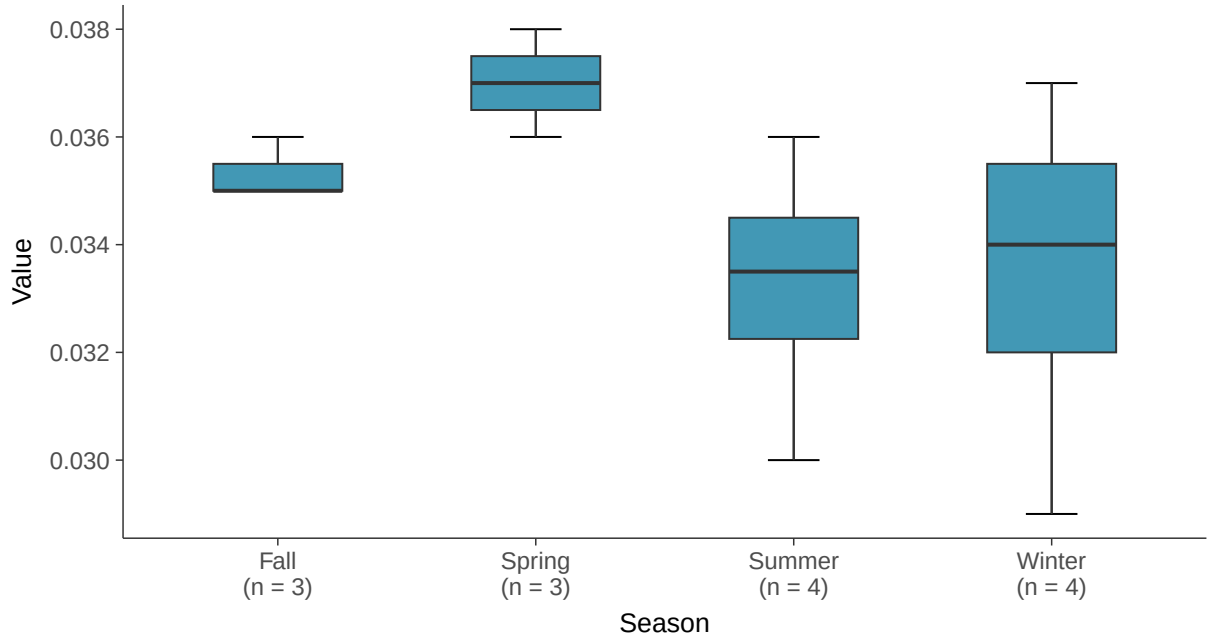
Boxplot

Barium, MW-16D (mg/l)



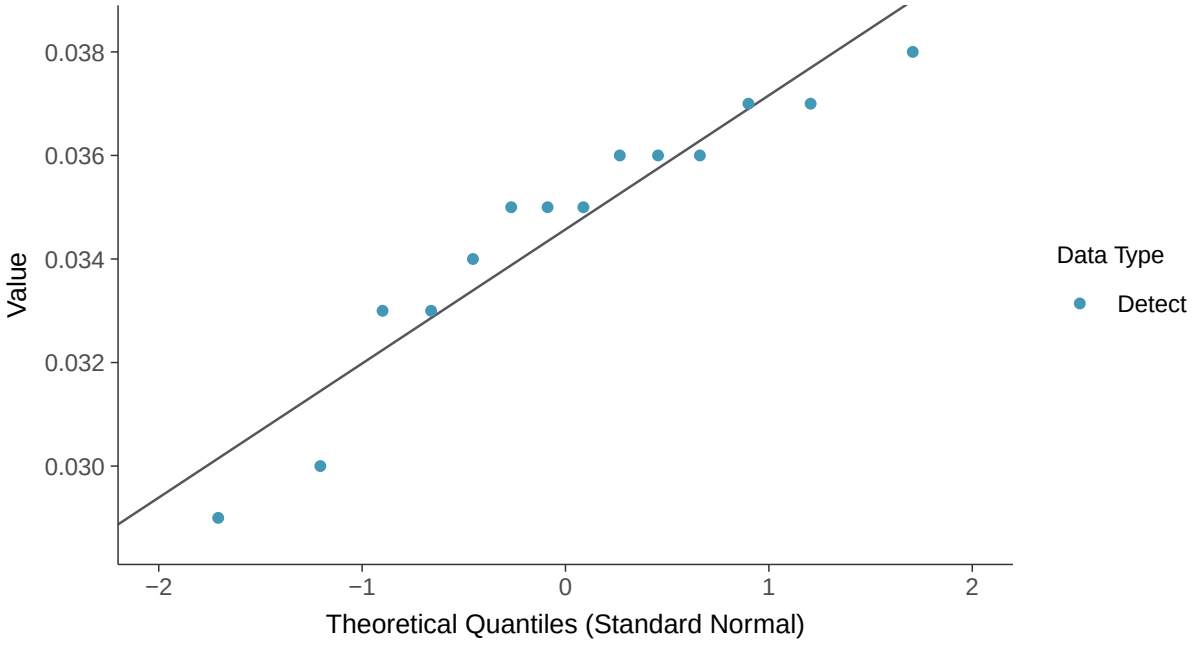
Boxplot by Season

Barium, MW-16D (mg/l)



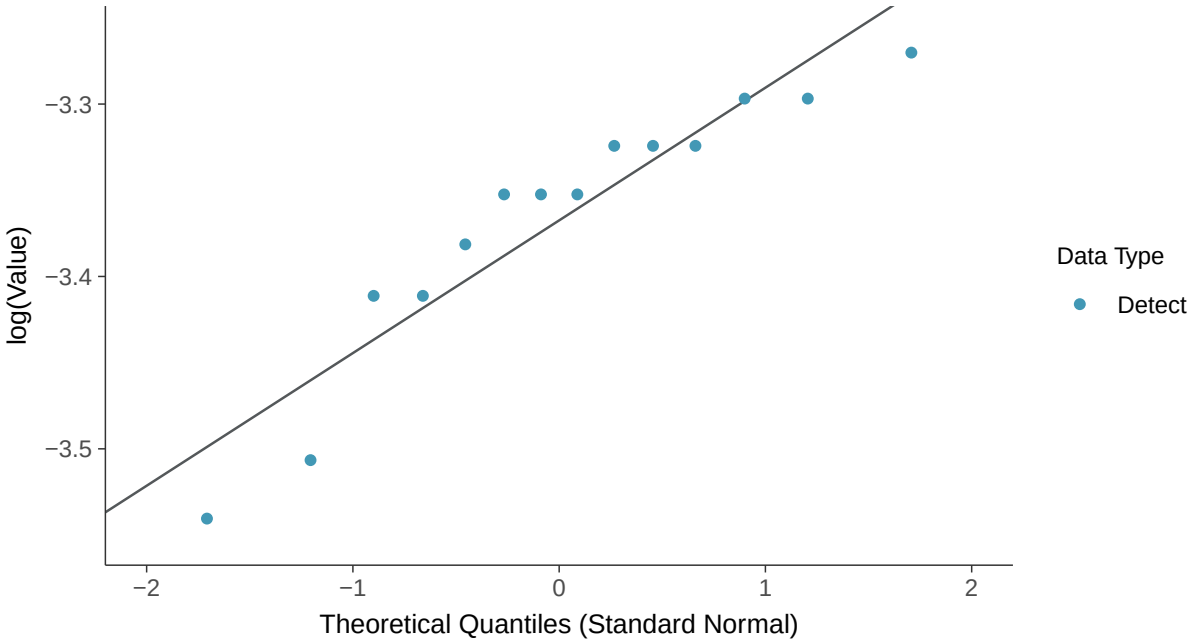
Normal Q-Q plot

Barium, MW-16D (mg/l)



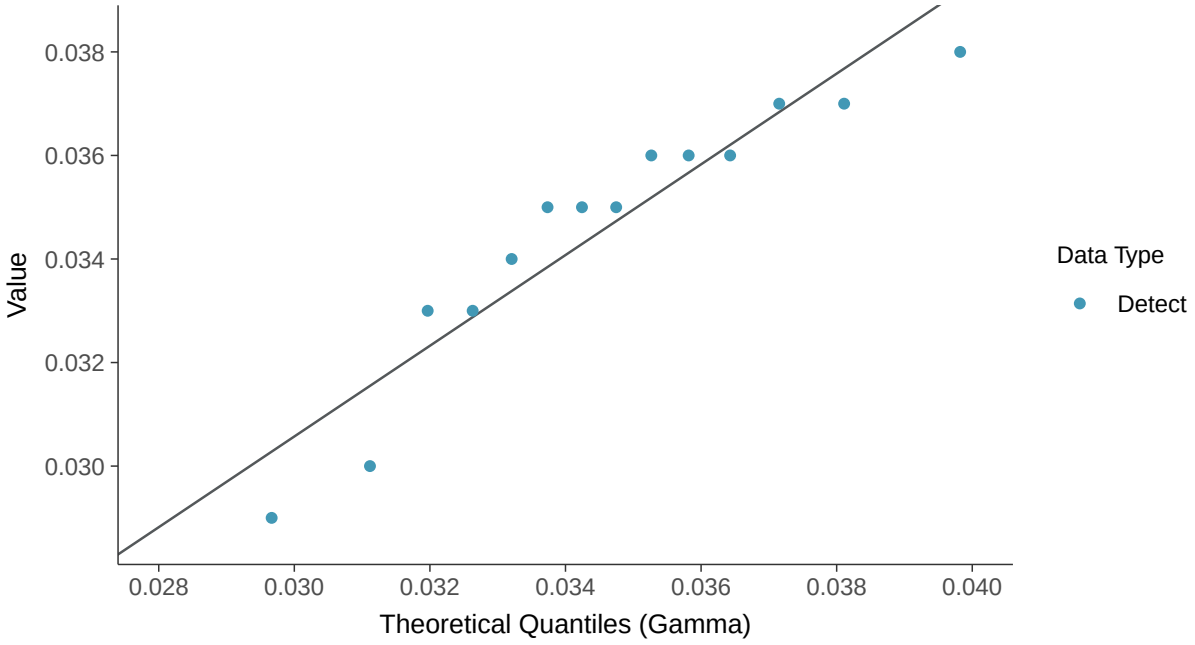
Lognormal Q-Q plot

Barium, MW-16D (mg/l)



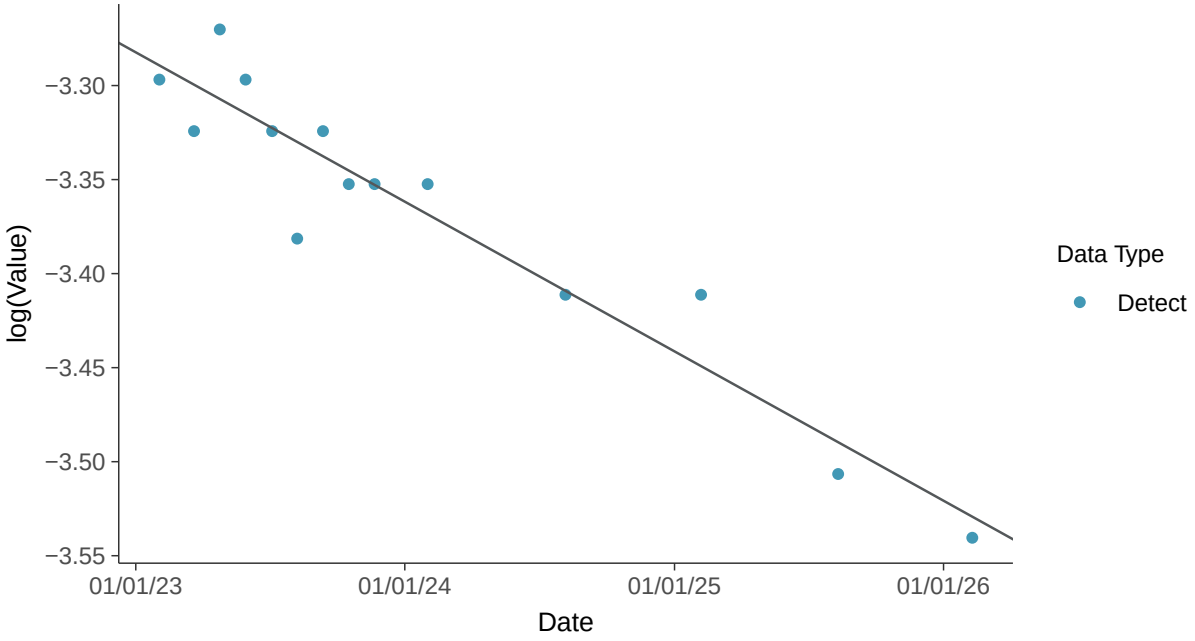
Gamma Q-Q plot

Barium, MW-16D (mg/l)



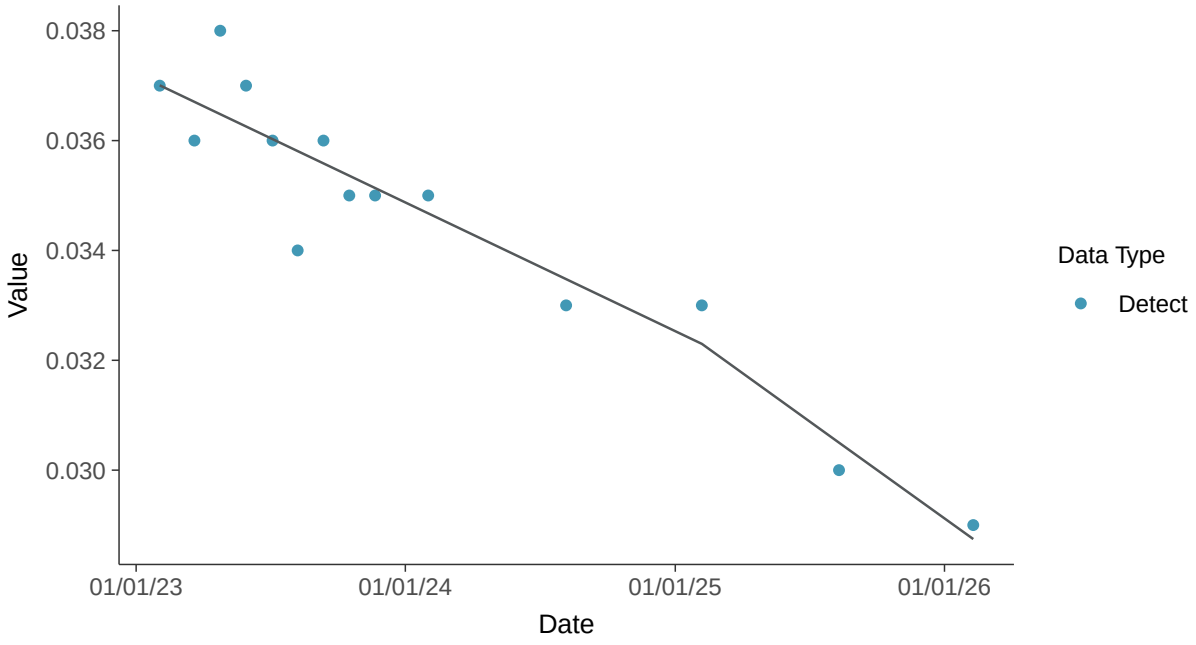
Trend Regression: Lognormal MLE

Barium, MW-16D (mg/l)



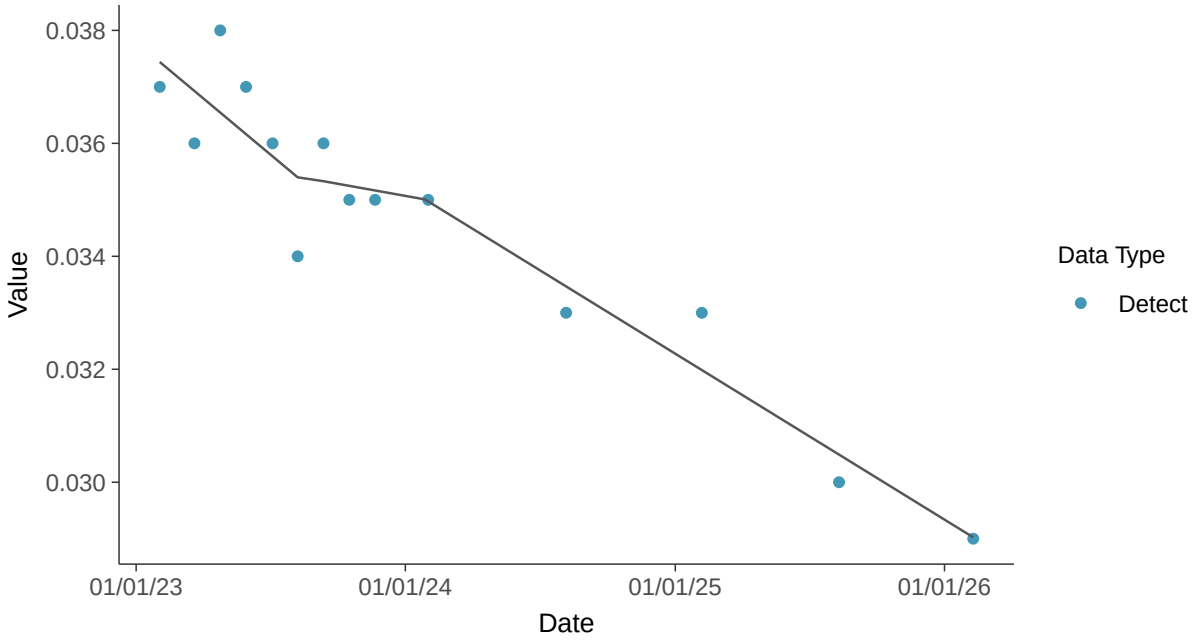
Trend Regression: Piecewise Linear-Linear

Barium, MW-16D (mg/l)



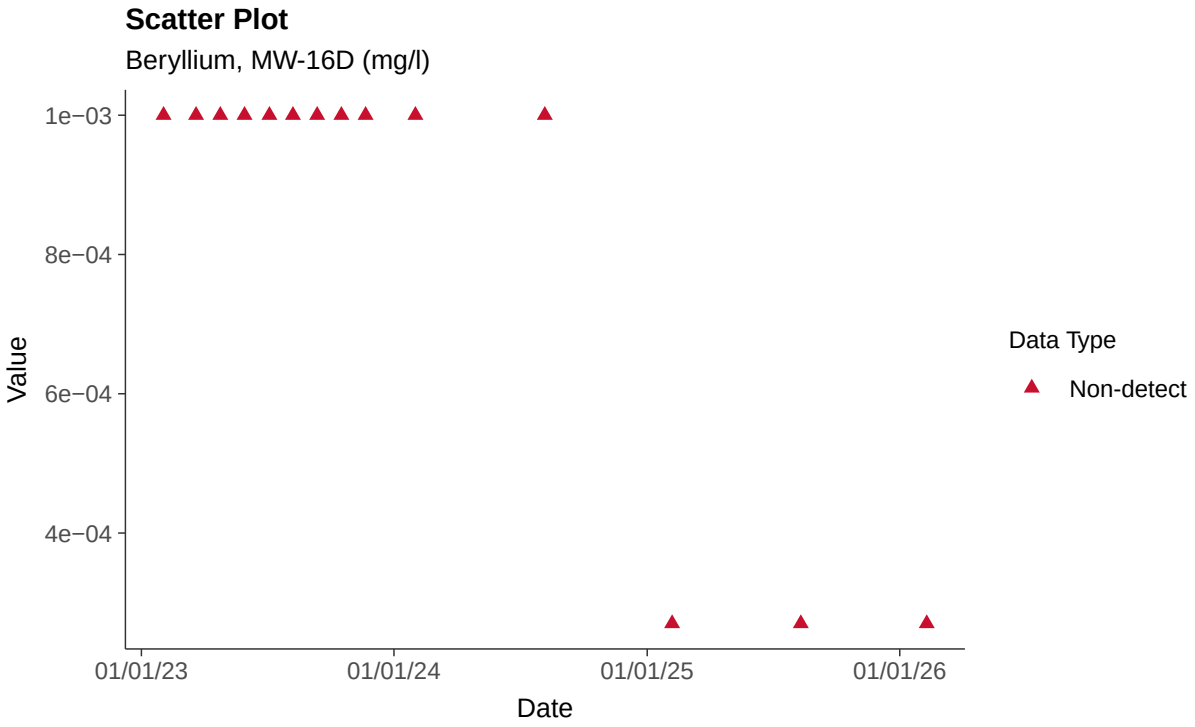
Trend Regression: Piecewise Linear-Linear-Linear

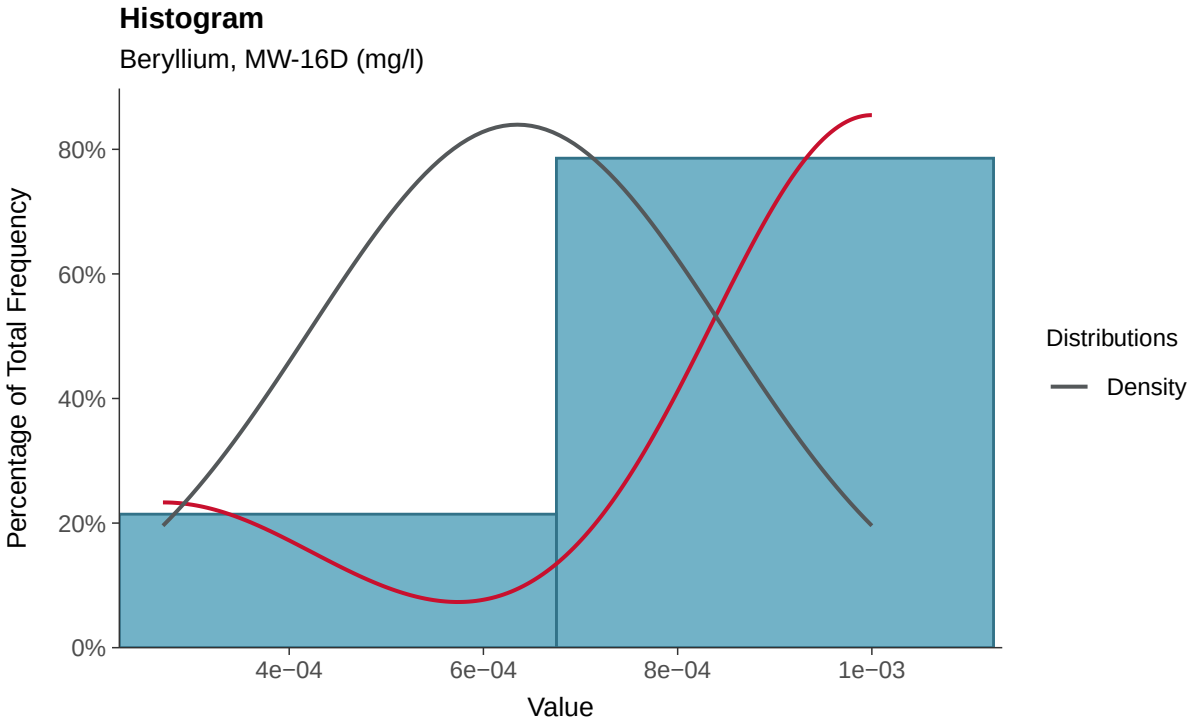
Barium, MW-16D (mg/l)



Appendix IV: Beryllium, MW-16D

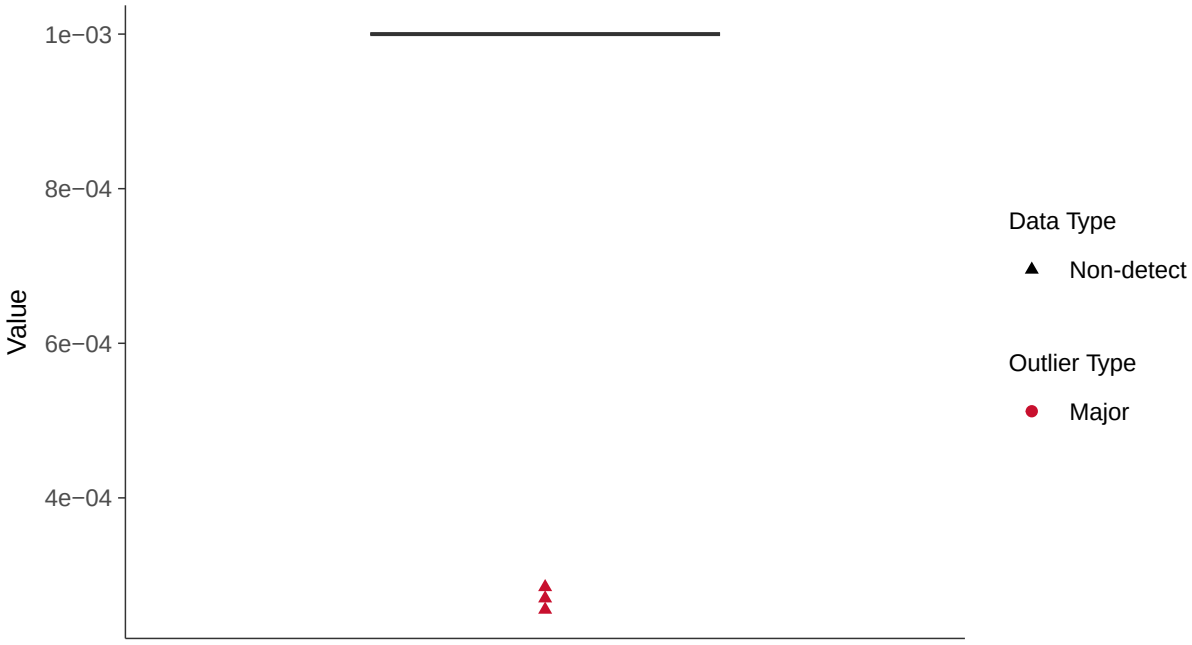
ID: 13_3_104





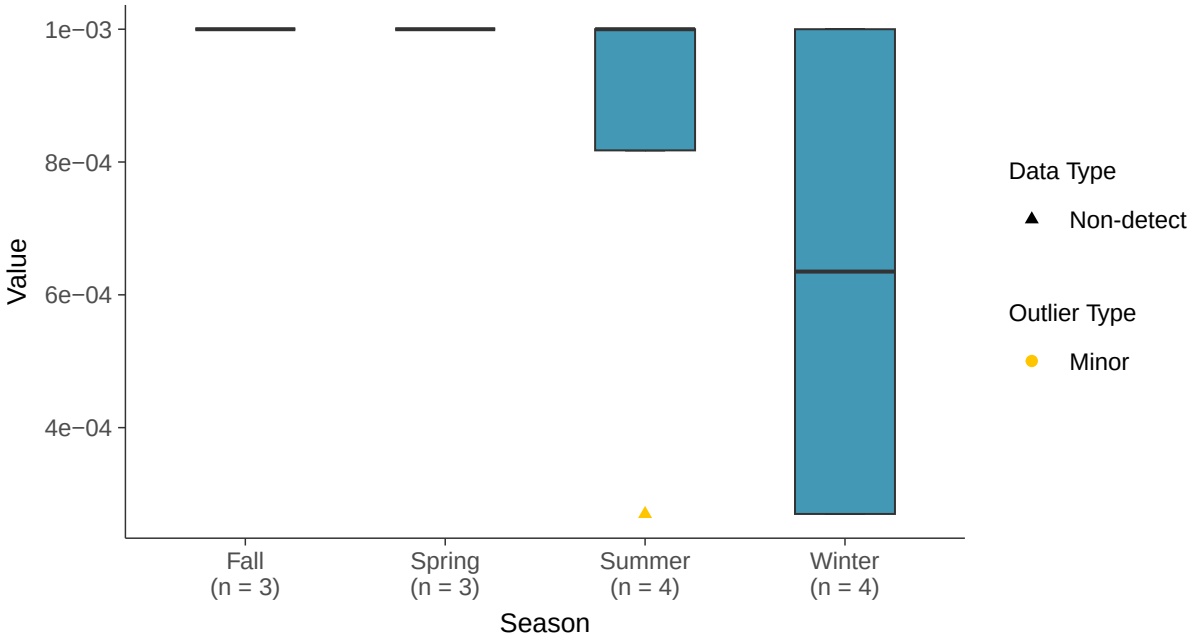
Boxplot

Beryllium, MW-16D (mg/l)



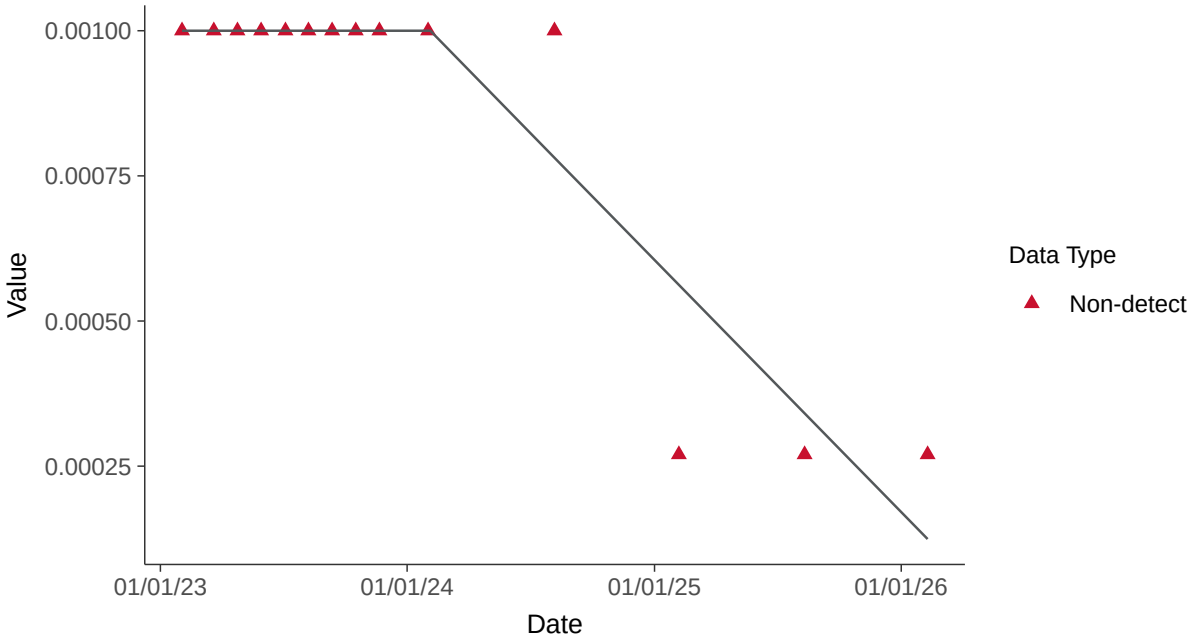
Boxplot by Season

Beryllium, MW-16D (mg/l)



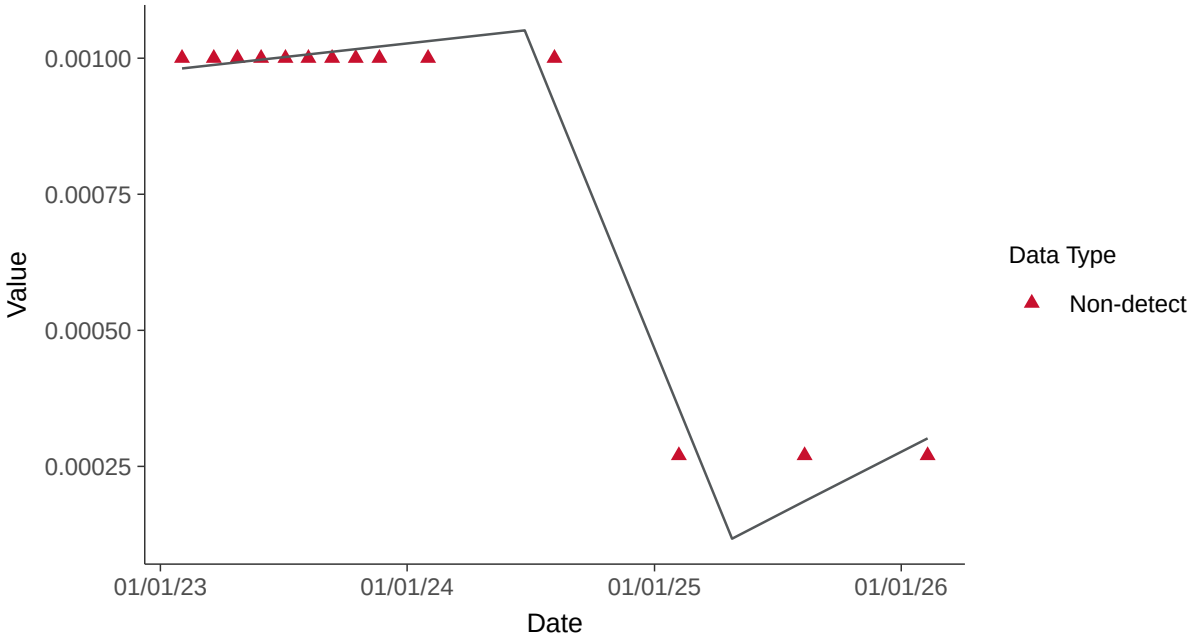
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-16D (mg/l)



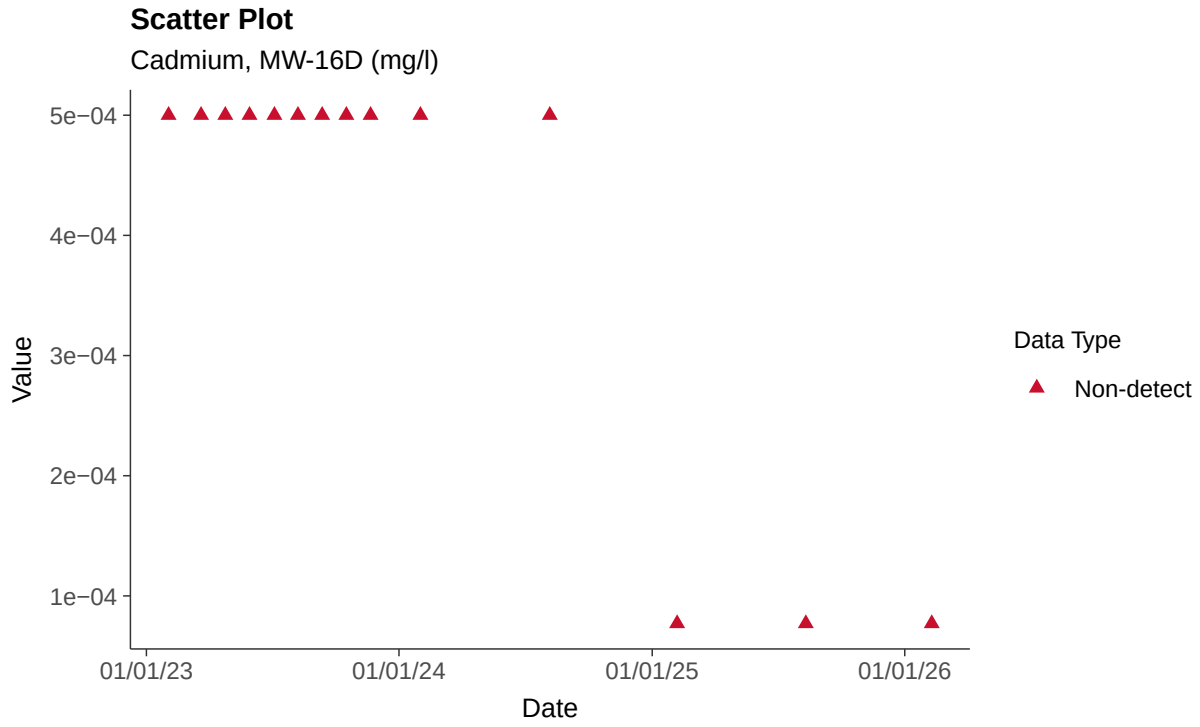
Trend Regression: Piecewise Linear-Linear-Linear

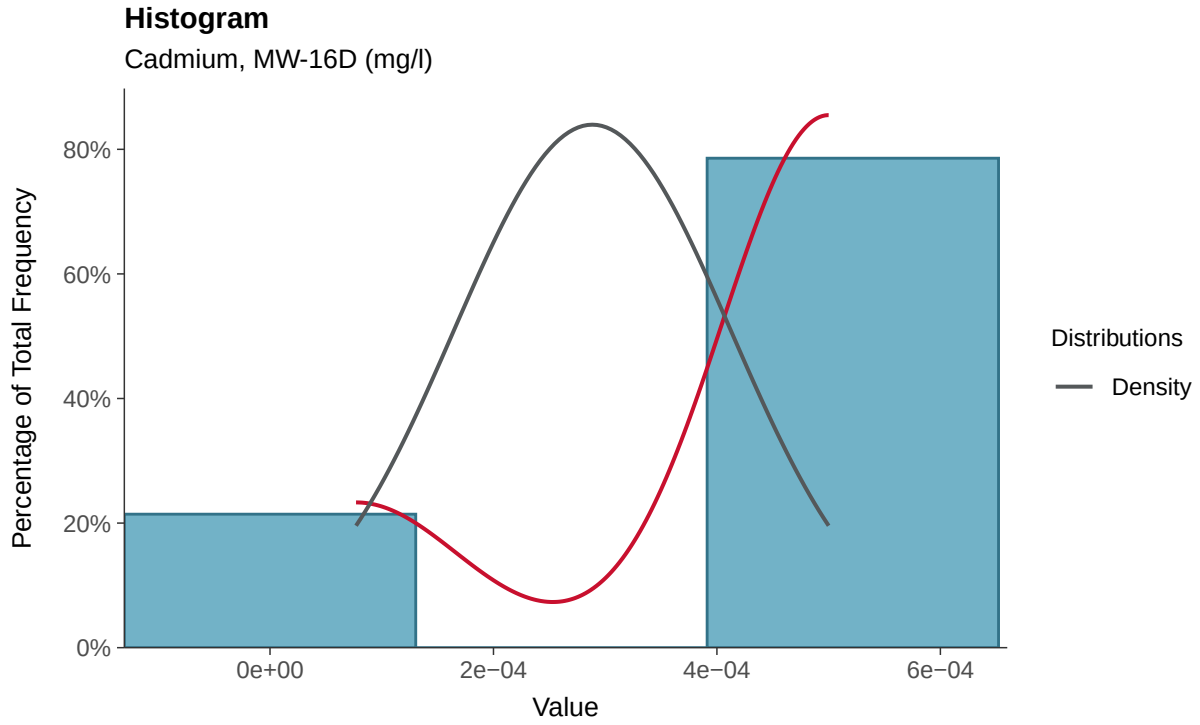
Beryllium, MW-16D (mg/l)



Appendix IV: Cadmium, MW-16D

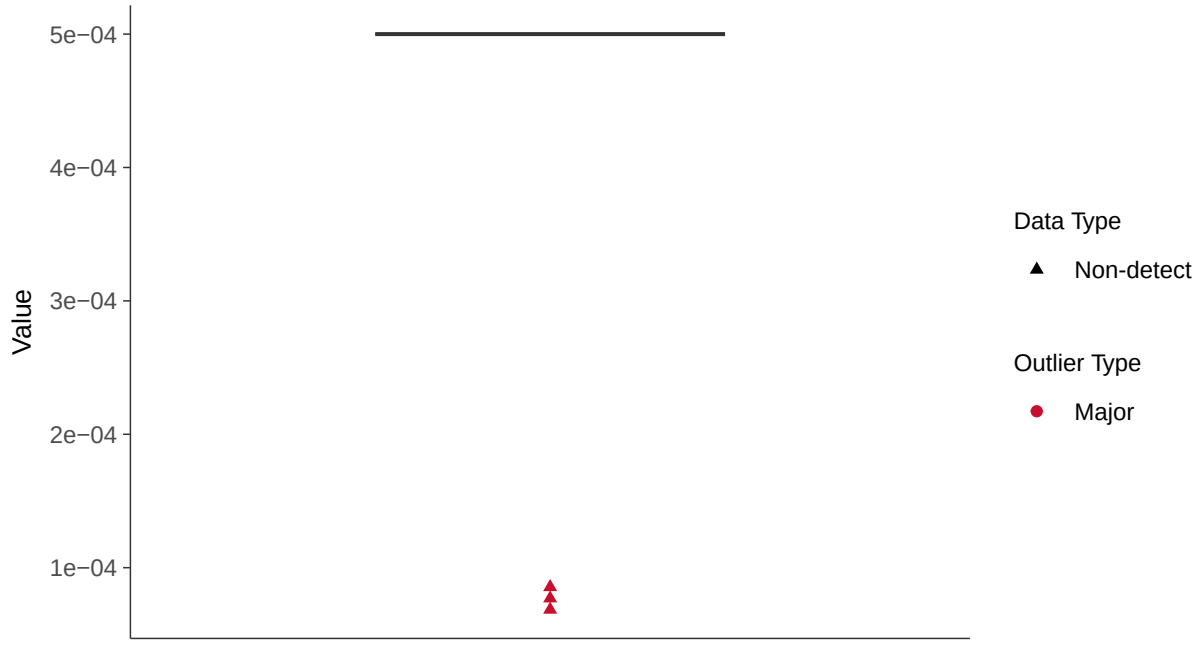
ID: 13_3_106





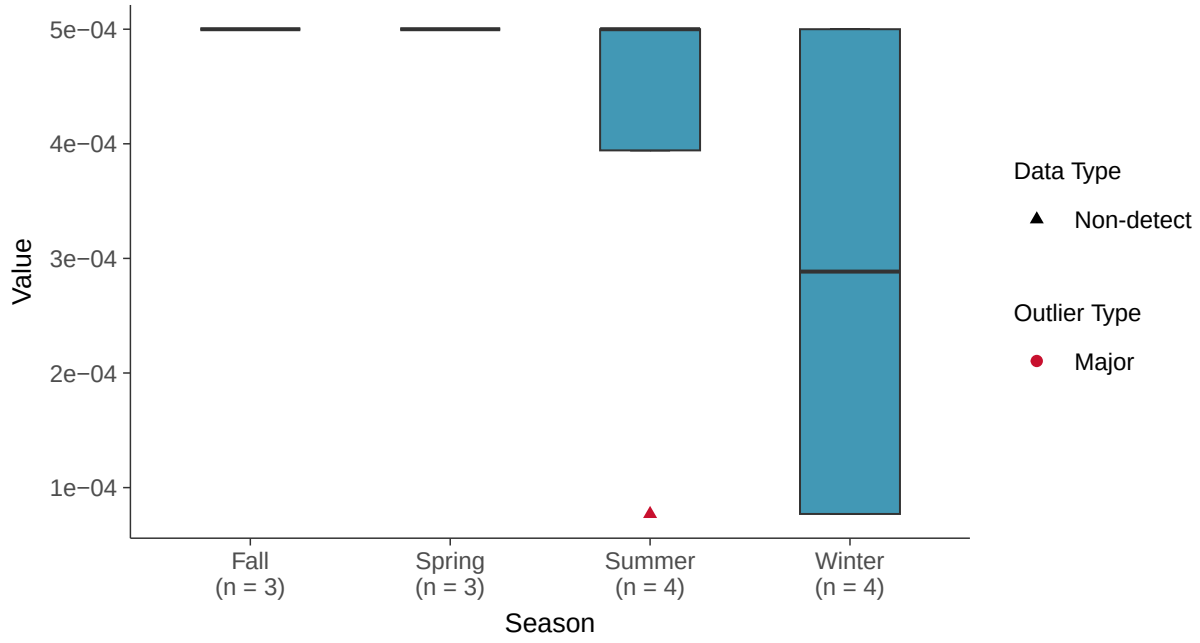
Boxplot

Cadmium, MW-16D (mg/l)



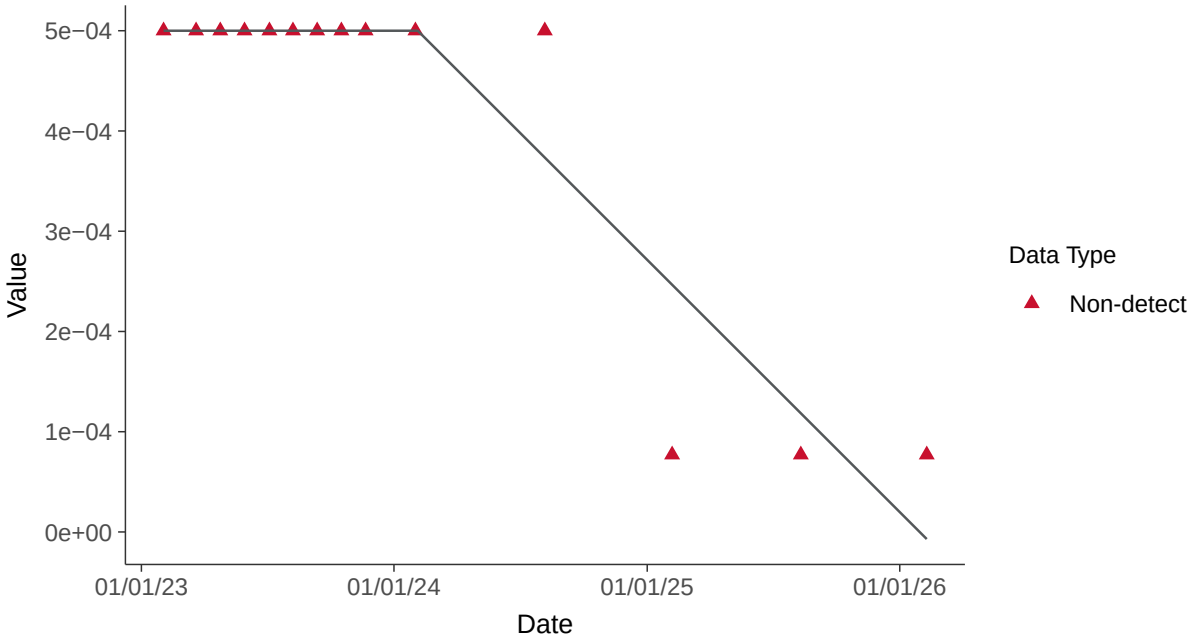
Boxplot by Season

Cadmium, MW-16D (mg/l)



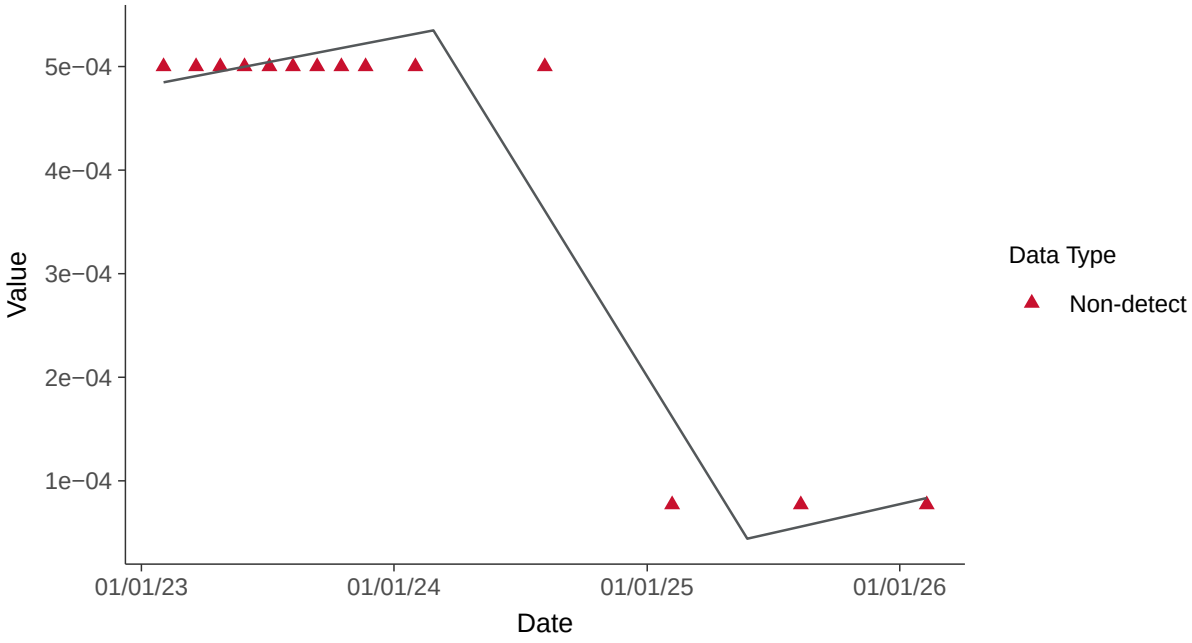
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-16D (mg/l)



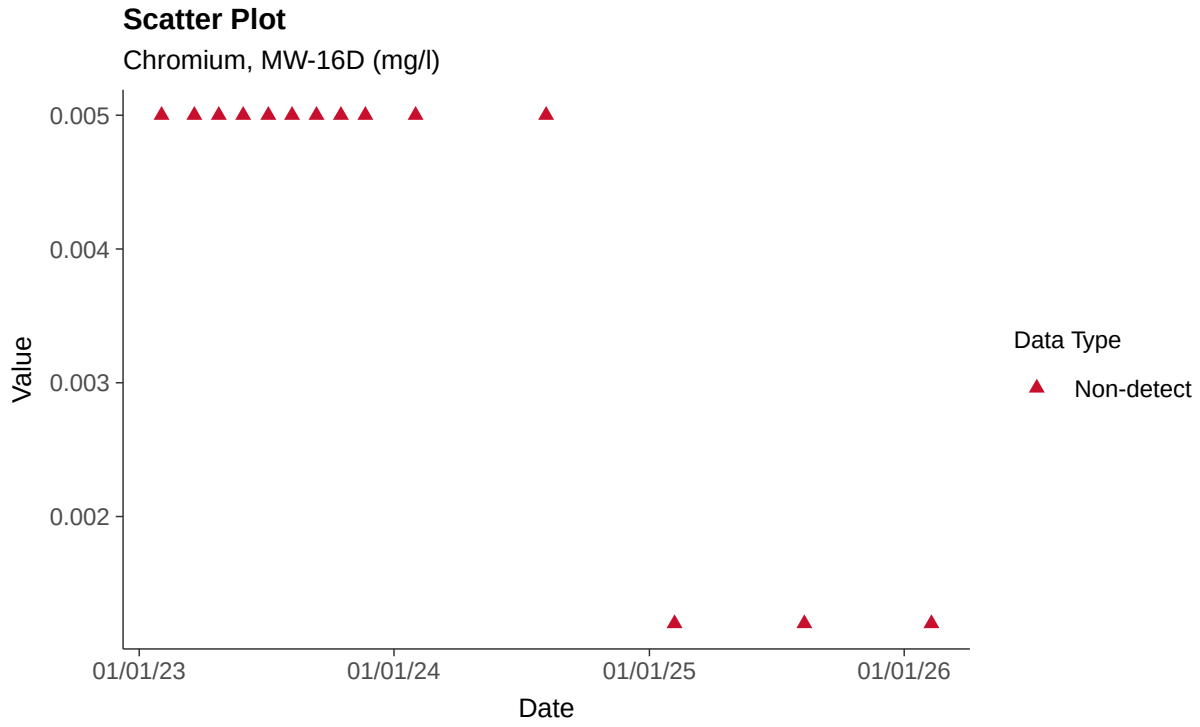
Trend Regression: Piecewise Linear-Linear-Linear

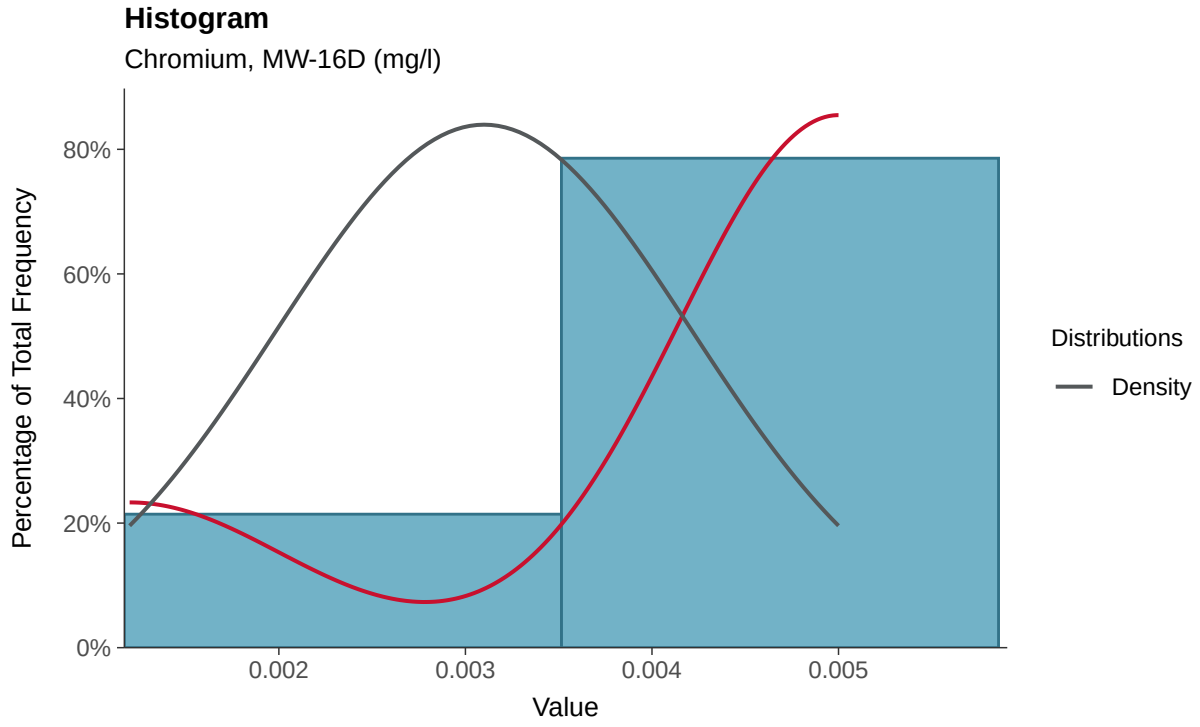
Cadmium, MW-16D (mg/l)



Appendix IV: Chromium, MW-16D

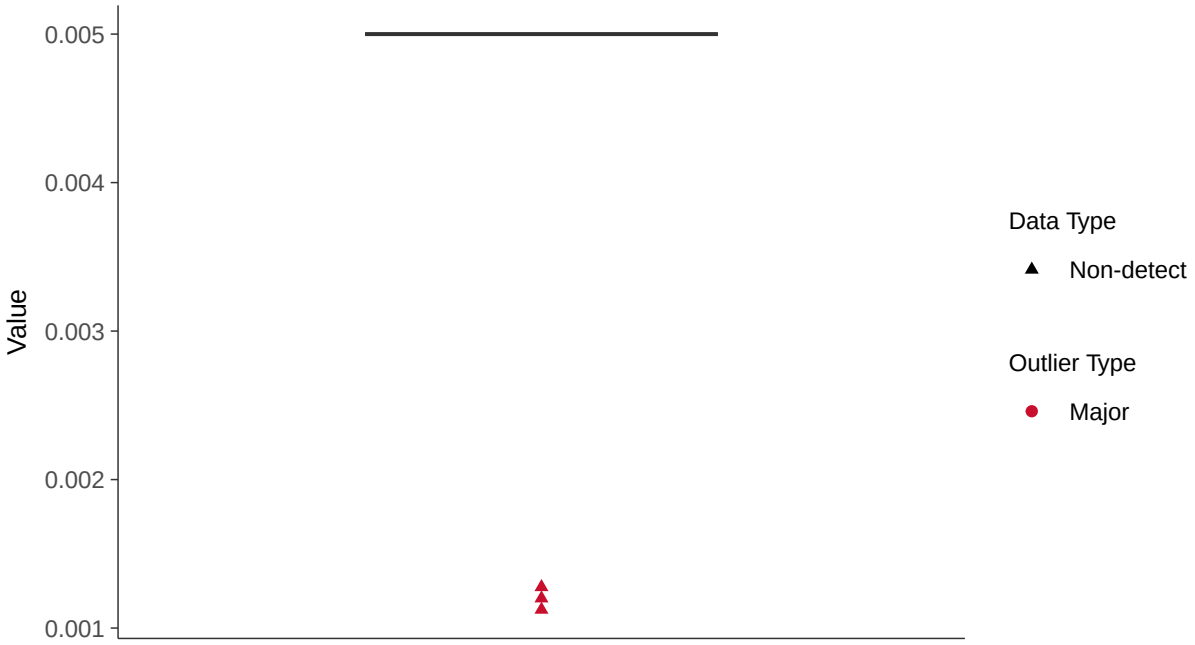
ID: 13_3_109





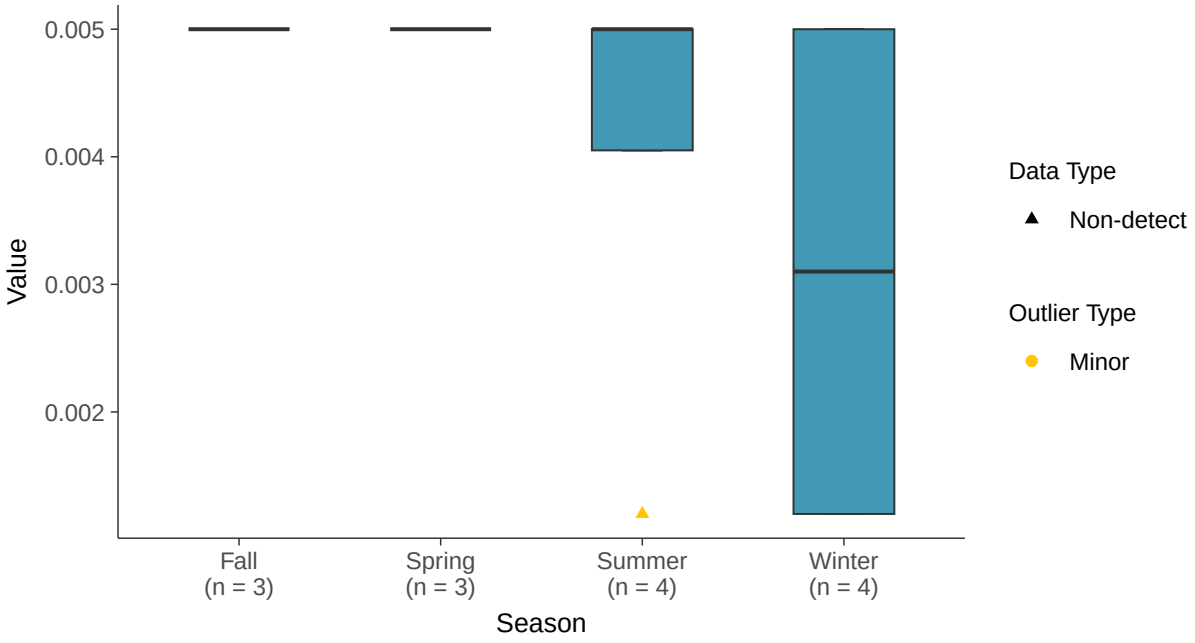
Boxplot

Chromium, MW-16D (mg/l)



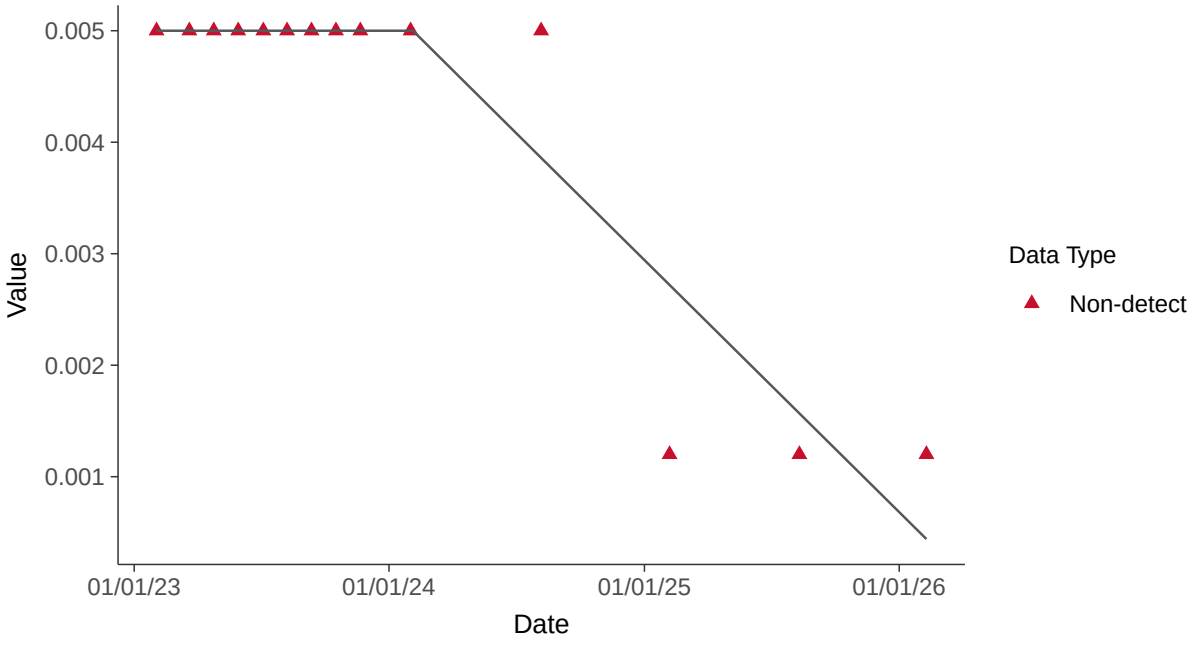
Boxplot by Season

Chromium, MW-16D (mg/l)



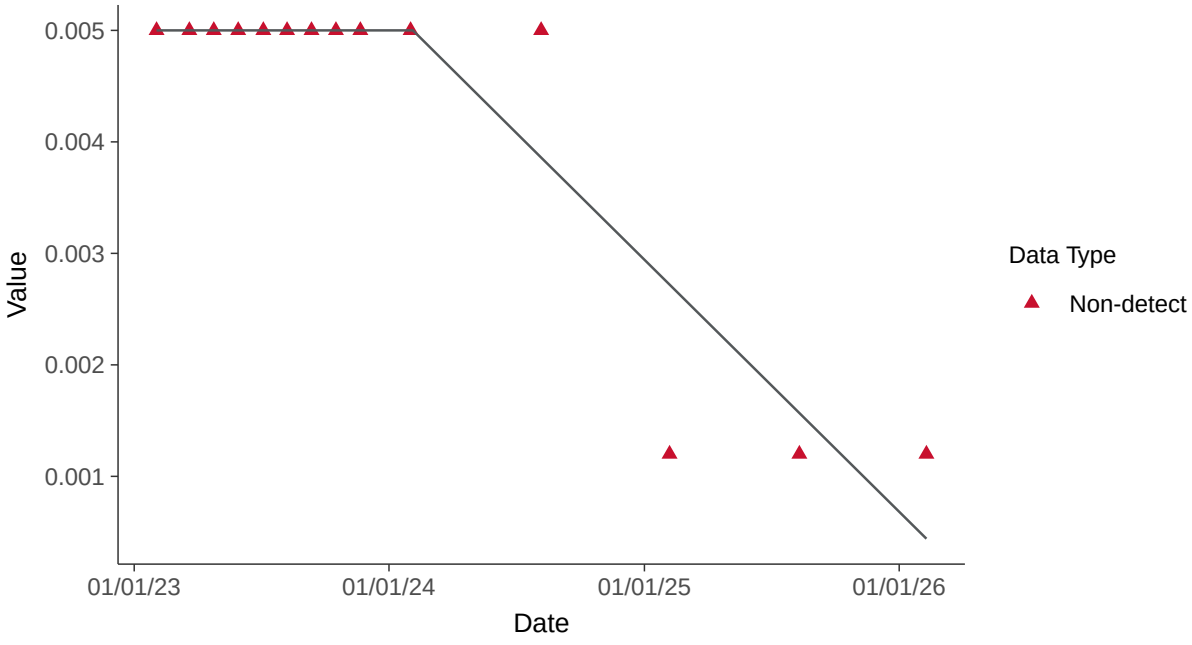
Trend Regression: Piecewise Linear-Linear

Chromium, MW-16D (mg/l)



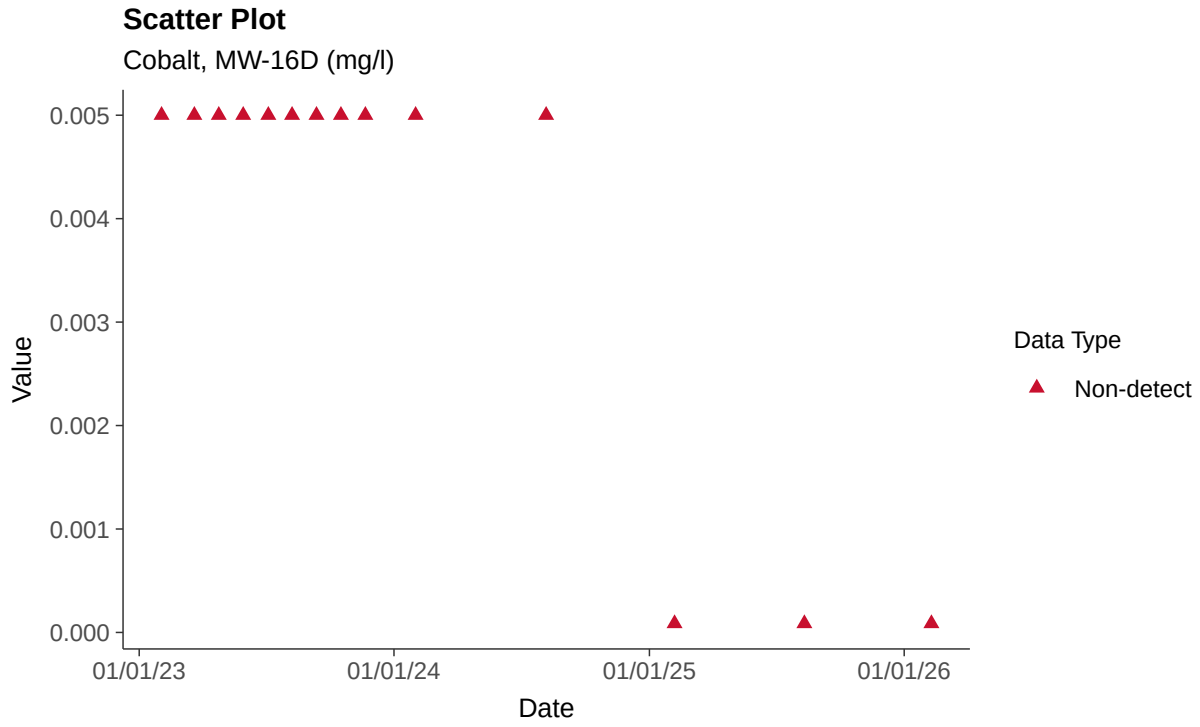
Trend Regression: Piecewise Linear-Linear-Linear

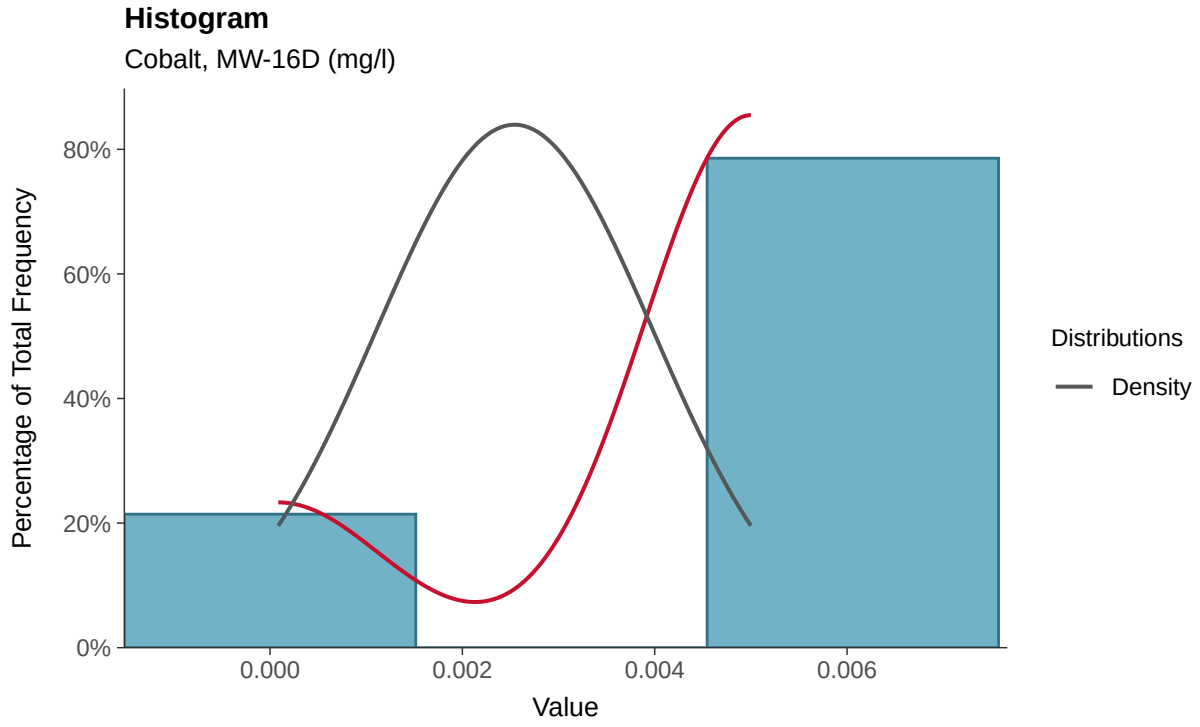
Chromium, MW-16D (mg/l)



Appendix IV: Cobalt, MW-16D

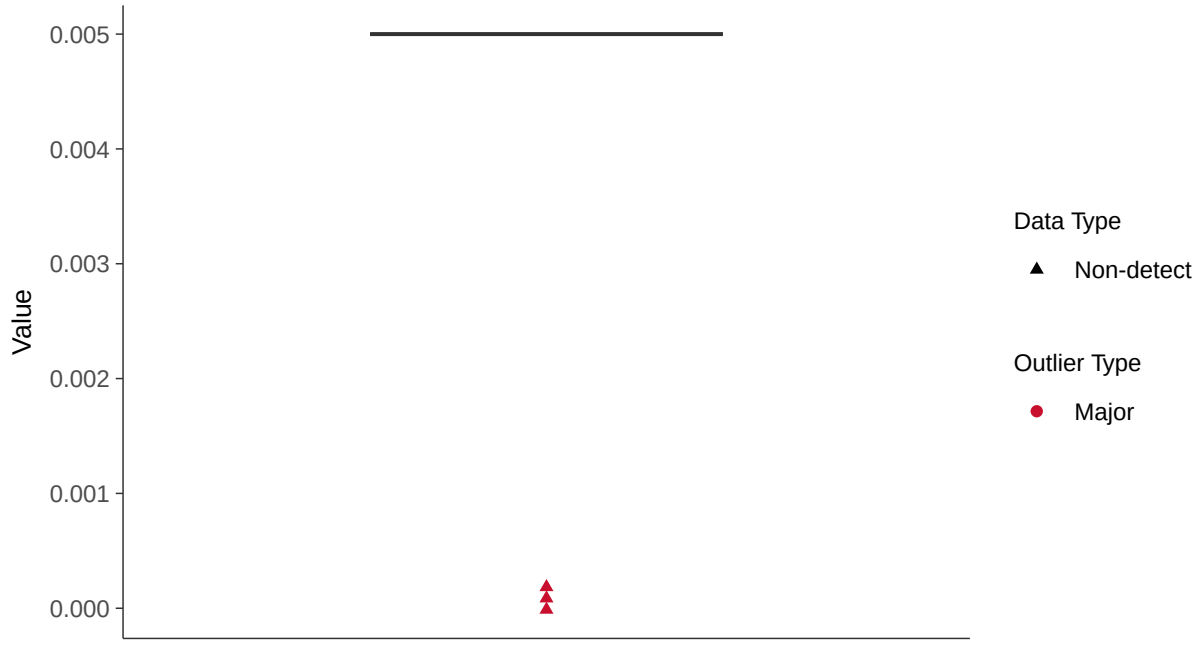
ID: 13_3_110





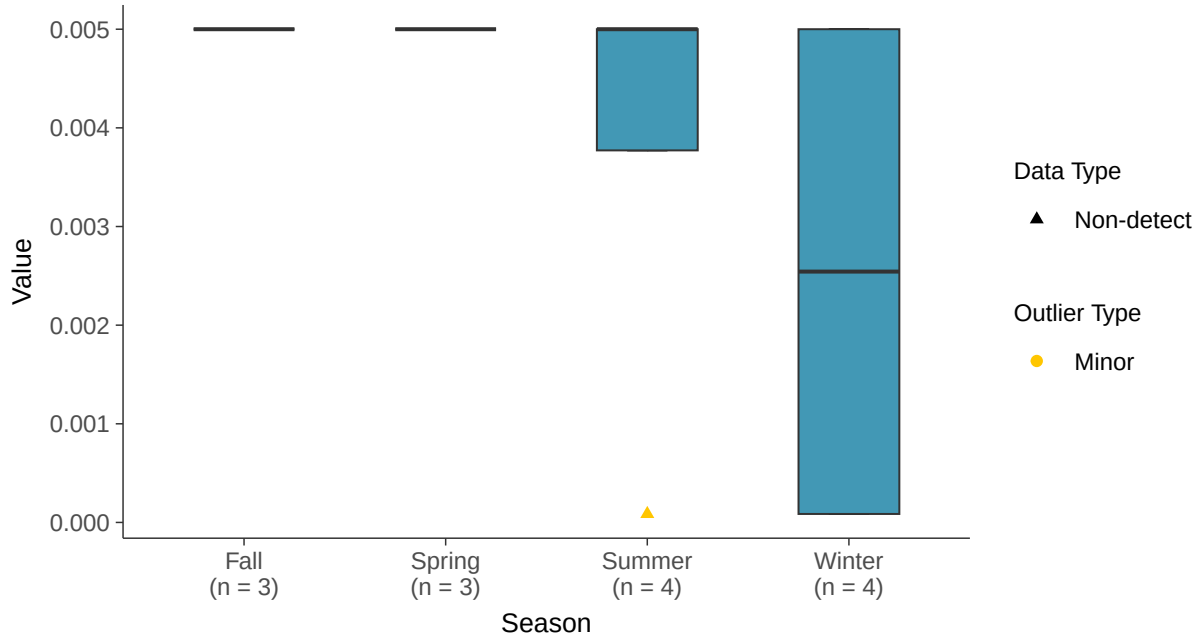
Boxplot

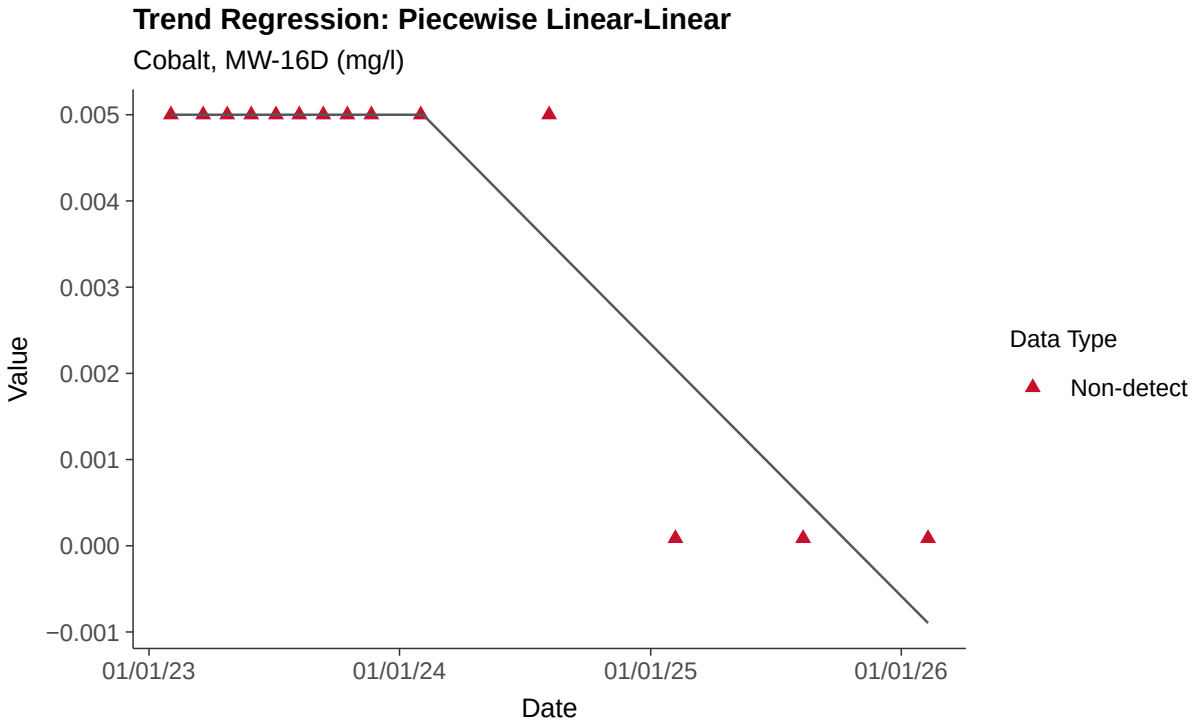
Cobalt, MW-16D (mg/l)



Boxplot by Season

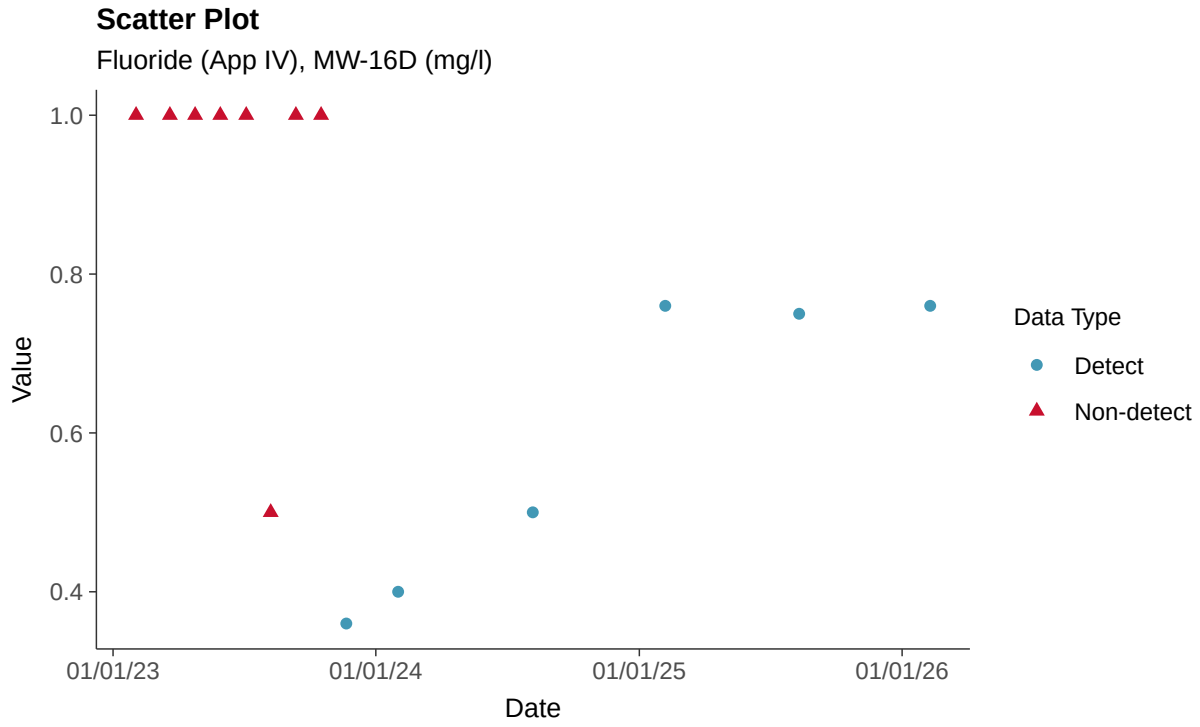
Cobalt, MW-16D (mg/l)

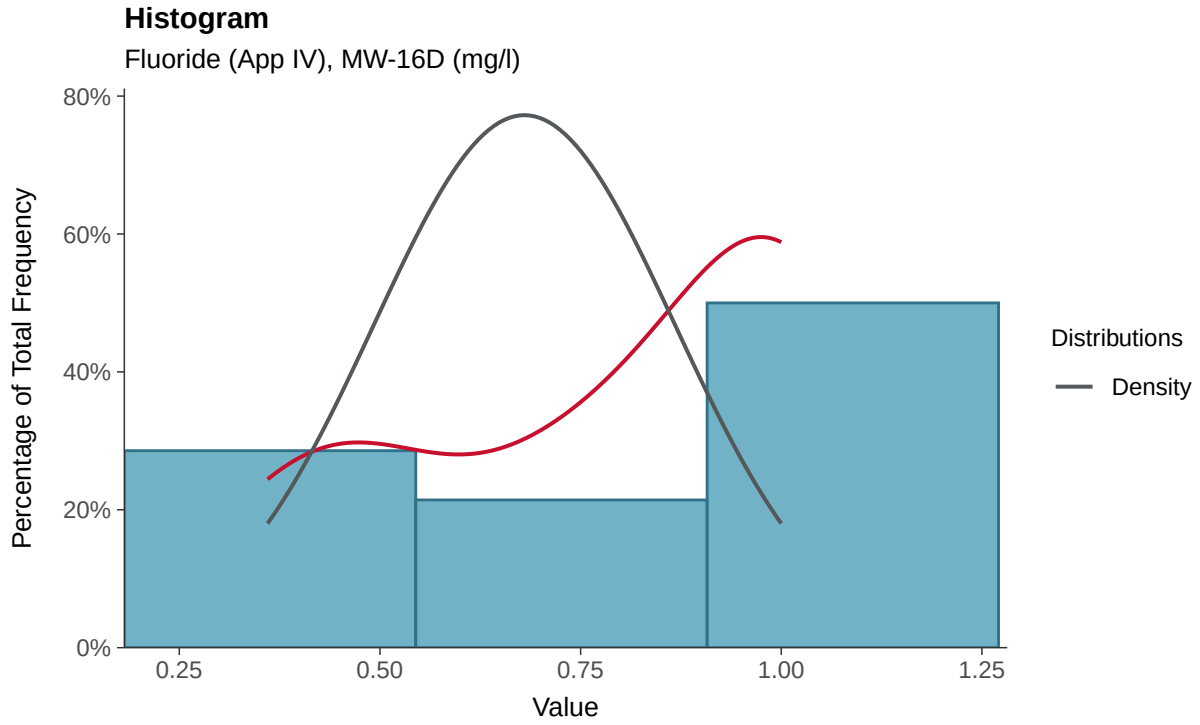



Trend Regression: Piecewise Linear-Linear
Cobalt, MW-16D (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
−0.001
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Fluoride (App IV), MW-16D

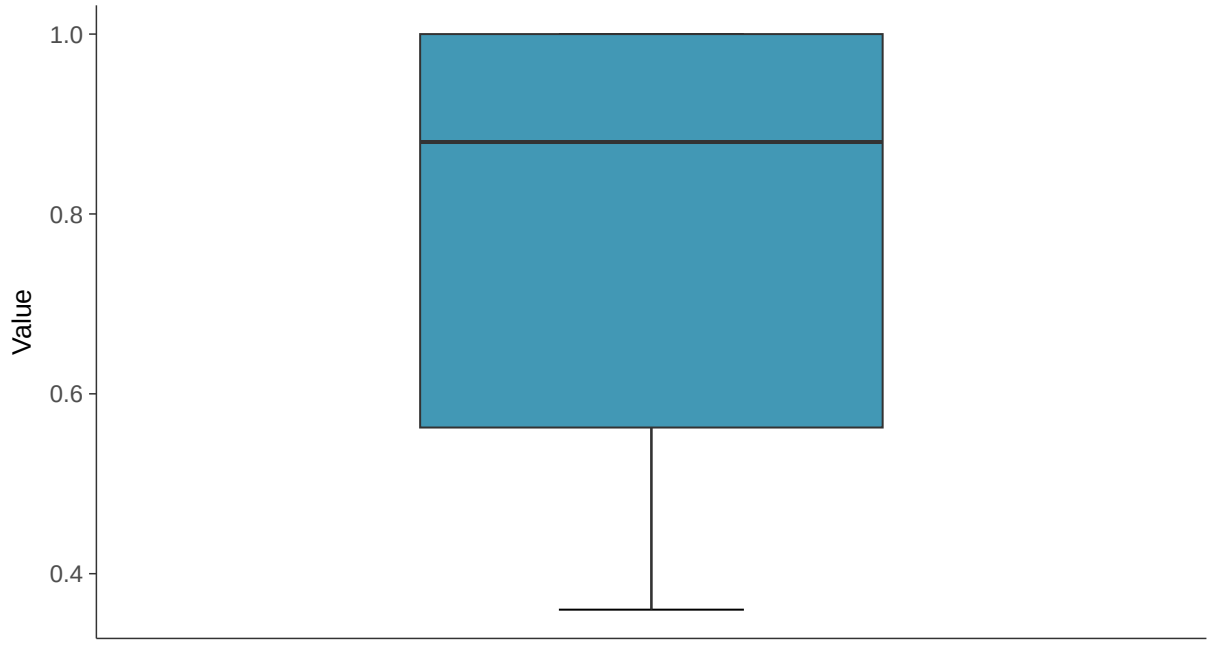
ID: 13_3_113





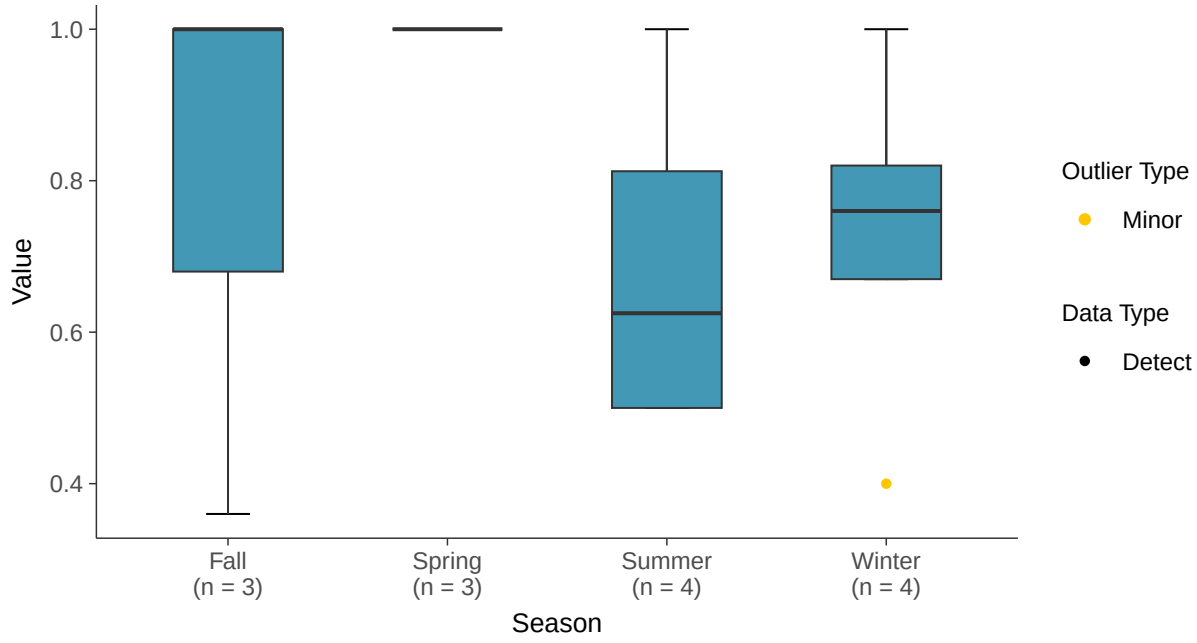
Boxplot

Fluoride (App IV), MW-16D (mg/l)



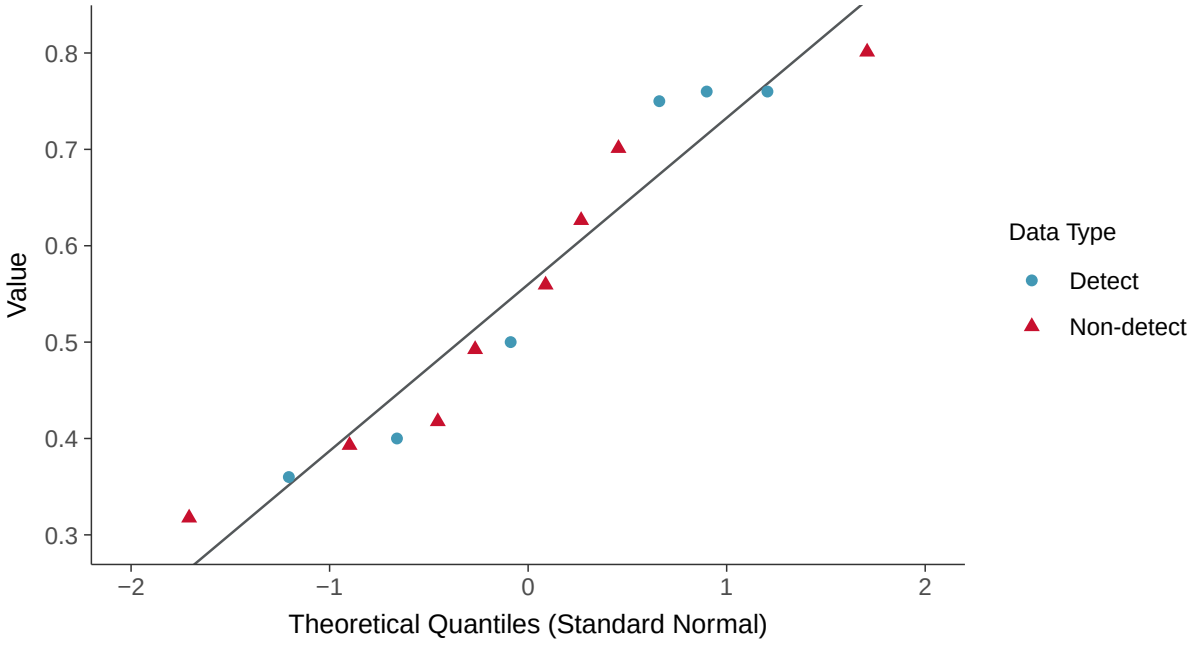
Boxplot by Season

Fluoride (App IV), MW-16D (mg/l)



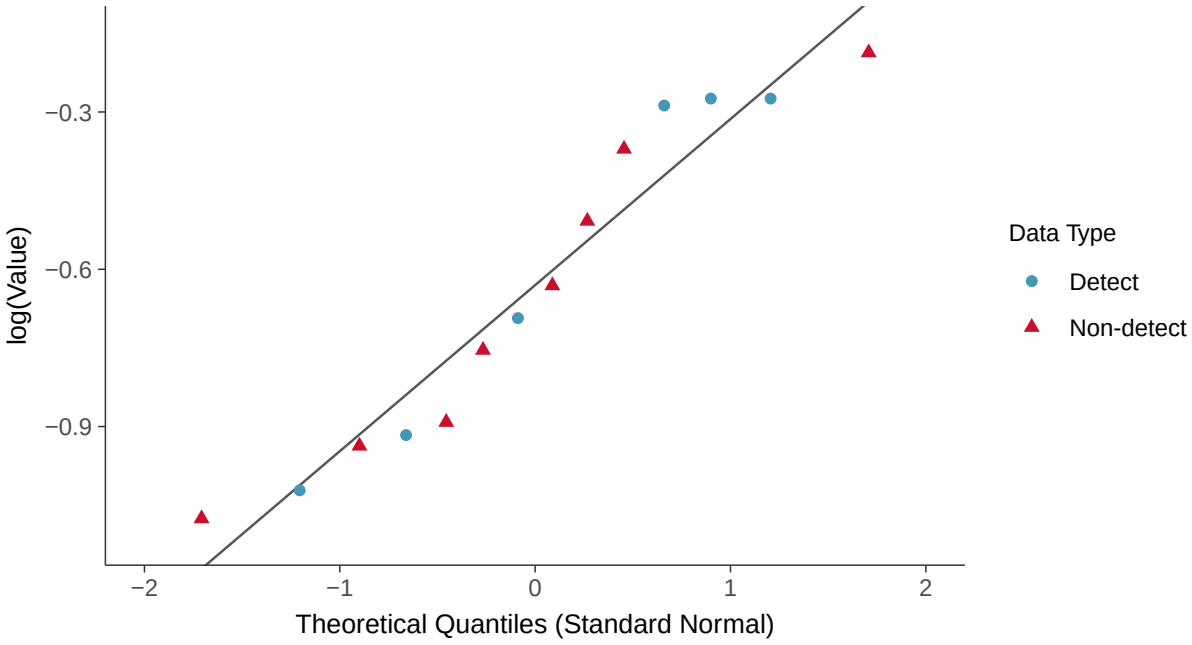
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-16D (mg/l)



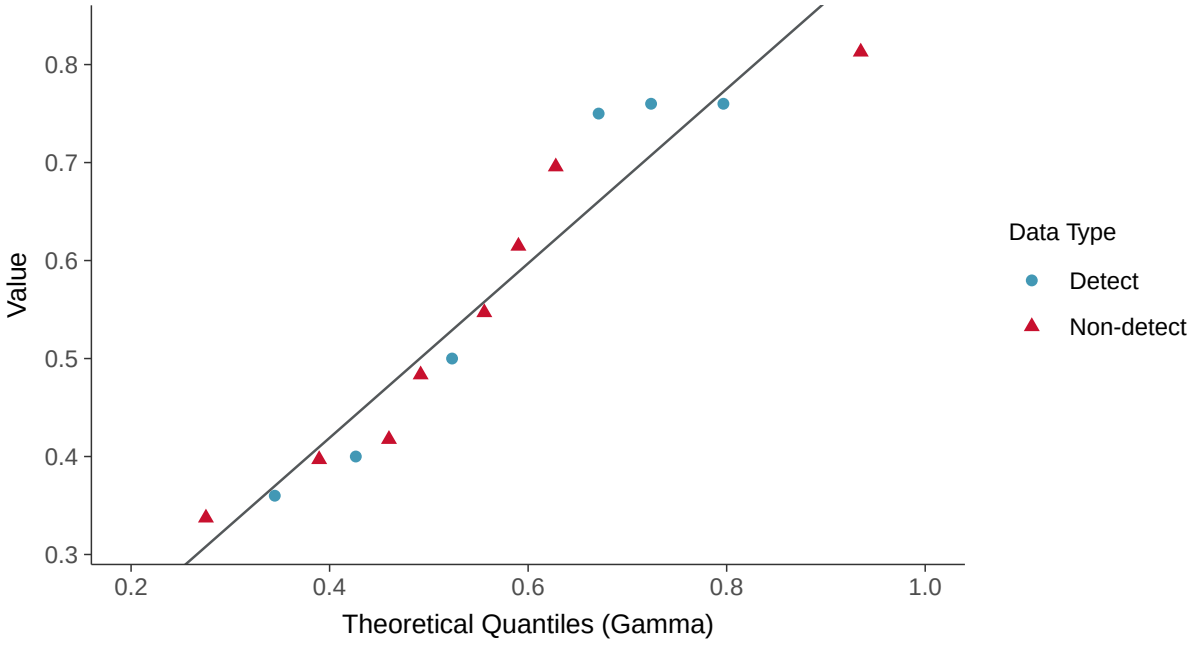
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-16D (mg/l)



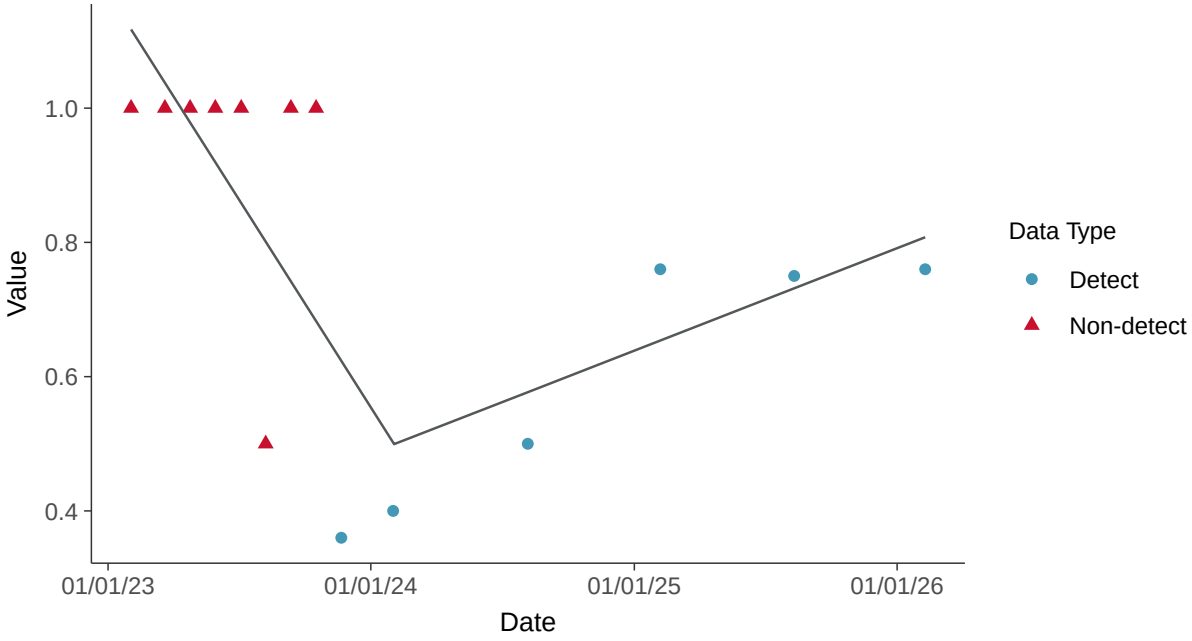
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-16D (mg/l)



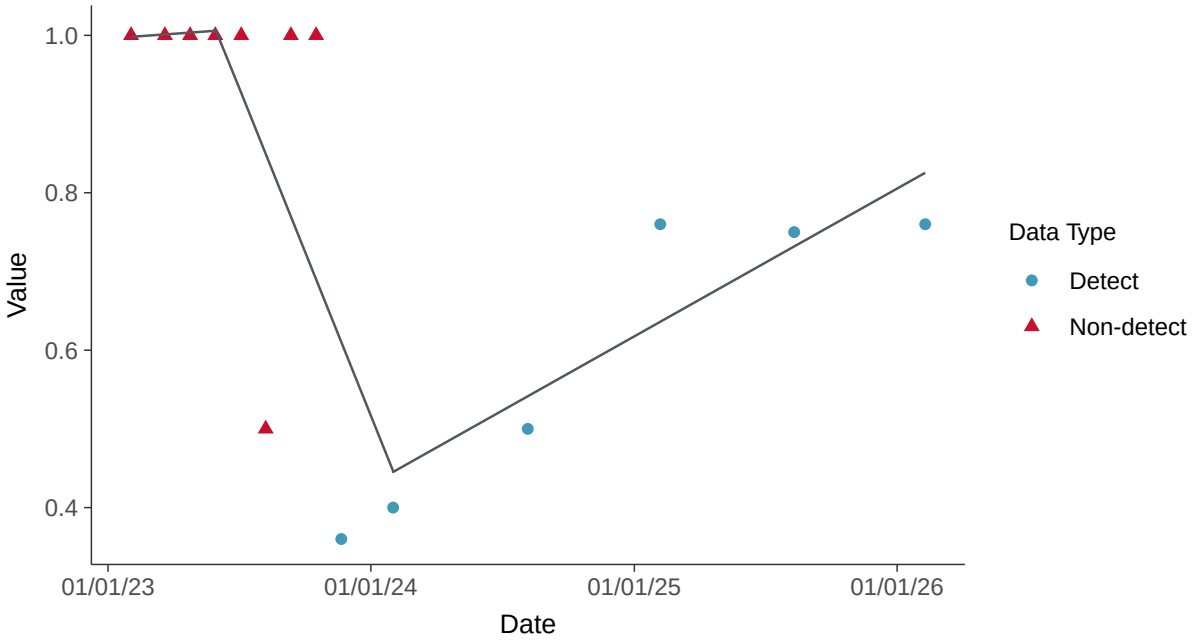
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-16D (mg/l)



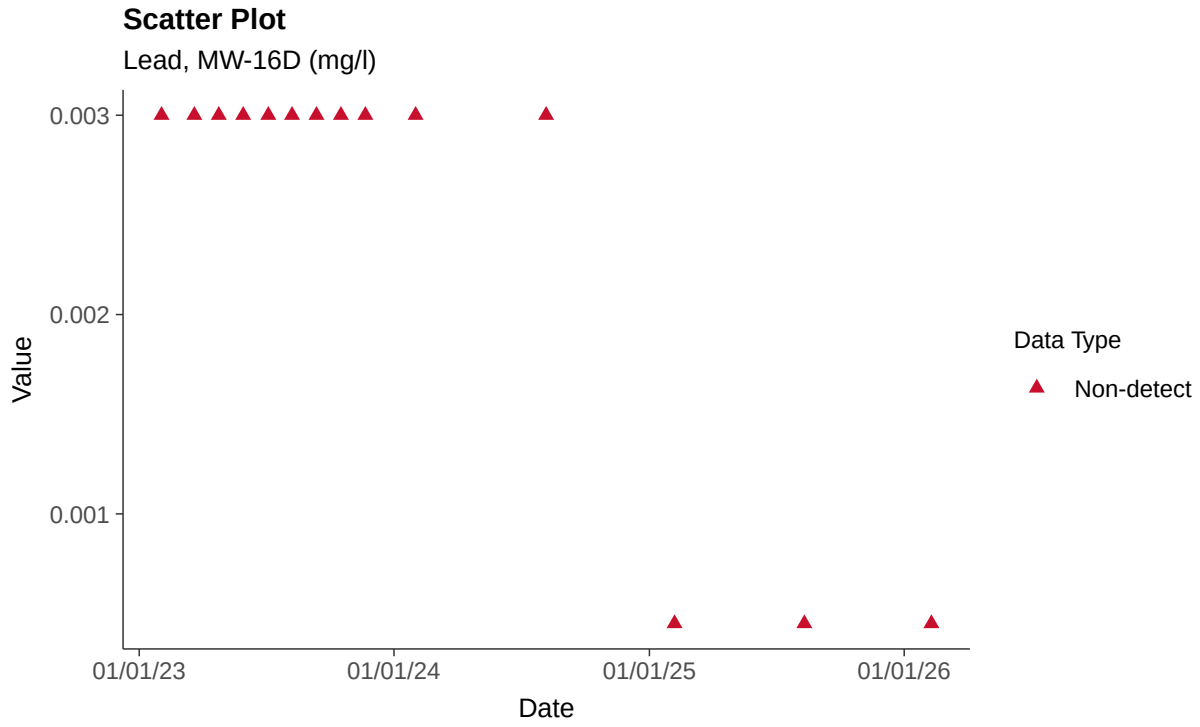
Trend Regression: Piecewise Linear-Linear-Linear

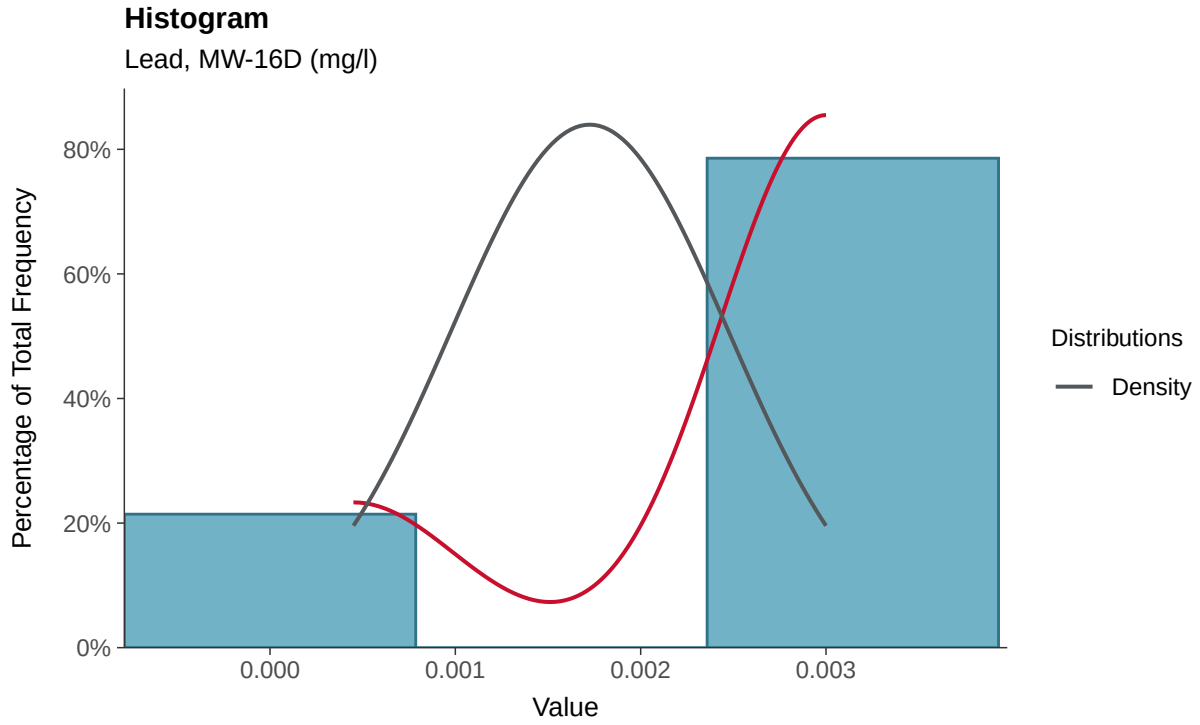
Fluoride (App IV), MW-16D (mg/l)



Appendix IV: Lead, MW-16D

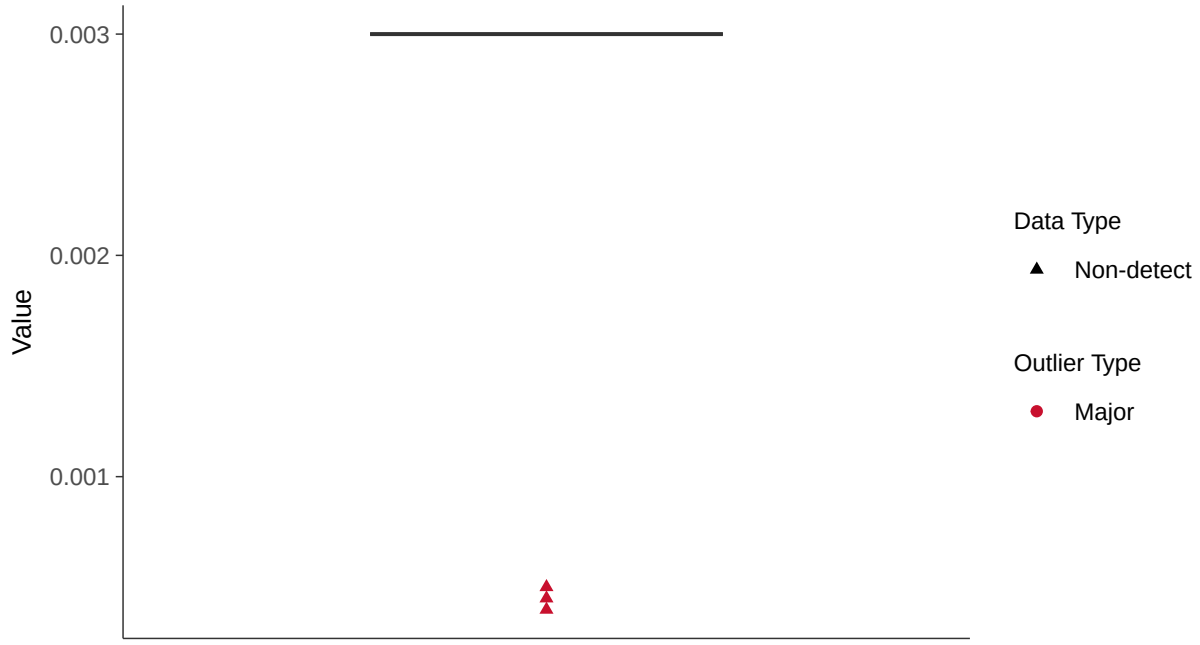
ID: 13_3_115





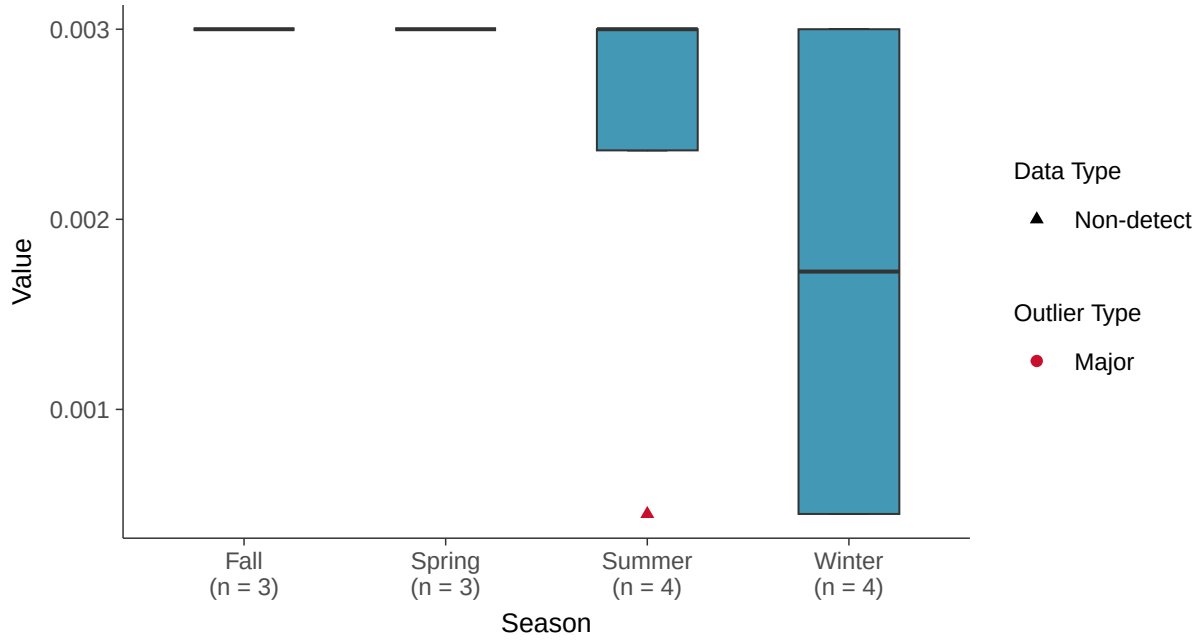
Boxplot

Lead, MW-16D (mg/l)



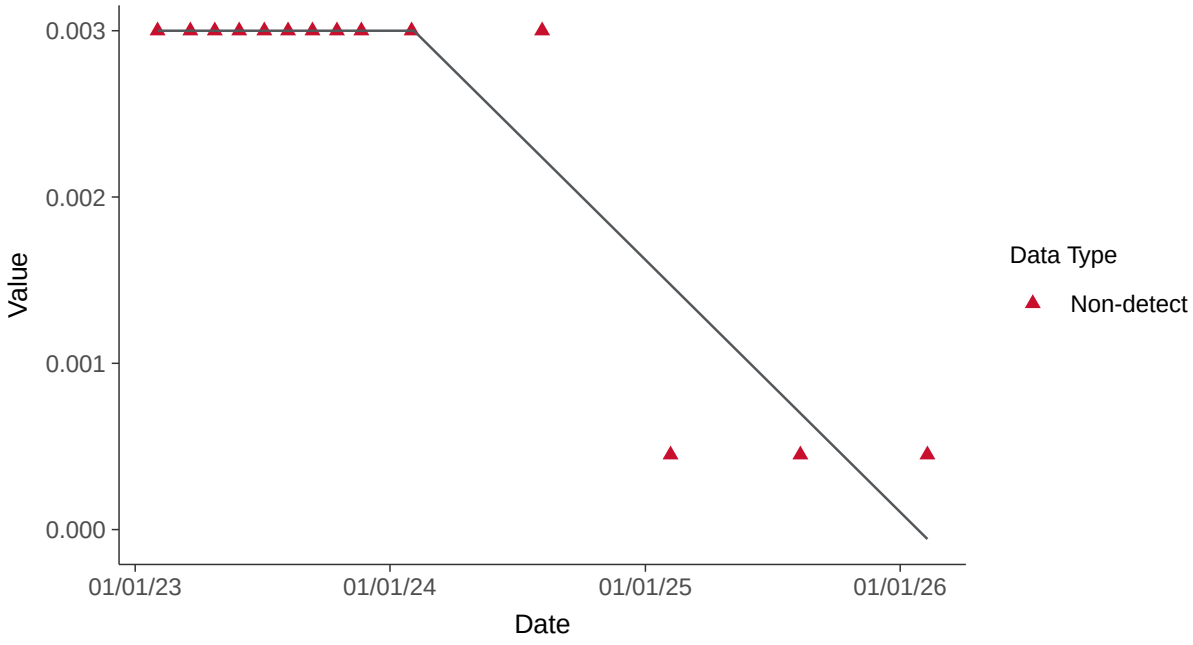
Boxplot by Season

Lead, MW-16D (mg/l)



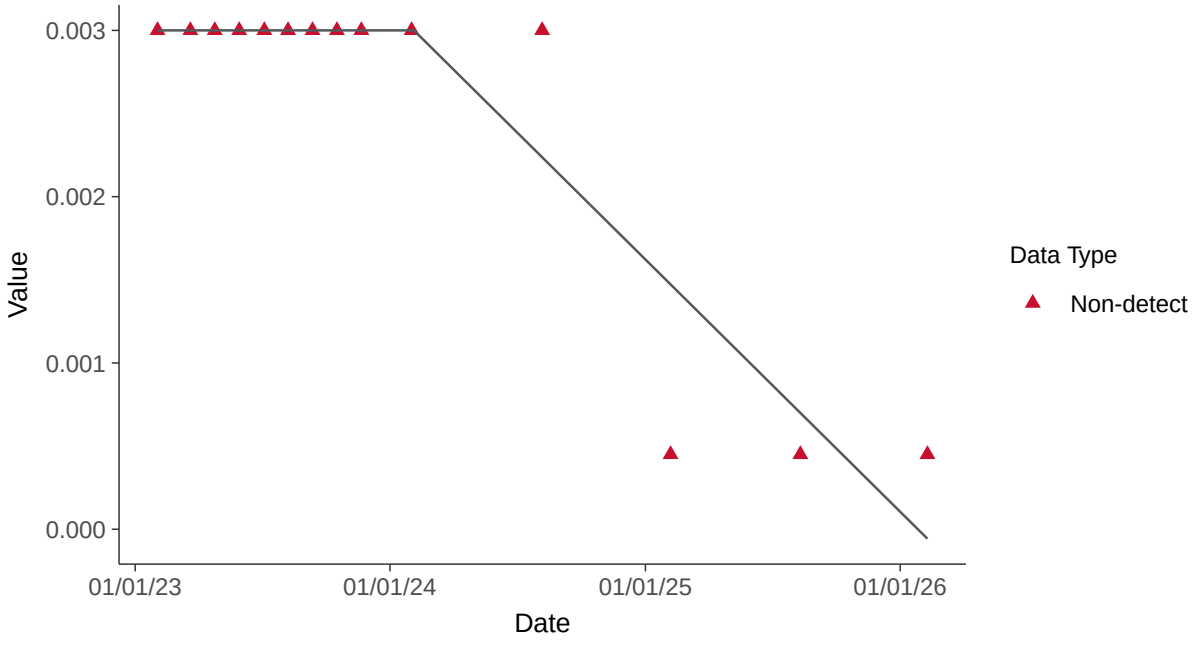
Trend Regression: Piecewise Linear-Linear

Lead, MW-16D (mg/l)



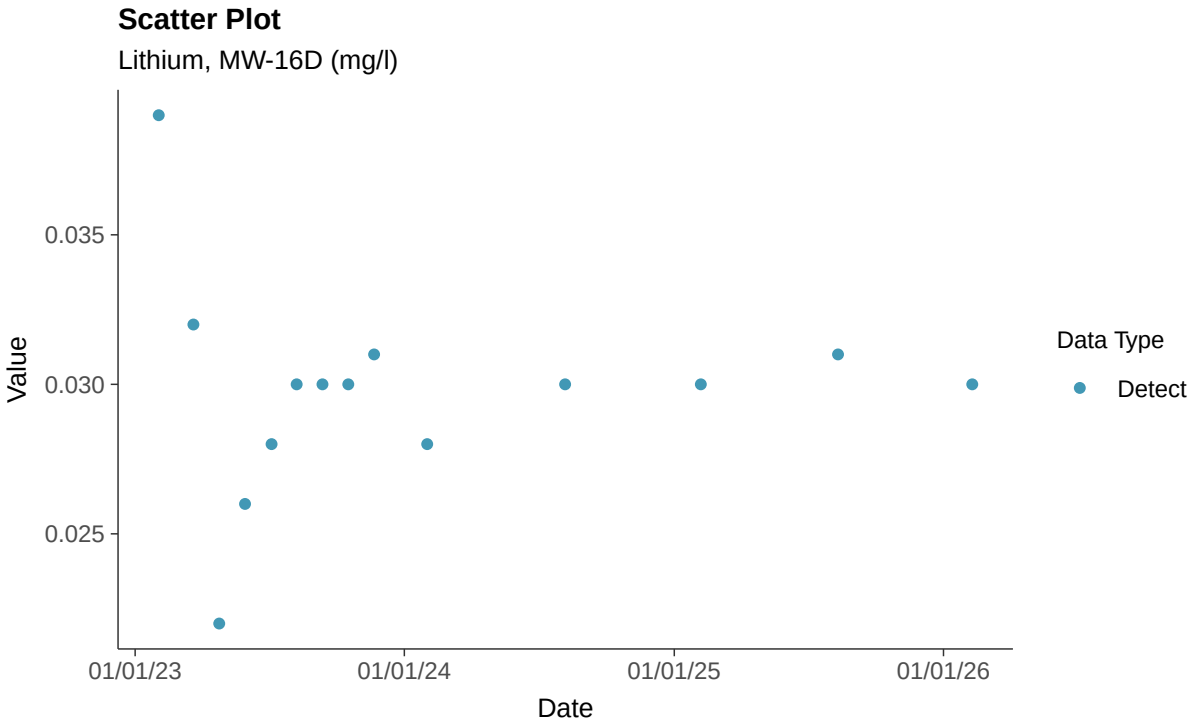
Trend Regression: Piecewise Linear-Linear-Linear

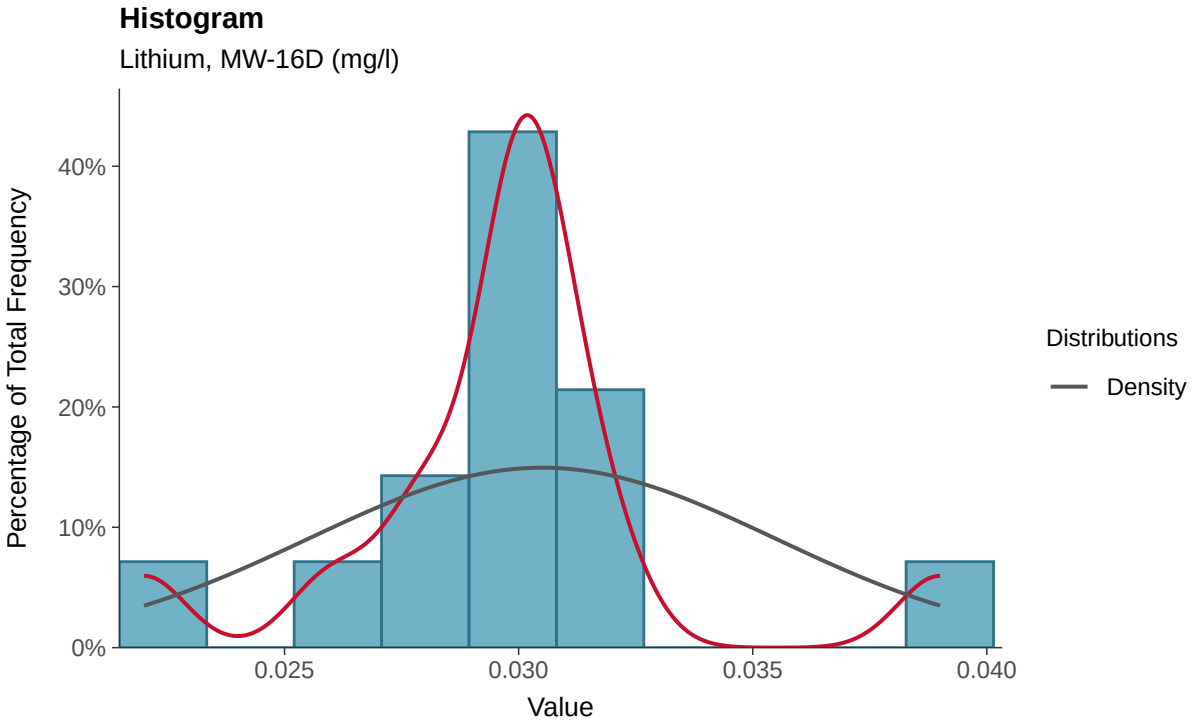
Lead, MW-16D (mg/l)



Appendix IV: Lithium, MW-16D

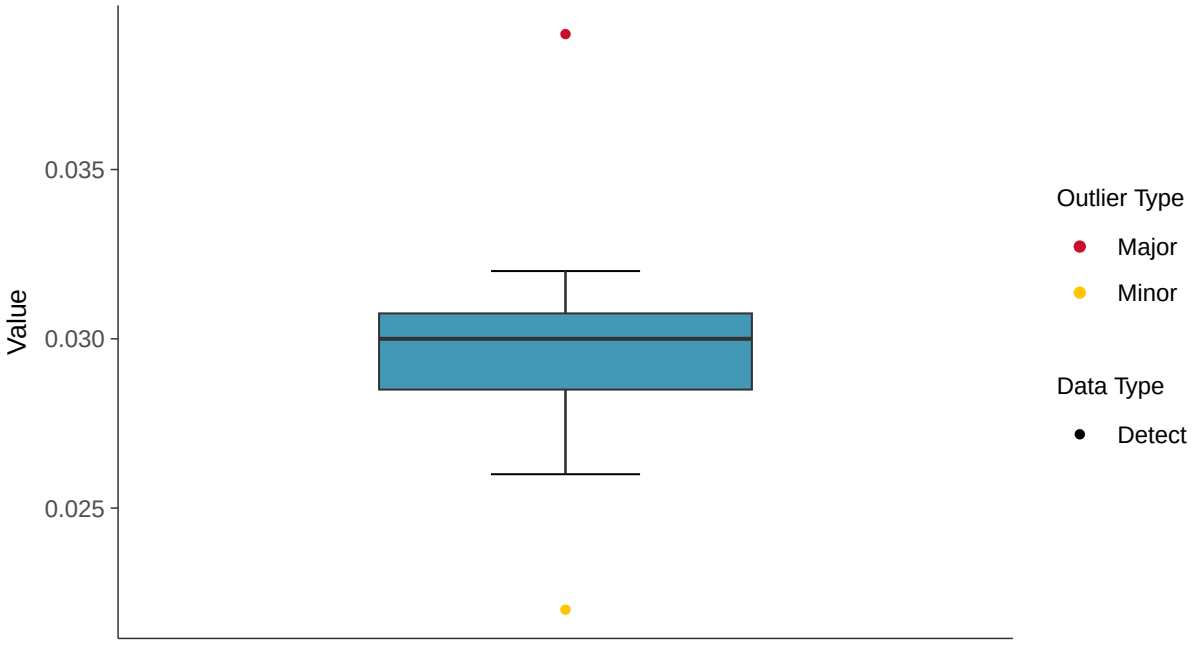
ID: 13_3_116





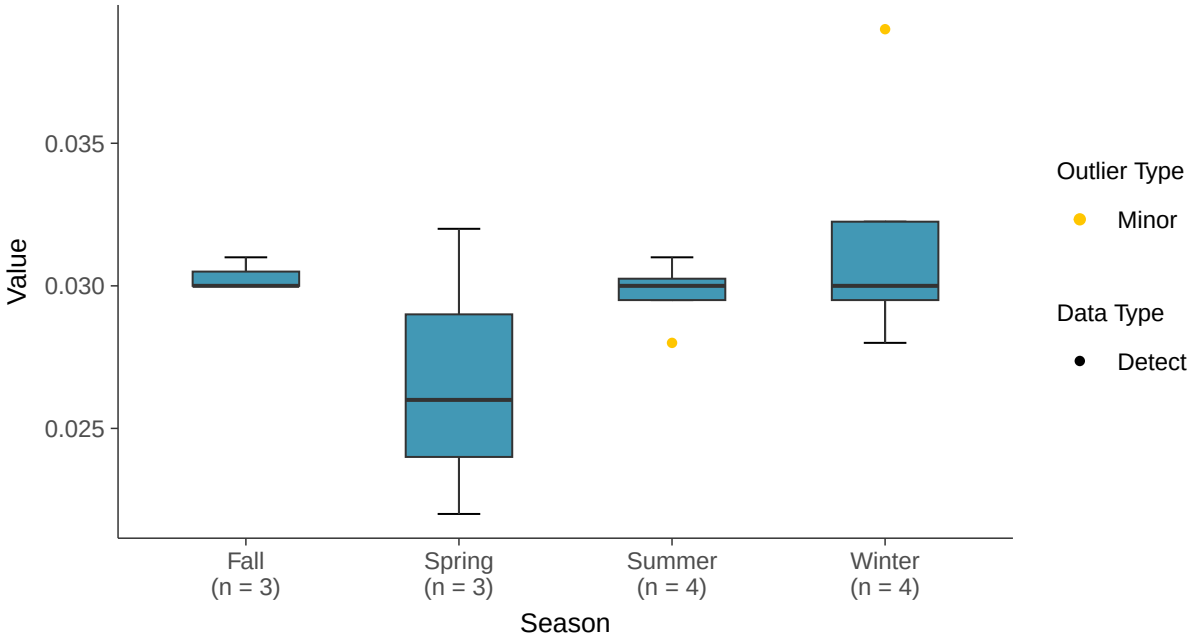
Boxplot

Lithium, MW-16D (mg/l)



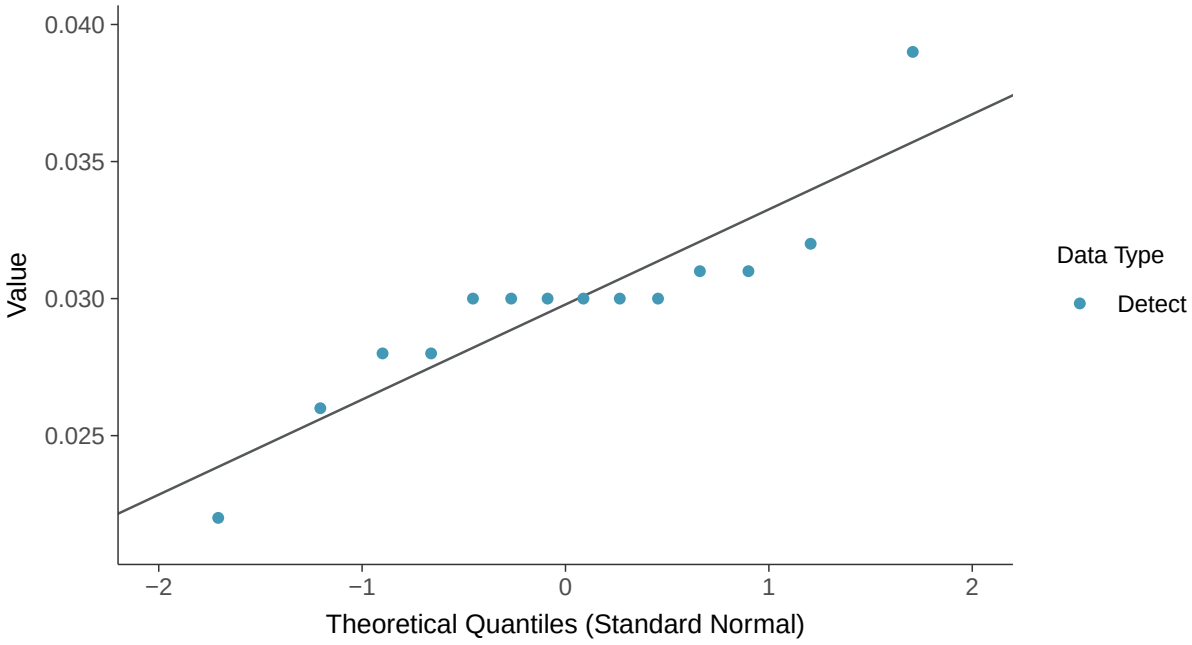
Boxplot by Season

Lithium, MW-16D (mg/l)



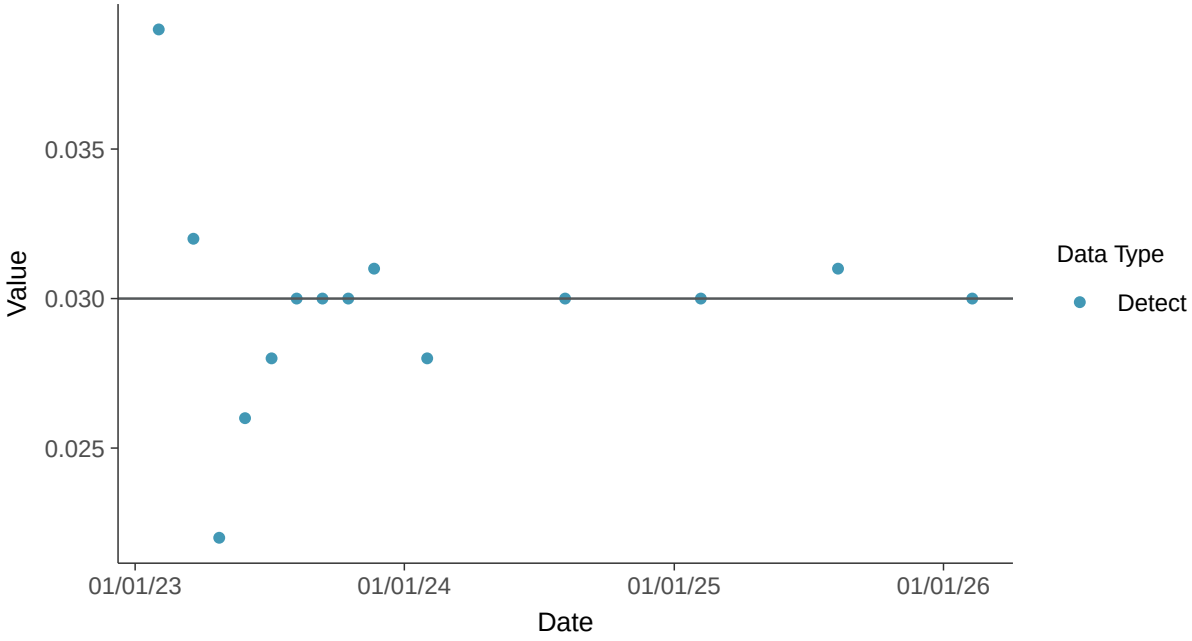
Normal Q-Q plot

Lithium, MW-16D (mg/l)



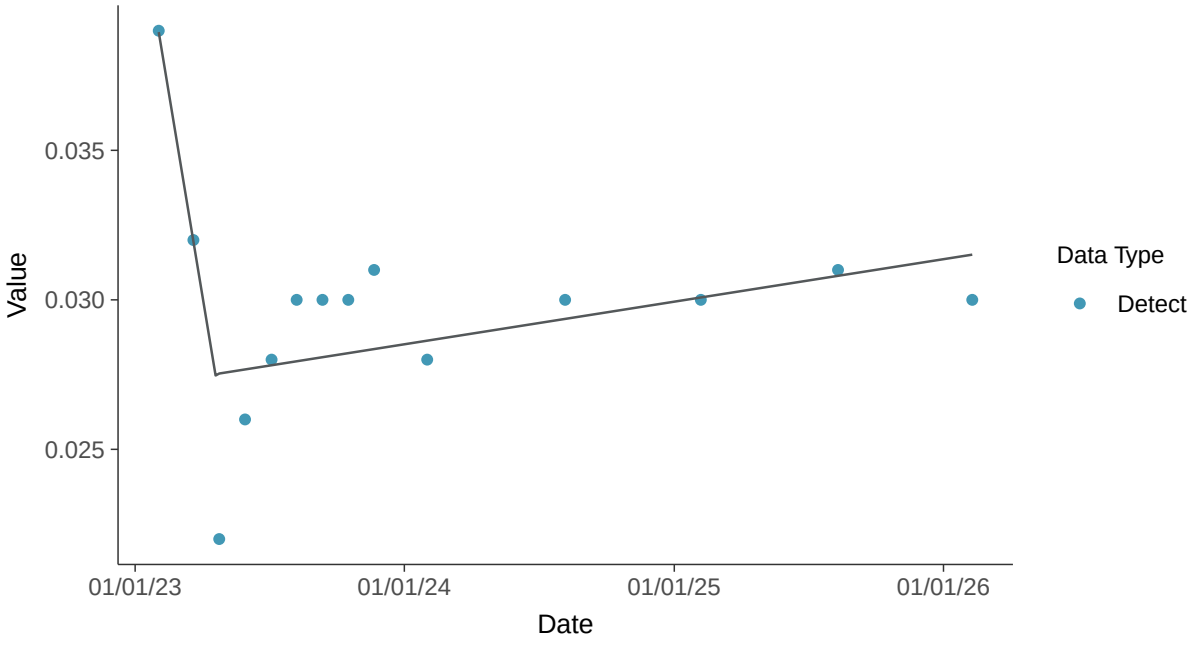
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Lithium, MW-16D (mg/l)



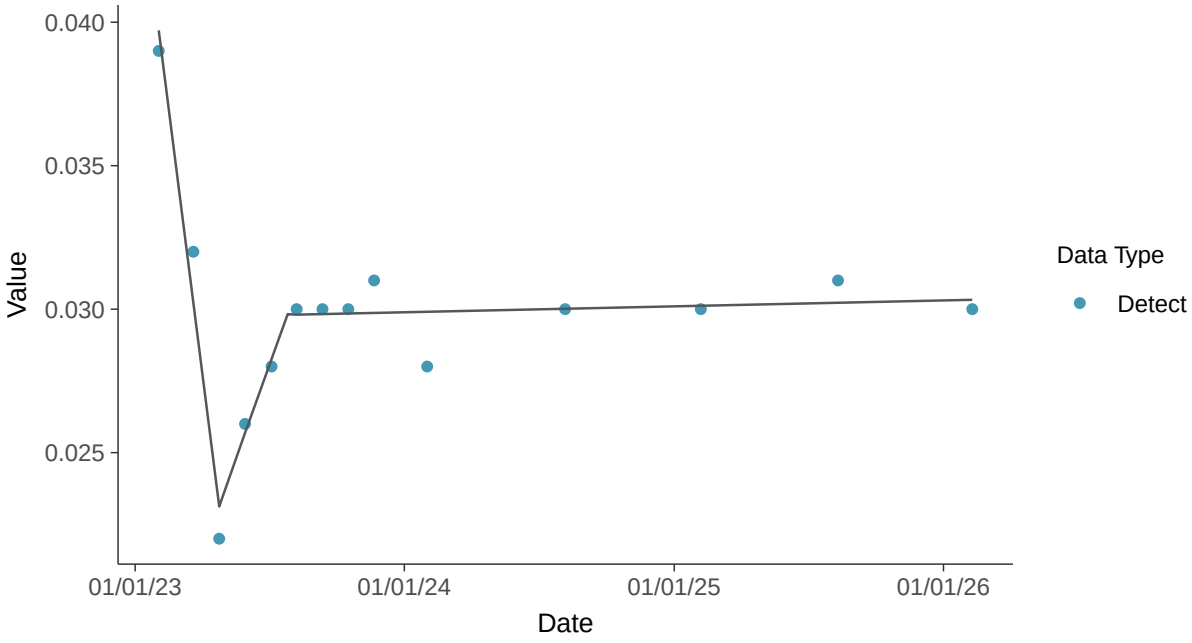
Trend Regression: Piecewise Linear-Linear

Lithium, MW-16D (mg/l)



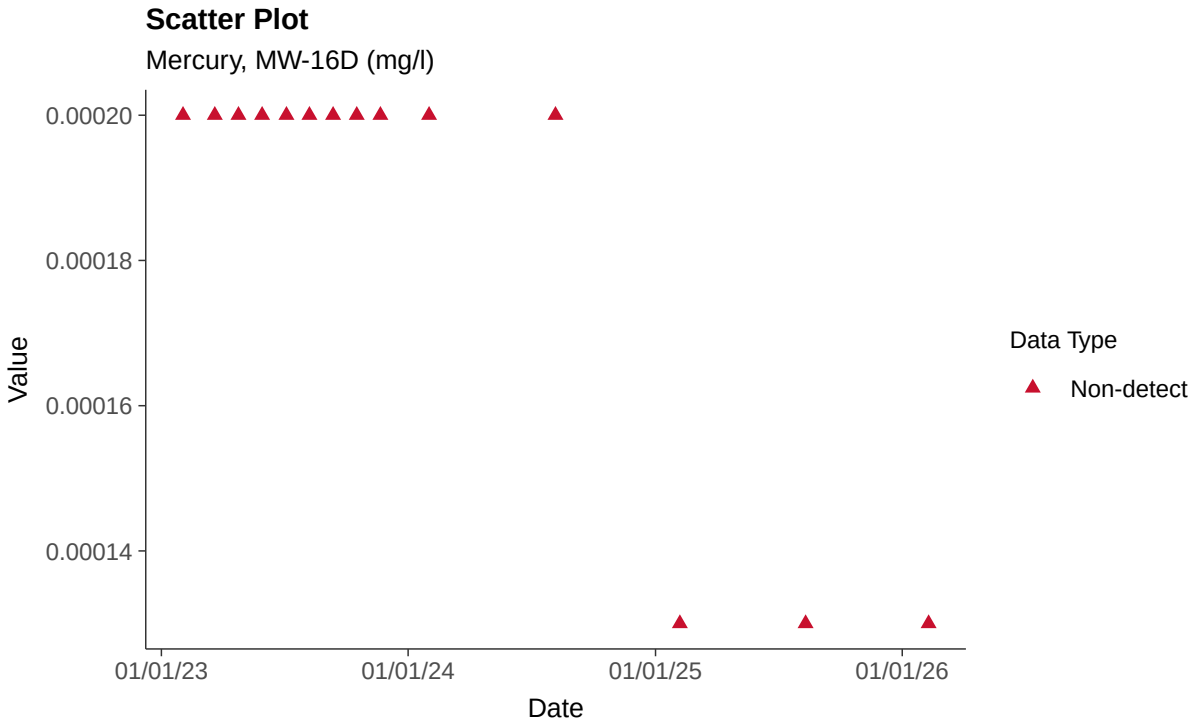
Trend Regression: Piecewise Linear-Linear-Linear

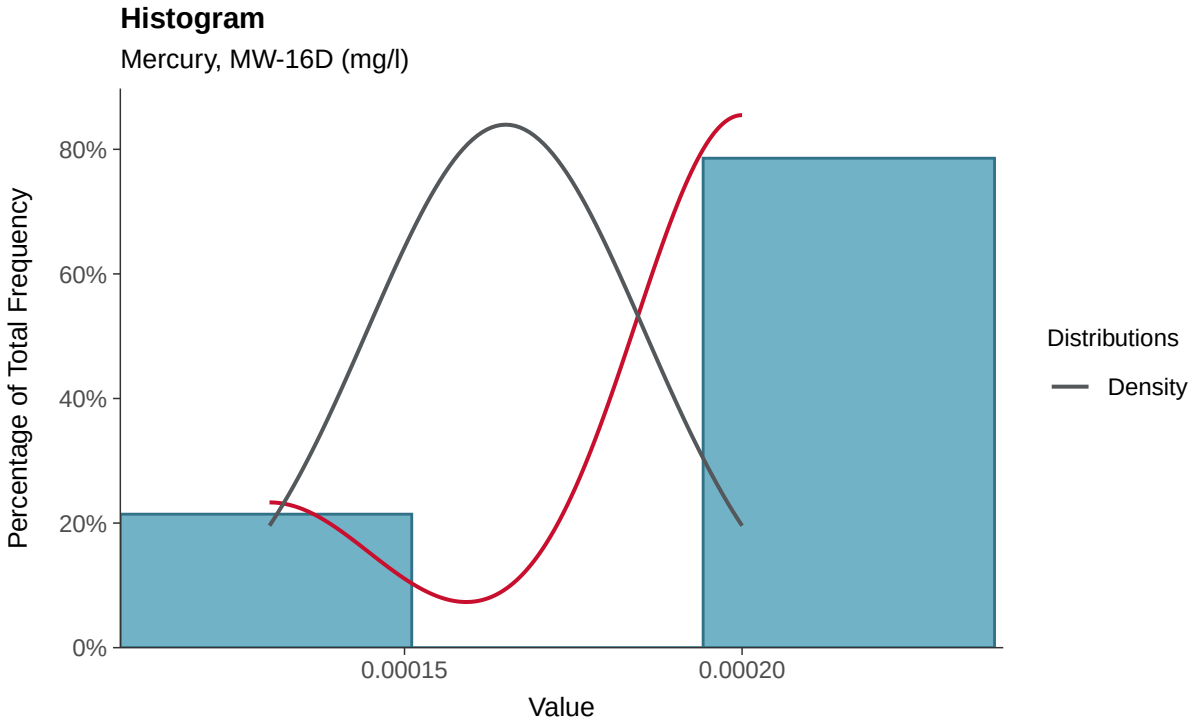
Lithium, MW-16D (mg/l)



Appendix IV: Mercury, MW-16D

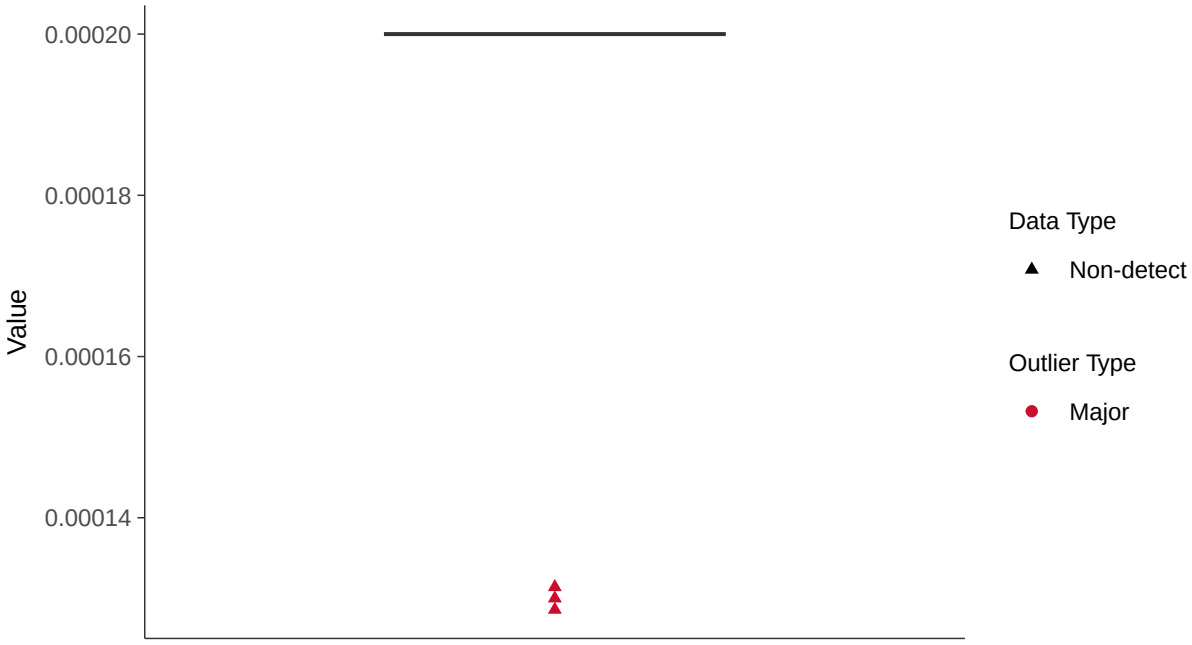
ID: 13_3_117





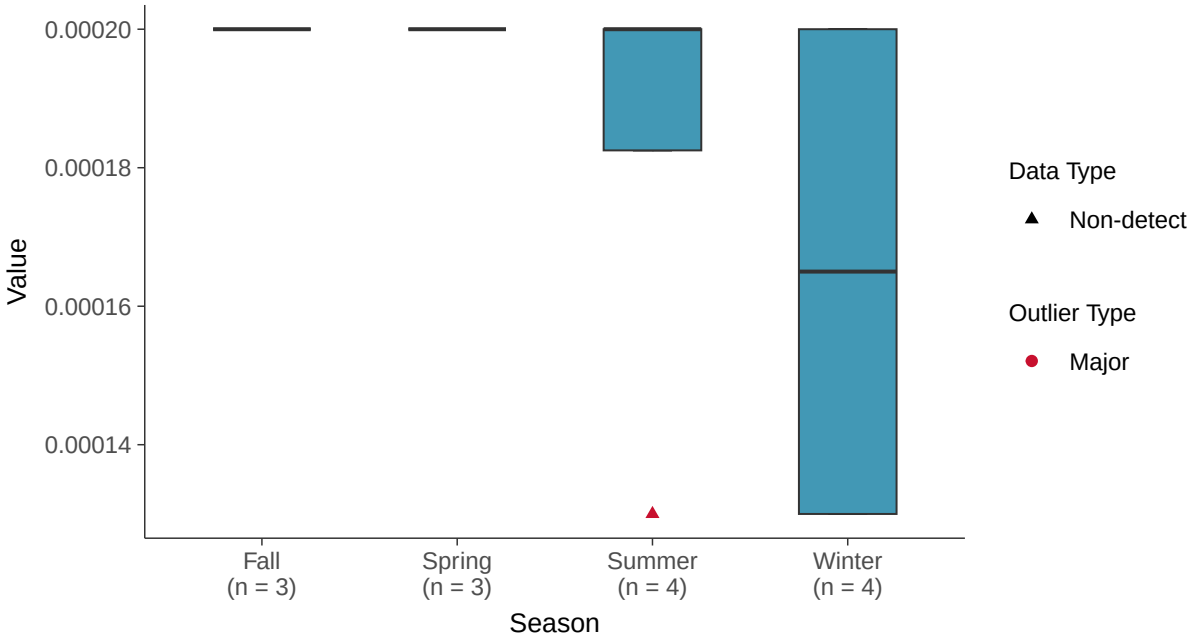
Boxplot

Mercury, MW-16D (mg/l)



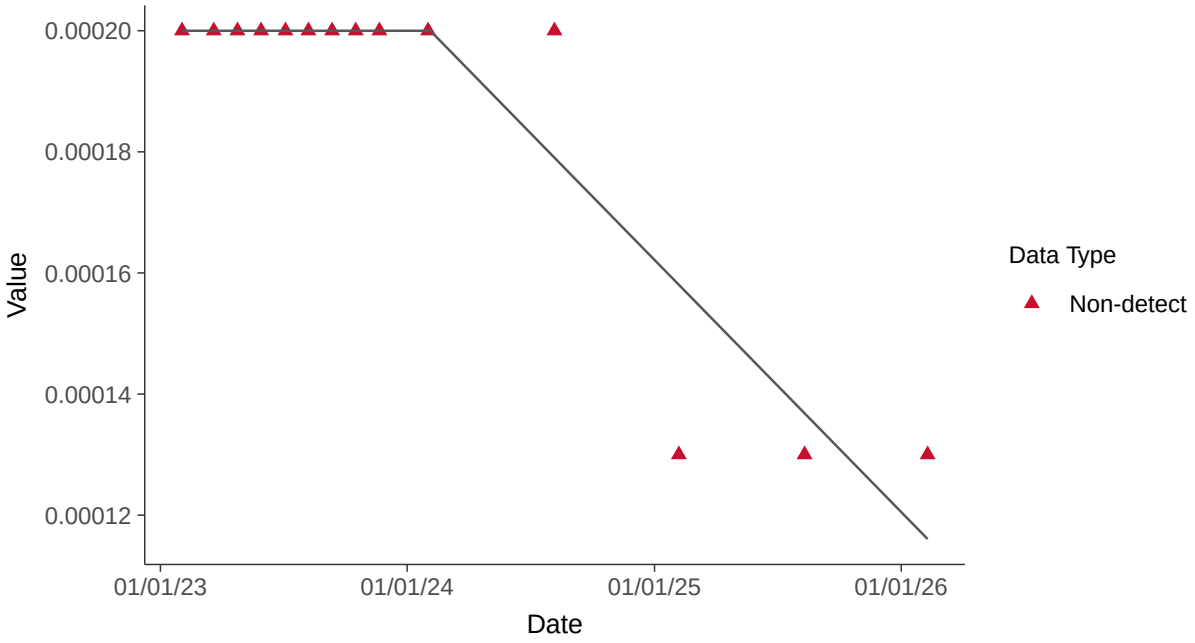
Boxplot by Season

Mercury, MW-16D (mg/l)



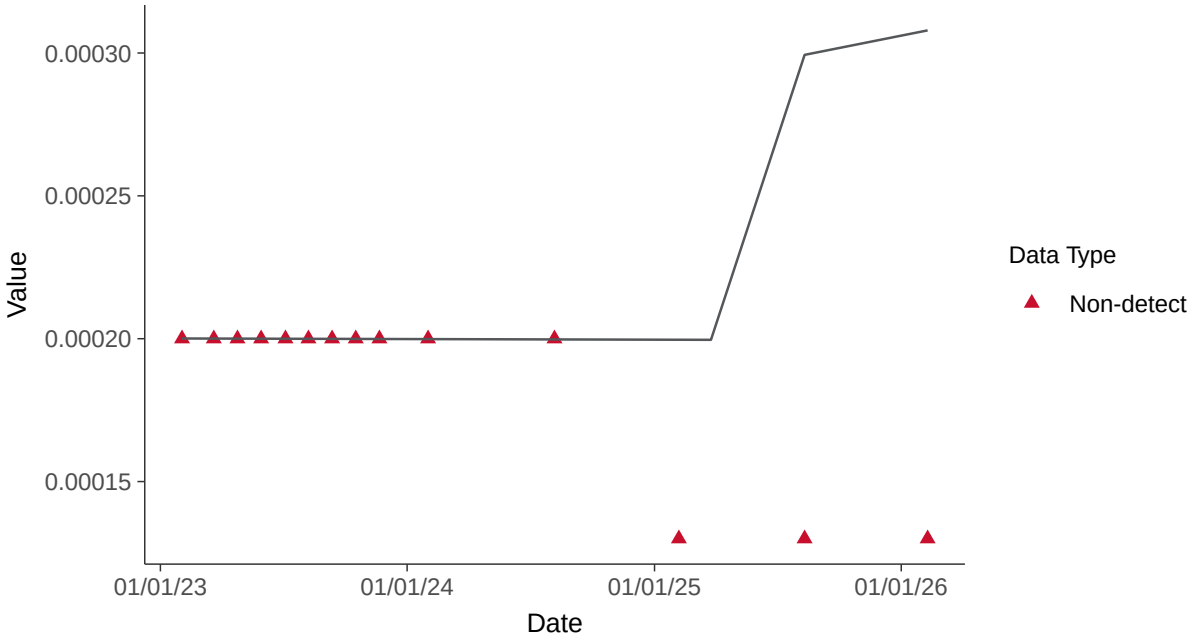
Trend Regression: Piecewise Linear-Linear

Mercury, MW-16D (mg/l)



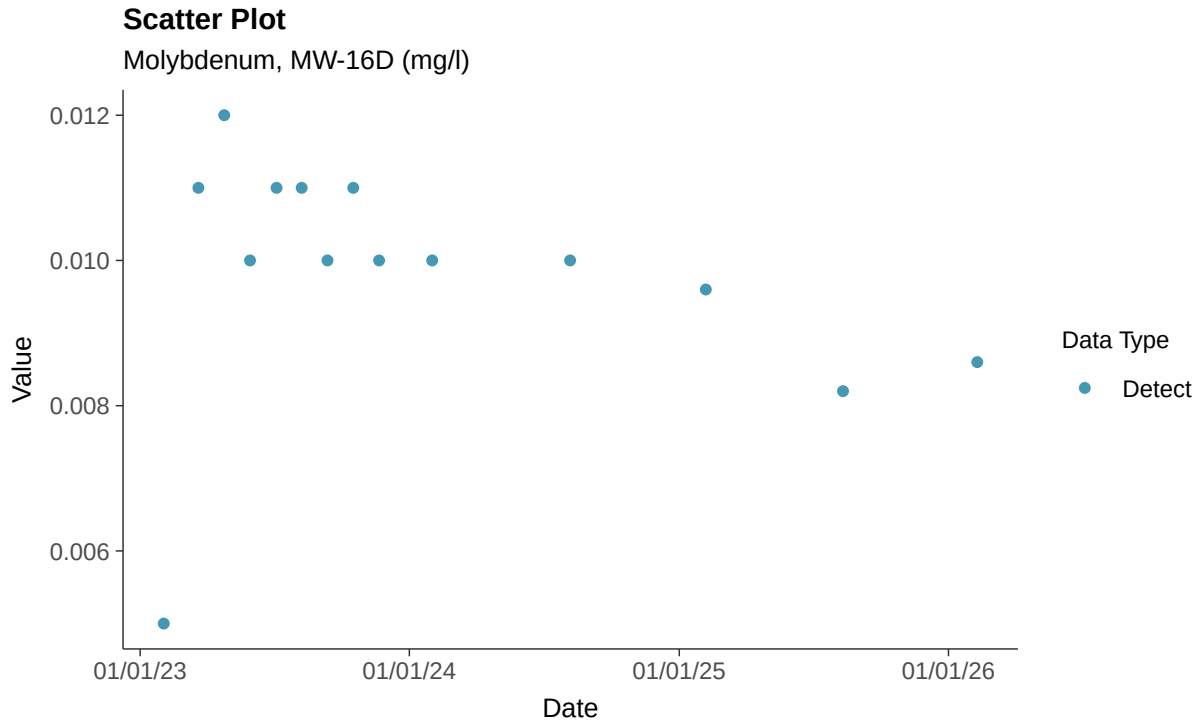
Trend Regression: Piecewise Linear-Linear-Linear

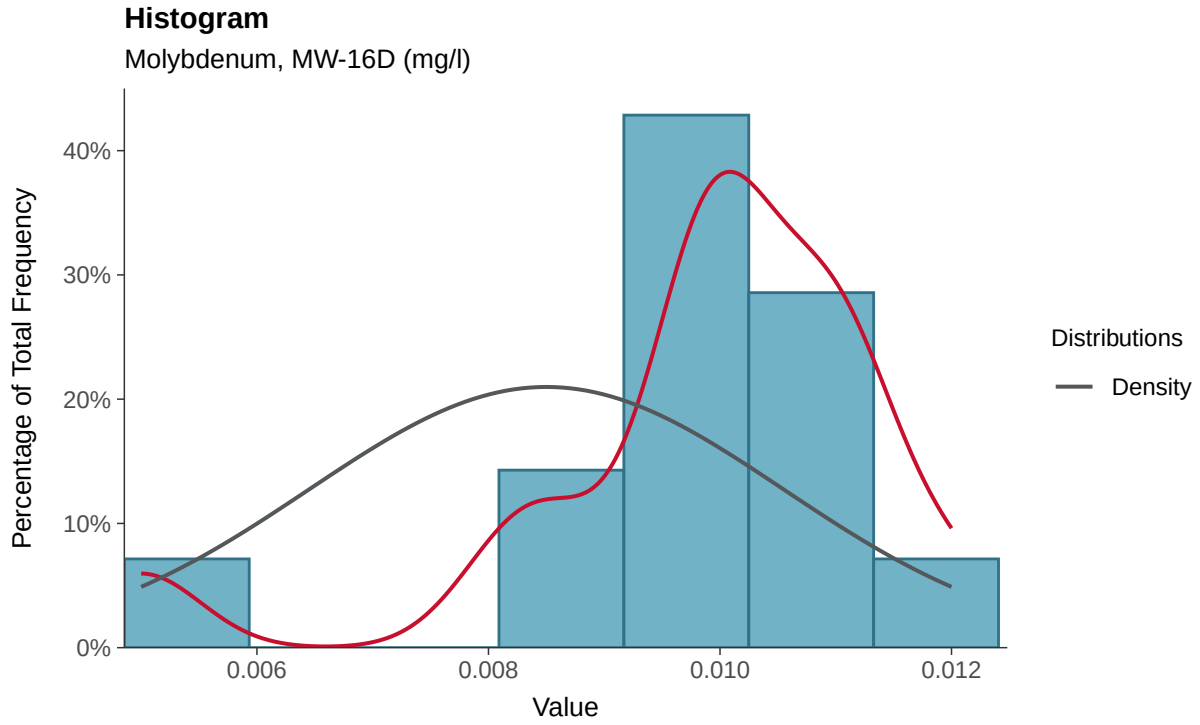
Mercury, MW-16D (mg/l)



Appendix IV: Molybdenum, MW-16D

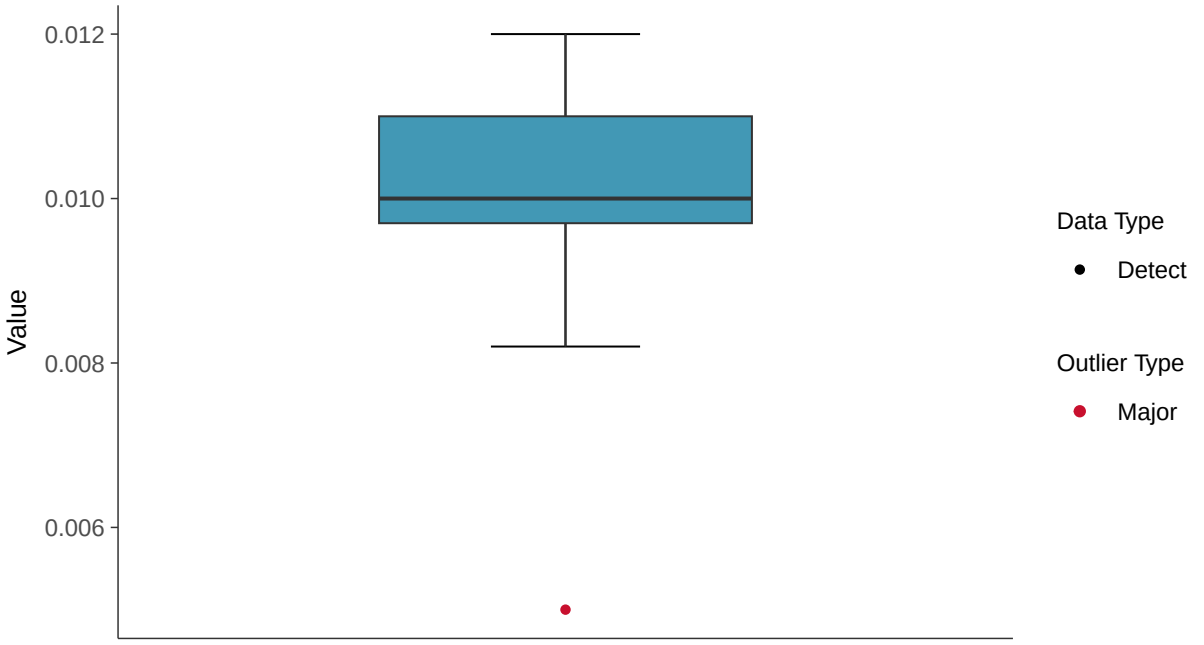
ID: 13_3_118





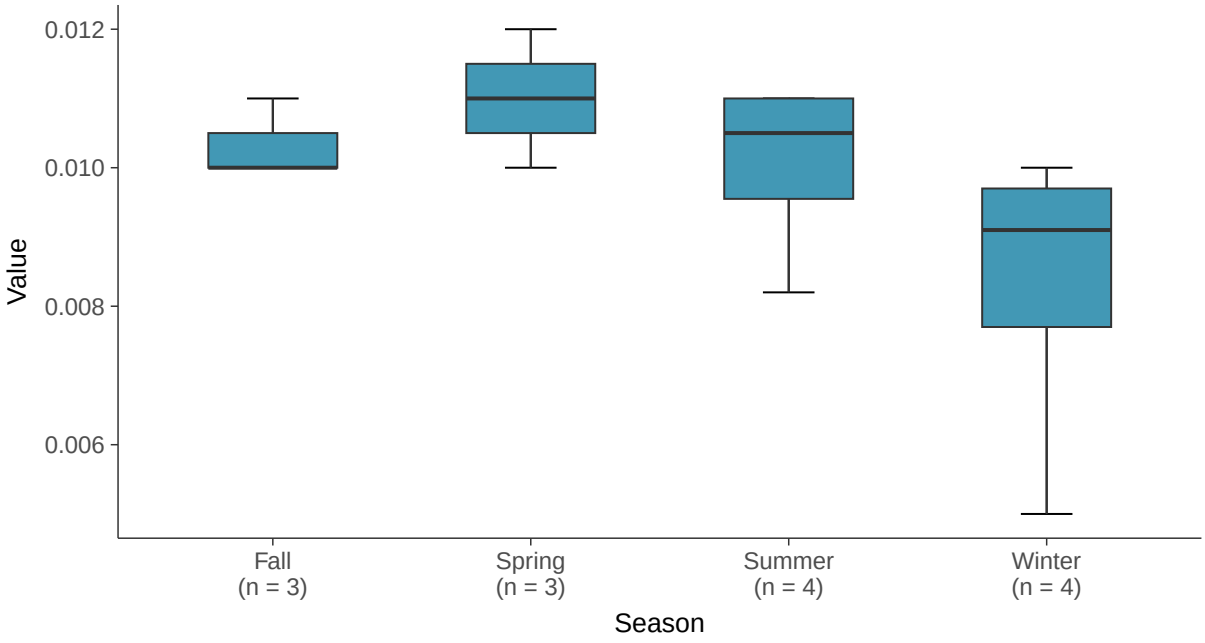
Boxplot

Molybdenum, MW-16D (mg/l)



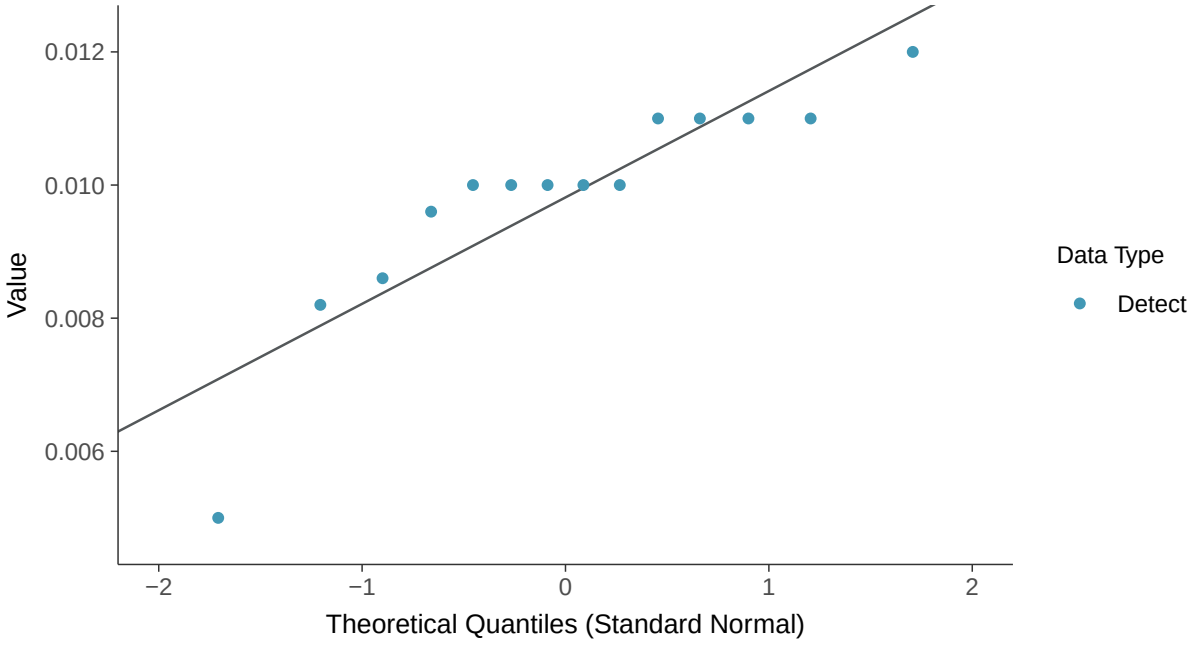
Boxplot by Season

Molybdenum, MW-16D (mg/l)



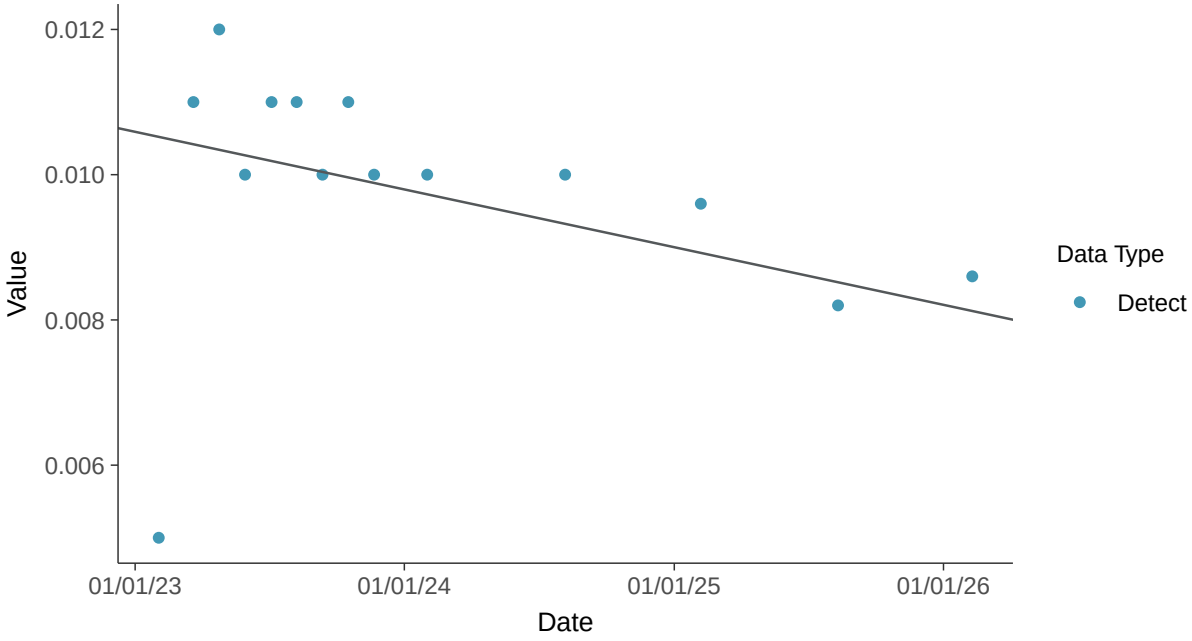
Normal Q-Q plot

Molybdenum, MW-16D (mg/l)



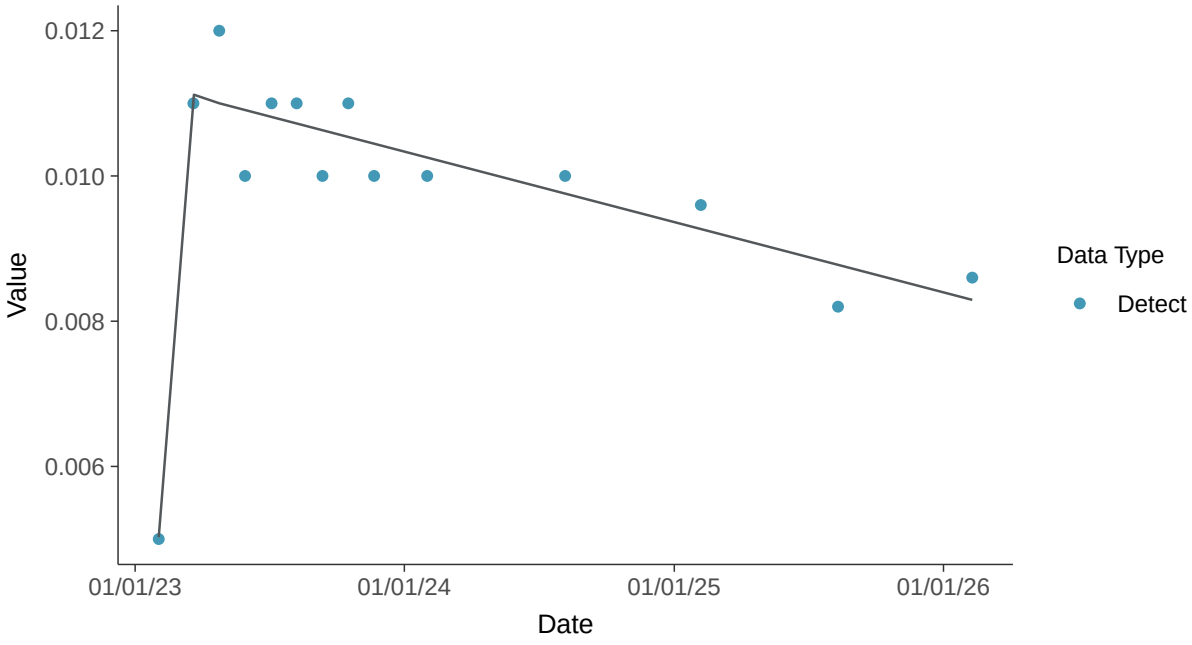
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Molybdenum, MW-16D (mg/l)



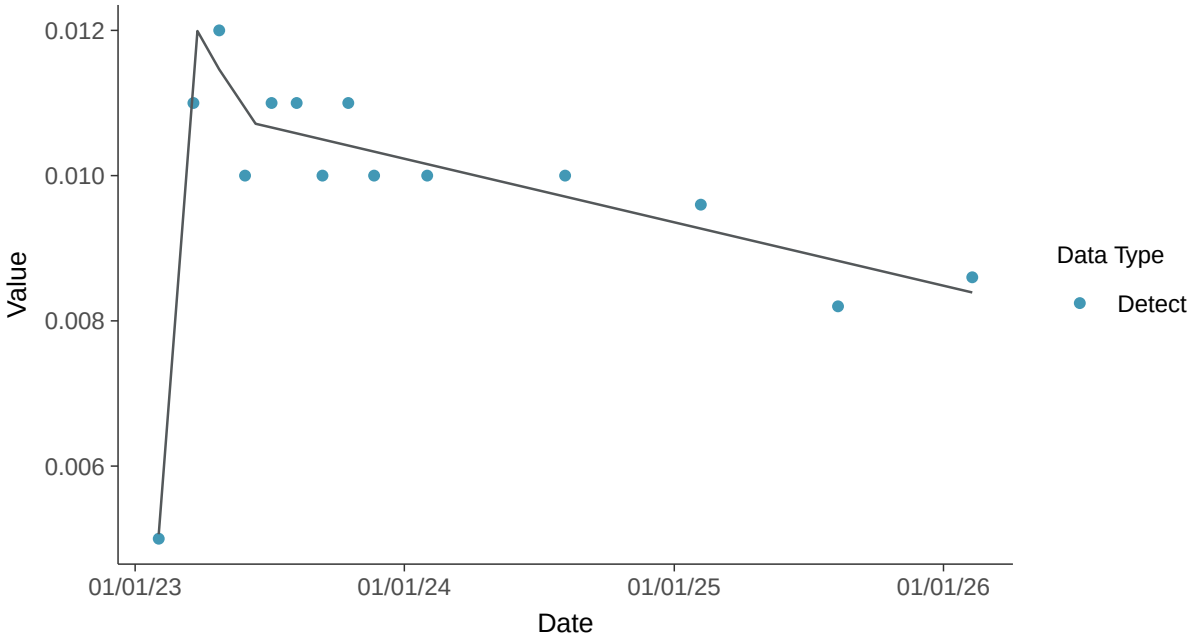
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-16D (mg/l)



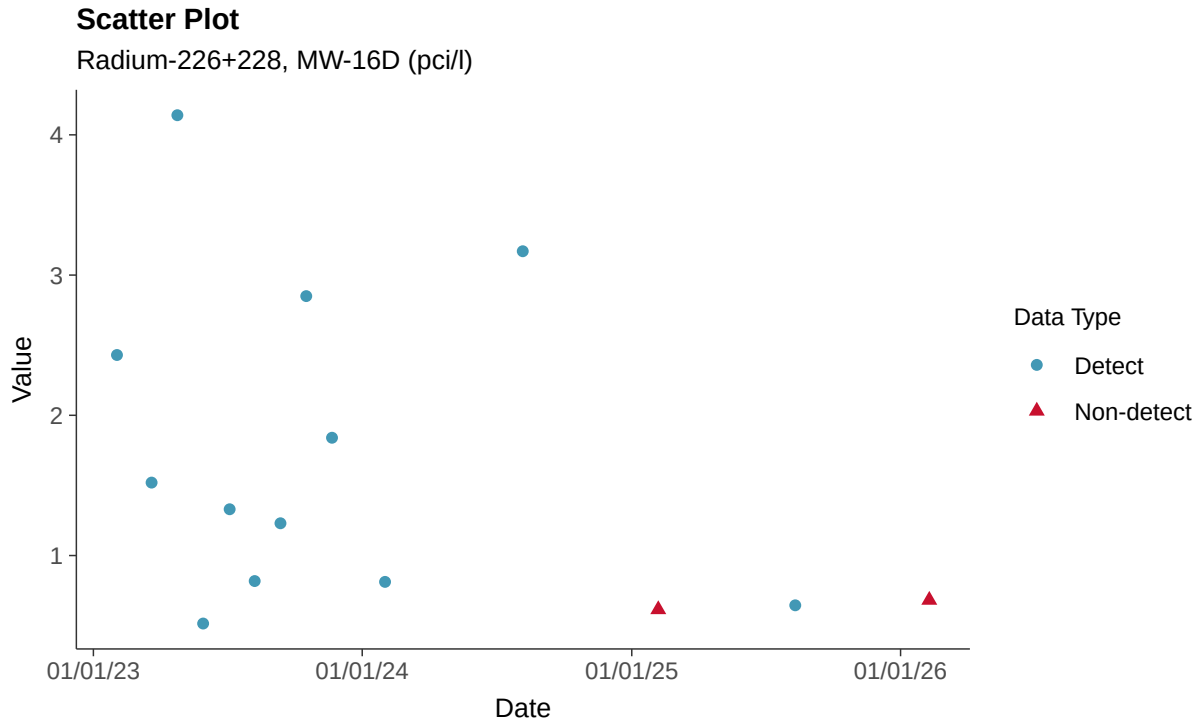
Trend Regression: Piecewise Linear-Linear-Linear

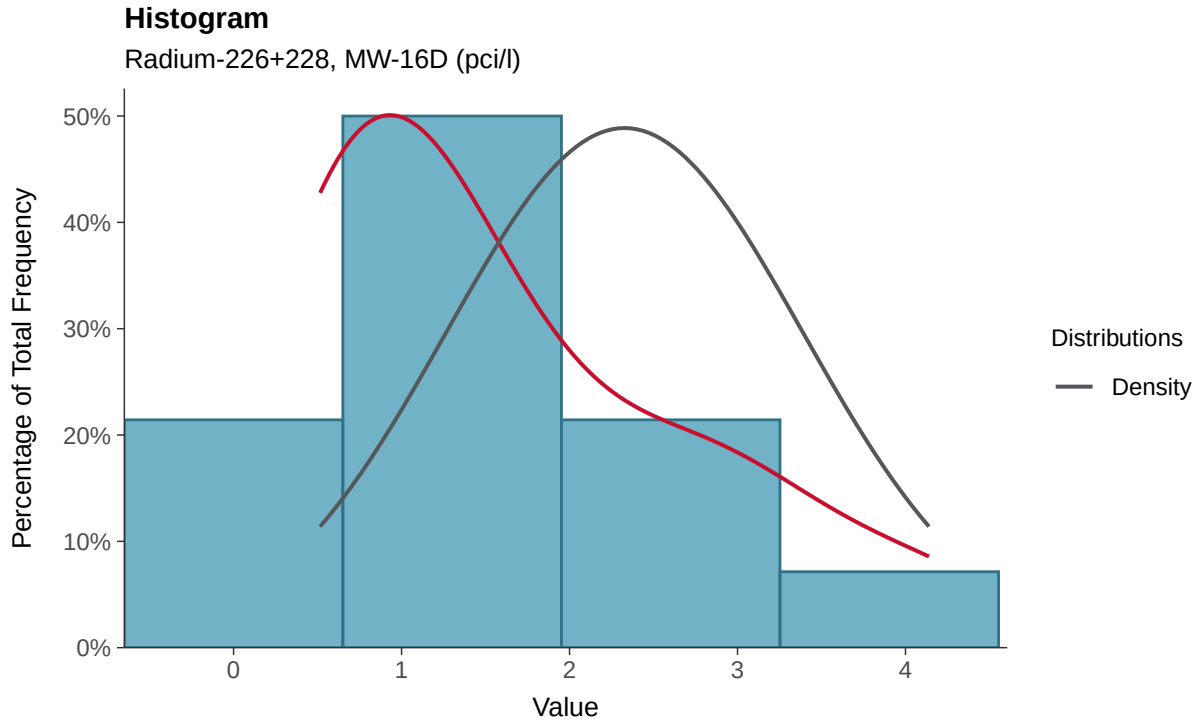
Molybdenum, MW-16D (mg/l)



Appendix IV: Radium-226+228, MW-16D

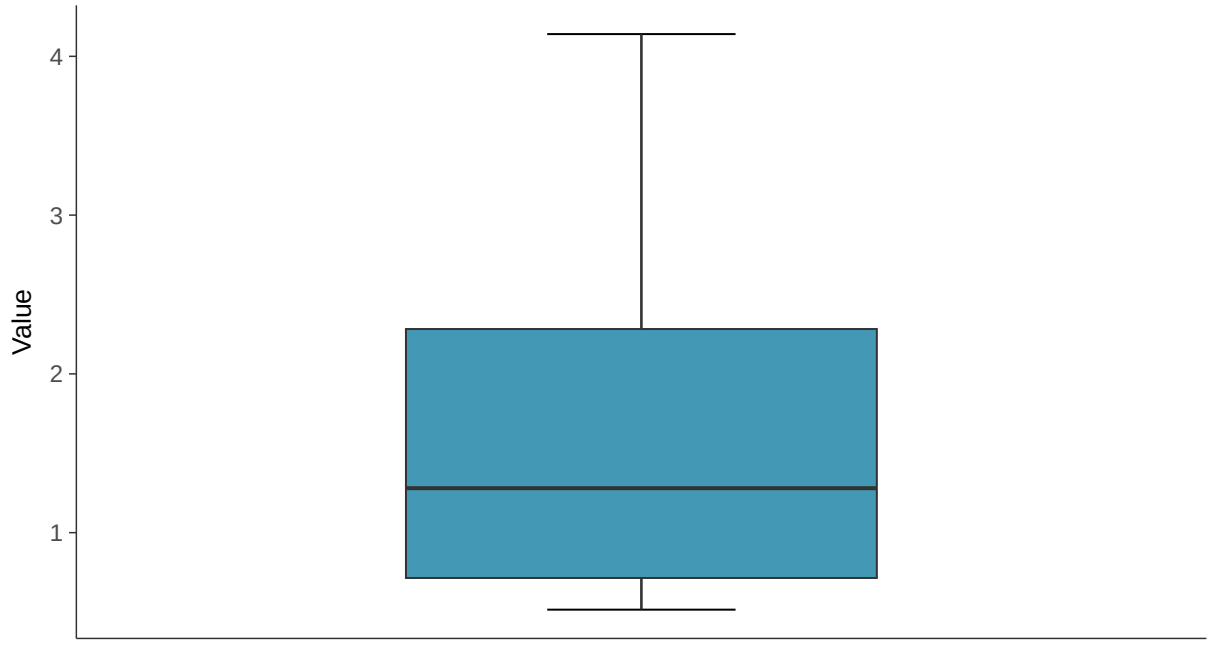
ID: 13_3_121





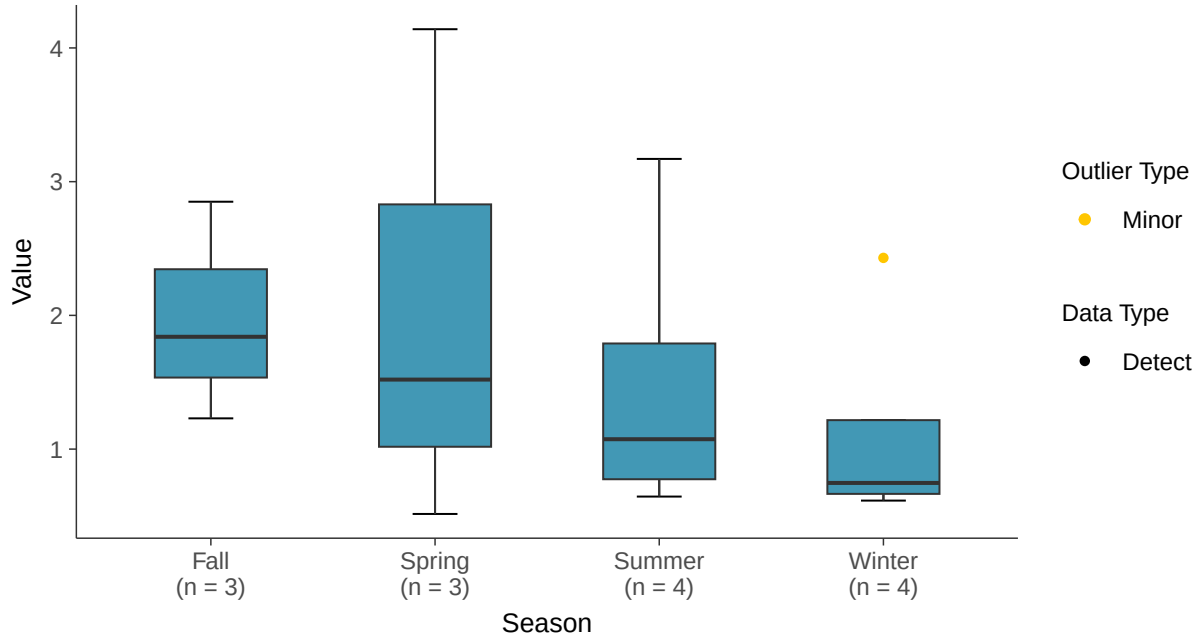
Boxplot

Radium-226+228, MW-16D (pci/l)



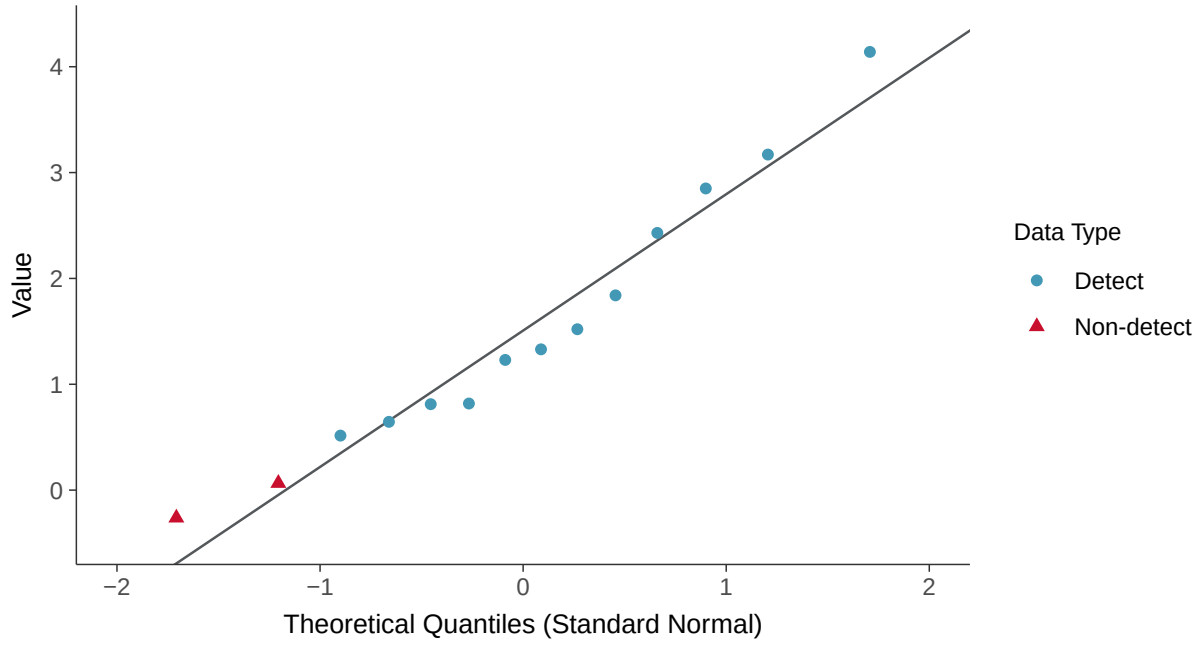
Boxplot by Season

Radium-226+228, MW-16D (pci/l)



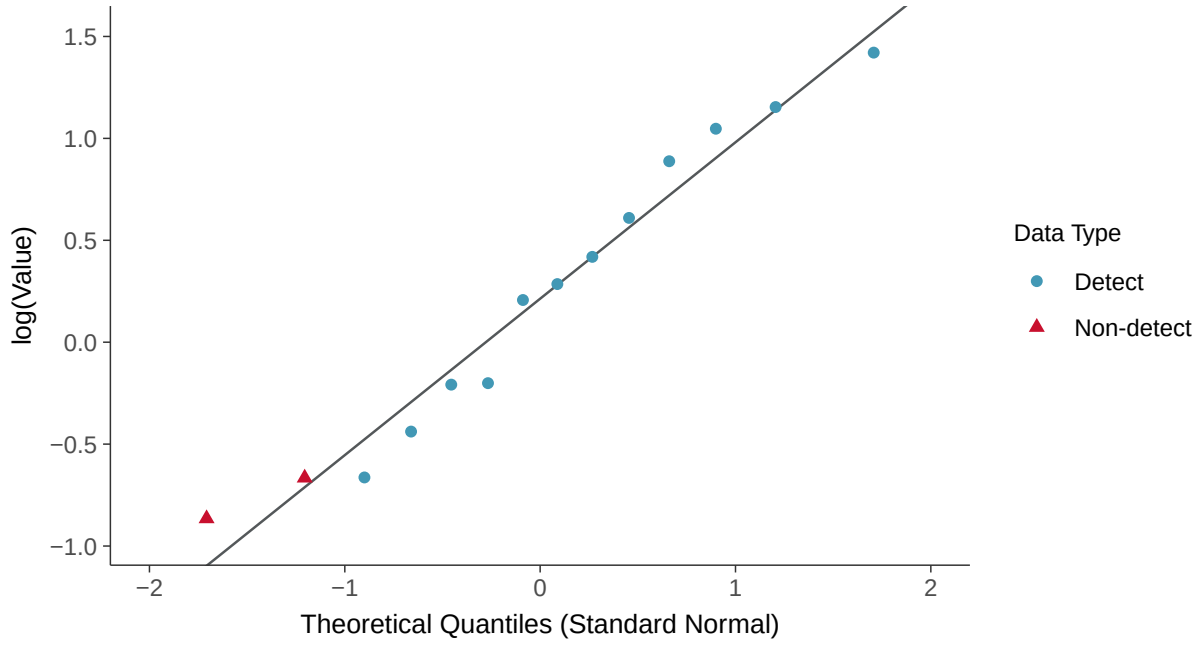
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-16D (pci/l)



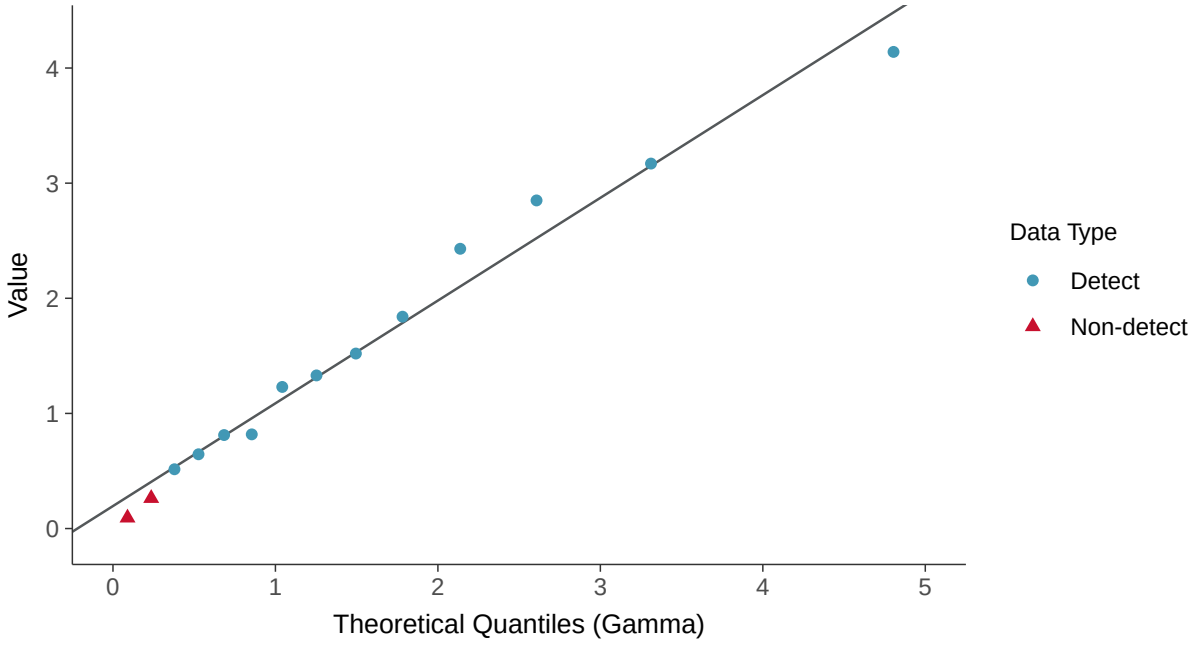
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-16D (pci/l)



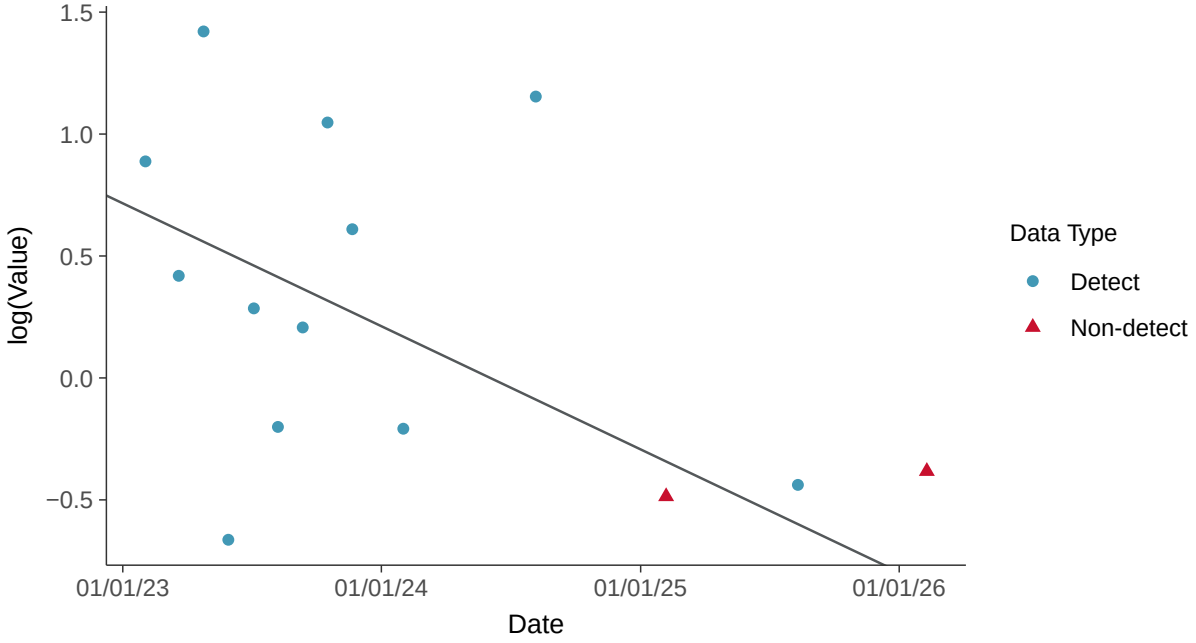
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-16D (pci/l)



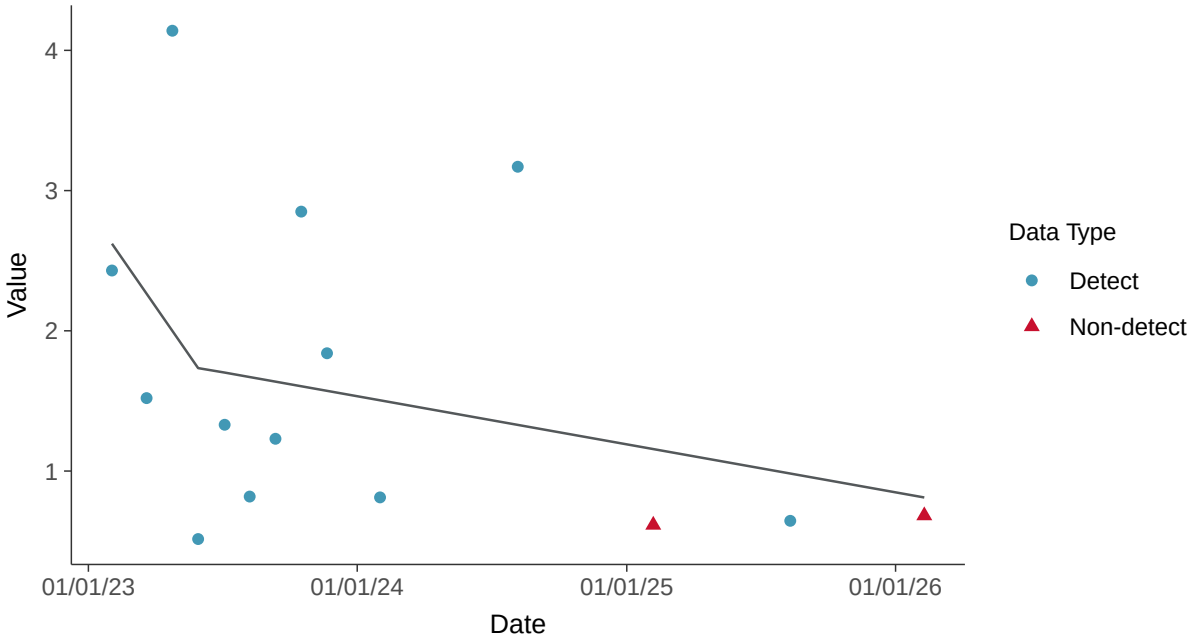
Trend Regression: Lognormal MLE

Radium-226+228, MW-16D (pci/l)



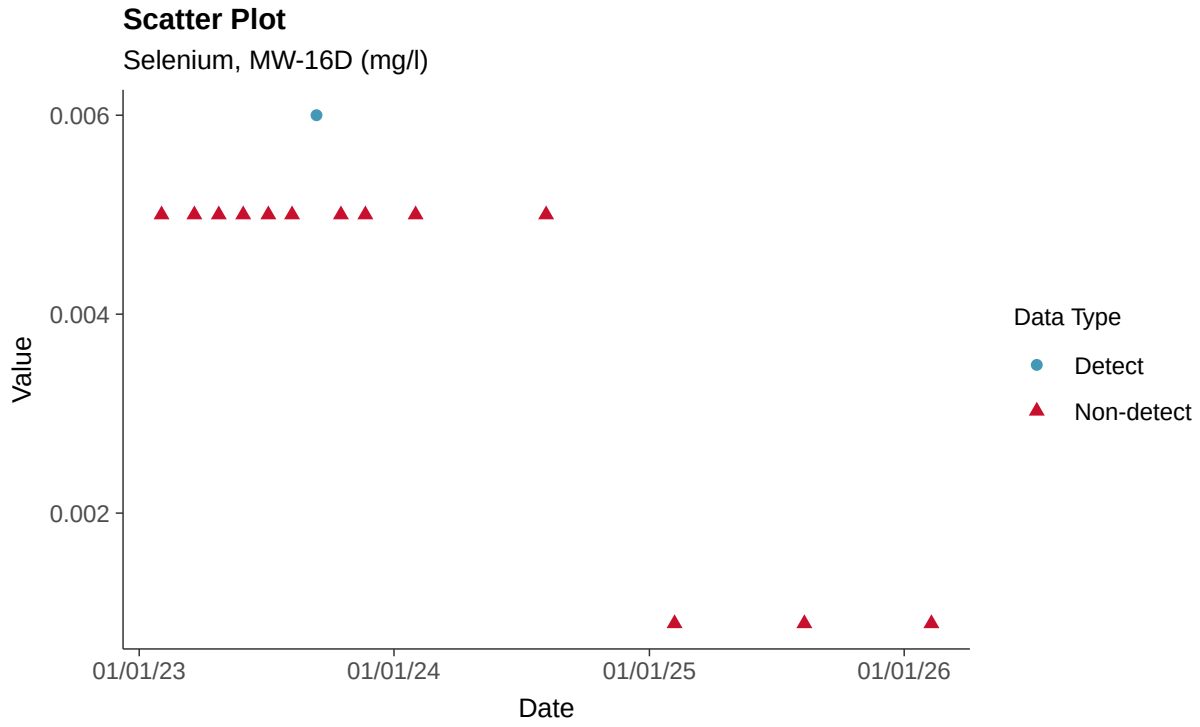
Trend Regression: Piecewise Linear-Linear

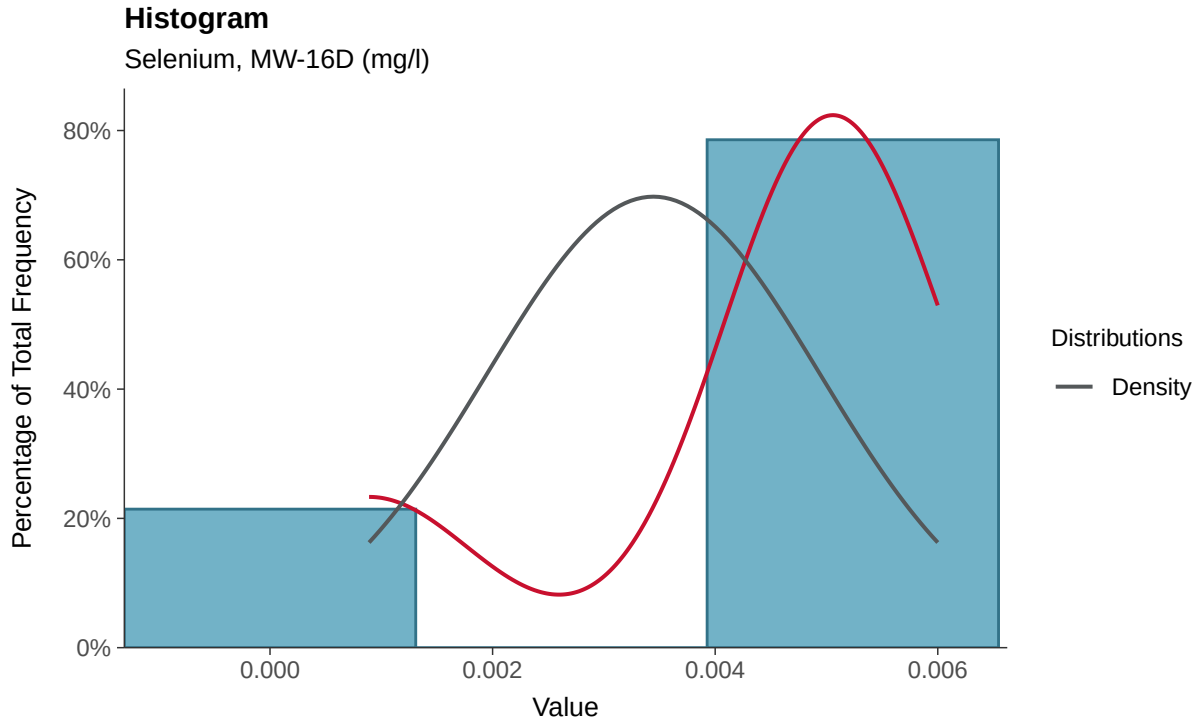
Radium-226+228, MW-16D (pci/l)



Appendix IV: Selenium, MW-16D

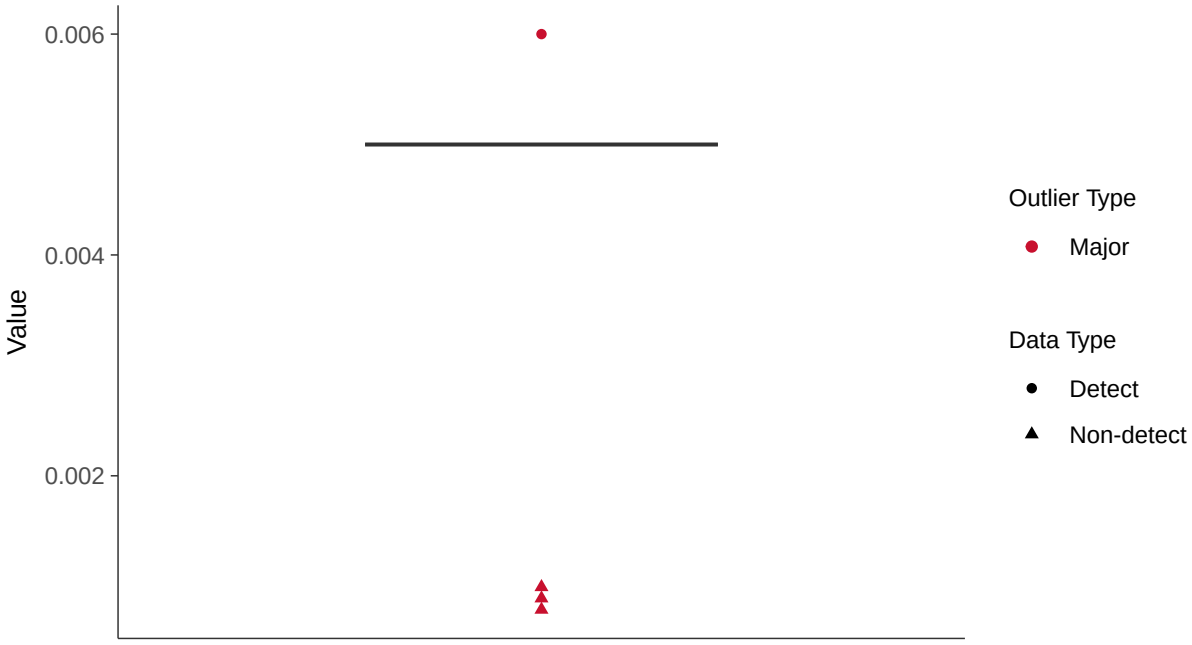
ID: 13_3_122





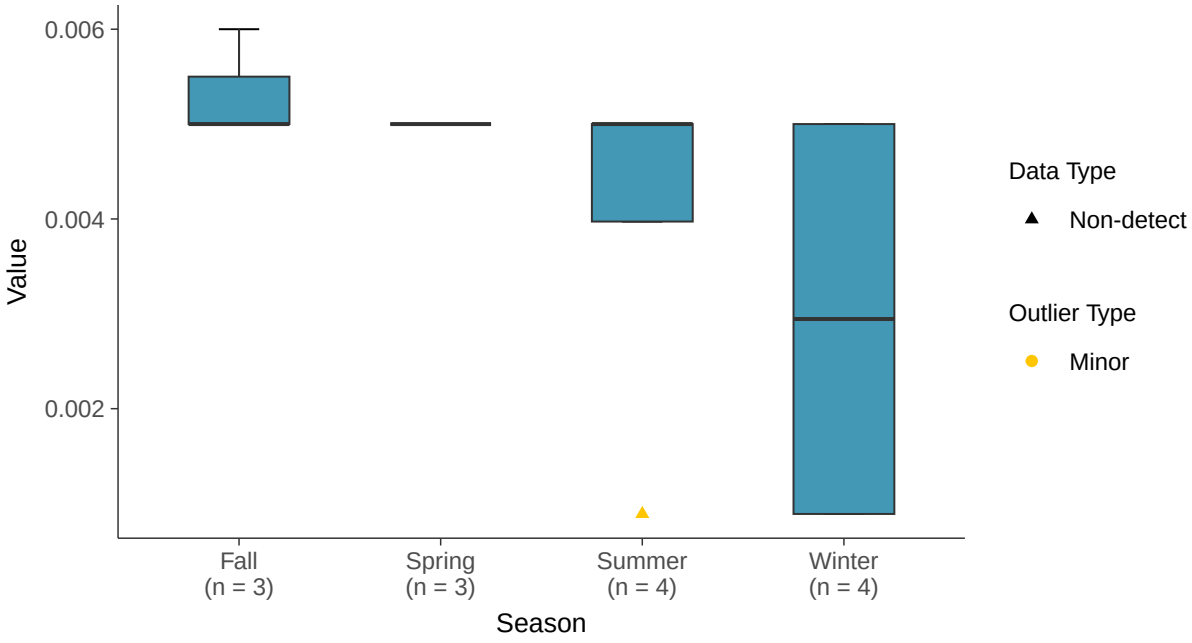
Boxplot

Selenium, MW-16D (mg/l)



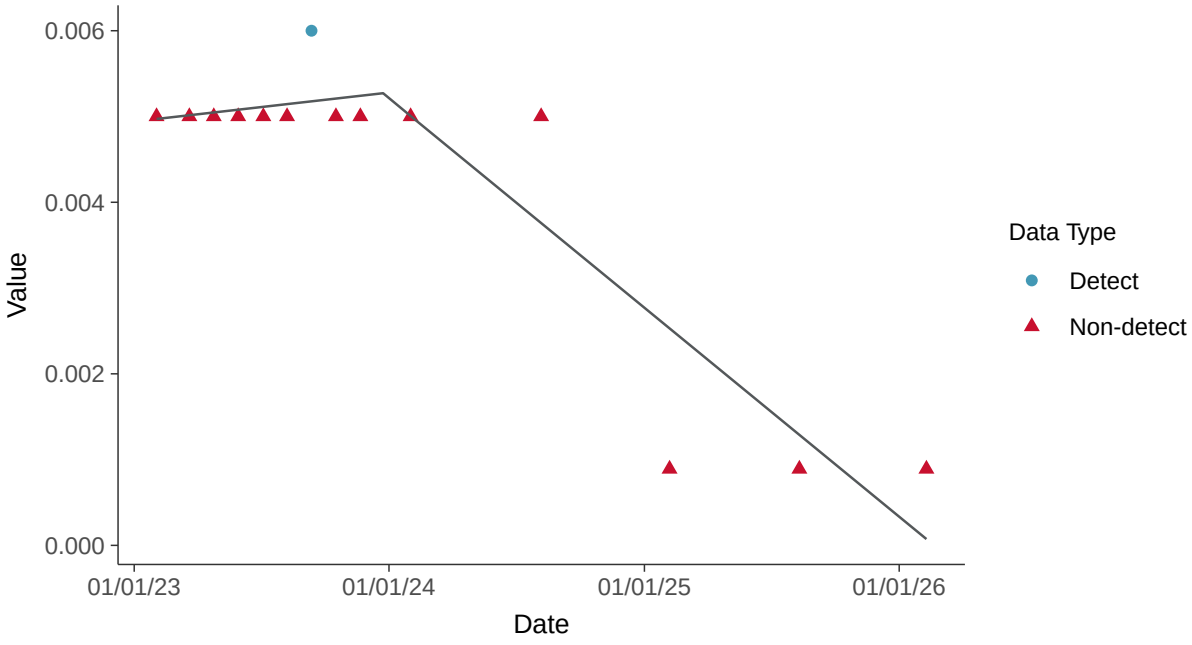
Boxplot by Season

Selenium, MW-16D (mg/l)



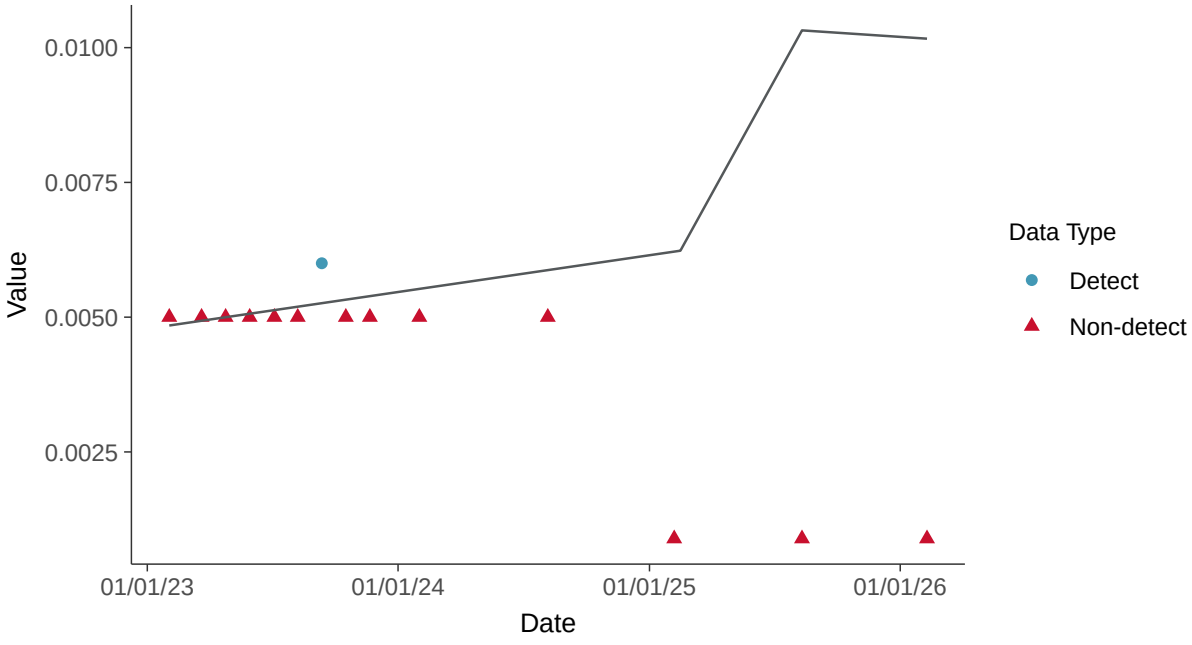
Trend Regression: Piecewise Linear-Linear

Selenium, MW-16D (mg/l)



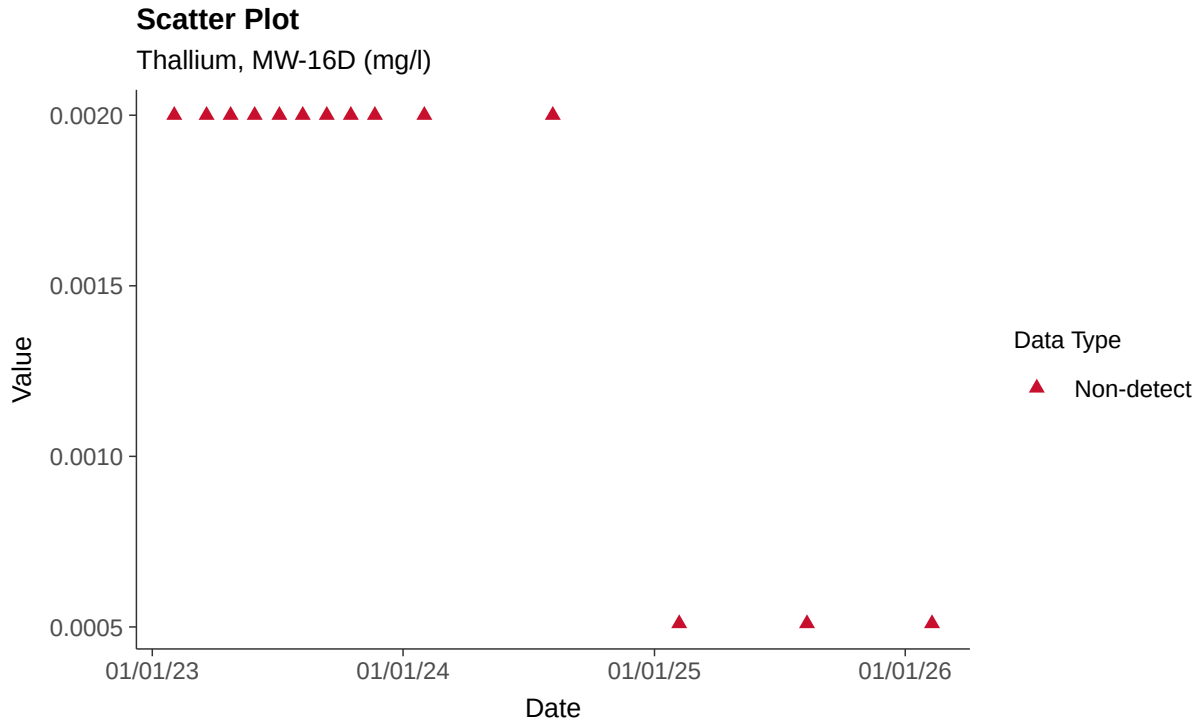
Trend Regression: Piecewise Linear-Linear-Linear

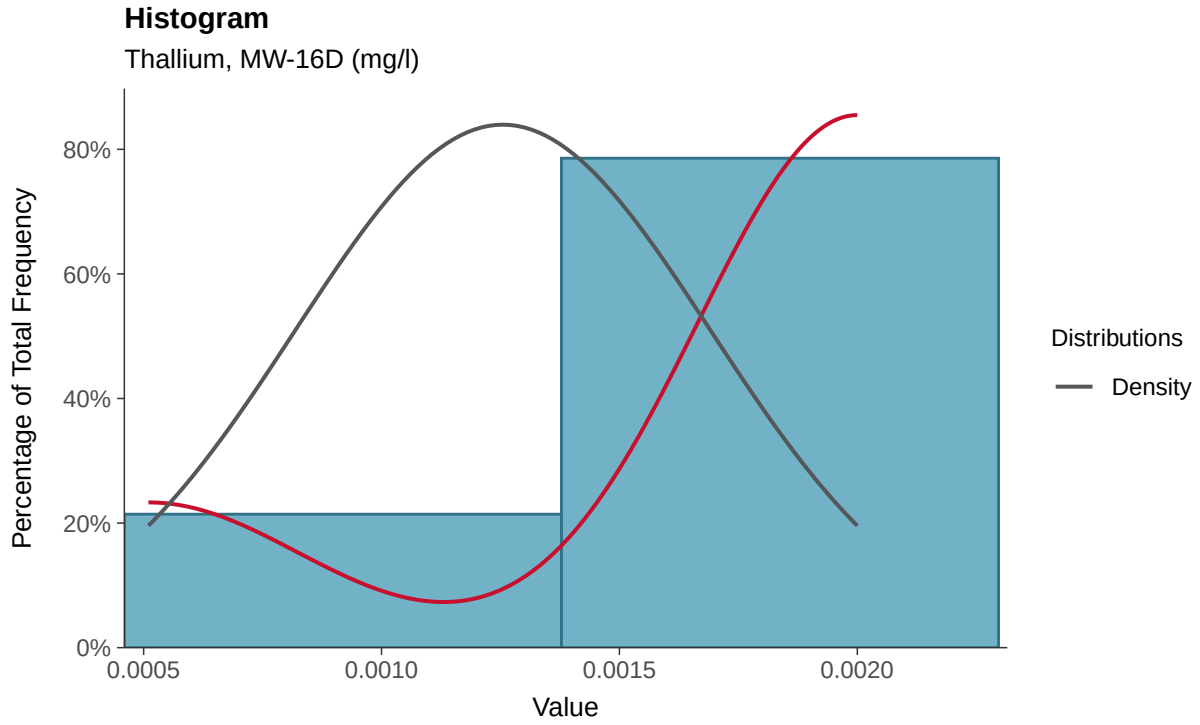
Selenium, MW-16D (mg/l)



Appendix IV: Thallium, MW-16D

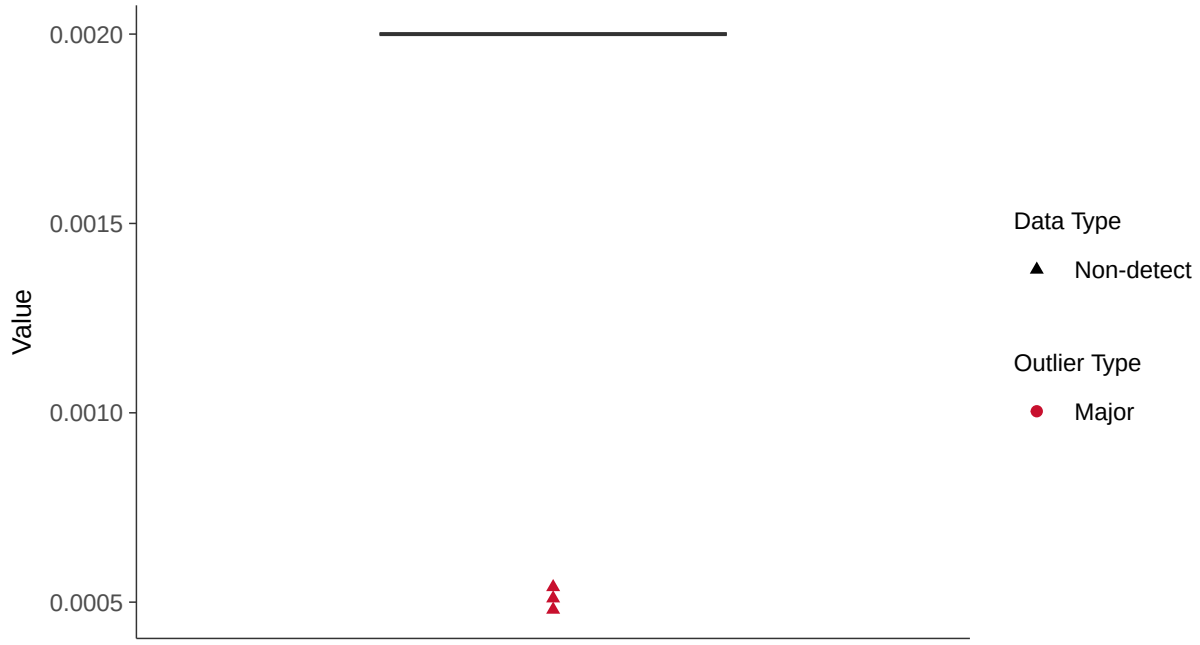
ID: 13_3_125





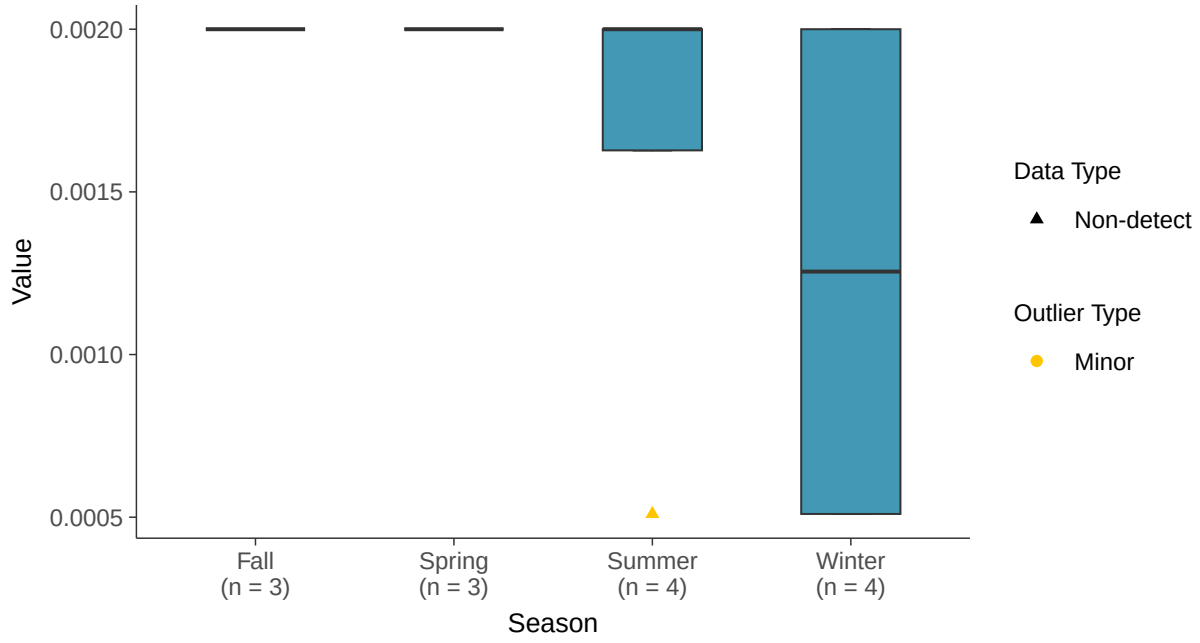
Boxplot

Thallium, MW-16D (mg/l)



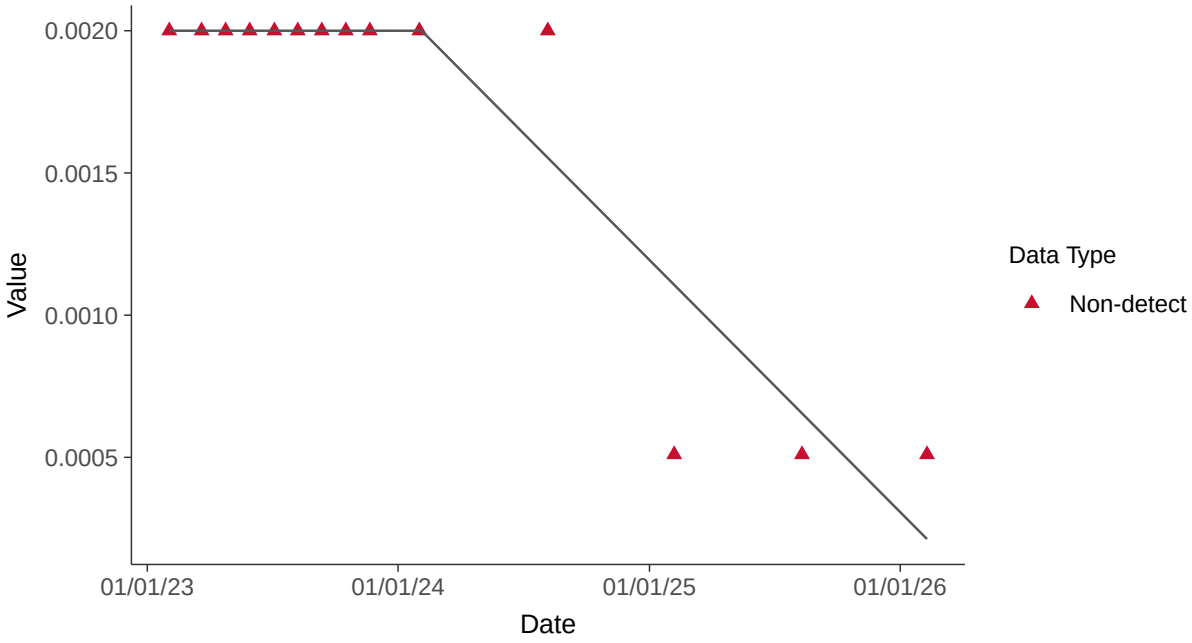
Boxplot by Season

Thallium, MW-16D (mg/l)



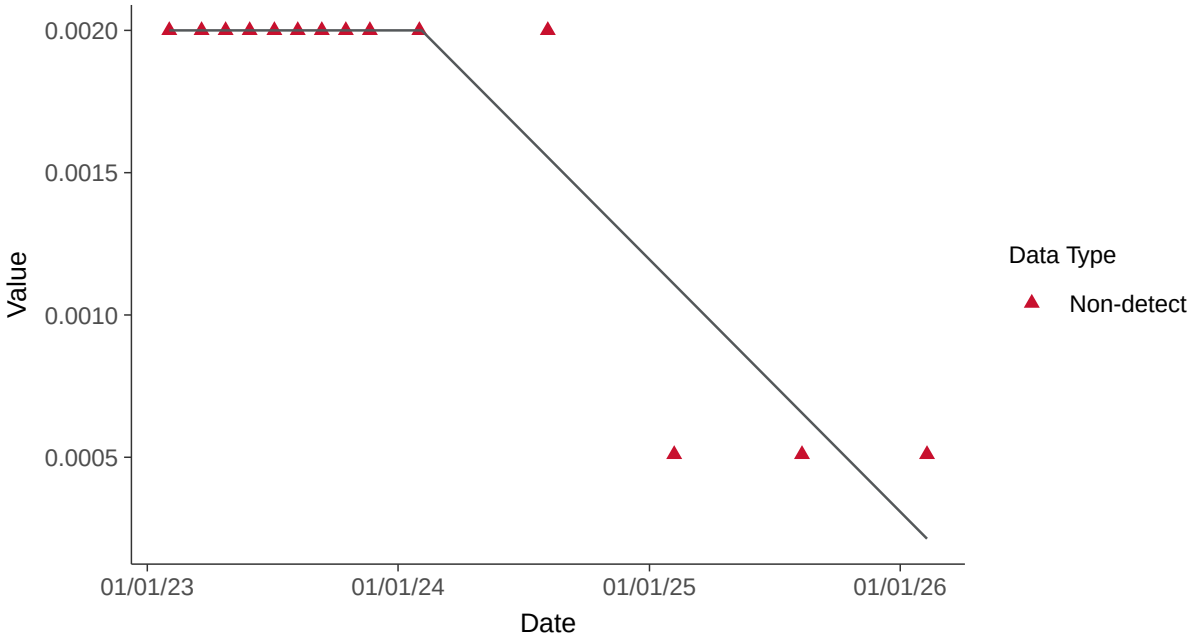
Trend Regression: Piecewise Linear-Linear

Thallium, MW-16D (mg/l)



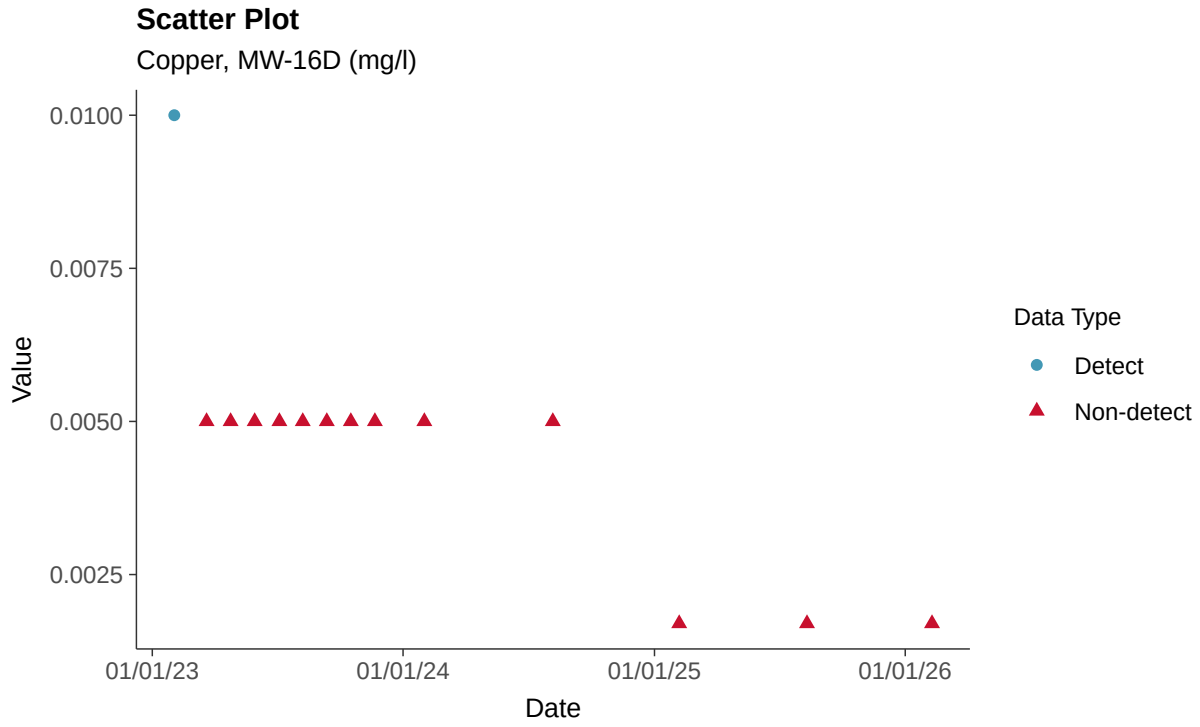
Trend Regression: Piecewise Linear-Linear-Linear

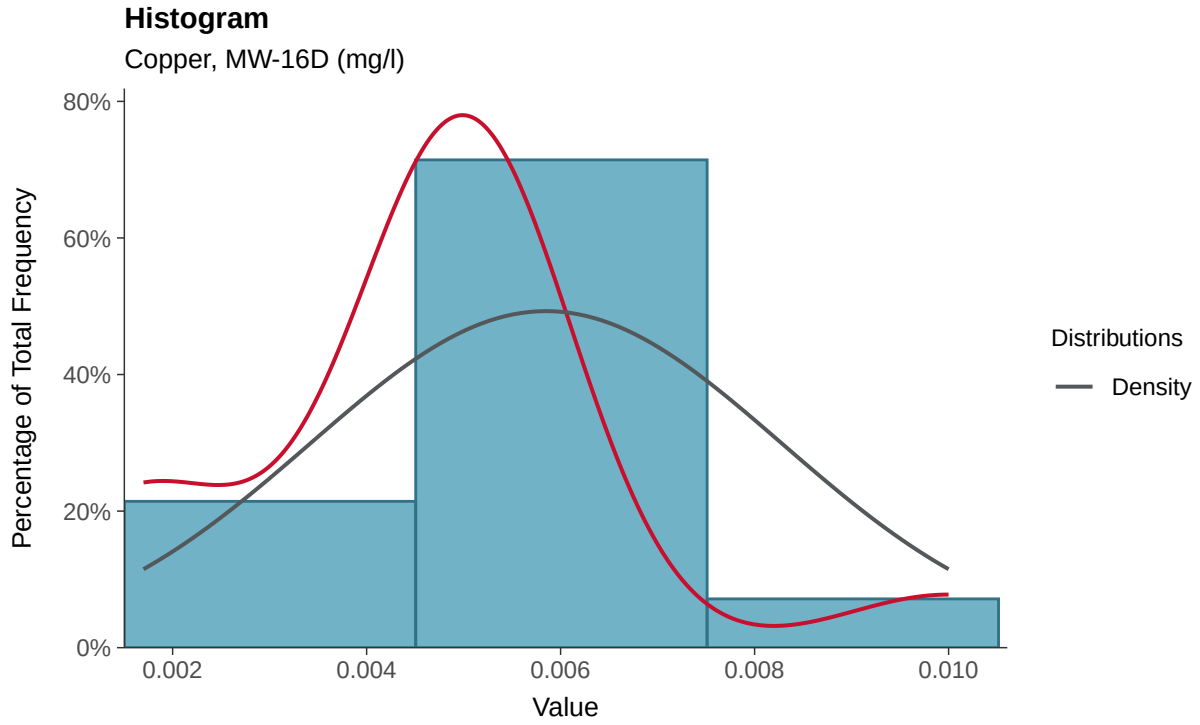
Thallium, MW-16D (mg/l)



Part 115: Copper, MW-16D

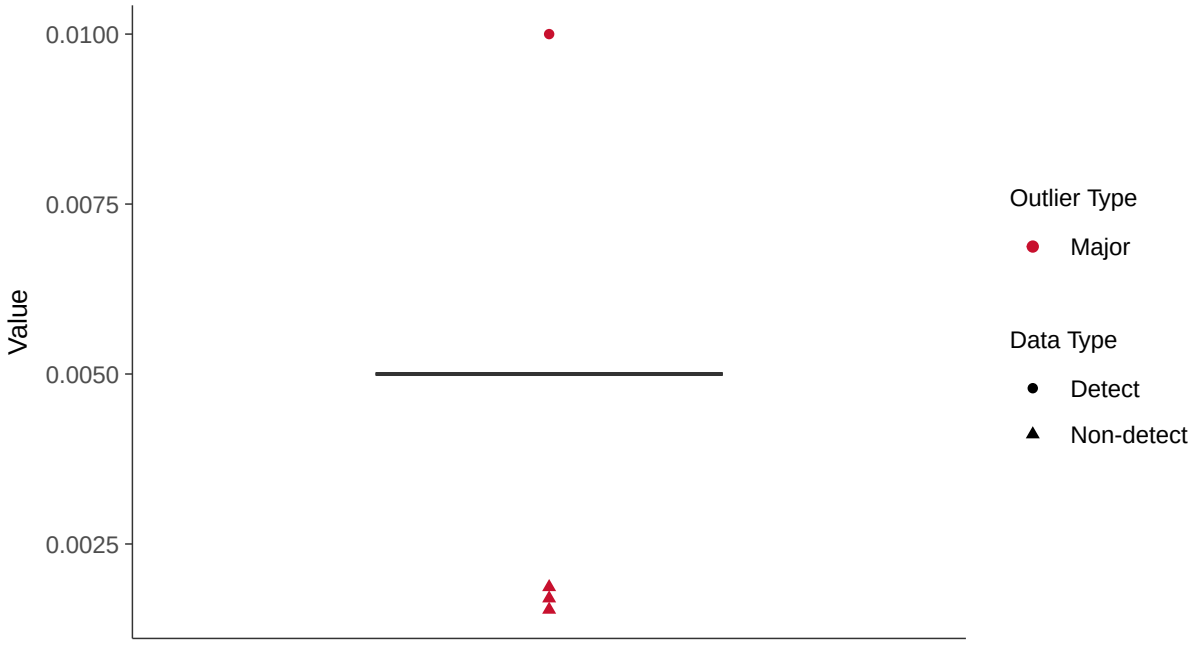
ID: 13_5_111





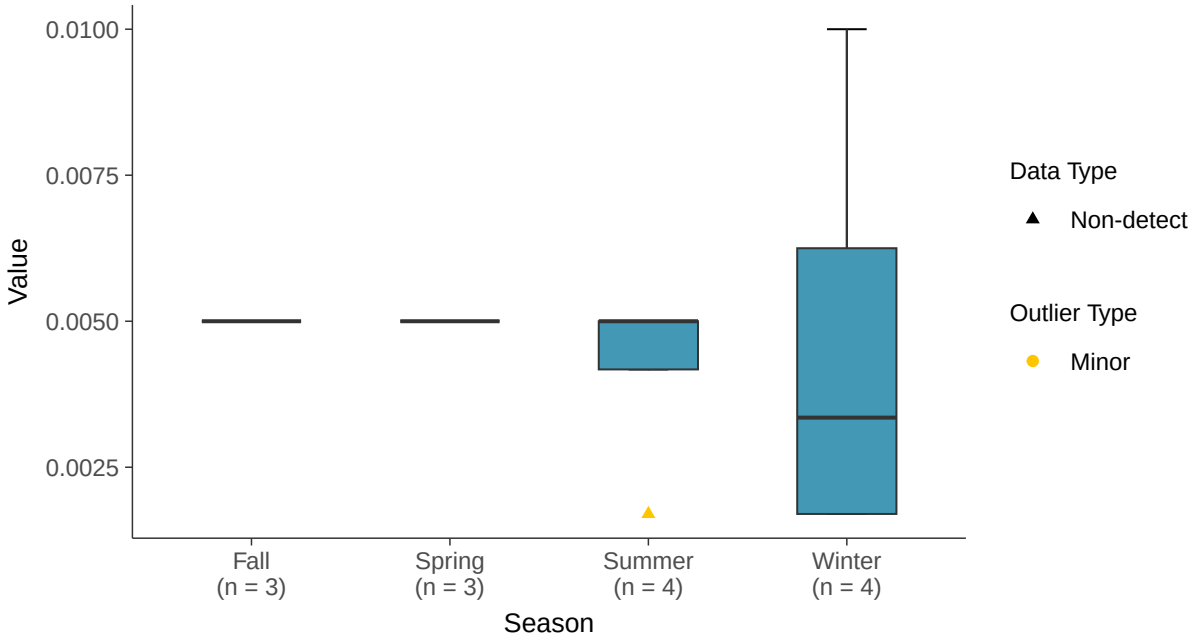
Boxplot

Copper, MW-16D (mg/l)



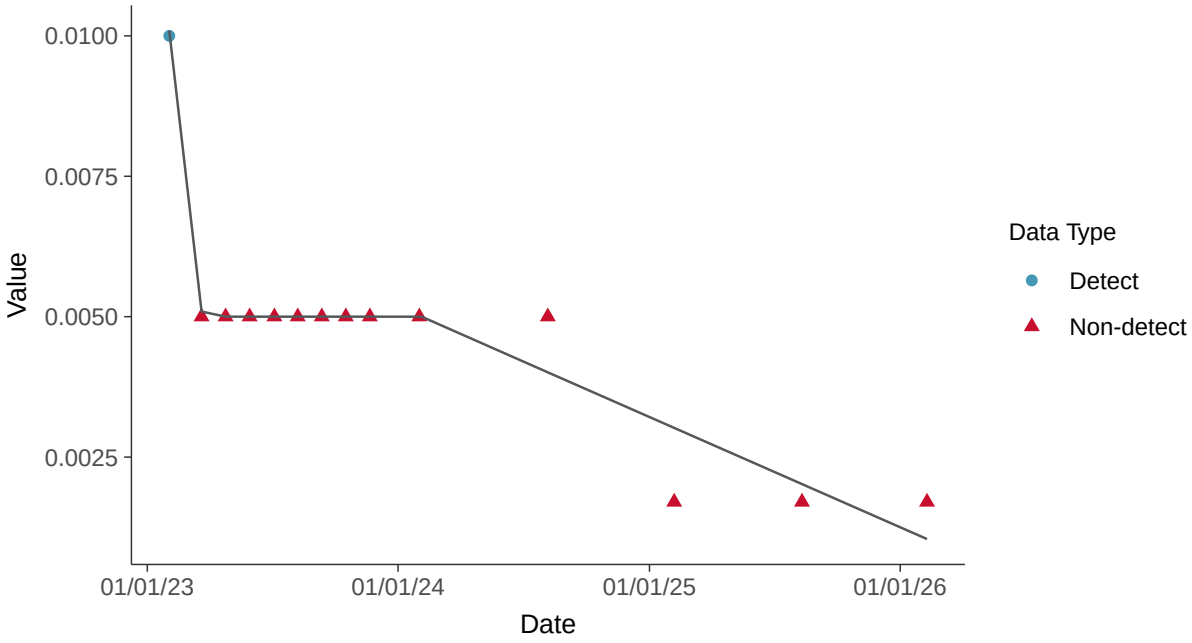
Boxplot by Season

Copper, MW-16D (mg/l)



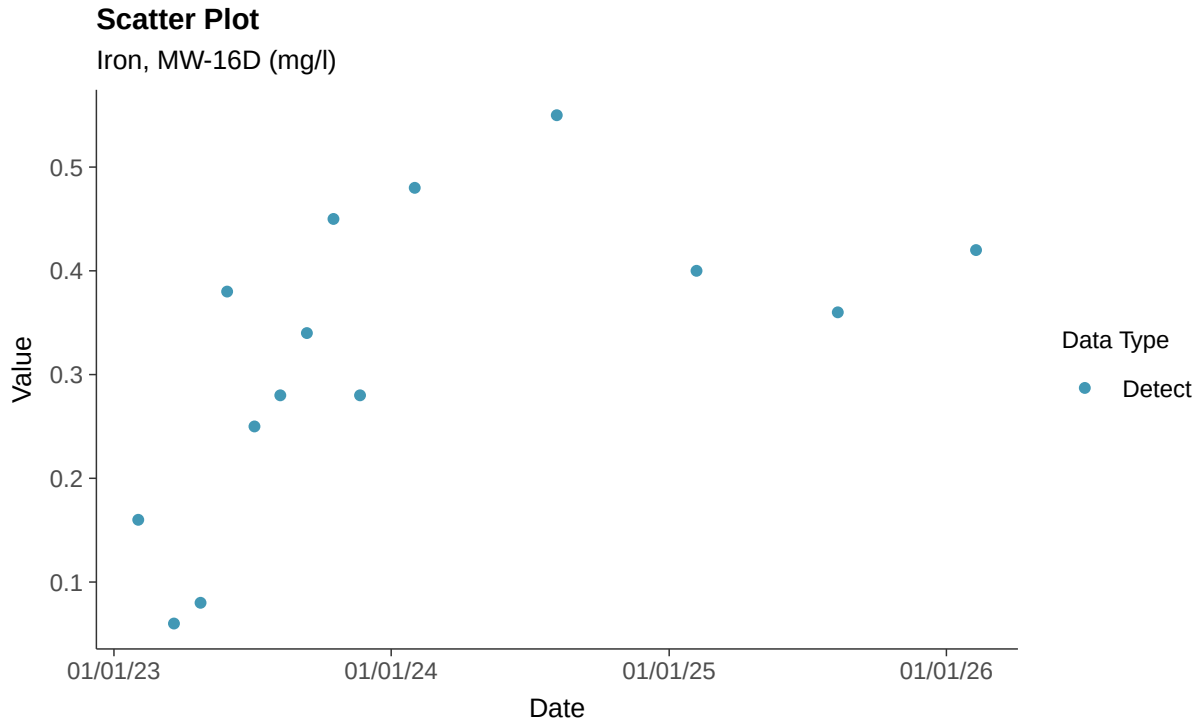
Trend Regression: Piecewise Linear-Linear-Linear

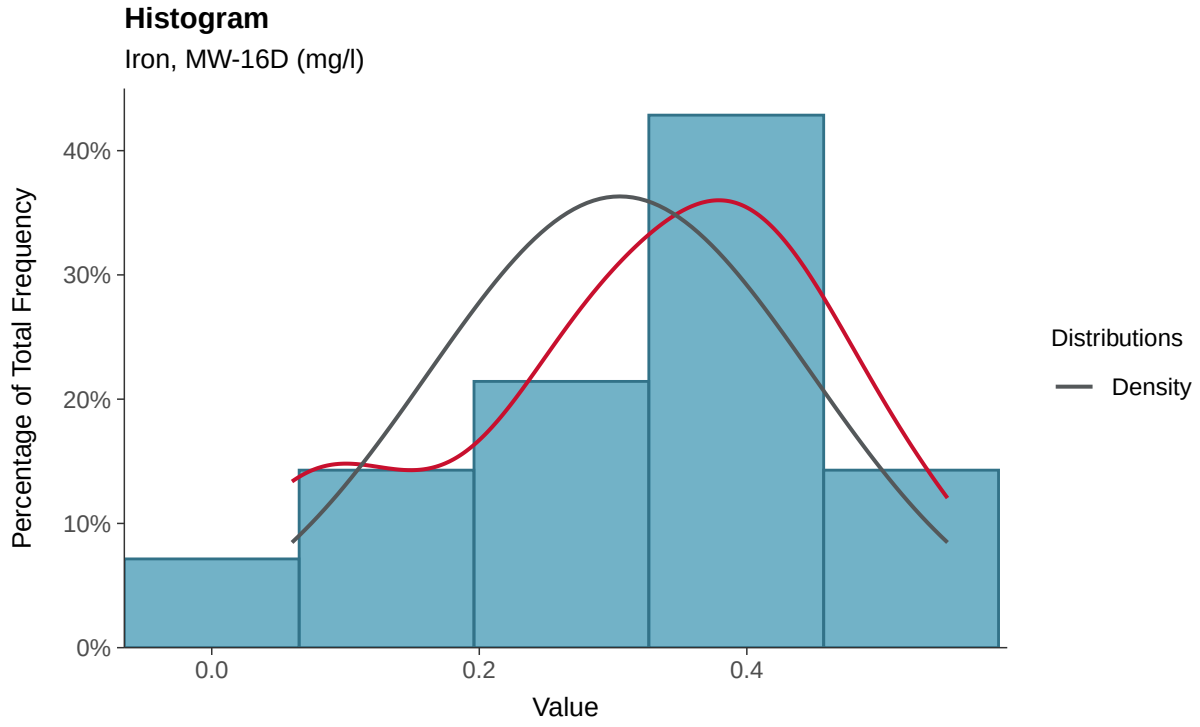
Copper, MW-16D (mg/l)



Part 115: Iron, MW-16D

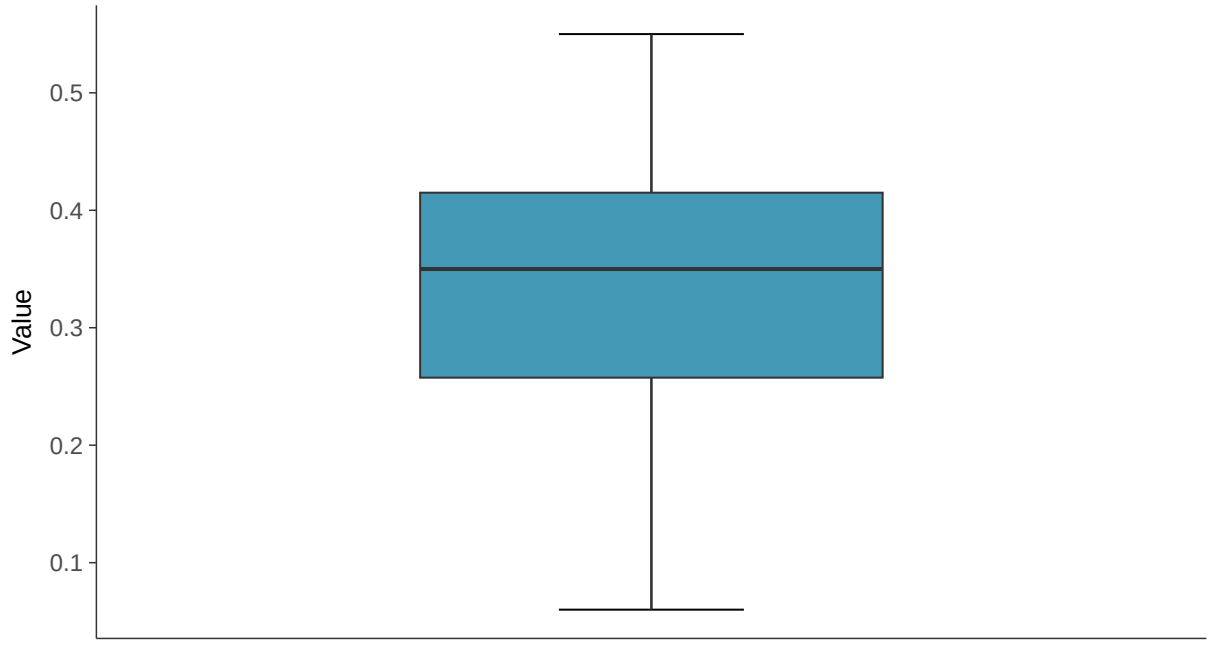
ID: 13_5_114





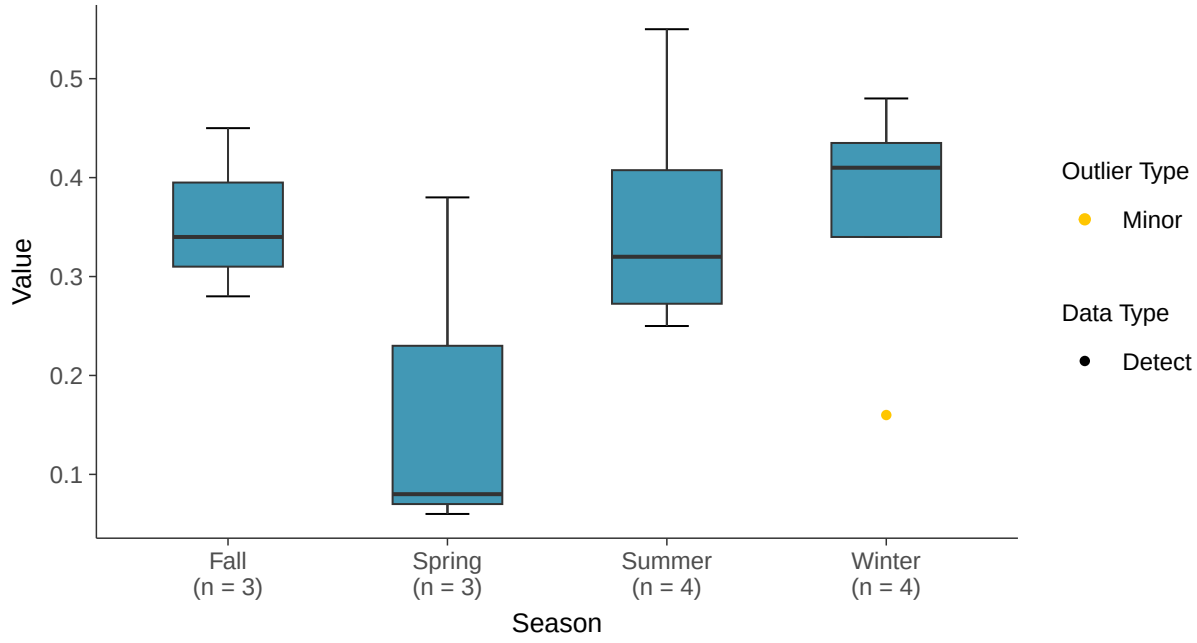
Boxplot

Iron, MW-16D (mg/l)



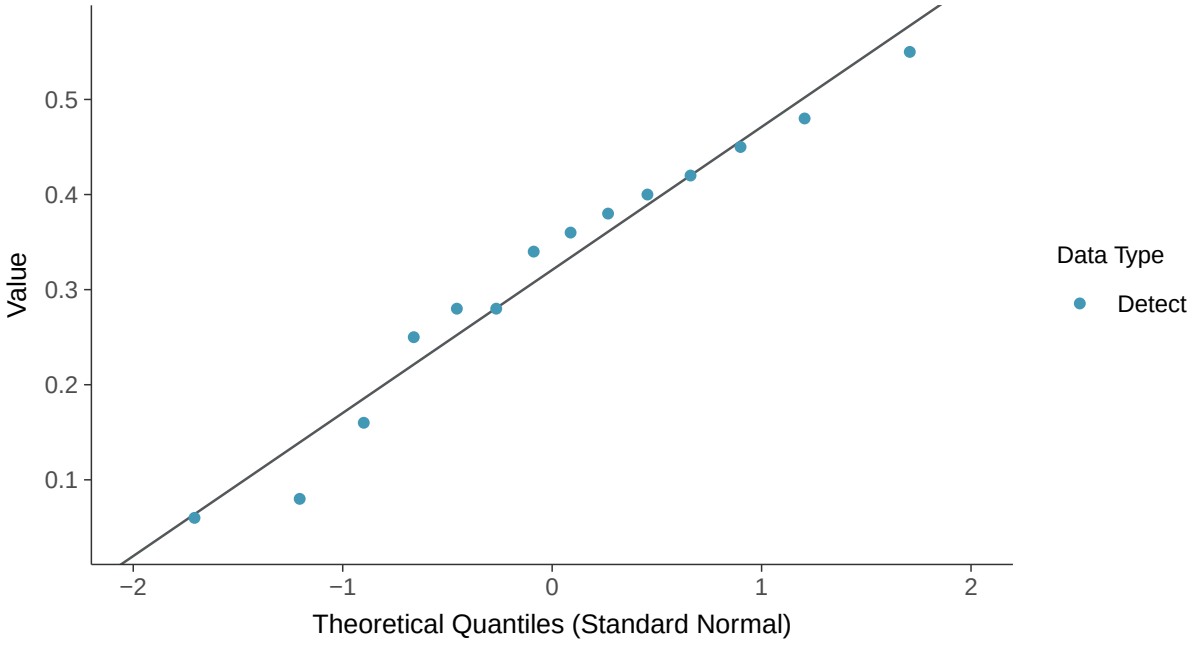
Boxplot by Season

Iron, MW-16D (mg/l)



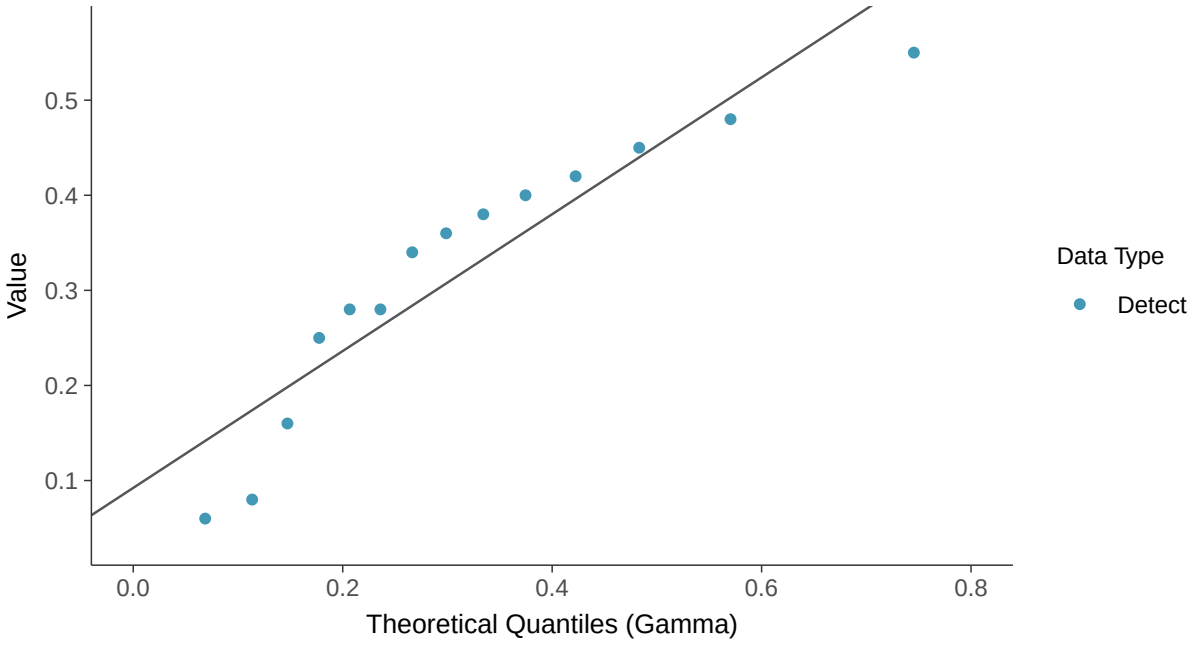
Normal Q-Q plot

Iron, MW-16D (mg/l)



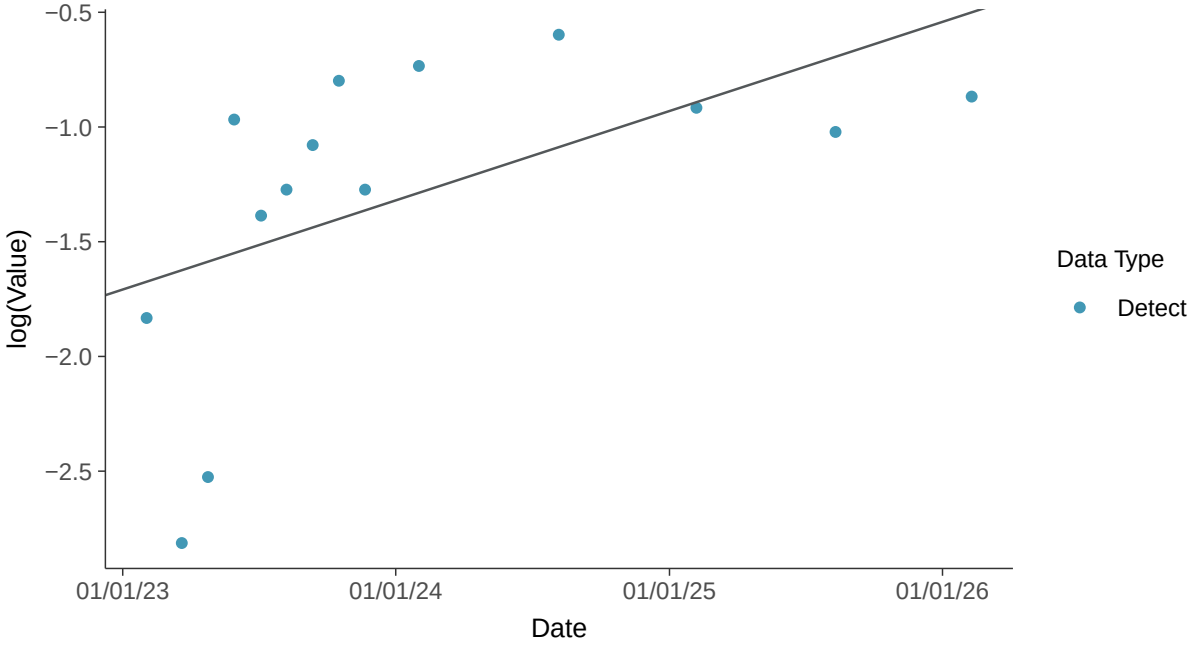
Gamma Q-Q plot

Iron, MW-16D (mg/l)



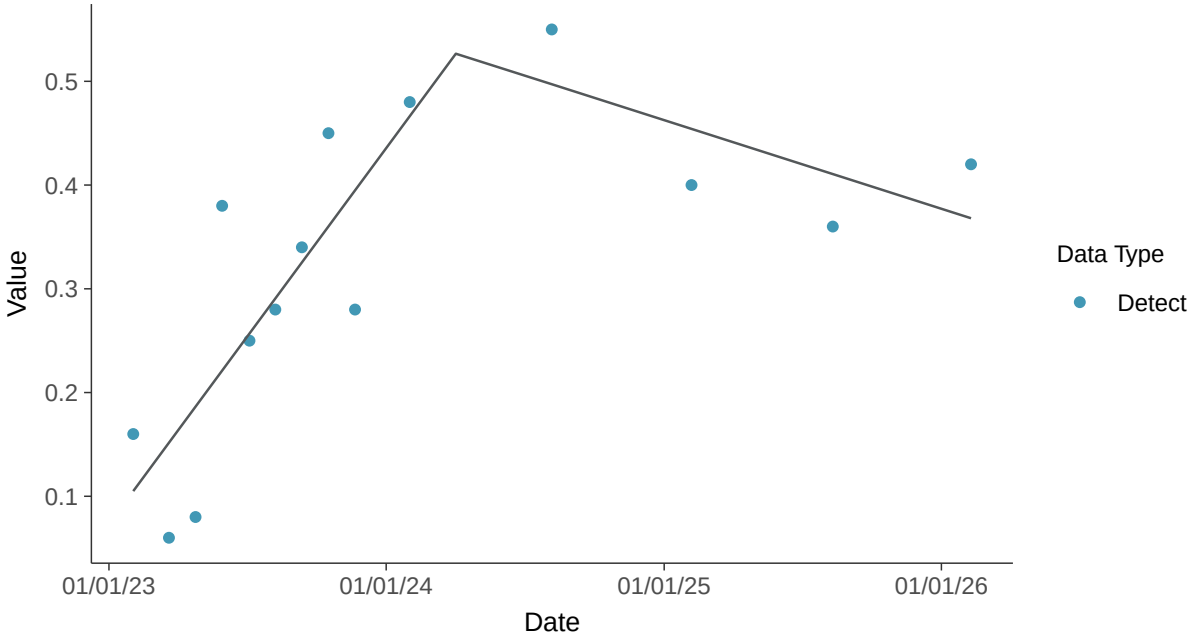
Trend Regression: Lognormal MLE

Iron, MW-16D (mg/l)



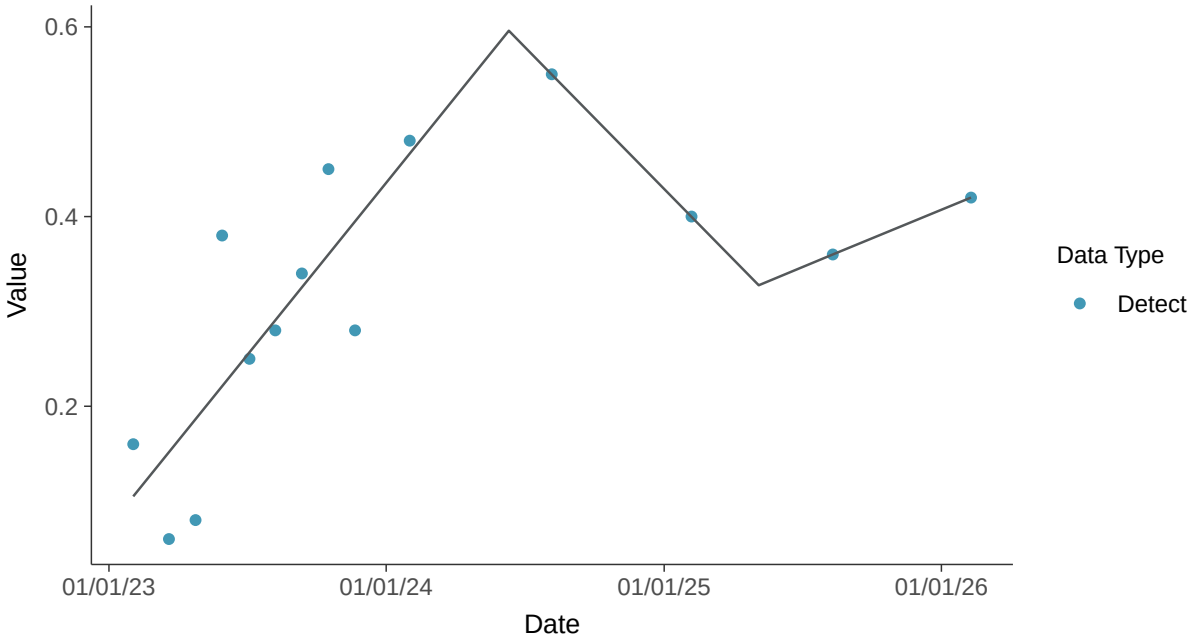
Trend Regression: Piecewise Linear-Linear

Iron, MW-16D (mg/l)



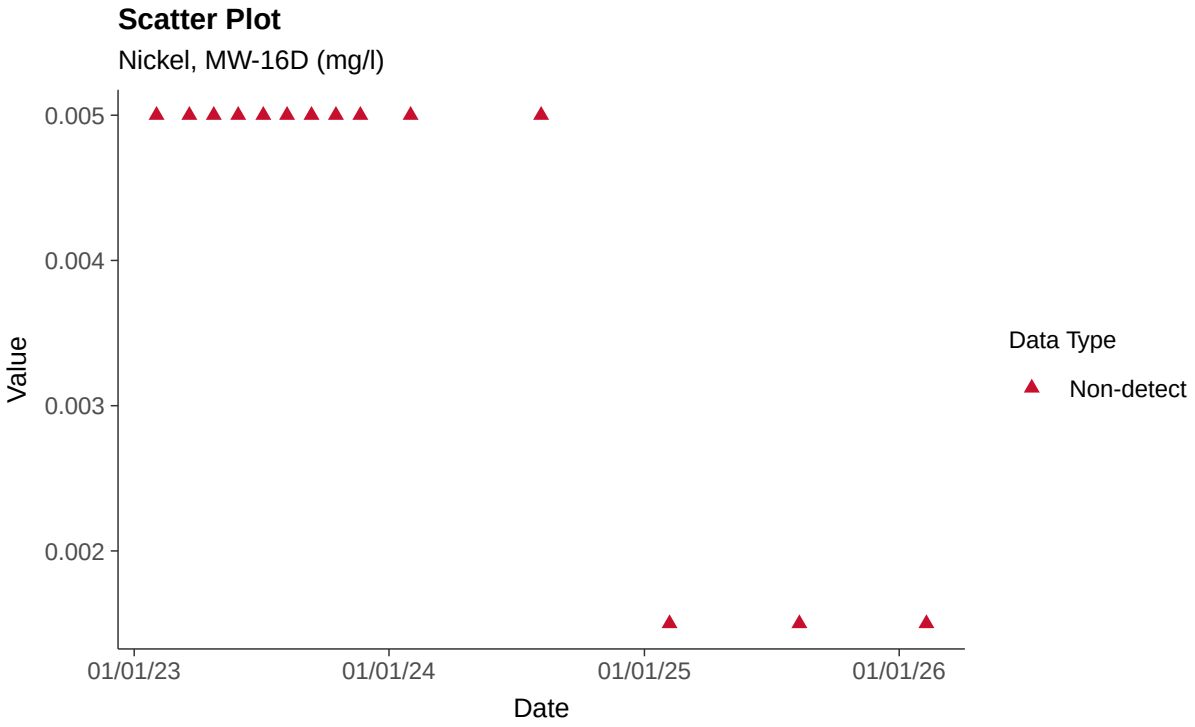
Trend Regression: Piecewise Linear-Linear-Linear

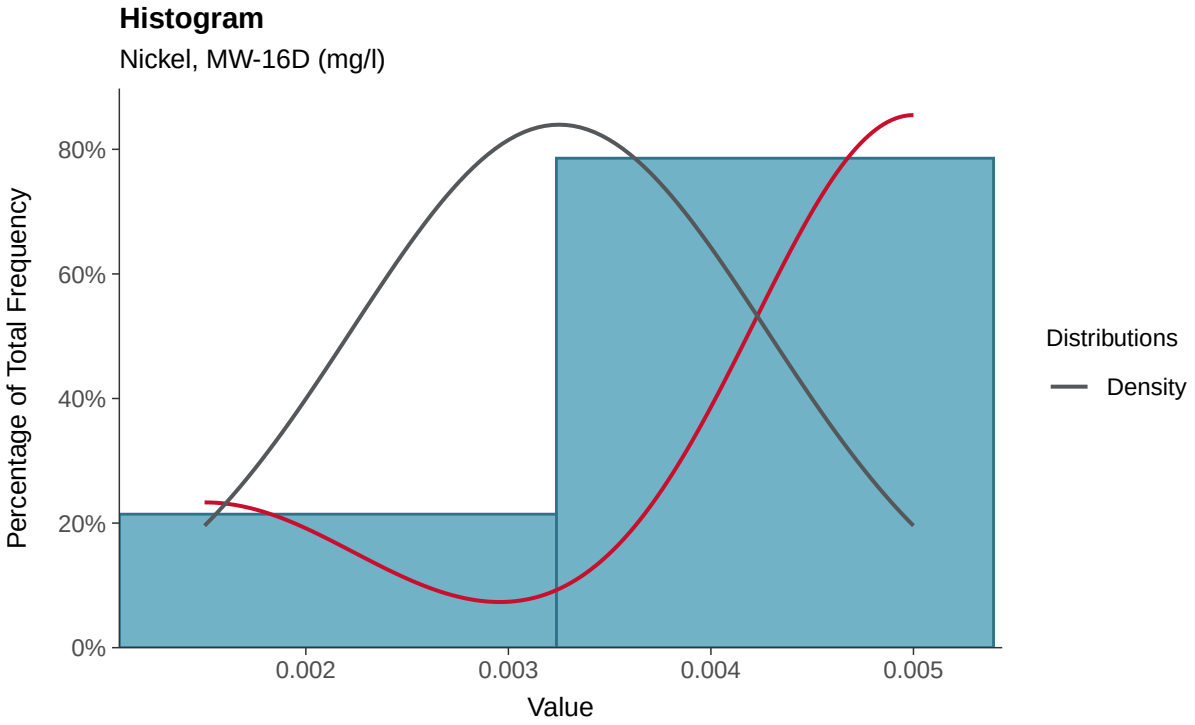
Iron, MW-16D (mg/l)



Part 115: Nickel, MW-16D

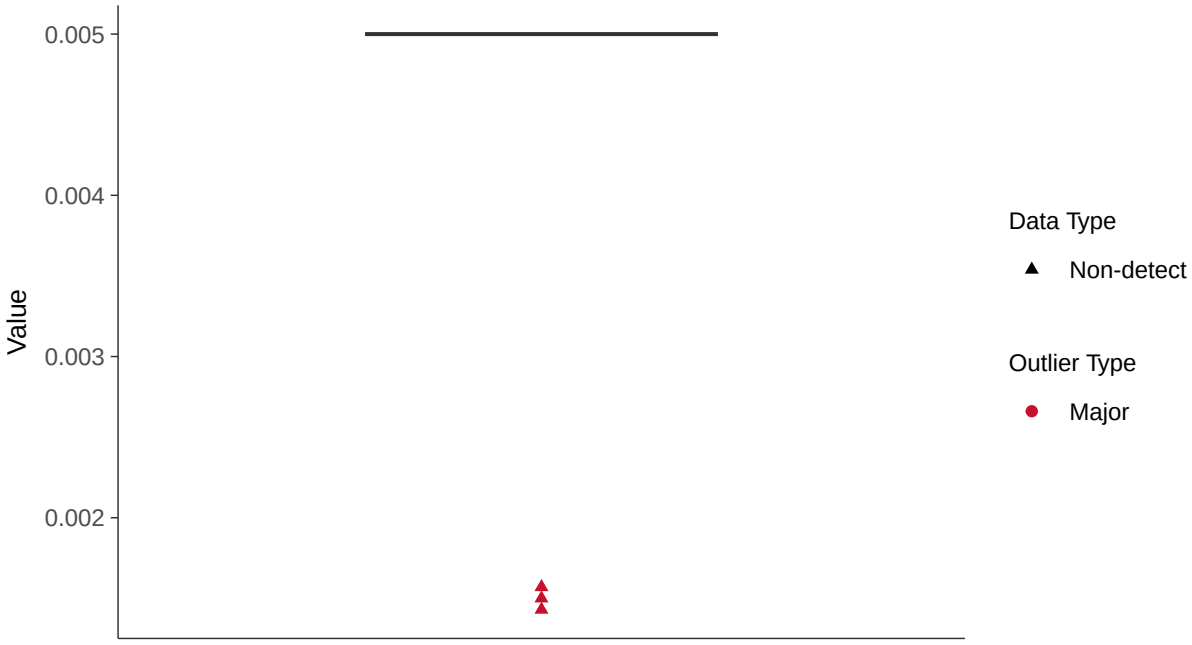
ID: 13_5_119





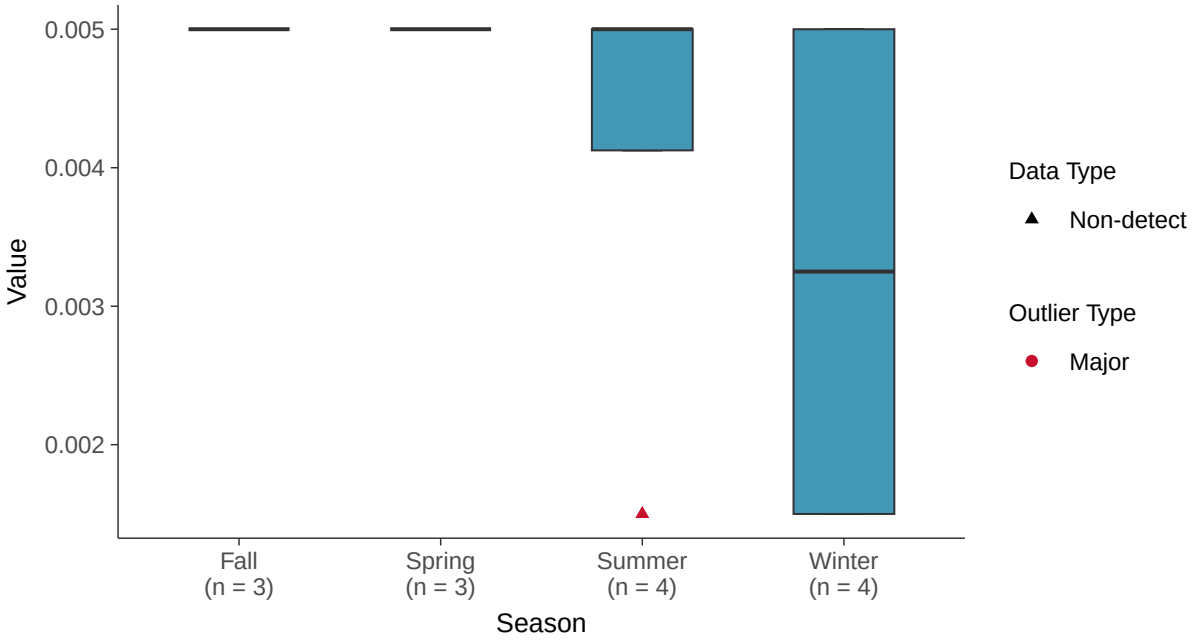
Boxplot

Nickel, MW-16D (mg/l)



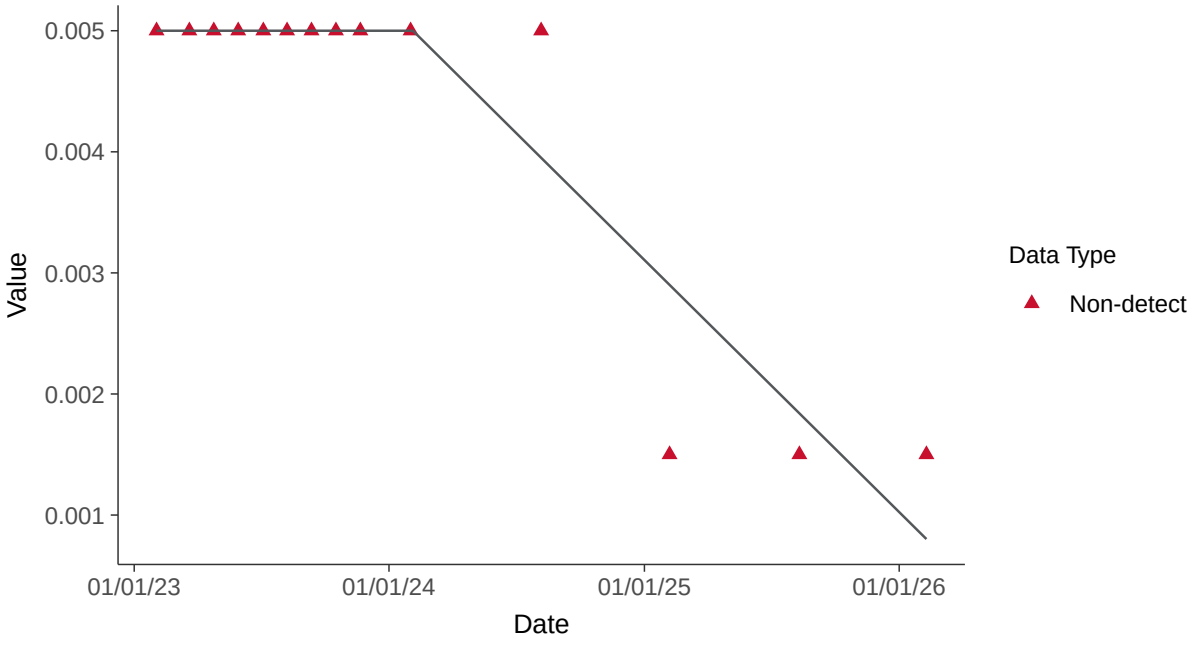
Boxplot by Season

Nickel, MW-16D (mg/l)



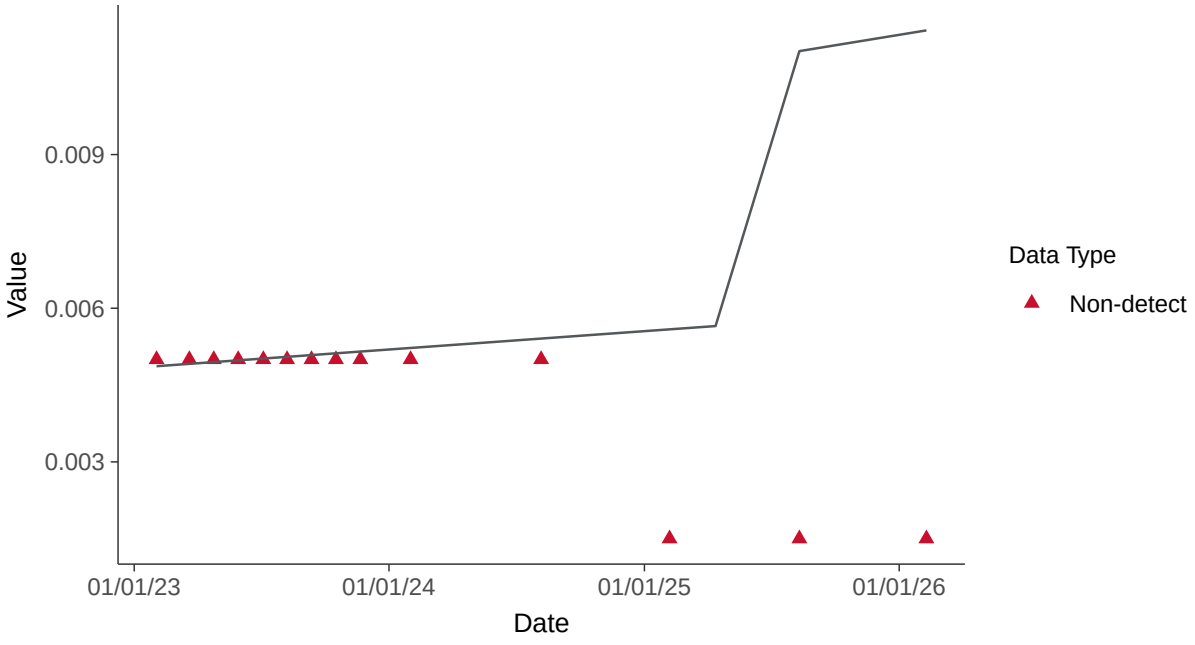
Trend Regression: Piecewise Linear-Linear

Nickel, MW-16D (mg/l)



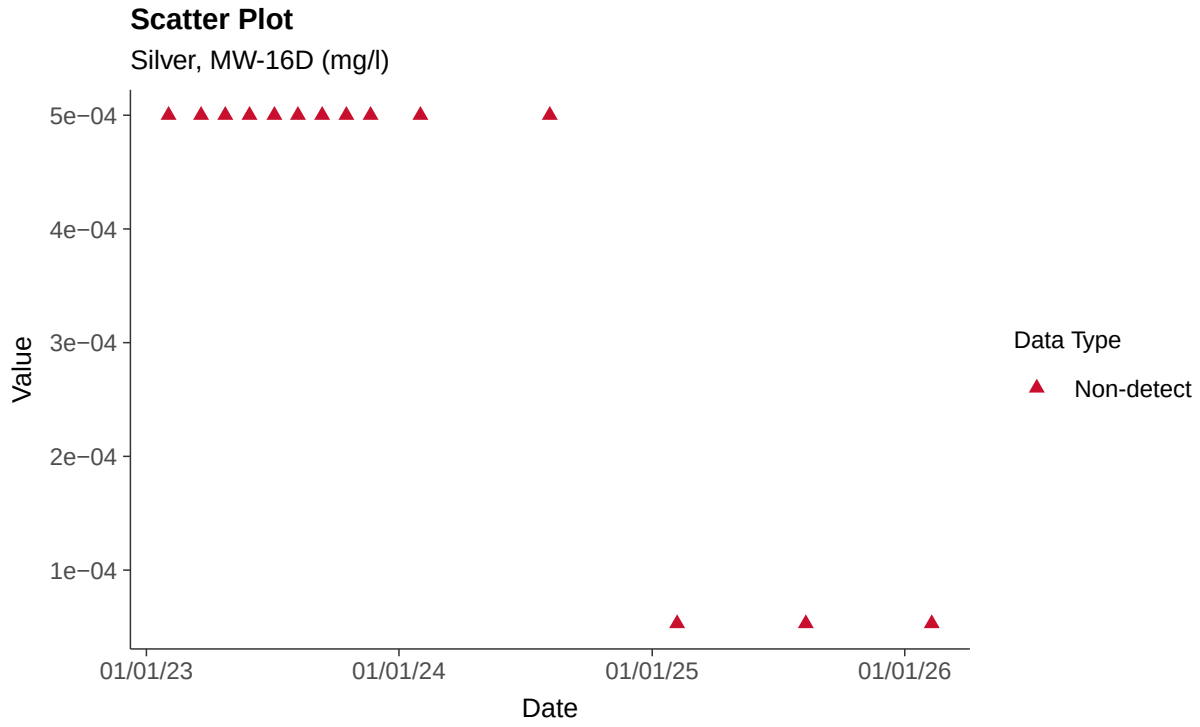
Trend Regression: Piecewise Linear-Linear-Linear

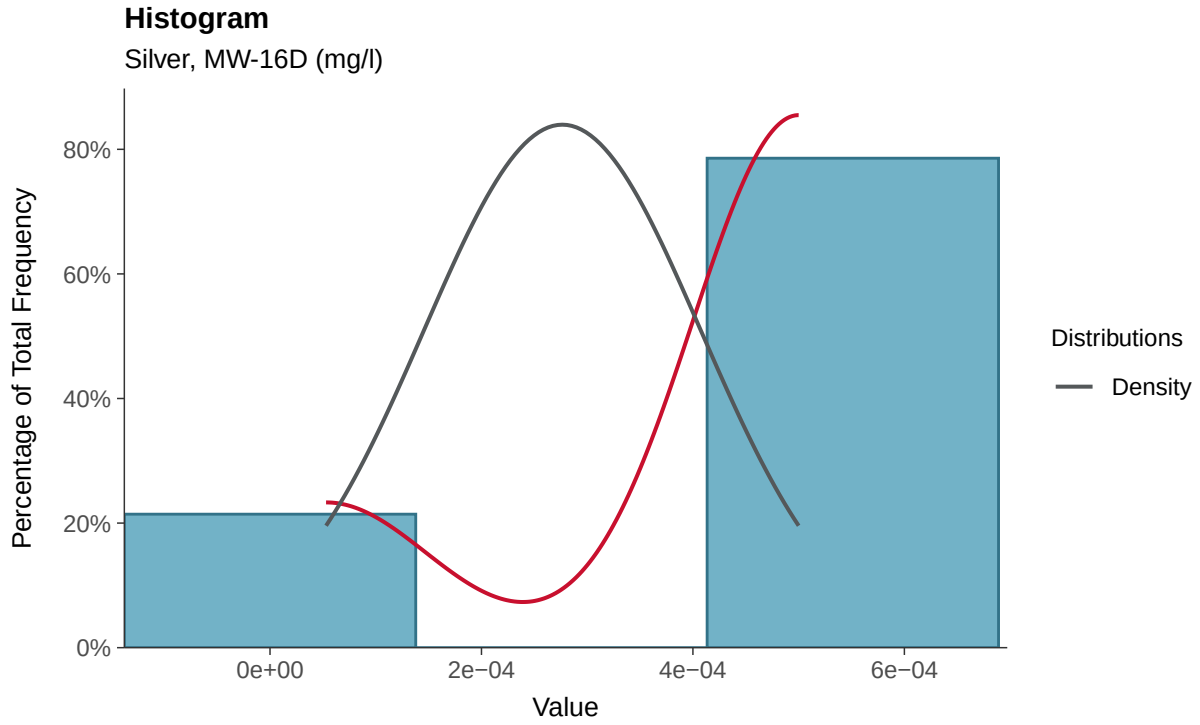
Nickel, MW-16D (mg/l)



Part 115: Silver, MW-16D

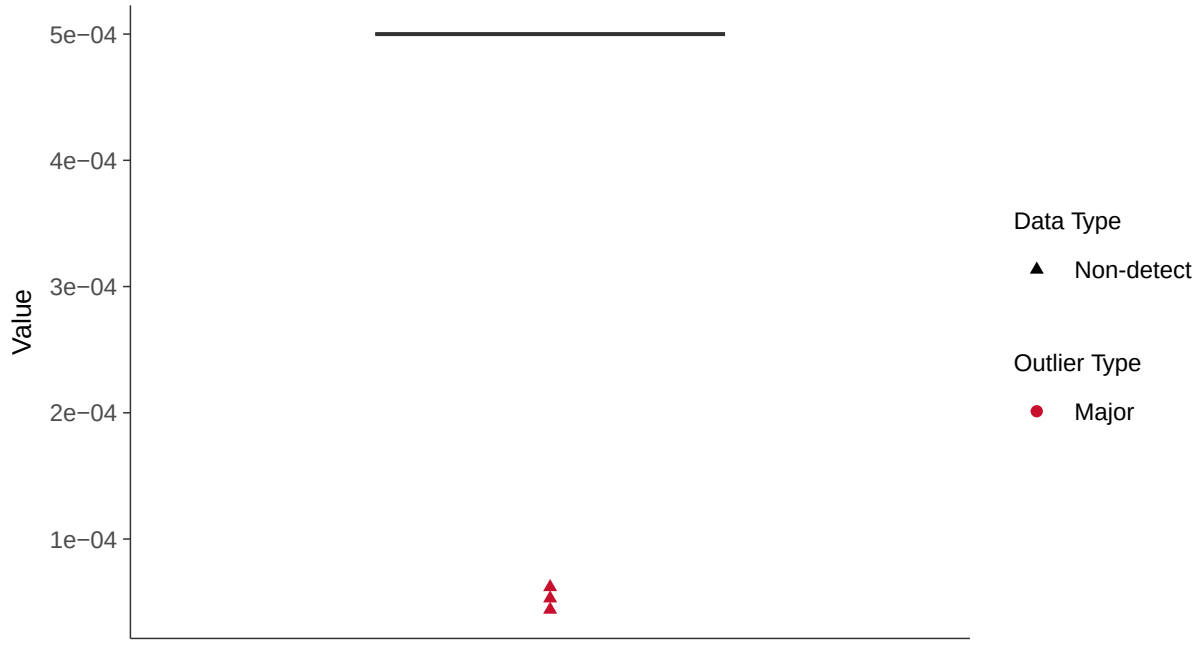
ID: 13_5_123





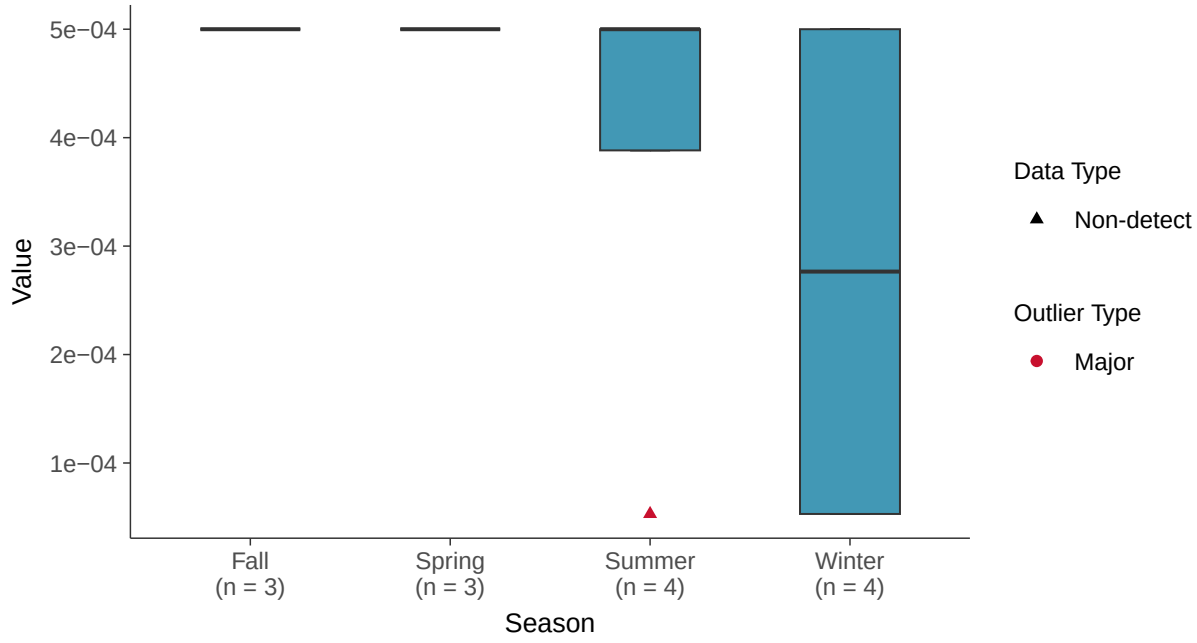
Boxplot

Silver, MW-16D (mg/l)



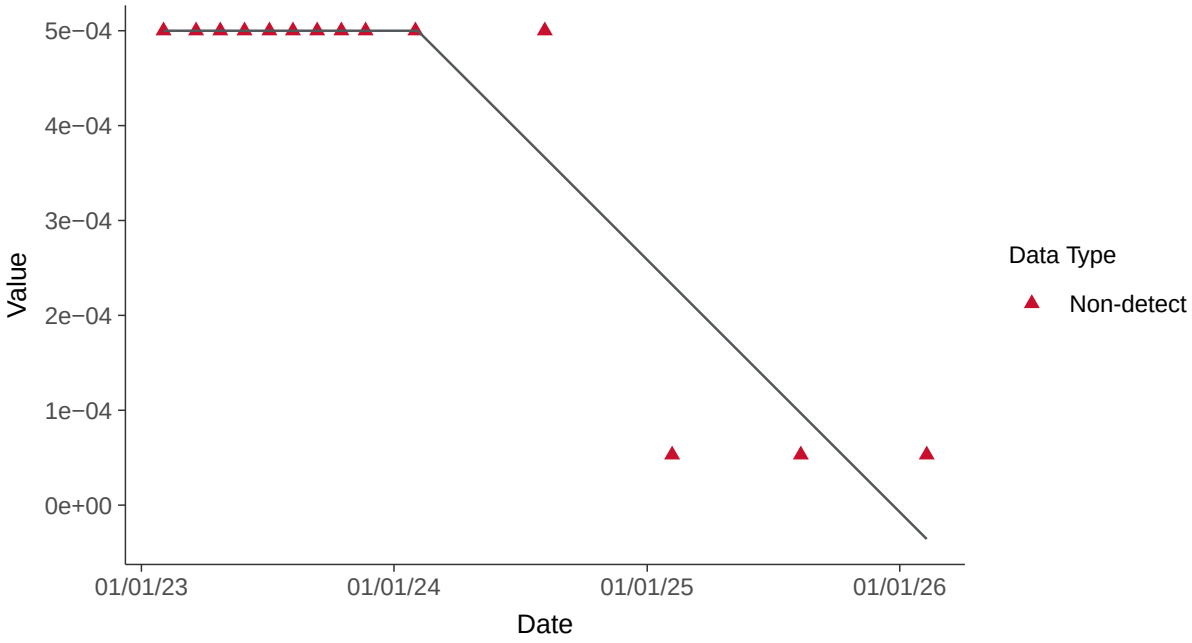
Boxplot by Season

Silver, MW-16D (mg/l)



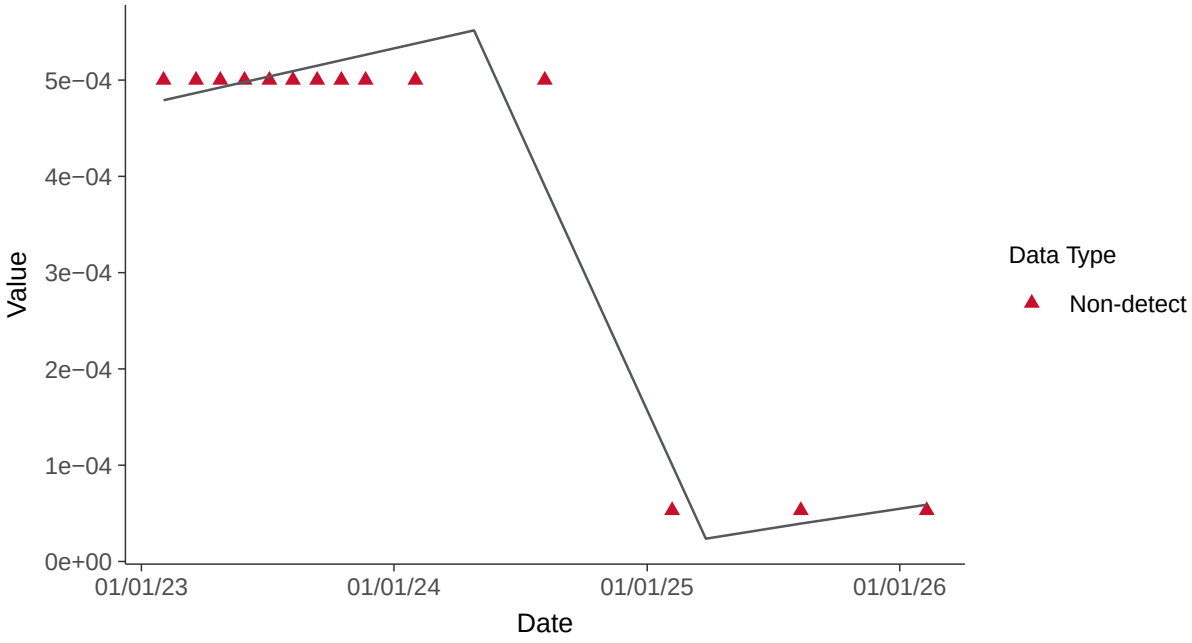
Trend Regression: Piecewise Linear-Linear

Silver, MW-16D (mg/l)



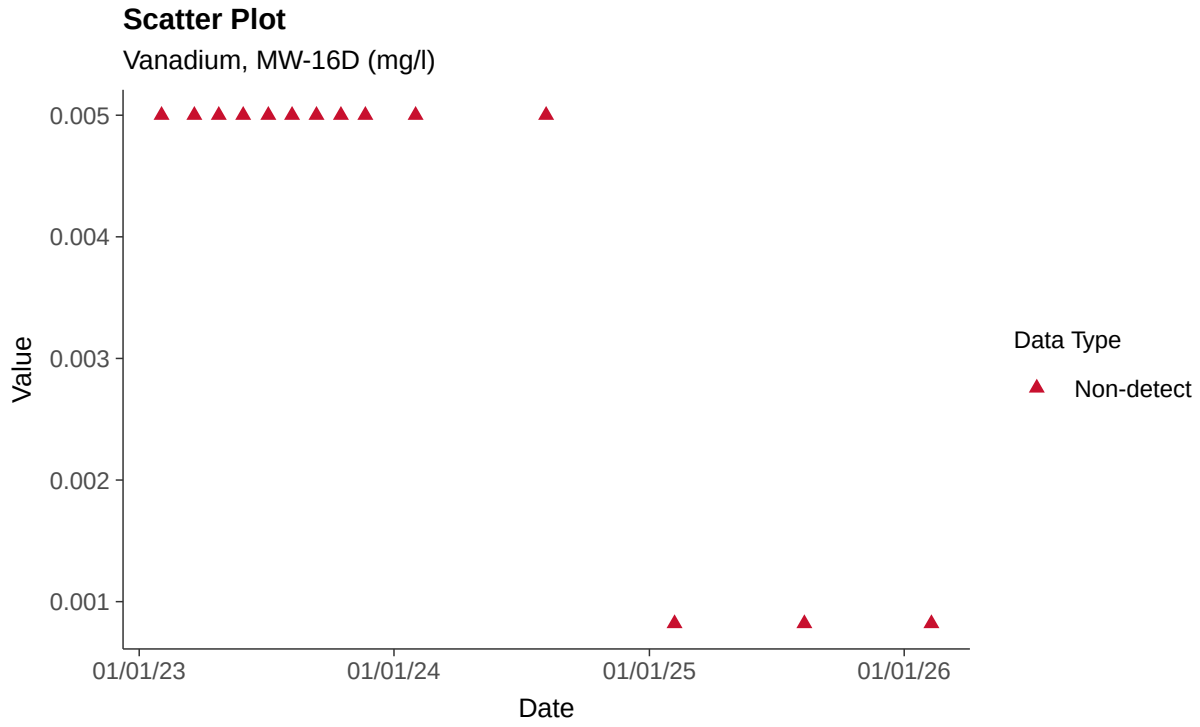
Trend Regression: Piecewise Linear-Linear-Linear

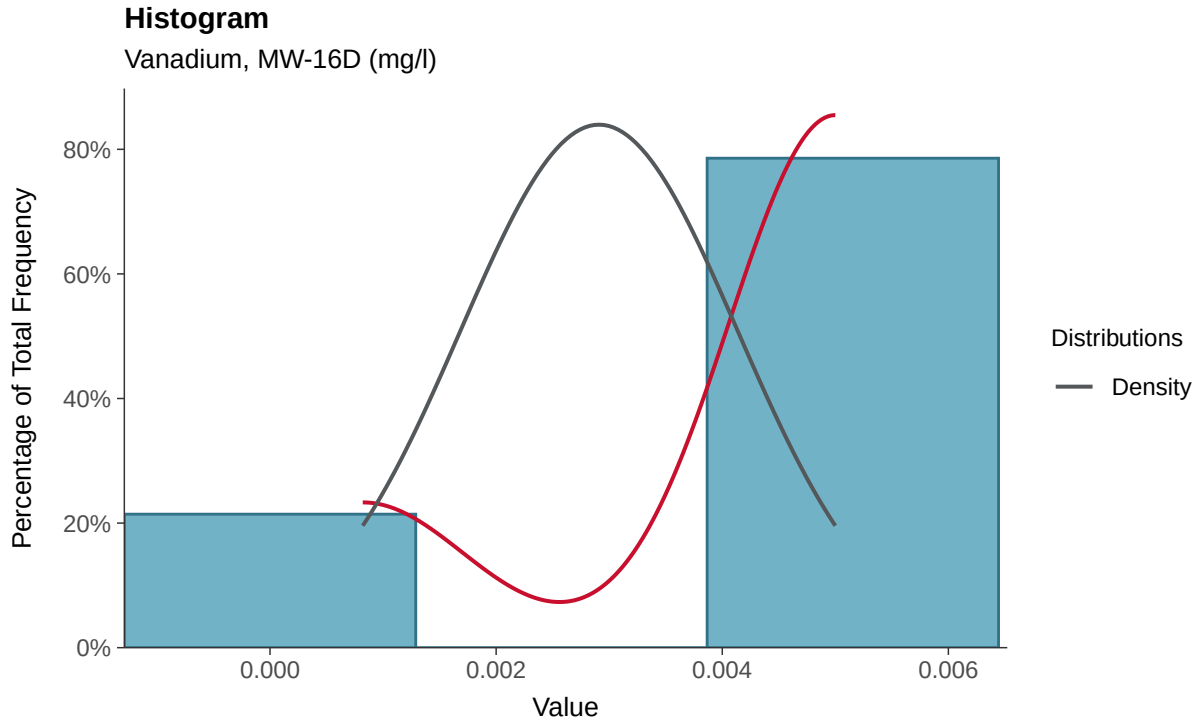
Silver, MW-16D (mg/l)



Part 115: Vanadium, MW-16D

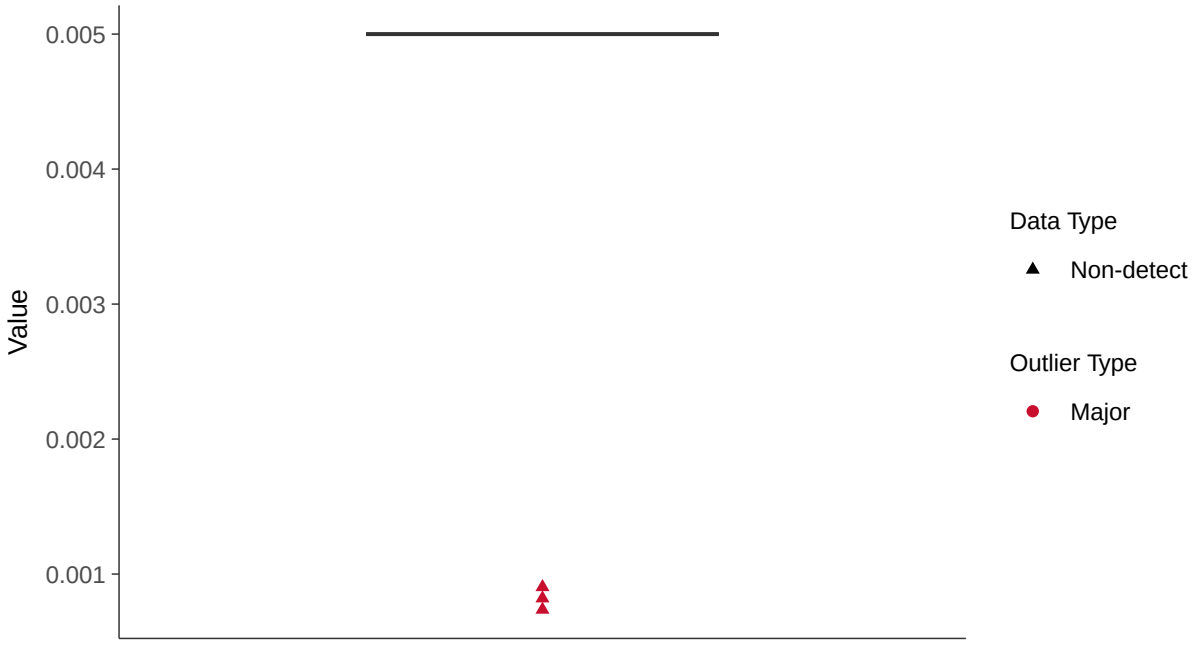
ID: 13_5_128





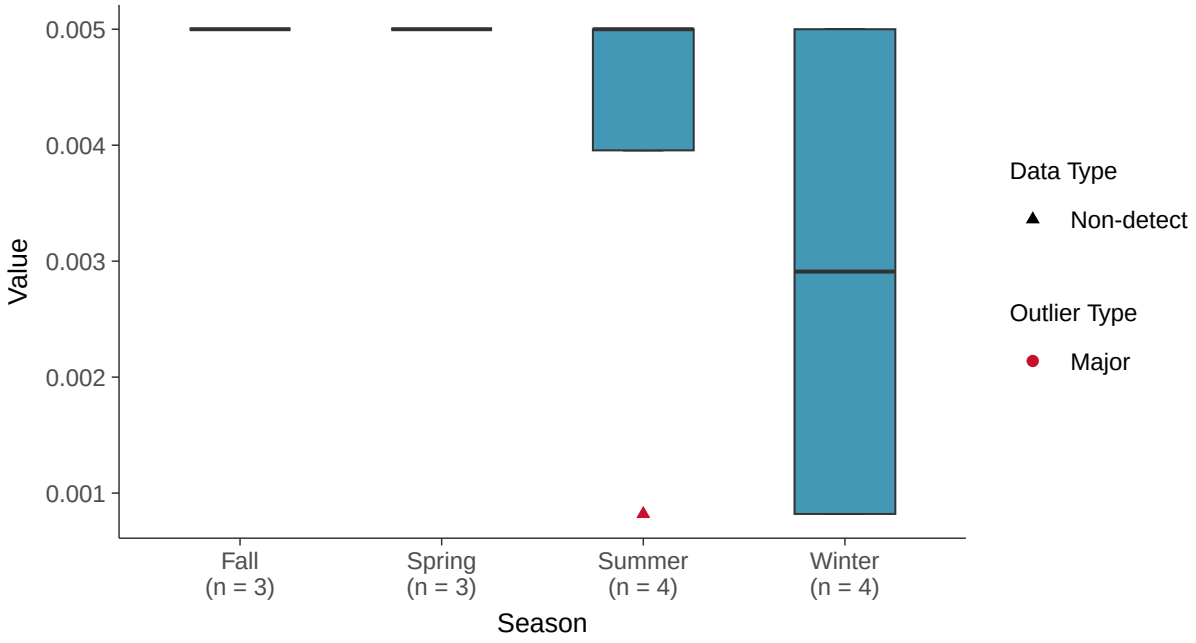
Boxplot

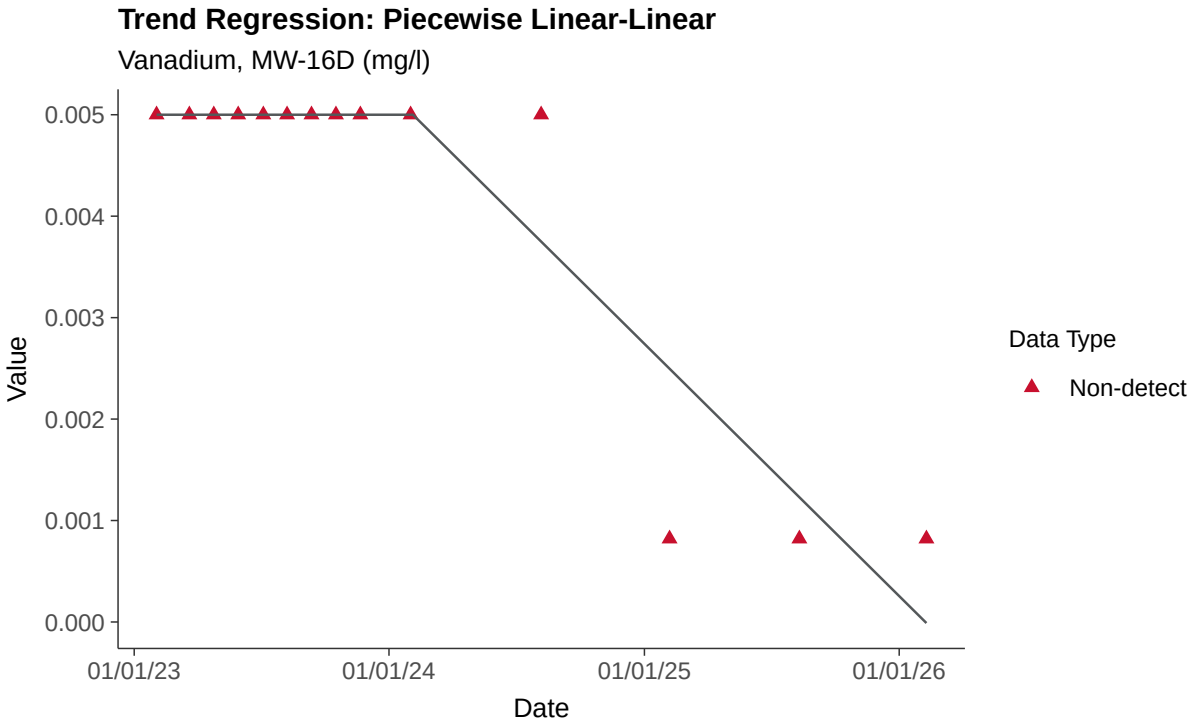
Vanadium, MW-16D (mg/l)



Boxplot by Season

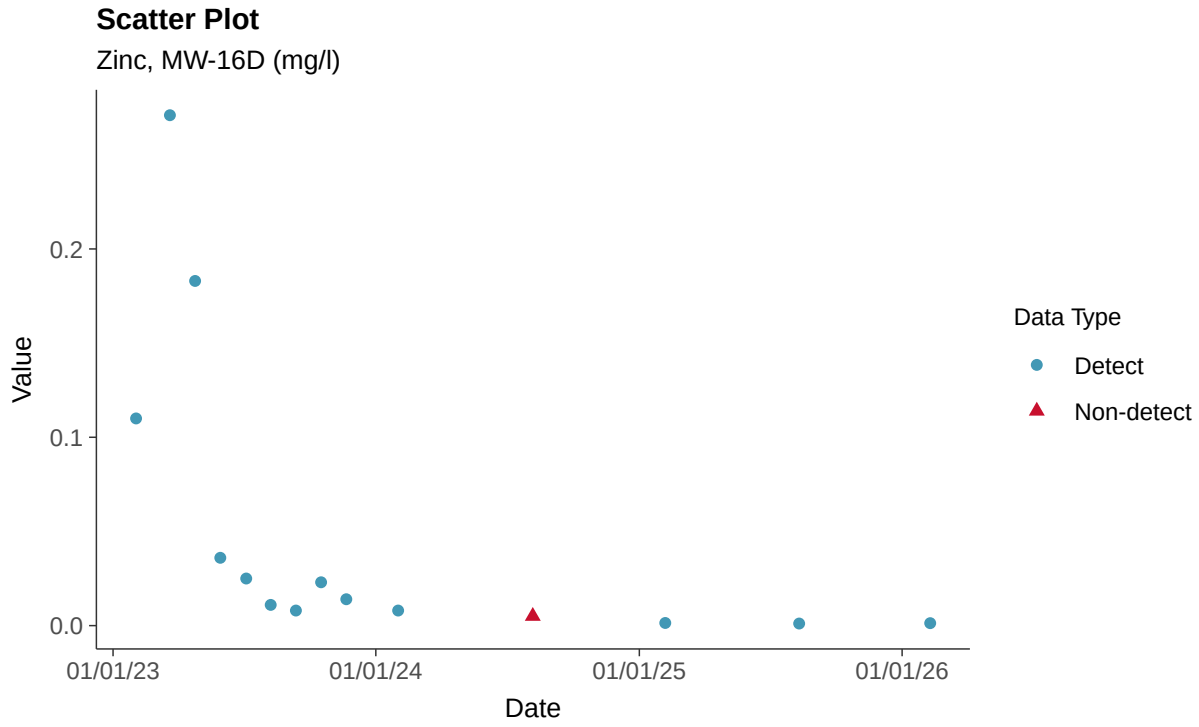
Vanadium, MW-16D (mg/l)

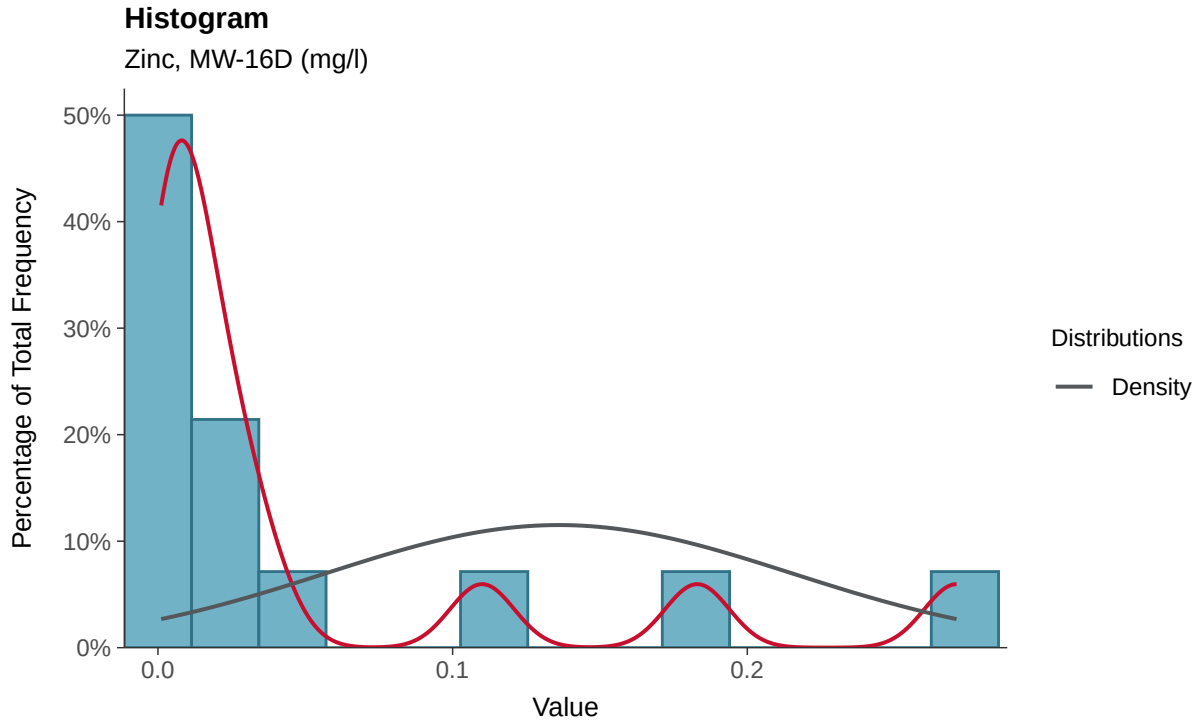



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-16D (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-16D

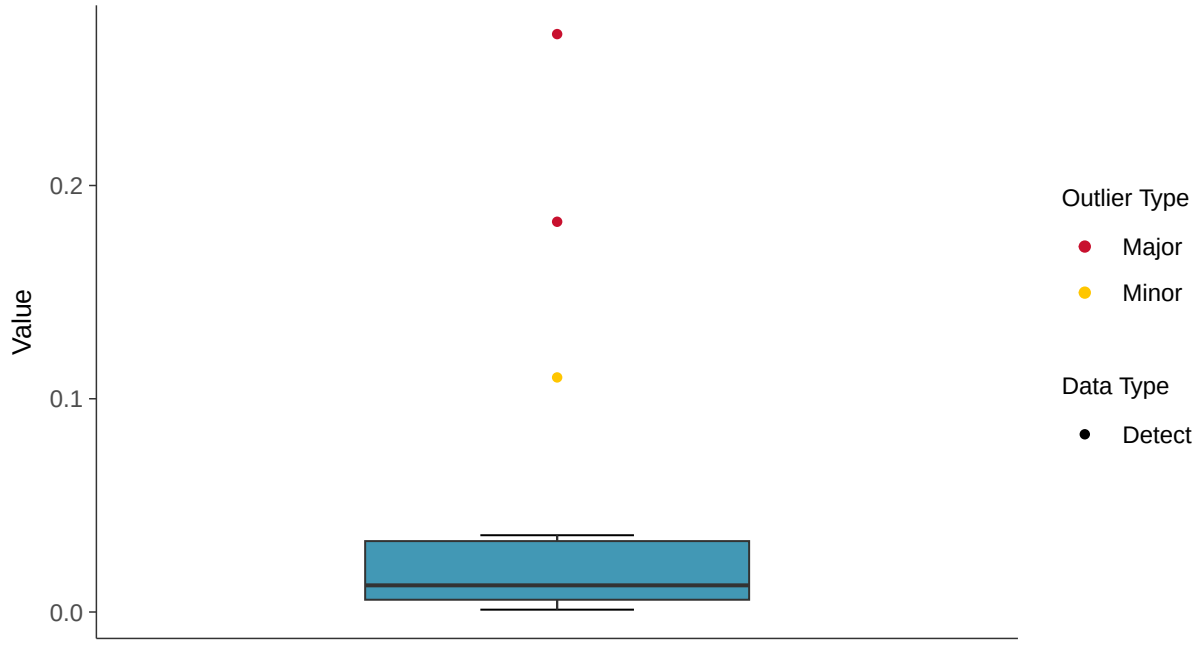
ID: 13_5_129





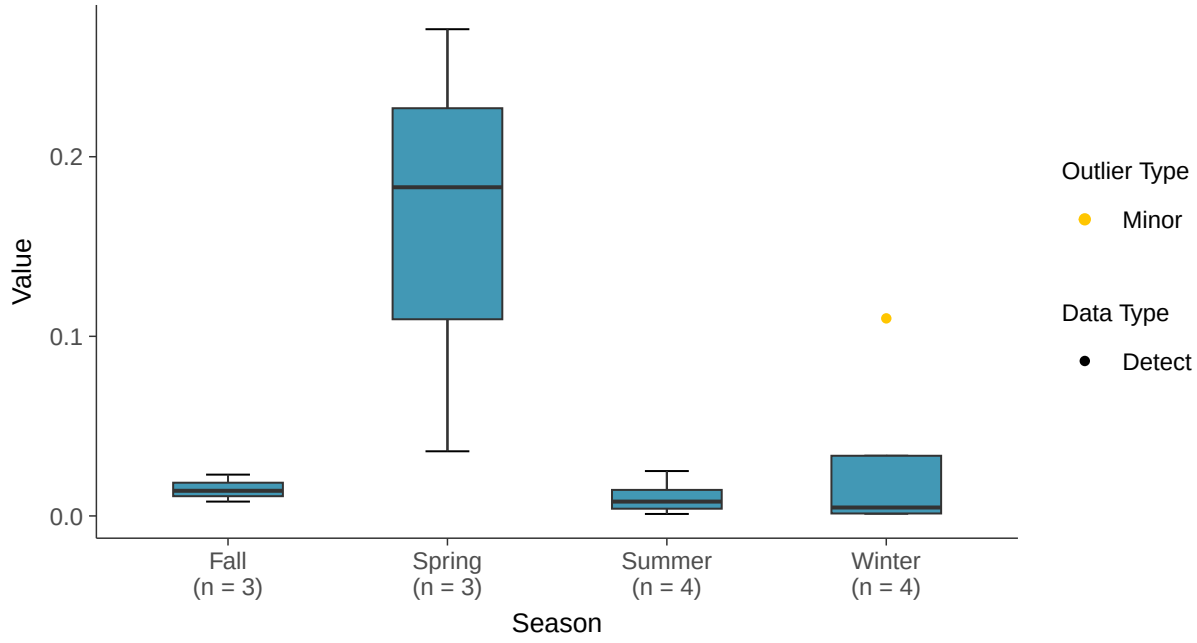
Boxplot

Zinc, MW-16D (mg/l)



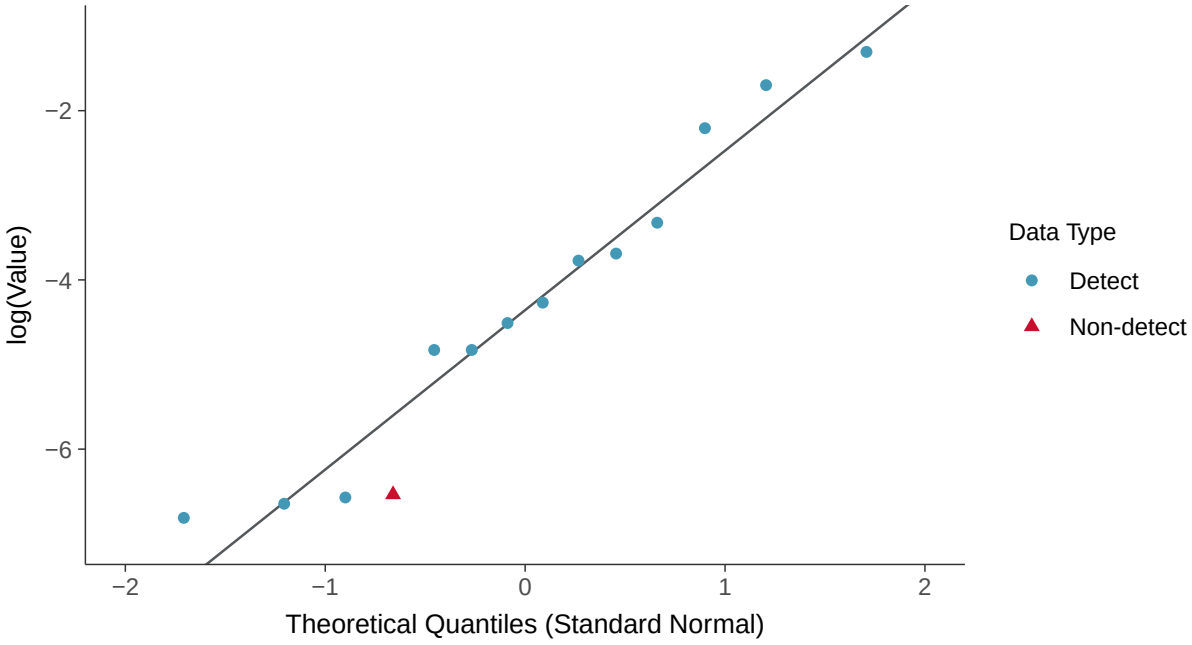
Boxplot by Season

Zinc, MW-16D (mg/l)



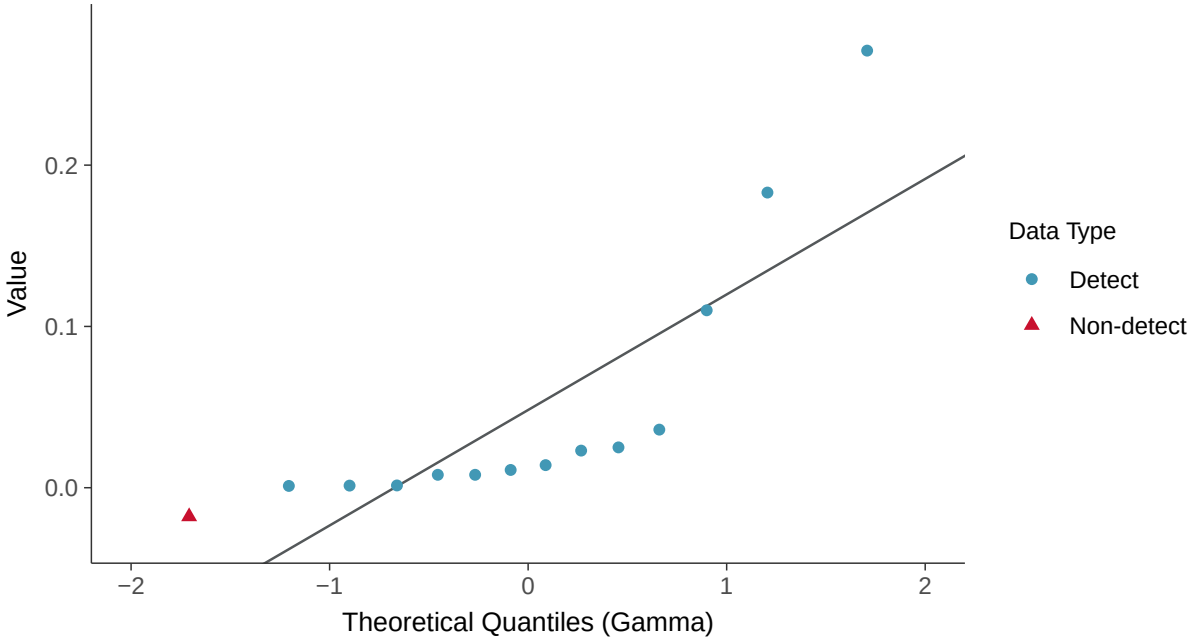
Lognormal Q-Q plot using ROS Imputed Estimates

Zinc, MW-16D (mg/l)



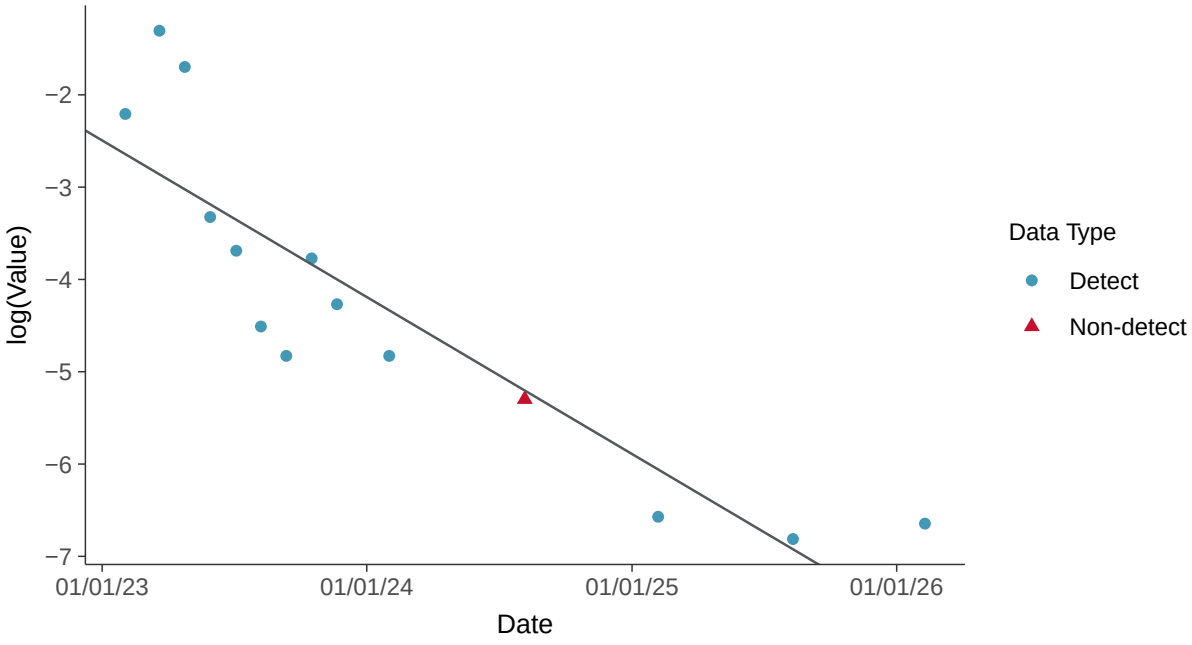
Gamma Q-Q plot using ROS Imputed Estimates

Zinc, MW-16D (mg/l)



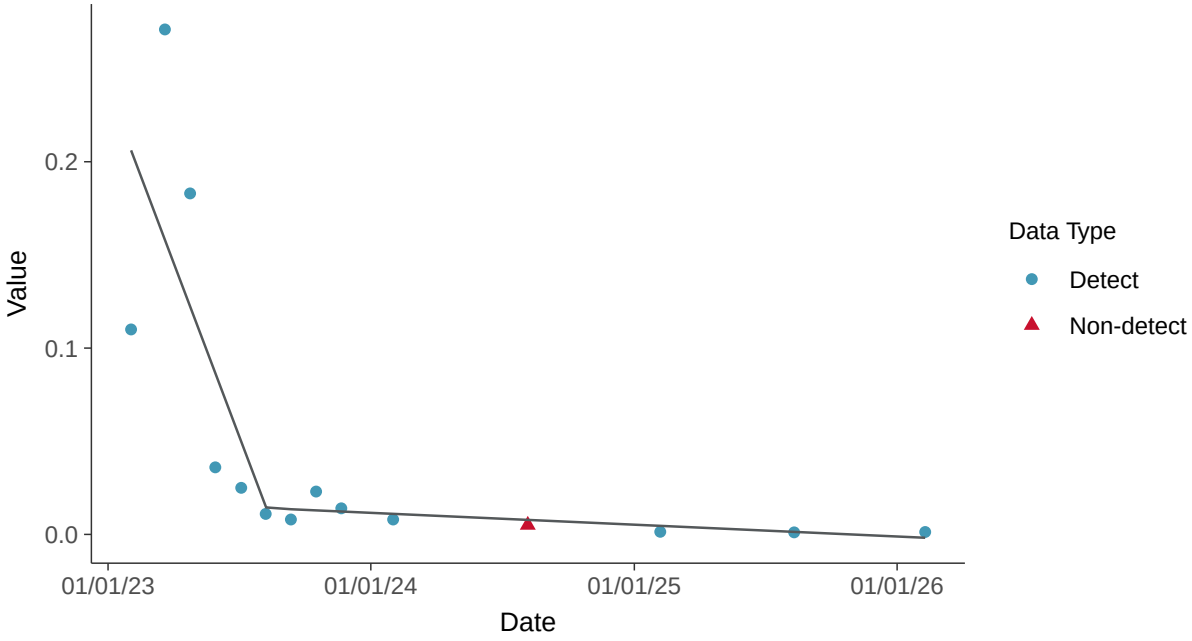
Trend Regression: Lognormal MLE

Zinc, MW-16D (mg/l)



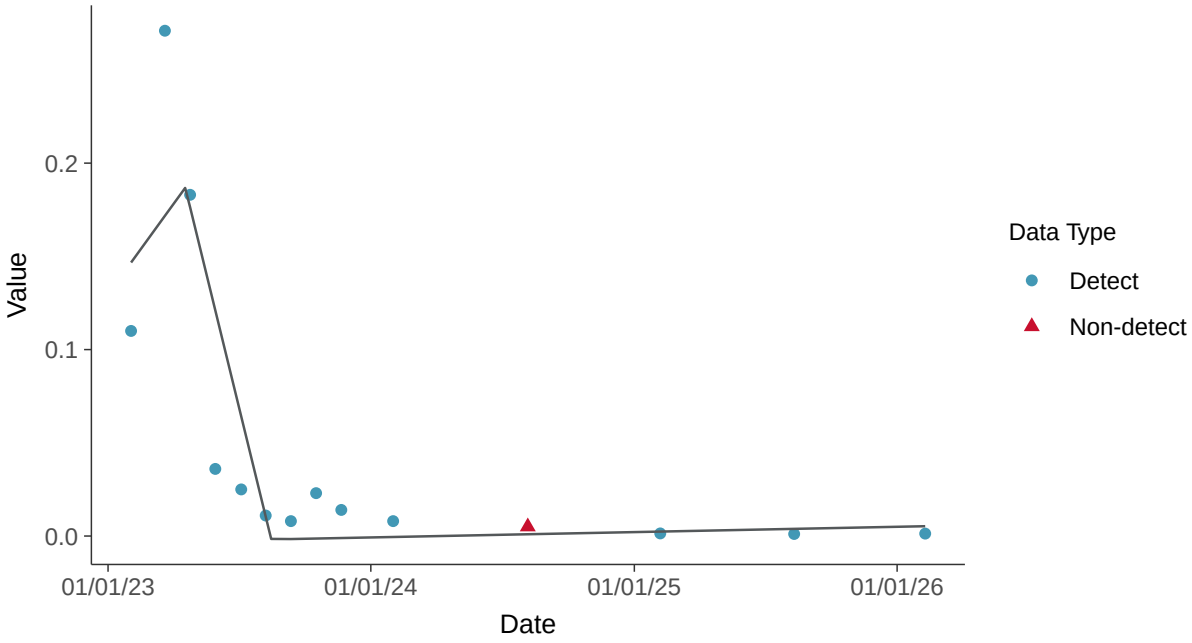
Trend Regression: Piecewise Linear-Linear

Zinc, MW-16D (mg/l)



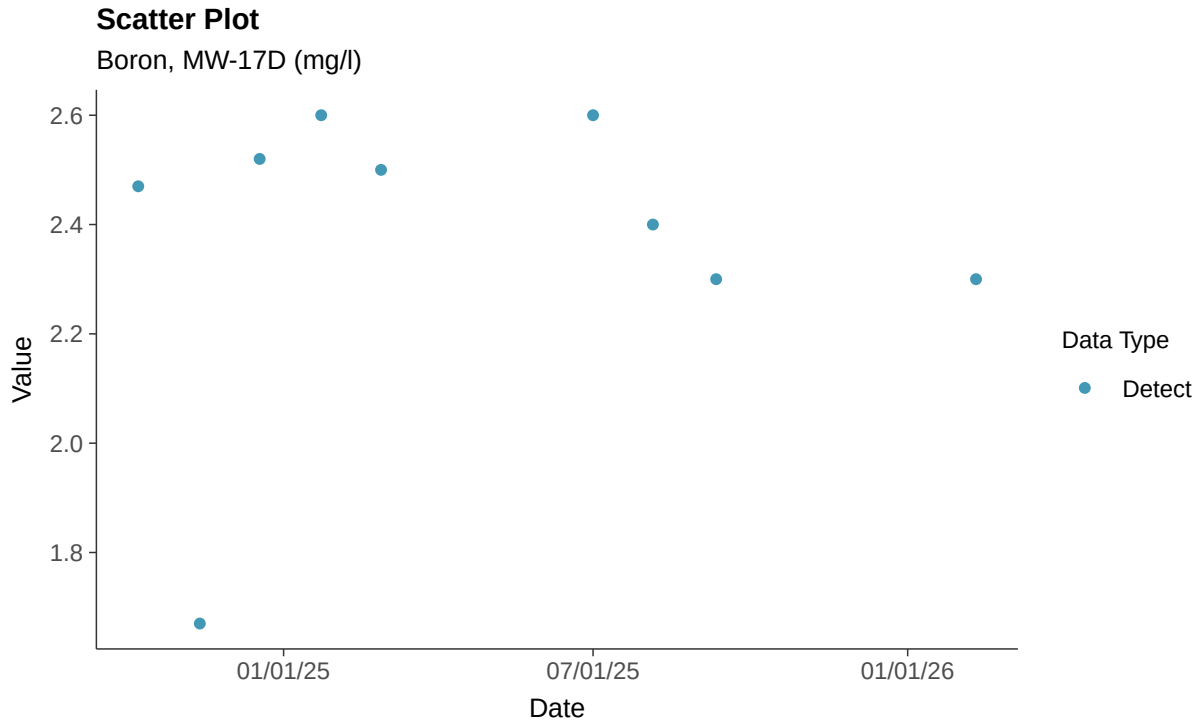
Trend Regression: Piecewise Linear-Linear-Linear

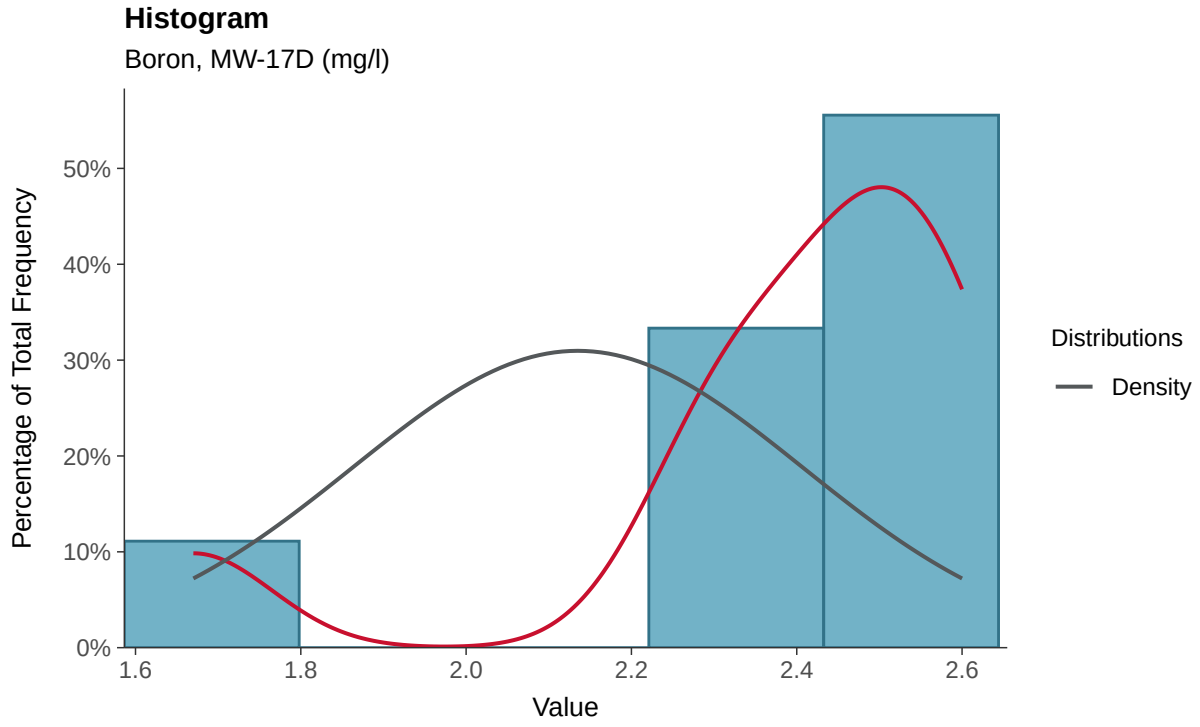
Zinc, MW-16D (mg/l)



Appendix III: Boron, MW-17D

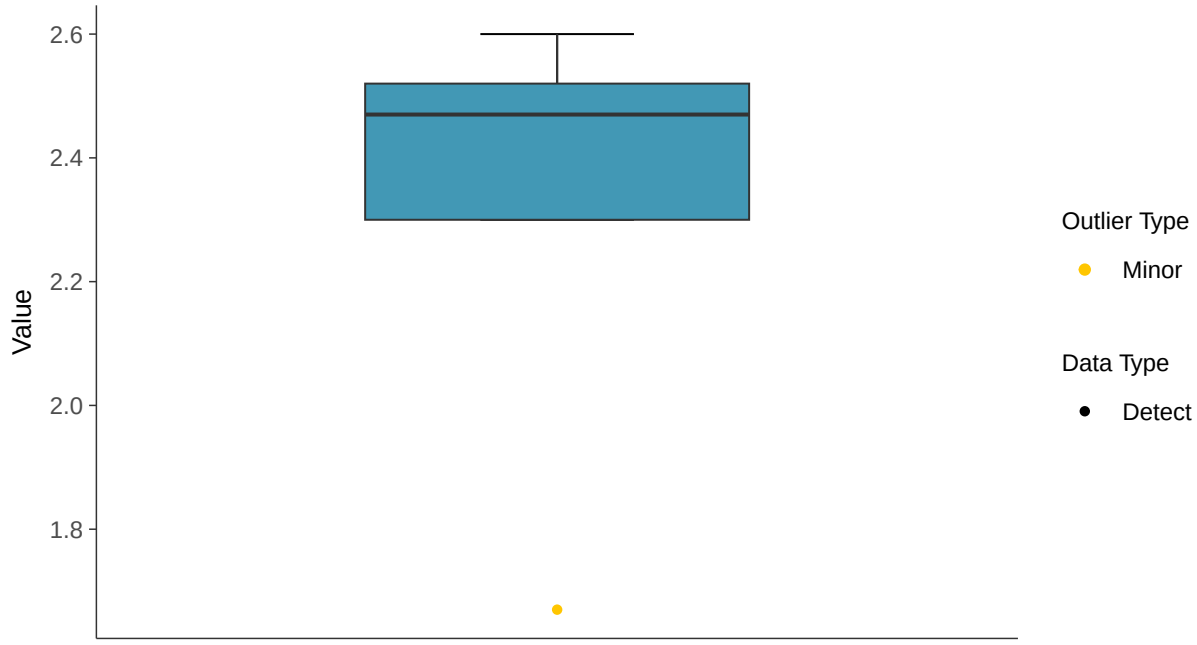
ID: 14_2_105





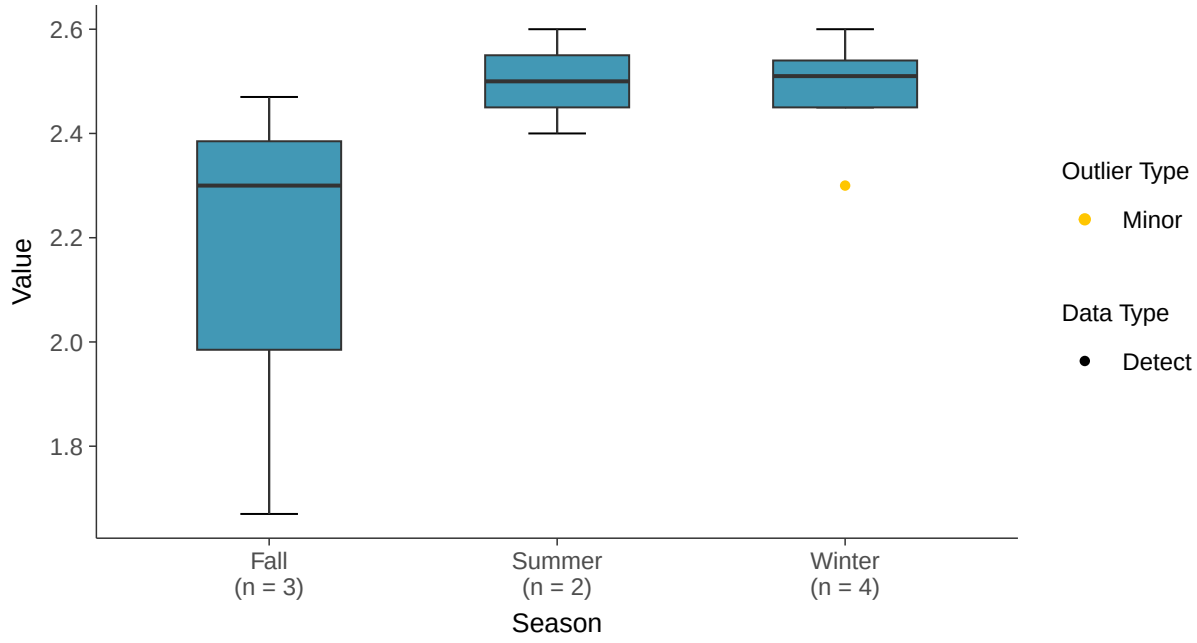
Boxplot

Boron, MW-17D (mg/l)



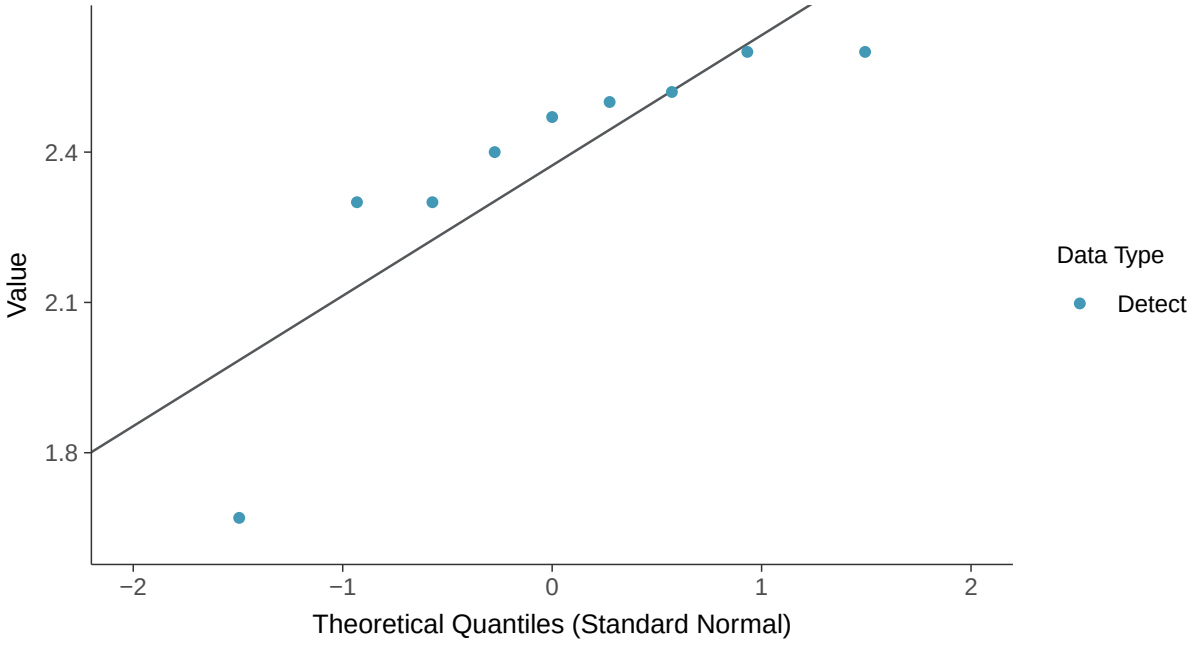
Boxplot by Season

Boron, MW-17D (mg/l)



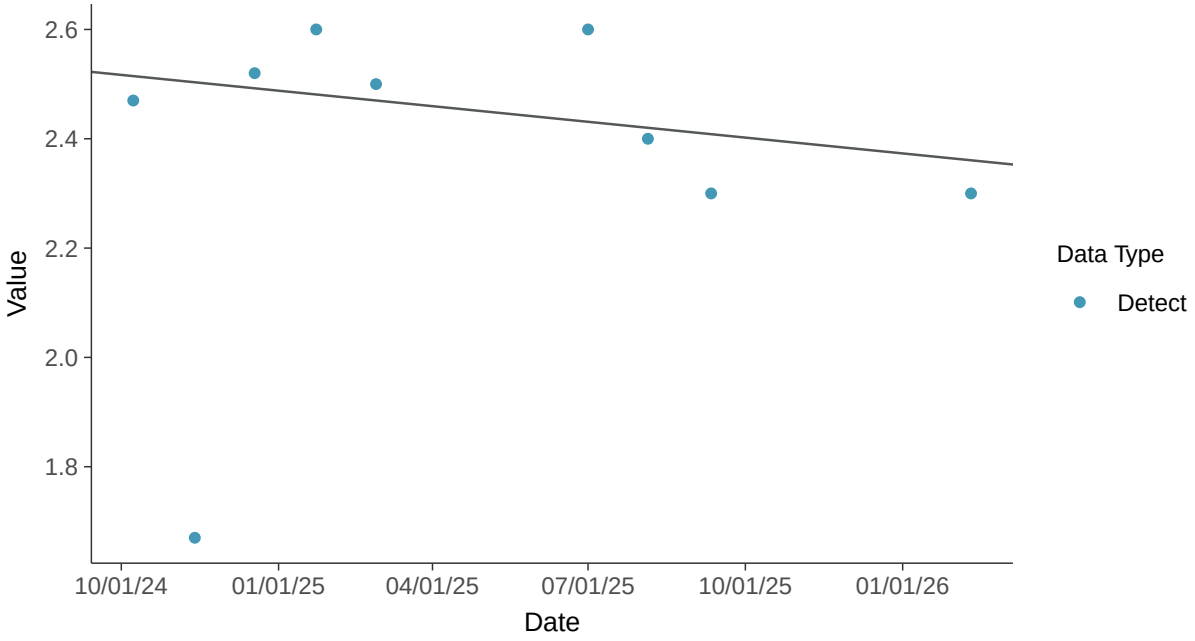
Normal Q-Q plot

Boron, MW-17D (mg/l)



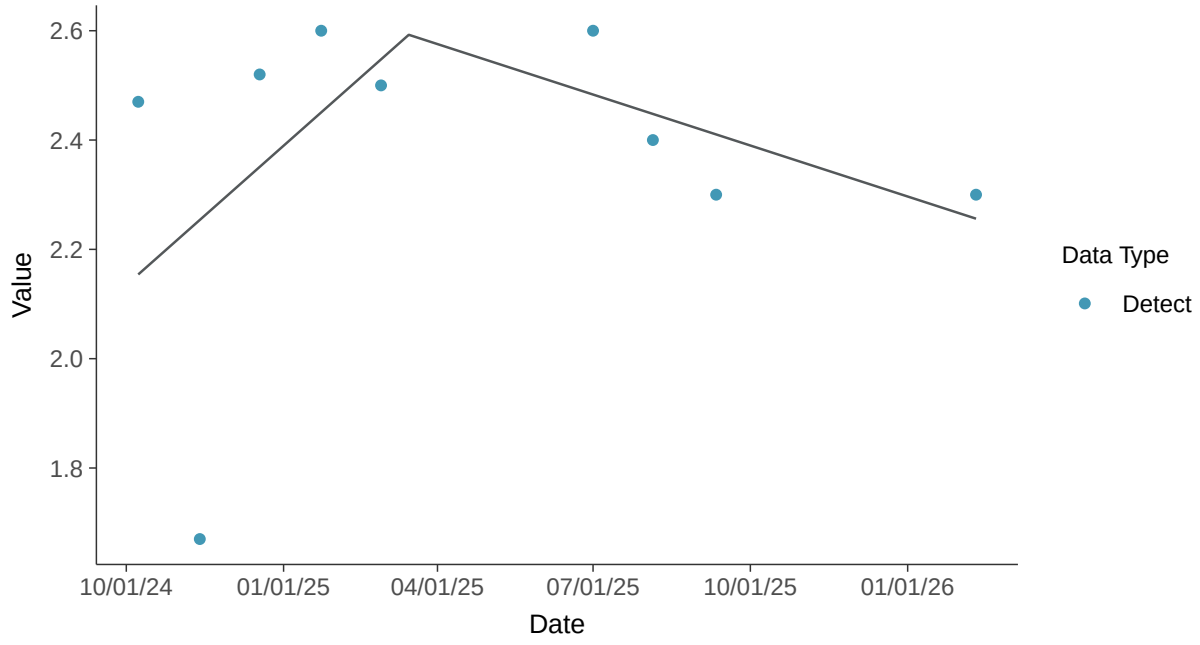
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Boron, MW-17D (mg/l)



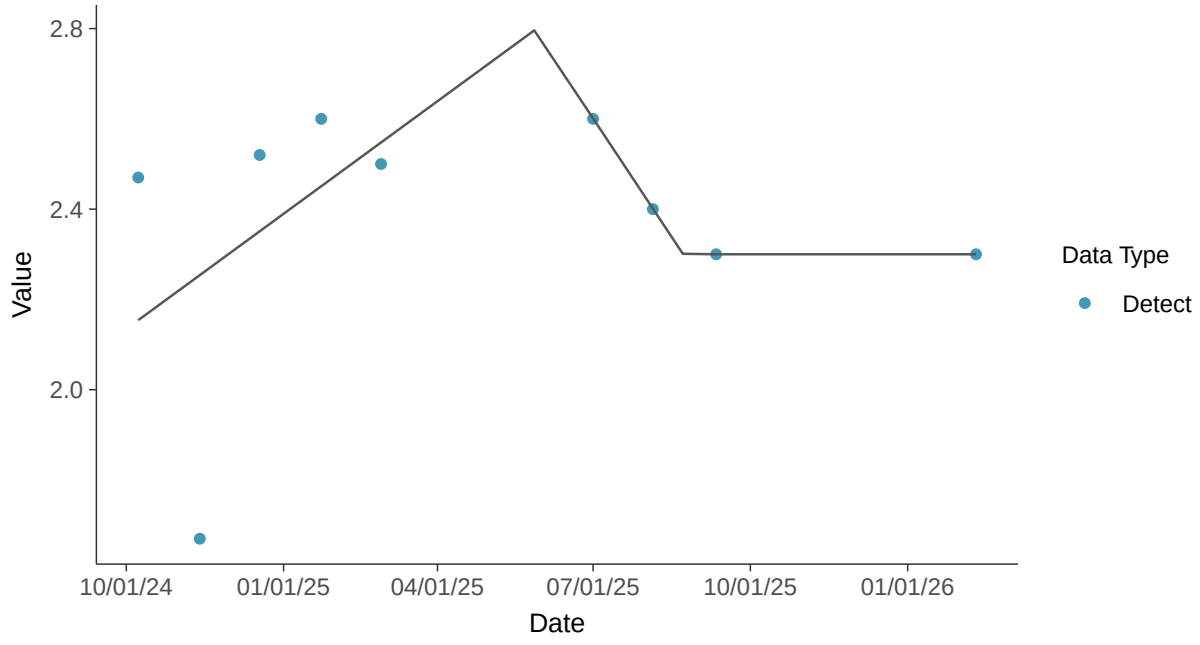
Trend Regression: Piecewise Linear-Linear

Boron, MW-17D (mg/l)



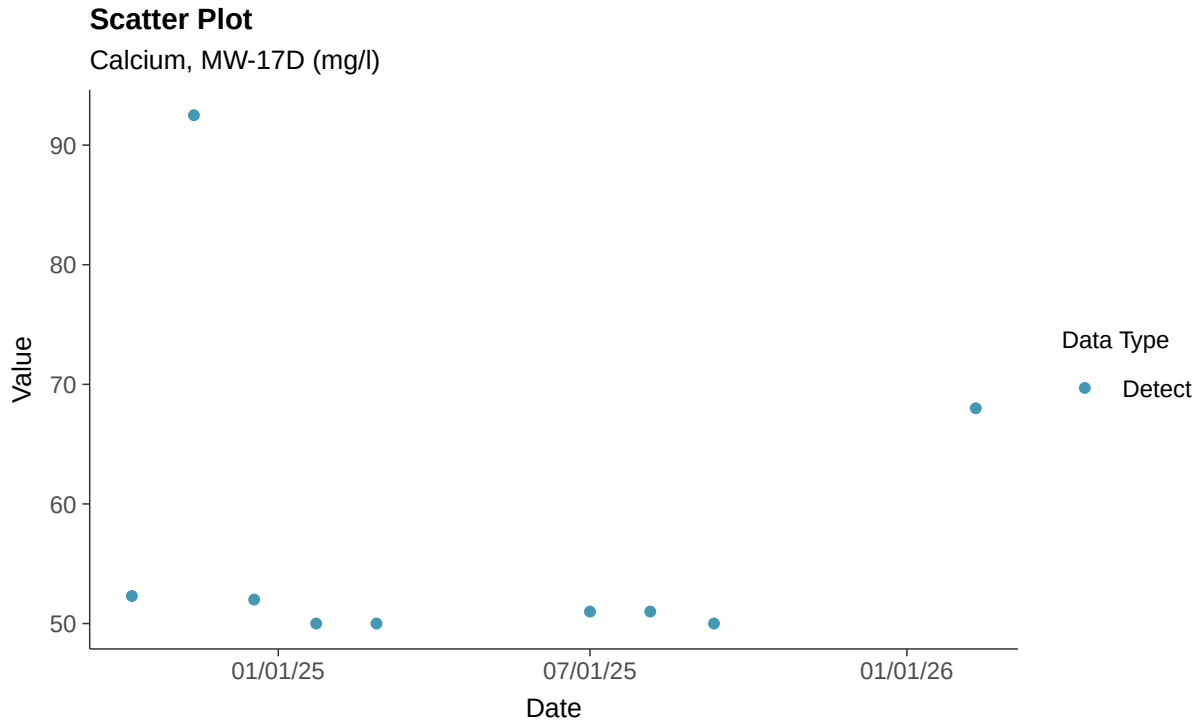
Trend Regression: Piecewise Linear-Linear-Linear

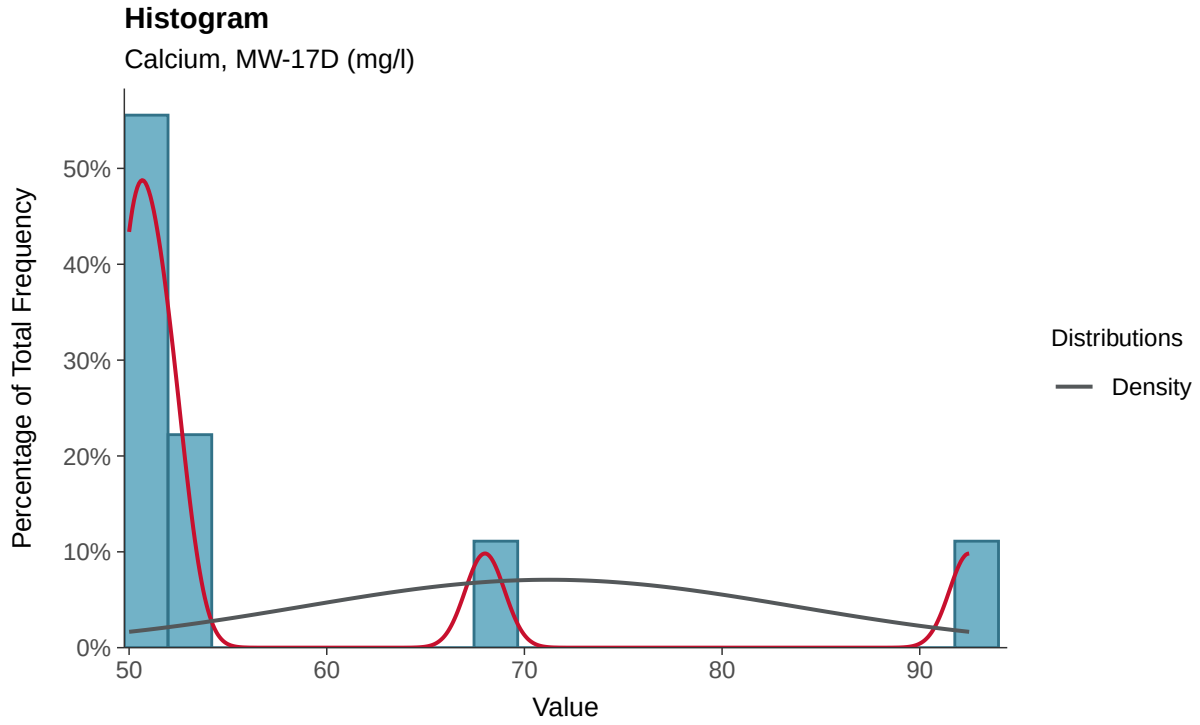
Boron, MW-17D (mg/l)



Appendix III: Calcium, MW-17D

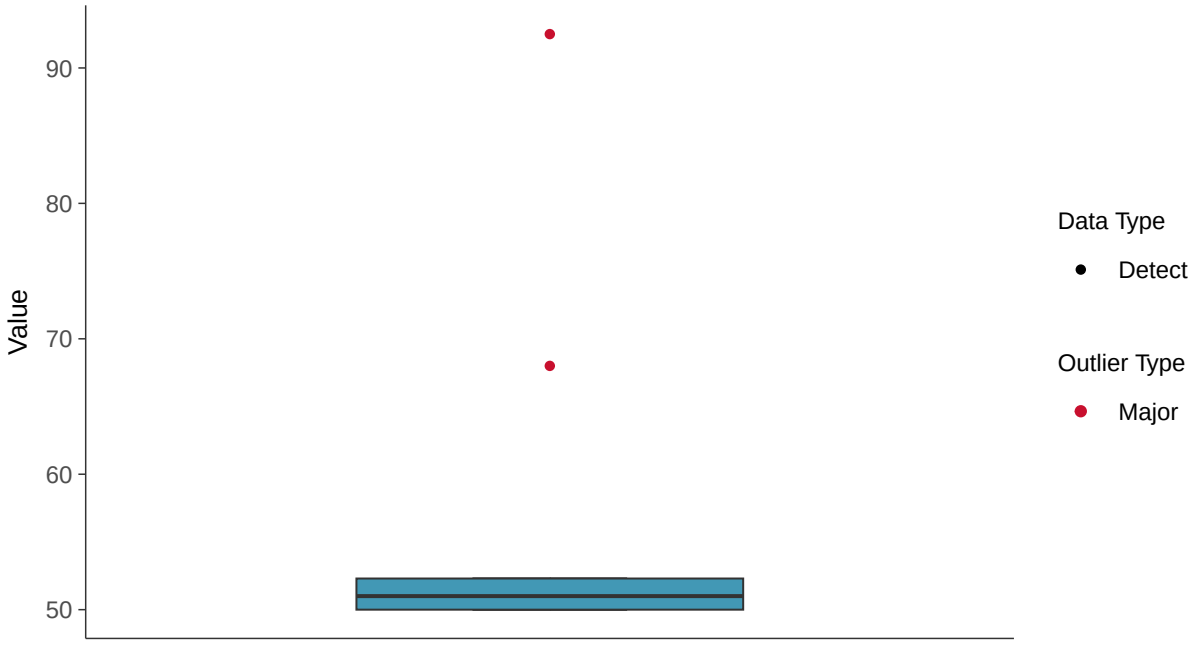
ID: 14_2_107





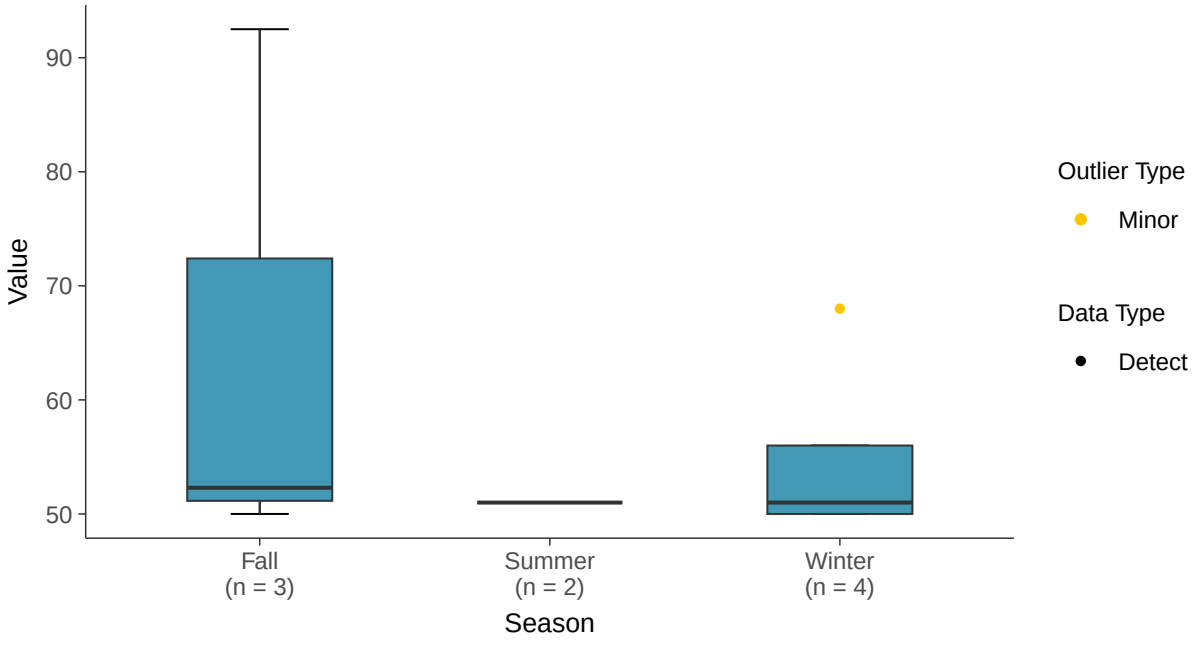
Boxplot

Calcium, MW-17D (mg/l)



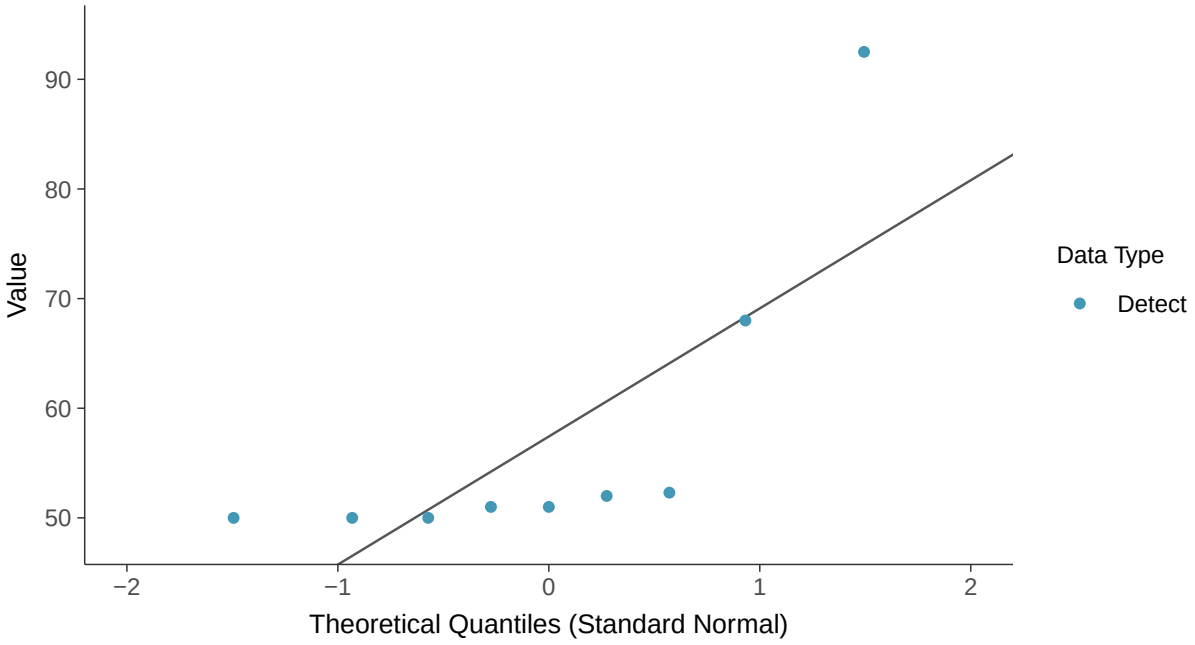
Boxplot by Season

Calcium, MW-17D (mg/l)



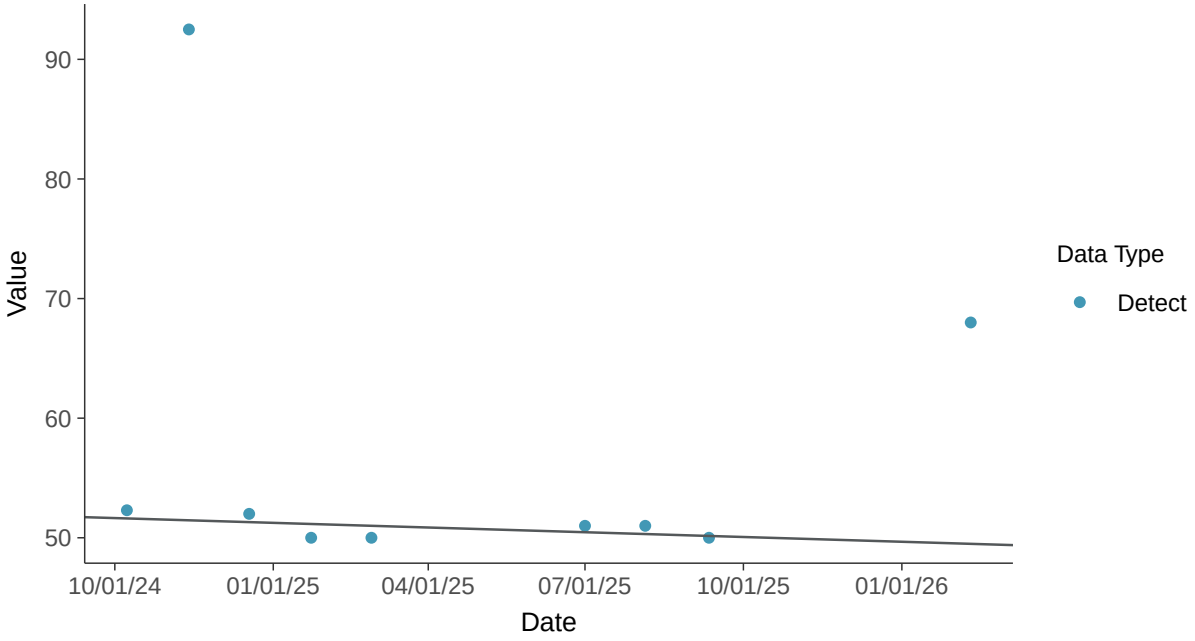
Normal Q-Q plot

Calcium, MW-17D (mg/l)



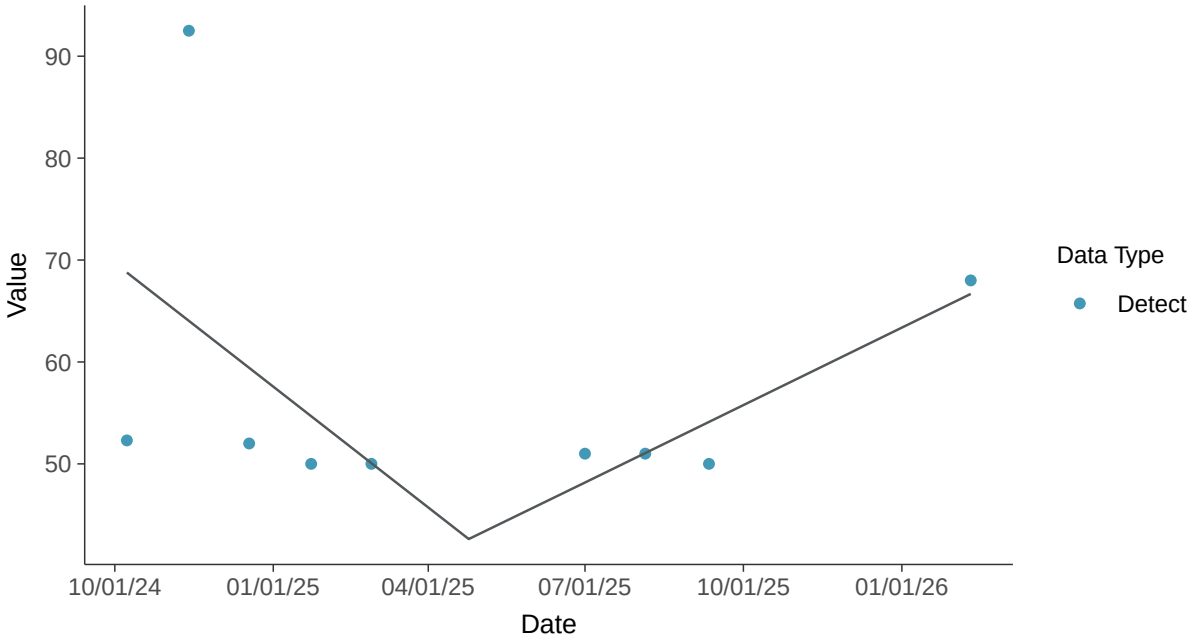
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Calcium, MW-17D (mg/l)



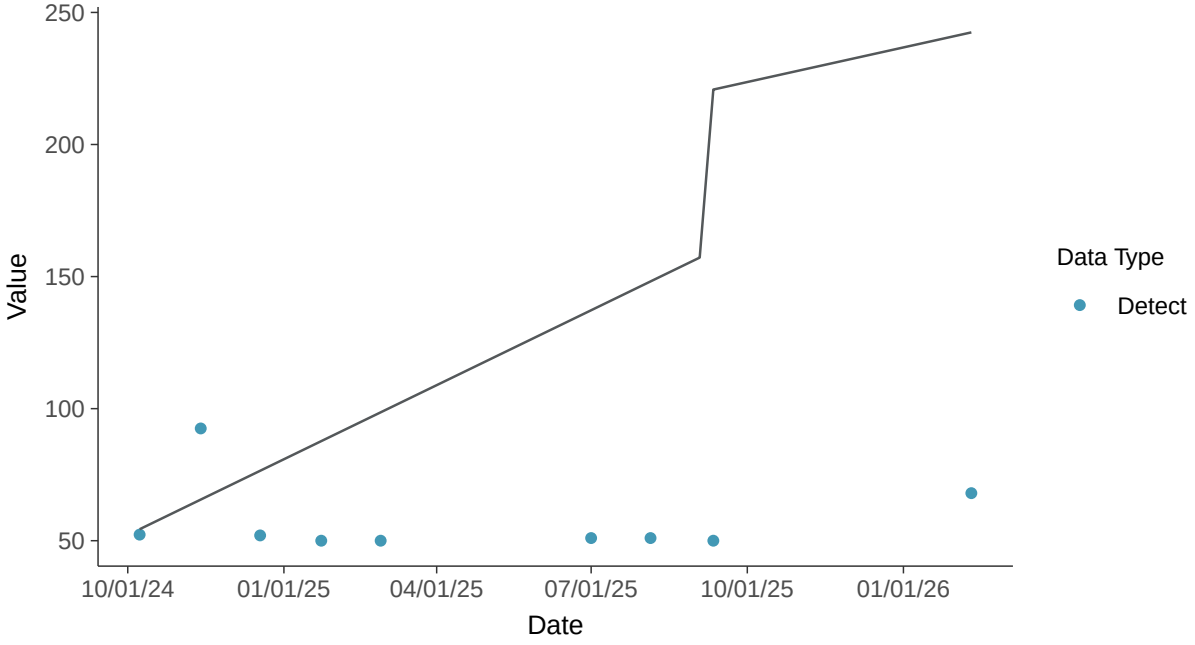
Trend Regression: Piecewise Linear-Linear

Calcium, MW-17D (mg/l)



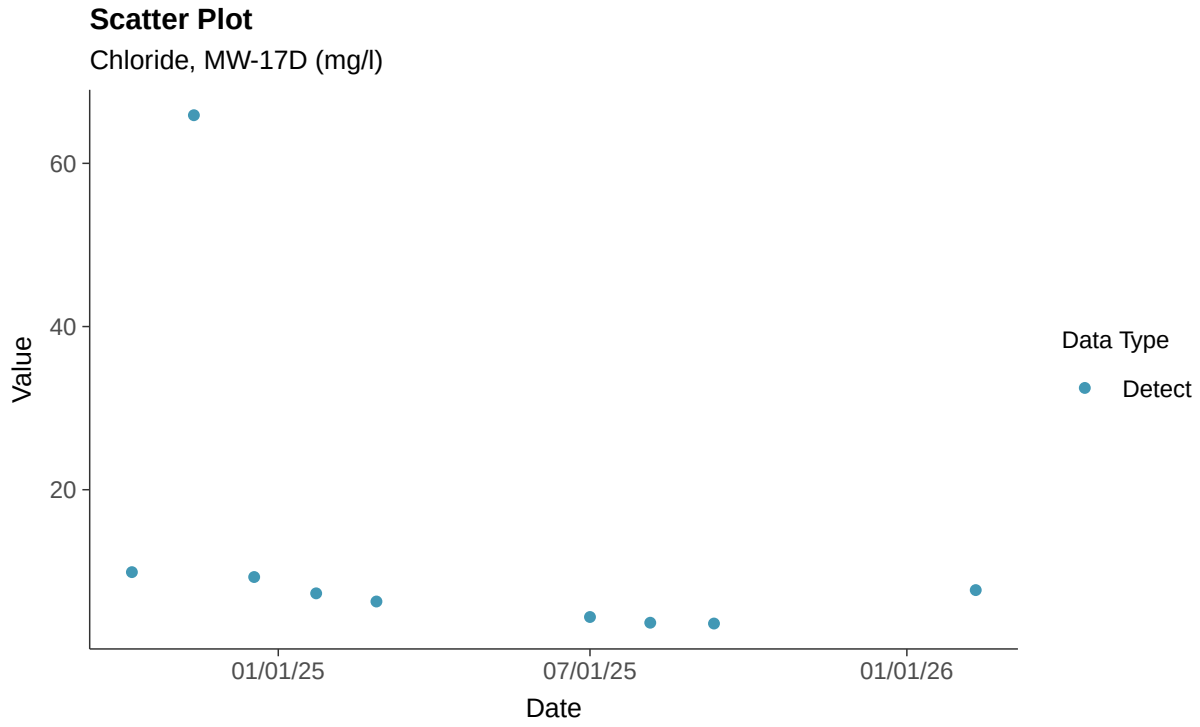
Trend Regression: Piecewise Linear-Linear-Linear

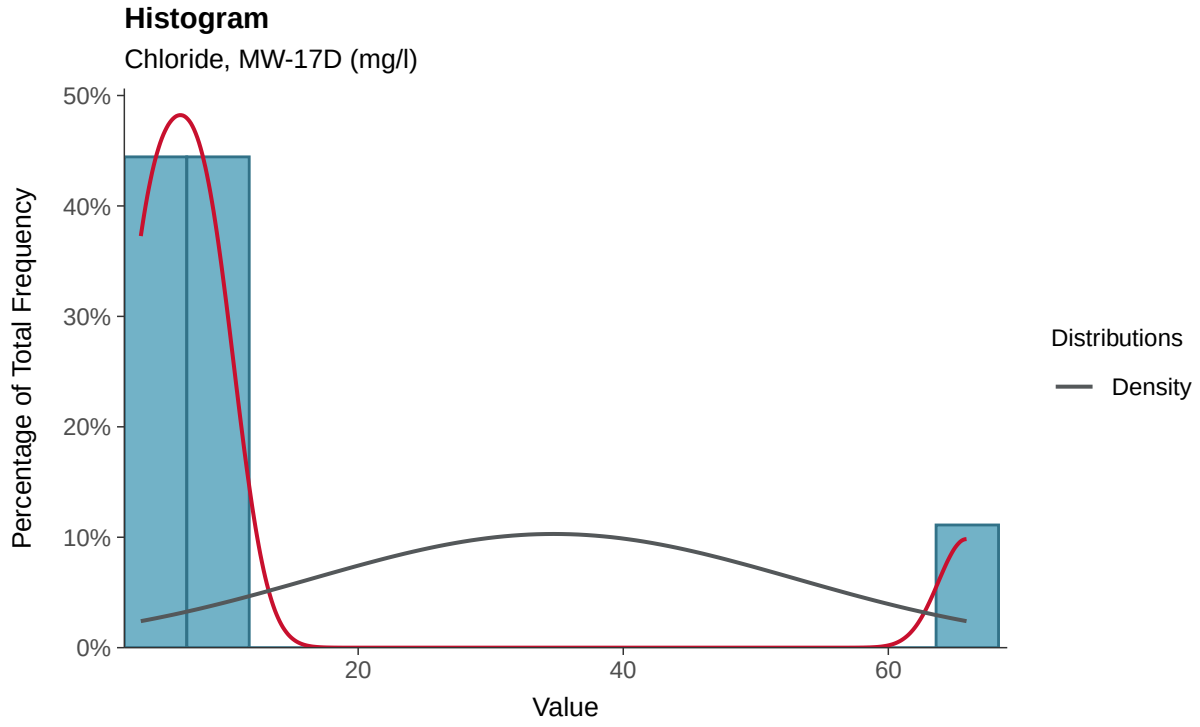
Calcium, MW-17D (mg/l)



Appendix III: Chloride, MW-17D

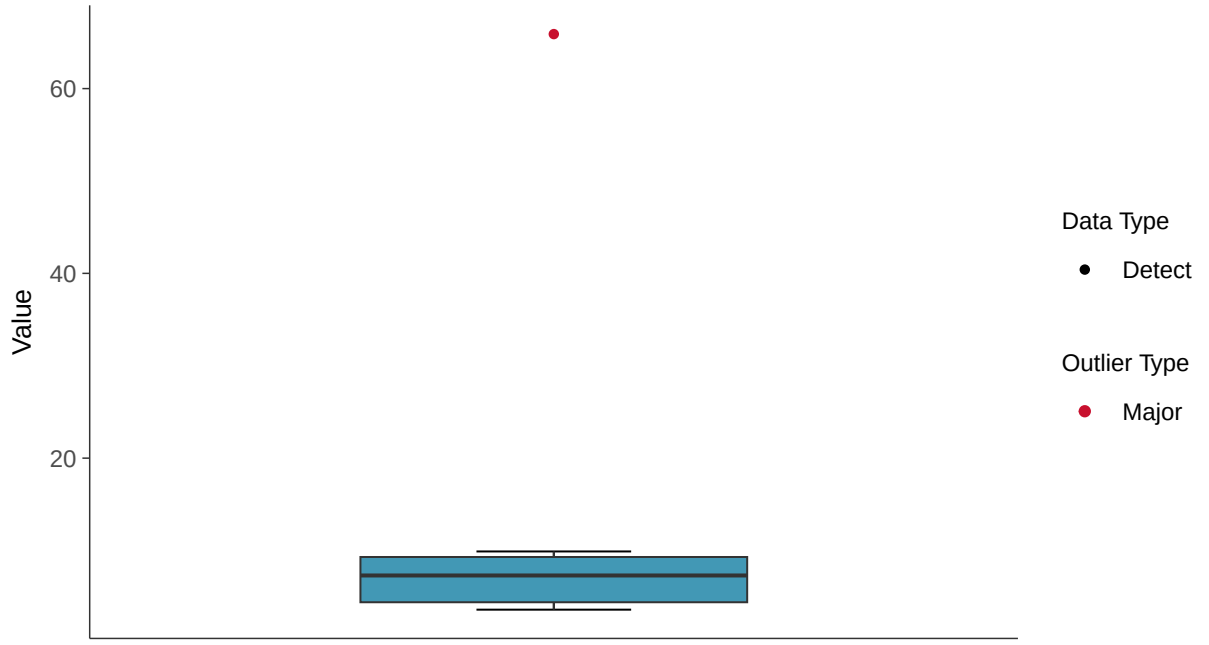
ID: 14_2_108





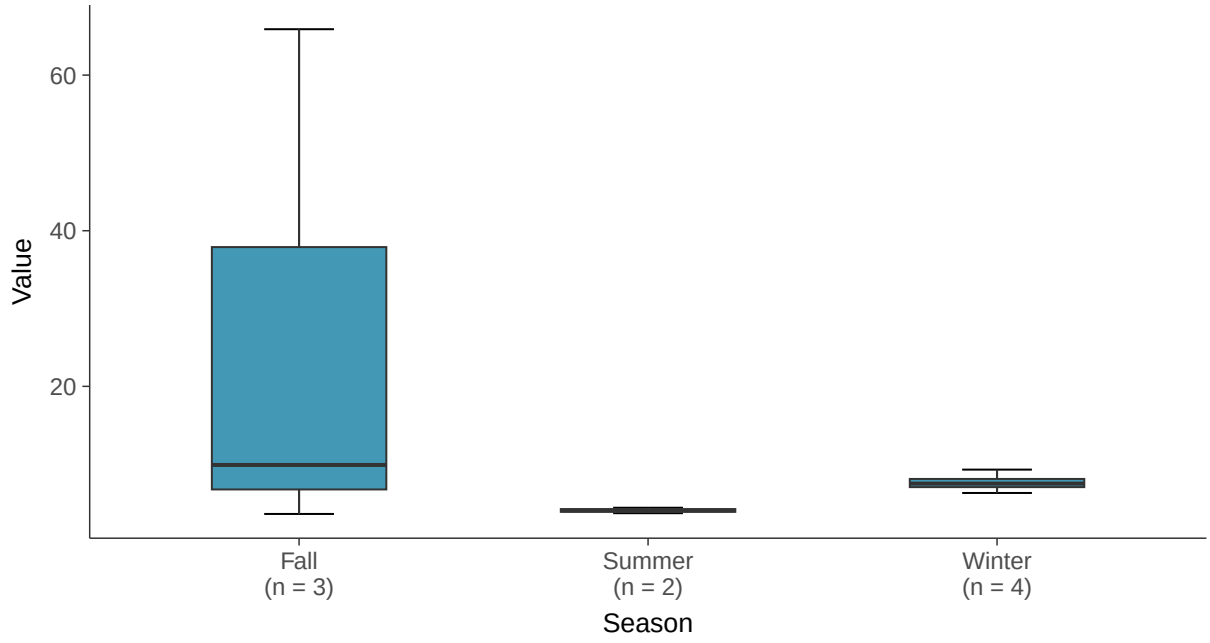
Boxplot

Chloride, MW-17D (mg/l)



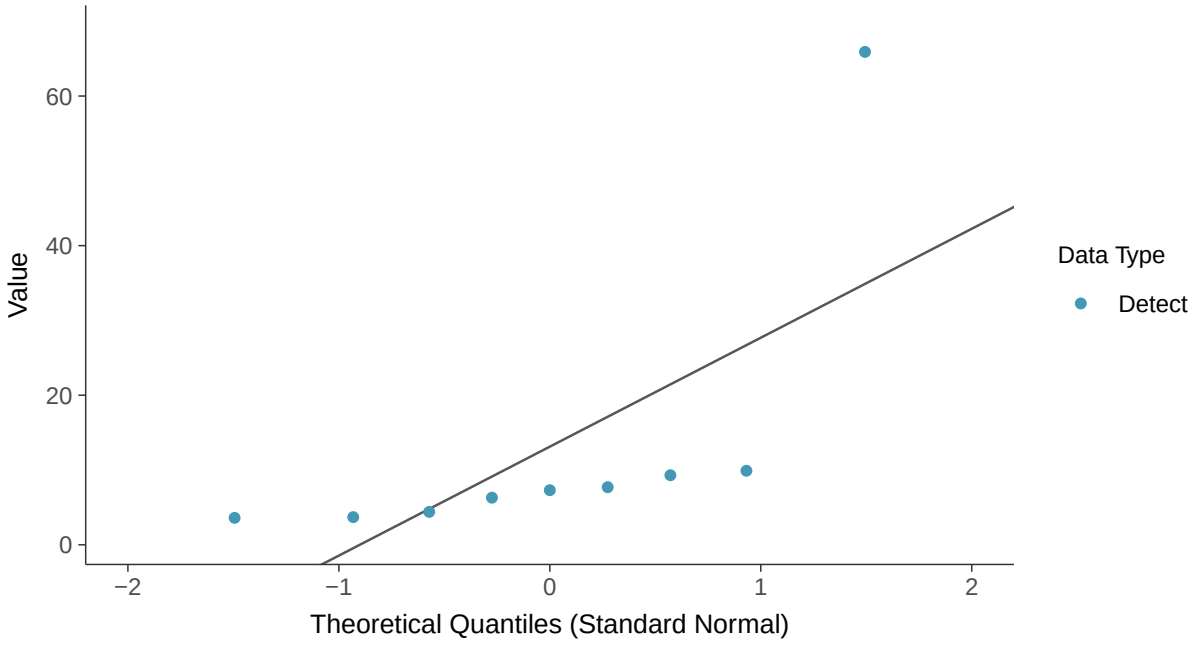
Boxplot by Season

Chloride, MW-17D (mg/l)



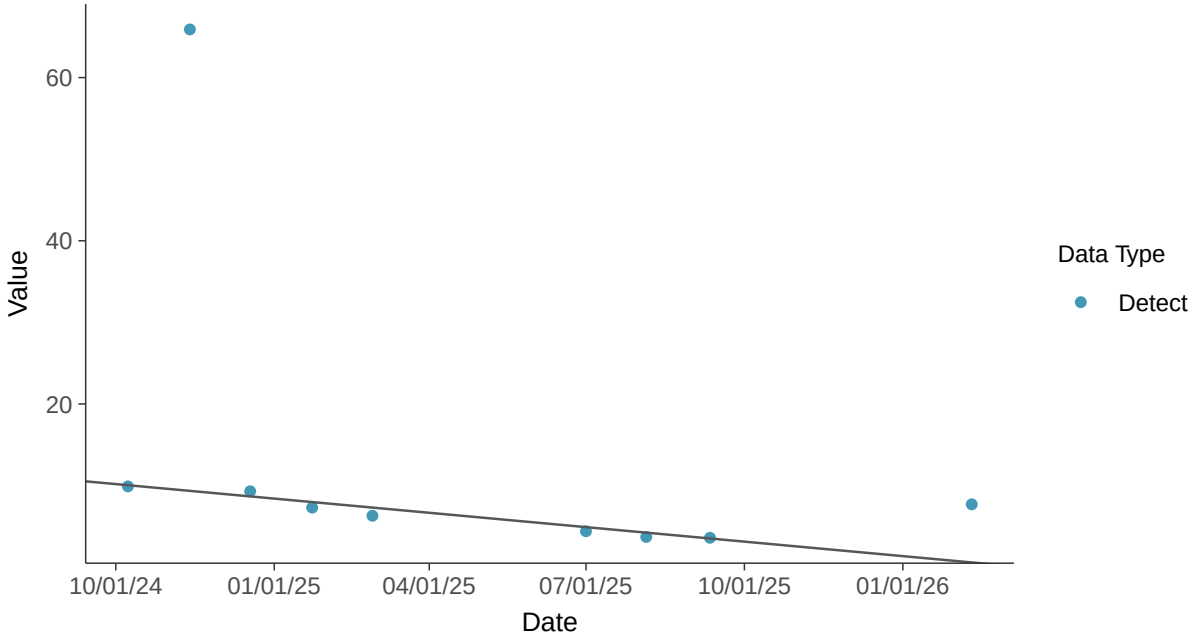
Normal Q-Q plot

Chloride, MW-17D (mg/l)



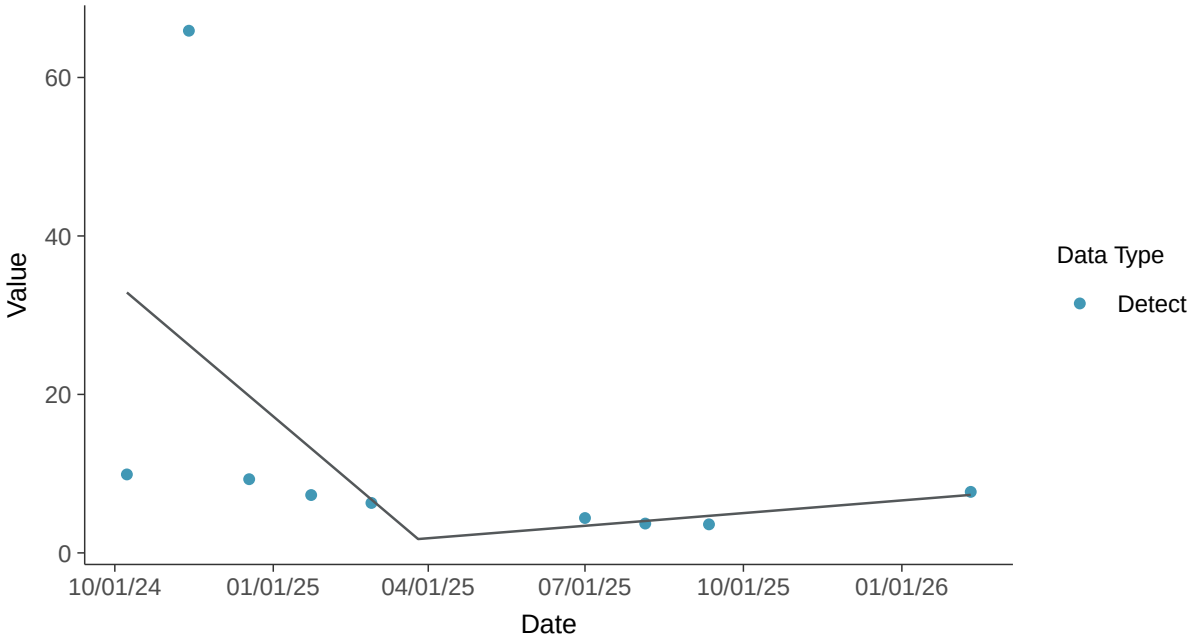
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Chloride, MW-17D (mg/l)



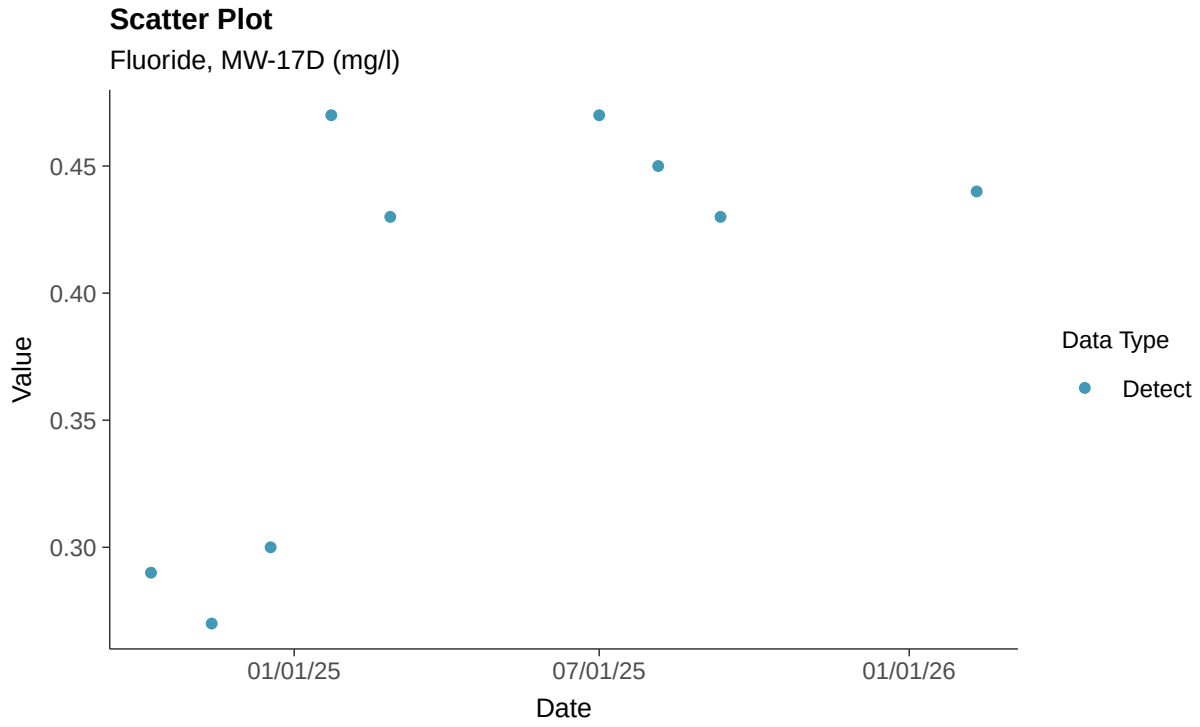
Trend Regression: Piecewise Linear-Linear

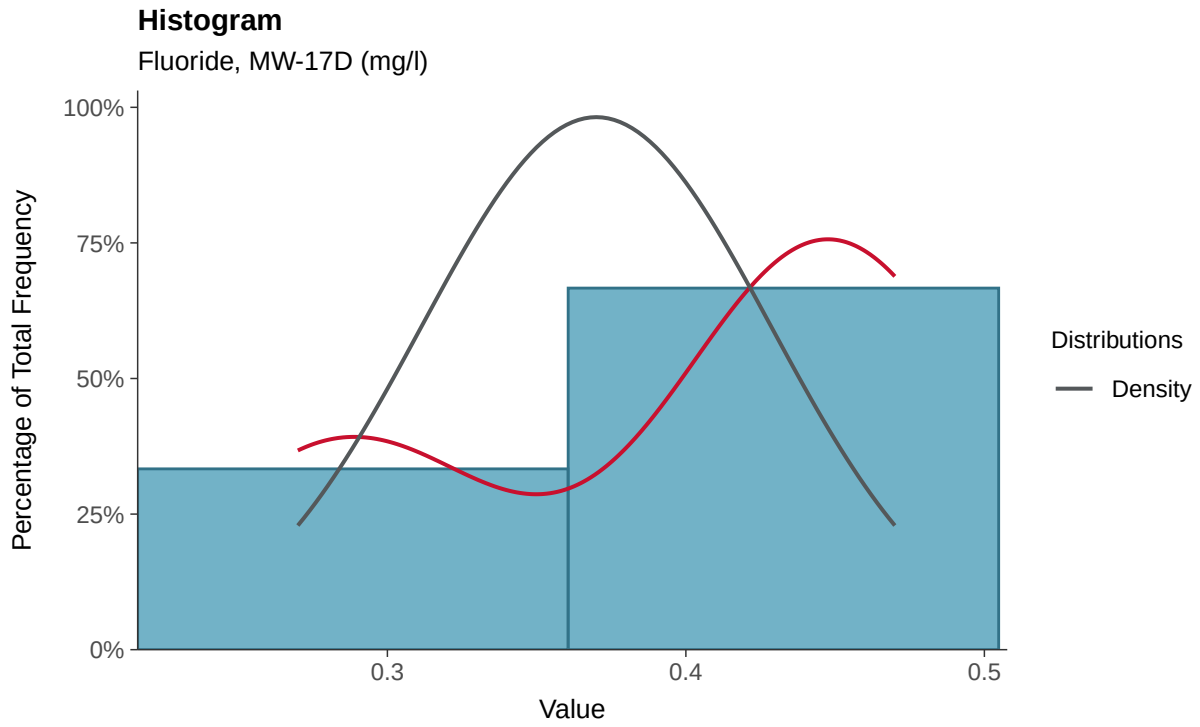
Chloride, MW-17D (mg/l)



Appendix III: Fluoride, MW-17D

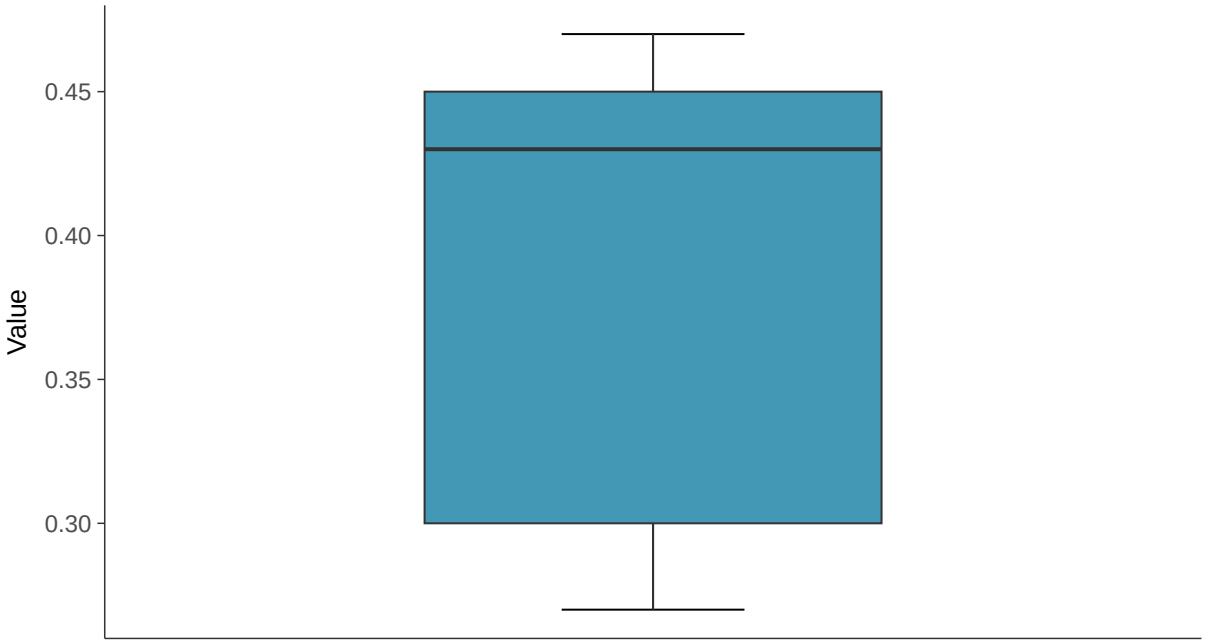
ID: 14_2_112





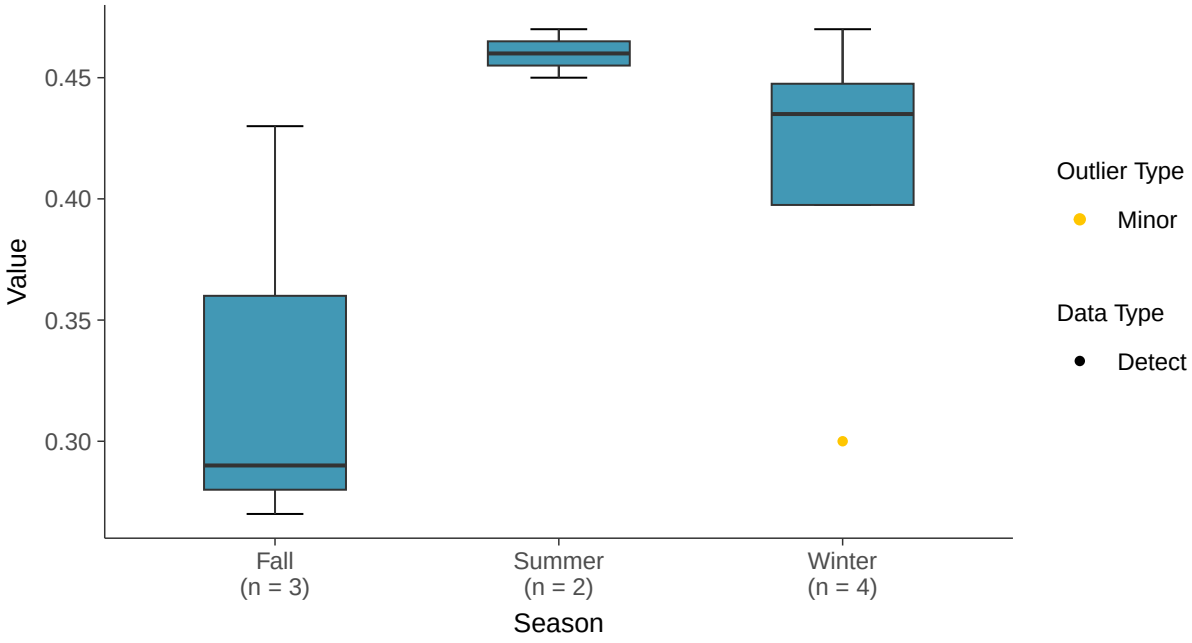
Boxplot

Fluoride, MW-17D (mg/l)



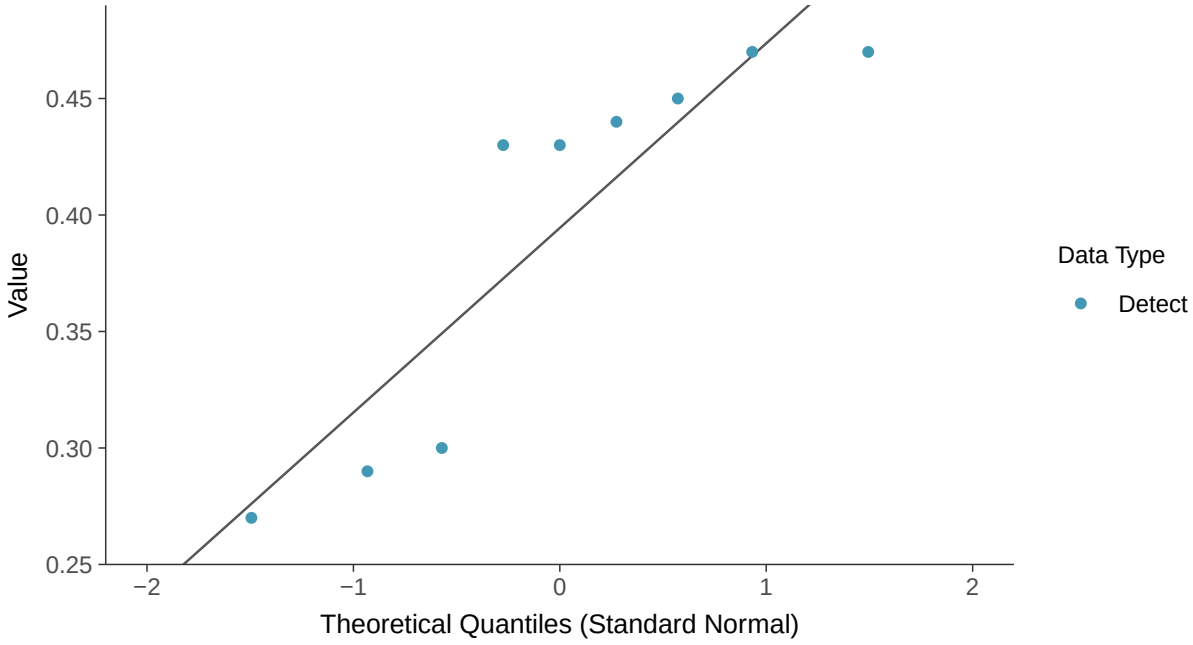
Boxplot by Season

Fluoride, MW-17D (mg/l)



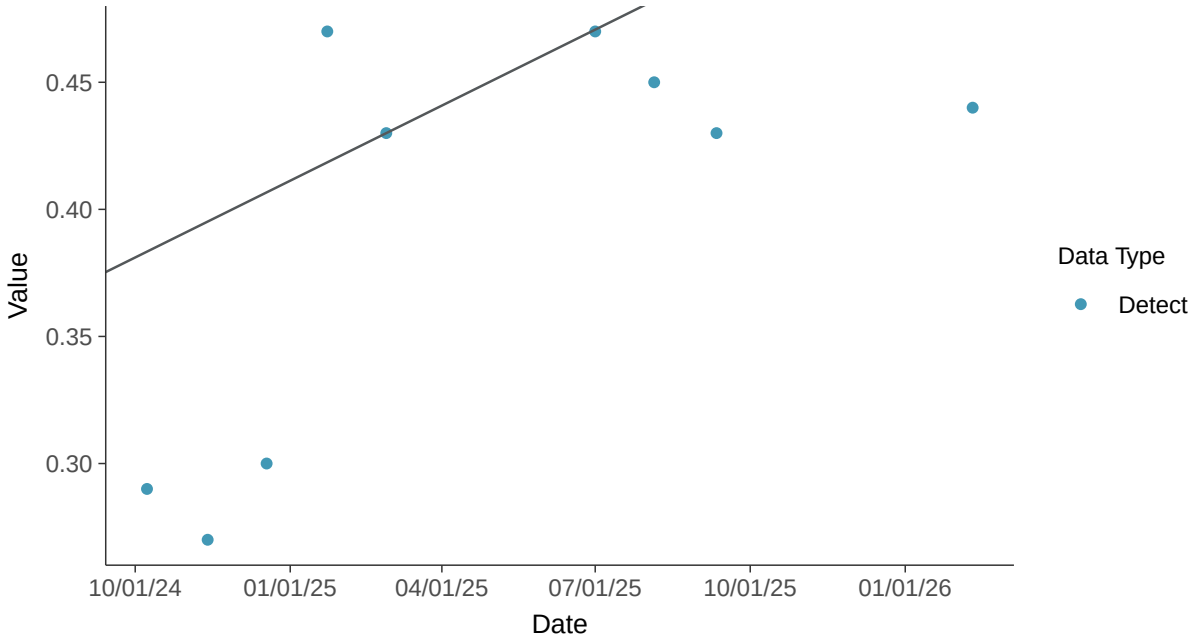
Normal Q-Q plot

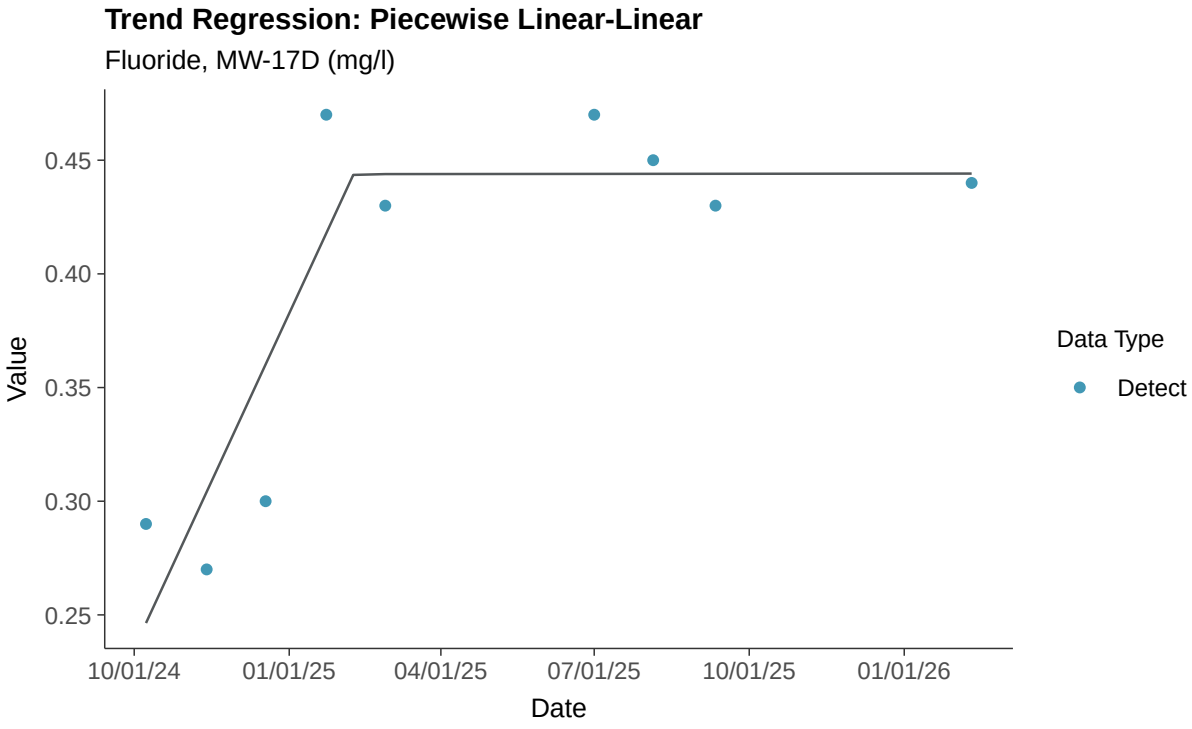
Fluoride, MW-17D (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride, MW-17D (mg/l)



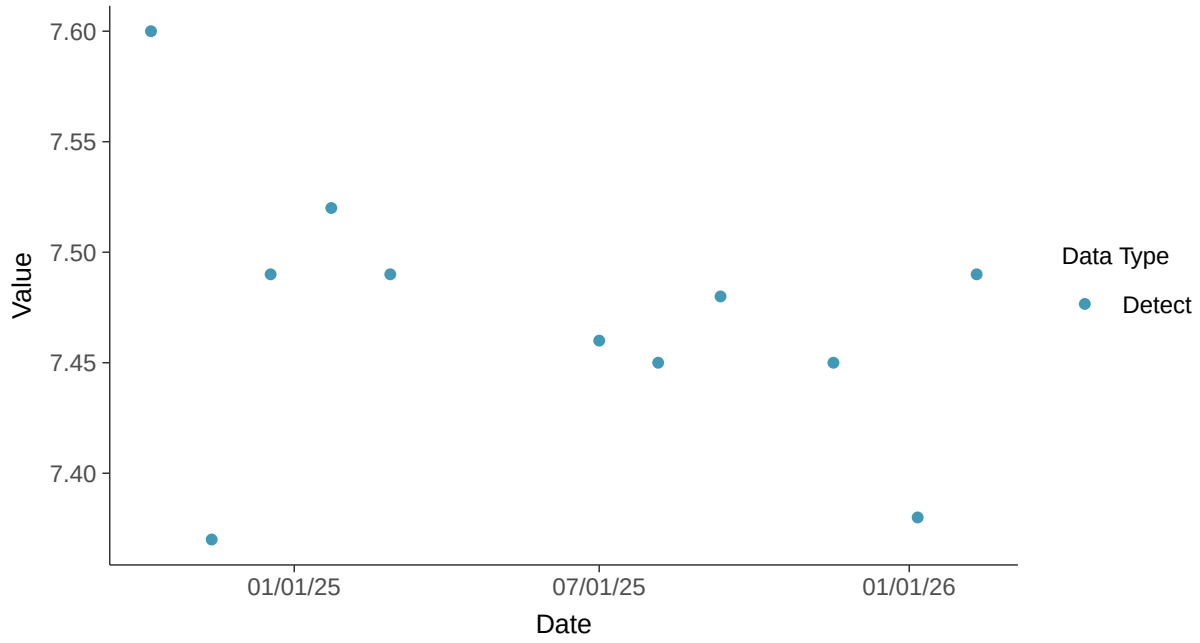

Trend Regression: Piecewise Linear-Linear
Fluoride, MW-17D (mg/l)
Value
0.45
0.40
0.35
0.30
0.25
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: pH, Field, MW-17D

ID: 14_2_120

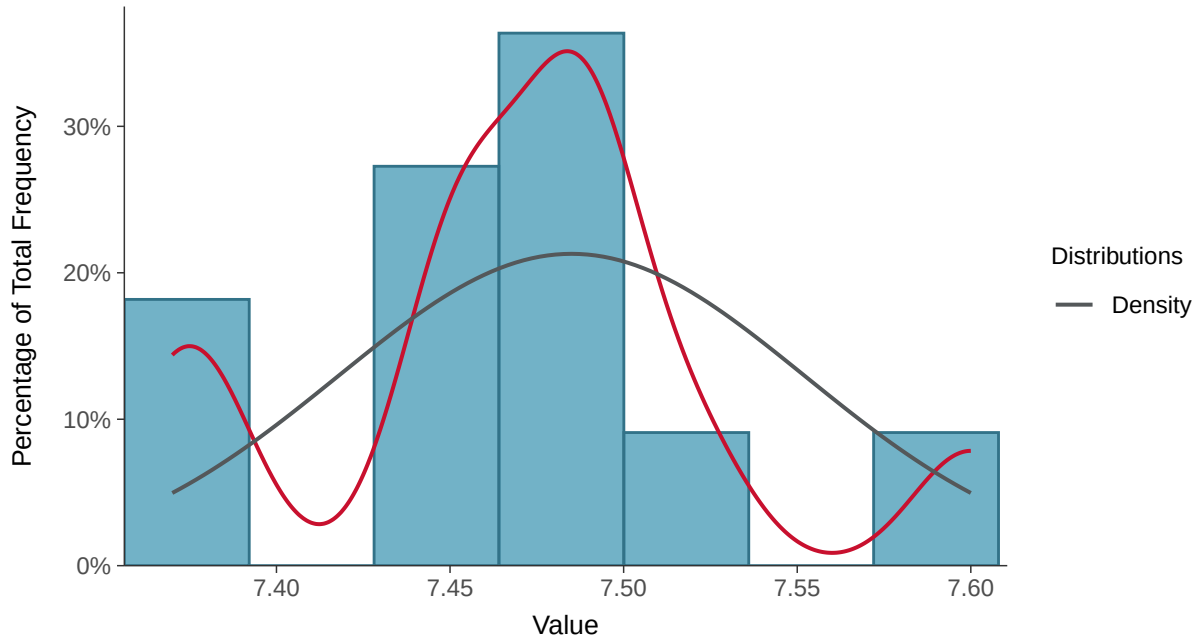
Scatter Plot

pH, Field, MW-17D (su)



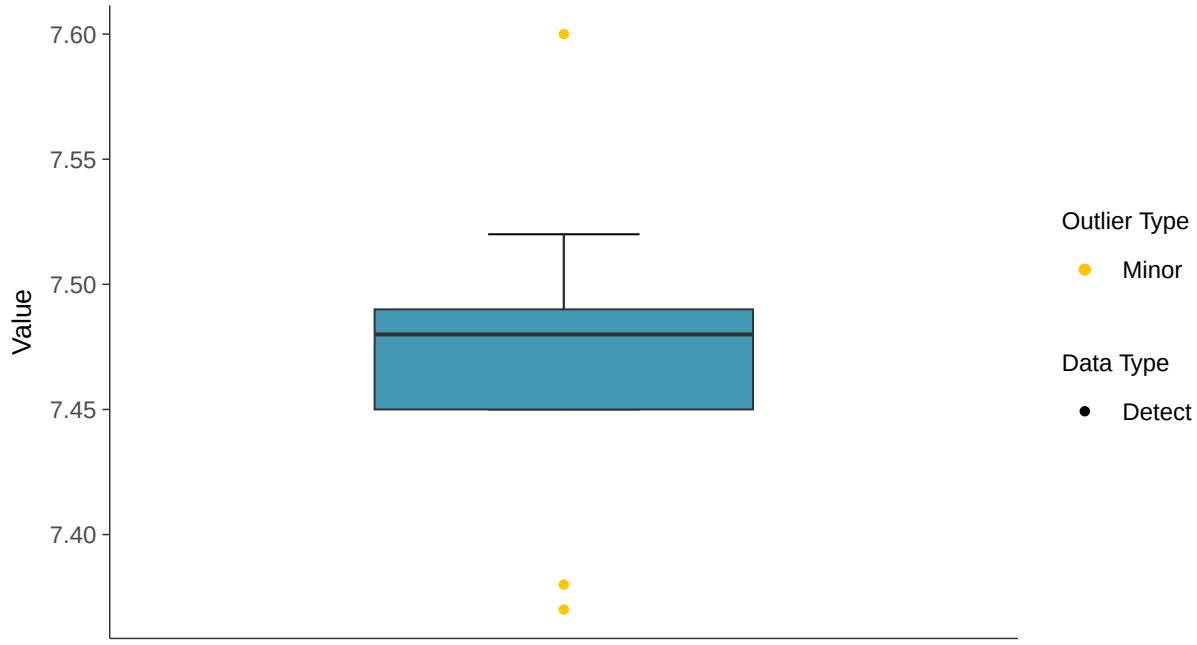
Histogram

pH, Field, MW-17D (su)



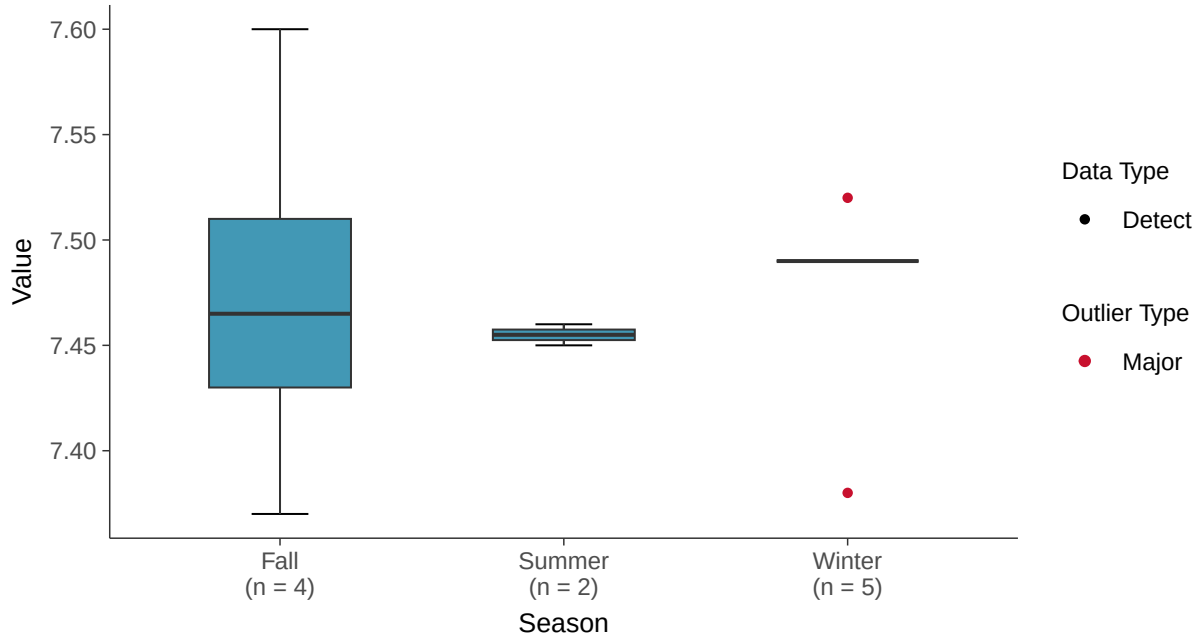
Boxplot

pH, Field, MW-17D (su)



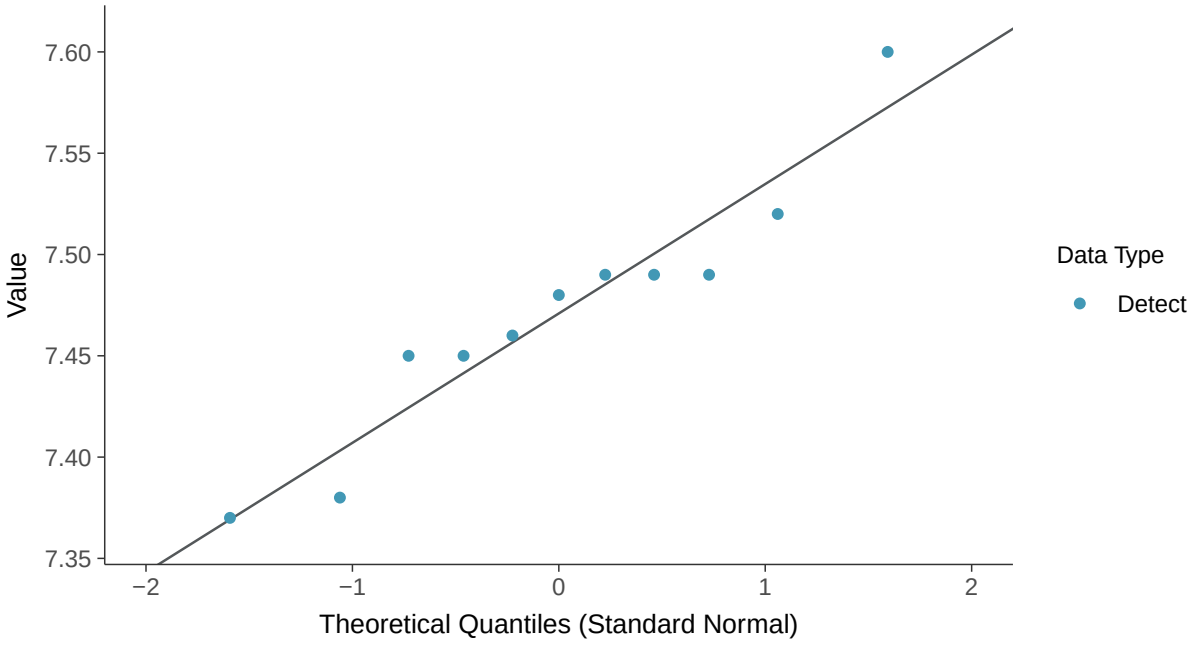
Boxplot by Season

pH, Field, MW-17D (su)



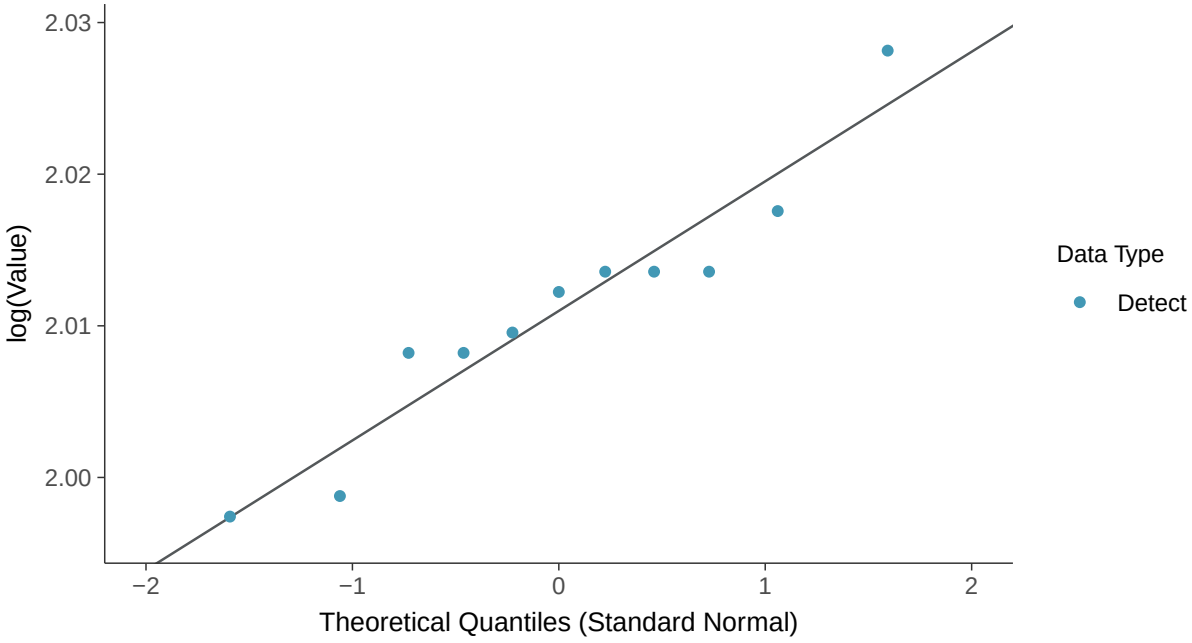
Normal Q-Q plot

pH, Field, MW-17D (su)



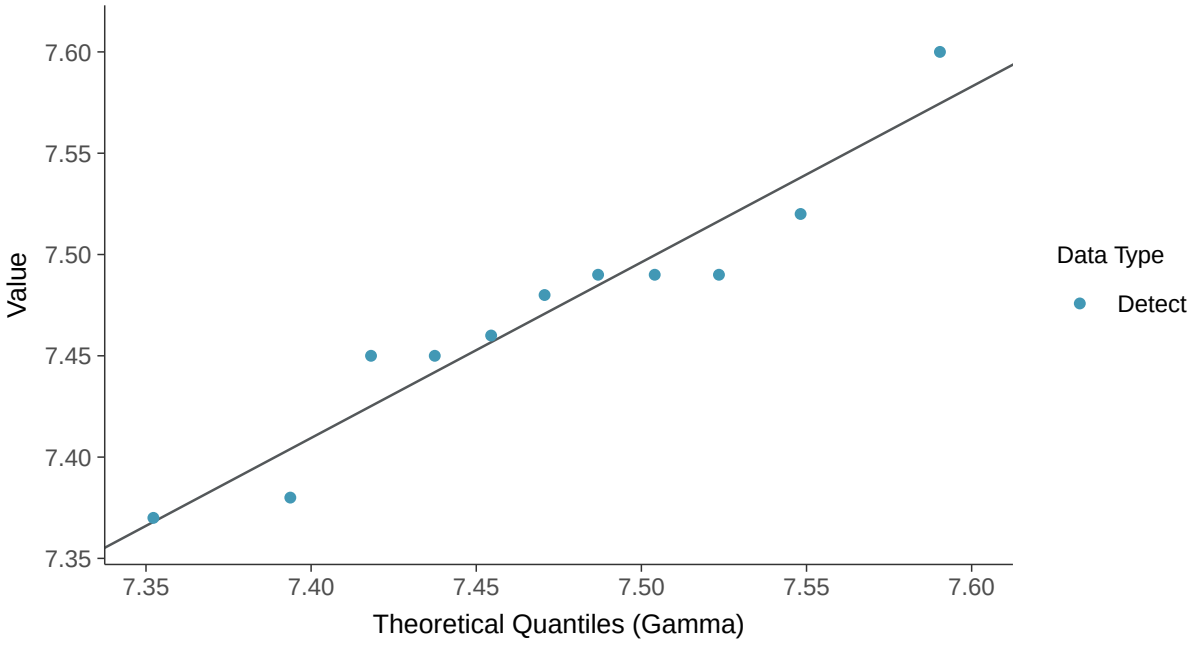
Lognormal Q-Q plot

pH, Field, MW-17D (su)



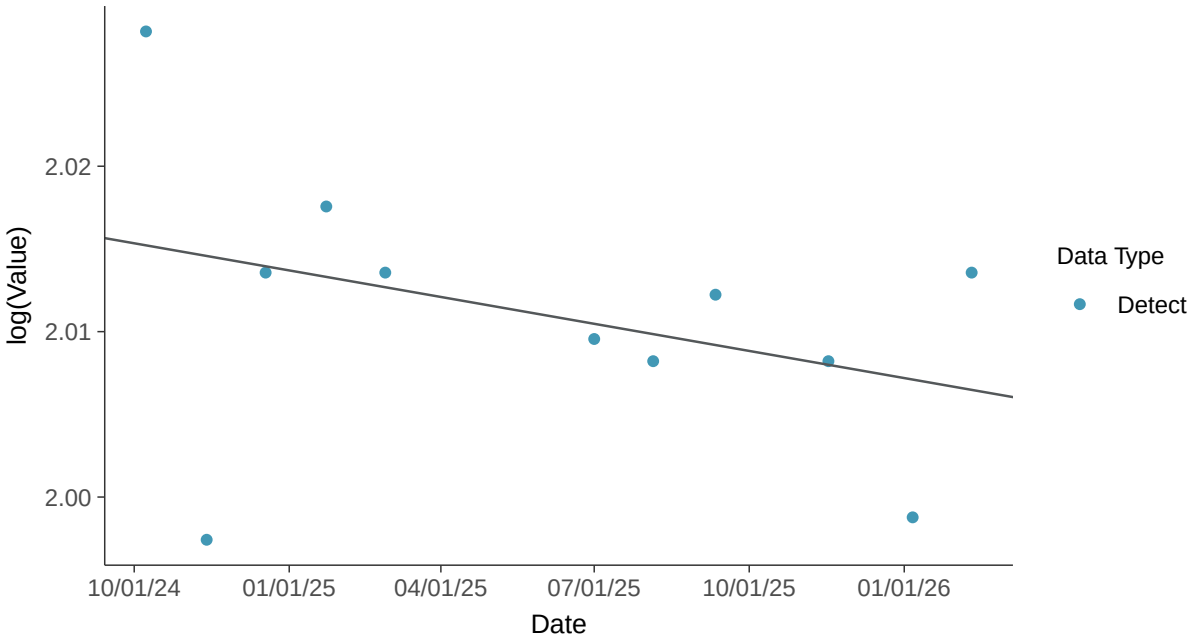
Gamma Q-Q plot

pH, Field, MW-17D (su)



Trend Regression: Lognormal MLE

pH, Field, MW-17D (su)

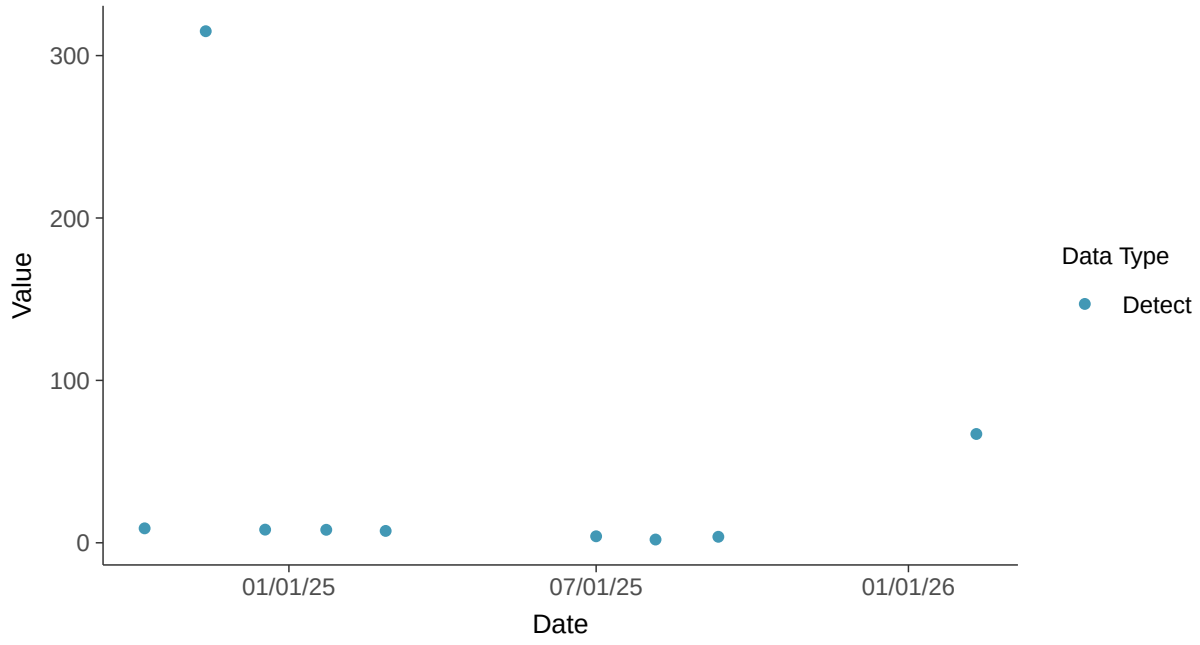


Appendix III: Sulfate, MW-17D

ID: 14_2_124

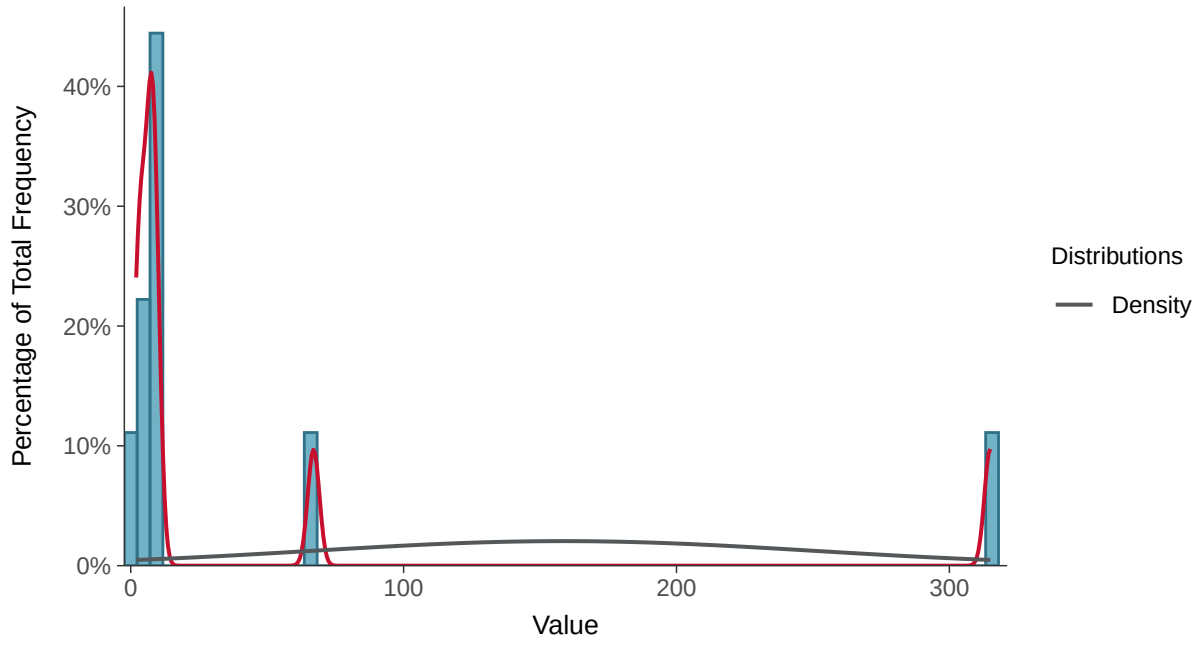
Scatter Plot

Sulfate, MW-17D (mg/l)



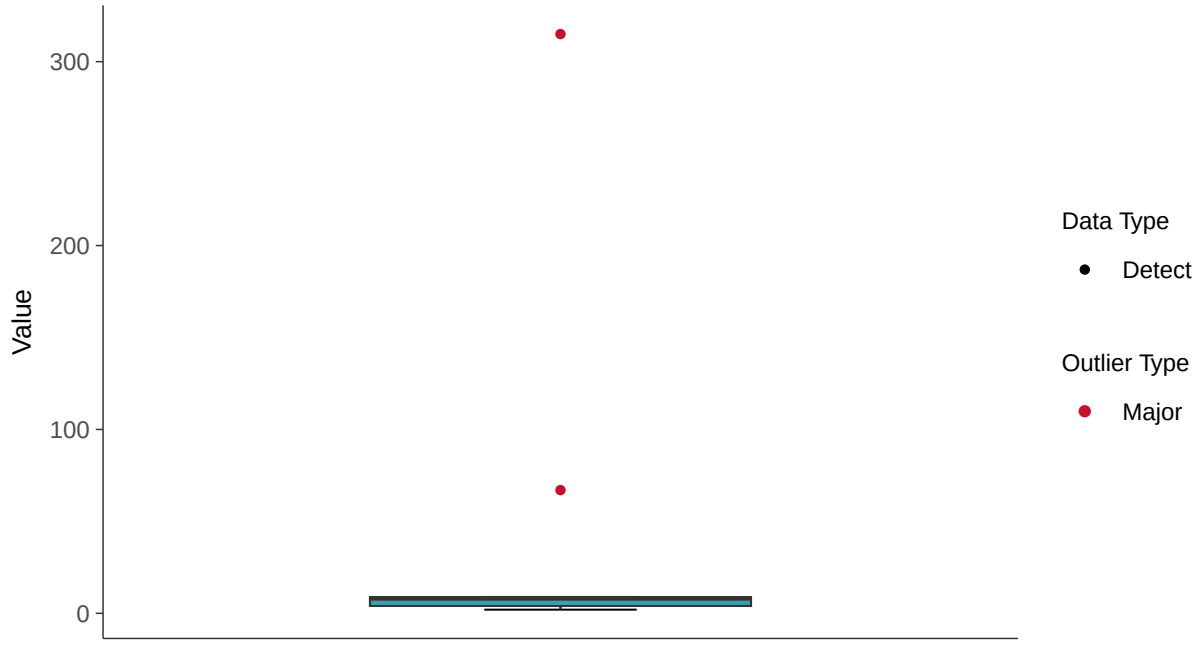
Histogram

Sulfate, MW-17D (mg/l)



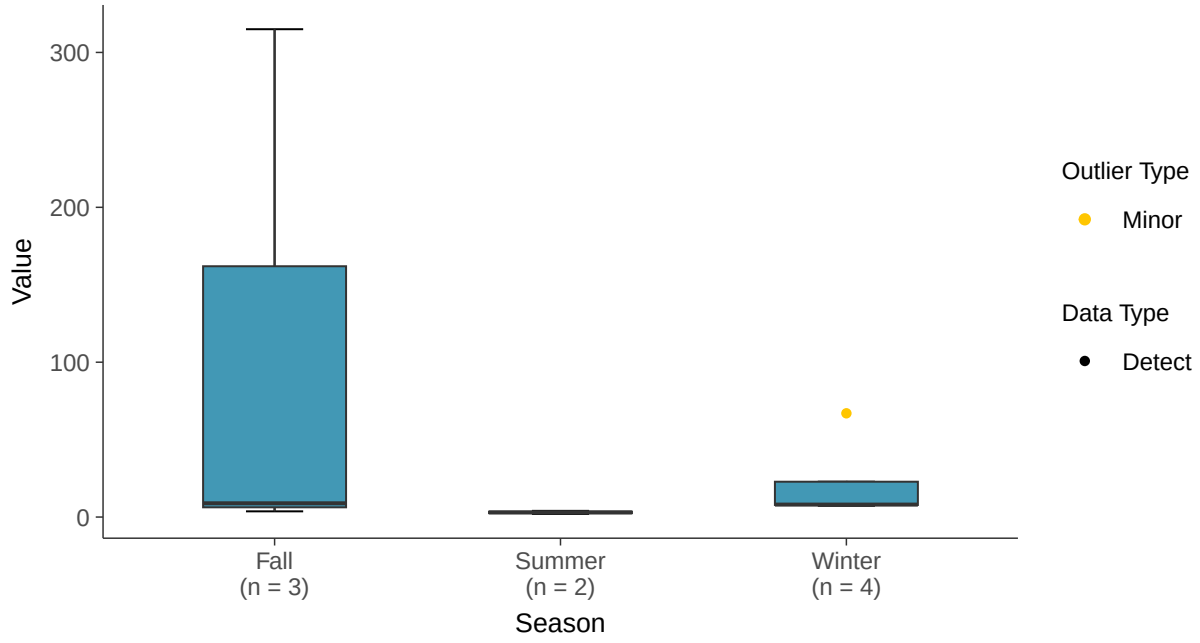
Boxplot

Sulfate, MW-17D (mg/l)



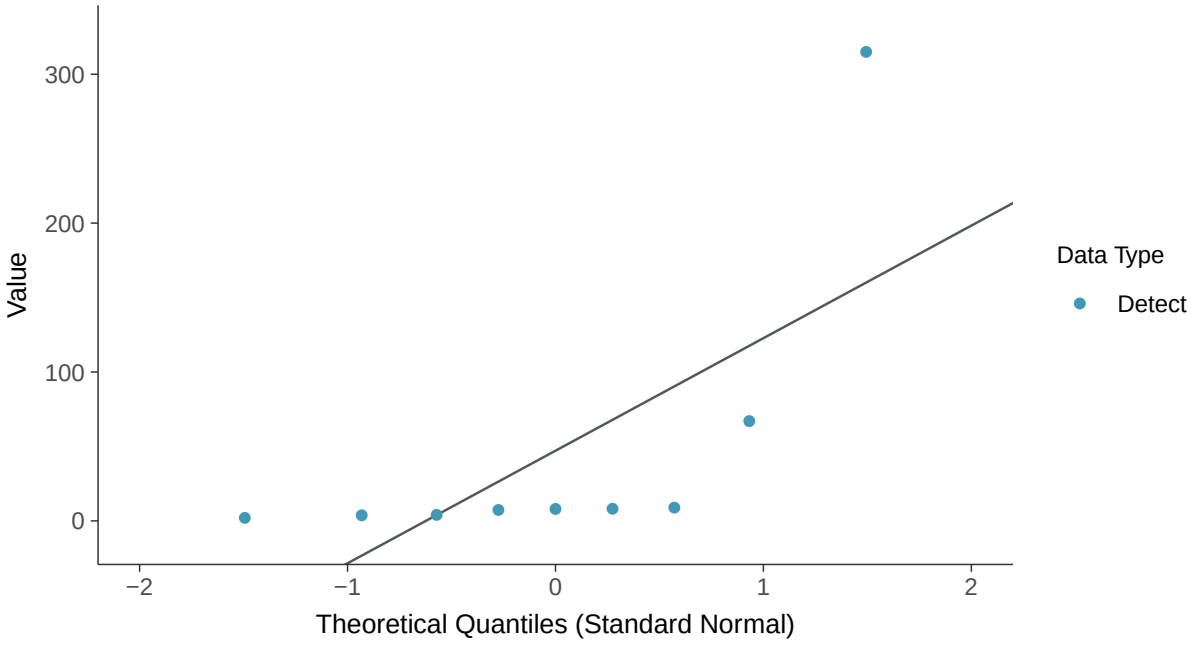
Boxplot by Season

Sulfate, MW-17D (mg/l)



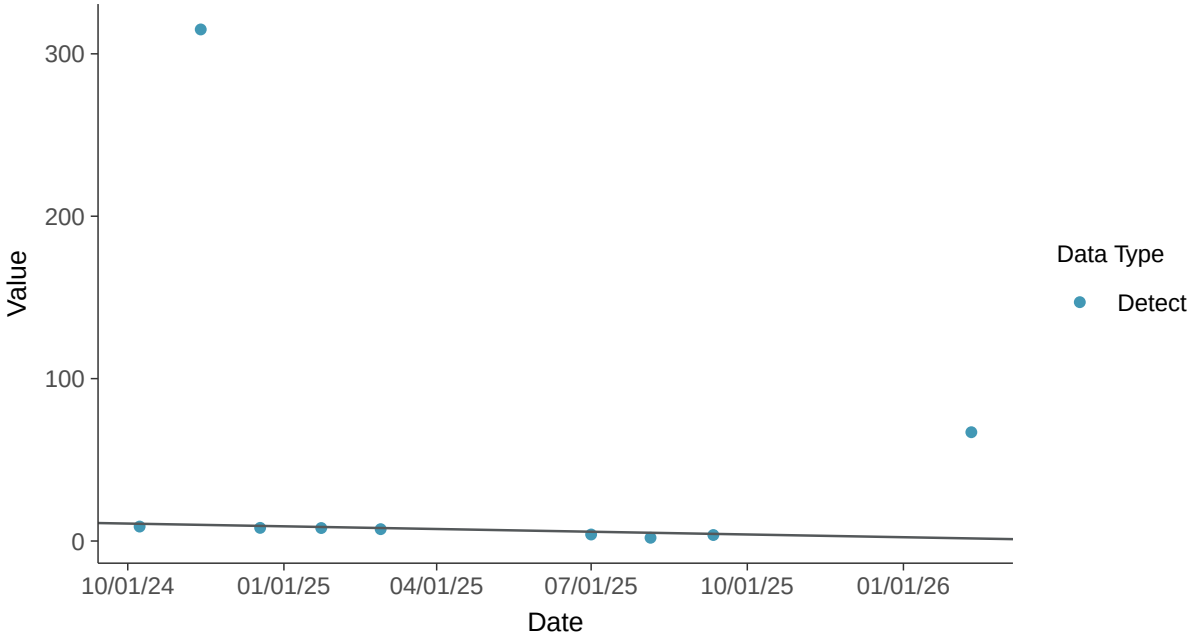
Normal Q-Q plot

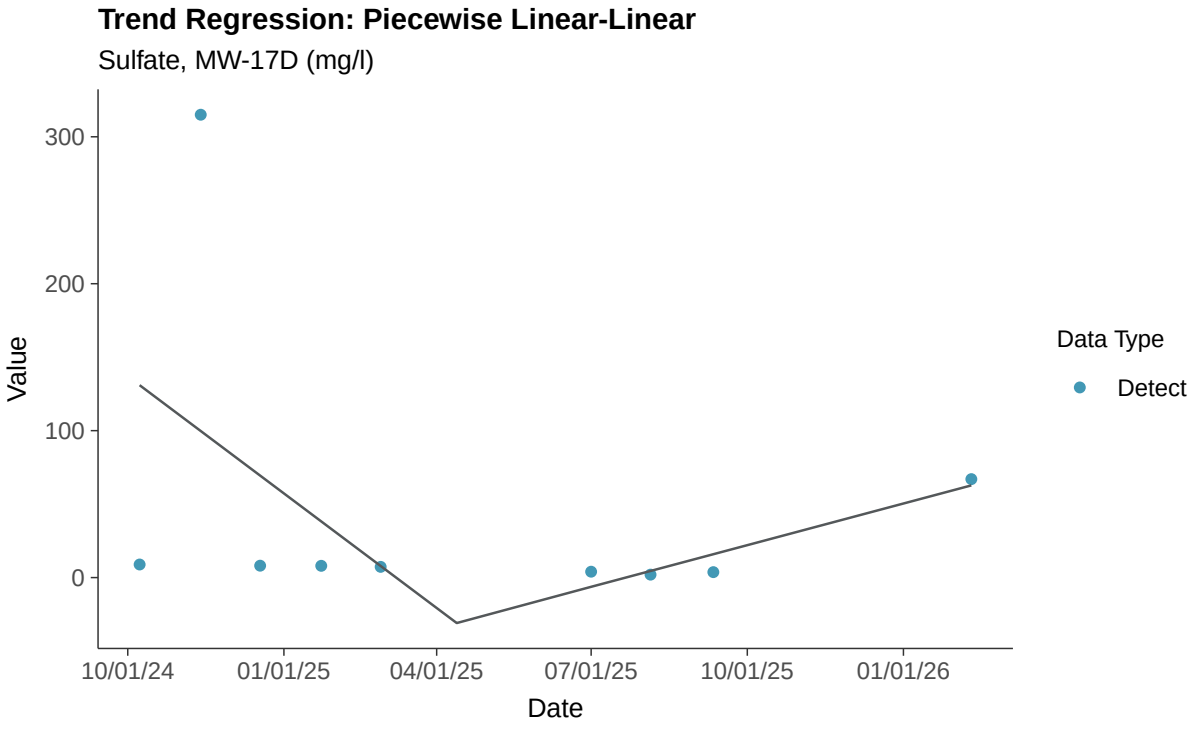
Sulfate, MW-17D (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

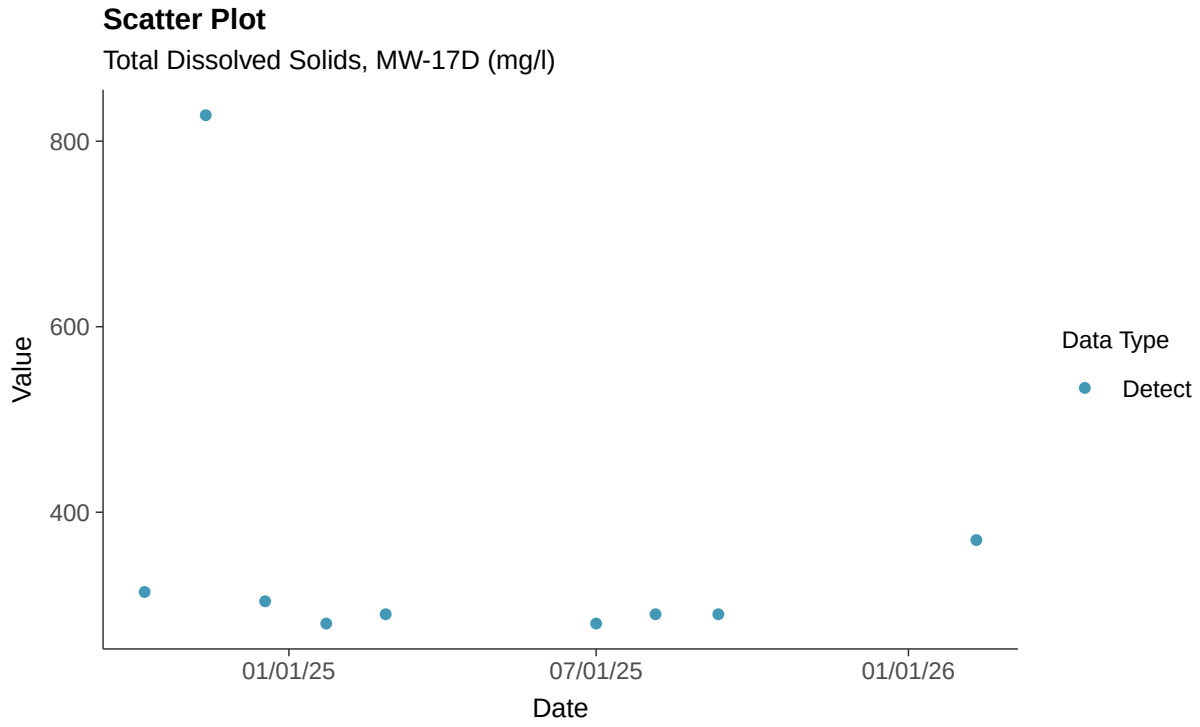
Sulfate, MW-17D (mg/l)

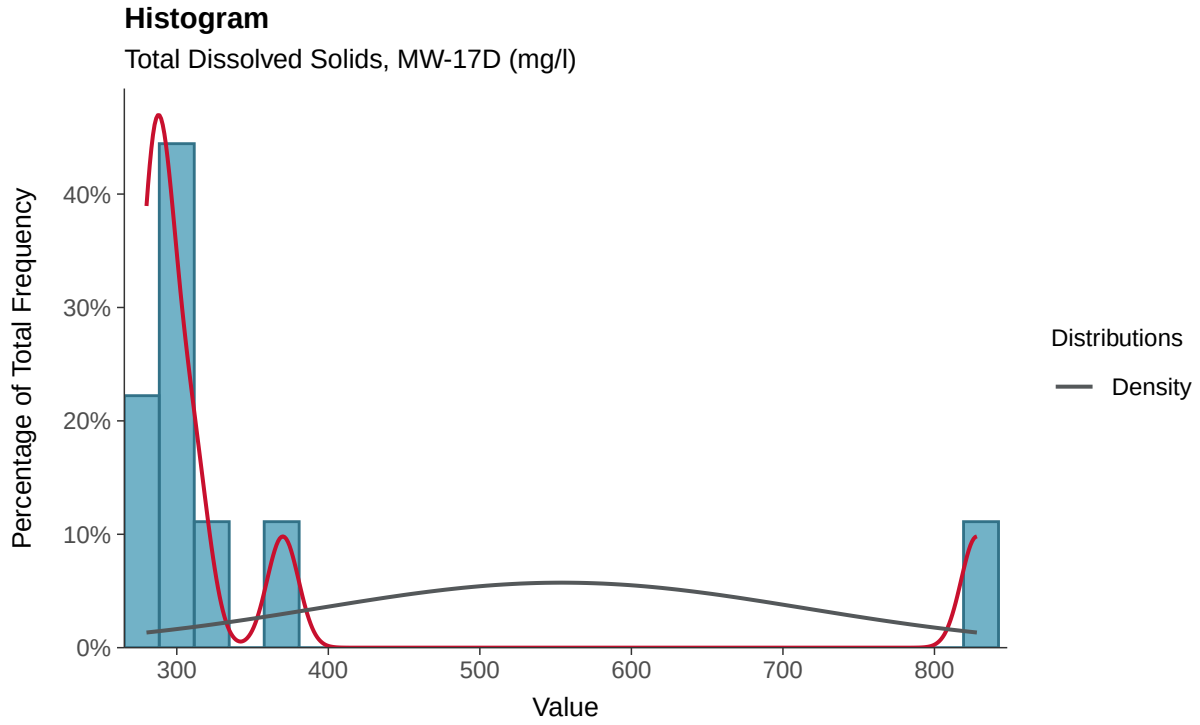



Trend Regression: Piecewise Linear-Linear
Sulfate, MW-17D (mg/l)
300
200
100
0
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Total Dissolved Solids, MW-17D

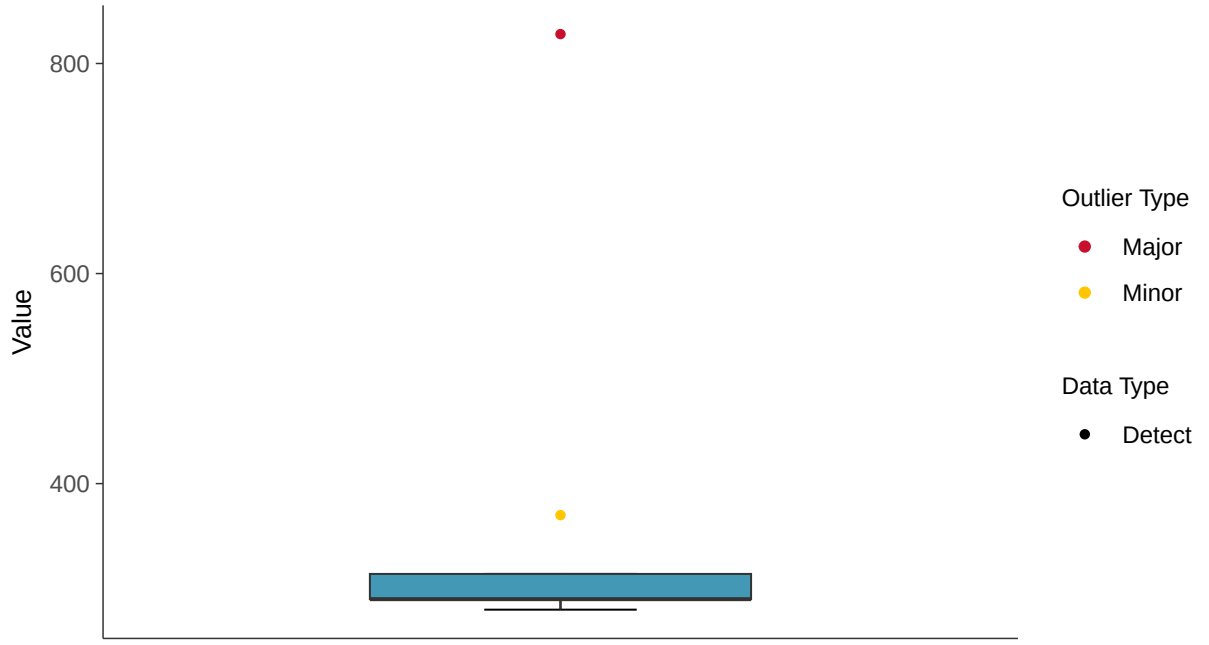
ID: 14_2_126





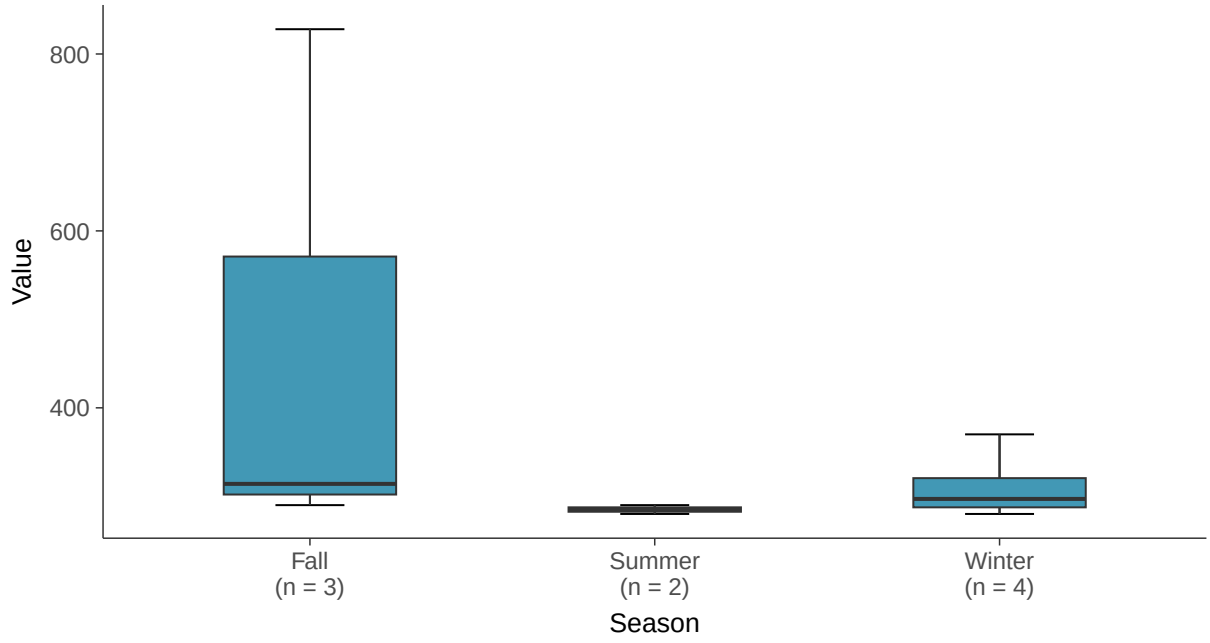
Boxplot

Total Dissolved Solids, MW-17D (mg/l)



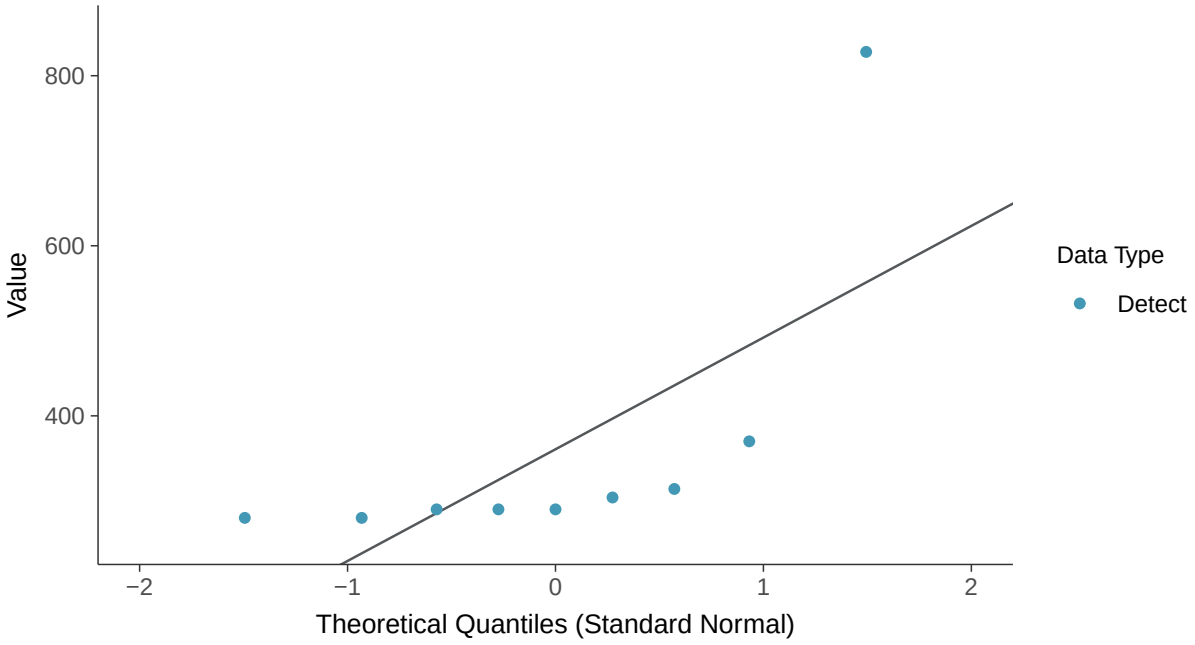
Boxplot by Season

Total Dissolved Solids, MW-17D (mg/l)



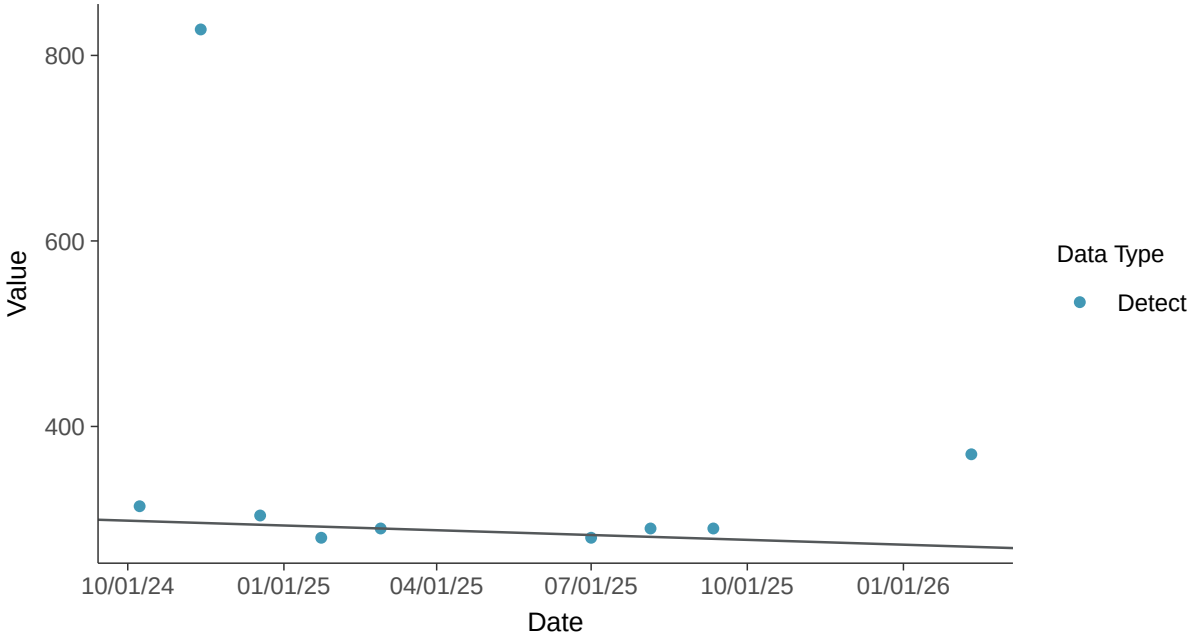
Normal Q-Q plot

Total Dissolved Solids, MW-17D (mg/l)



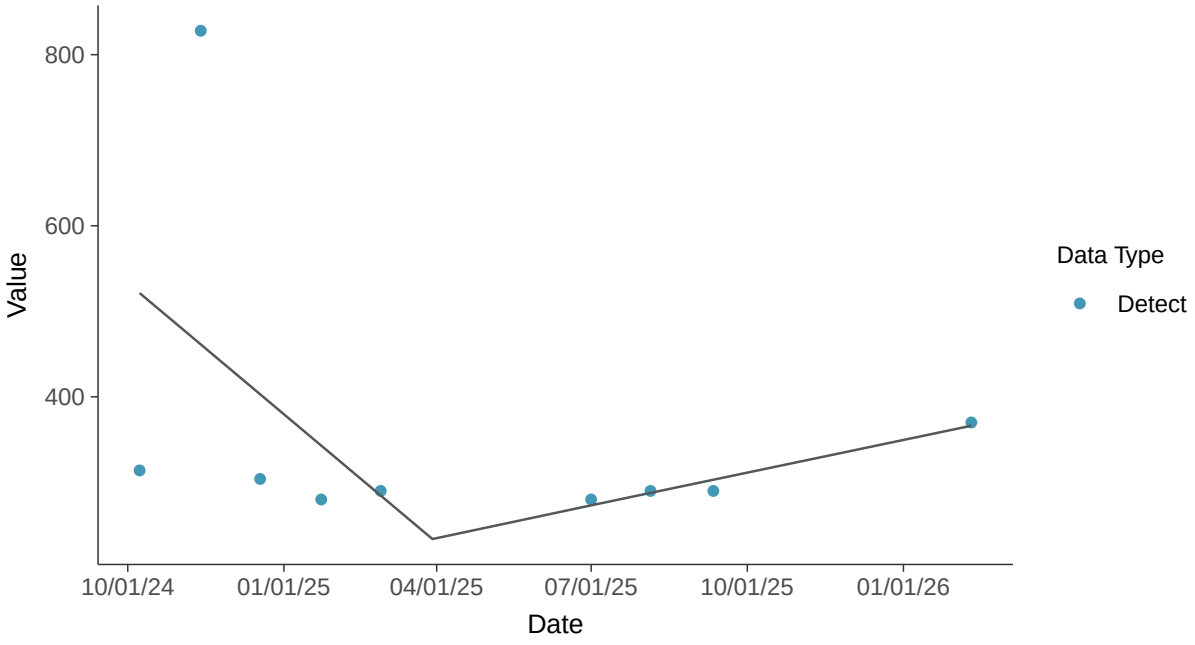
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Total Dissolved Solids, MW-17D (mg/l)



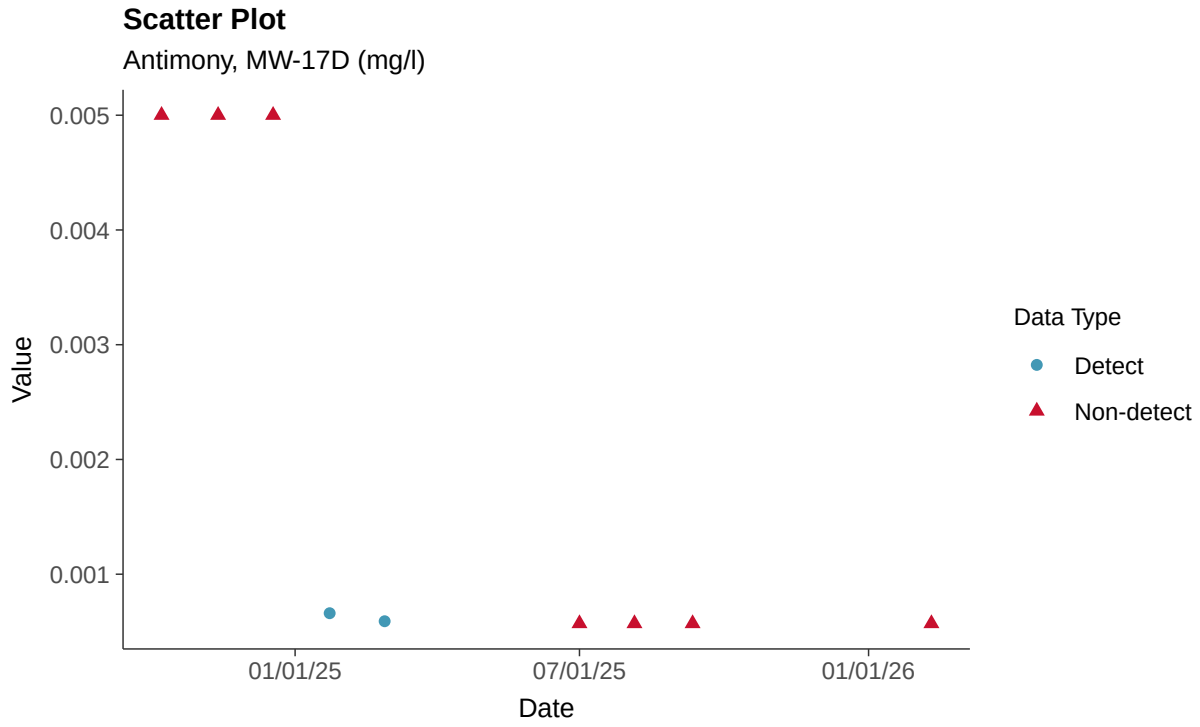
Trend Regression: Piecewise Linear-Linear

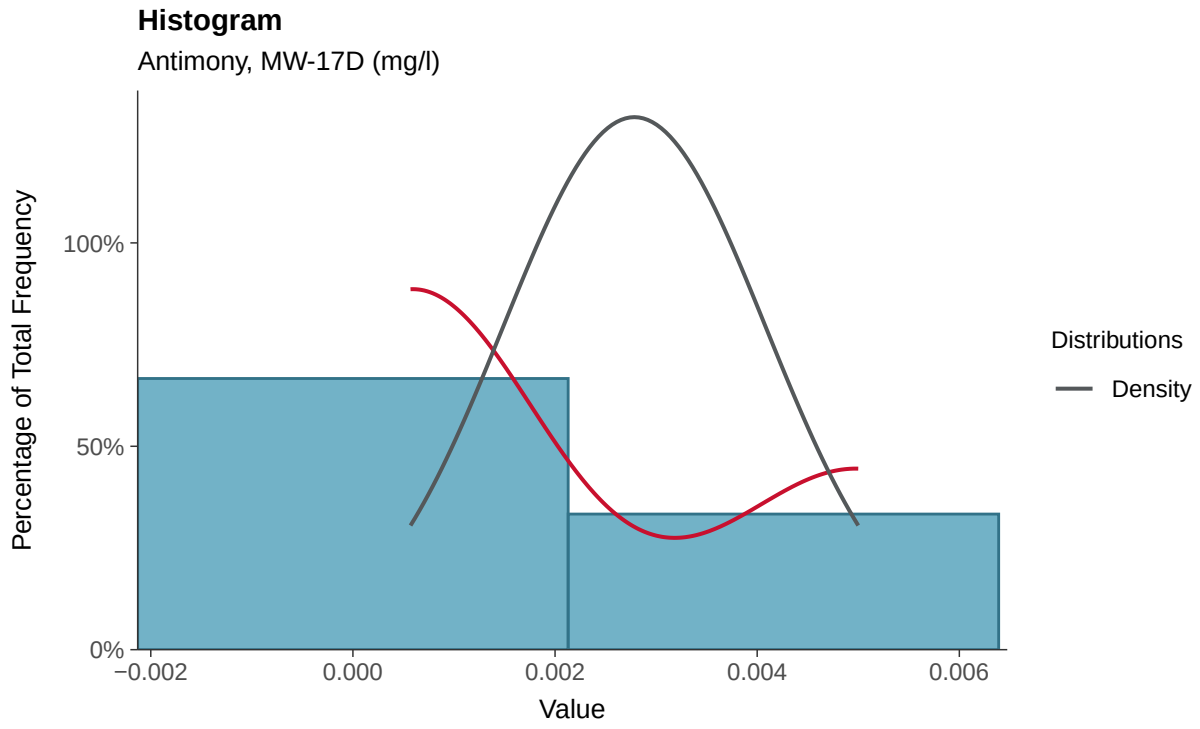
Total Dissolved Solids, MW-17D (mg/l)



Appendix IV: Antimony, MW-17D

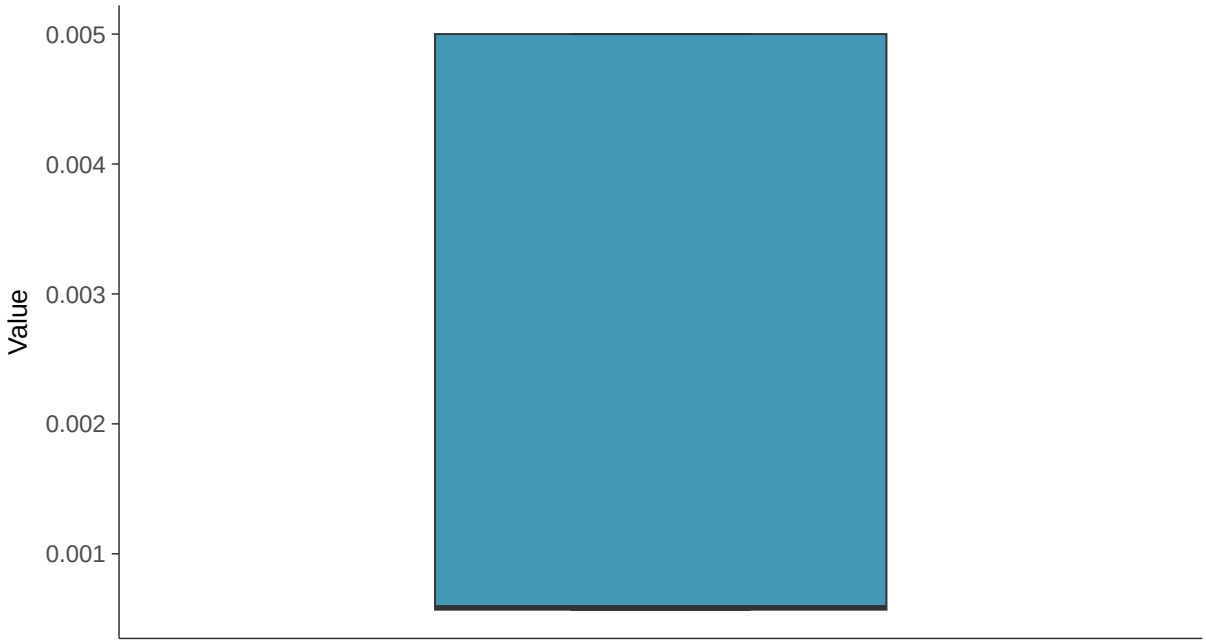
ID: 14_3_101





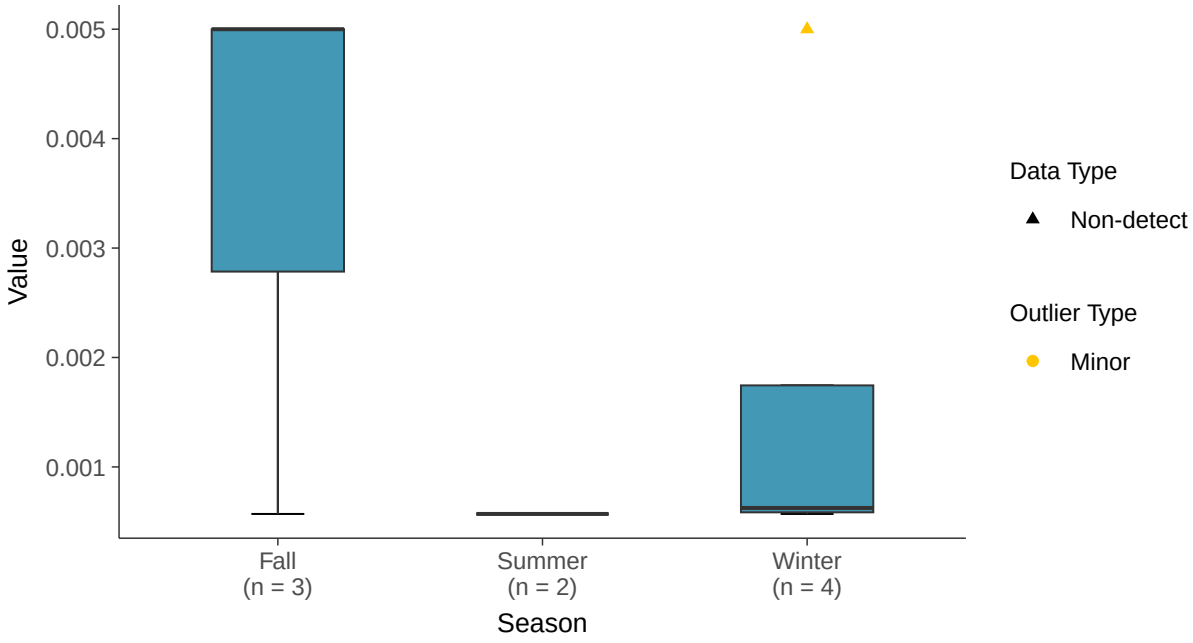
Boxplot

Antimony, MW-17D (mg/l)



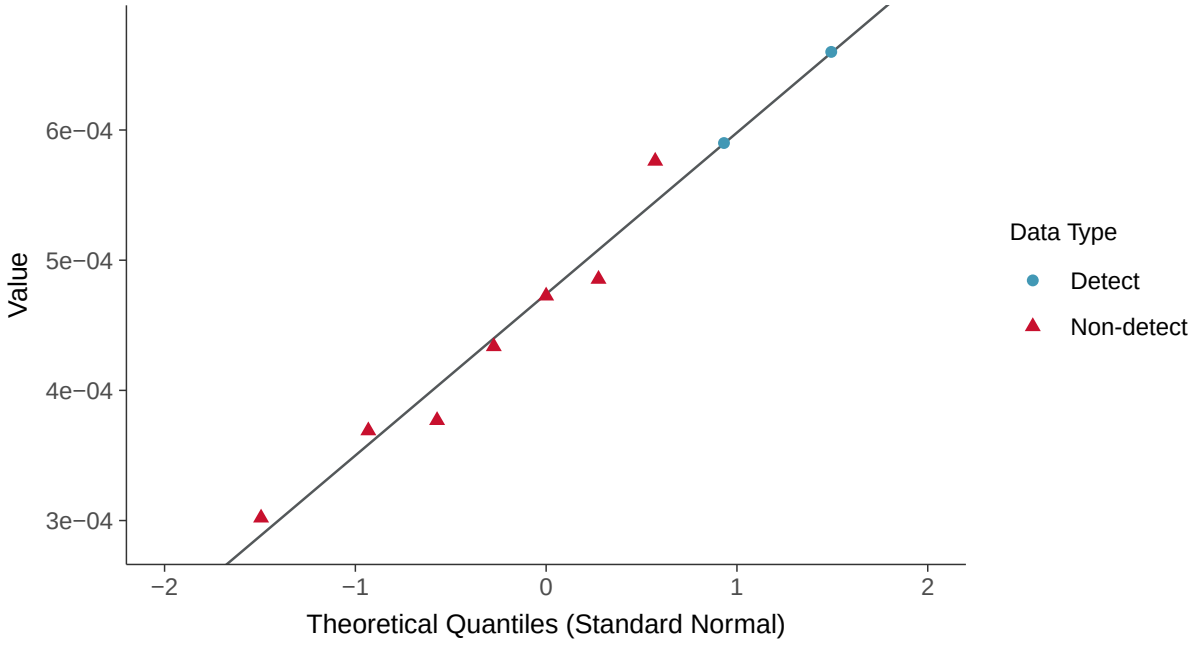
Boxplot by Season

Antimony, MW-17D (mg/l)



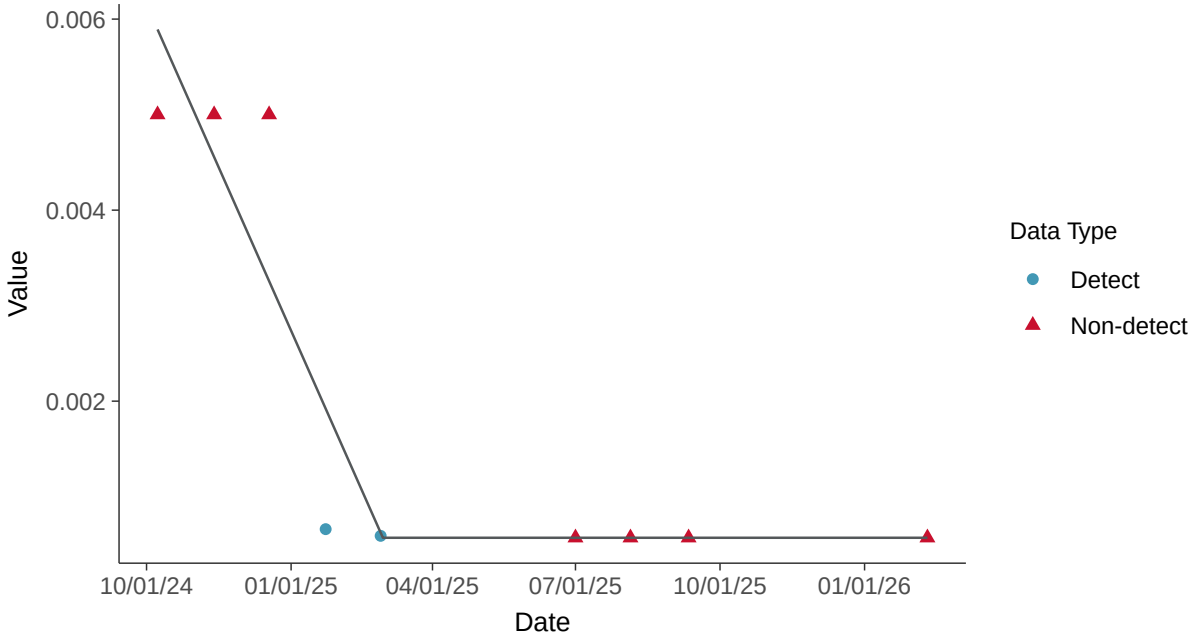
Normal Q-Q plot using ROS Imputed Estimates

Antimony, MW-17D (mg/l)



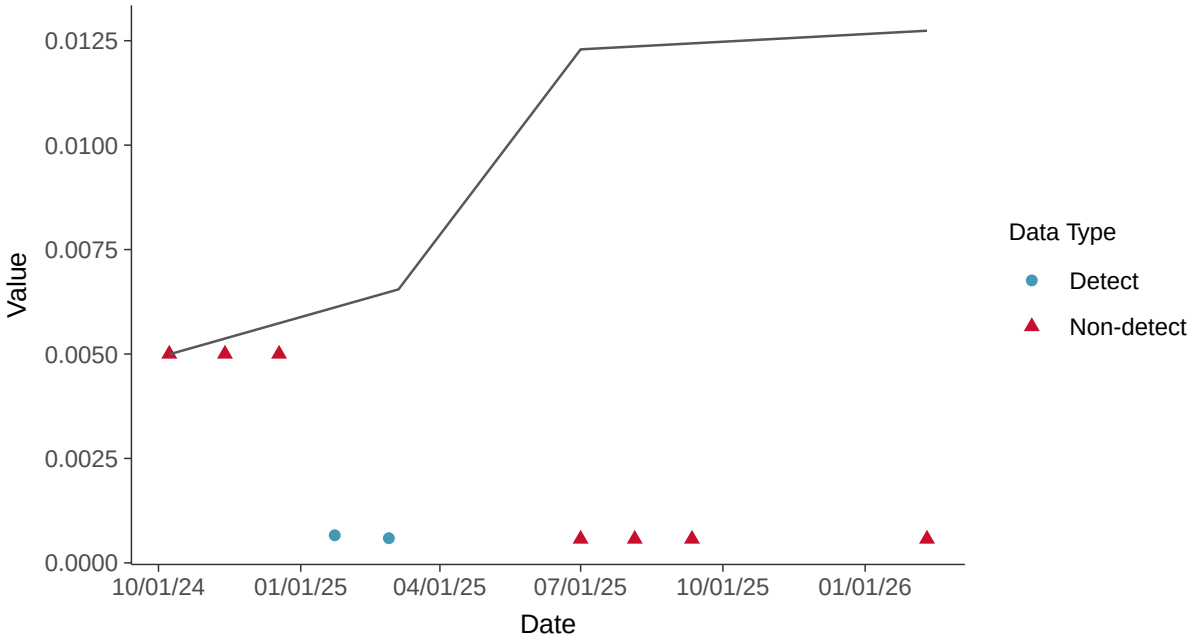
Trend Regression: Piecewise Linear-Linear

Antimony, MW-17D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Antimony, MW-17D (mg/l)

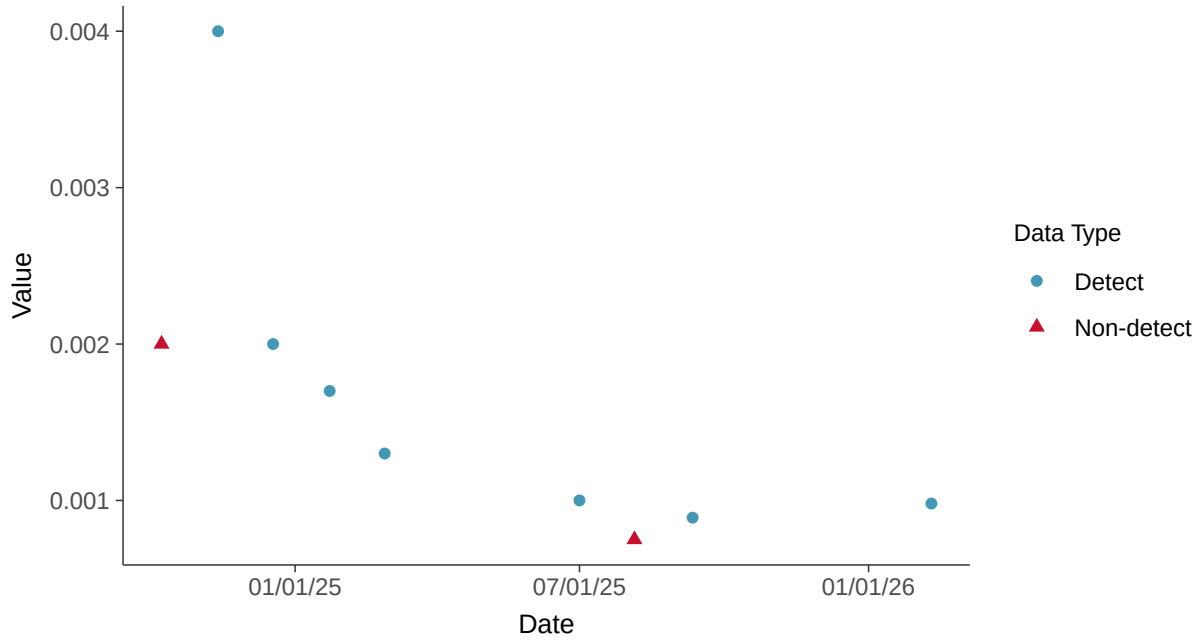


Appendix IV: Arsenic, MW-17D

ID: 14_3_102

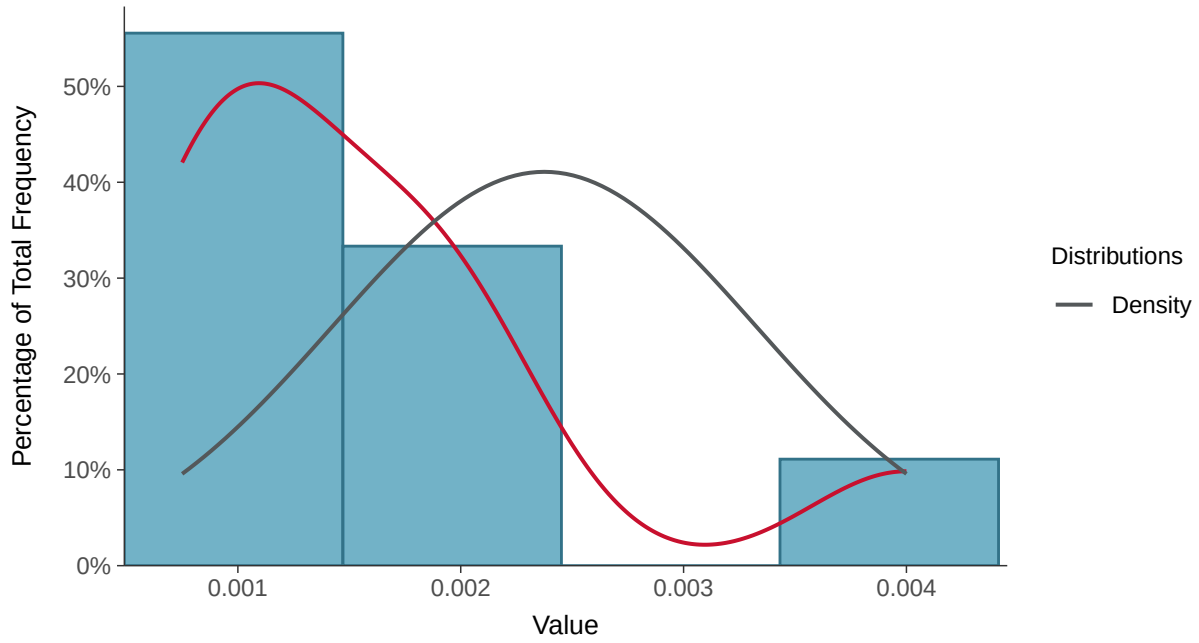
Scatter Plot

Arsenic, MW-17D (mg/l)



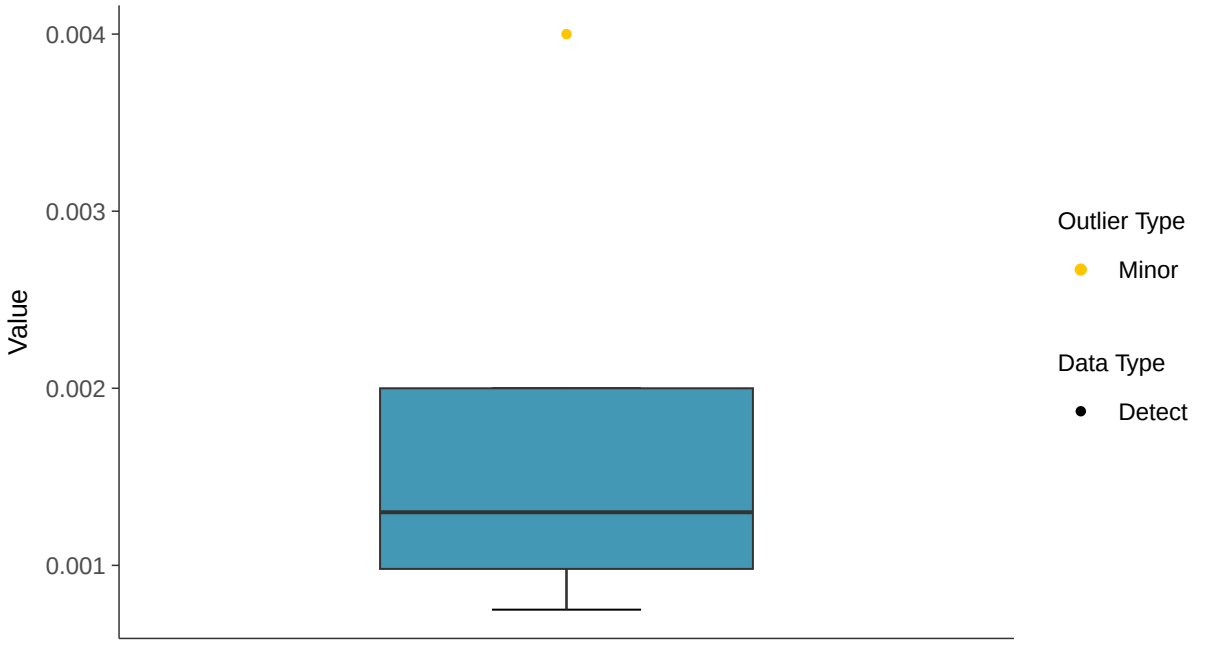
Histogram

Arsenic, MW-17D (mg/l)



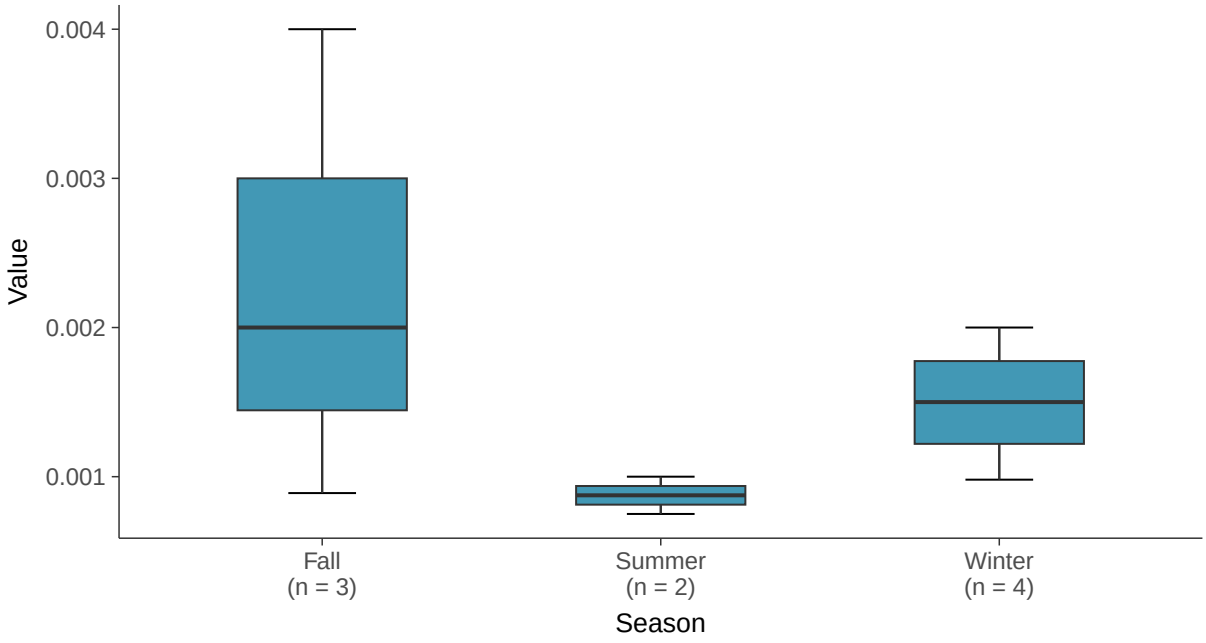
Boxplot

Arsenic, MW-17D (mg/l)



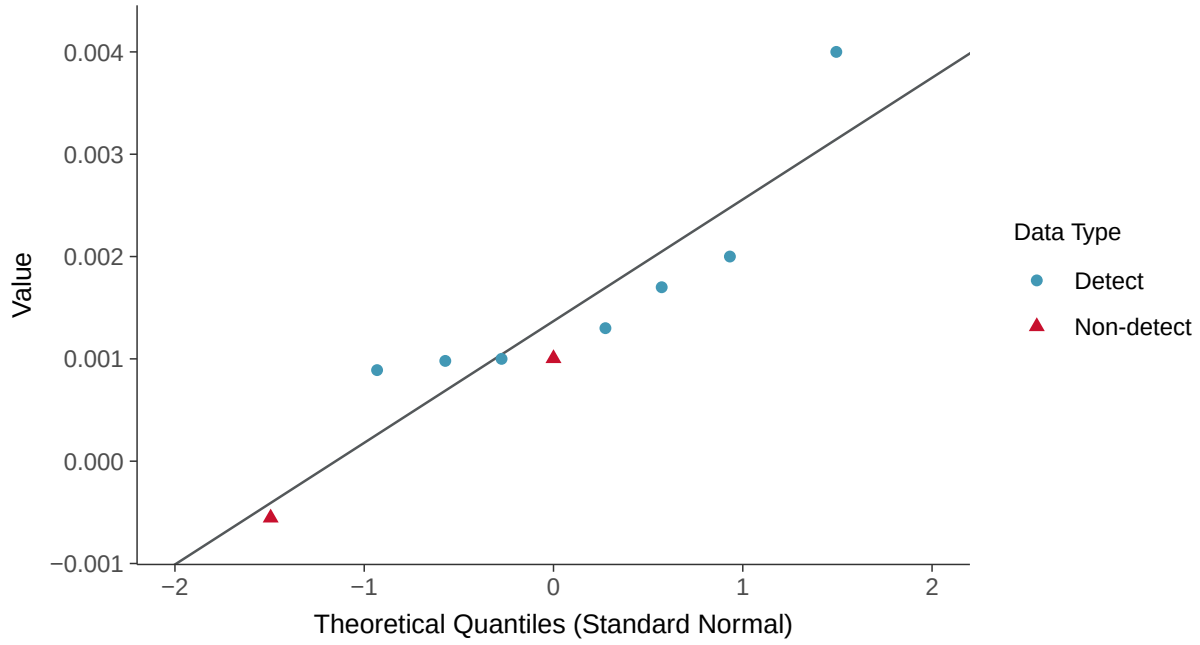
Boxplot by Season

Arsenic, MW-17D (mg/l)



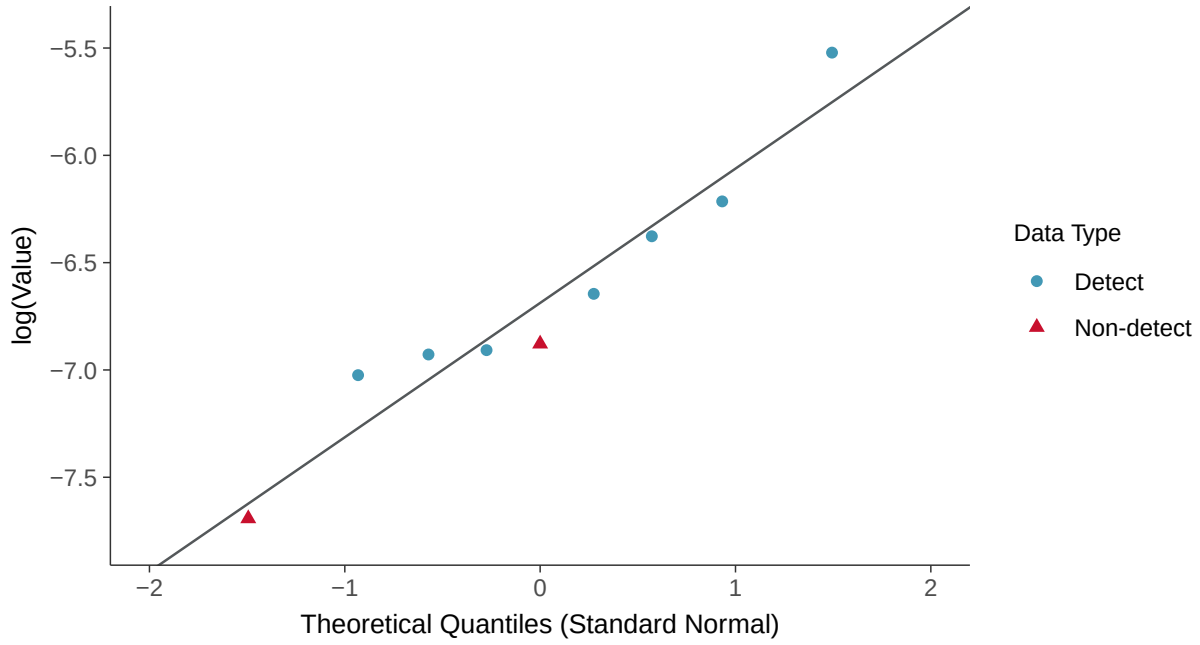
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-17D (mg/l)



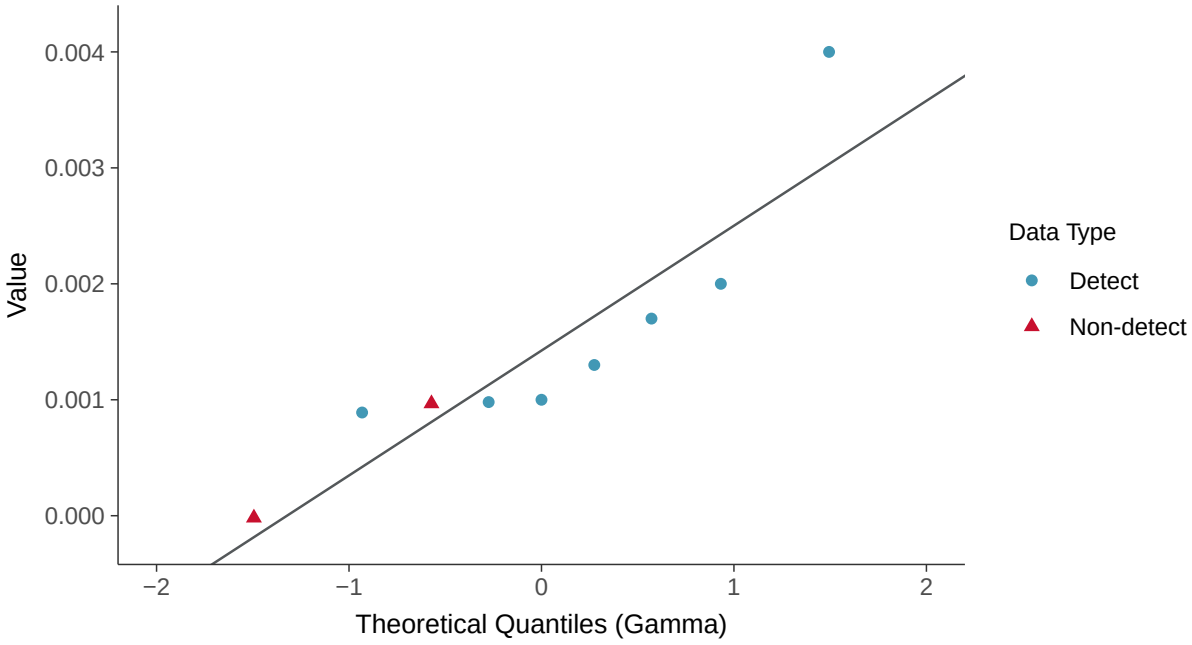
Lognormal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-17D (mg/l)



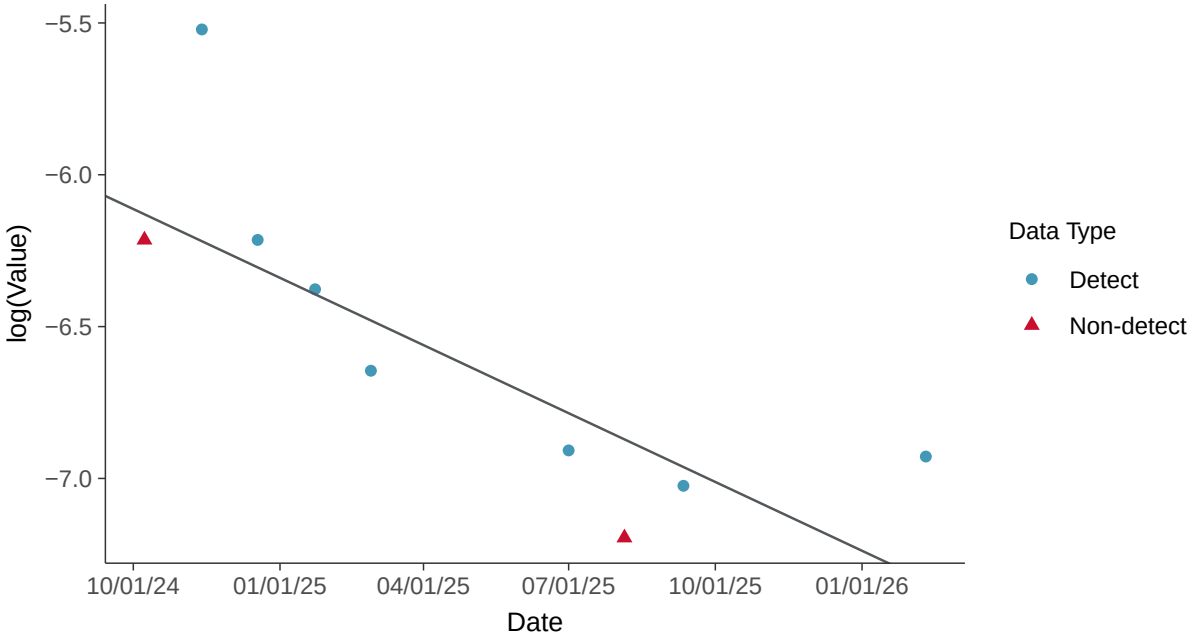
Gamma Q-Q plot using ROS Imputed Estimates

Arsenic, MW-17D (mg/l)



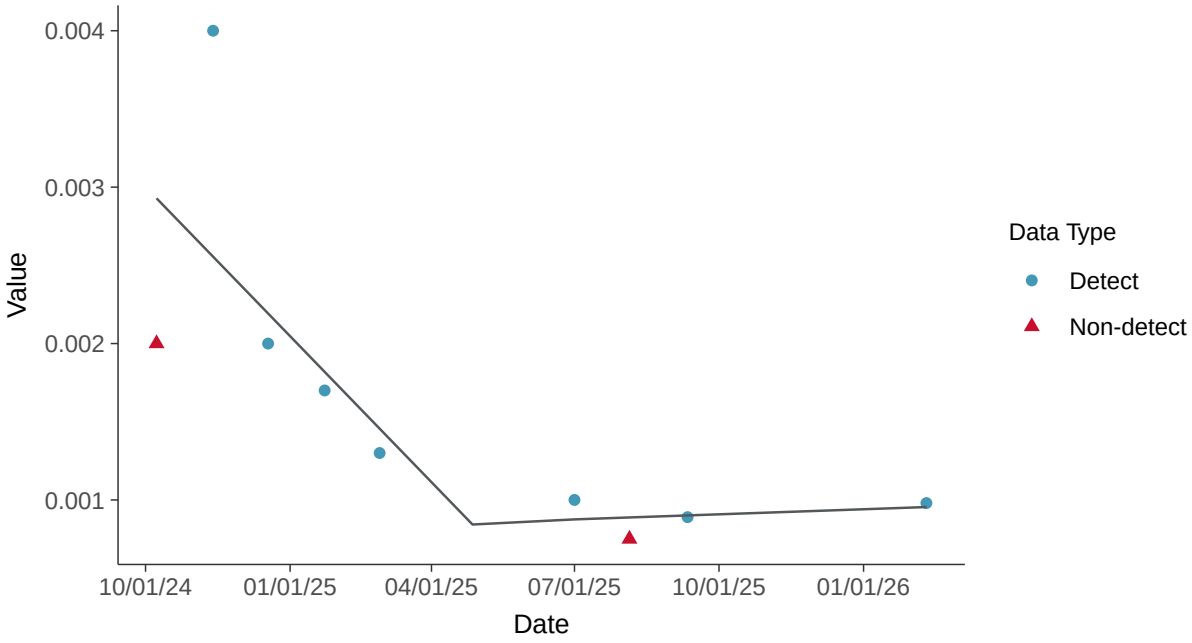
Trend Regression: Lognormal MLE

Arsenic, MW-17D (mg/l)



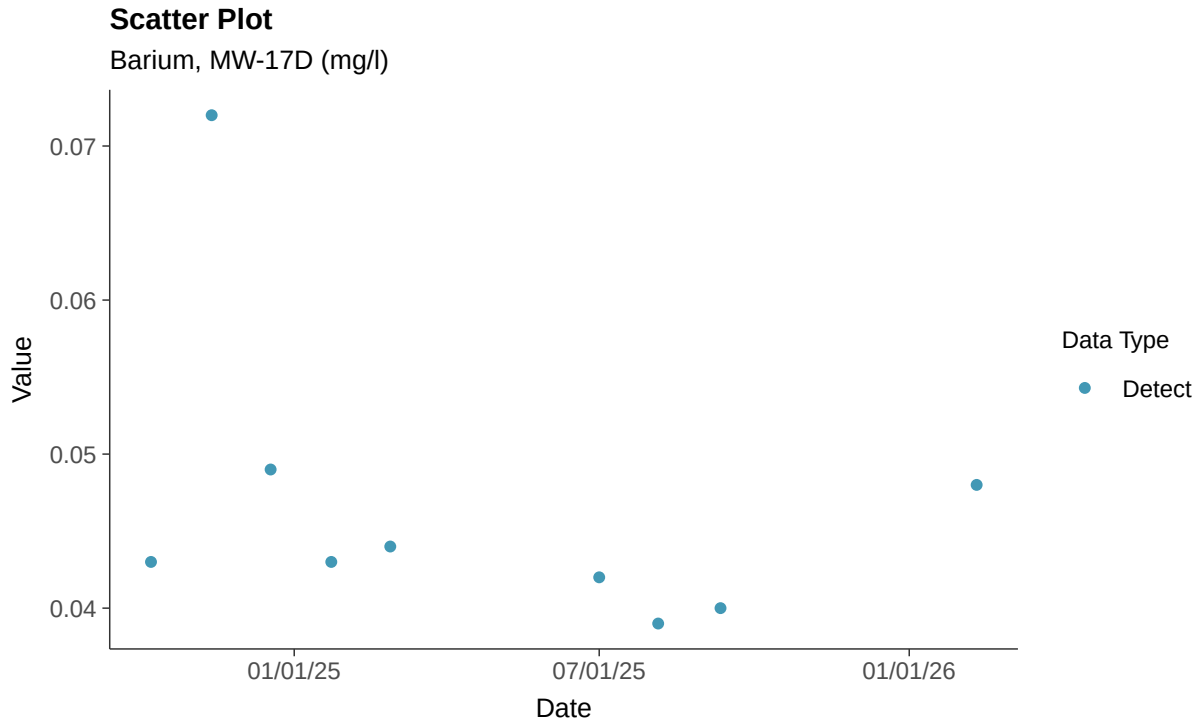
Trend Regression: Piecewise Linear-Linear

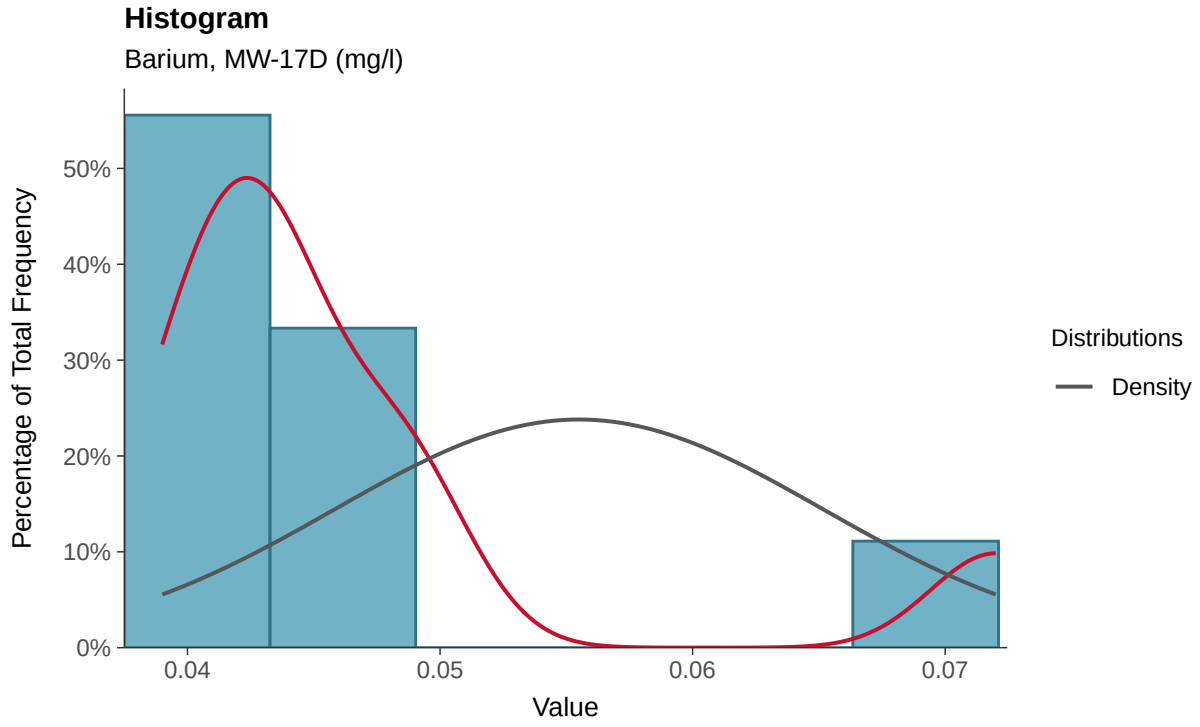
Arsenic, MW-17D (mg/l)



Appendix IV: Barium, MW-17D

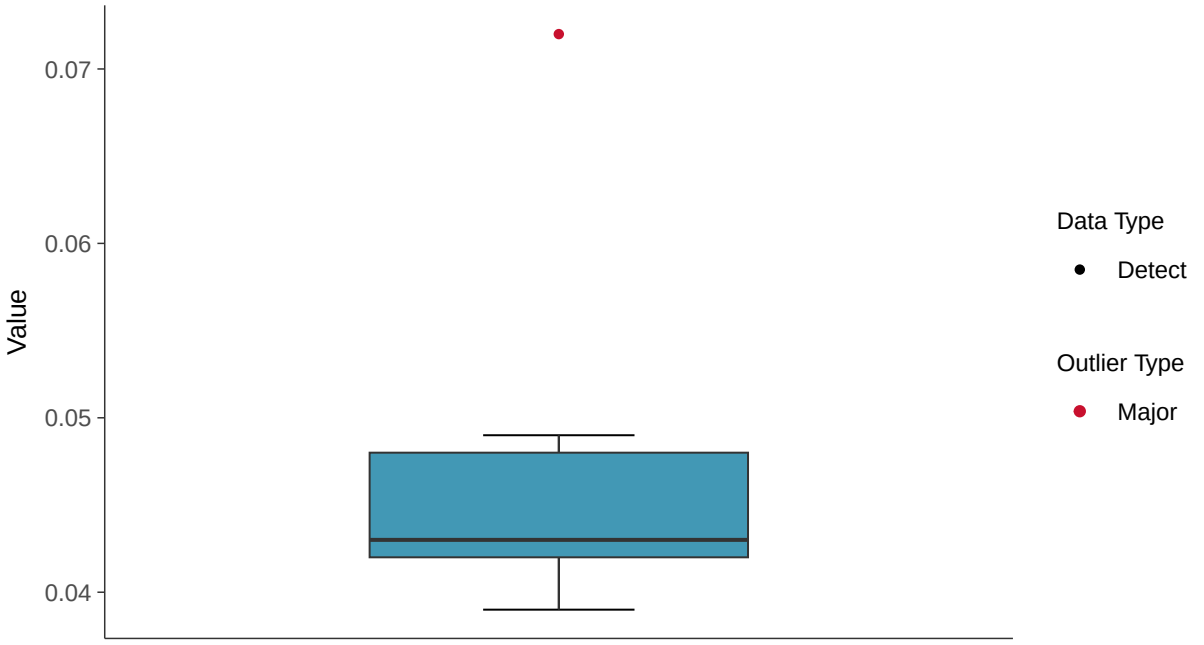
ID: 14_3_103





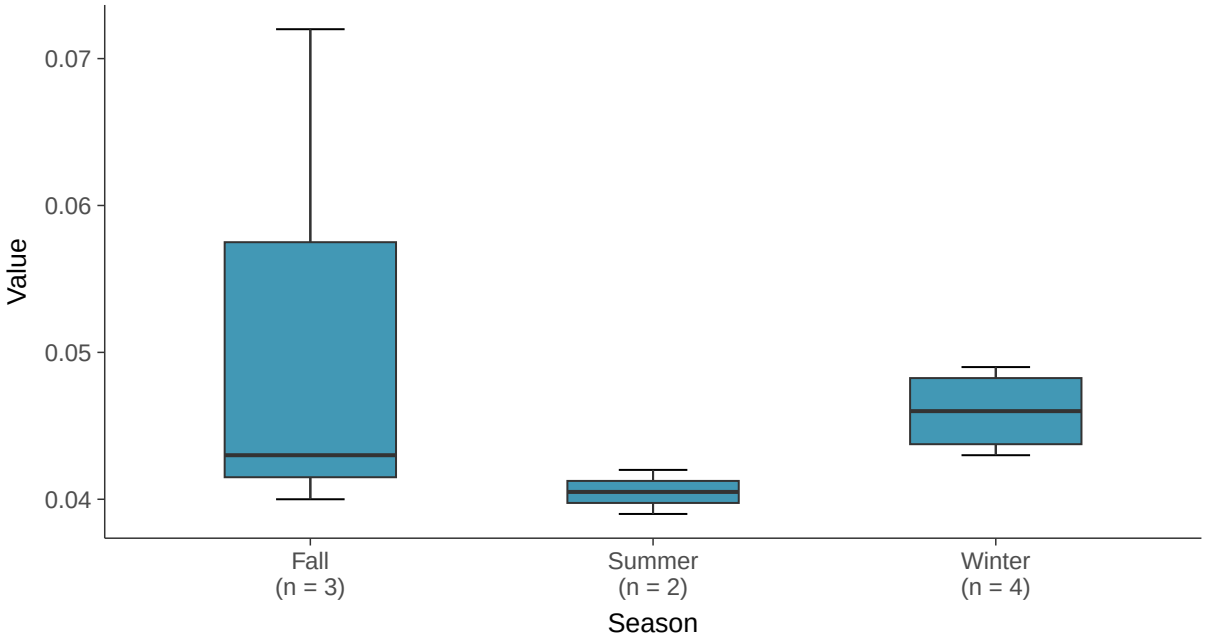
Boxplot

Barium, MW-17D (mg/l)



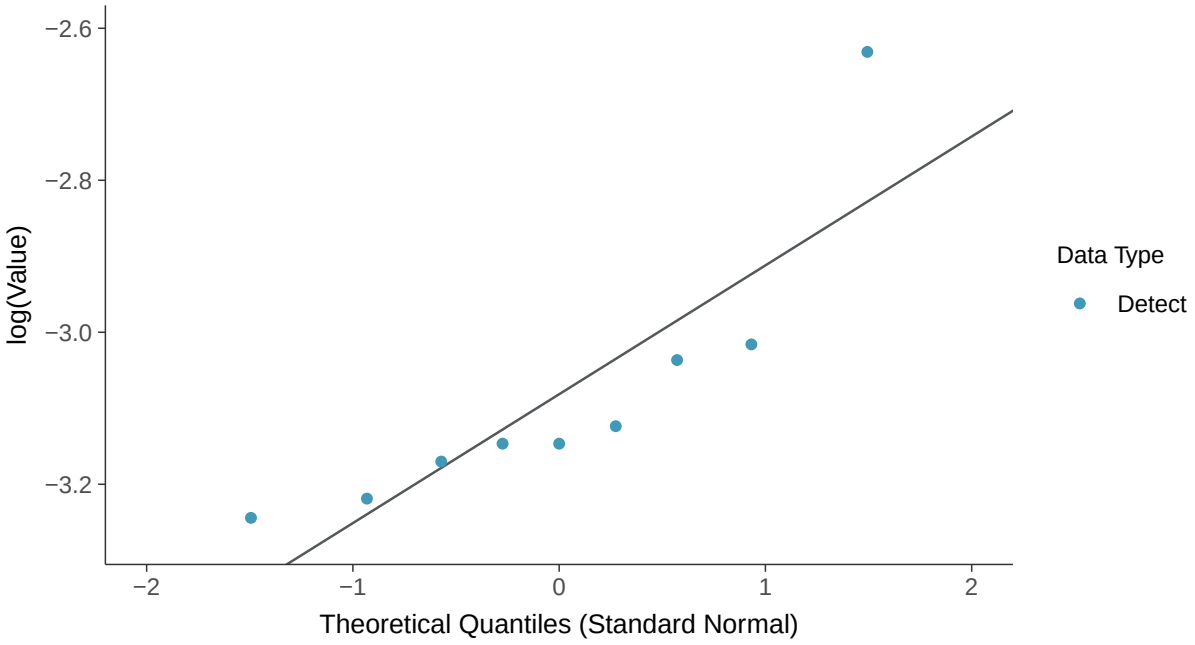
Boxplot by Season

Barium, MW-17D (mg/l)



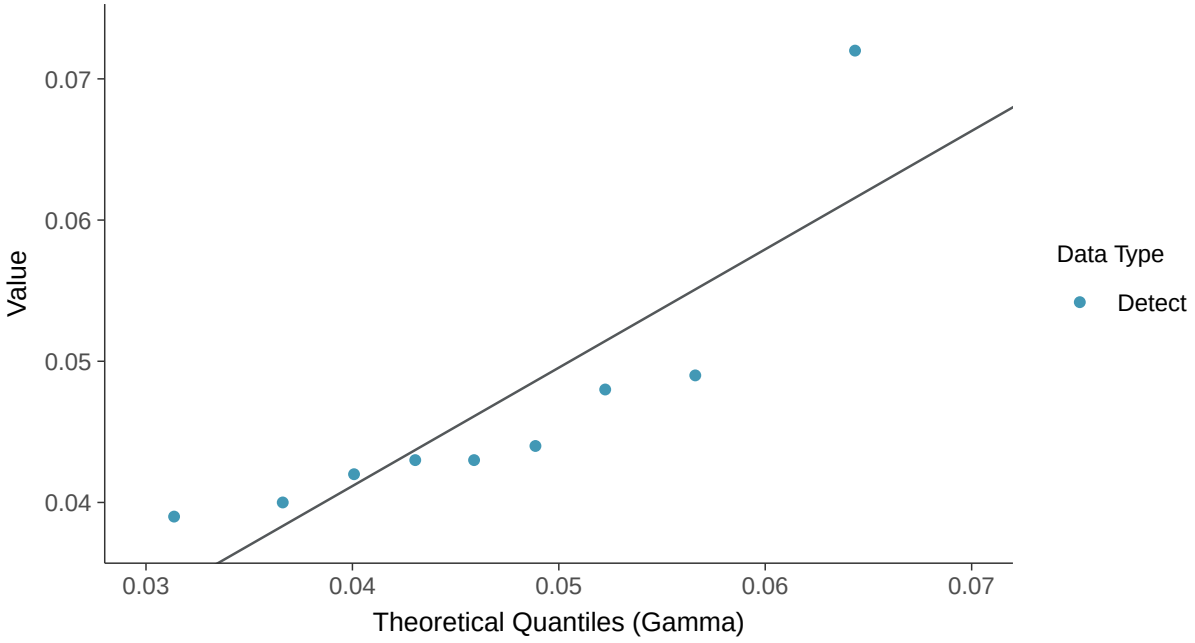
Lognormal Q-Q plot

Barium, MW-17D (mg/l)



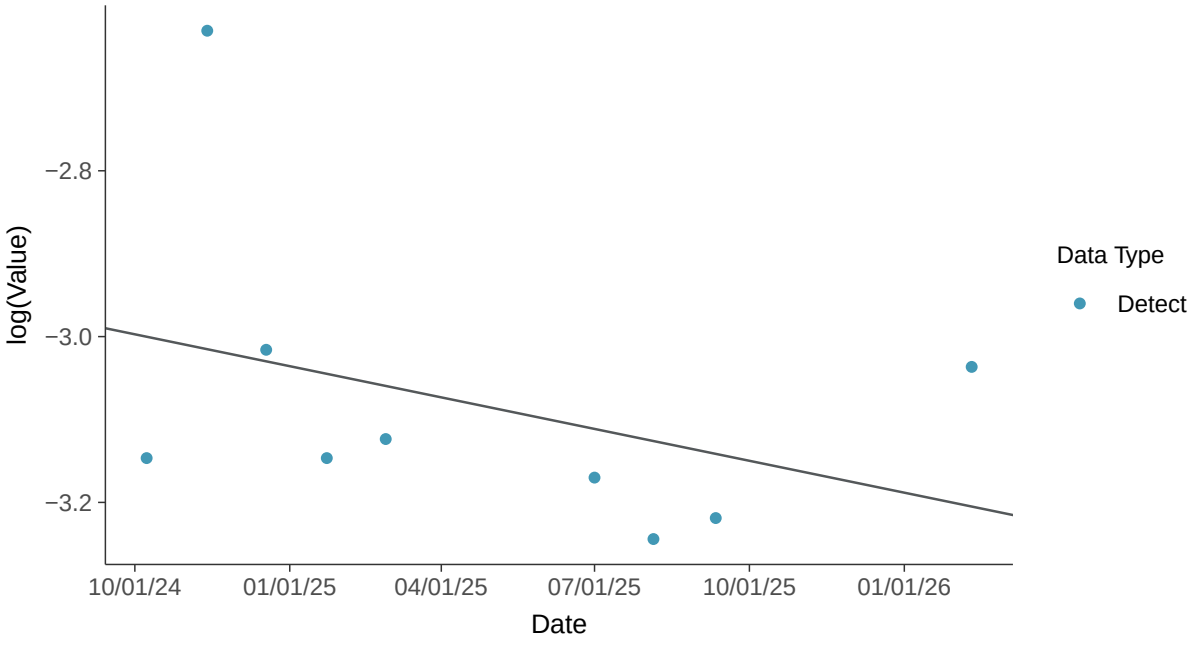
Gamma Q-Q plot

Barium, MW-17D (mg/l)



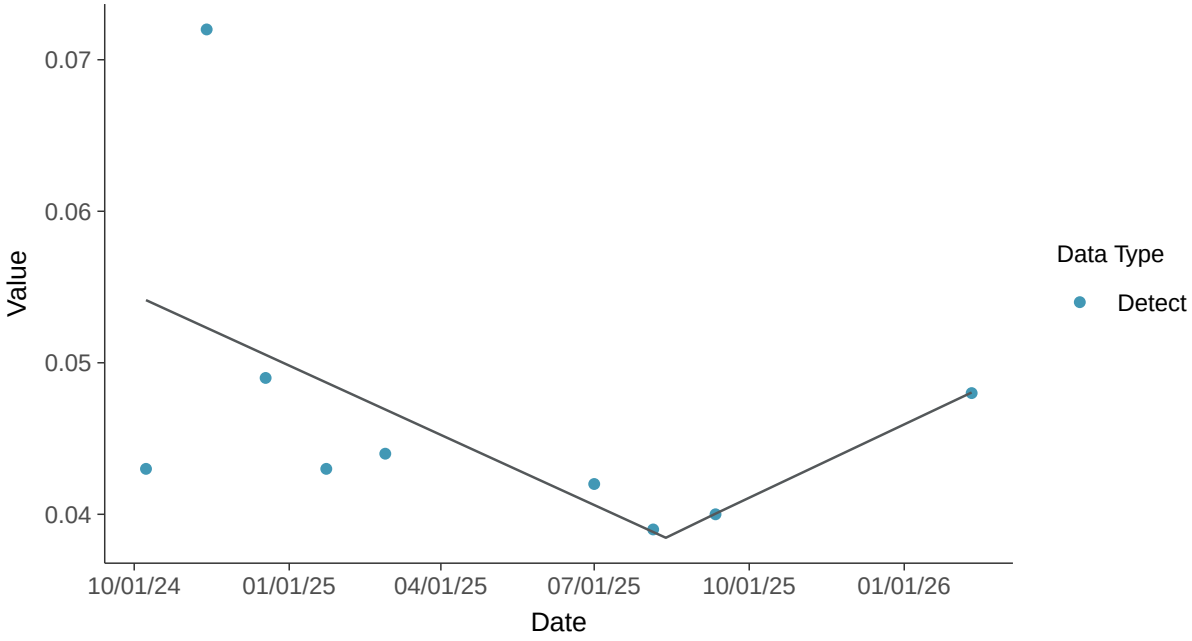
Trend Regression: Lognormal MLE

Barium, MW-17D (mg/l)



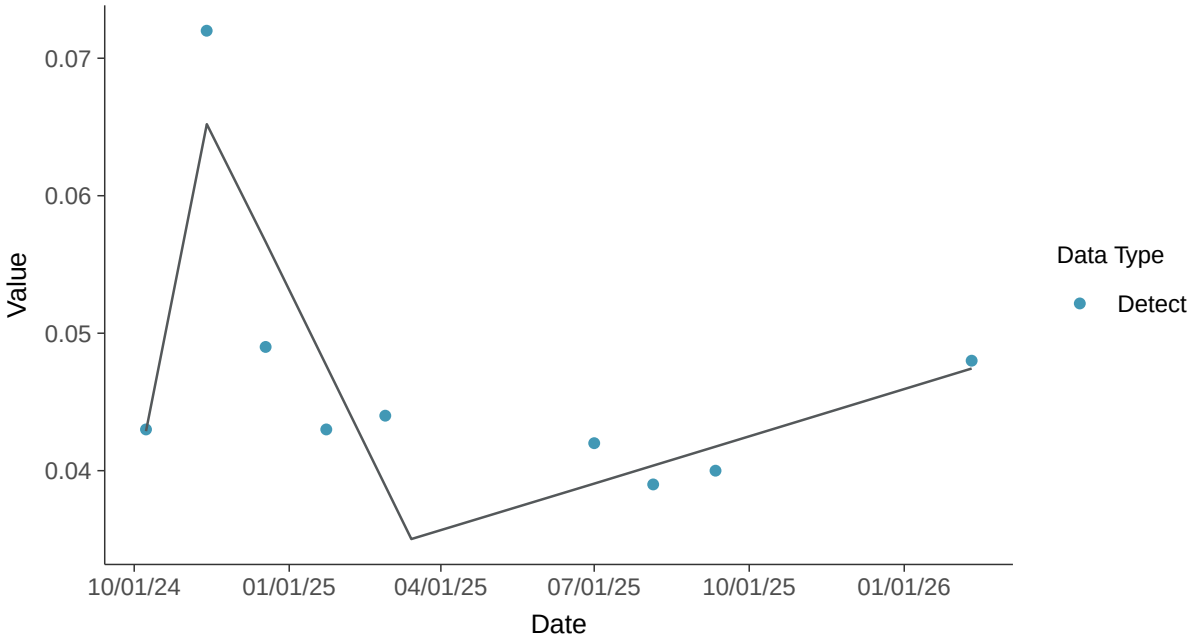
Trend Regression: Piecewise Linear-Linear

Barium, MW-17D (mg/l)



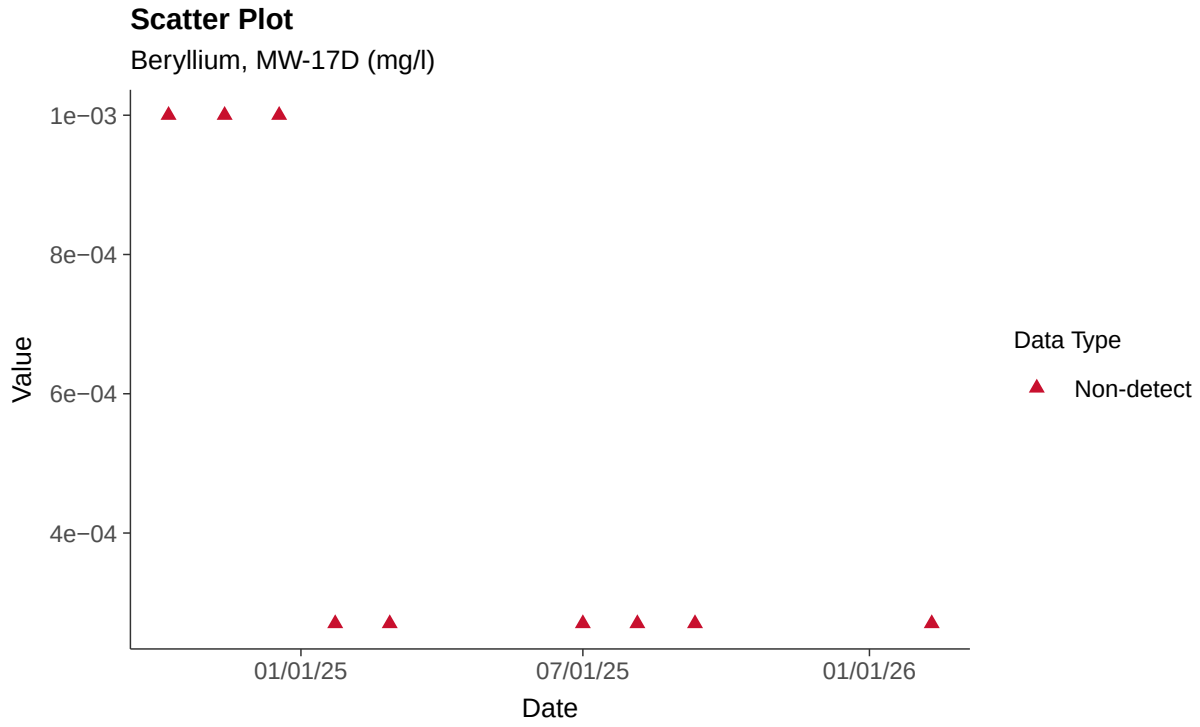
Trend Regression: Piecewise Linear-Linear-Linear

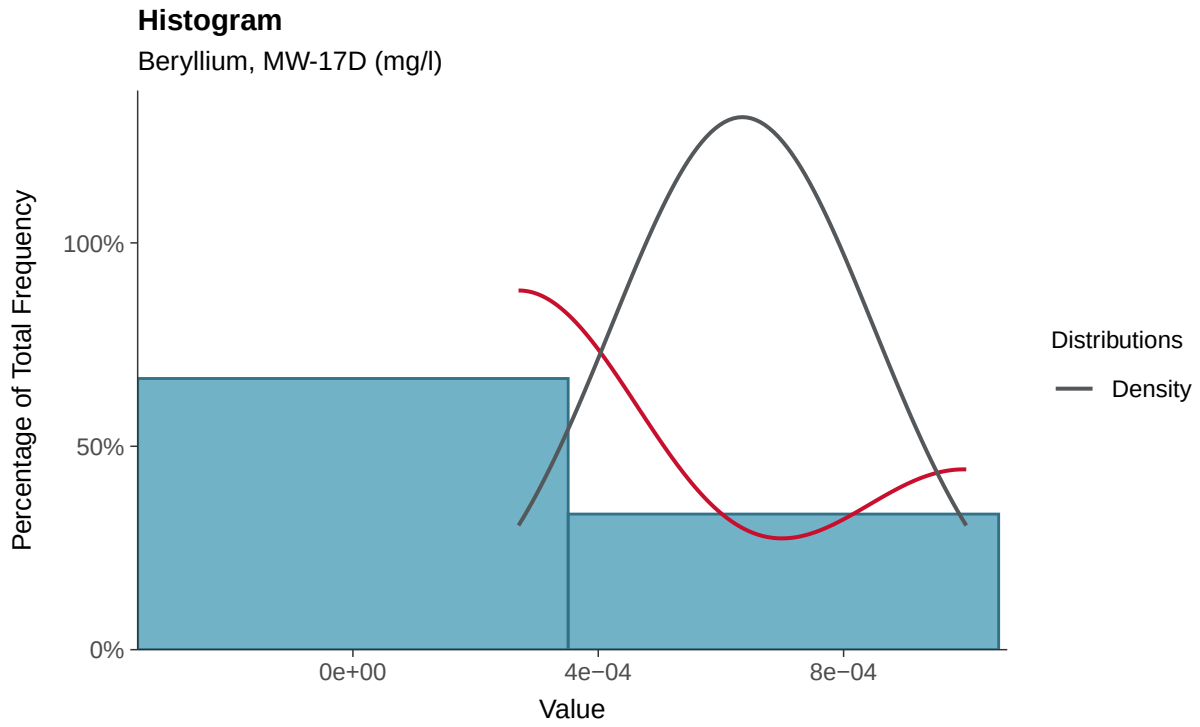
Barium, MW-17D (mg/l)



Appendix IV: Beryllium, MW-17D

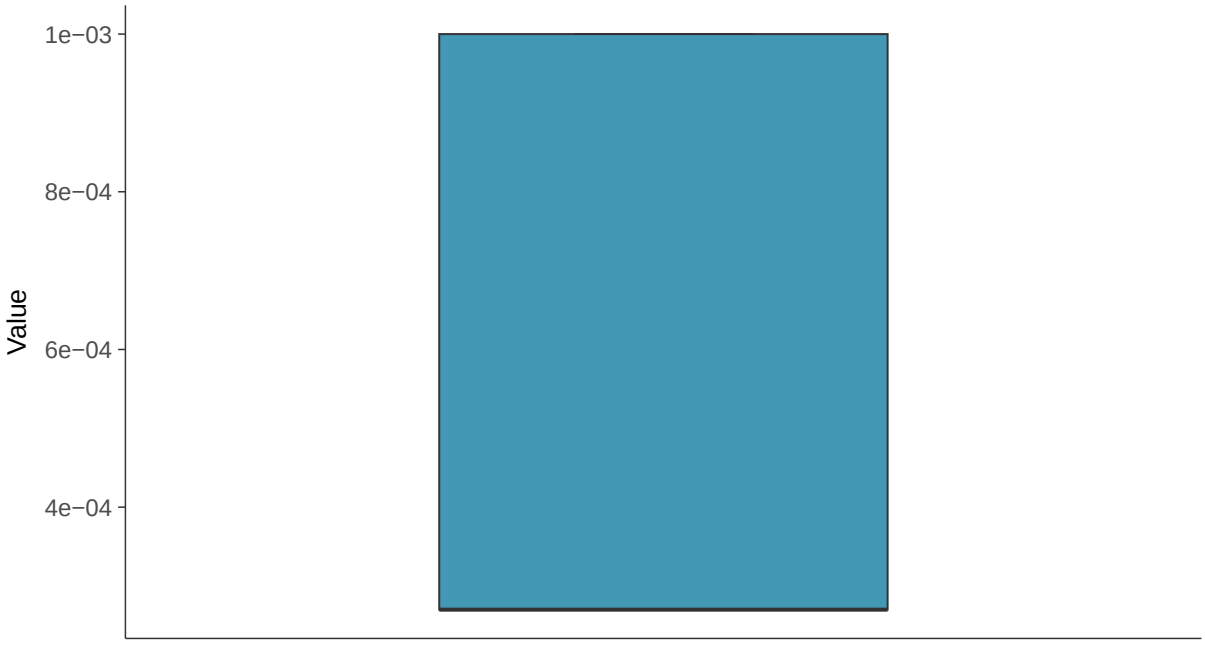
ID: 14_3_104





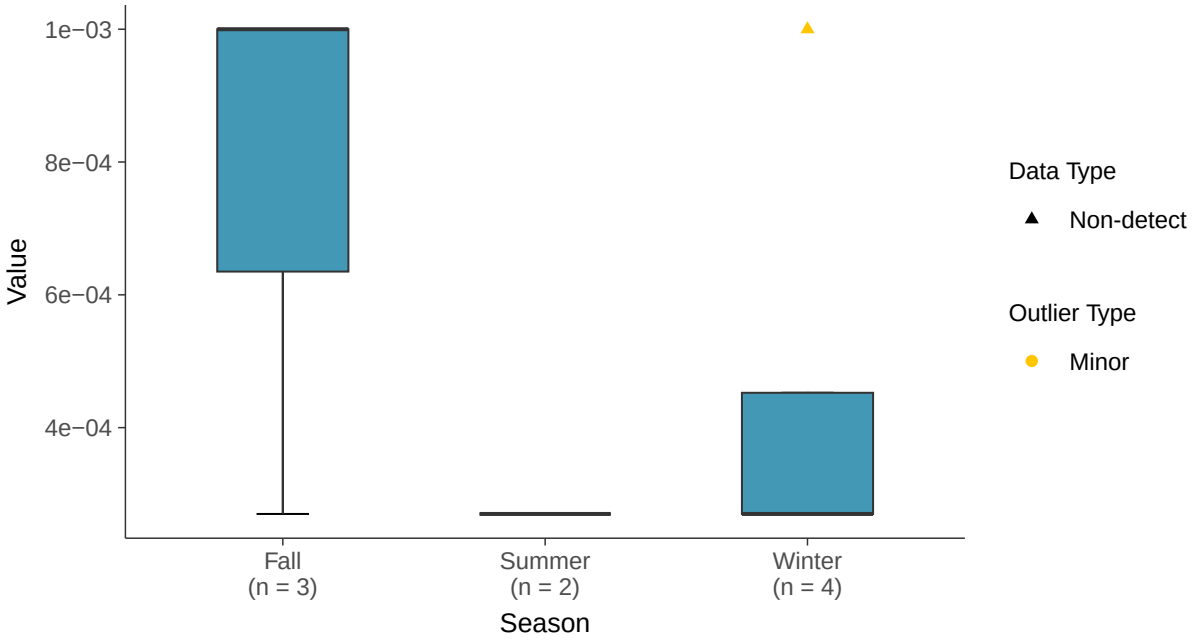
Boxplot

Beryllium, MW-17D (mg/l)



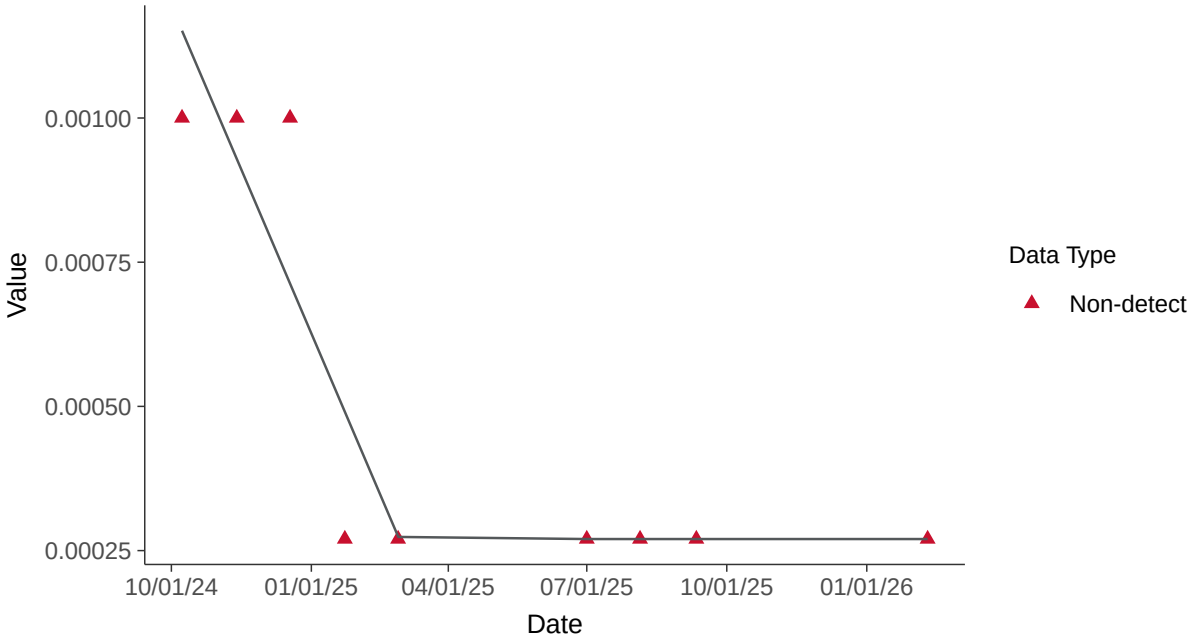
Boxplot by Season

Beryllium, MW-17D (mg/l)



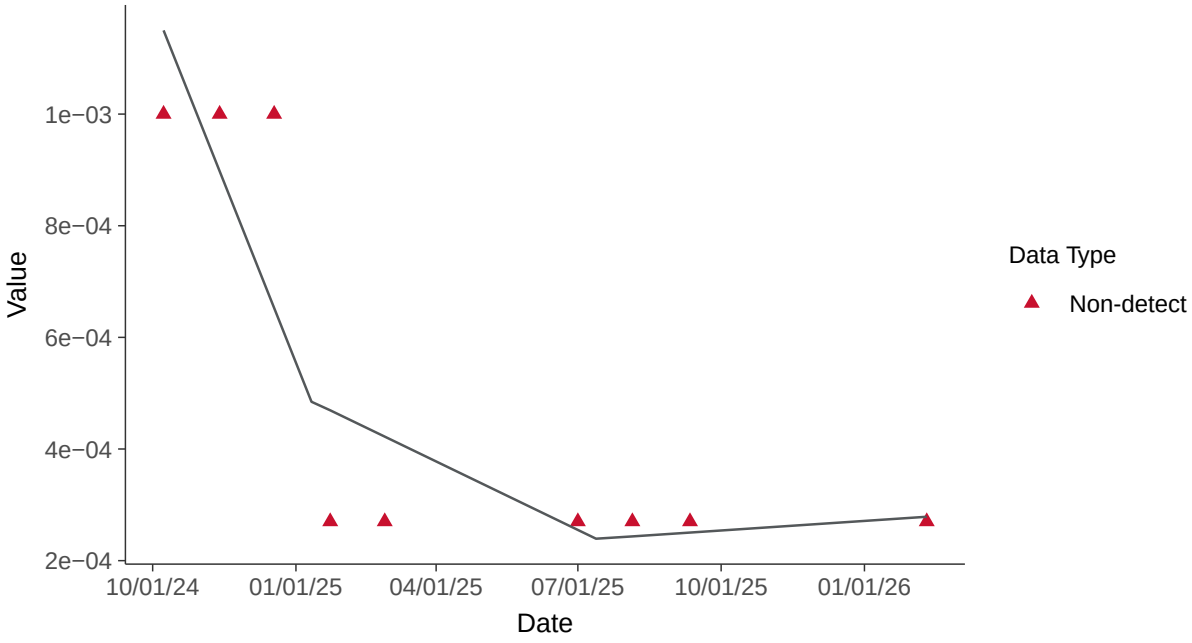
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-17D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Beryllium, MW-17D (mg/l)

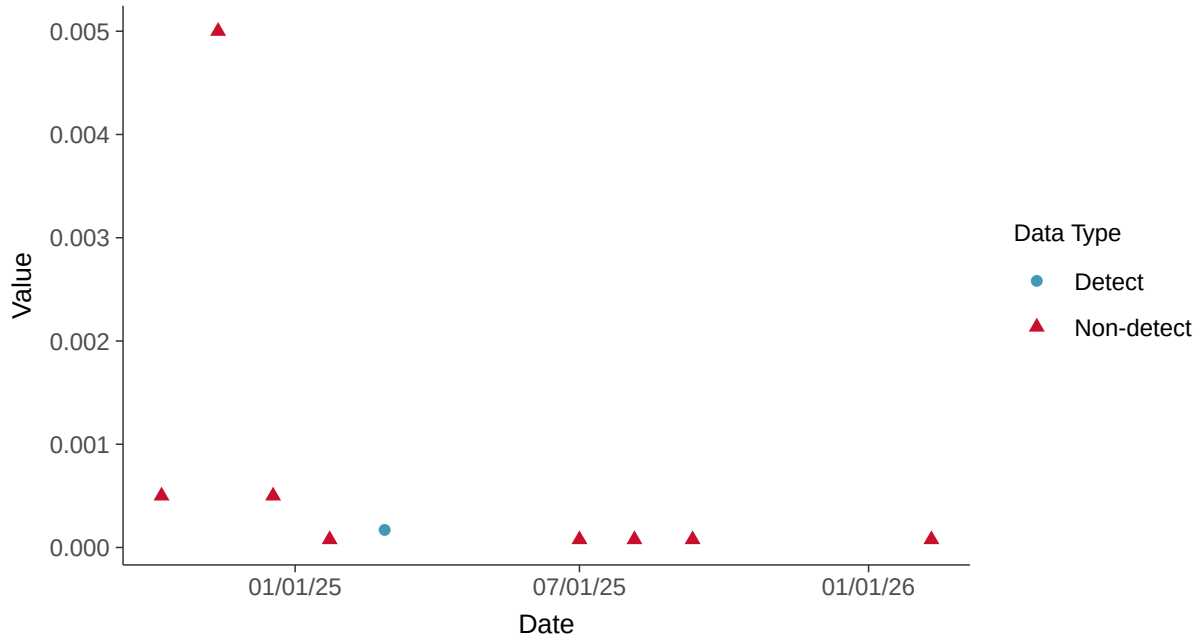


Appendix IV: Cadmium, MW-17D

ID: 14_3_106

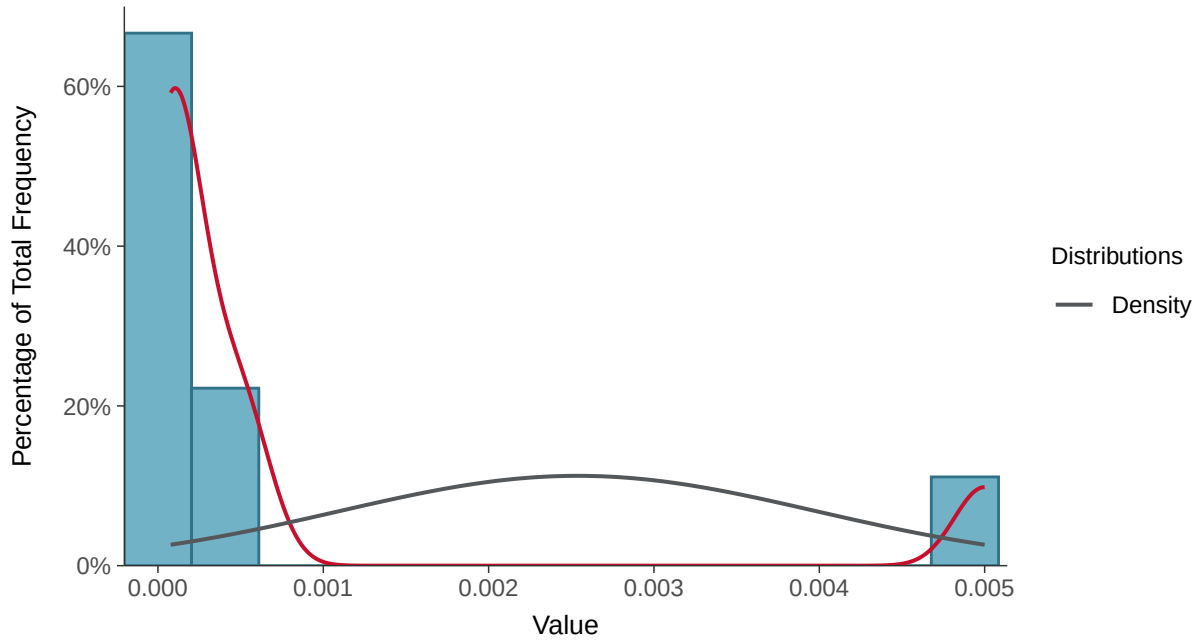
Scatter Plot

Cadmium, MW-17D (mg/l)



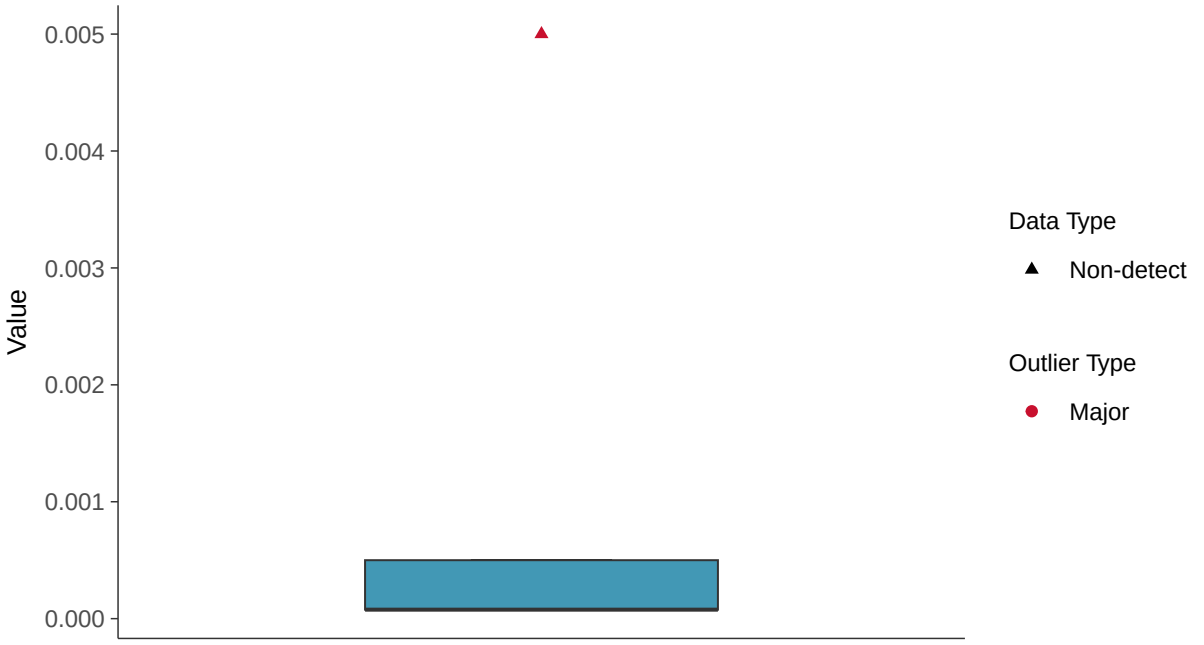
Histogram

Cadmium, MW-17D (mg/l)



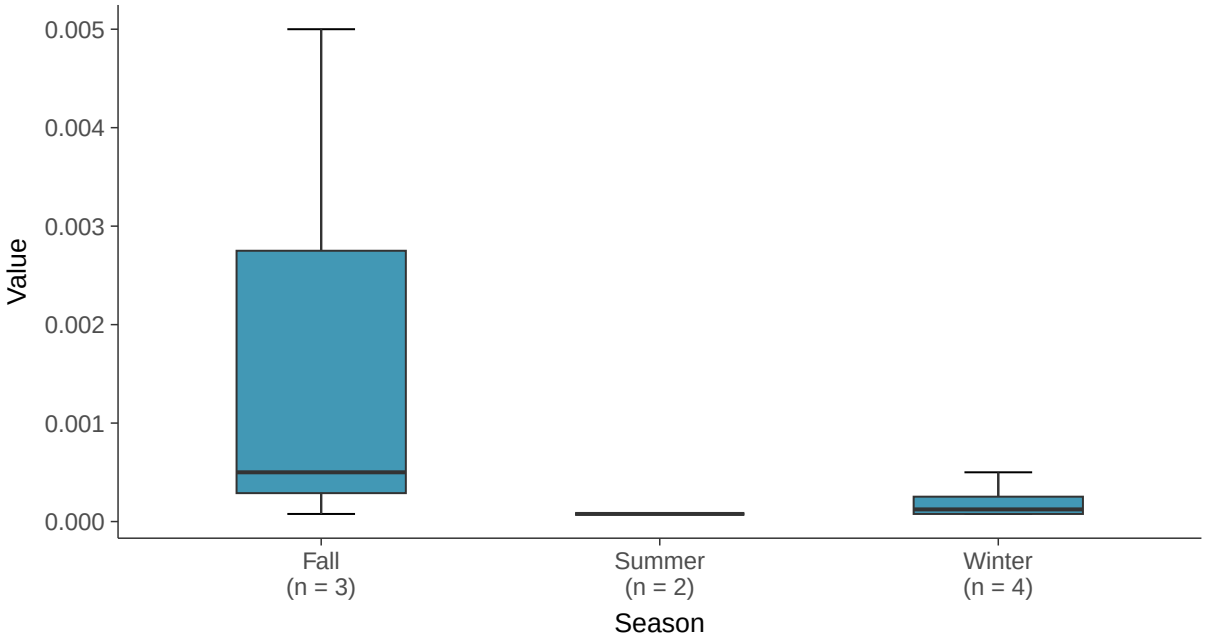
Boxplot

Cadmium, MW-17D (mg/l)



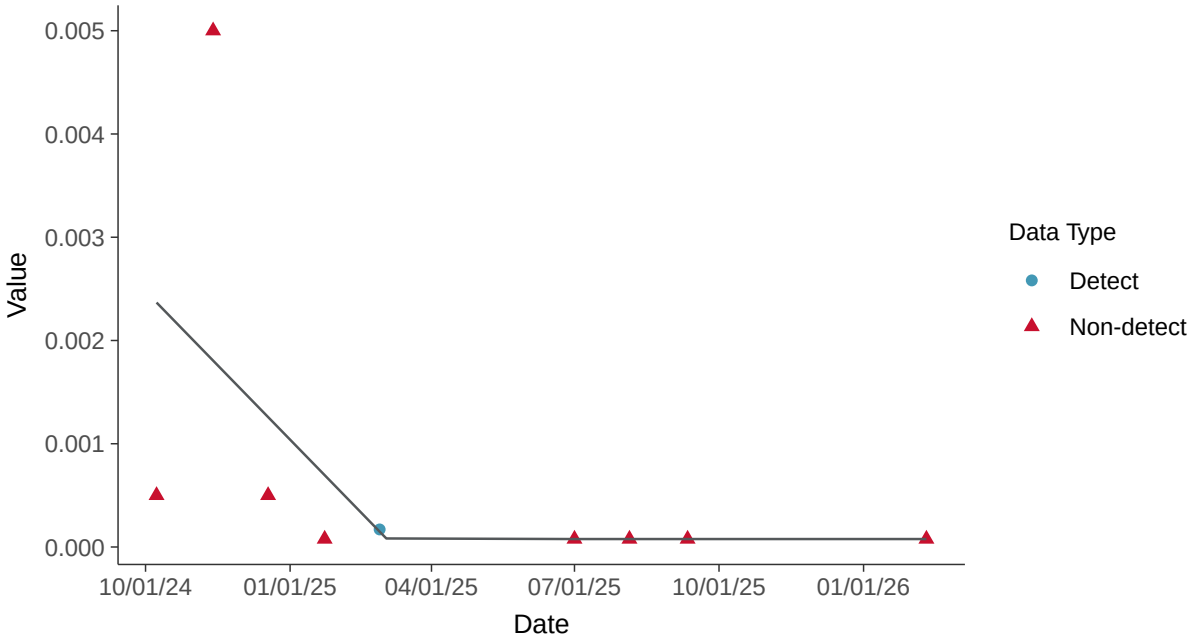
Boxplot by Season

Cadmium, MW-17D (mg/l)



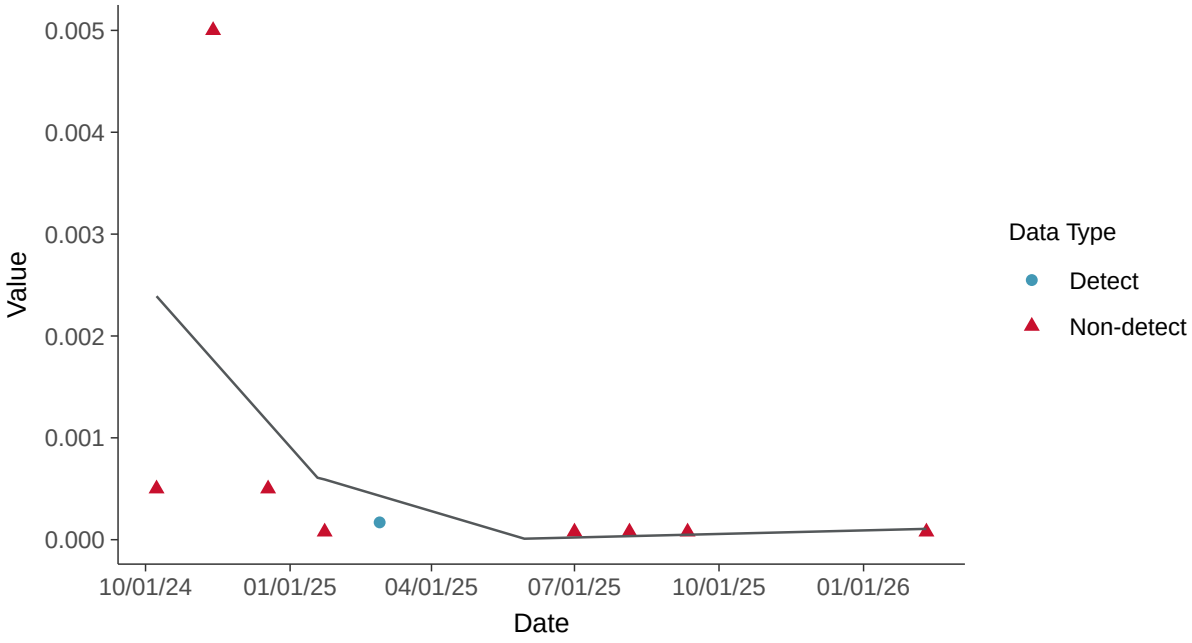
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-17D (mg/l)



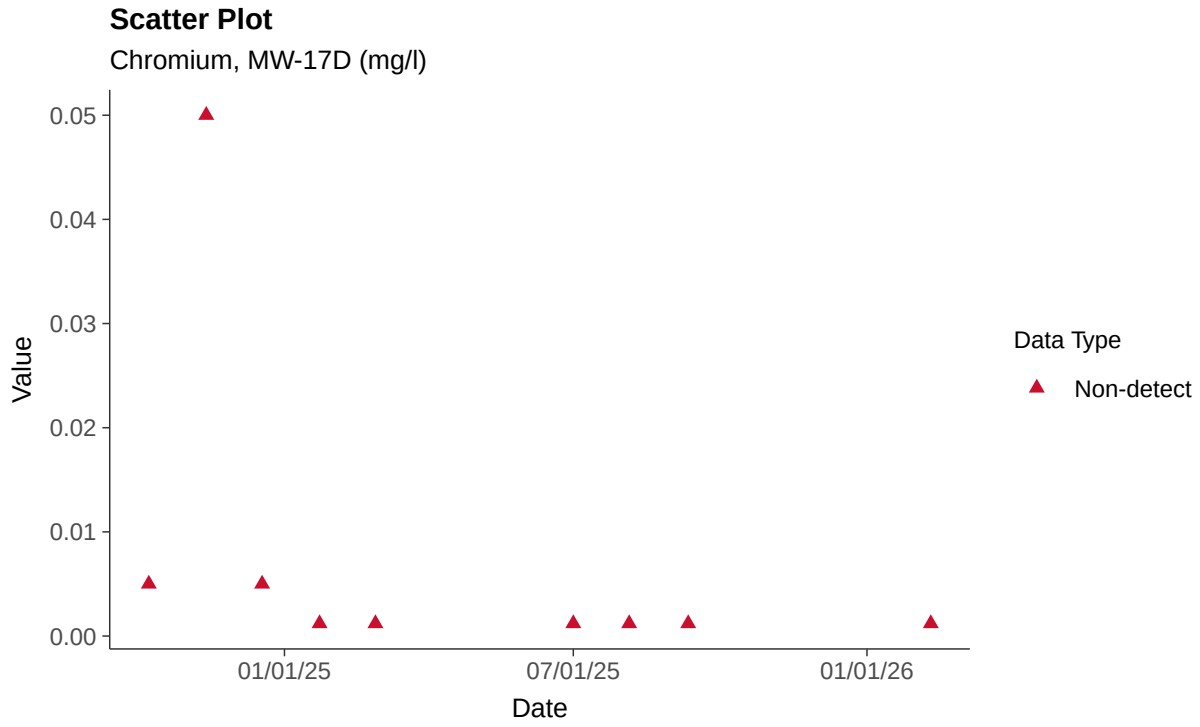
Trend Regression: Piecewise Linear-Linear-Linear

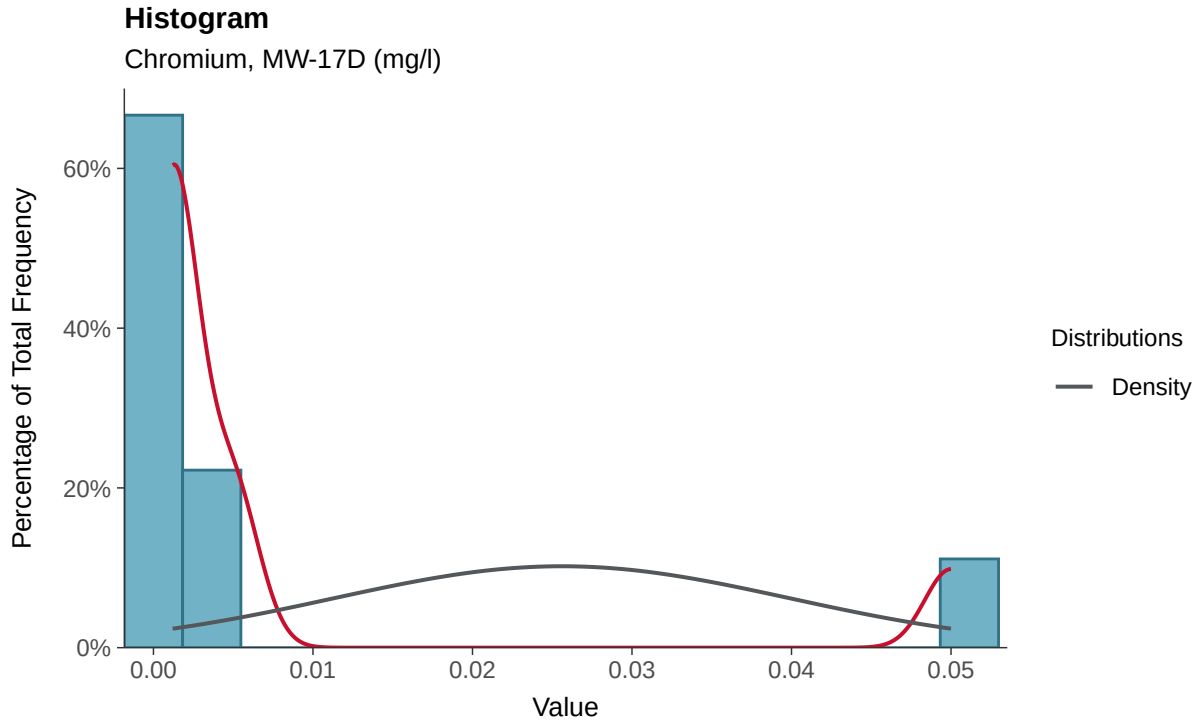
Cadmium, MW-17D (mg/l)



Appendix IV: Chromium, MW-17D

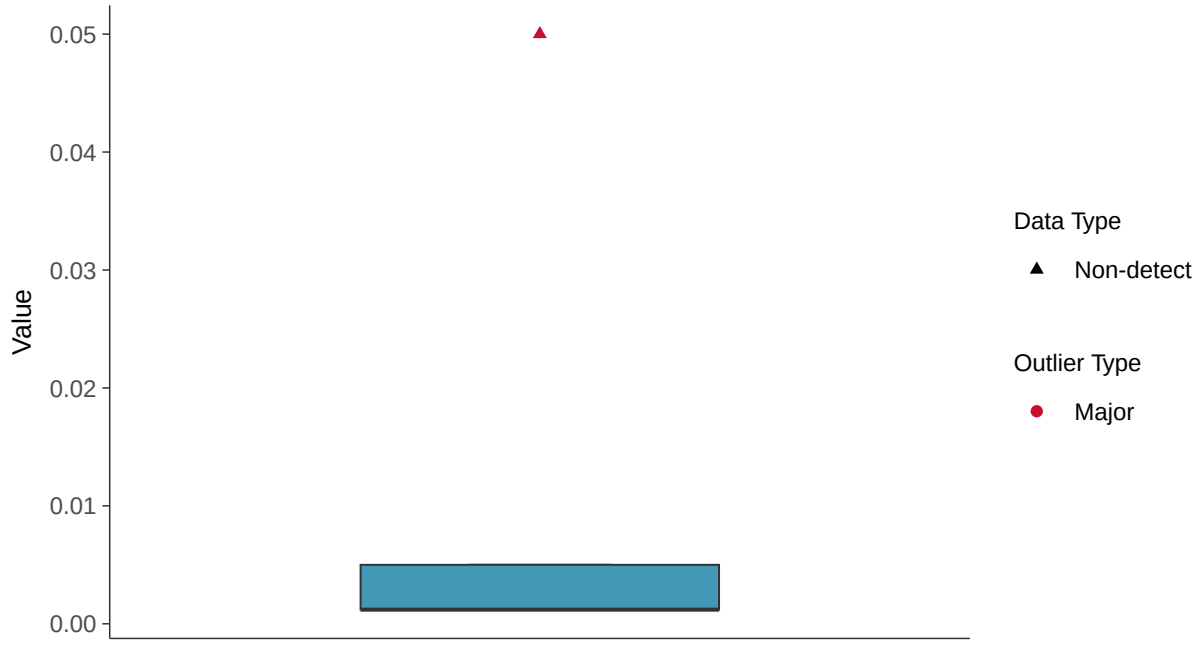
ID: 14_3_109





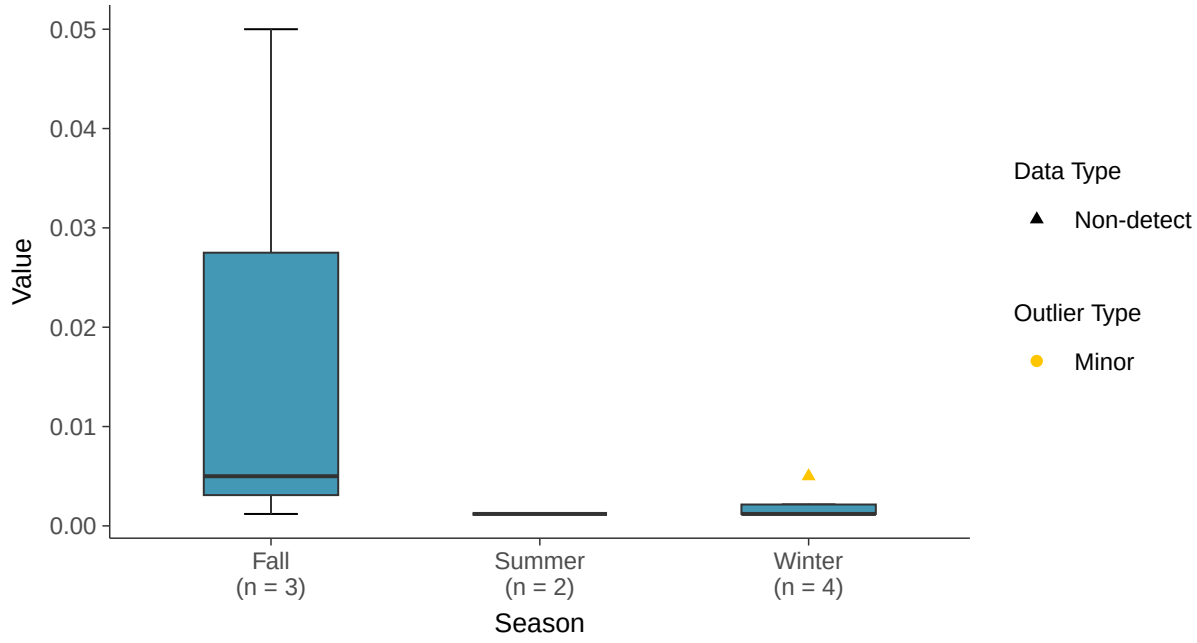
Boxplot

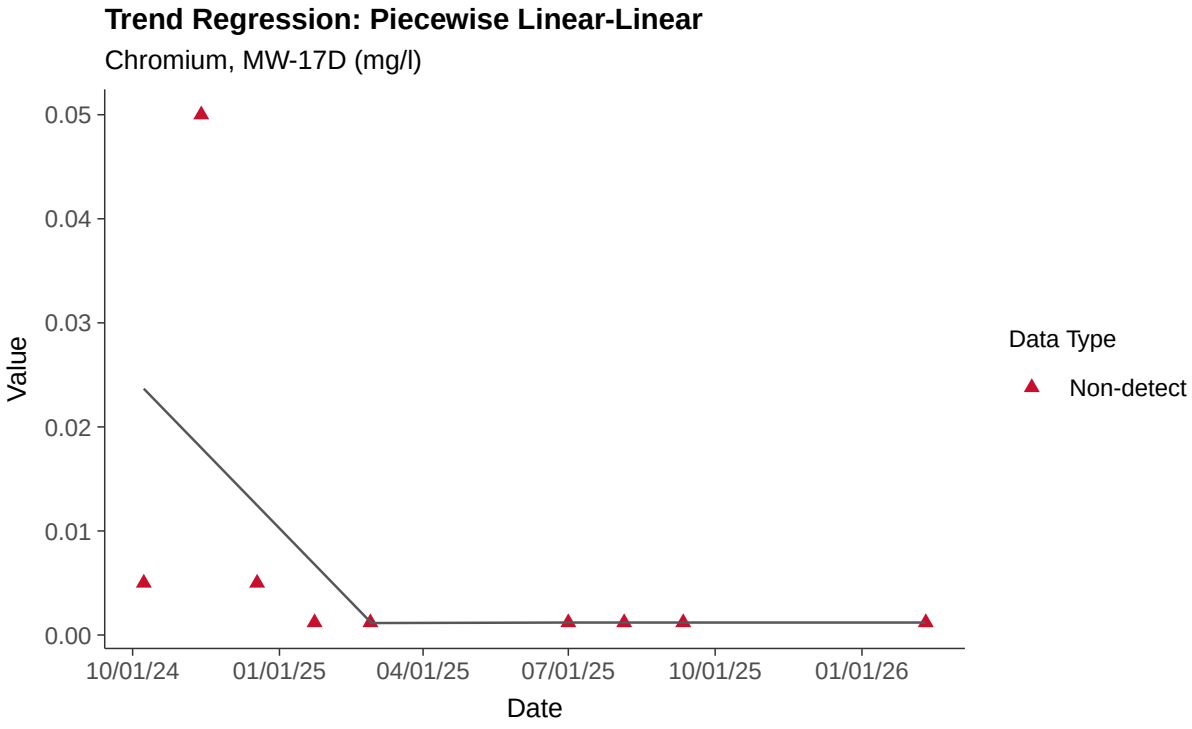
Chromium, MW-17D (mg/l)



Boxplot by Season

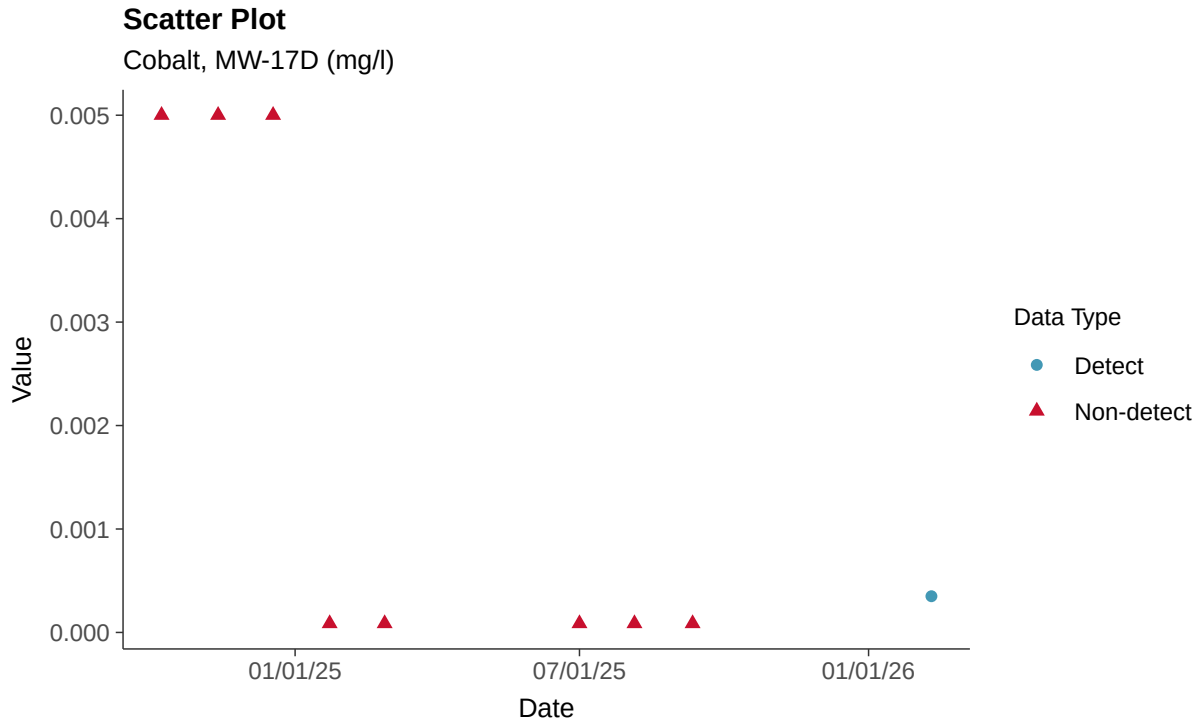
Chromium, MW-17D (mg/l)

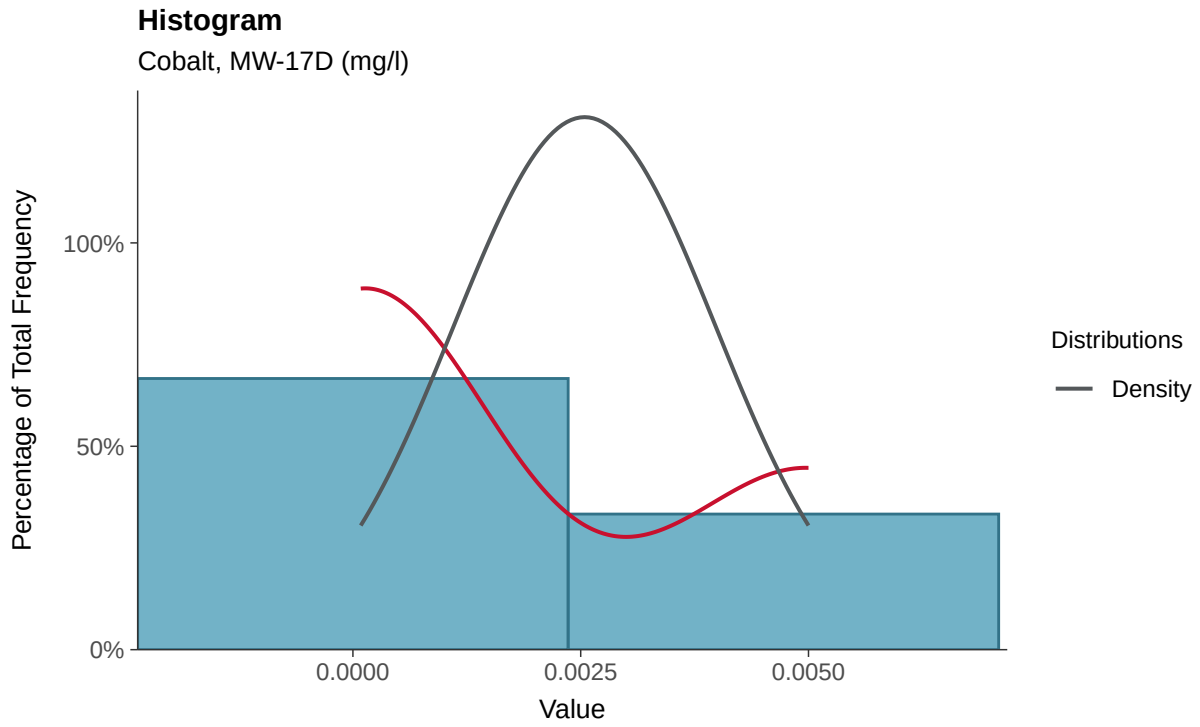



Trend Regression: Piecewise Linear-Linear
Chromium, MW-17D (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cobalt, MW-17D

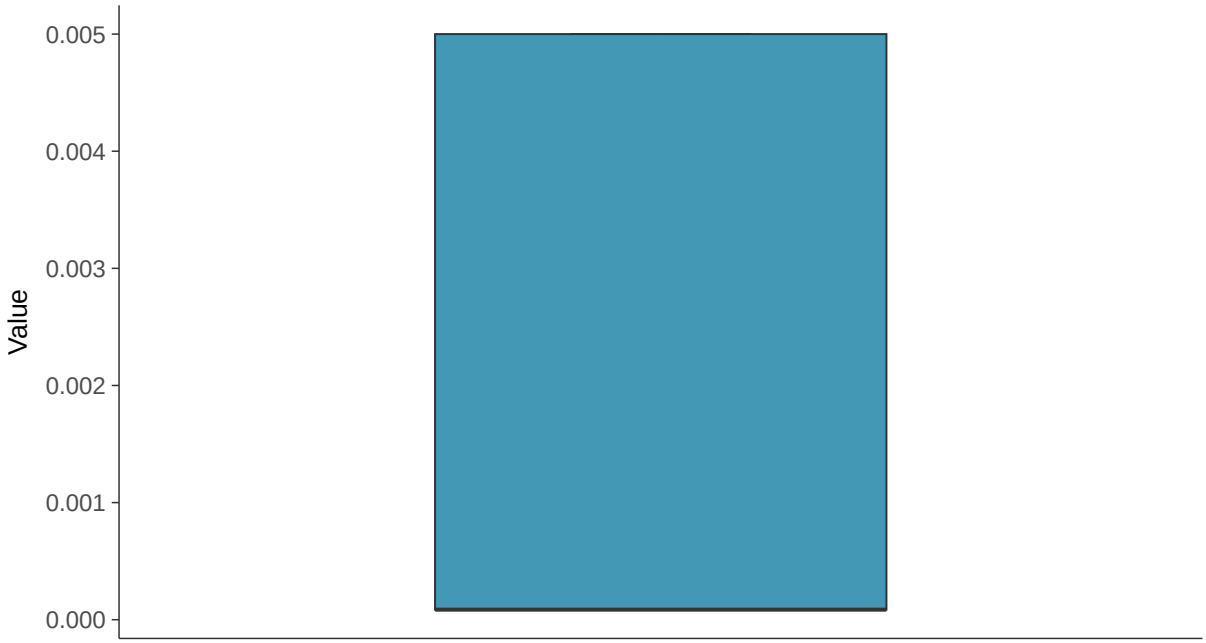
ID: 14_3_110





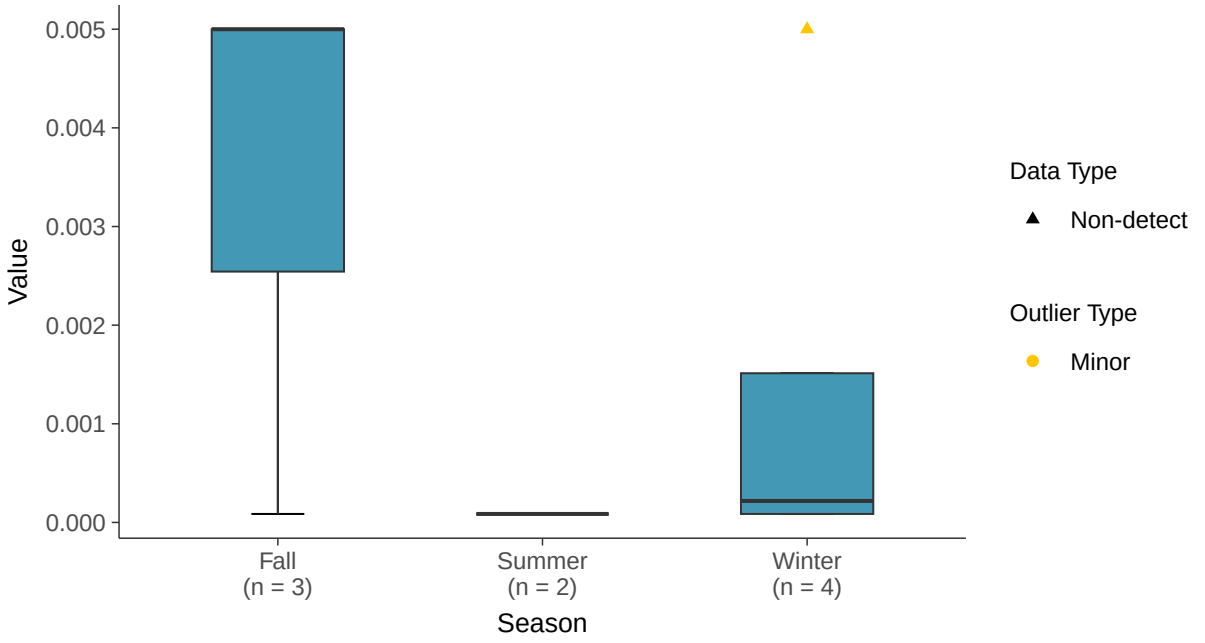
Boxplot

Cobalt, MW-17D (mg/l)



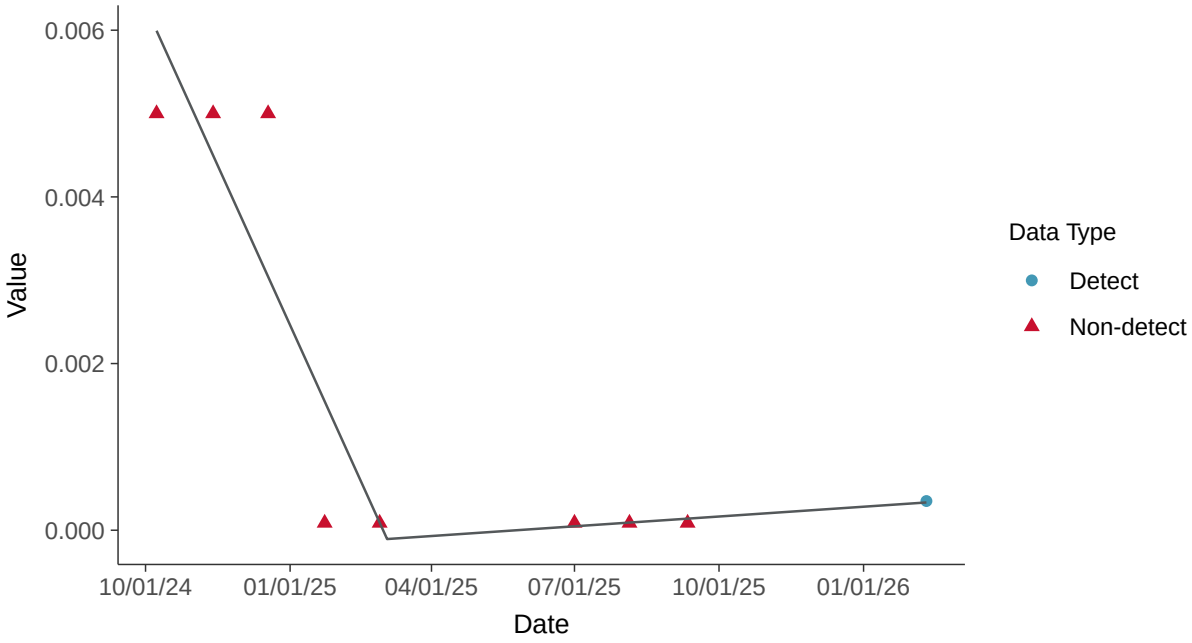
Boxplot by Season

Cobalt, MW-17D (mg/l)



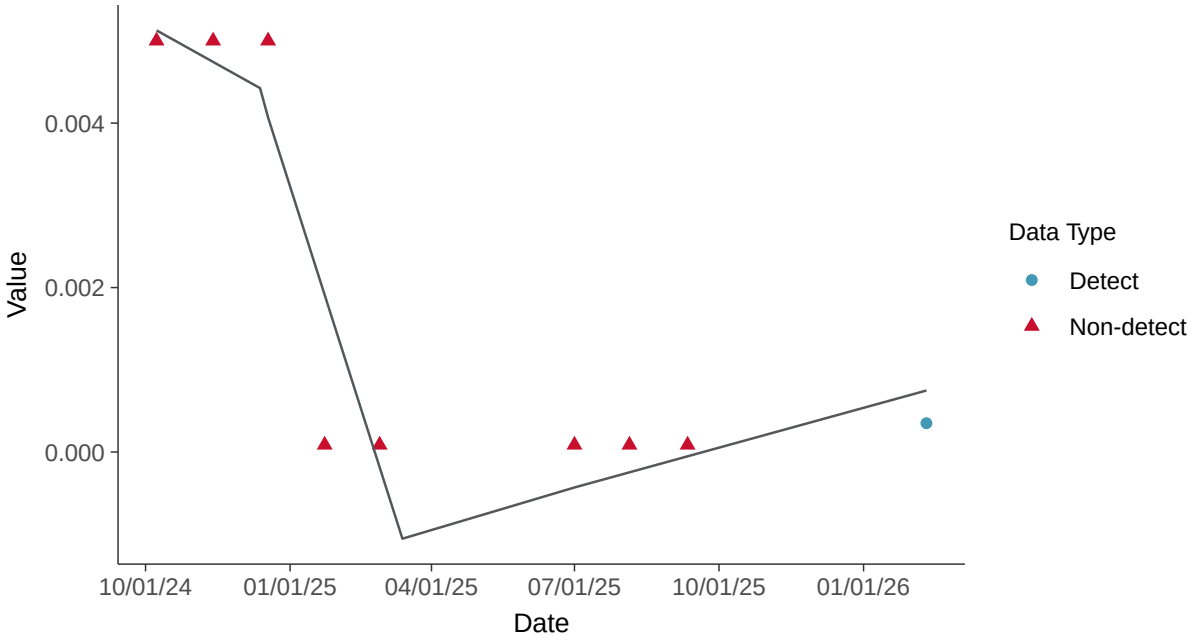
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-17D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Cobalt, MW-17D (mg/l)

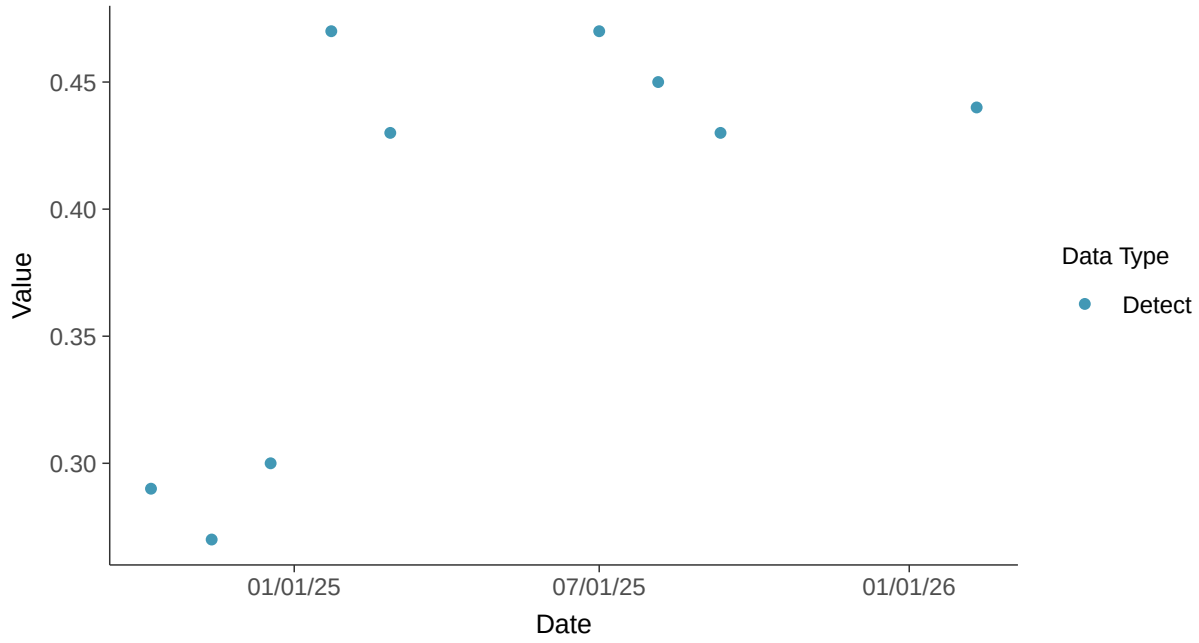


Appendix IV: Fluoride (App IV), MW-17D

ID: 14_3_113

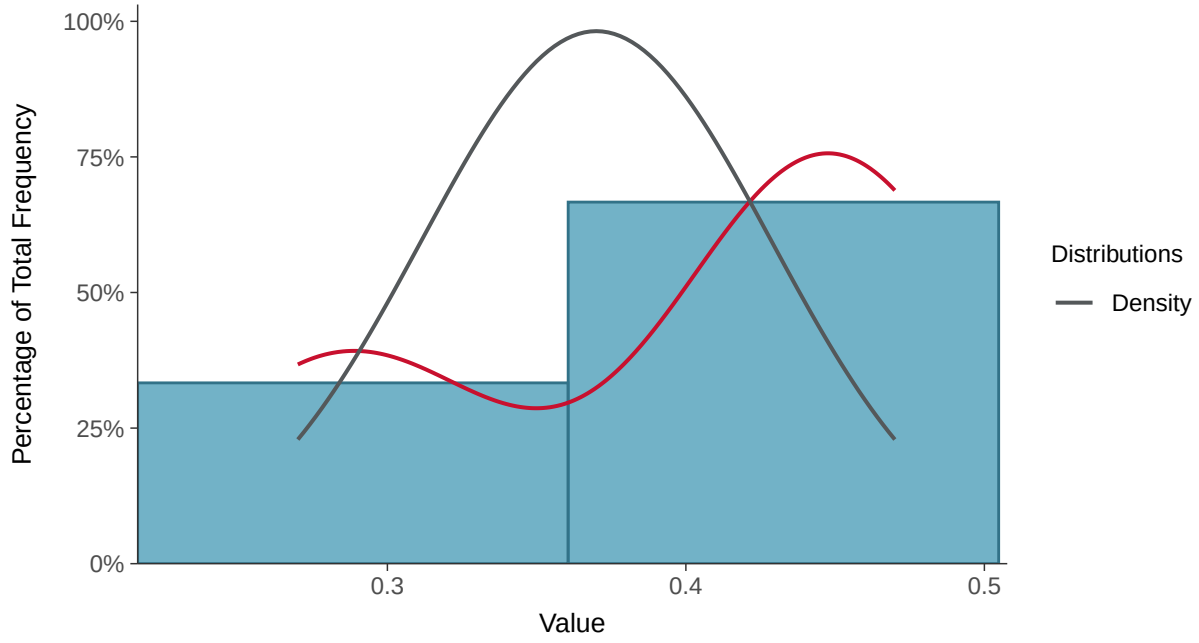
Scatter Plot

Fluoride (App IV), MW-17D (mg/l)



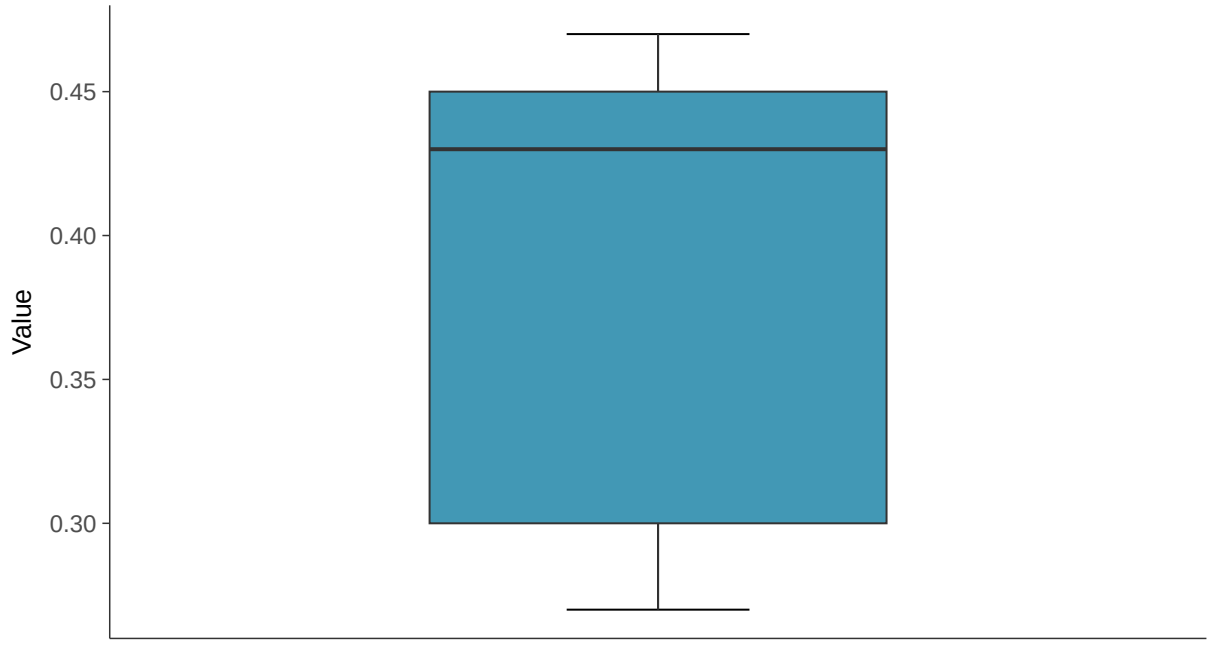
Histogram

Fluoride (App IV), MW-17D (mg/l)



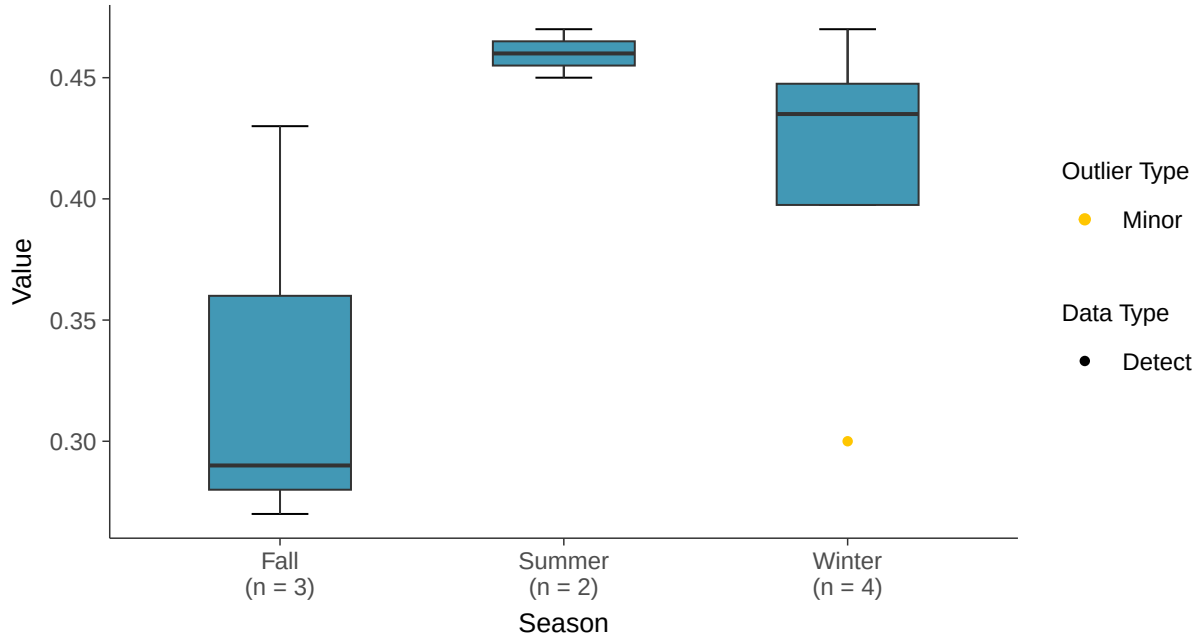
Boxplot

Fluoride (App IV), MW-17D (mg/l)



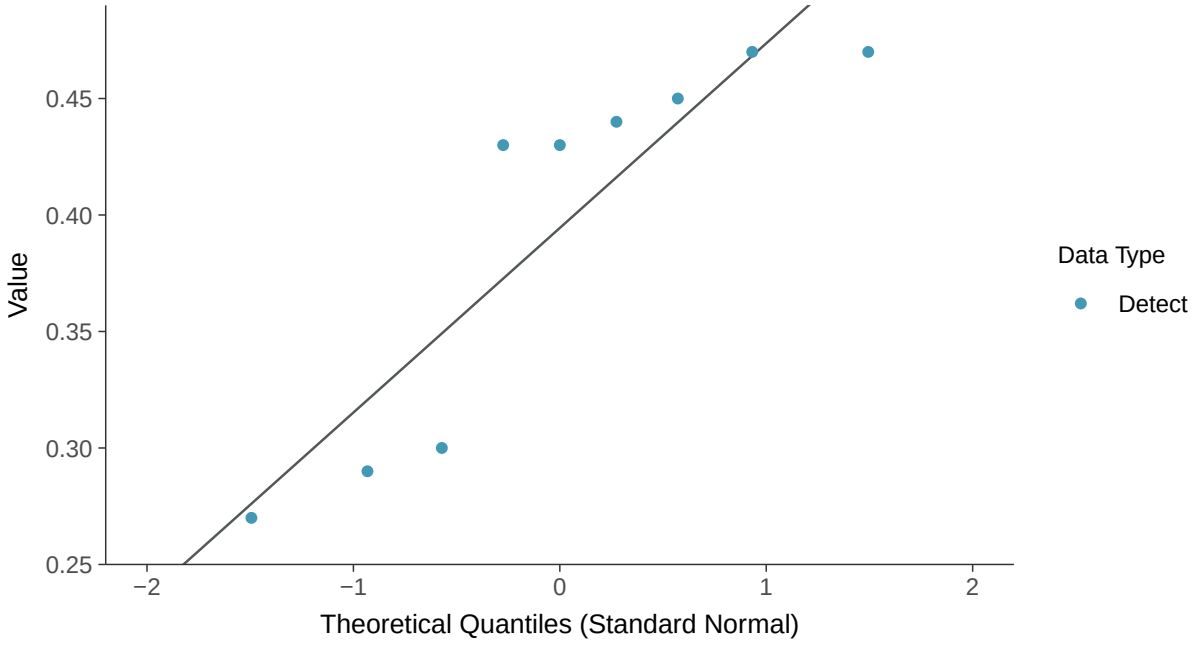
Boxplot by Season

Fluoride (App IV), MW-17D (mg/l)



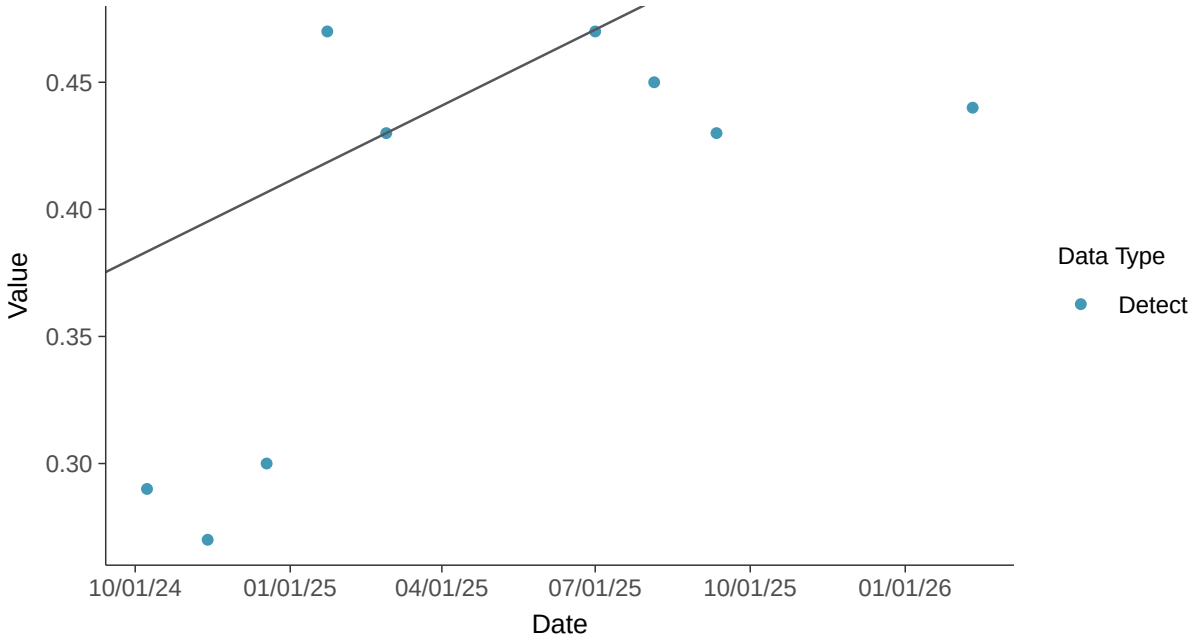
Normal Q-Q plot

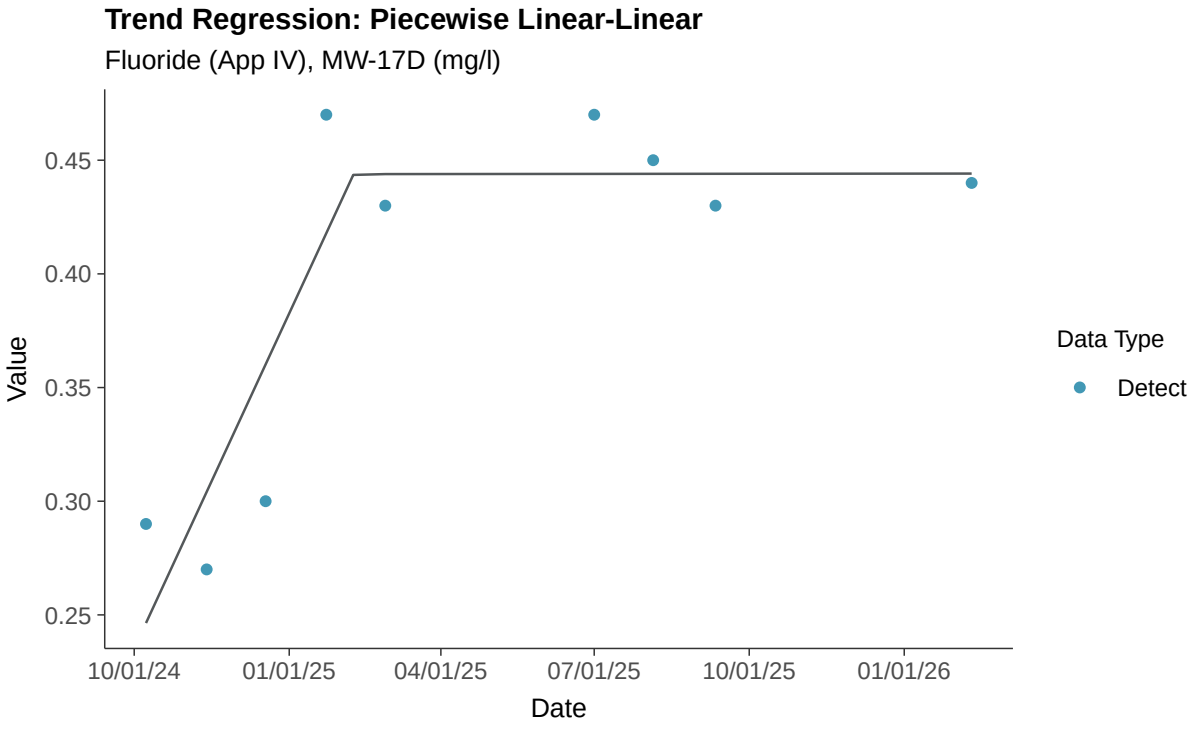
Fluoride (App IV), MW-17D (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

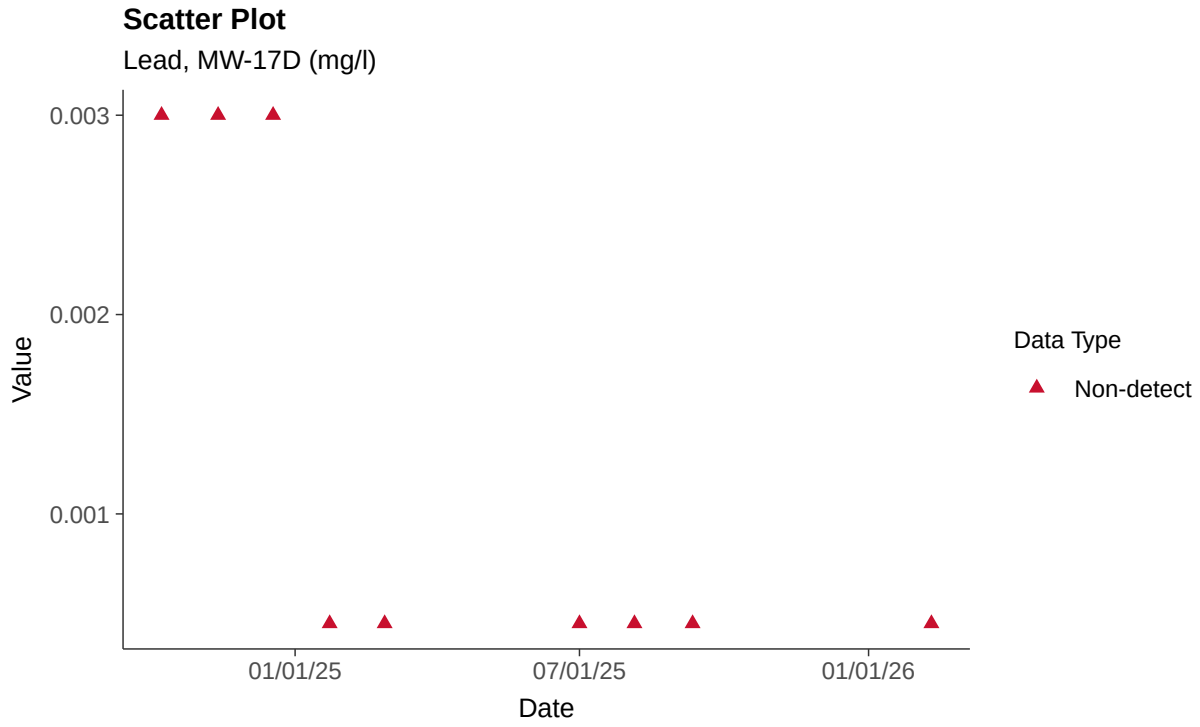
Fluoride (App IV), MW-17D (mg/l)

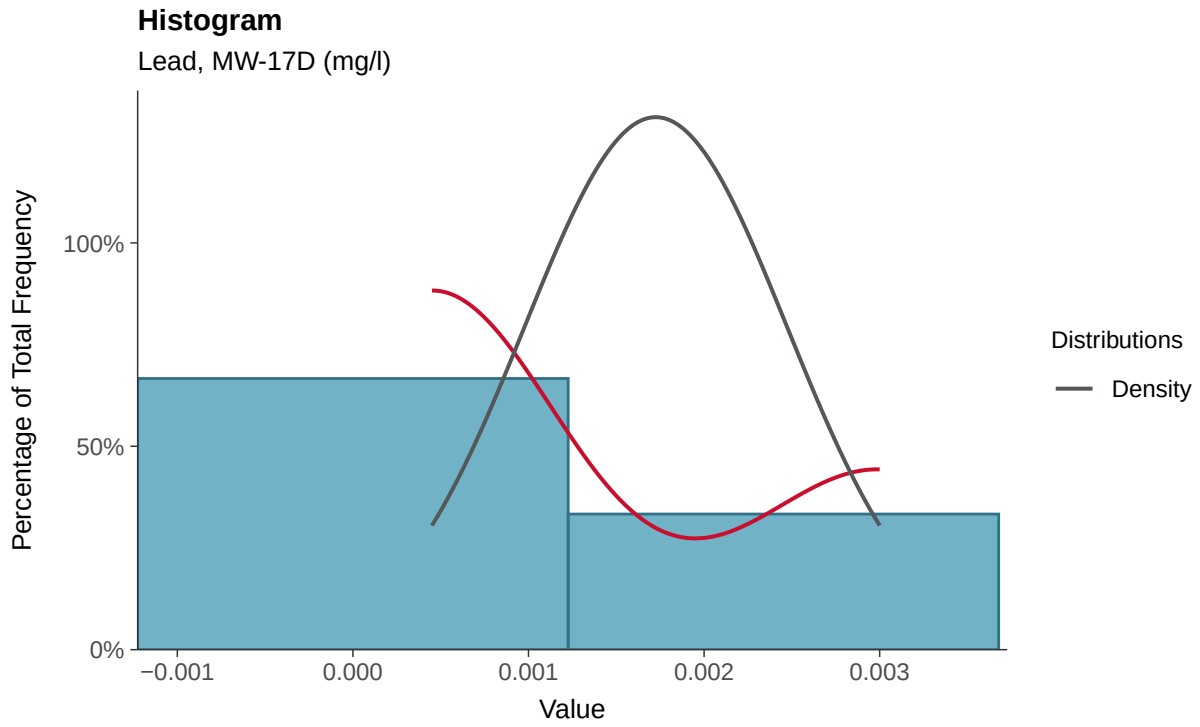



Trend Regression: Piecewise Linear-Linear
Fluoride (App IV), MW-17D (mg/l)
Value
0.45
0.40
0.35
0.30
0.25
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Lead, MW-17D

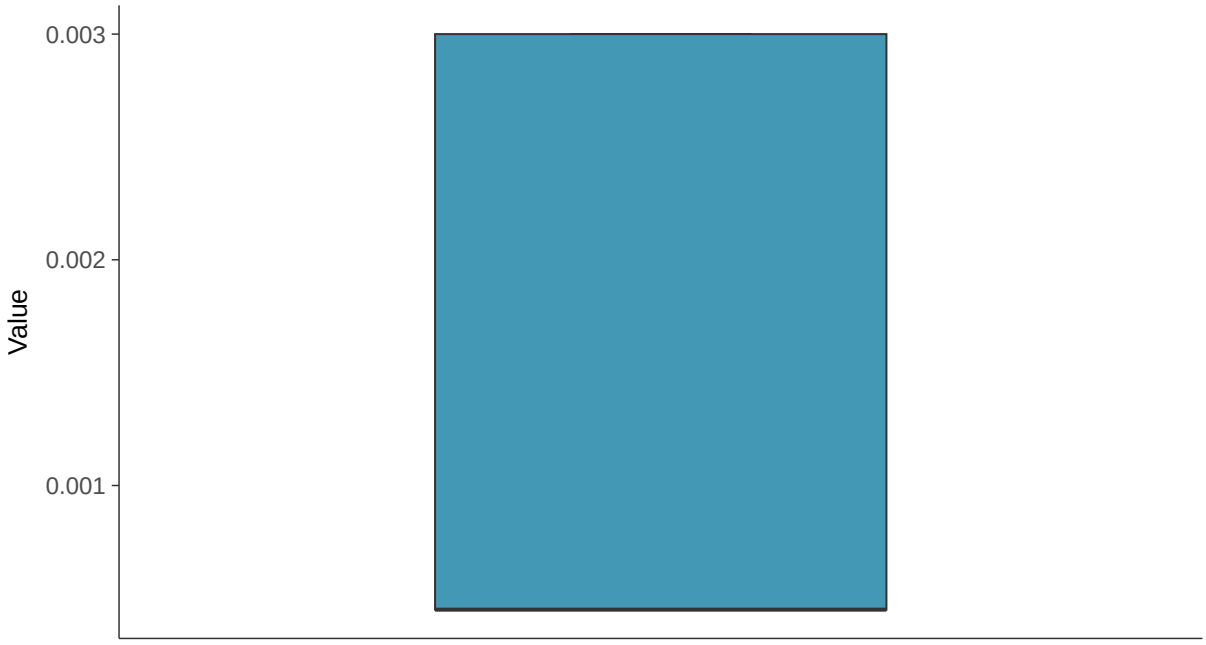
ID: 14_3_115





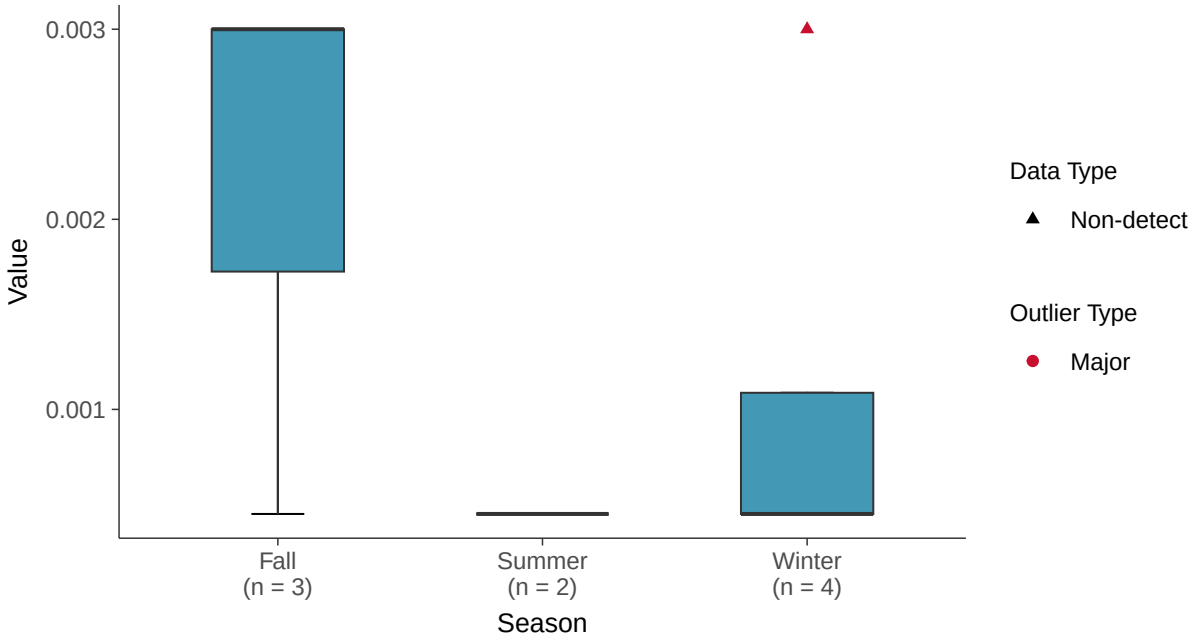
Boxplot

Lead, MW-17D (mg/l)



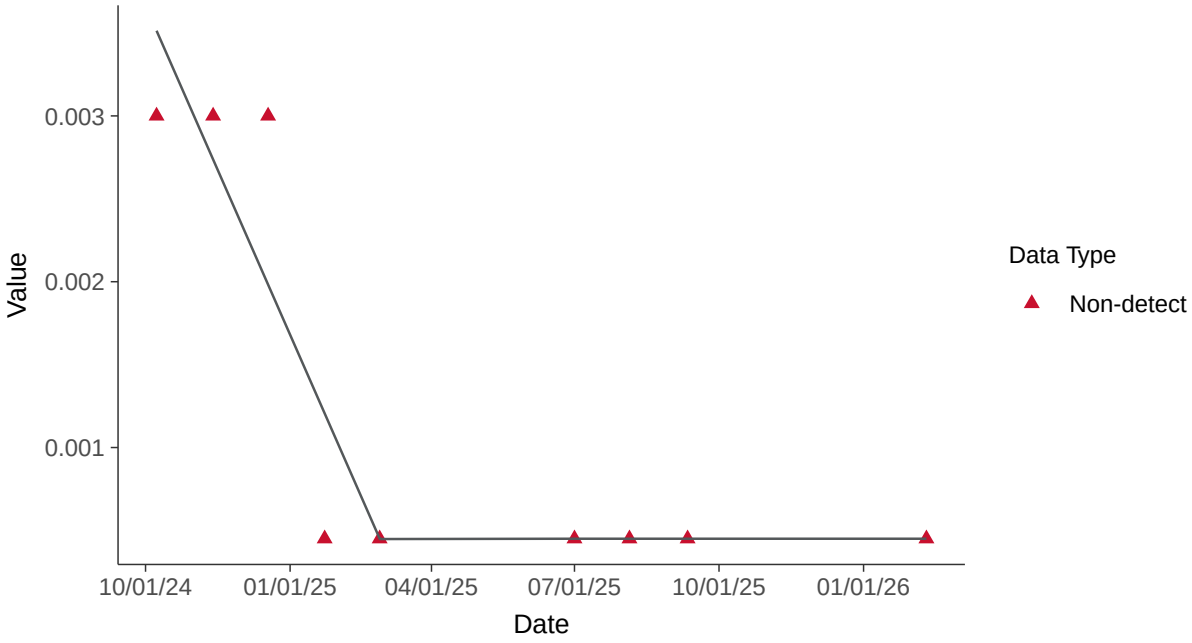
Boxplot by Season

Lead, MW-17D (mg/l)



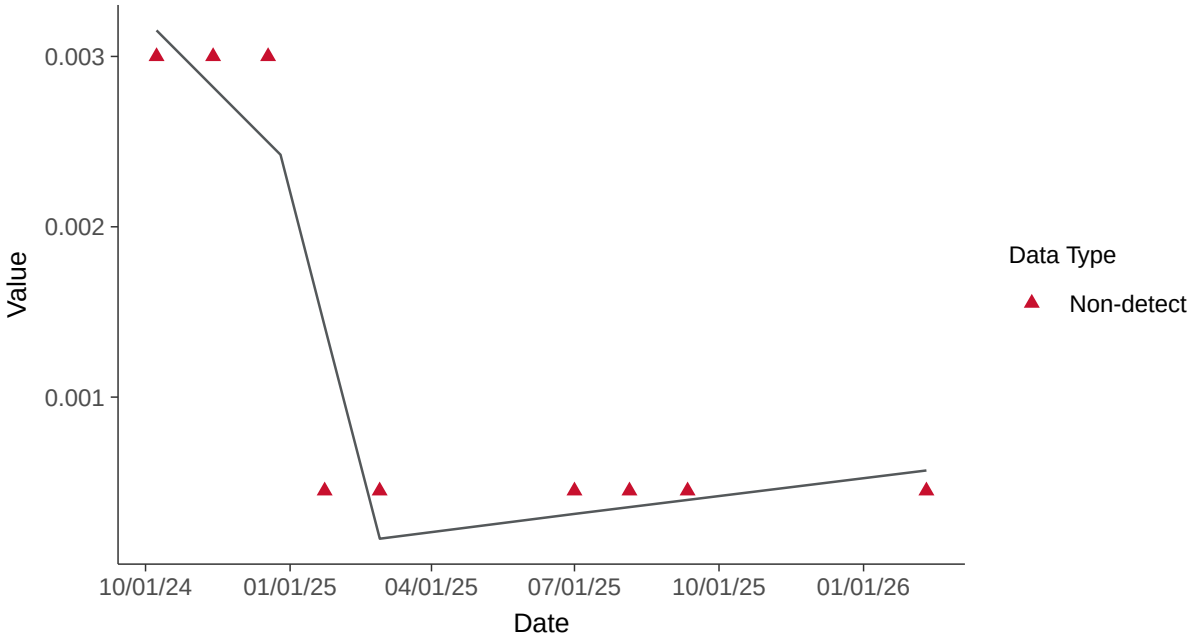
Trend Regression: Piecewise Linear-Linear

Lead, MW-17D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Lead, MW-17D (mg/l)

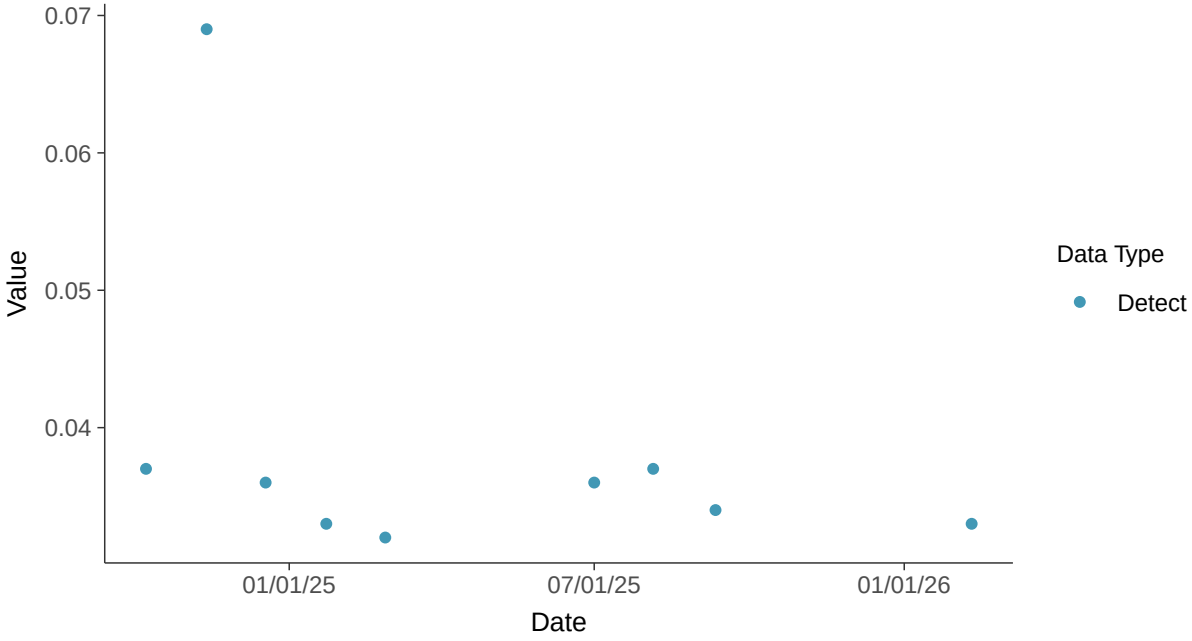


Appendix IV: Lithium, MW-17D

ID: 14_3_116

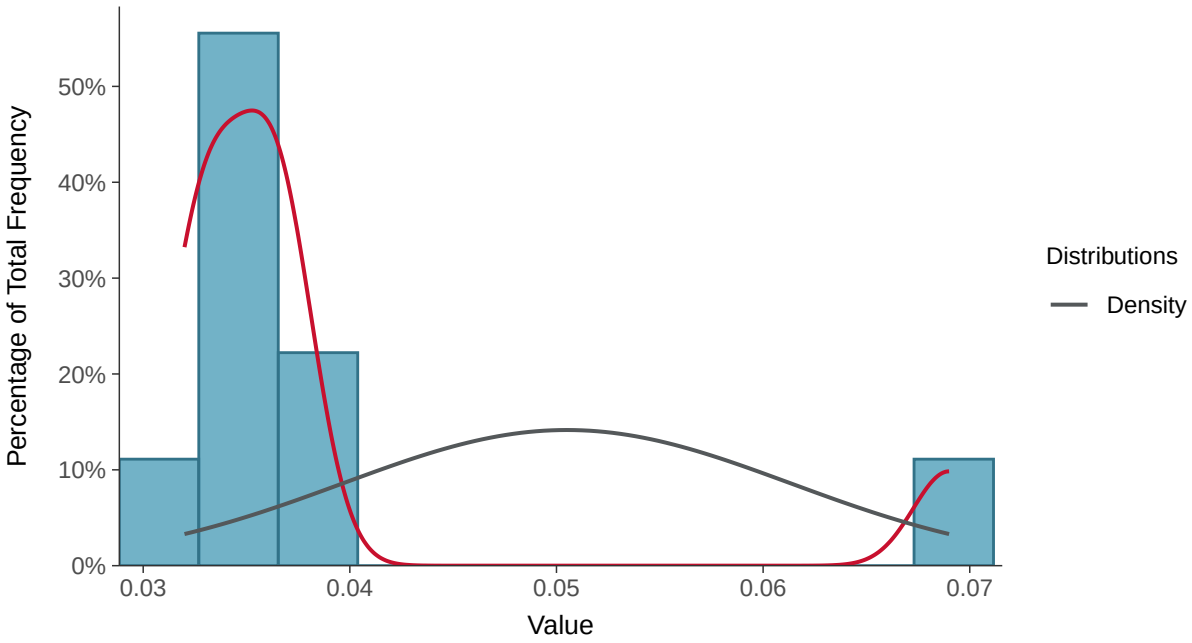
Scatter Plot

Lithium, MW-17D (mg/l)



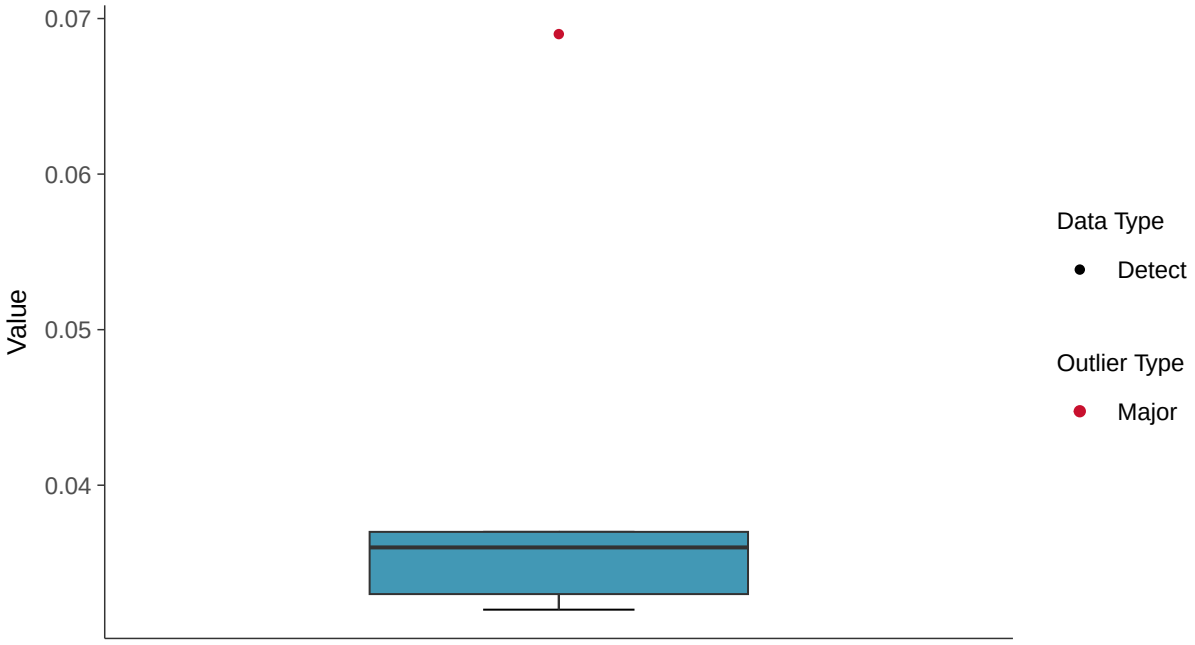
Histogram

Lithium, MW-17D (mg/l)



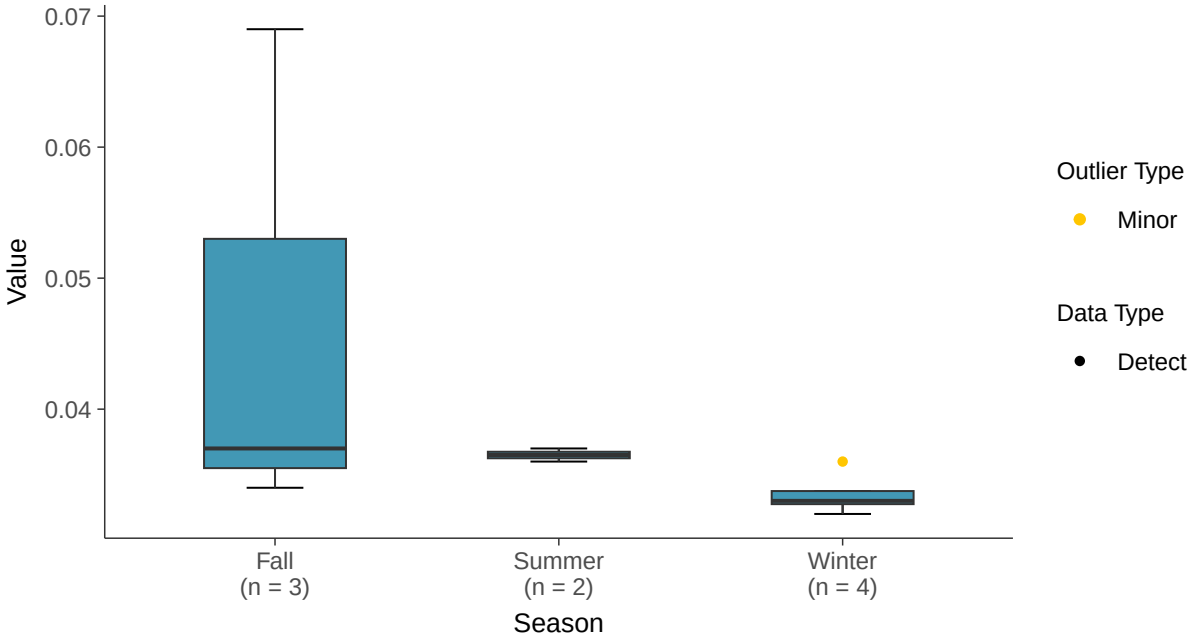
Boxplot

Lithium, MW-17D (mg/l)



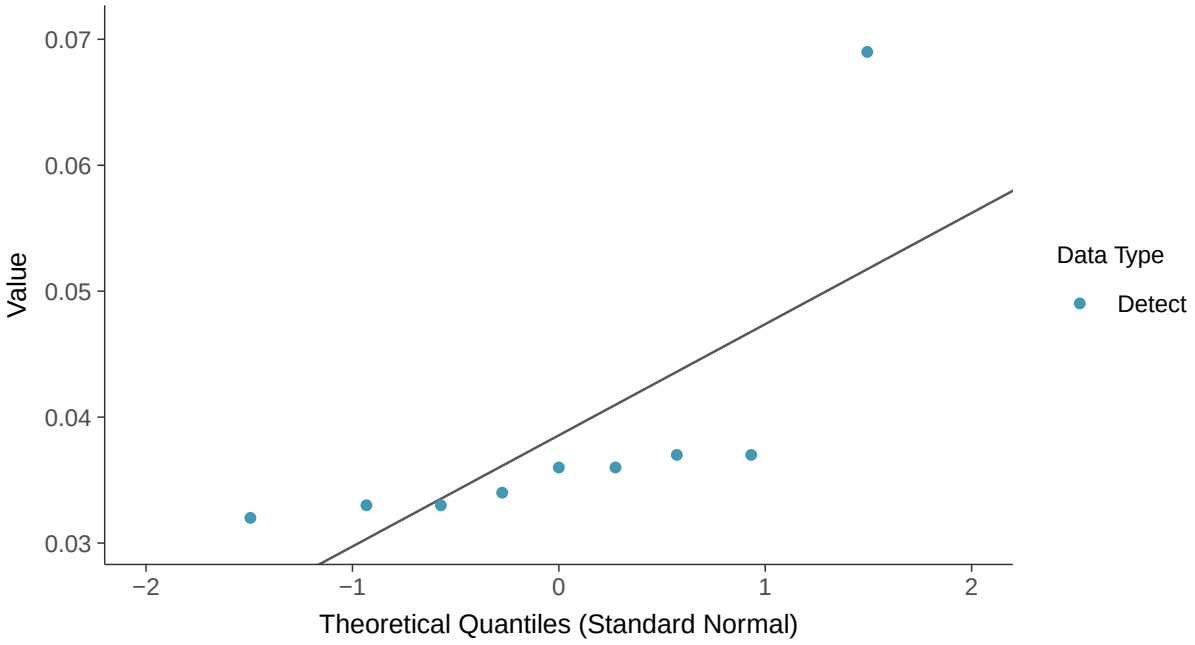
Boxplot by Season

Lithium, MW-17D (mg/l)



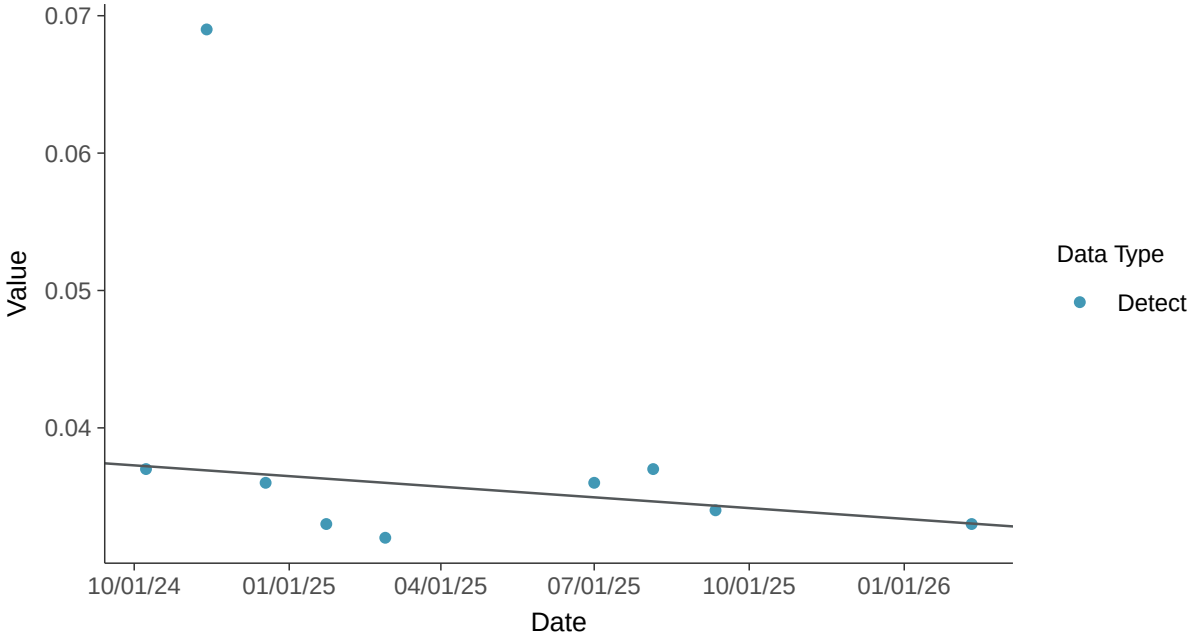
Normal Q-Q plot

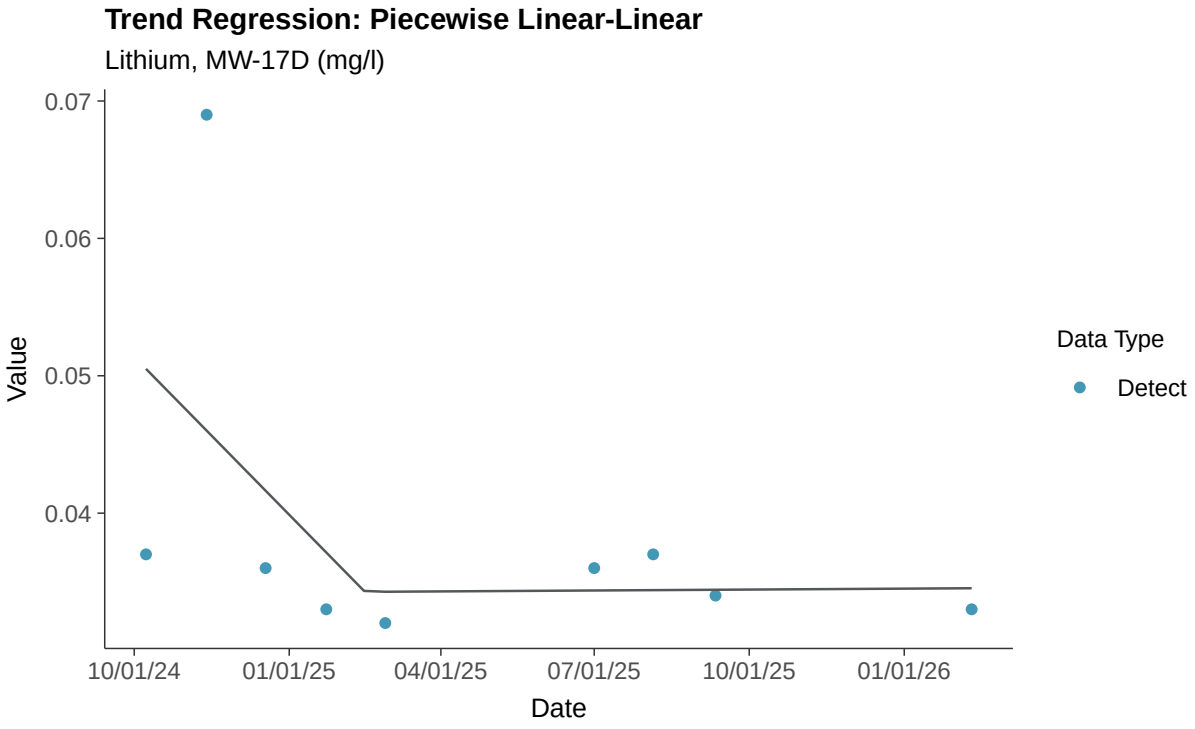
Lithium, MW-17D (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

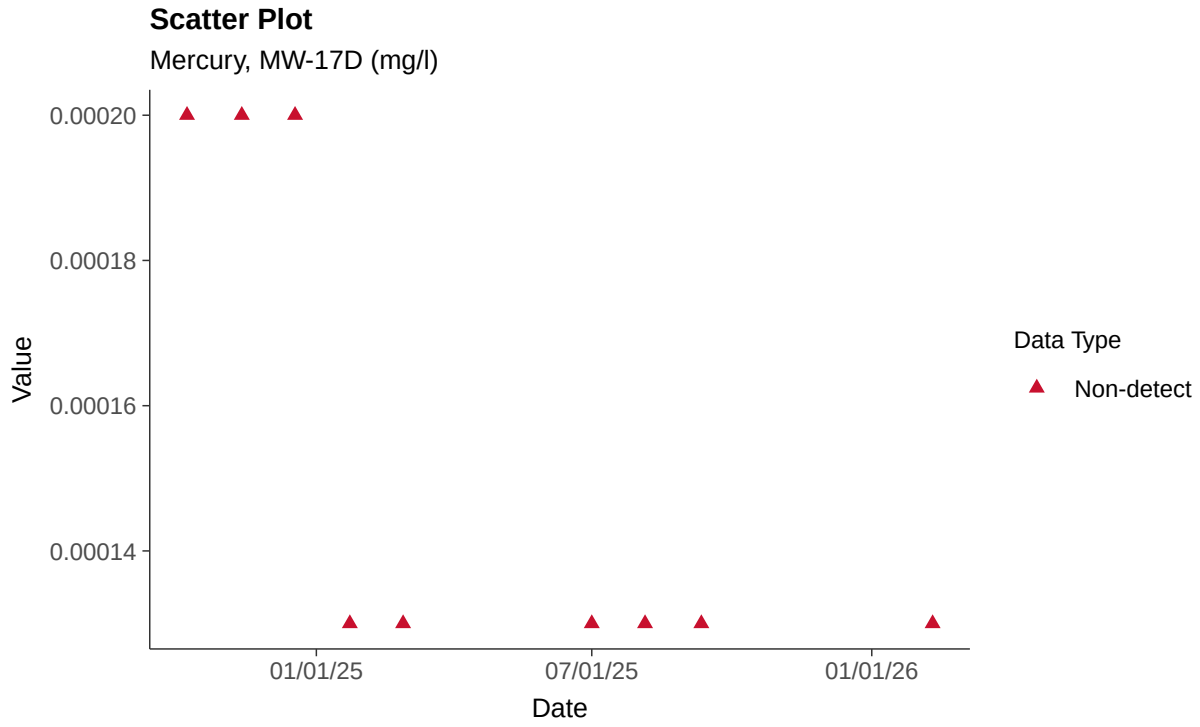
Lithium, MW-17D (mg/l)

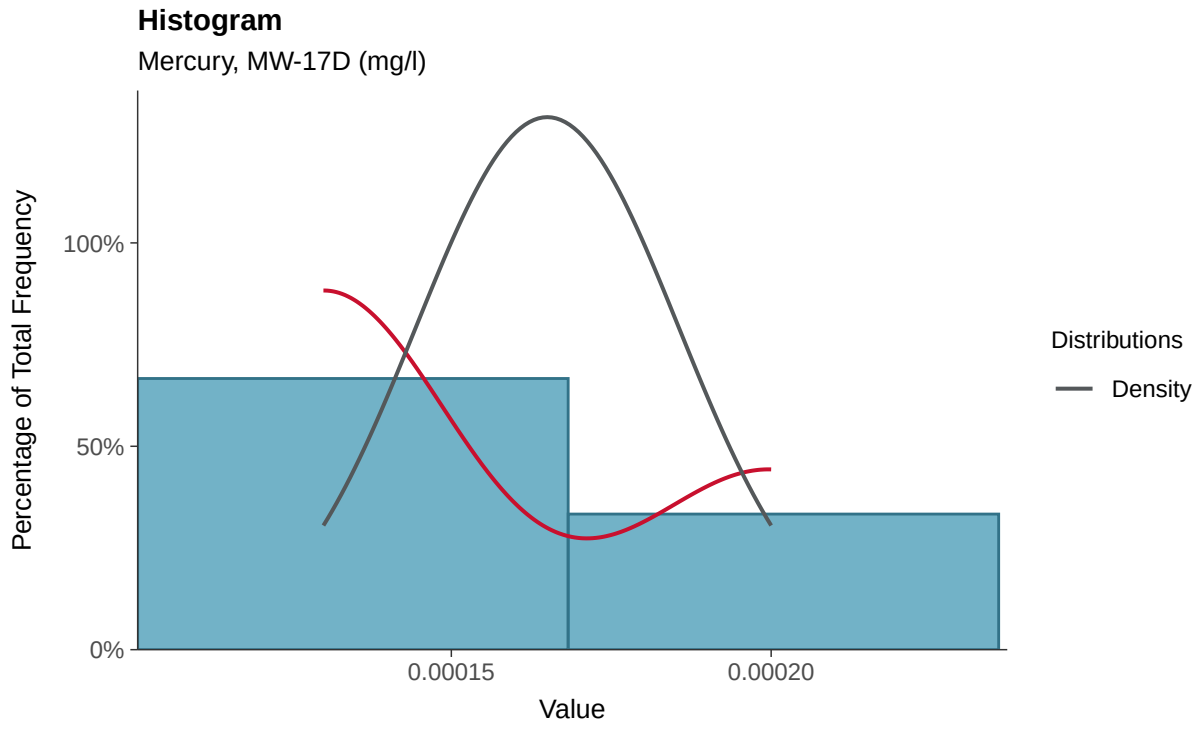



Trend Regression: Piecewise Linear-Linear
Lithium, MW-17D (mg/l)
0.07
0.06
0.05
0.04
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Mercury, MW-17D

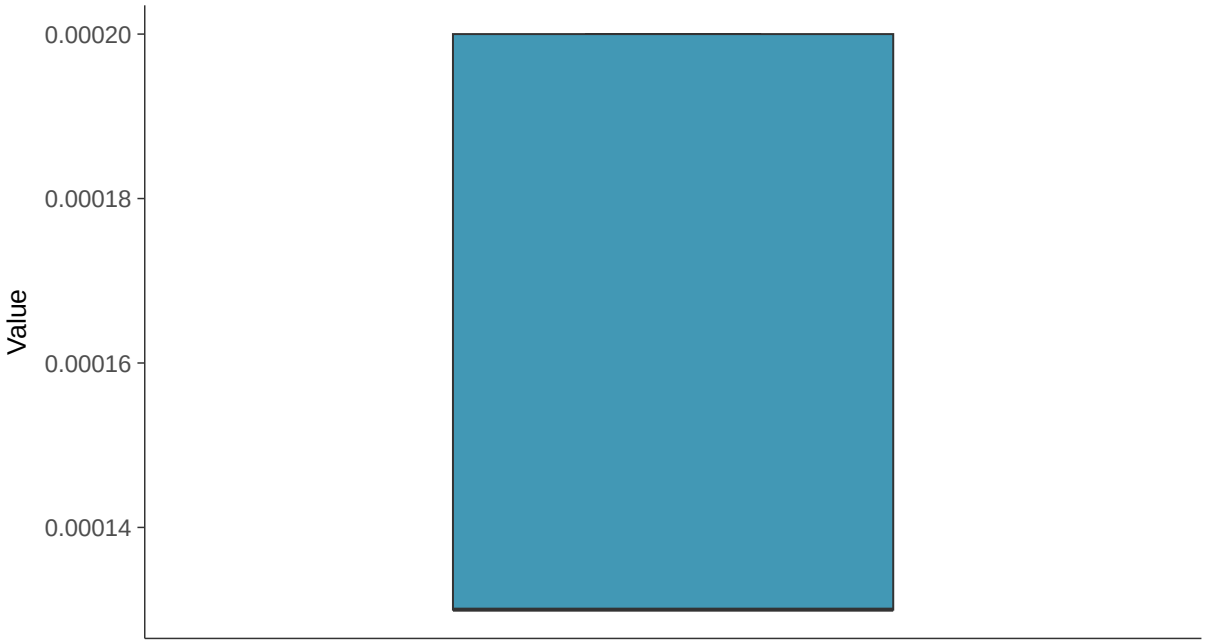
ID: 14_3_117





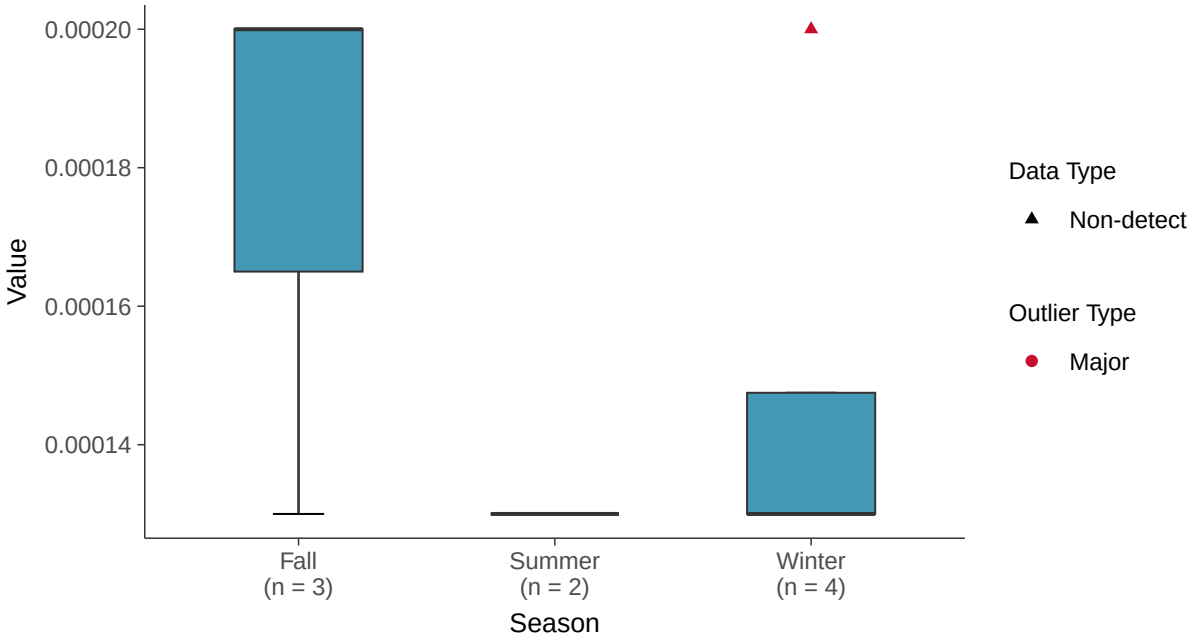
Boxplot

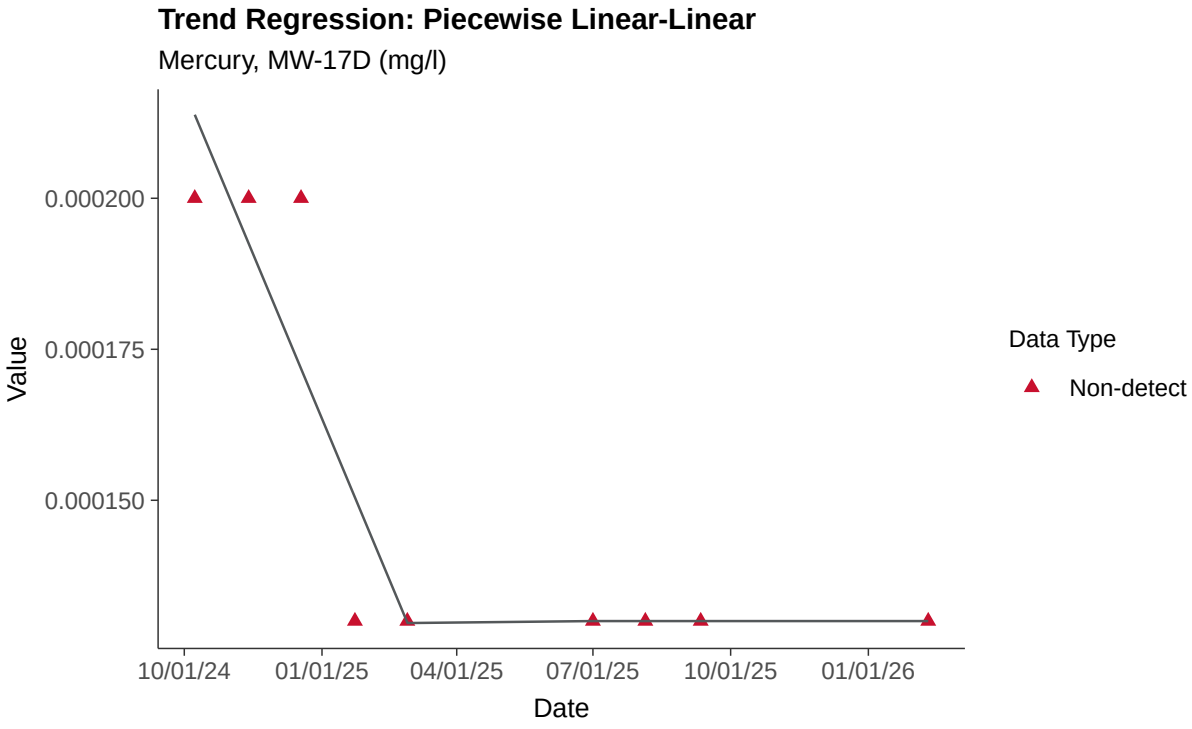
Mercury, MW-17D (mg/l)



Boxplot by Season

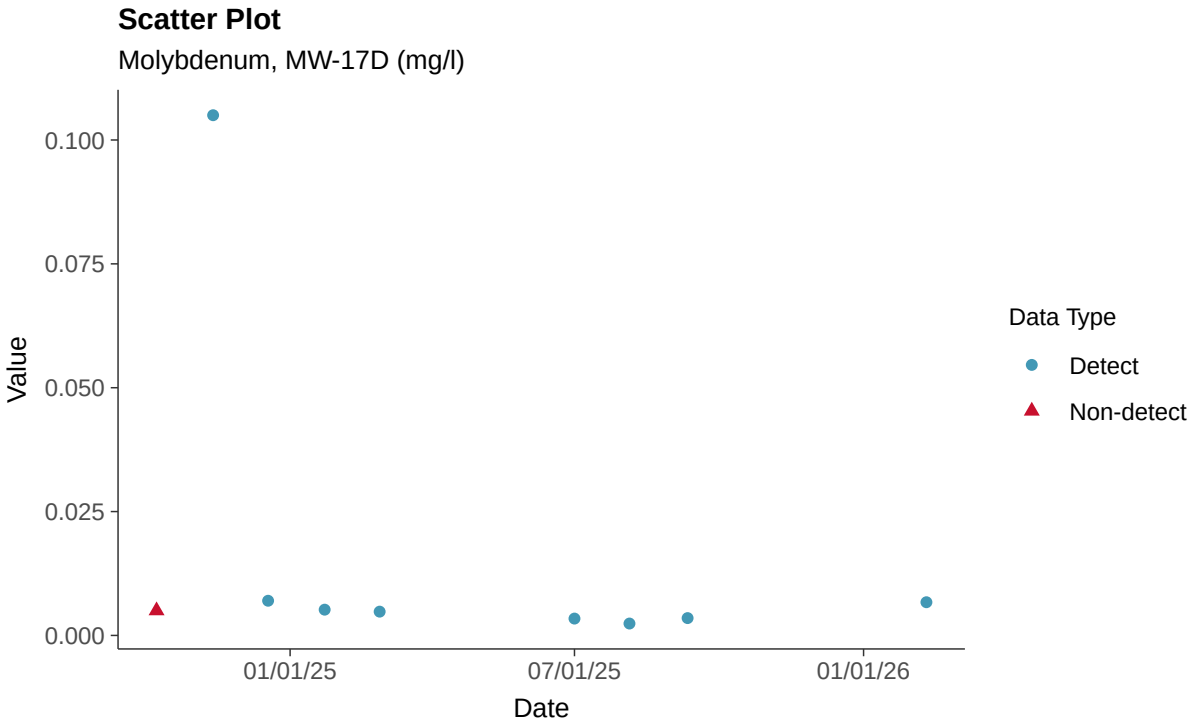
Mercury, MW-17D (mg/l)

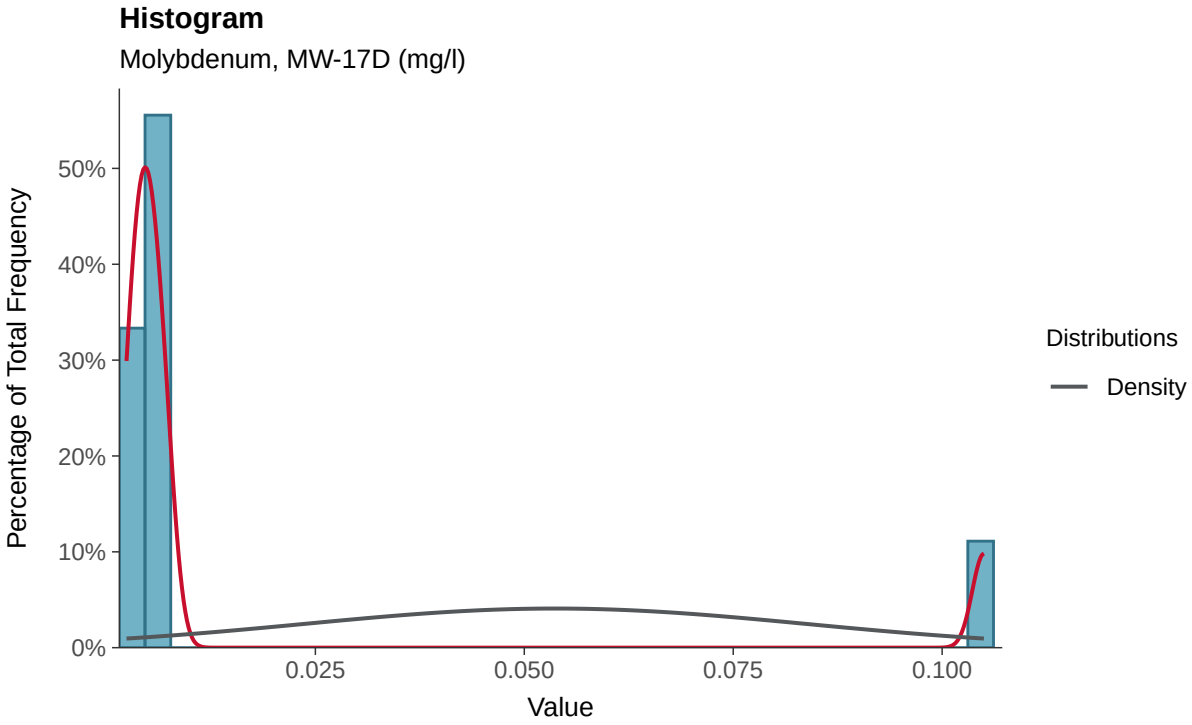



Trend Regression: Piecewise Linear-Linear
Mercury, MW-17D (mg/l)
Value
0.000200
0.000175
0.000150
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Molybdenum, MW-17D

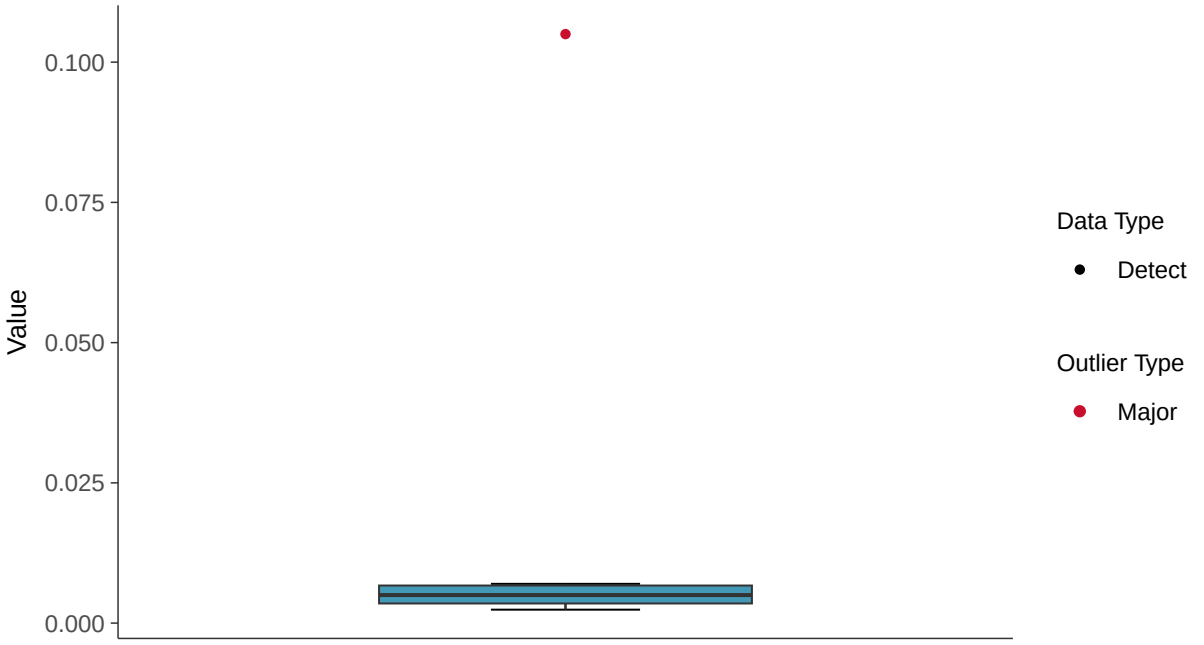
ID: 14_3_118





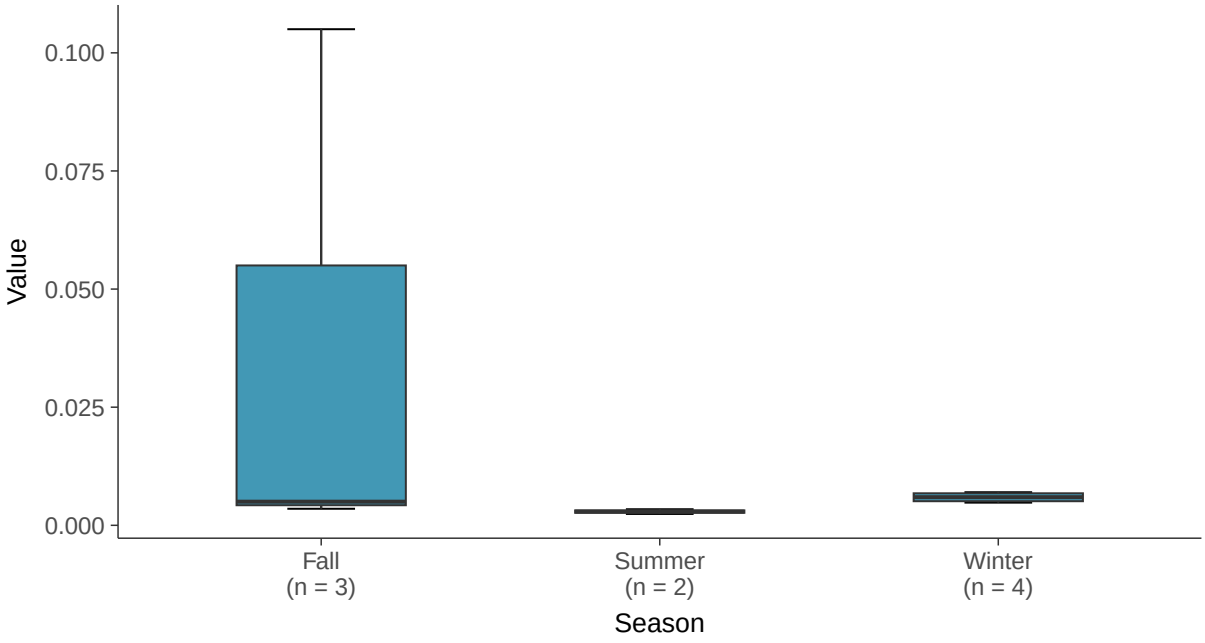
Boxplot

Molybdenum, MW-17D (mg/l)



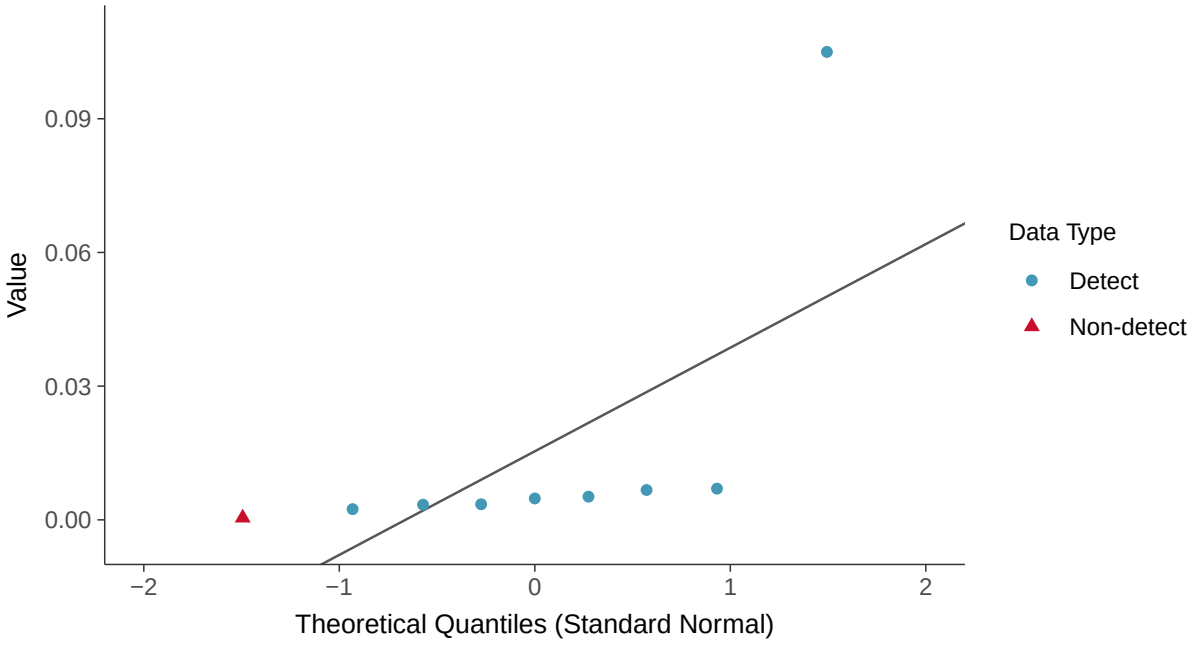
Boxplot by Season

Molybdenum, MW-17D (mg/l)



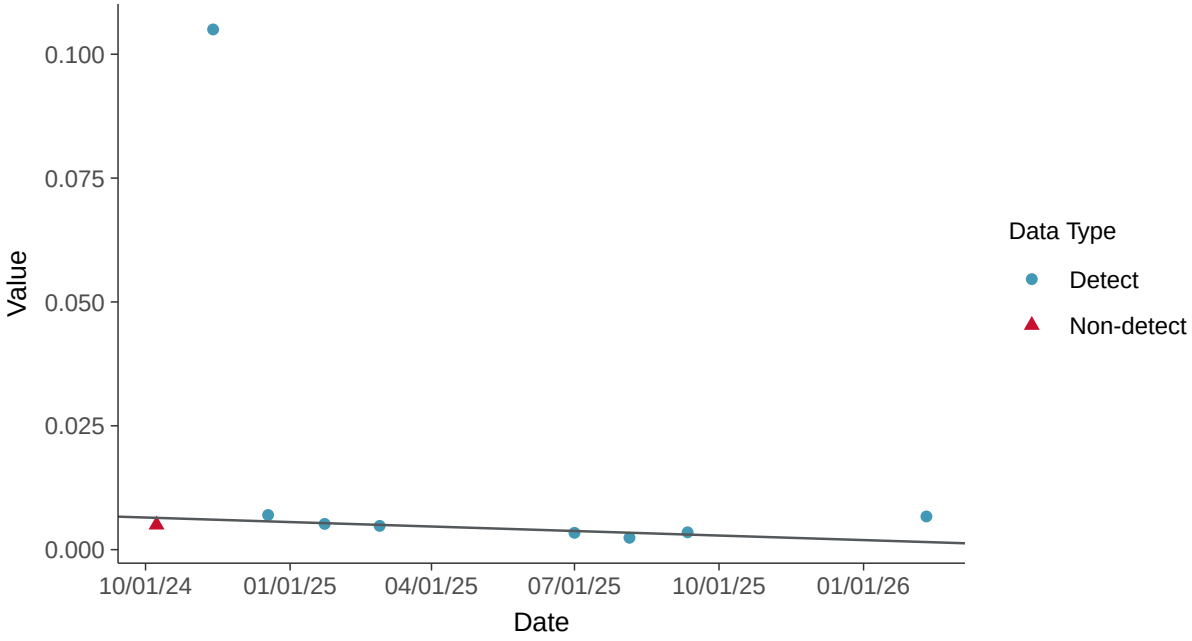
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-17D (mg/l)



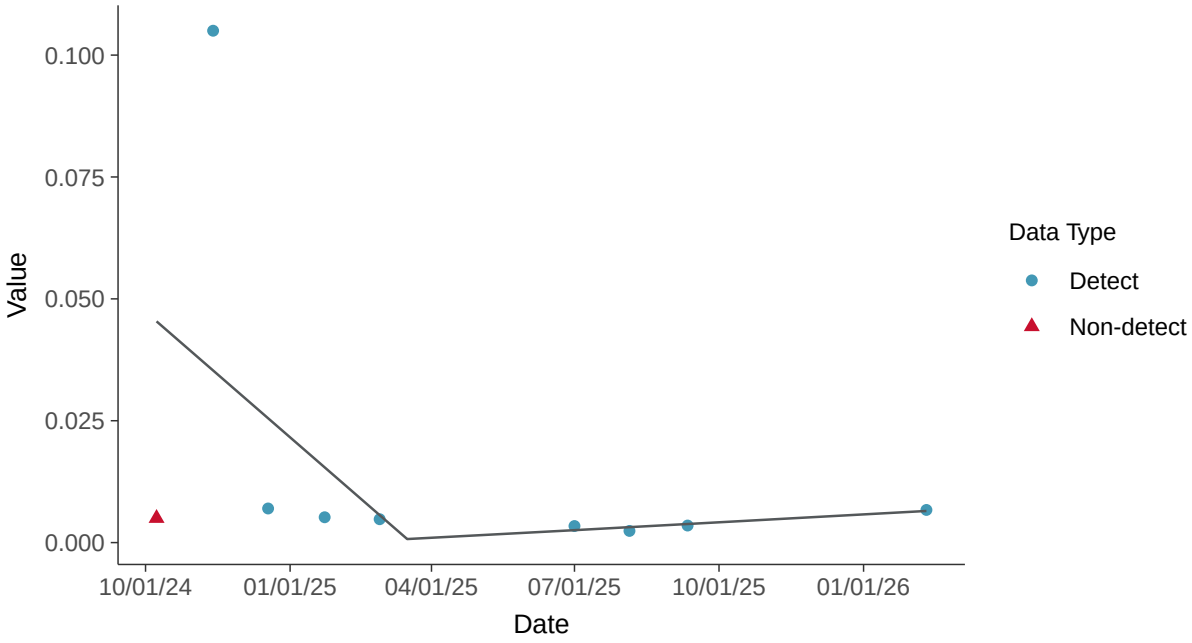
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Molybdenum, MW-17D (mg/l)



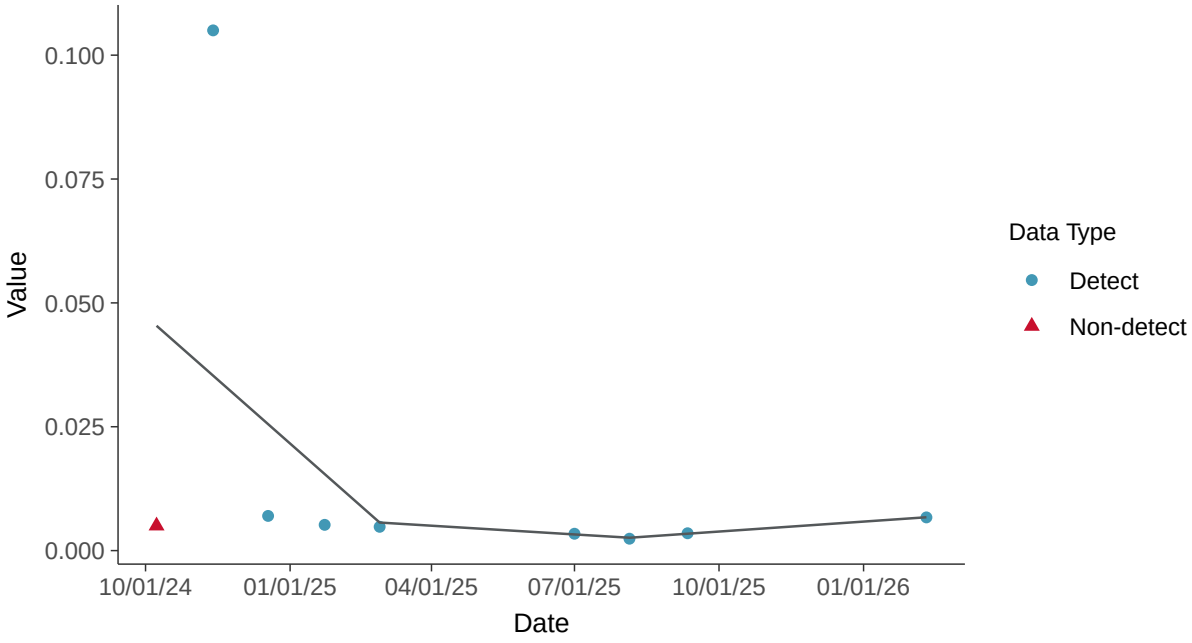
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-17D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-17D (mg/l)

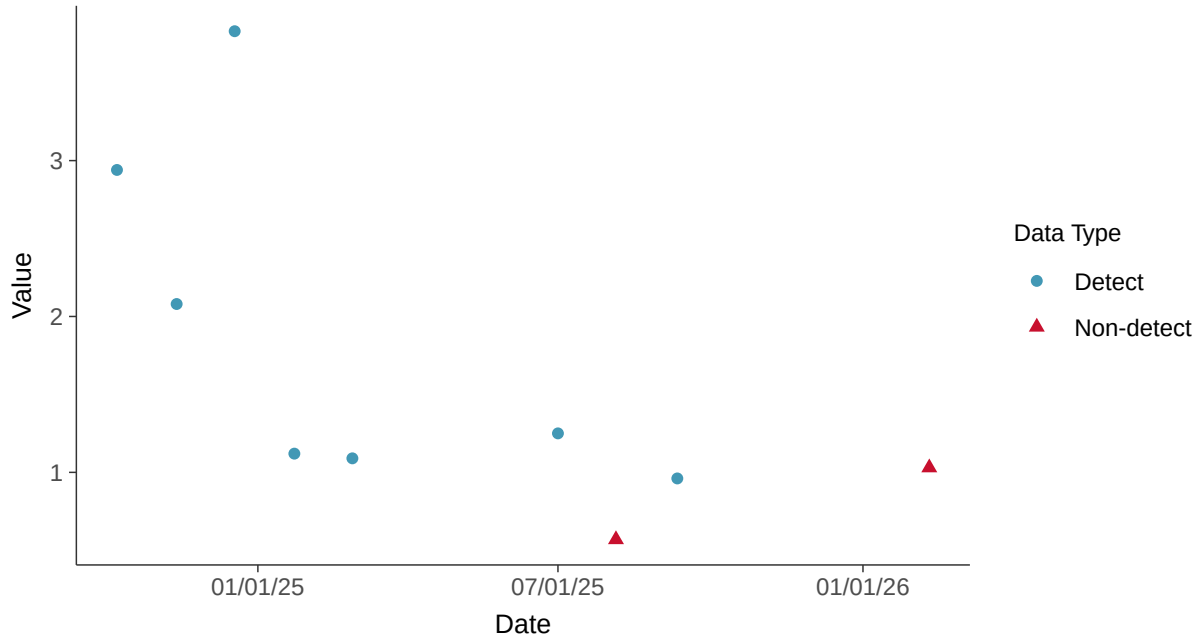


Appendix IV: Radium-226+228, MW-17D

ID: 14_3_121

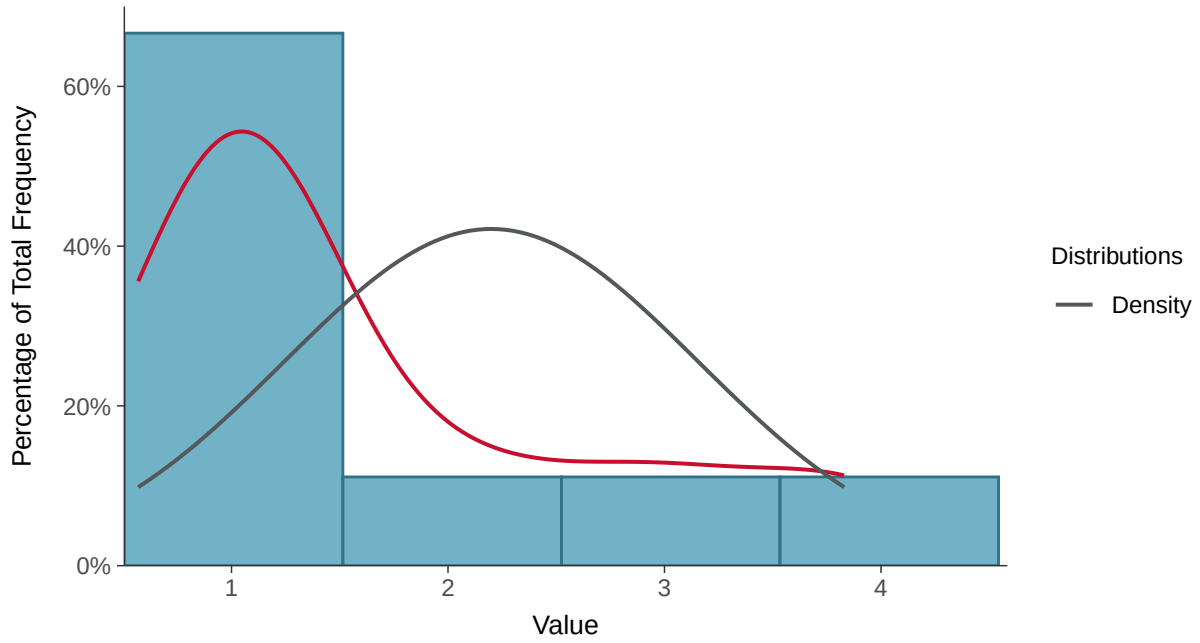
Scatter Plot

Radium-226+228, MW-17D (pci/l)



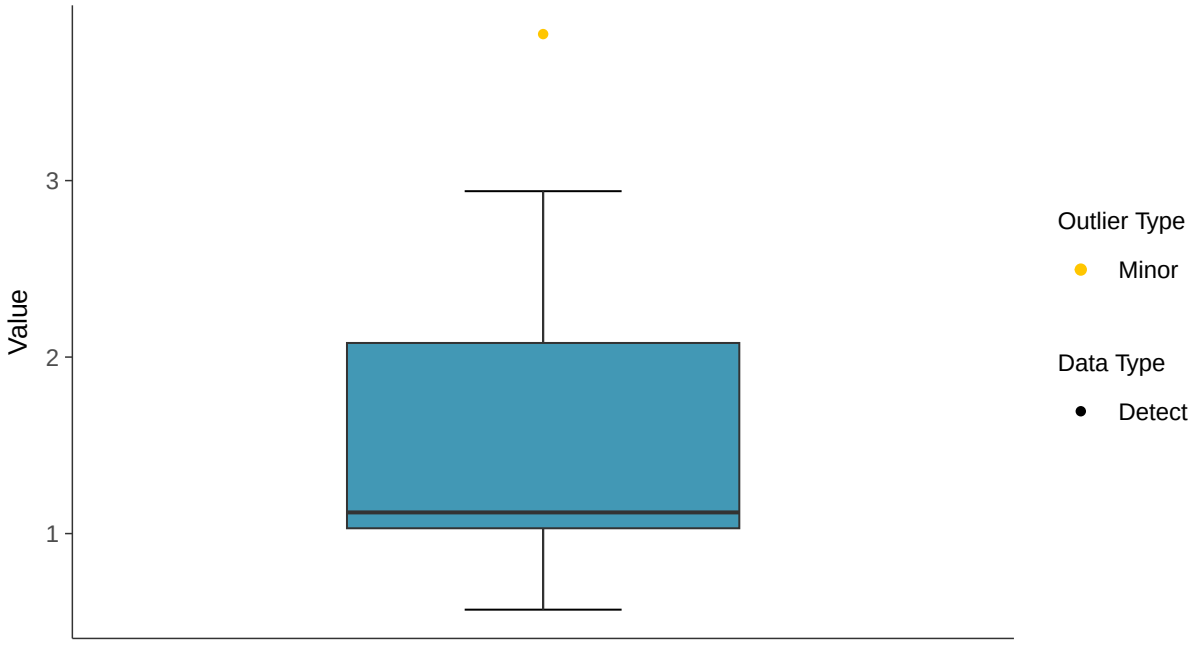
Histogram

Radium-226+228, MW-17D (pci/l)



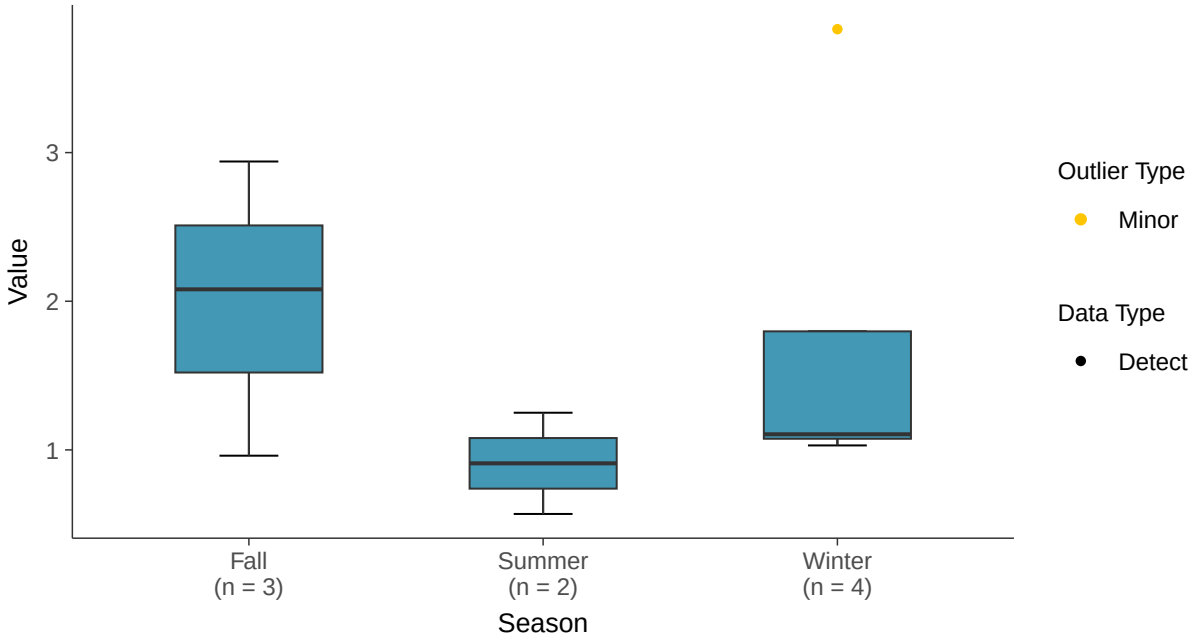
Boxplot

Radium-226+228, MW-17D (pci/l)



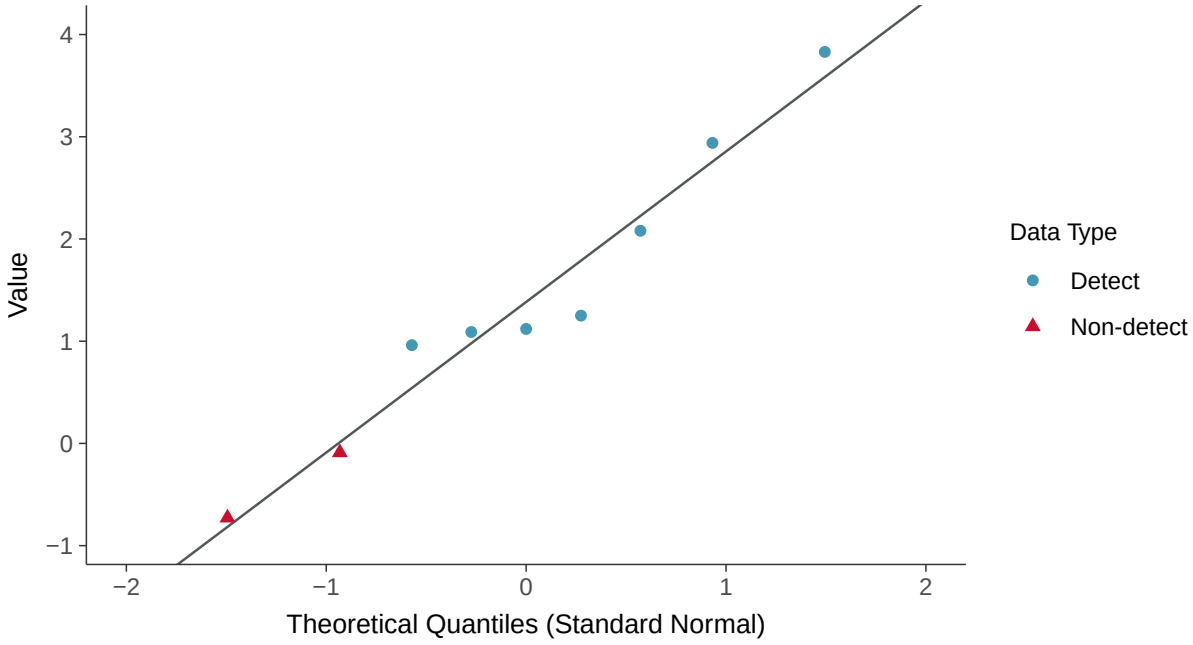
Boxplot by Season

Radium-226+228, MW-17D (pci/l)



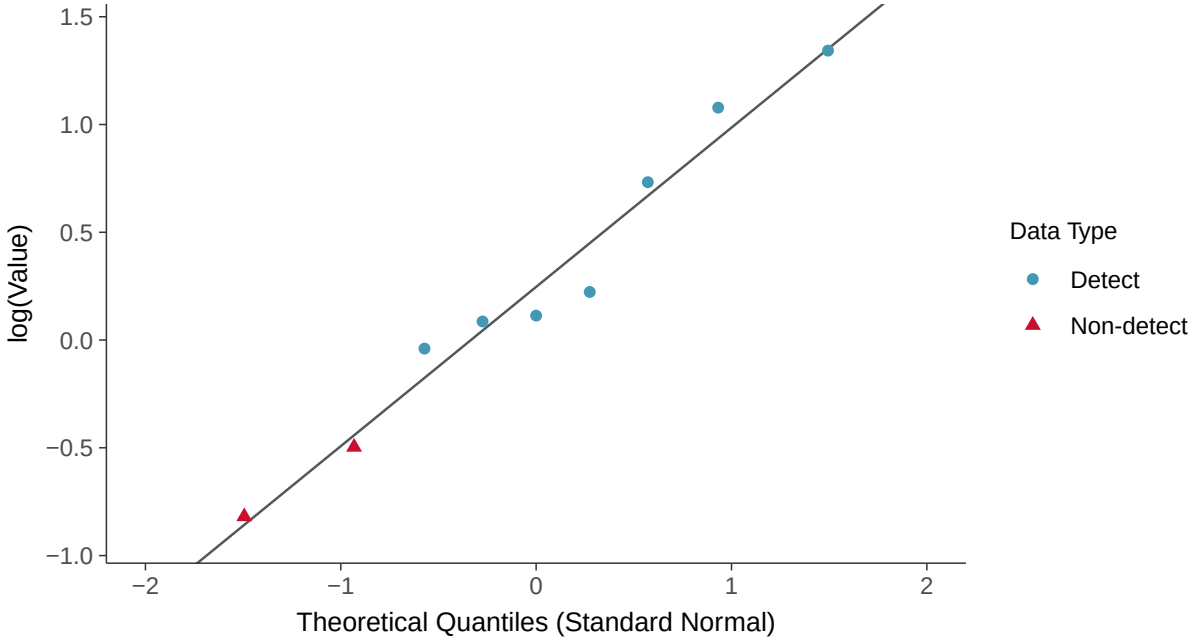
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-17D (pci/l)



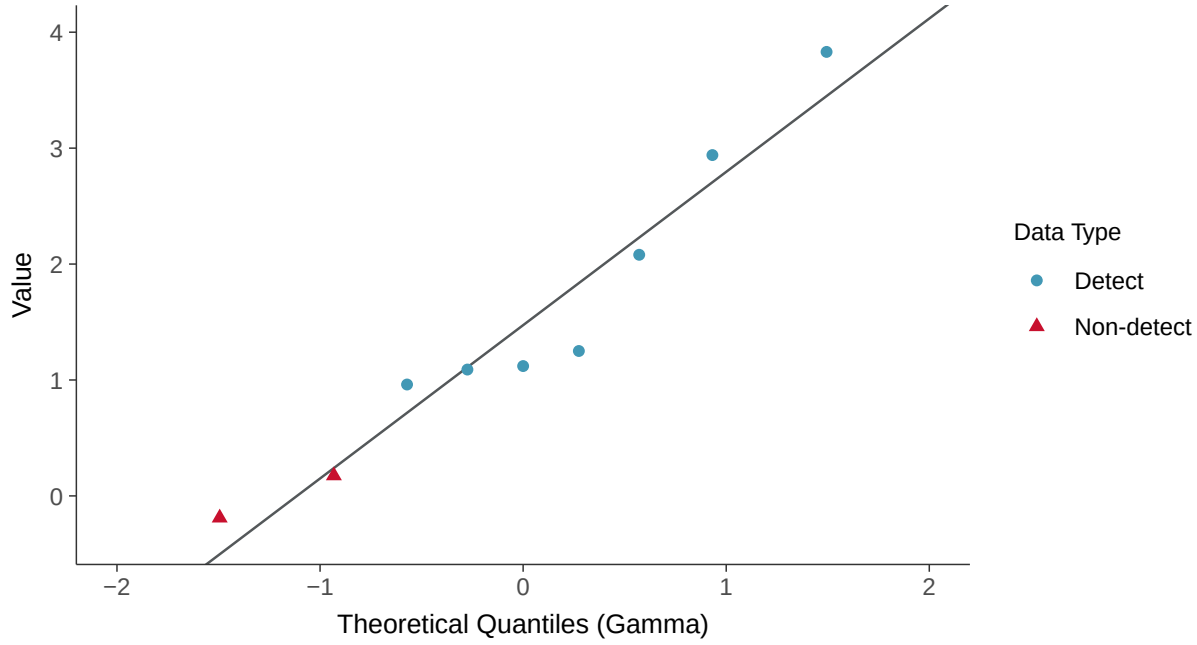
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-17D (pci/l)



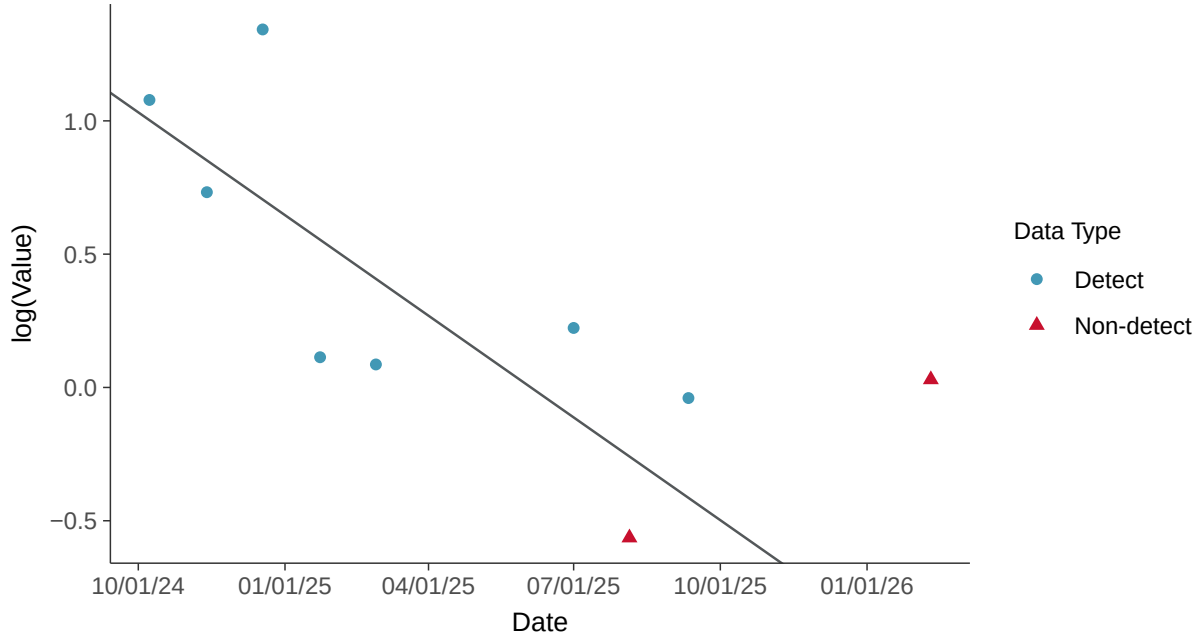
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-17D (pci/l)



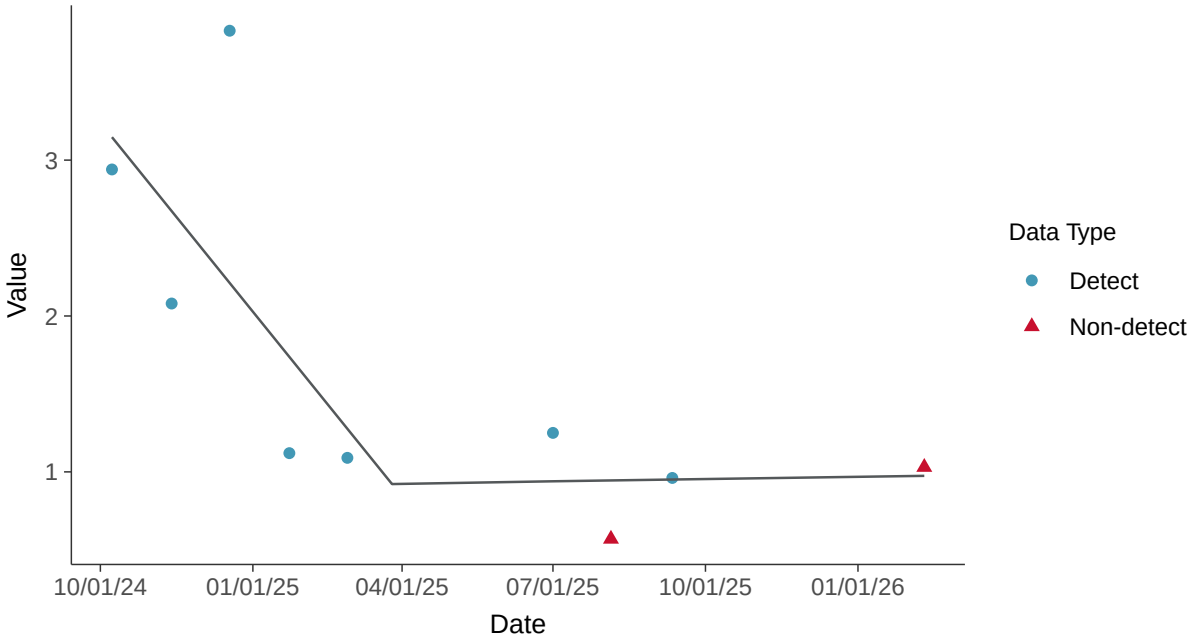
Trend Regression: Lognormal MLE

Radium-226+228, MW-17D (pci/l)



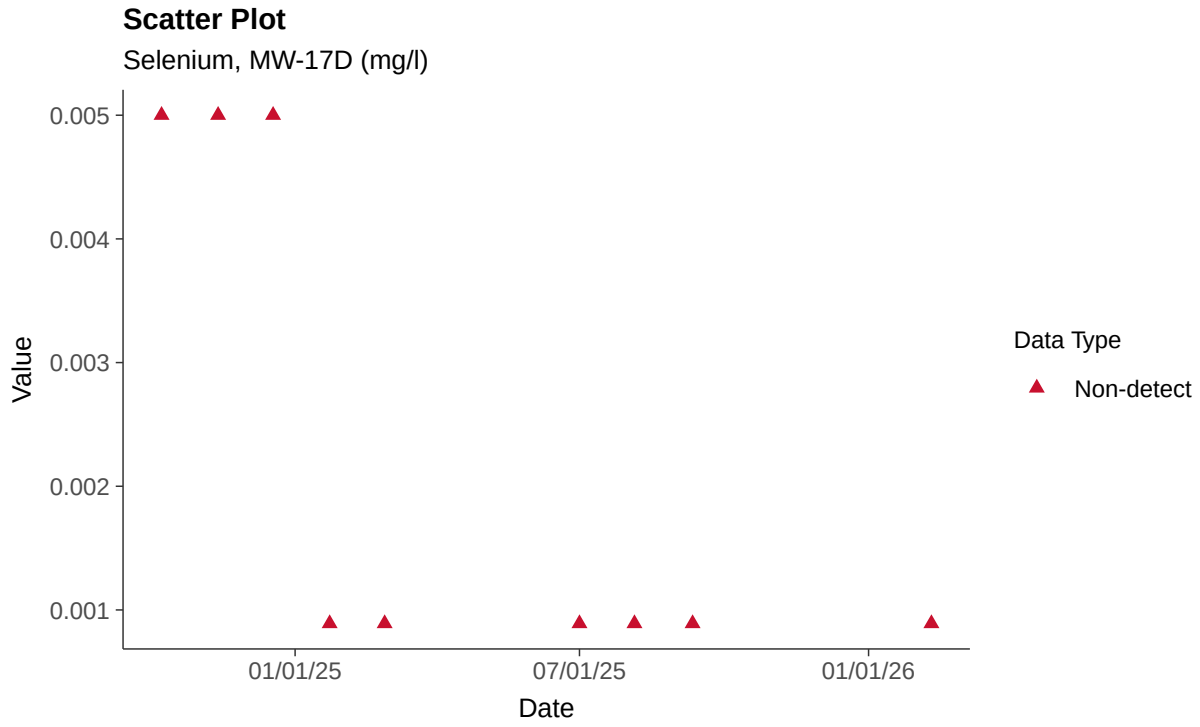
Trend Regression: Piecewise Linear-Linear

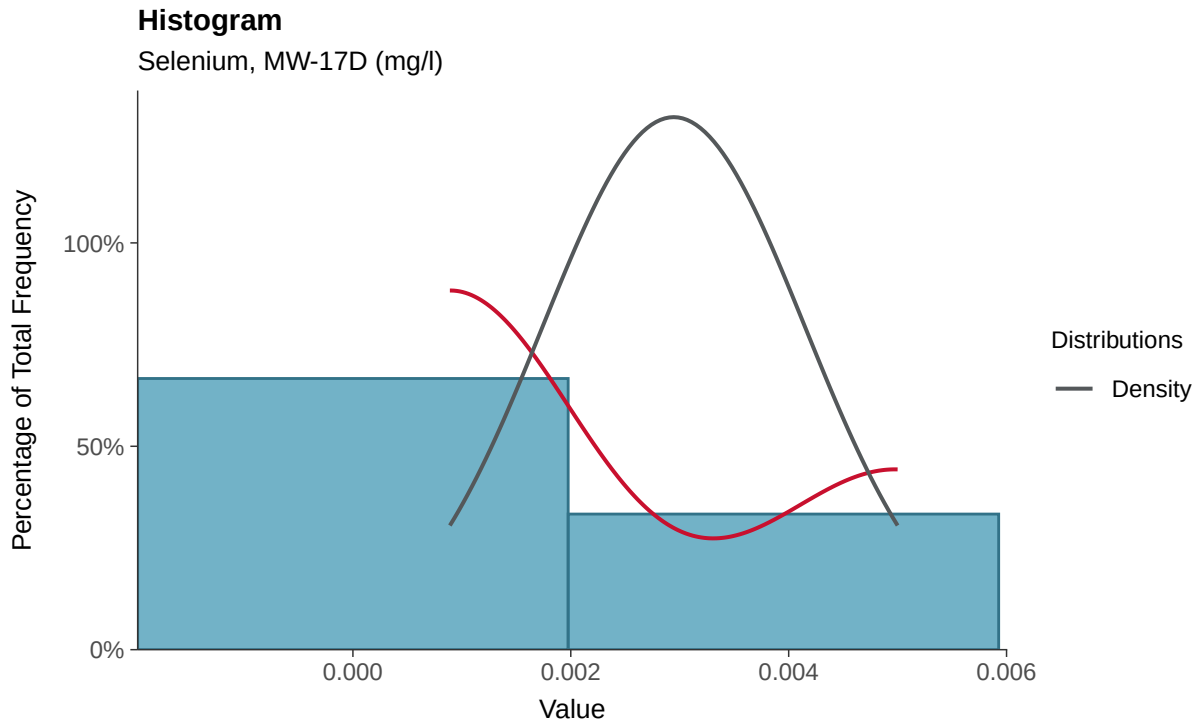
Radium-226+228, MW-17D (pci/l)



Appendix IV: Selenium, MW-17D

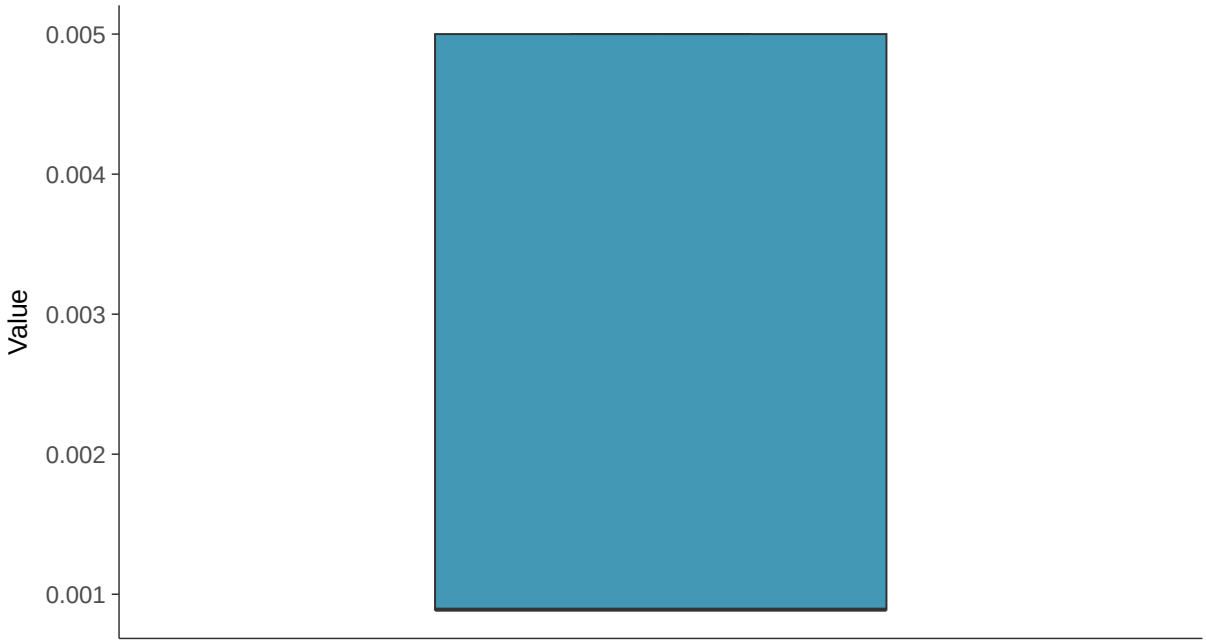
ID: 14_3_122





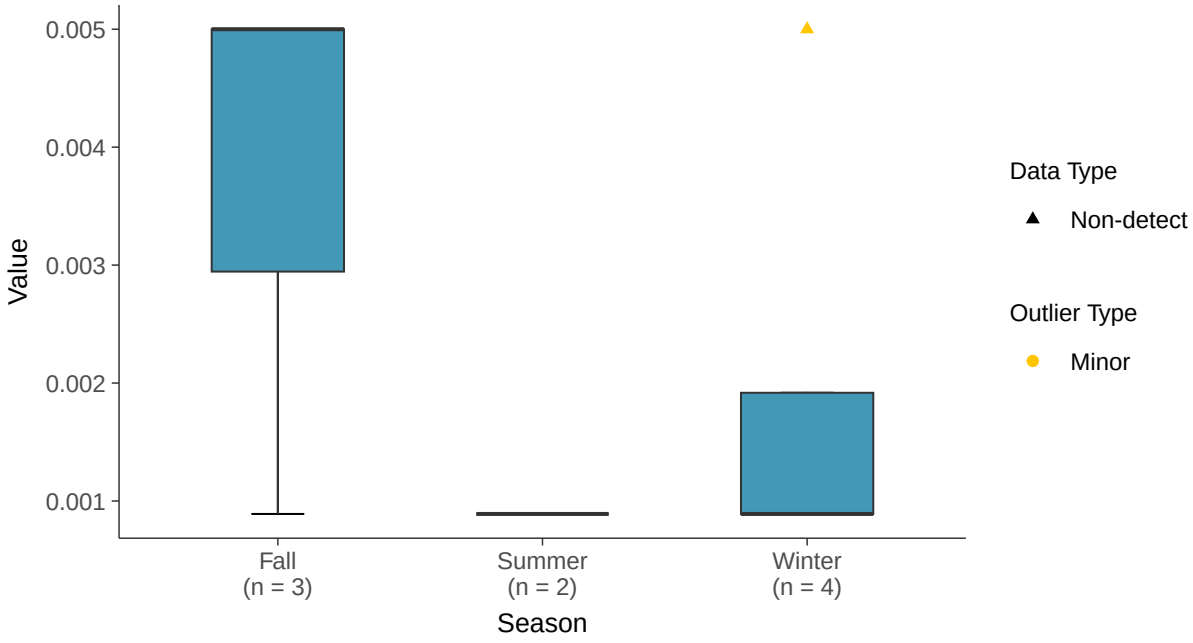
Boxplot

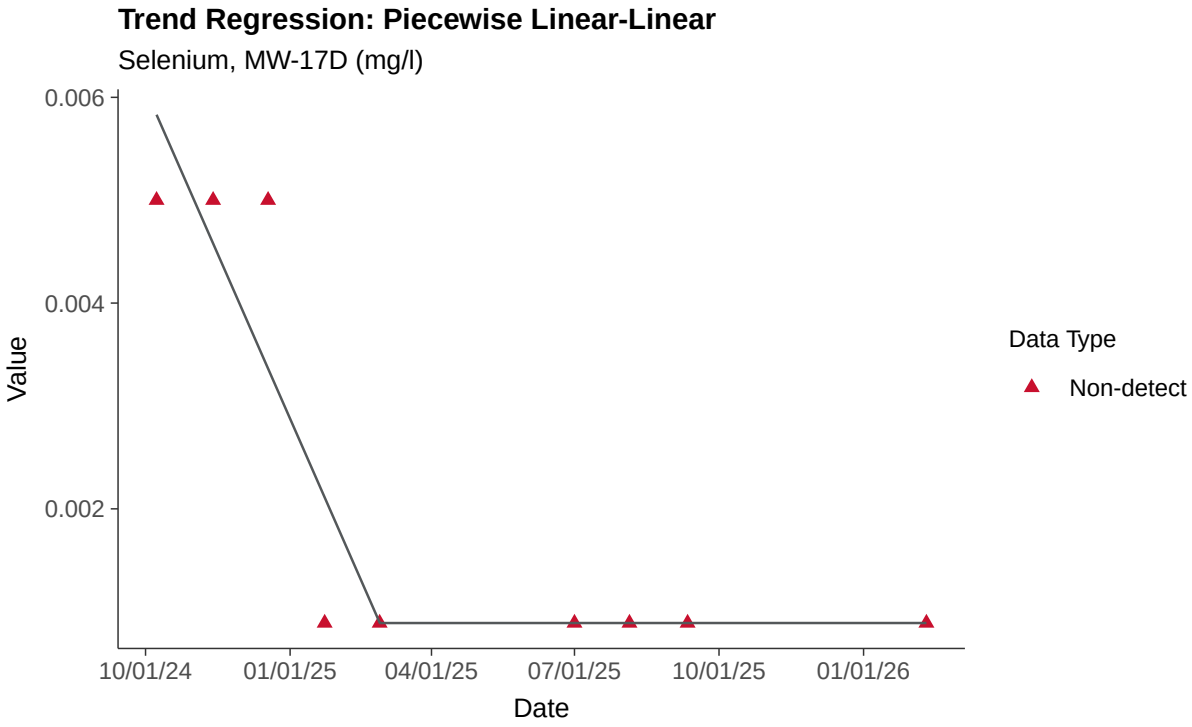
Selenium, MW-17D (mg/l)



Boxplot by Season

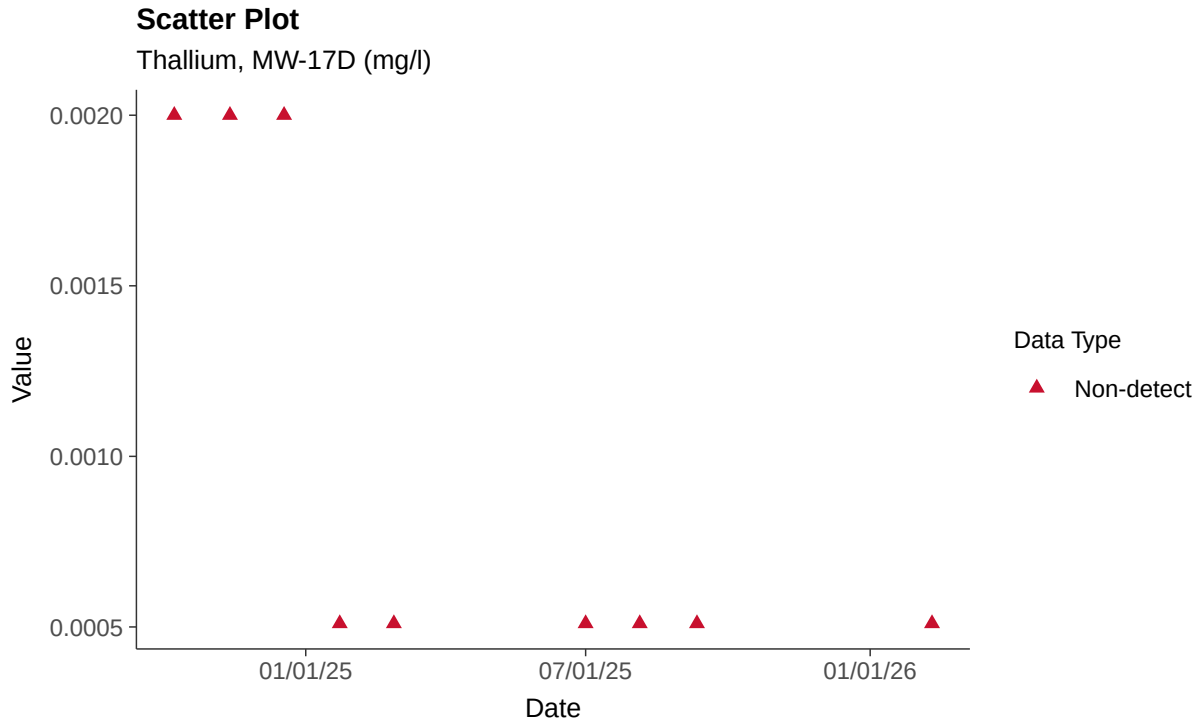
Selenium, MW-17D (mg/l)

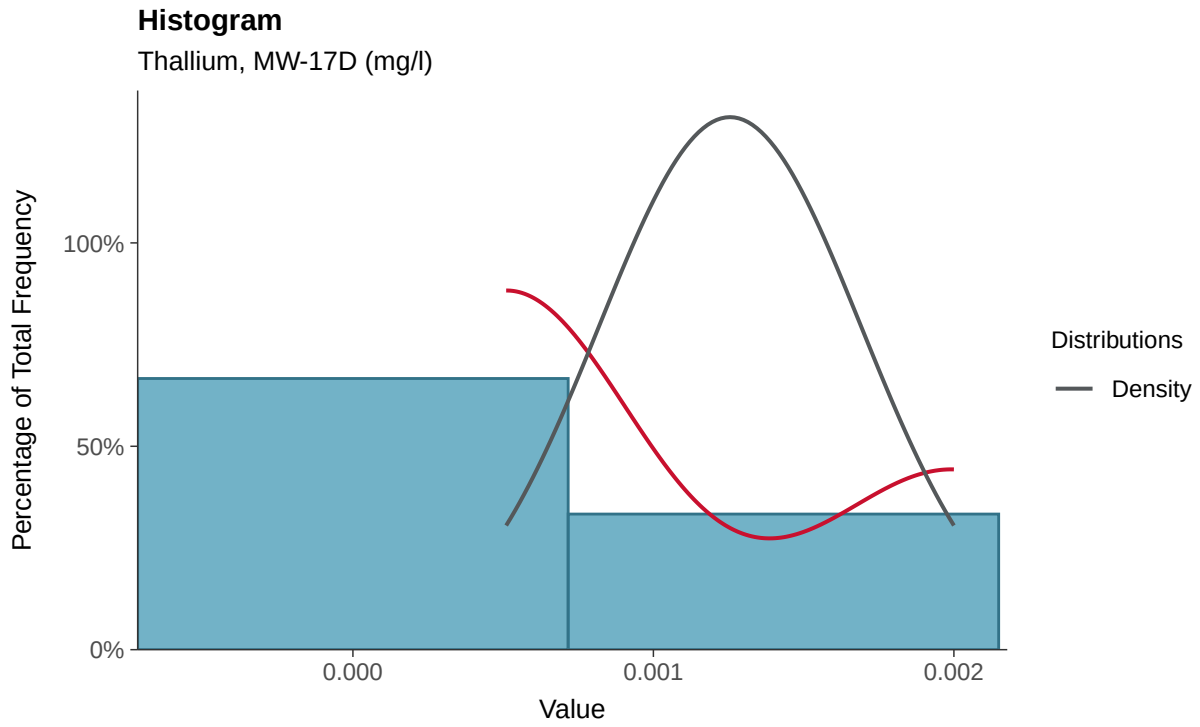



Trend Regression: Piecewise Linear-Linear
Selenium, MW-17D (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-17D

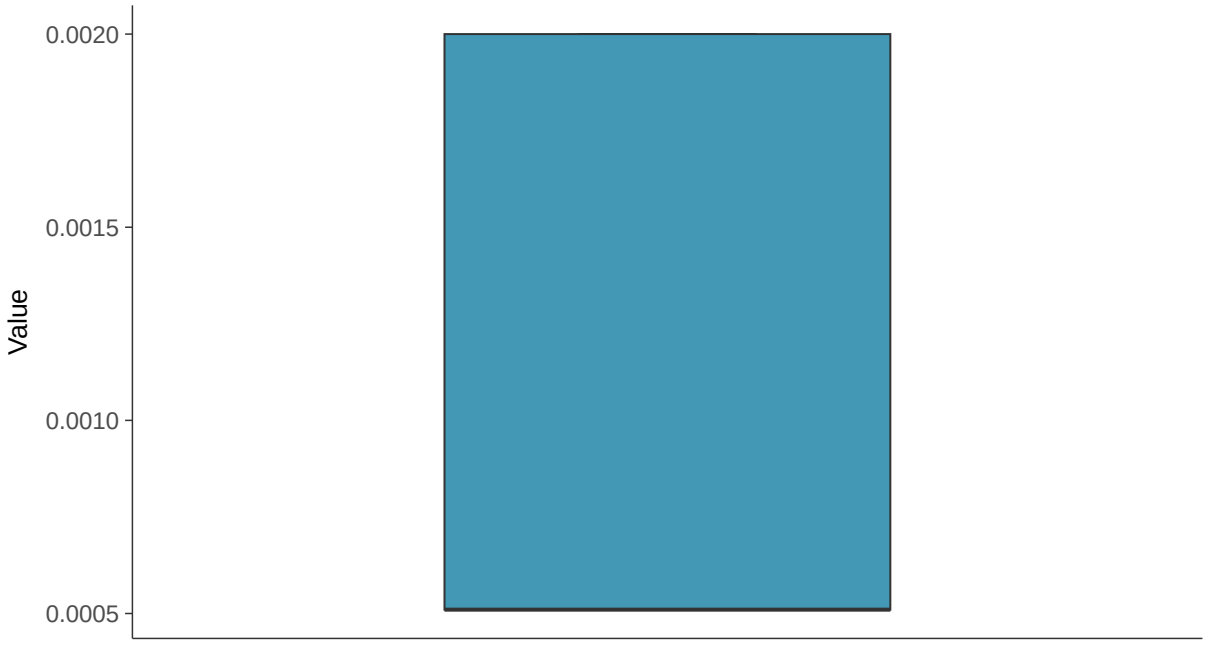
ID: 14_3_125





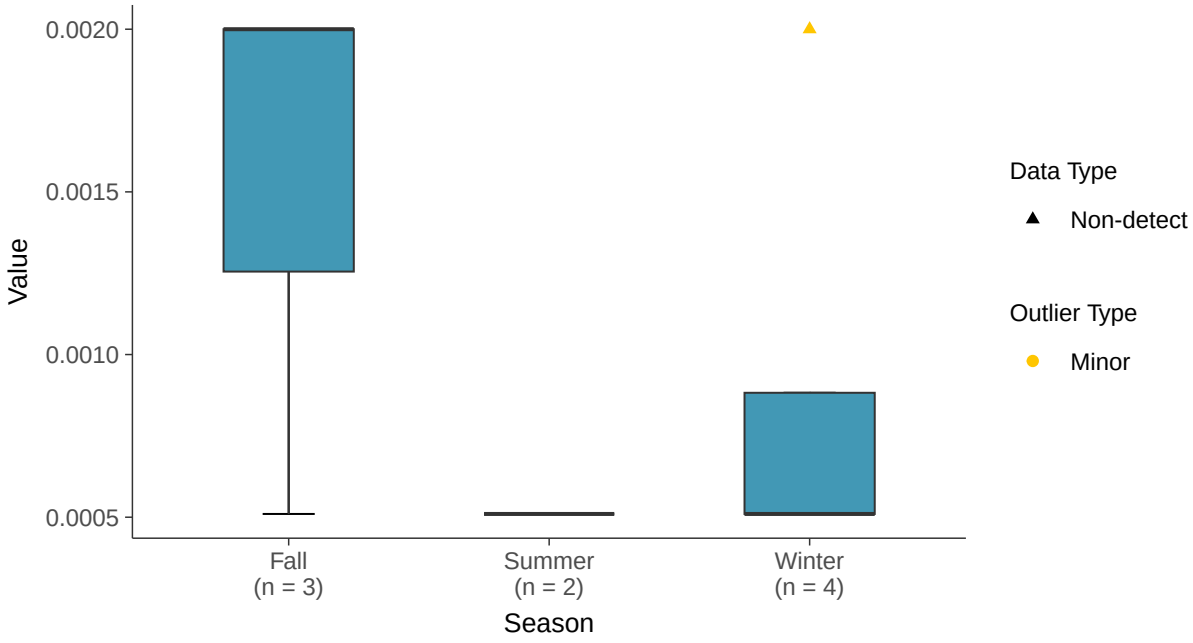
Boxplot

Thallium, MW-17D (mg/l)



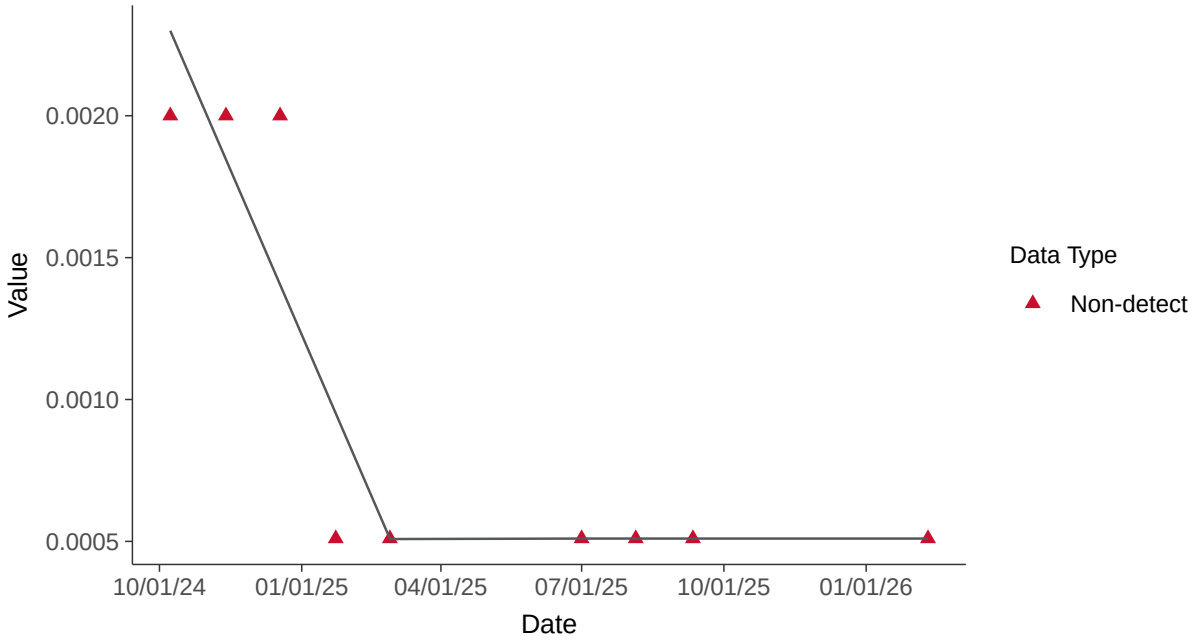
Boxplot by Season

Thallium, MW-17D (mg/l)



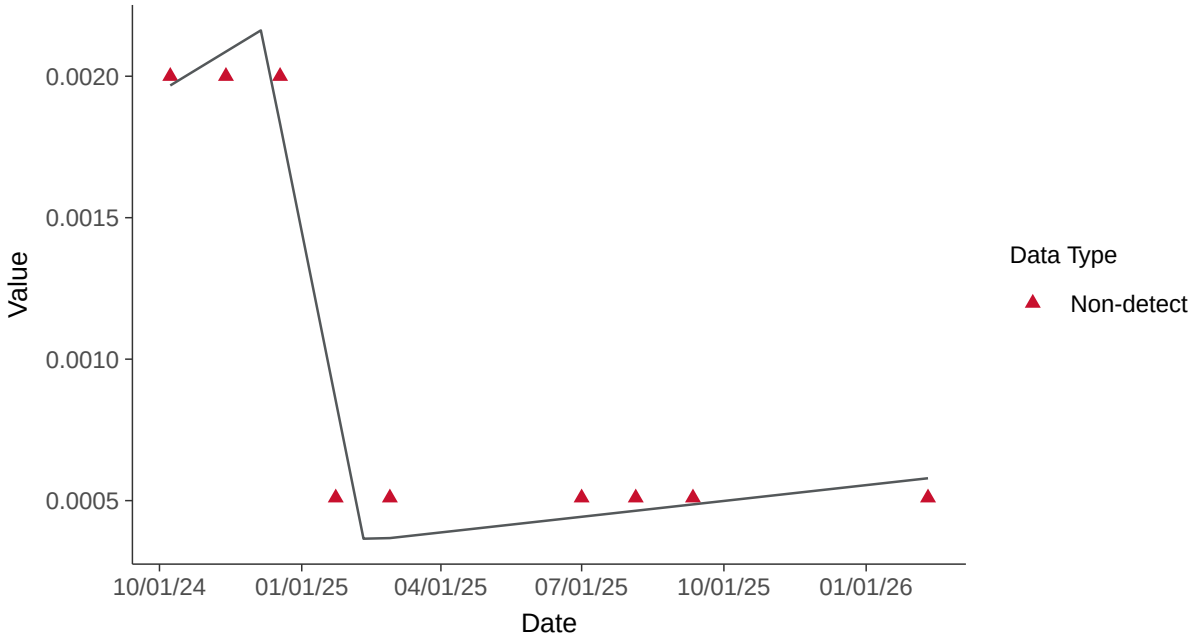
Trend Regression: Piecewise Linear-Linear

Thallium, MW-17D (mg/l)



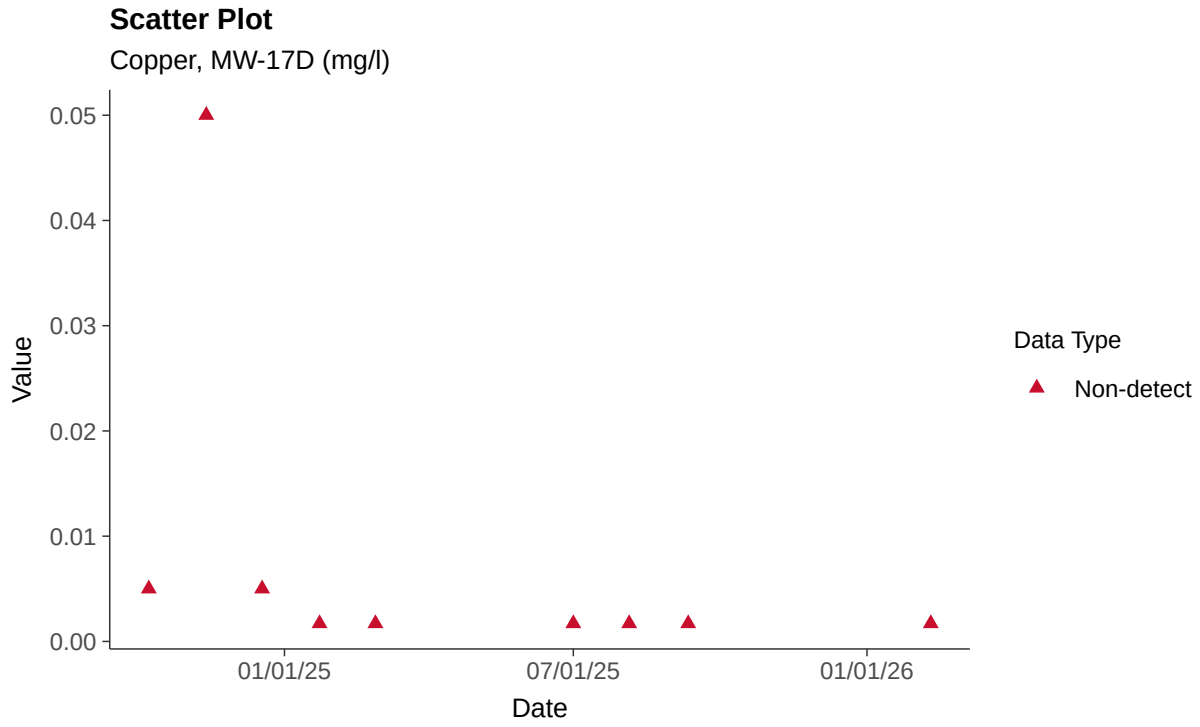
Trend Regression: Piecewise Linear-Linear-Linear

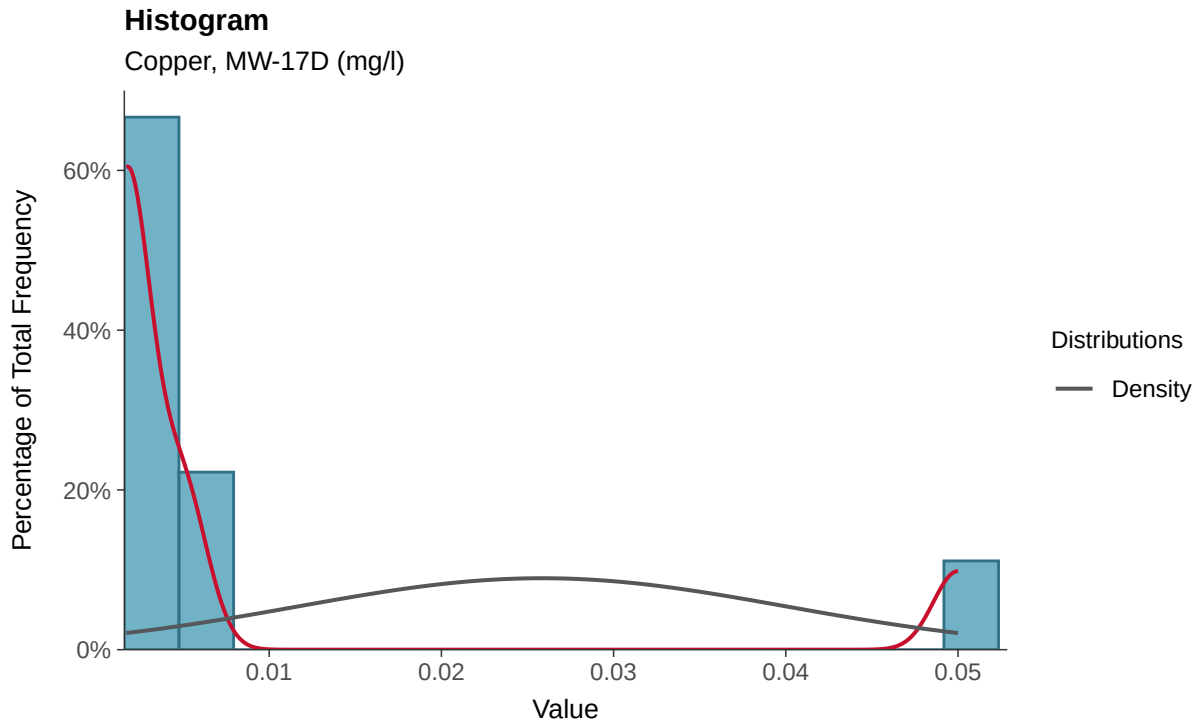
Thallium, MW-17D (mg/l)



Part 115: Copper, MW-17D

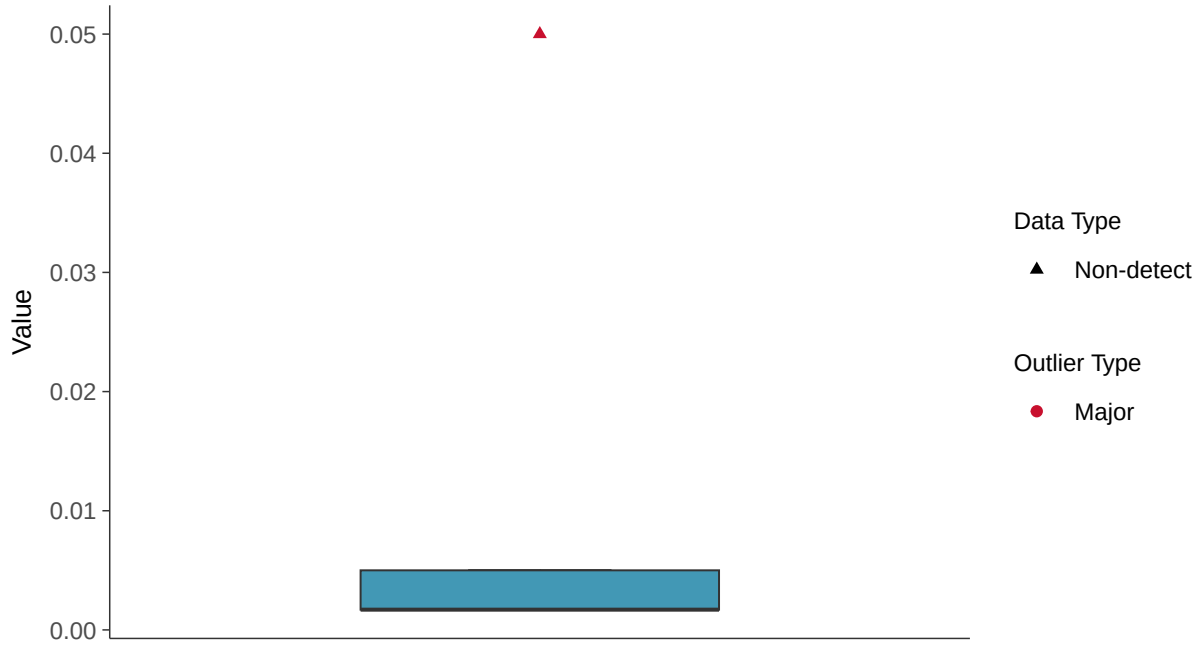
ID: 14_5_111





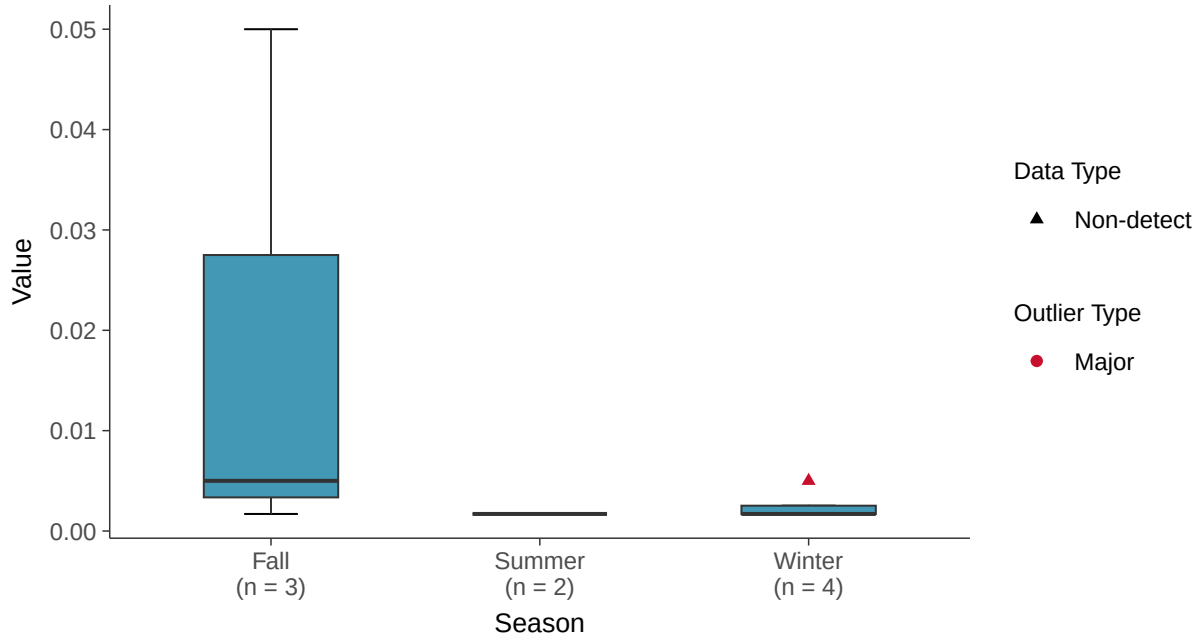
Boxplot

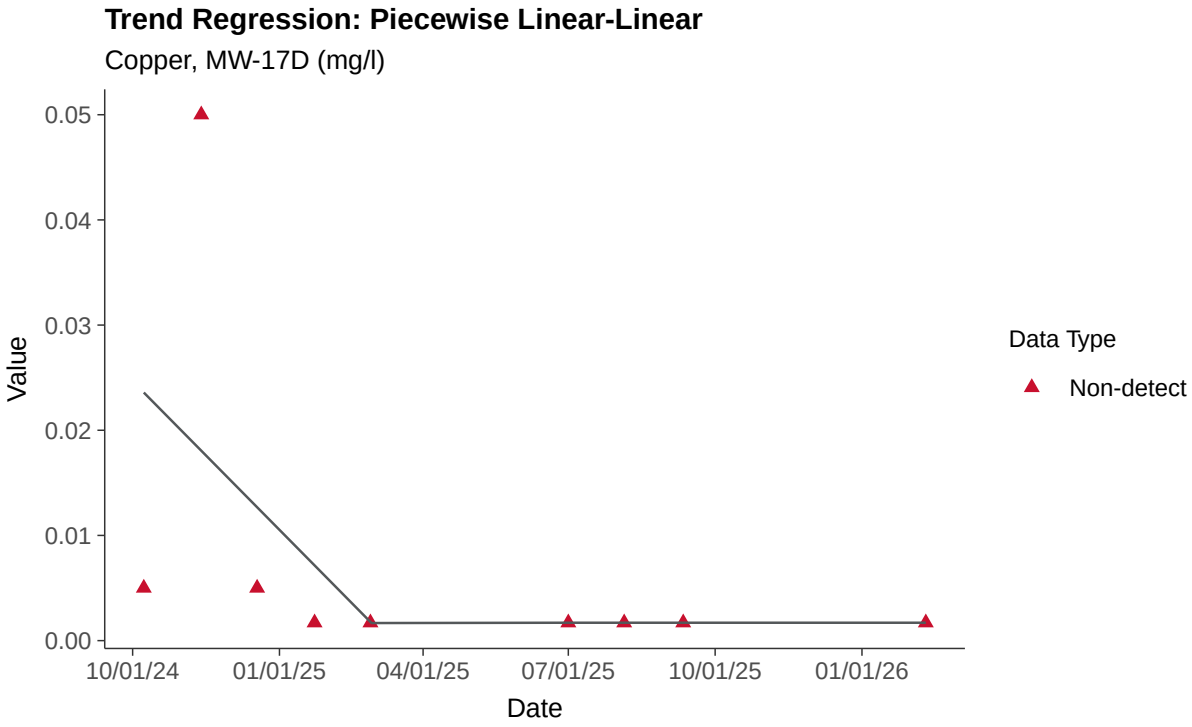
Copper, MW-17D (mg/l)



Boxplot by Season

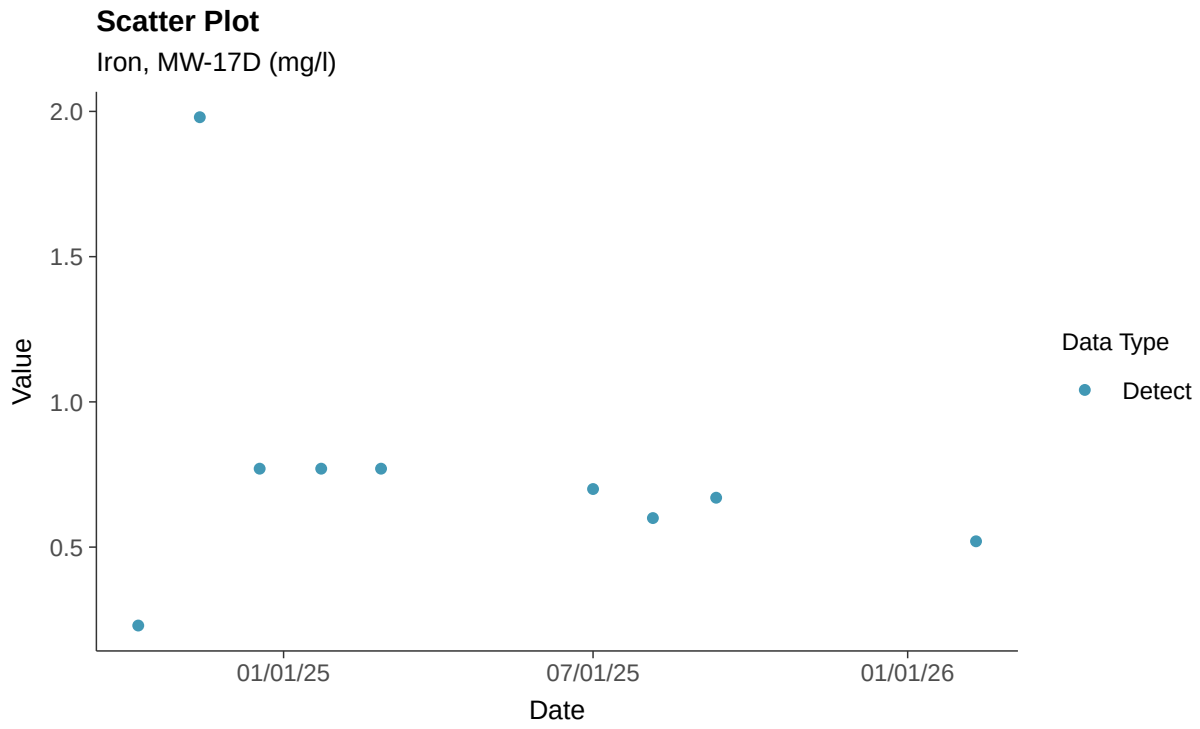
Copper, MW-17D (mg/l)

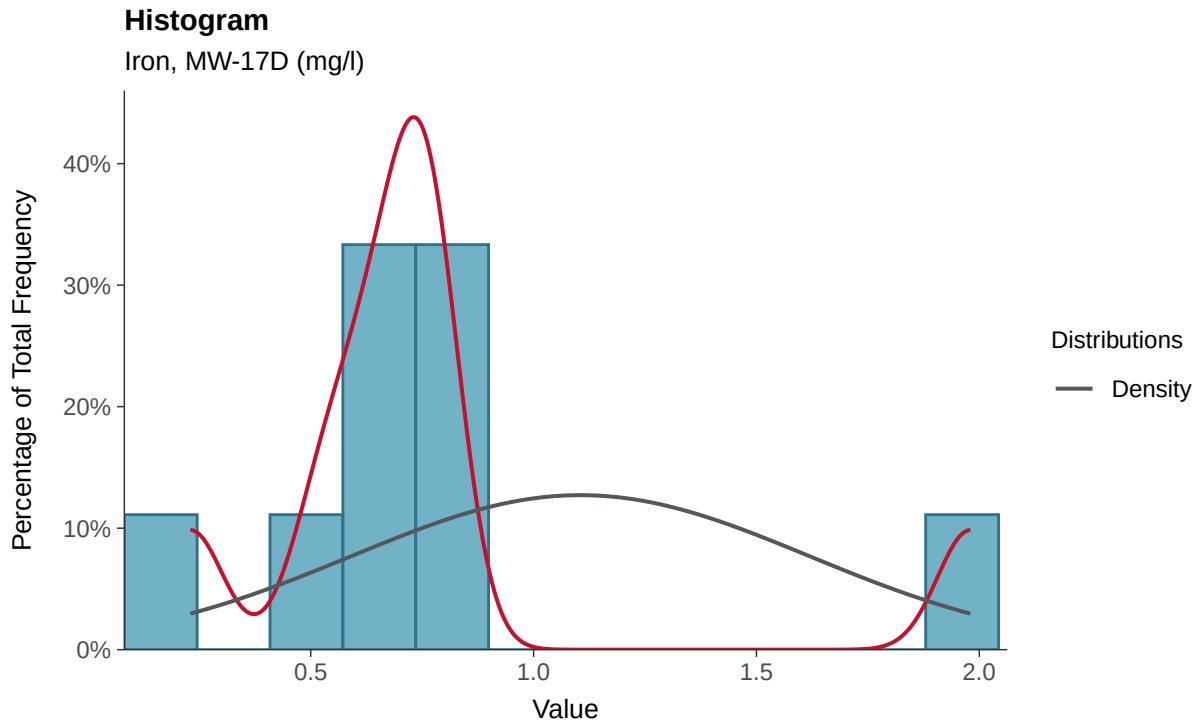



Trend Regression: Piecewise Linear-Linear
Copper, MW-17D (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Iron, MW-17D

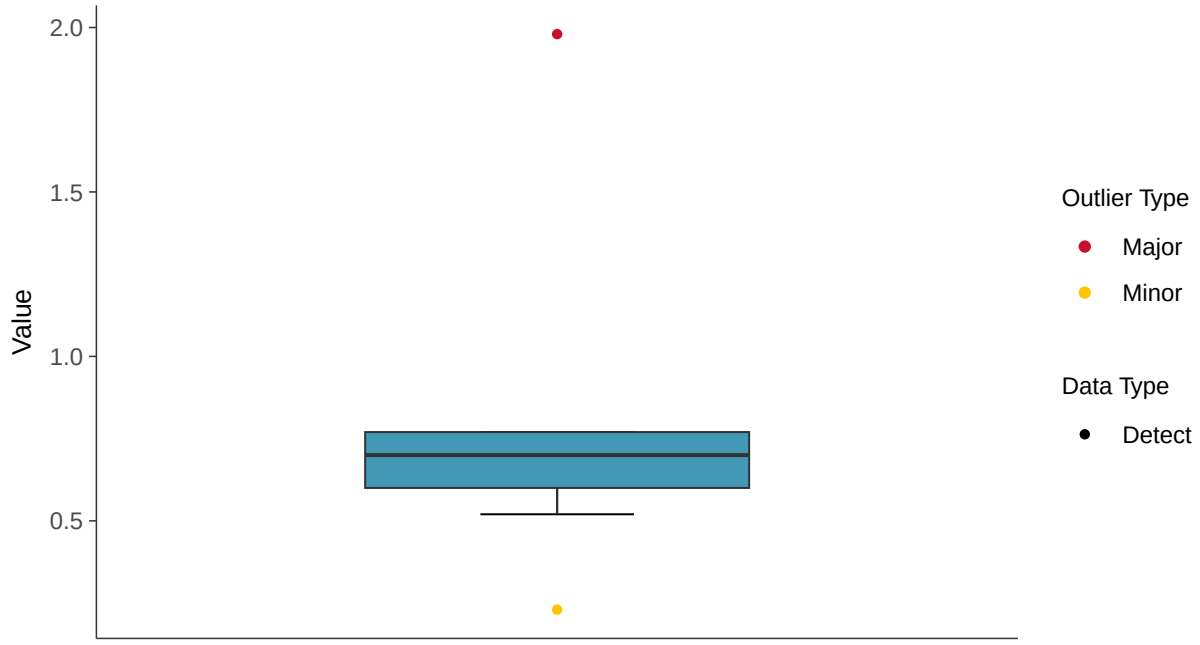
ID: 14_5_114





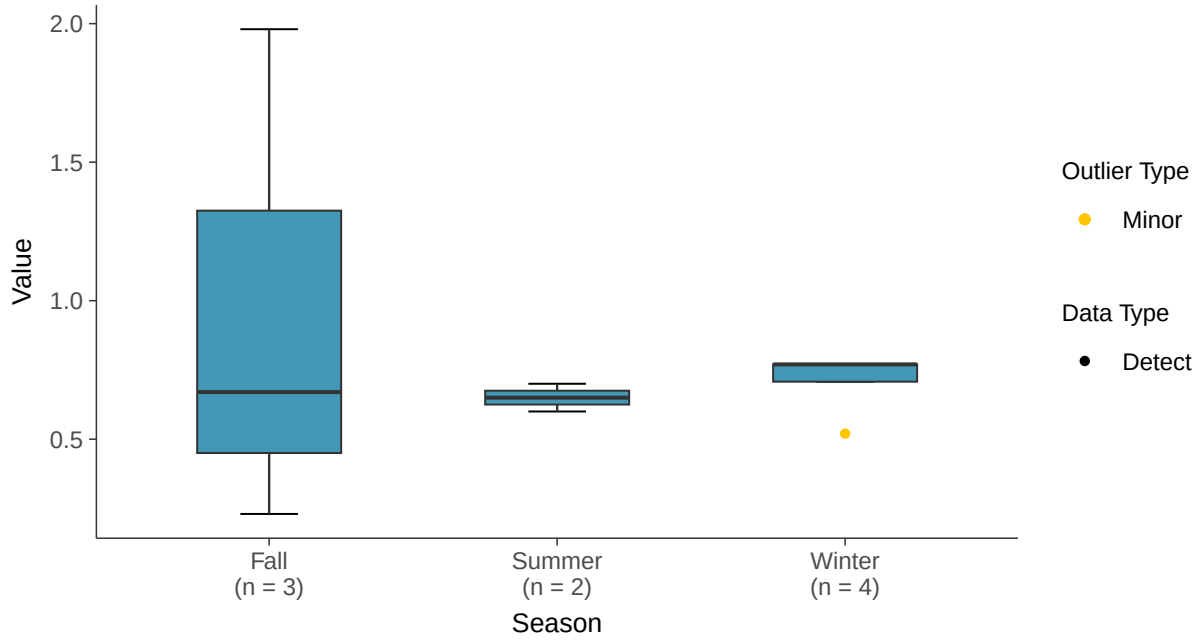
Boxplot

Iron, MW-17D (mg/l)



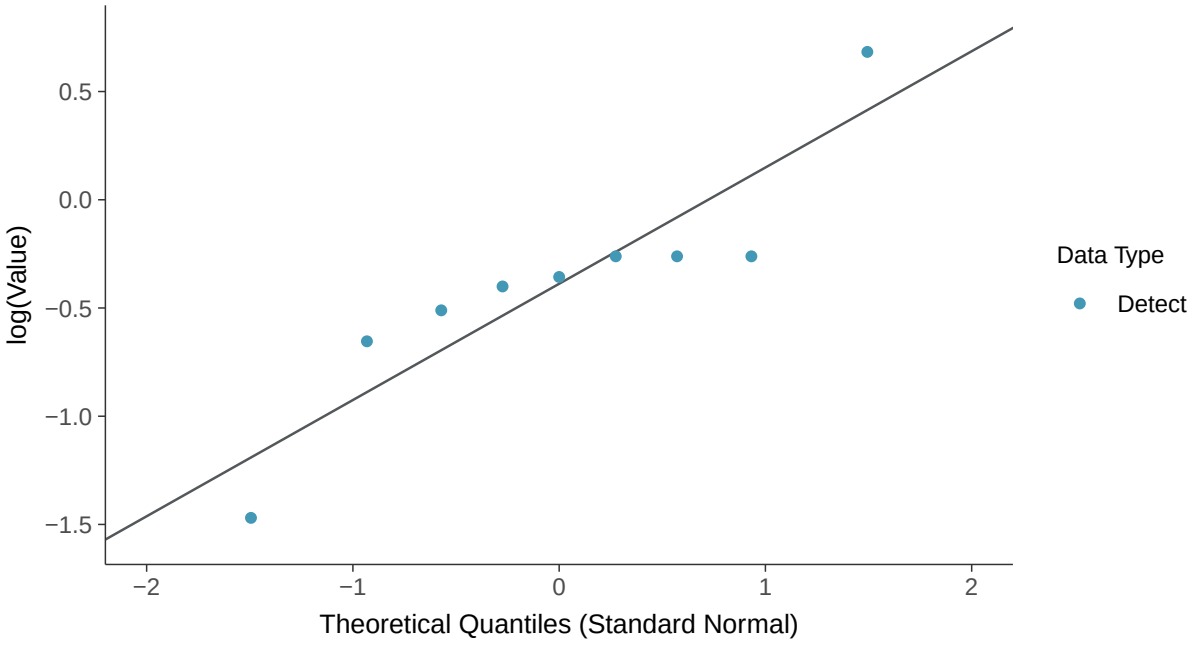
Boxplot by Season

Iron, MW-17D (mg/l)



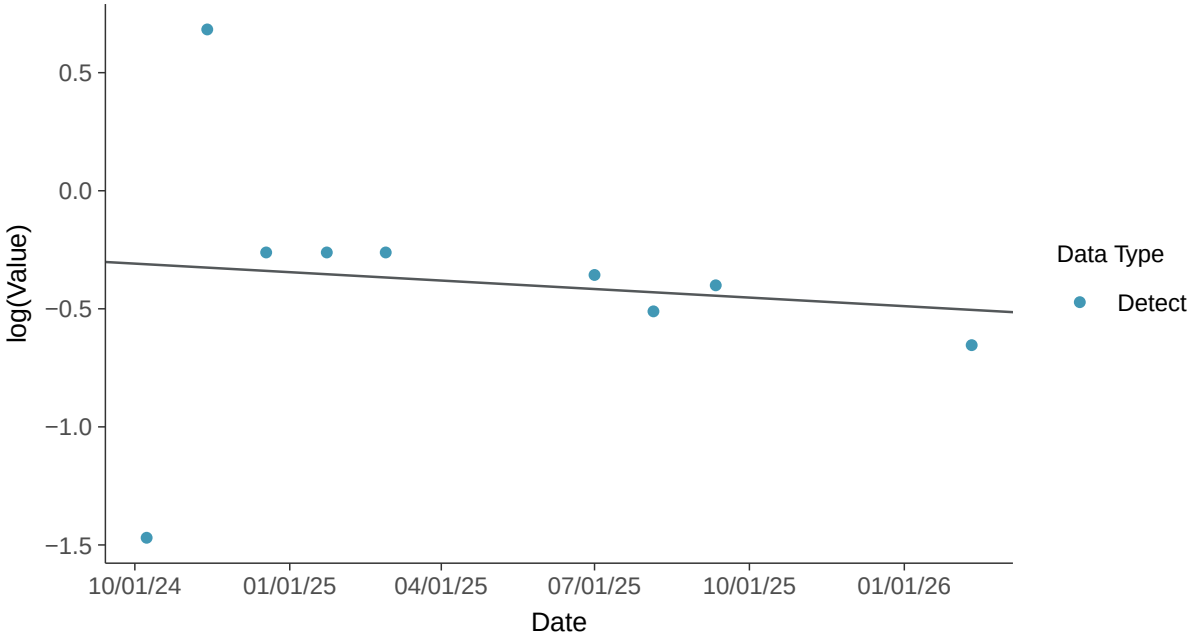
Lognormal Q-Q plot

Iron, MW-17D (mg/l)



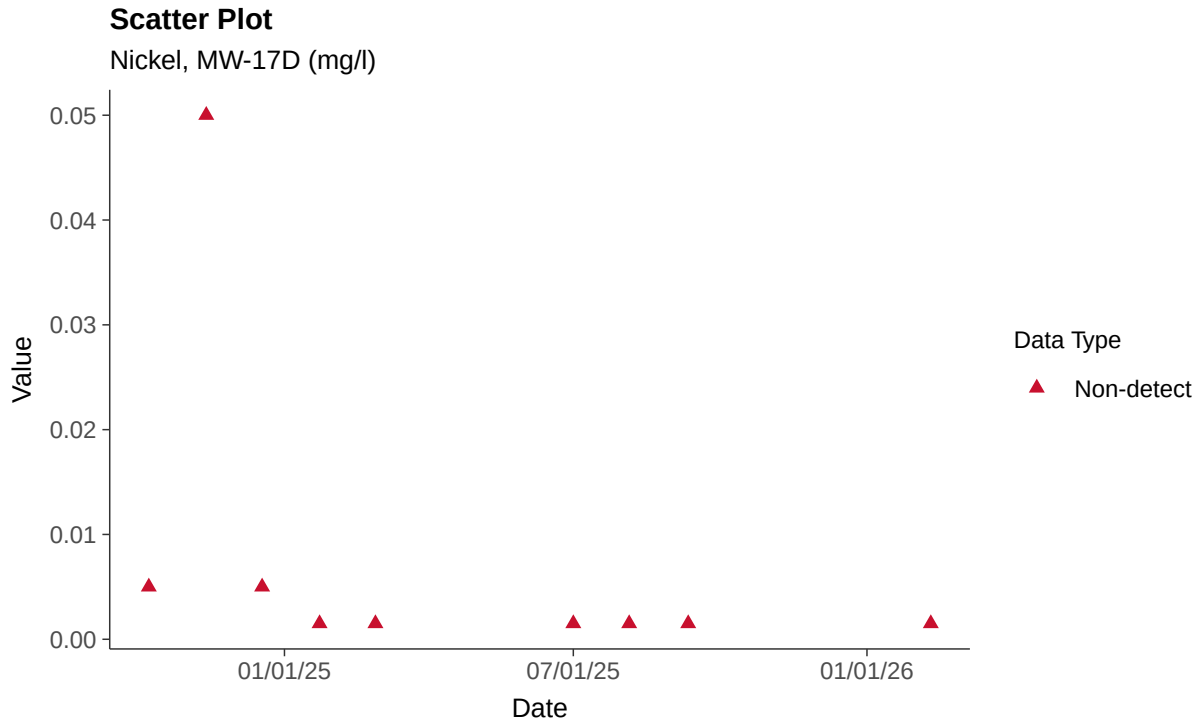
Trend Regression: Lognormal MLE

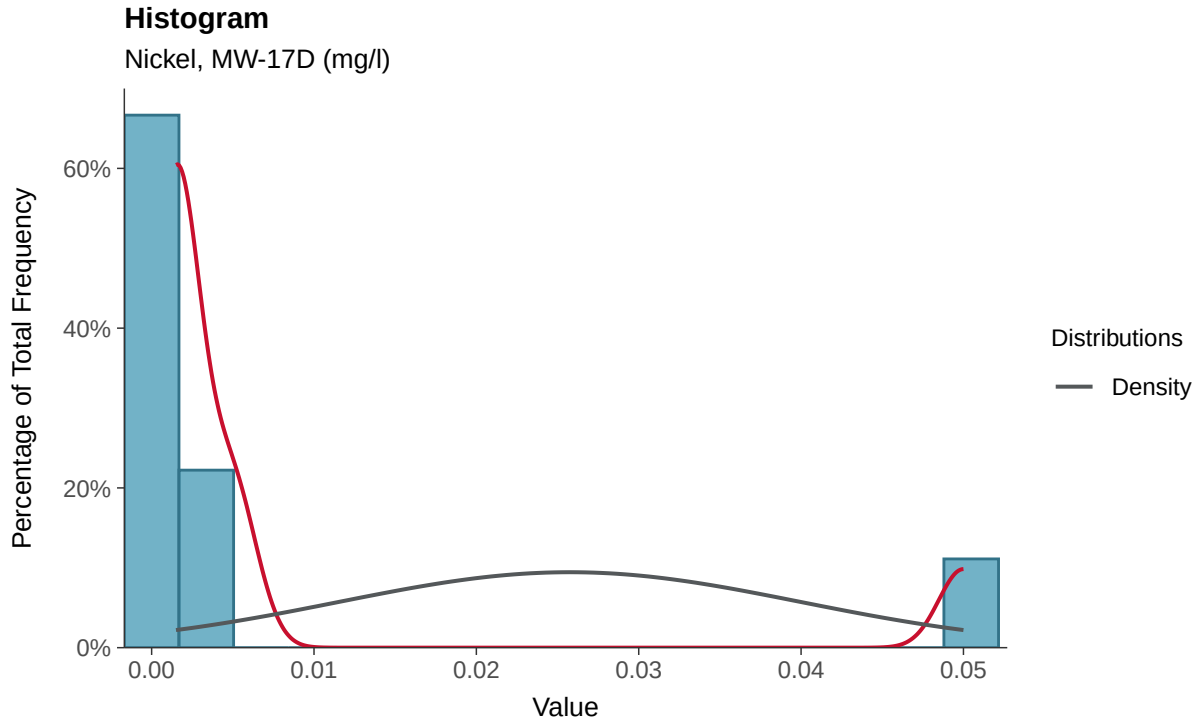
Iron, MW-17D (mg/l)



Part 115: Nickel, MW-17D

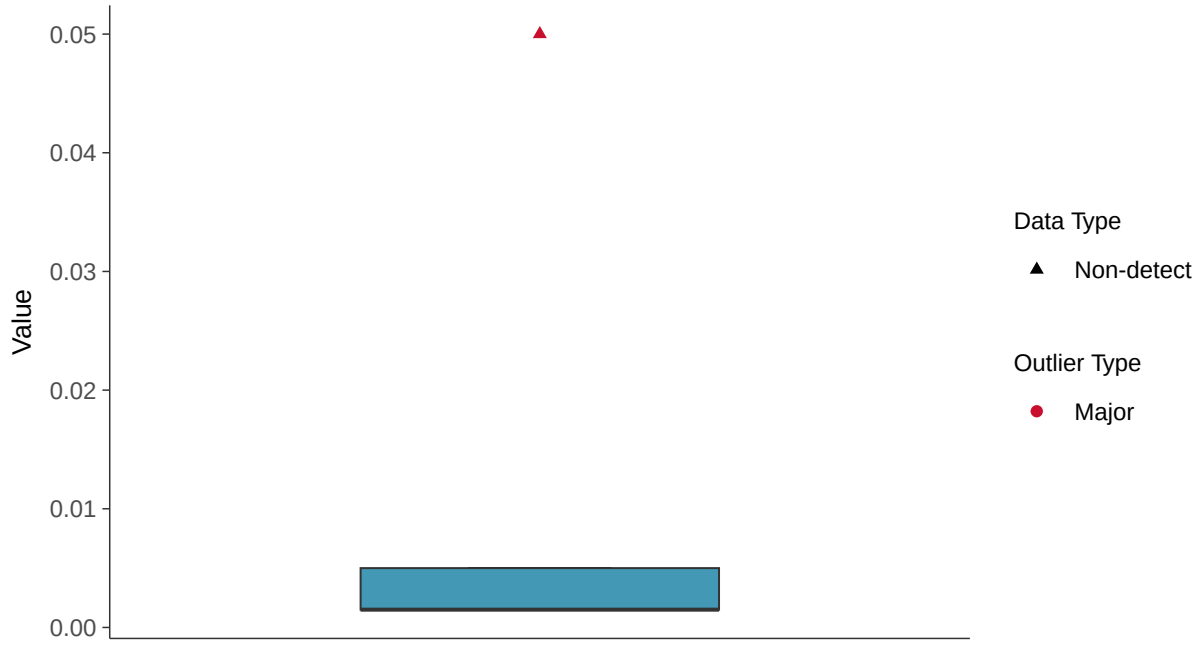
ID: 14_5_119





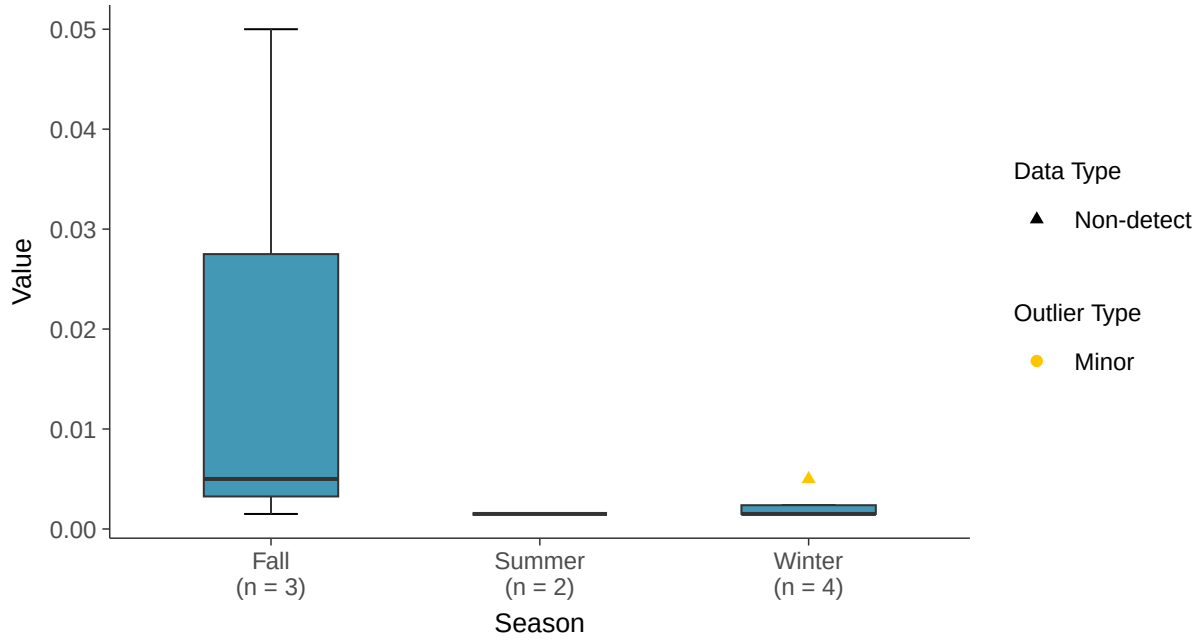
Boxplot

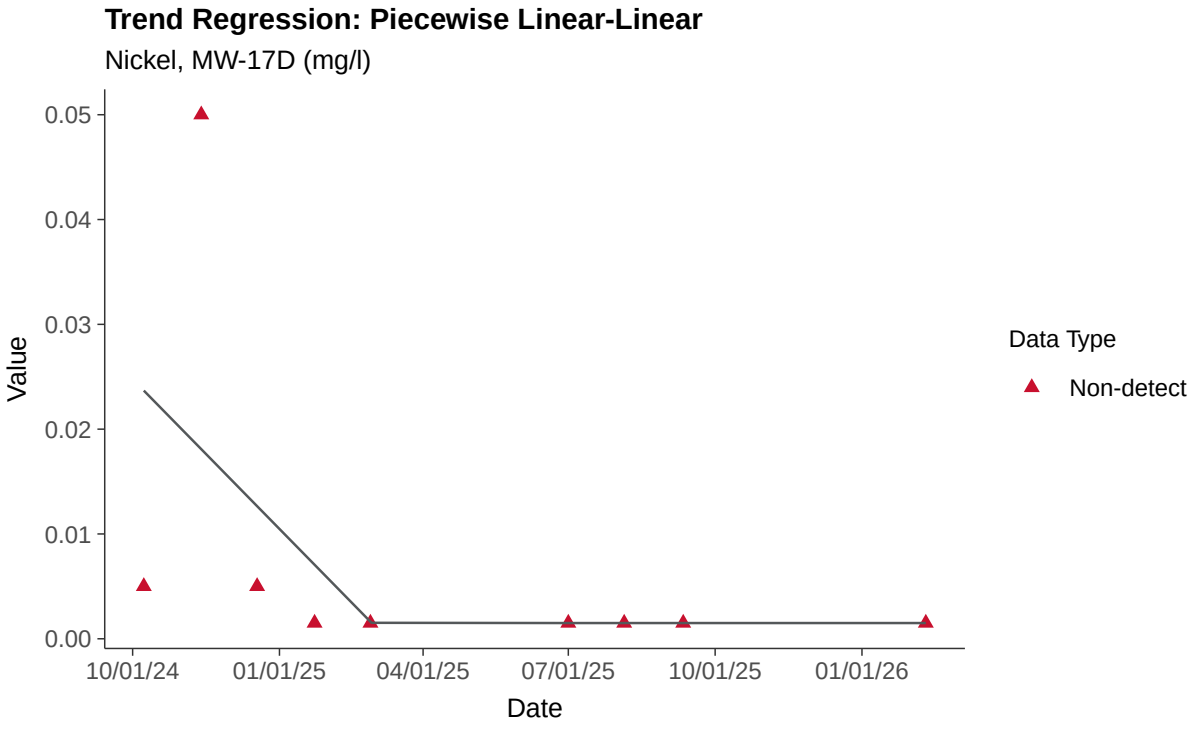
Nickel, MW-17D (mg/l)



Boxplot by Season

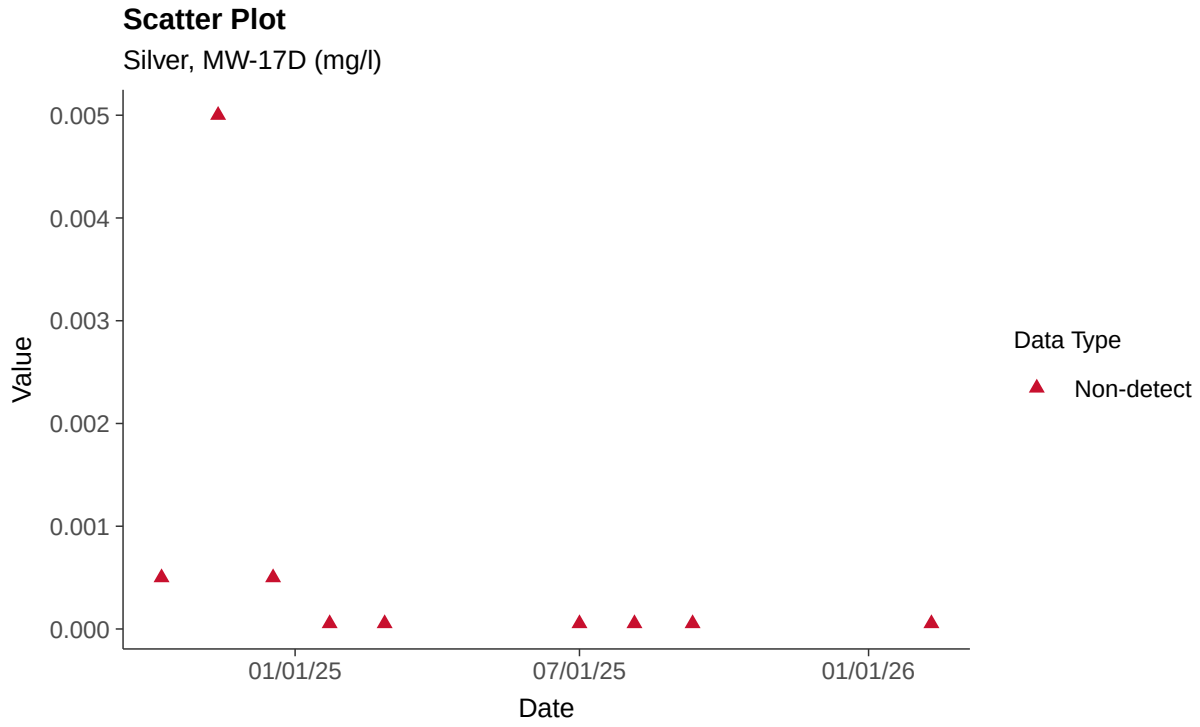
Nickel, MW-17D (mg/l)

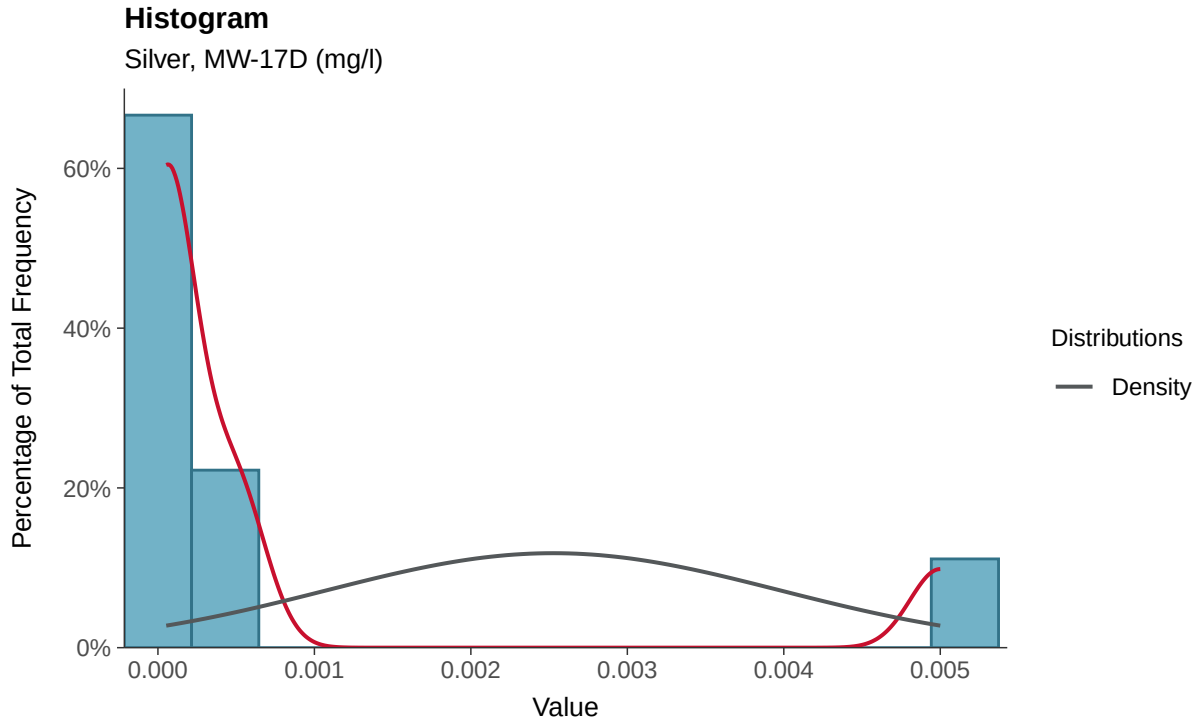



Trend Regression: Piecewise Linear-Linear
Nickel, MW-17D (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Silver, MW-17D

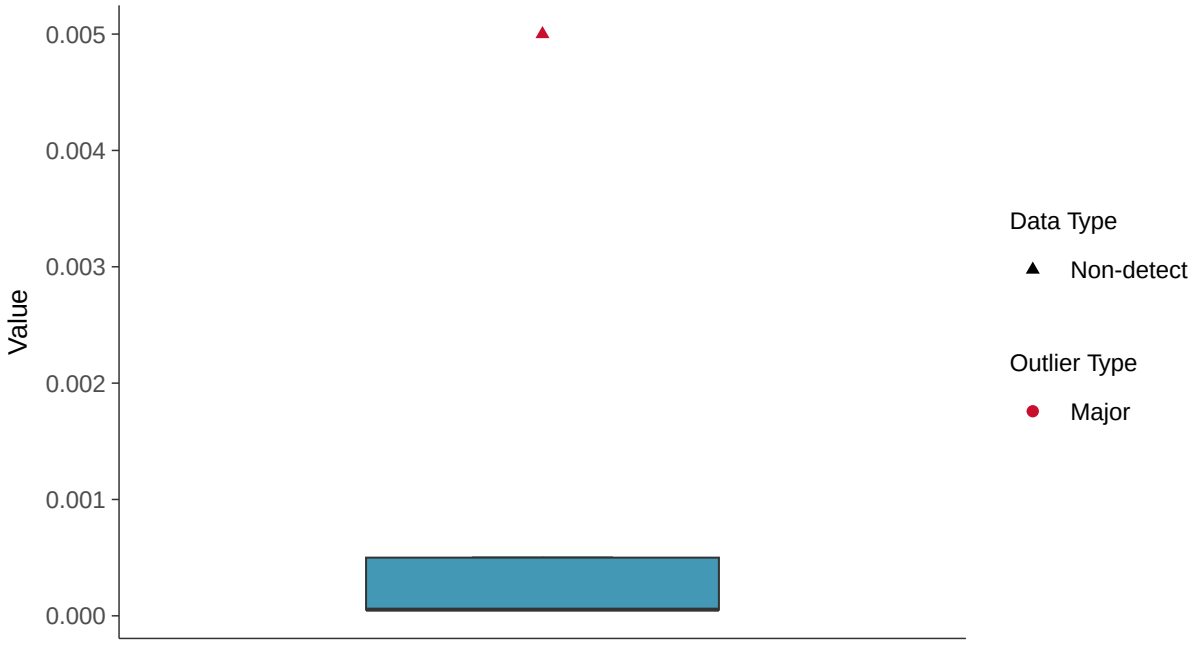
ID: 14_5_123





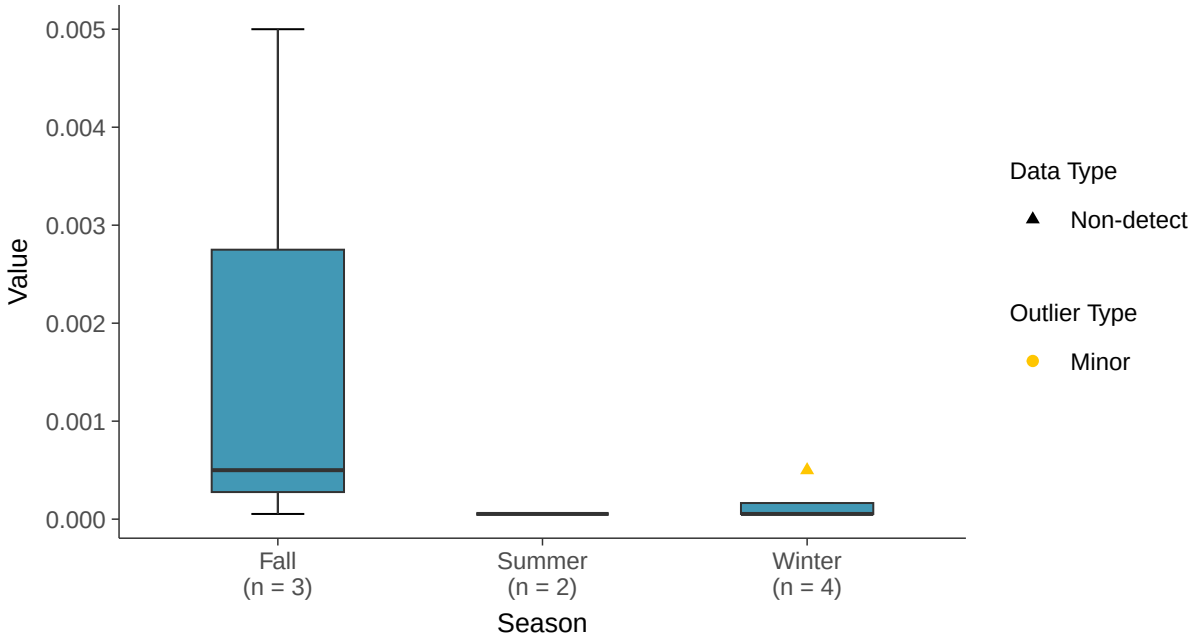
Boxplot

Silver, MW-17D (mg/l)



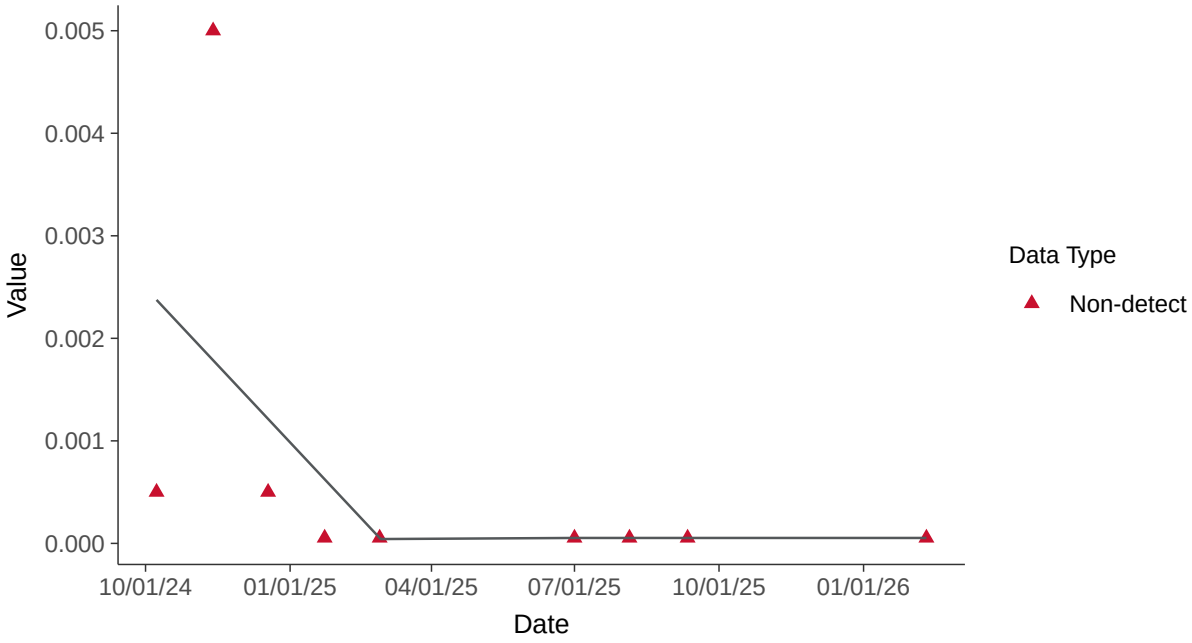
Boxplot by Season

Silver, MW-17D (mg/l)



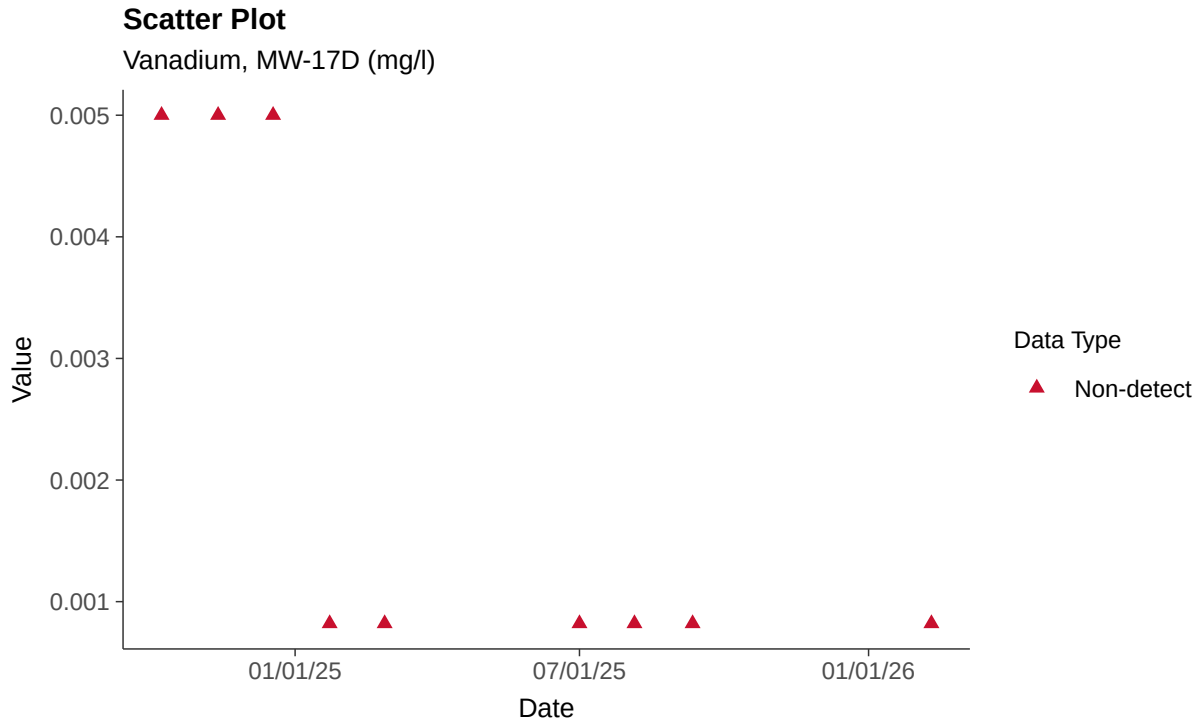
Trend Regression: Piecewise Linear-Linear

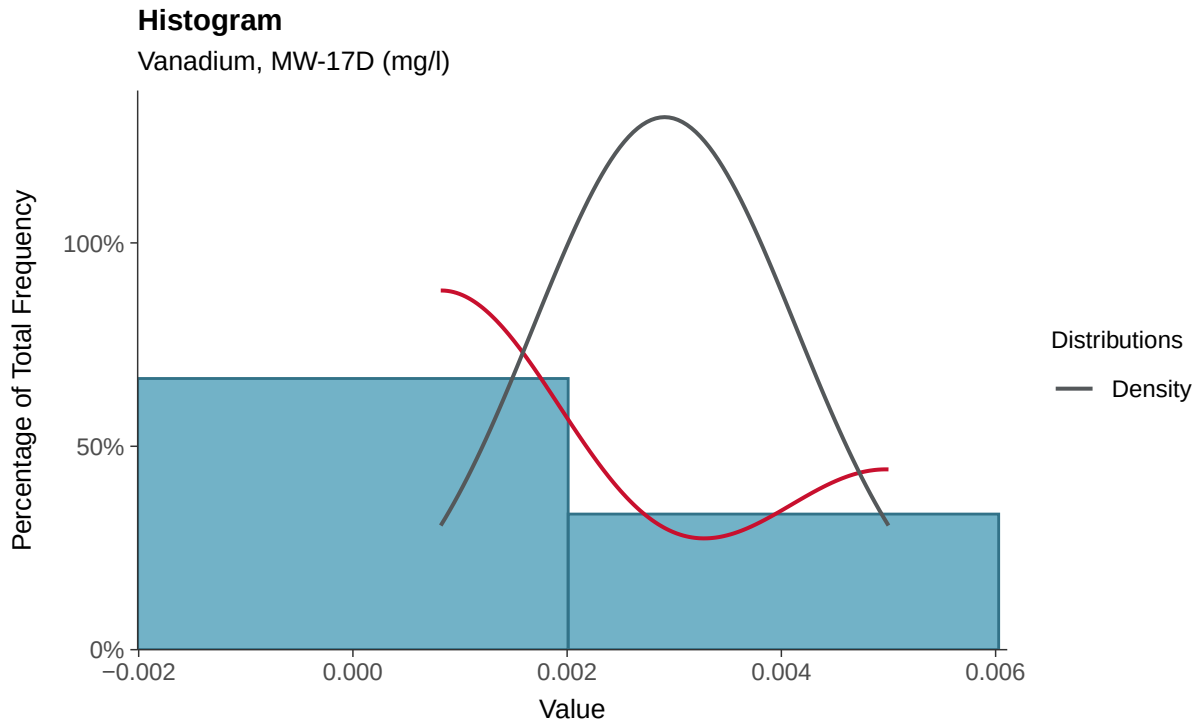
Silver, MW-17D (mg/l)



Part 115: Vanadium, MW-17D

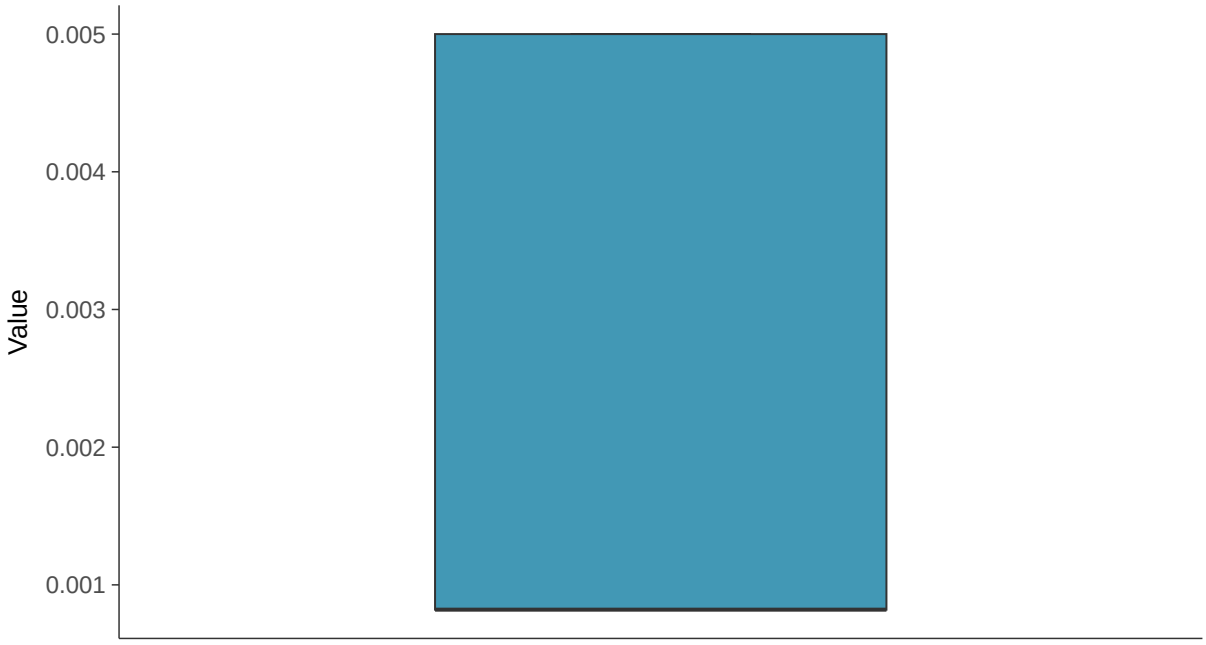
ID: 14_5_128





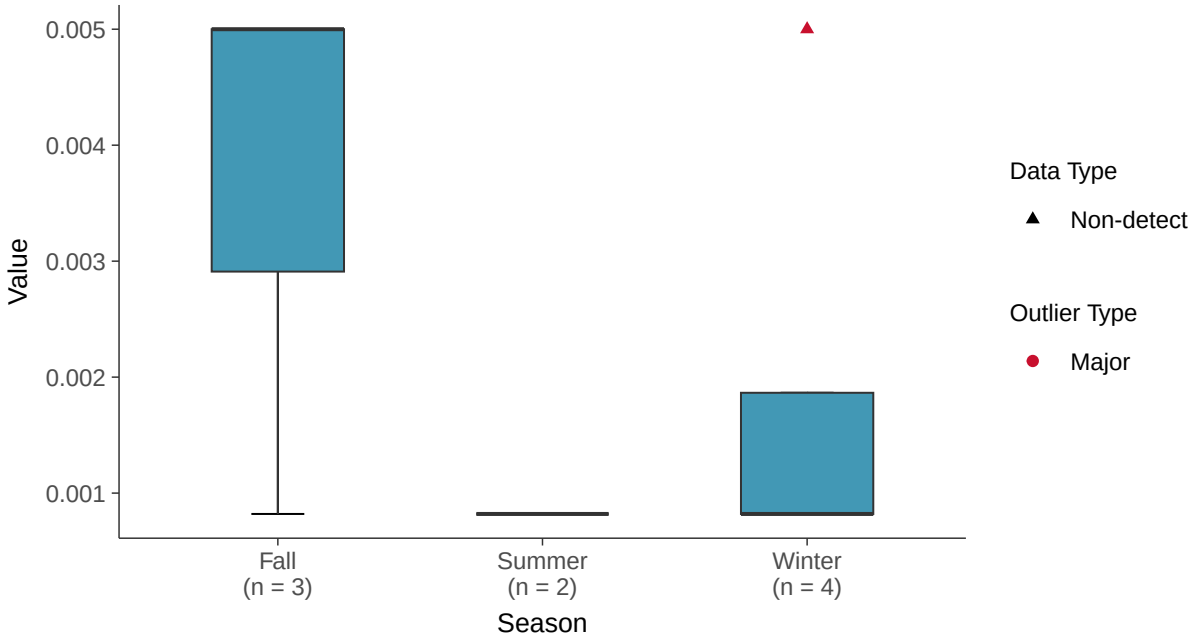
Boxplot

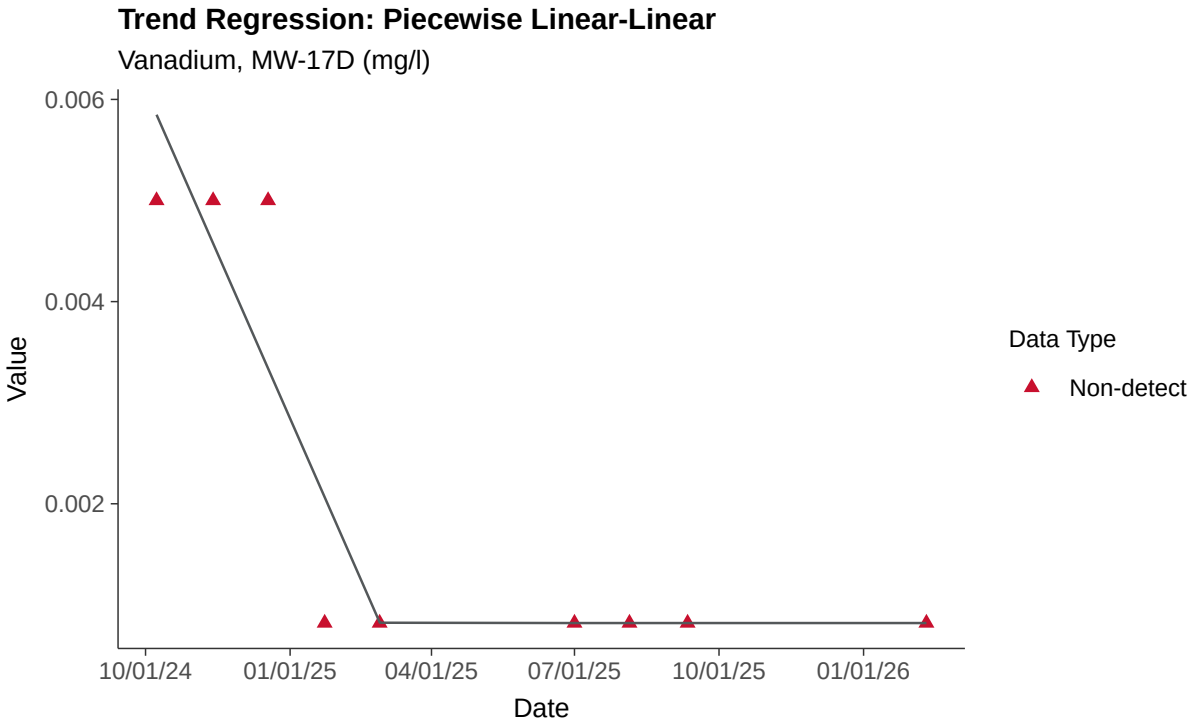
Vanadium, MW-17D (mg/l)



Boxplot by Season

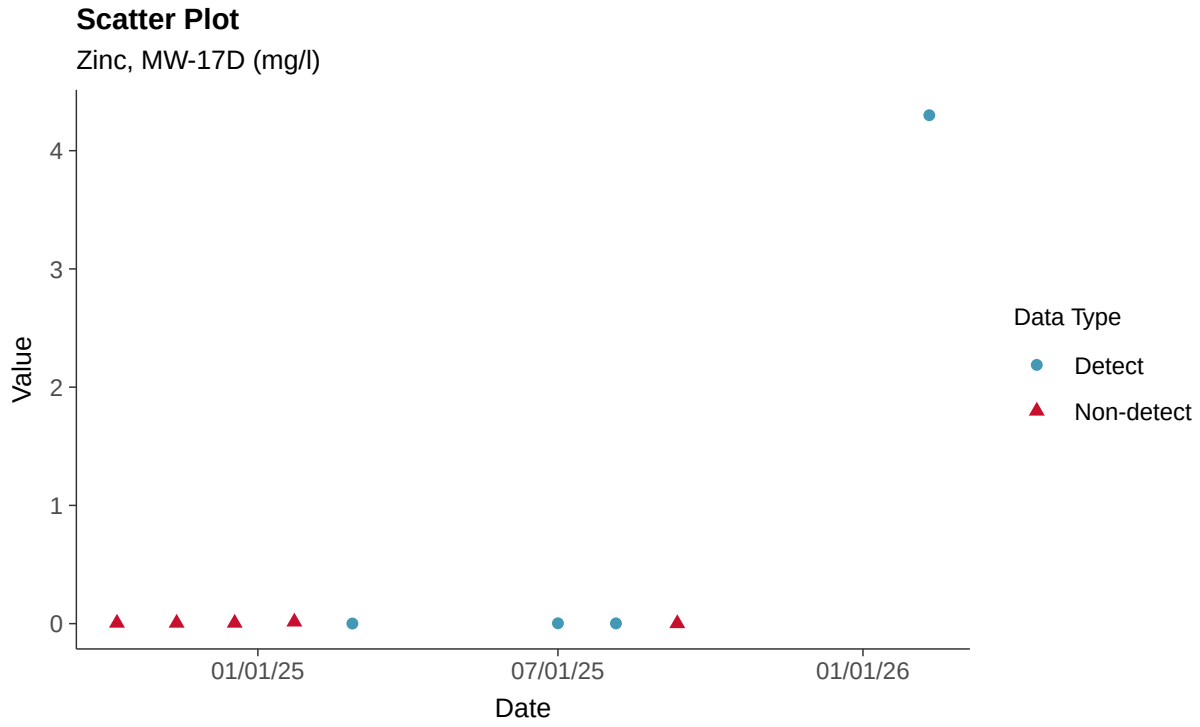
Vanadium, MW-17D (mg/l)

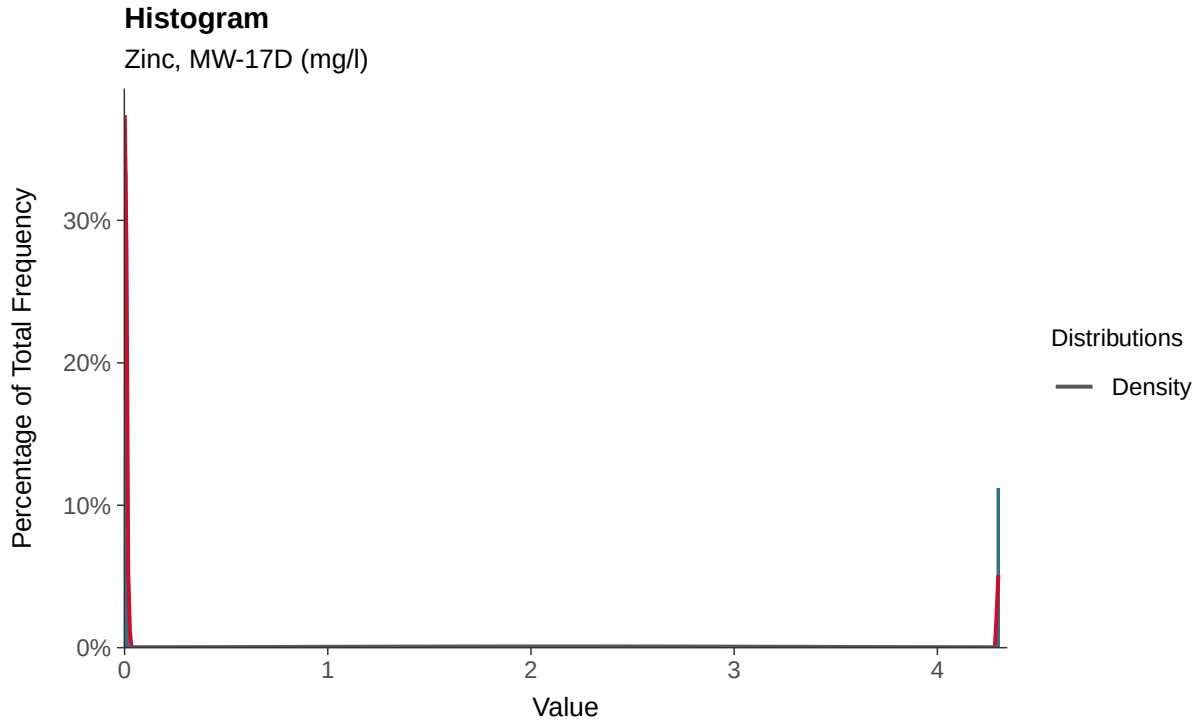



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-17D (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-17D

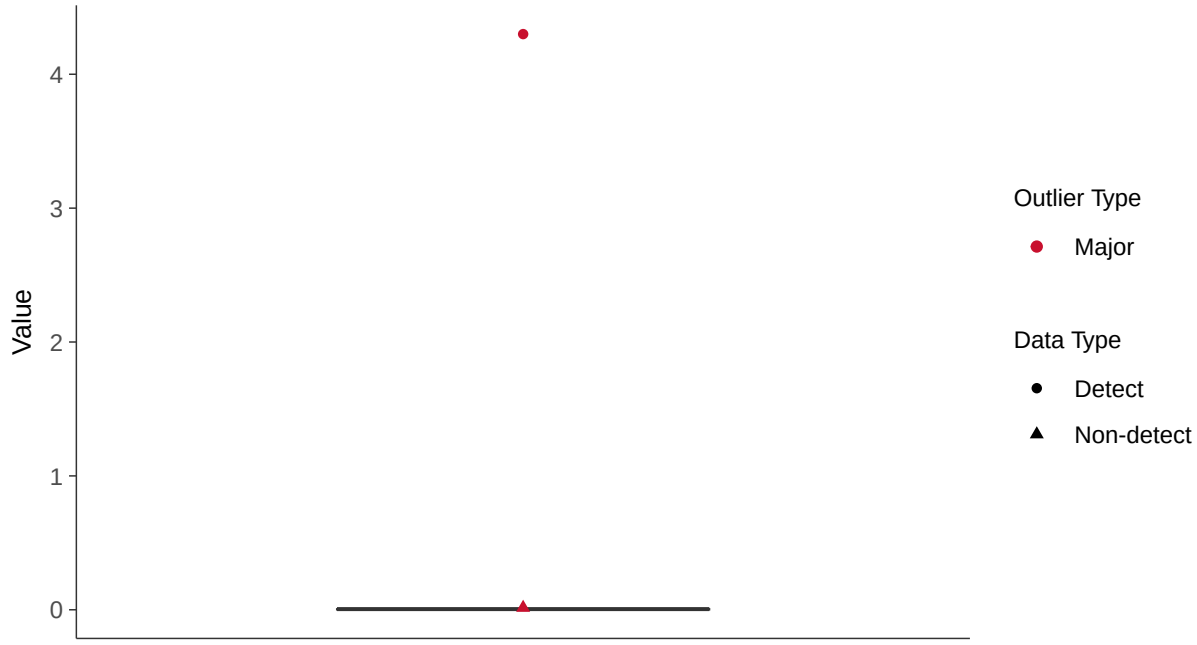
ID: 14_5_129





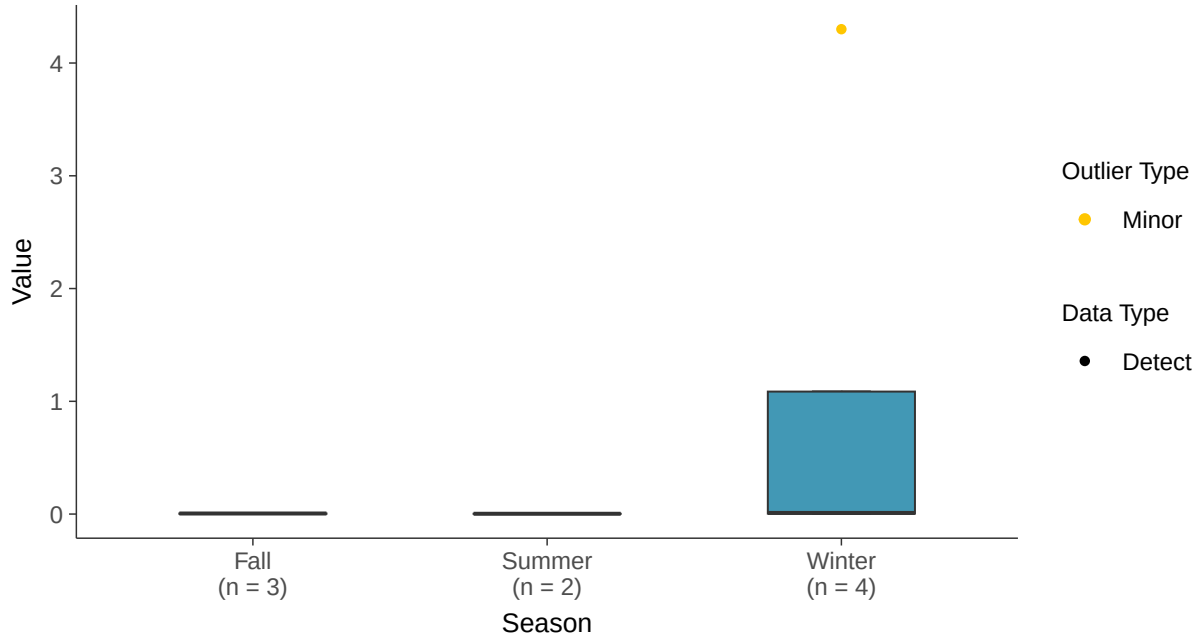
Boxplot

Zinc, MW-17D (mg/l)



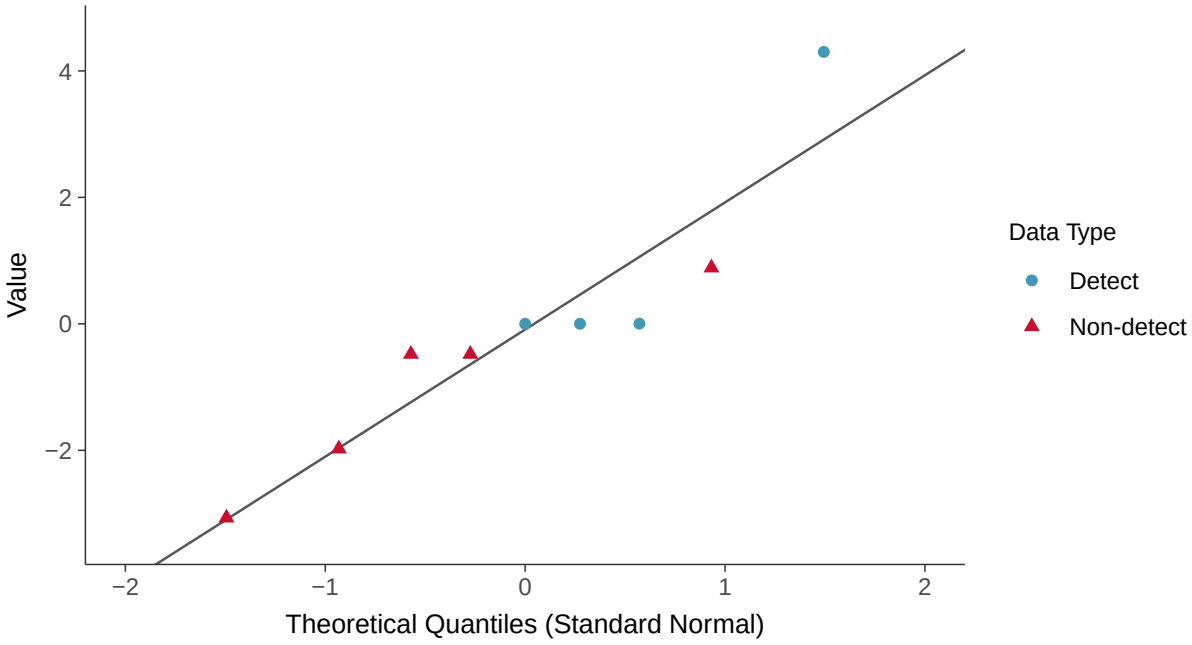
Boxplot by Season

Zinc, MW-17D (mg/l)



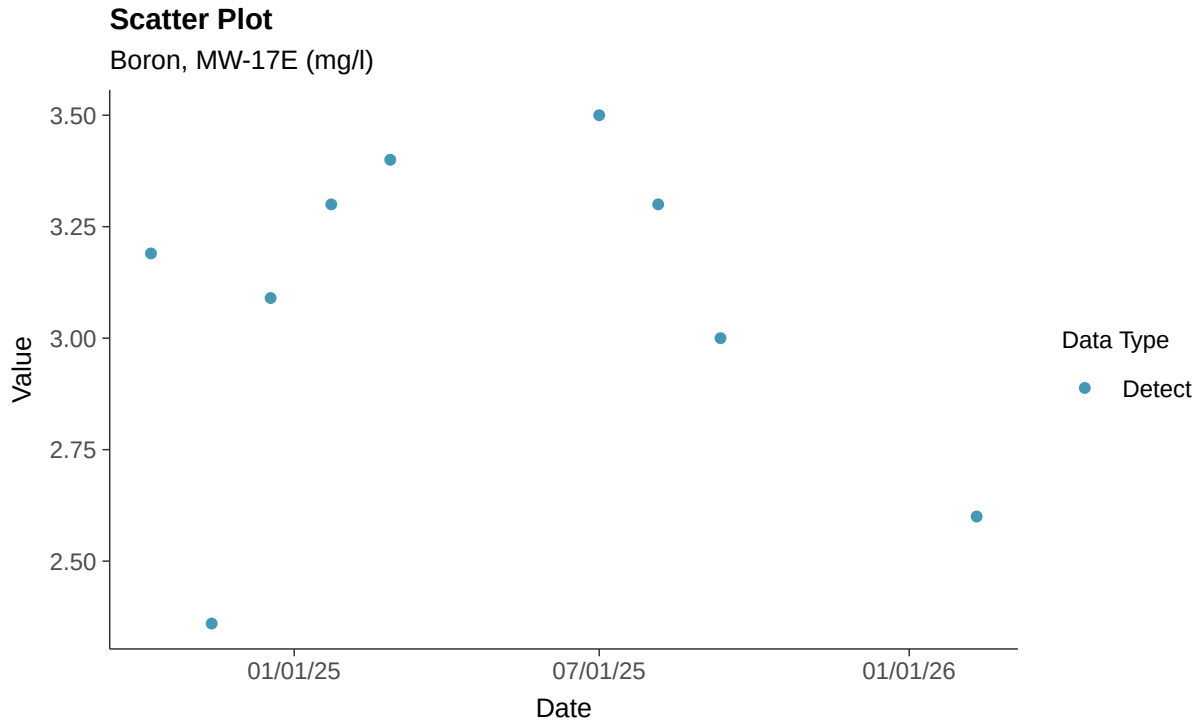
Normal Q-Q plot using ROS Imputed Estimates

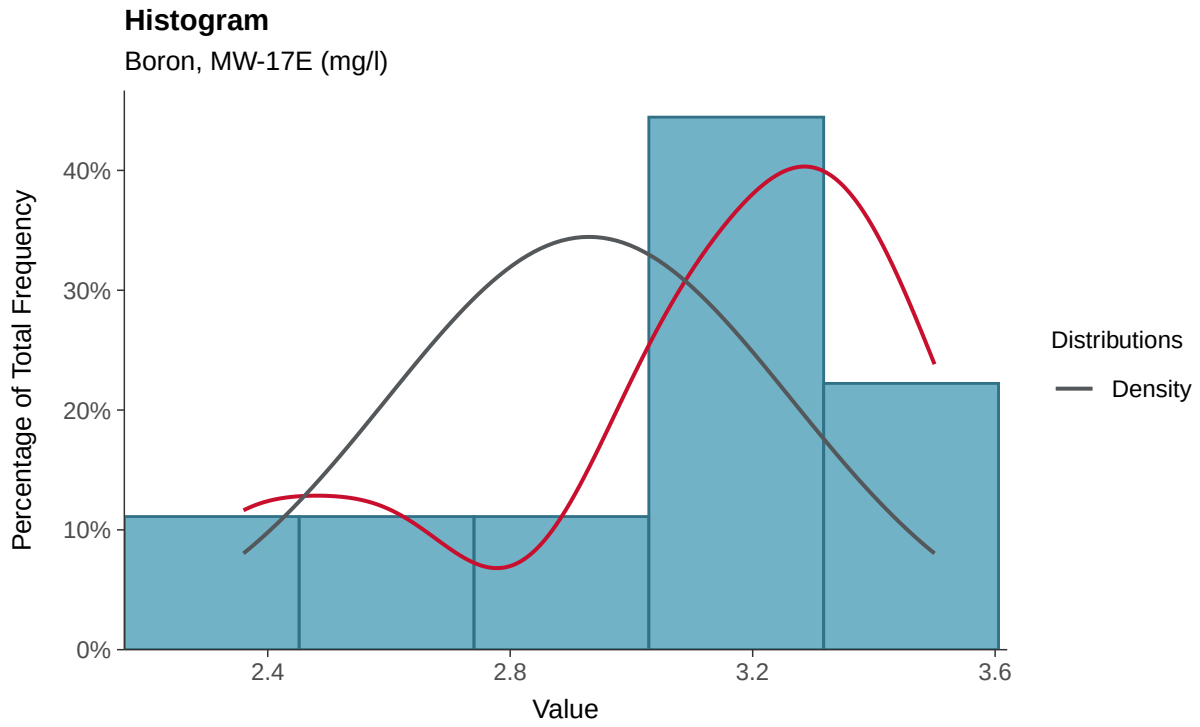
Zinc, MW-17D (mg/l)



Appendix III: Boron, MW-17E

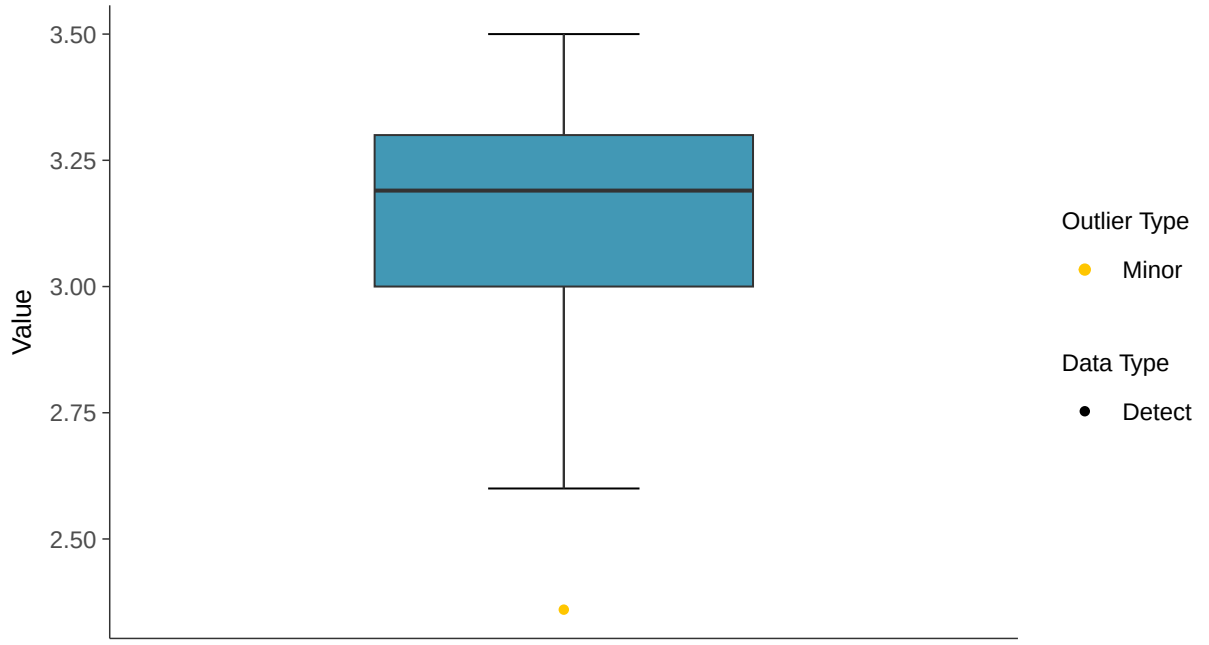
ID: 15_2_105





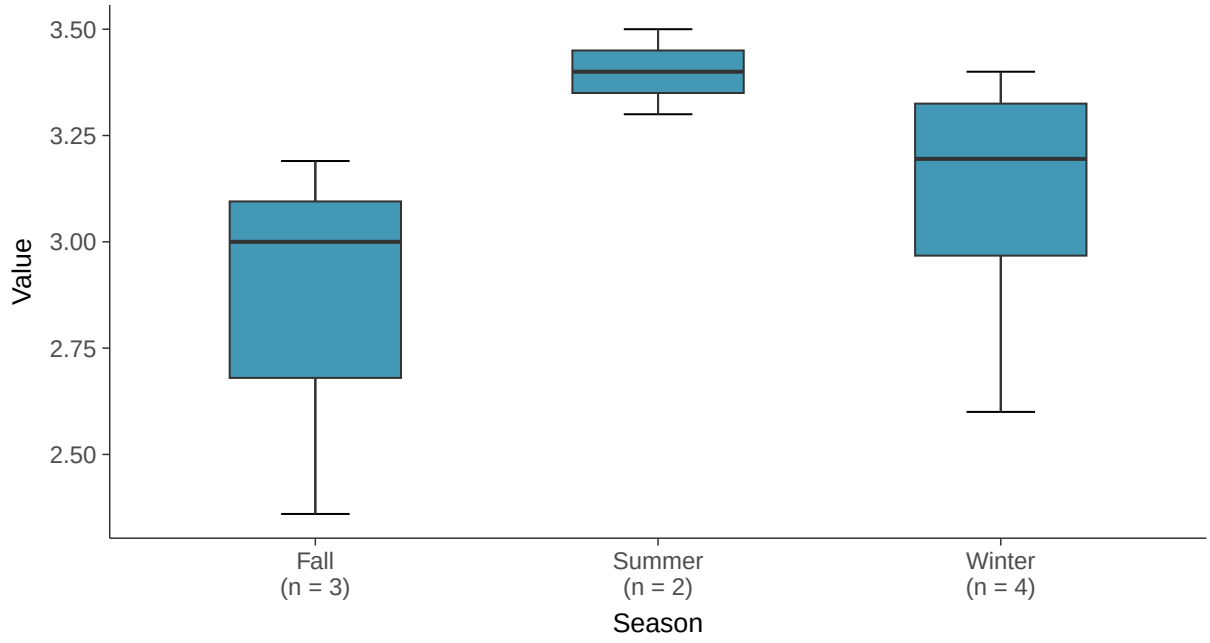
Boxplot

Boron, MW-17E (mg/l)



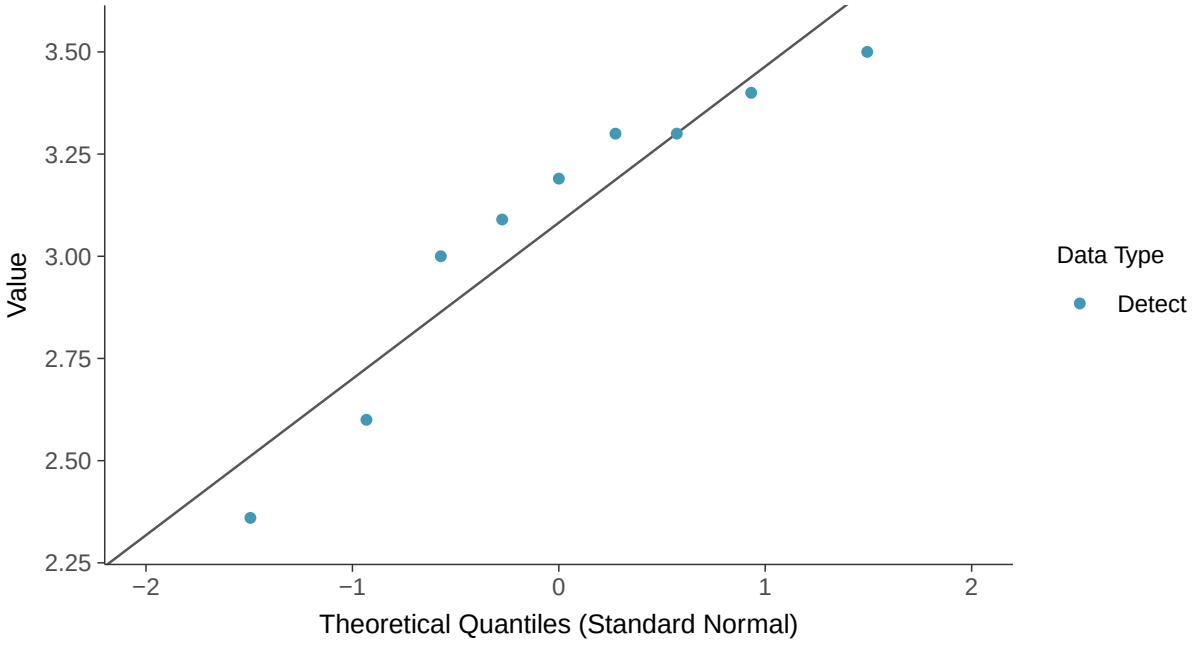
Boxplot by Season

Boron, MW-17E (mg/l)



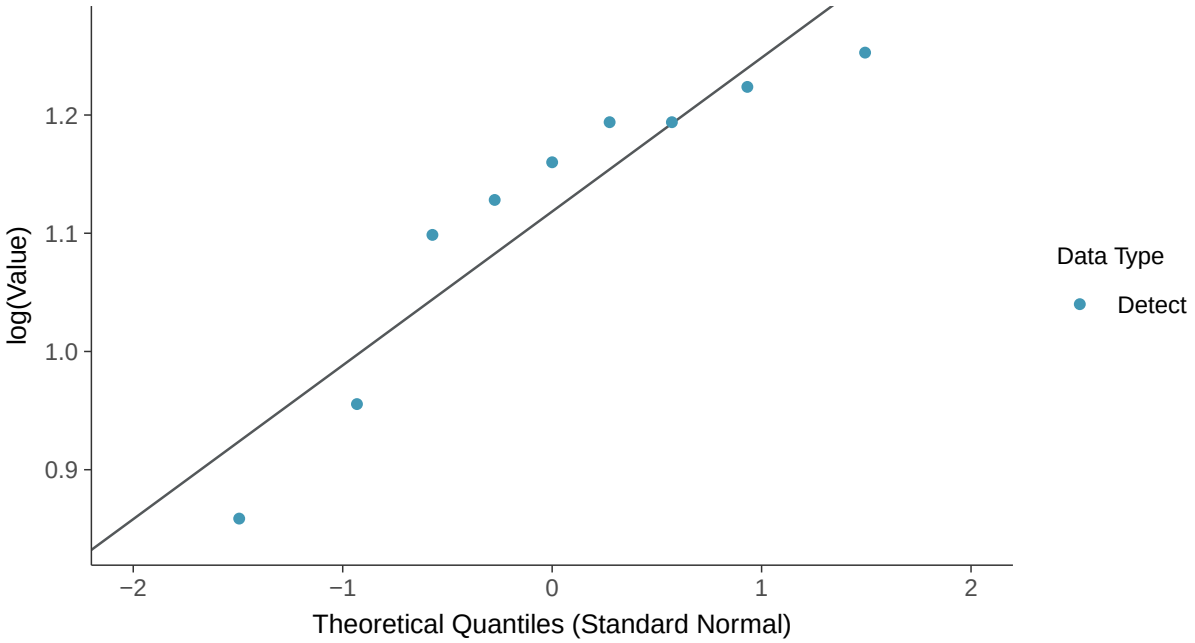
Normal Q-Q plot

Boron, MW-17E (mg/l)



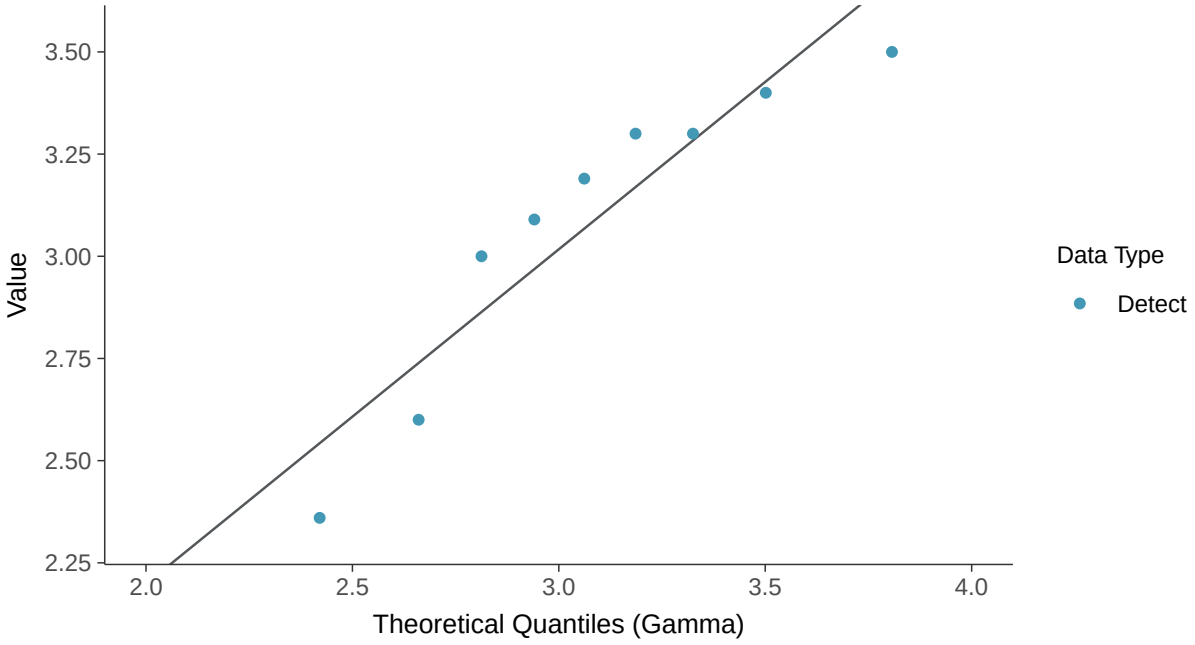
Lognormal Q-Q plot

Boron, MW-17E (mg/l)



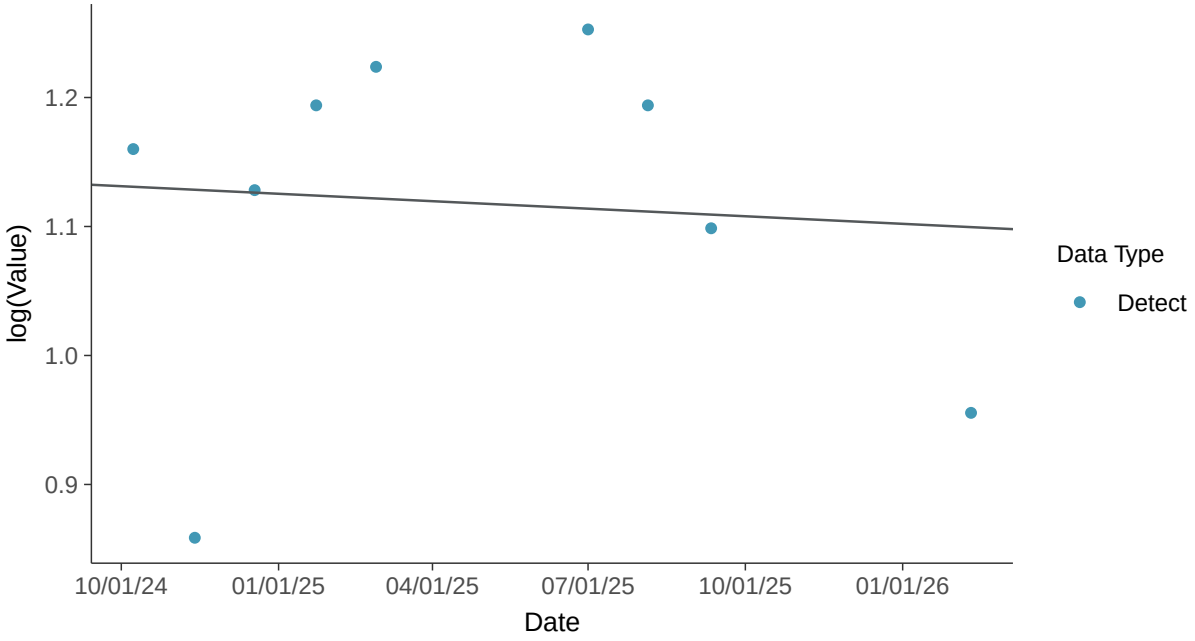
Gamma Q-Q plot

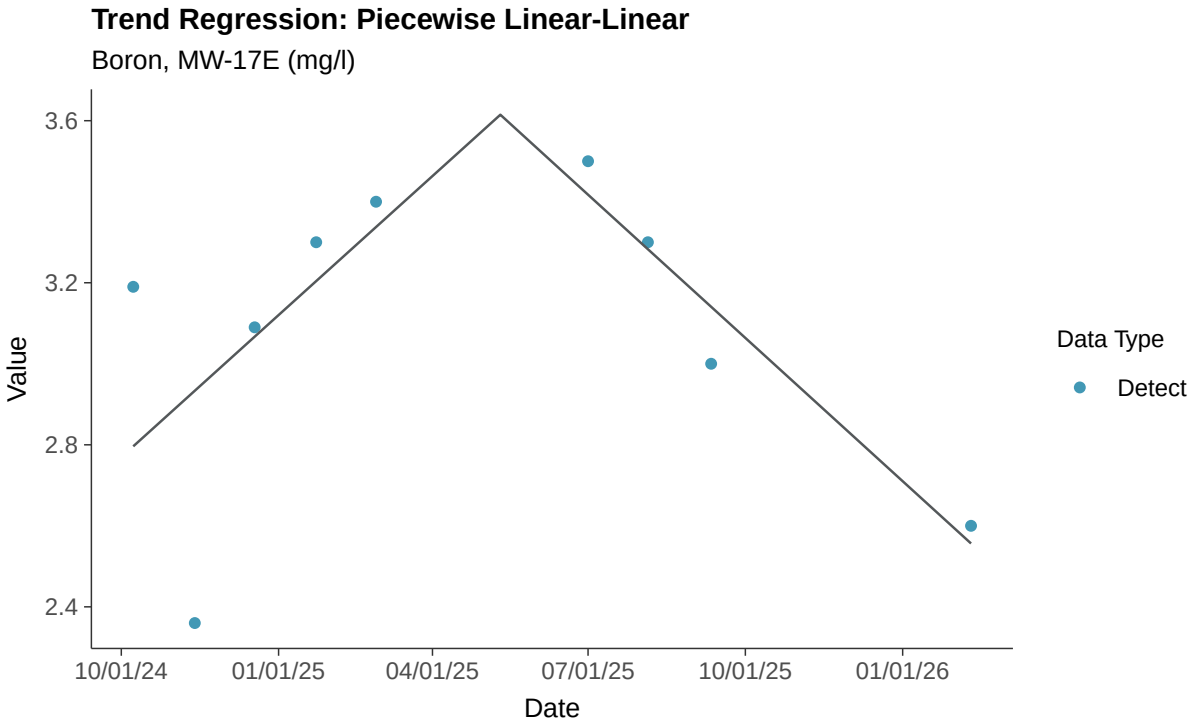
Boron, MW-17E (mg/l)



Trend Regression: Lognormal MLE

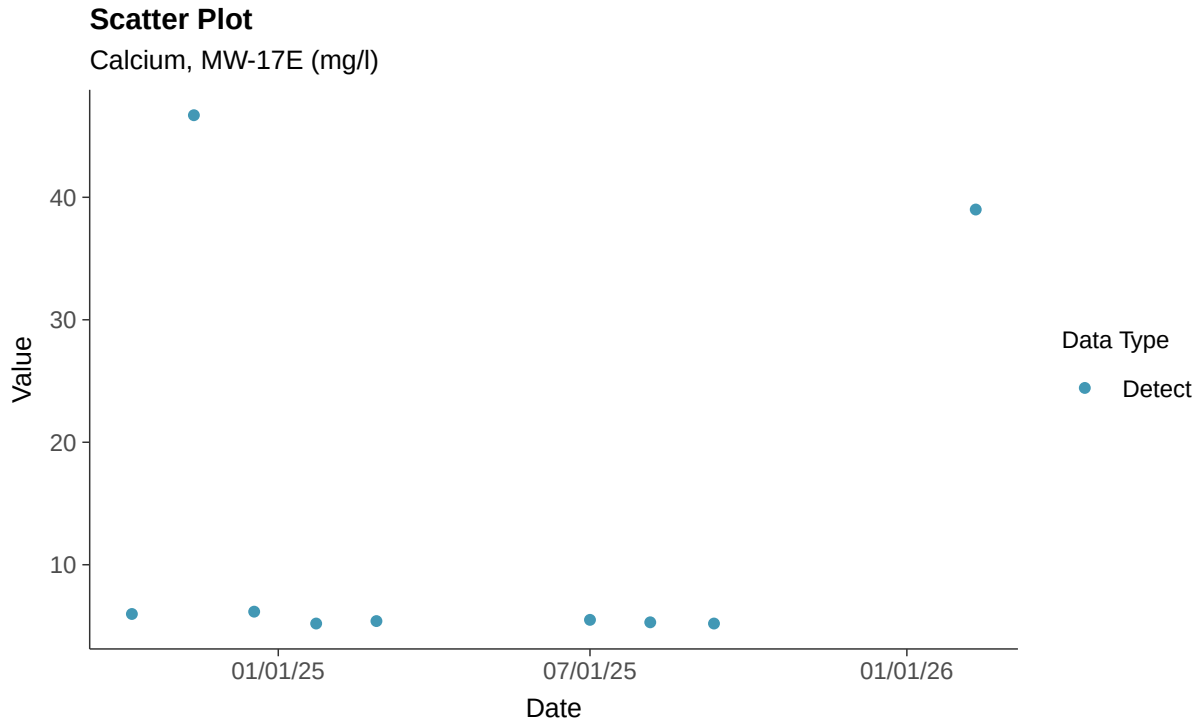
Boron, MW-17E (mg/l)

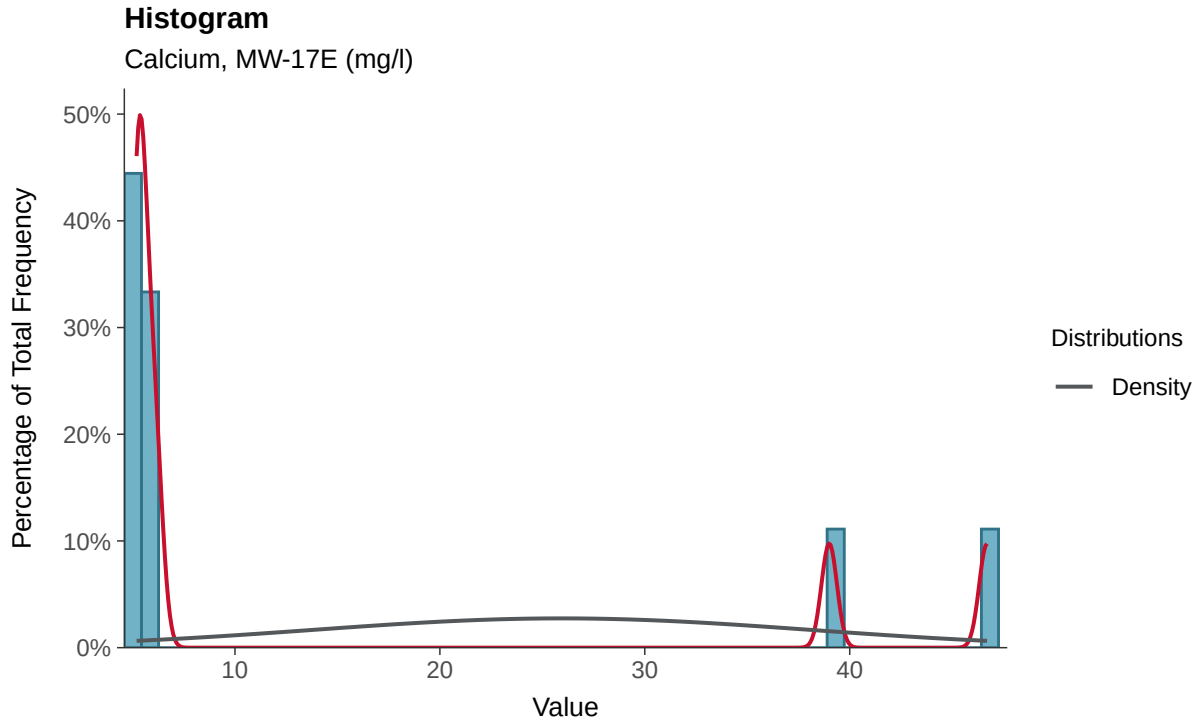



Trend Regression: Piecewise Linear-Linear
Boron, MW-17E (mg/l)
3.6
3.2
2.8
2.4
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Calcium, MW-17E

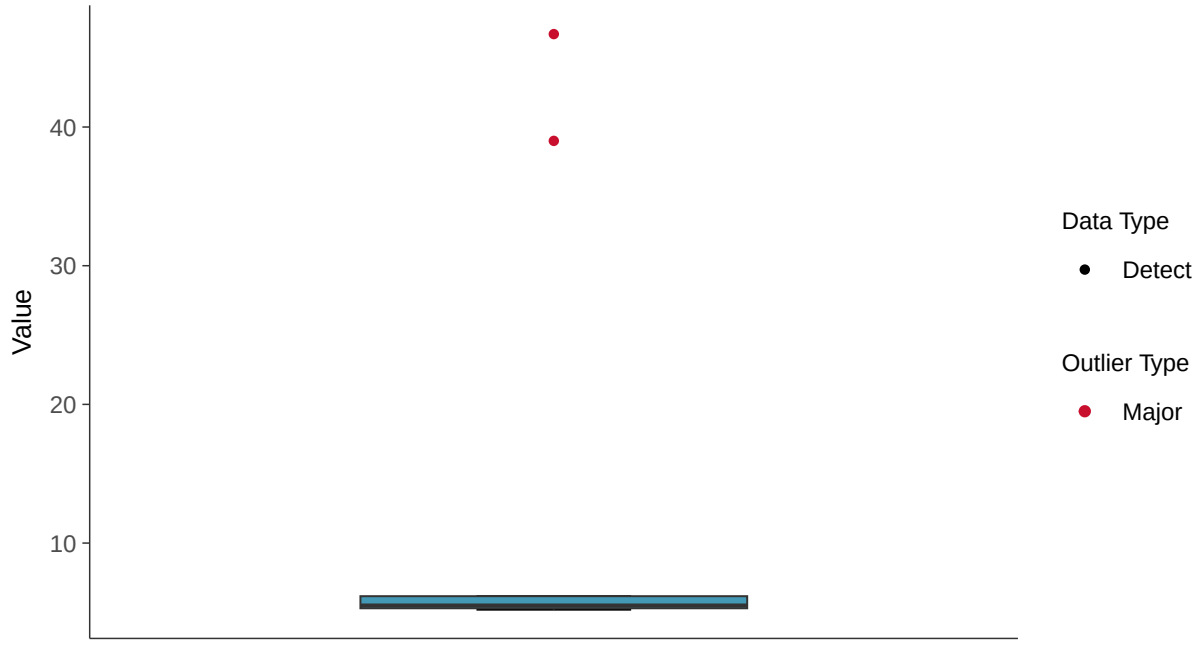
ID: 15_2_107





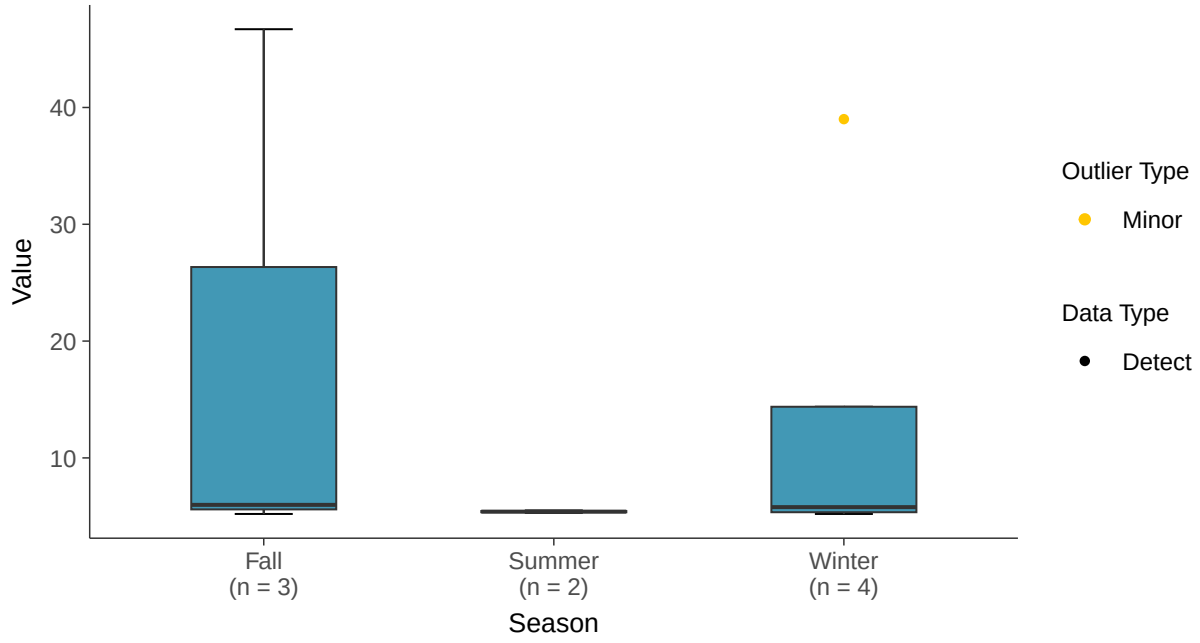
Boxplot

Calcium, MW-17E (mg/l)



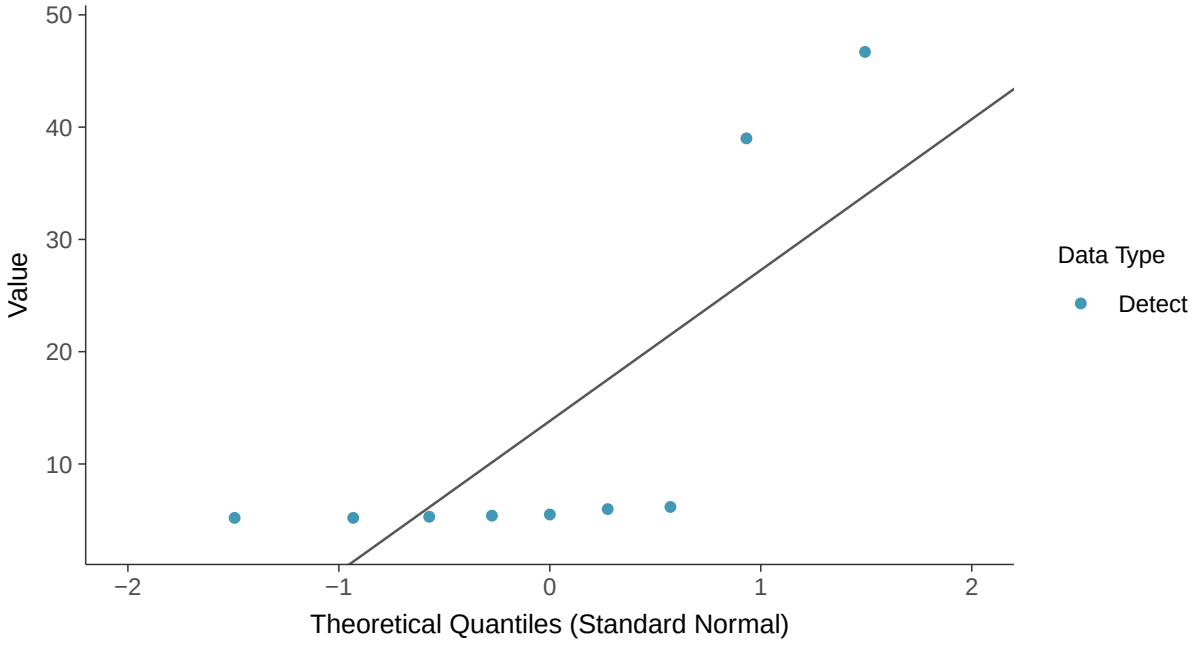
Boxplot by Season

Calcium, MW-17E (mg/l)



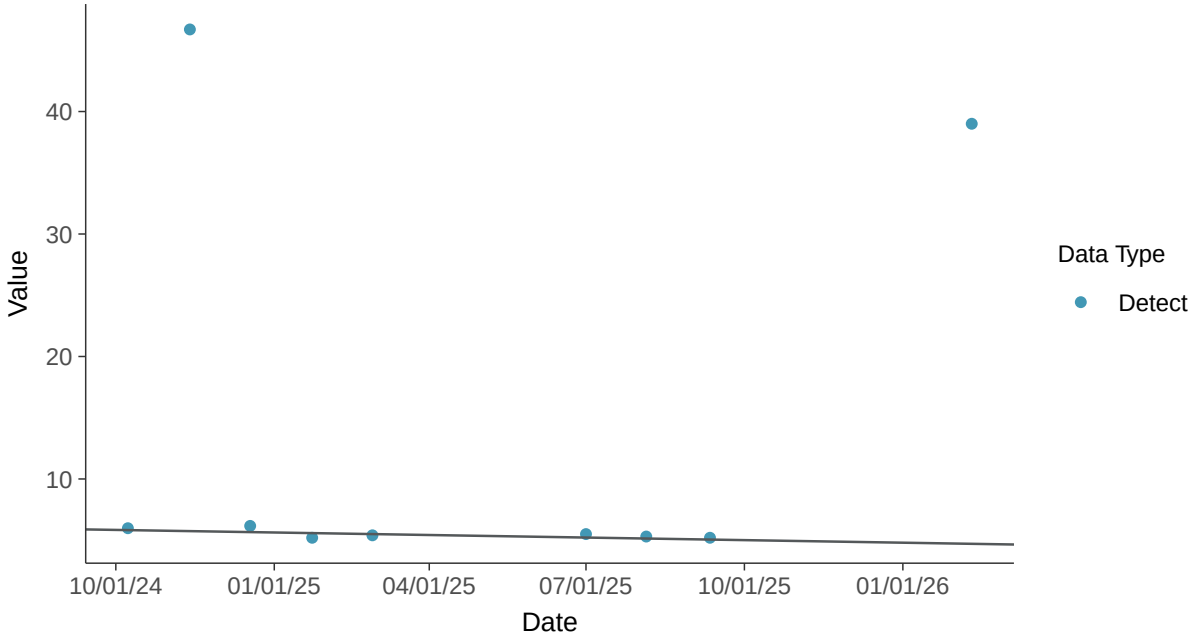
Normal Q-Q plot

Calcium, MW-17E (mg/l)



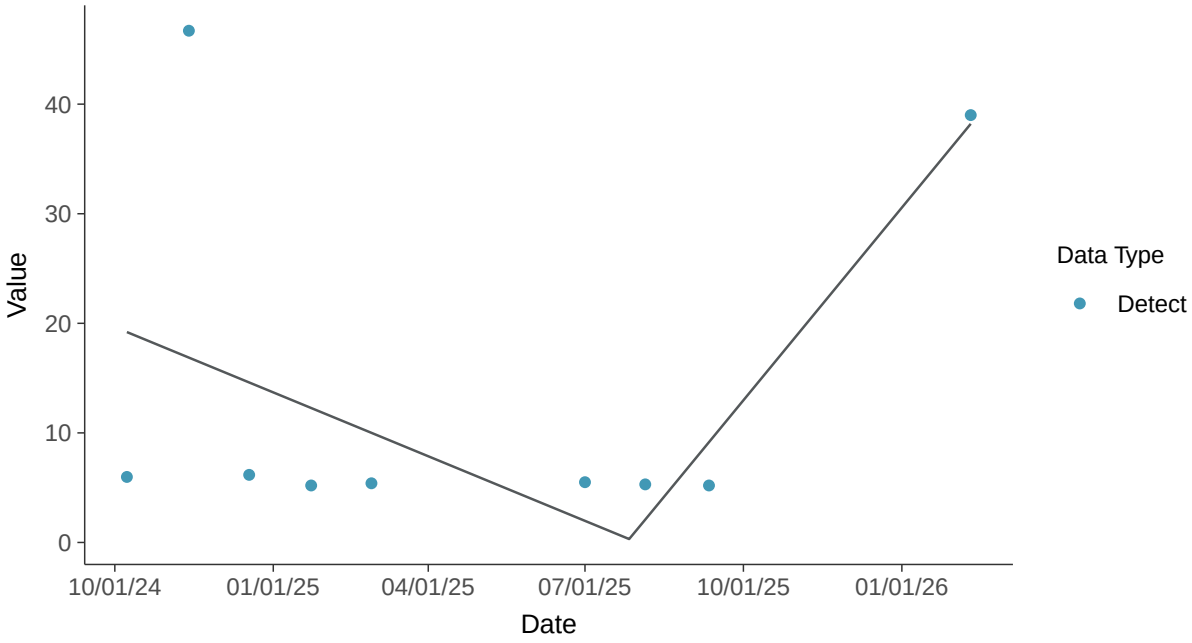
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Calcium, MW-17E (mg/l)



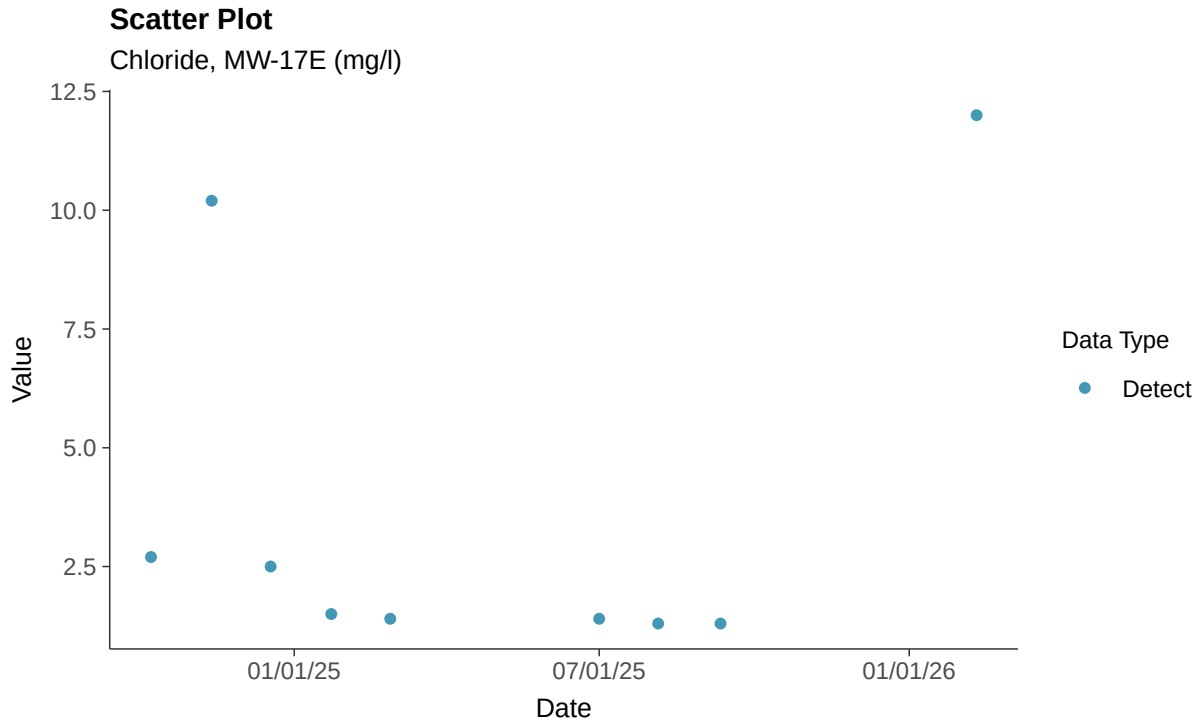
Trend Regression: Piecewise Linear-Linear

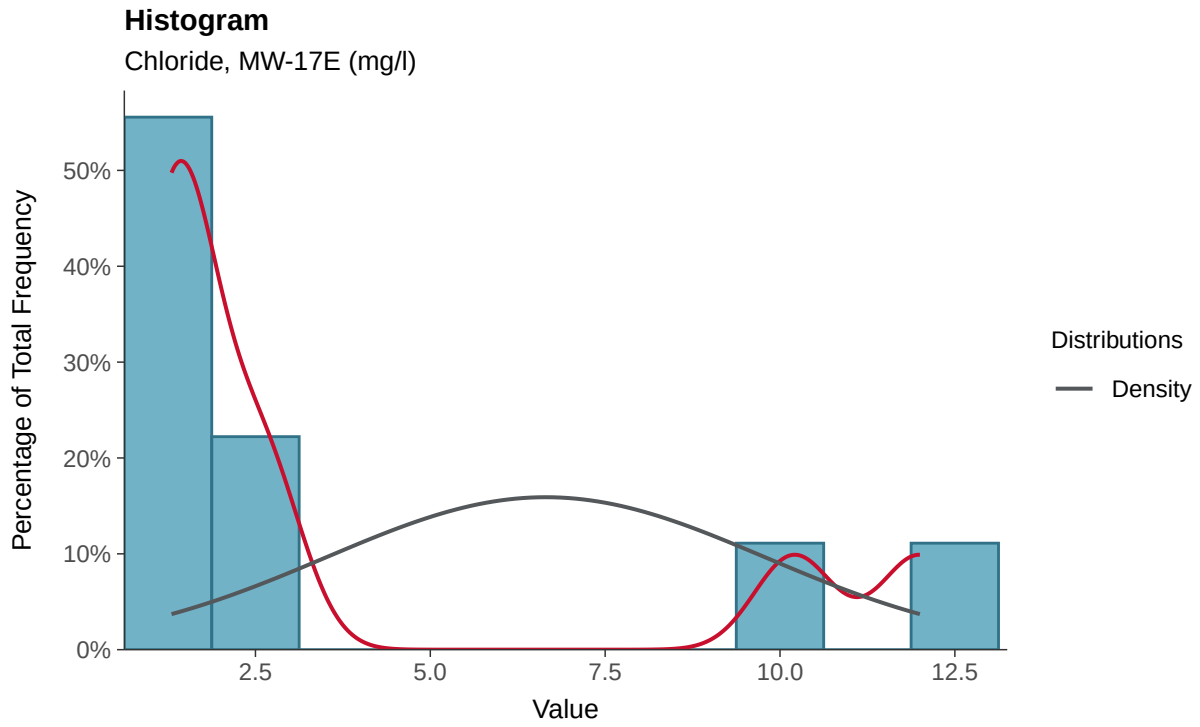
Calcium, MW-17E (mg/l)



Appendix III: Chloride, MW-17E

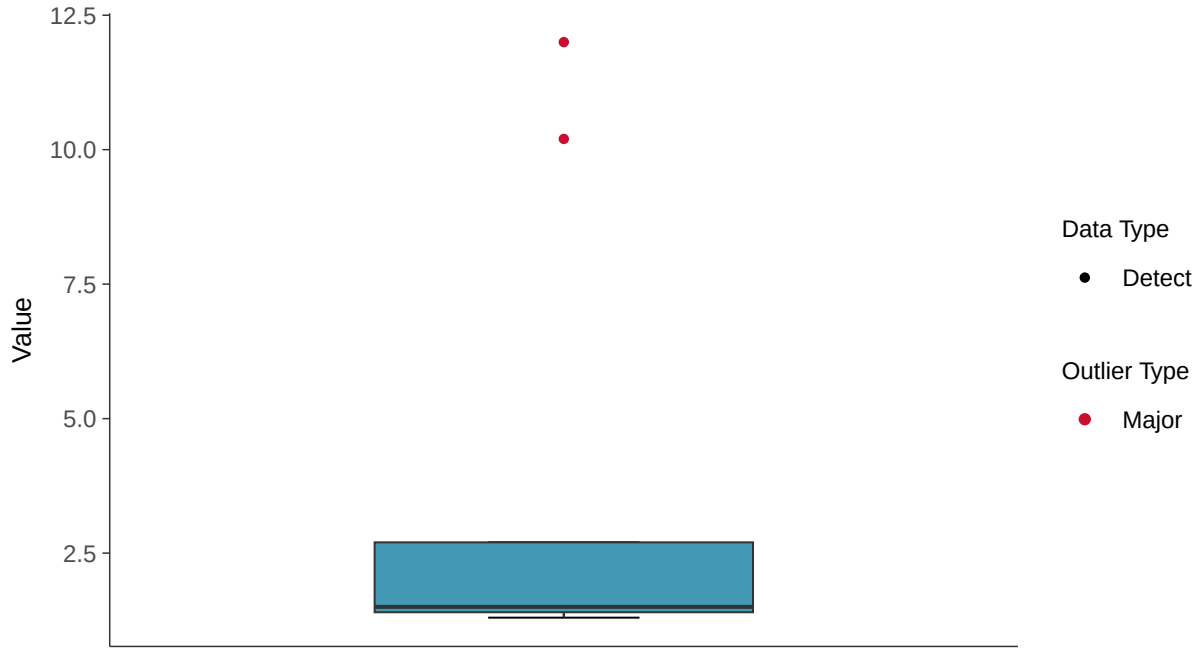
ID: 15_2_108





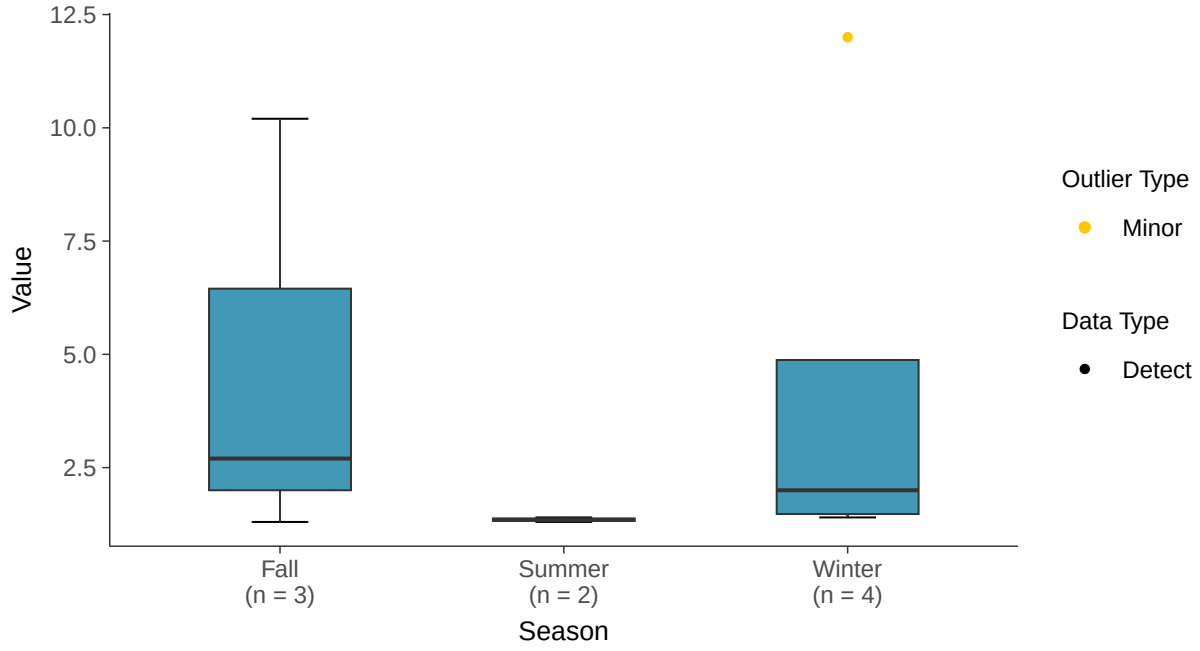
Boxplot

Chloride, MW-17E (mg/l)



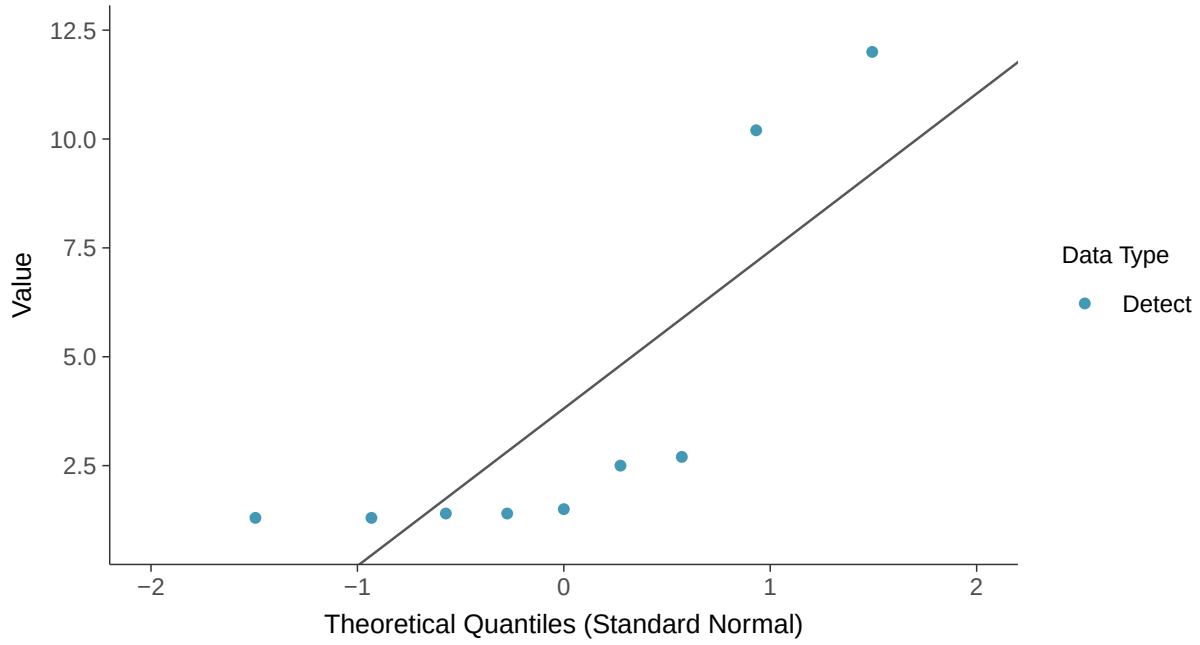
Boxplot by Season

Chloride, MW-17E (mg/l)



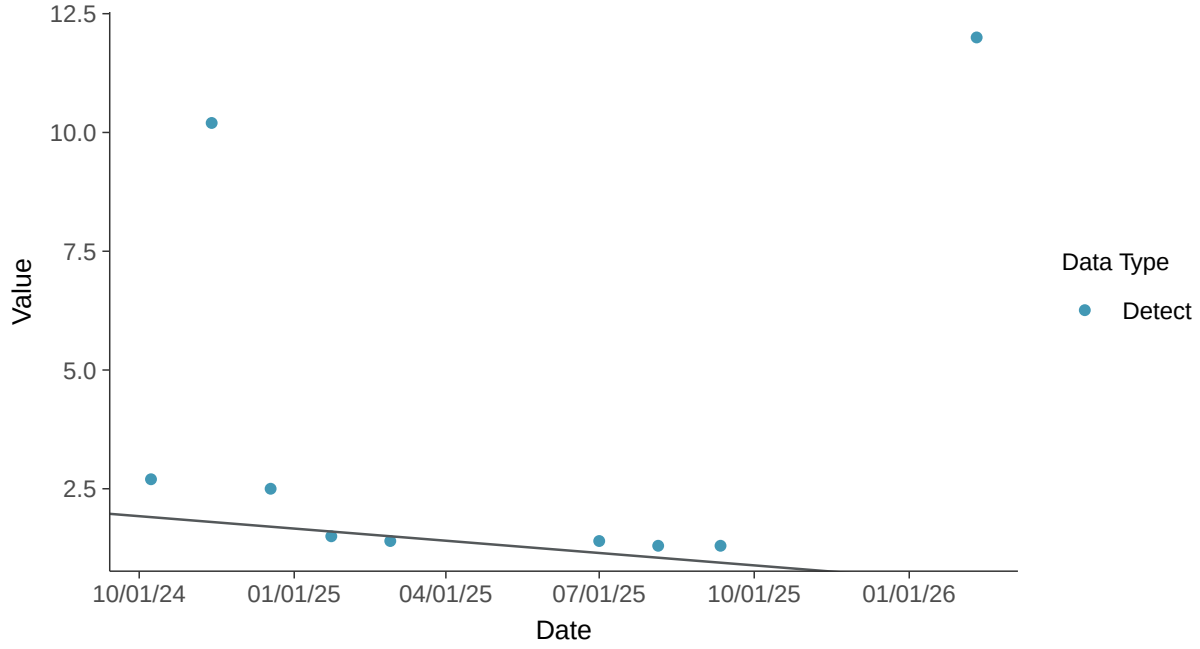
Normal Q-Q plot

Chloride, MW-17E (mg/l)



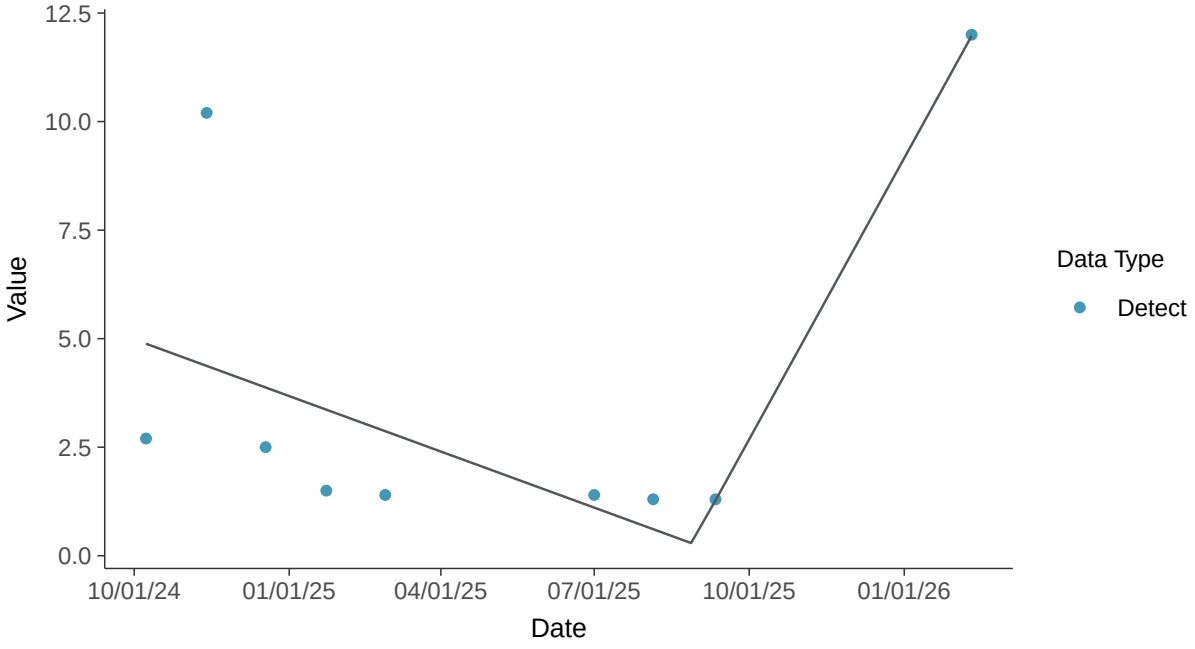
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Chloride, MW-17E (mg/l)



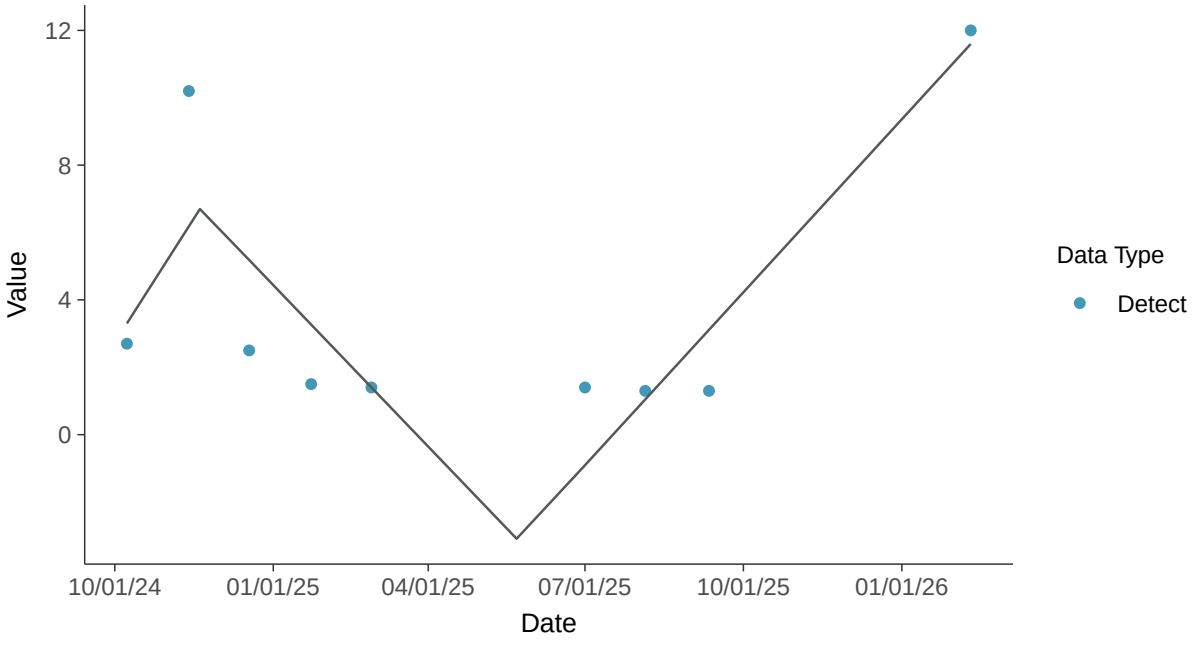
Trend Regression: Piecewise Linear-Linear

Chloride, MW-17E (mg/l)



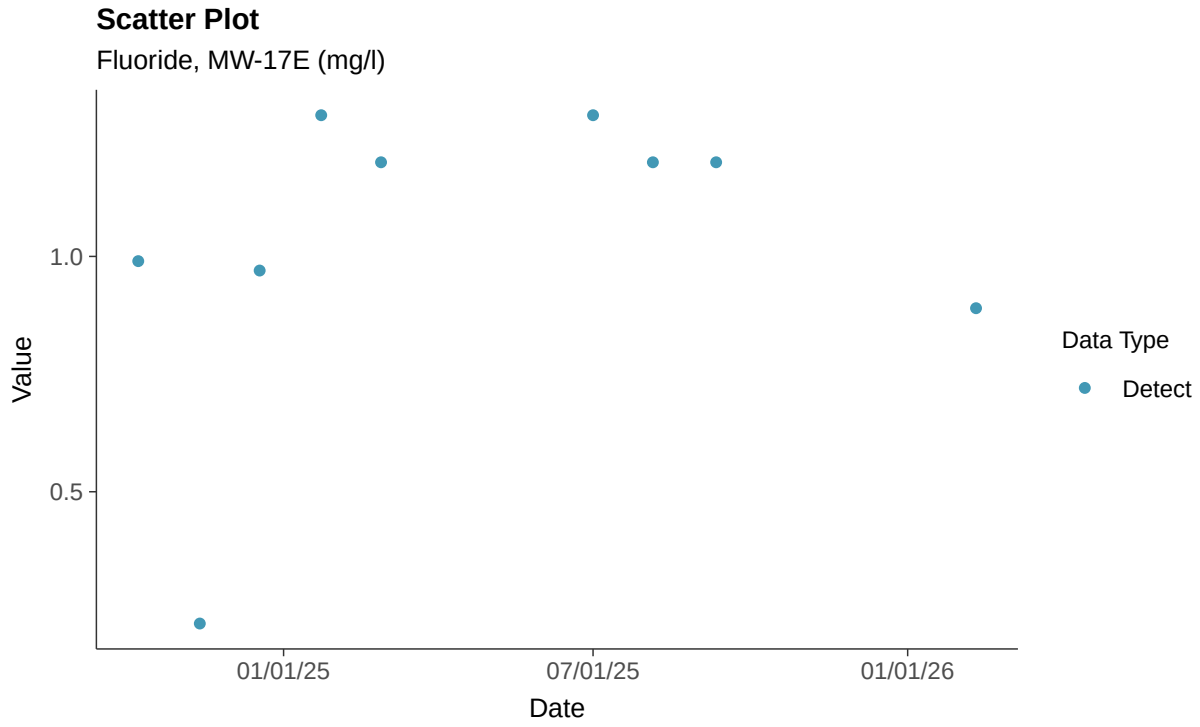
Trend Regression: Piecewise Linear-Linear-Linear

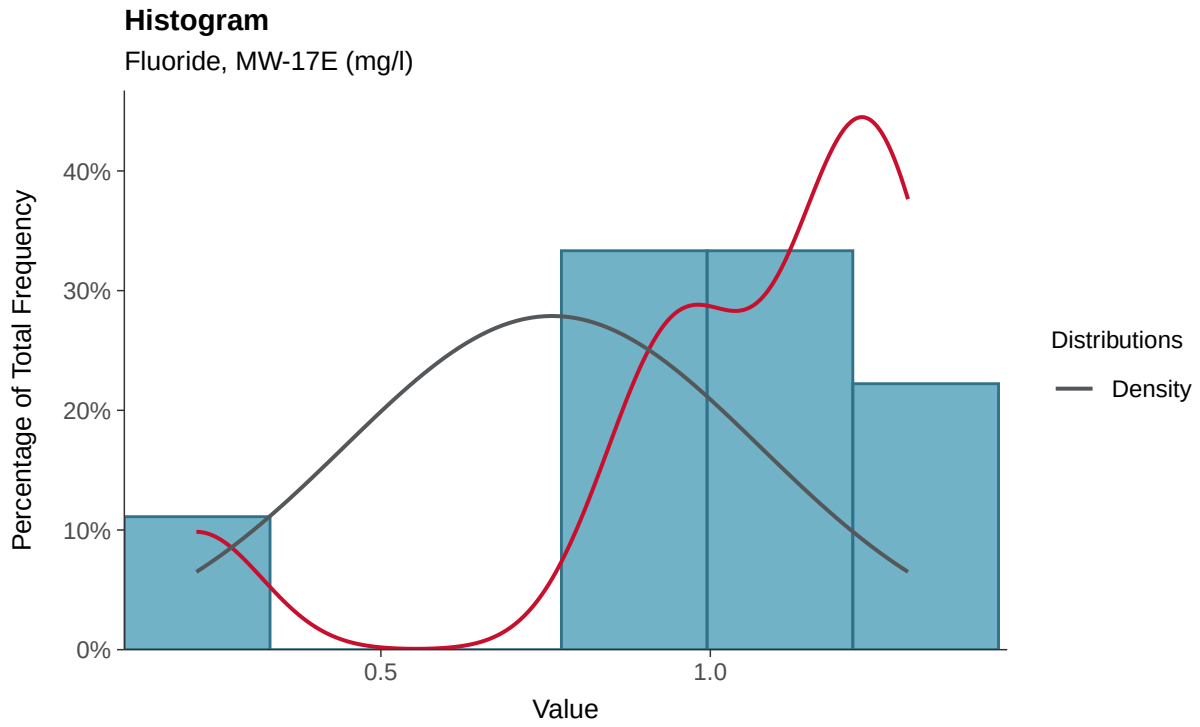
Chloride, MW-17E (mg/l)



Appendix III: Fluoride, MW-17E

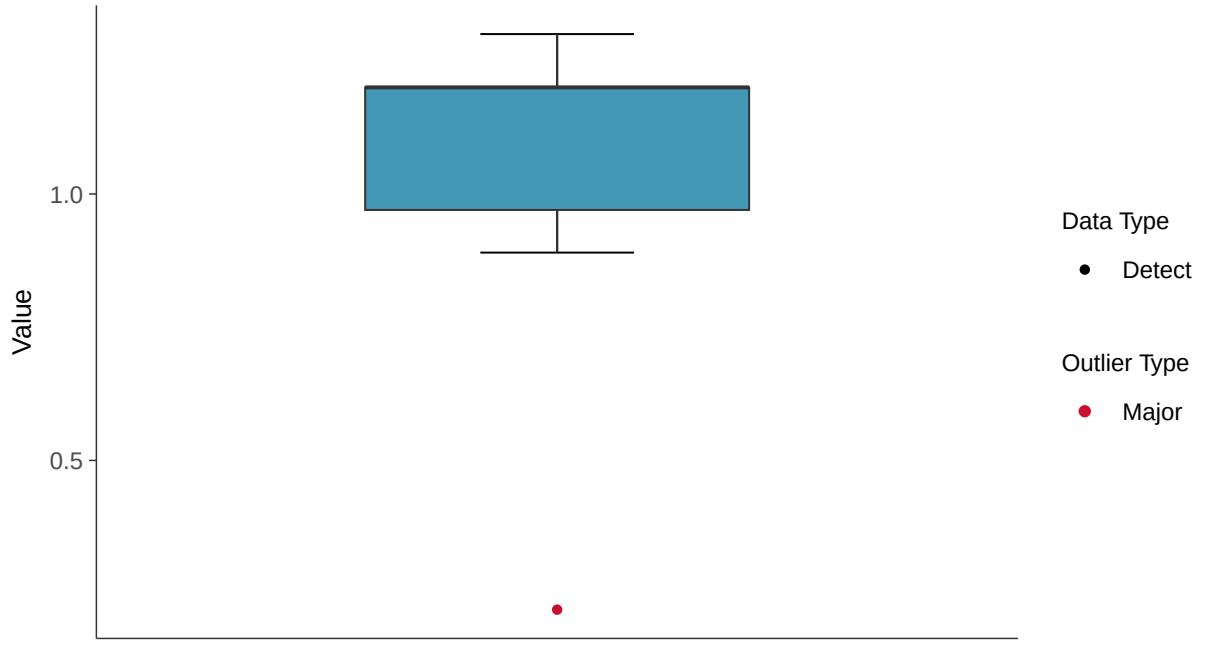
ID: 15_2_112





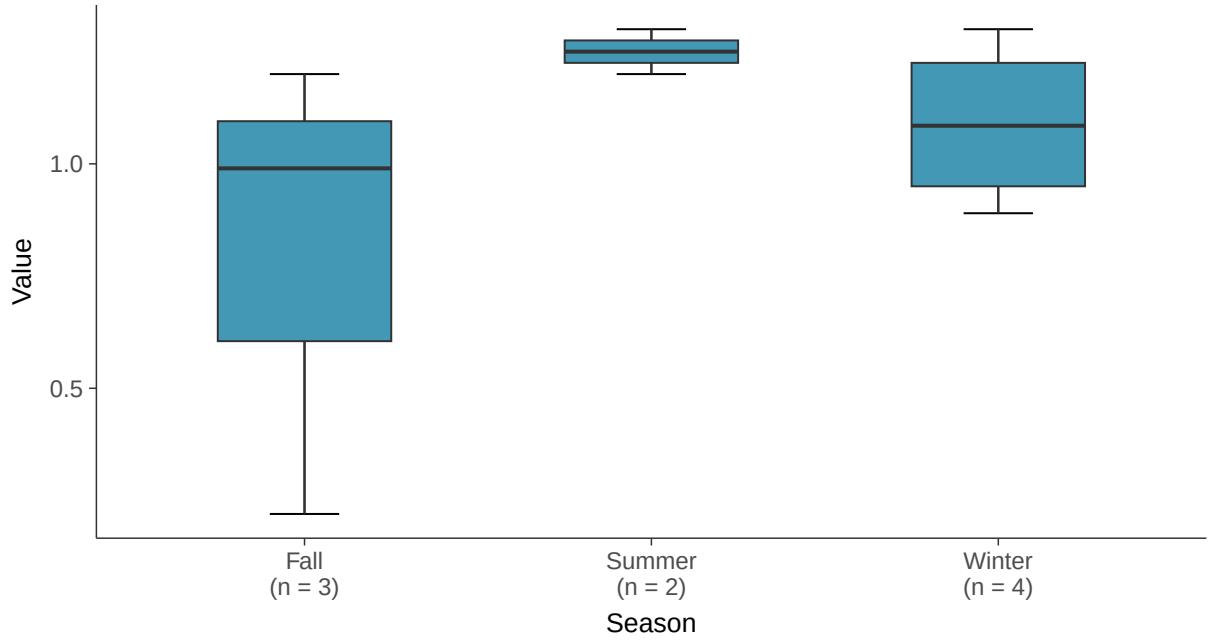
Boxplot

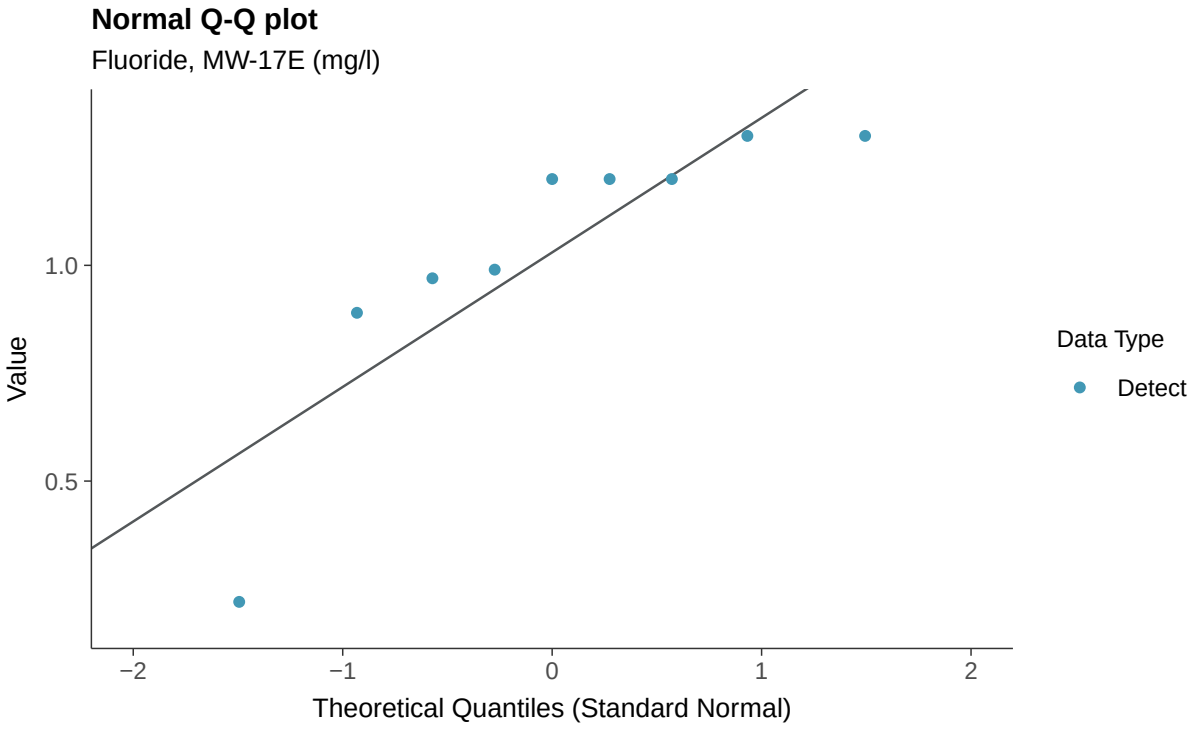
Fluoride, MW-17E (mg/l)

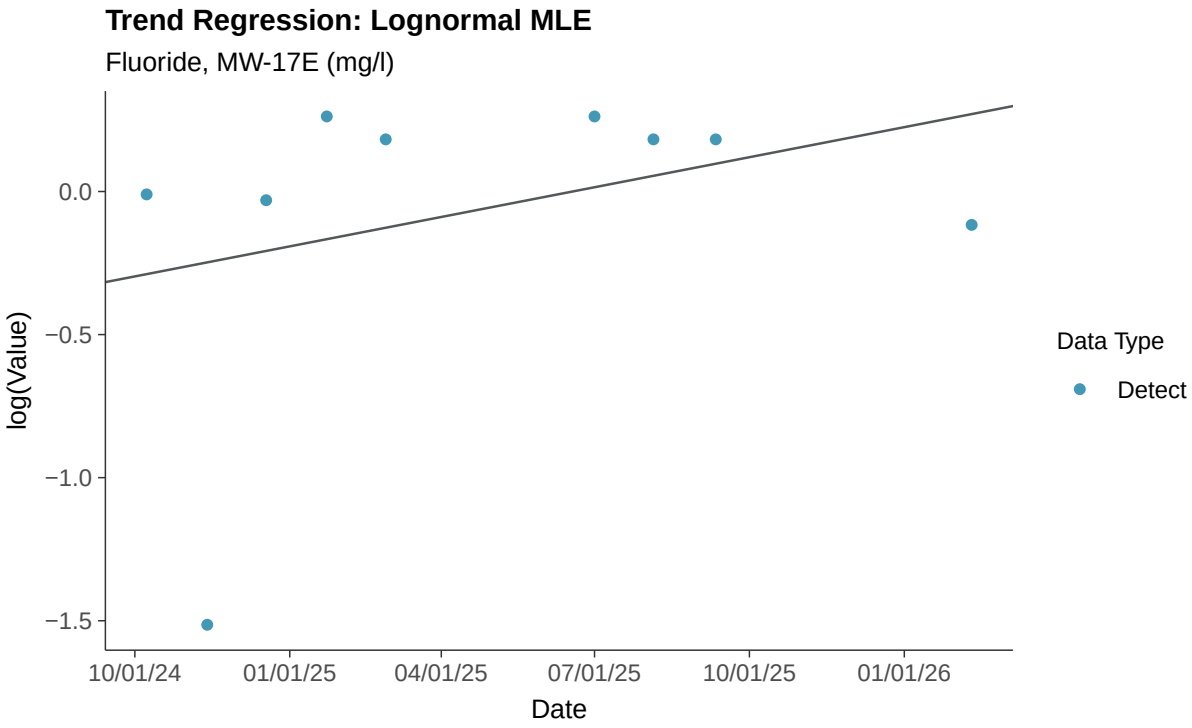


Boxplot by Season

Fluoride, MW-17E (mg/l)

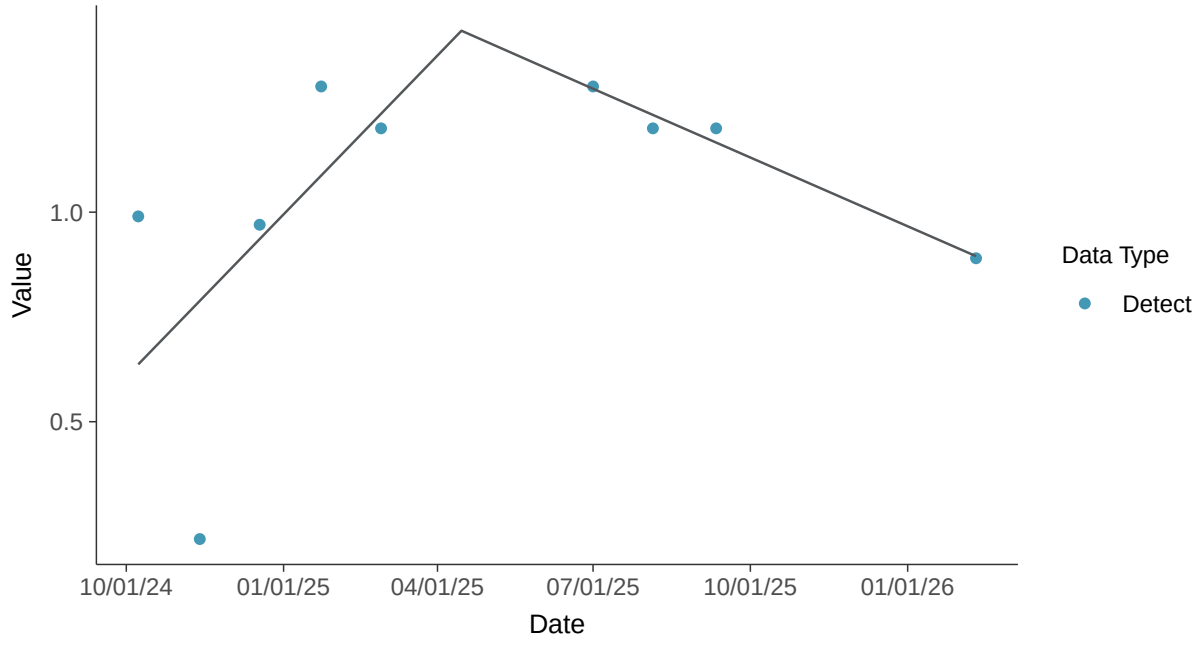



Normal Q-Q plot
Fluoride, MW-17E (mg/l)
Value
1.0
0.5
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Trend Regression: Lognormal MLE
Fluoride, MW-17E (mg/l)
log(Value)
0.0
−0.5
−1.0
−1.5
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

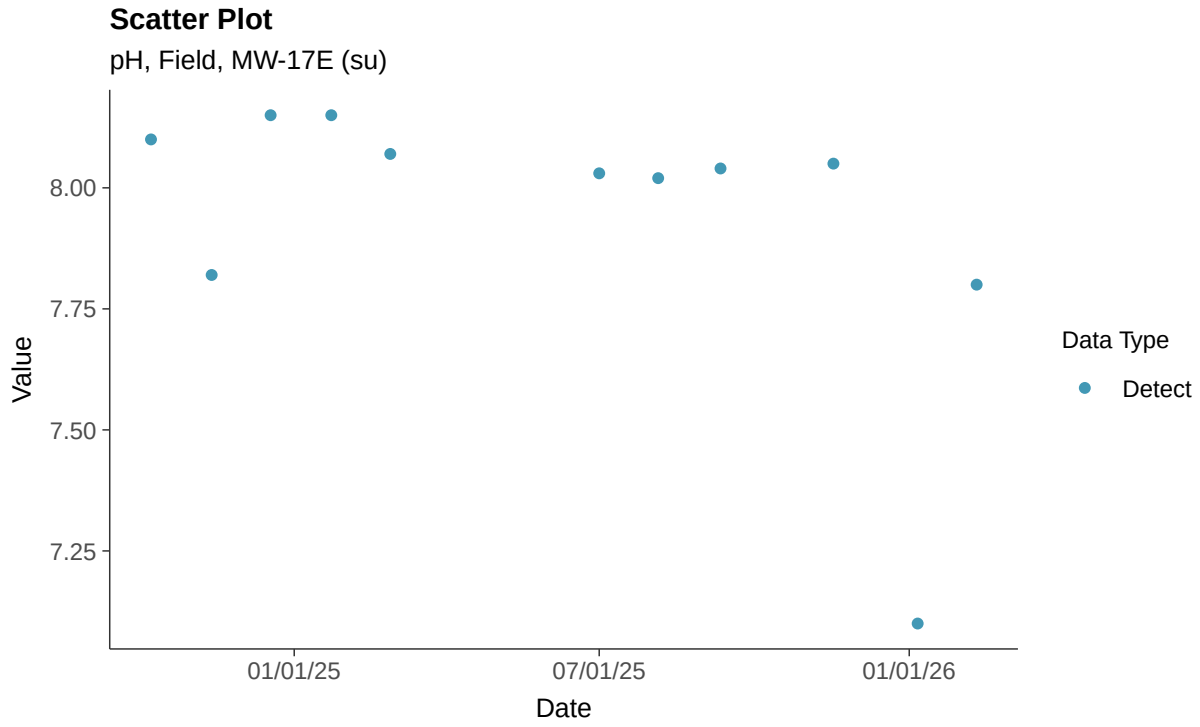
Trend Regression: Piecewise Linear-Linear

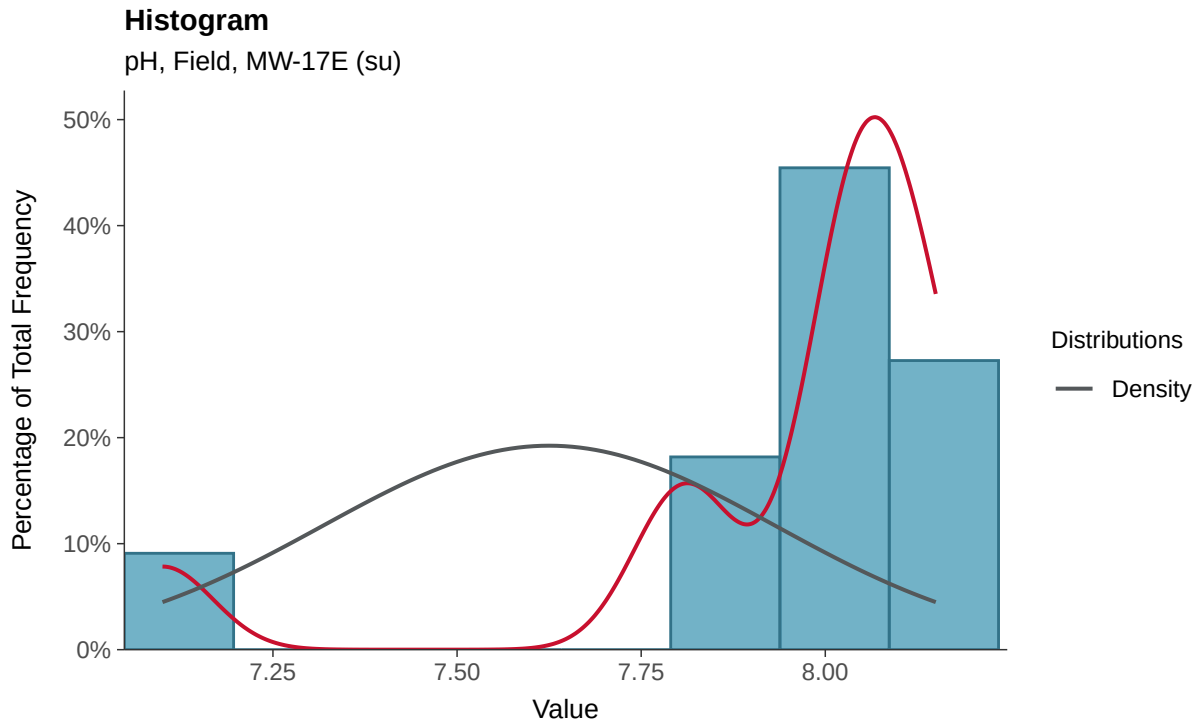
Fluoride, MW-17E (mg/l)



Appendix III: pH, Field, MW-17E

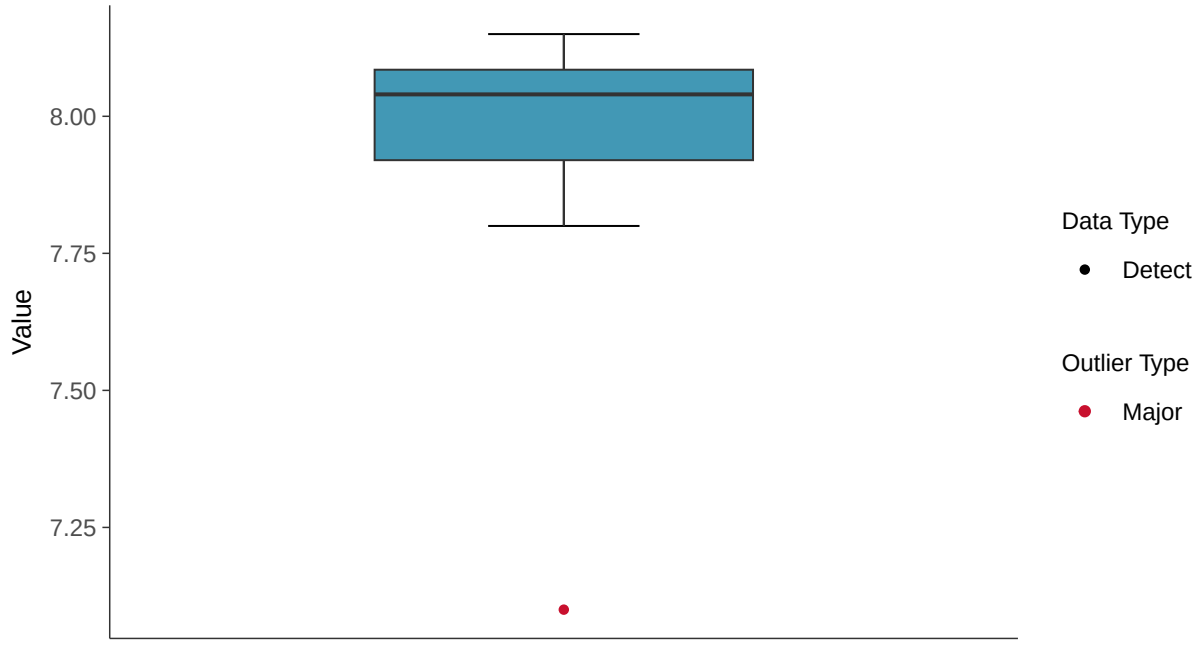
ID: 15_2_120





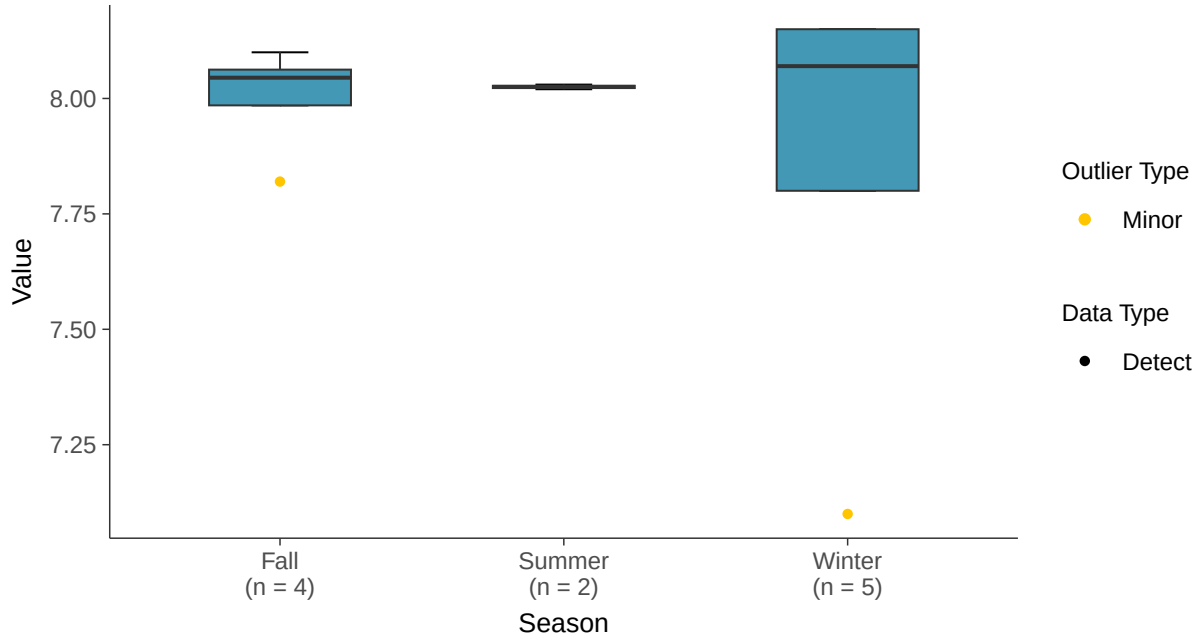
Boxplot

pH, Field, MW-17E (su)



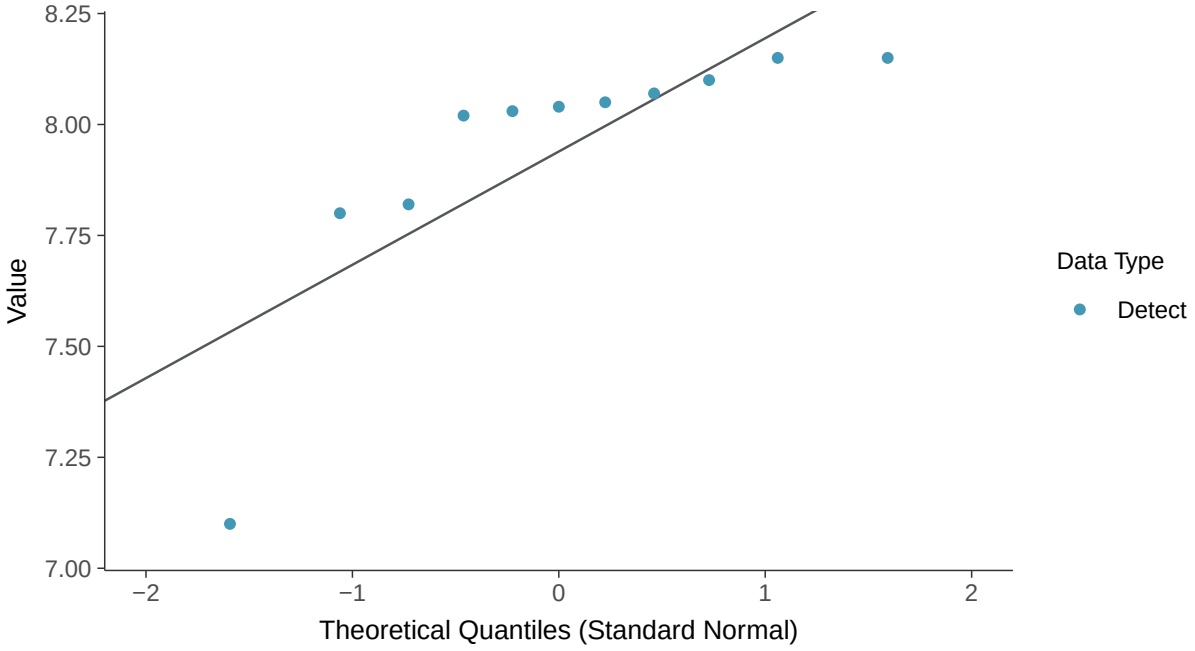
Boxplot by Season

pH, Field, MW-17E (su)



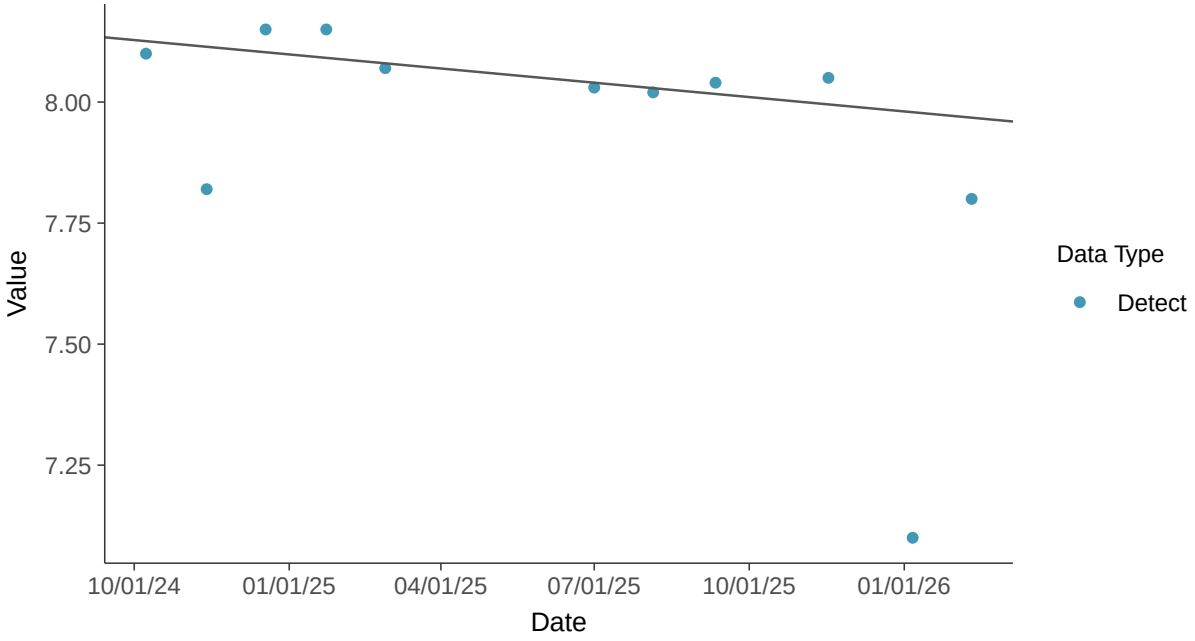
Normal Q-Q plot

pH, Field, MW-17E (su)



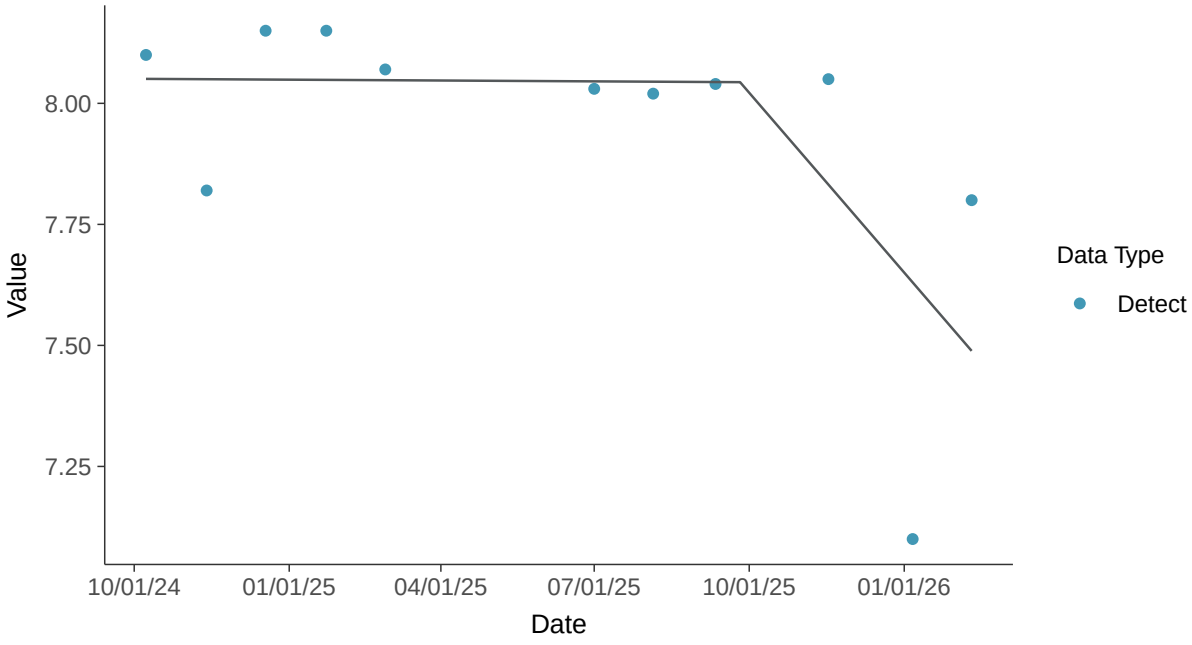
Trend Regression: Mann-Kendall/Theil-Sen Estimate

pH, Field, MW-17E (su)



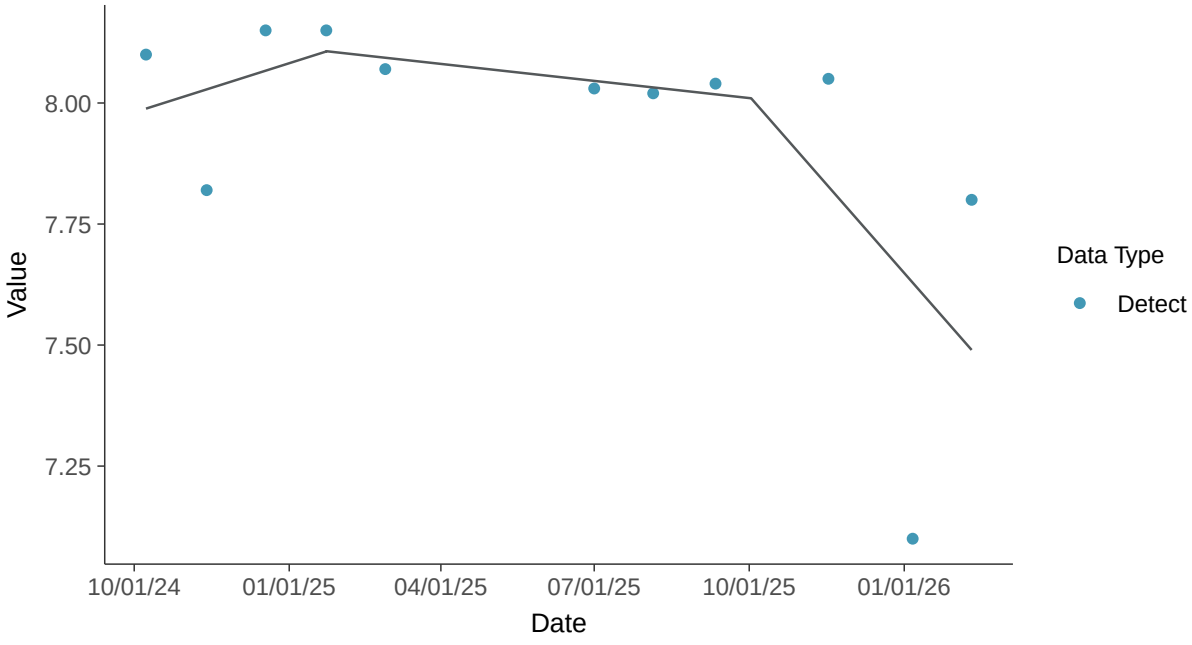
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-17E (su)



Trend Regression: Piecewise Linear-Linear-Linear

pH, Field, MW-17E (su)

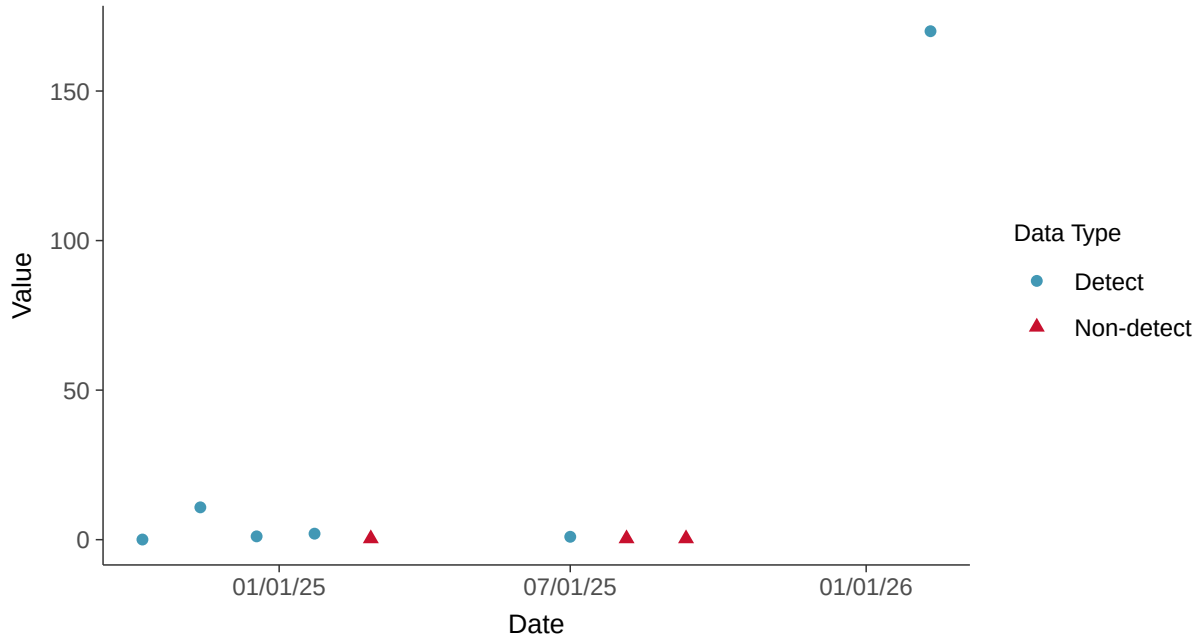


Appendix III: Sulfate, MW-17E

ID: 15_2_124

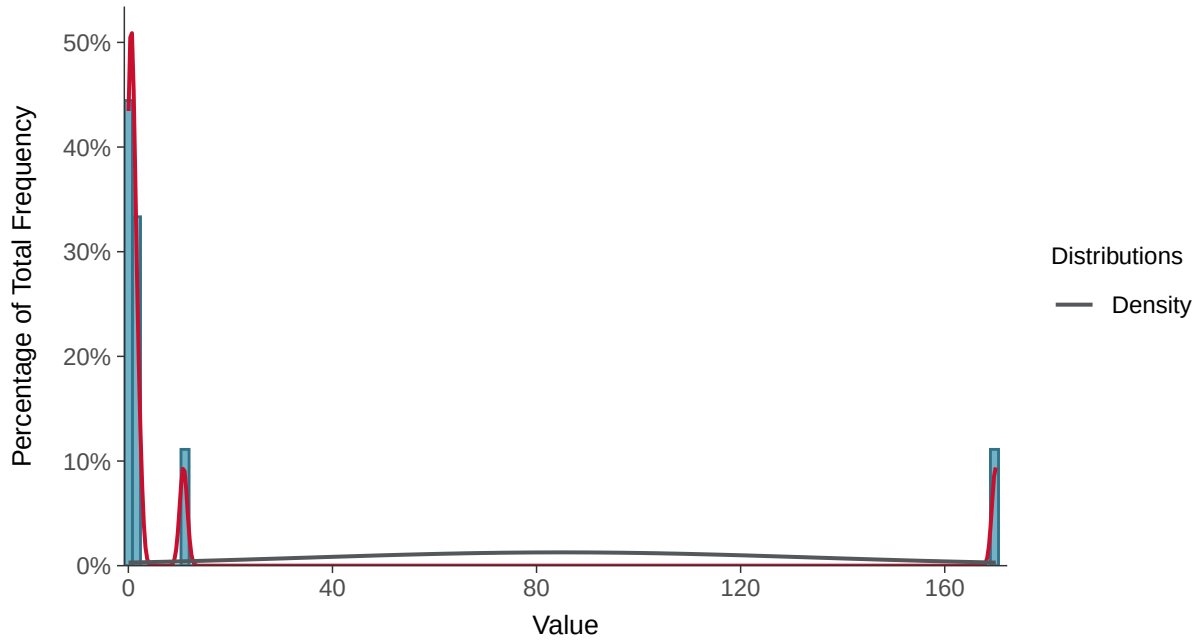
Scatter Plot

Sulfate, MW-17E (mg/l)



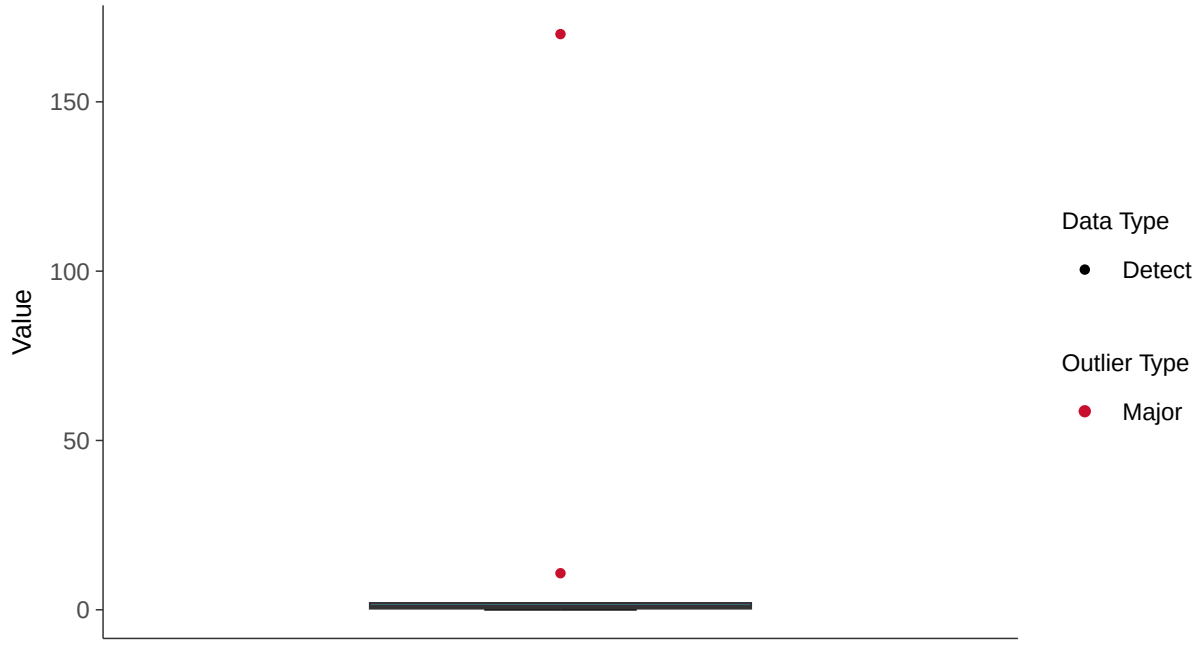
Histogram

Sulfate, MW-17E (mg/l)



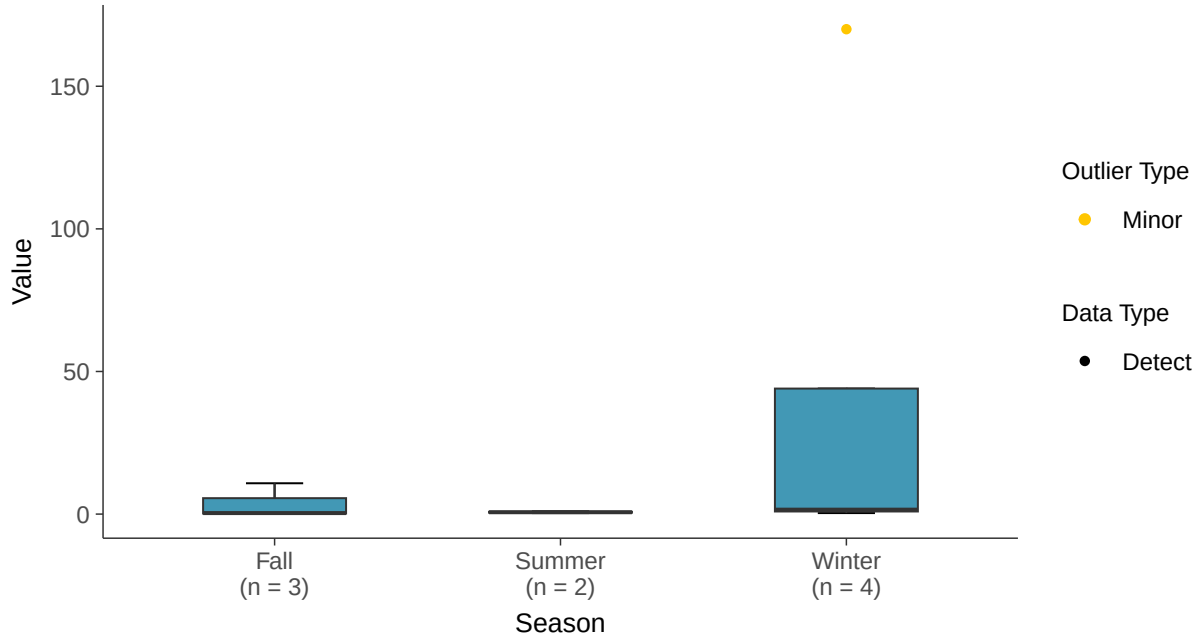
Boxplot

Sulfate, MW-17E (mg/l)



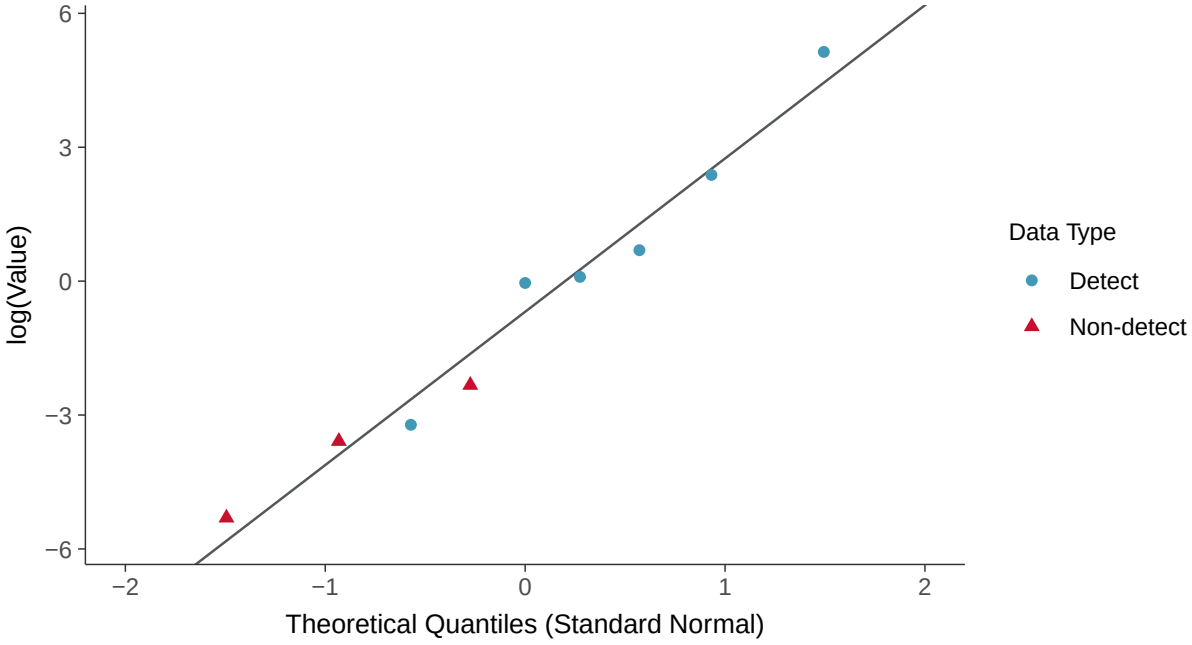
Boxplot by Season

Sulfate, MW-17E (mg/l)



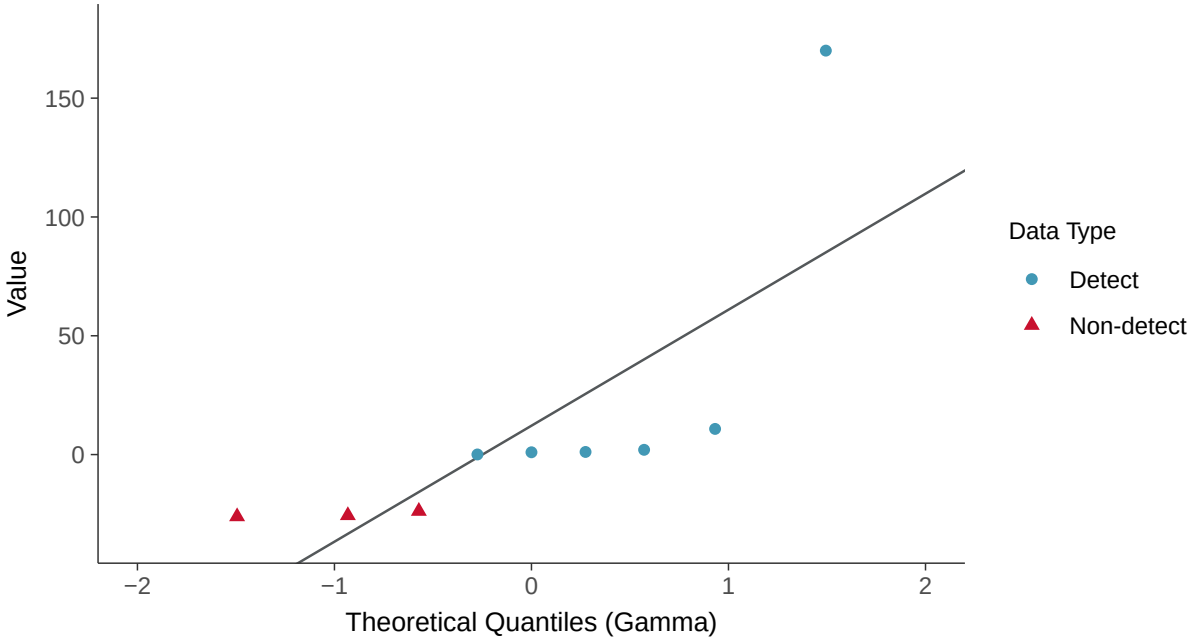
Lognormal Q-Q plot using ROS Imputed Estimates

Sulfate, MW-17E (mg/l)



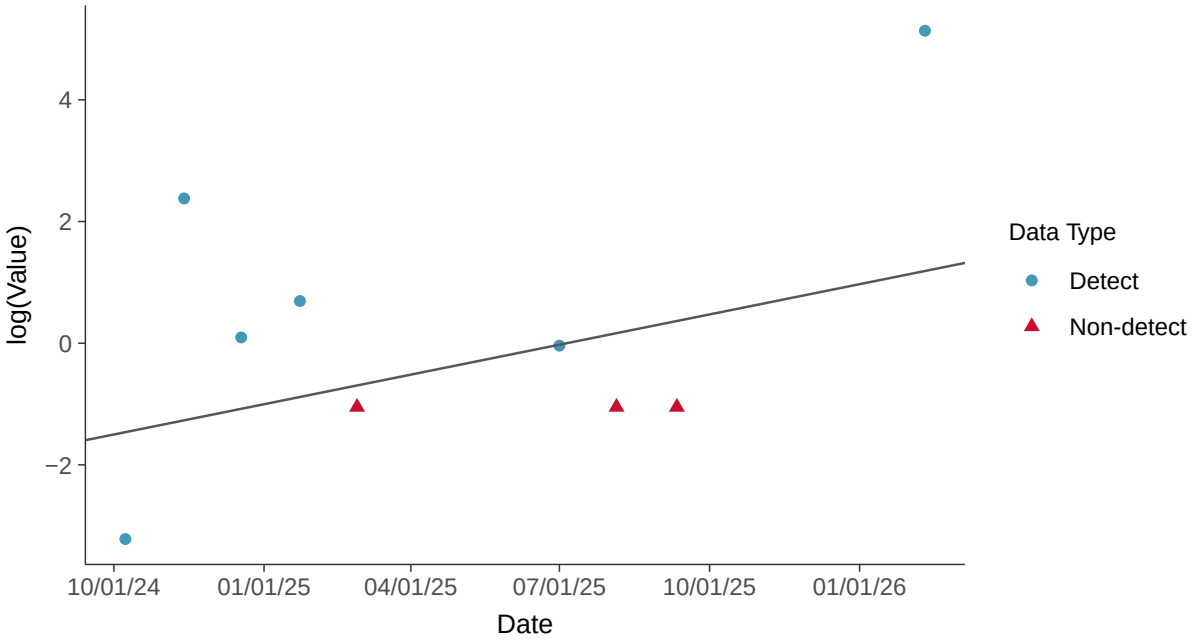
Gamma Q-Q plot using ROS Imputed Estimates

Sulfate, MW-17E (mg/l)



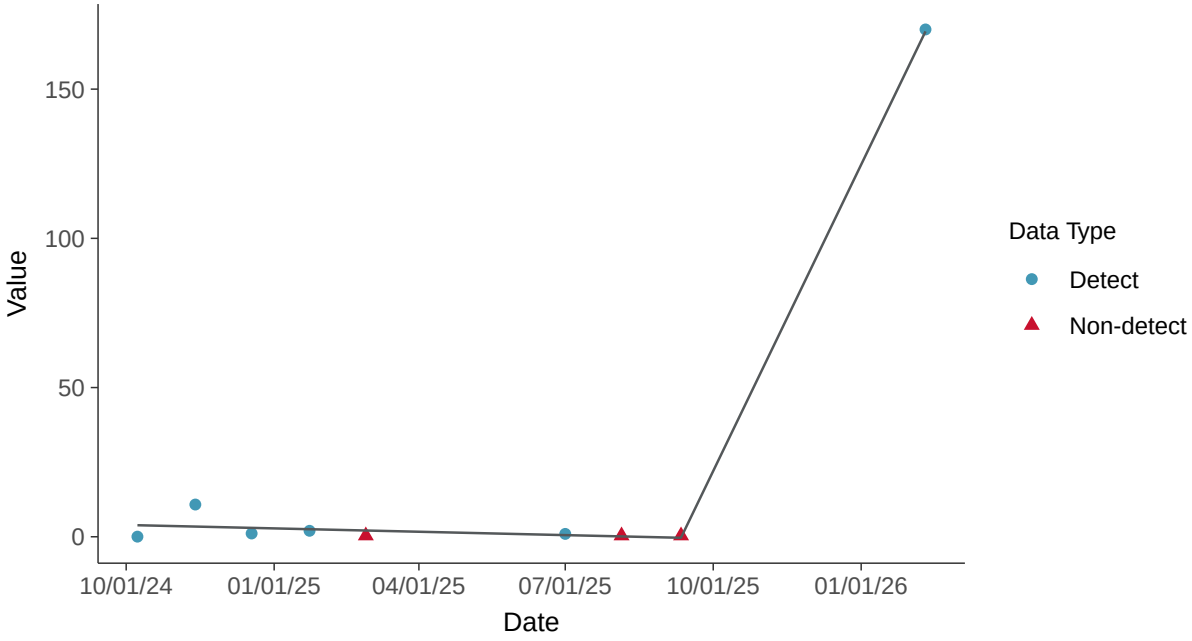
Trend Regression: Lognormal MLE

Sulfate, MW-17E (mg/l)



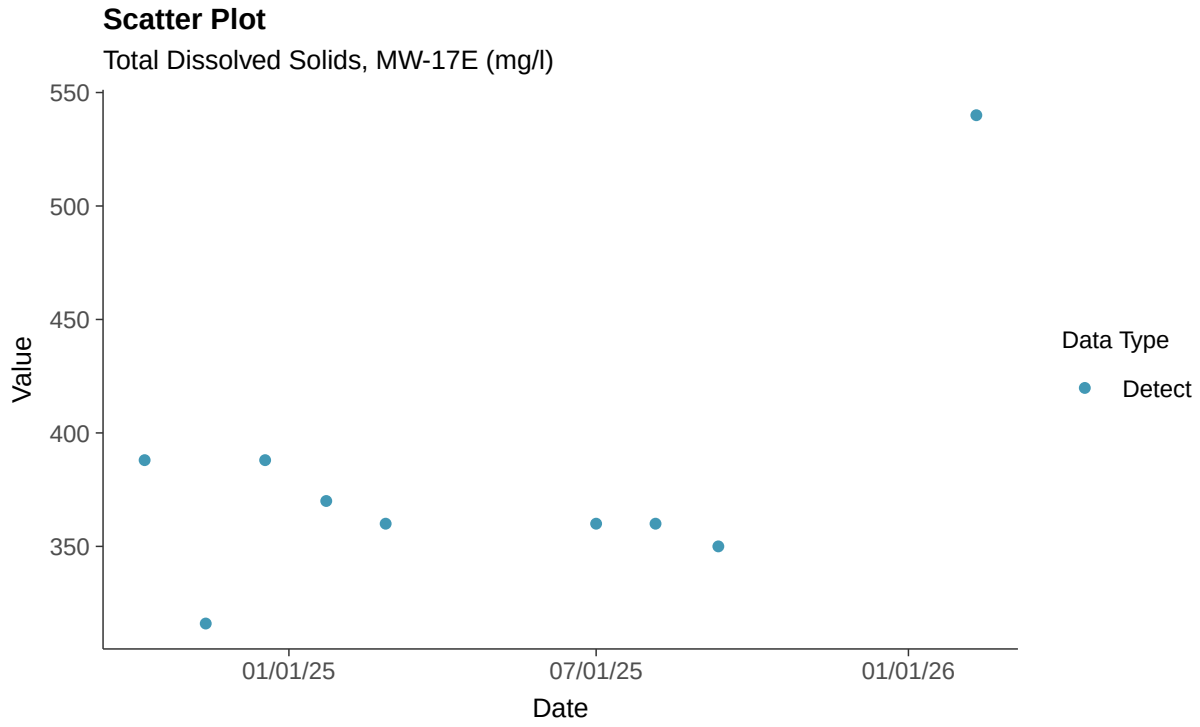
Trend Regression: Piecewise Linear-Linear

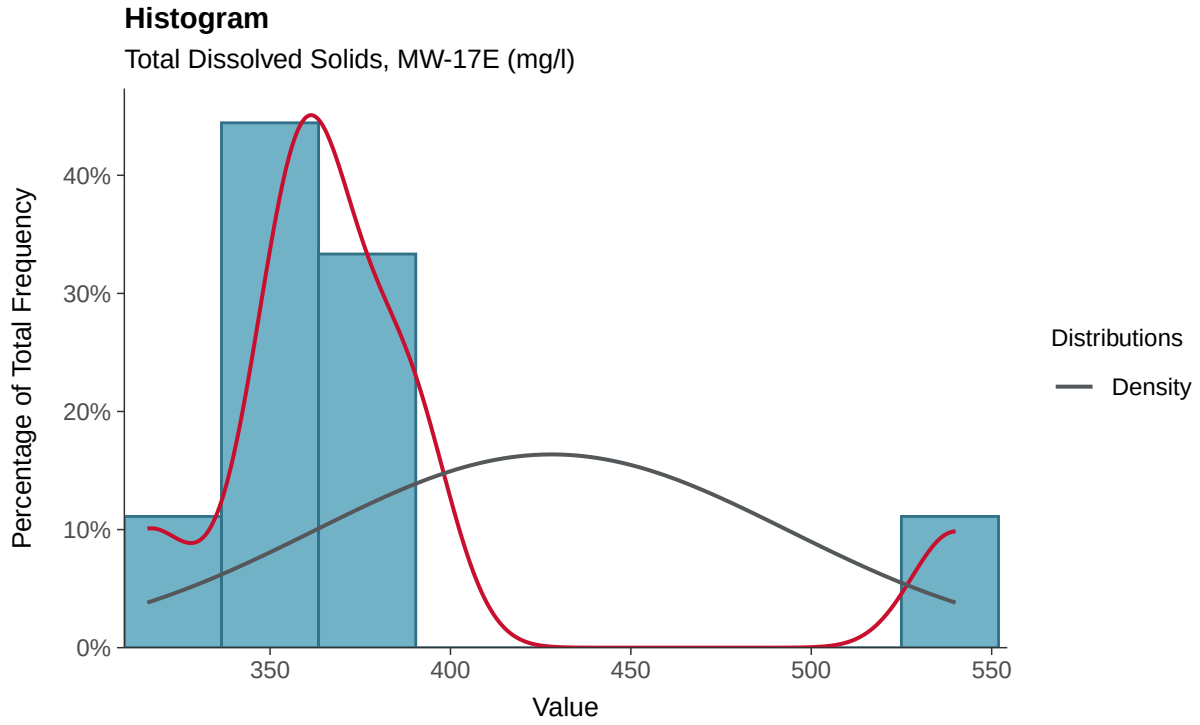
Sulfate, MW-17E (mg/l)



Appendix III: Total Dissolved Solids, MW-17E

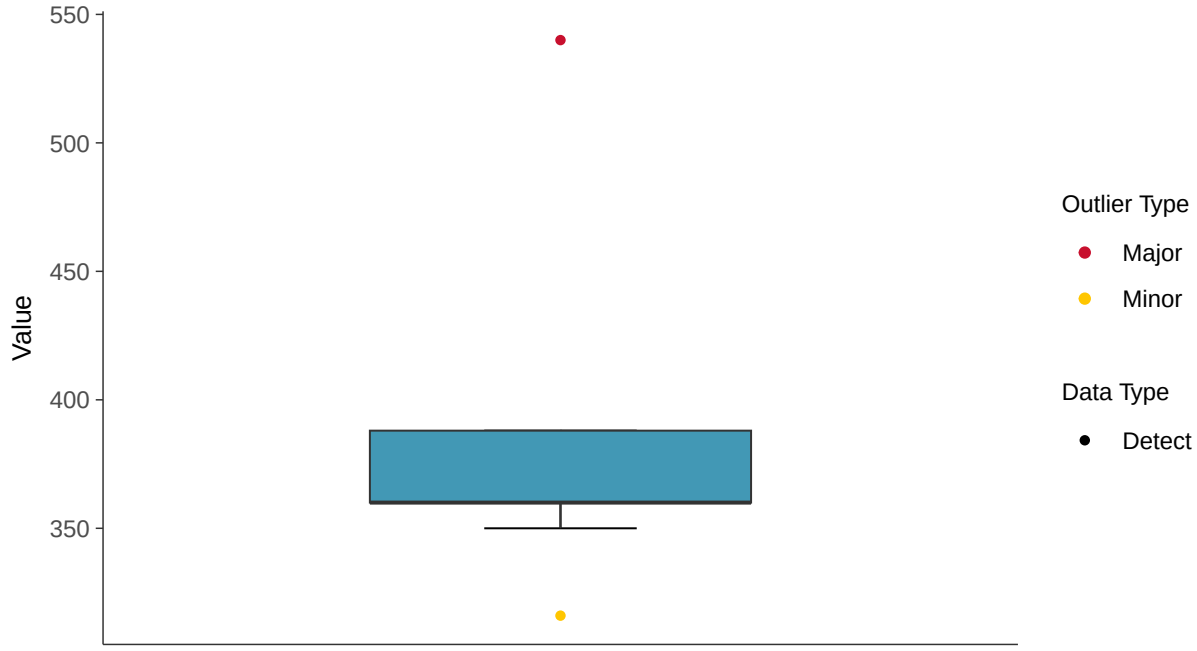
ID: 15_2_126





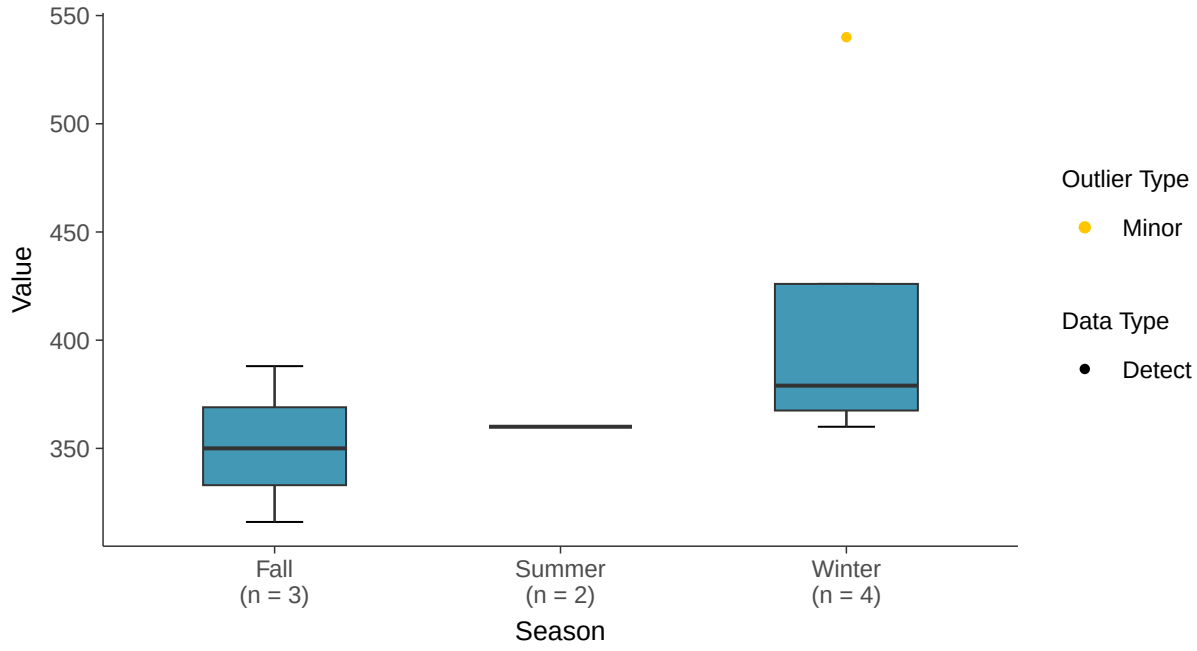
Boxplot

Total Dissolved Solids, MW-17E (mg/l)



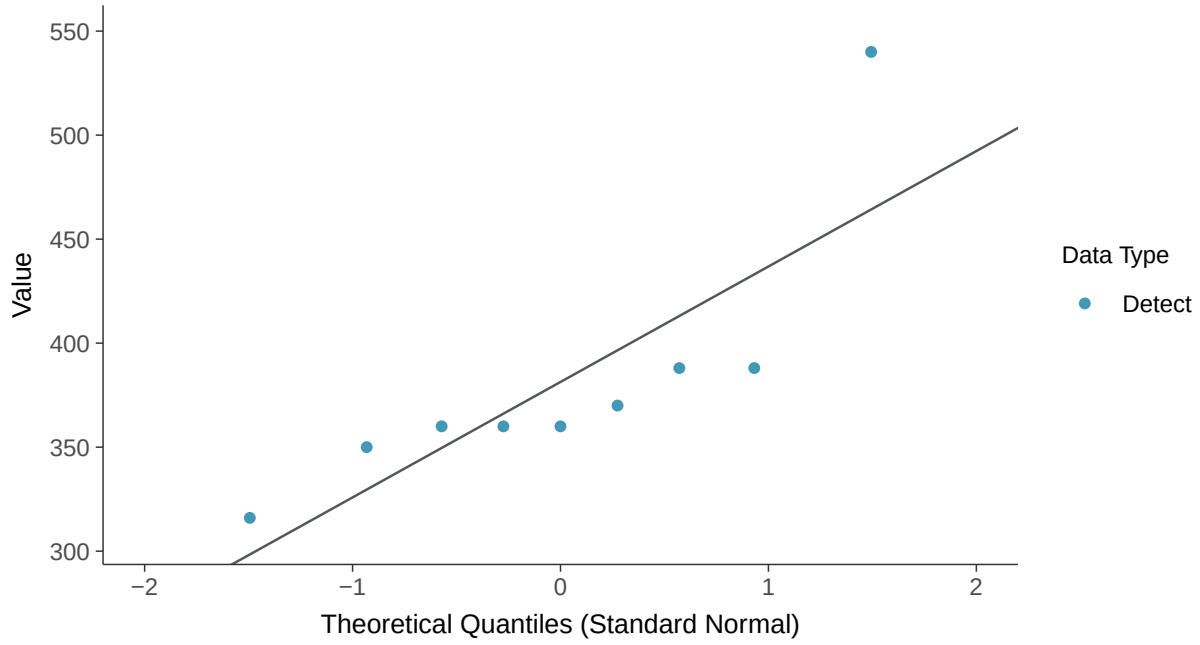
Boxplot by Season

Total Dissolved Solids, MW-17E (mg/l)



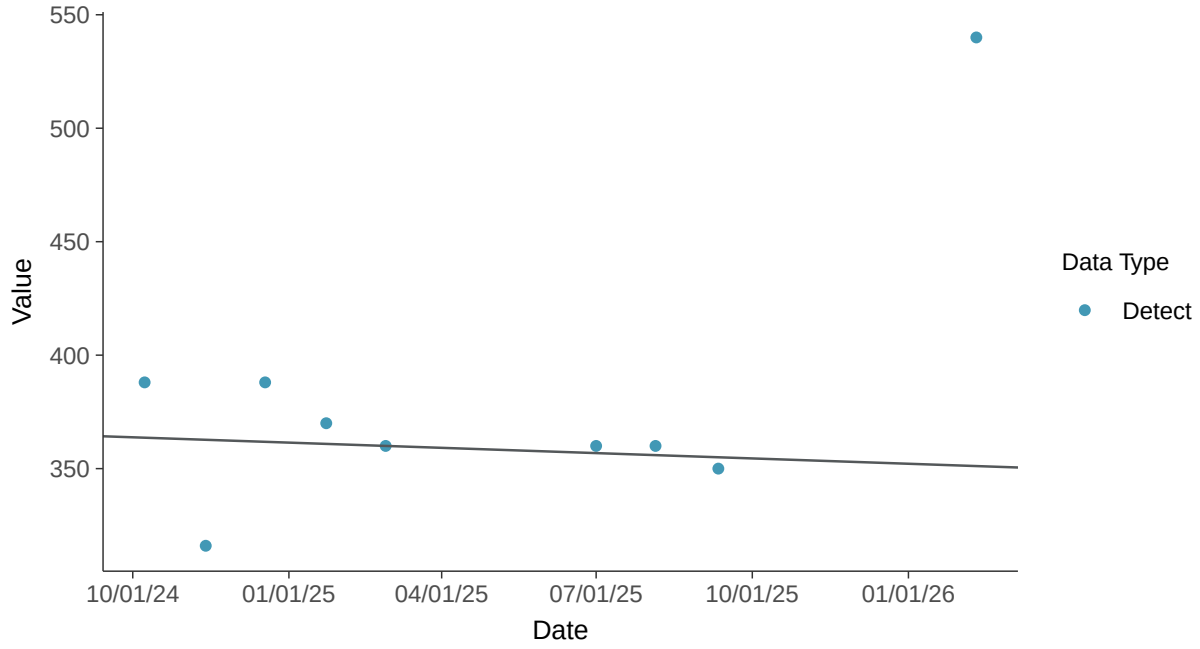
Normal Q-Q plot

Total Dissolved Solids, MW-17E (mg/l)



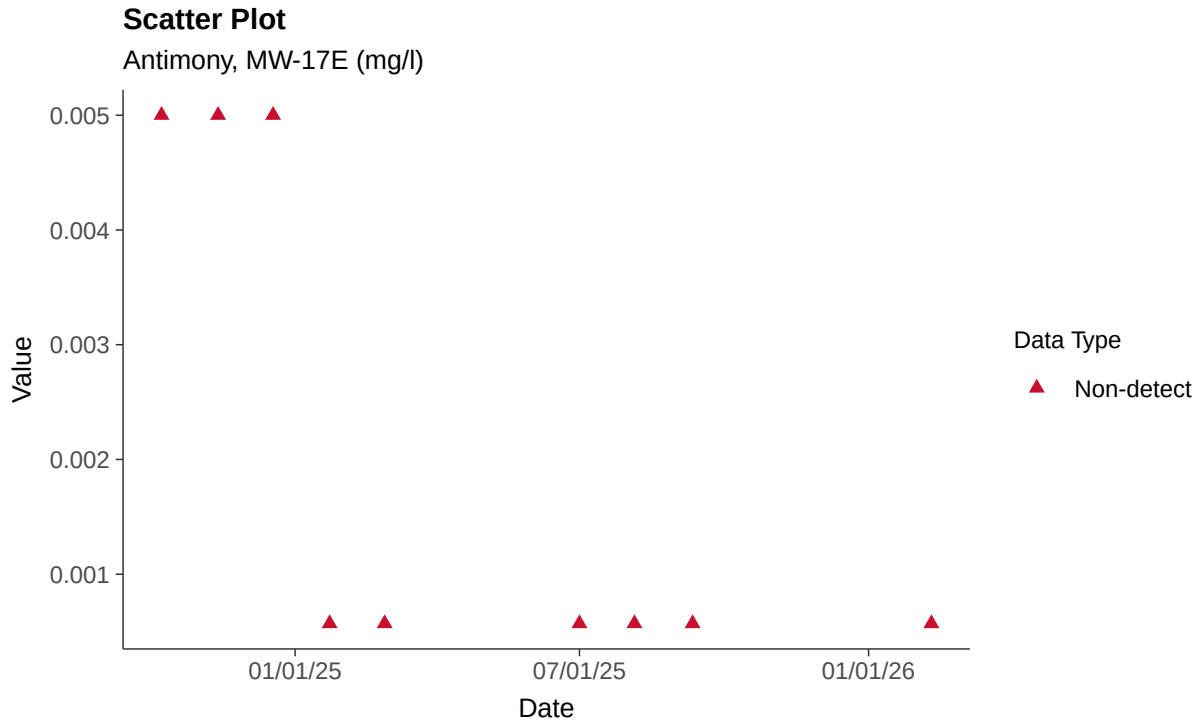
Trend Regression: Mann-Kendall/Theil-Sen Estimate

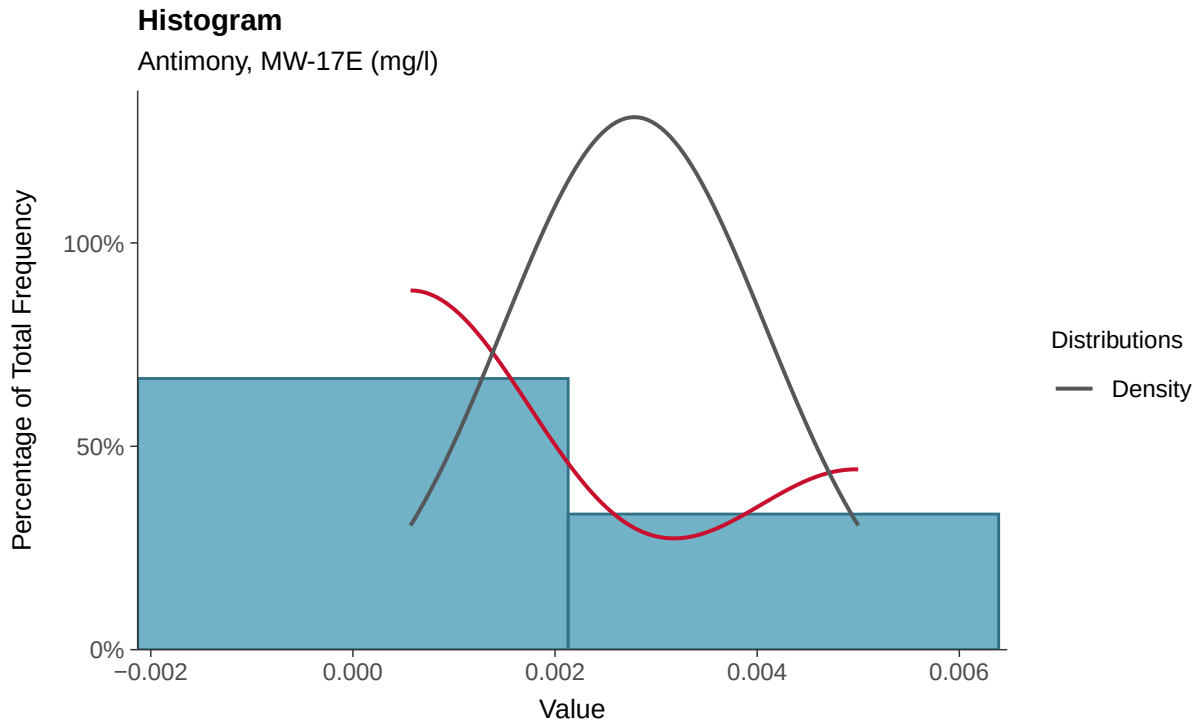
Total Dissolved Solids, MW-17E (mg/l)



Appendix IV: Antimony, MW-17E

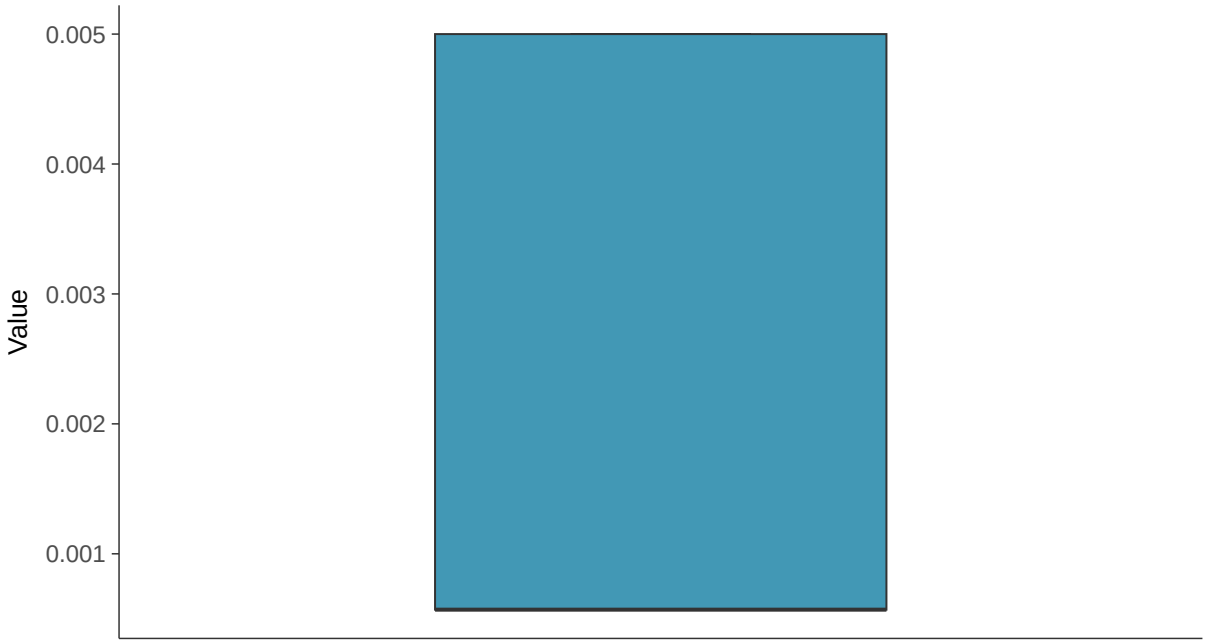
ID: 15_3_101





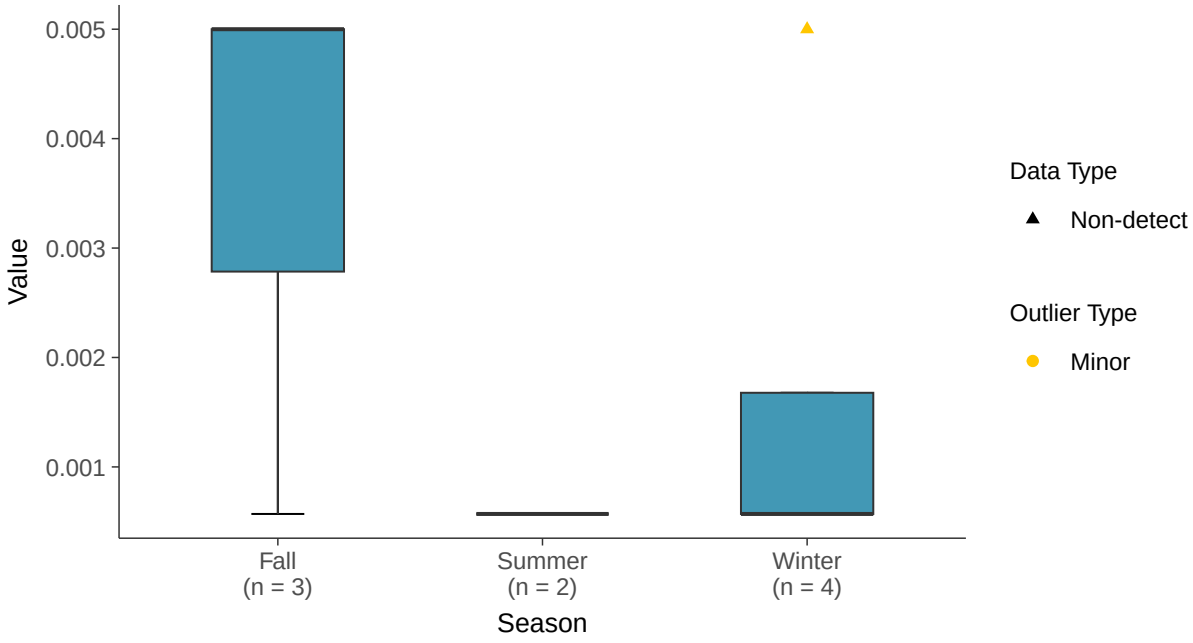
Boxplot

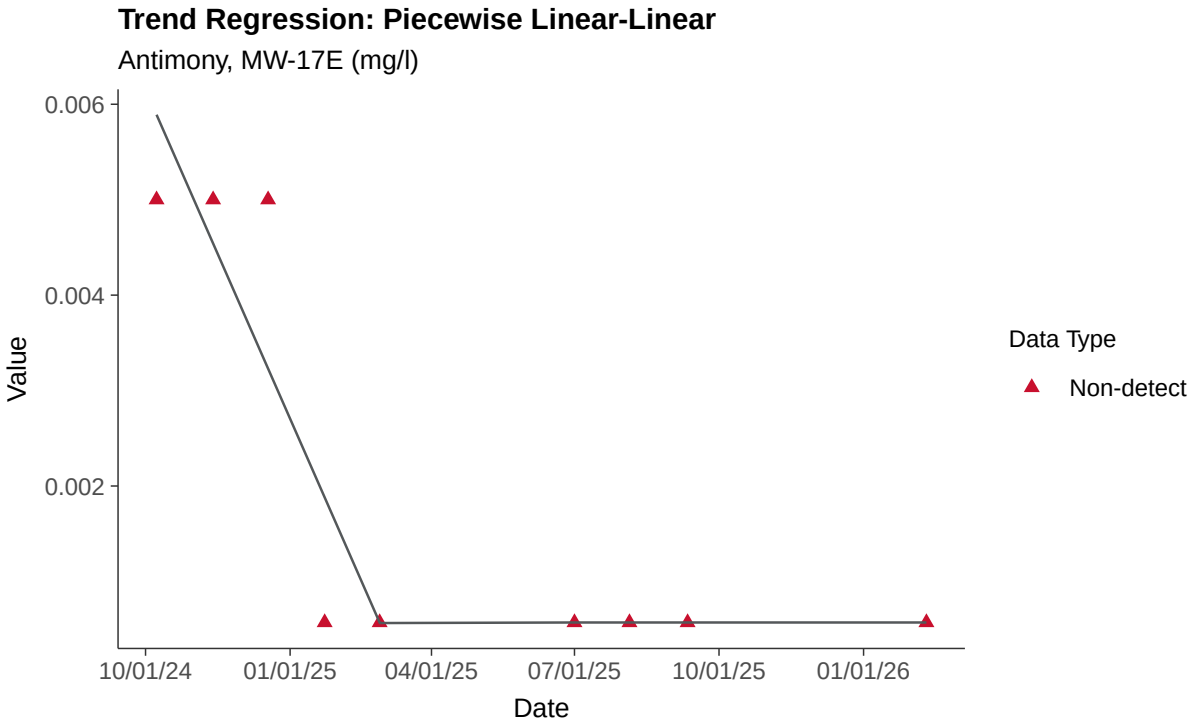
Antimony, MW-17E (mg/l)



Boxplot by Season

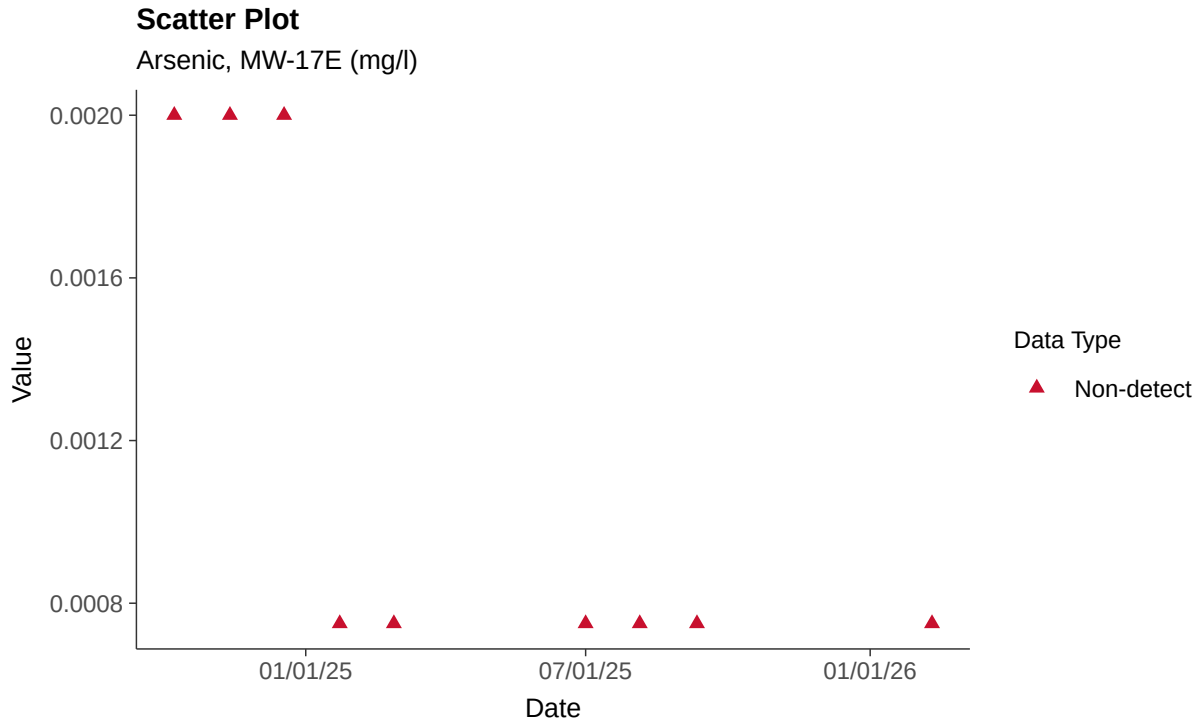
Antimony, MW-17E (mg/l)

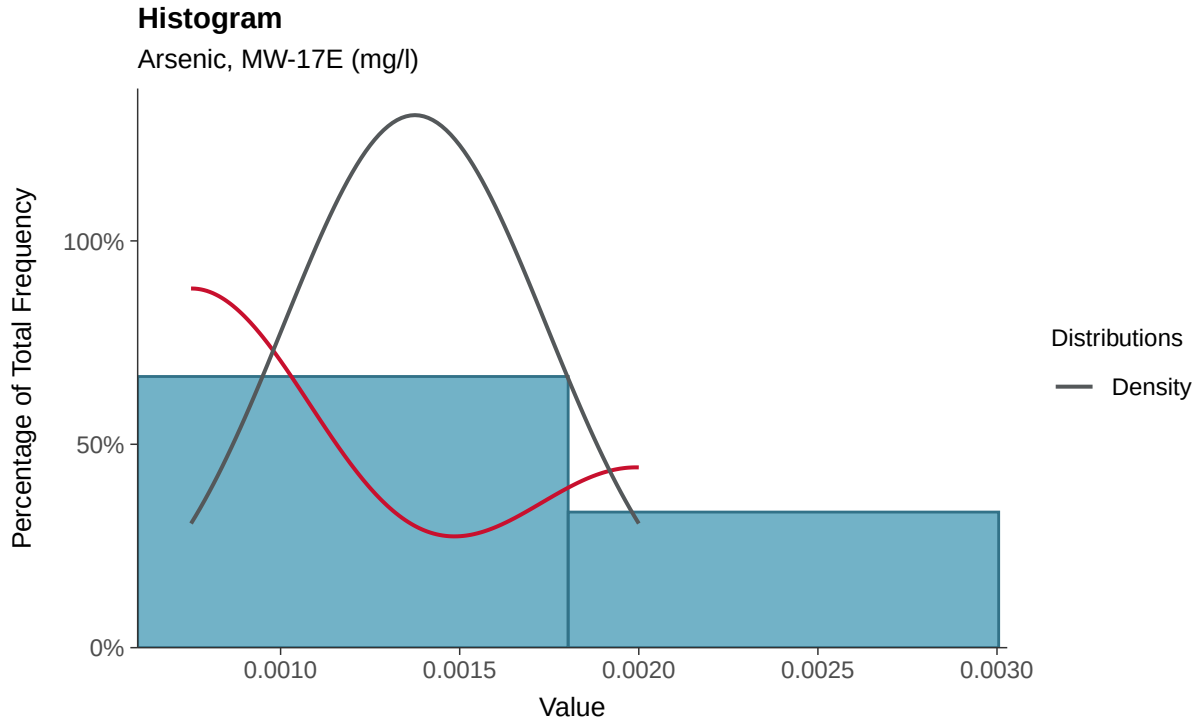



Trend Regression: Piecewise Linear-Linear
Antimony, MW-17E (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-17E

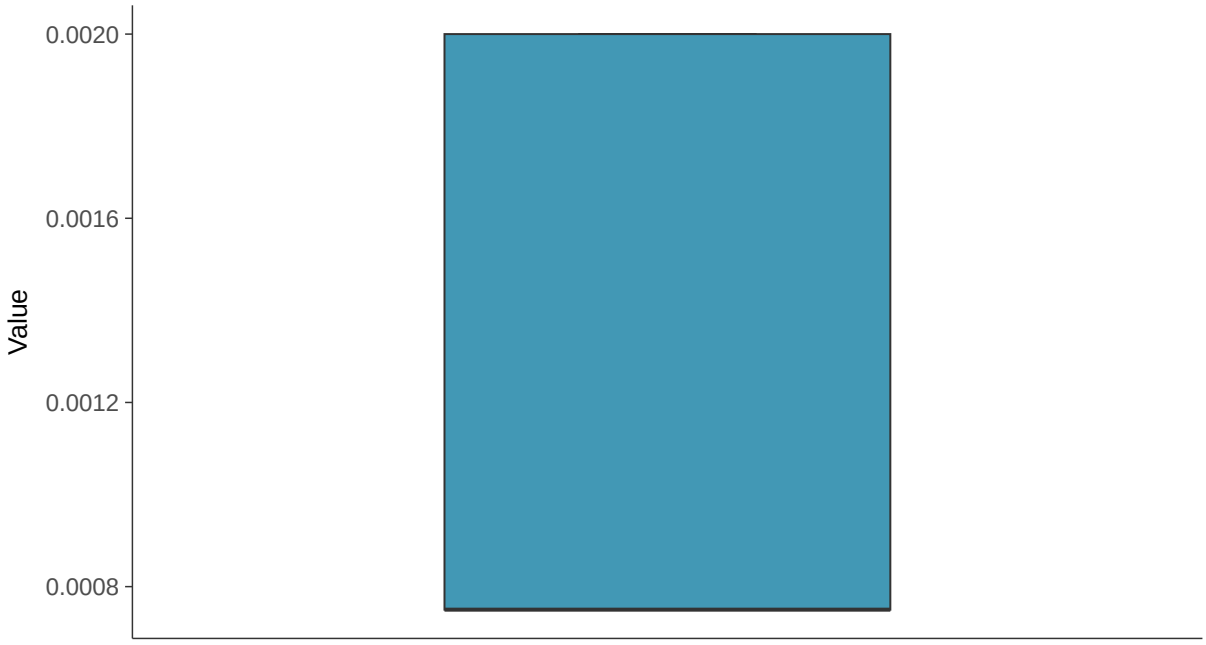
ID: 15_3_102





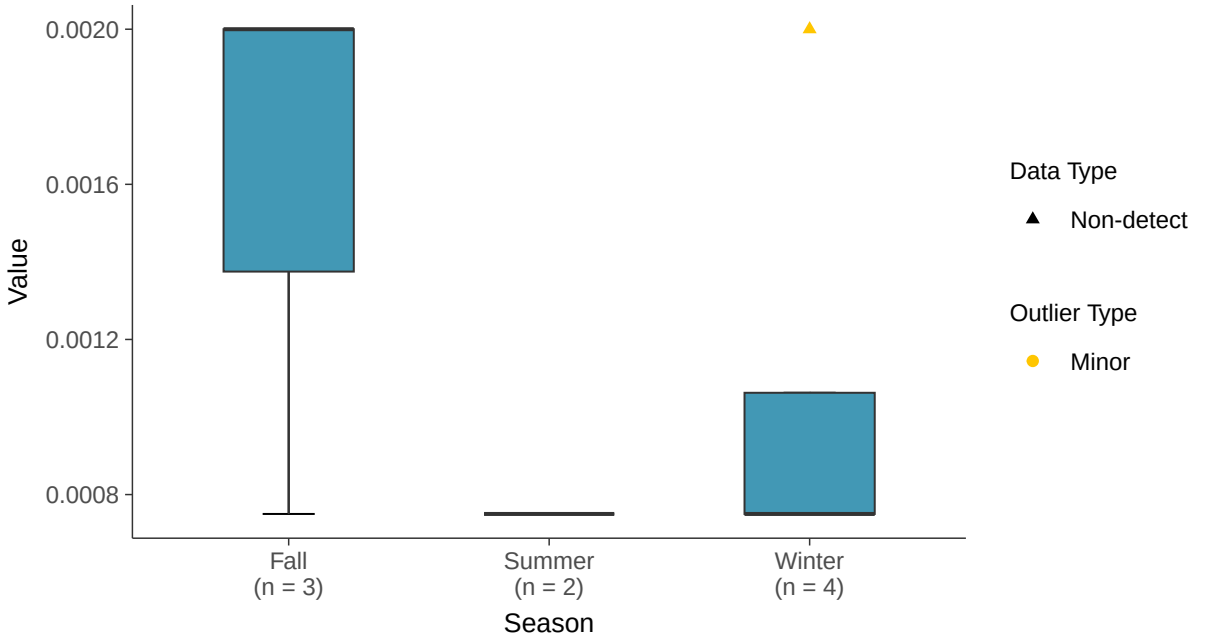
Boxplot

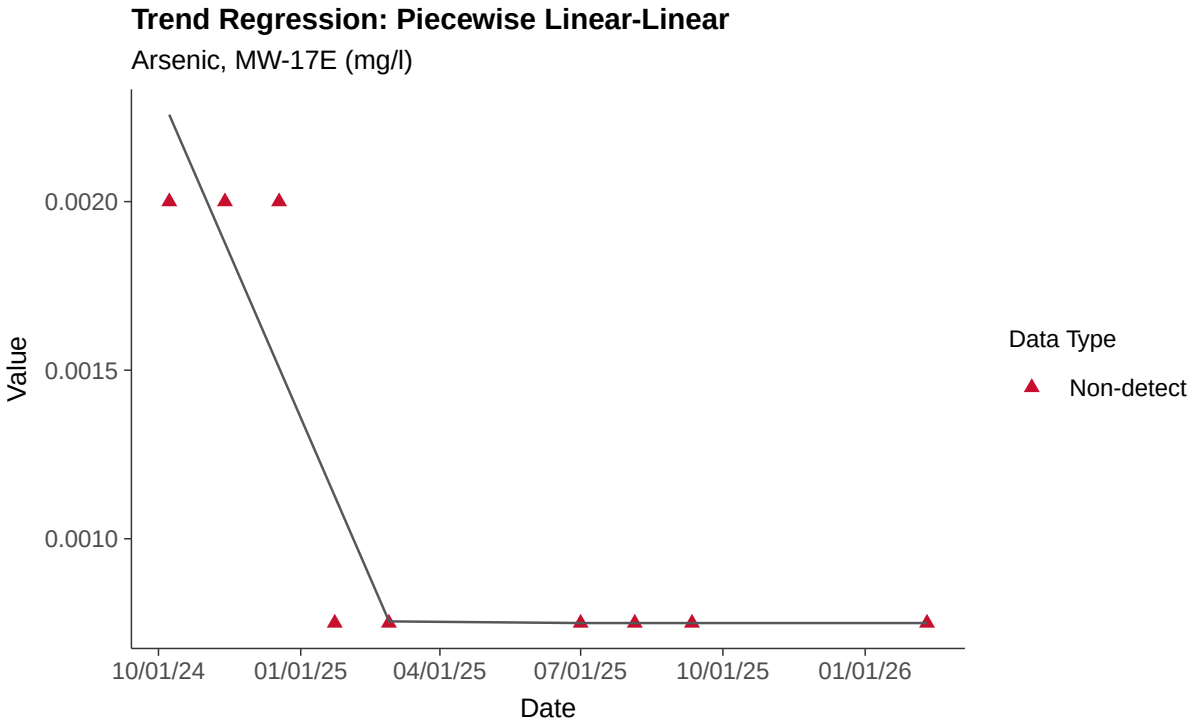
Arsenic, MW-17E (mg/l)



Boxplot by Season

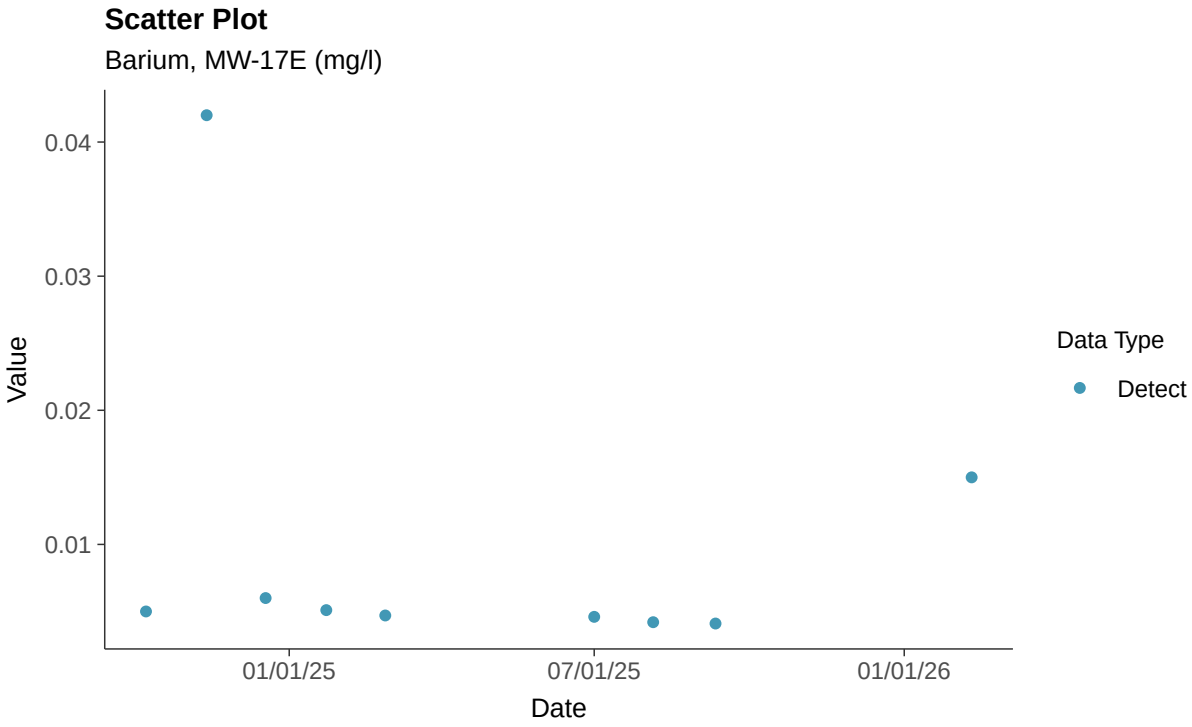
Arsenic, MW-17E (mg/l)

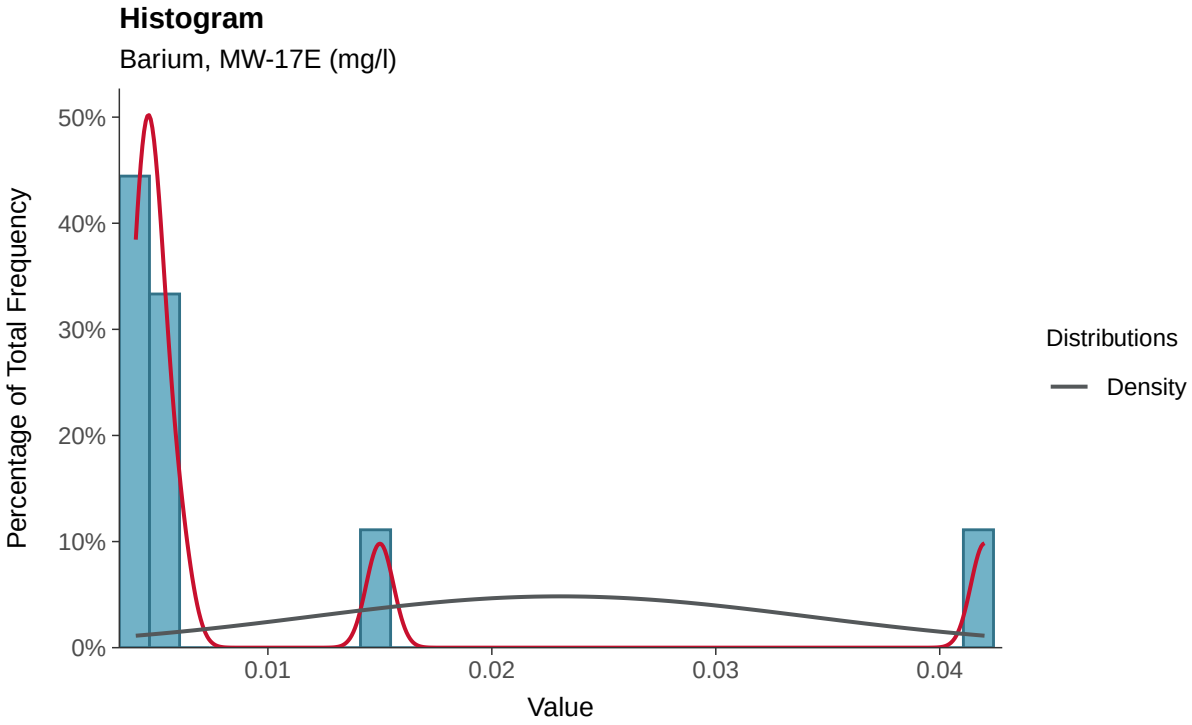



Trend Regression: Piecewise Linear-Linear
Arsenic, MW-17E (mg/l)
Value
0.0020
0.0015
0.0010
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Barium, MW-17E

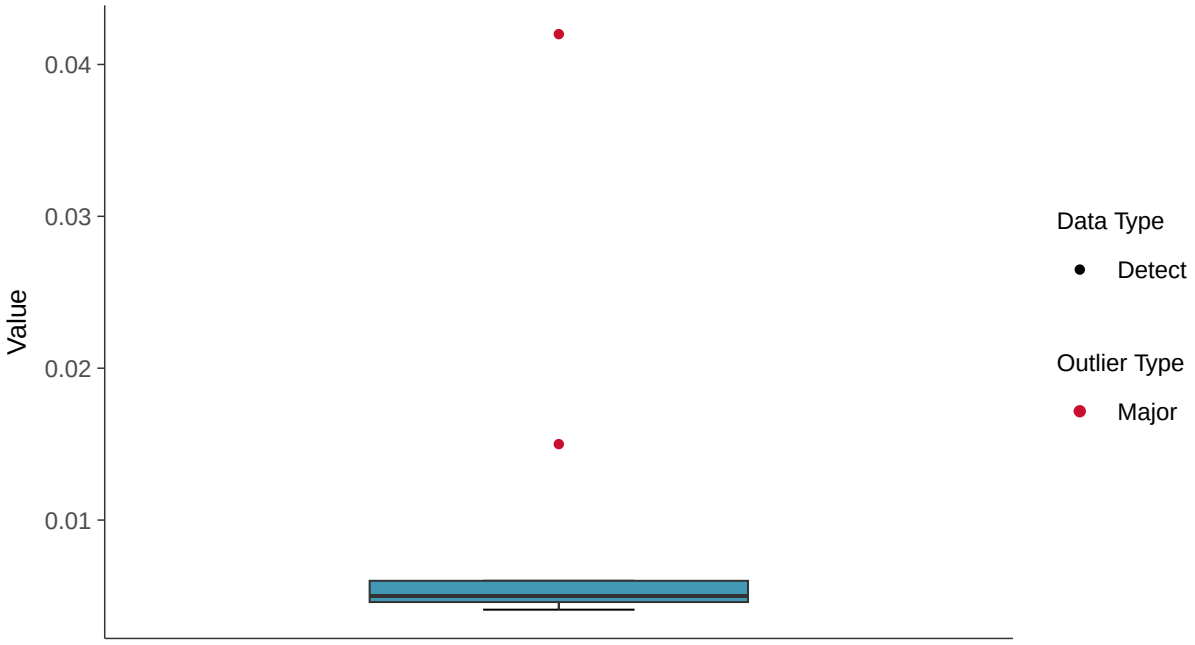
ID: 15_3_103





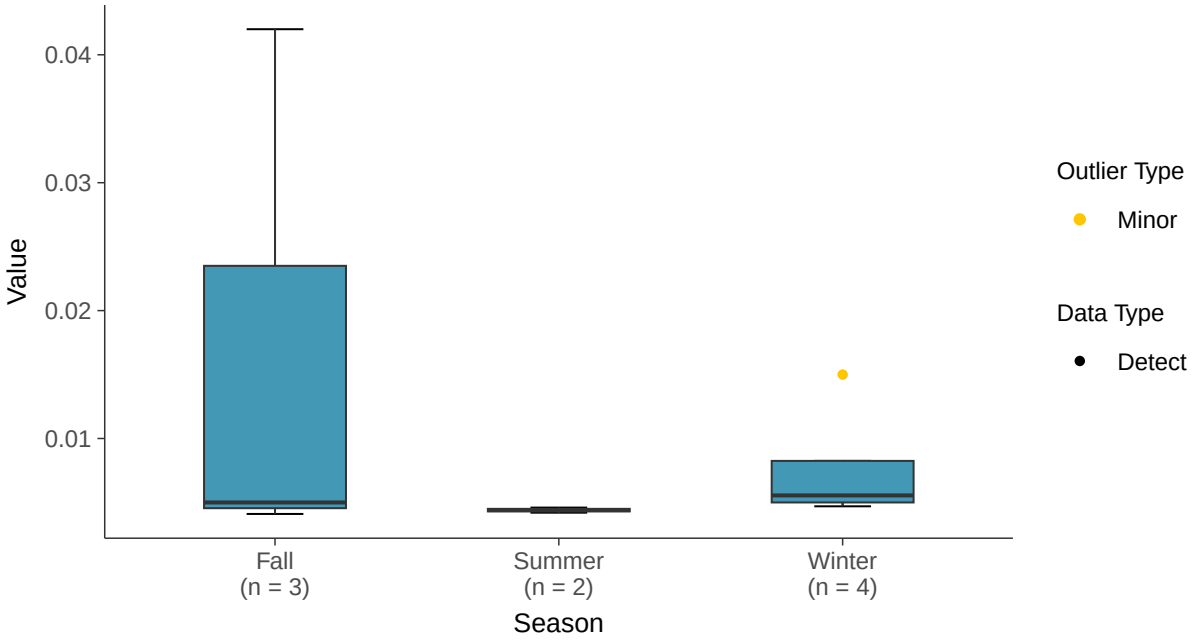
Boxplot

Barium, MW-17E (mg/l)



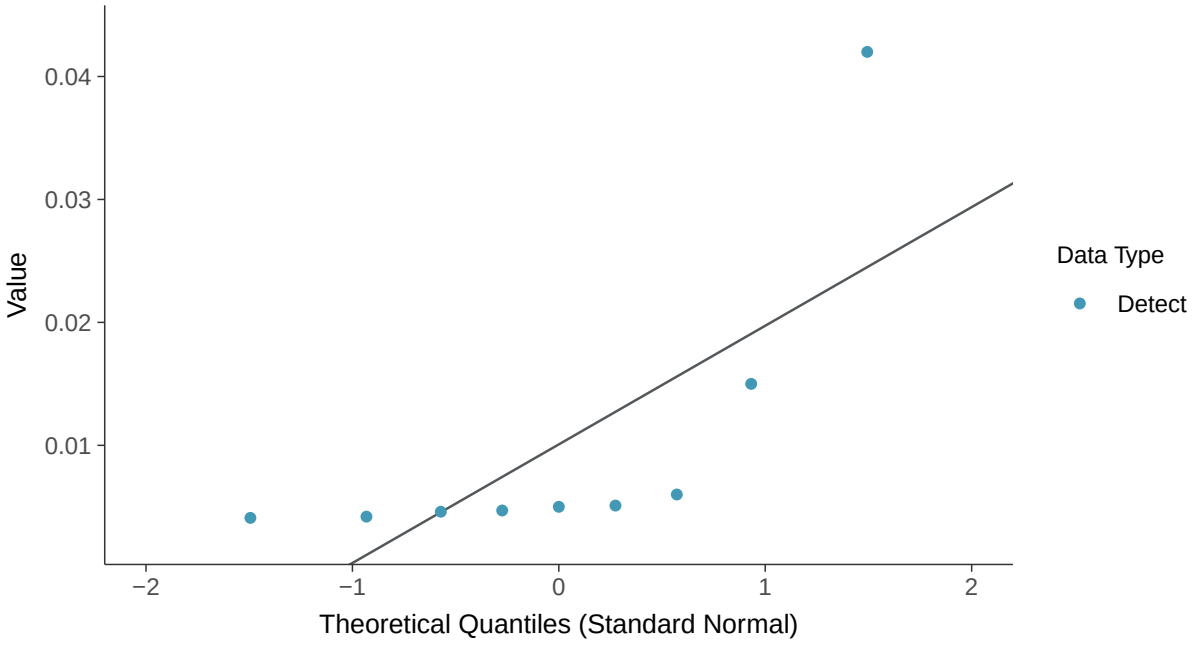
Boxplot by Season

Barium, MW-17E (mg/l)



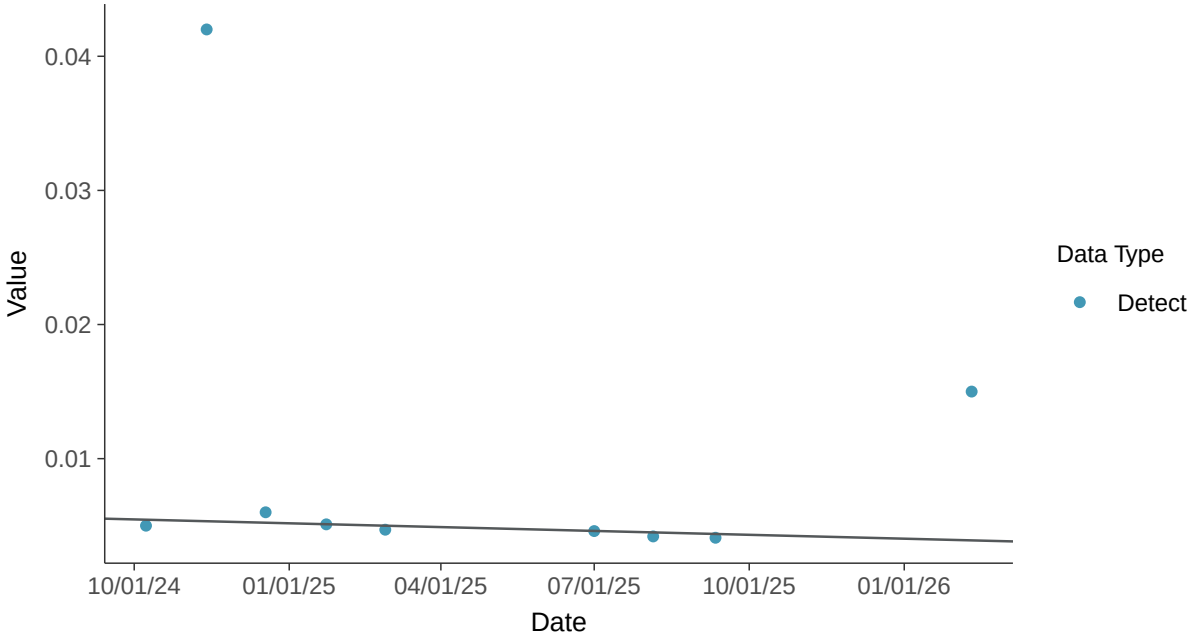
Normal Q-Q plot

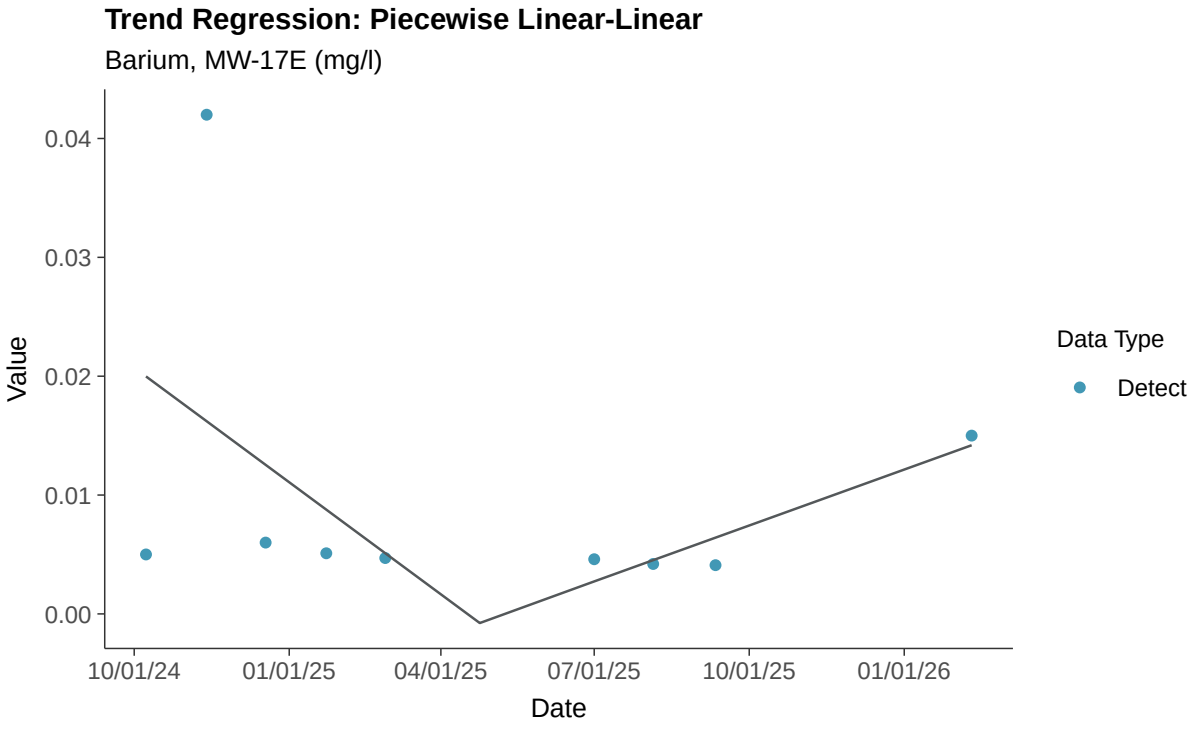
Barium, MW-17E (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

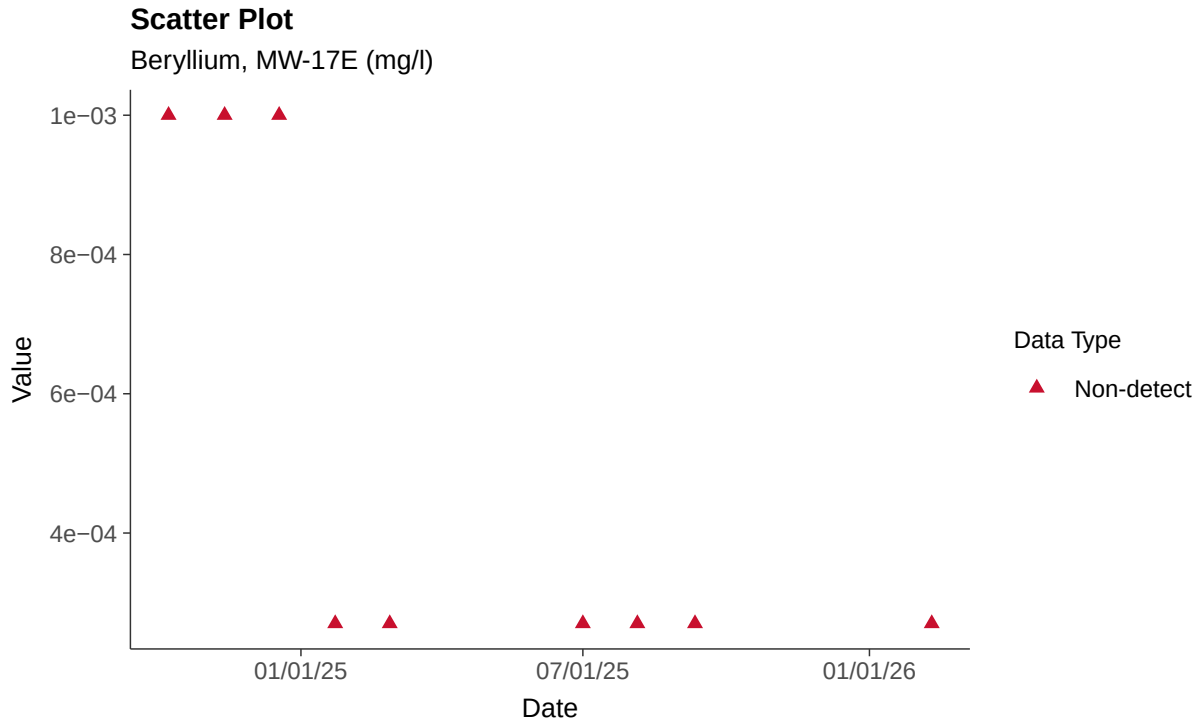
Barium, MW-17E (mg/l)

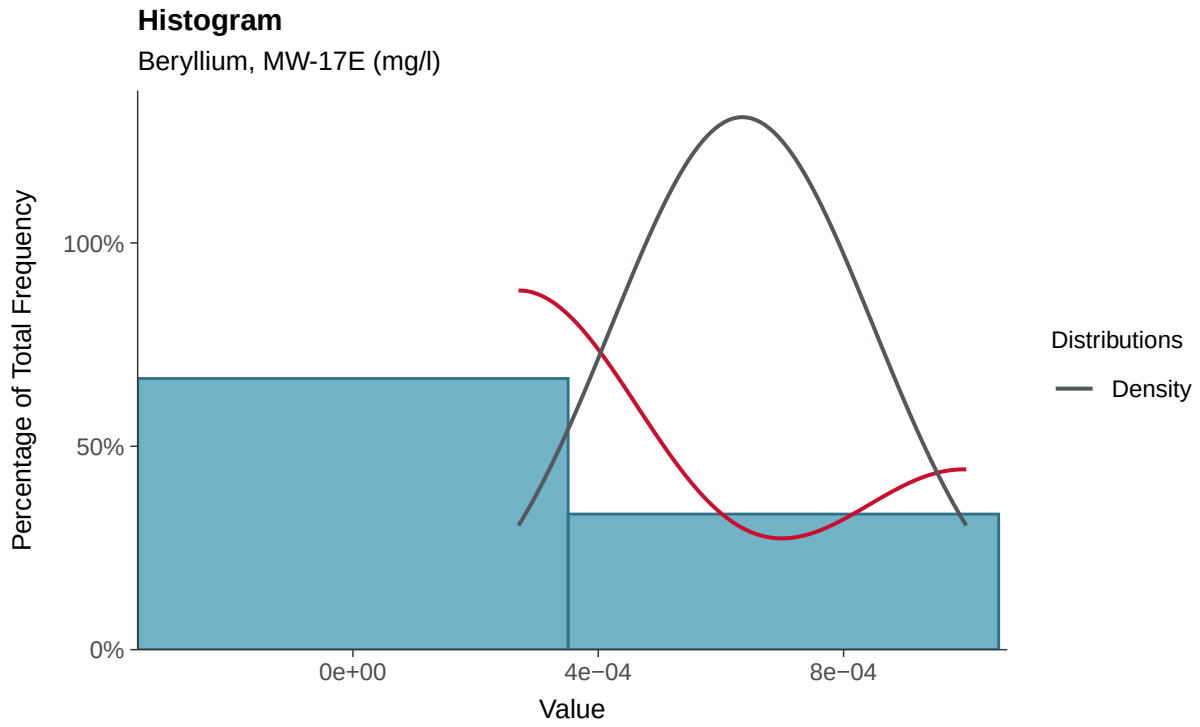



Trend Regression: Piecewise Linear-Linear
Barium, MW-17E (mg/l)
Value
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Beryllium, MW-17E

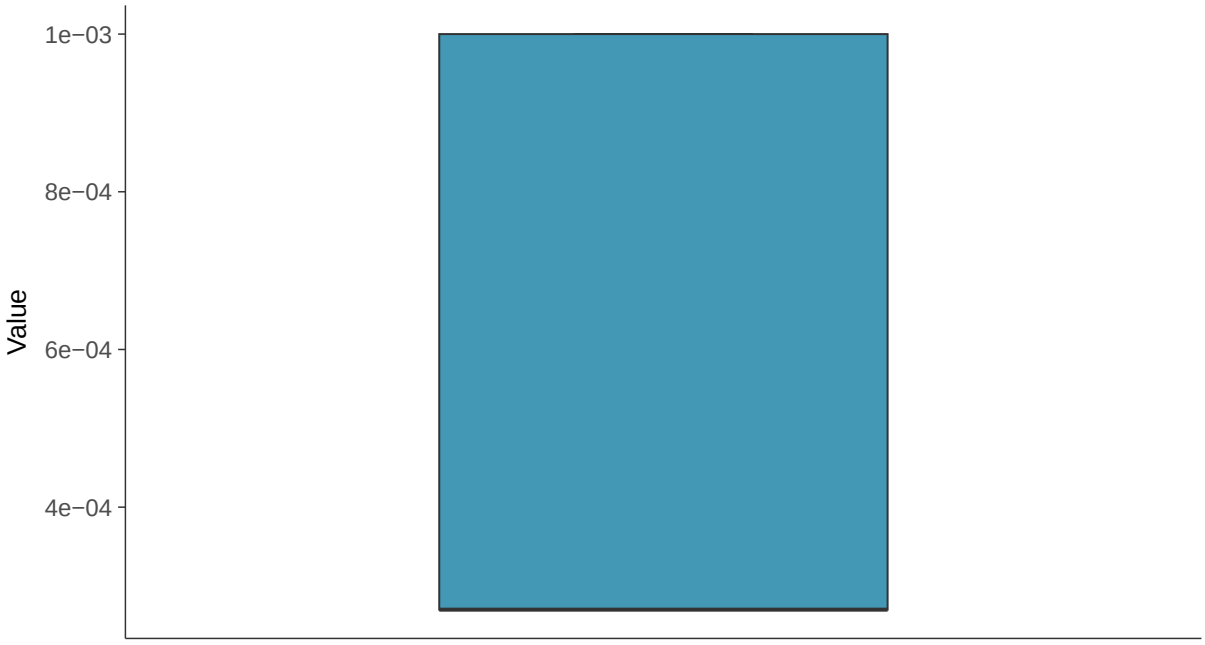
ID: 15_3_104





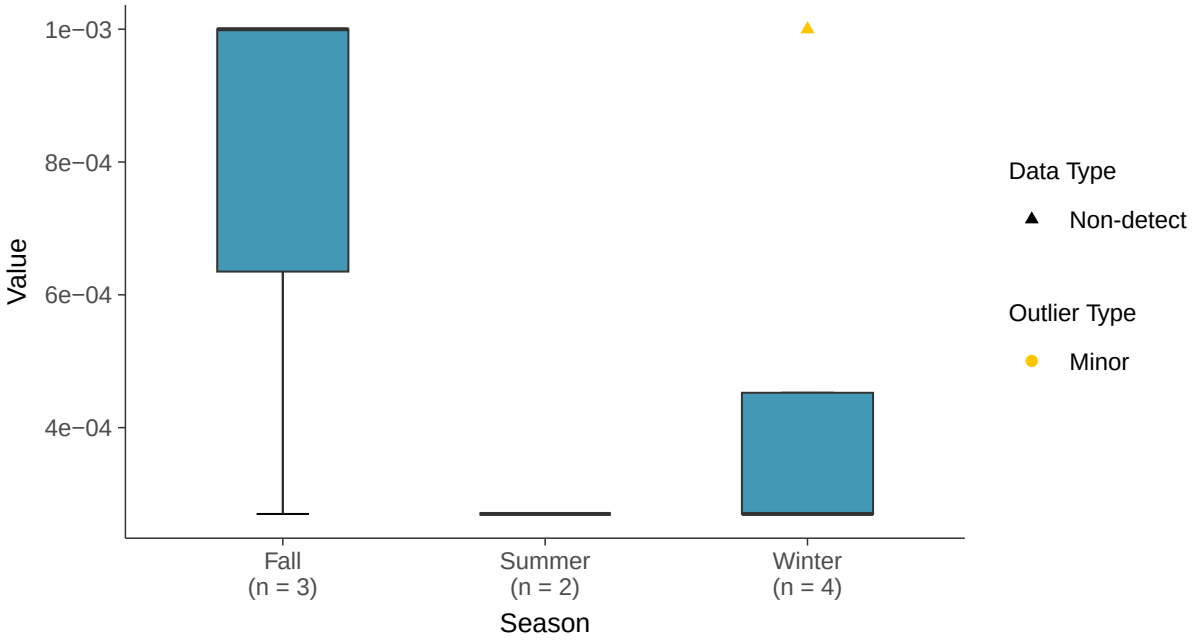
Boxplot

Beryllium, MW-17E (mg/l)



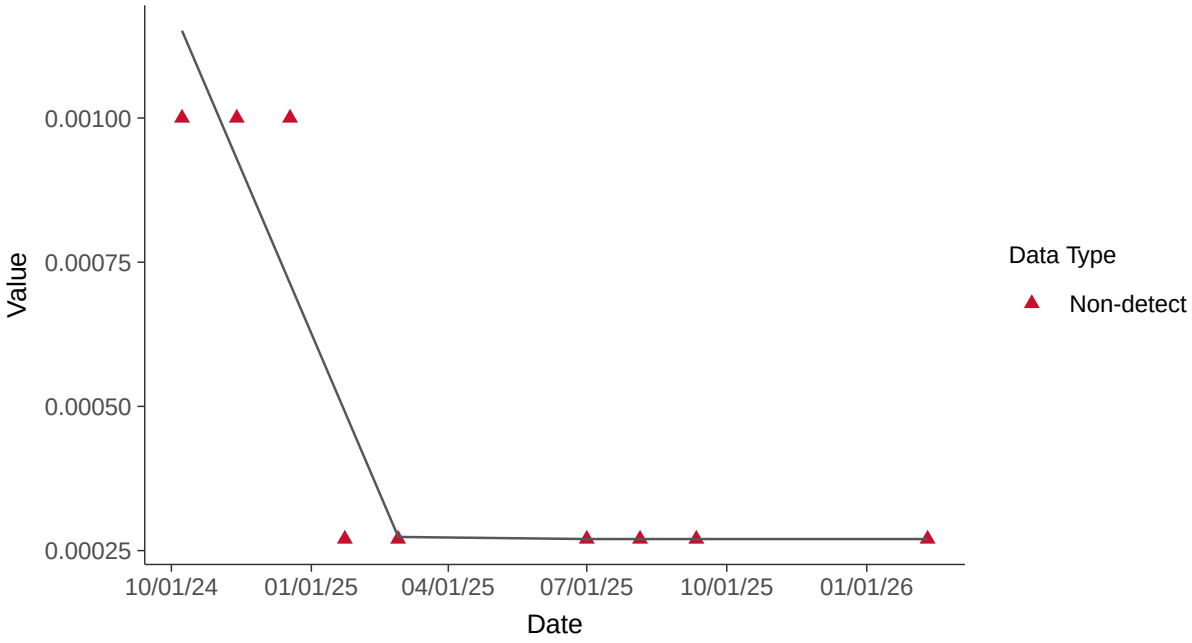
Boxplot by Season

Beryllium, MW-17E (mg/l)



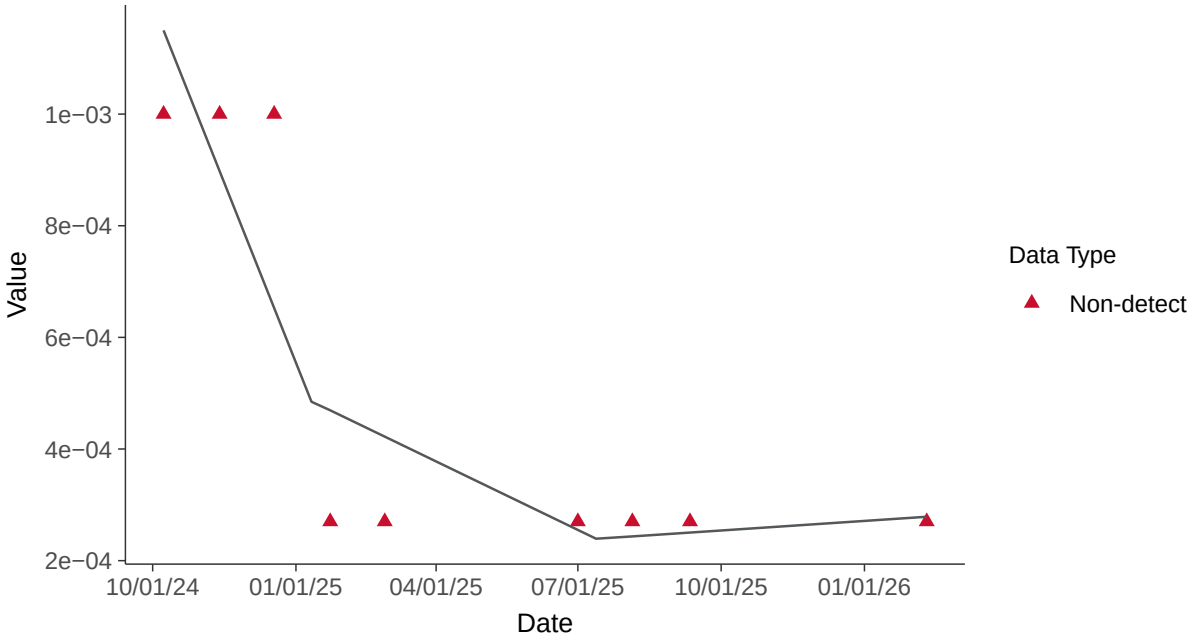
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-17E (mg/l)



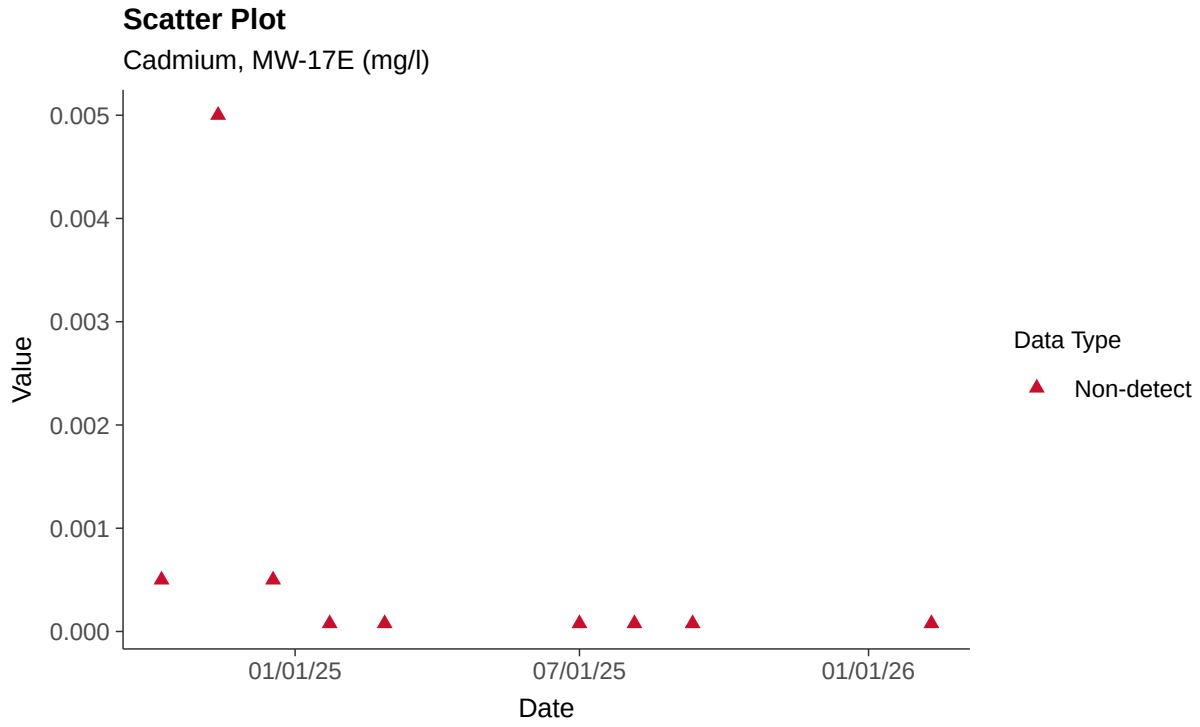
Trend Regression: Piecewise Linear-Linear-Linear

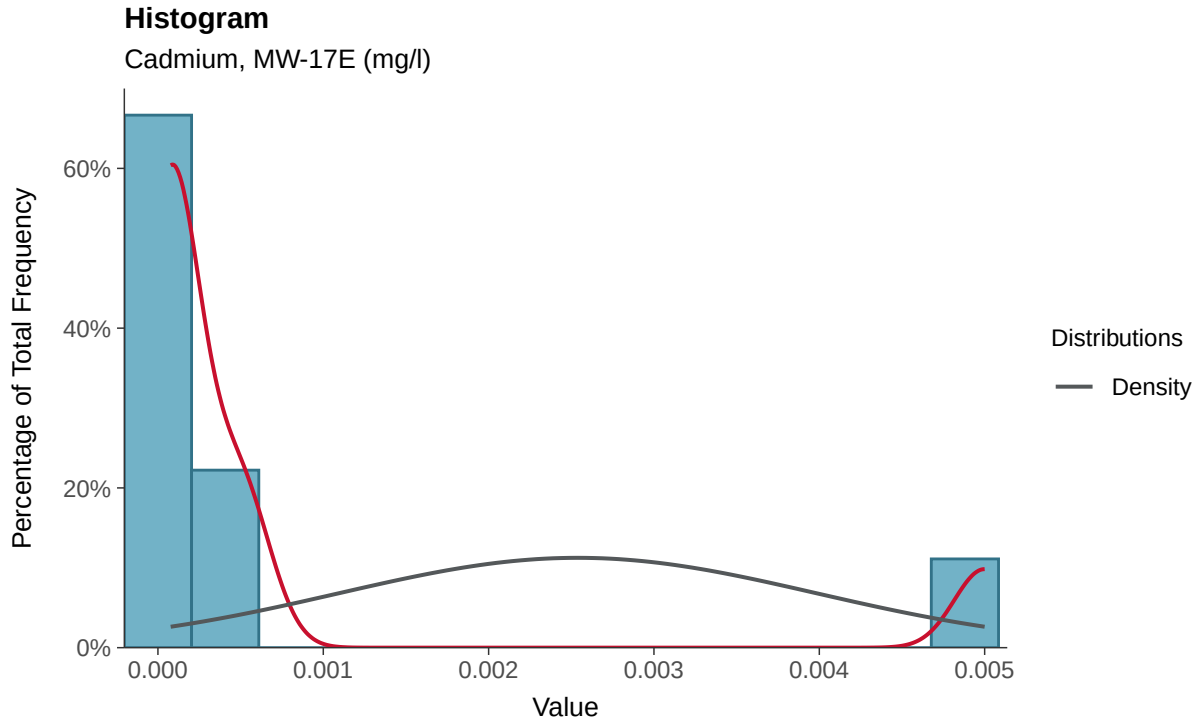
Beryllium, MW-17E (mg/l)



Appendix IV: Cadmium, MW-17E

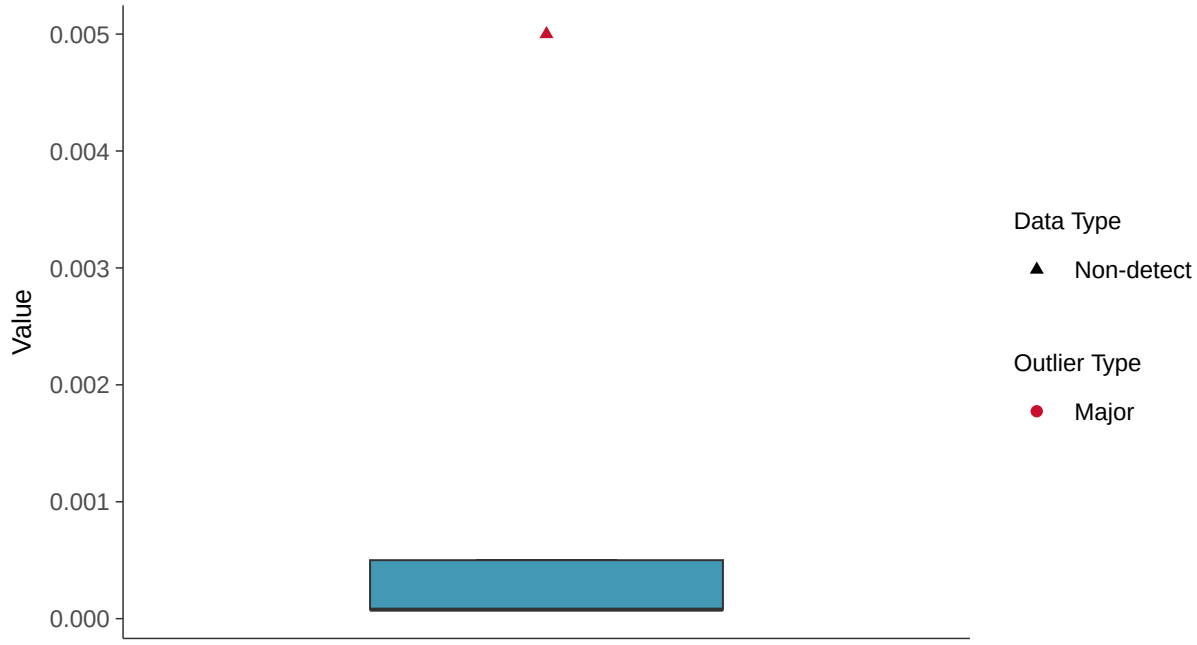
ID: 15_3_106





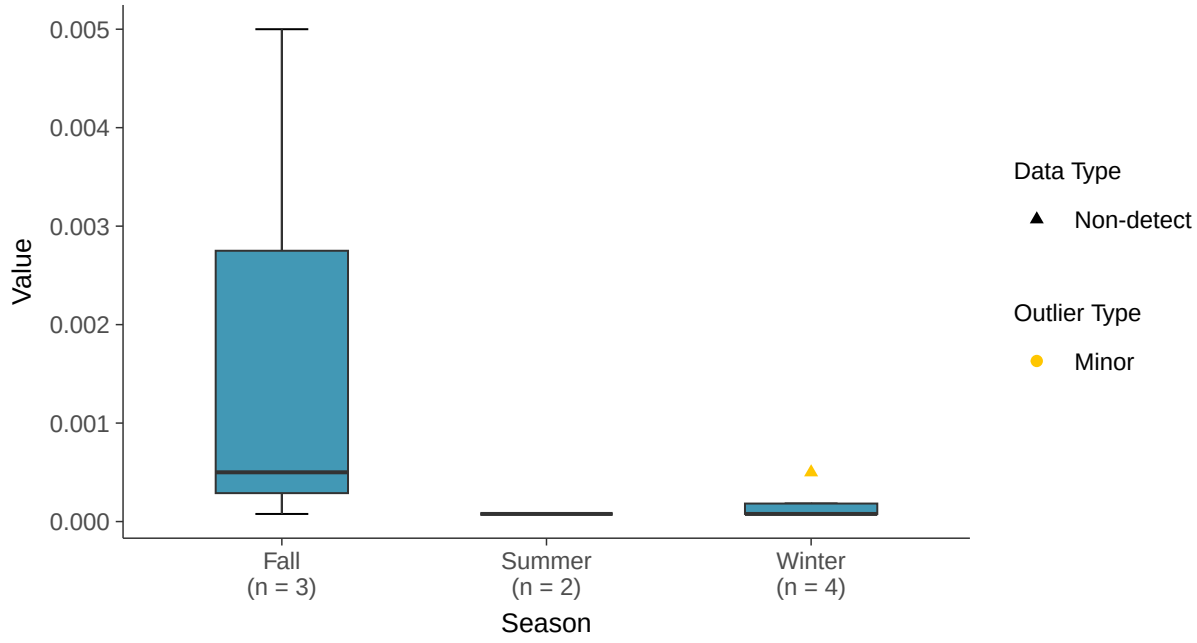
Boxplot

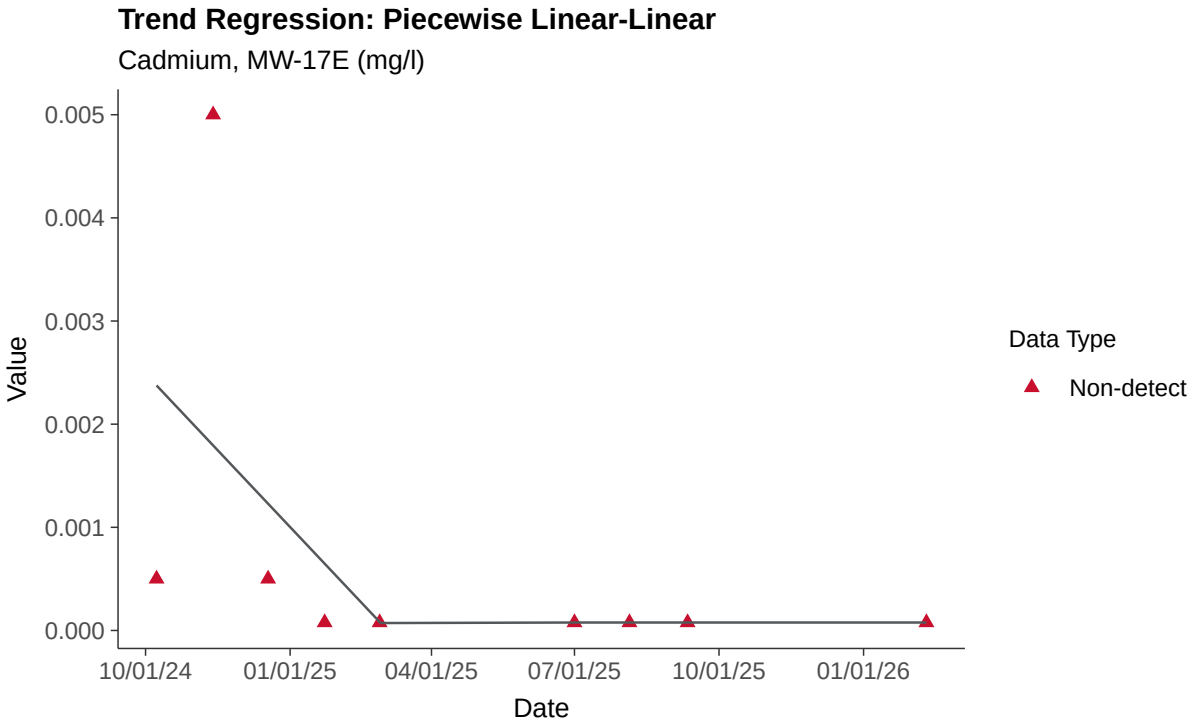
Cadmium, MW-17E (mg/l)



Boxplot by Season

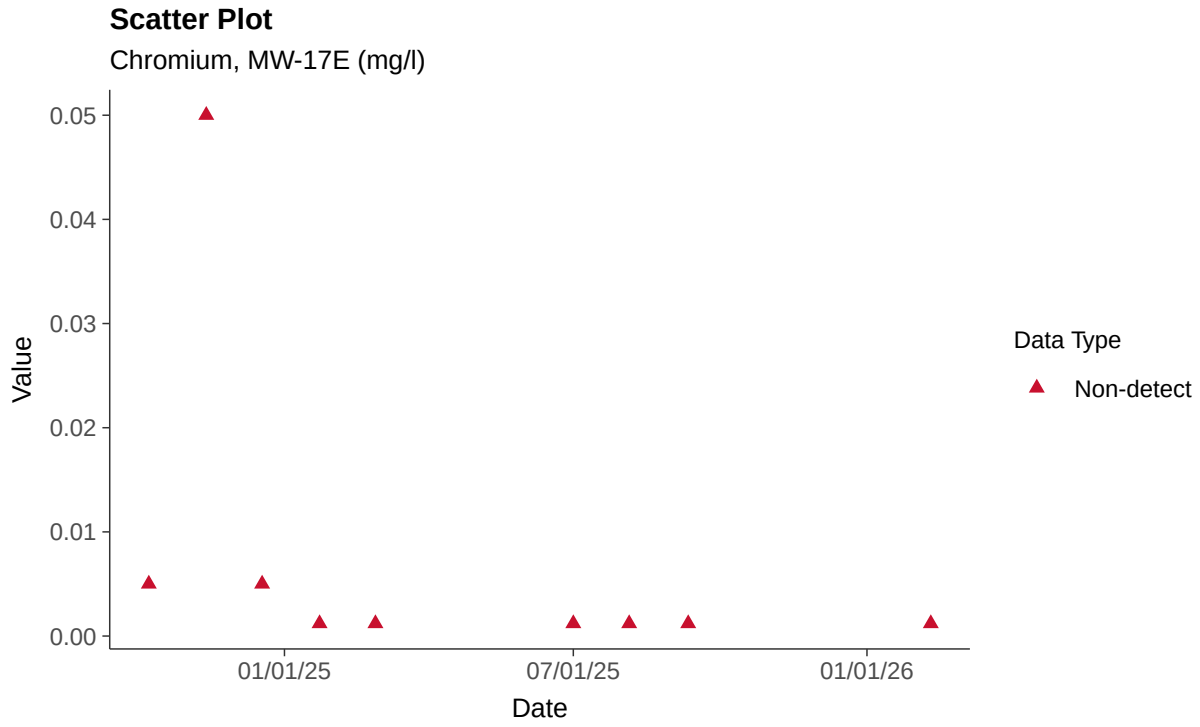
Cadmium, MW-17E (mg/l)

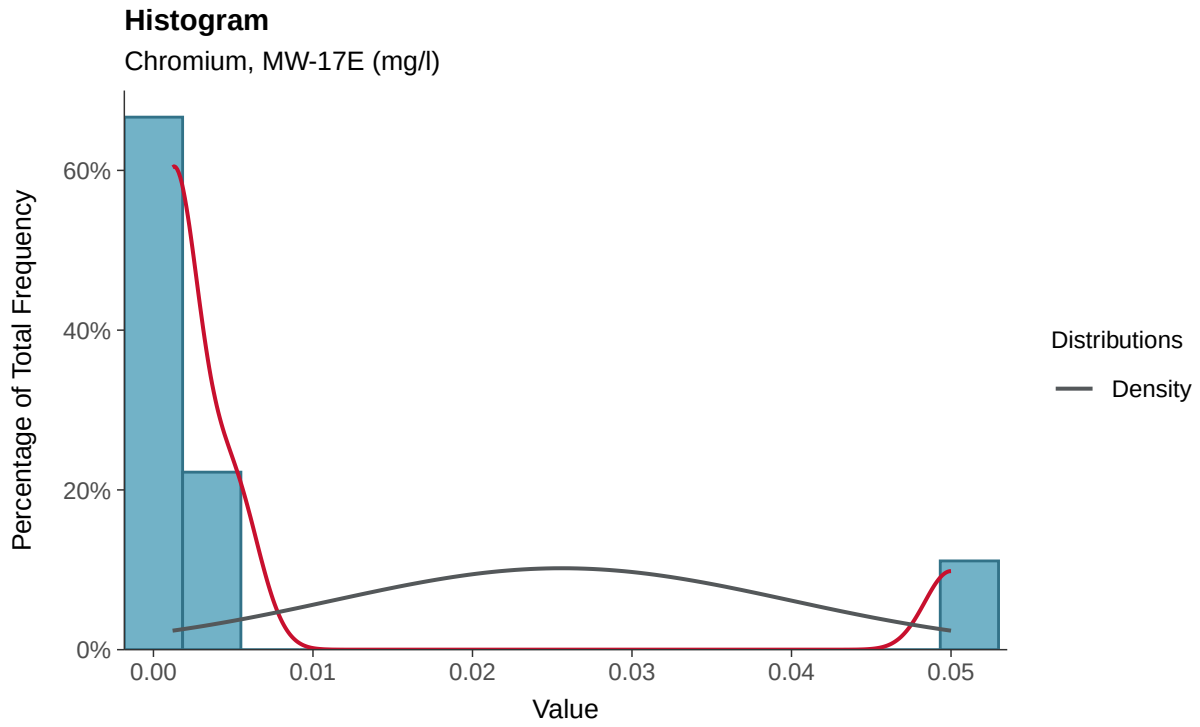



Trend Regression: Piecewise Linear-Linear
Cadmium, MW-17E (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Chromium, MW-17E

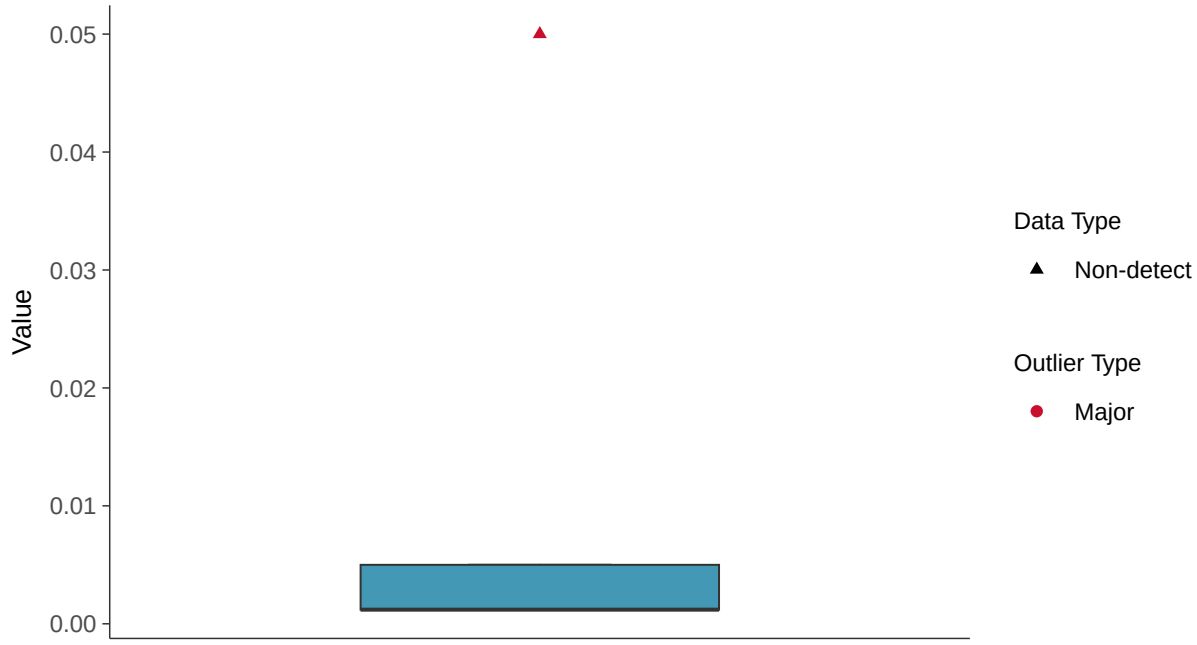
ID: 15_3_109





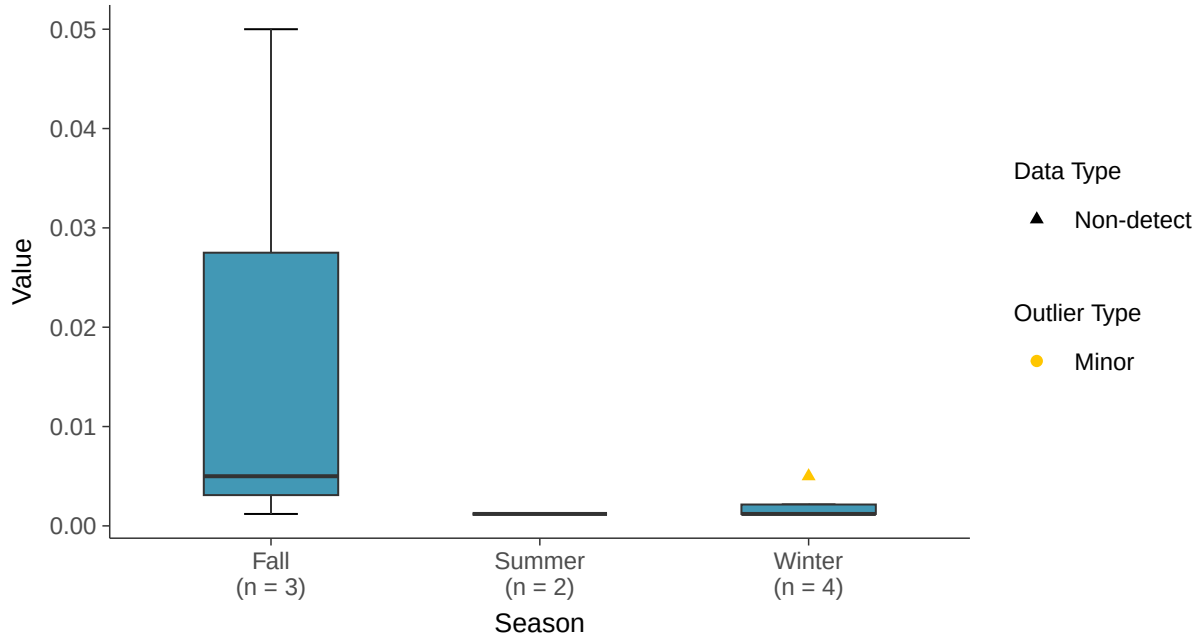
Boxplot

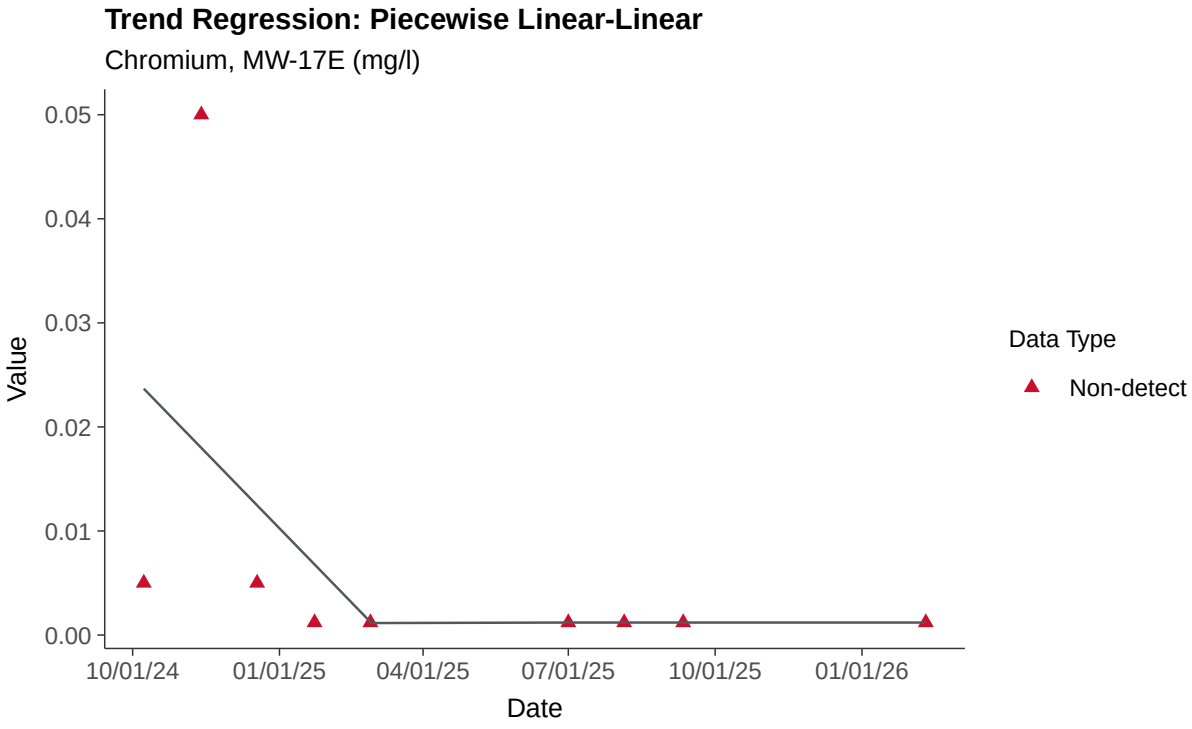
Chromium, MW-17E (mg/l)



Boxplot by Season

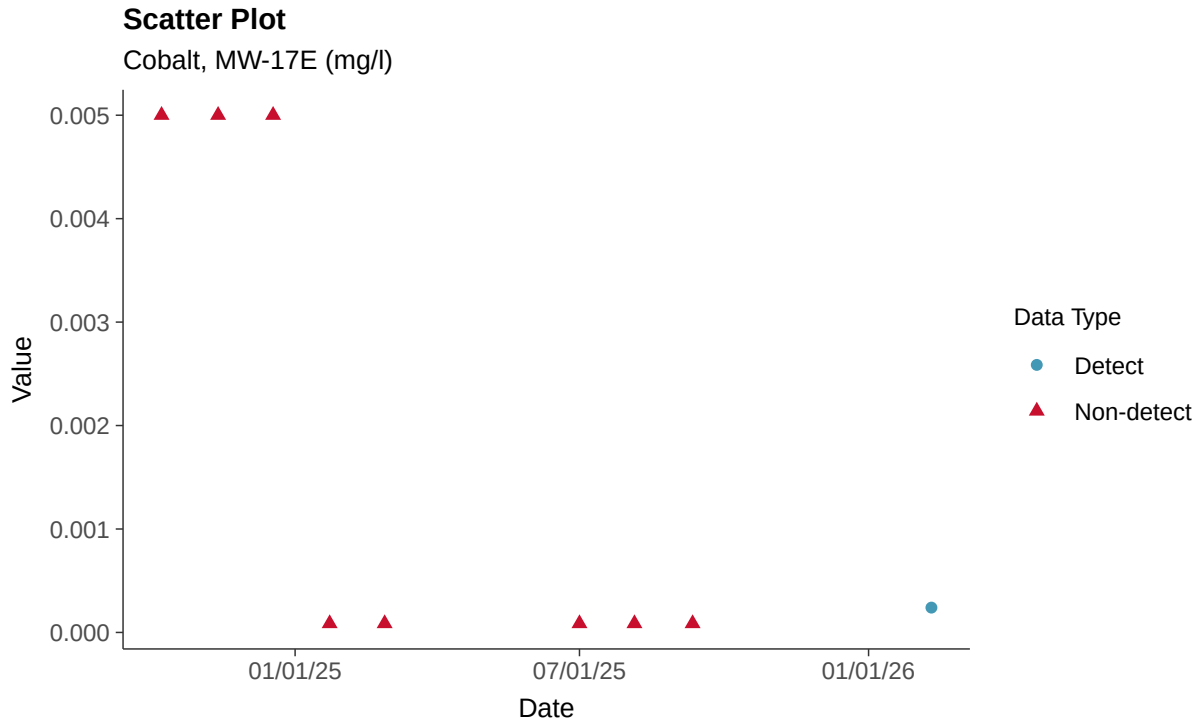
Chromium, MW-17E (mg/l)

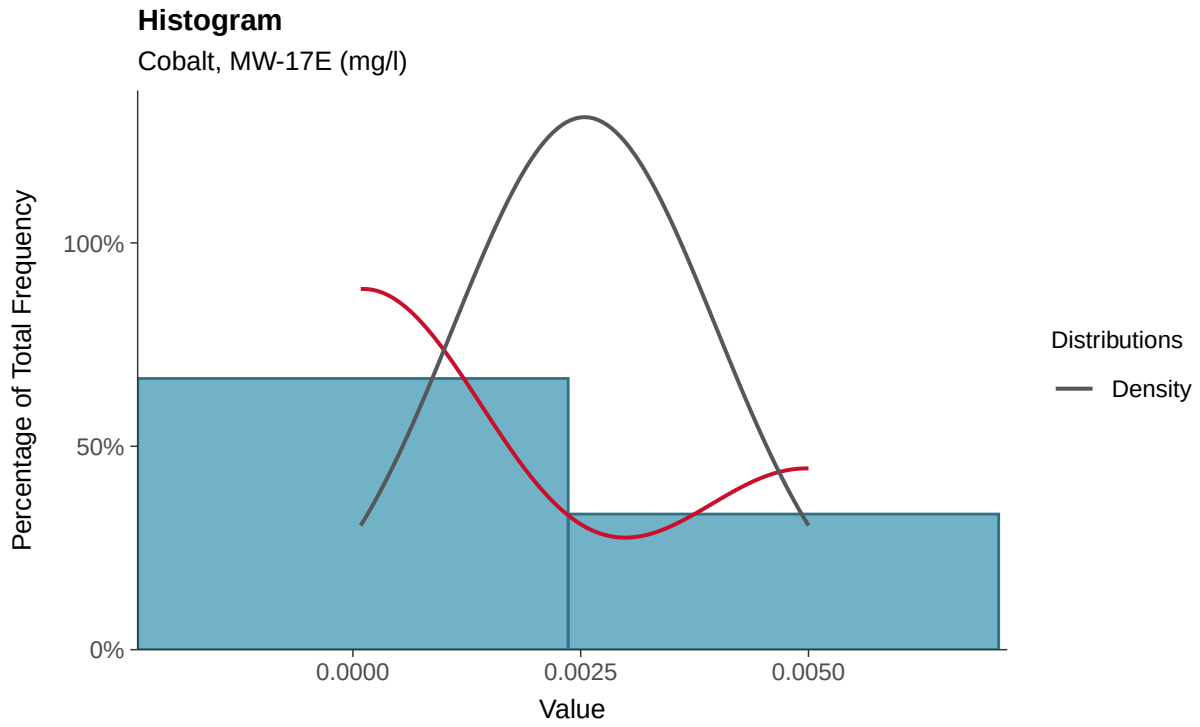



Trend Regression: Piecewise Linear-Linear
Chromium, MW-17E (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cobalt, MW-17E

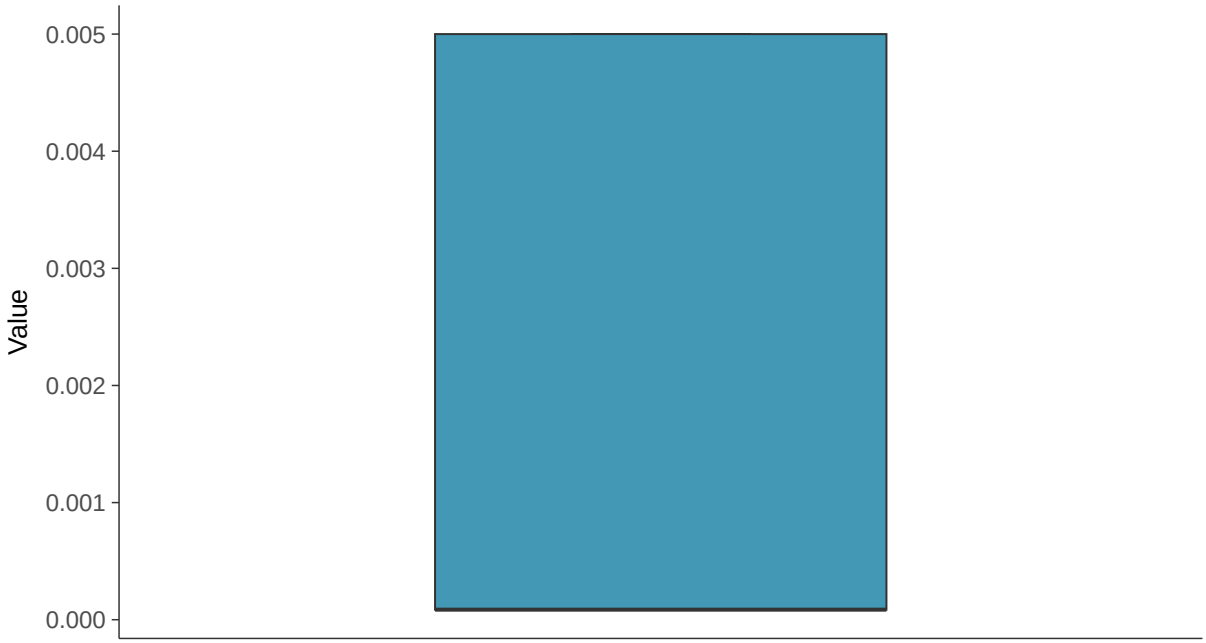
ID: 15_3_110





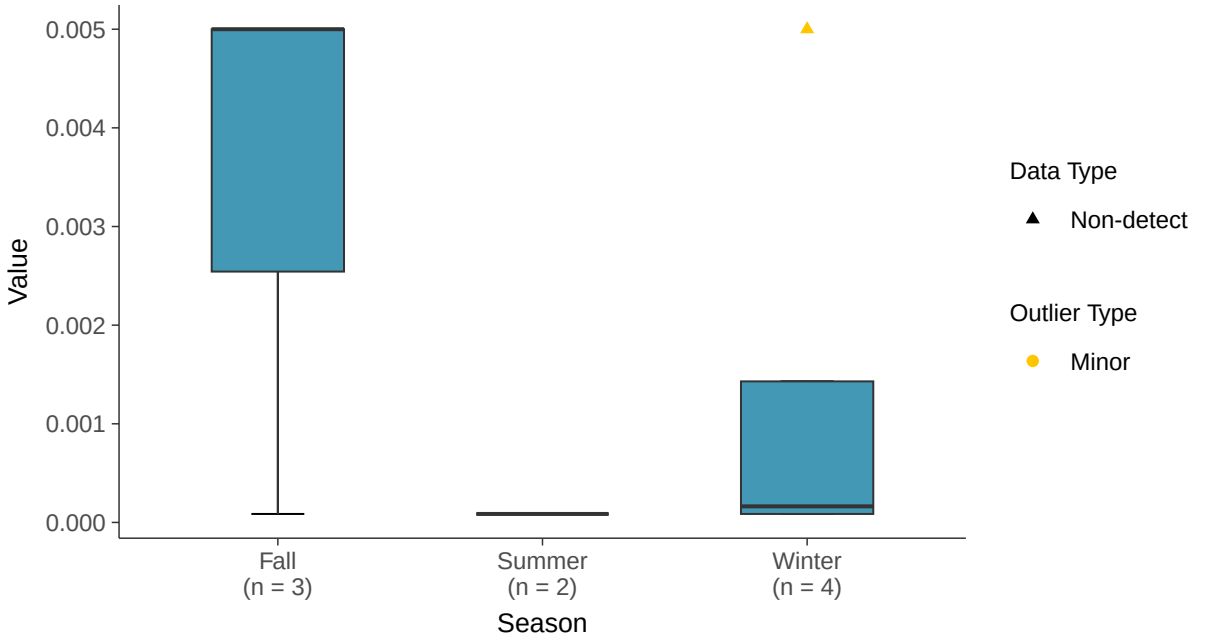
Boxplot

Cobalt, MW-17E (mg/l)



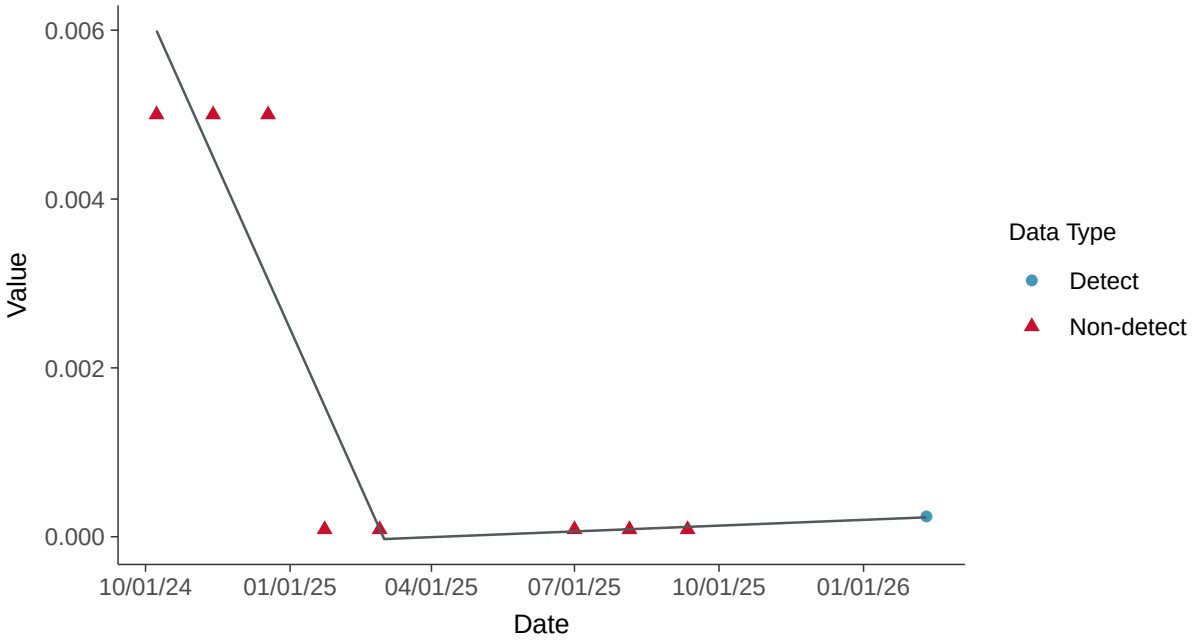
Boxplot by Season

Cobalt, MW-17E (mg/l)



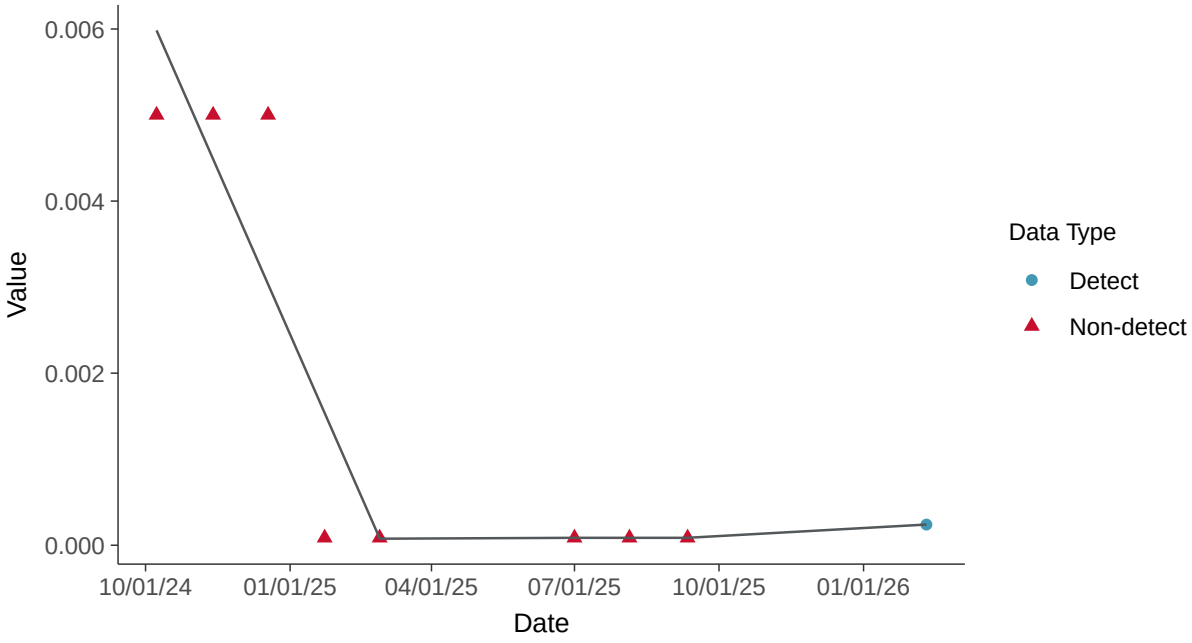
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-17E (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Cobalt, MW-17E (mg/l)

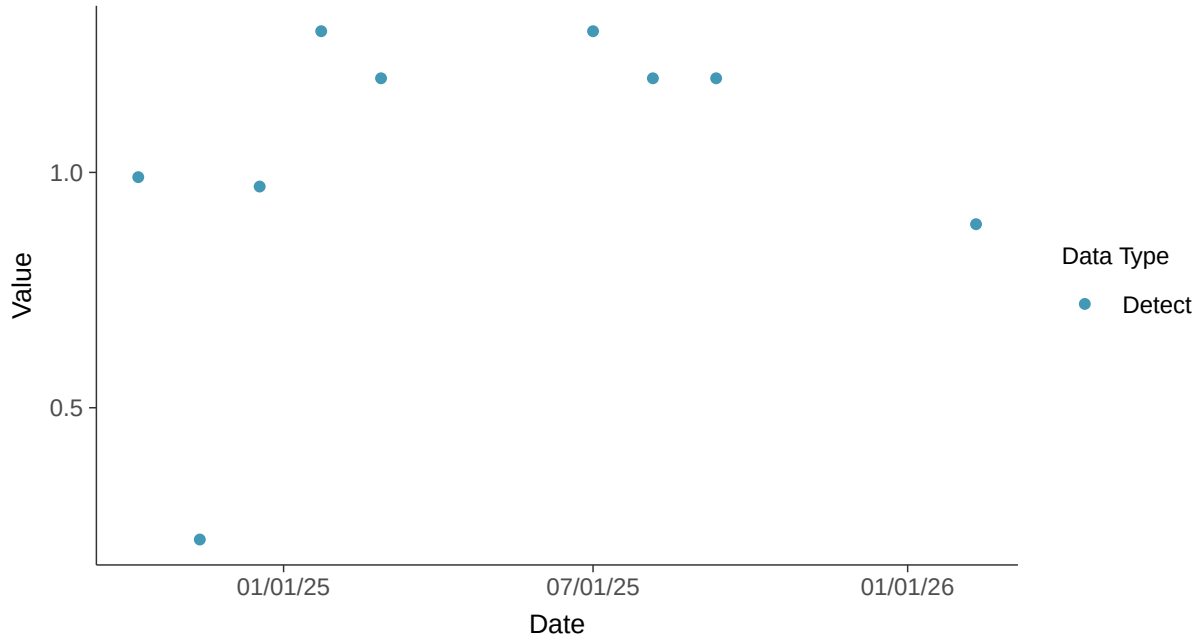


Appendix IV: Fluoride (App IV), MW-17E

ID: 15_3_113

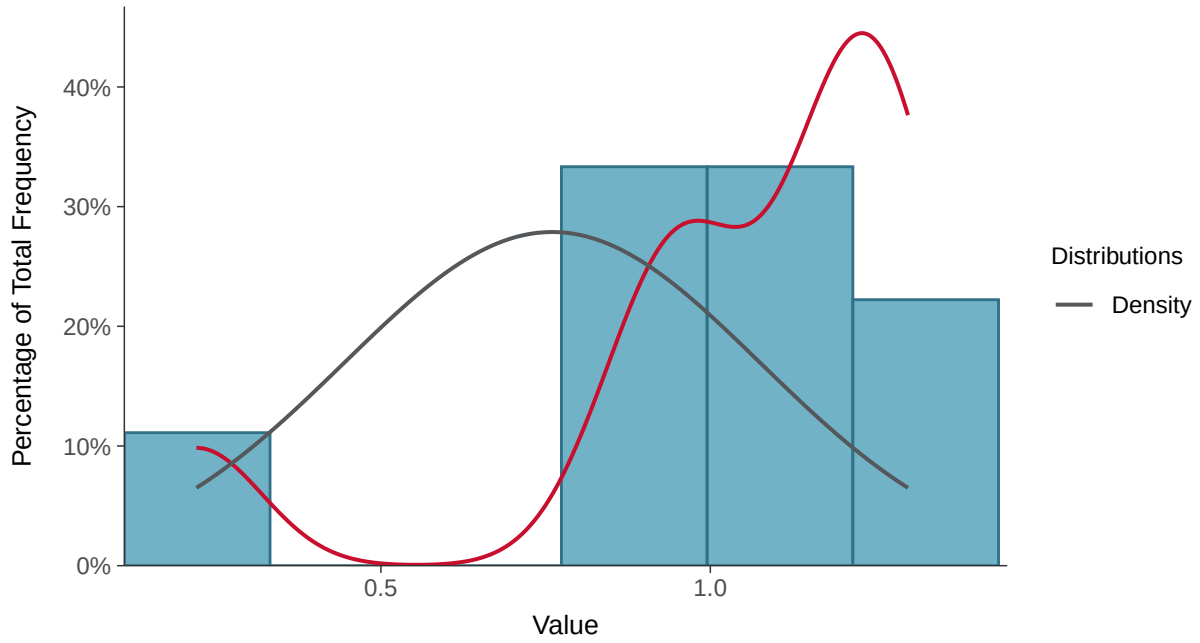
Scatter Plot

Fluoride (App IV), MW-17E (mg/l)



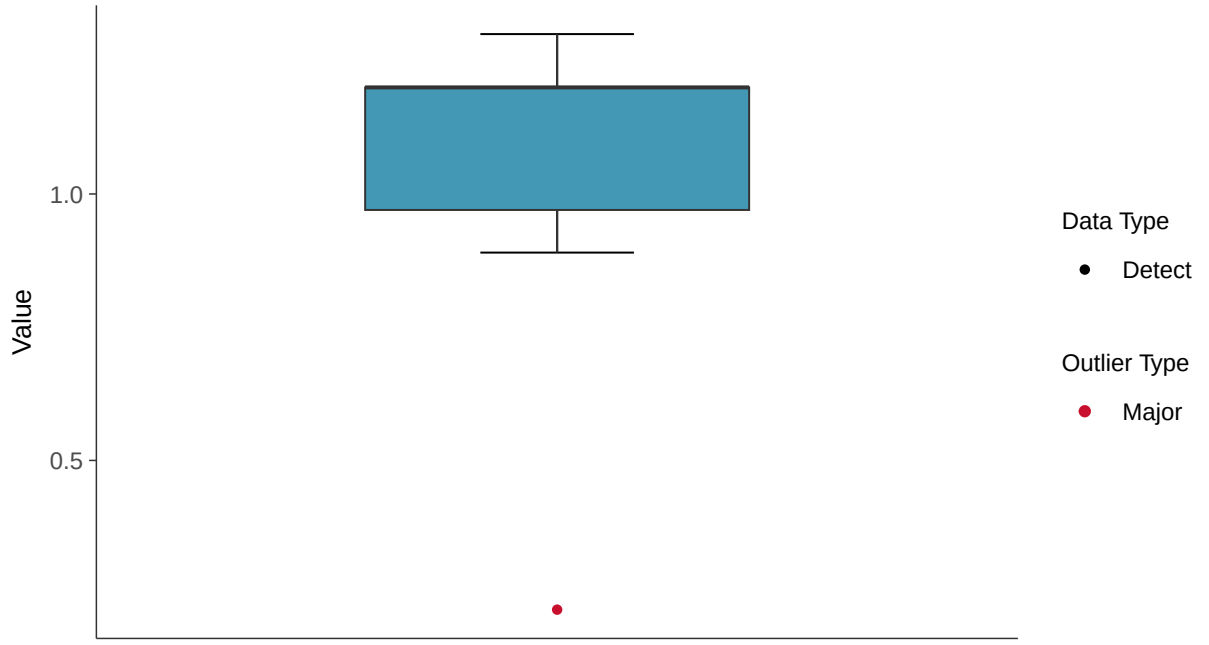
Histogram

Fluoride (App IV), MW-17E (mg/l)



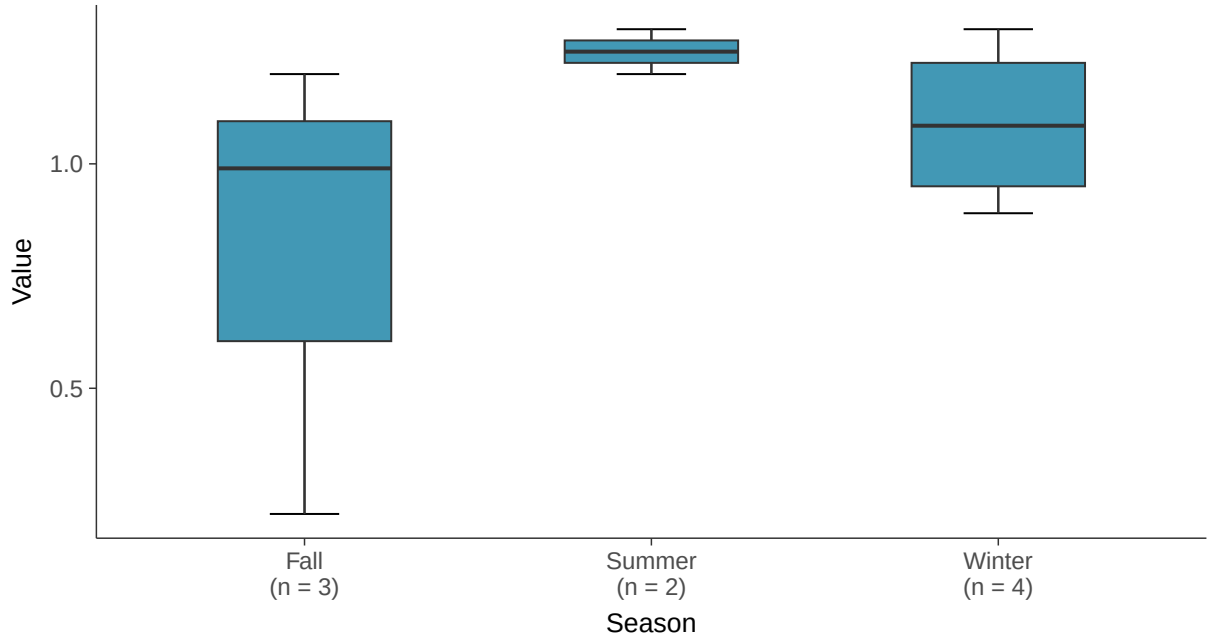
Boxplot

Fluoride (App IV), MW-17E (mg/l)



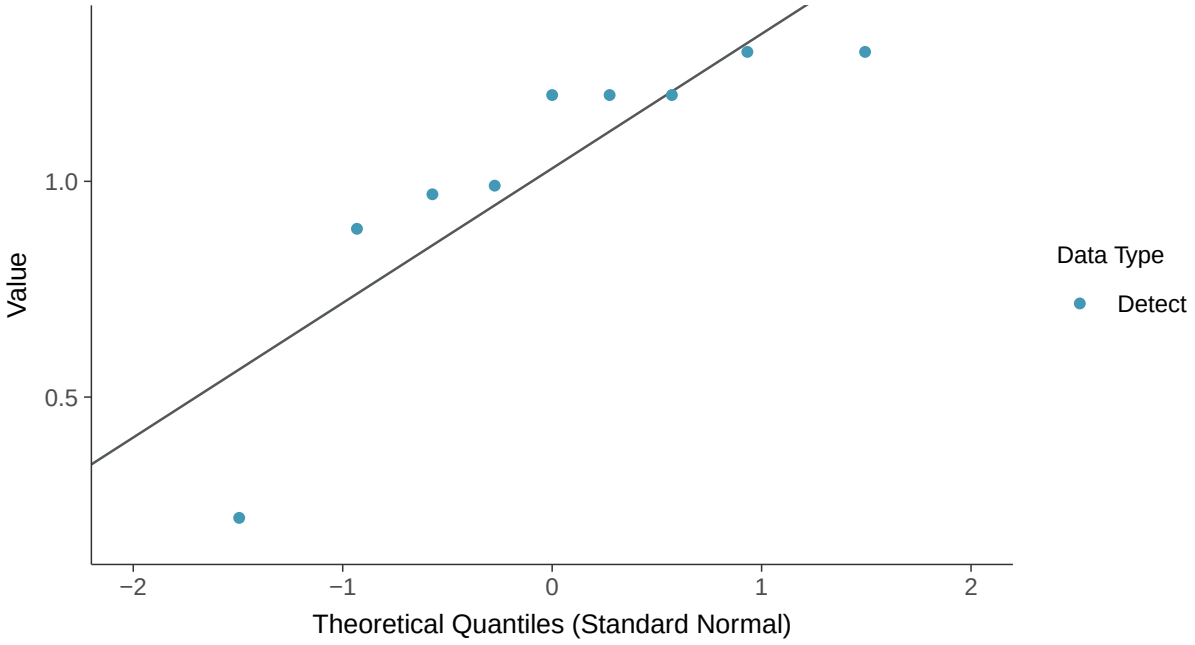
Boxplot by Season

Fluoride (App IV), MW-17E (mg/l)



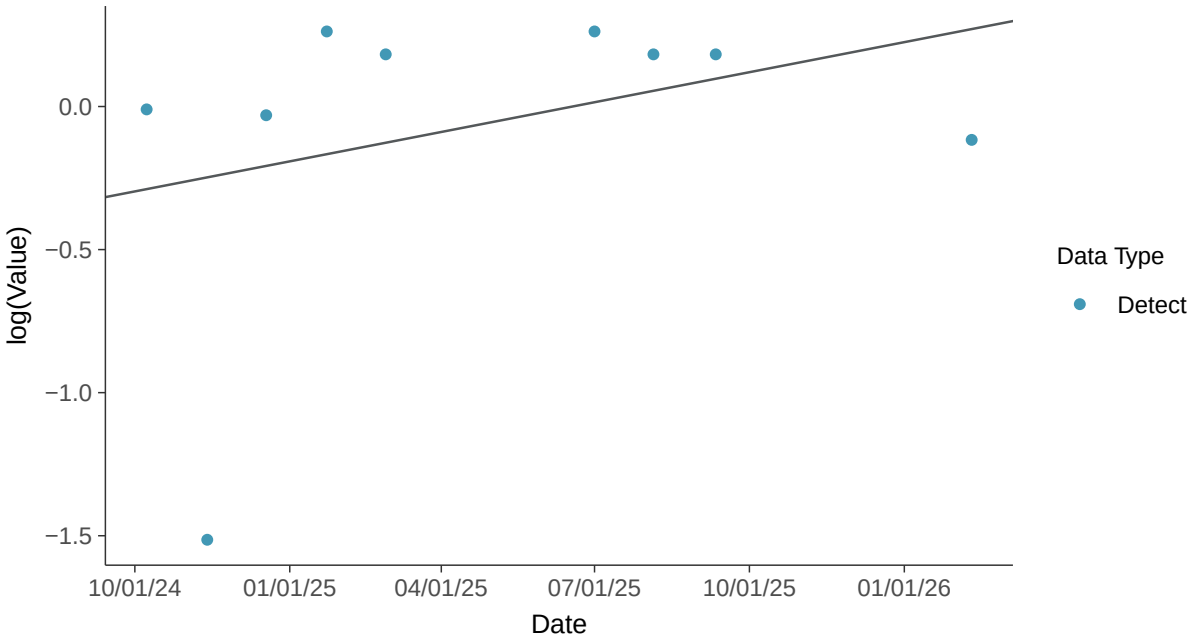
Normal Q-Q plot

Fluoride (App IV), MW-17E (mg/l)



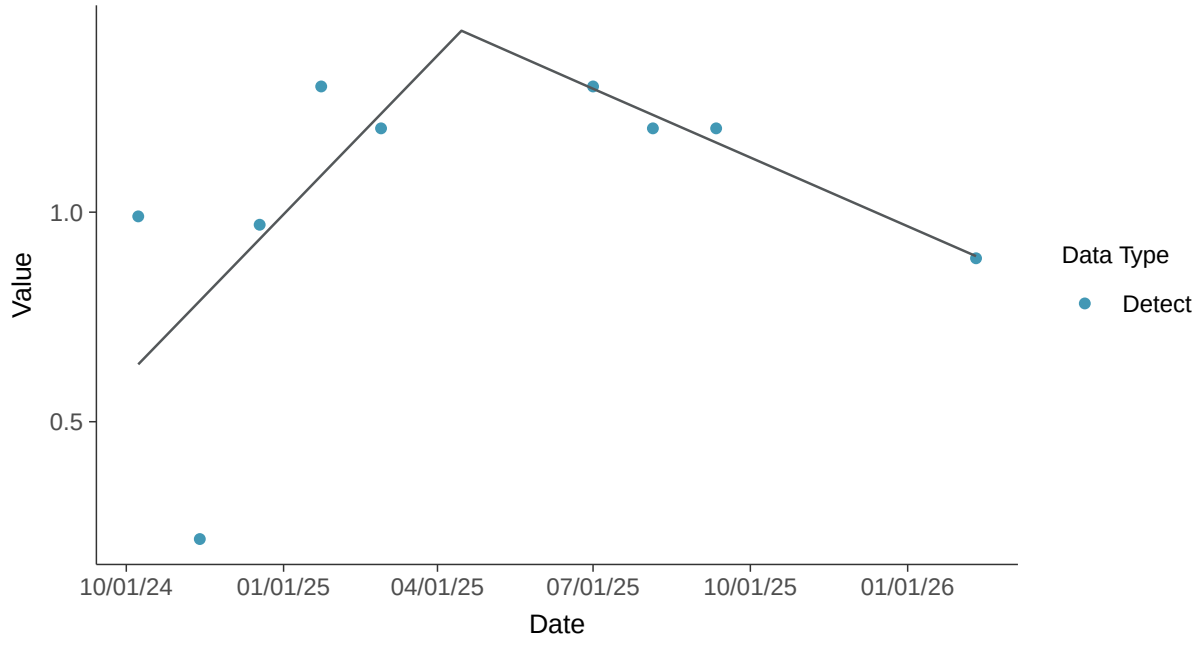
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-17E (mg/l)



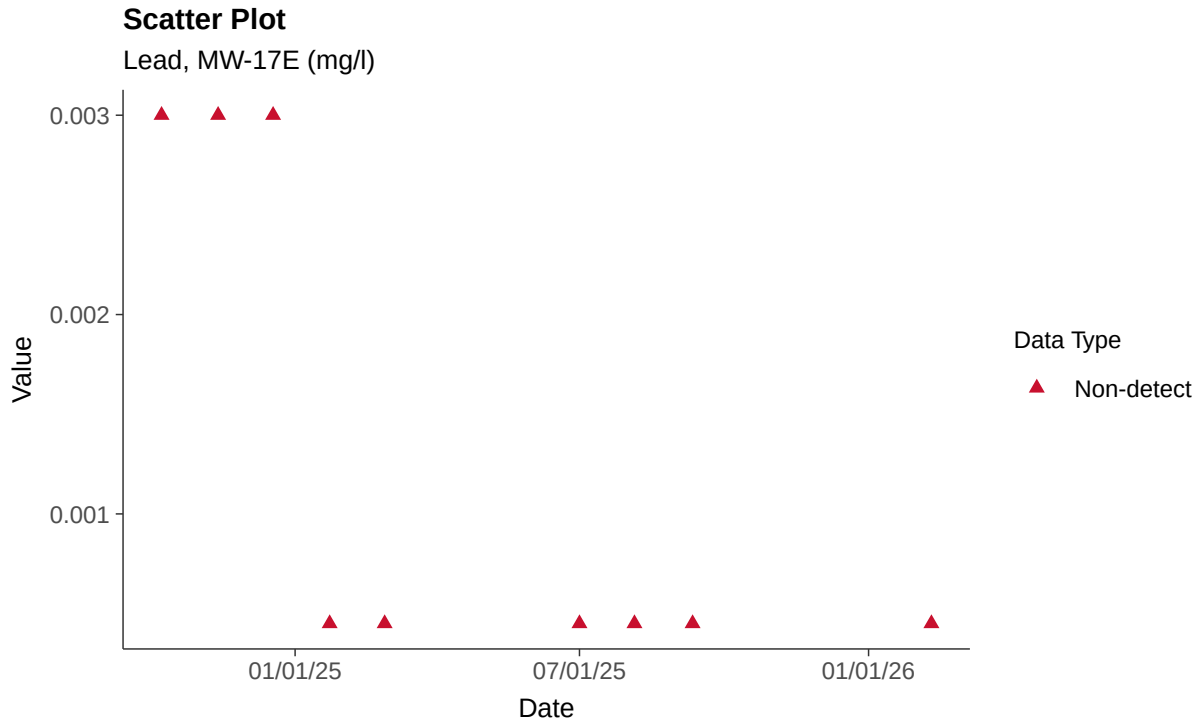
Trend Regression: Piecewise Linear-Linear

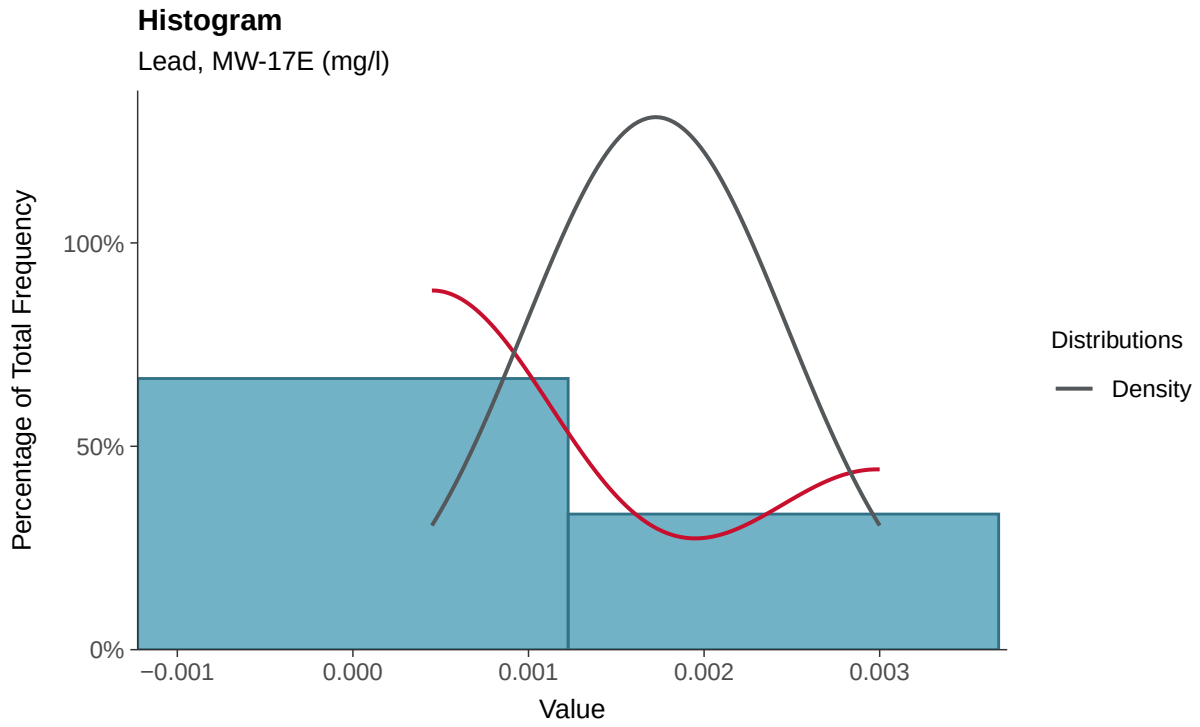
Fluoride (App IV), MW-17E (mg/l)



Appendix IV: Lead, MW-17E

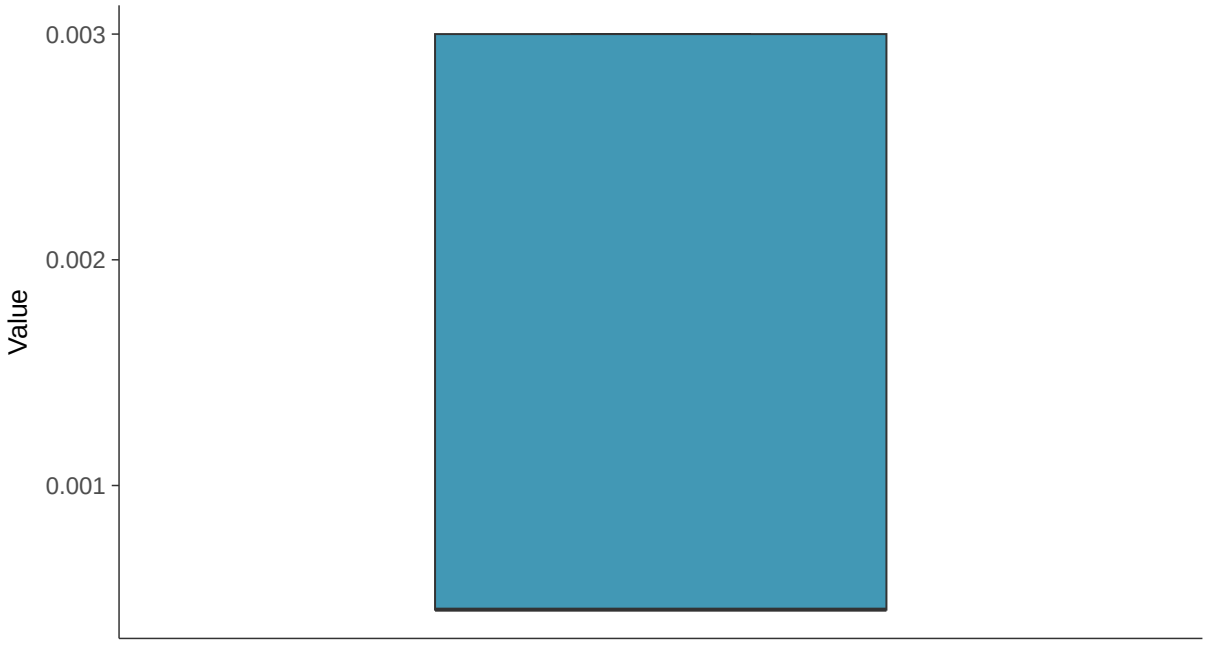
ID: 15_3_115





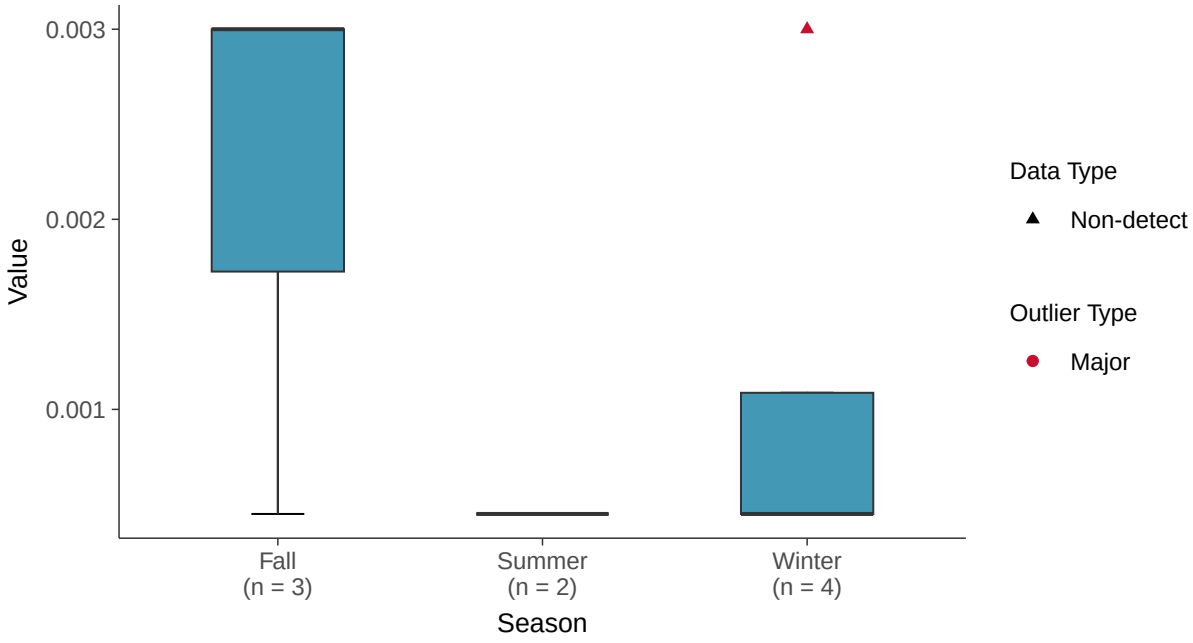
Boxplot

Lead, MW-17E (mg/l)



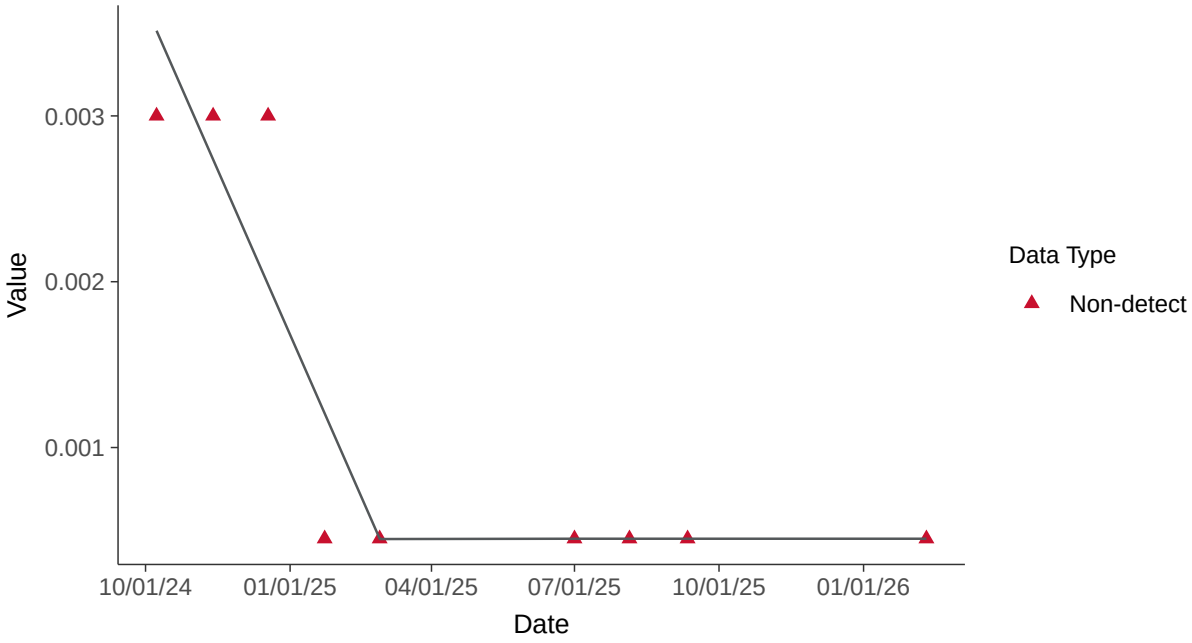
Boxplot by Season

Lead, MW-17E (mg/l)



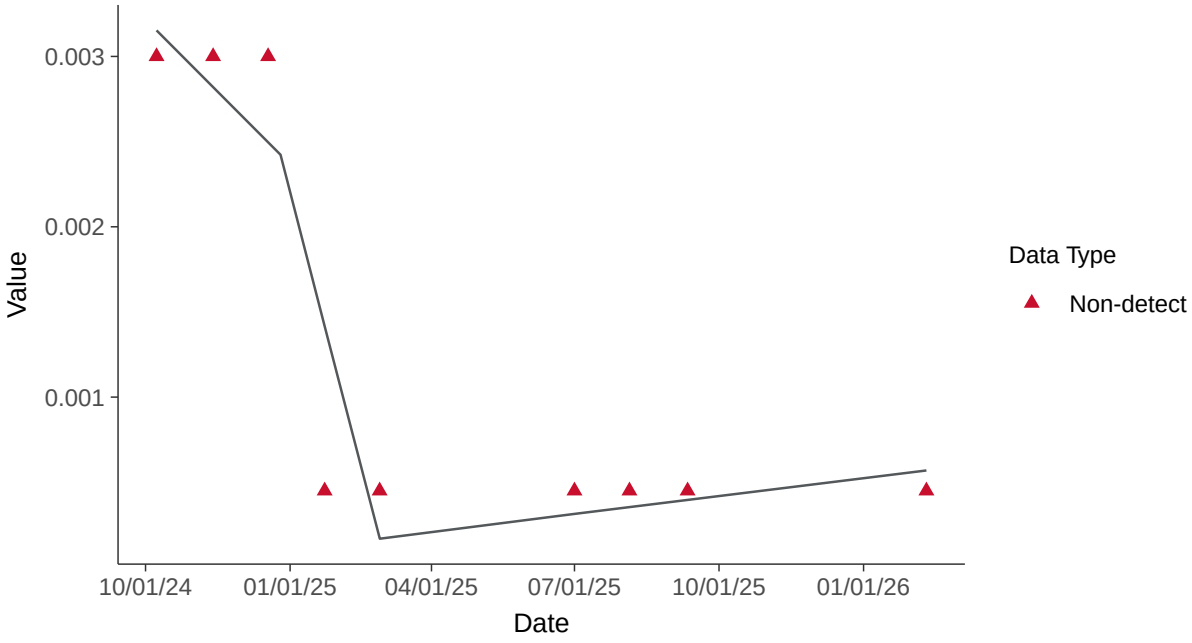
Trend Regression: Piecewise Linear-Linear

Lead, MW-17E (mg/l)



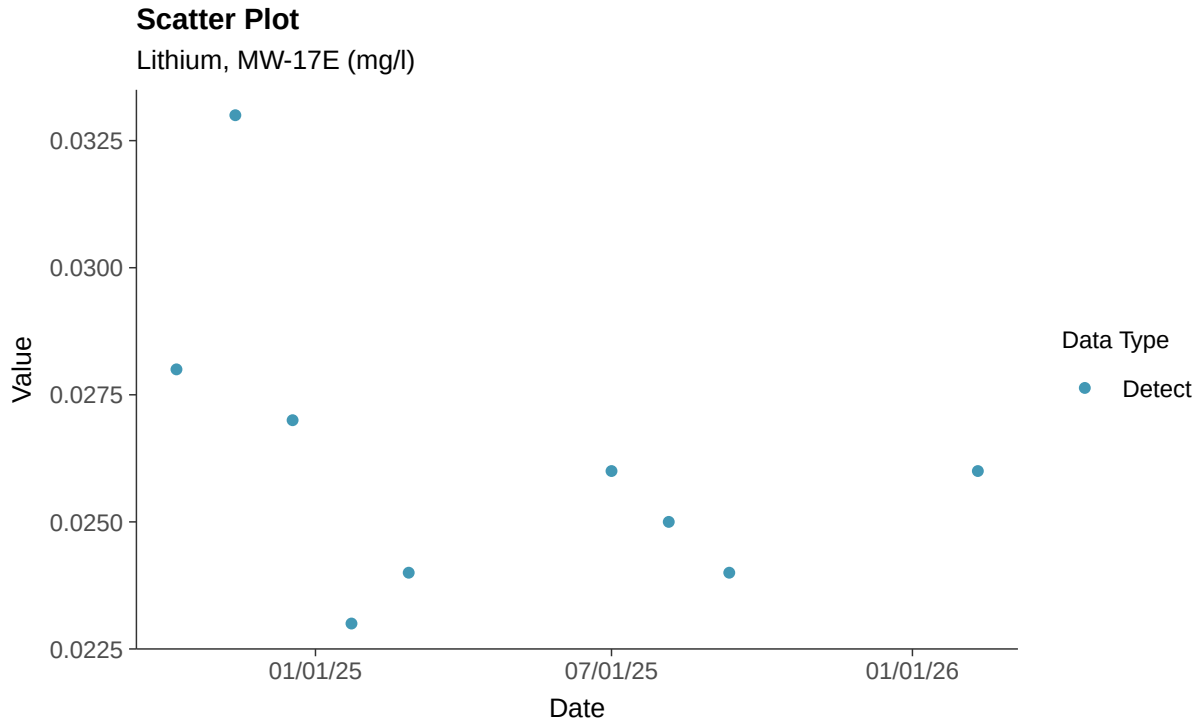
Trend Regression: Piecewise Linear-Linear-Linear

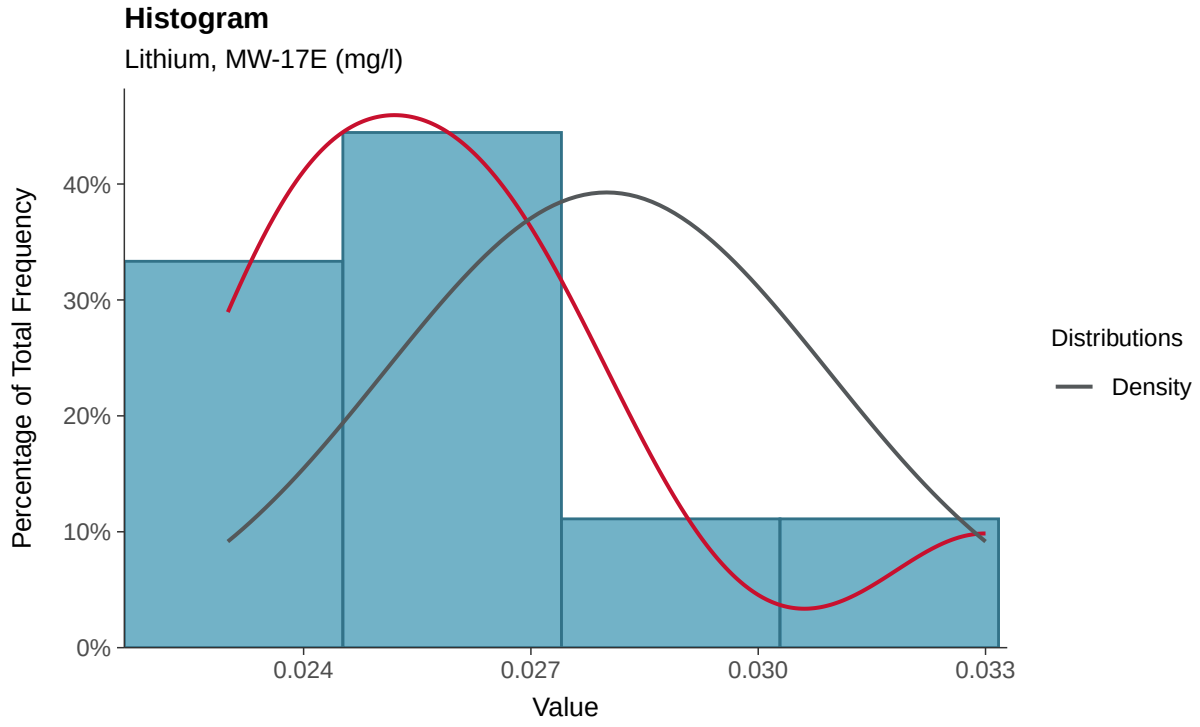
Lead, MW-17E (mg/l)



Appendix IV: Lithium, MW-17E

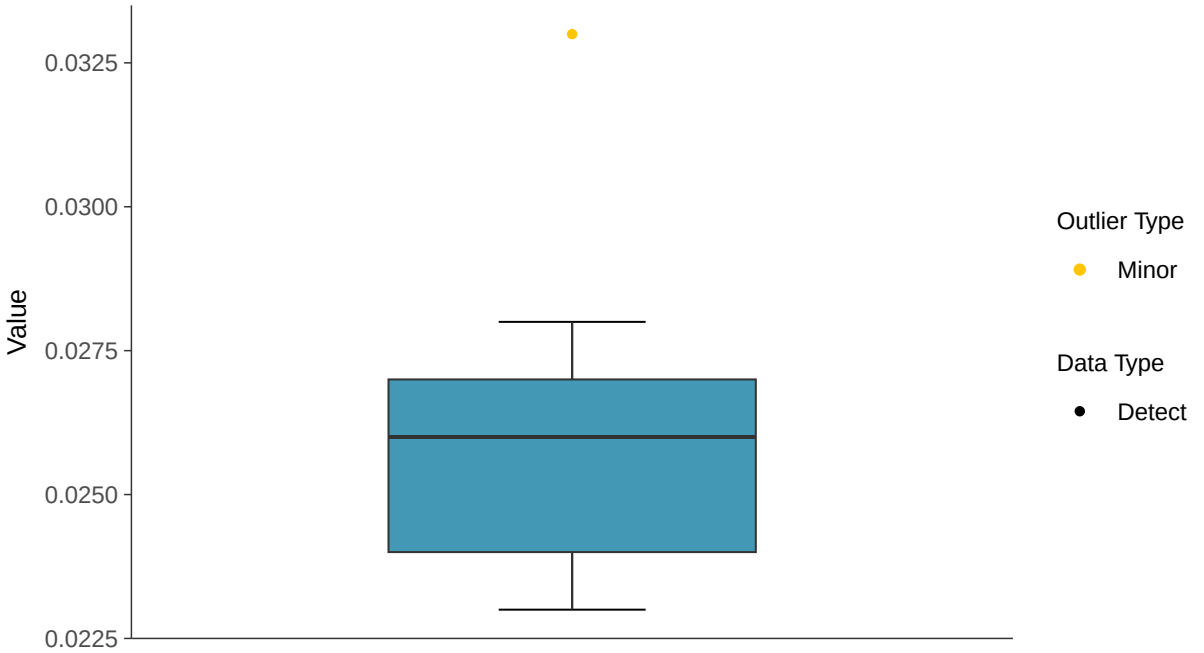
ID: 15_3_116





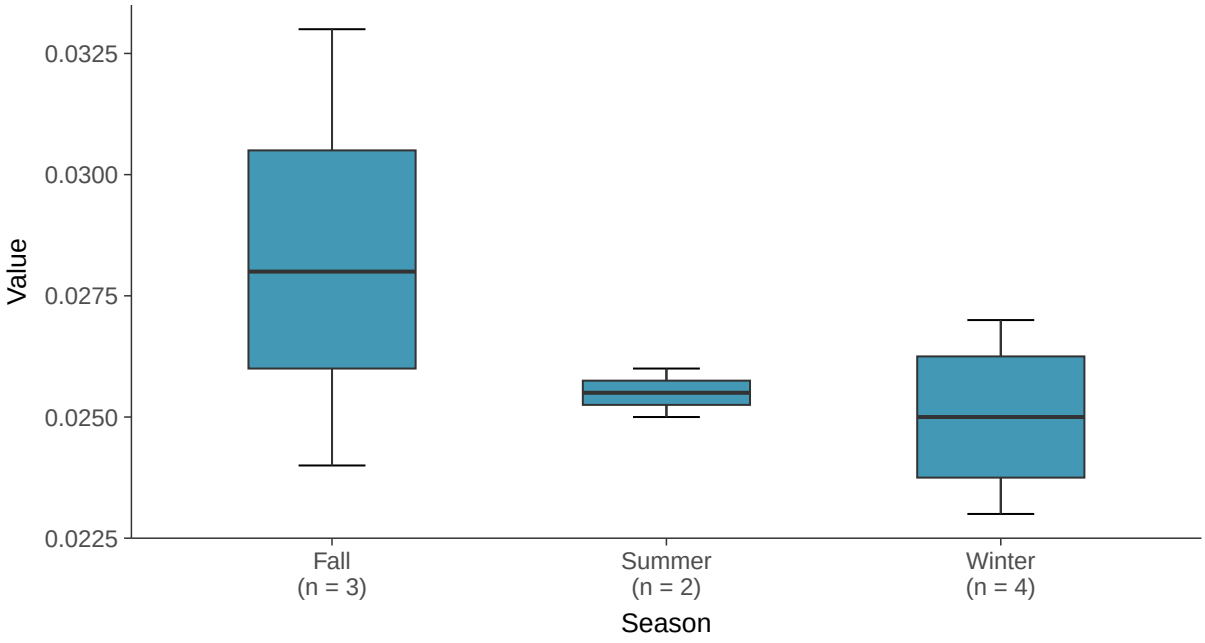
Boxplot

Lithium, MW-17E (mg/l)



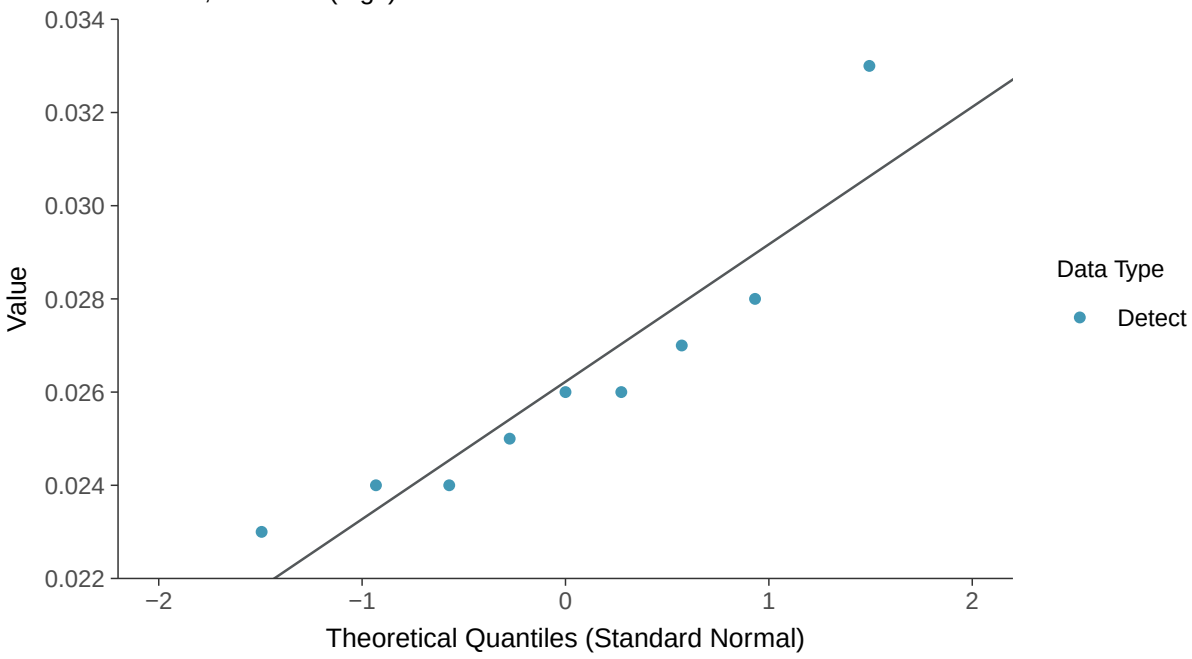
Boxplot by Season

Lithium, MW-17E (mg/l)



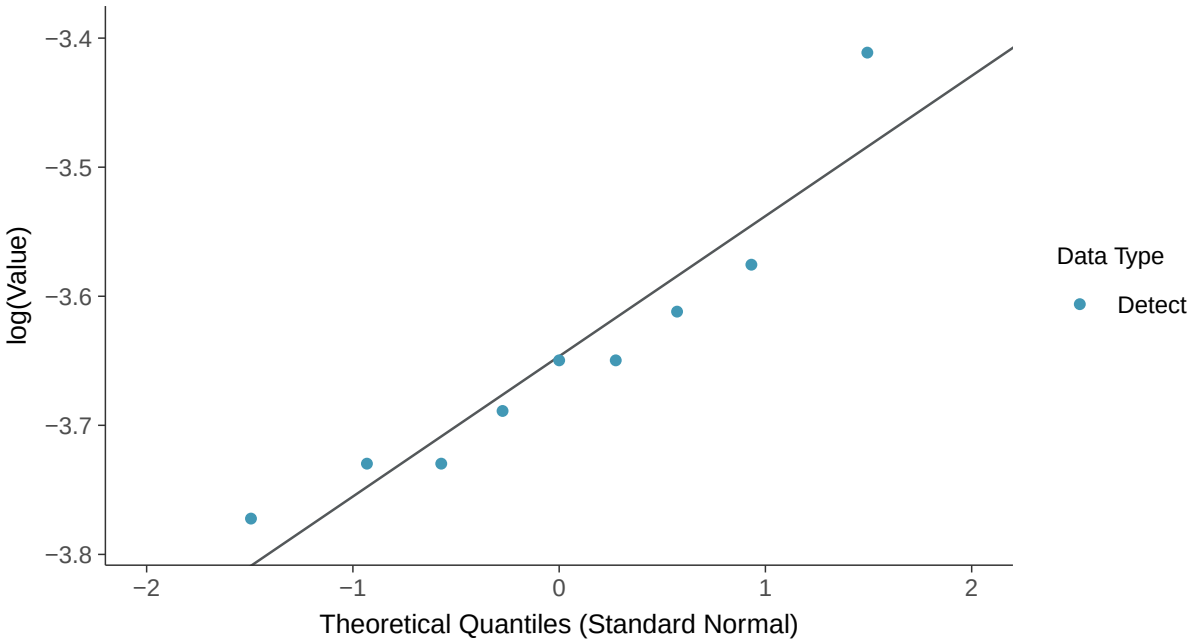
Normal Q-Q plot

Lithium, MW-17E (mg/l)



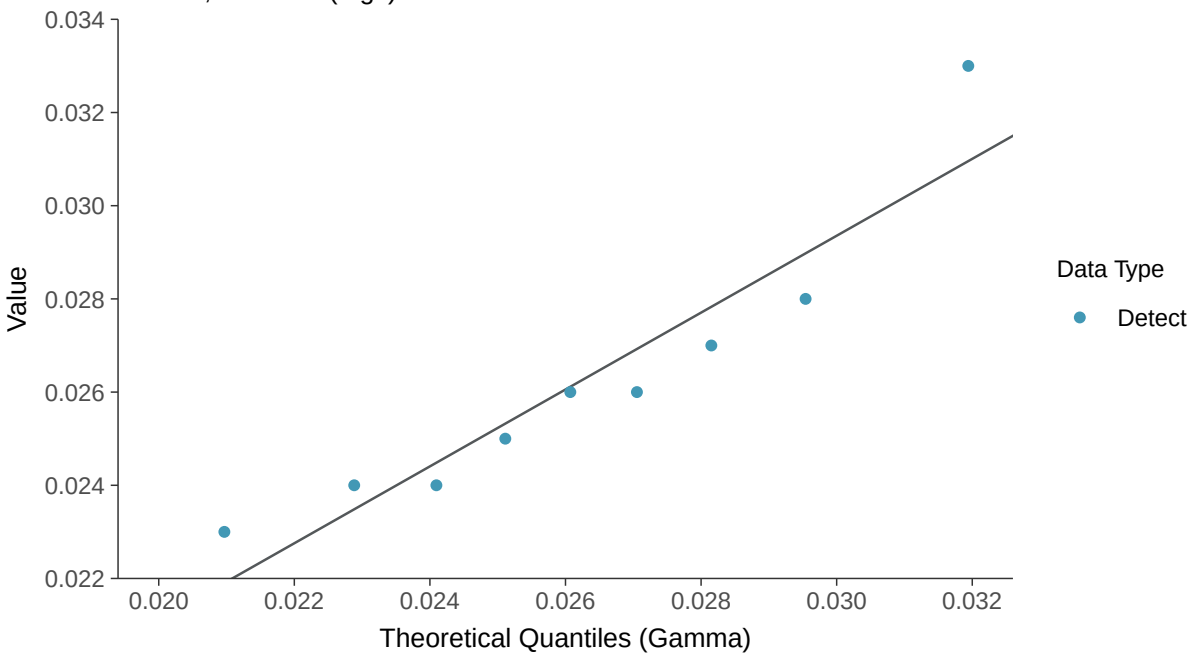
Lognormal Q-Q plot

Lithium, MW-17E (mg/l)



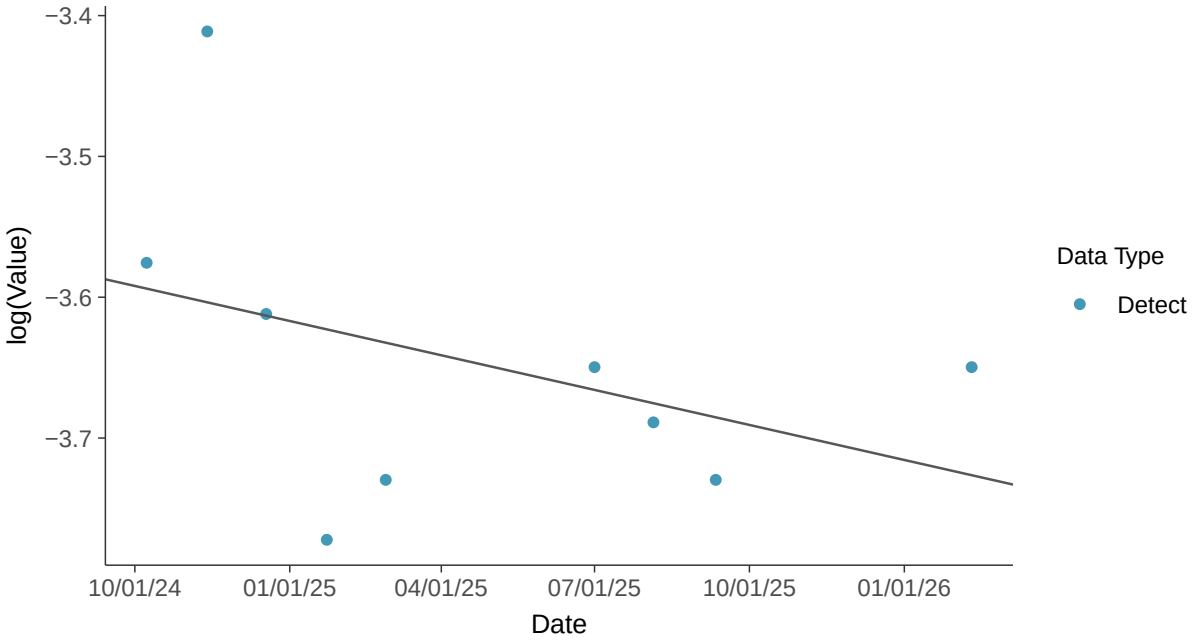
Gamma Q-Q plot

Lithium, MW-17E (mg/l)



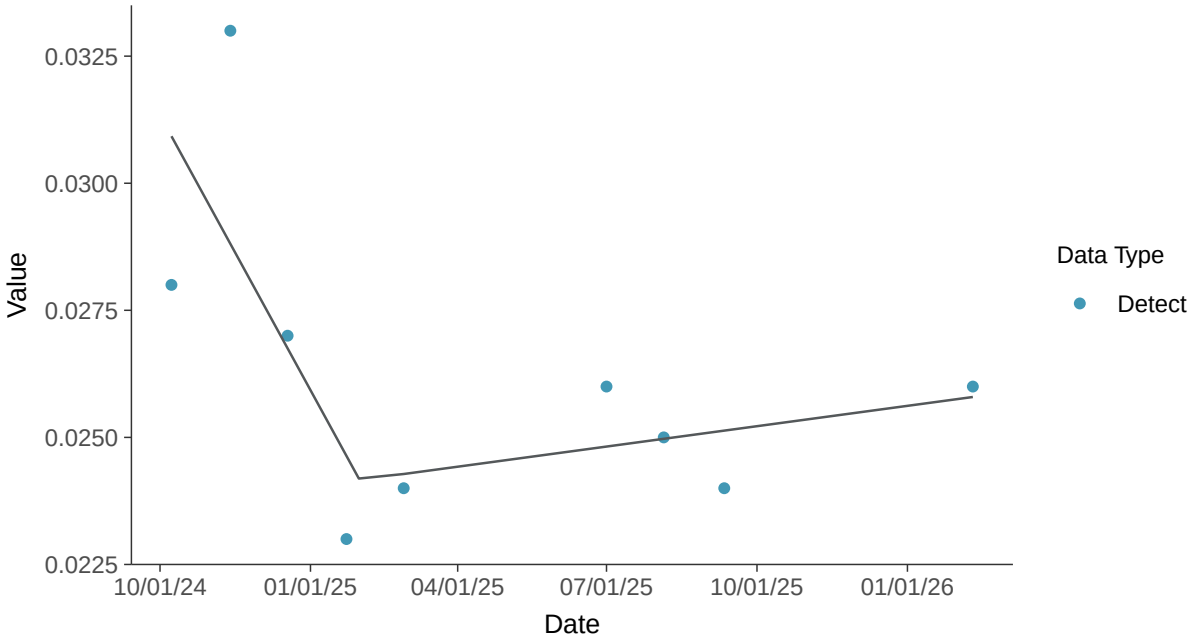
Trend Regression: Lognormal MLE

Lithium, MW-17E (mg/l)



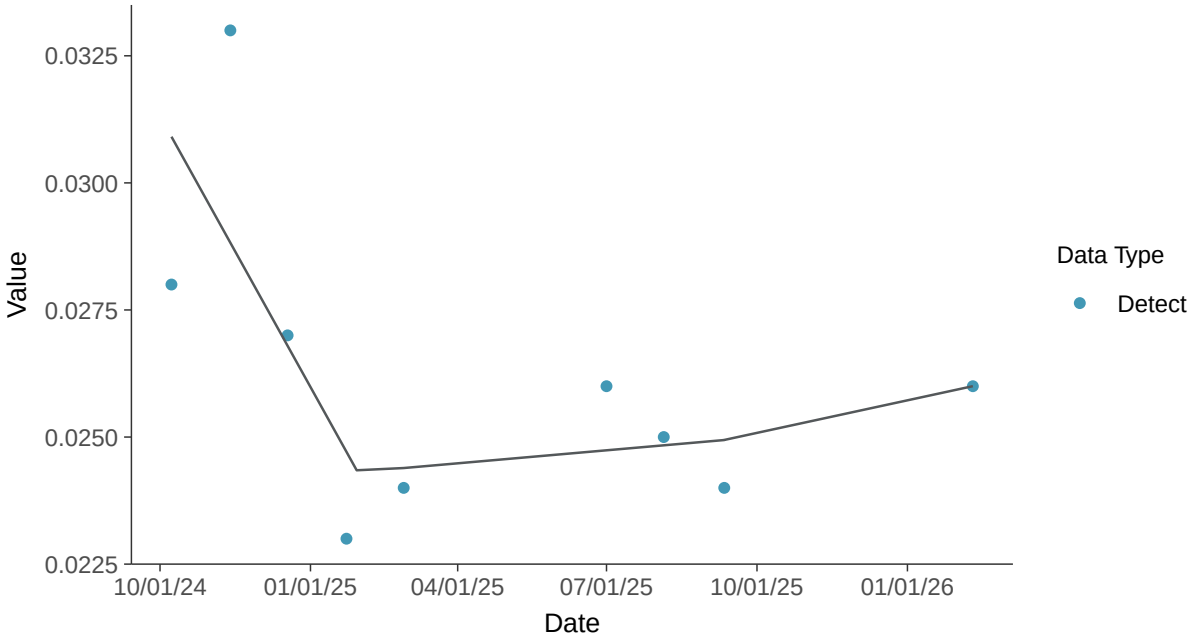
Trend Regression: Piecewise Linear-Linear

Lithium, MW-17E (mg/l)



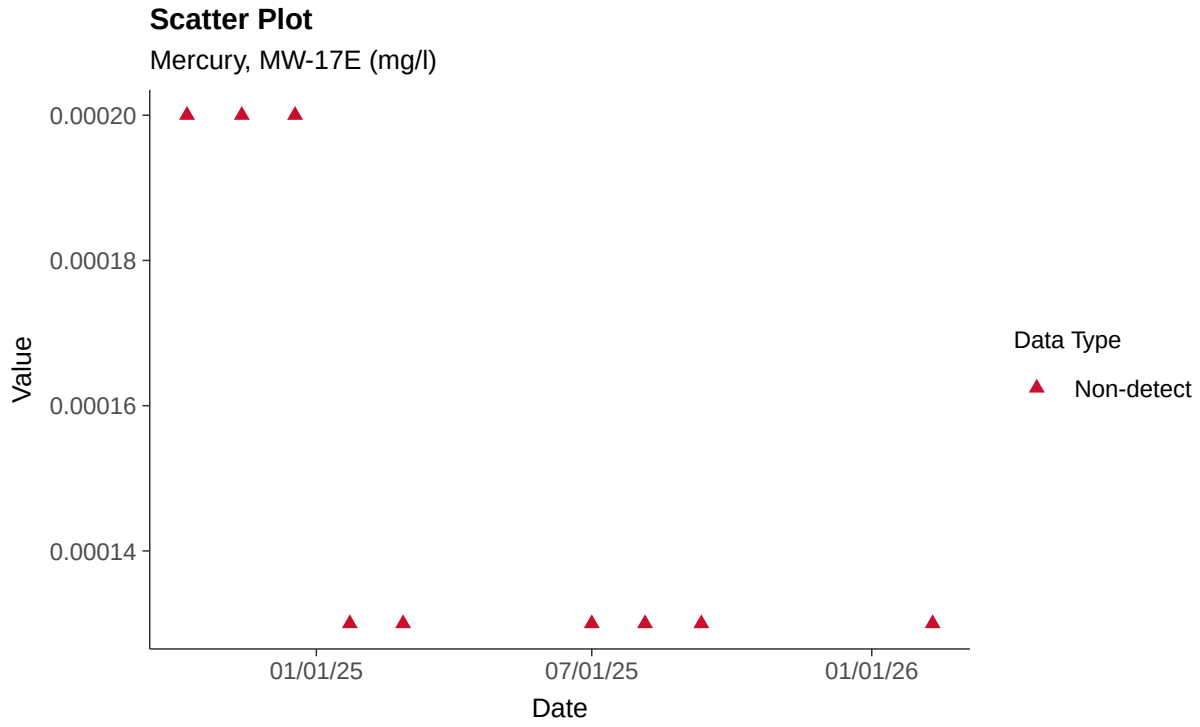
Trend Regression: Piecewise Linear-Linear-Linear

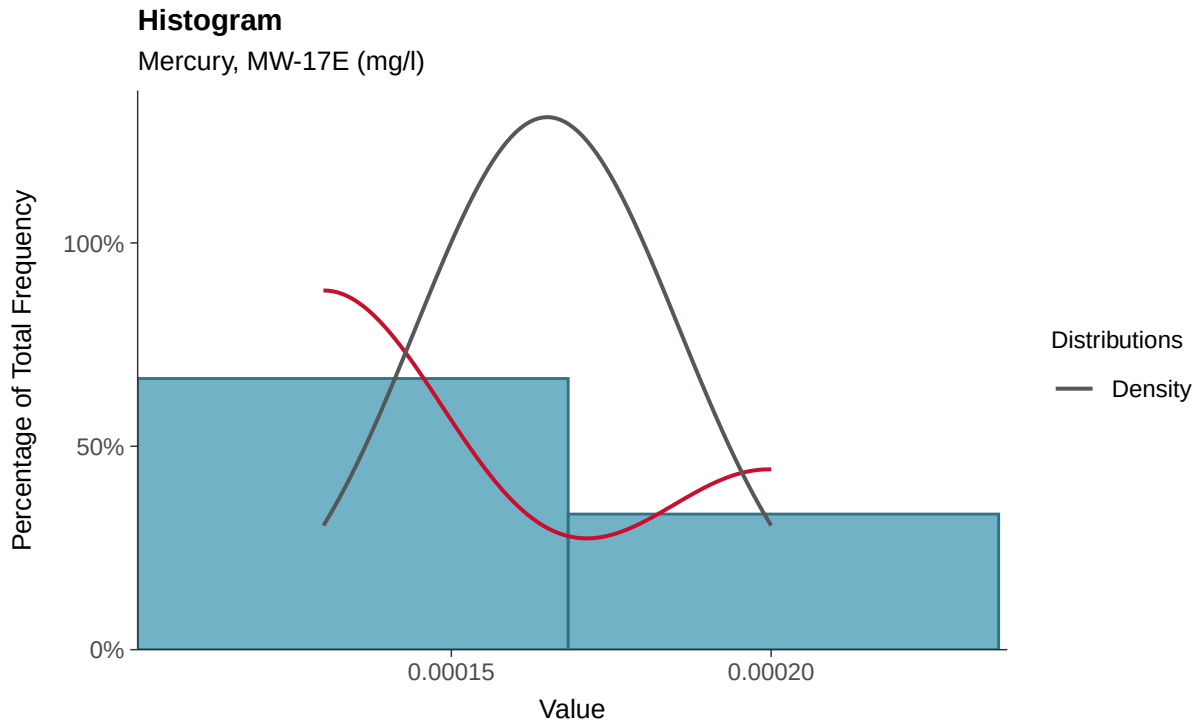
Lithium, MW-17E (mg/l)



Appendix IV: Mercury, MW-17E

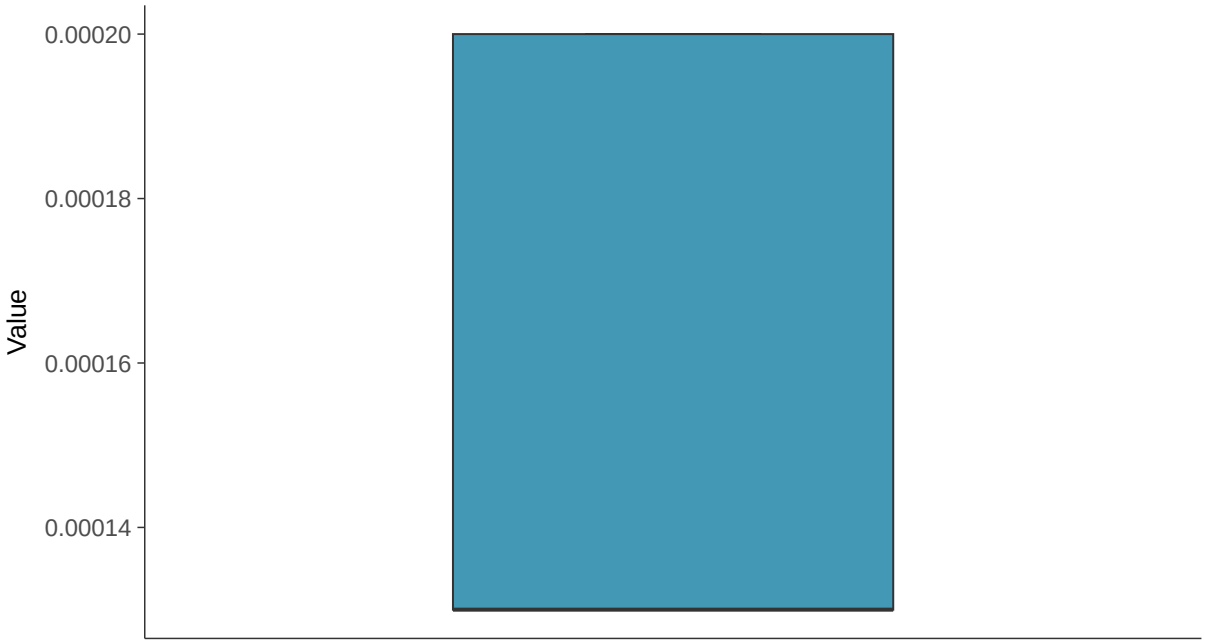
ID: 15_3_117





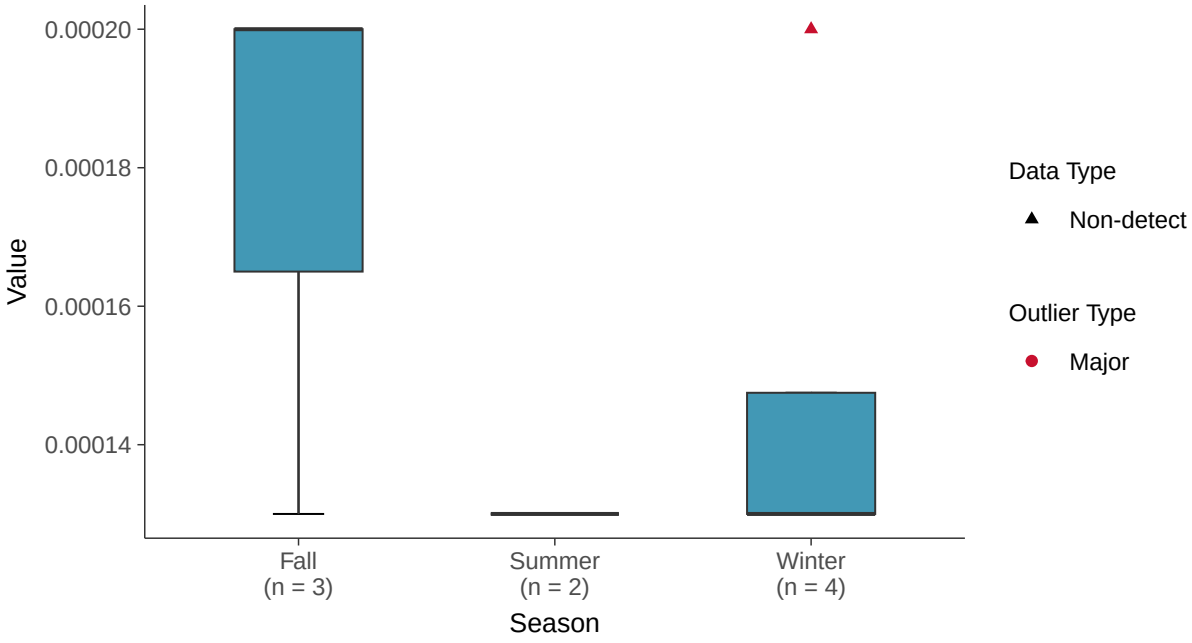
Boxplot

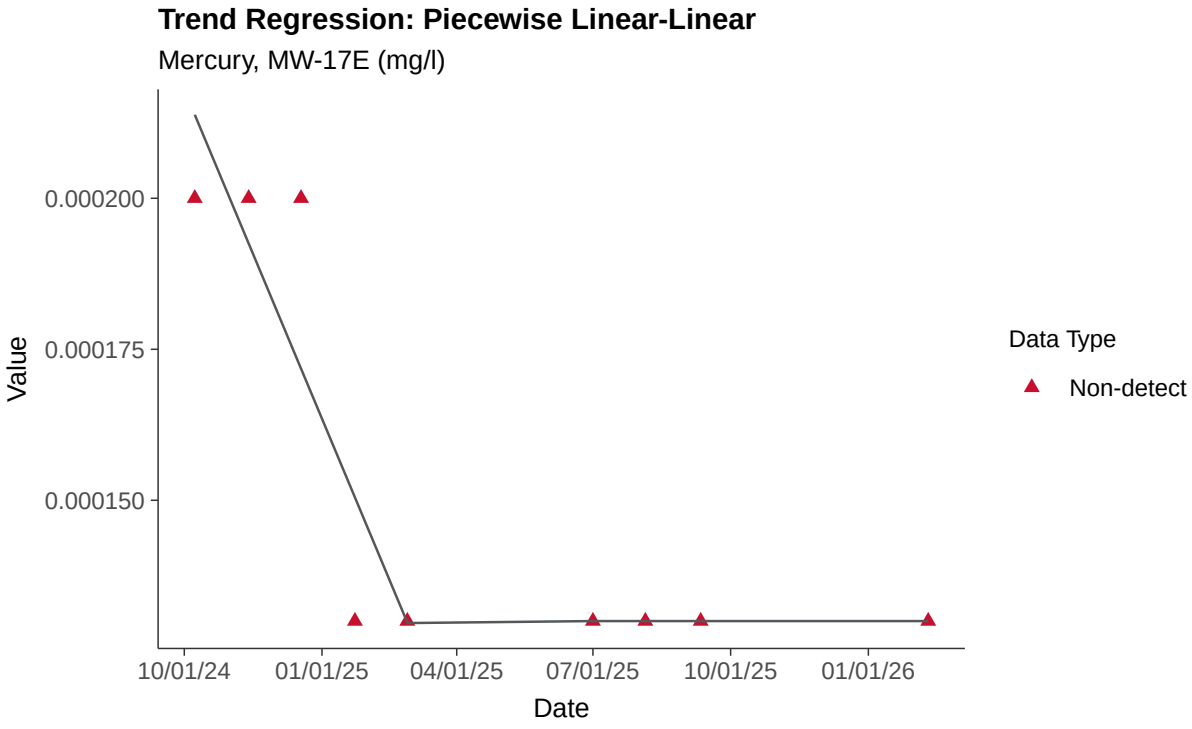
Mercury, MW-17E (mg/l)



Boxplot by Season

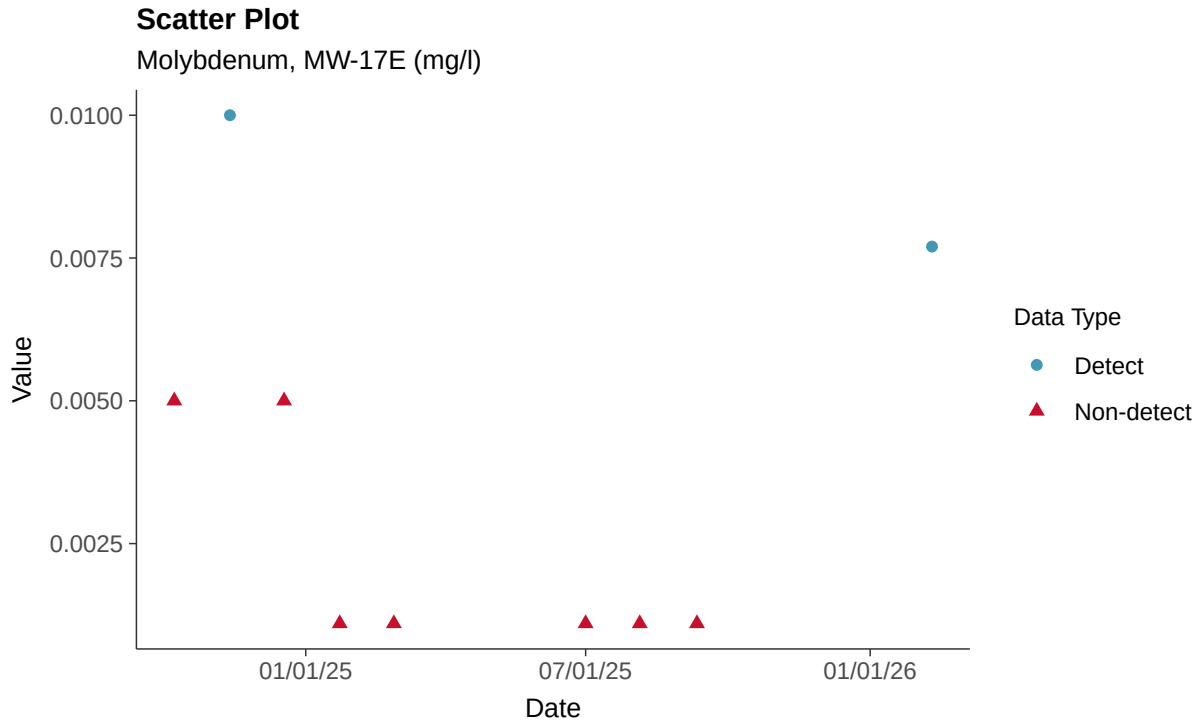
Mercury, MW-17E (mg/l)

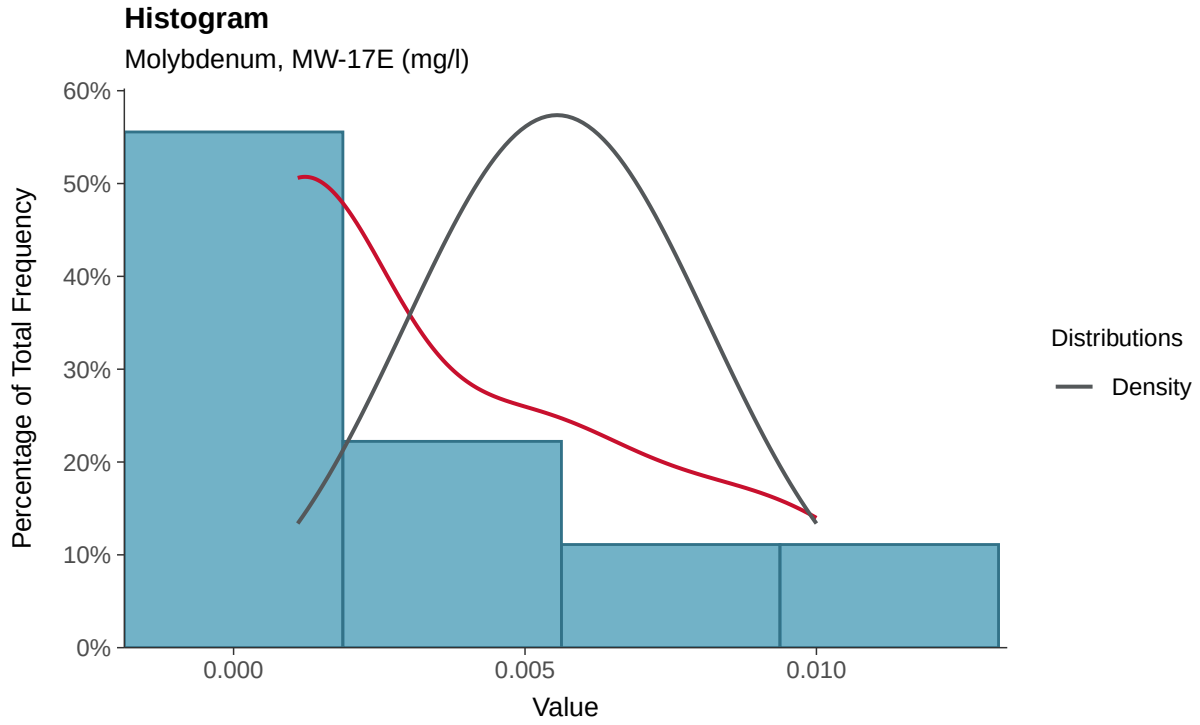



Trend Regression: Piecewise Linear-Linear
Mercury, MW-17E (mg/l)
Value
0.000200
0.000175
0.000150
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Molybdenum, MW-17E

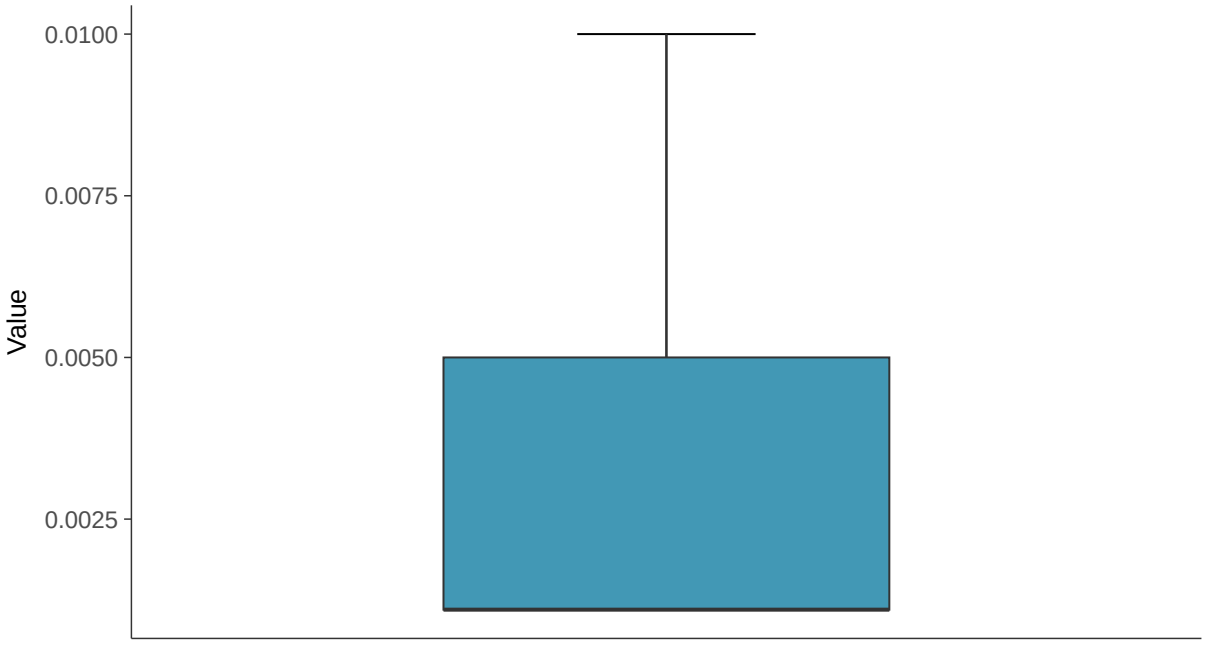
ID: 15_3_118





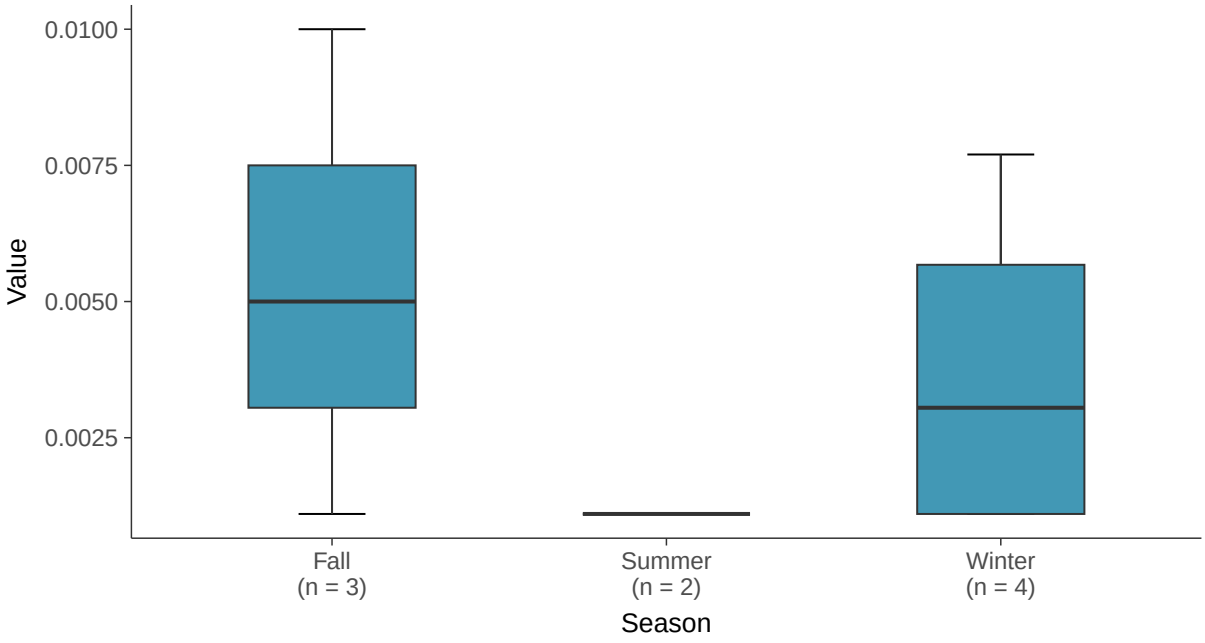
Boxplot

Molybdenum, MW-17E (mg/l)



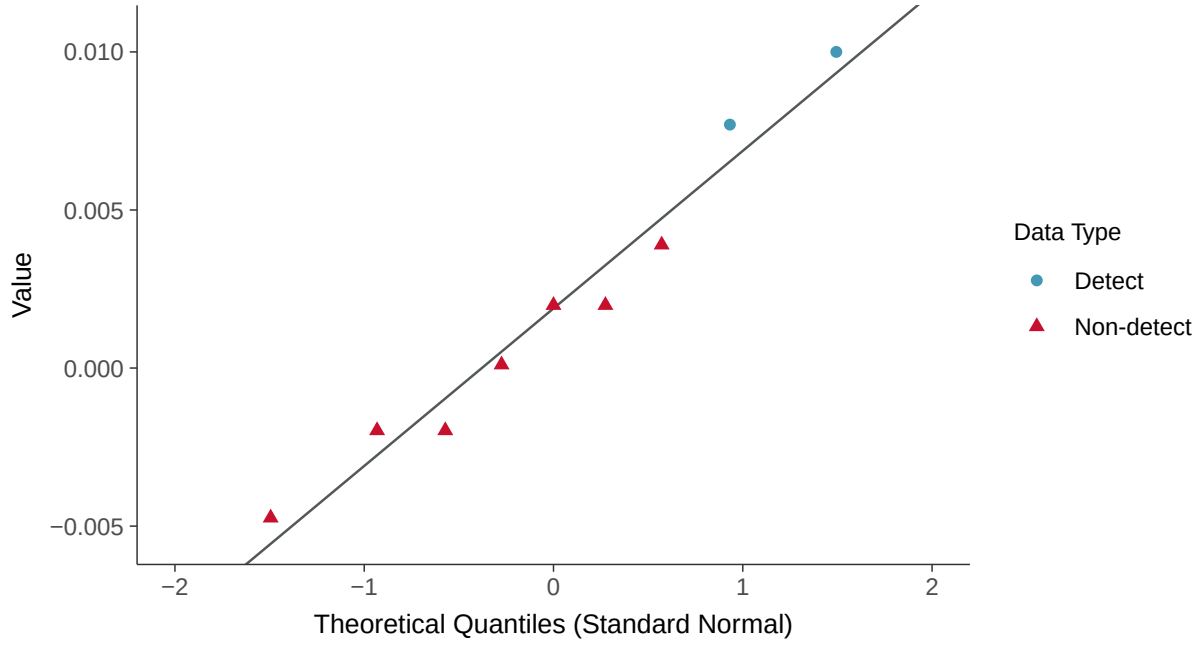
Boxplot by Season

Molybdenum, MW-17E (mg/l)



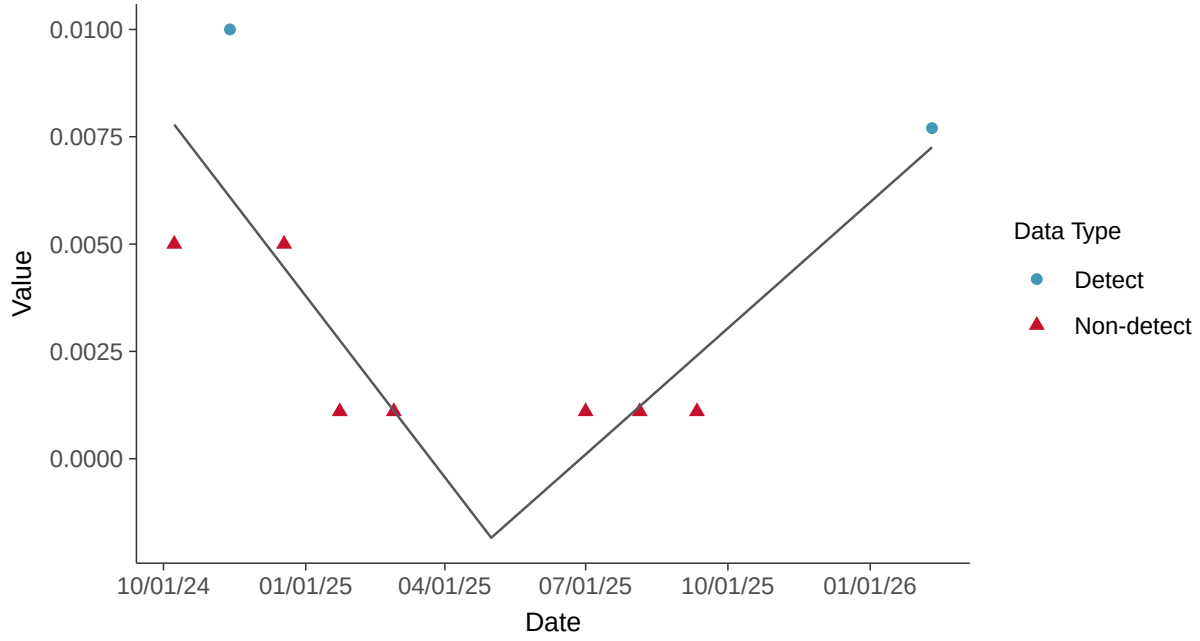
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-17E (mg/l)



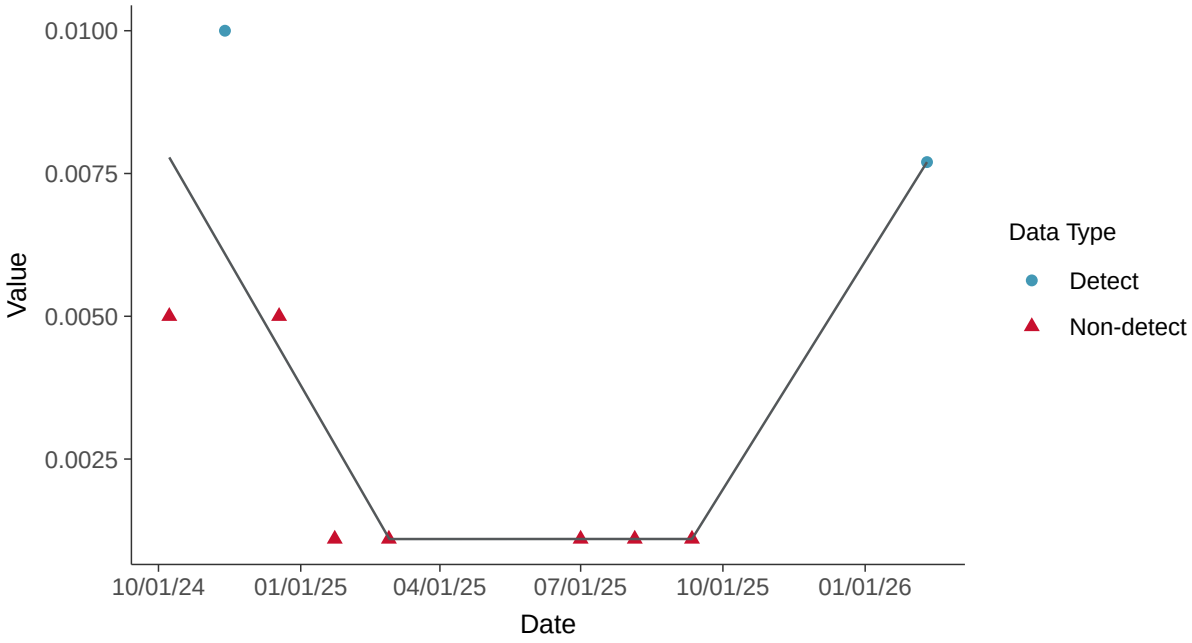
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-17E (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-17E (mg/l)

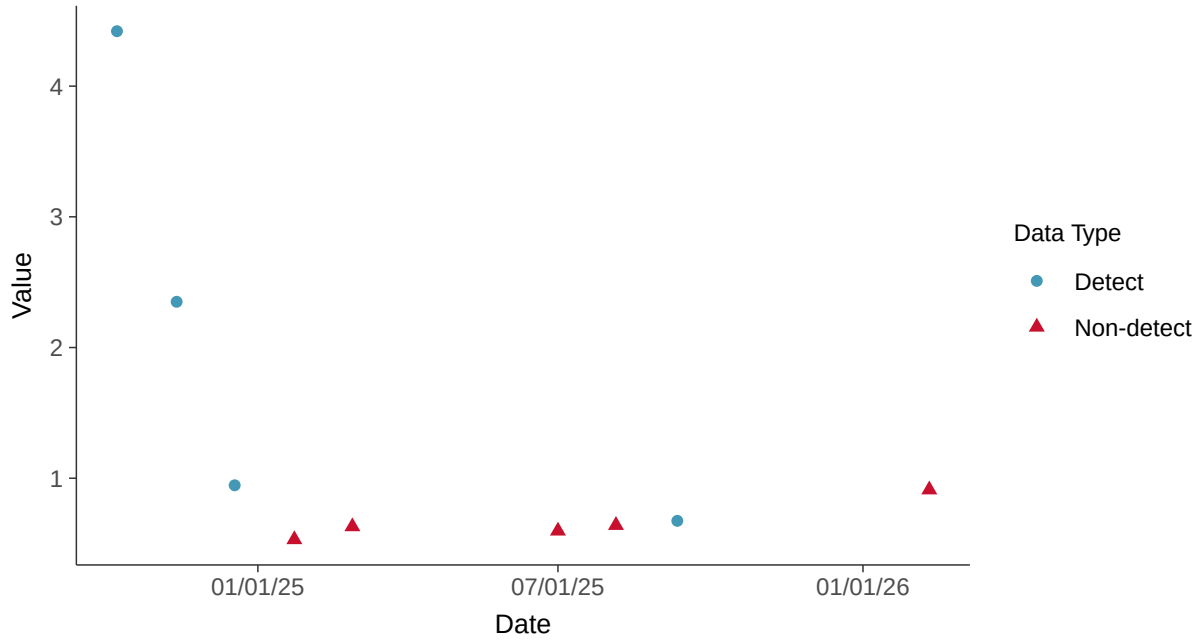


Appendix IV: Radium-226+228, MW-17E

ID: 15_3_121

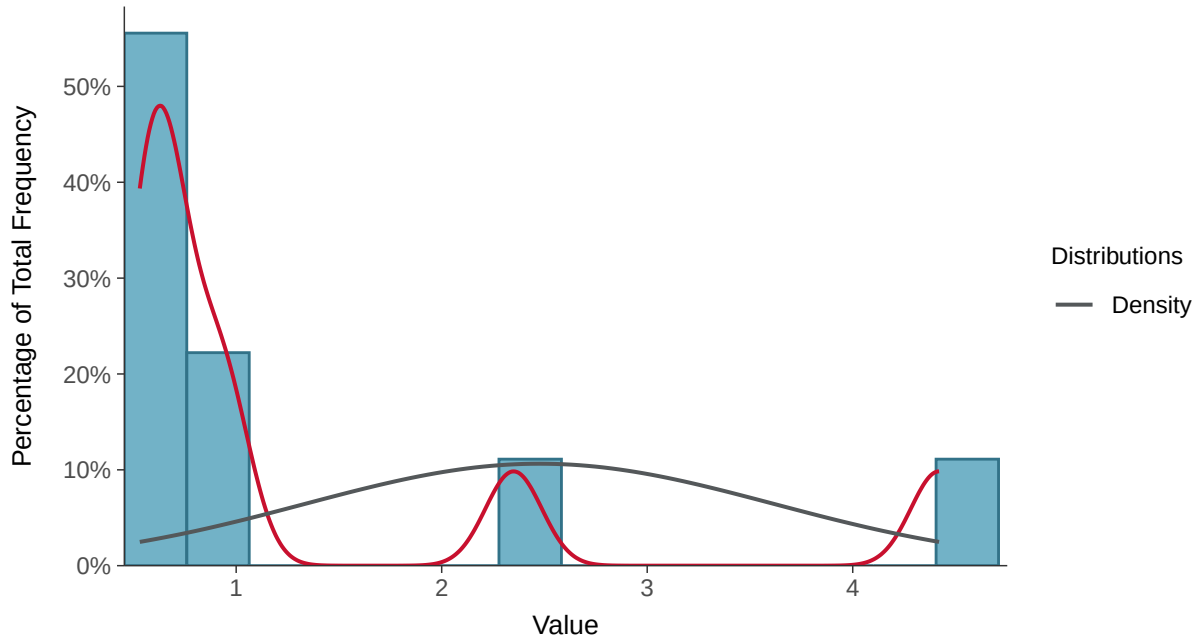
Scatter Plot

Radium-226+228, MW-17E (pci/l)



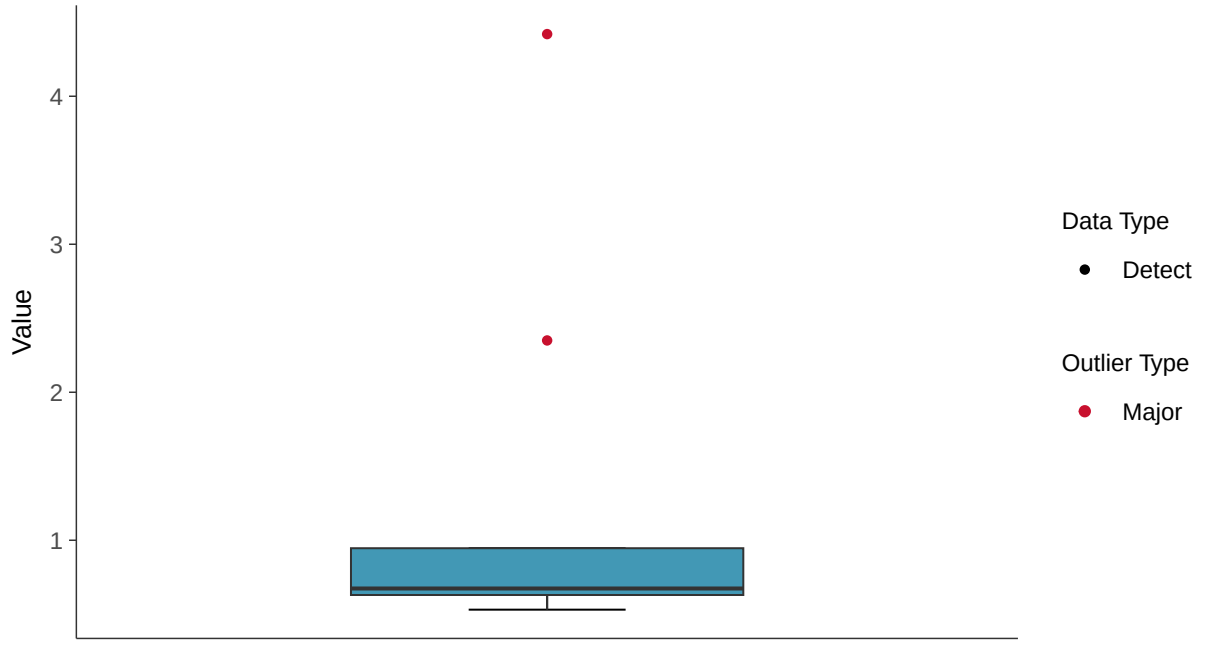
Histogram

Radium-226+228, MW-17E (pci/l)



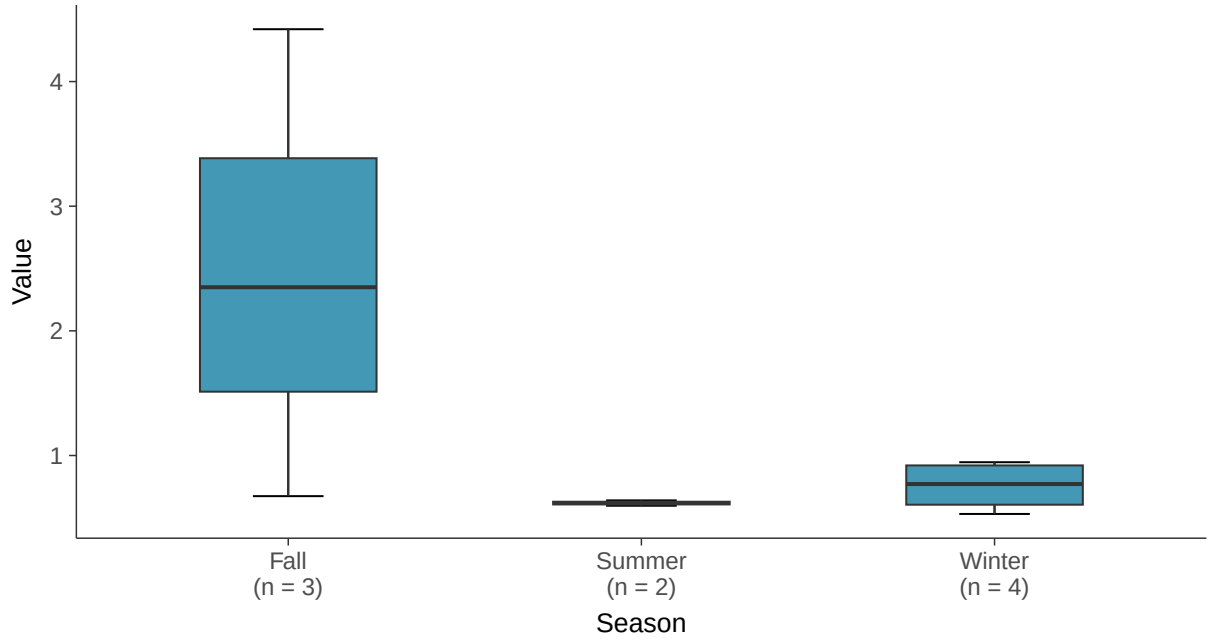
Boxplot

Radium-226+228, MW-17E (pci/l)



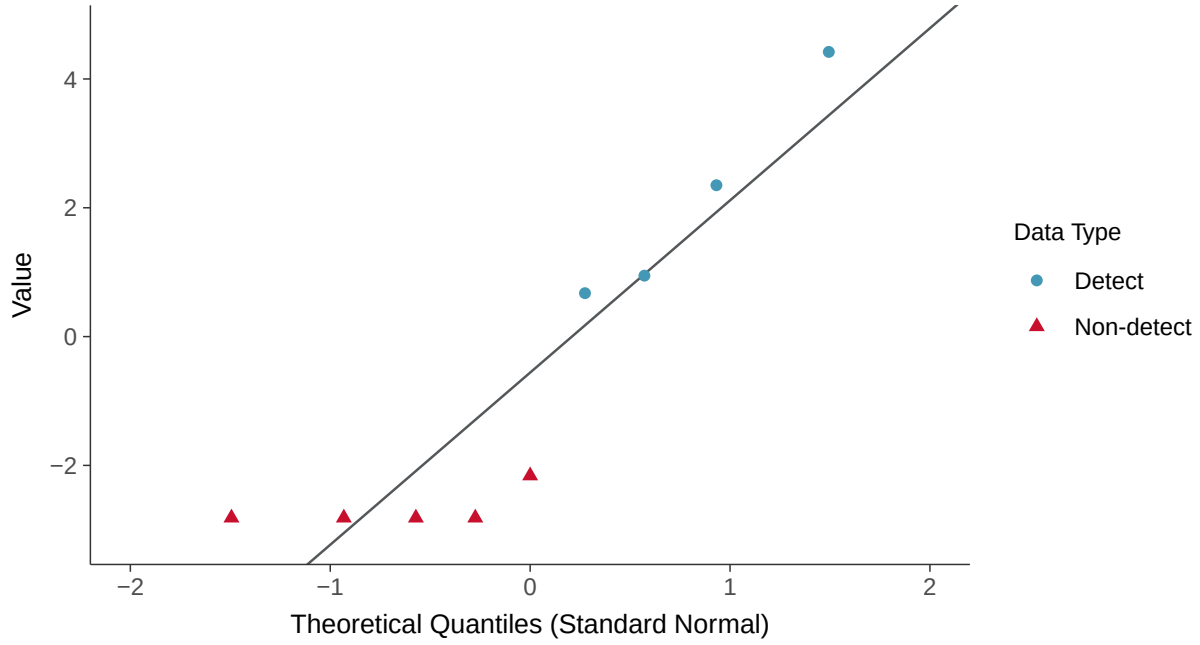
Boxplot by Season

Radium-226+228, MW-17E (pci/l)



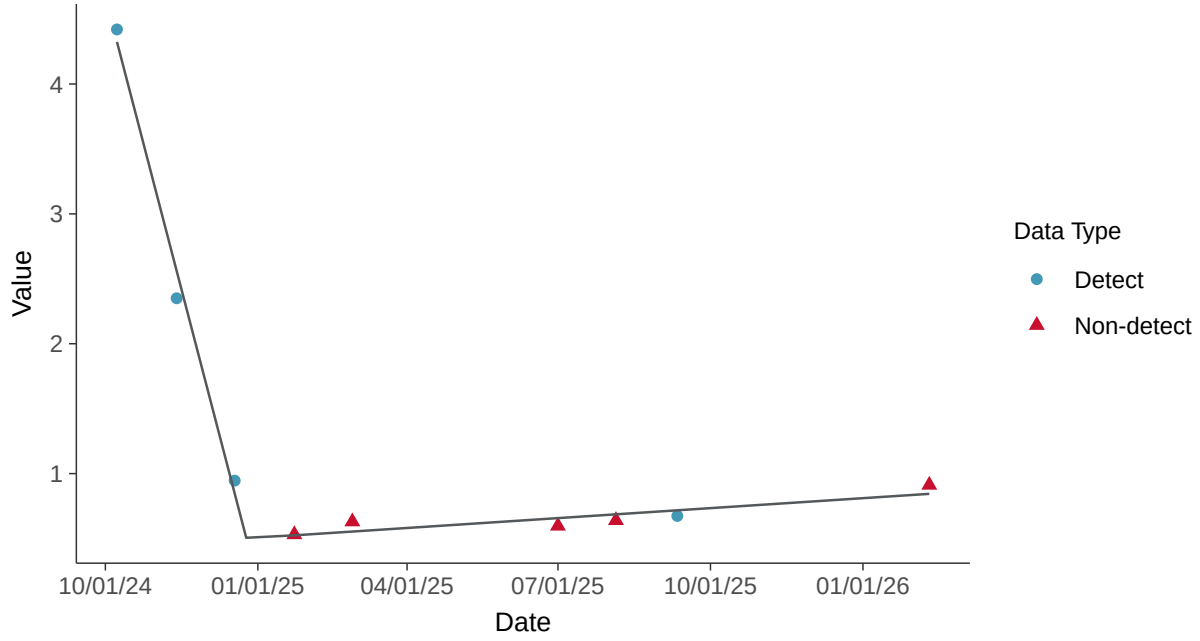
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-17E (pci/l)



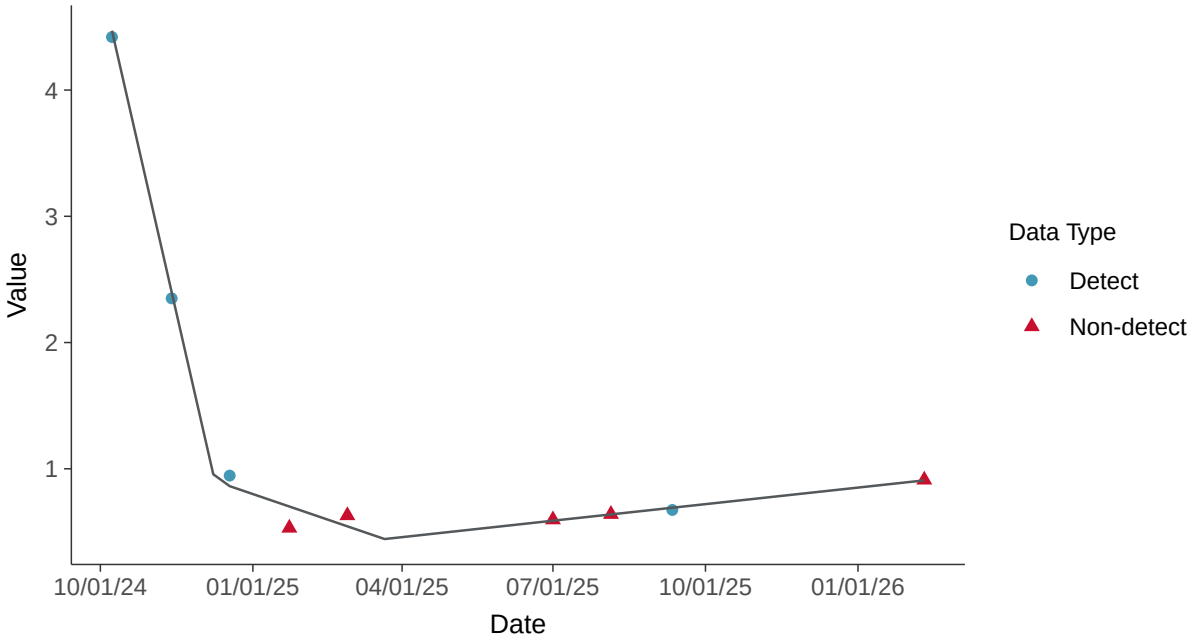
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-17E (pci/l)



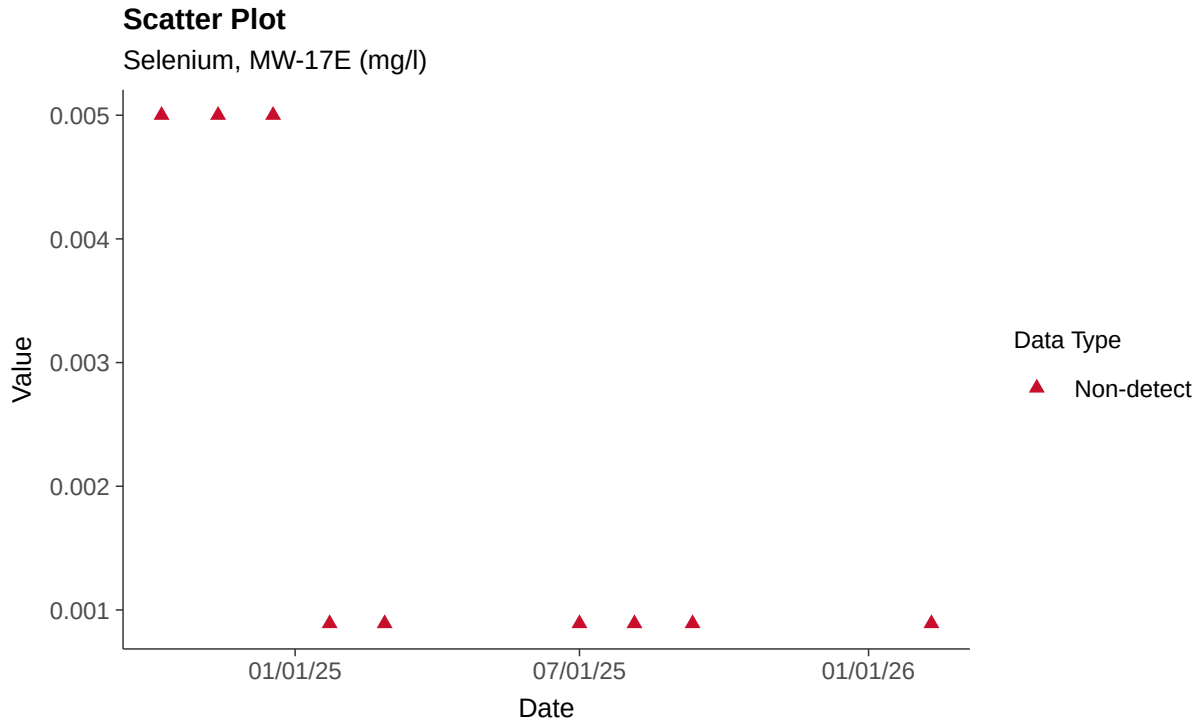
Trend Regression: Piecewise Linear-Linear-Linear

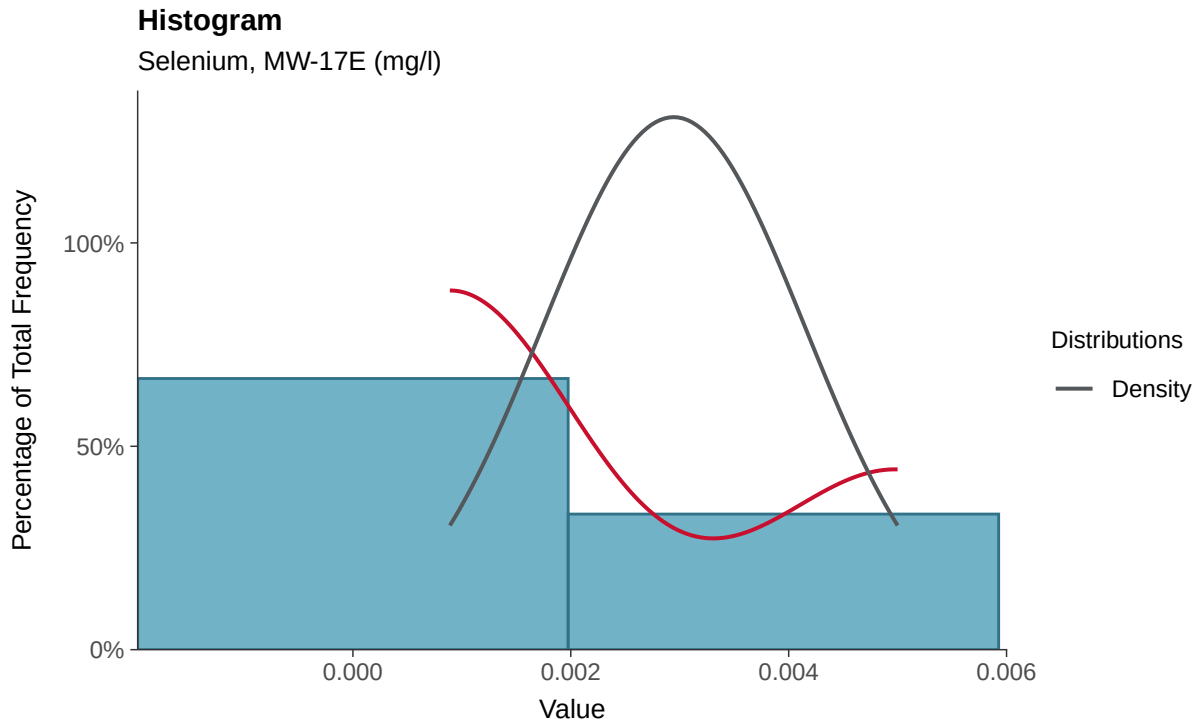
Radium-226+228, MW-17E (pci/l)



Appendix IV: Selenium, MW-17E

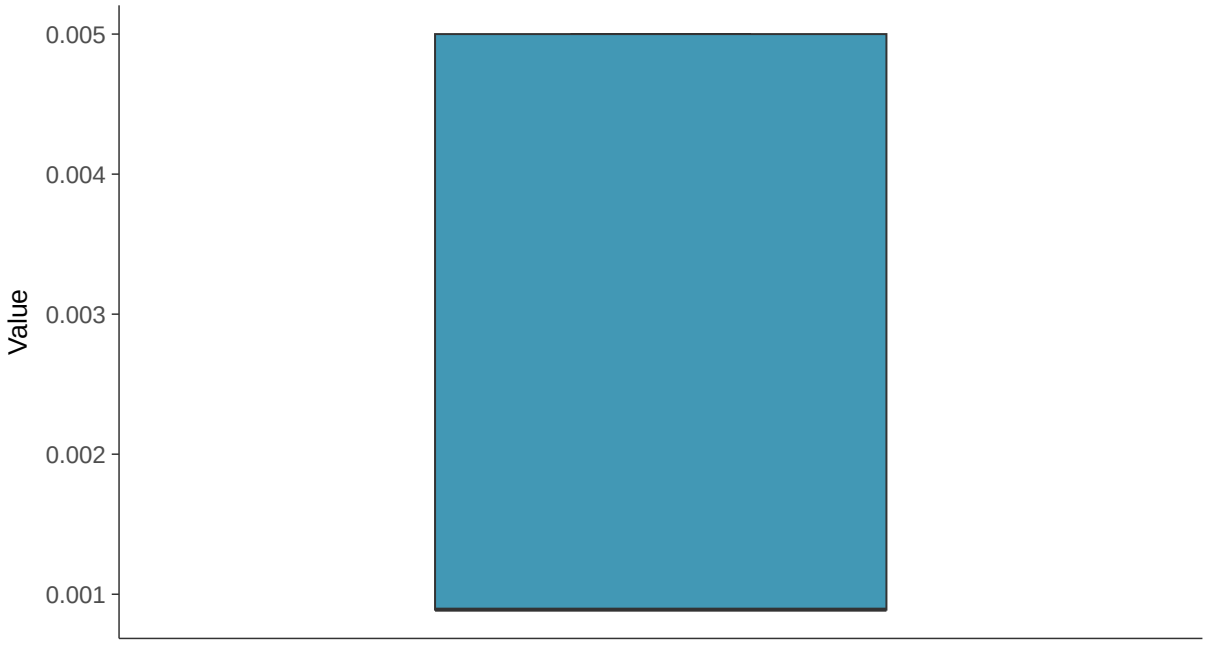
ID: 15_3_122





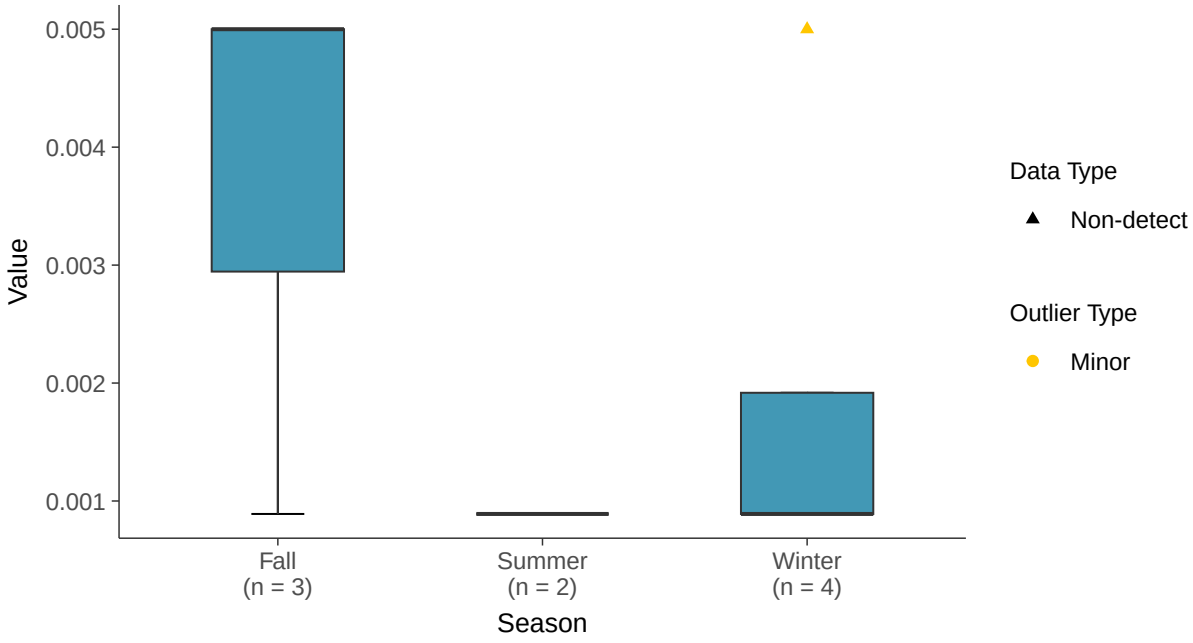
Boxplot

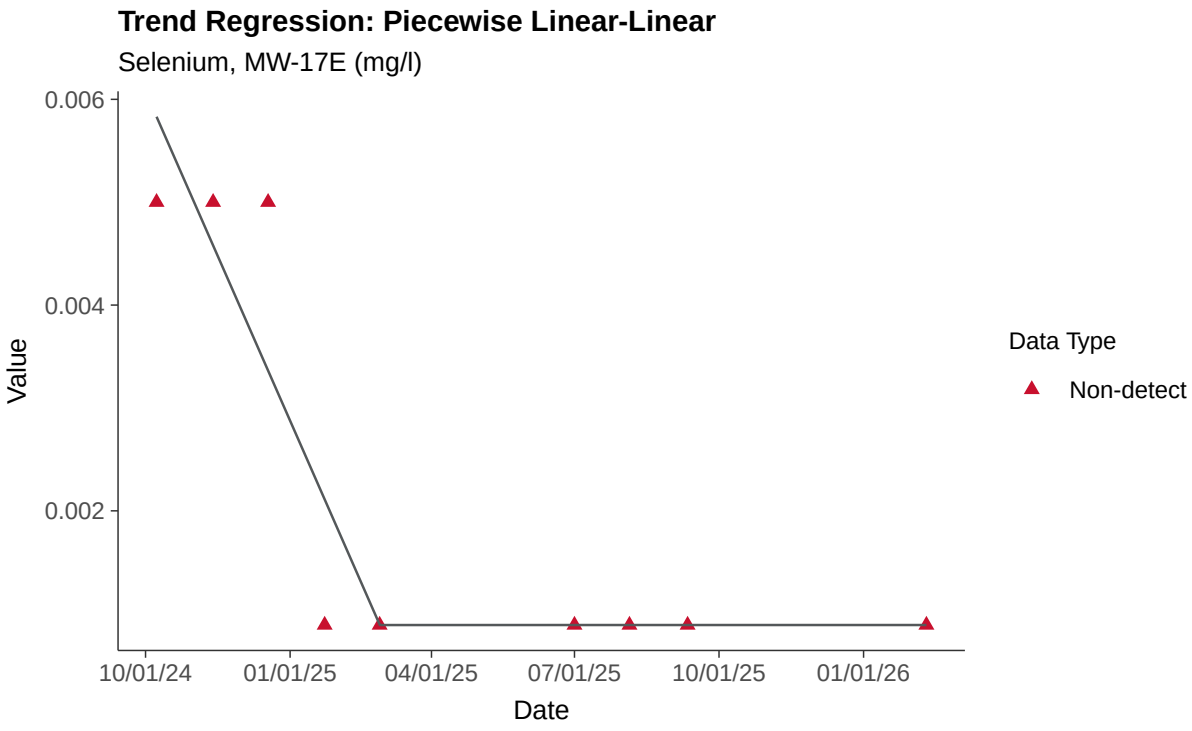
Selenium, MW-17E (mg/l)



Boxplot by Season

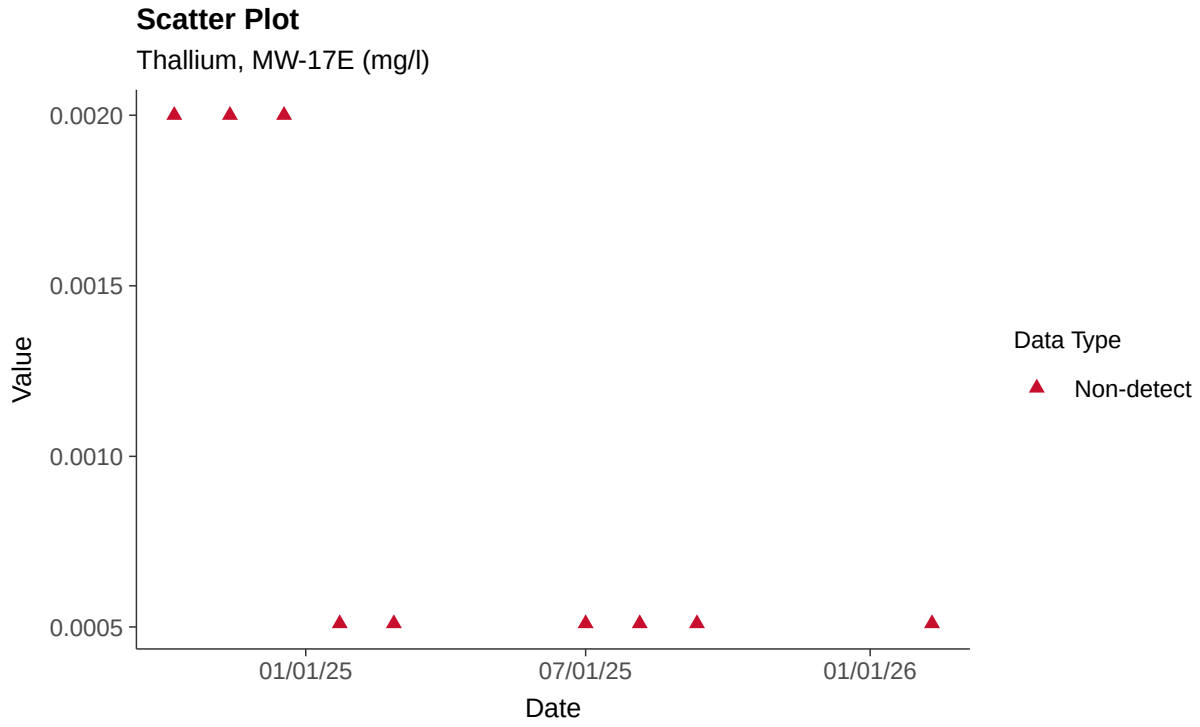
Selenium, MW-17E (mg/l)

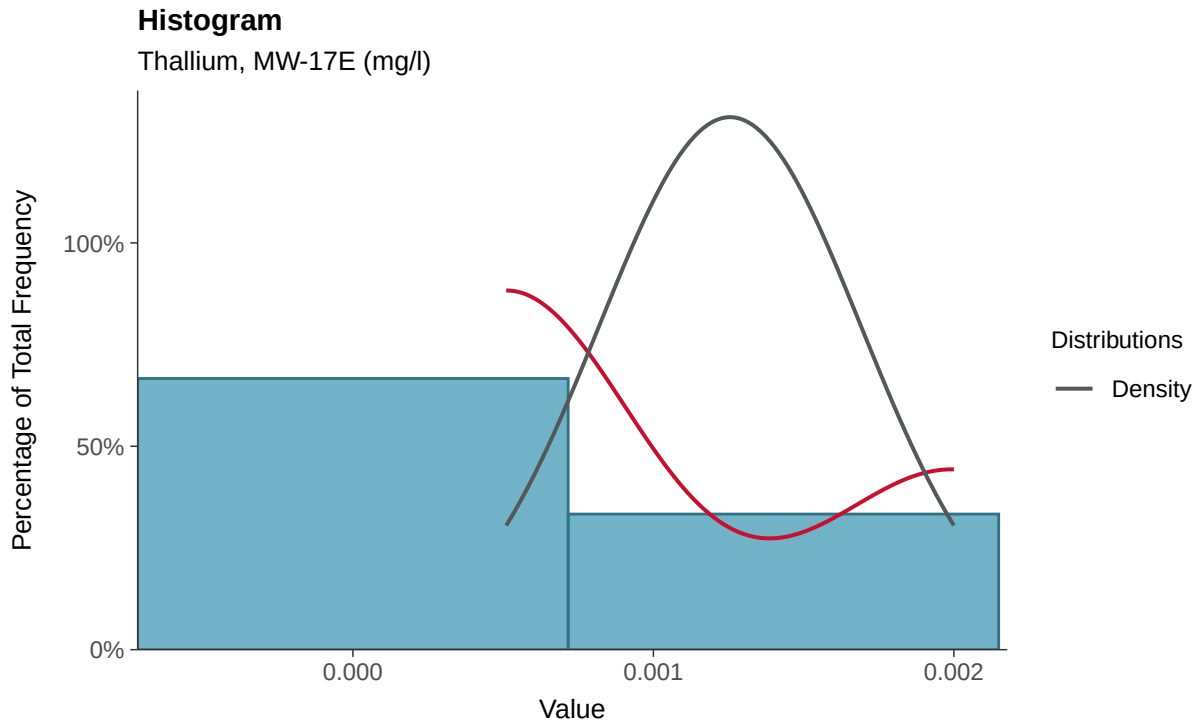



Trend Regression: Piecewise Linear-Linear
Selenium, MW-17E (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-17E

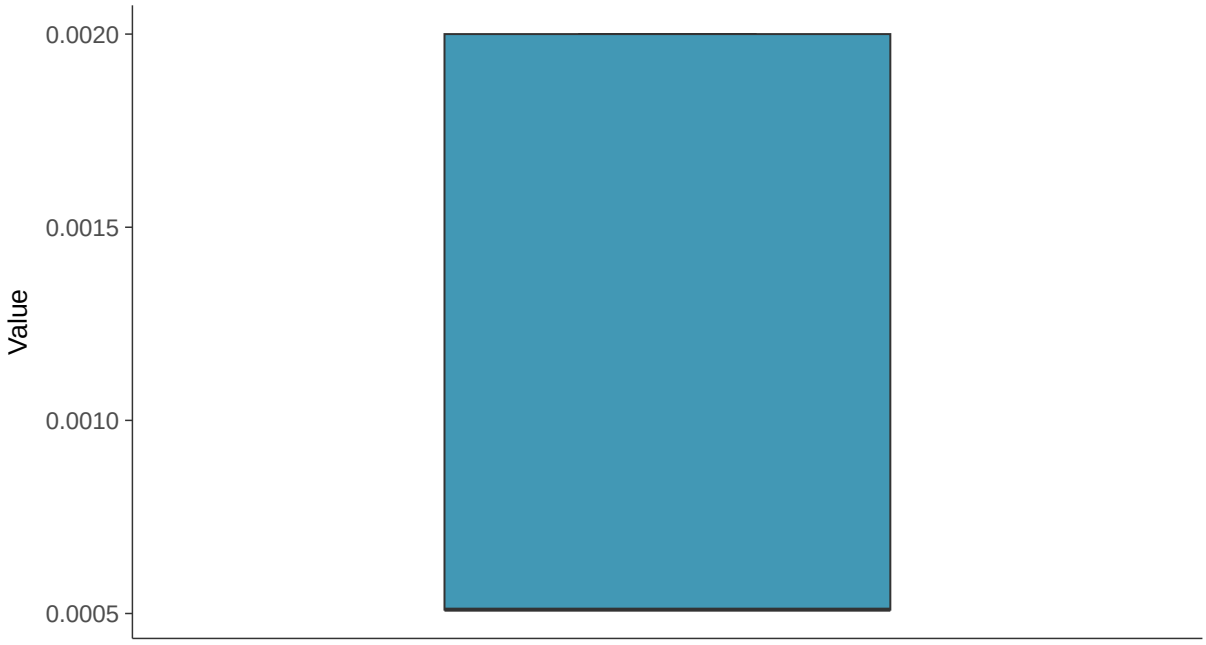
ID: 15_3_125





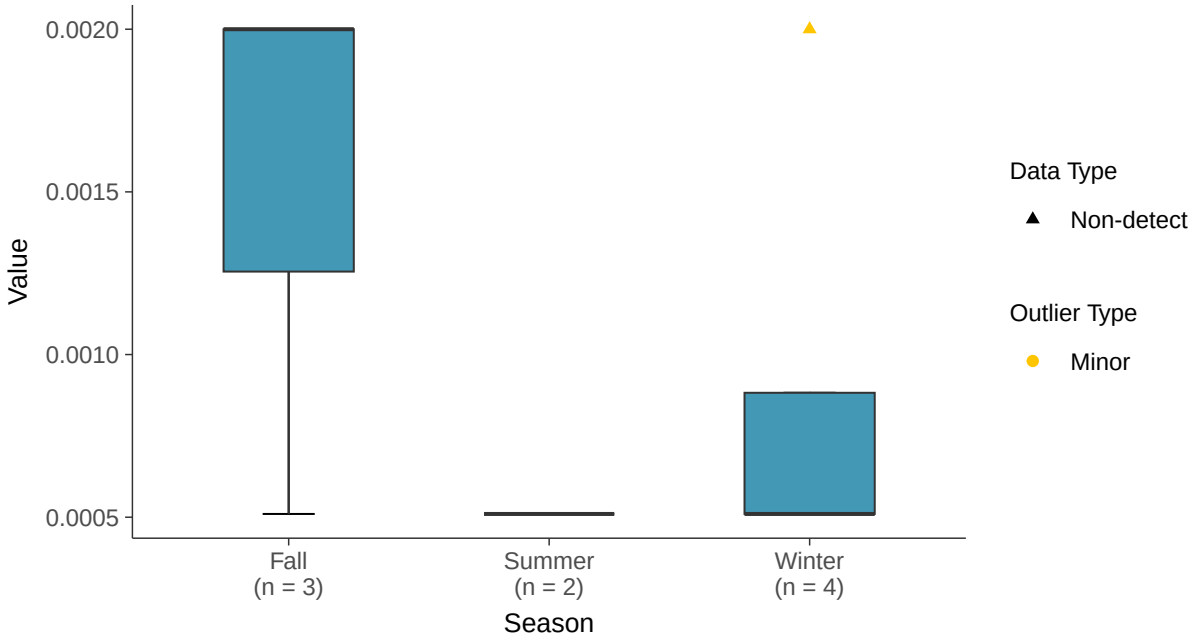
Boxplot

Thallium, MW-17E (mg/l)



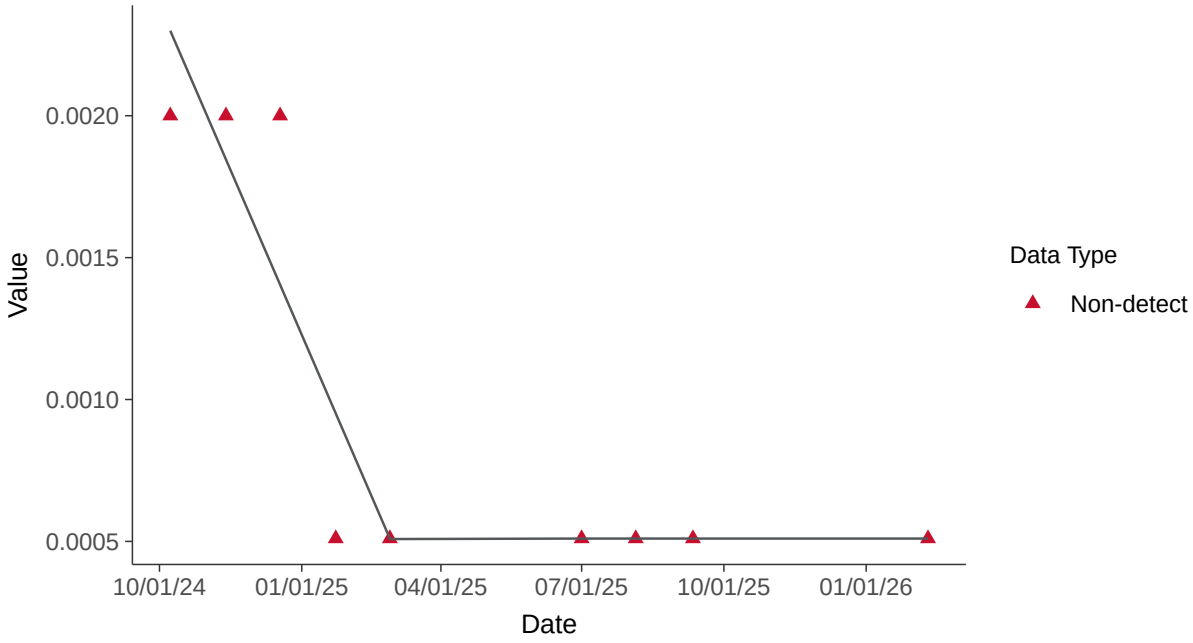
Boxplot by Season

Thallium, MW-17E (mg/l)



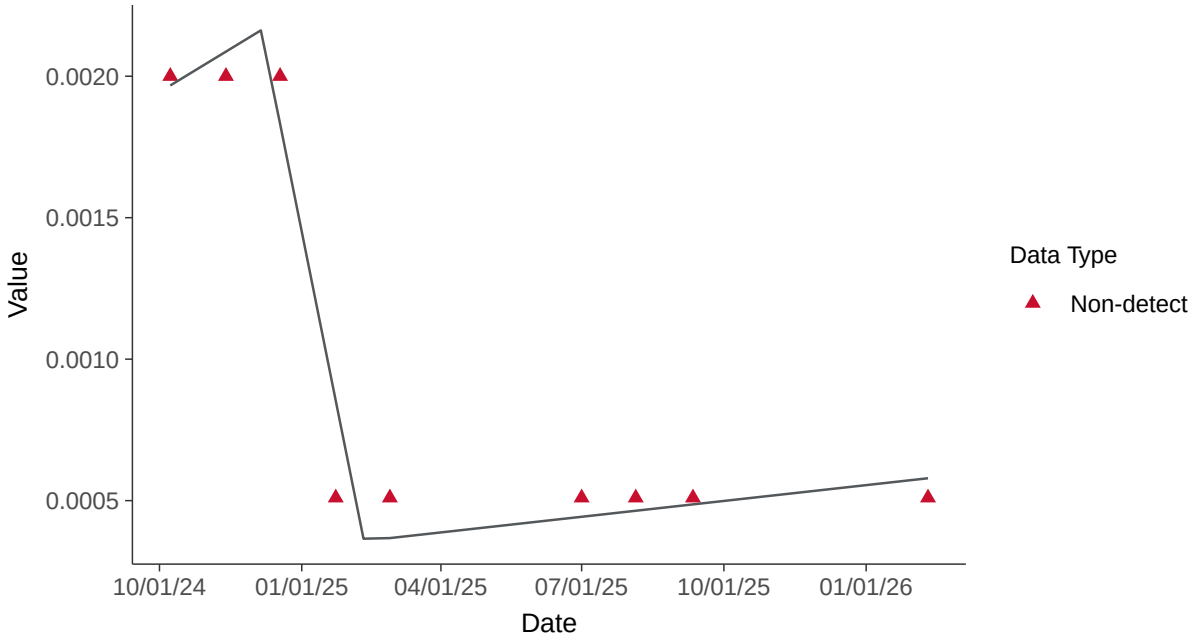
Trend Regression: Piecewise Linear-Linear

Thallium, MW-17E (mg/l)



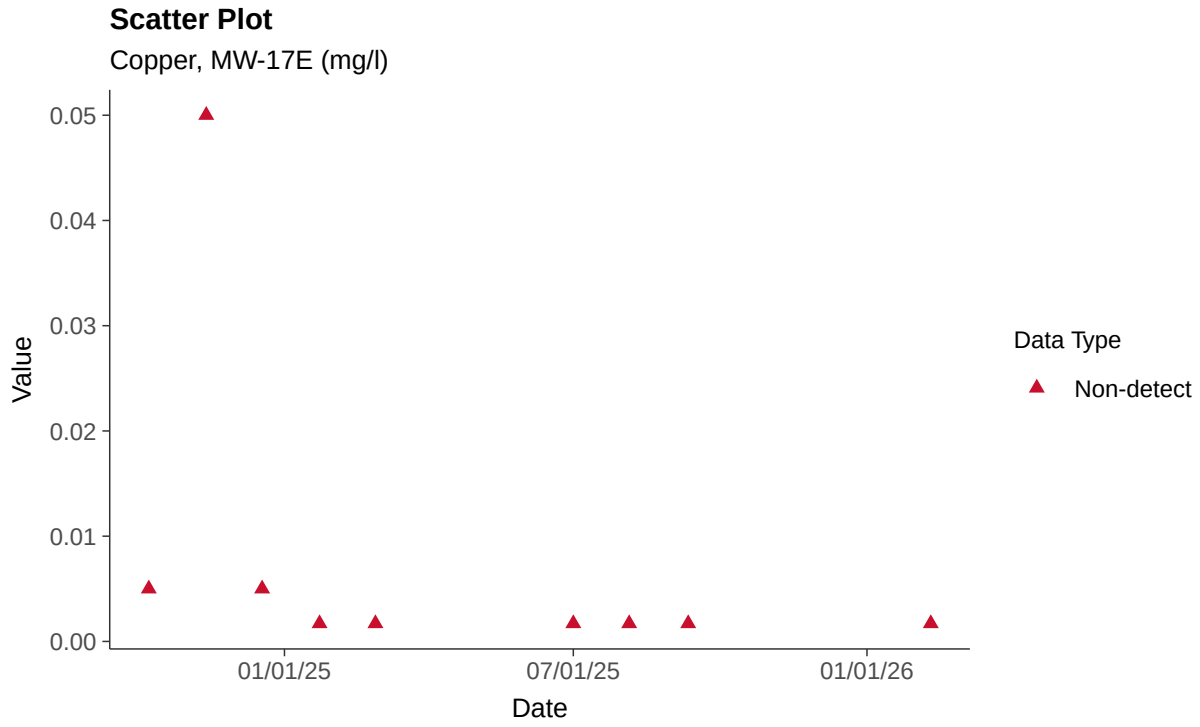
Trend Regression: Piecewise Linear-Linear-Linear

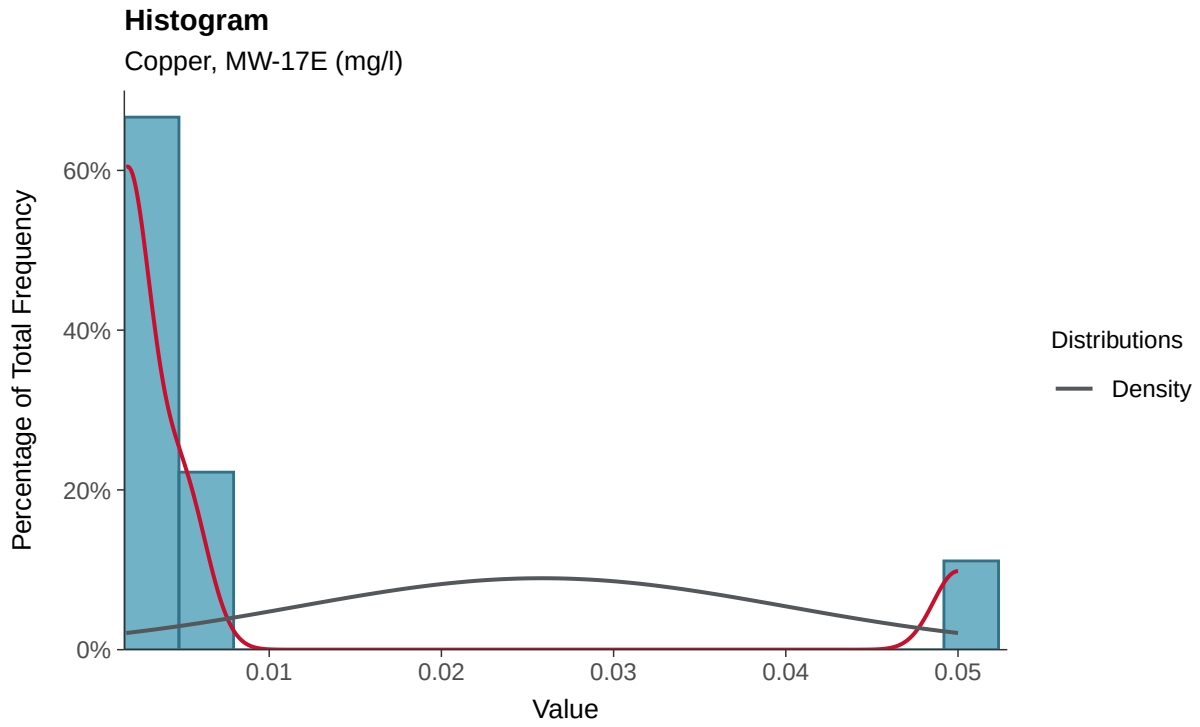
Thallium, MW-17E (mg/l)



Part 115: Copper, MW-17E

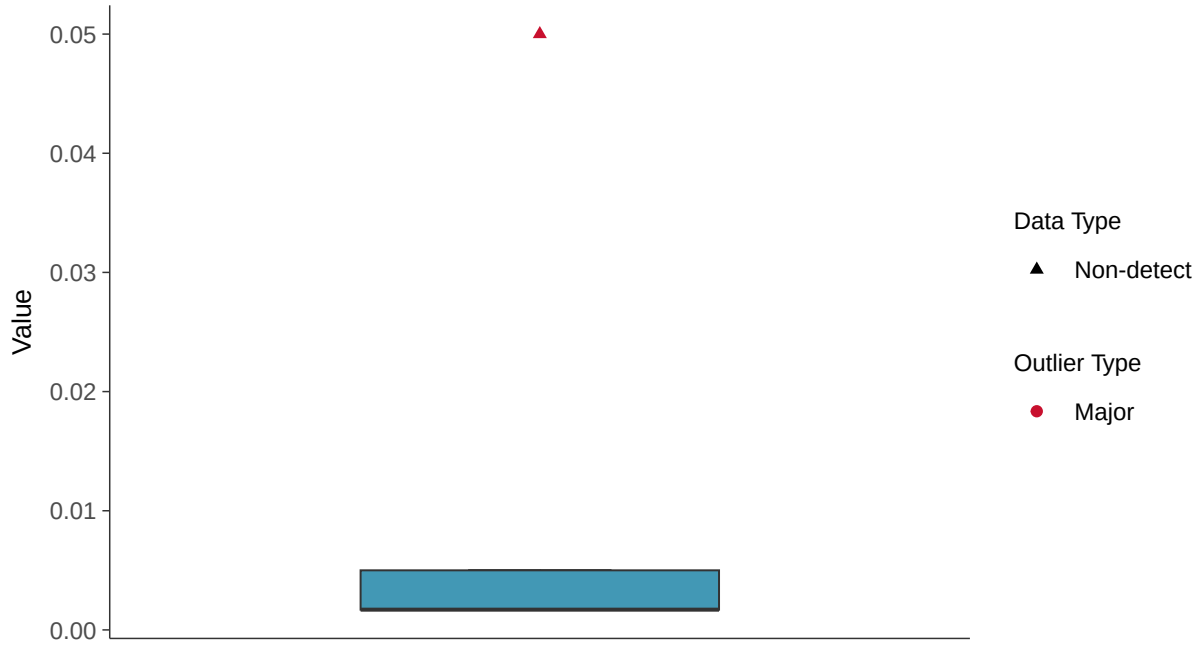
ID: 15_5_111





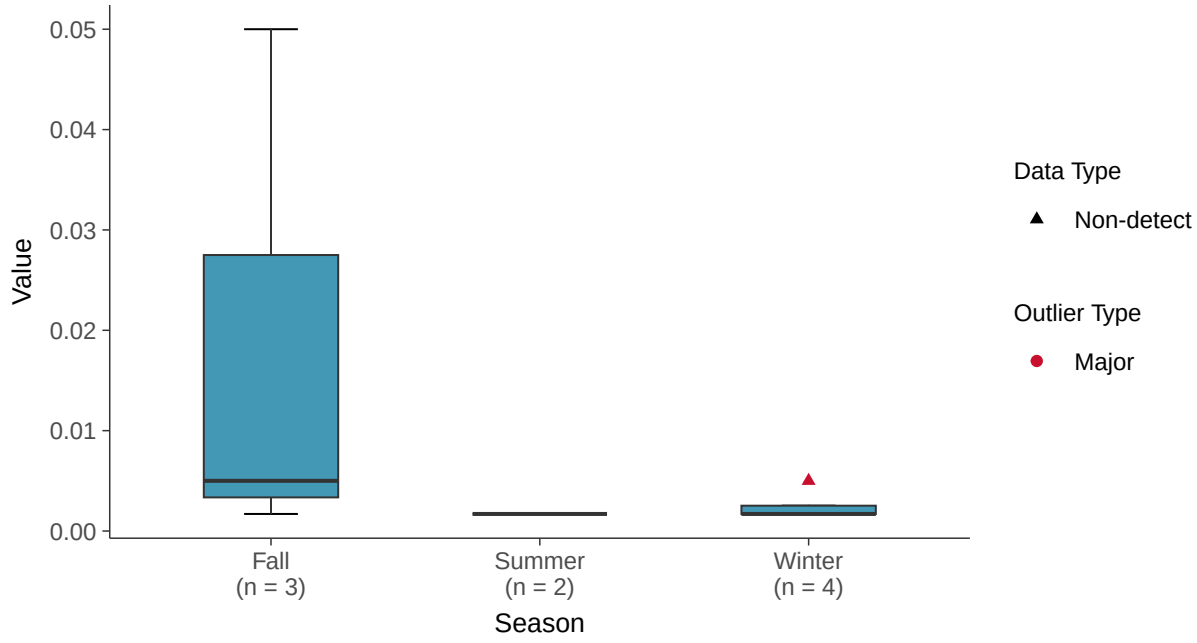
Boxplot

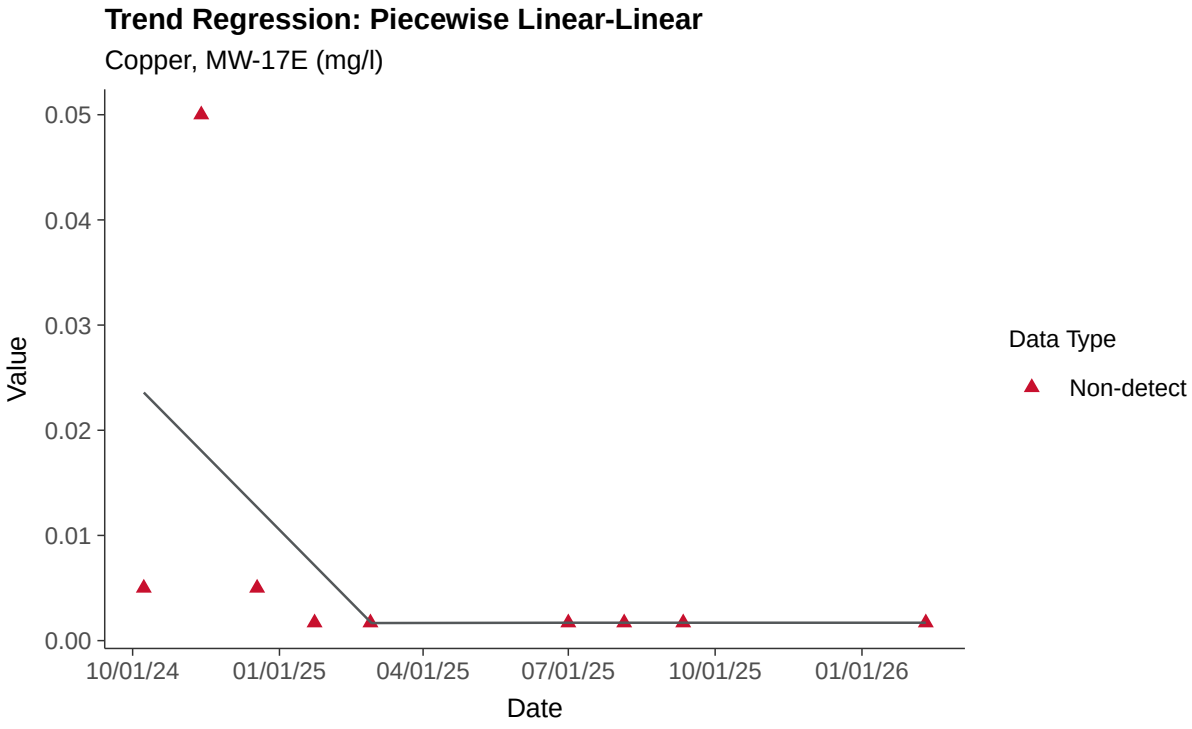
Copper, MW-17E (mg/l)



Boxplot by Season

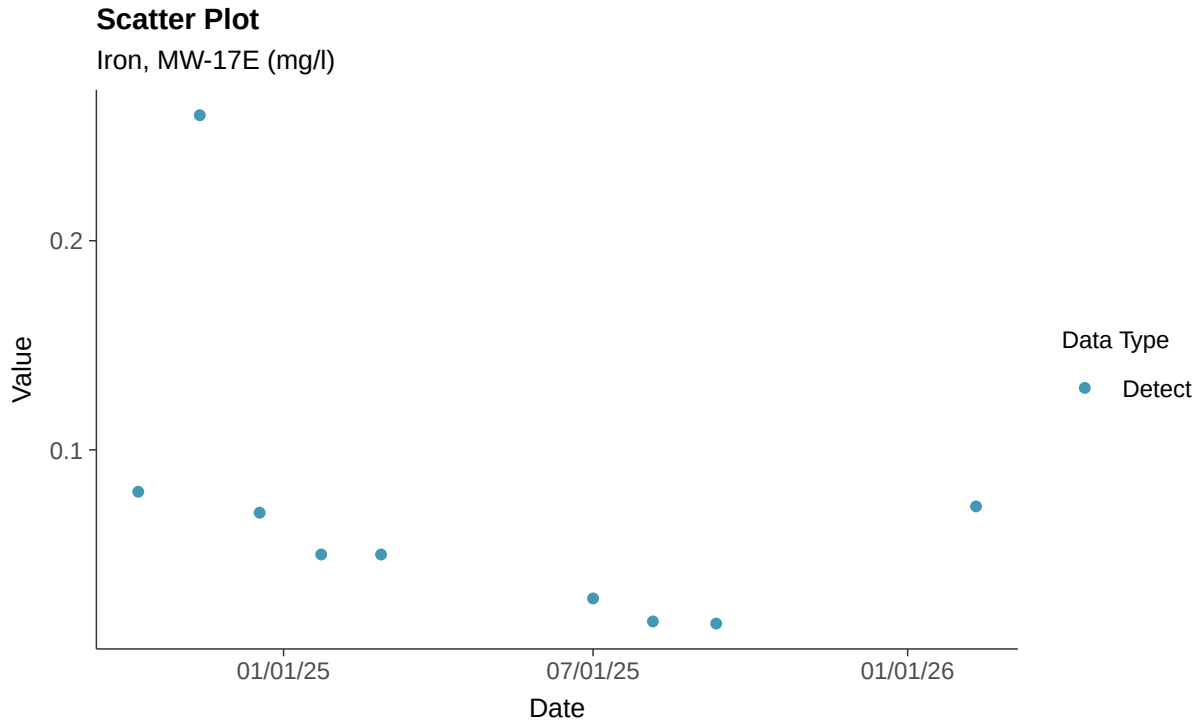
Copper, MW-17E (mg/l)

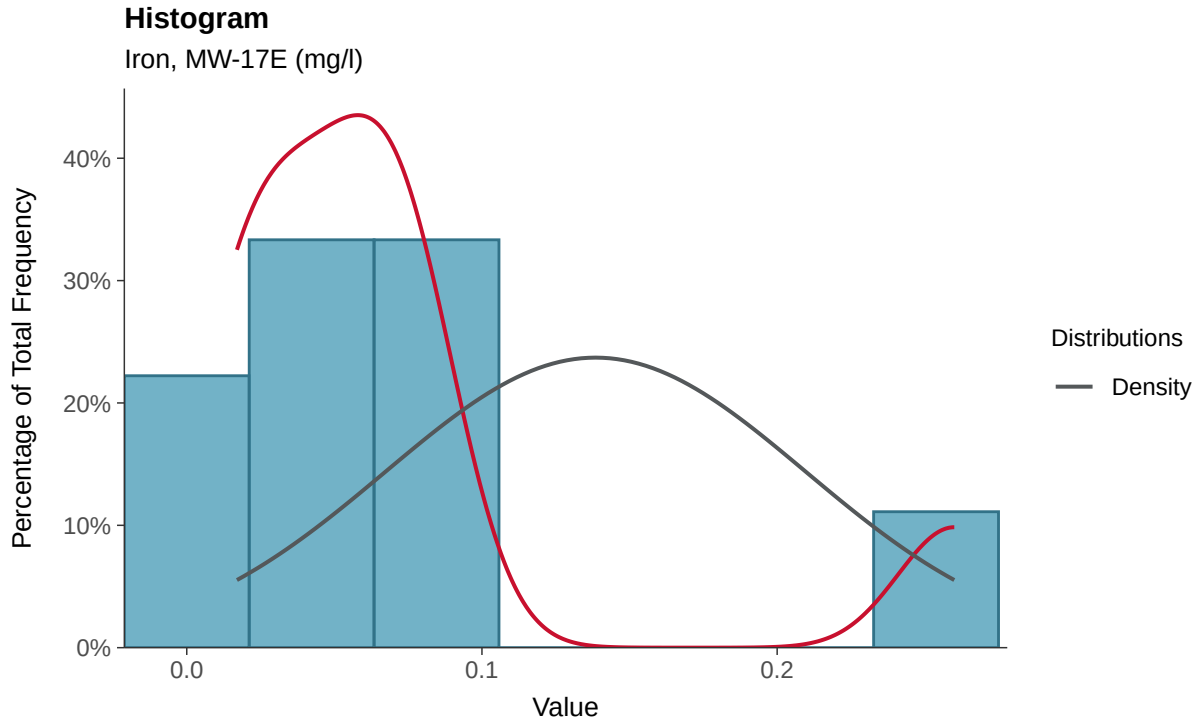



Trend Regression: Piecewise Linear-Linear
Copper, MW-17E (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Iron, MW-17E

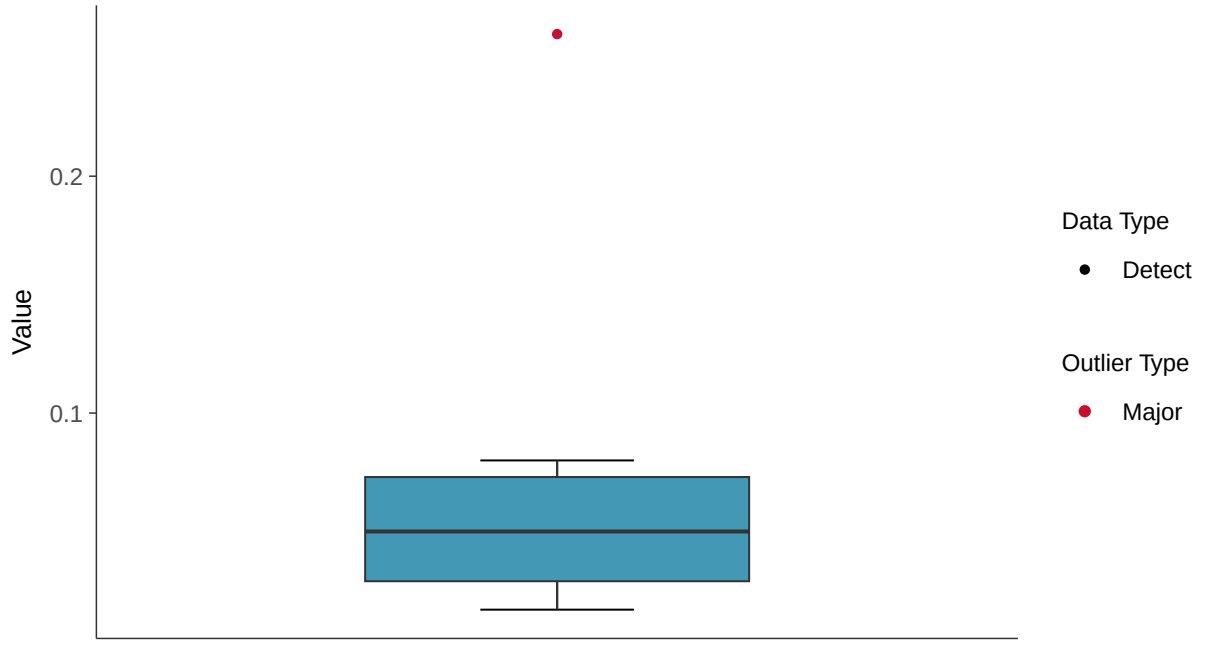
ID: 15_5_114





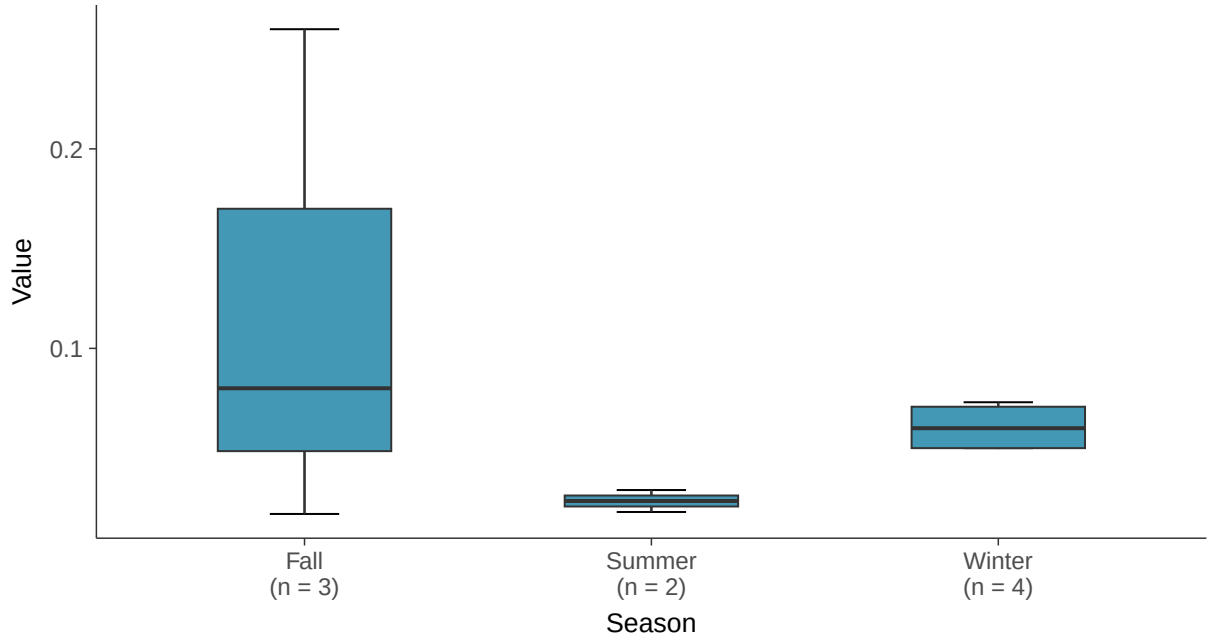
Boxplot

Iron, MW-17E (mg/l)



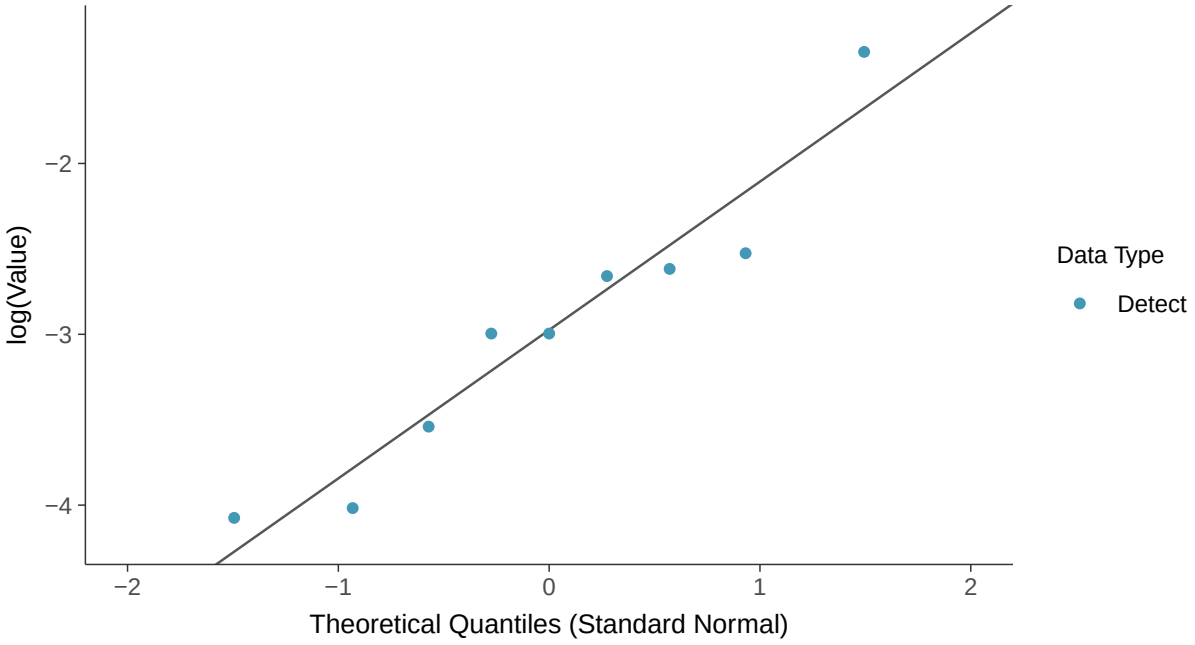
Boxplot by Season

Iron, MW-17E (mg/l)



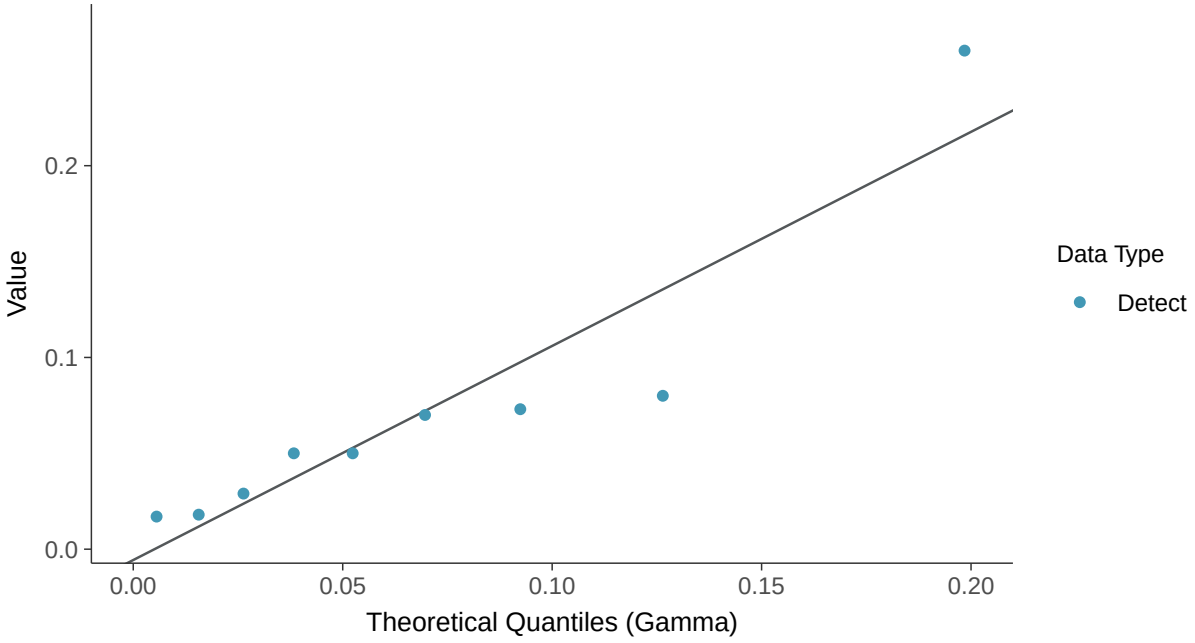
Lognormal Q-Q plot

Iron, MW-17E (mg/l)



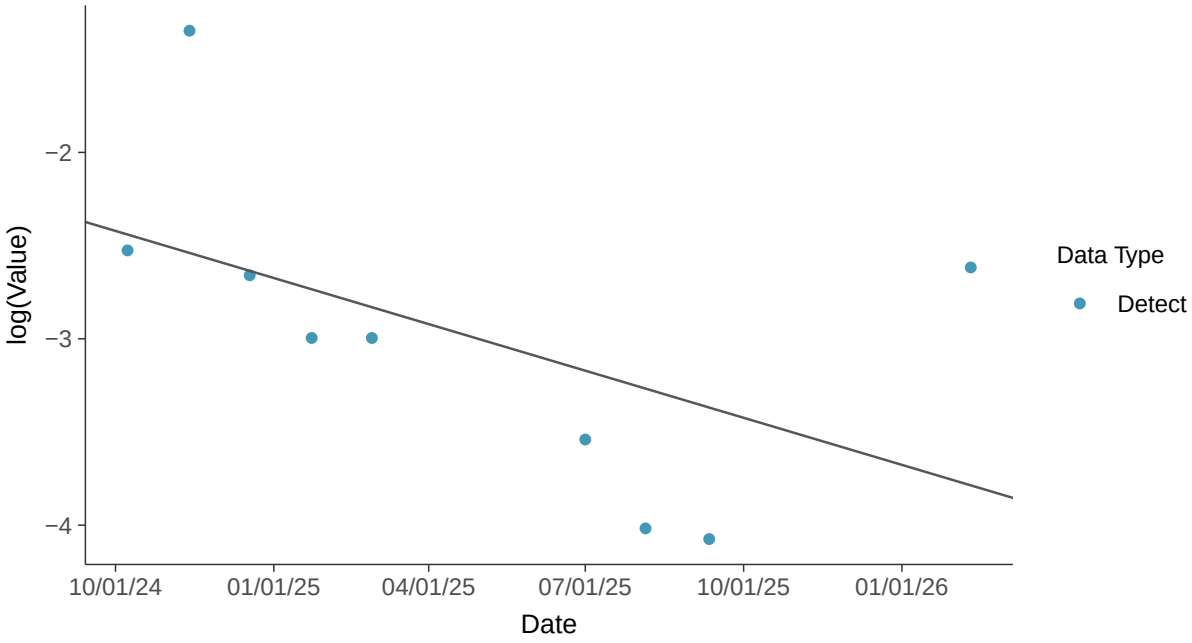
Gamma Q-Q plot

Iron, MW-17E (mg/l)



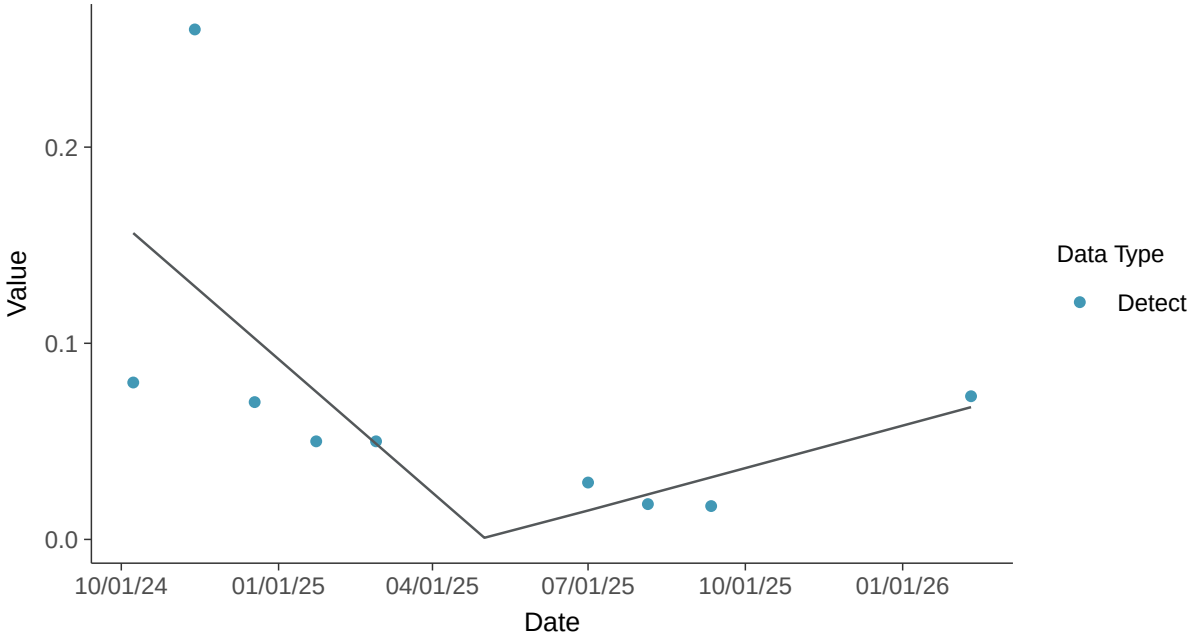
Trend Regression: Lognormal MLE

Iron, MW-17E (mg/l)



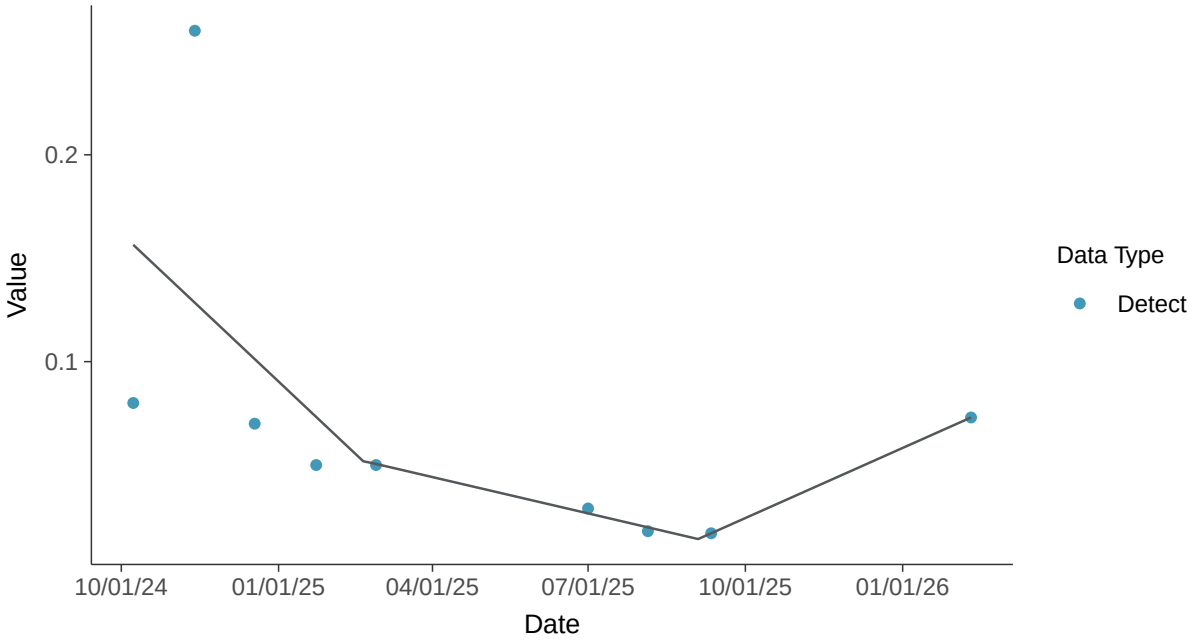
Trend Regression: Piecewise Linear-Linear

Iron, MW-17E (mg/l)



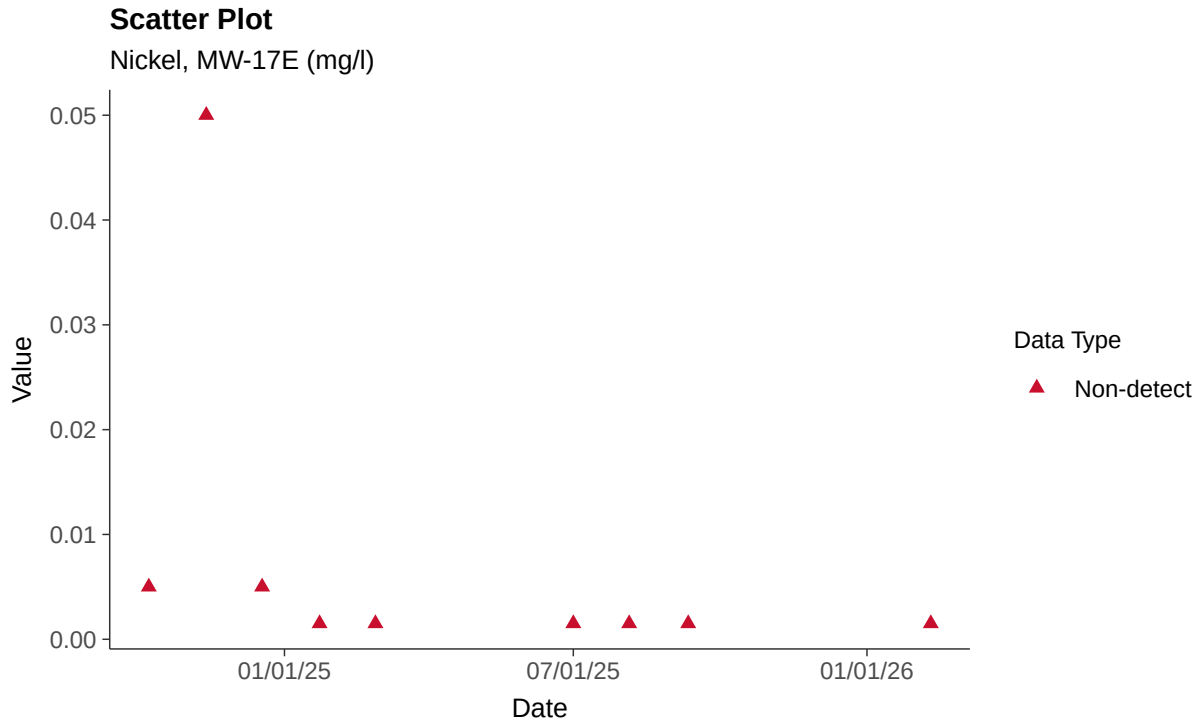
Trend Regression: Piecewise Linear-Linear-Linear

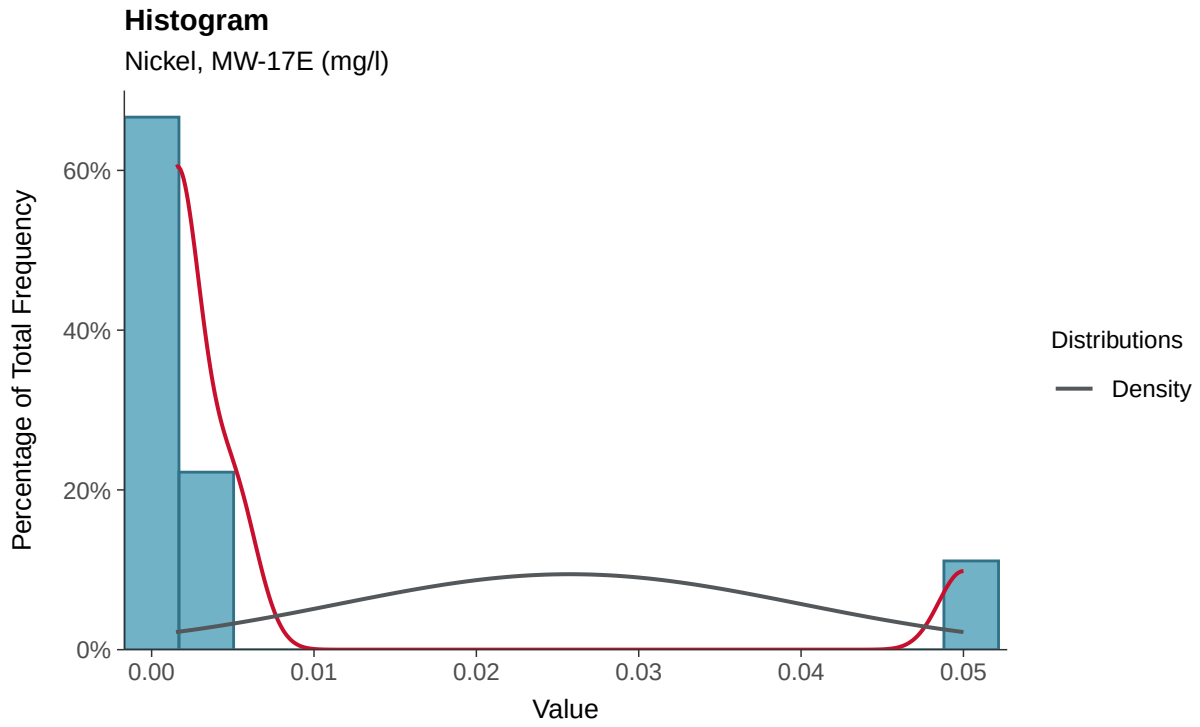
Iron, MW-17E (mg/l)



Part 115: Nickel, MW-17E

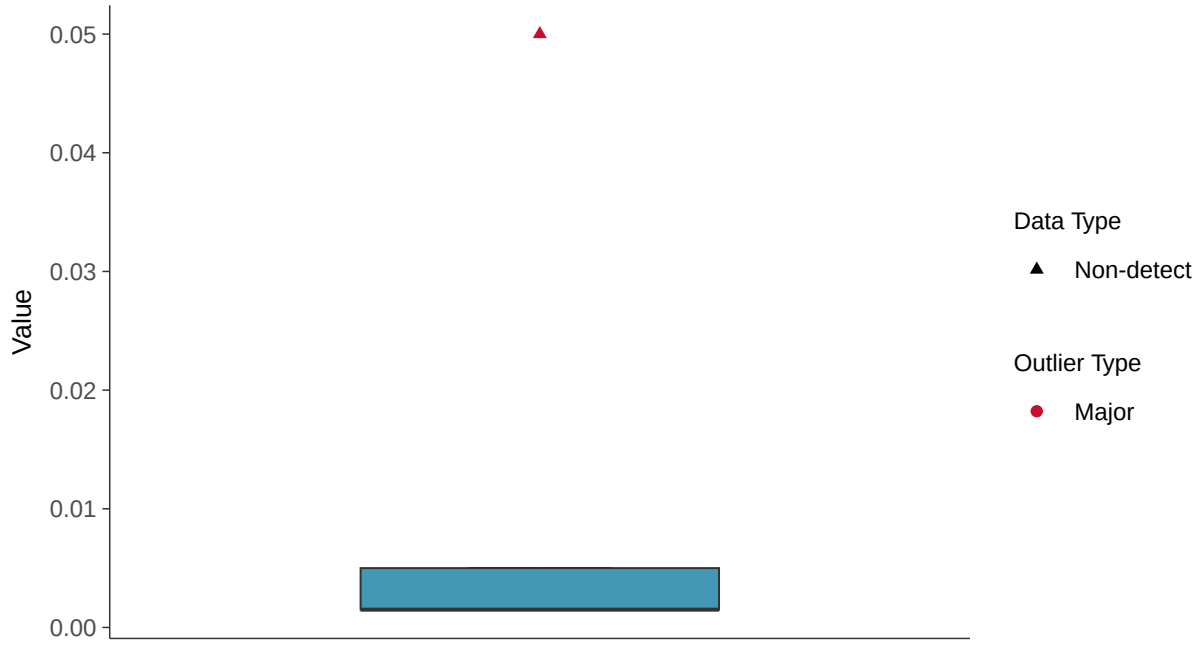
ID: 15_5_119





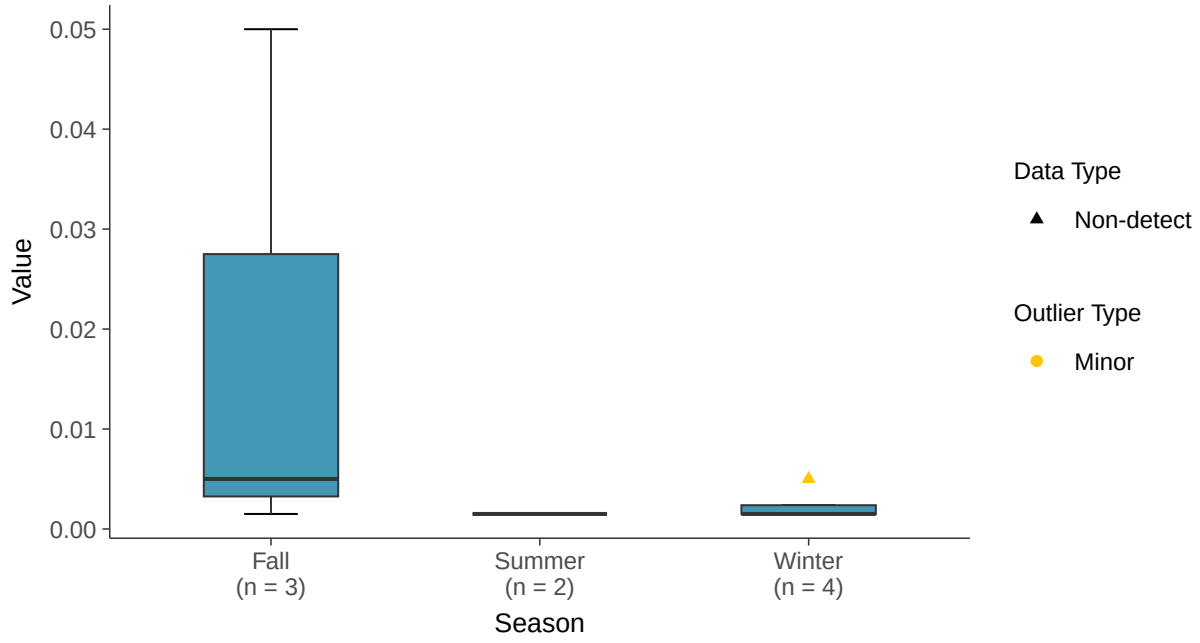
Boxplot

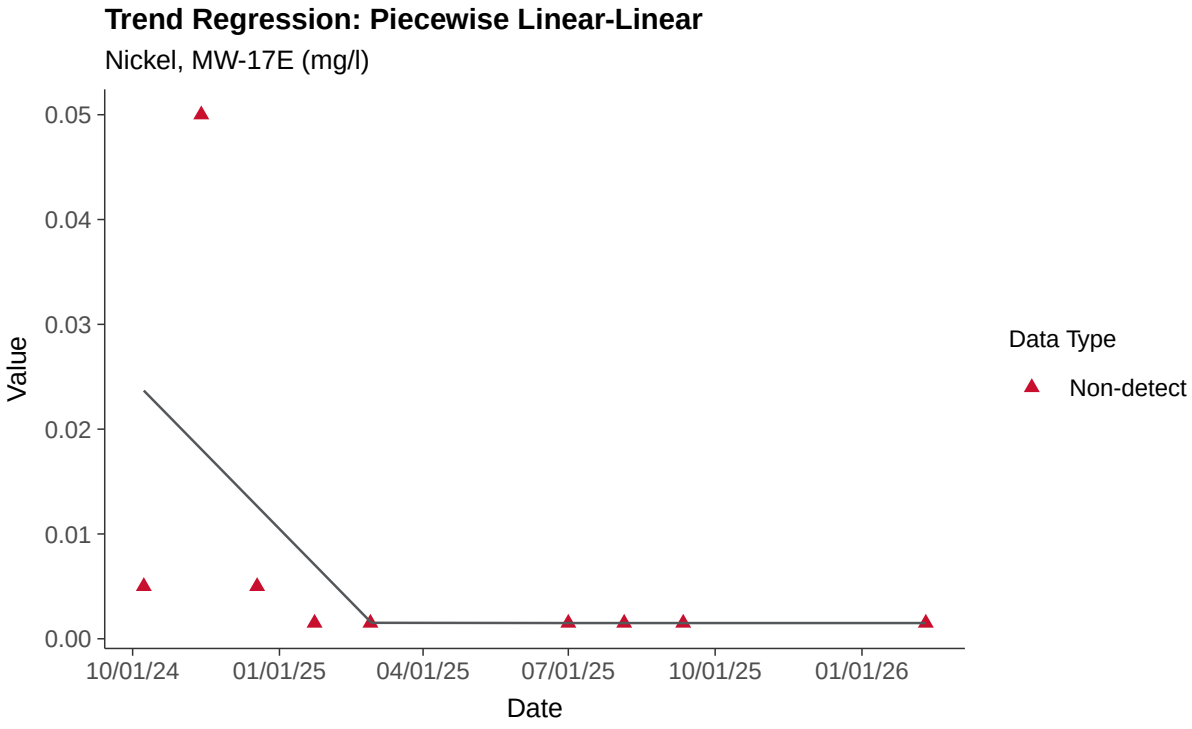
Nickel, MW-17E (mg/l)



Boxplot by Season

Nickel, MW-17E (mg/l)



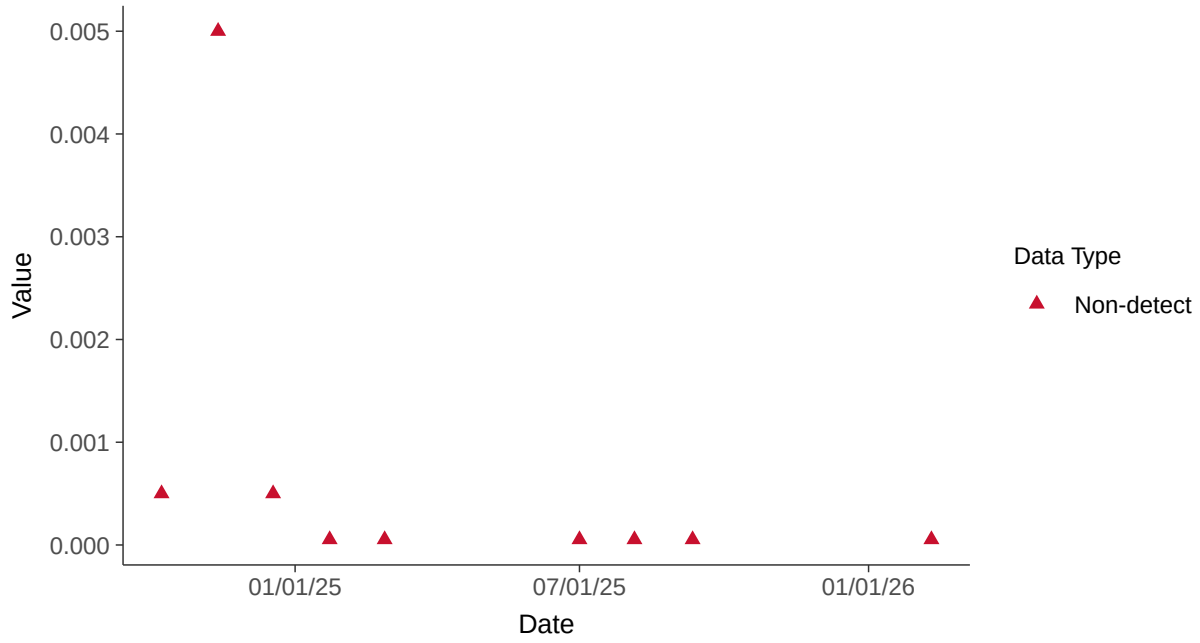

Trend Regression: Piecewise Linear-Linear
Nickel, MW-17E (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Silver, MW-17E

ID: 15_5_123

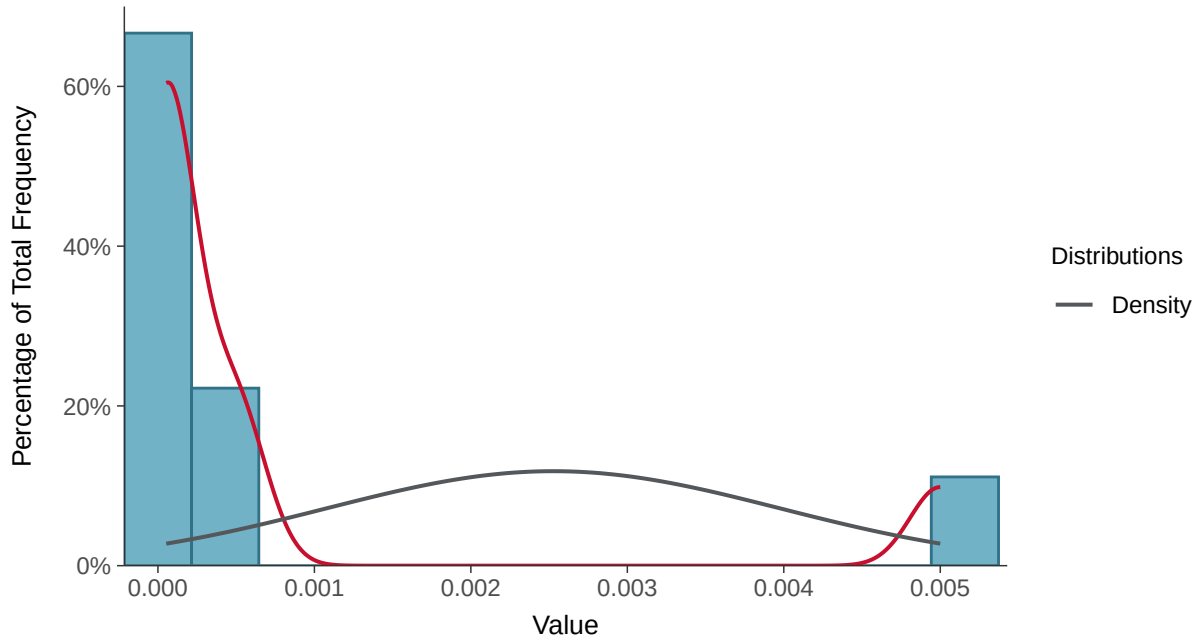
Scatter Plot

Silver, MW-17E (mg/l)



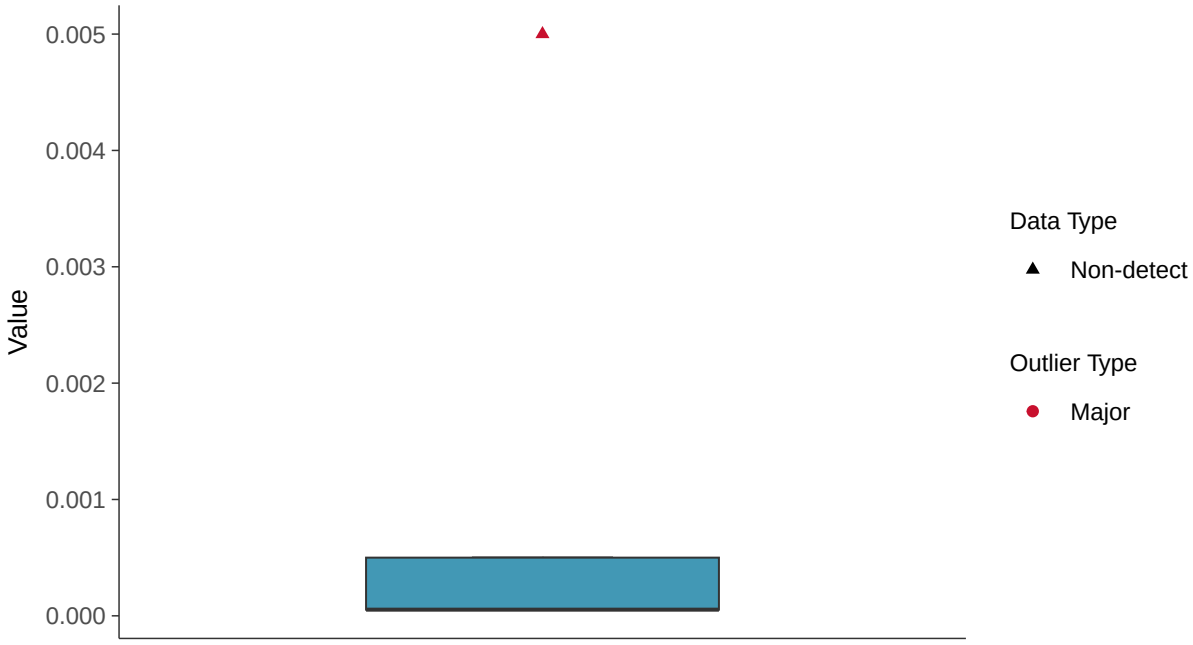
Histogram

Silver, MW-17E (mg/l)



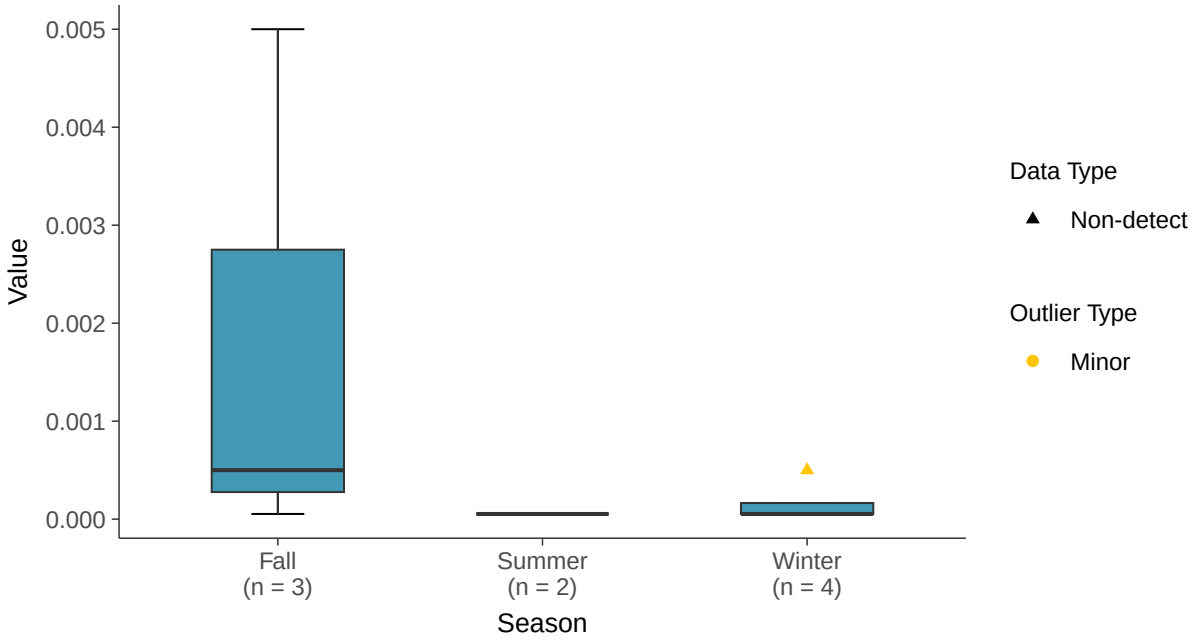
Boxplot

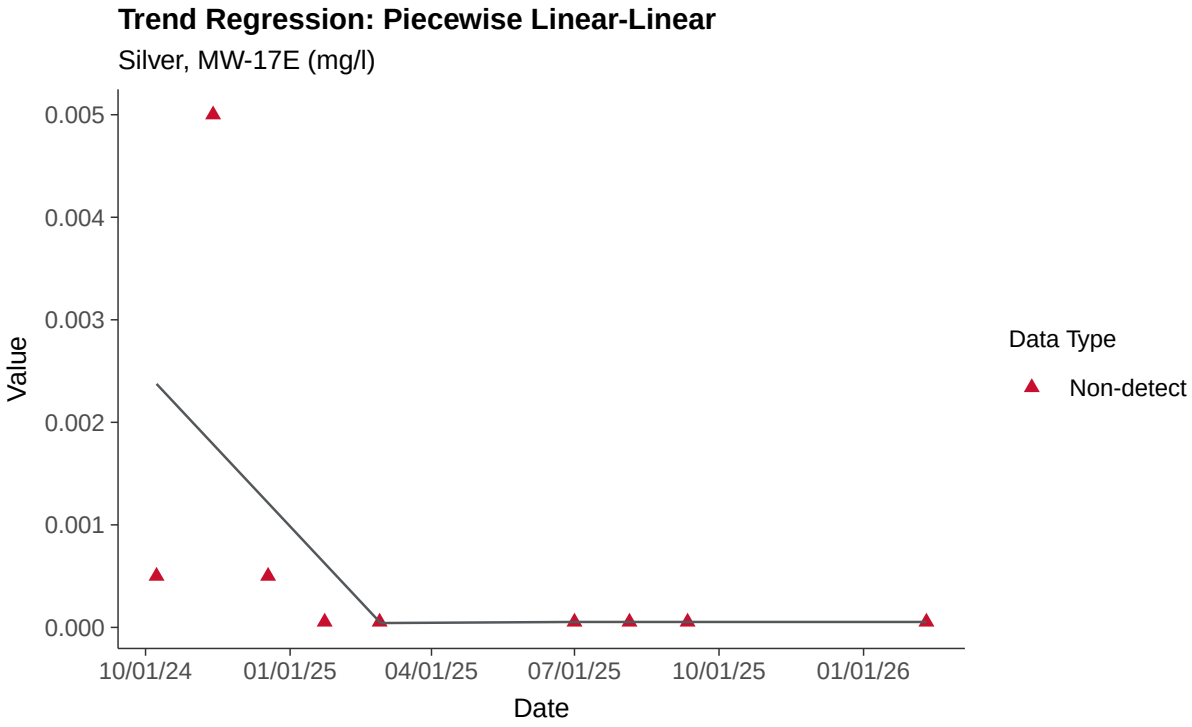
Silver, MW-17E (mg/l)



Boxplot by Season

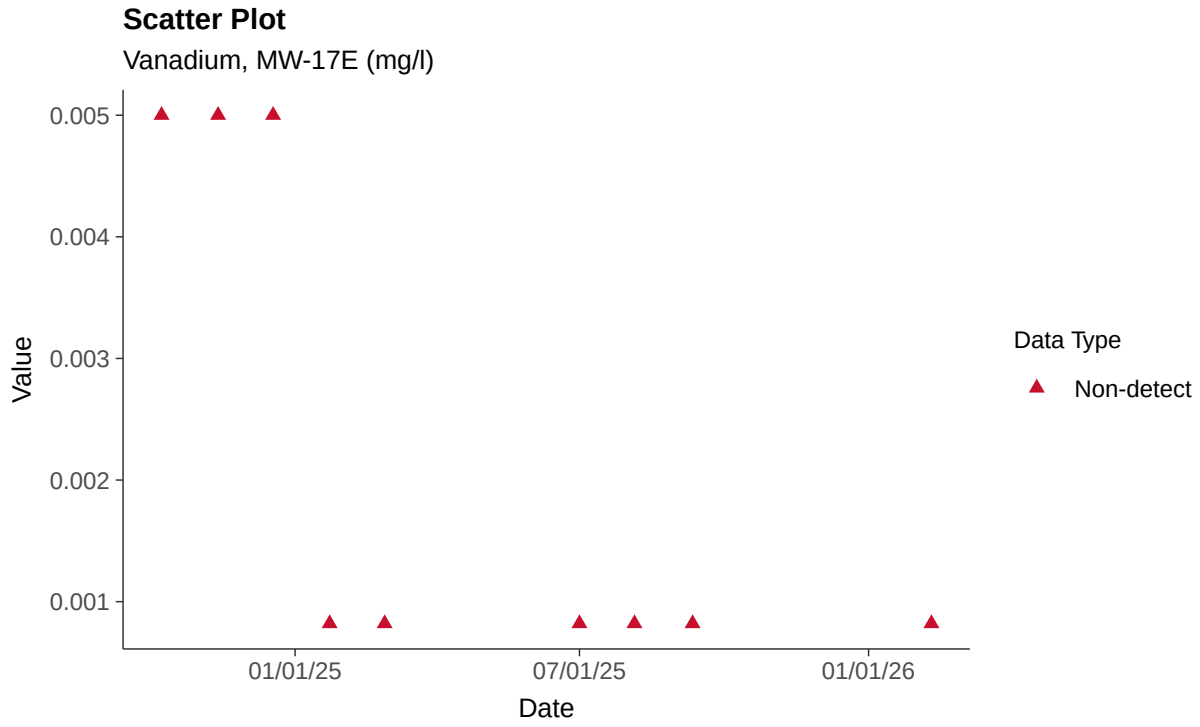
Silver, MW-17E (mg/l)

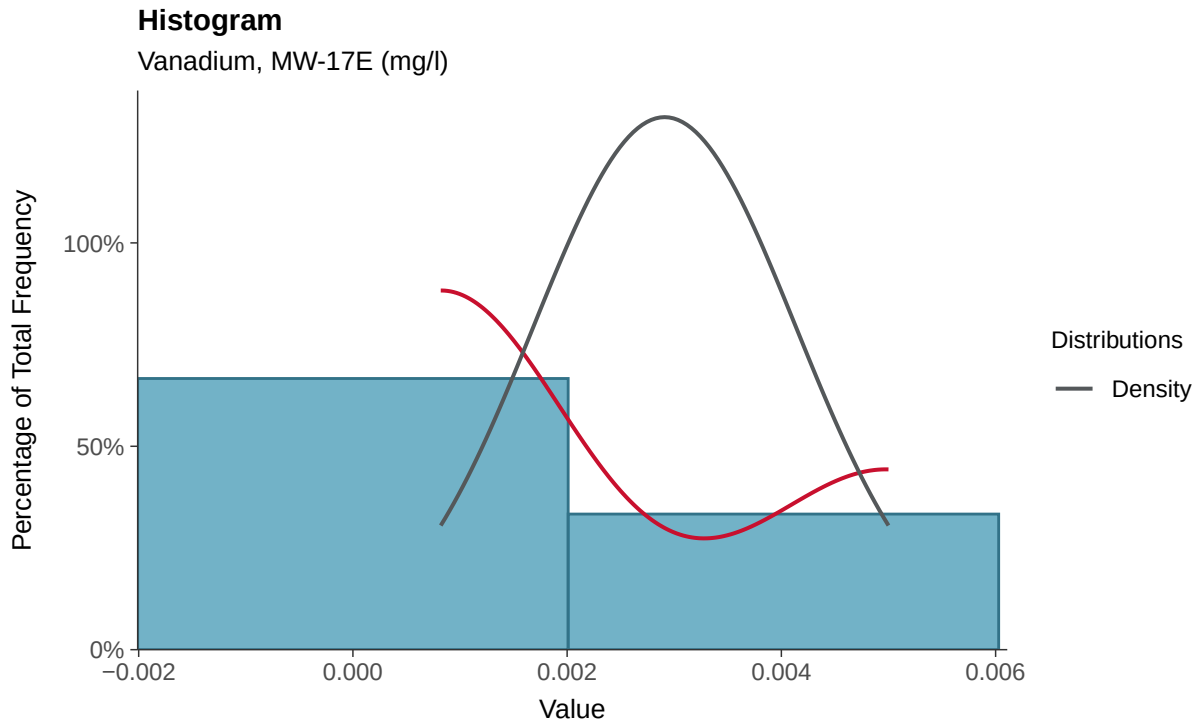



Trend Regression: Piecewise Linear-Linear
Silver, MW-17E (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Vanadium, MW-17E

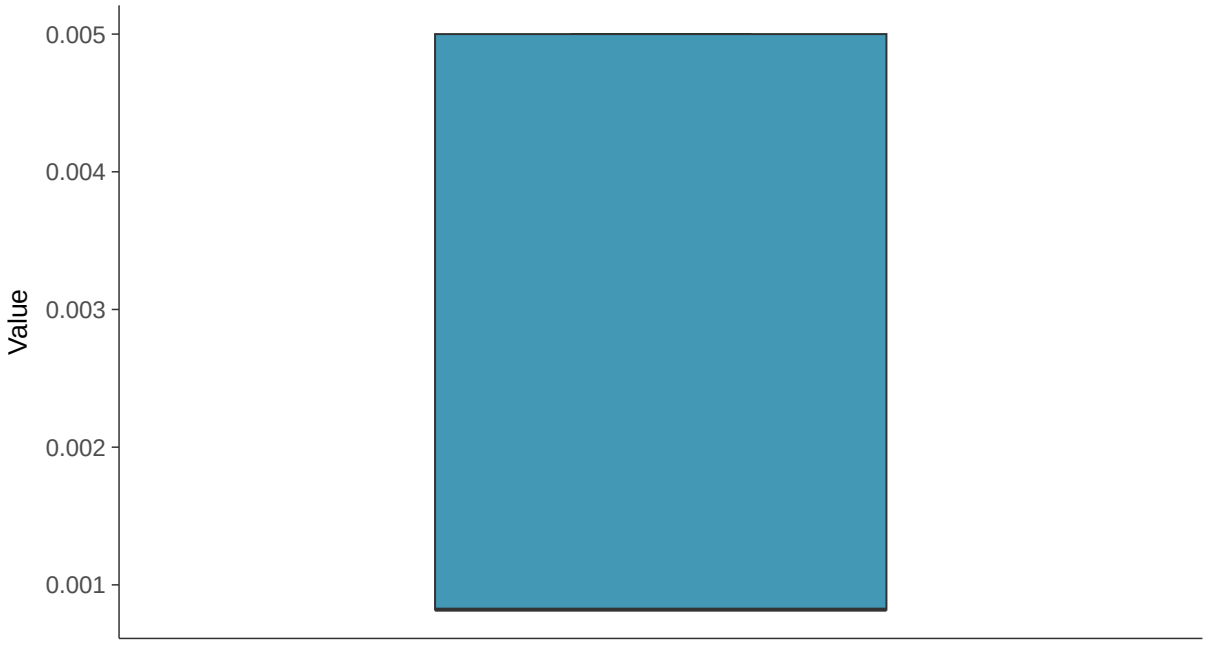
ID: 15_5_128





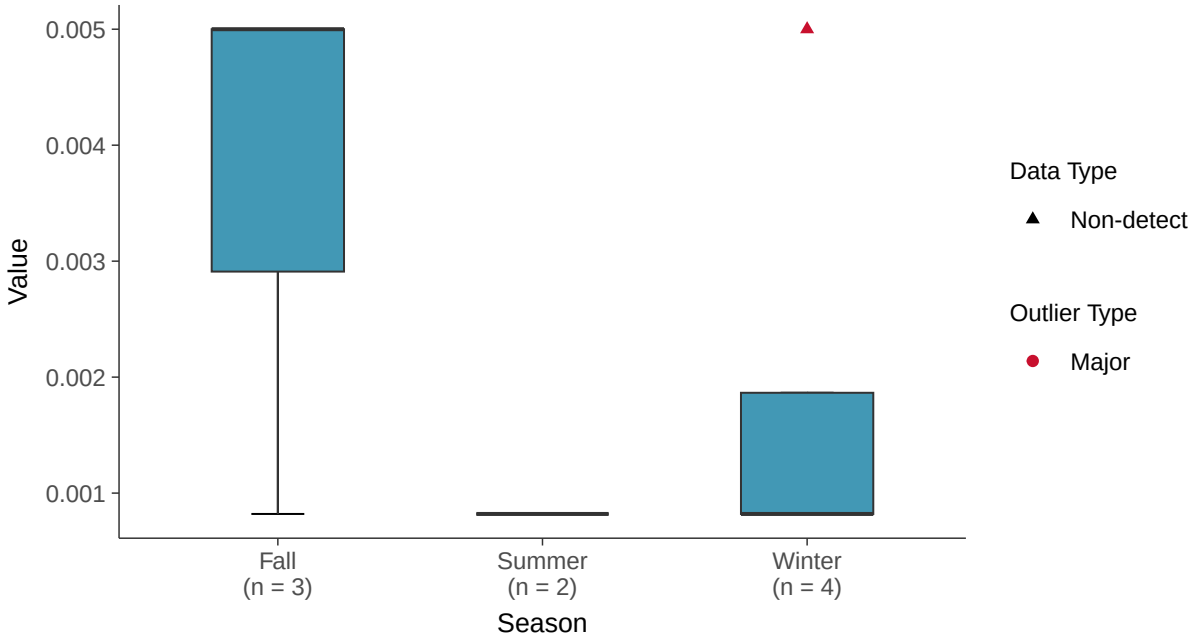
Boxplot

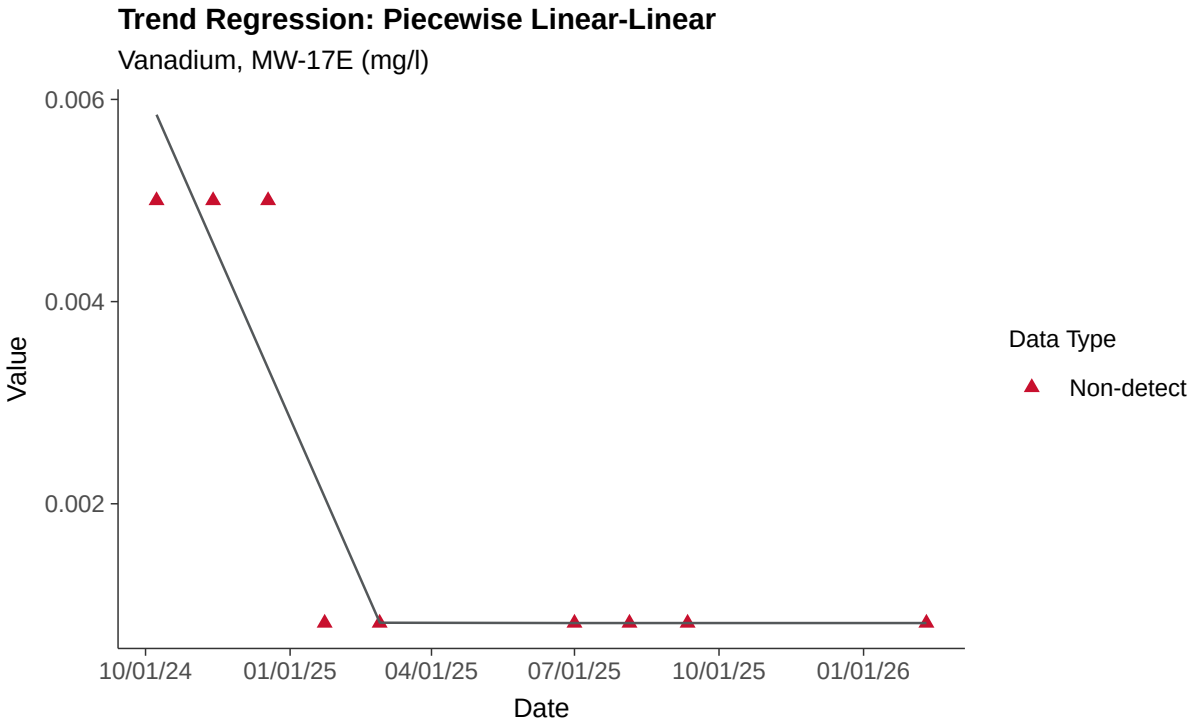
Vanadium, MW-17E (mg/l)



Boxplot by Season

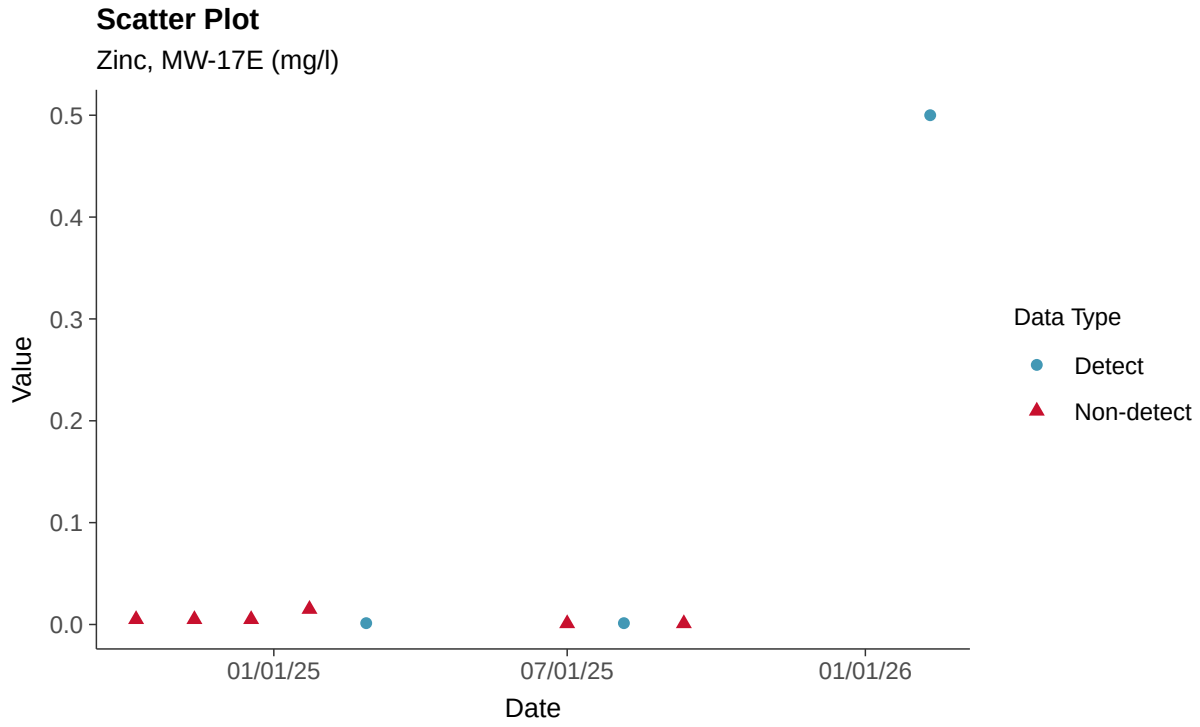
Vanadium, MW-17E (mg/l)

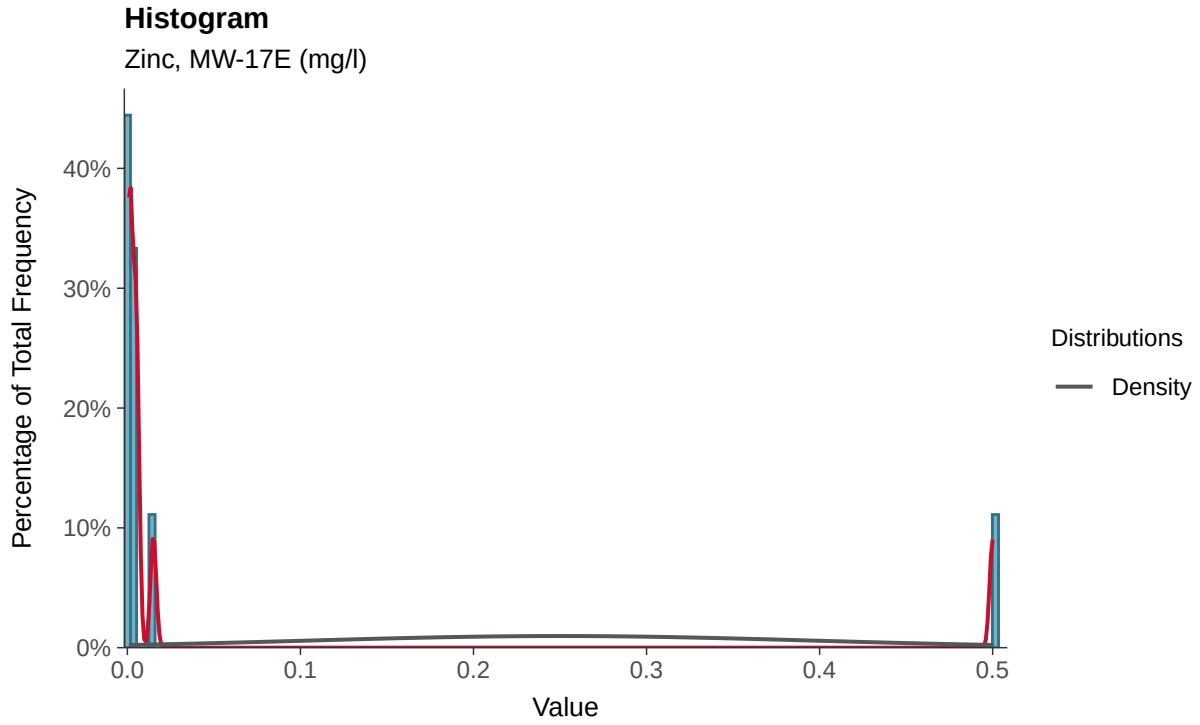



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-17E (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-17E

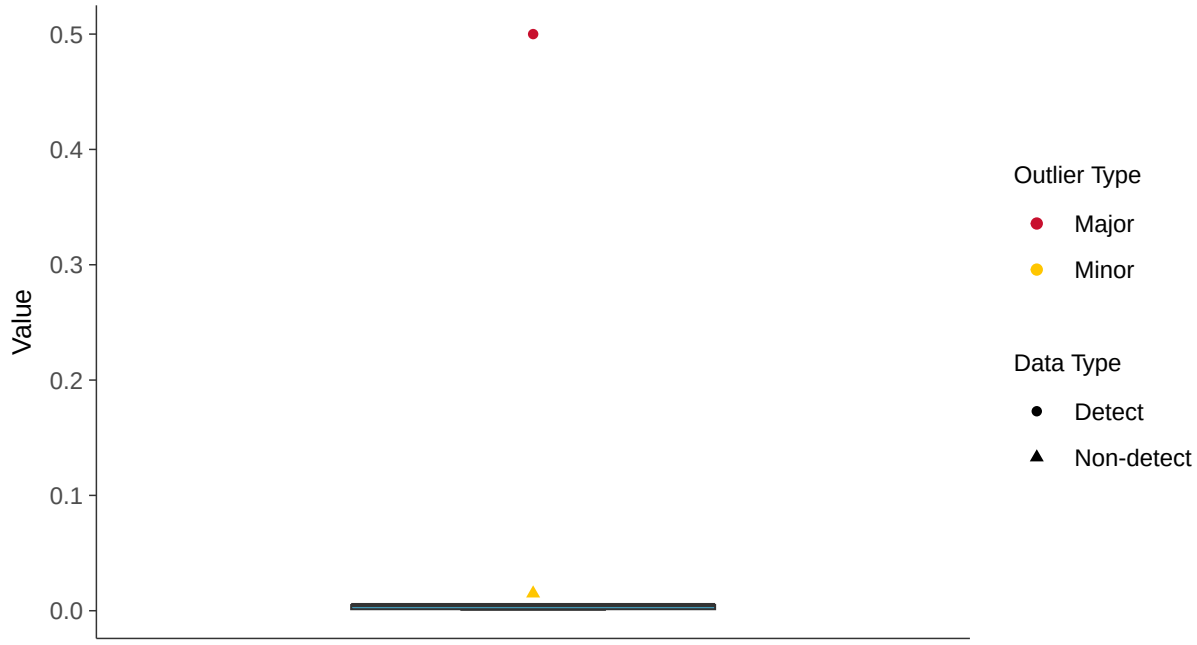
ID: 15_5_129





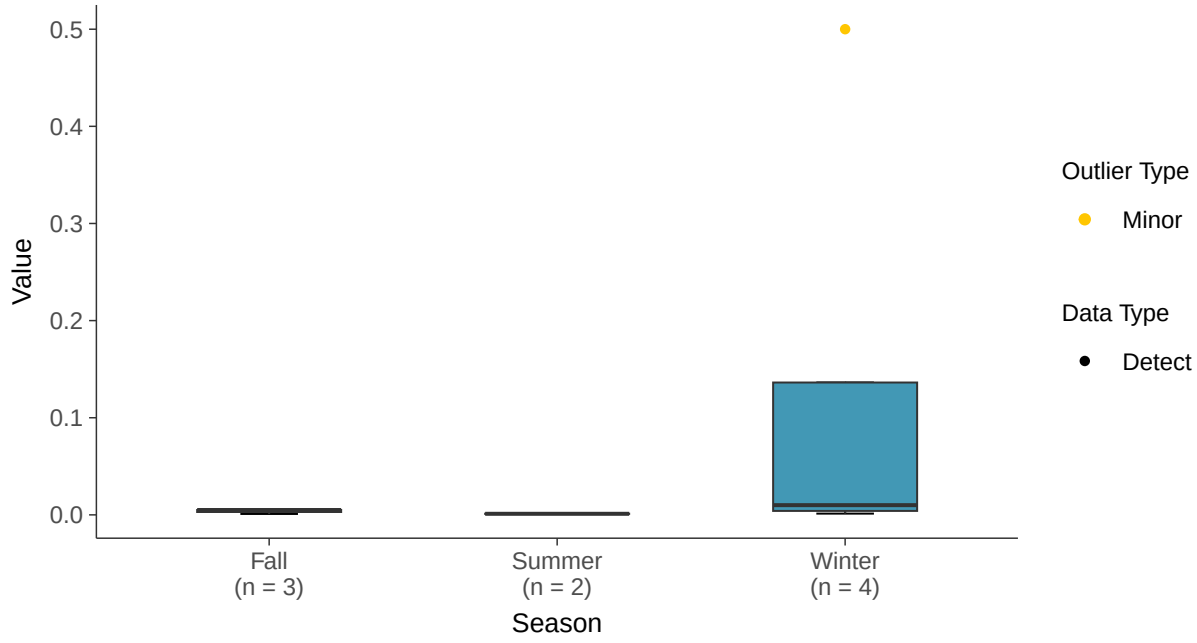
Boxplot

Zinc, MW-17E (mg/l)



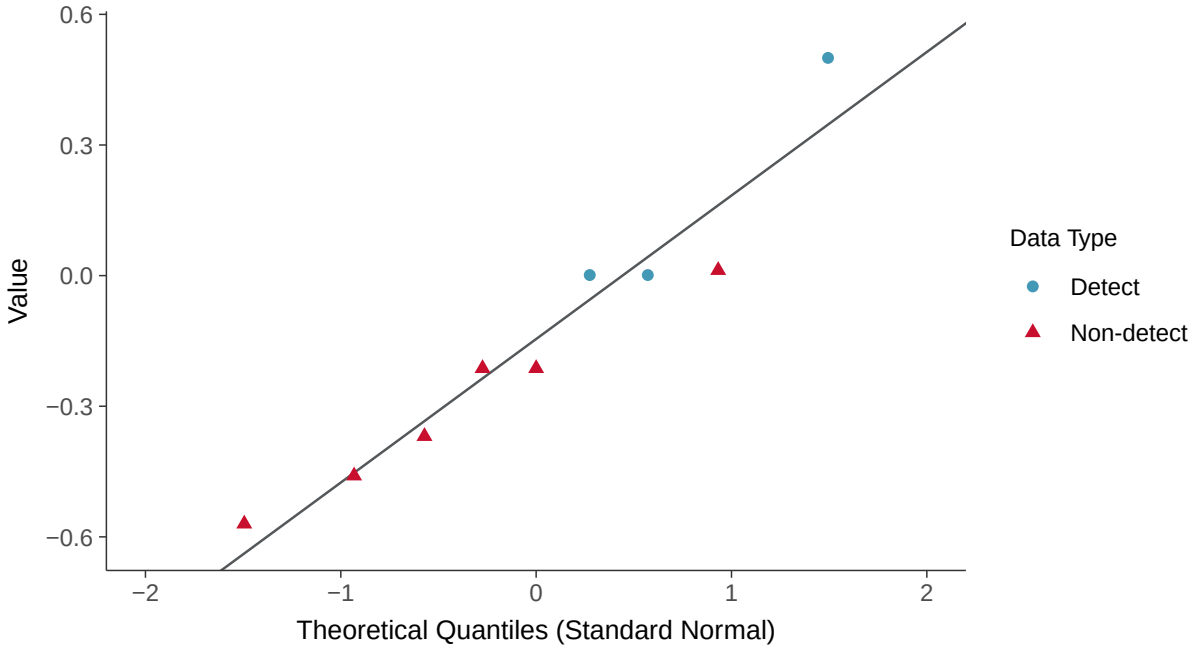
Boxplot by Season

Zinc, MW-17E (mg/l)



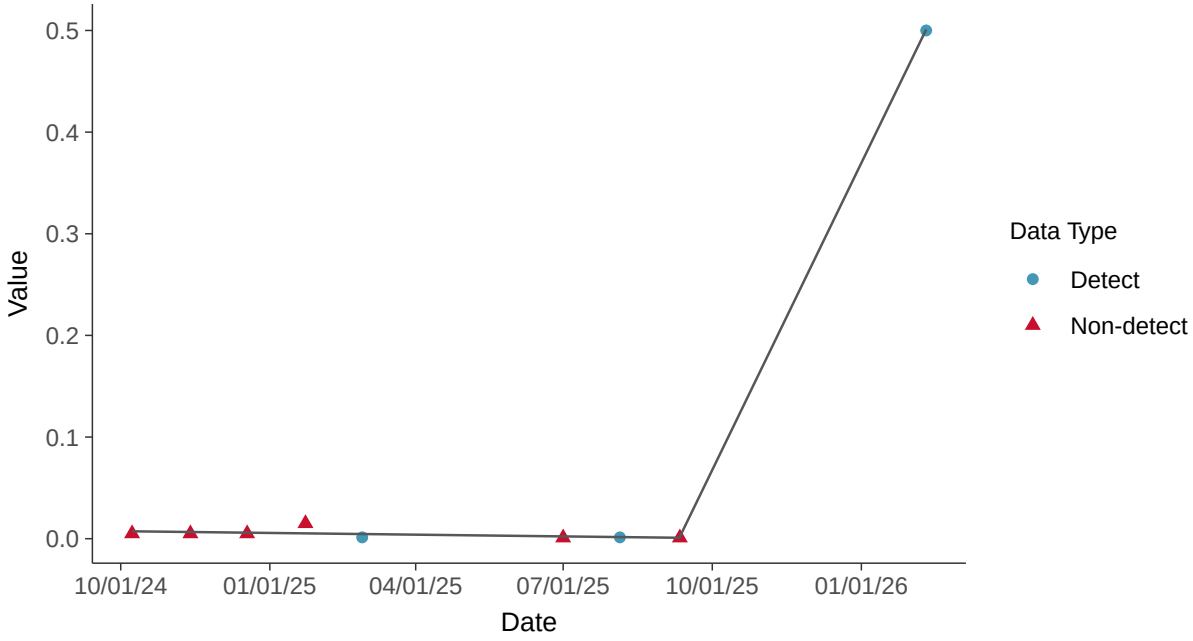
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-17E (mg/l)



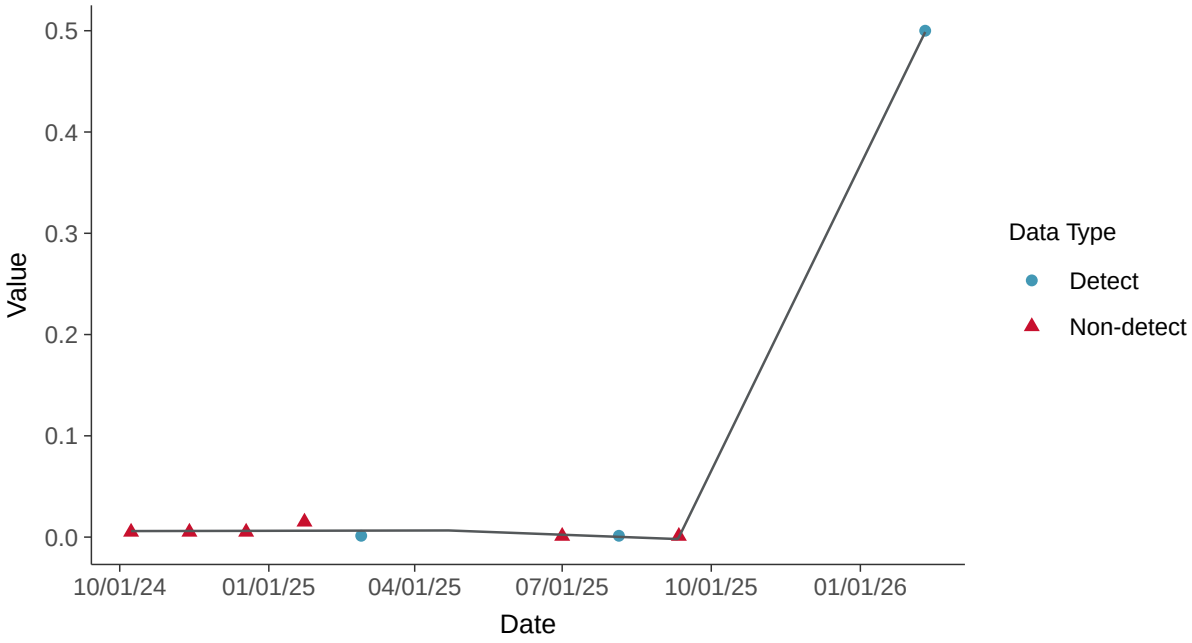
Trend Regression: Piecewise Linear-Linear

Zinc, MW-17E (mg/l)



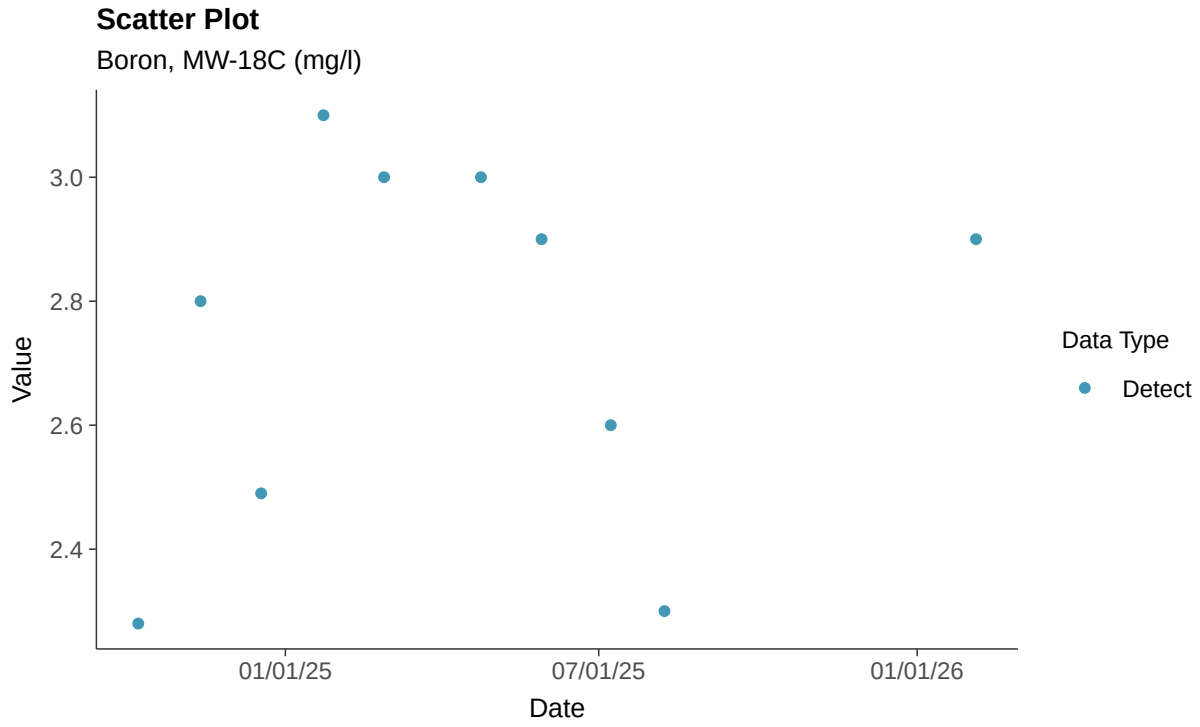
Trend Regression: Piecewise Linear-Linear-Linear

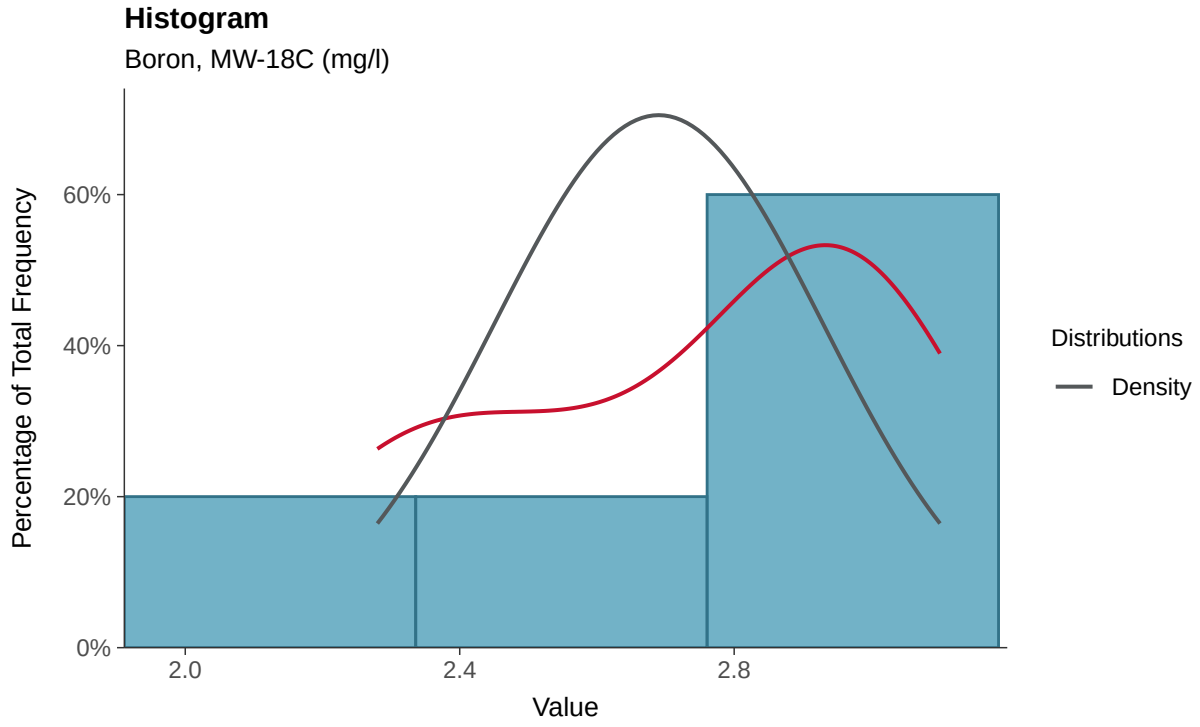
Zinc, MW-17E (mg/l)



Appendix III: Boron, MW-18C

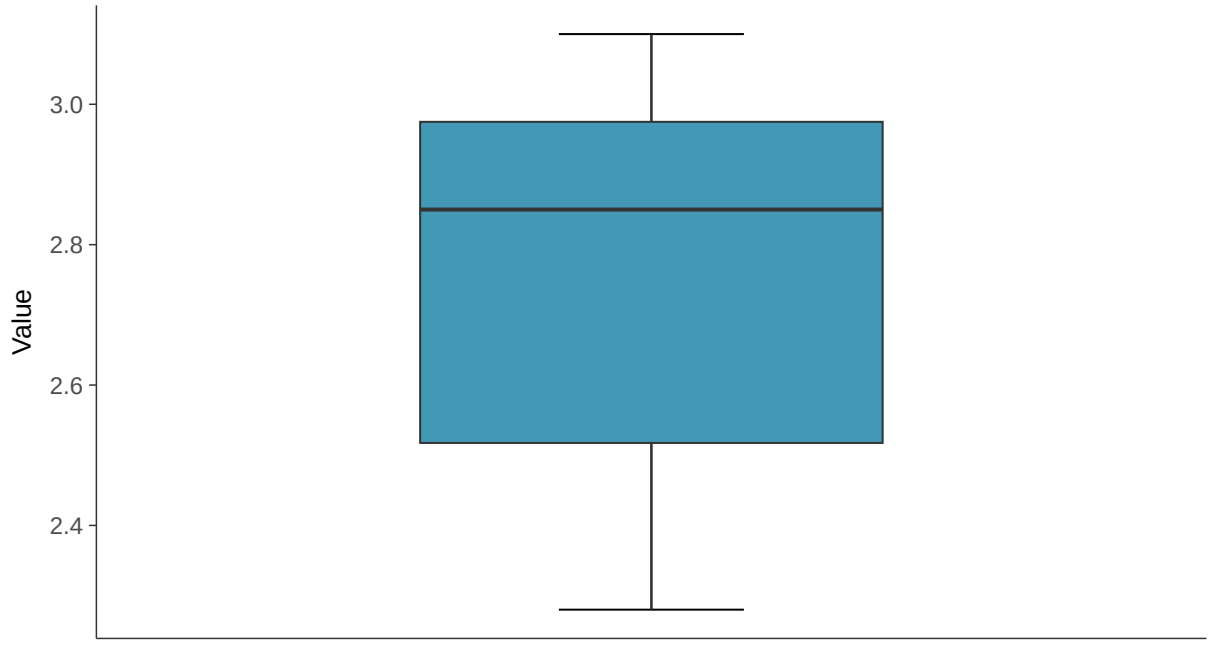
ID: 16_2_105





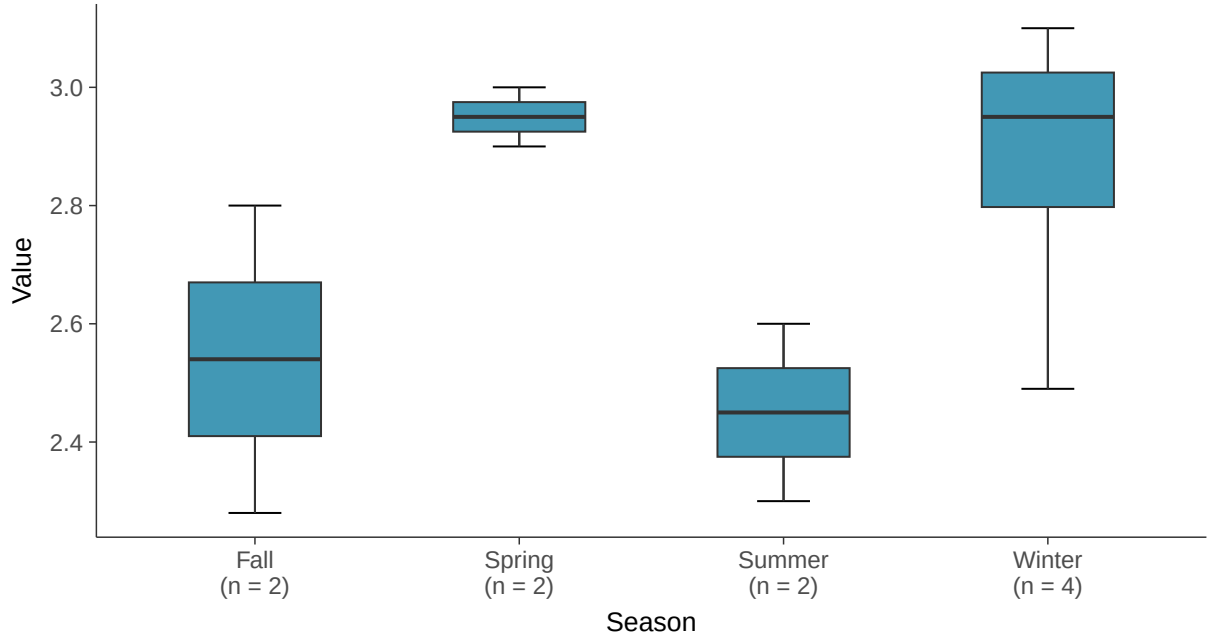
Boxplot

Boron, MW-18C (mg/l)



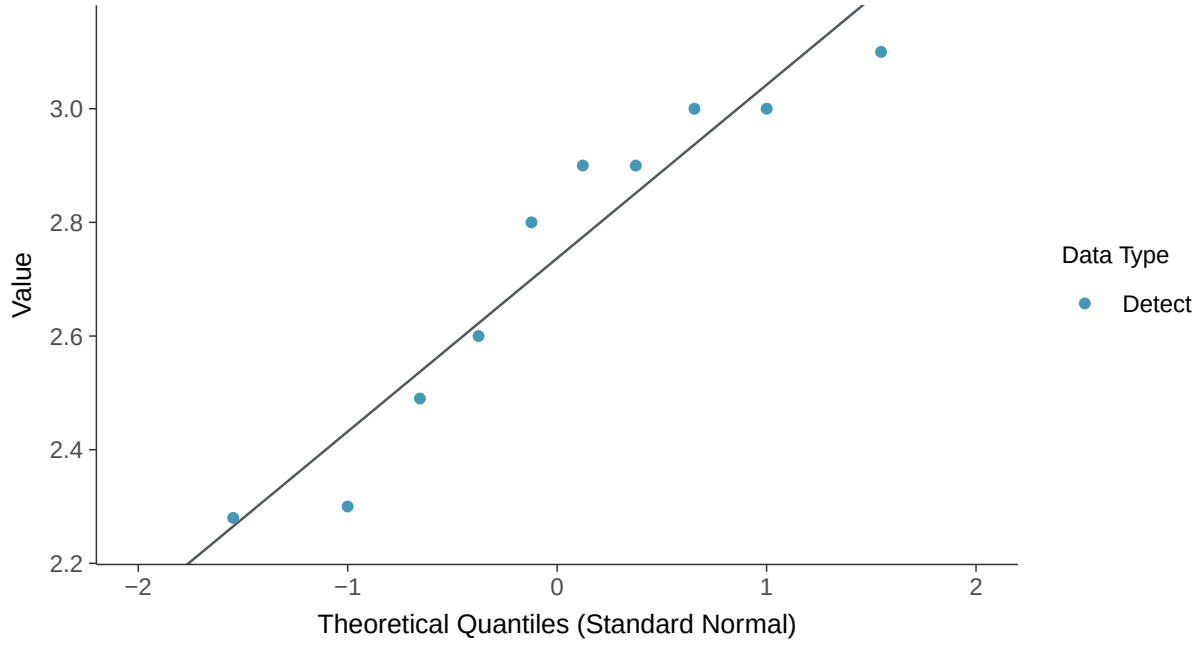
Boxplot by Season

Boron, MW-18C (mg/l)



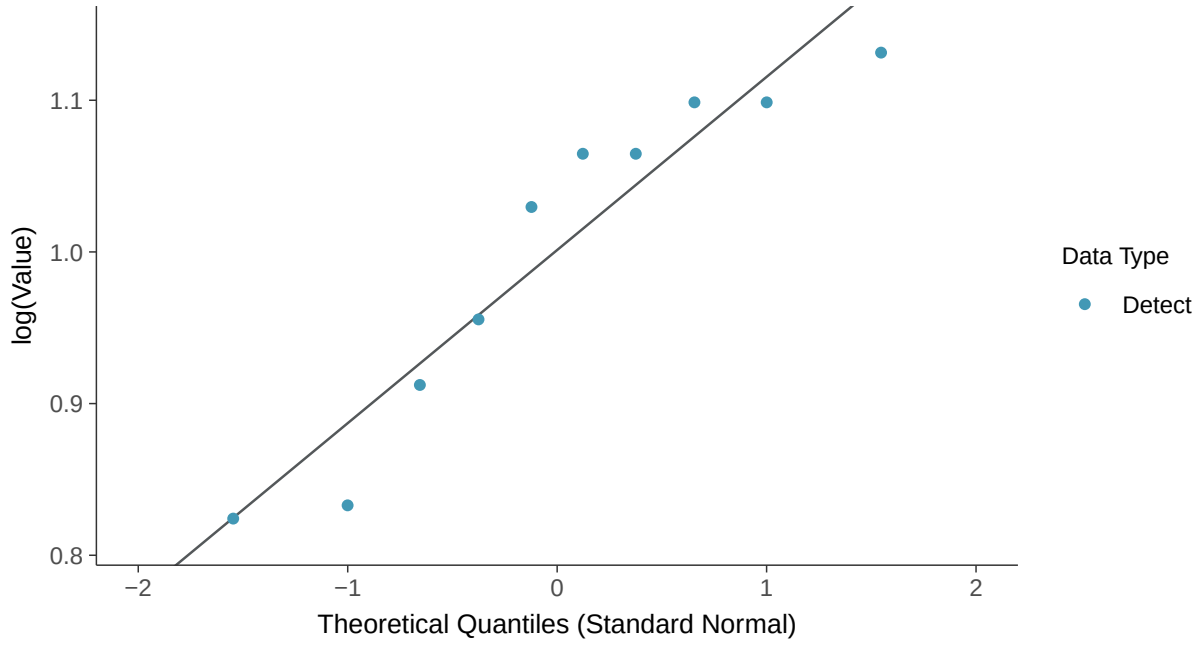
Normal Q-Q plot

Boron, MW-18C (mg/l)



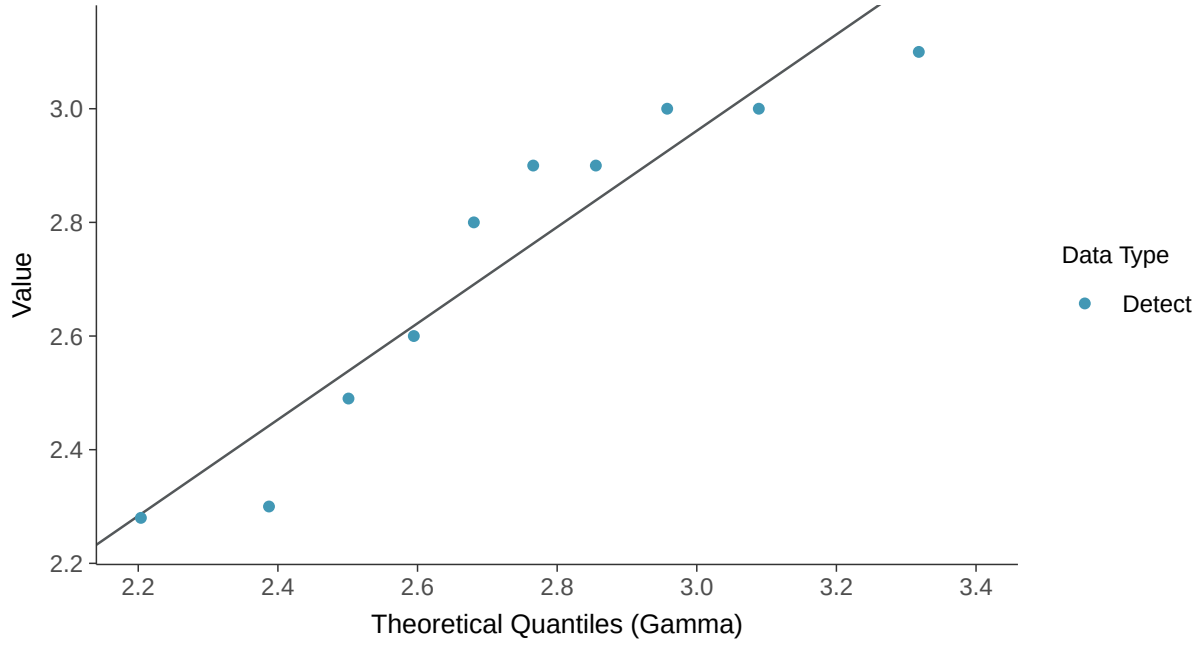
Lognormal Q-Q plot

Boron, MW-18C (mg/l)



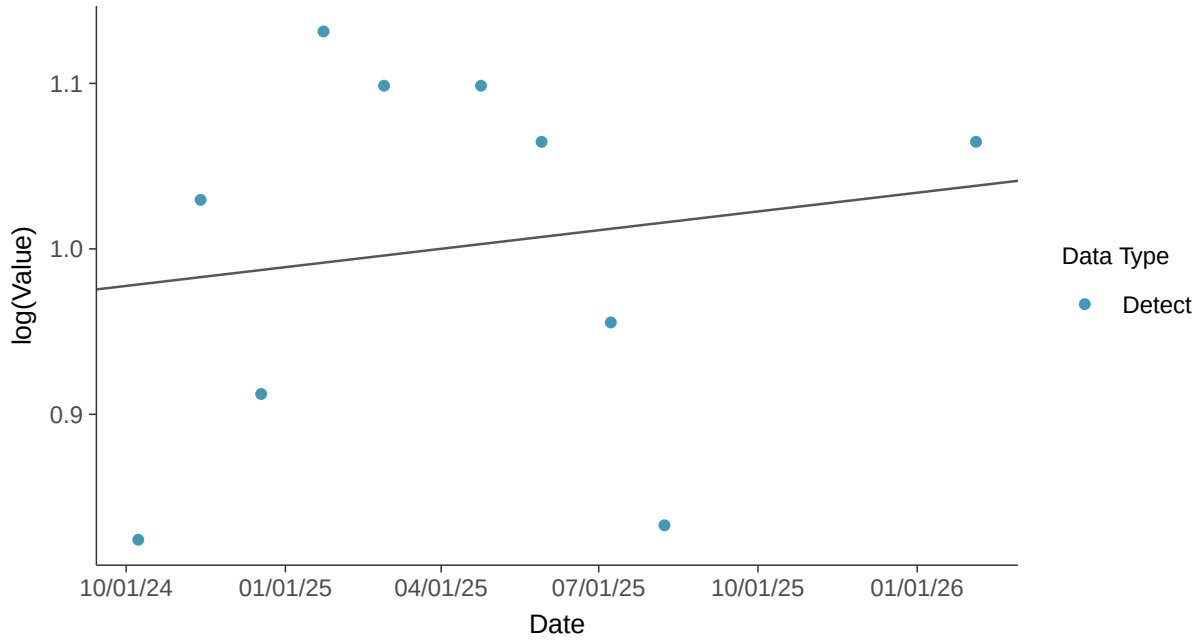
Gamma Q-Q plot

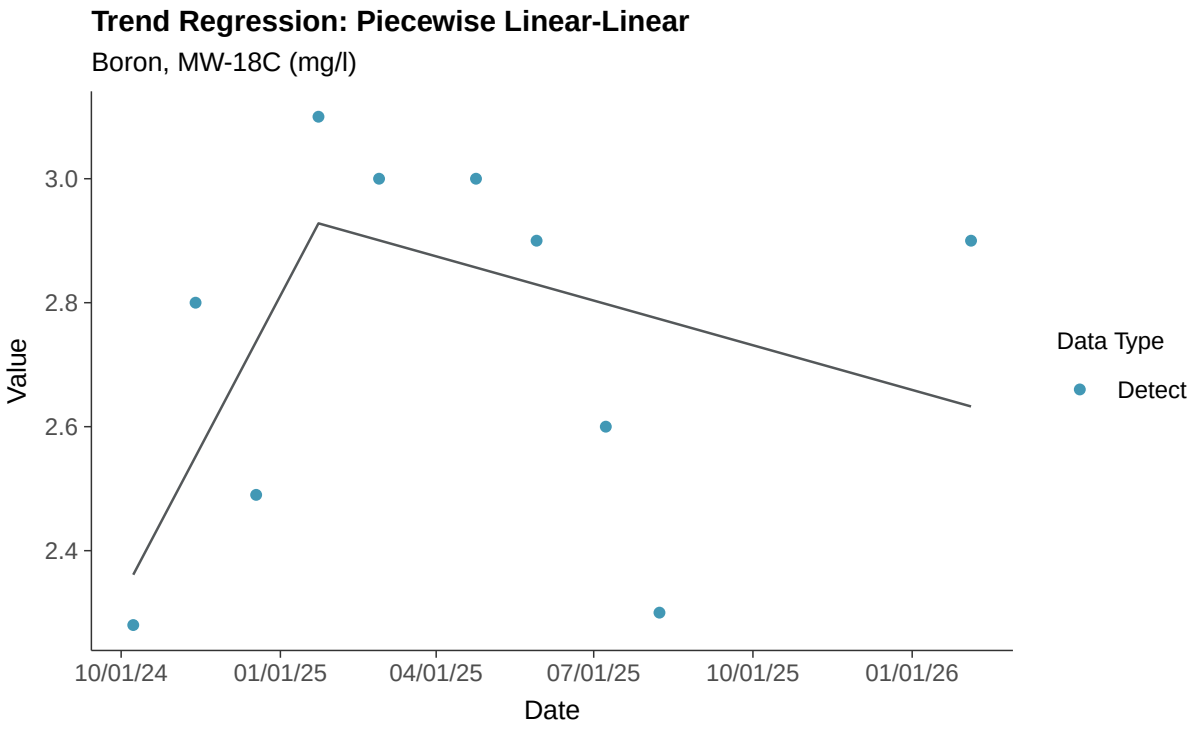
Boron, MW-18C (mg/l)



Trend Regression: Lognormal MLE

Boron, MW-18C (mg/l)



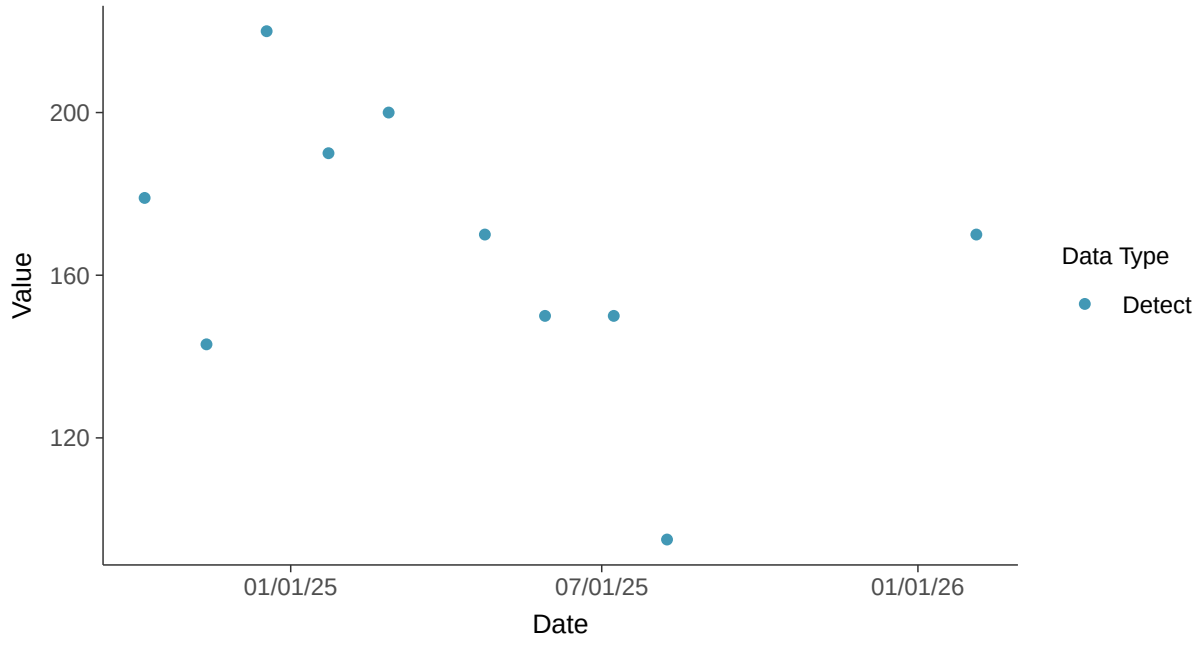

Trend Regression: Piecewise Linear-Linear
Boron, MW-18C (mg/l)
Value
3.0
2.8
2.6
2.4
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Calcium, MW-18C

ID: 16_2_107

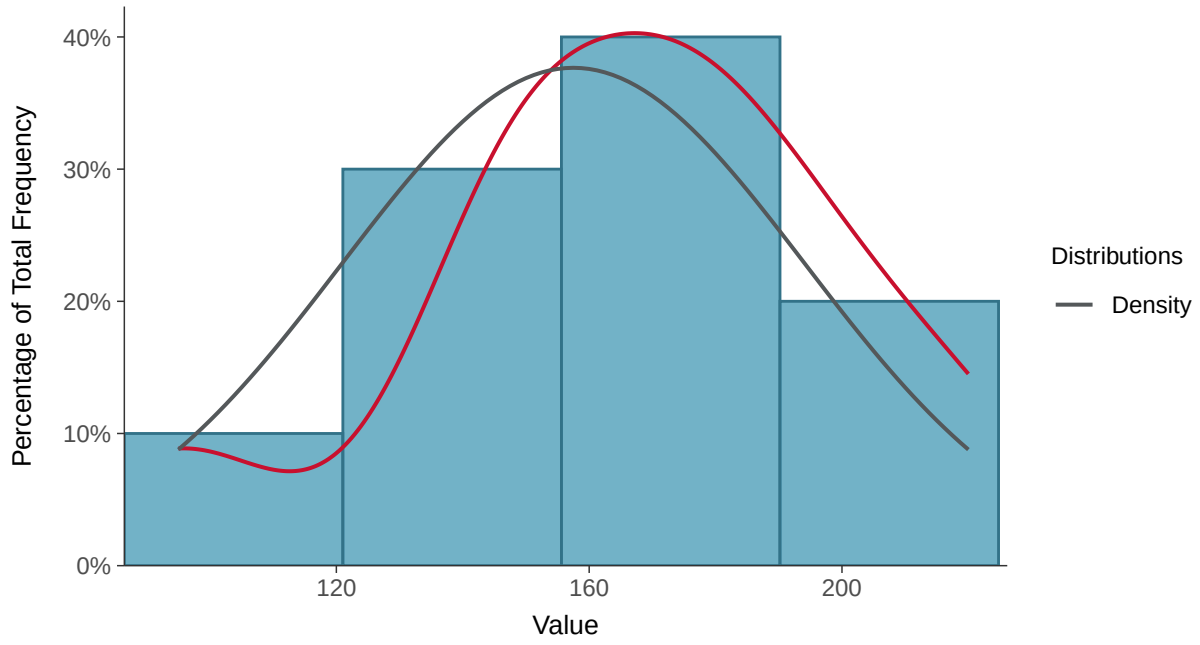
Scatter Plot

Calcium, MW-18C (mg/l)



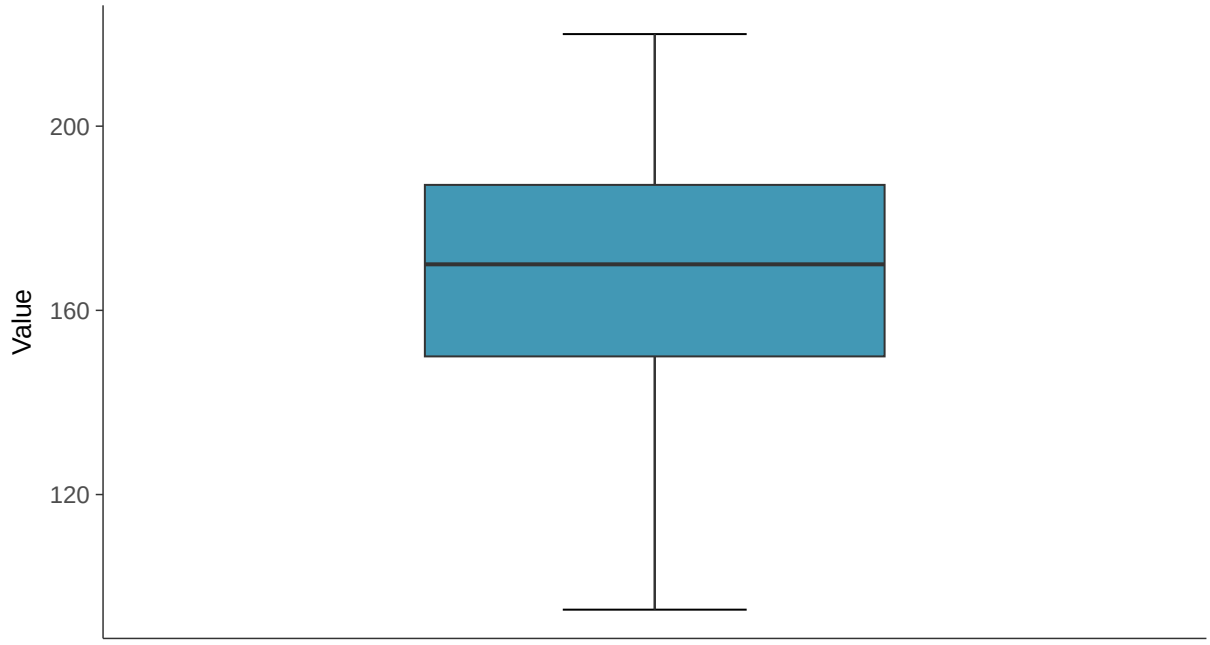
Histogram

Calcium, MW-18C (mg/l)



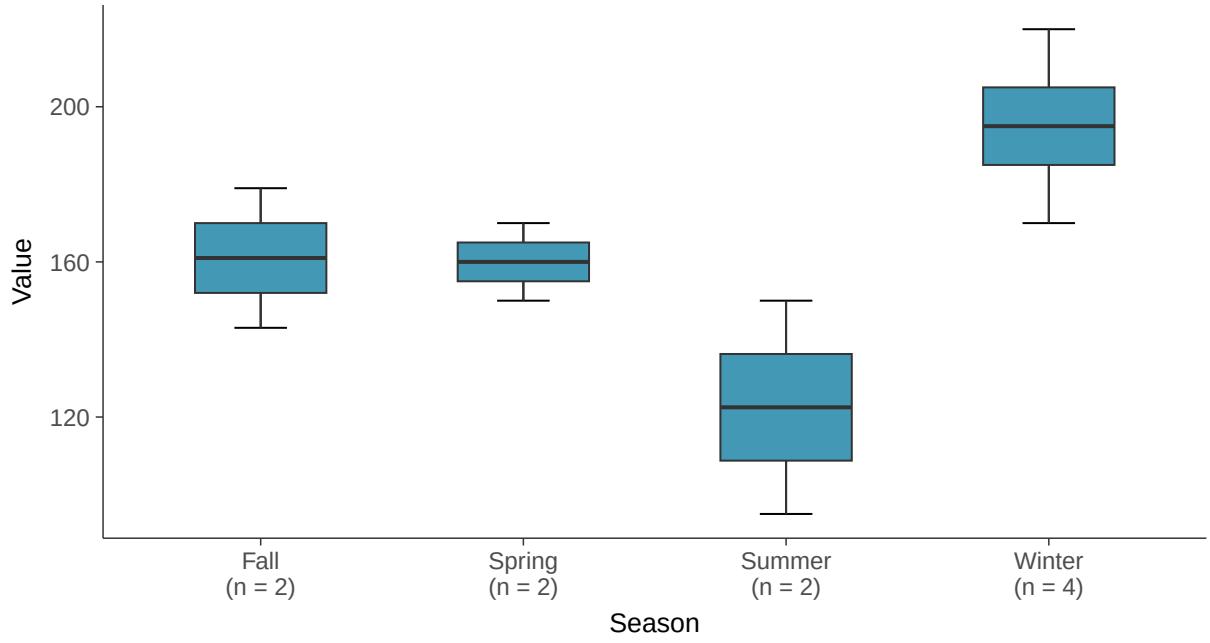
Boxplot

Calcium, MW-18C (mg/l)



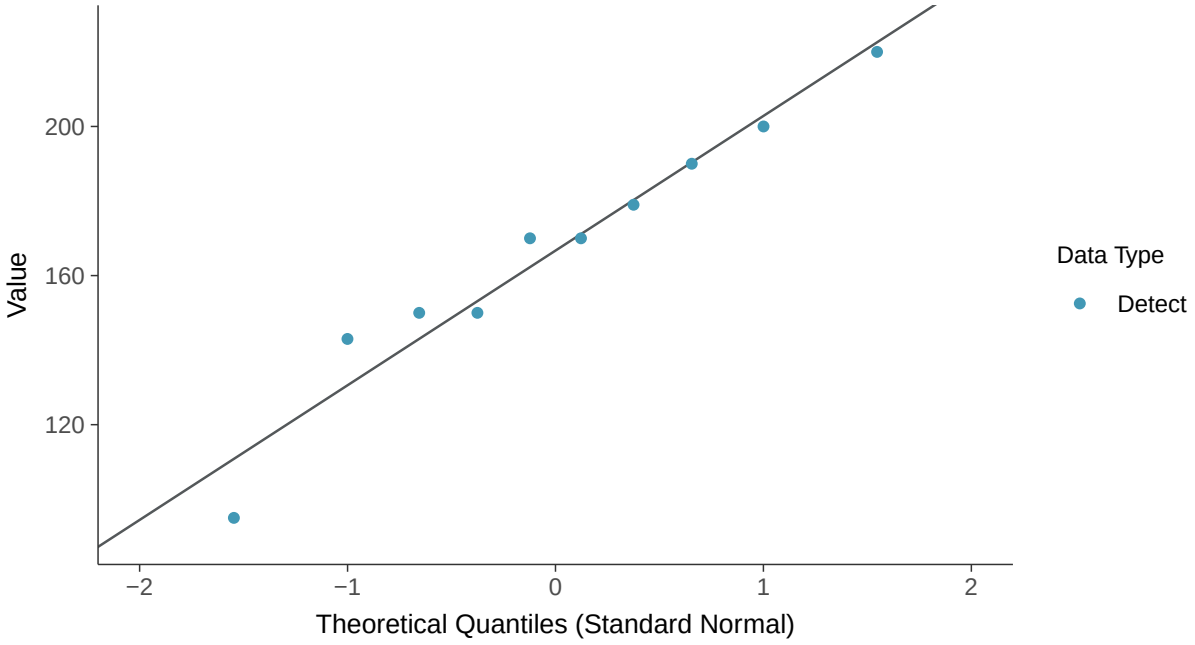
Boxplot by Season

Calcium, MW-18C (mg/l)



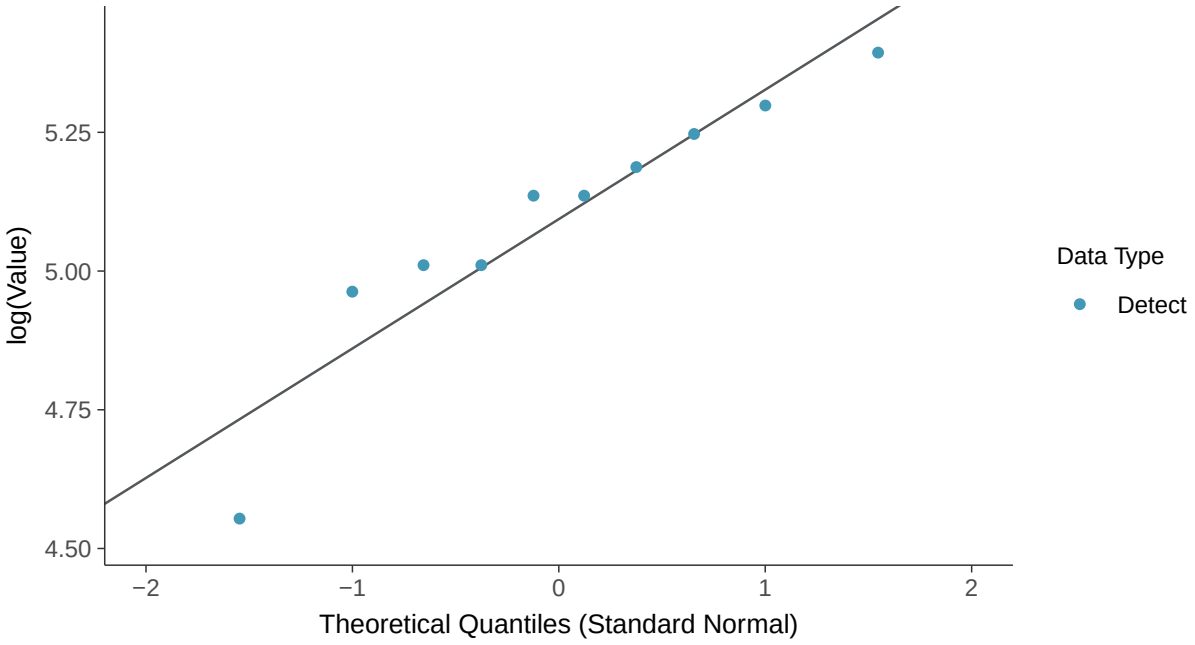
Normal Q-Q plot

Calcium, MW-18C (mg/l)



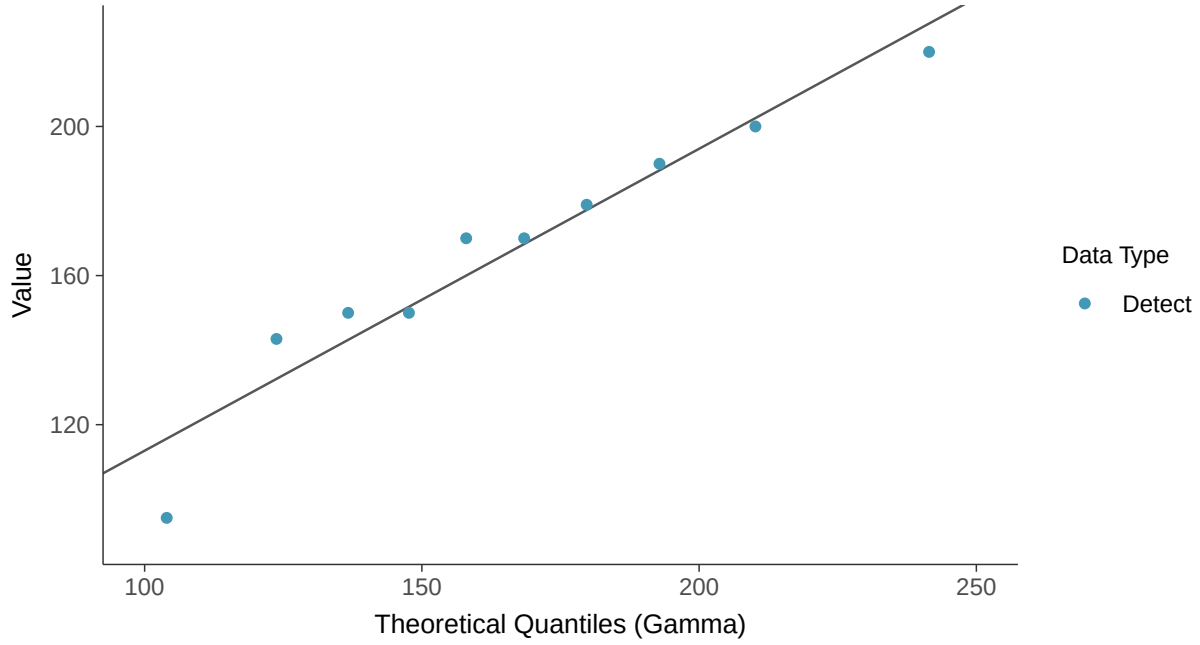
Lognormal Q-Q plot

Calcium, MW-18C (mg/l)



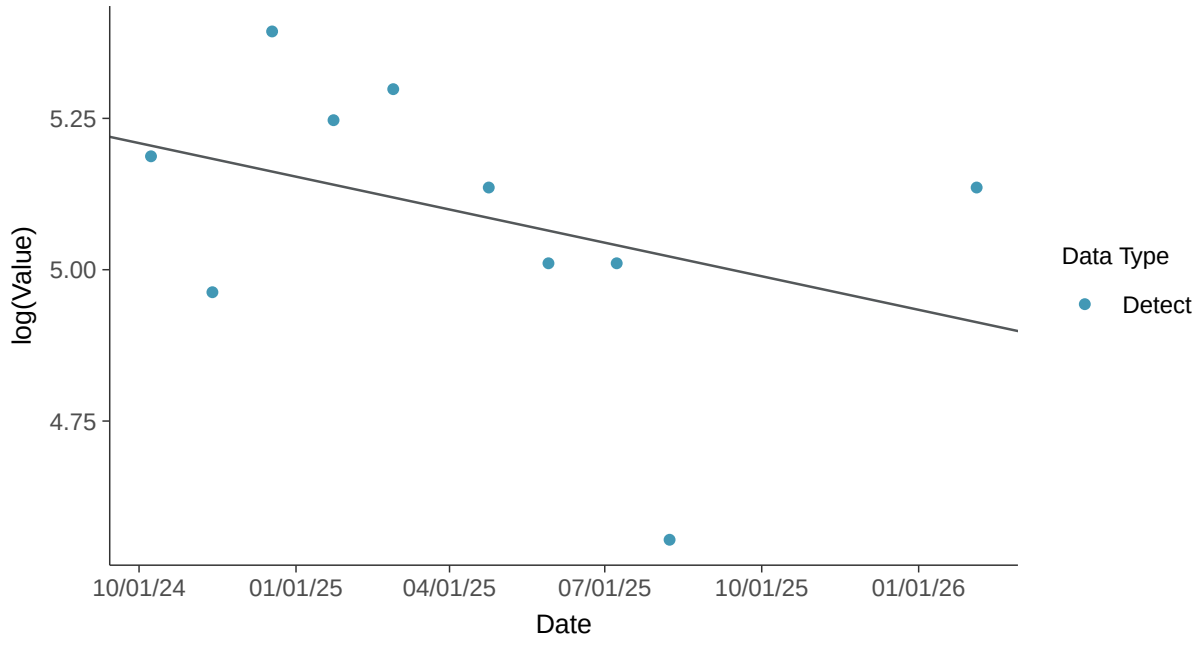
Gamma Q-Q plot

Calcium, MW-18C (mg/l)



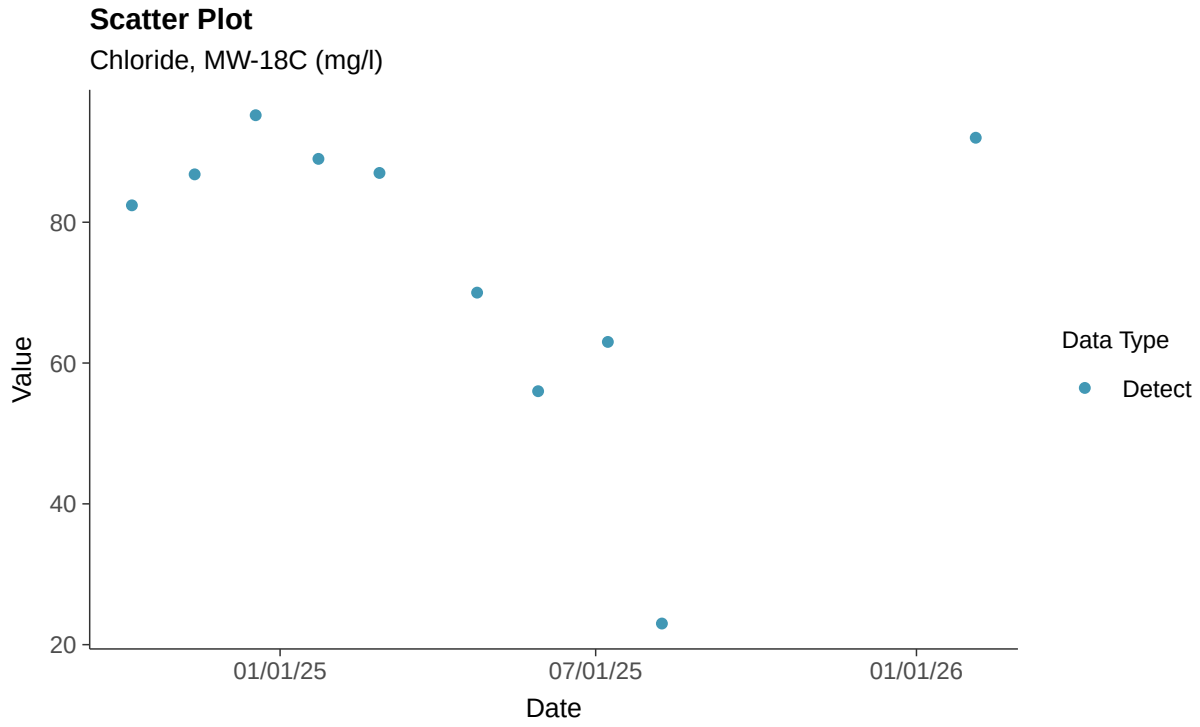
Trend Regression: Lognormal MLE

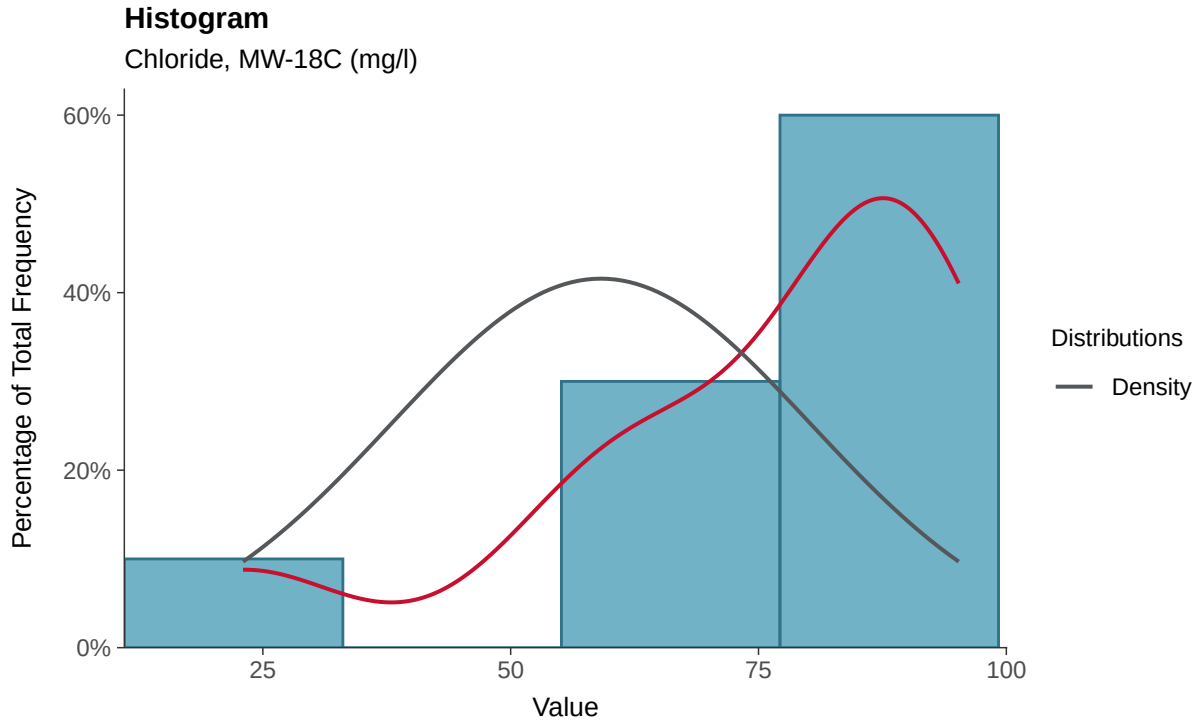
Calcium, MW-18C (mg/l)



Appendix III: Chloride, MW-18C

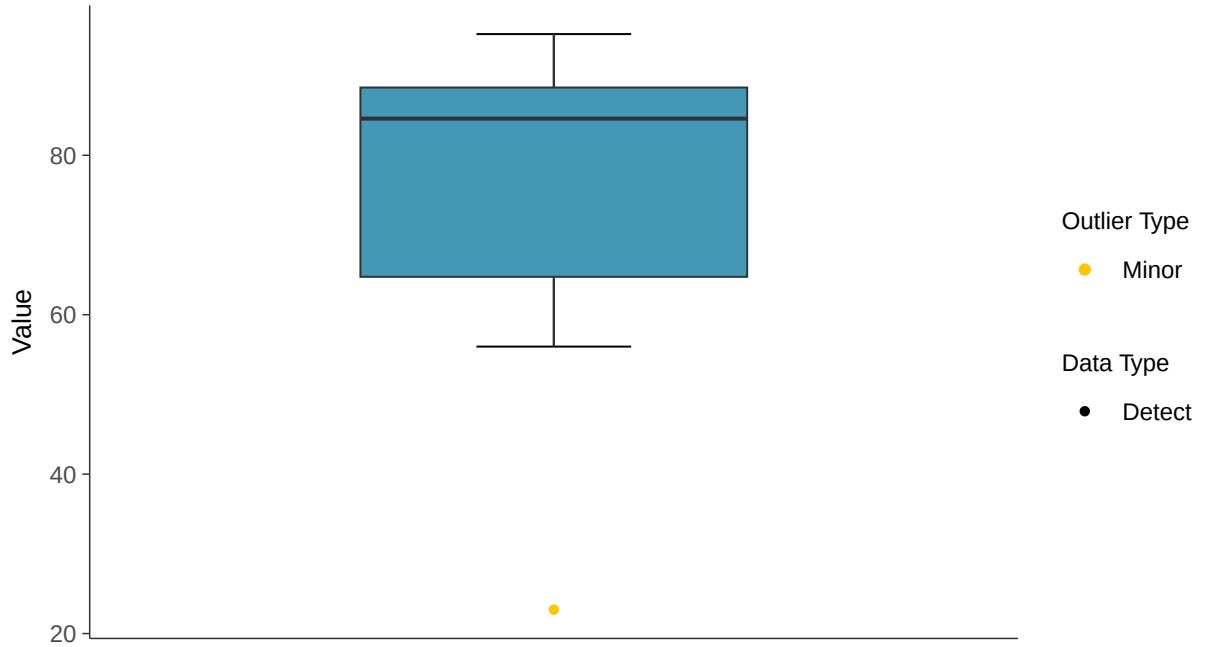
ID: 16_2_108





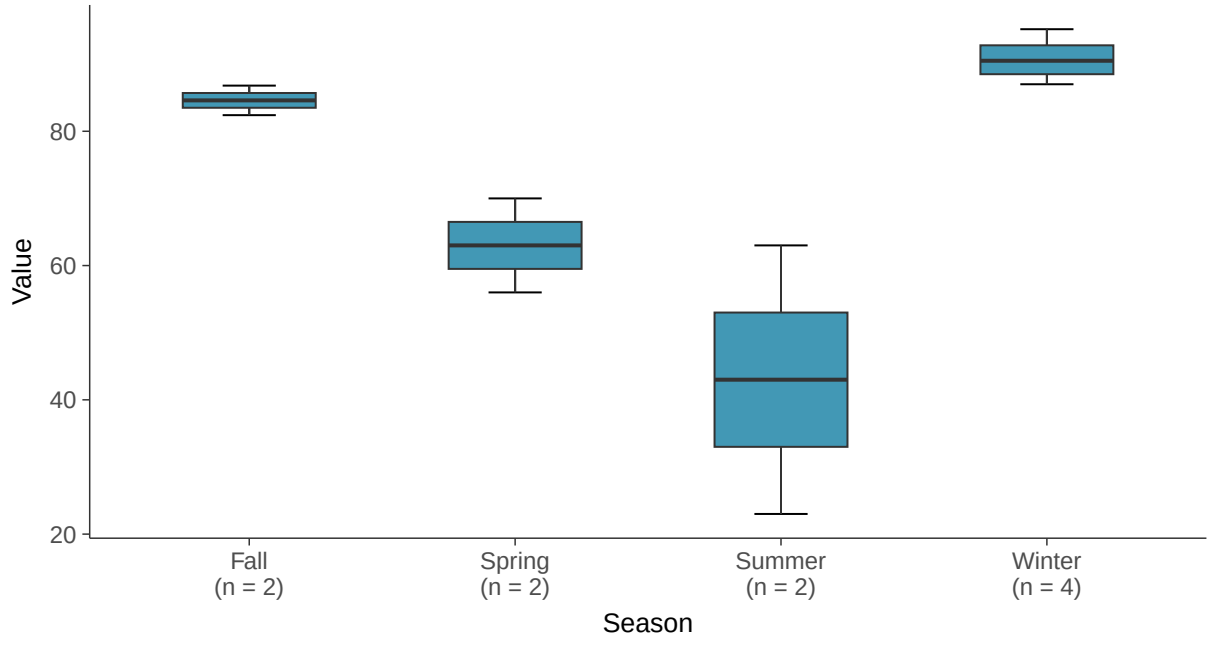
Boxplot

Chloride, MW-18C (mg/l)



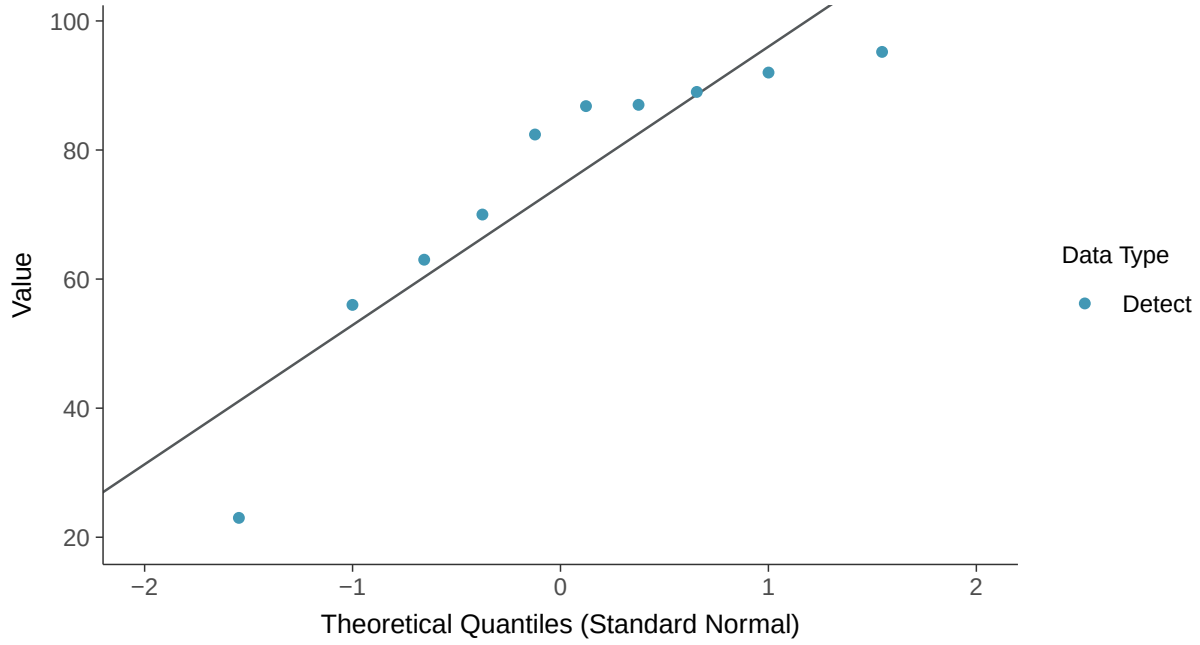
Boxplot by Season

Chloride, MW-18C (mg/l)



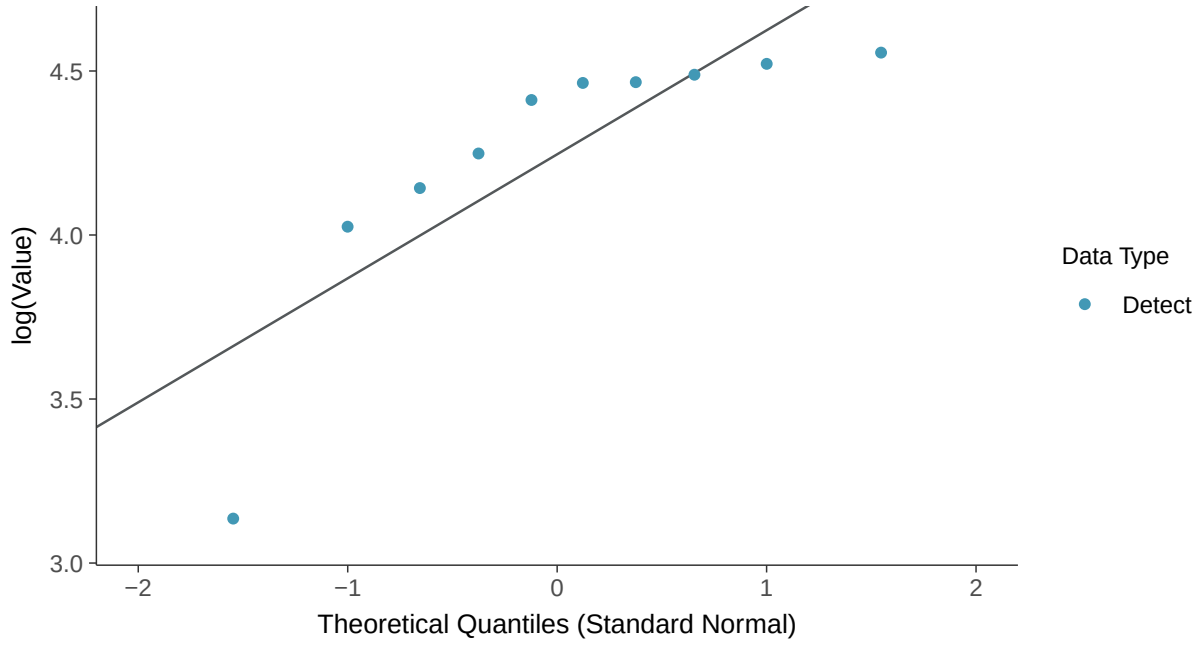
Normal Q-Q plot

Chloride, MW-18C (mg/l)



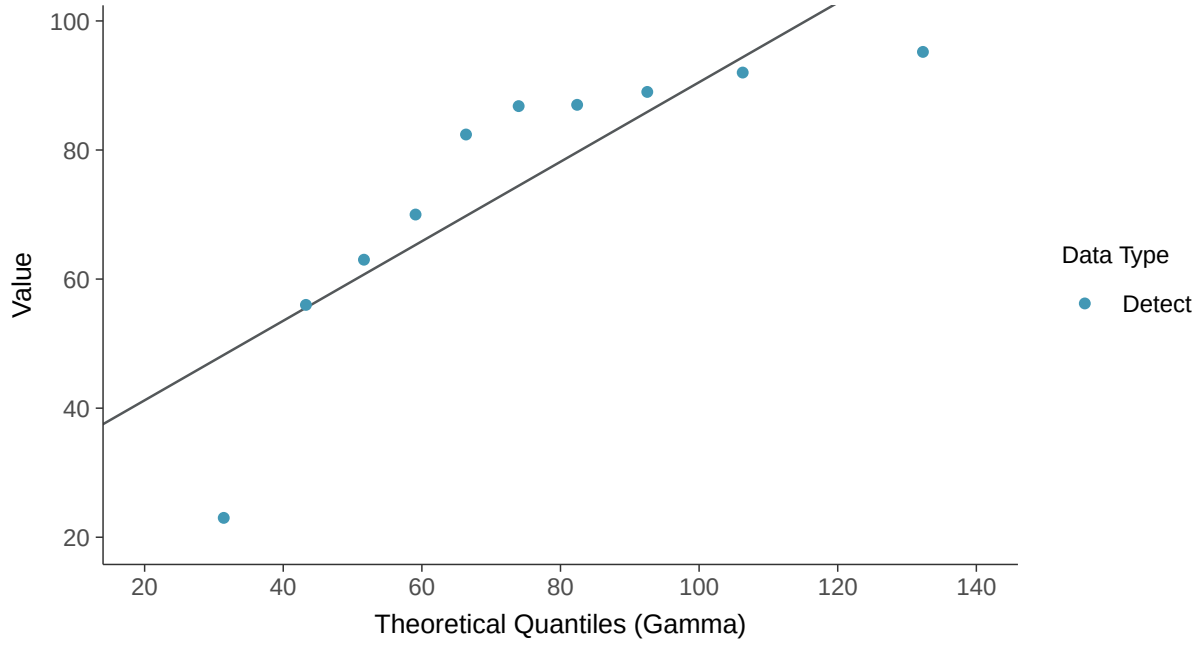
Lognormal Q-Q plot

Chloride, MW-18C (mg/l)



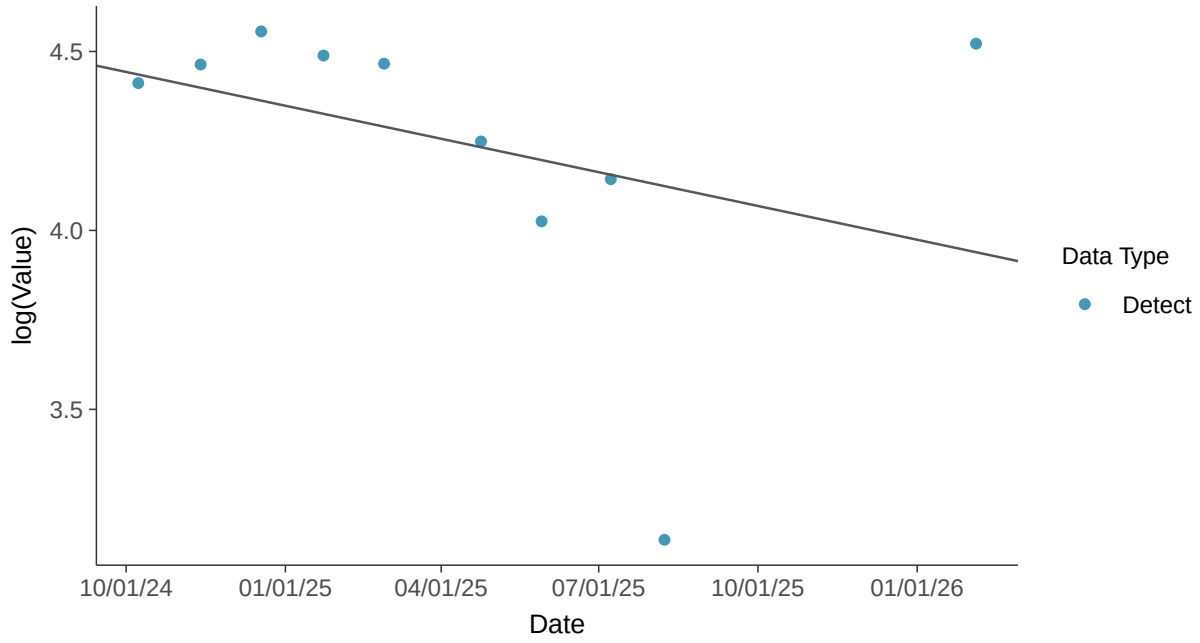
Gamma Q-Q plot

Chloride, MW-18C (mg/l)



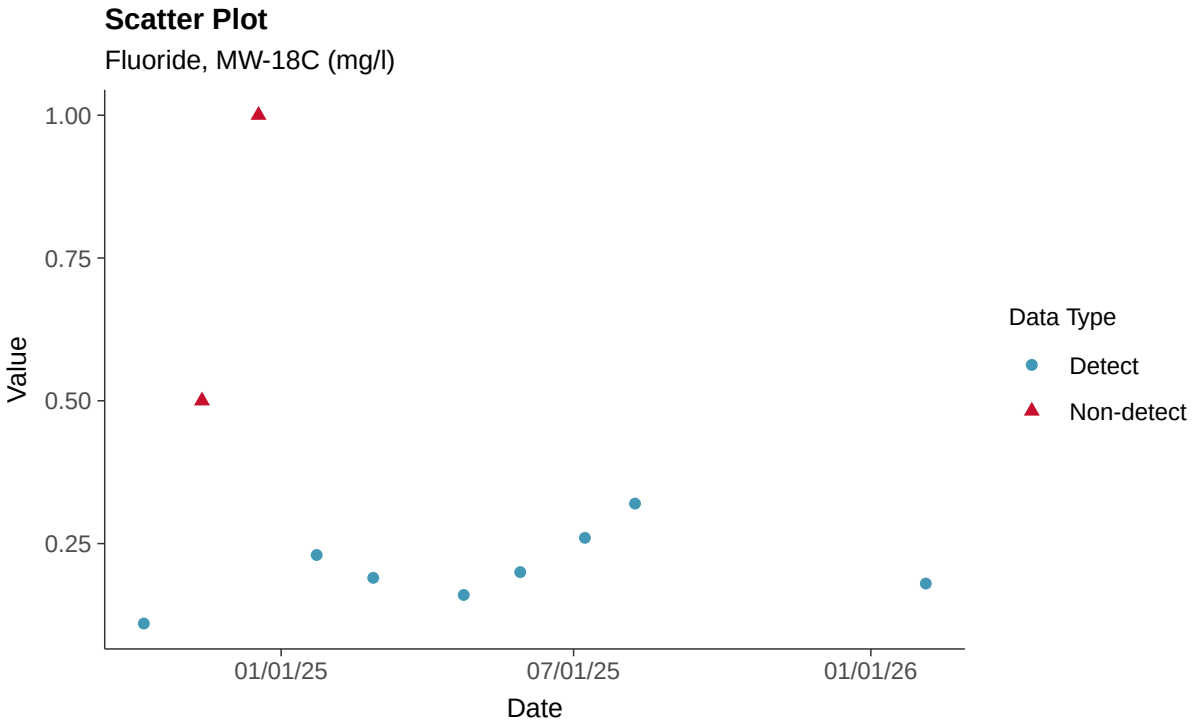
Trend Regression: Lognormal MLE

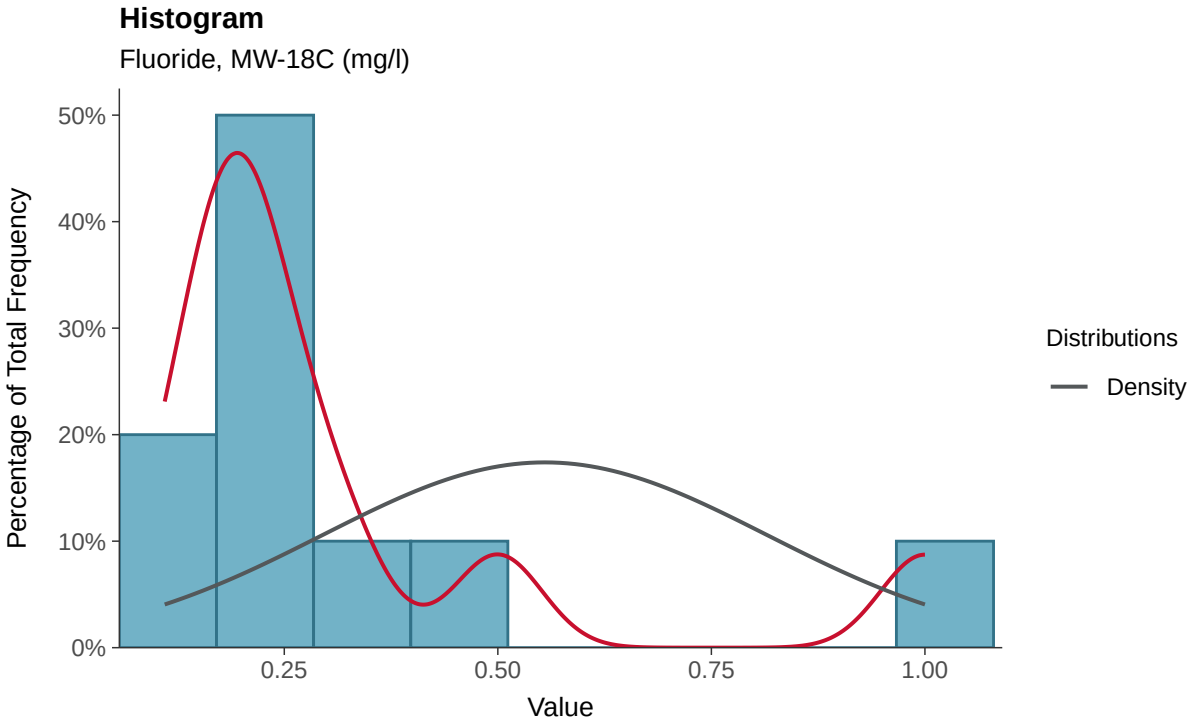
Chloride, MW-18C (mg/l)



Appendix III: Fluoride, MW-18C

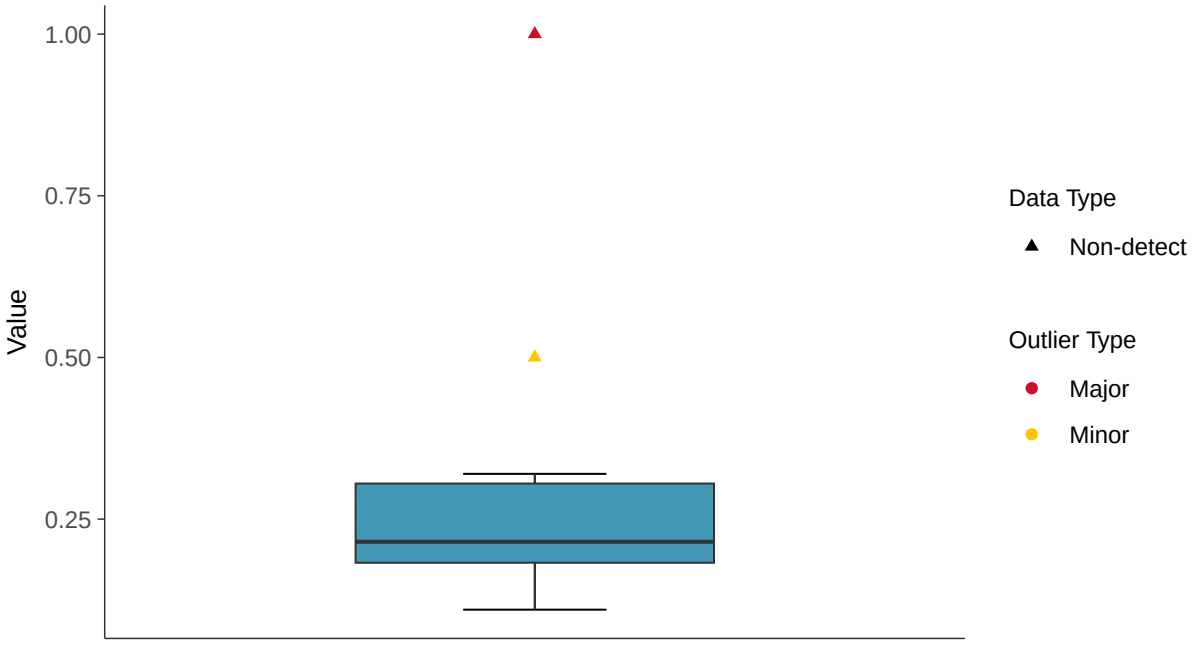
ID: 16_2_112





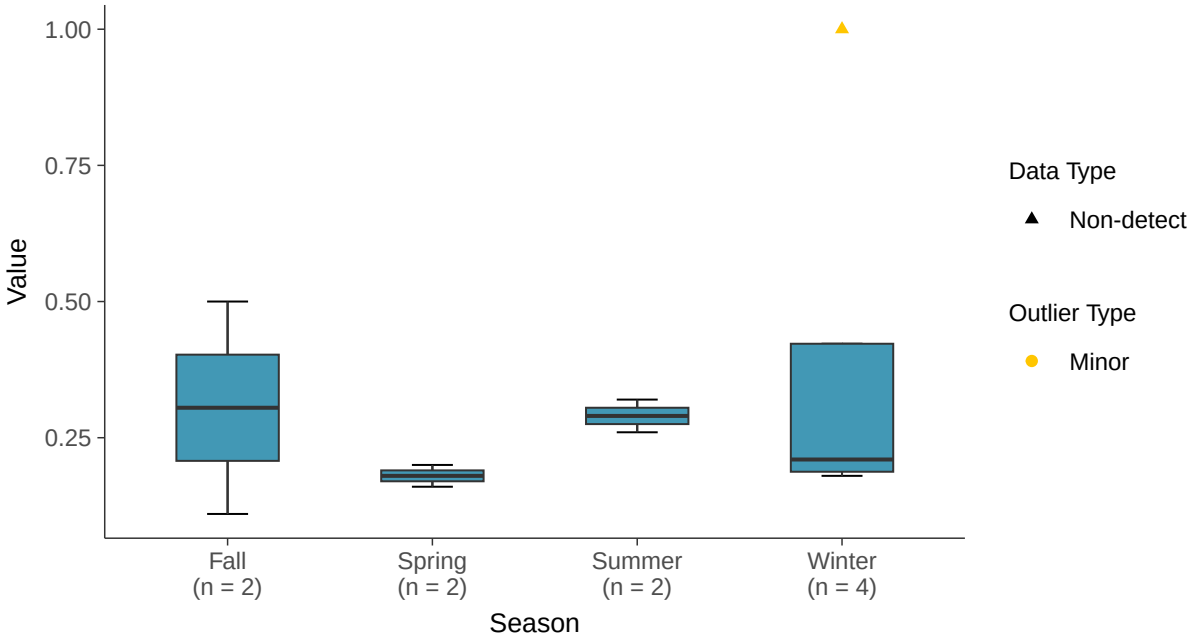
Boxplot

Fluoride, MW-18C (mg/l)



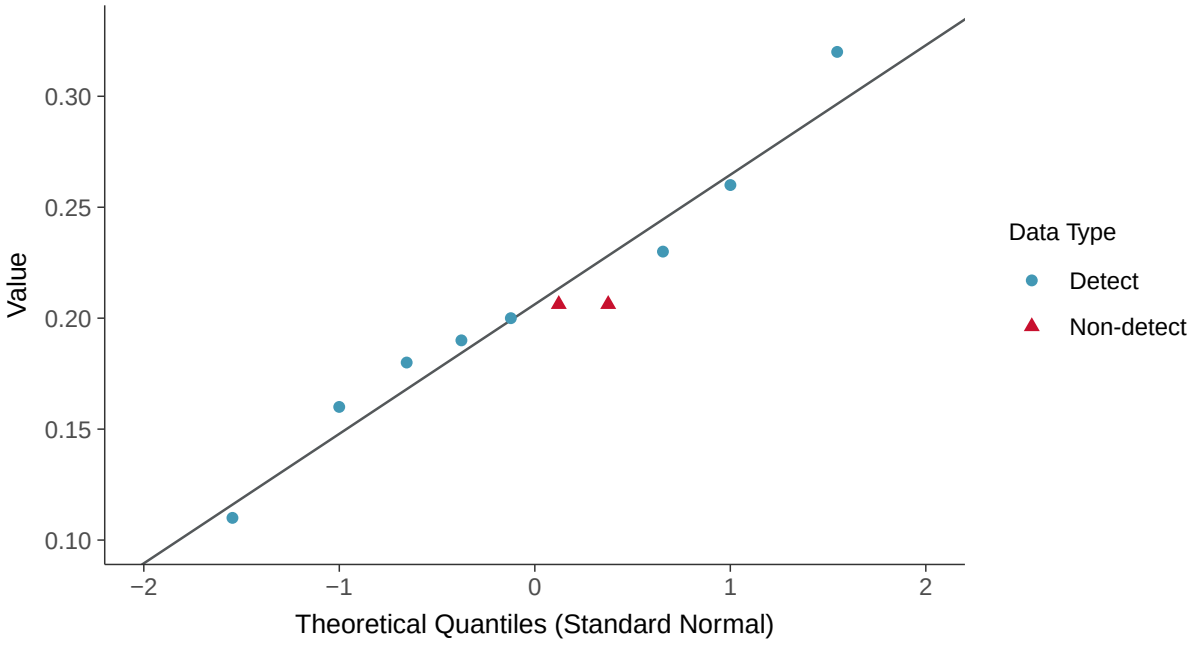
Boxplot by Season

Fluoride, MW-18C (mg/l)



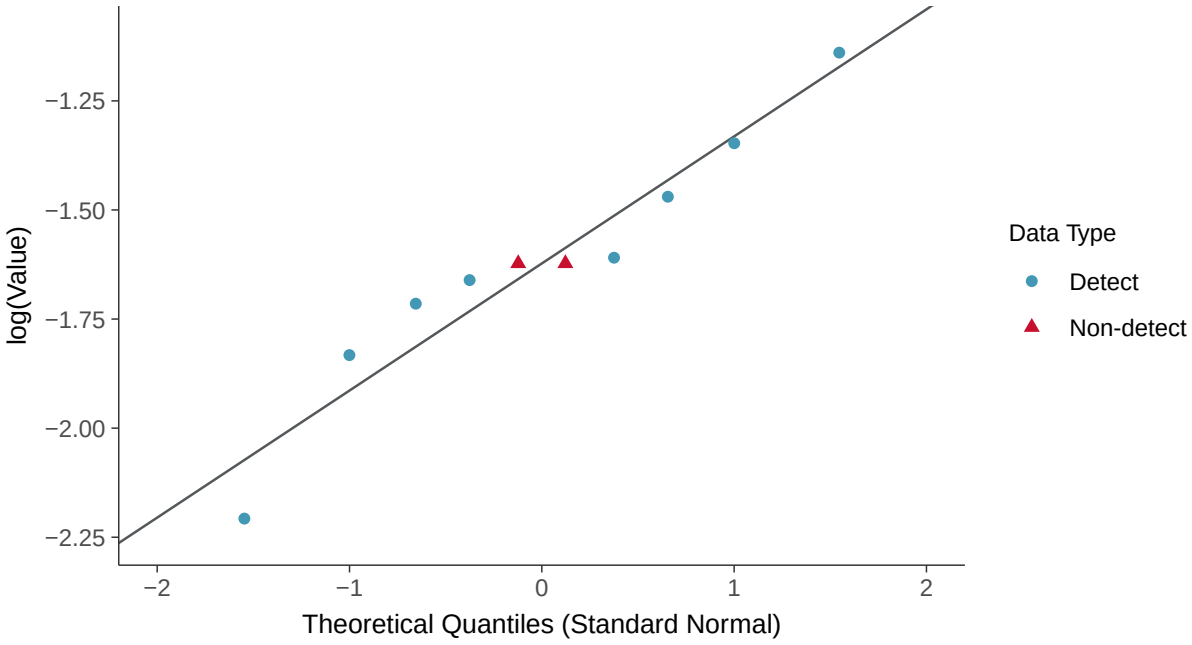
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-18C (mg/l)



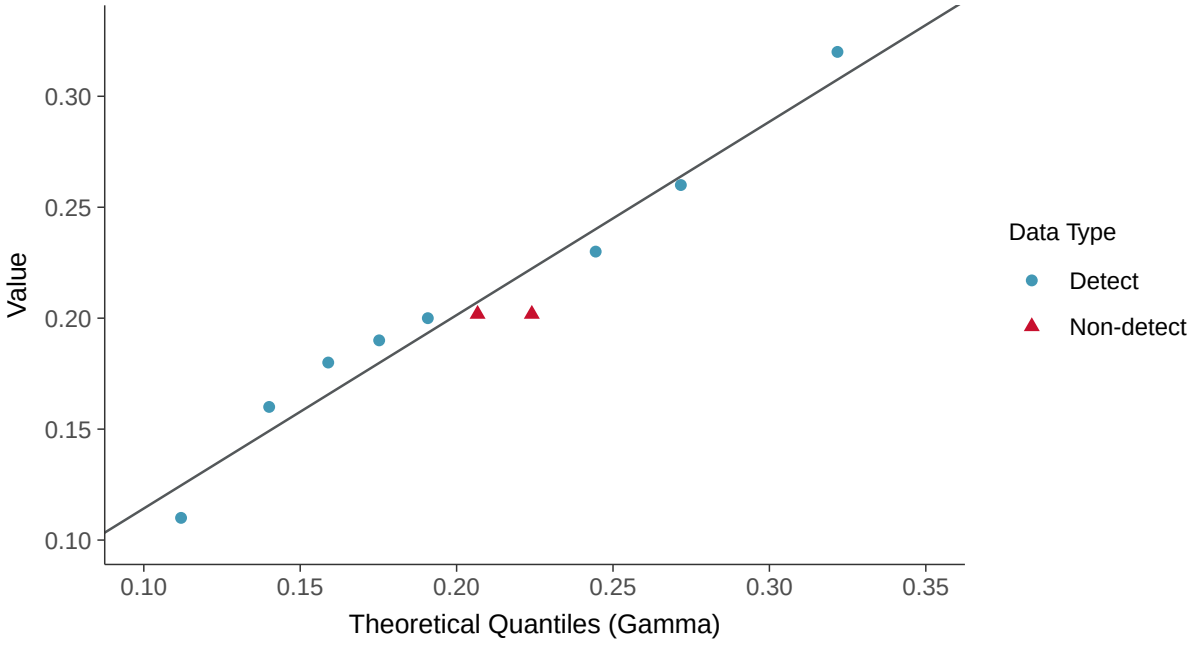
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-18C (mg/l)



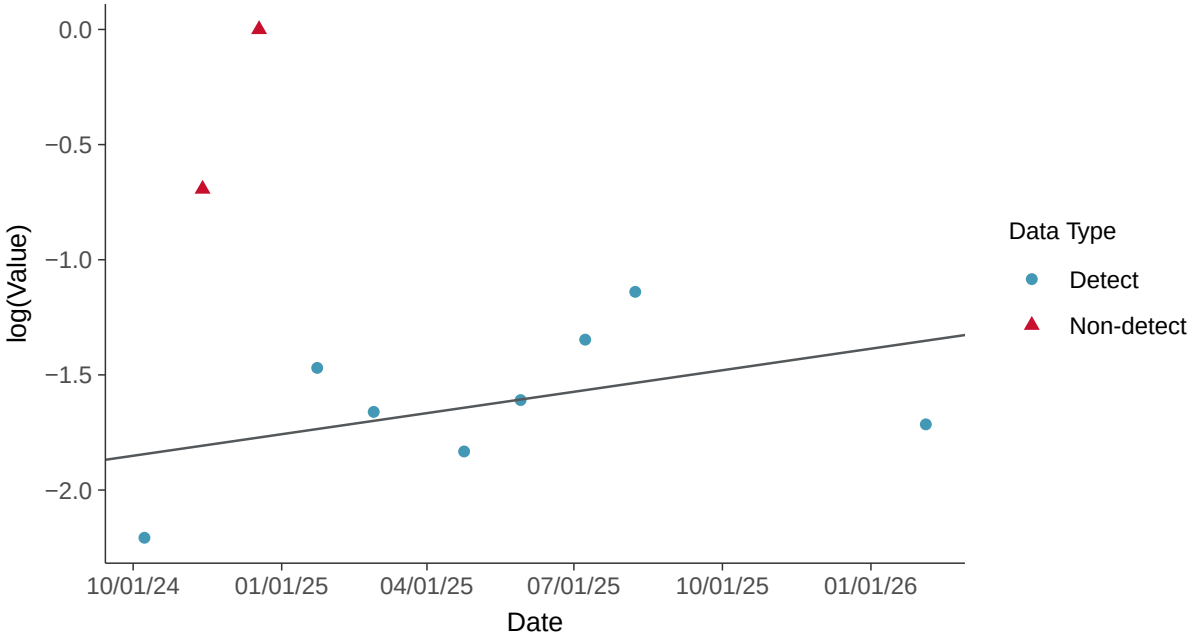
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride, MW-18C (mg/l)



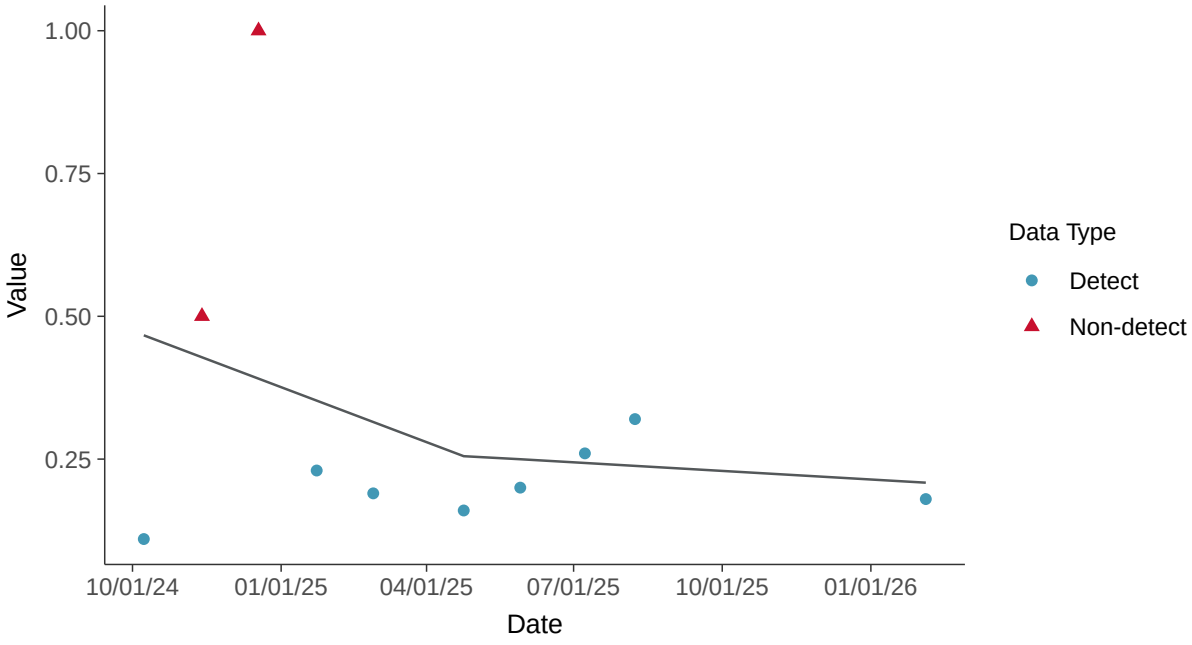
Trend Regression: Lognormal MLE

Fluoride, MW-18C (mg/l)



Trend Regression: Piecewise Linear-Linear

Fluoride, MW-18C (mg/l)

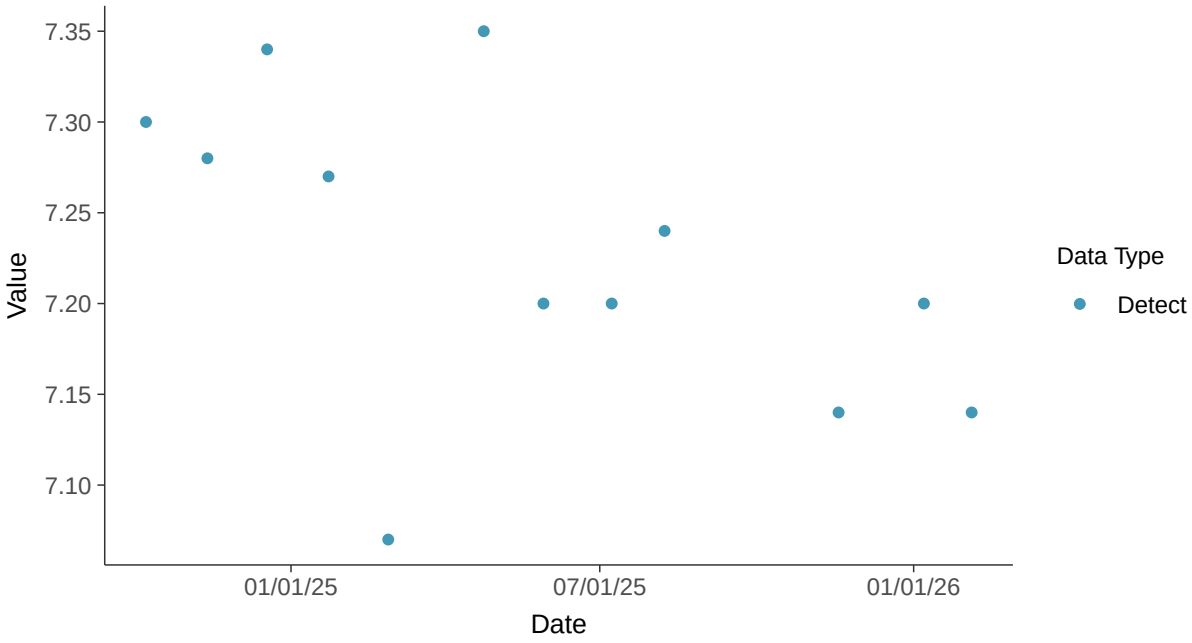


Appendix III: pH, Field, MW-18C

ID: 16_2_120

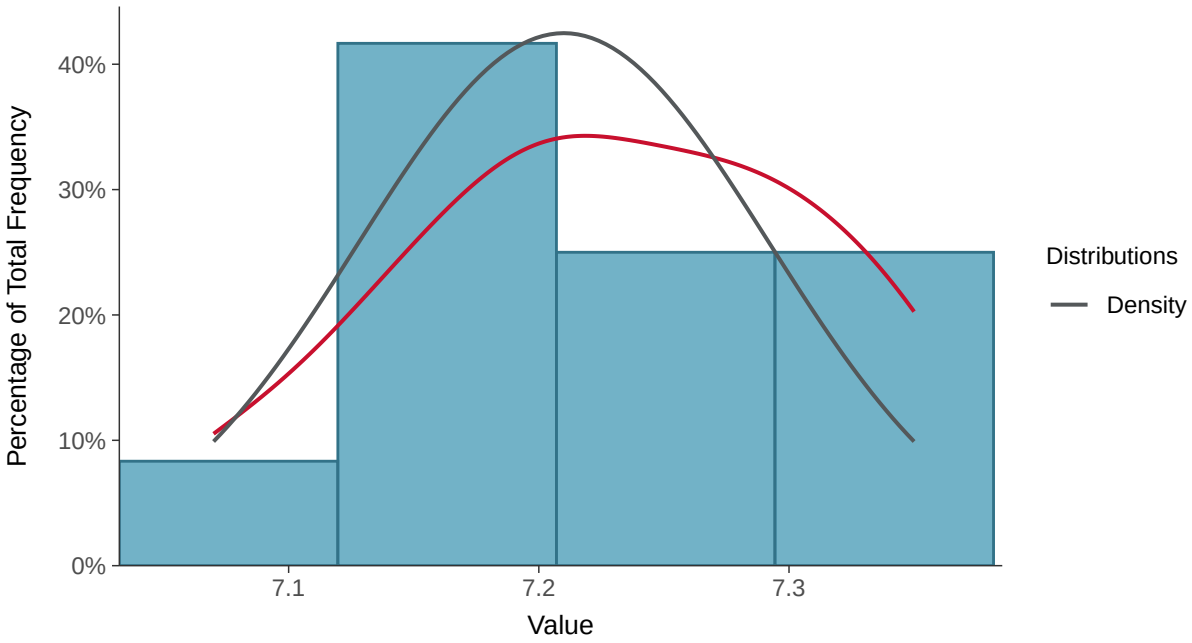
Scatter Plot

pH, Field, MW-18C (su)



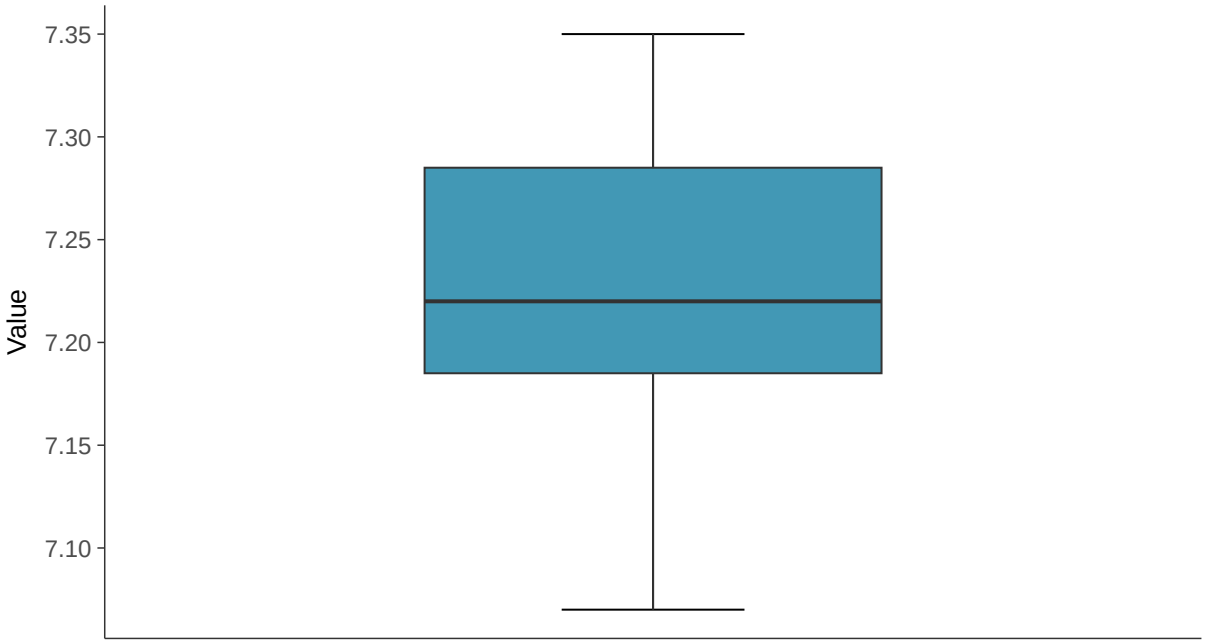
Histogram

pH, Field, MW-18C (su)



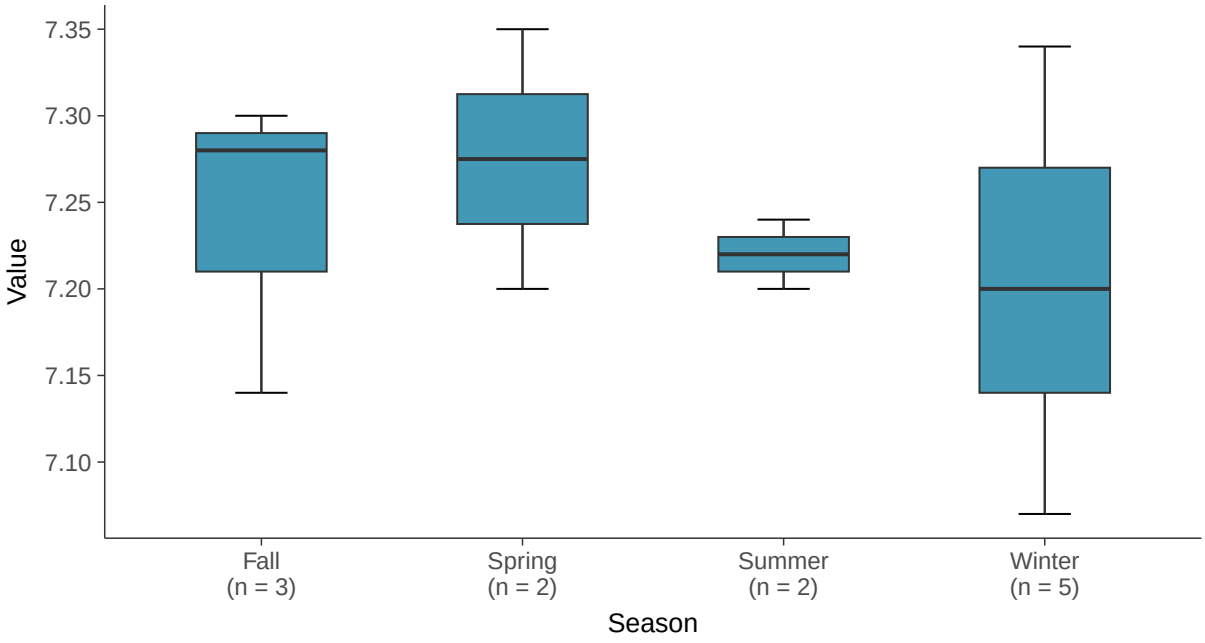
Boxplot

pH, Field, MW-18C (su)



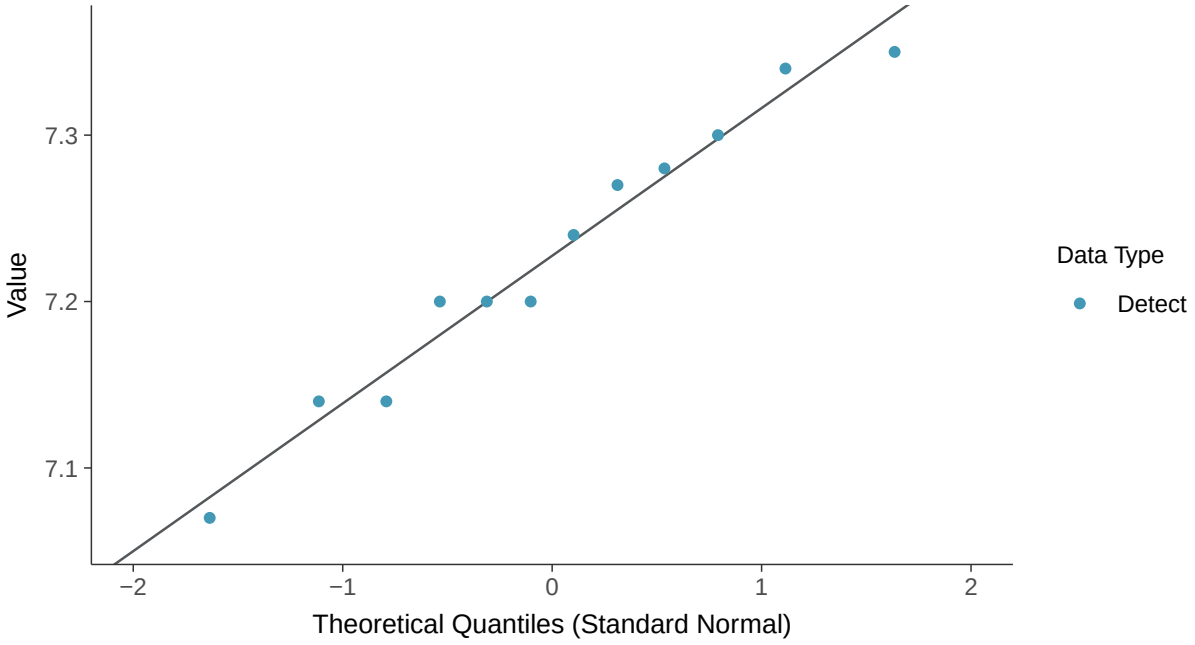
Boxplot by Season

pH, Field, MW-18C (su)



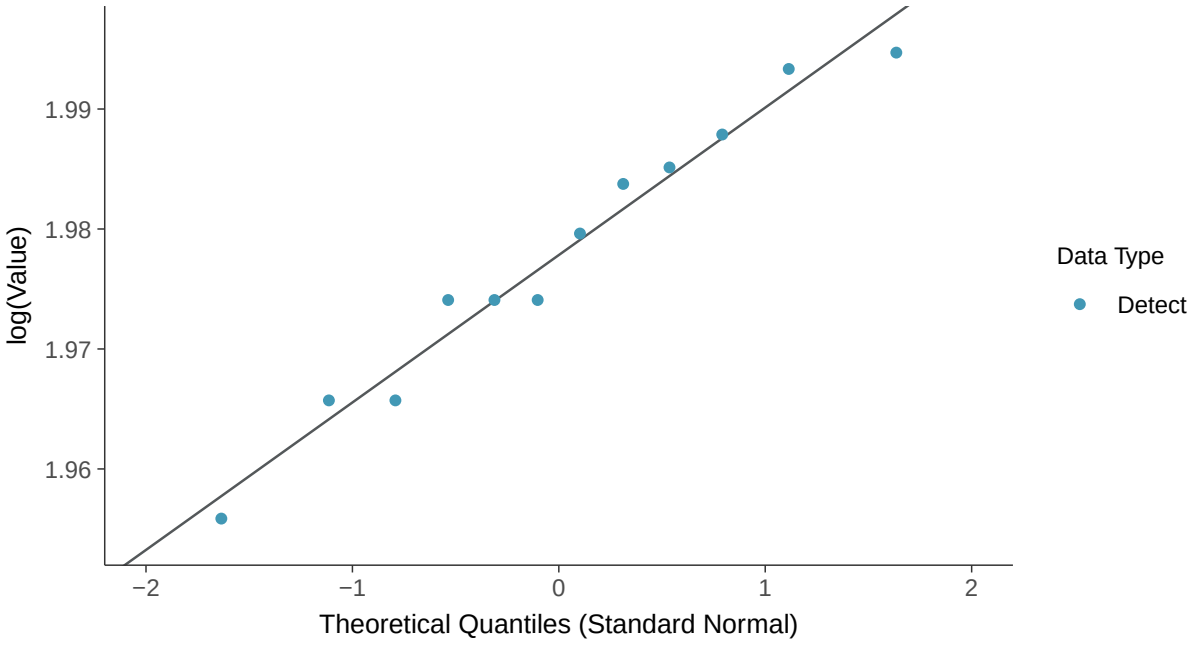
Normal Q-Q plot

pH, Field, MW-18C (su)



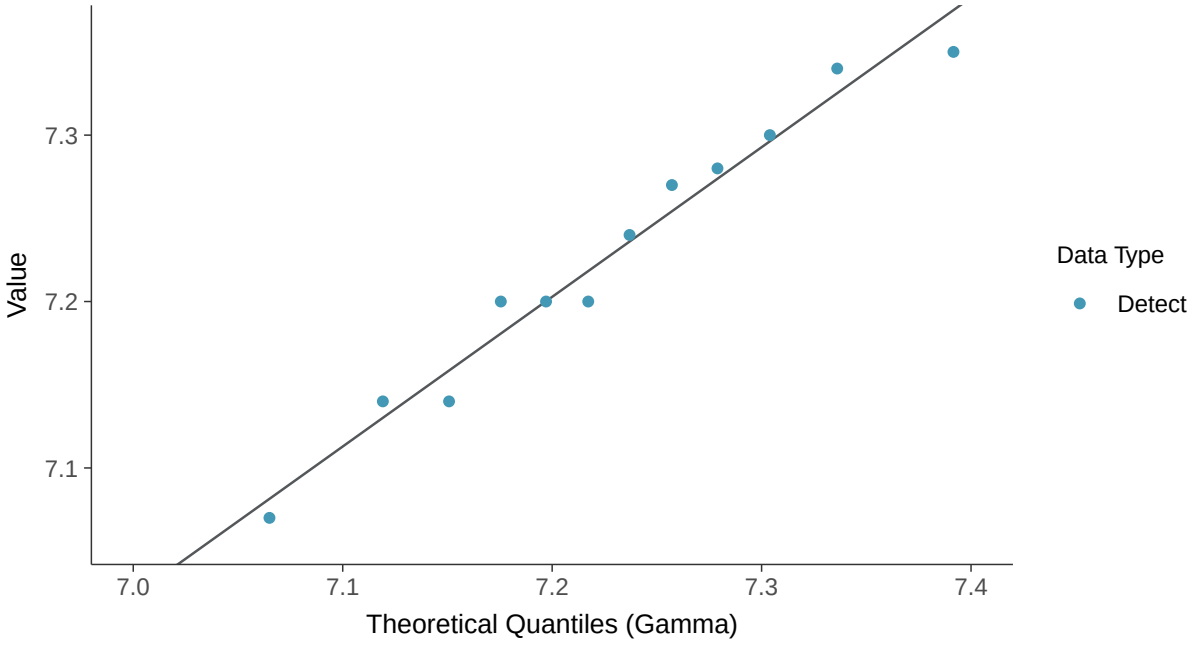
Lognormal Q-Q plot

pH, Field, MW-18C (su)



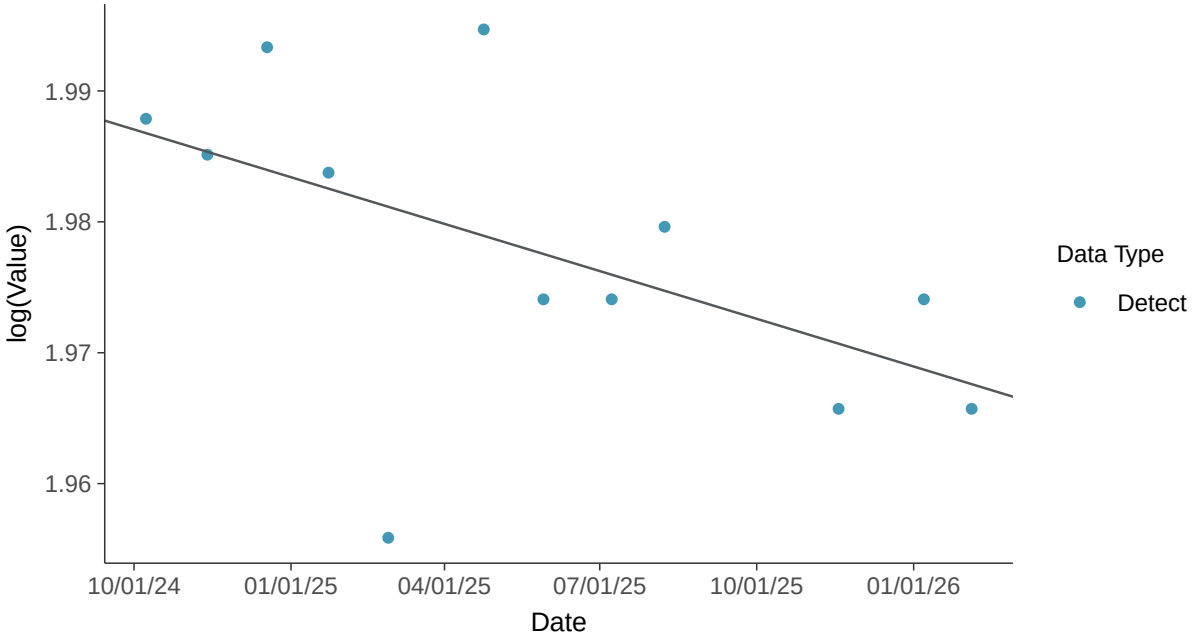
Gamma Q-Q plot

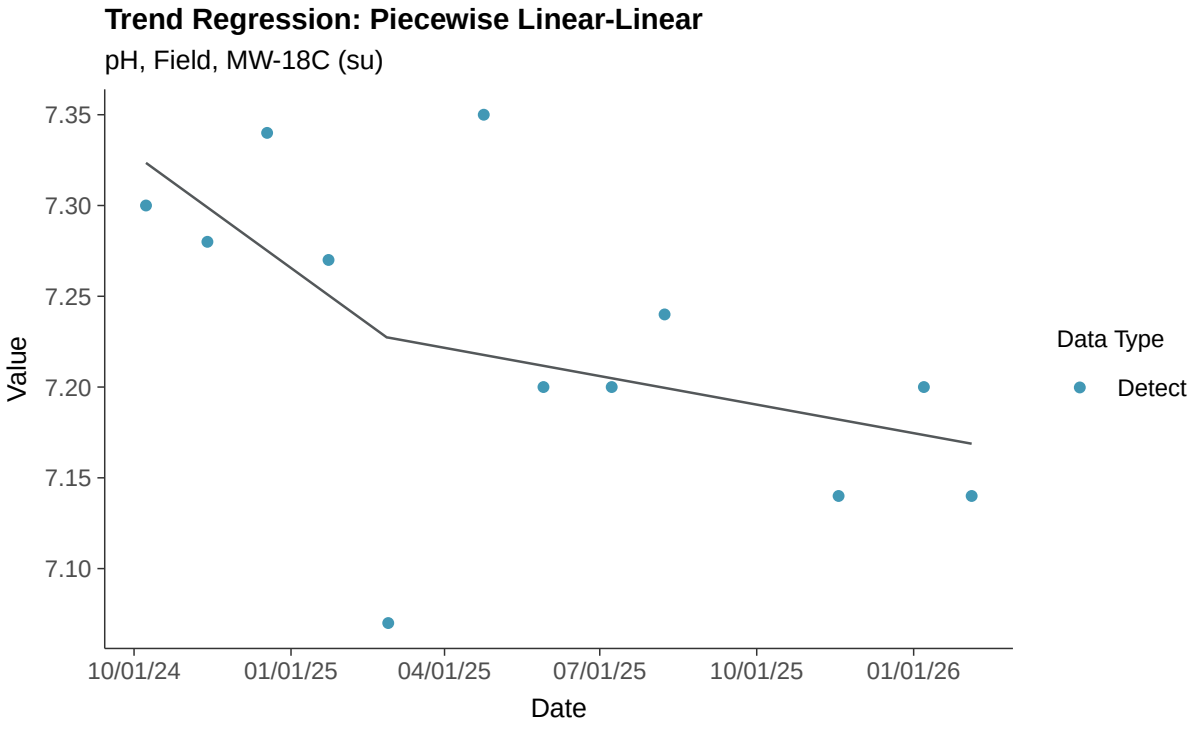
pH, Field, MW-18C (su)



Trend Regression: Lognormal MLE

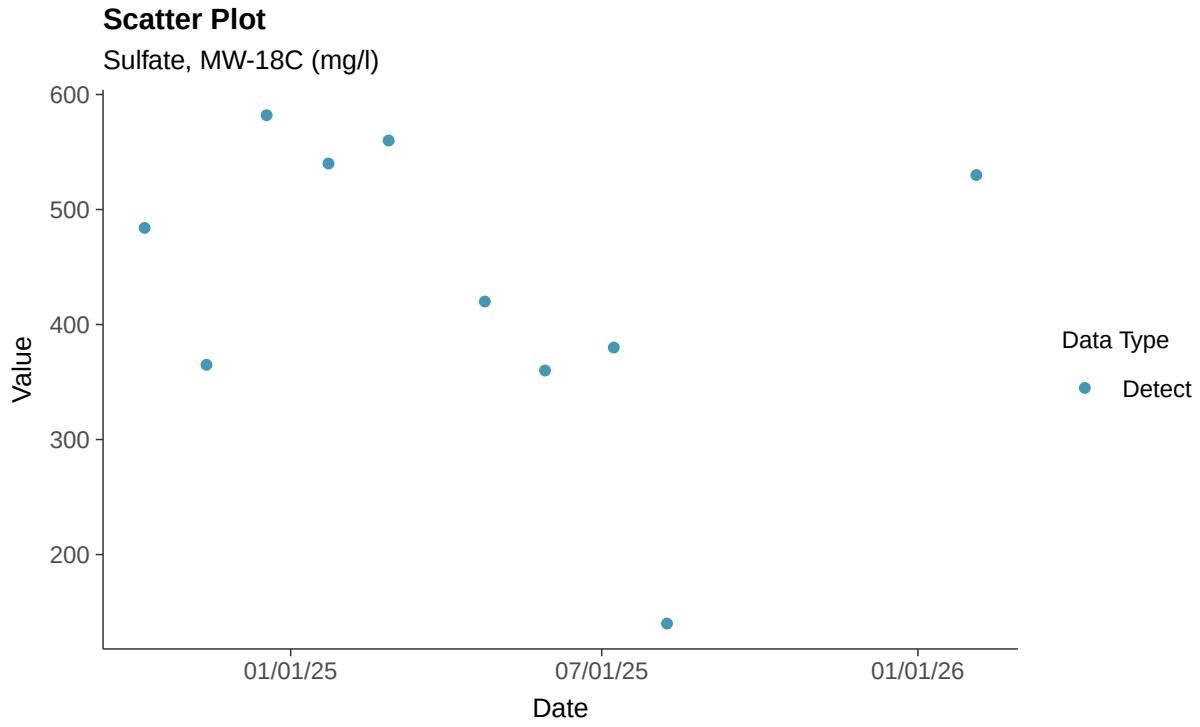
pH, Field, MW-18C (su)

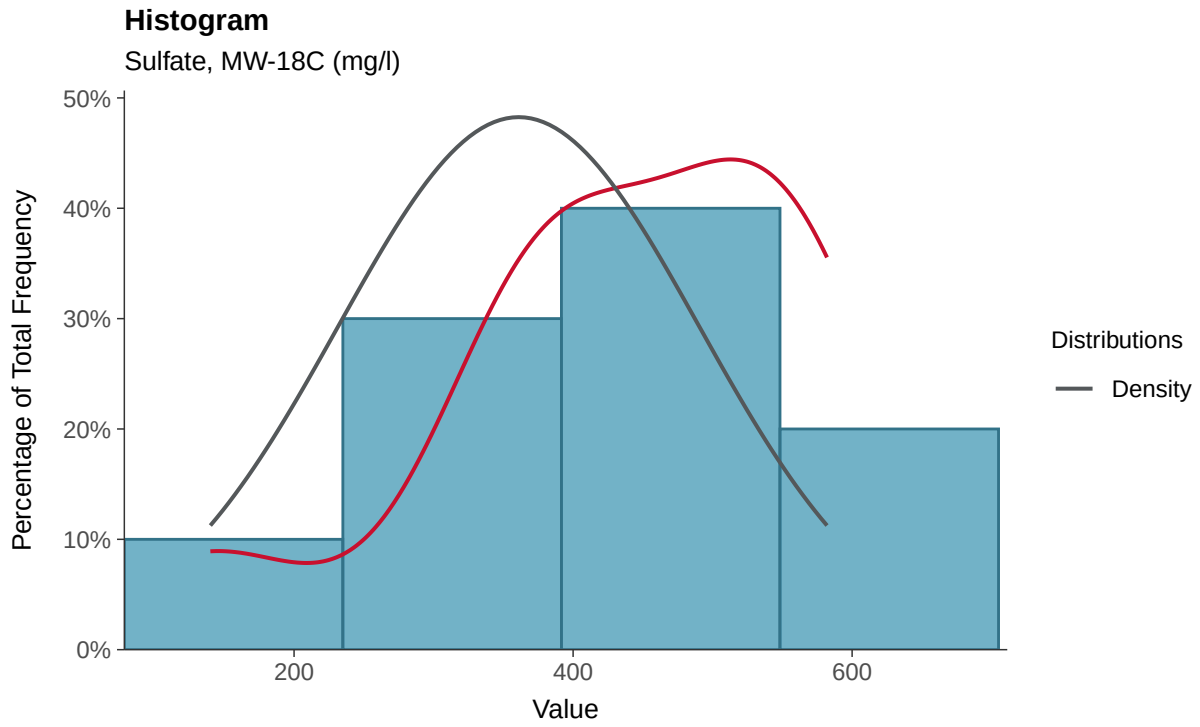



Trend Regression: Piecewise Linear-Linear
pH, Field, MW-18C (su)
Value
7.35
7.30
7.25
7.20
7.15
7.10
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Sulfate, MW-18C

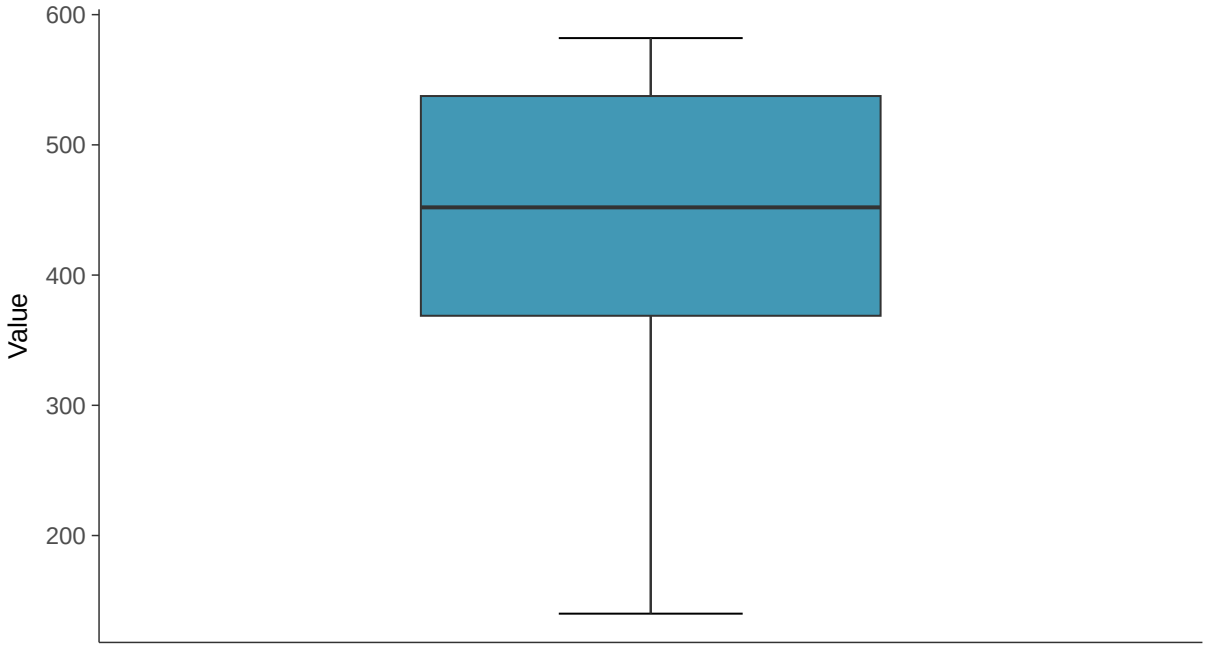
ID: 16_2_124





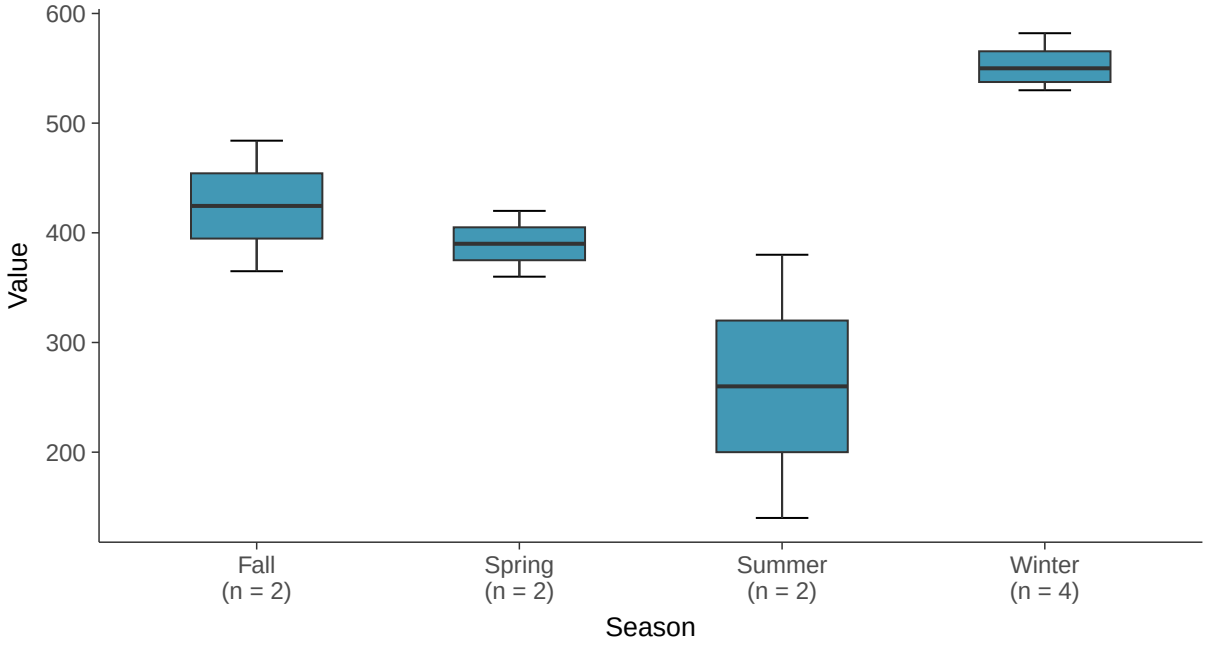
Boxplot

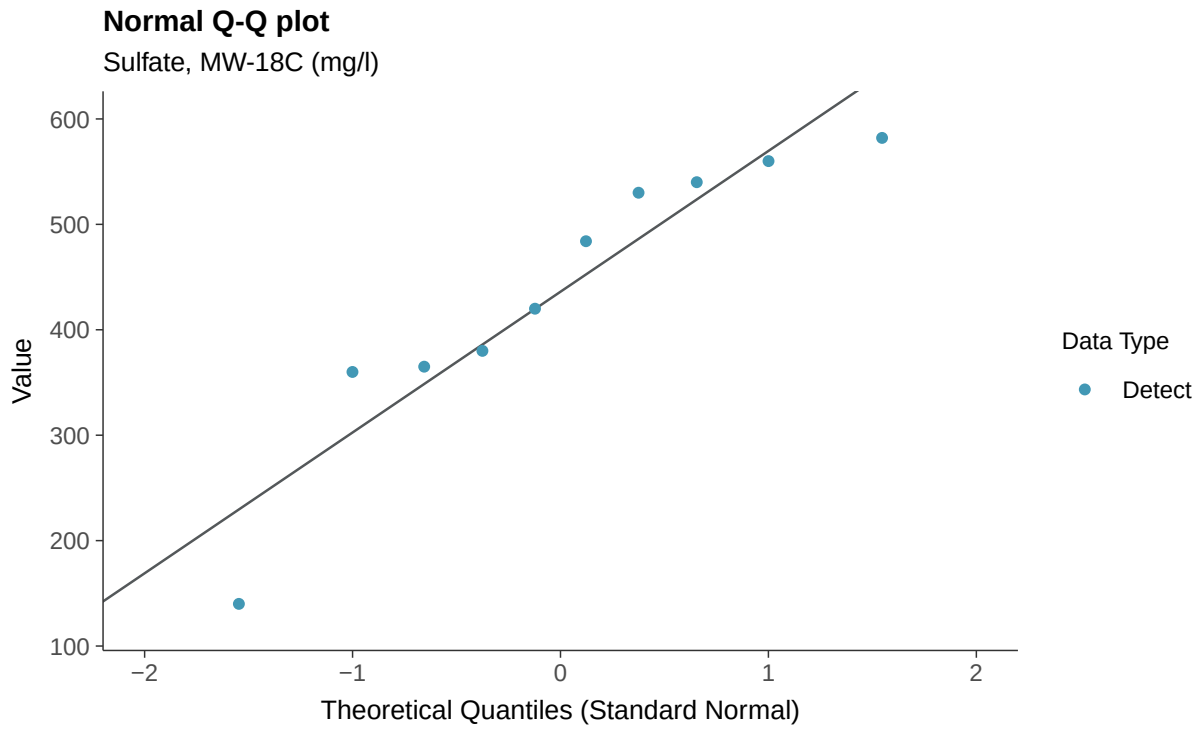
Sulfate, MW-18C (mg/l)

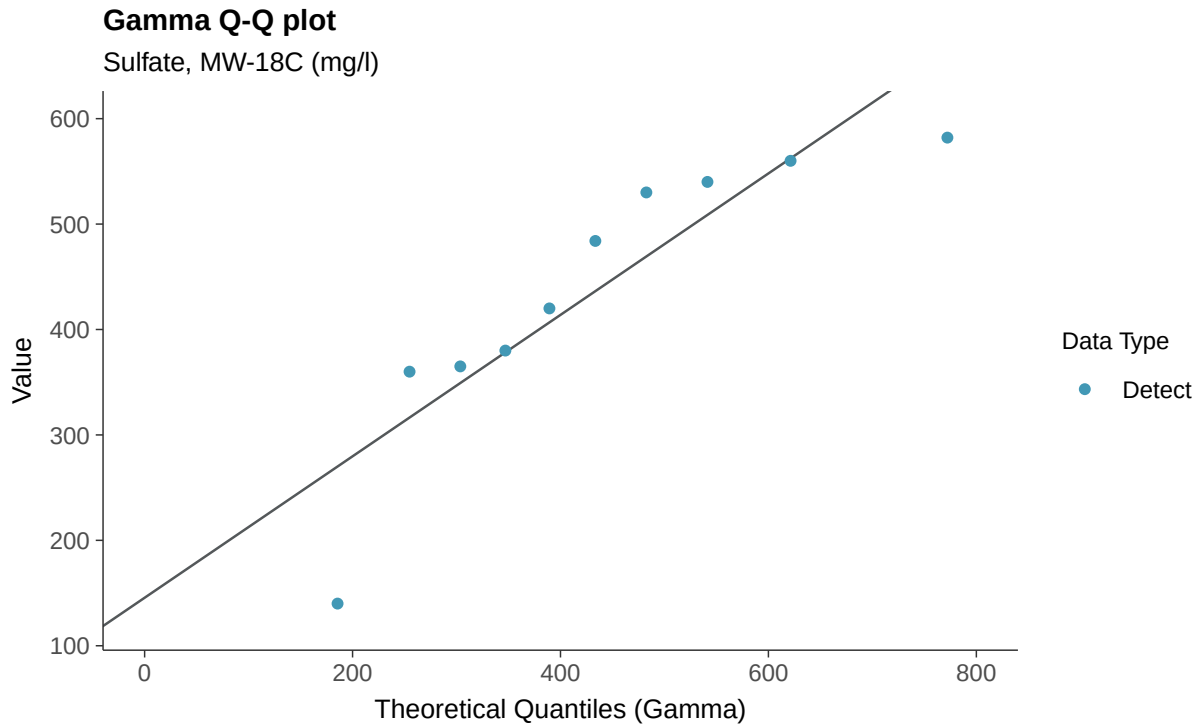


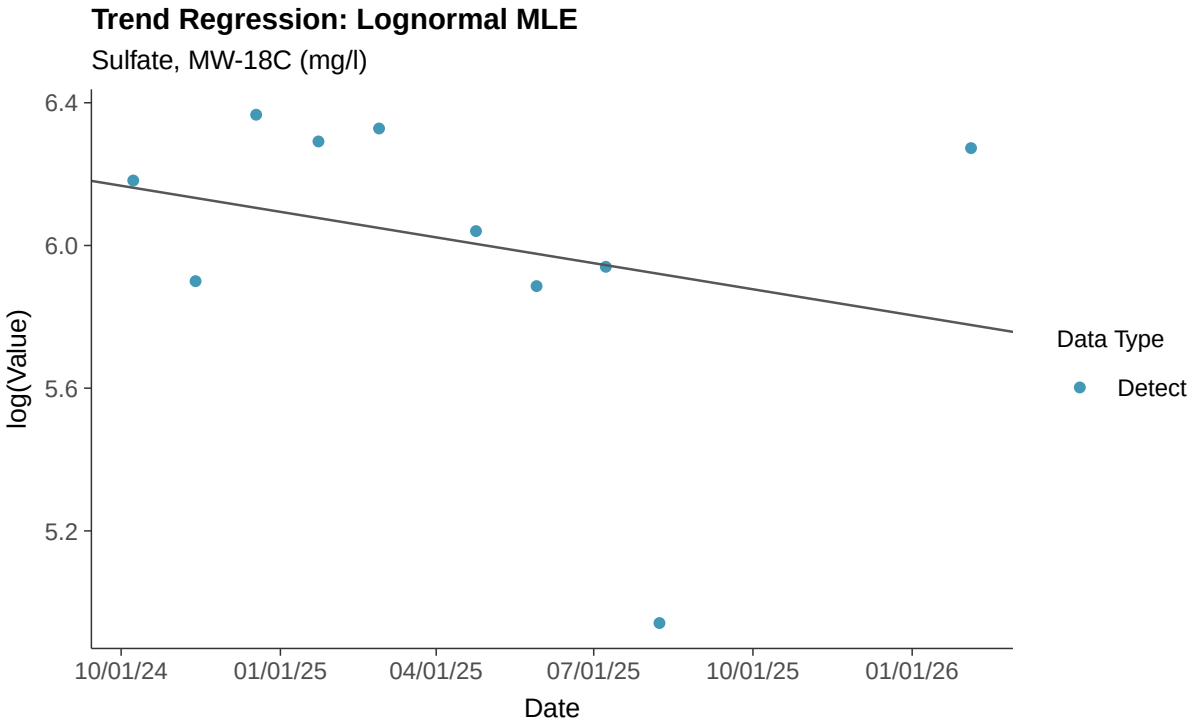
Boxplot by Season

Sulfate, MW-18C (mg/l)




Normal Q-Q plot
Sulfate, MW-18C (mg/l)
Value
600
500
400
300
200
100
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Gamma Q-Q plot
Sulfate, MW-18C (mg/l)
Value
600
500
400
300
200
100
0
200
400
600
800
Theoretical Quantiles (Gamma)
Data Type
Detect

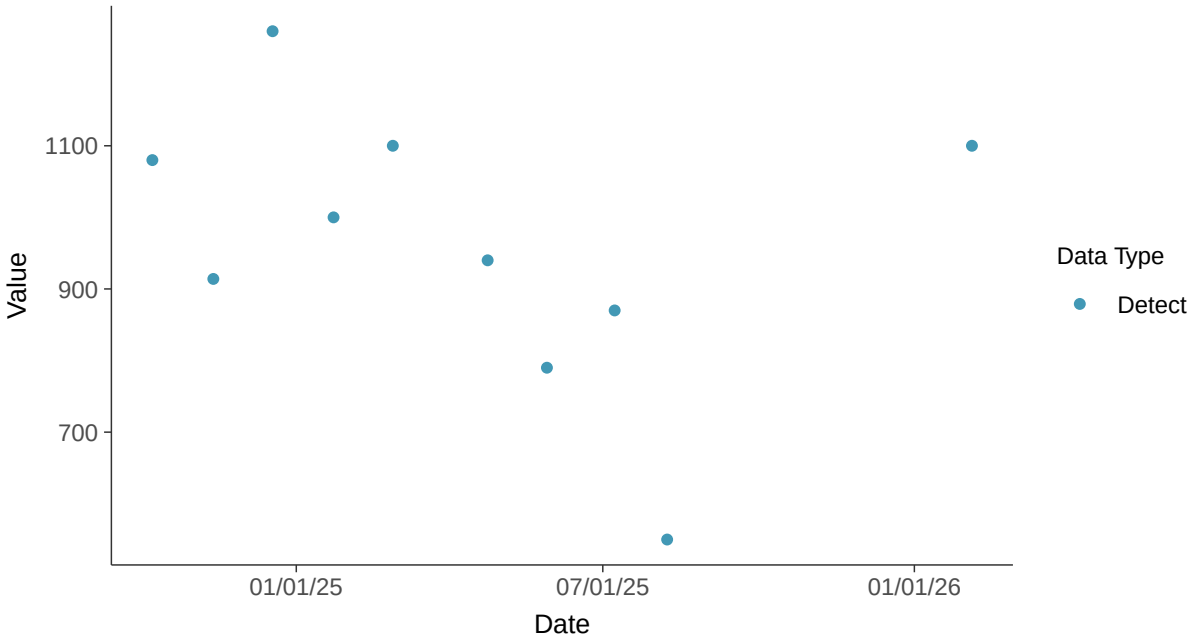

Trend Regression: Lognormal MLE
Sulfate, MW-18C (mg/l)
6.4
6.0
5.6
5.2
log(Value)
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Total Dissolved Solids, MW-18C

ID: 16_2_126

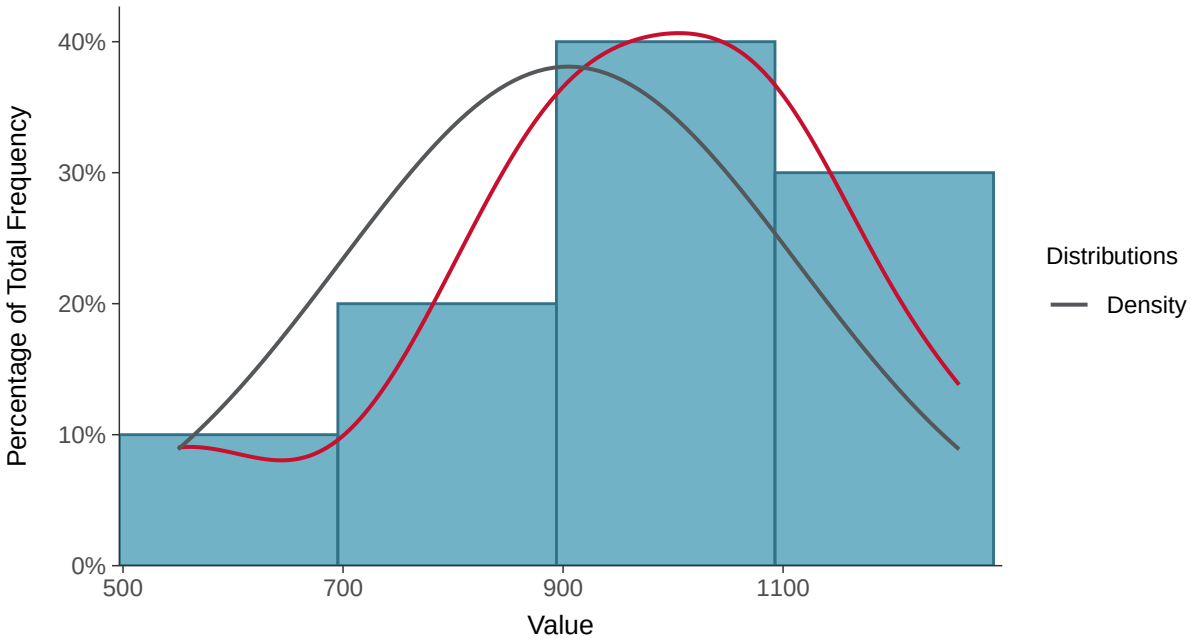
Scatter Plot

Total Dissolved Solids, MW-18C (mg/l)



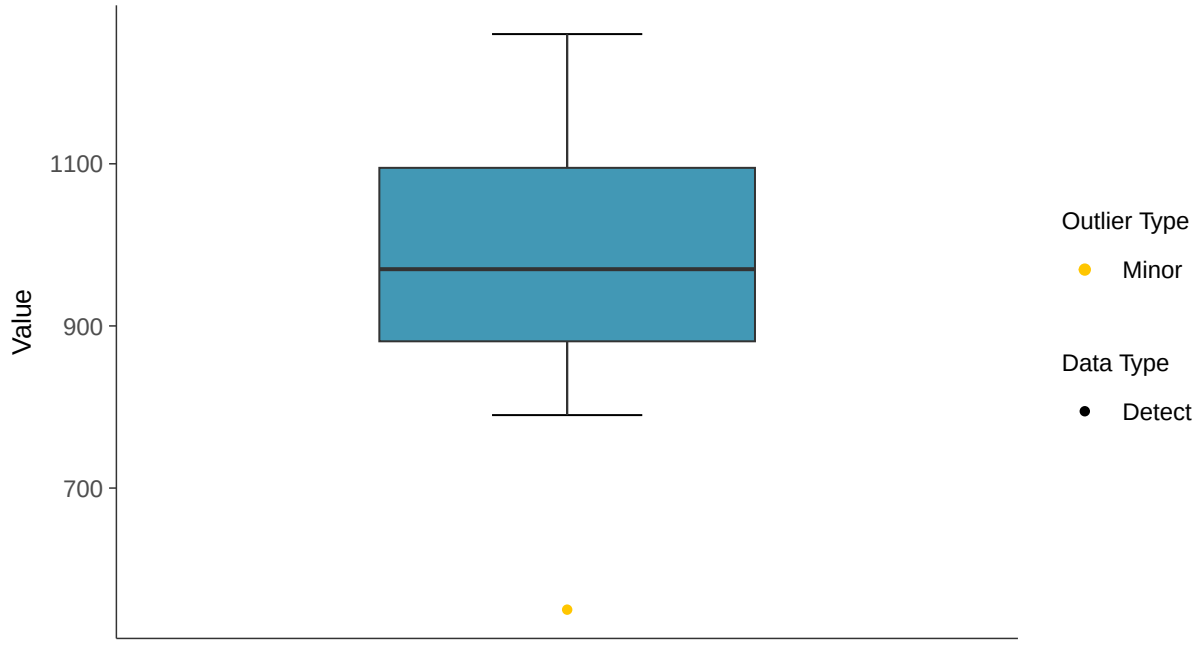
Histogram

Total Dissolved Solids, MW-18C (mg/l)



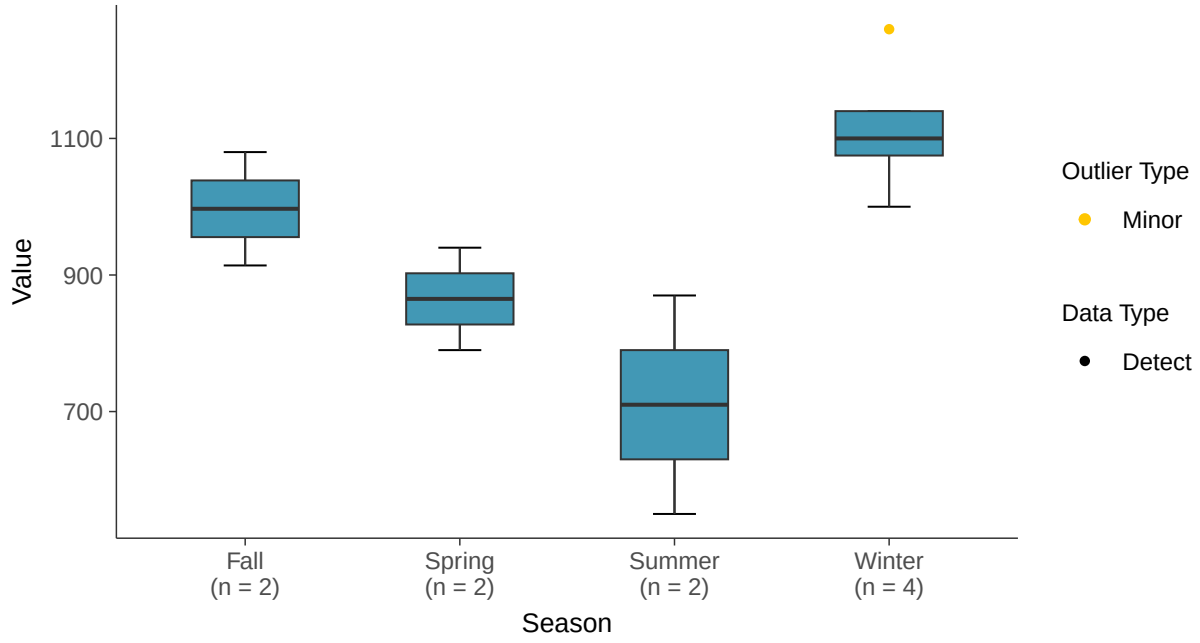
Boxplot

Total Dissolved Solids, MW-18C (mg/l)



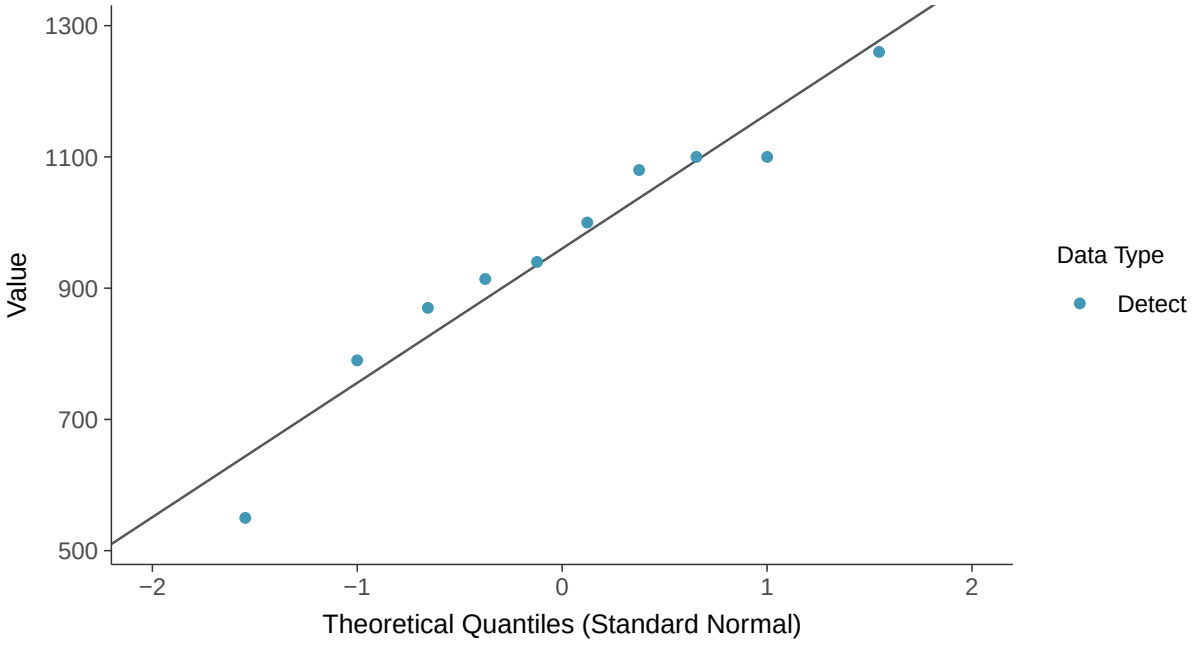
Boxplot by Season

Total Dissolved Solids, MW-18C (mg/l)



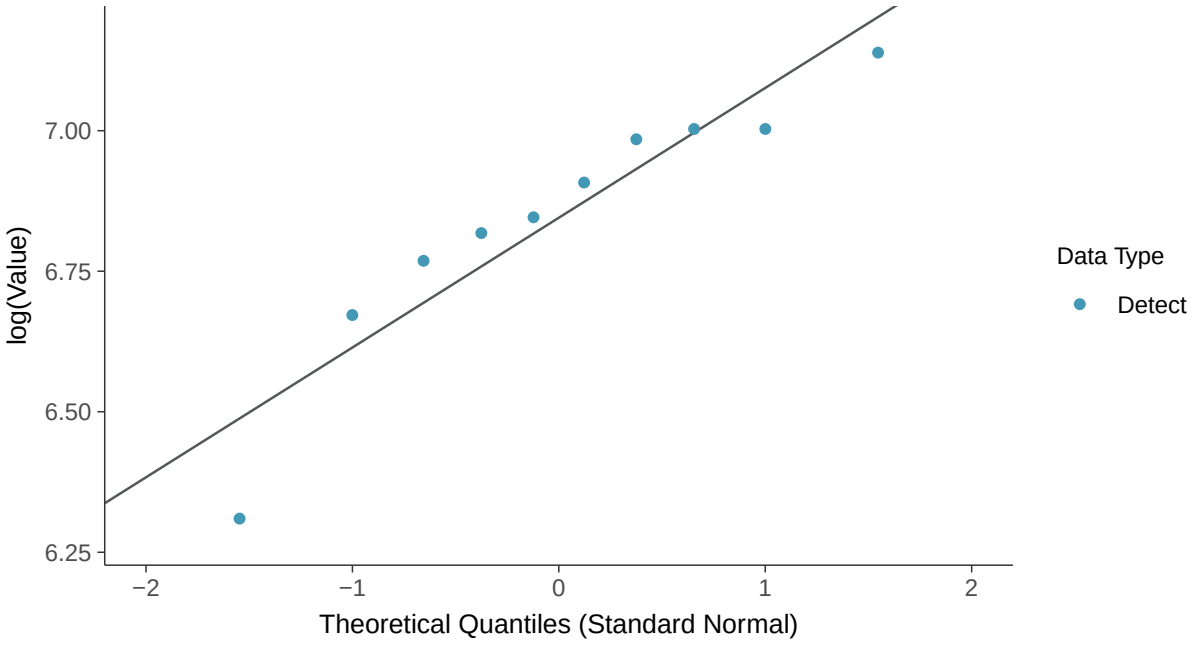
Normal Q-Q plot

Total Dissolved Solids, MW-18C (mg/l)



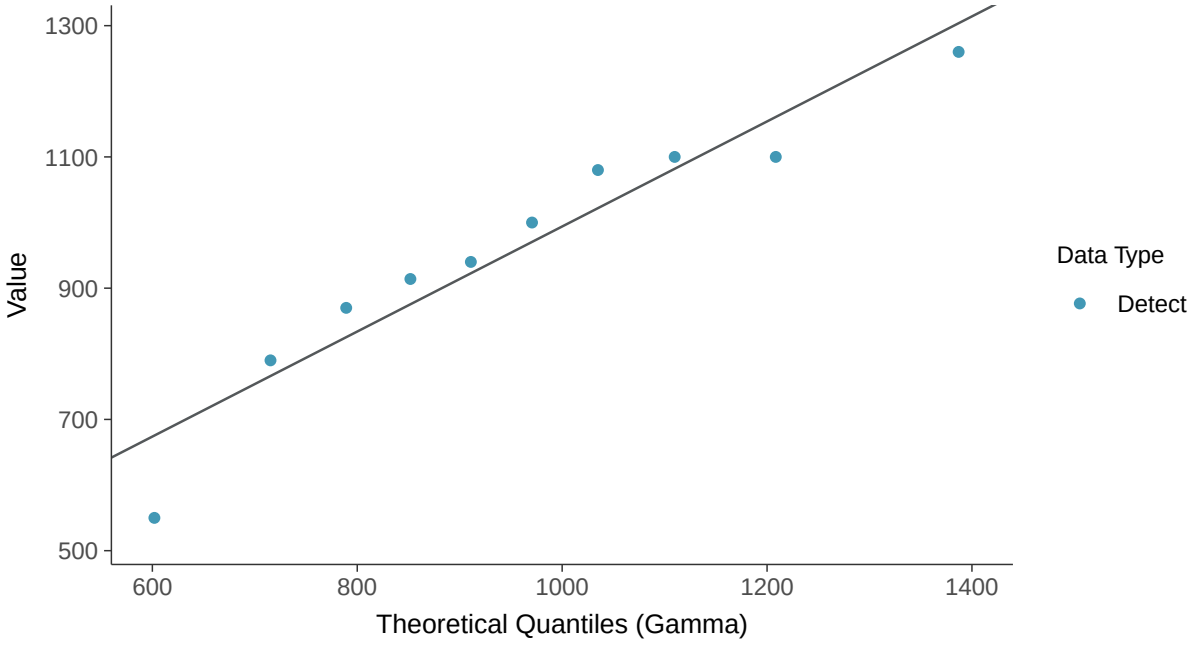
Lognormal Q-Q plot

Total Dissolved Solids, MW-18C (mg/l)



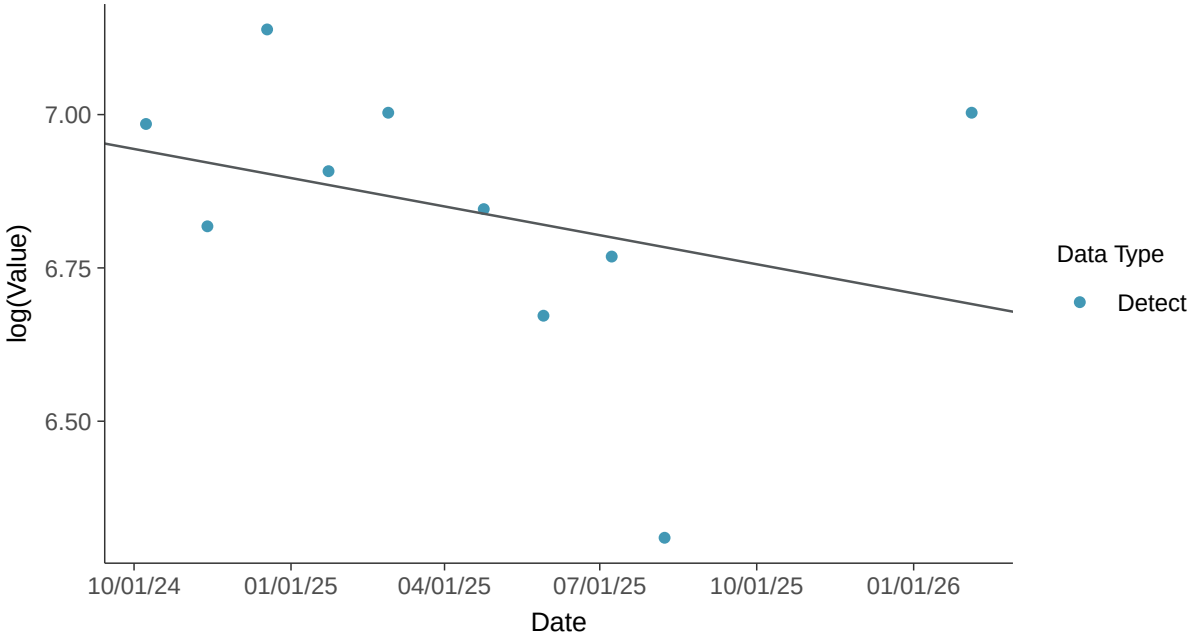
Gamma Q-Q plot

Total Dissolved Solids, MW-18C (mg/l)



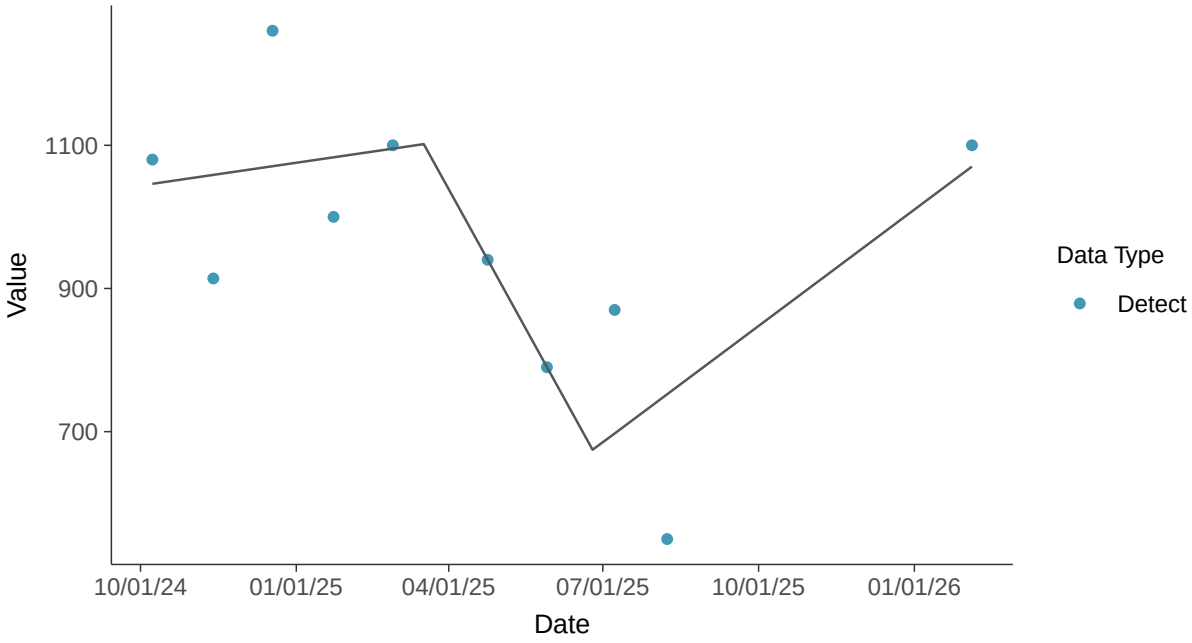
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-18C (mg/l)



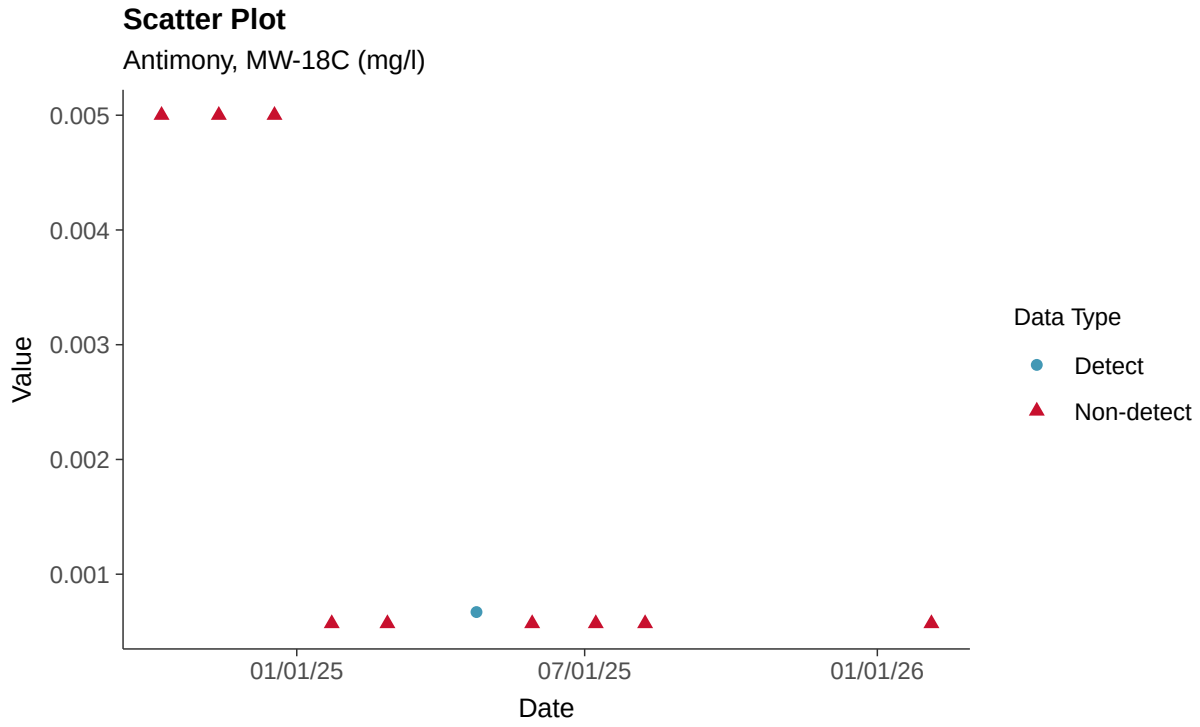
Trend Regression: Piecewise Linear-Linear-Linear

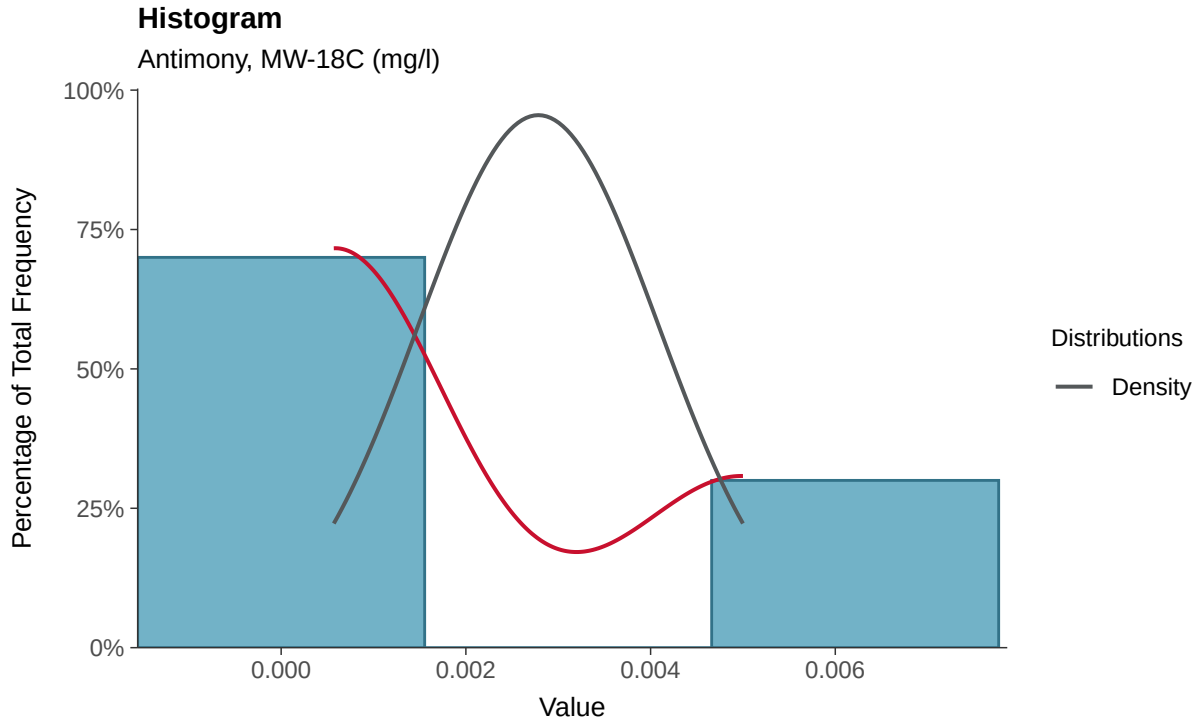
Total Dissolved Solids, MW-18C (mg/l)



Appendix IV: Antimony, MW-18C

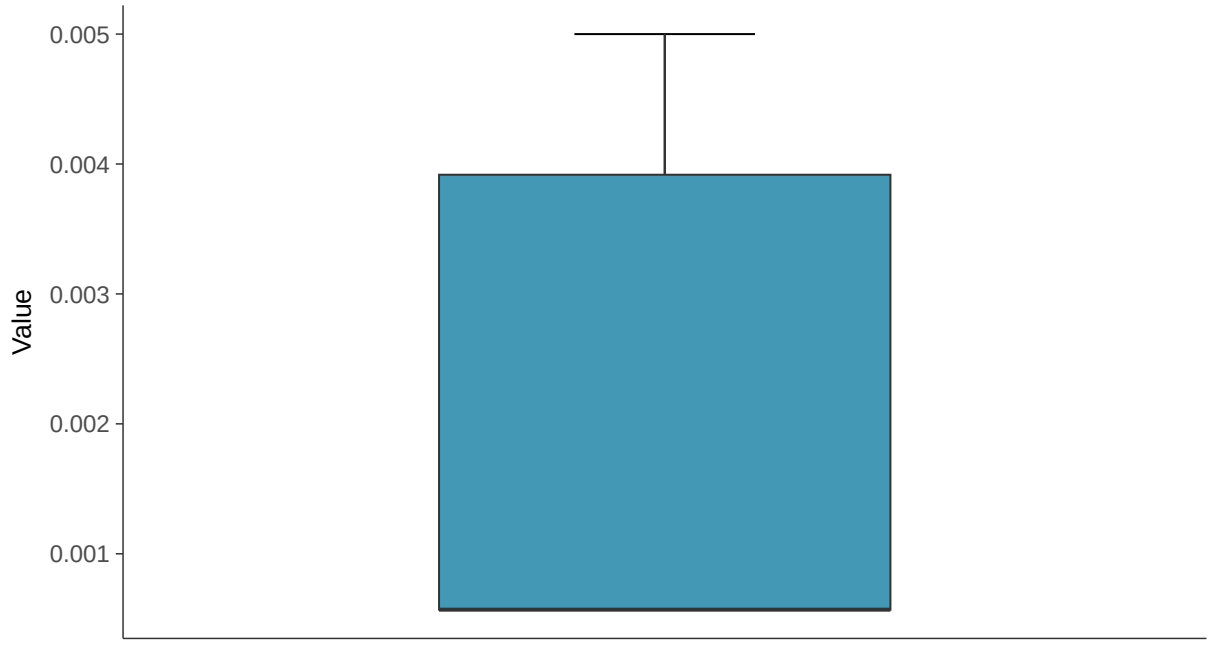
ID: 16_3_101





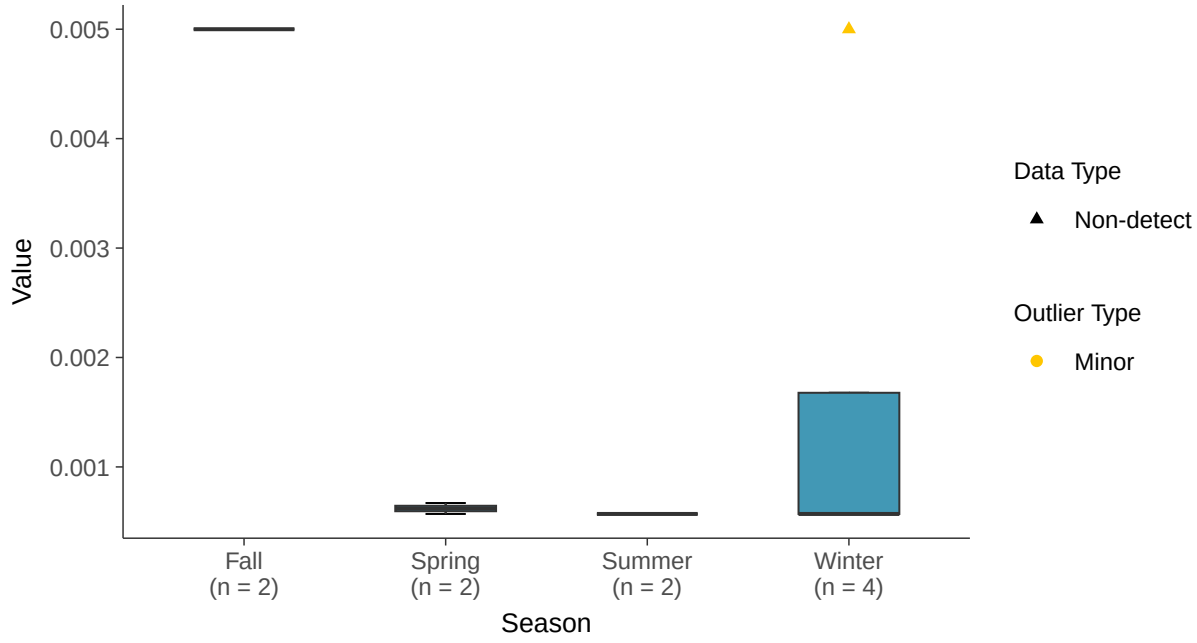
Boxplot

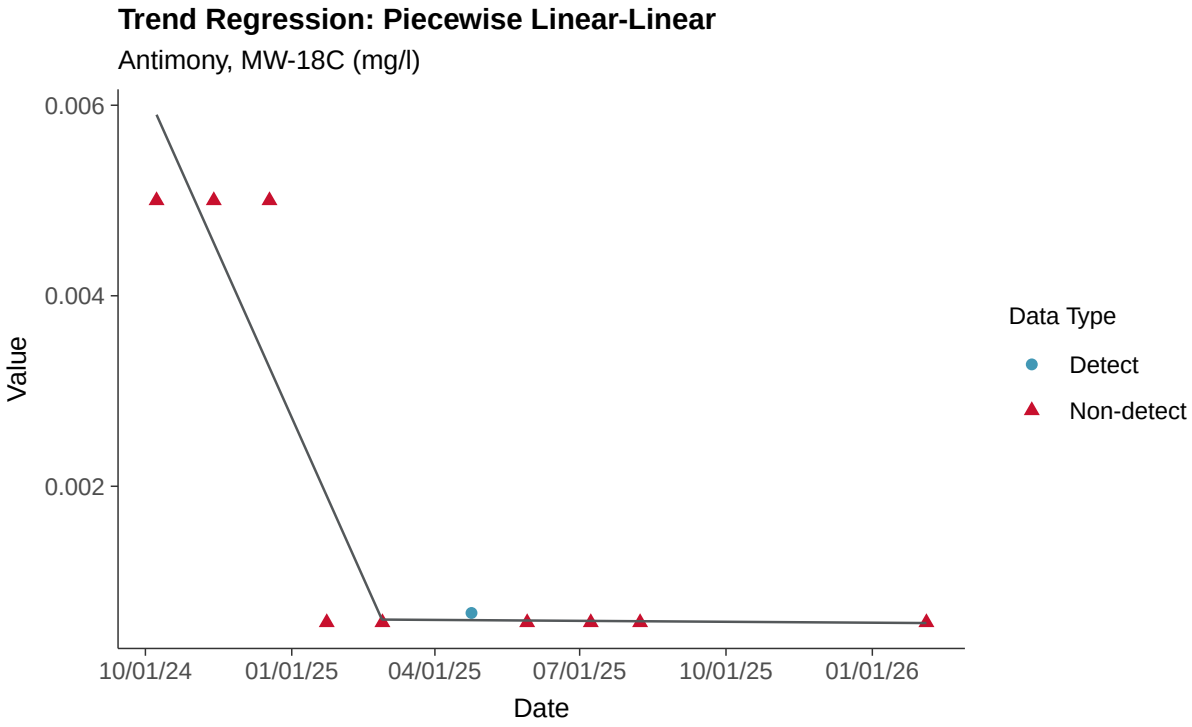
Antimony, MW-18C (mg/l)



Boxplot by Season

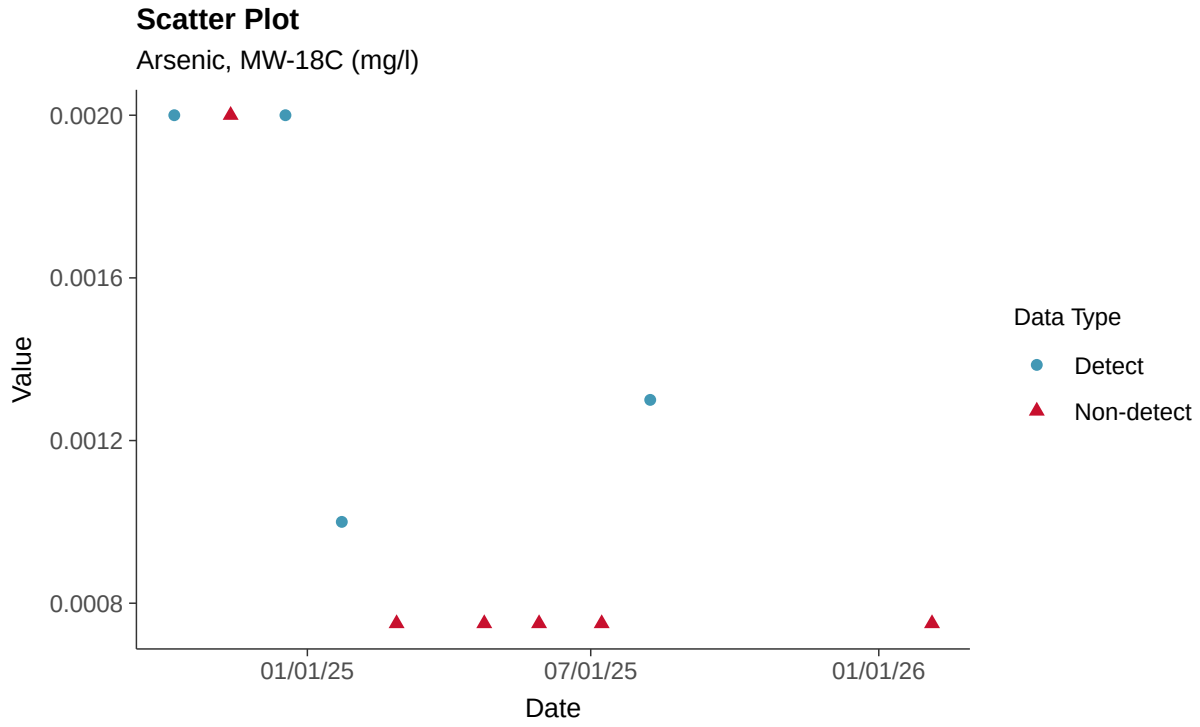
Antimony, MW-18C (mg/l)

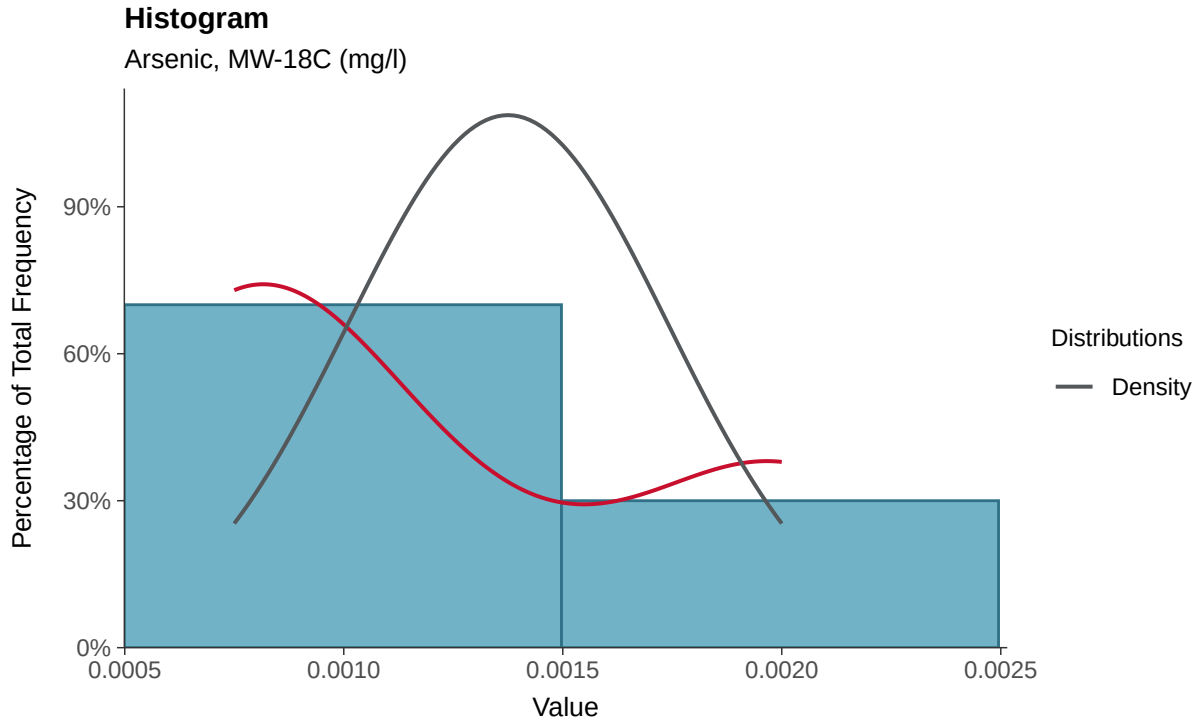



Trend Regression: Piecewise Linear-Linear
Antimony, MW-18C (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Arsenic, MW-18C

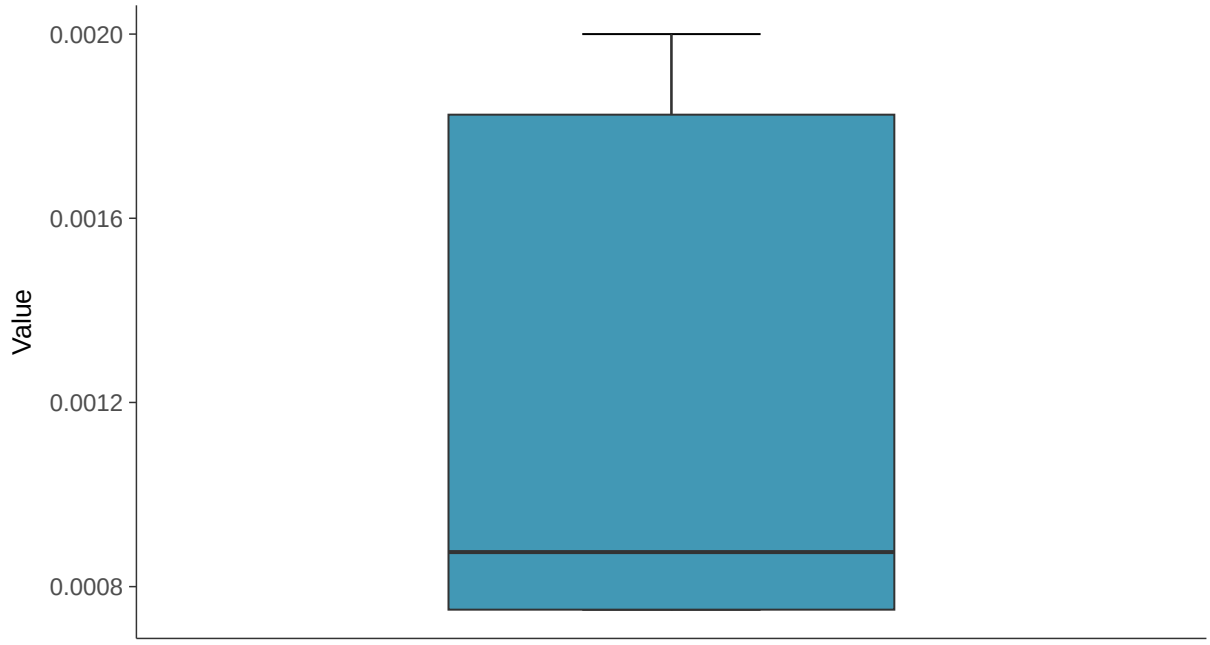
ID: 16_3_102





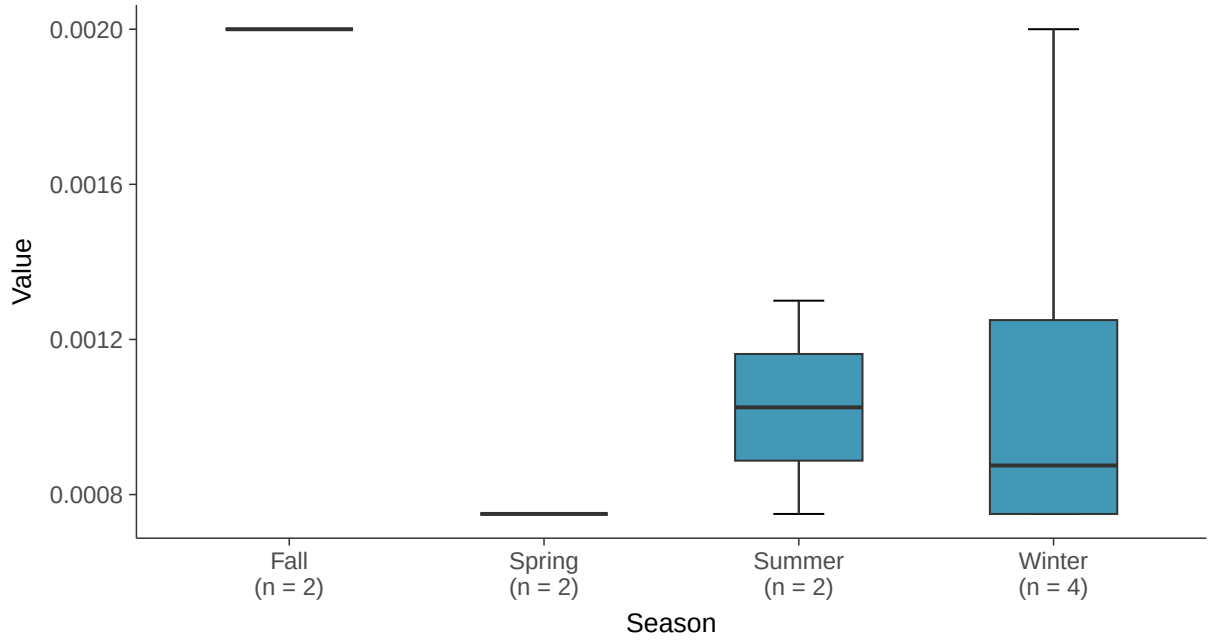
Boxplot

Arsenic, MW-18C (mg/l)



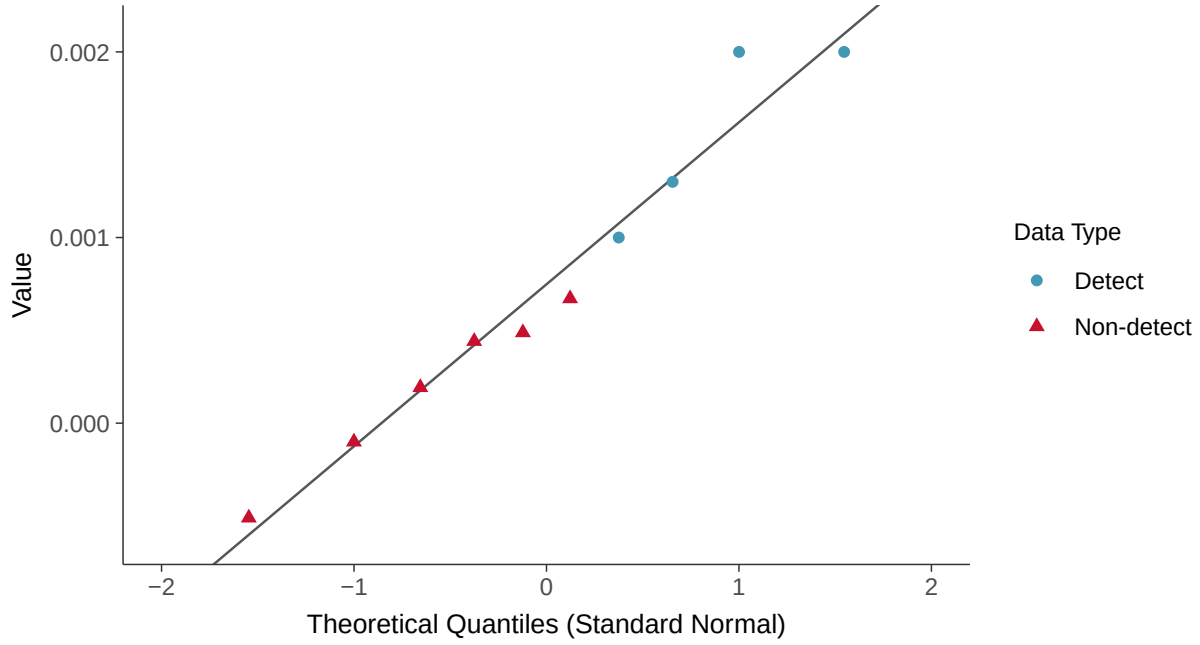
Boxplot by Season

Arsenic, MW-18C (mg/l)



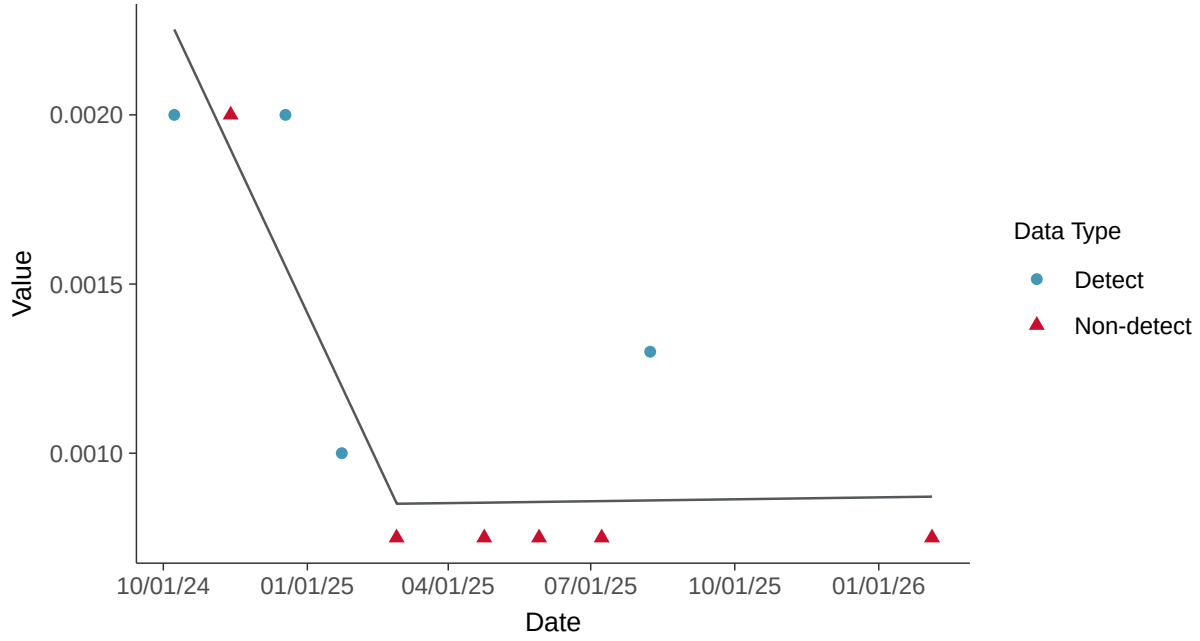
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-18C (mg/l)



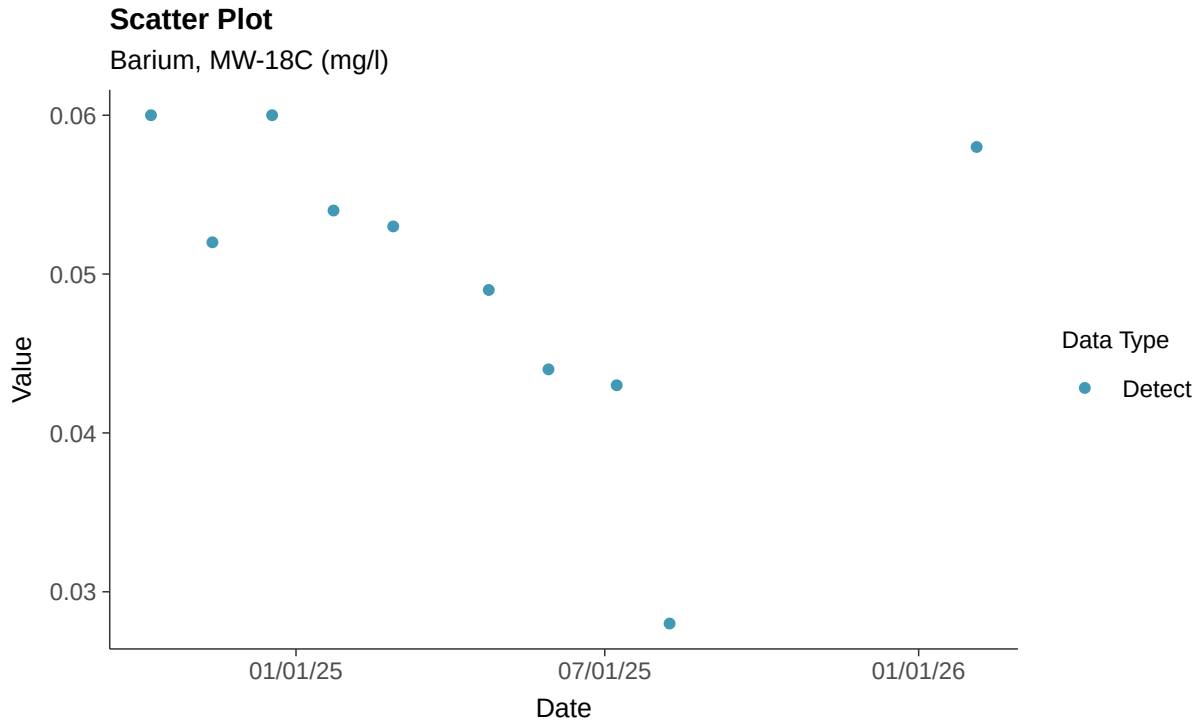
Trend Regression: Piecewise Linear-Linear

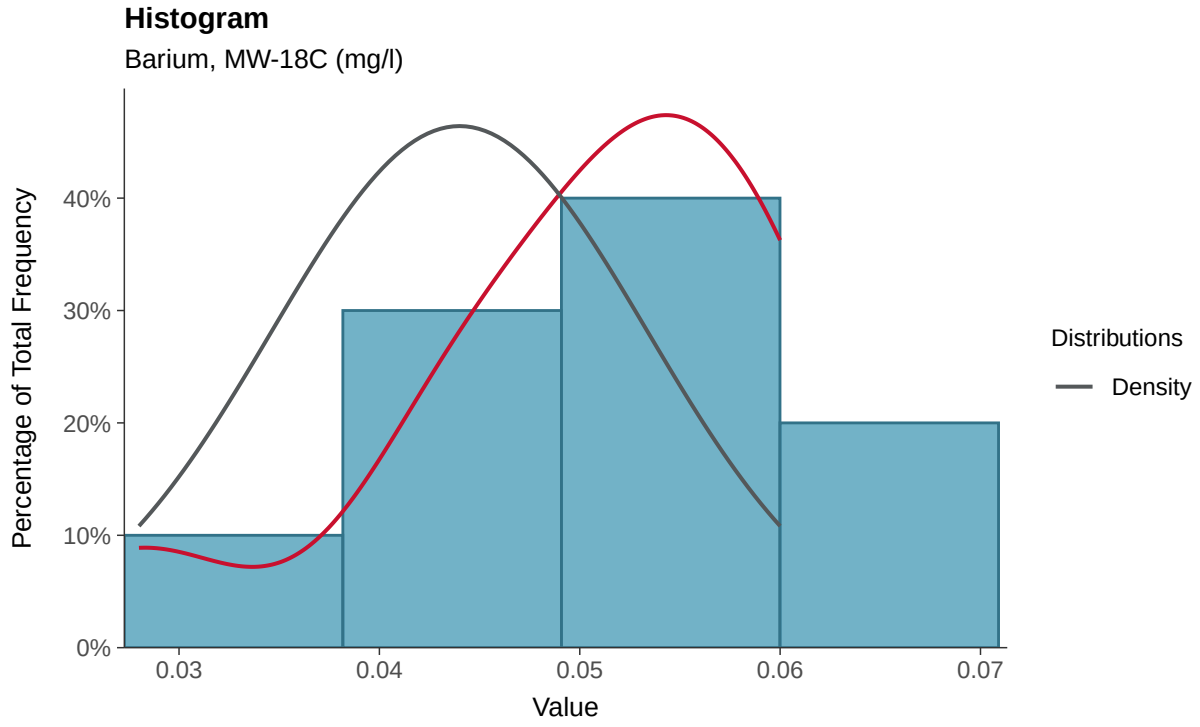
Arsenic, MW-18C (mg/l)



Appendix IV: Barium, MW-18C

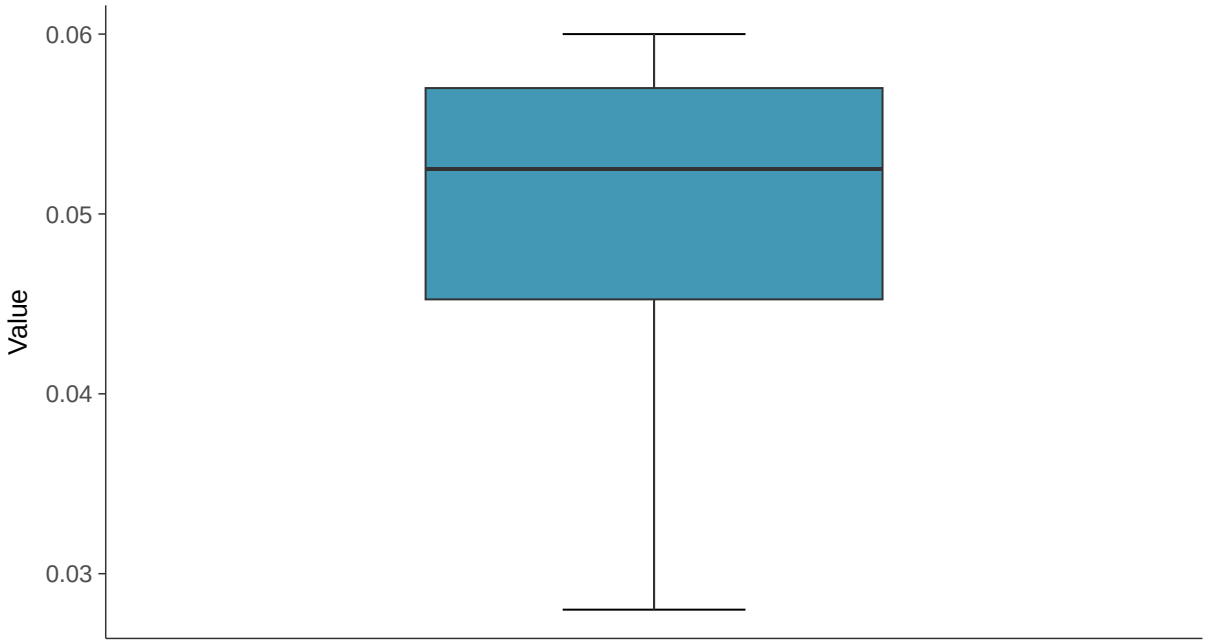
ID: 16_3_103





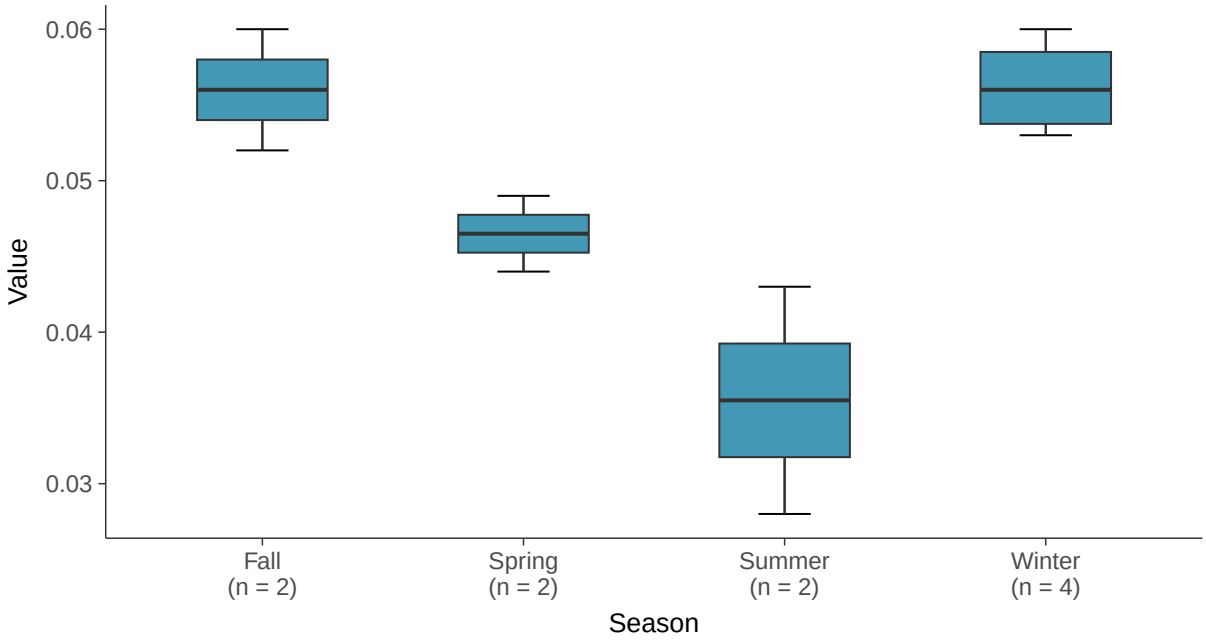
Boxplot

Barium, MW-18C (mg/l)



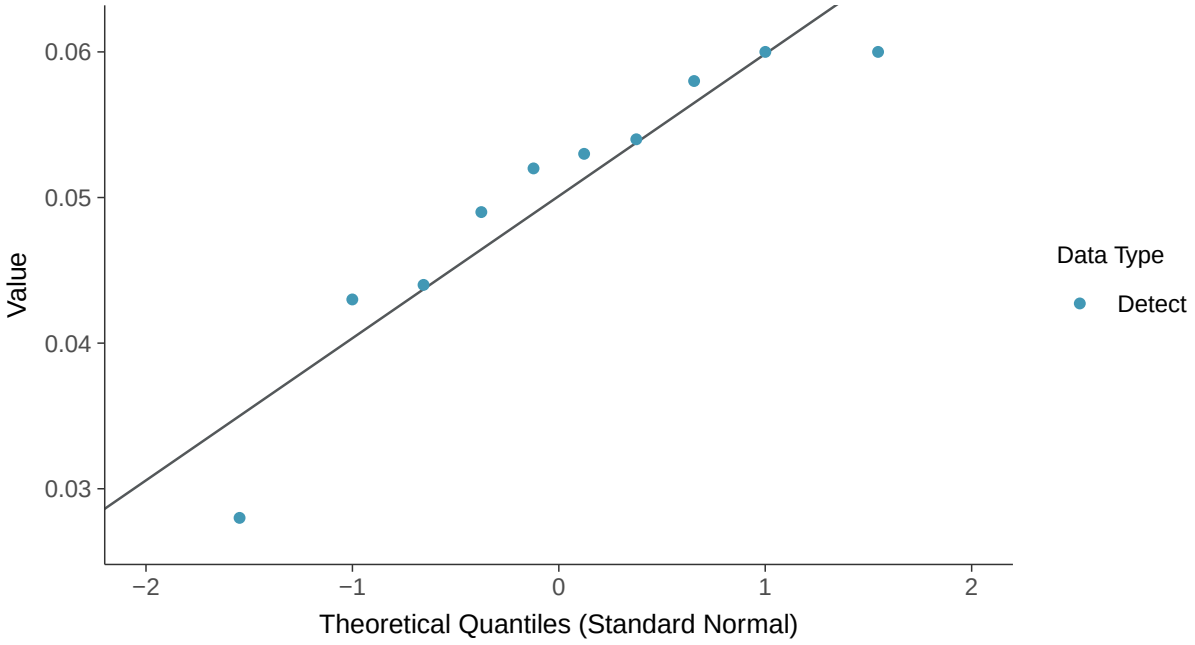
Boxplot by Season

Barium, MW-18C (mg/l)



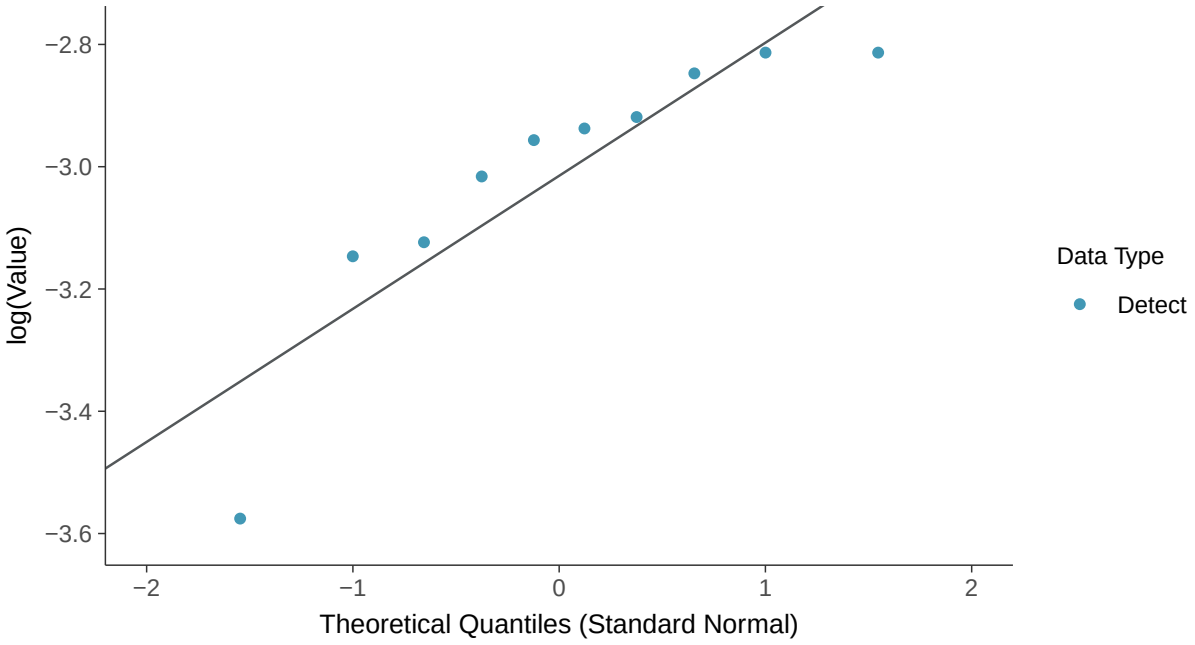
Normal Q-Q plot

Barium, MW-18C (mg/l)



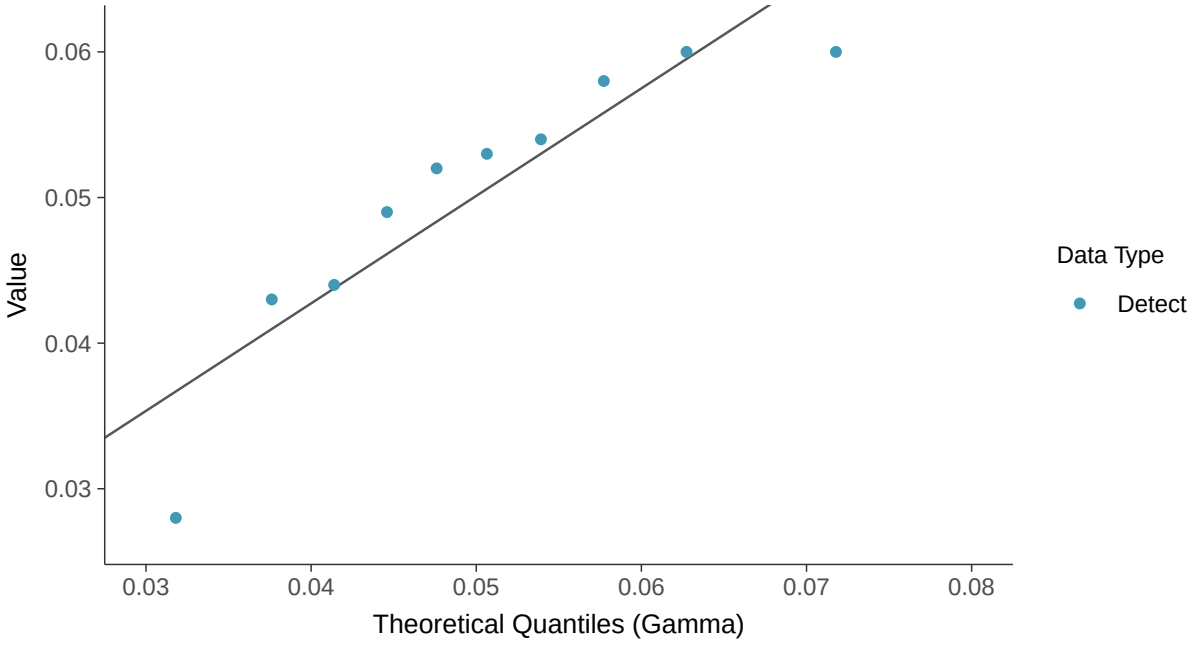
Lognormal Q-Q plot

Barium, MW-18C (mg/l)



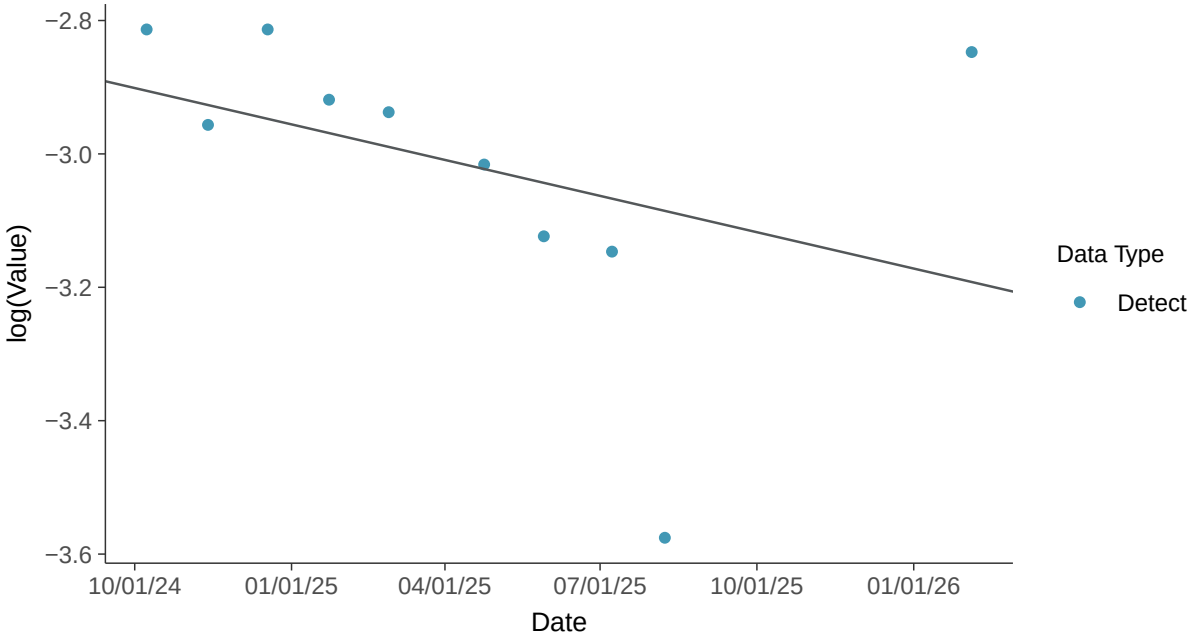
Gamma Q-Q plot

Barium, MW-18C (mg/l)



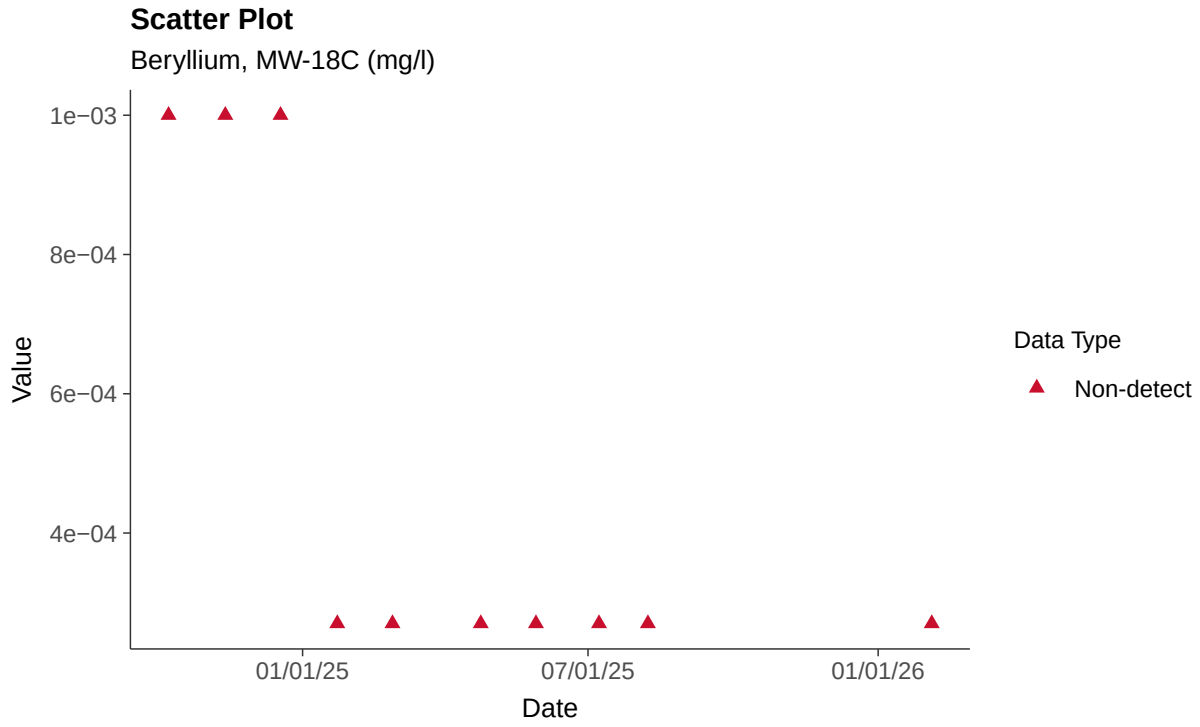
Trend Regression: Lognormal MLE

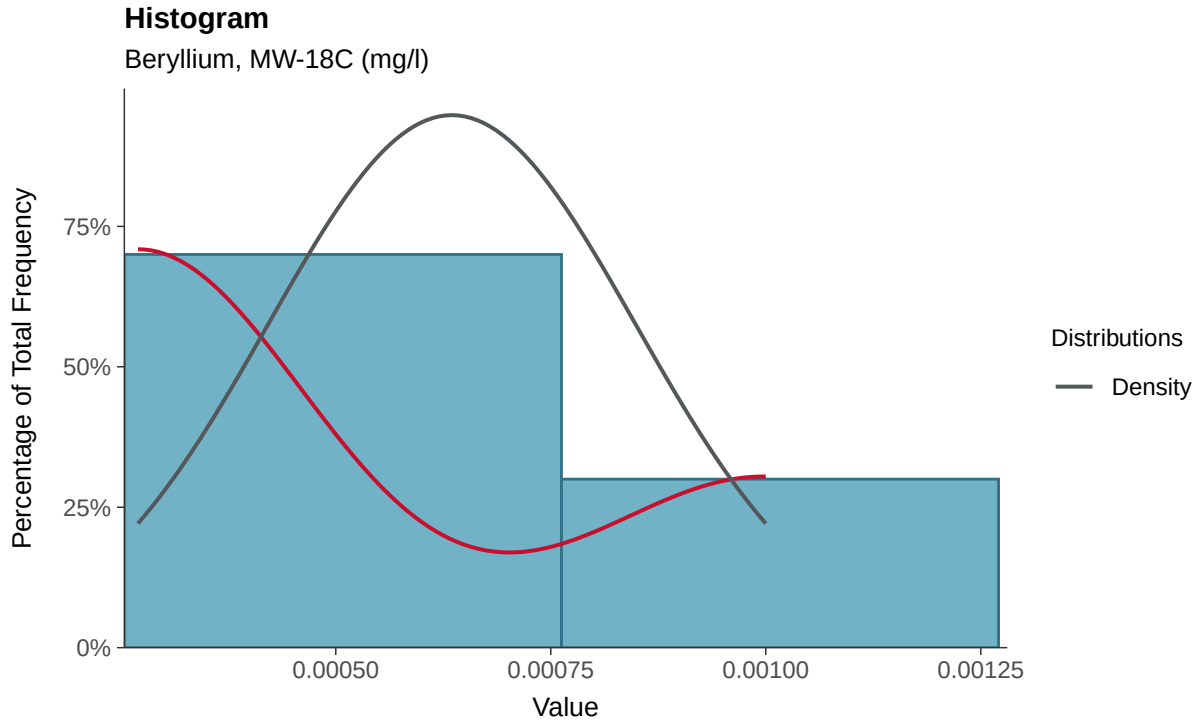
Barium, MW-18C (mg/l)



Appendix IV: Beryllium, MW-18C

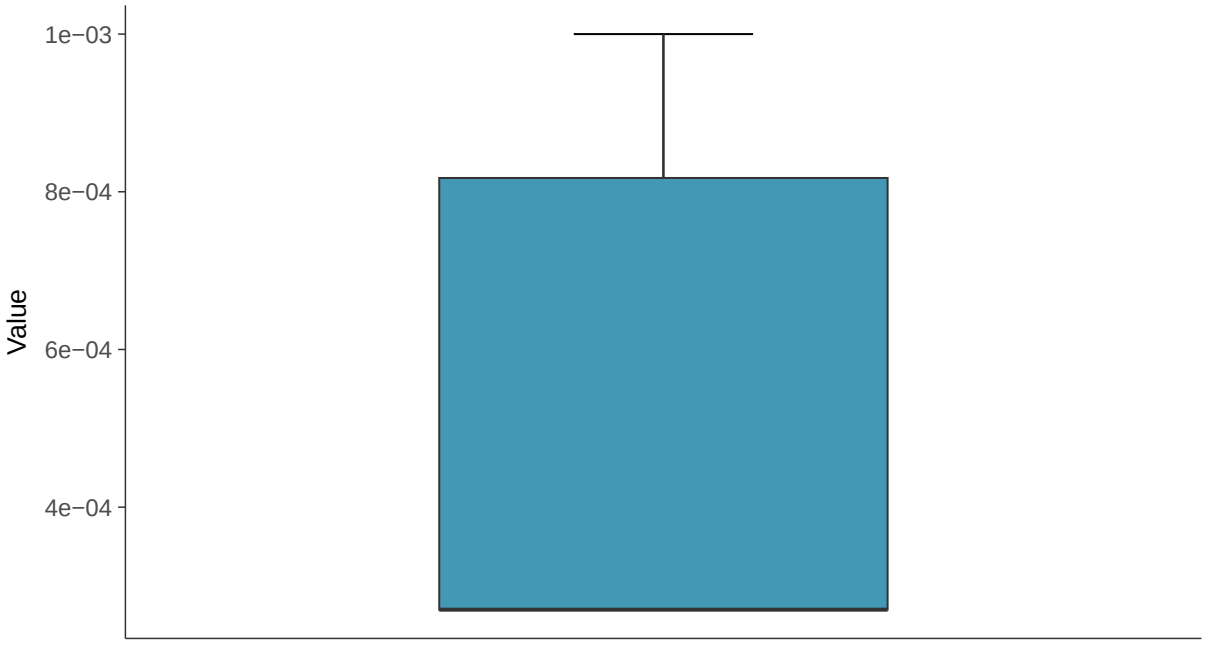
ID: 16_3_104





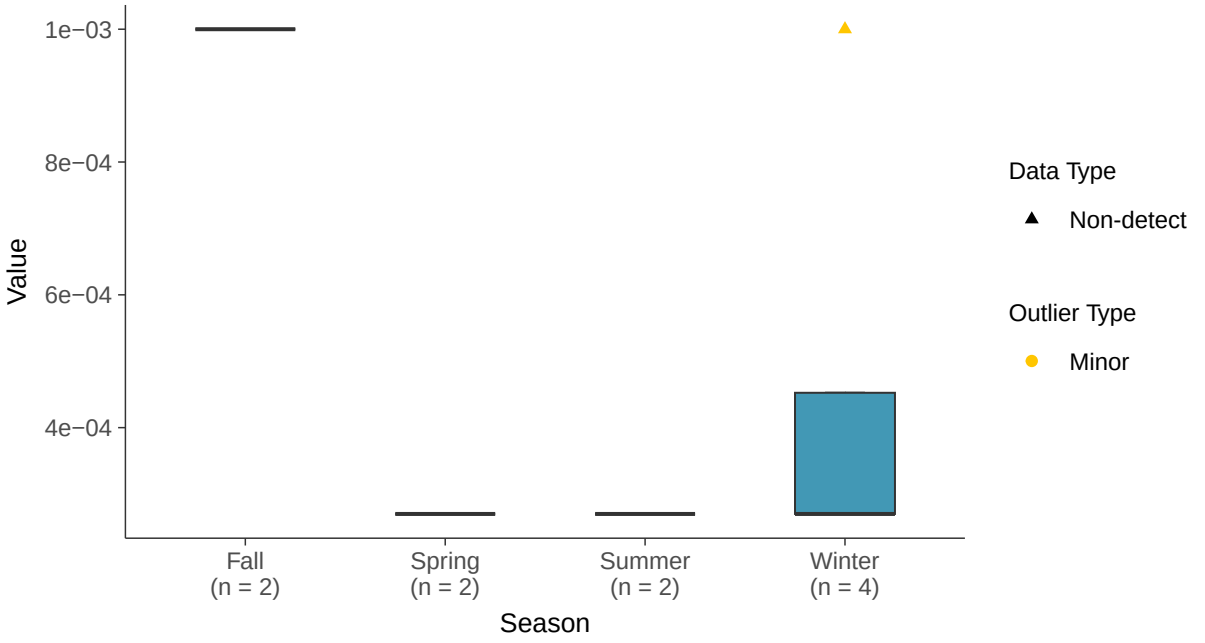
Boxplot

Beryllium, MW-18C (mg/l)



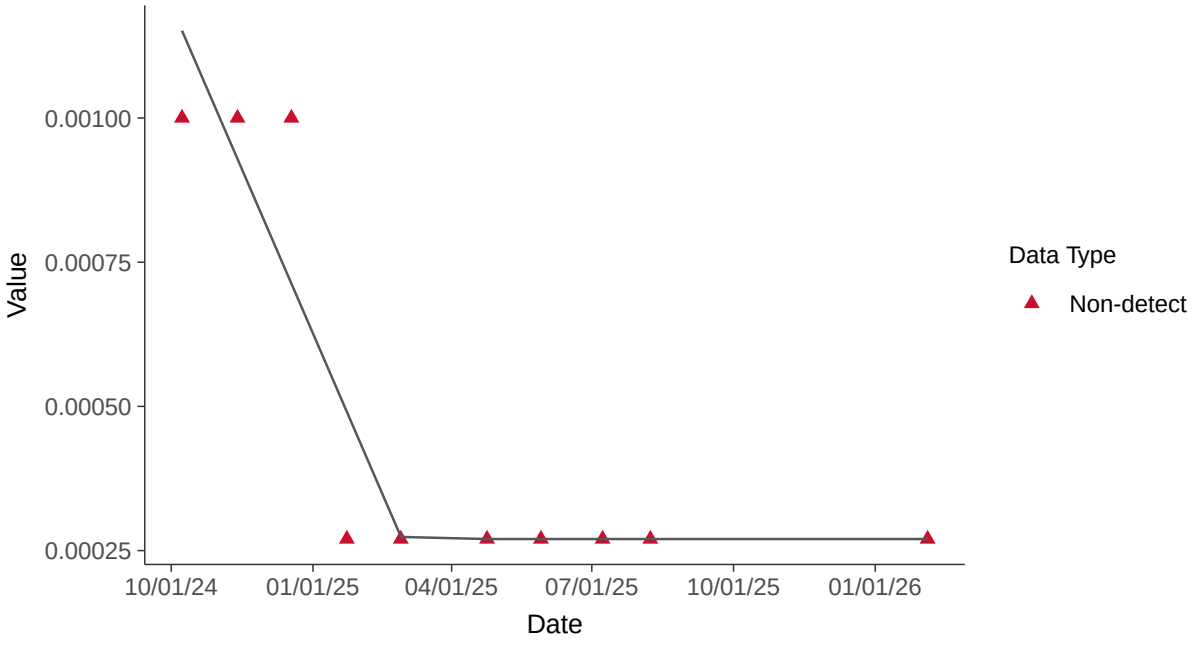
Boxplot by Season

Beryllium, MW-18C (mg/l)



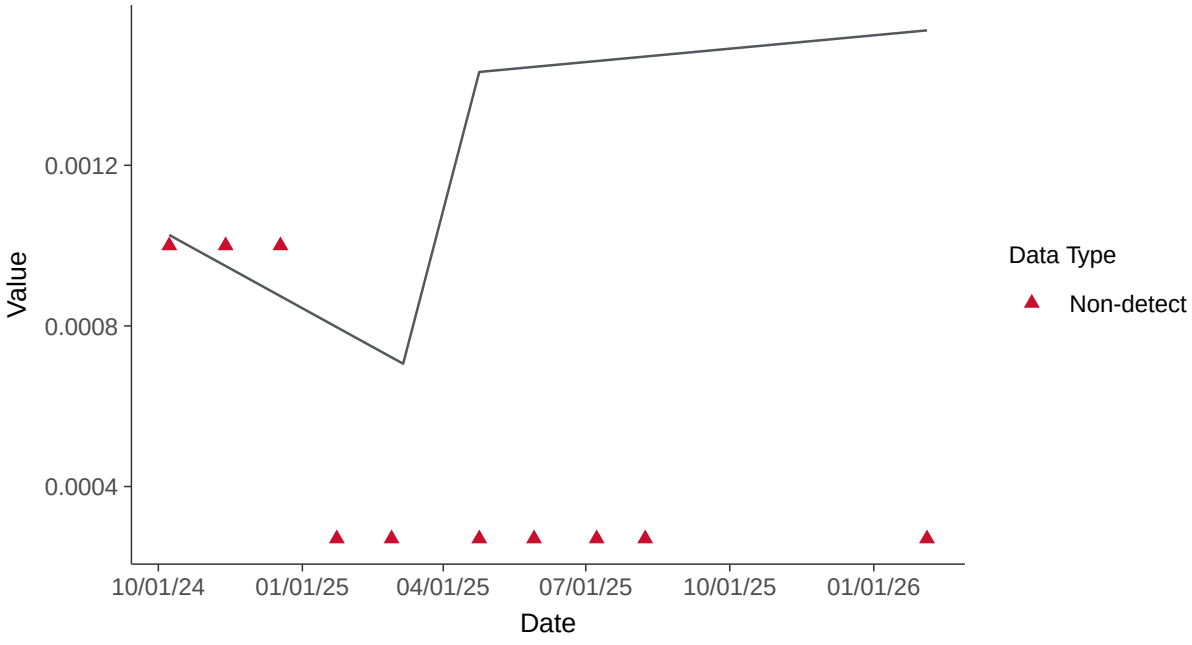
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-18C (mg/l)



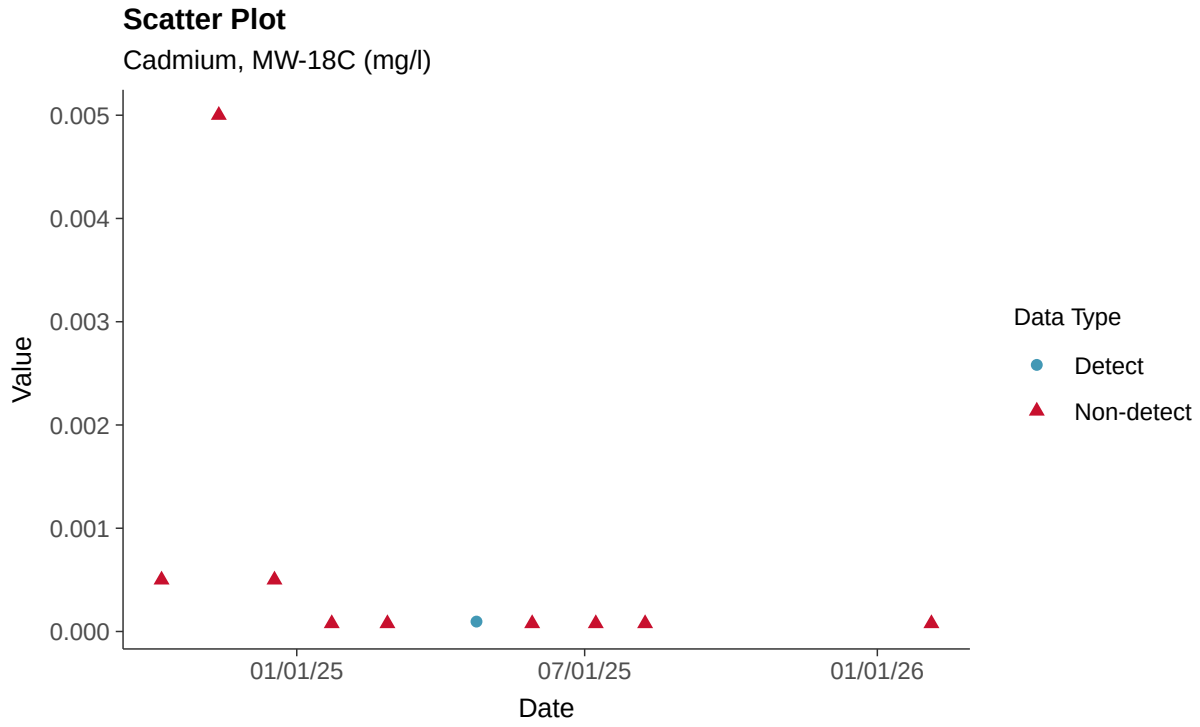
Trend Regression: Piecewise Linear-Linear-Linear

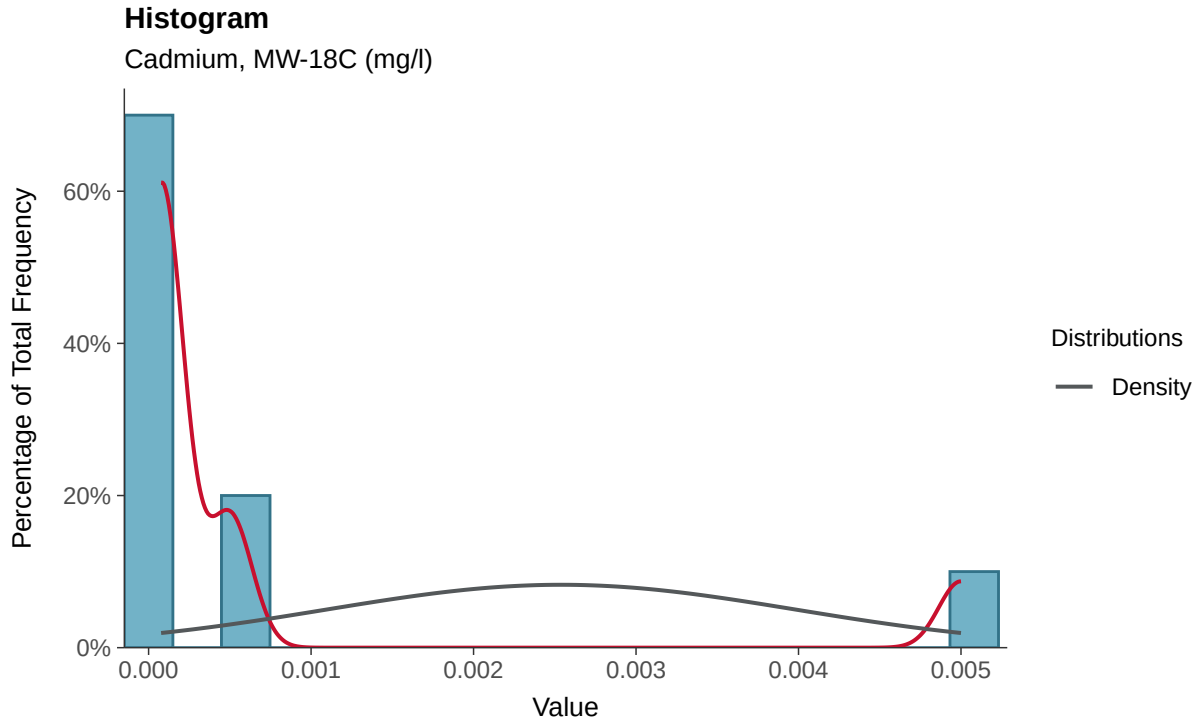
Beryllium, MW-18C (mg/l)



Appendix IV: Cadmium, MW-18C

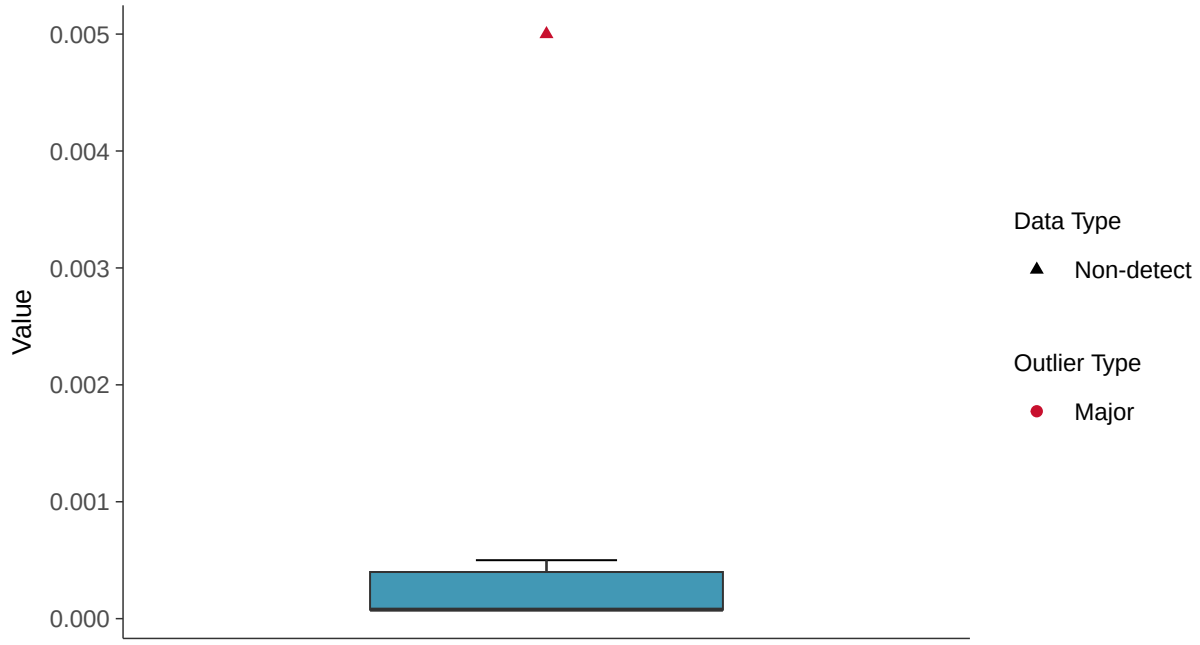
ID: 16_3_106





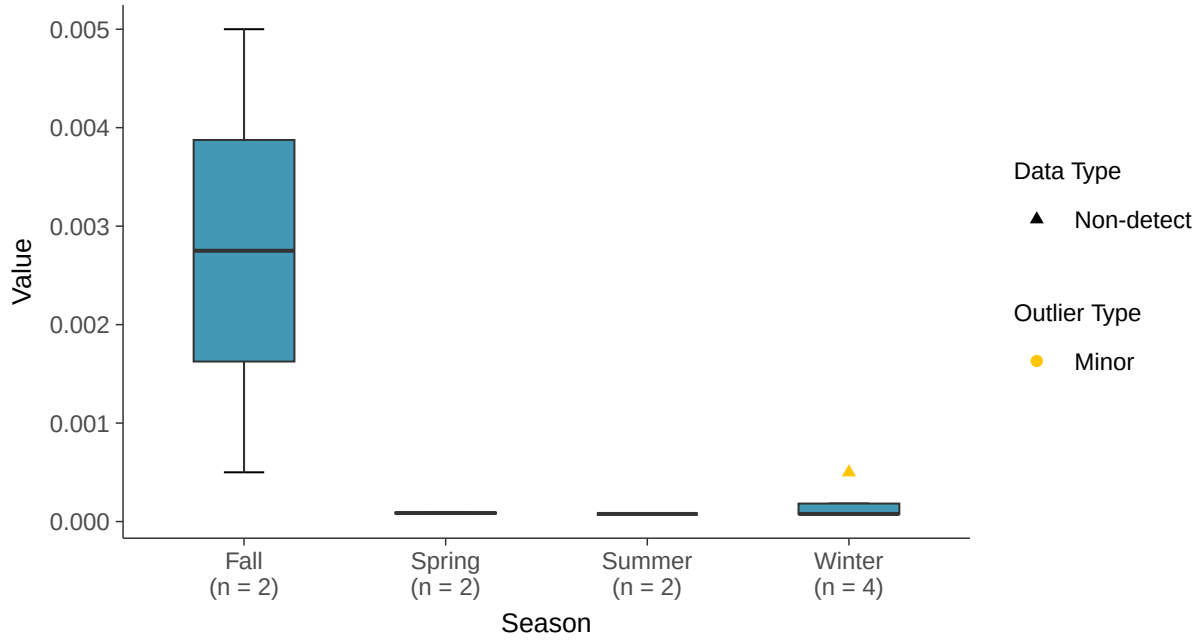
Boxplot

Cadmium, MW-18C (mg/l)



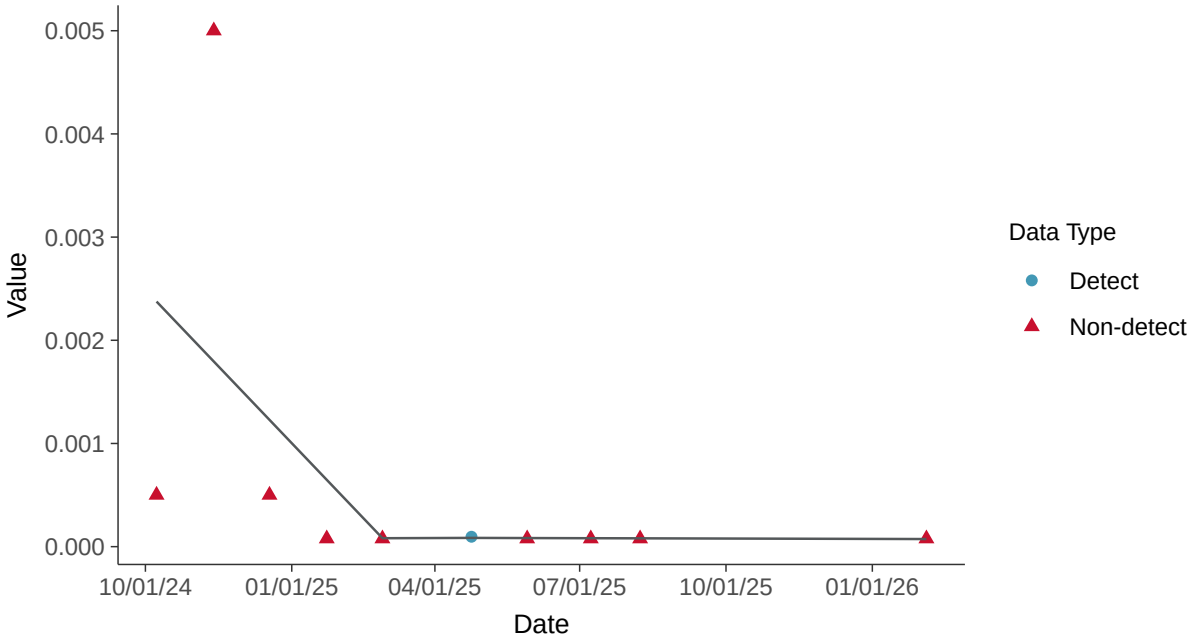
Boxplot by Season

Cadmium, MW-18C (mg/l)



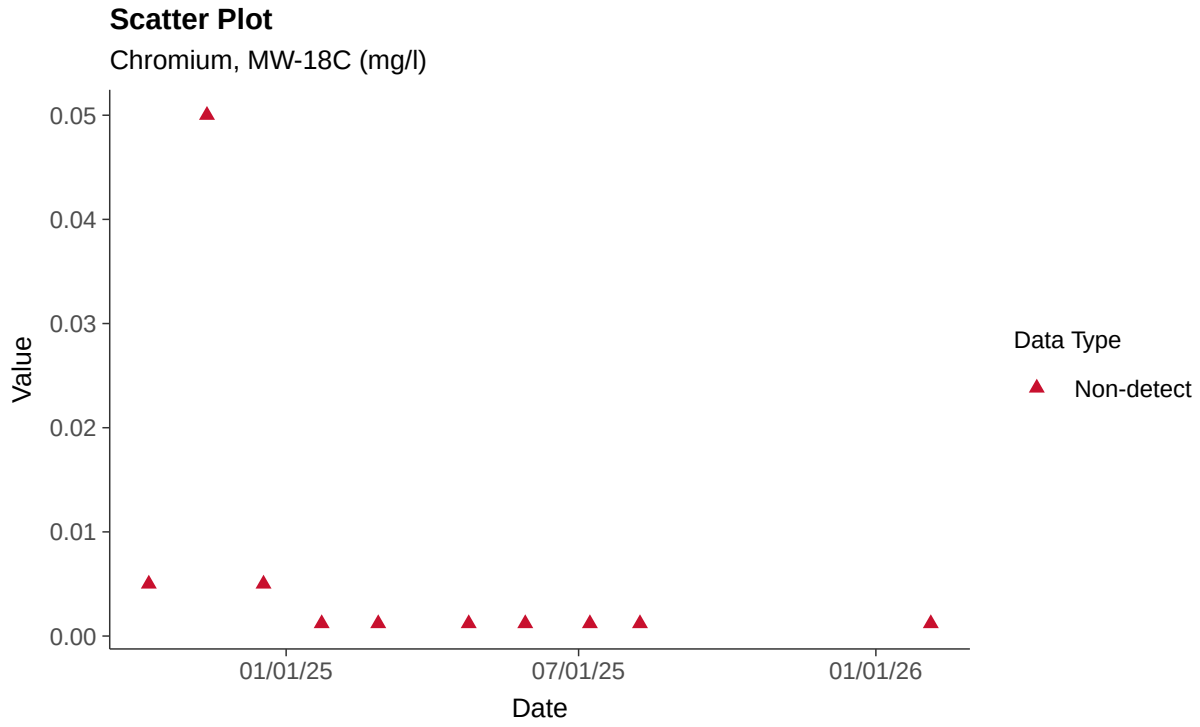
Trend Regression: Piecewise Linear-Linear

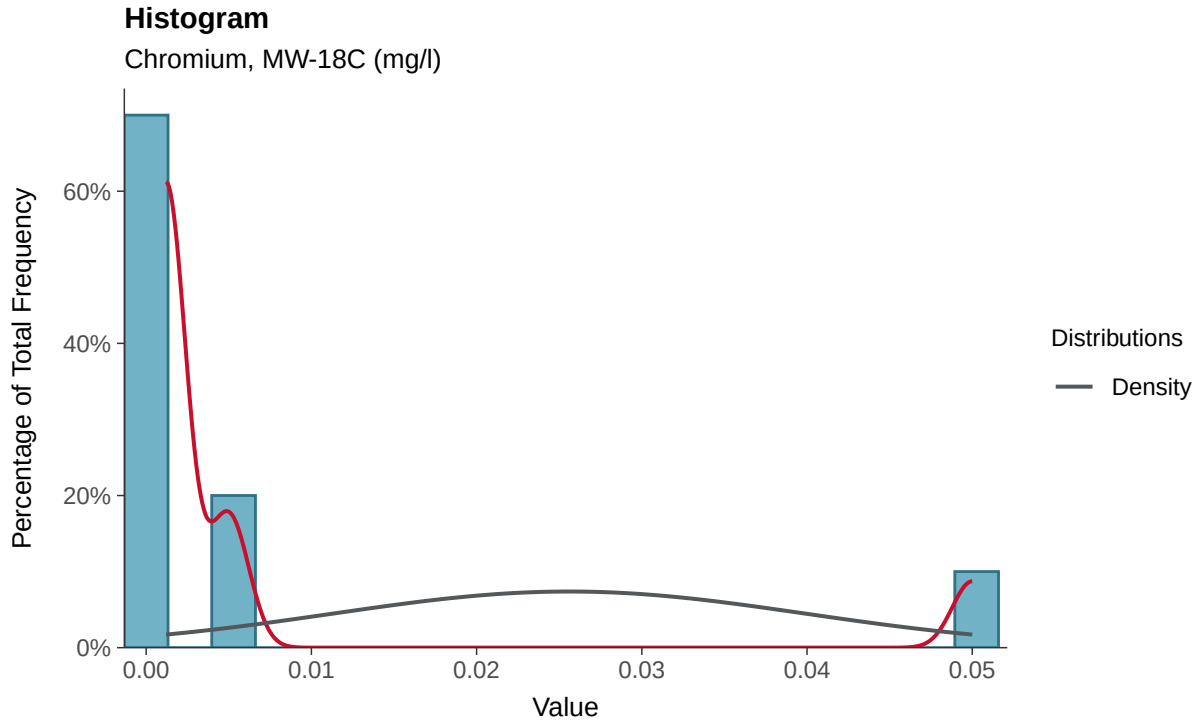
Cadmium, MW-18C (mg/l)



Appendix IV: Chromium, MW-18C

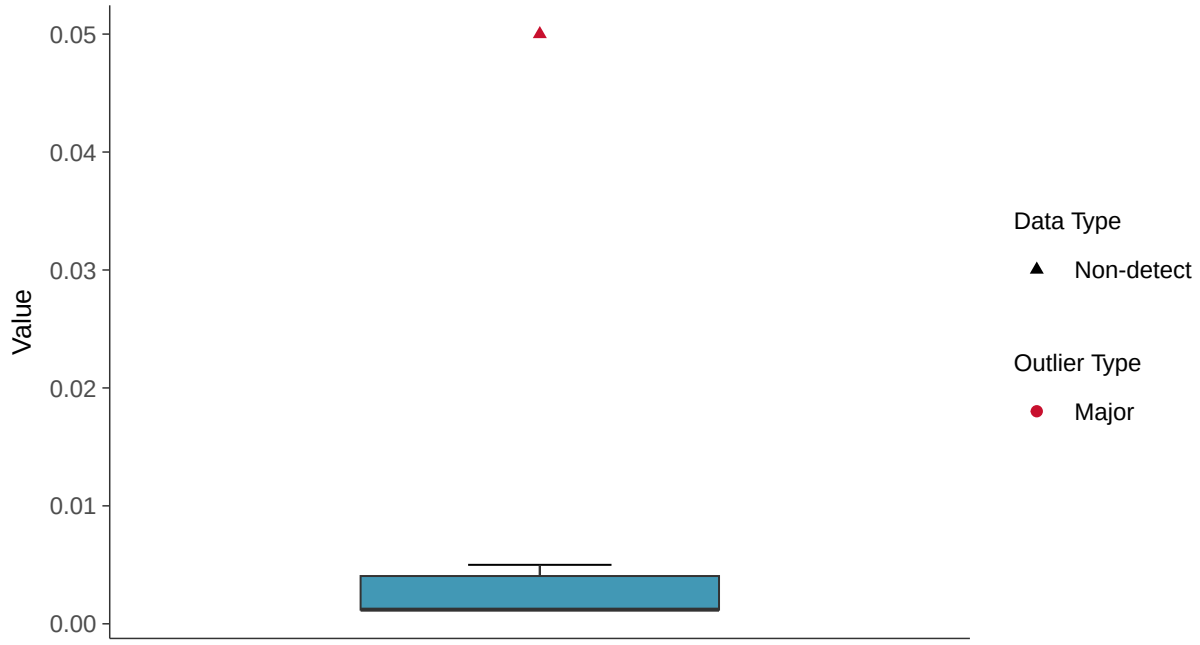
ID: 16_3_109





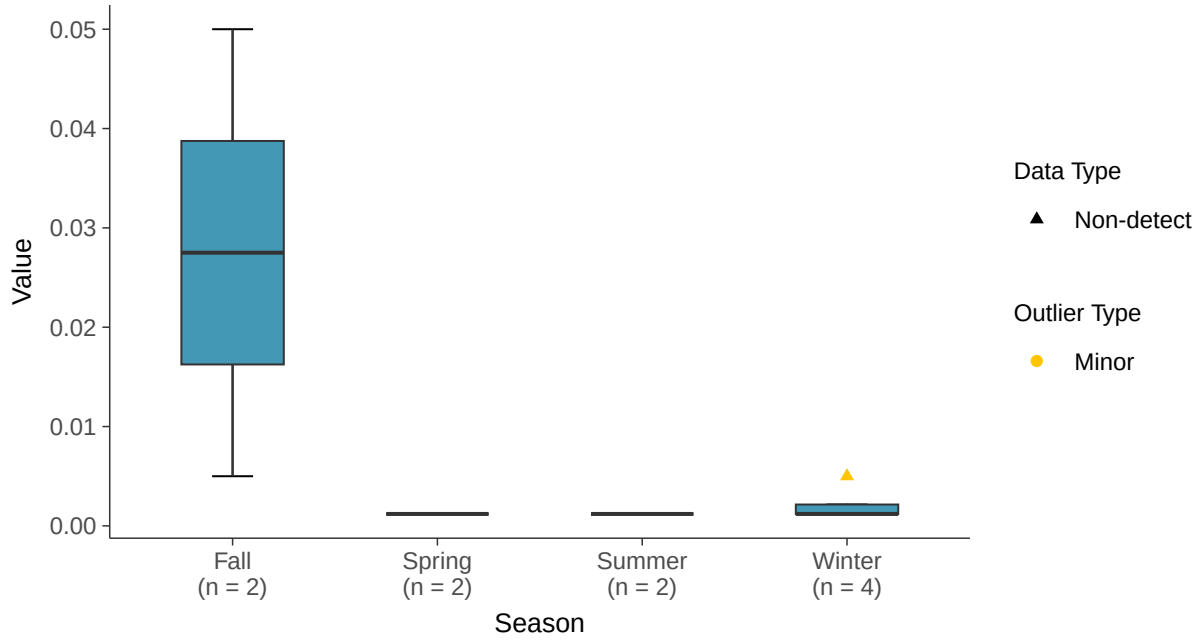
Boxplot

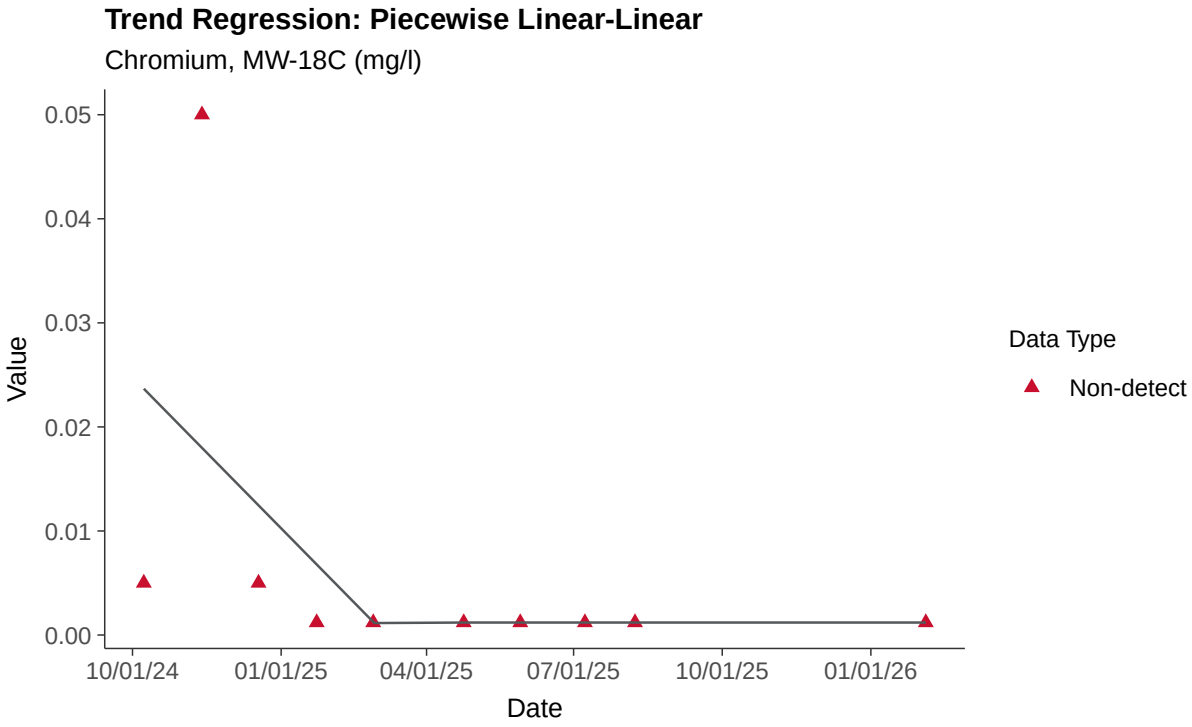
Chromium, MW-18C (mg/l)



Boxplot by Season

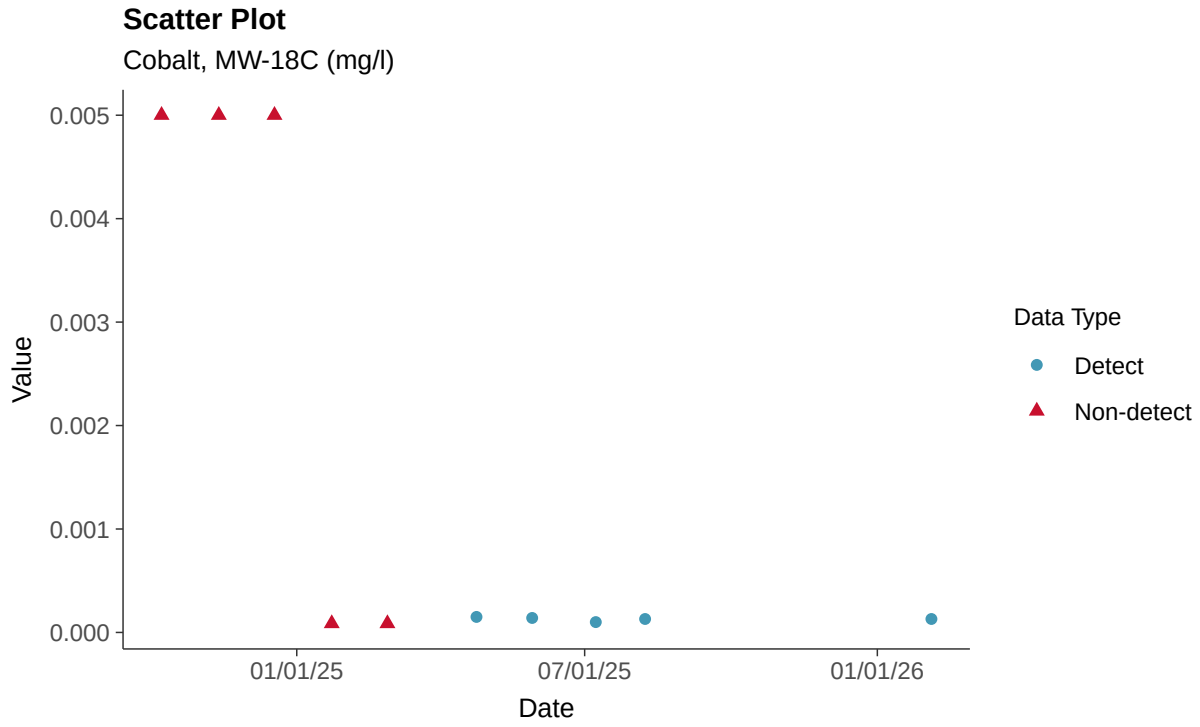
Chromium, MW-18C (mg/l)

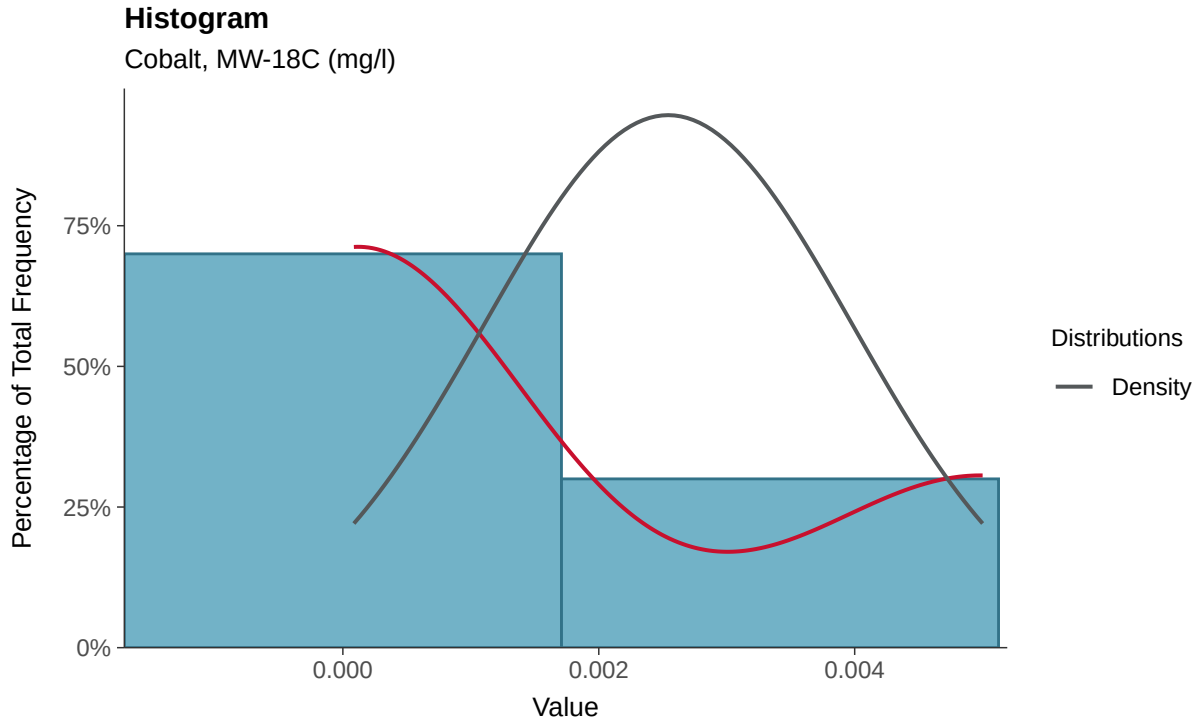



Trend Regression: Piecewise Linear-Linear
Chromium, MW-18C (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cobalt, MW-18C

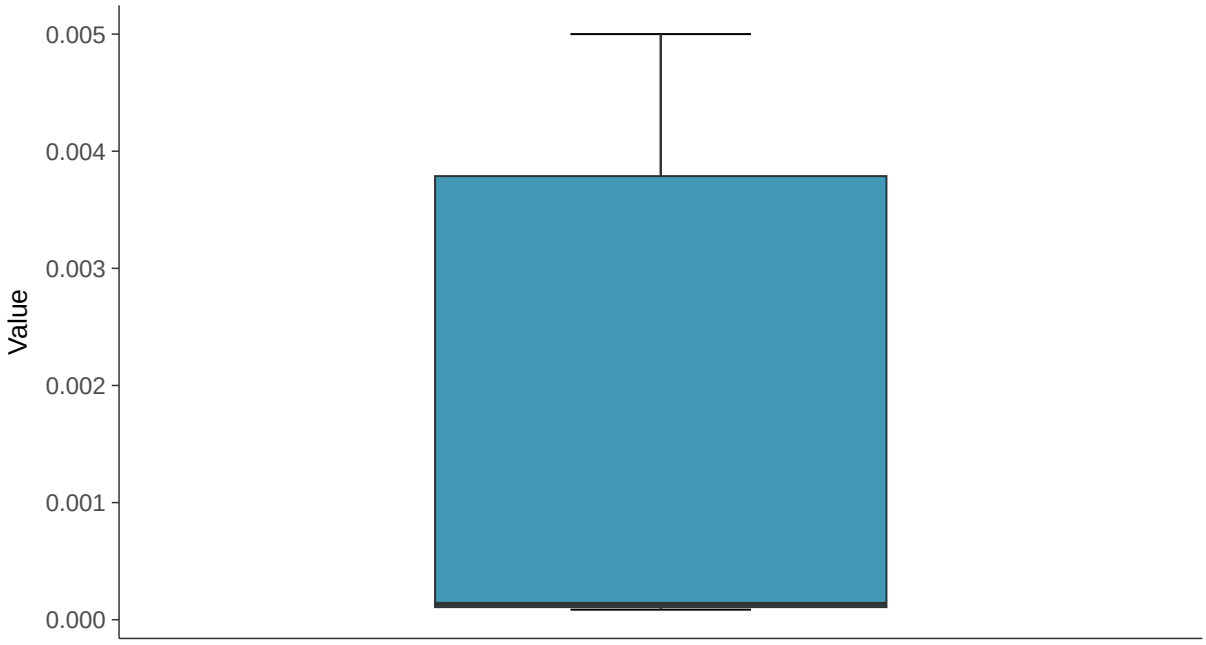
ID: 16_3_110





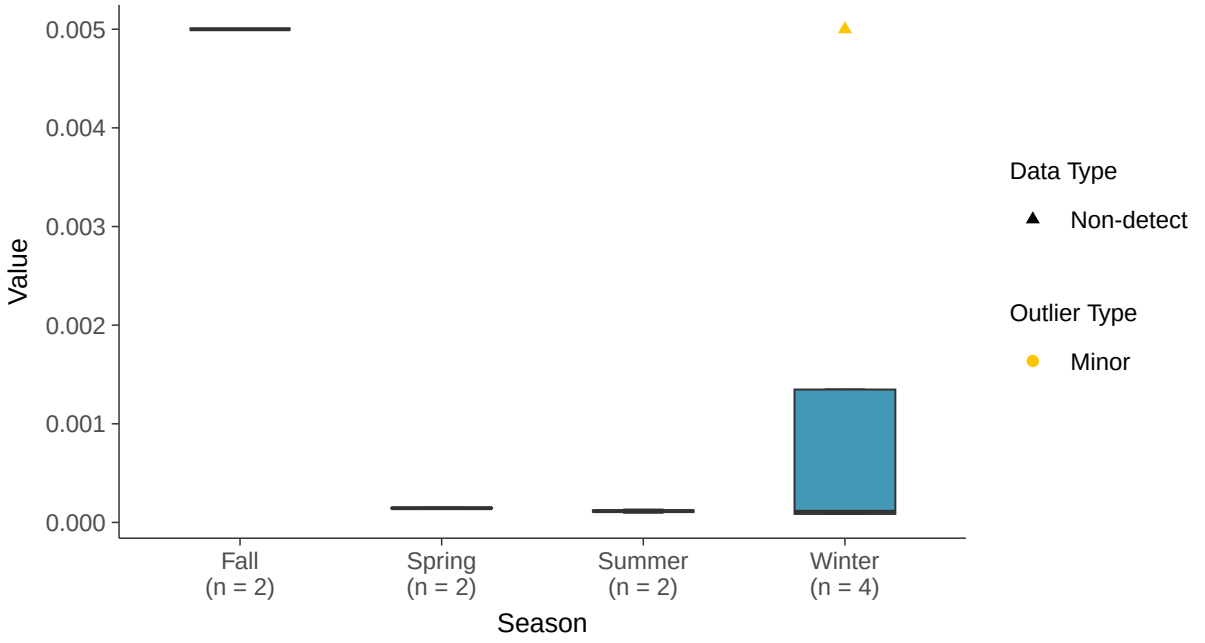
Boxplot

Cobalt, MW-18C (mg/l)



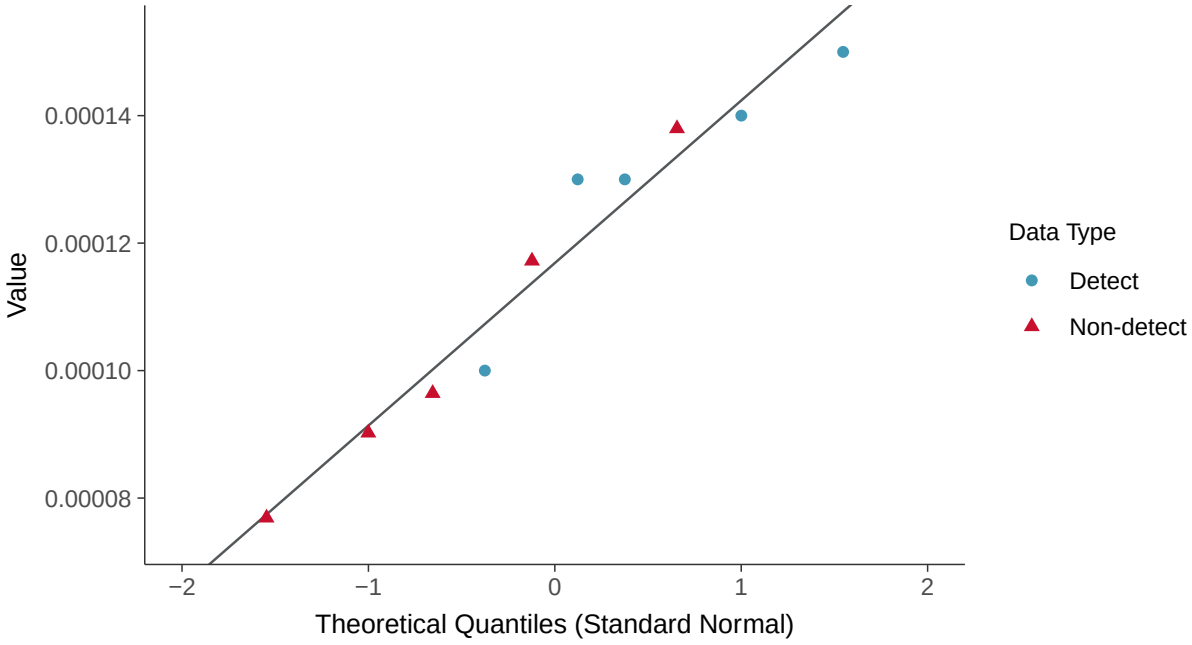
Boxplot by Season

Cobalt, MW-18C (mg/l)



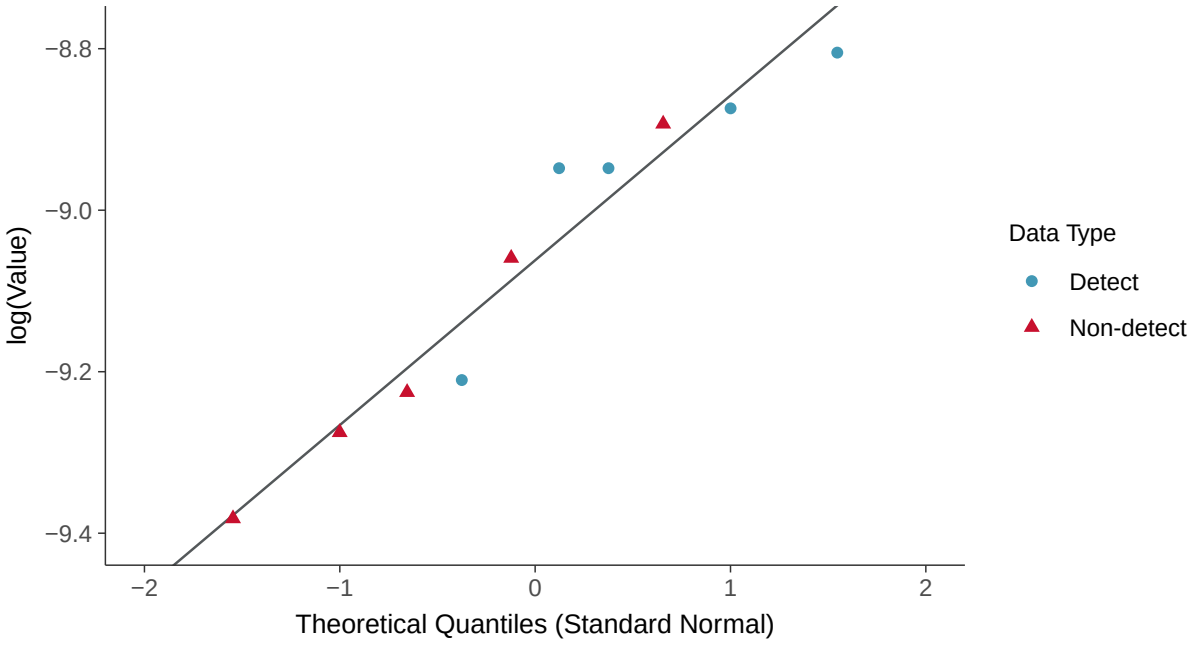
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-18C (mg/l)



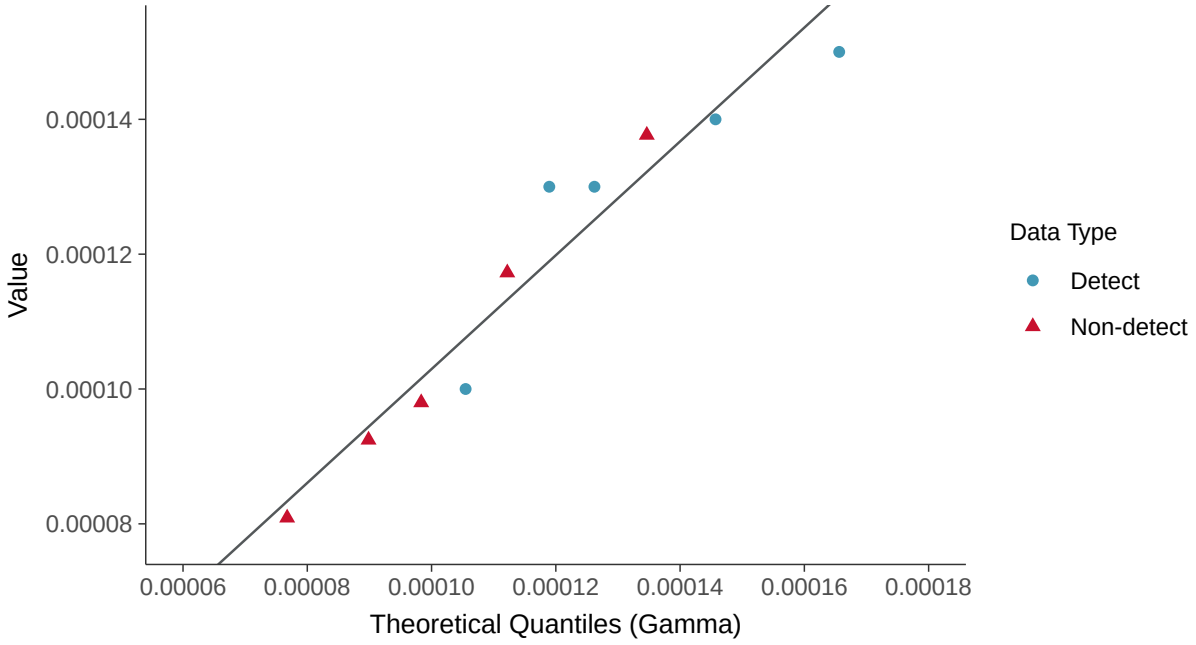
Lognormal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-18C (mg/l)



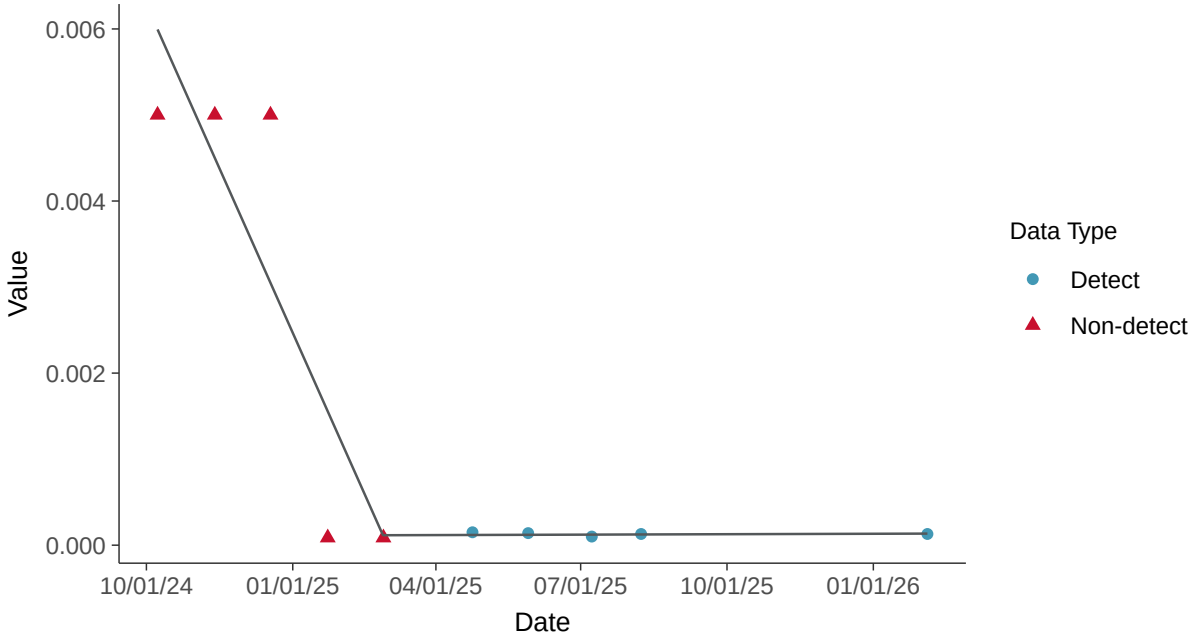
Gamma Q-Q plot using ROS Imputed Estimates

Cobalt, MW-18C (mg/l)



Trend Regression: Piecewise Linear-Linear

Cobalt, MW-18C (mg/l)

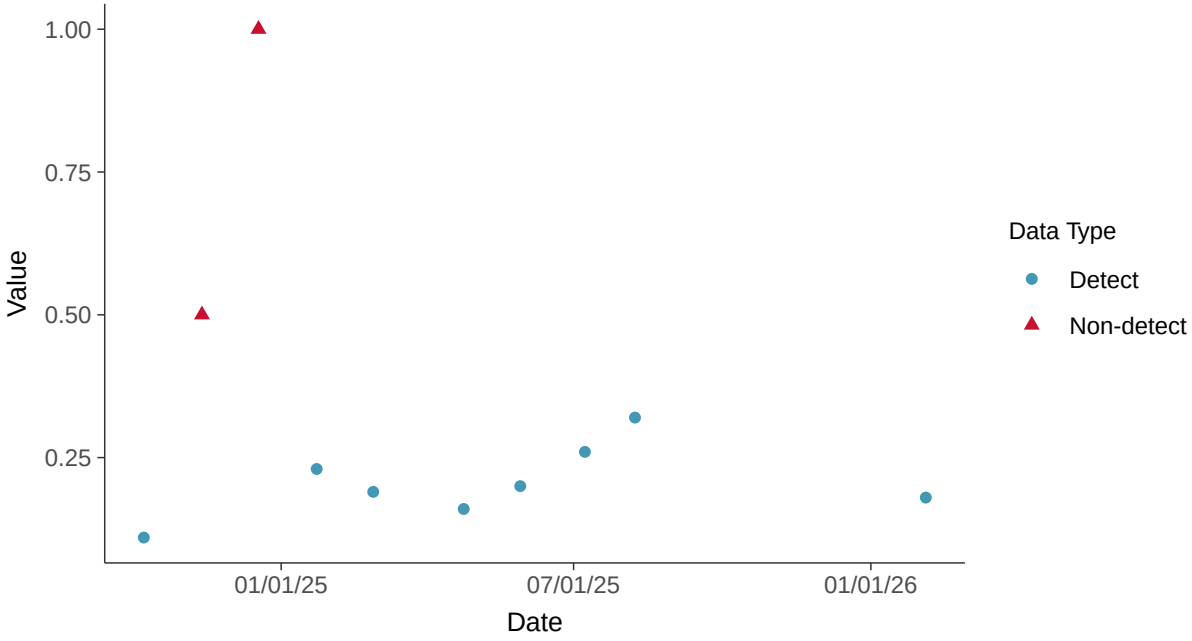


Appendix IV: Fluoride (App IV), MW-18C

ID: 16_3_113

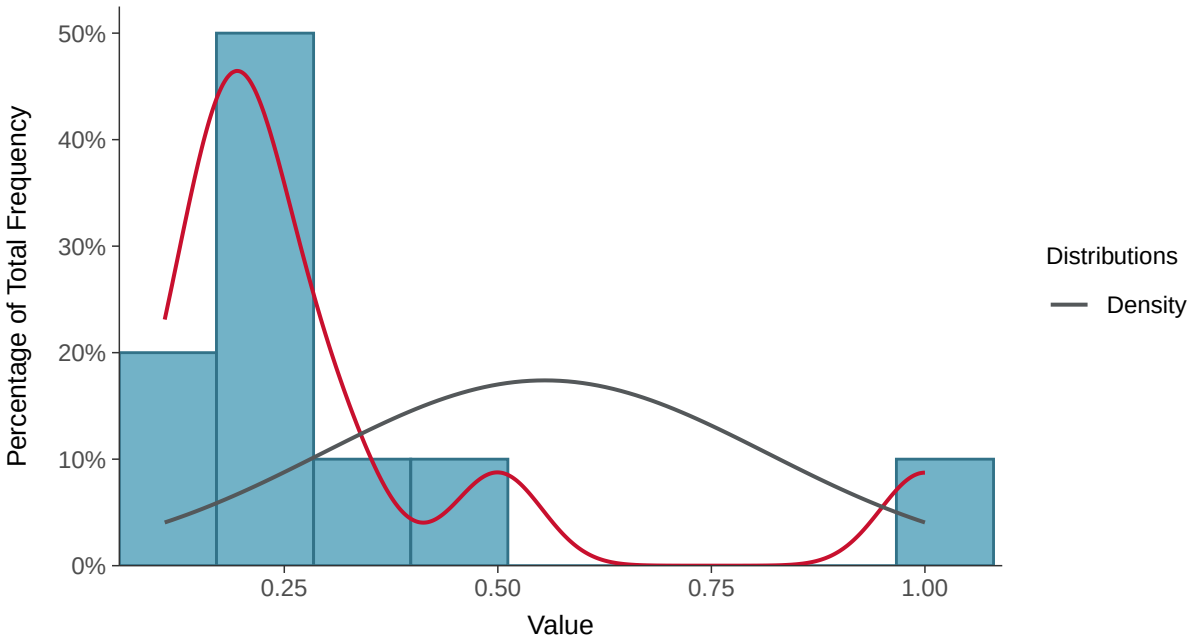
Scatter Plot

Fluoride (App IV), MW-18C (mg/l)



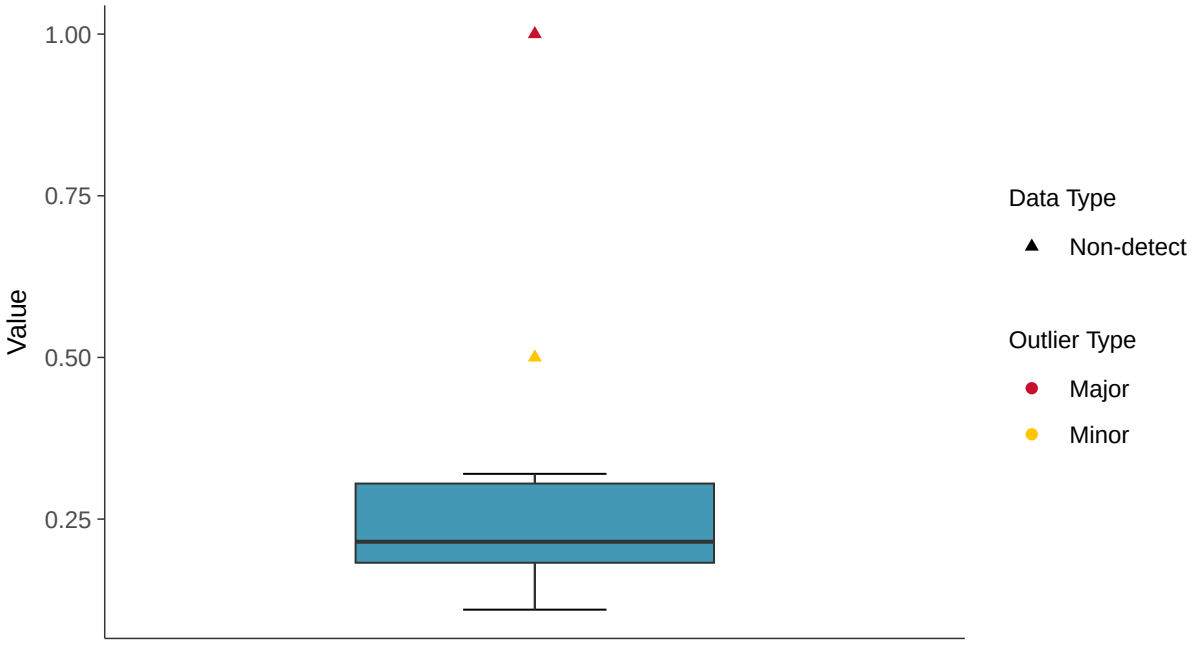
Histogram

Fluoride (App IV), MW-18C (mg/l)



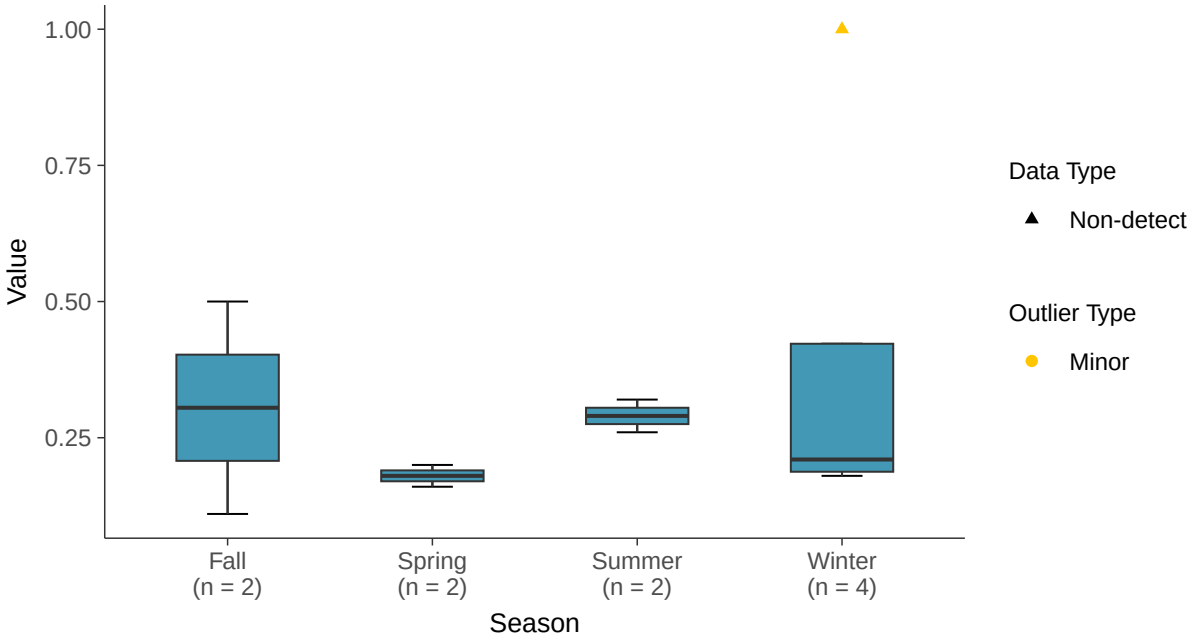
Boxplot

Fluoride (App IV), MW-18C (mg/l)



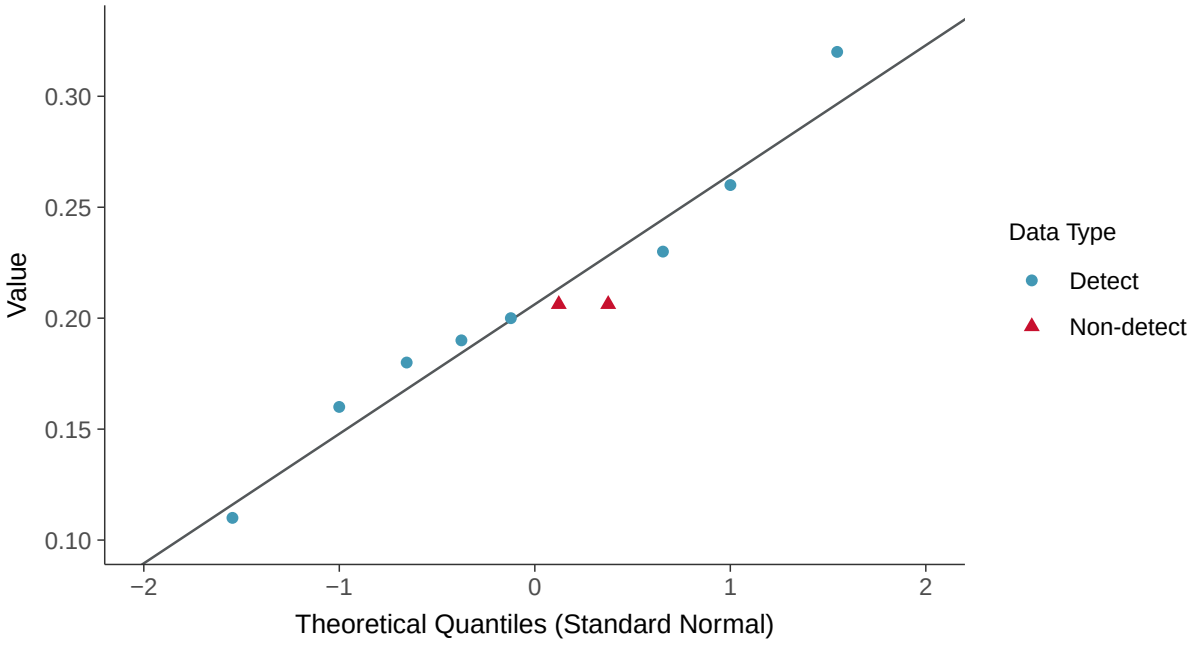
Boxplot by Season

Fluoride (App IV), MW-18C (mg/l)



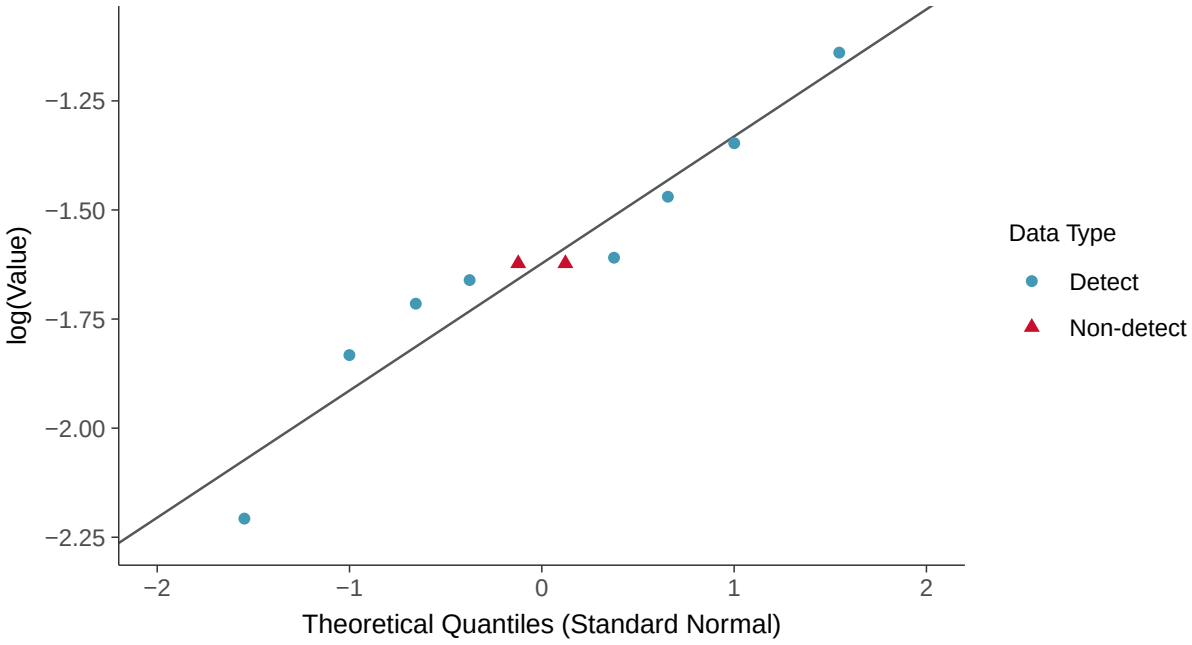
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-18C (mg/l)



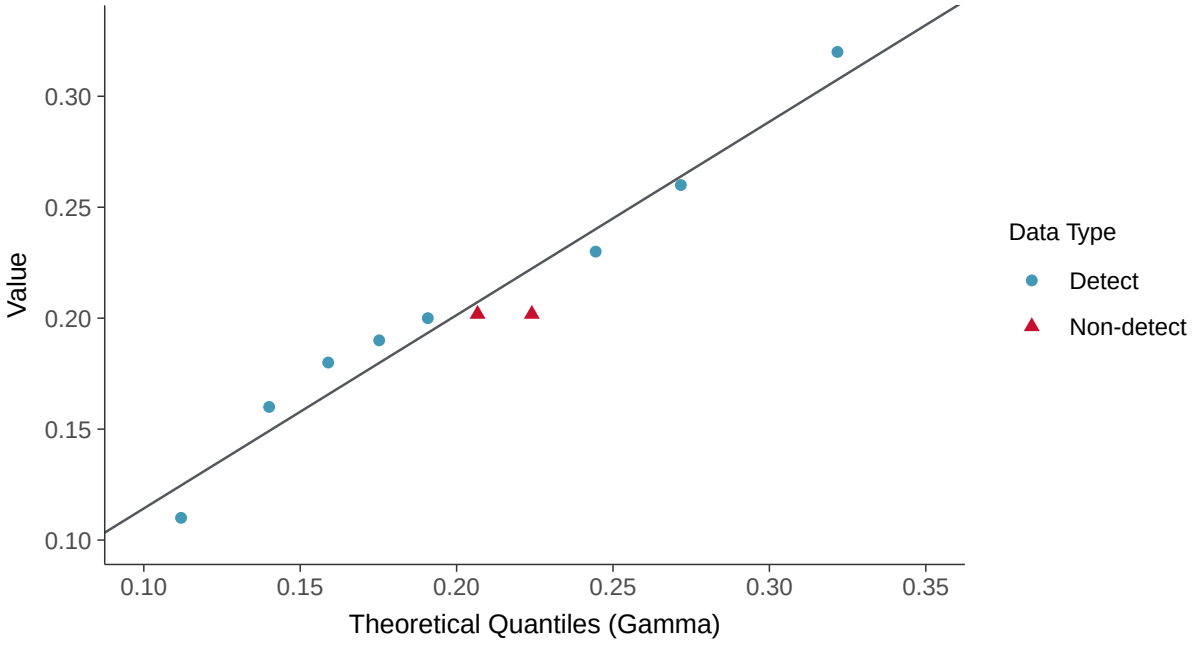
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-18C (mg/l)



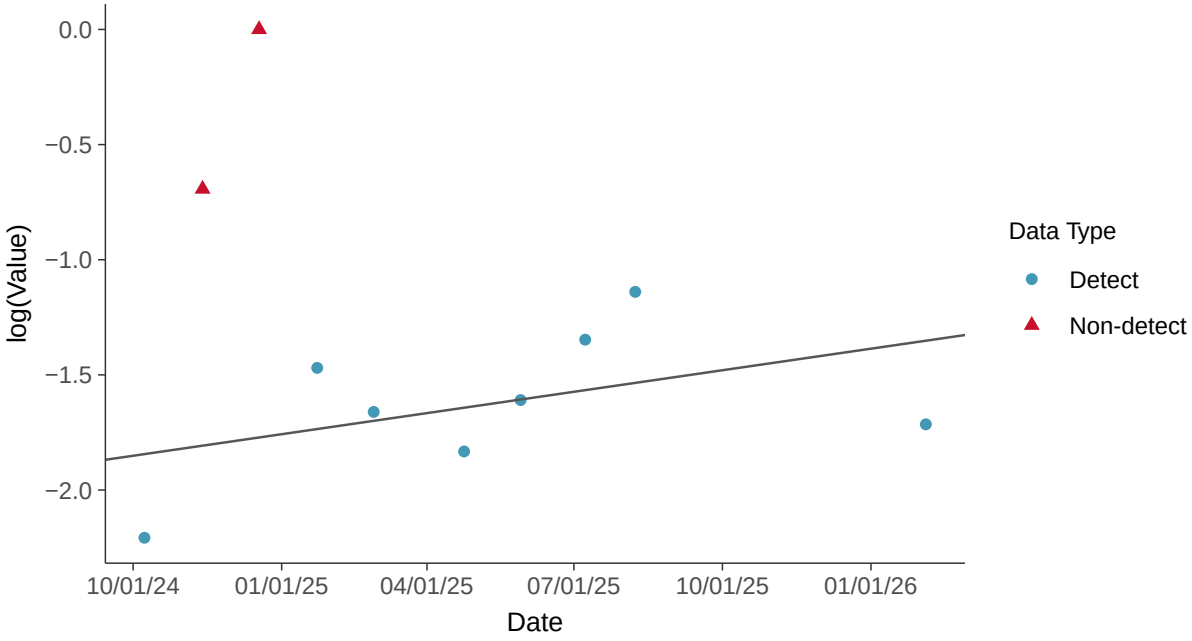
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-18C (mg/l)



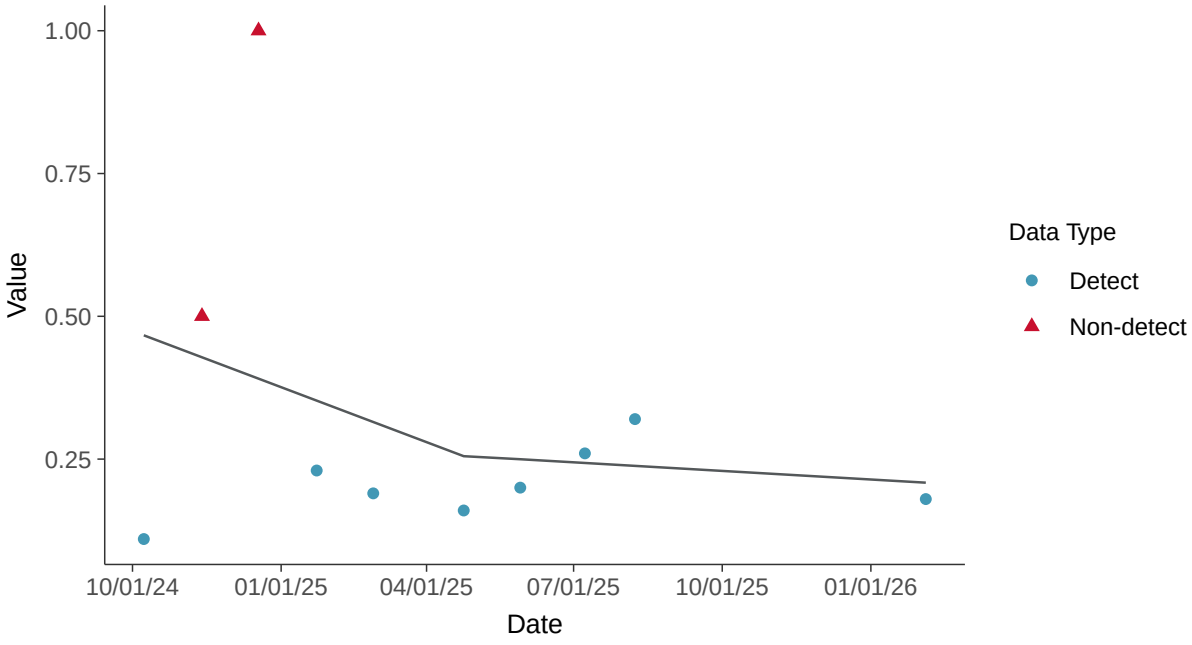
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-18C (mg/l)



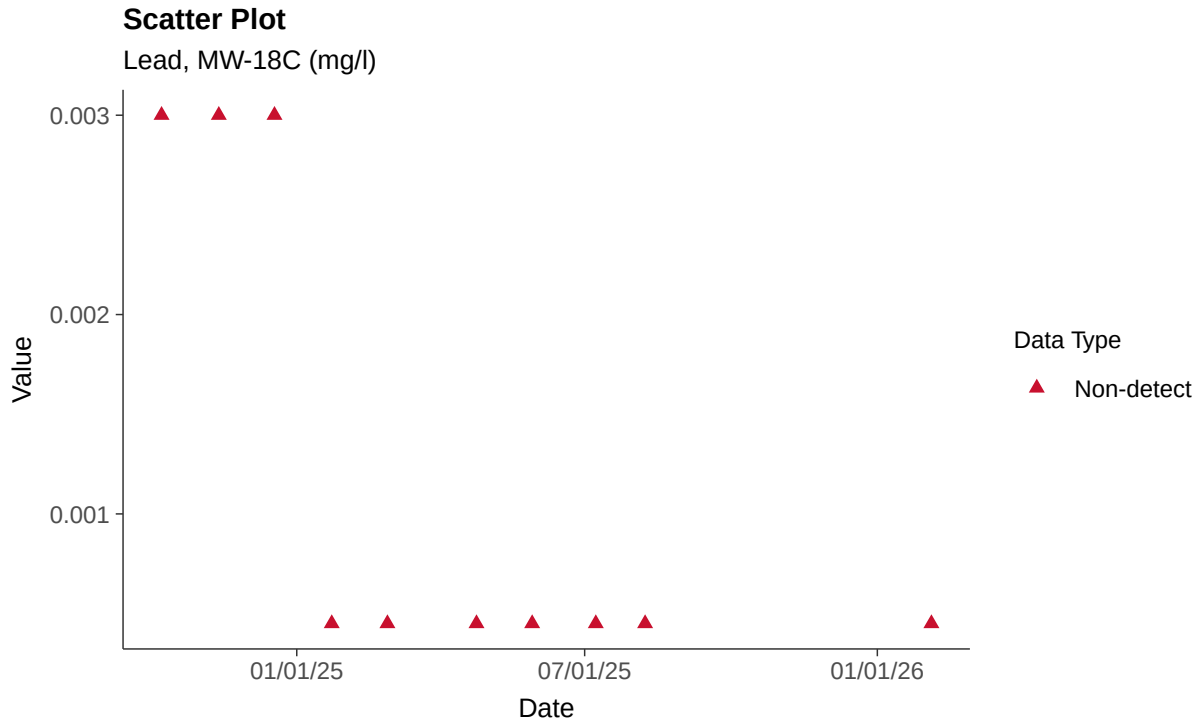
Trend Regression: Piecewise Linear-Linear

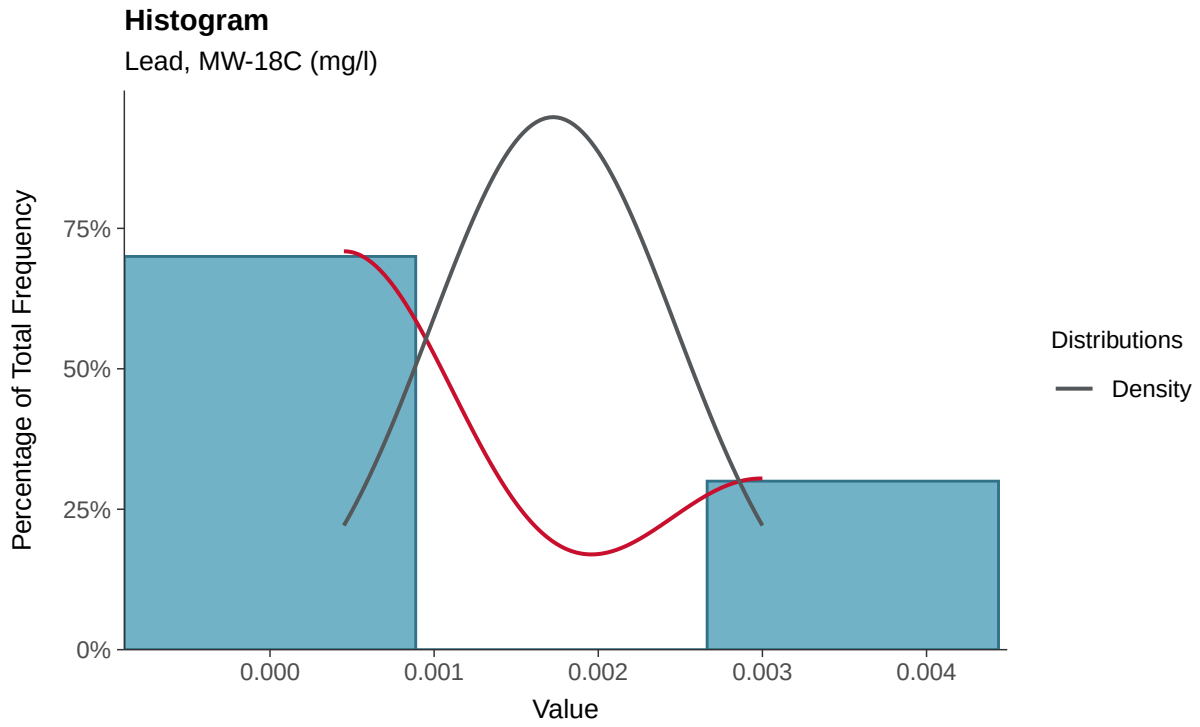
Fluoride (App IV), MW-18C (mg/l)



Appendix IV: Lead, MW-18C

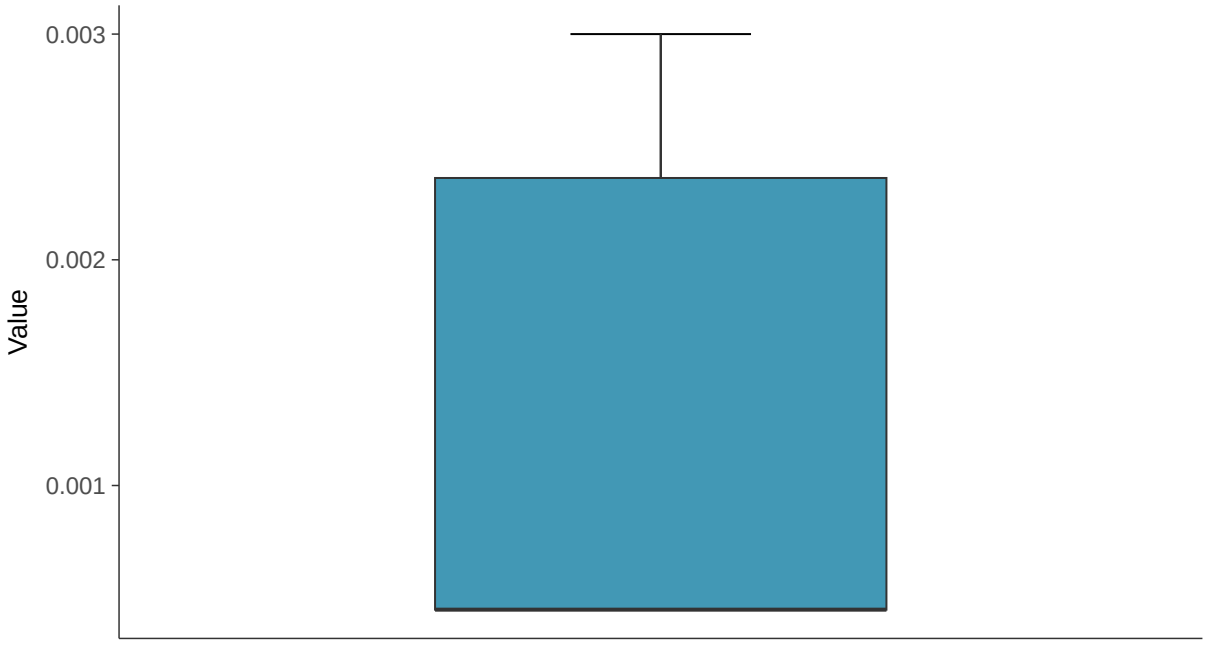
ID: 16_3_115





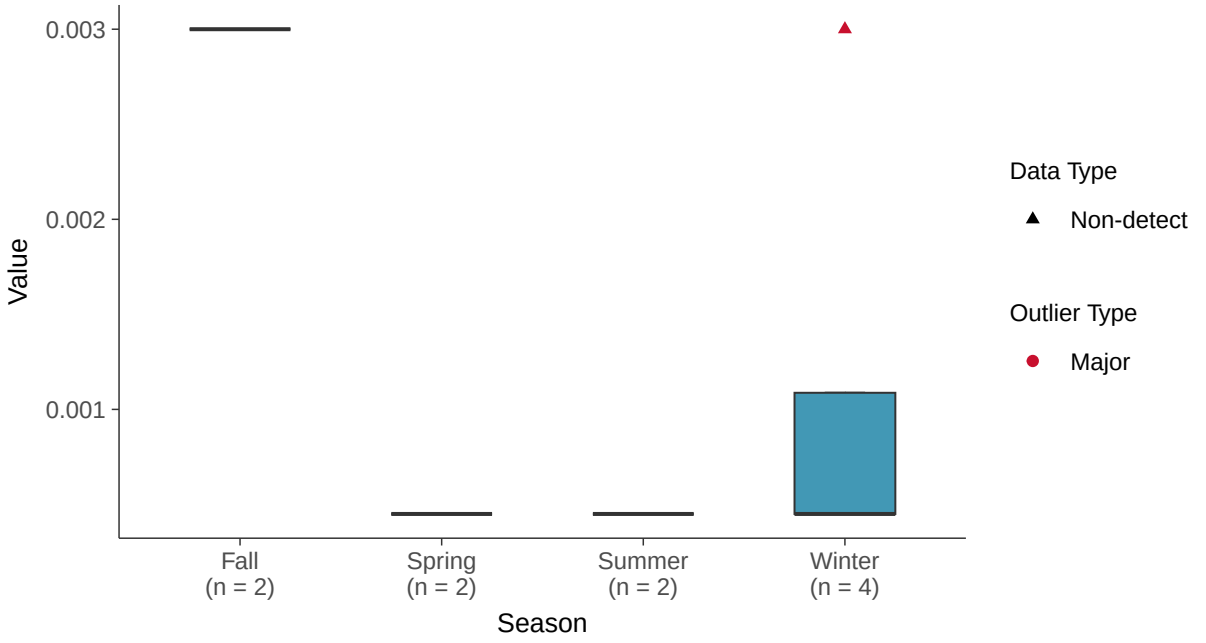
Boxplot

Lead, MW-18C (mg/l)



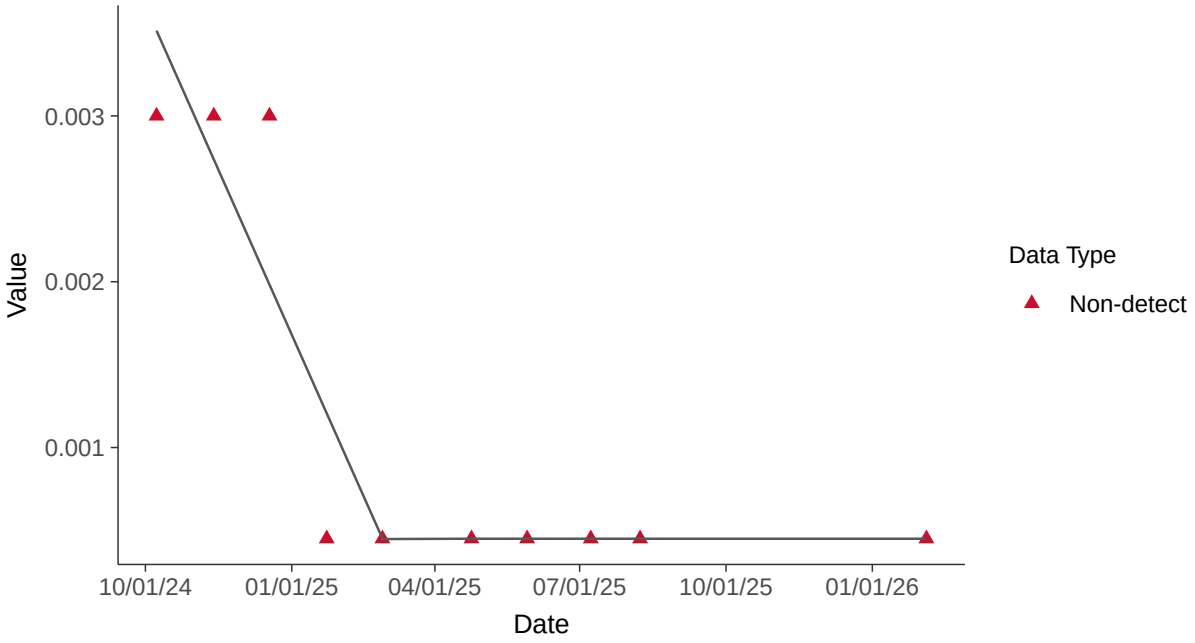
Boxplot by Season

Lead, MW-18C (mg/l)



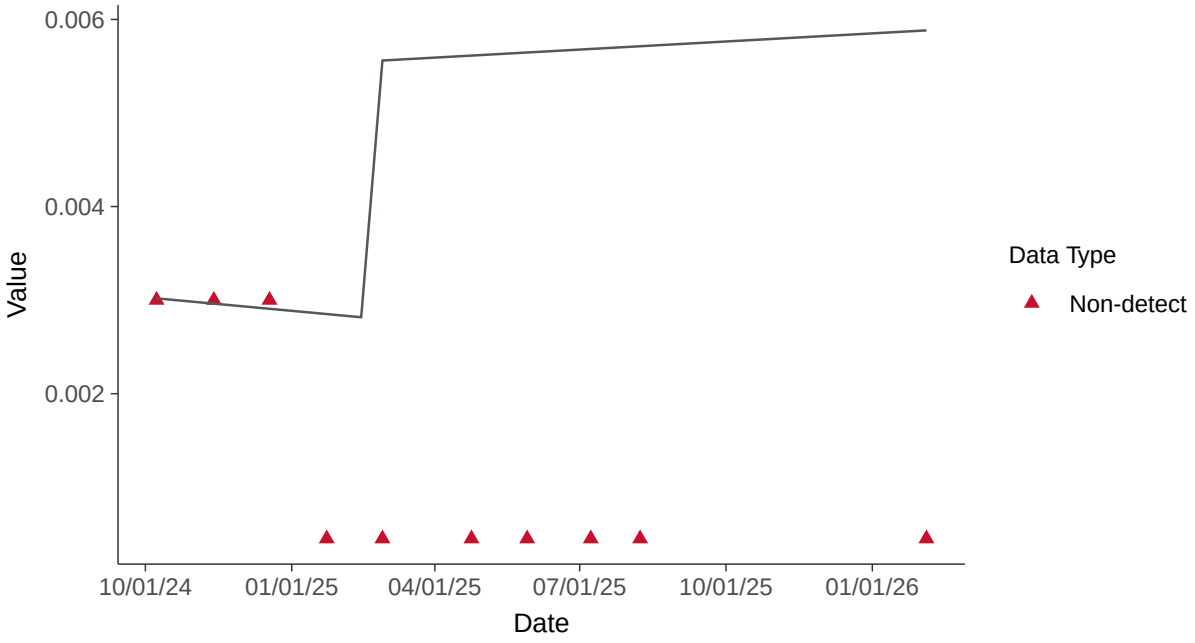
Trend Regression: Piecewise Linear-Linear

Lead, MW-18C (mg/l)



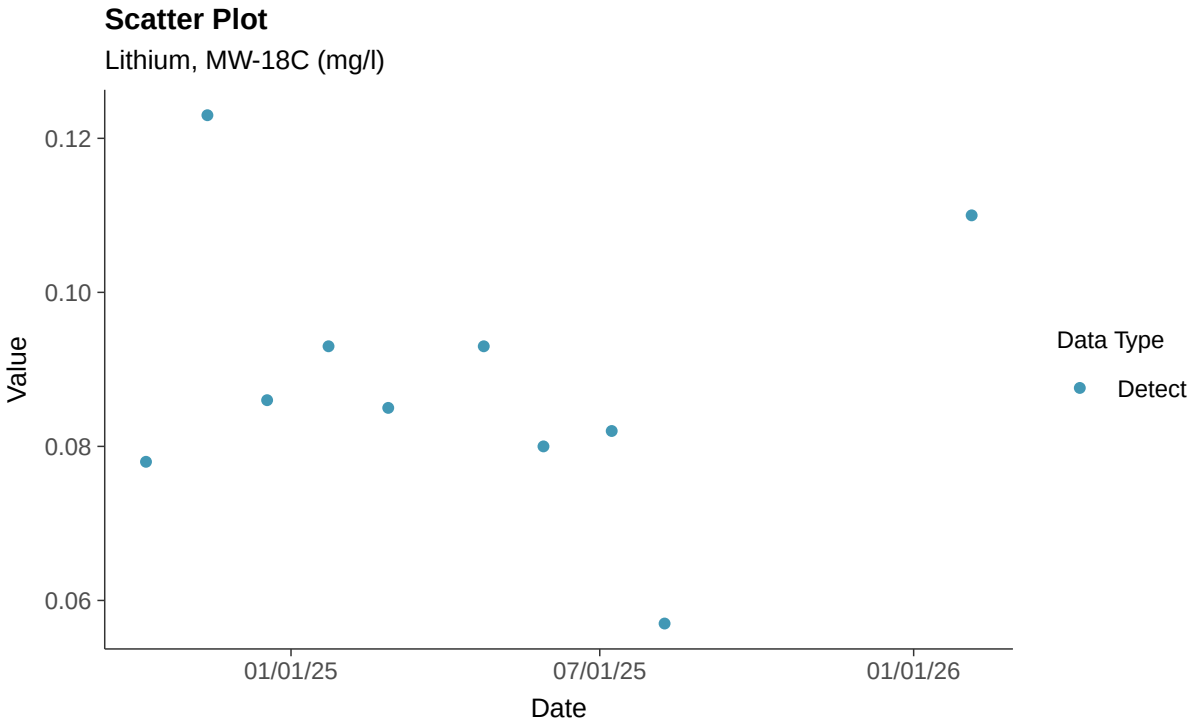
Trend Regression: Piecewise Linear-Linear-Linear

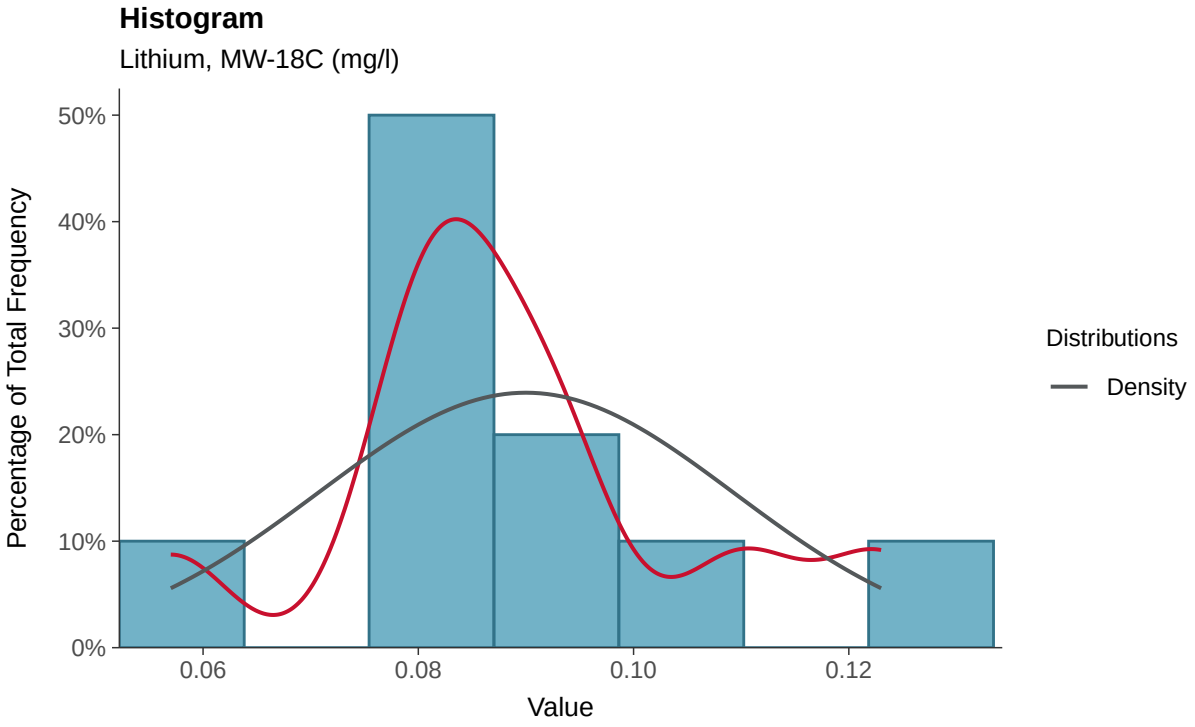
Lead, MW-18C (mg/l)



Appendix IV: Lithium, MW-18C

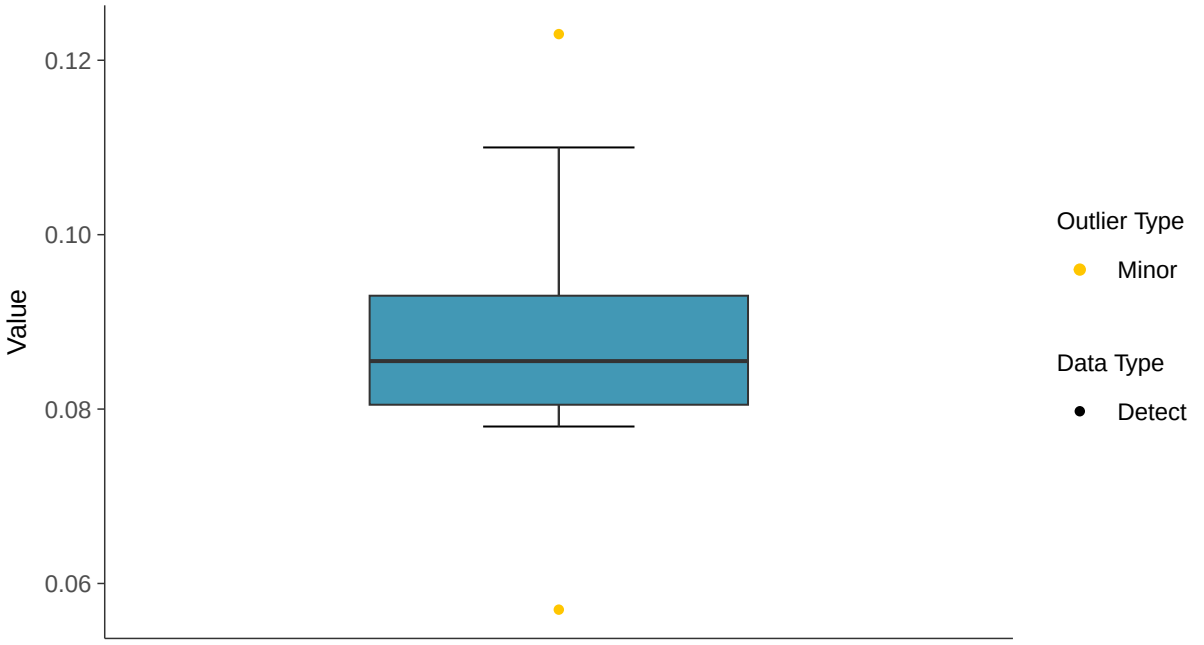
ID: 16_3_116





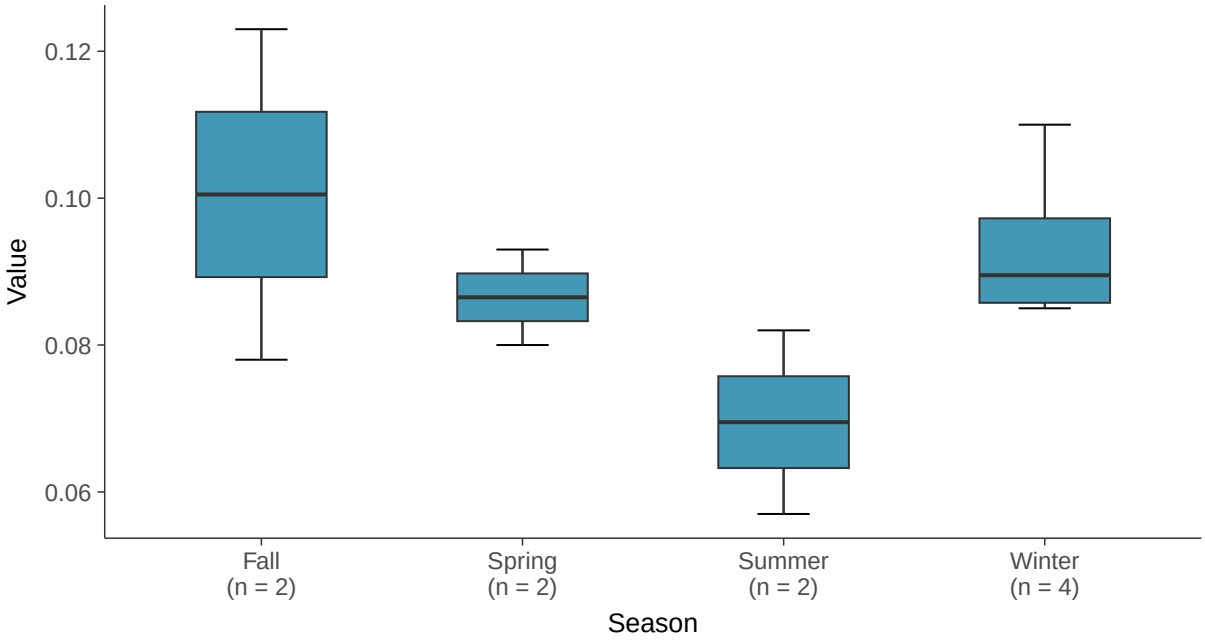
Boxplot

Lithium, MW-18C (mg/l)



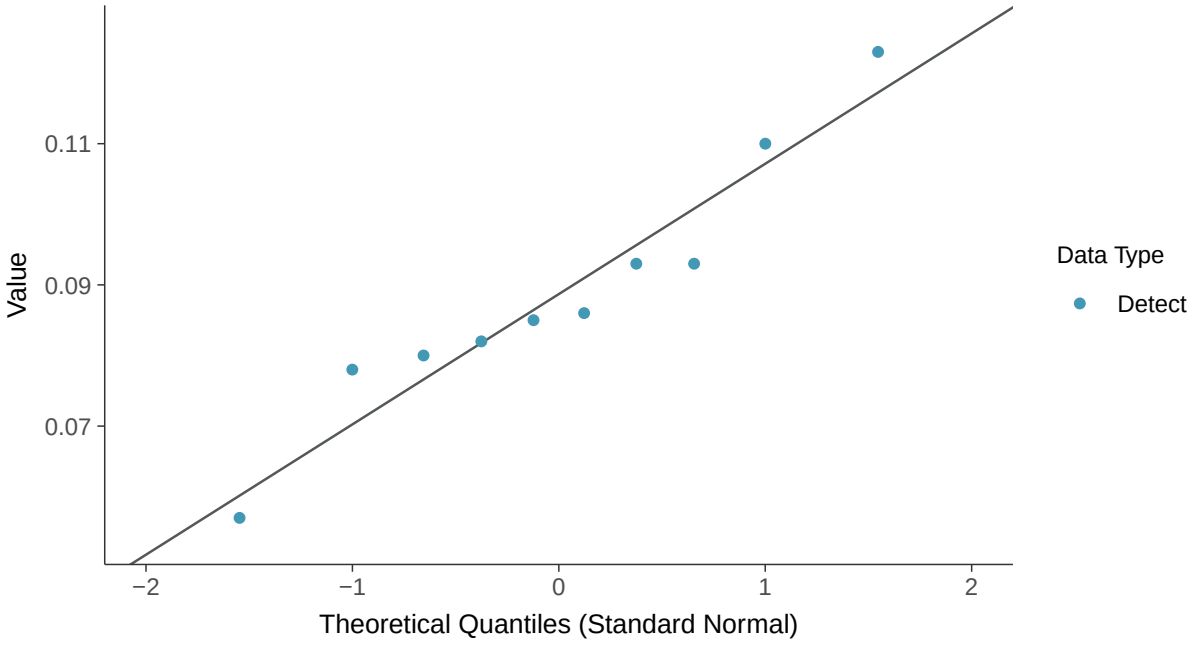
Boxplot by Season

Lithium, MW-18C (mg/l)



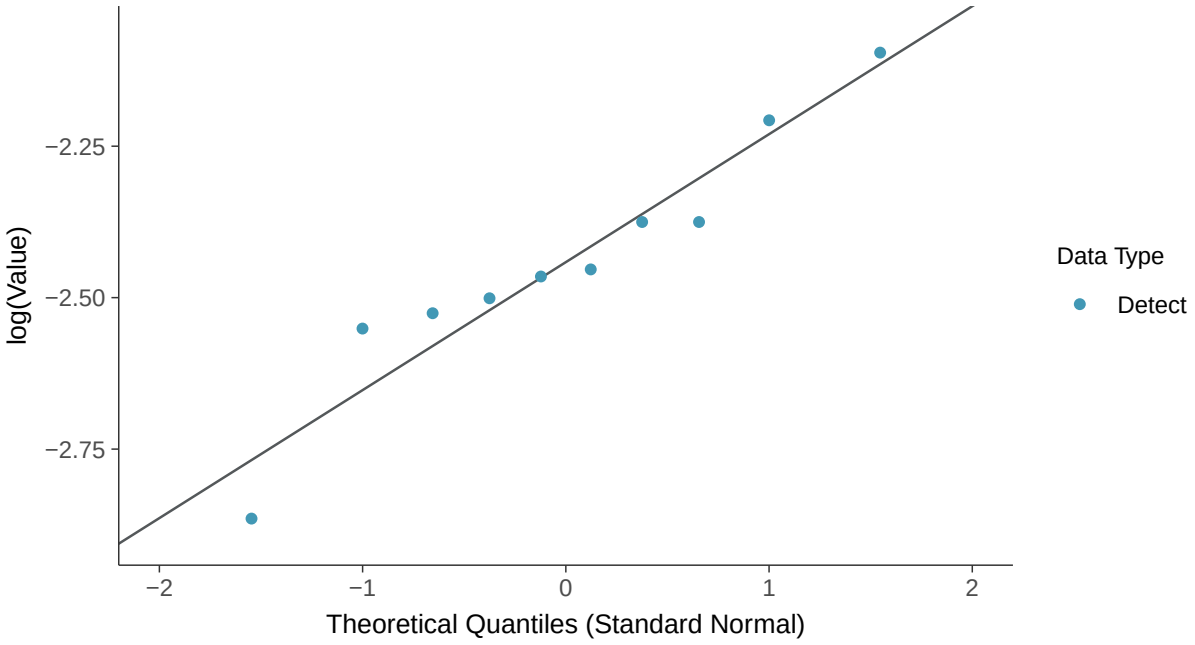
Normal Q-Q plot

Lithium, MW-18C (mg/l)



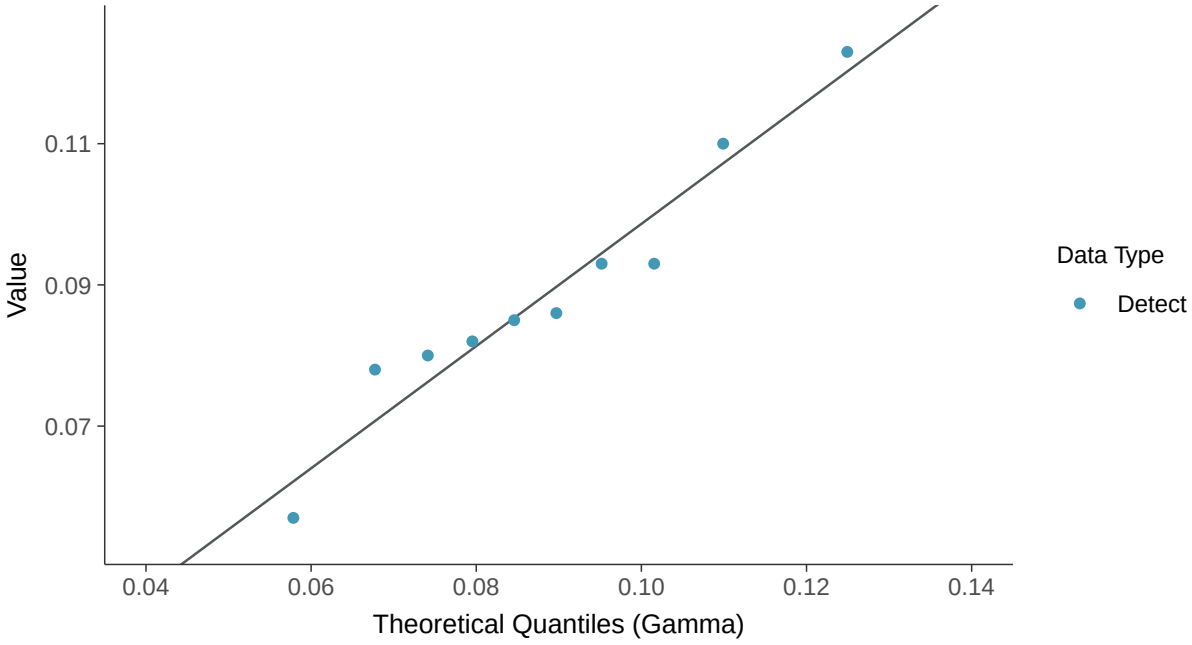
Lognormal Q-Q plot

Lithium, MW-18C (mg/l)



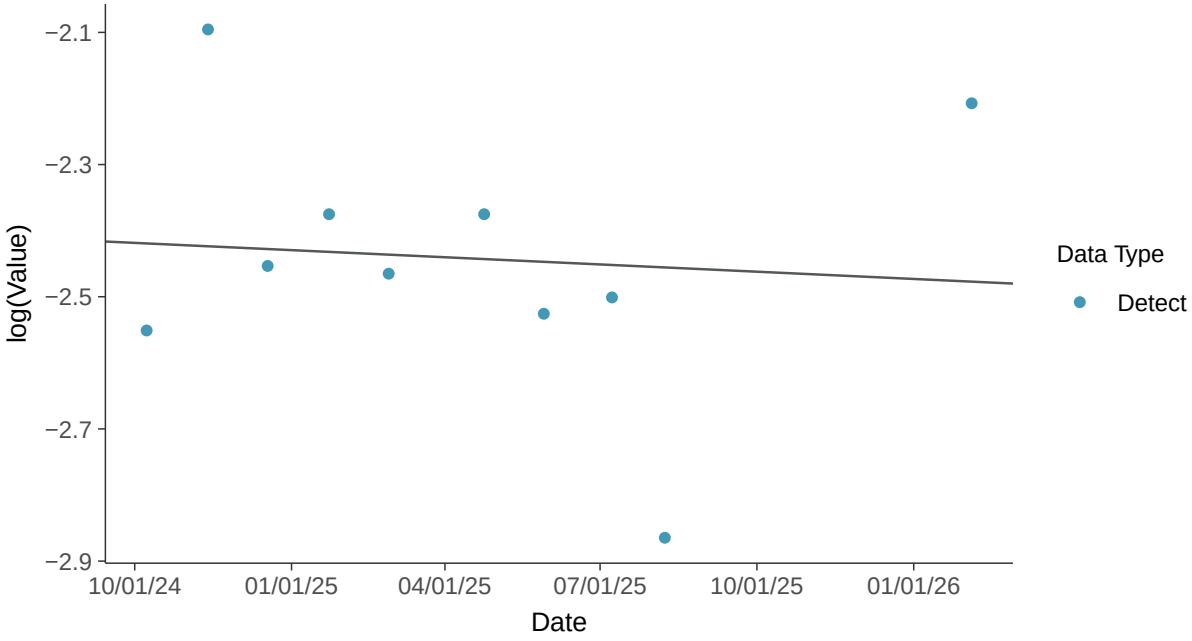
Gamma Q-Q plot

Lithium, MW-18C (mg/l)



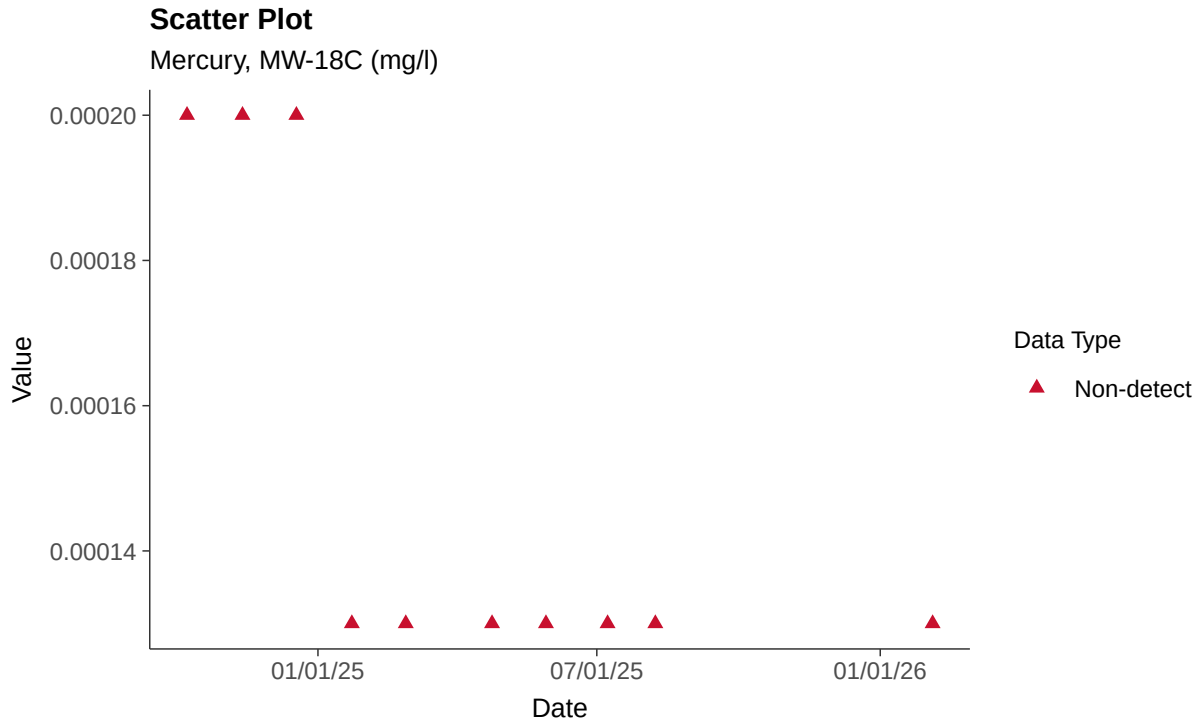
Trend Regression: Lognormal MLE

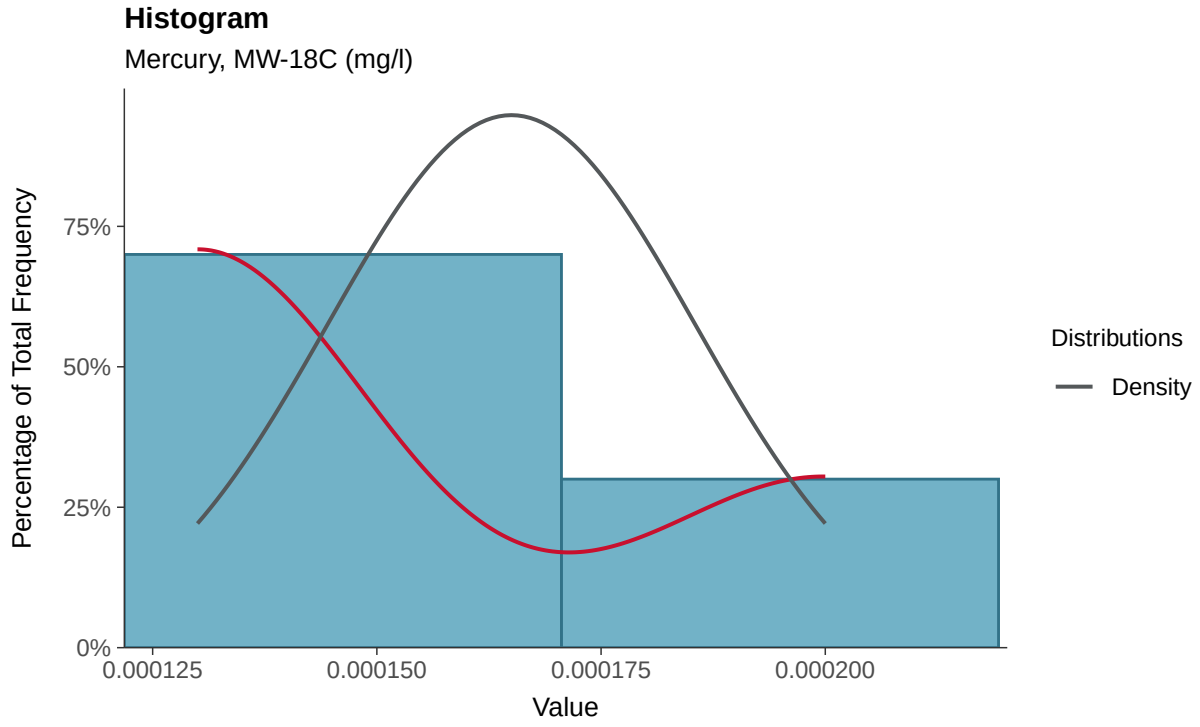
Lithium, MW-18C (mg/l)



Appendix IV: Mercury, MW-18C

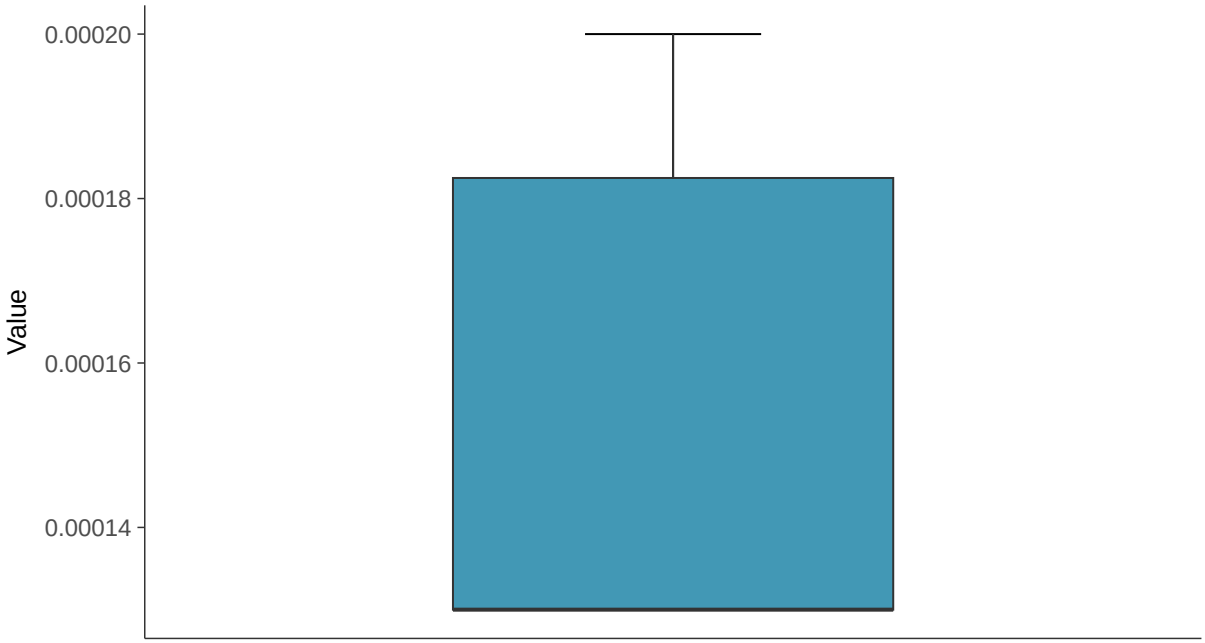
ID: 16_3_117





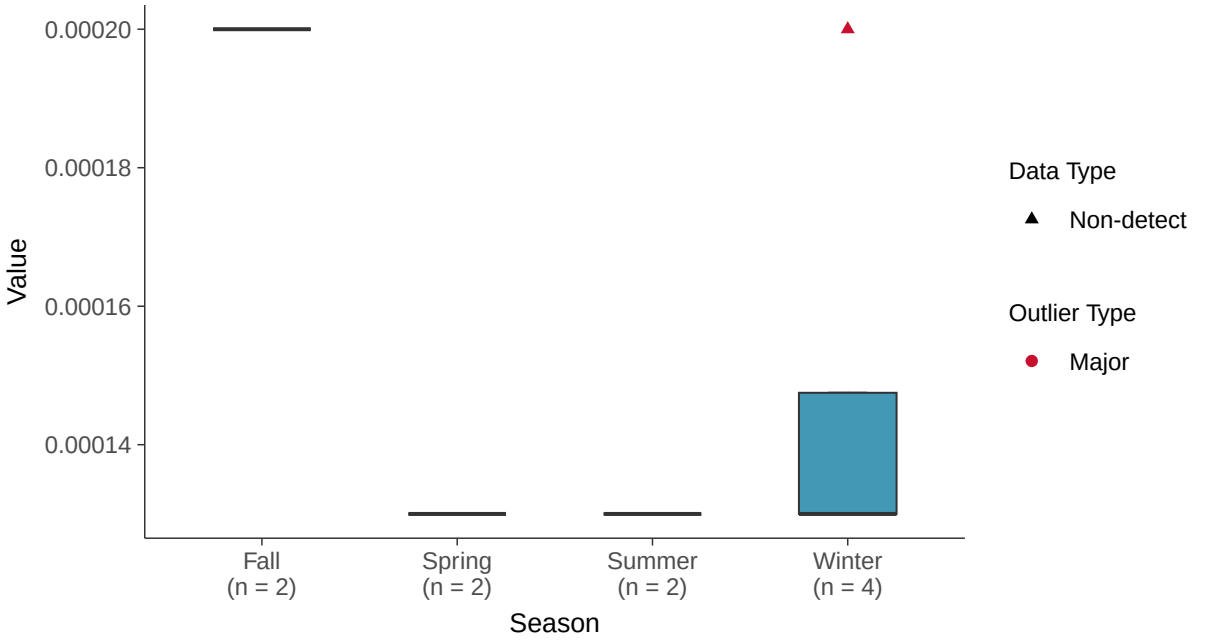
Boxplot

Mercury, MW-18C (mg/l)



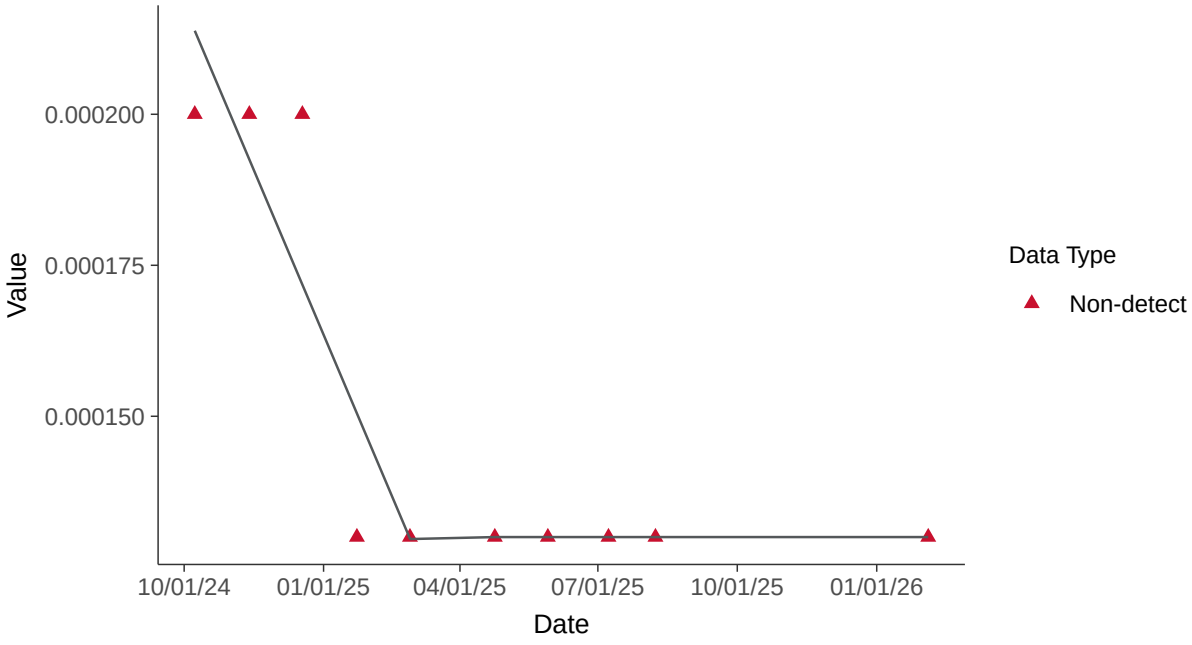
Boxplot by Season

Mercury, MW-18C (mg/l)



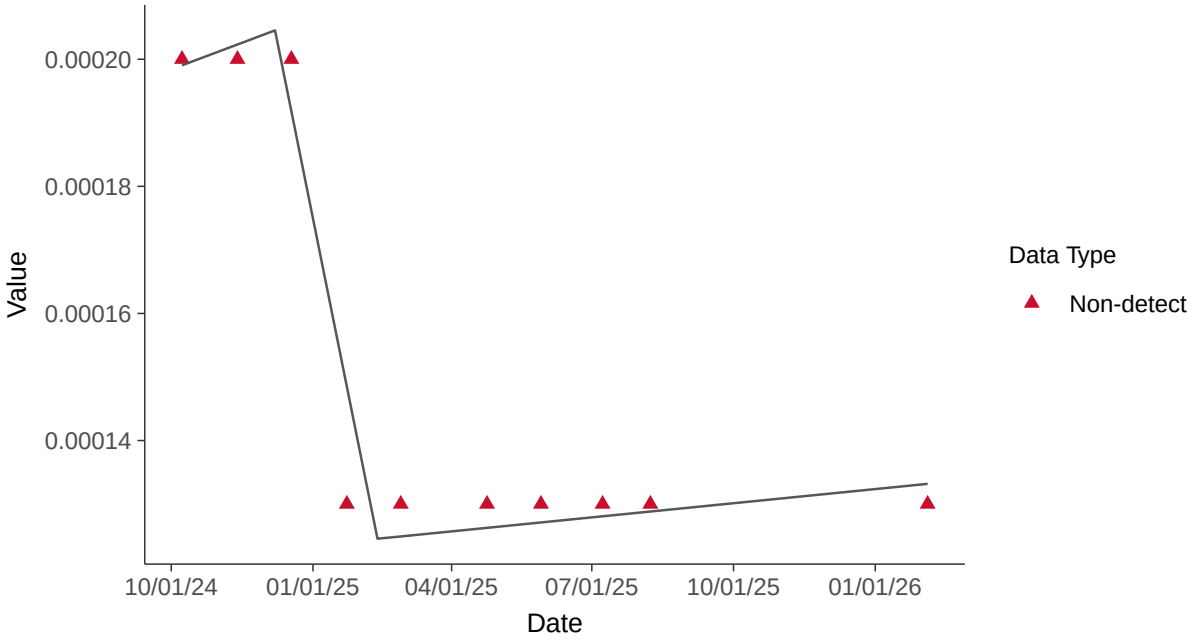
Trend Regression: Piecewise Linear-Linear

Mercury, MW-18C (mg/l)



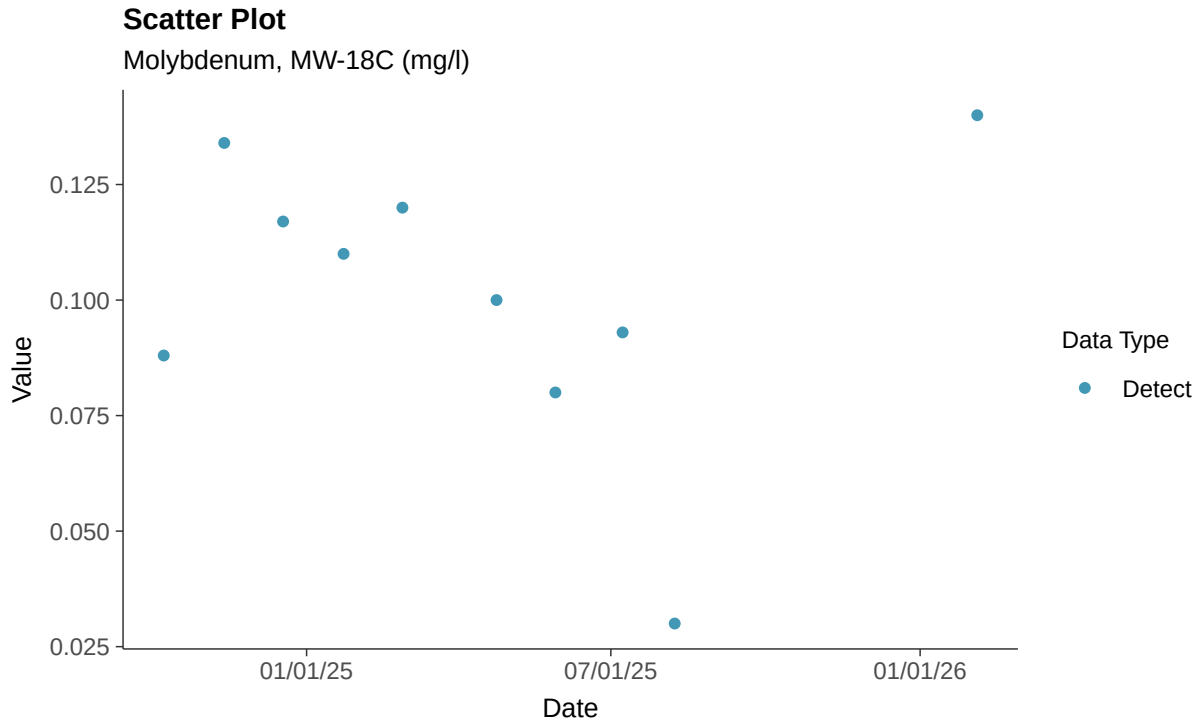
Trend Regression: Piecewise Linear-Linear-Linear

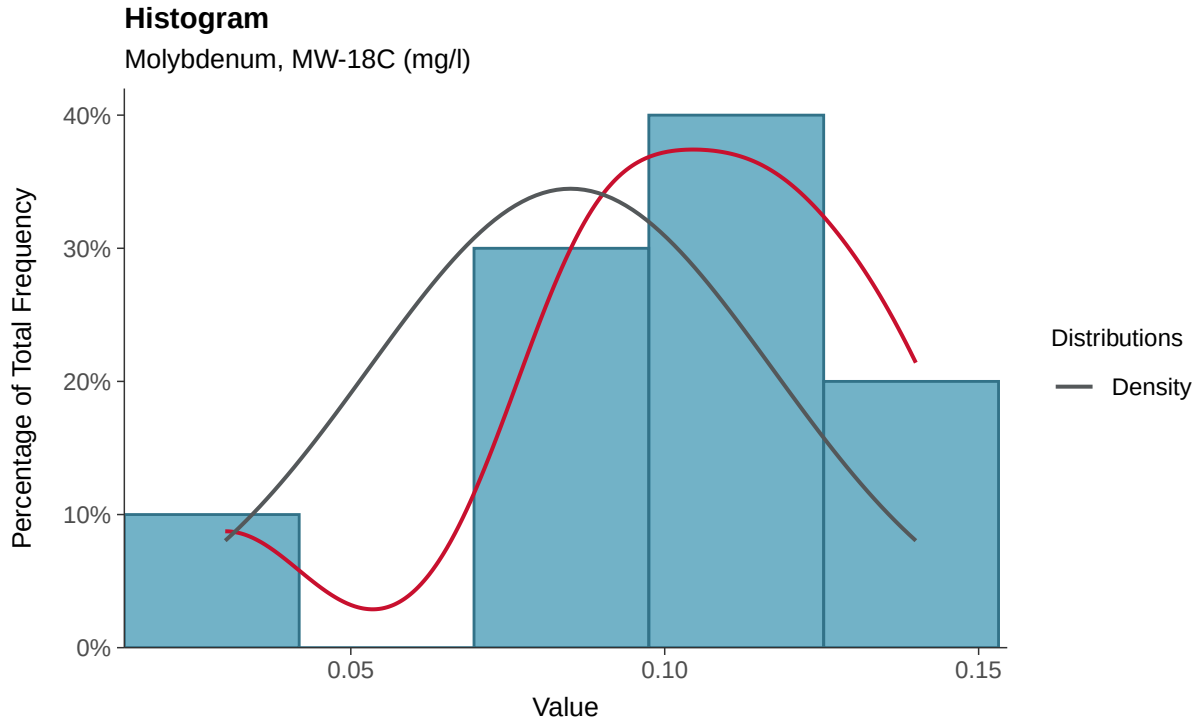
Mercury, MW-18C (mg/l)



Appendix IV: Molybdenum, MW-18C

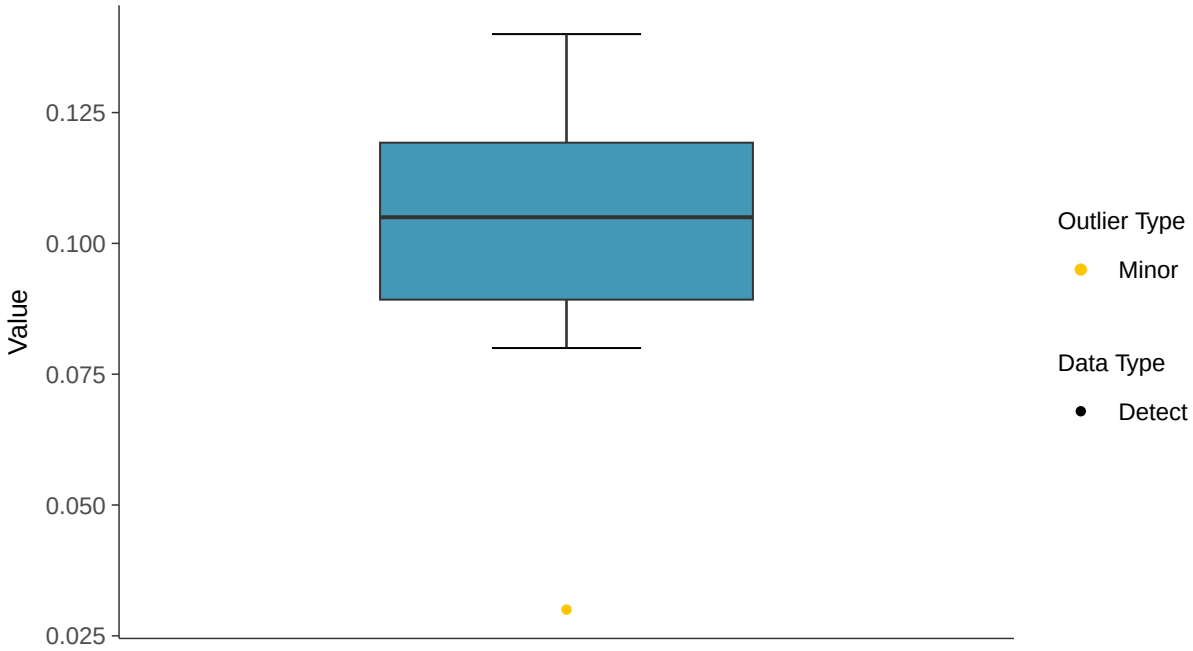
ID: 16_3_118





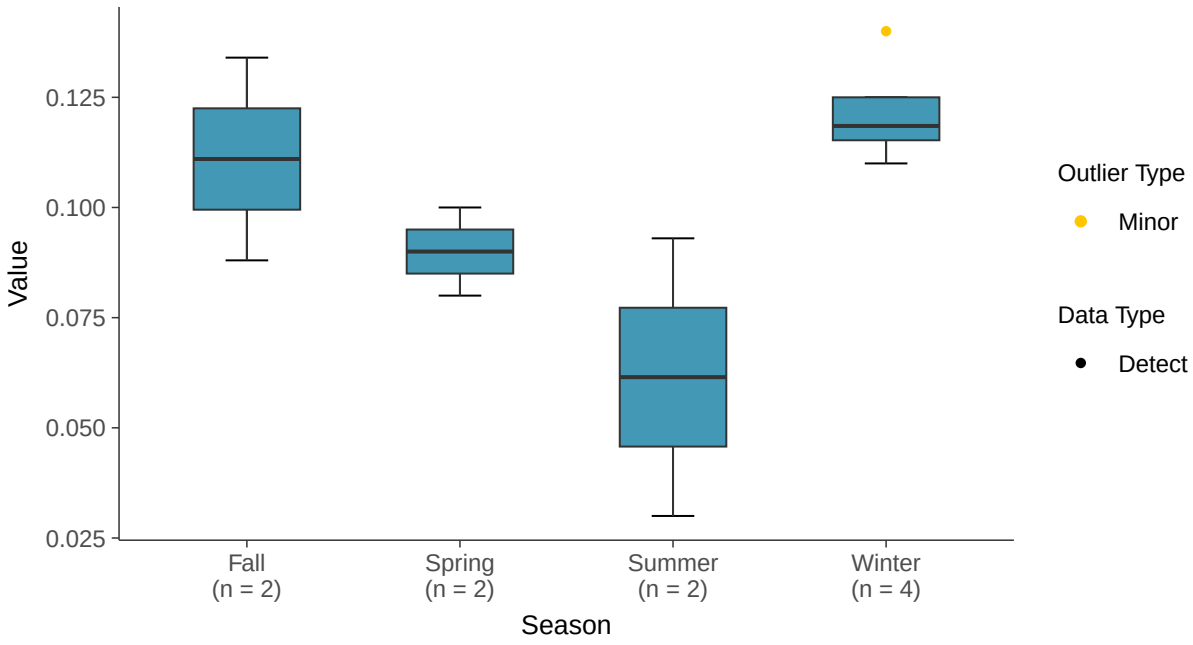
Boxplot

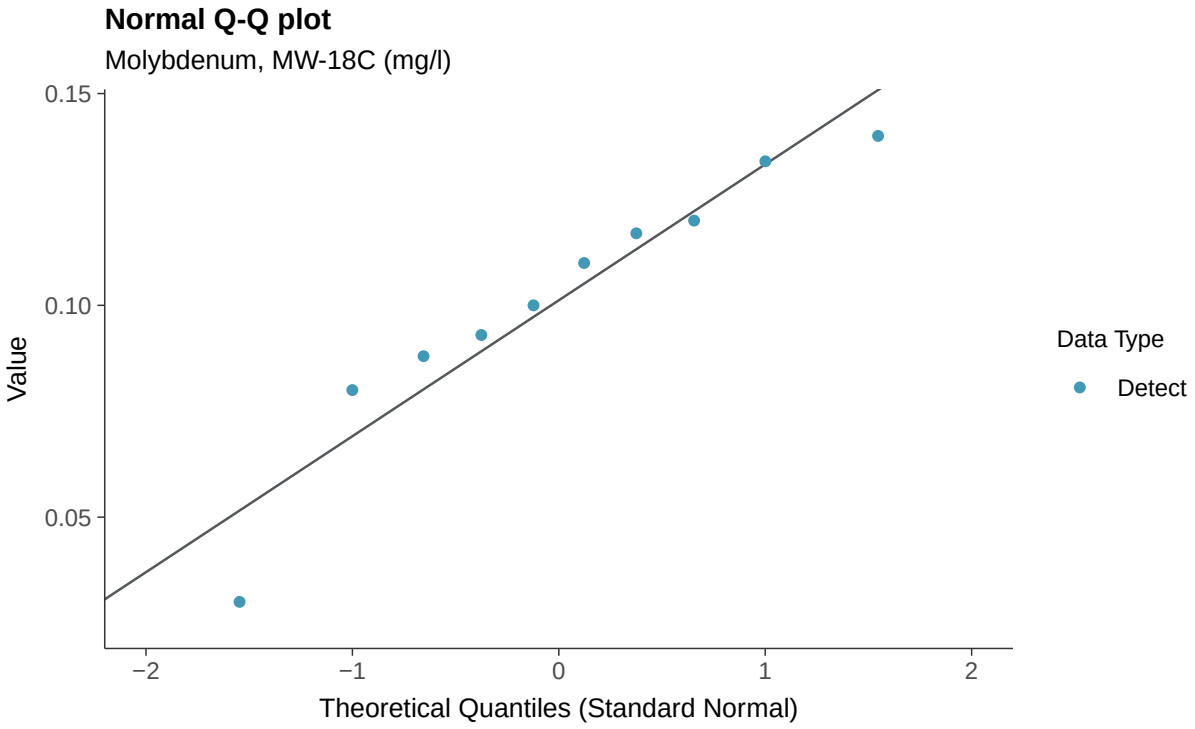
Molybdenum, MW-18C (mg/l)

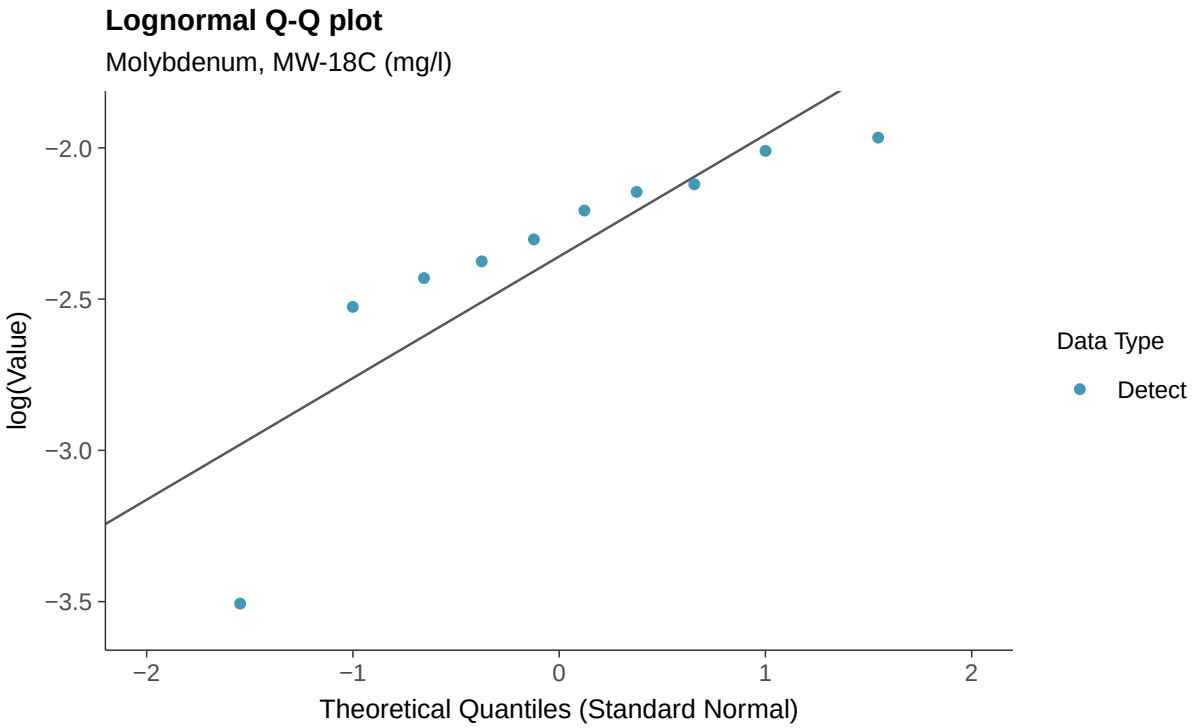


Boxplot by Season

Molybdenum, MW-18C (mg/l)

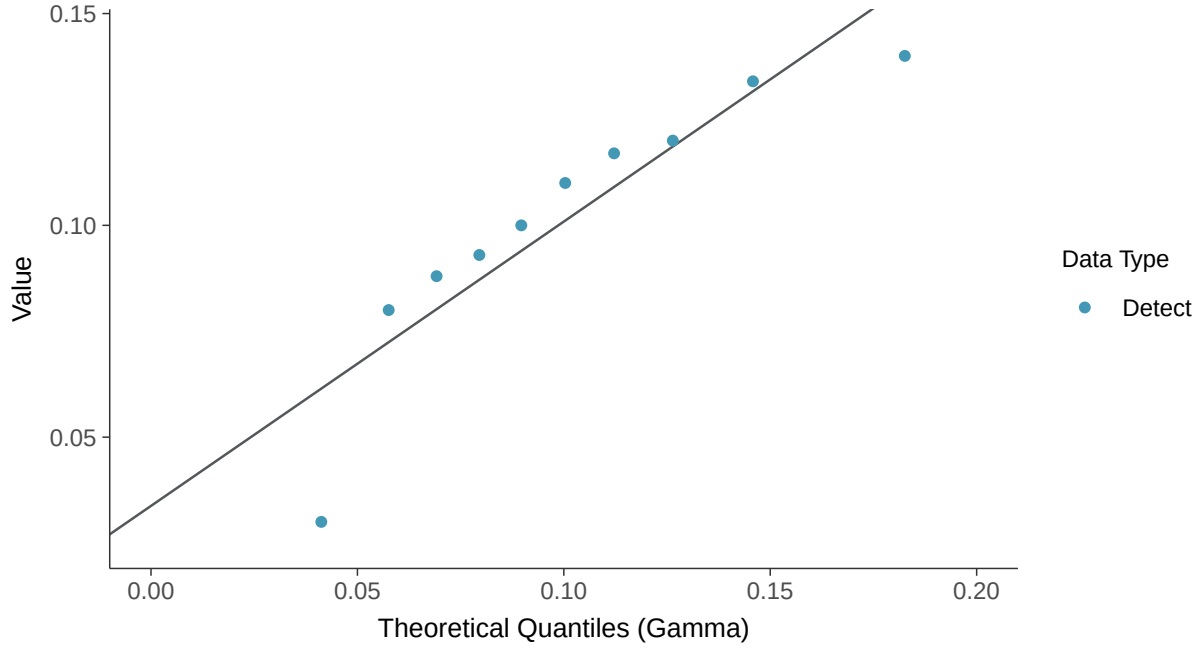



Normal Q-Q plot
Molybdenum, MW-18C (mg/l)
Value
0.15
0.10
0.05
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Molybdenum, MW-18C (mg/l)
log(Value)
−2.0
−2.5
−3.0
−3.5
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

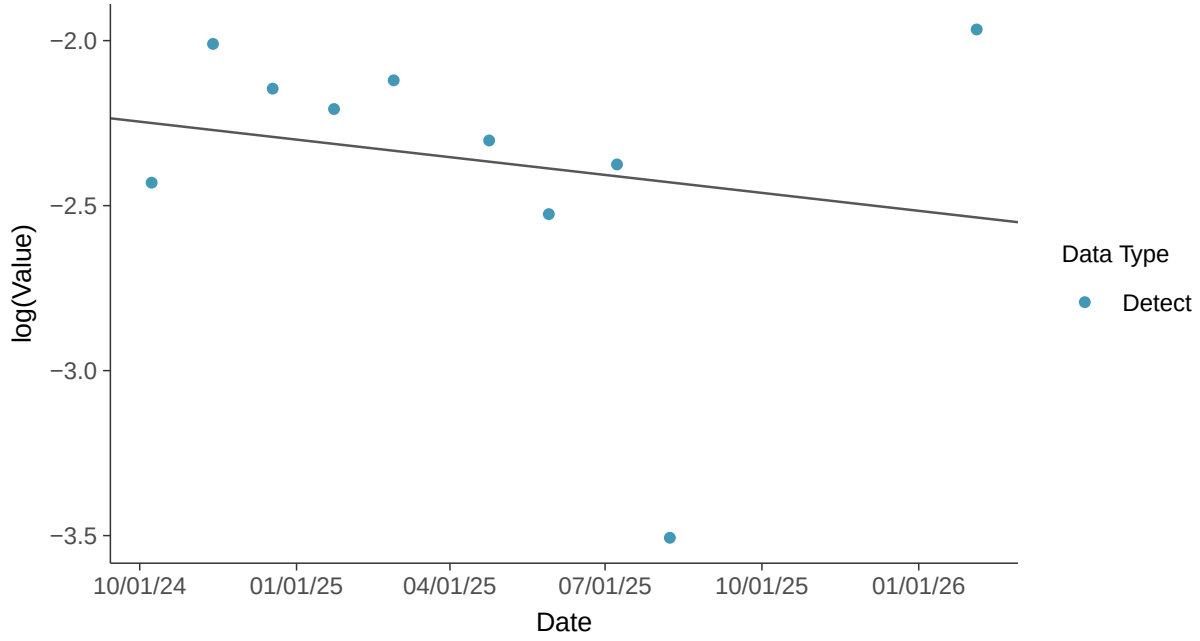
Gamma Q-Q plot

Molybdenum, MW-18C (mg/l)



Trend Regression: Lognormal MLE

Molybdenum, MW-18C (mg/l)

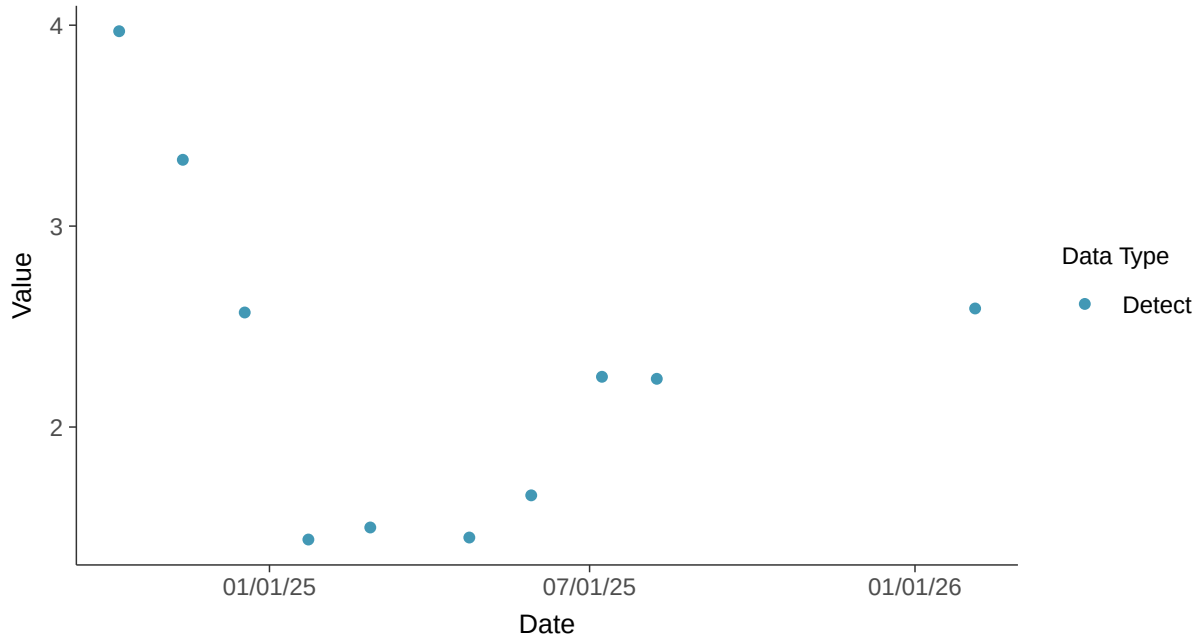


Appendix IV: Radium-226+228, MW-18C

ID: 16_3_121

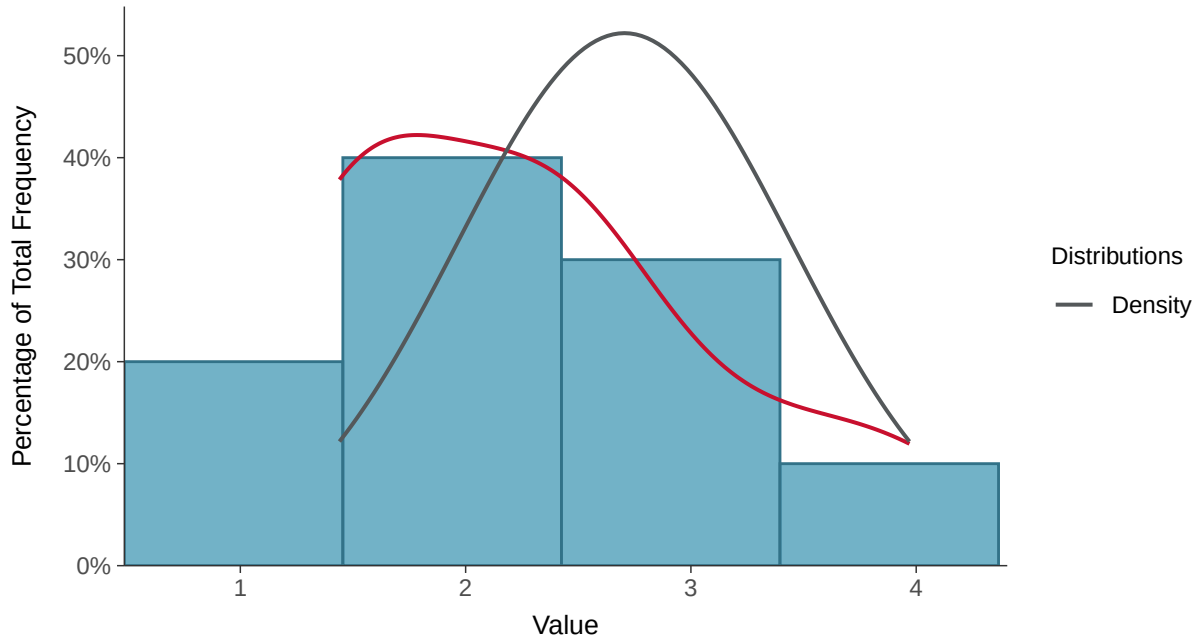
Scatter Plot

Radium-226+228, MW-18C (pci/l)



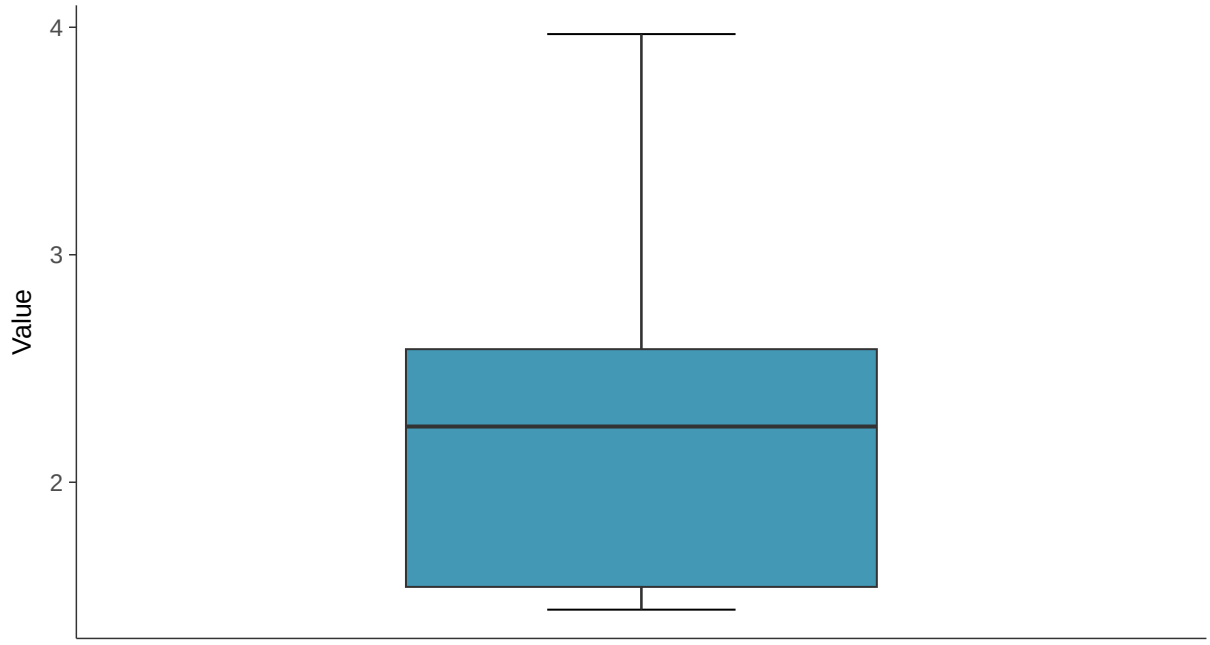
Histogram

Radium-226+228, MW-18C (pci/l)



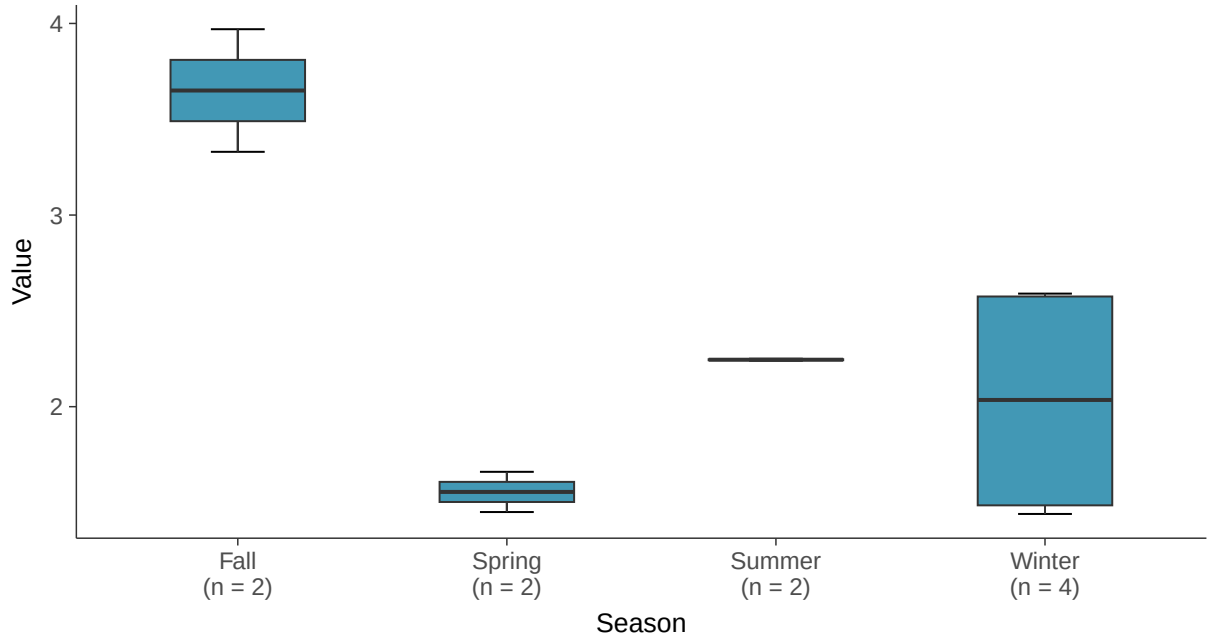
Boxplot

Radium-226+228, MW-18C (pci/l)



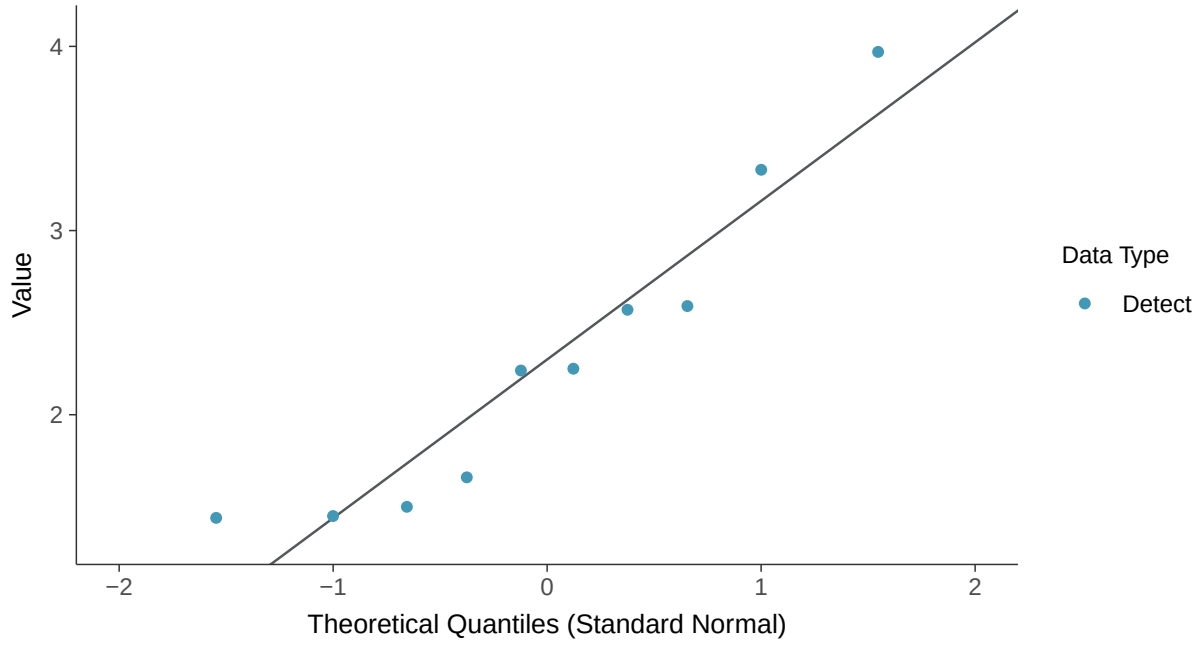
Boxplot by Season

Radium-226+228, MW-18C (pci/l)



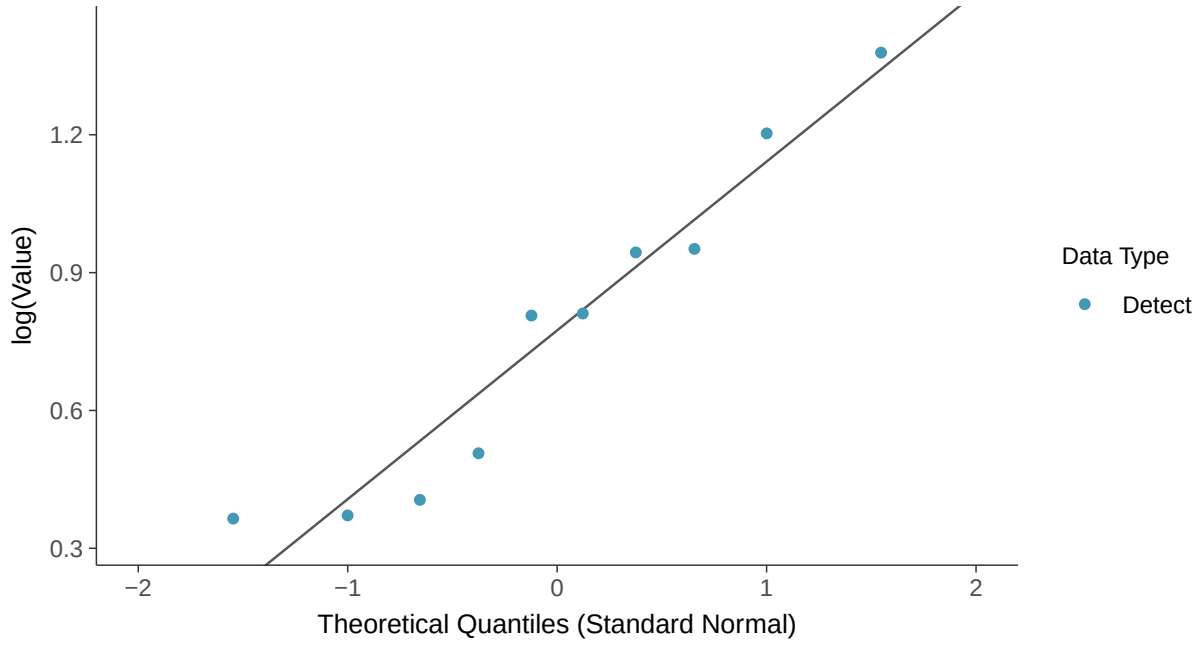
Normal Q-Q plot

Radium-226+228, MW-18C (pci/l)



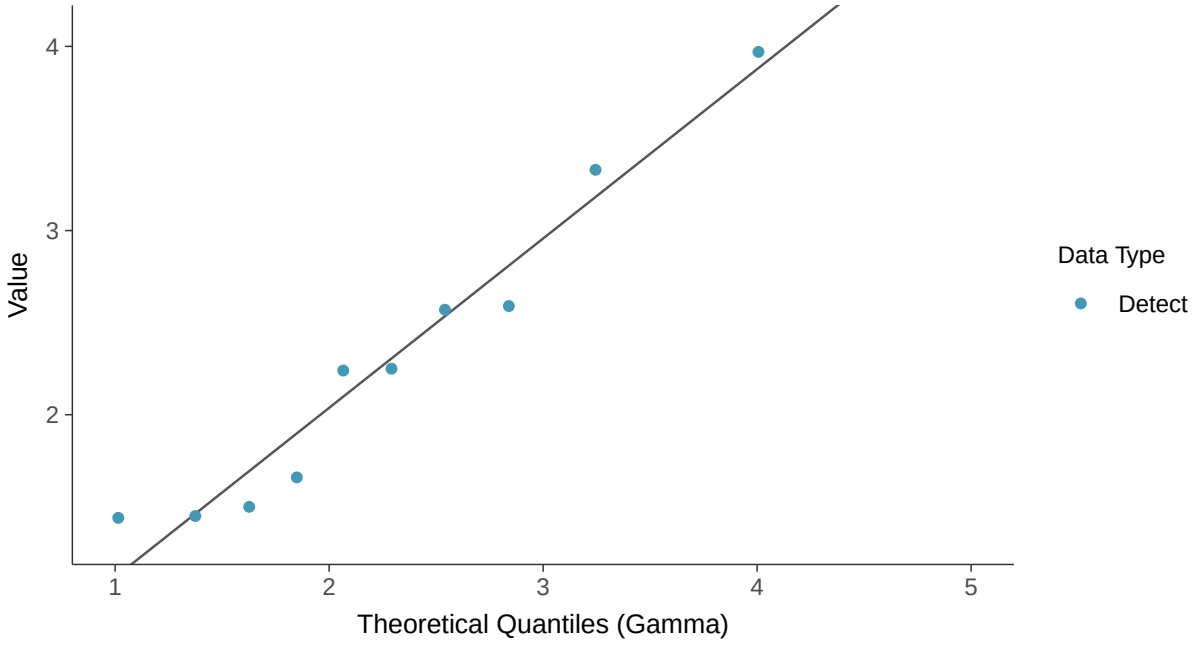
Lognormal Q-Q plot

Radium-226+228, MW-18C (pci/l)



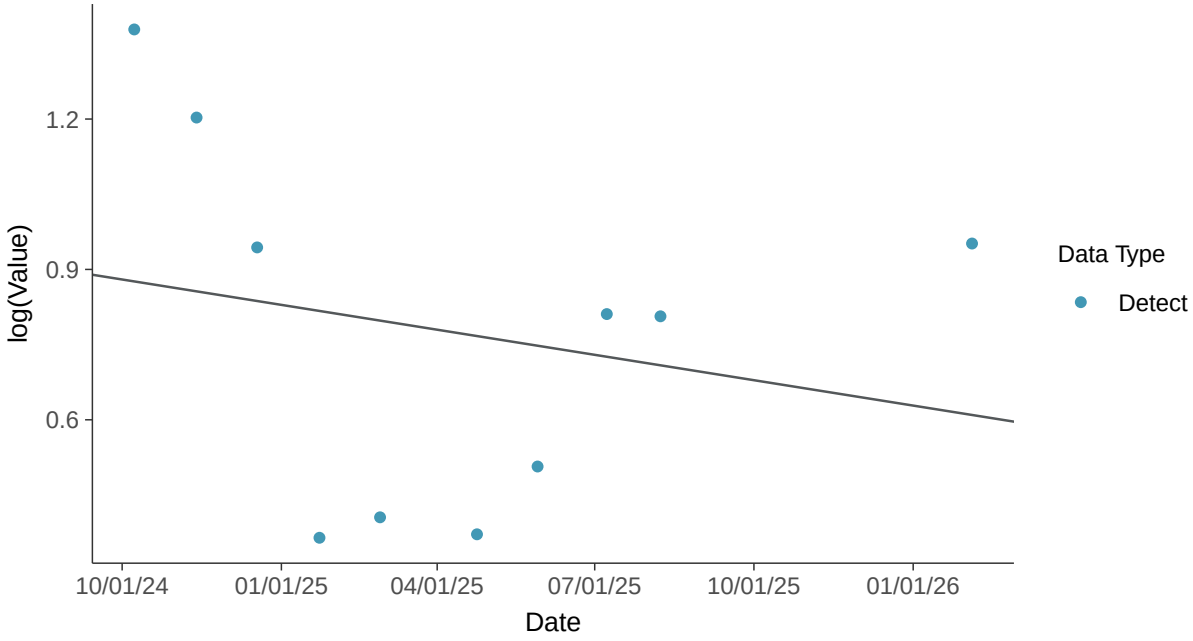
Gamma Q-Q plot

Radium-226+228, MW-18C (pci/l)



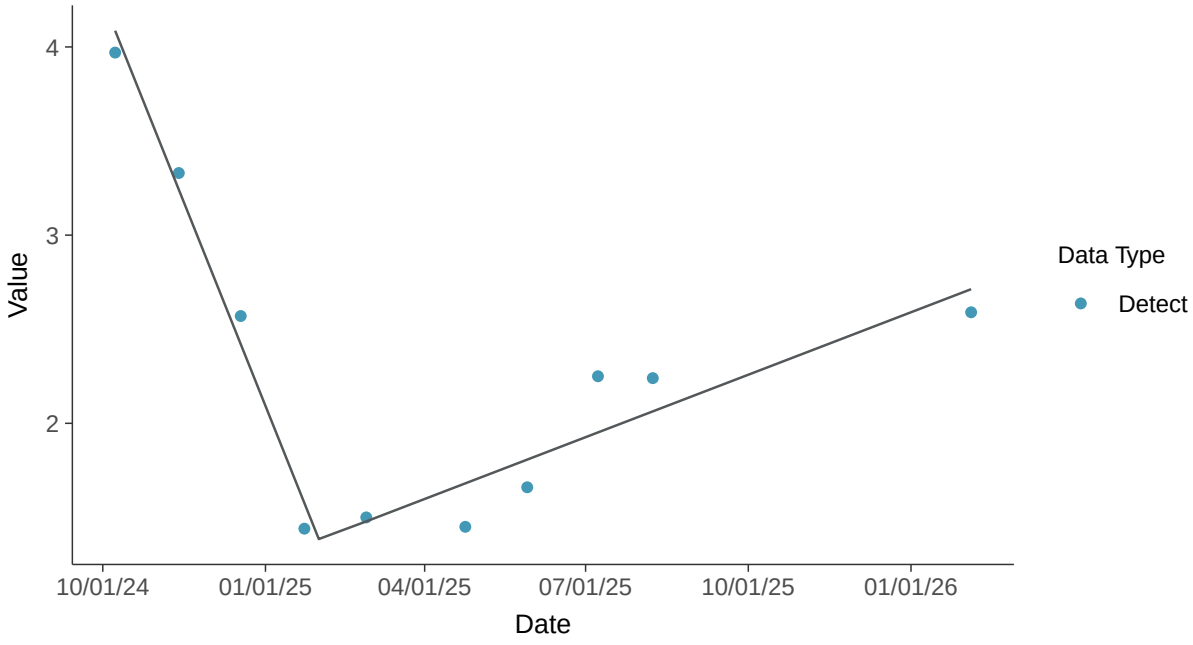
Trend Regression: Lognormal MLE

Radium-226+228, MW-18C (pci/l)



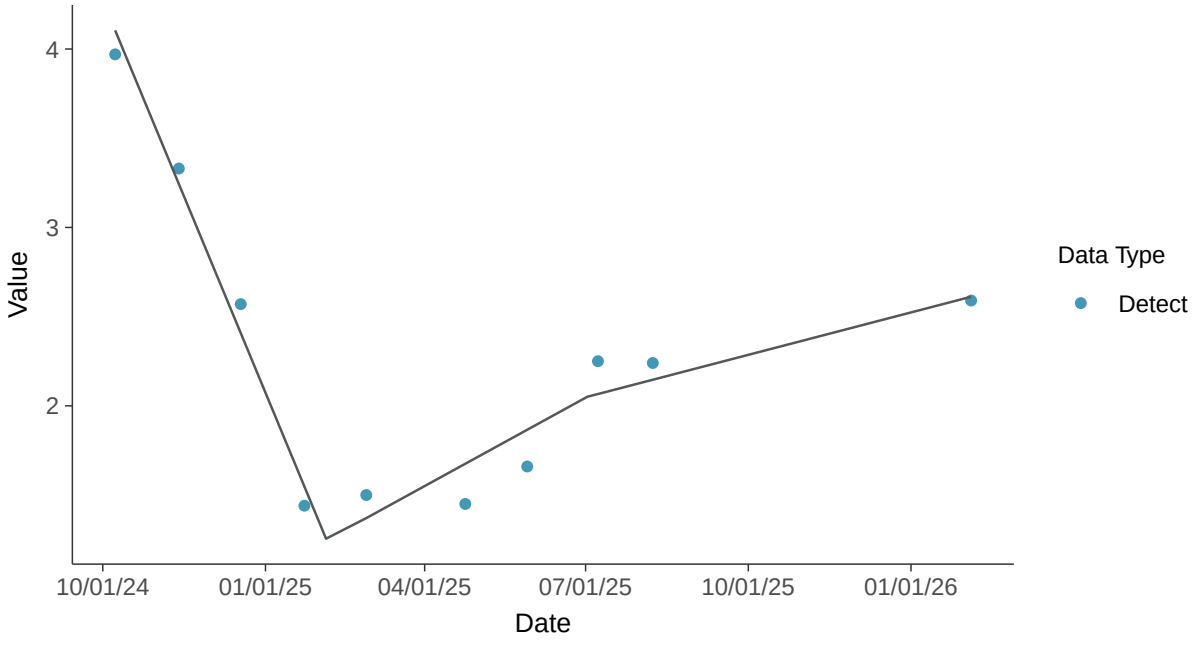
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-18C (pci/l)



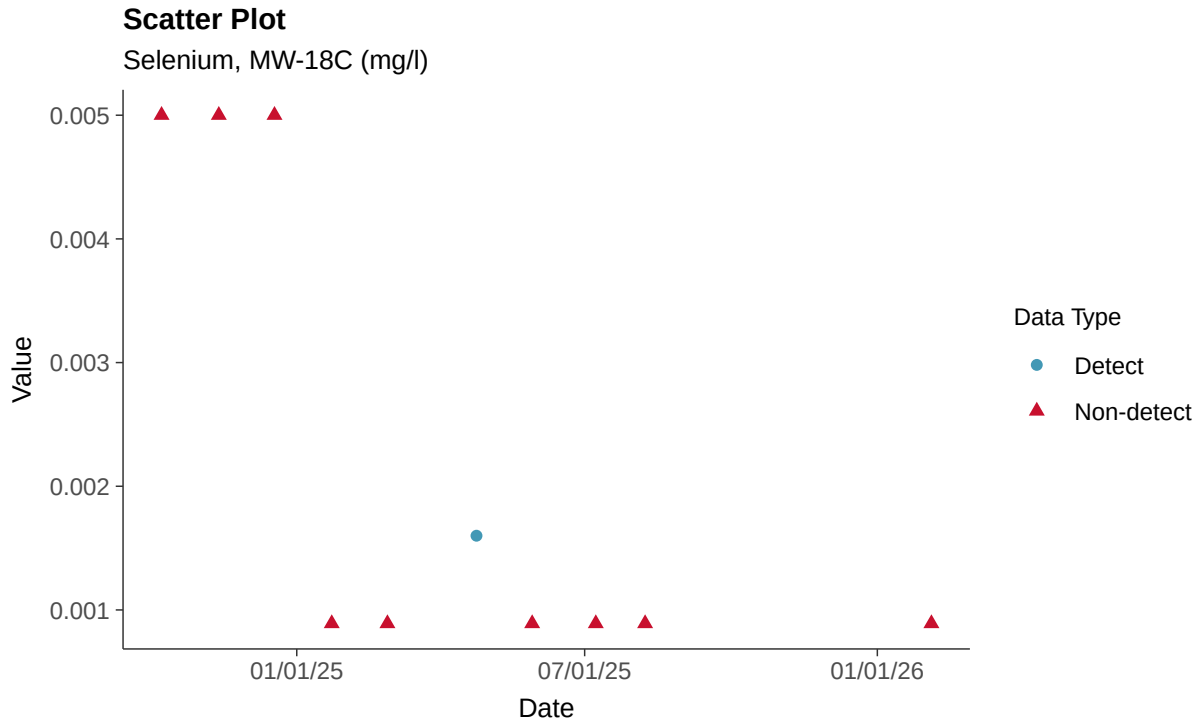
Trend Regression: Piecewise Linear-Linear-Linear

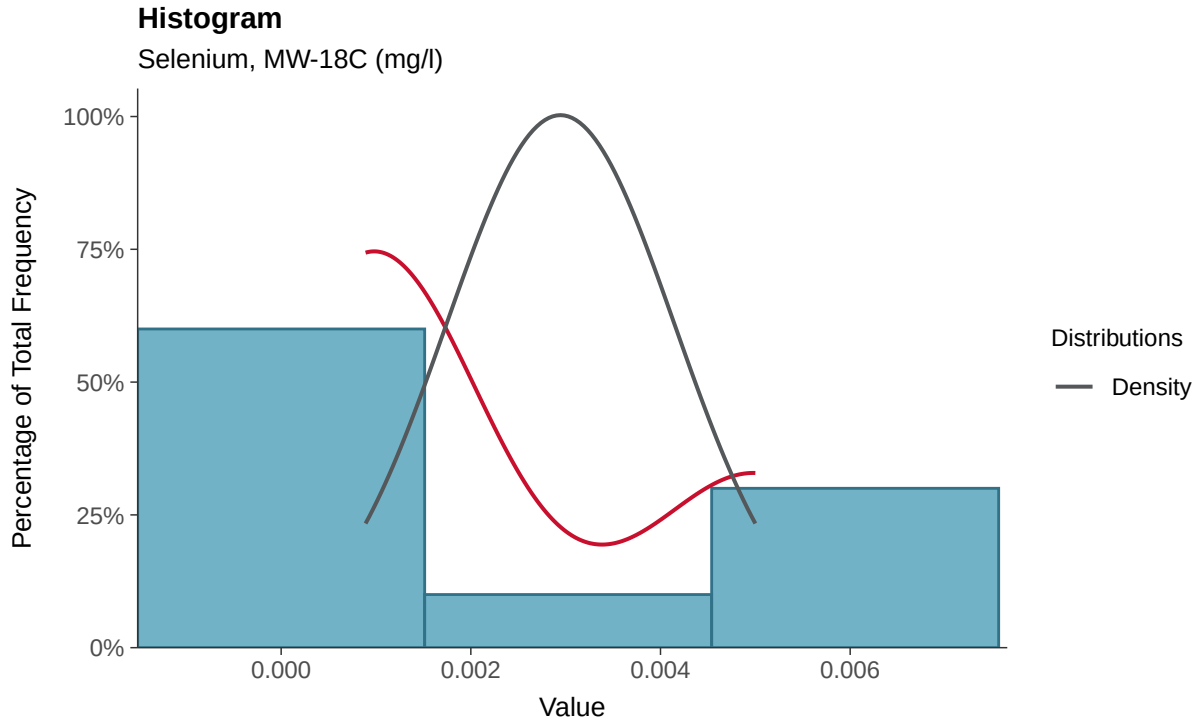
Radium-226+228, MW-18C (pci/l)



Appendix IV: Selenium, MW-18C

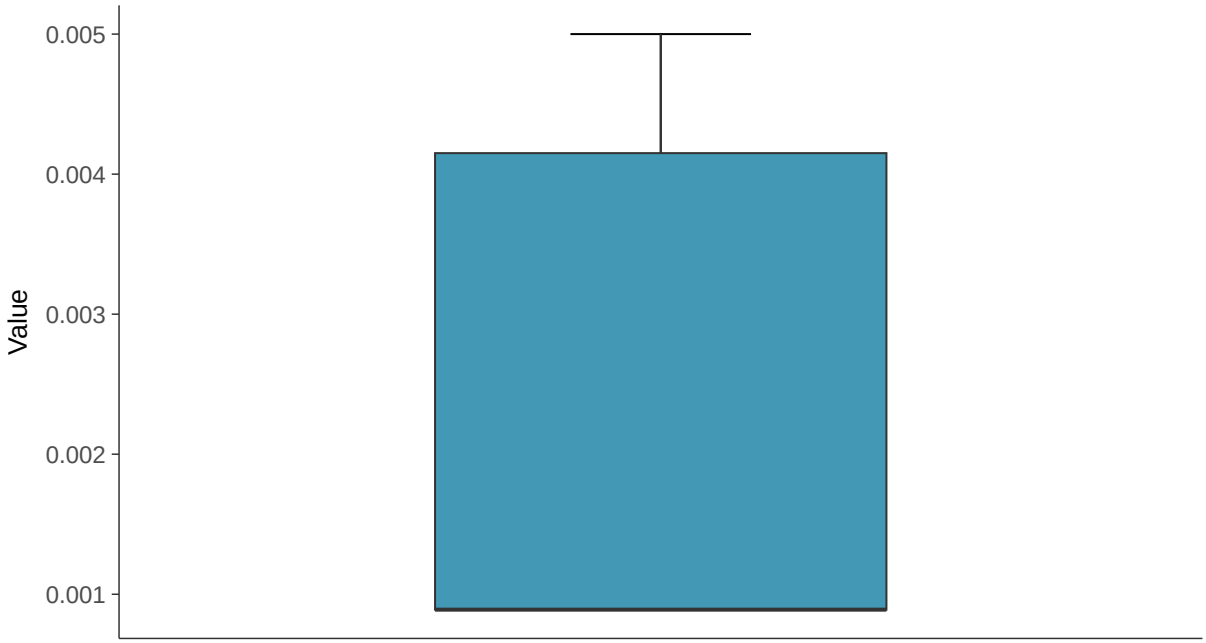
ID: 16_3_122





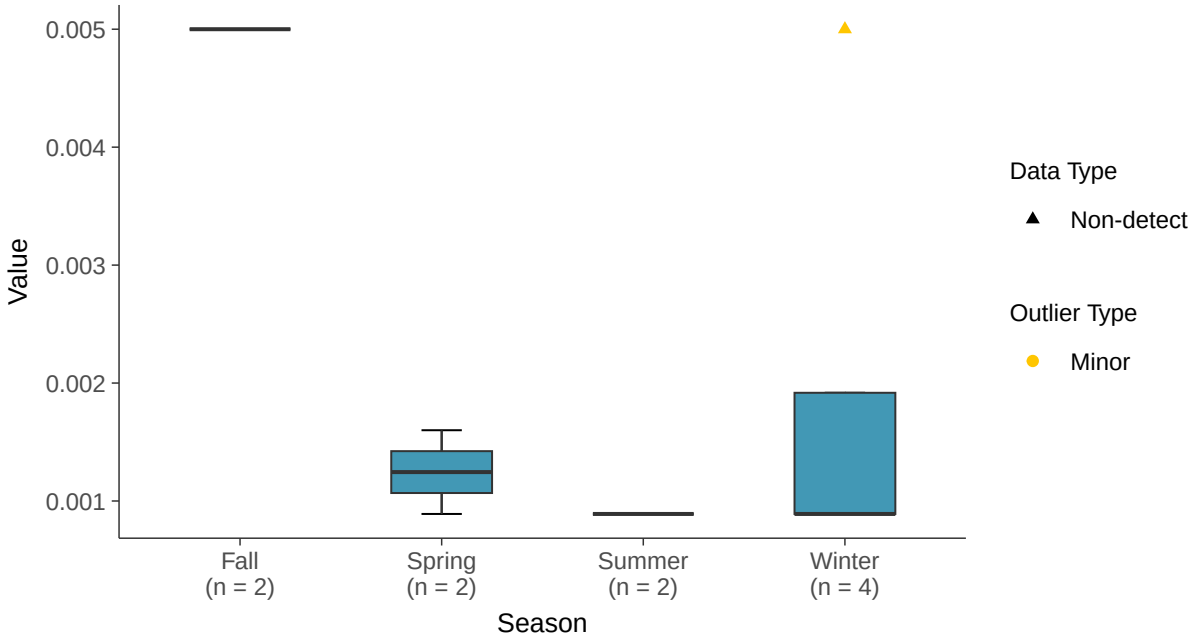
Boxplot

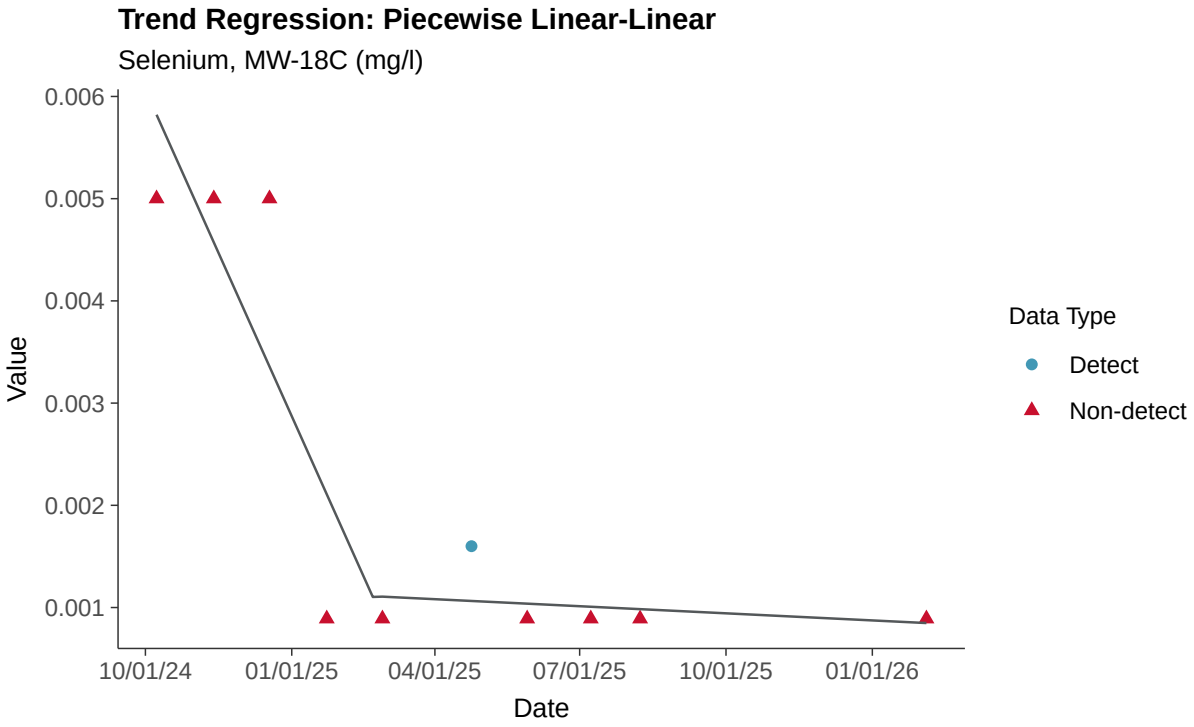
Selenium, MW-18C (mg/l)



Boxplot by Season

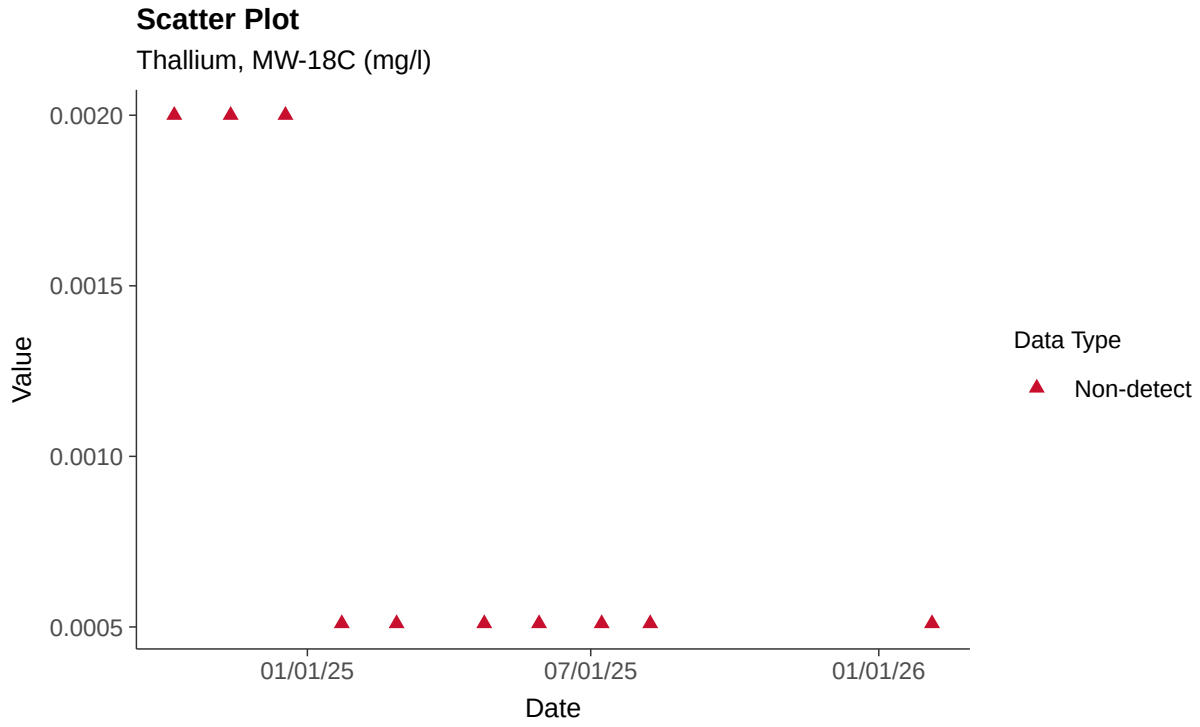
Selenium, MW-18C (mg/l)

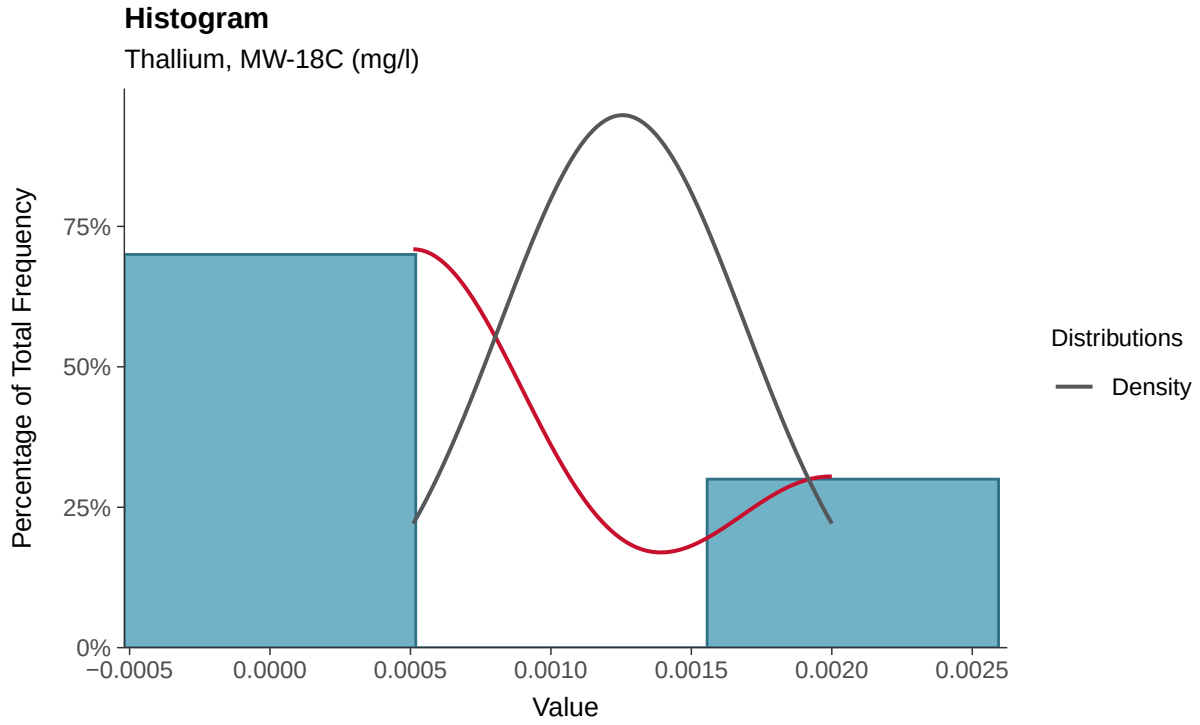



Trend Regression: Piecewise Linear-Linear
Selenium, MW-18C (mg/l)
Value
0.006
0.005
0.004
0.003
0.002
0.001
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Thallium, MW-18C

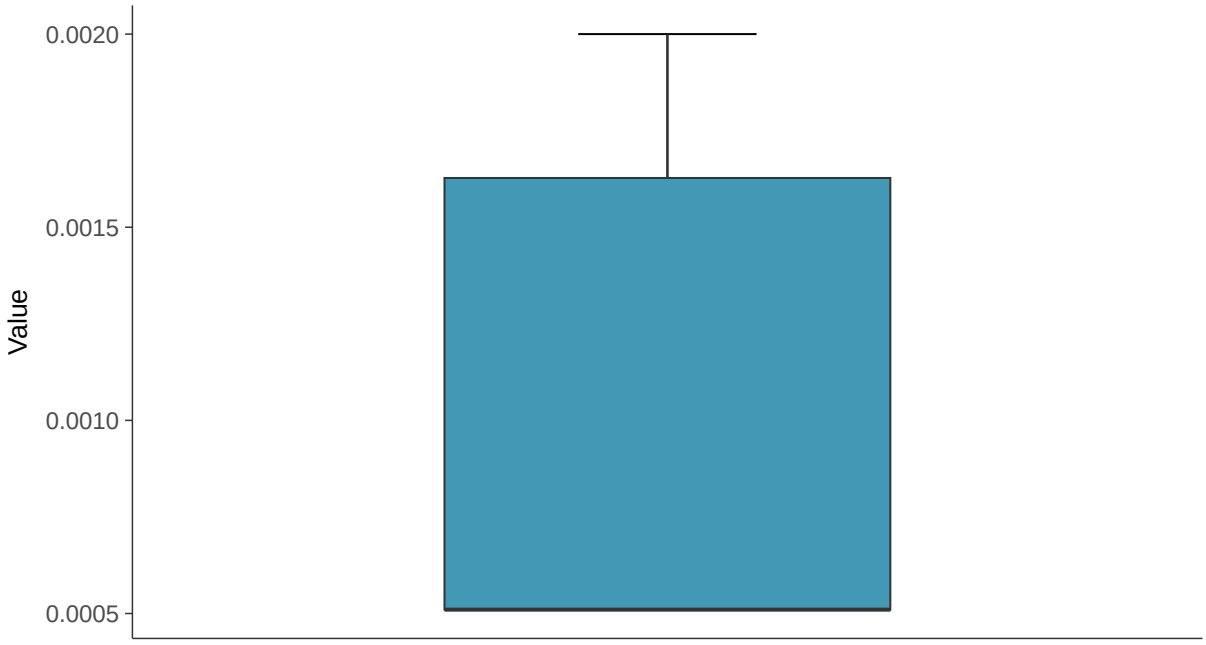
ID: 16_3_125





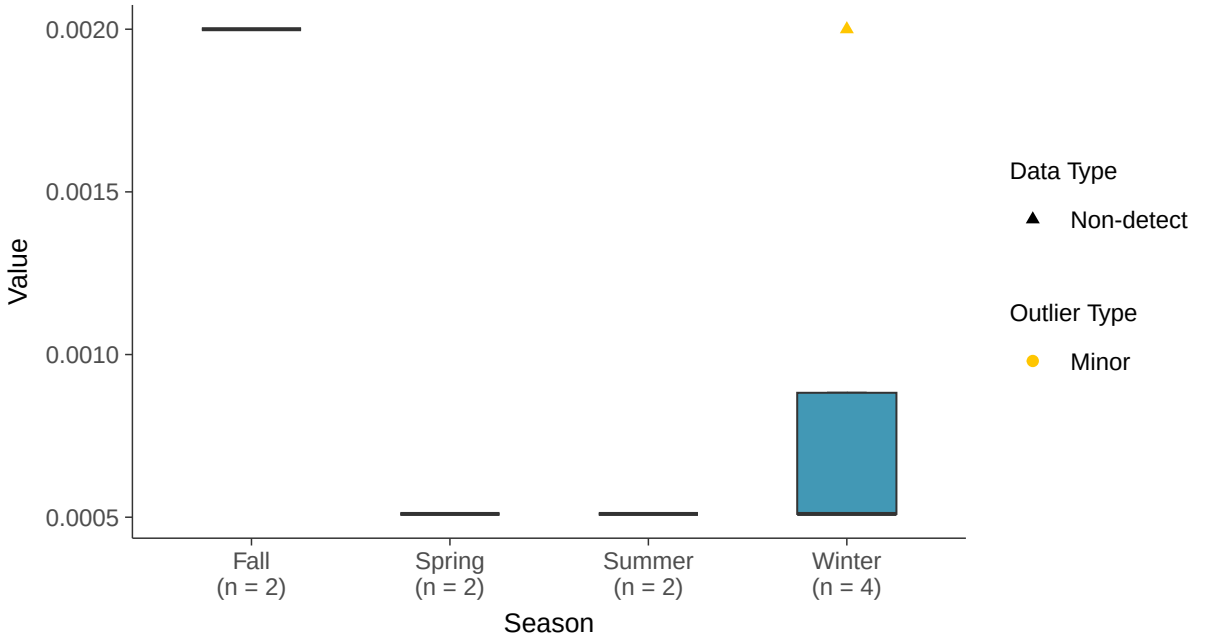
Boxplot

Thallium, MW-18C (mg/l)



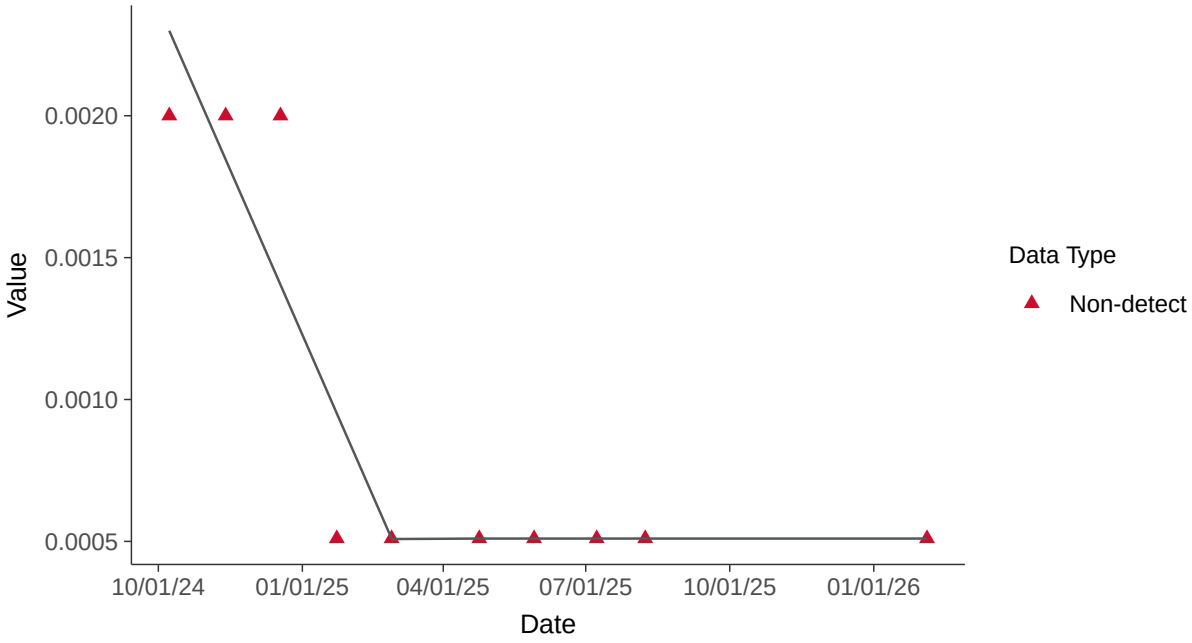
Boxplot by Season

Thallium, MW-18C (mg/l)



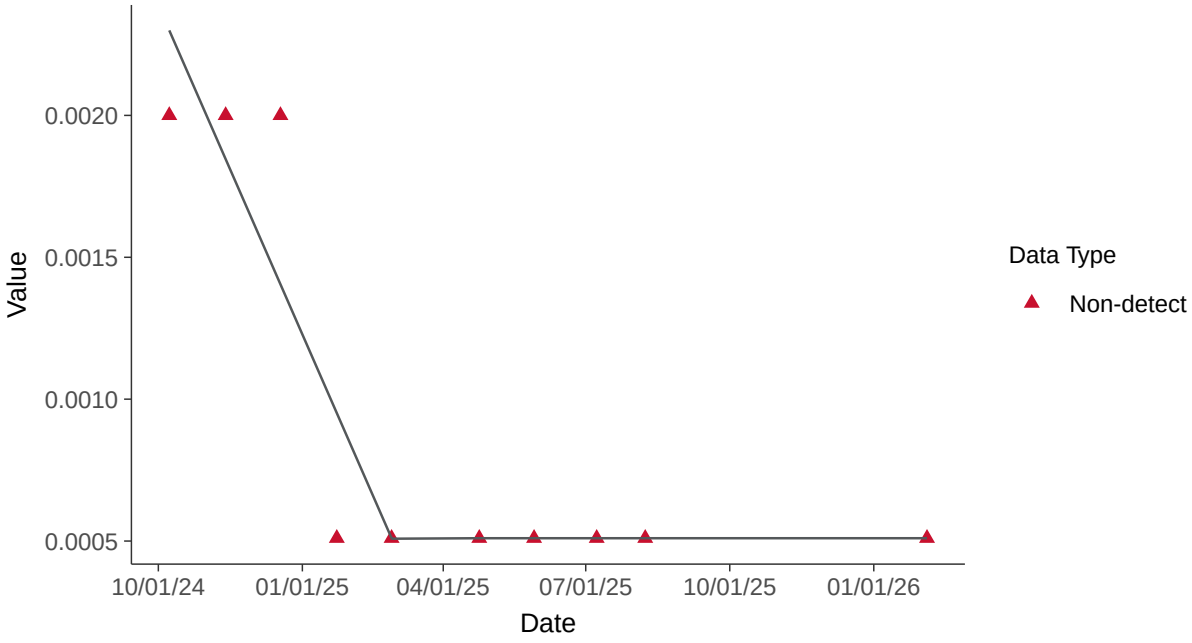
Trend Regression: Piecewise Linear-Linear

Thallium, MW-18C (mg/l)



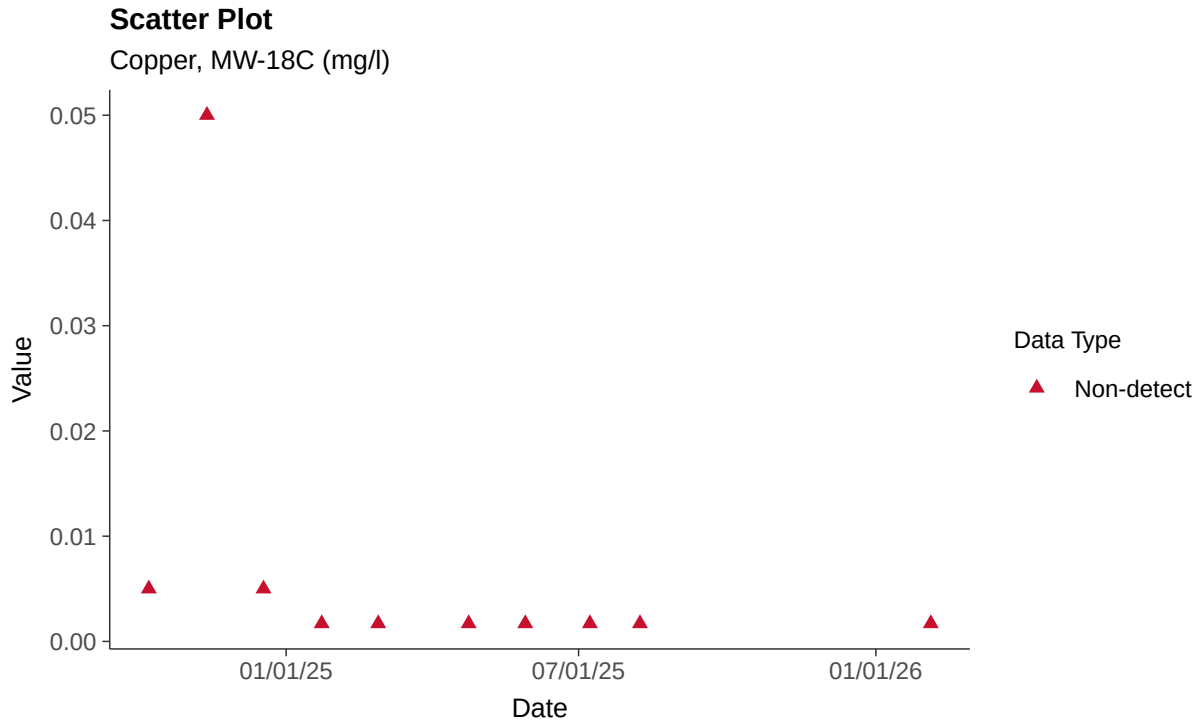
Trend Regression: Piecewise Linear-Linear-Linear

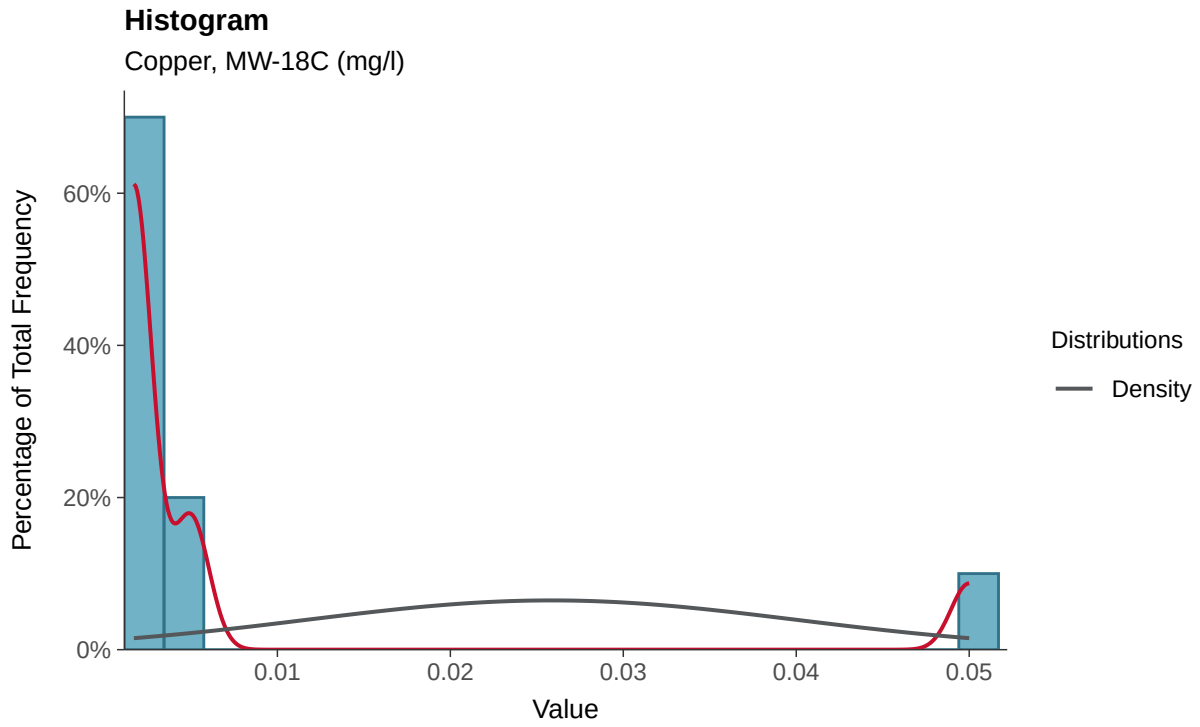
Thallium, MW-18C (mg/l)



Part 115: Copper, MW-18C

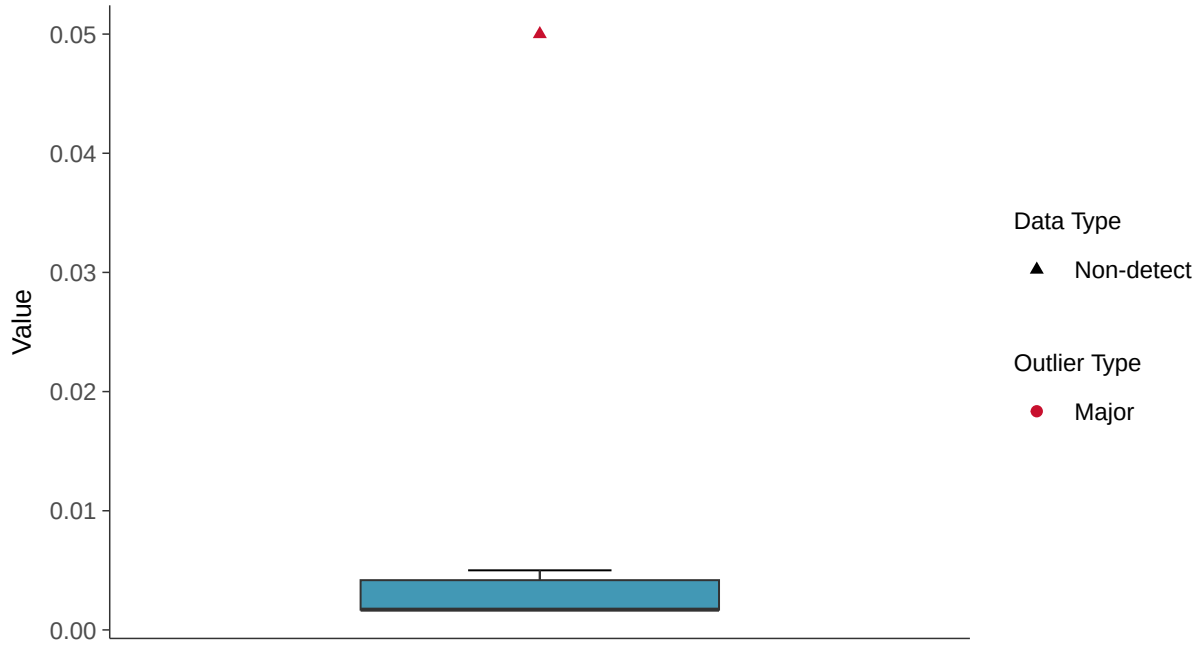
ID: 16_5_111





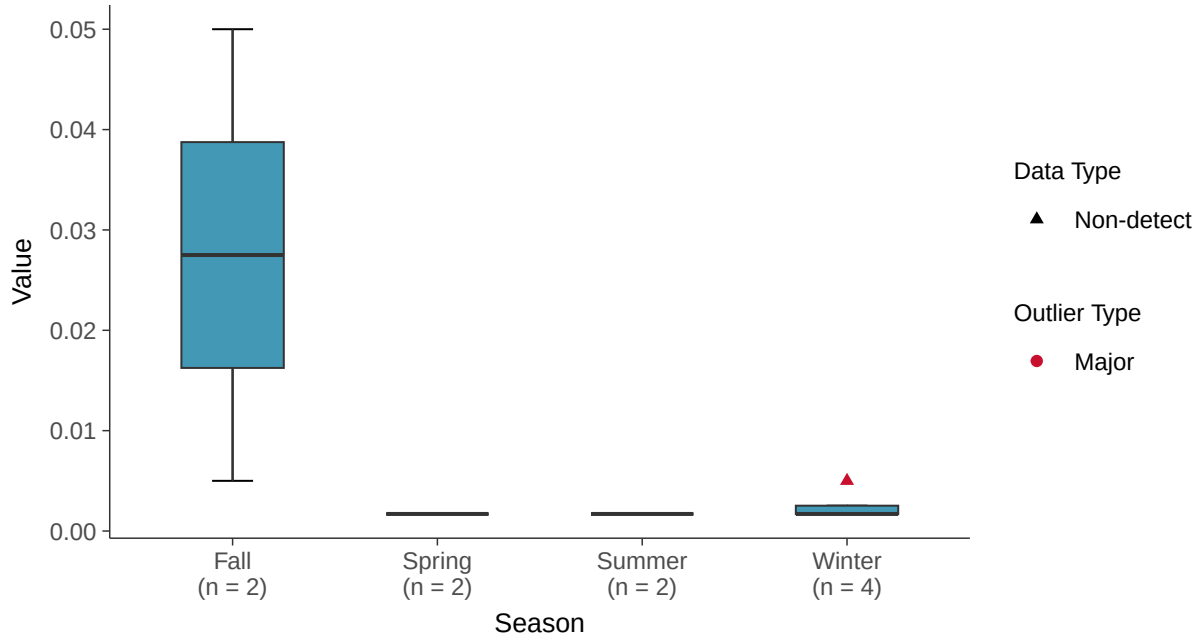
Boxplot

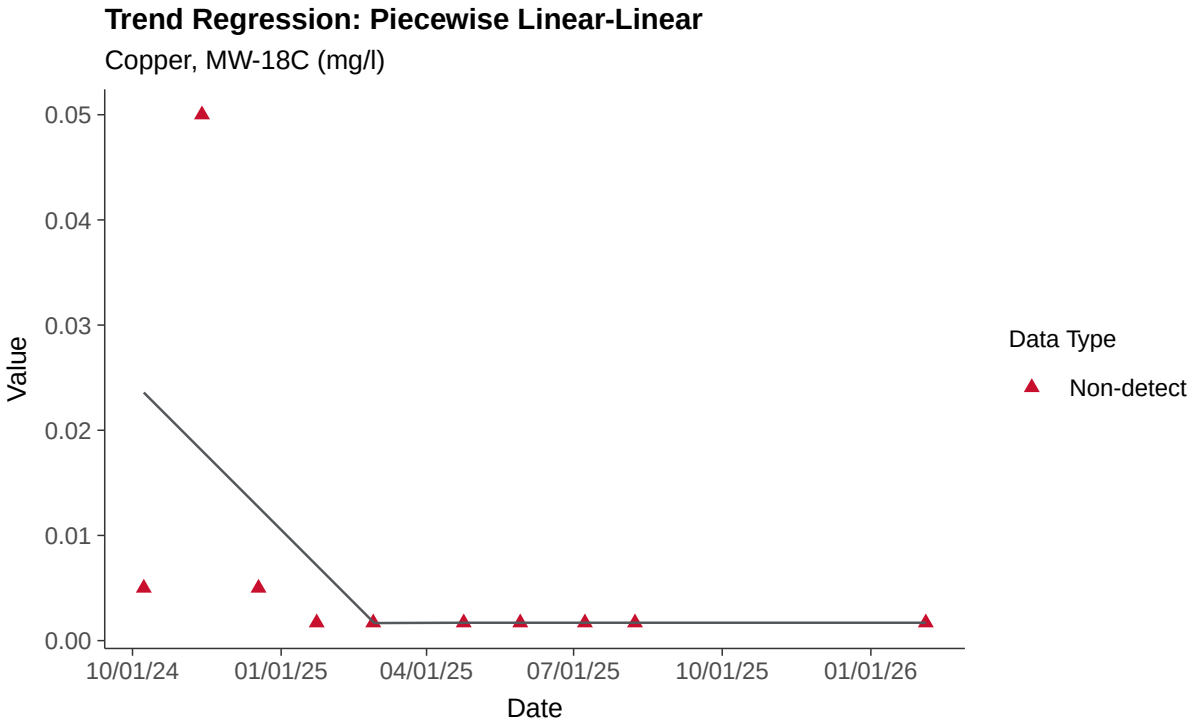
Copper, MW-18C (mg/l)



Boxplot by Season

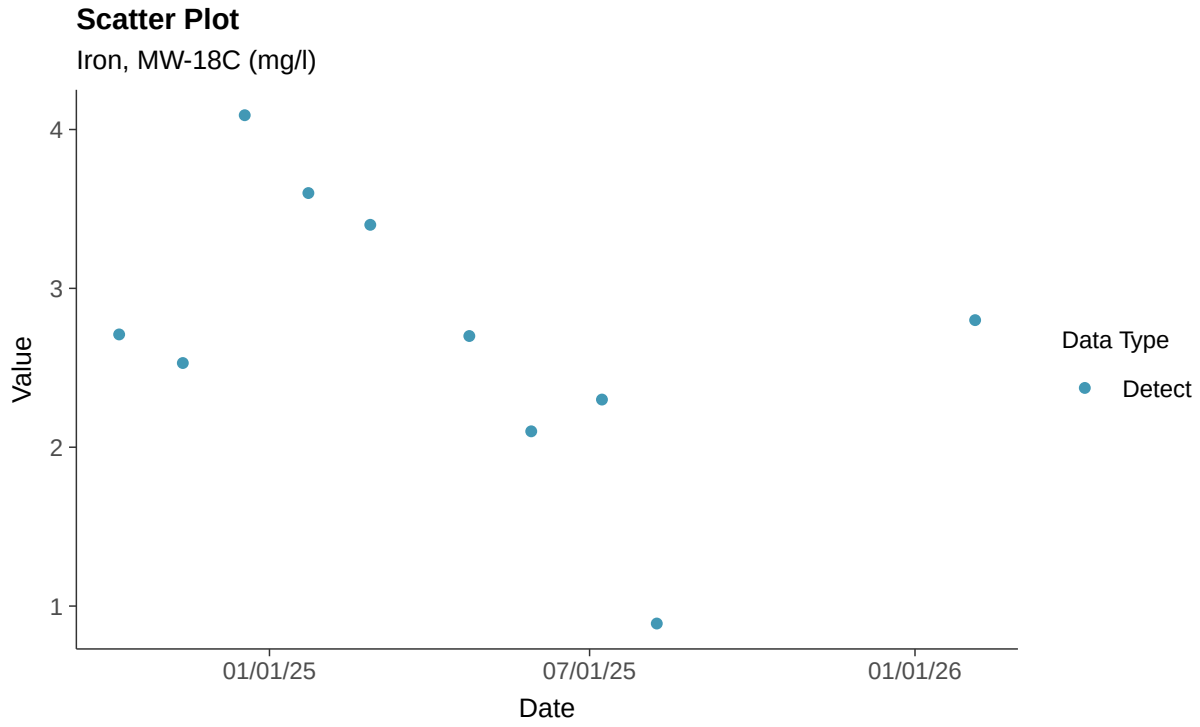
Copper, MW-18C (mg/l)

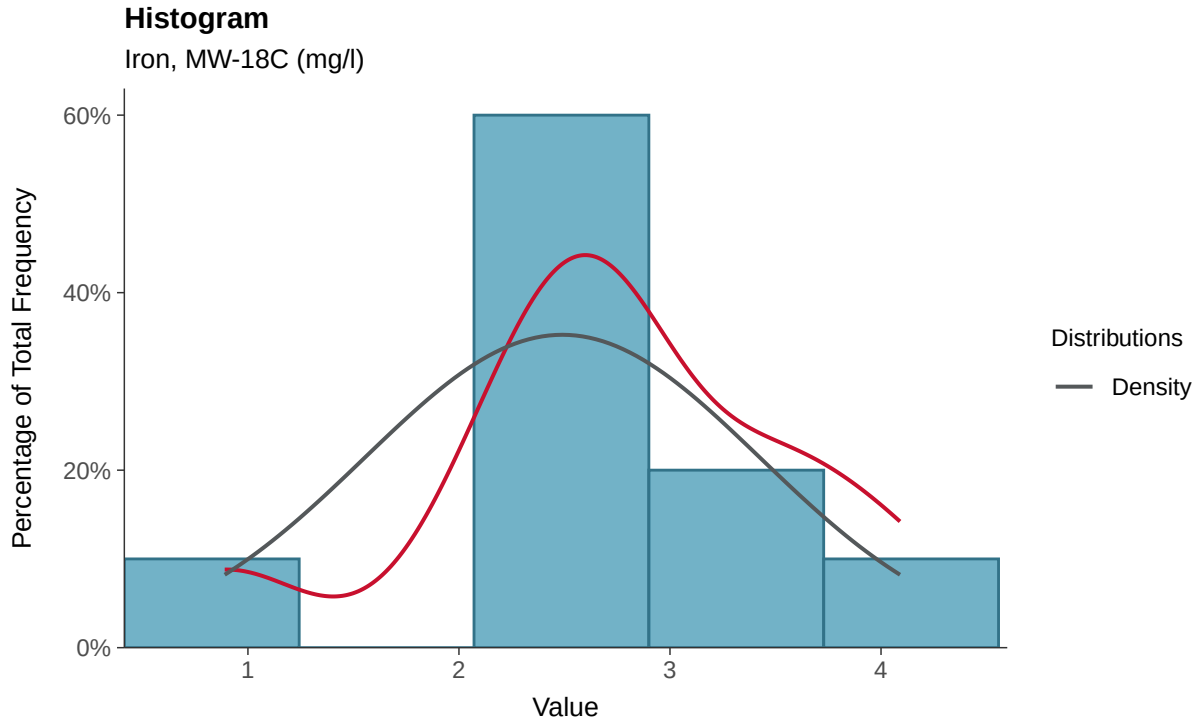



Trend Regression: Piecewise Linear-Linear
Copper, MW-18C (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Iron, MW-18C

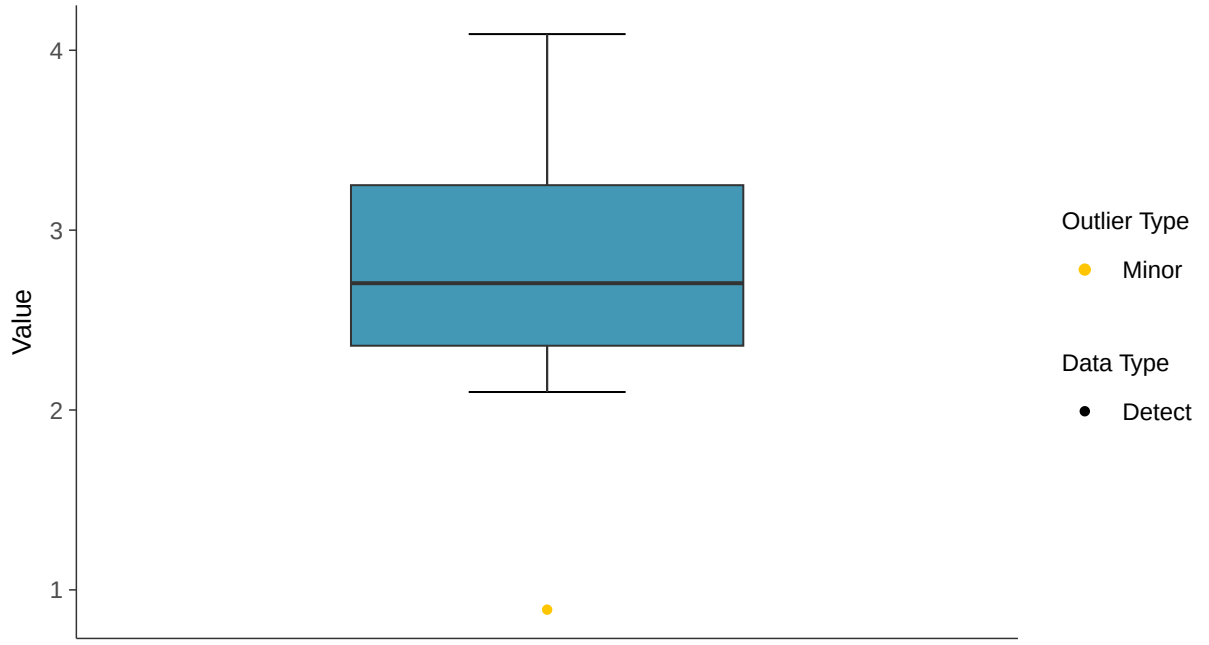
ID: 16_5_114





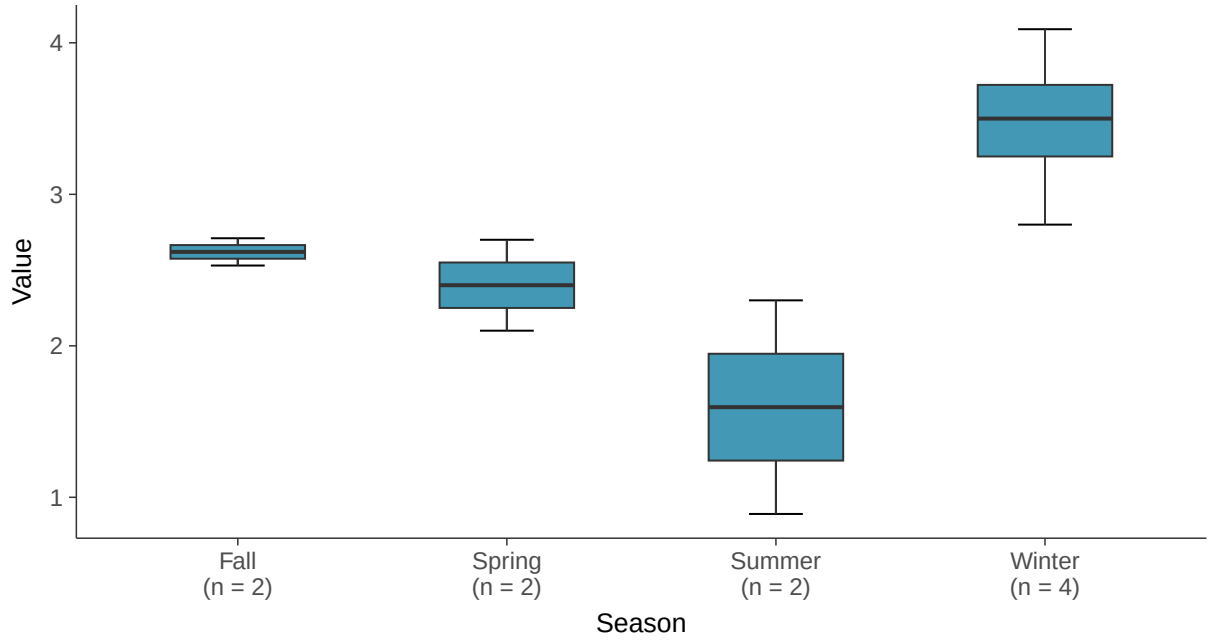
Boxplot

Iron, MW-18C (mg/l)



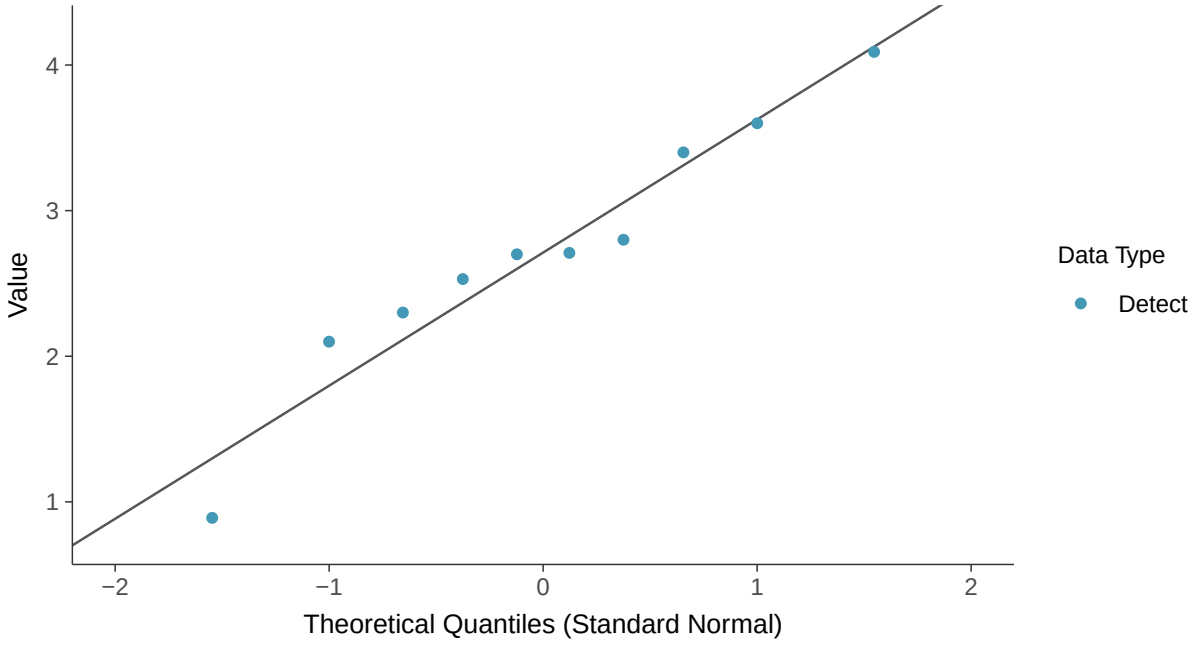
Boxplot by Season

Iron, MW-18C (mg/l)



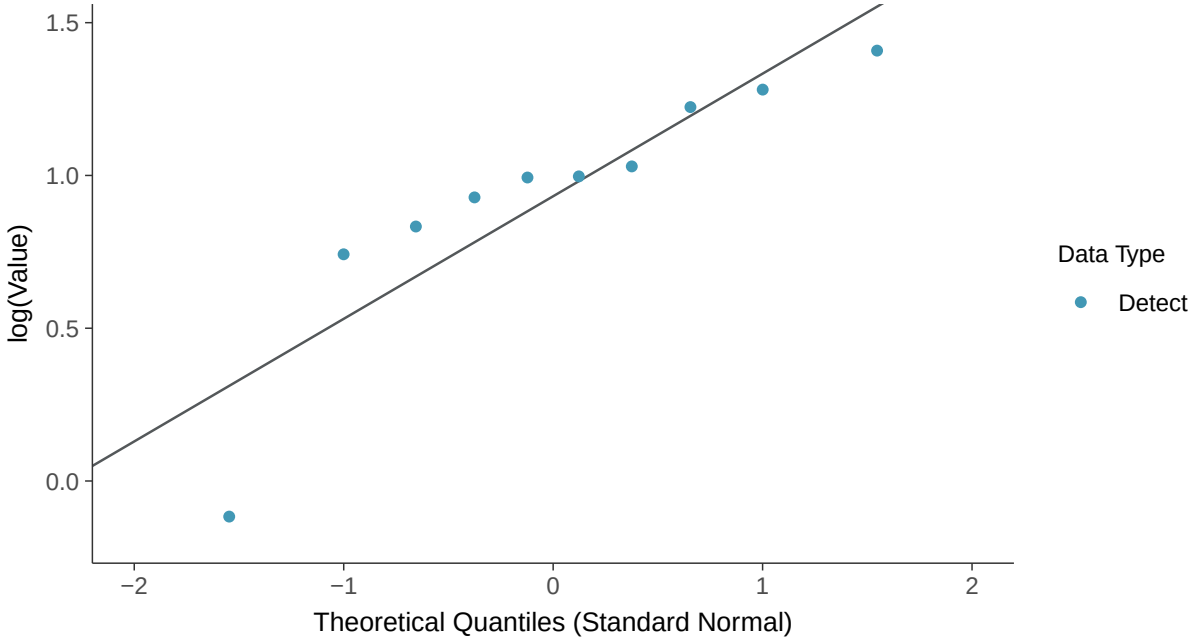
Normal Q-Q plot

Iron, MW-18C (mg/l)



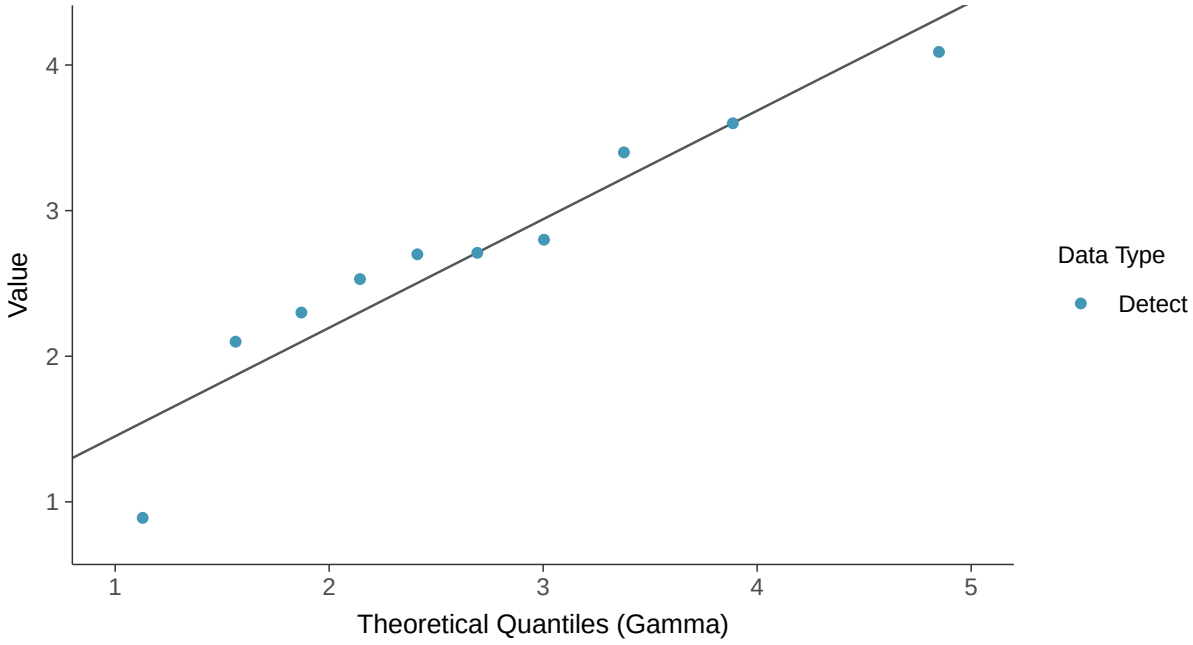
Lognormal Q-Q plot

Iron, MW-18C (mg/l)



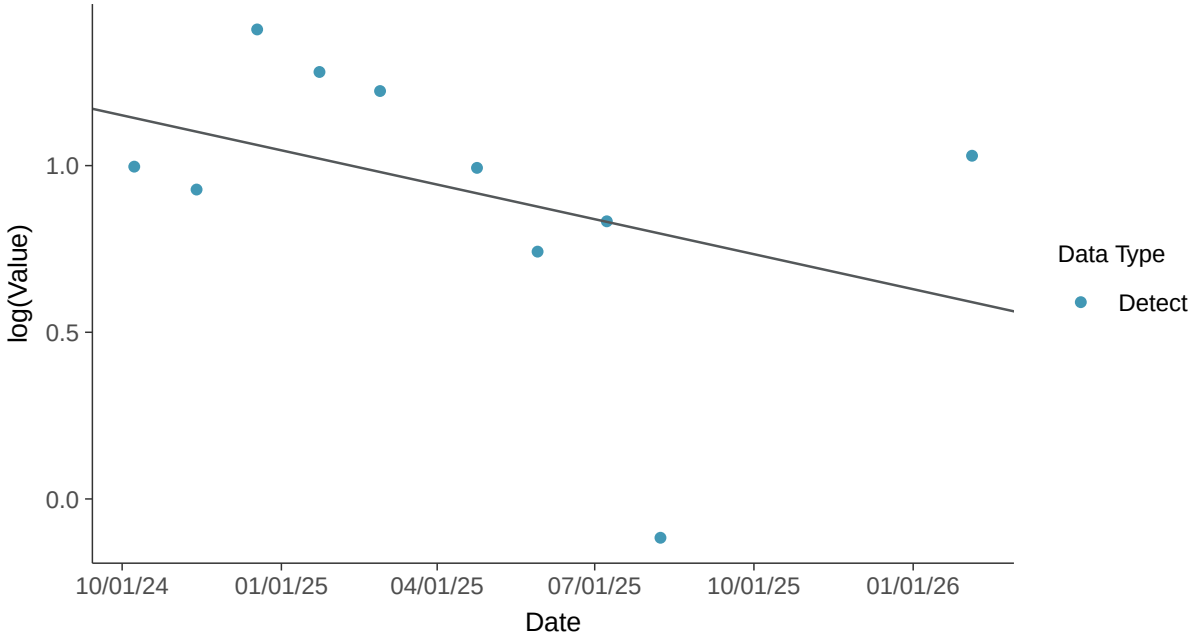
Gamma Q-Q plot

Iron, MW-18C (mg/l)



Trend Regression: Lognormal MLE

Iron, MW-18C (mg/l)

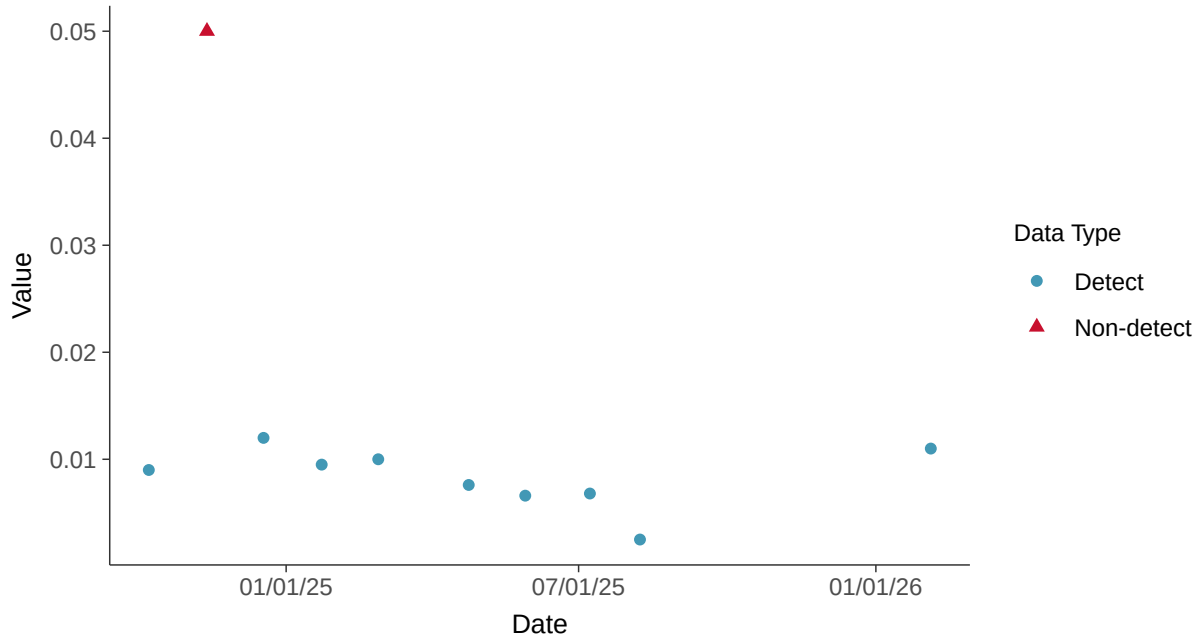


Part 115: Nickel, MW-18C

ID: 16_5_119

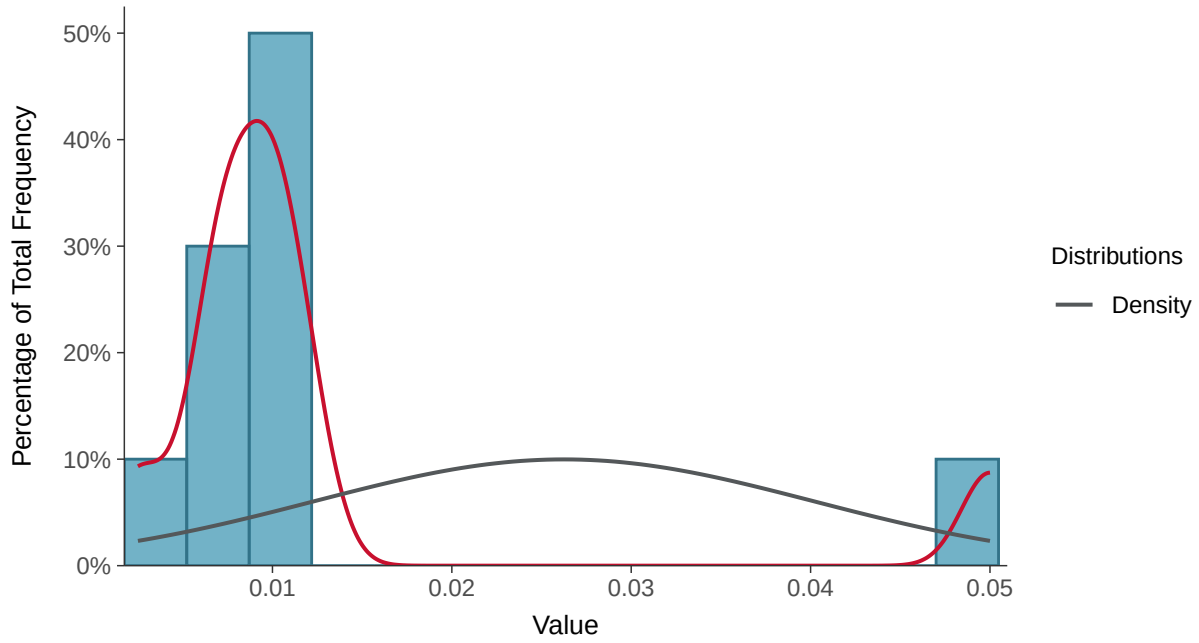
Scatter Plot

Nickel, MW-18C (mg/l)



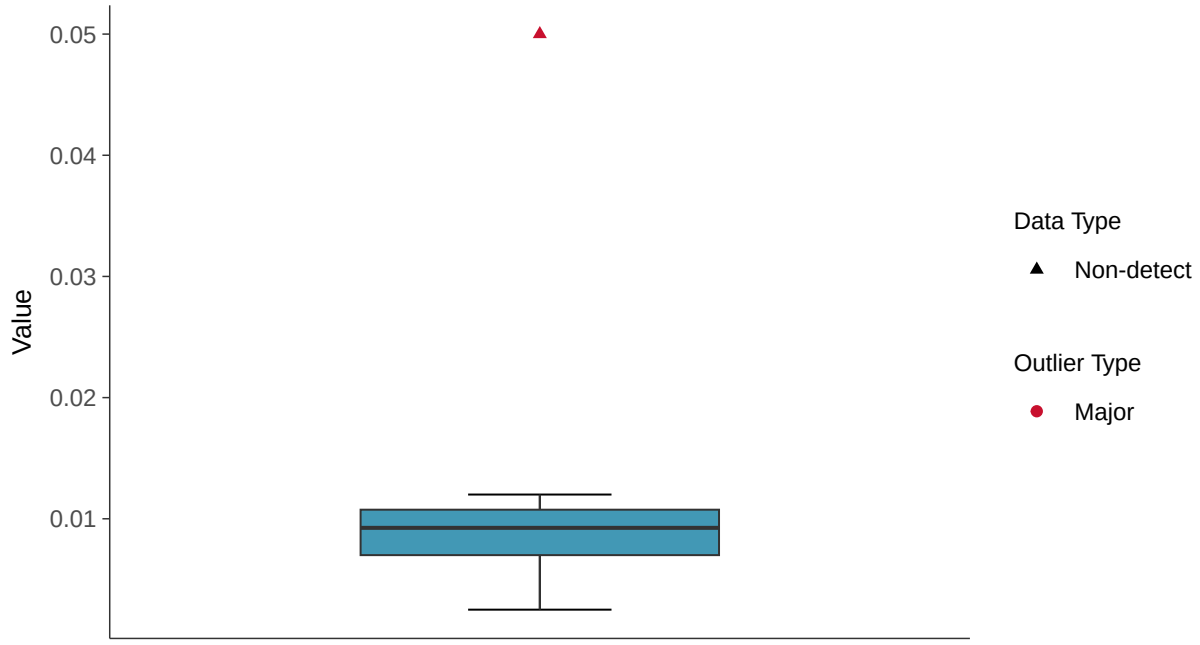
Histogram

Nickel, MW-18C (mg/l)



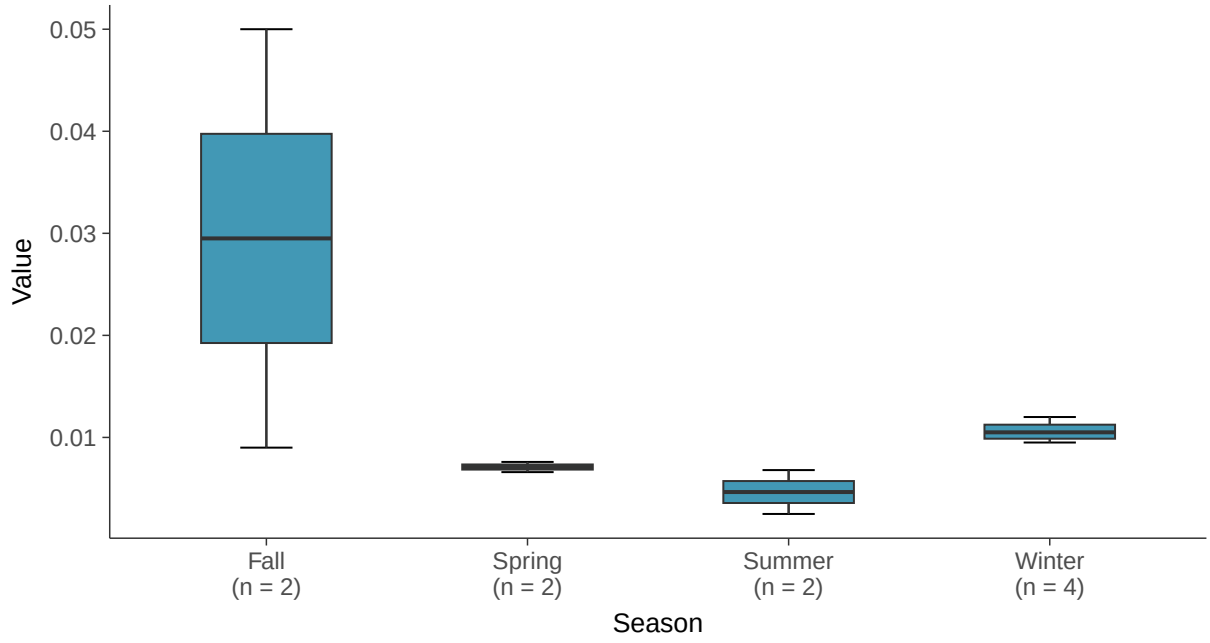
Boxplot

Nickel, MW-18C (mg/l)



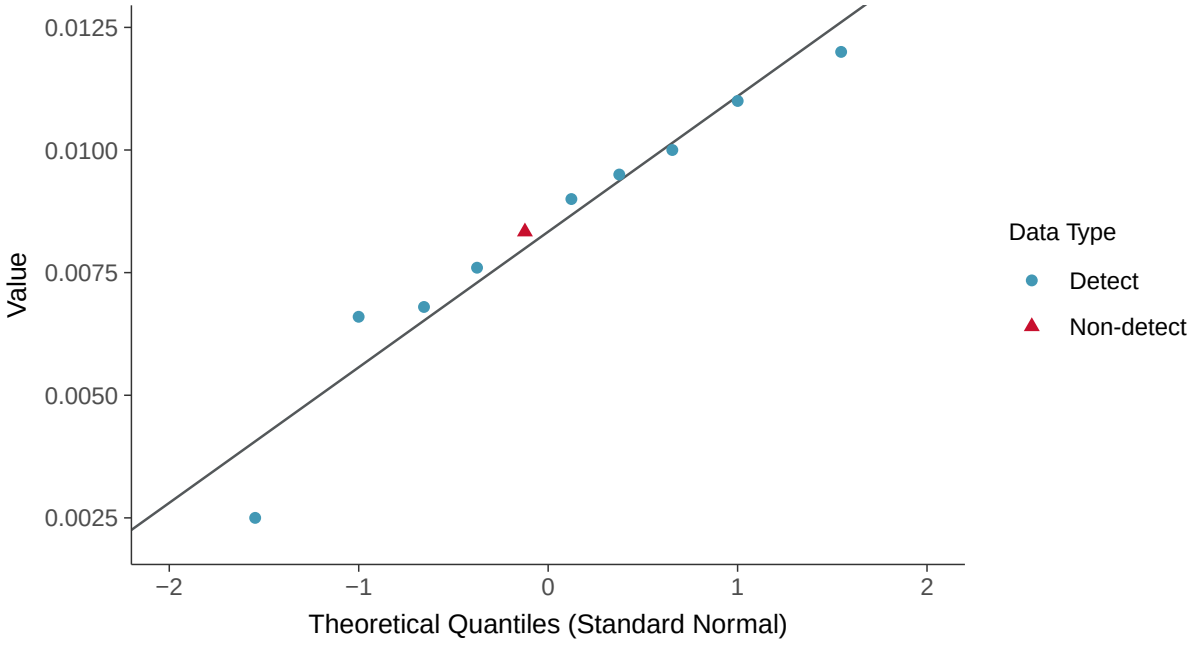
Boxplot by Season

Nickel, MW-18C (mg/l)



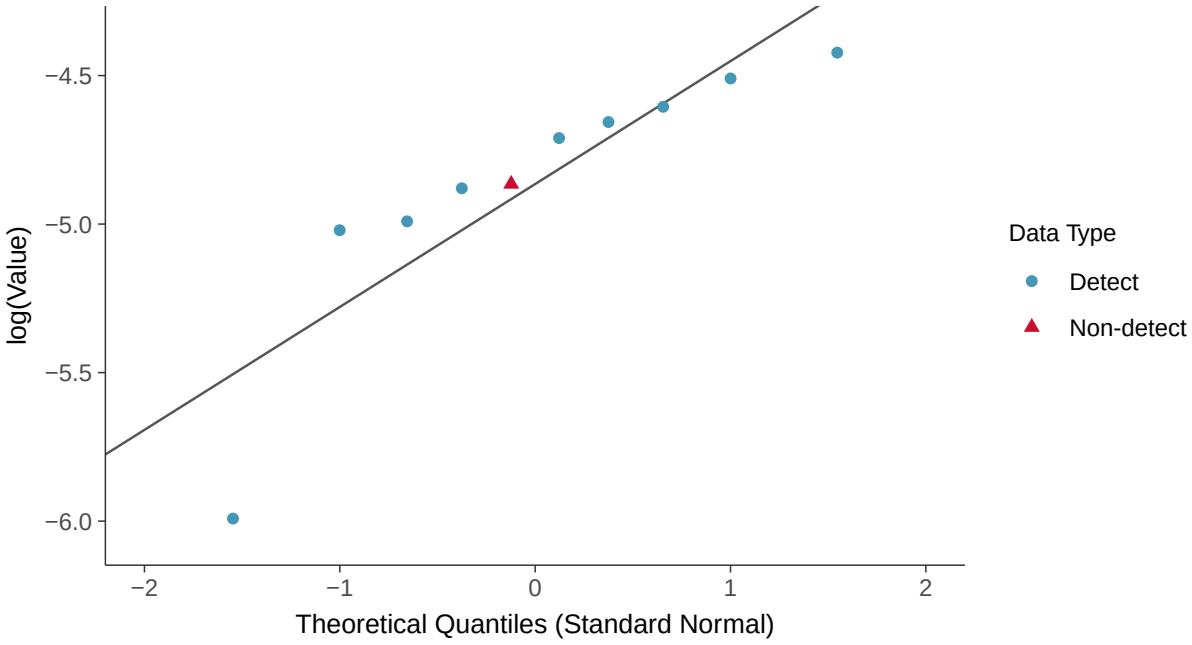
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-18C (mg/l)



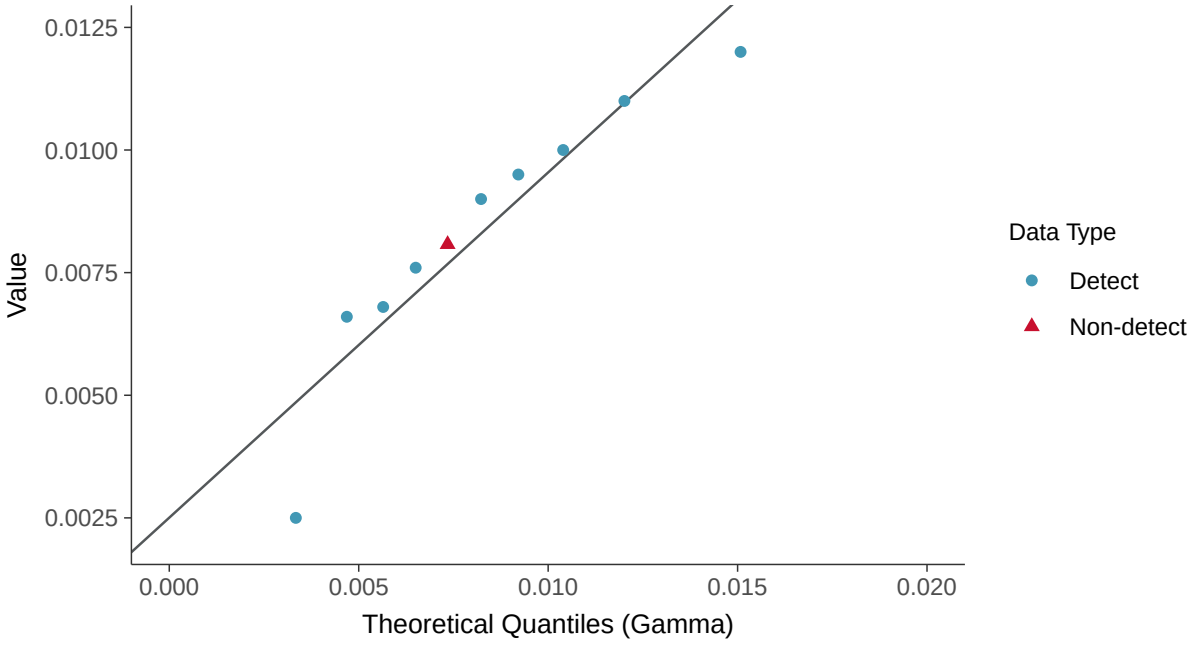
Lognormal Q-Q plot using ROS Imputed Estimates

Nickel, MW-18C (mg/l)



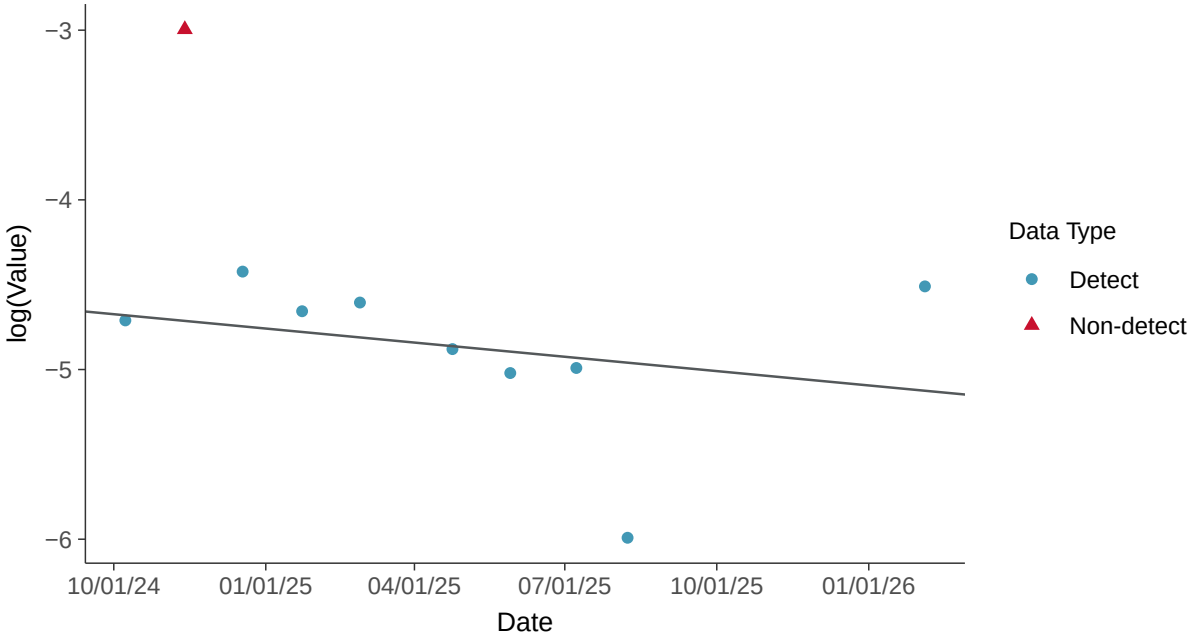
Gamma Q-Q plot using ROS Imputed Estimates

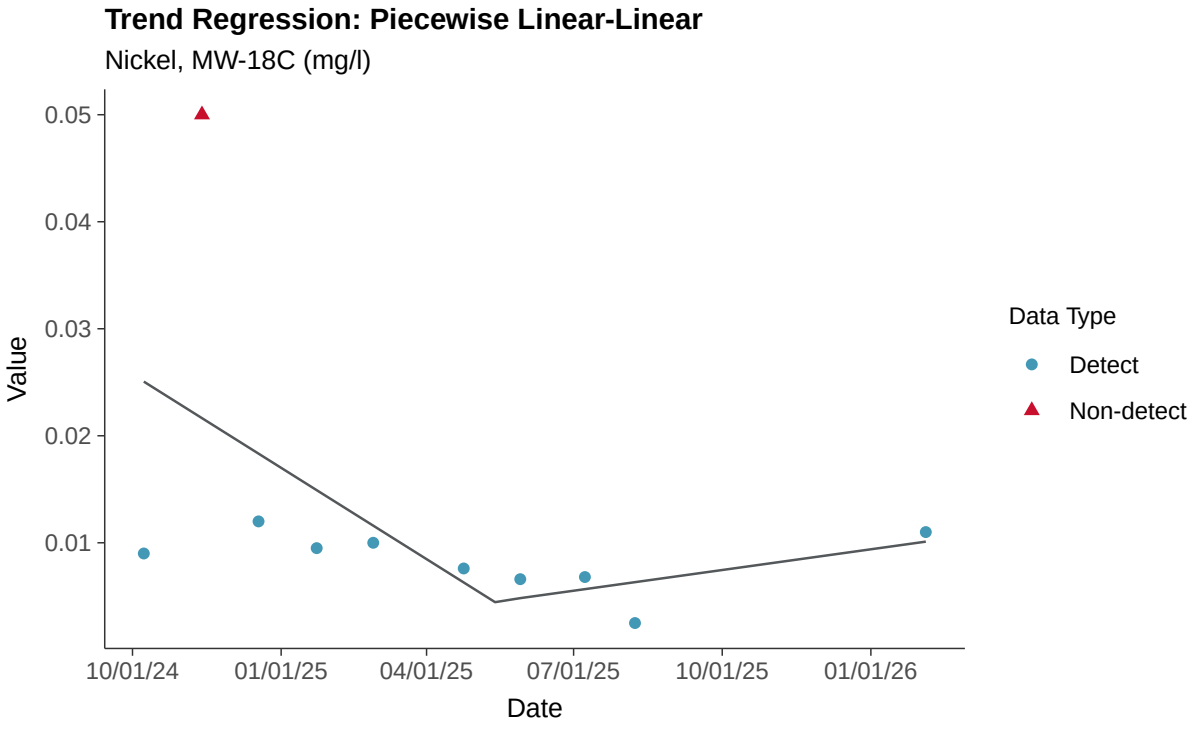
Nickel, MW-18C (mg/l)



Trend Regression: Lognormal MLE

Nickel, MW-18C (mg/l)



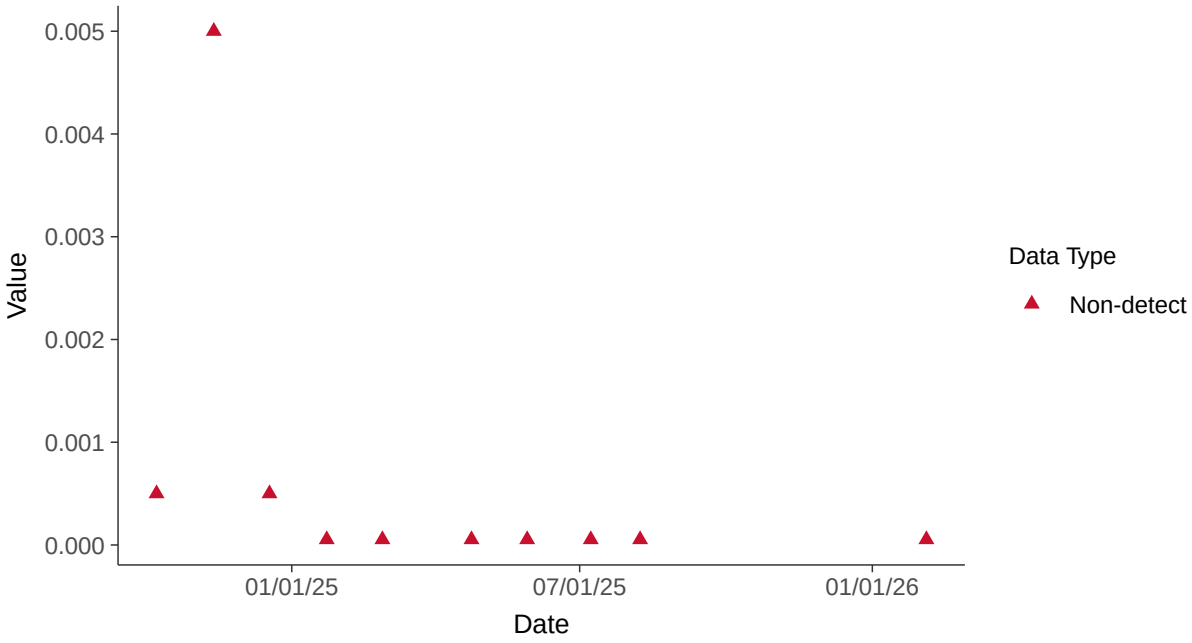

Trend Regression: Piecewise Linear-Linear
Nickel, MW-18C (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Silver, MW-18C

ID: 16_5_123

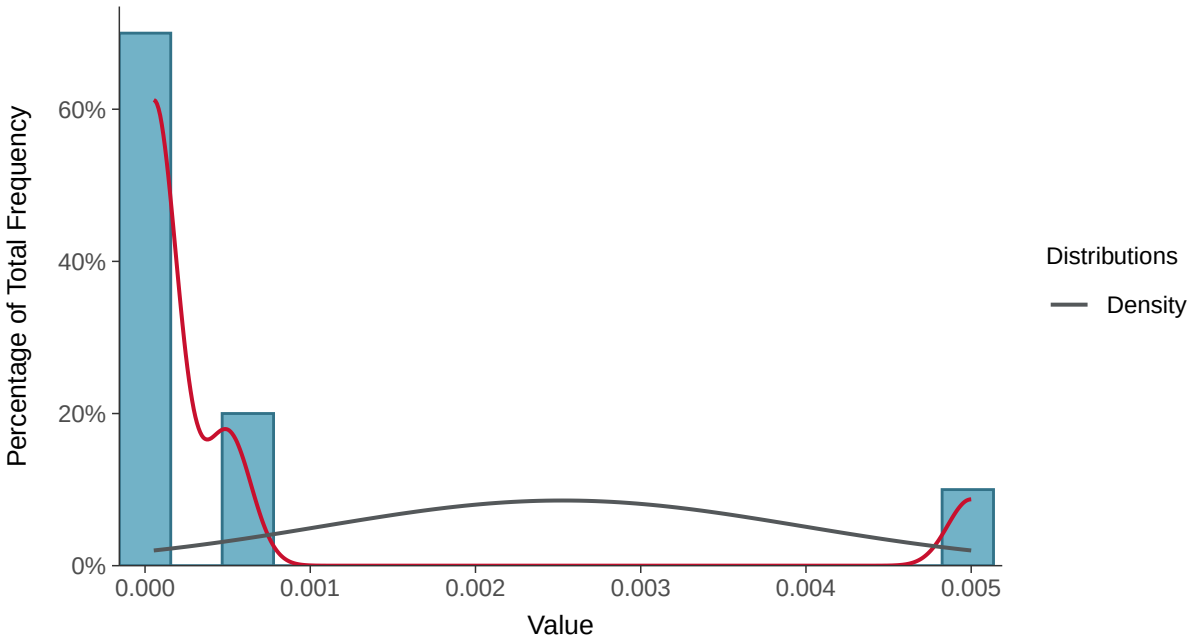
Scatter Plot

Silver, MW-18C (mg/l)



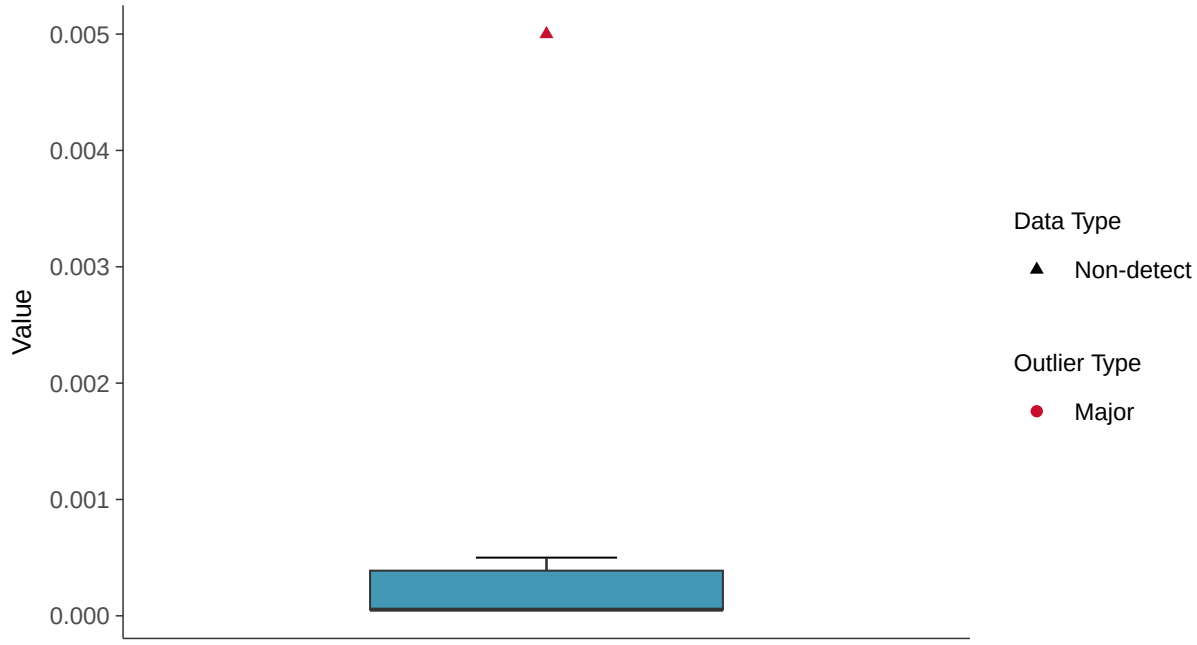
Histogram

Silver, MW-18C (mg/l)



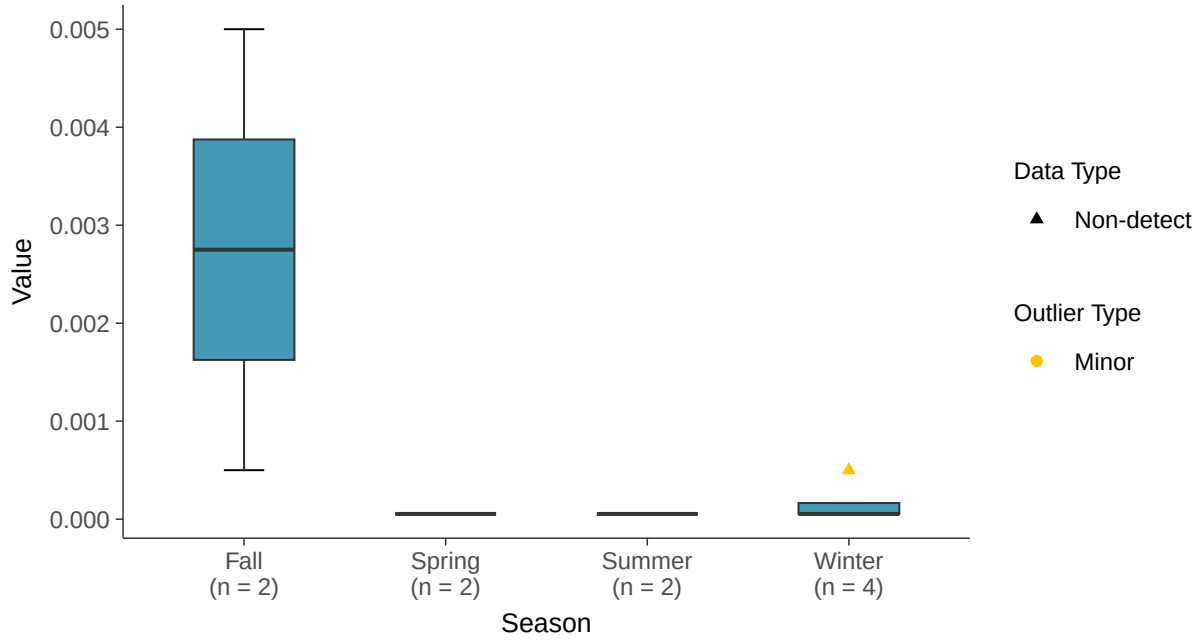
Boxplot

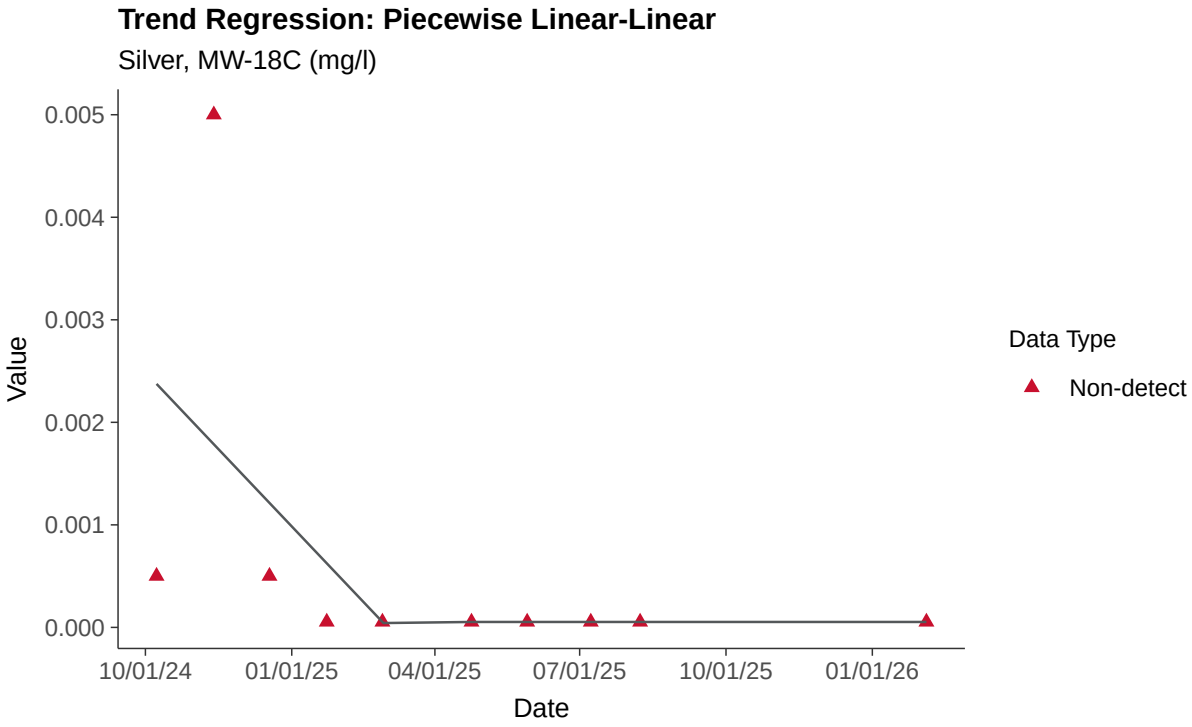
Silver, MW-18C (mg/l)



Boxplot by Season

Silver, MW-18C (mg/l)



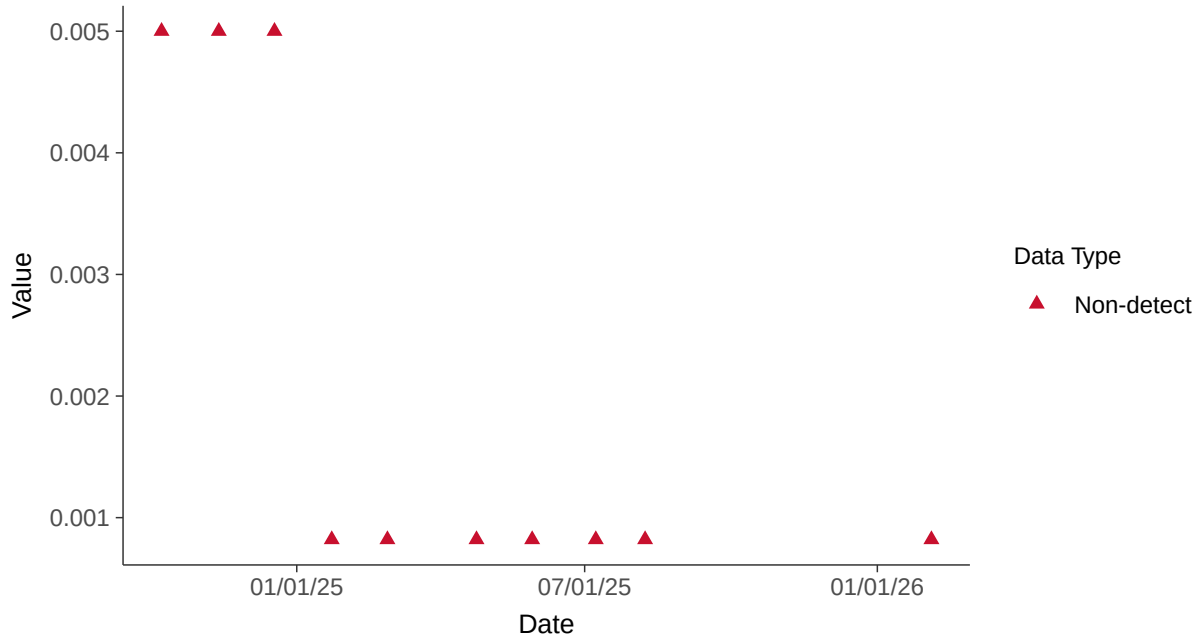

Trend Regression: Piecewise Linear-Linear
Silver, MW-18C (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Vanadium, MW-18C

ID: 16_5_128

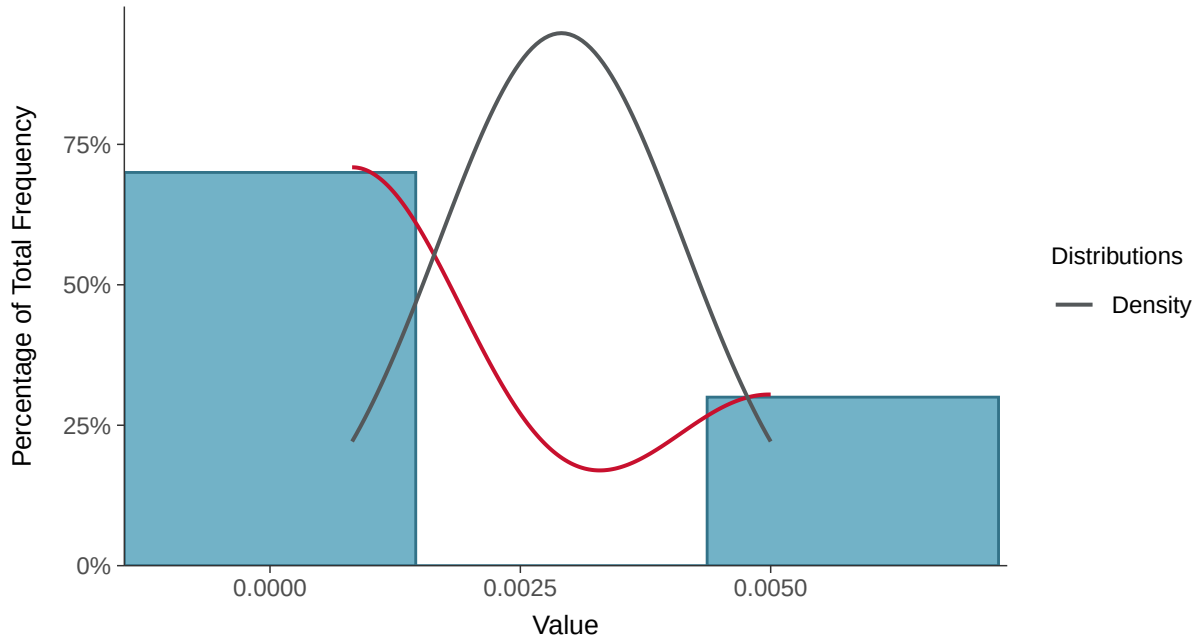
Scatter Plot

Vanadium, MW-18C (mg/l)



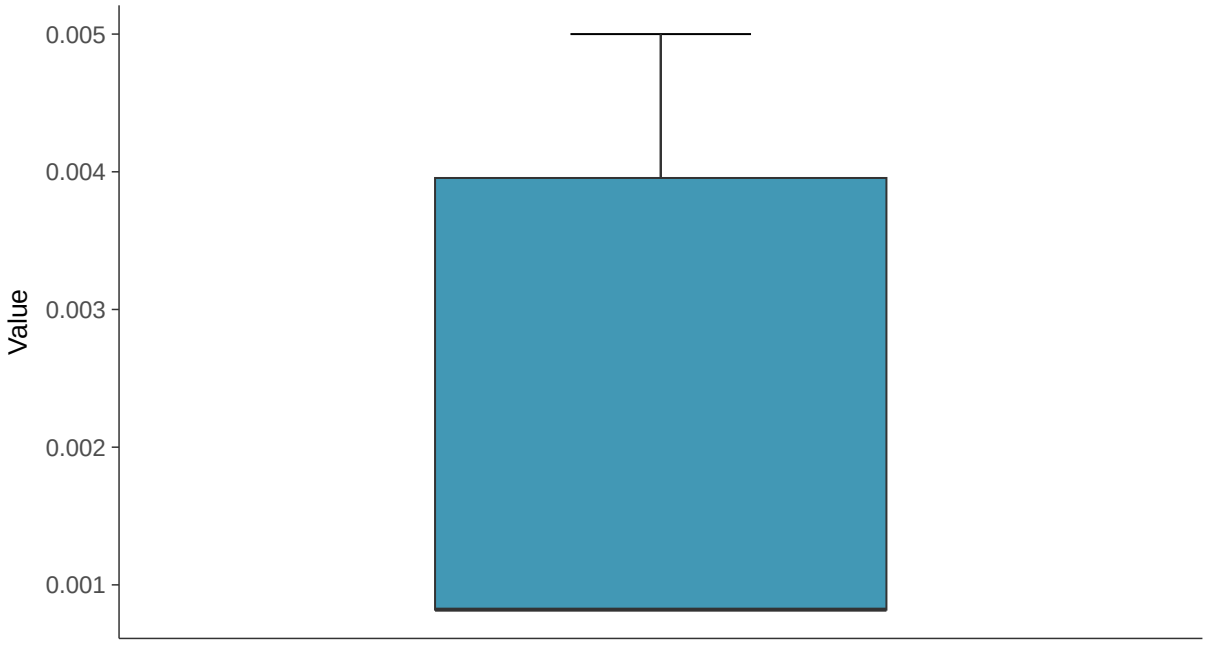
Histogram

Vanadium, MW-18C (mg/l)



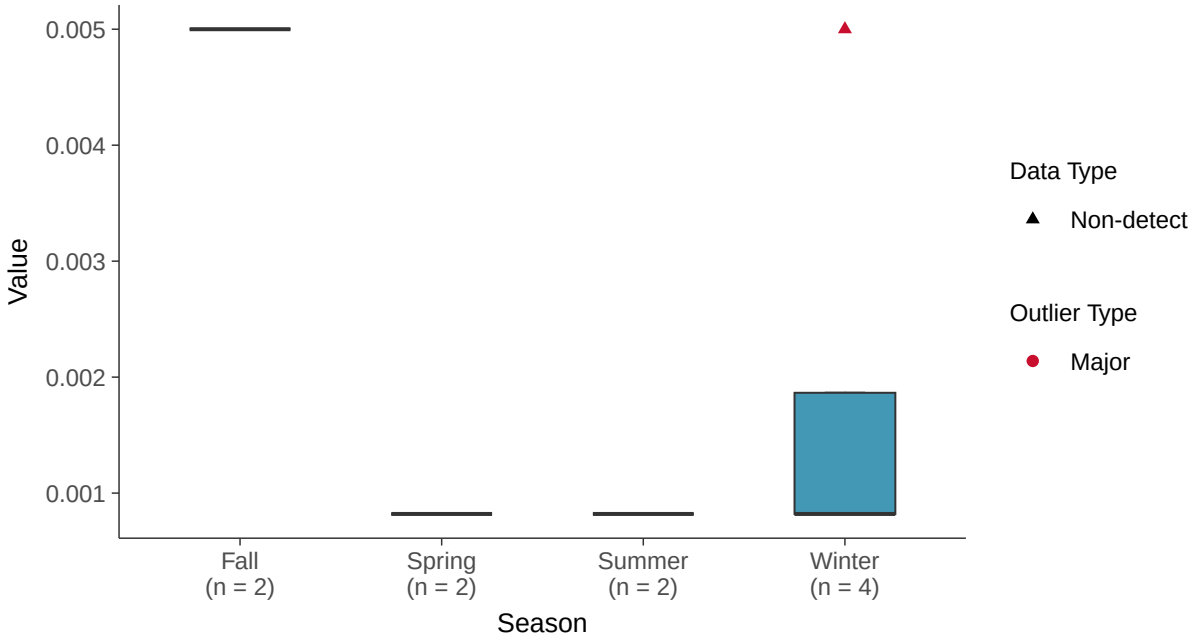
Boxplot

Vanadium, MW-18C (mg/l)



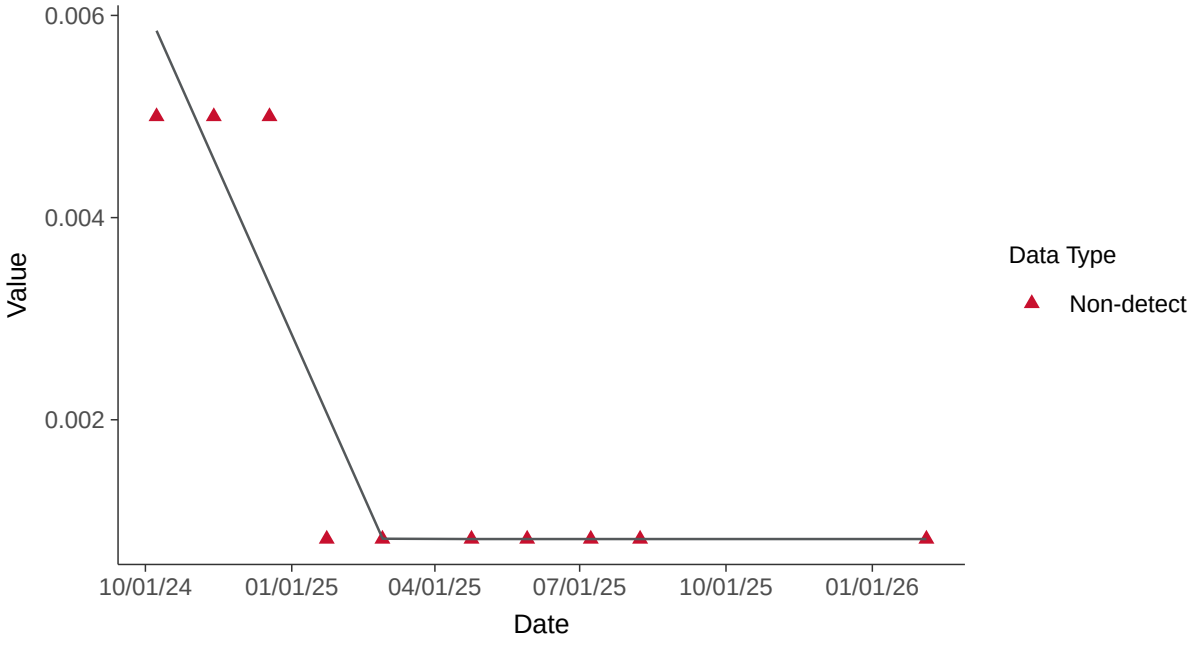
Boxplot by Season

Vanadium, MW-18C (mg/l)



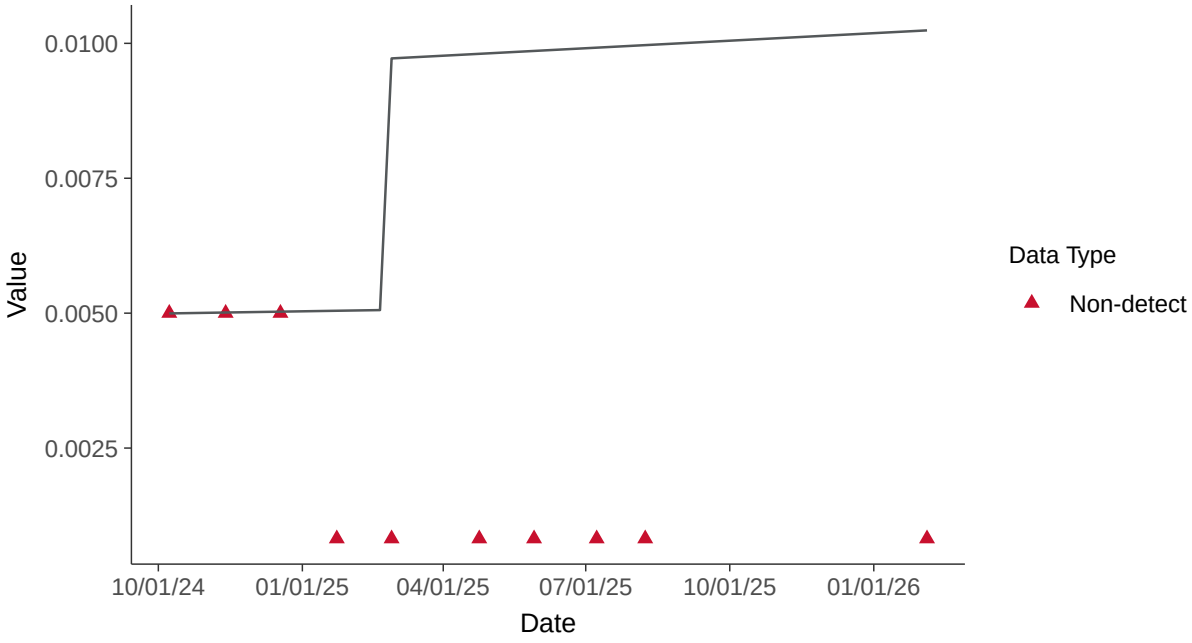
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-18C (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Vanadium, MW-18C (mg/l)

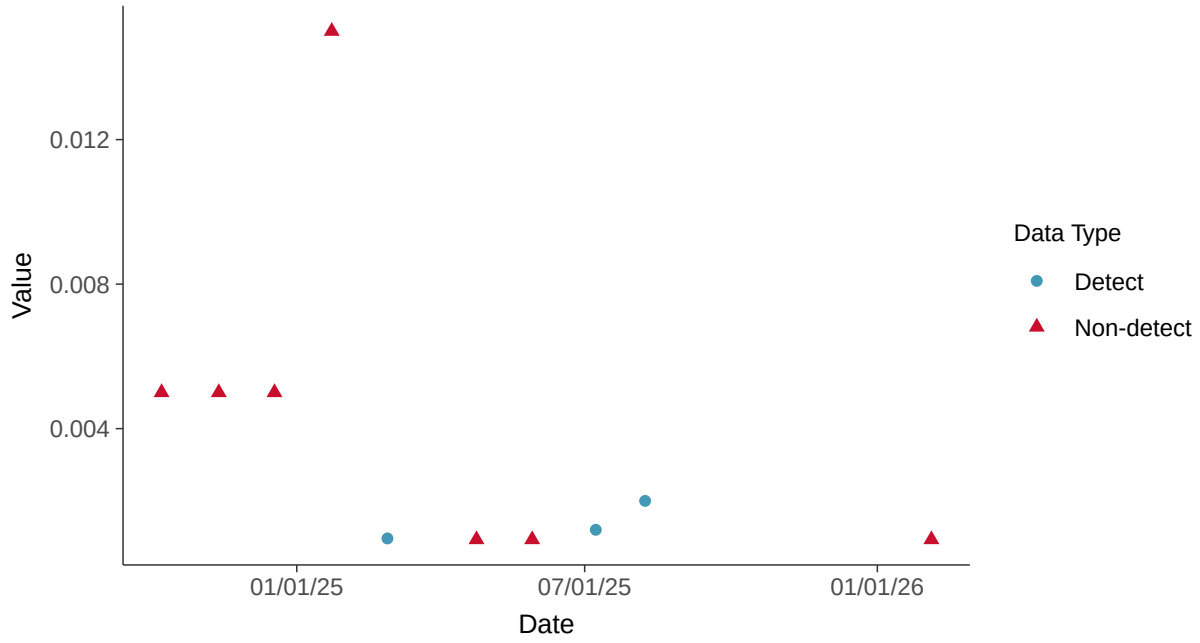


Part 115: Zinc, MW-18C

ID: 16_5_129

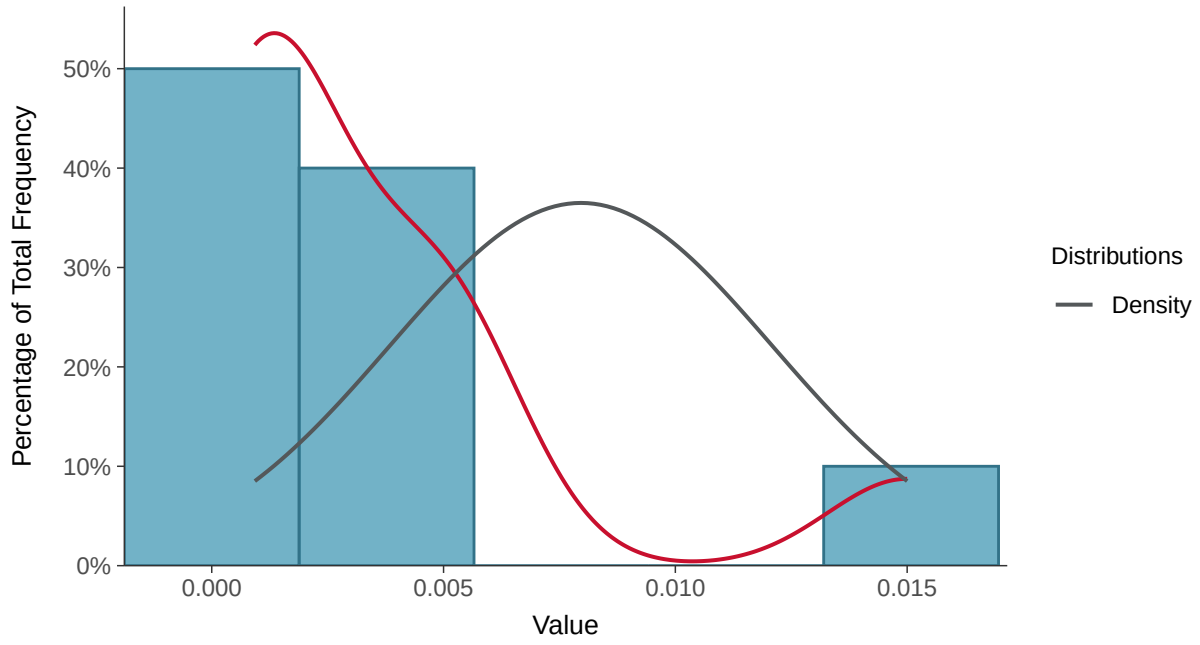
Scatter Plot

Zinc, MW-18C (mg/l)



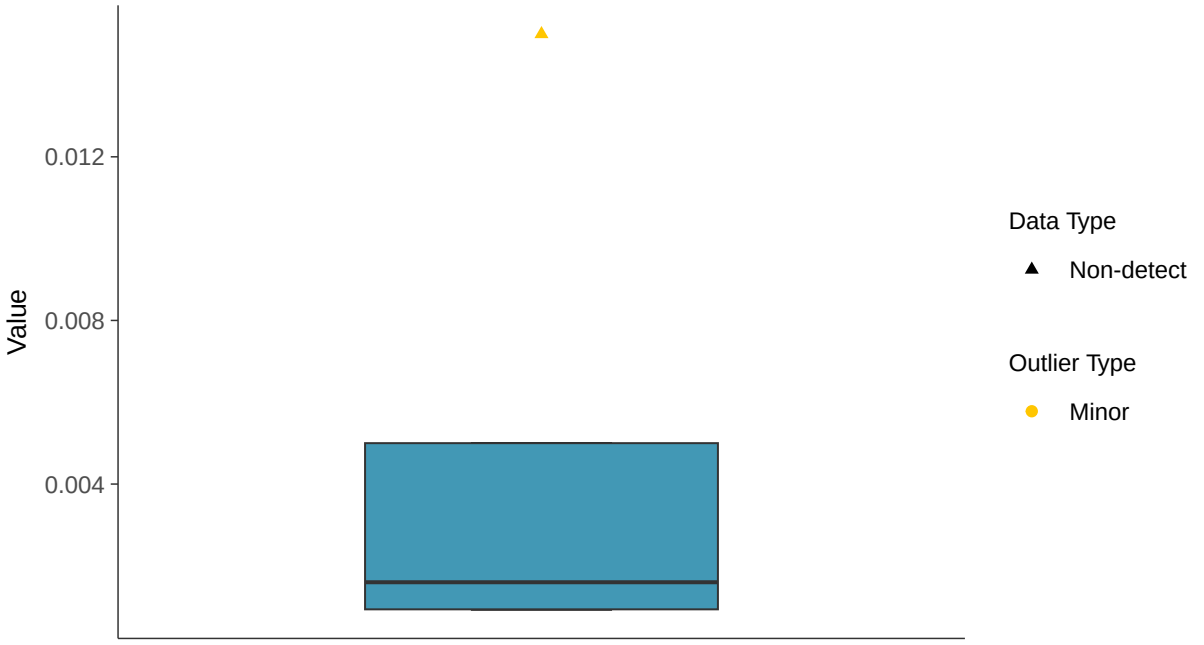
Histogram

Zinc, MW-18C (mg/l)



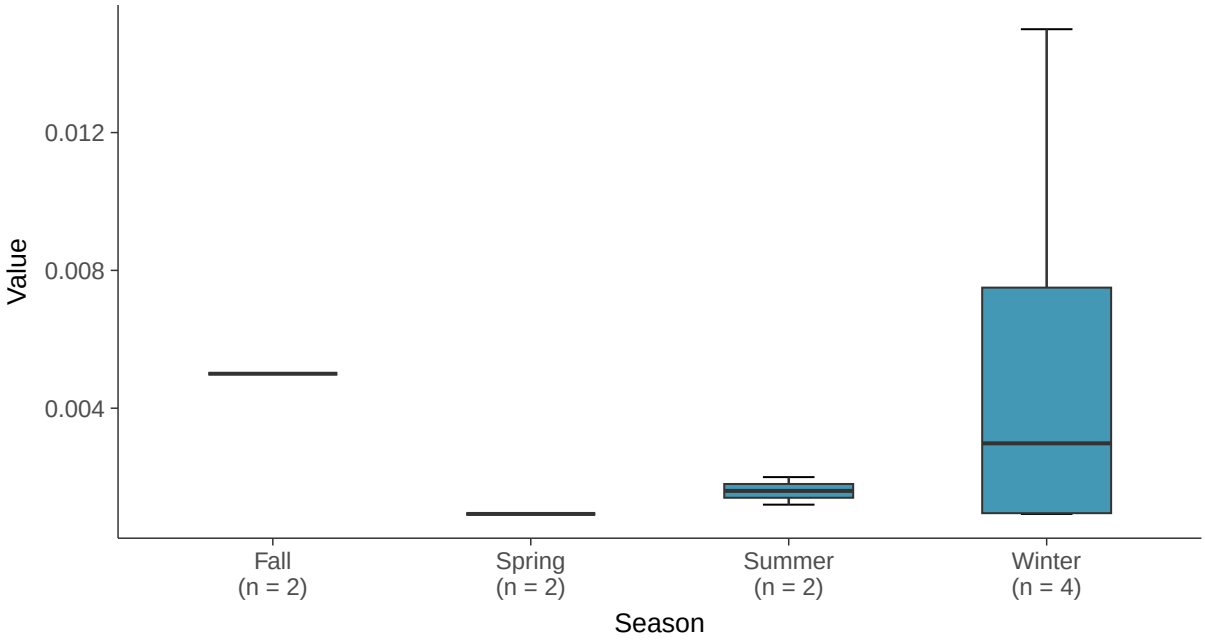
Boxplot

Zinc, MW-18C (mg/l)



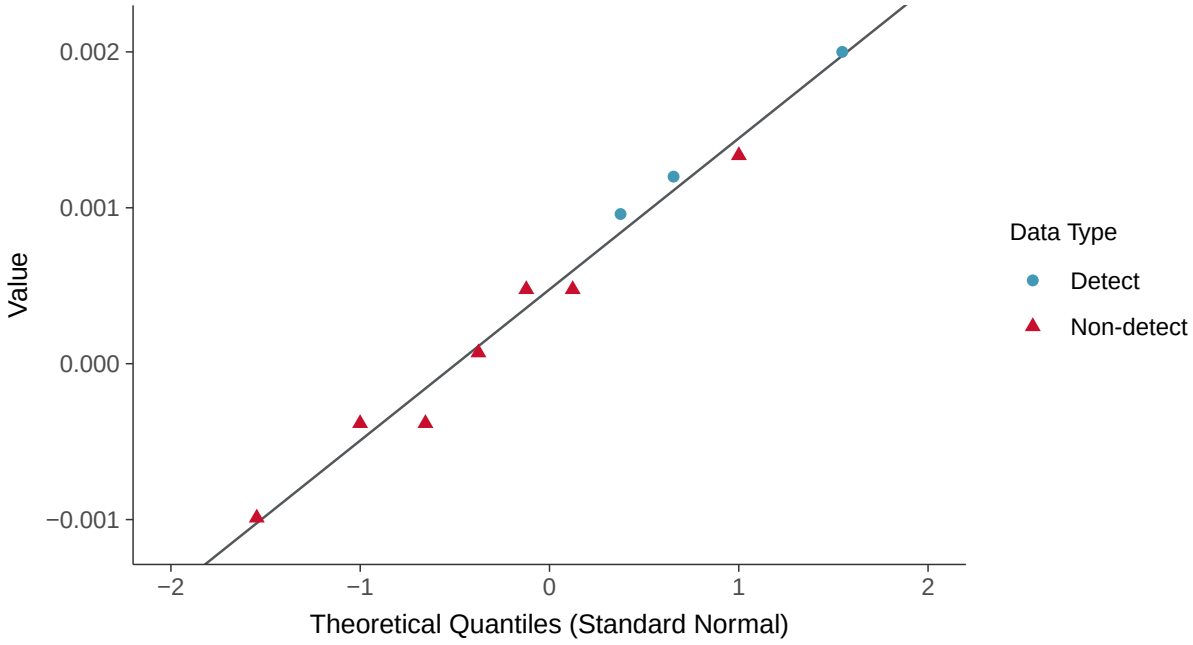
Boxplot by Season

Zinc, MW-18C (mg/l)



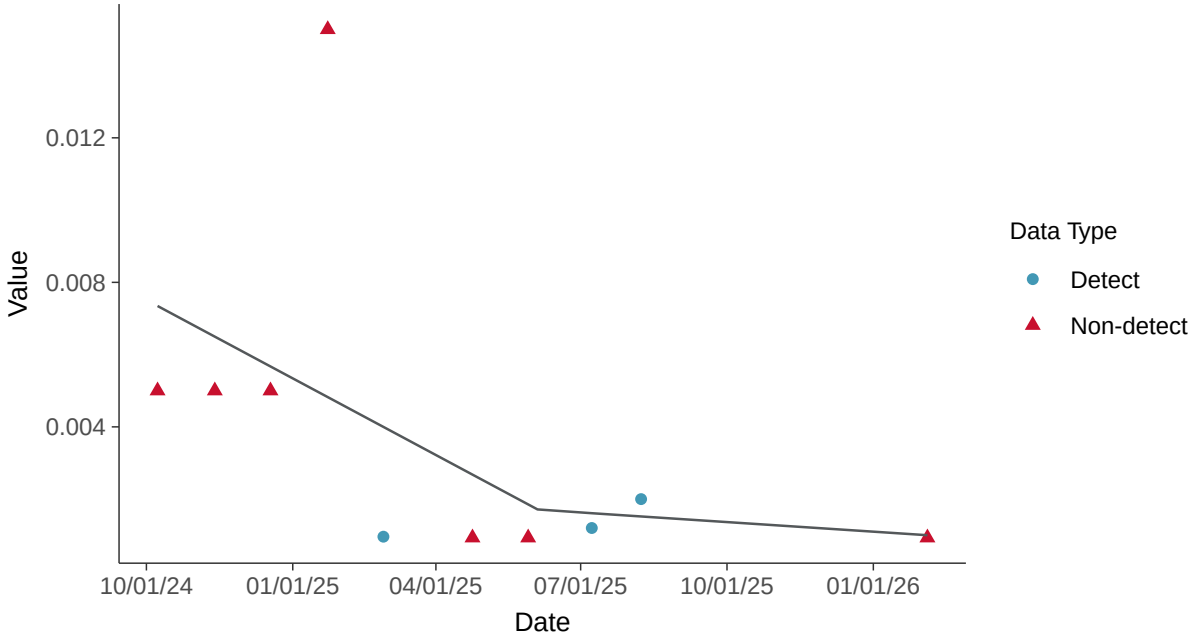
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-18C (mg/l)



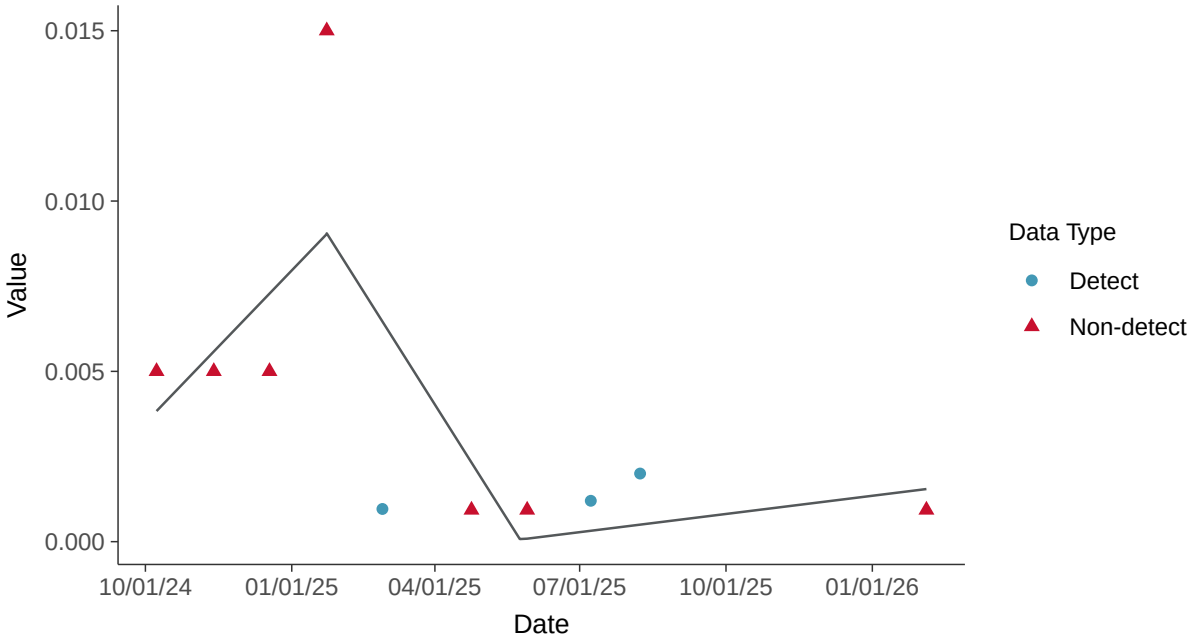
Trend Regression: Piecewise Linear-Linear

Zinc, MW-18C (mg/l)



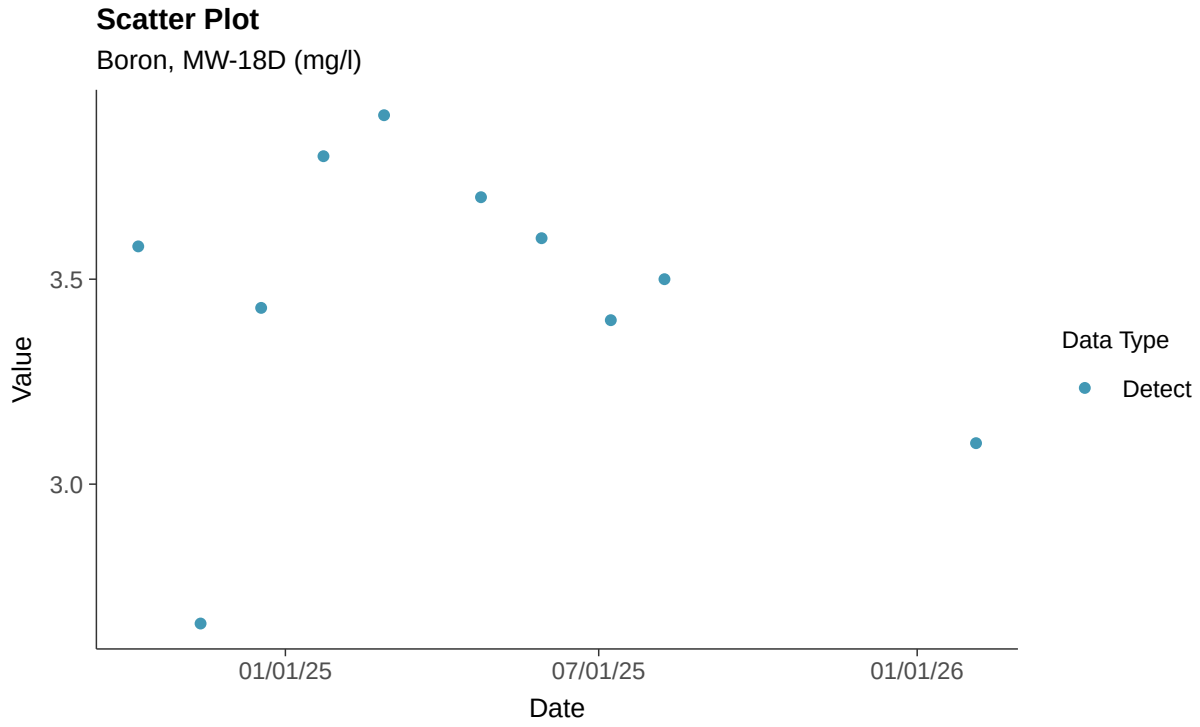
Trend Regression: Piecewise Linear-Linear-Linear

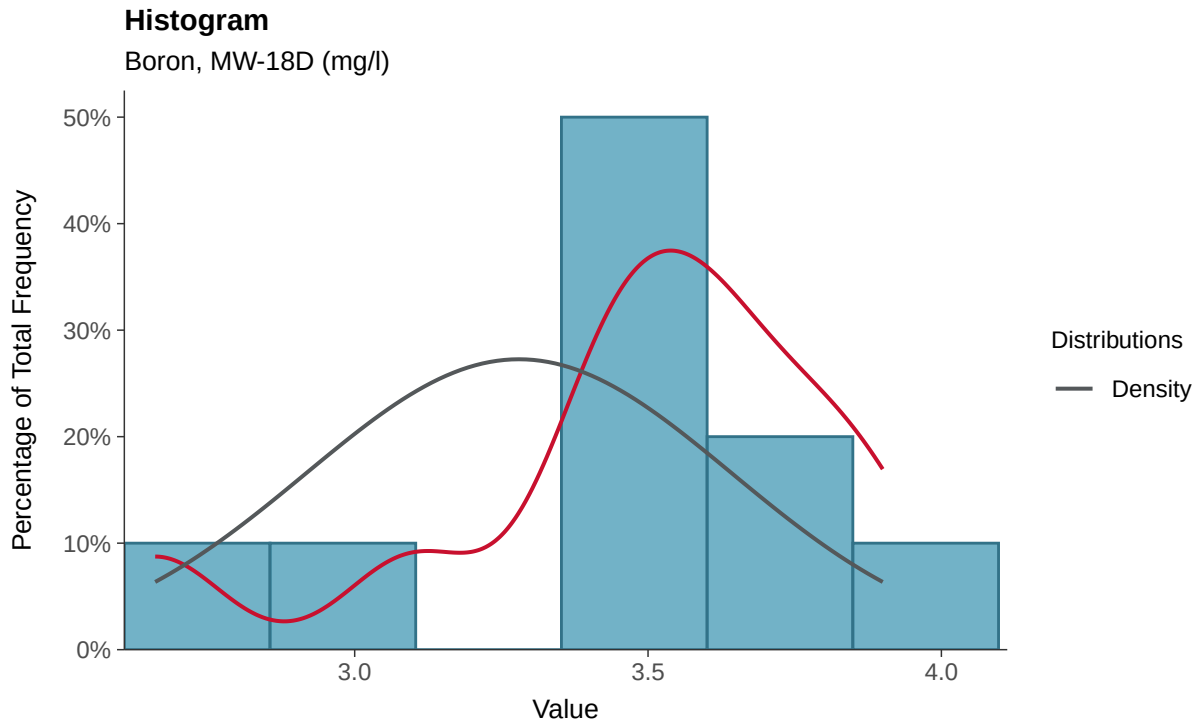
Zinc, MW-18C (mg/l)



Appendix III: Boron, MW-18D

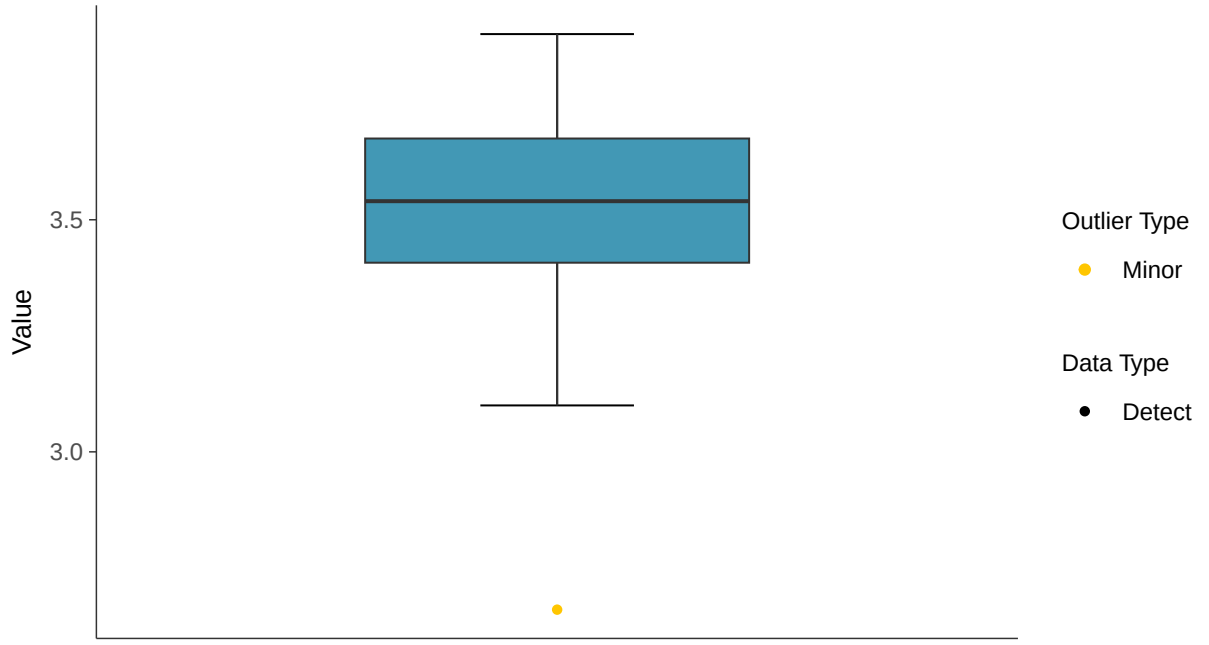
ID: 17_2_105





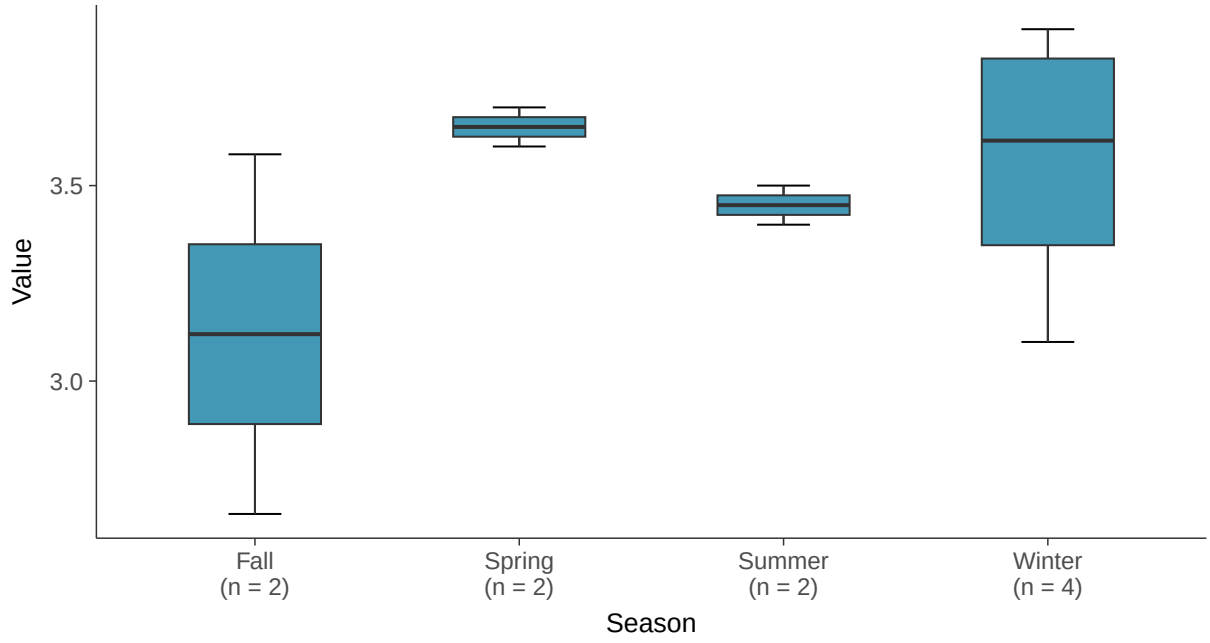
Boxplot

Boron, MW-18D (mg/l)



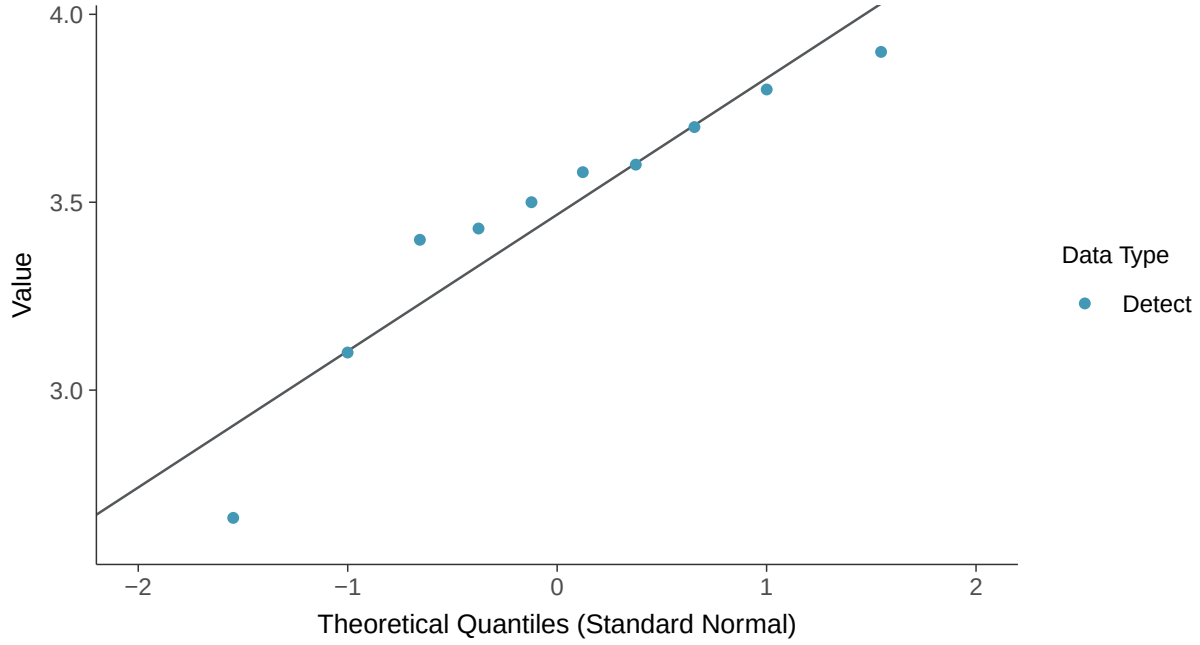
Boxplot by Season

Boron, MW-18D (mg/l)



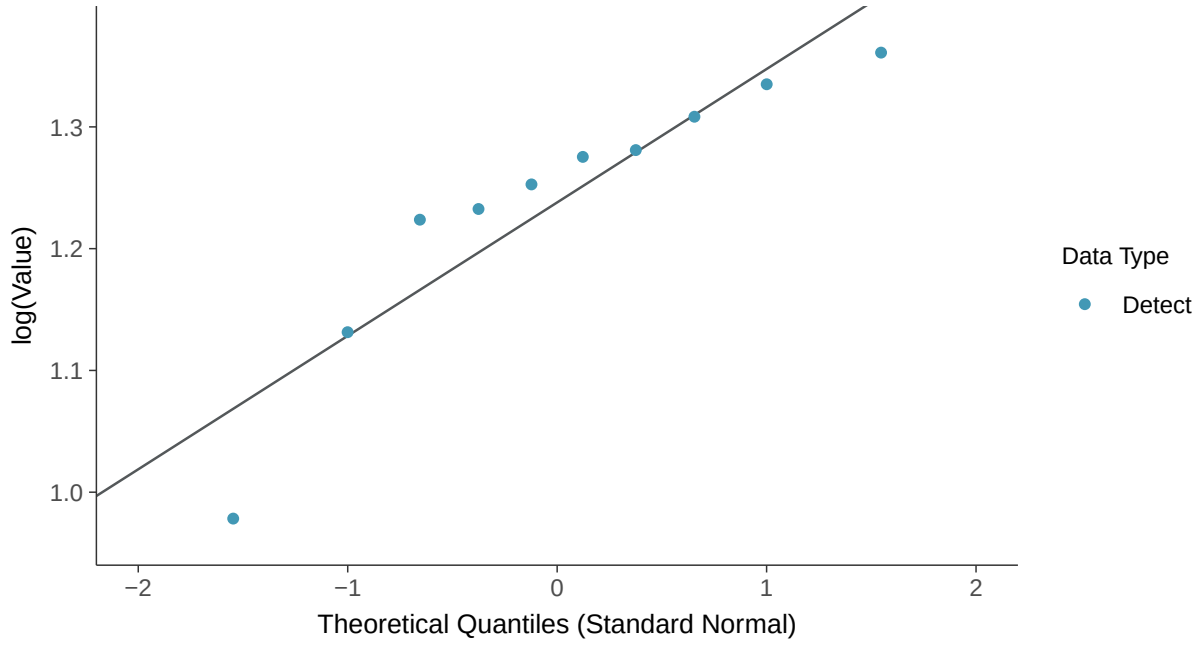
Normal Q-Q plot

Boron, MW-18D (mg/l)



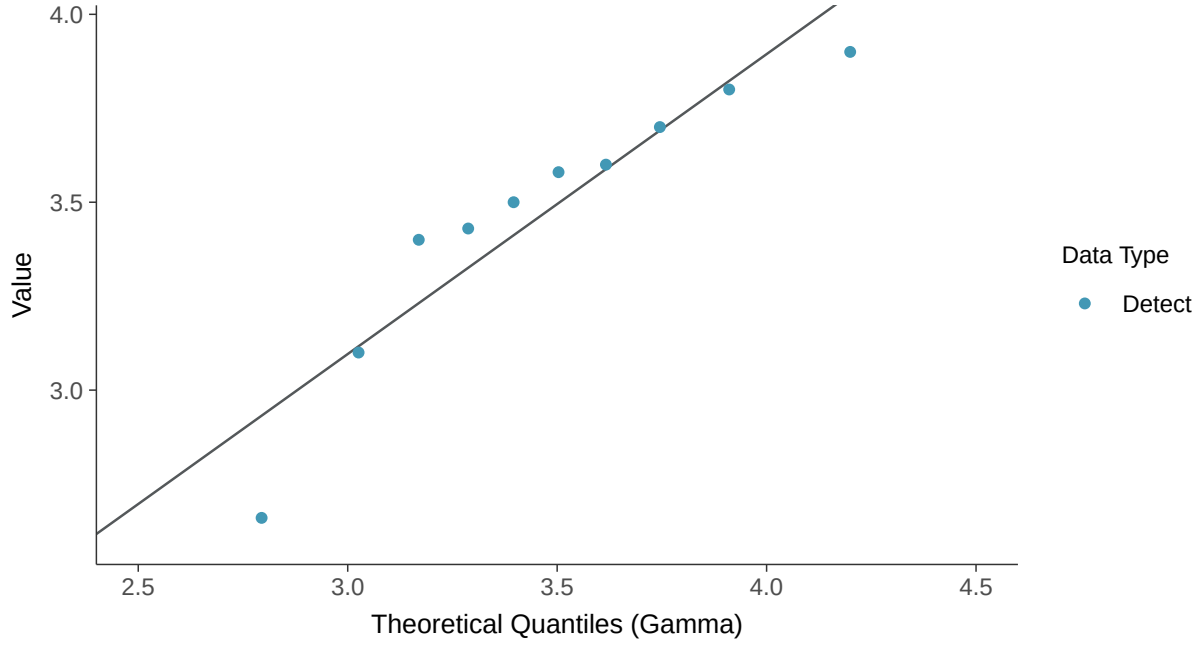
Lognormal Q-Q plot

Boron, MW-18D (mg/l)



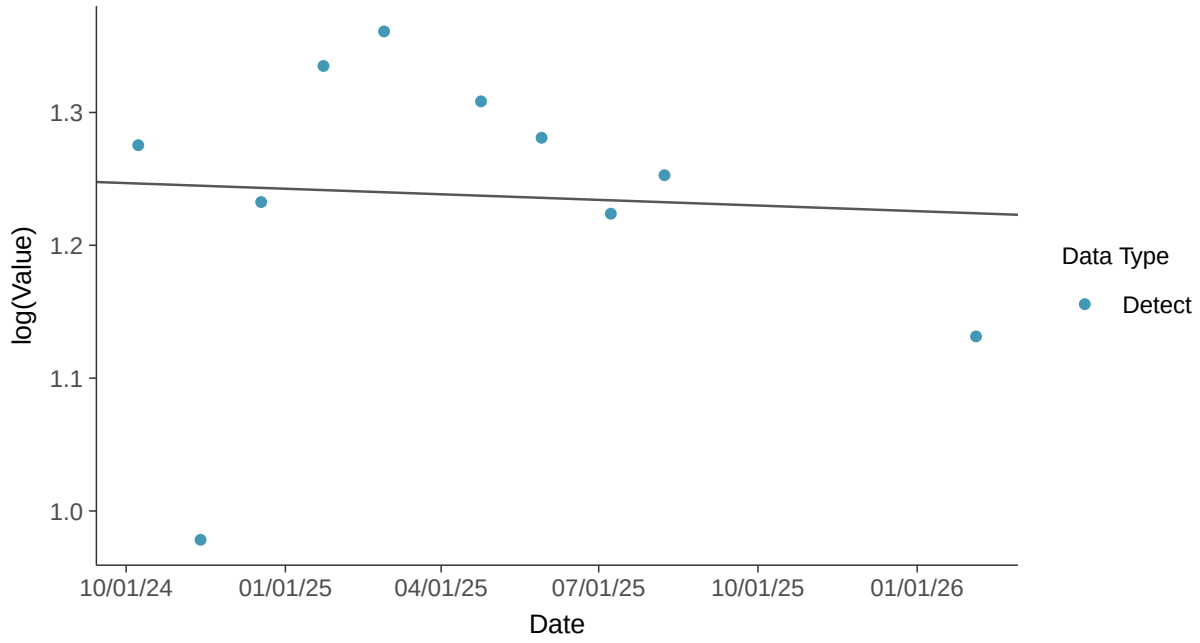
Gamma Q-Q plot

Boron, MW-18D (mg/l)



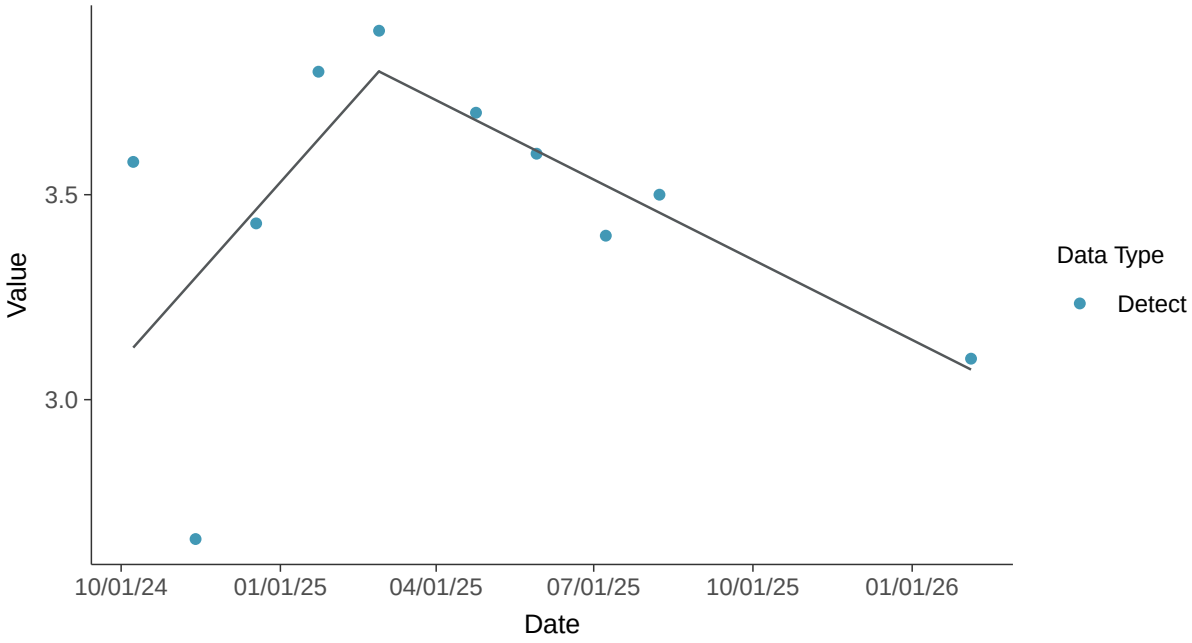
Trend Regression: Lognormal MLE

Boron, MW-18D (mg/l)



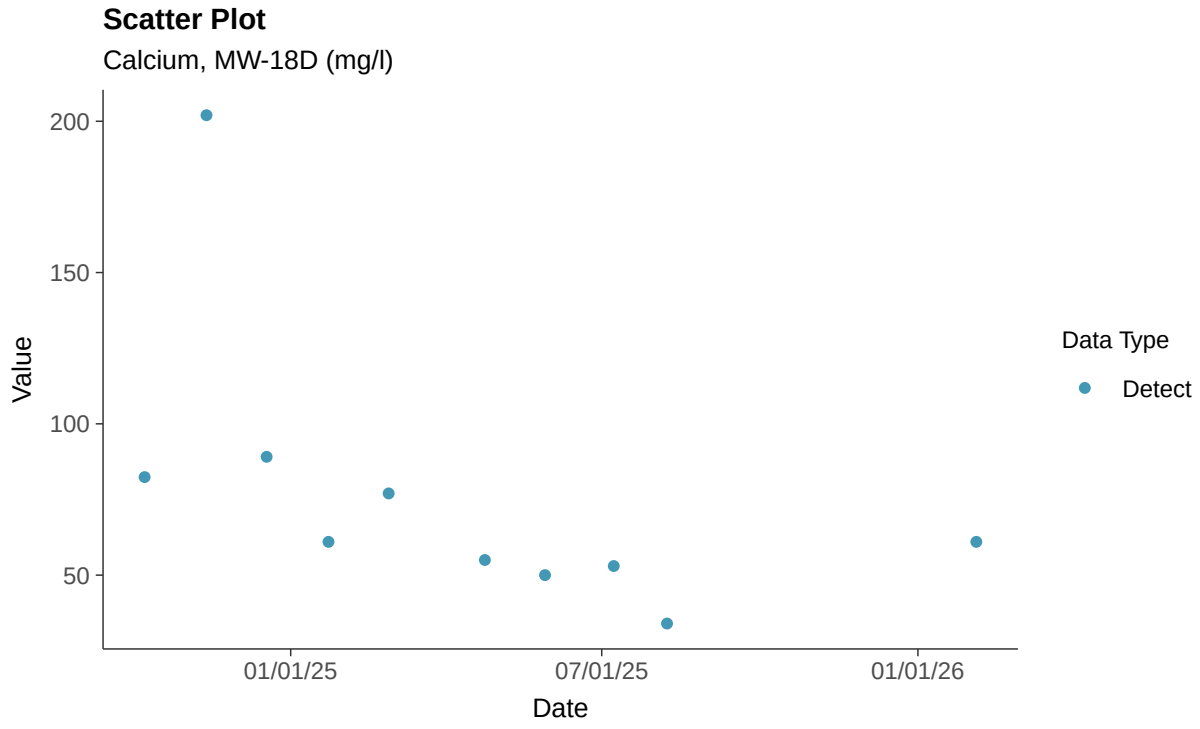
Trend Regression: Piecewise Linear-Linear

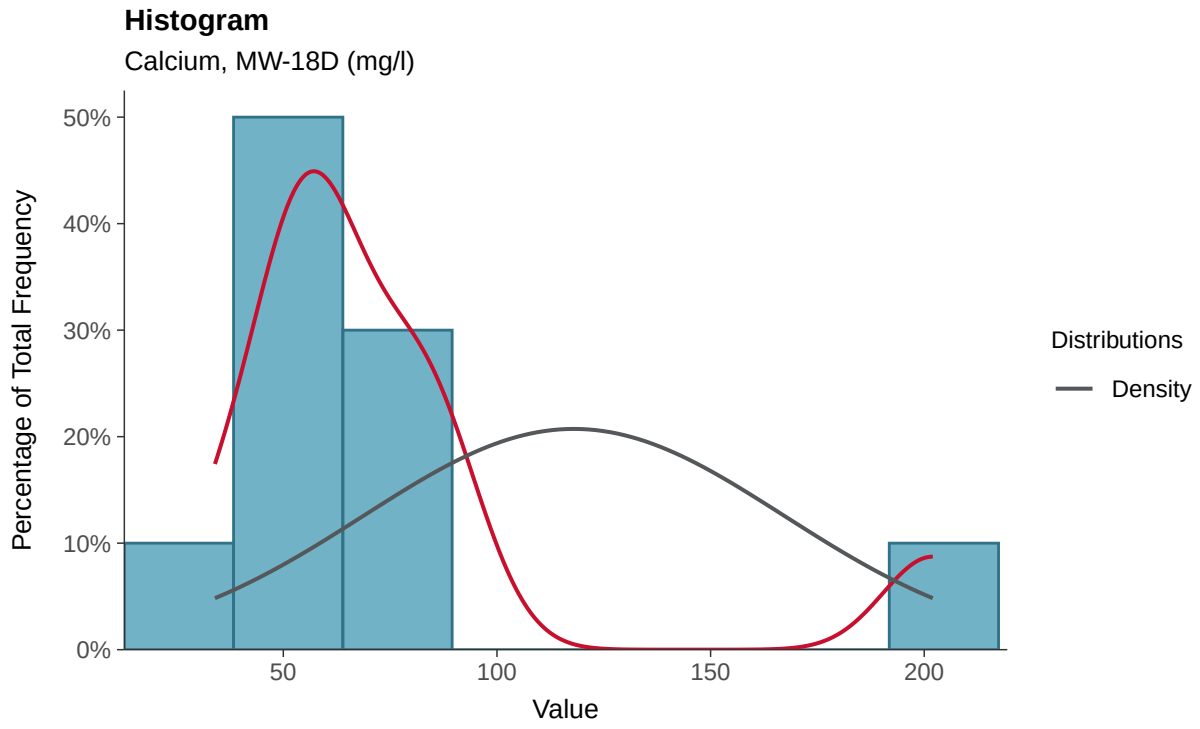
Boron, MW-18D (mg/l)



Appendix III: Calcium, MW-18D

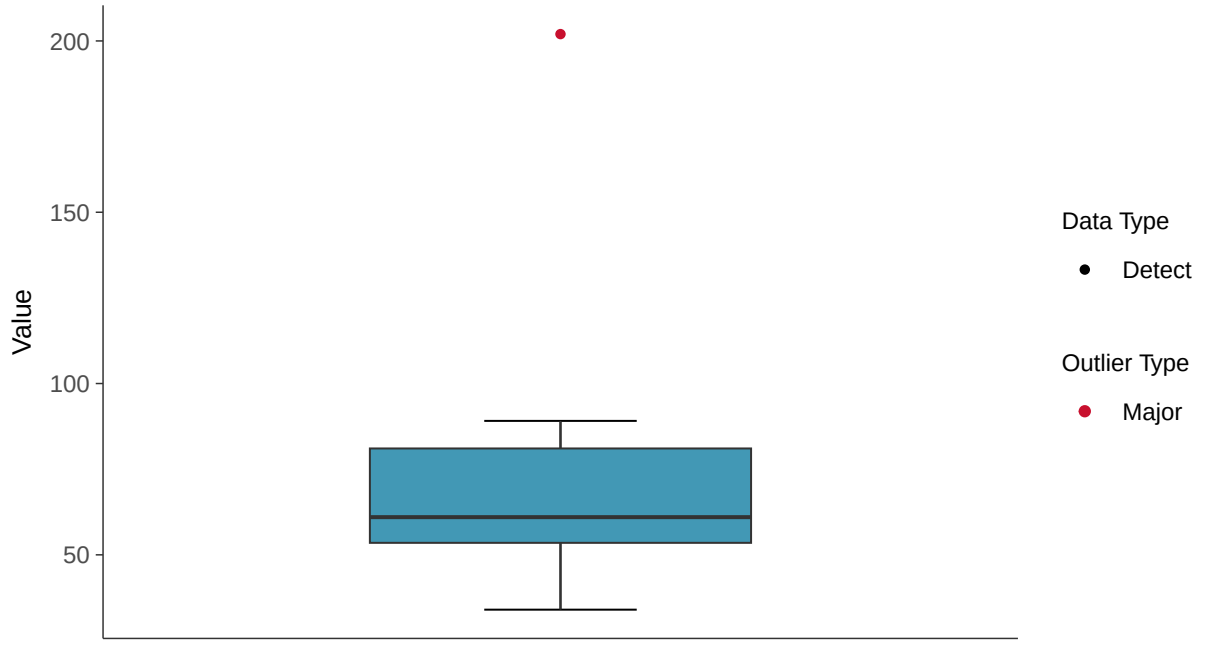
ID: 17_2_107





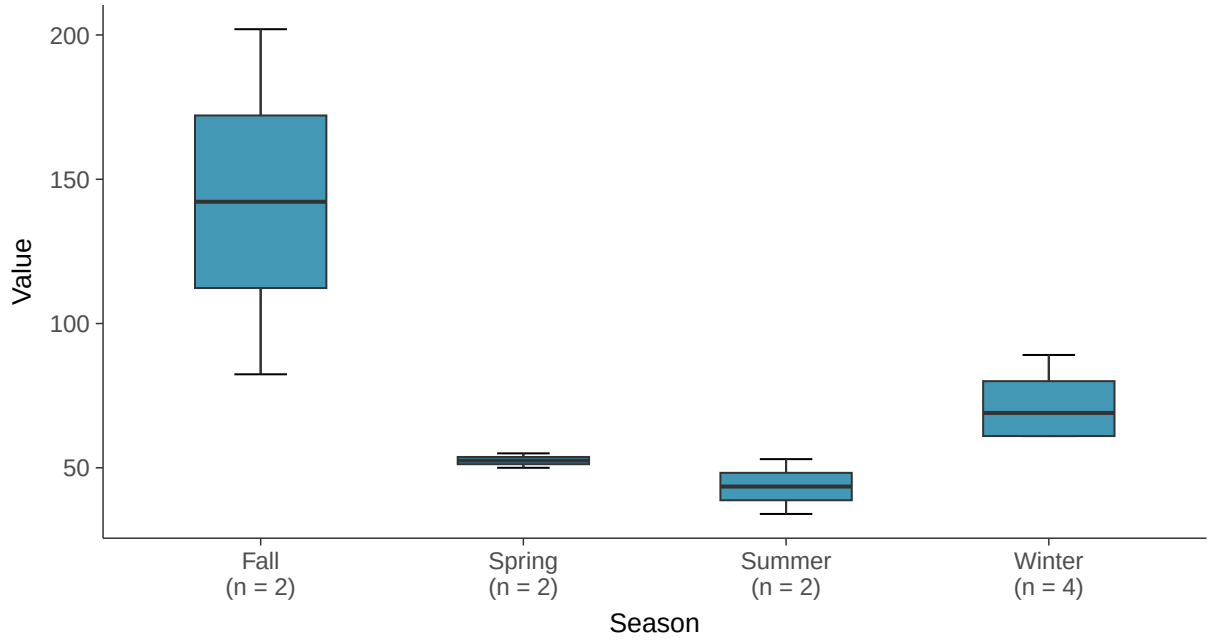
Boxplot

Calcium, MW-18D (mg/l)



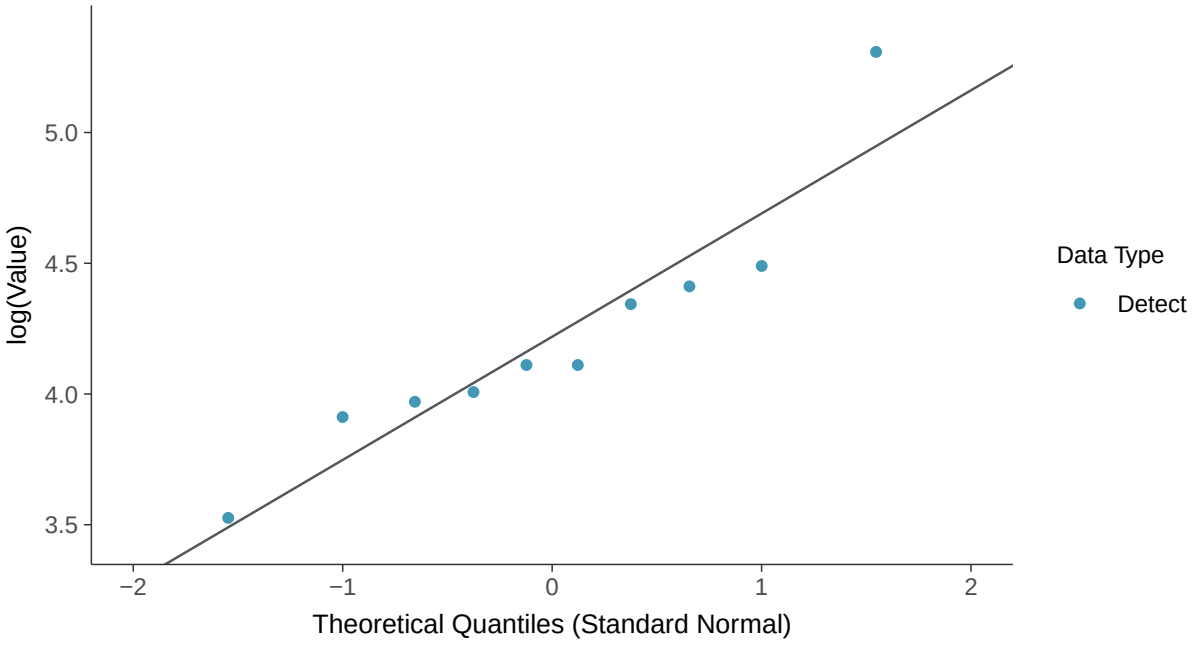
Boxplot by Season

Calcium, MW-18D (mg/l)



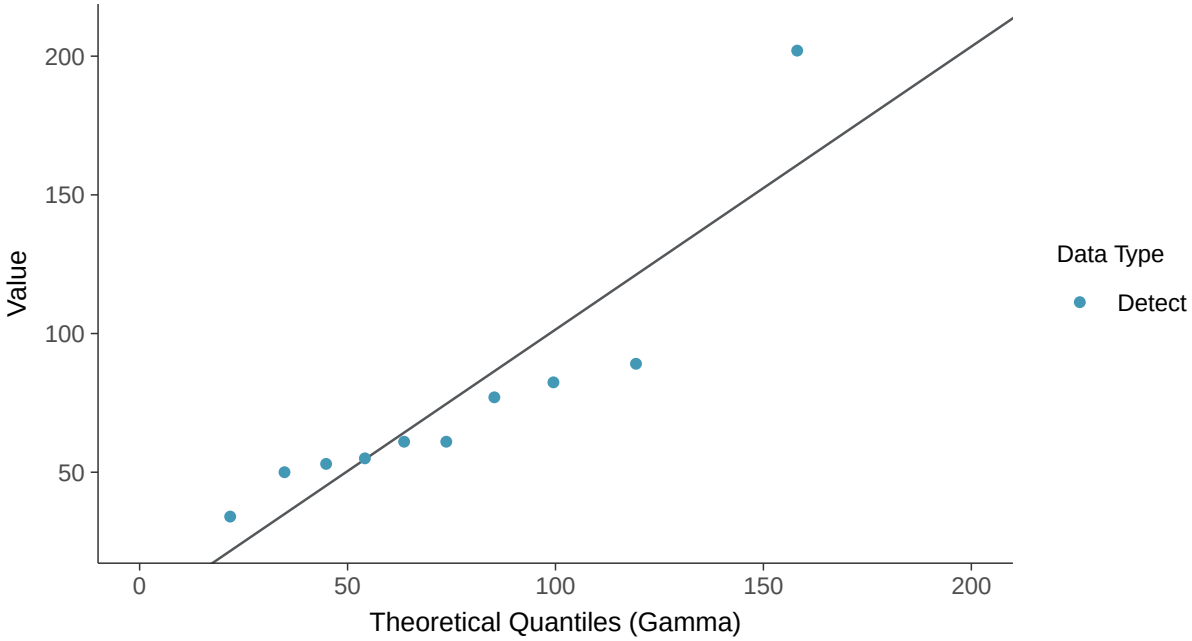
Lognormal Q-Q plot

Calcium, MW-18D (mg/l)



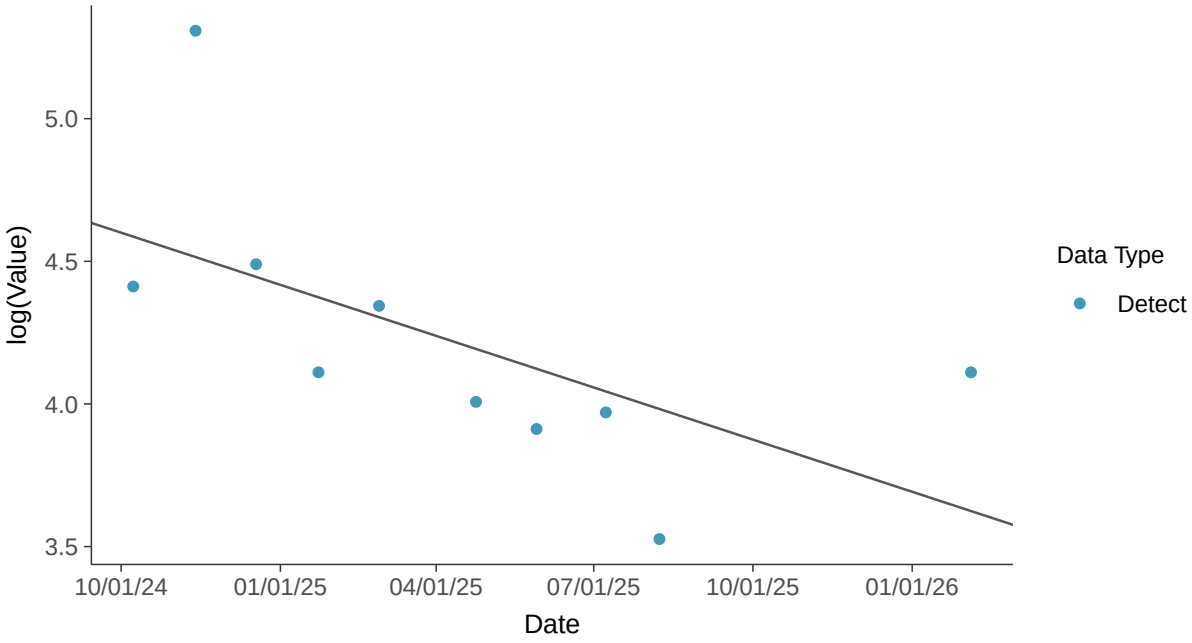
Gamma Q-Q plot

Calcium, MW-18D (mg/l)



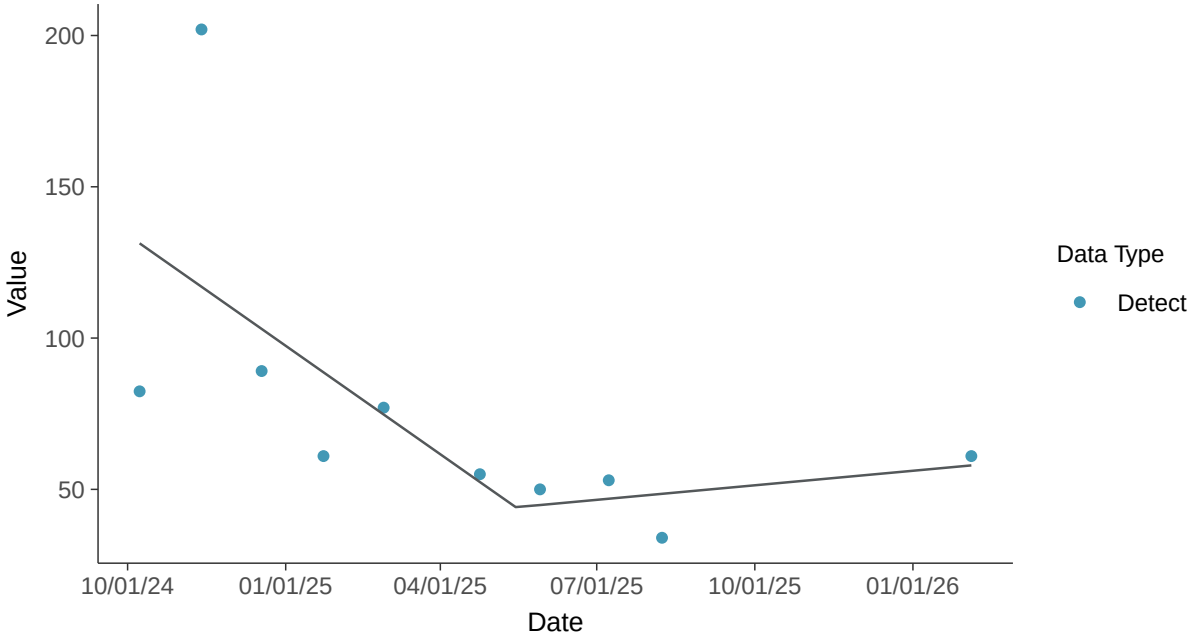
Trend Regression: Lognormal MLE

Calcium, MW-18D (mg/l)



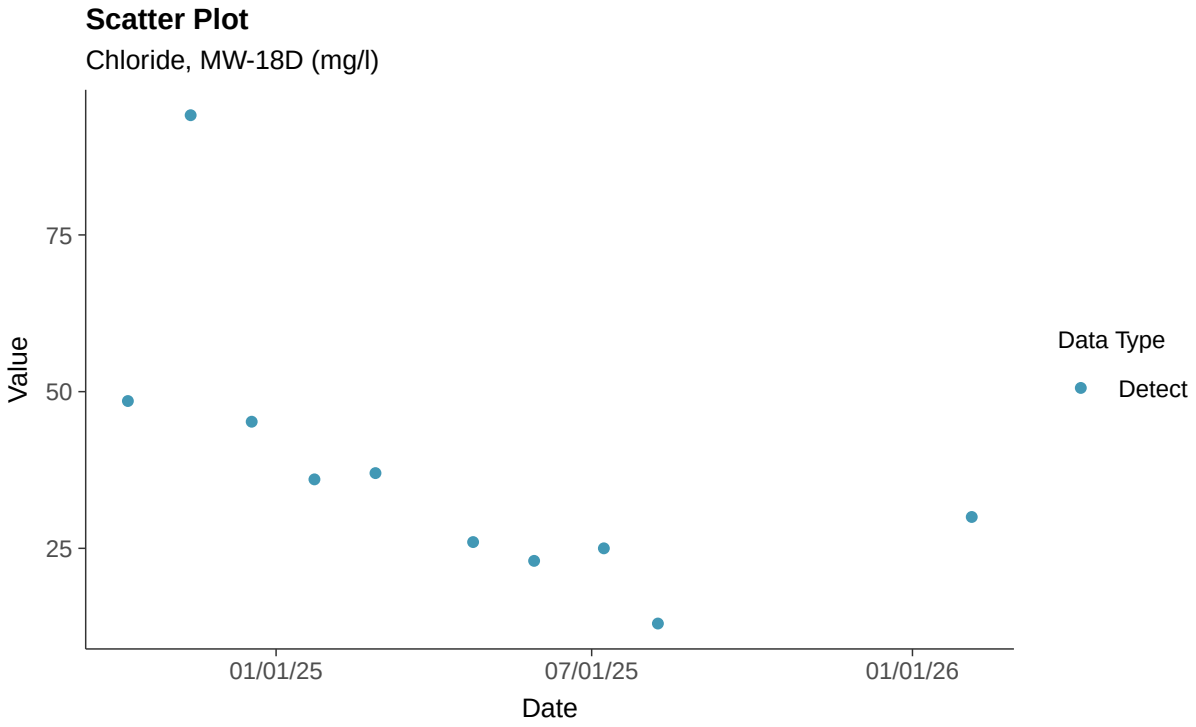
Trend Regression: Piecewise Linear-Linear

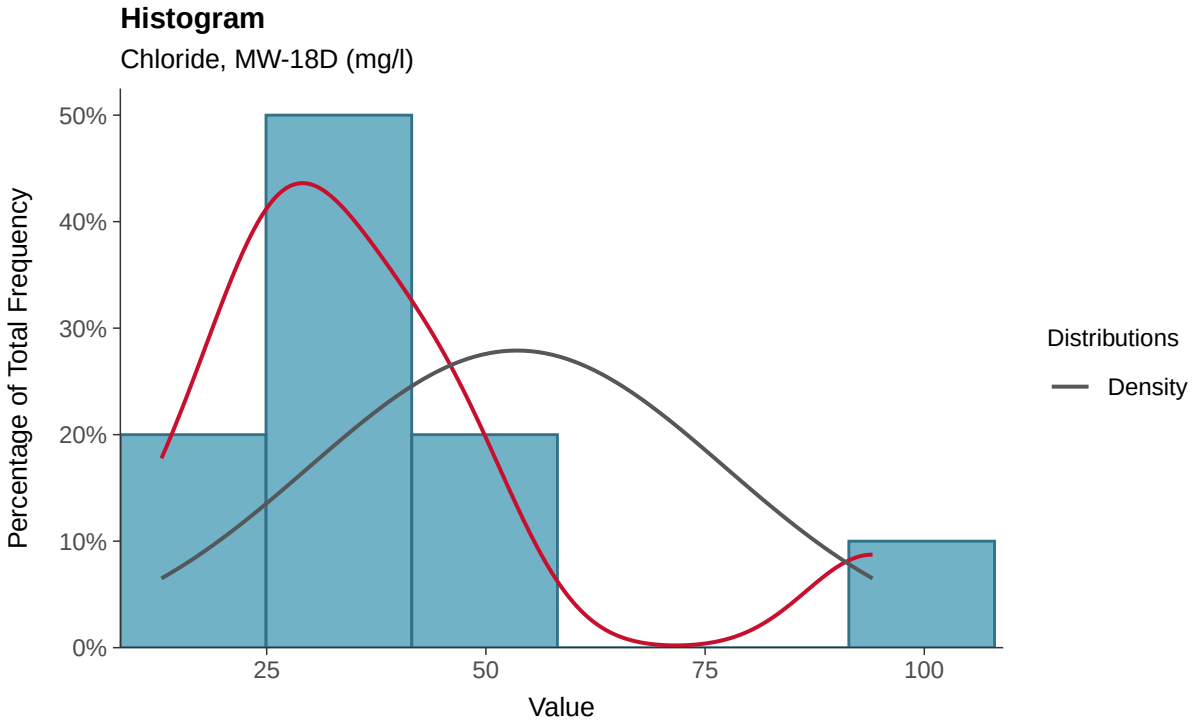
Calcium, MW-18D (mg/l)



Appendix III: Chloride, MW-18D

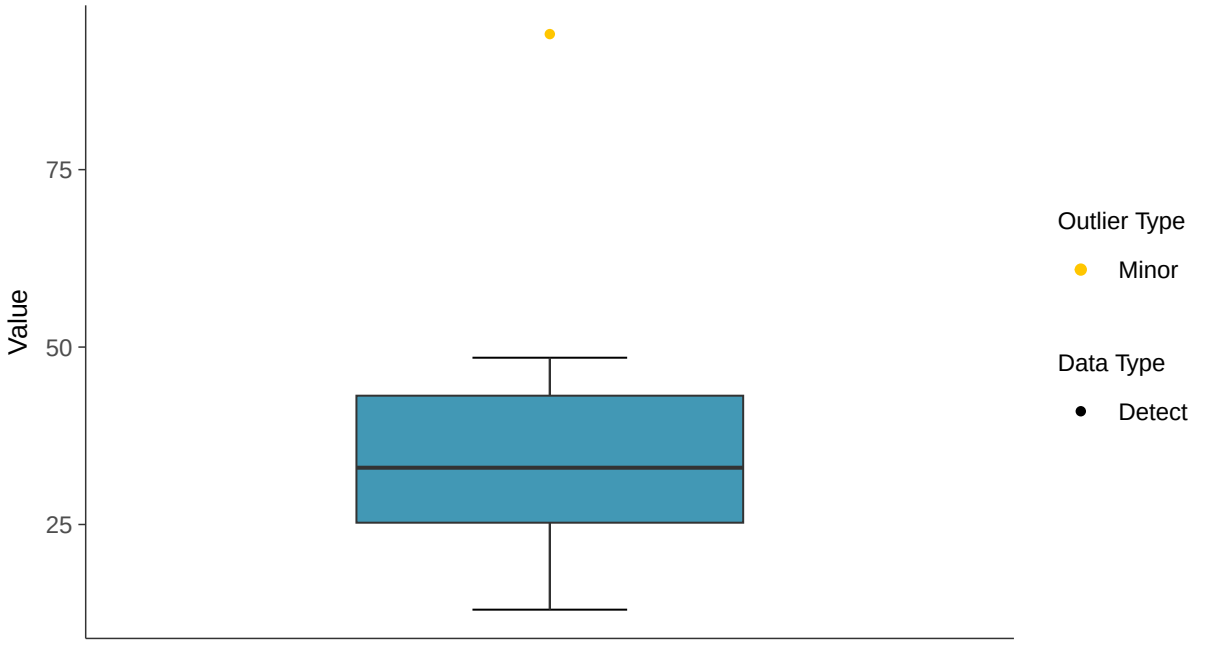
ID: 17_2_108





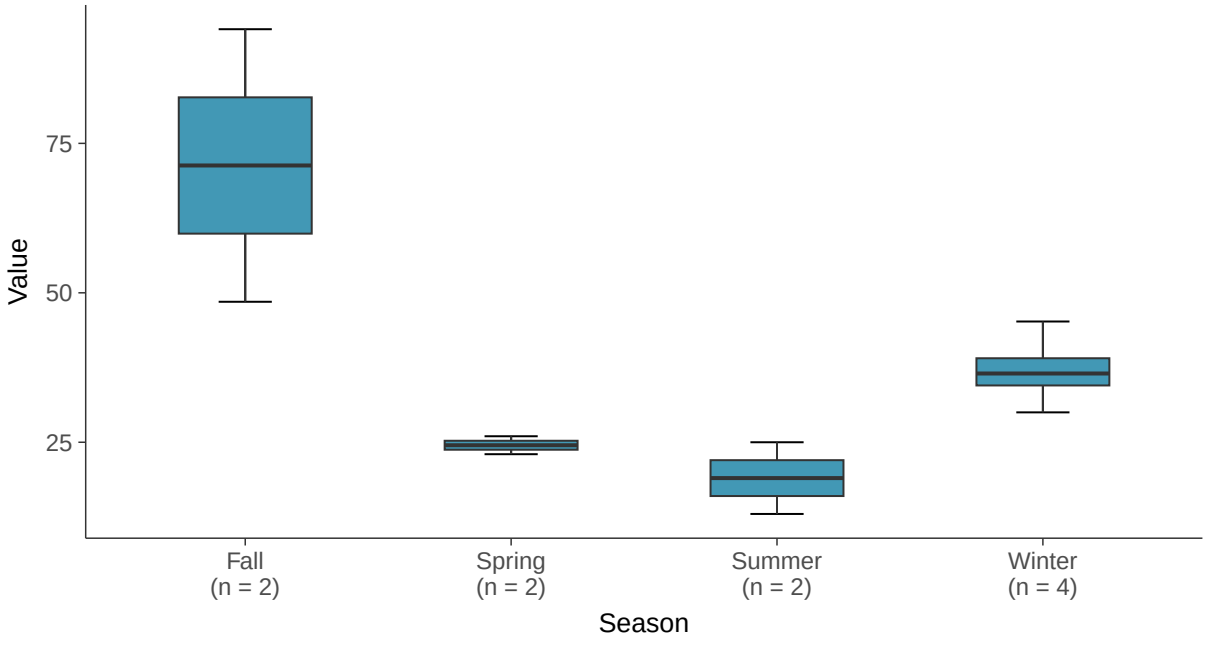
Boxplot

Chloride, MW-18D (mg/l)



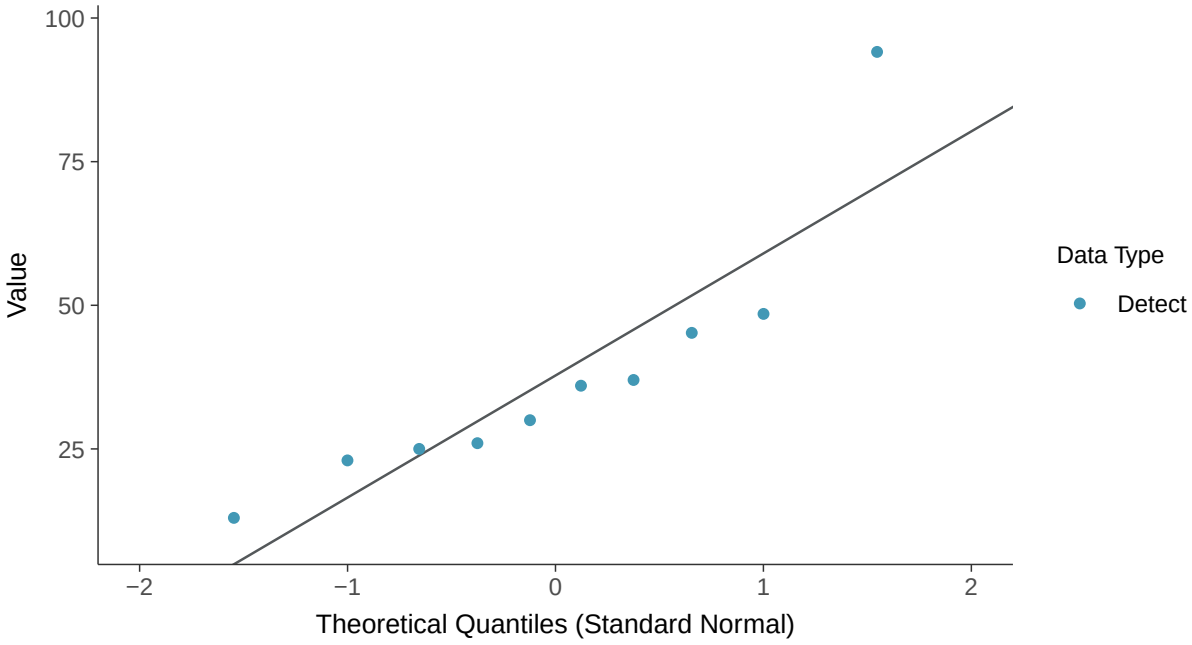
Boxplot by Season

Chloride, MW-18D (mg/l)



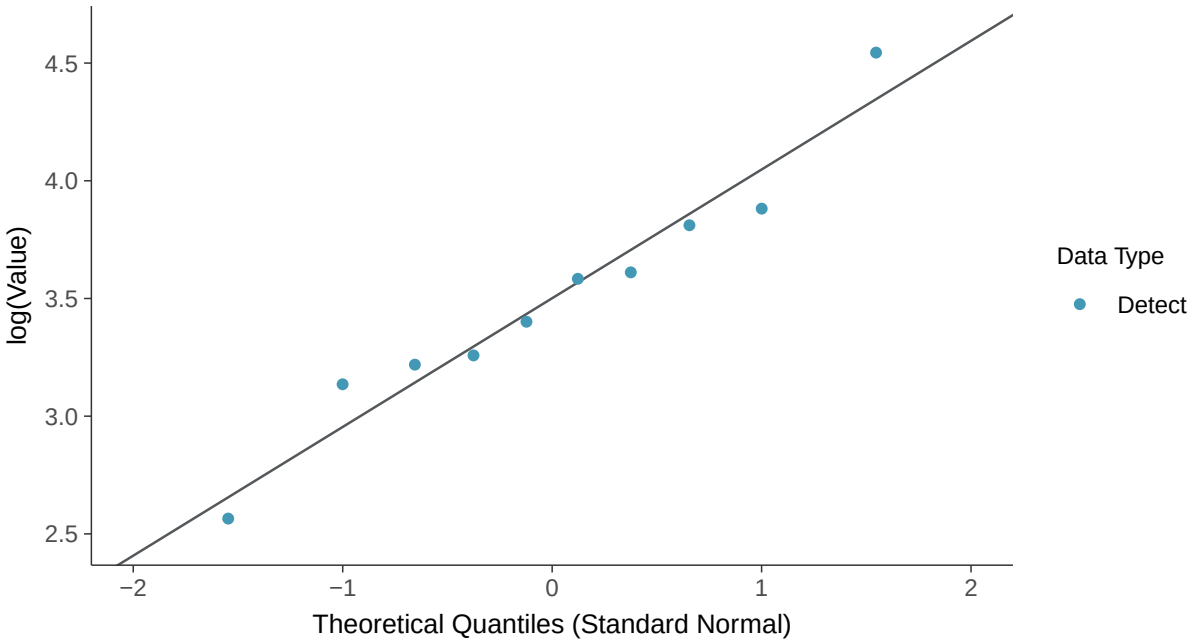
Normal Q-Q plot

Chloride, MW-18D (mg/l)



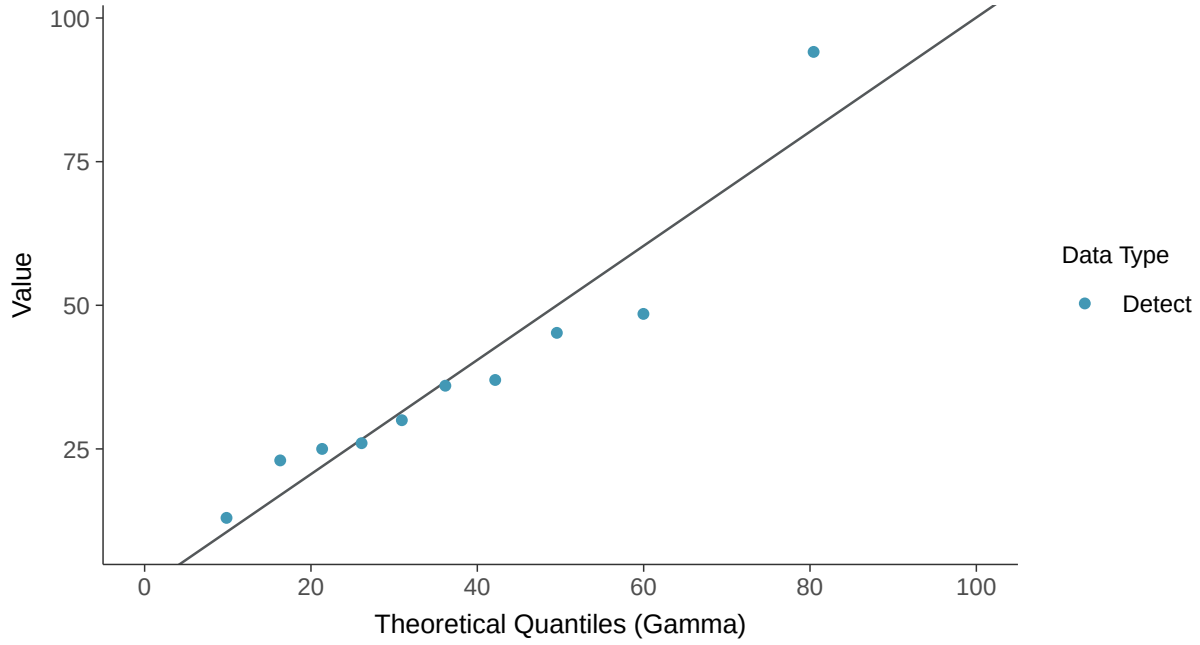
Lognormal Q-Q plot

Chloride, MW-18D (mg/l)



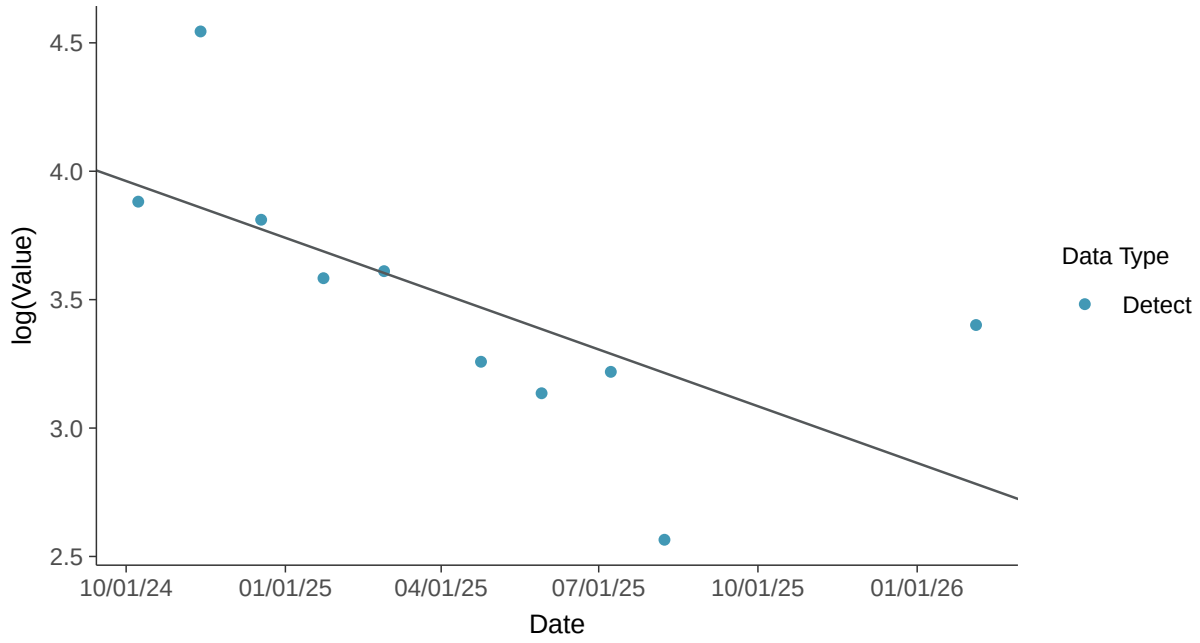
Gamma Q-Q plot

Chloride, MW-18D (mg/l)



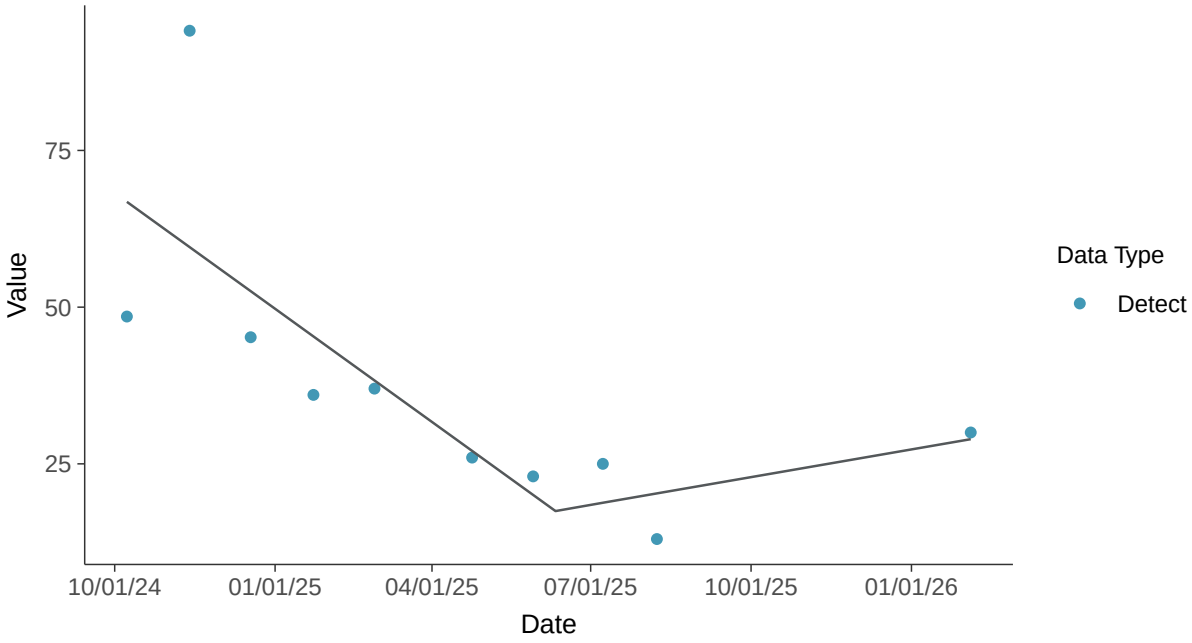
Trend Regression: Lognormal MLE

Chloride, MW-18D (mg/l)



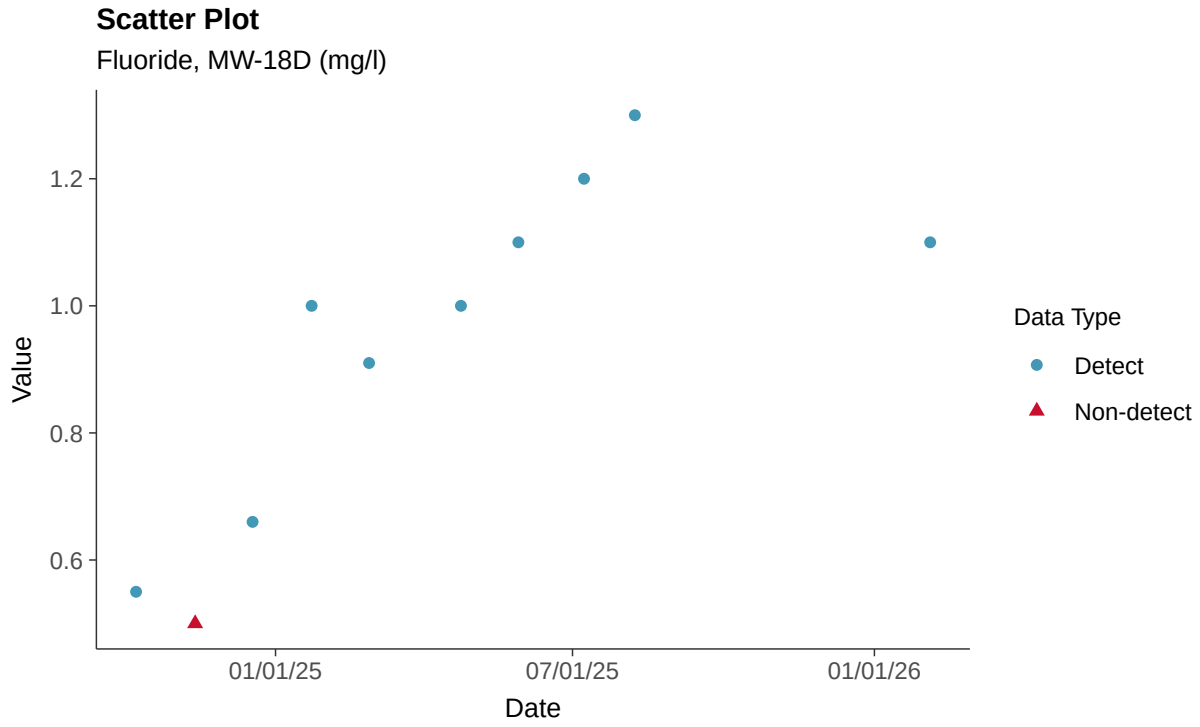
Trend Regression: Piecewise Linear-Linear

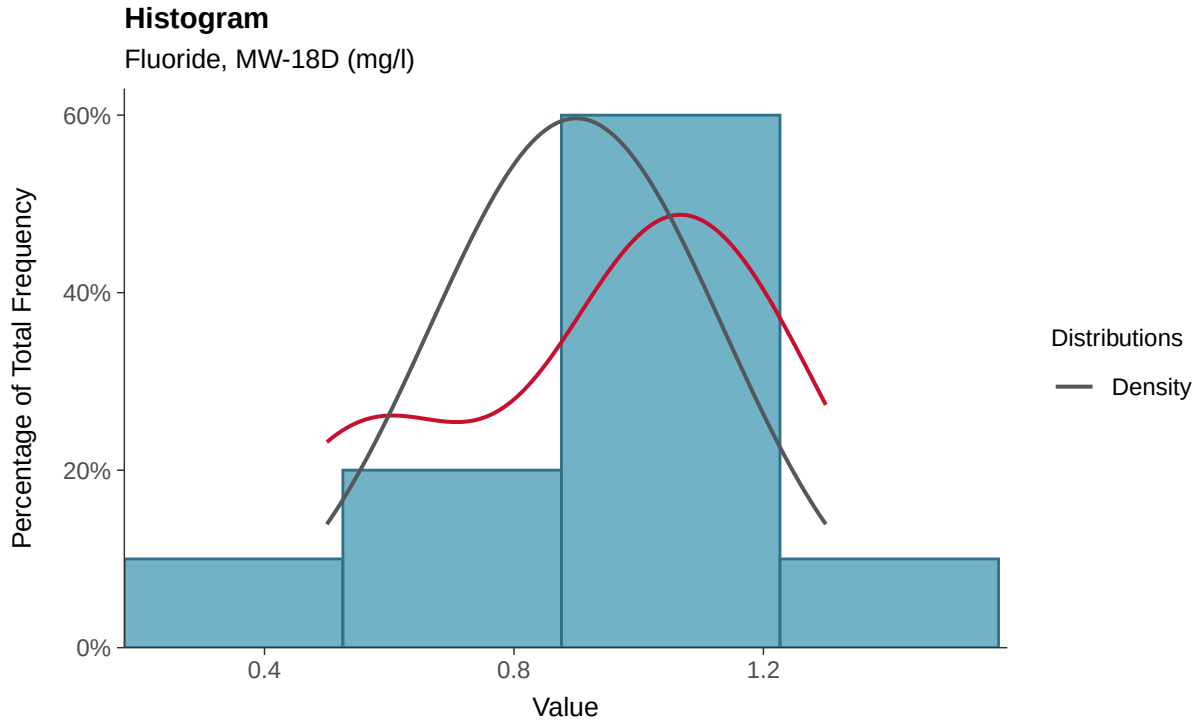
Chloride, MW-18D (mg/l)



Appendix III: Fluoride, MW-18D

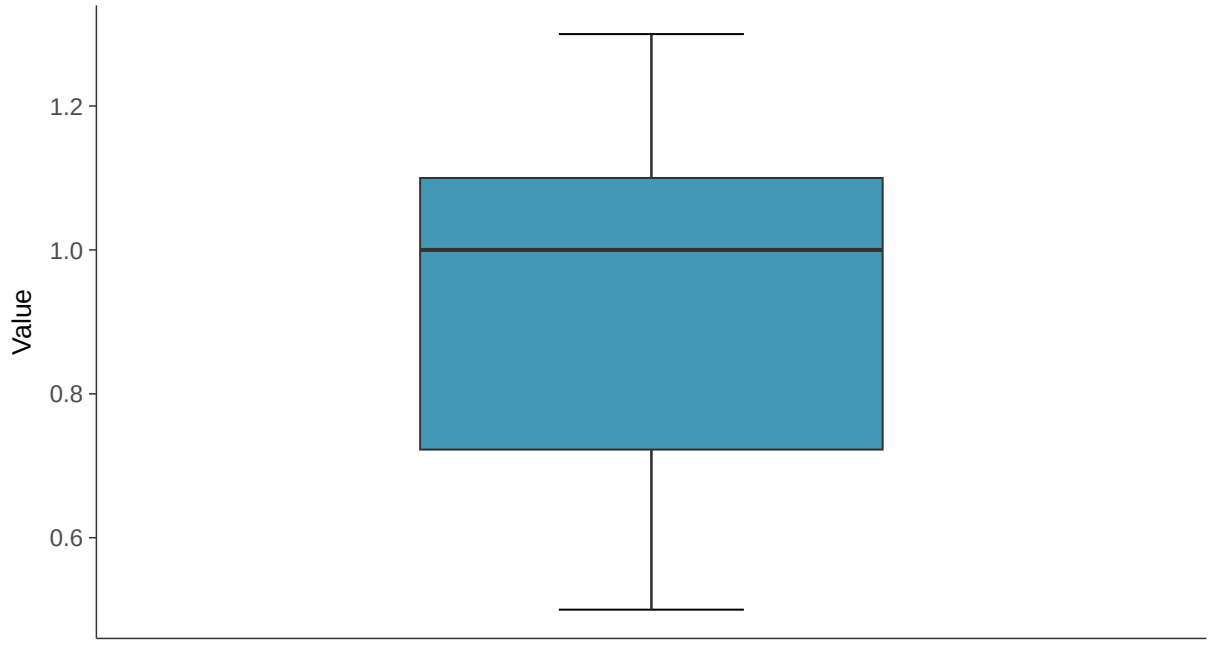
ID: 17_2_112





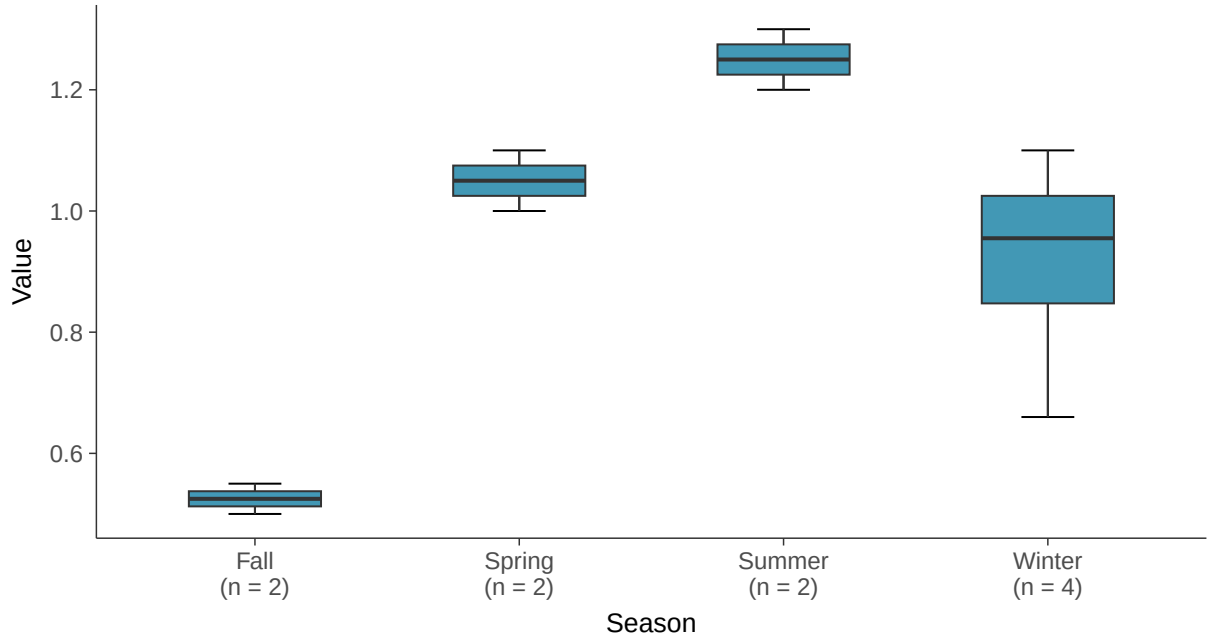
Boxplot

Fluoride, MW-18D (mg/l)



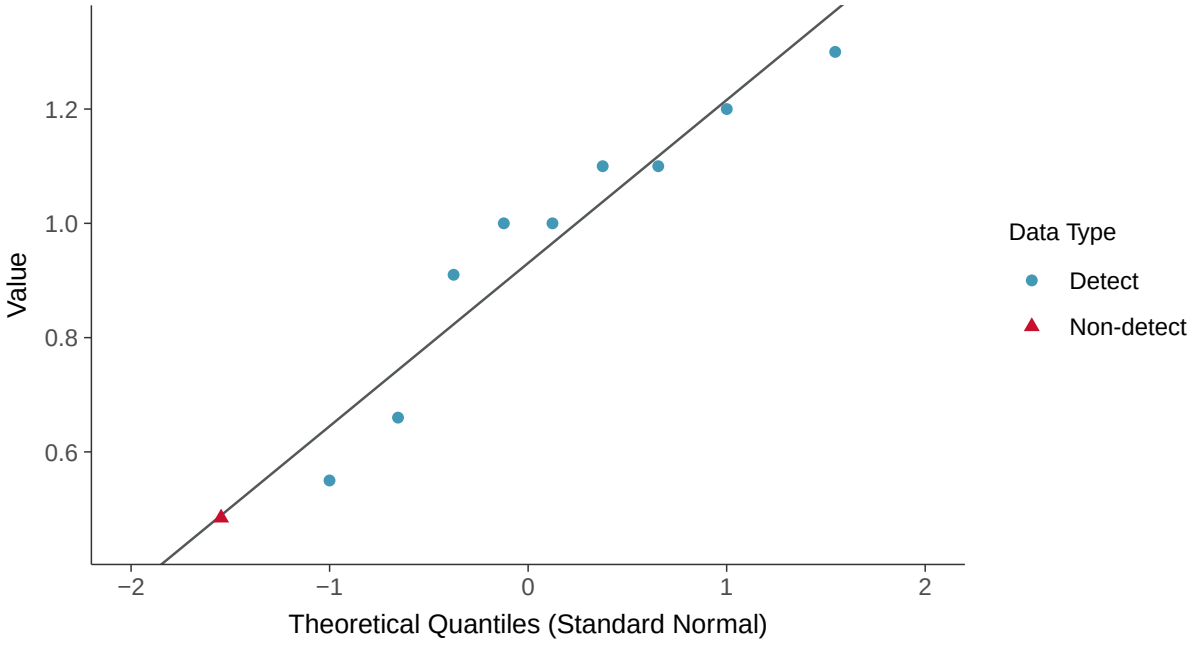
Boxplot by Season

Fluoride, MW-18D (mg/l)



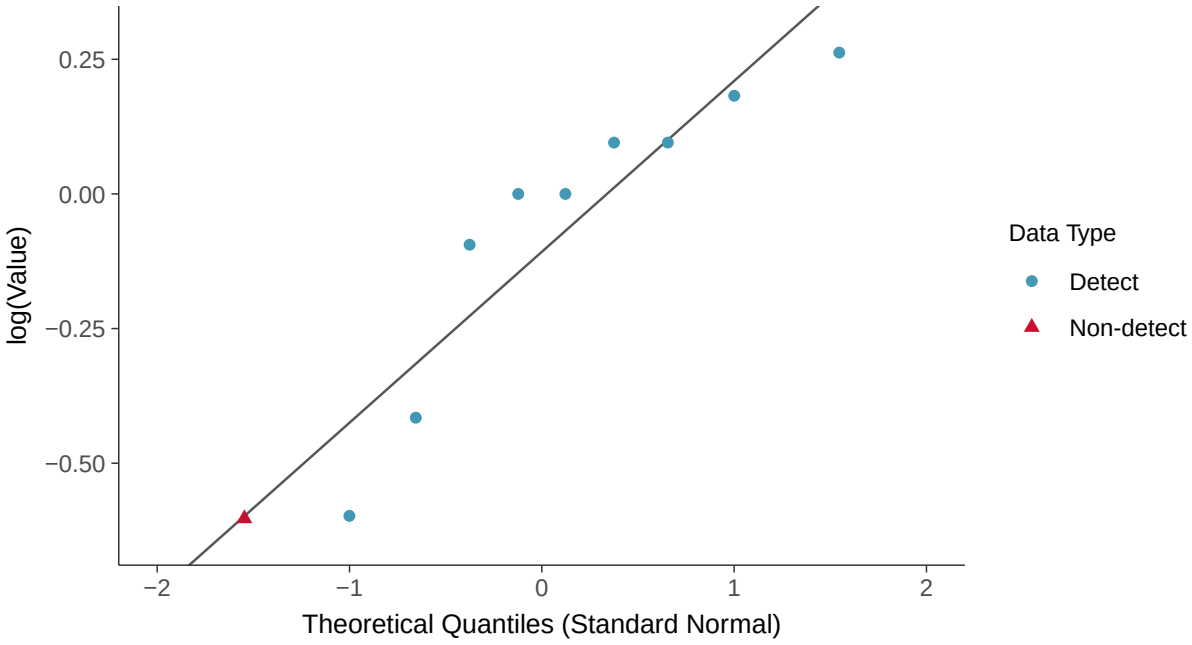
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-18D (mg/l)



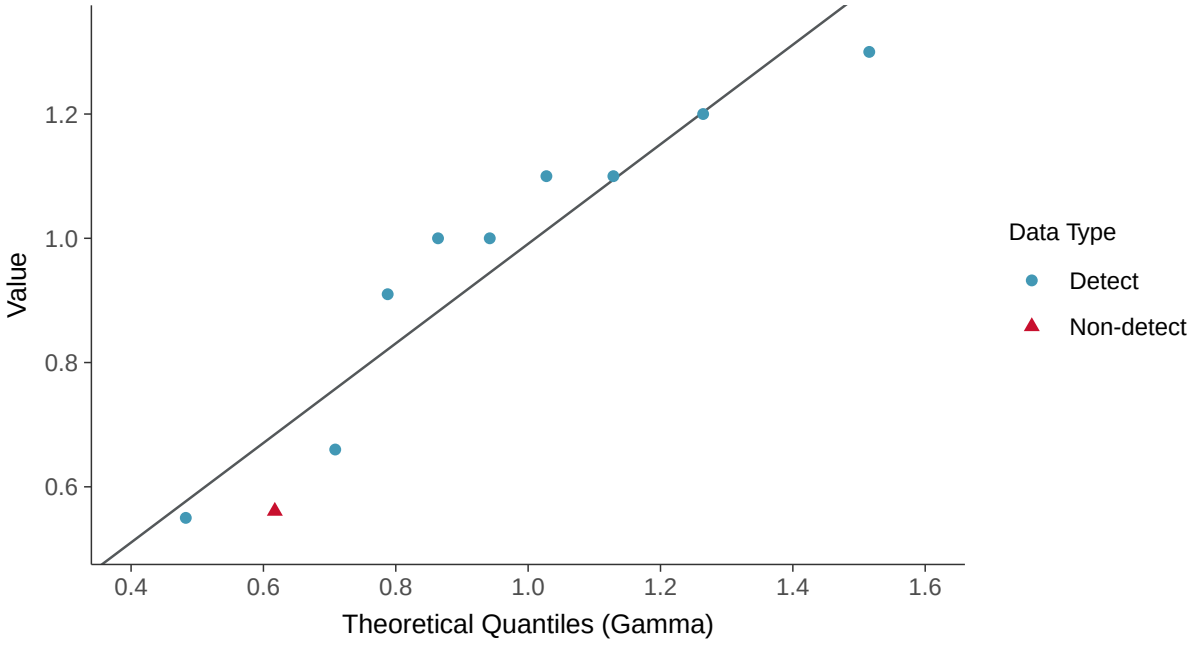
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-18D (mg/l)



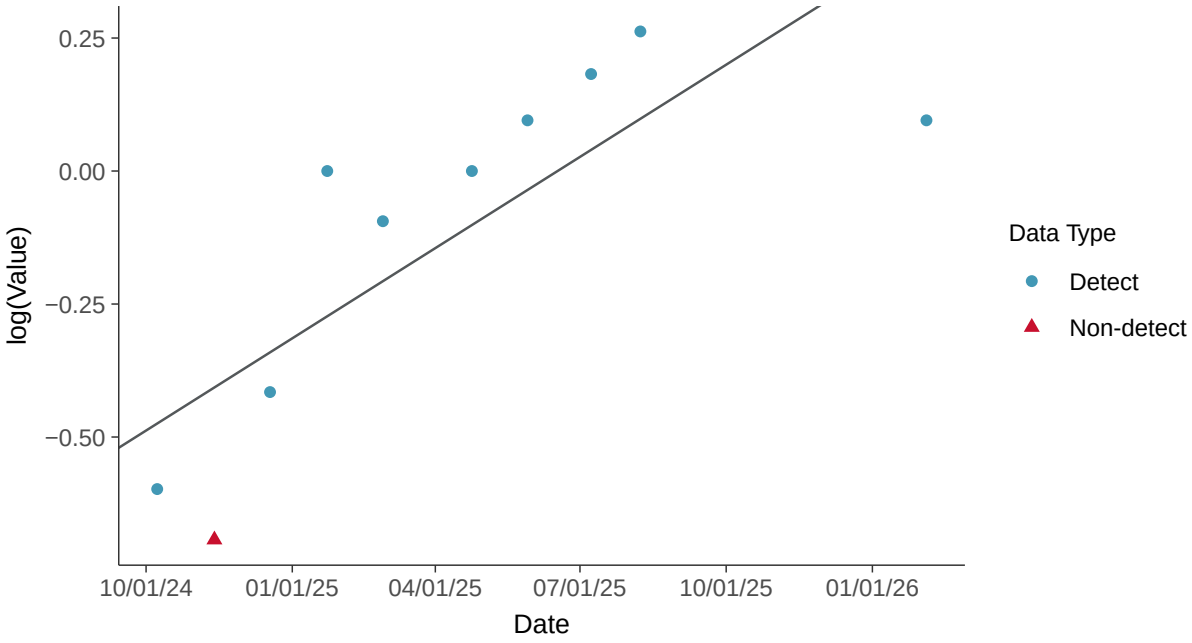
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride, MW-18D (mg/l)



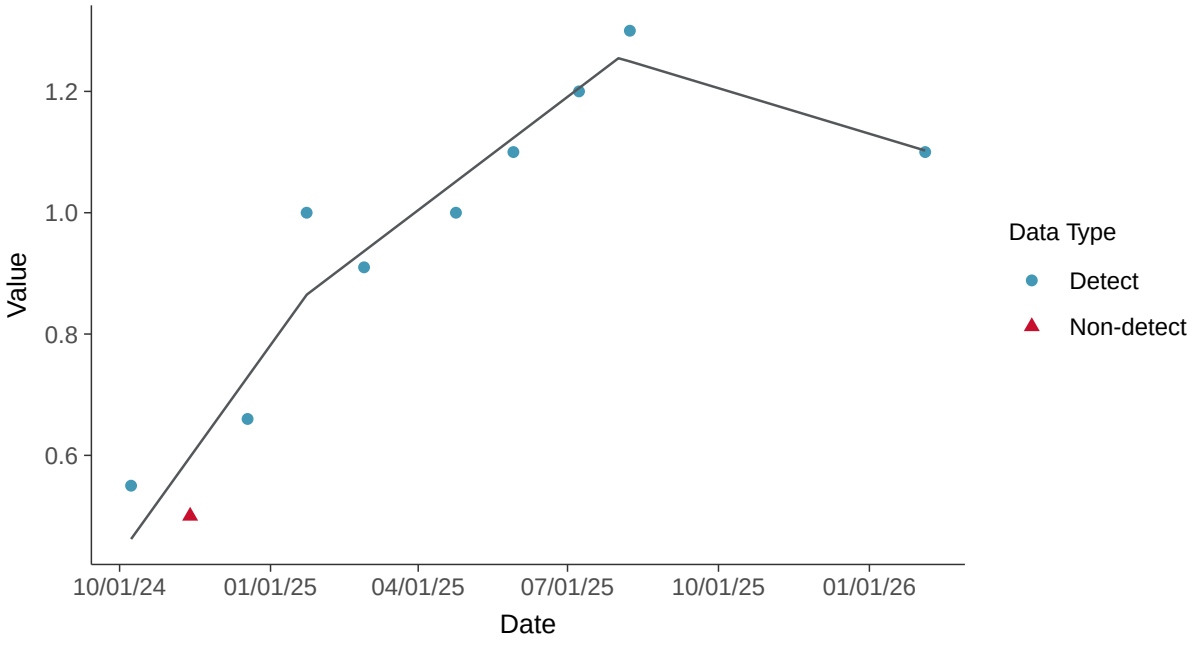
Trend Regression: Lognormal MLE

Fluoride, MW-18D (mg/l)



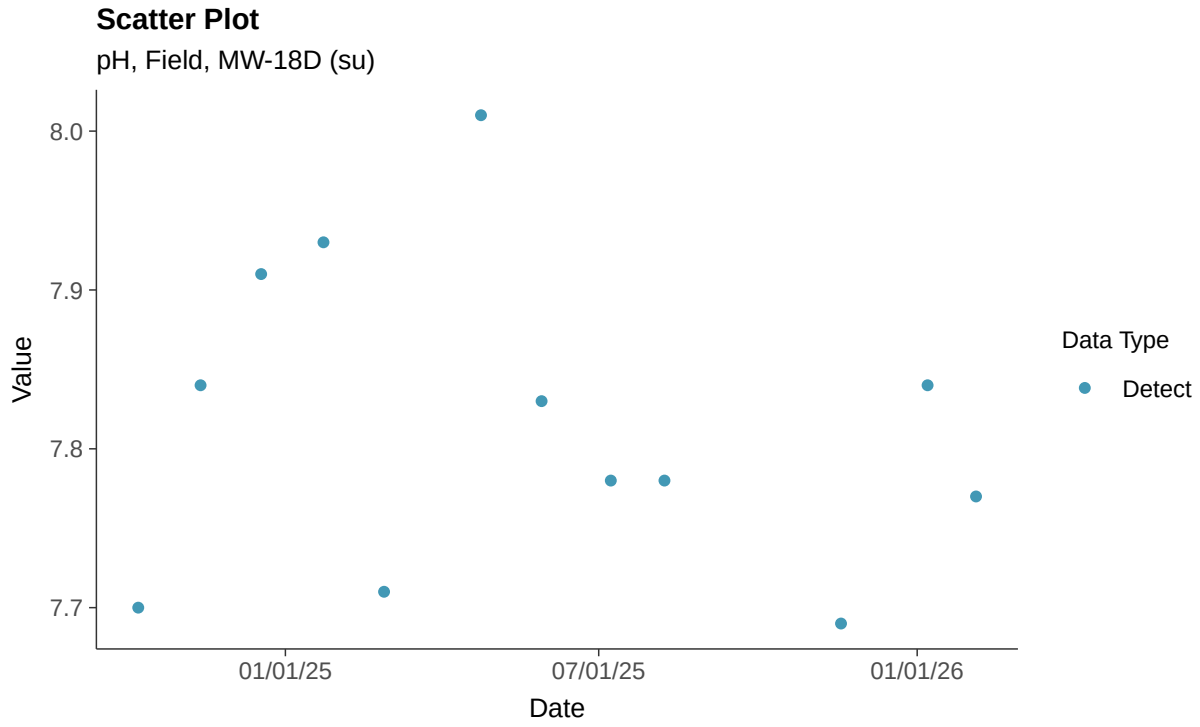
Trend Regression: Piecewise Linear-Linear-Linear

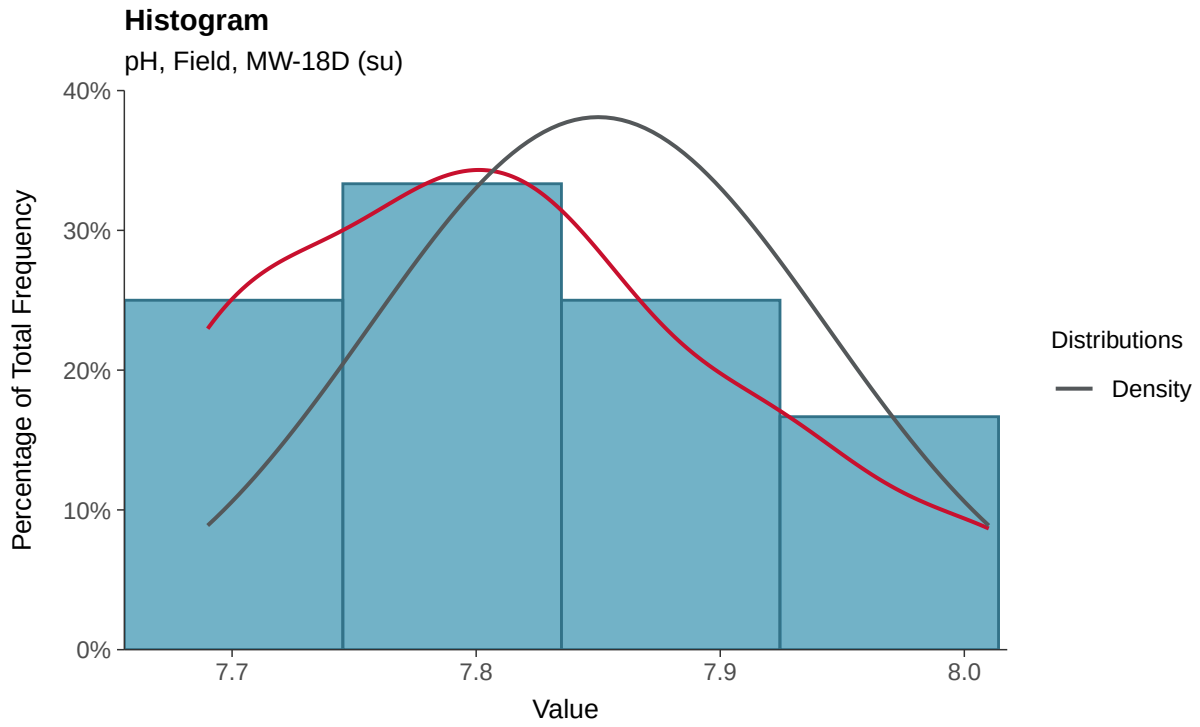
Fluoride, MW-18D (mg/l)



Appendix III: pH, Field, MW-18D

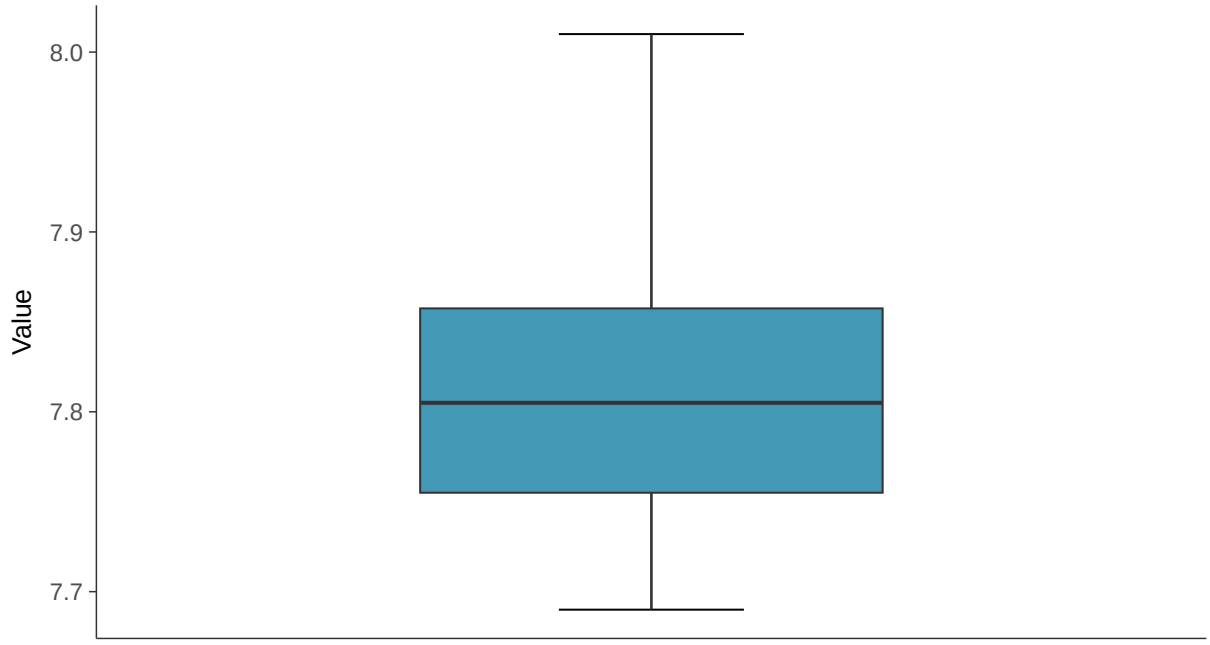
ID: 17_2_120





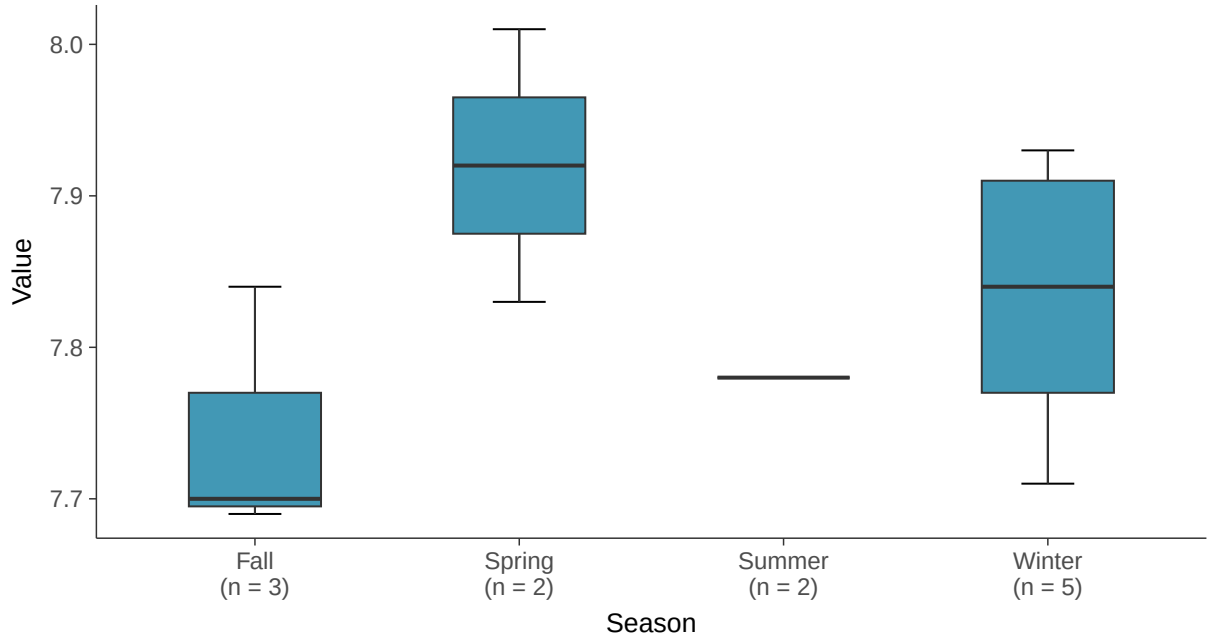
Boxplot

pH, Field, MW-18D (su)



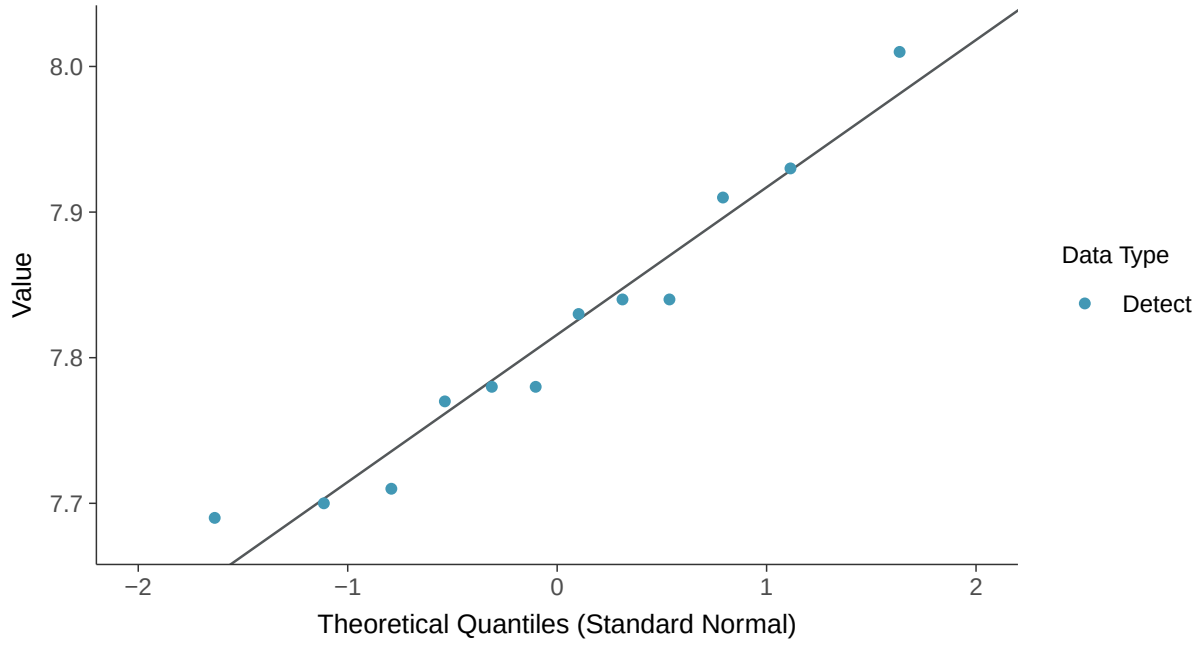
Boxplot by Season

pH, Field, MW-18D (su)



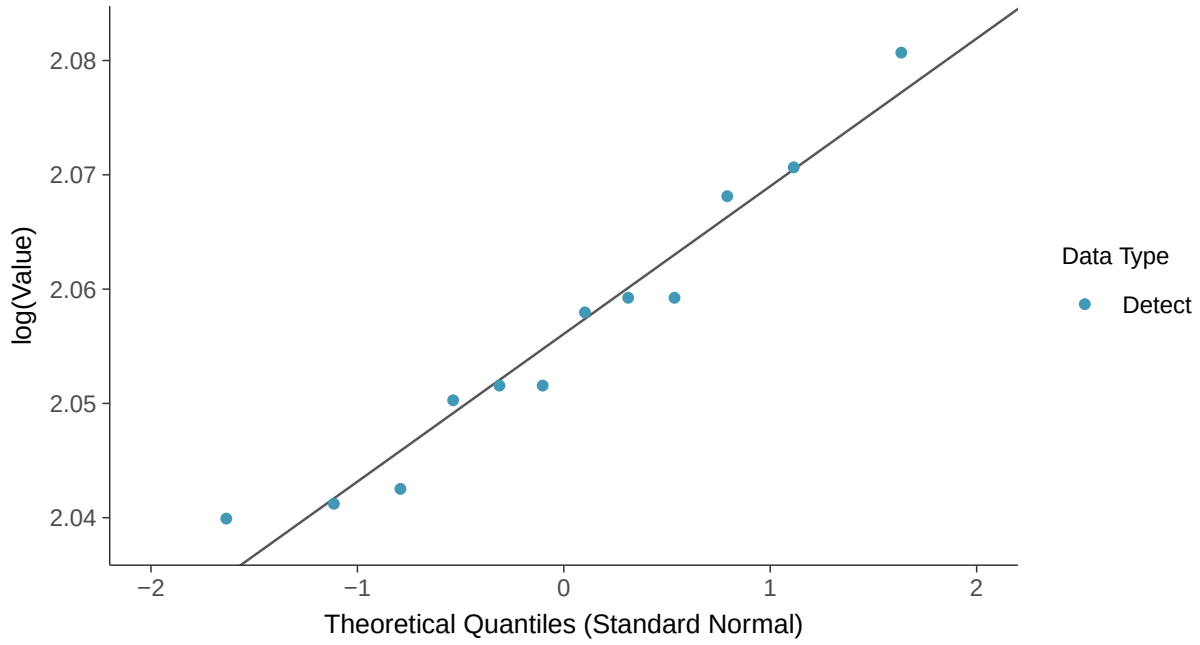
Normal Q-Q plot

pH, Field, MW-18D (su)



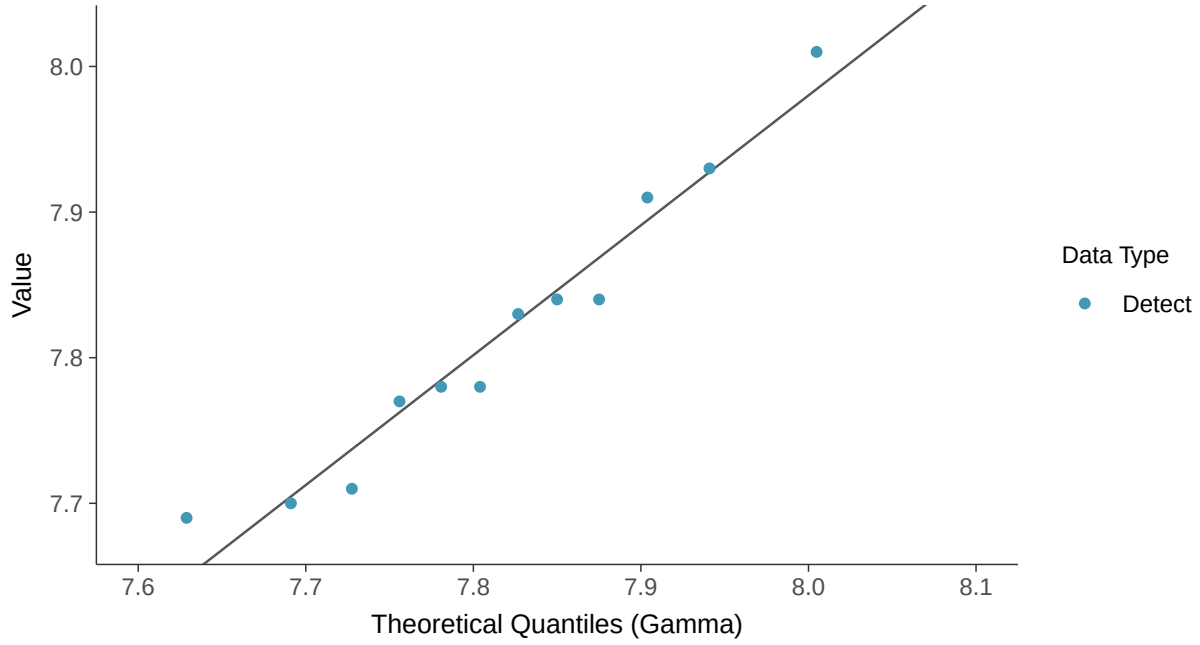
Lognormal Q-Q plot

pH, Field, MW-18D (su)



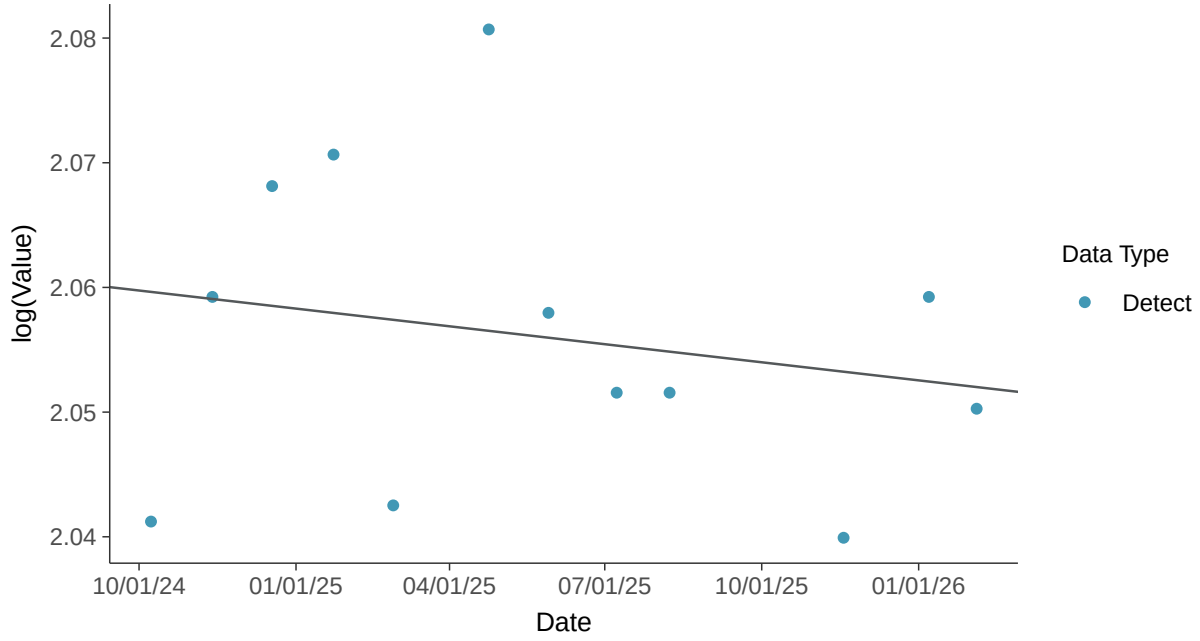
Gamma Q-Q plot

pH, Field, MW-18D (su)



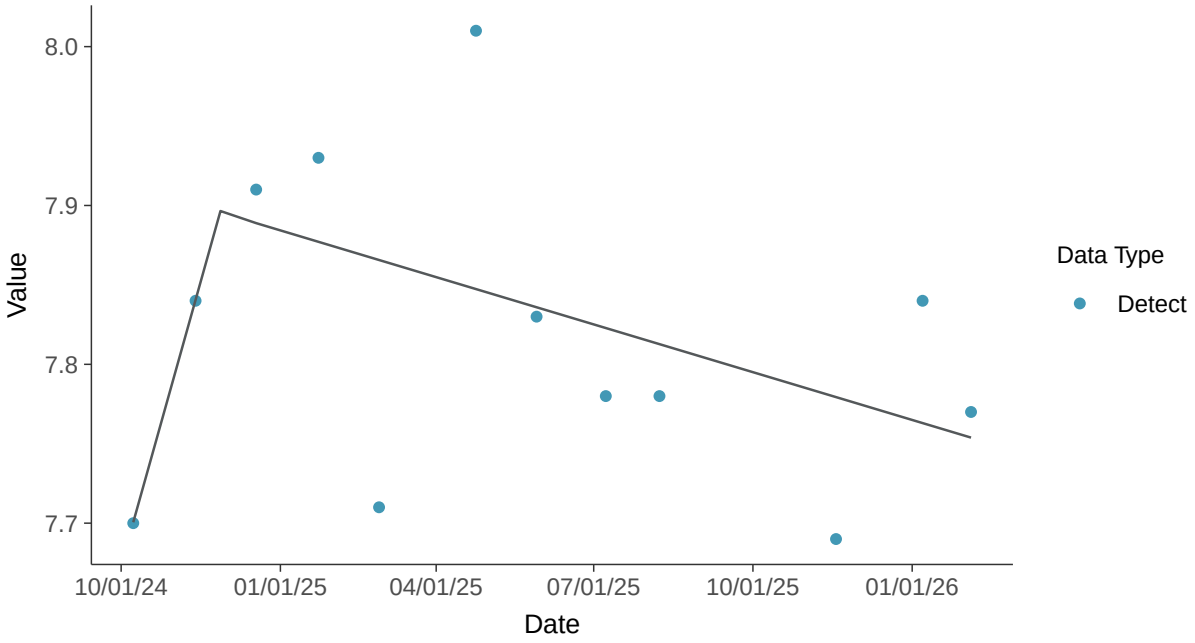
Trend Regression: Lognormal MLE

pH, Field, MW-18D (su)



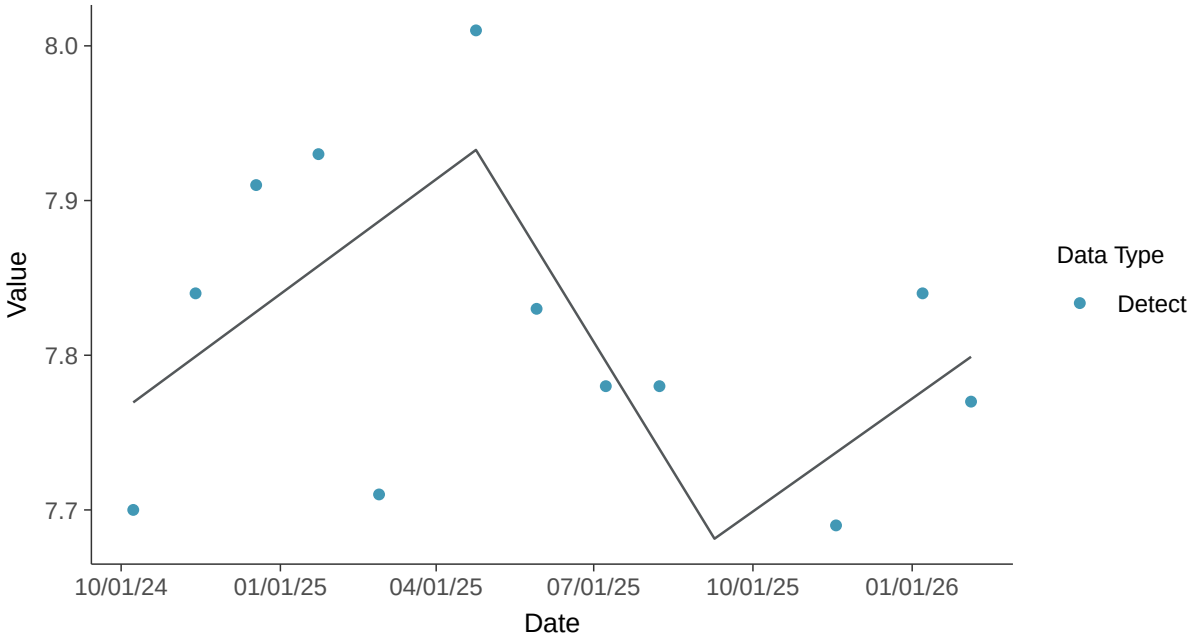
Trend Regression: Piecewise Linear-Linear

pH, Field, MW-18D (su)



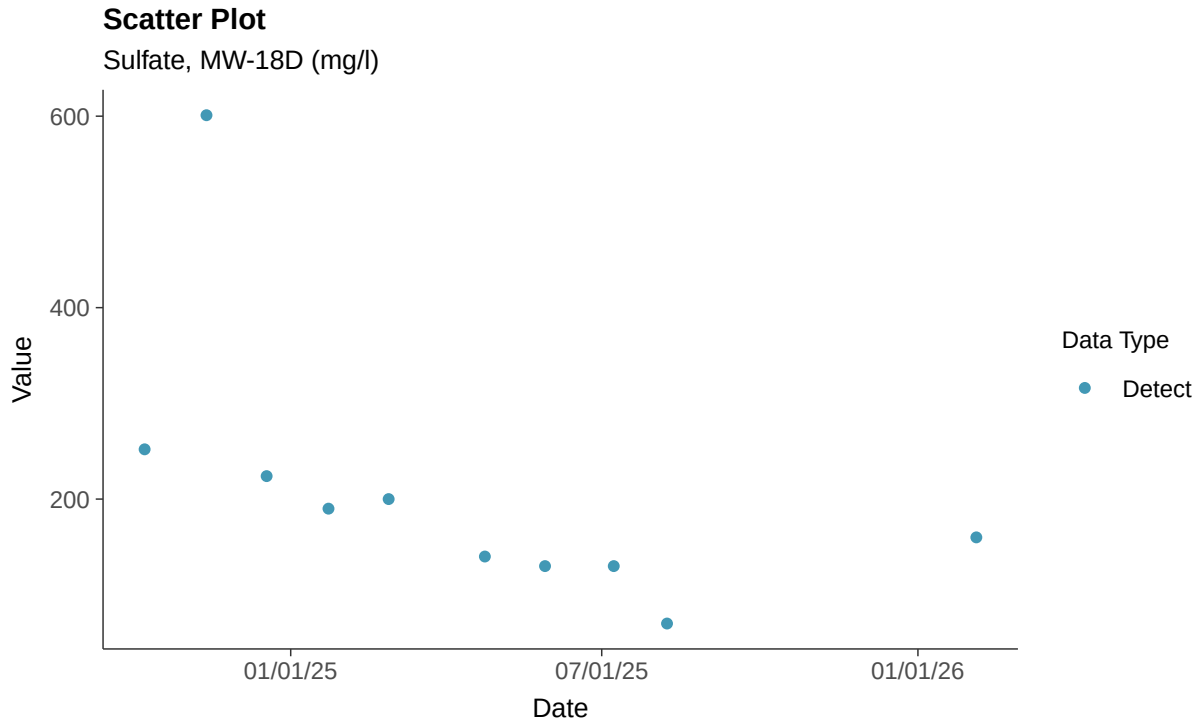
Trend Regression: Piecewise Linear-Linear-Linear

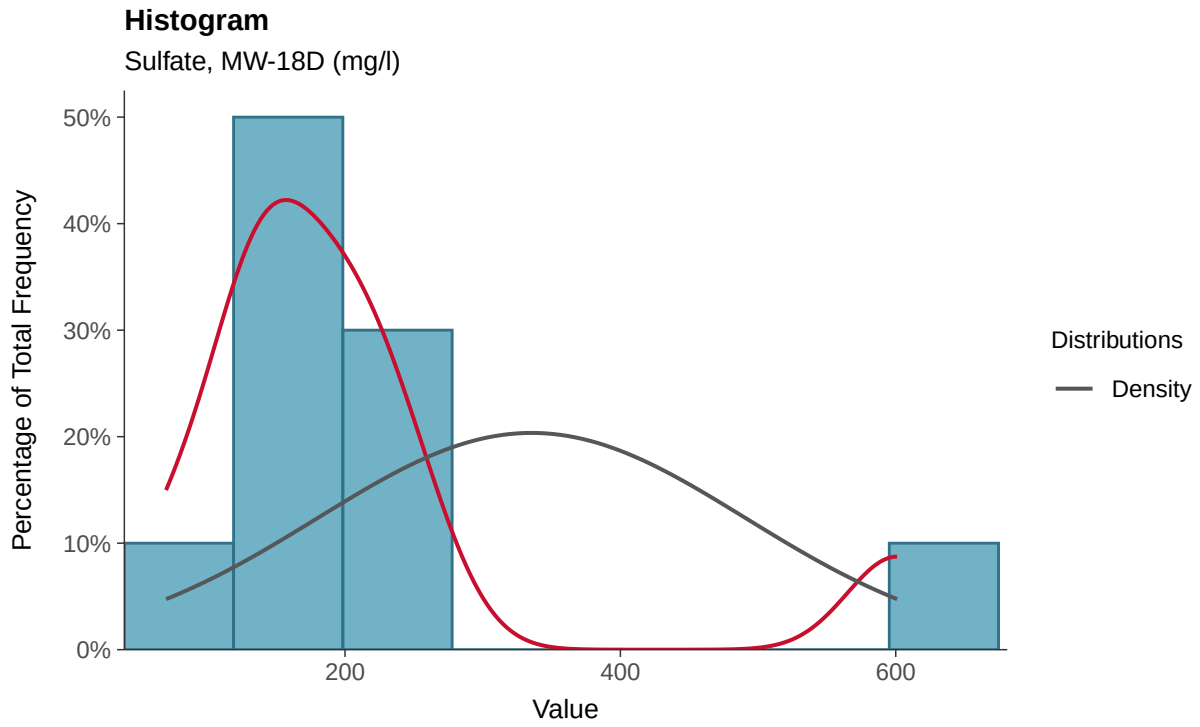
pH, Field, MW-18D (su)



Appendix III: Sulfate, MW-18D

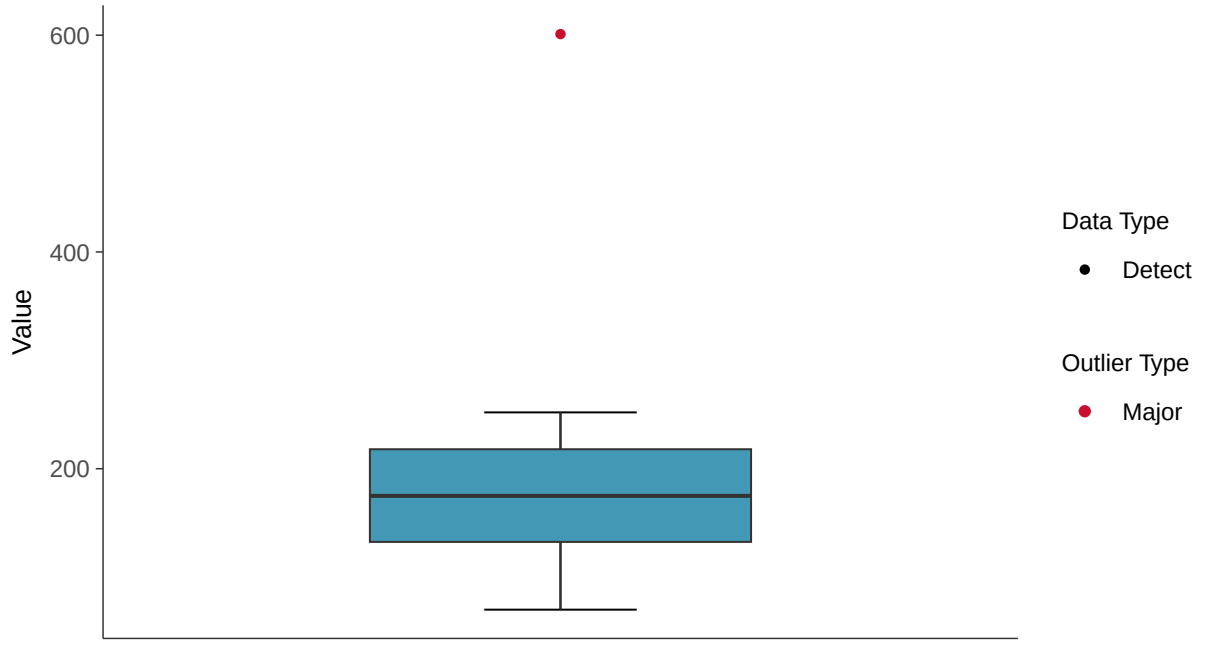
ID: 17_2_124





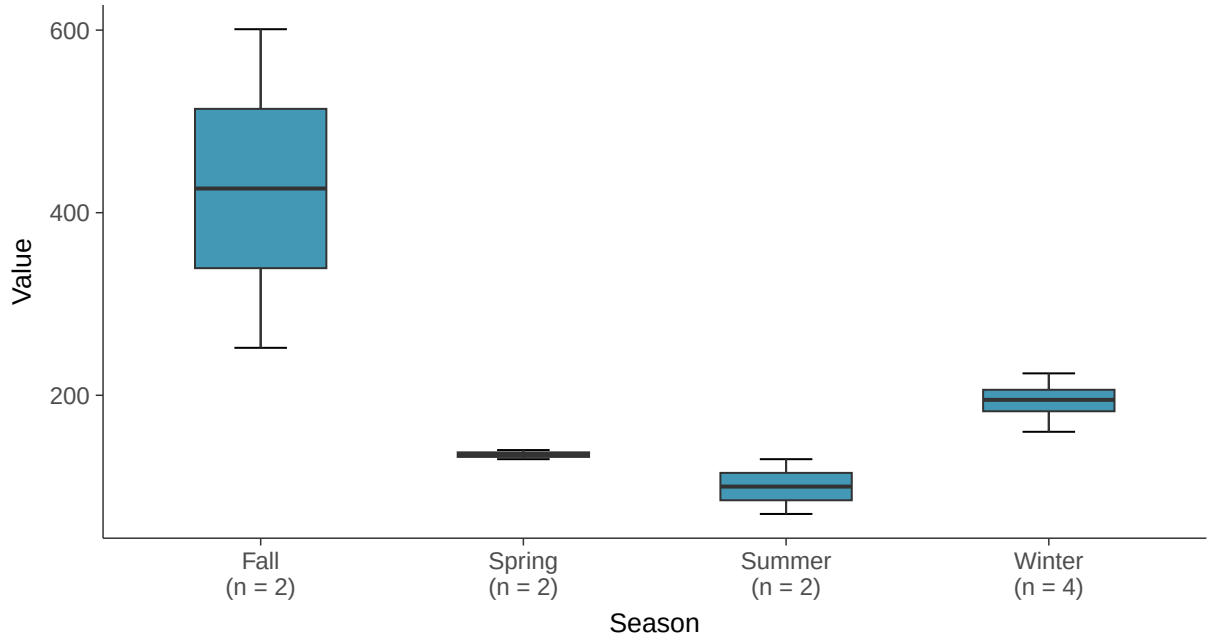
Boxplot

Sulfate, MW-18D (mg/l)



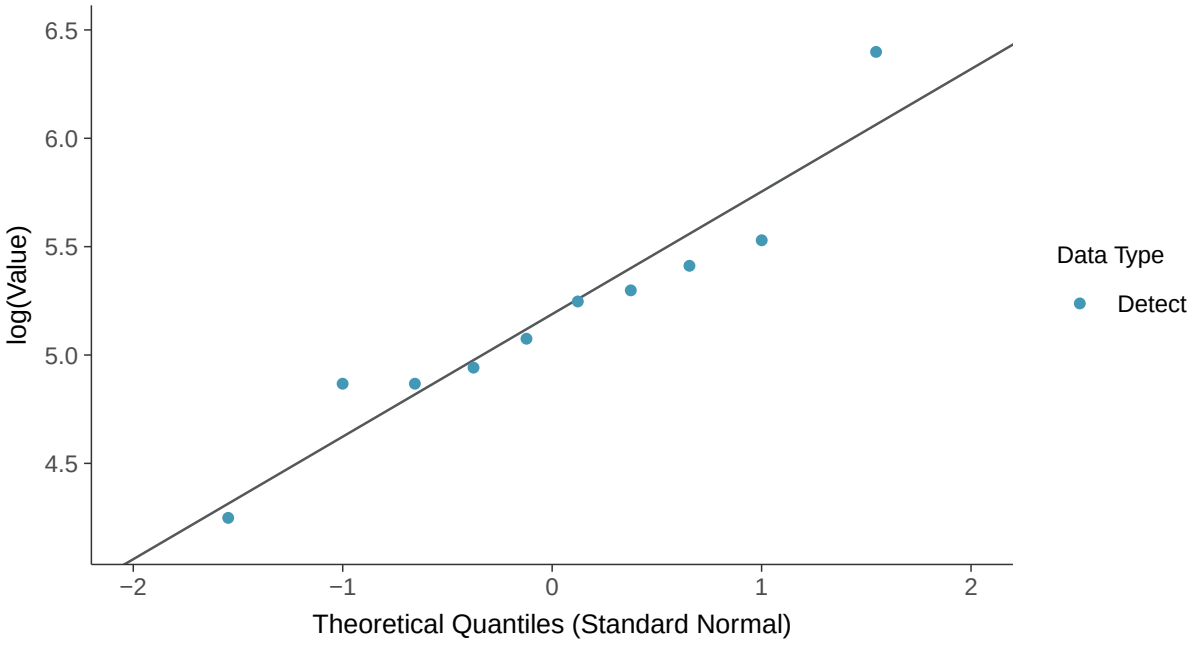
Boxplot by Season

Sulfate, MW-18D (mg/l)



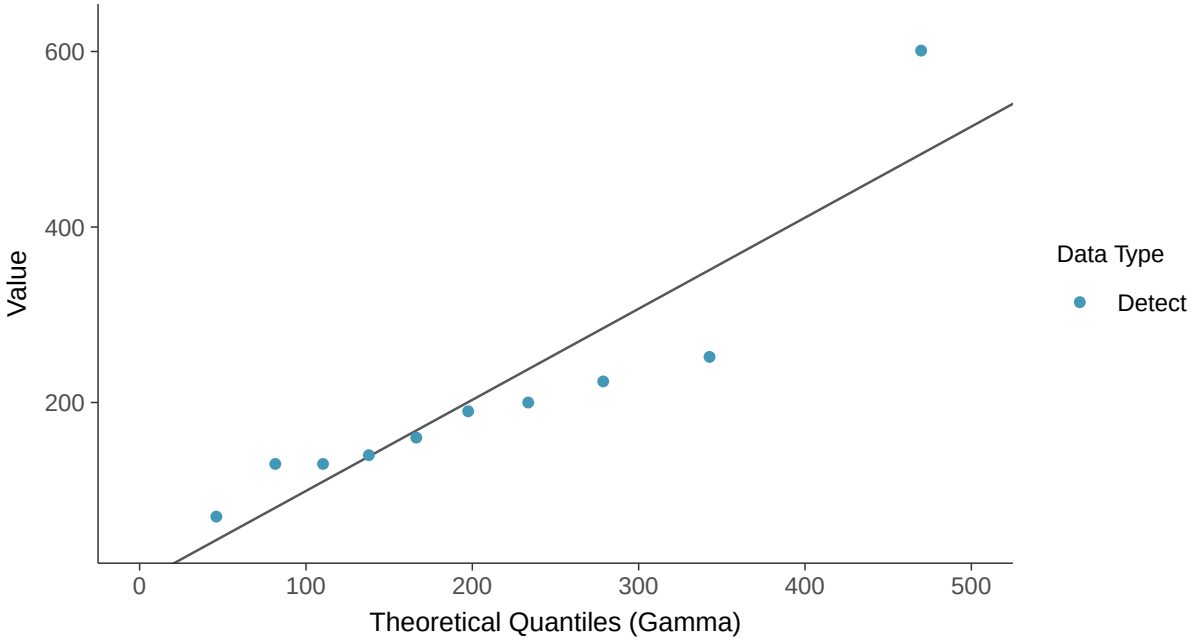
Lognormal Q-Q plot

Sulfate, MW-18D (mg/l)



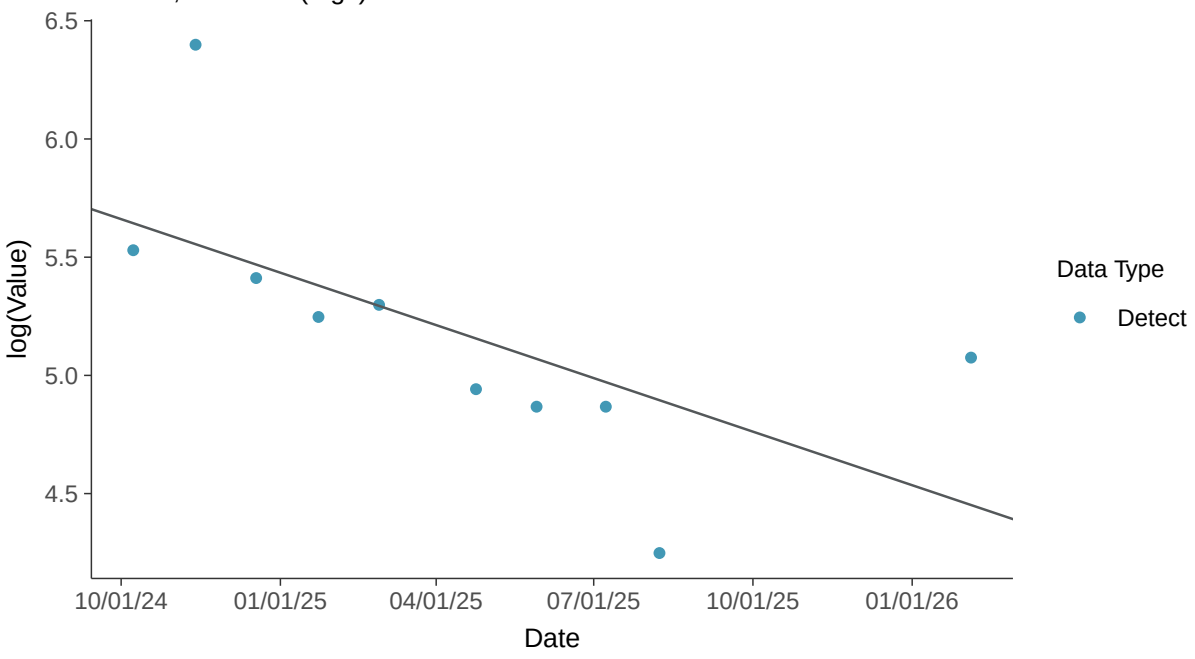
Gamma Q-Q plot

Sulfate, MW-18D (mg/l)



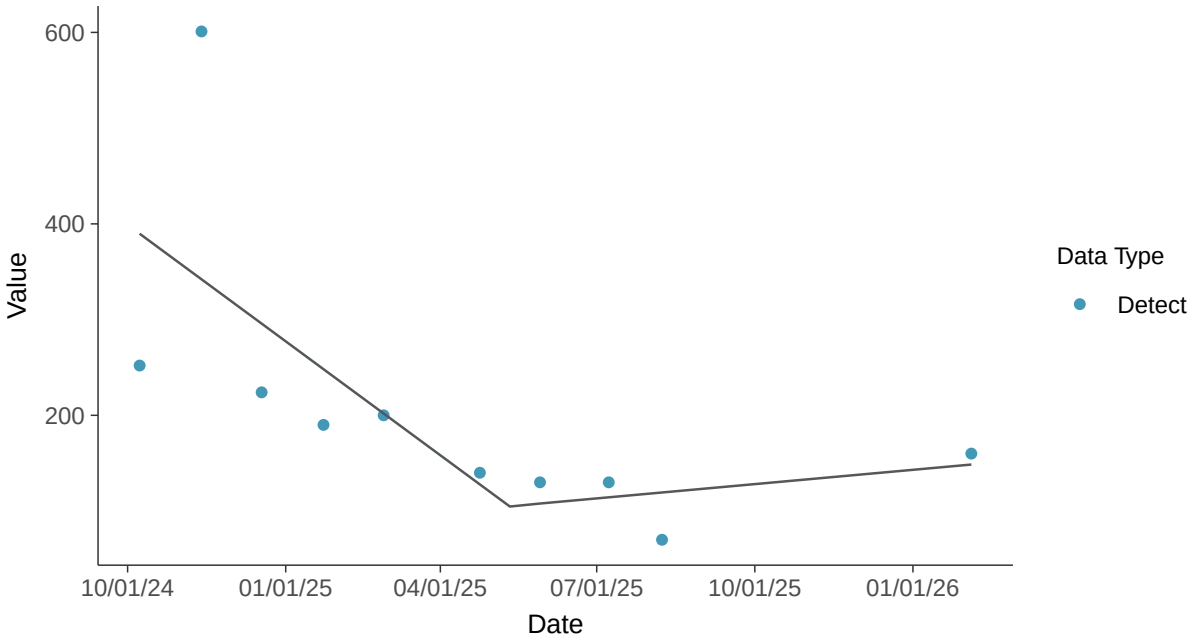
Trend Regression: Lognormal MLE

Sulfate, MW-18D (mg/l)



Trend Regression: Piecewise Linear-Linear

Sulfate, MW-18D (mg/l)

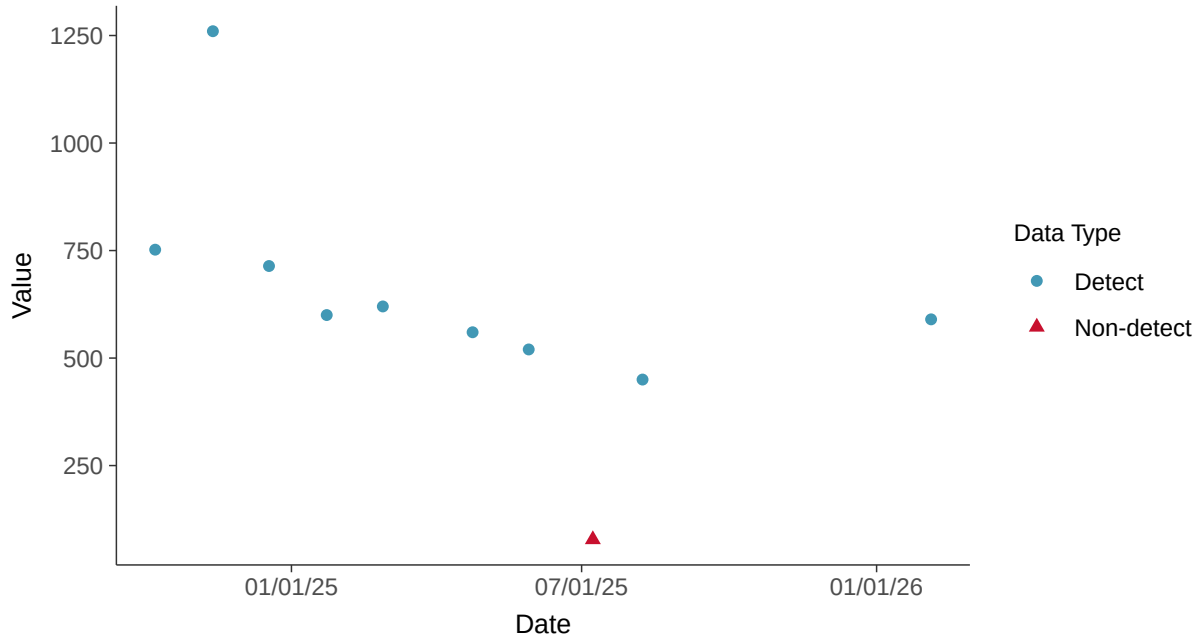


Appendix III: Total Dissolved Solids, MW-18D

ID: 17_2_126

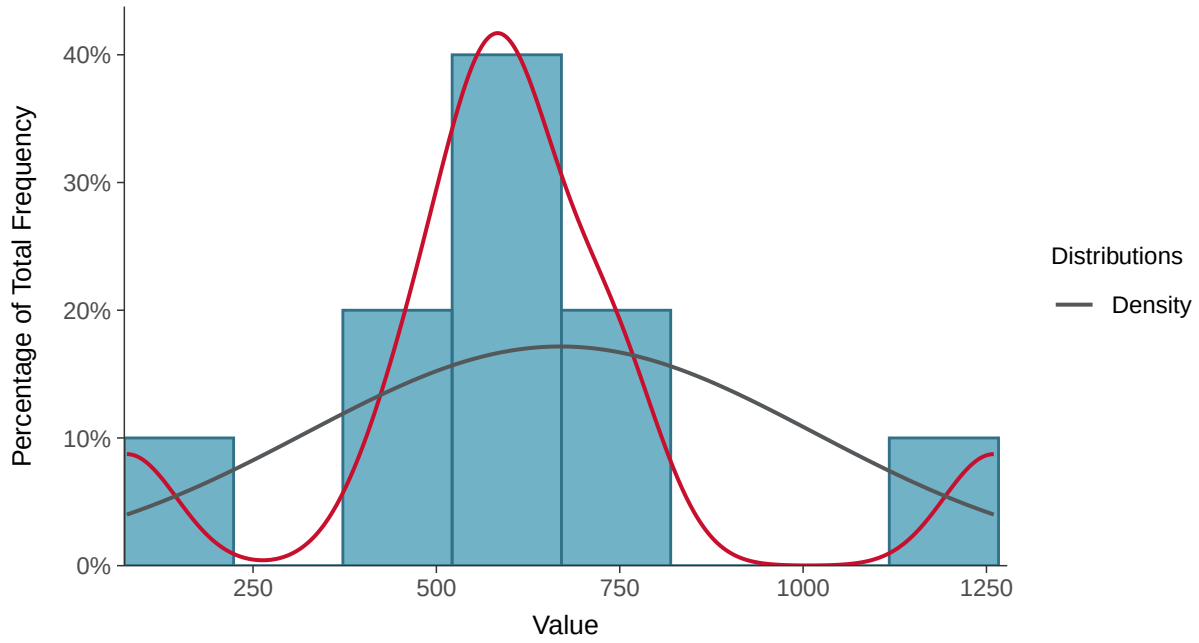
Scatter Plot

Total Dissolved Solids, MW-18D (mg/l)



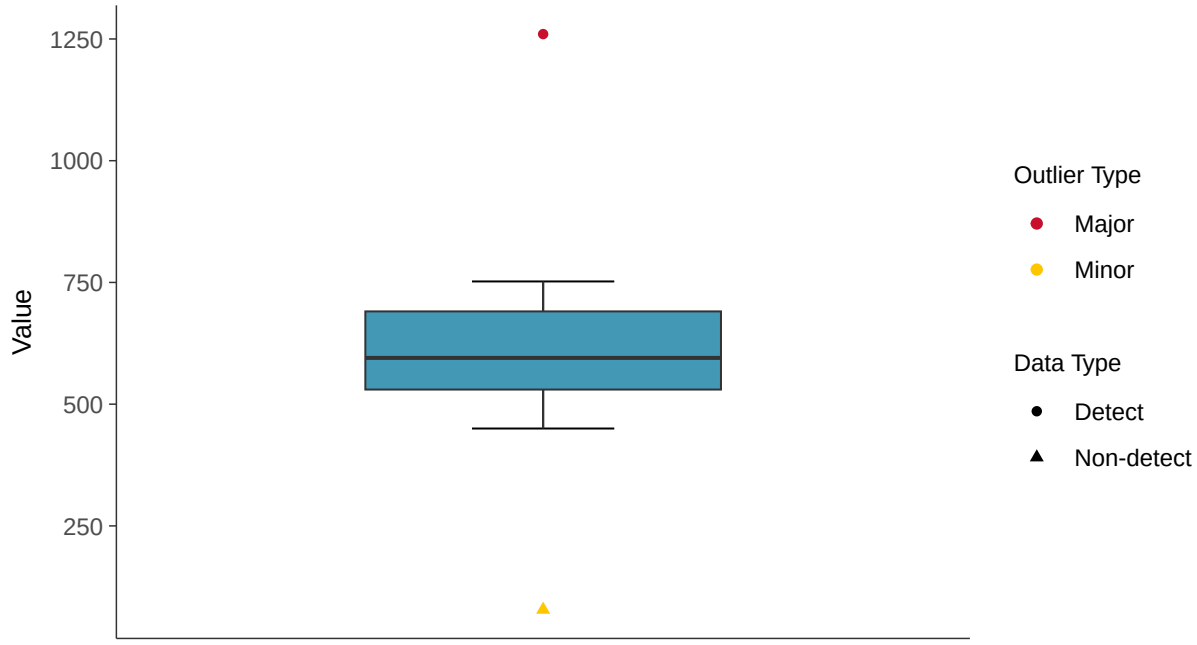
Histogram

Total Dissolved Solids, MW-18D (mg/l)



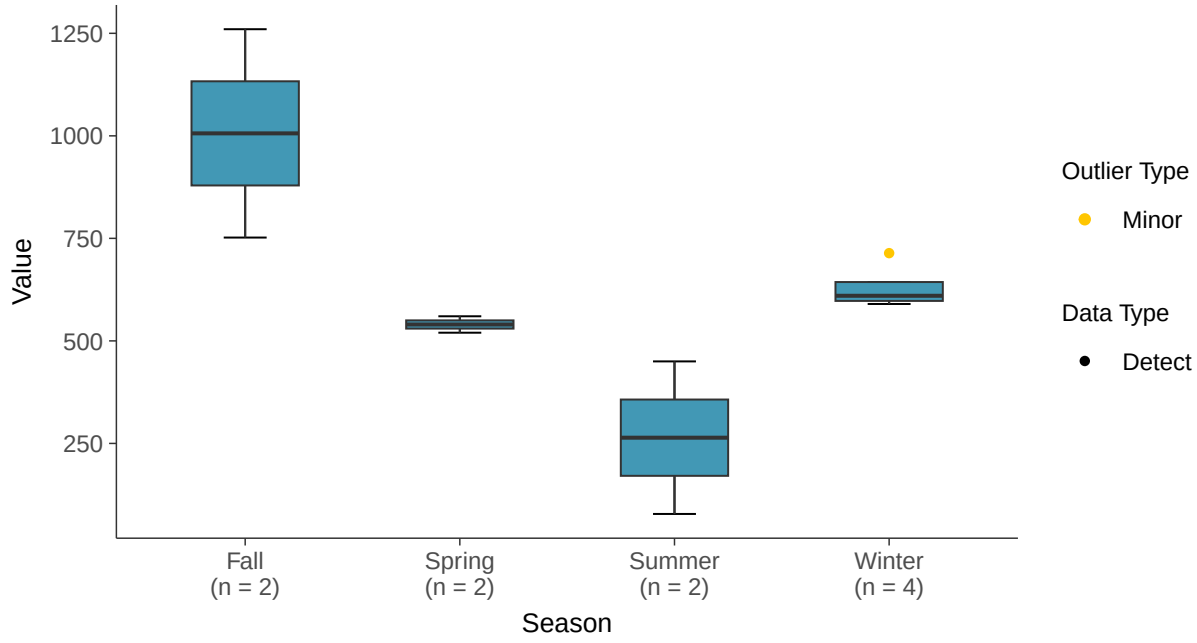
Boxplot

Total Dissolved Solids, MW-18D (mg/l)



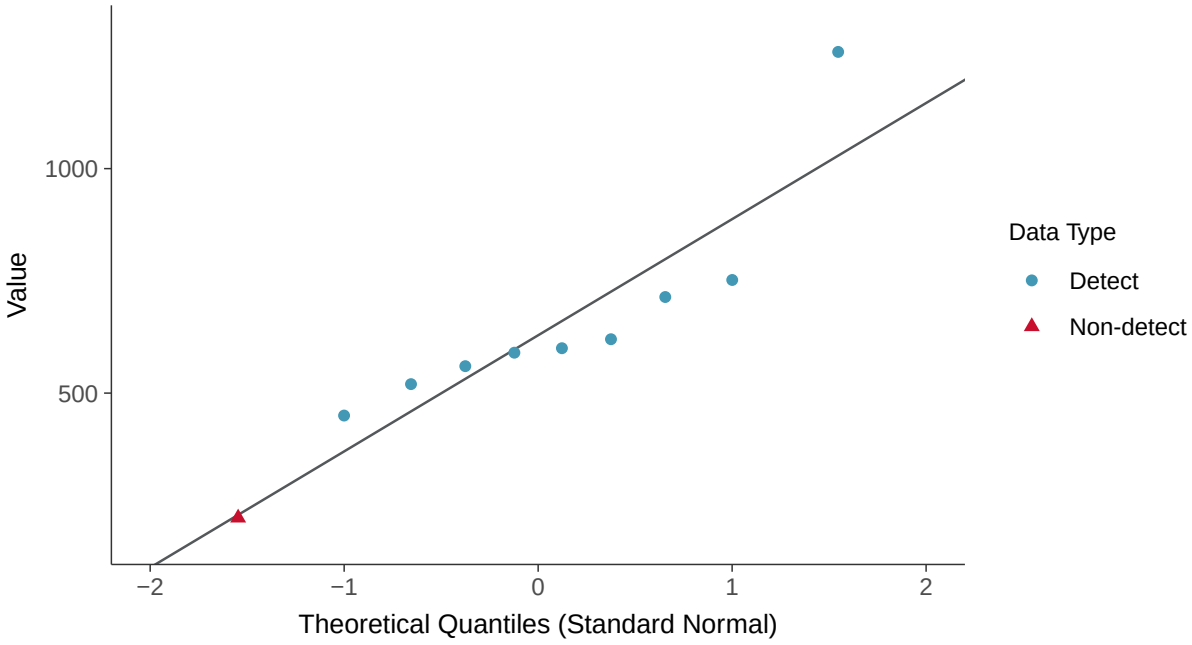
Boxplot by Season

Total Dissolved Solids, MW-18D (mg/l)



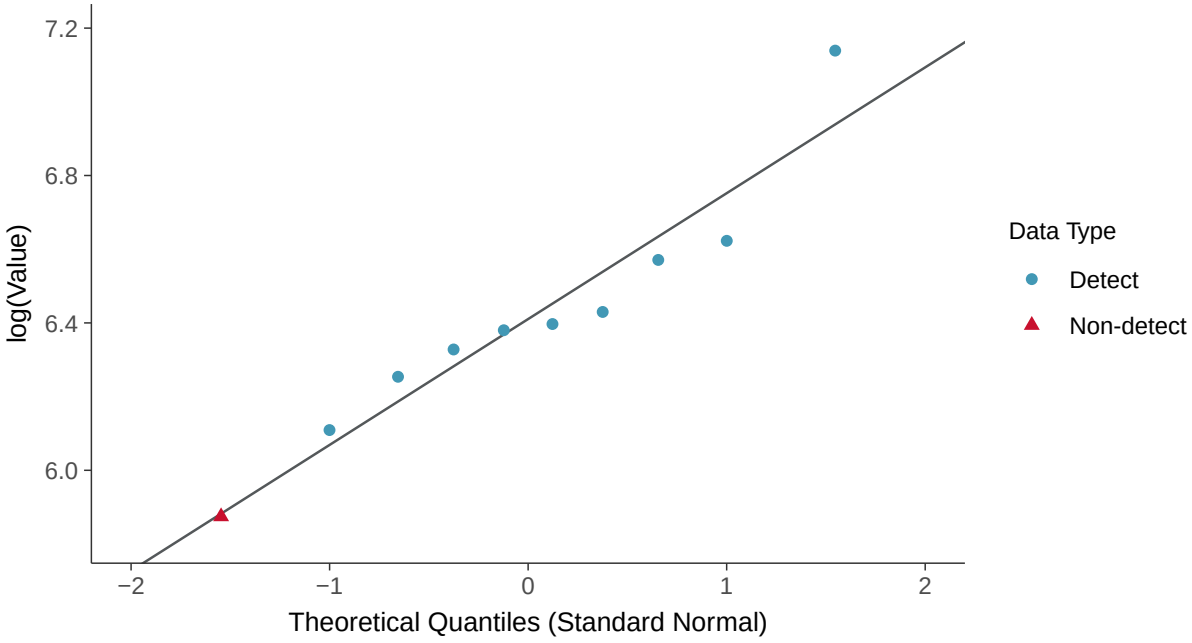
Normal Q-Q plot using ROS Imputed Estimates

Total Dissolved Solids, MW-18D (mg/l)



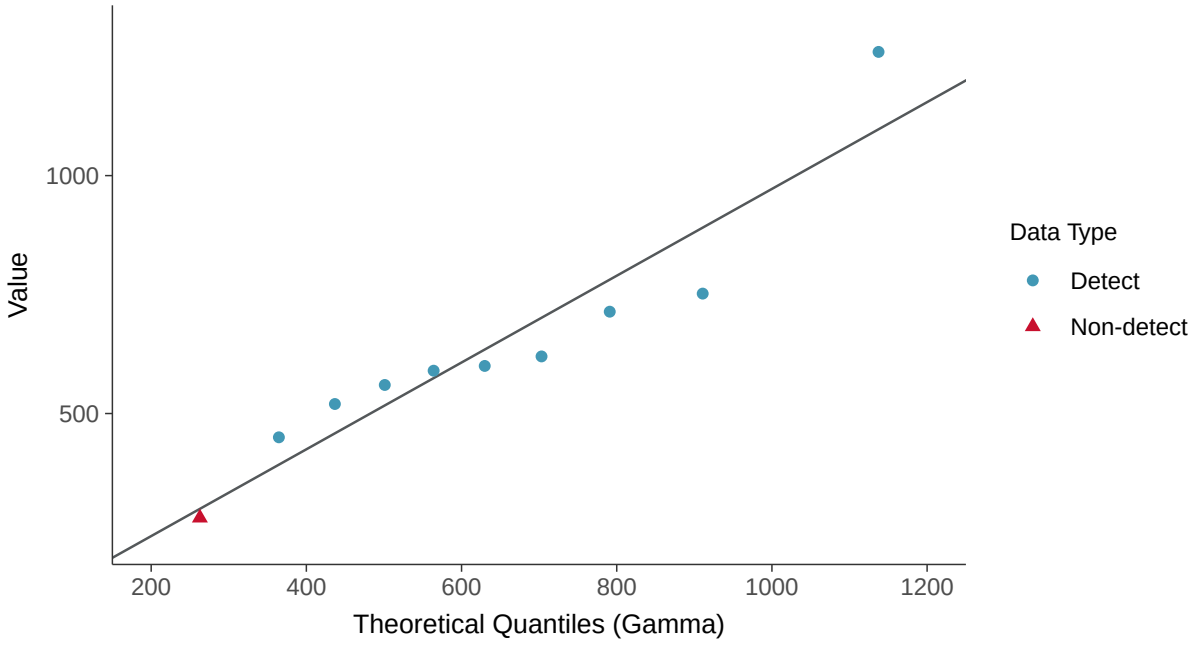
Lognormal Q-Q plot using ROS Imputed Estimates

Total Dissolved Solids, MW-18D (mg/l)



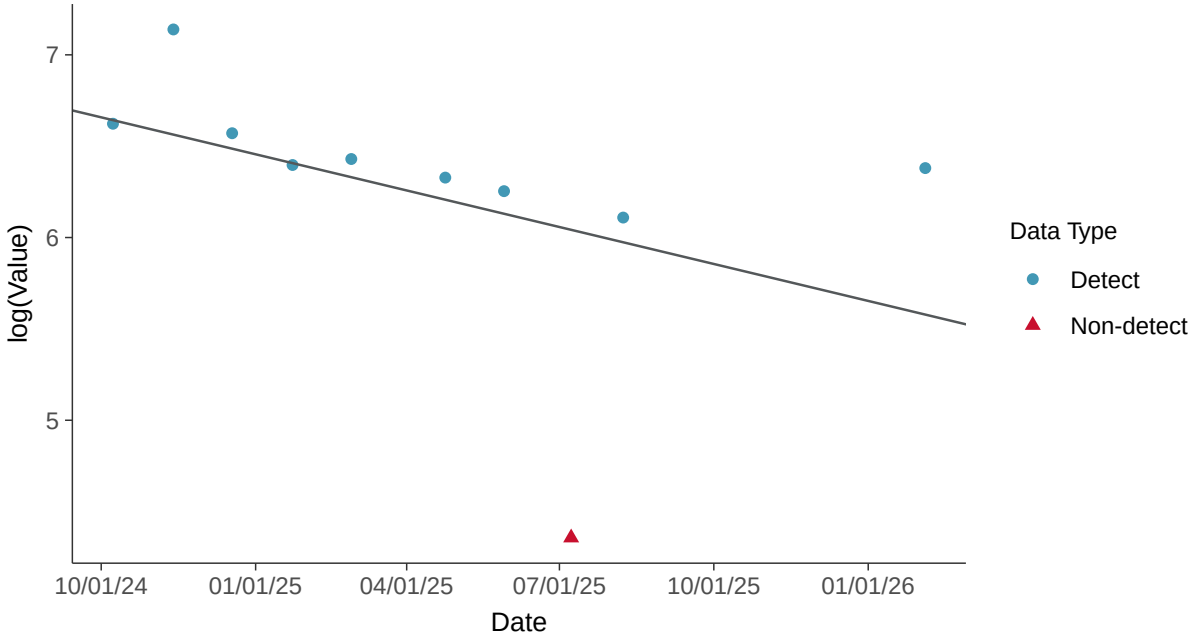
Gamma Q-Q plot using ROS Imputed Estimates

Total Dissolved Solids, MW-18D (mg/l)



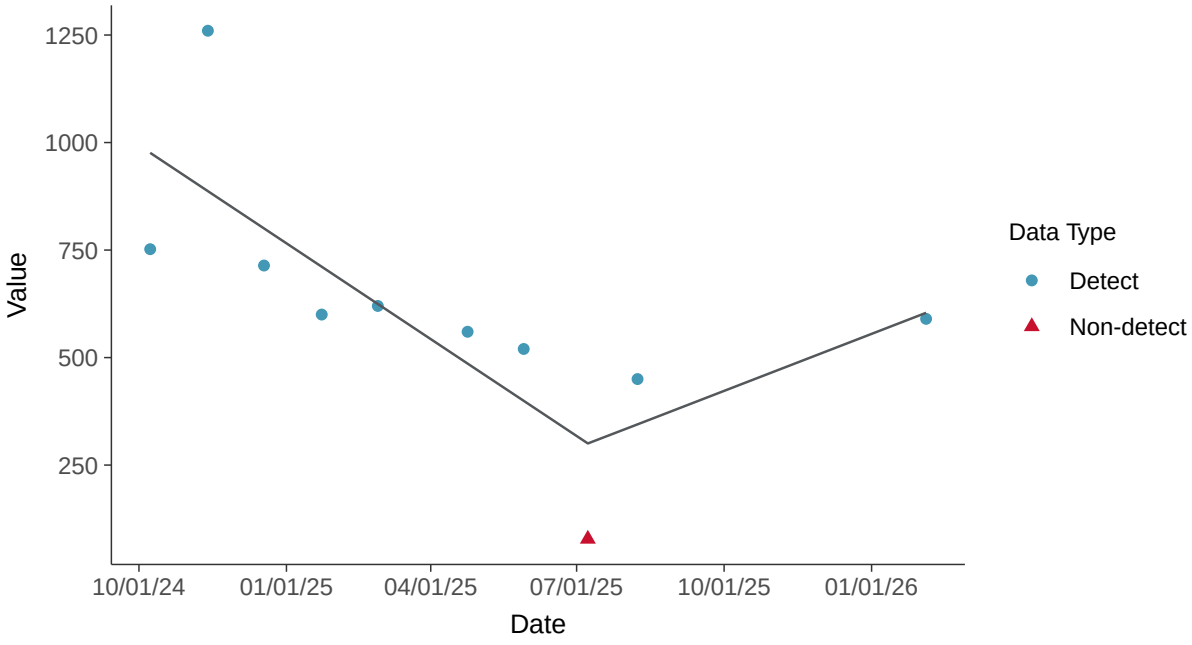
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-18D (mg/l)



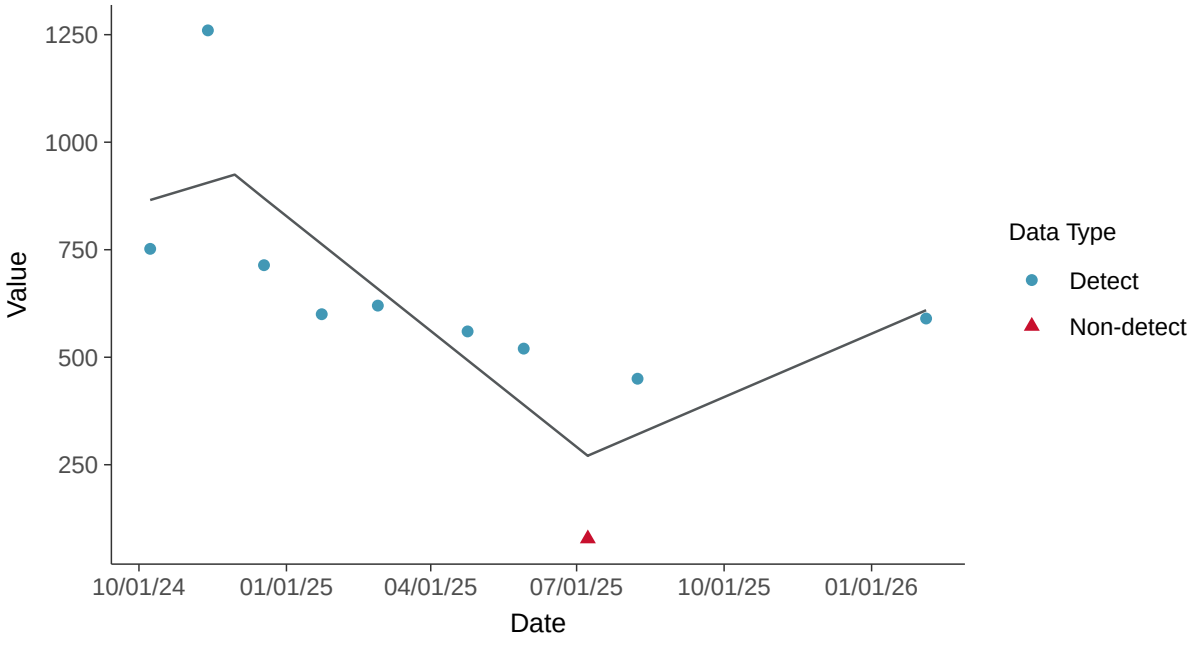
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-18D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Total Dissolved Solids, MW-18D (mg/l)

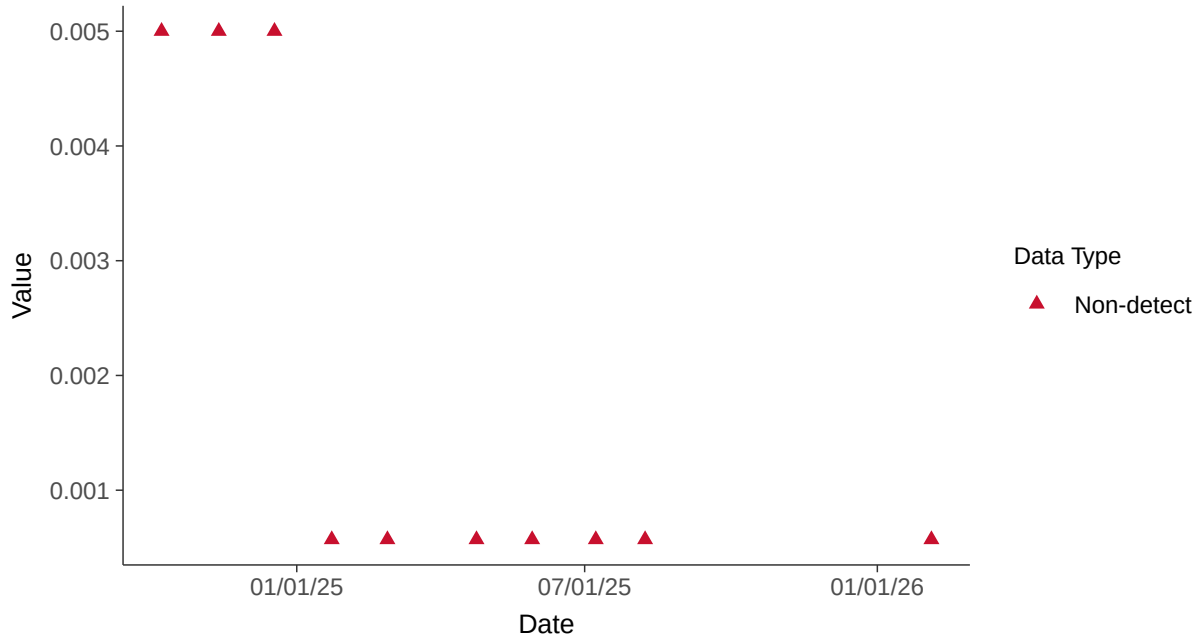


Appendix IV: Antimony, MW-18D

ID: 17_3_101

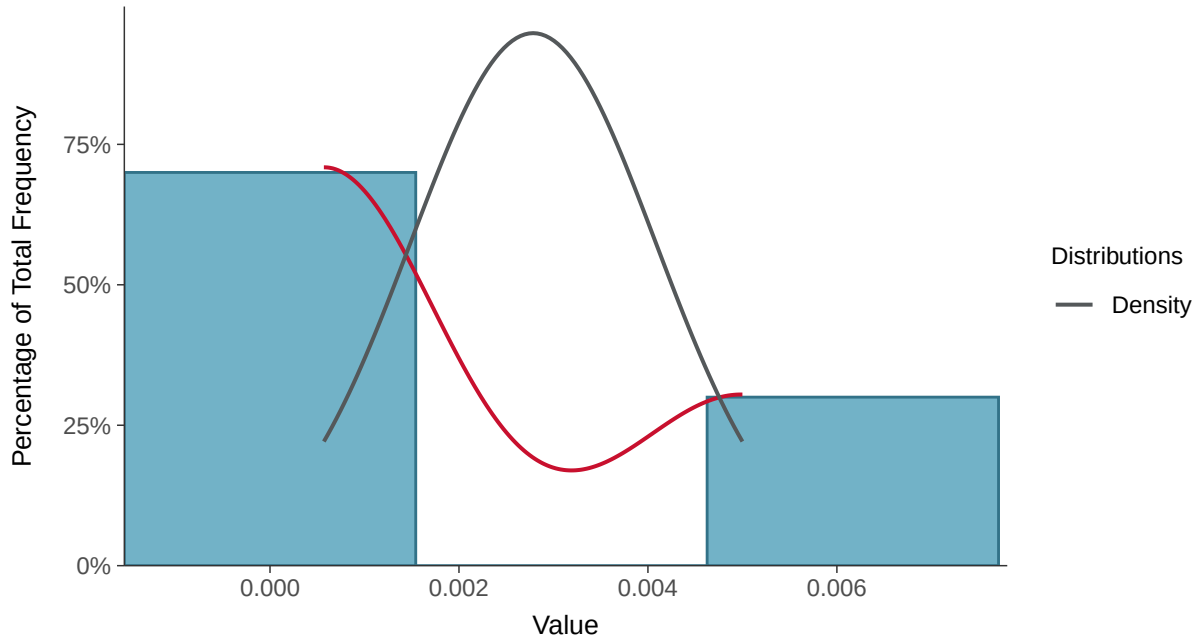
Scatter Plot

Antimony, MW-18D (mg/l)



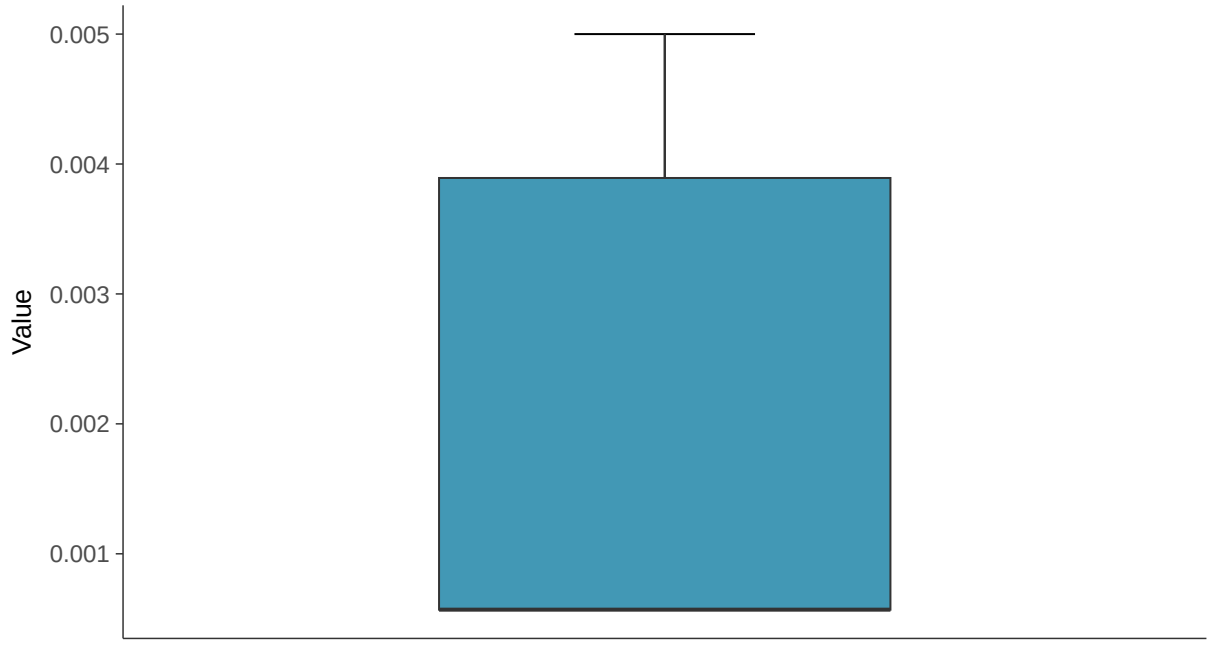
Histogram

Antimony, MW-18D (mg/l)



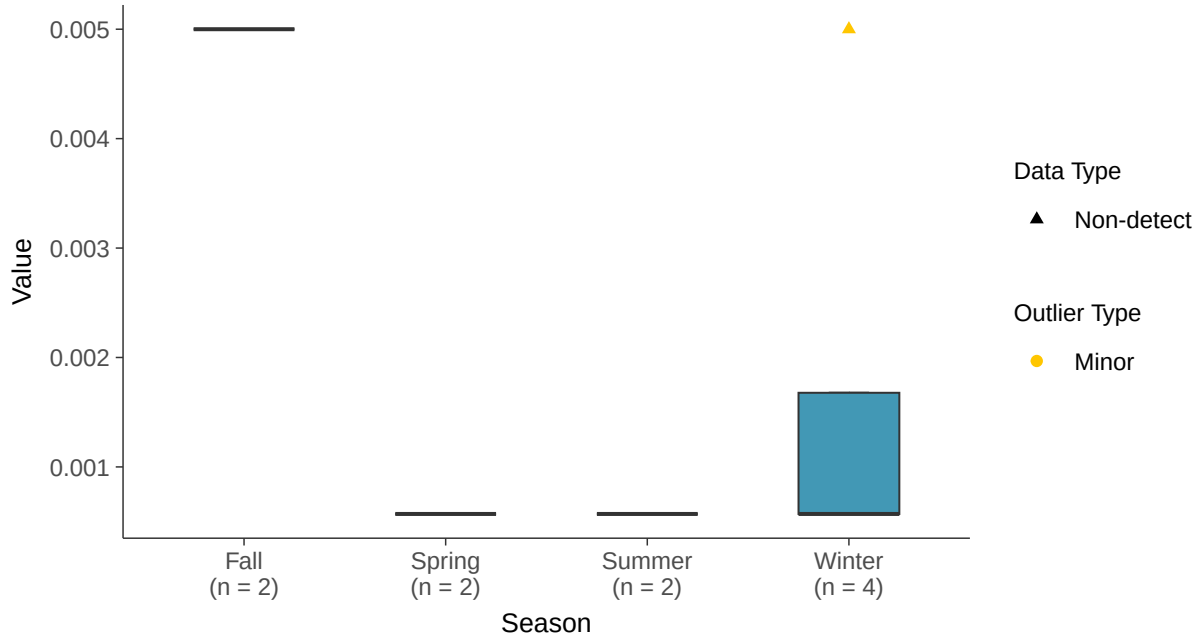
Boxplot

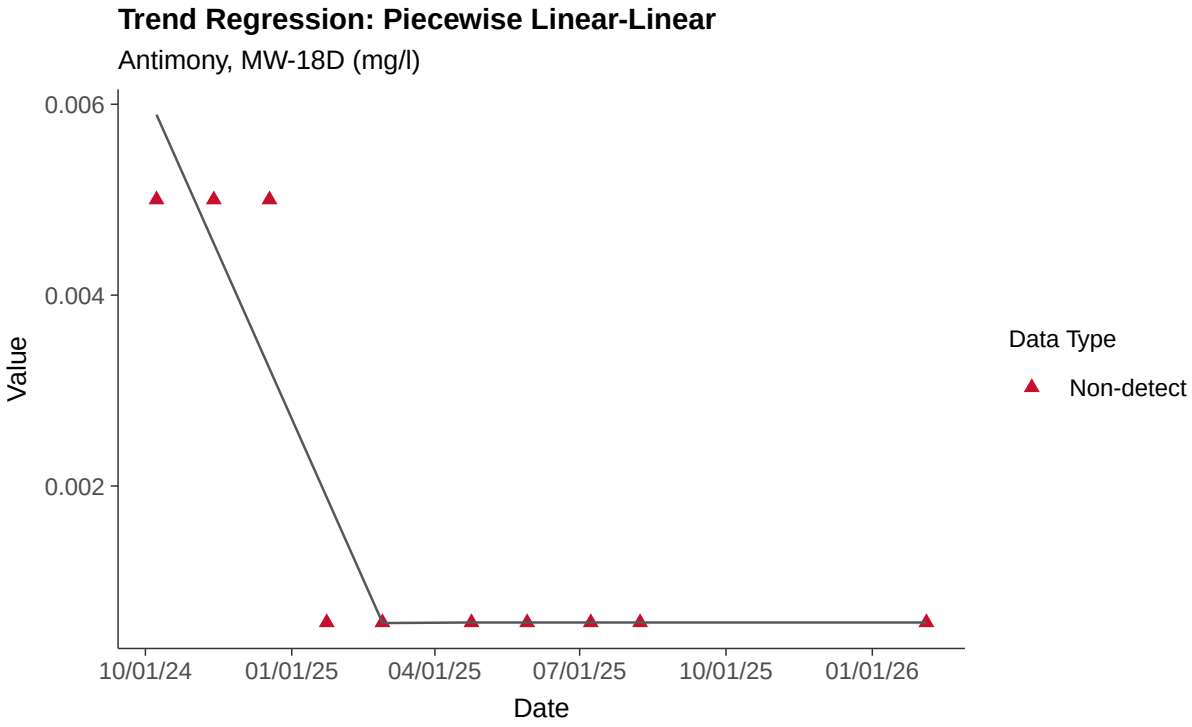
Antimony, MW-18D (mg/l)



Boxplot by Season

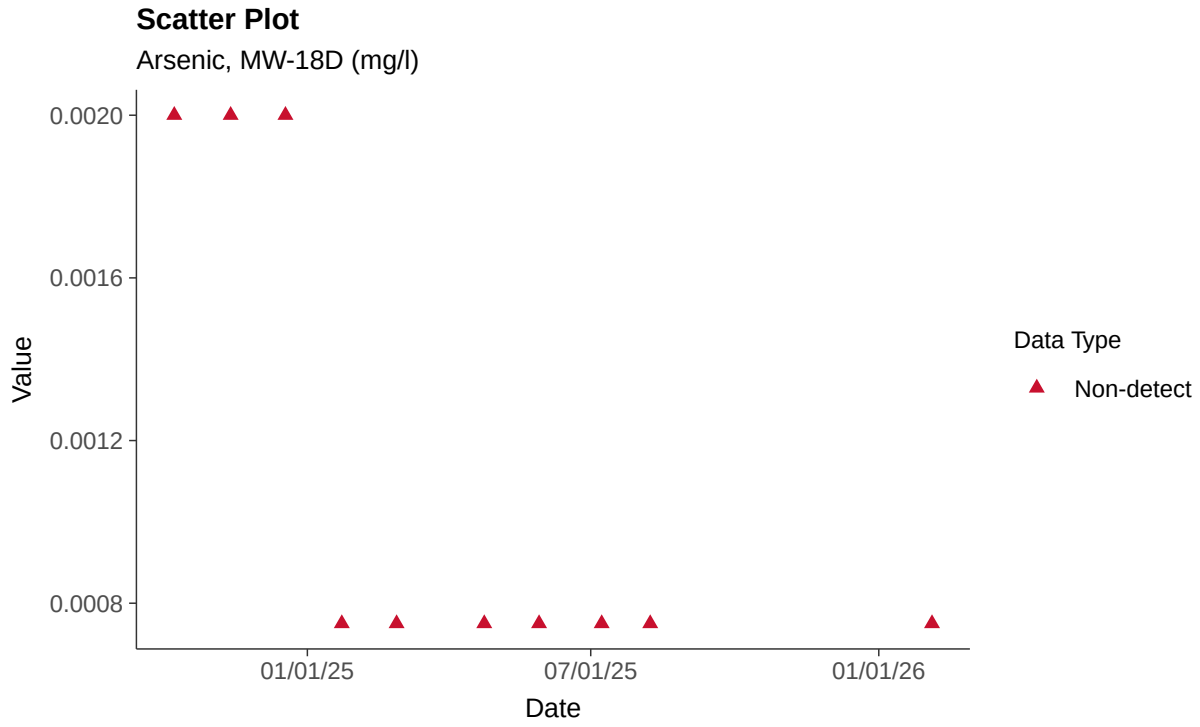
Antimony, MW-18D (mg/l)

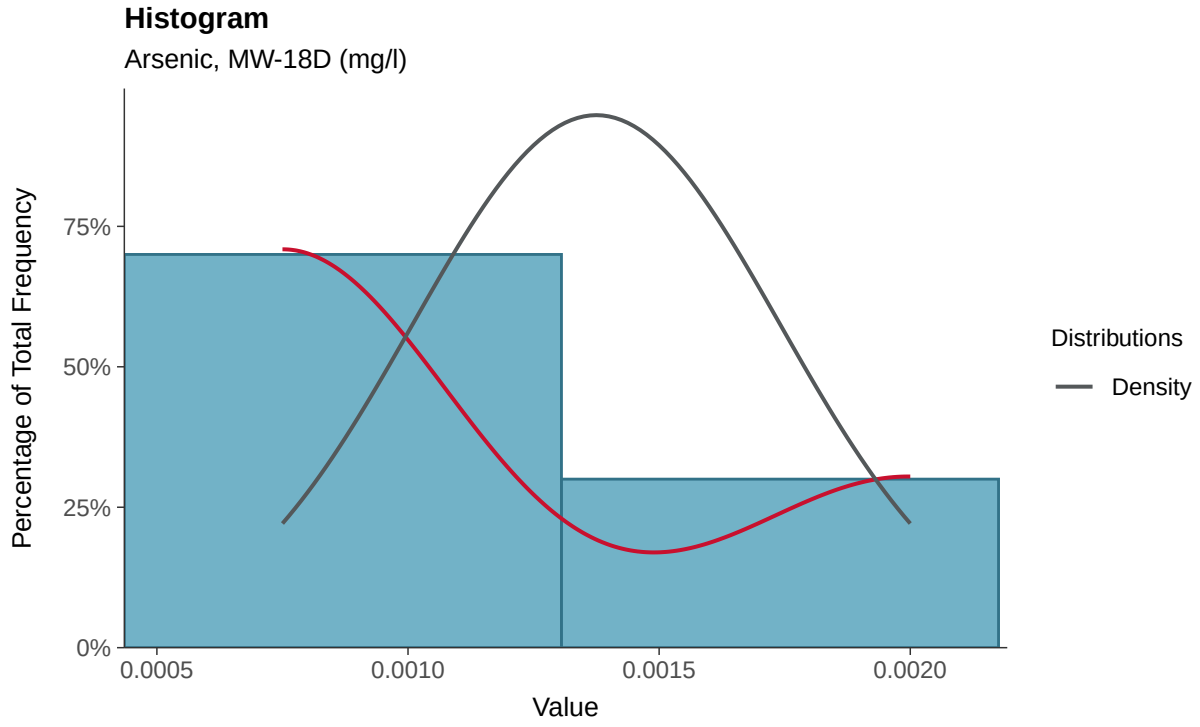



Trend Regression: Piecewise Linear-Linear
Antimony, MW-18D (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-18D

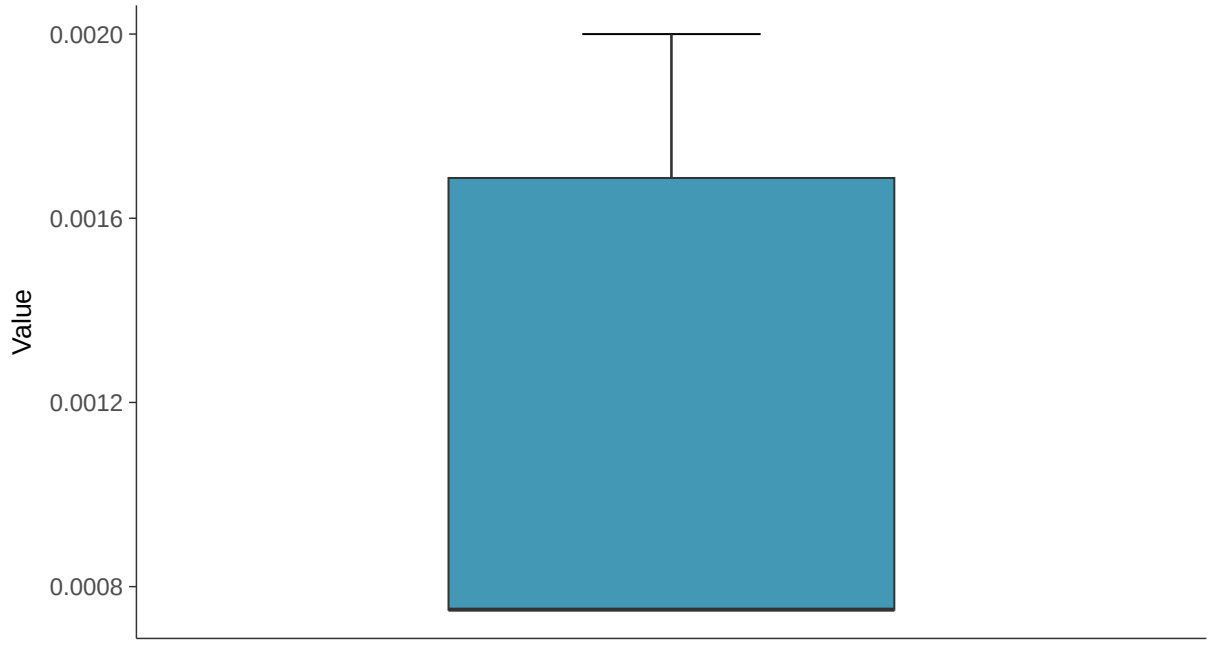
ID: 17_3_102





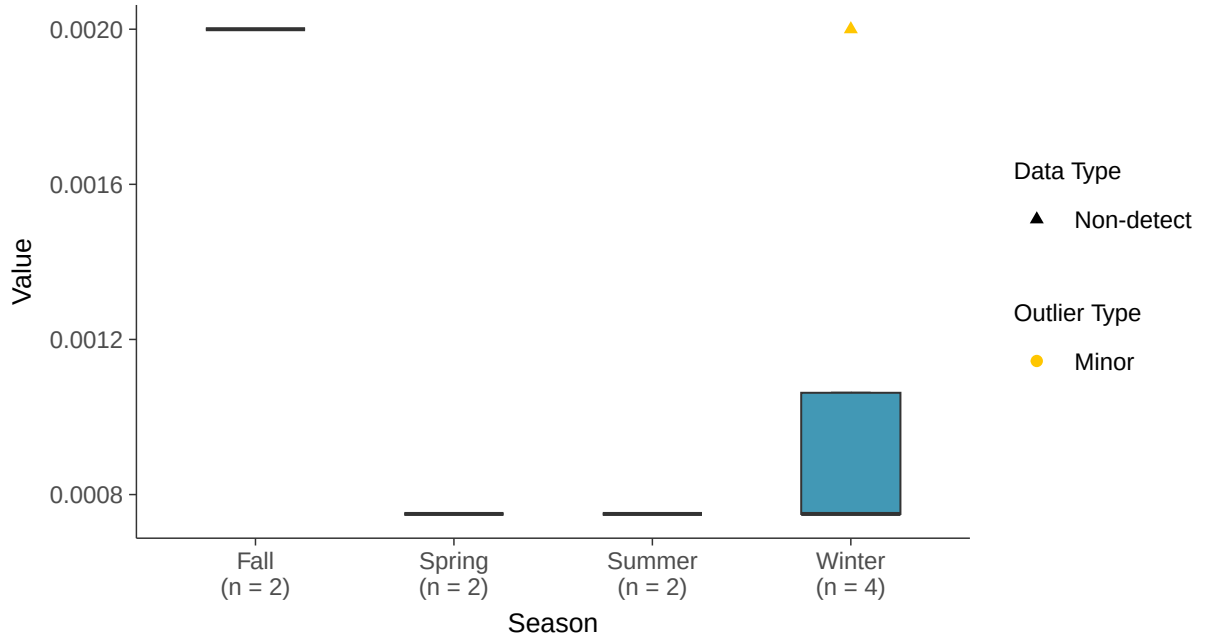
Boxplot

Arsenic, MW-18D (mg/l)



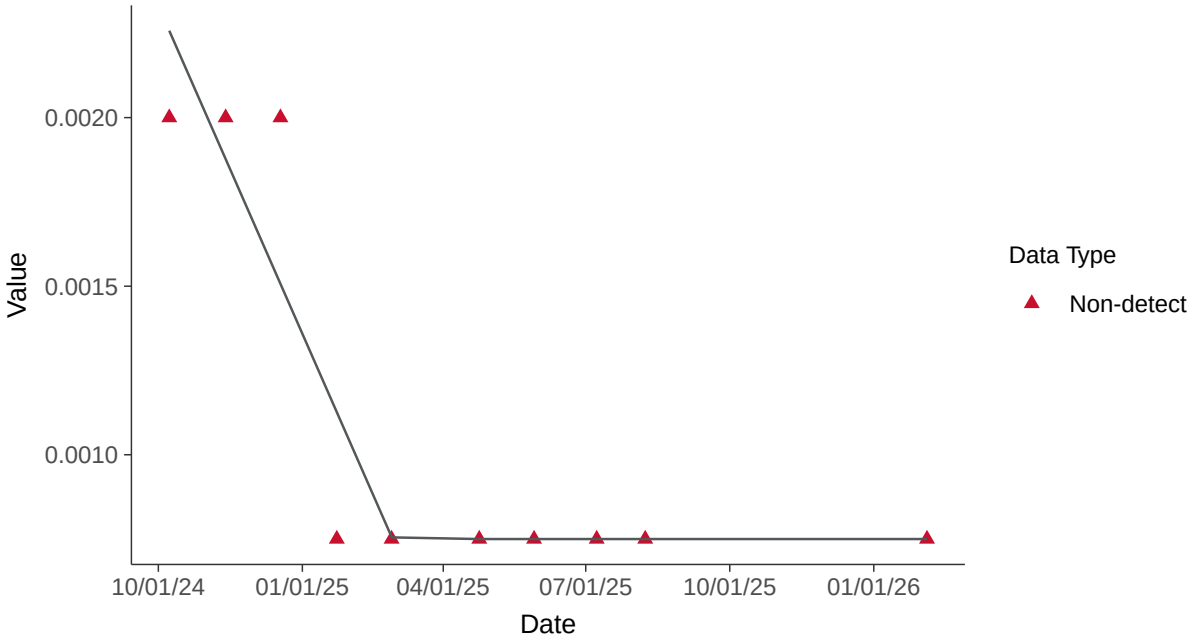
Boxplot by Season

Arsenic, MW-18D (mg/l)



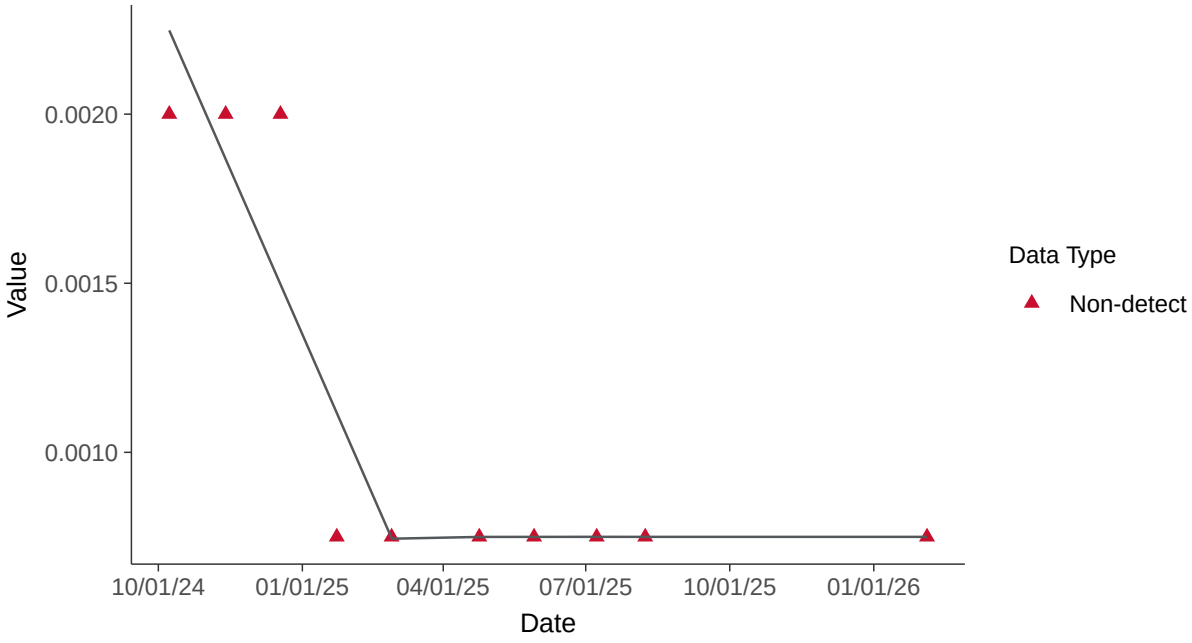
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-18D (mg/l)



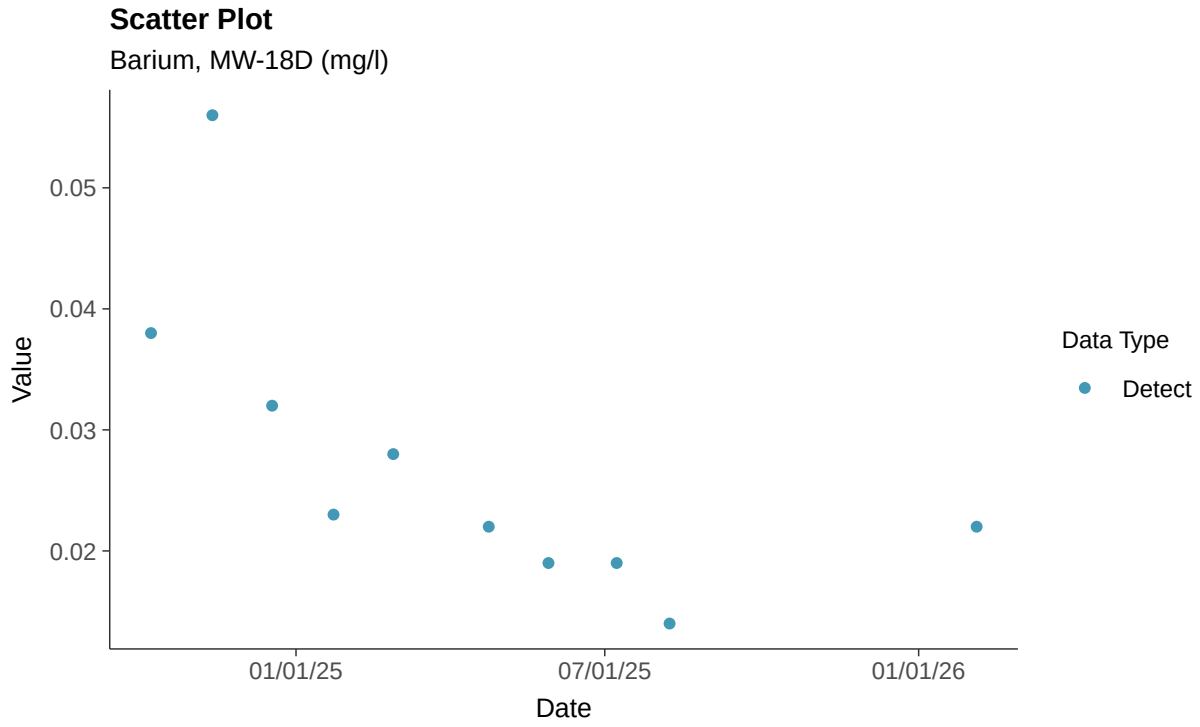
Trend Regression: Piecewise Linear-Linear-Linear

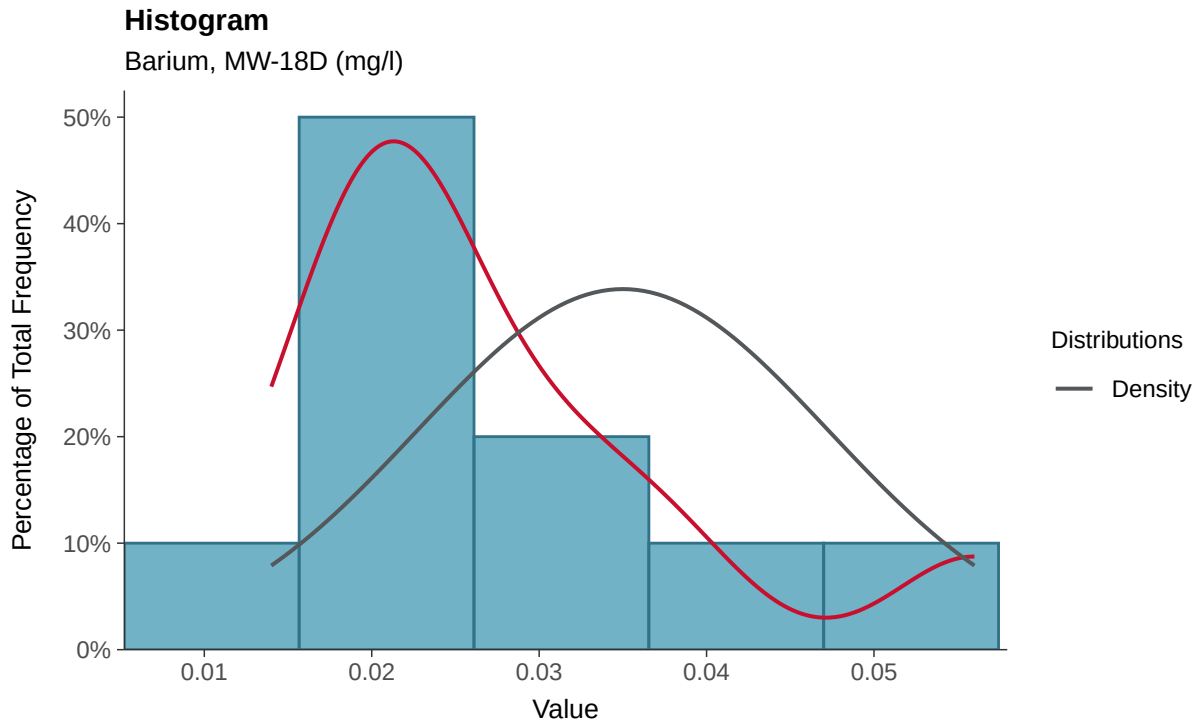
Arsenic, MW-18D (mg/l)



Appendix IV: Barium, MW-18D

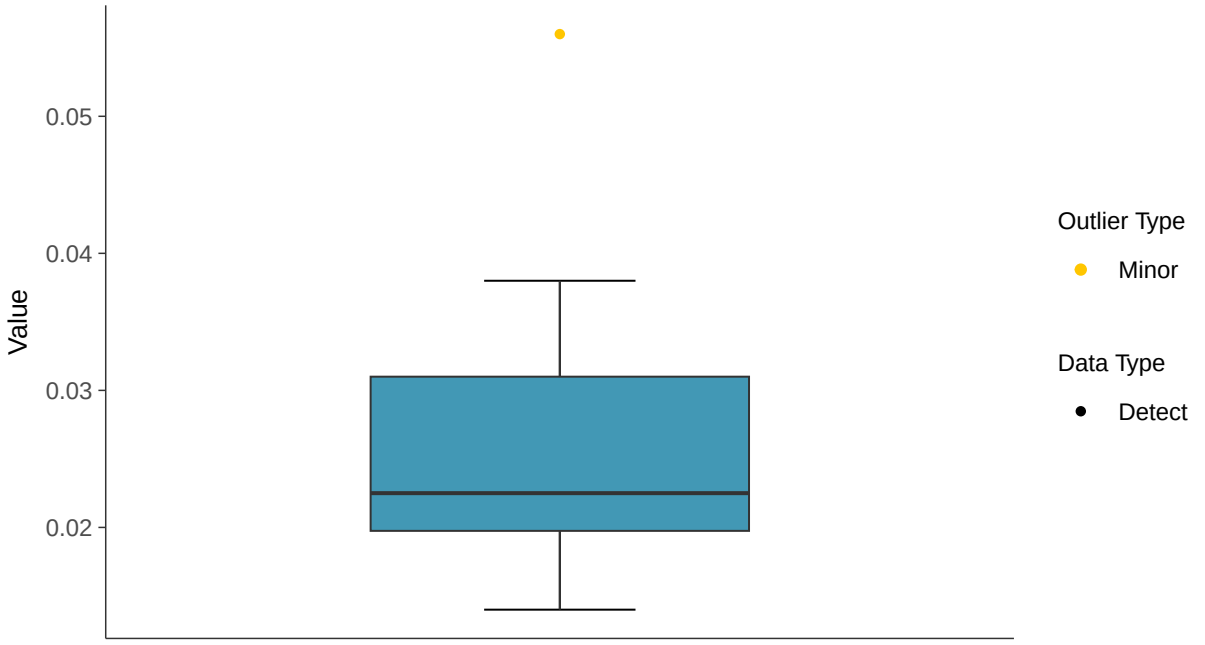
ID: 17_3_103





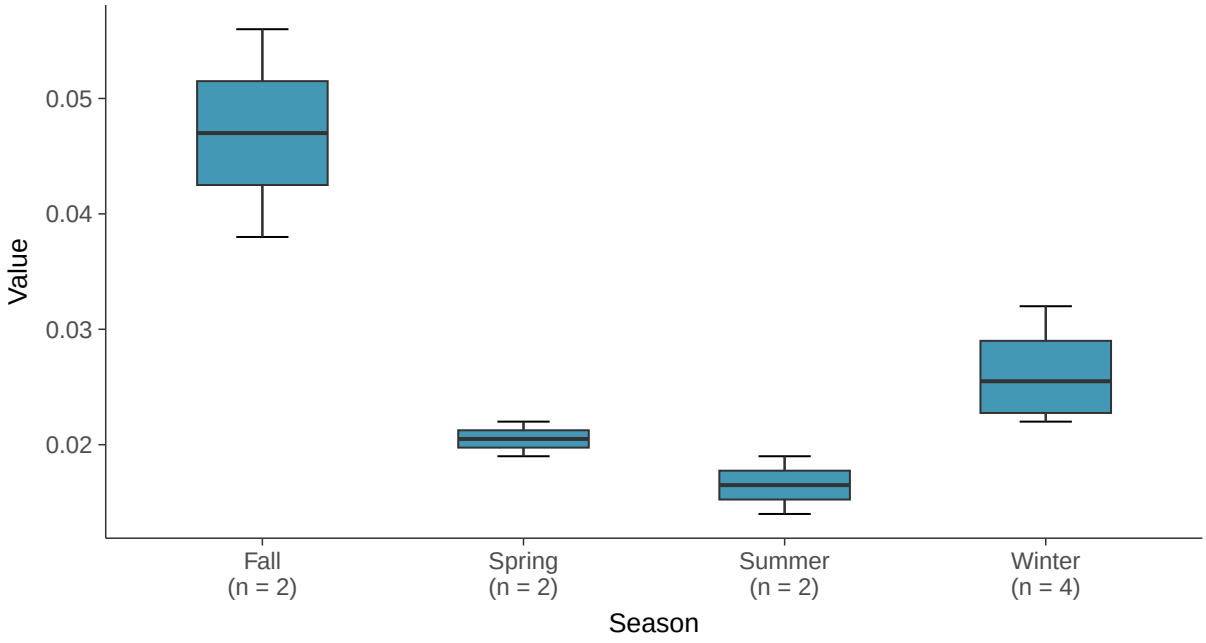
Boxplot

Barium, MW-18D (mg/l)



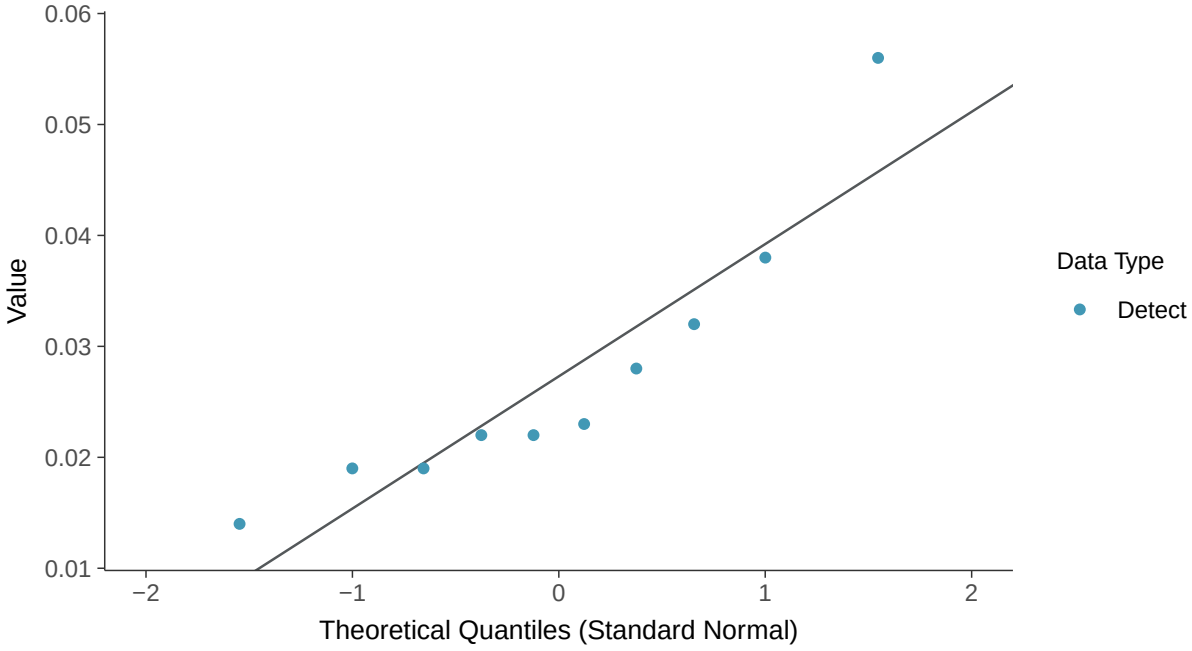
Boxplot by Season

Barium, MW-18D (mg/l)



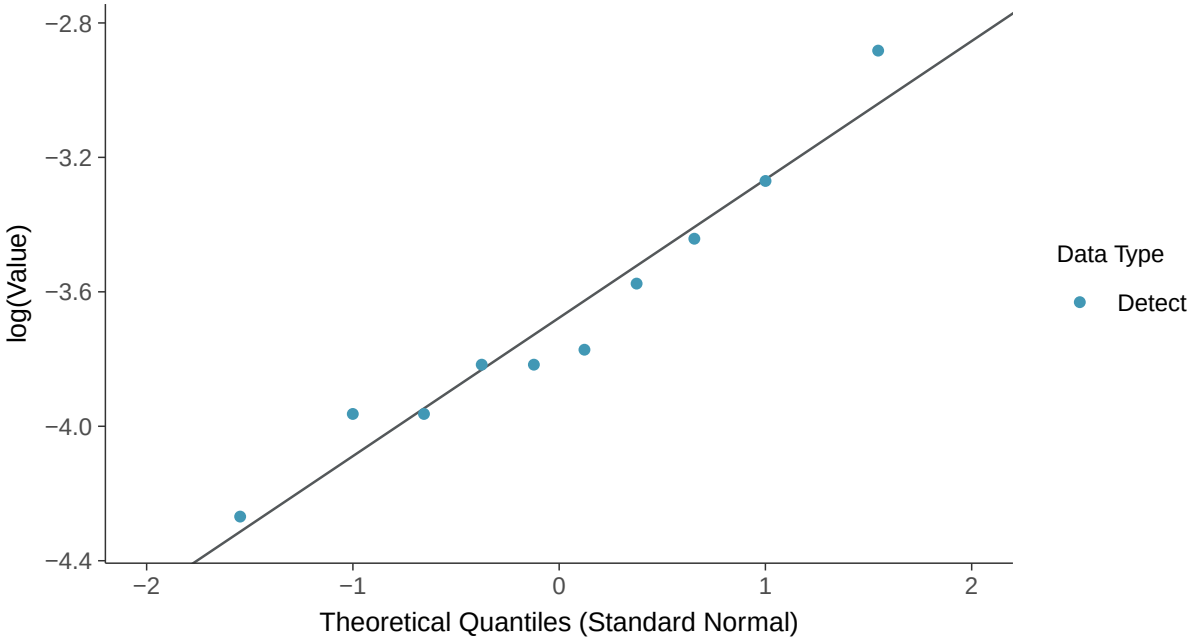
Normal Q-Q plot

Barium, MW-18D (mg/l)



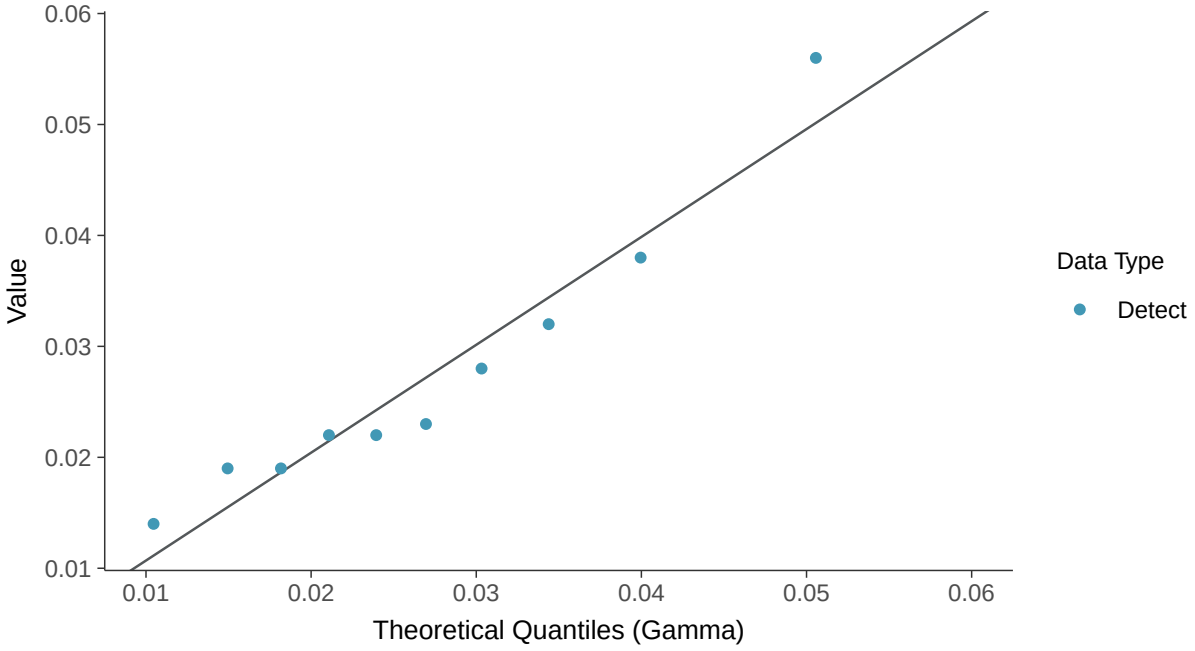
Lognormal Q-Q plot

Barium, MW-18D (mg/l)



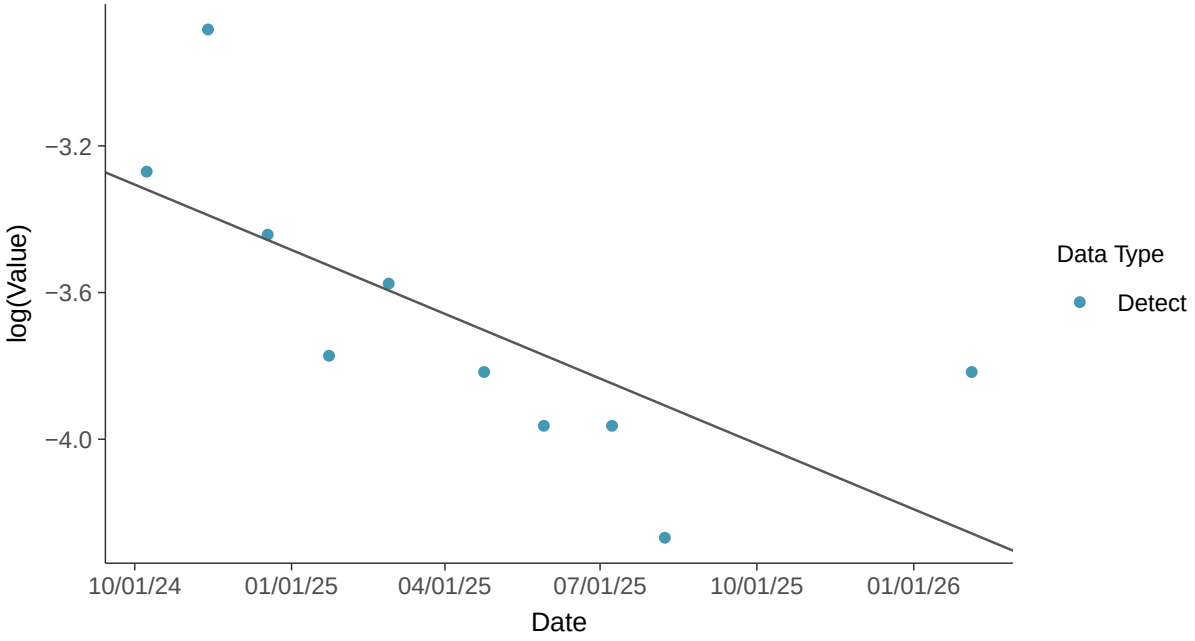
Gamma Q-Q plot

Barium, MW-18D (mg/l)



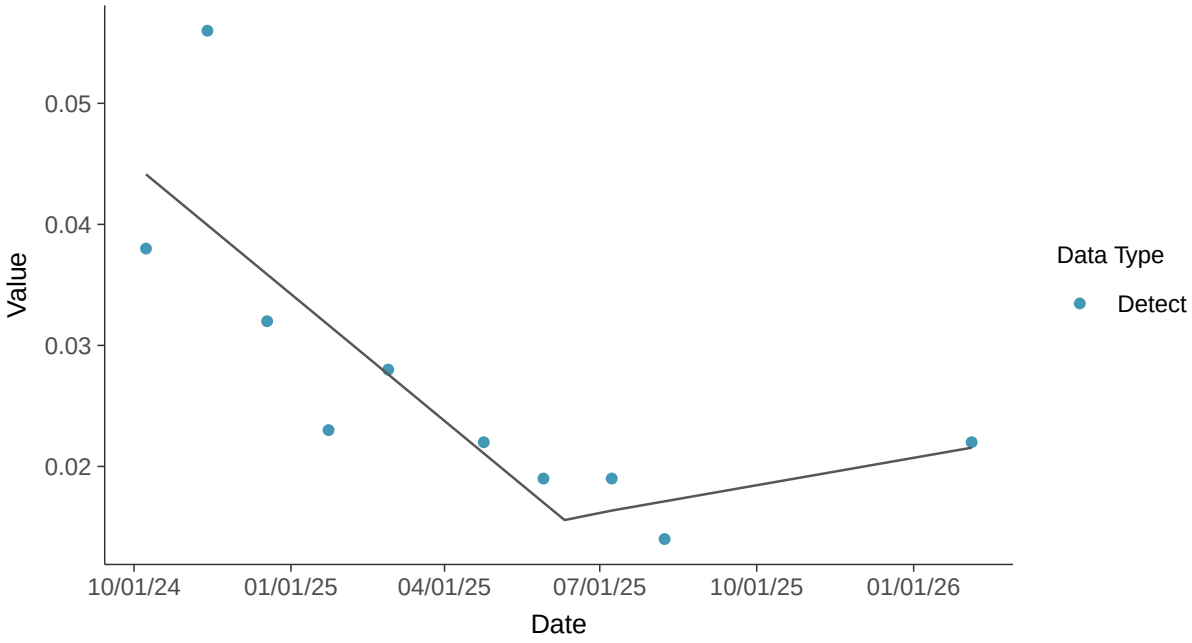
Trend Regression: Lognormal MLE

Barium, MW-18D (mg/l)



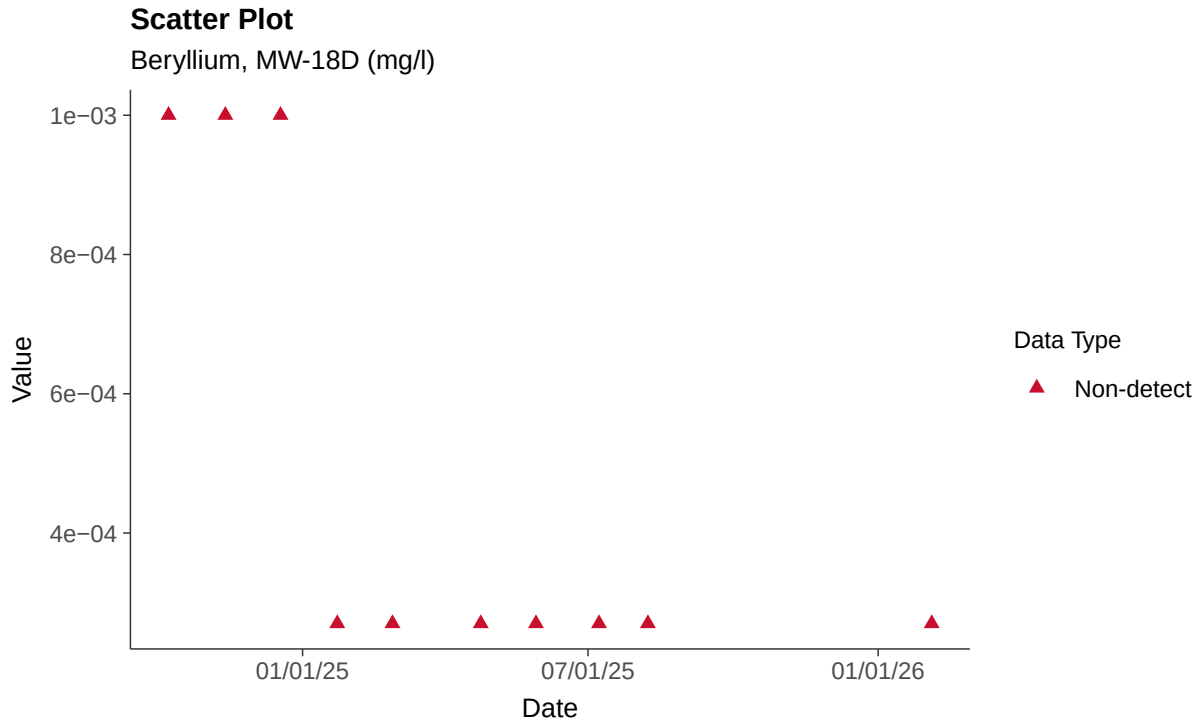
Trend Regression: Piecewise Linear-Linear

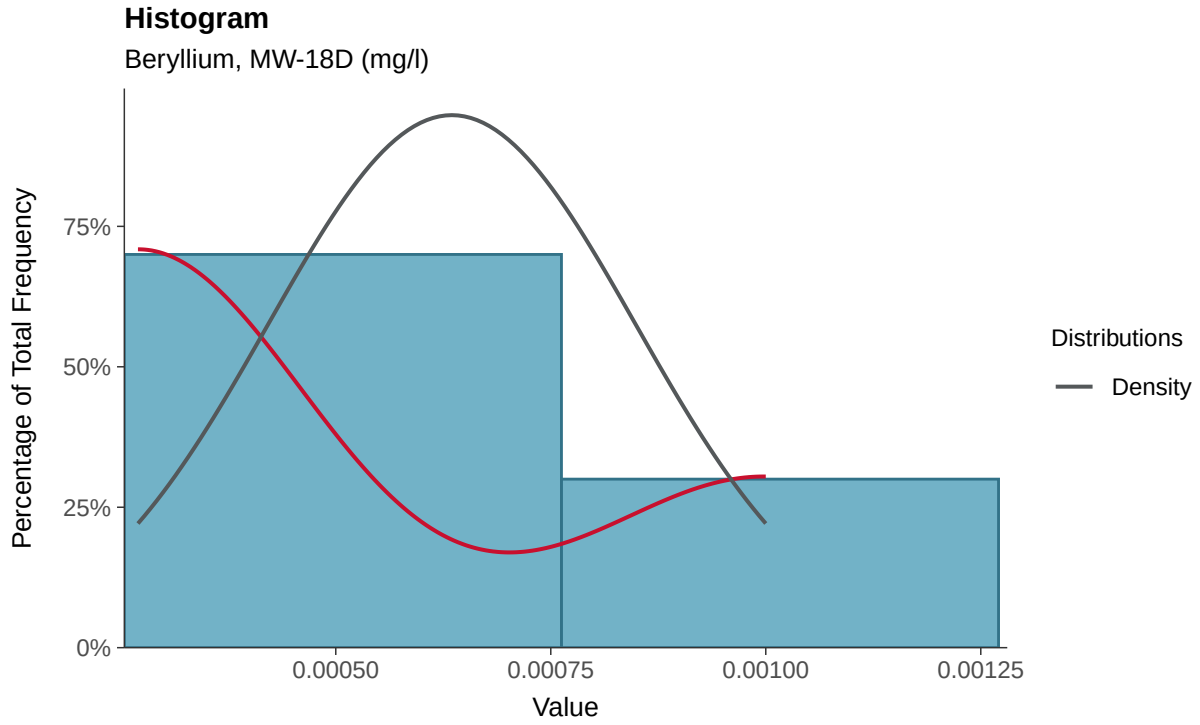
Barium, MW-18D (mg/l)



Appendix IV: Beryllium, MW-18D

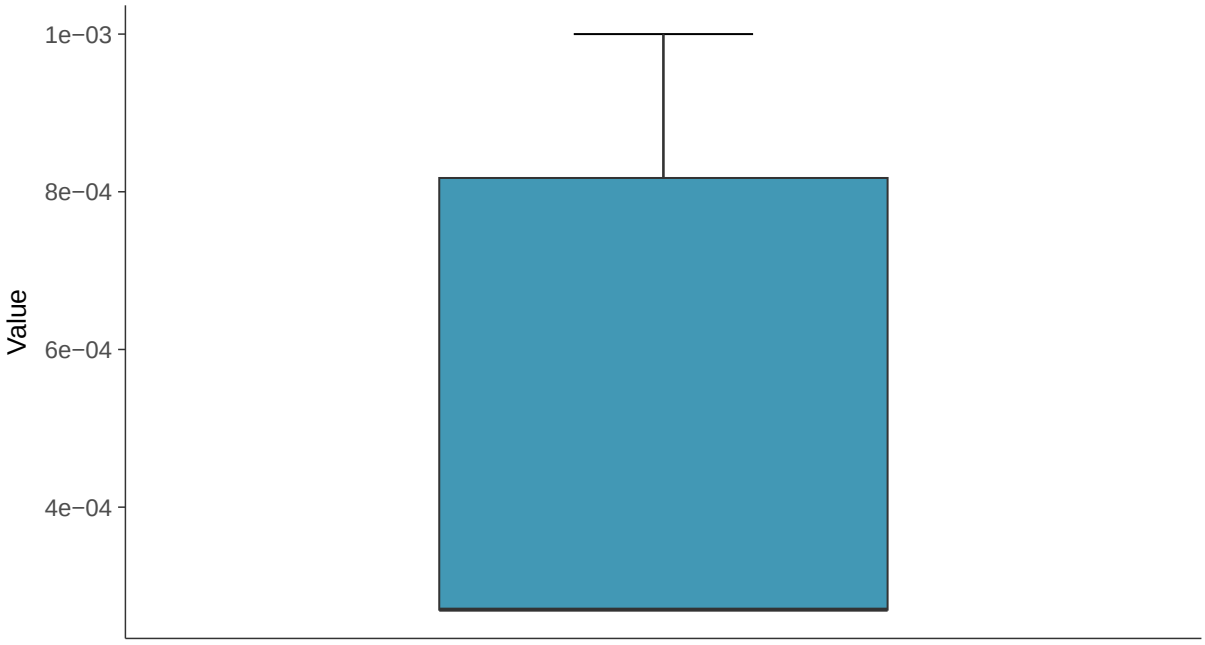
ID: 17_3_104





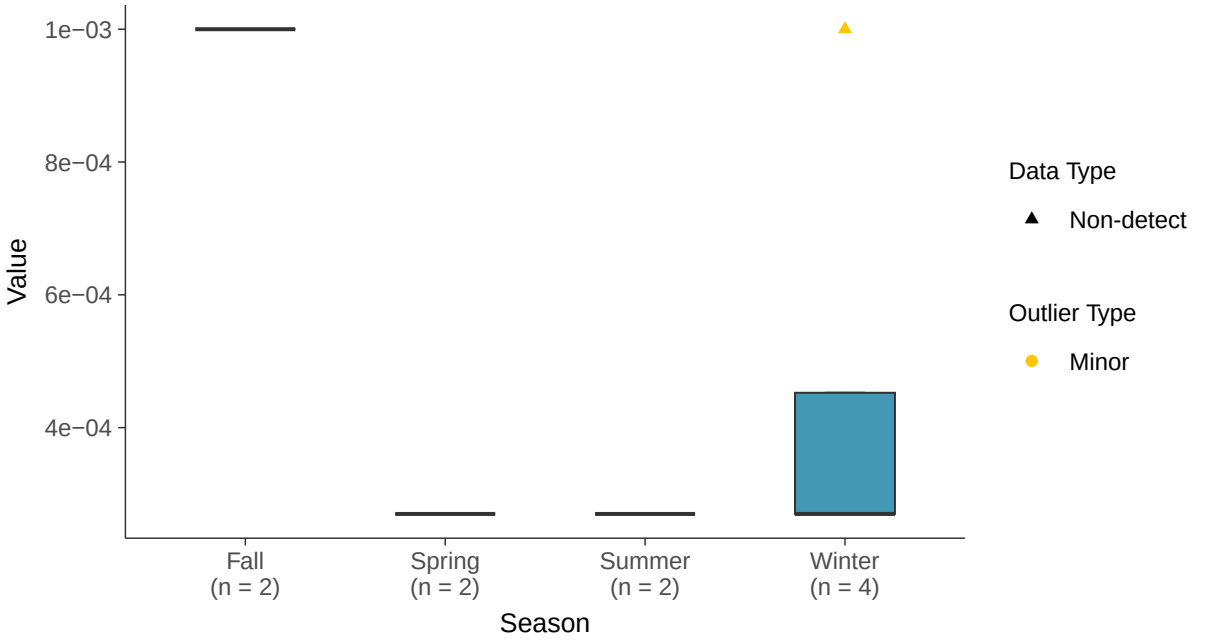
Boxplot

Beryllium, MW-18D (mg/l)



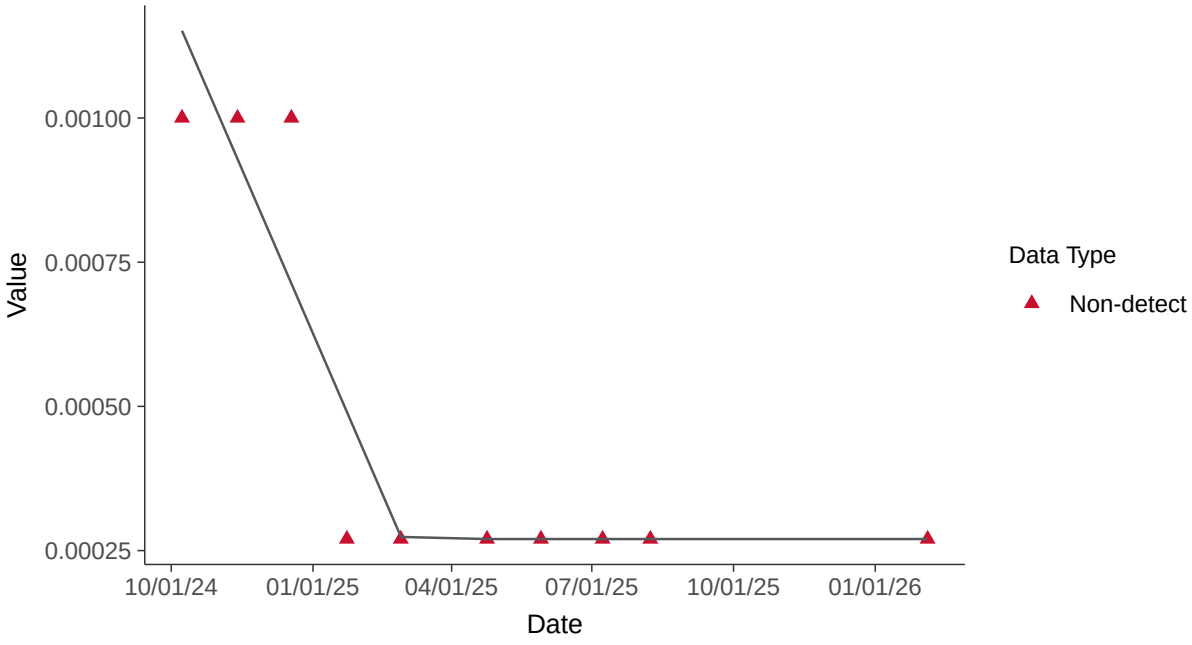
Boxplot by Season

Beryllium, MW-18D (mg/l)



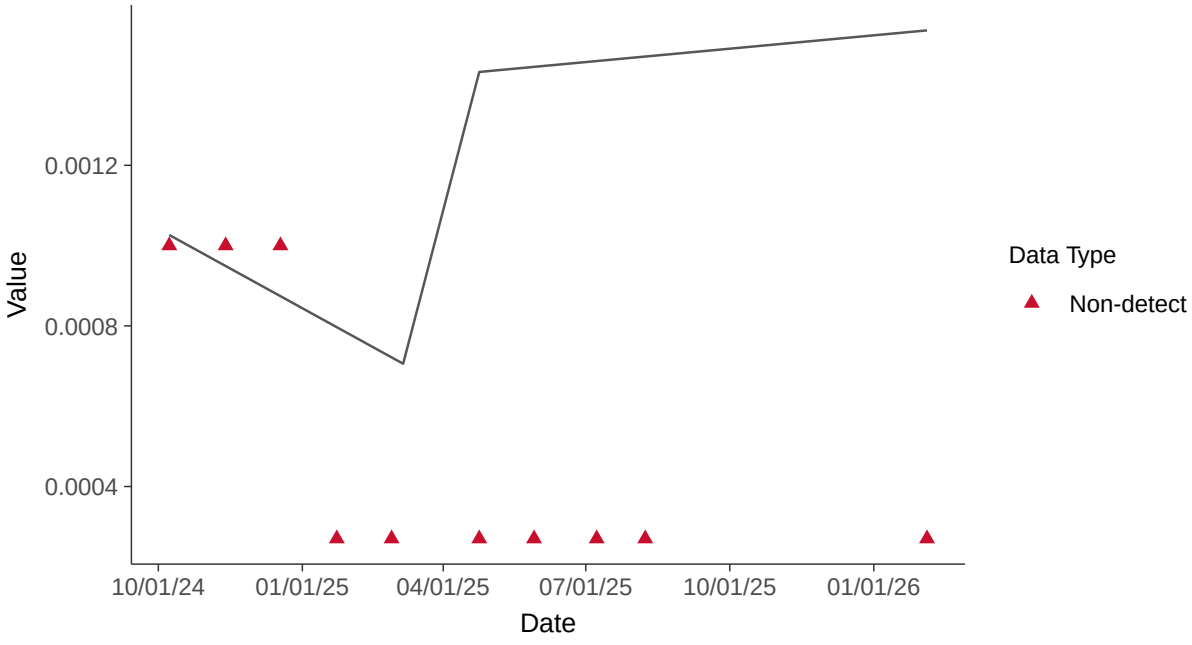
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-18D (mg/l)



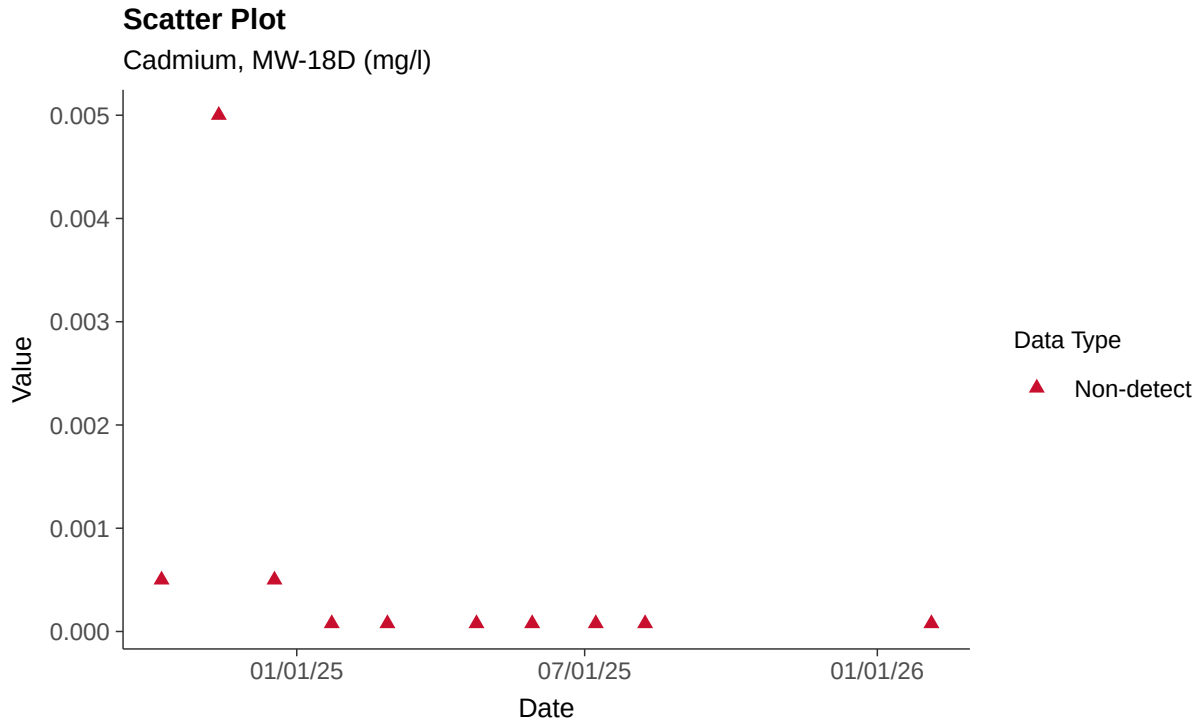
Trend Regression: Piecewise Linear-Linear-Linear

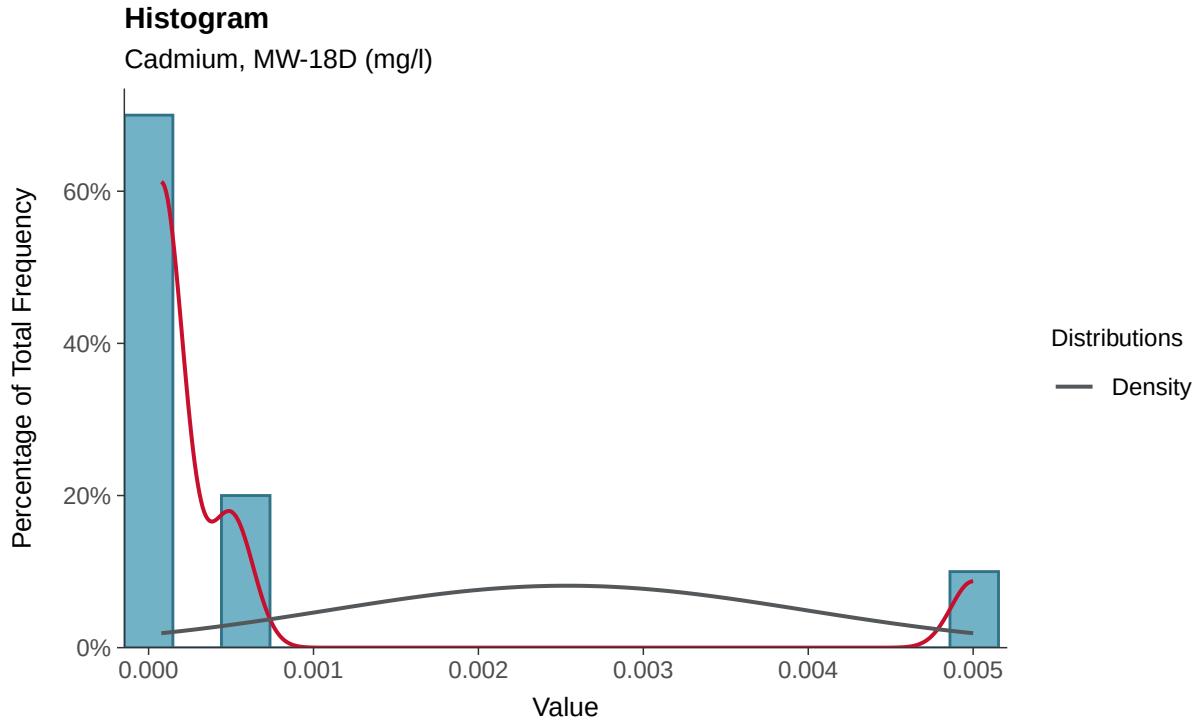
Beryllium, MW-18D (mg/l)



Appendix IV: Cadmium, MW-18D

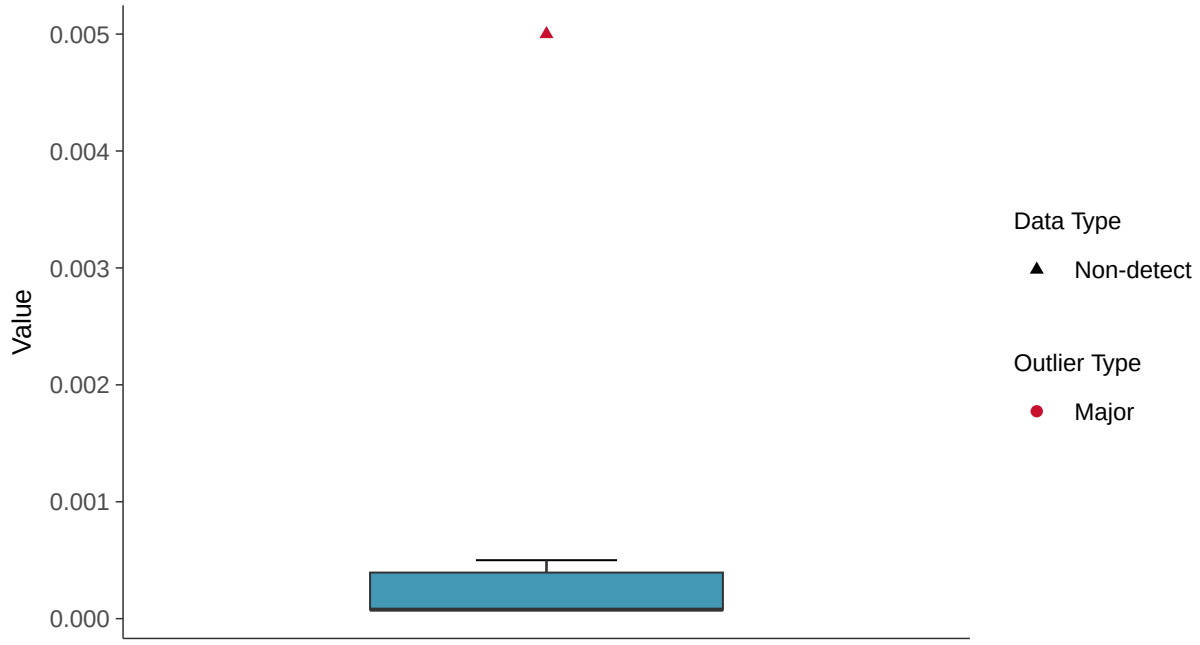
ID: 17_3_106





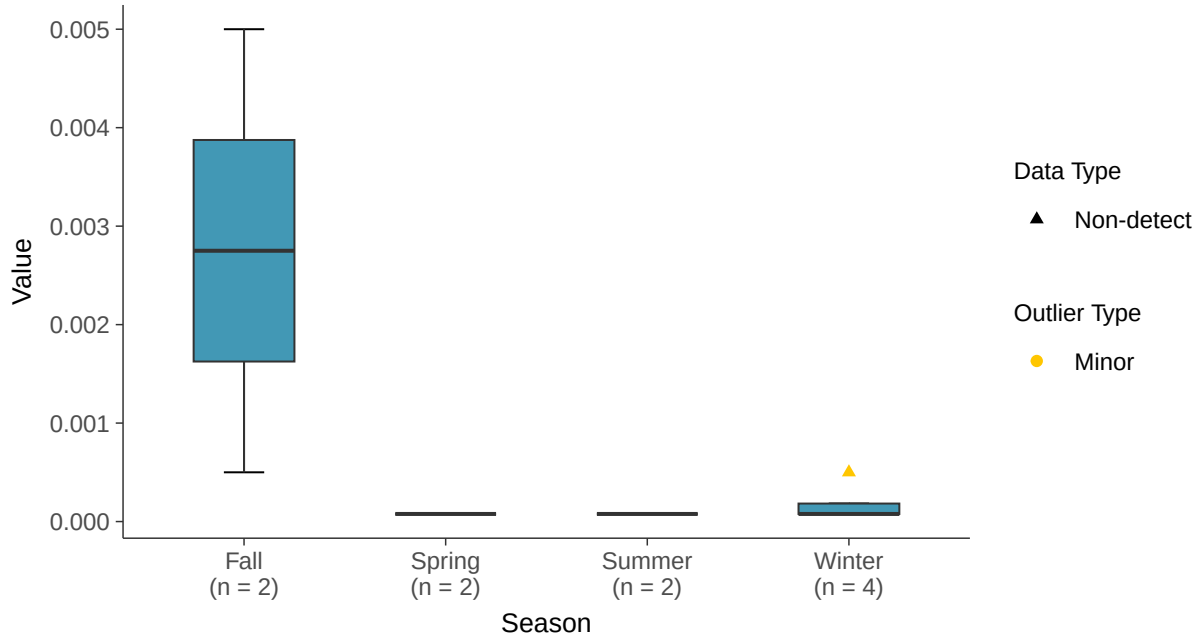
Boxplot

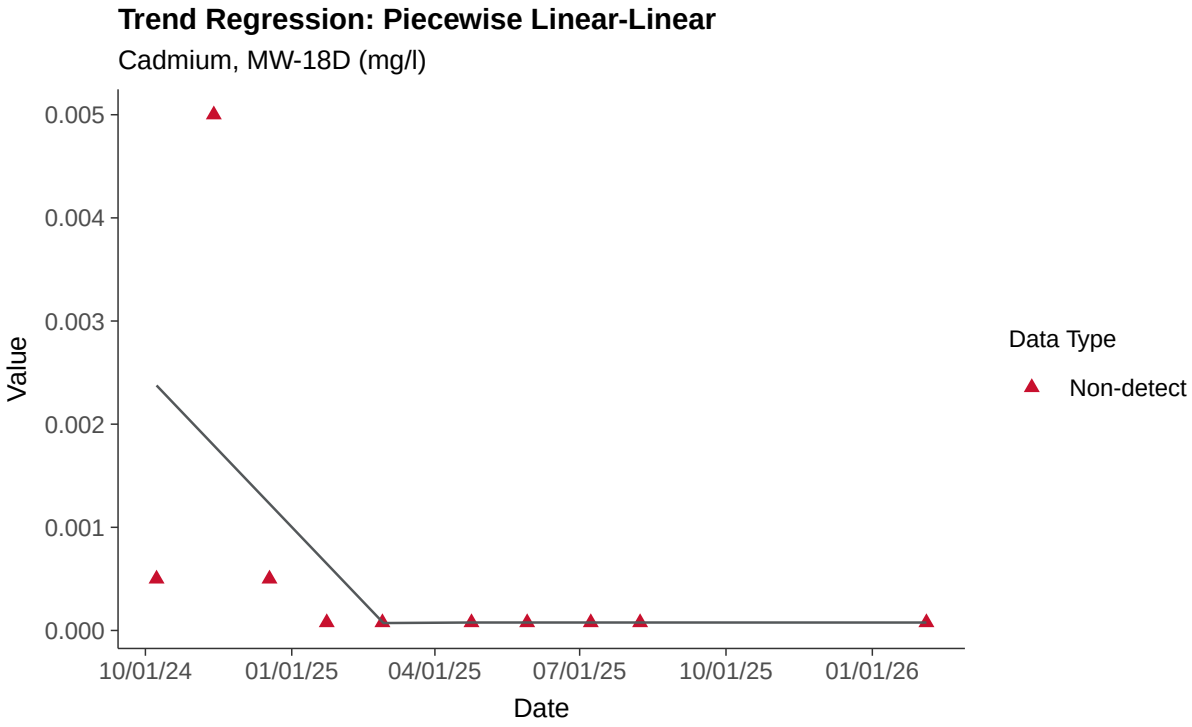
Cadmium, MW-18D (mg/l)



Boxplot by Season

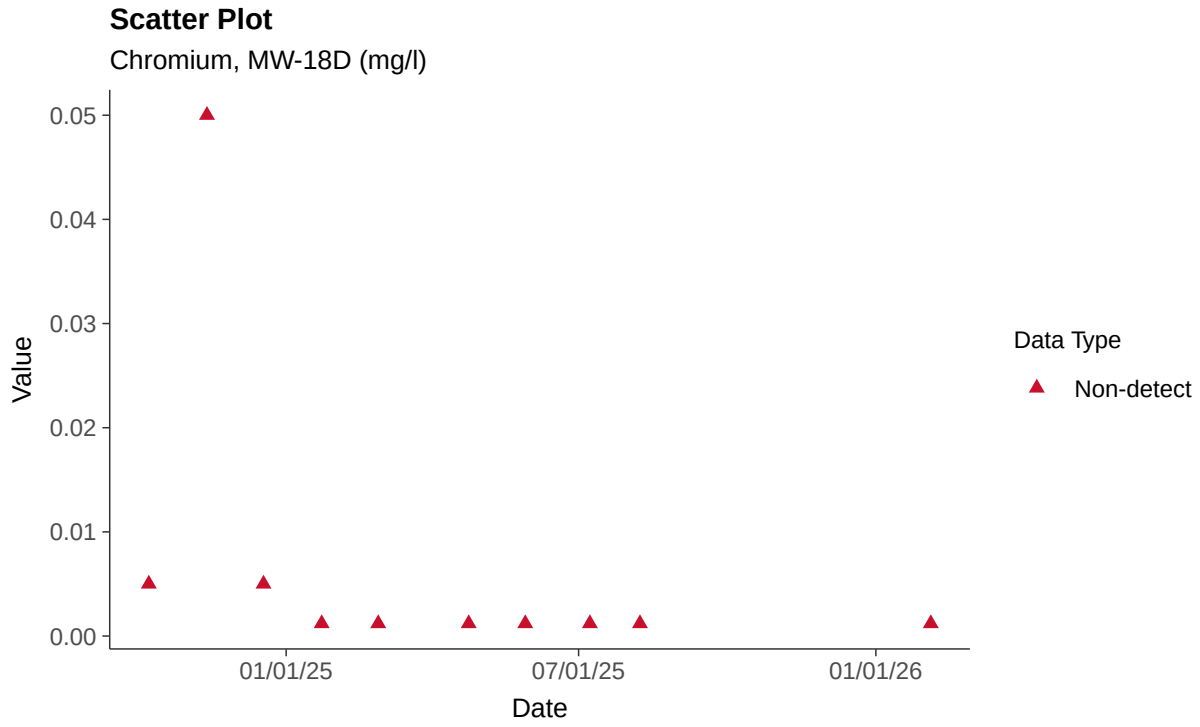
Cadmium, MW-18D (mg/l)

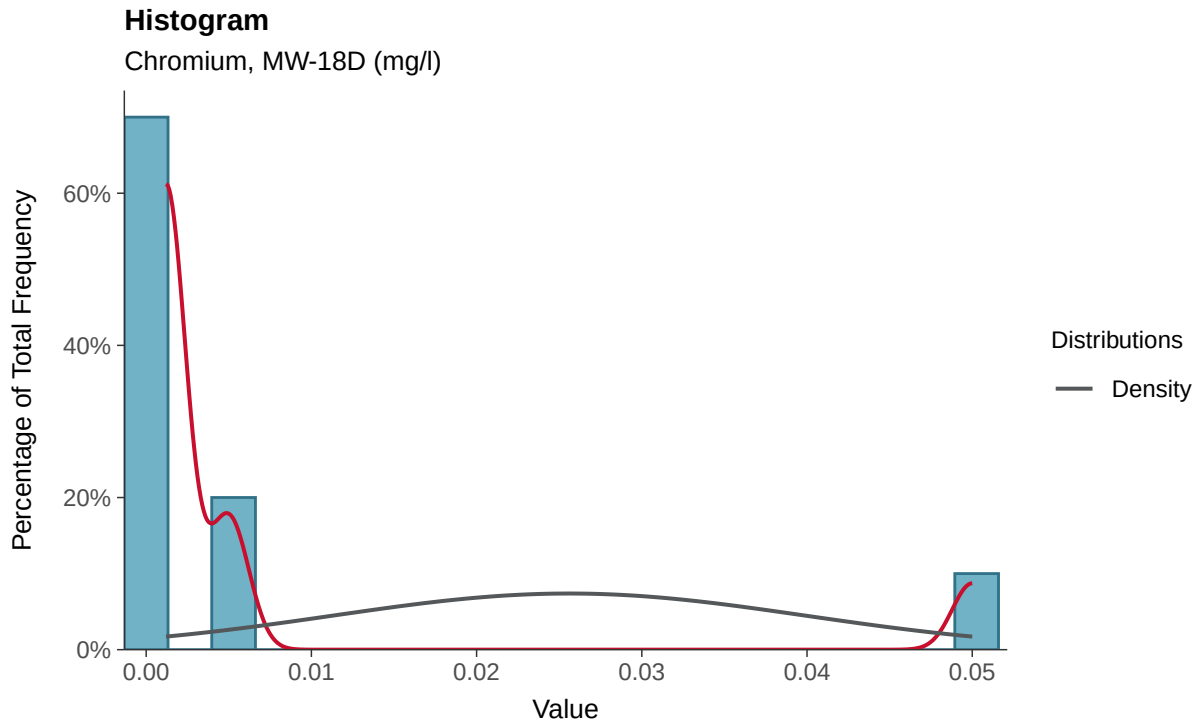



Trend Regression: Piecewise Linear-Linear
Cadmium, MW-18D (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Chromium, MW-18D

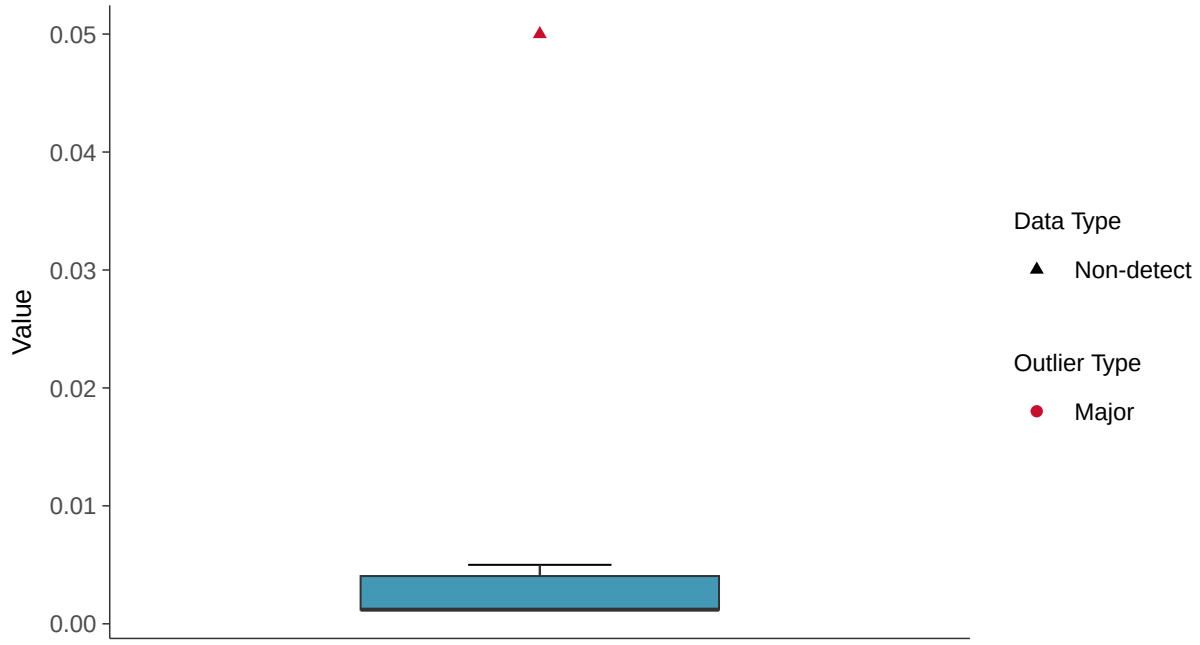
ID: 17_3_109





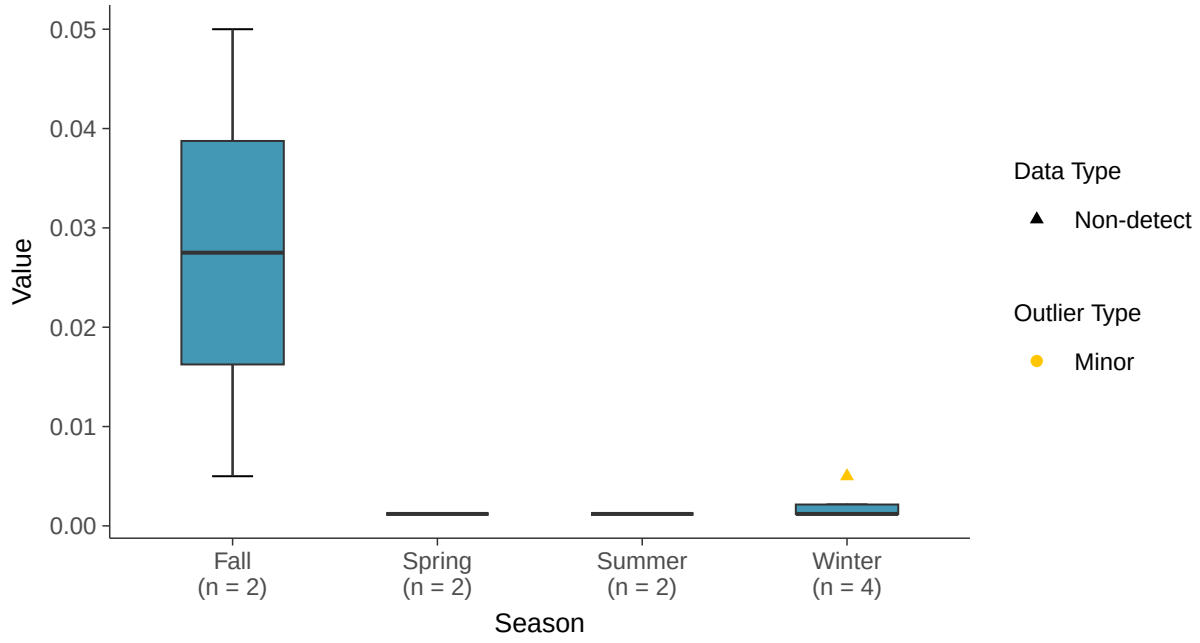
Boxplot

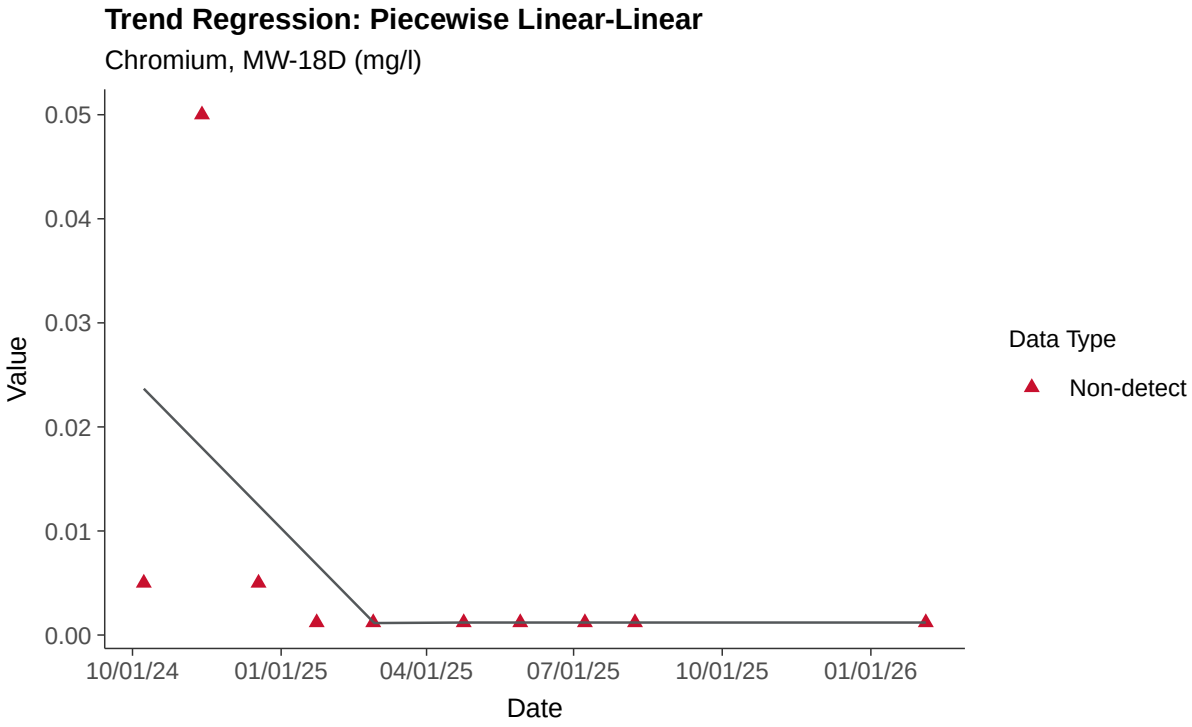
Chromium, MW-18D (mg/l)



Boxplot by Season

Chromium, MW-18D (mg/l)



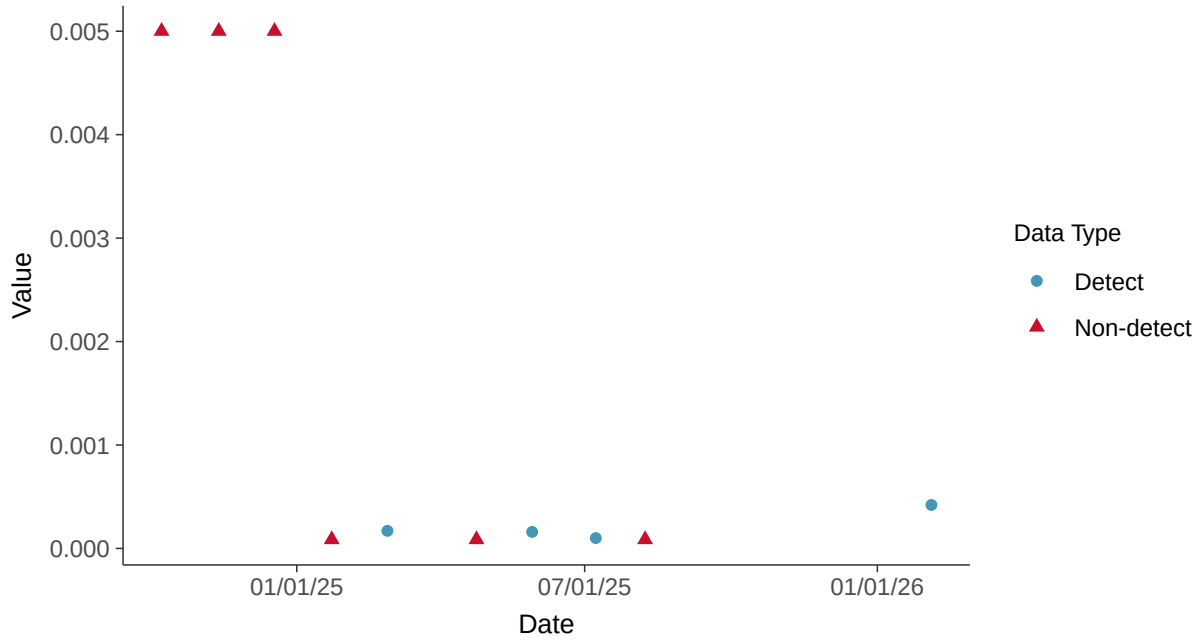

Trend Regression: Piecewise Linear-Linear
Chromium, MW-18D (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Cobalt, MW-18D

ID: 17_3_110

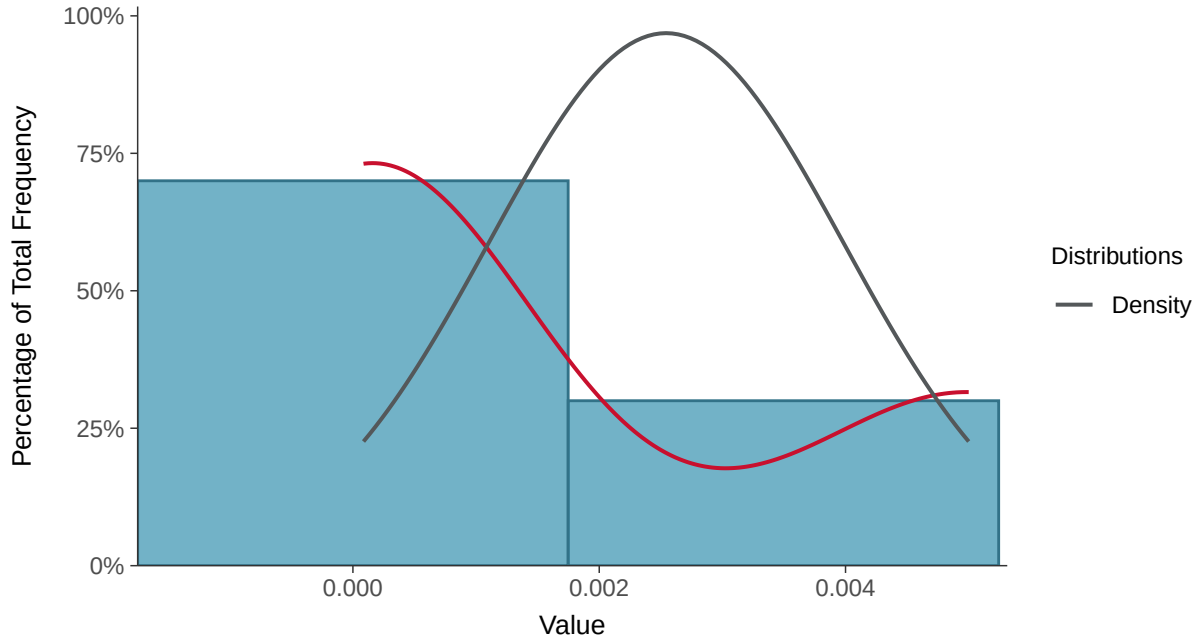
Scatter Plot

Cobalt, MW-18D (mg/l)



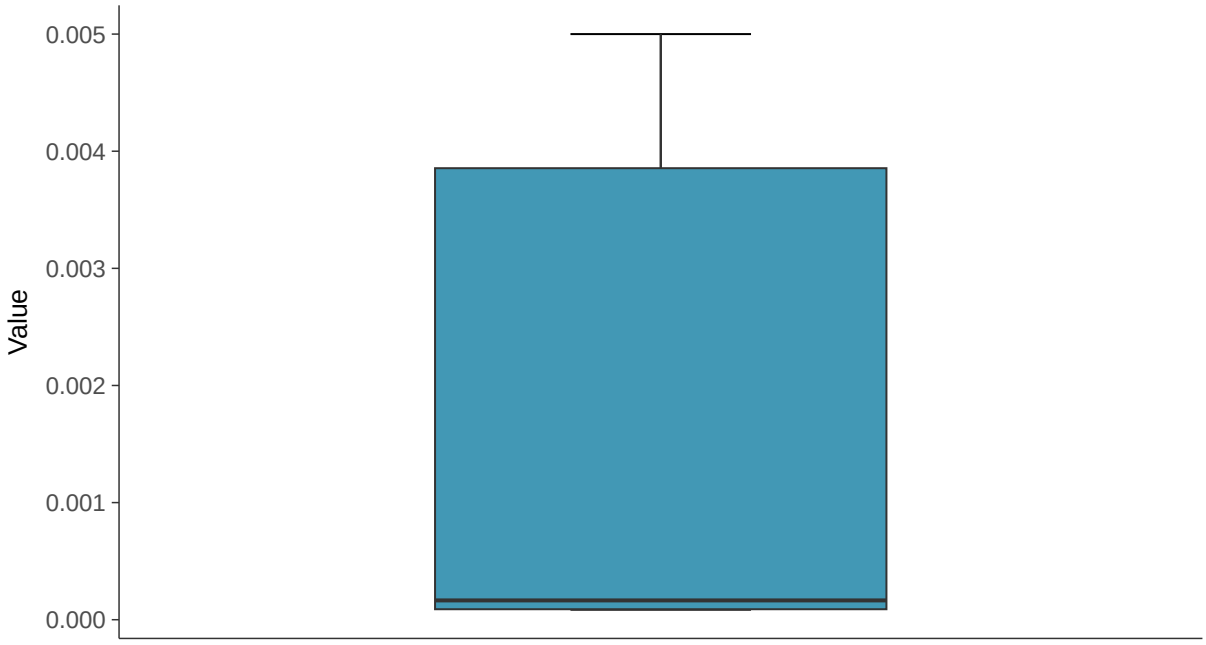
Histogram

Cobalt, MW-18D (mg/l)



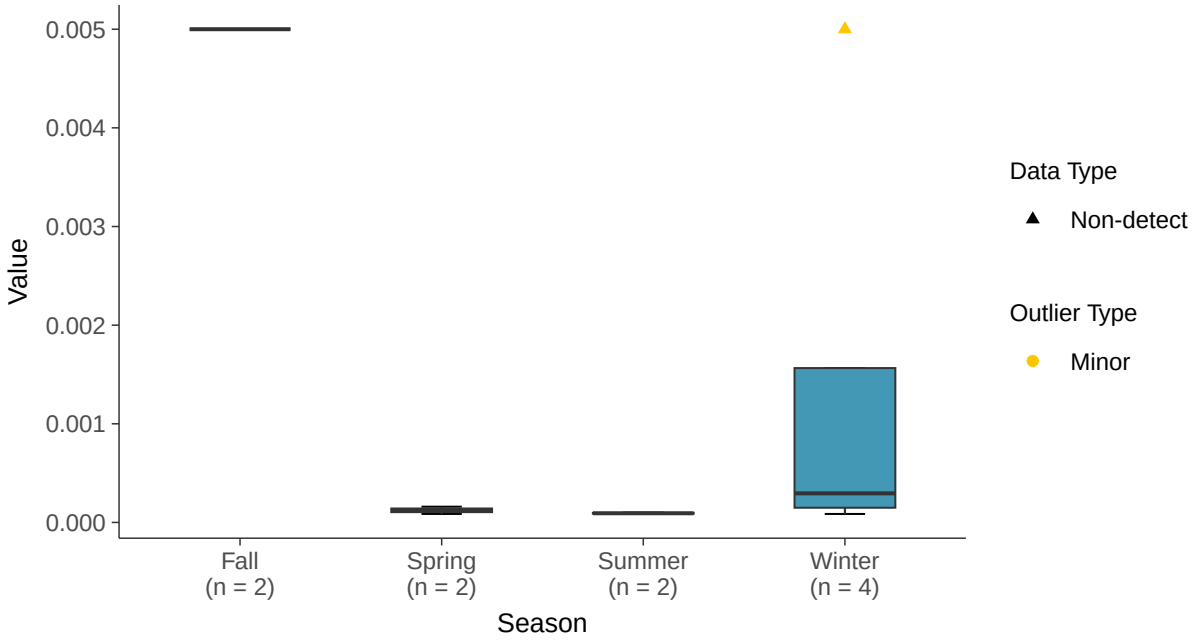
Boxplot

Cobalt, MW-18D (mg/l)



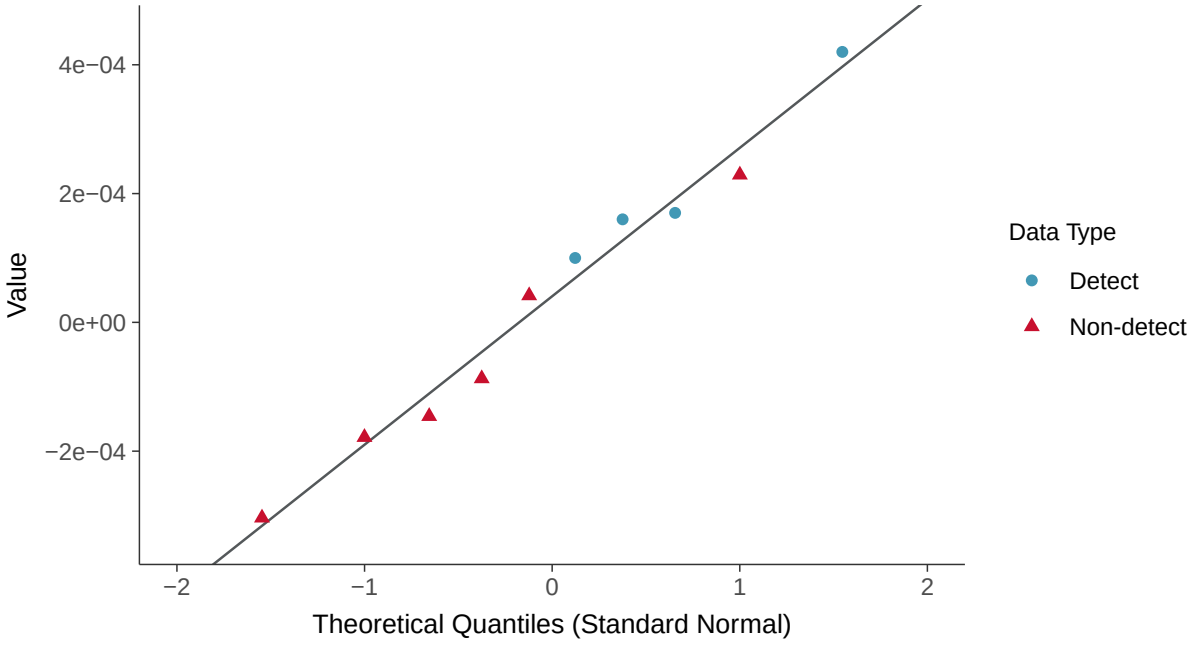
Boxplot by Season

Cobalt, MW-18D (mg/l)



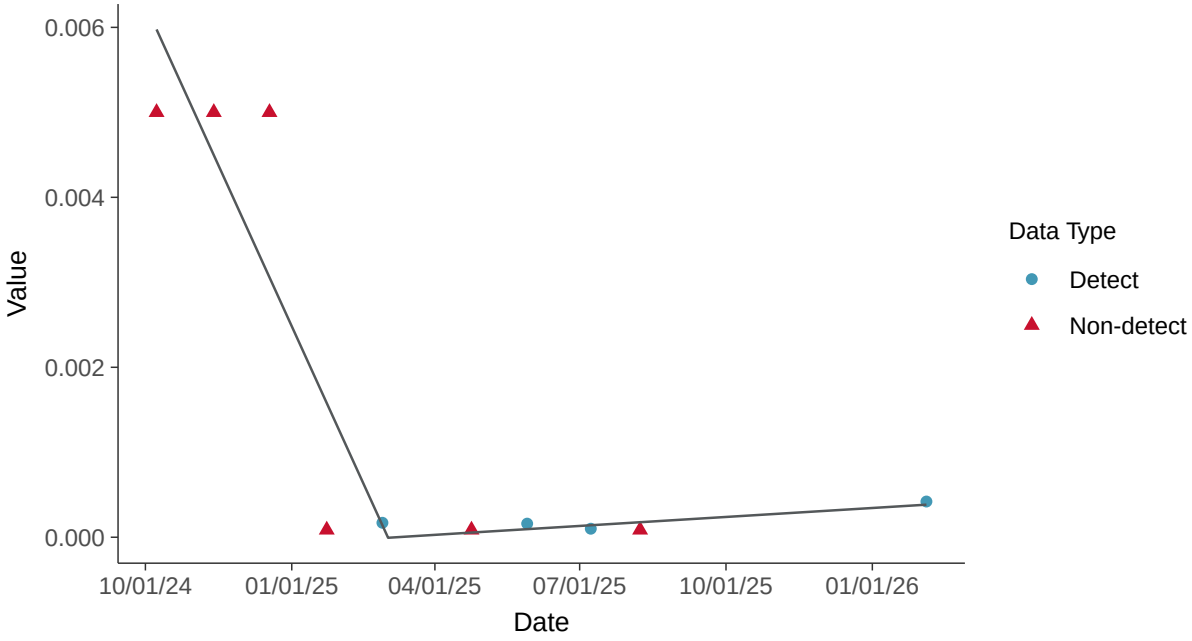
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-18D (mg/l)



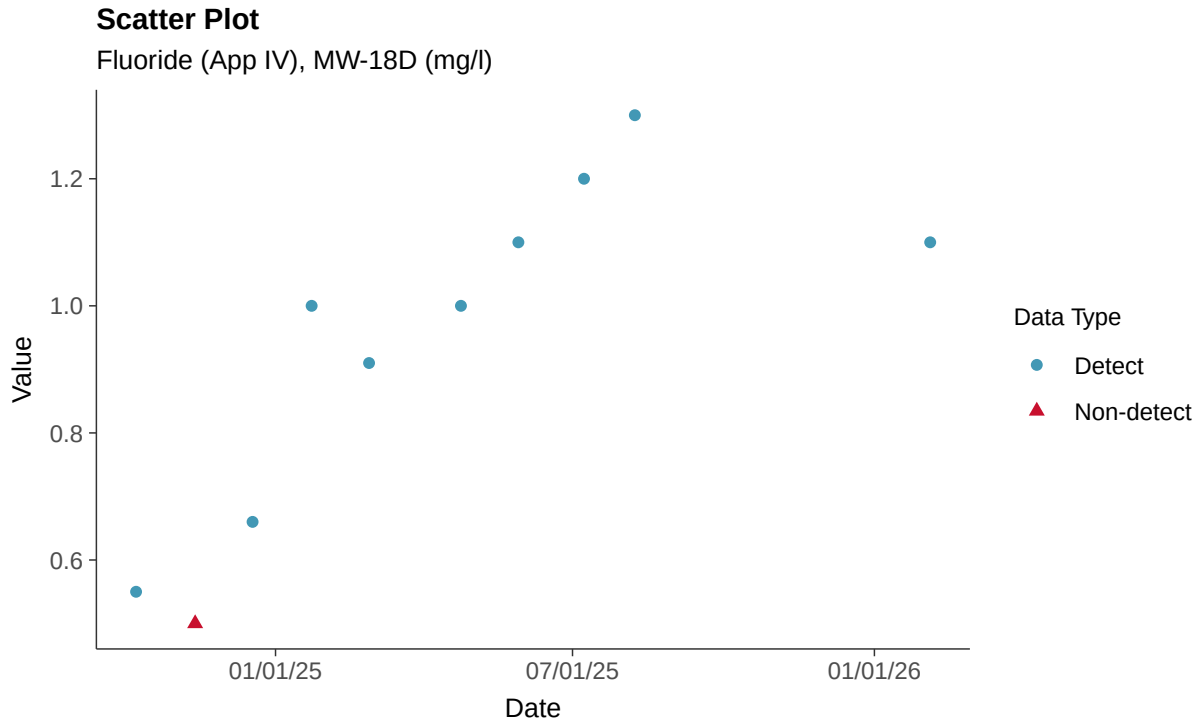
Trend Regression: Piecewise Linear-Linear

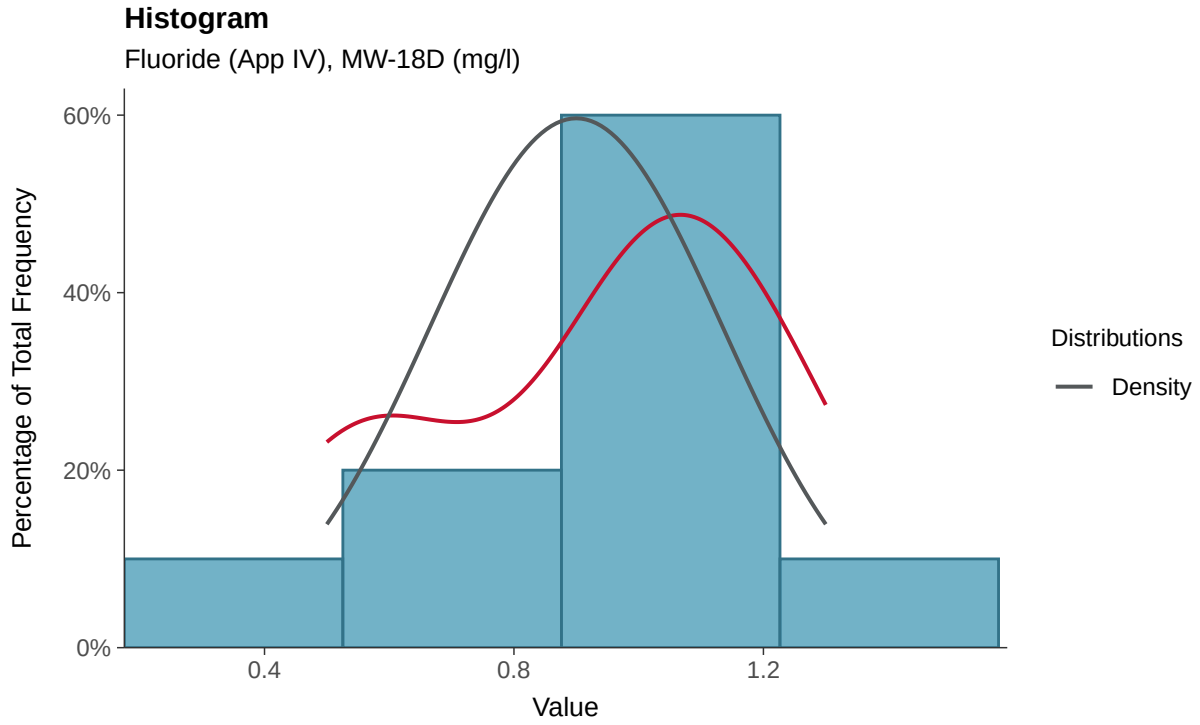
Cobalt, MW-18D (mg/l)



Appendix IV: Fluoride (App IV), MW-18D

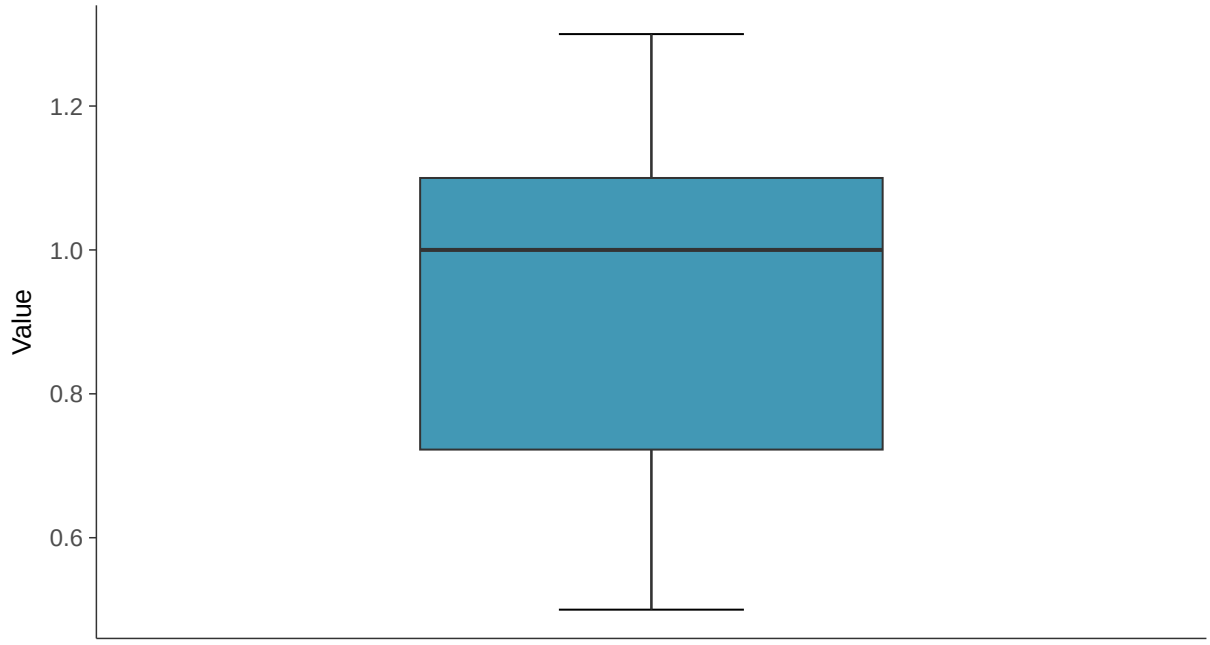
ID: 17_3_113





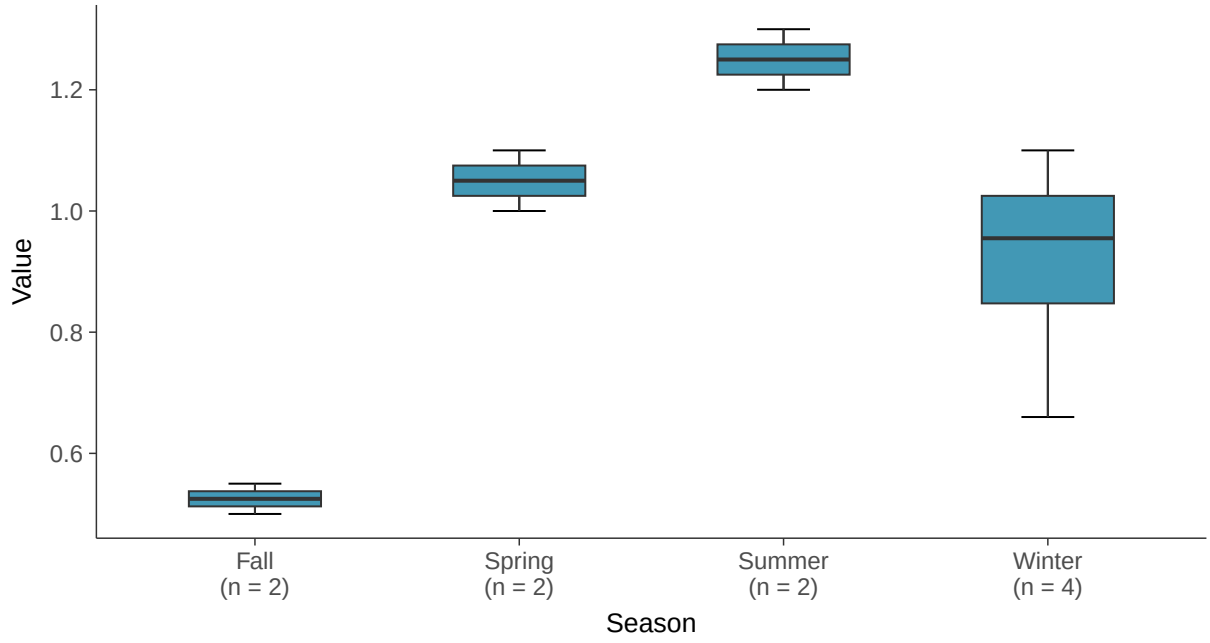
Boxplot

Fluoride (App IV), MW-18D (mg/l)



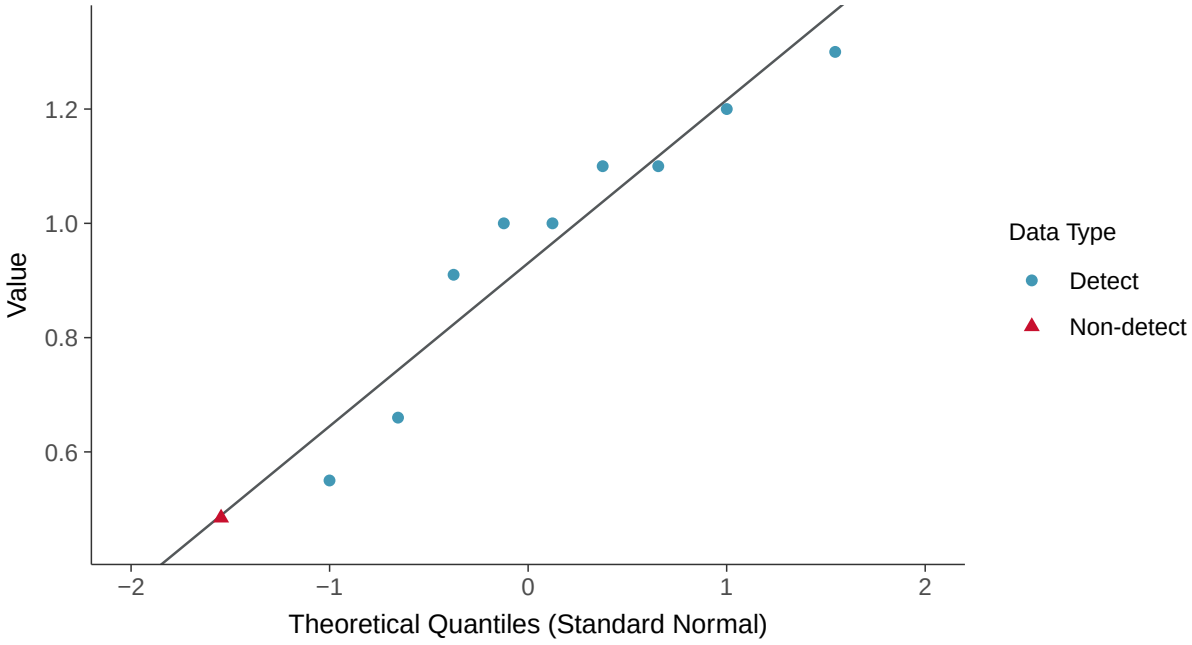
Boxplot by Season

Fluoride (App IV), MW-18D (mg/l)



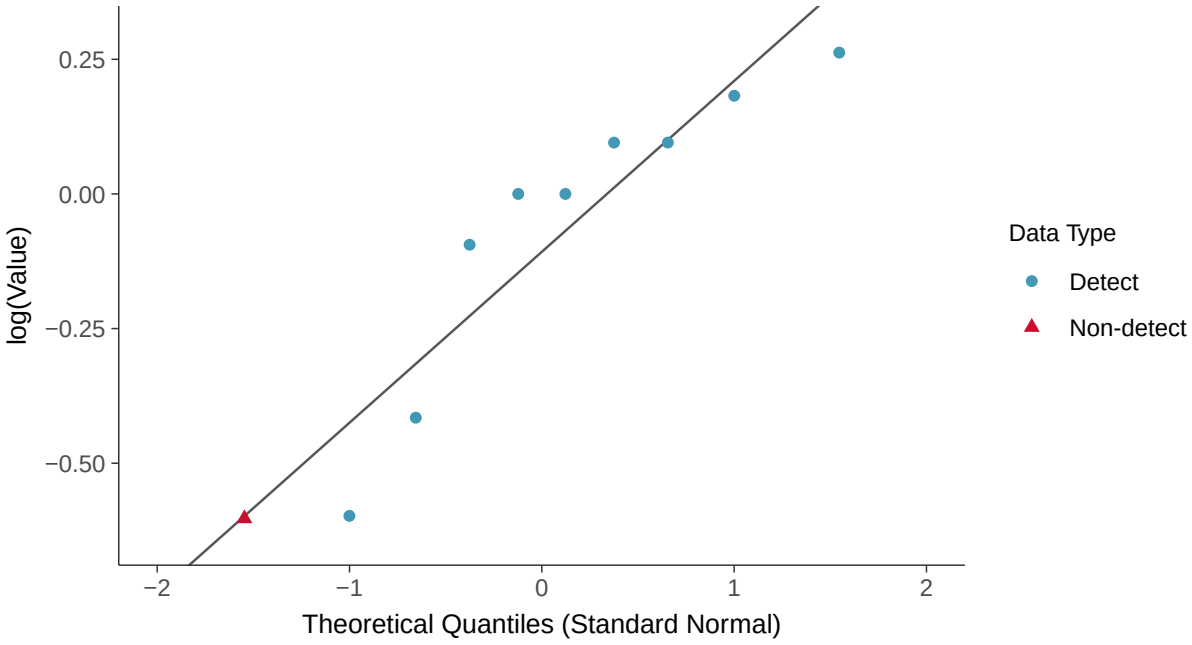
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-18D (mg/l)



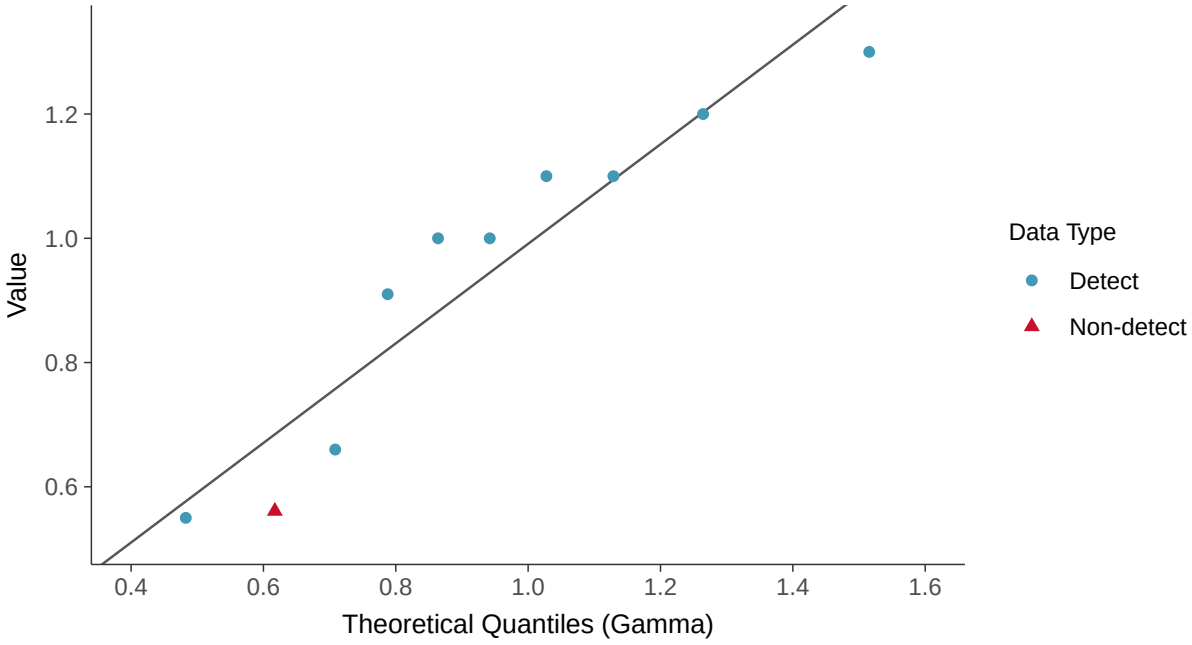
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-18D (mg/l)



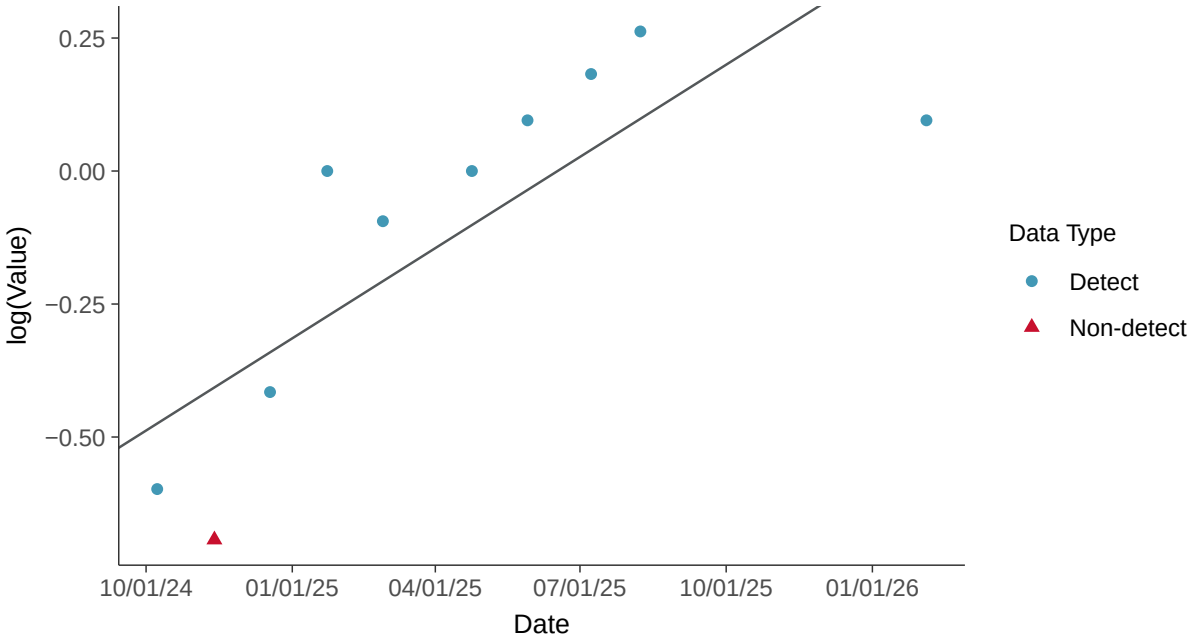
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-18D (mg/l)



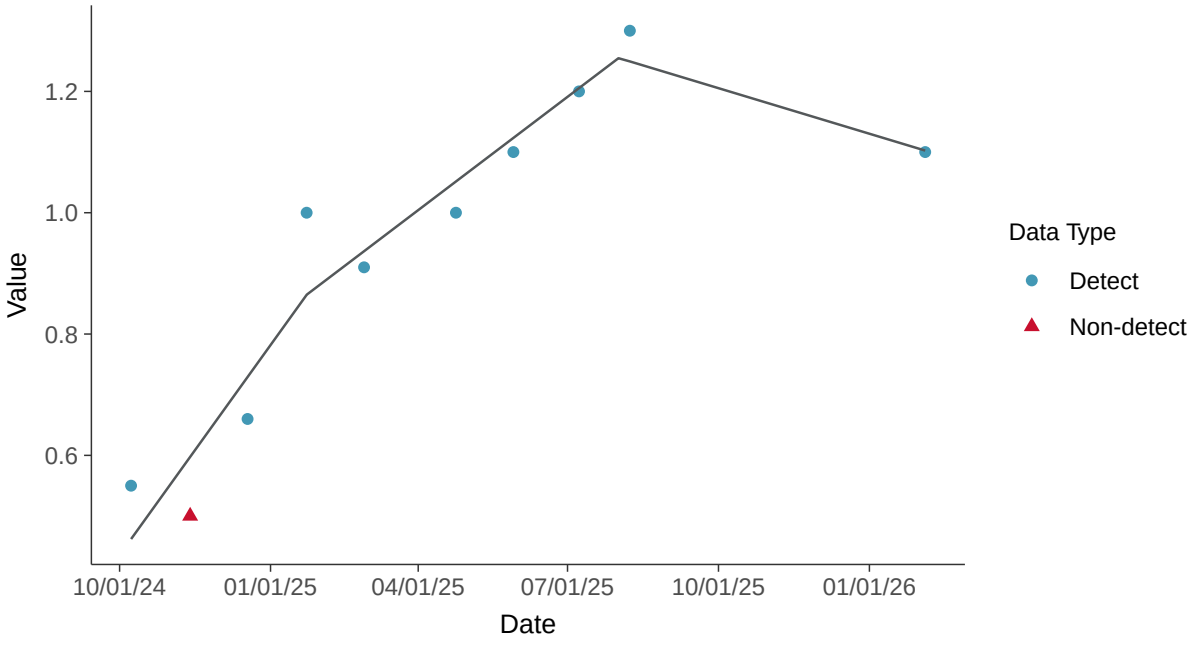
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-18D (mg/l)



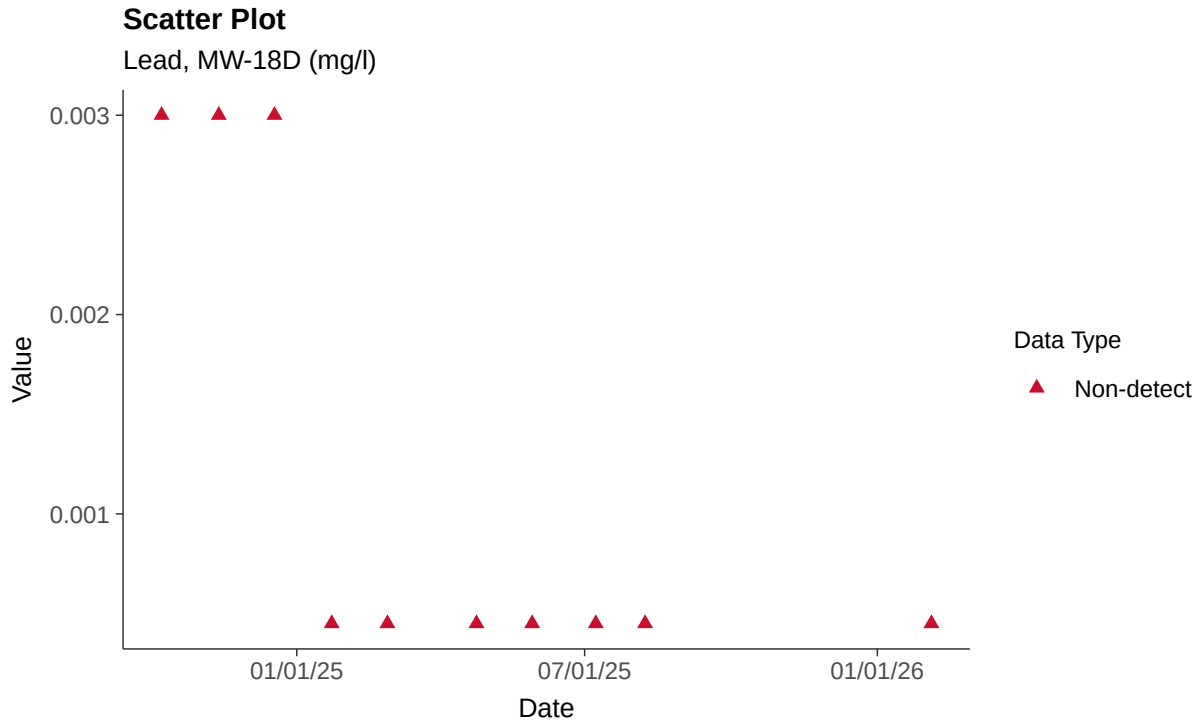
Trend Regression: Piecewise Linear-Linear-Linear

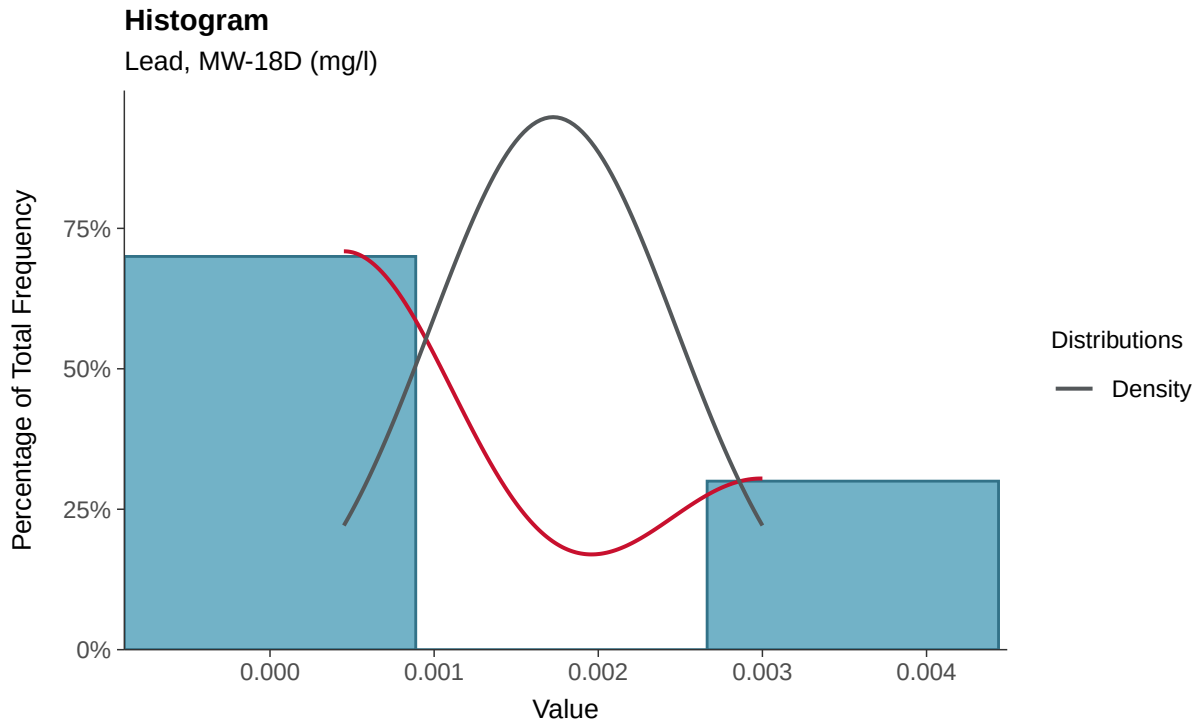
Fluoride (App IV), MW-18D (mg/l)



Appendix IV: Lead, MW-18D

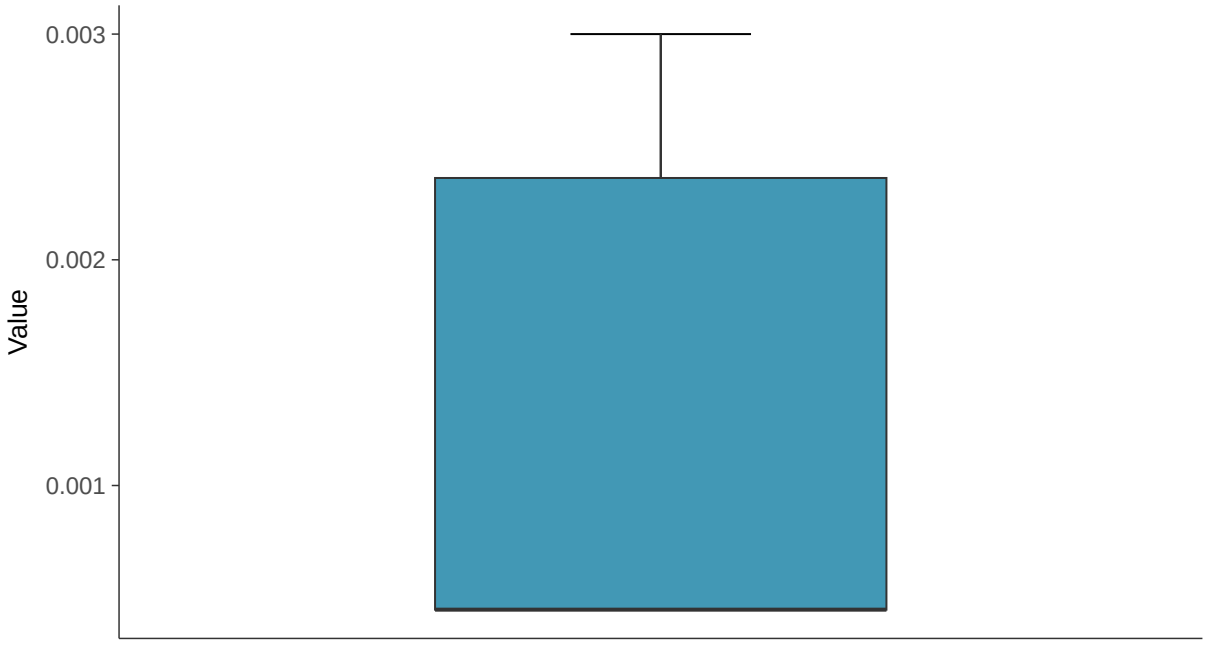
ID: 17_3_115





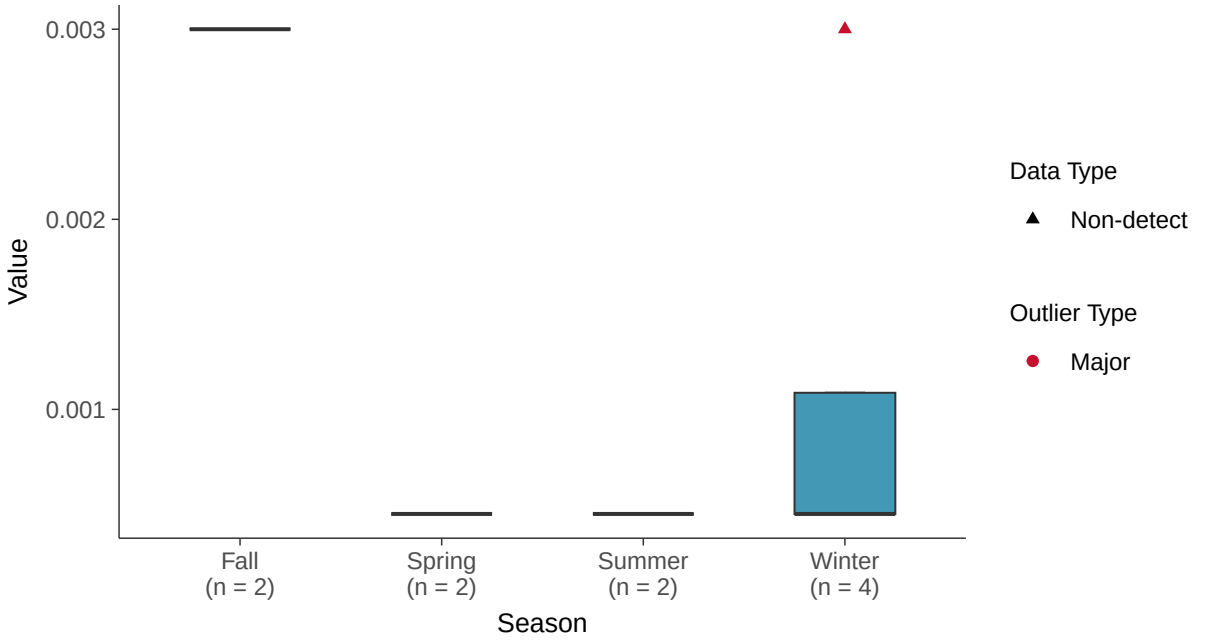
Boxplot

Lead, MW-18D (mg/l)



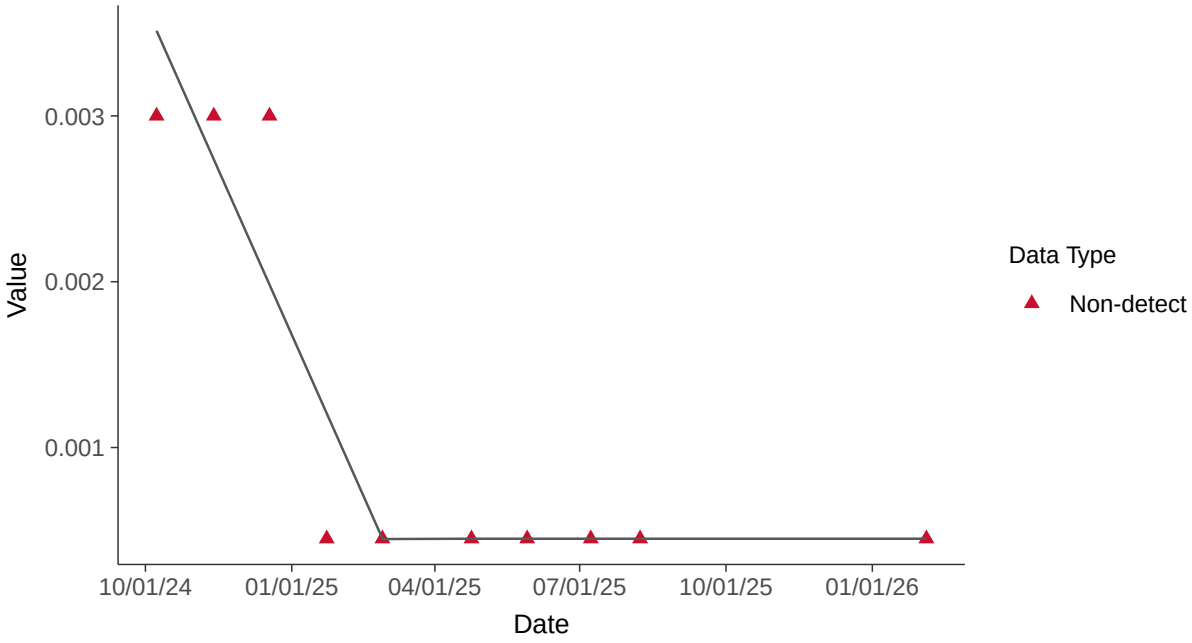
Boxplot by Season

Lead, MW-18D (mg/l)



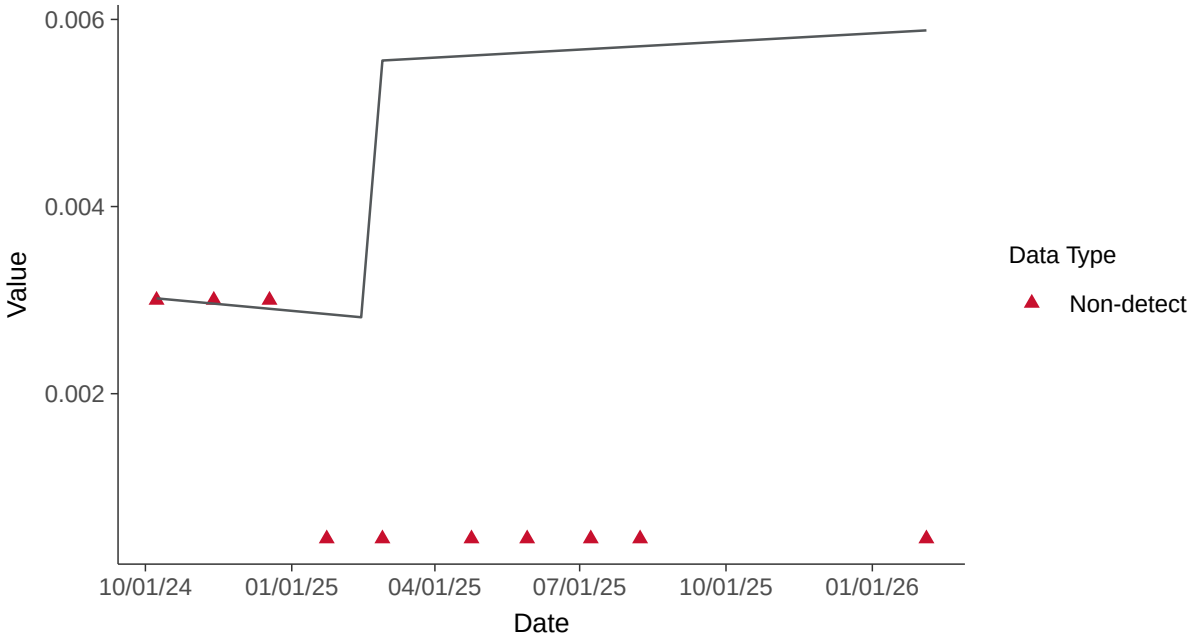
Trend Regression: Piecewise Linear-Linear

Lead, MW-18D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Lead, MW-18D (mg/l)

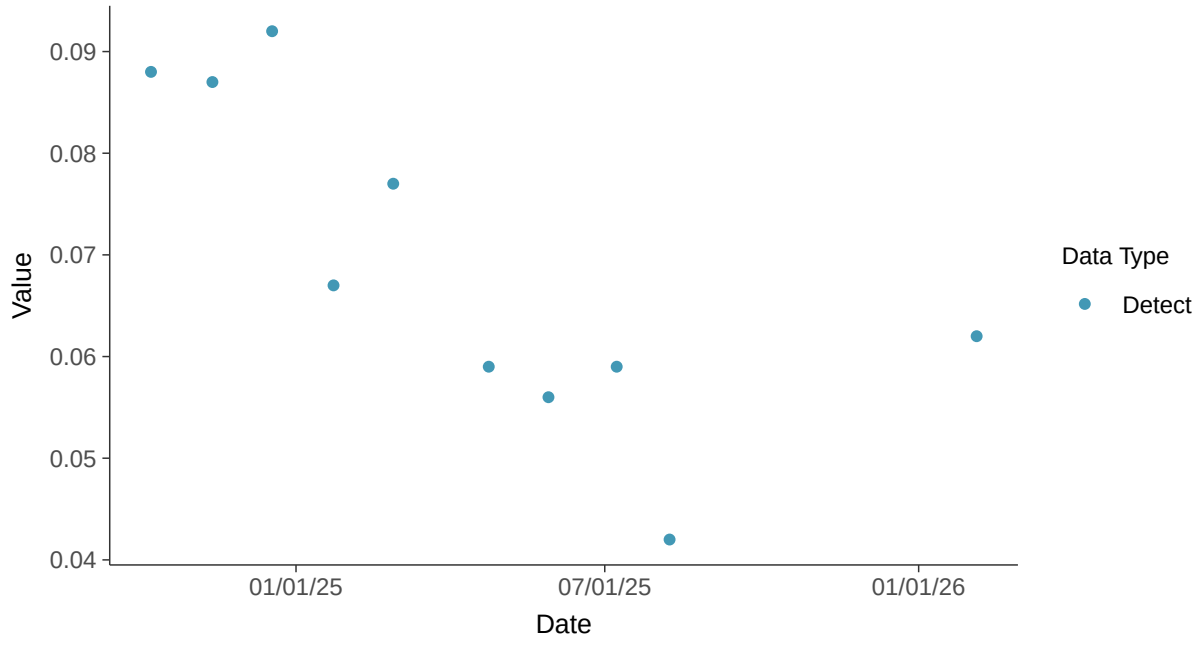


Appendix IV: Lithium, MW-18D

ID: 17_3_116

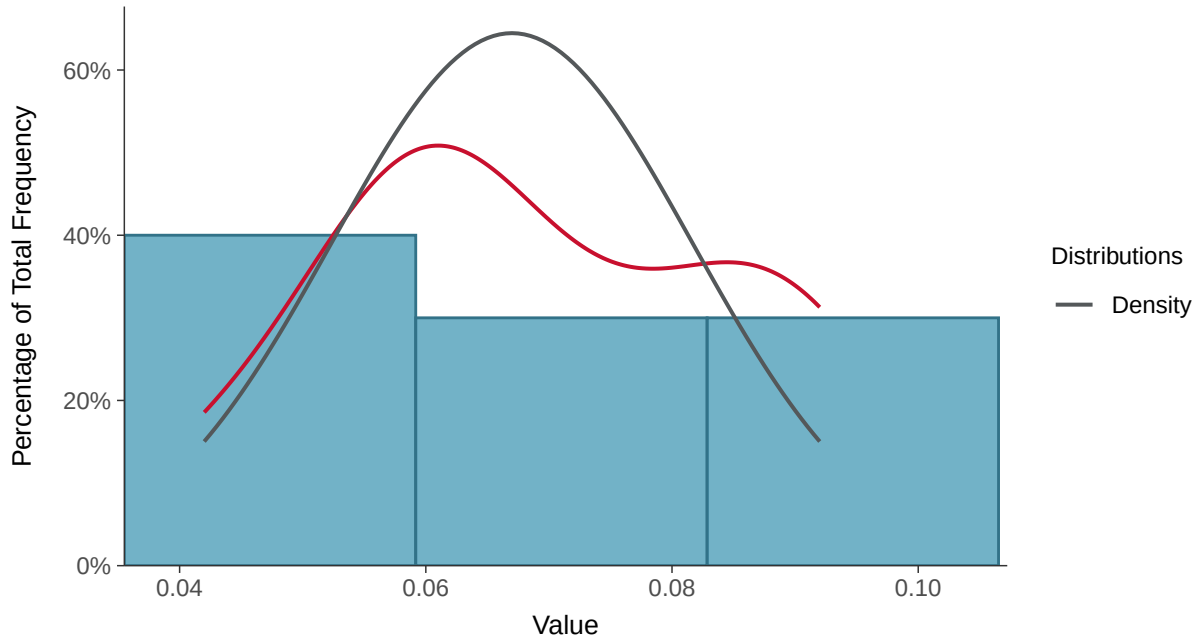
Scatter Plot

Lithium, MW-18D (mg/l)



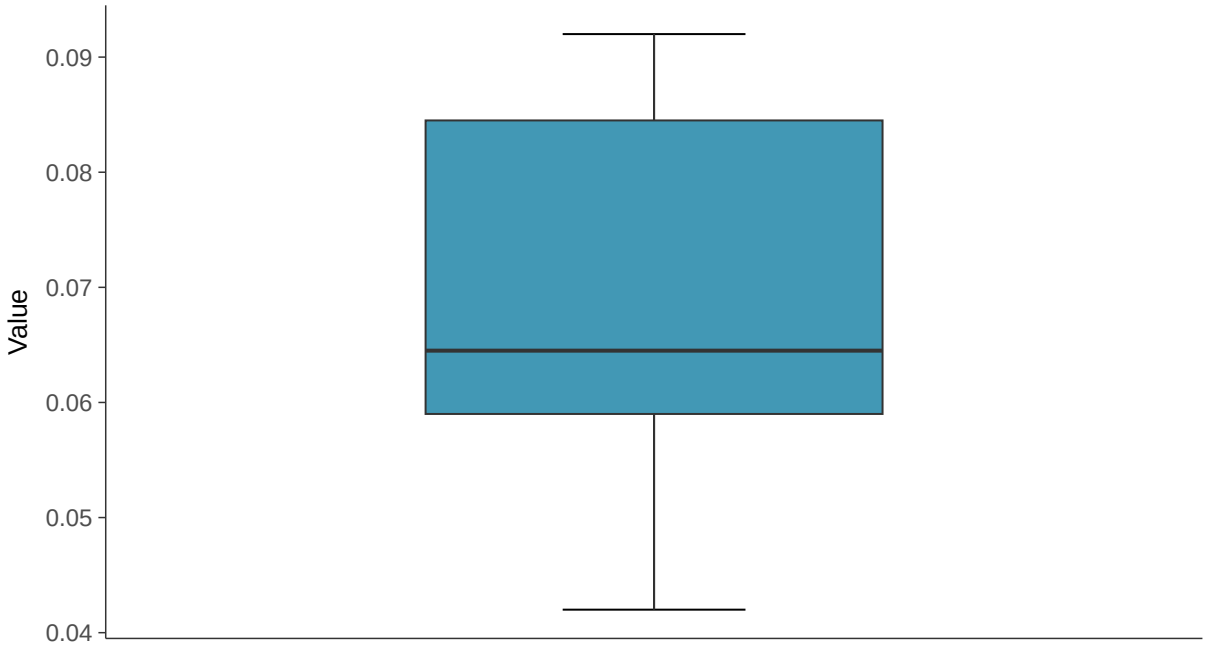
Histogram

Lithium, MW-18D (mg/l)



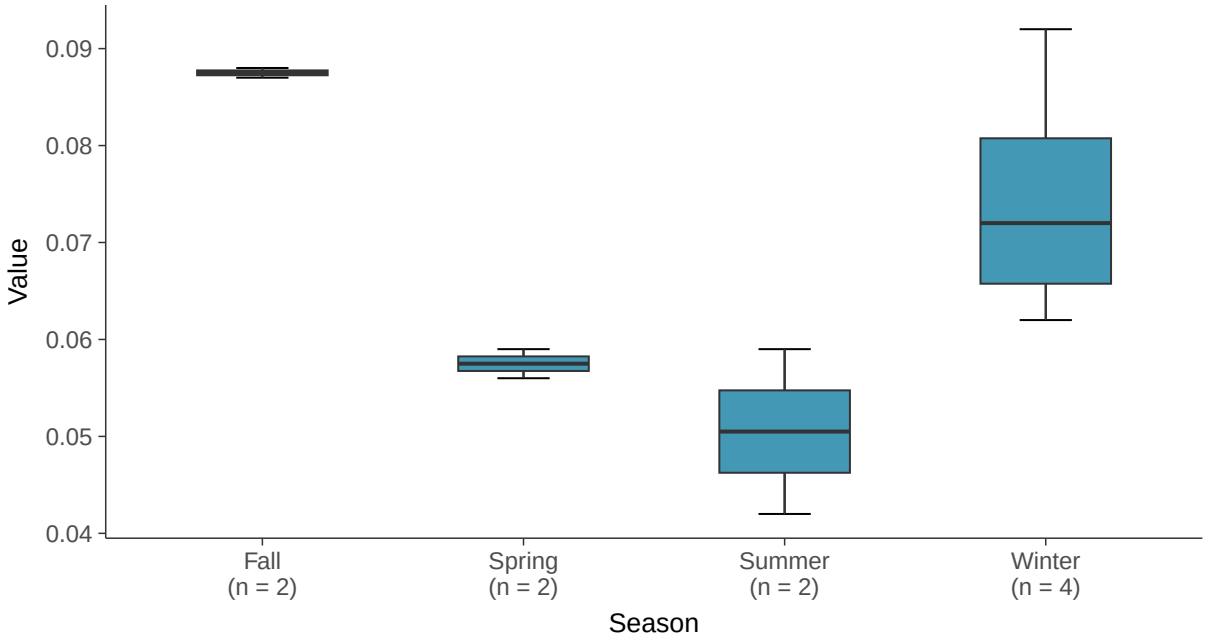
Boxplot

Lithium, MW-18D (mg/l)



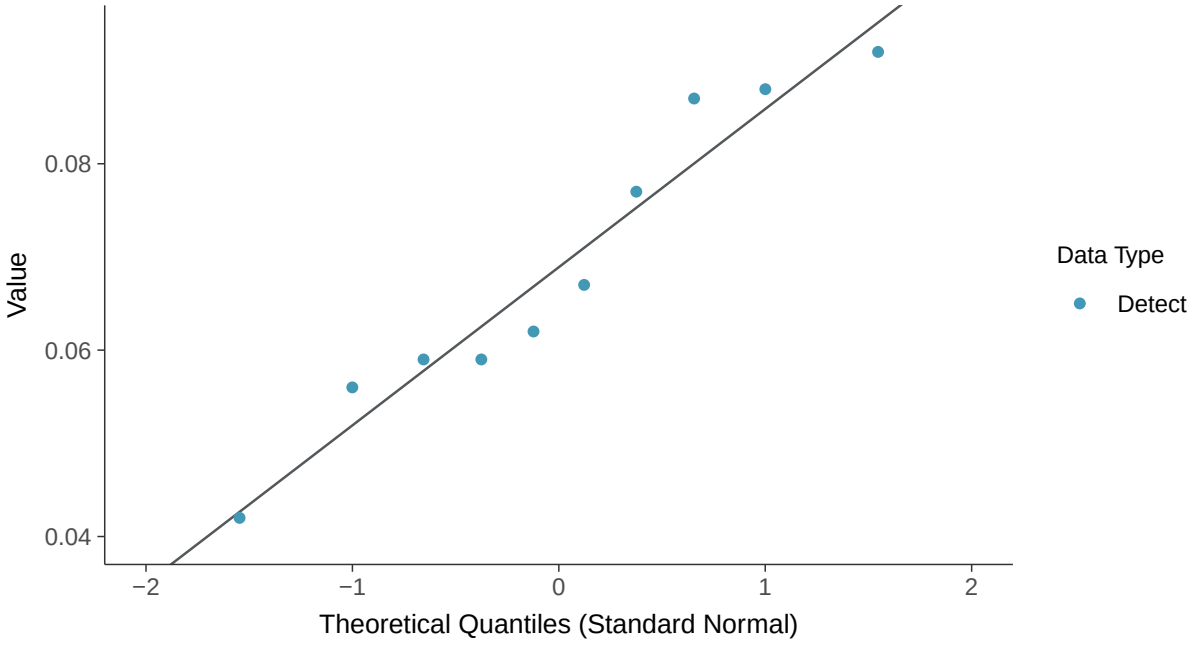
Boxplot by Season

Lithium, MW-18D (mg/l)



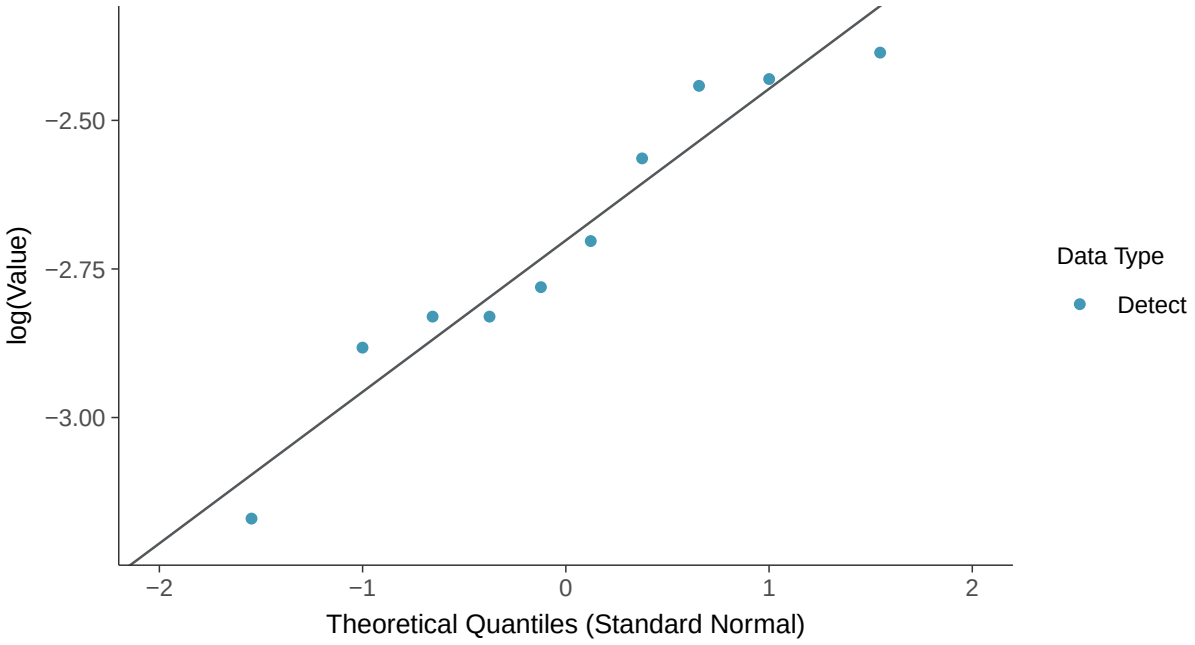
Normal Q-Q plot

Lithium, MW-18D (mg/l)



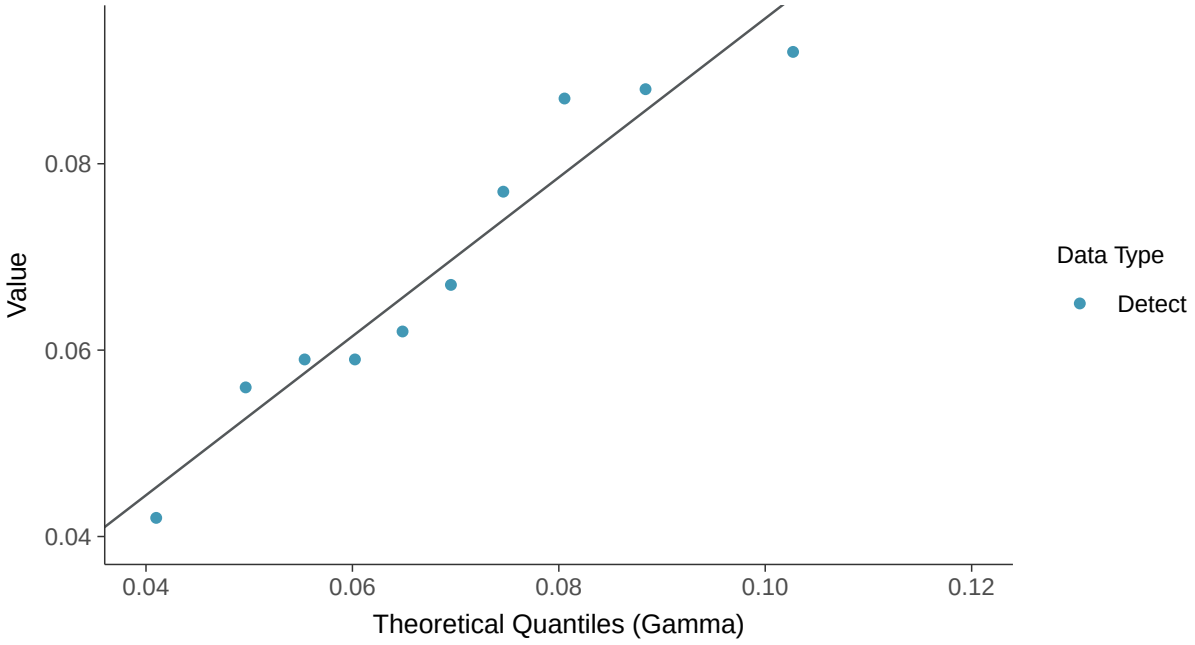
Lognormal Q-Q plot

Lithium, MW-18D (mg/l)



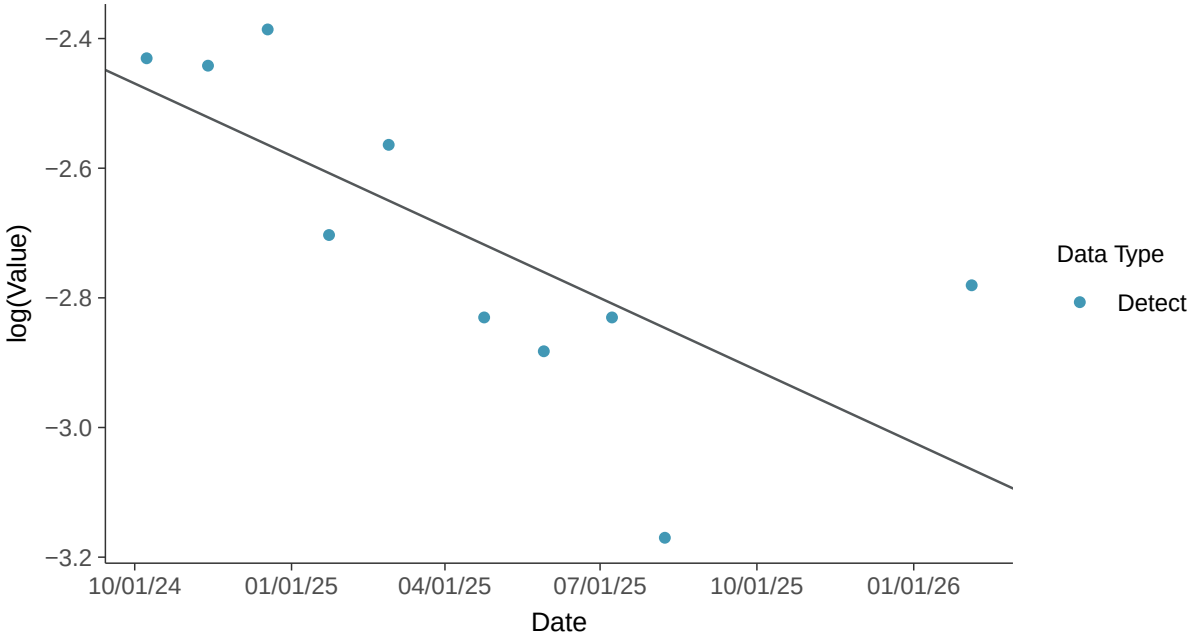
Gamma Q-Q plot

Lithium, MW-18D (mg/l)



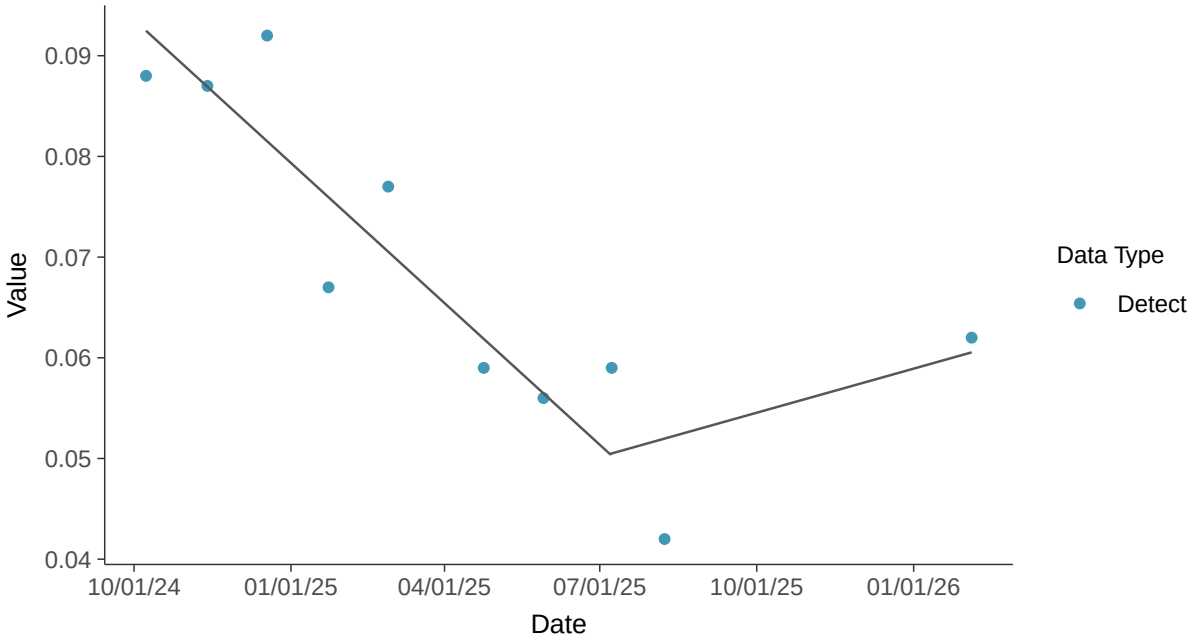
Trend Regression: Lognormal MLE

Lithium, MW-18D (mg/l)



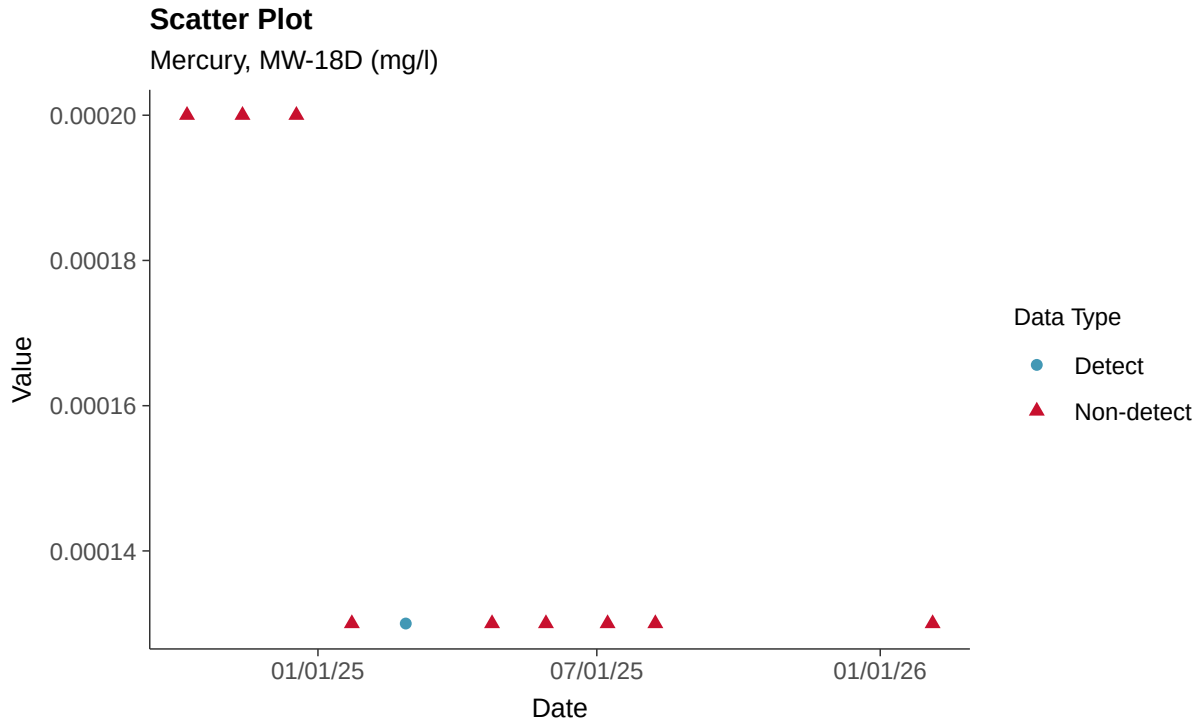
Trend Regression: Piecewise Linear-Linear

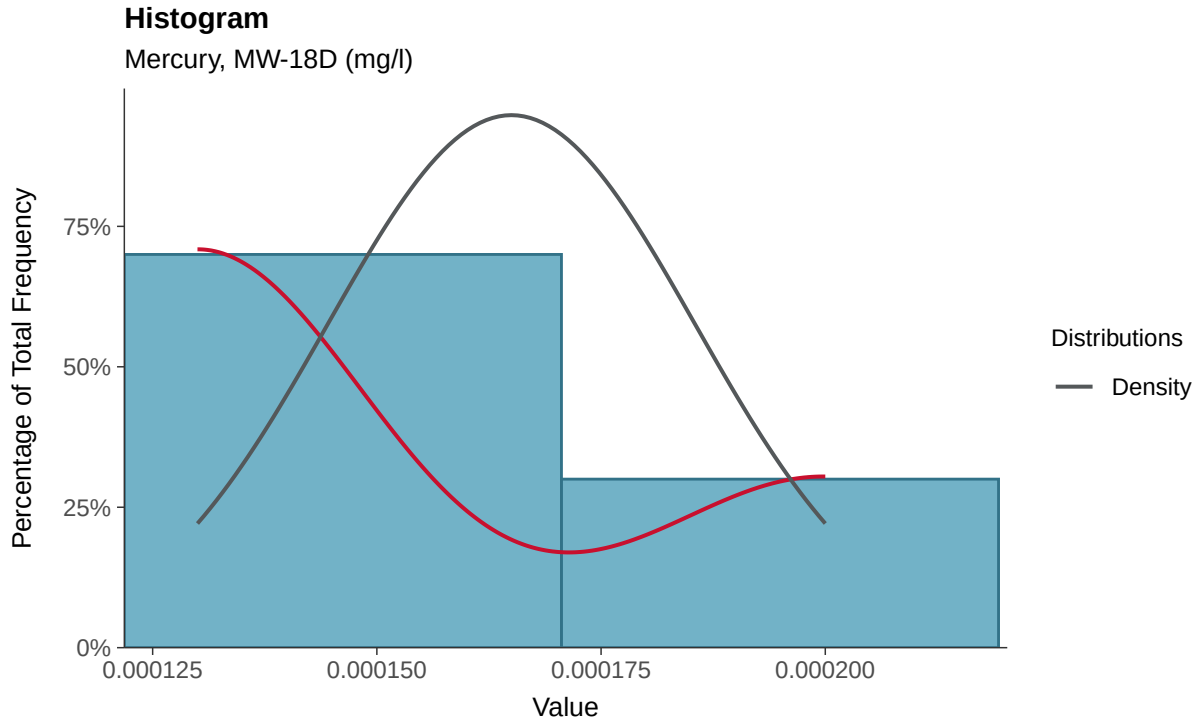
Lithium, MW-18D (mg/l)



Appendix IV: Mercury, MW-18D

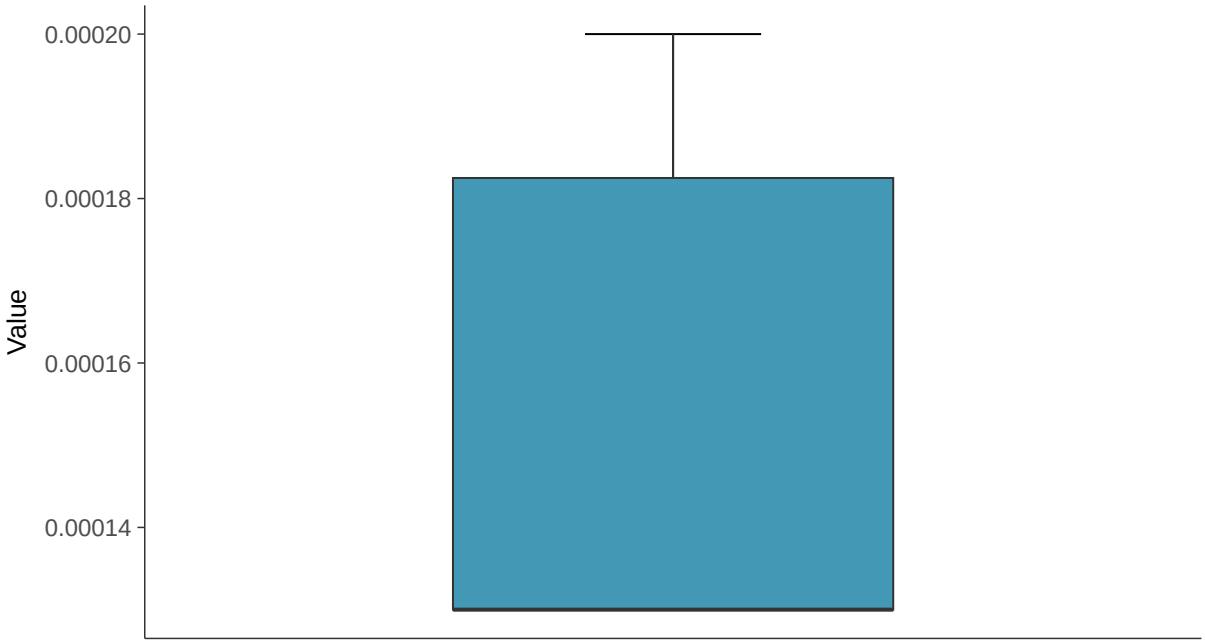
ID: 17_3_117





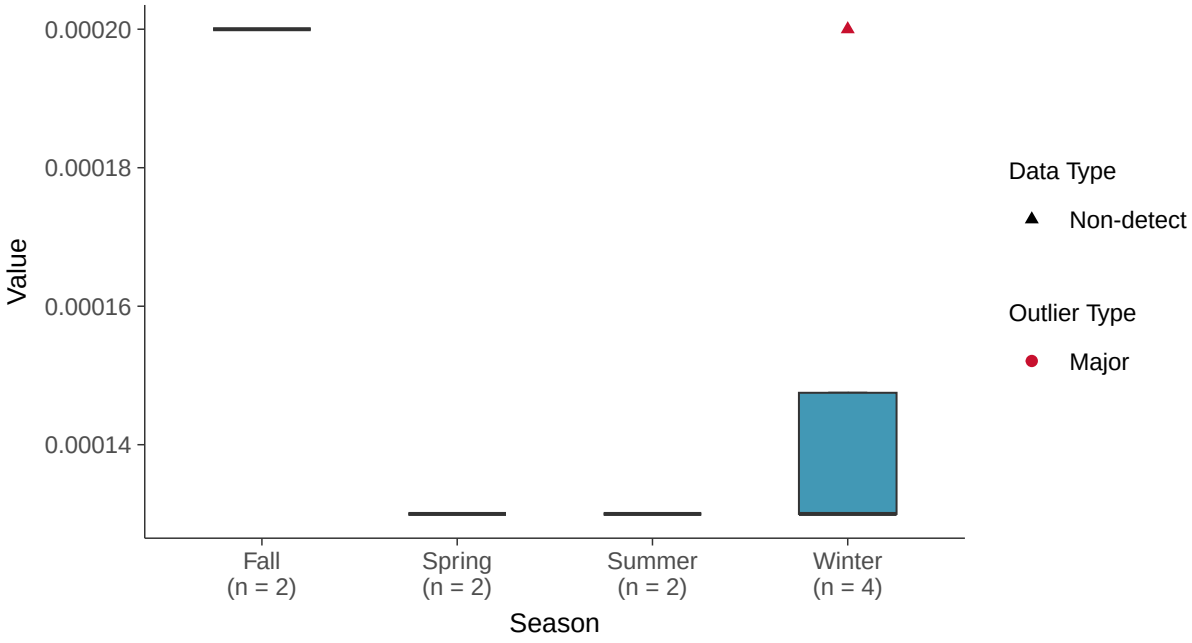
Boxplot

Mercury, MW-18D (mg/l)



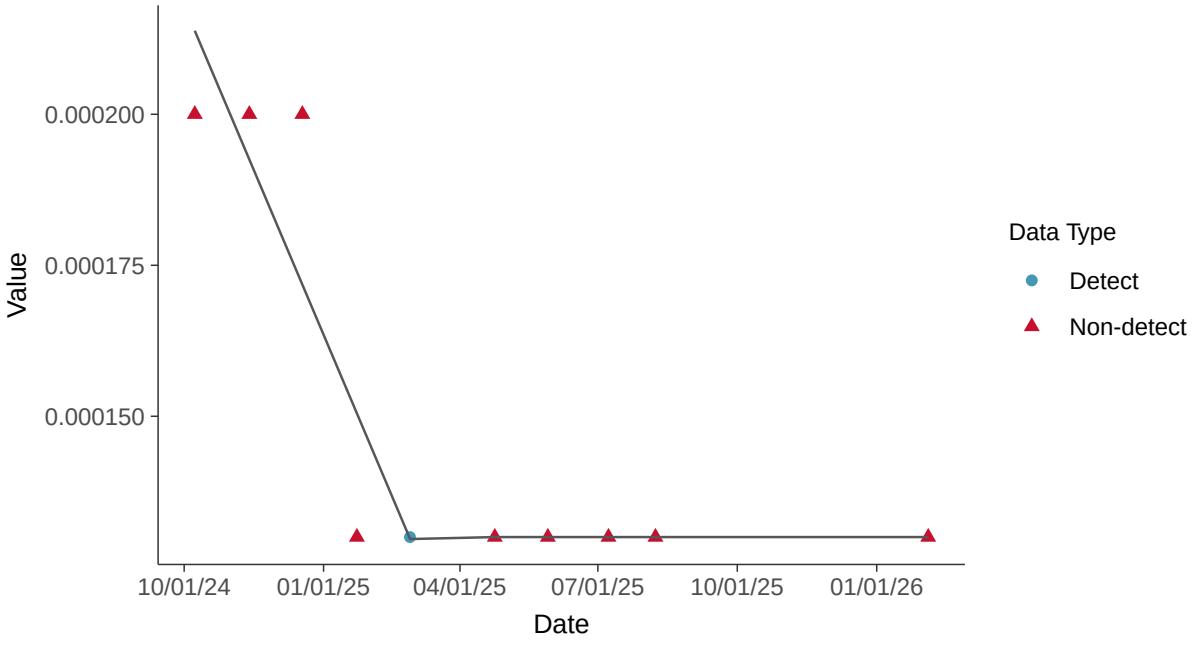
Boxplot by Season

Mercury, MW-18D (mg/l)



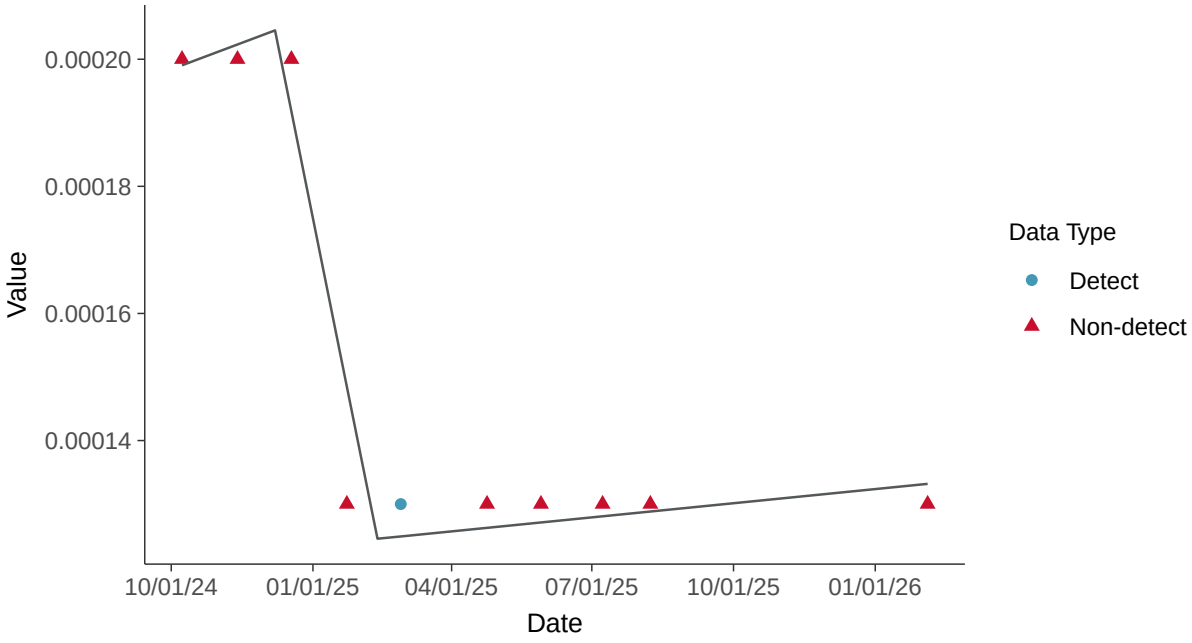
Trend Regression: Piecewise Linear-Linear

Mercury, MW-18D (mg/l)



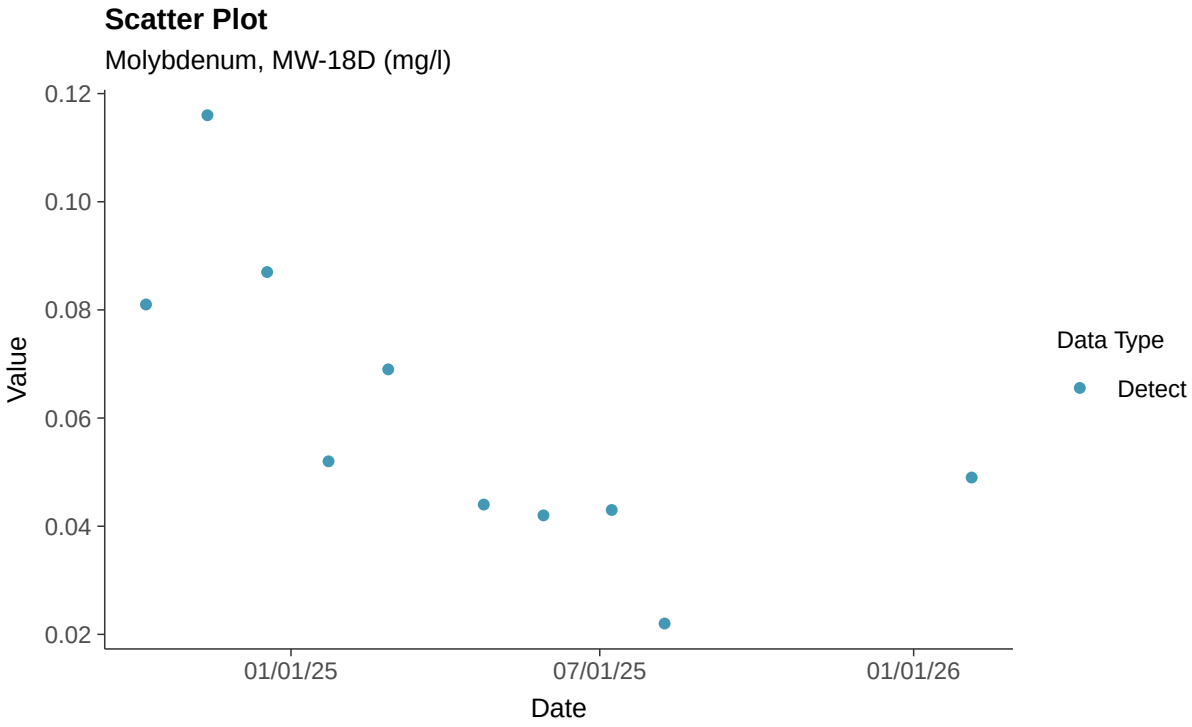
Trend Regression: Piecewise Linear-Linear-Linear

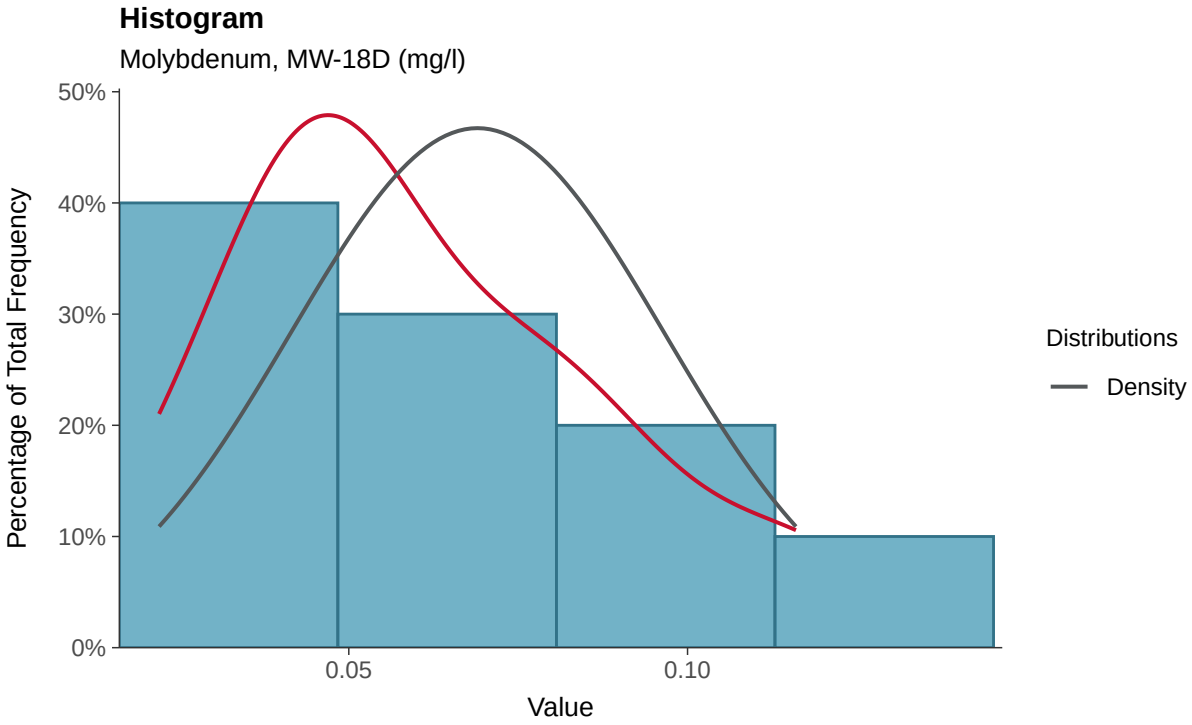
Mercury, MW-18D (mg/l)



Appendix IV: Molybdenum, MW-18D

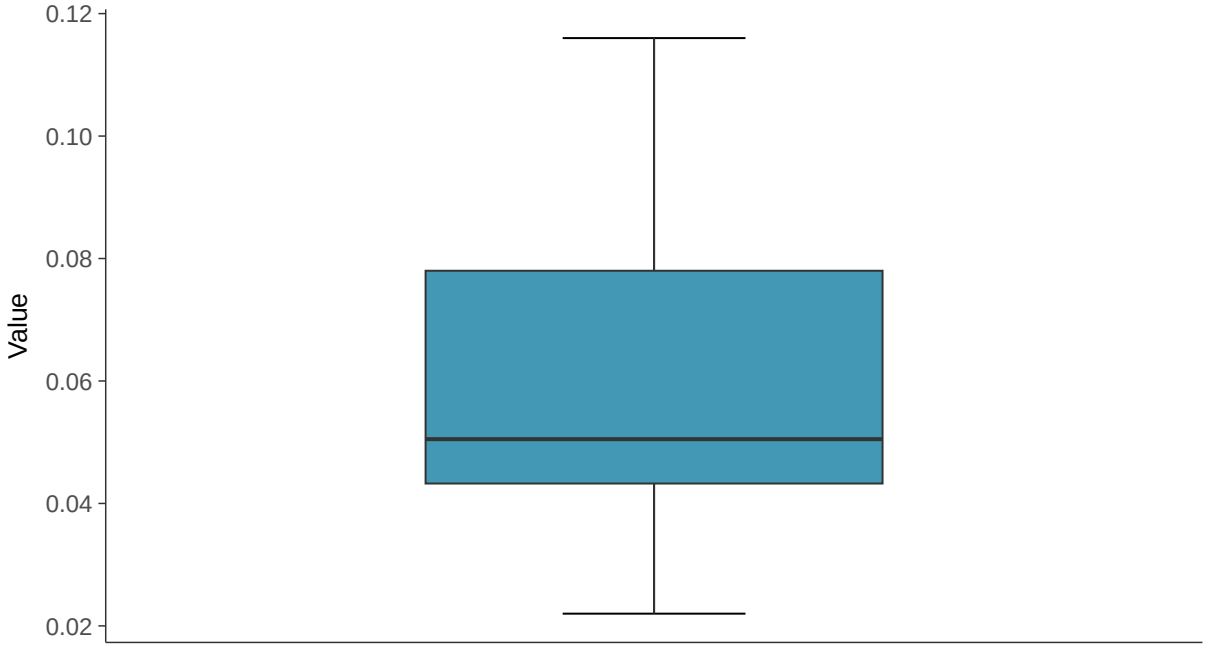
ID: 17_3_118





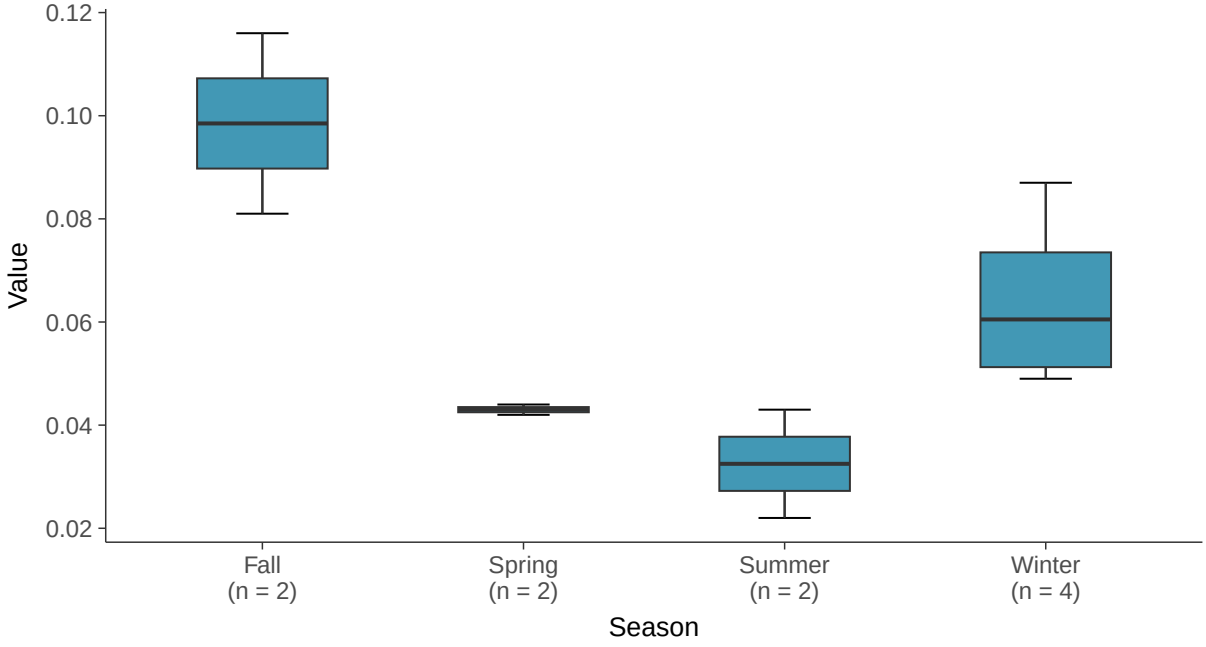
Boxplot

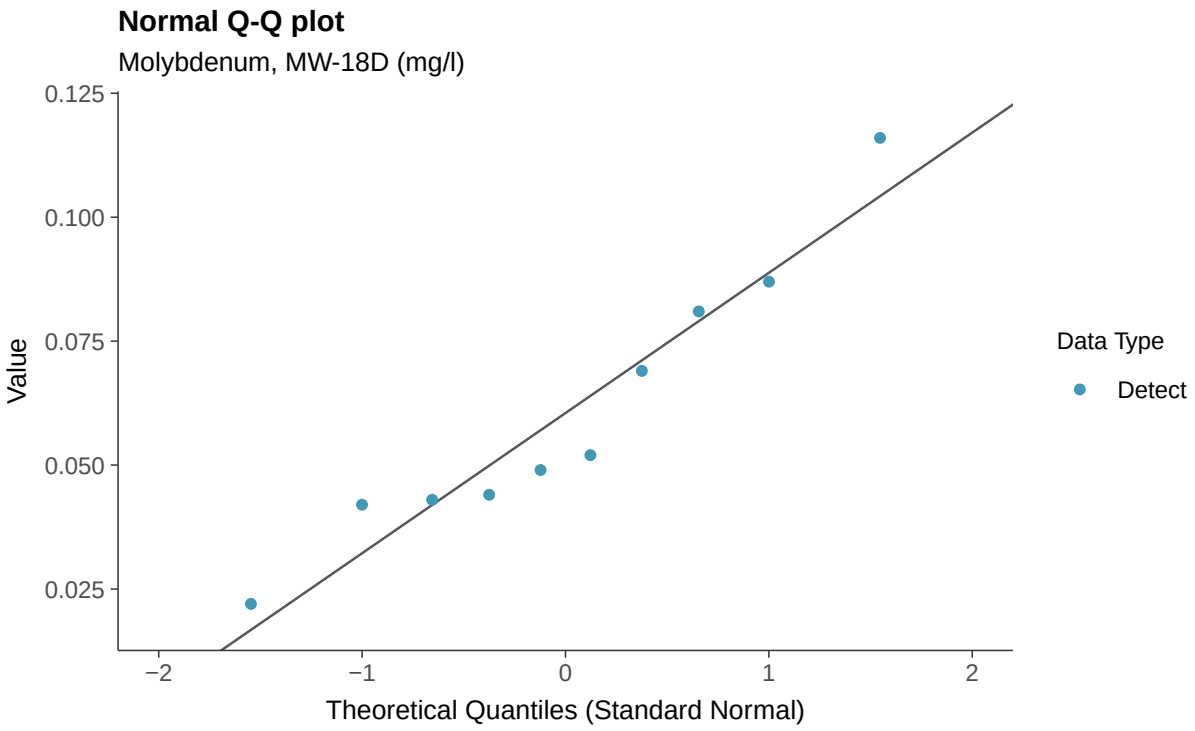
Molybdenum, MW-18D (mg/l)

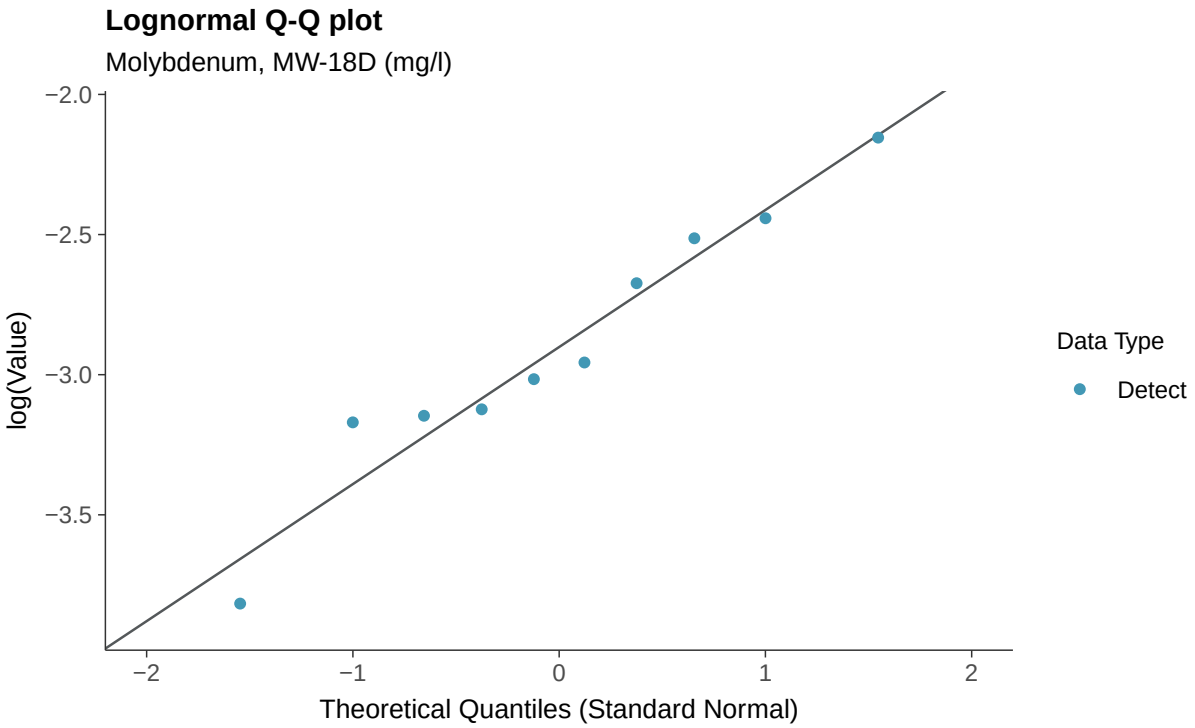


Boxplot by Season

Molybdenum, MW-18D (mg/l)

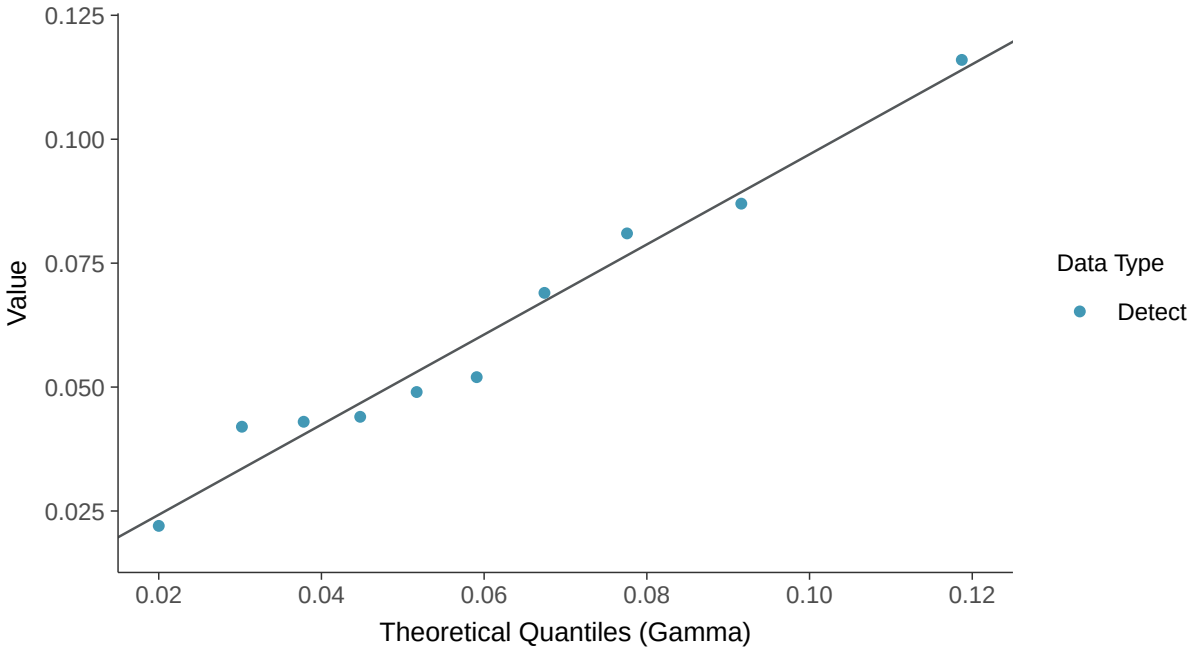



Normal Q-Q plot
Molybdenum, MW-18D (mg/l)
Value
0.125
0.100
0.075
0.050
0.025
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Molybdenum, MW-18D (mg/l)
log(Value)
−2.0
−2.5
−3.0
−3.5
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

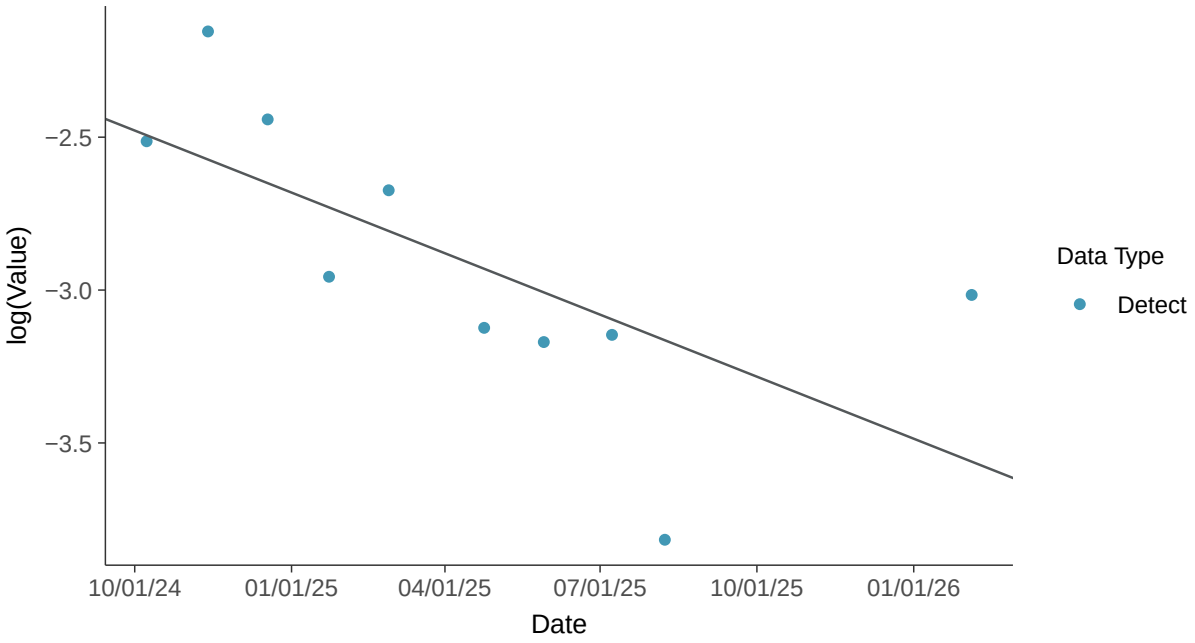
Gamma Q-Q plot

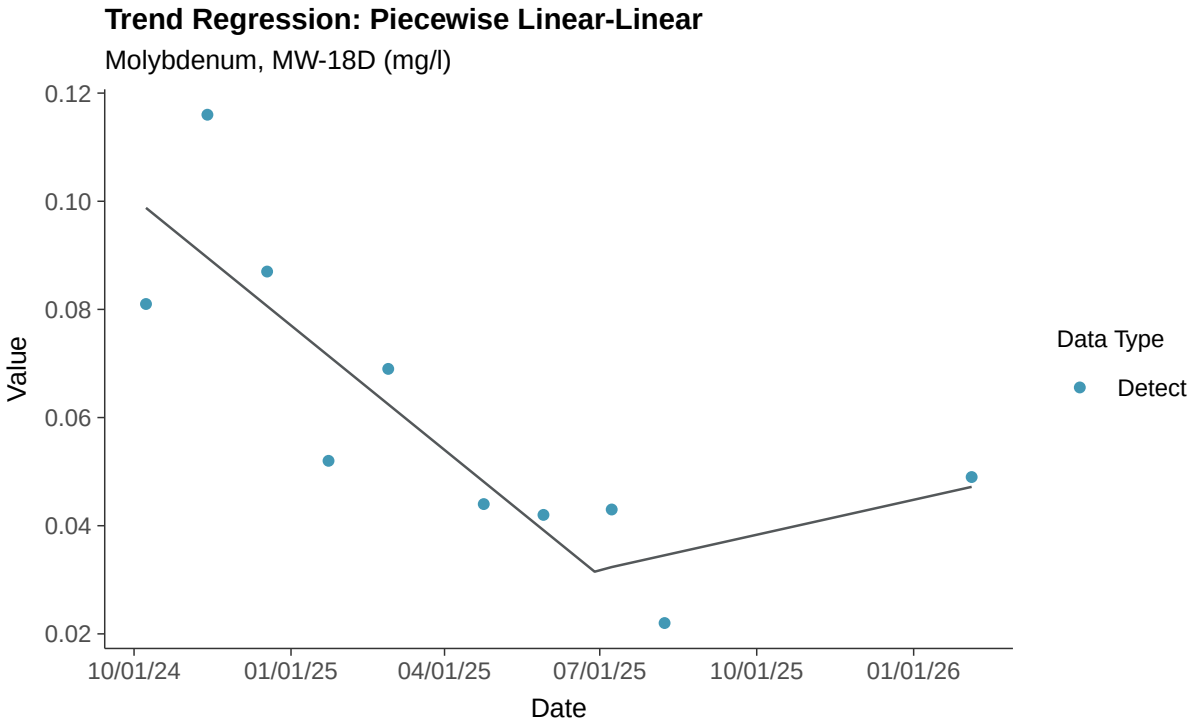
Molybdenum, MW-18D (mg/l)



Trend Regression: Lognormal MLE

Molybdenum, MW-18D (mg/l)



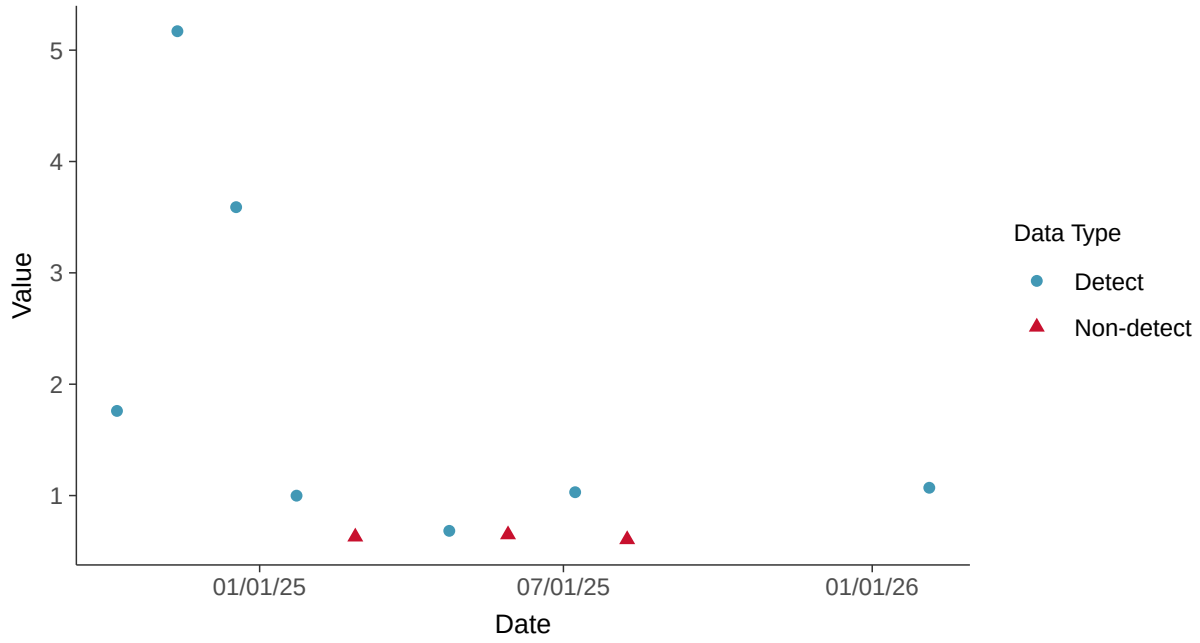

Trend Regression: Piecewise Linear-Linear
Molybdenum, MW-18D (mg/l)
Value
0.12
0.10
0.08
0.06
0.04
0.02
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Radium-226+228, MW-18D

ID: 17_3_121

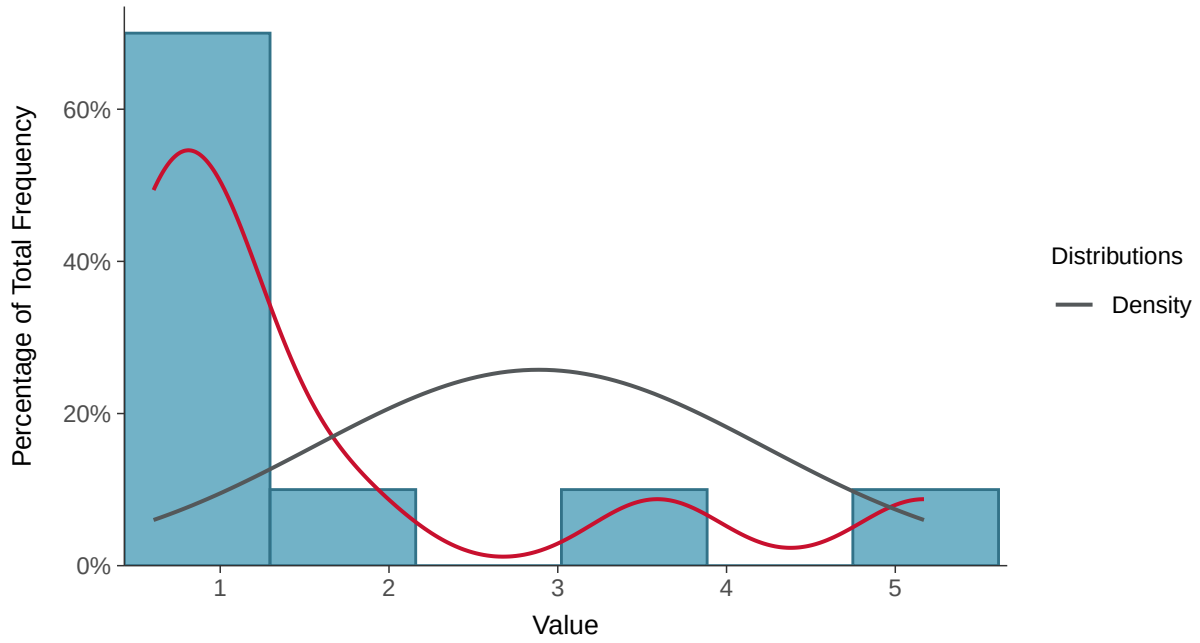
Scatter Plot

Radium-226+228, MW-18D (pci/l)



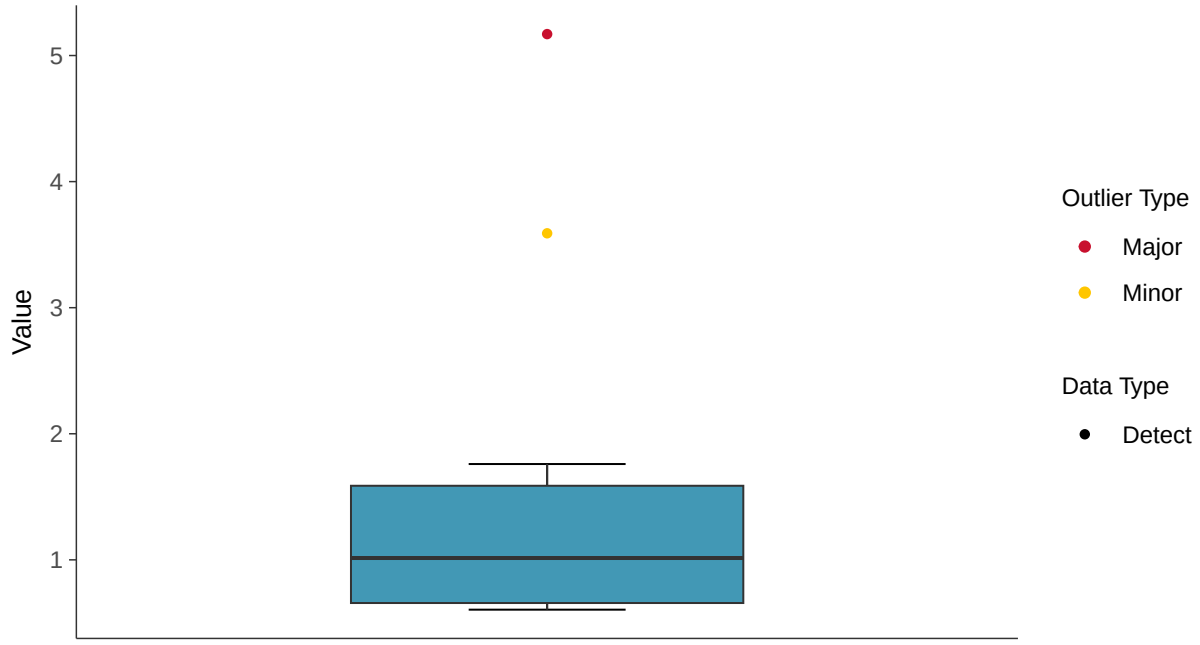
Histogram

Radium-226+228, MW-18D (pci/l)



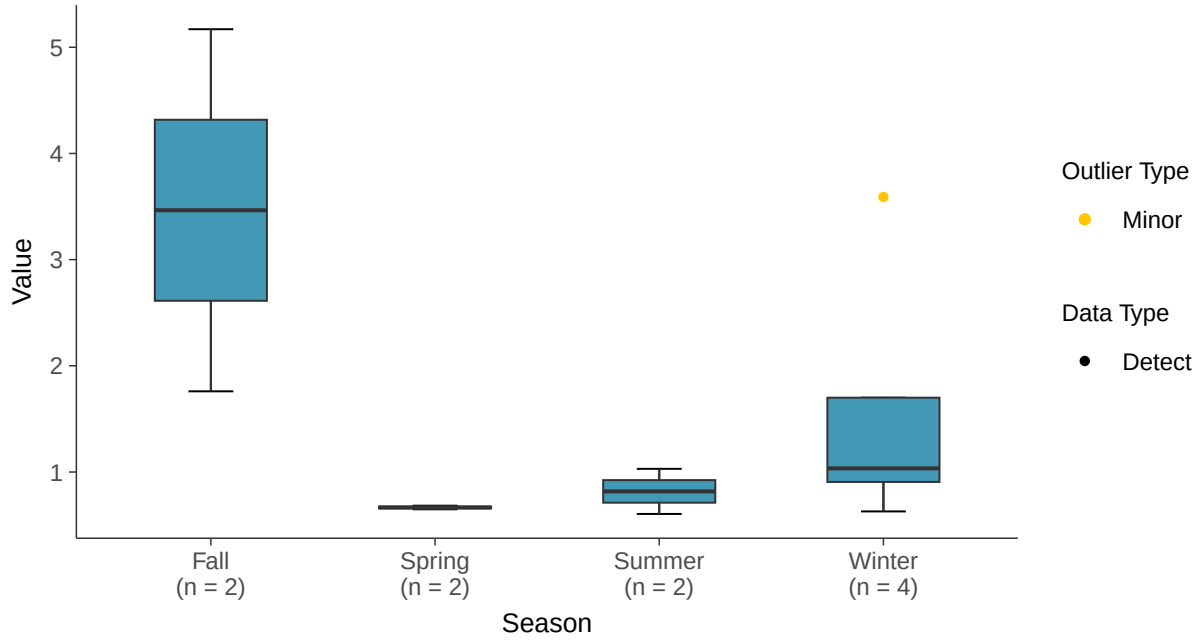
Boxplot

Radium-226+228, MW-18D (pci/l)



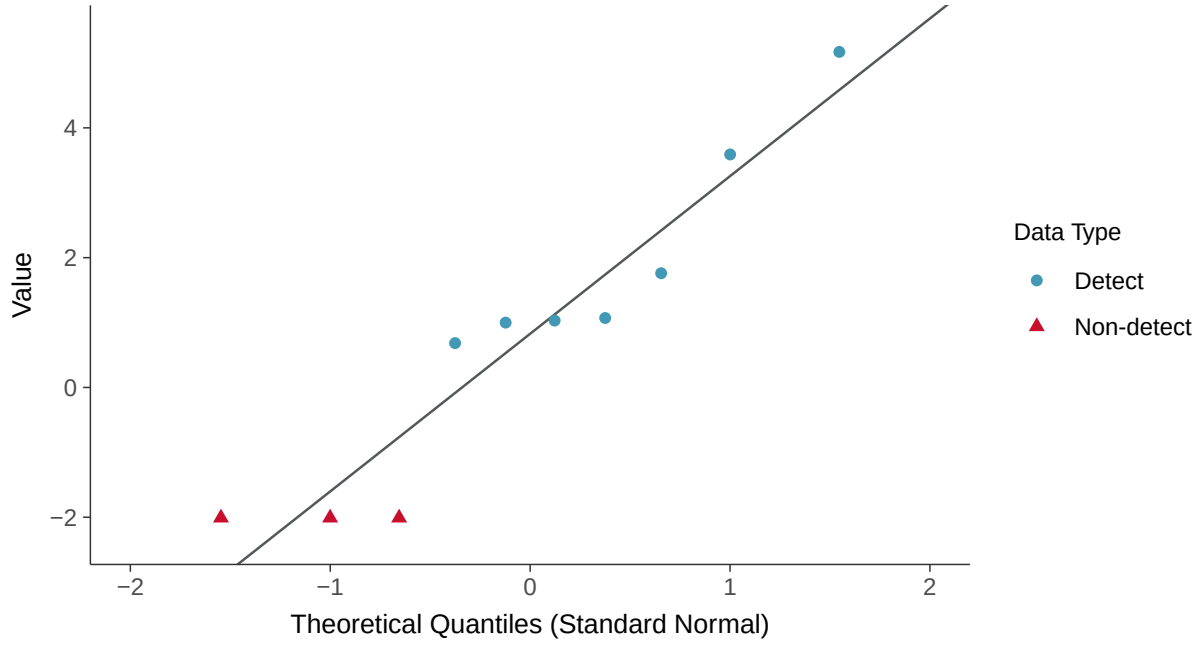
Boxplot by Season

Radium-226+228, MW-18D (pci/l)



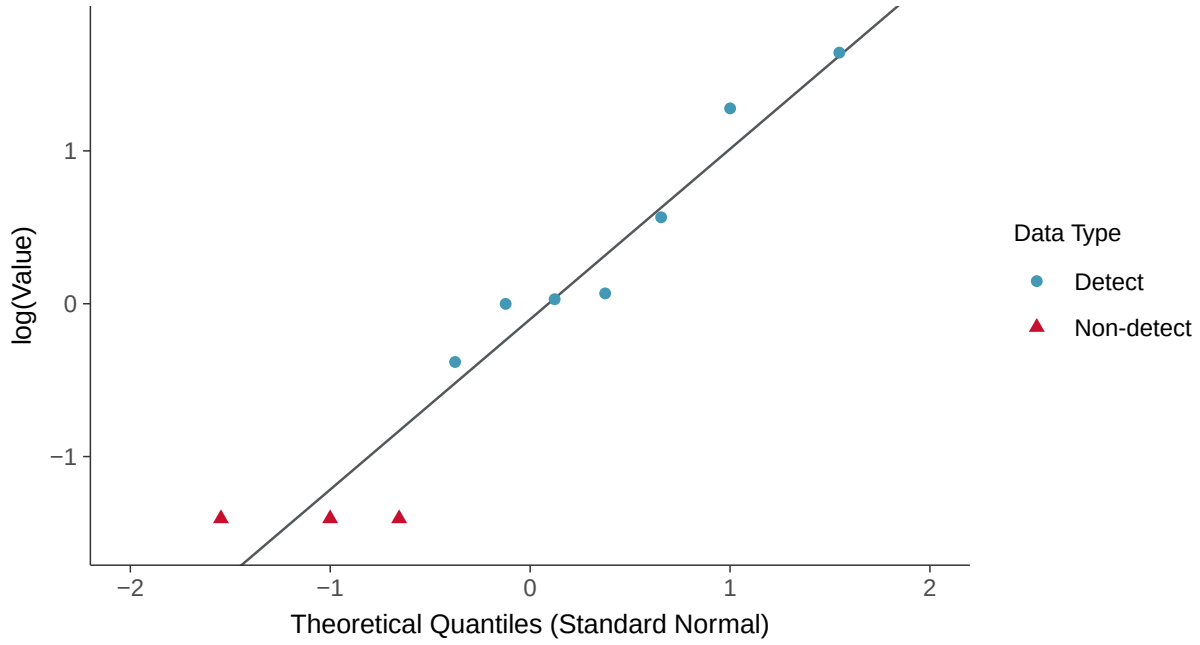
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-18D (pci/l)



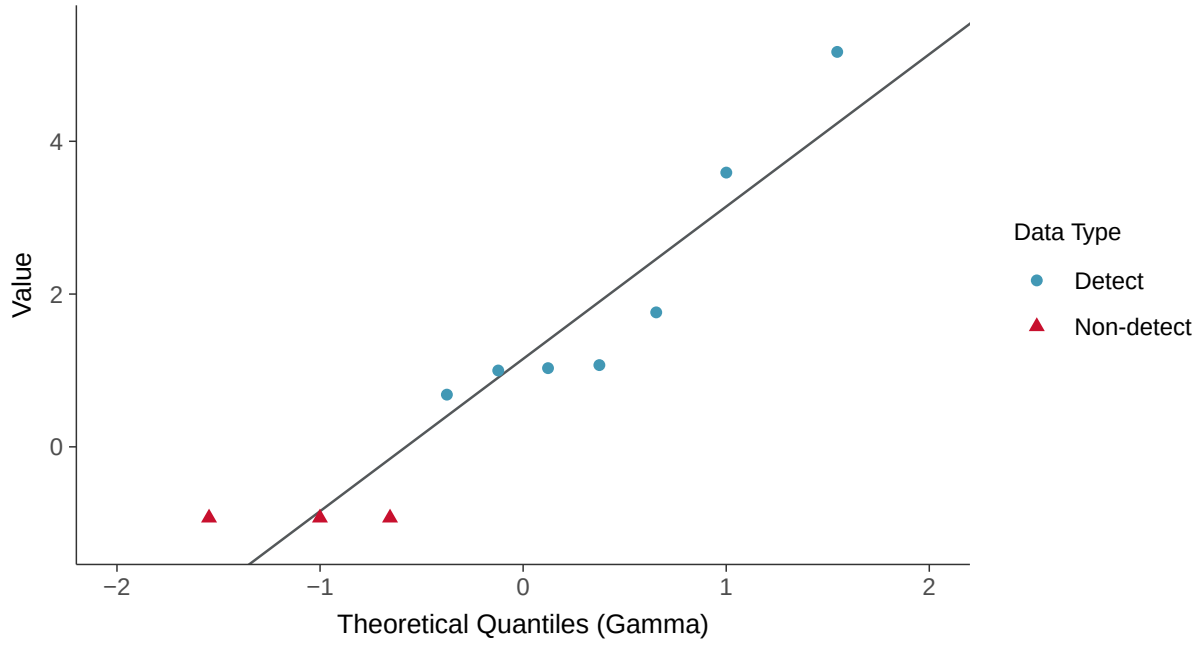
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-18D (pci/l)



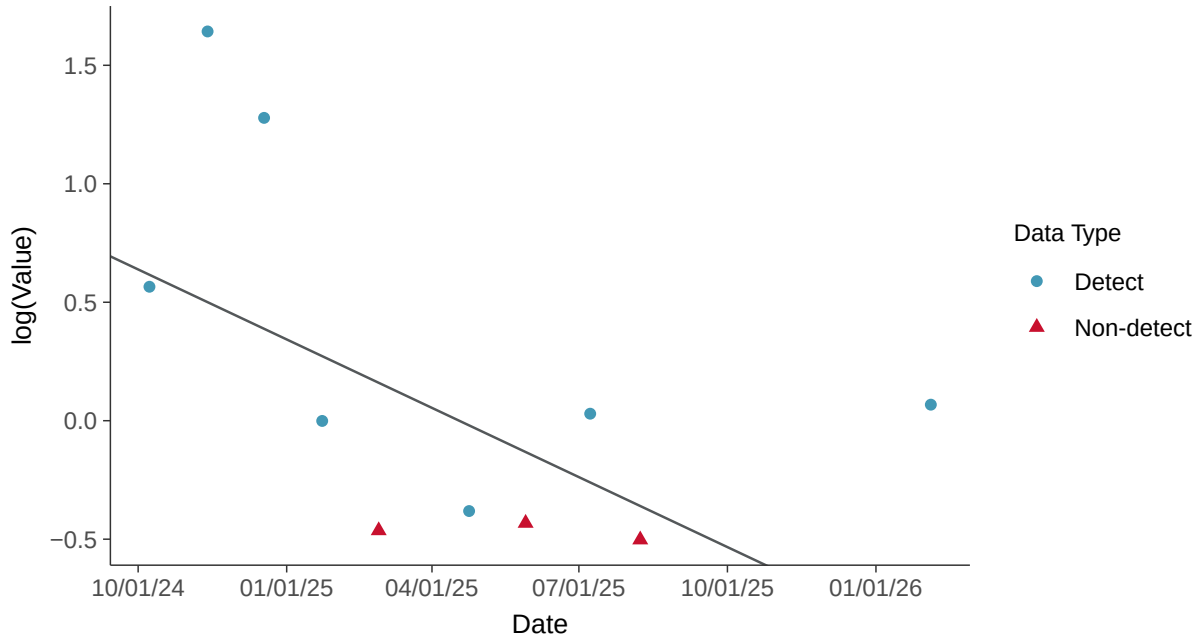
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-18D (pci/l)



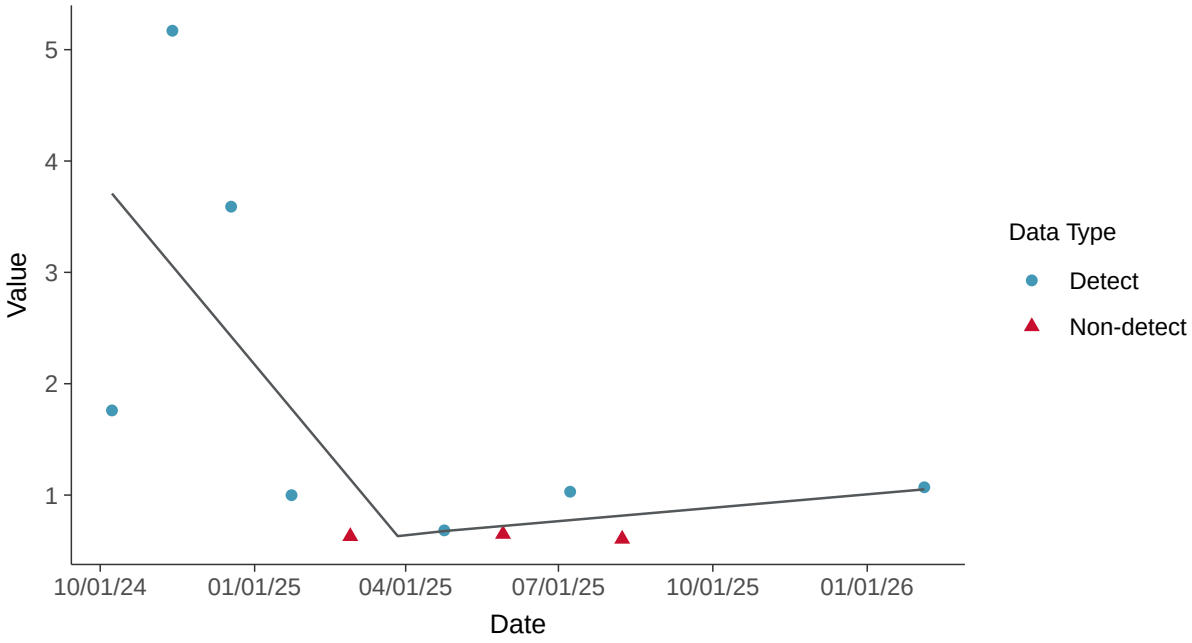
Trend Regression: Lognormal MLE

Radium-226+228, MW-18D (pci/l)



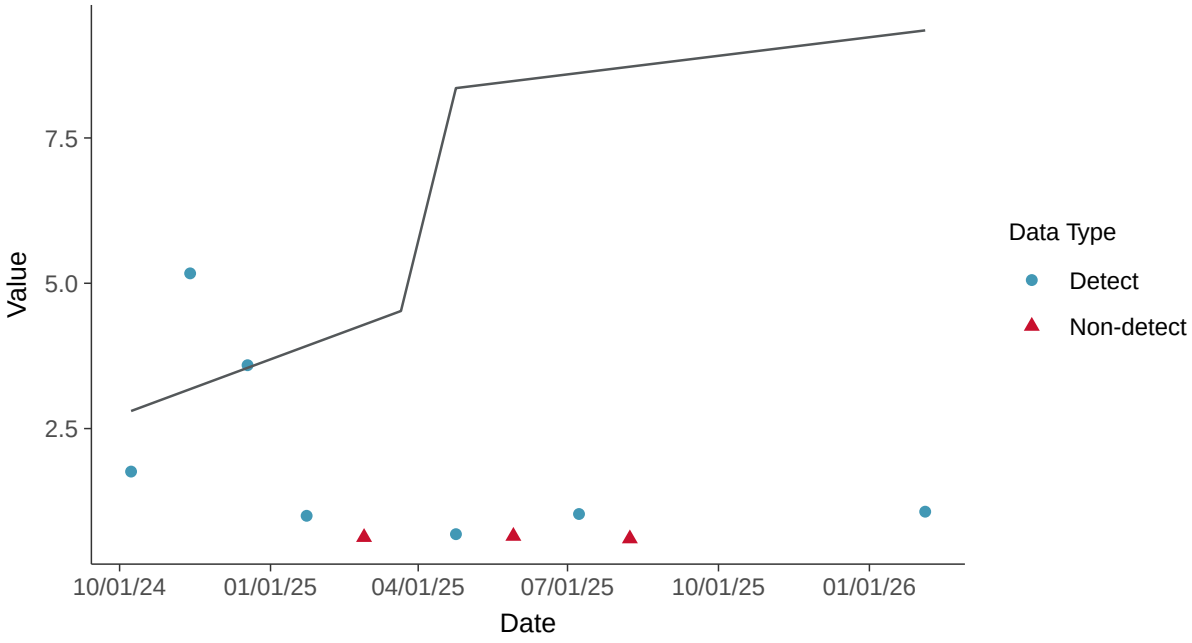
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-18D (pci/l)



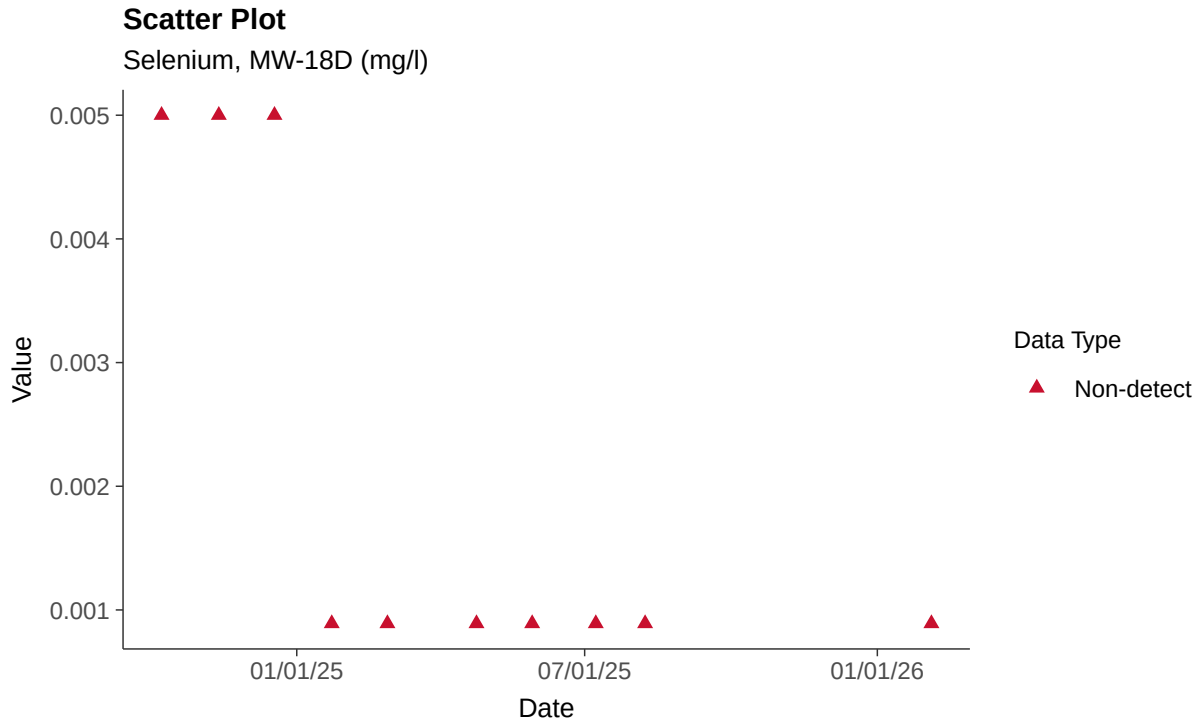
Trend Regression: Piecewise Linear-Linear-Linear

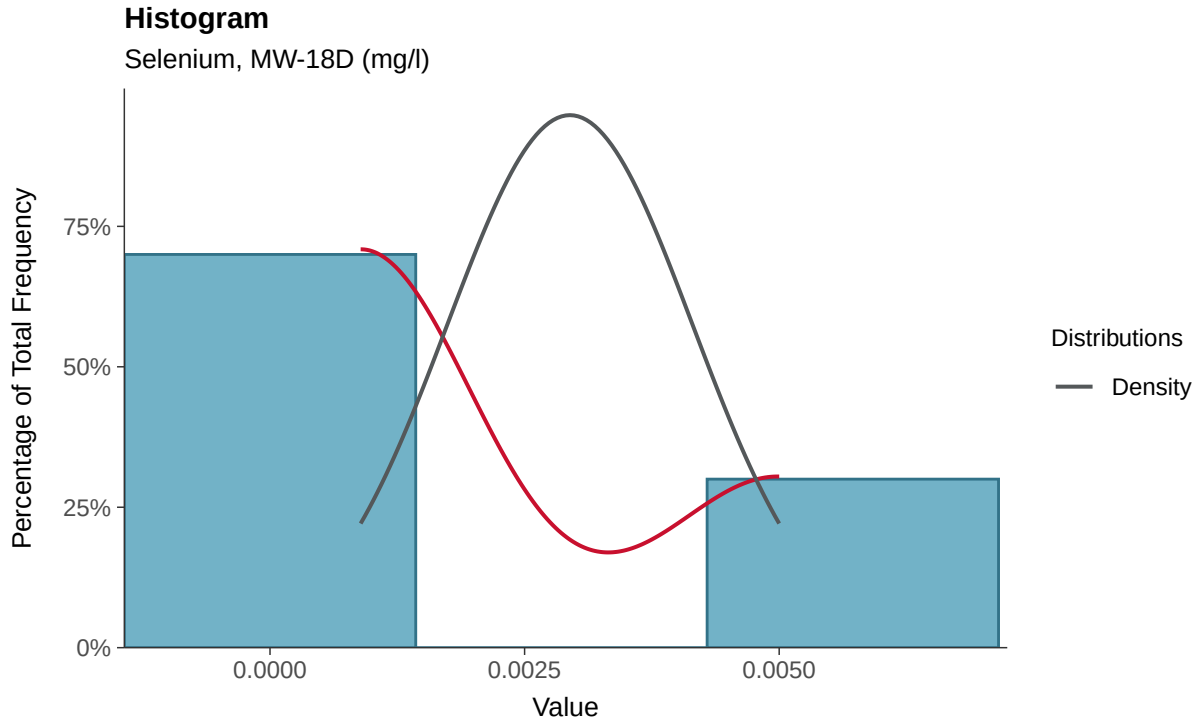
Radium-226+228, MW-18D (pci/l)



Appendix IV: Selenium, MW-18D

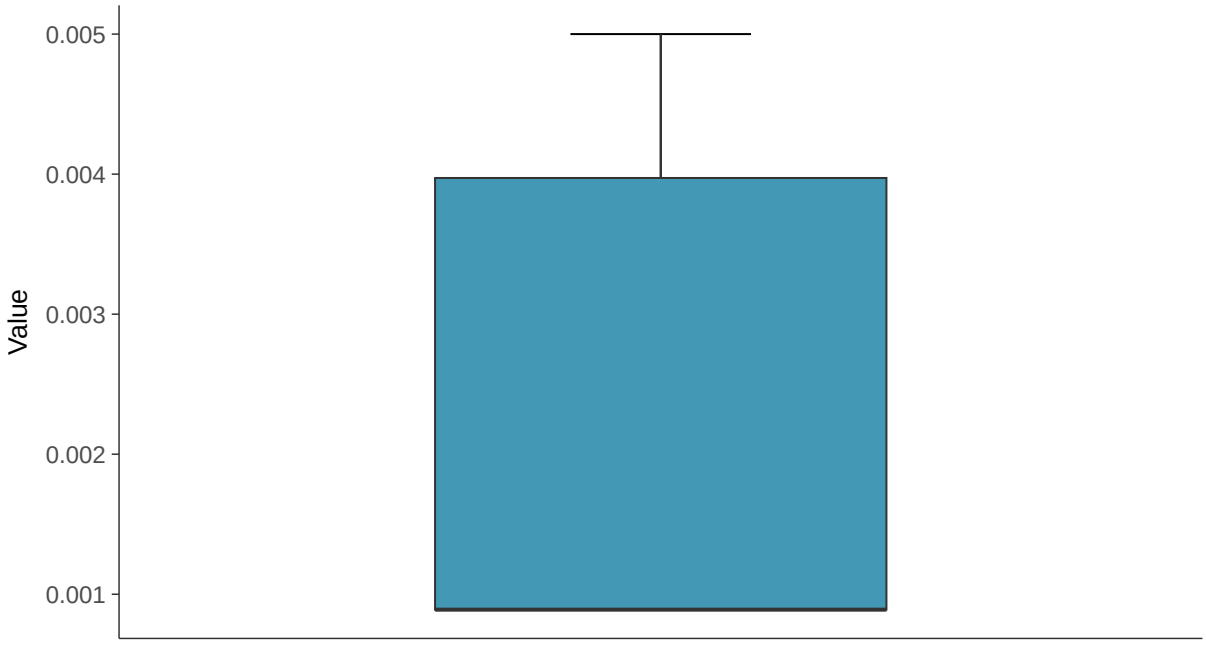
ID: 17_3_122





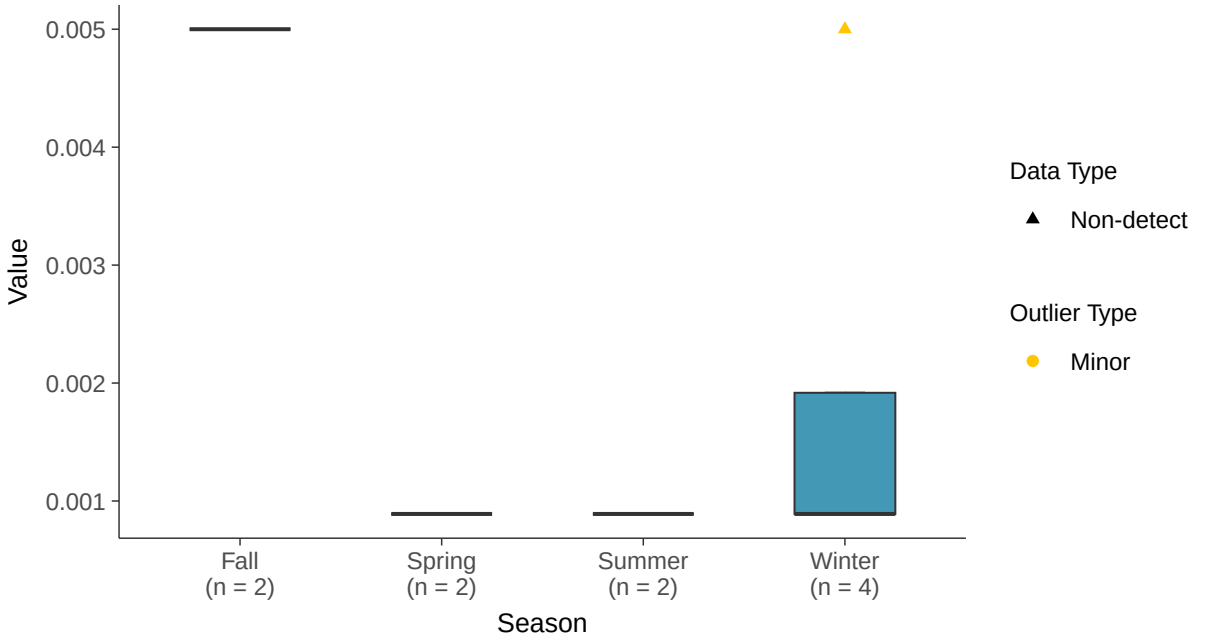
Boxplot

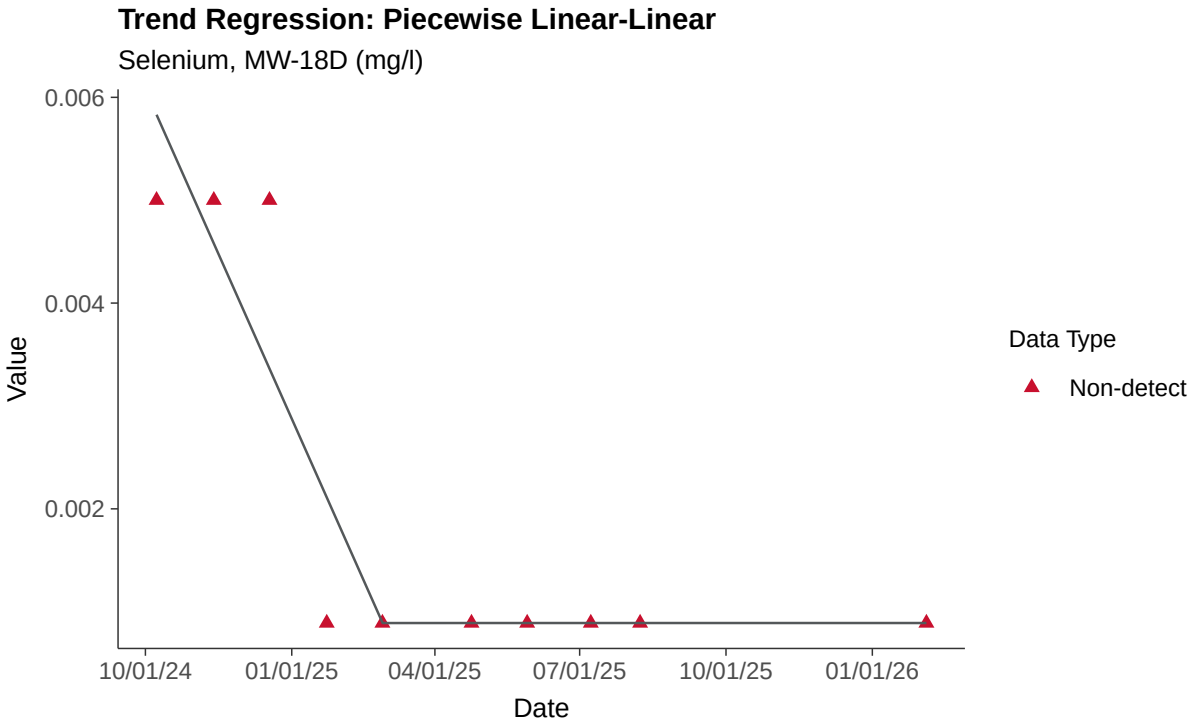
Selenium, MW-18D (mg/l)



Boxplot by Season

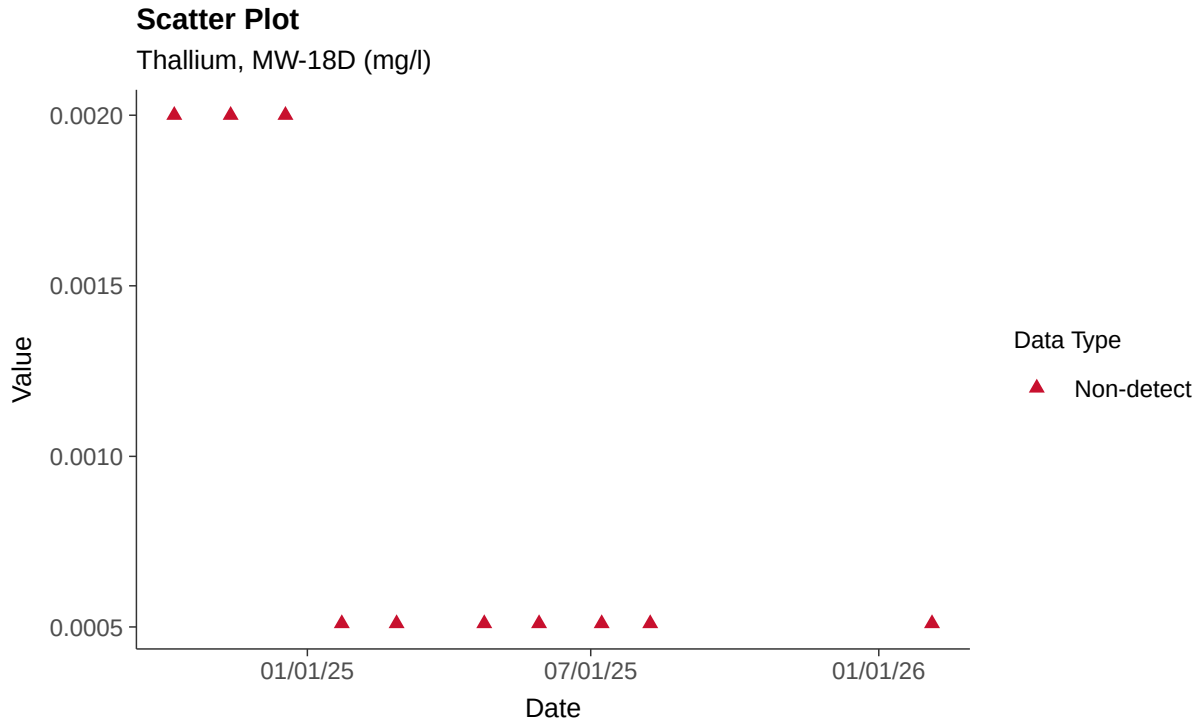
Selenium, MW-18D (mg/l)

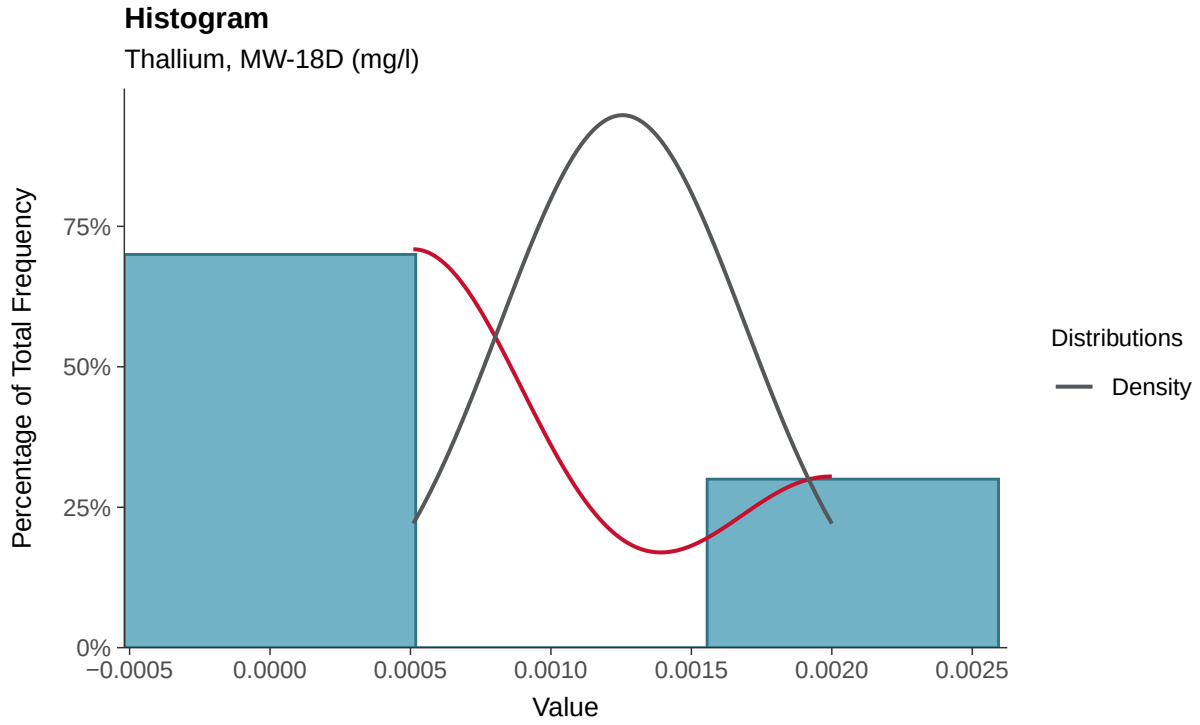



Trend Regression: Piecewise Linear-Linear
Selenium, MW-18D (mg/l)
0.006
0.004
0.002
Value
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-18D

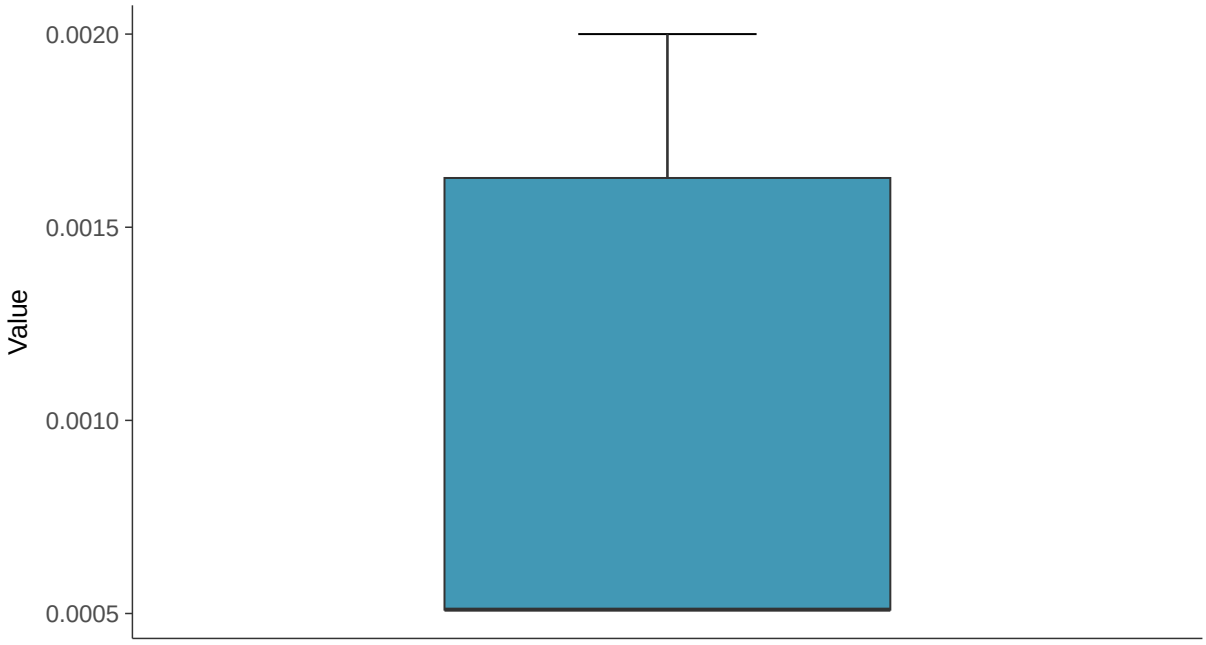
ID: 17_3_125





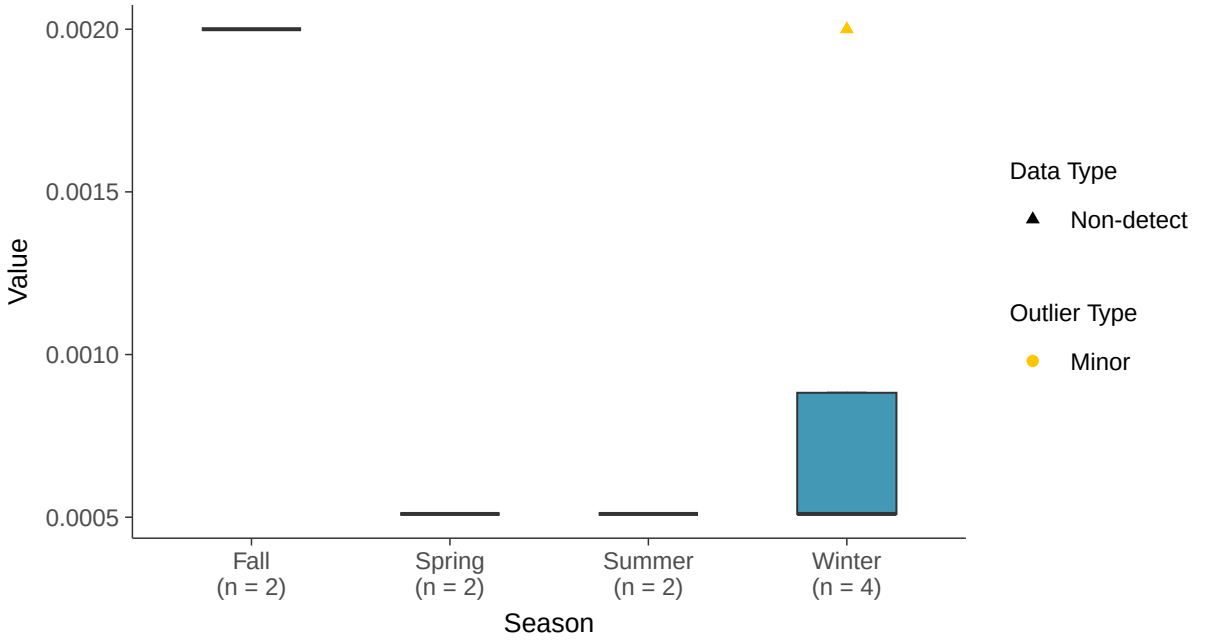
Boxplot

Thallium, MW-18D (mg/l)



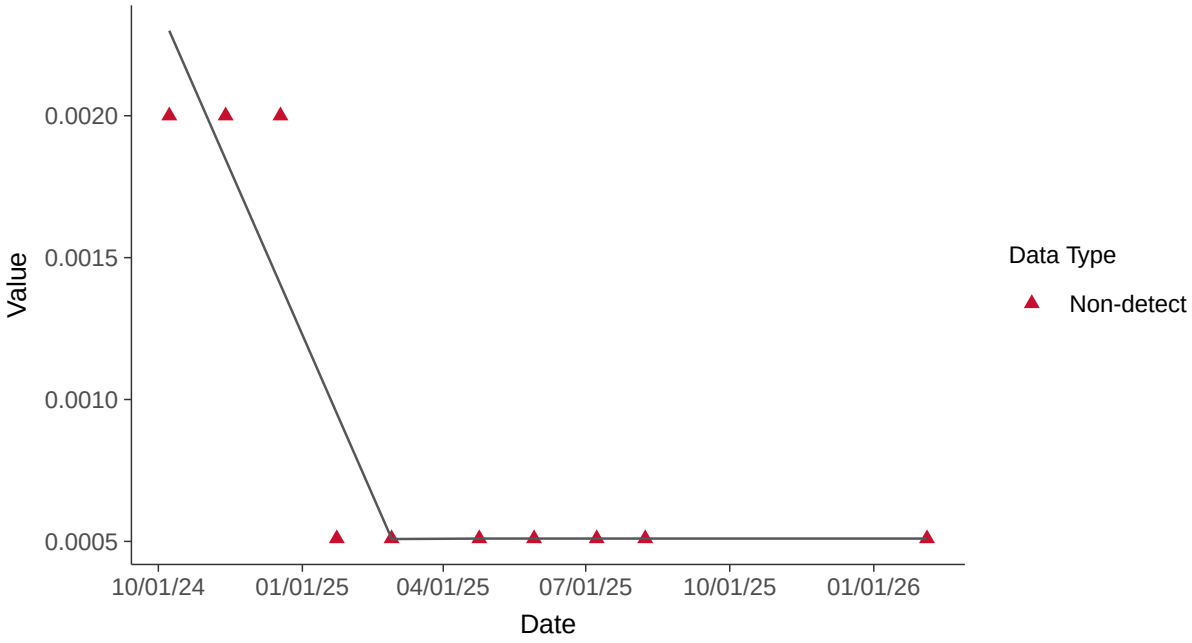
Boxplot by Season

Thallium, MW-18D (mg/l)



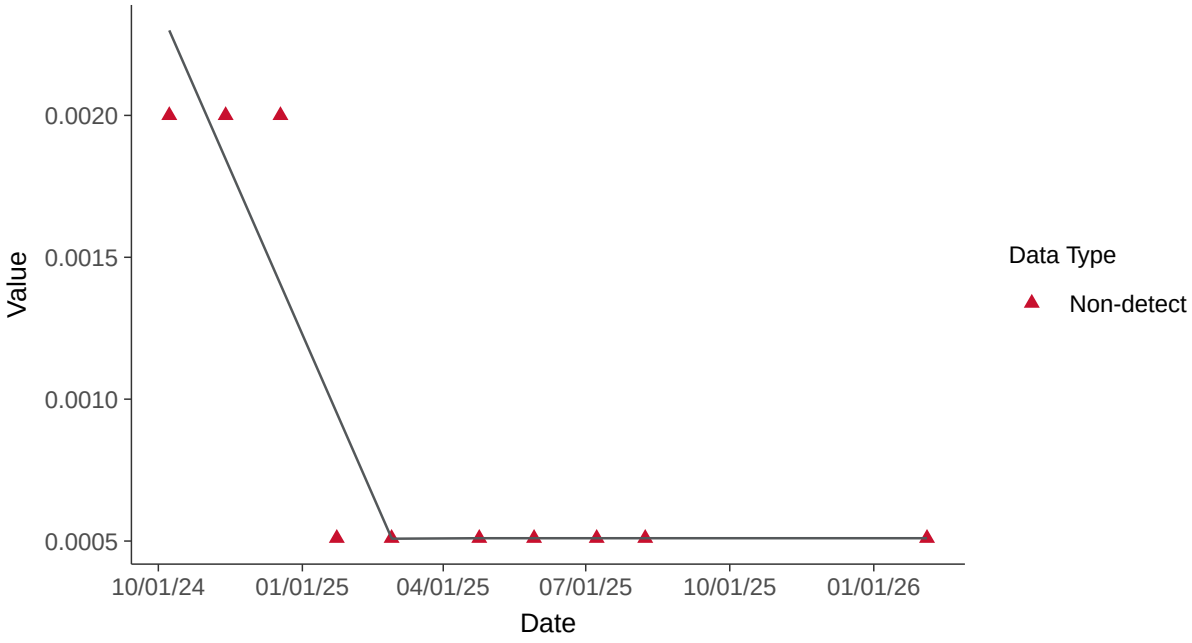
Trend Regression: Piecewise Linear-Linear

Thallium, MW-18D (mg/l)



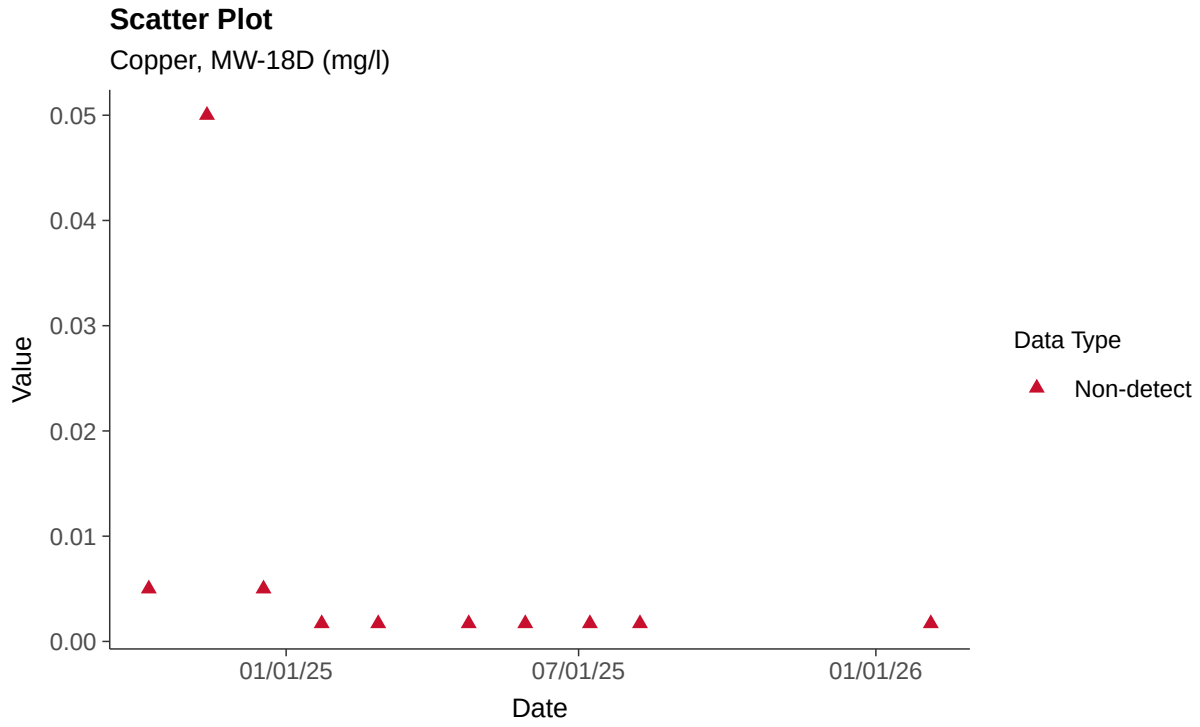
Trend Regression: Piecewise Linear-Linear-Linear

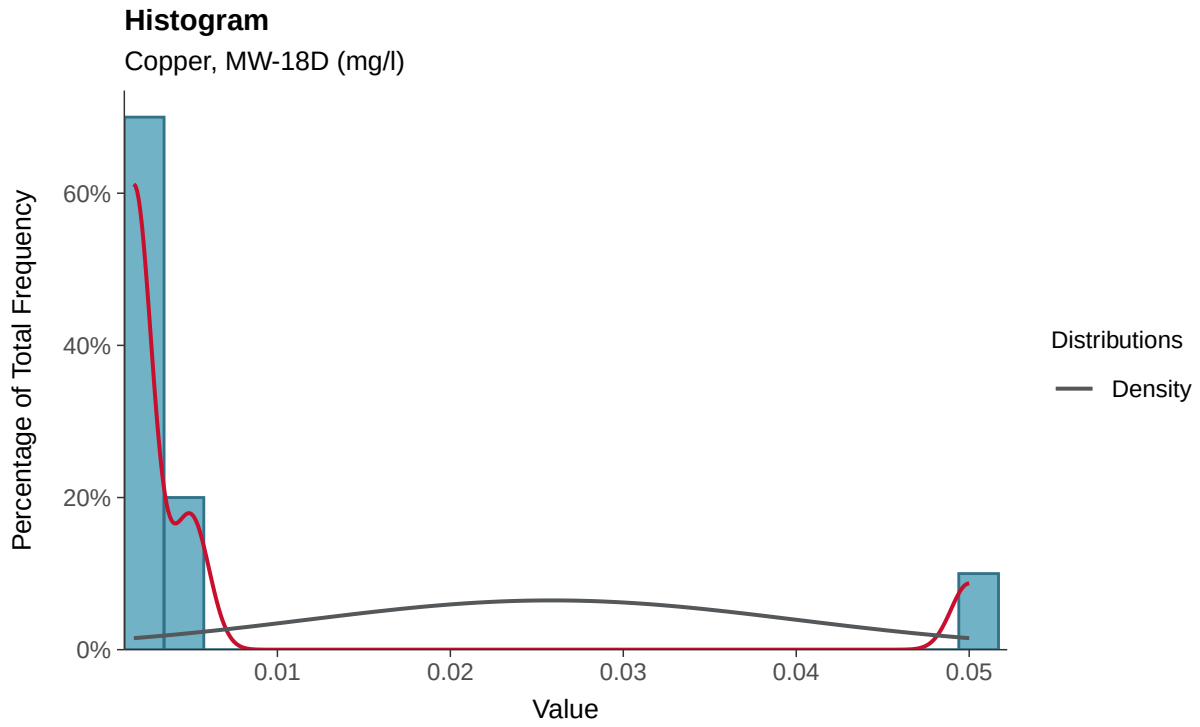
Thallium, MW-18D (mg/l)



Part 115: Copper, MW-18D

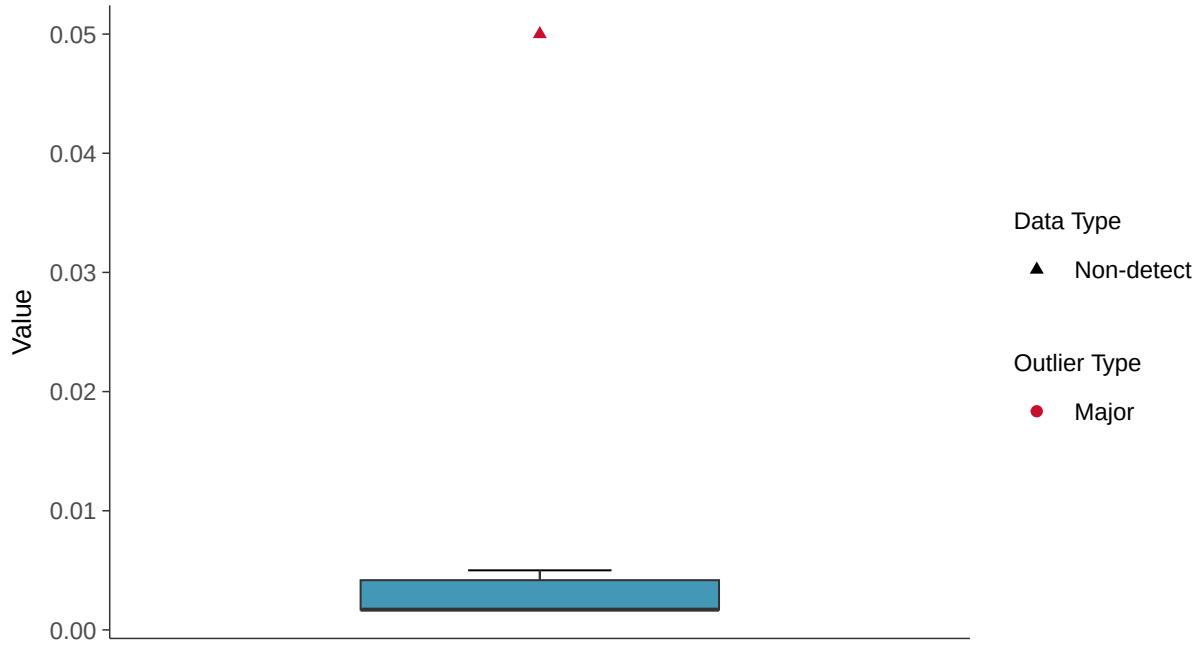
ID: 17_5_111





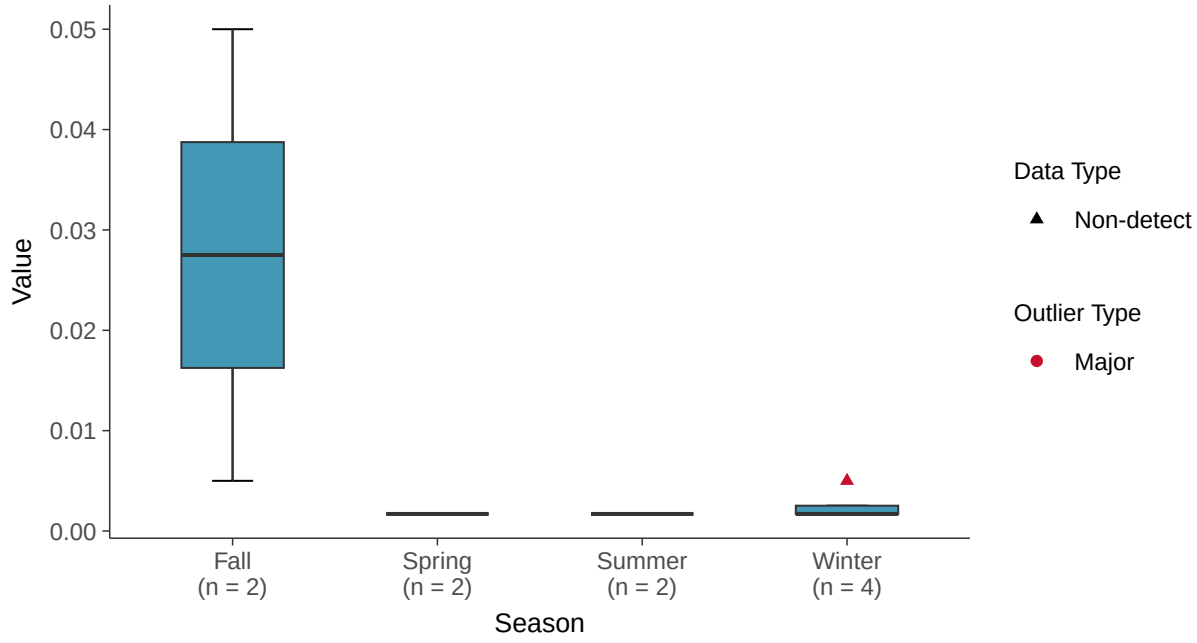
Boxplot

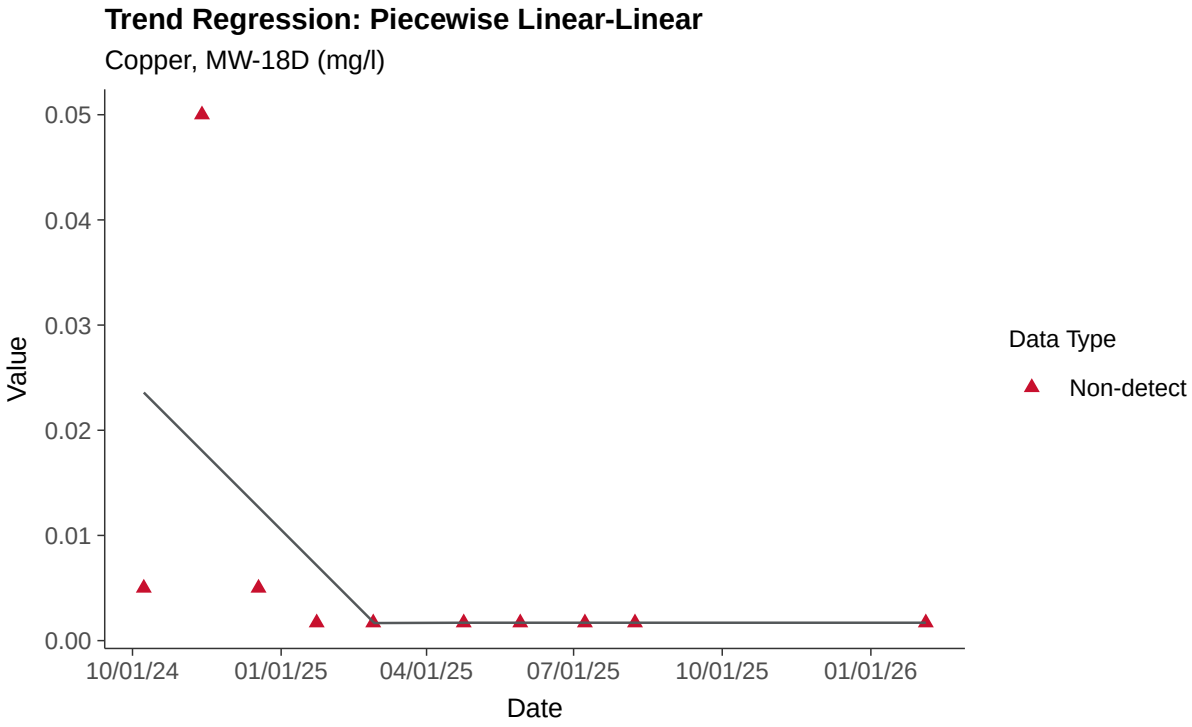
Copper, MW-18D (mg/l)



Boxplot by Season

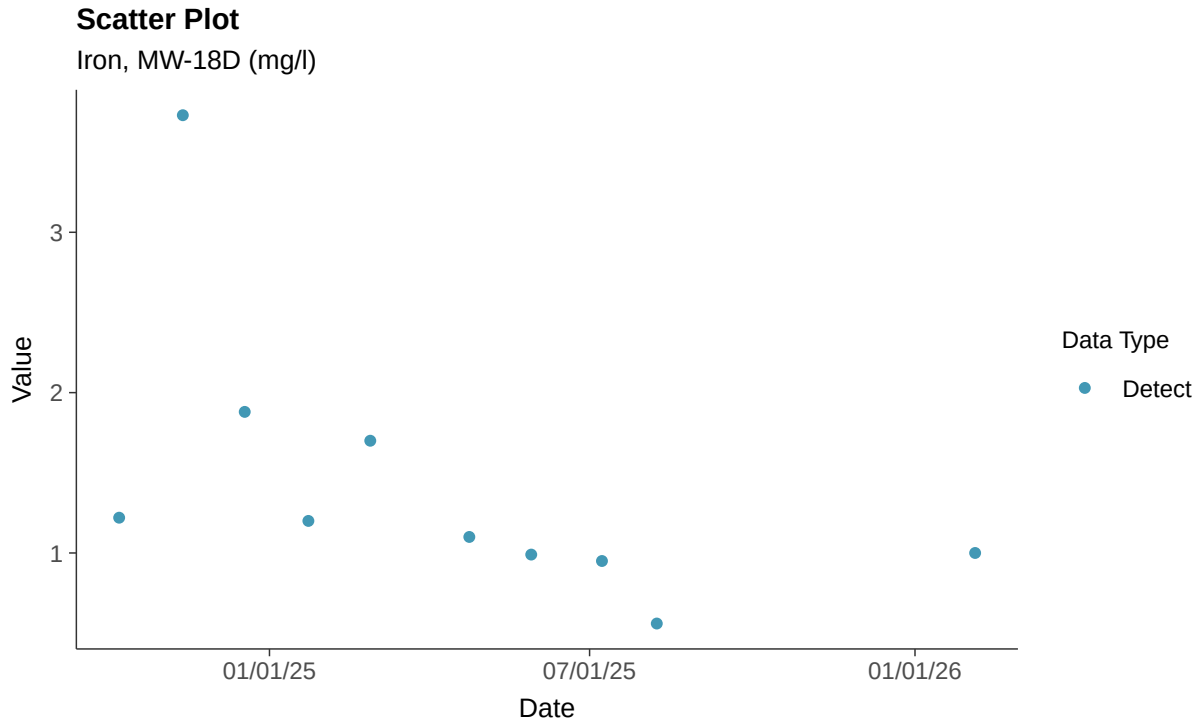
Copper, MW-18D (mg/l)

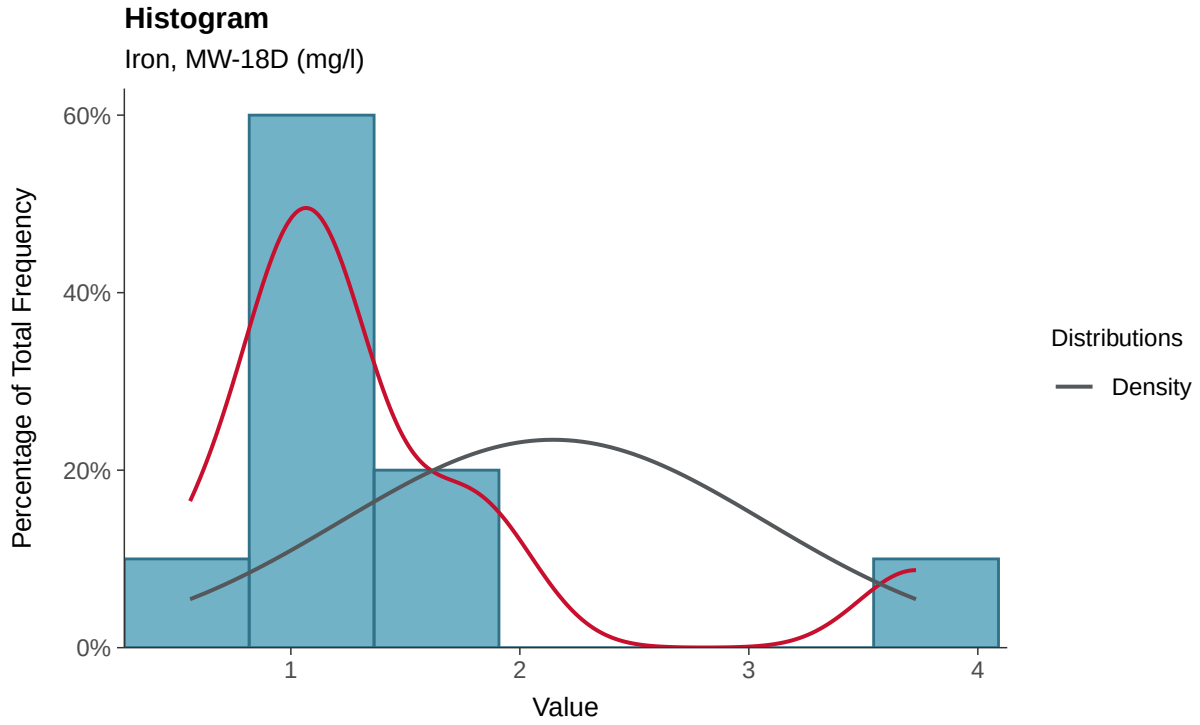



Trend Regression: Piecewise Linear-Linear
Copper, MW-18D (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Iron, MW-18D

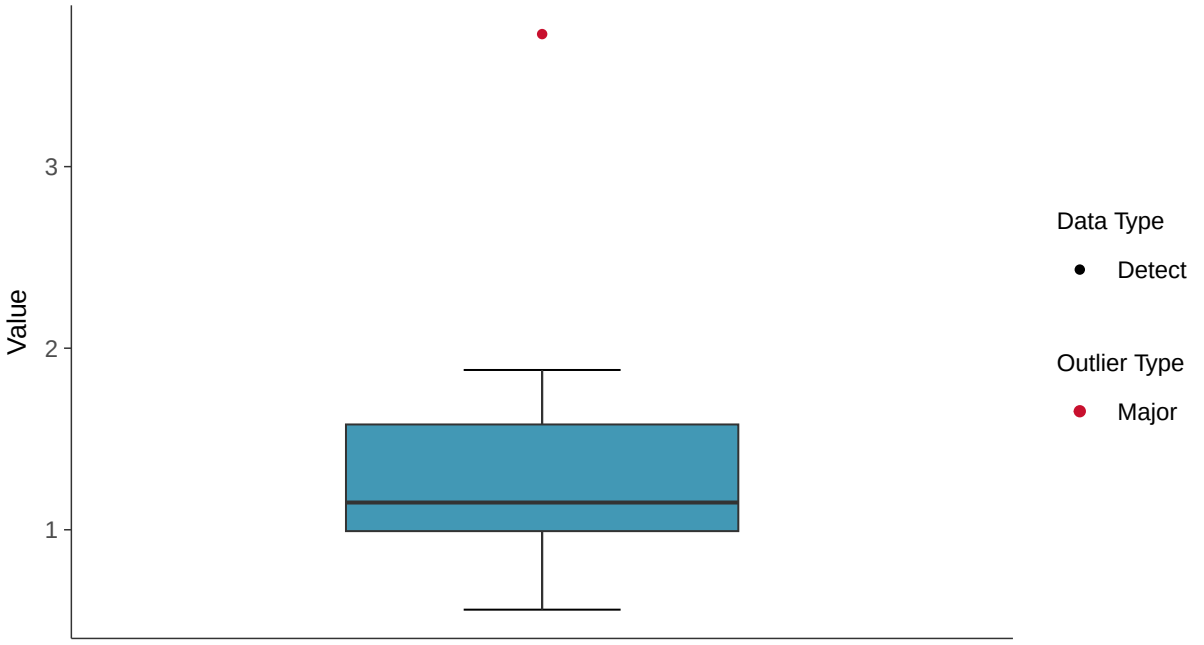
ID: 17_5_114





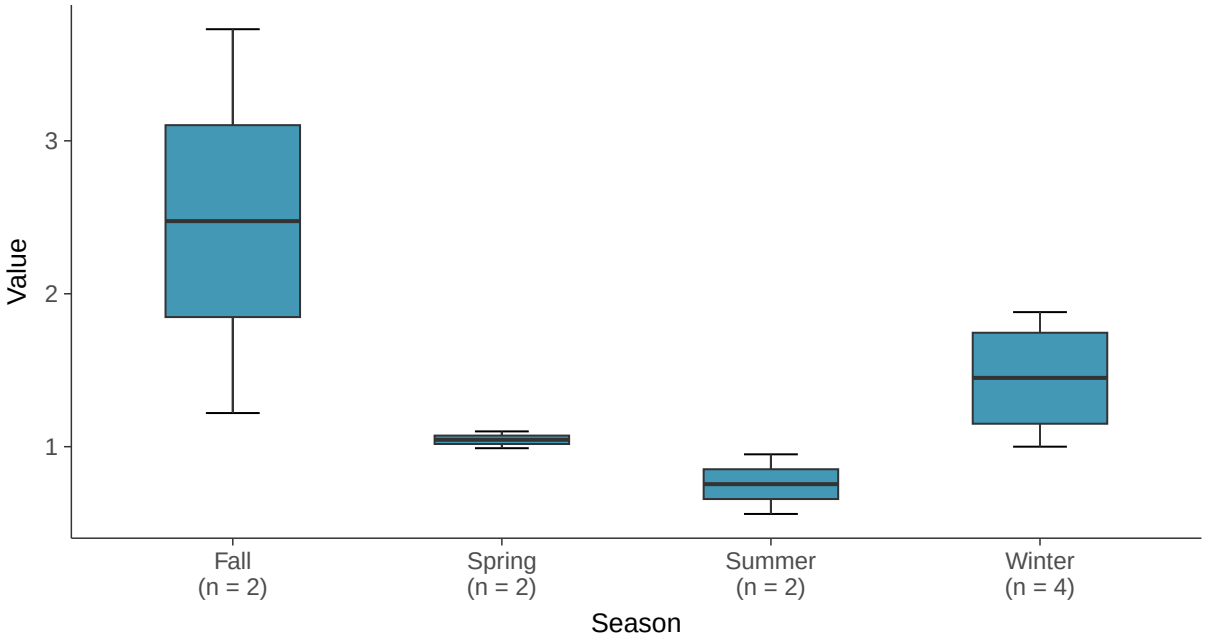
Boxplot

Iron, MW-18D (mg/l)



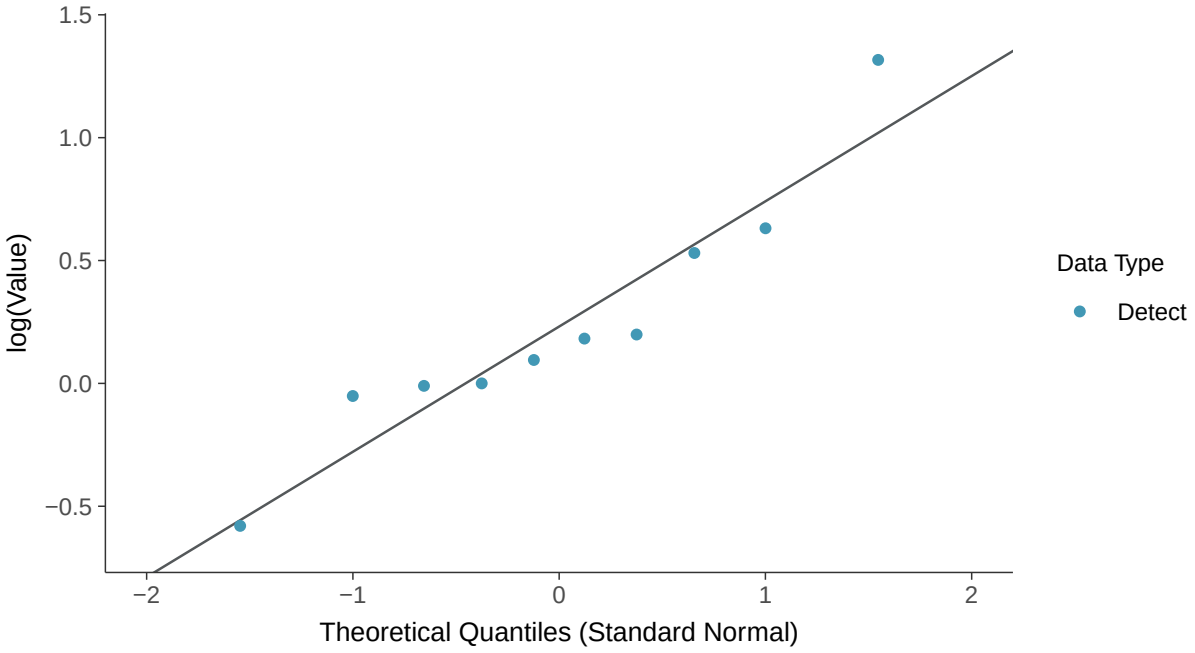
Boxplot by Season

Iron, MW-18D (mg/l)



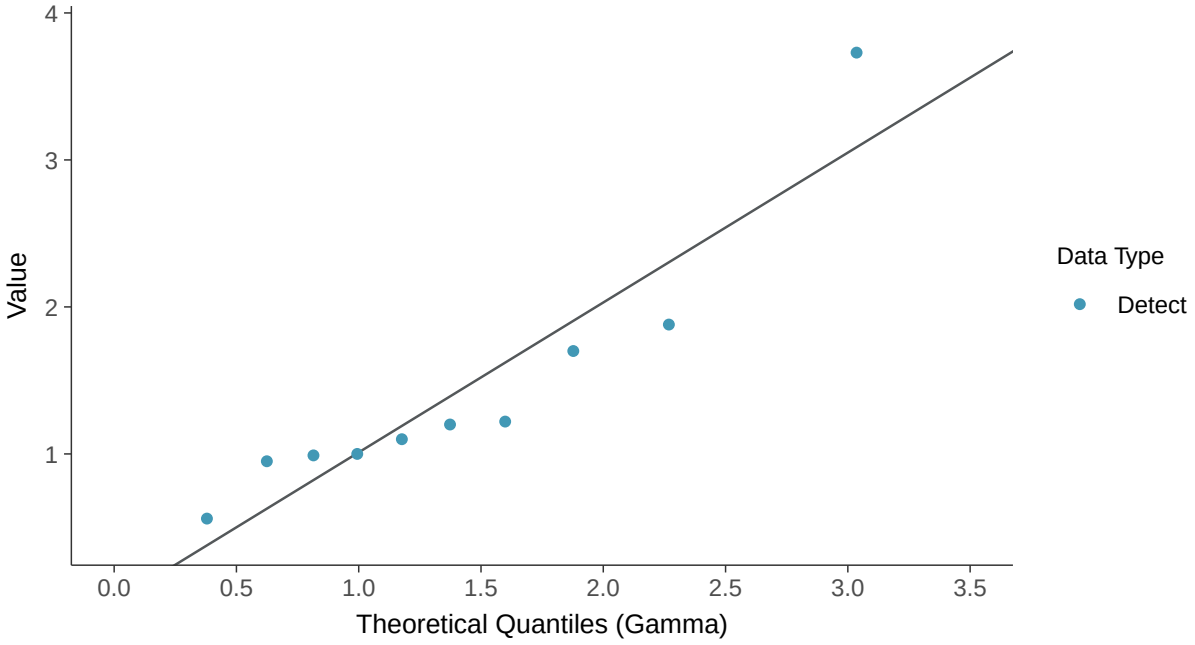
Lognormal Q-Q plot

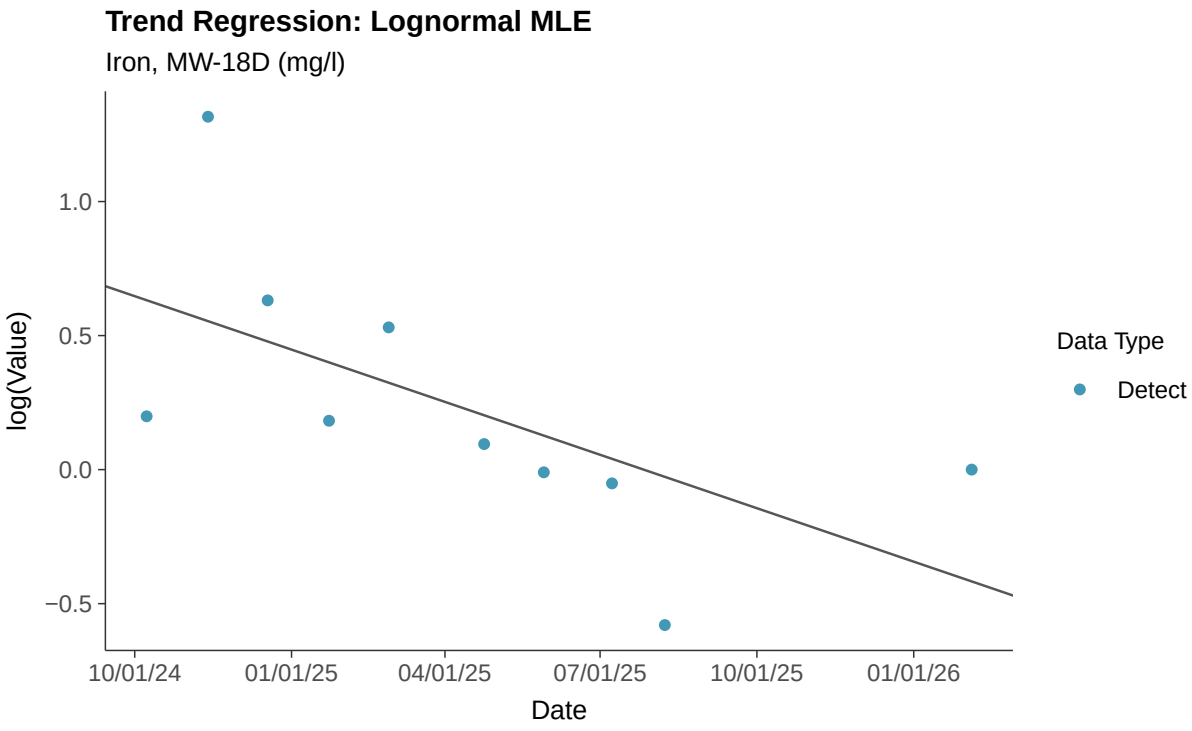
Iron, MW-18D (mg/l)



Gamma Q-Q plot

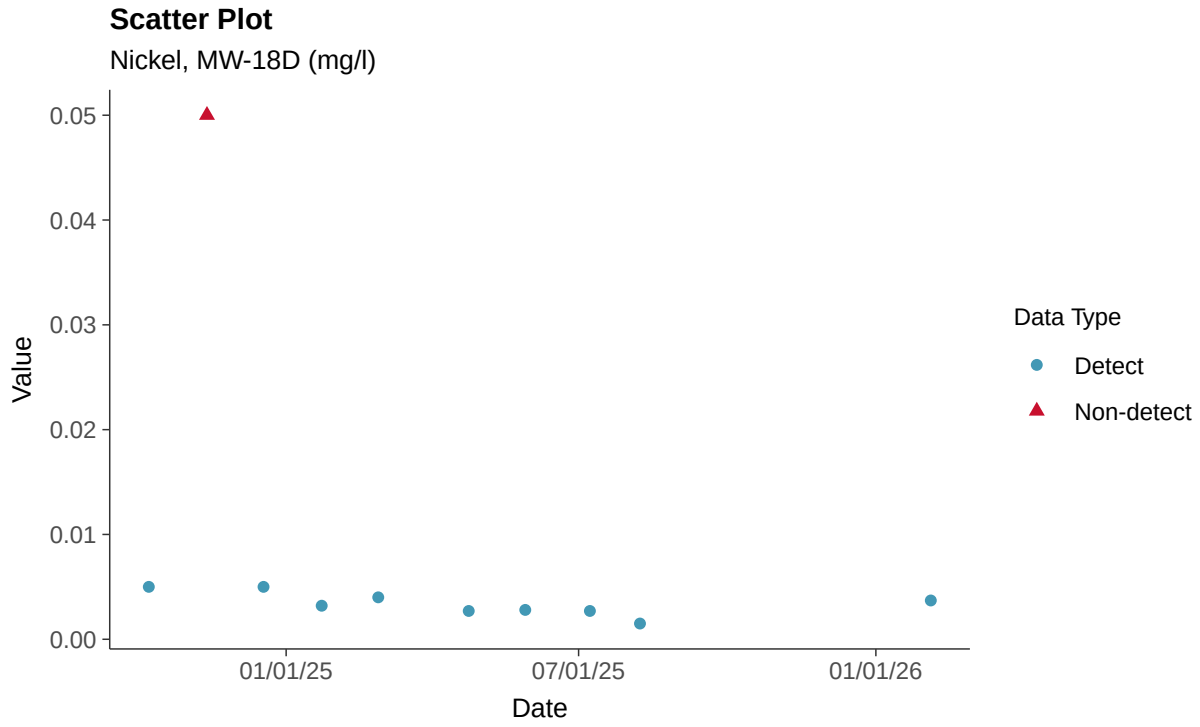
Iron, MW-18D (mg/l)

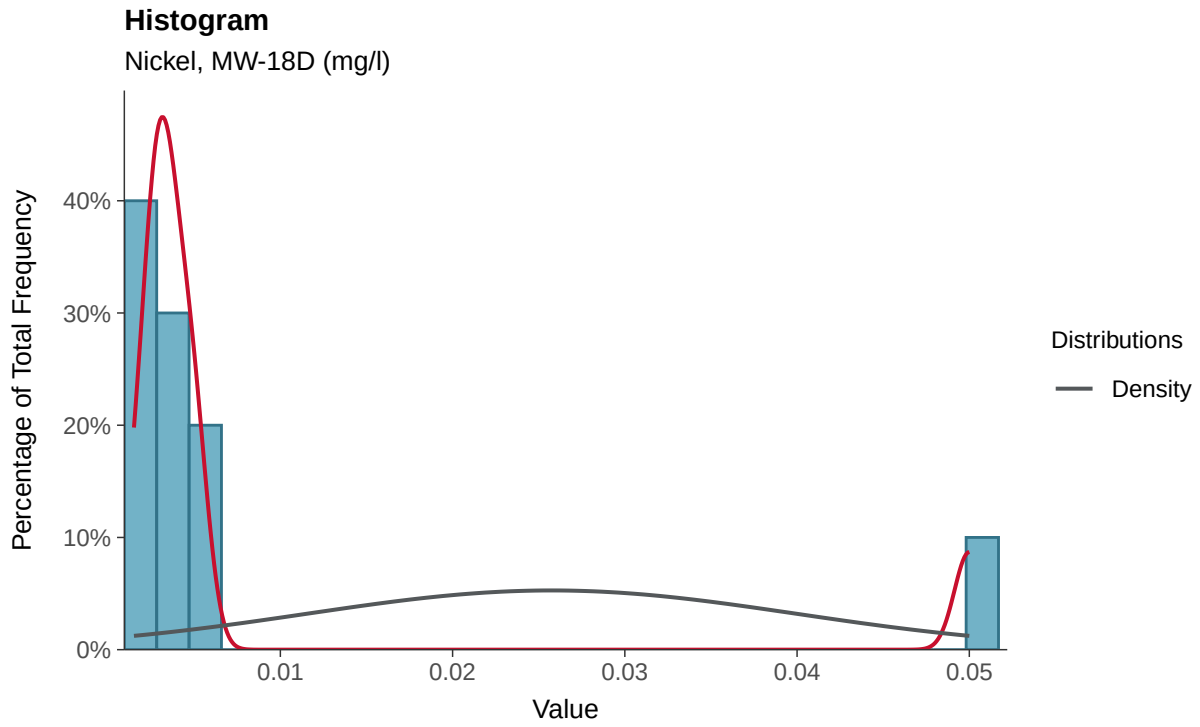



Trend Regression: Lognormal MLE
Iron, MW-18D (mg/l)
log(Value)
1.0
0.5
0.0
−0.5
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Part 115: Nickel, MW-18D

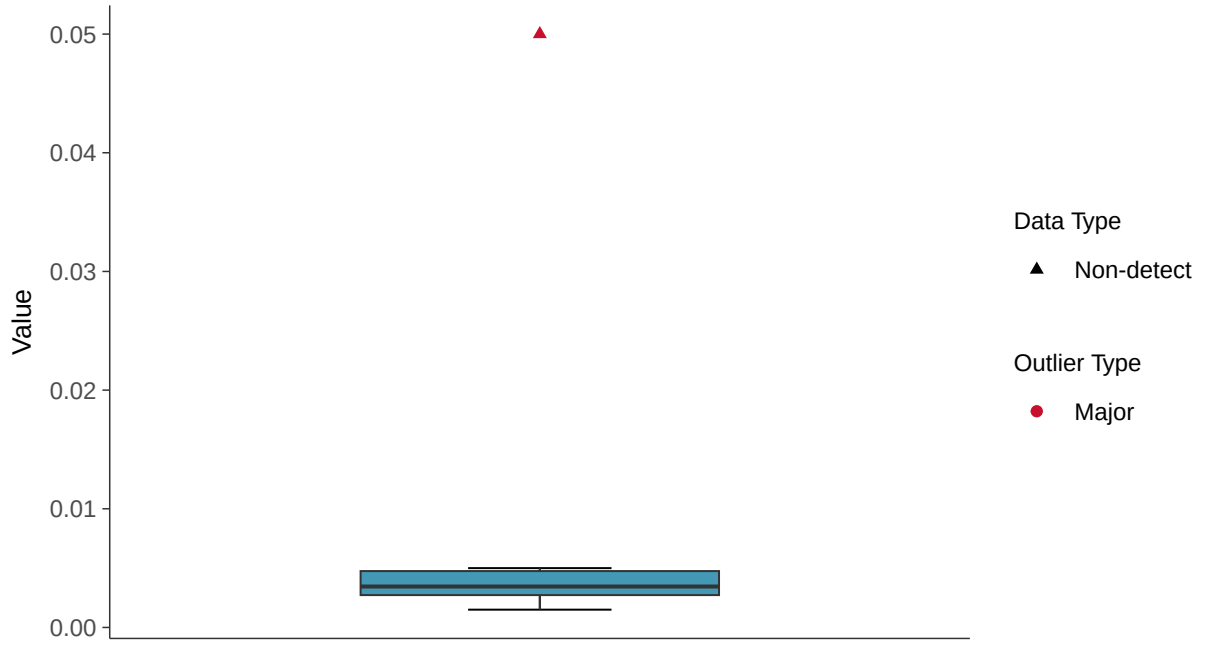
ID: 17_5_119





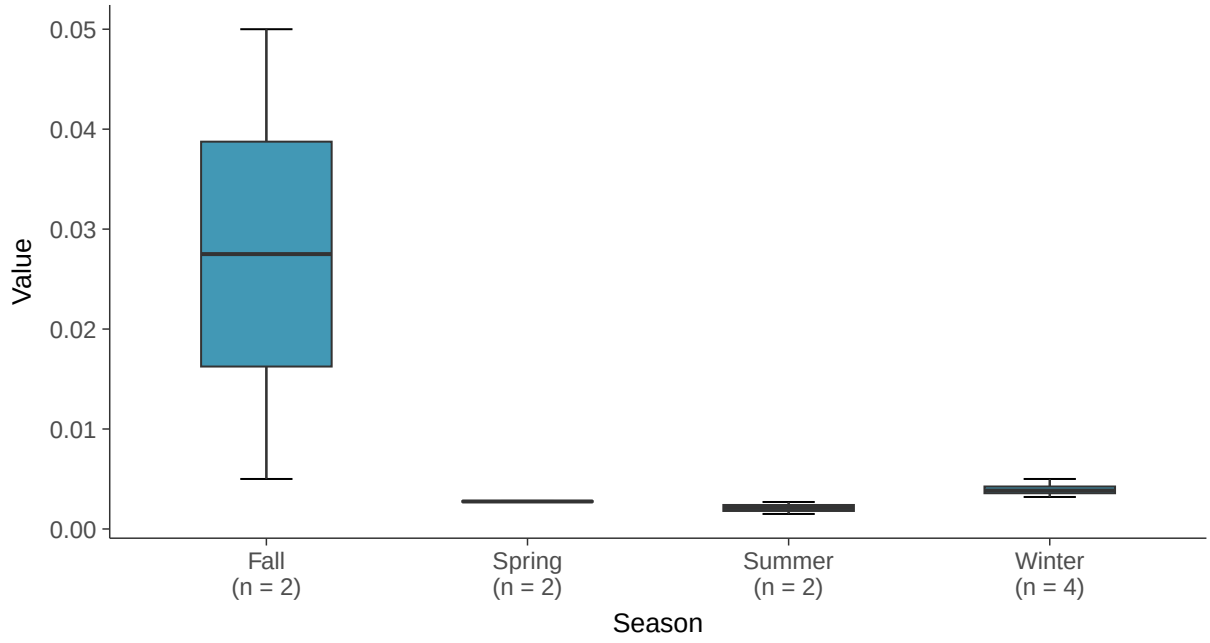
Boxplot

Nickel, MW-18D (mg/l)



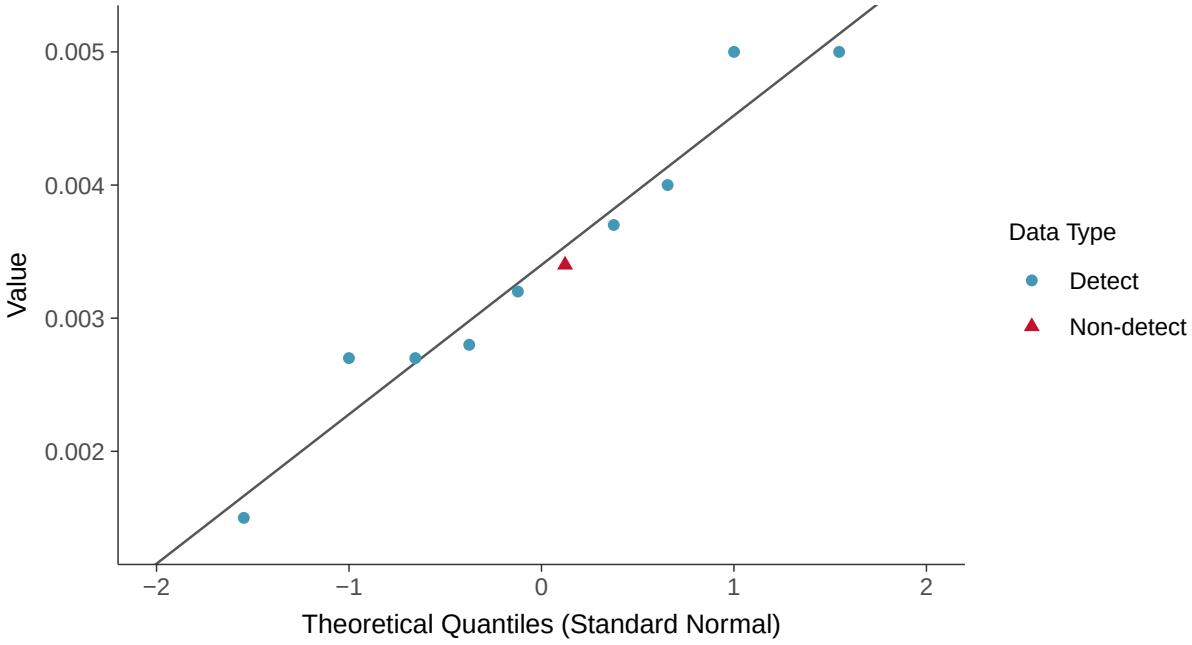
Boxplot by Season

Nickel, MW-18D (mg/l)



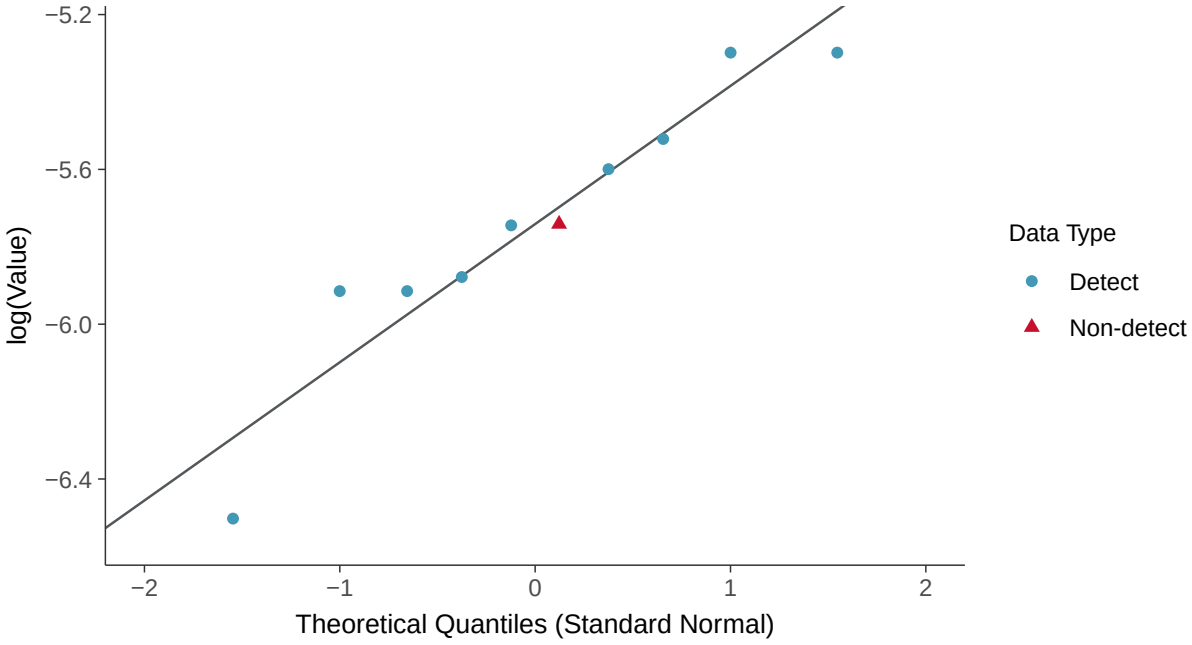
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-18D (mg/l)



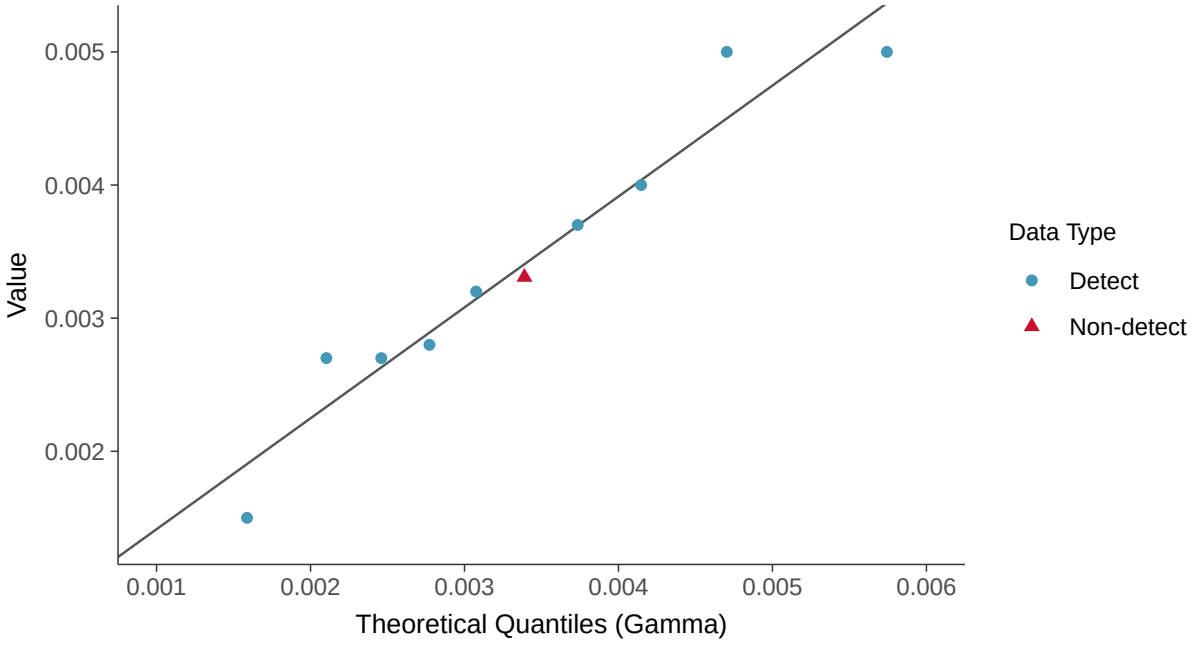
Lognormal Q-Q plot using ROS Imputed Estimates

Nickel, MW-18D (mg/l)



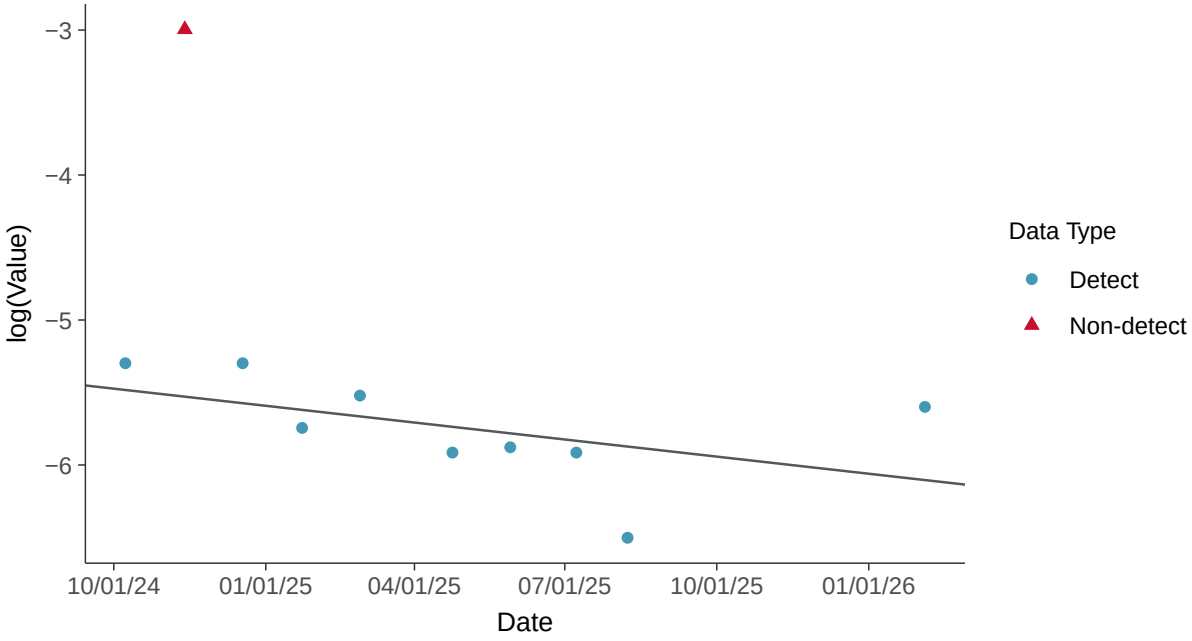
Gamma Q-Q plot using ROS Imputed Estimates

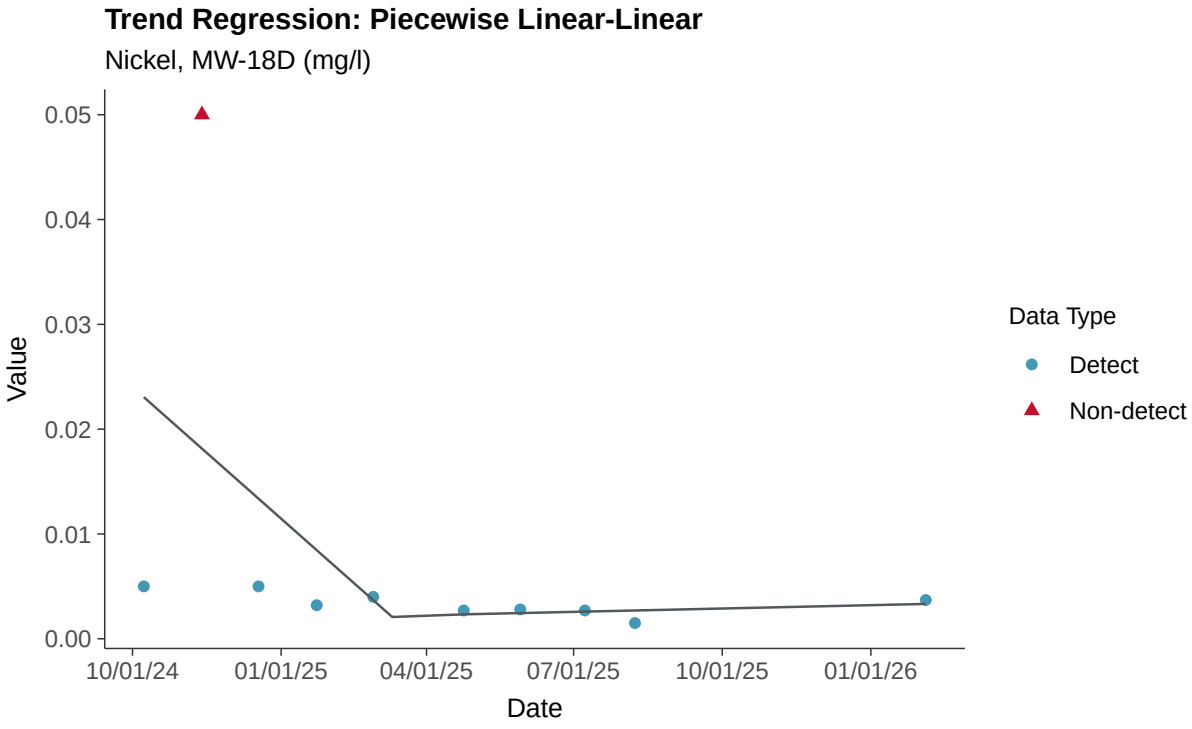
Nickel, MW-18D (mg/l)



Trend Regression: Lognormal MLE

Nickel, MW-18D (mg/l)



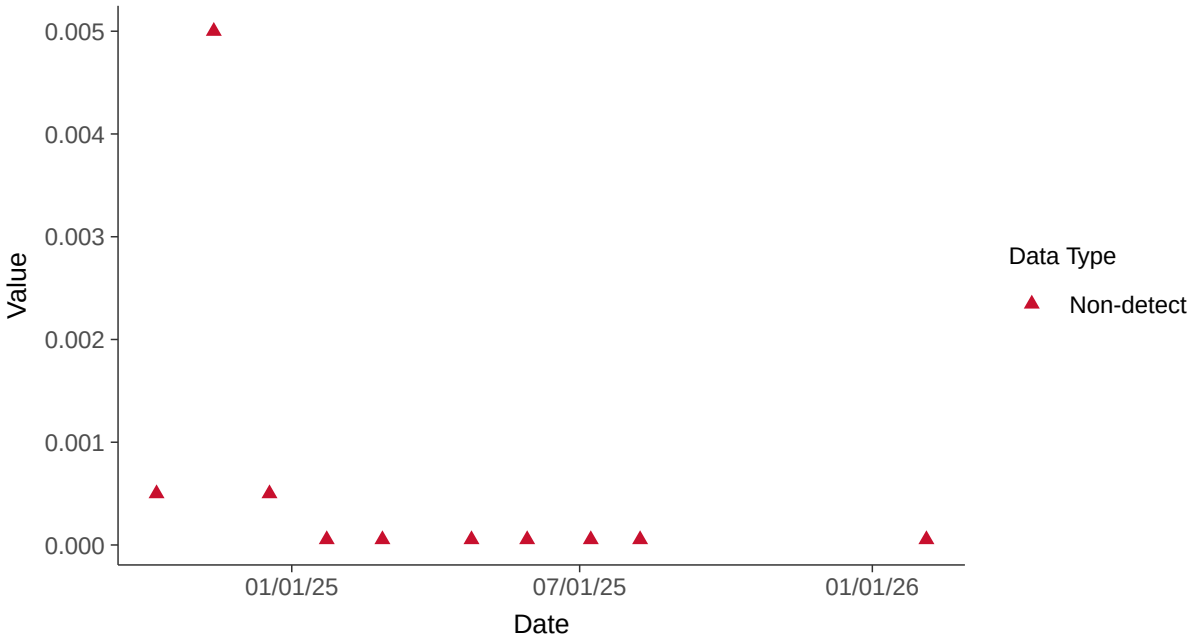

Trend Regression: Piecewise Linear-Linear
Nickel, MW-18D (mg/l)
Value
0.05
0.04
0.03
0.02
0.01
0.00
10/01/24
01/01/25
04/01/25
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Silver, MW-18D

ID: 17_5_123

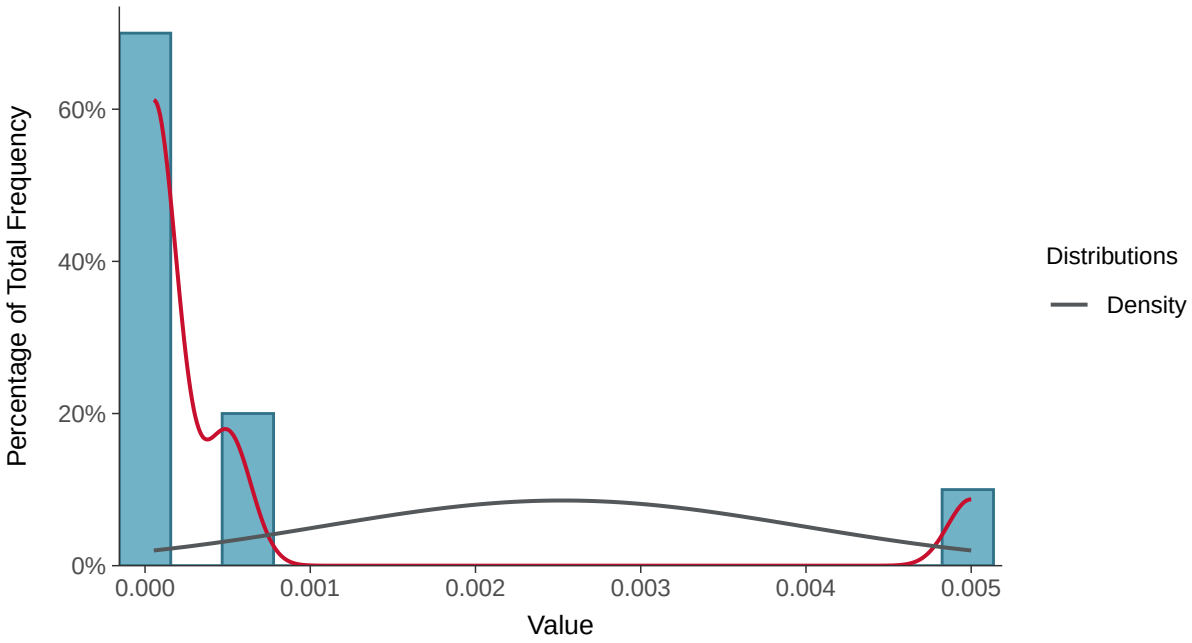
Scatter Plot

Silver, MW-18D (mg/l)



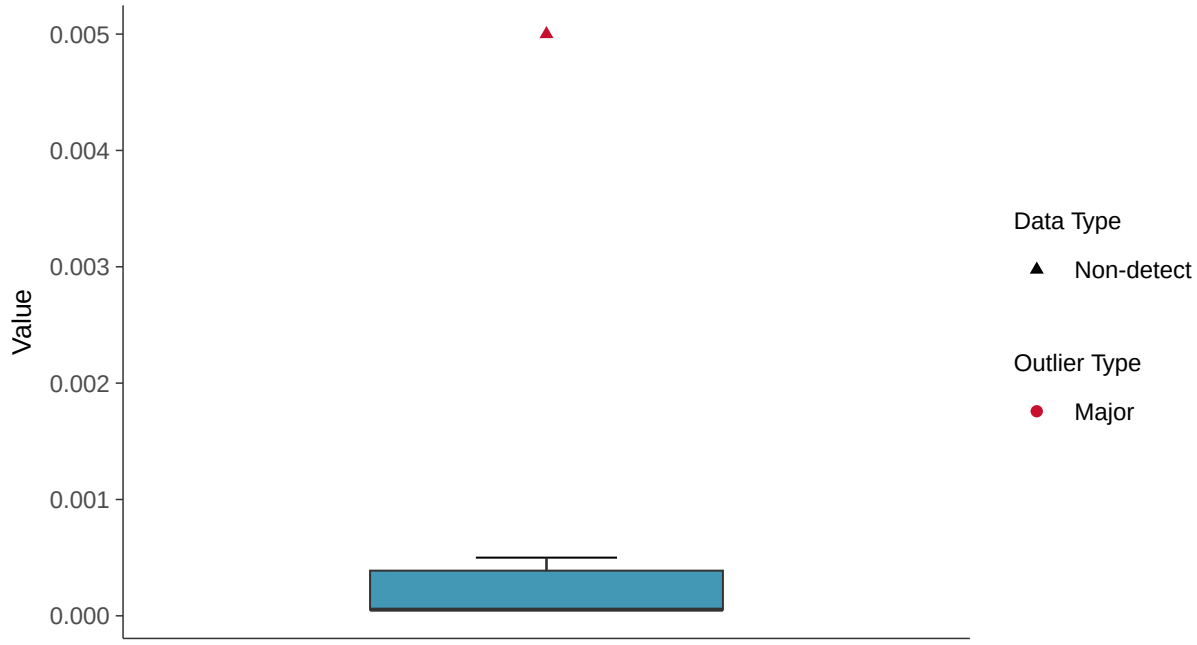
Histogram

Silver, MW-18D (mg/l)



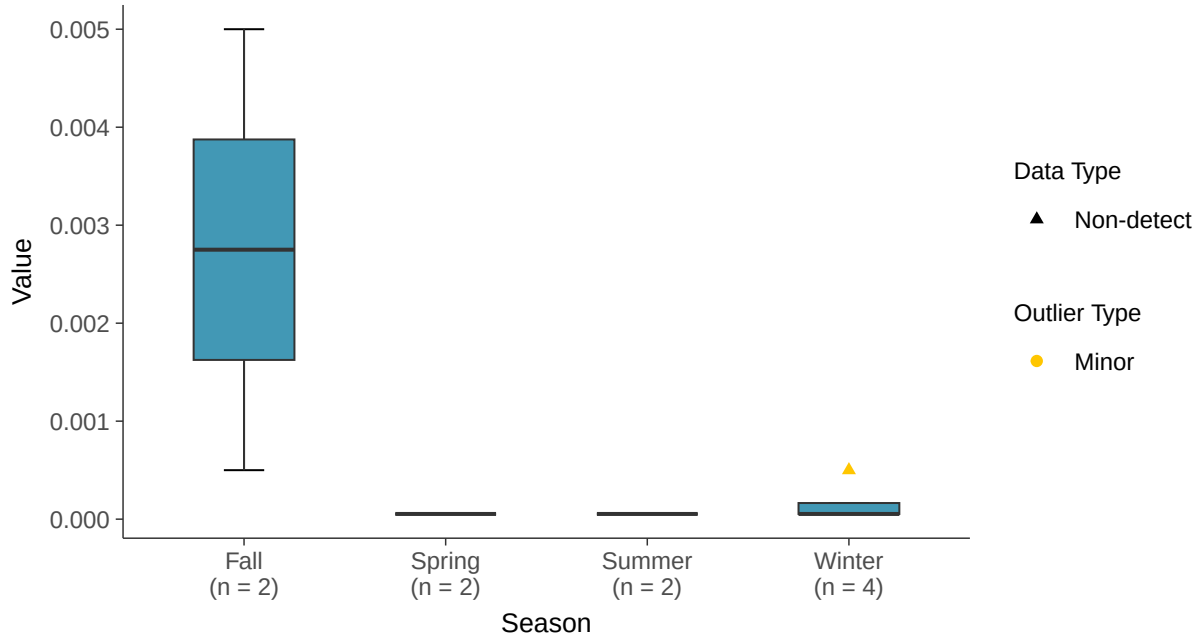
Boxplot

Silver, MW-18D (mg/l)



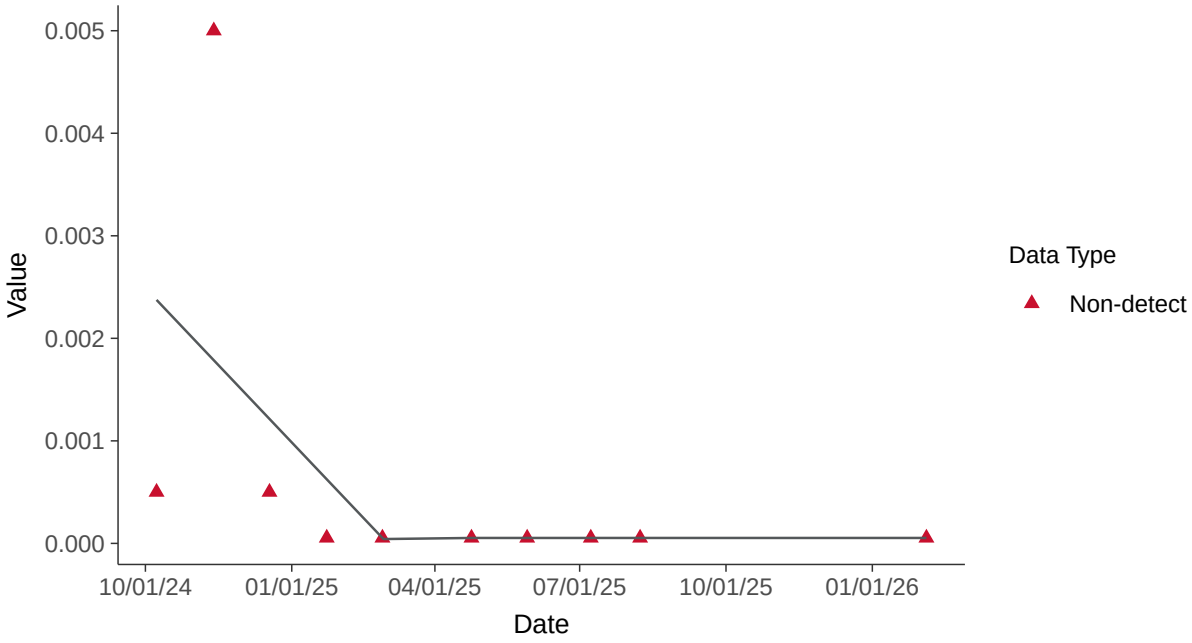
Boxplot by Season

Silver, MW-18D (mg/l)



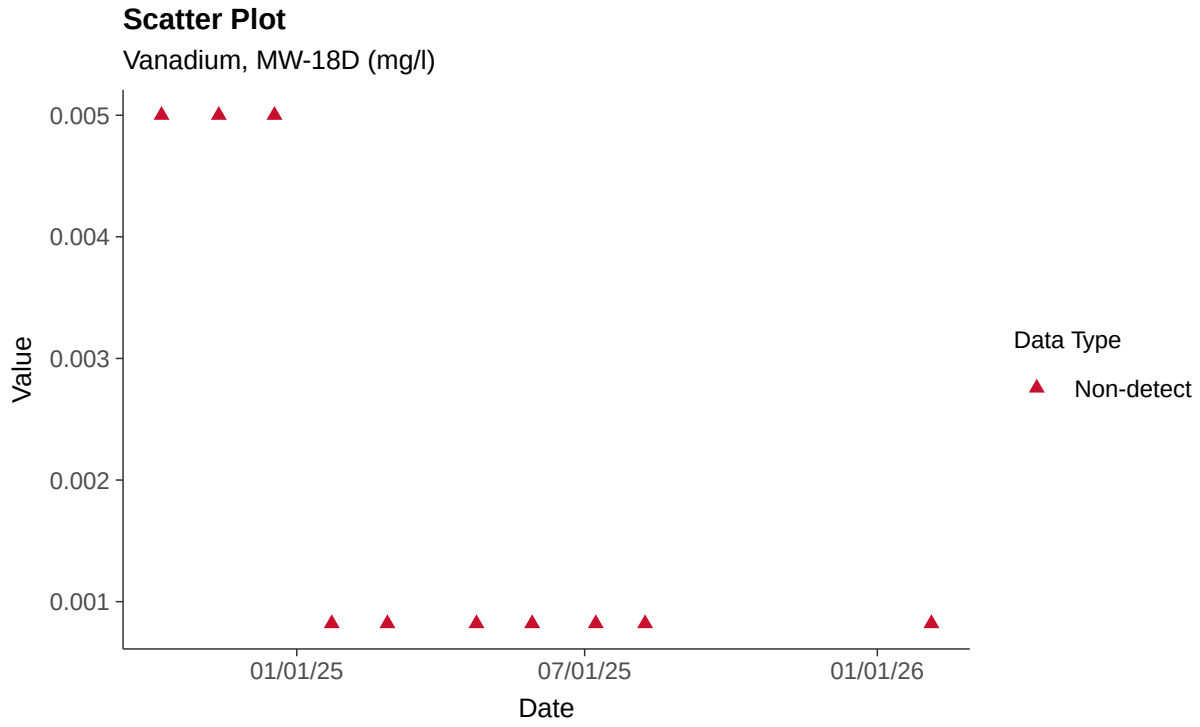
Trend Regression: Piecewise Linear-Linear

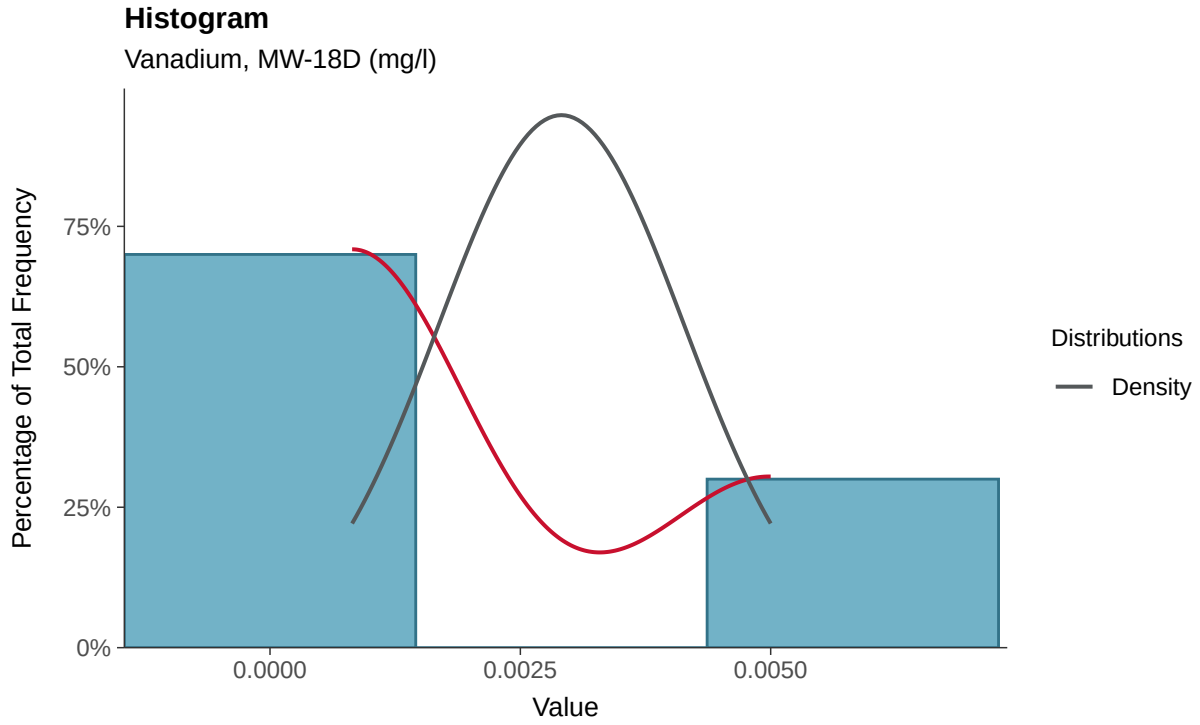
Silver, MW-18D (mg/l)



Part 115: Vanadium, MW-18D

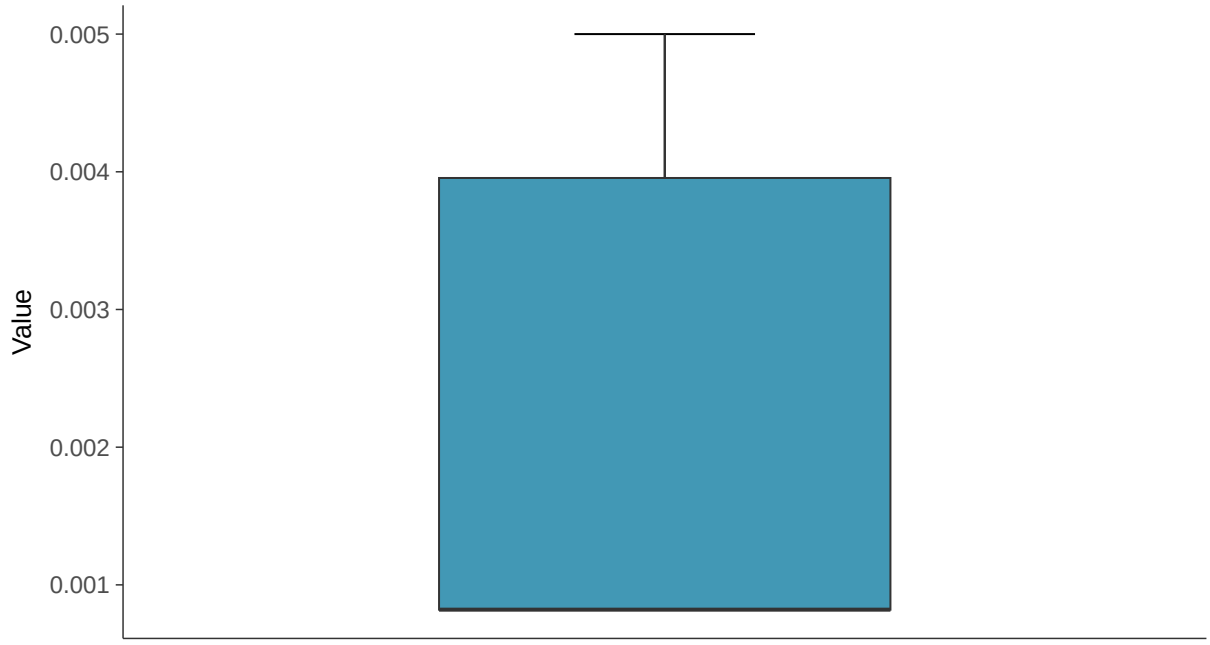
ID: 17_5_128





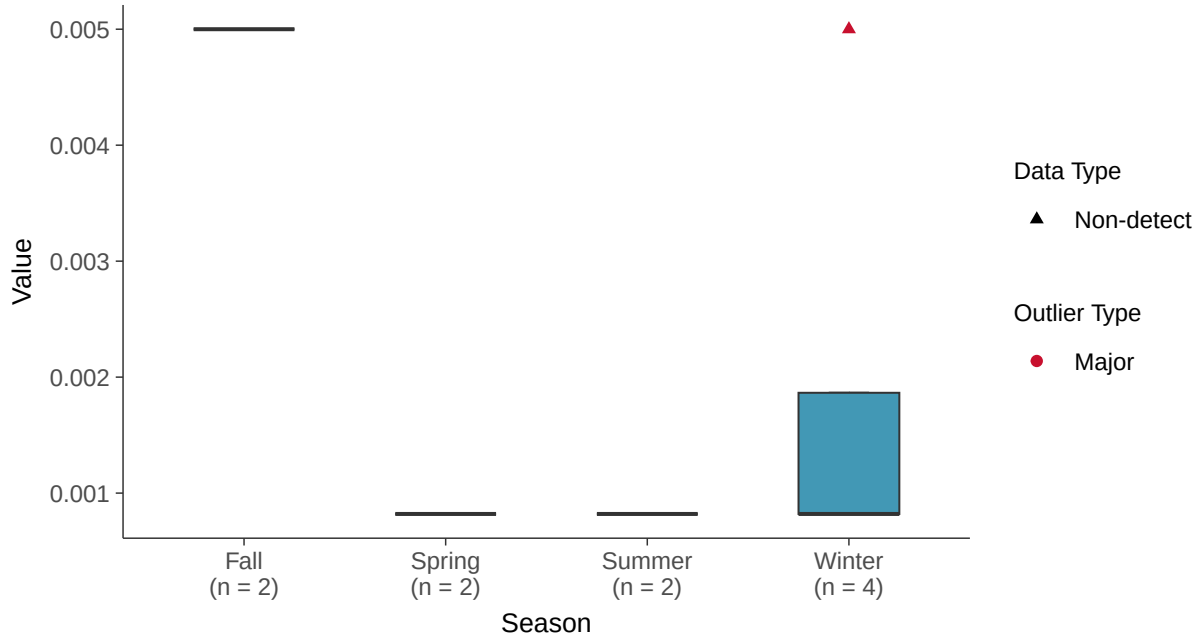
Boxplot

Vanadium, MW-18D (mg/l)



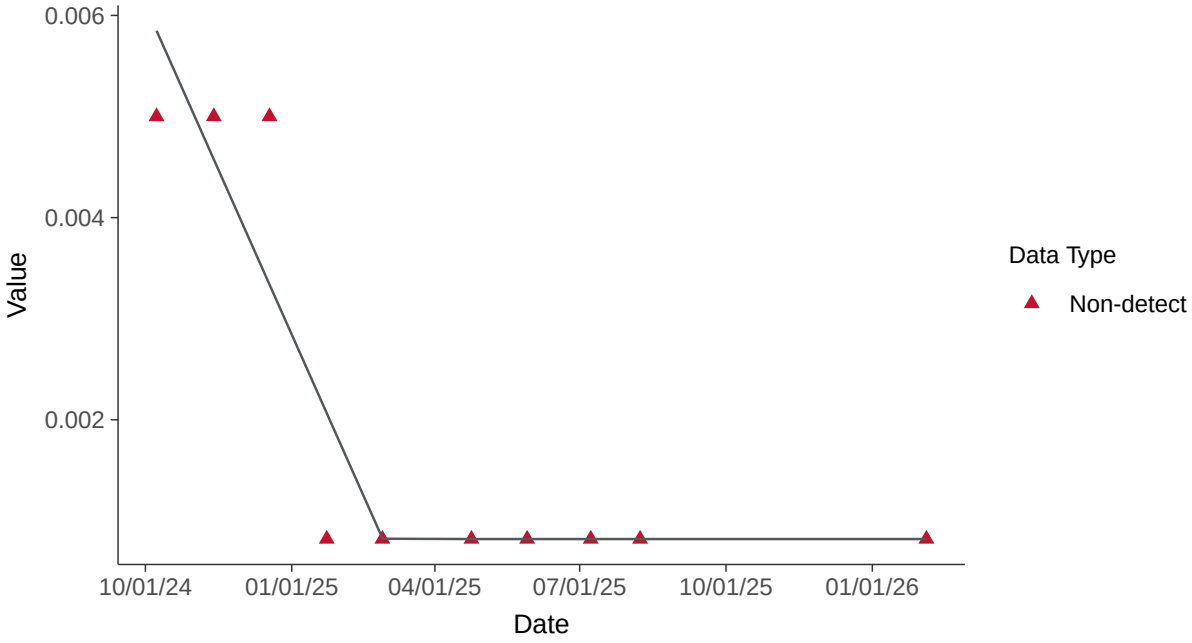
Boxplot by Season

Vanadium, MW-18D (mg/l)



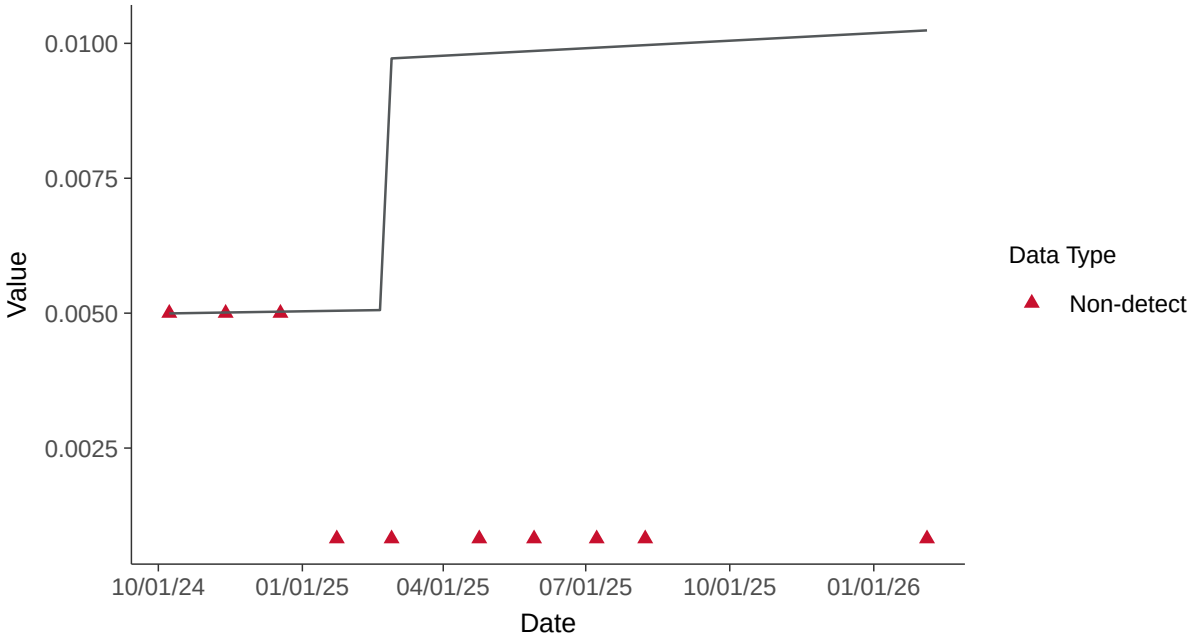
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-18D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Vanadium, MW-18D (mg/l)

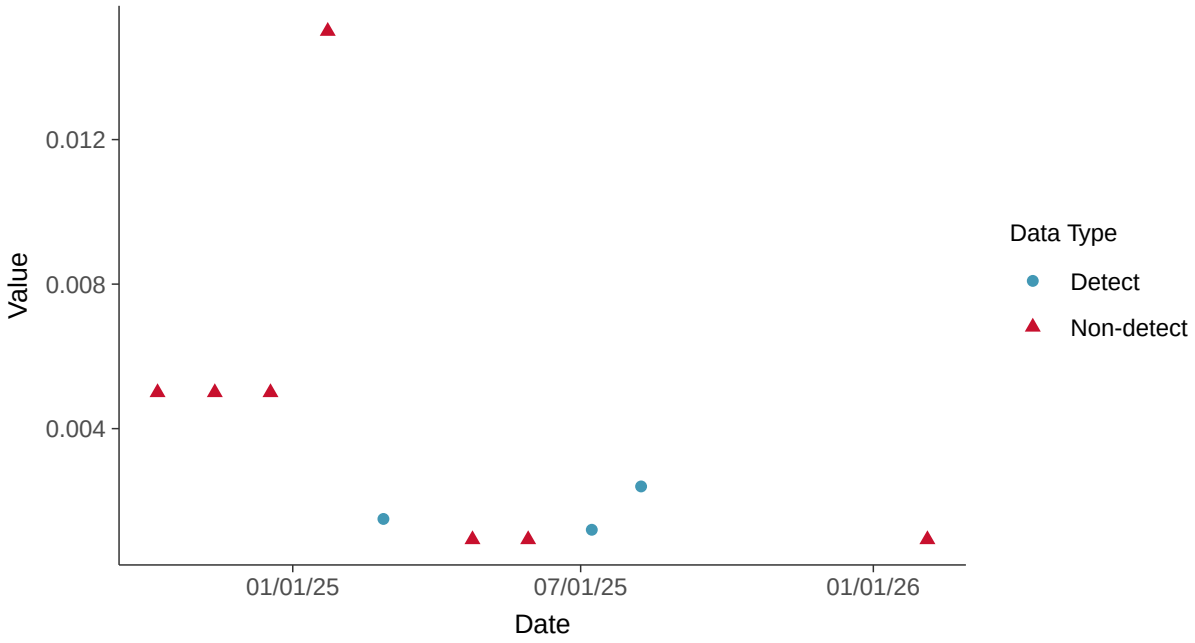


Part 115: Zinc, MW-18D

ID: 17_5_129

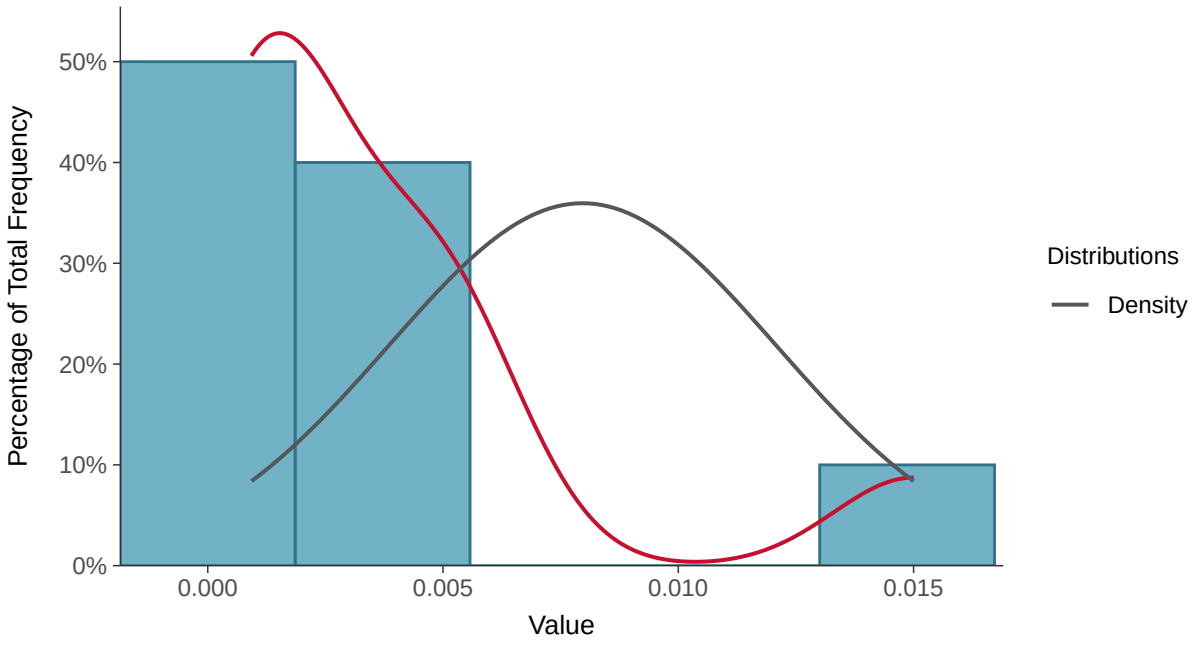
Scatter Plot

Zinc, MW-18D (mg/l)



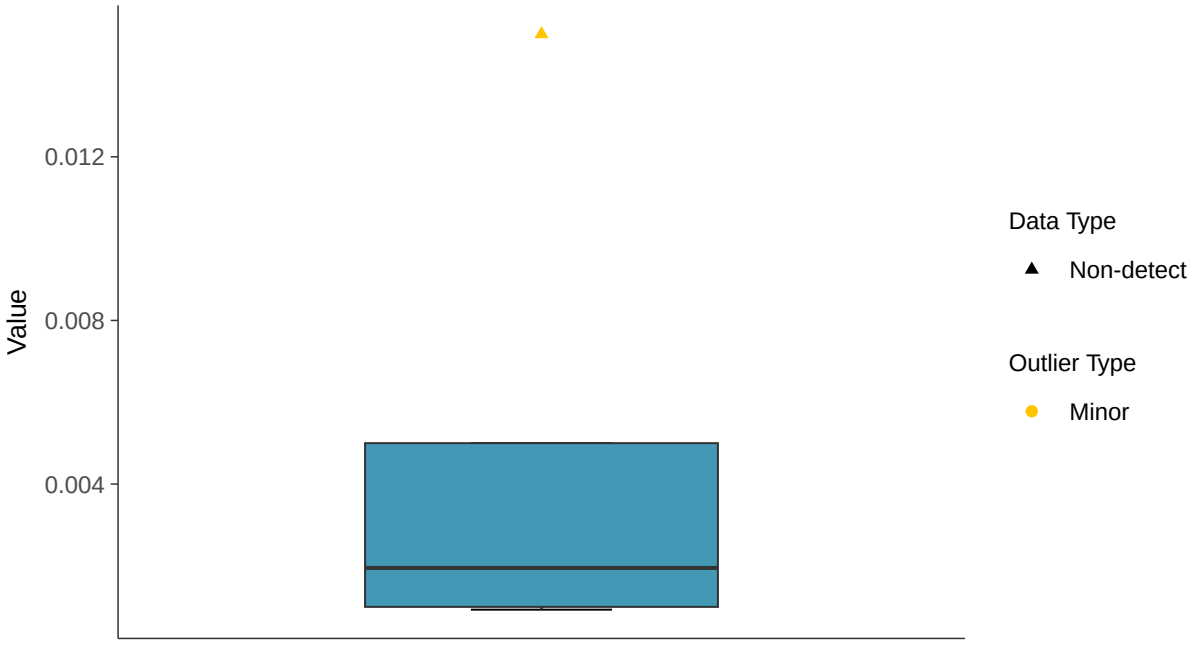
Histogram

Zinc, MW-18D (mg/l)



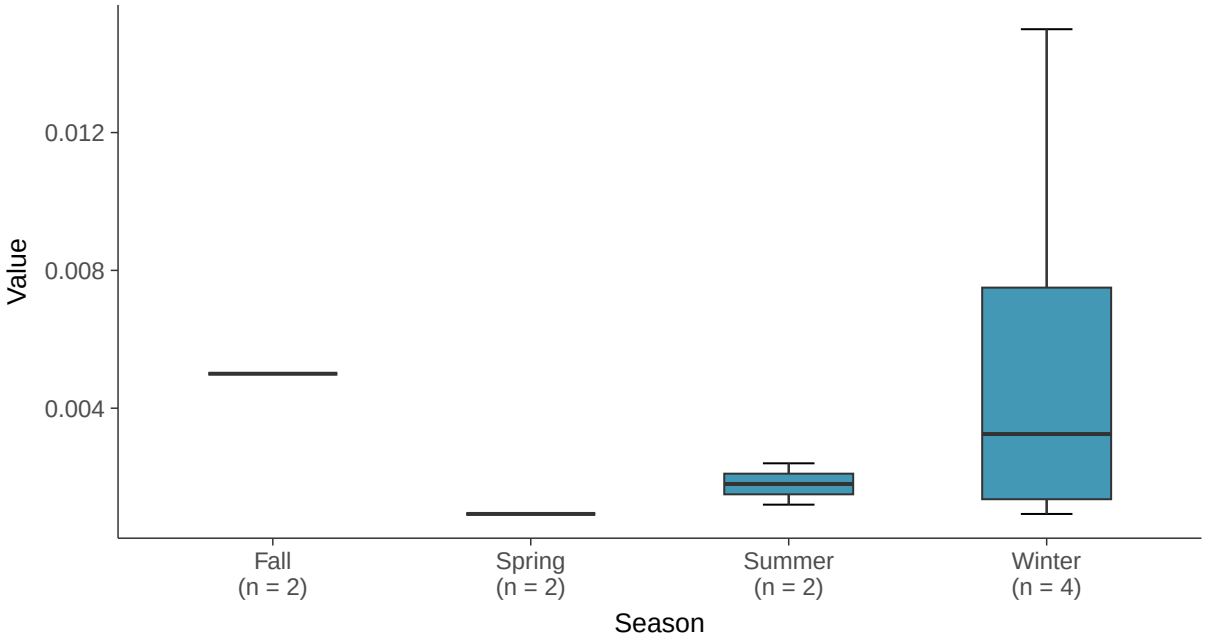
Boxplot

Zinc, MW-18D (mg/l)



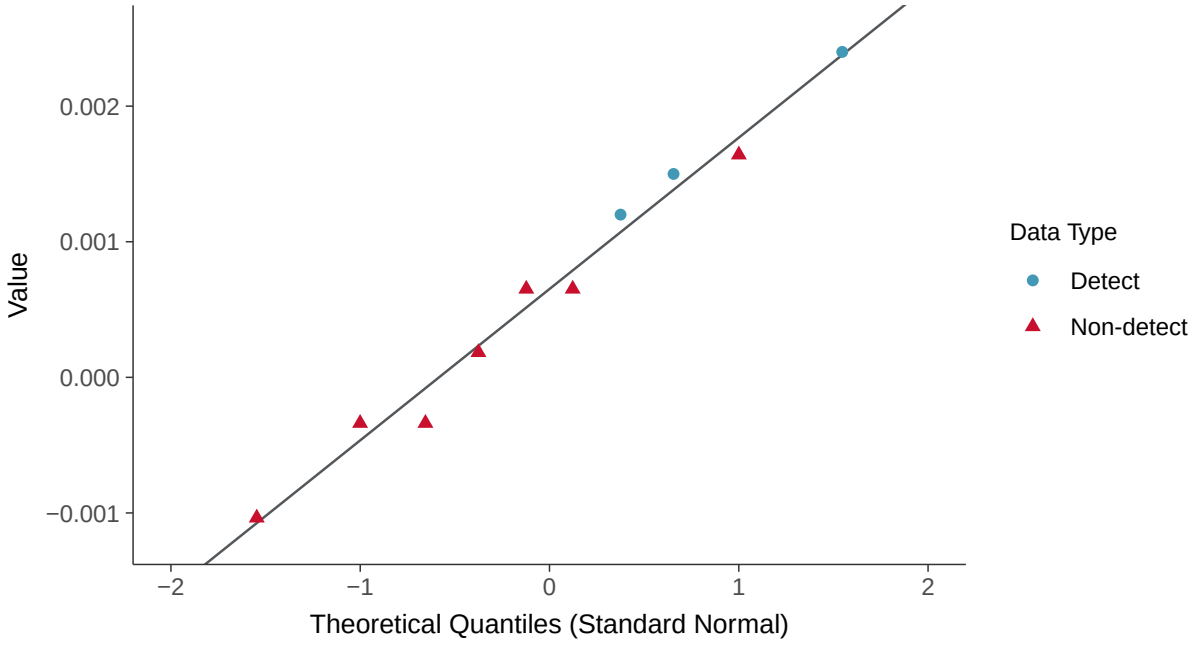
Boxplot by Season

Zinc, MW-18D (mg/l)



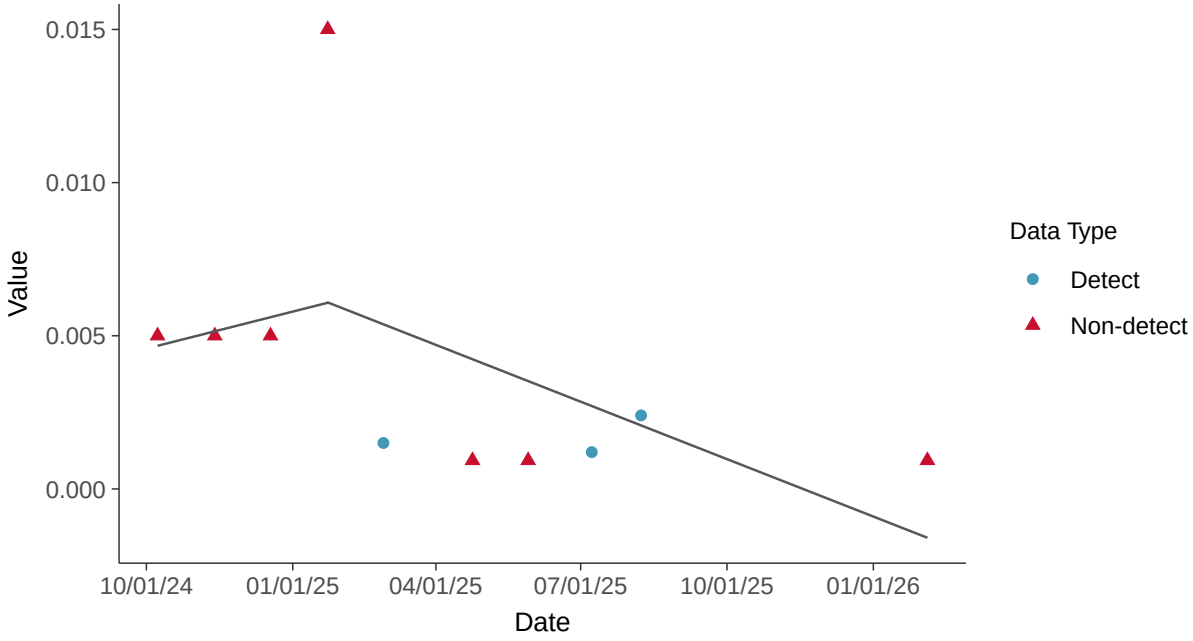
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-18D (mg/l)



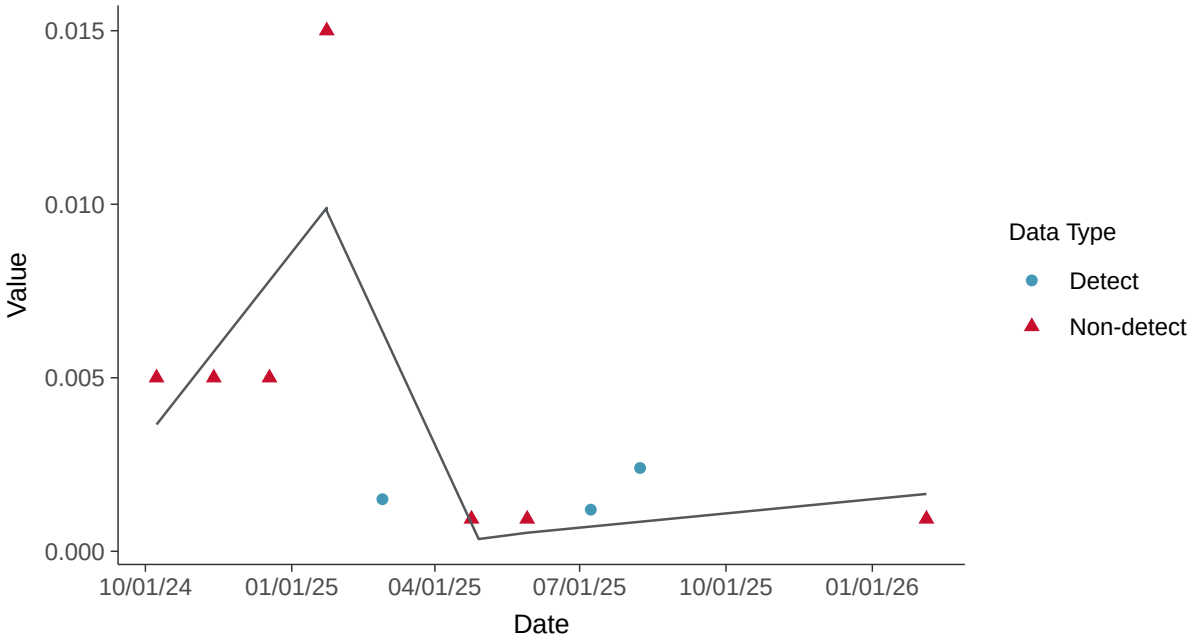
Trend Regression: Piecewise Linear-Linear

Zinc, MW-18D (mg/l)



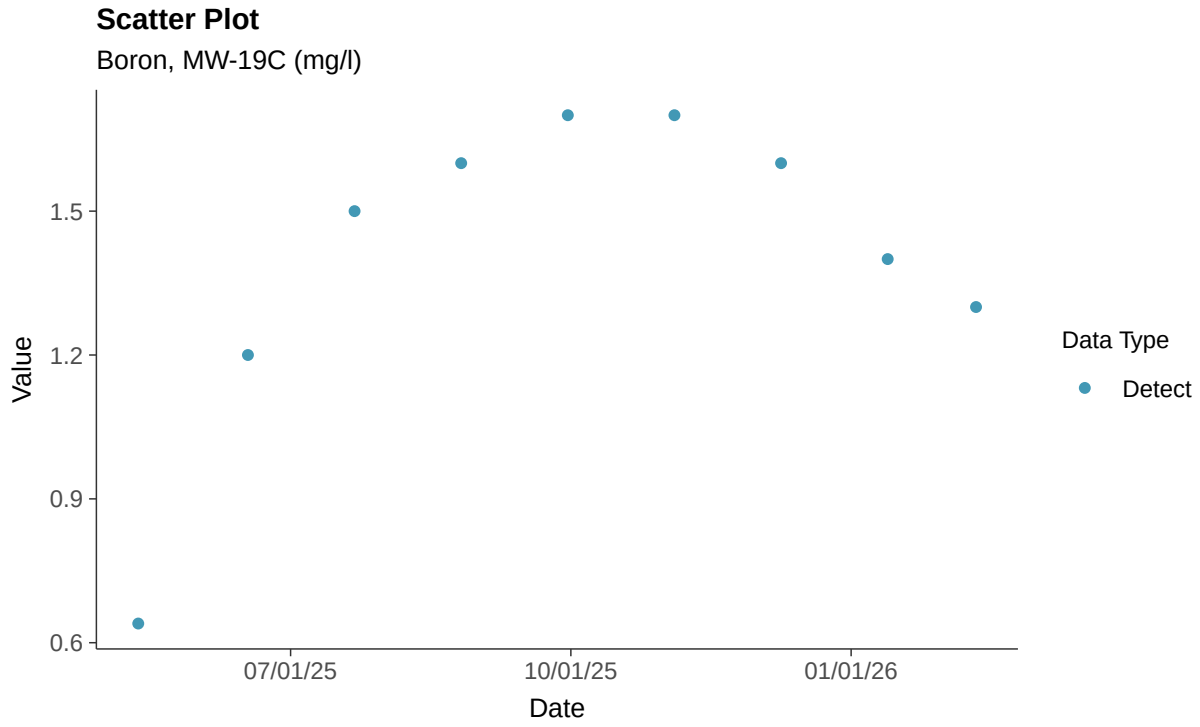
Trend Regression: Piecewise Linear-Linear-Linear

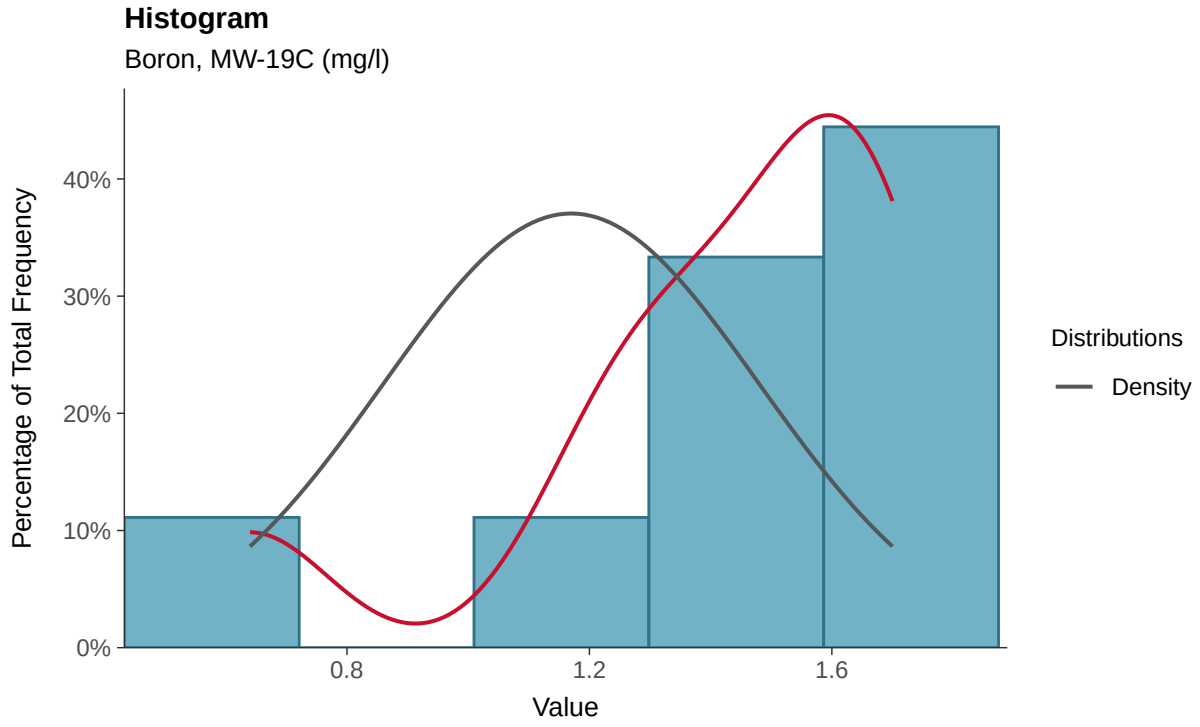
Zinc, MW-18D (mg/l)



Appendix III: Boron, MW-19C

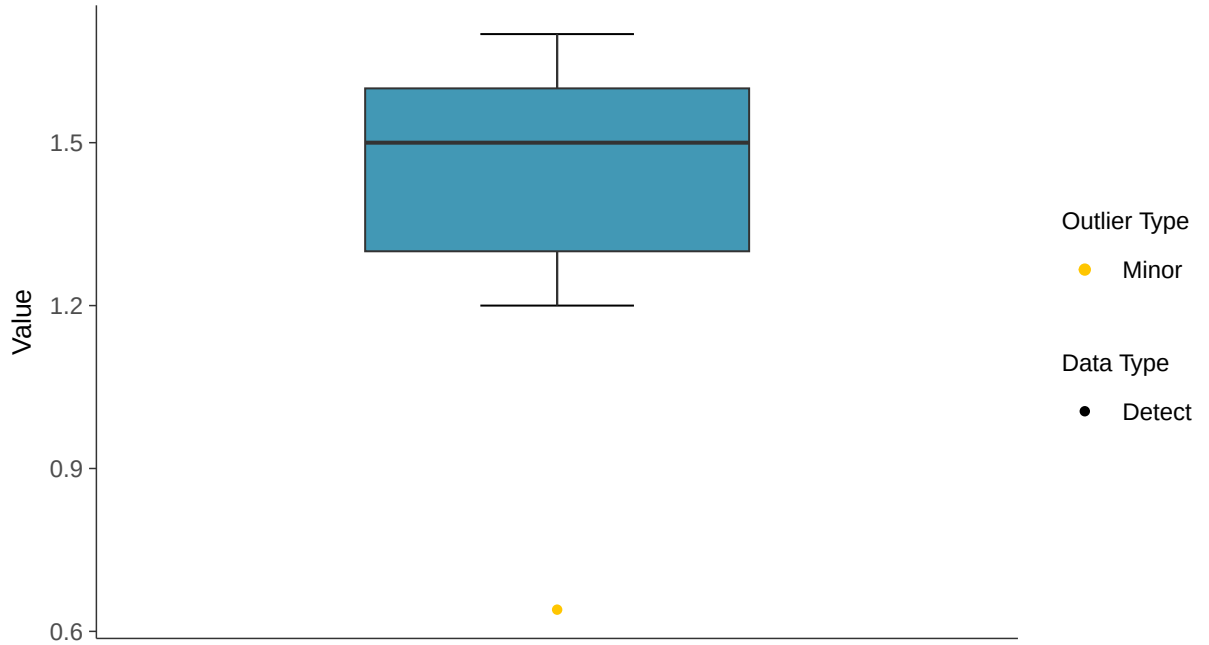
ID: 18_2_105





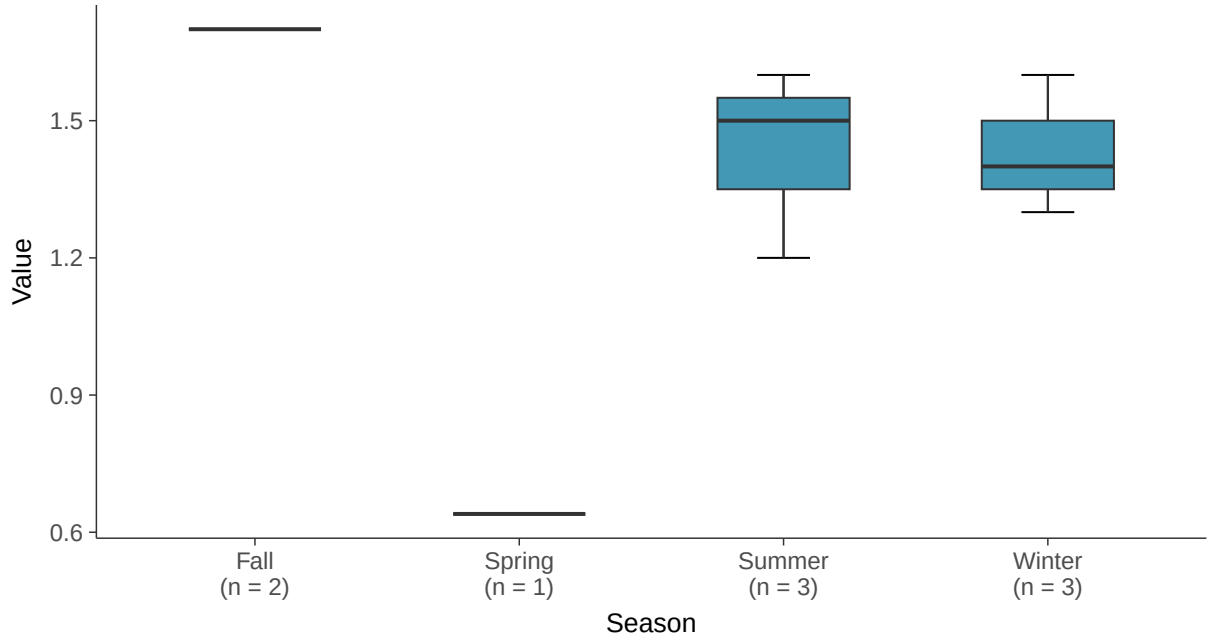
Boxplot

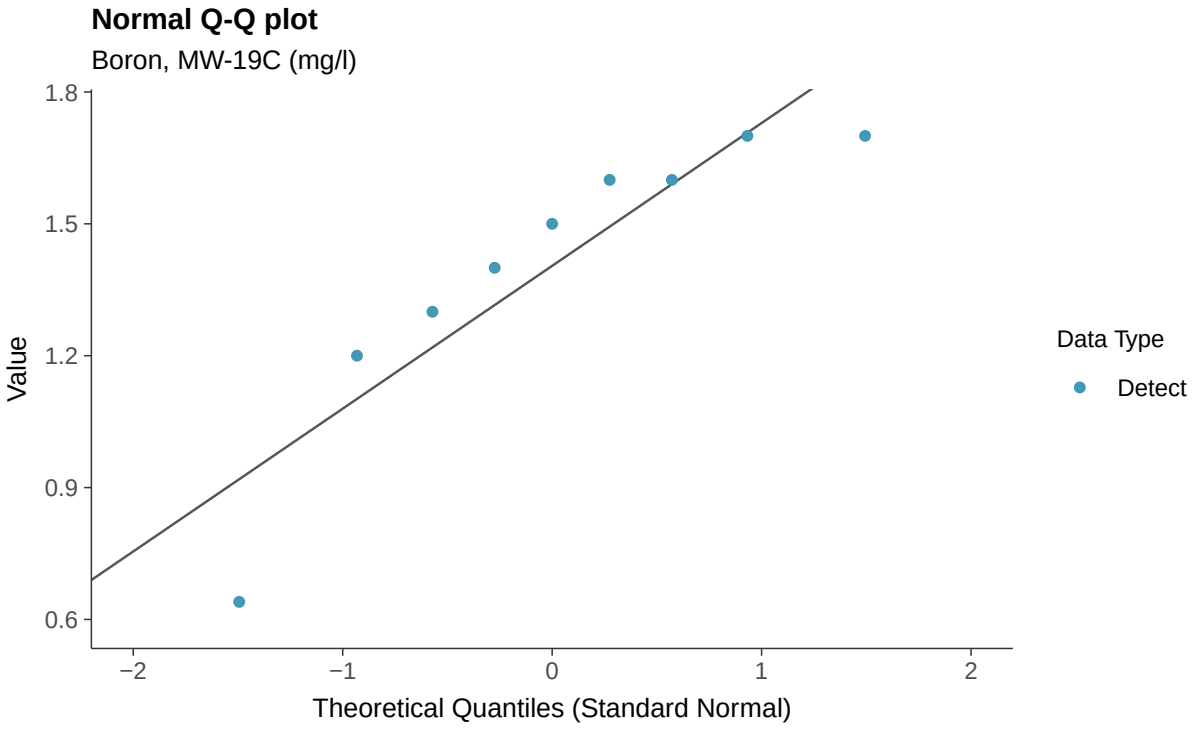
Boron, MW-19C (mg/l)

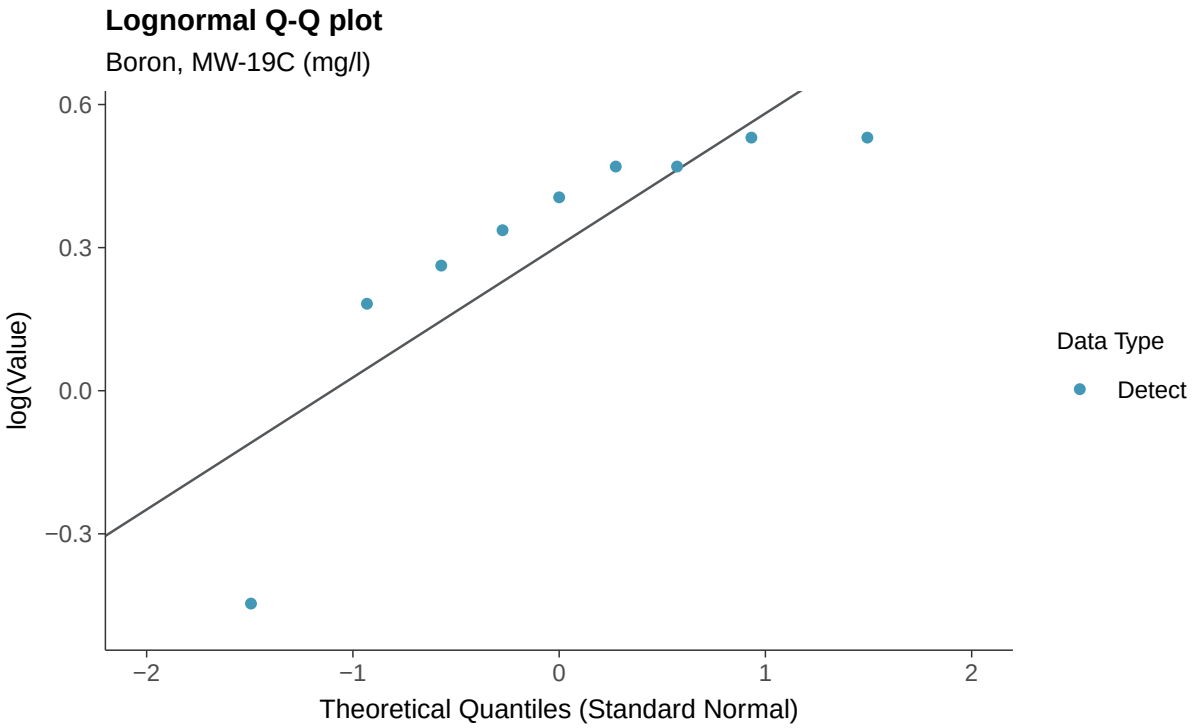


Boxplot by Season

Boron, MW-19C (mg/l)

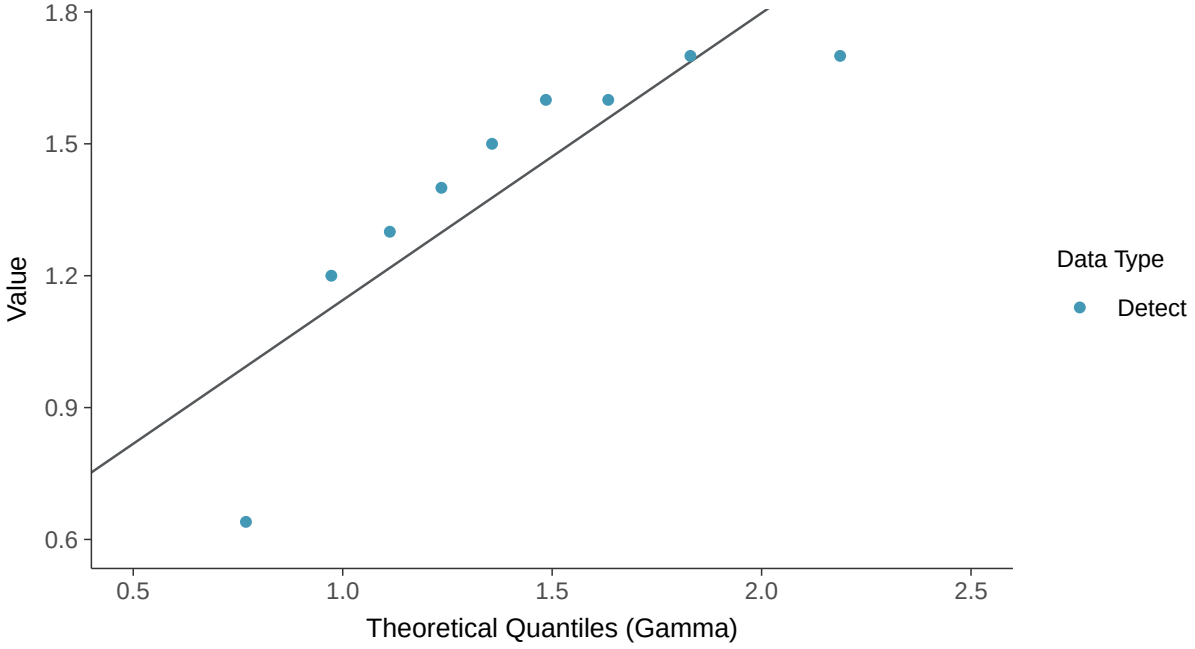



Normal Q-Q plot
Boron, MW-19C (mg/l)
Value
1.8
1.5
1.2
0.9
0.6
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Boron, MW-19C (mg/l)
log(Value)
0.6
0.3
0.0
−0.3
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

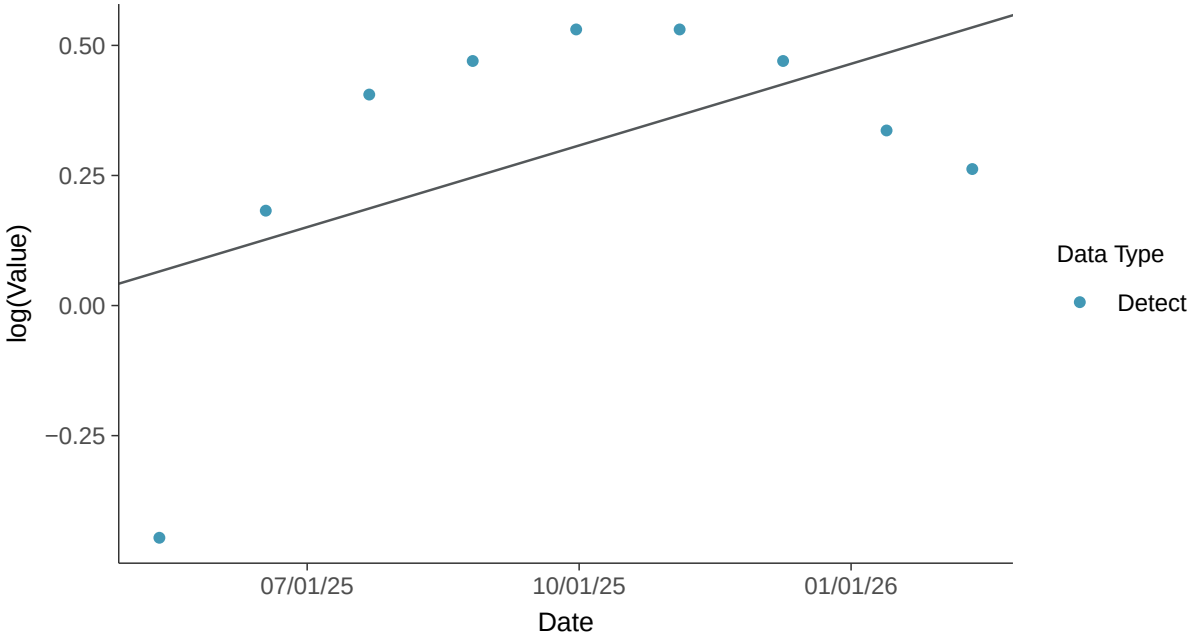
Gamma Q-Q plot

Boron, MW-19C (mg/l)



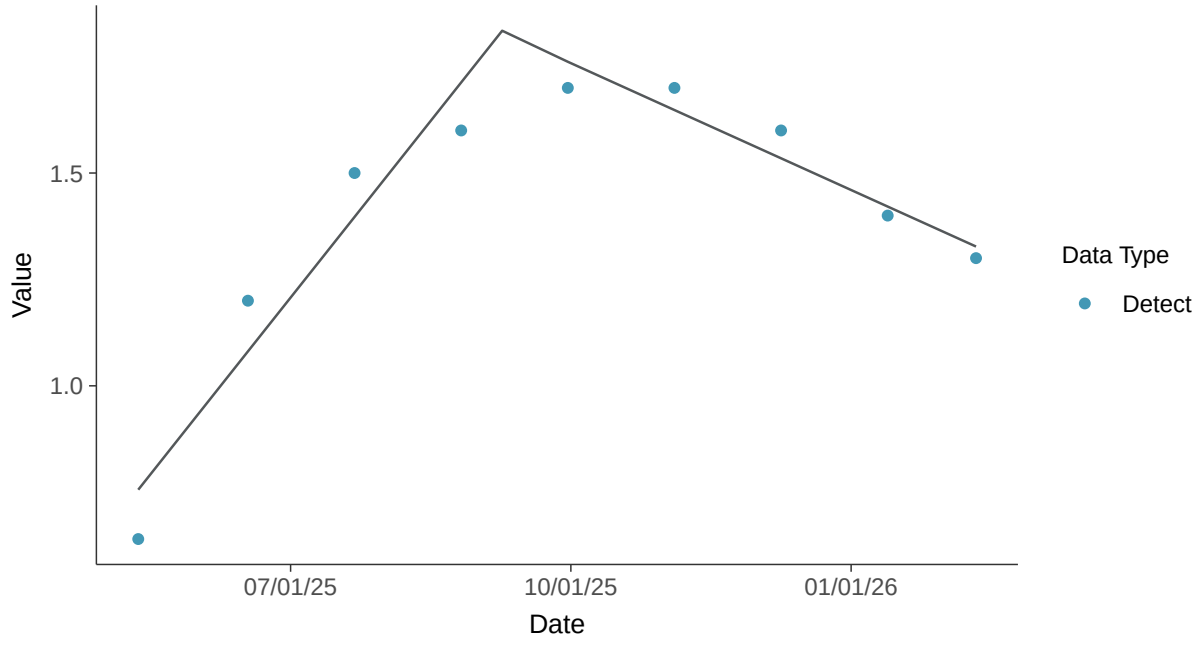
Trend Regression: Lognormal MLE

Boron, MW-19C (mg/l)



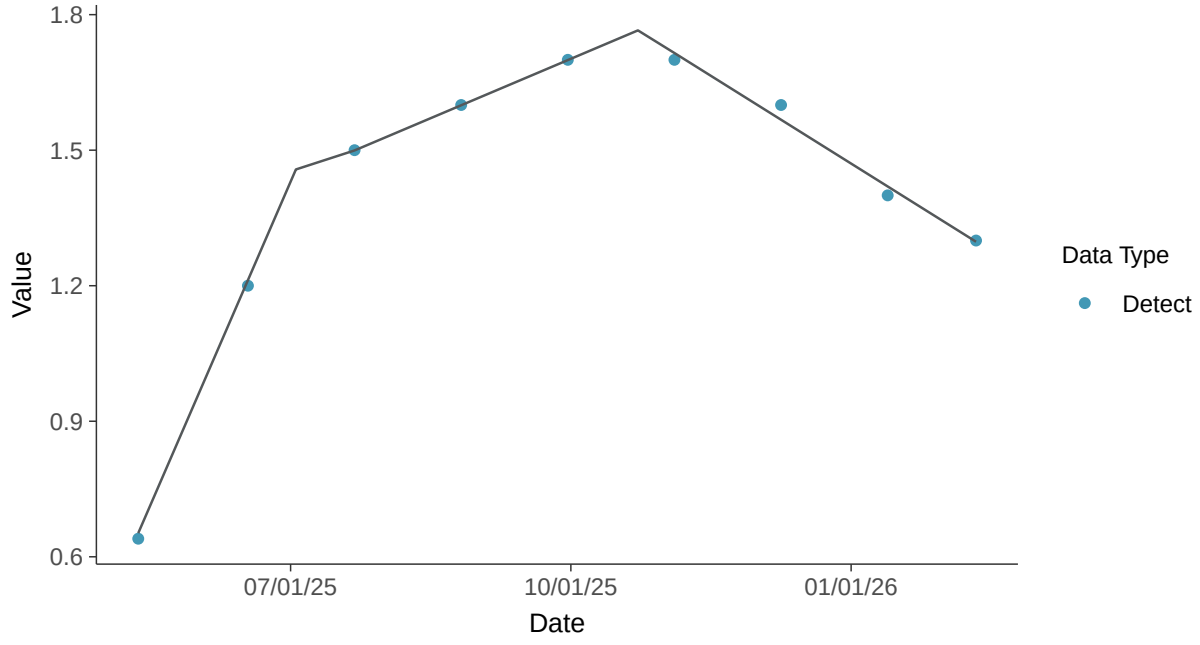
Trend Regression: Piecewise Linear-Linear

Boron, MW-19C (mg/l)



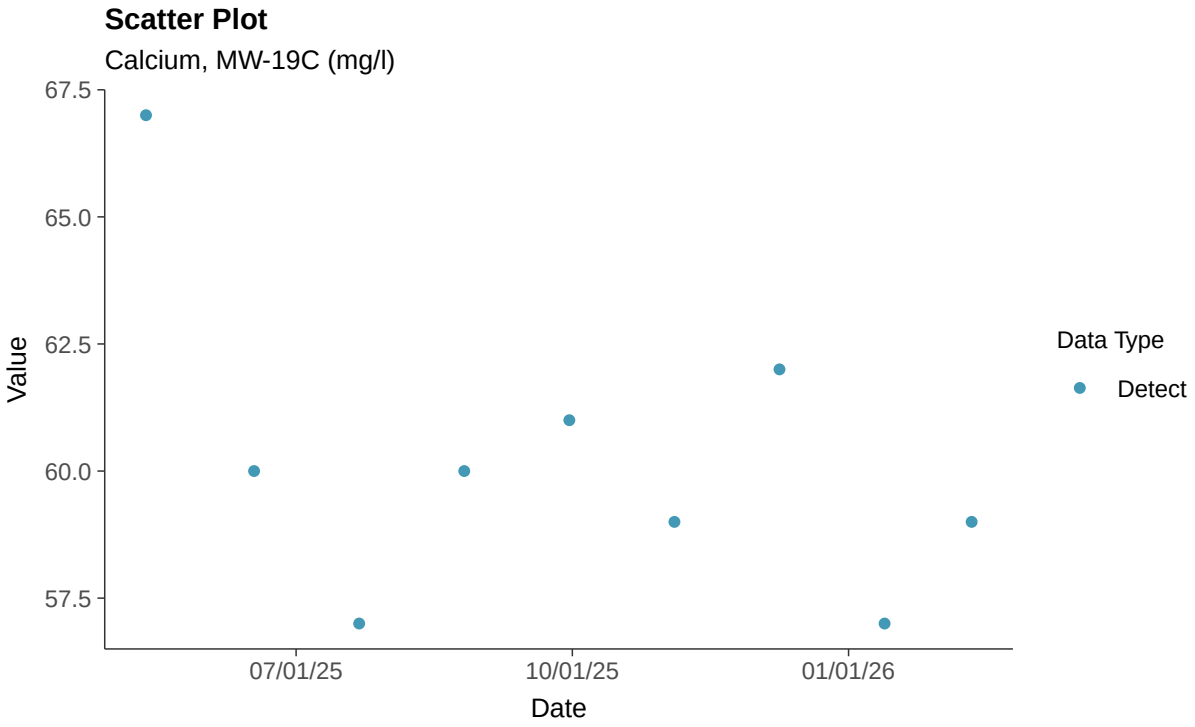
Trend Regression: Piecewise Linear-Linear-Linear

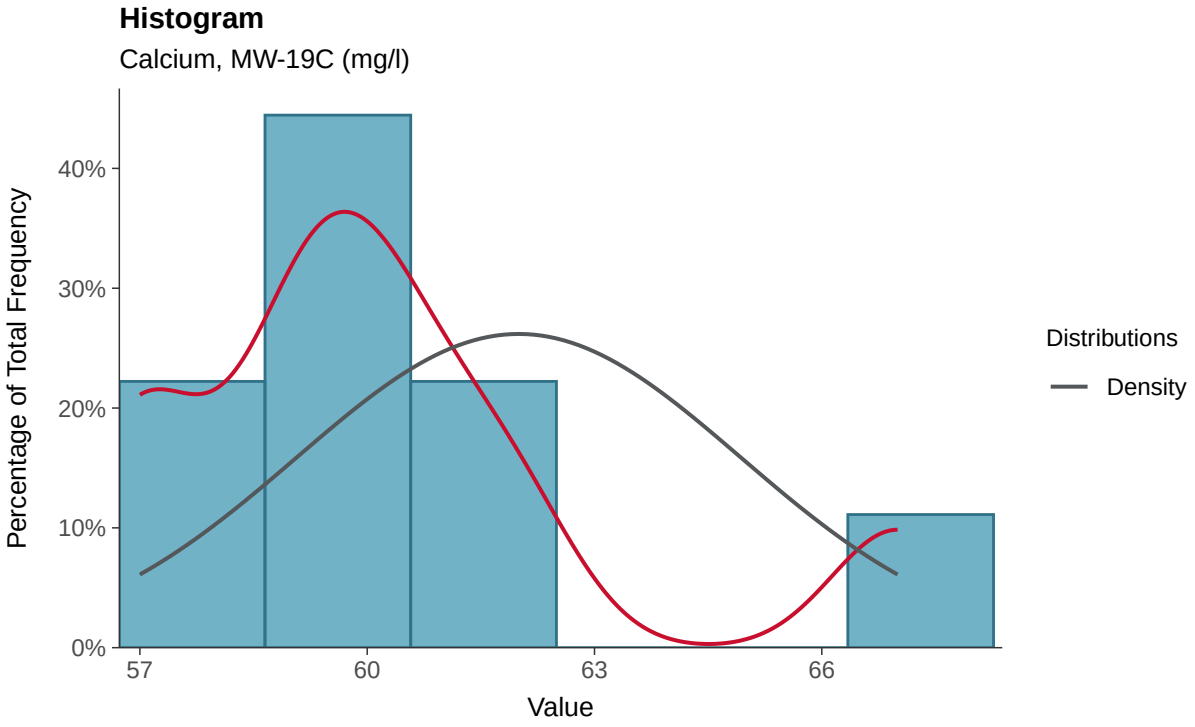
Boron, MW-19C (mg/l)



Appendix III: Calcium, MW-19C

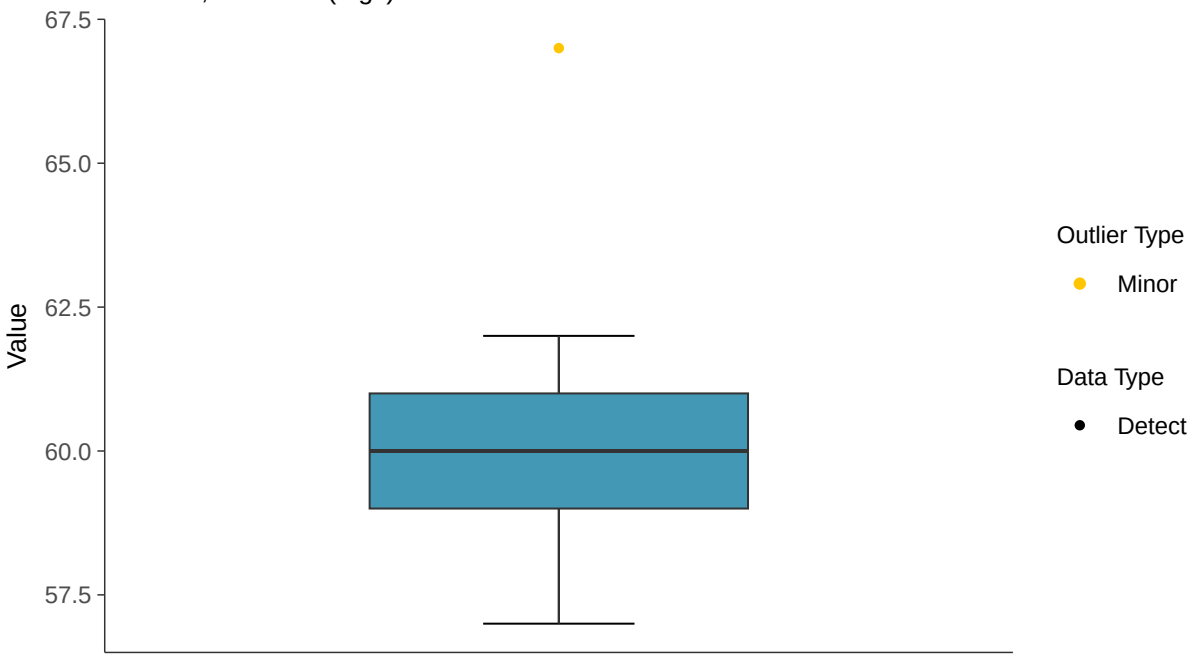
ID: 18_2_107





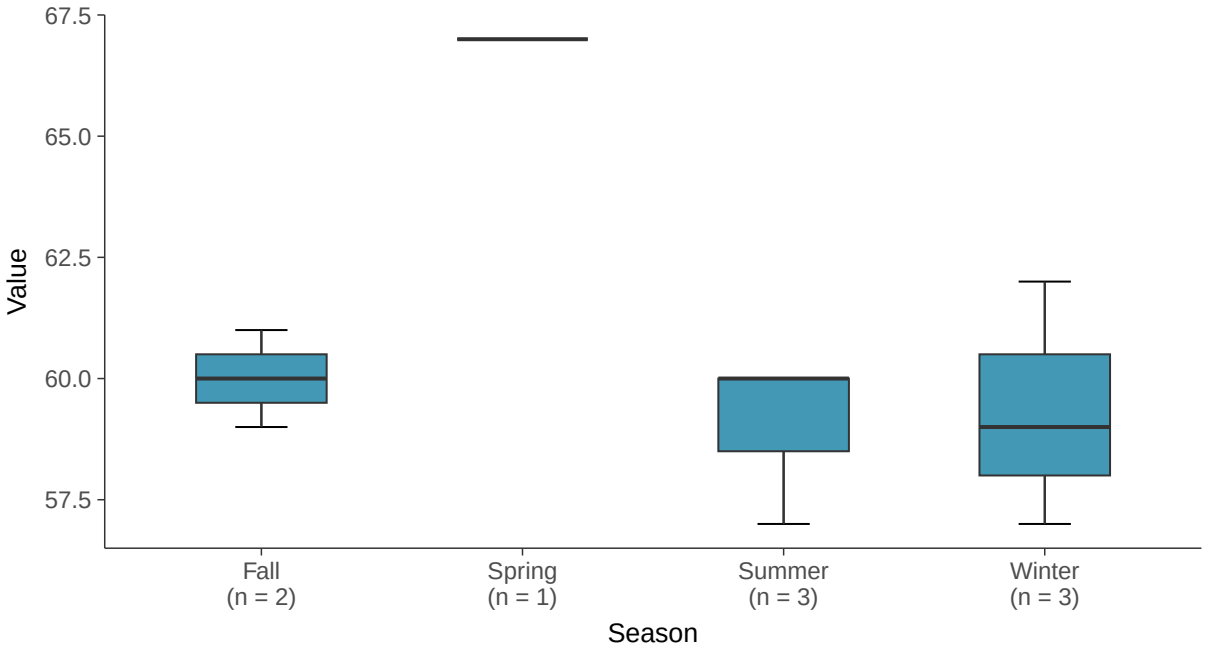
Boxplot

Calcium, MW-19C (mg/l)



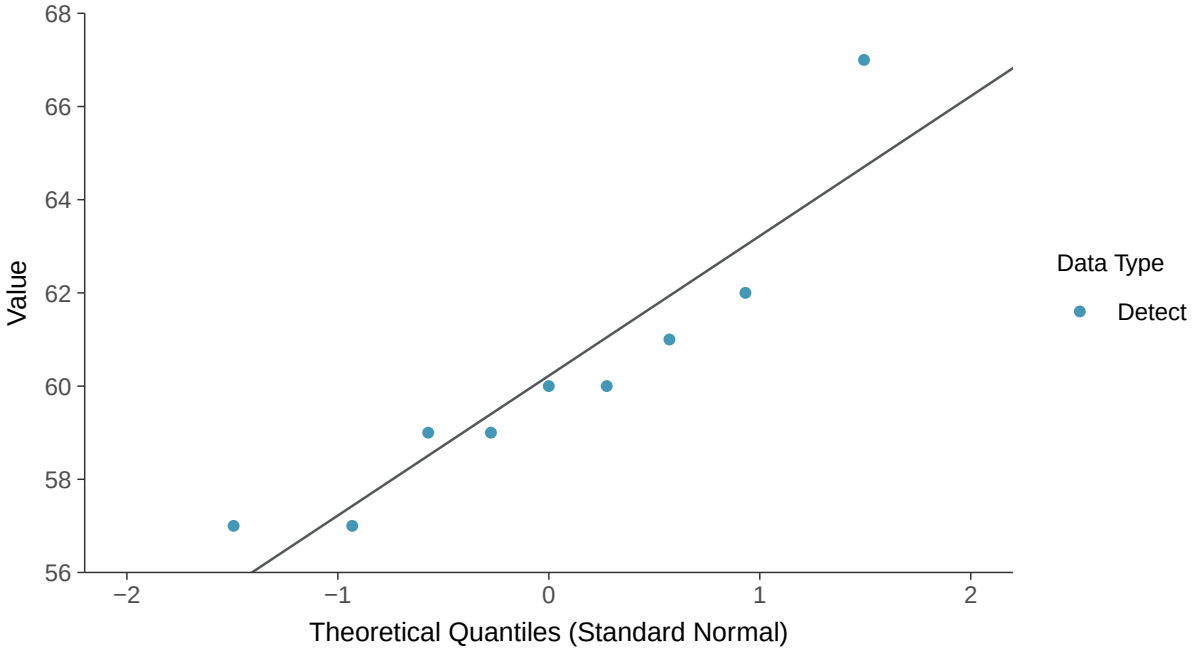
Boxplot by Season

Calcium, MW-19C (mg/l)



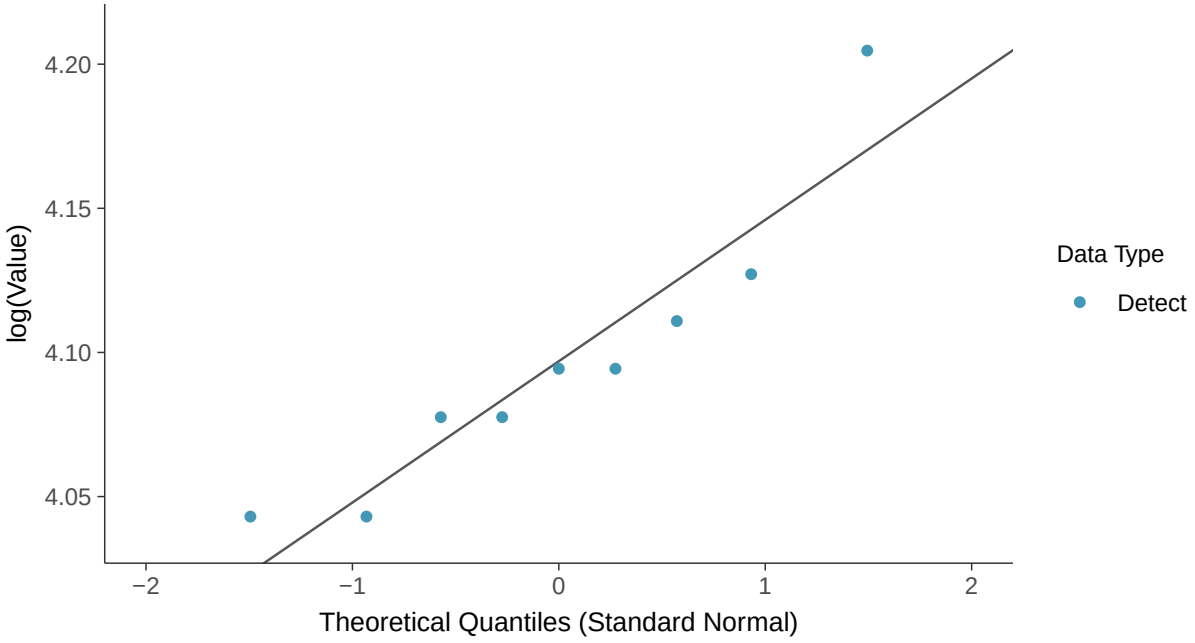
Normal Q-Q plot

Calcium, MW-19C (mg/l)



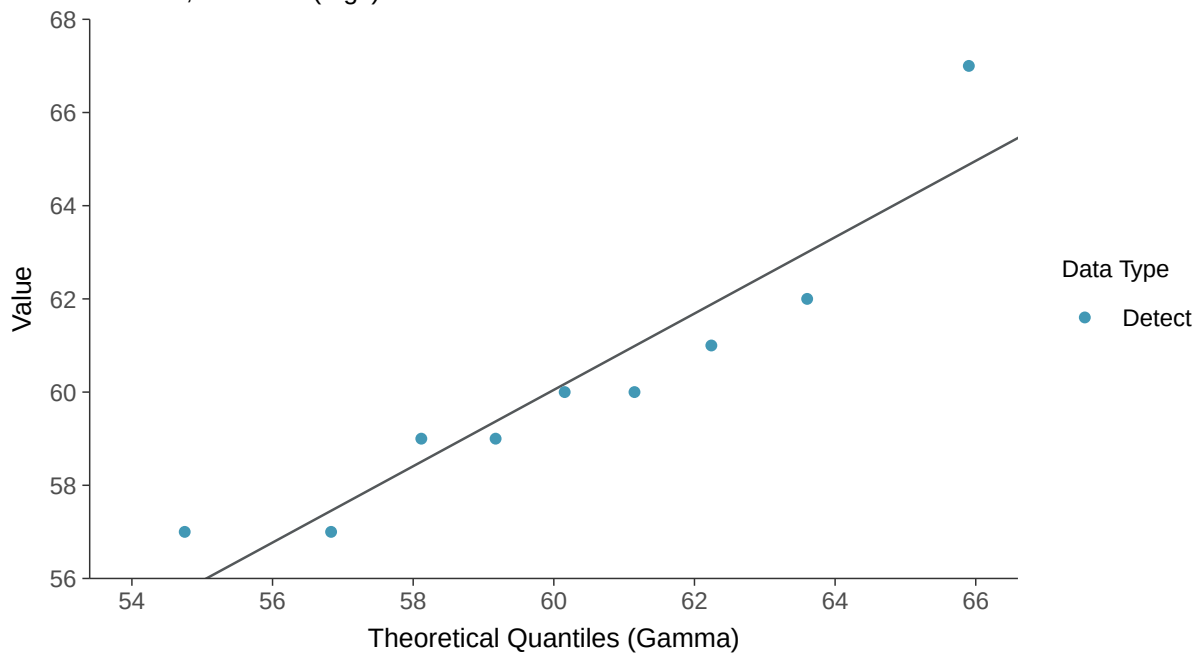
Lognormal Q-Q plot

Calcium, MW-19C (mg/l)



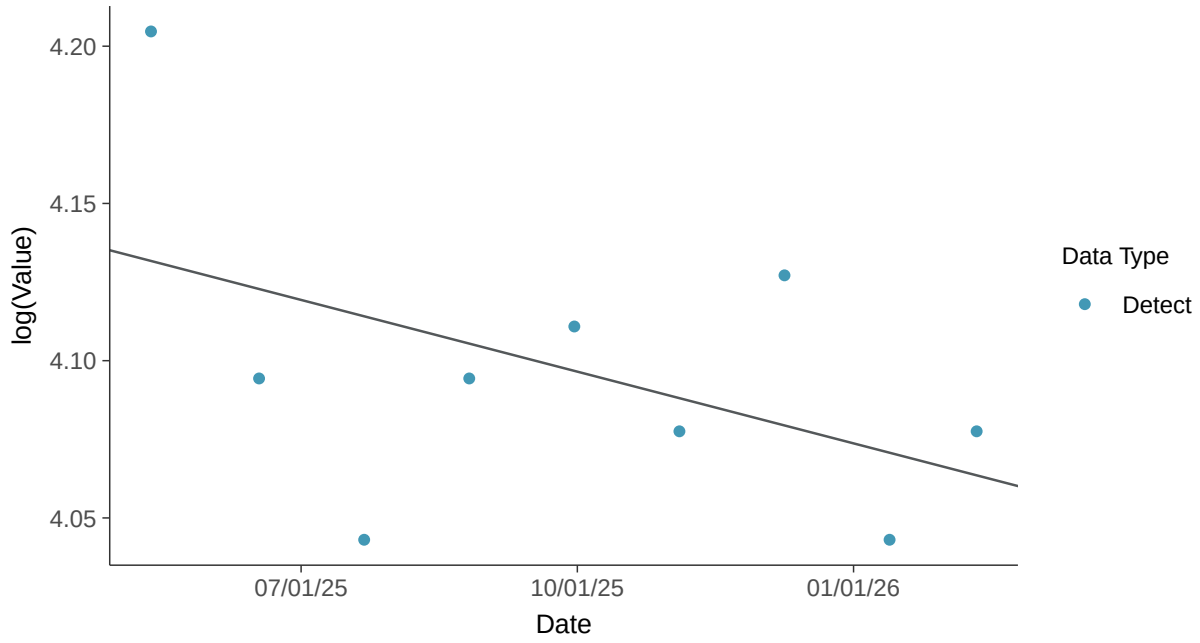
Gamma Q-Q plot

Calcium, MW-19C (mg/l)



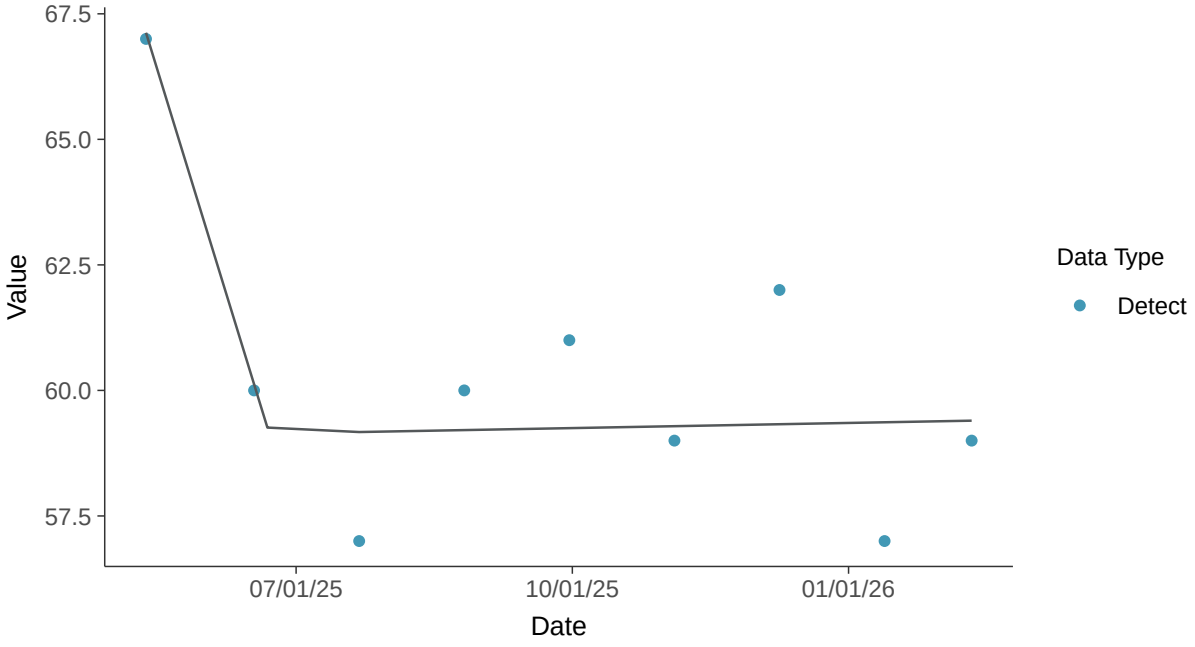
Trend Regression: Lognormal MLE

Calcium, MW-19C (mg/l)



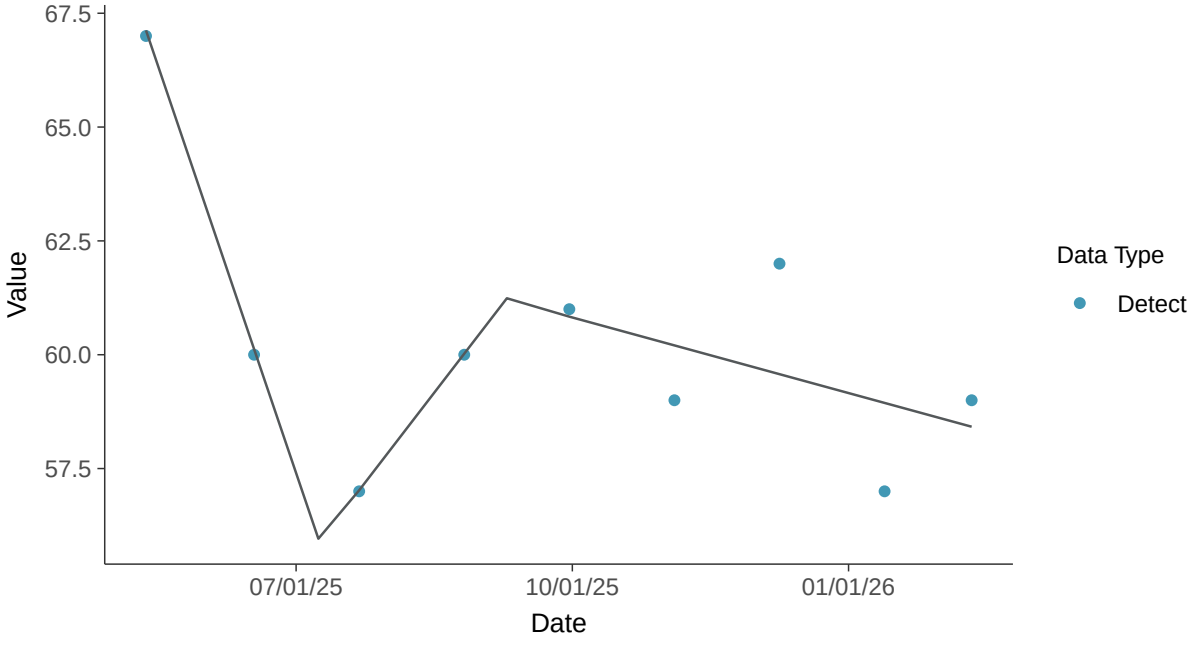
Trend Regression: Piecewise Linear-Linear

Calcium, MW-19C (mg/l)



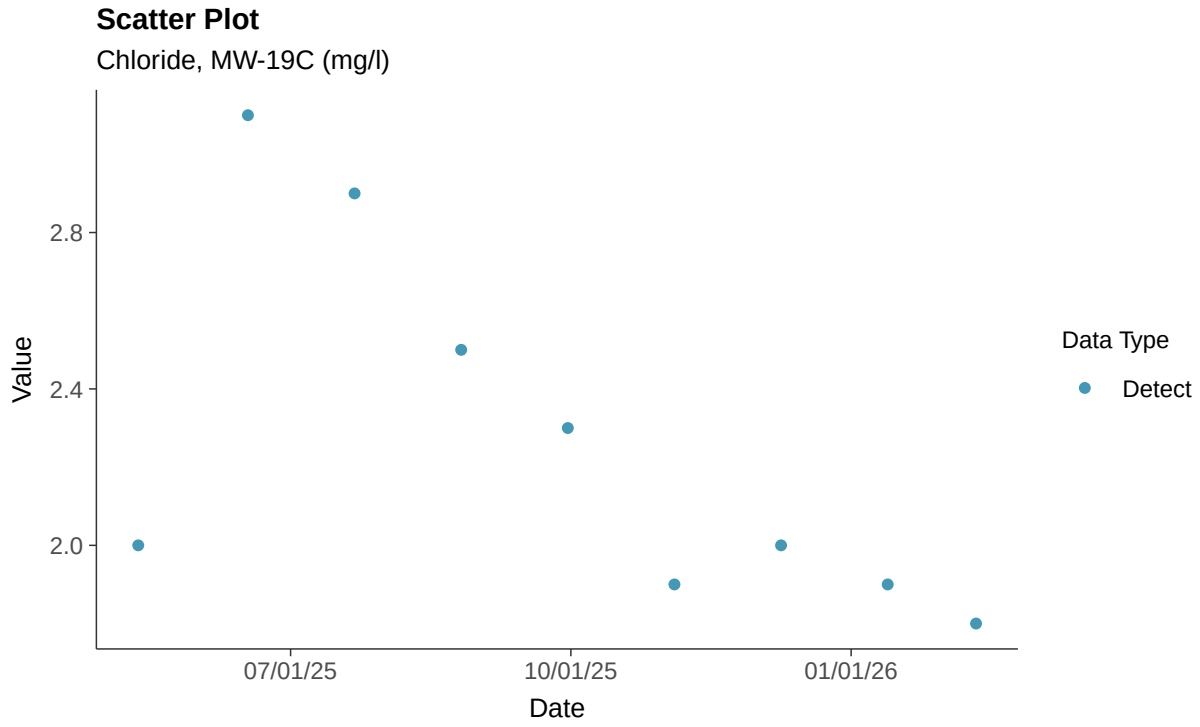
Trend Regression: Piecewise Linear-Linear-Linear

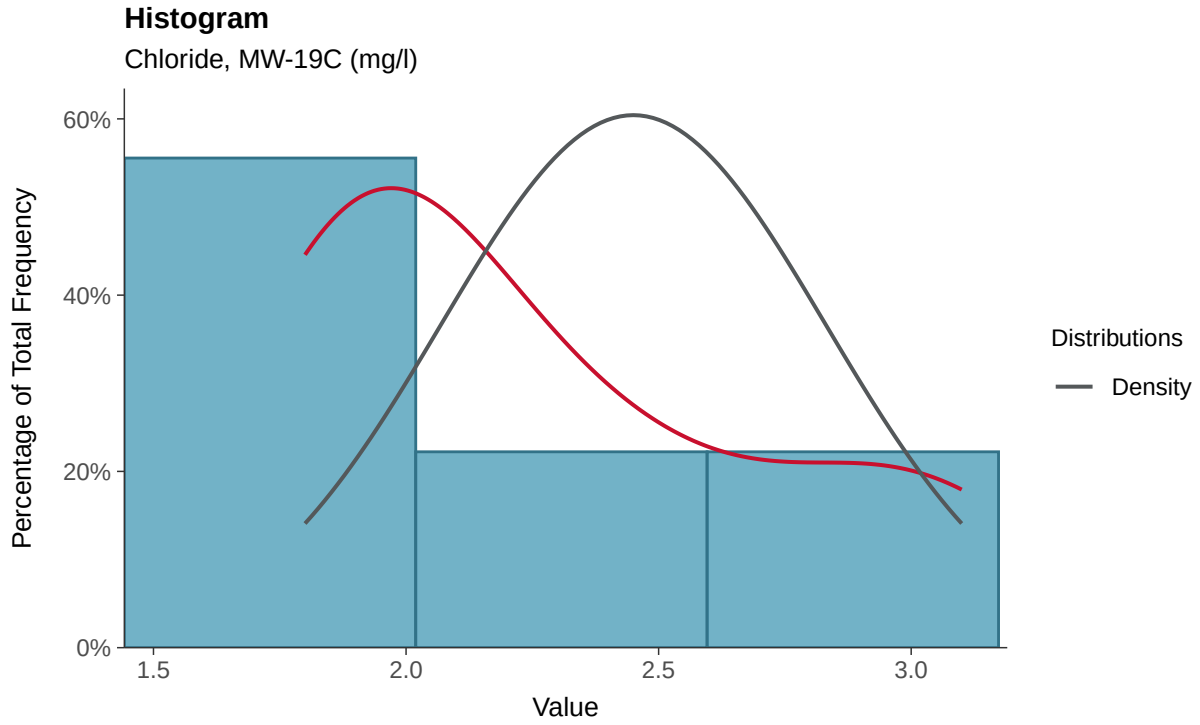
Calcium, MW-19C (mg/l)



Appendix III: Chloride, MW-19C

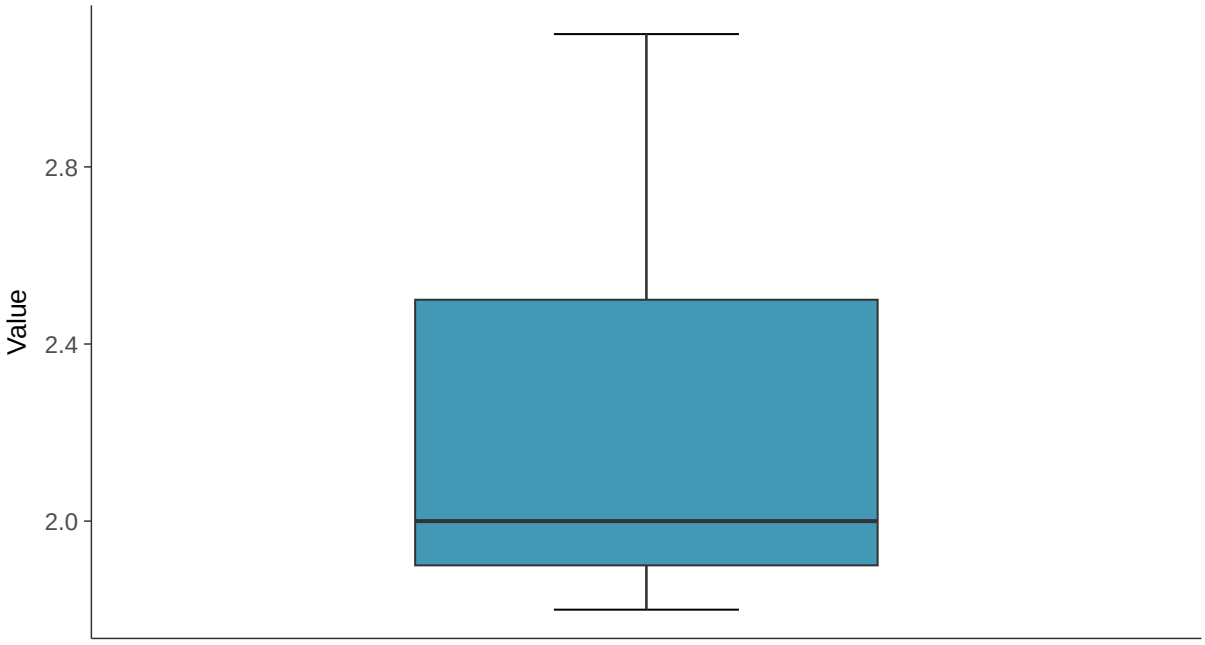
ID: 18_2_108





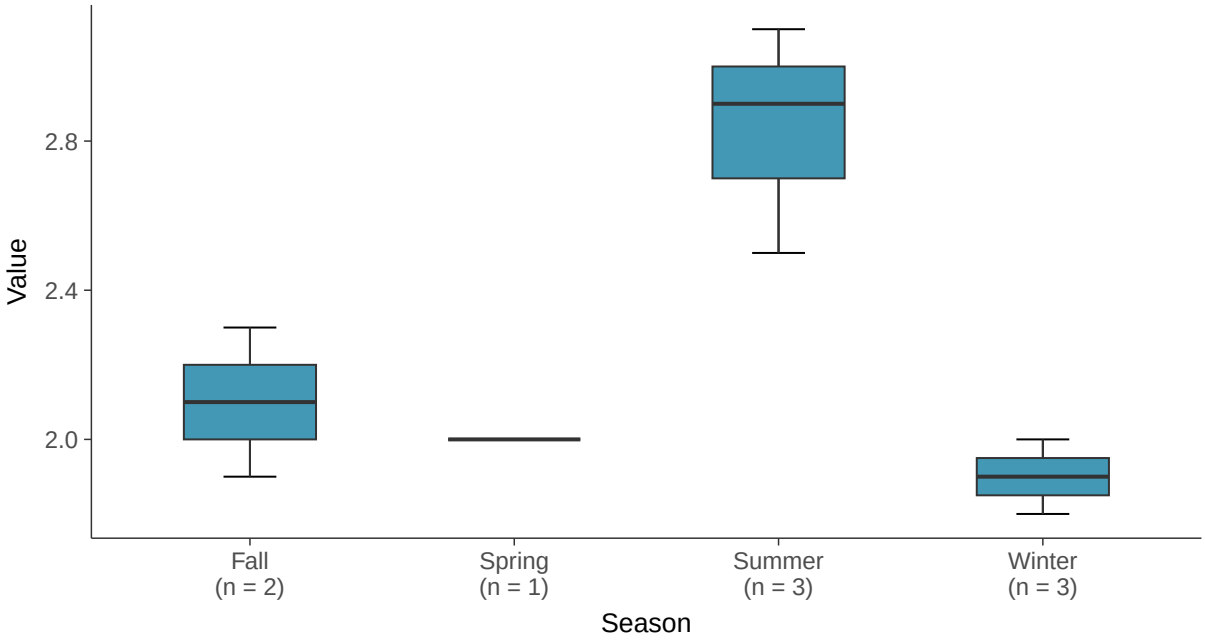
Boxplot

Chloride, MW-19C (mg/l)



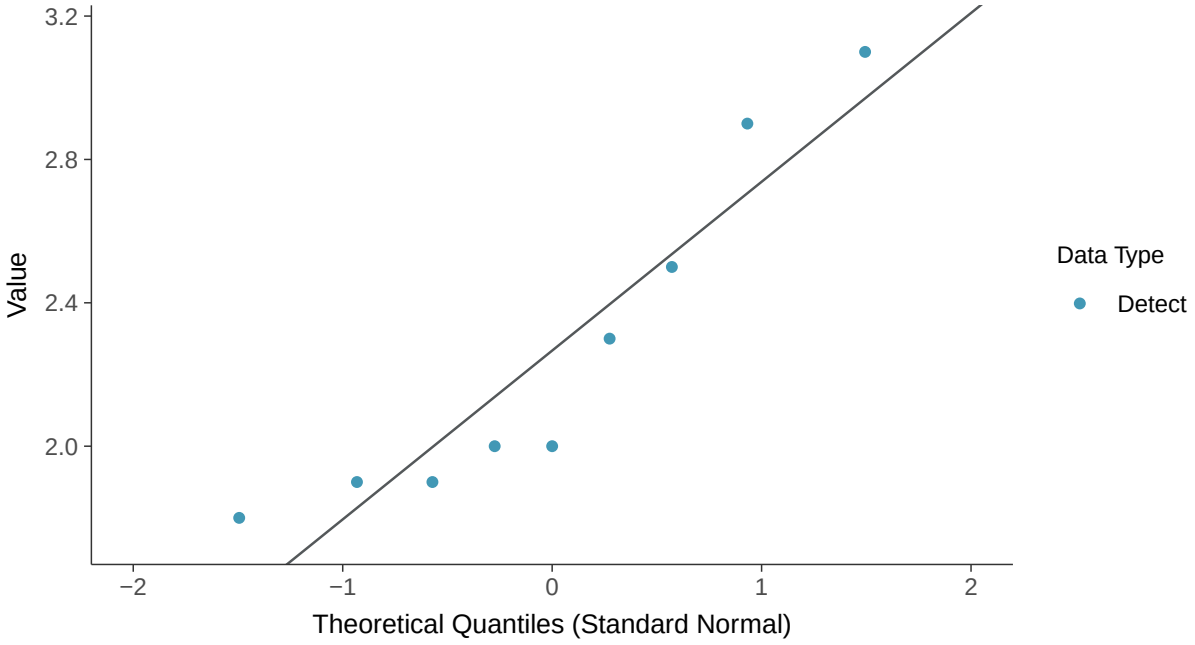
Boxplot by Season

Chloride, MW-19C (mg/l)



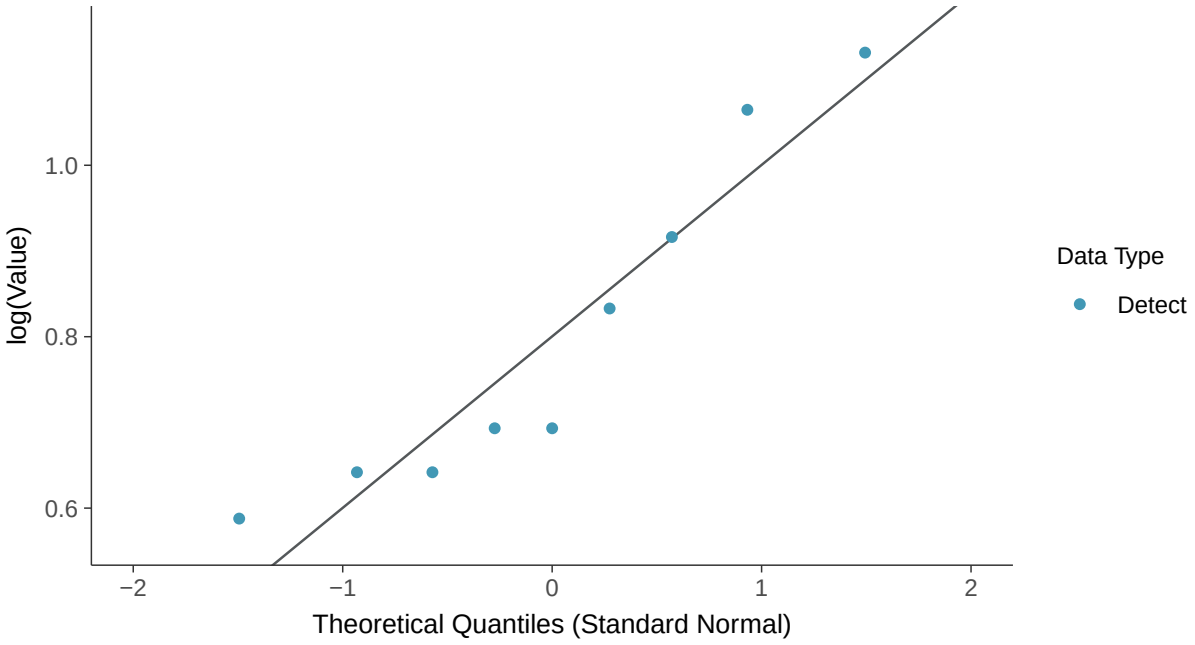
Normal Q-Q plot

Chloride, MW-19C (mg/l)



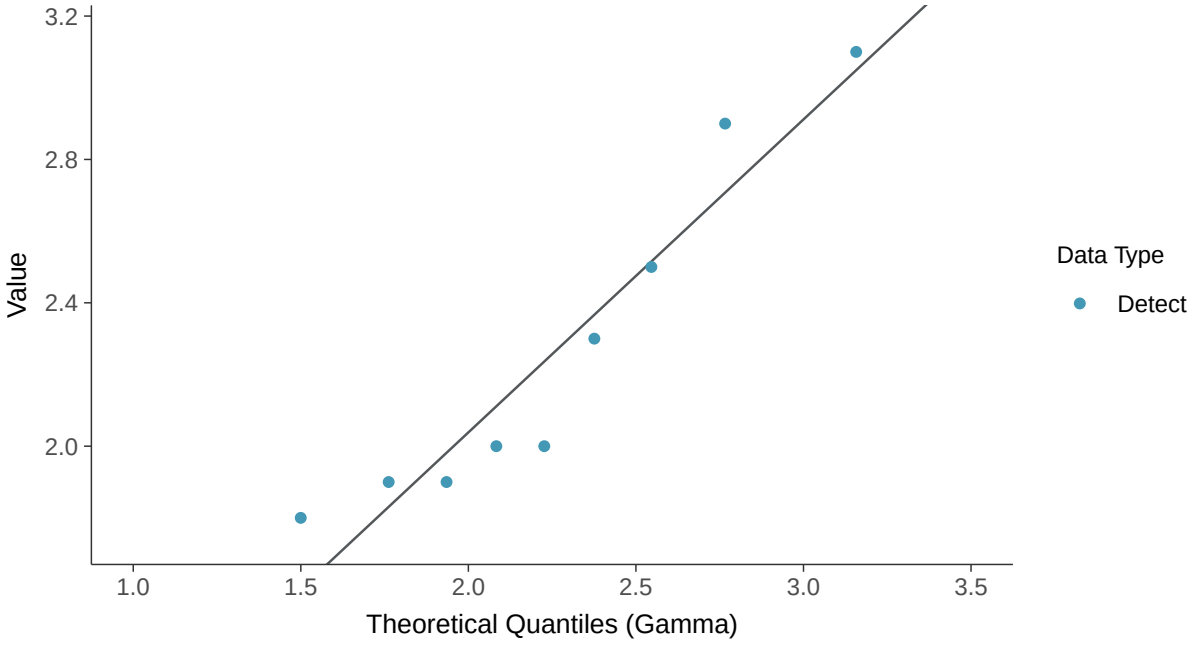
Lognormal Q-Q plot

Chloride, MW-19C (mg/l)



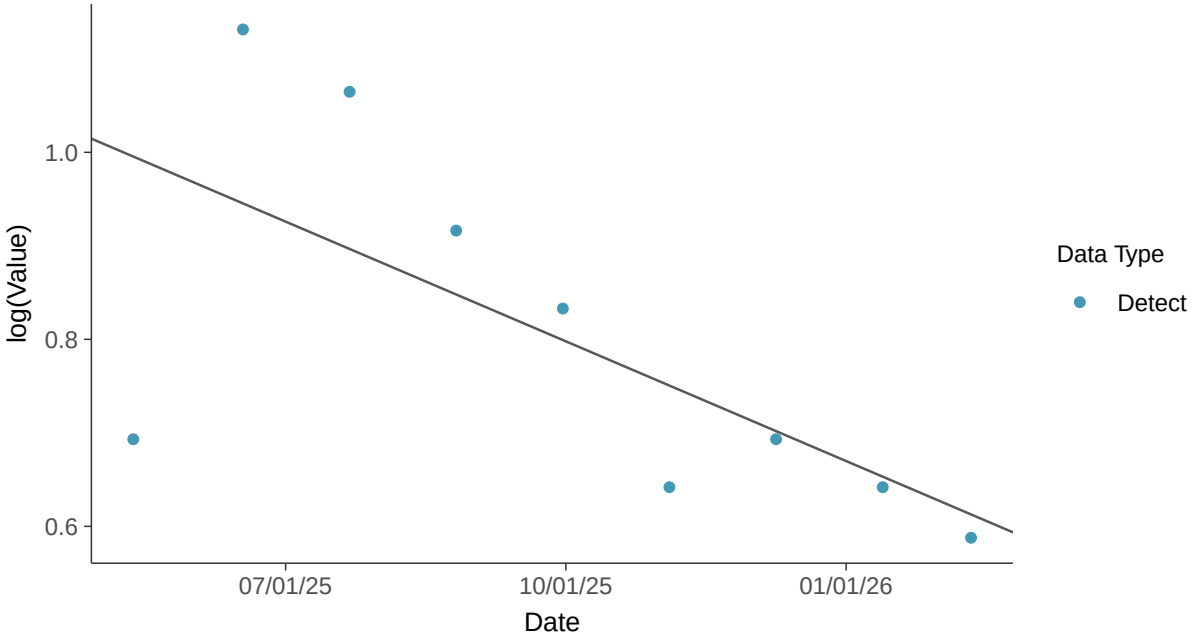
Gamma Q-Q plot

Chloride, MW-19C (mg/l)



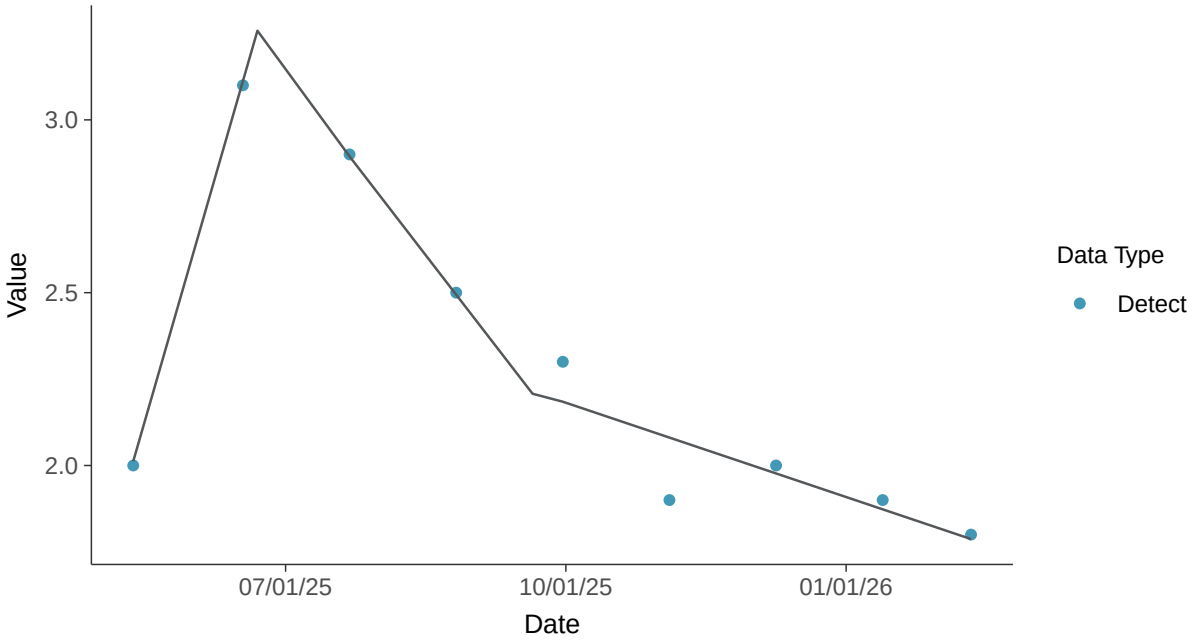
Trend Regression: Lognormal MLE

Chloride, MW-19C (mg/l)



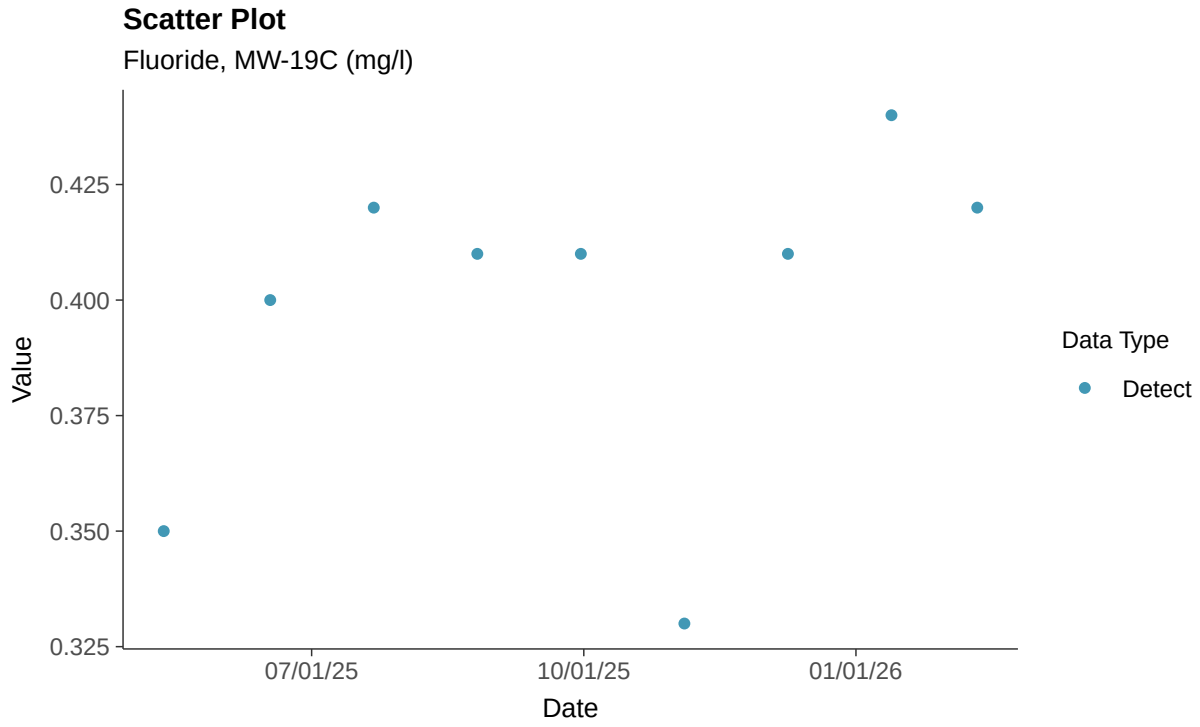
Trend Regression: Piecewise Linear-Linear-Linear

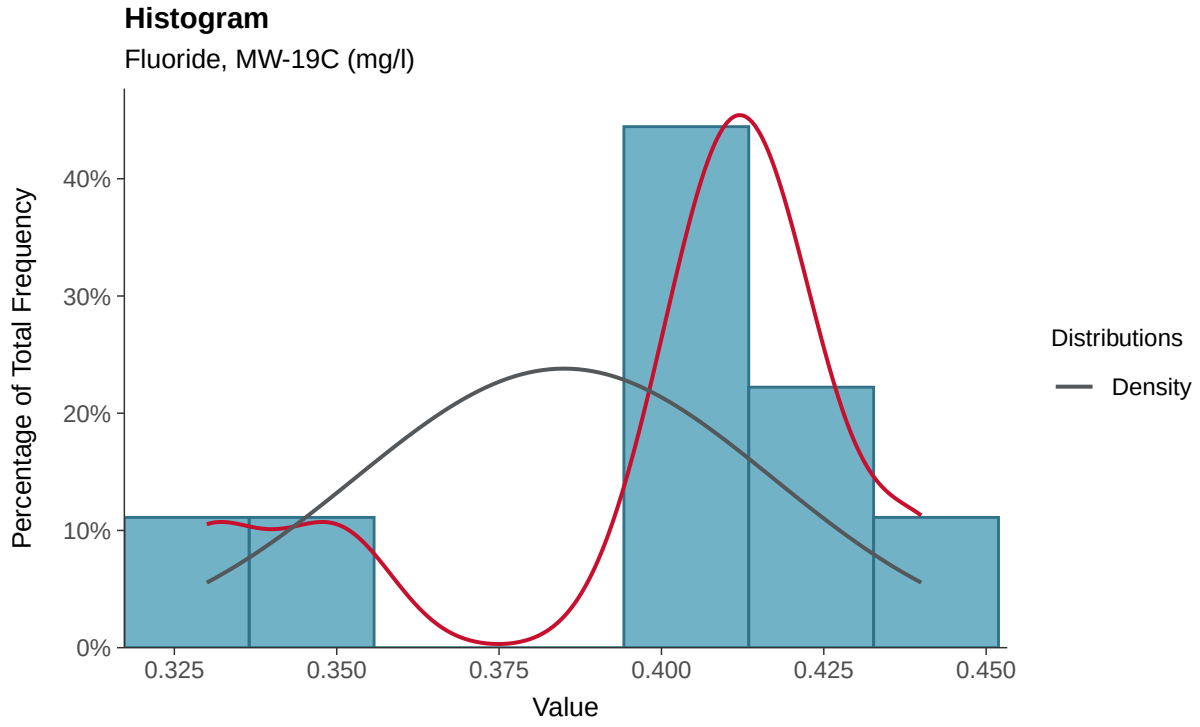
Chloride, MW-19C (mg/l)



Appendix III: Fluoride, MW-19C

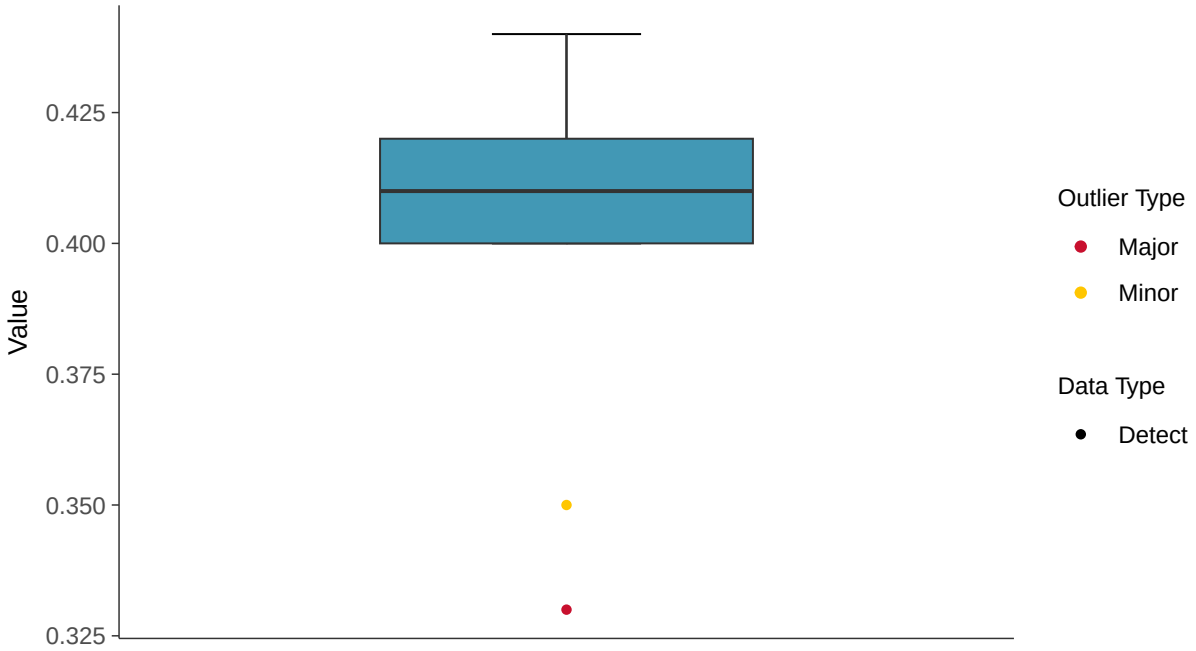
ID: 18_2_112





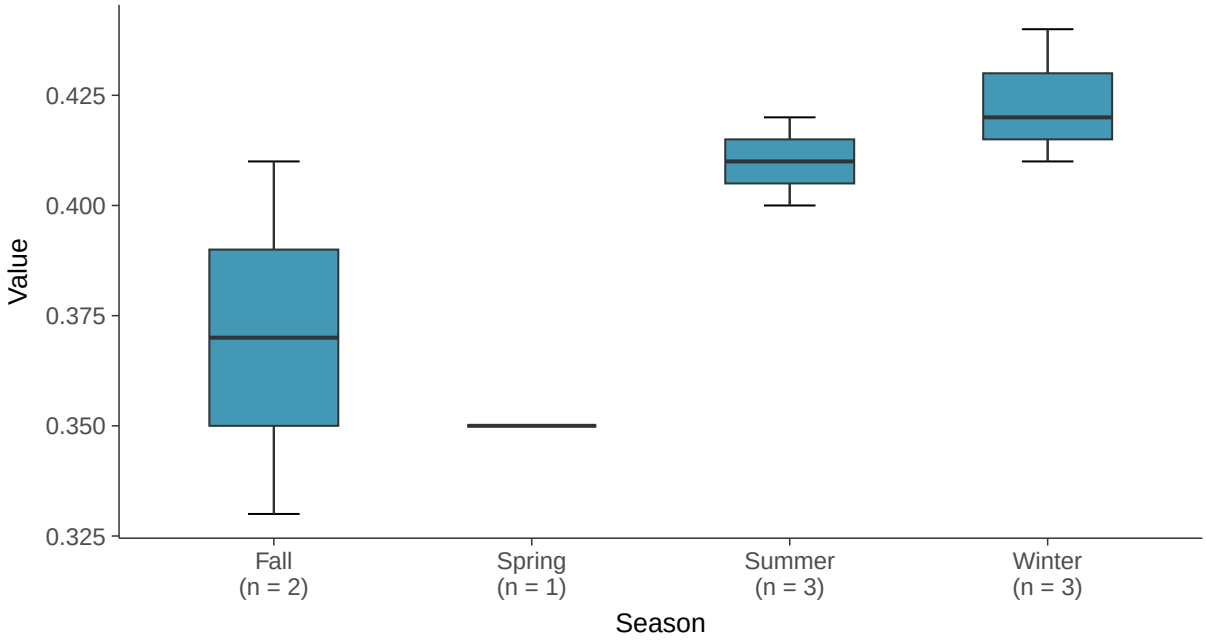
Boxplot

Fluoride, MW-19C (mg/l)



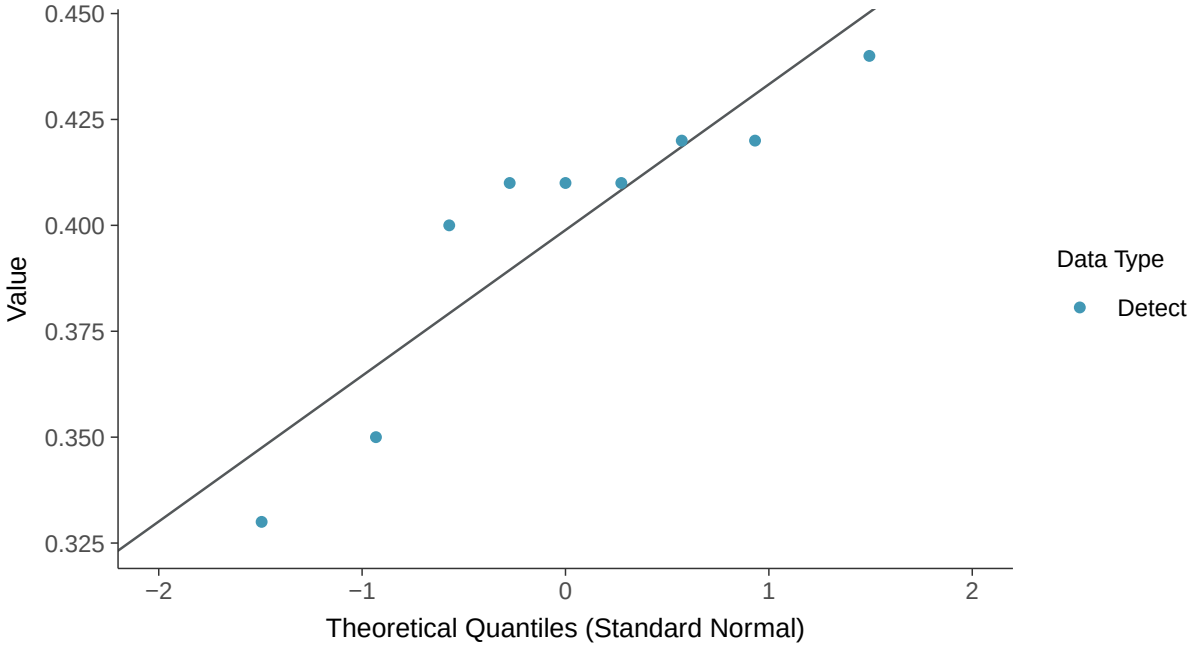
Boxplot by Season

Fluoride, MW-19C (mg/l)



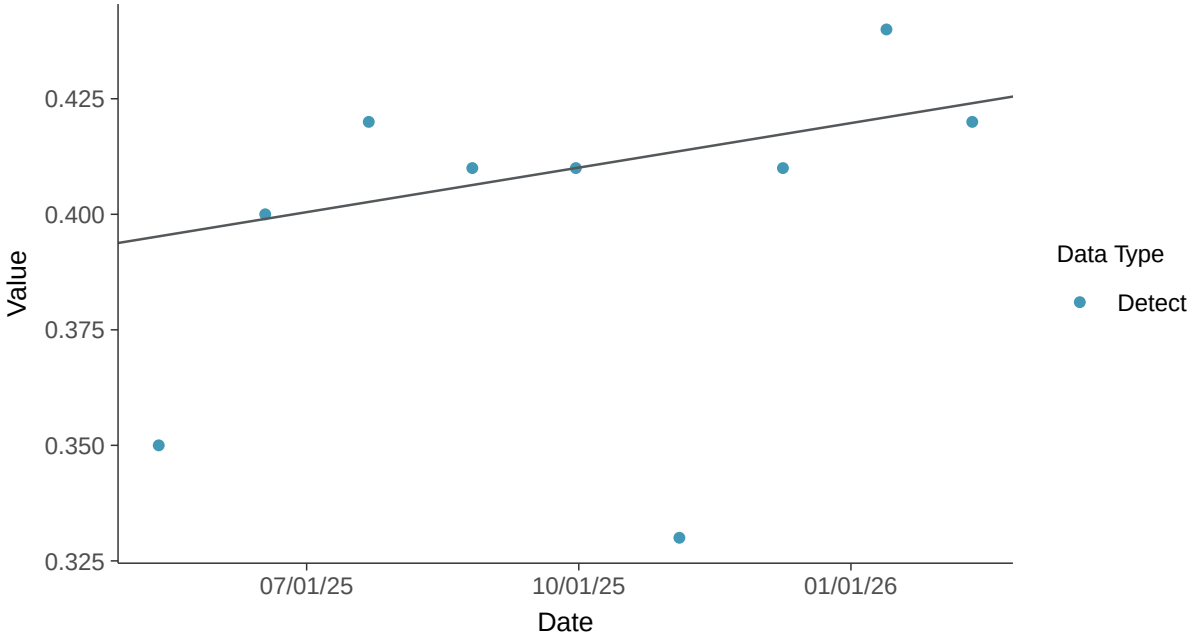
Normal Q-Q plot

Fluoride, MW-19C (mg/l)



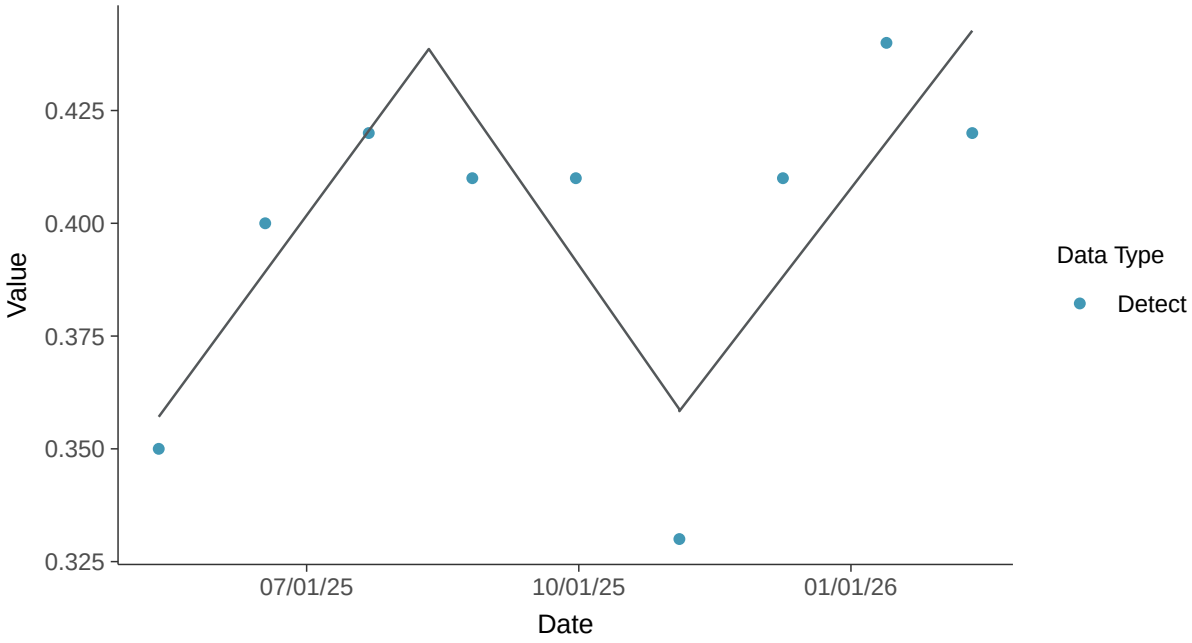
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride, MW-19C (mg/l)



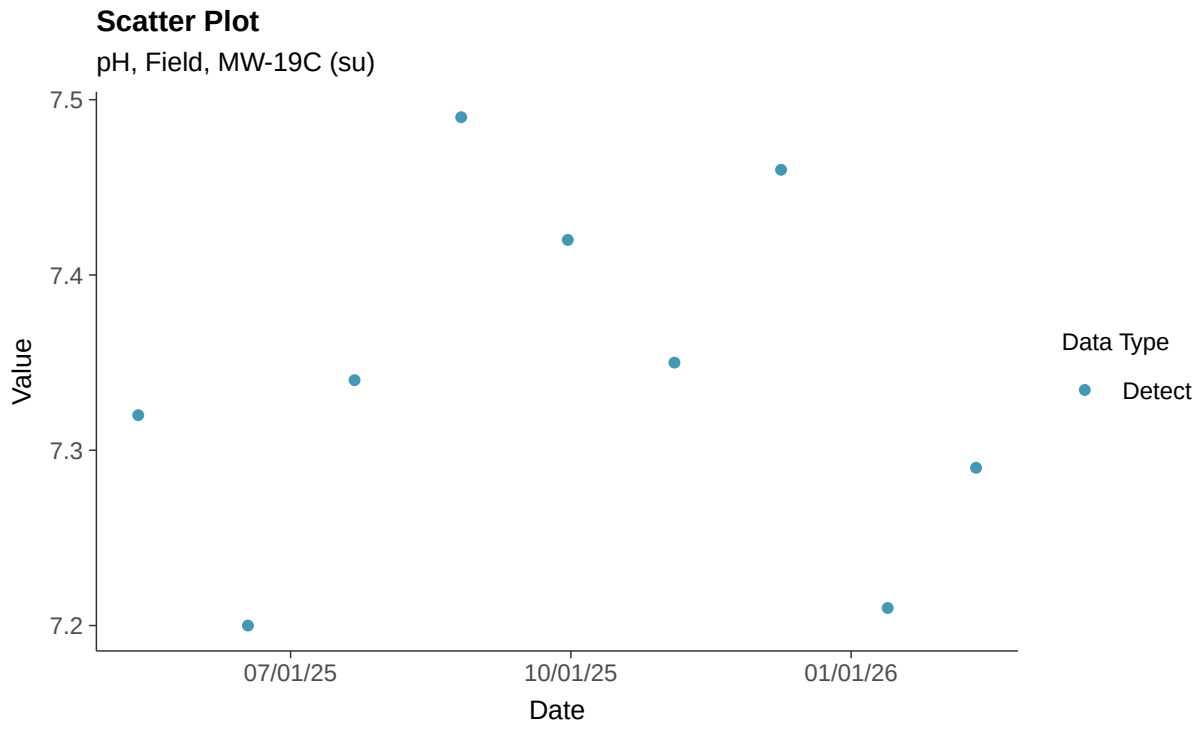
Trend Regression: Piecewise Linear-Linear-Linear

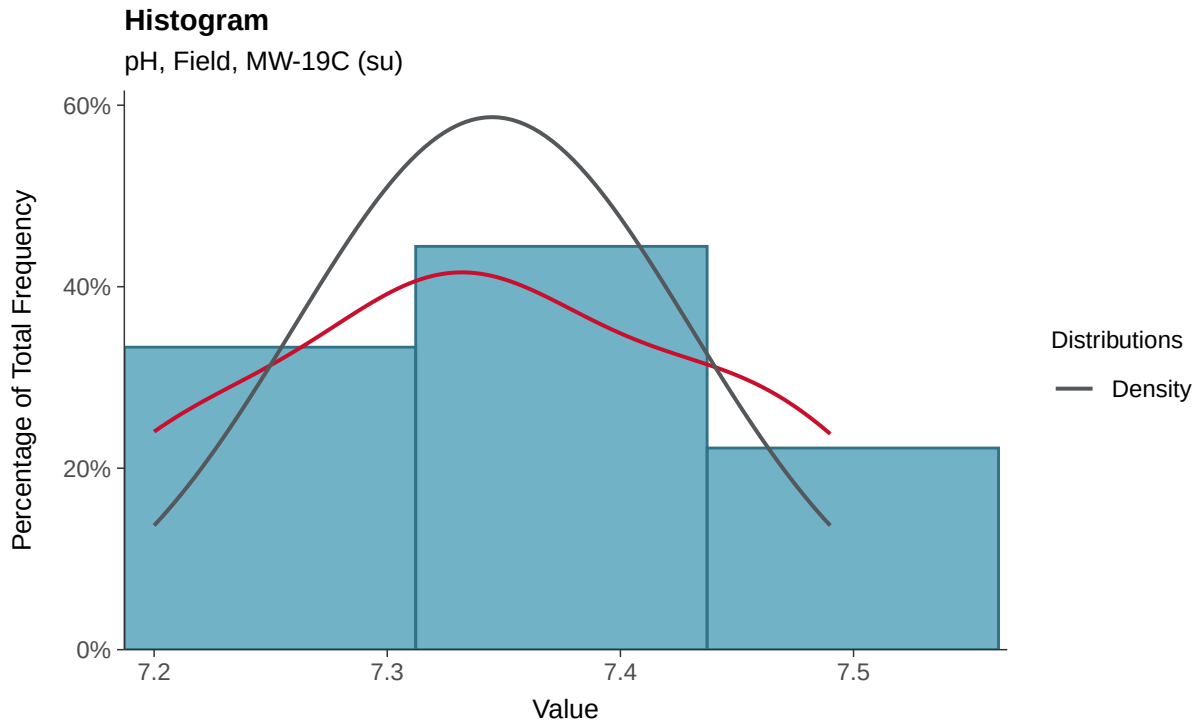
Fluoride, MW-19C (mg/l)



Appendix III: pH, Field, MW-19C

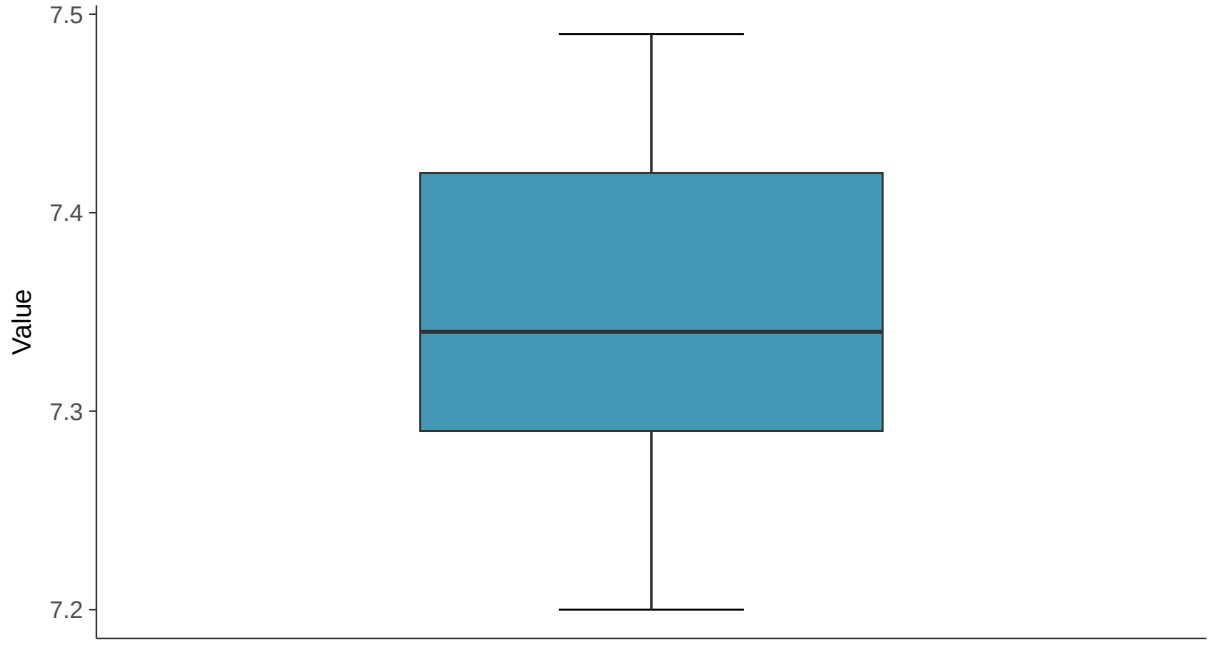
ID: 18_2_120





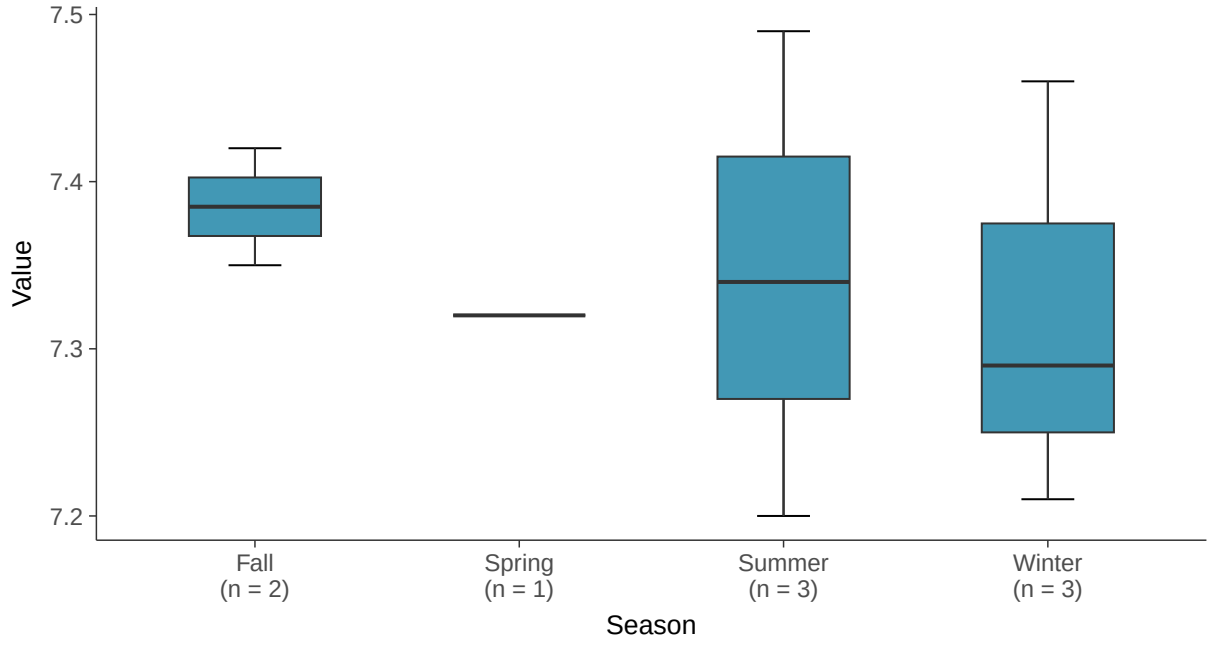
Boxplot

pH, Field, MW-19C (su)



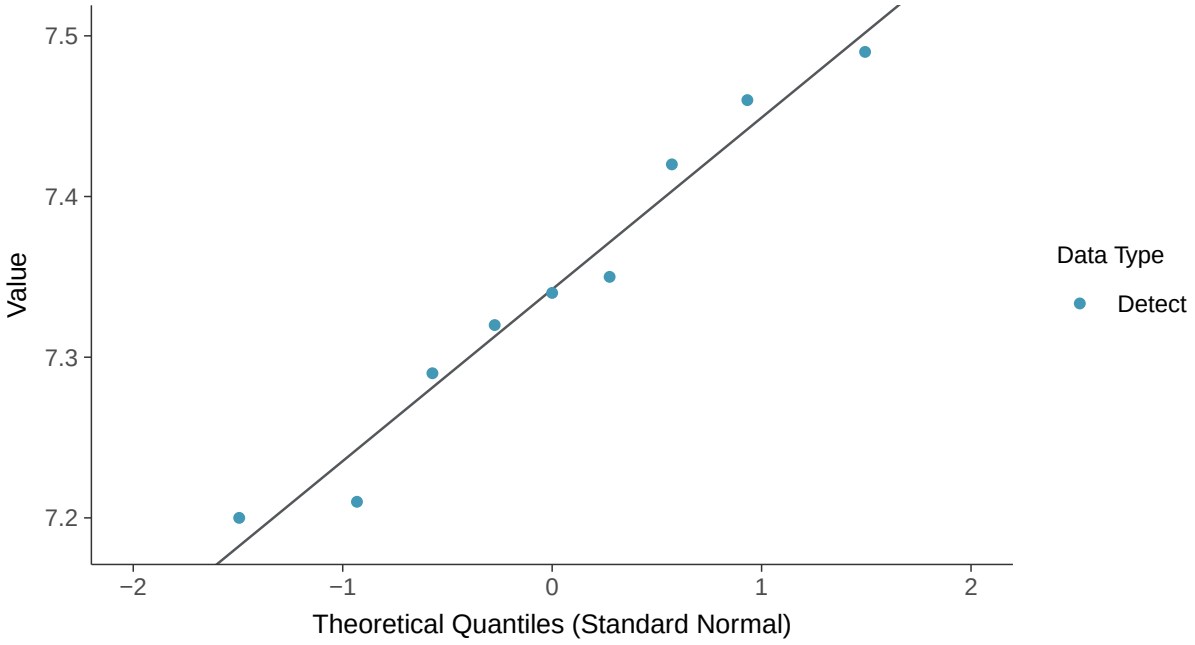
Boxplot by Season

pH, Field, MW-19C (su)



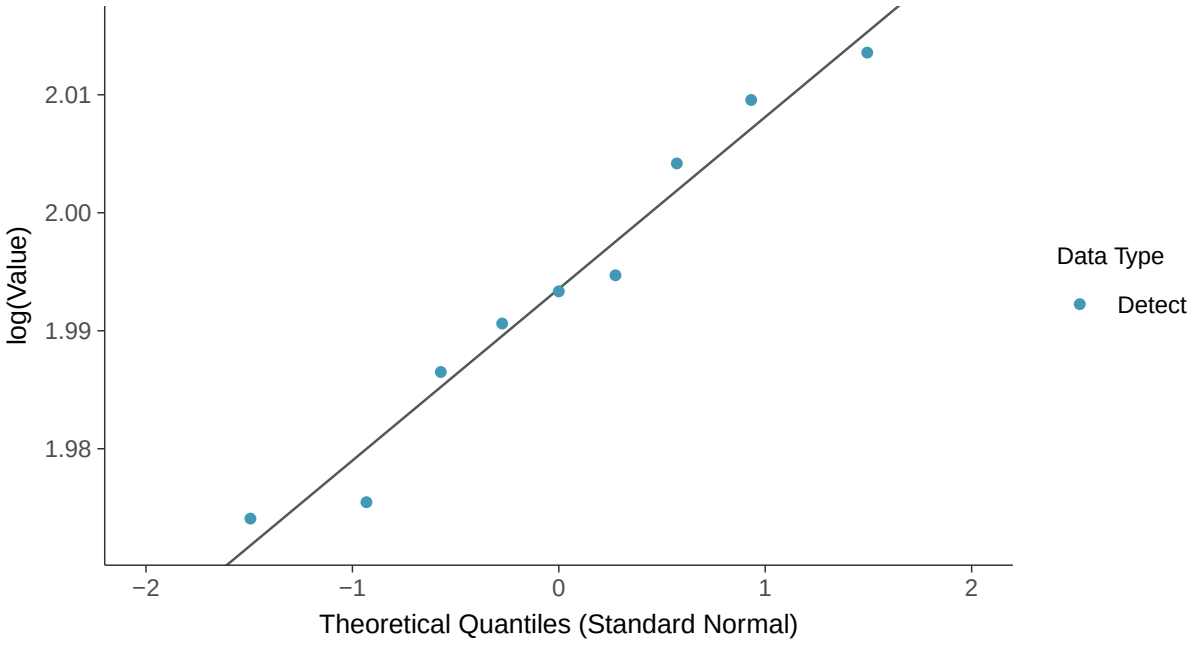
Normal Q-Q plot

pH, Field, MW-19C (su)



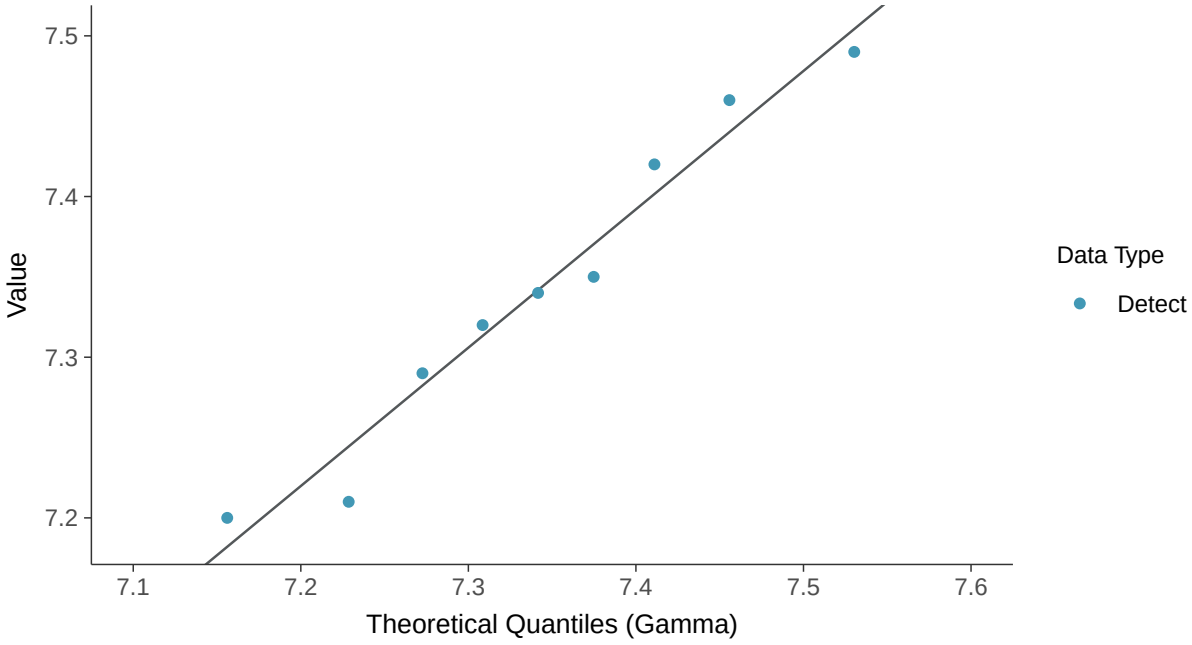
Lognormal Q-Q plot

pH, Field, MW-19C (su)



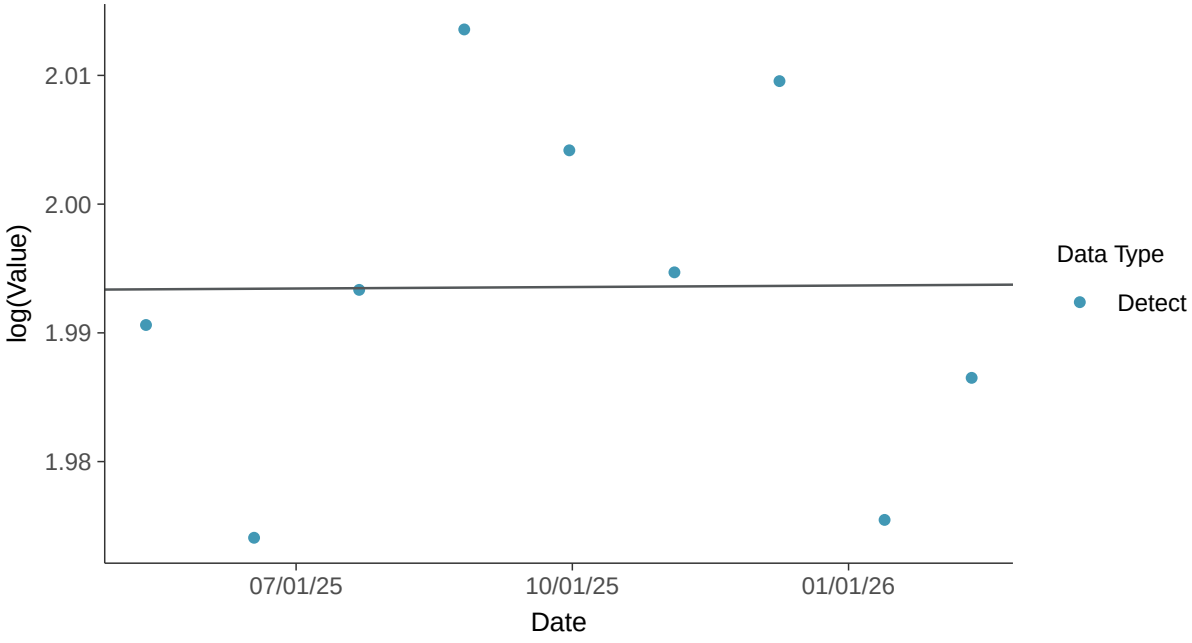
Gamma Q-Q plot

pH, Field, MW-19C (su)



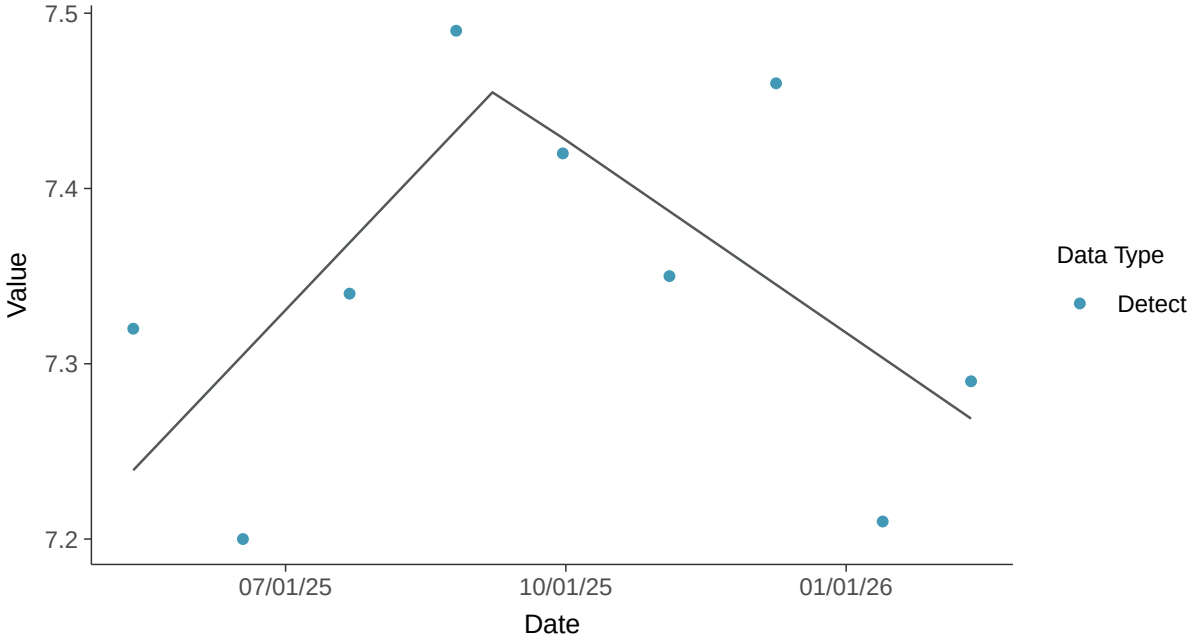
Trend Regression: Lognormal MLE

pH, Field, MW-19C (su)



Trend Regression: Piecewise Linear-Linear

pH, Field, MW-19C (su)

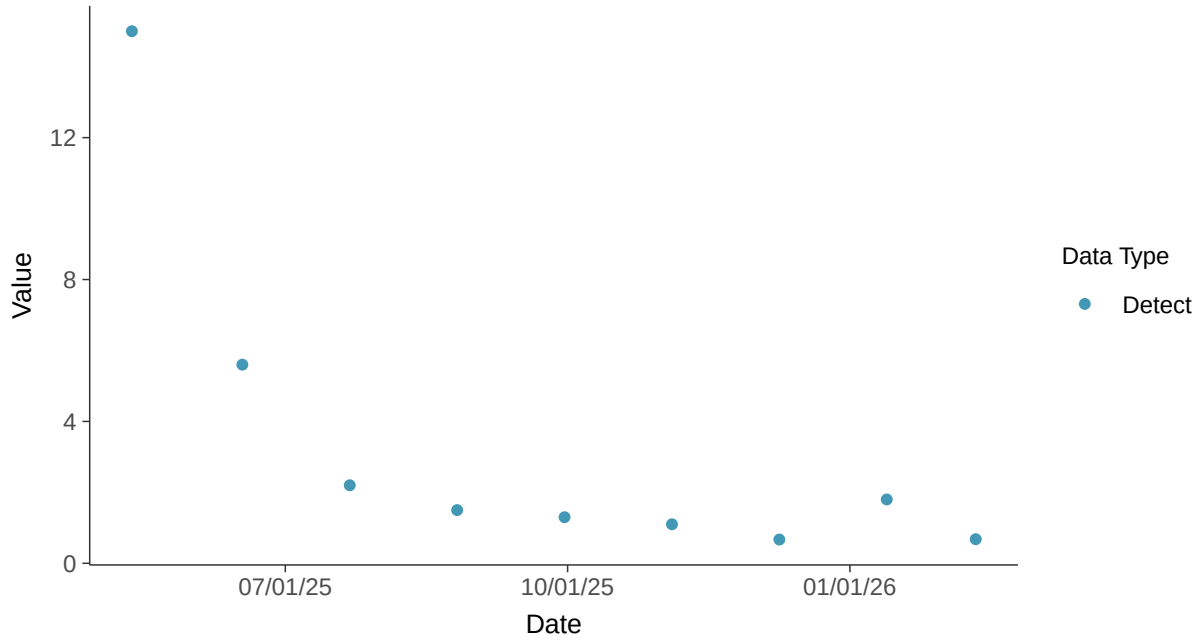


Appendix III: Sulfate, MW-19C

ID: 18_2_124

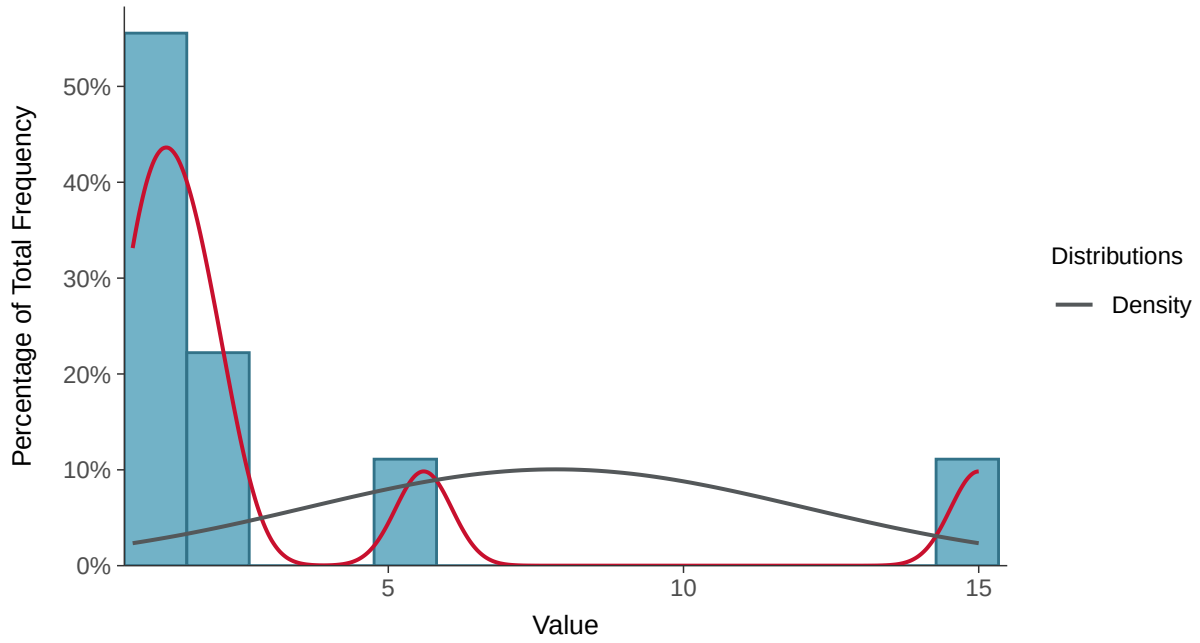
Scatter Plot

Sulfate, MW-19C (mg/l)



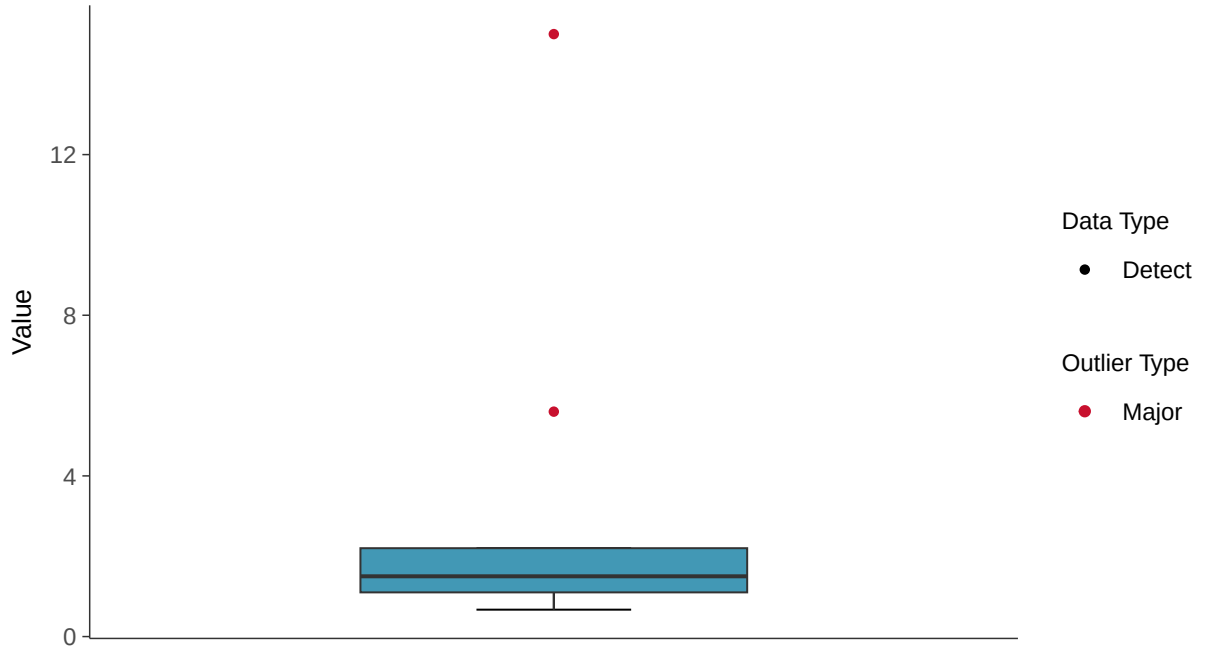
Histogram

Sulfate, MW-19C (mg/l)



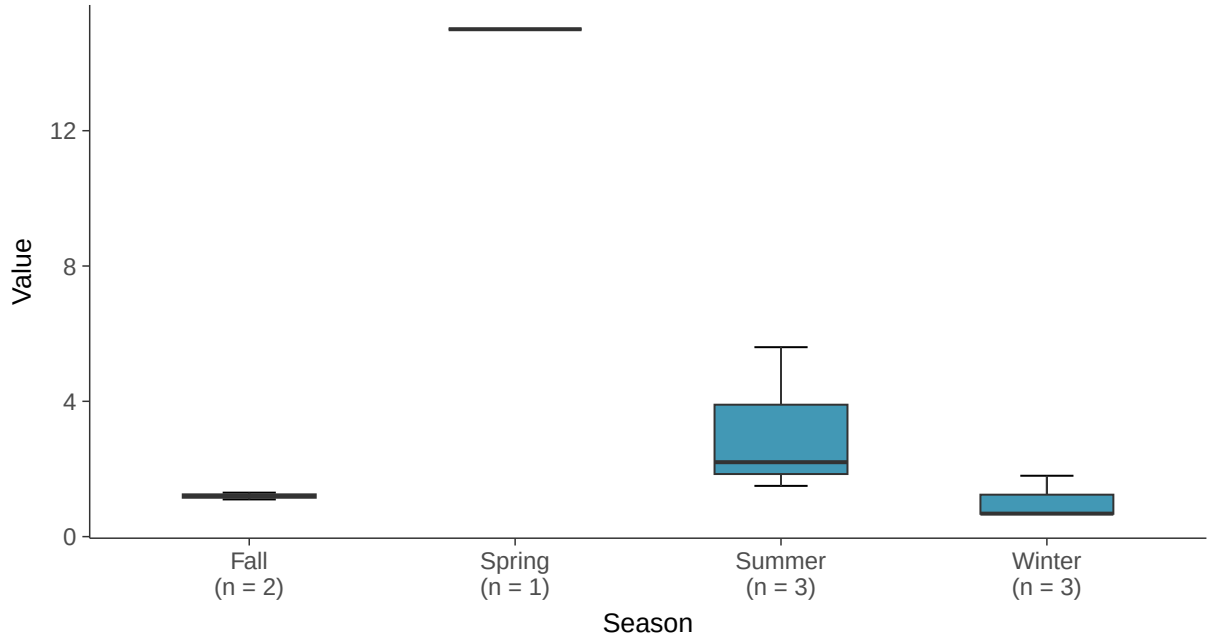
Boxplot

Sulfate, MW-19C (mg/l)



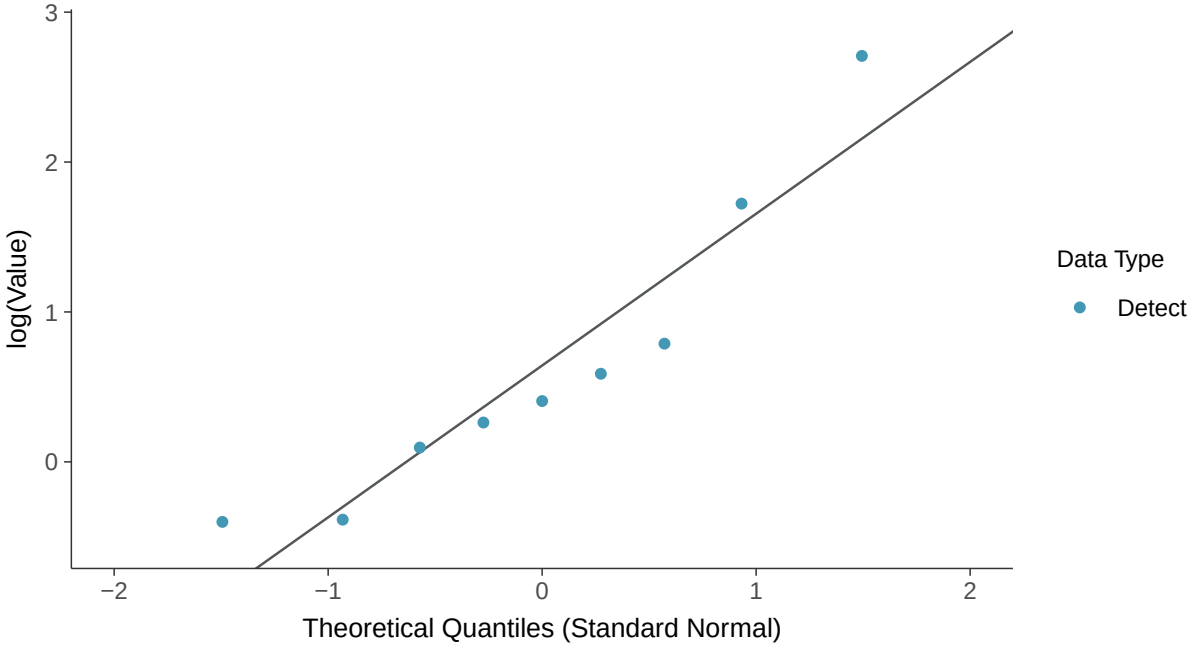
Boxplot by Season

Sulfate, MW-19C (mg/l)



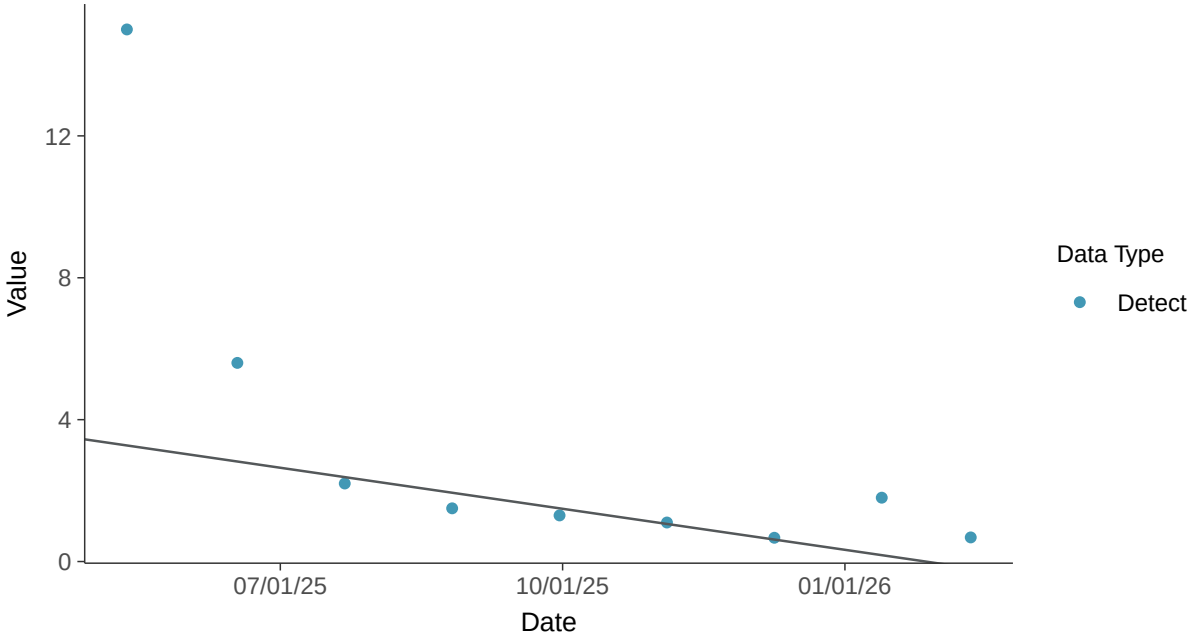
Lognormal Q-Q plot

Sulfate, MW-19C (mg/l)



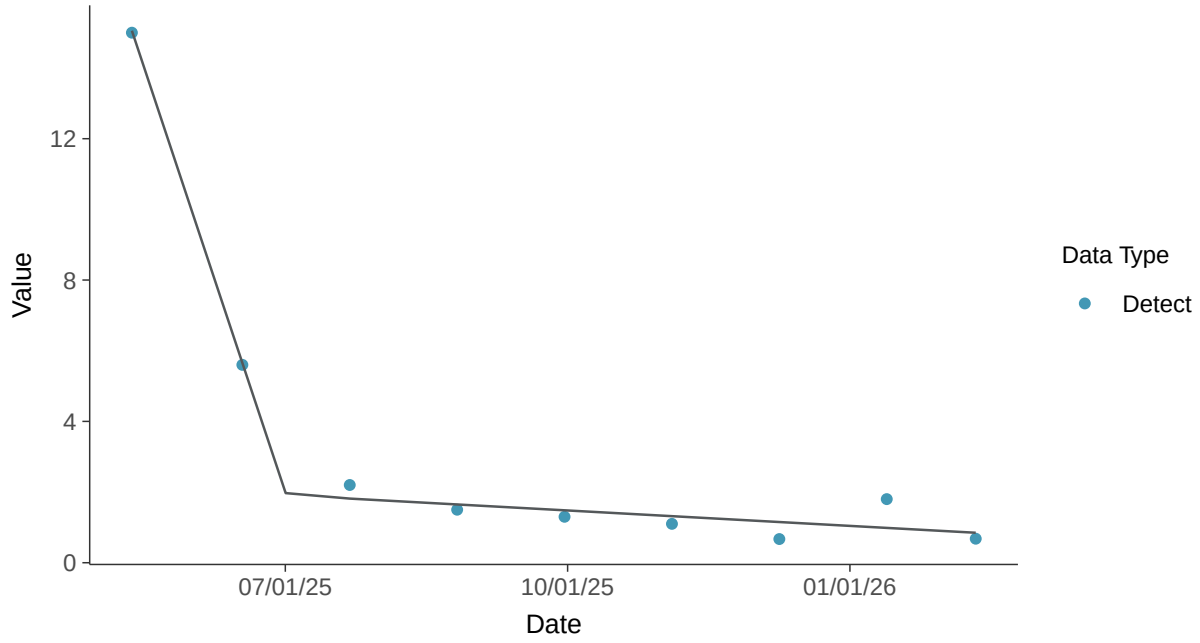
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Sulfate, MW-19C (mg/l)



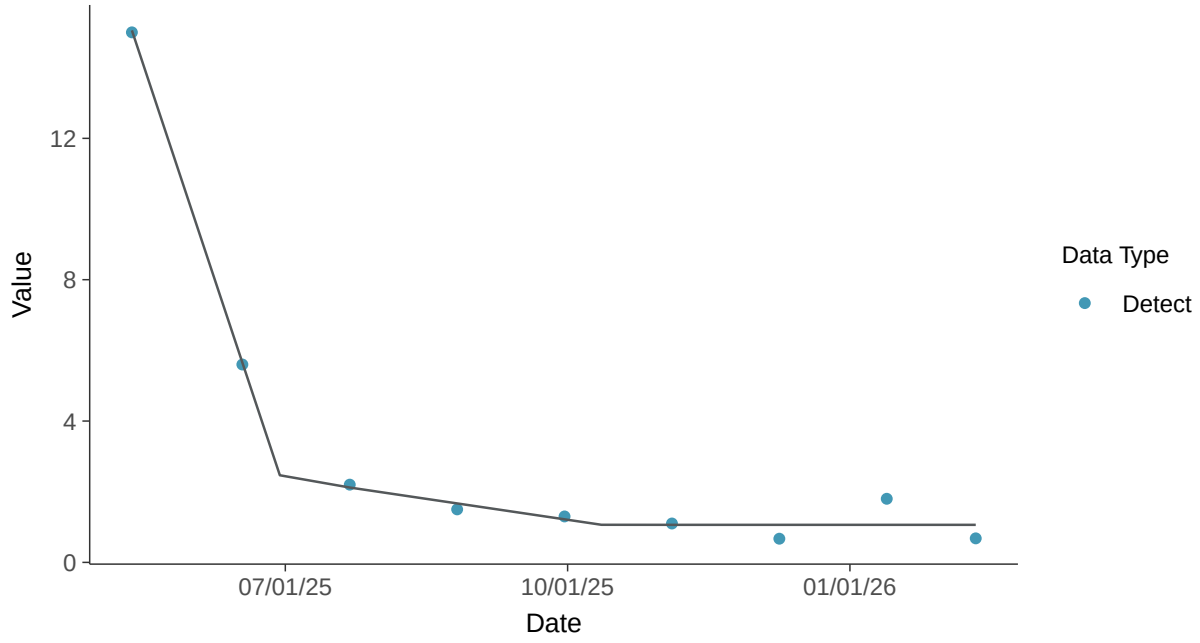
Trend Regression: Piecewise Linear-Linear

Sulfate, MW-19C (mg/l)



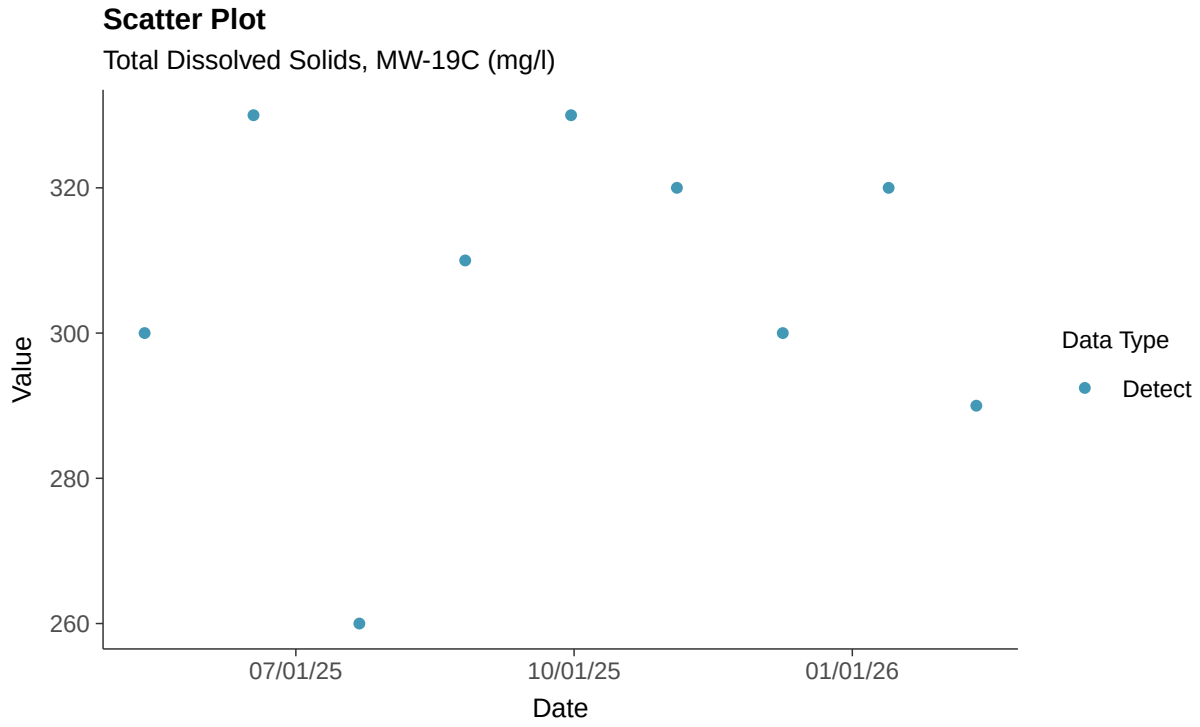
Trend Regression: Piecewise Linear-Linear-Linear

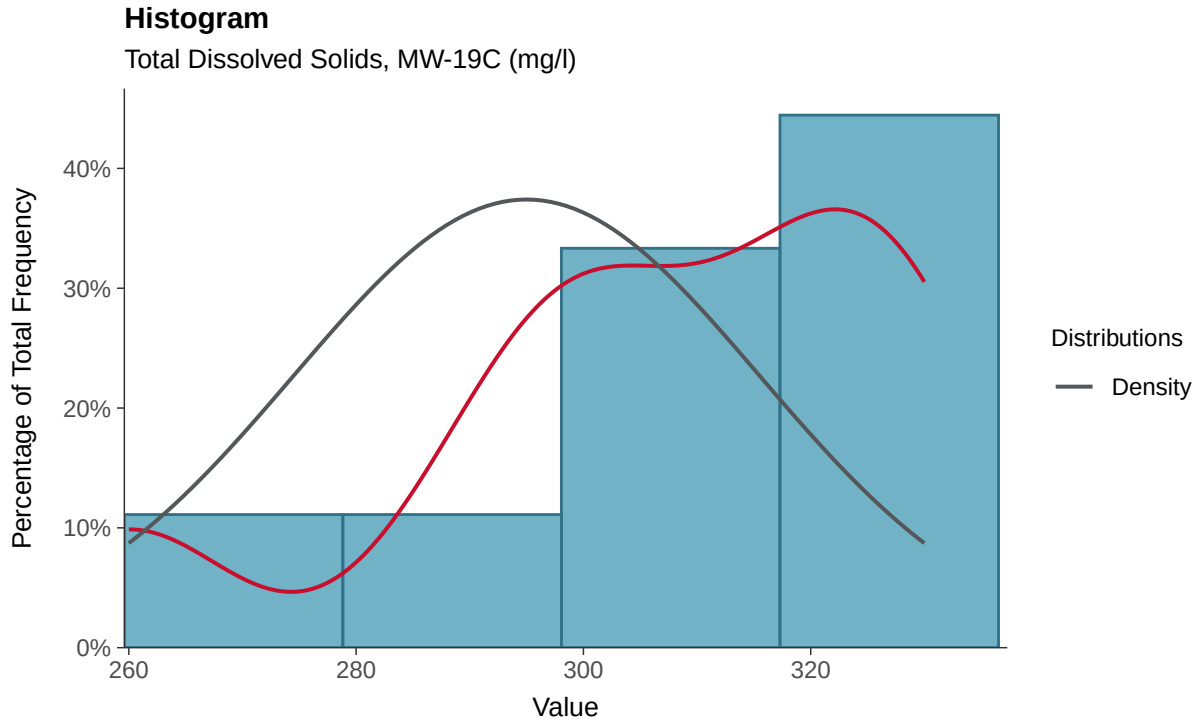
Sulfate, MW-19C (mg/l)



Appendix III: Total Dissolved Solids, MW-19C

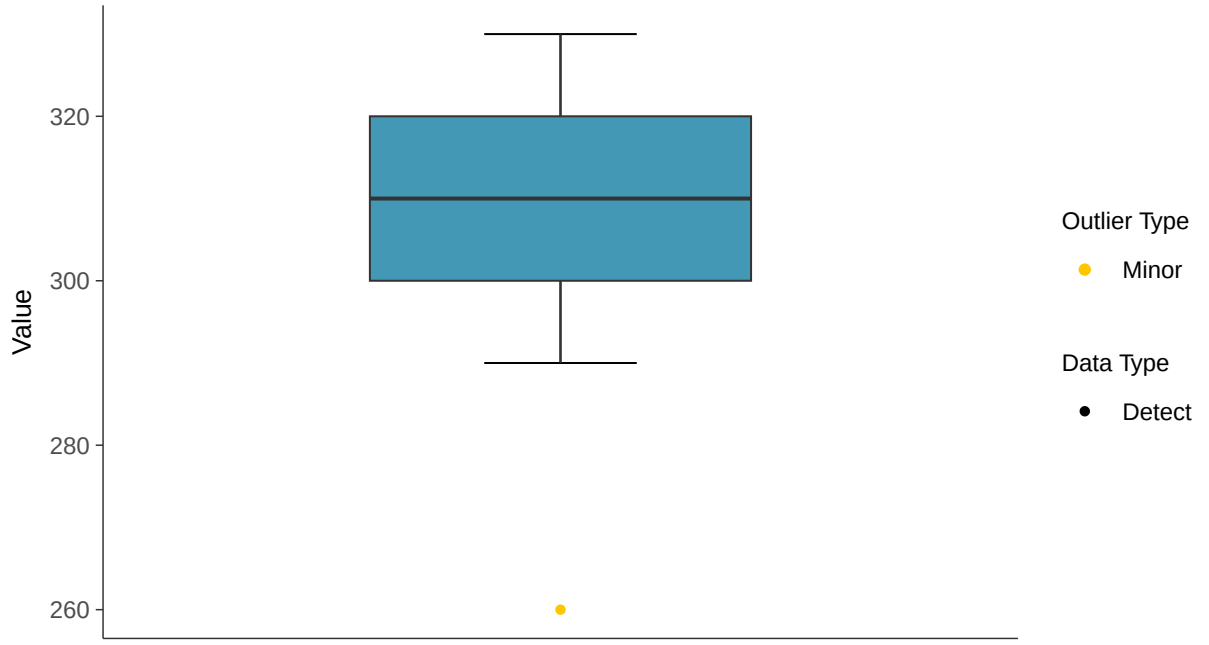
ID: 18_2_126





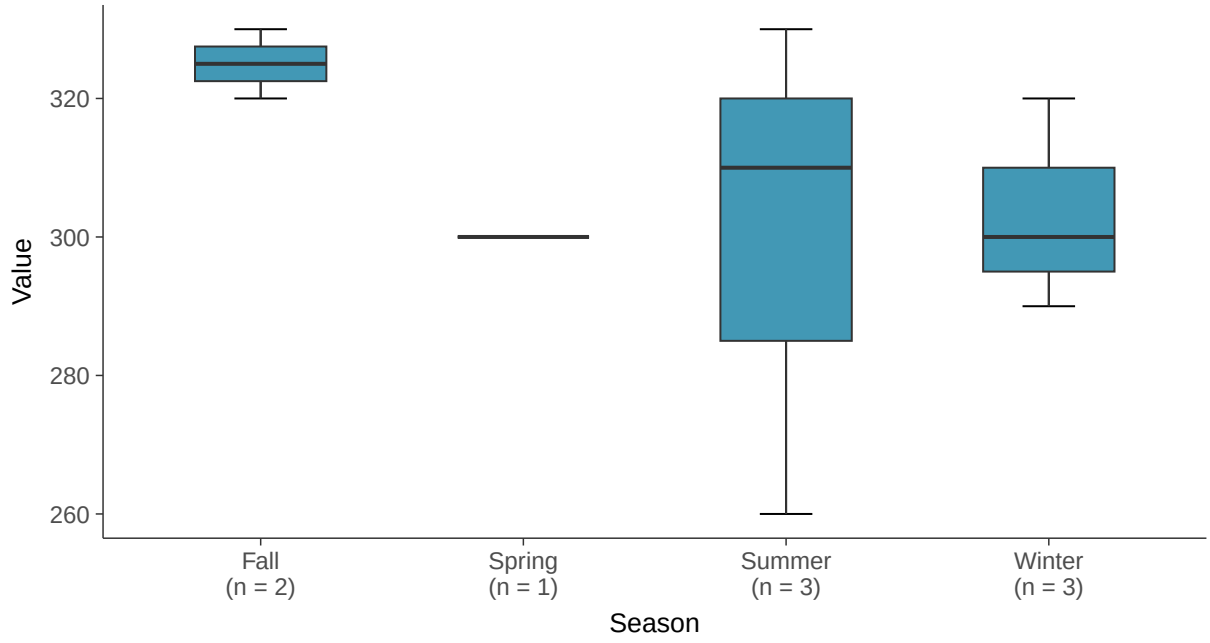
Boxplot

Total Dissolved Solids, MW-19C (mg/l)



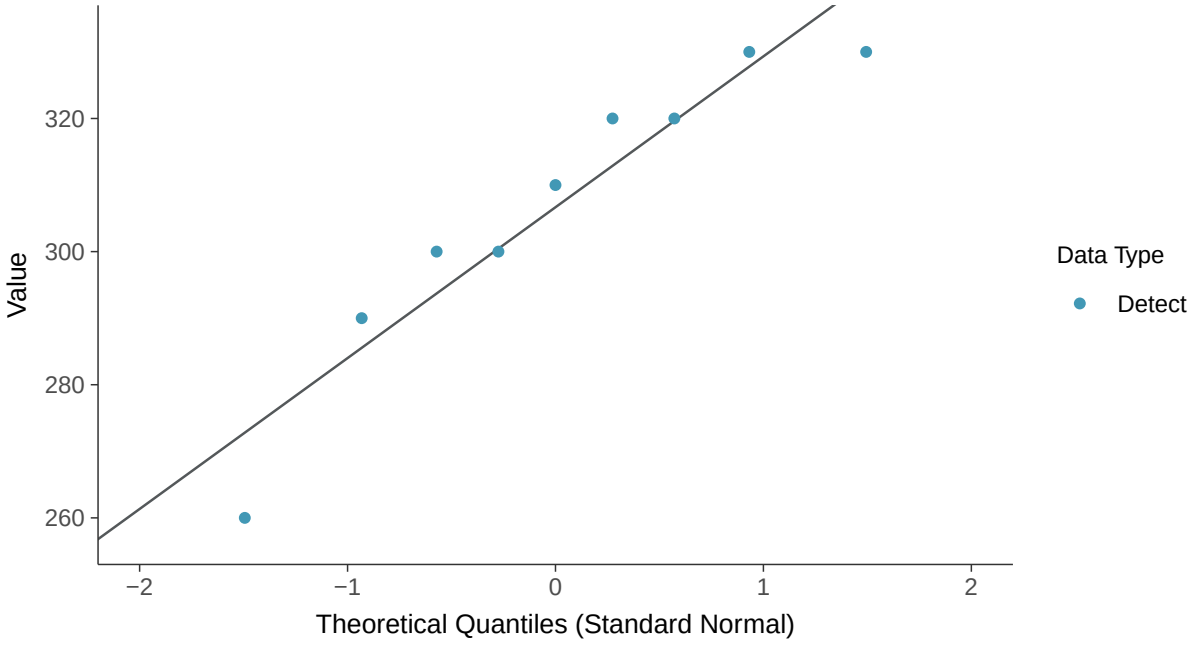
Boxplot by Season

Total Dissolved Solids, MW-19C (mg/l)



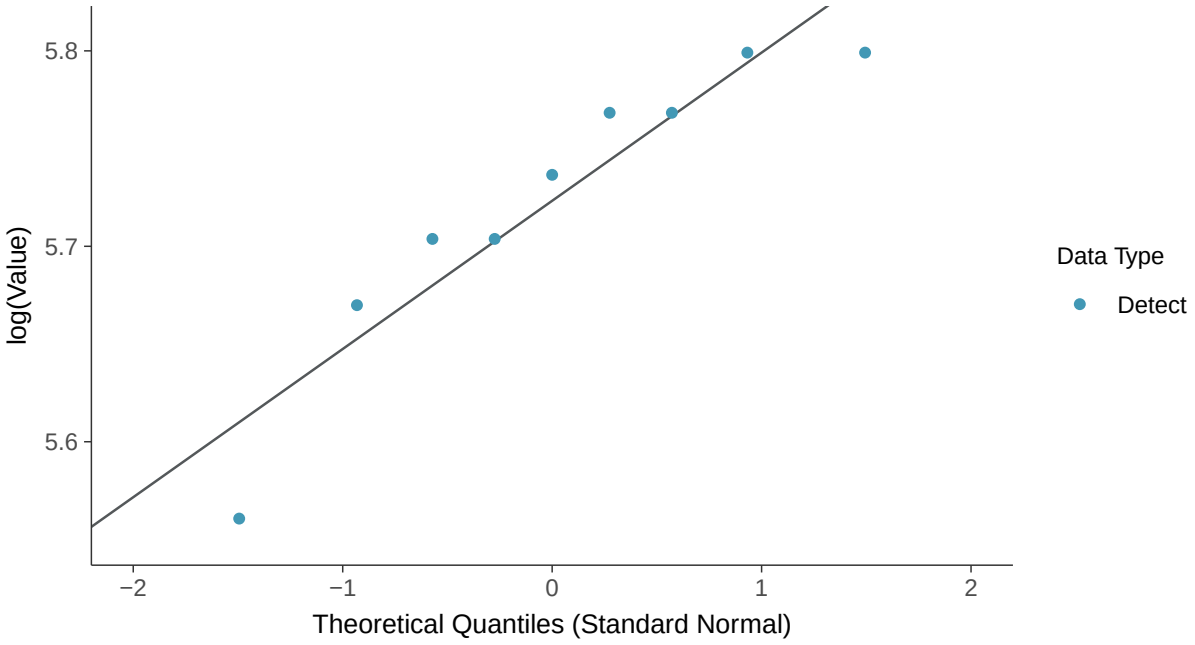
Normal Q-Q plot

Total Dissolved Solids, MW-19C (mg/l)



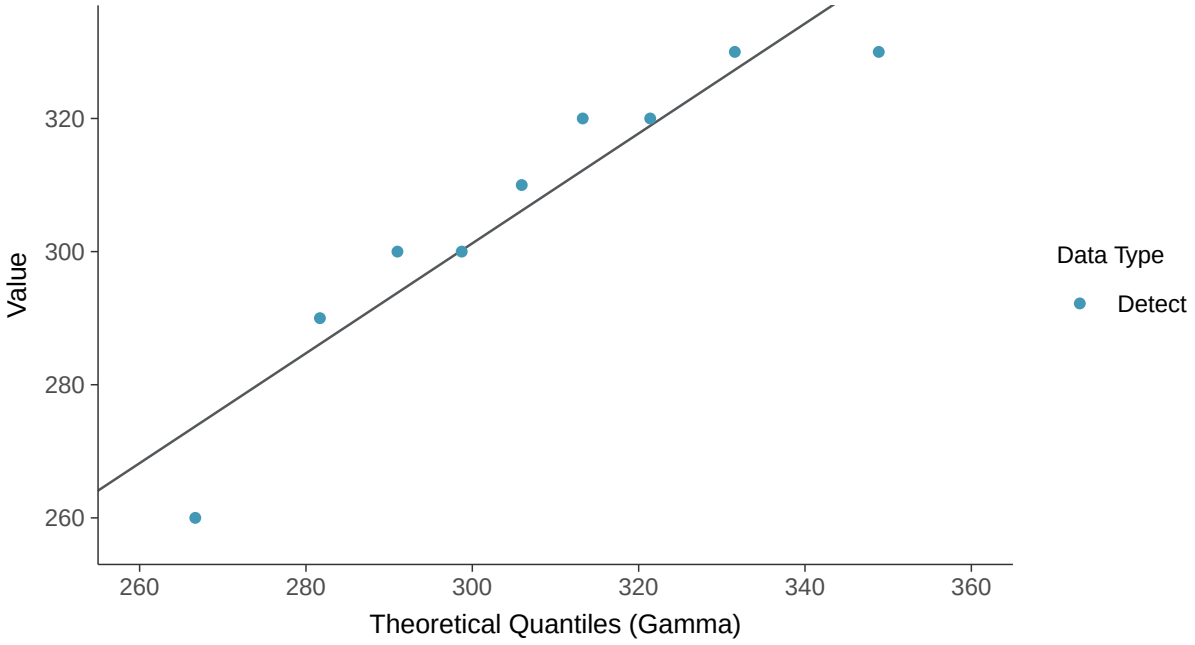
Lognormal Q-Q plot

Total Dissolved Solids, MW-19C (mg/l)



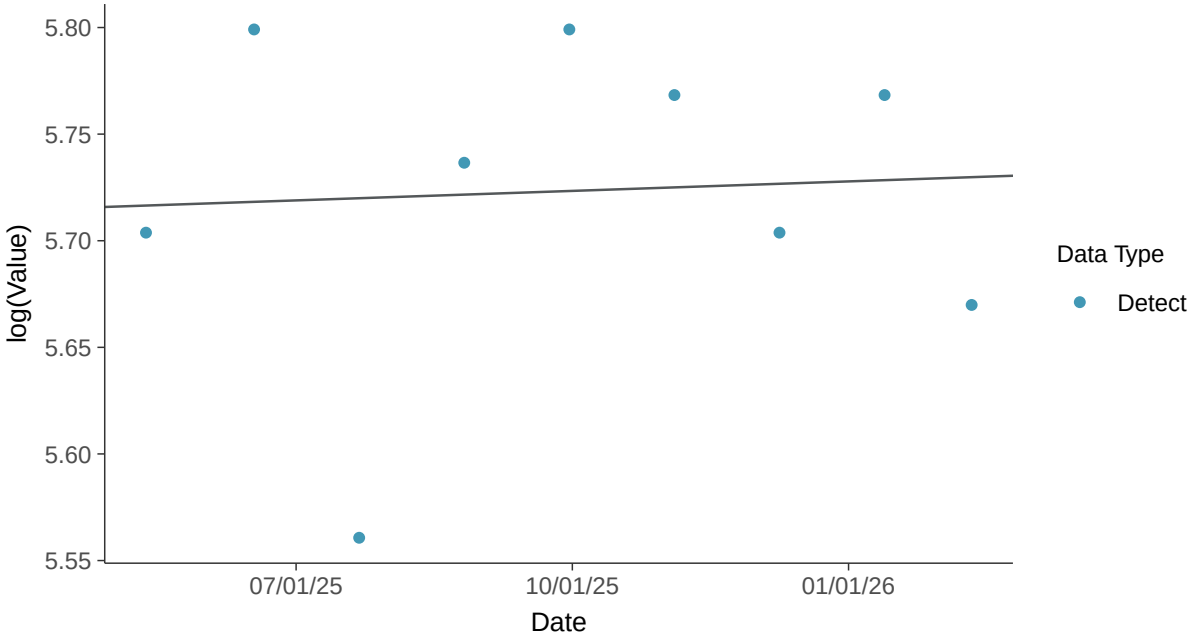
Gamma Q-Q plot

Total Dissolved Solids, MW-19C (mg/l)



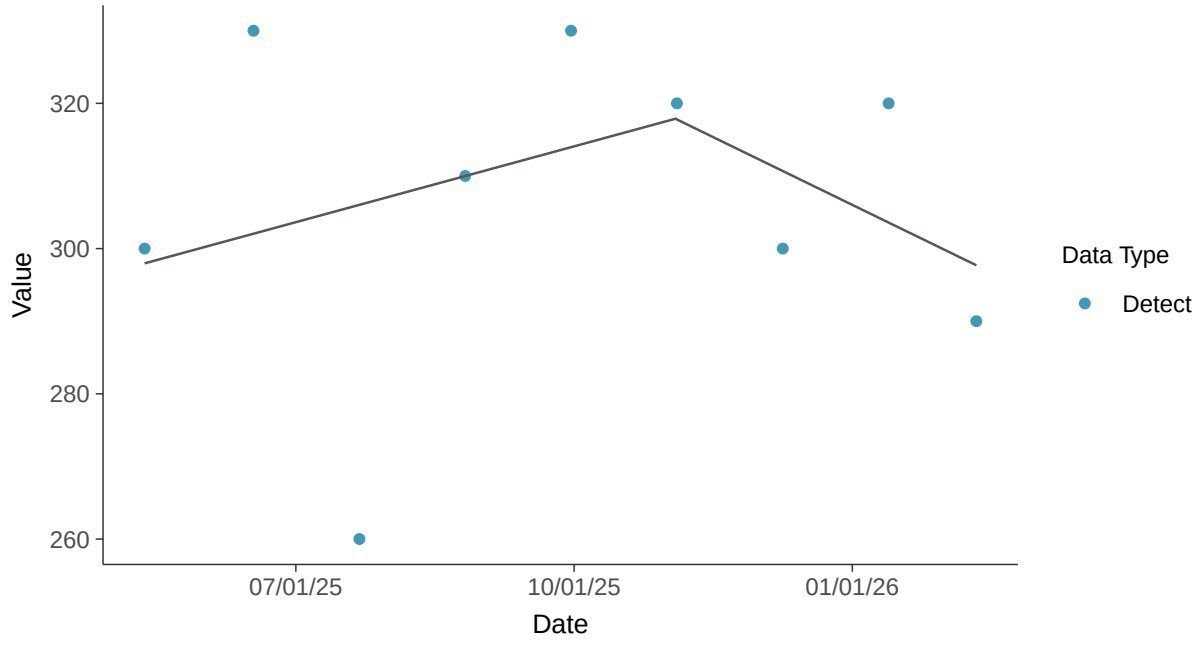
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-19C (mg/l)



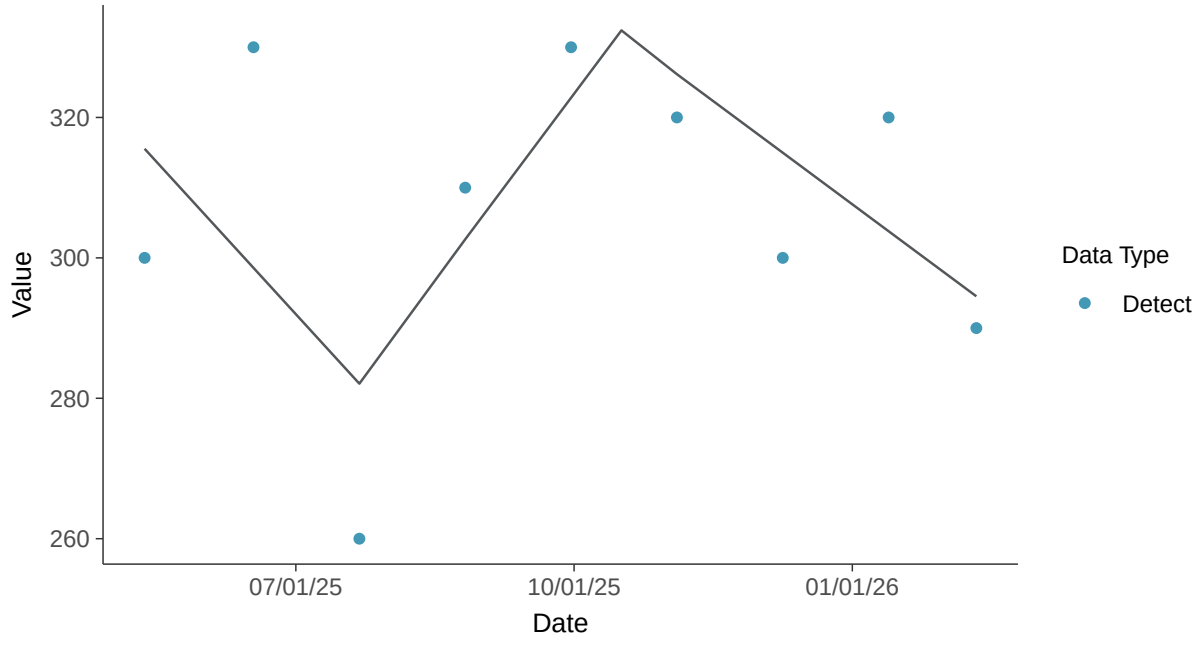
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-19C (mg/l)



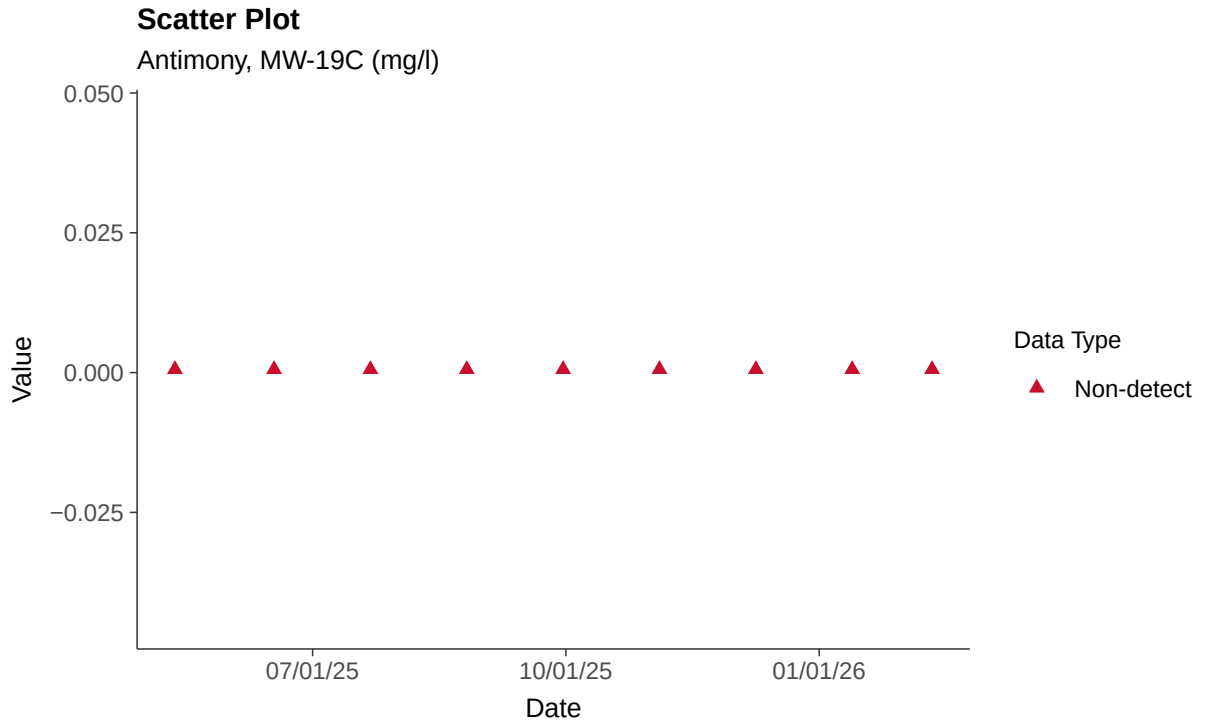
Trend Regression: Piecewise Linear-Linear-Linear

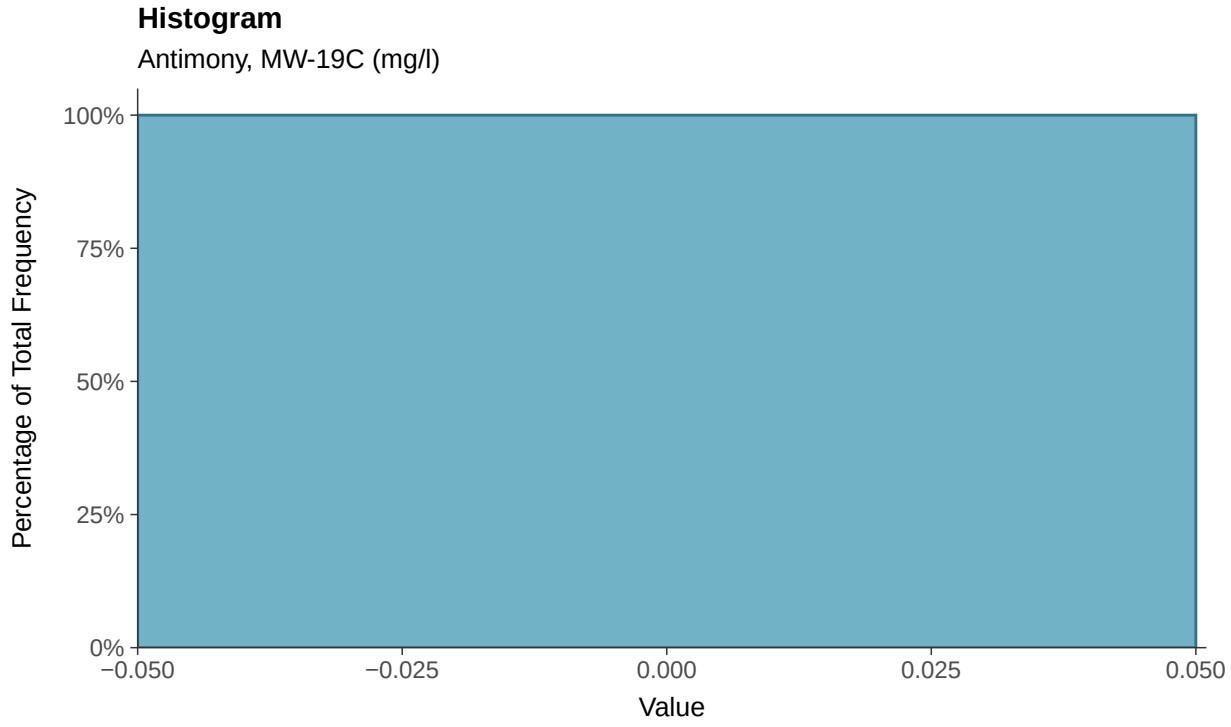
Total Dissolved Solids, MW-19C (mg/l)



Appendix IV: Antimony, MW-19C

ID: 18_3_101



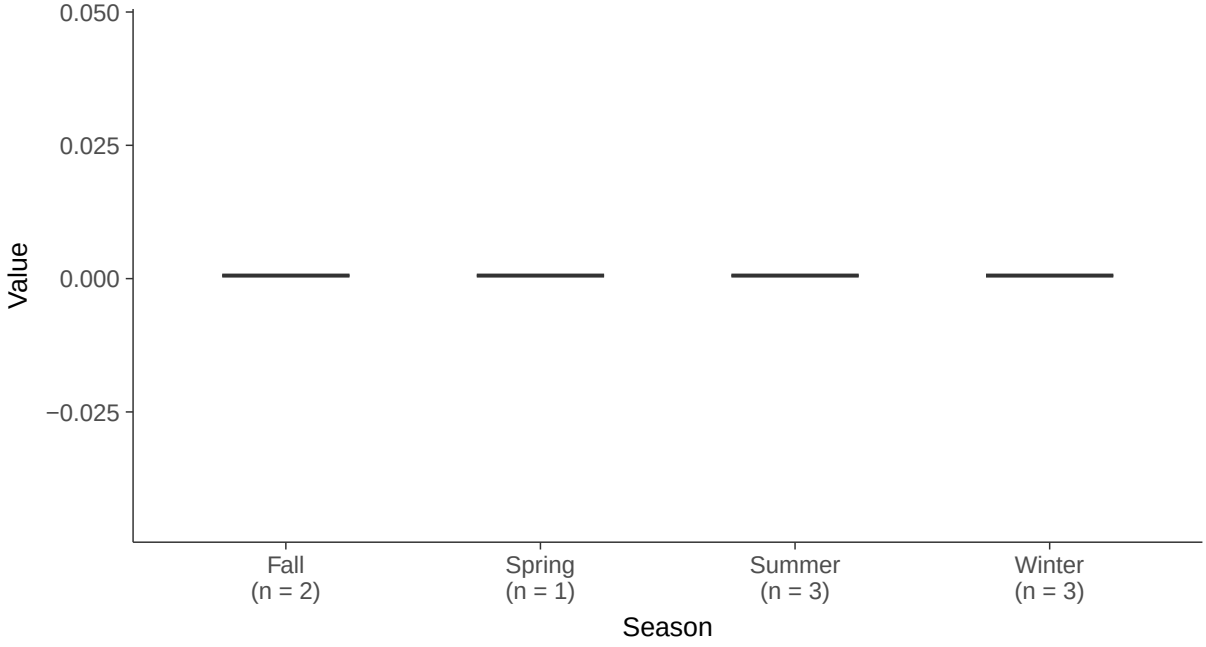


Boxplot

Antimony, MW-19C (mg/l)

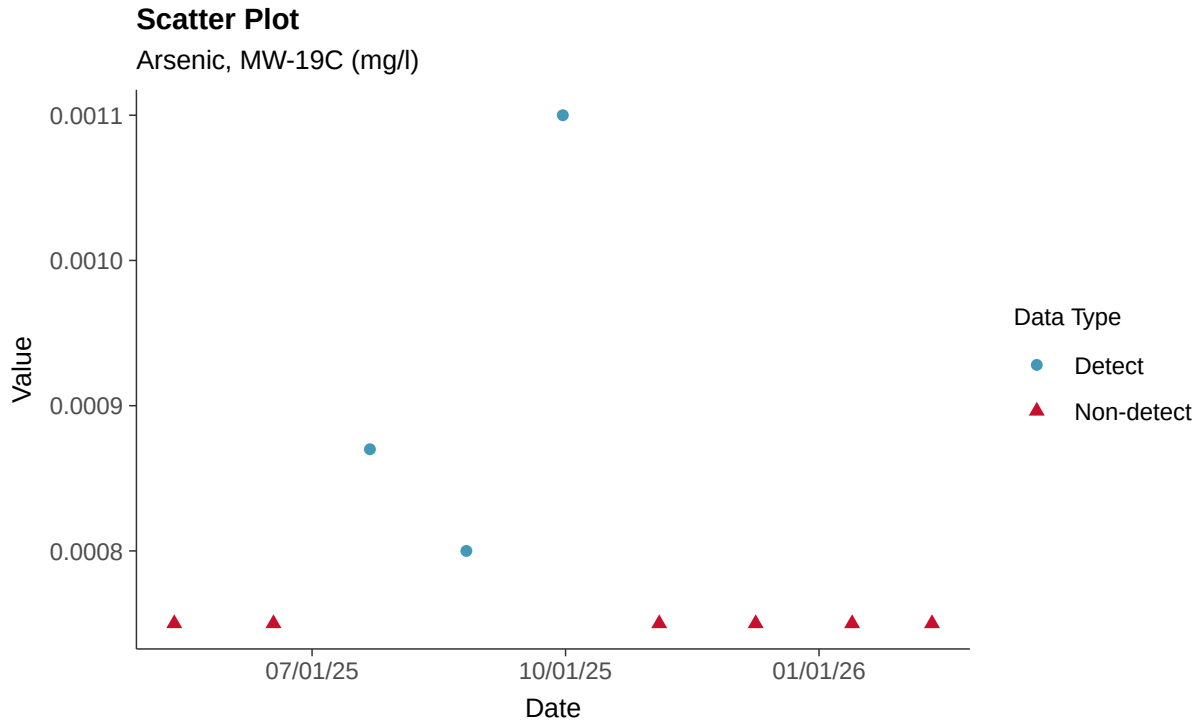
Boxplot by Season

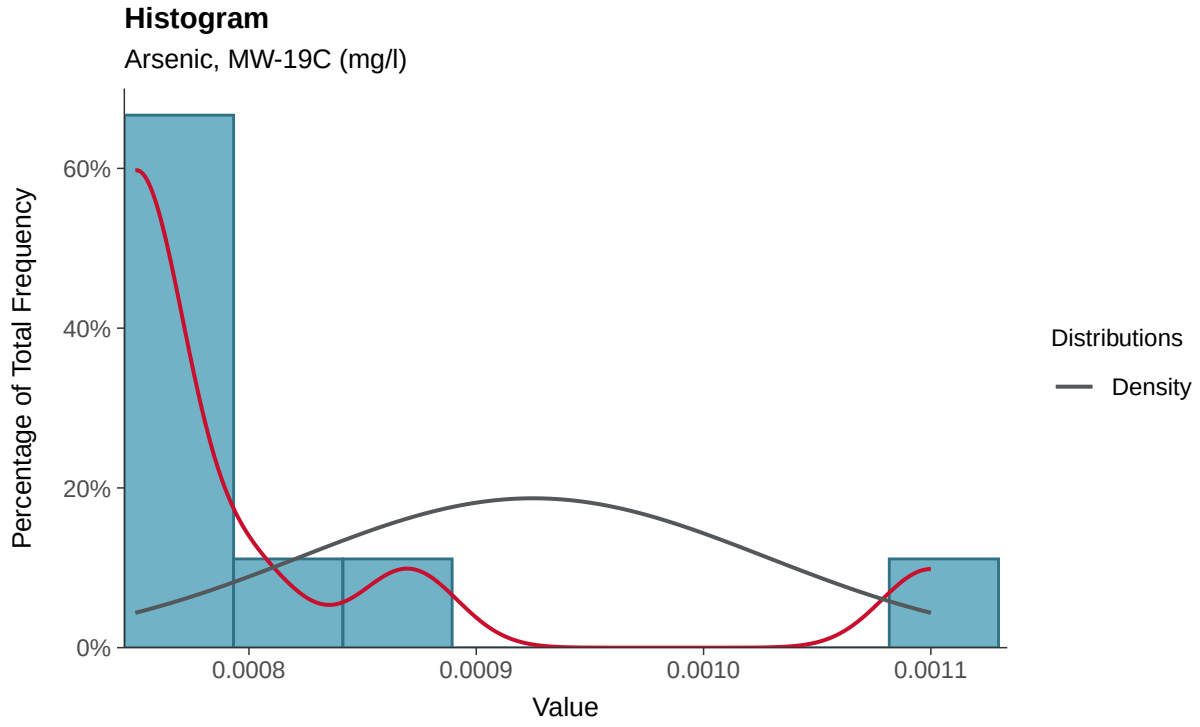
Antimony, MW-19C (mg/l)



Appendix IV: Arsenic, MW-19C

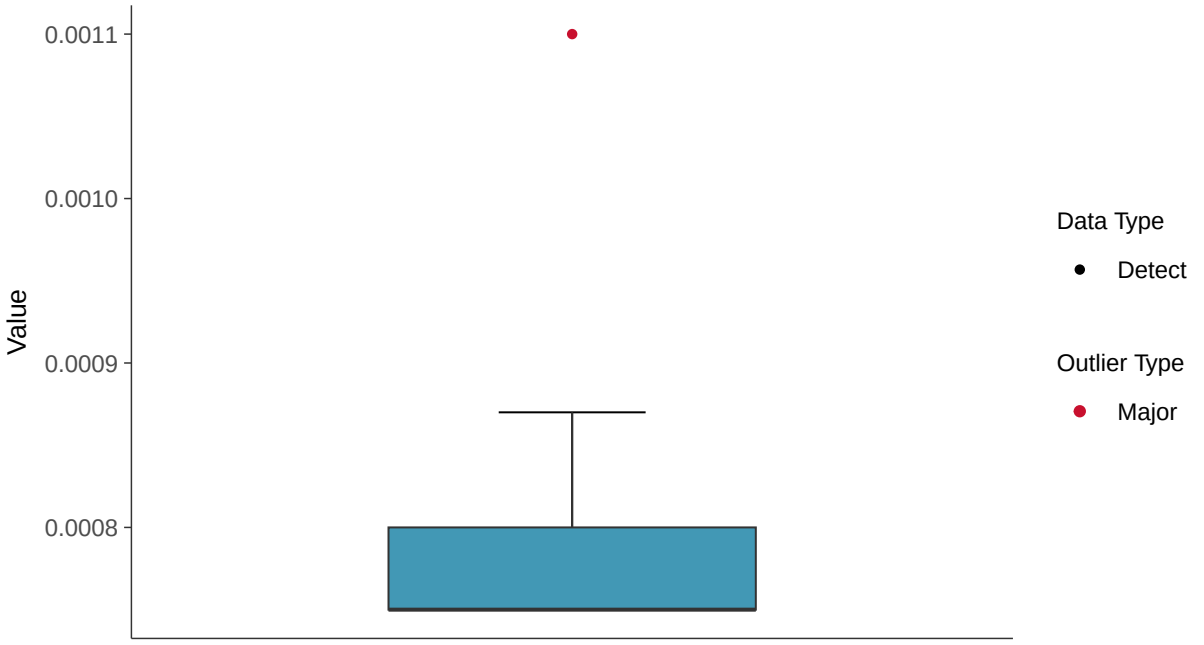
ID: 18_3_102





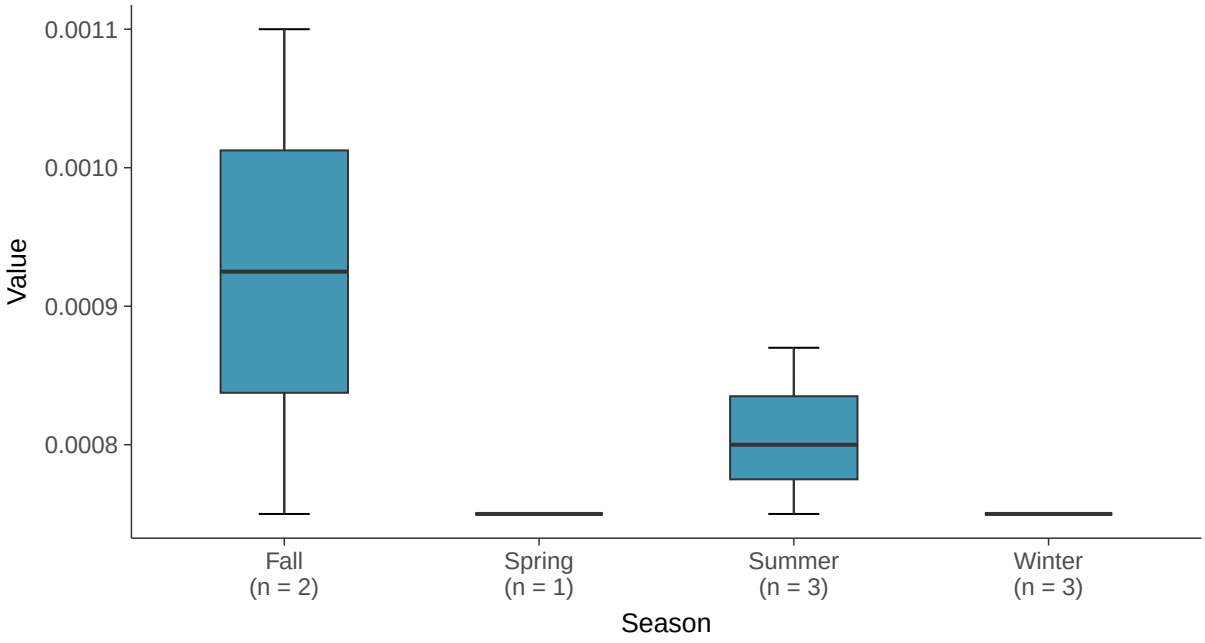
Boxplot

Arsenic, MW-19C (mg/l)



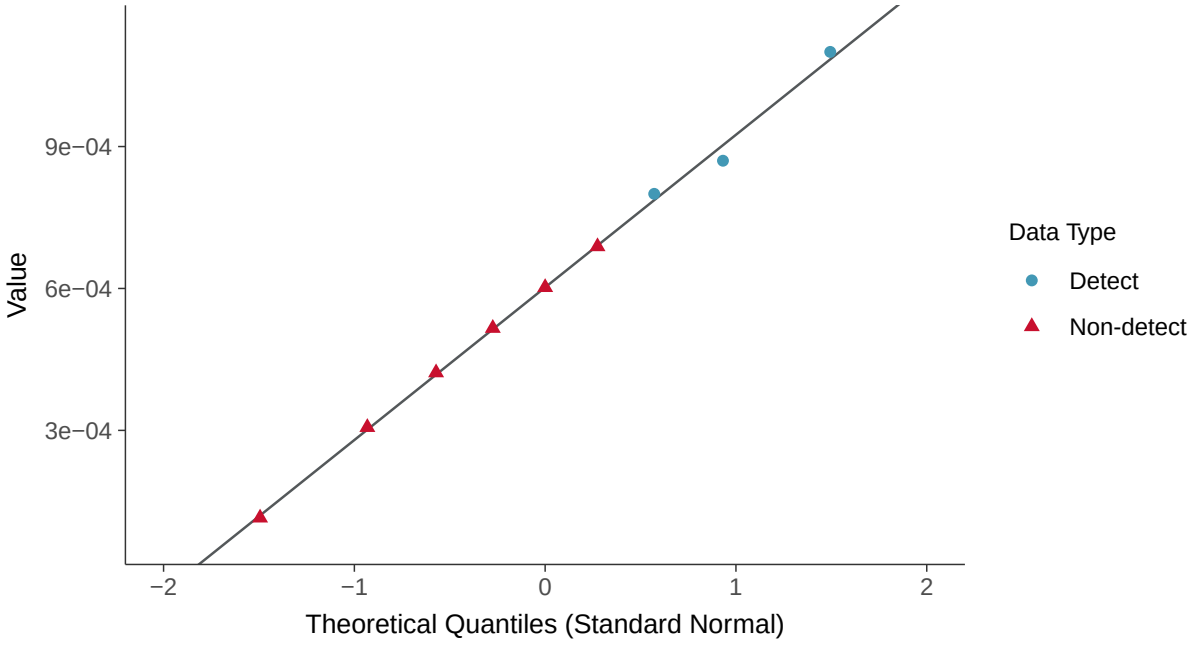
Boxplot by Season

Arsenic, MW-19C (mg/l)



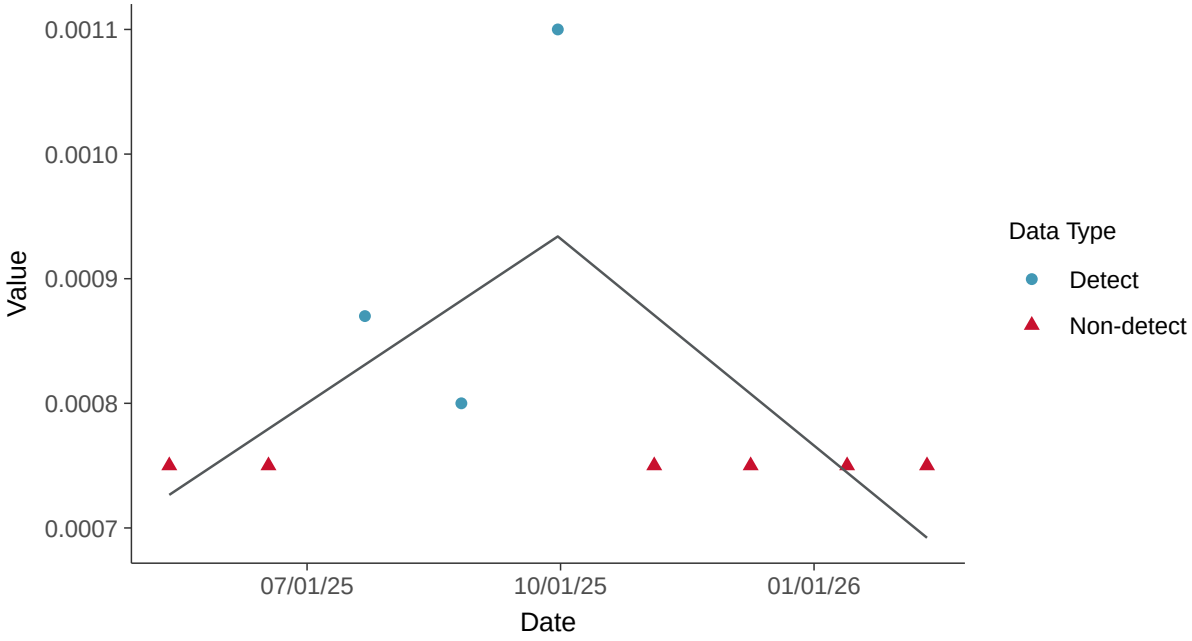
Normal Q-Q plot using ROS Imputed Estimates

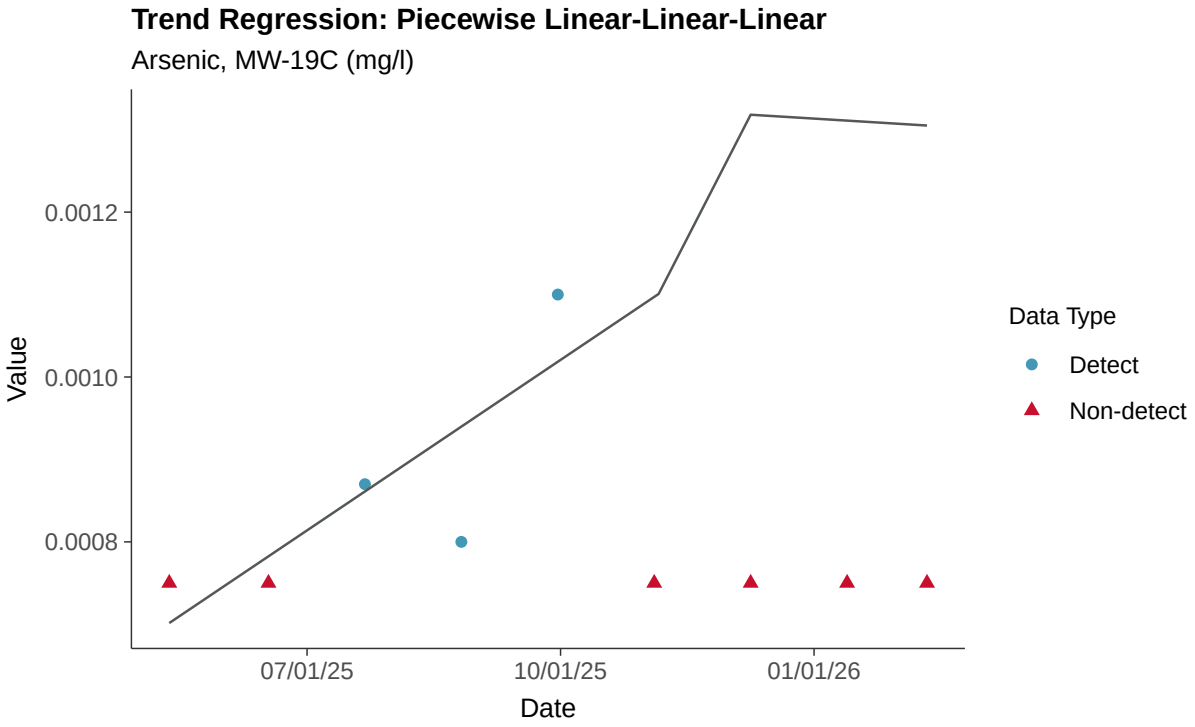
Arsenic, MW-19C (mg/l)



Trend Regression: Piecewise Linear-Linear

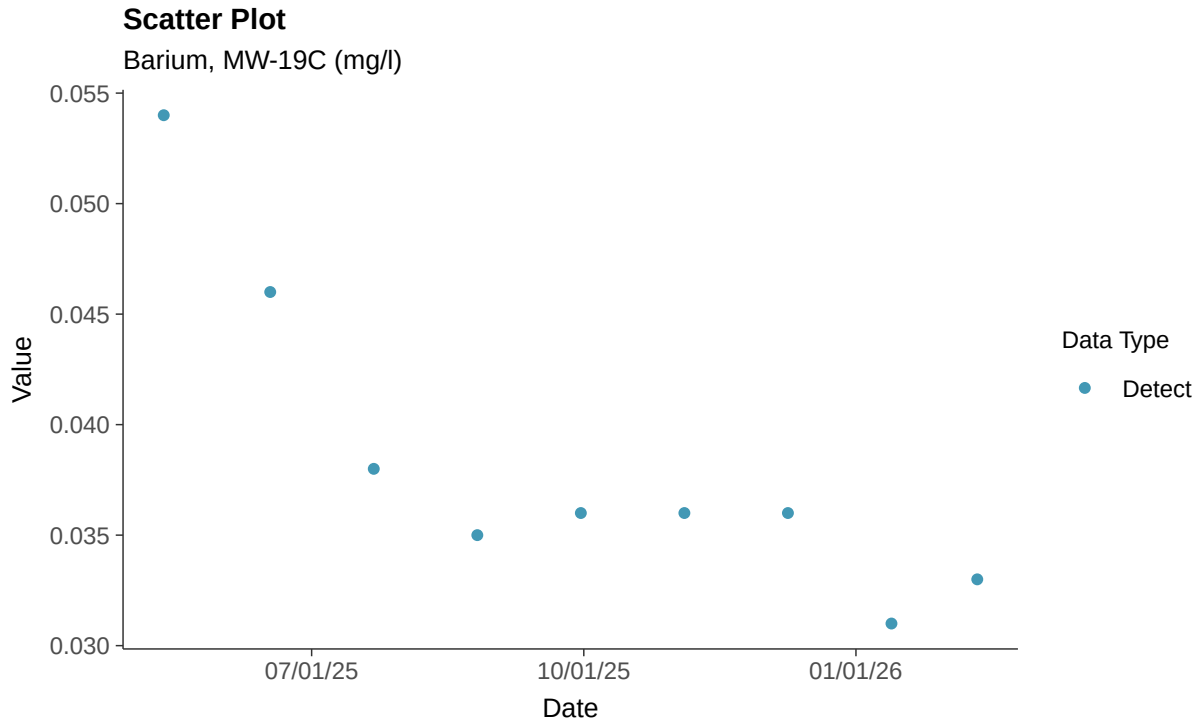
Arsenic, MW-19C (mg/l)

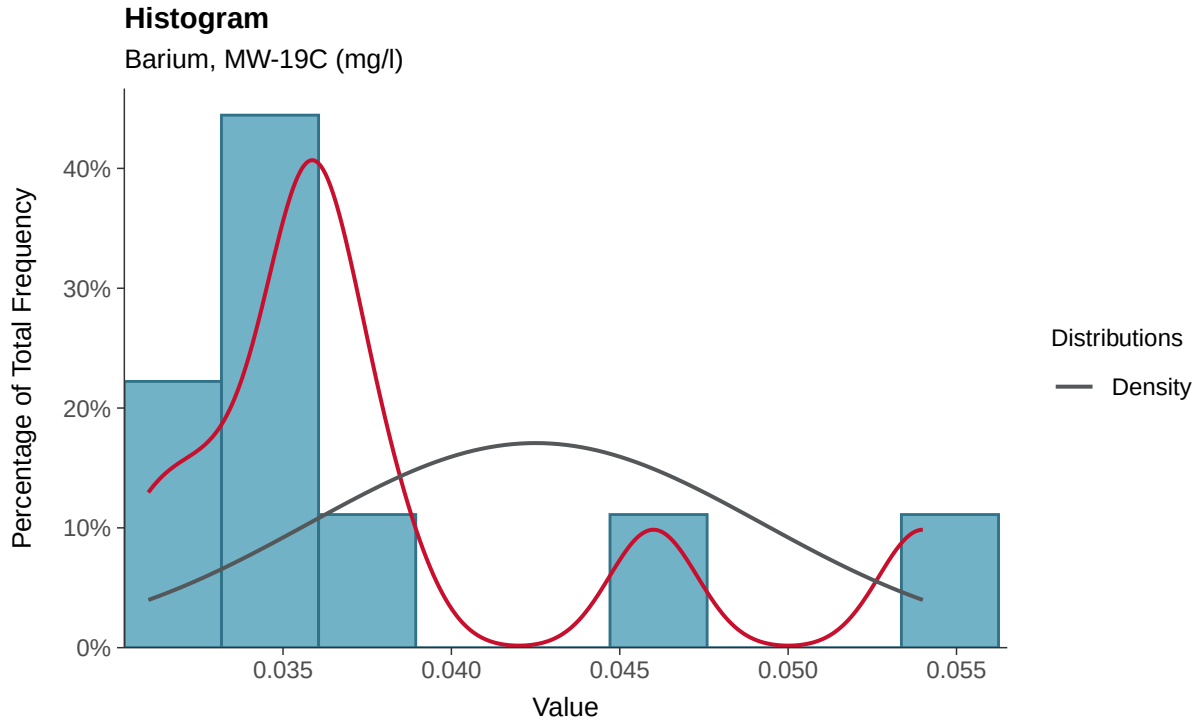



Trend Regression: Piecewise Linear-Linear-Linear
Arsenic, MW-19C (mg/l)
Value
0.0012
0.0010
0.0008
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Barium, MW-19C

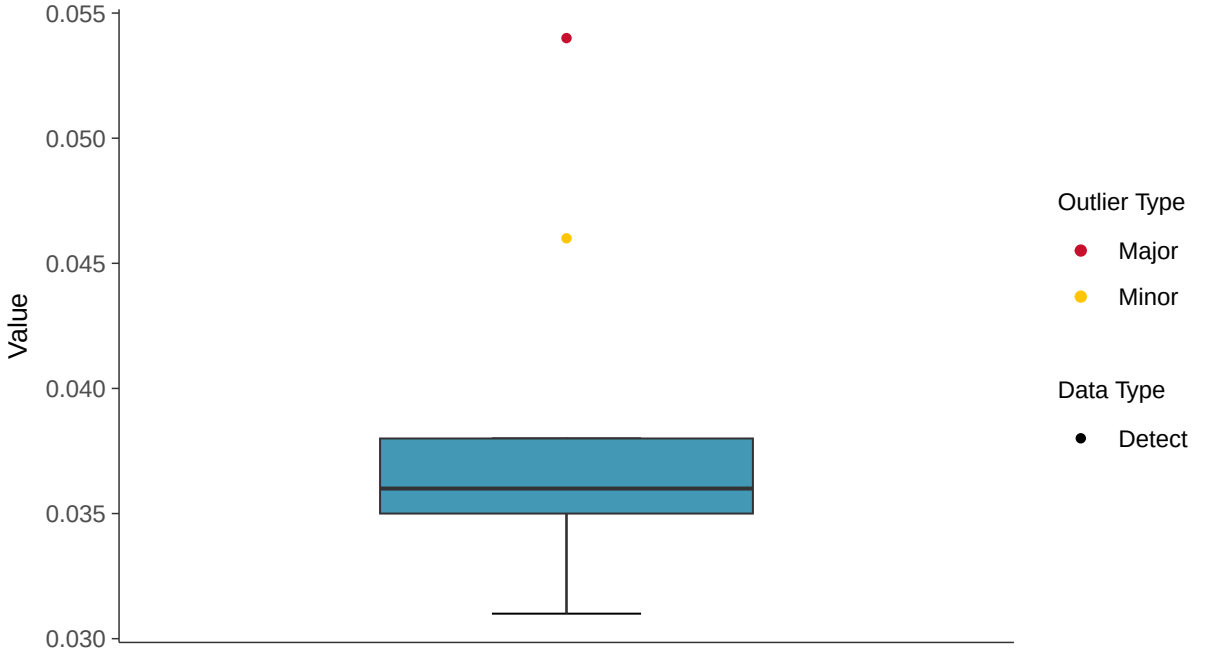
ID: 18_3_103





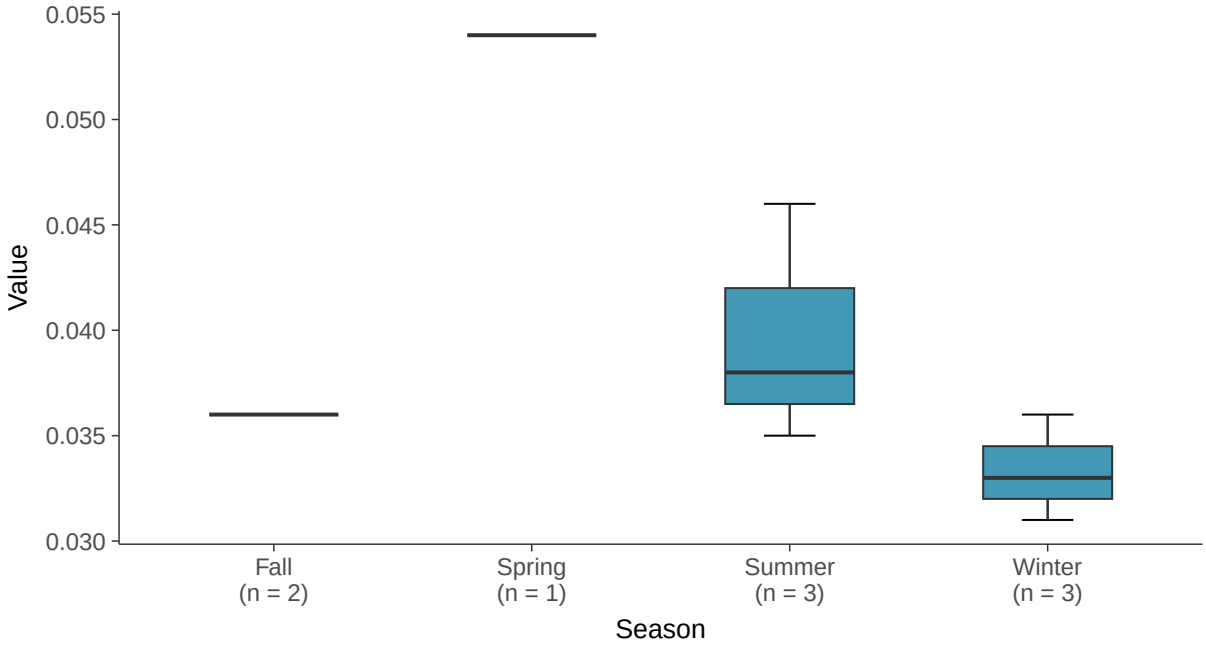
Boxplot

Barium, MW-19C (mg/l)



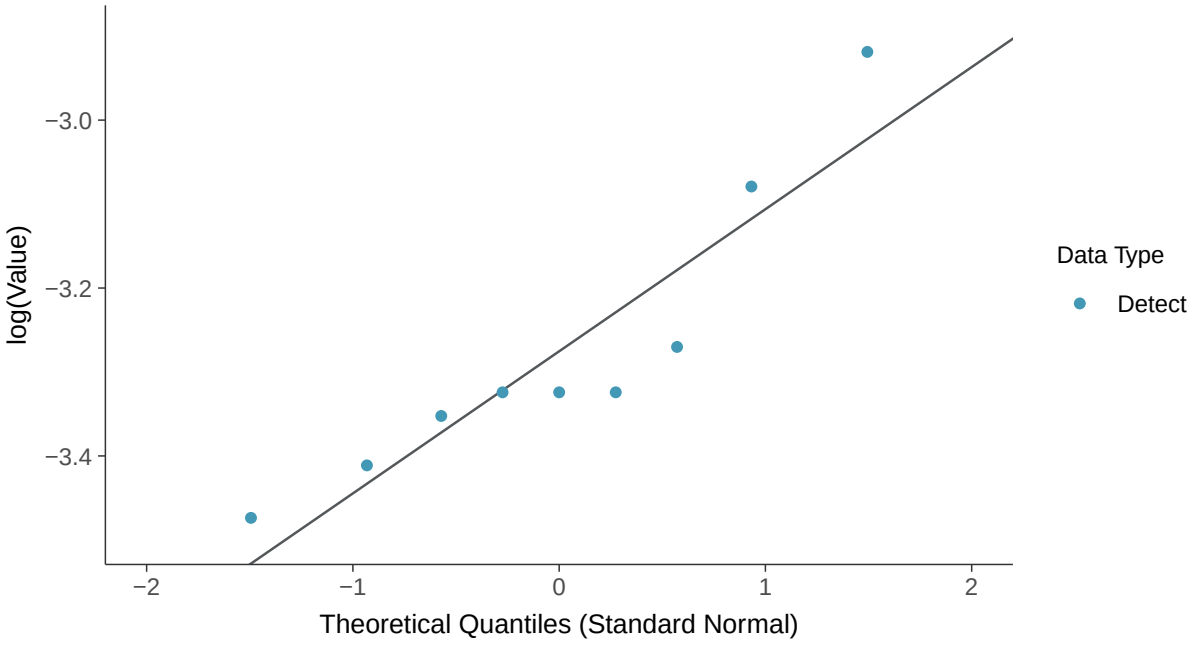
Boxplot by Season

Barium, MW-19C (mg/l)



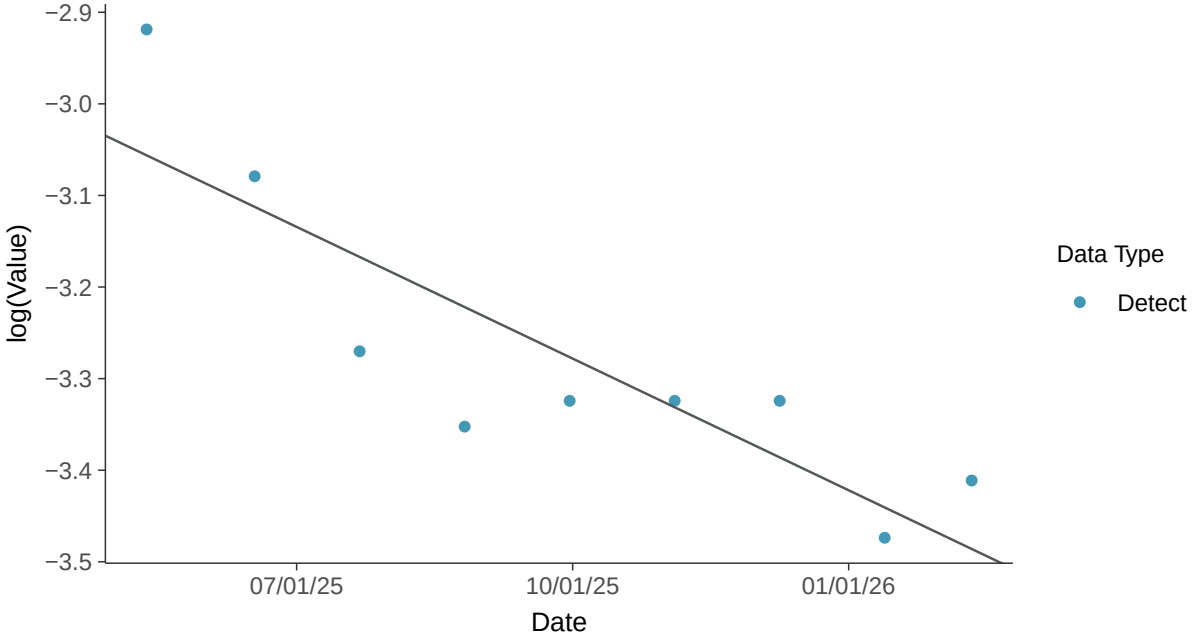
Lognormal Q-Q plot

Barium, MW-19C (mg/l)



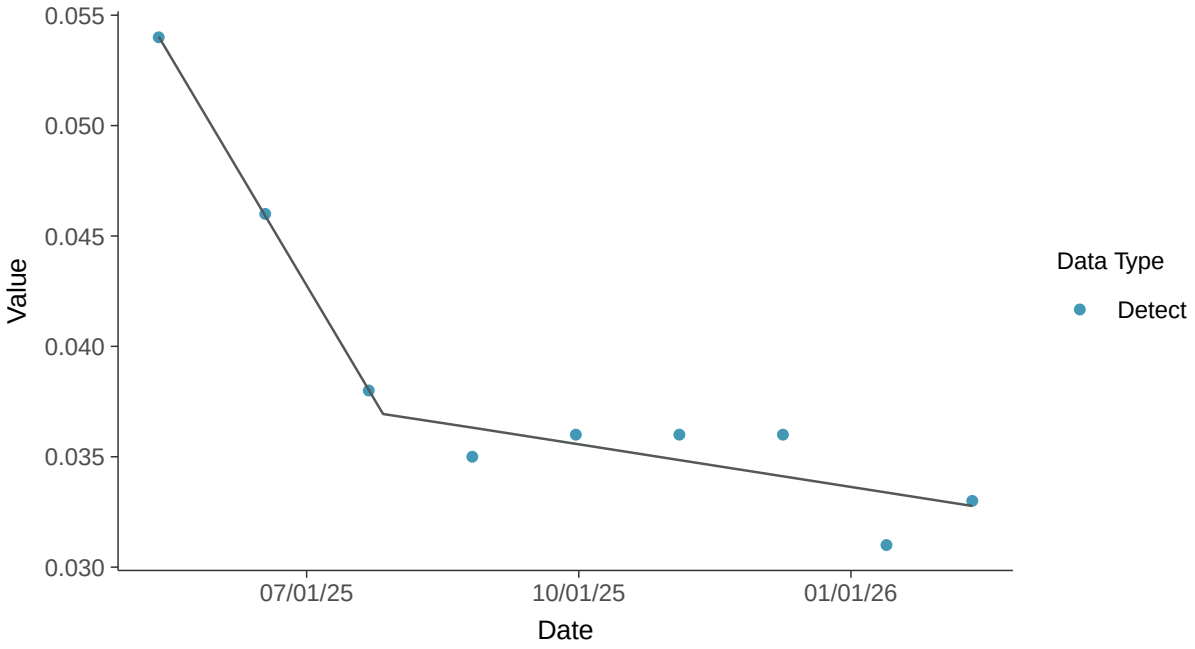
Trend Regression: Lognormal MLE

Barium, MW-19C (mg/l)



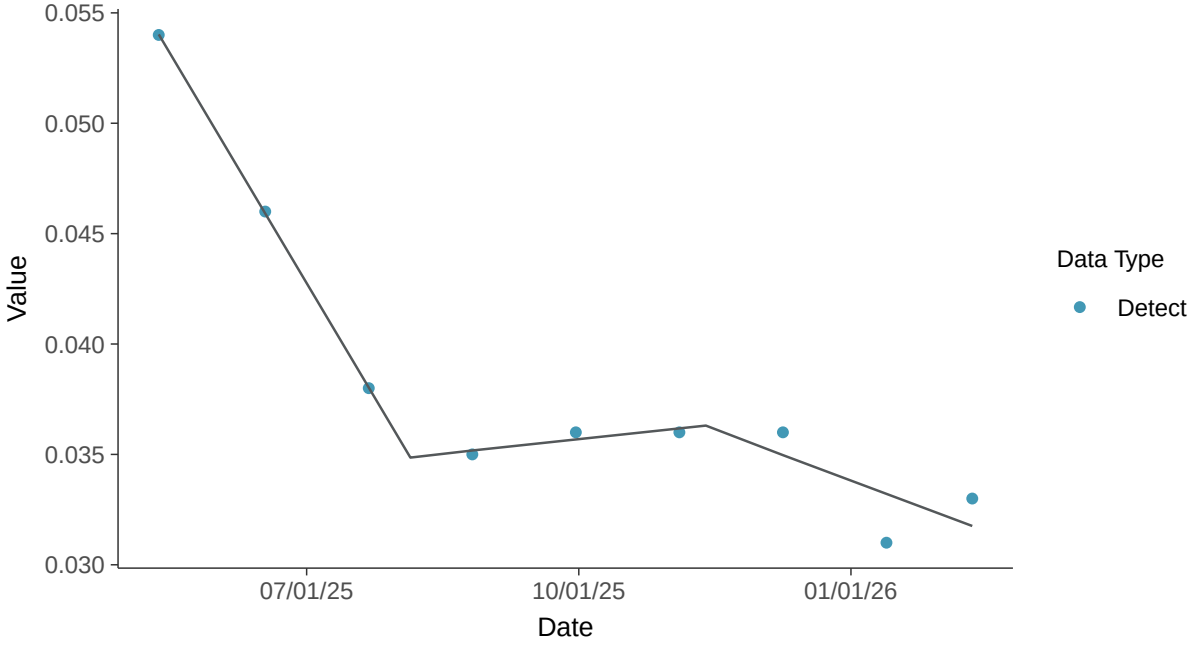
Trend Regression: Piecewise Linear-Linear

Barium, MW-19C (mg/l)



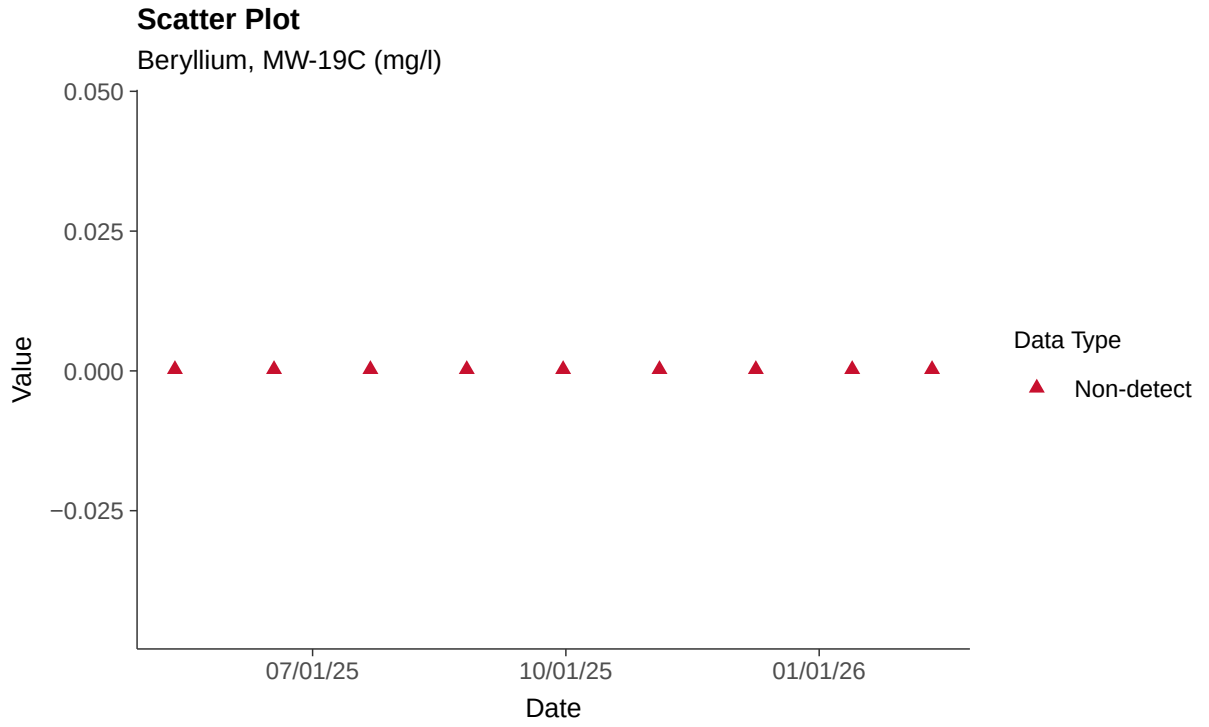
Trend Regression: Piecewise Linear-Linear-Linear

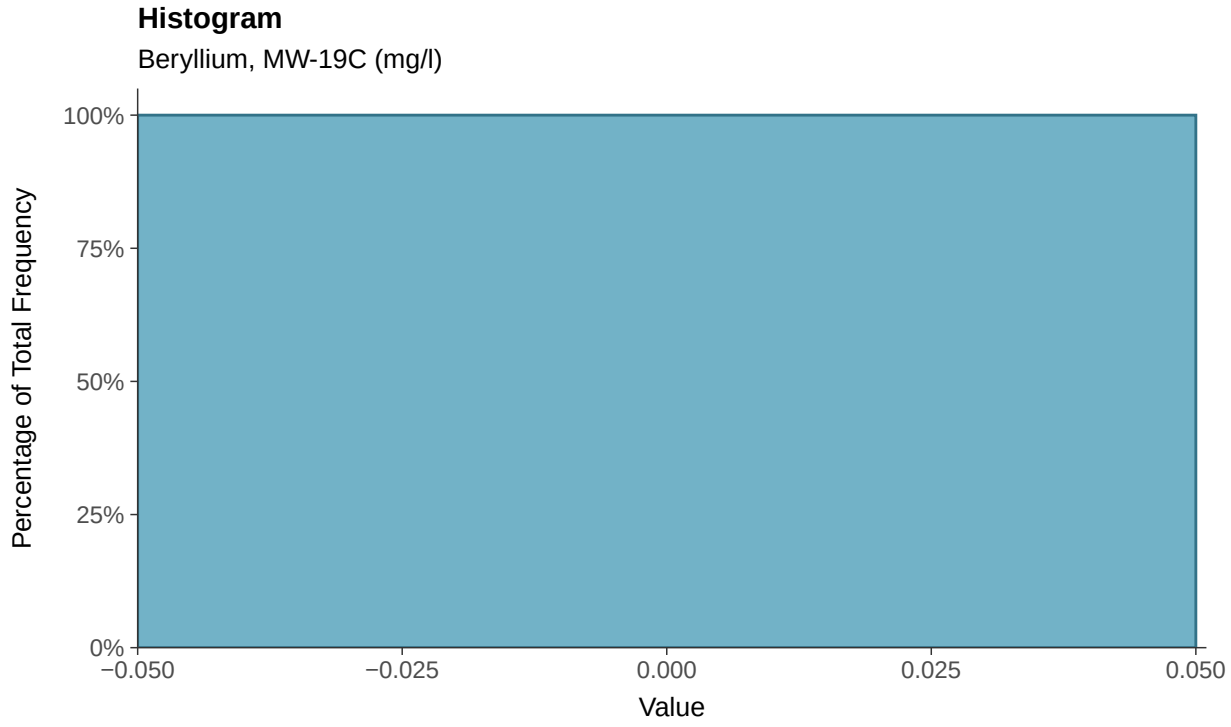
Barium, MW-19C (mg/l)



Appendix IV: Beryllium, MW-19C

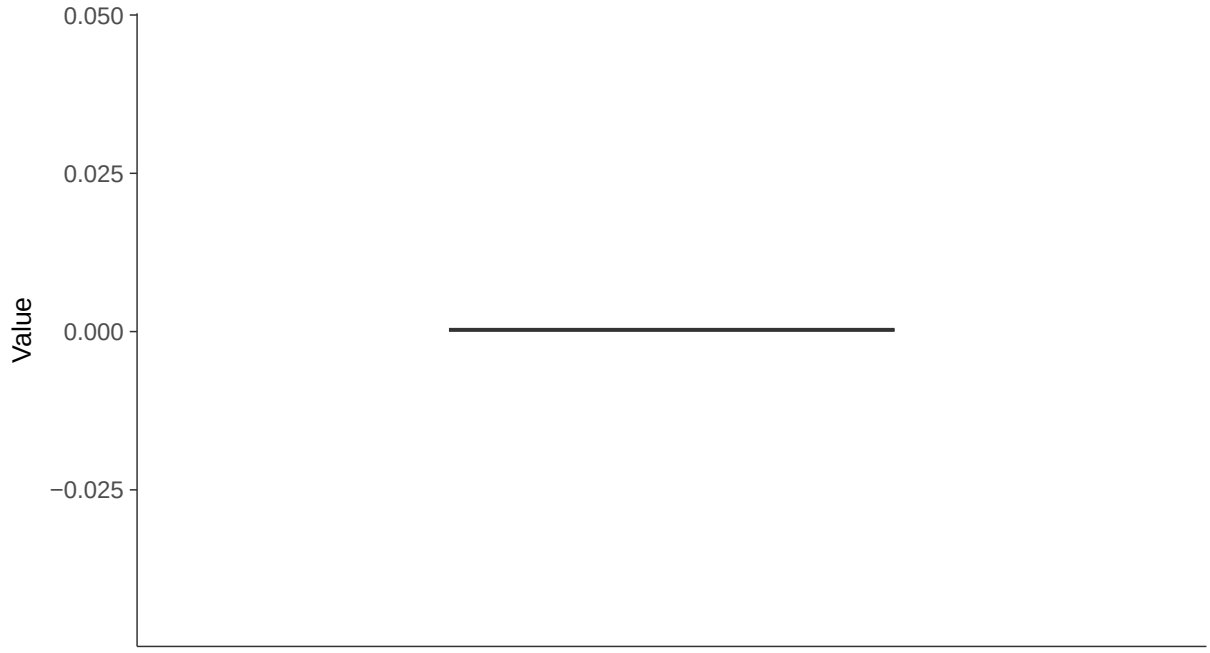
ID: 18_3_104





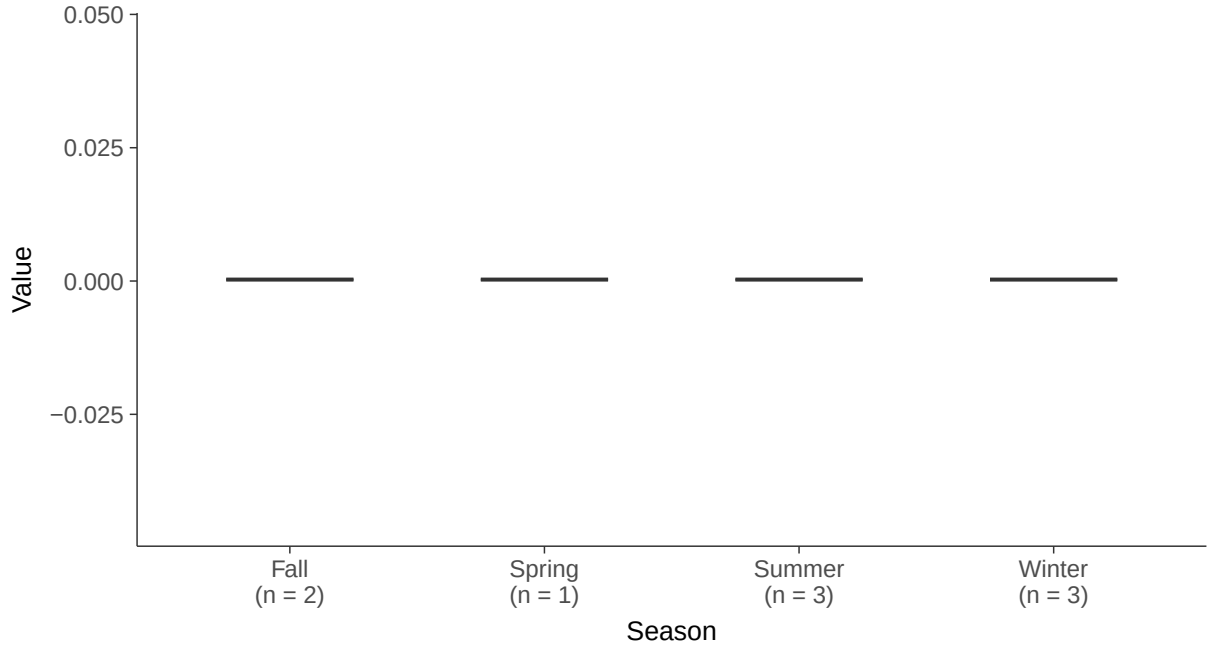
Boxplot

Beryllium, MW-19C (mg/l)



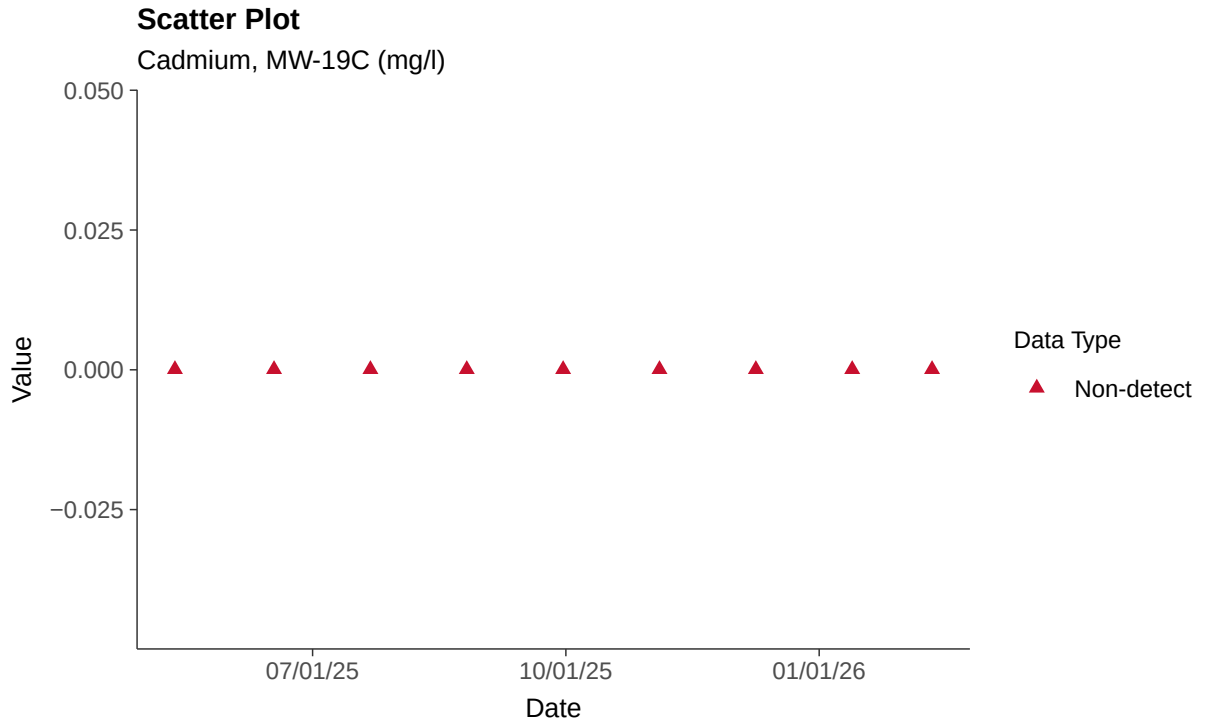
Boxplot by Season

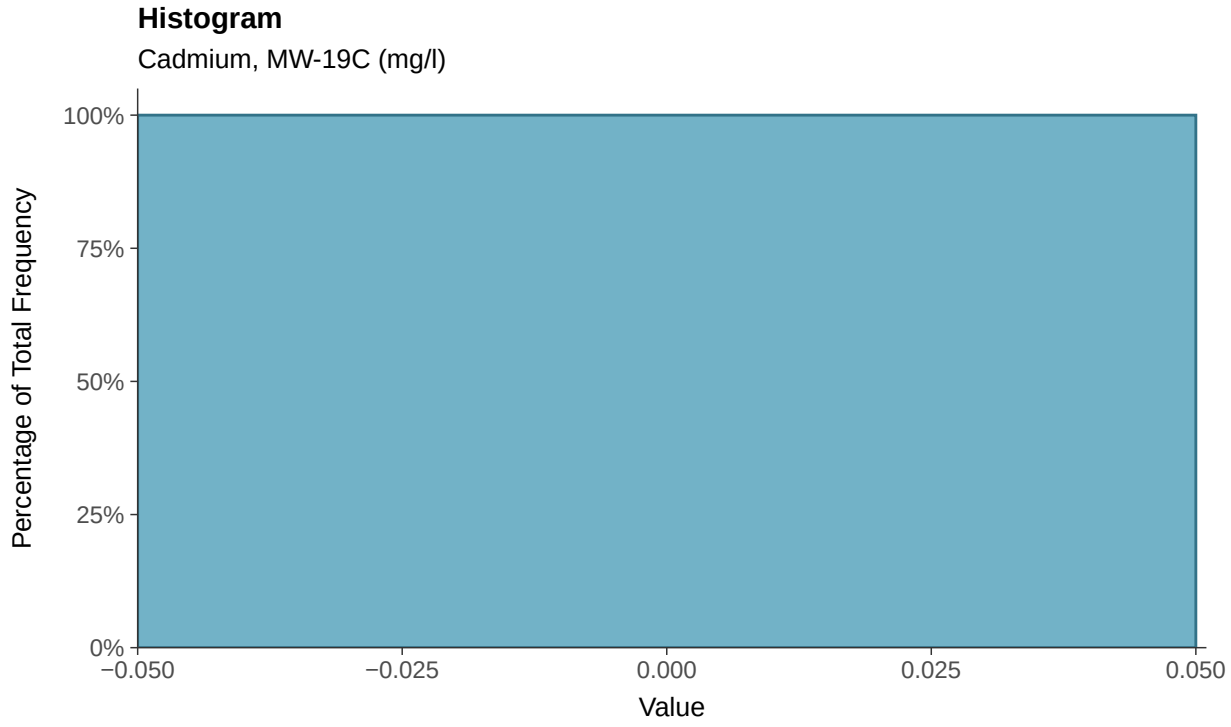
Beryllium, MW-19C (mg/l)



Appendix IV: Cadmium, MW-19C

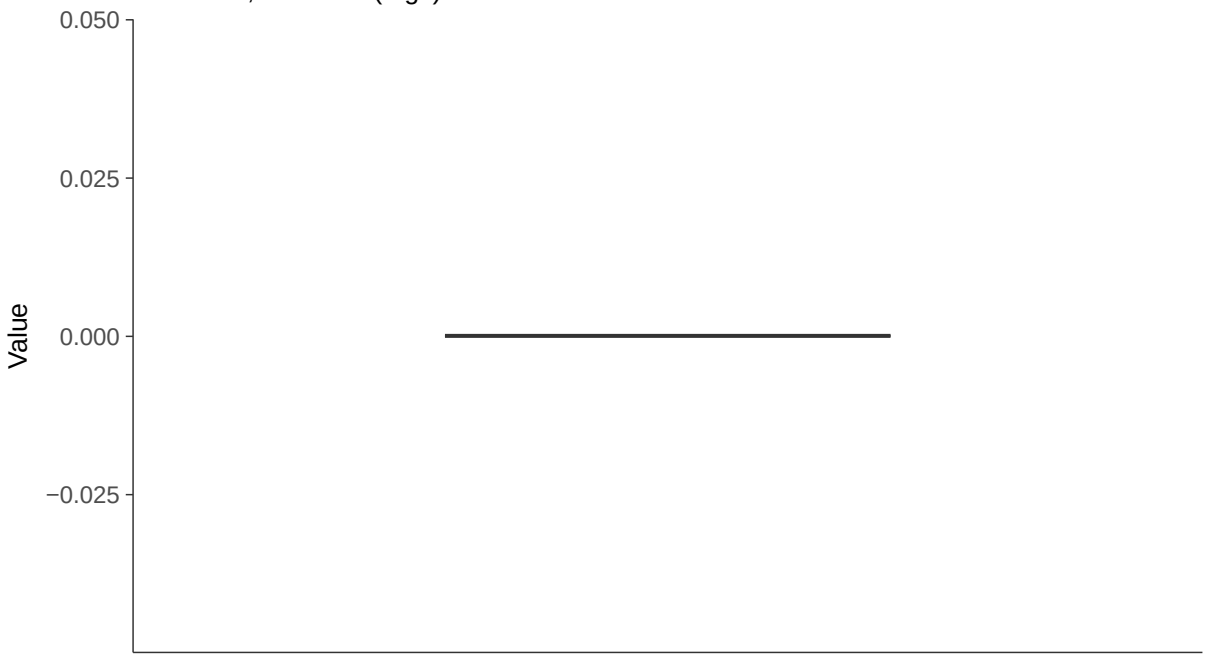
ID: 18_3_106





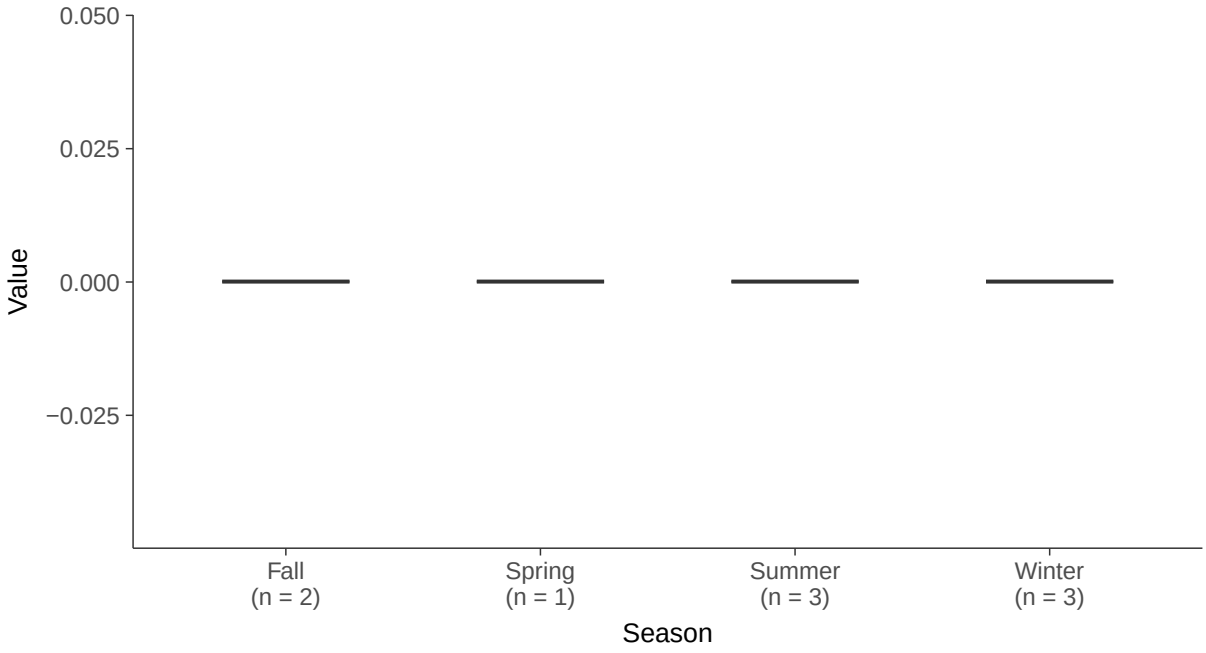
Boxplot

Cadmium, MW-19C (mg/l)



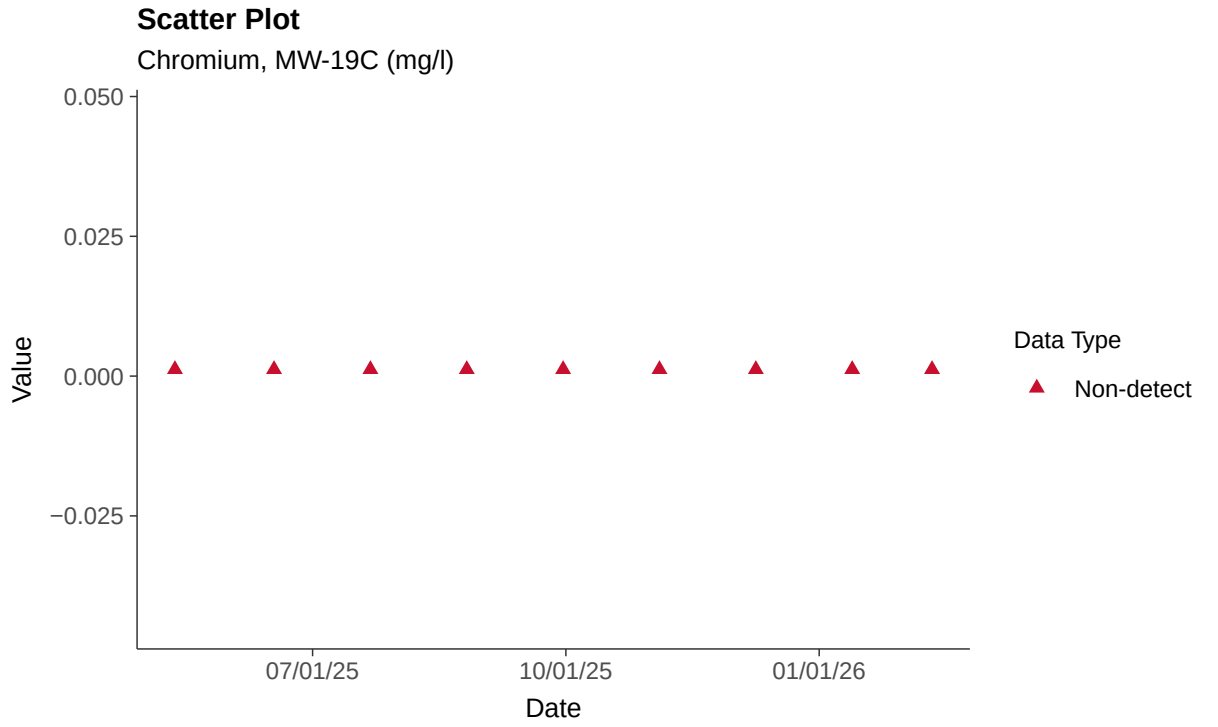
Boxplot by Season

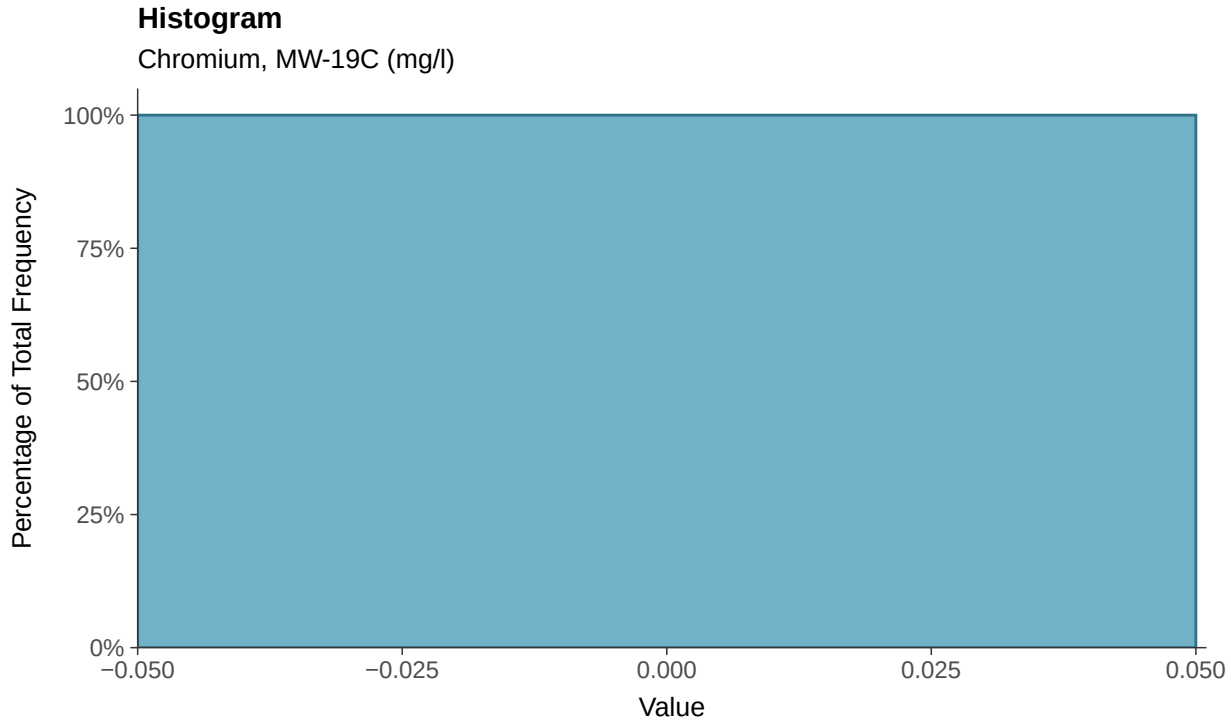
Cadmium, MW-19C (mg/l)



Appendix IV: Chromium, MW-19C

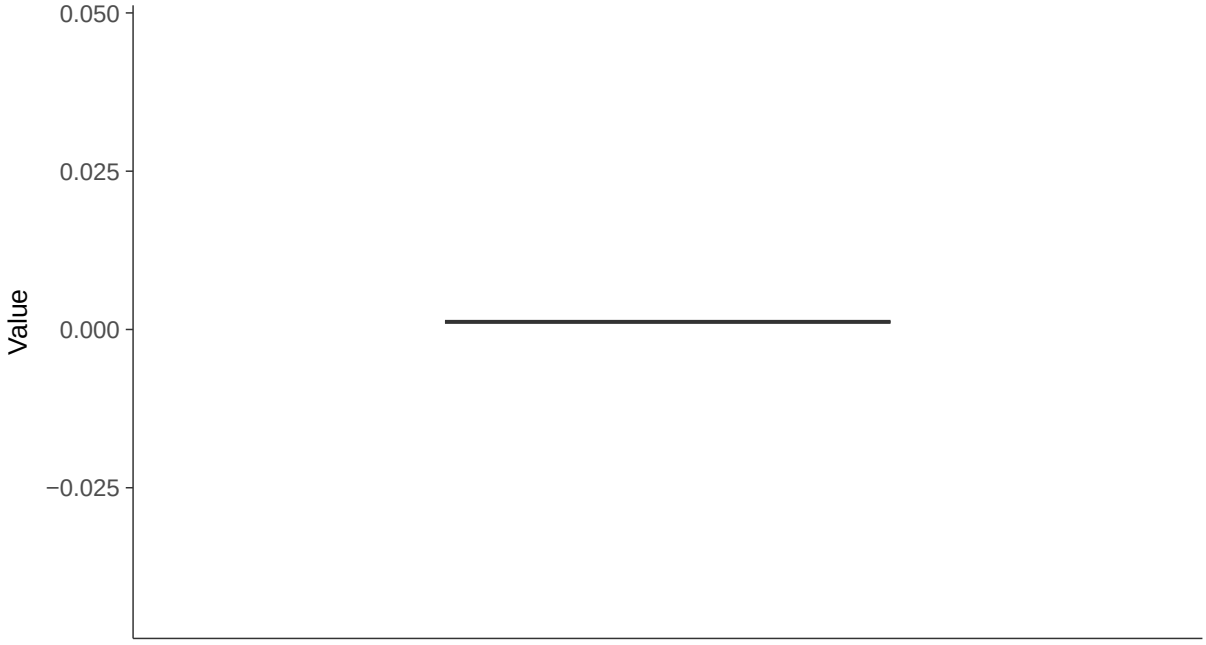
ID: 18_3_109





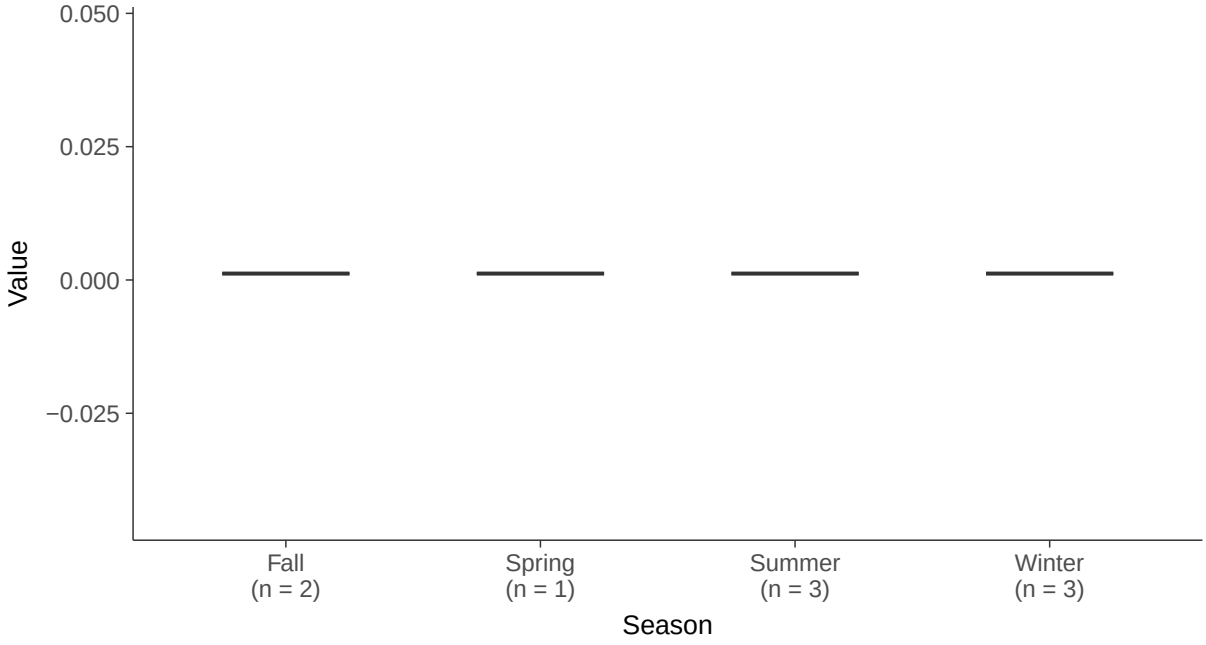
Boxplot

Chromium, MW-19C (mg/l)



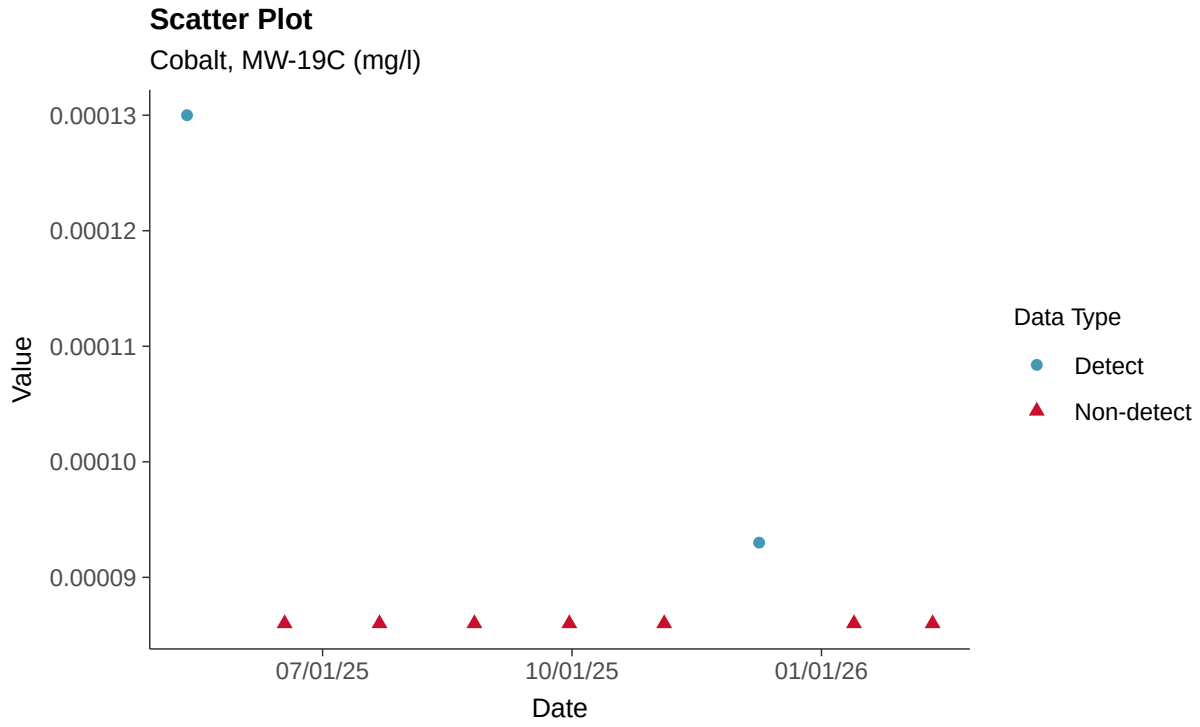
Boxplot by Season

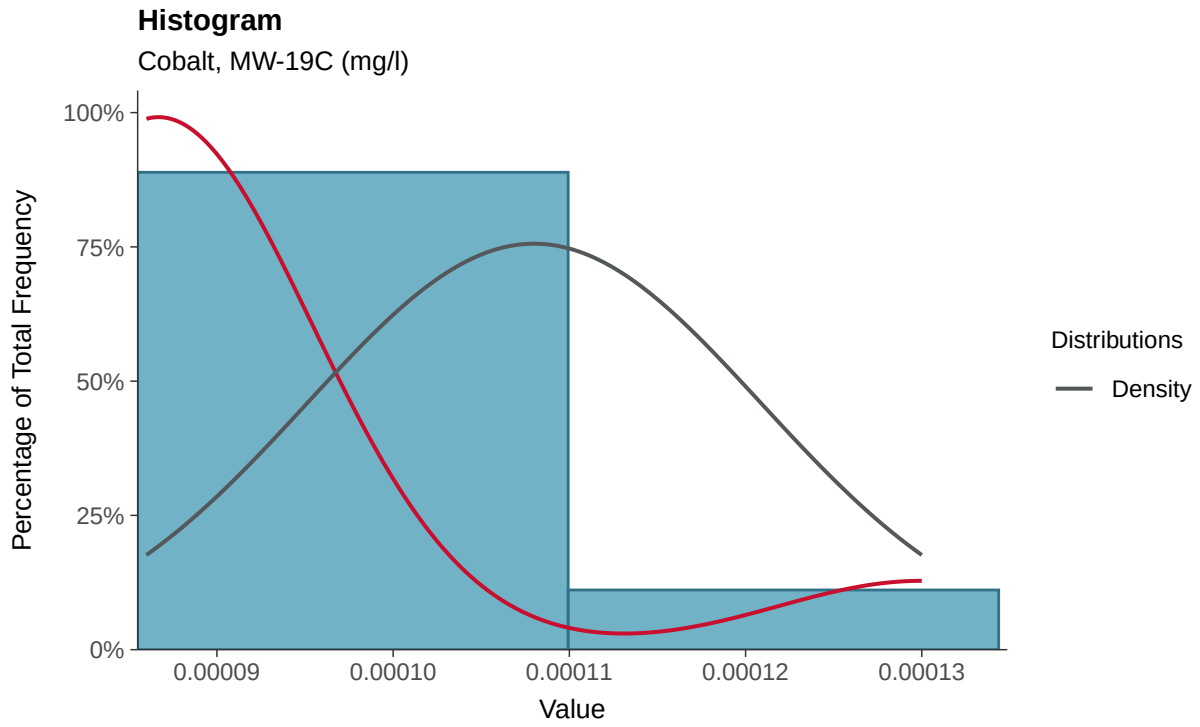
Chromium, MW-19C (mg/l)



Appendix IV: Cobalt, MW-19C

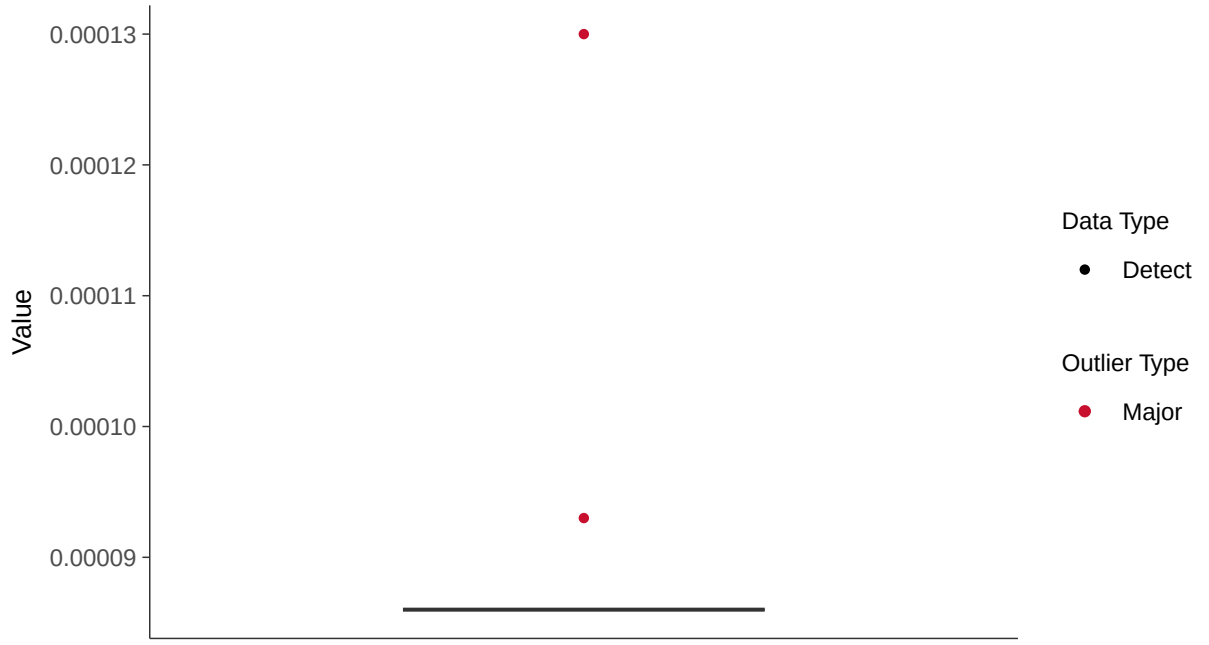
ID: 18_3_110





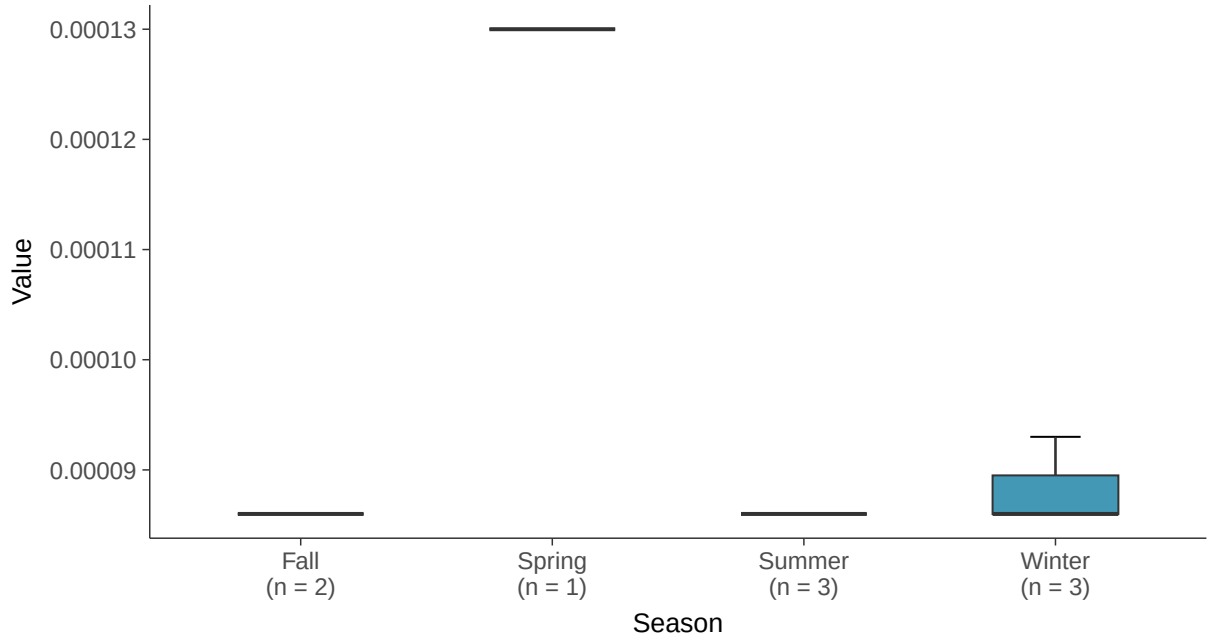
Boxplot

Cobalt, MW-19C (mg/l)



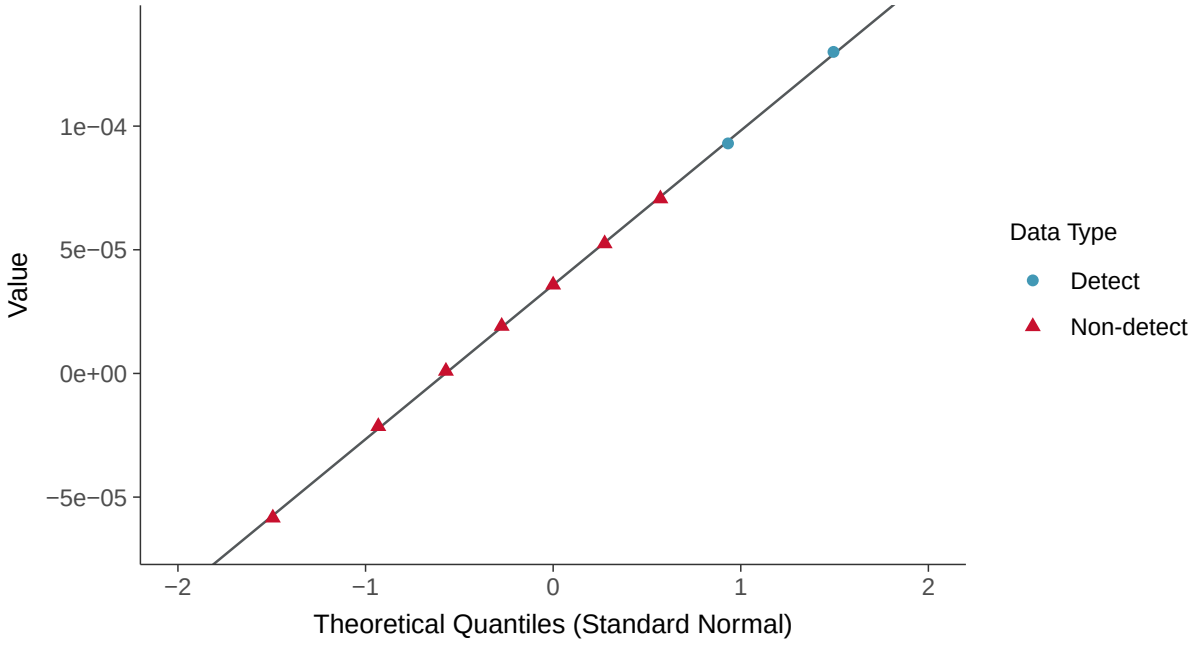
Boxplot by Season

Cobalt, MW-19C (mg/l)



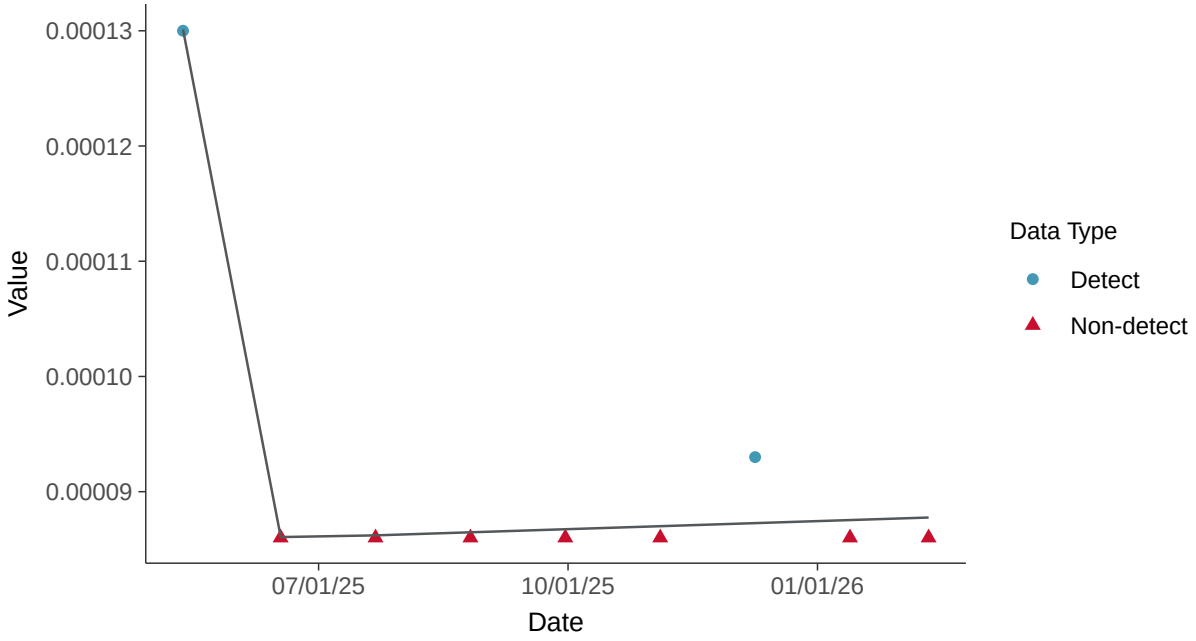
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-19C (mg/l)



Trend Regression: Piecewise Linear-Linear

Cobalt, MW-19C (mg/l)

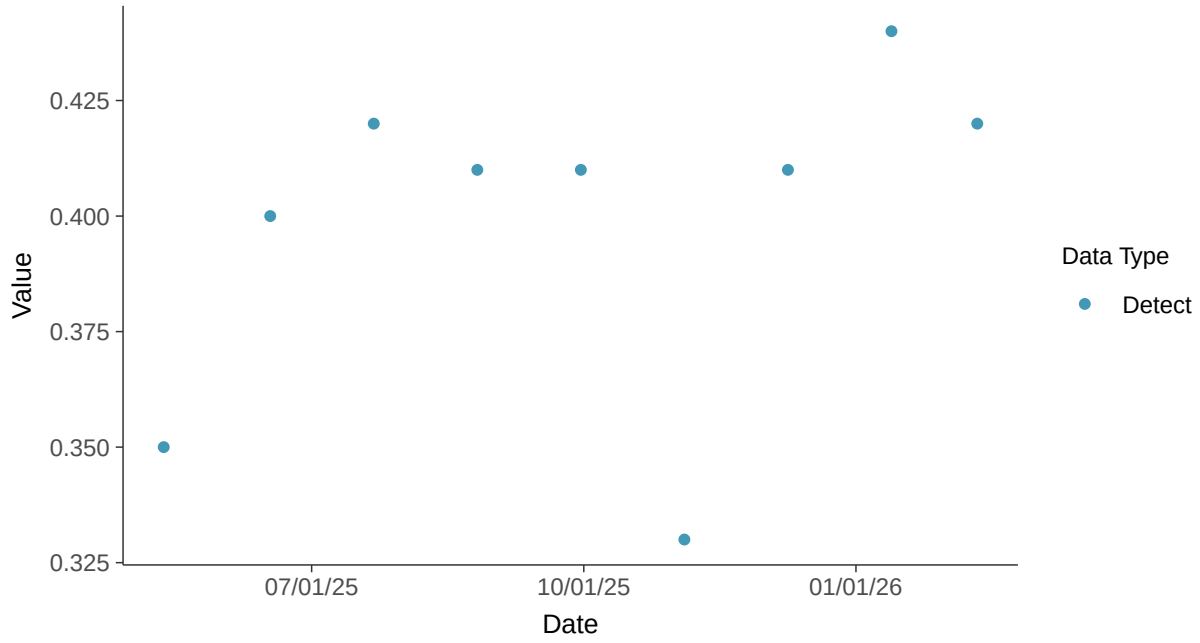


Appendix IV: Fluoride (App IV), MW-19C

ID: 18_3_113

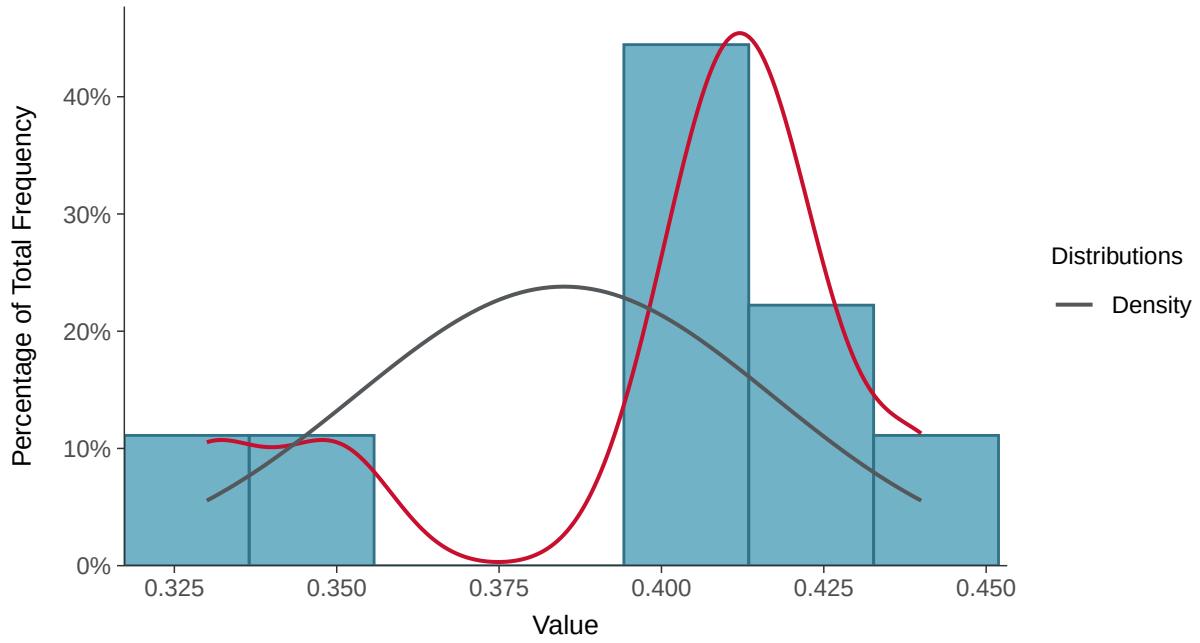
Scatter Plot

Fluoride (App IV), MW-19C (mg/l)



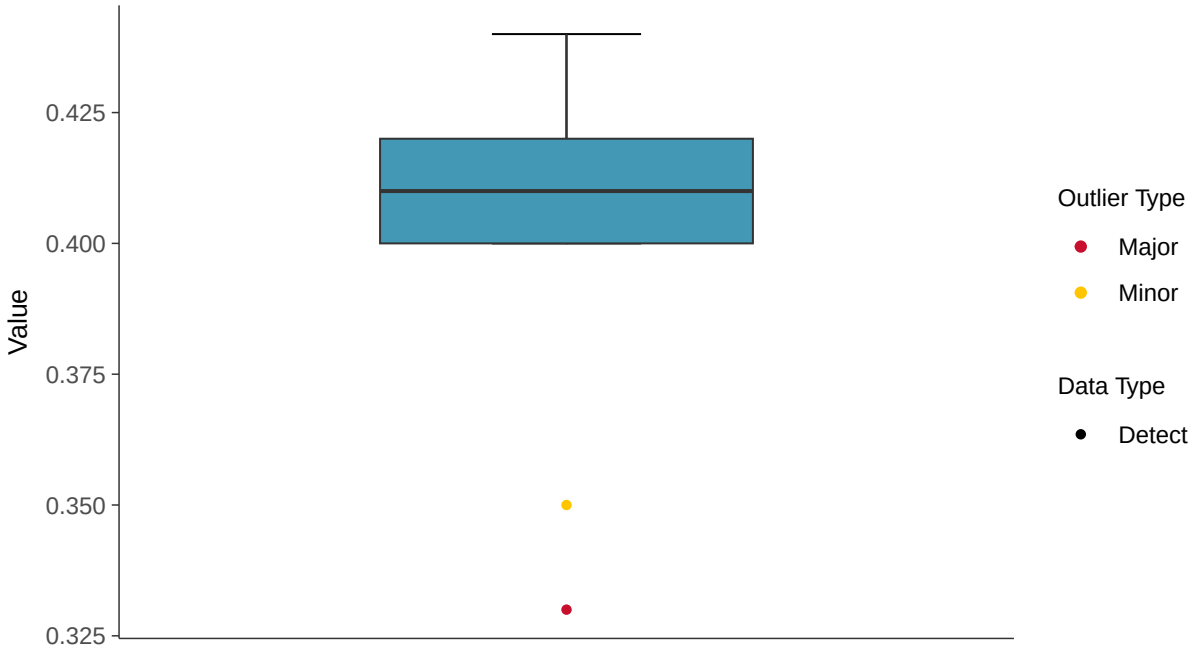
Histogram

Fluoride (App IV), MW-19C (mg/l)



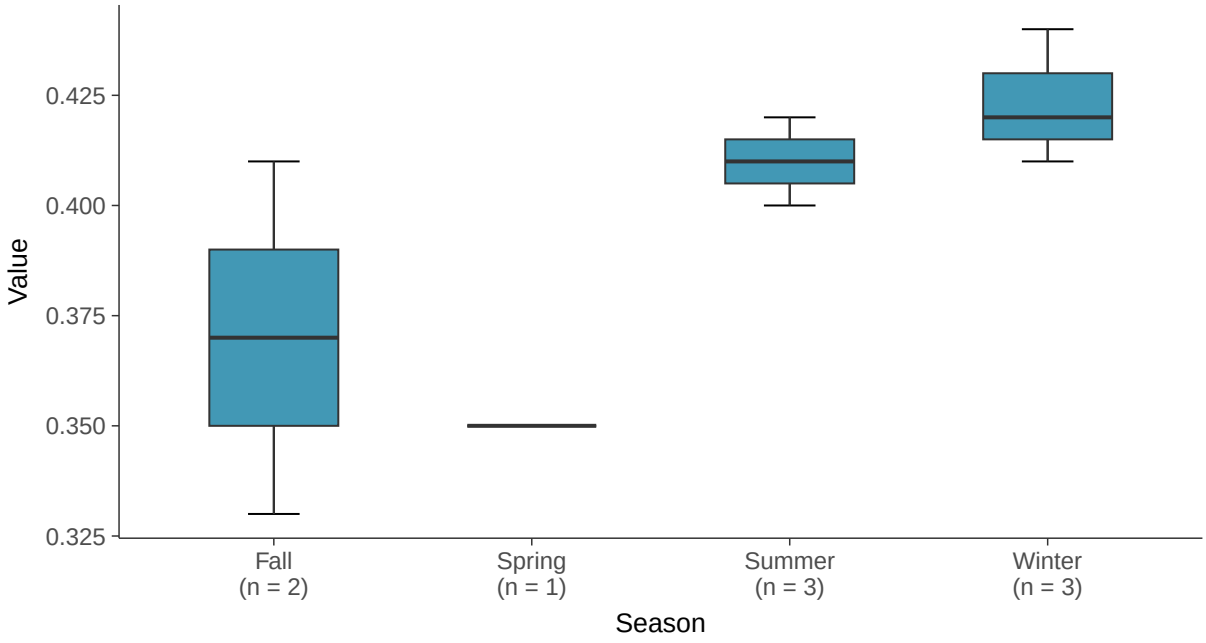
Boxplot

Fluoride (App IV), MW-19C (mg/l)



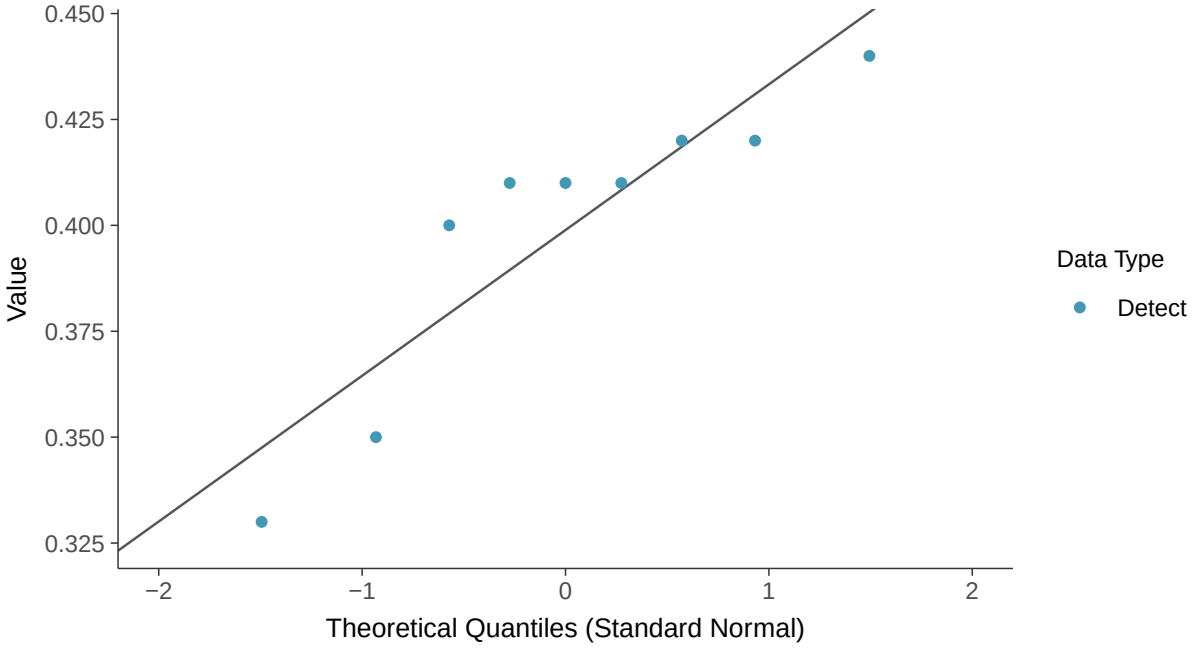
Boxplot by Season

Fluoride (App IV), MW-19C (mg/l)



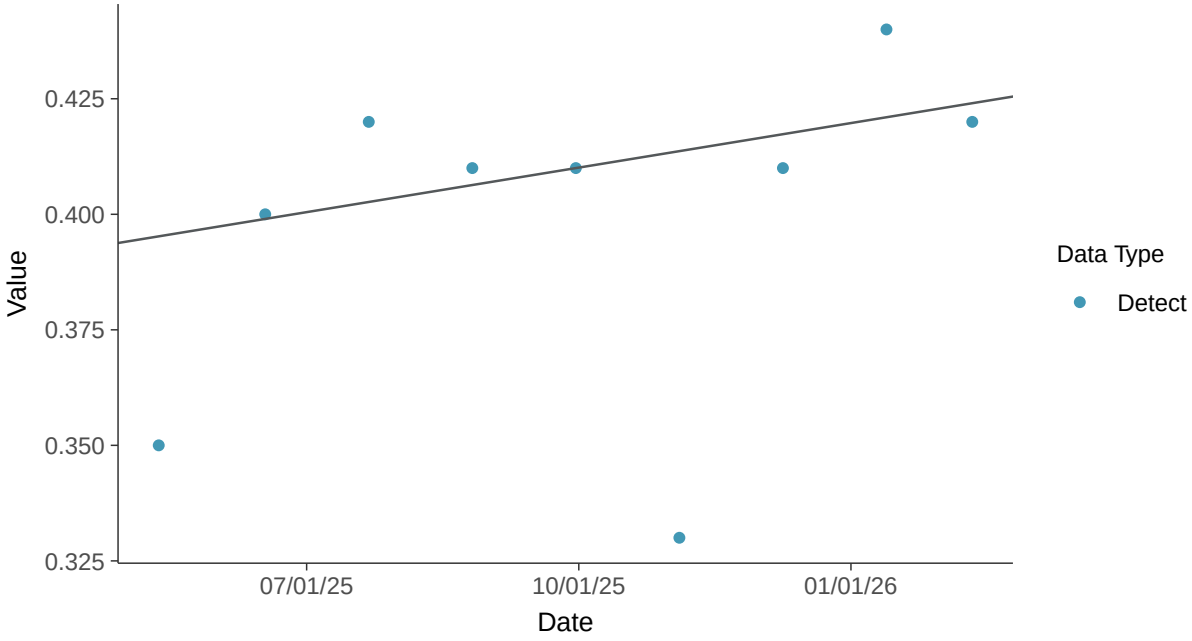
Normal Q-Q plot

Fluoride (App IV), MW-19C (mg/l)



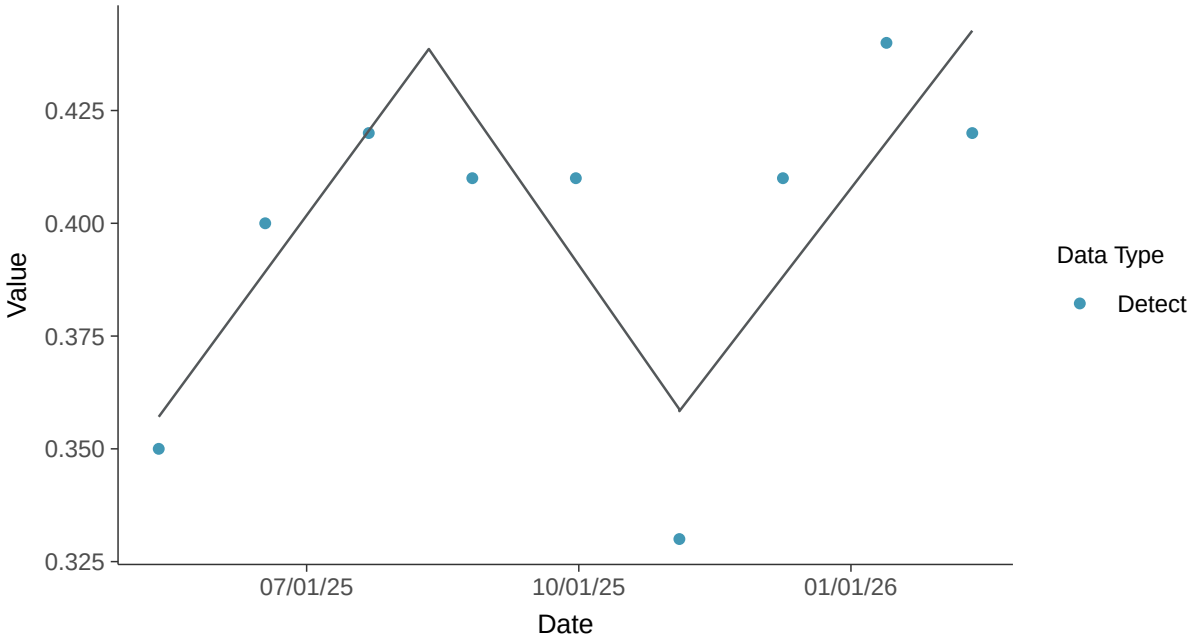
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride (App IV), MW-19C (mg/l)



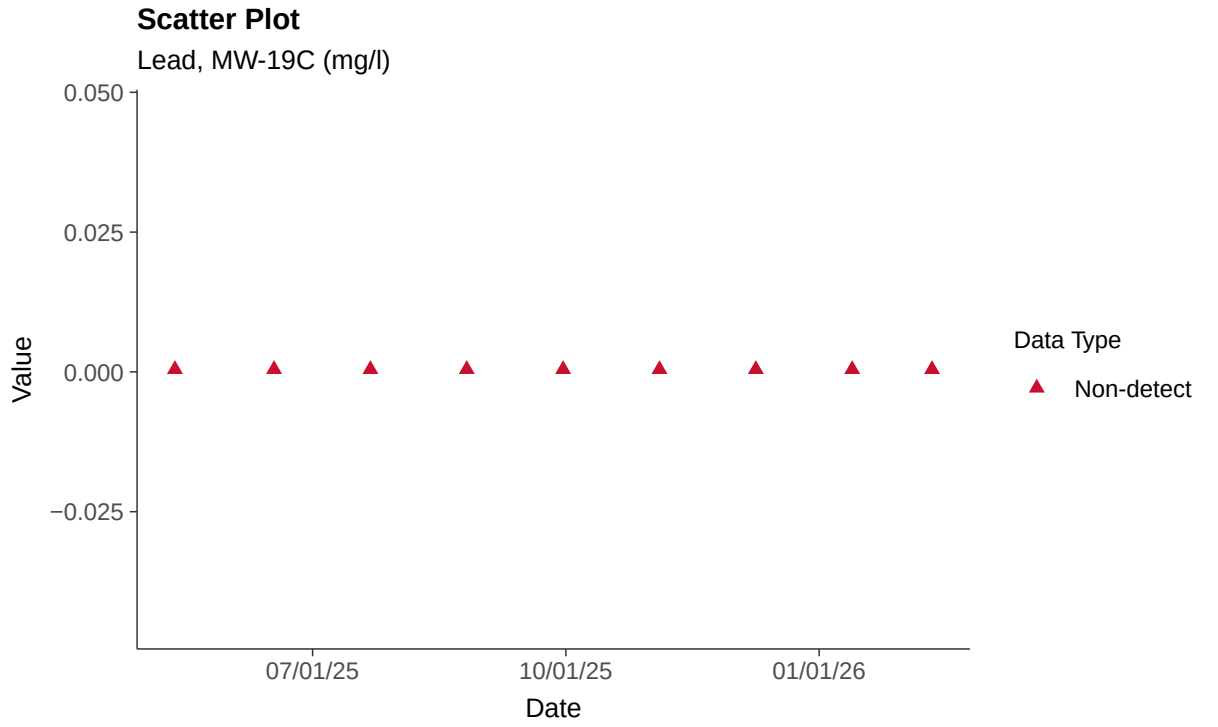
Trend Regression: Piecewise Linear-Linear-Linear

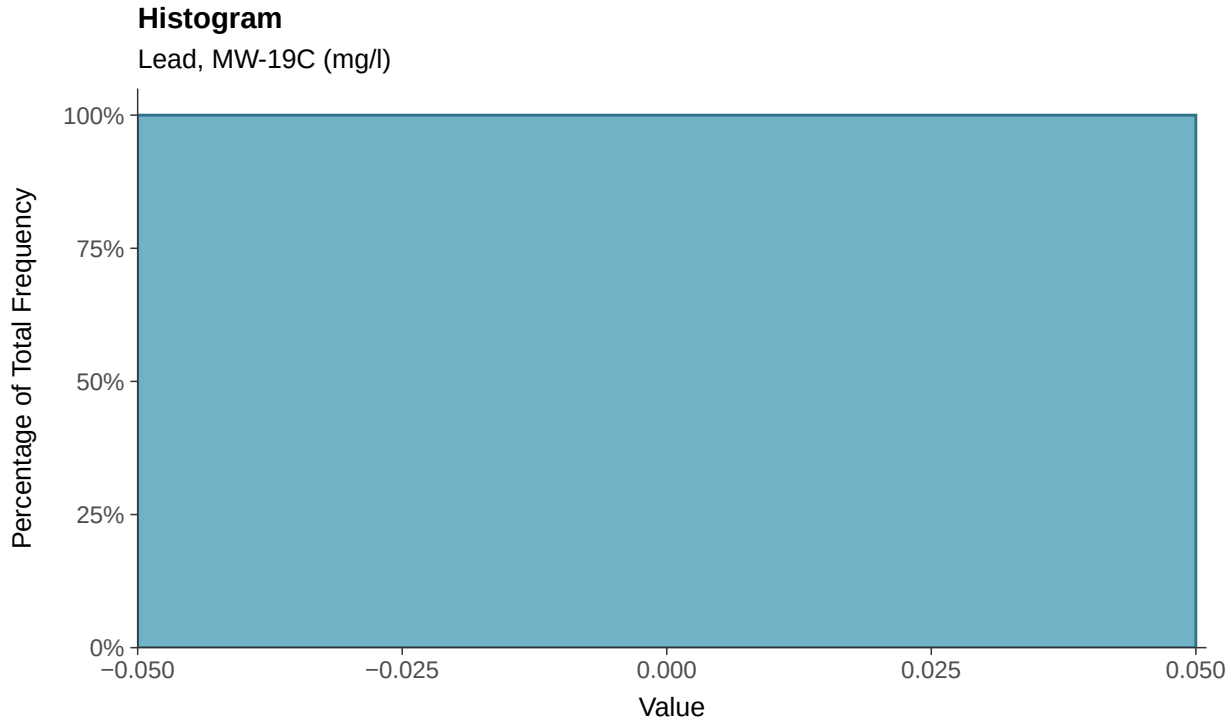
Fluoride (App IV), MW-19C (mg/l)



Appendix IV: Lead, MW-19C

ID: 18_3_115



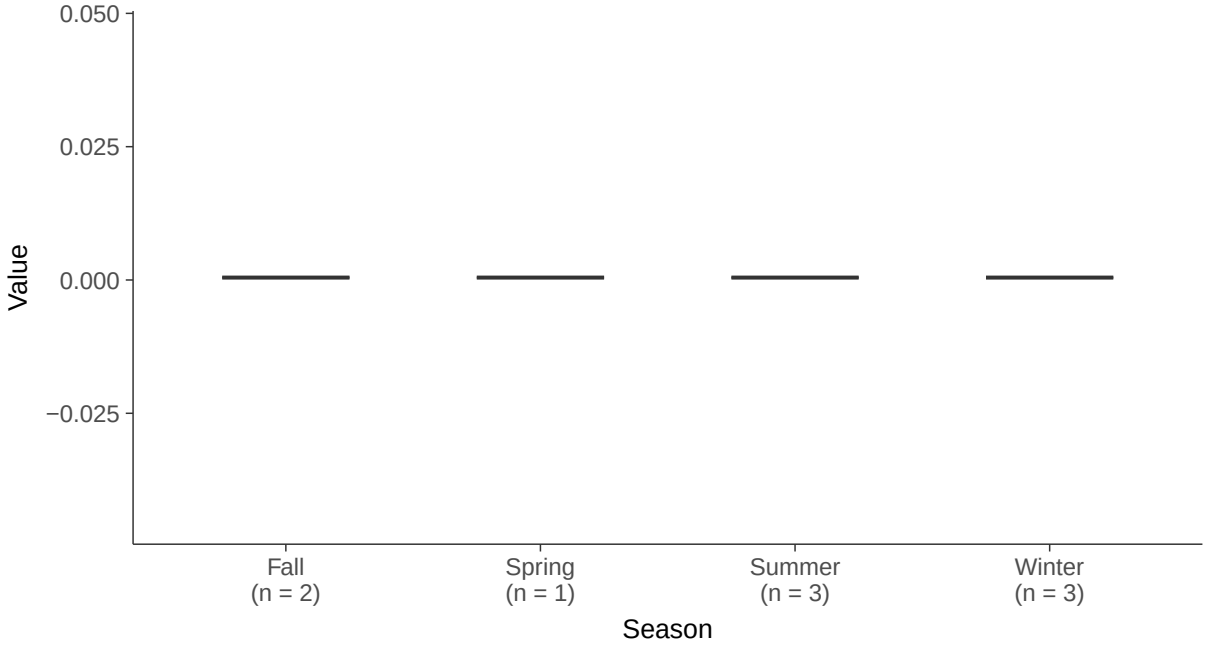


Boxplot

Lead, MW-19C (mg/l)

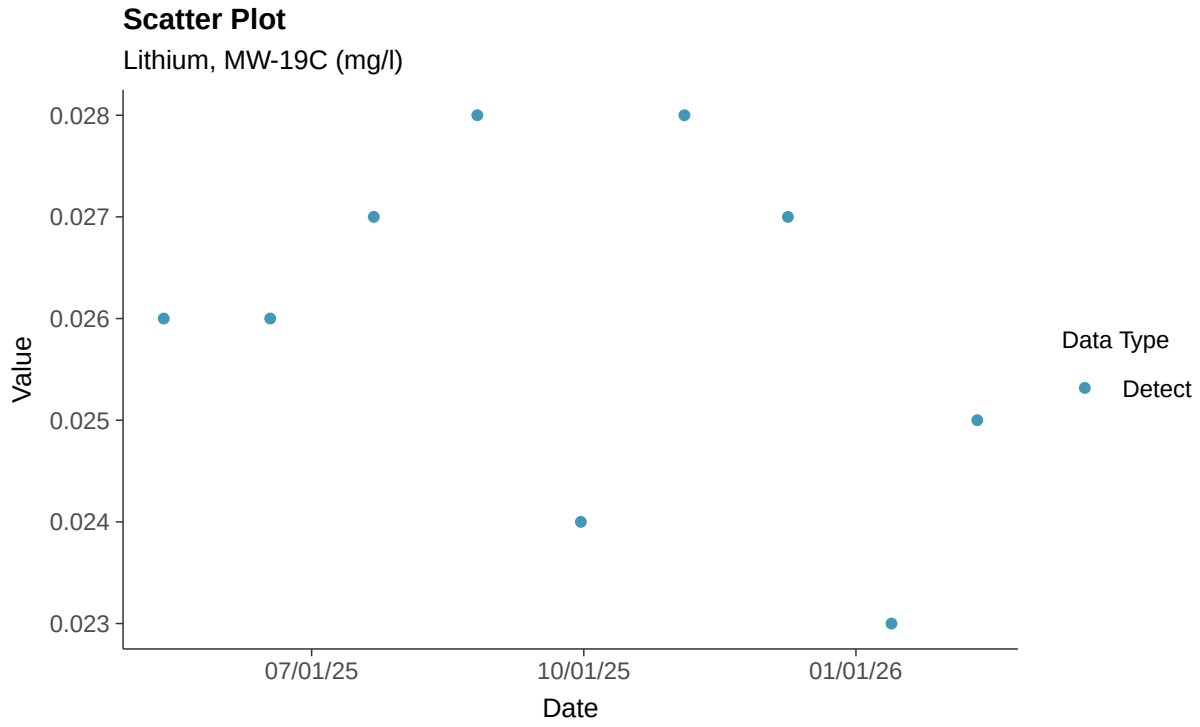
Boxplot by Season

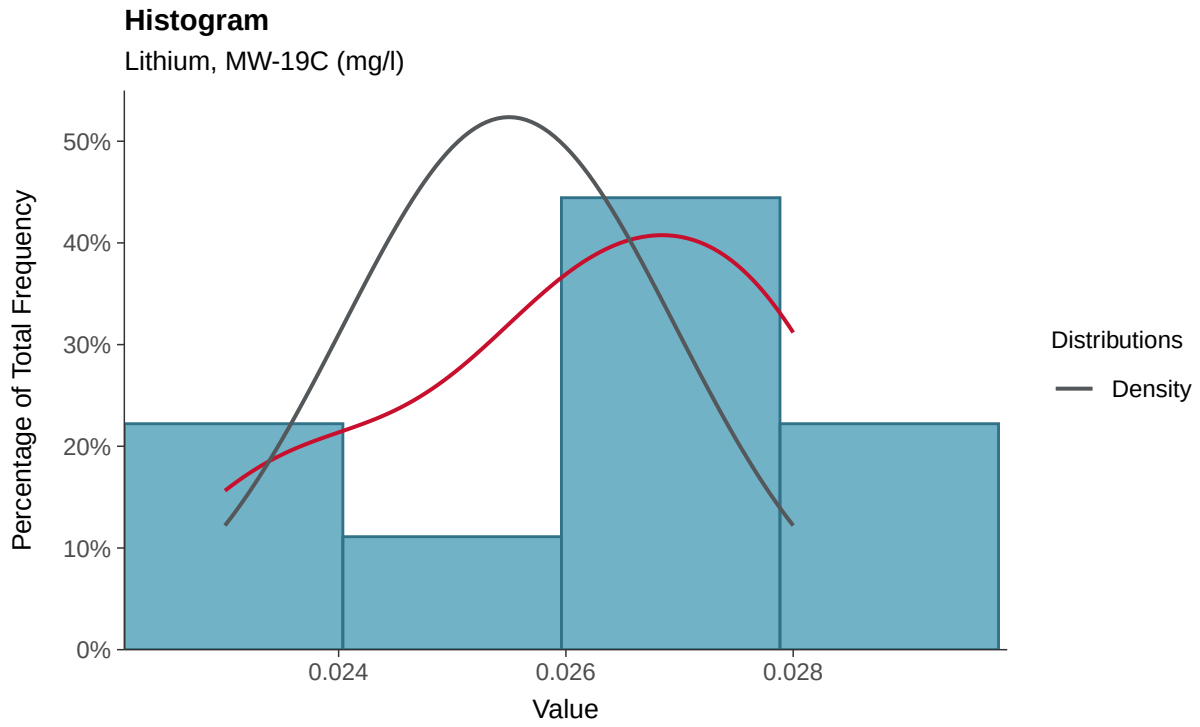
Lead, MW-19C (mg/l)



Appendix IV: Lithium, MW-19C

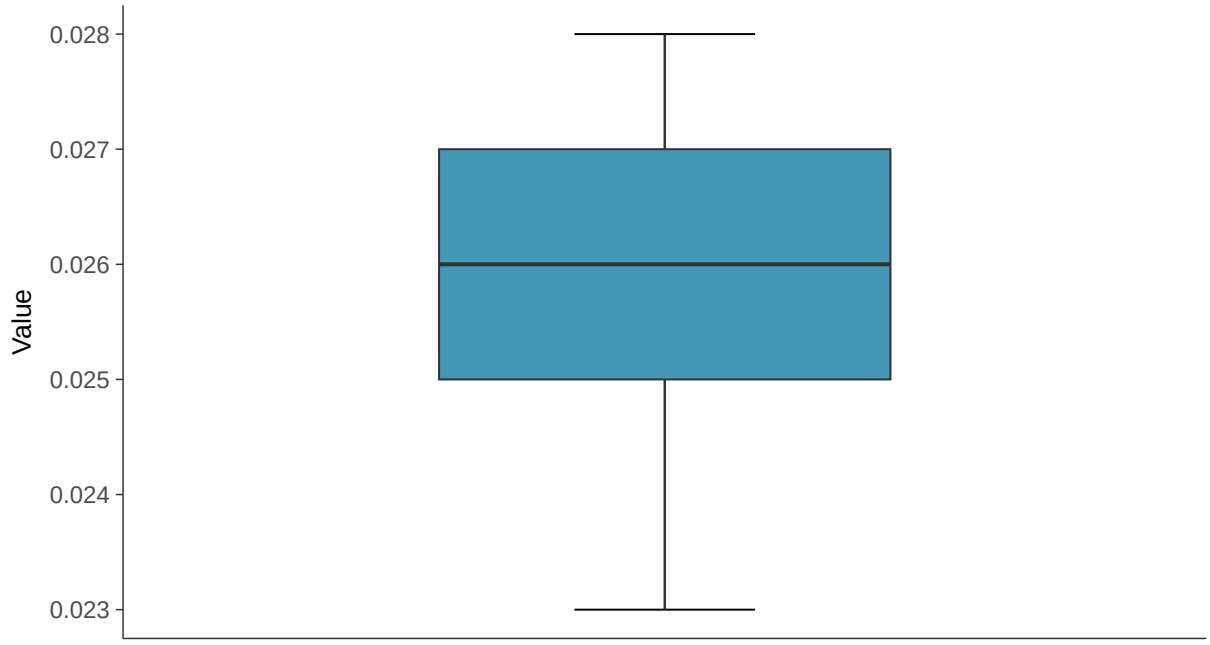
ID: 18_3_116





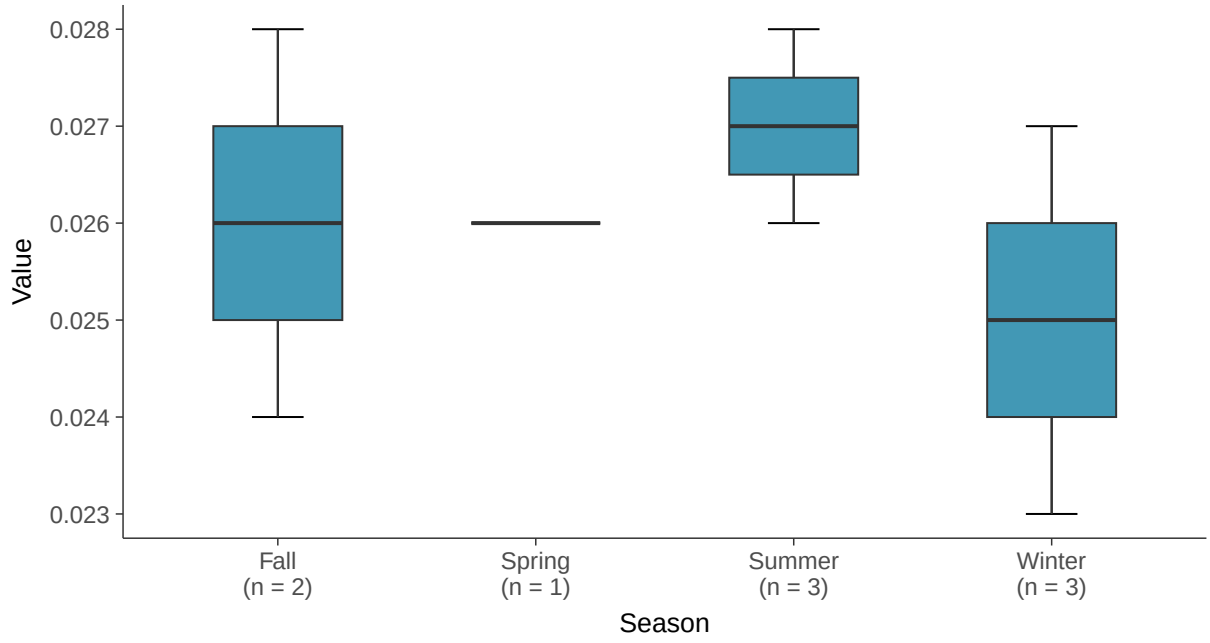
Boxplot

Lithium, MW-19C (mg/l)



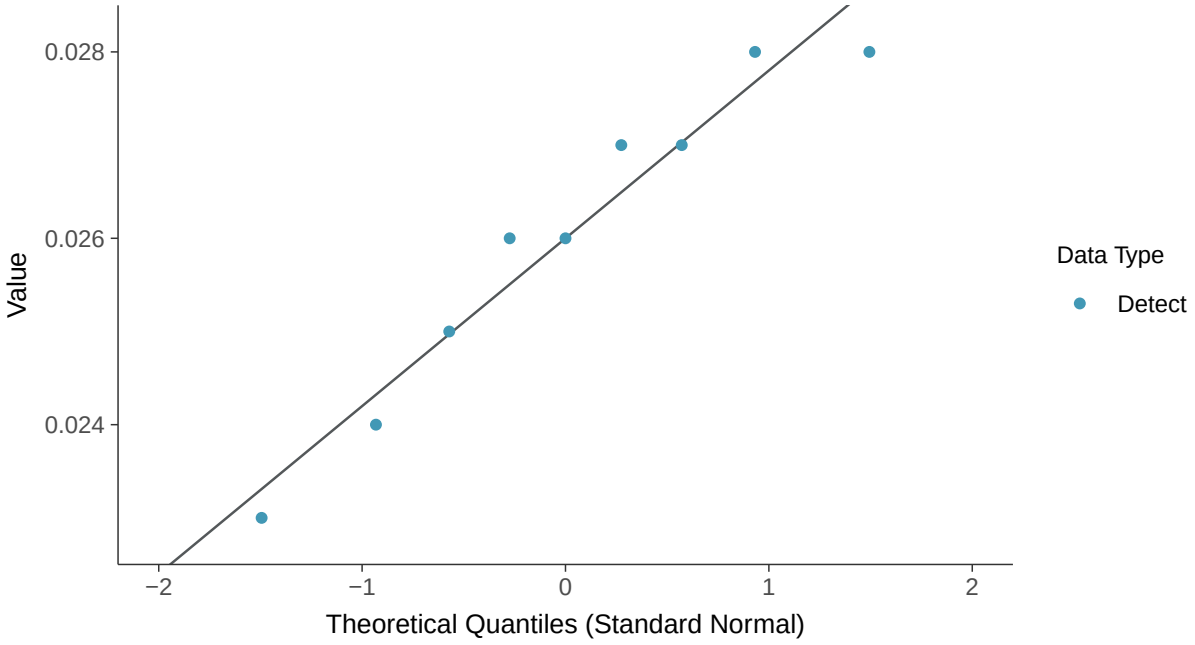
Boxplot by Season

Lithium, MW-19C (mg/l)



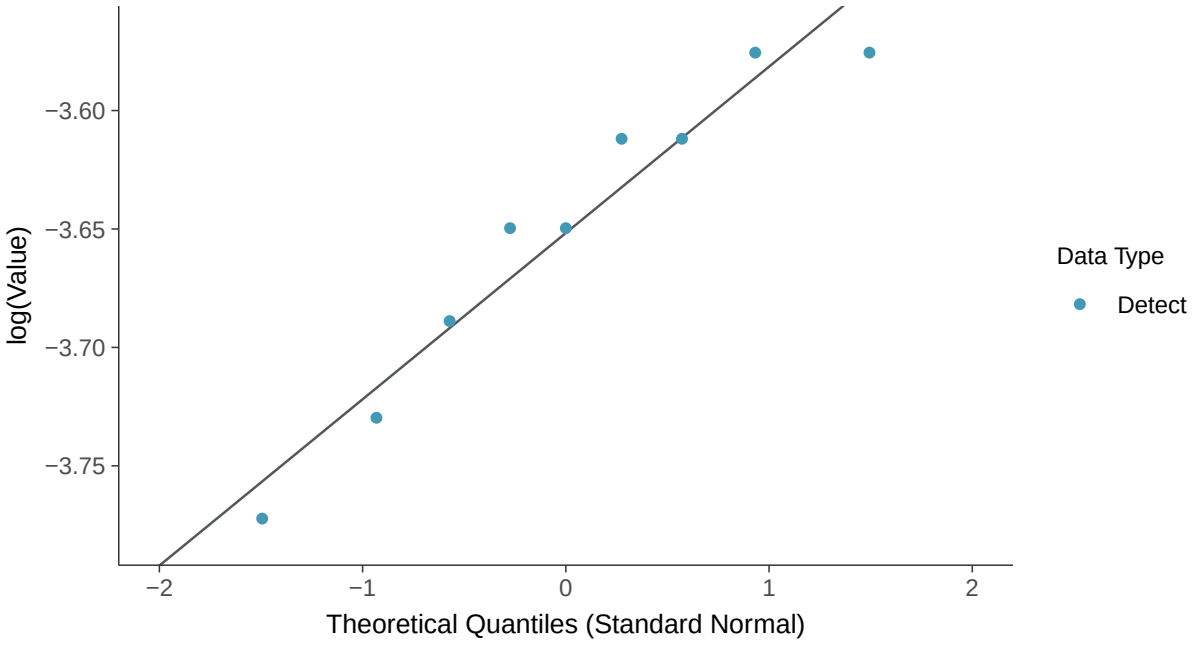
Normal Q-Q plot

Lithium, MW-19C (mg/l)



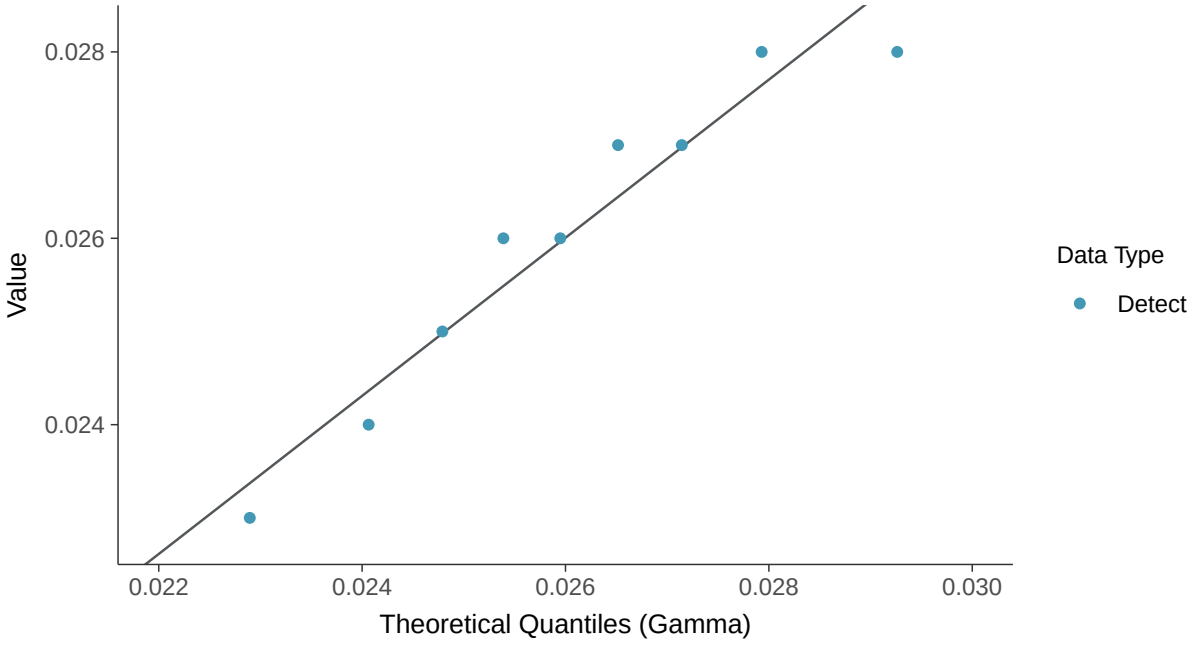
Lognormal Q-Q plot

Lithium, MW-19C (mg/l)



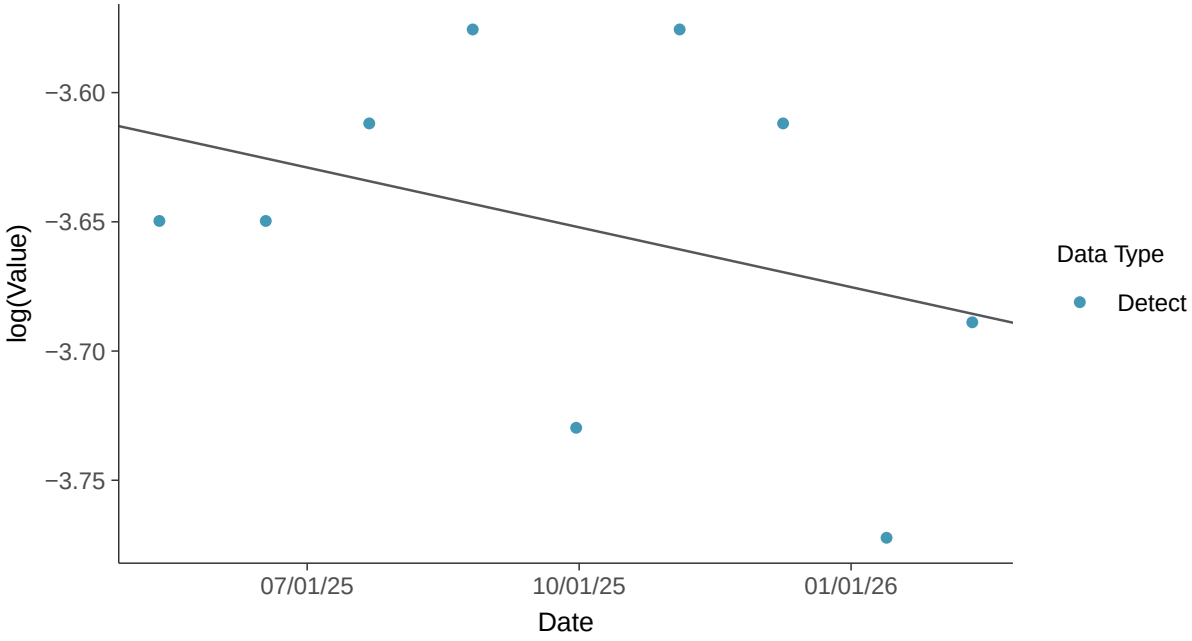
Gamma Q-Q plot

Lithium, MW-19C (mg/l)



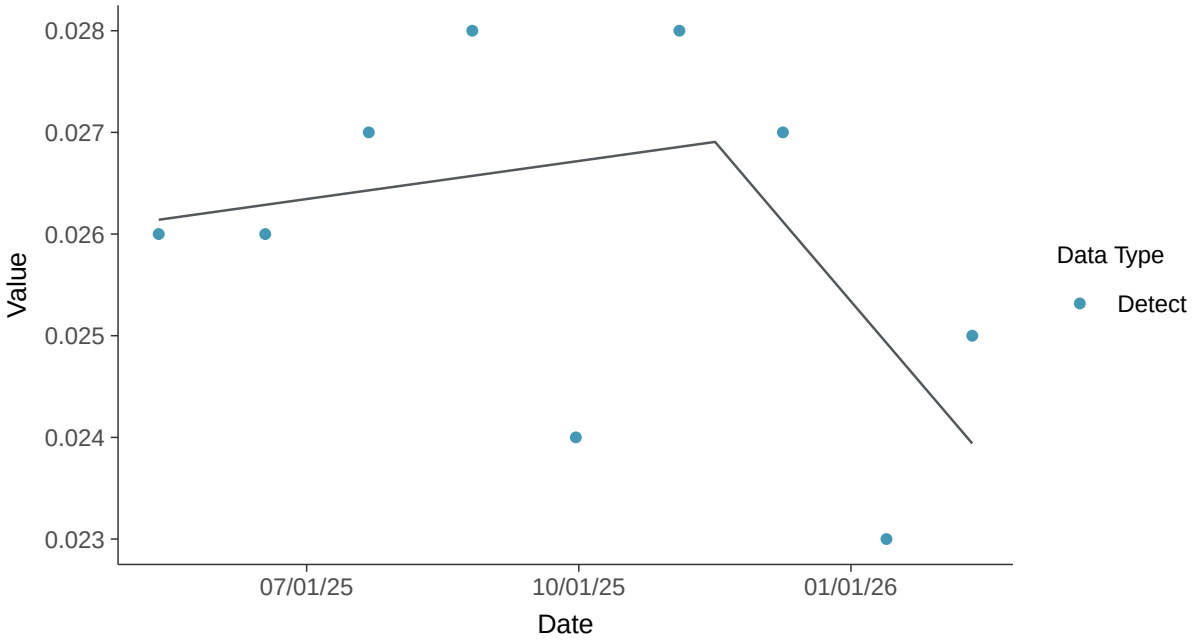
Trend Regression: Lognormal MLE

Lithium, MW-19C (mg/l)



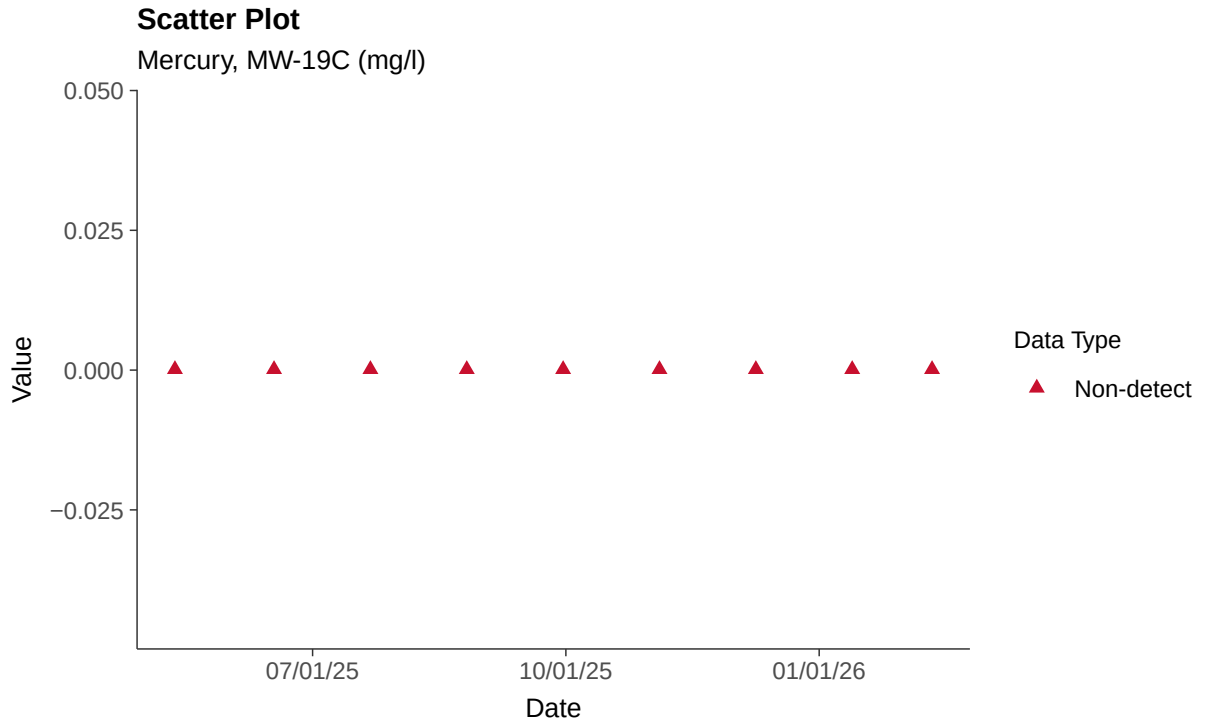
Trend Regression: Piecewise Linear-Linear

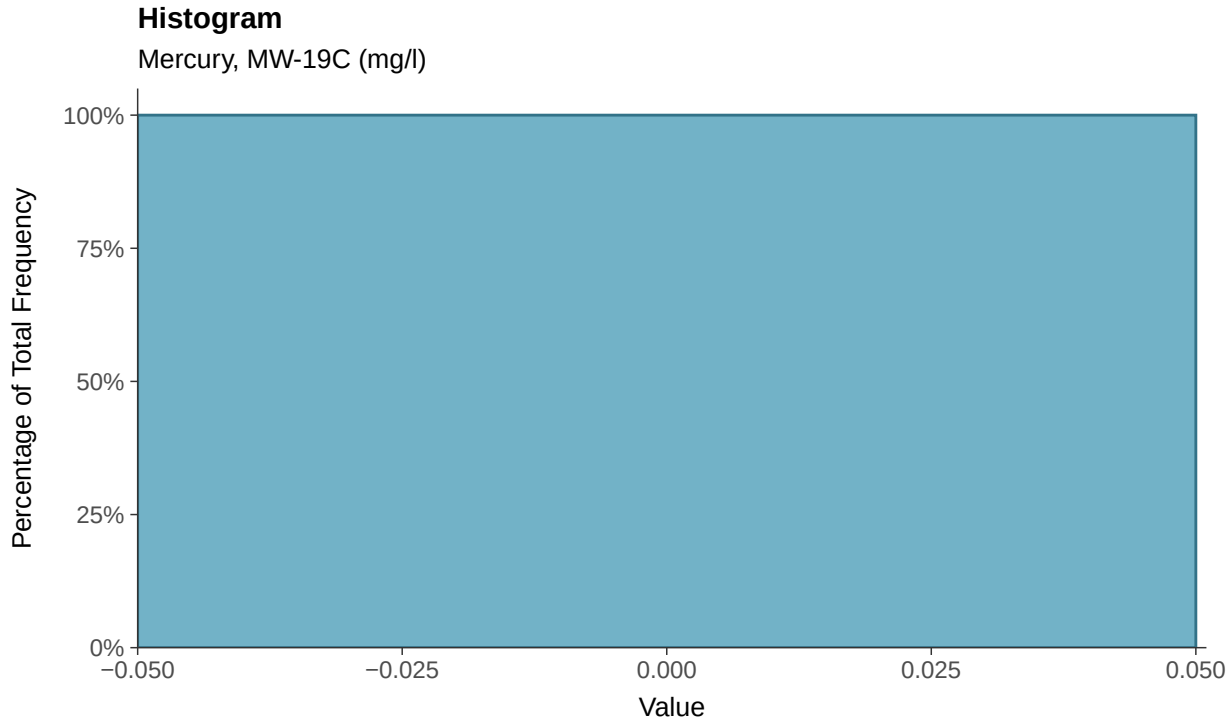
Lithium, MW-19C (mg/l)



Appendix IV: Mercury, MW-19C

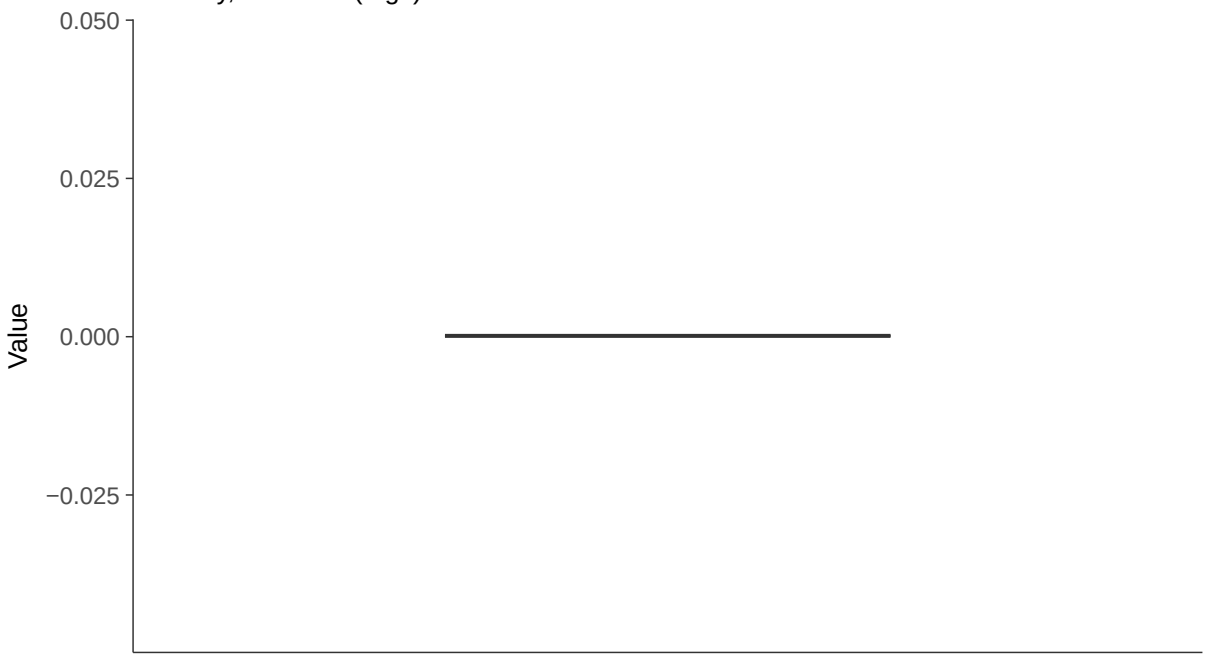
ID: 18_3_117





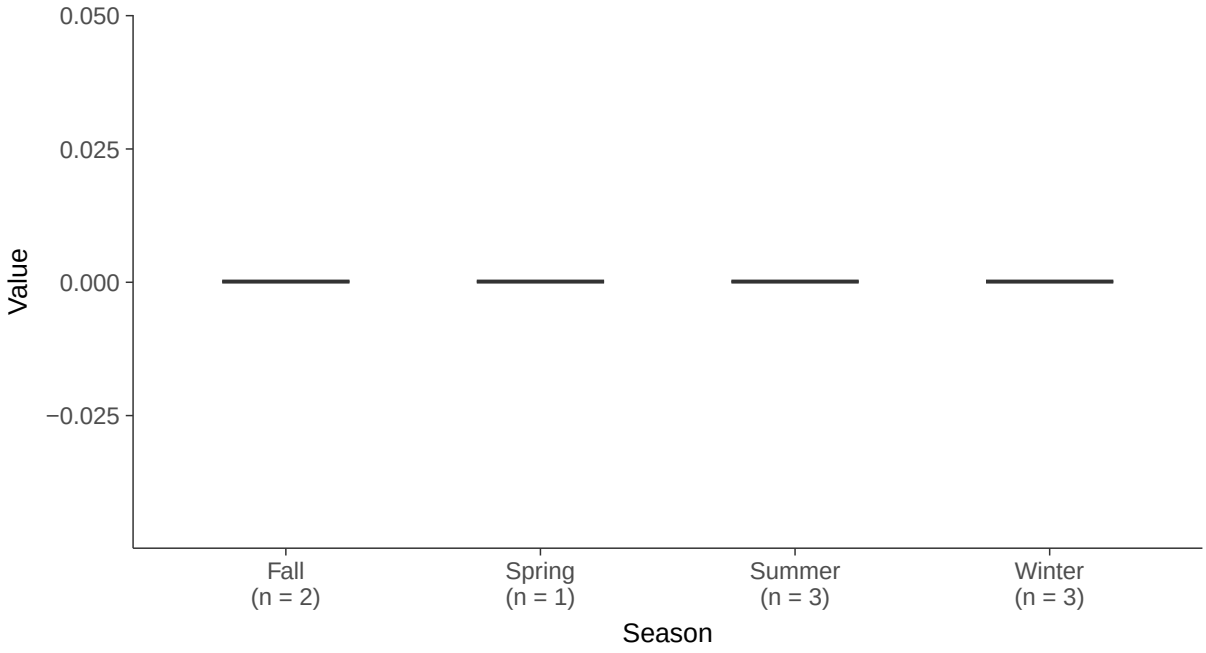
Boxplot

Mercury, MW-19C (mg/l)



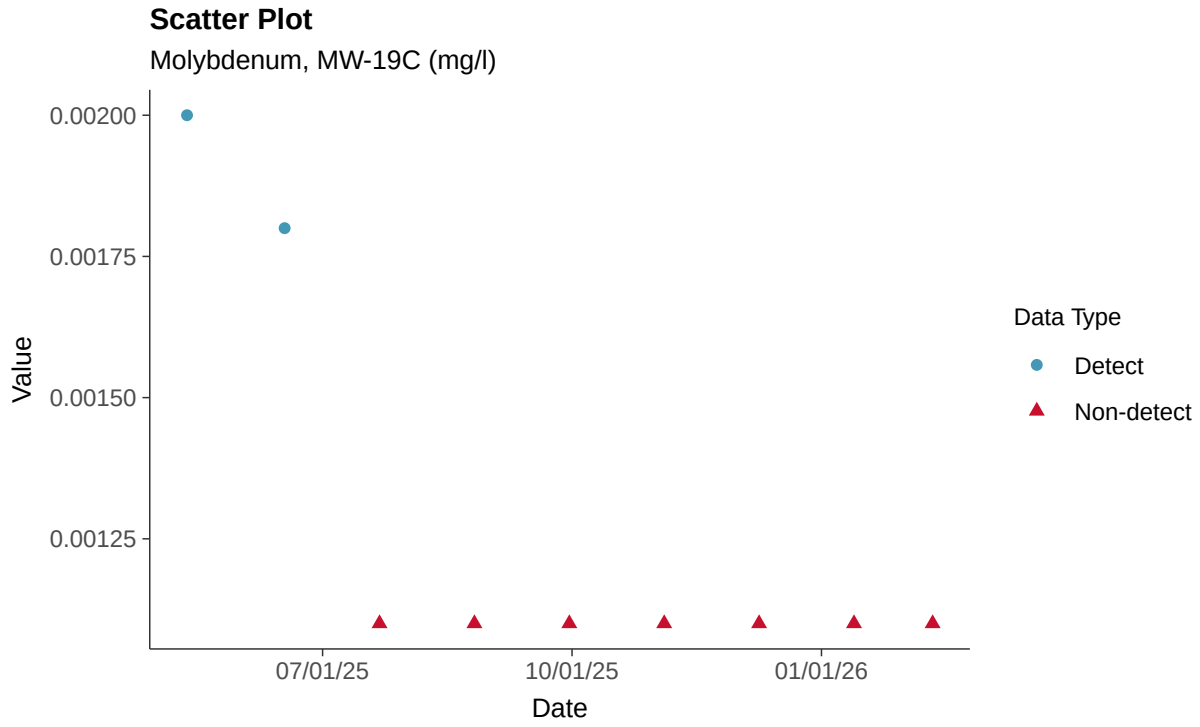
Boxplot by Season

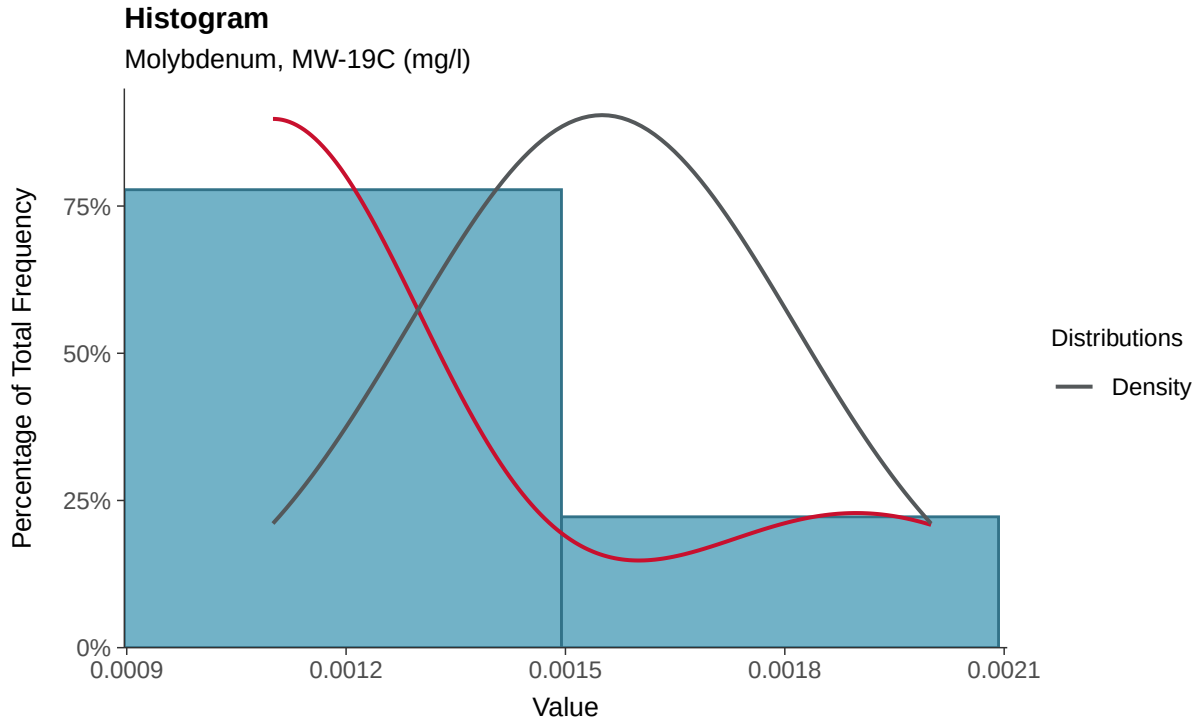
Mercury, MW-19C (mg/l)



Appendix IV: Molybdenum, MW-19C

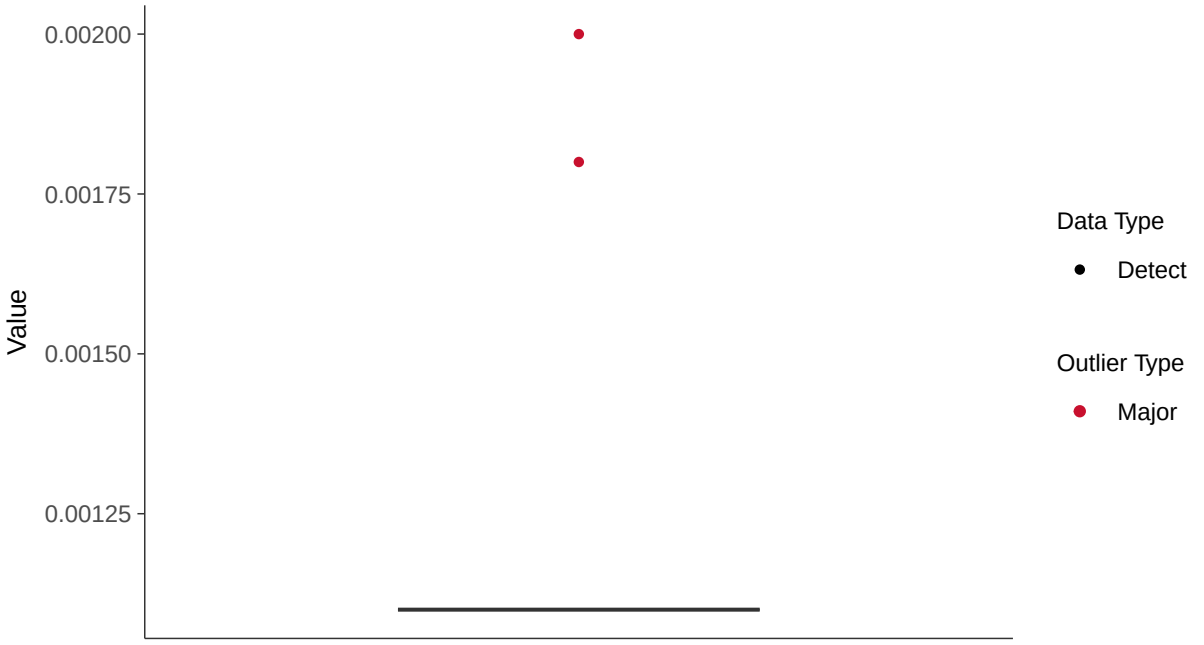
ID: 18_3_118





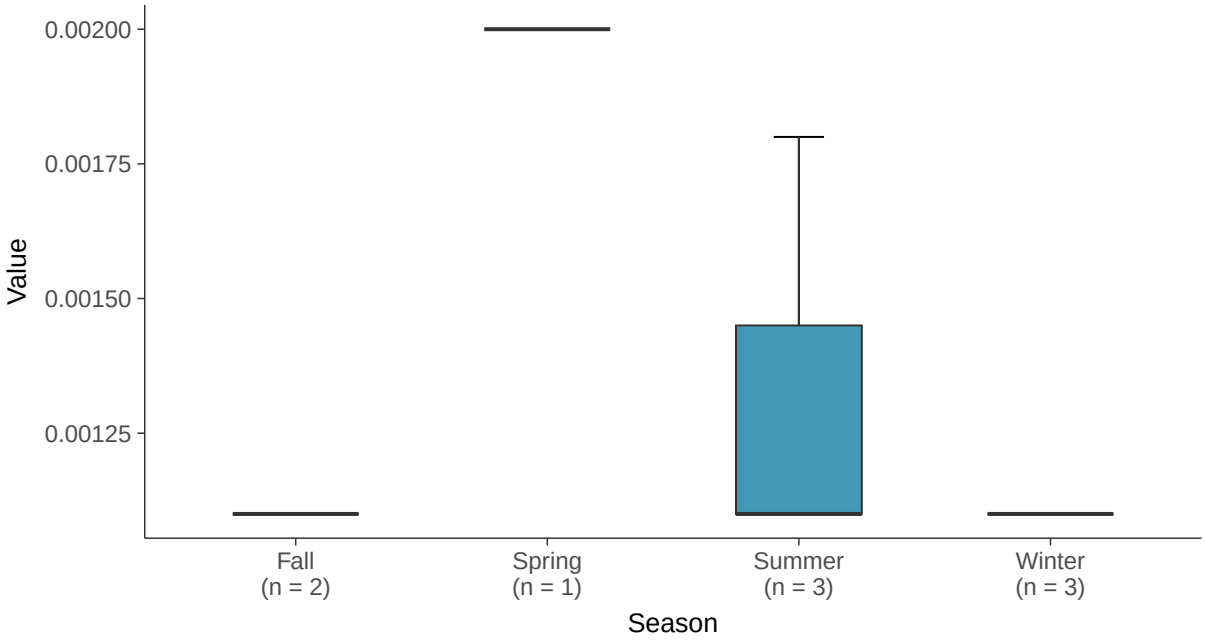
Boxplot

Molybdenum, MW-19C (mg/l)



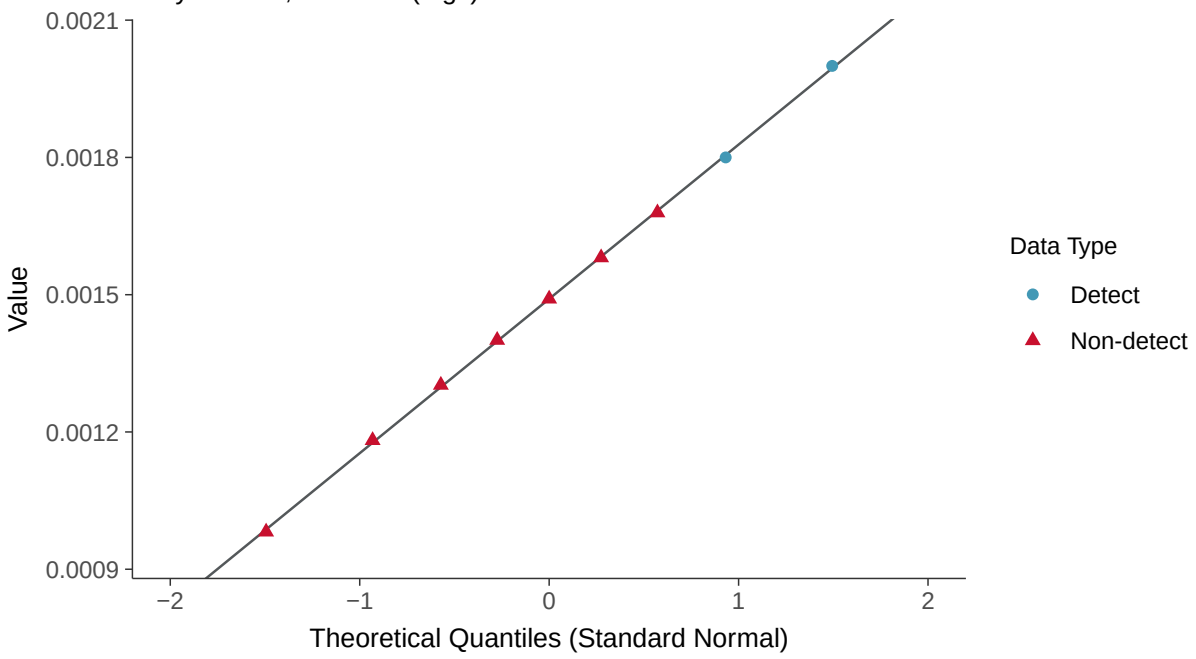
Boxplot by Season

Molybdenum, MW-19C (mg/l)



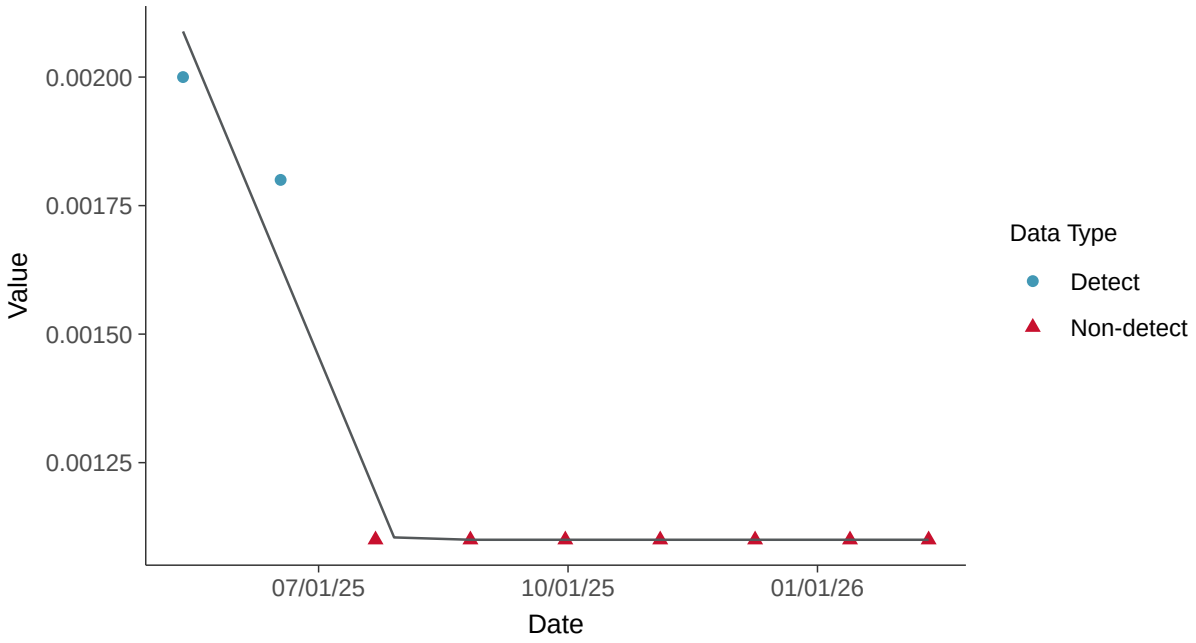
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-19C (mg/l)



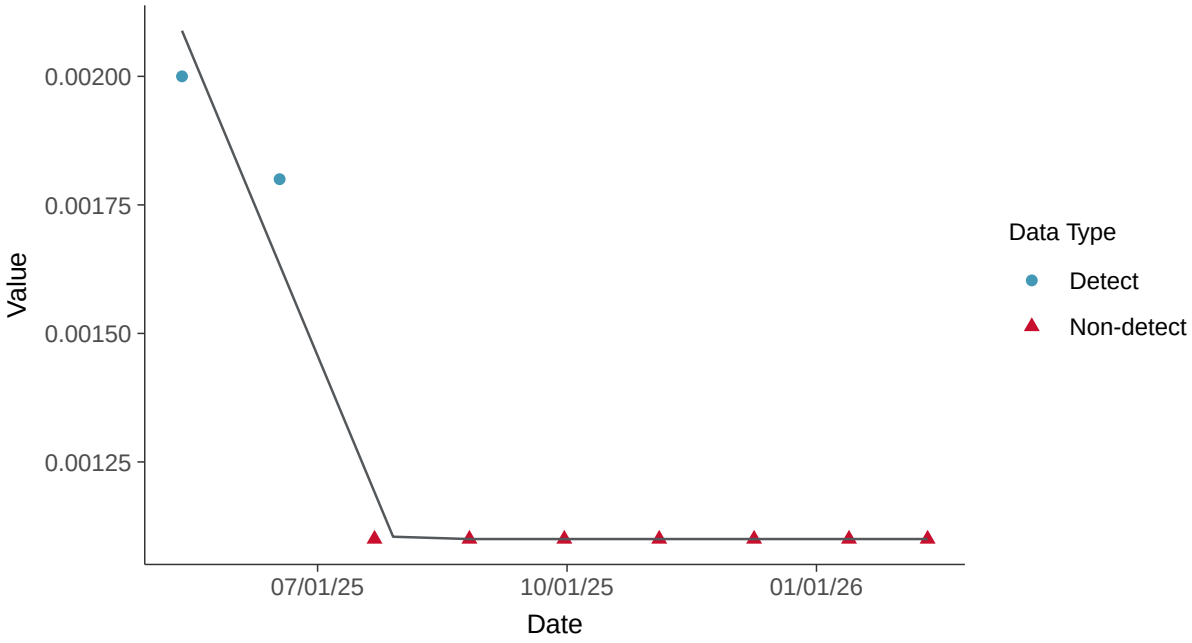
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-19C (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-19C (mg/l)

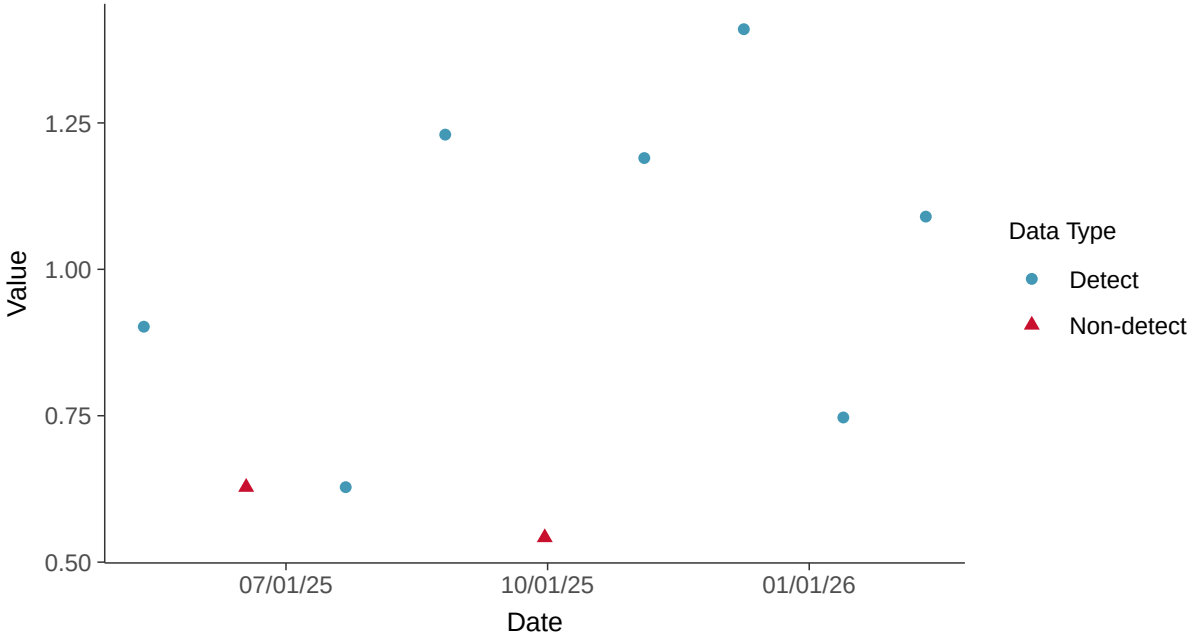


Appendix IV: Radium-226+228, MW-19C

ID: 18_3_121

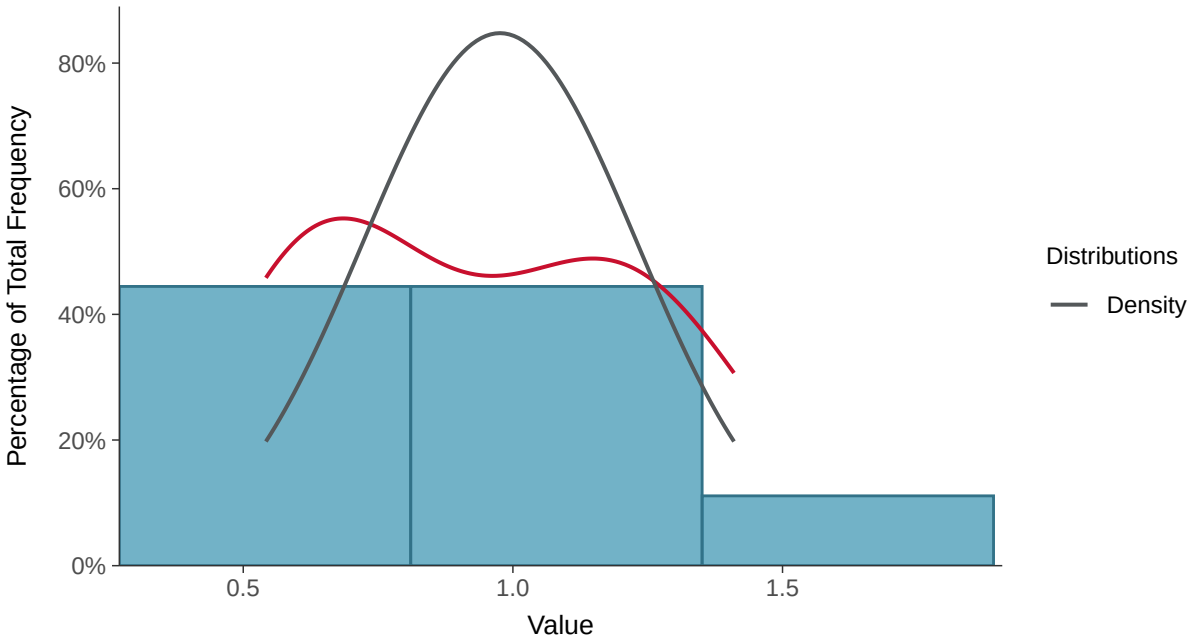
Scatter Plot

Radium-226+228, MW-19C (pci/l)



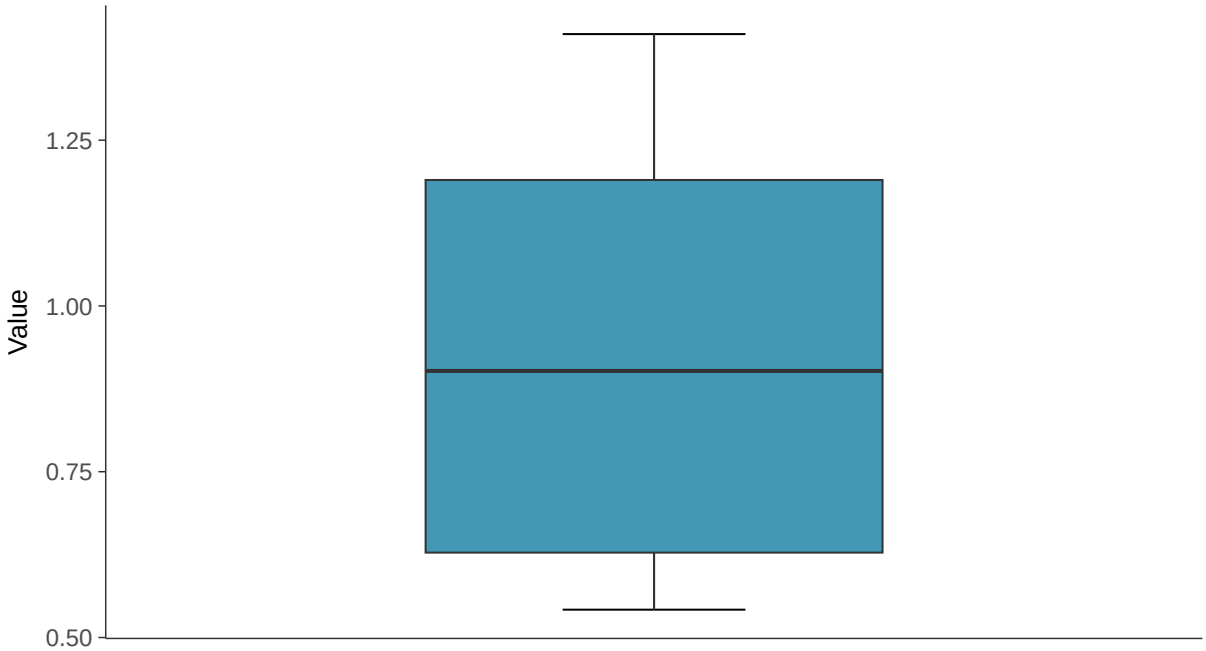
Histogram

Radium-226+228, MW-19C (pci/l)



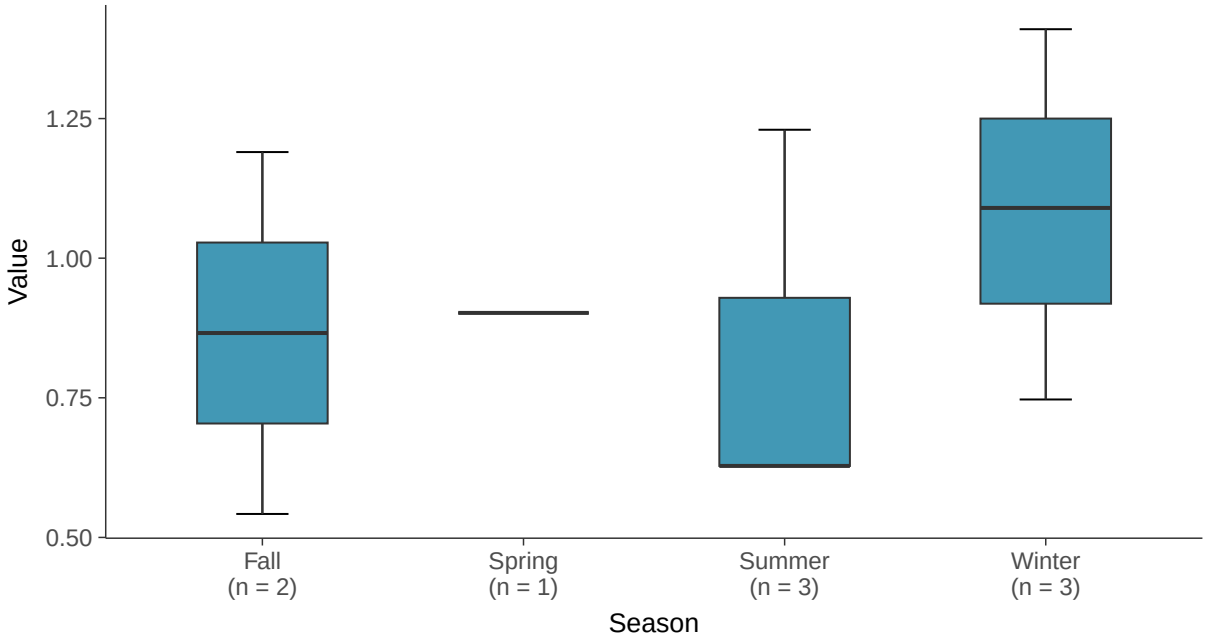
Boxplot

Radium-226+228, MW-19C (pci/l)



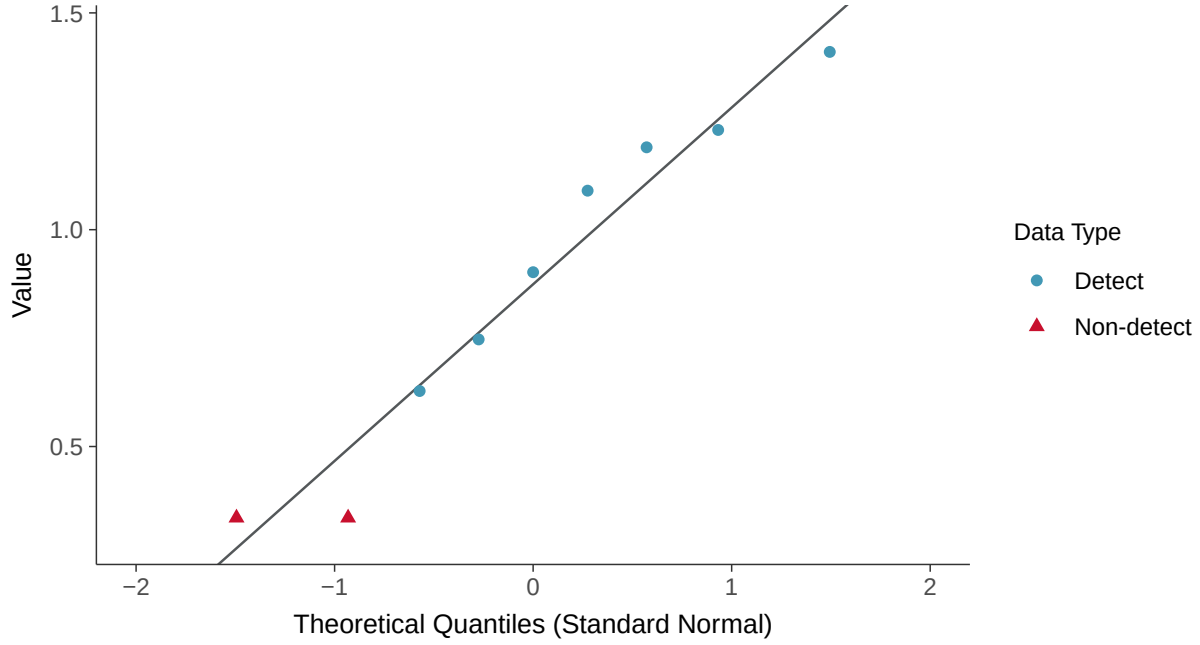
Boxplot by Season

Radium-226+228, MW-19C (pci/l)



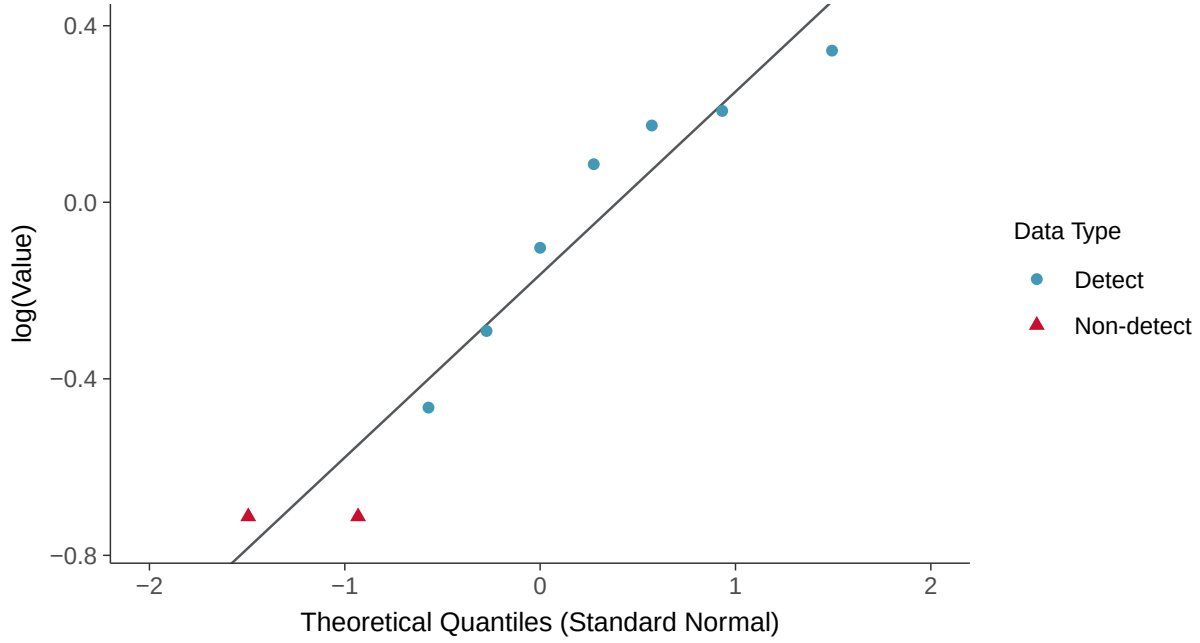
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-19C (pci/l)



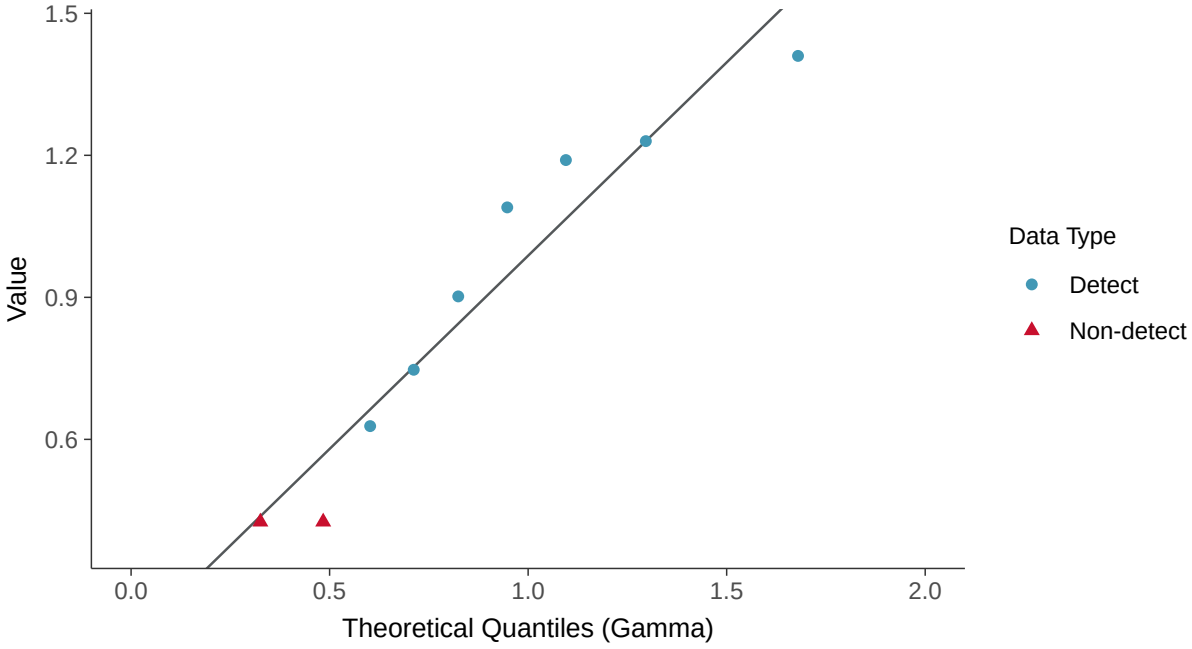
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-19C (pci/l)



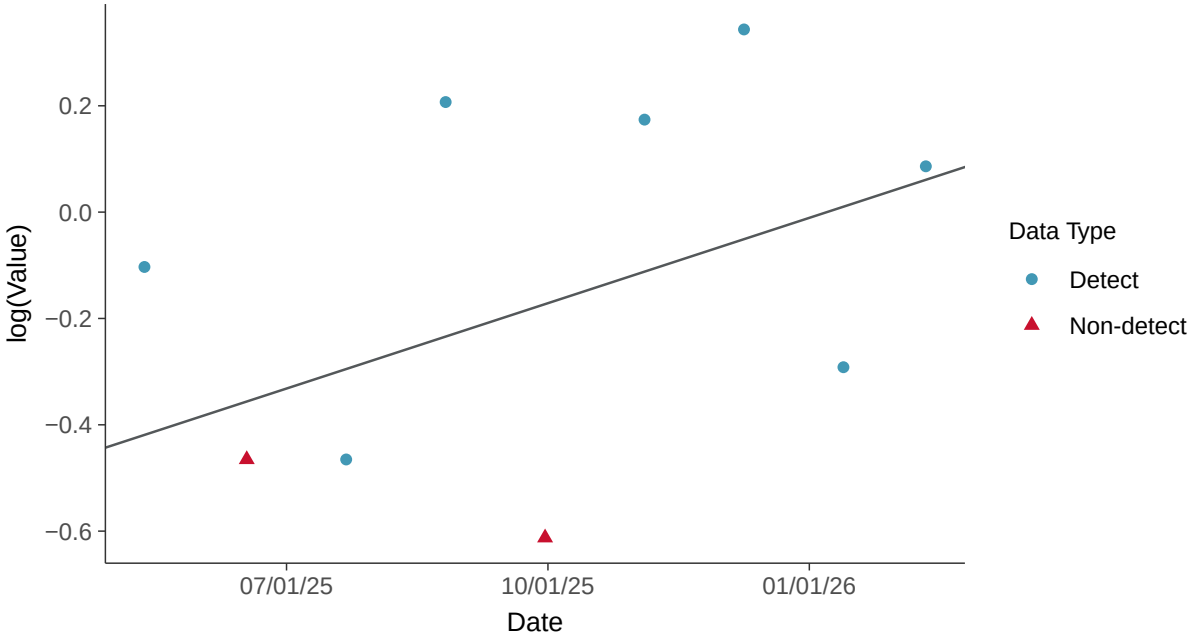
Gamma Q-Q plot using ROS Imputed Estimates

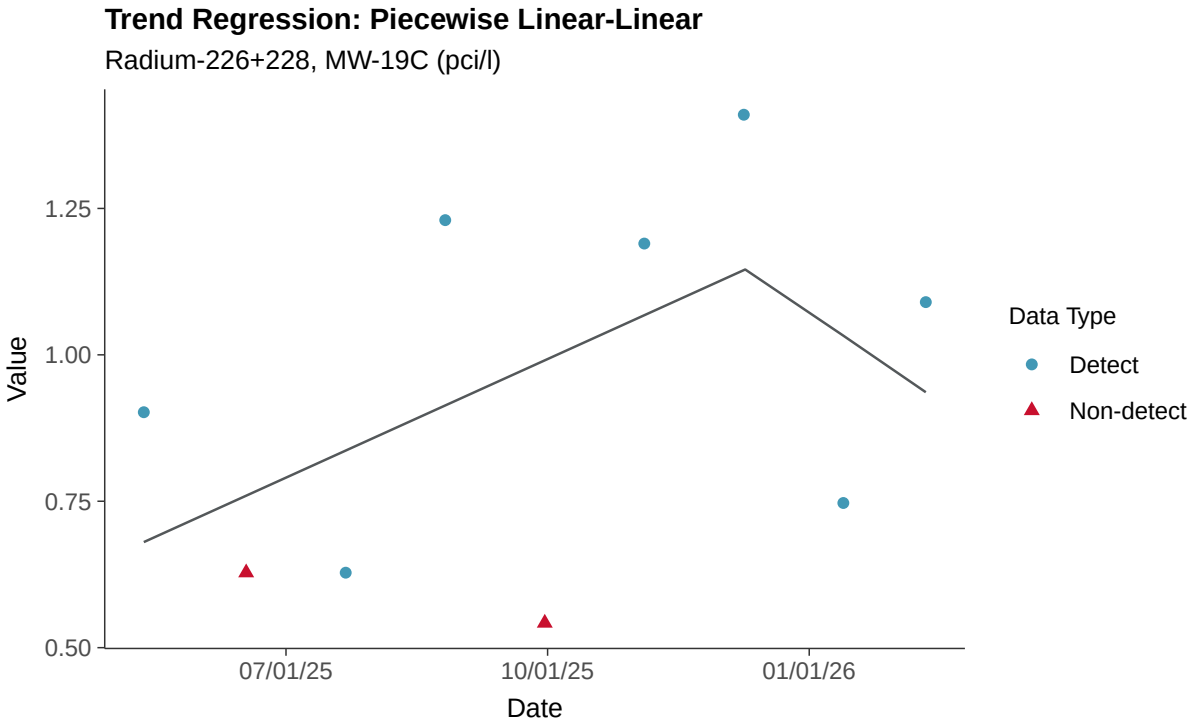
Radium-226+228, MW-19C (pci/l)



Trend Regression: Lognormal MLE

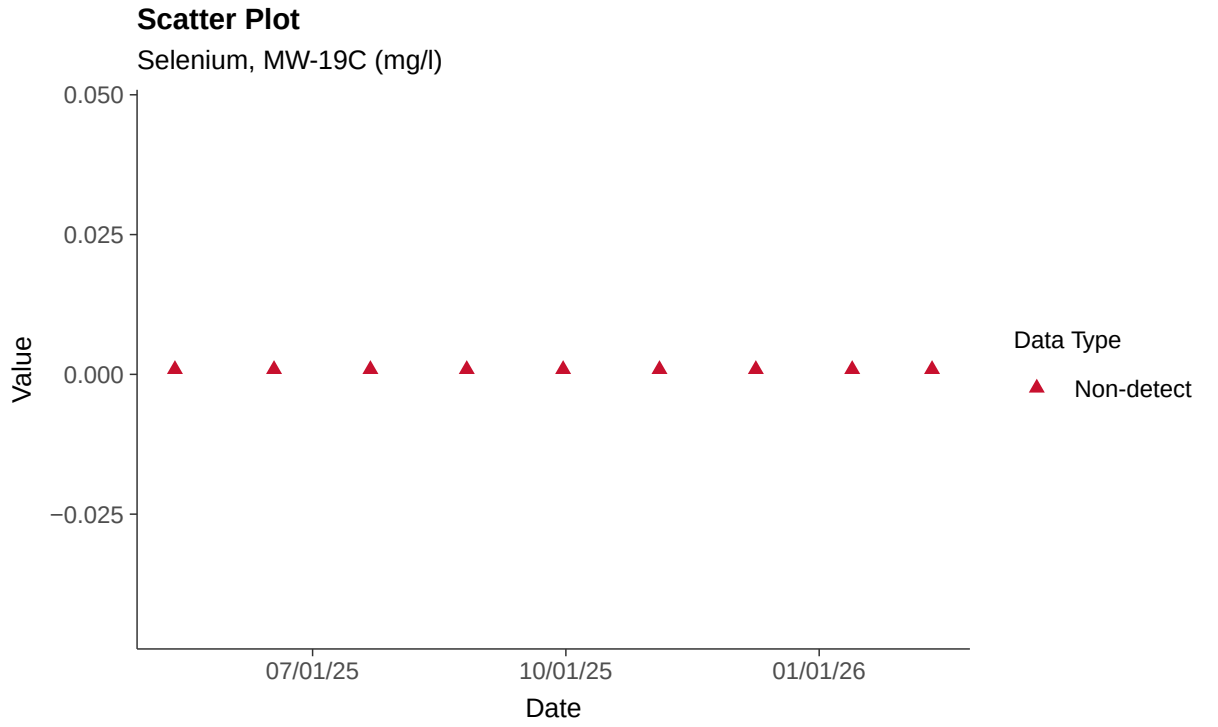
Radium-226+228, MW-19C (pci/l)

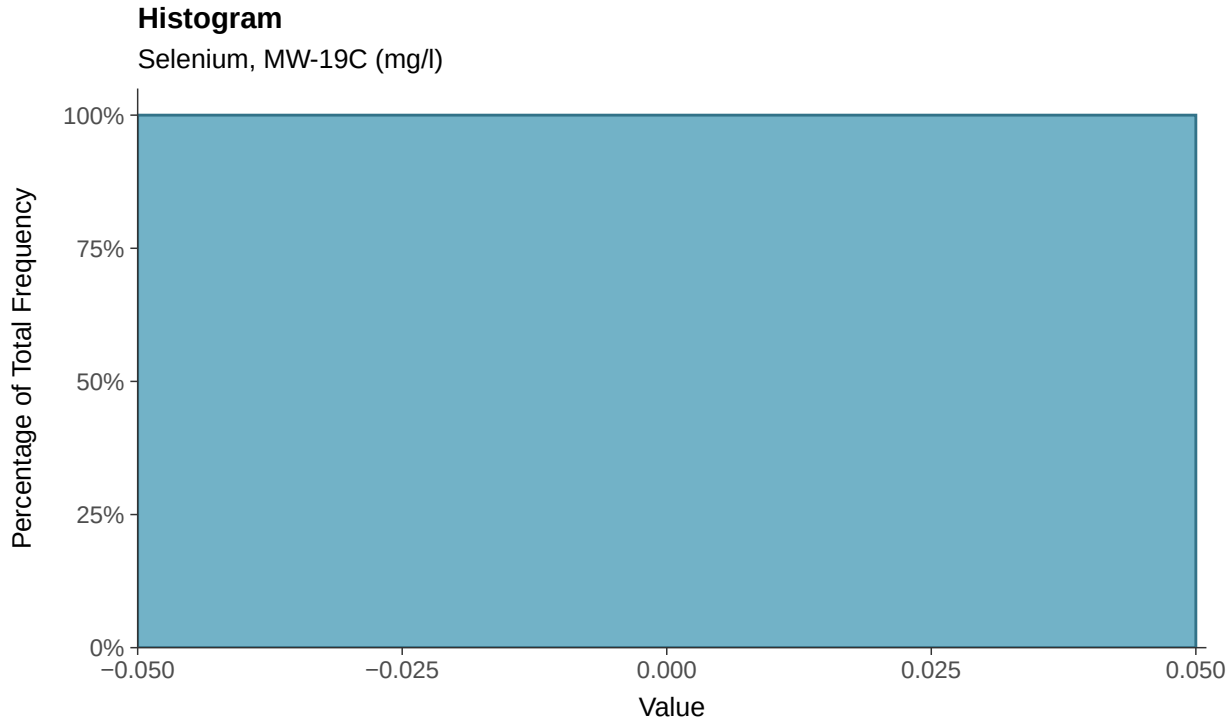



Trend Regression: Piecewise Linear-Linear
Radium-226+228, MW-19C (pci/l)
Value
1.25
1.00
0.75
0.50
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Selenium, MW-19C

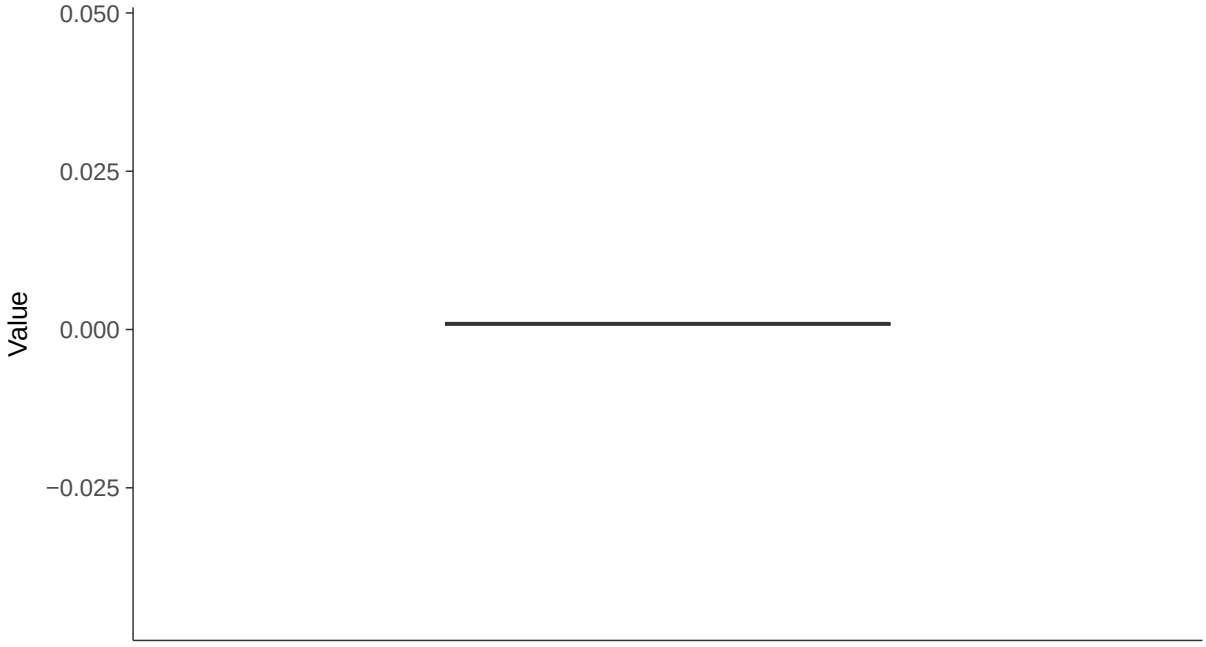
ID: 18_3_122





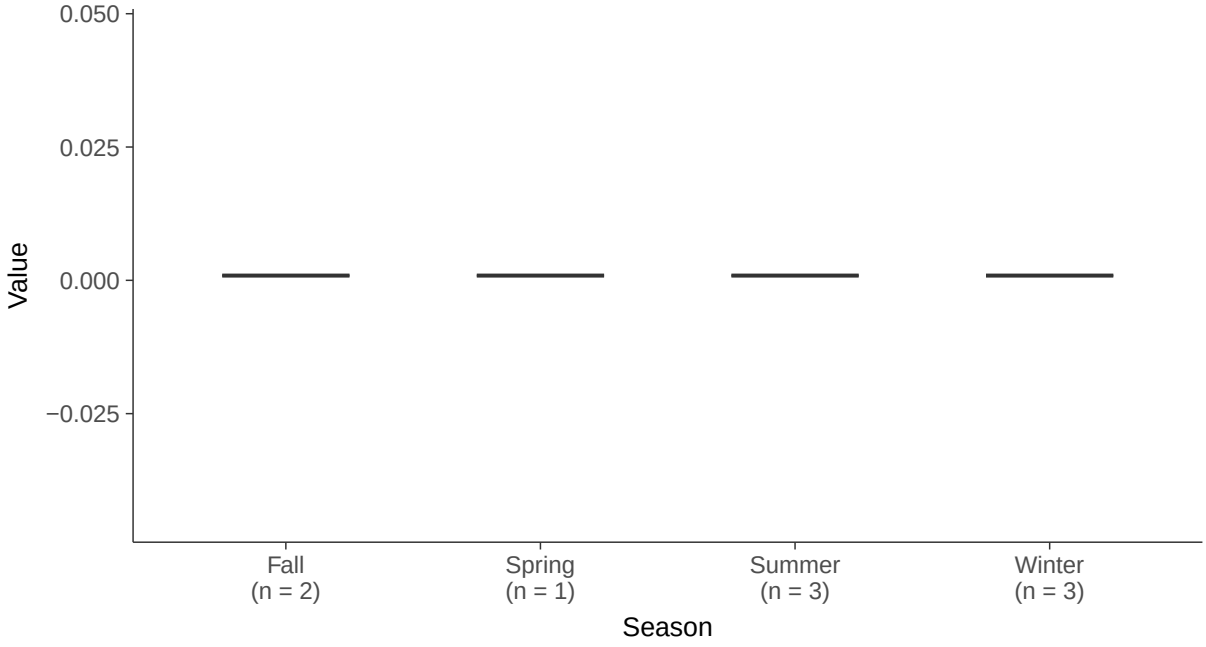
Boxplot

Selenium, MW-19C (mg/l)



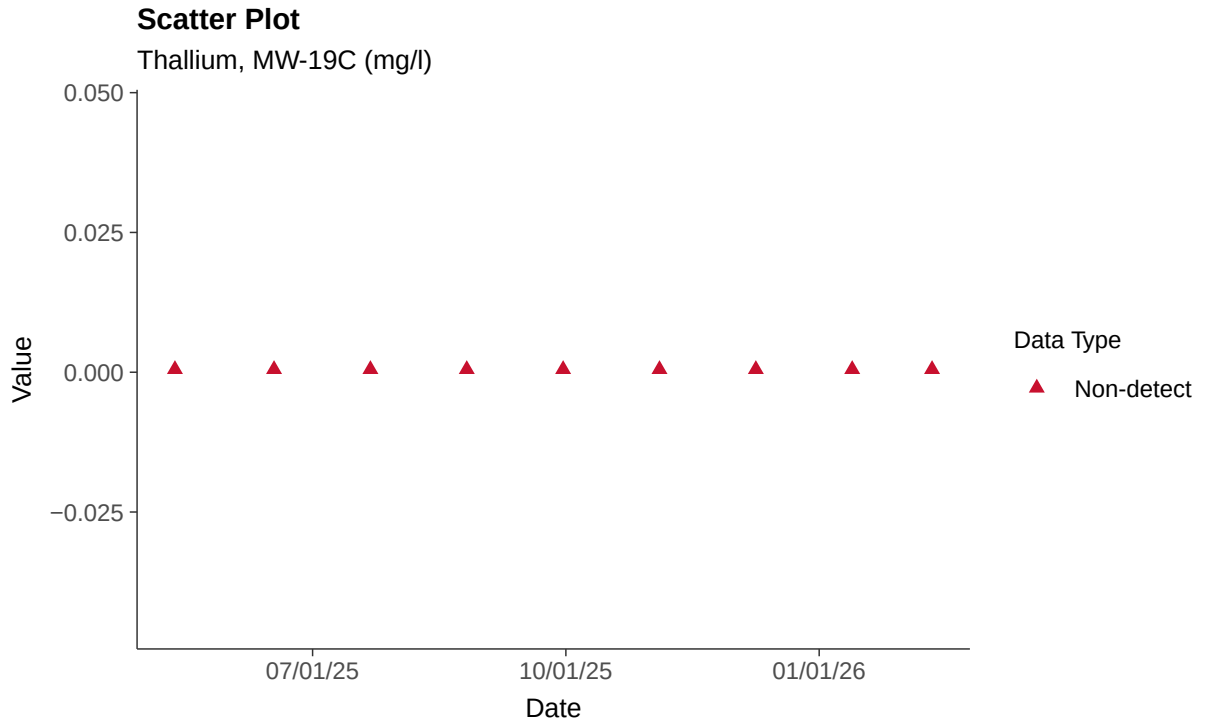
Boxplot by Season

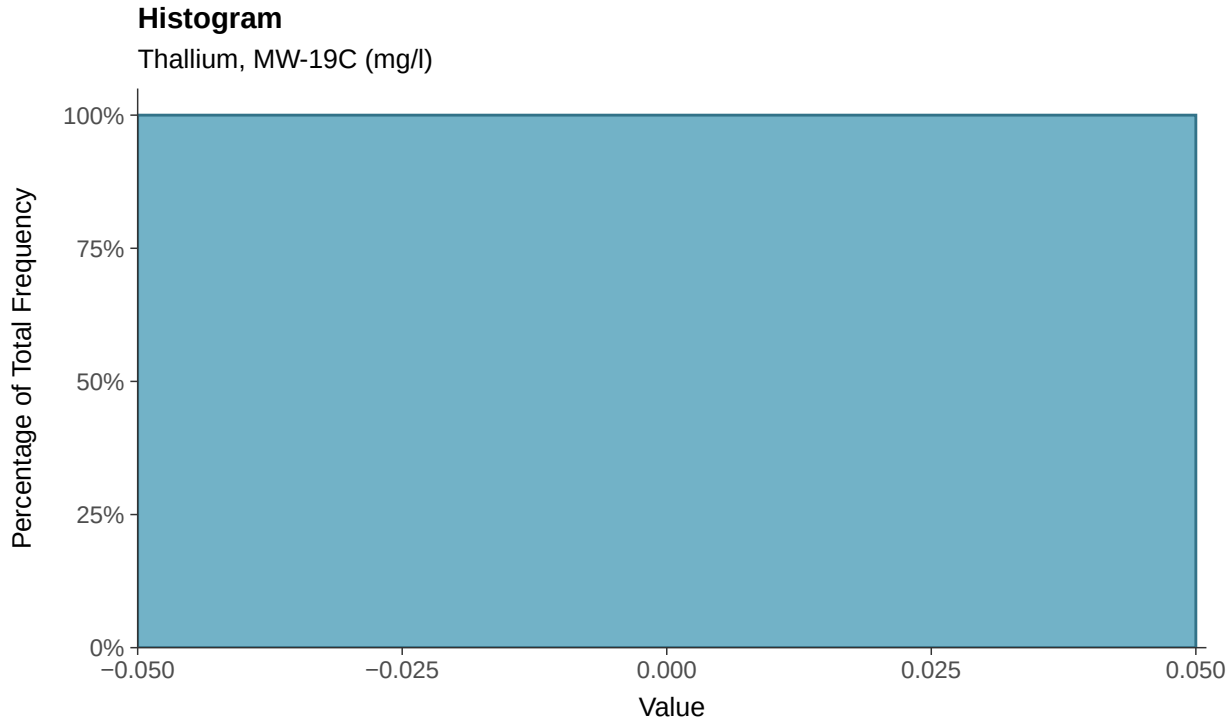
Selenium, MW-19C (mg/l)



Appendix IV: Thallium, MW-19C

ID: 18_3_125



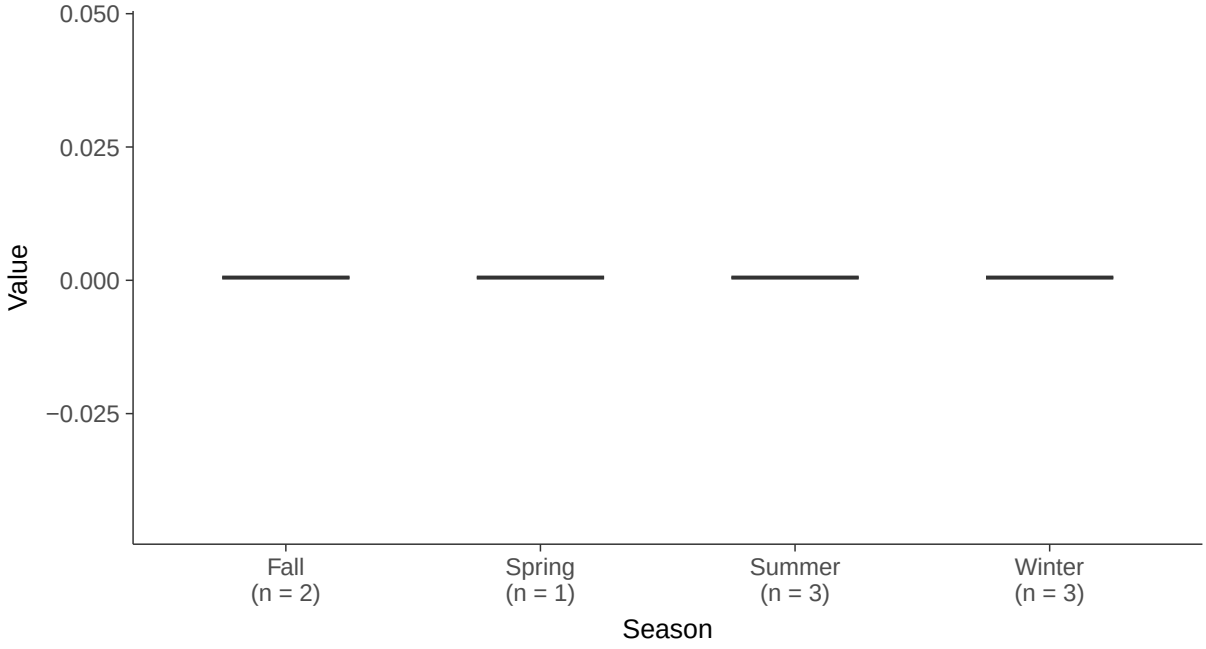


Boxplot

Thallium, MW-19C (mg/l)

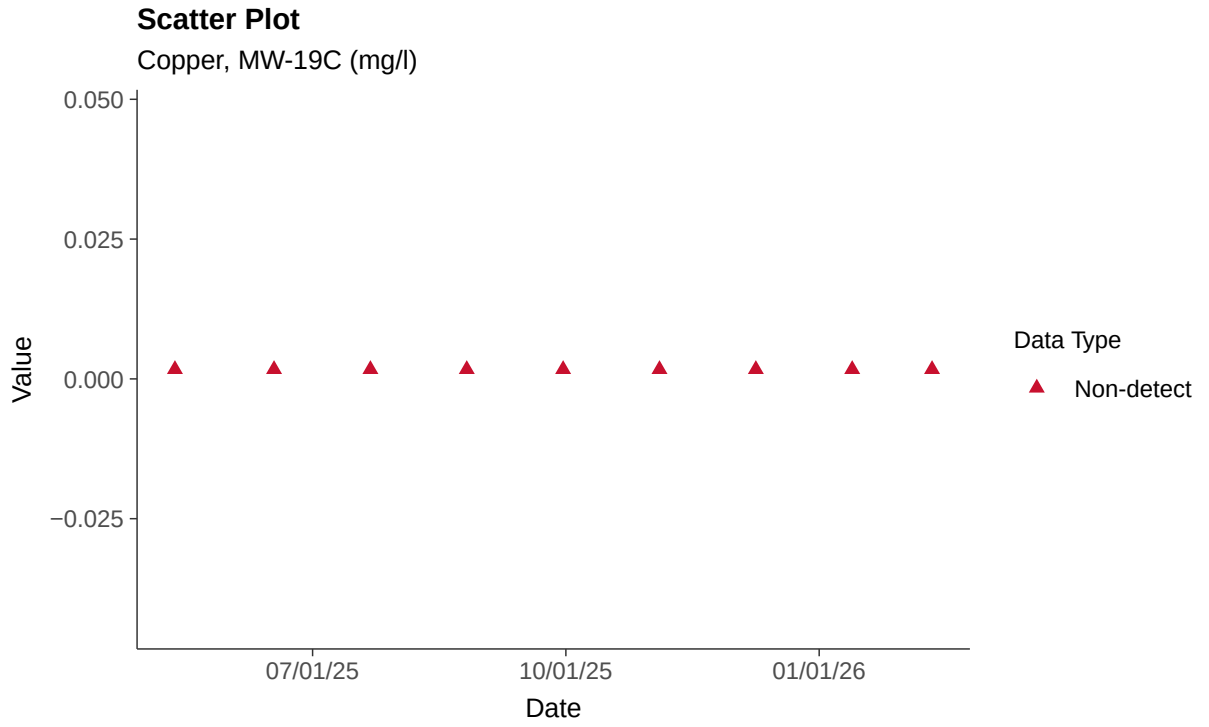
Boxplot by Season

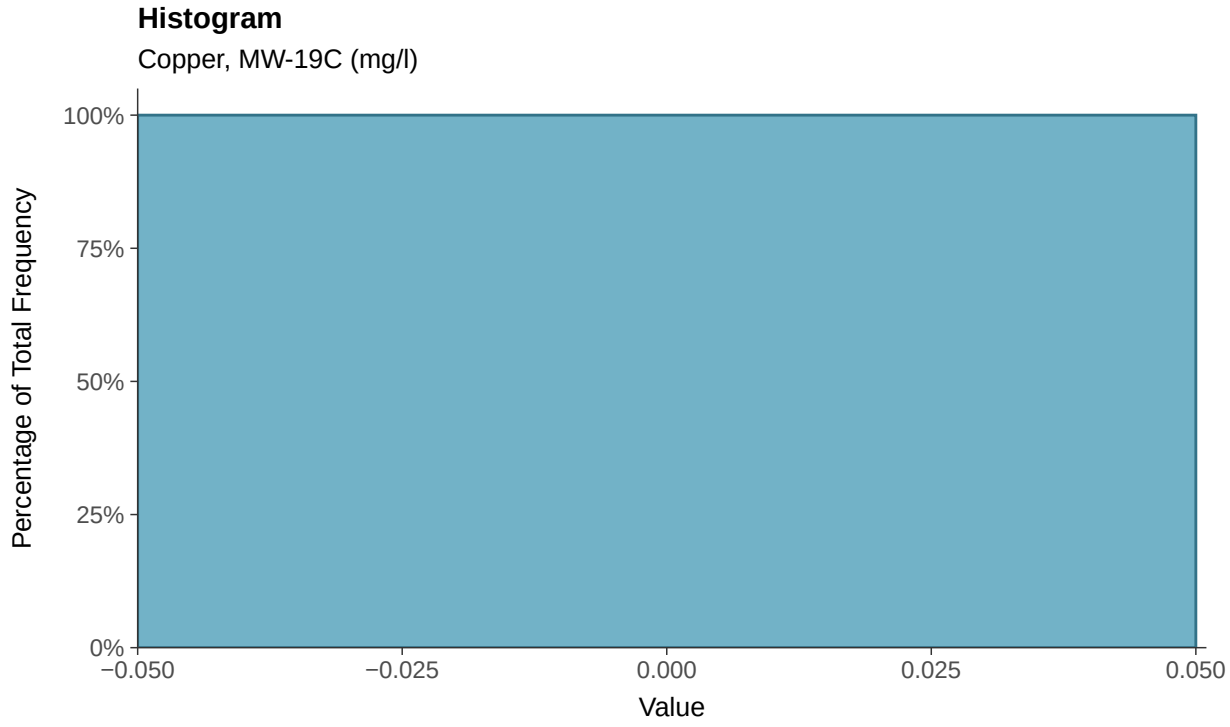
Thallium, MW-19C (mg/l)



Part 115: Copper, MW-19C

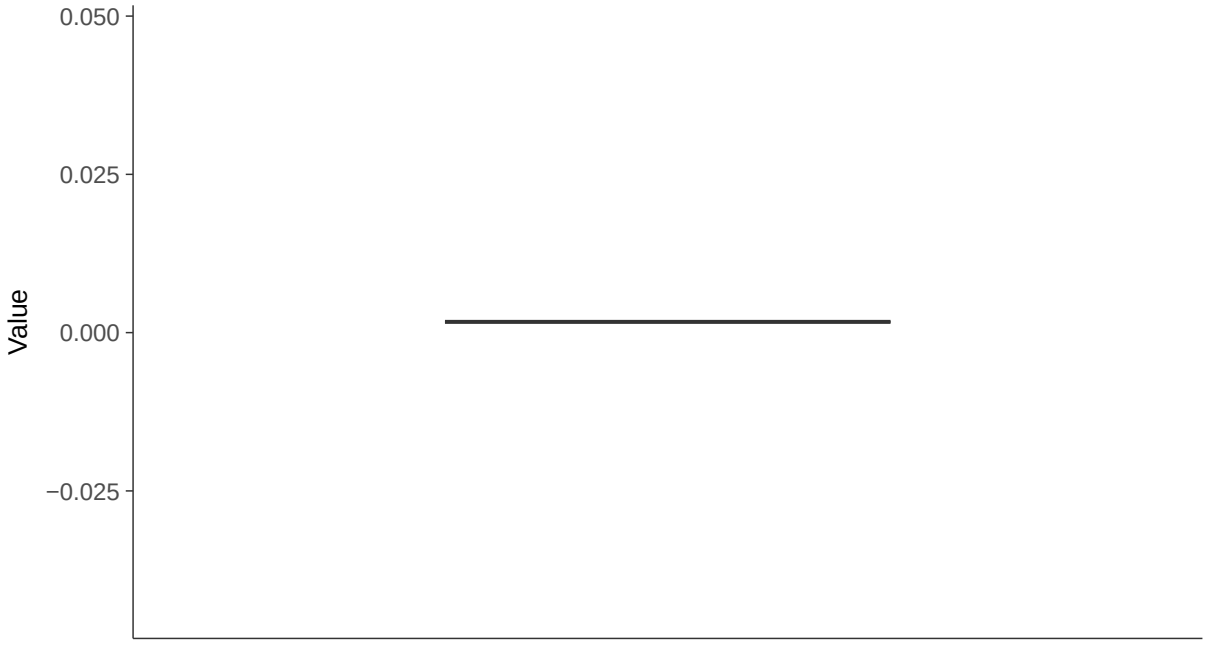
ID: 18_5_111





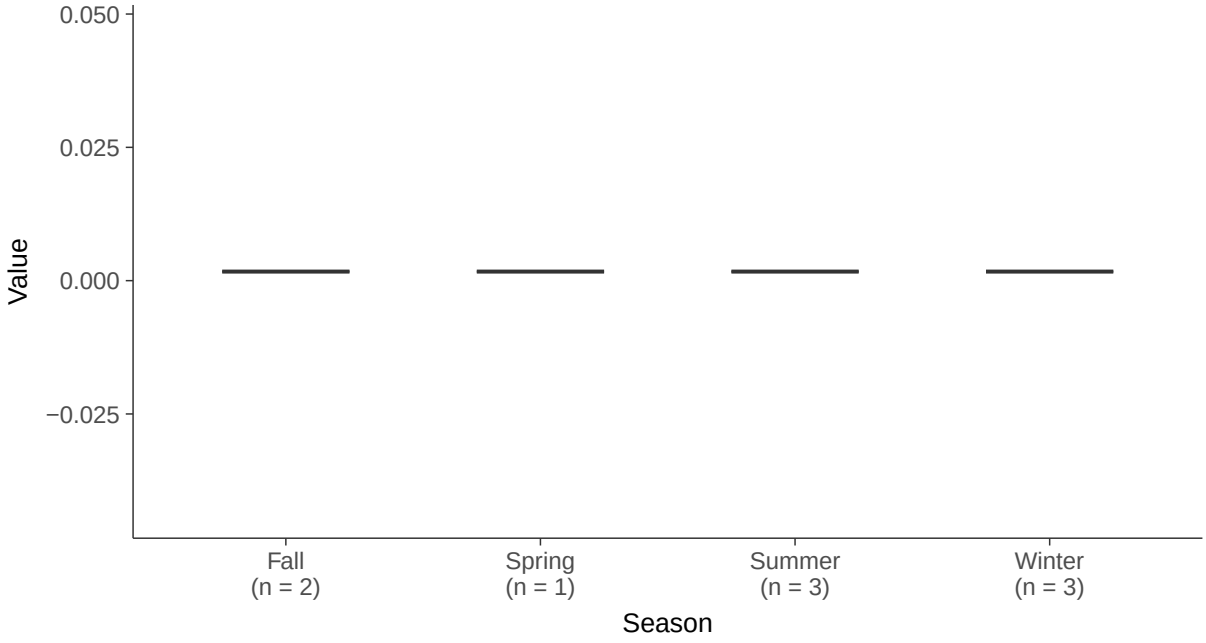
Boxplot

Copper, MW-19C (mg/l)



Boxplot by Season

Copper, MW-19C (mg/l)

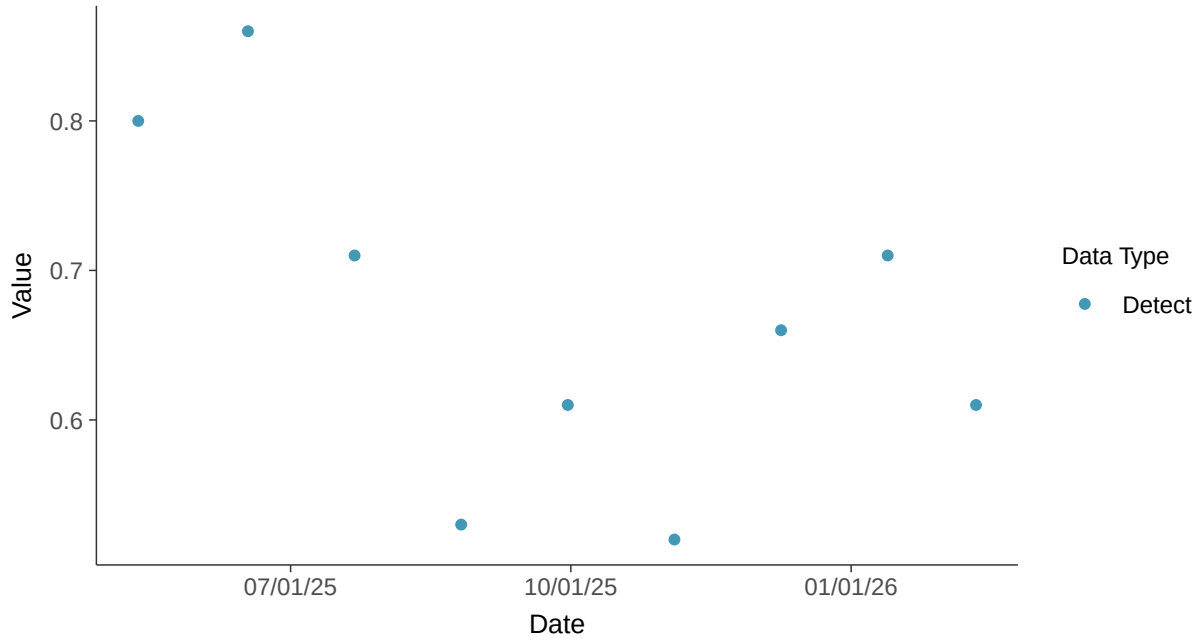


Part 115: Iron, MW-19C

ID: 18_5_114

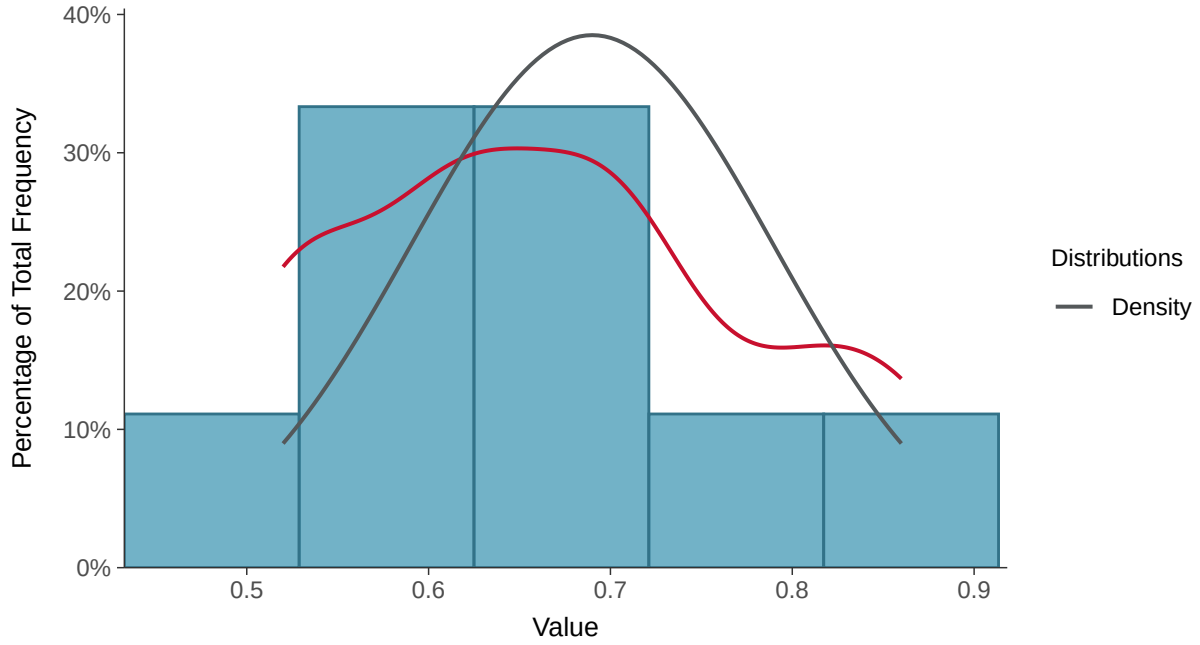
Scatter Plot

Iron, MW-19C (mg/l)



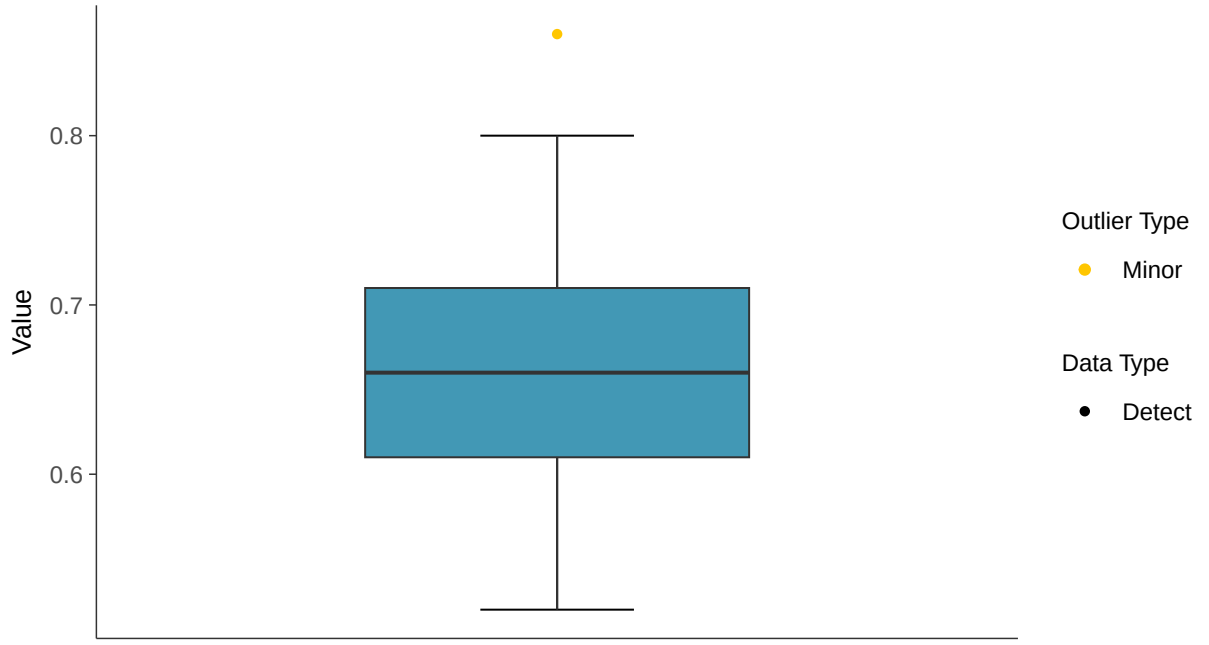
Histogram

Iron, MW-19C (mg/l)



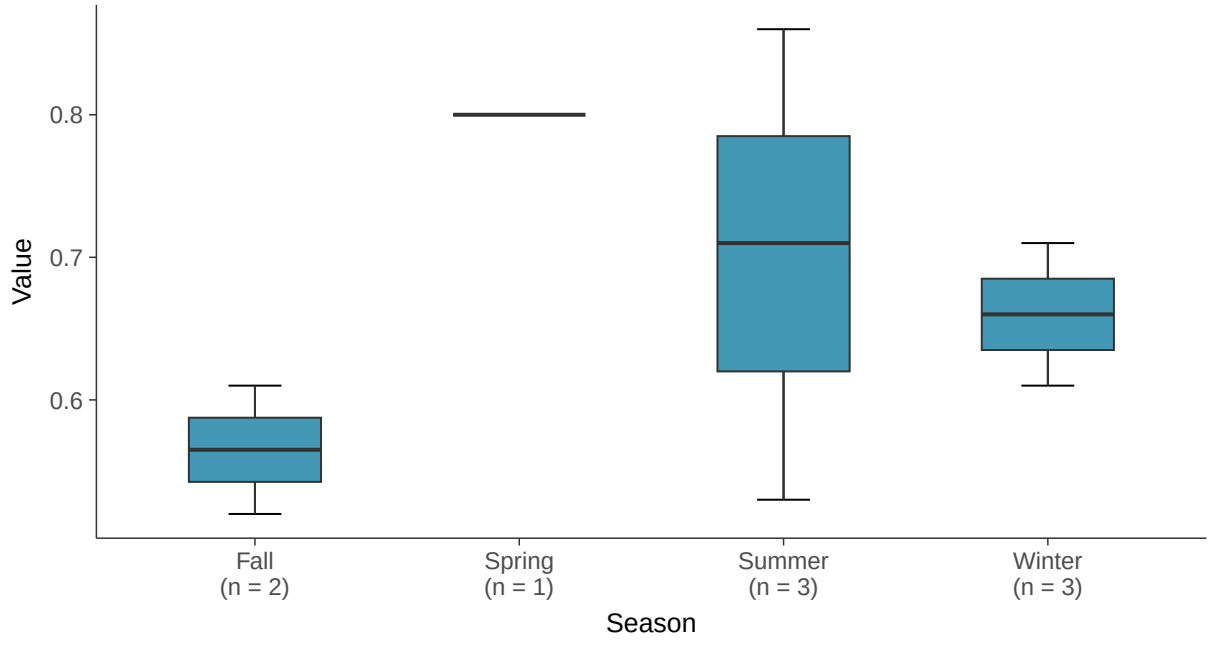
Boxplot

Iron, MW-19C (mg/l)



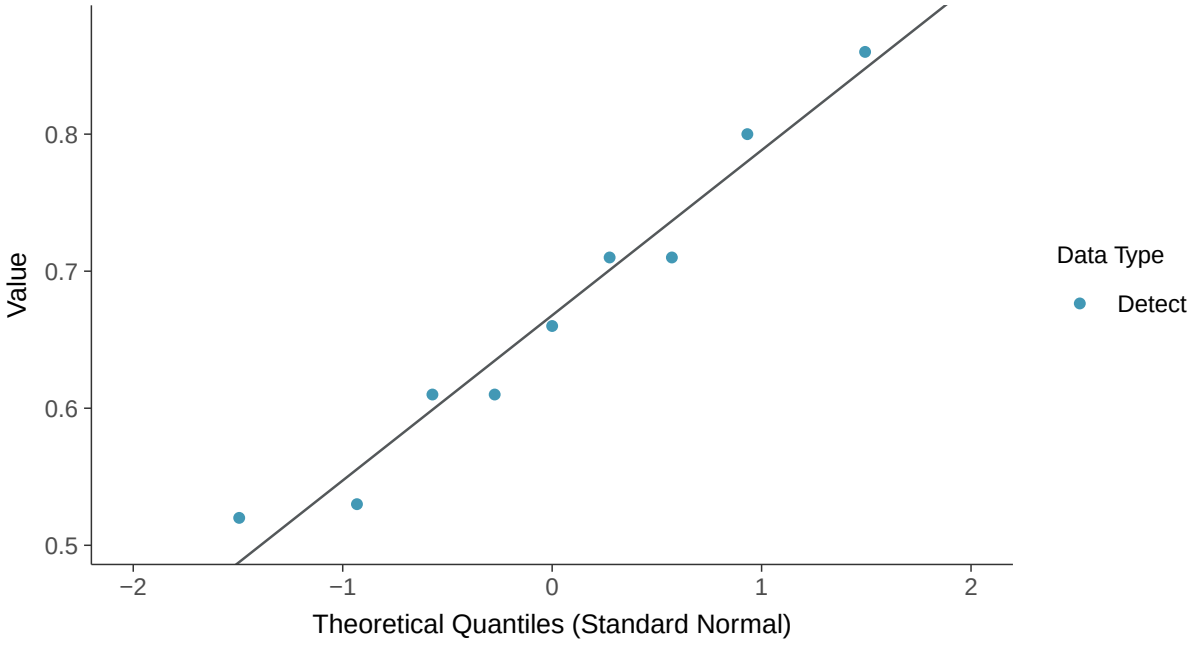
Boxplot by Season

Iron, MW-19C (mg/l)



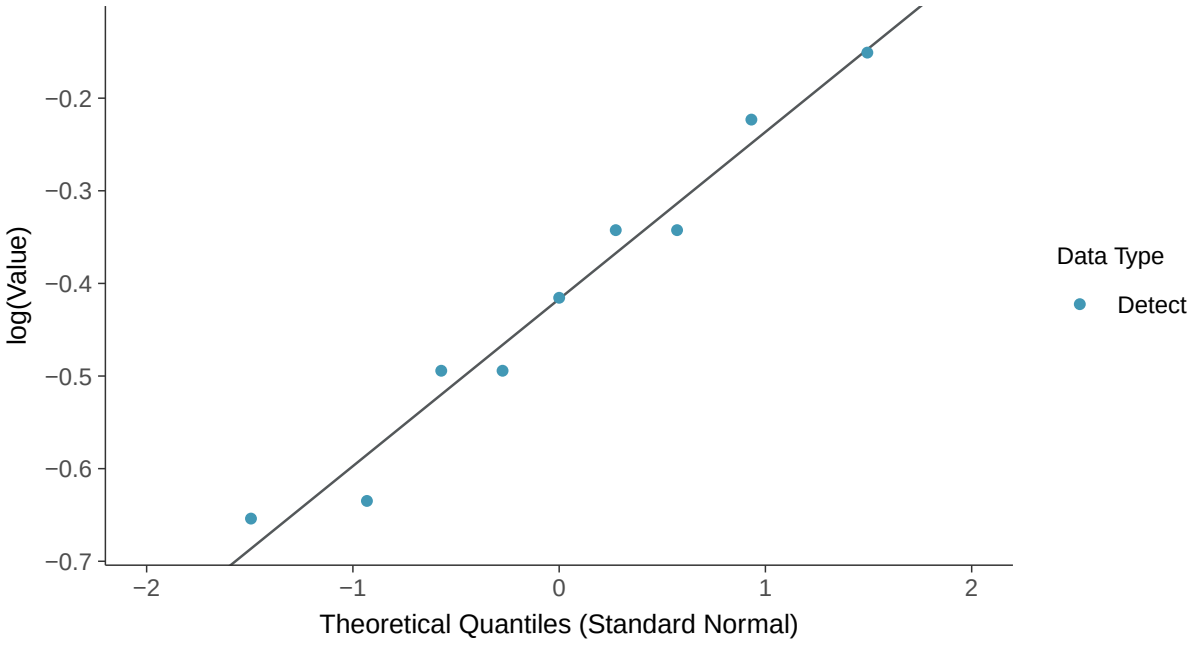
Normal Q-Q plot

Iron, MW-19C (mg/l)



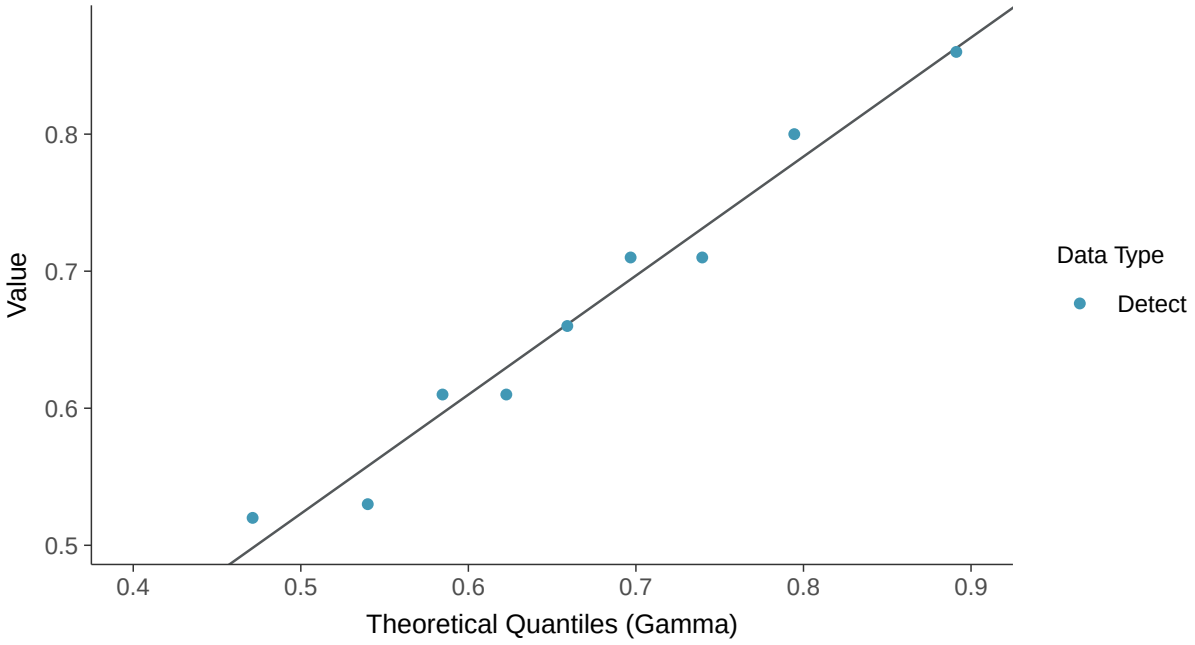
Lognormal Q-Q plot

Iron, MW-19C (mg/l)



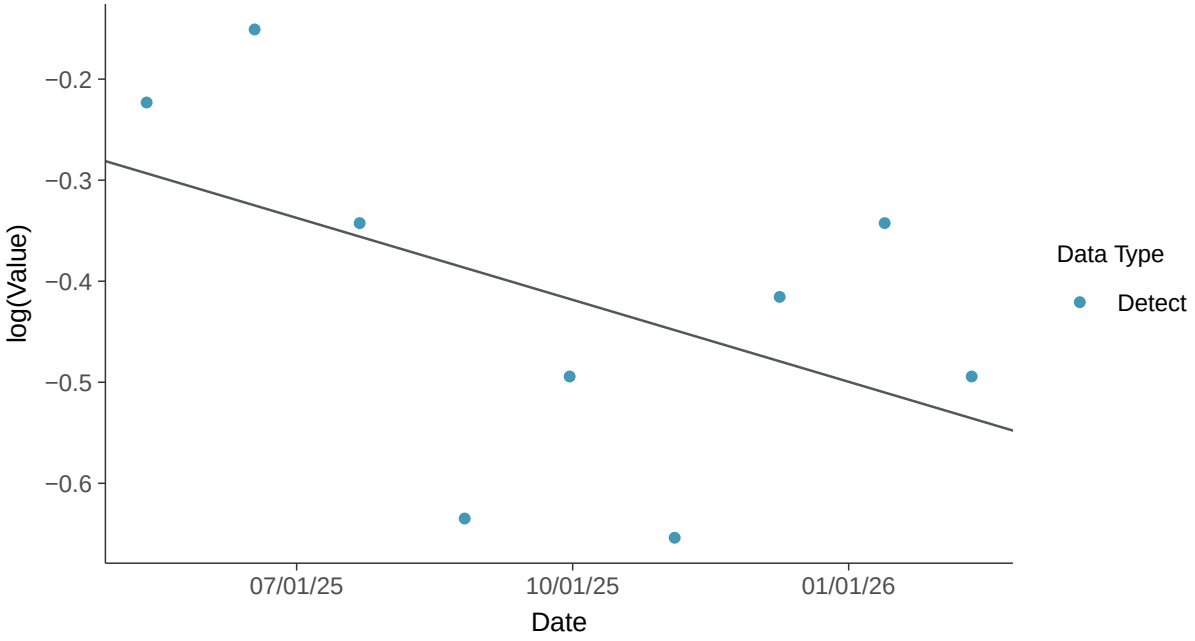
Gamma Q-Q plot

Iron, MW-19C (mg/l)



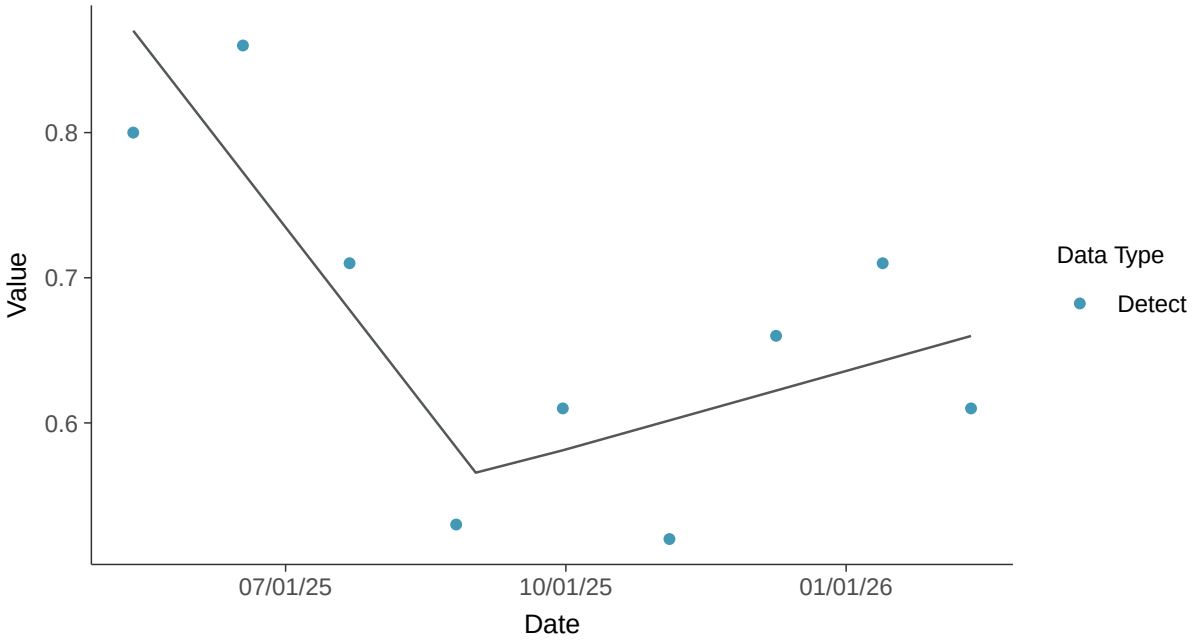
Trend Regression: Lognormal MLE

Iron, MW-19C (mg/l)



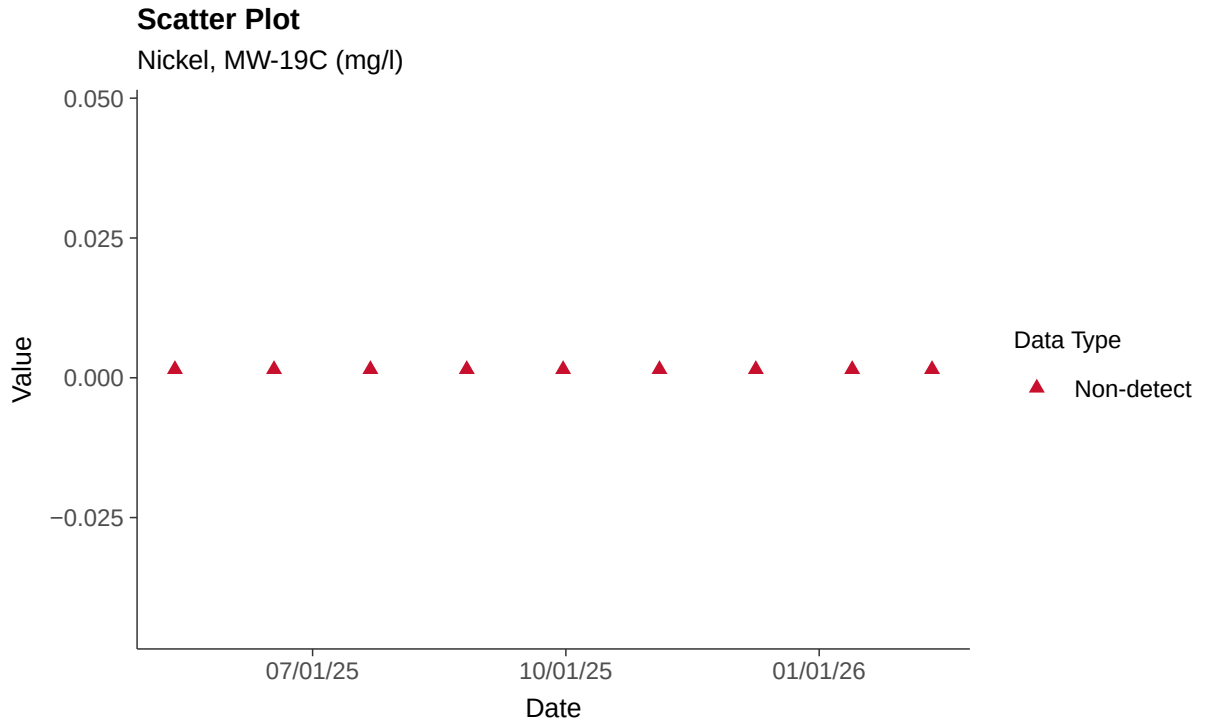
Trend Regression: Piecewise Linear-Linear

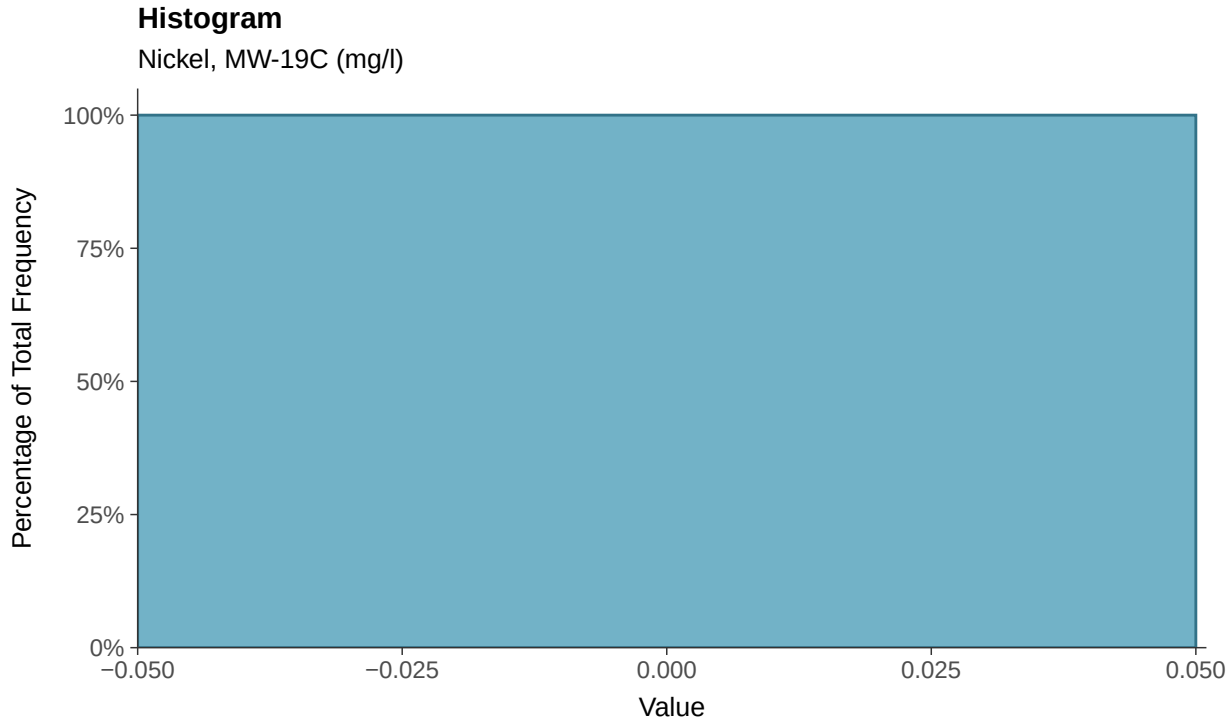
Iron, MW-19C (mg/l)



Part 115: Nickel, MW-19C

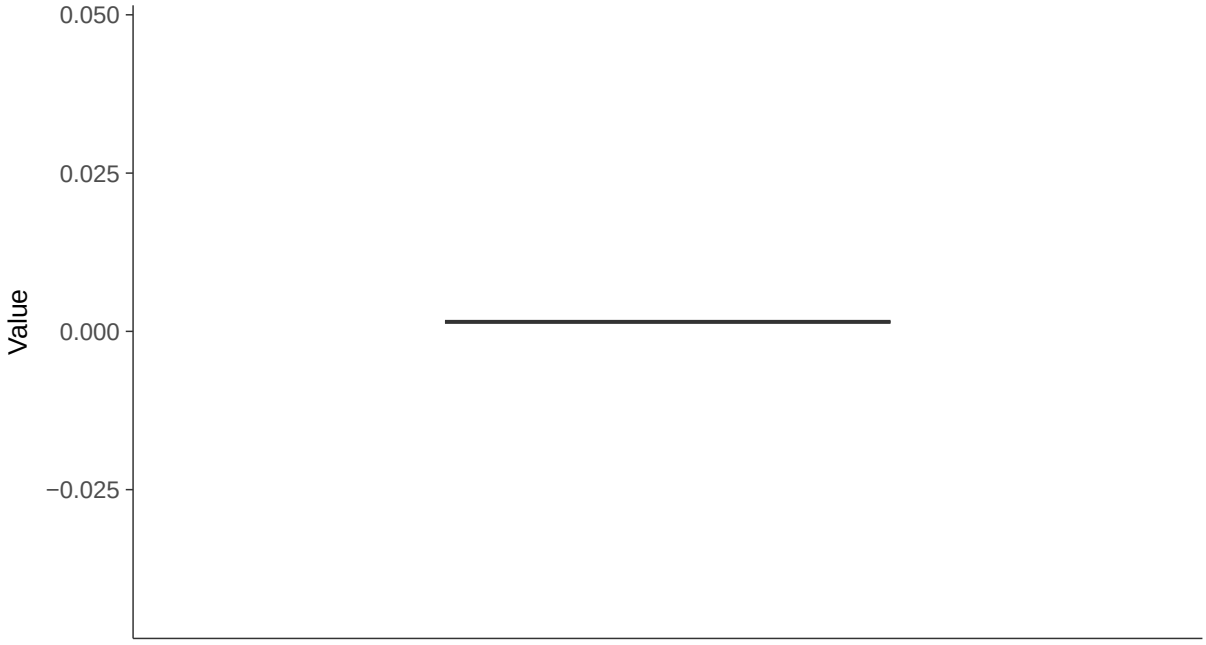
ID: 18_5_119





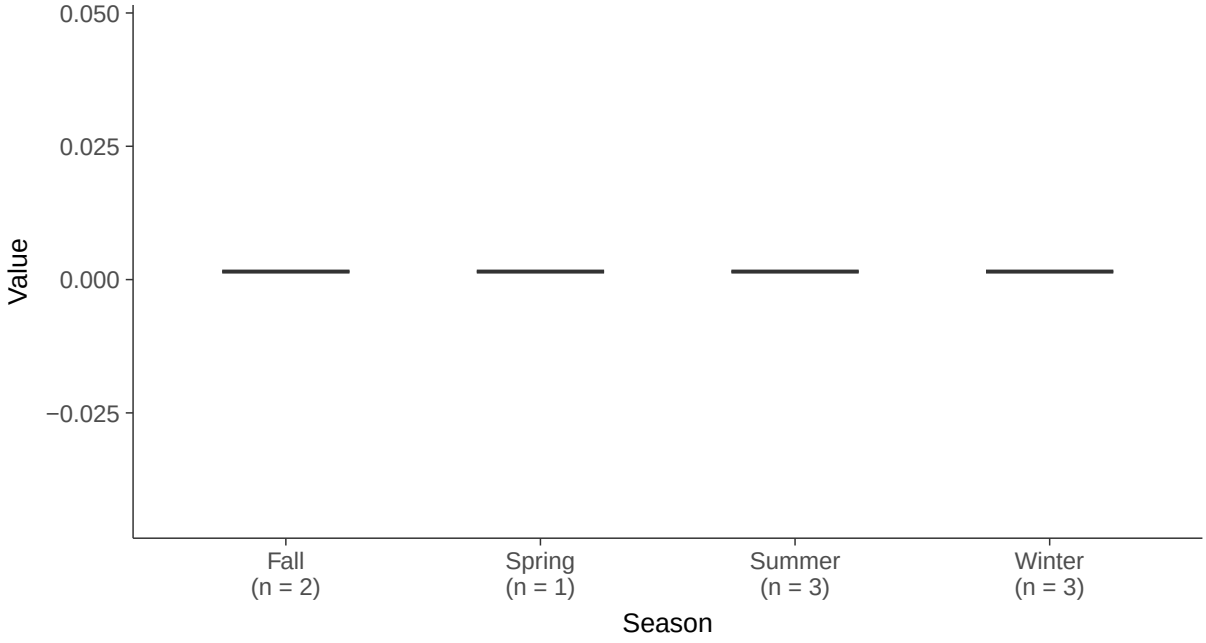
Boxplot

Nickel, MW-19C (mg/l)



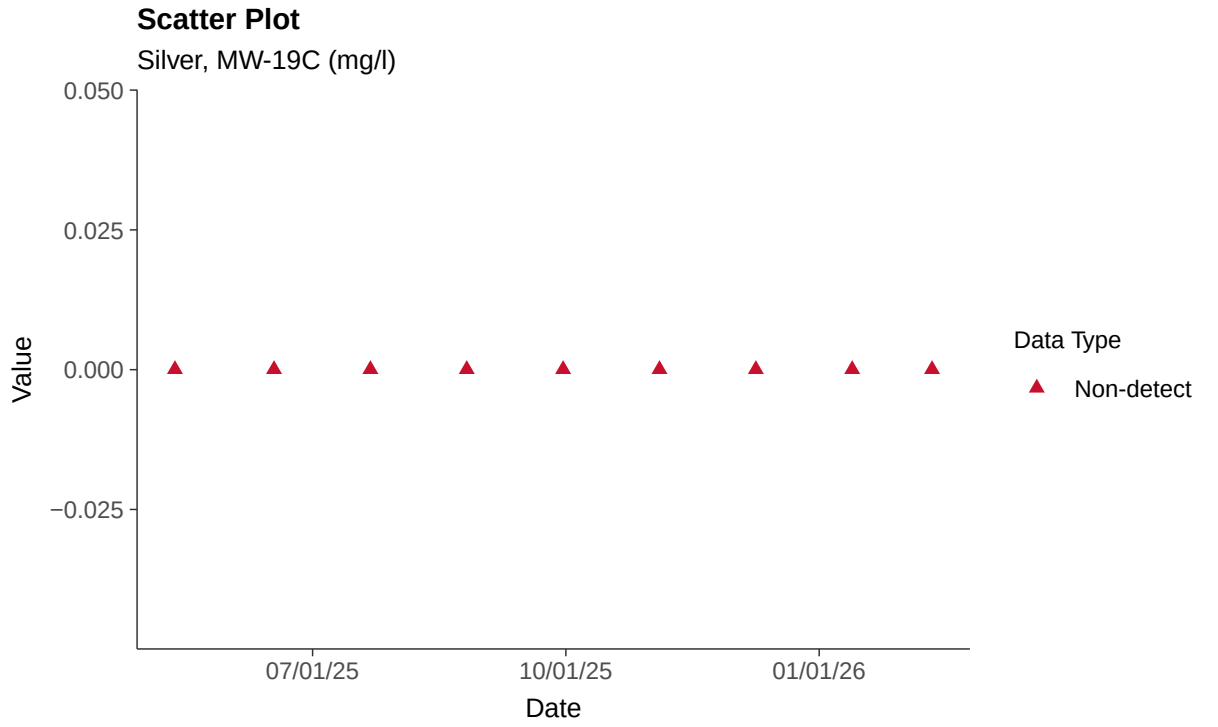
Boxplot by Season

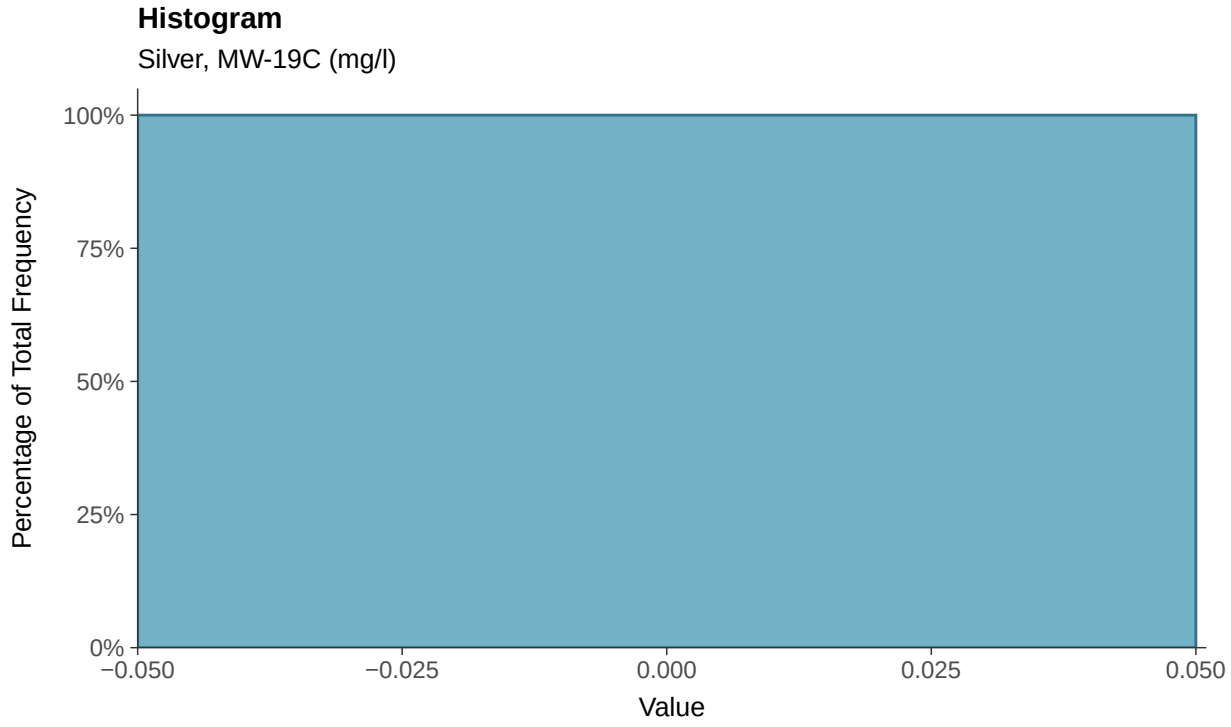
Nickel, MW-19C (mg/l)



Part 115: Silver, MW-19C

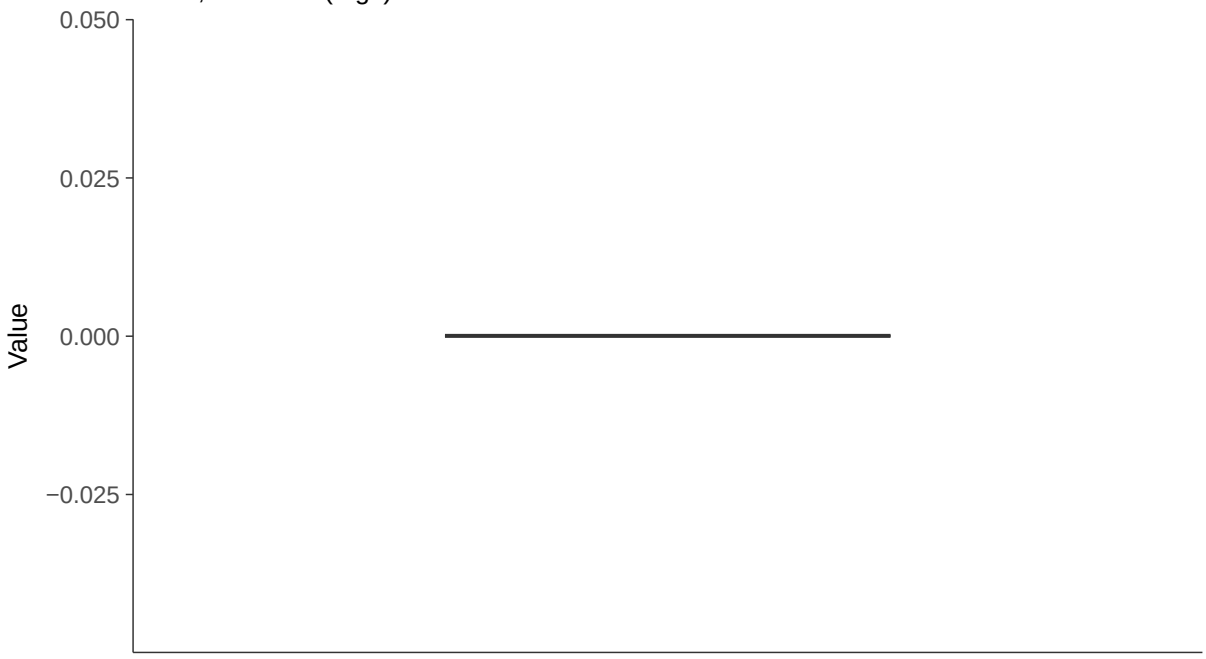
ID: 18_5_123





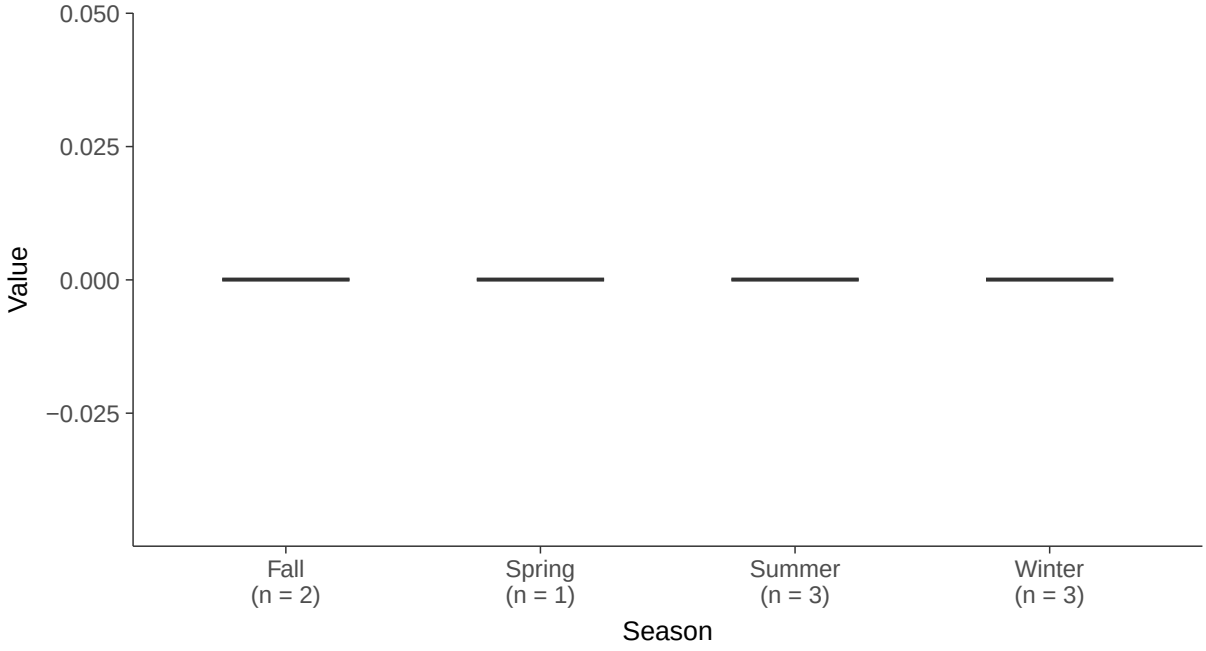
Boxplot

Silver, MW-19C (mg/l)



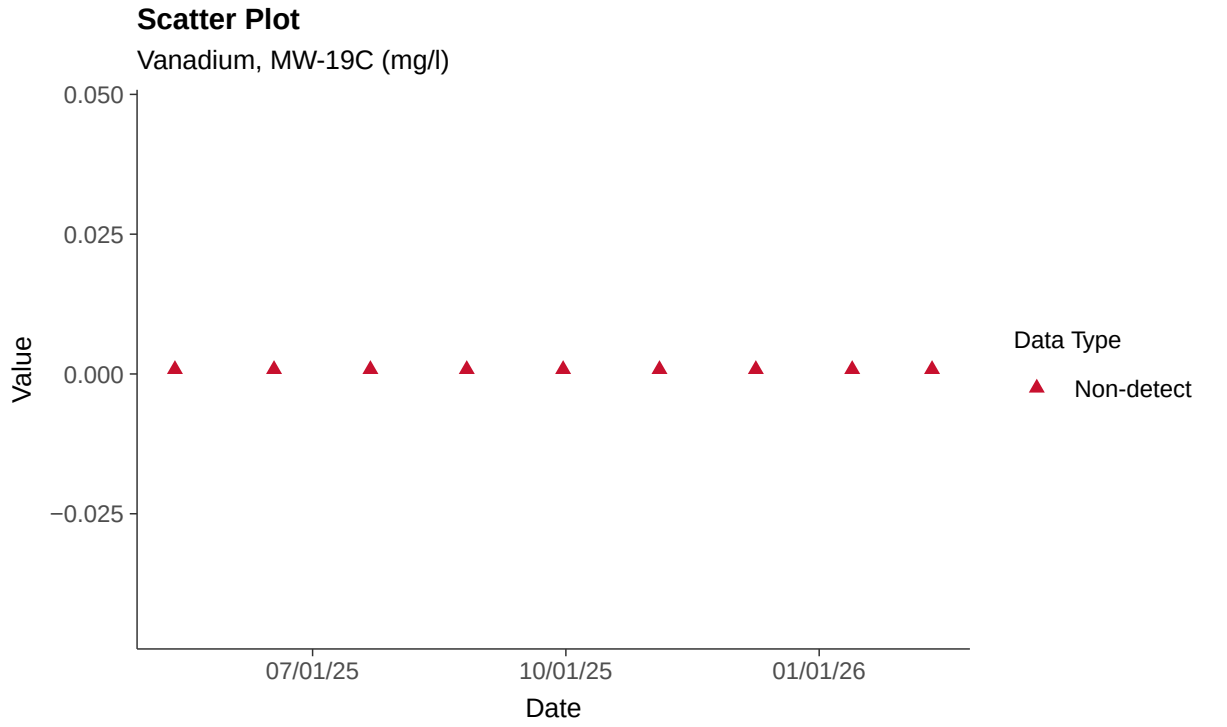
Boxplot by Season

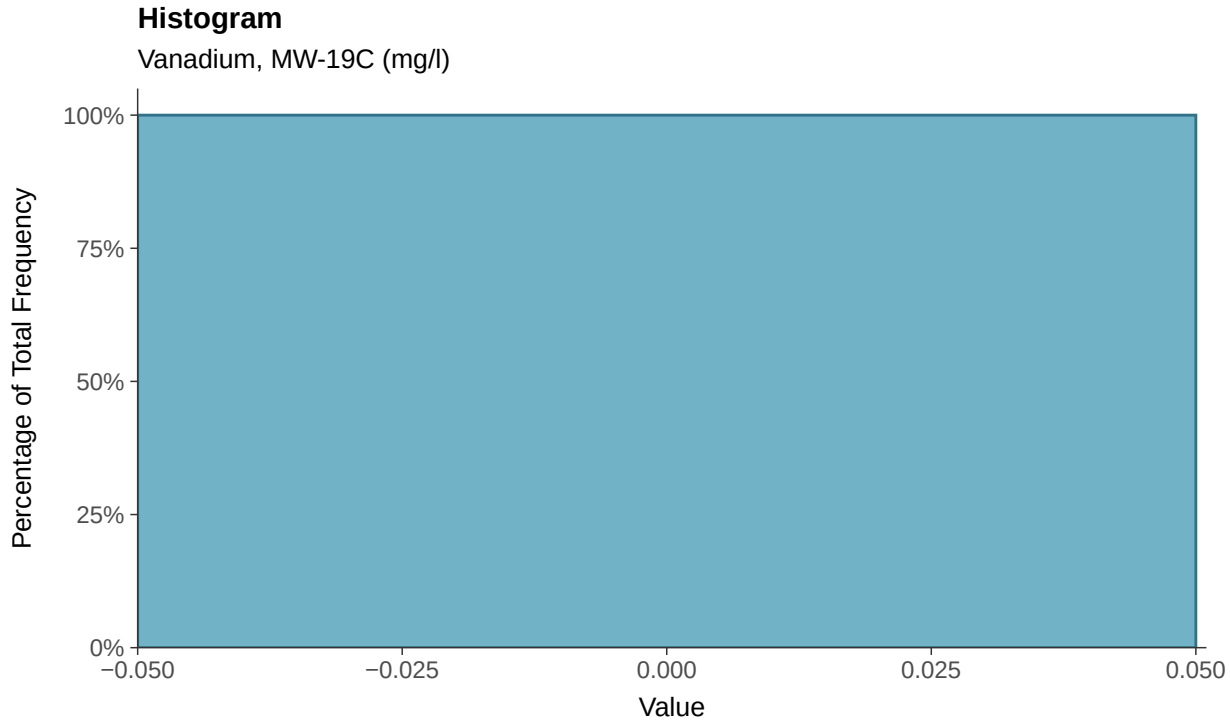
Silver, MW-19C (mg/l)



Part 115: Vanadium, MW-19C

ID: 18_5_128



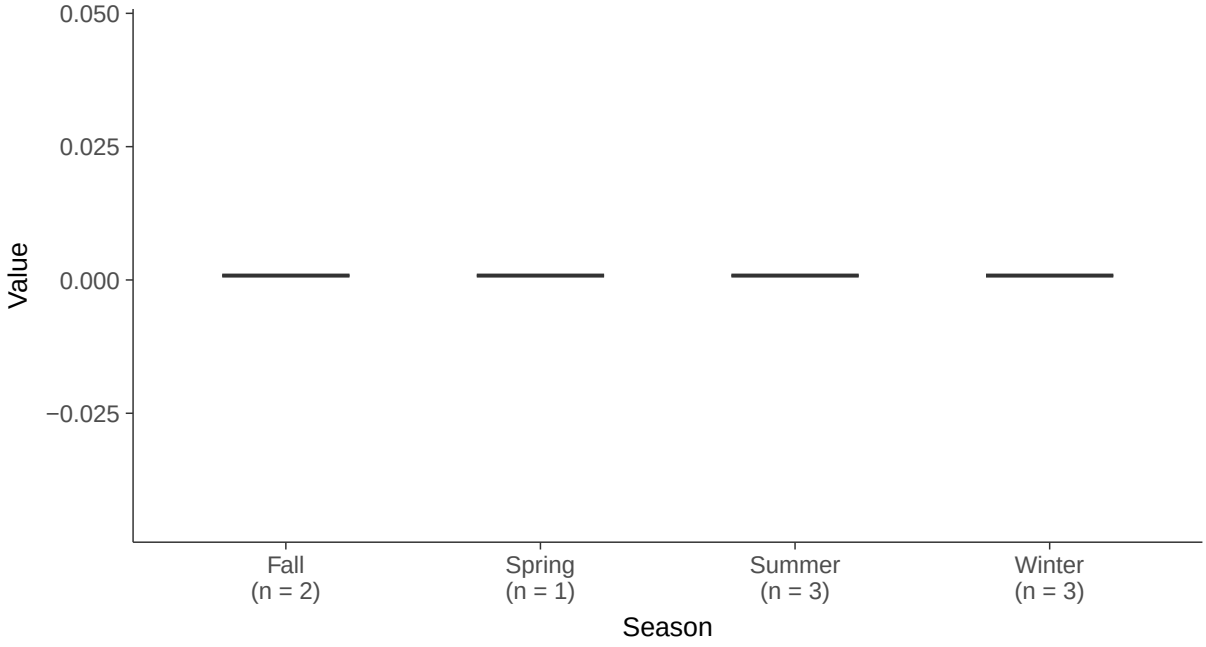


Boxplot

Vanadium, MW-19C (mg/l)

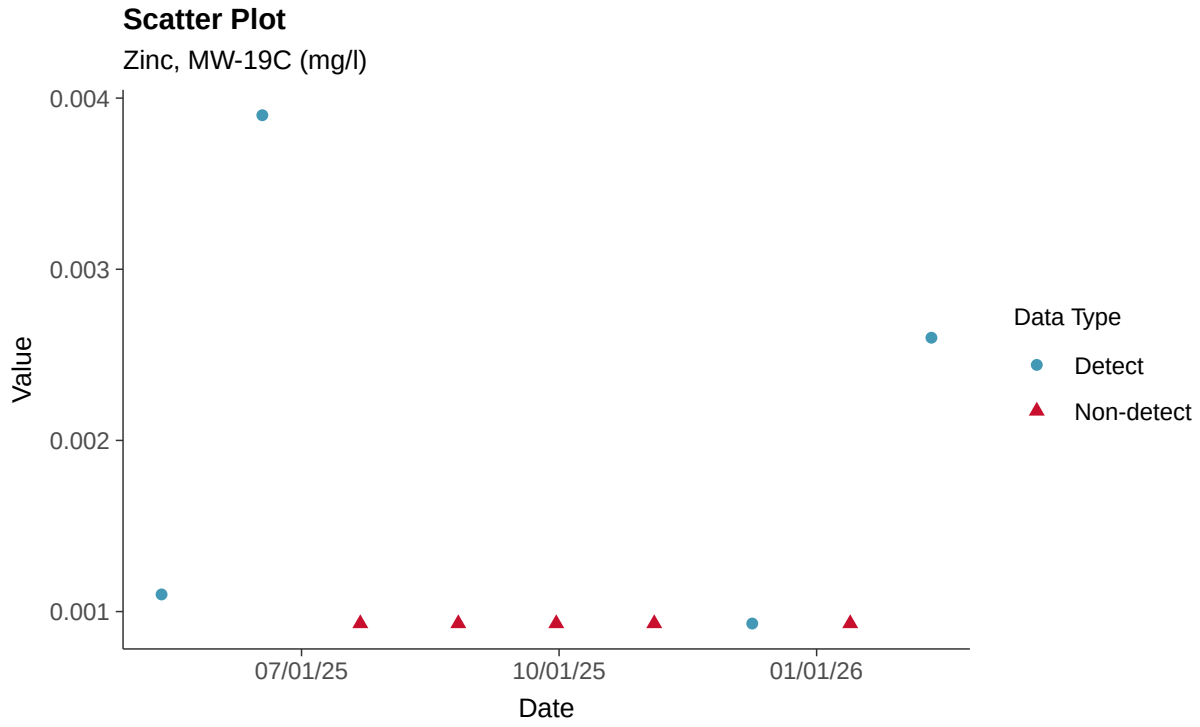
Boxplot by Season

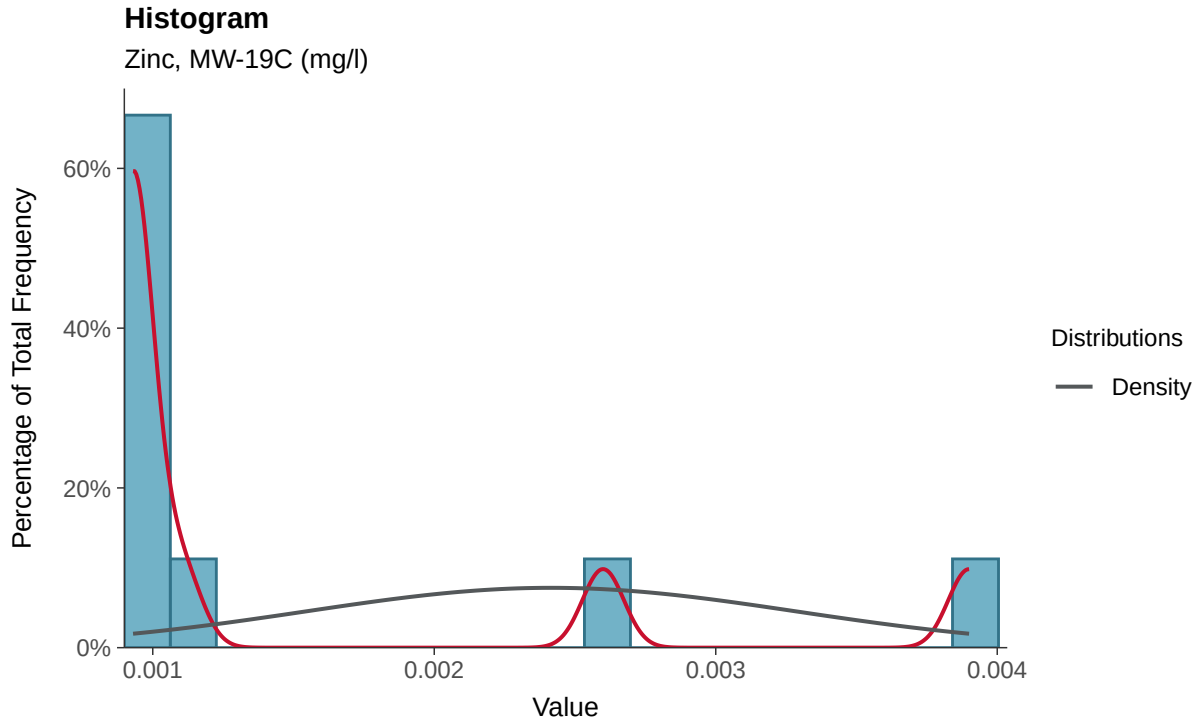
Vanadium, MW-19C (mg/l)



Part 115: Zinc, MW-19C

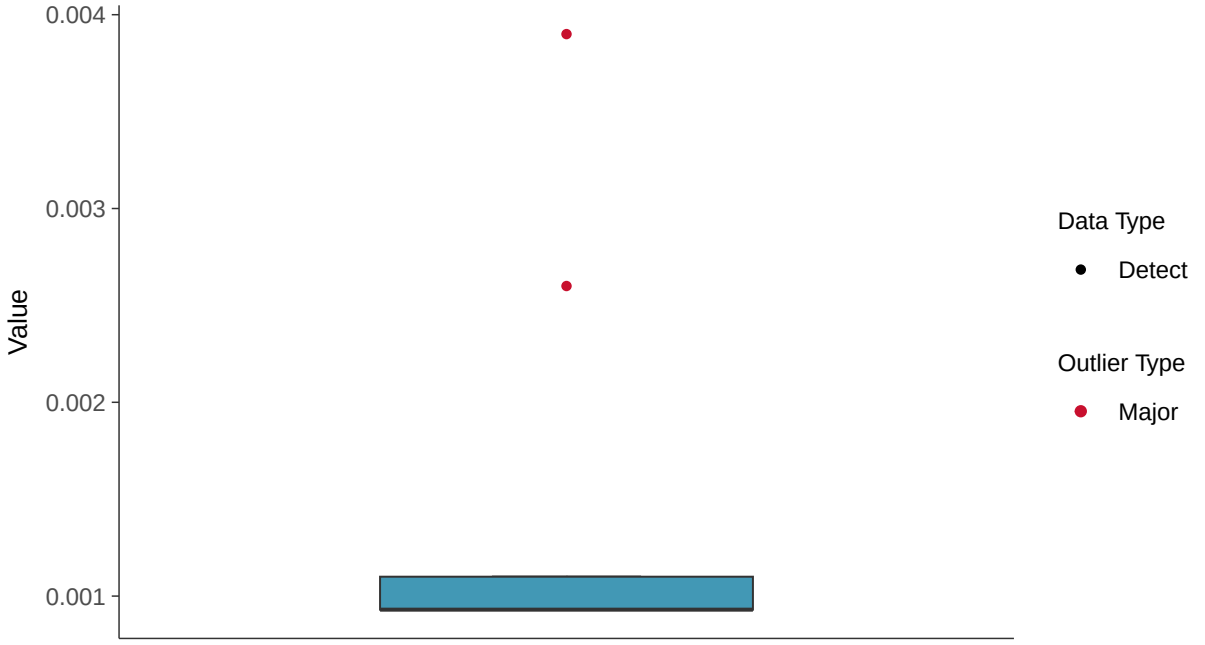
ID: 18_5_129





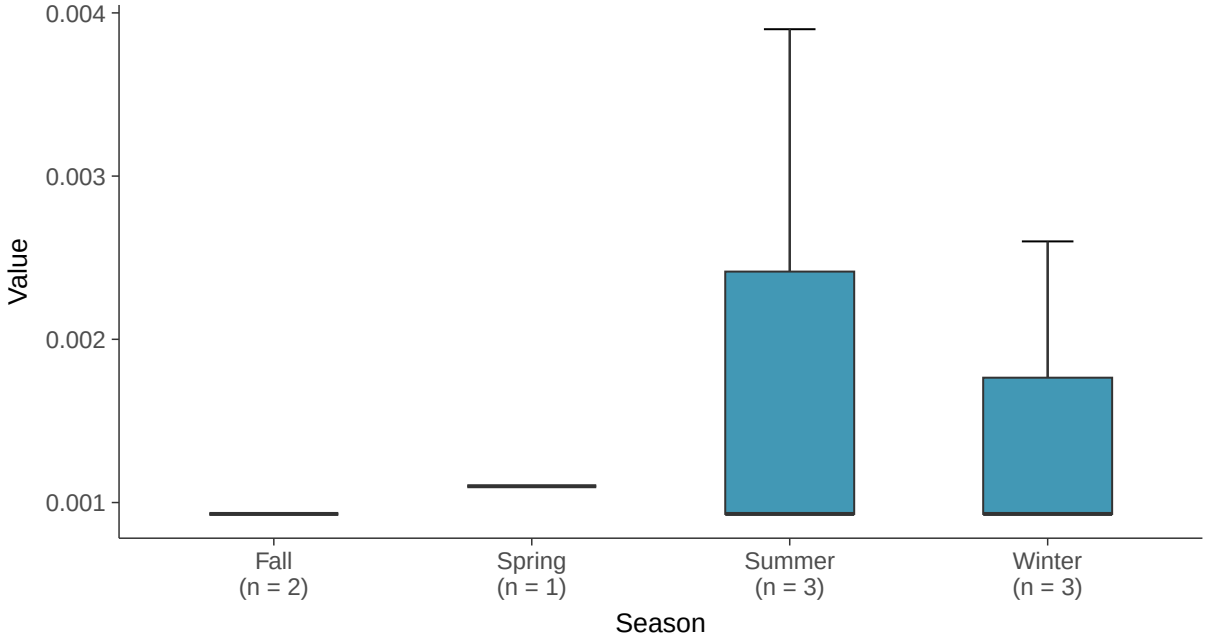
Boxplot

Zinc, MW-19C (mg/l)



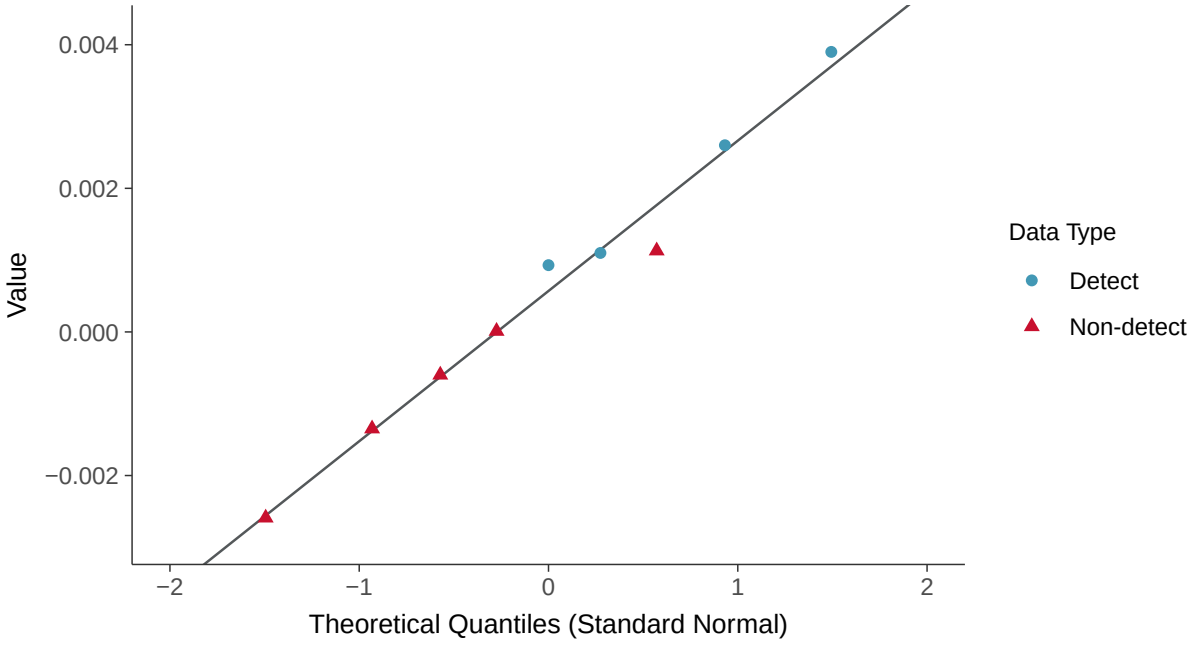
Boxplot by Season

Zinc, MW-19C (mg/l)



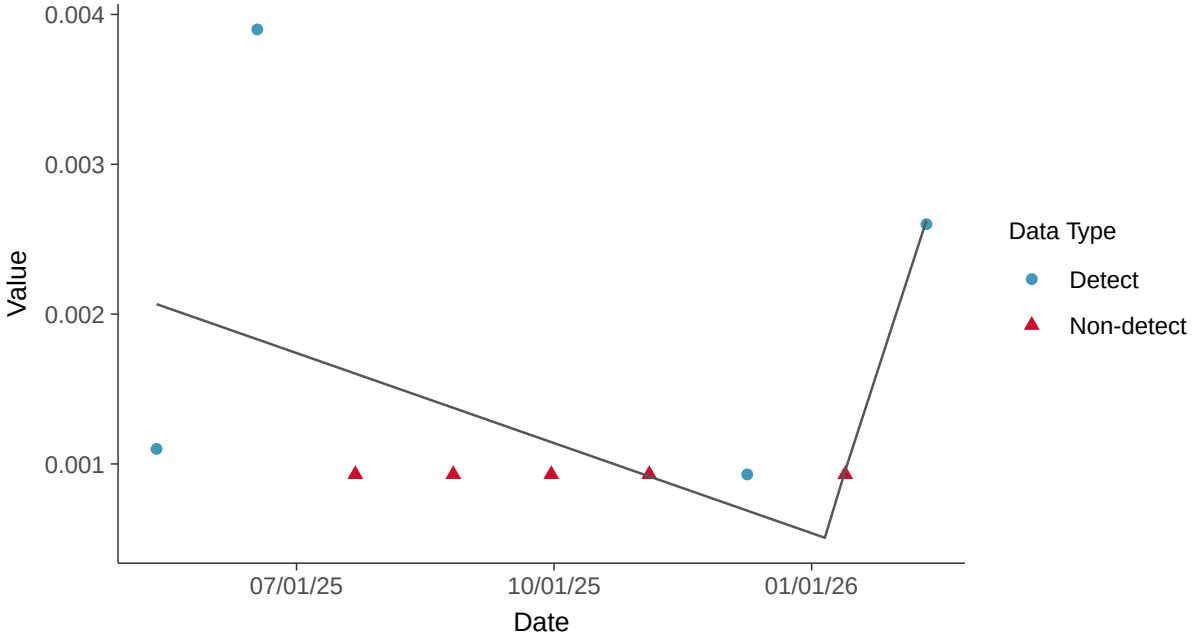
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-19C (mg/l)



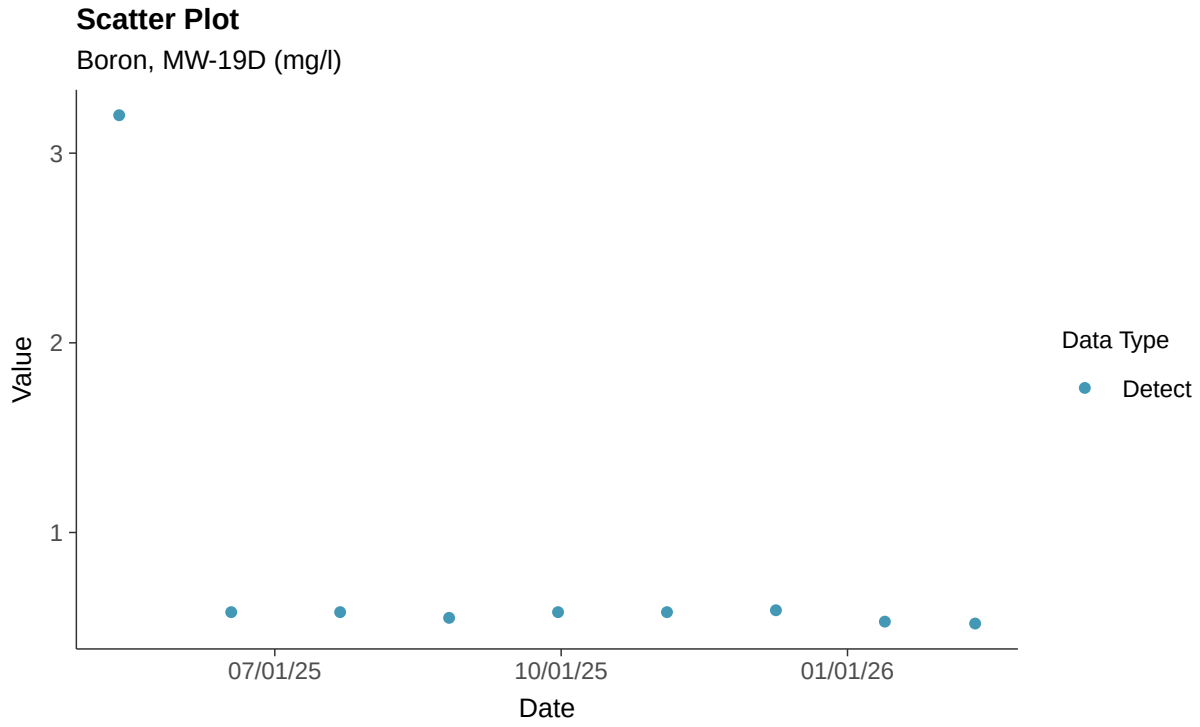
Trend Regression: Piecewise Linear-Linear

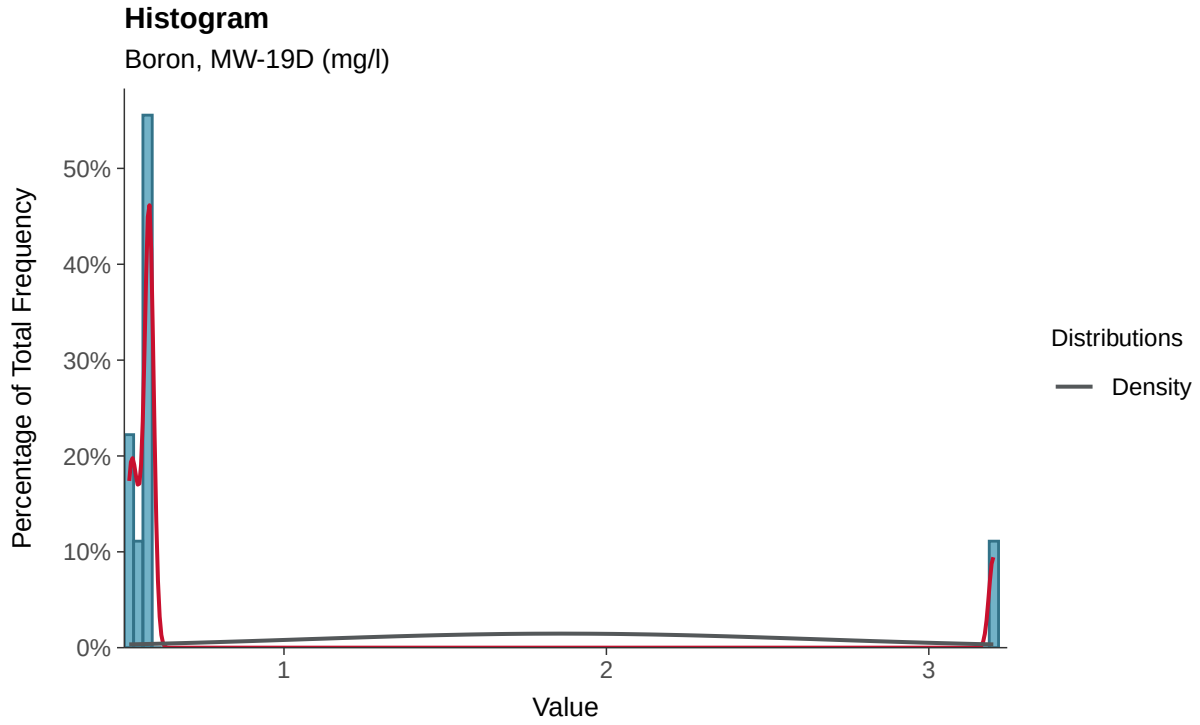
Zinc, MW-19C (mg/l)



Appendix III: Boron, MW-19D

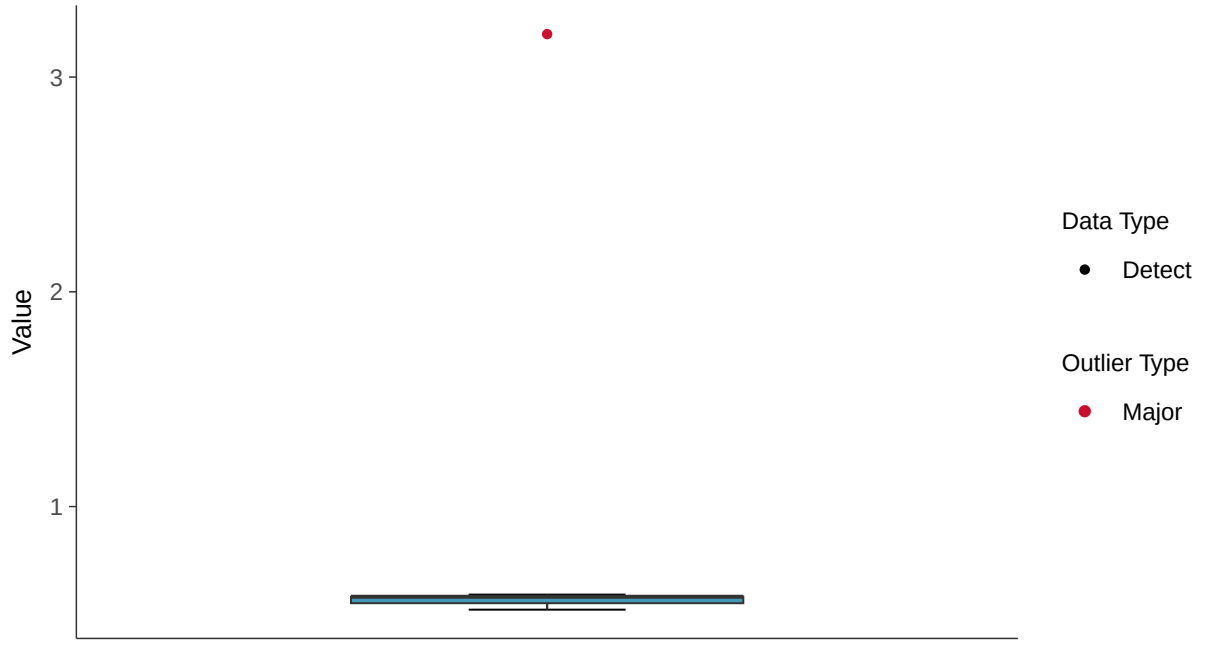
ID: 19_2_105





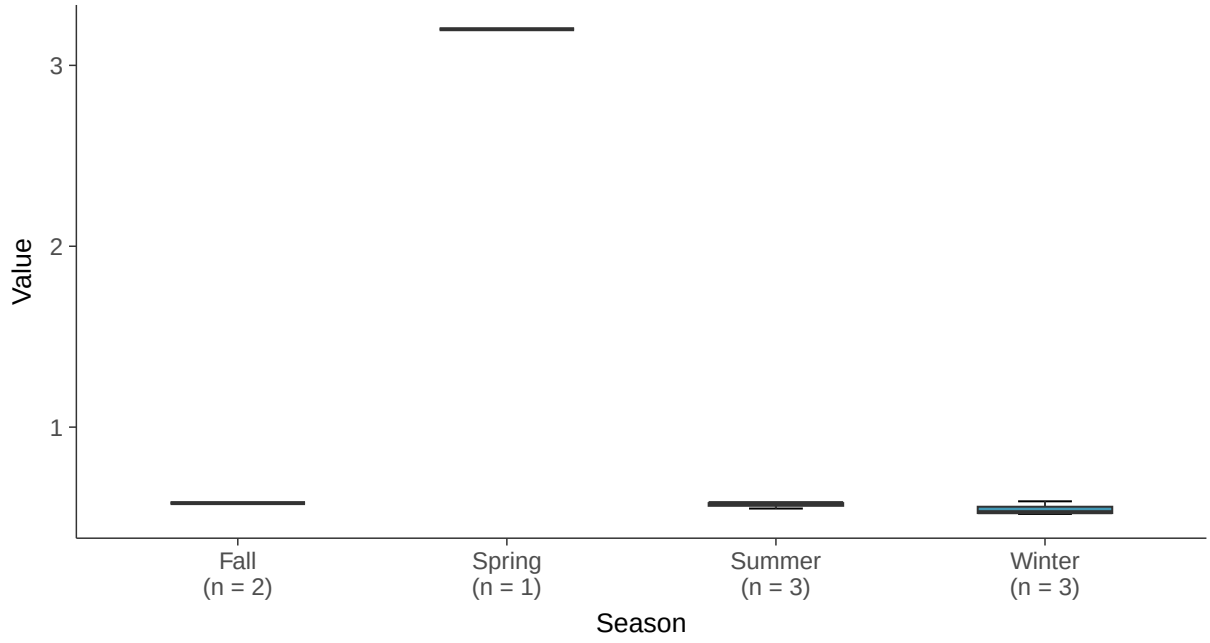
Boxplot

Boron, MW-19D (mg/l)



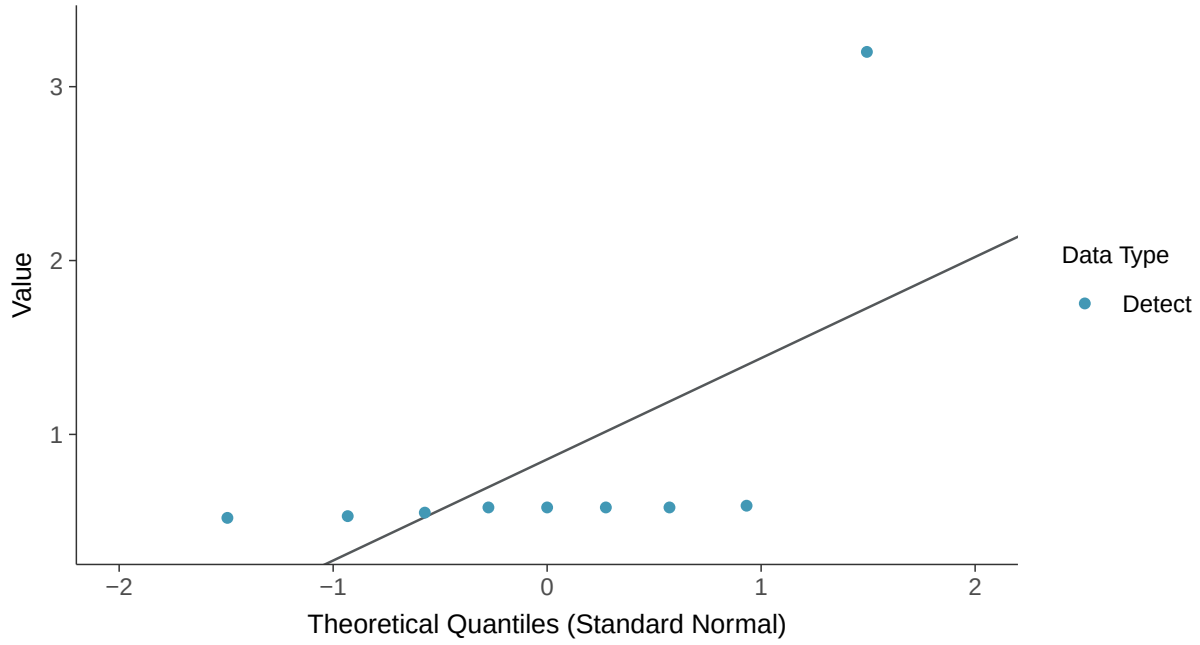
Boxplot by Season

Boron, MW-19D (mg/l)



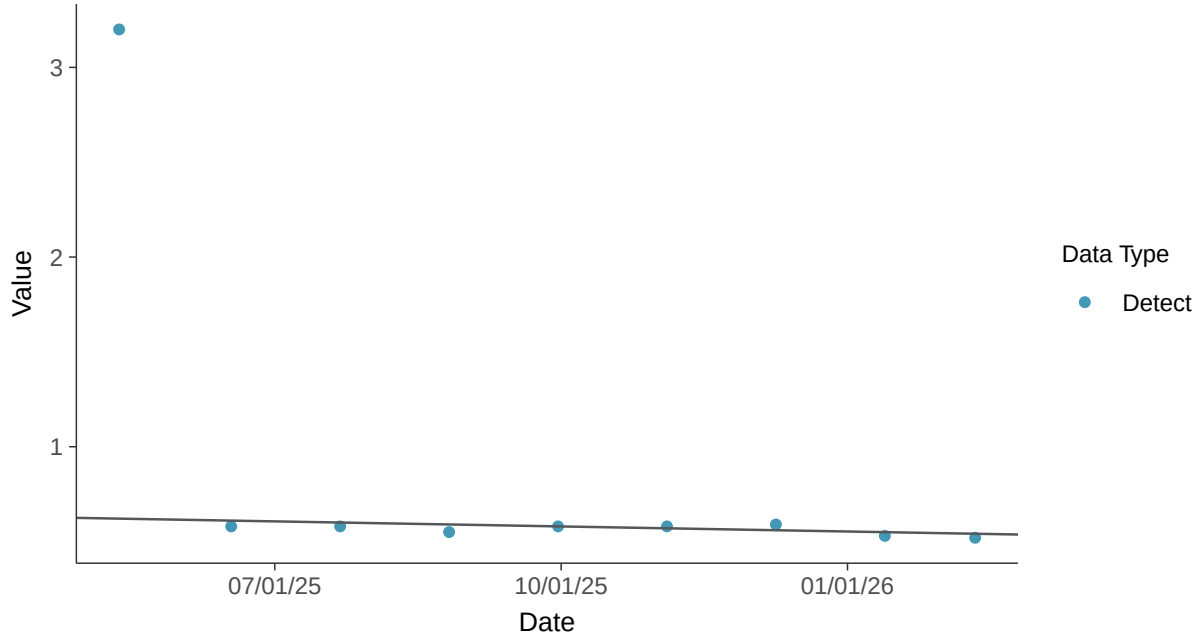
Normal Q-Q plot

Boron, MW-19D (mg/l)



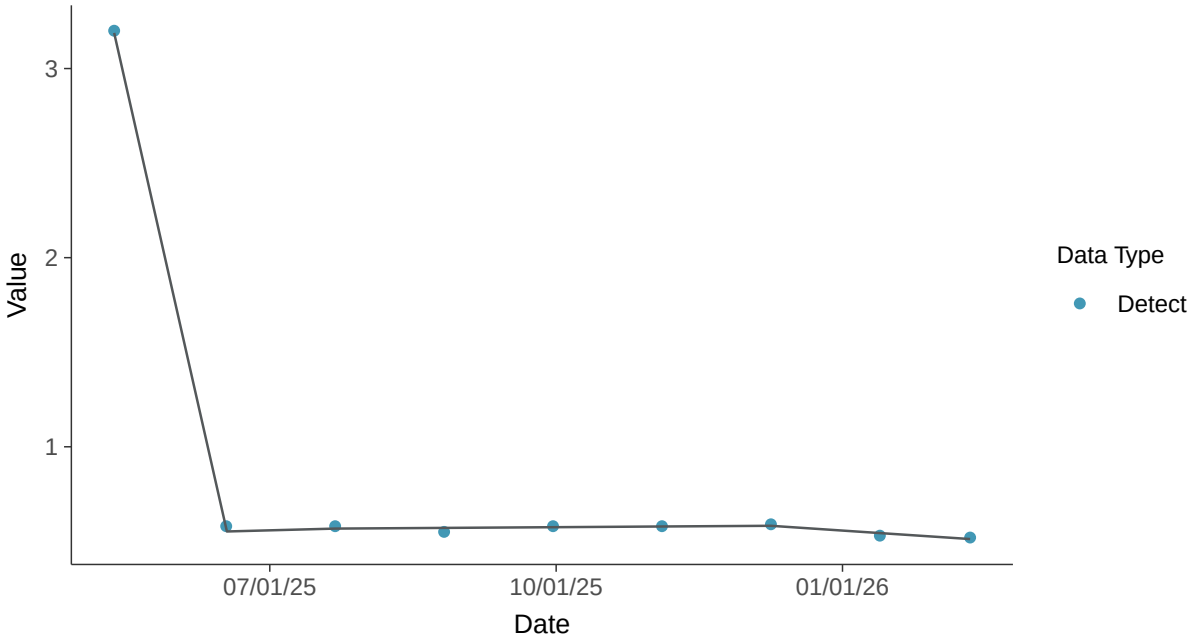
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Boron, MW-19D (mg/l)



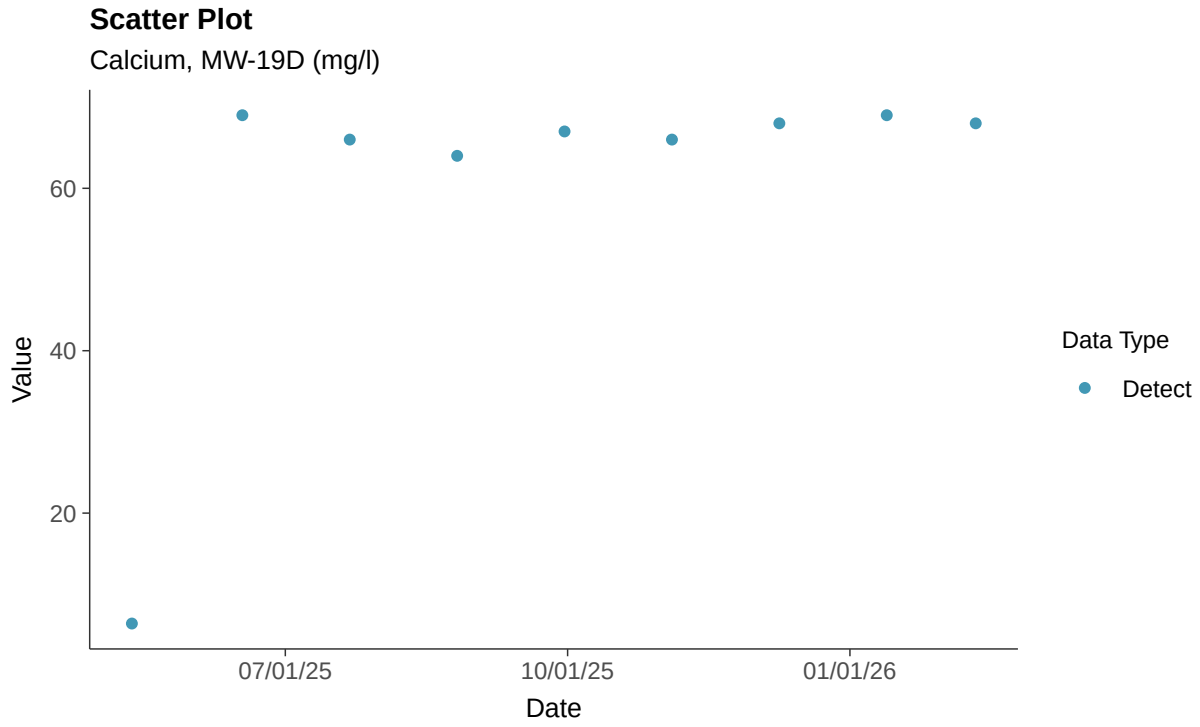
Trend Regression: Piecewise Linear-Linear-Linear

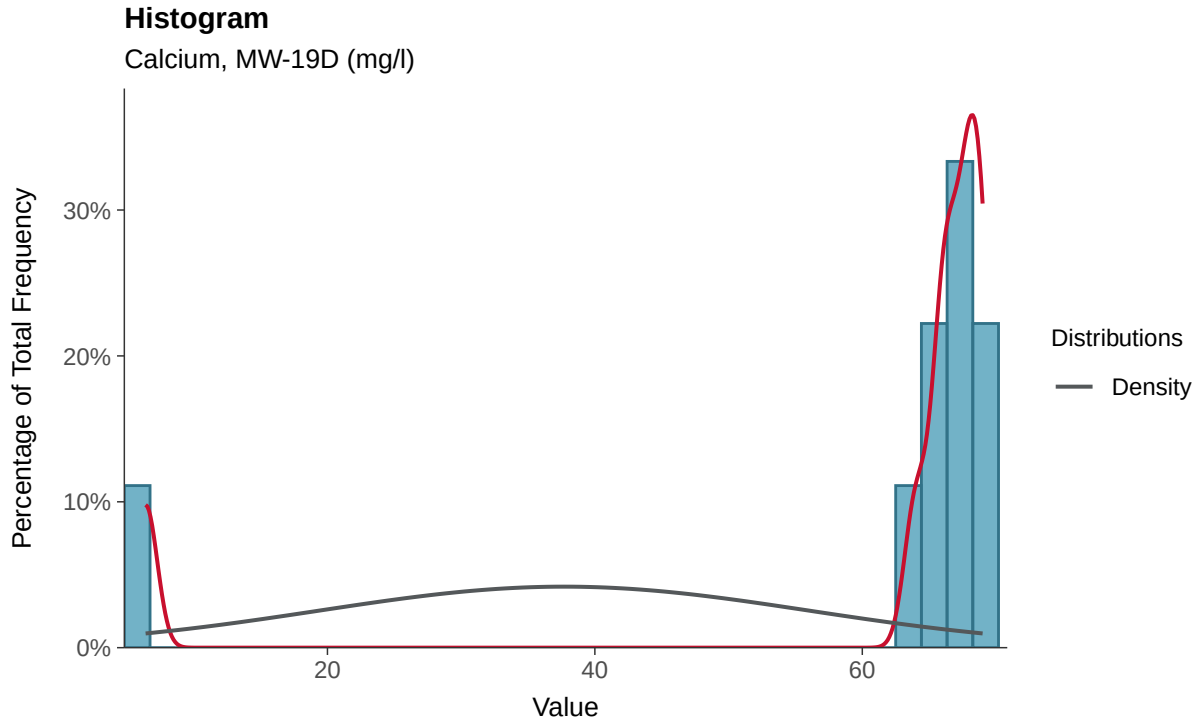
Boron, MW-19D (mg/l)



Appendix III: Calcium, MW-19D

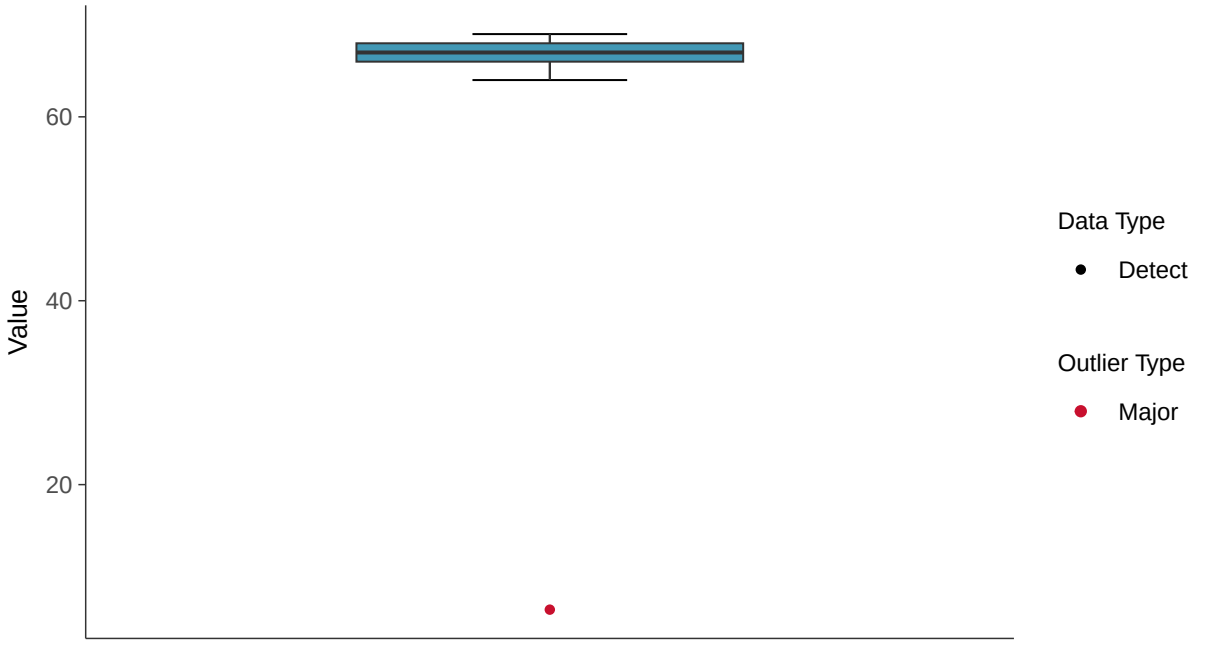
ID: 19_2_107





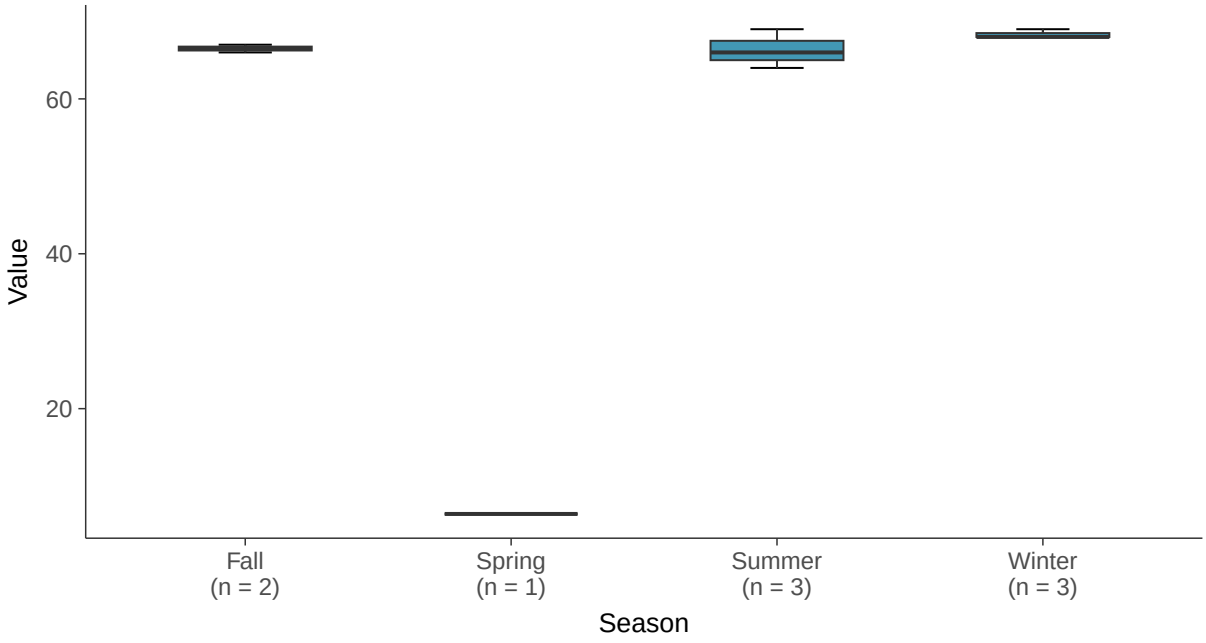
Boxplot

Calcium, MW-19D (mg/l)



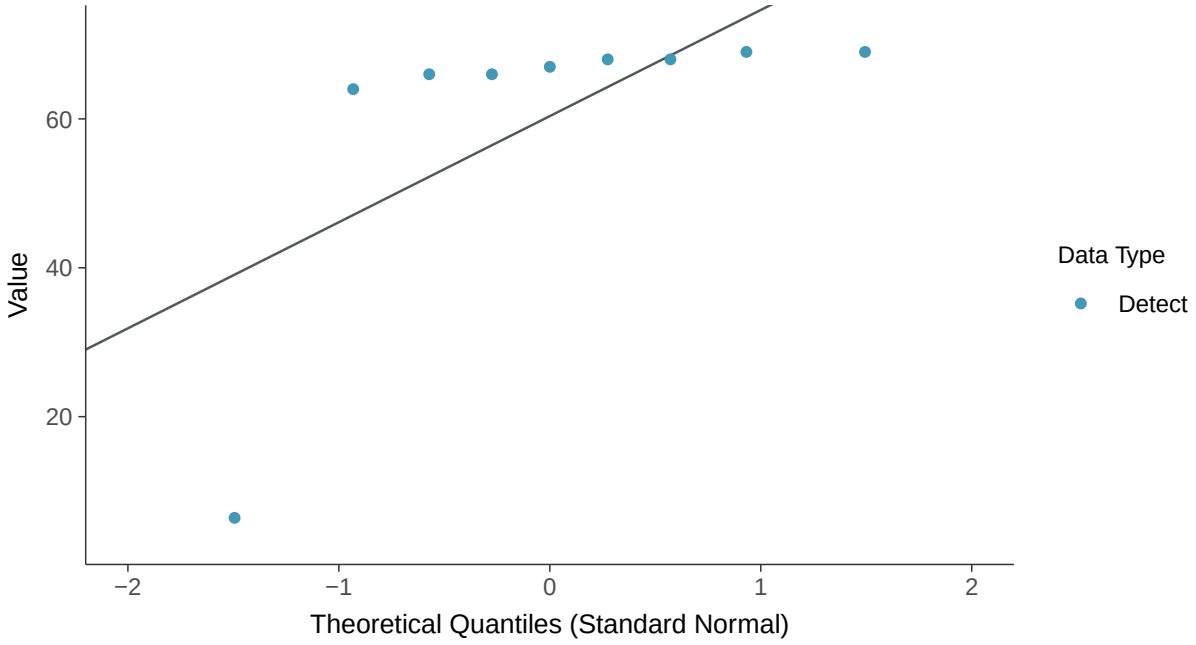
Boxplot by Season

Calcium, MW-19D (mg/l)



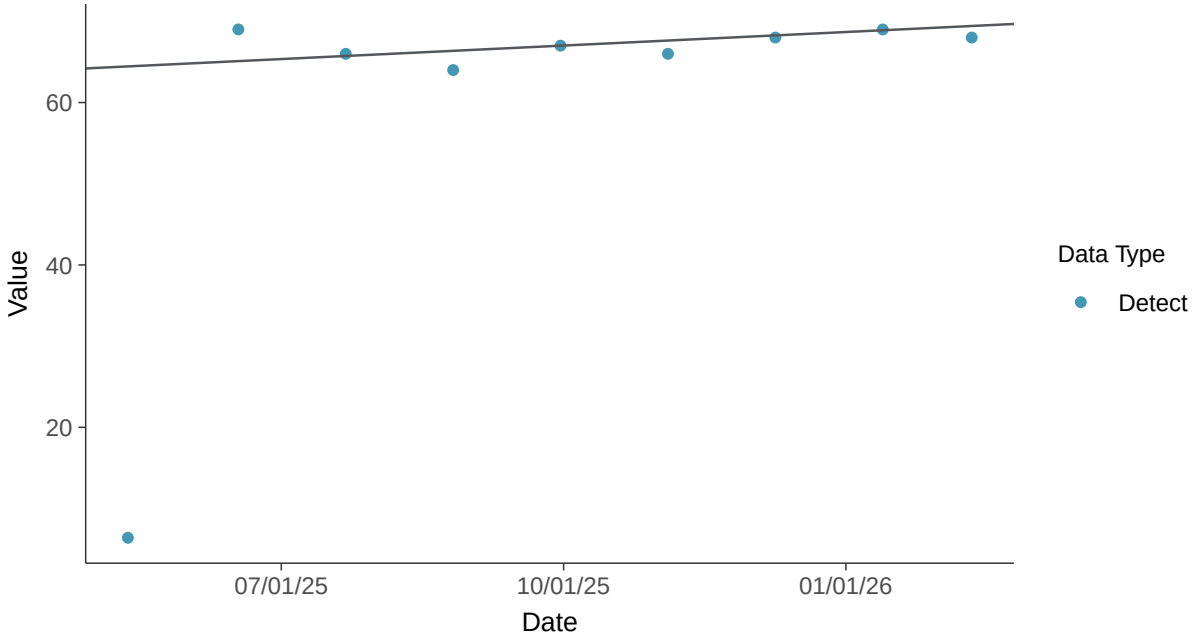
Normal Q-Q plot

Calcium, MW-19D (mg/l)



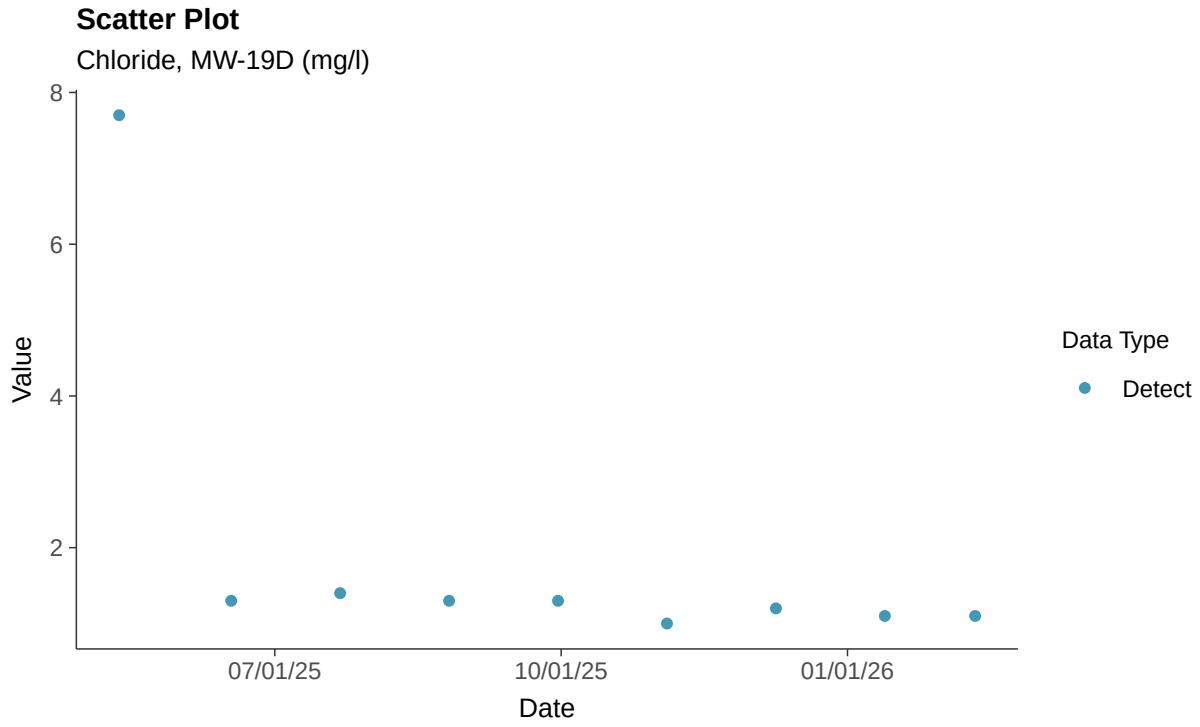
Trend Regression: Mann-Kendall/Theil-Sen Estimate

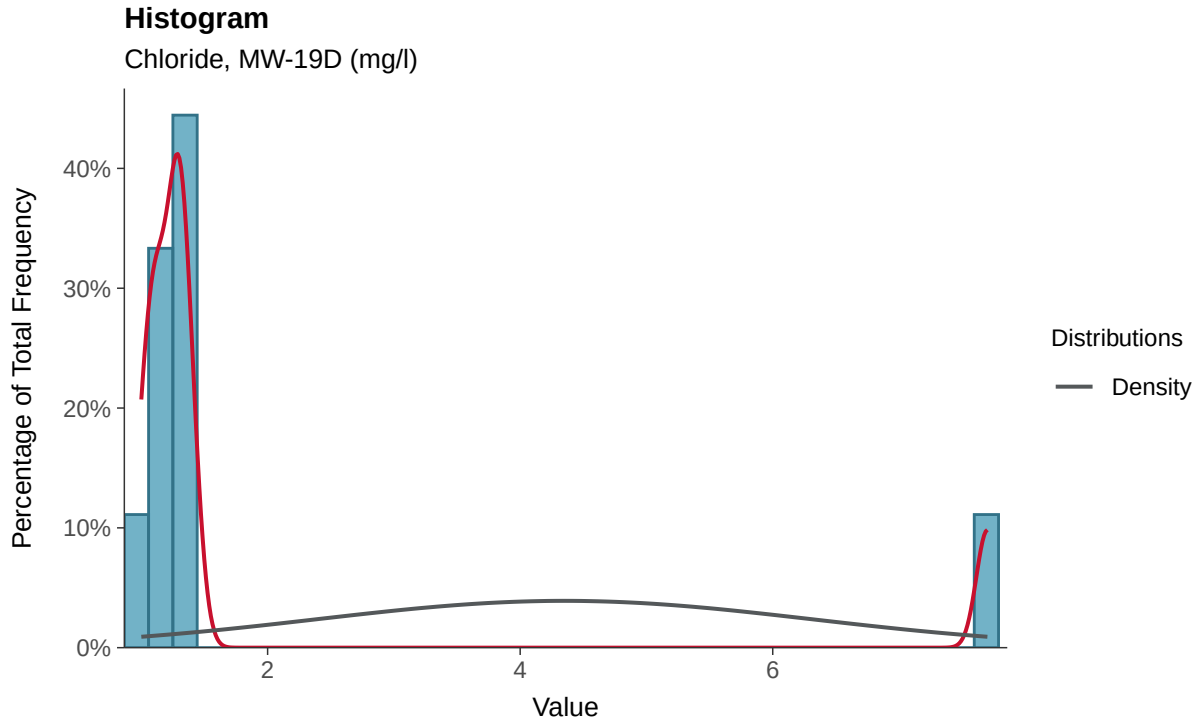
Calcium, MW-19D (mg/l)



Appendix III: Chloride, MW-19D

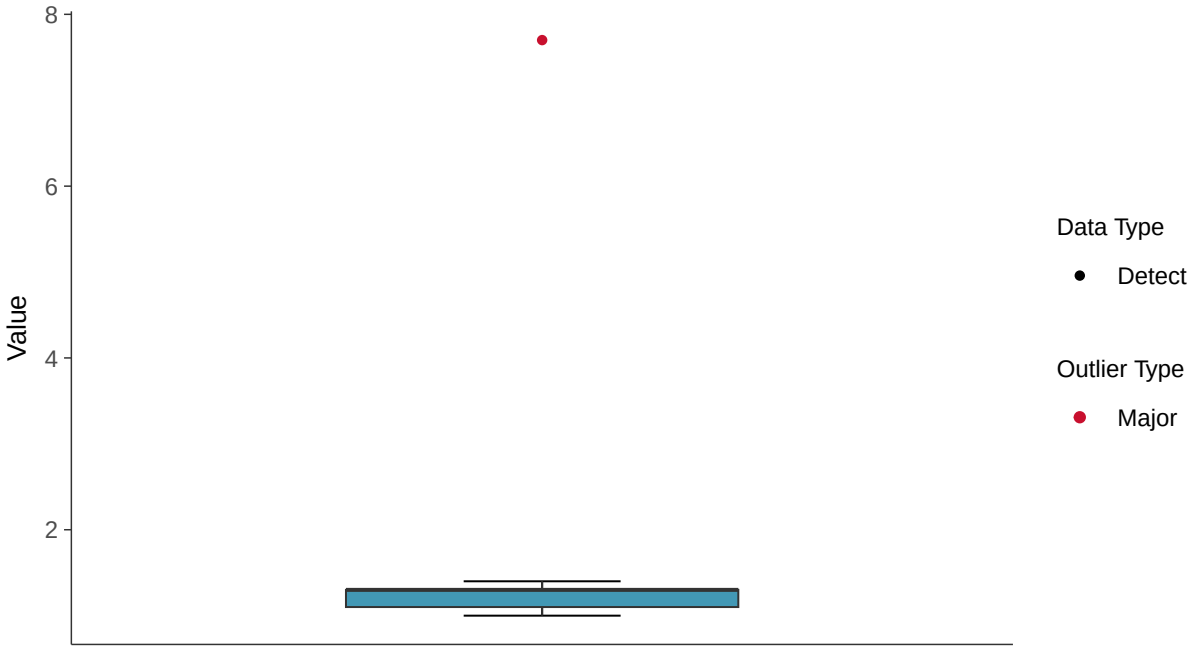
ID: 19_2_108





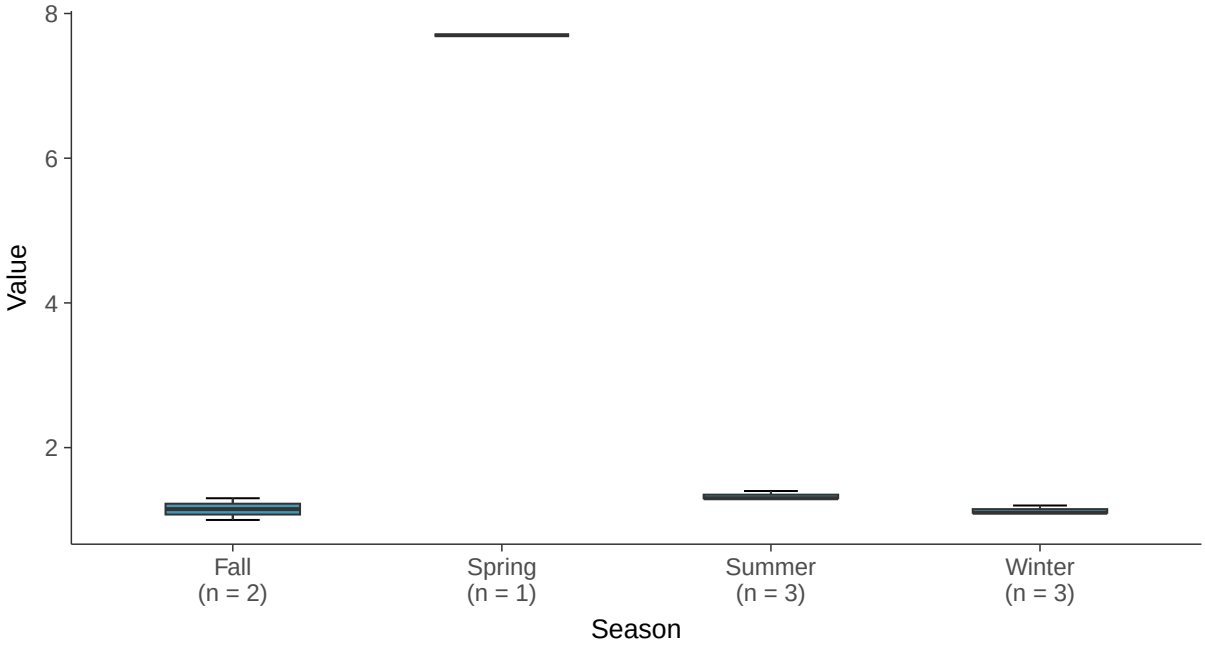
Boxplot

Chloride, MW-19D (mg/l)



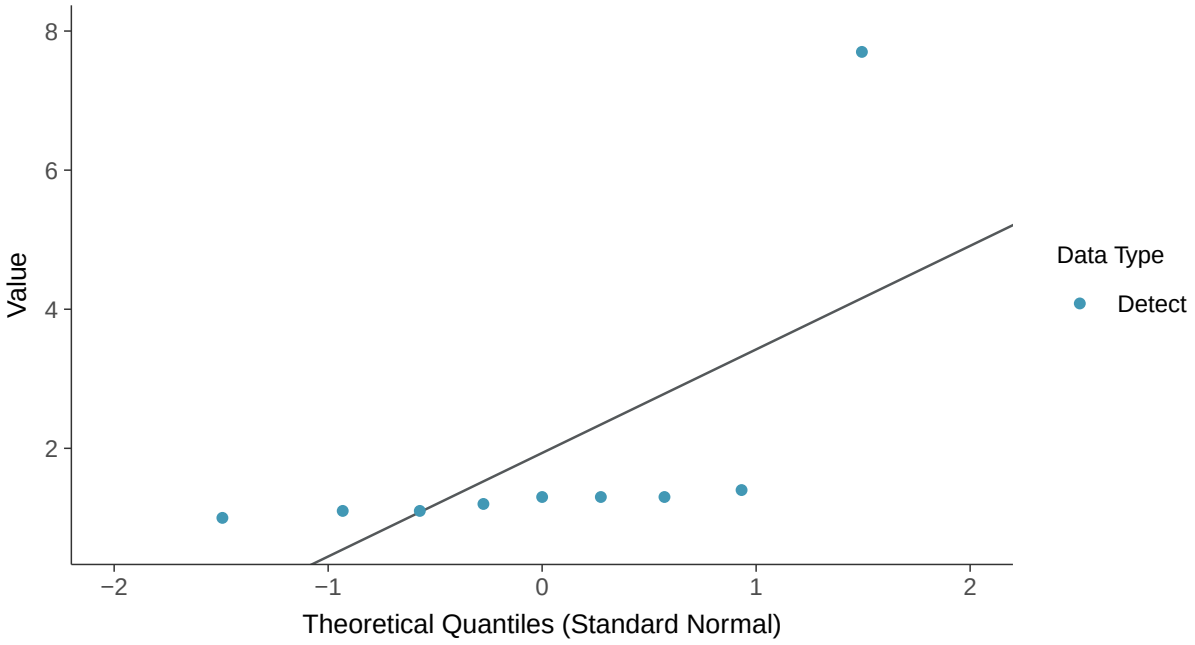
Boxplot by Season

Chloride, MW-19D (mg/l)



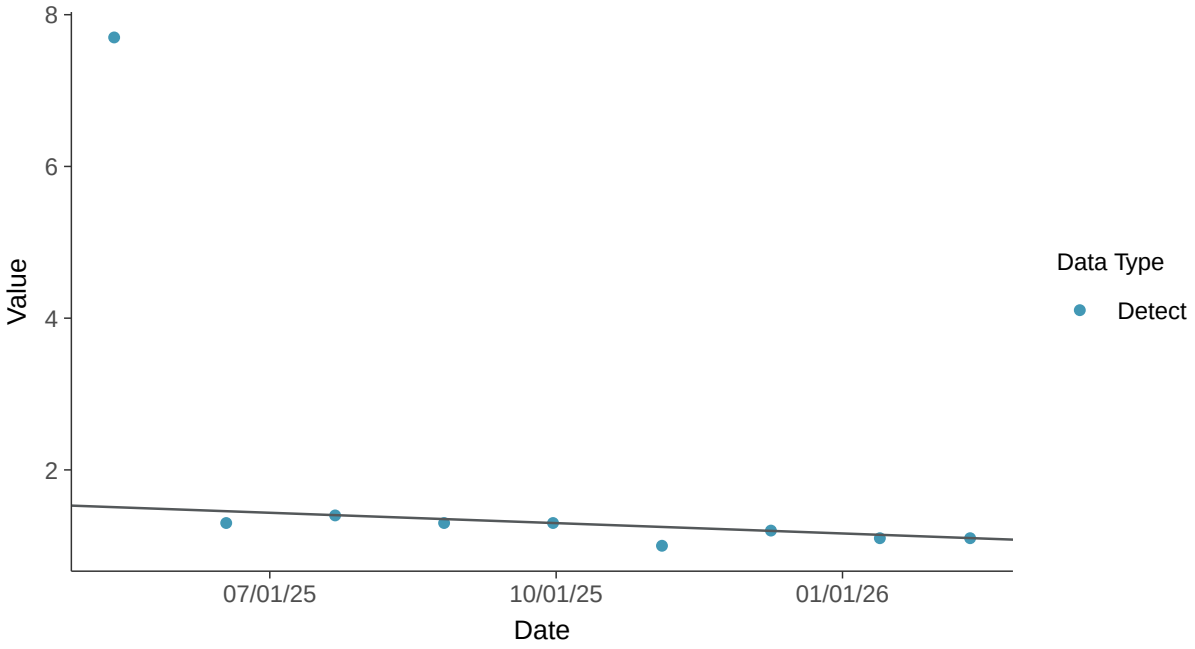
Normal Q-Q plot

Chloride, MW-19D (mg/l)



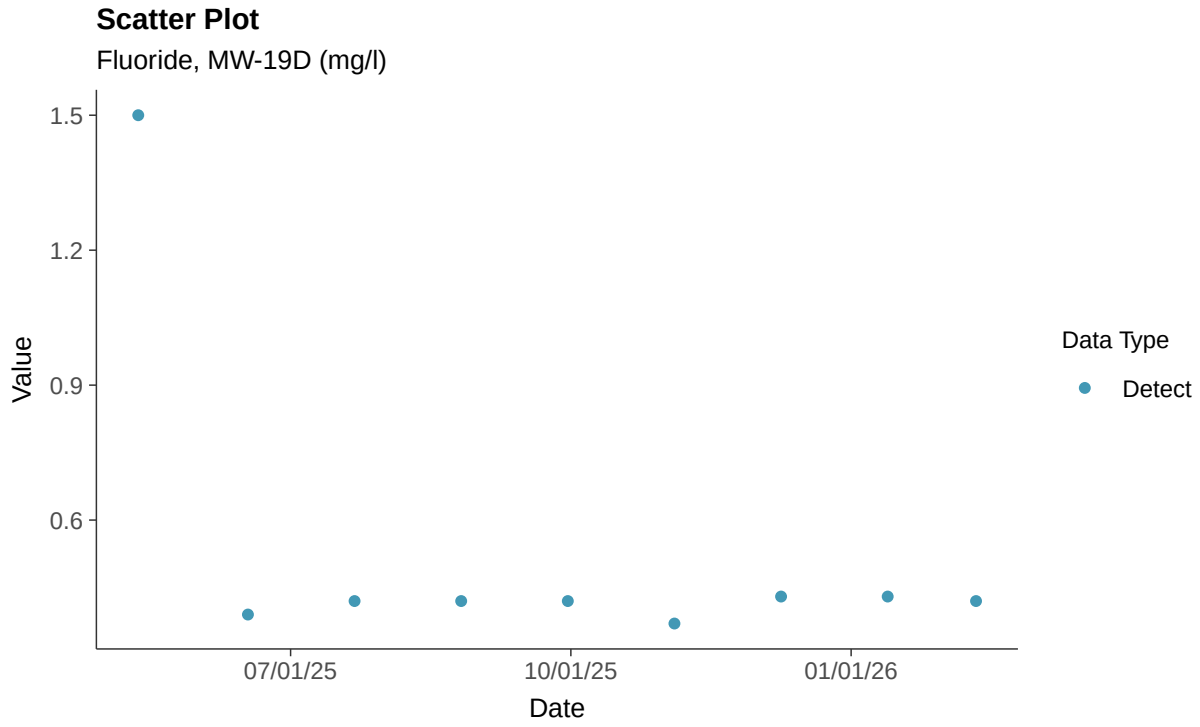
Trend Regression: Mann-Kendall/Theil-Sen Estimate

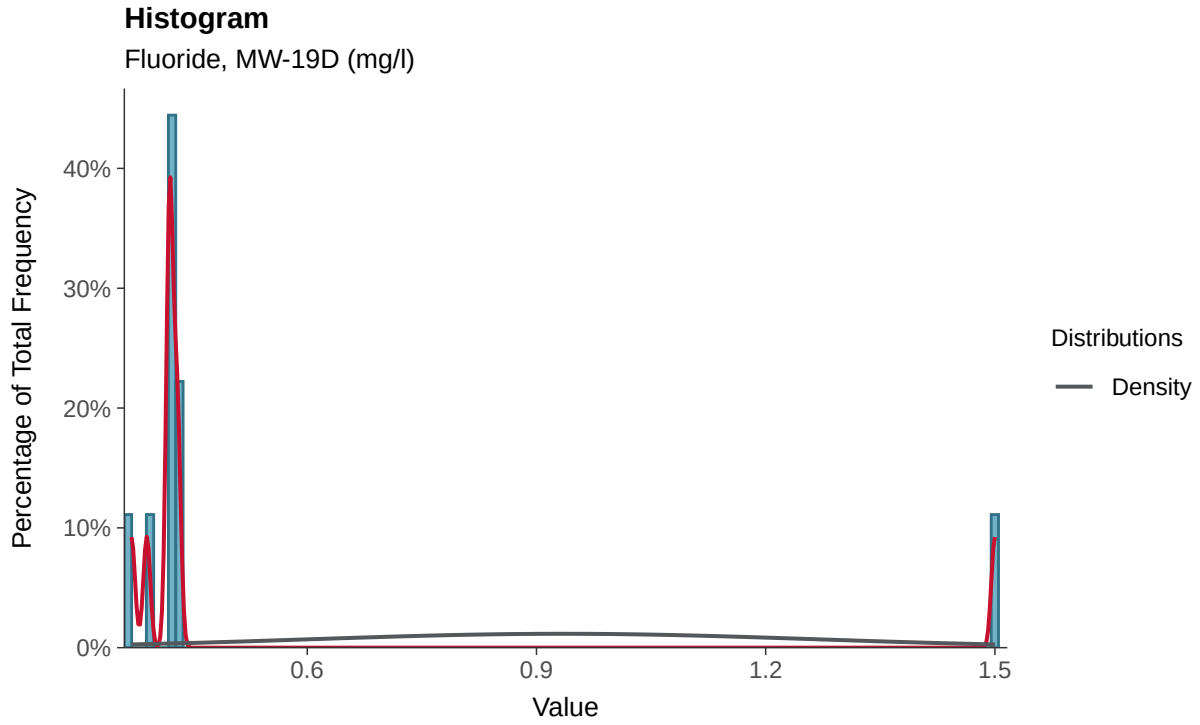
Chloride, MW-19D (mg/l)



Appendix III: Fluoride, MW-19D

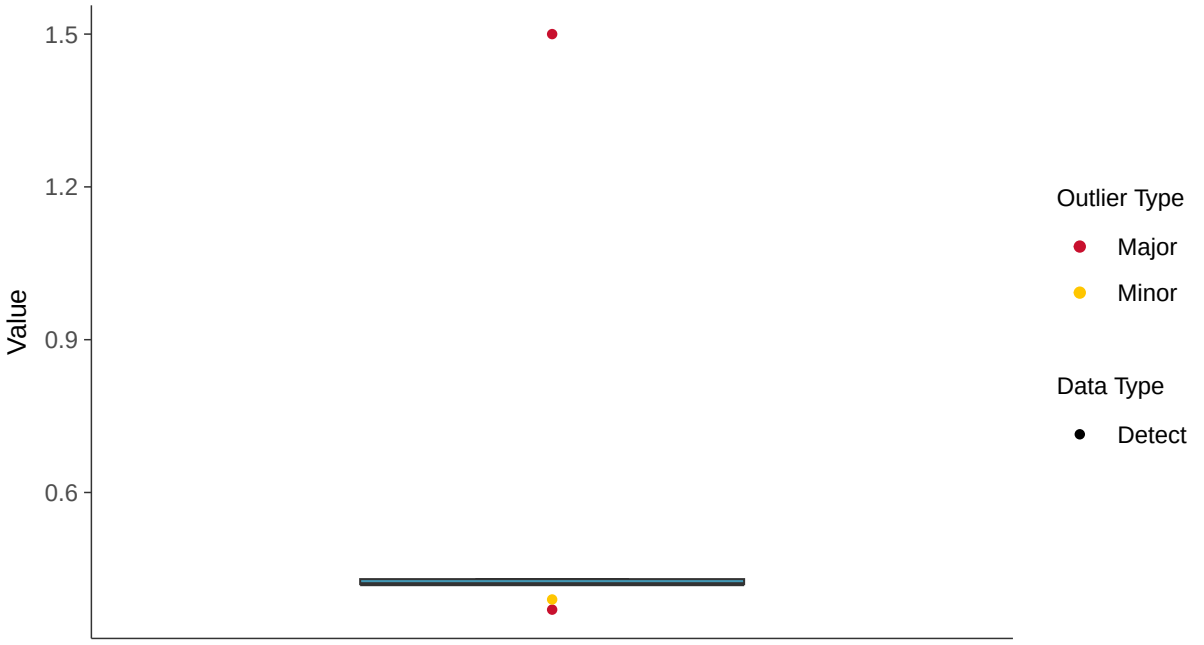
ID: 19_2_112





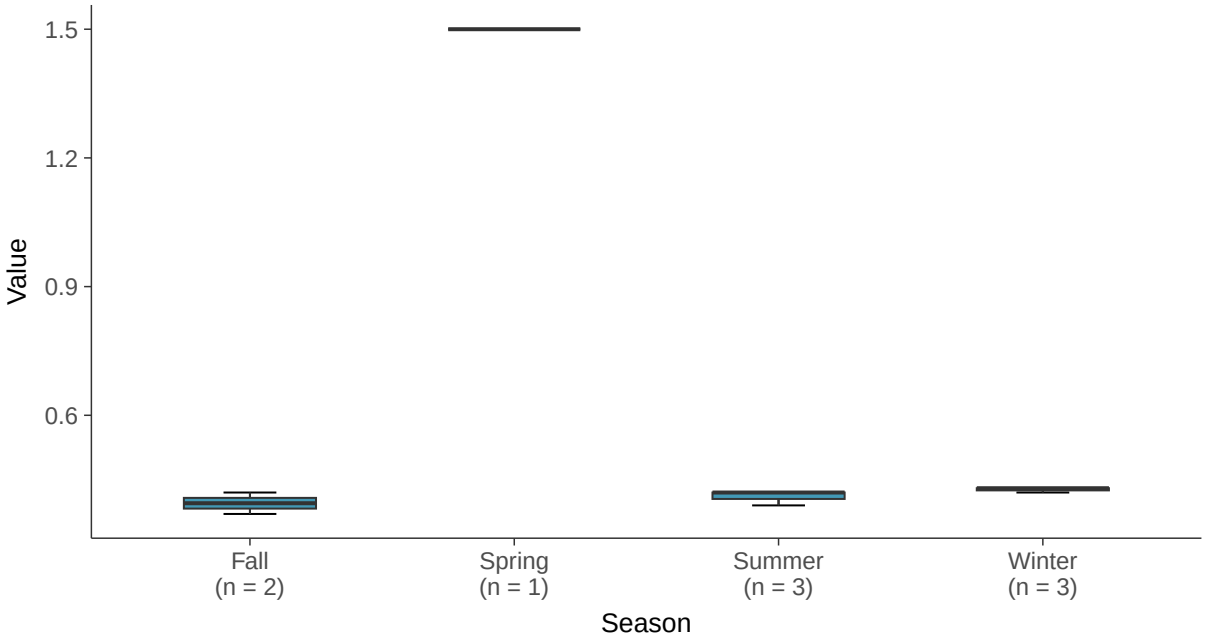
Boxplot

Fluoride, MW-19D (mg/l)



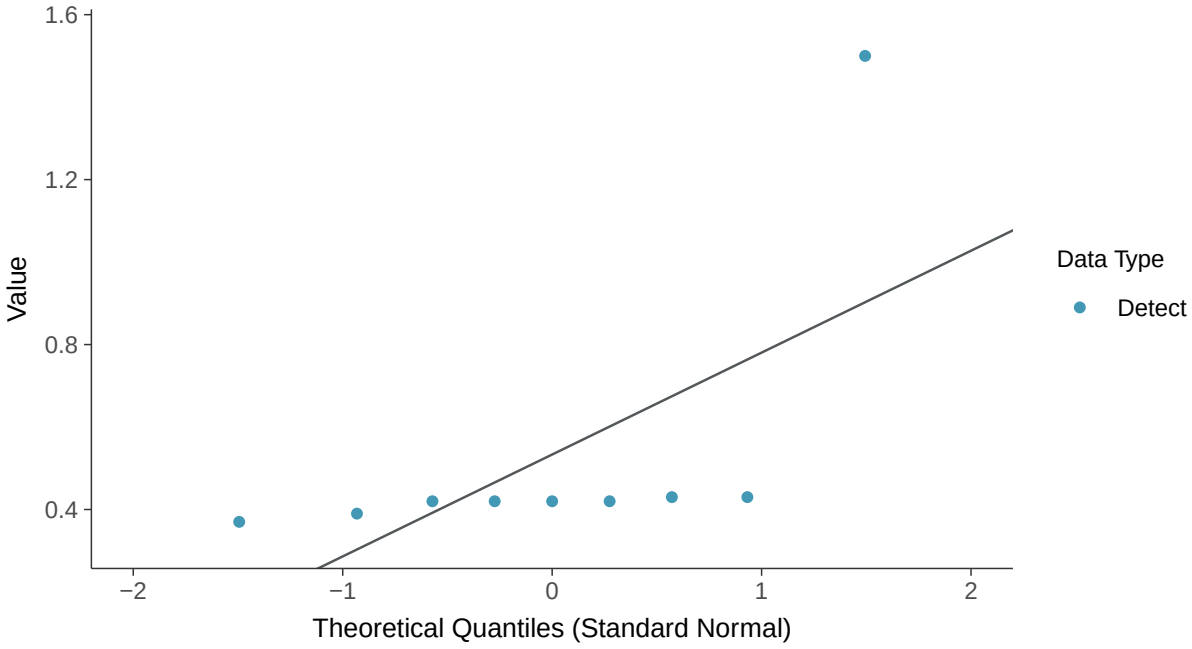
Boxplot by Season

Fluoride, MW-19D (mg/l)



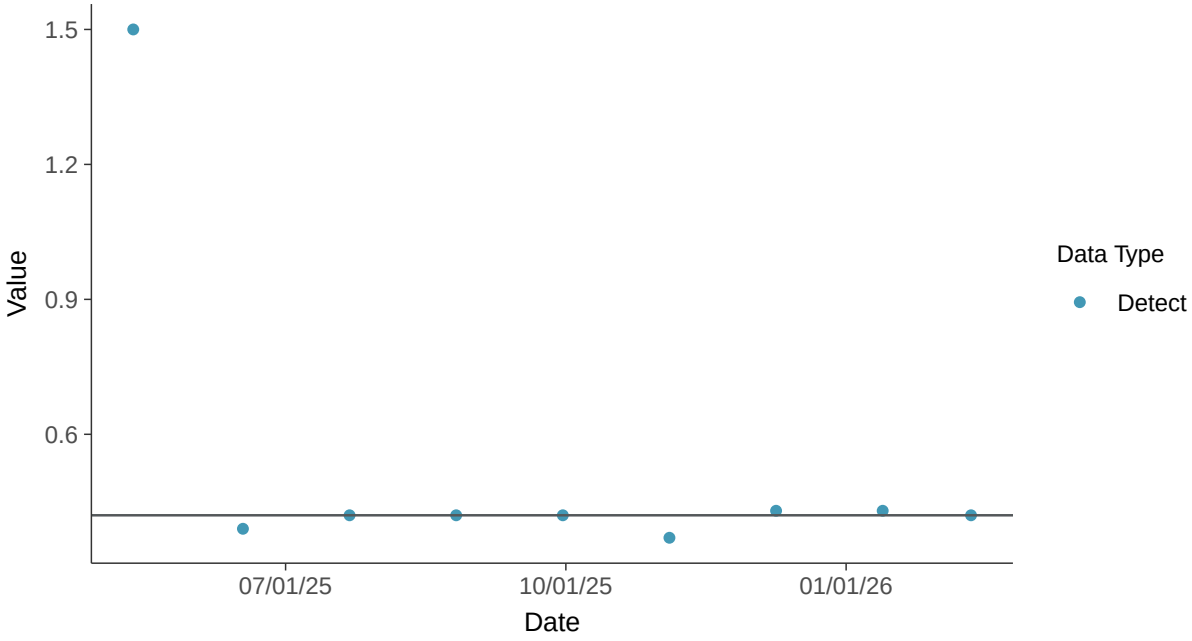
Normal Q-Q plot

Fluoride, MW-19D (mg/l)



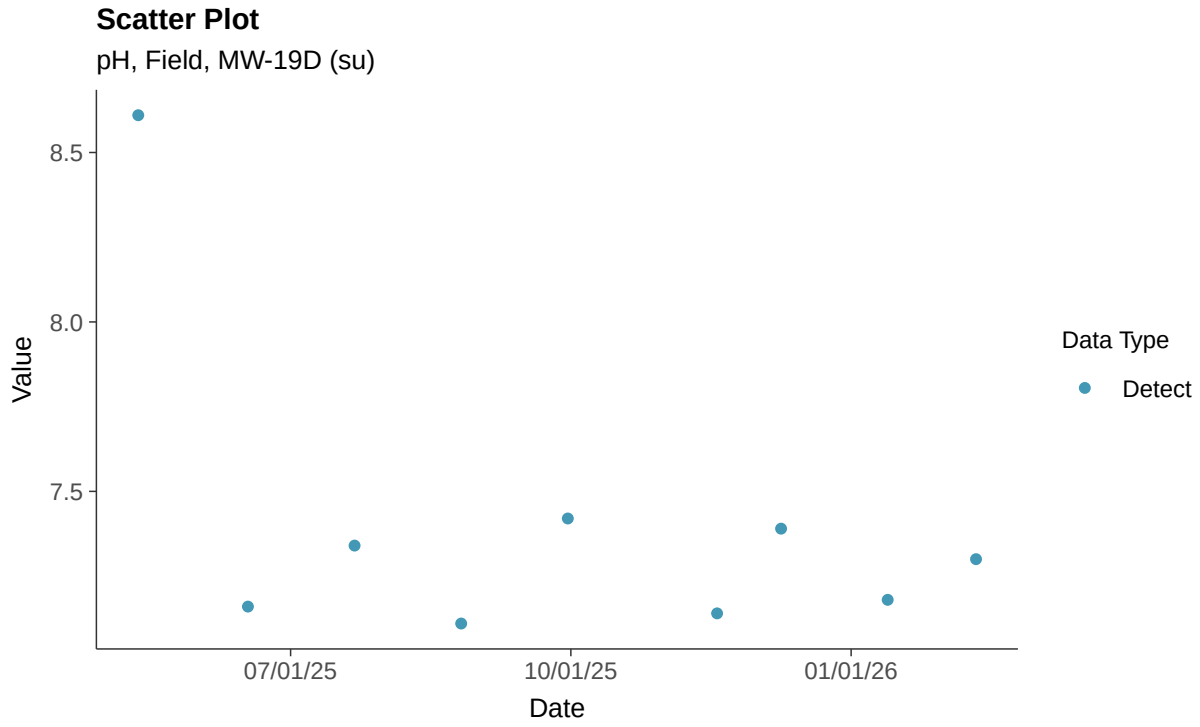
Trend Regression: Mann-Kendall/Theil-Sen Estimate

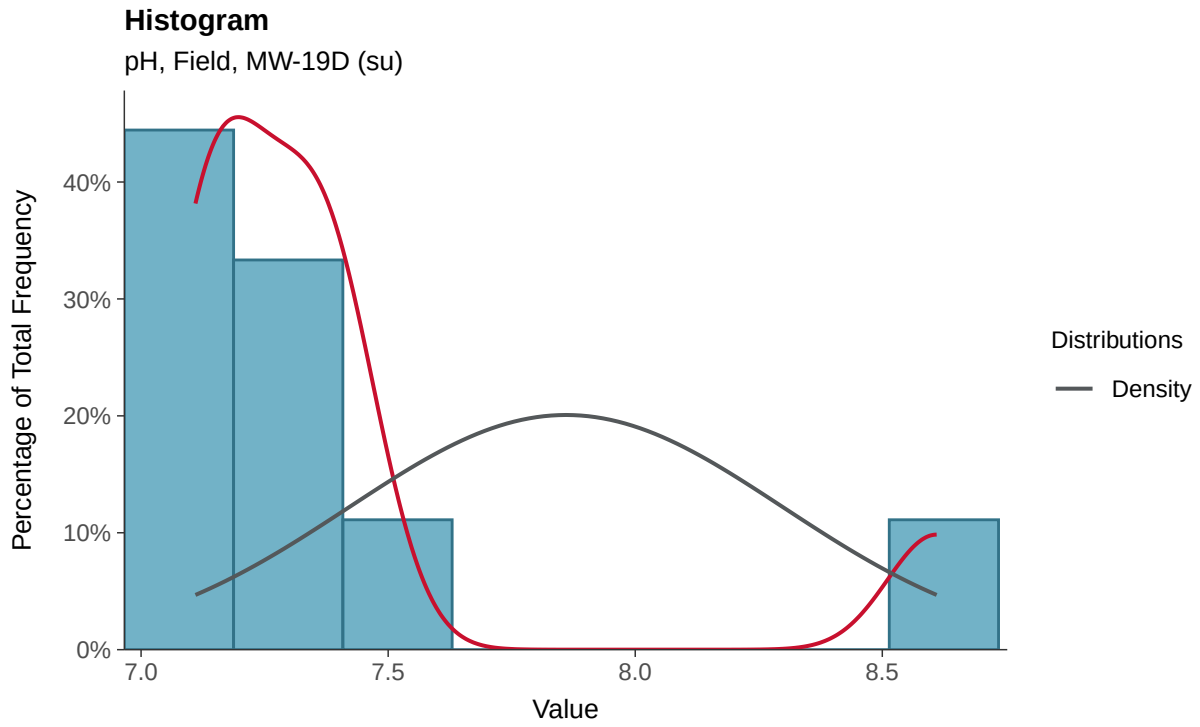
Fluoride, MW-19D (mg/l)



Appendix III: pH, Field, MW-19D

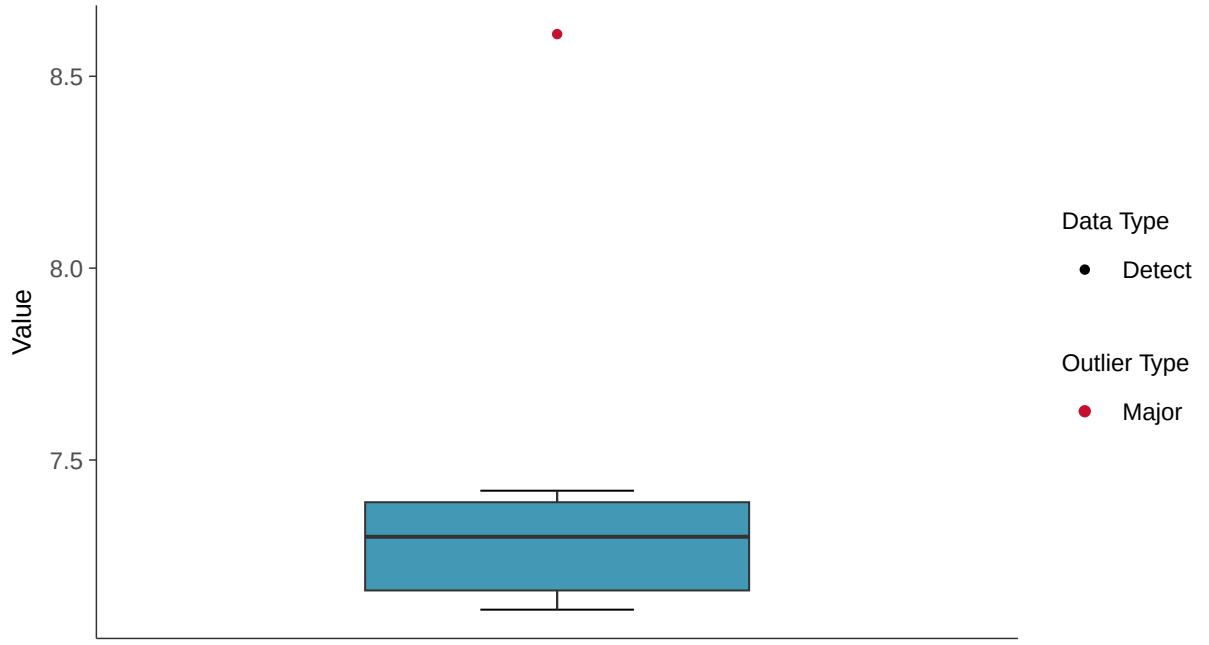
ID: 19_2_120





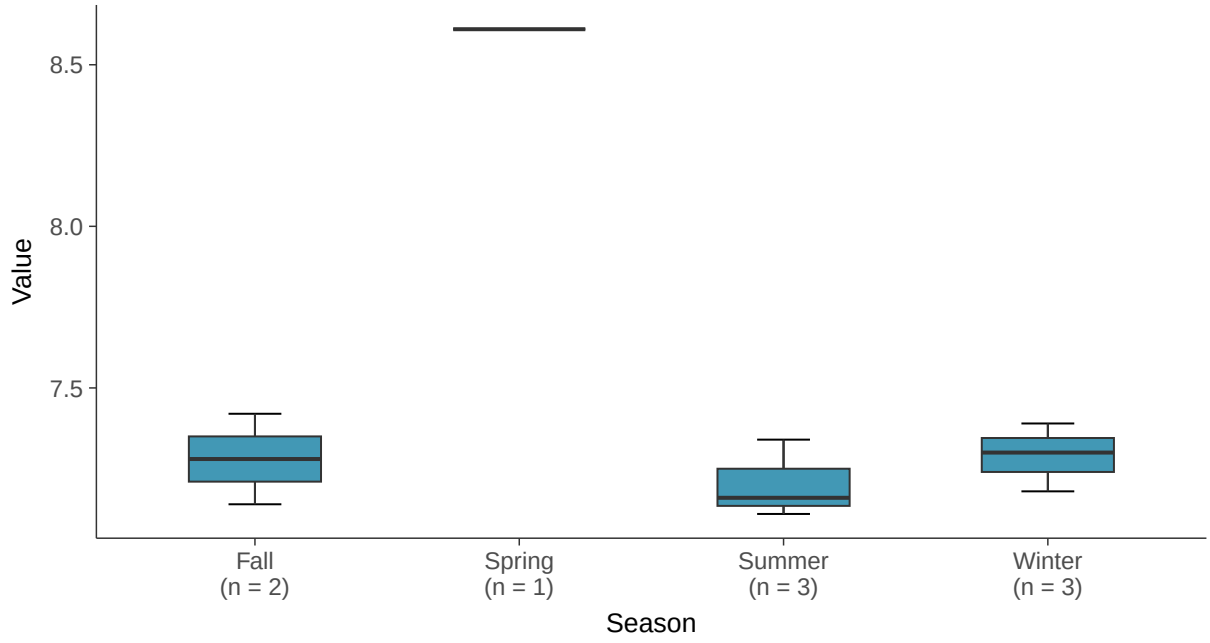
Boxplot

pH, Field, MW-19D (su)



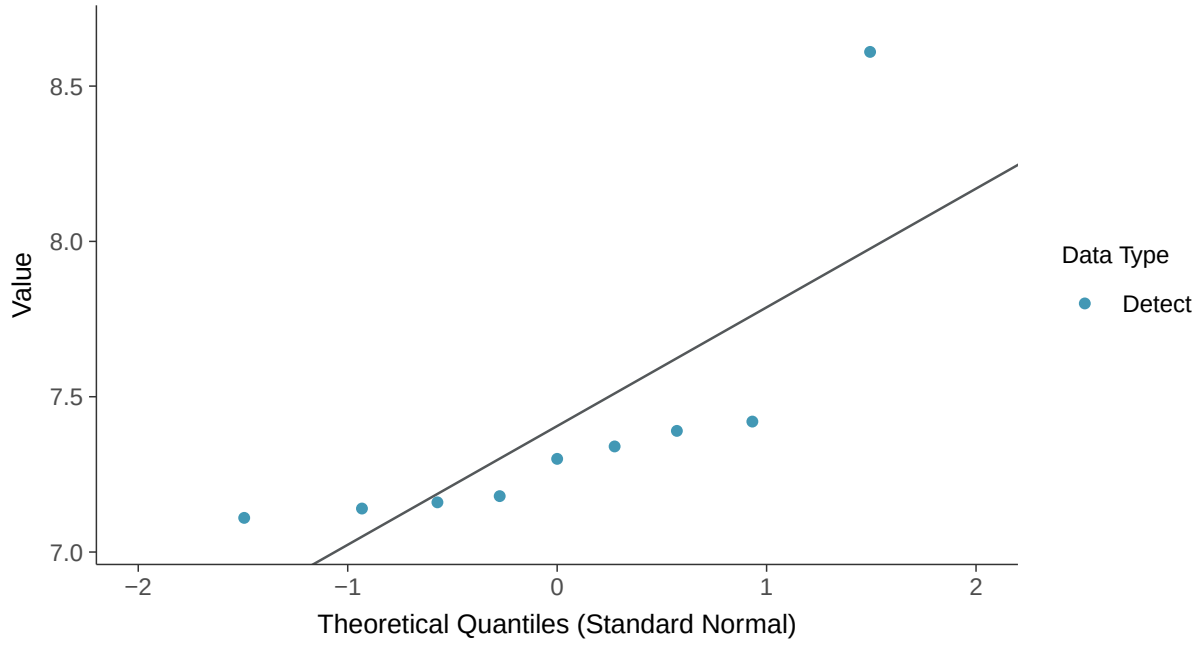
Boxplot by Season

pH, Field, MW-19D (su)



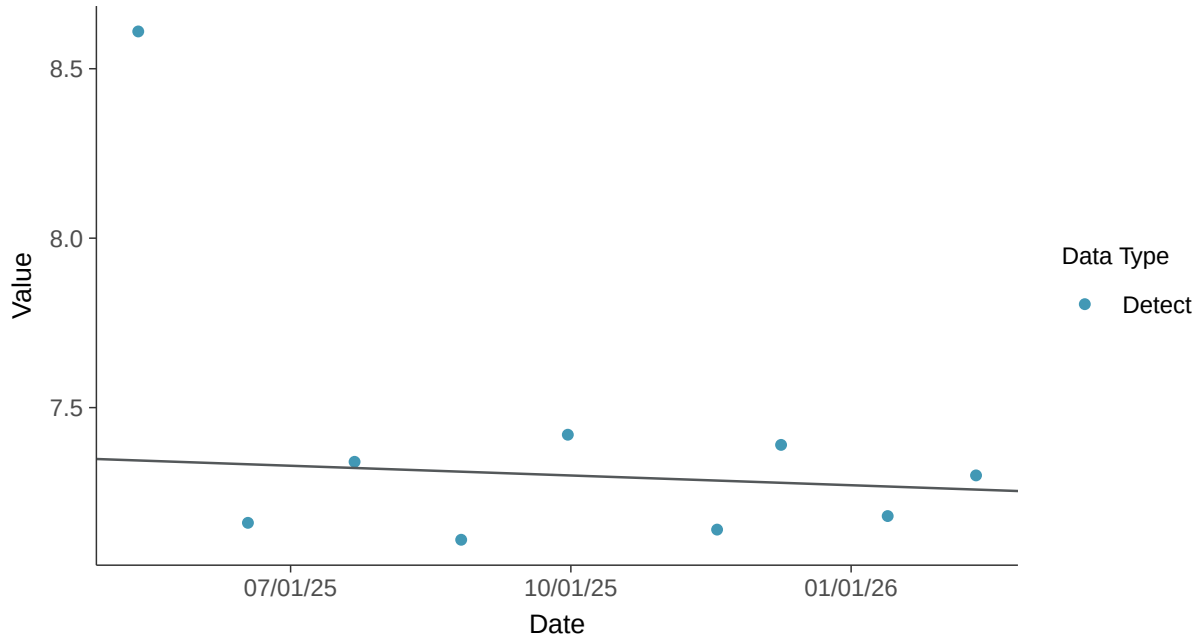
Normal Q-Q plot

pH, Field, MW-19D (su)



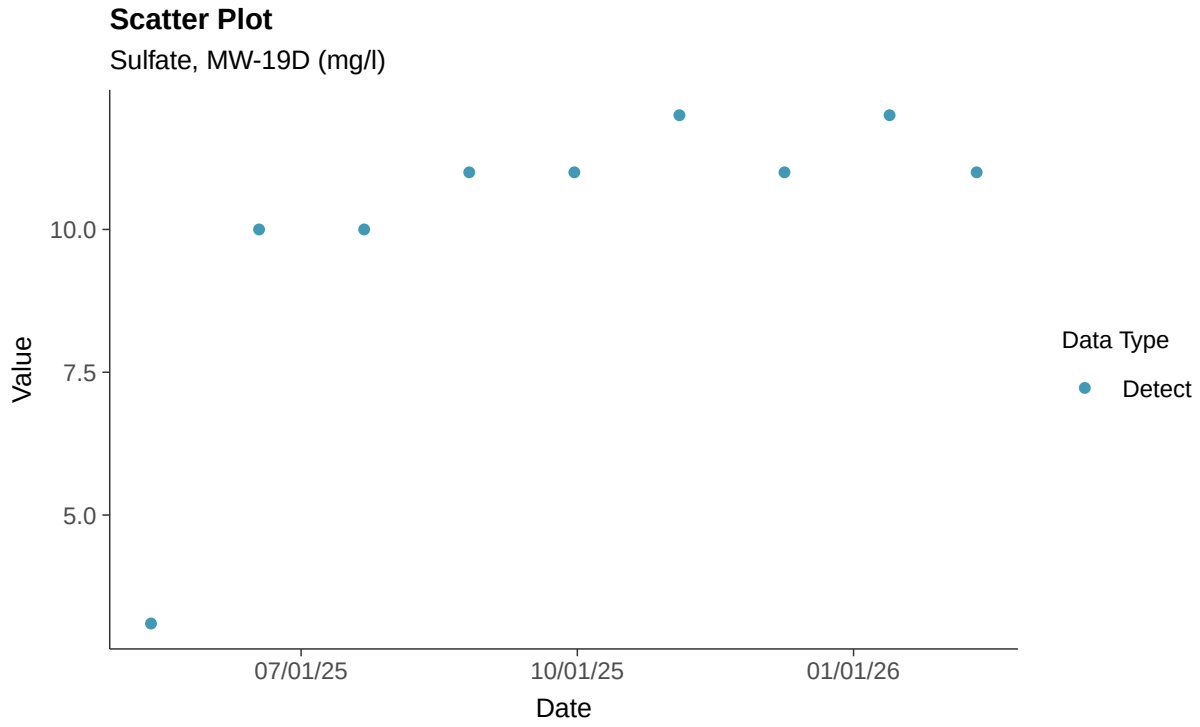
Trend Regression: Mann-Kendall/Theil-Sen Estimate

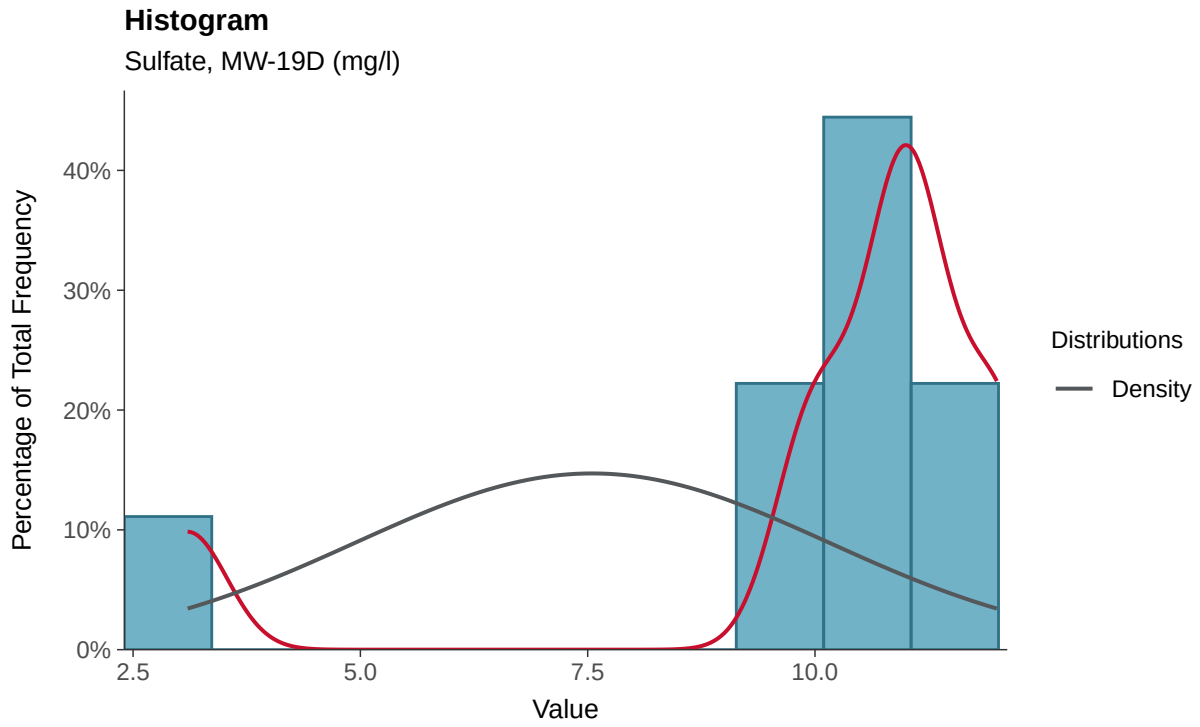
pH, Field, MW-19D (su)



Appendix III: Sulfate, MW-19D

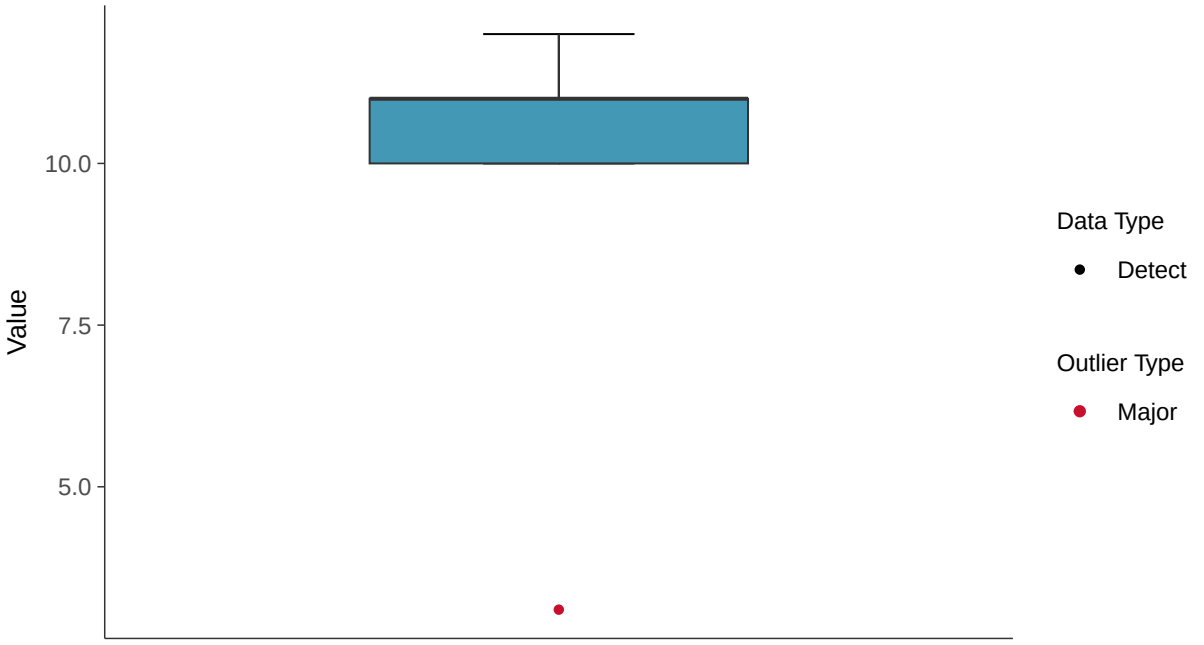
ID: 19_2_124





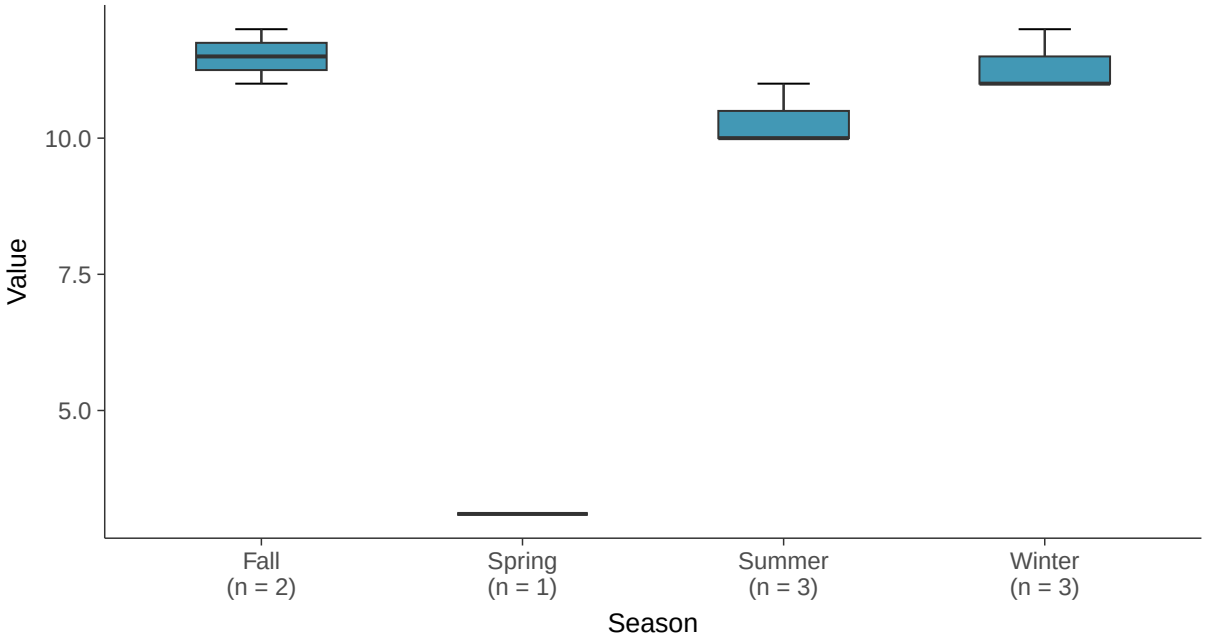
Boxplot

Sulfate, MW-19D (mg/l)



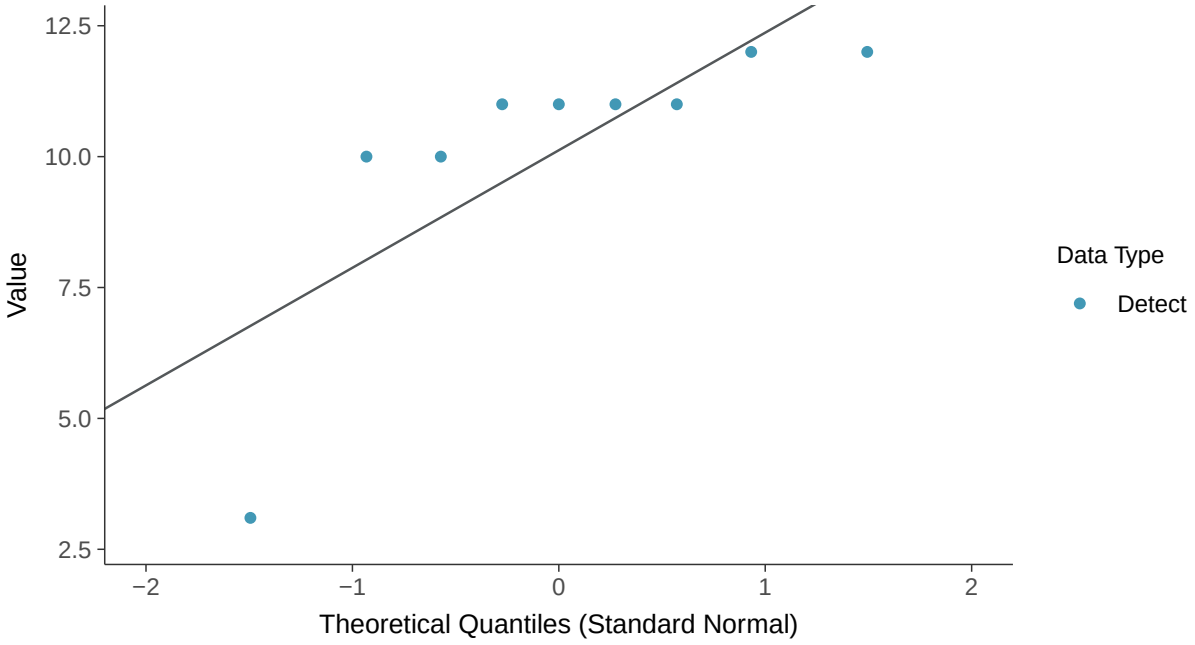
Boxplot by Season

Sulfate, MW-19D (mg/l)



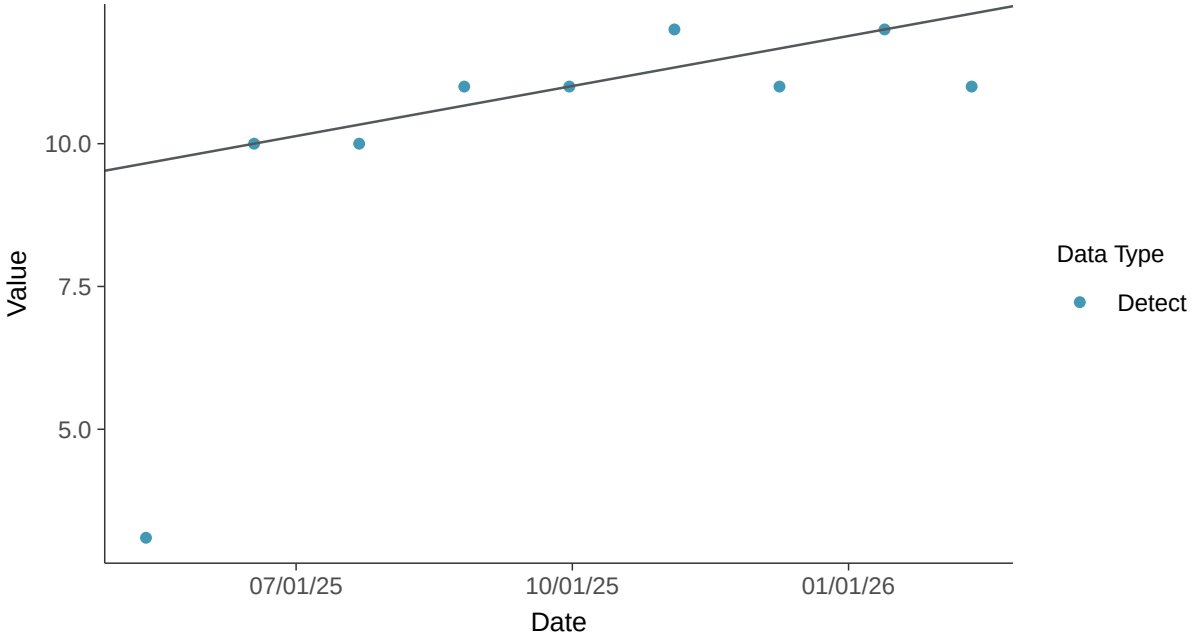
Normal Q-Q plot

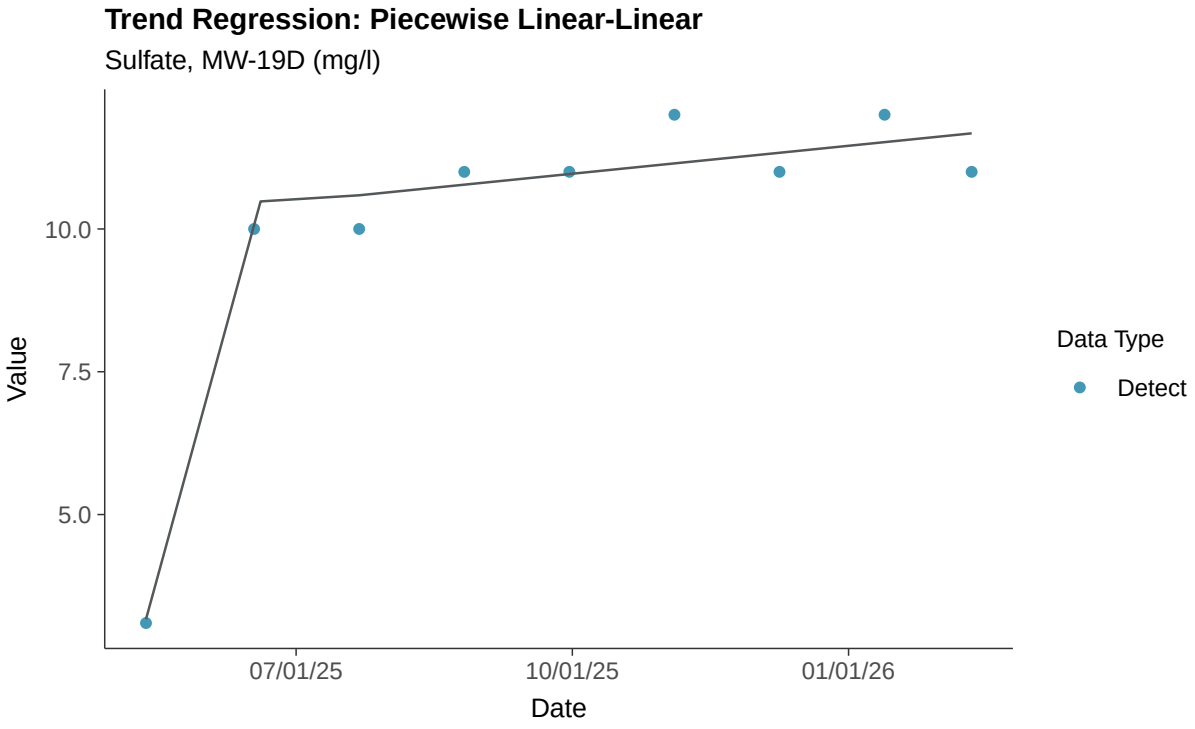
Sulfate, MW-19D (mg/l)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

Sulfate, MW-19D (mg/l)



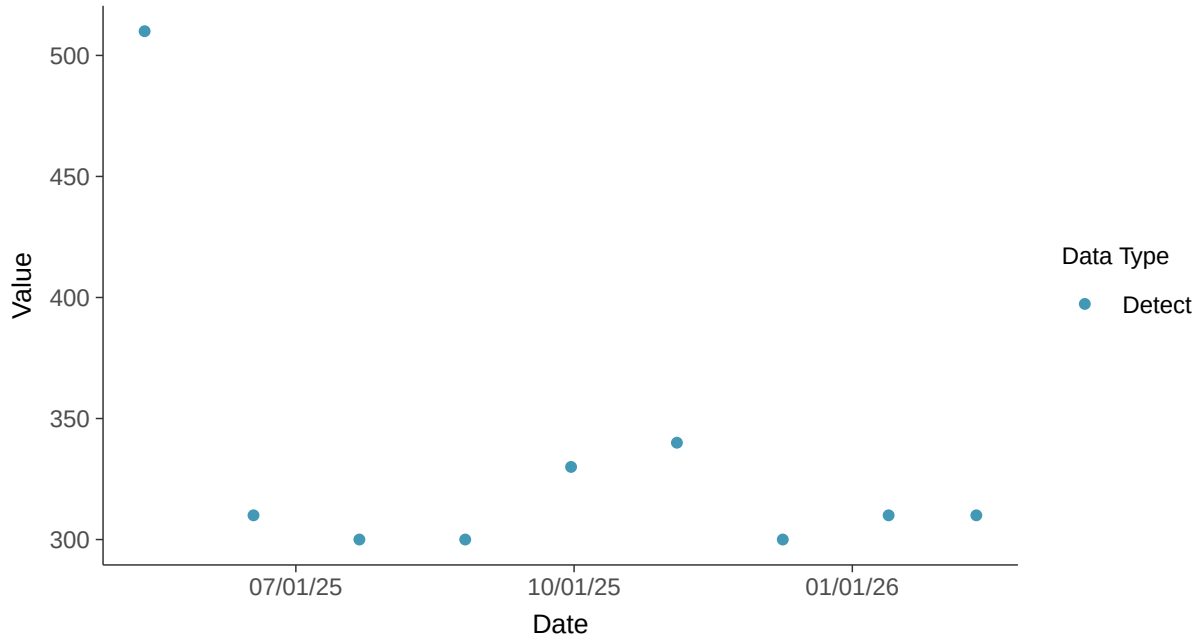

Trend Regression: Piecewise Linear-Linear
Sulfate, MW-19D (mg/l)
Value
10.0
7.5
5.0
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Total Dissolved Solids, MW-19D

ID: 19_2_126

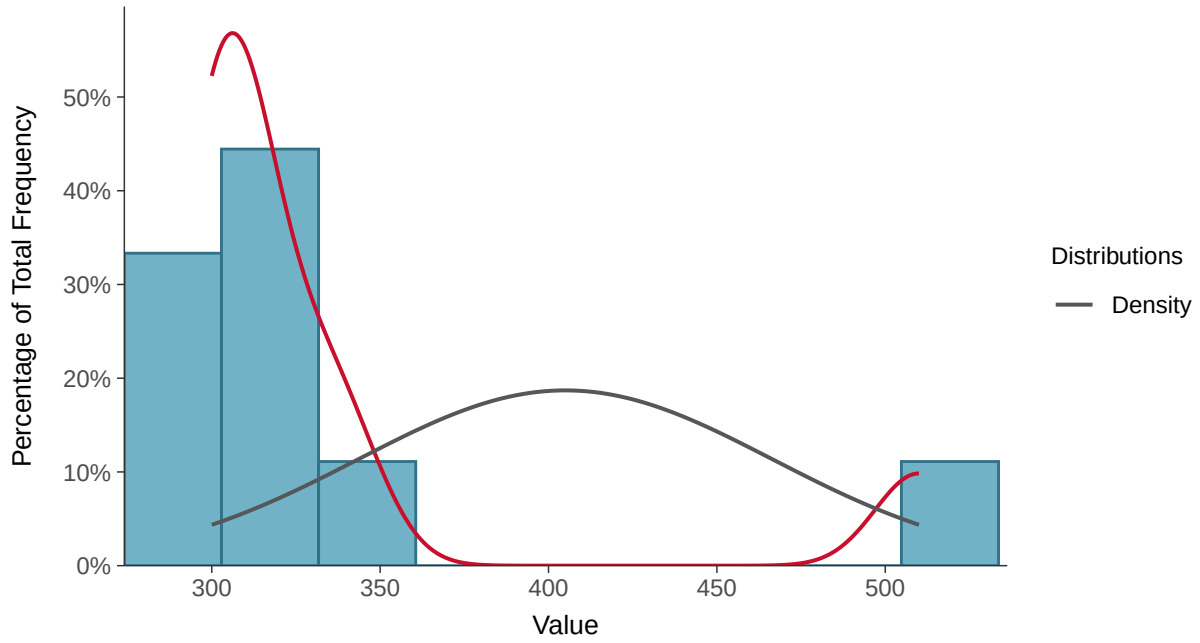
Scatter Plot

Total Dissolved Solids, MW-19D (mg/l)



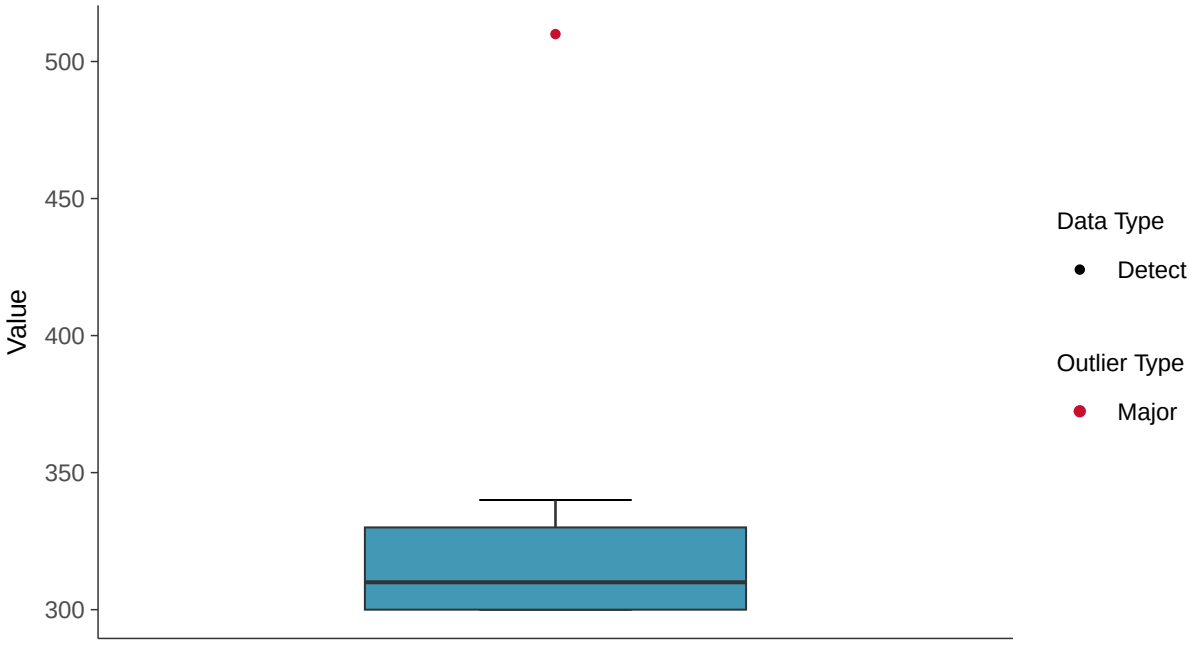
Histogram

Total Dissolved Solids, MW-19D (mg/l)



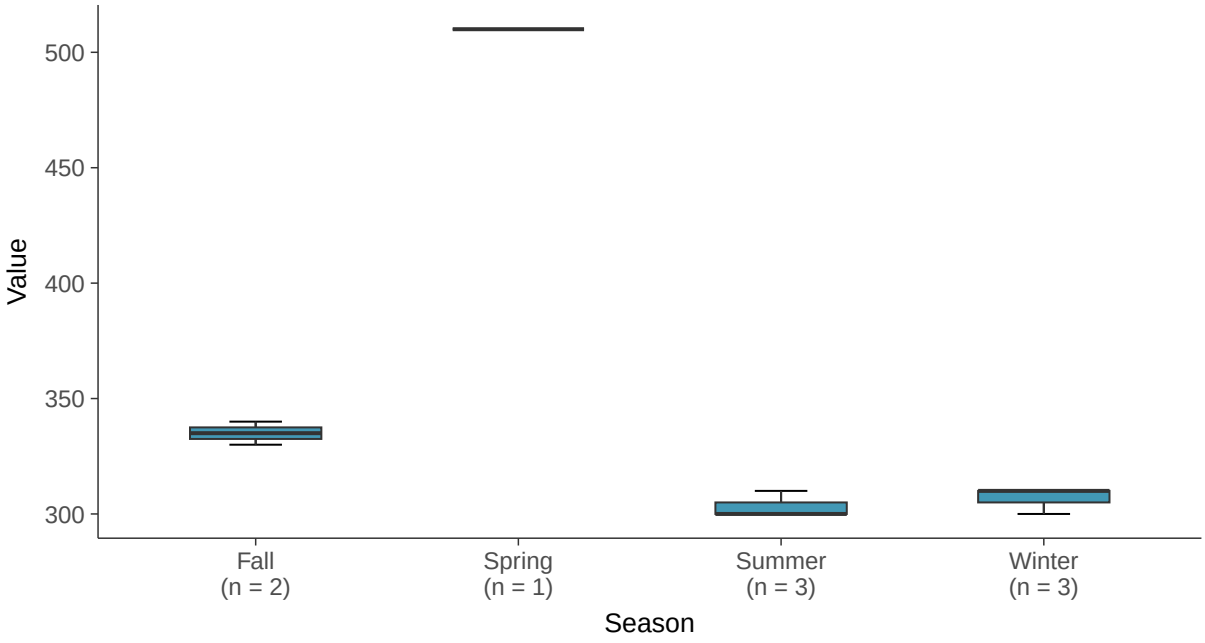
Boxplot

Total Dissolved Solids, MW-19D (mg/l)



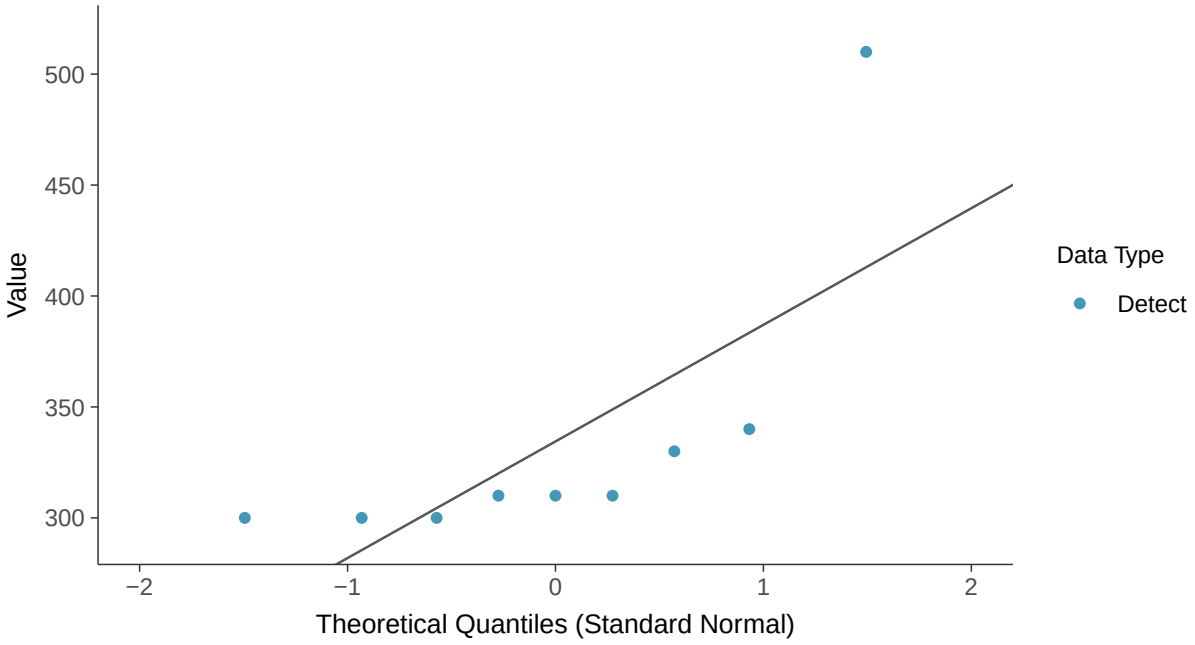
Boxplot by Season

Total Dissolved Solids, MW-19D (mg/l)



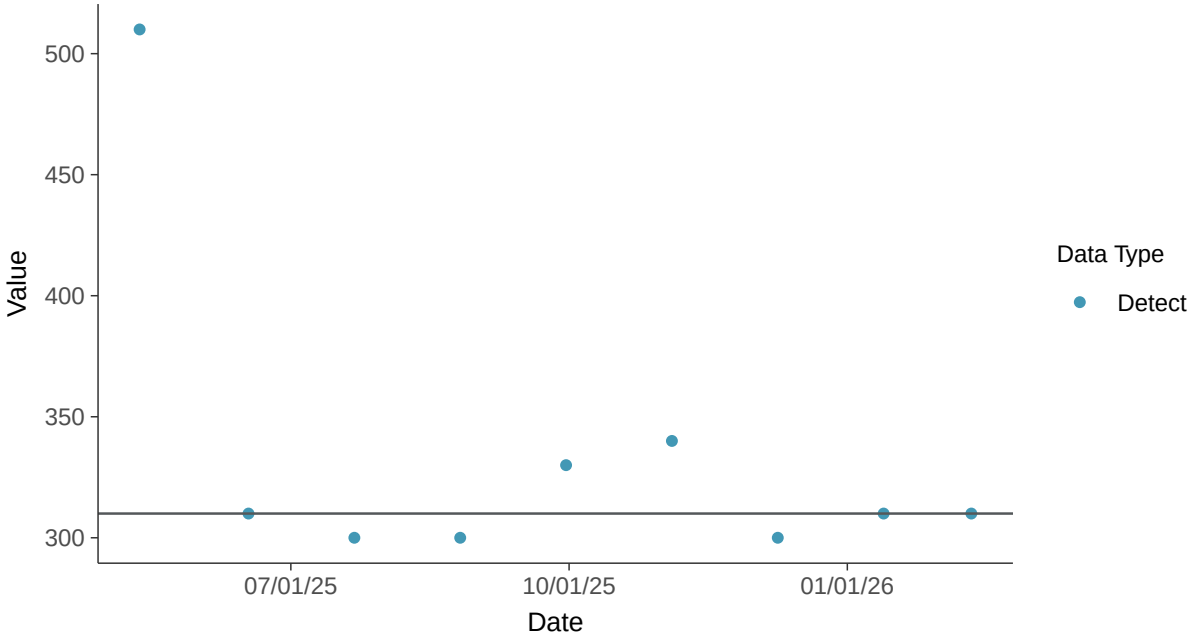
Normal Q-Q plot

Total Dissolved Solids, MW-19D (mg/l)



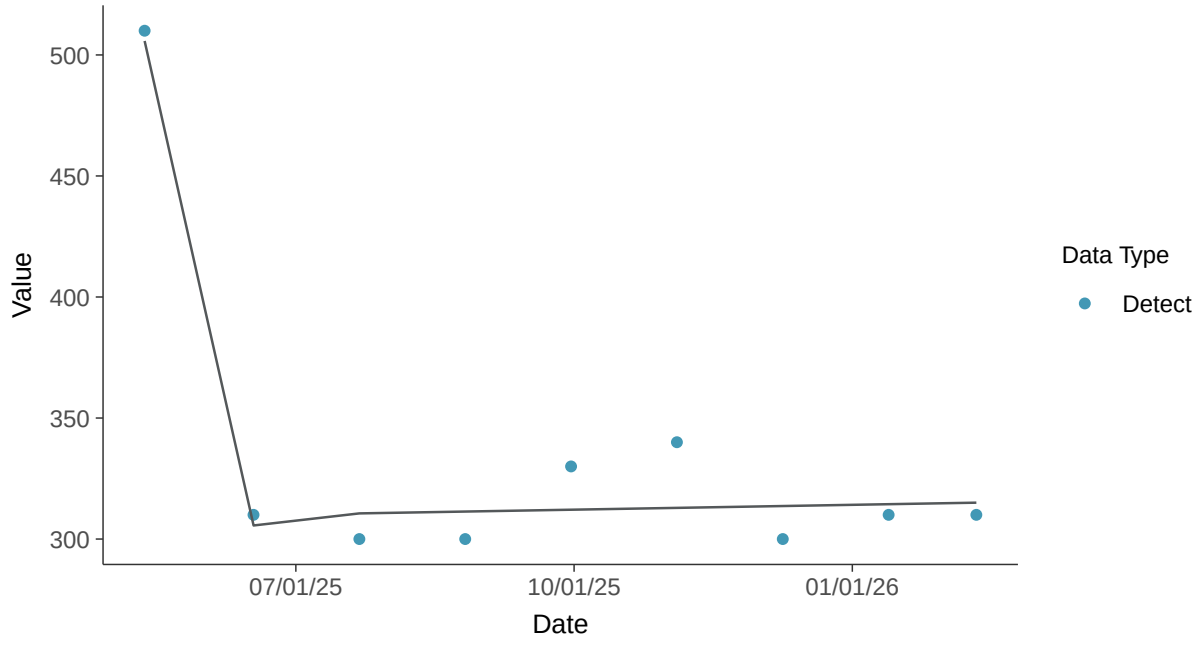
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Total Dissolved Solids, MW-19D (mg/l)



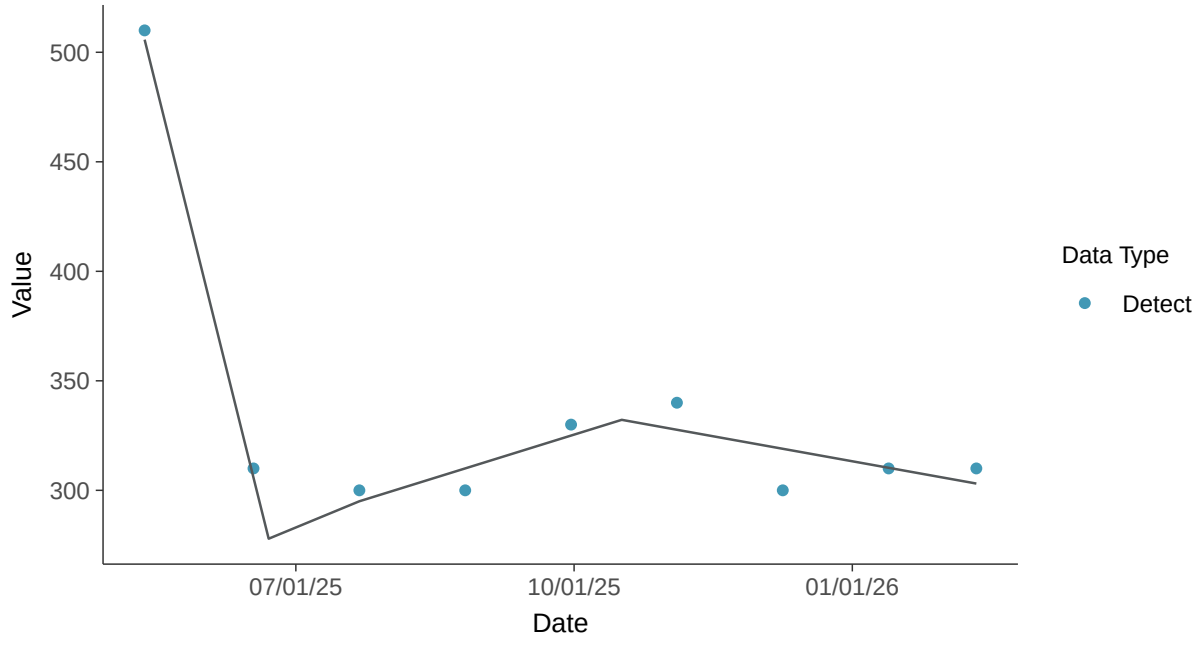
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-19D (mg/l)



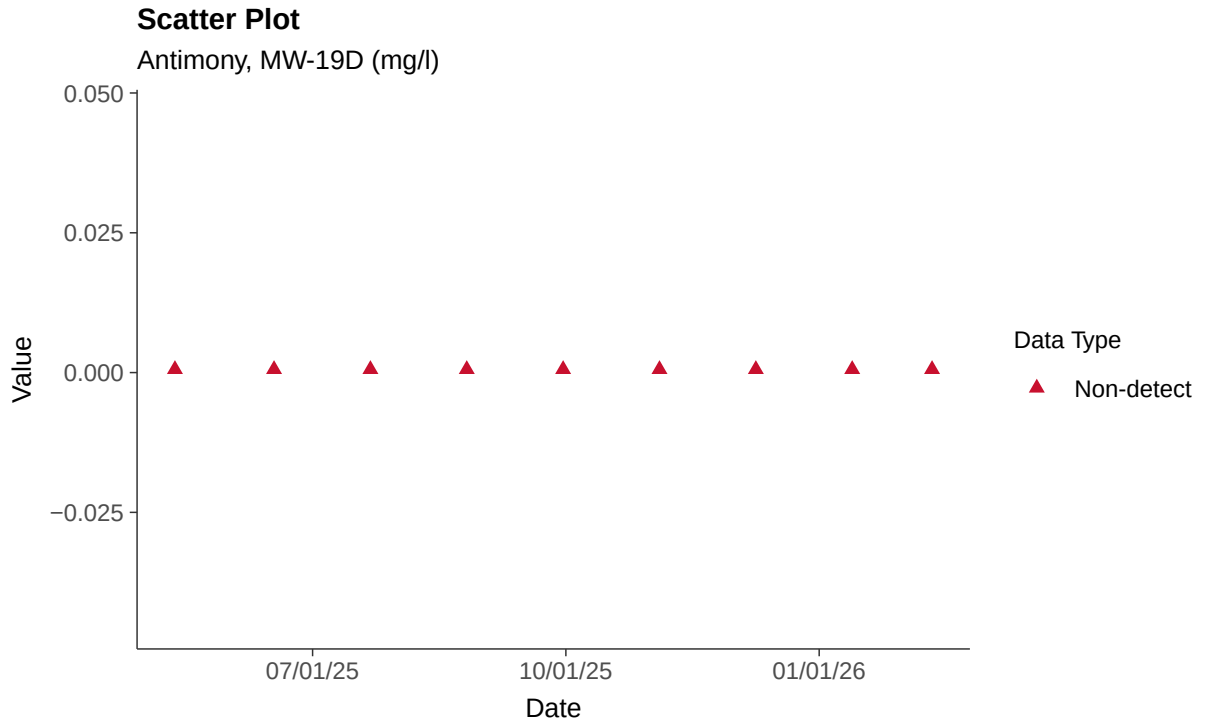
Trend Regression: Piecewise Linear-Linear-Linear

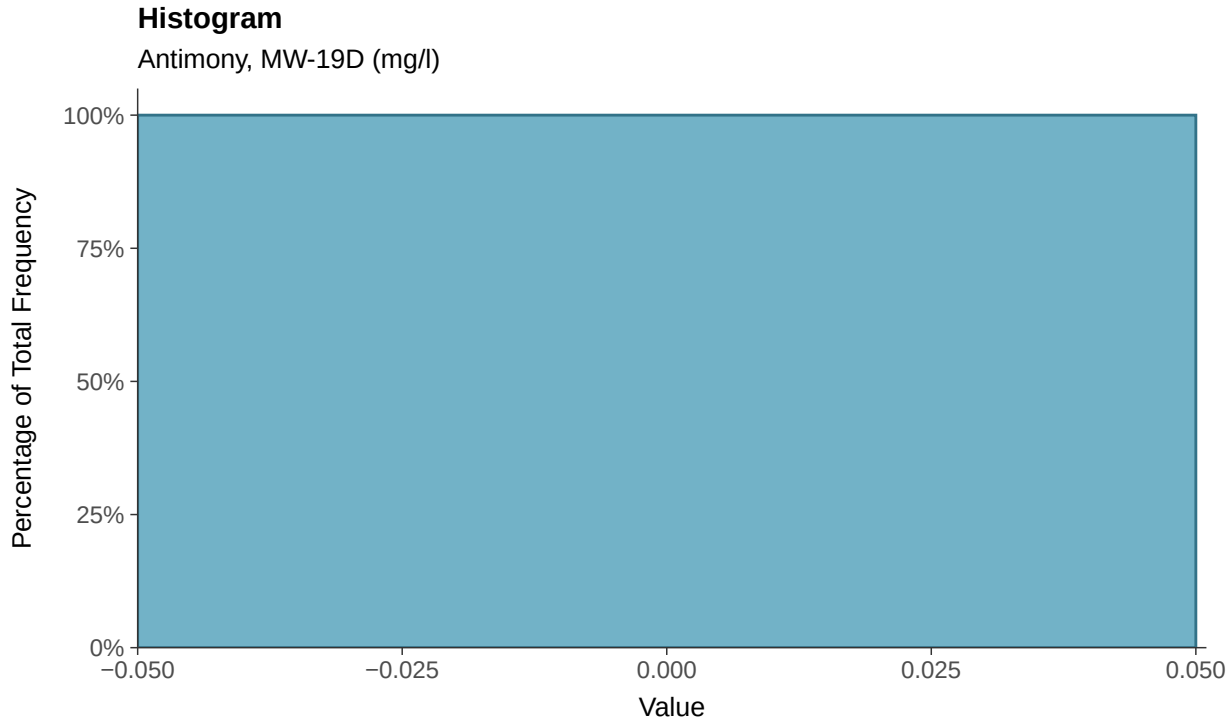
Total Dissolved Solids, MW-19D (mg/l)



Appendix IV: Antimony, MW-19D

ID: 19_3_101



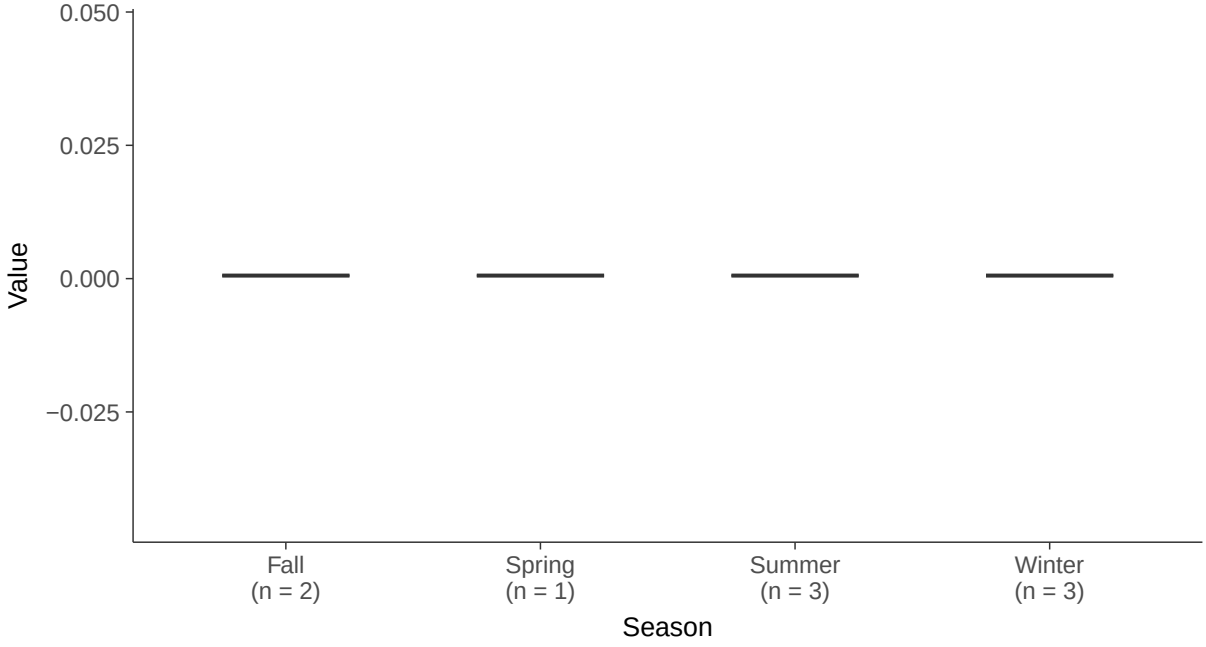


Boxplot

Antimony, MW-19D (mg/l)

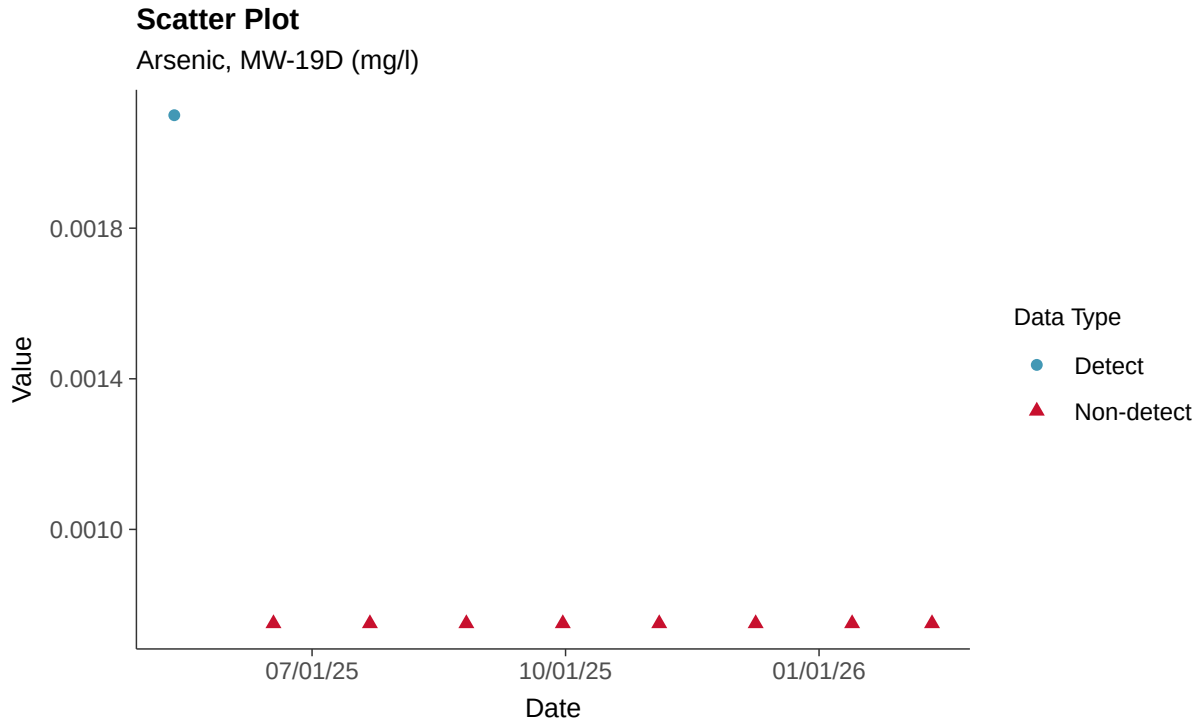
Boxplot by Season

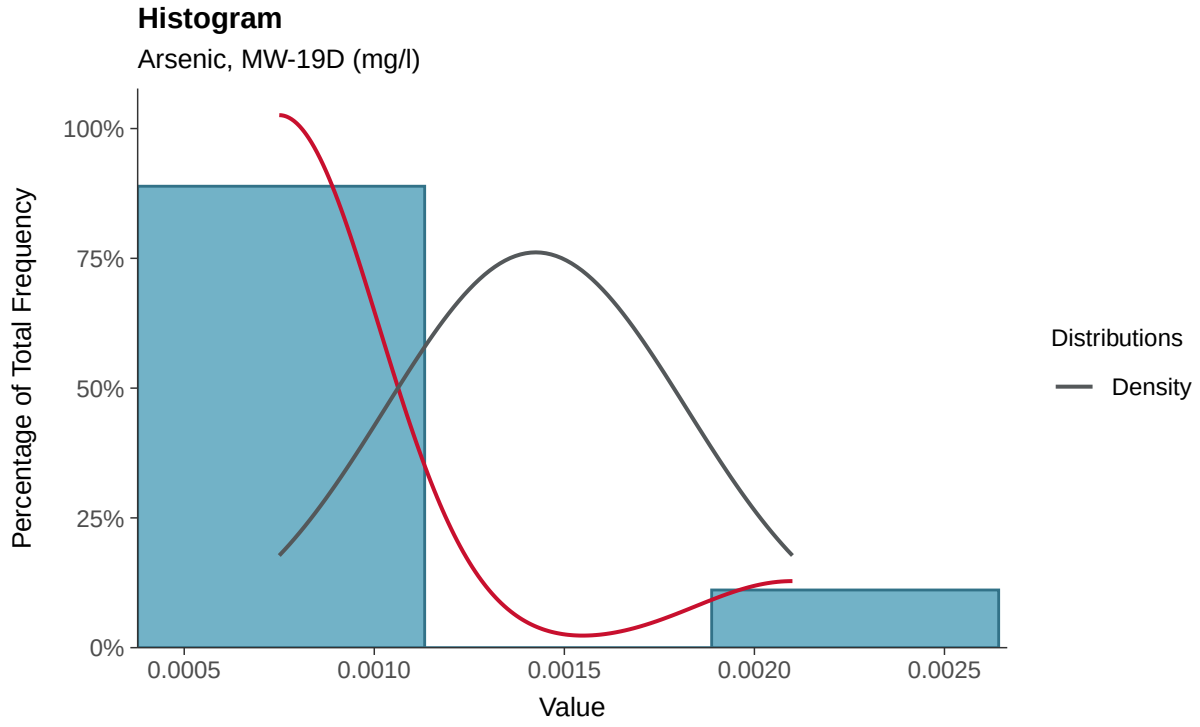
Antimony, MW-19D (mg/l)



Appendix IV: Arsenic, MW-19D

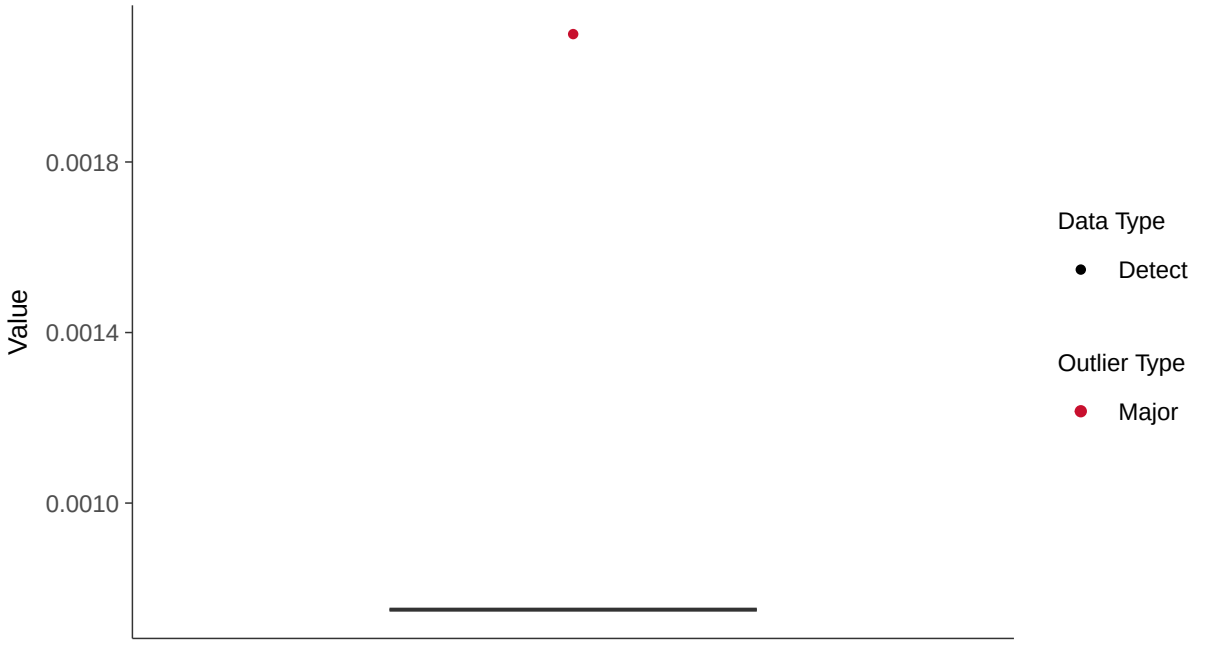
ID: 19_3_102





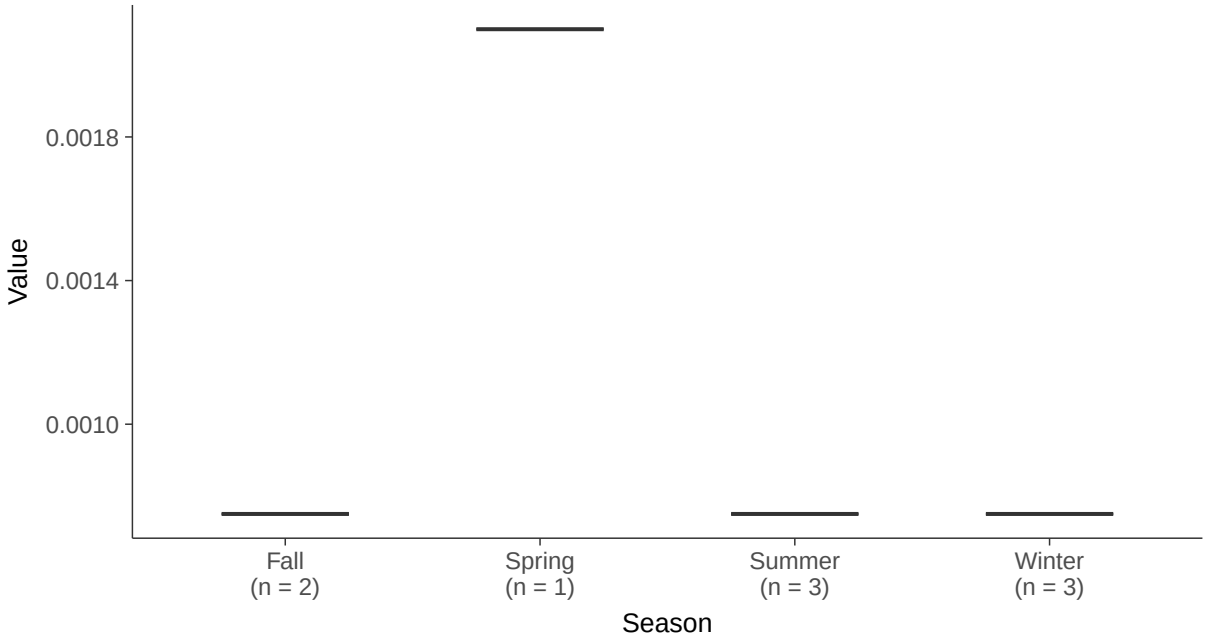
Boxplot

Arsenic, MW-19D (mg/l)



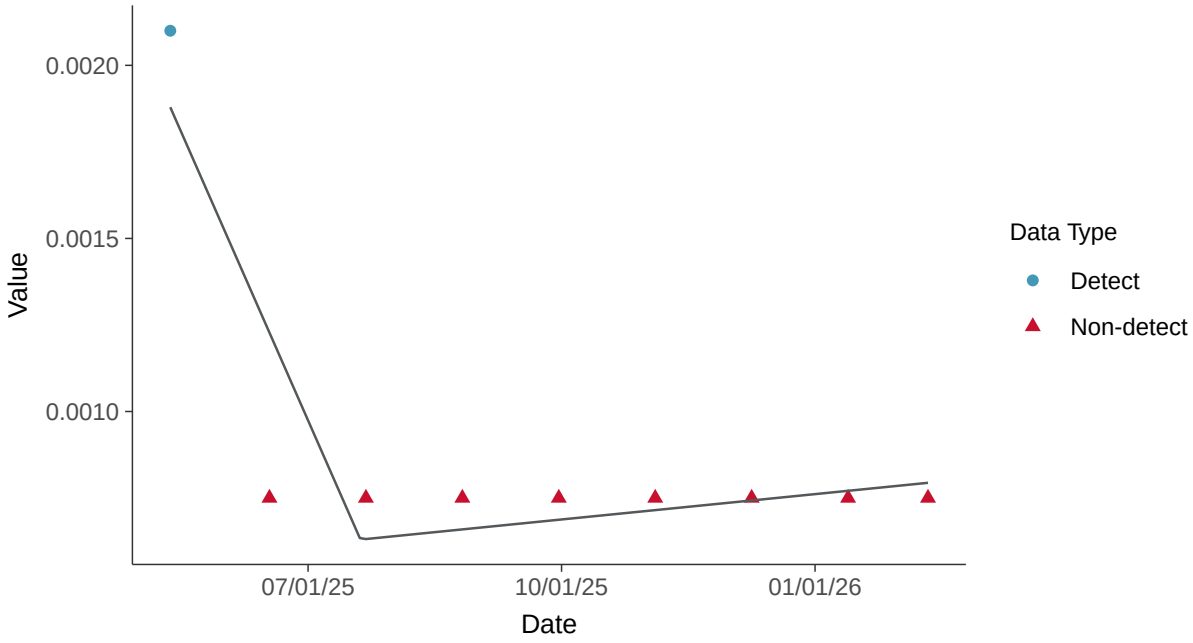
Boxplot by Season

Arsenic, MW-19D (mg/l)



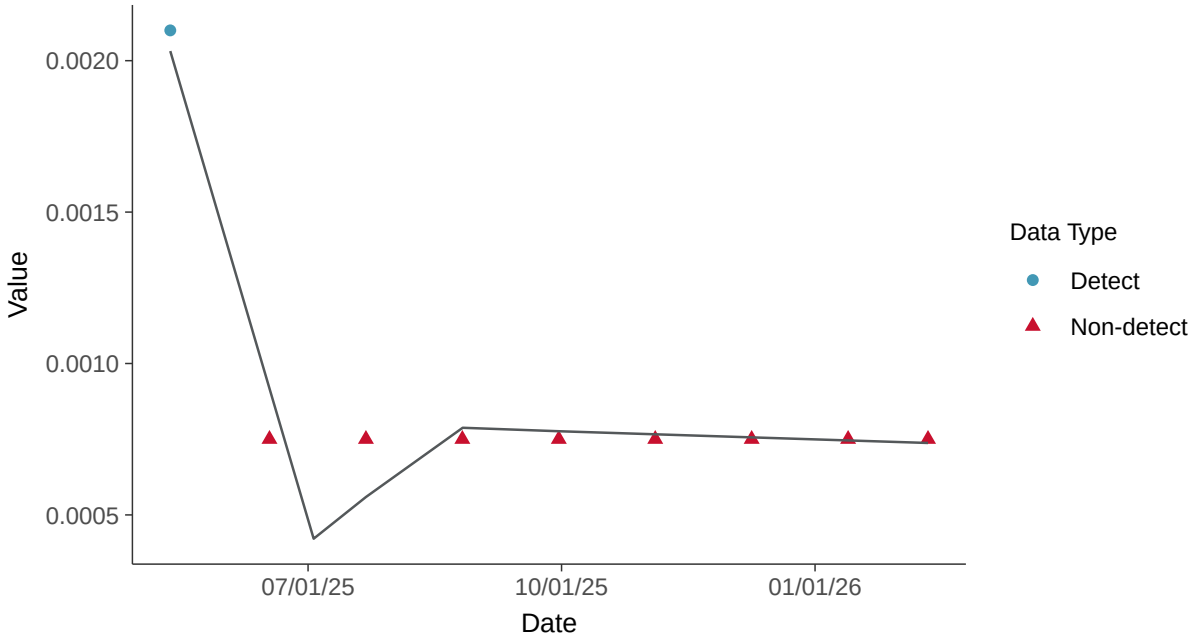
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-19D (mg/l)



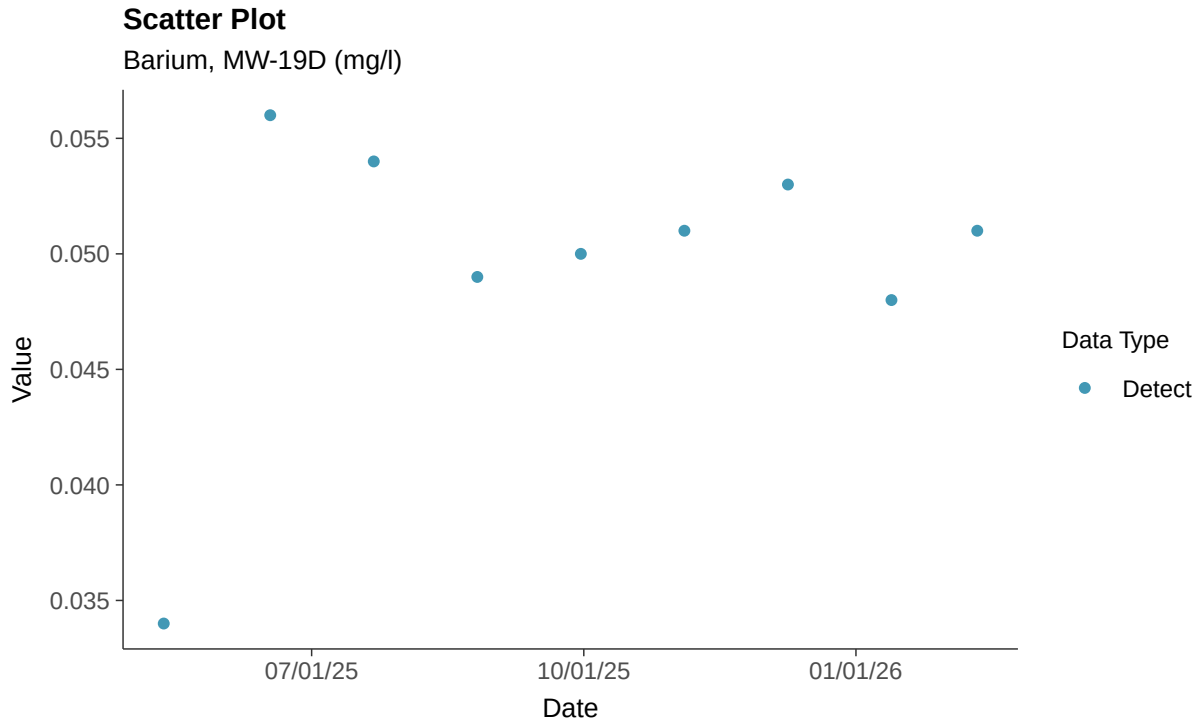
Trend Regression: Piecewise Linear-Linear-Linear

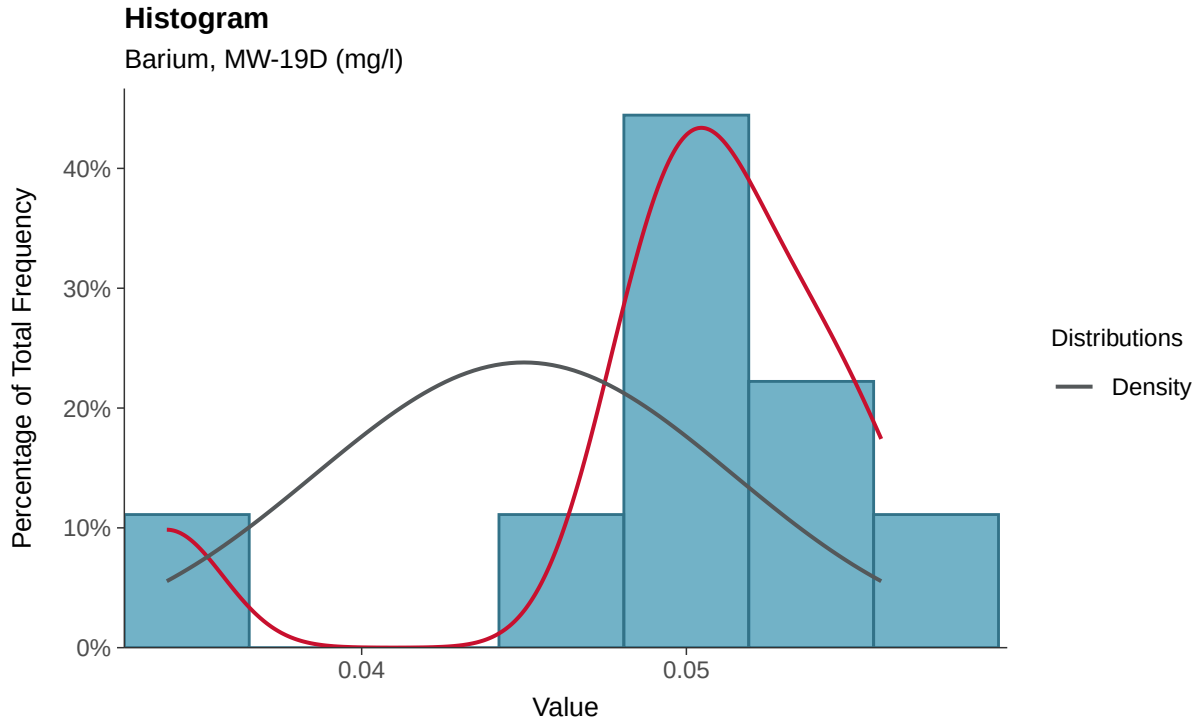
Arsenic, MW-19D (mg/l)



Appendix IV: Barium, MW-19D

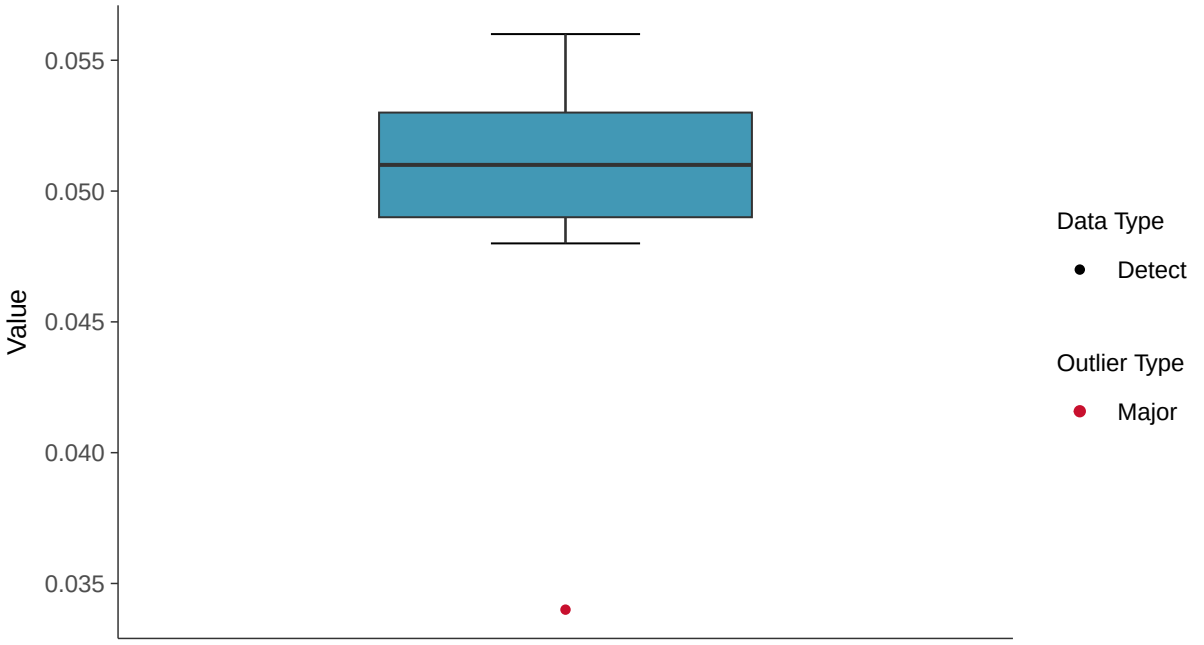
ID: 19_3_103





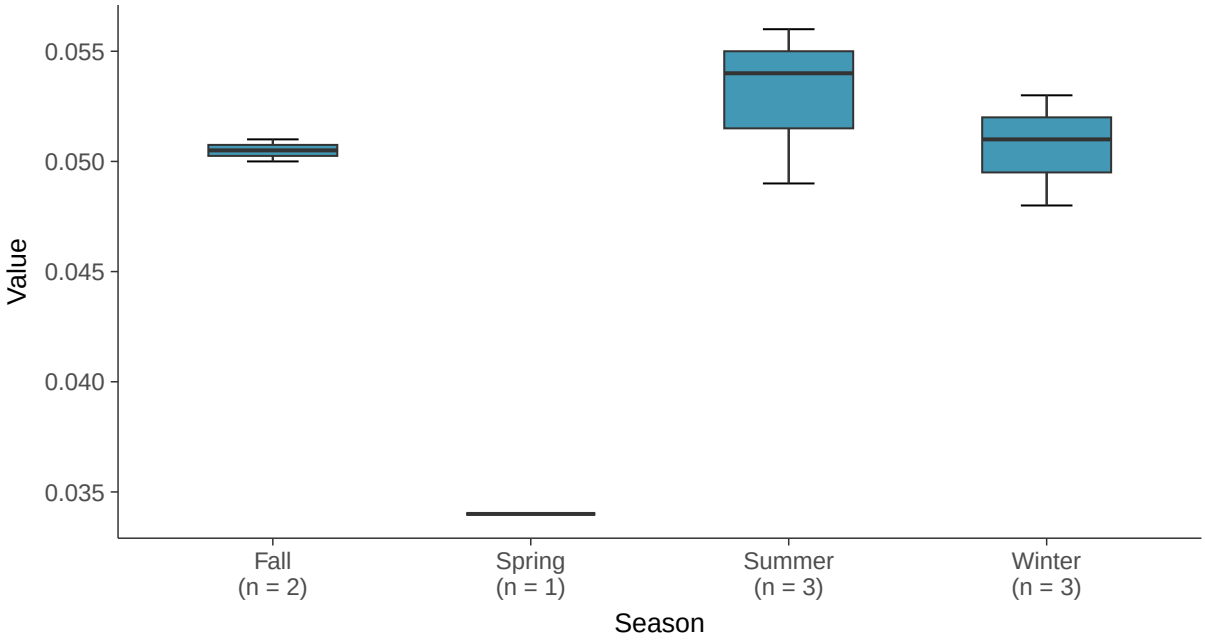
Boxplot

Barium, MW-19D (mg/l)



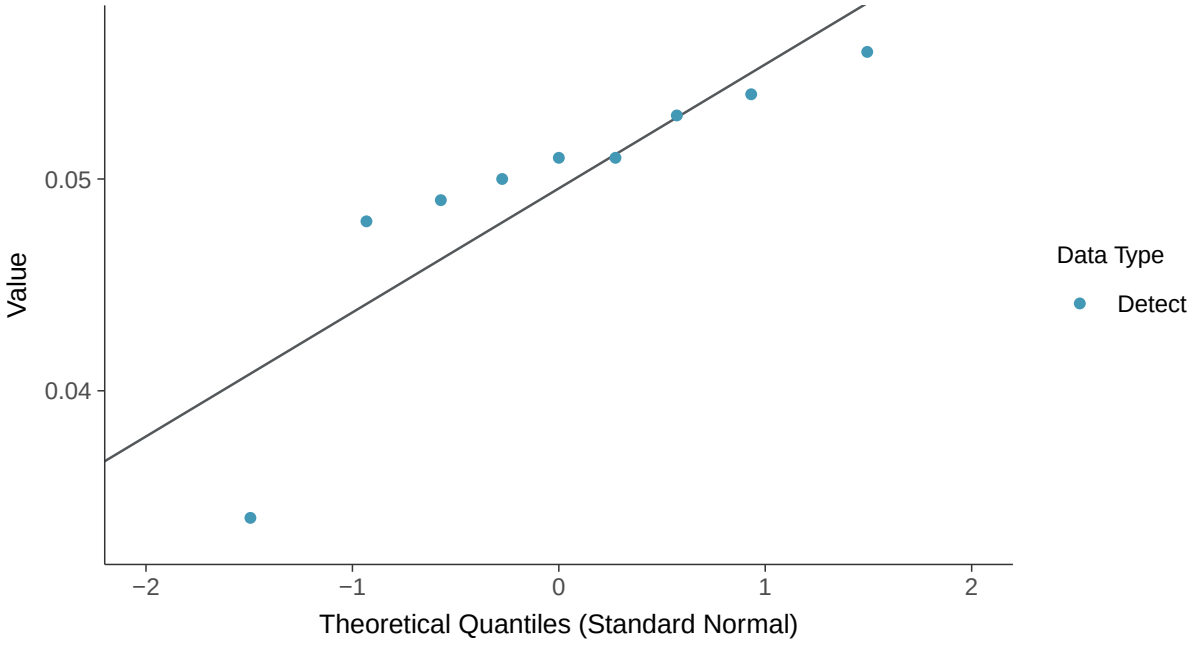
Boxplot by Season

Barium, MW-19D (mg/l)



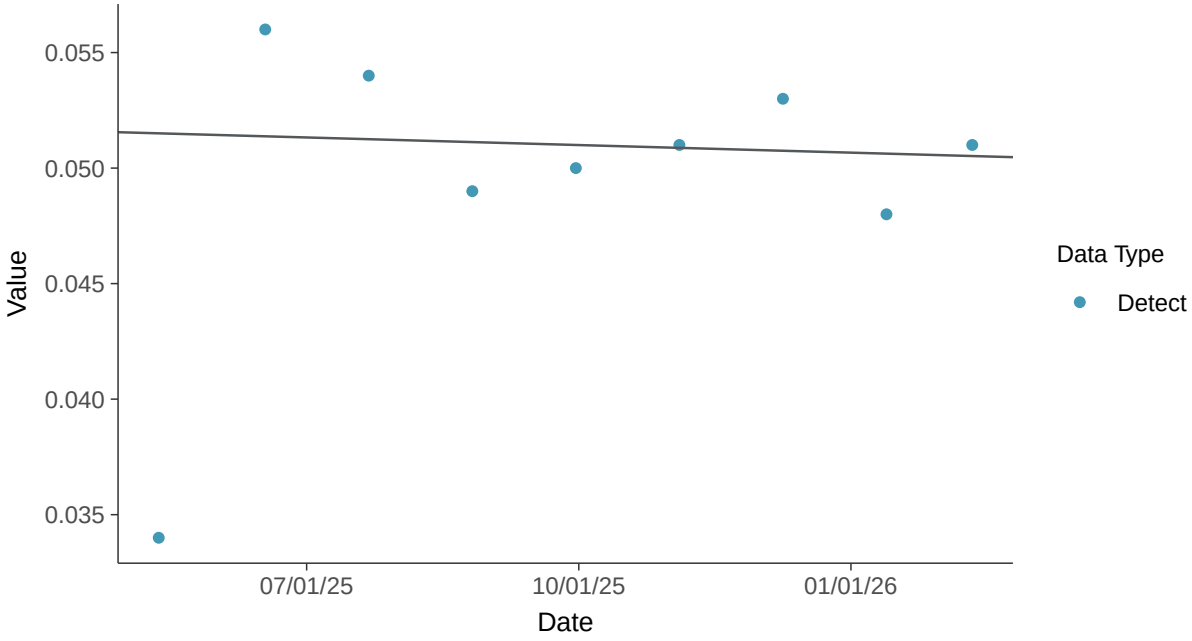
Normal Q-Q plot

Barium, MW-19D (mg/l)



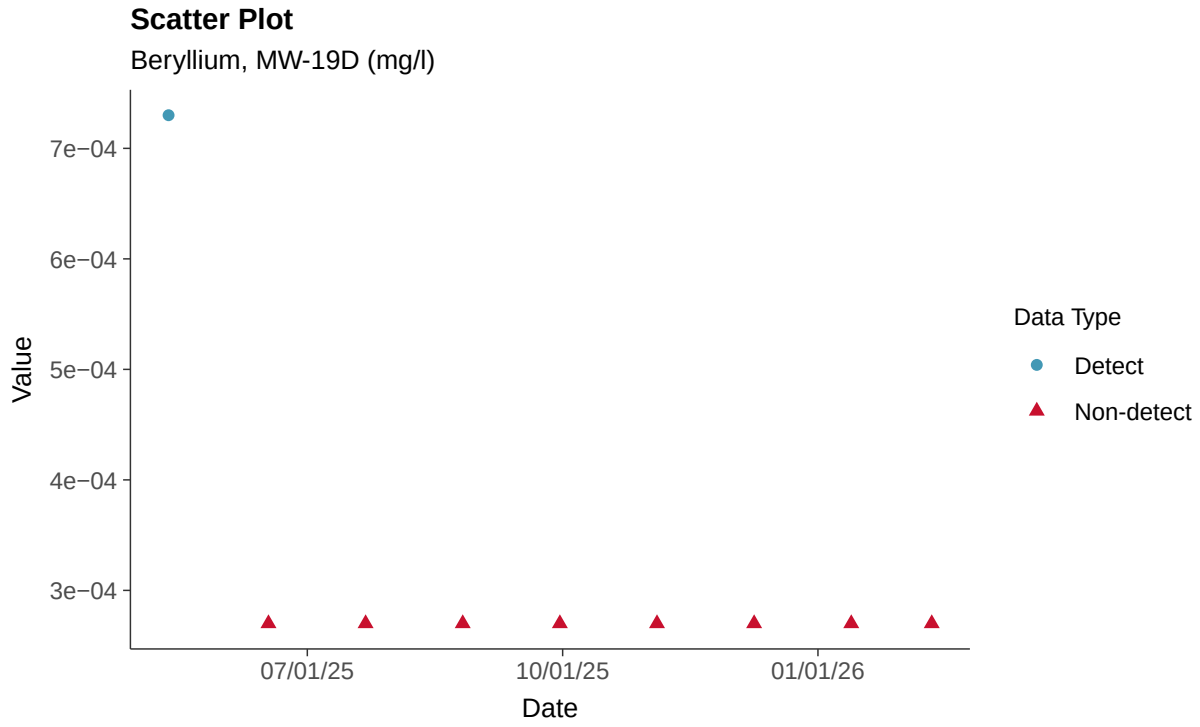
Trend Regression: Mann-Kendall/Theil-Sen Estimate

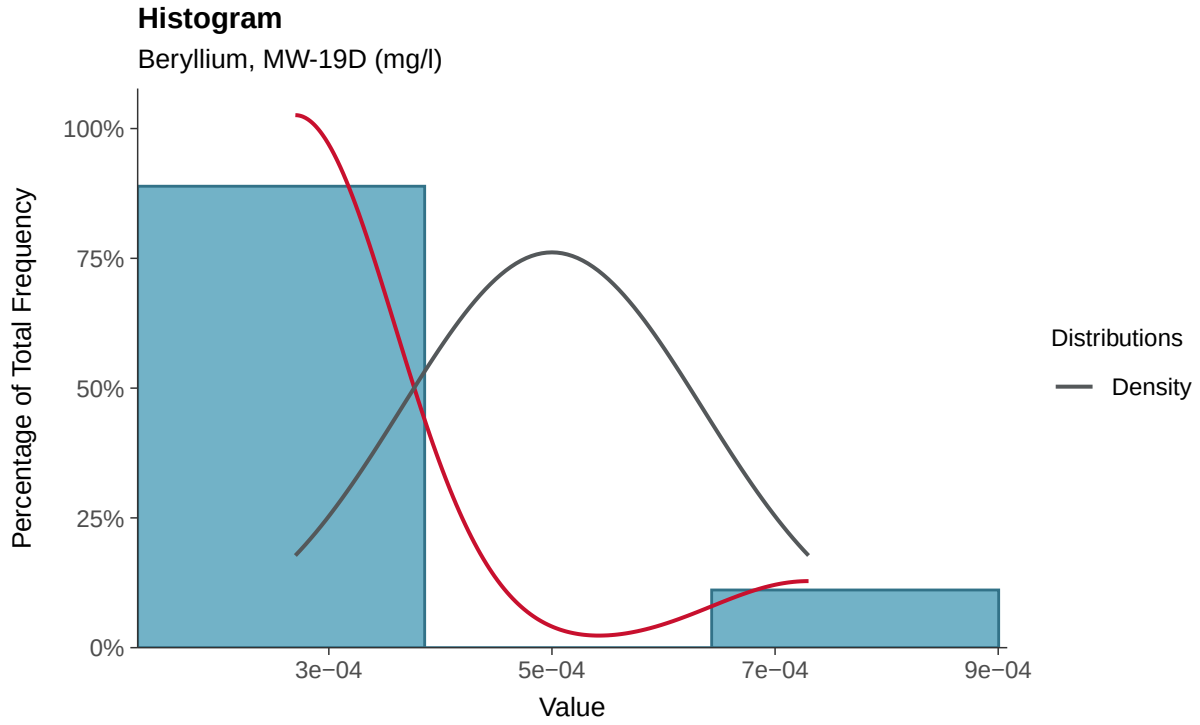
Barium, MW-19D (mg/l)



Appendix IV: Beryllium, MW-19D

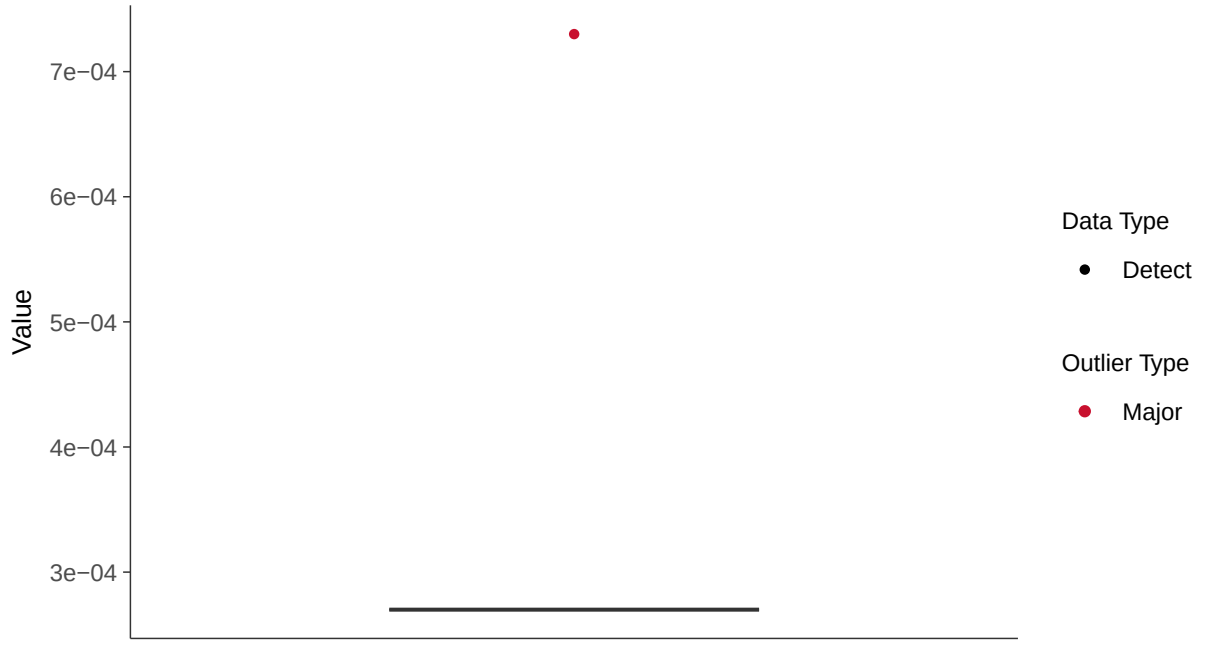
ID: 19_3_104





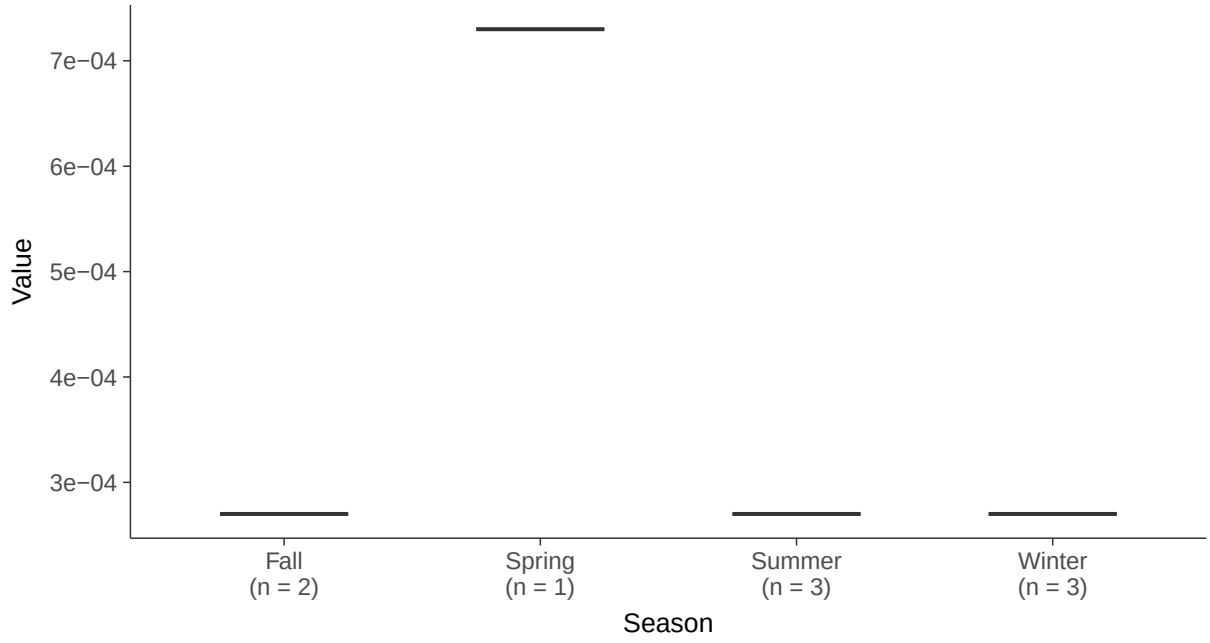
Boxplot

Beryllium, MW-19D (mg/l)



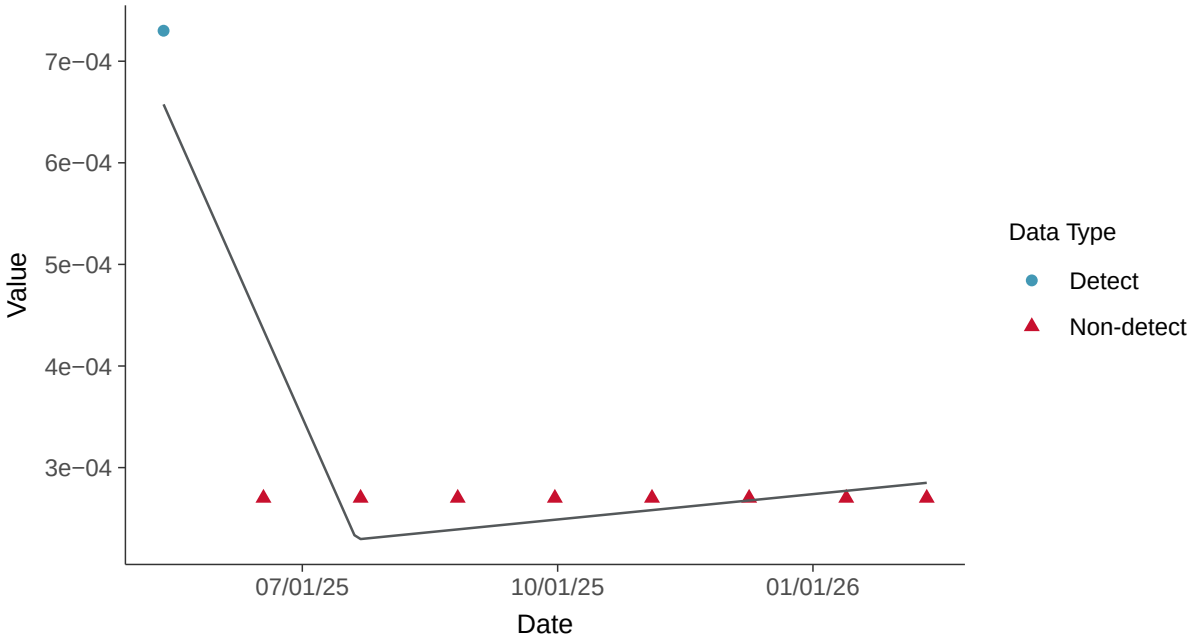
Boxplot by Season

Beryllium, MW-19D (mg/l)



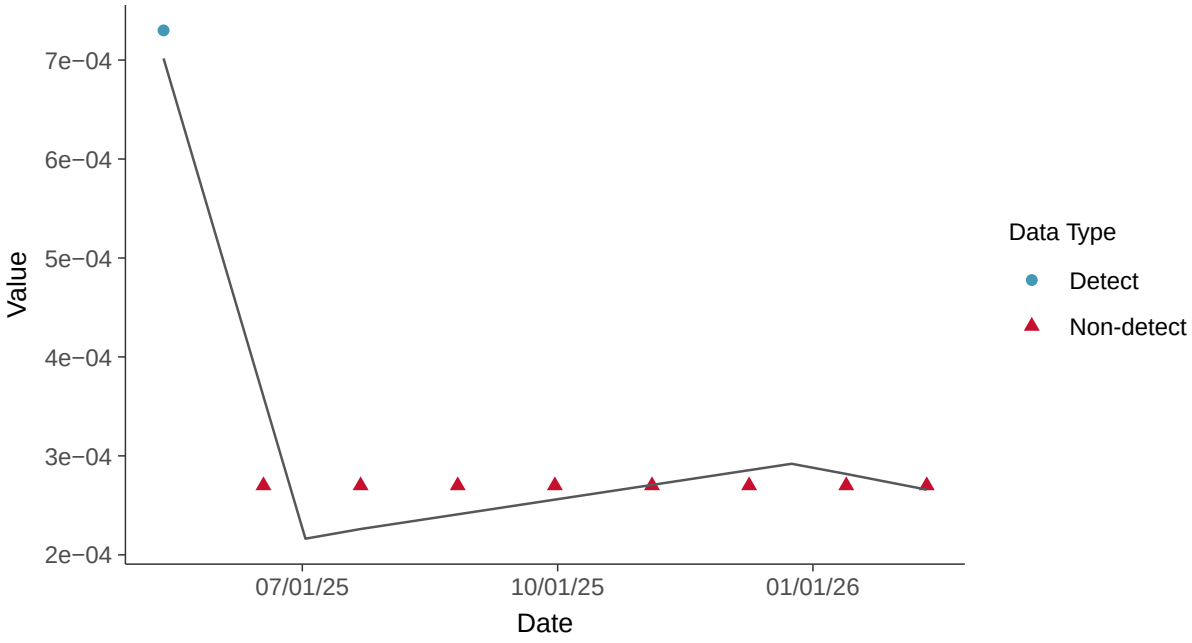
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-19D (mg/l)



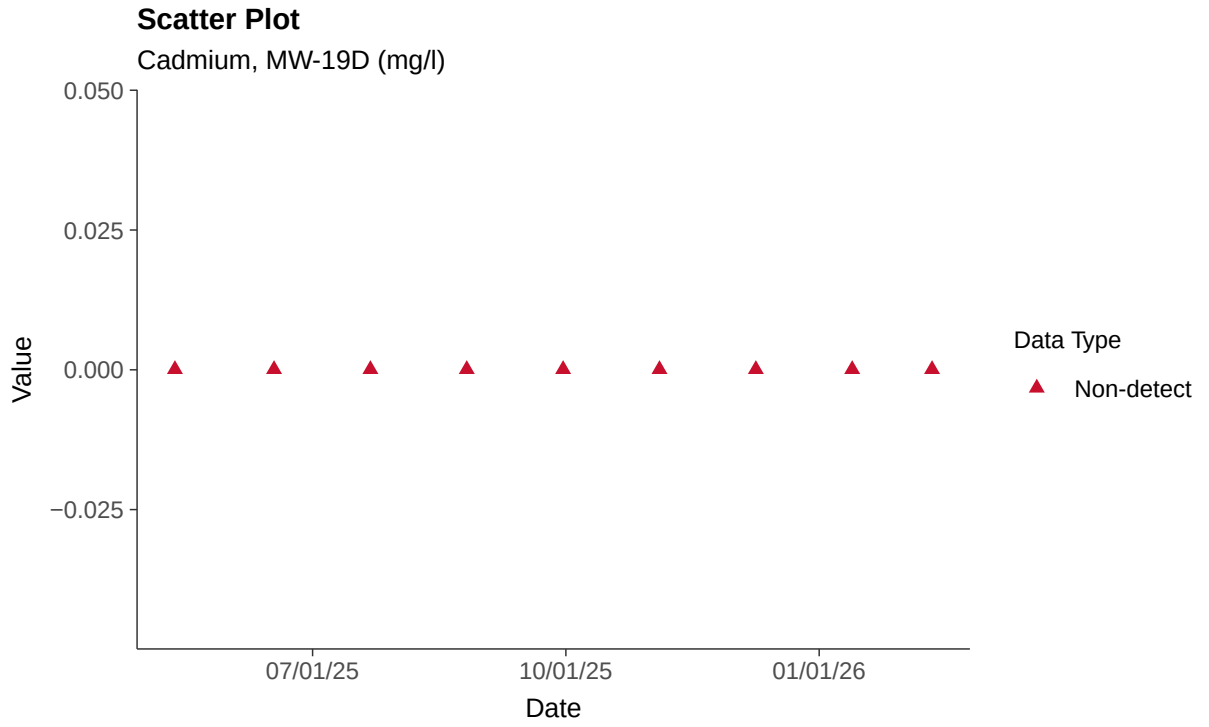
Trend Regression: Piecewise Linear-Linear-Linear

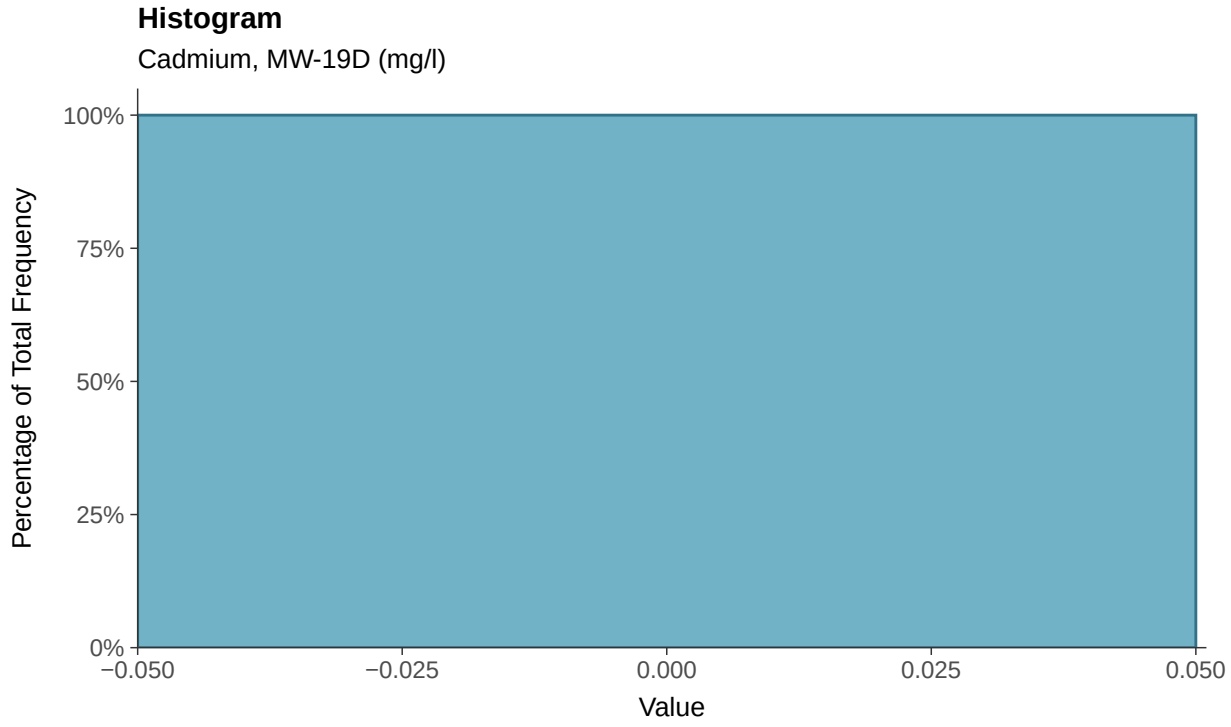
Beryllium, MW-19D (mg/l)



Appendix IV: Cadmium, MW-19D

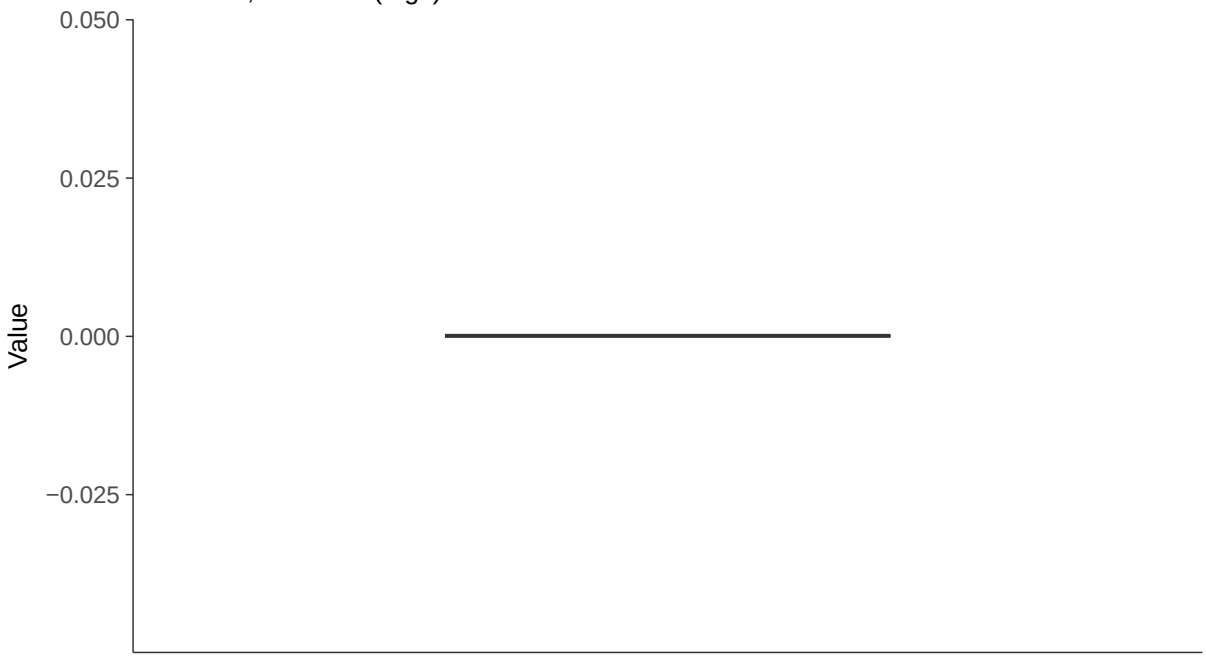
ID: 19_3_106





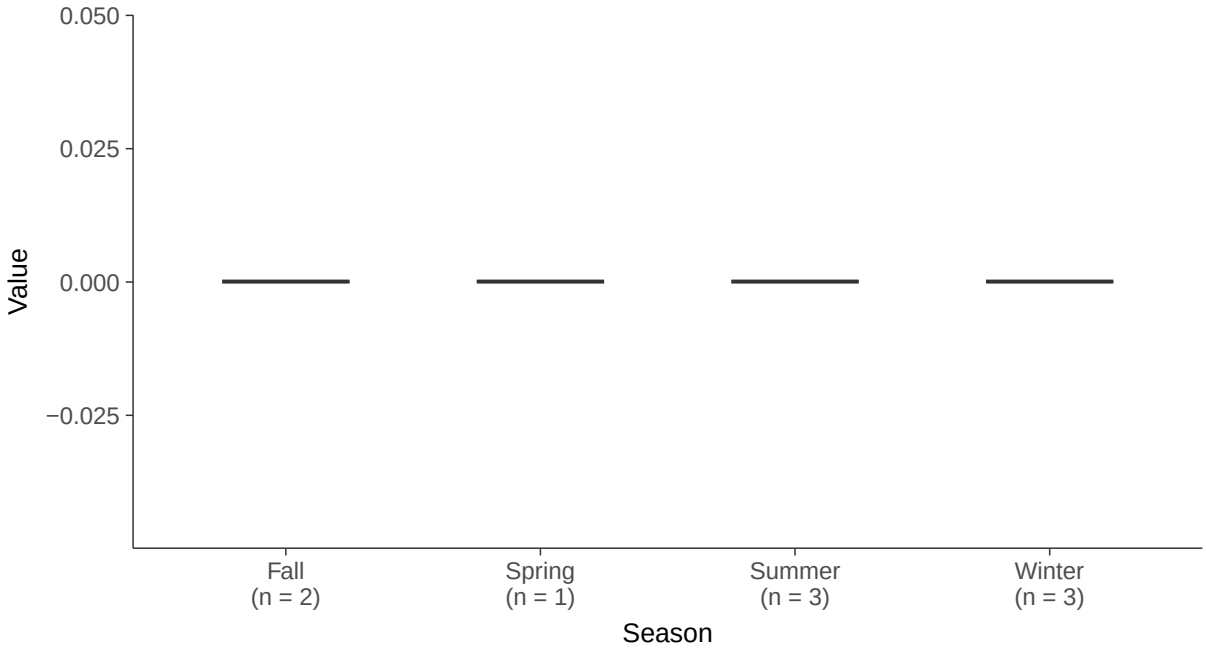
Boxplot

Cadmium, MW-19D (mg/l)



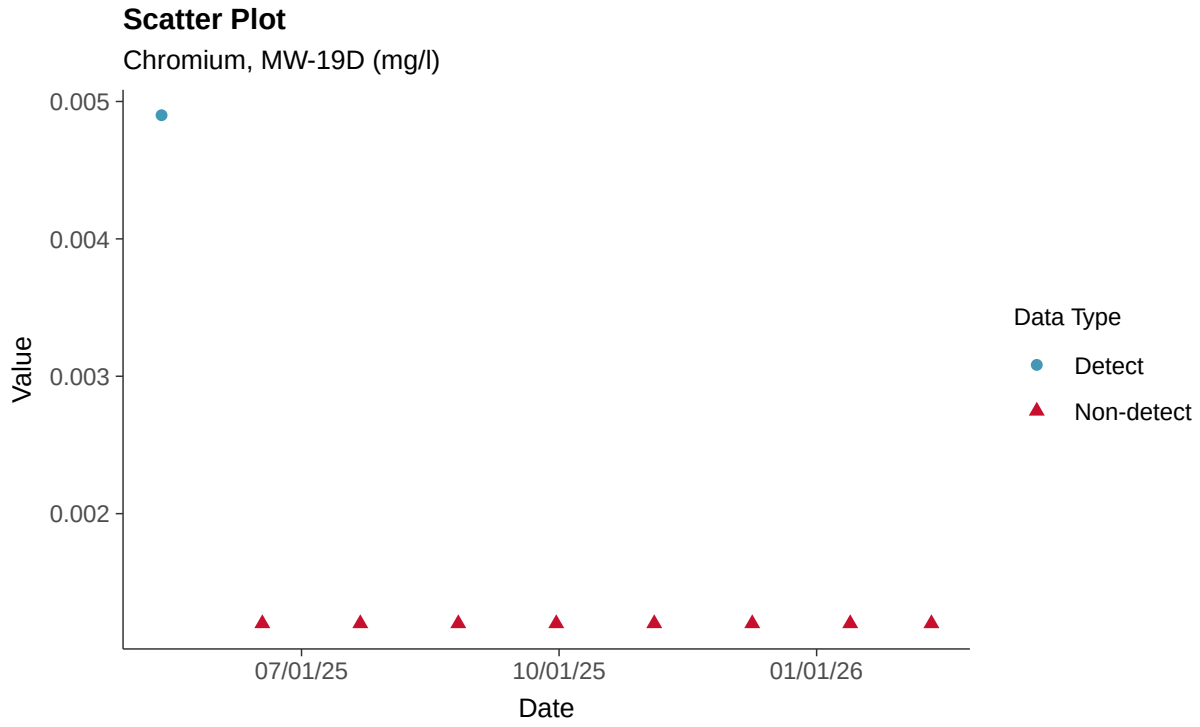
Boxplot by Season

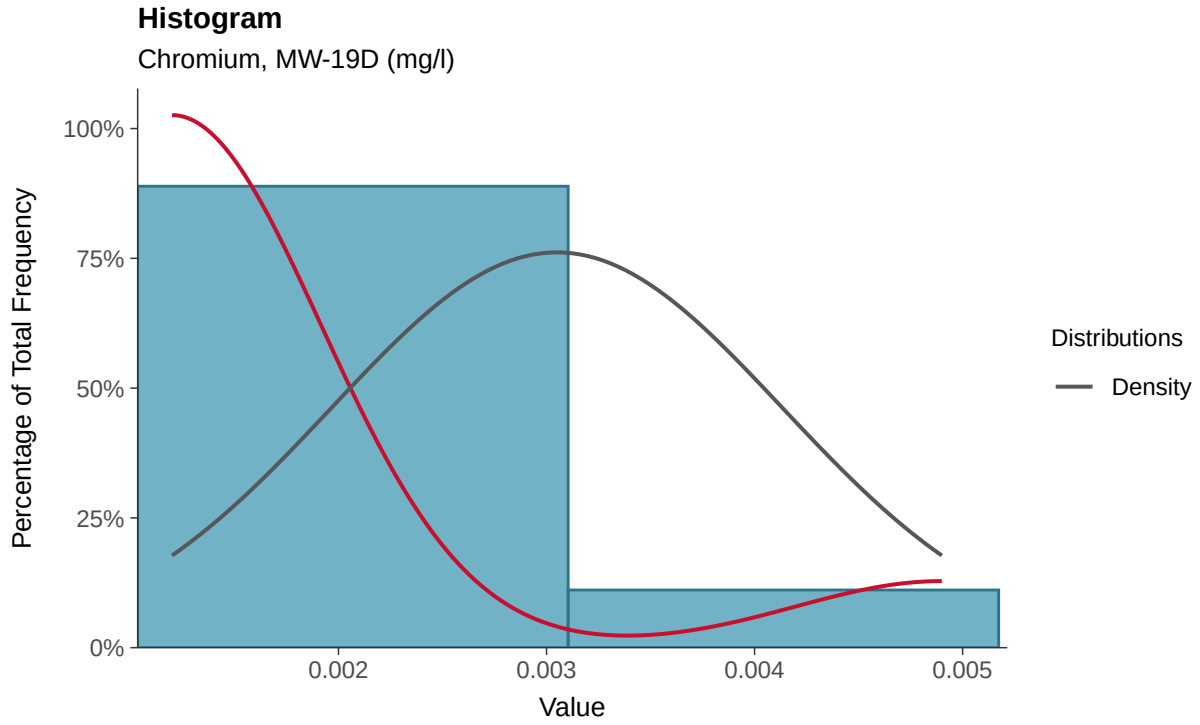
Cadmium, MW-19D (mg/l)



Appendix IV: Chromium, MW-19D

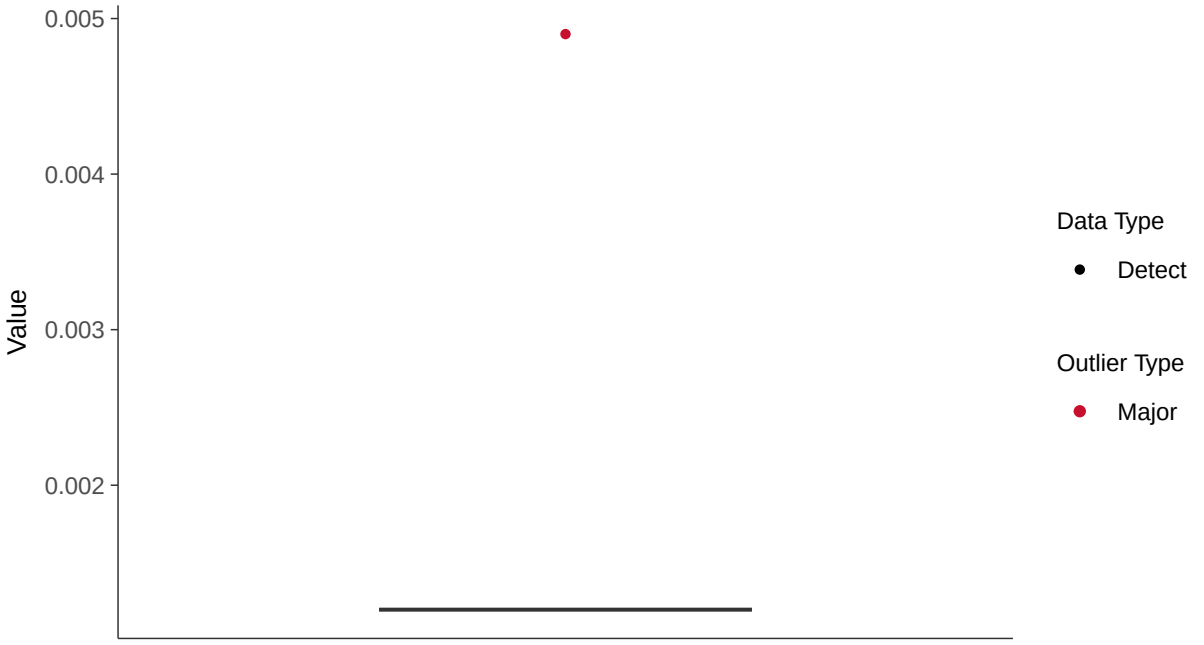
ID: 19_3_109





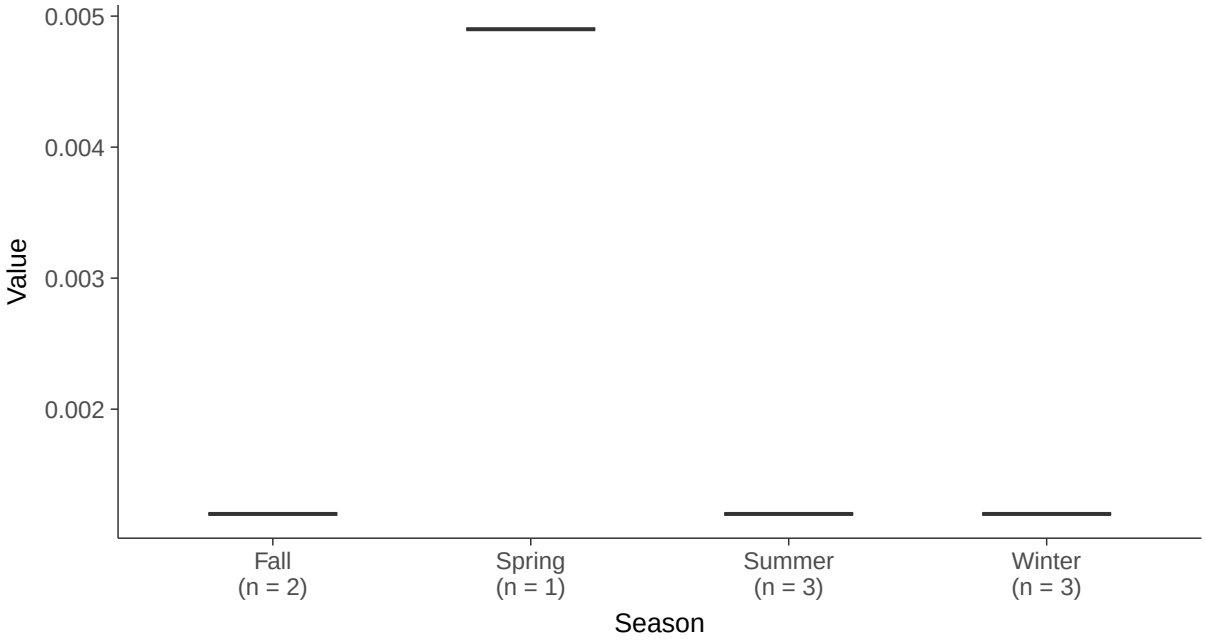
Boxplot

Chromium, MW-19D (mg/l)



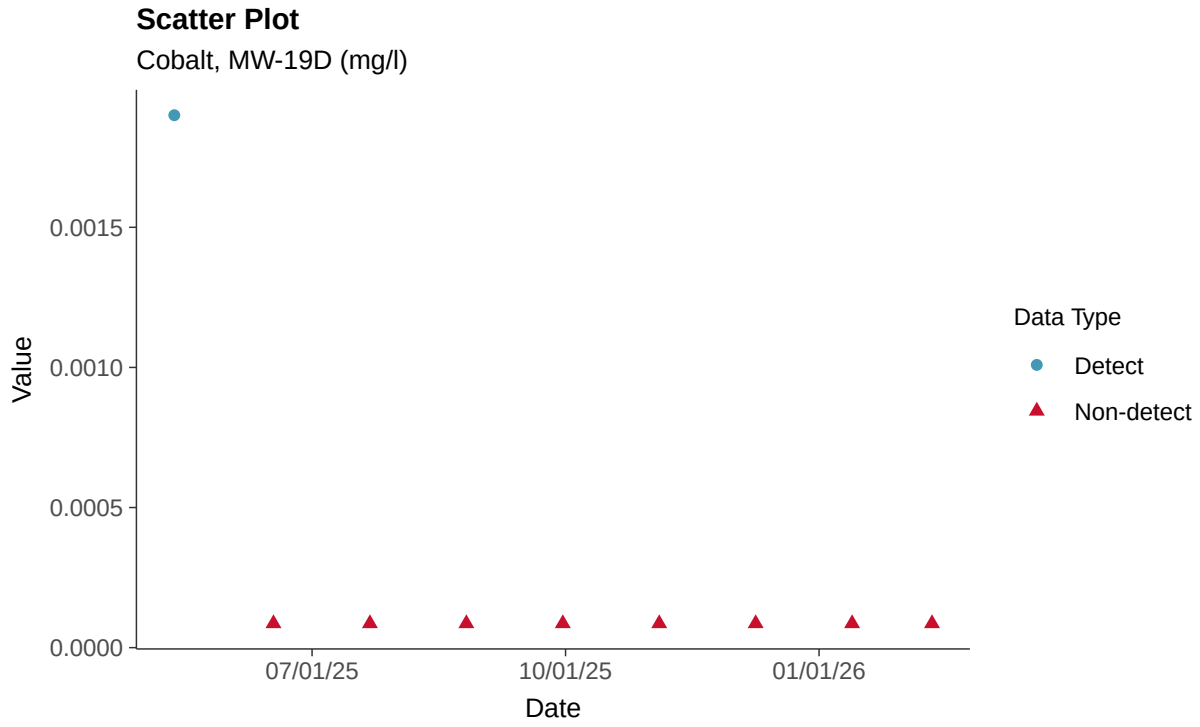
Boxplot by Season

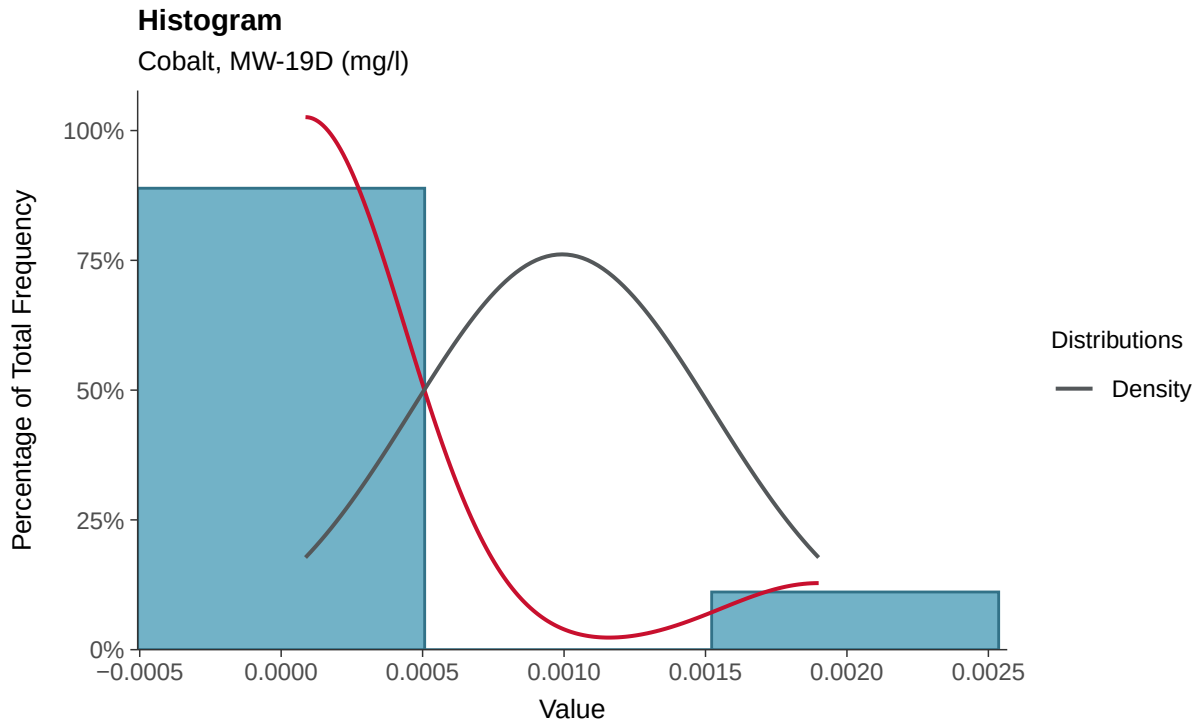
Chromium, MW-19D (mg/l)



Appendix IV: Cobalt, MW-19D

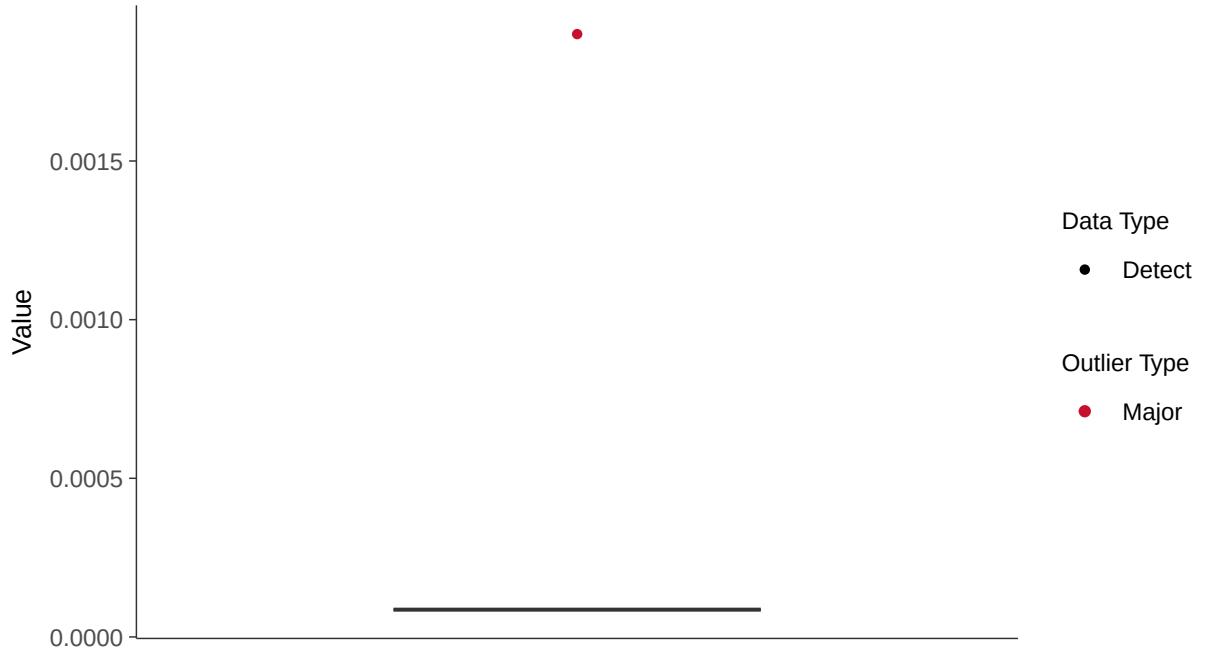
ID: 19_3_110





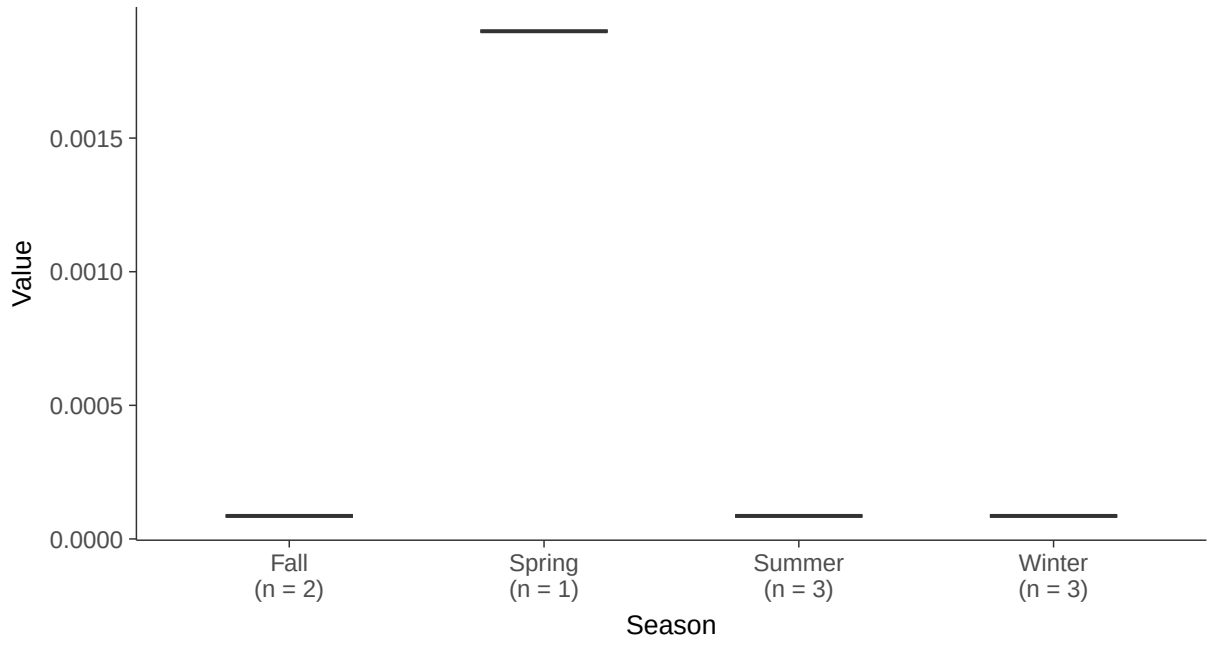
Boxplot

Cobalt, MW-19D (mg/l)



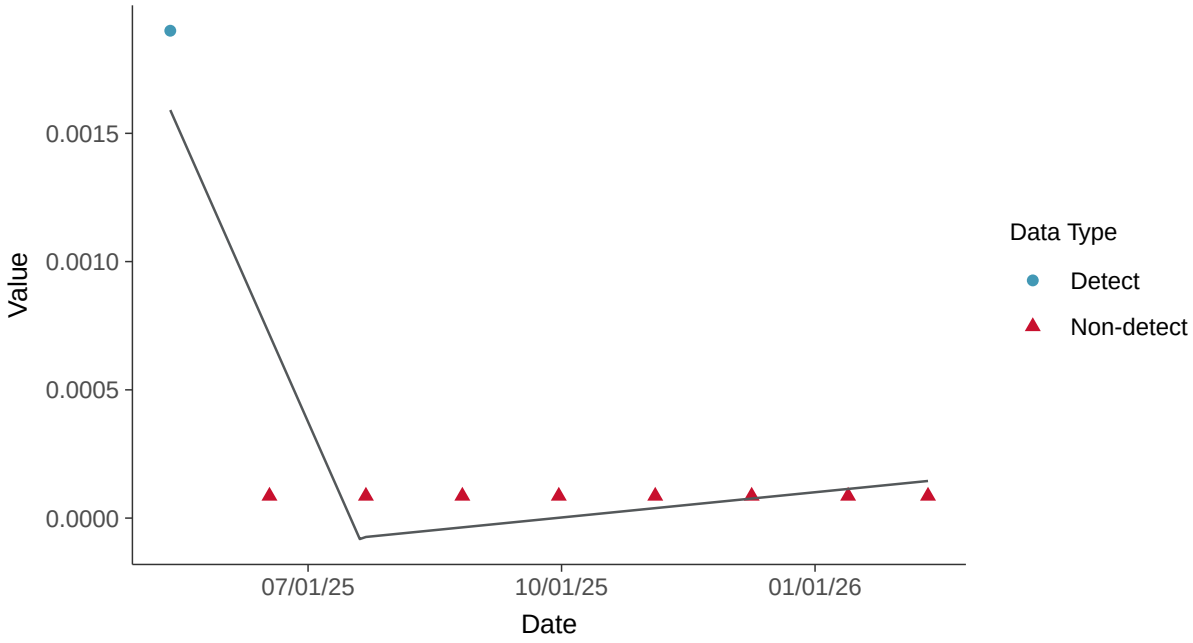
Boxplot by Season

Cobalt, MW-19D (mg/l)



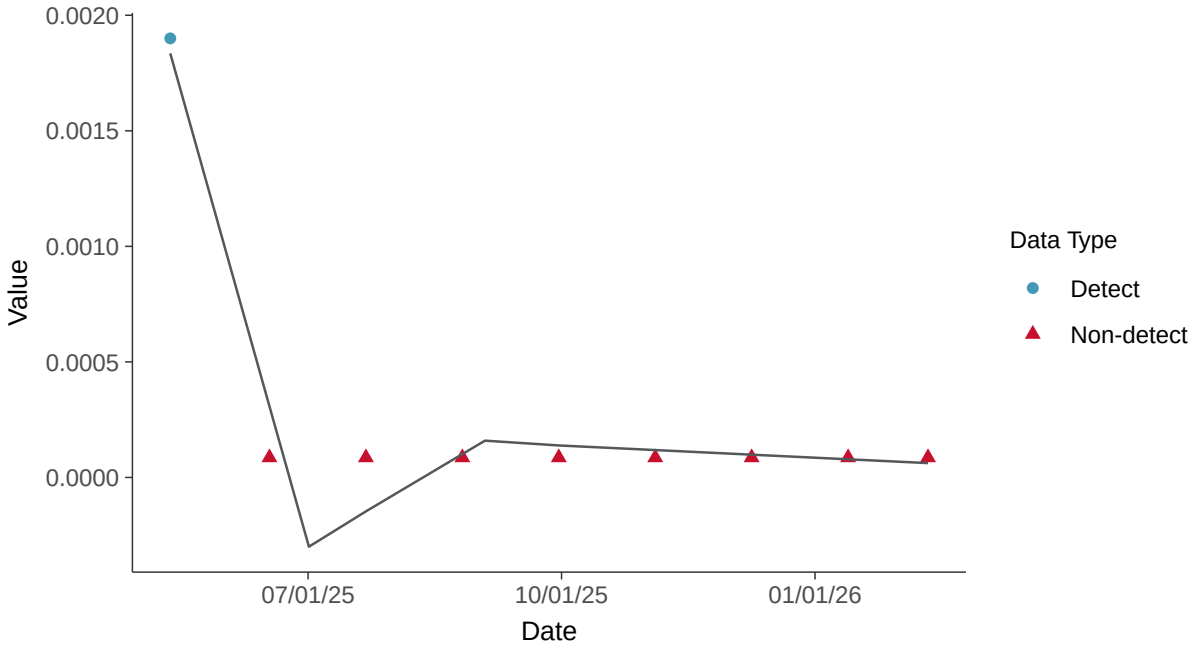
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-19D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Cobalt, MW-19D (mg/l)

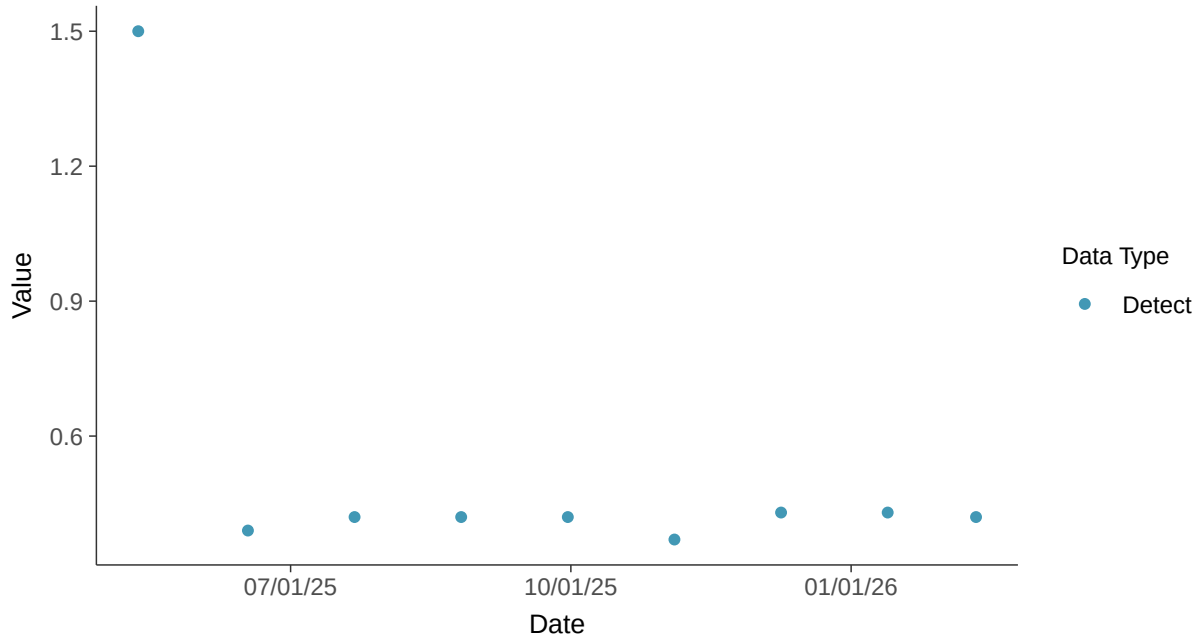


Appendix IV: Fluoride (App IV), MW-19D

ID: 19_3_113

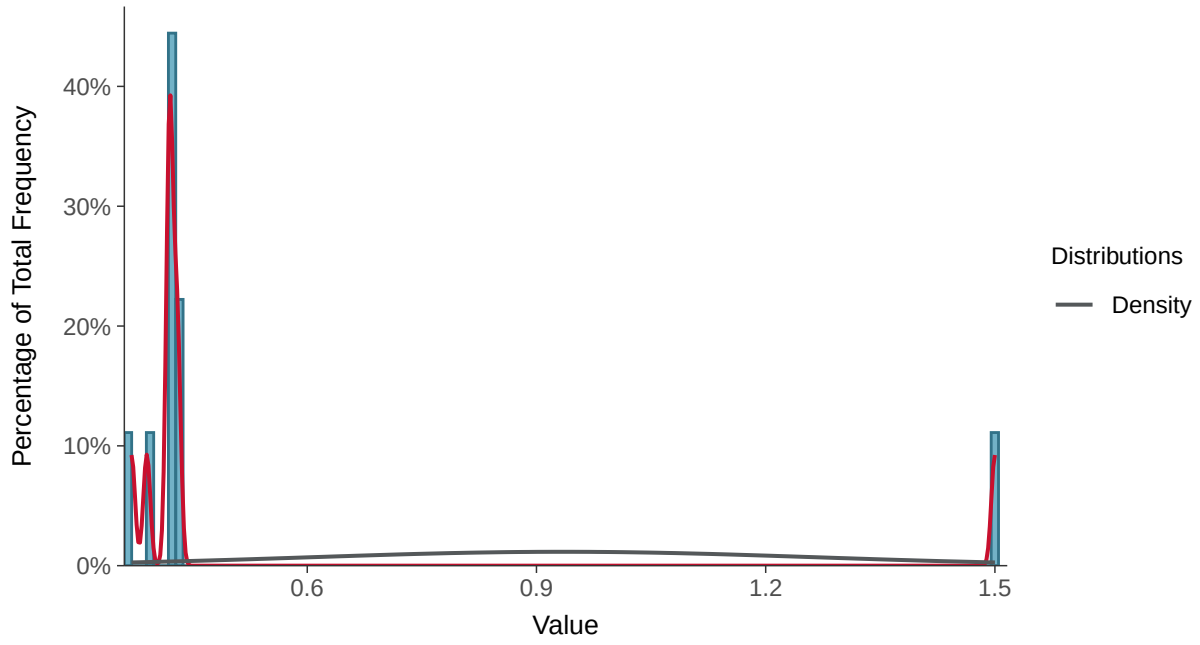
Scatter Plot

Fluoride (App IV), MW-19D (mg/l)



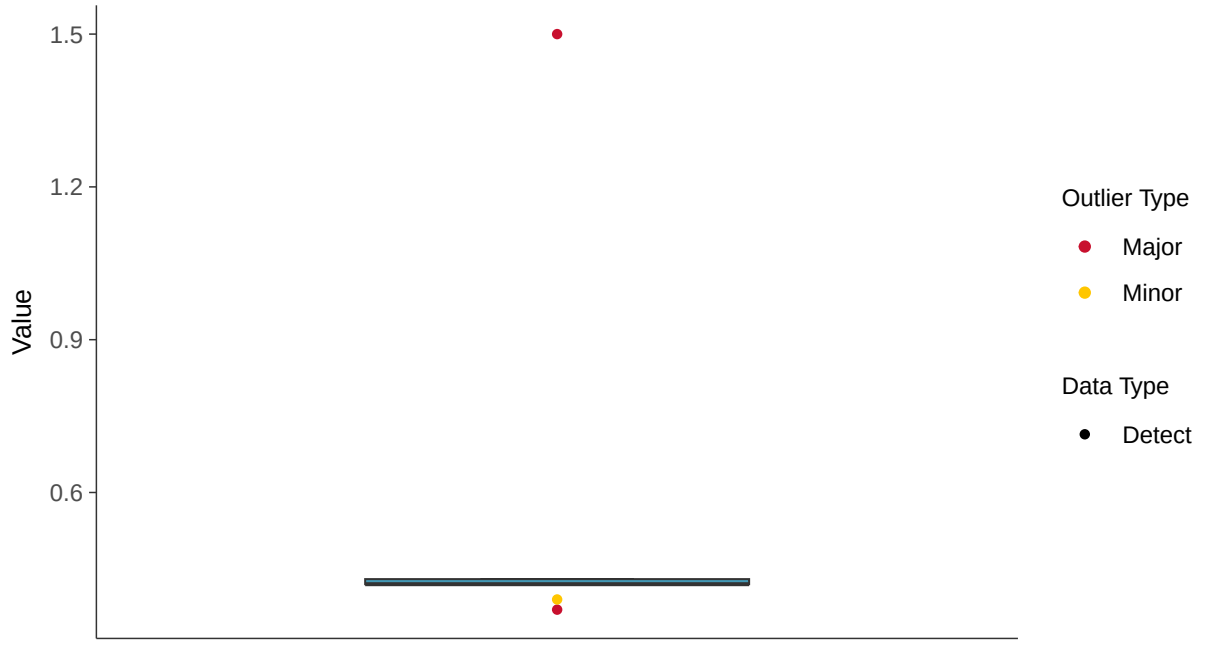
Histogram

Fluoride (App IV), MW-19D (mg/l)



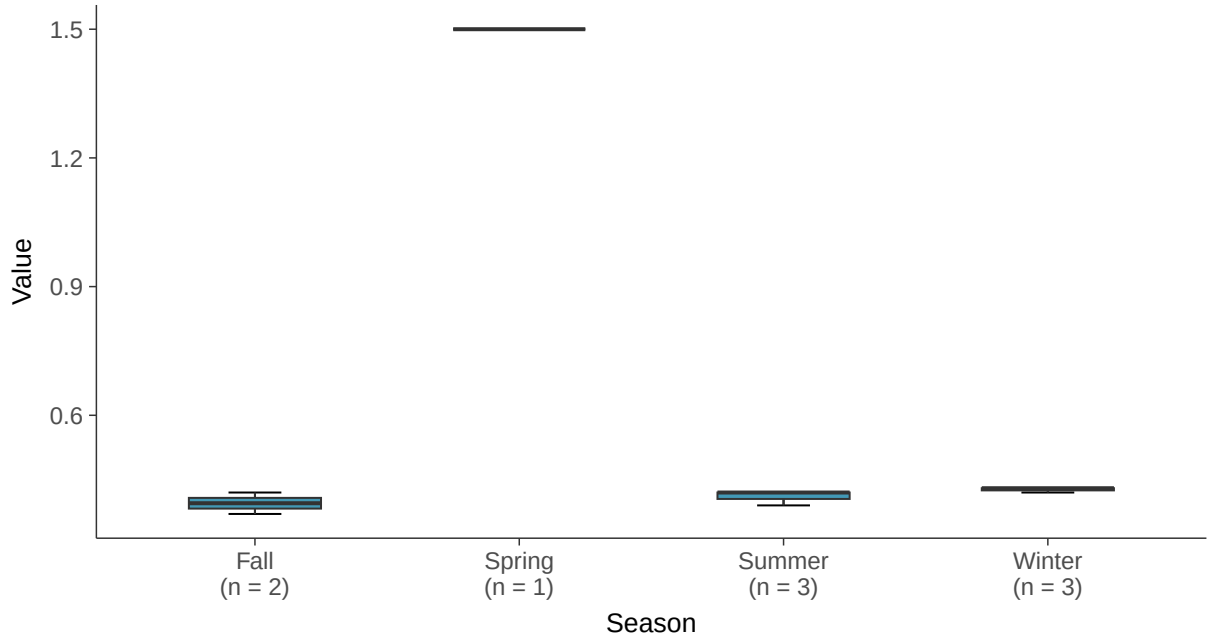
Boxplot

Fluoride (App IV), MW-19D (mg/l)



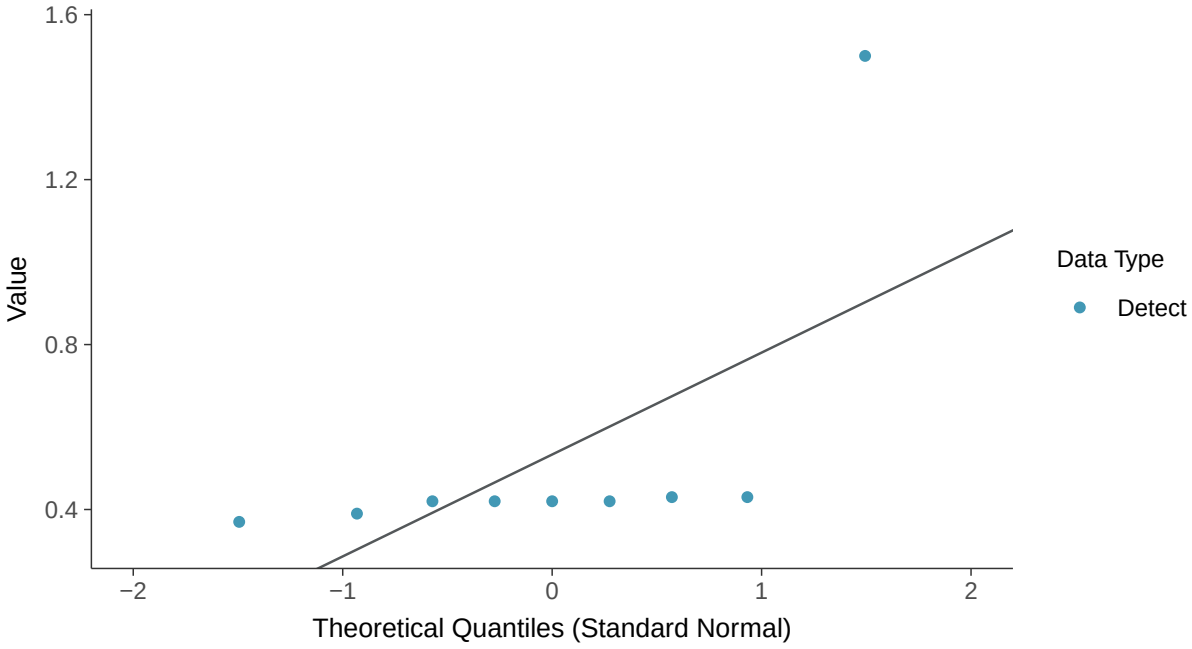
Boxplot by Season

Fluoride (App IV), MW-19D (mg/l)



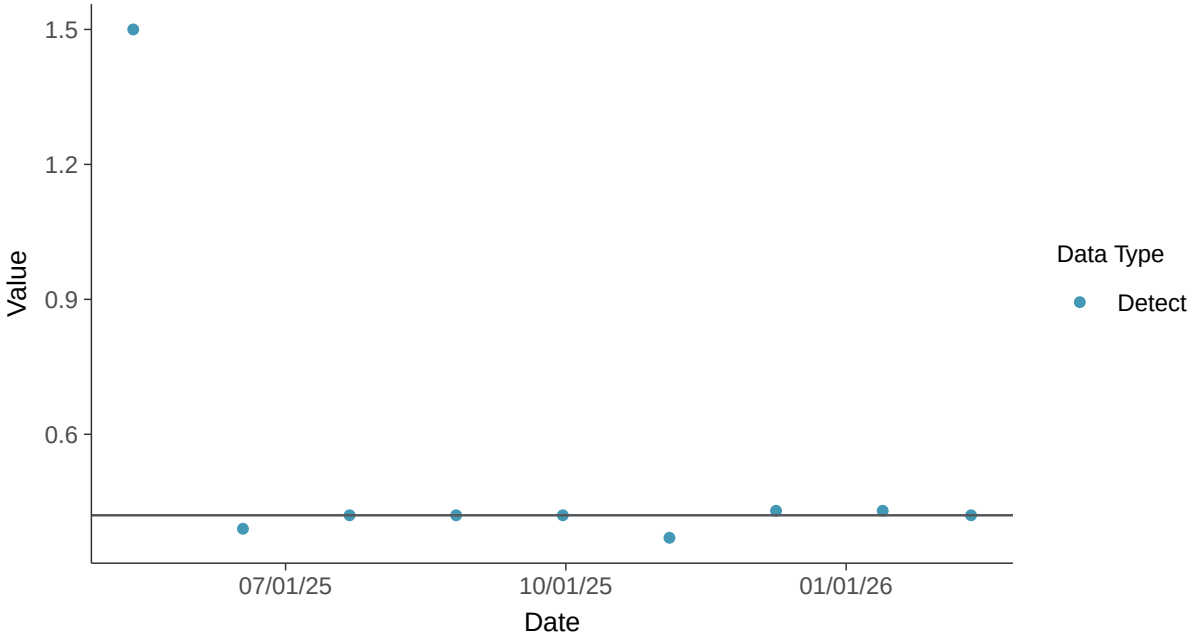
Normal Q-Q plot

Fluoride (App IV), MW-19D (mg/l)



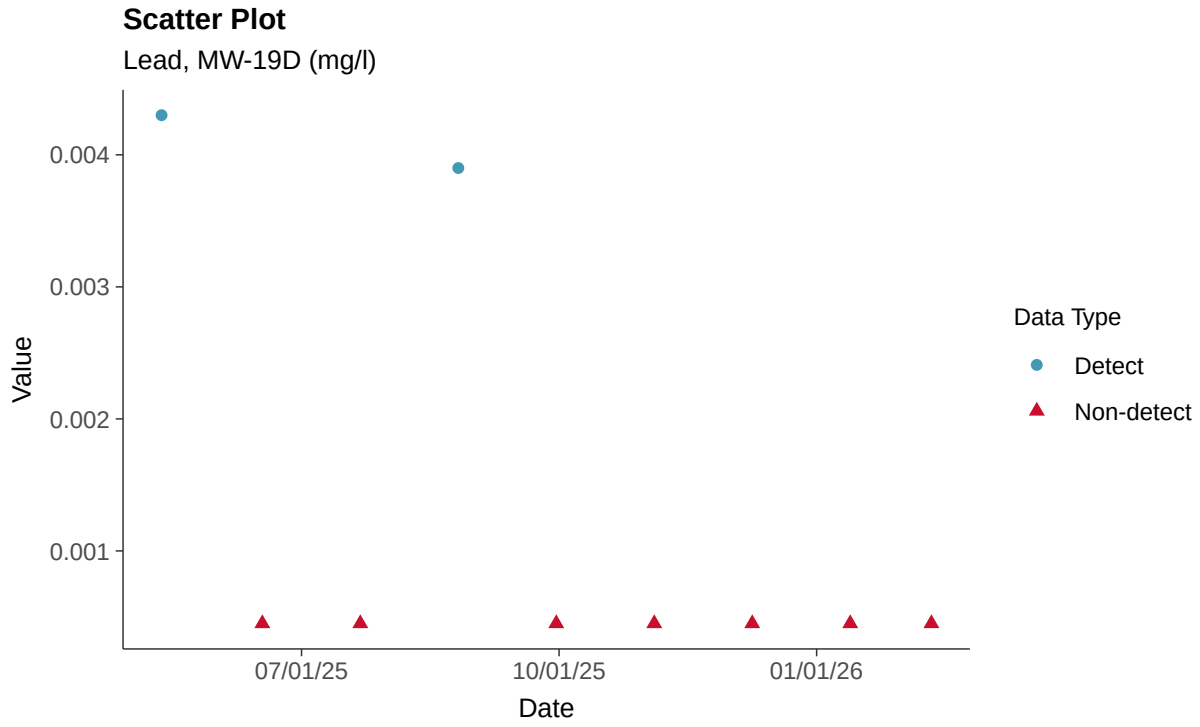
Trend Regression: Mann-Kendall/Theil-Sen Estimate

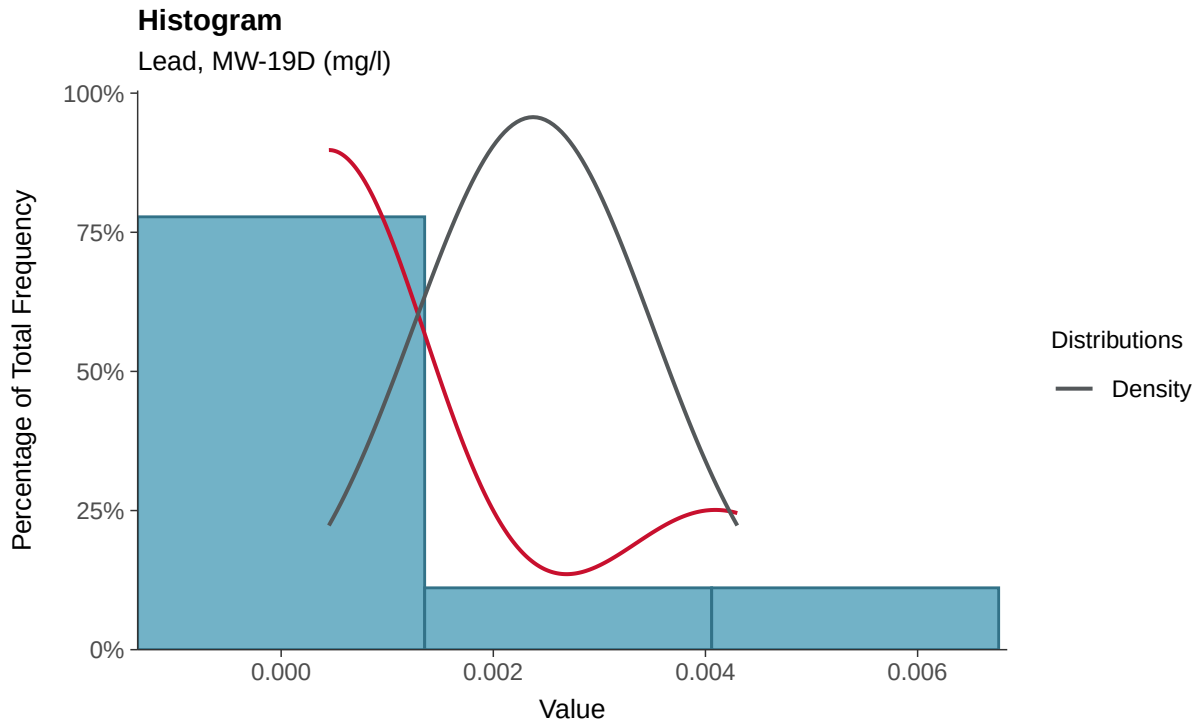
Fluoride (App IV), MW-19D (mg/l)



Appendix IV: Lead, MW-19D

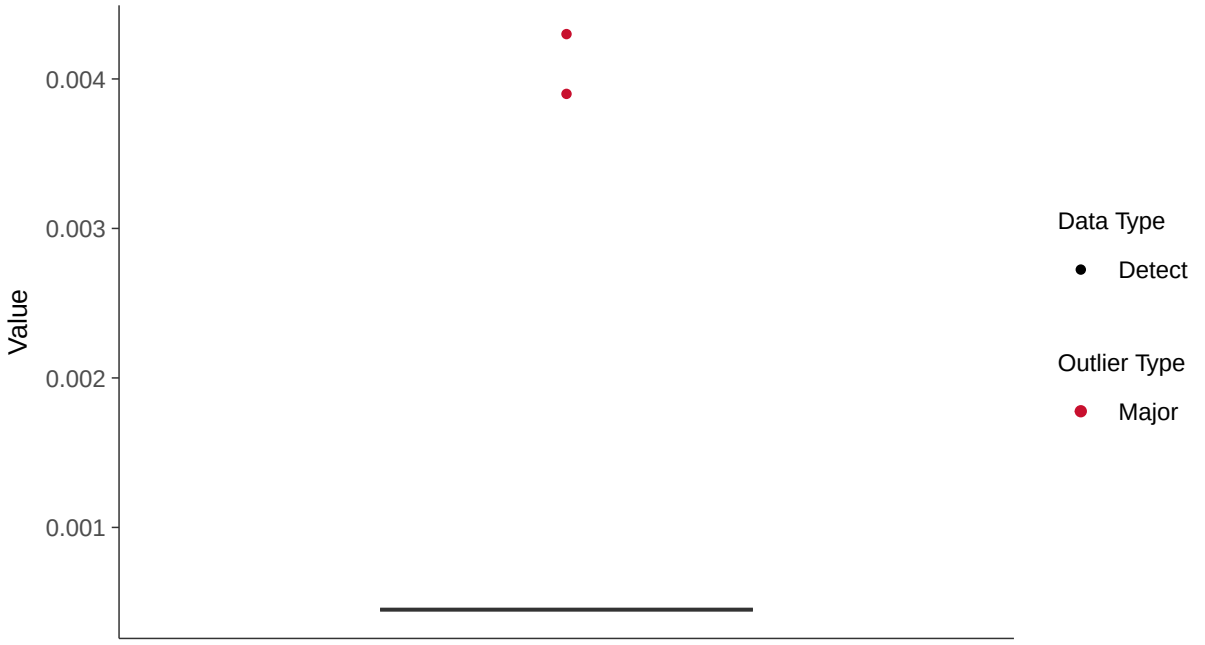
ID: 19_3_115





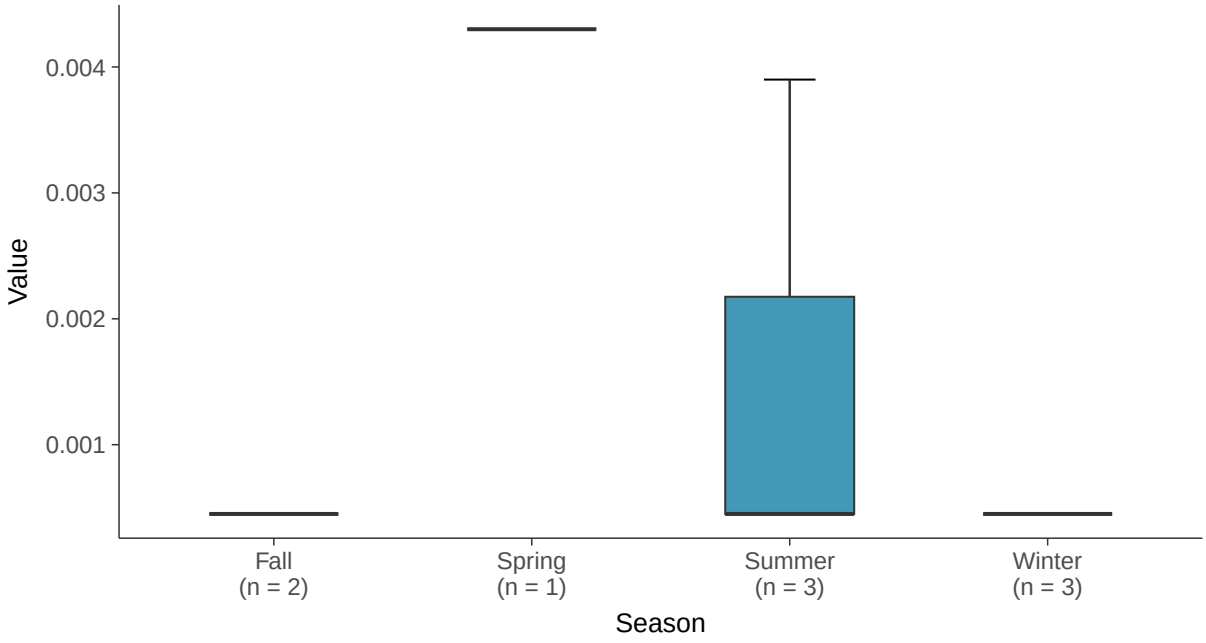
Boxplot

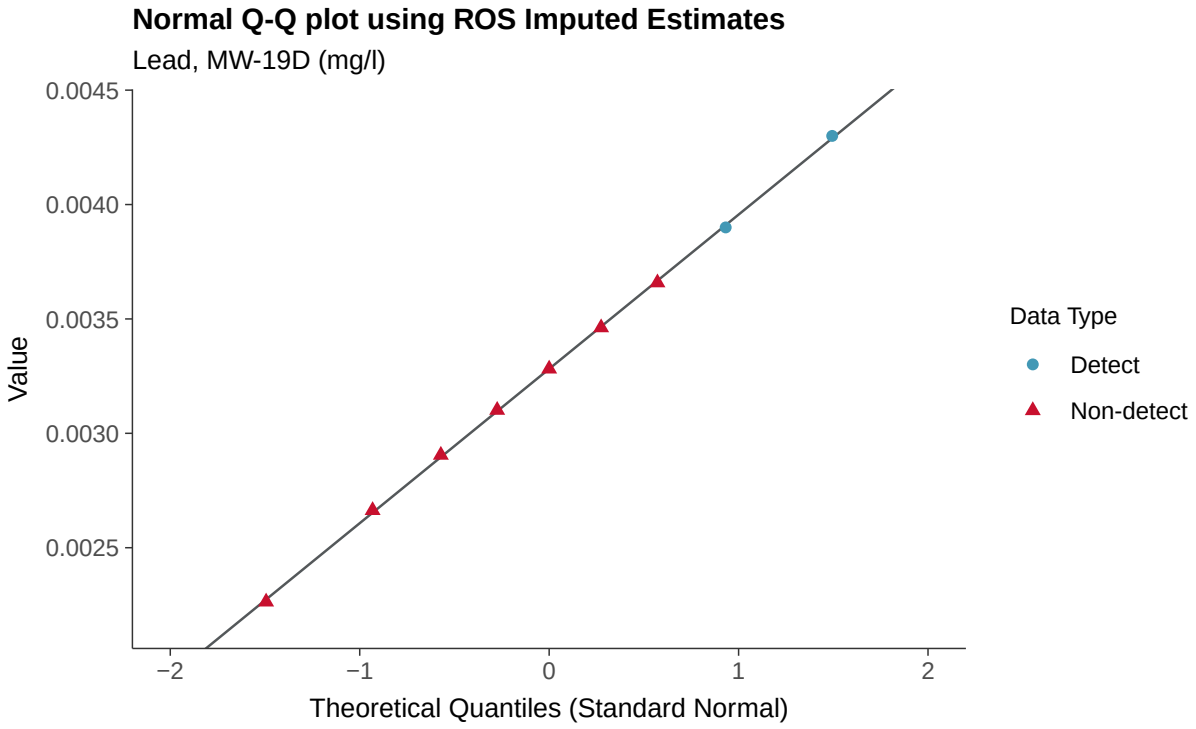
Lead, MW-19D (mg/l)



Boxplot by Season

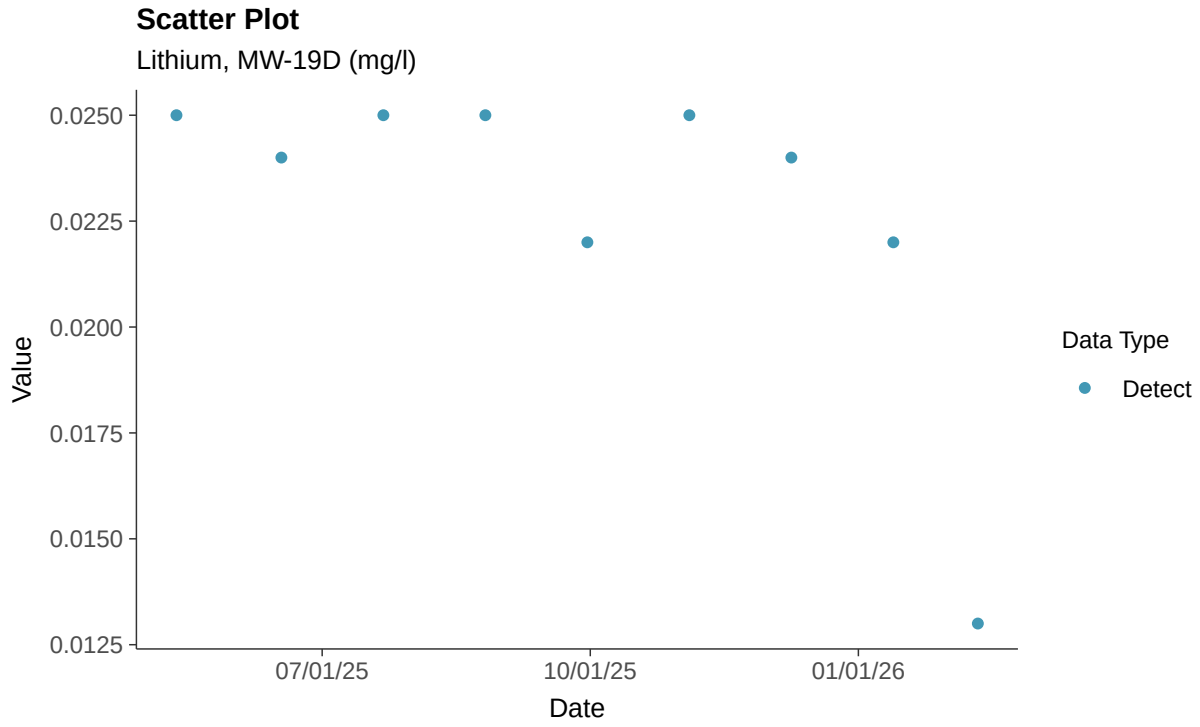
Lead, MW-19D (mg/l)

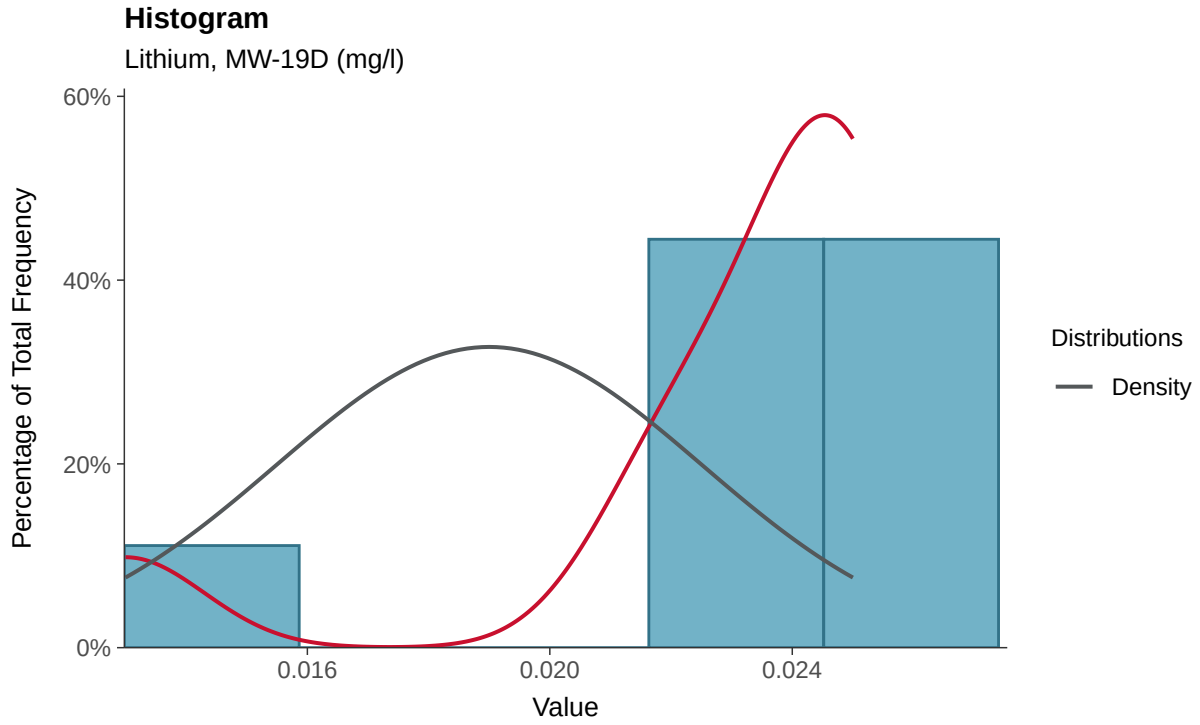



Normal Q-Q plot using ROS Imputed Estimates
Lead, MW-19D (mg/l)
Value
0.0045
0.0040
0.0035
0.0030
0.0025
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect
Non-detect

Appendix IV: Lithium, MW-19D

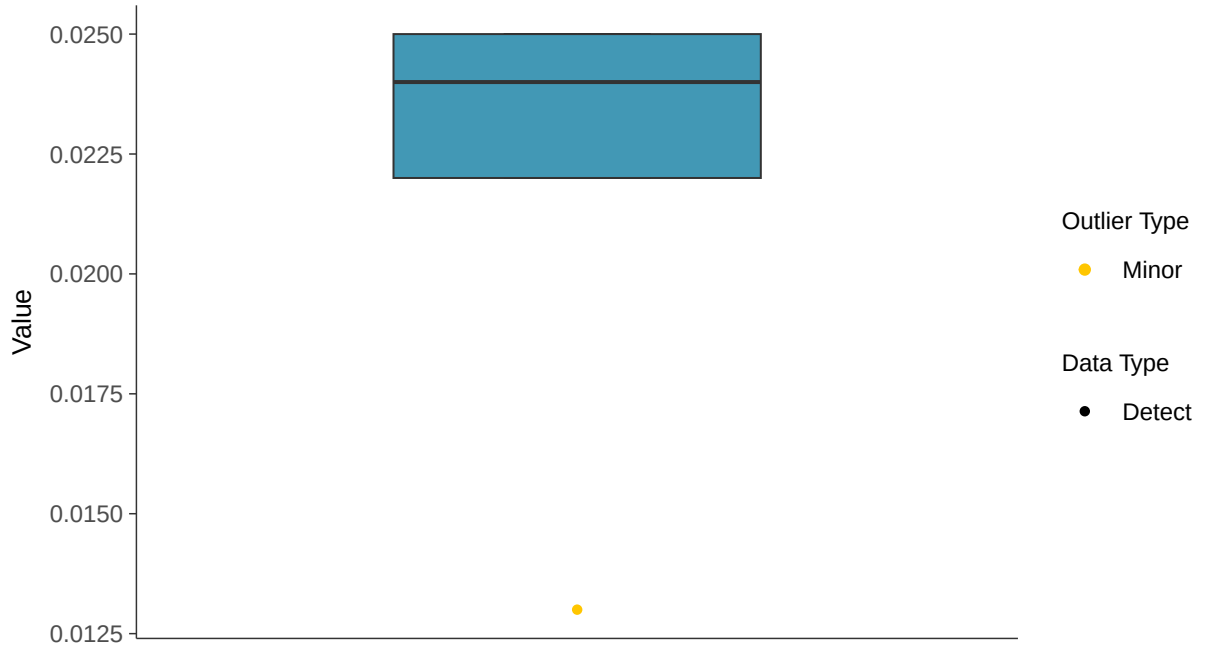
ID: 19_3_116





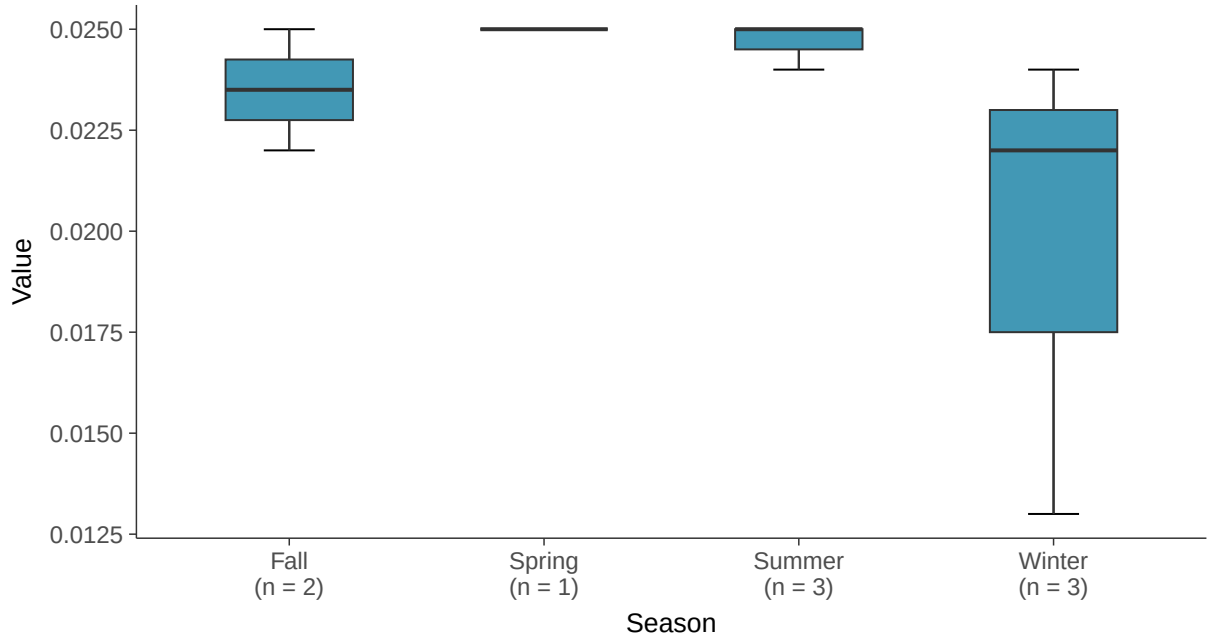
Boxplot

Lithium, MW-19D (mg/l)



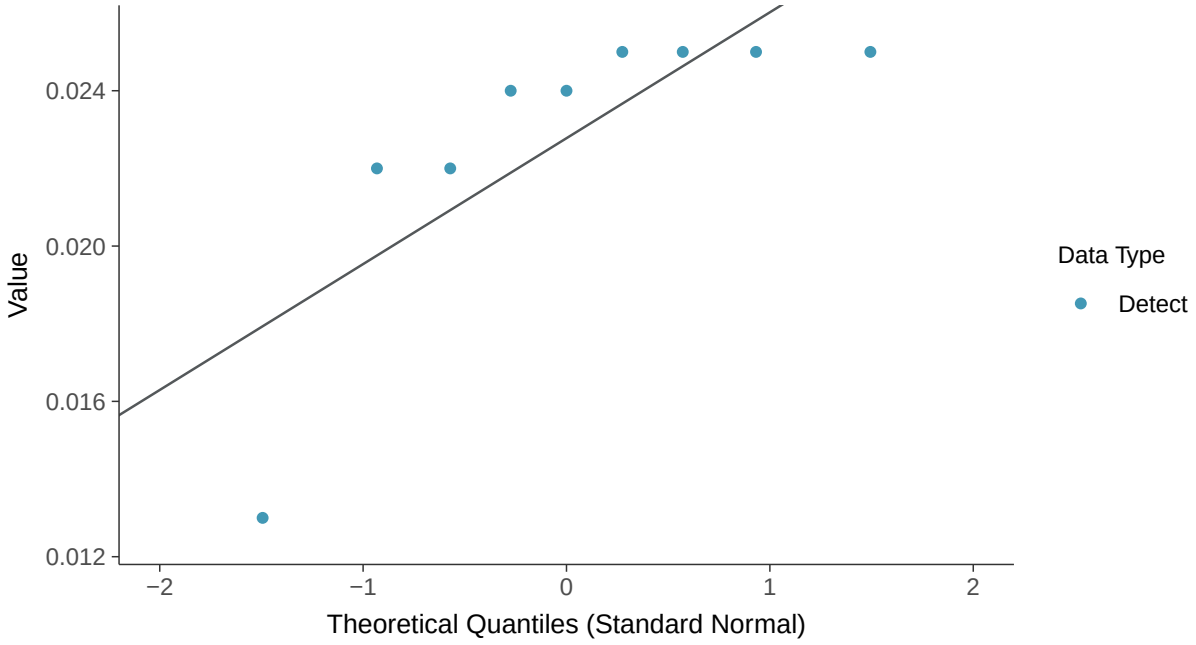
Boxplot by Season

Lithium, MW-19D (mg/l)



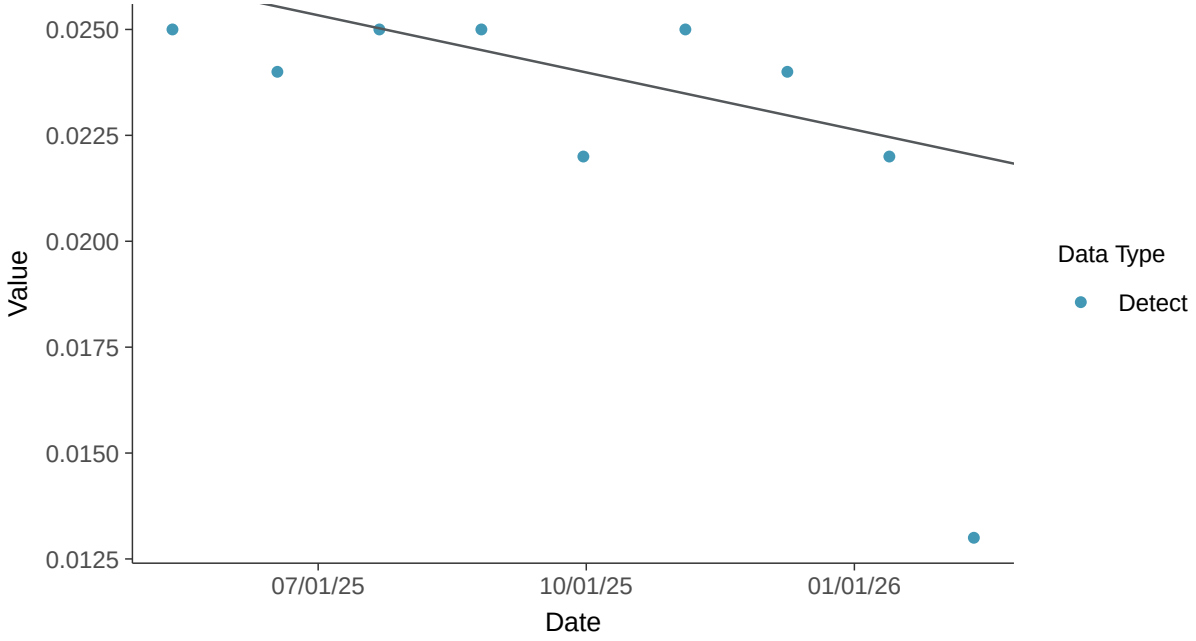
Normal Q-Q plot

Lithium, MW-19D (mg/l)



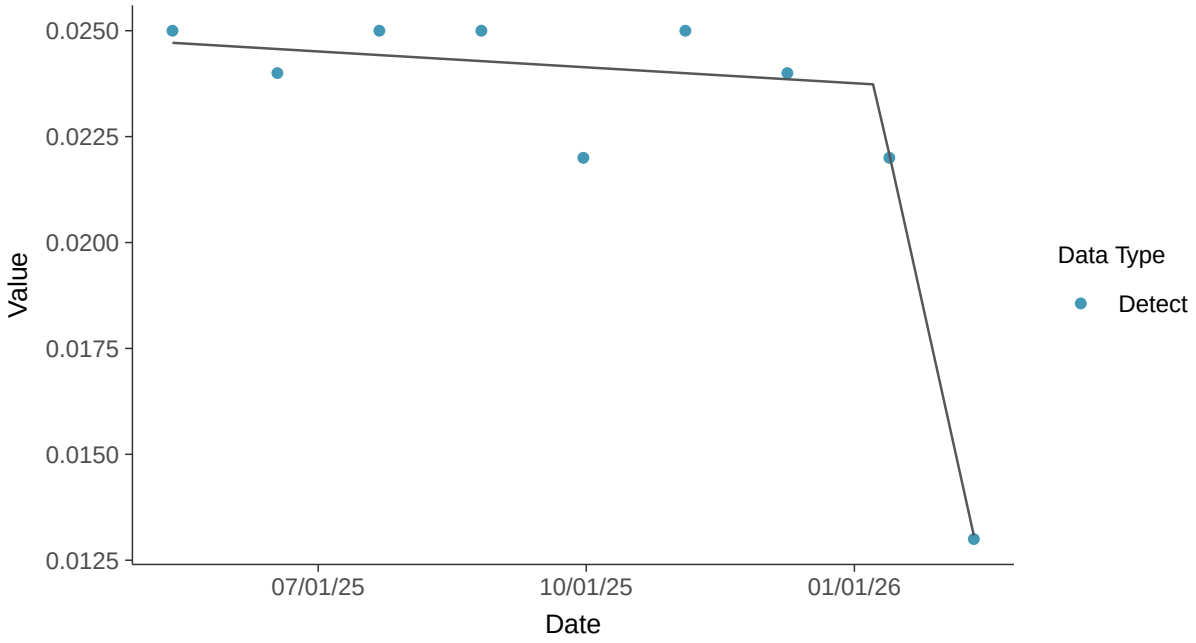
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Lithium, MW-19D (mg/l)



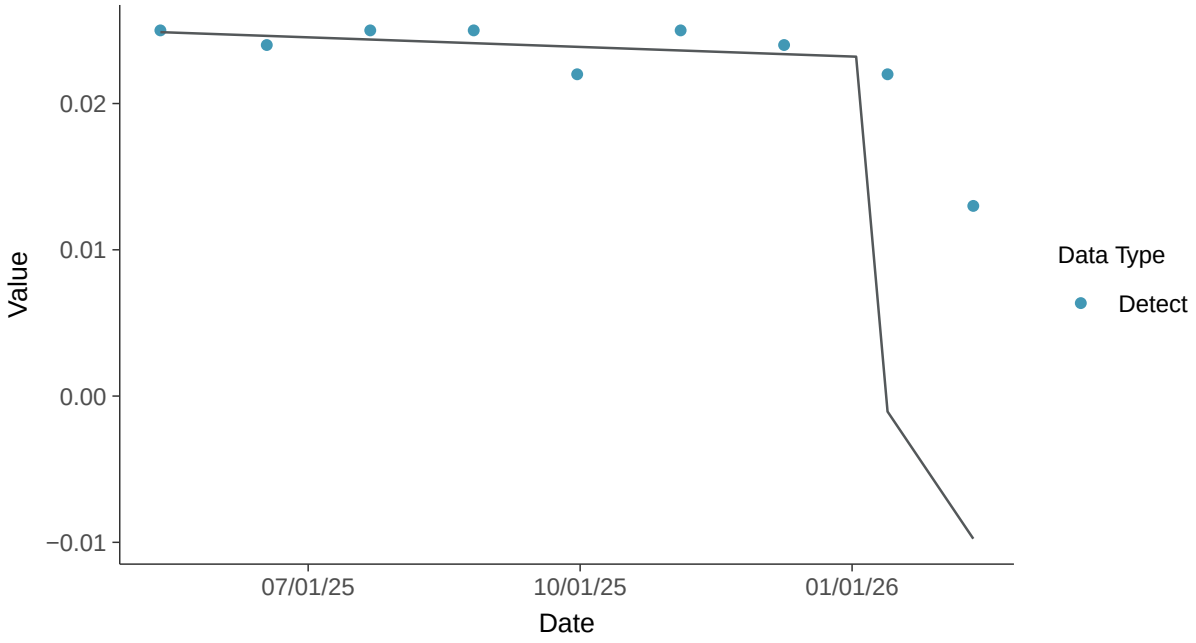
Trend Regression: Piecewise Linear-Linear

Lithium, MW-19D (mg/l)



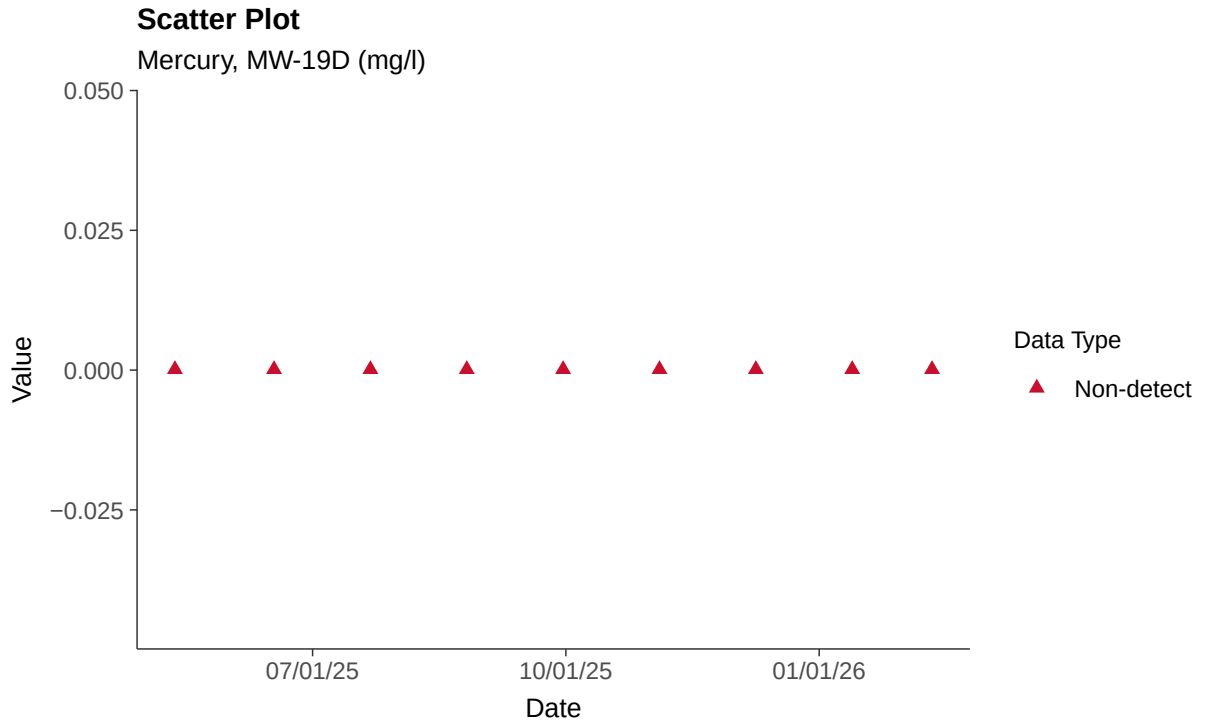
Trend Regression: Piecewise Linear-Linear-Linear

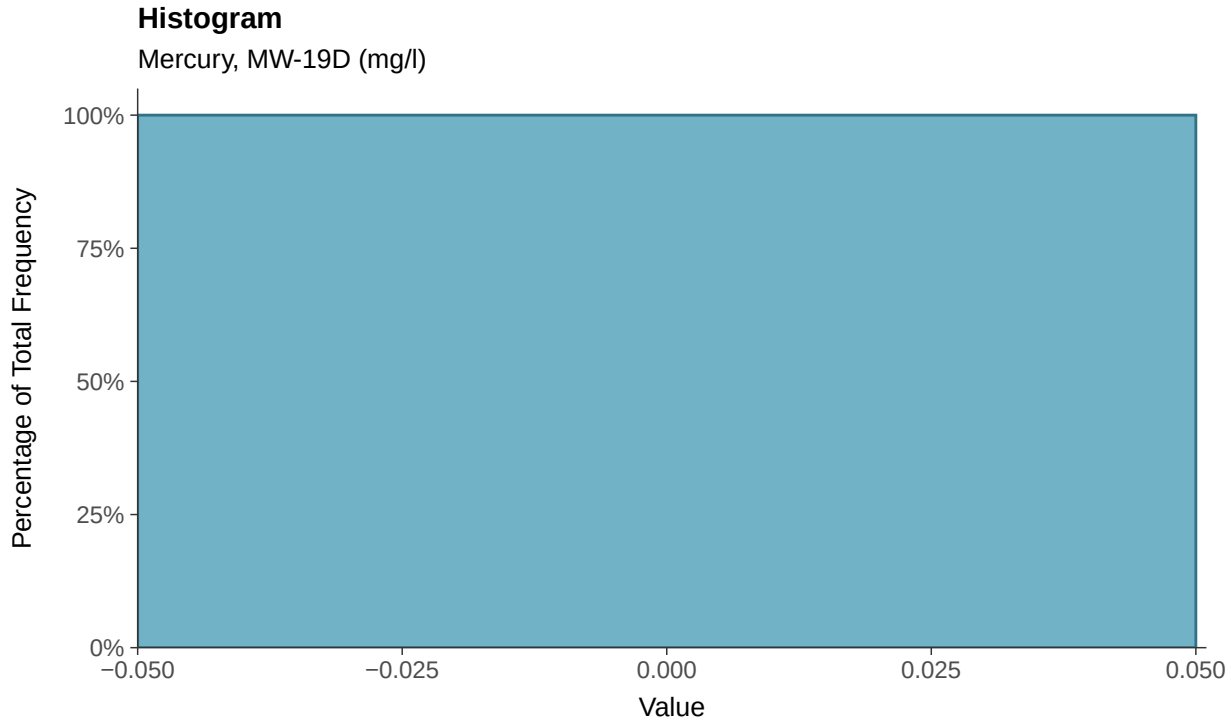
Lithium, MW-19D (mg/l)



Appendix IV: Mercury, MW-19D

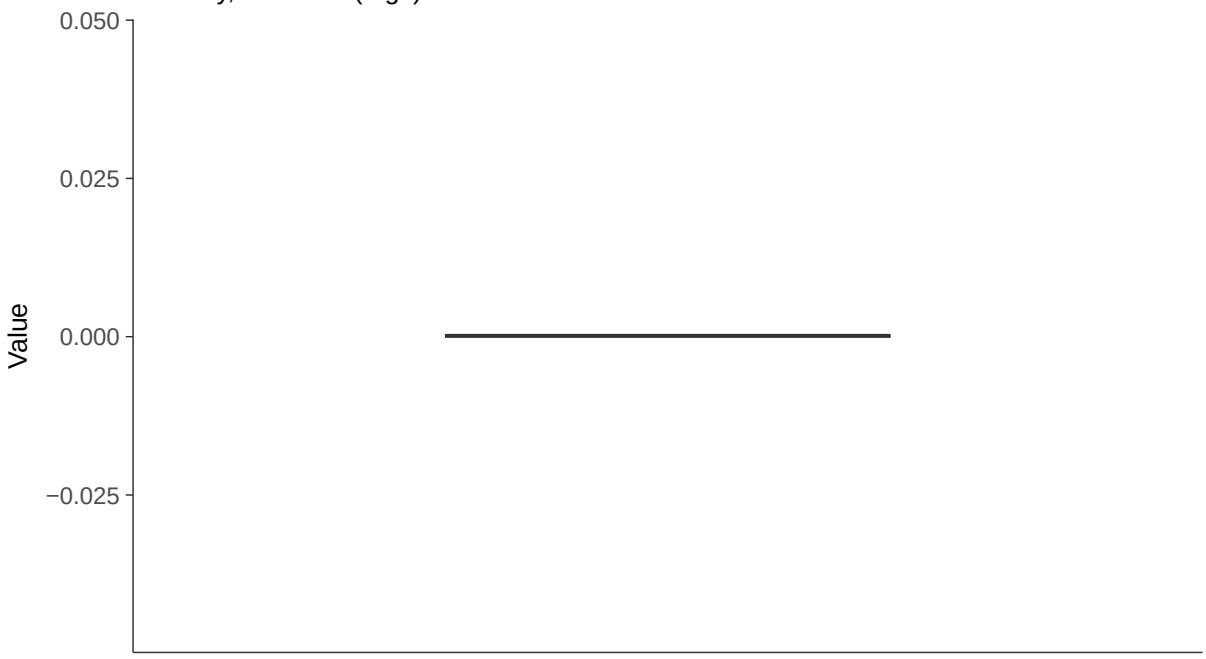
ID: 19_3_117





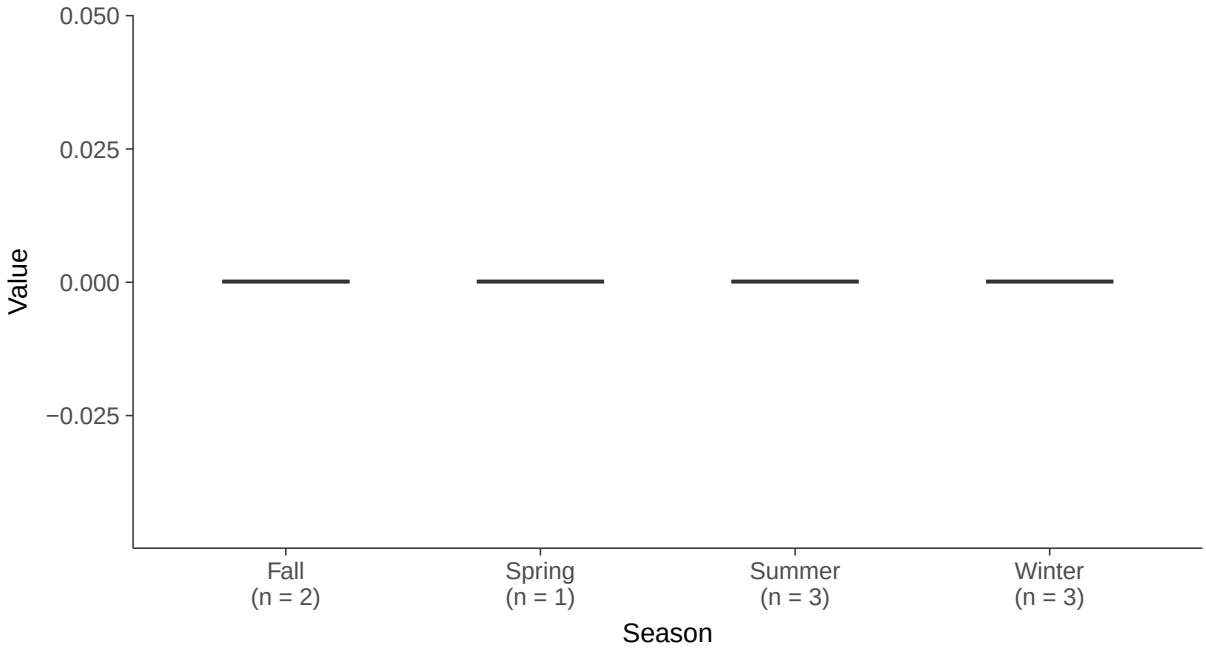
Boxplot

Mercury, MW-19D (mg/l)



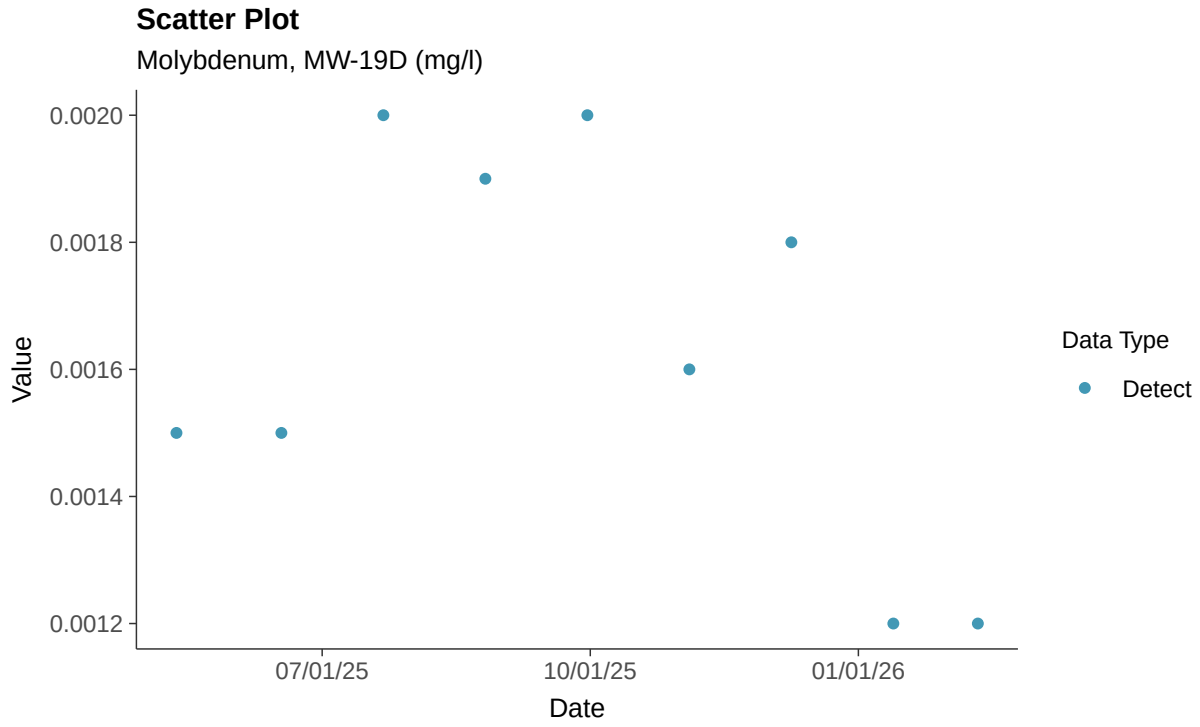
Boxplot by Season

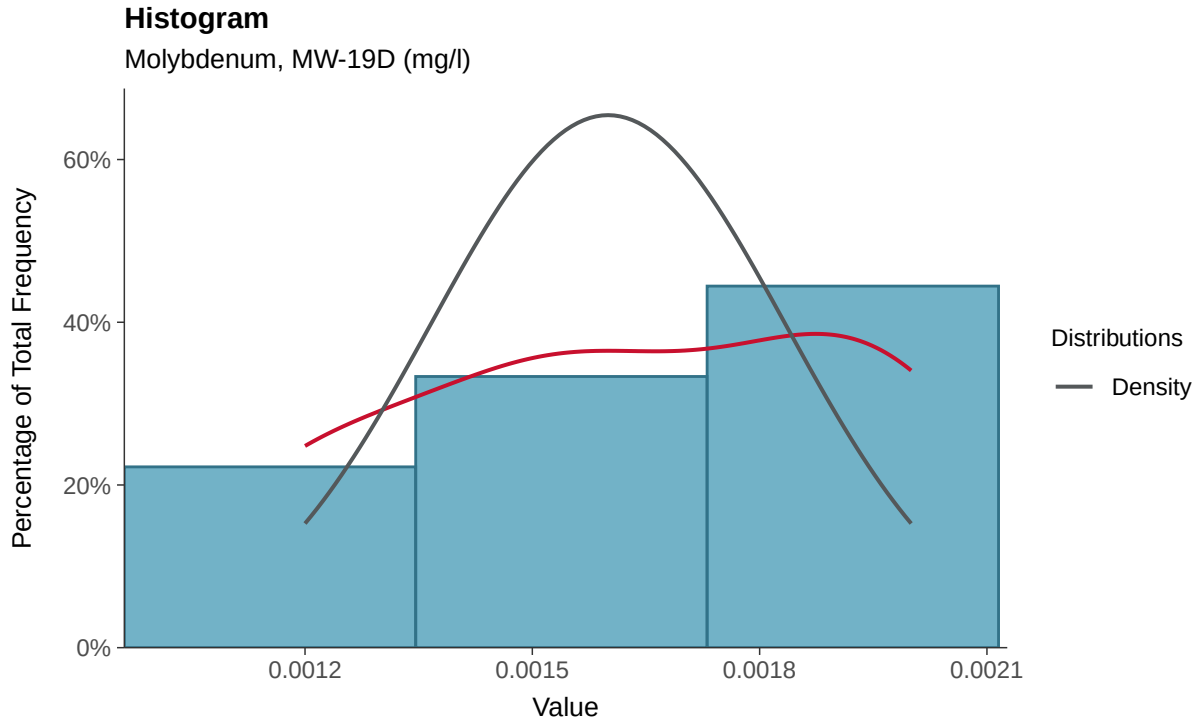
Mercury, MW-19D (mg/l)



Appendix IV: Molybdenum, MW-19D

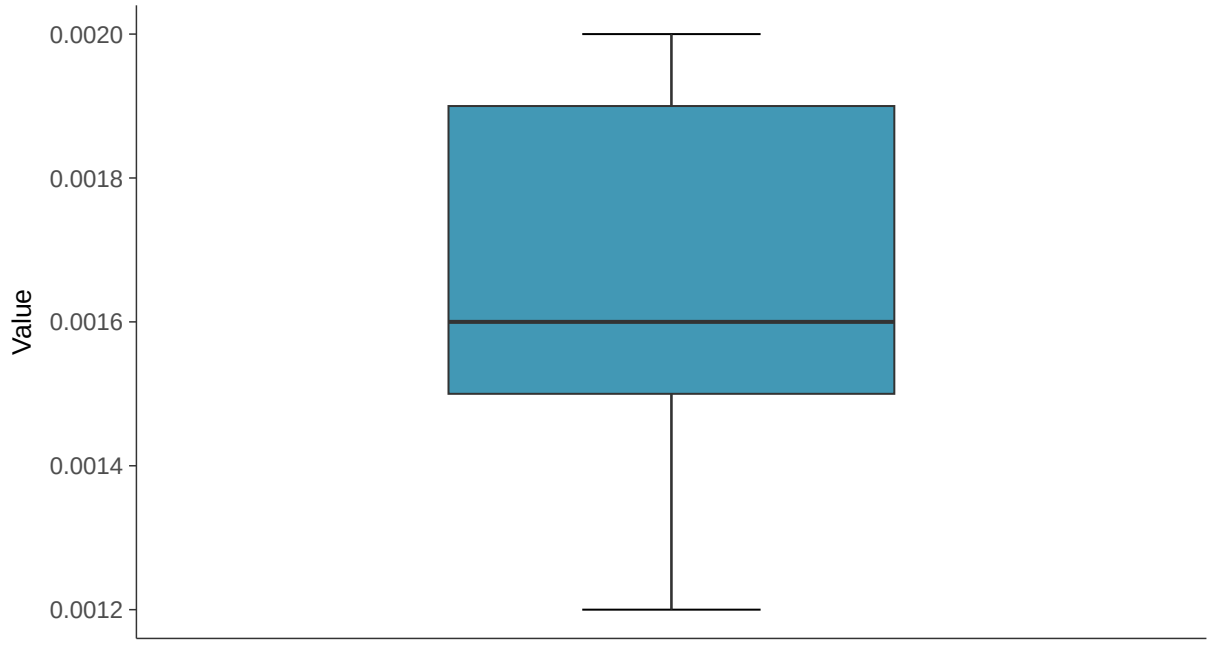
ID: 19_3_118





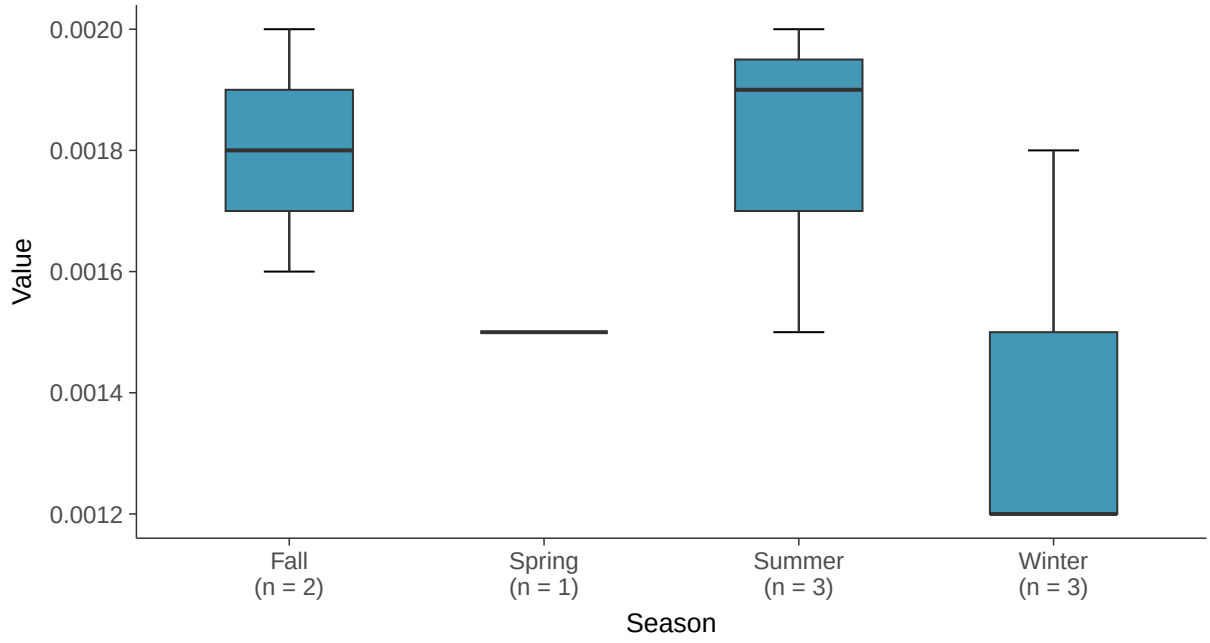
Boxplot

Molybdenum, MW-19D (mg/l)



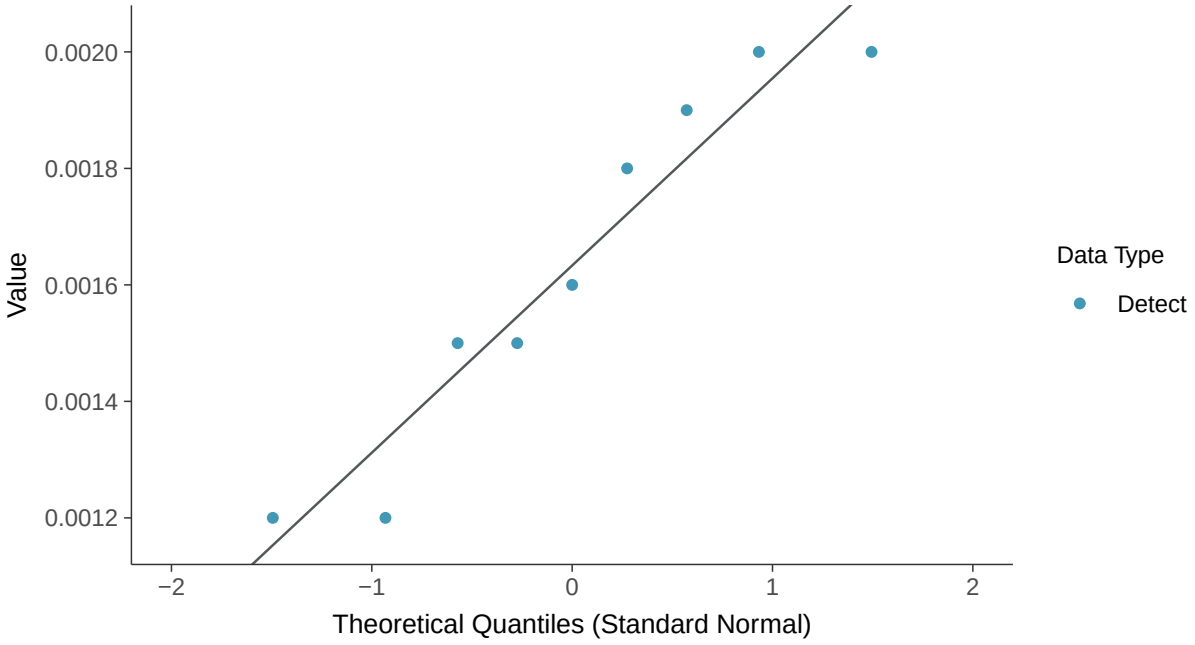
Boxplot by Season

Molybdenum, MW-19D (mg/l)



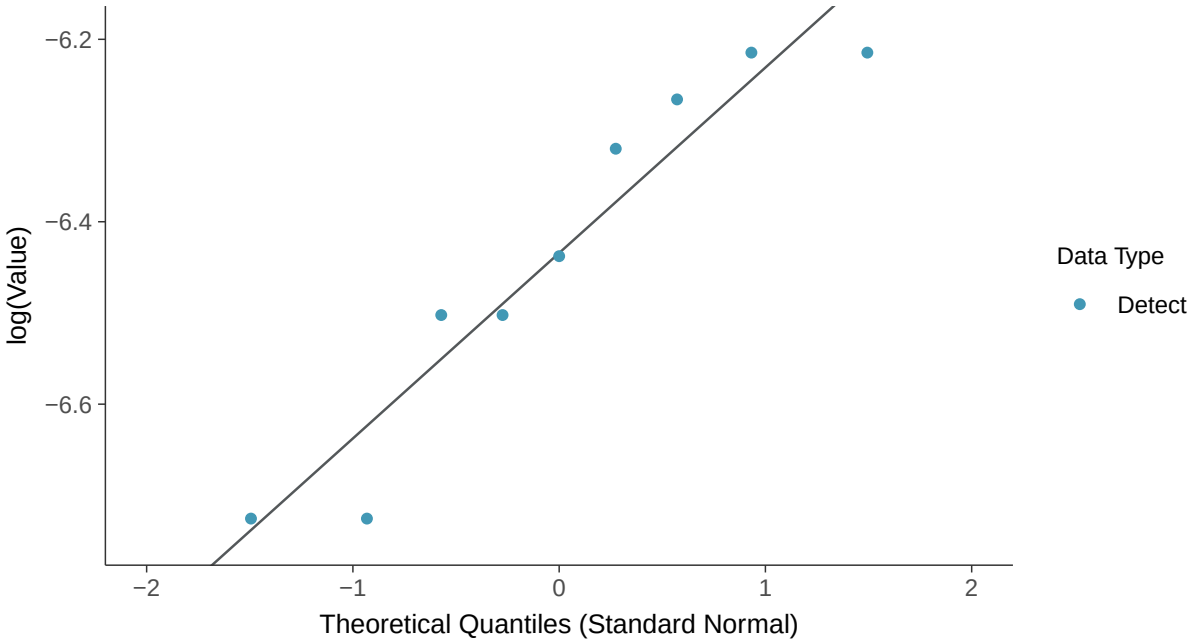
Normal Q-Q plot

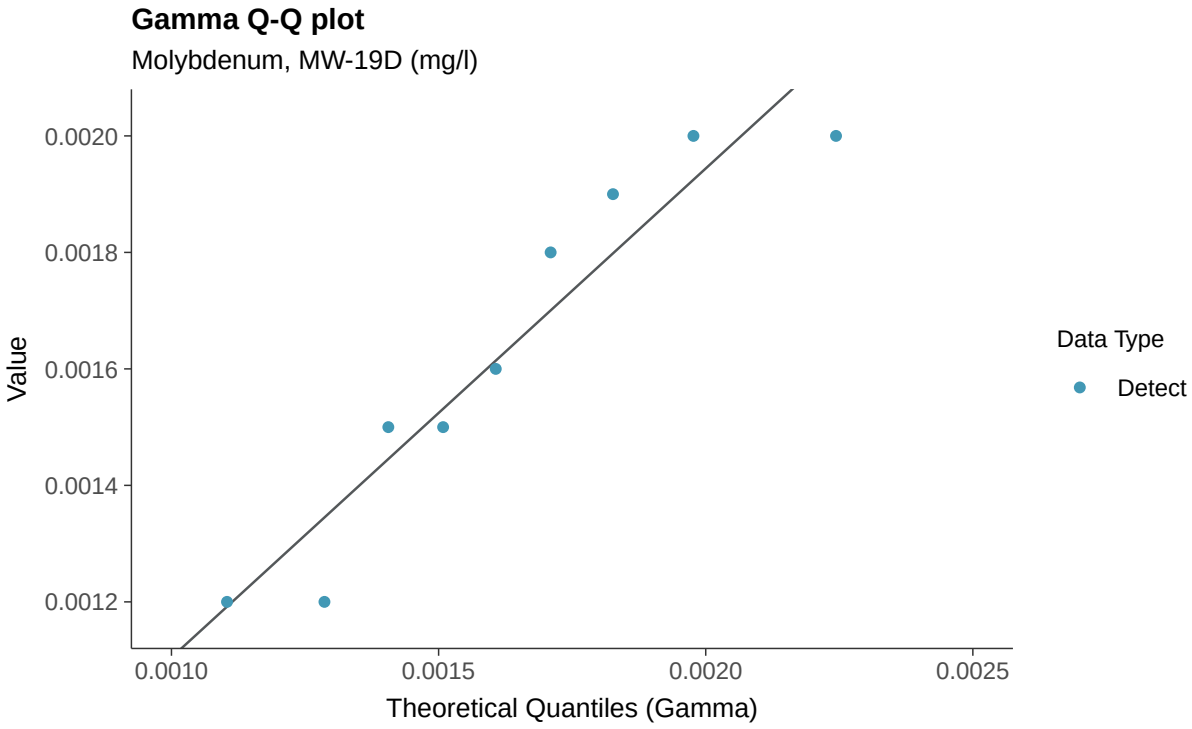
Molybdenum, MW-19D (mg/l)

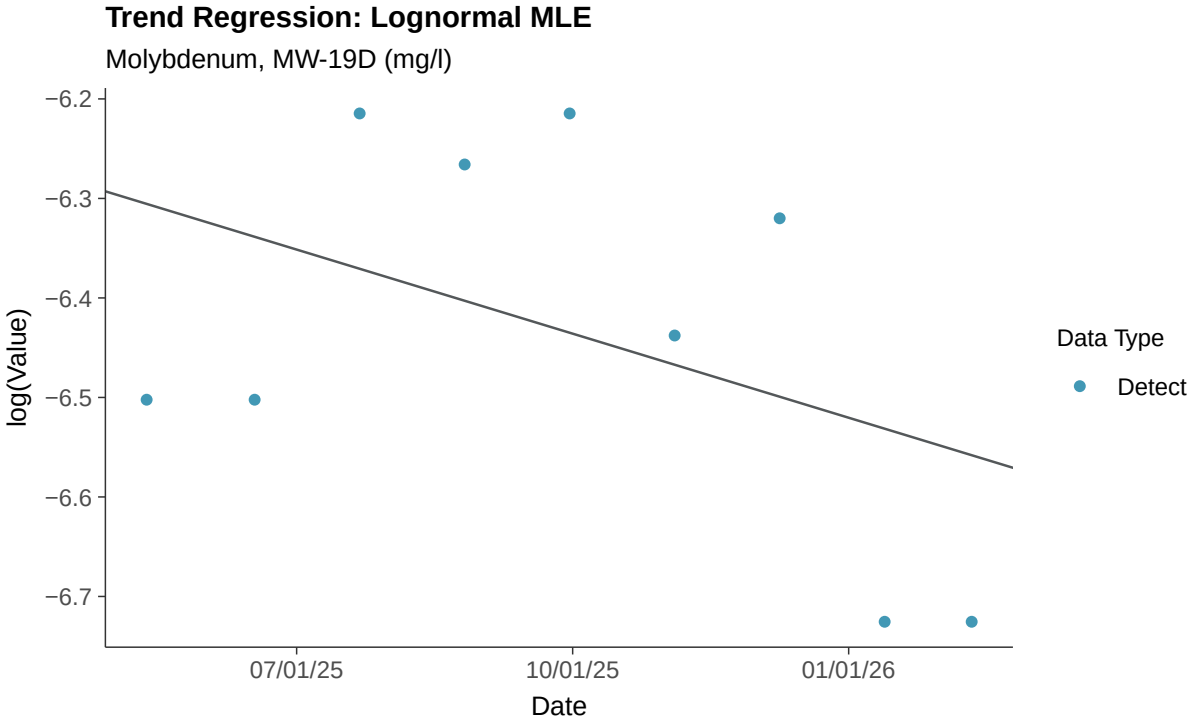


Lognormal Q-Q plot

Molybdenum, MW-19D (mg/l)

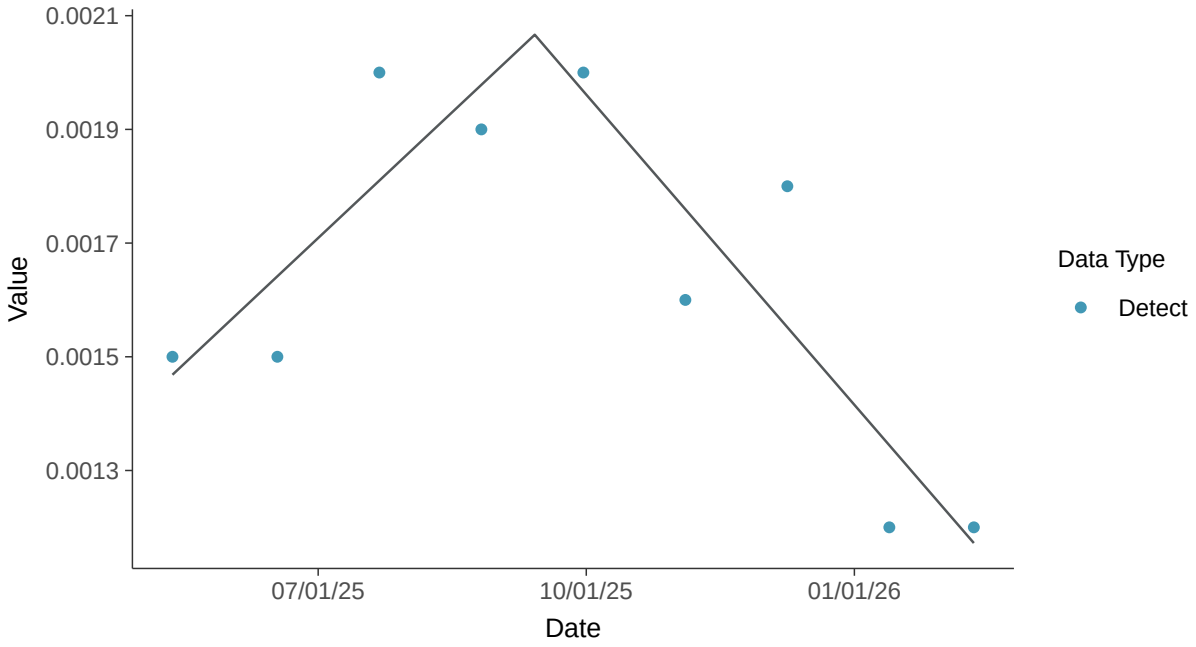



Gamma Q-Q plot
Molybdenum, MW-19D (mg/l)
Value
0.0020
0.0018
0.0016
0.0014
0.0012
0.0010
0.0015
0.0020
0.0025
Theoretical Quantiles (Gamma)
Data Type
Detect


Trend Regression: Lognormal MLE
Molybdenum, MW-19D (mg/l)
log(Value)
−6.2
−6.3
−6.4
−6.5
−6.6
−6.7
07/01/25
10/01/25
01/01/26
Date
Data Type
Detect

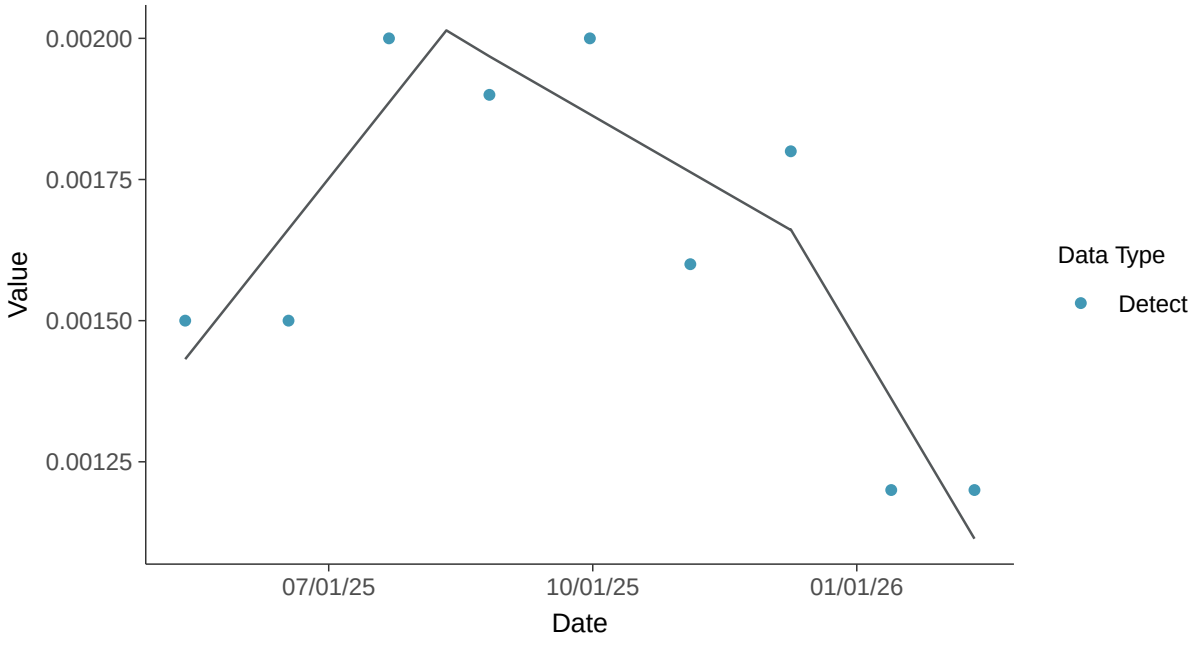
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-19D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-19D (mg/l)

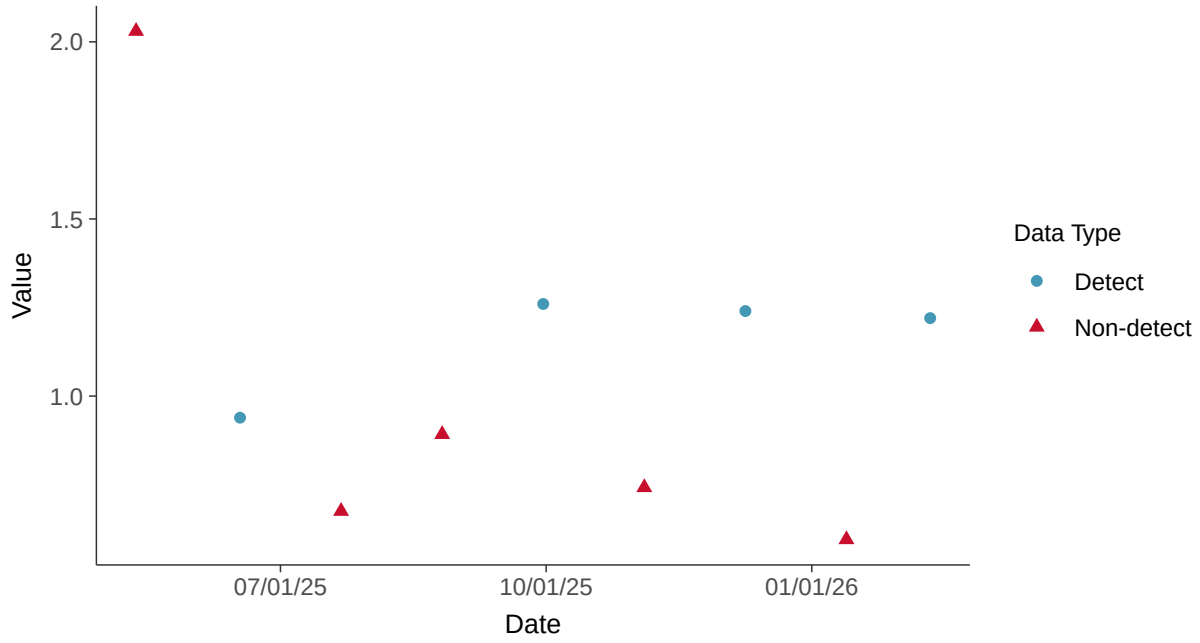


Appendix IV: Radium-226+228, MW-19D

ID: 19_3_121

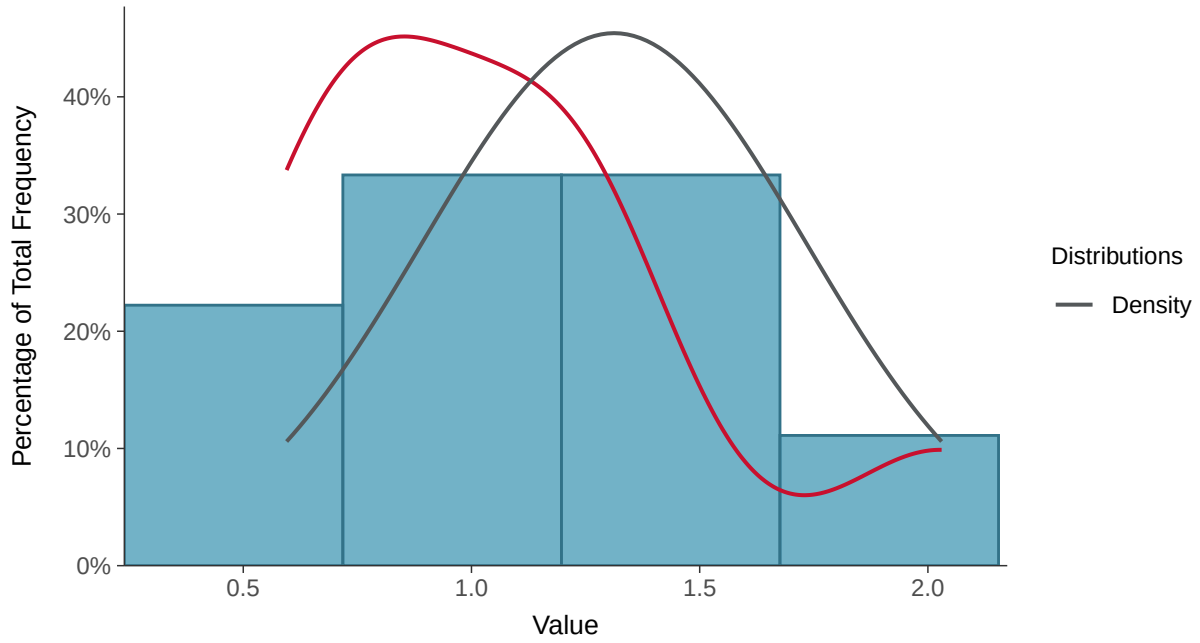
Scatter Plot

Radium-226+228, MW-19D (pci/l)



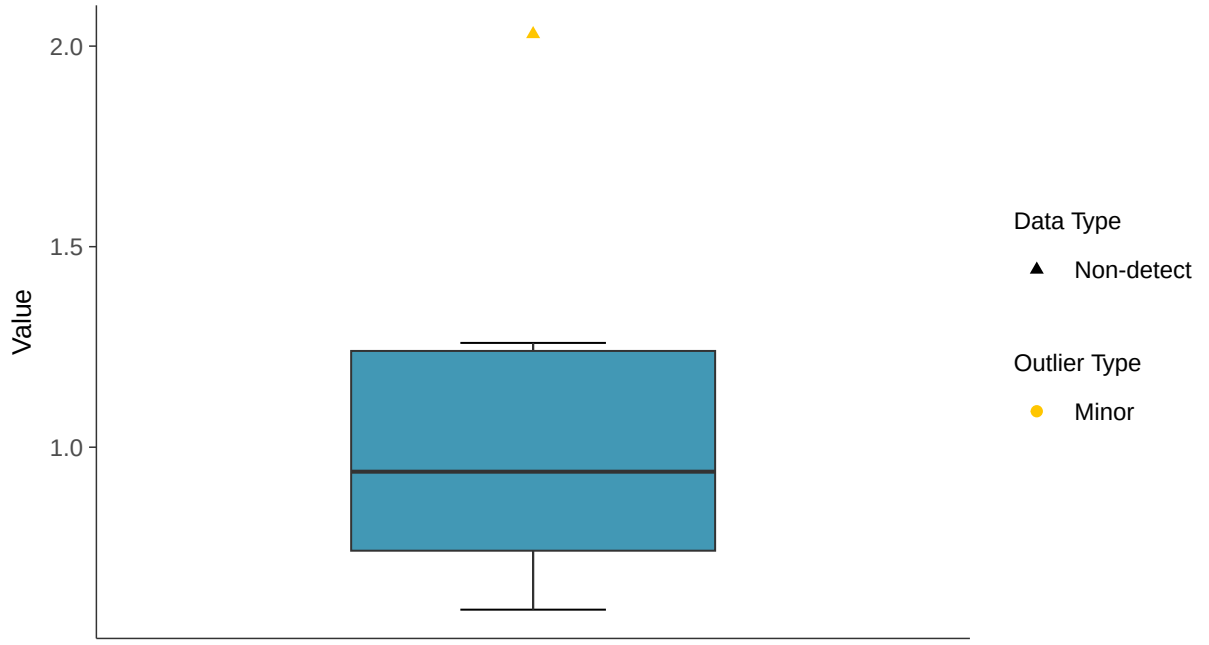
Histogram

Radium-226+228, MW-19D (pci/l)



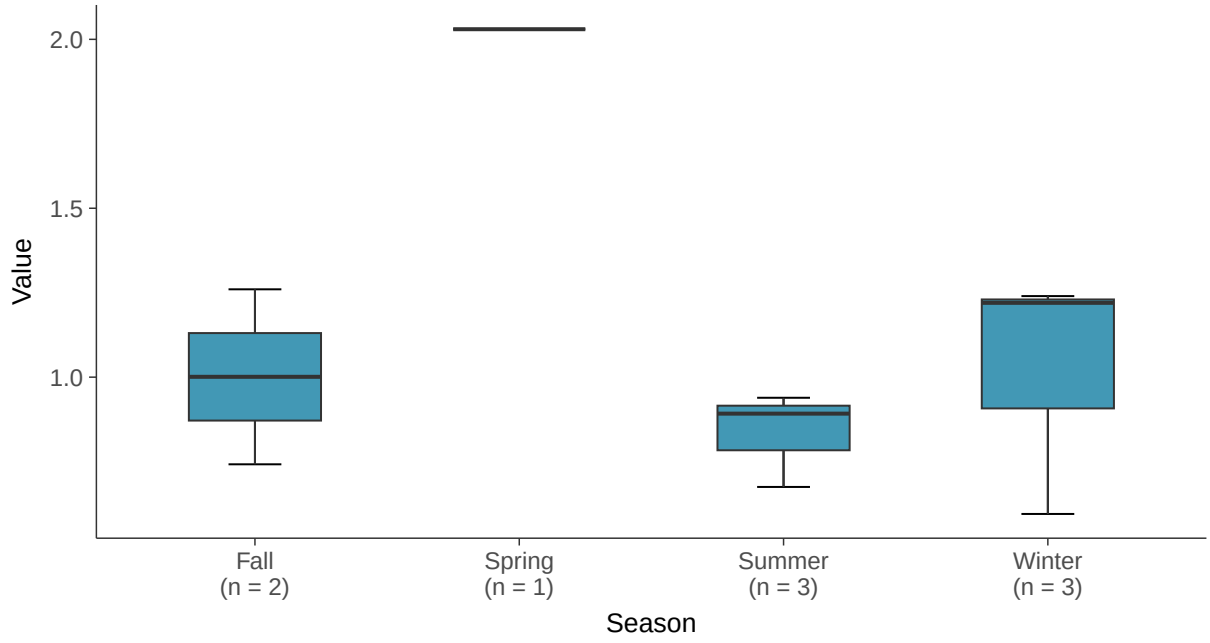
Boxplot

Radium-226+228, MW-19D (pci/l)



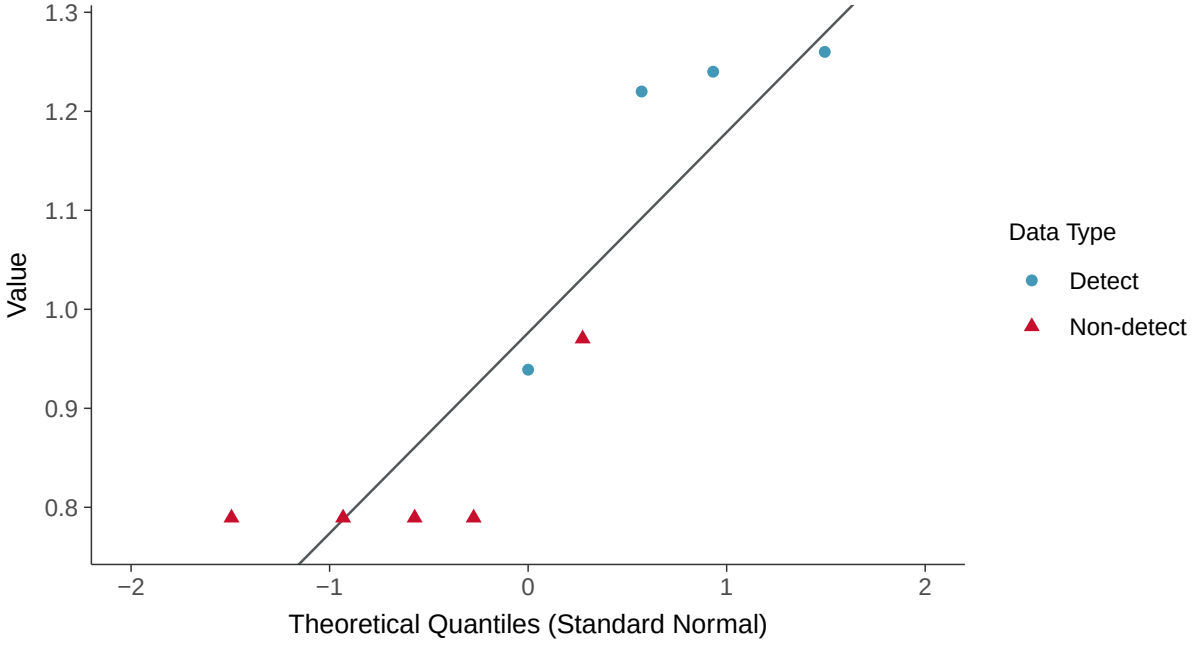
Boxplot by Season

Radium-226+228, MW-19D (pci/l)



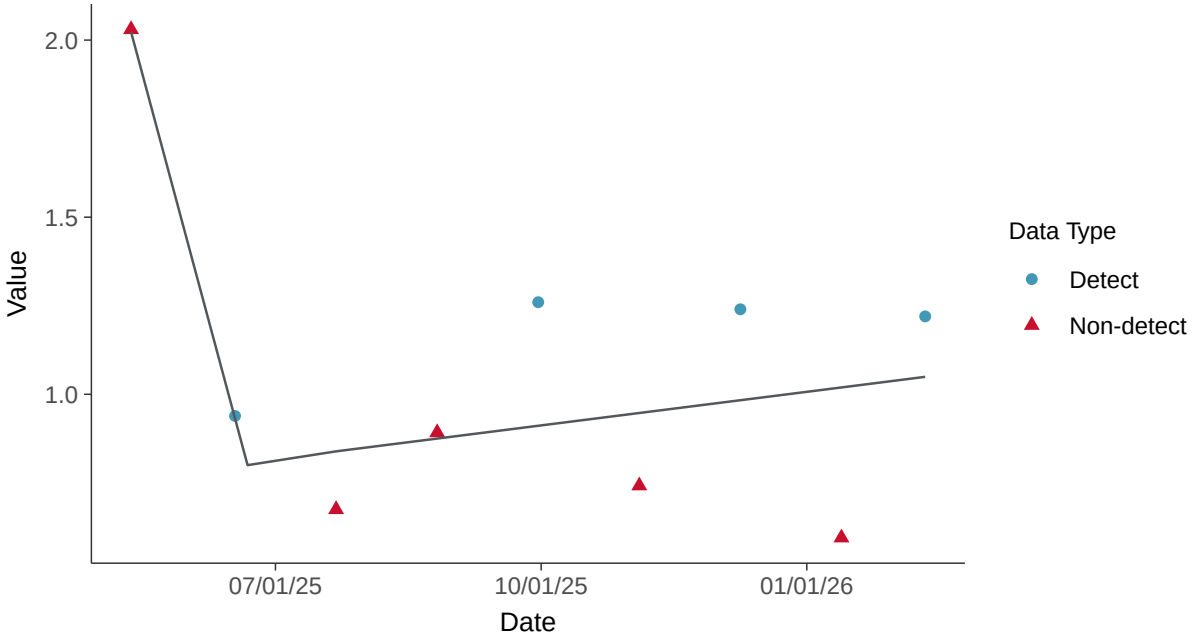
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-19D (pci/l)



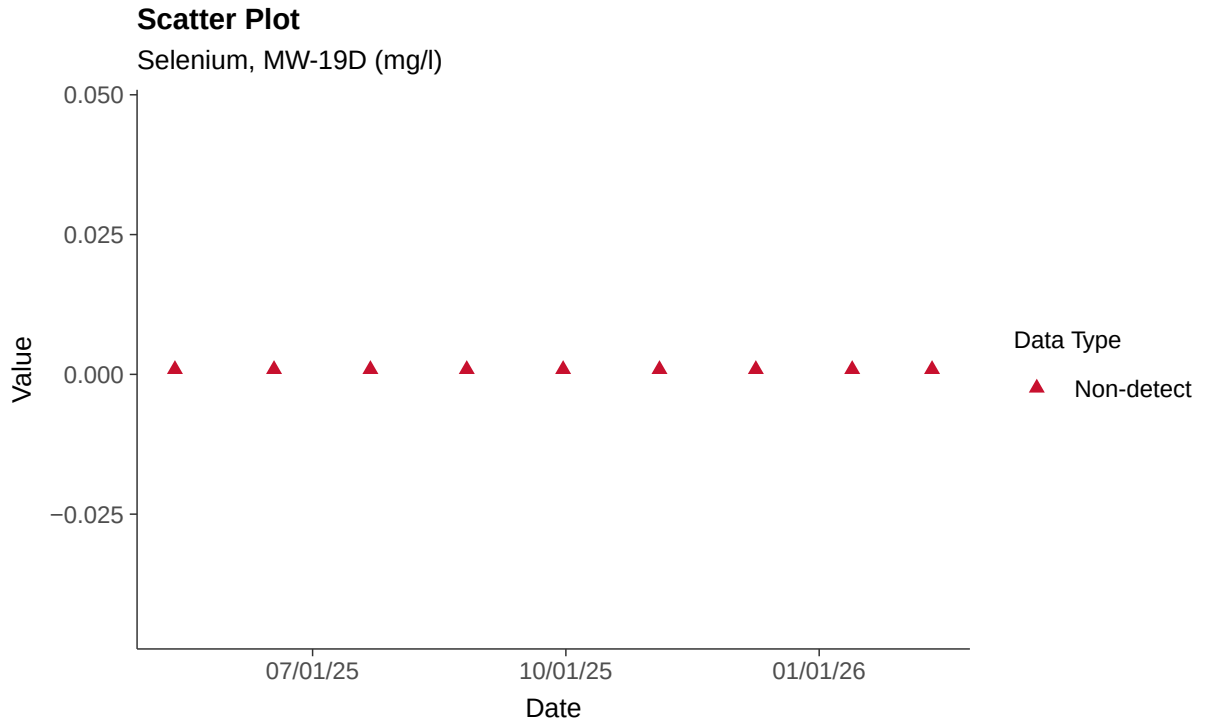
Trend Regression: Piecewise Linear-Linear

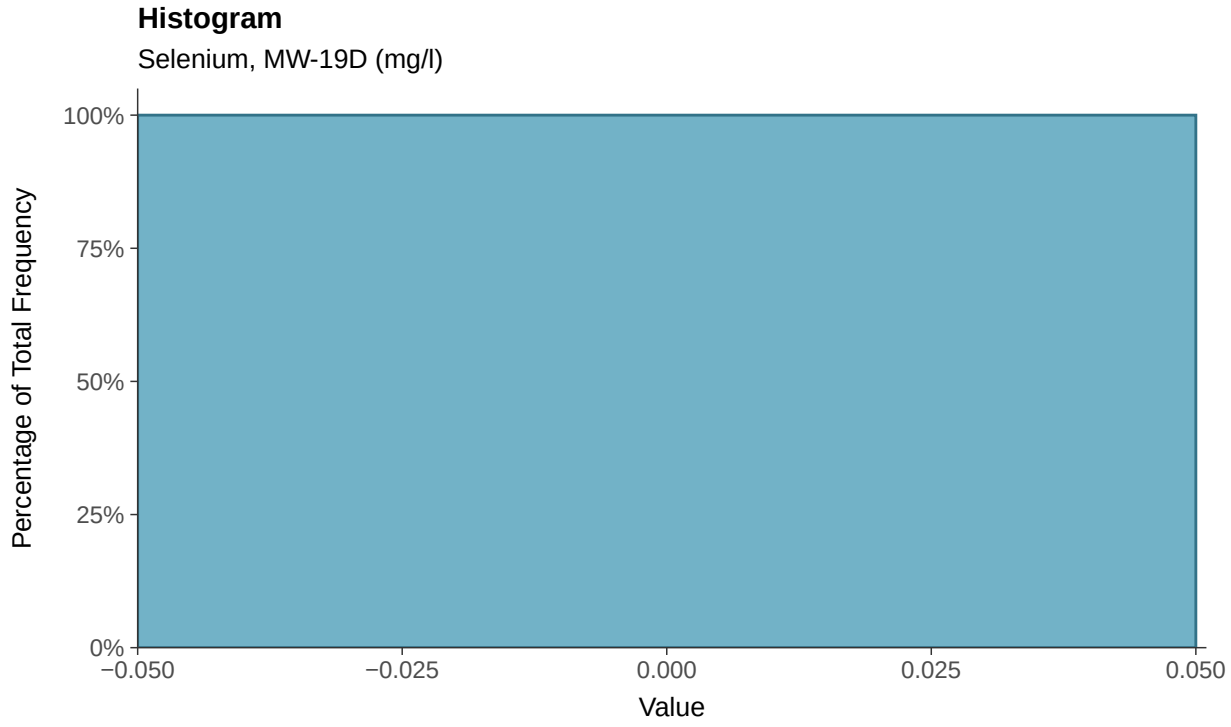
Radium-226+228, MW-19D (pci/l)



Appendix IV: Selenium, MW-19D

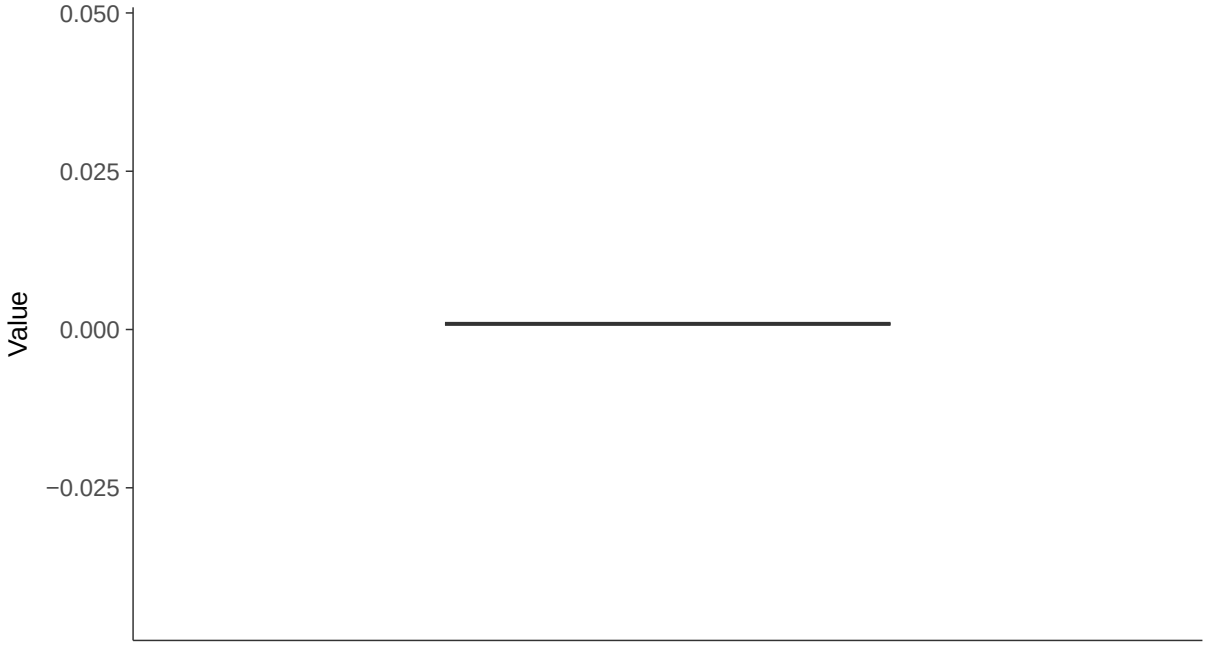
ID: 19_3_122





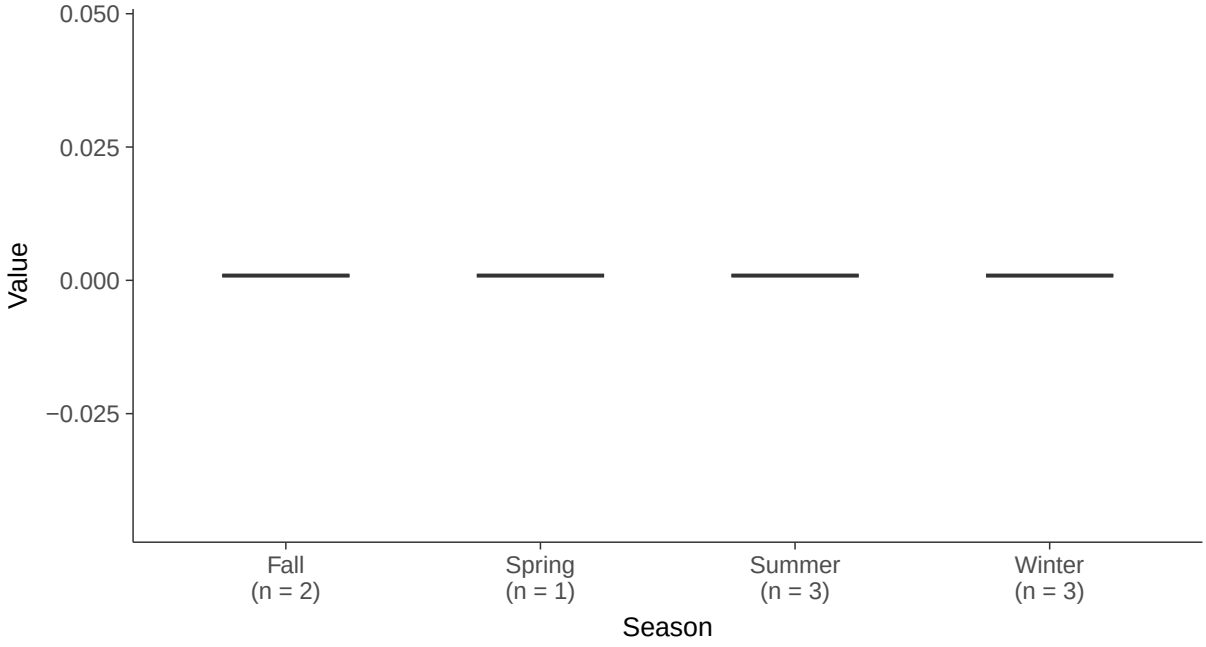
Boxplot

Selenium, MW-19D (mg/l)



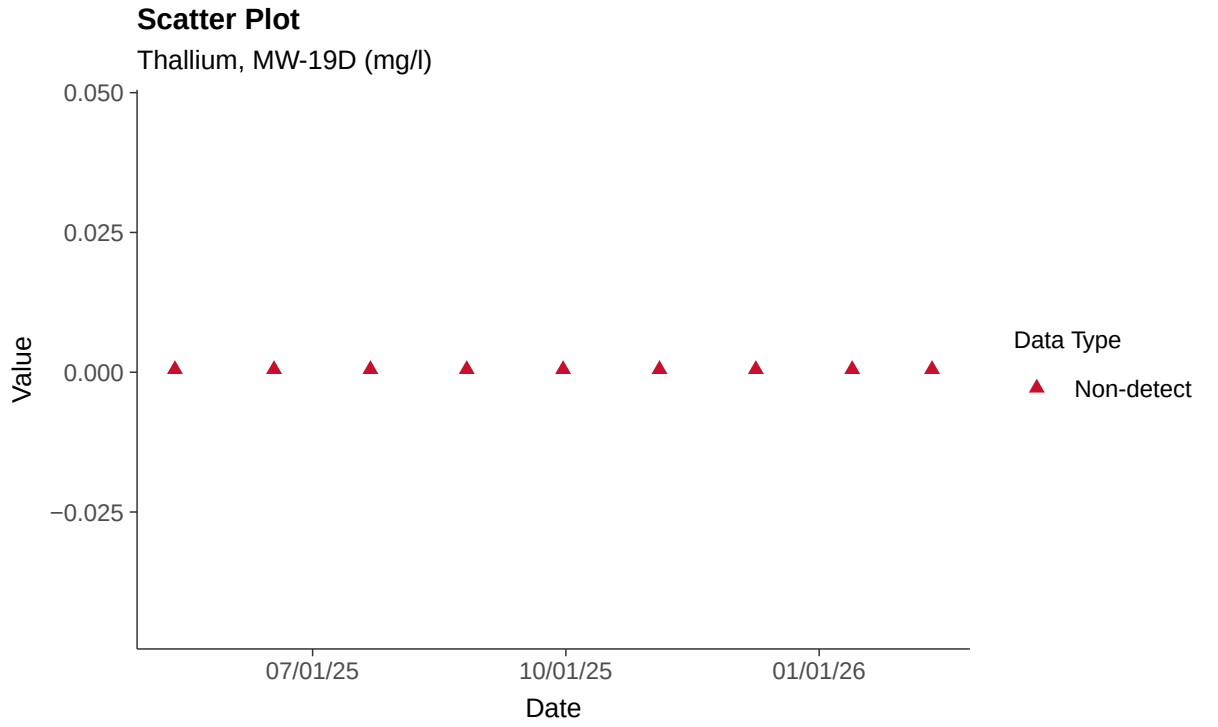
Boxplot by Season

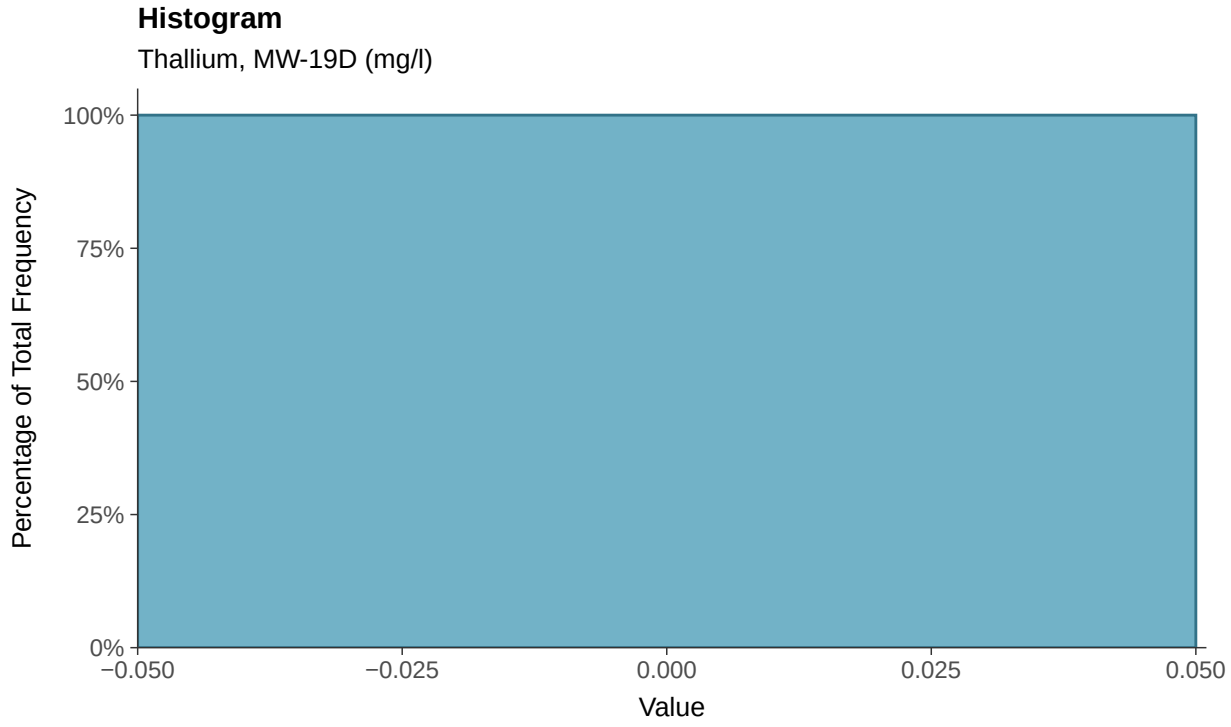
Selenium, MW-19D (mg/l)



Appendix IV: Thallium, MW-19D

ID: 19_3_125



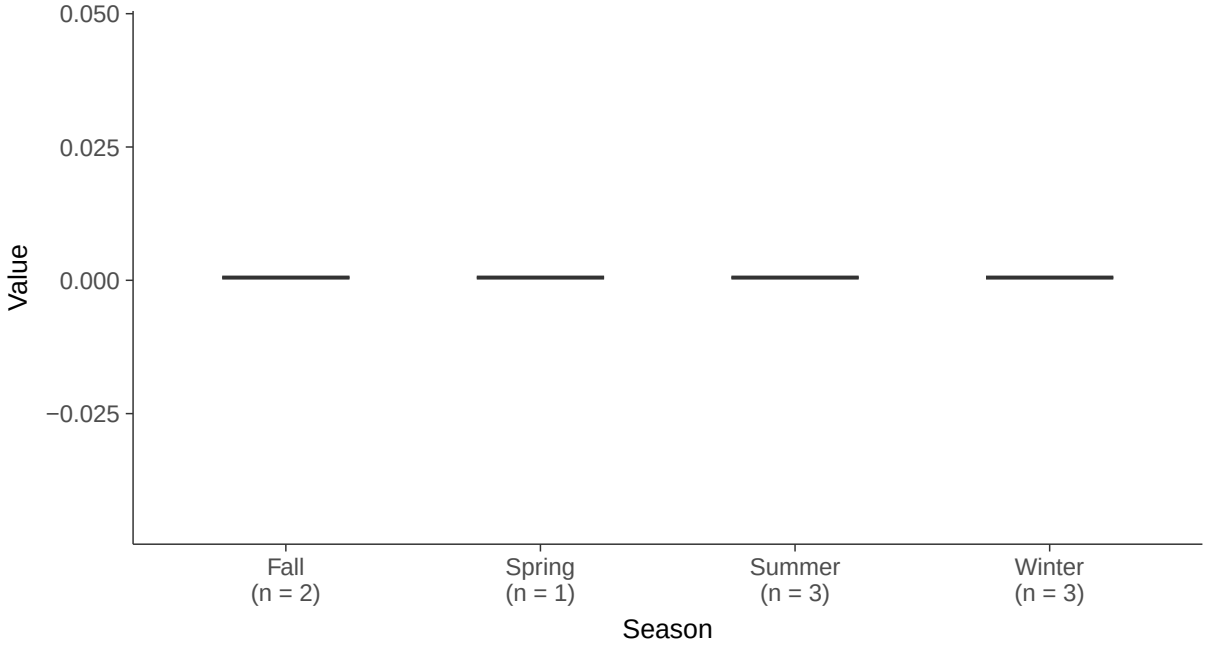


Boxplot

Thallium, MW-19D (mg/l)

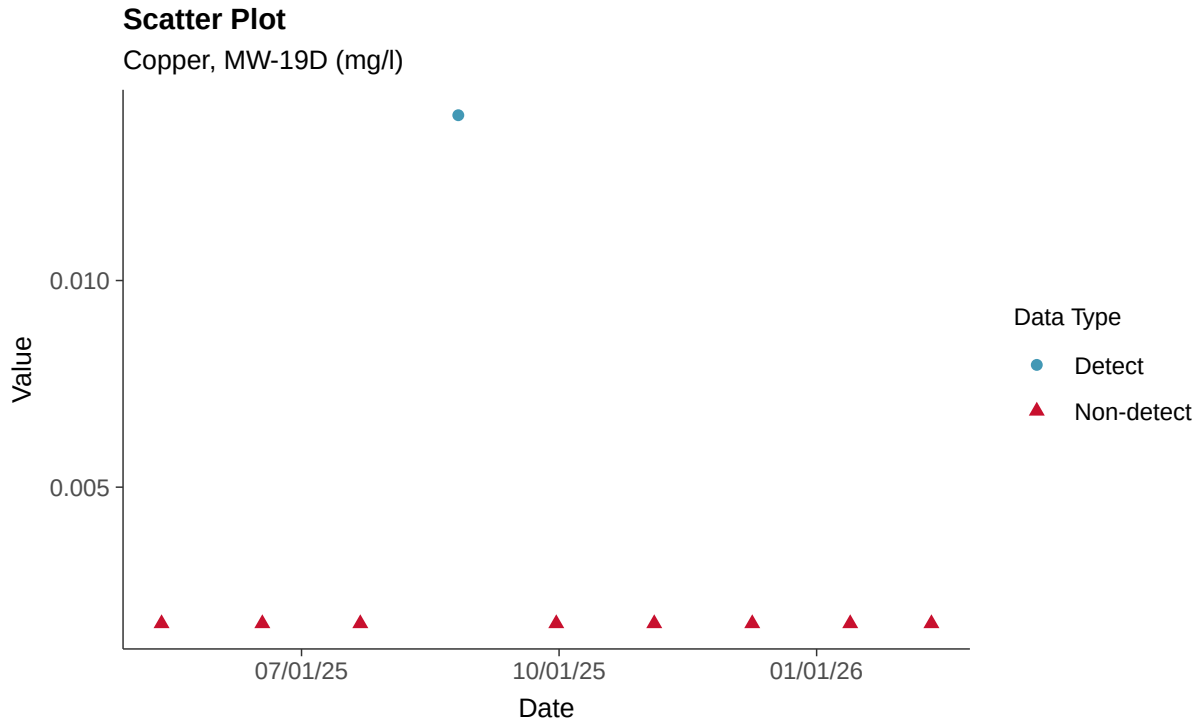
Boxplot by Season

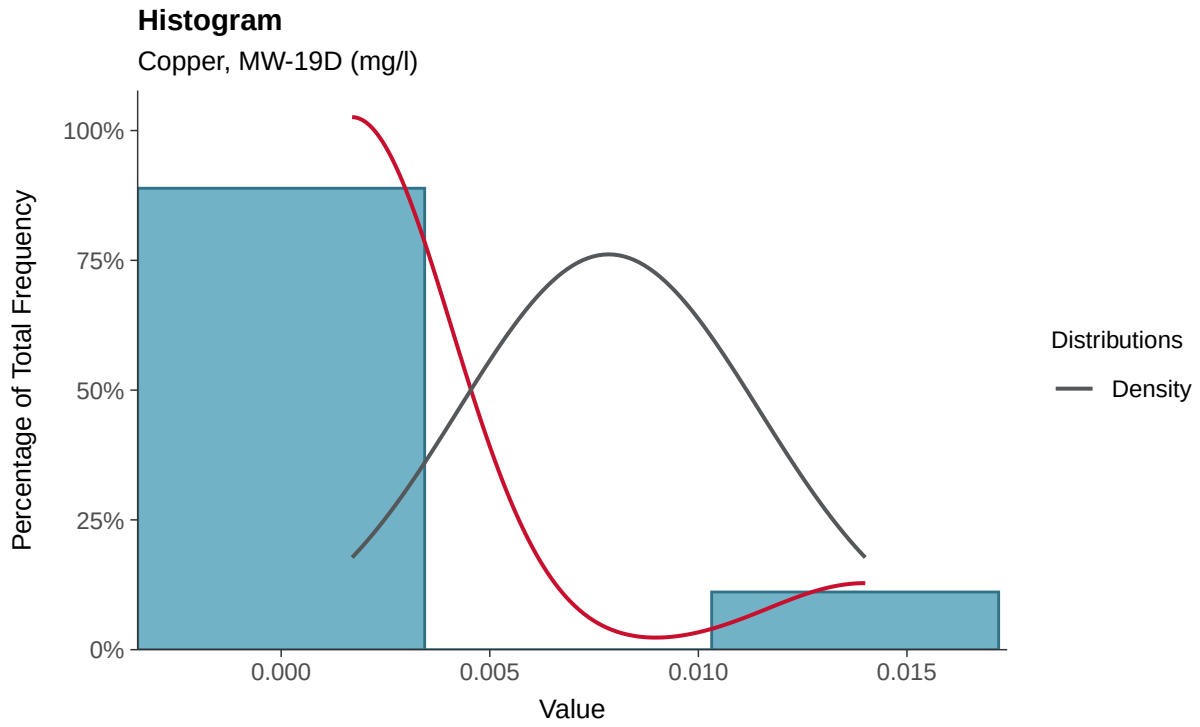
Thallium, MW-19D (mg/l)



Part 115: Copper, MW-19D

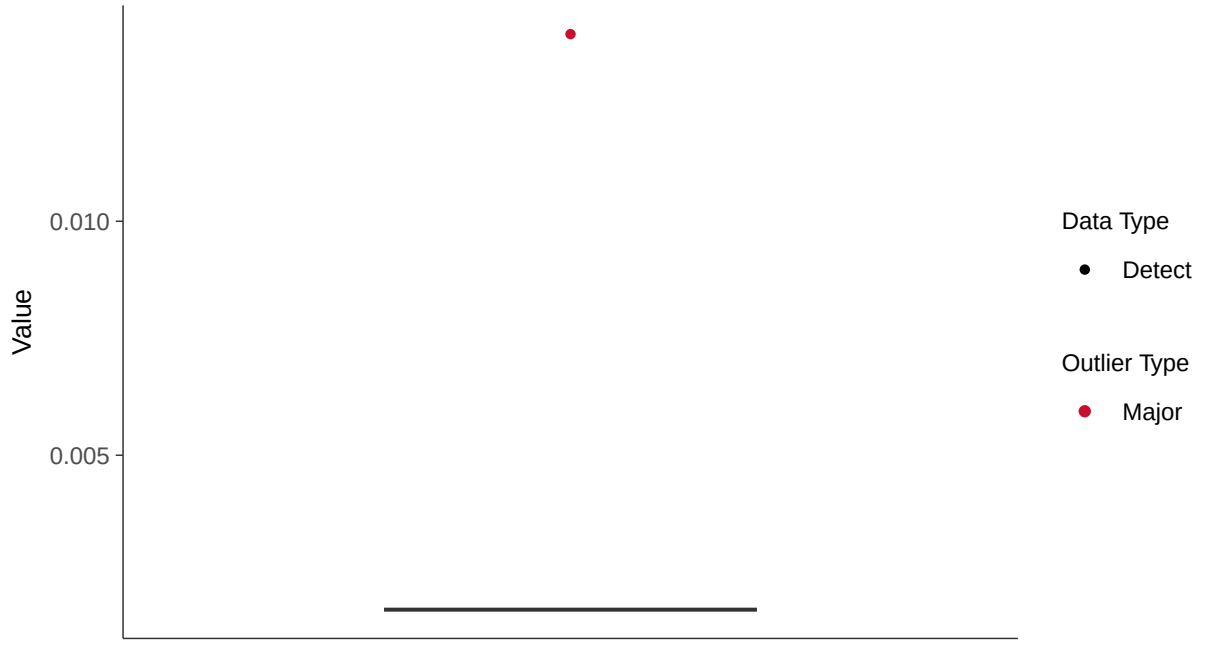
ID: 19_5_111





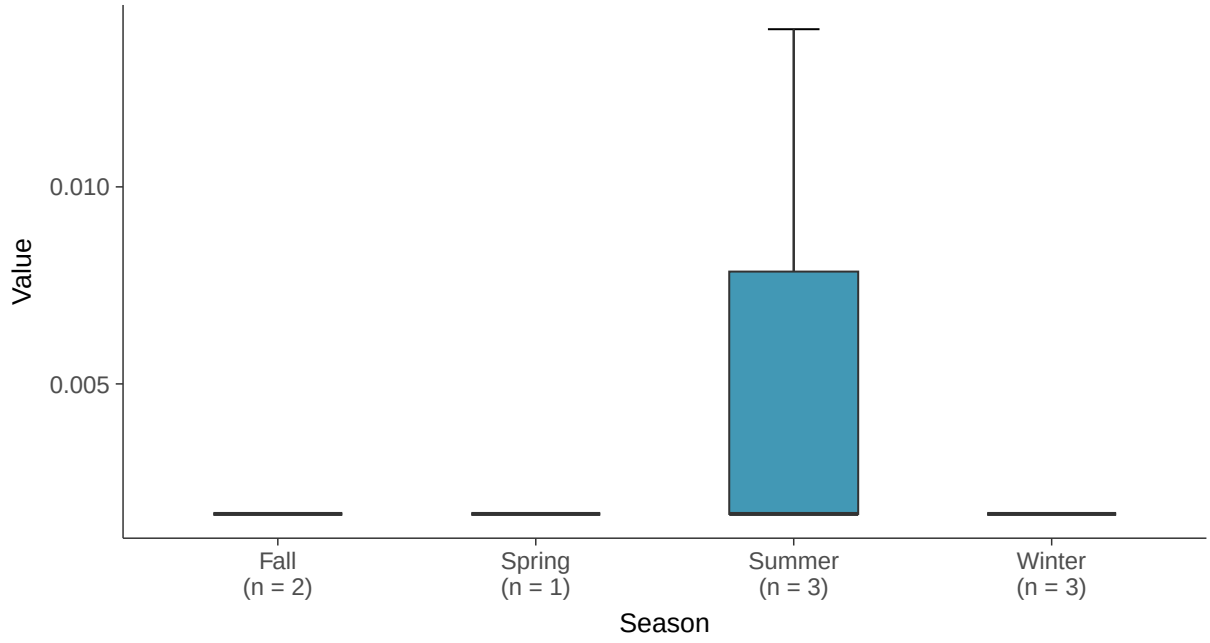
Boxplot

Copper, MW-19D (mg/l)



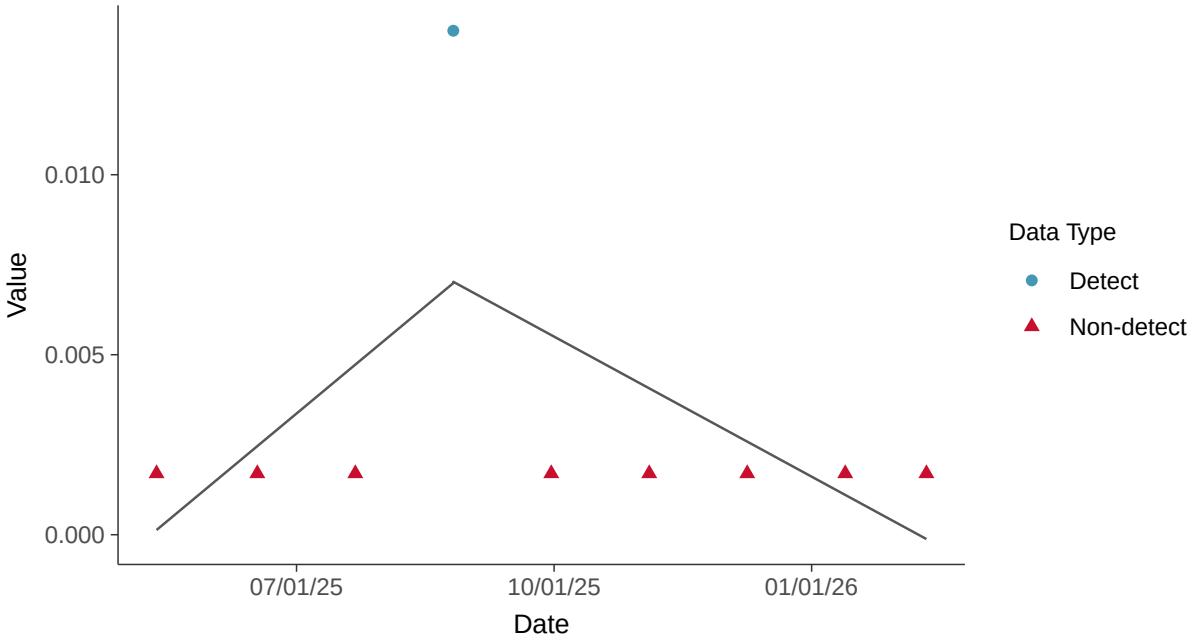
Boxplot by Season

Copper, MW-19D (mg/l)



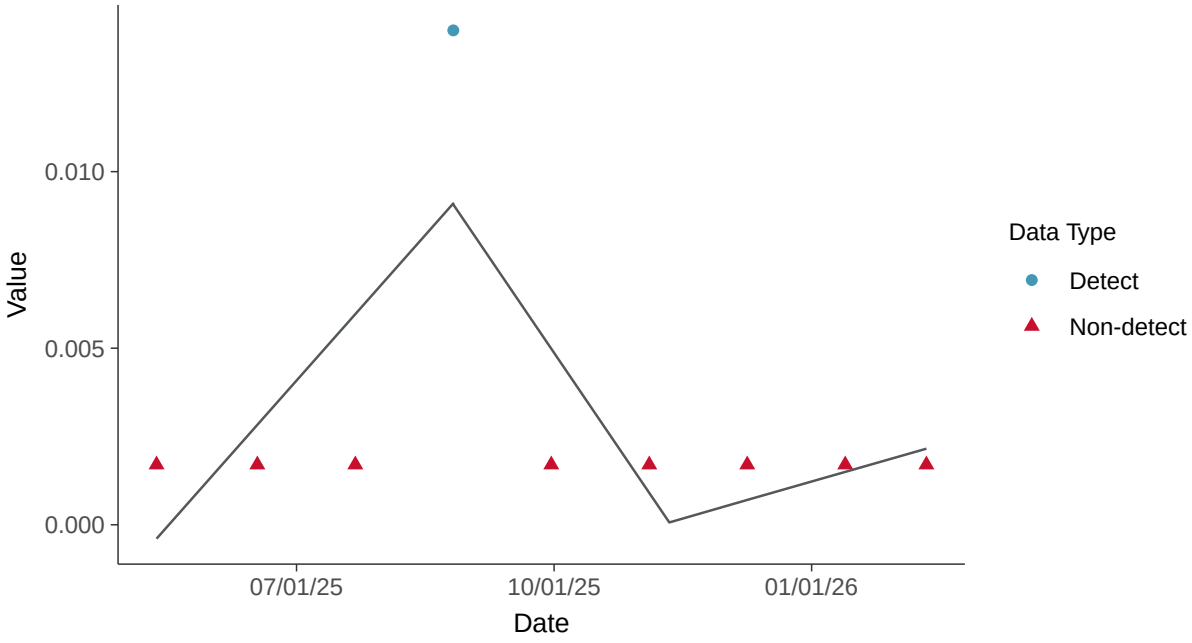
Trend Regression: Piecewise Linear-Linear

Copper, MW-19D (mg/l)



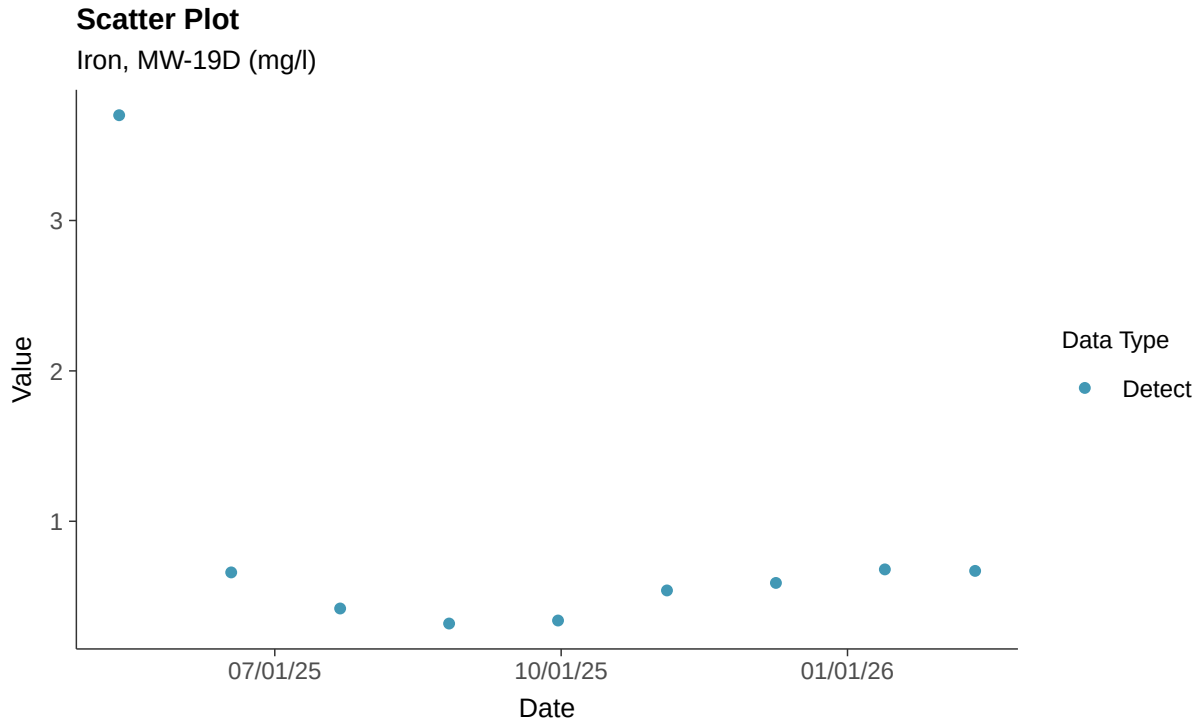
Trend Regression: Piecewise Linear-Linear-Linear

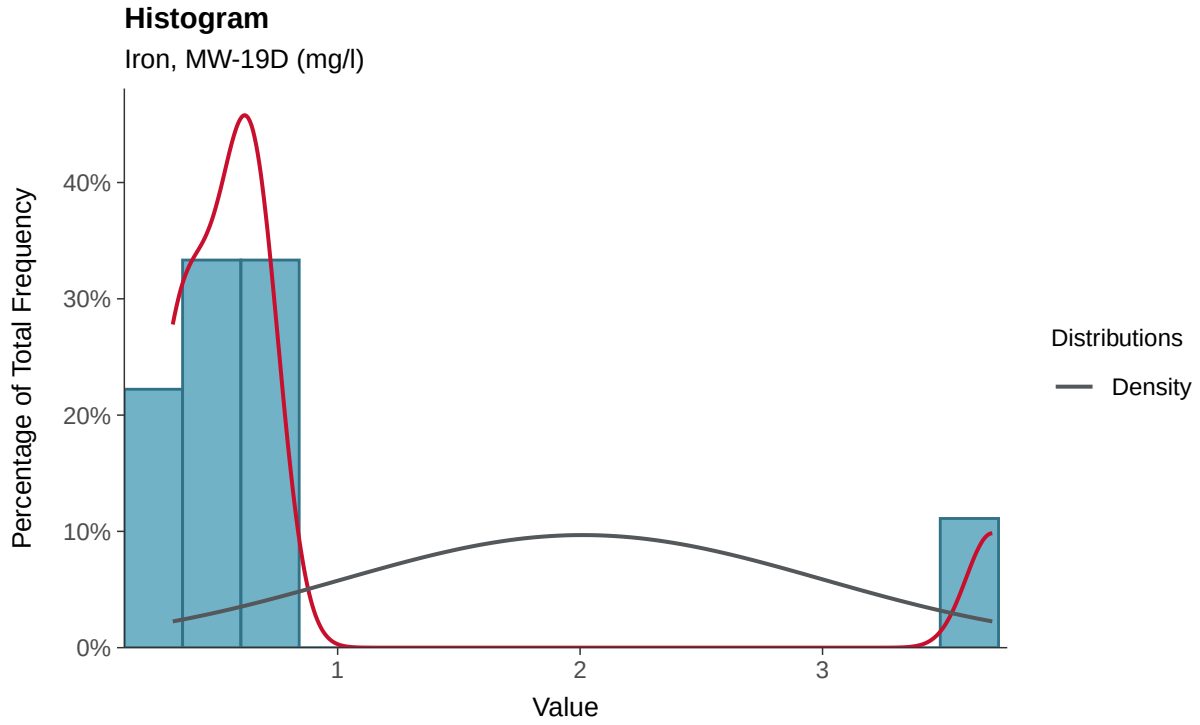
Copper, MW-19D (mg/l)



Part 115: Iron, MW-19D

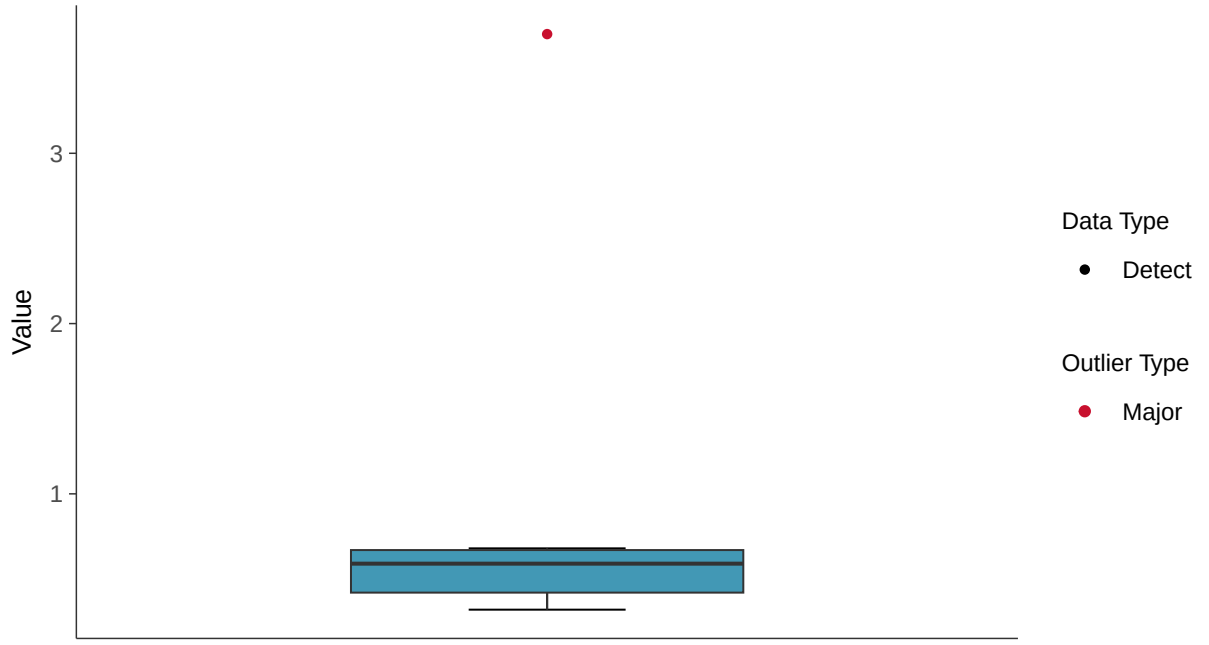
ID: 19_5_114





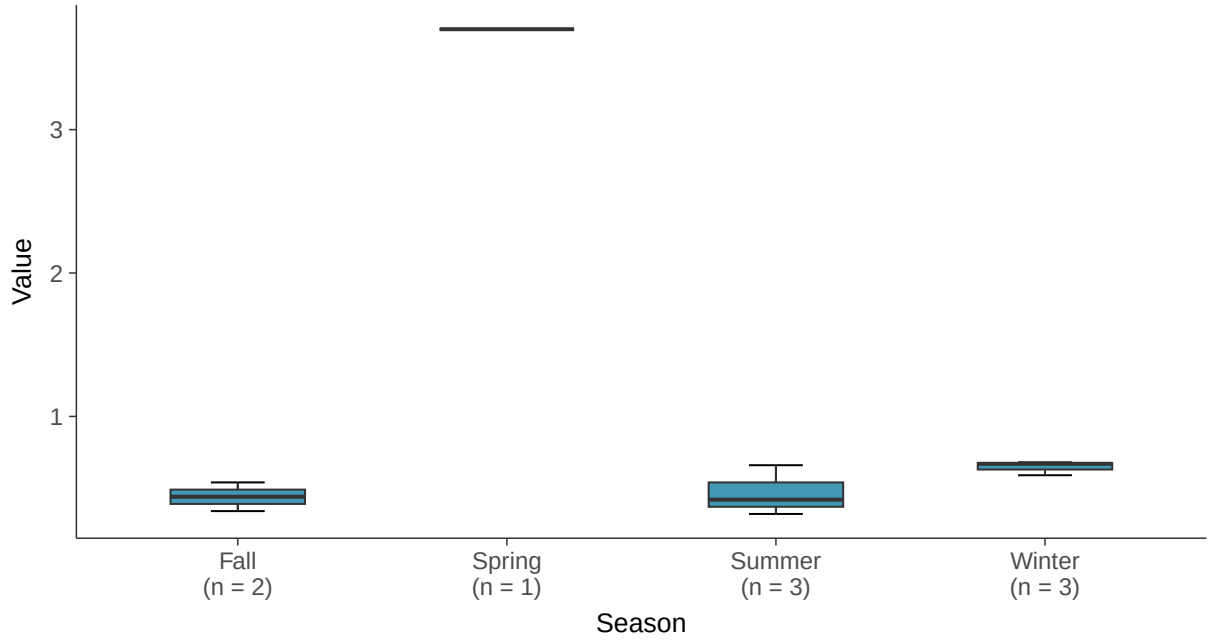
Boxplot

Iron, MW-19D (mg/l)



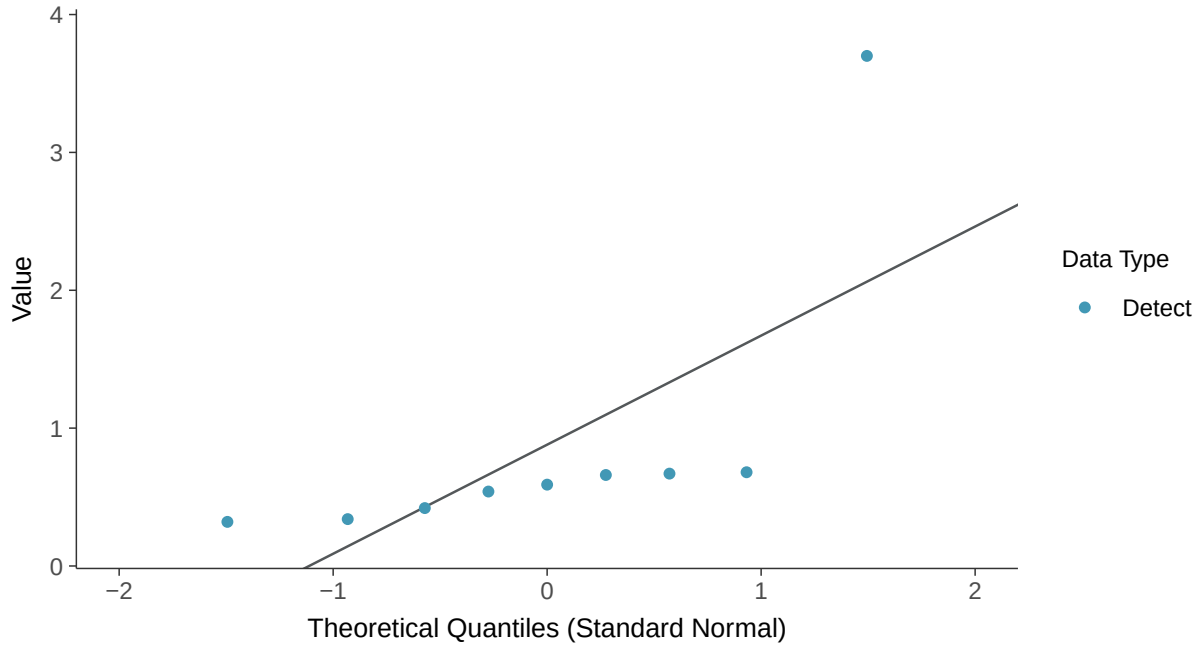
Boxplot by Season

Iron, MW-19D (mg/l)



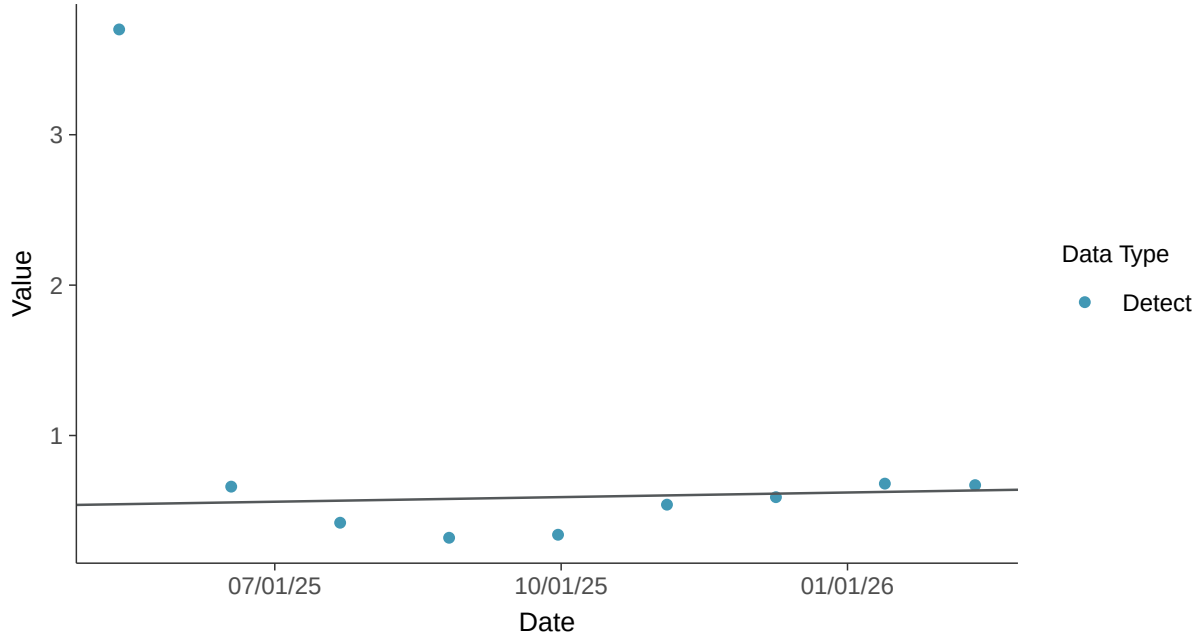
Normal Q-Q plot

Iron, MW-19D (mg/l)



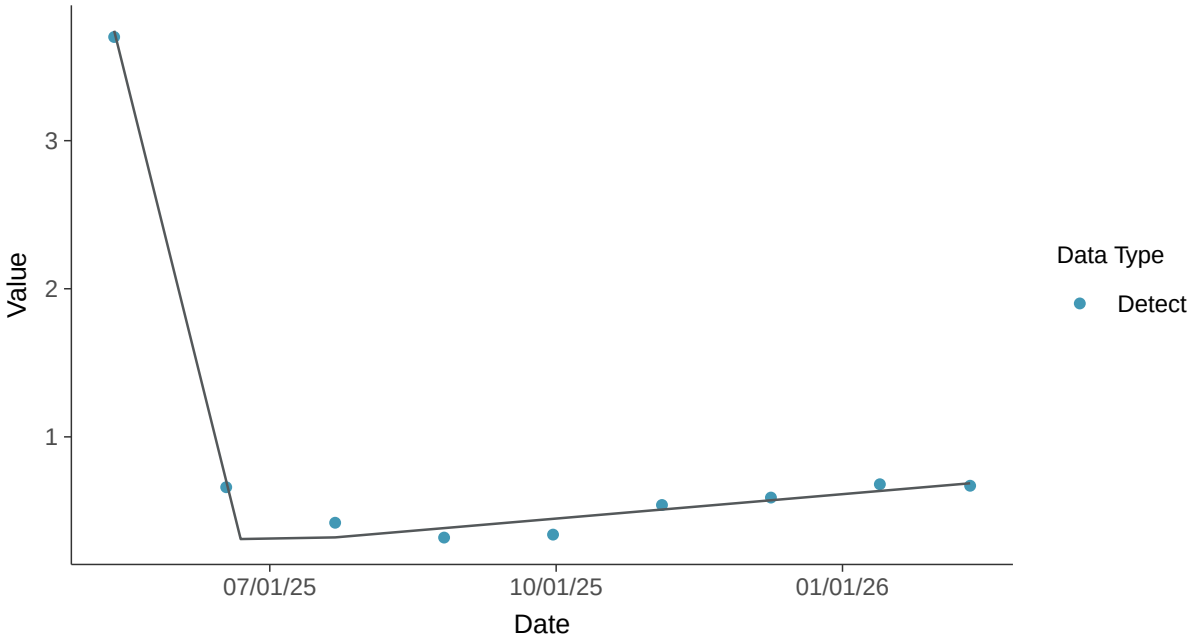
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Iron, MW-19D (mg/l)



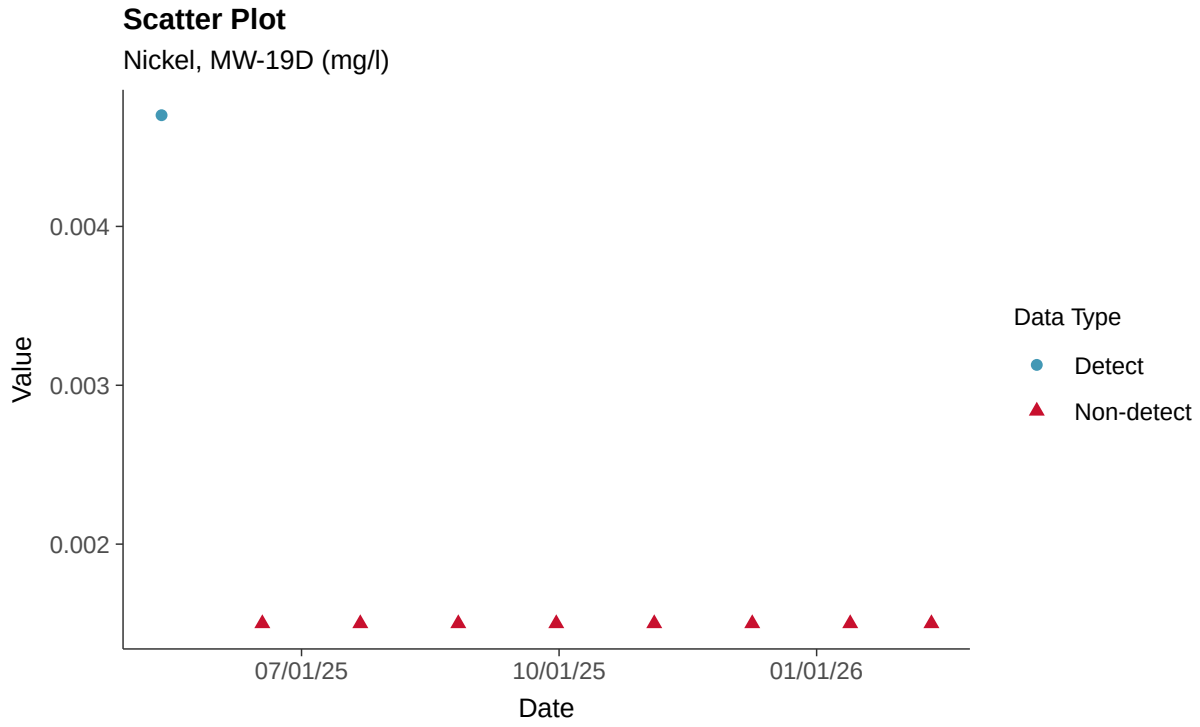
Trend Regression: Piecewise Linear-Linear

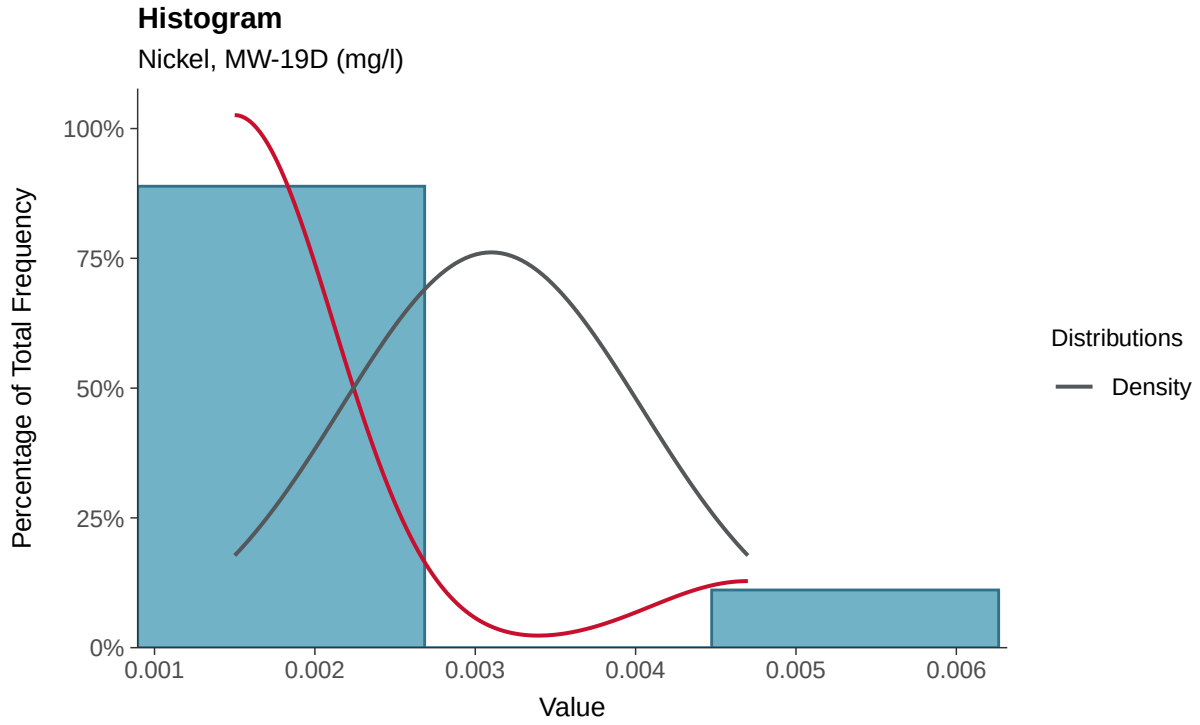
Iron, MW-19D (mg/l)



Part 115: Nickel, MW-19D

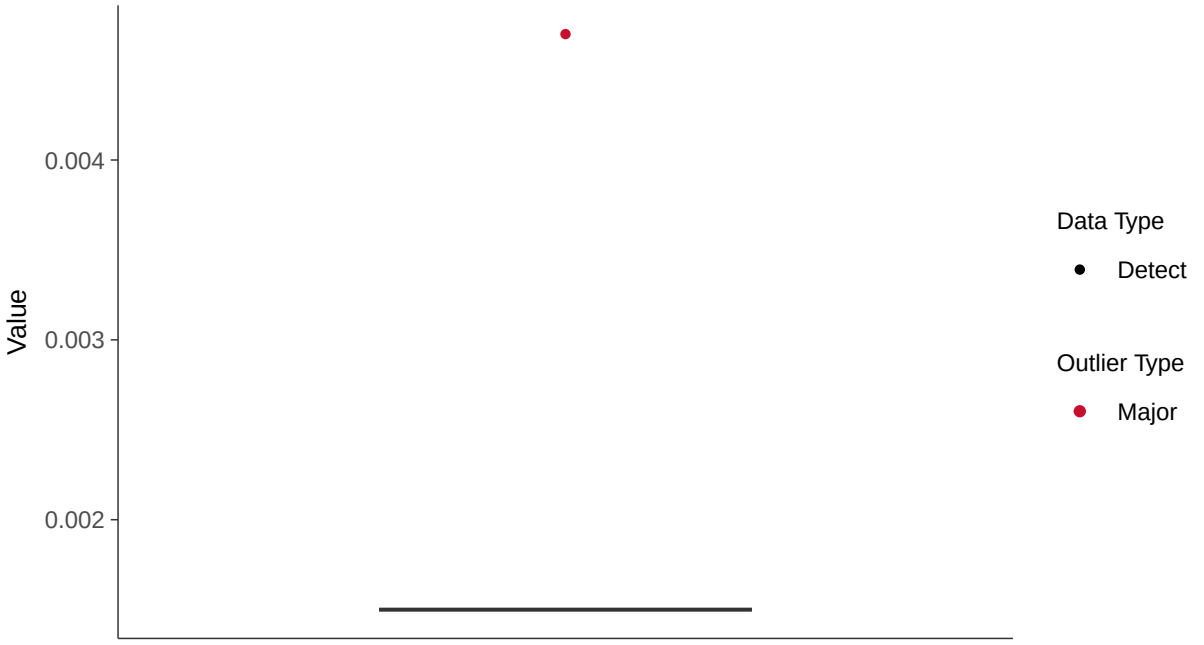
ID: 19_5_119





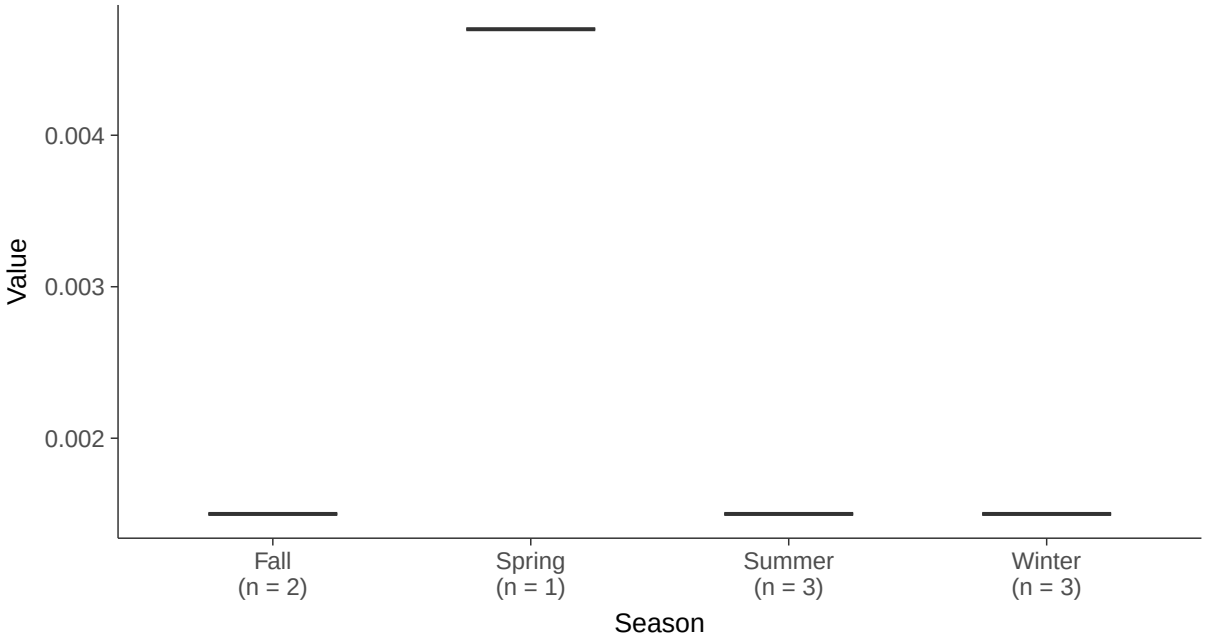
Boxplot

Nickel, MW-19D (mg/l)



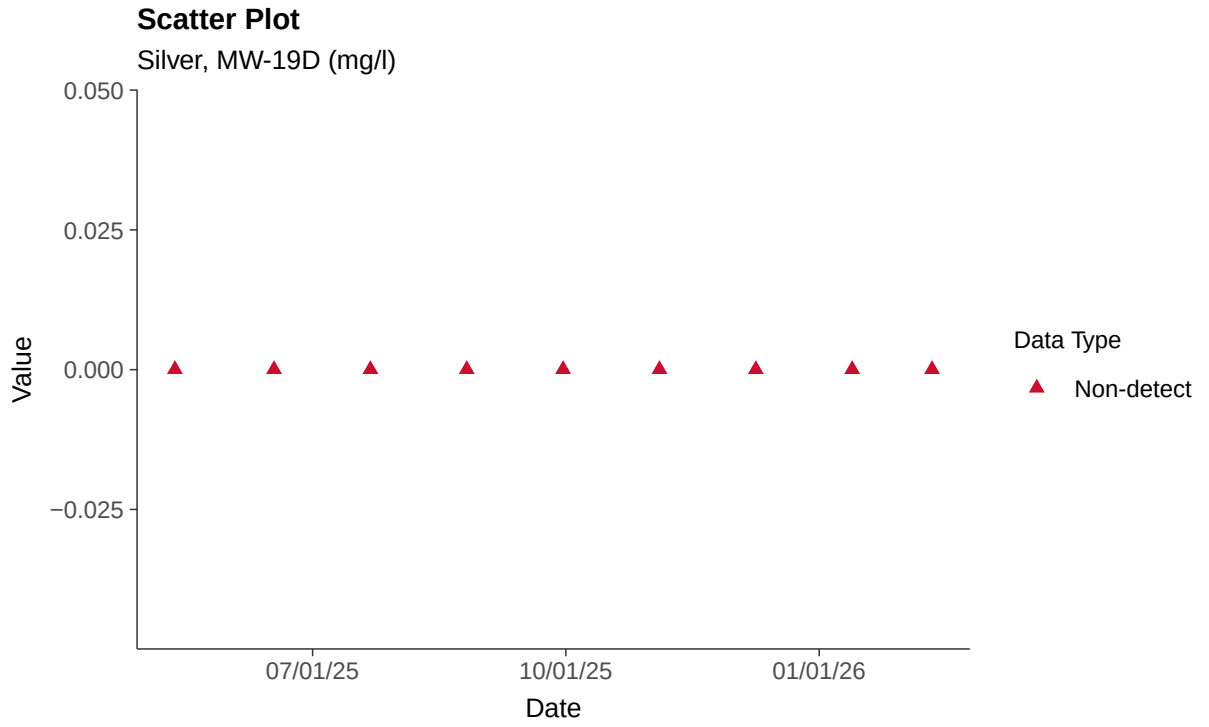
Boxplot by Season

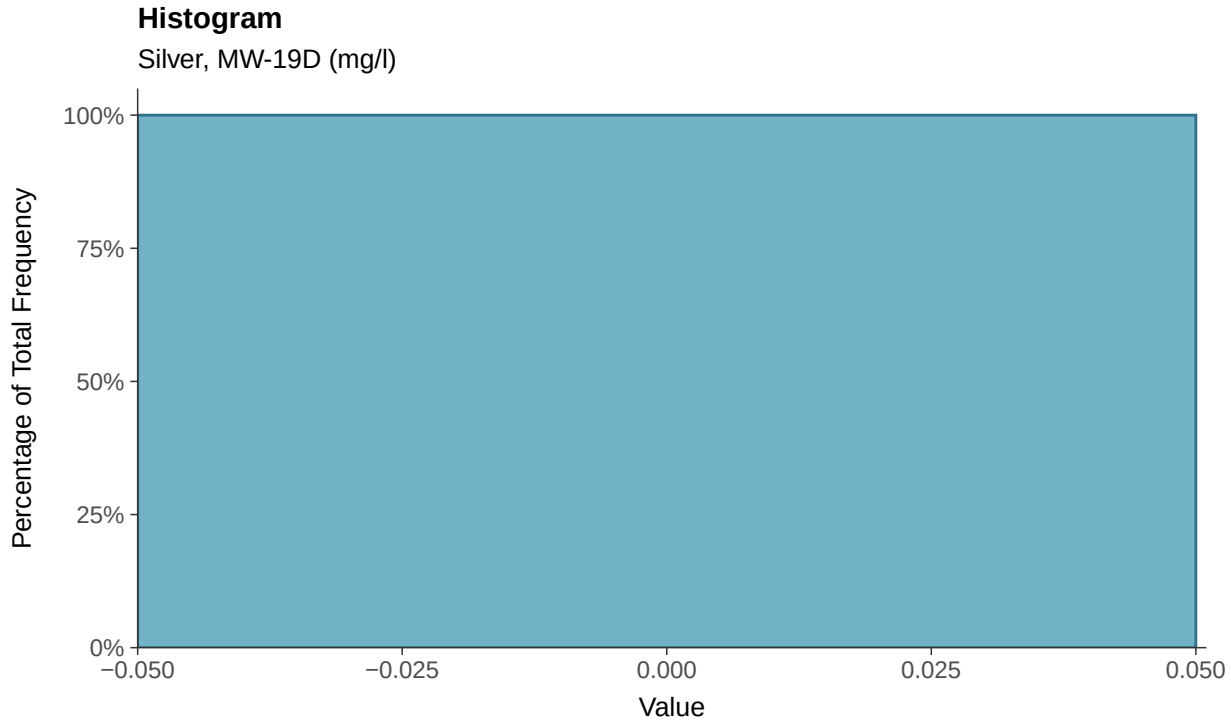
Nickel, MW-19D (mg/l)



Part 115: Silver, MW-19D

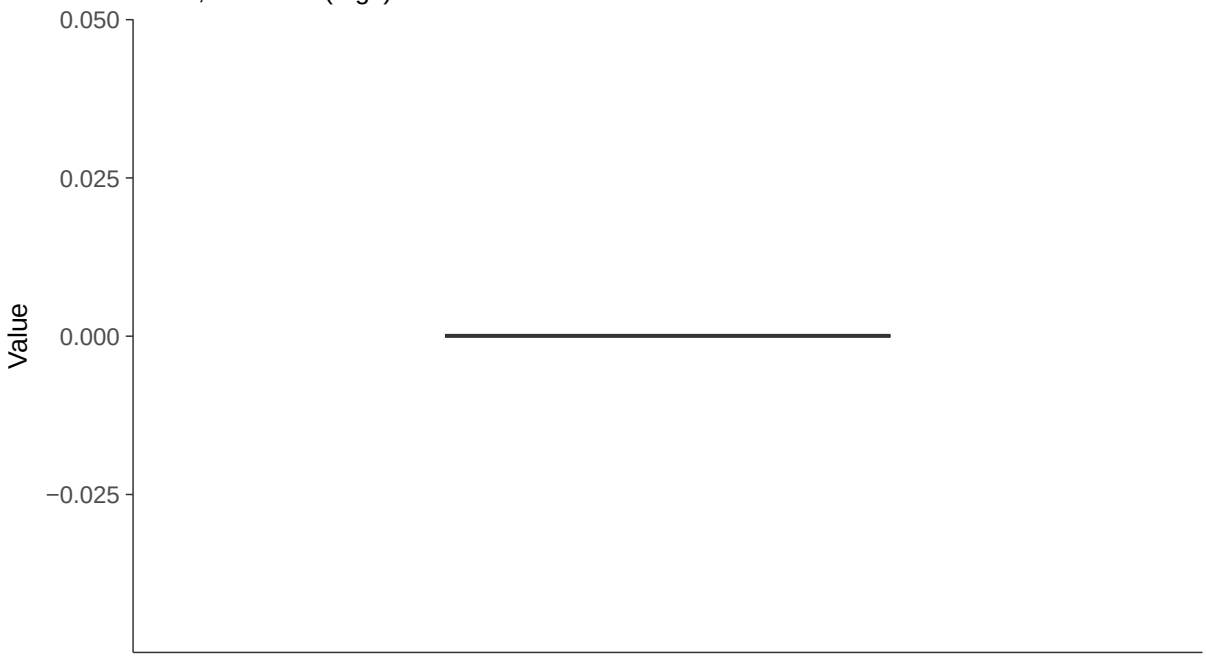
ID: 19_5_123





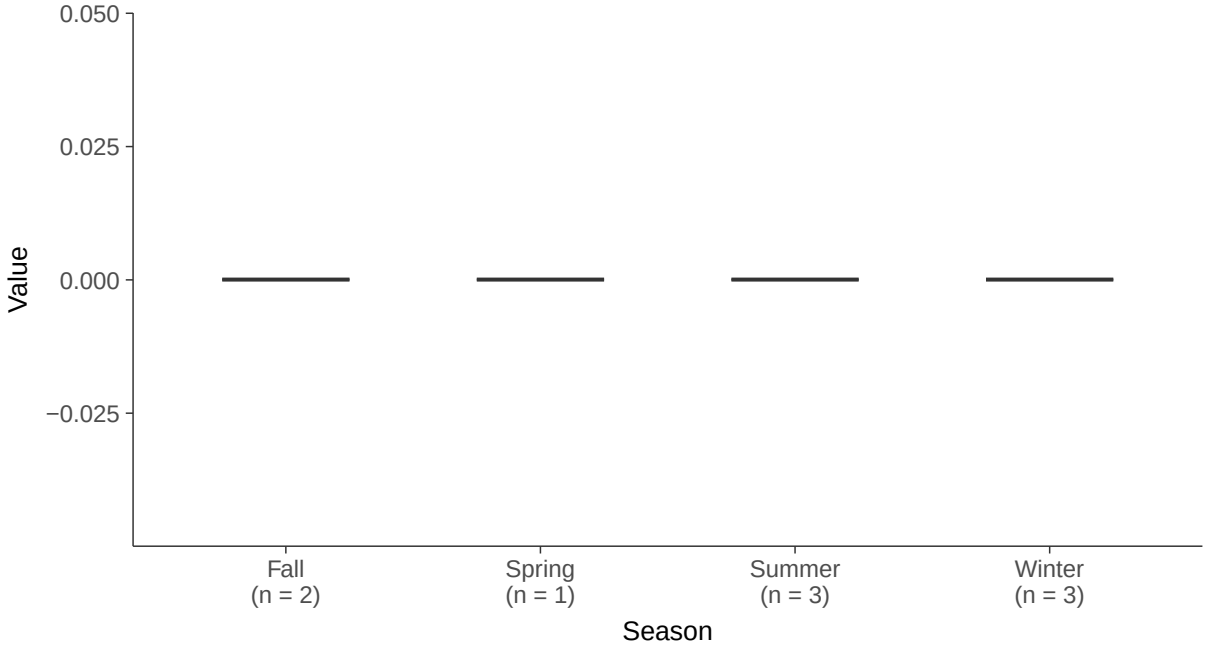
Boxplot

Silver, MW-19D (mg/l)



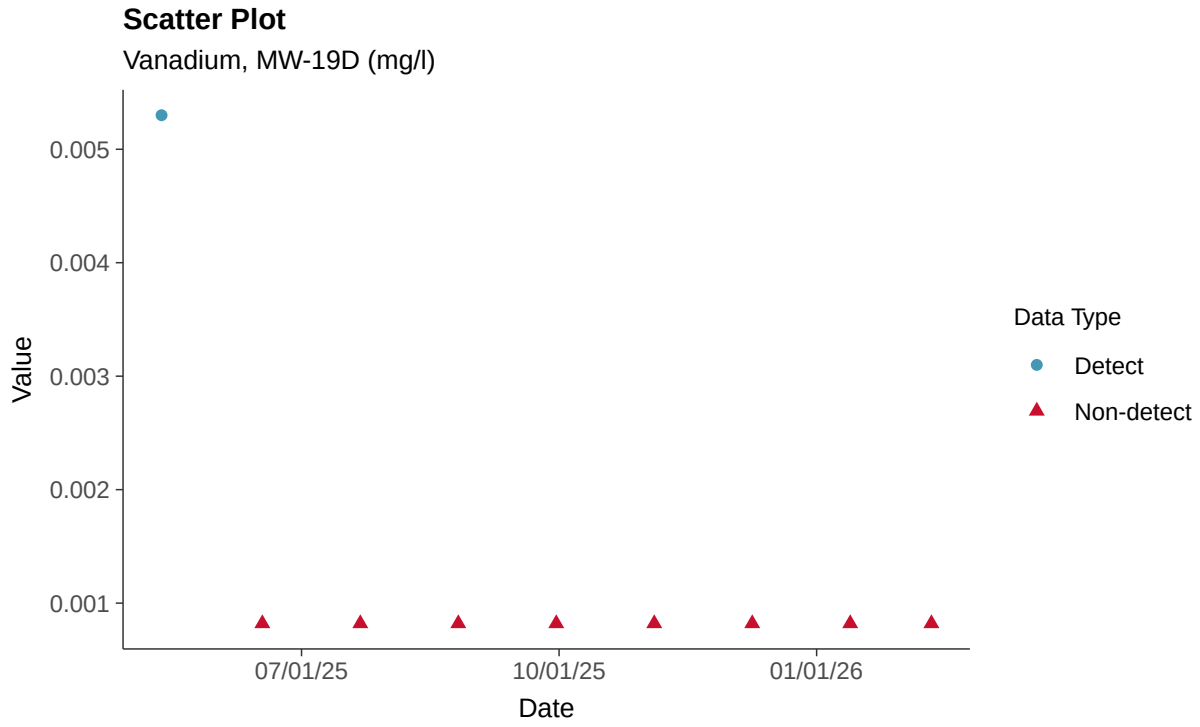
Boxplot by Season

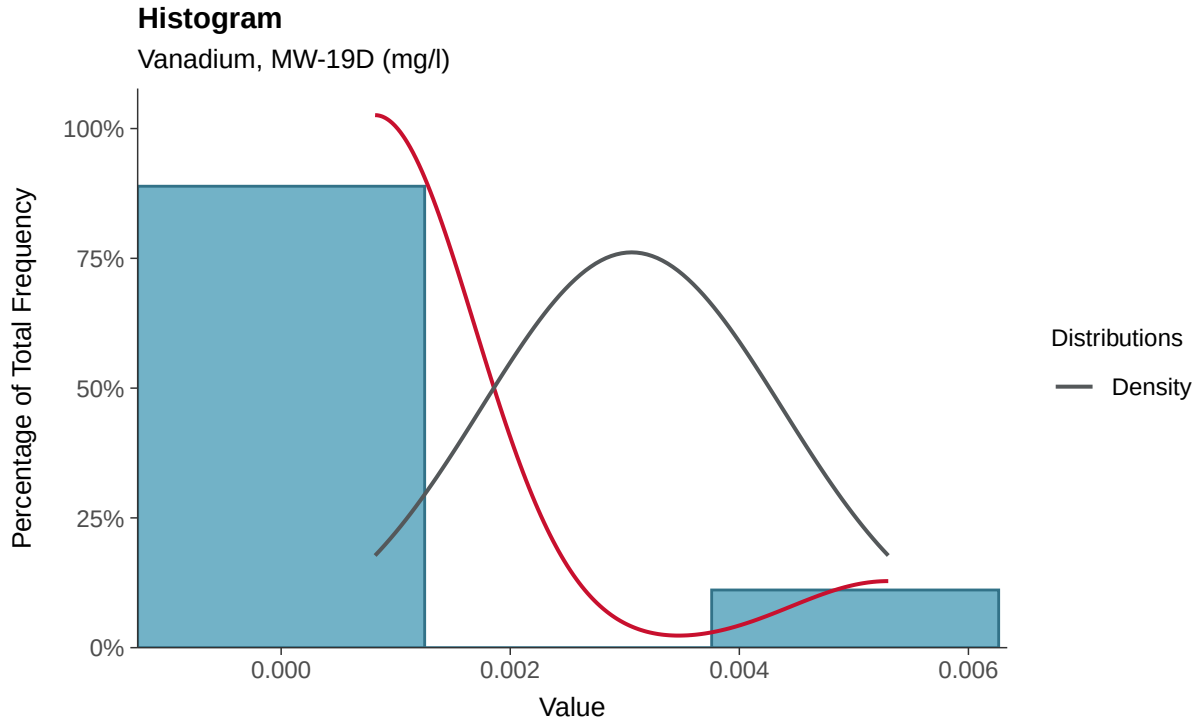
Silver, MW-19D (mg/l)



Part 115: Vanadium, MW-19D

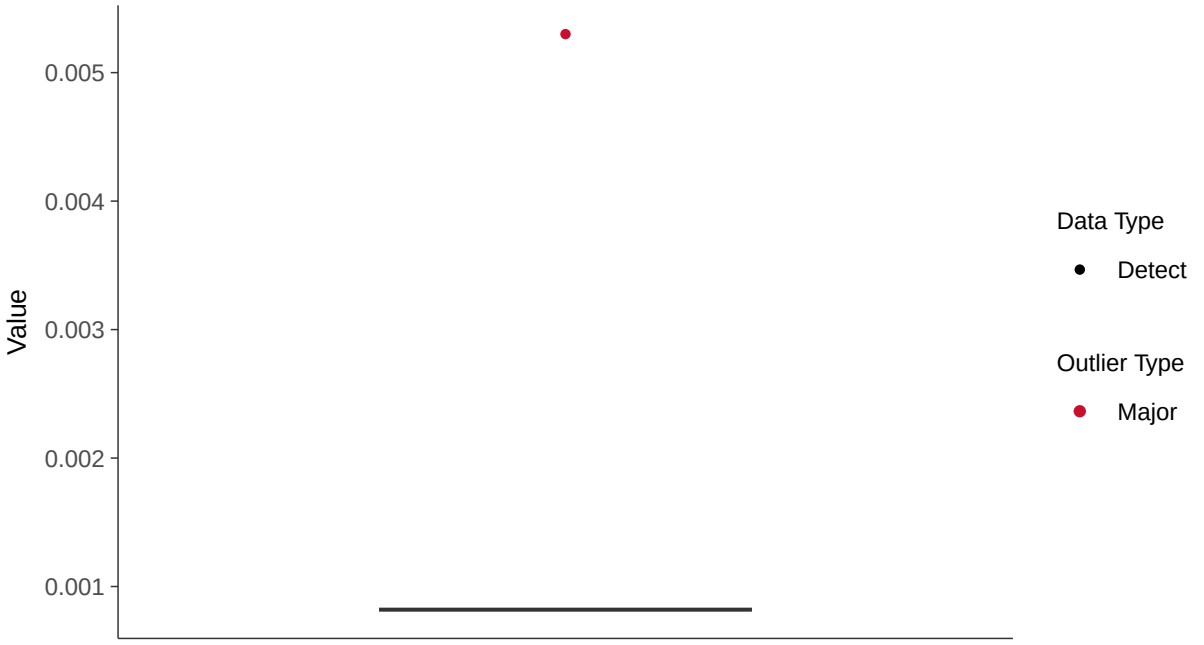
ID: 19_5_128





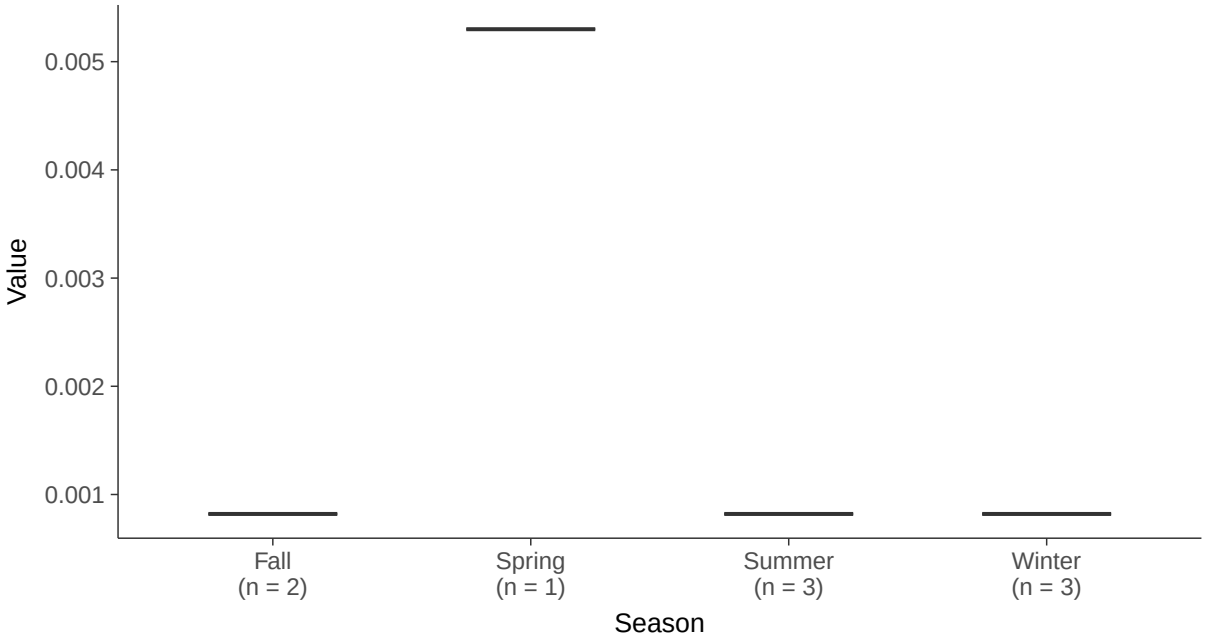
Boxplot

Vanadium, MW-19D (mg/l)



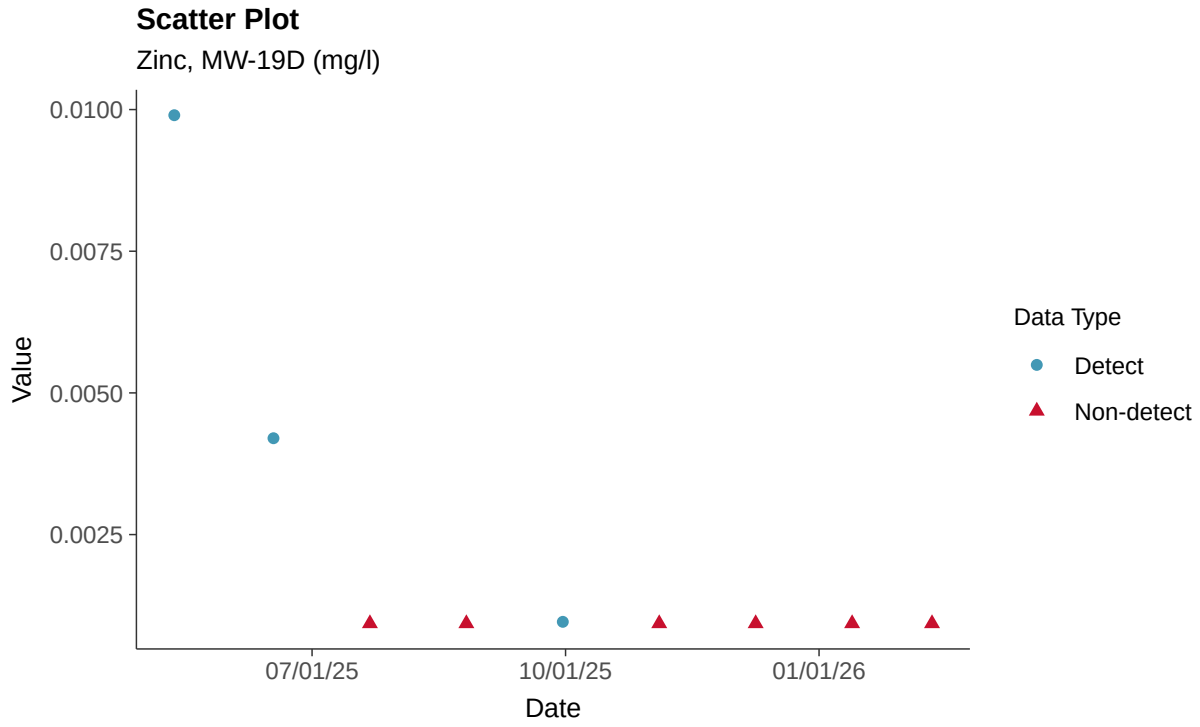
Boxplot by Season

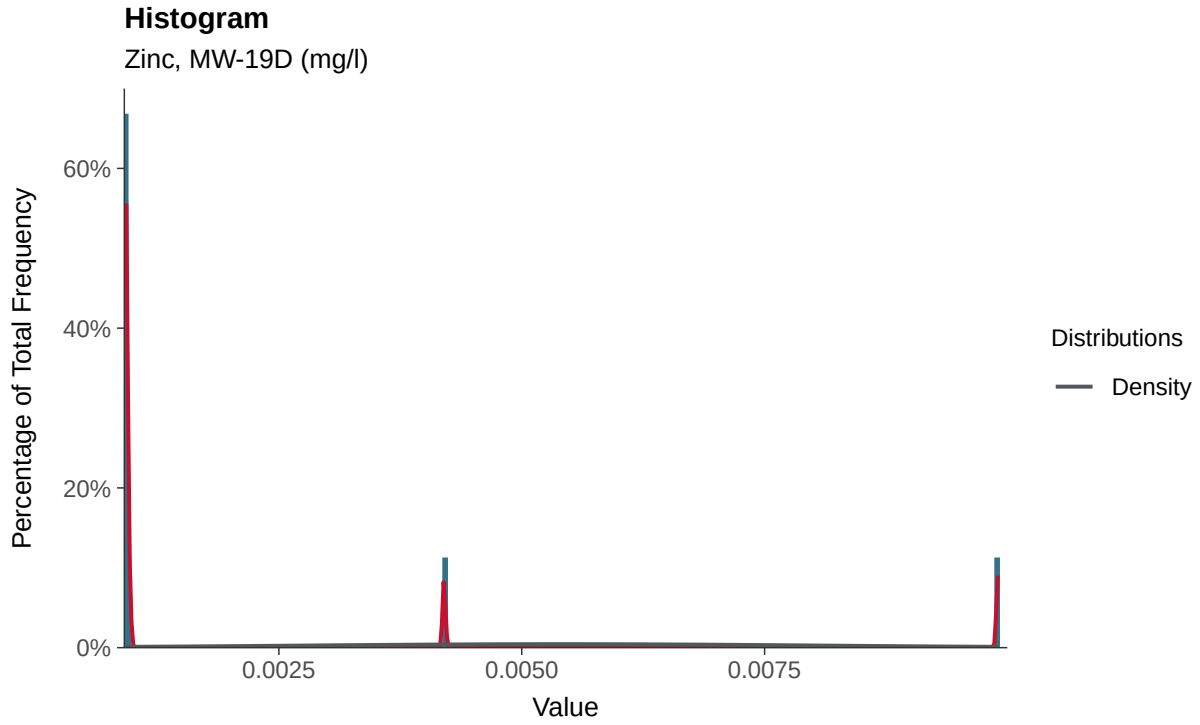
Vanadium, MW-19D (mg/l)



Part 115: Zinc, MW-19D

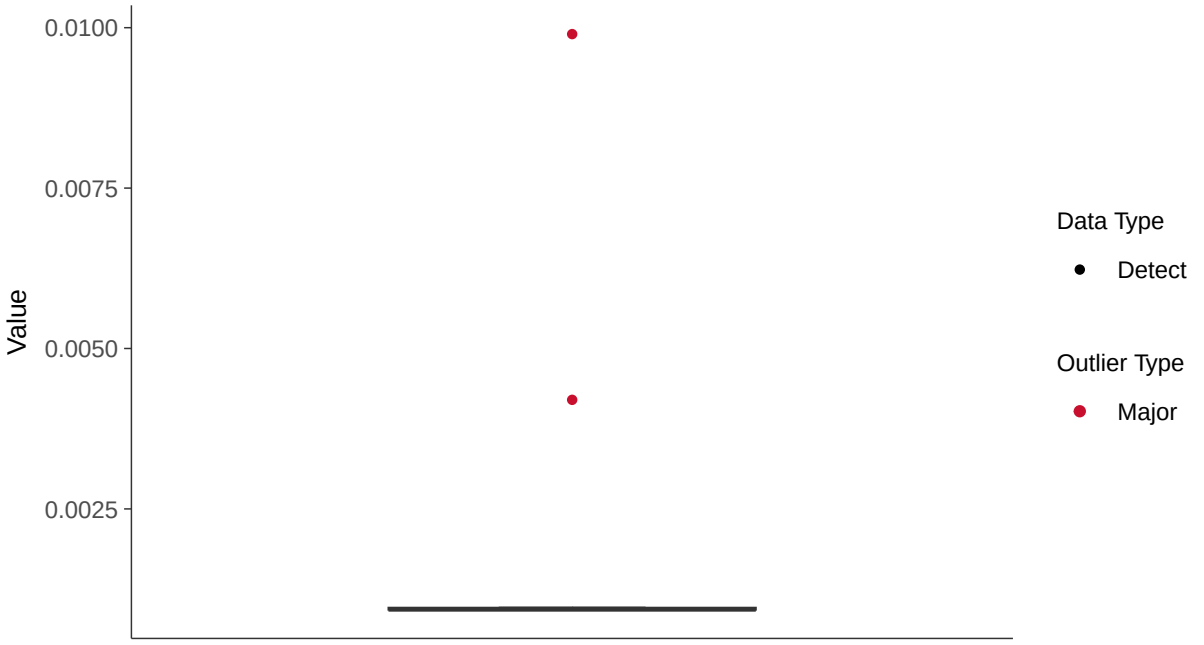
ID: 19_5_129





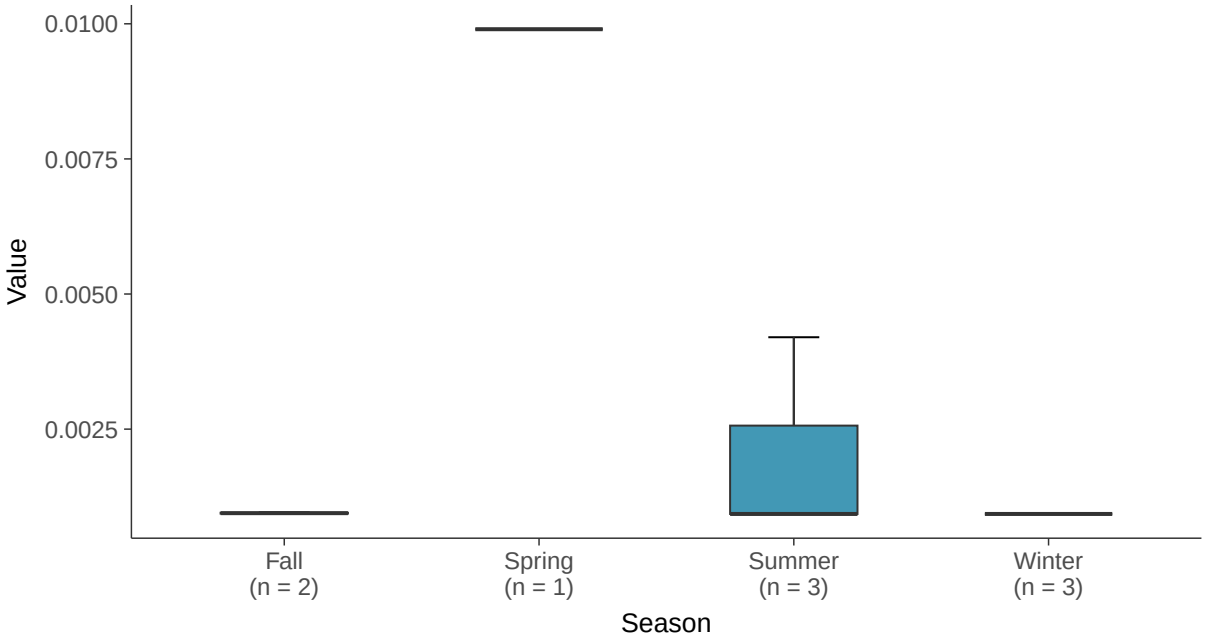
Boxplot

Zinc, MW-19D (mg/l)



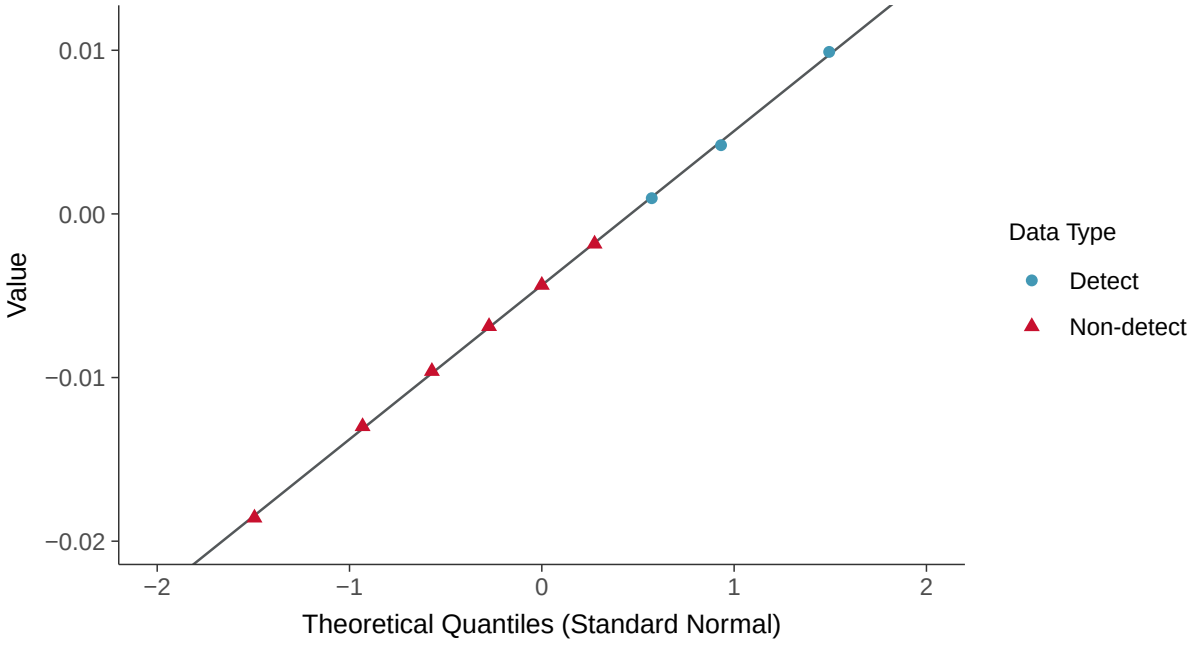
Boxplot by Season

Zinc, MW-19D (mg/l)



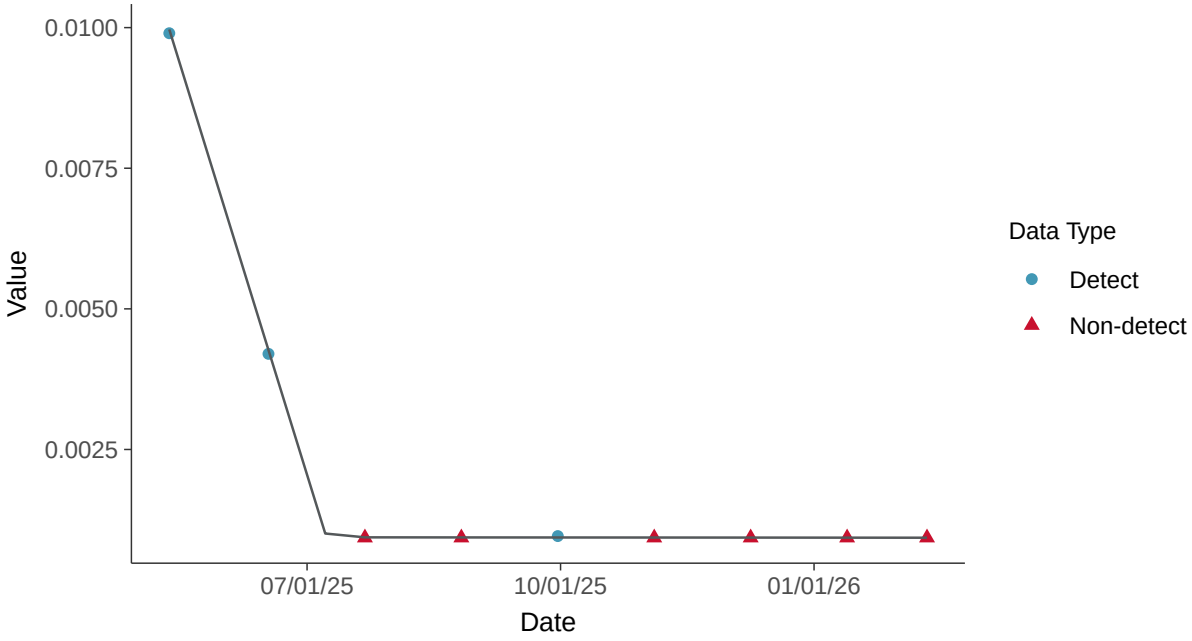
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-19D (mg/l)



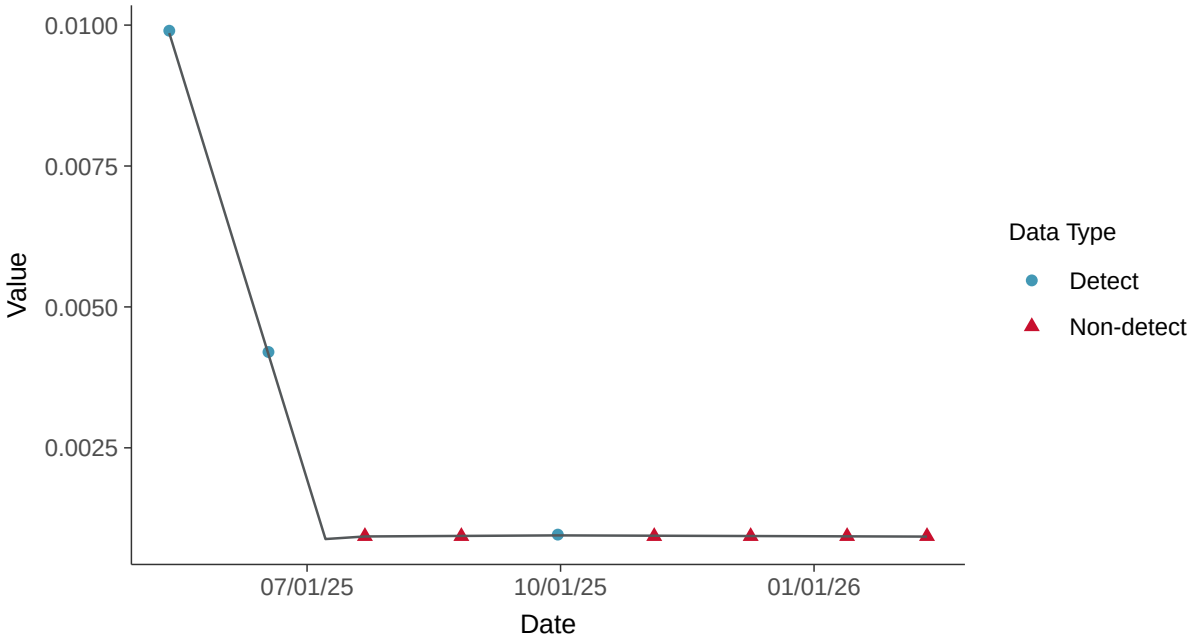
Trend Regression: Piecewise Linear-Linear

Zinc, MW-19D (mg/l)



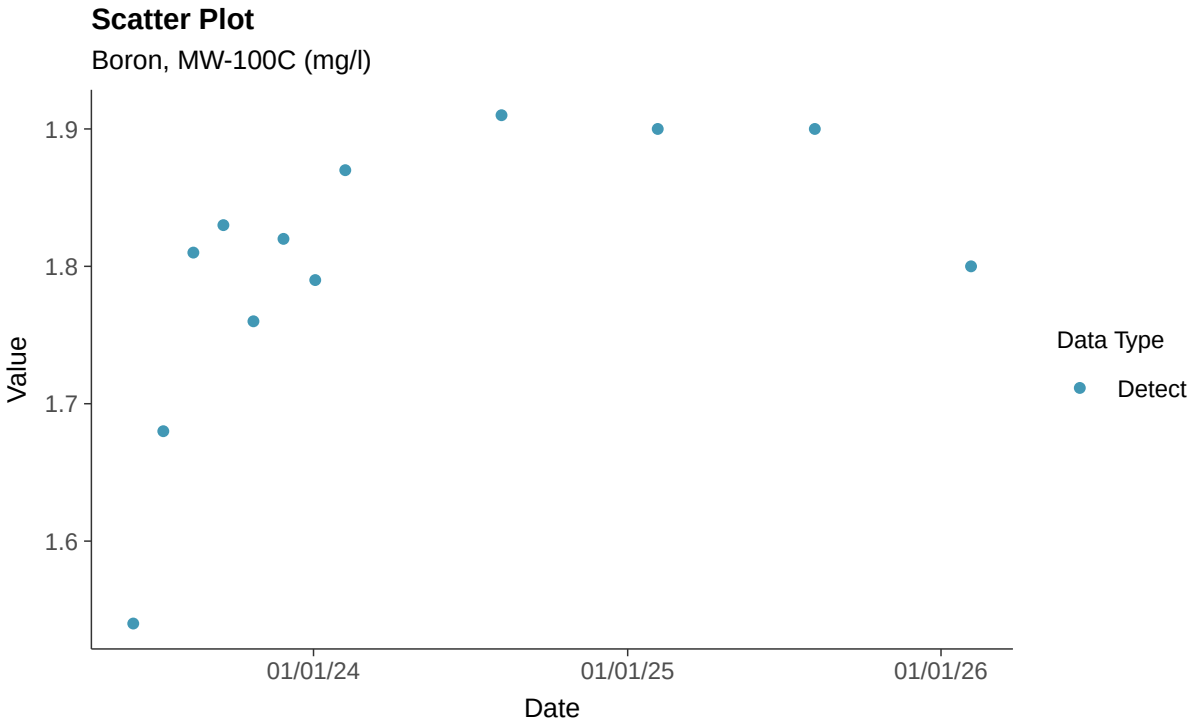
Trend Regression: Piecewise Linear-Linear-Linear

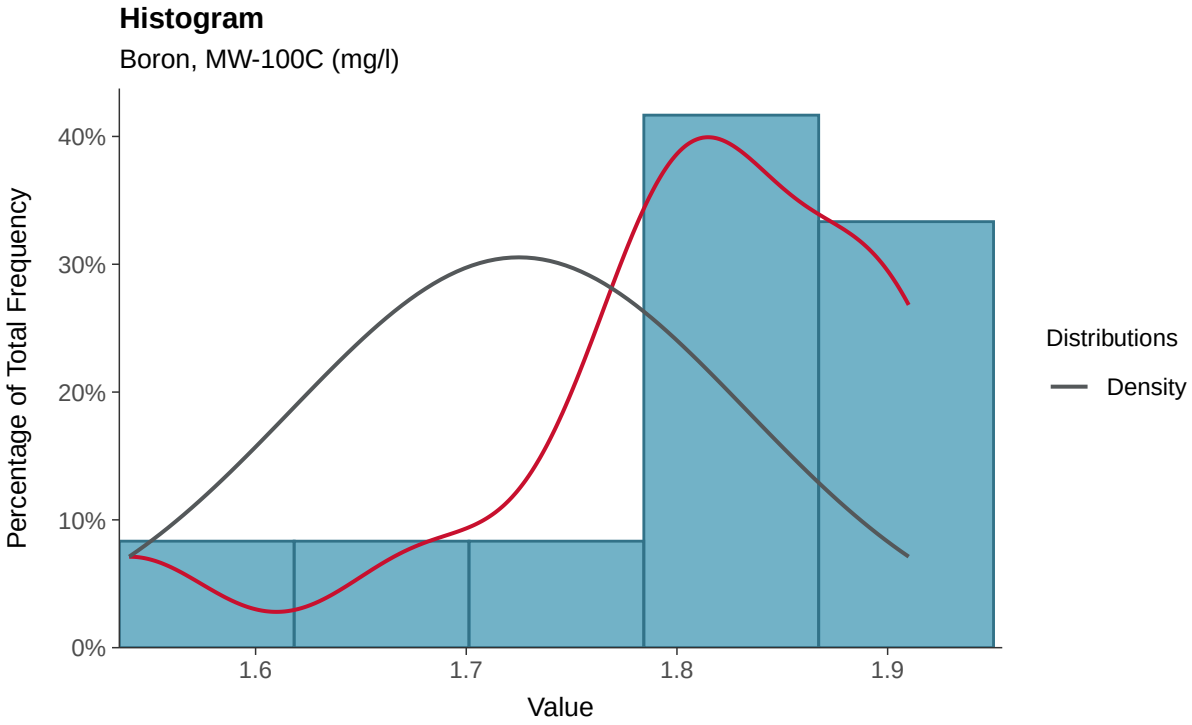
Zinc, MW-19D (mg/l)



Appendix III: Boron, MW-100C

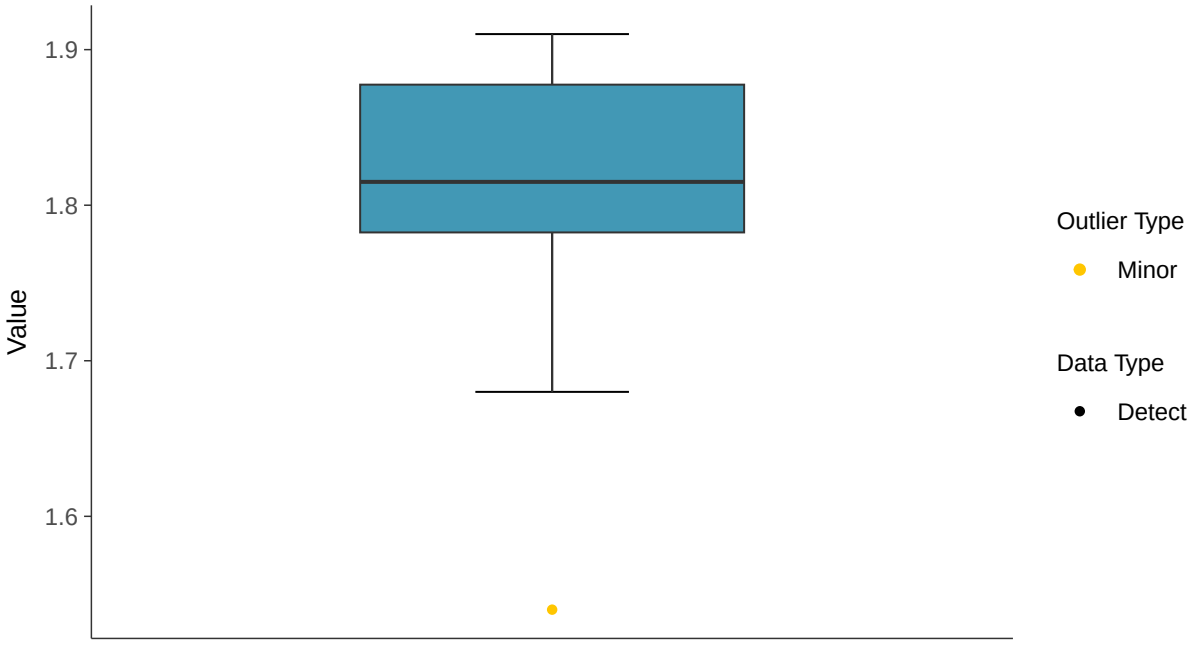
ID: 20_2_105





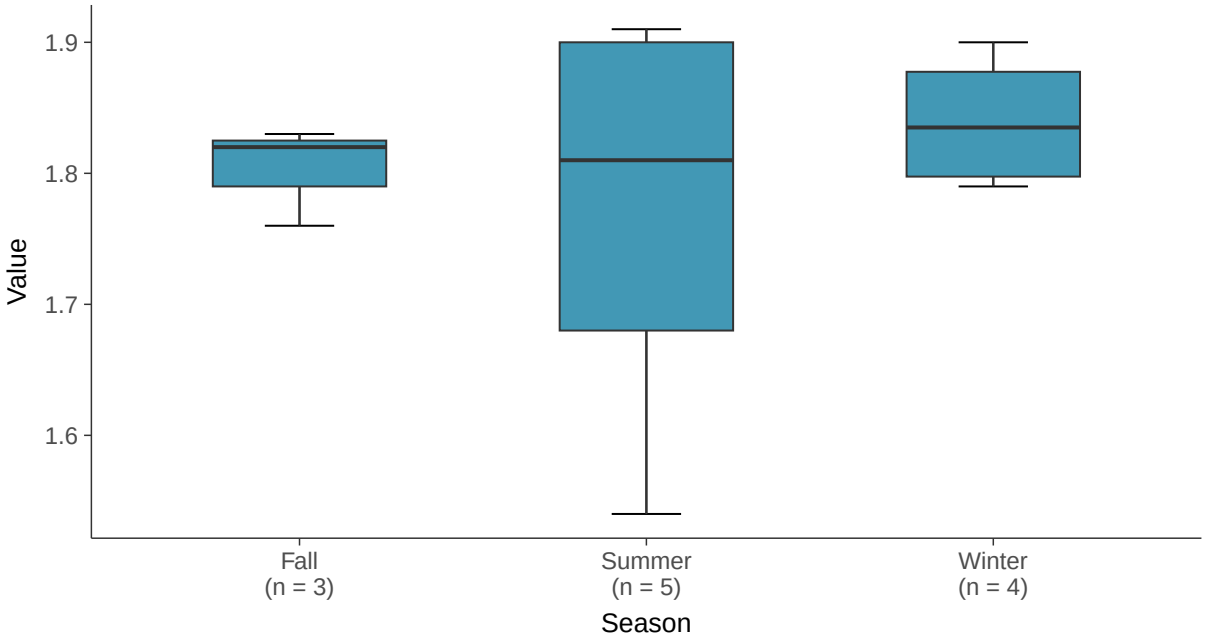
Boxplot

Boron, MW-100C (mg/l)



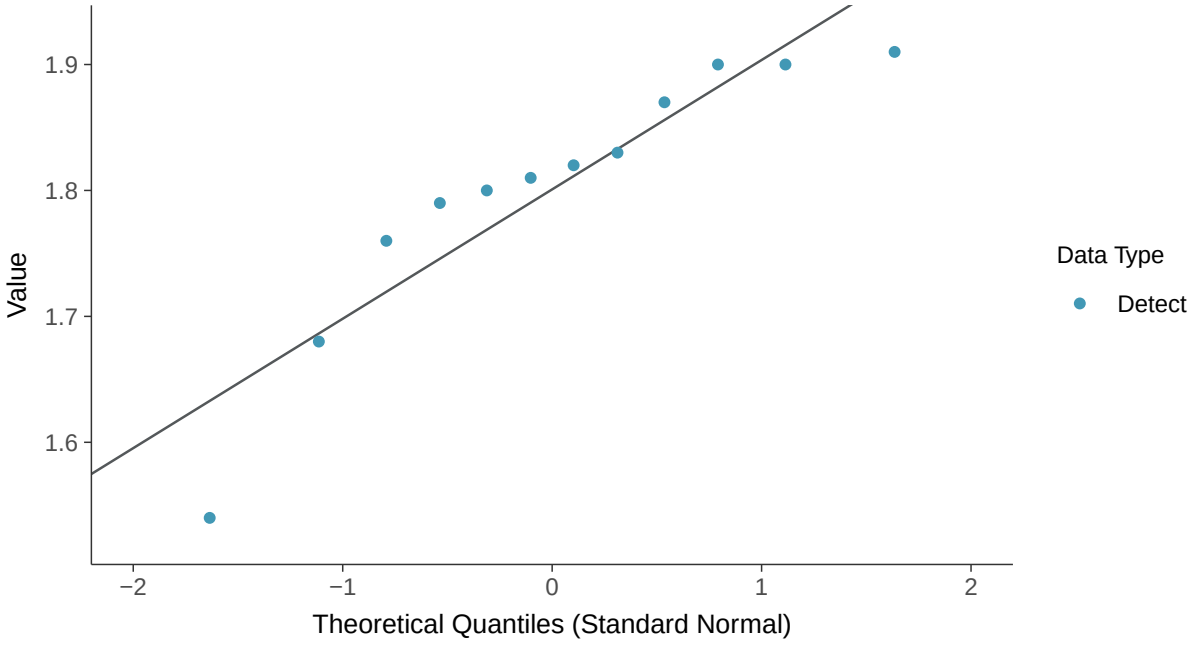
Boxplot by Season

Boron, MW-100C (mg/l)



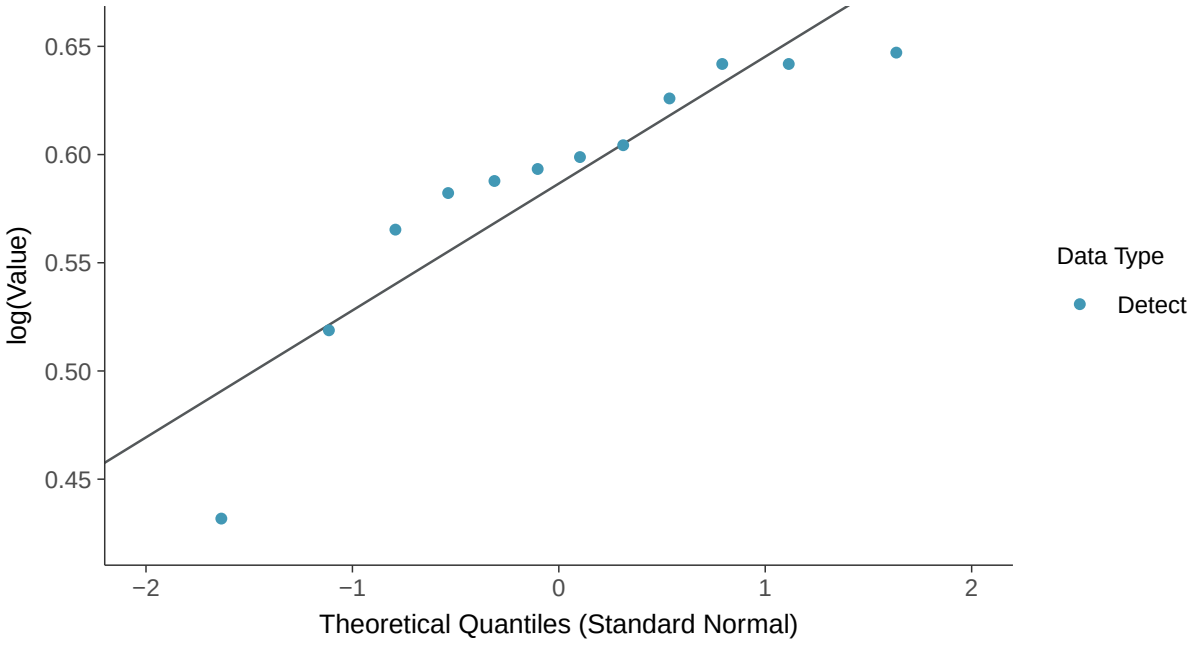
Normal Q-Q plot

Boron, MW-100C (mg/l)



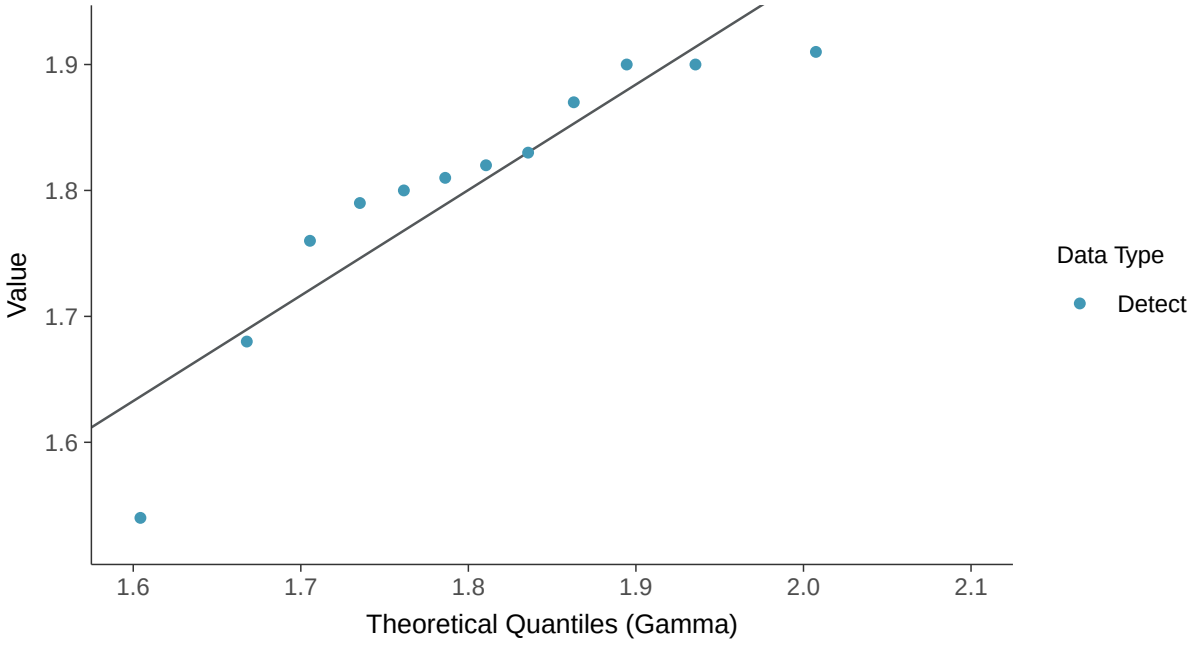
Lognormal Q-Q plot

Boron, MW-100C (mg/l)



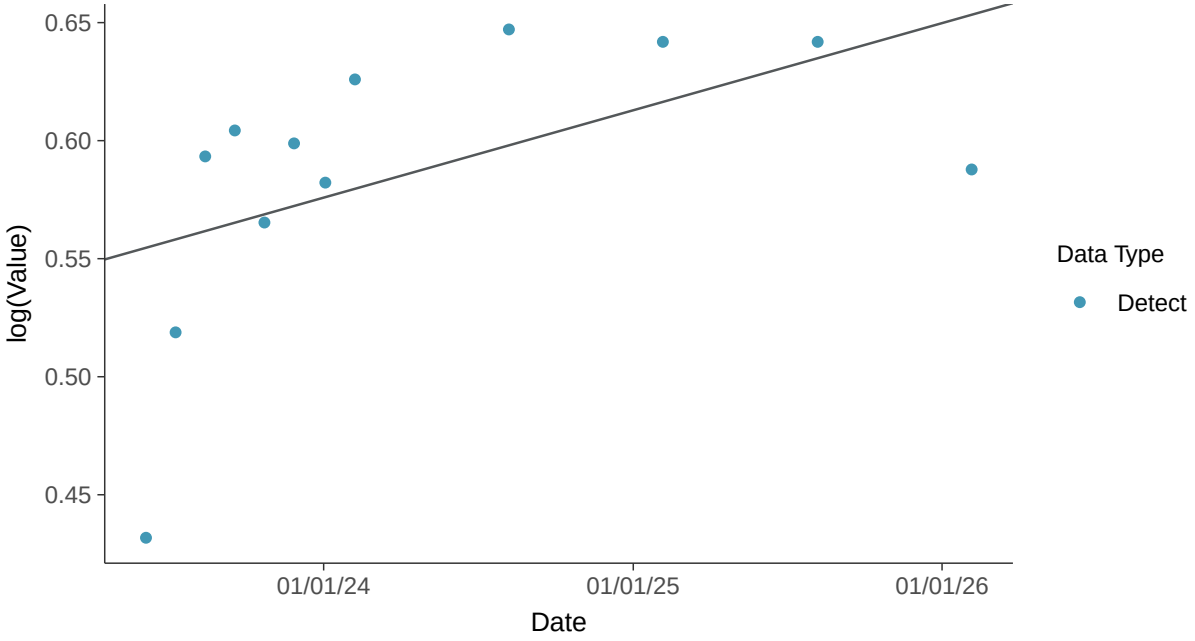
Gamma Q-Q plot

Boron, MW-100C (mg/l)



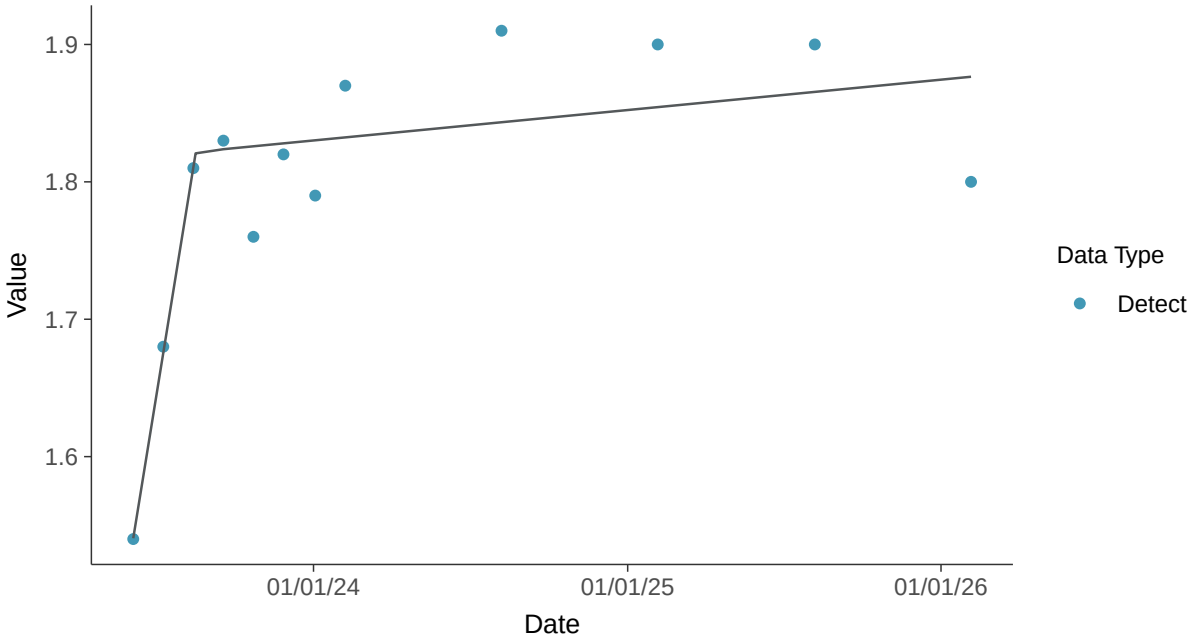
Trend Regression: Lognormal MLE

Boron, MW-100C (mg/l)



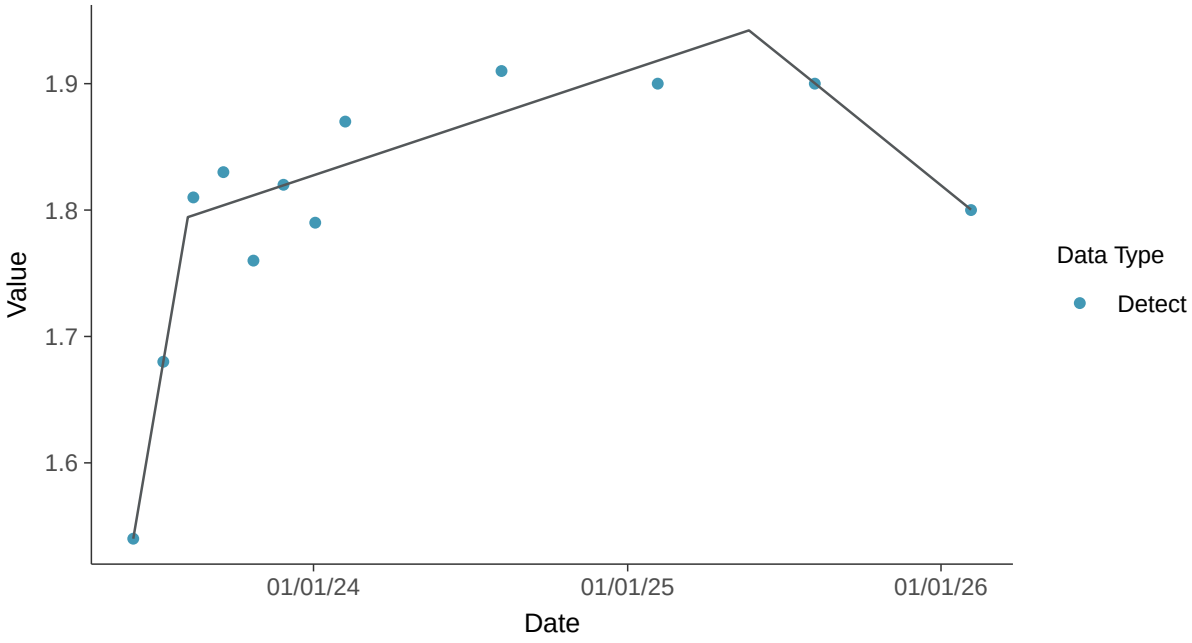
Trend Regression: Piecewise Linear-Linear

Boron, MW-100C (mg/l)



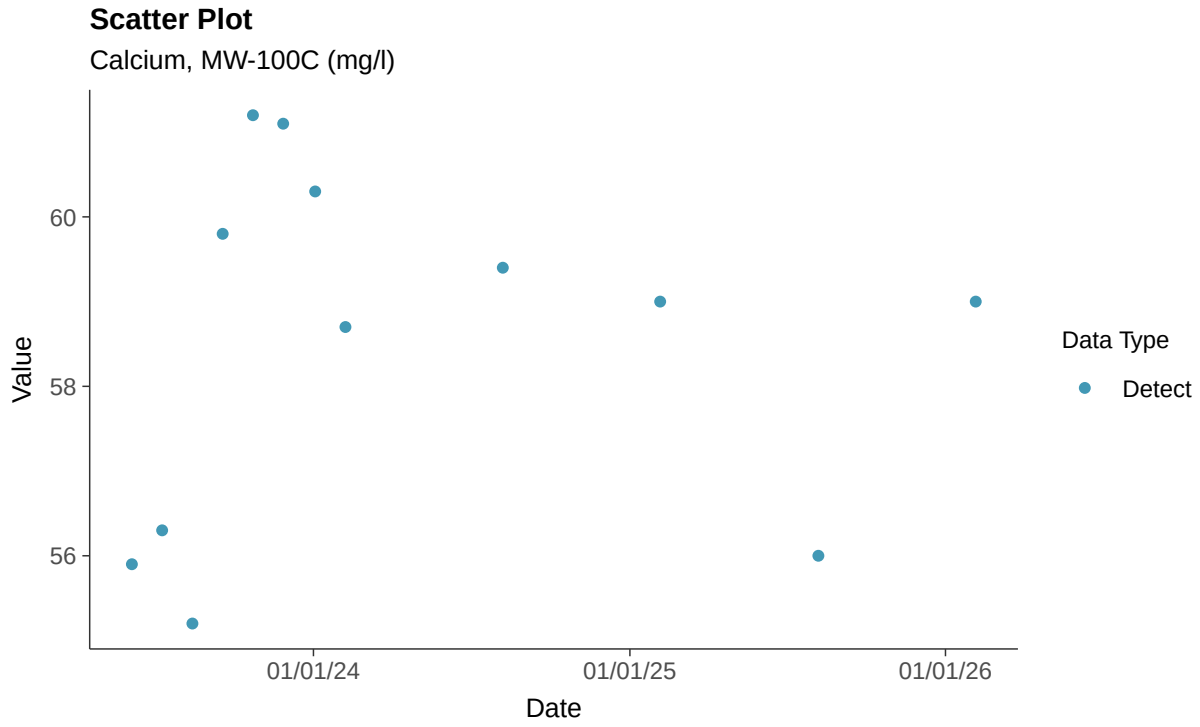
Trend Regression: Piecewise Linear-Linear-Linear

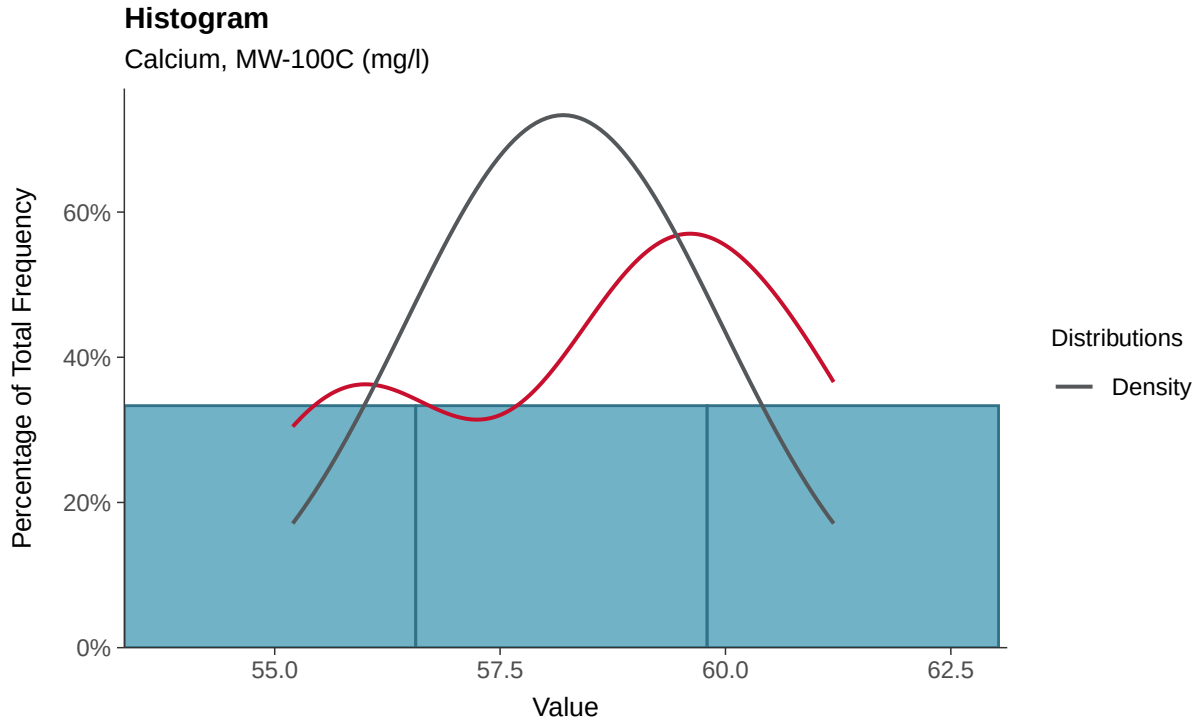
Boron, MW-100C (mg/l)



Appendix III: Calcium, MW-100C

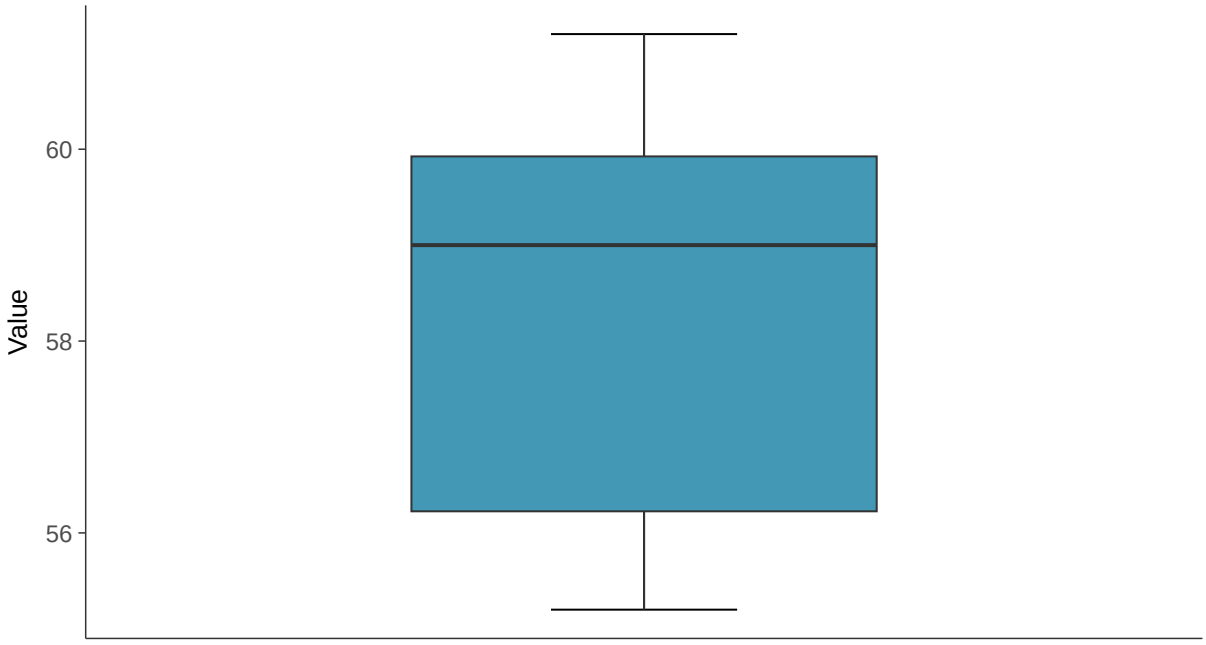
ID: 20_2_107





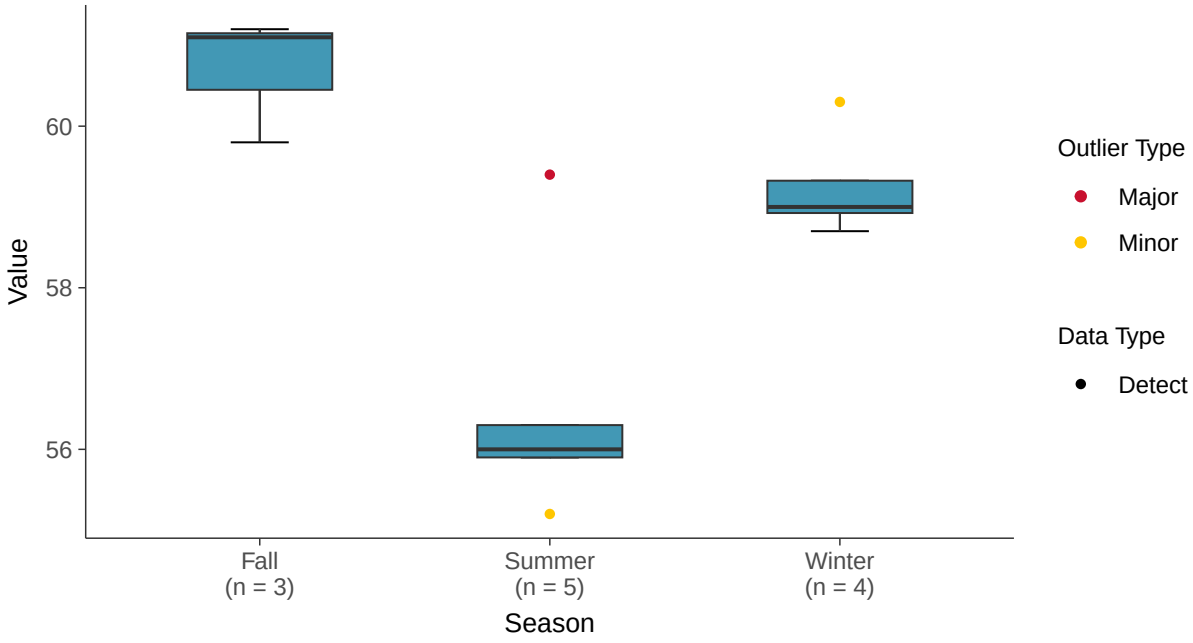
Boxplot

Calcium, MW-100C (mg/l)



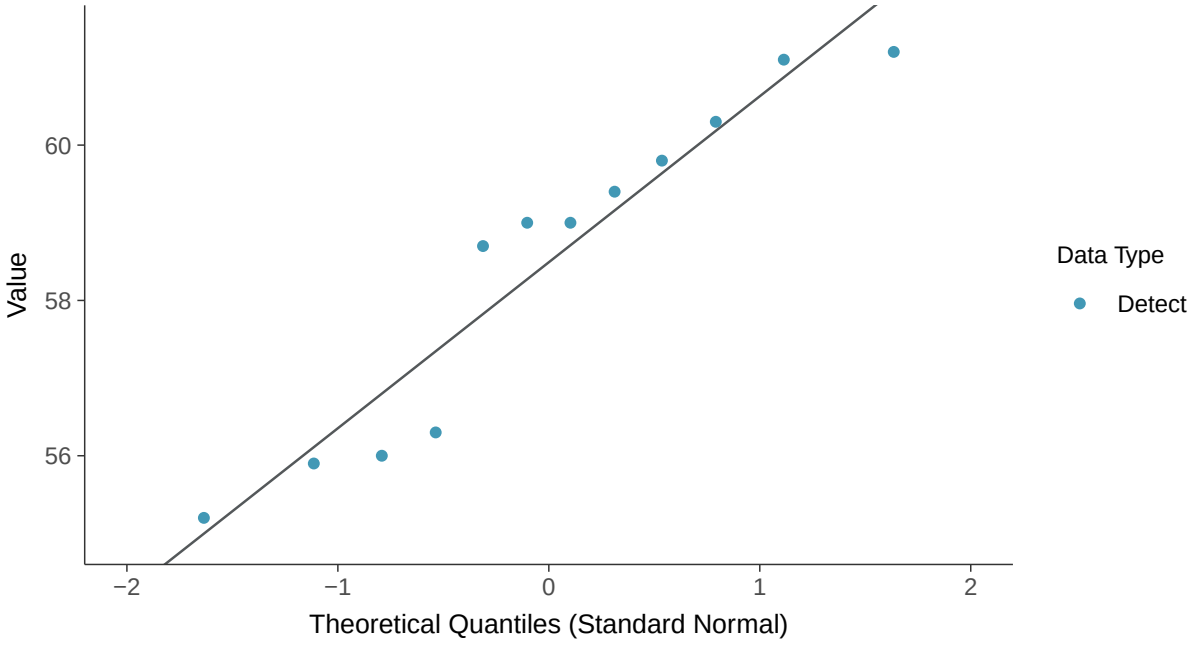
Boxplot by Season

Calcium, MW-100C (mg/l)



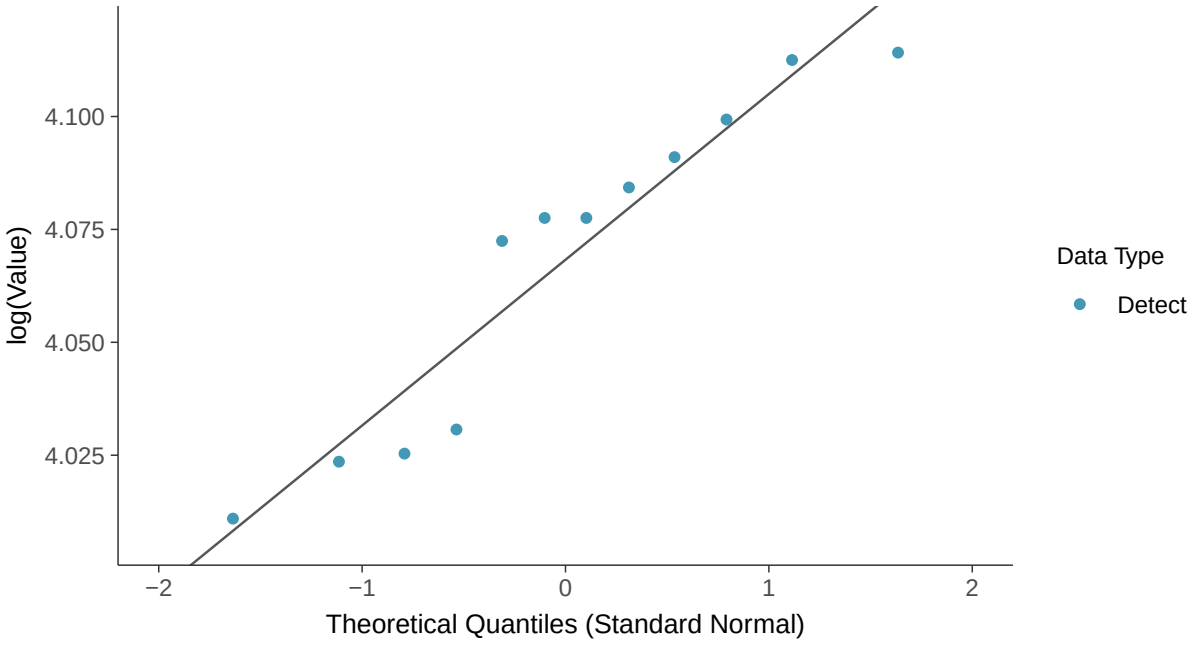
Normal Q-Q plot

Calcium, MW-100C (mg/l)



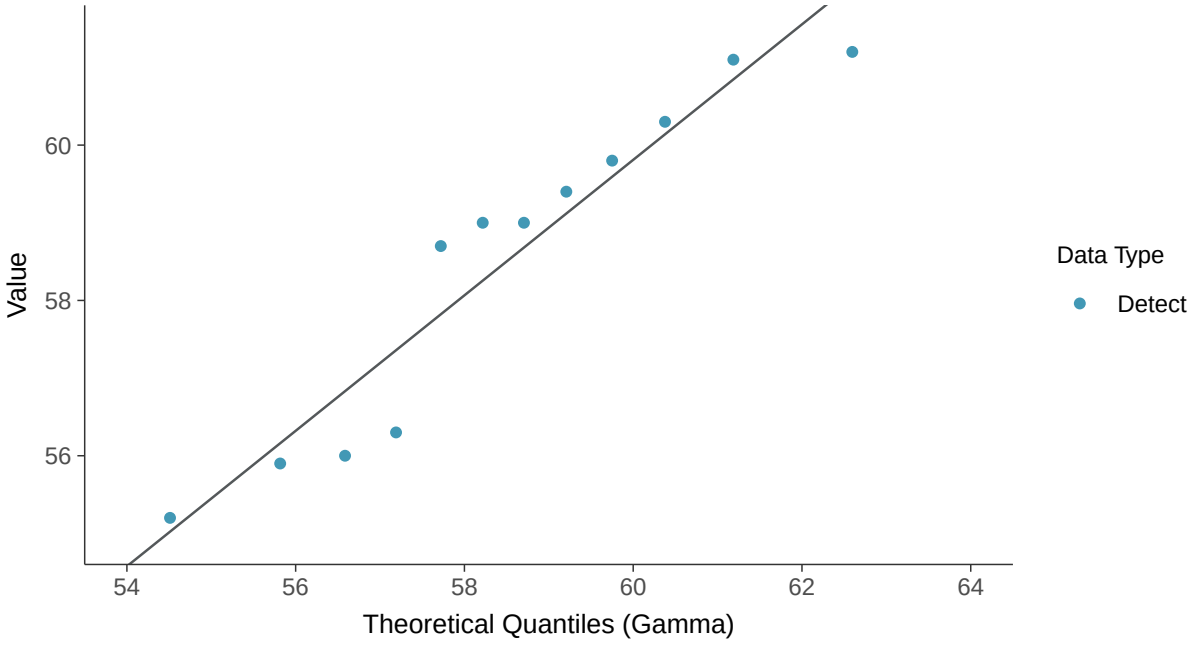
Lognormal Q-Q plot

Calcium, MW-100C (mg/l)



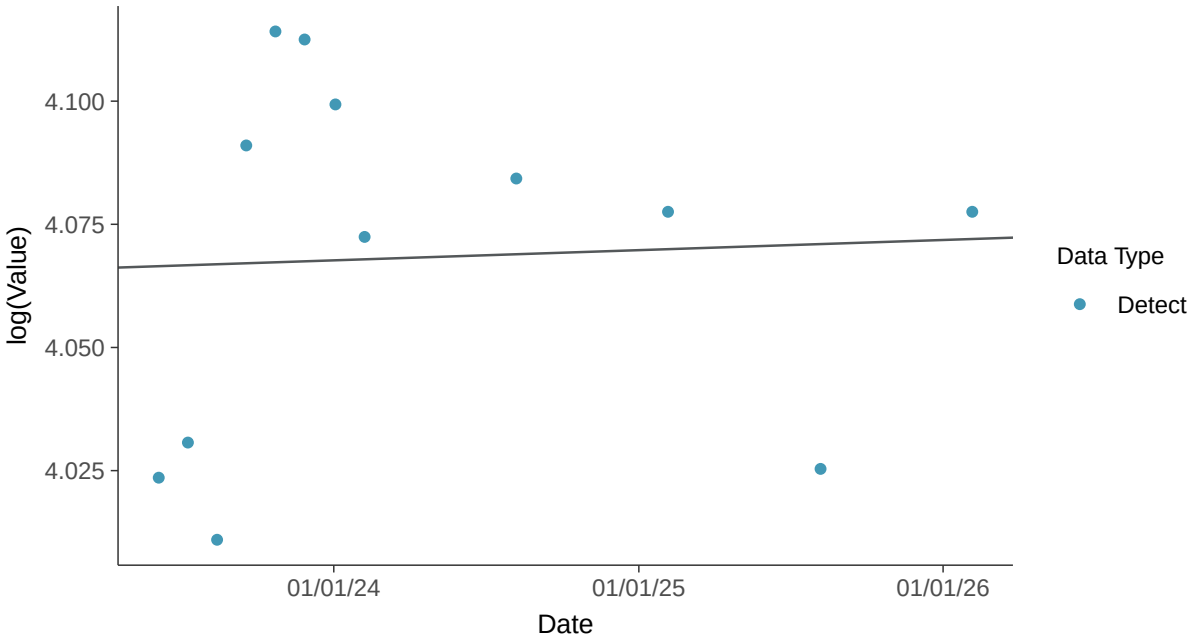
Gamma Q-Q plot

Calcium, MW-100C (mg/l)



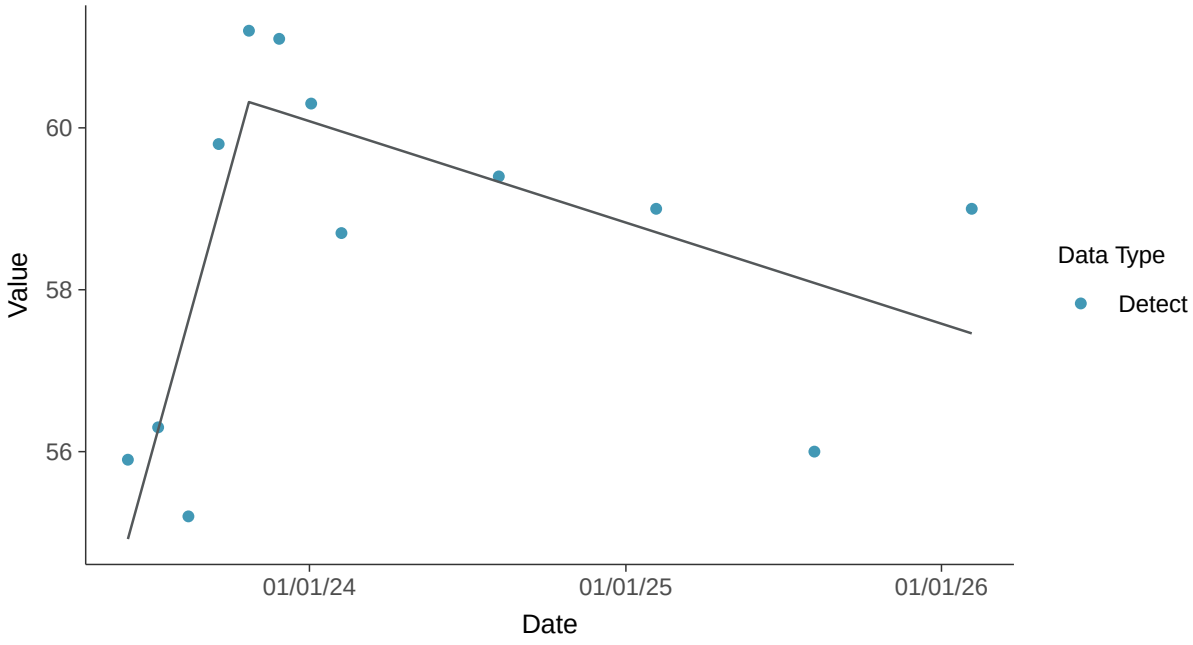
Trend Regression: Lognormal MLE

Calcium, MW-100C (mg/l)



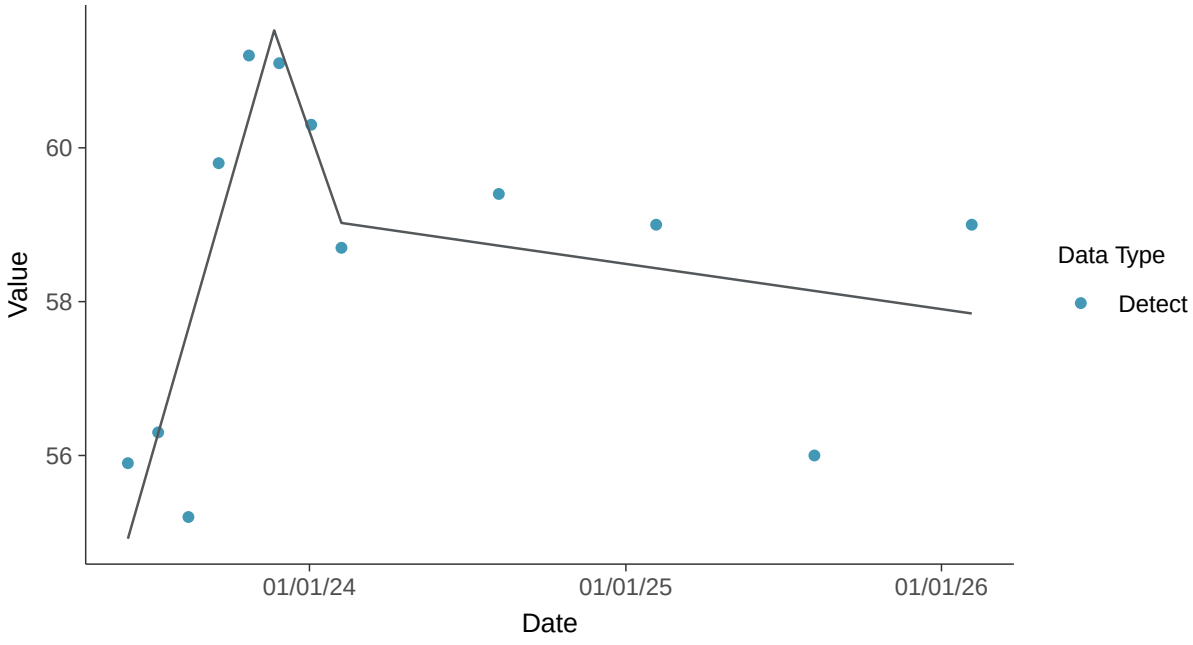
Trend Regression: Piecewise Linear-Linear

Calcium, MW-100C (mg/l)



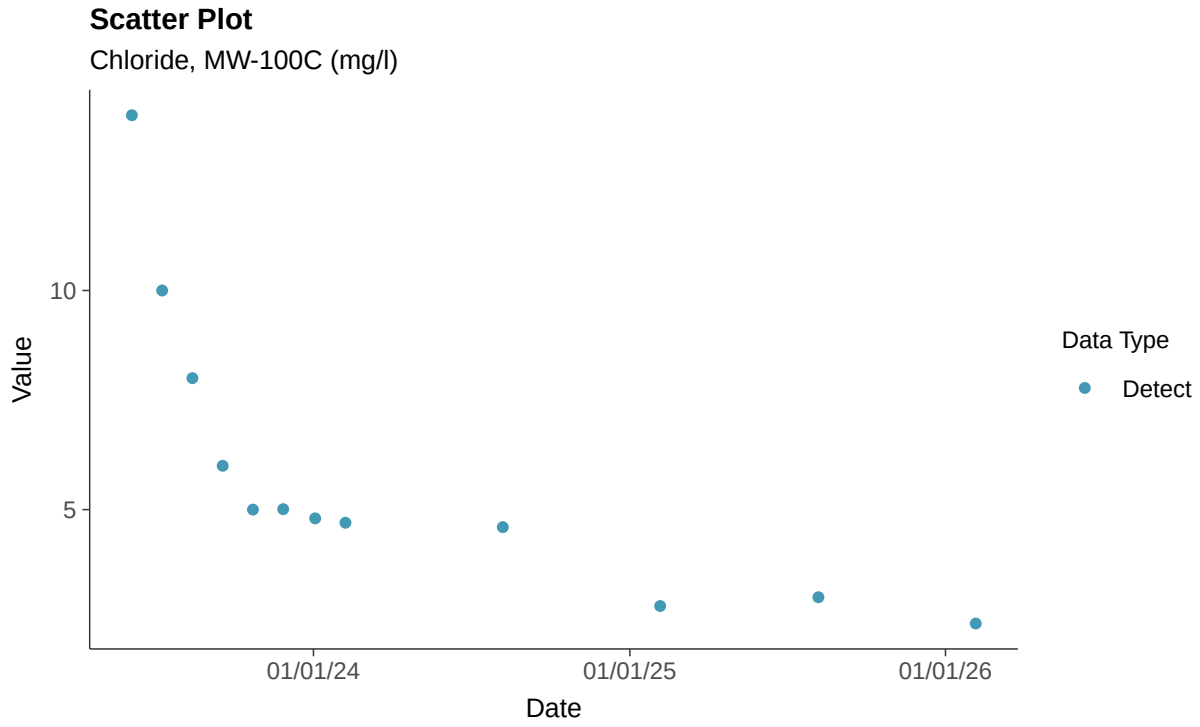
Trend Regression: Piecewise Linear-Linear-Linear

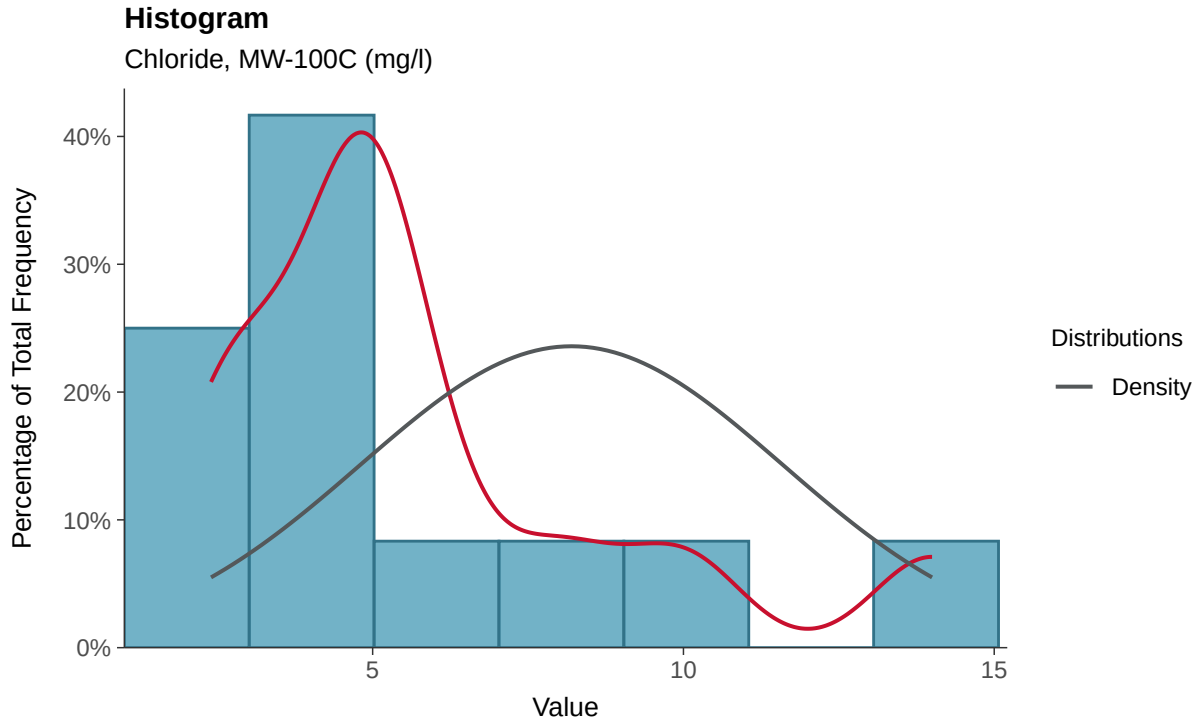
Calcium, MW-100C (mg/l)



Appendix III: Chloride, MW-100C

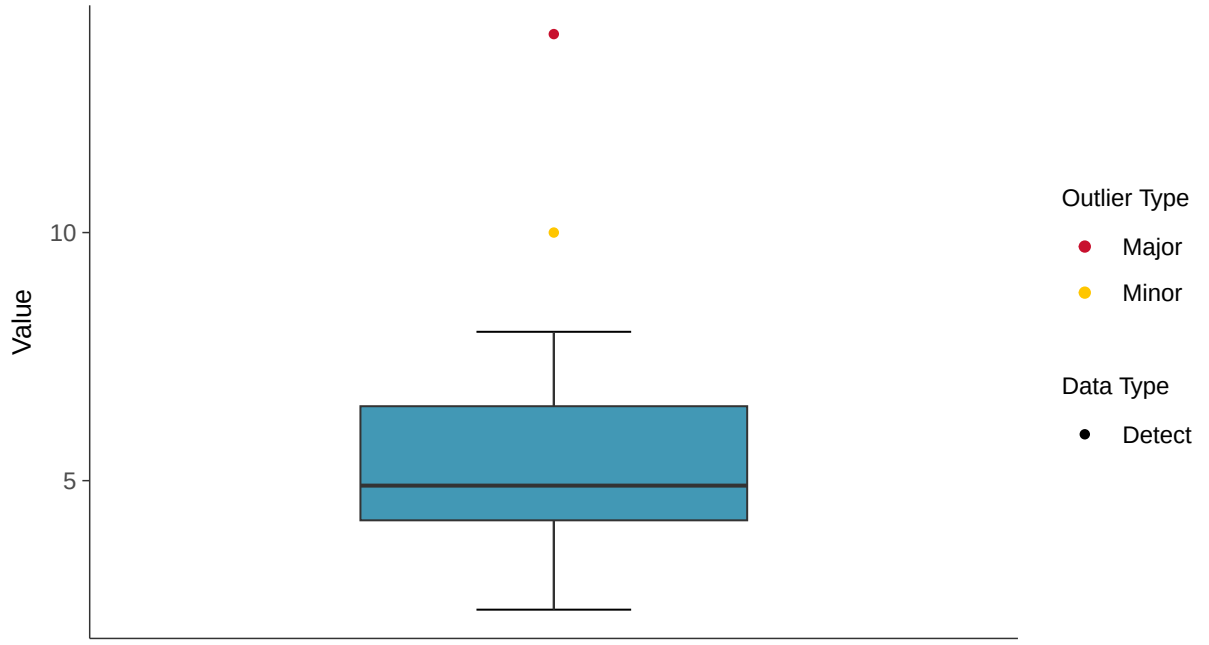
ID: 20_2_108





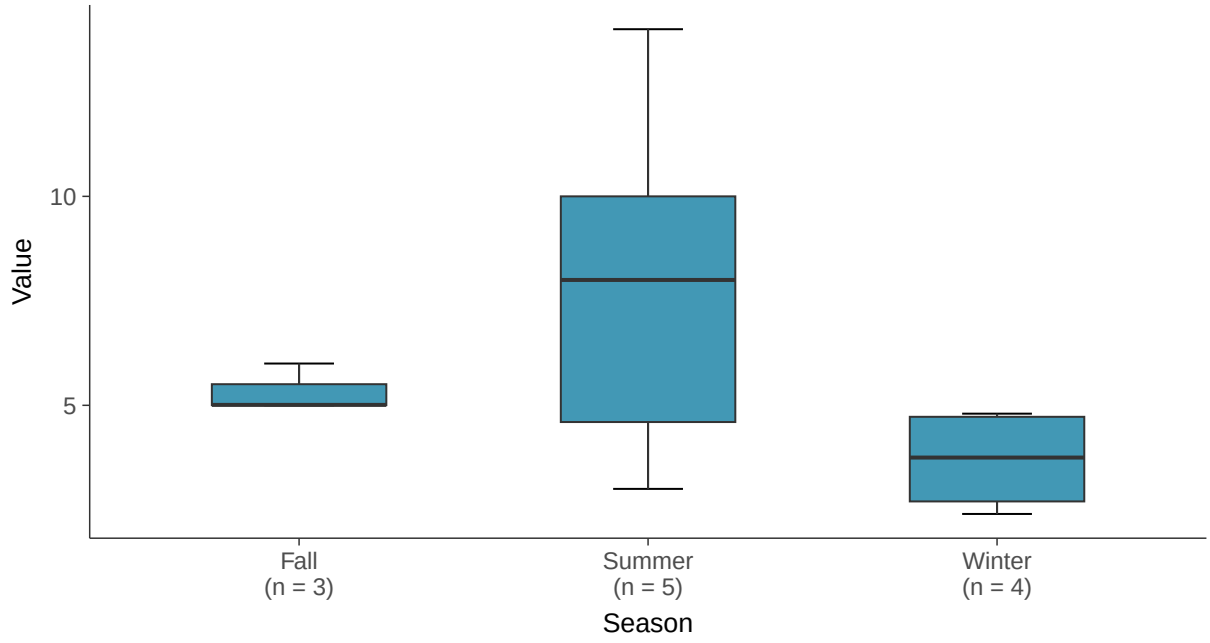
Boxplot

Chloride, MW-100C (mg/l)



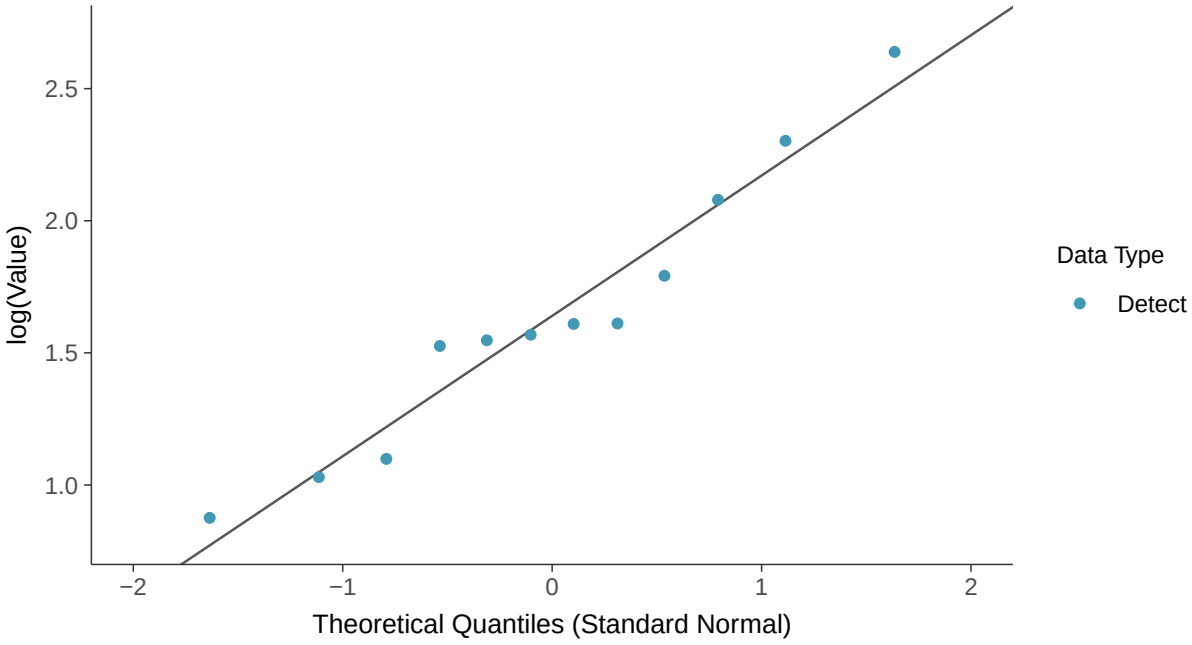
Boxplot by Season

Chloride, MW-100C (mg/l)



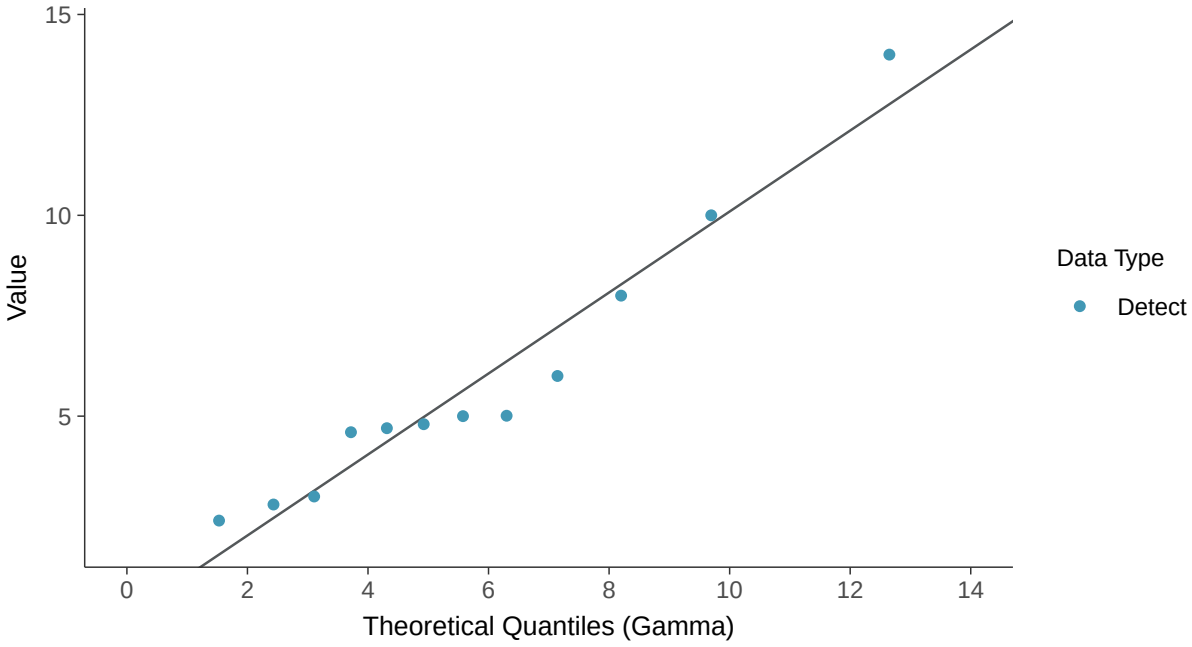
Lognormal Q-Q plot

Chloride, MW-100C (mg/l)



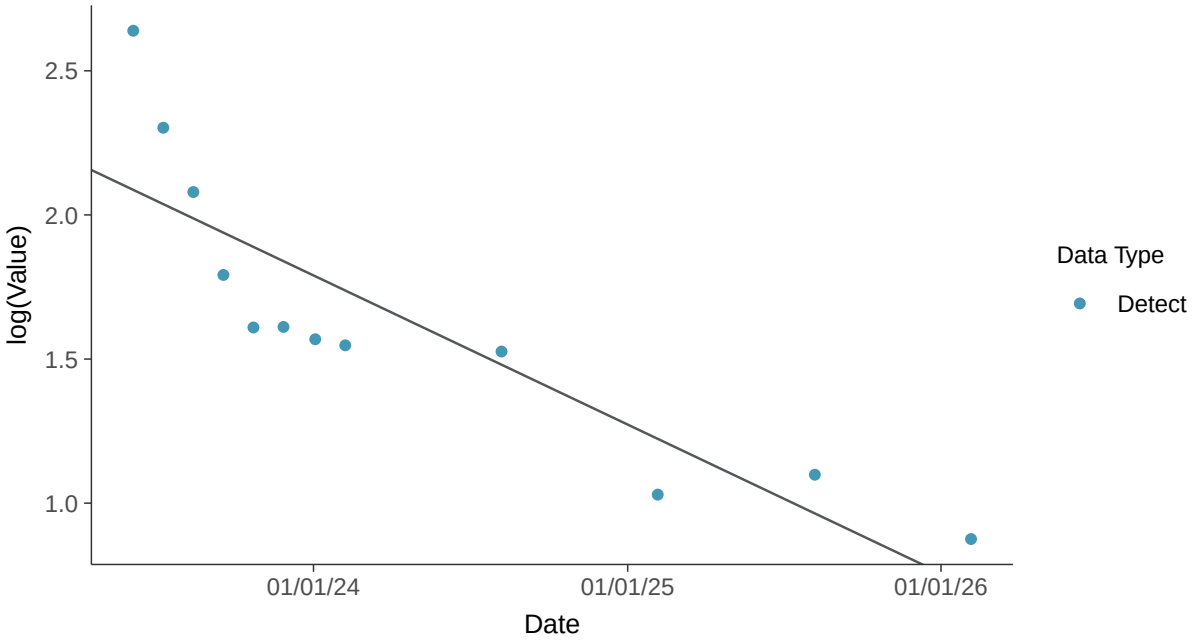
Gamma Q-Q plot

Chloride, MW-100C (mg/l)



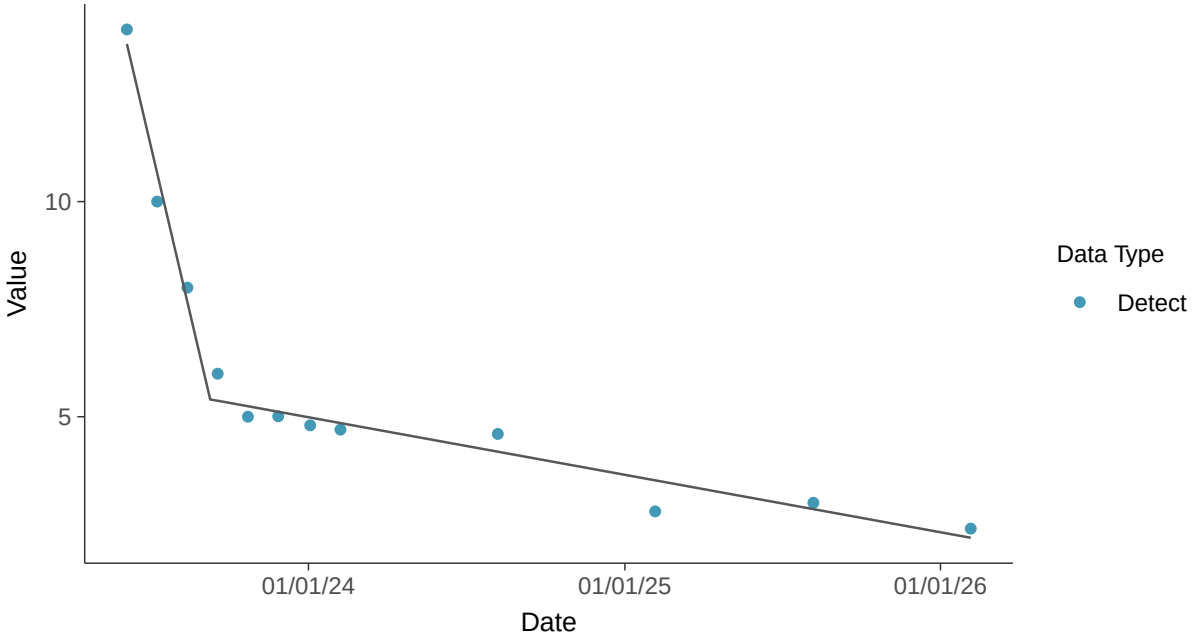
Trend Regression: Lognormal MLE

Chloride, MW-100C (mg/l)



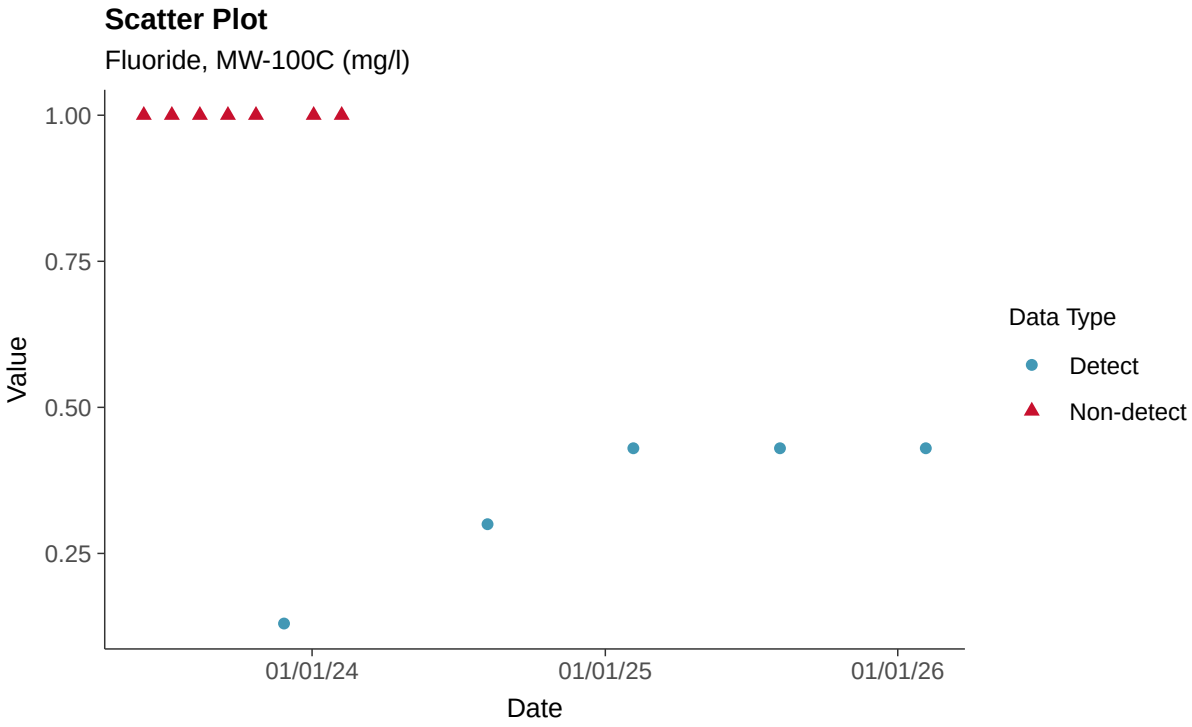
Trend Regression: Piecewise Linear-Linear

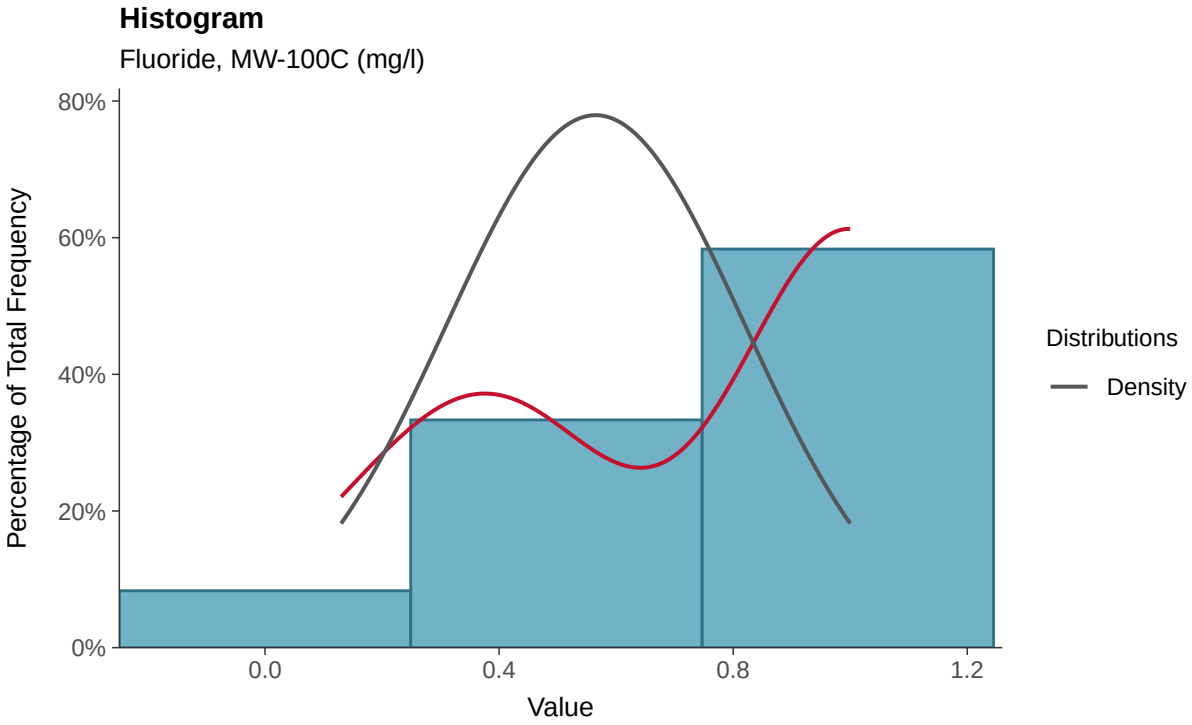
Chloride, MW-100C (mg/l)



Appendix III: Fluoride, MW-100C

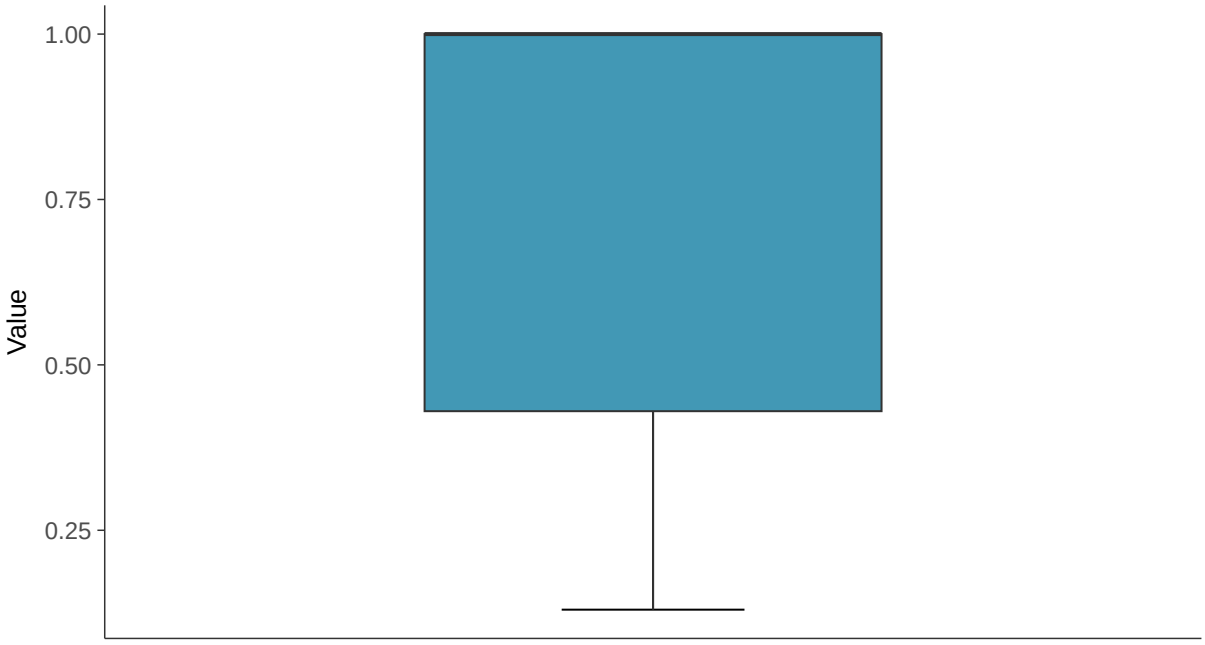
ID: 20_2_112





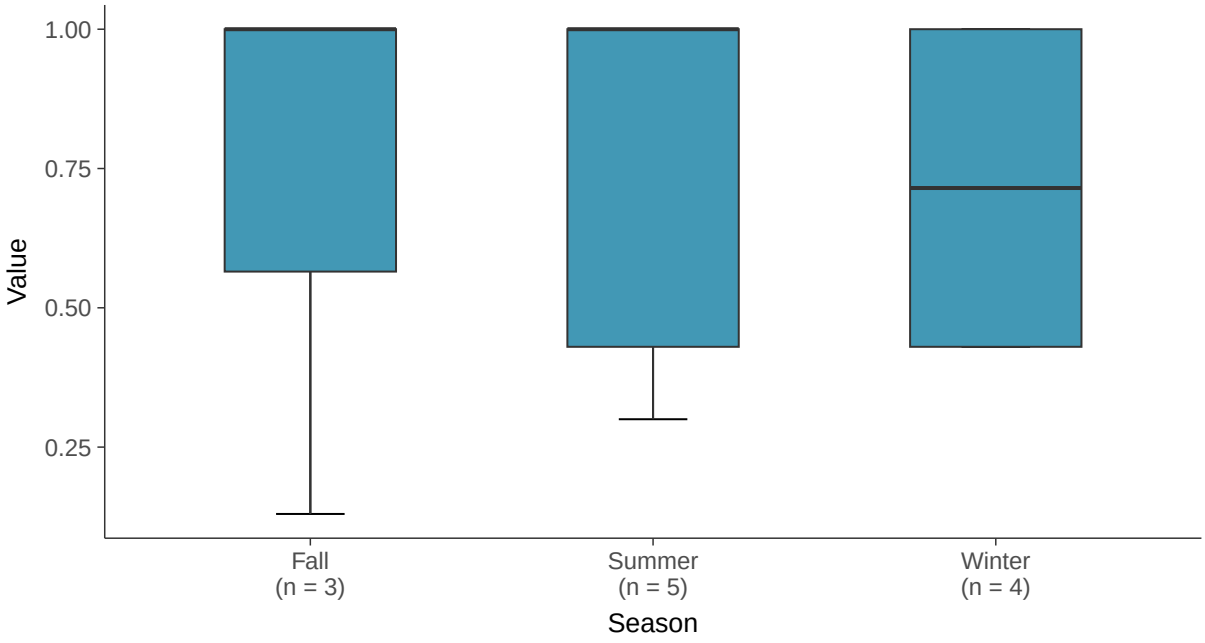
Boxplot

Fluoride, MW-100C (mg/l)



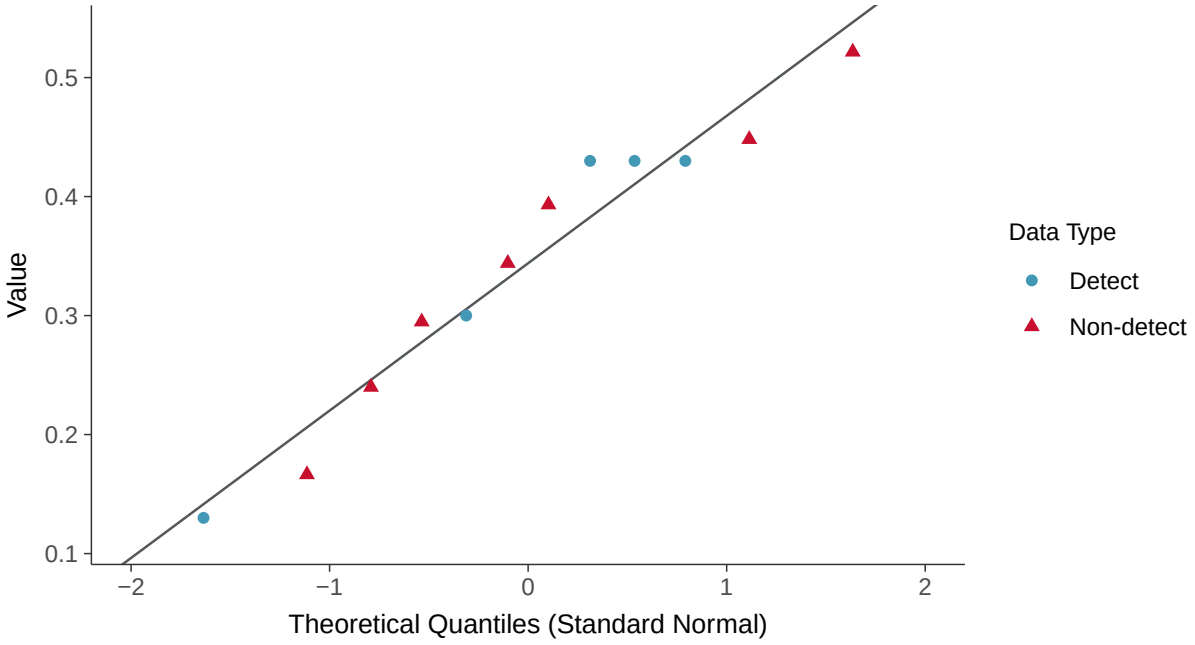
Boxplot by Season

Fluoride, MW-100C (mg/l)



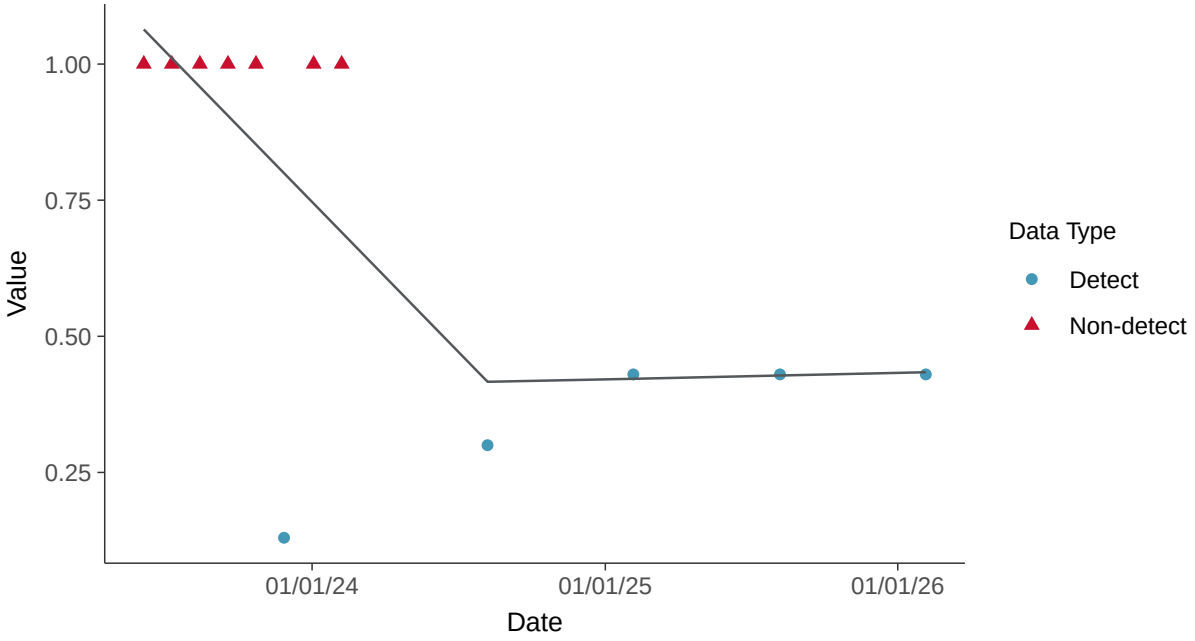
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-100C (mg/l)



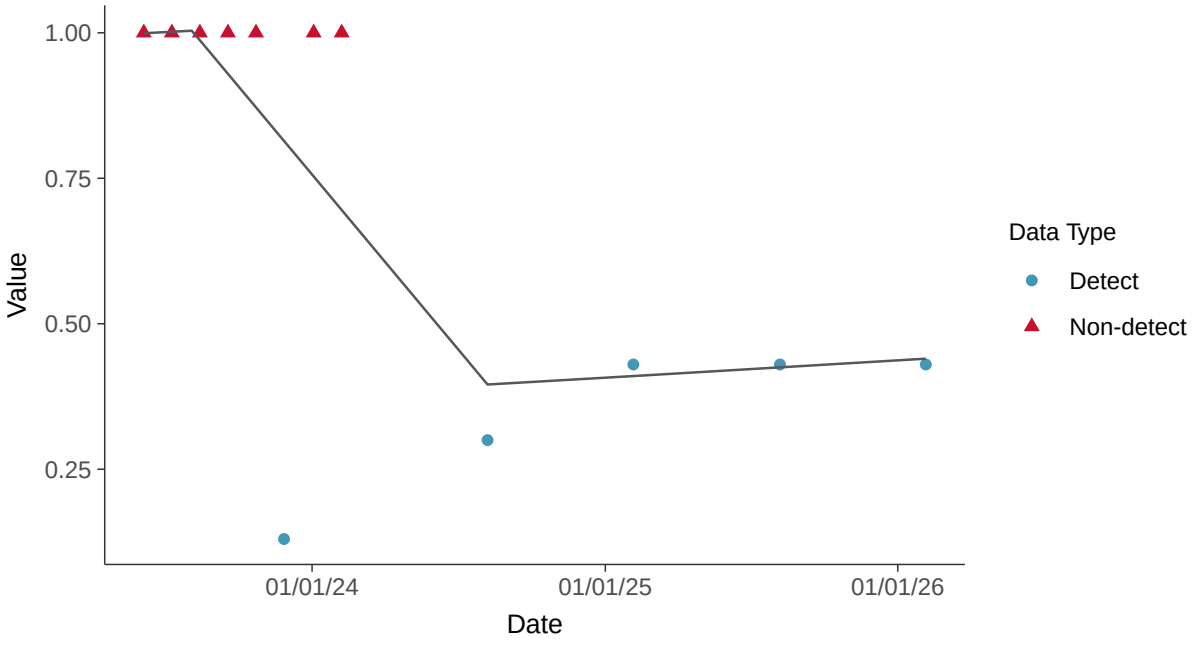
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-100C (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Fluoride, MW-100C (mg/l)

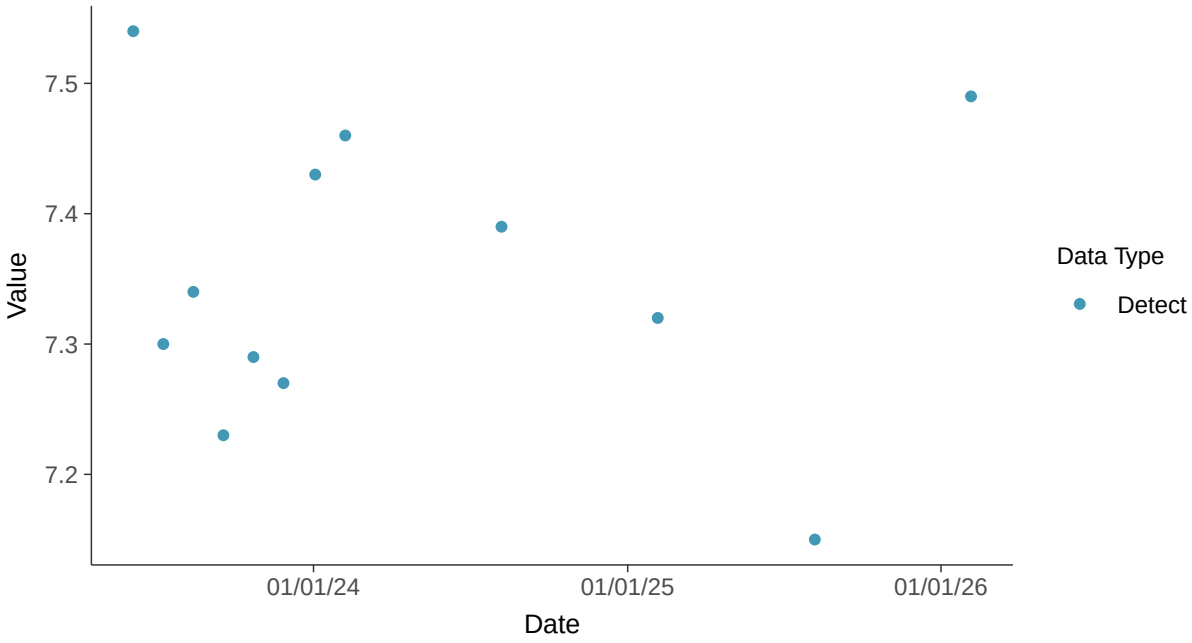


Appendix III: pH, Field, MW-100C

ID: 20_2_120

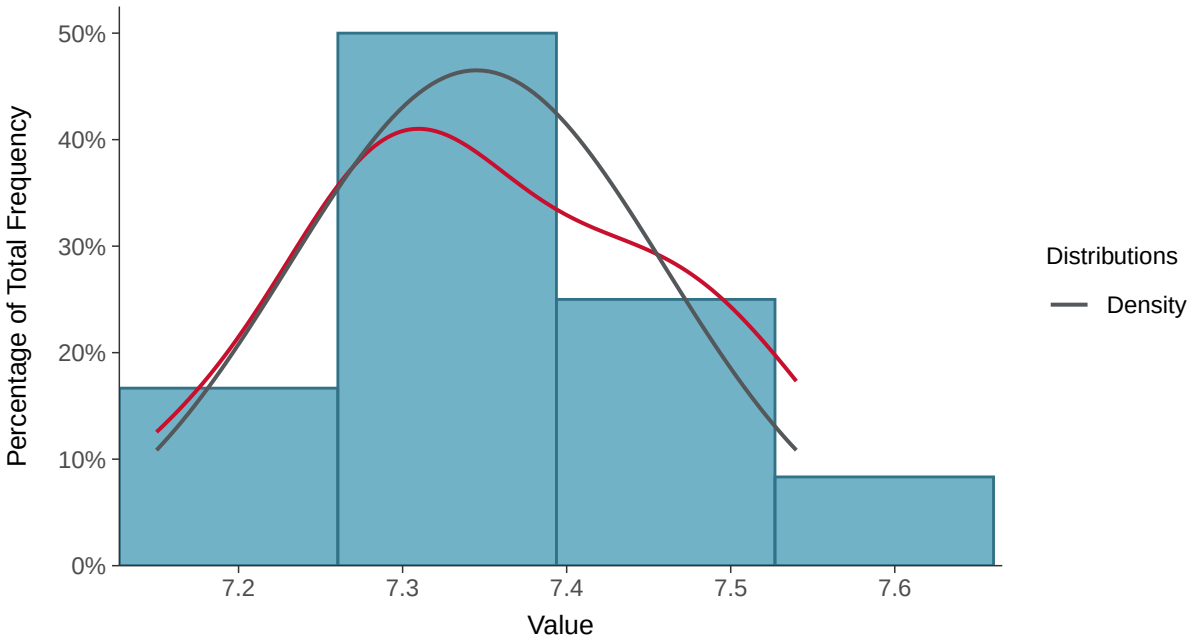
Scatter Plot

pH, Field, MW-100C (su)



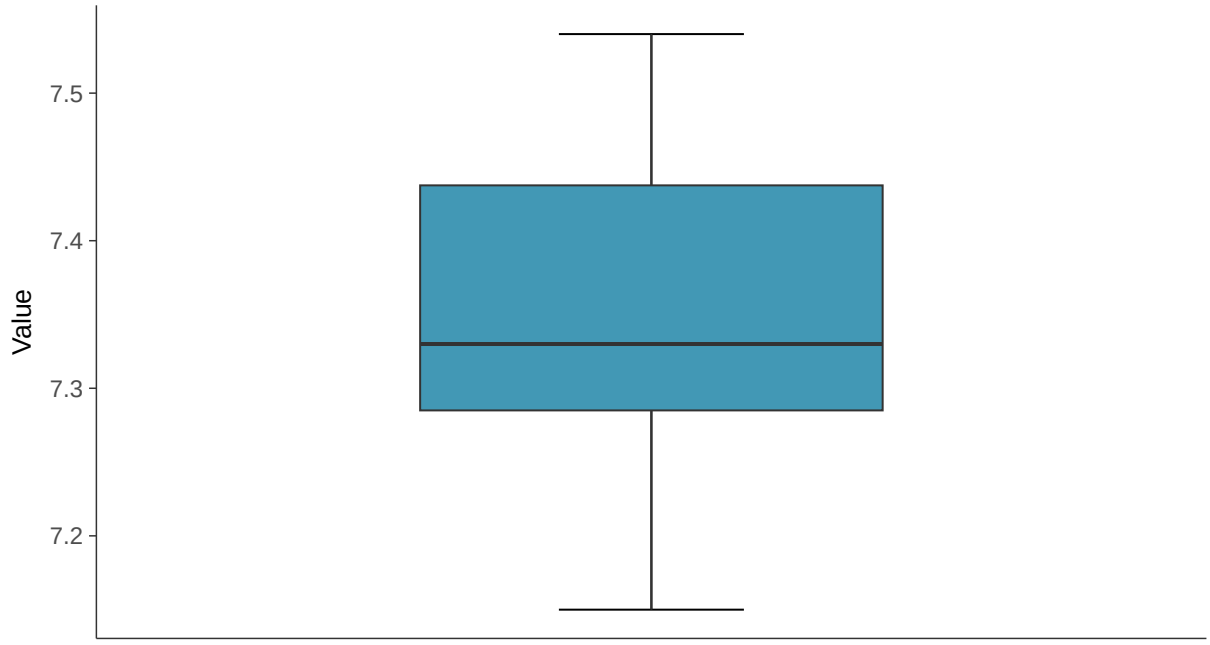
Histogram

pH, Field, MW-100C (su)



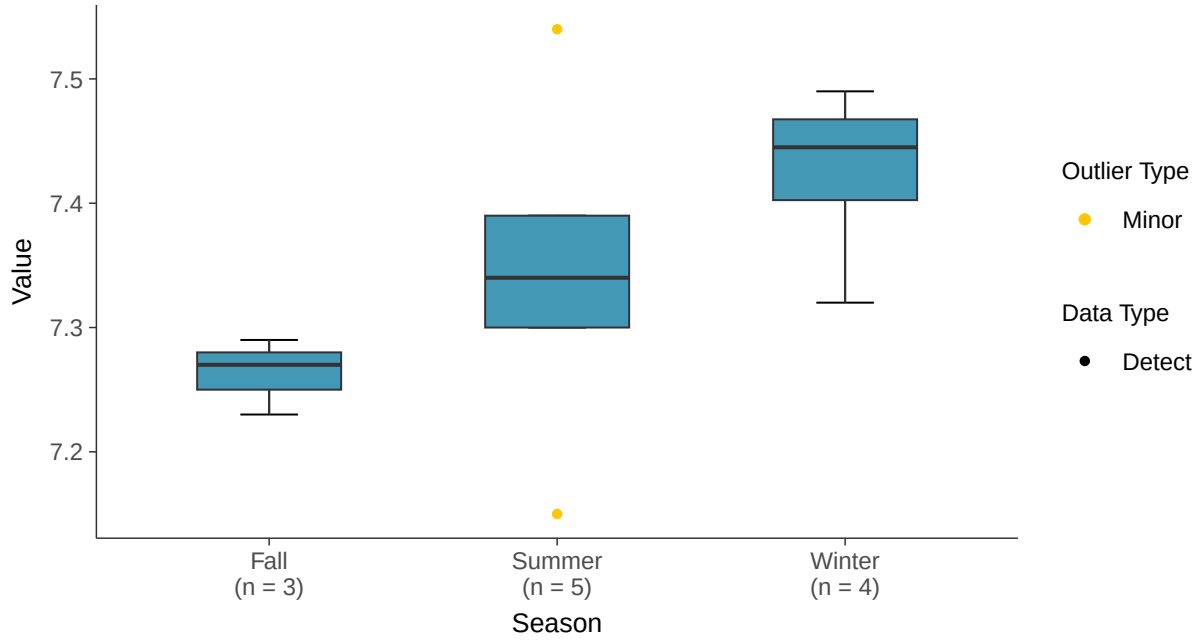
Boxplot

pH, Field, MW-100C (su)



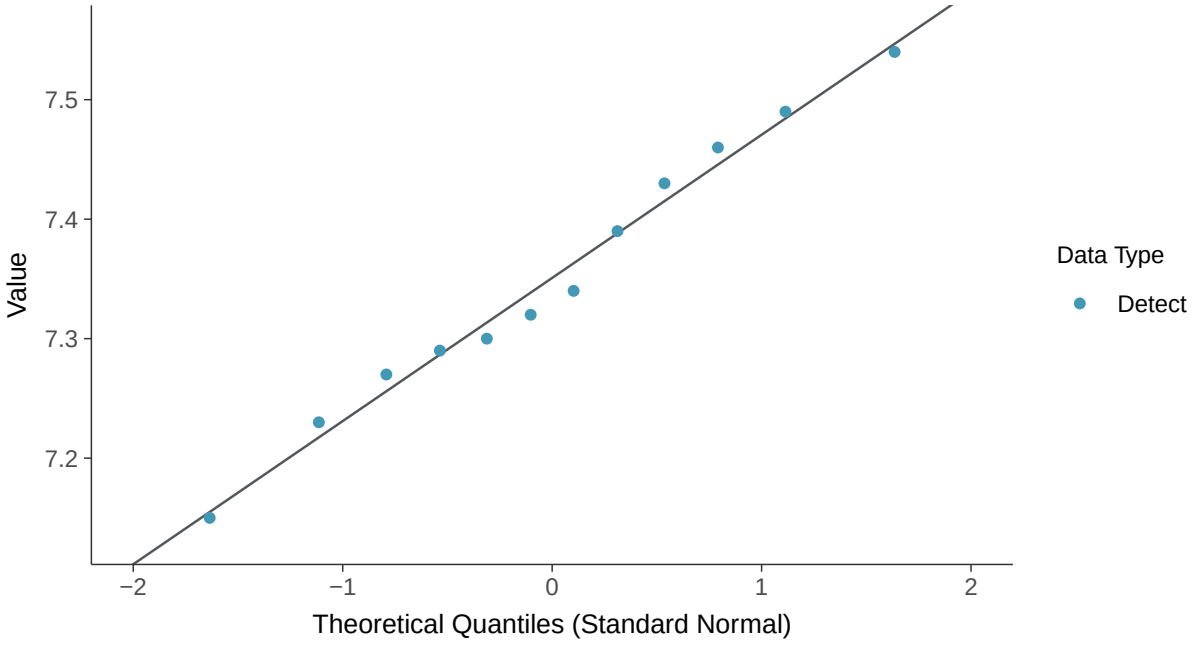
Boxplot by Season

pH, Field, MW-100C (su)



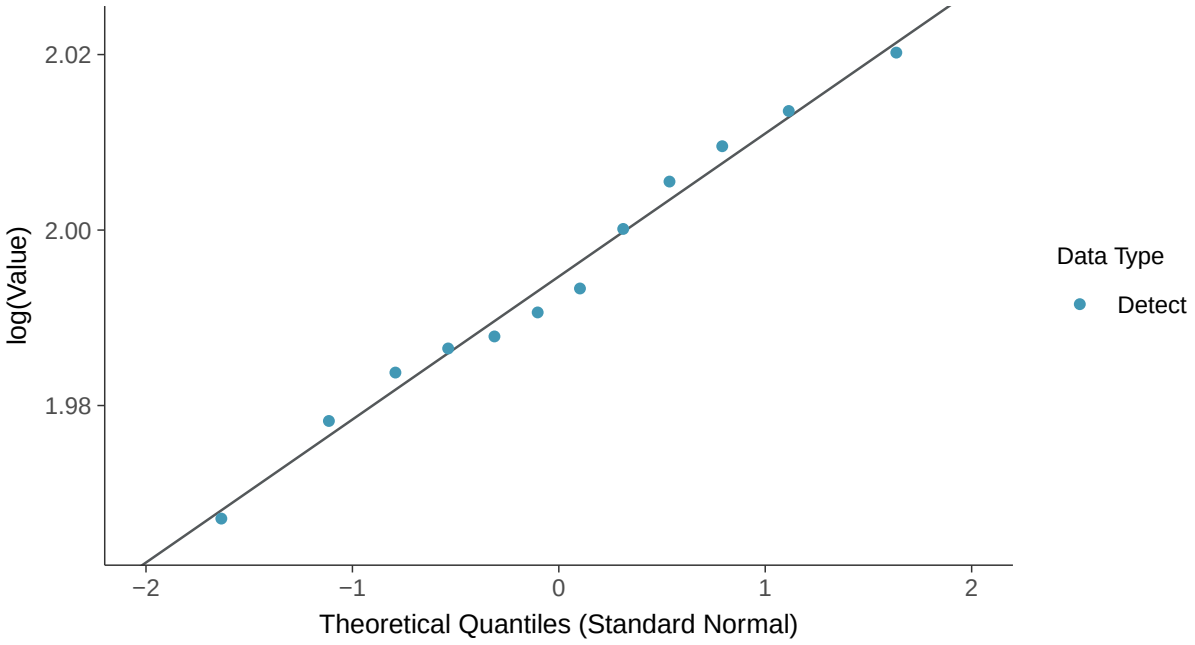
Normal Q-Q plot

pH, Field, MW-100C (su)



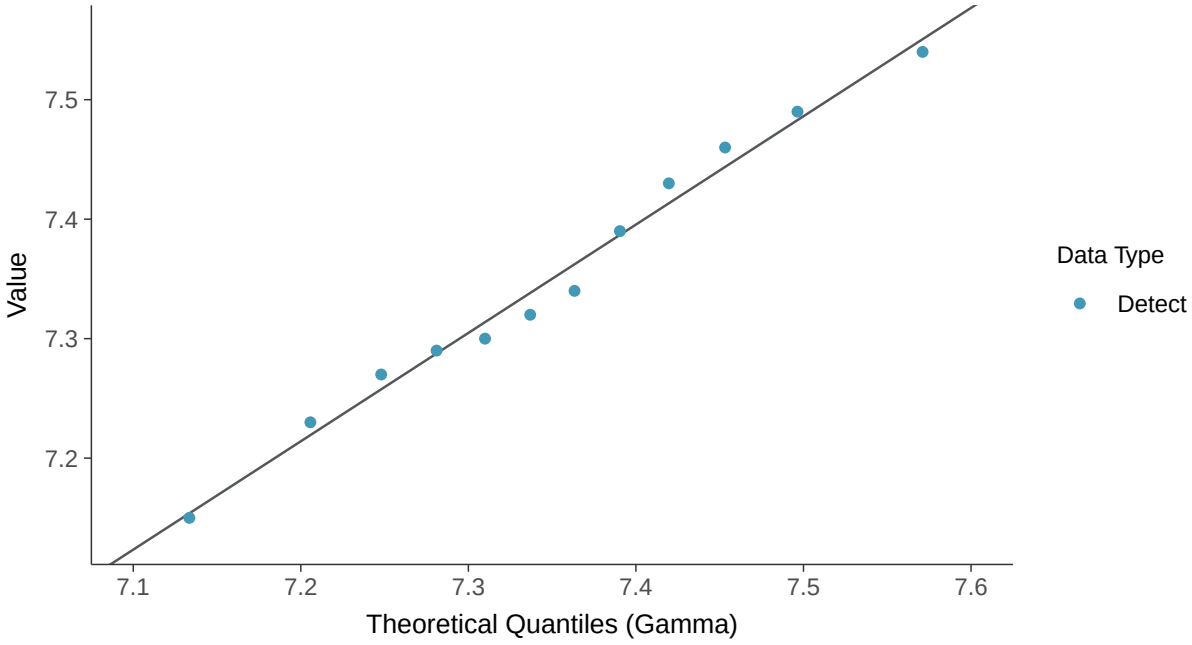
Lognormal Q-Q plot

pH, Field, MW-100C (su)



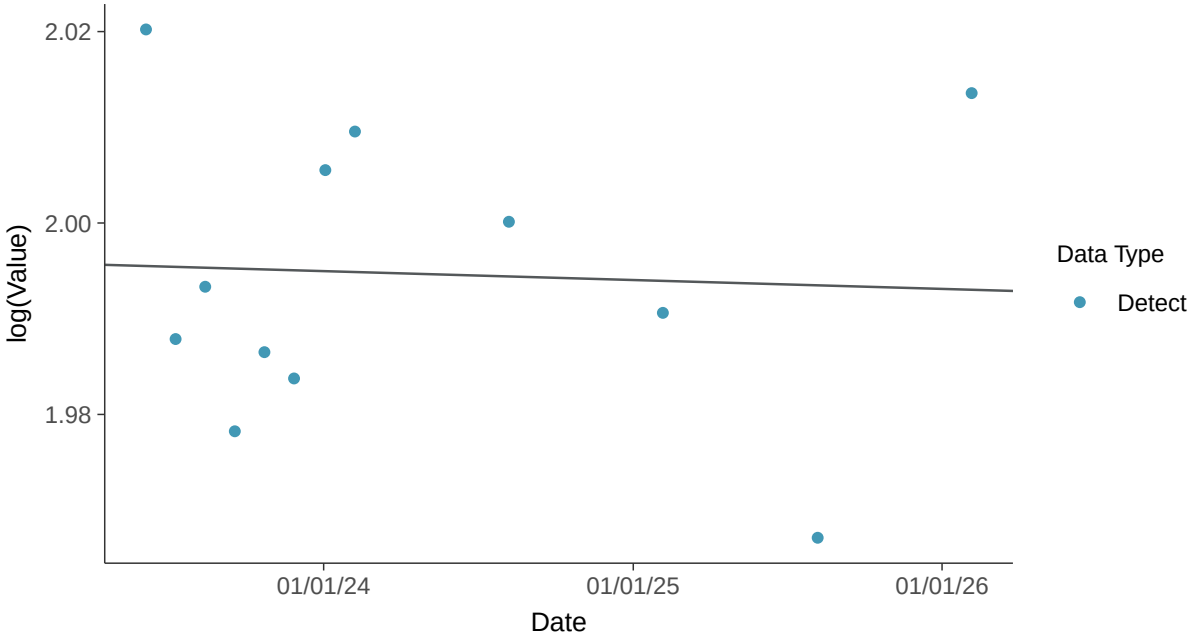
Gamma Q-Q plot

pH, Field, MW-100C (su)



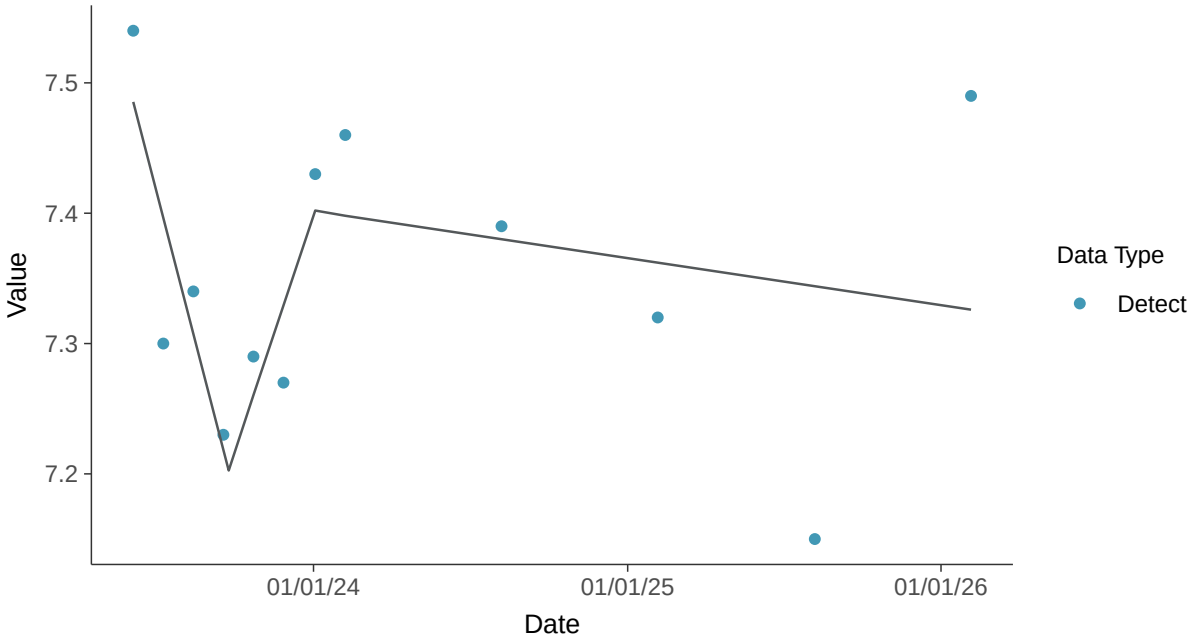
Trend Regression: Lognormal MLE

pH, Field, MW-100C (su)



Trend Regression: Piecewise Linear-Linear-Linear

pH, Field, MW-100C (su)

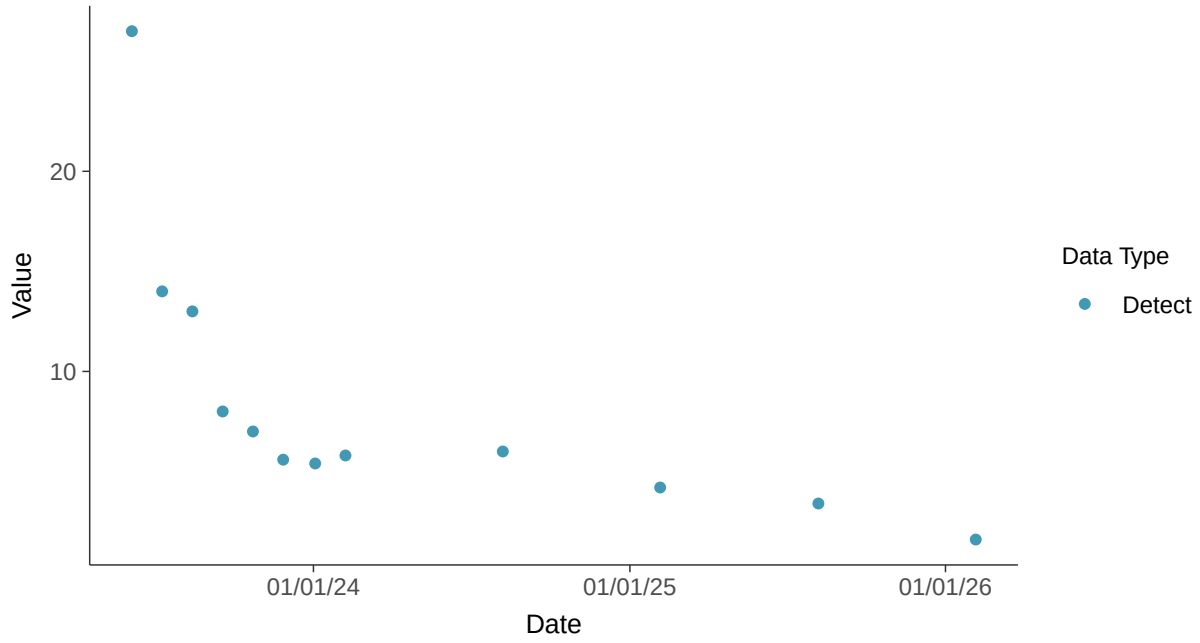


Appendix III: Sulfate, MW-100C

ID: 20_2_124

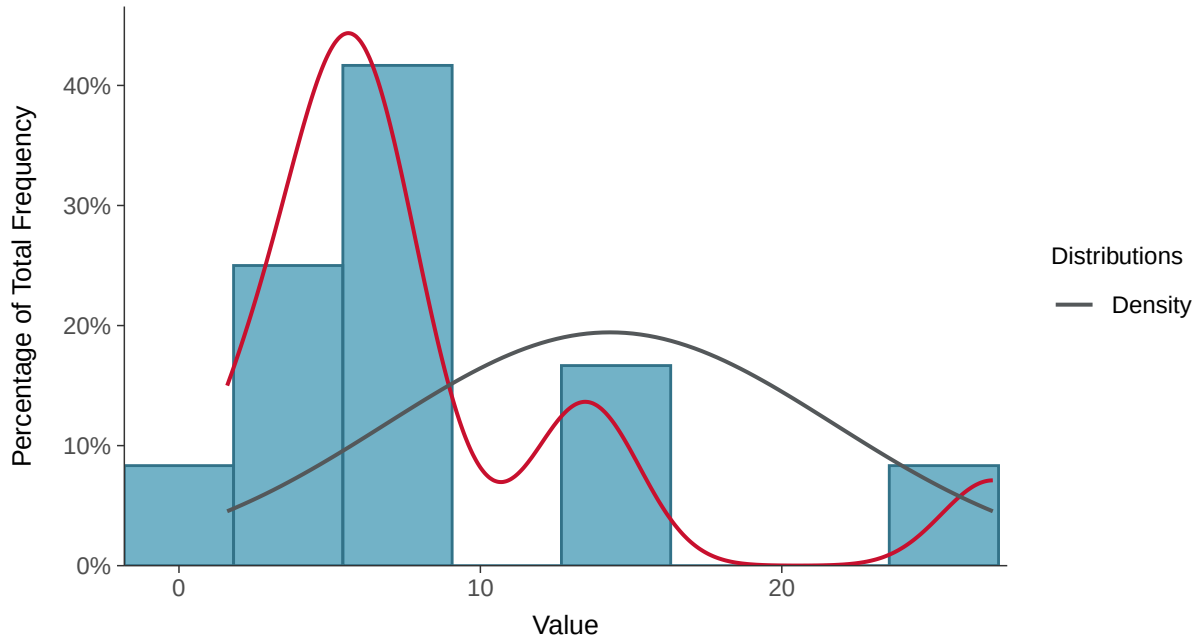
Scatter Plot

Sulfate, MW-100C (mg/l)



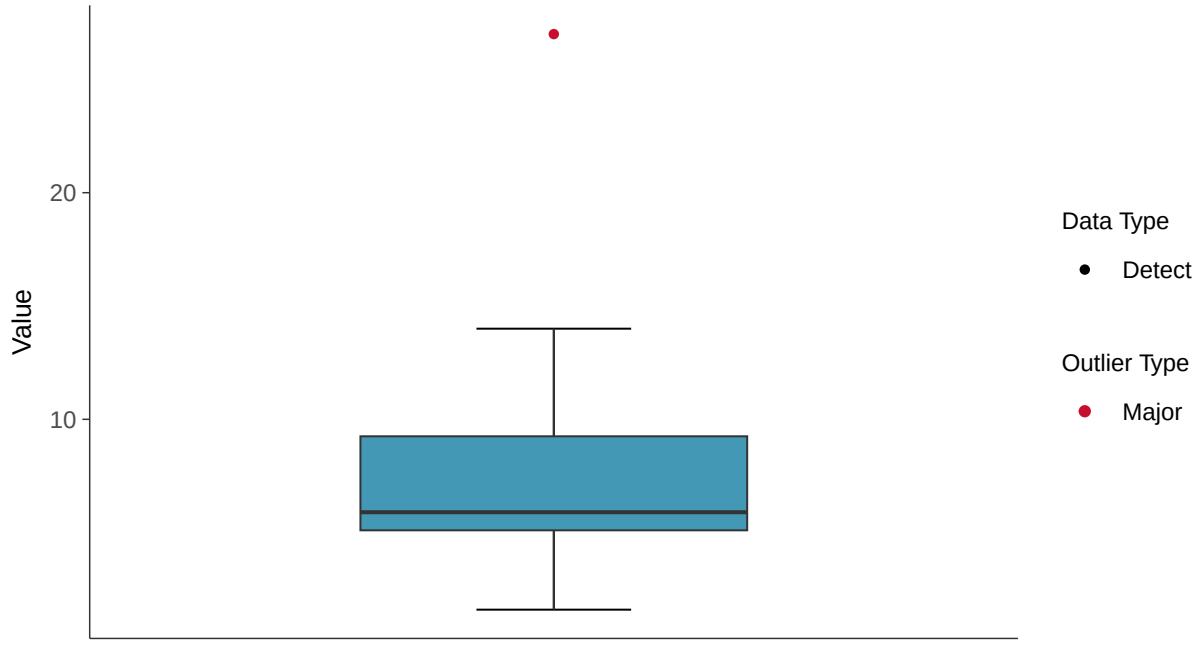
Histogram

Sulfate, MW-100C (mg/l)



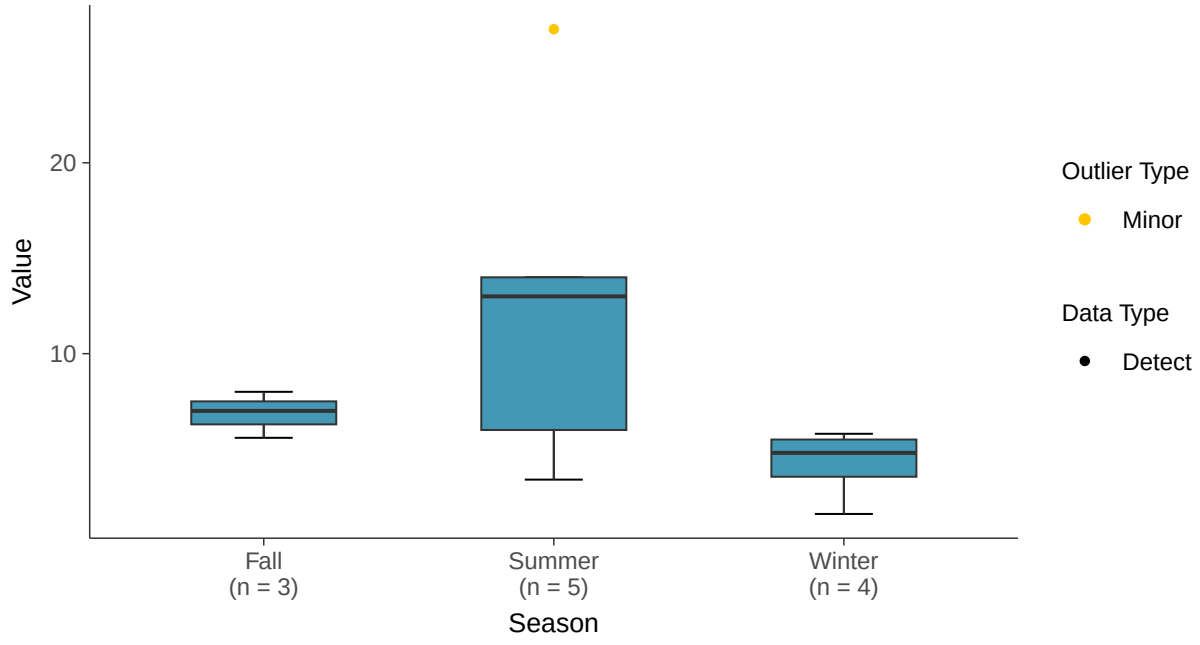
Boxplot

Sulfate, MW-100C (mg/l)



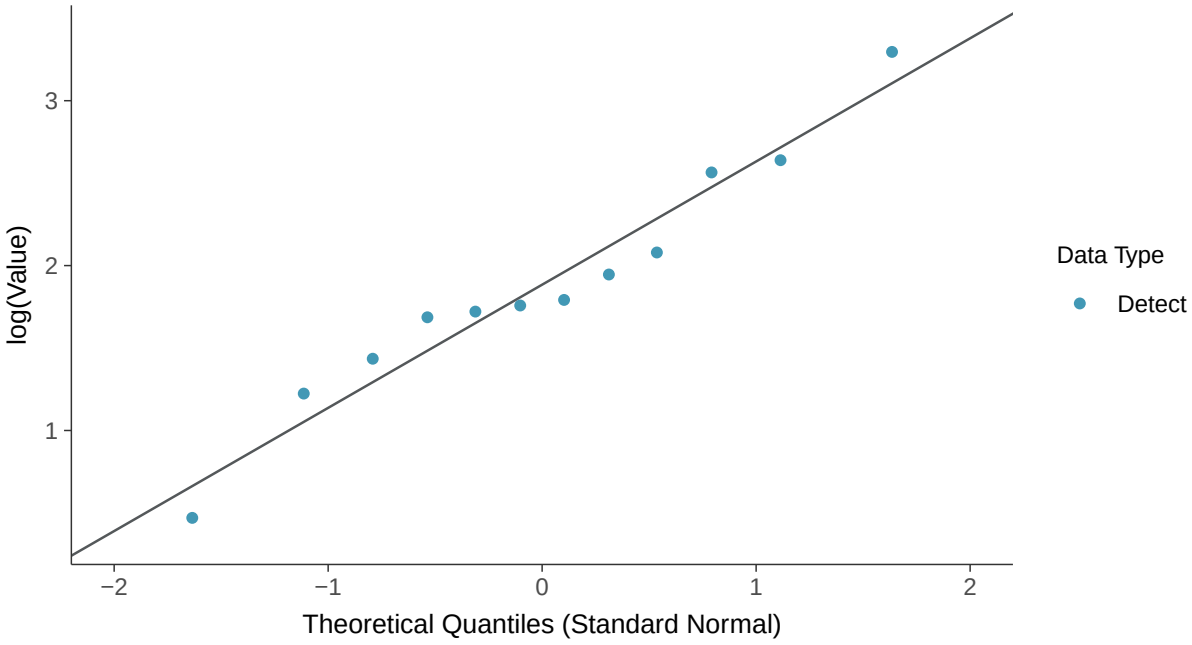
Boxplot by Season

Sulfate, MW-100C (mg/l)



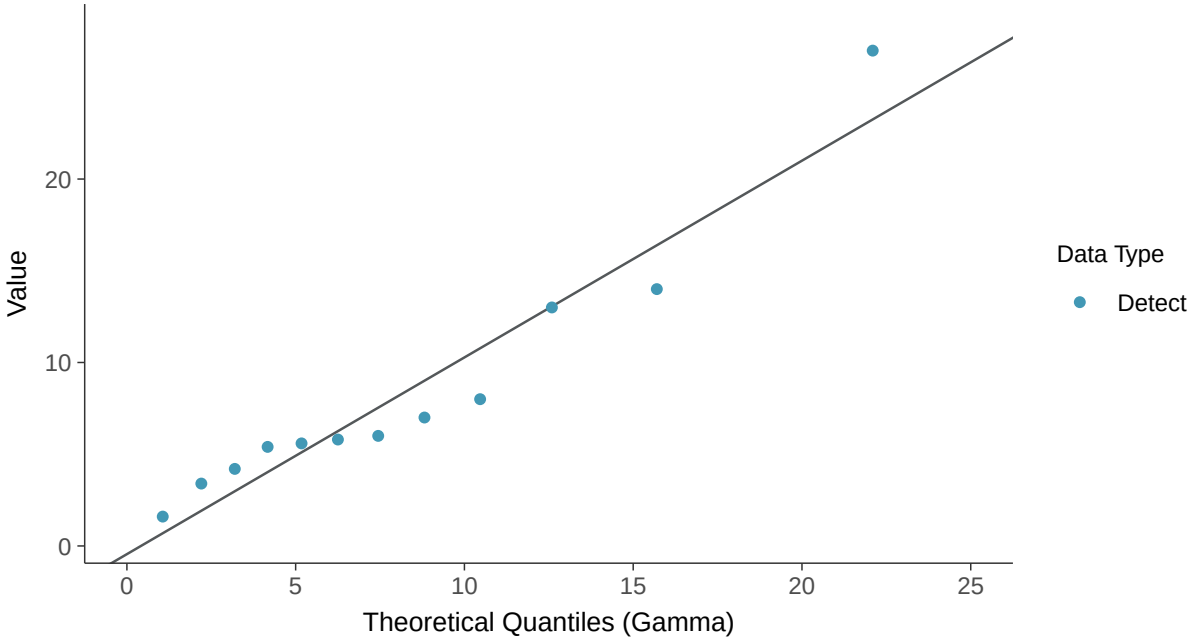
Lognormal Q-Q plot

Sulfate, MW-100C (mg/l)



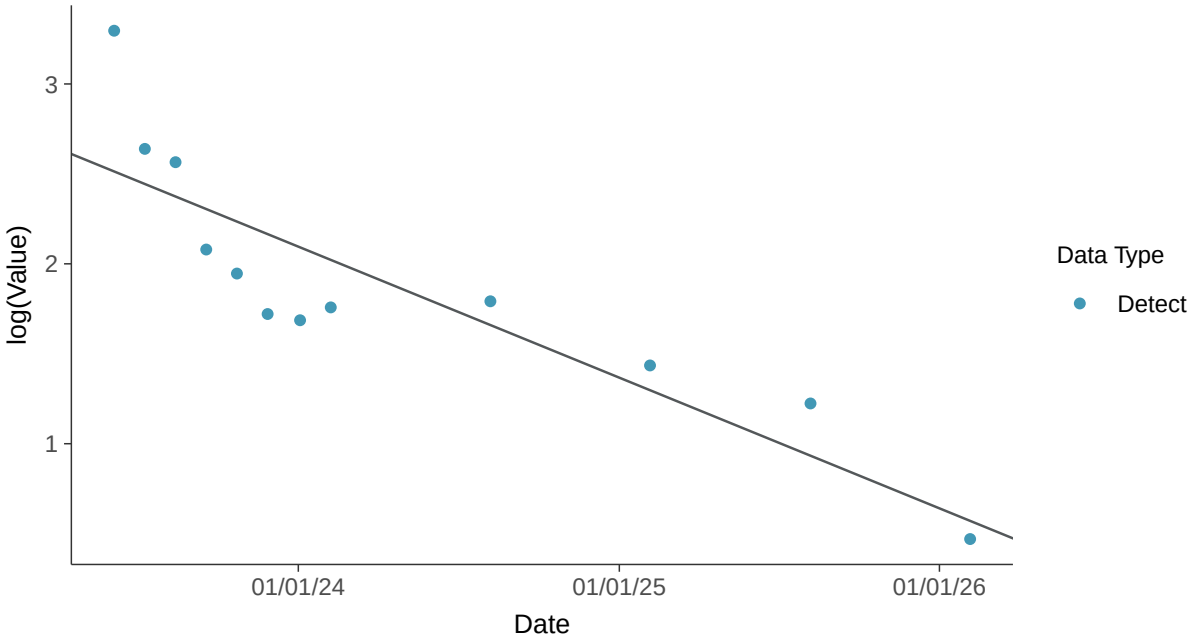
Gamma Q-Q plot

Sulfate, MW-100C (mg/l)



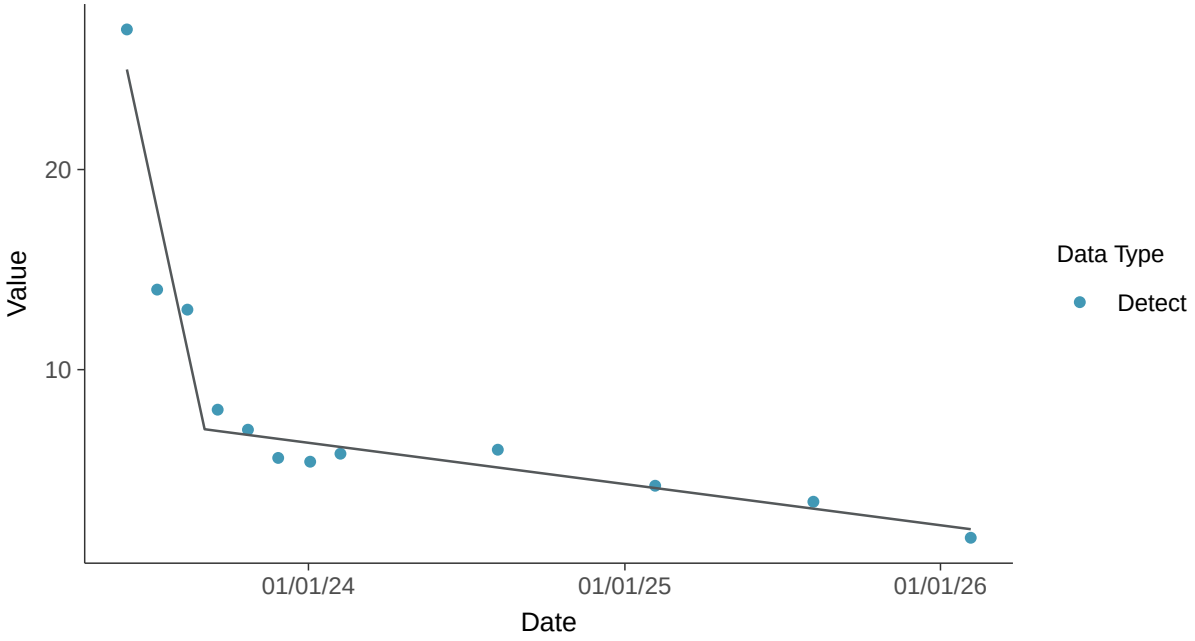
Trend Regression: Lognormal MLE

Sulfate, MW-100C (mg/l)



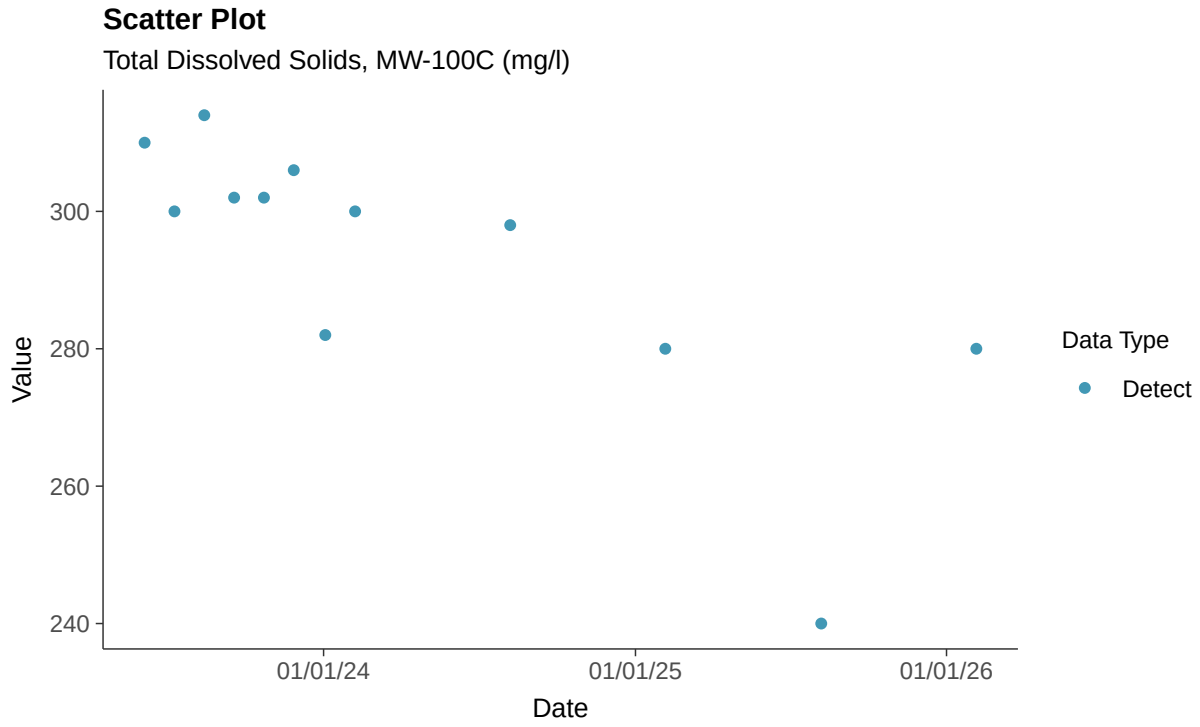
Trend Regression: Piecewise Linear-Linear

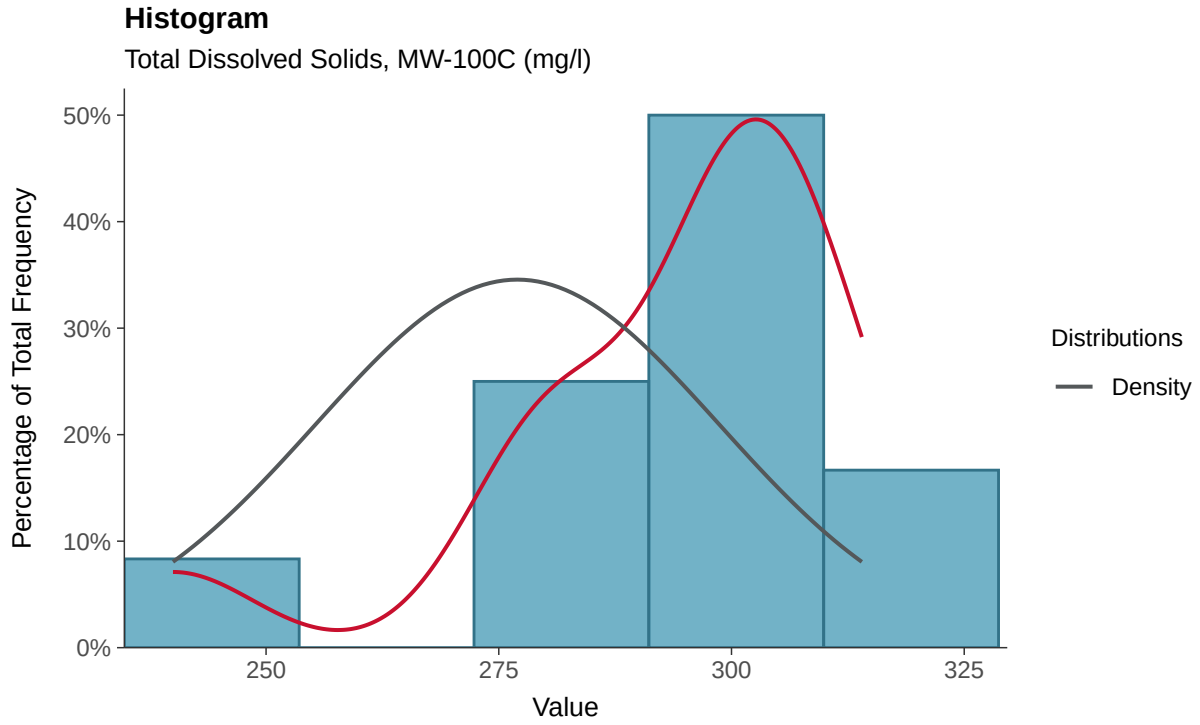
Sulfate, MW-100C (mg/l)



Appendix III: Total Dissolved Solids, MW-100C

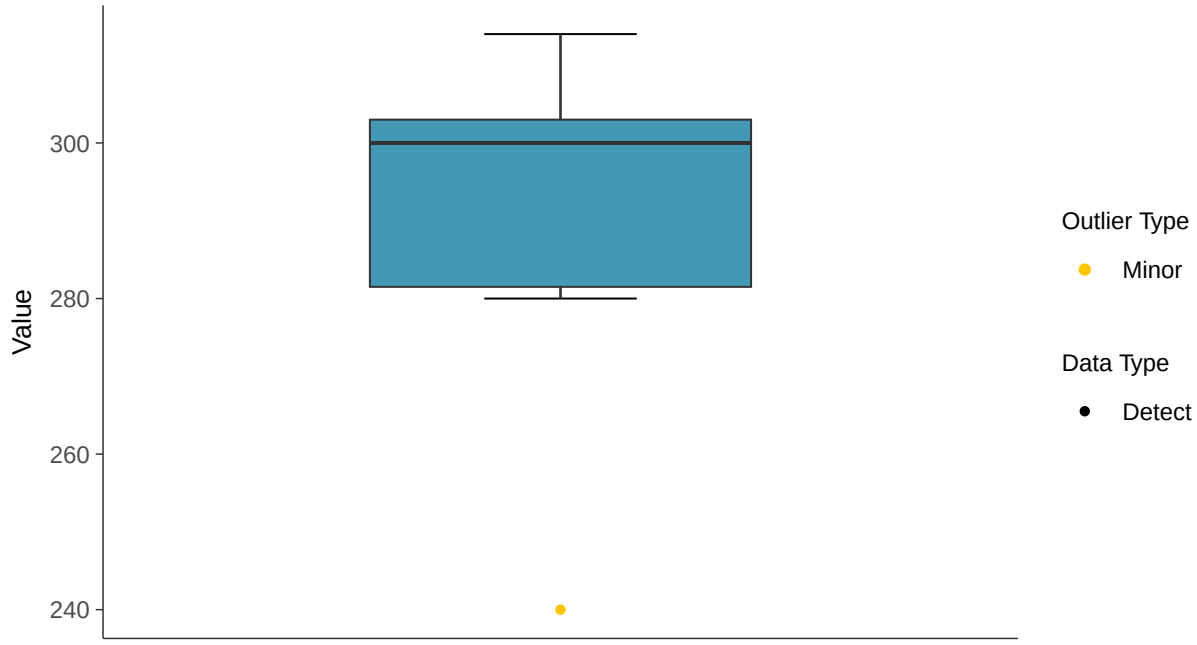
ID: 20_2_126





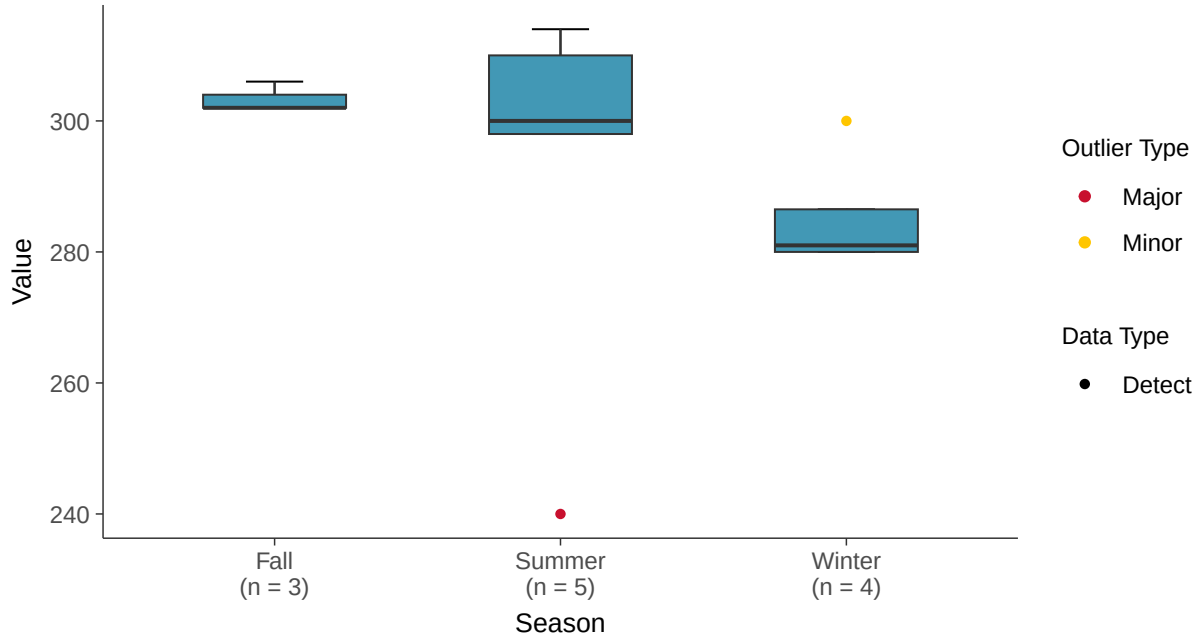
Boxplot

Total Dissolved Solids, MW-100C (mg/l)



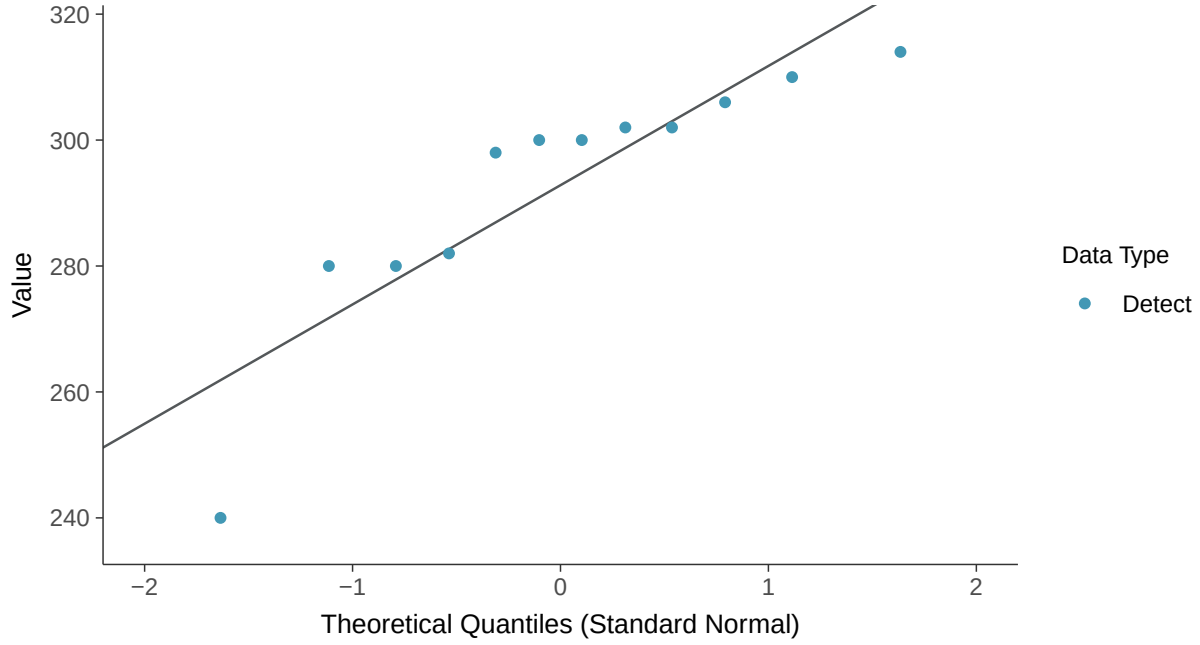
Boxplot by Season

Total Dissolved Solids, MW-100C (mg/l)



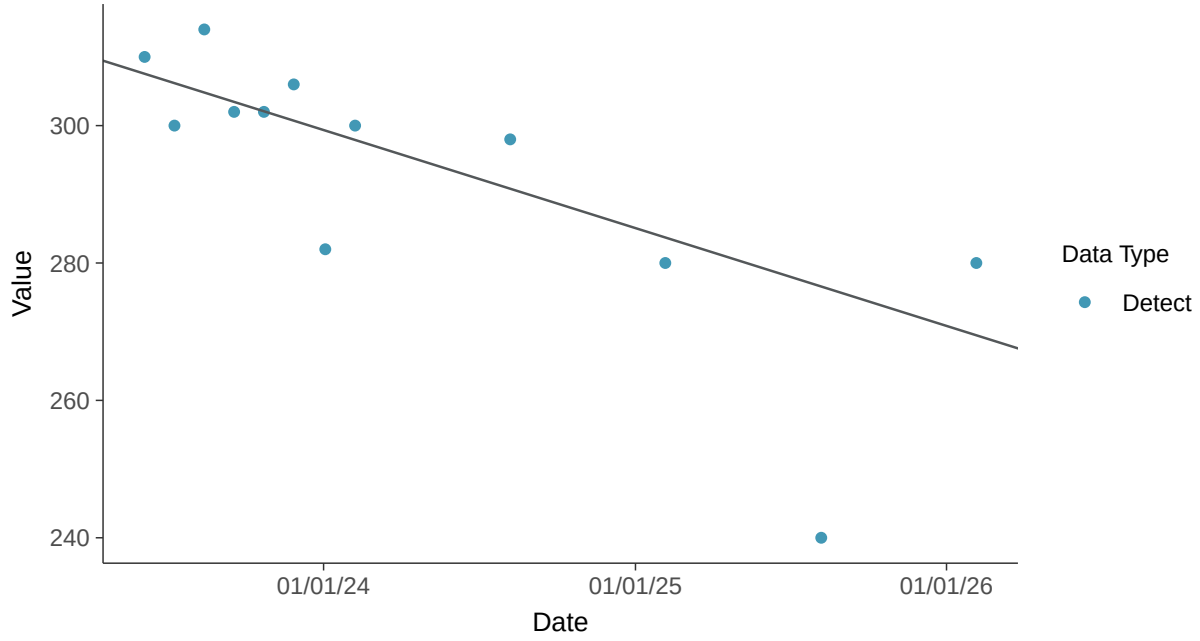
Normal Q-Q plot

Total Dissolved Solids, MW-100C (mg/l)



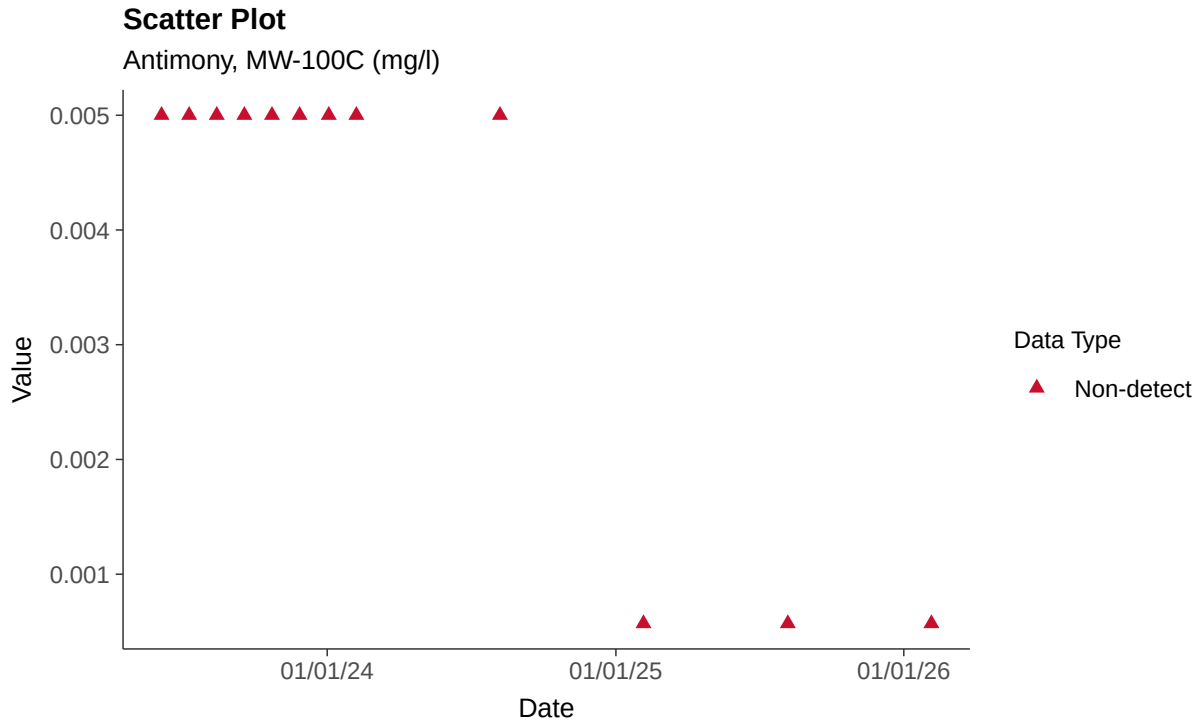
Trend Regression: Mann-Kendall/Theil-Sen Estimate

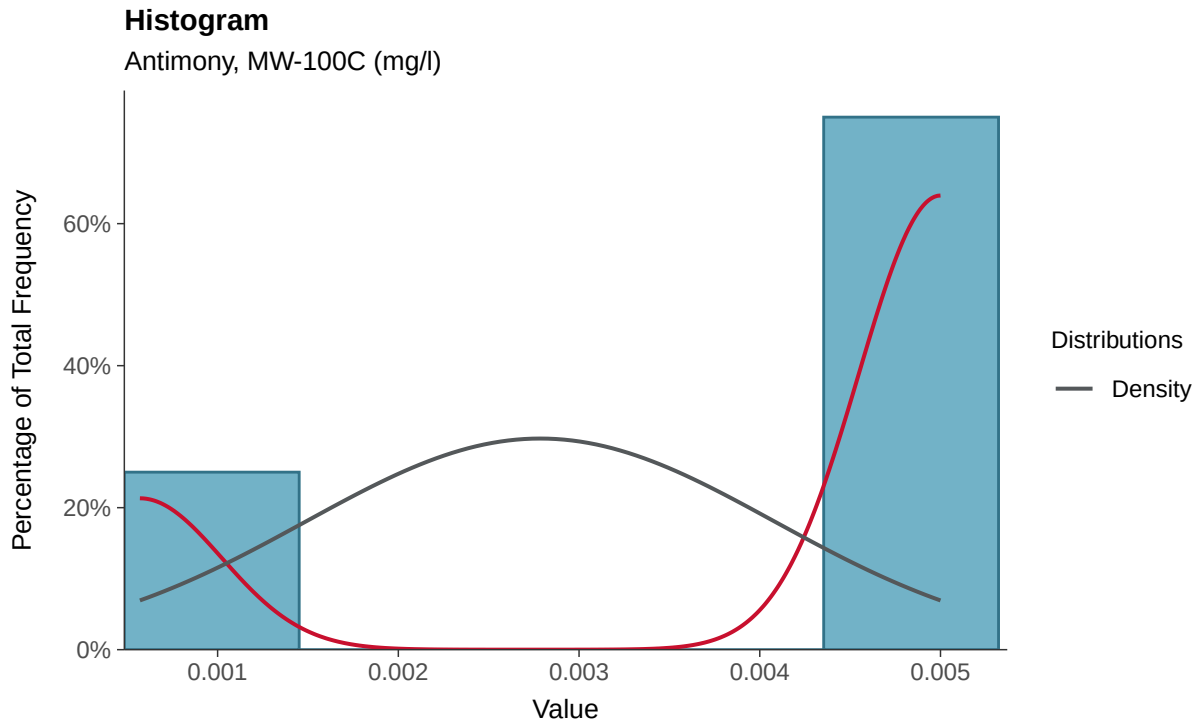
Total Dissolved Solids, MW-100C (mg/l)



Appendix IV: Antimony, MW-100C

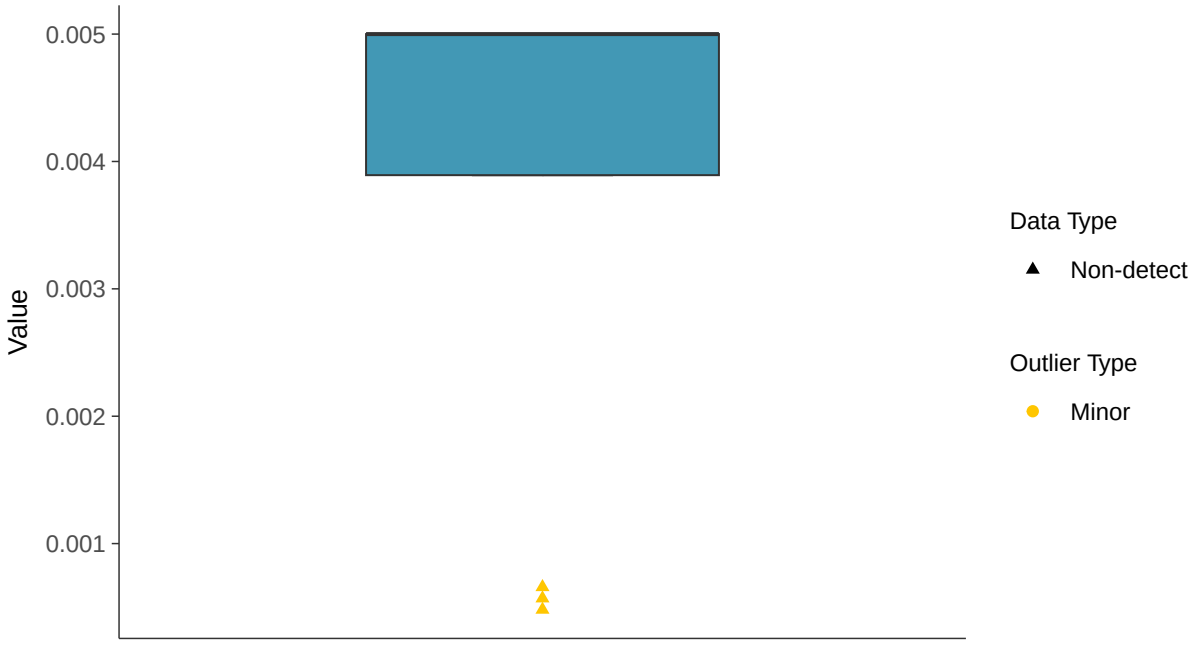
ID: 20_3_101





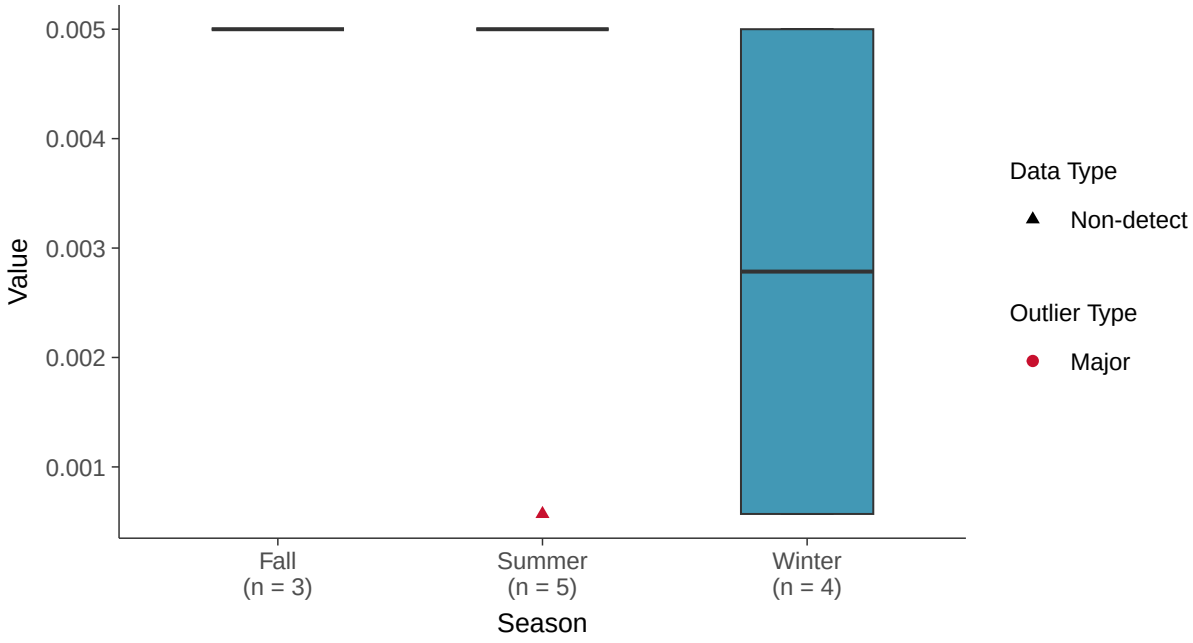
Boxplot

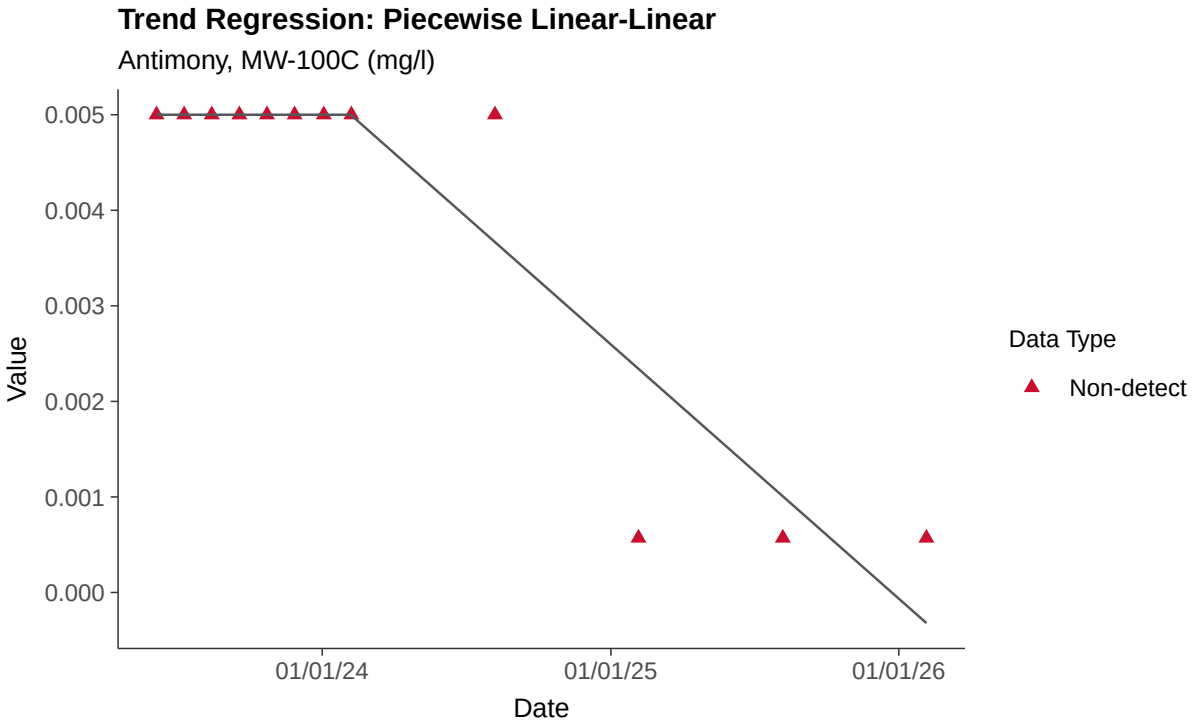
Antimony, MW-100C (mg/l)



Boxplot by Season

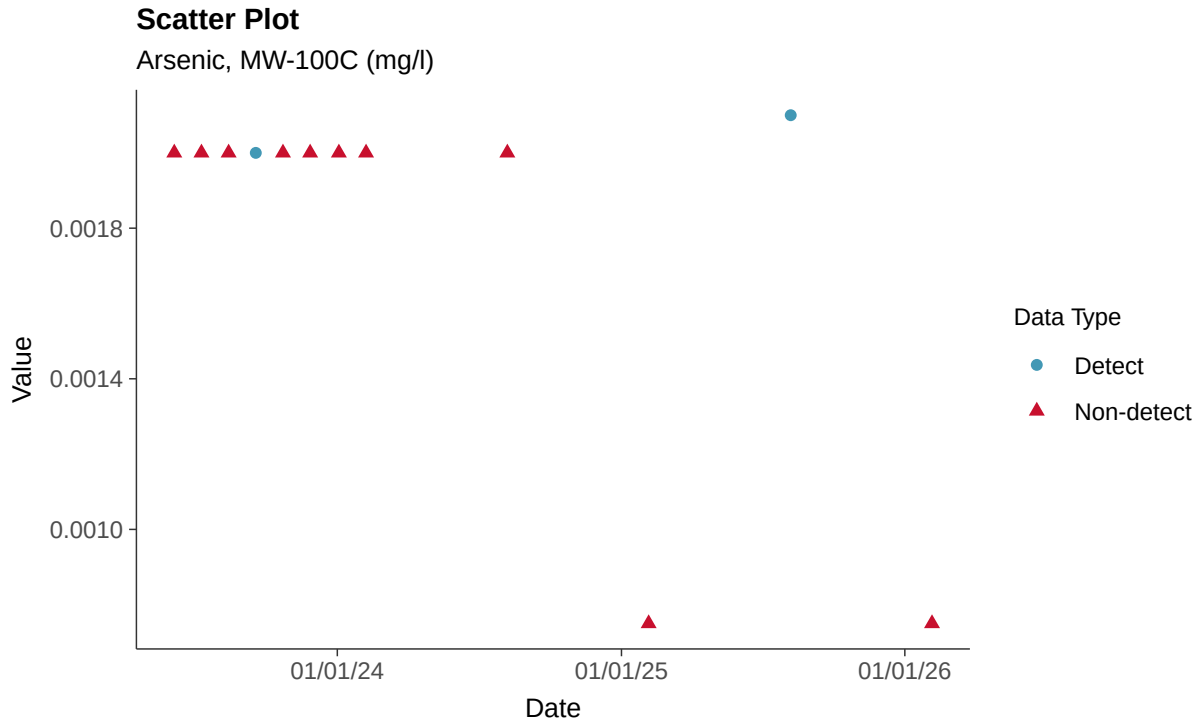
Antimony, MW-100C (mg/l)

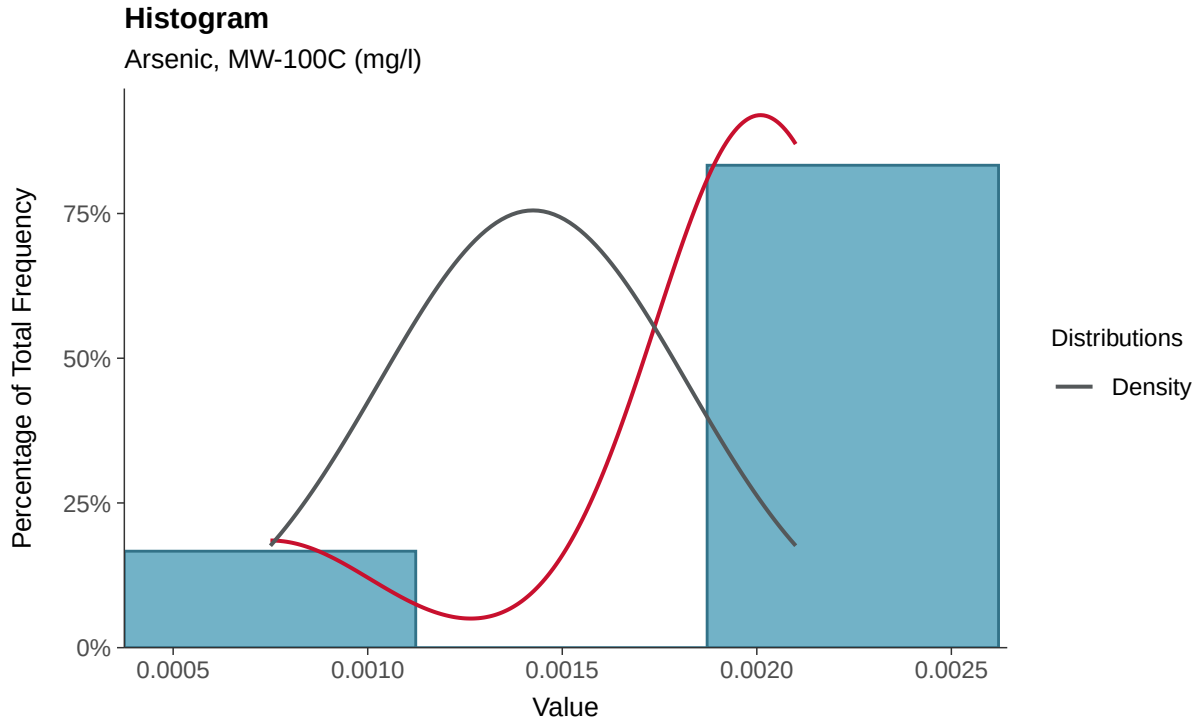



Trend Regression: Piecewise Linear-Linear
Antimony, MW-100C (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-100C

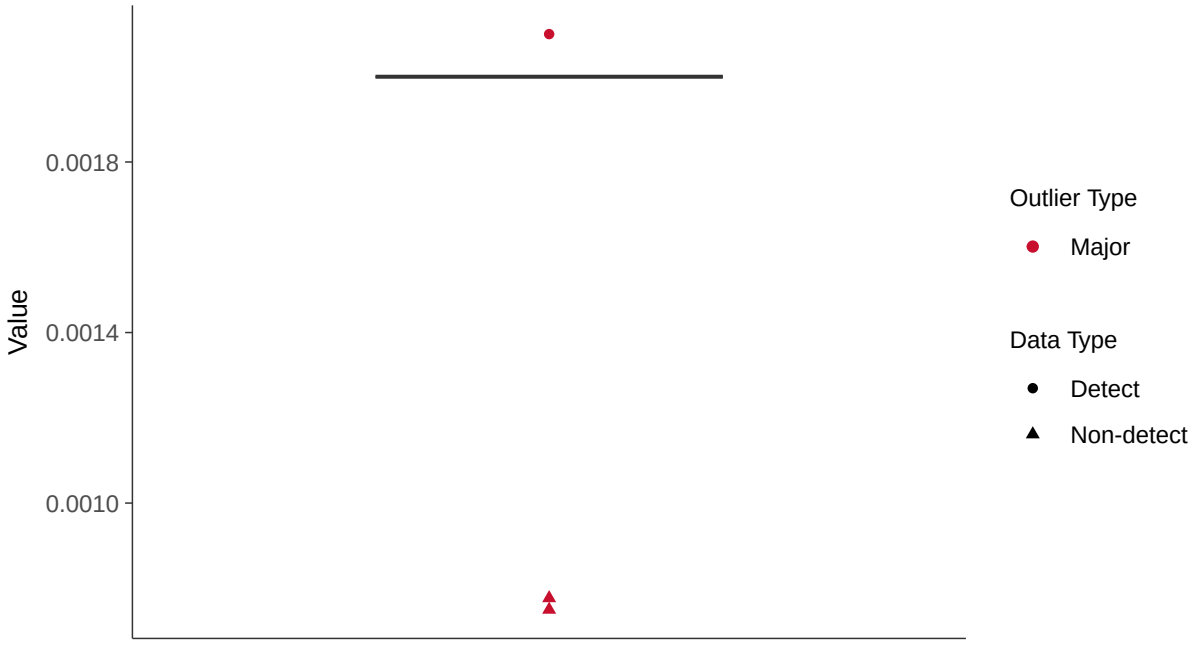
ID: 20_3_102





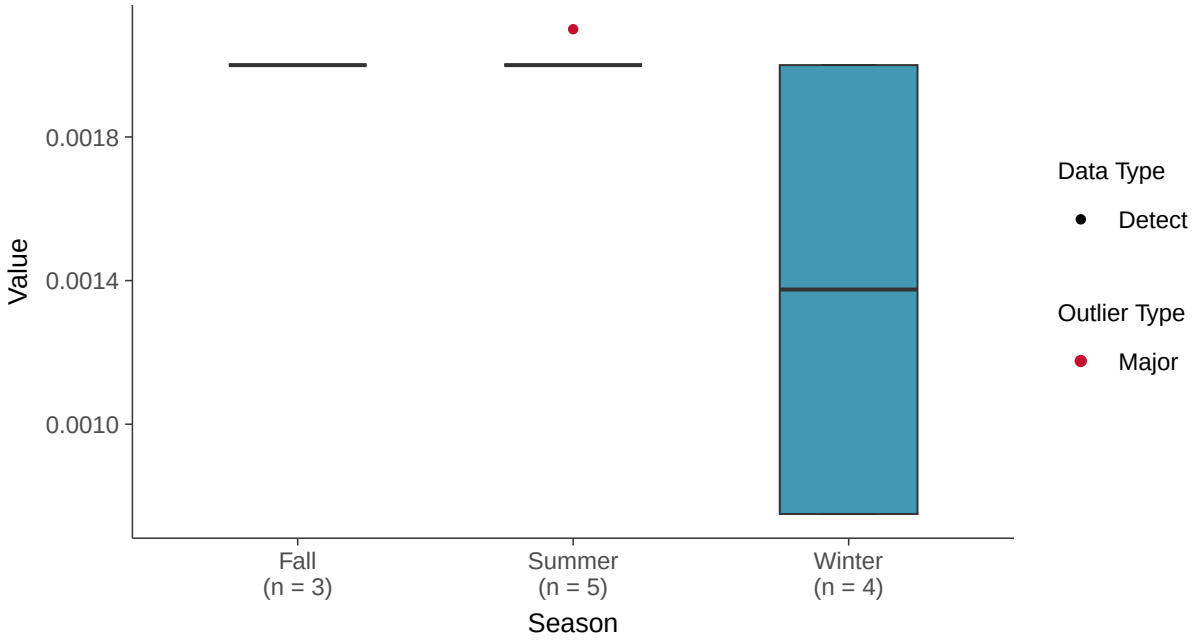
Boxplot

Arsenic, MW-100C (mg/l)



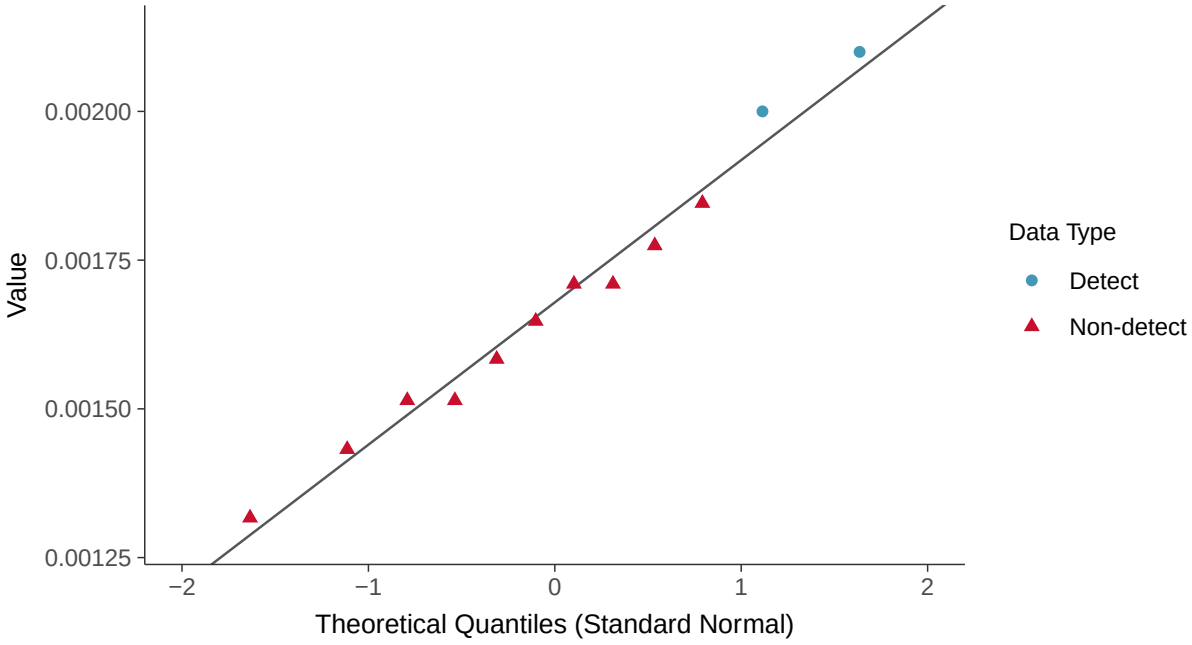
Boxplot by Season

Arsenic, MW-100C (mg/l)



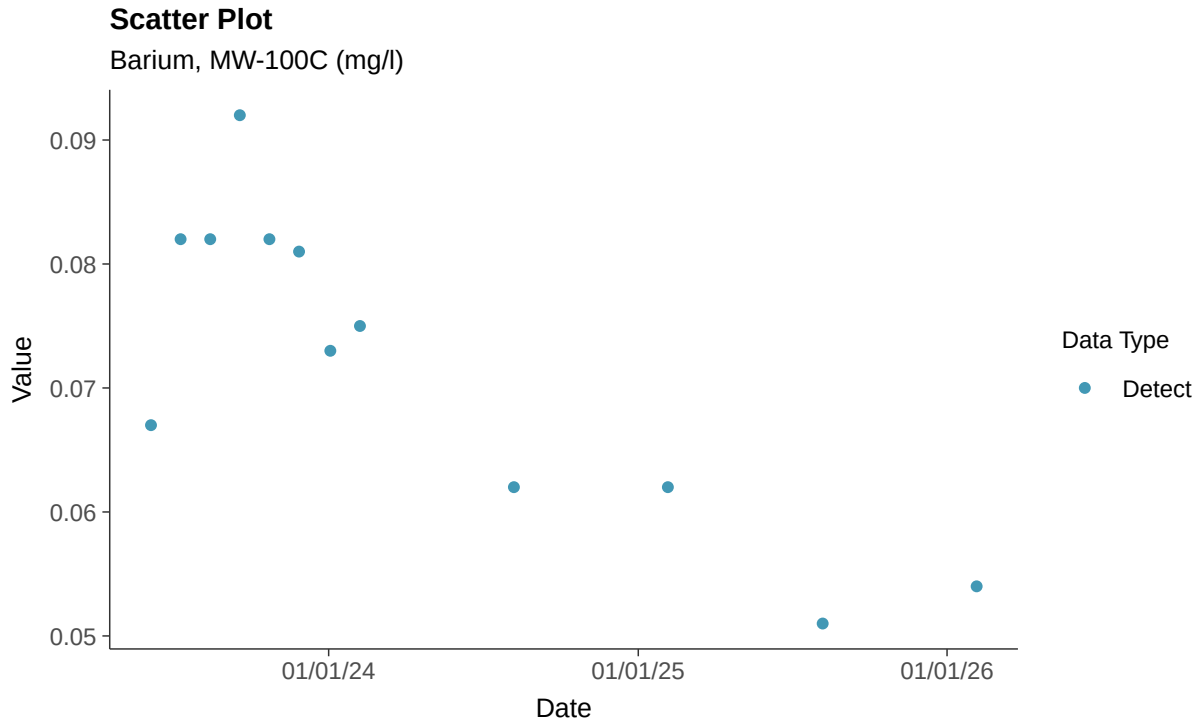
Normal Q-Q plot using ROS Imputed Estimates

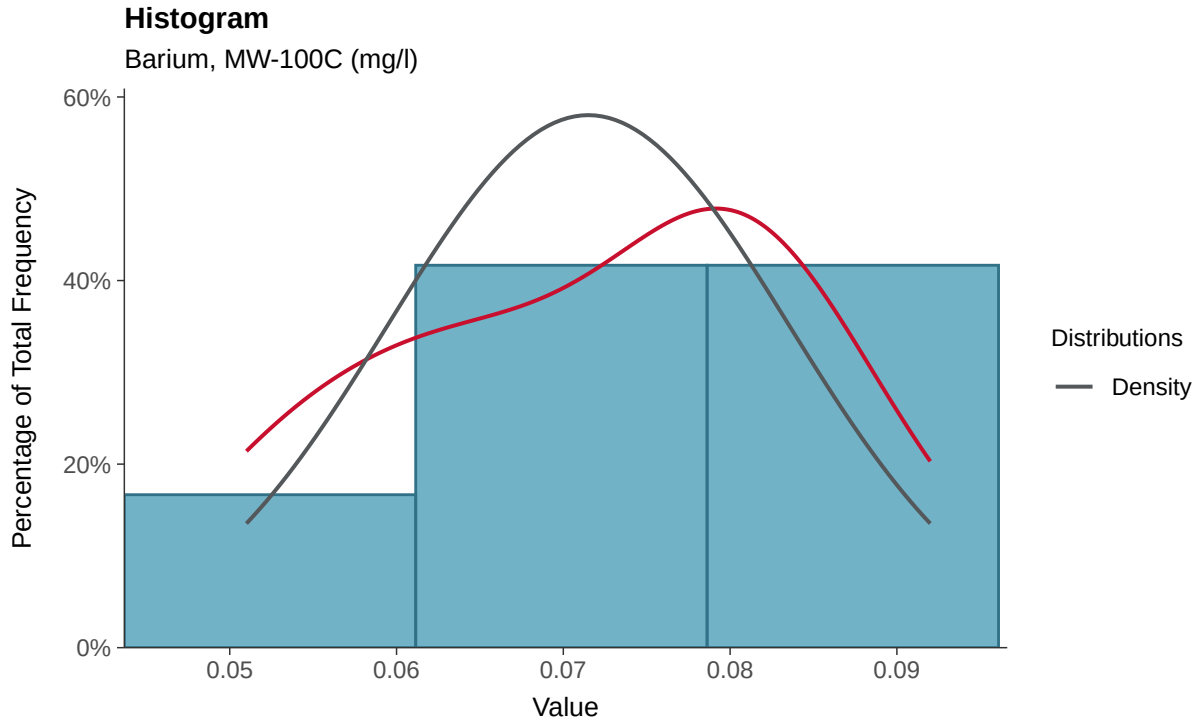
Arsenic, MW-100C (mg/l)



Appendix IV: Barium, MW-100C

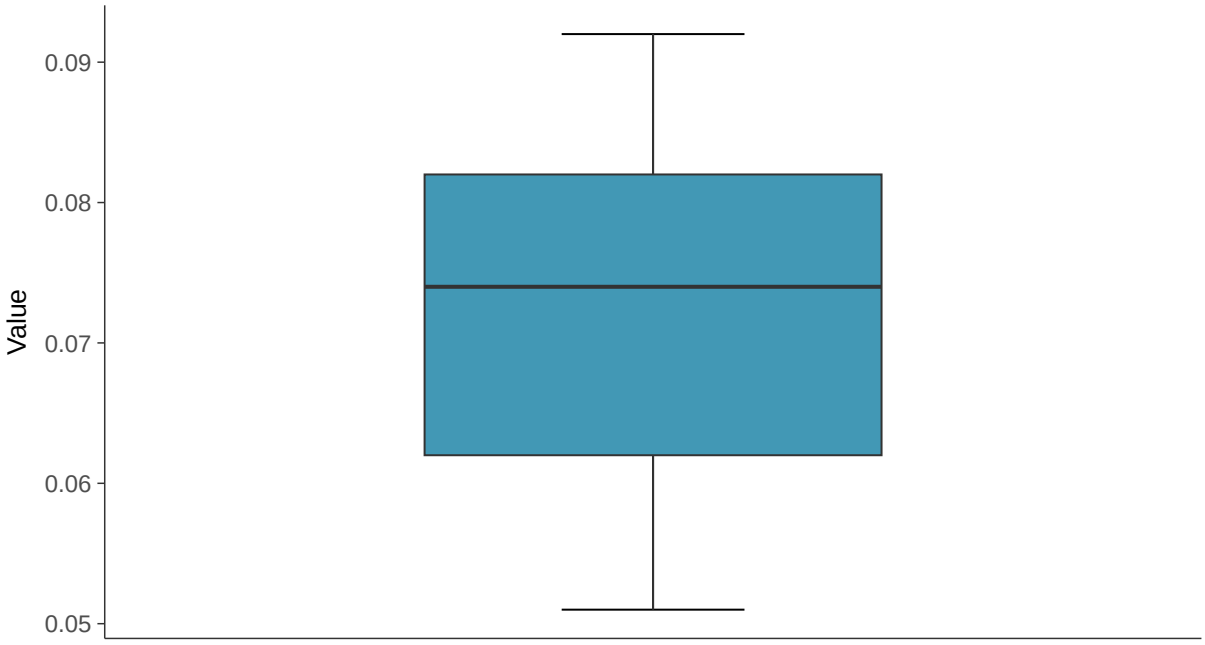
ID: 20_3_103





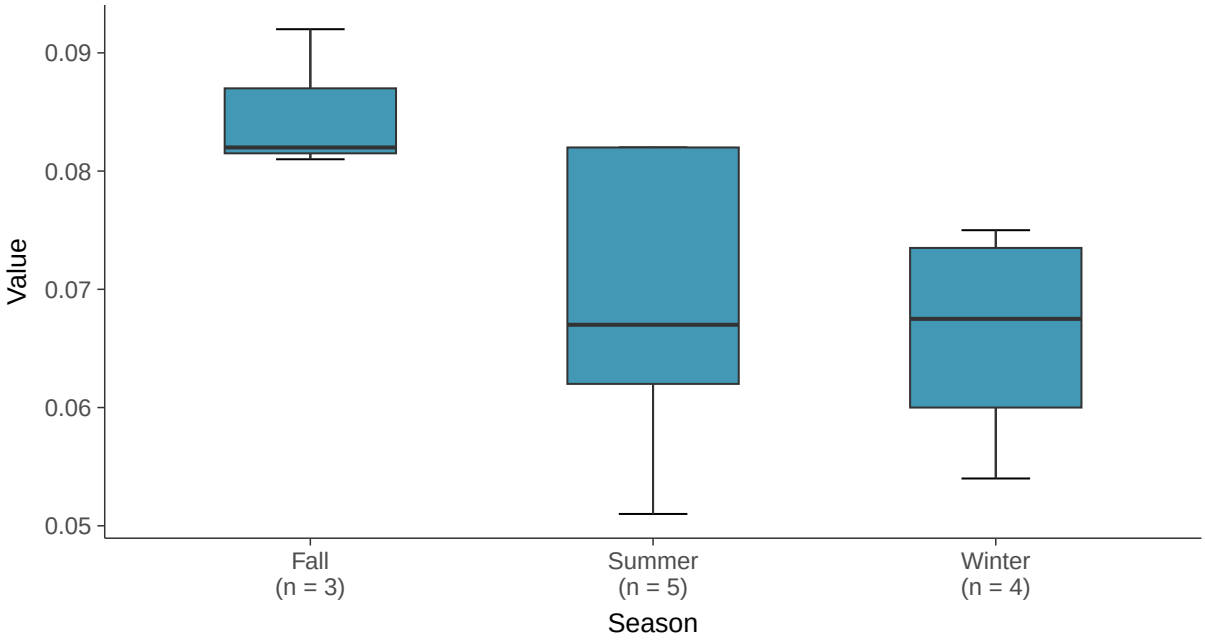
Boxplot

Barium, MW-100C (mg/l)



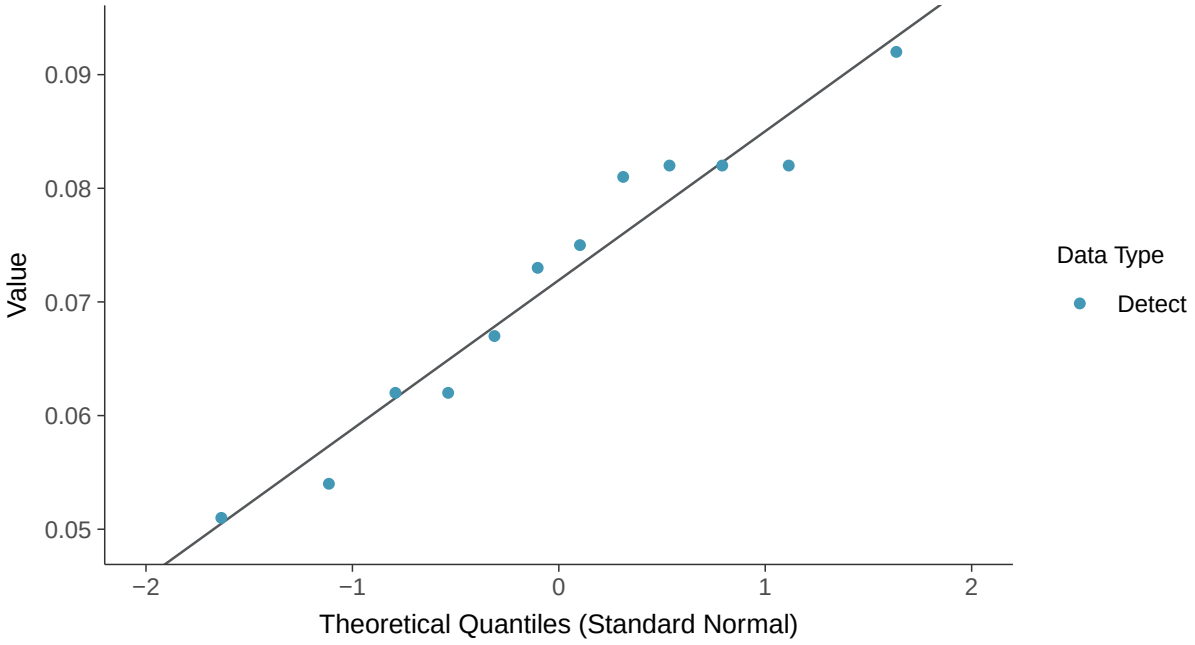
Boxplot by Season

Barium, MW-100C (mg/l)



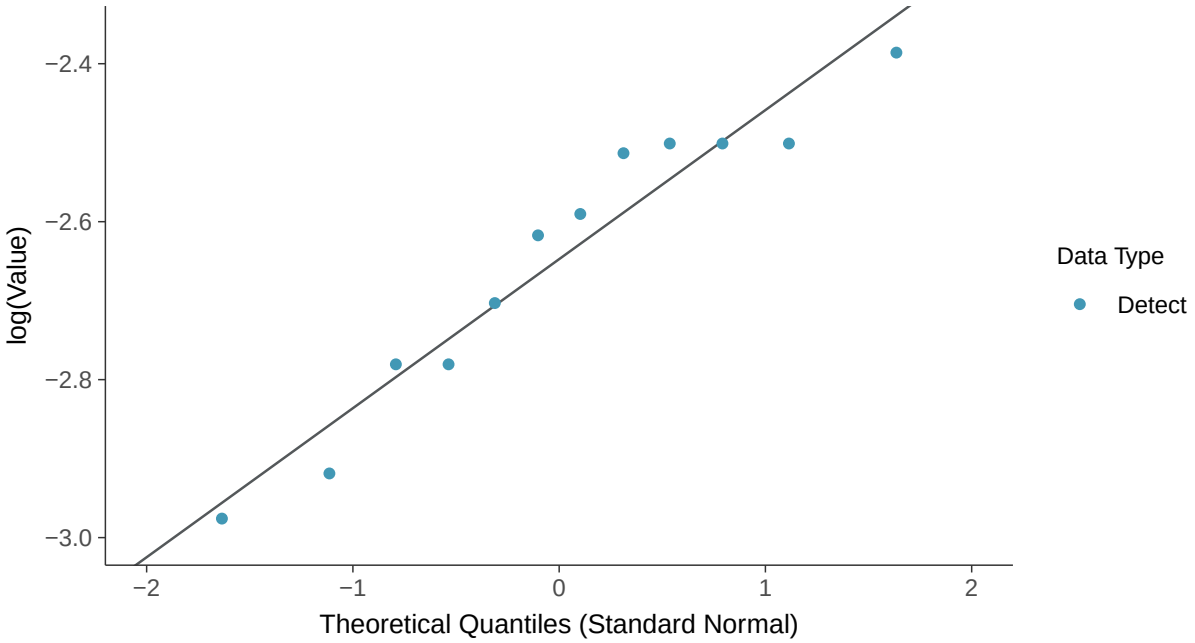
Normal Q-Q plot

Barium, MW-100C (mg/l)



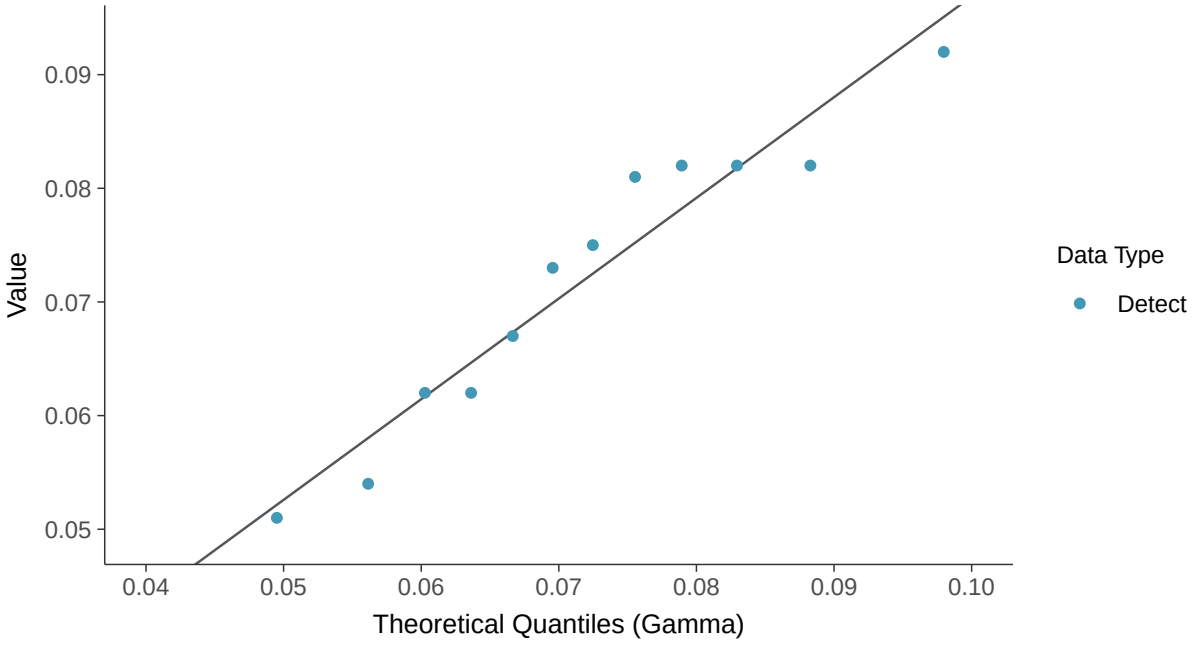
Lognormal Q-Q plot

Barium, MW-100C (mg/l)



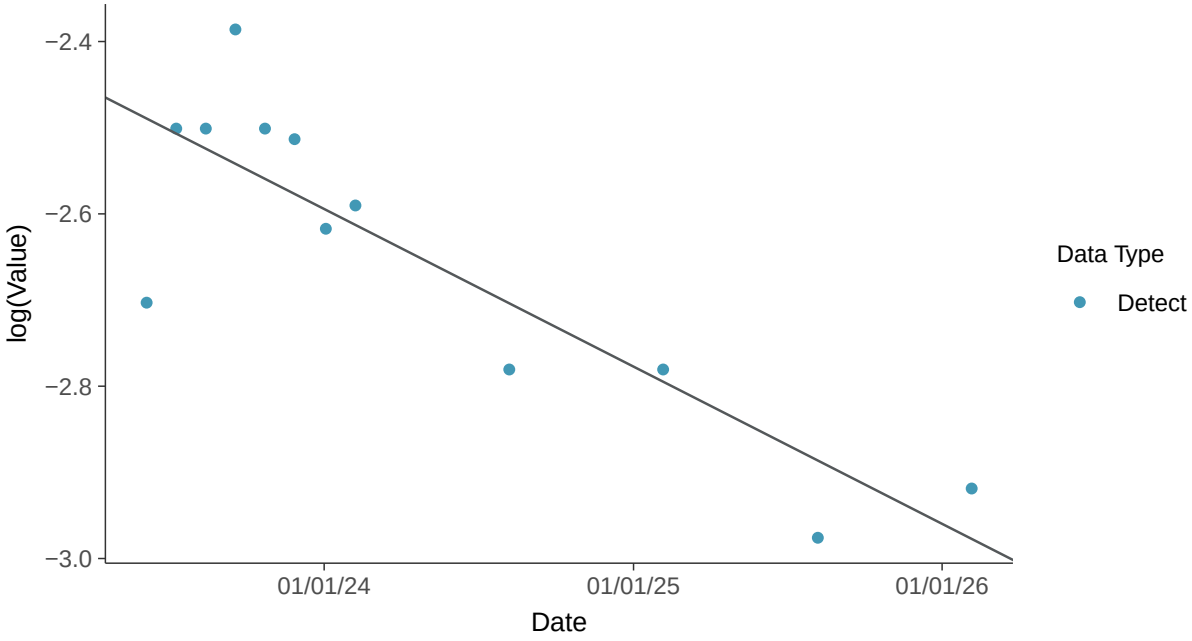
Gamma Q-Q plot

Barium, MW-100C (mg/l)



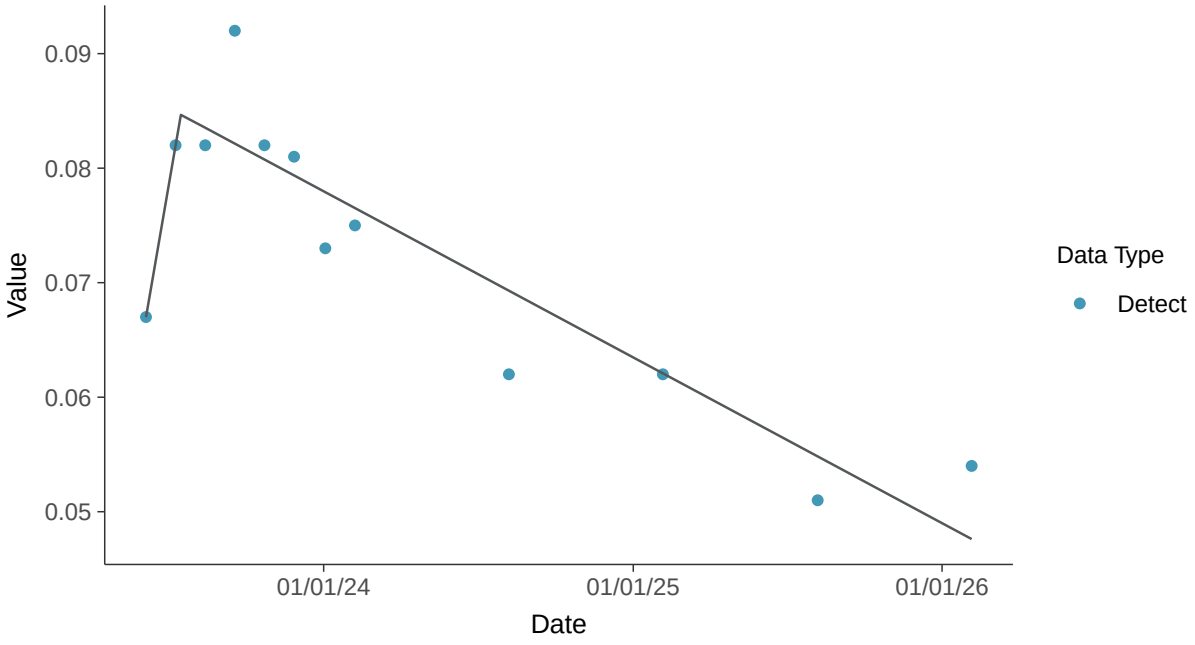
Trend Regression: Lognormal MLE

Barium, MW-100C (mg/l)



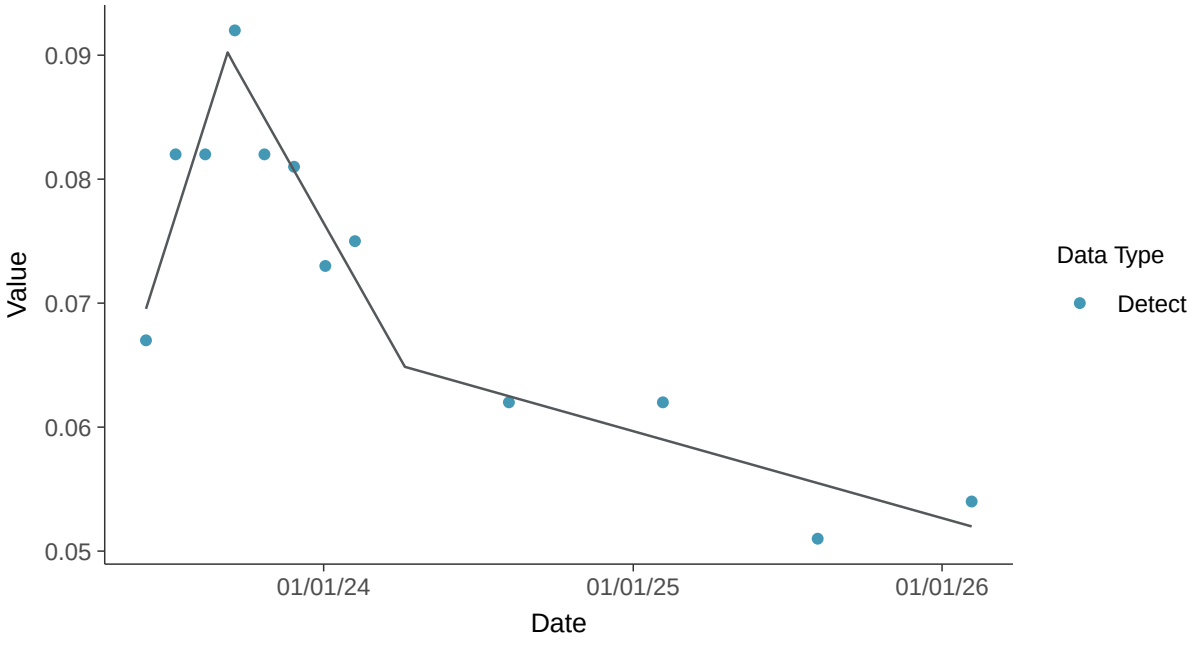
Trend Regression: Piecewise Linear-Linear

Barium, MW-100C (mg/l)



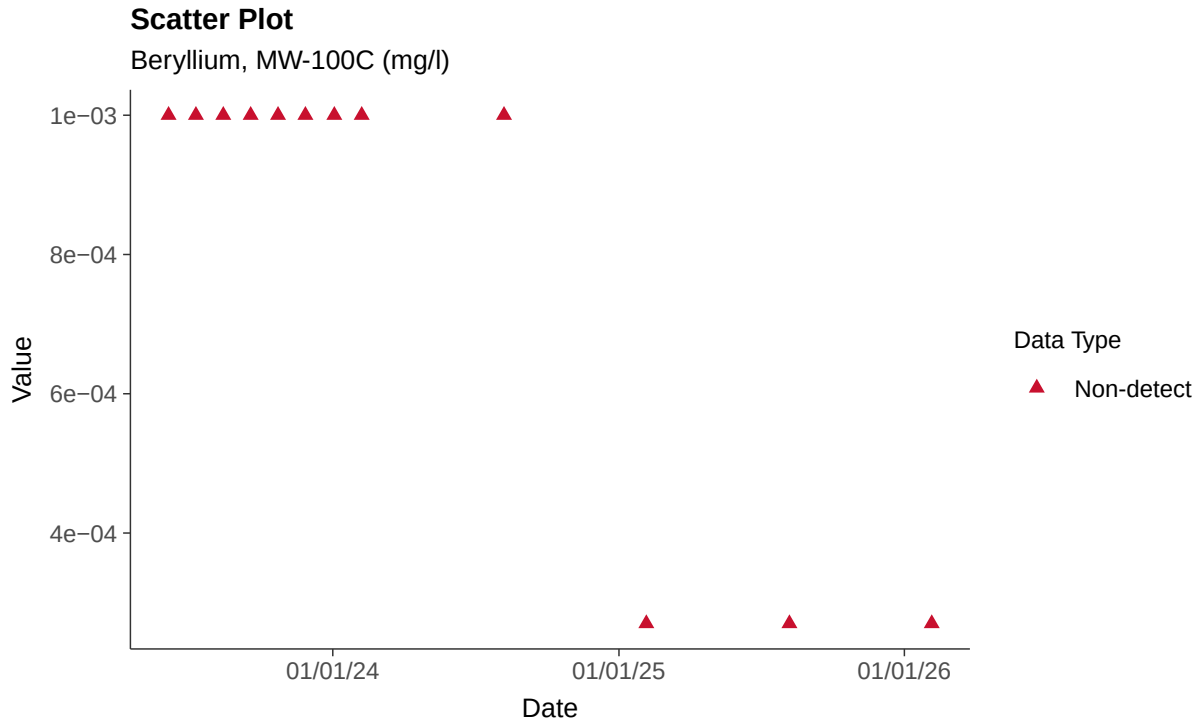
Trend Regression: Piecewise Linear-Linear-Linear

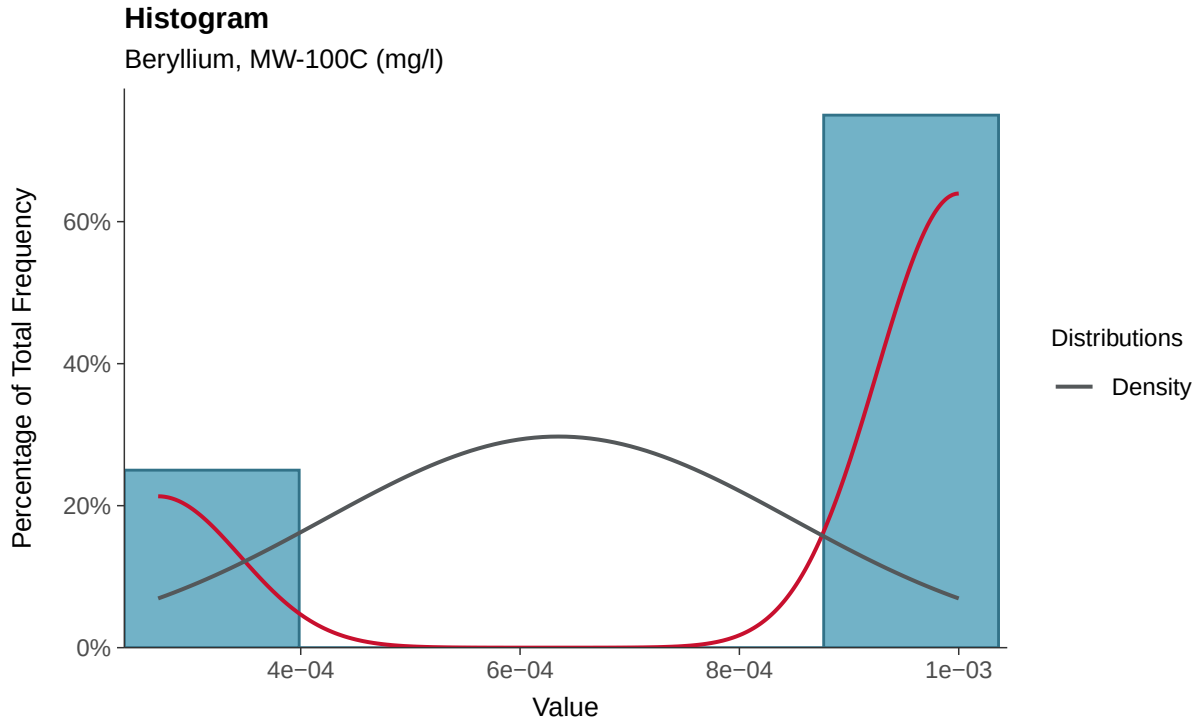
Barium, MW-100C (mg/l)



Appendix IV: Beryllium, MW-100C

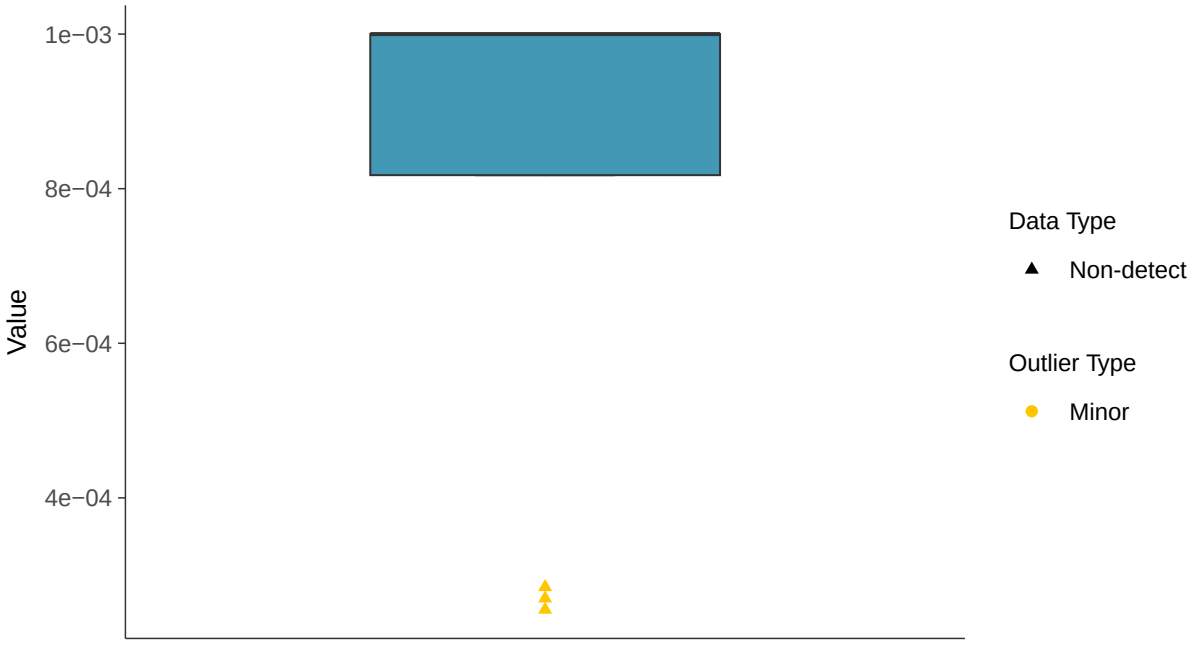
ID: 20_3_104





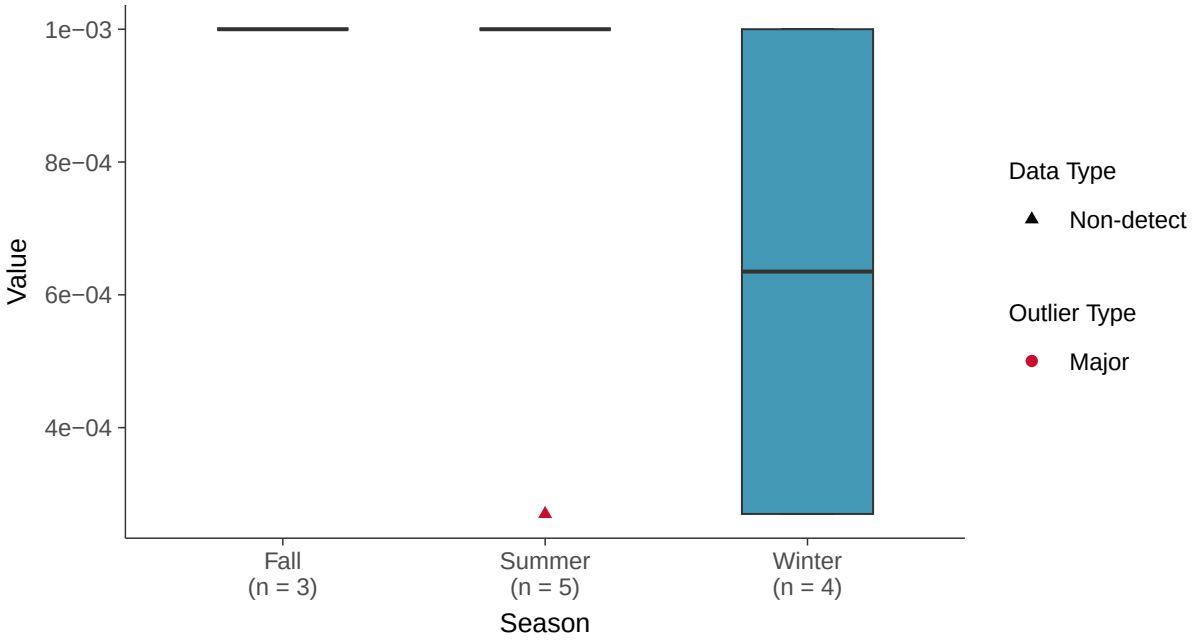
Boxplot

Beryllium, MW-100C (mg/l)



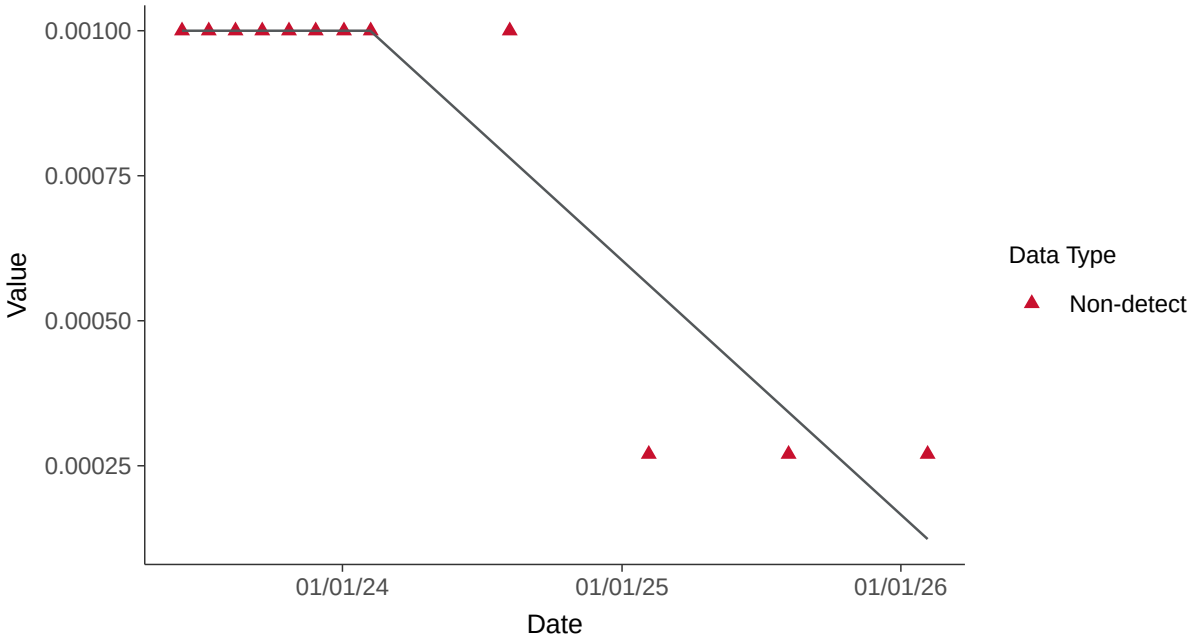
Boxplot by Season

Beryllium, MW-100C (mg/l)



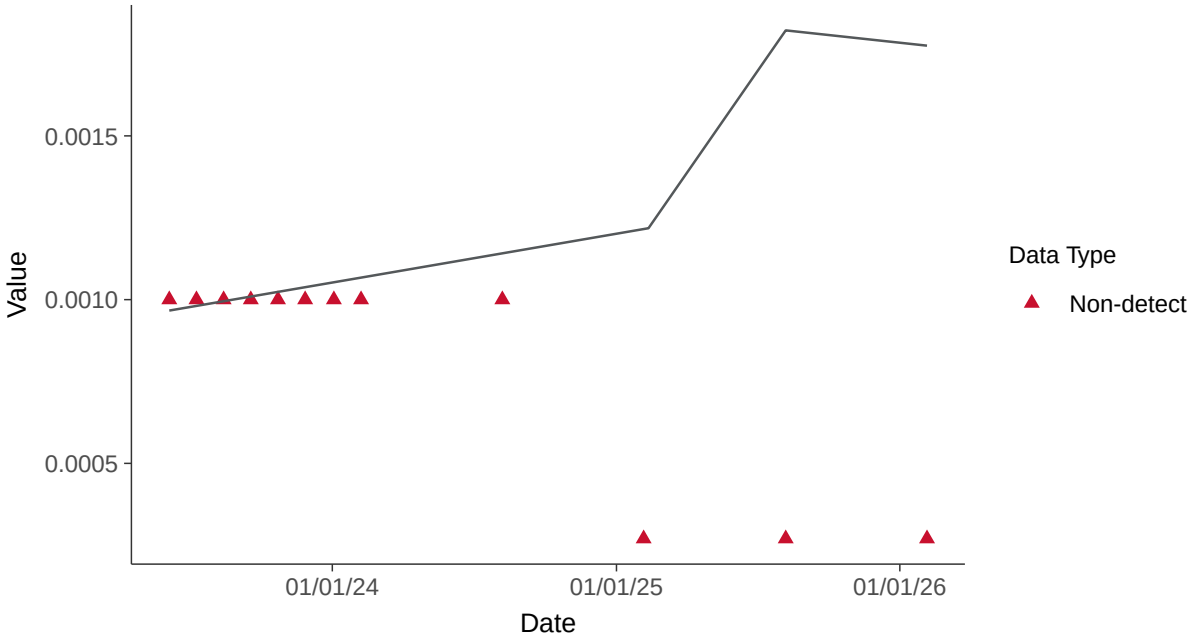
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-100C (mg/l)



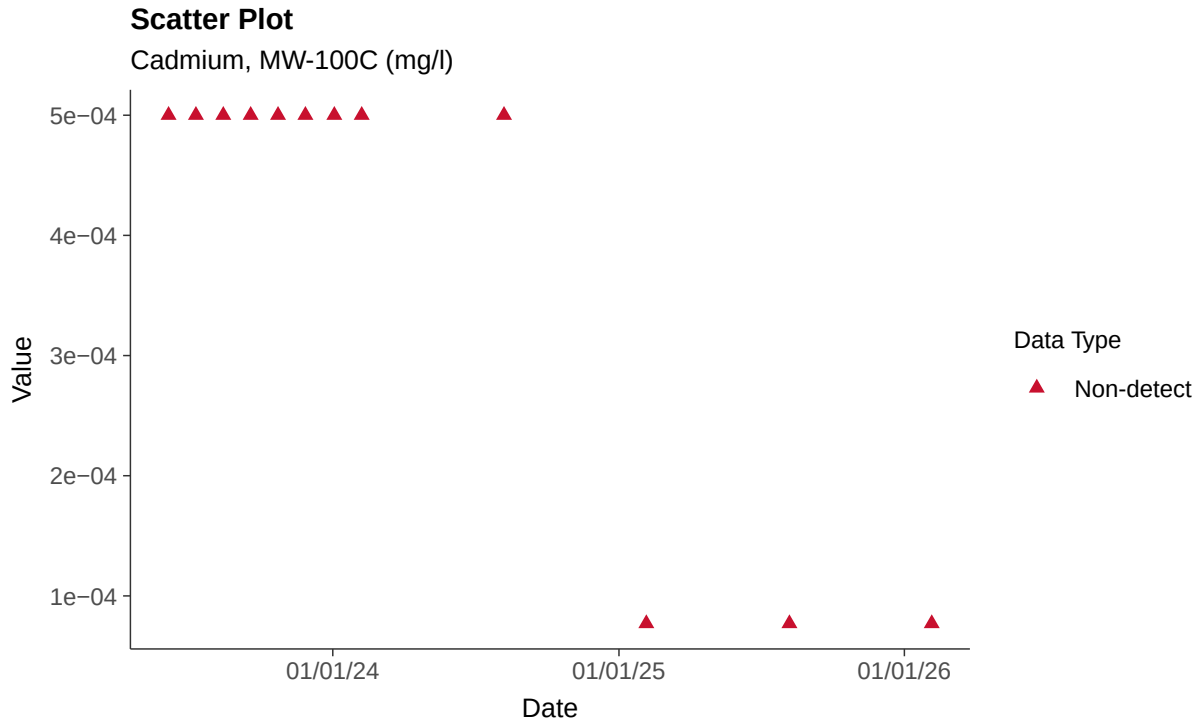
Trend Regression: Piecewise Linear-Linear-Linear

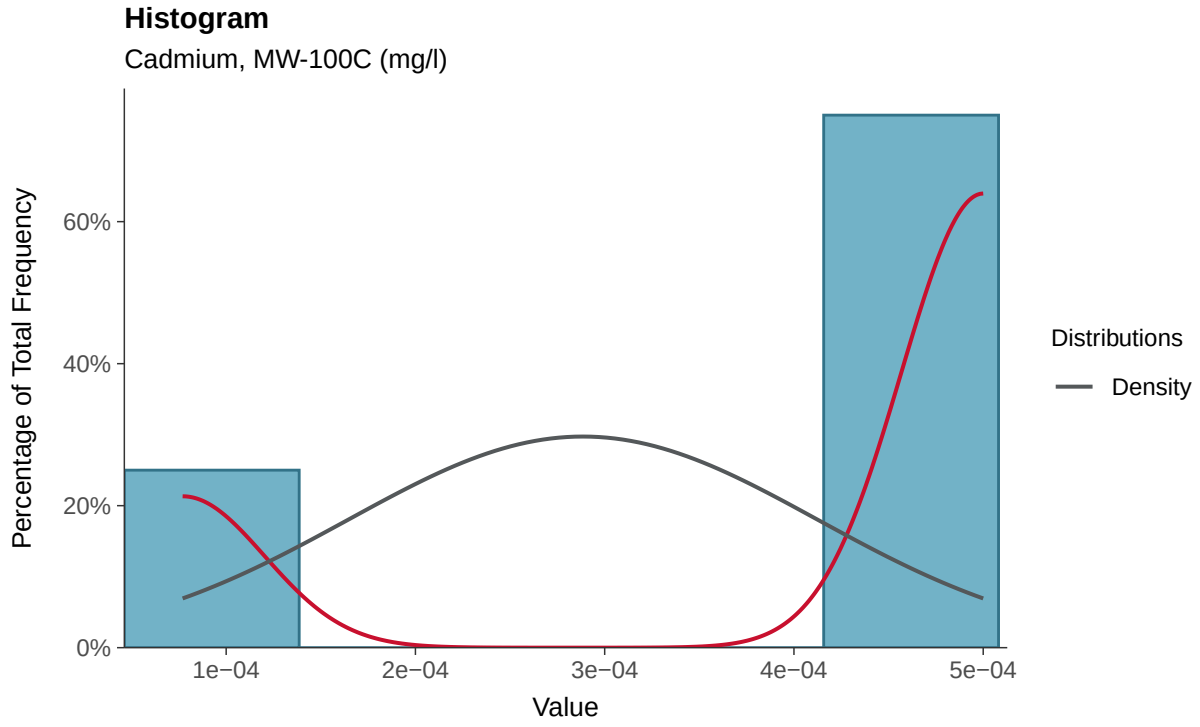
Beryllium, MW-100C (mg/l)



Appendix IV: Cadmium, MW-100C

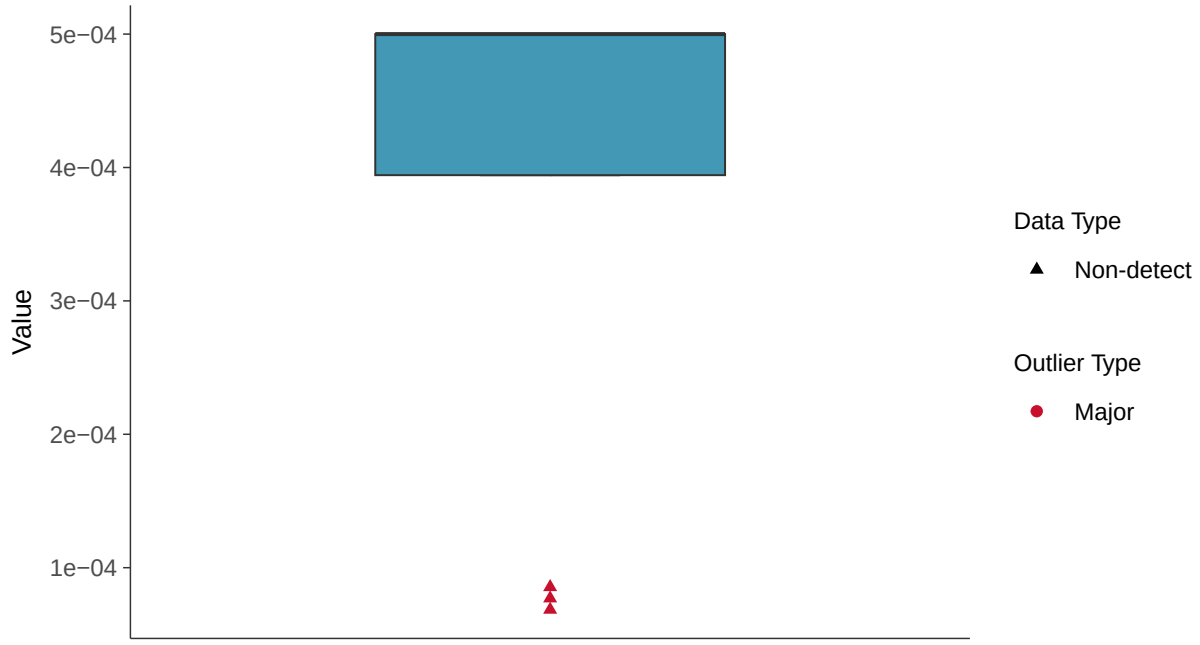
ID: 20_3_106





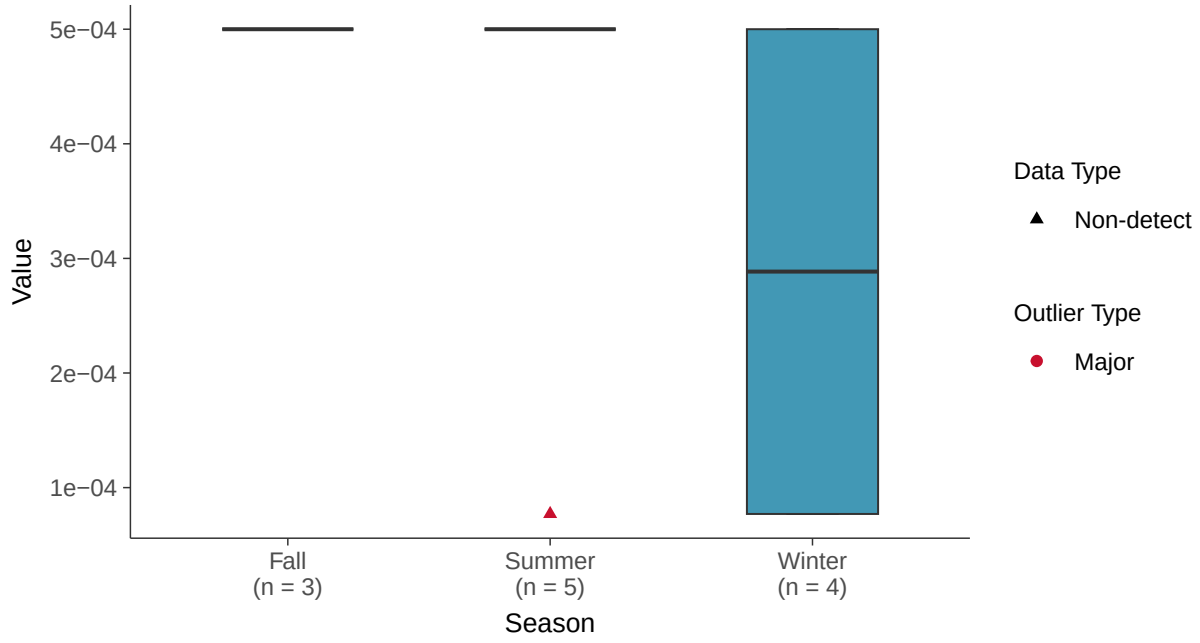
Boxplot

Cadmium, MW-100C (mg/l)



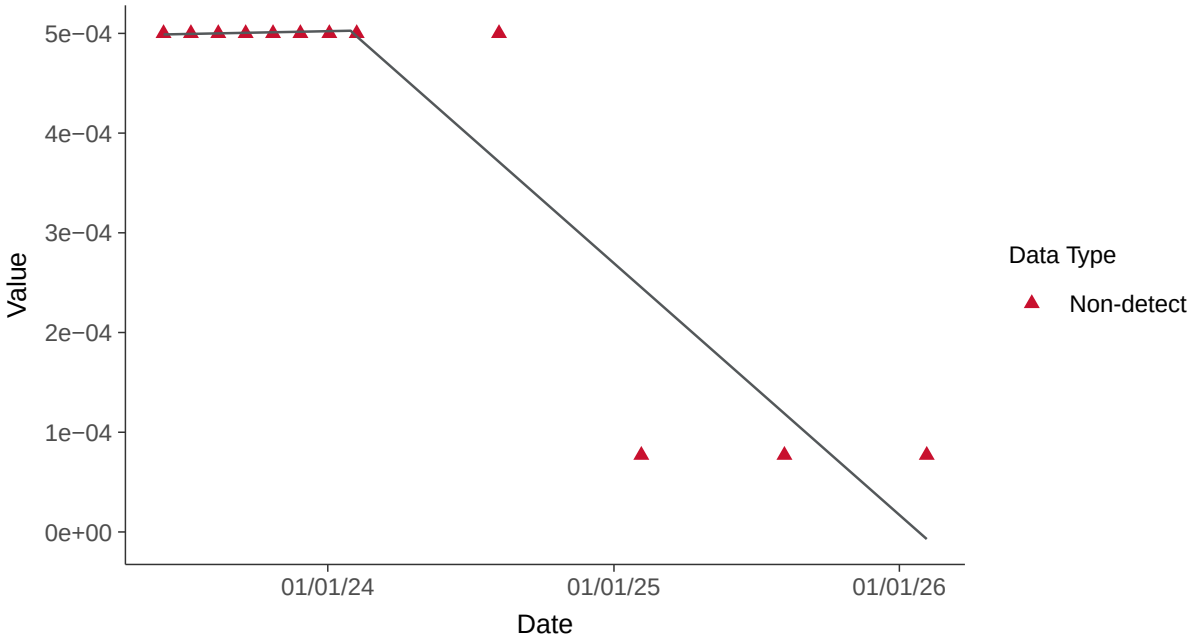
Boxplot by Season

Cadmium, MW-100C (mg/l)



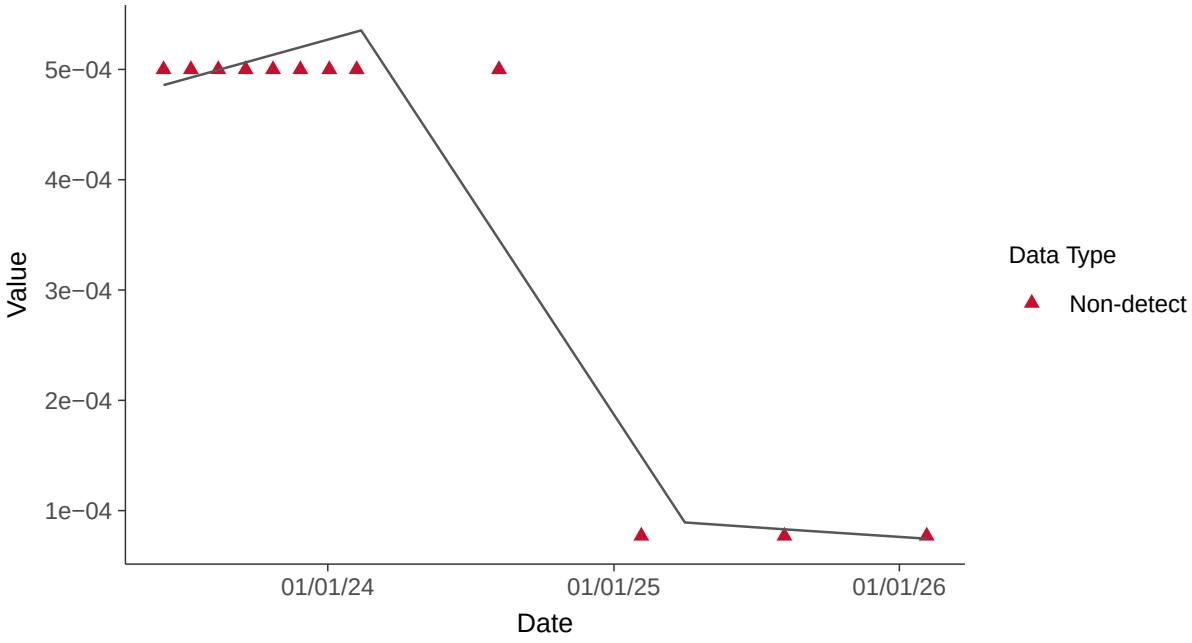
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-100C (mg/l)



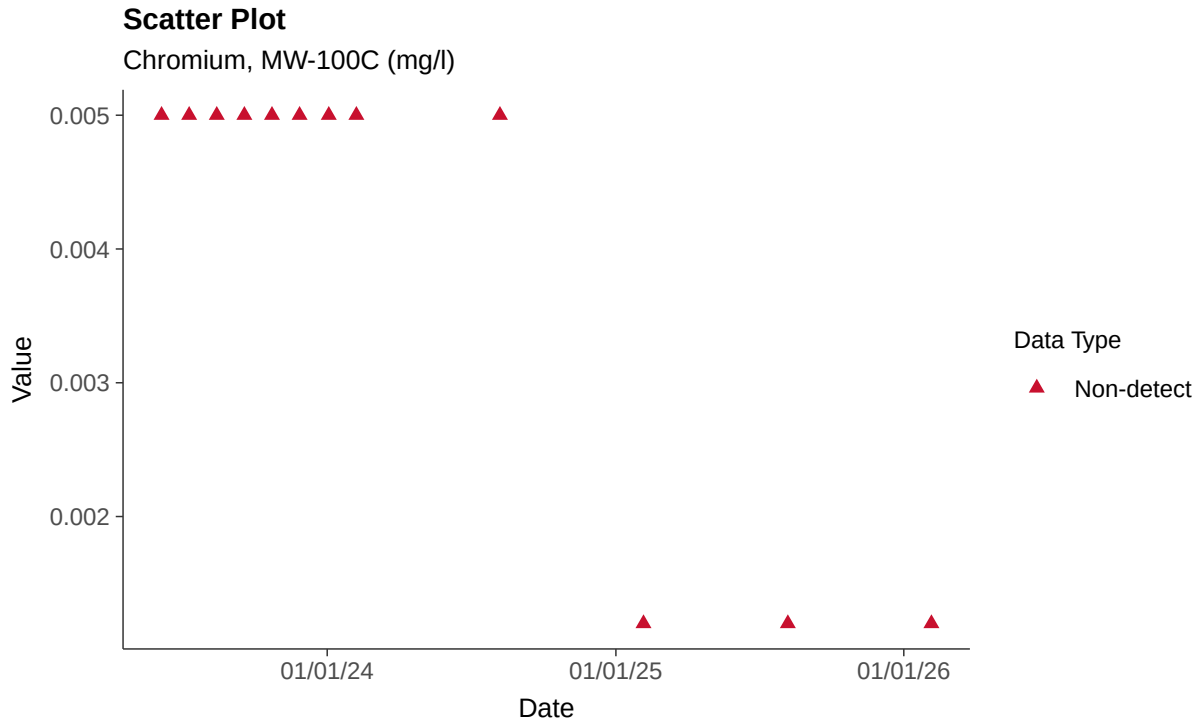
Trend Regression: Piecewise Linear-Linear-Linear

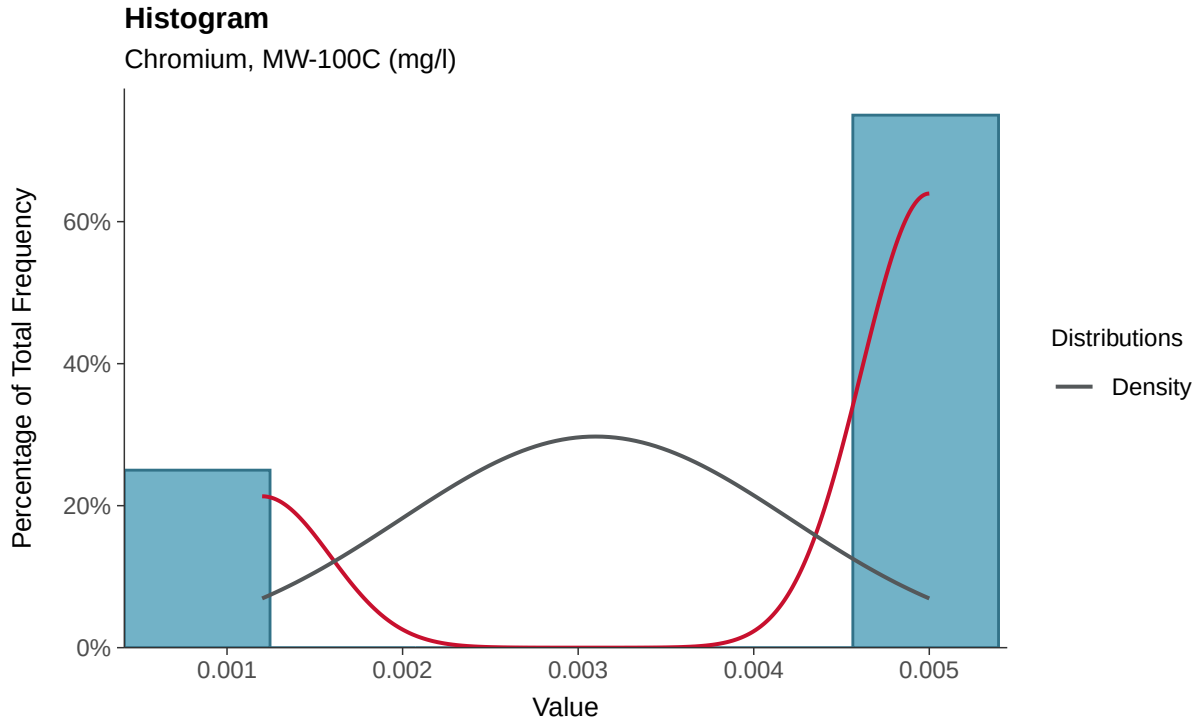
Cadmium, MW-100C (mg/l)



Appendix IV: Chromium, MW-100C

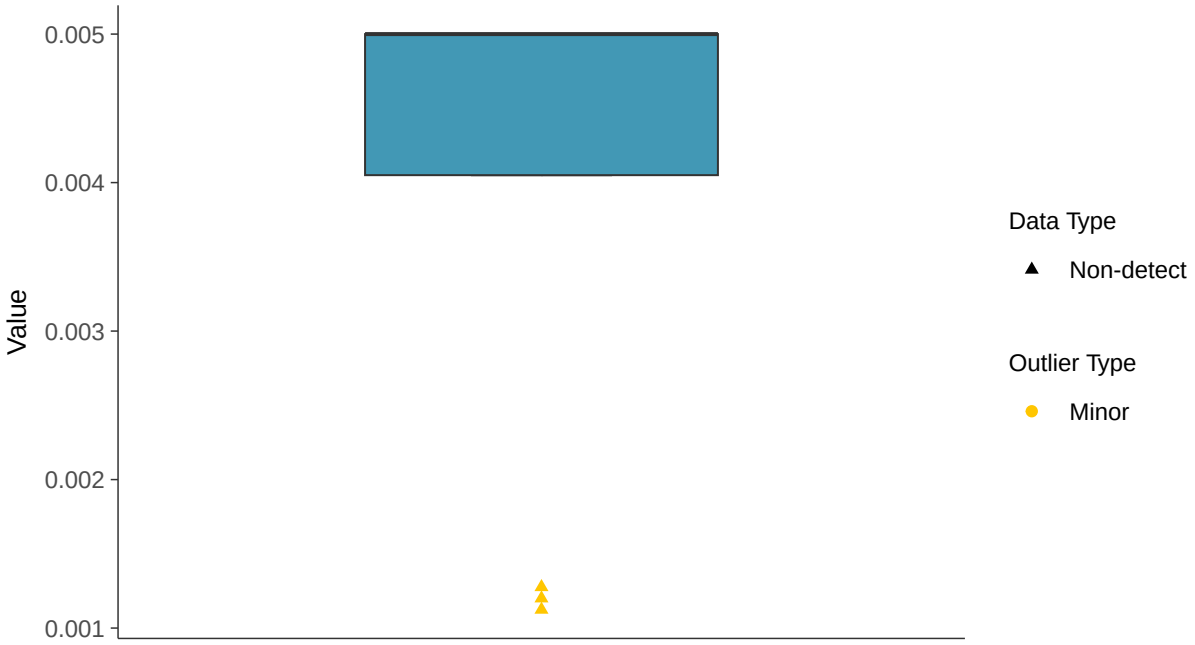
ID: 20_3_109





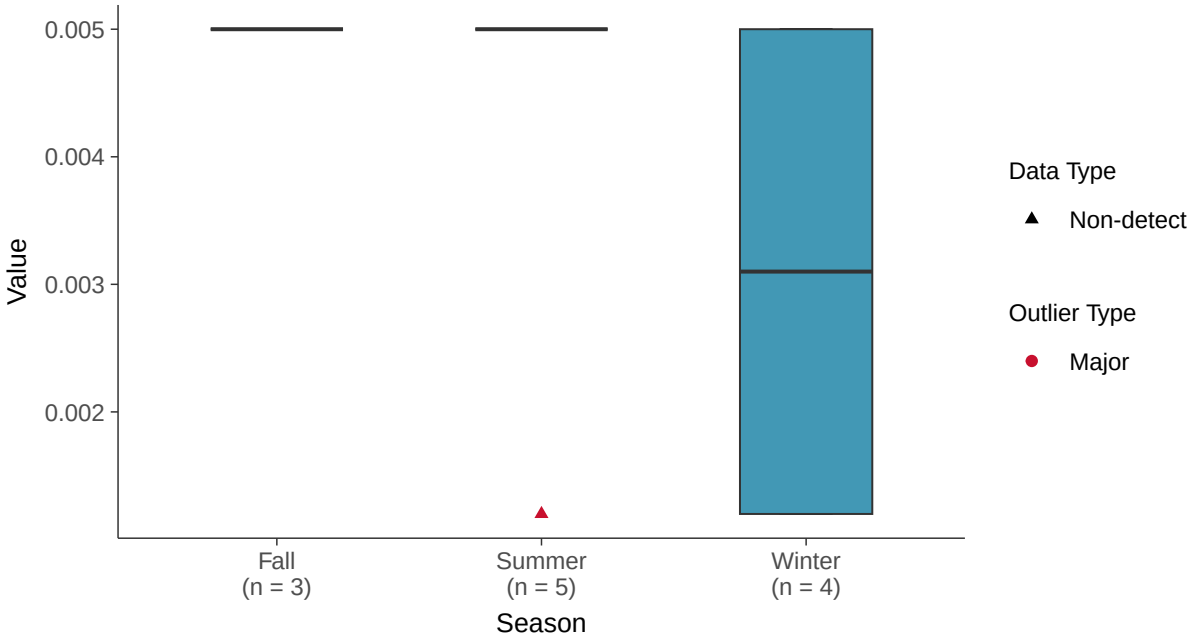
Boxplot

Chromium, MW-100C (mg/l)



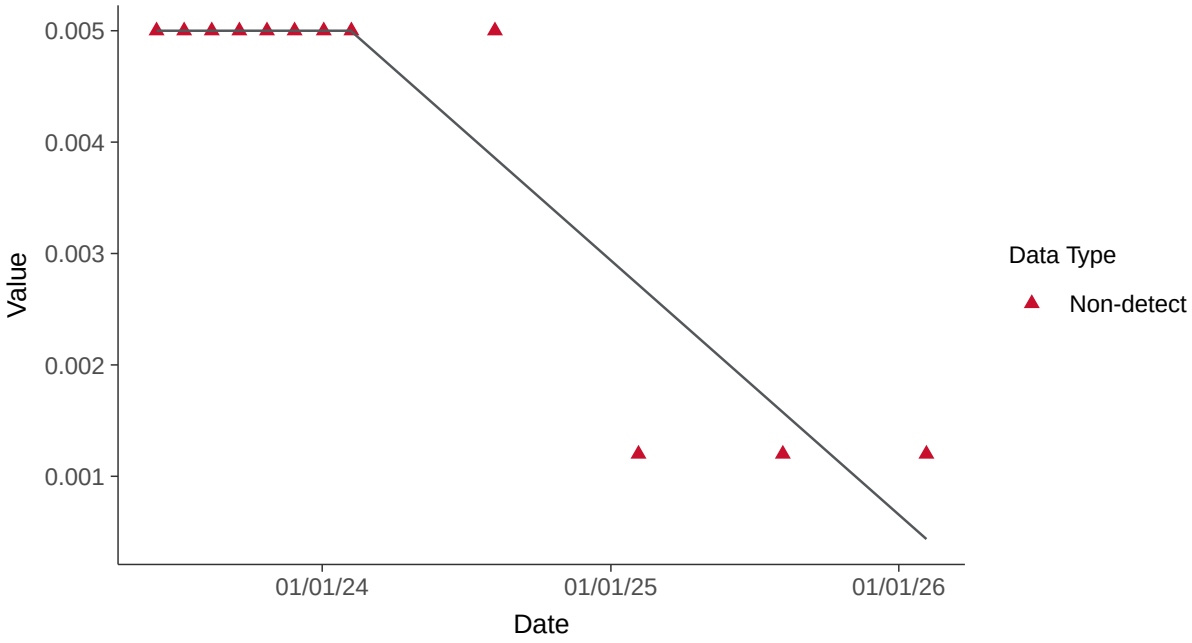
Boxplot by Season

Chromium, MW-100C (mg/l)



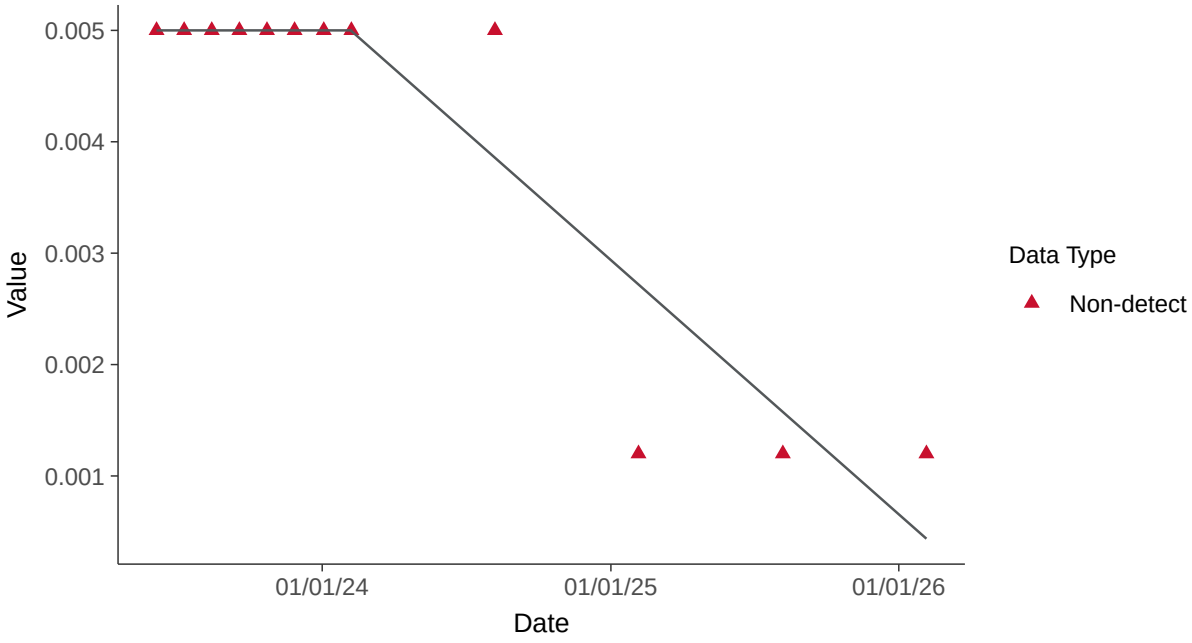
Trend Regression: Piecewise Linear-Linear

Chromium, MW-100C (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Chromium, MW-100C (mg/l)

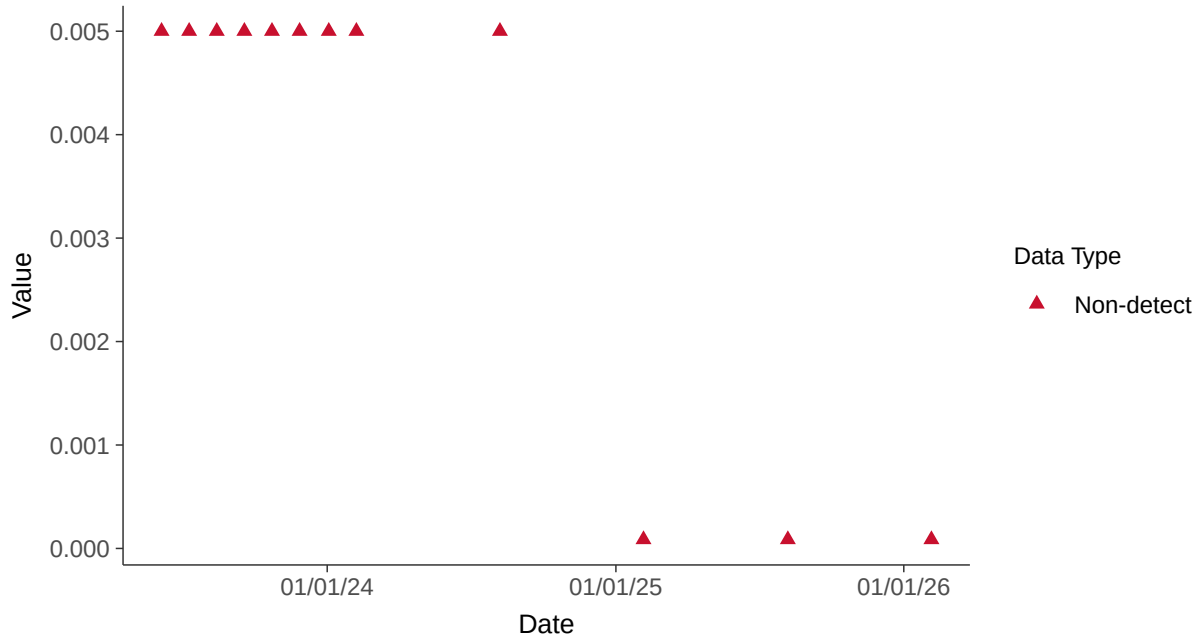


Appendix IV: Cobalt, MW-100C

ID: 20_3_110

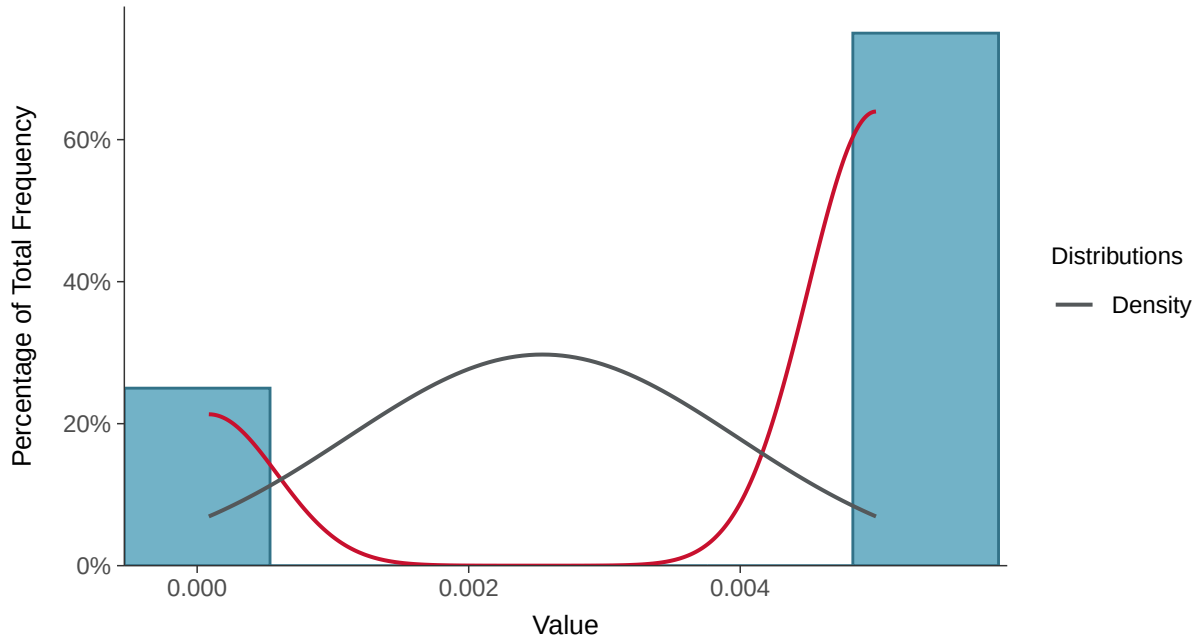
Scatter Plot

Cobalt, MW-100C (mg/l)



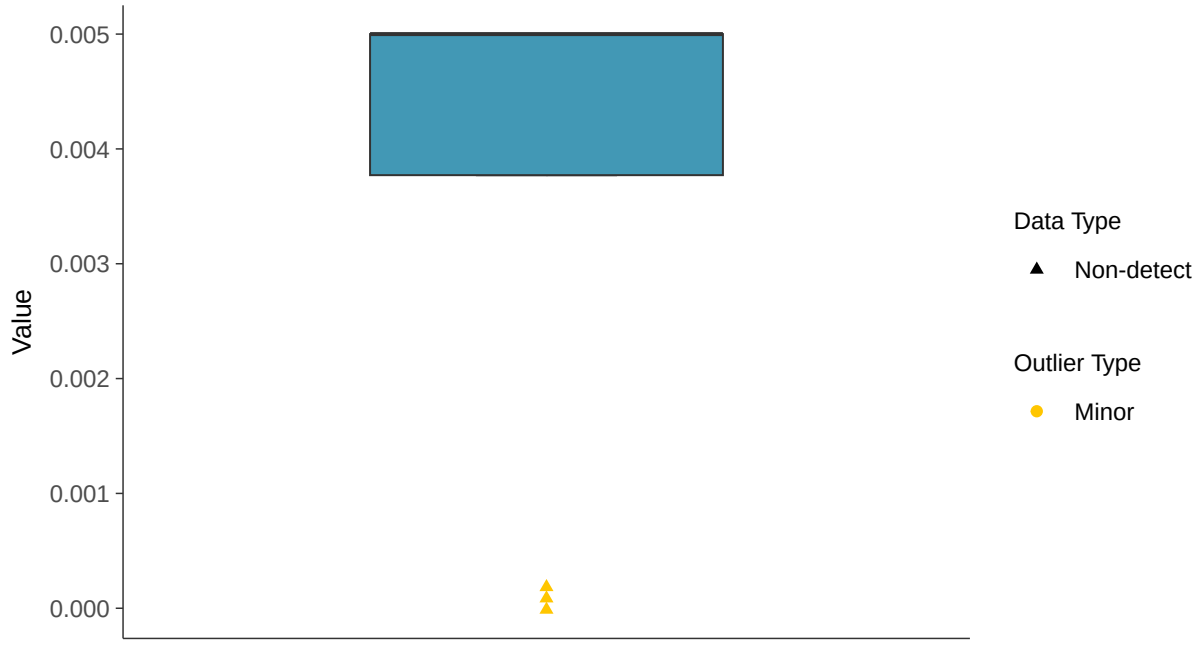
Histogram

Cobalt, MW-100C (mg/l)



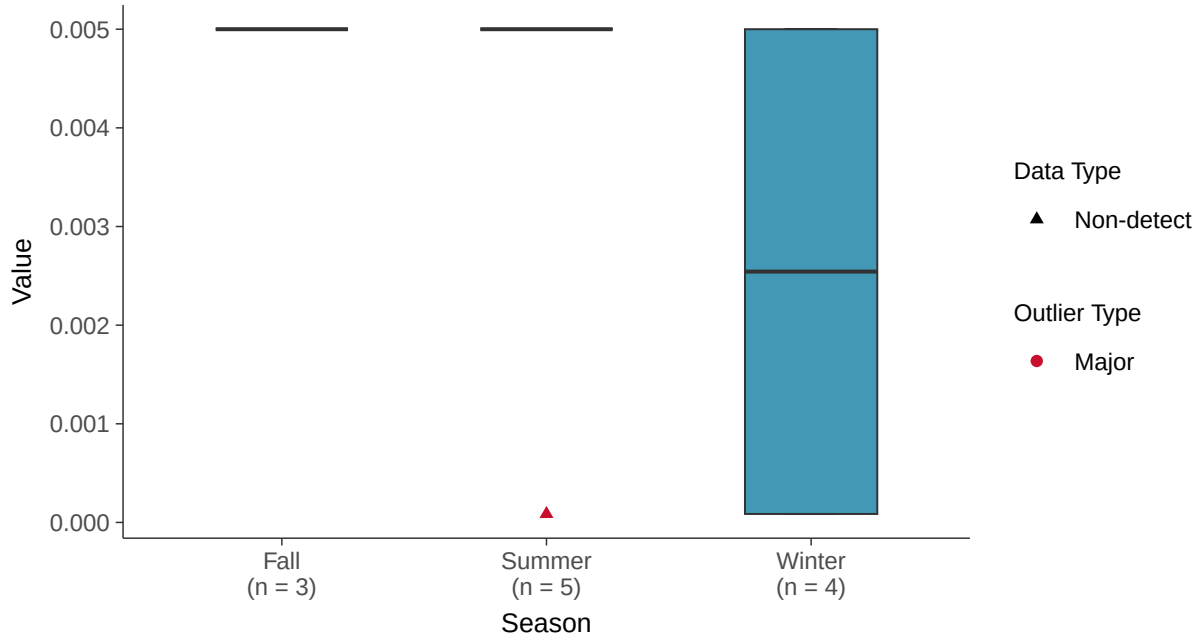
Boxplot

Cobalt, MW-100C (mg/l)



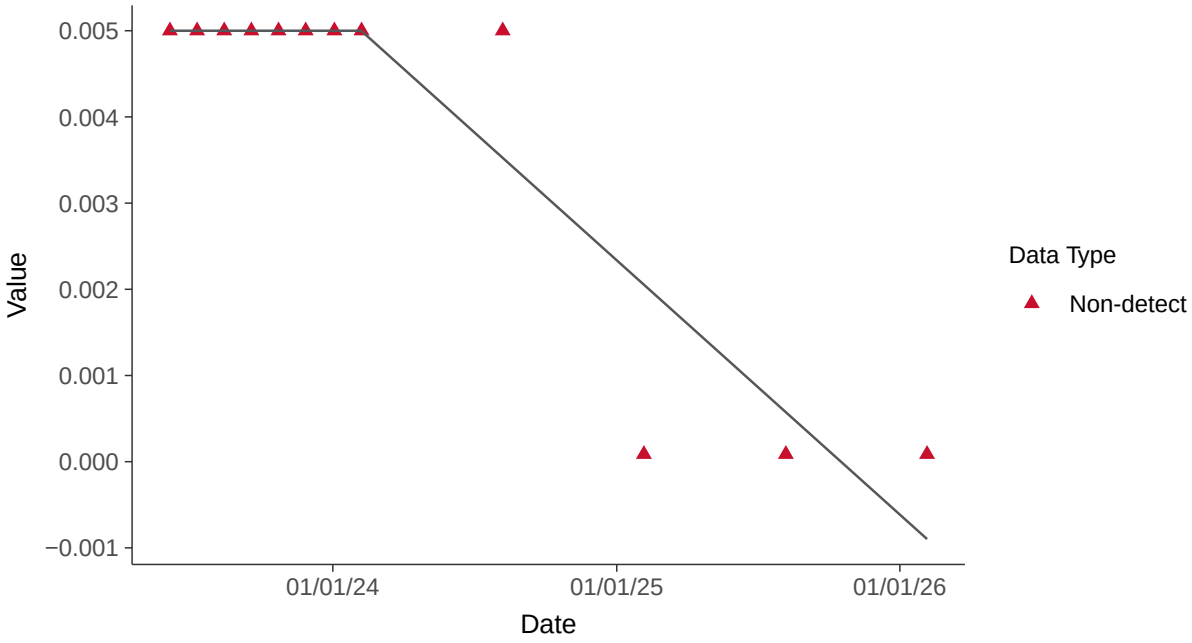
Boxplot by Season

Cobalt, MW-100C (mg/l)



Trend Regression: Piecewise Linear-Linear

Cobalt, MW-100C (mg/l)

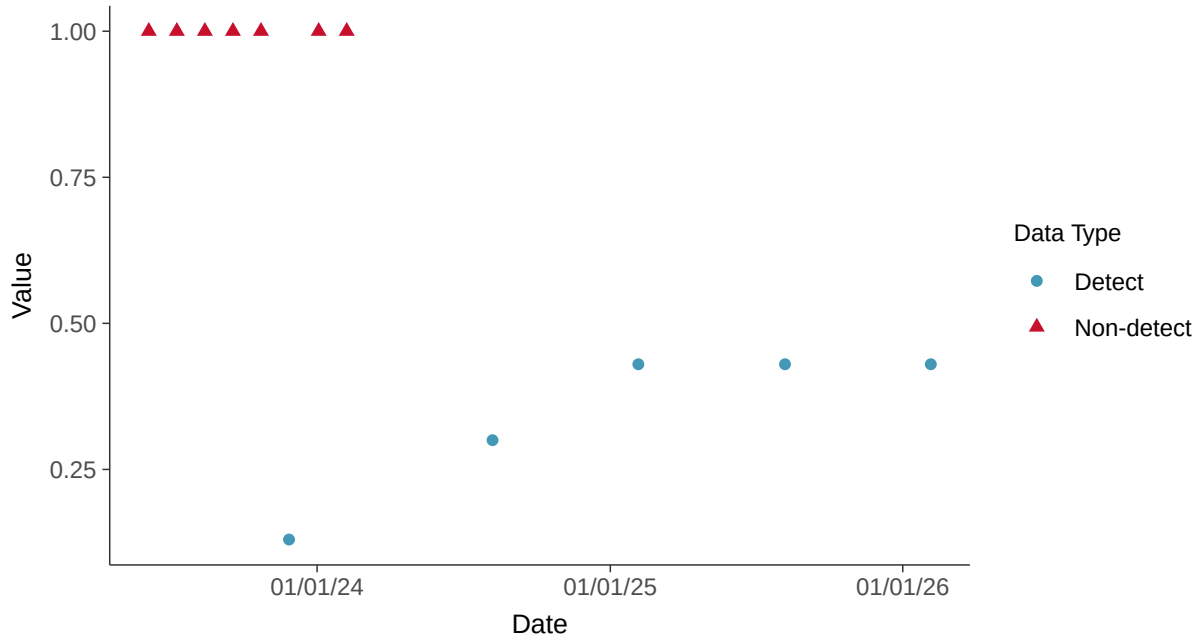


Appendix IV: Fluoride (App IV), MW-100C

ID: 20_3_113

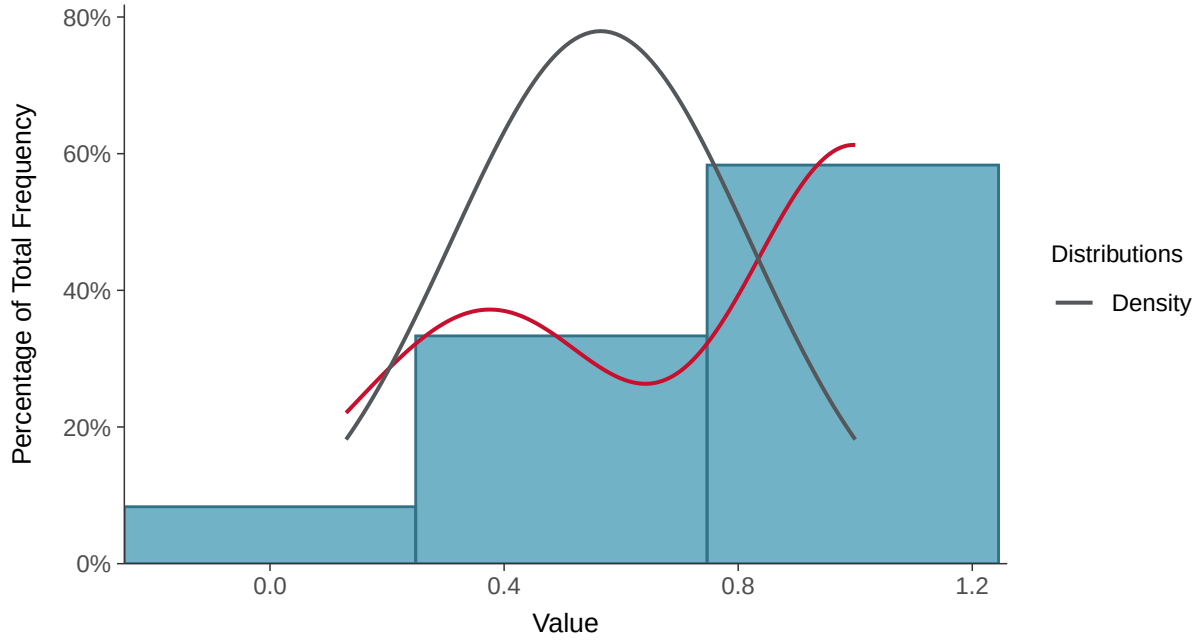
Scatter Plot

Fluoride (App IV), MW-100C (mg/l)



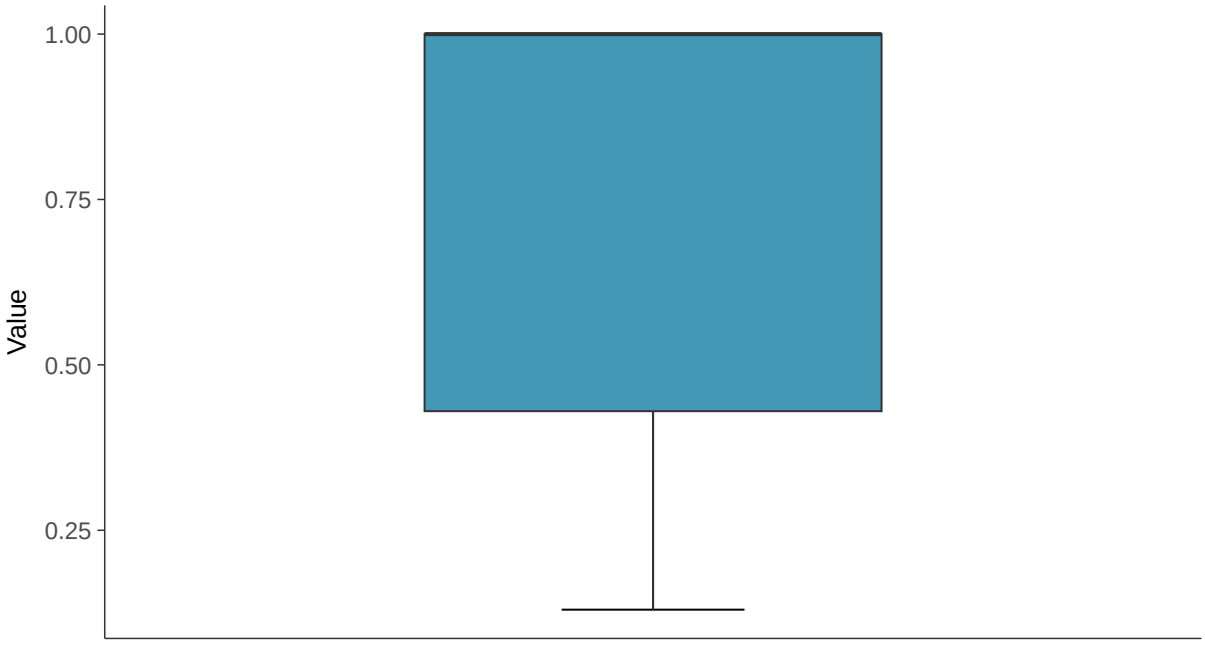
Histogram

Fluoride (App IV), MW-100C (mg/l)



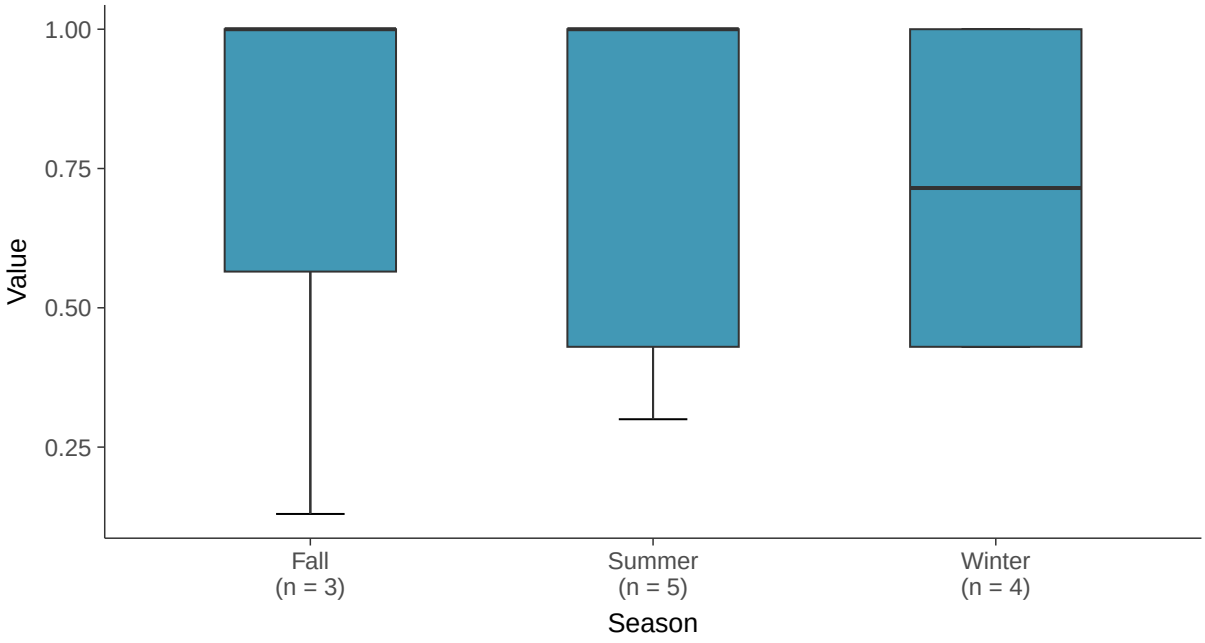
Boxplot

Fluoride (App IV), MW-100C (mg/l)



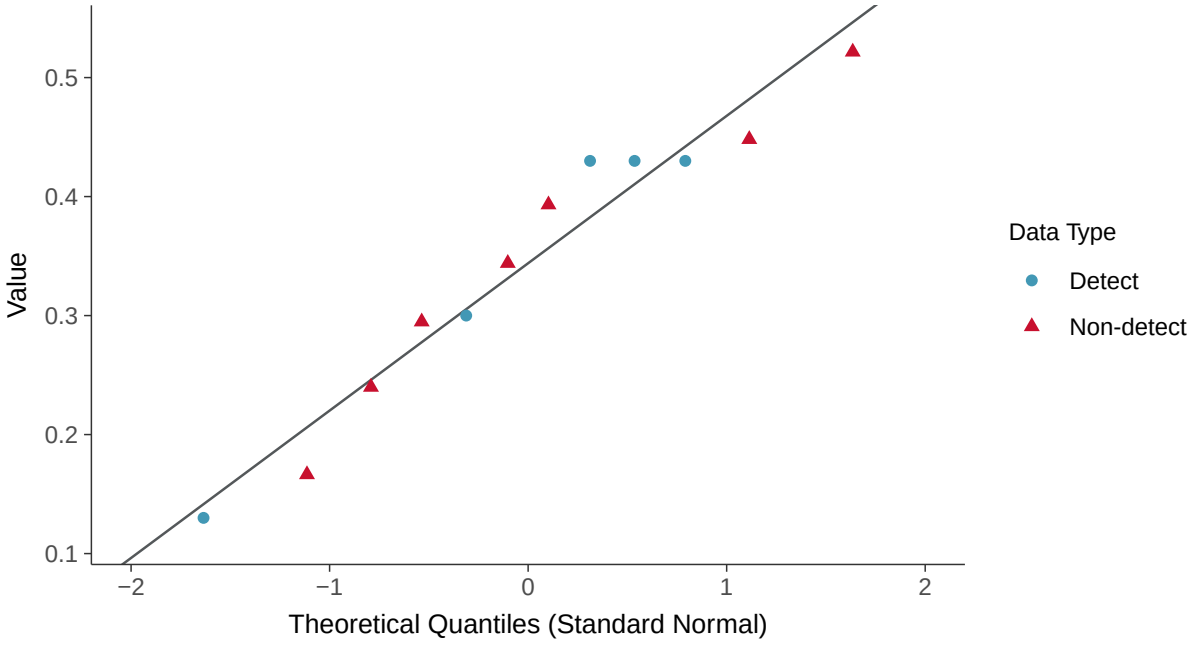
Boxplot by Season

Fluoride (App IV), MW-100C (mg/l)



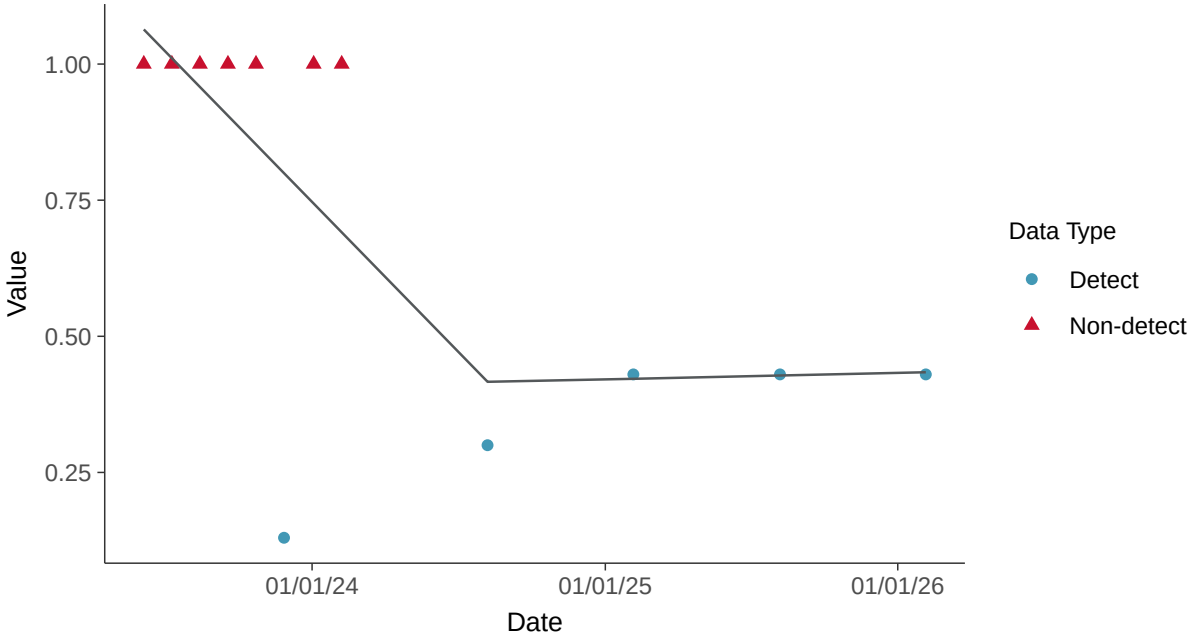
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-100C (mg/l)



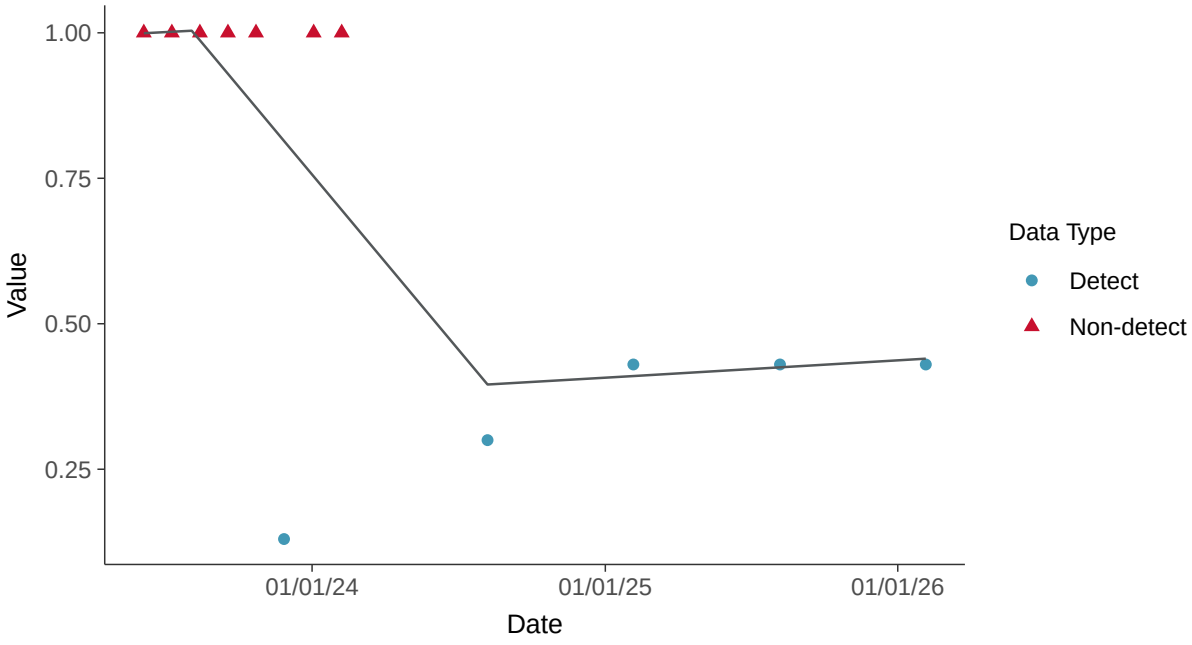
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-100C (mg/l)



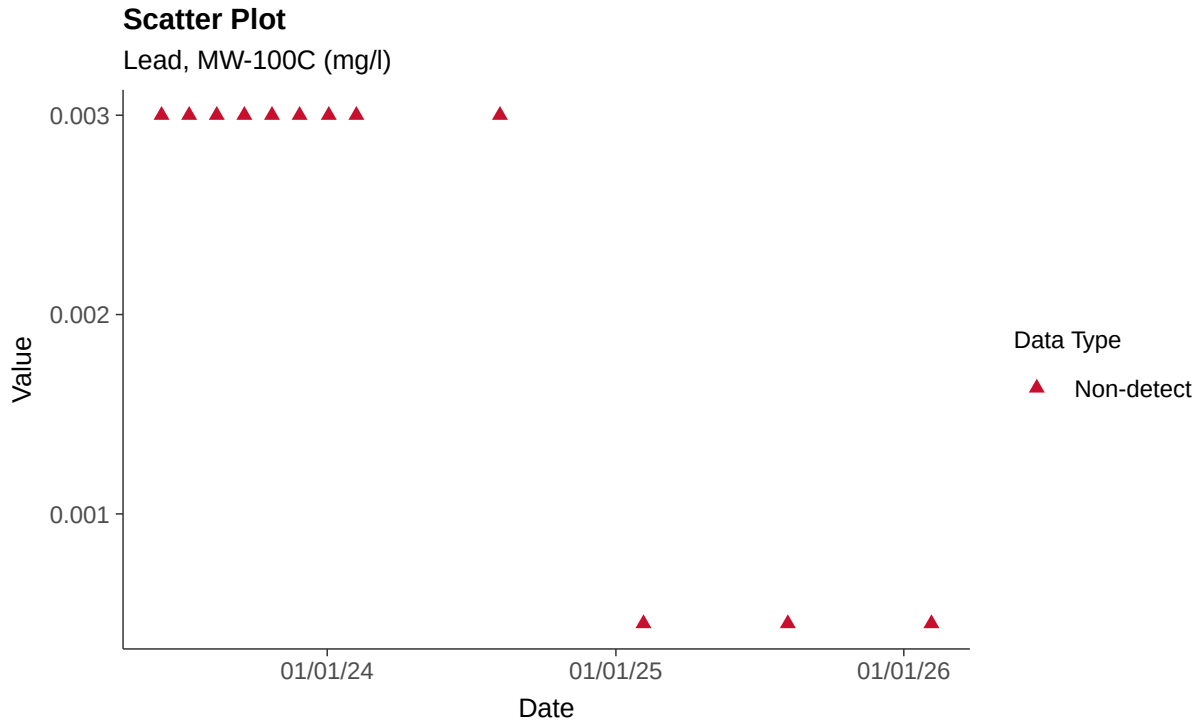
Trend Regression: Piecewise Linear-Linear-Linear

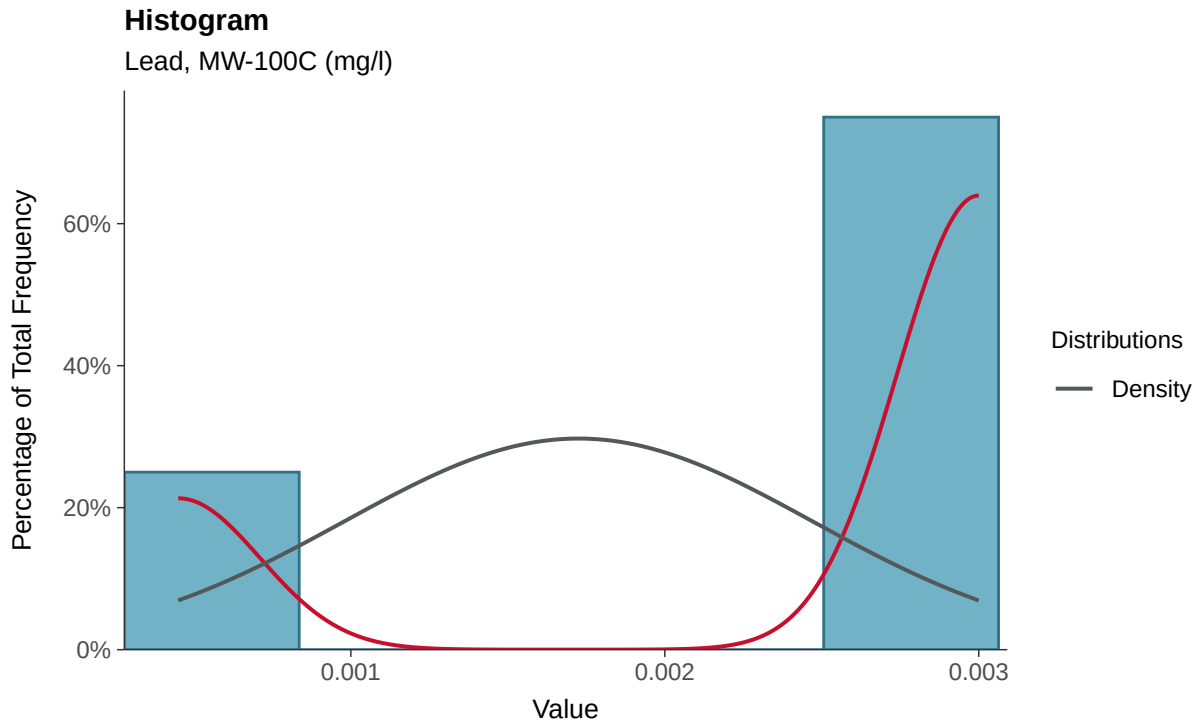
Fluoride (App IV), MW-100C (mg/l)



Appendix IV: Lead, MW-100C

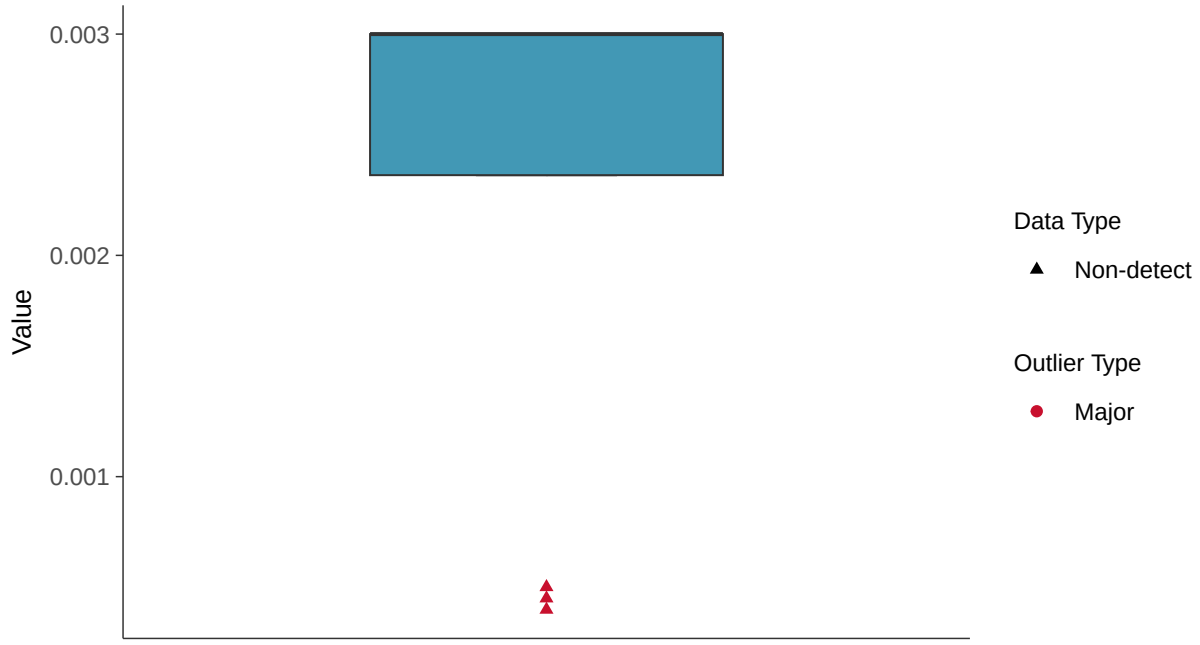
ID: 20_3_115





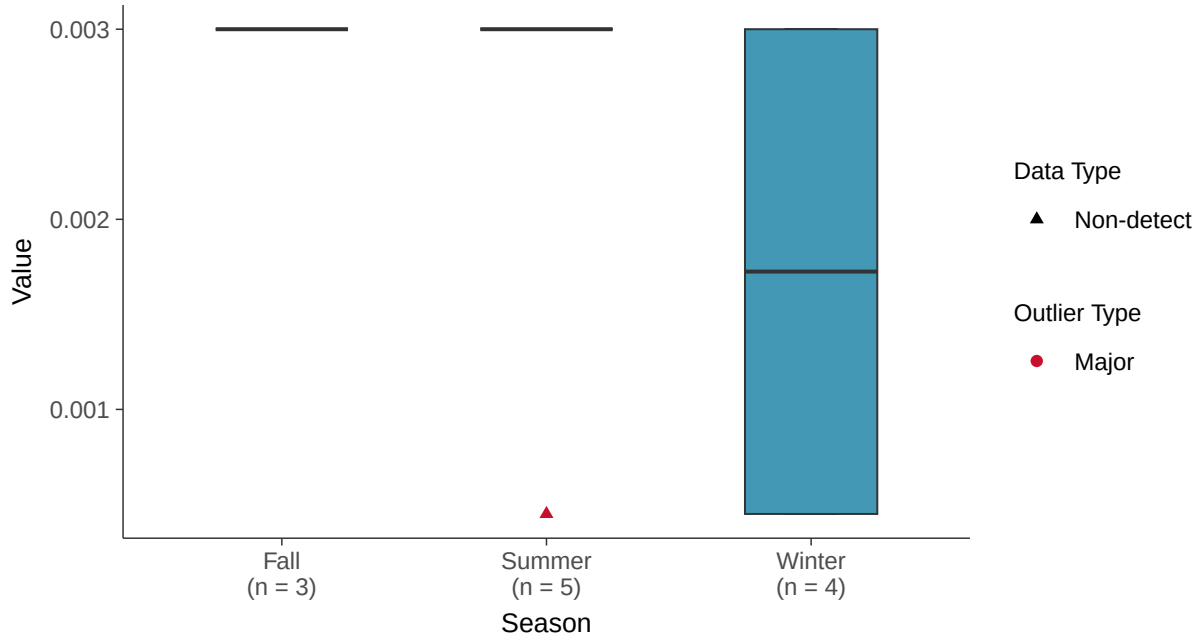
Boxplot

Lead, MW-100C (mg/l)



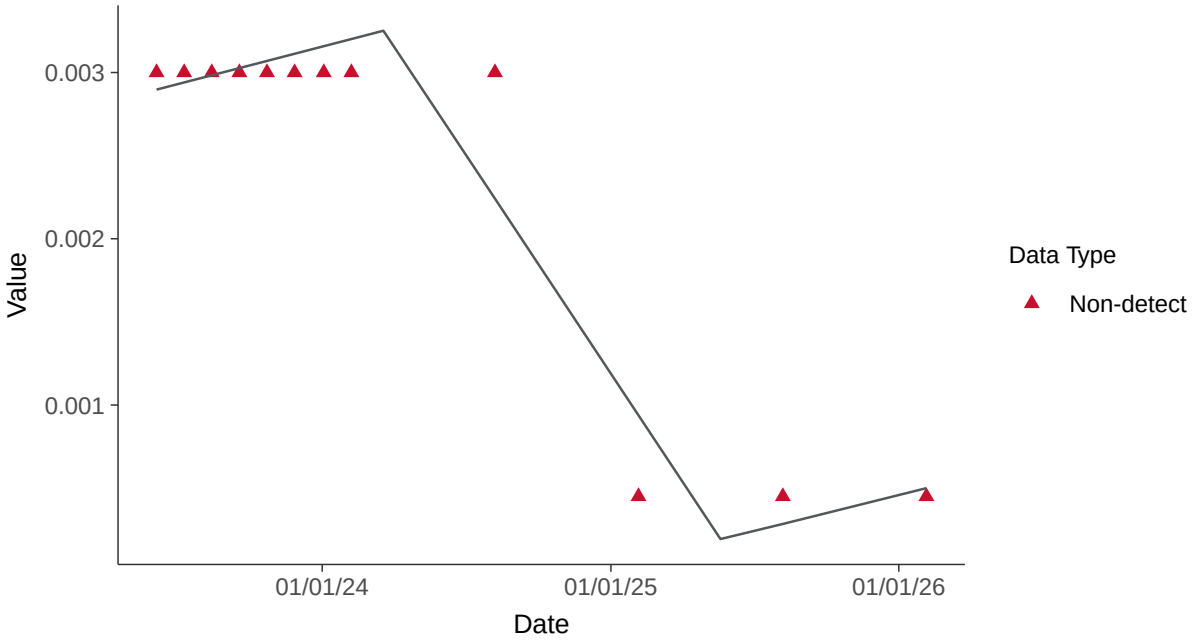
Boxplot by Season

Lead, MW-100C (mg/l)



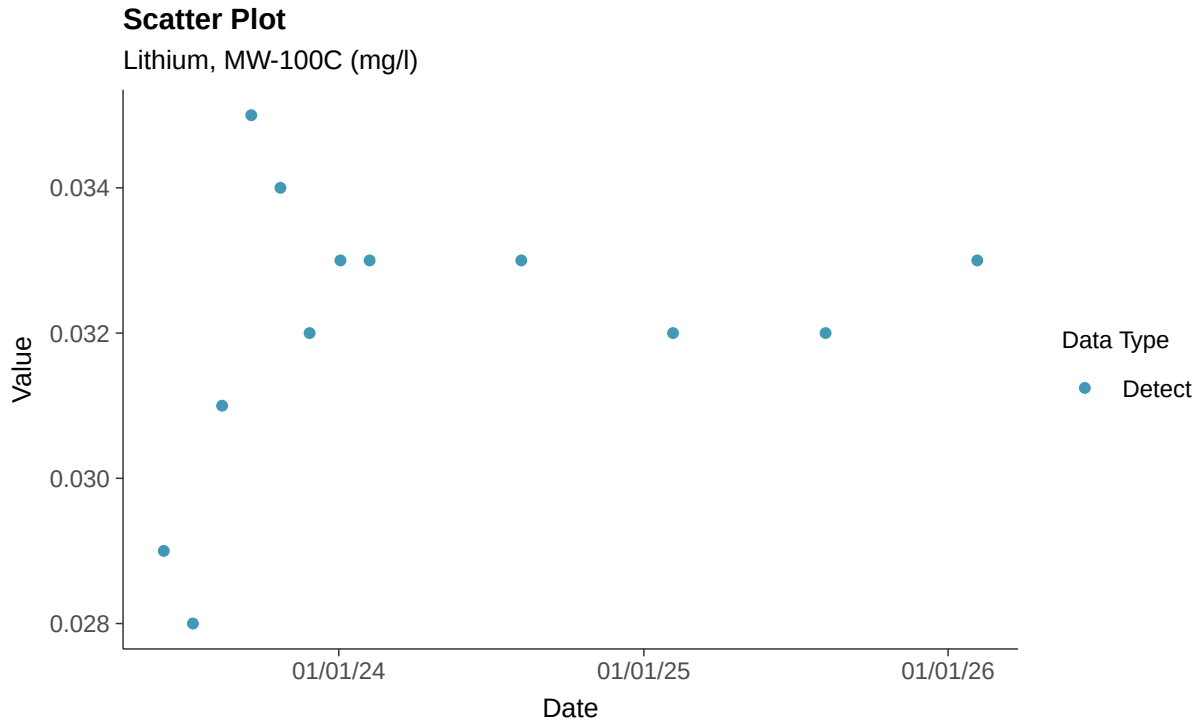
Trend Regression: Piecewise Linear-Linear-Linear

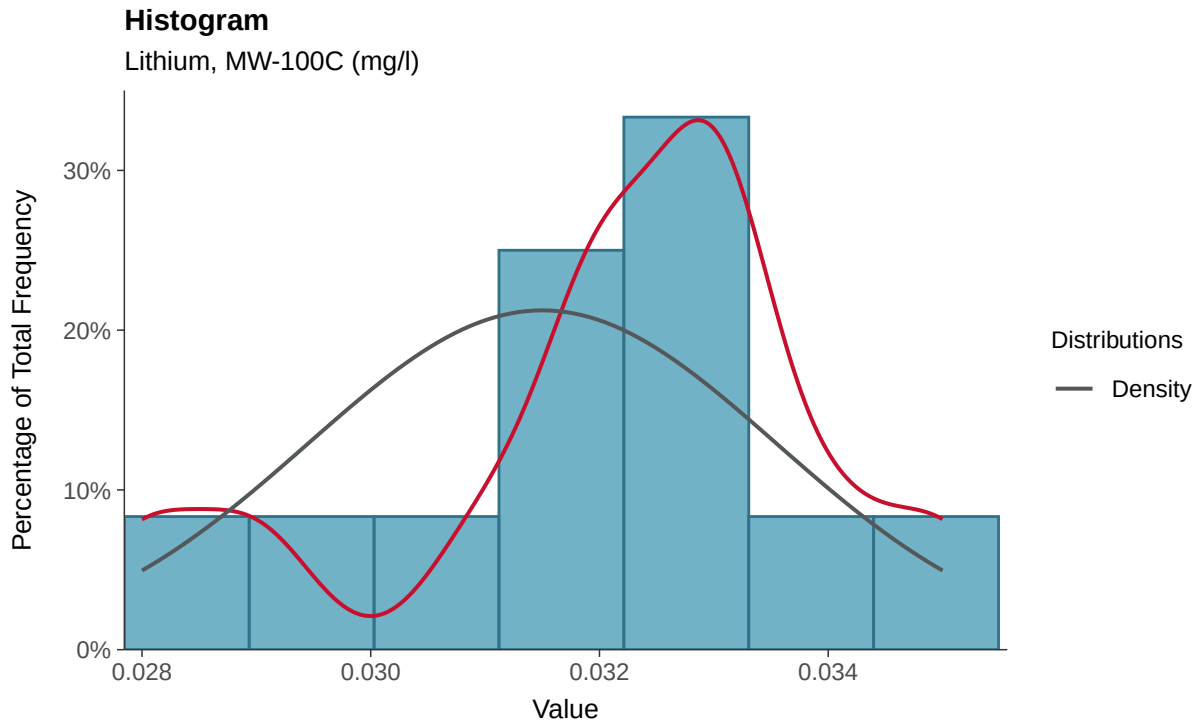
Lead, MW-100C (mg/l)



Appendix IV: Lithium, MW-100C

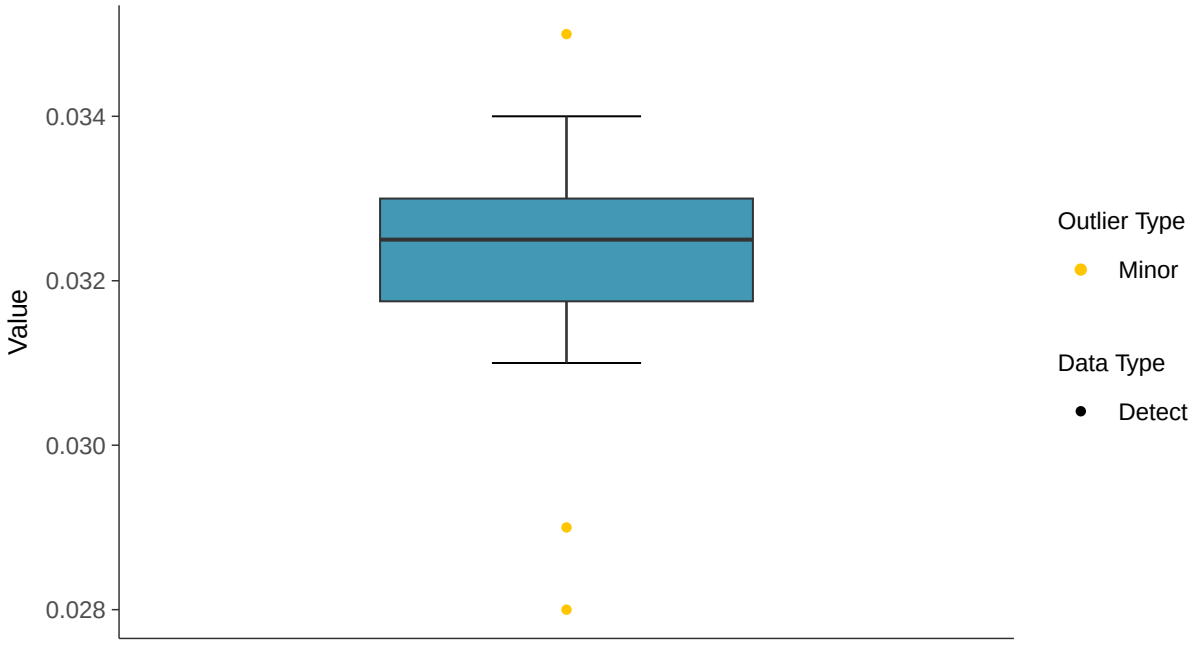
ID: 20_3_116





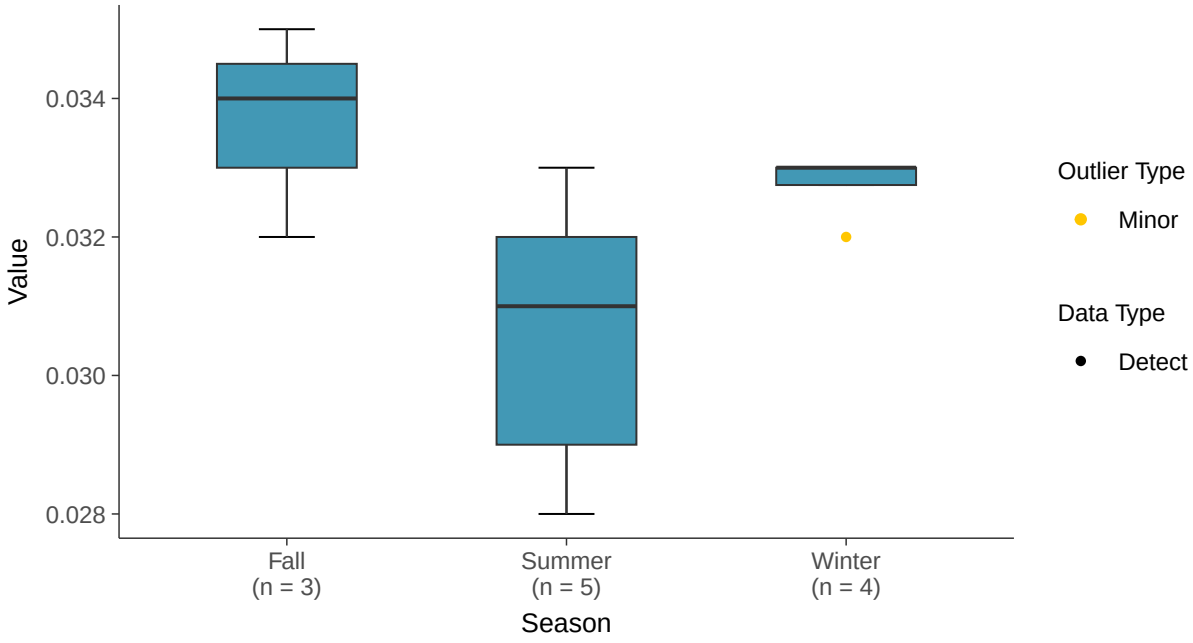
Boxplot

Lithium, MW-100C (mg/l)



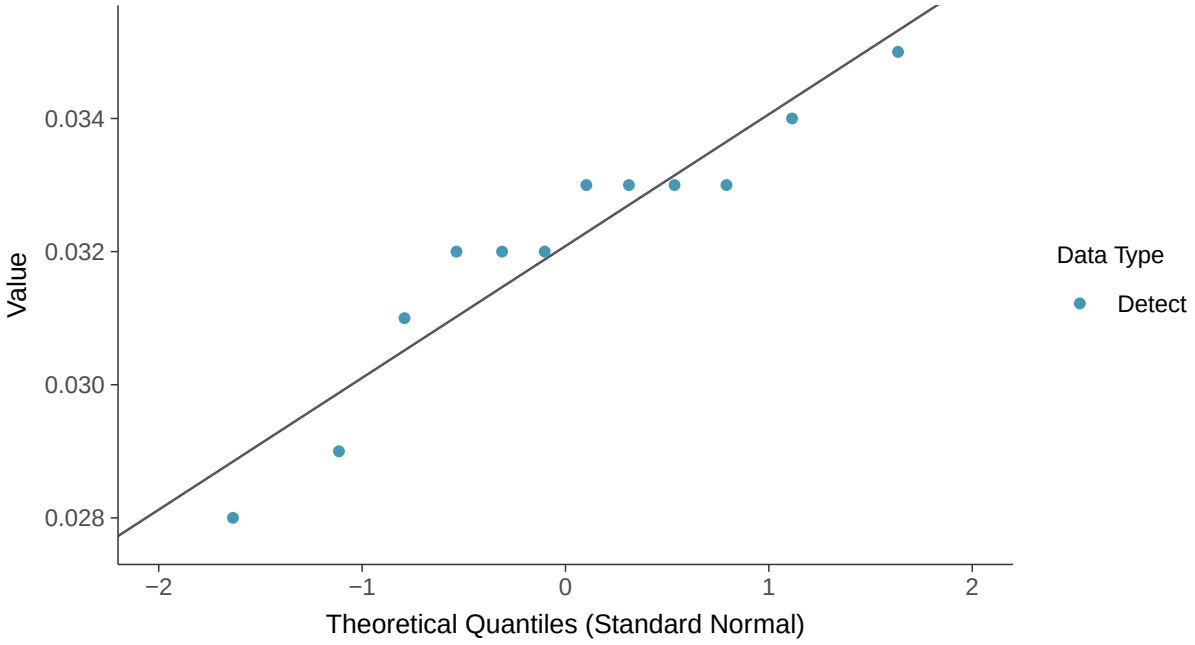
Boxplot by Season

Lithium, MW-100C (mg/l)



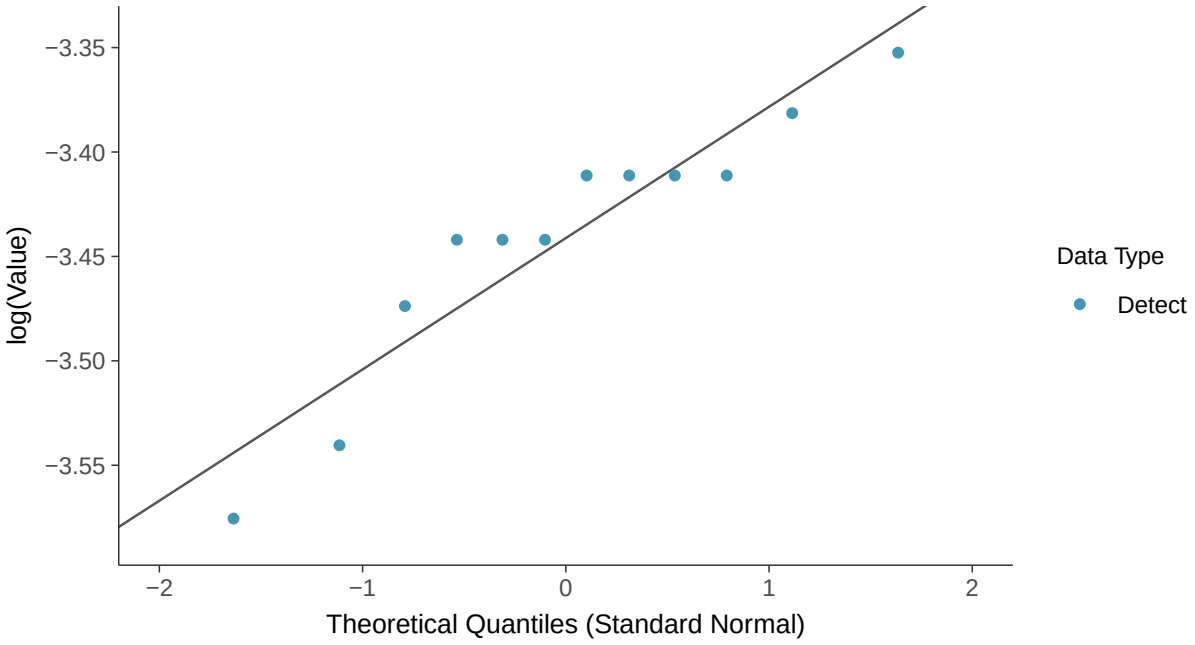
Normal Q-Q plot

Lithium, MW-100C (mg/l)



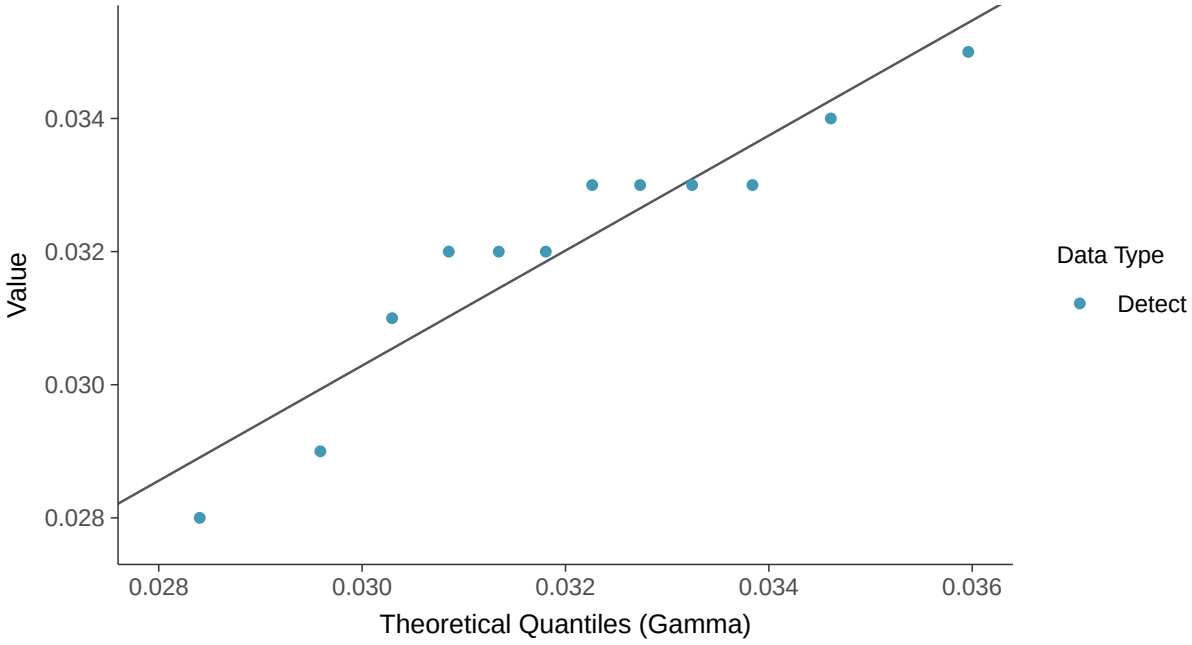
Lognormal Q-Q plot

Lithium, MW-100C (mg/l)



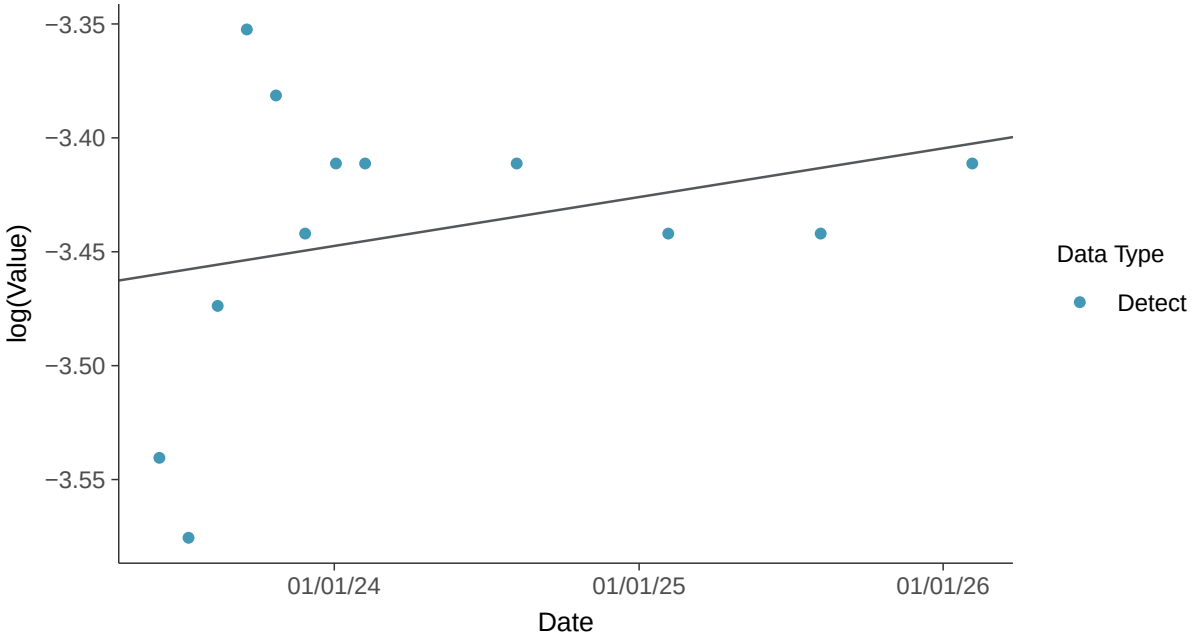
Gamma Q-Q plot

Lithium, MW-100C (mg/l)



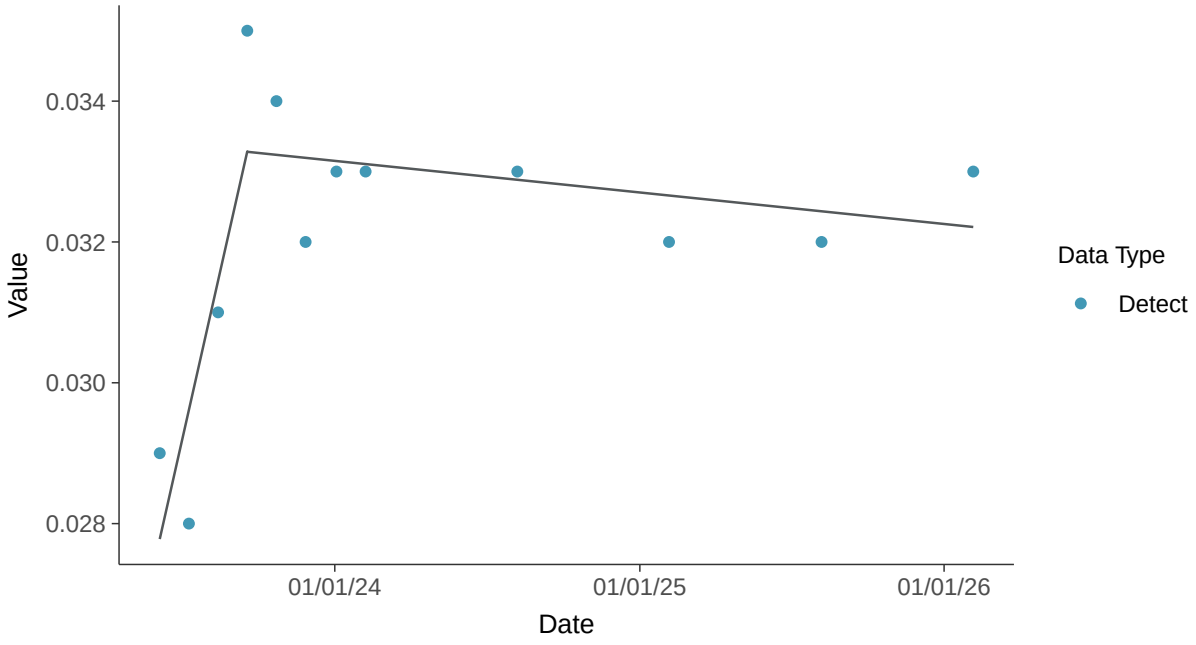
Trend Regression: Lognormal MLE

Lithium, MW-100C (mg/l)



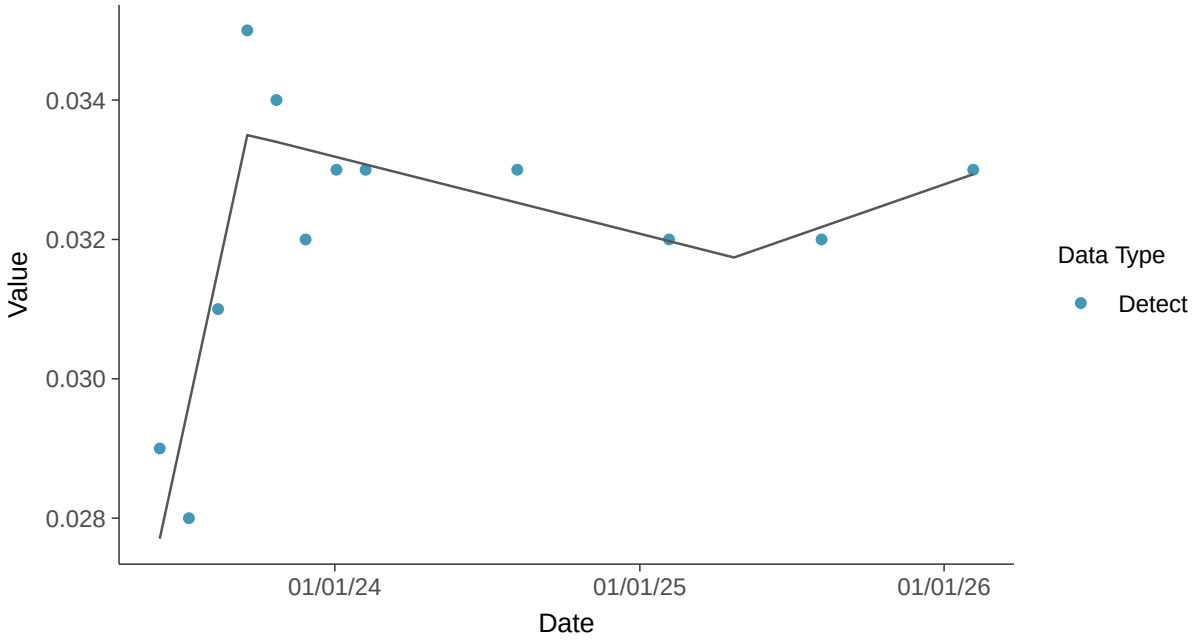
Trend Regression: Piecewise Linear-Linear

Lithium, MW-100C (mg/l)



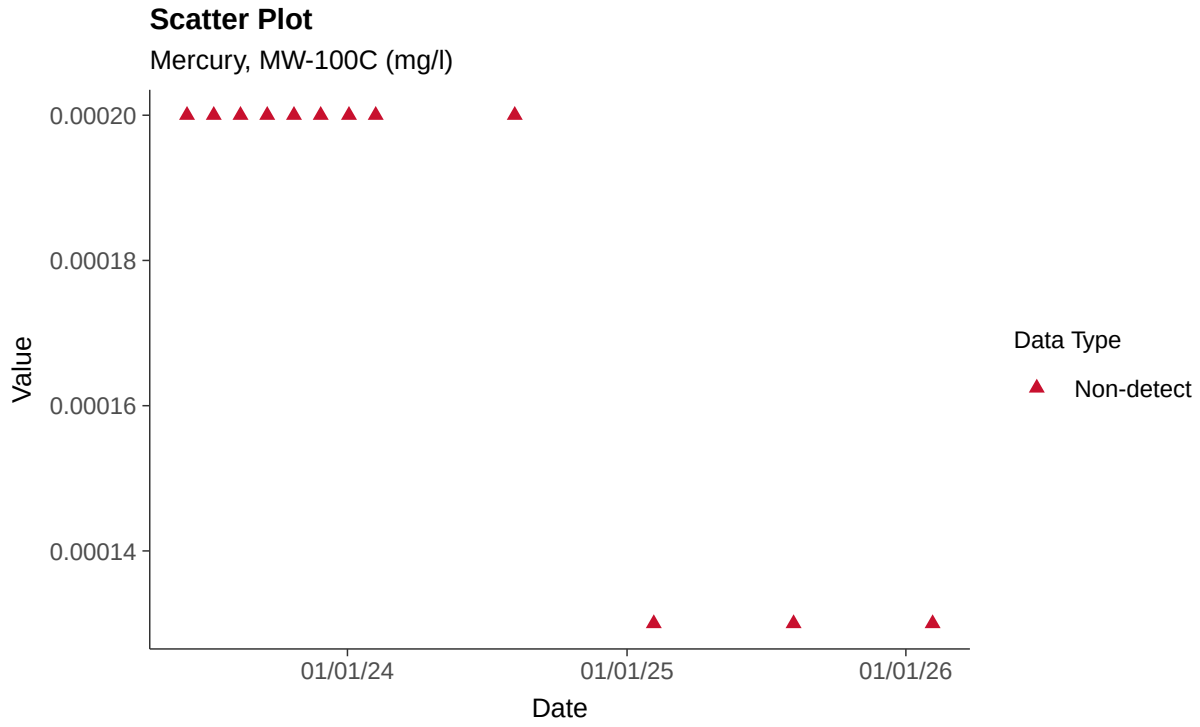
Trend Regression: Piecewise Linear-Linear-Linear

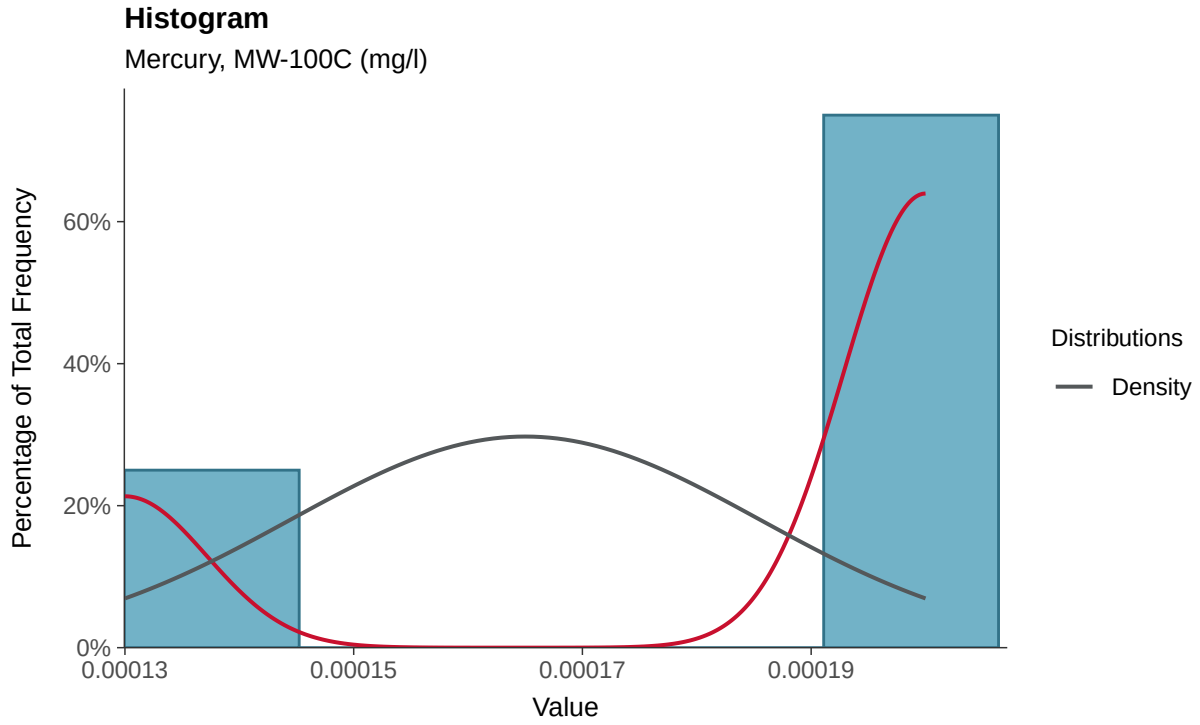
Lithium, MW-100C (mg/l)



Appendix IV: Mercury, MW-100C

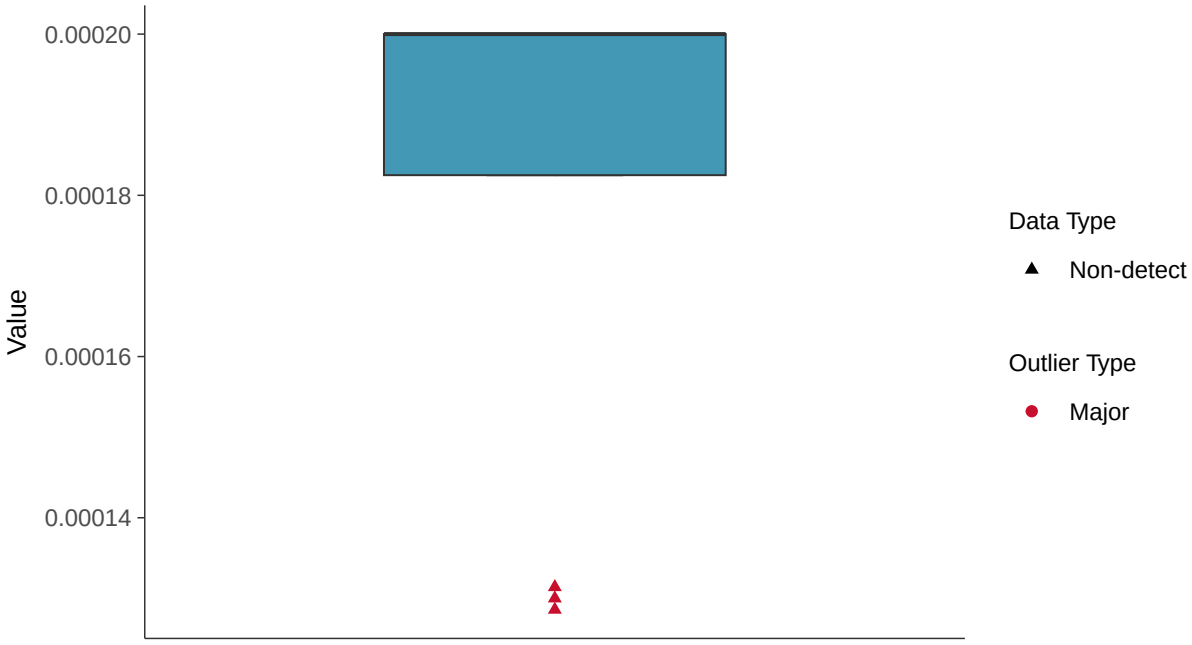
ID: 20_3_117





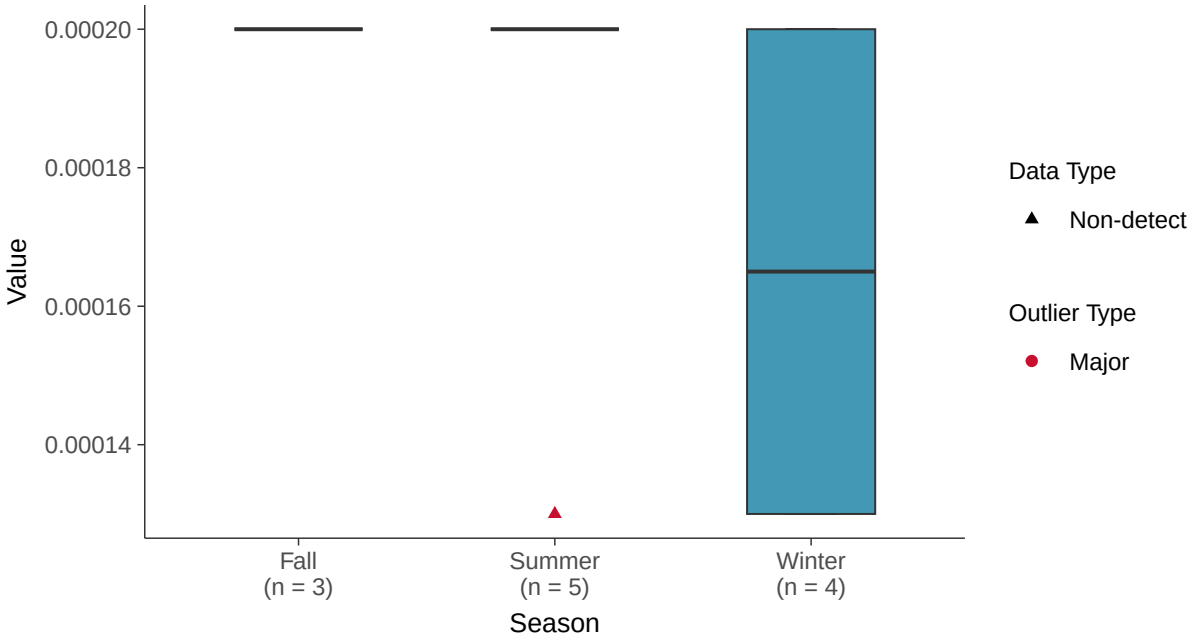
Boxplot

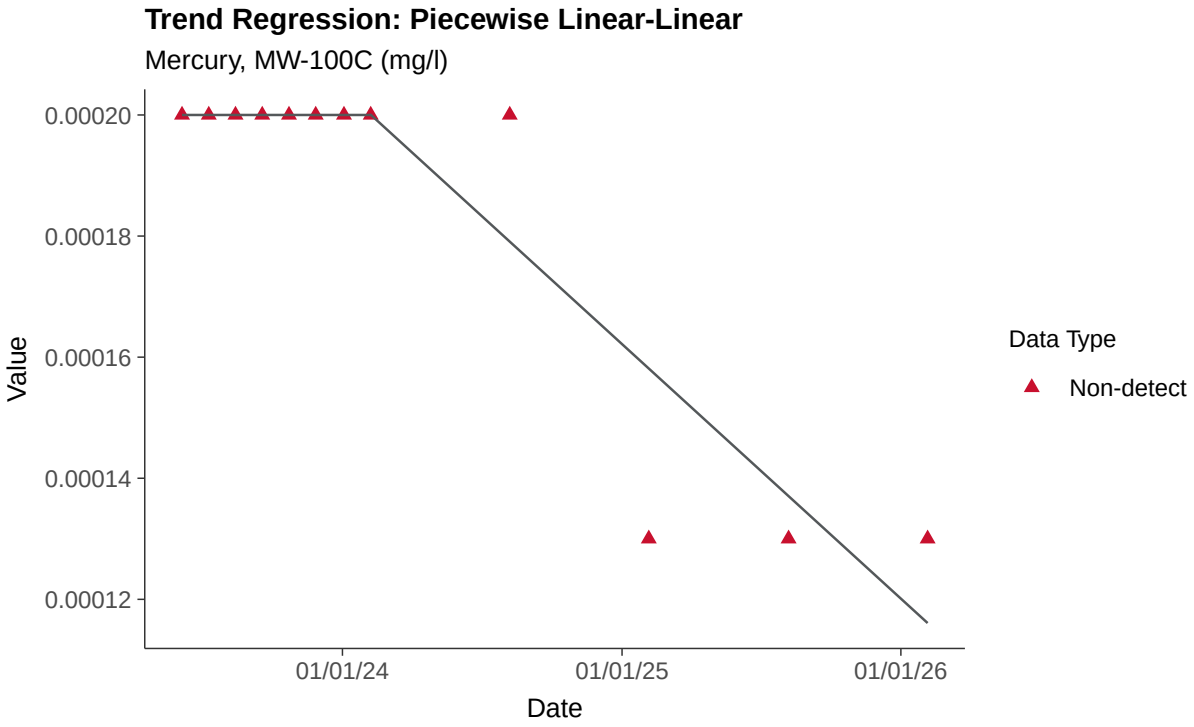
Mercury, MW-100C (mg/l)



Boxplot by Season

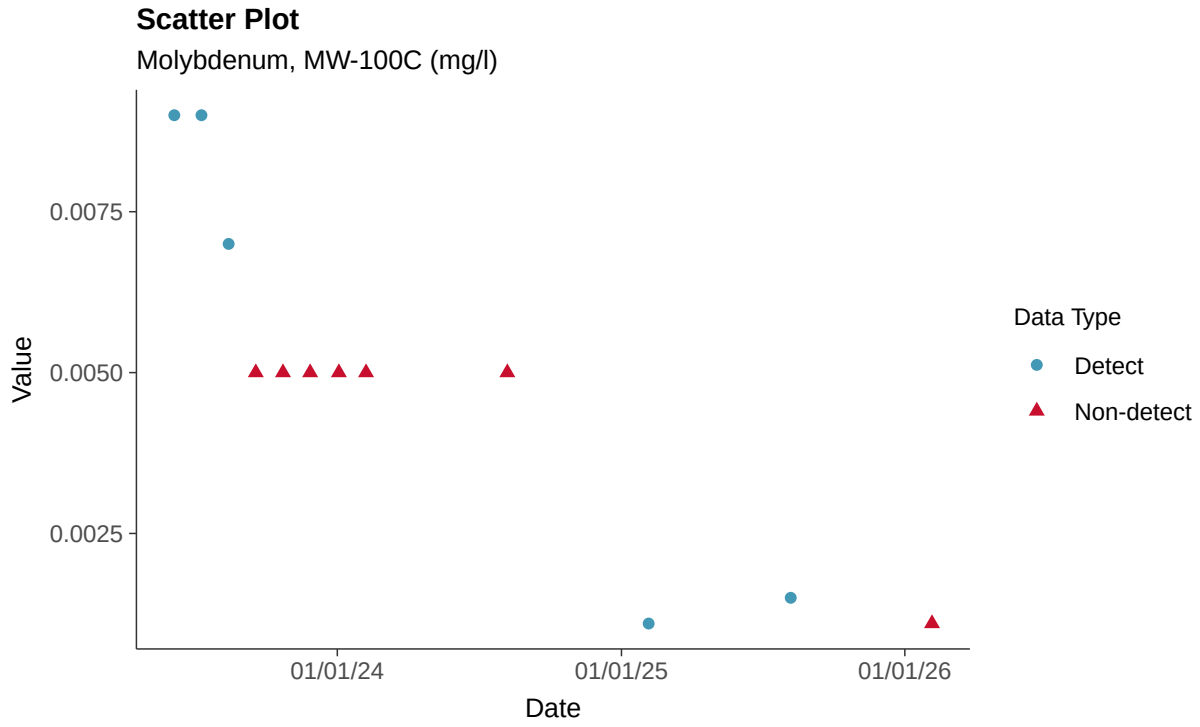
Mercury, MW-100C (mg/l)

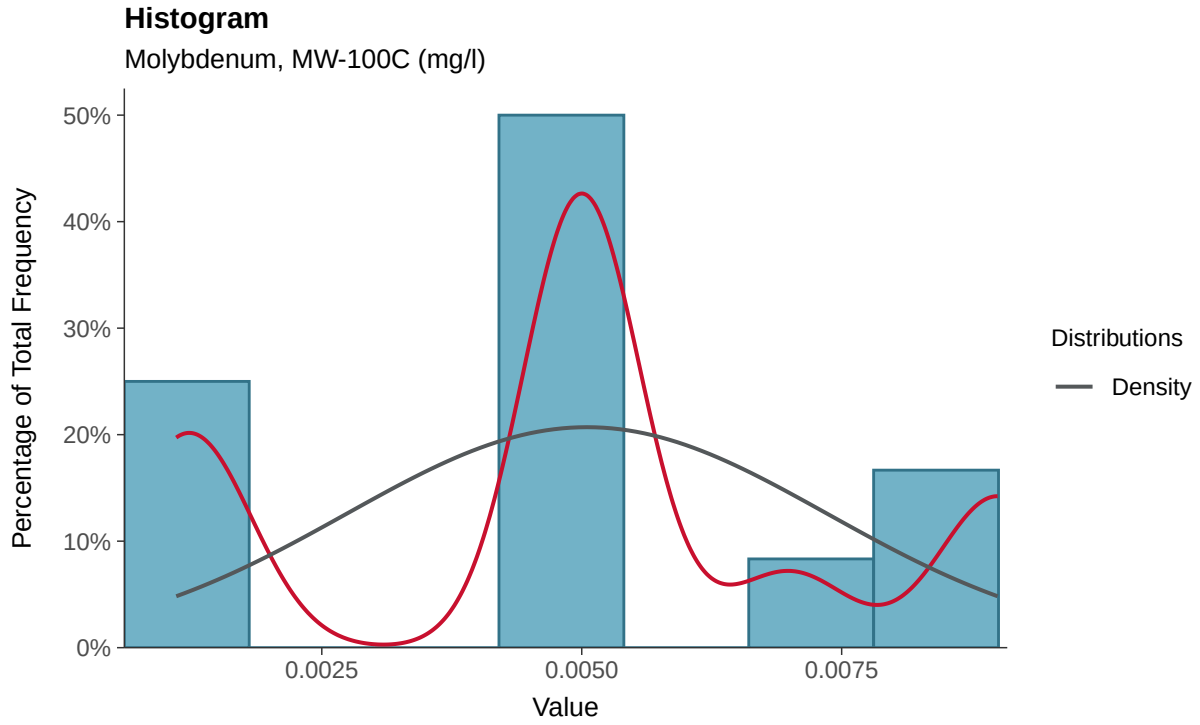



Trend Regression: Piecewise Linear-Linear
Mercury, MW-100C (mg/l)
Value
0.00020
0.00018
0.00016
0.00014
0.00012
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Molybdenum, MW-100C

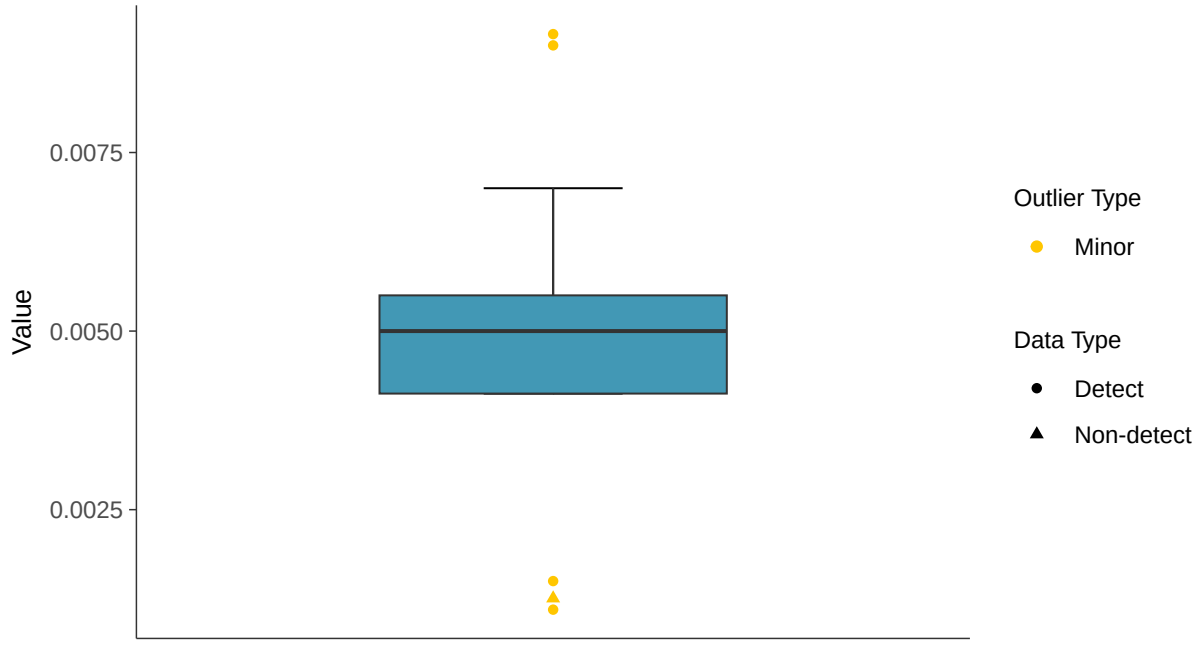
ID: 20_3_118





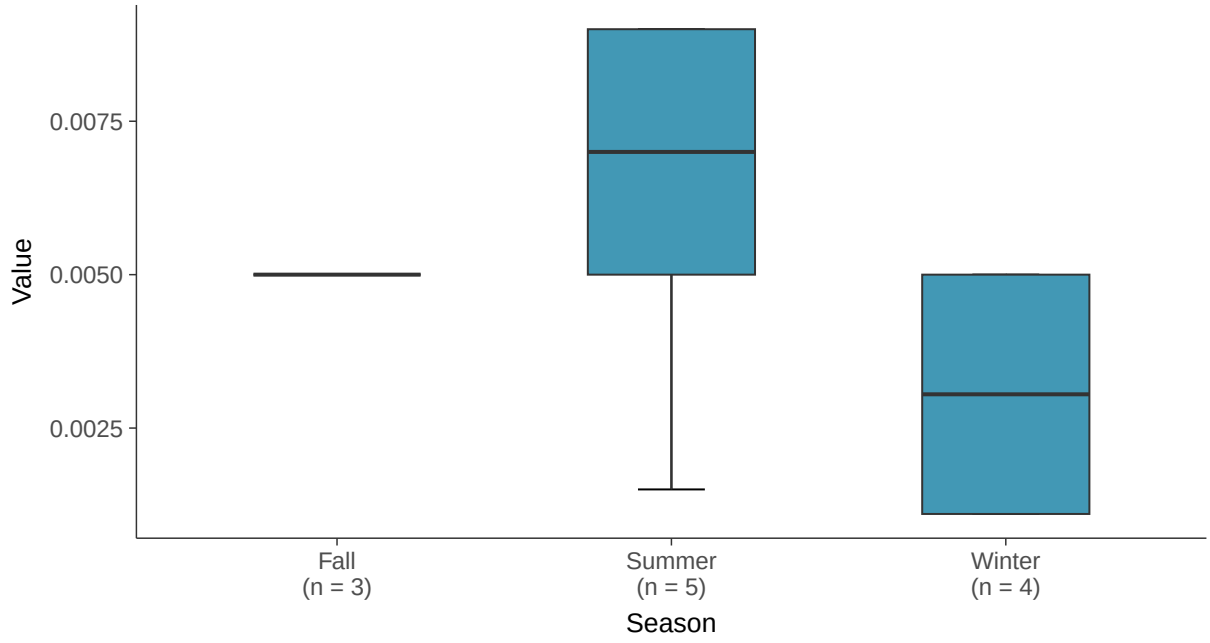
Boxplot

Molybdenum, MW-100C (mg/l)



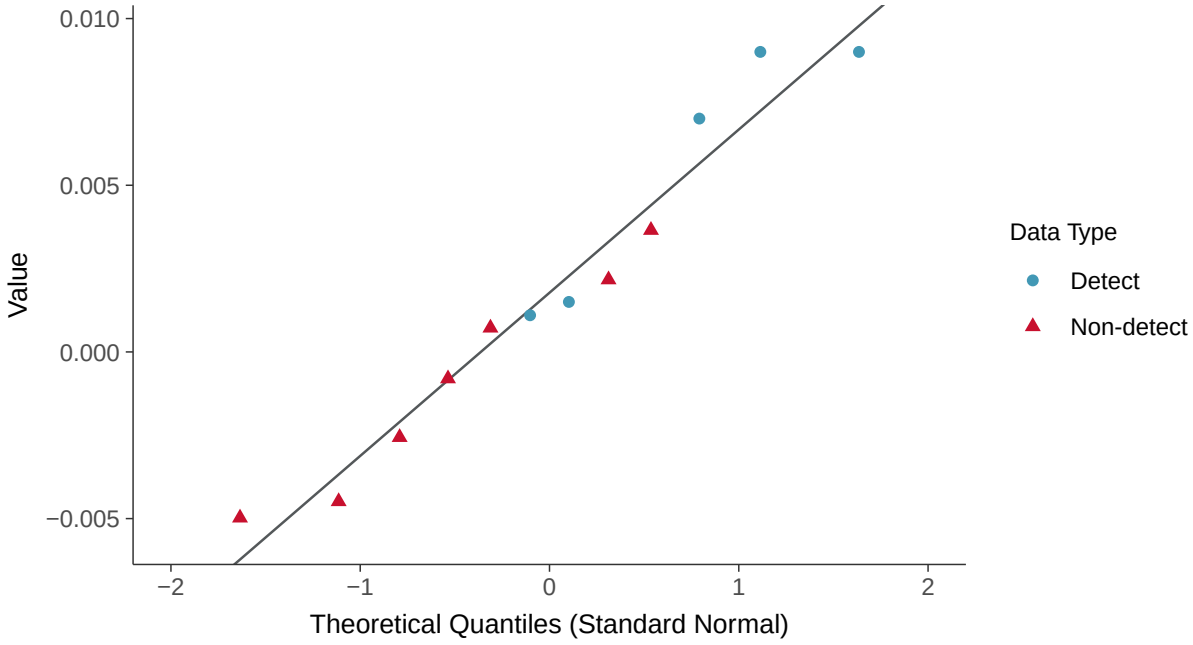
Boxplot by Season

Molybdenum, MW-100C (mg/l)



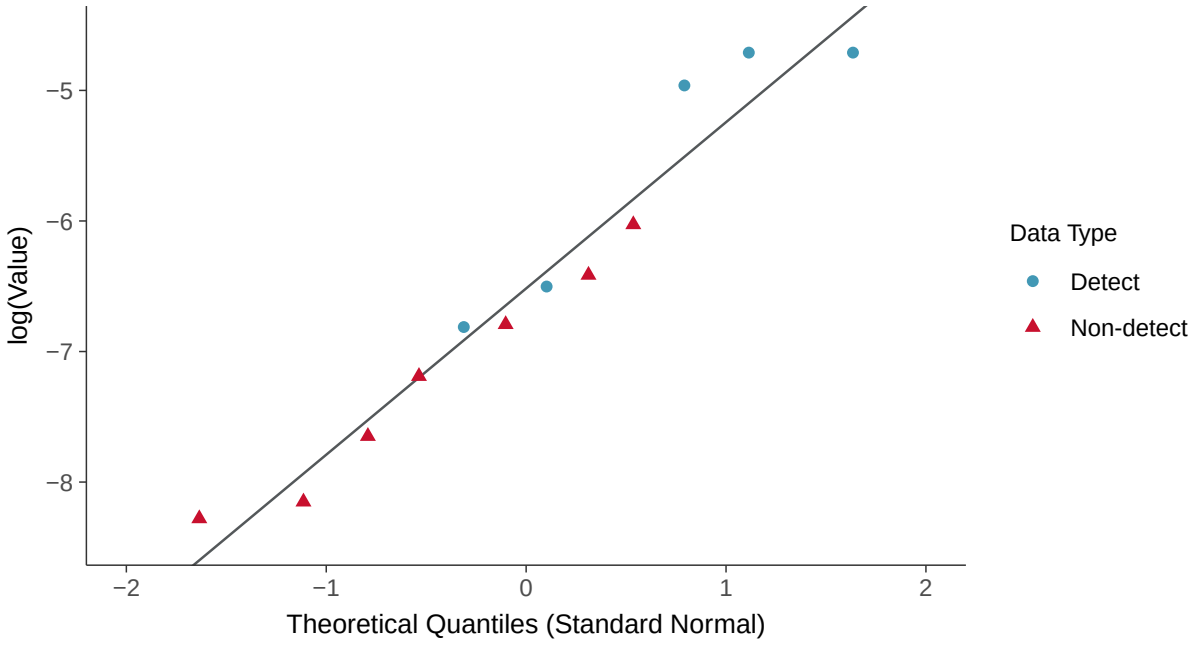
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-100C (mg/l)



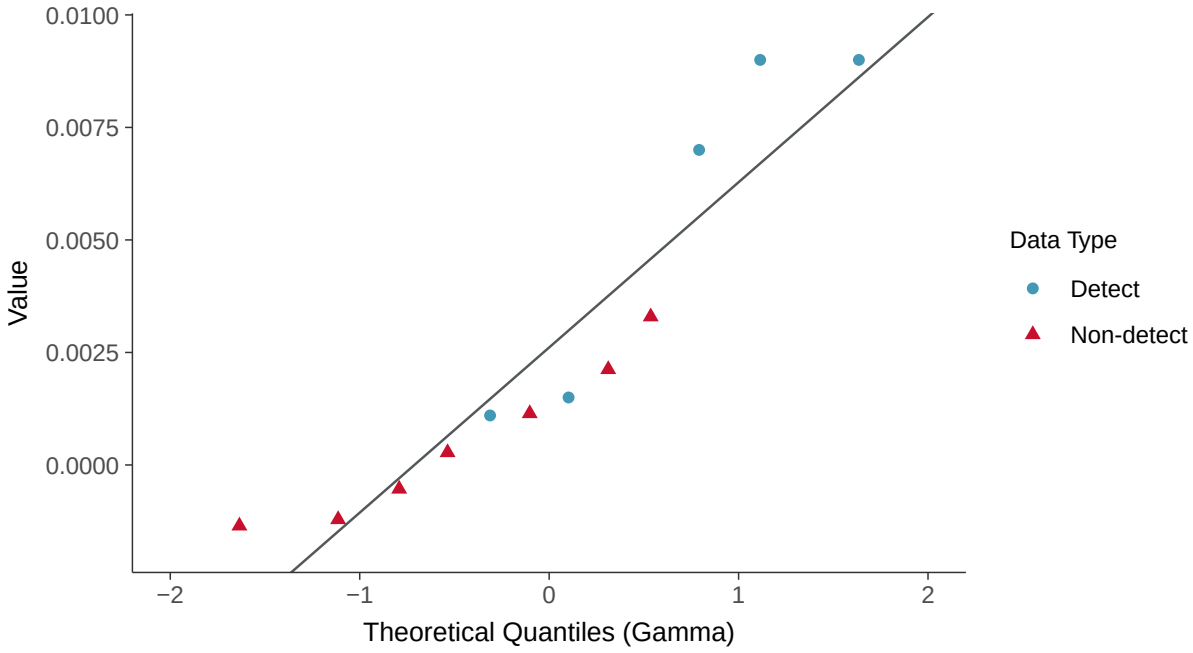
Lognormal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-100C (mg/l)



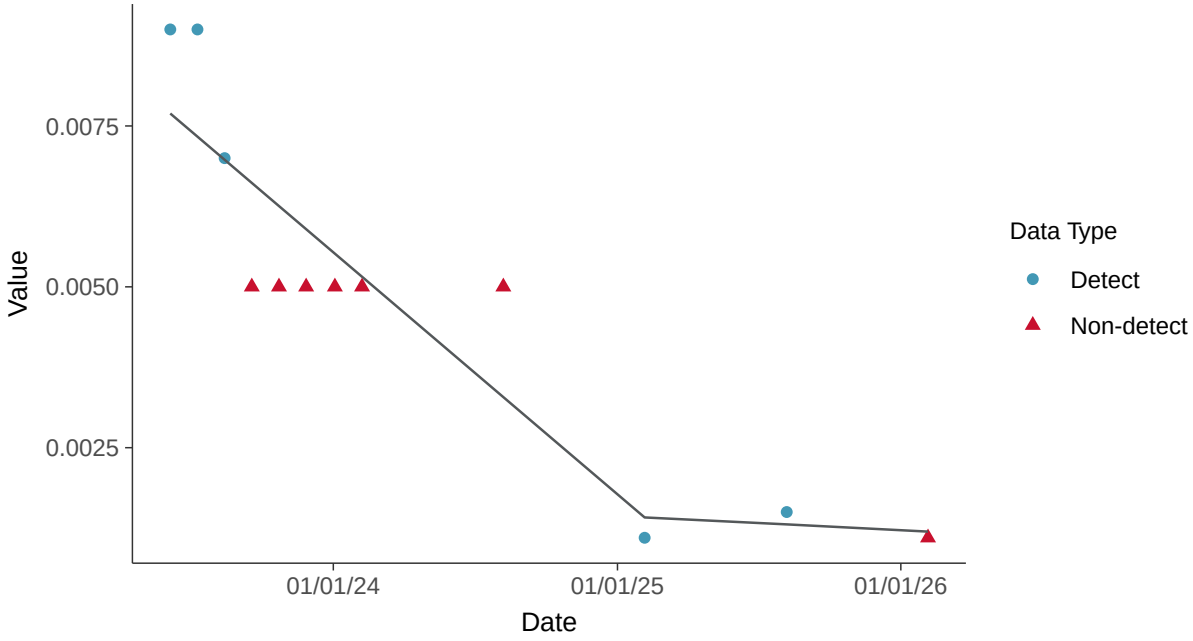
Gamma Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-100C (mg/l)



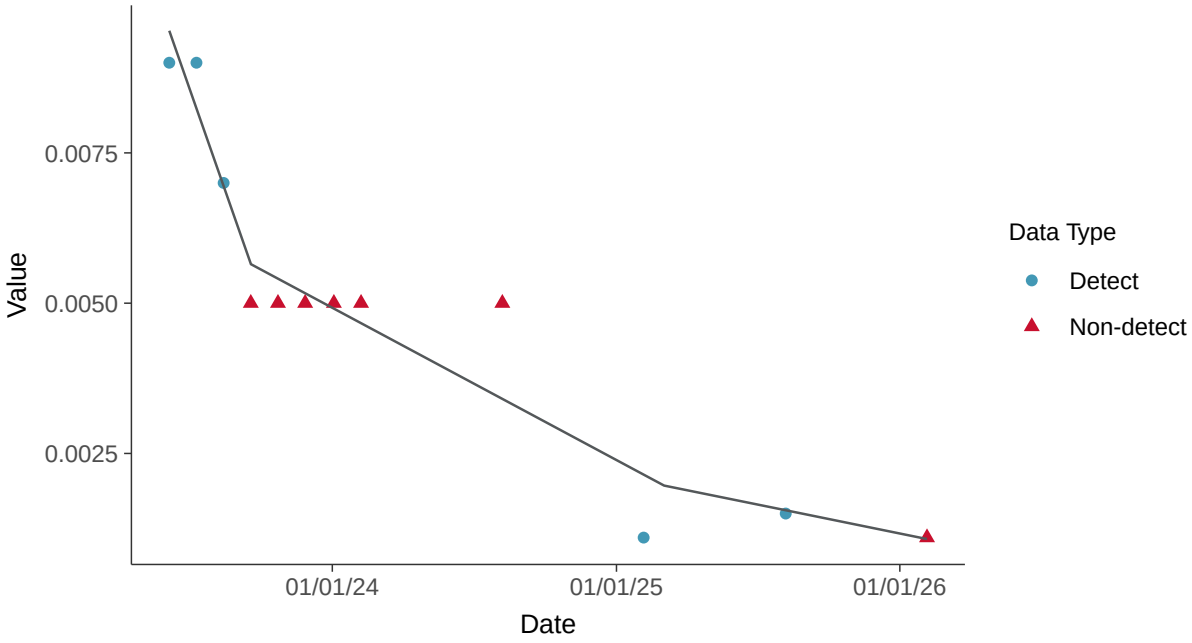
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-100C (mg/l)



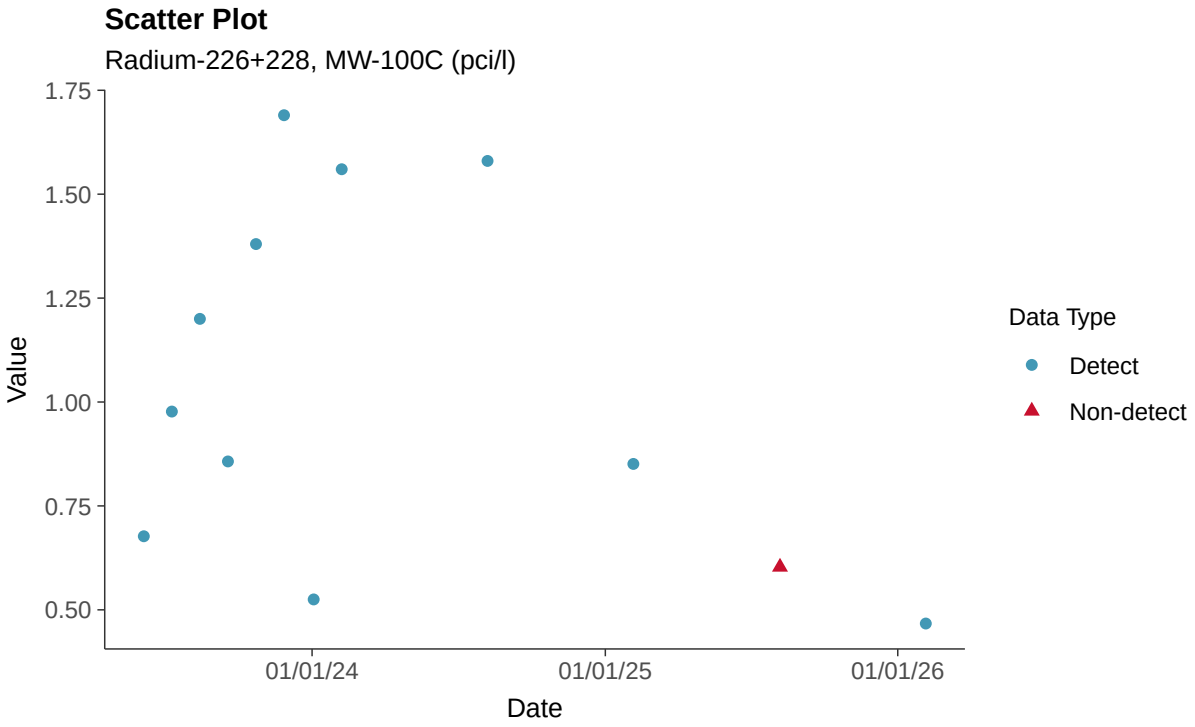
Trend Regression: Piecewise Linear-Linear-Linear

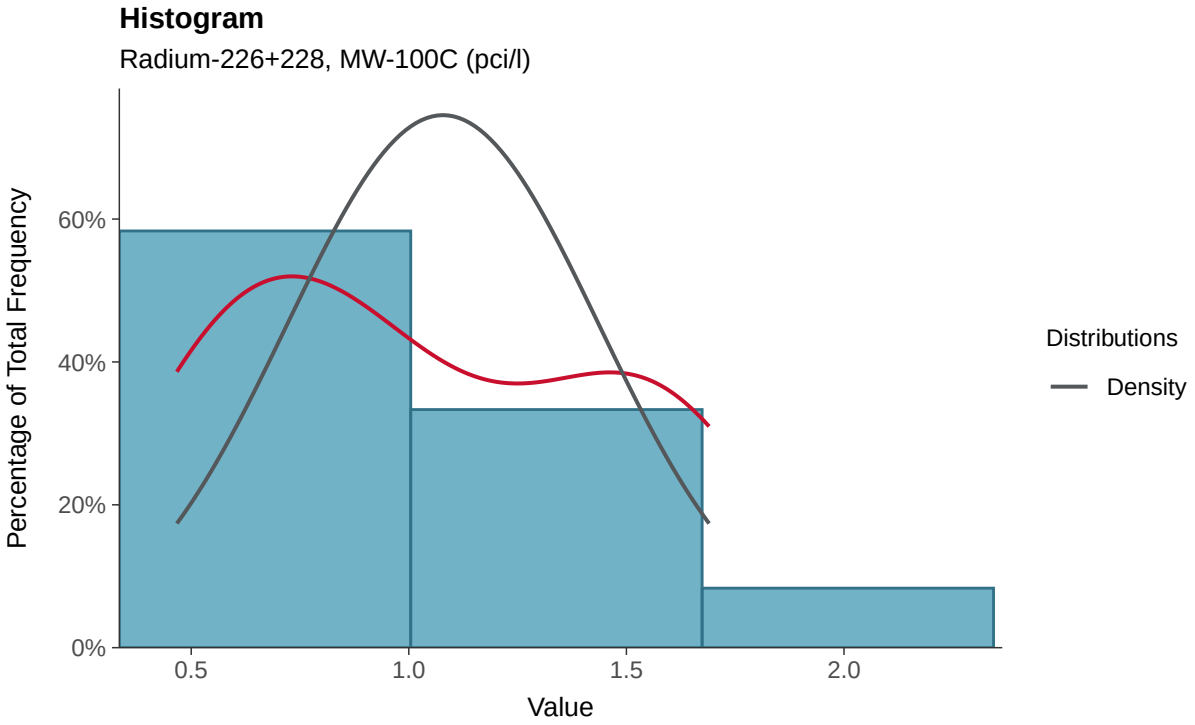
Molybdenum, MW-100C (mg/l)



Appendix IV: Radium-226+228, MW-100C

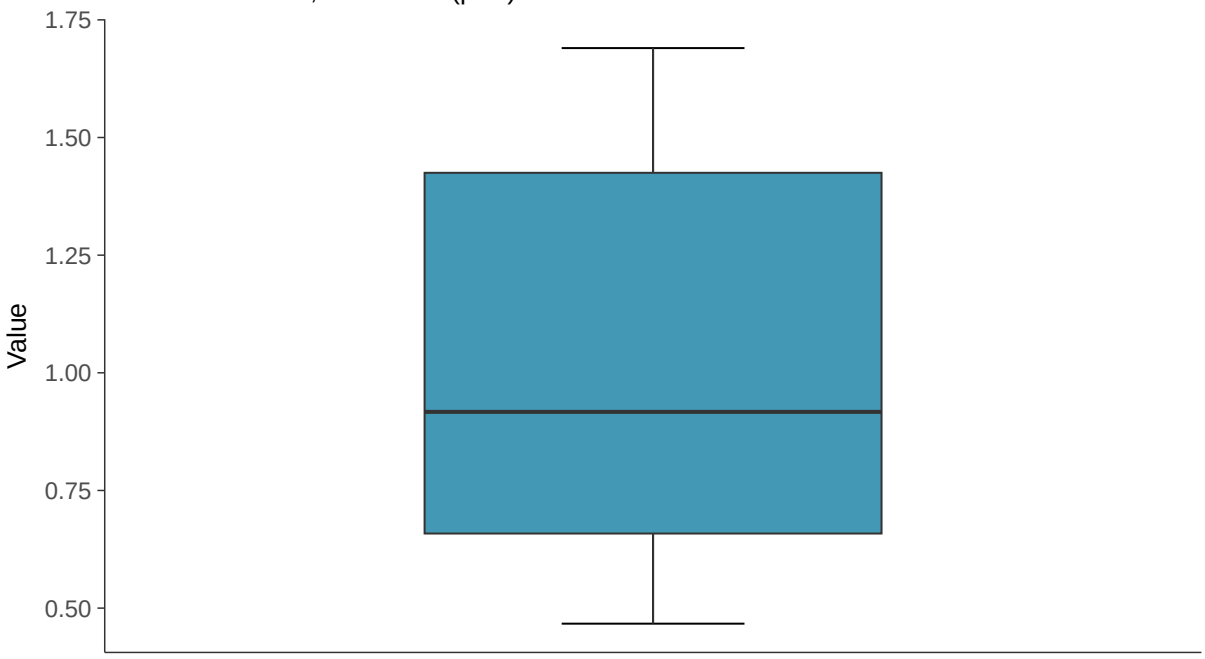
ID: 20_3_121





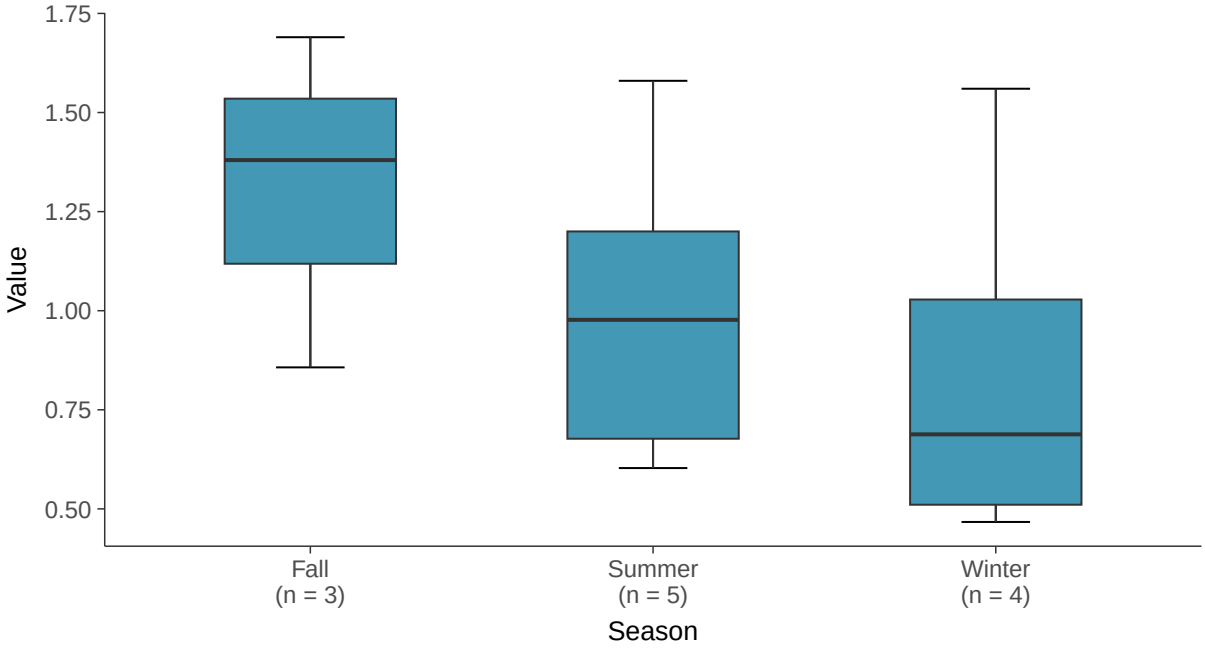
Boxplot

Radium-226+228, MW-100C (pci/l)



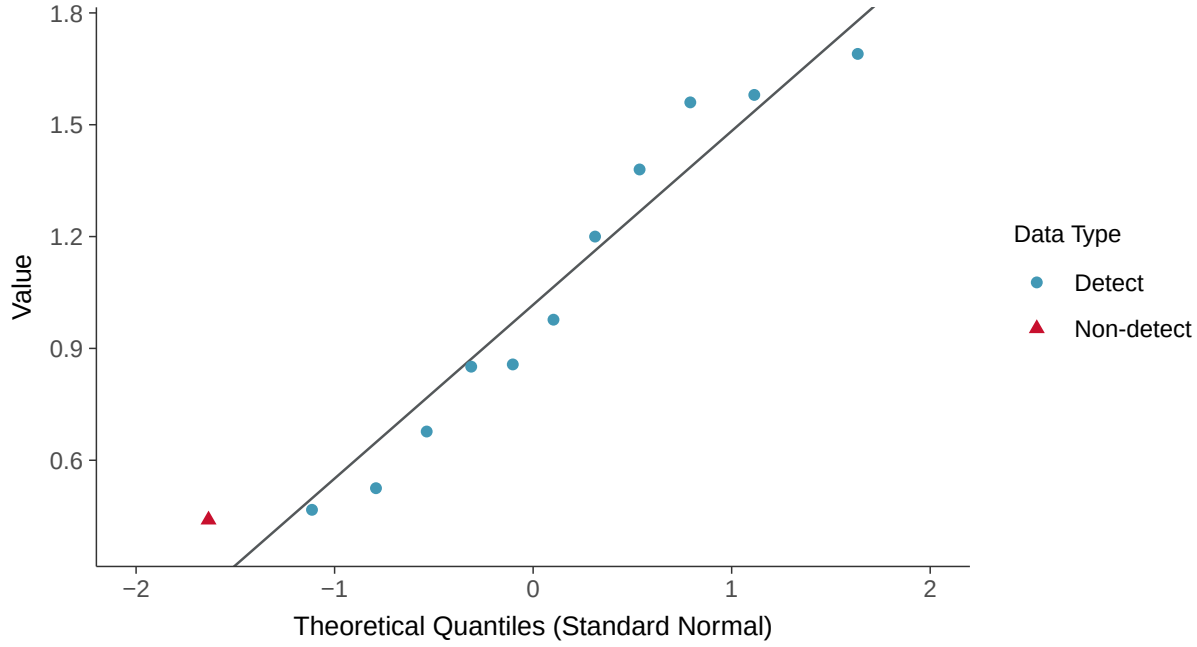
Boxplot by Season

Radium-226+228, MW-100C (pci/l)



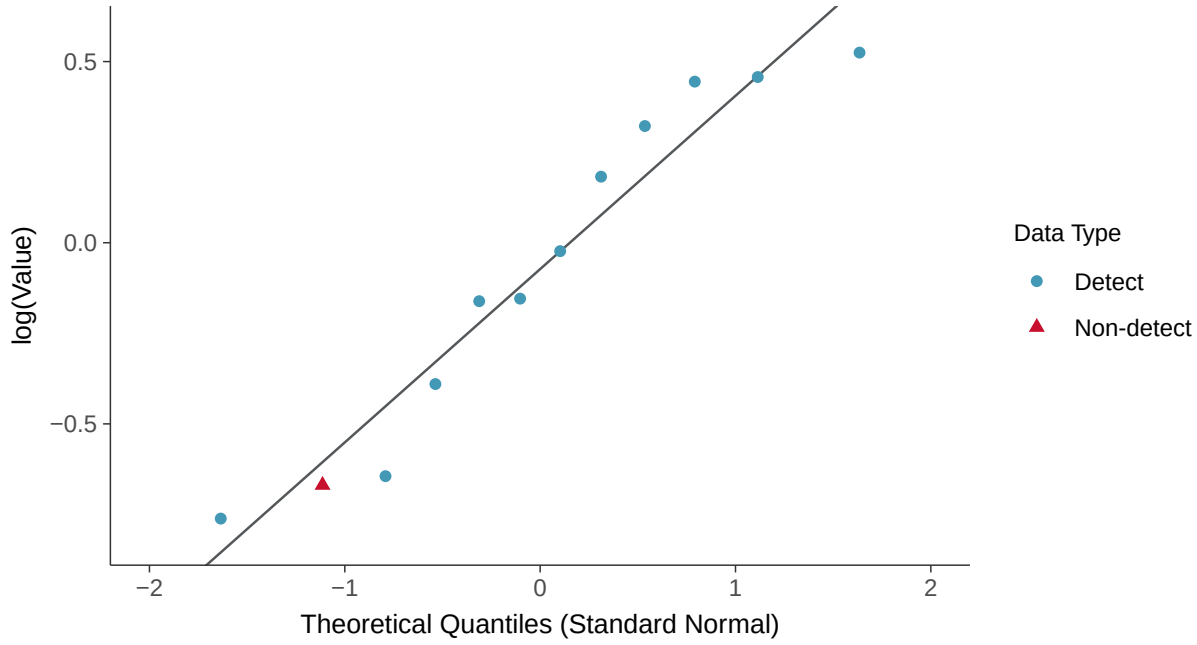
Normal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-100C (pci/l)



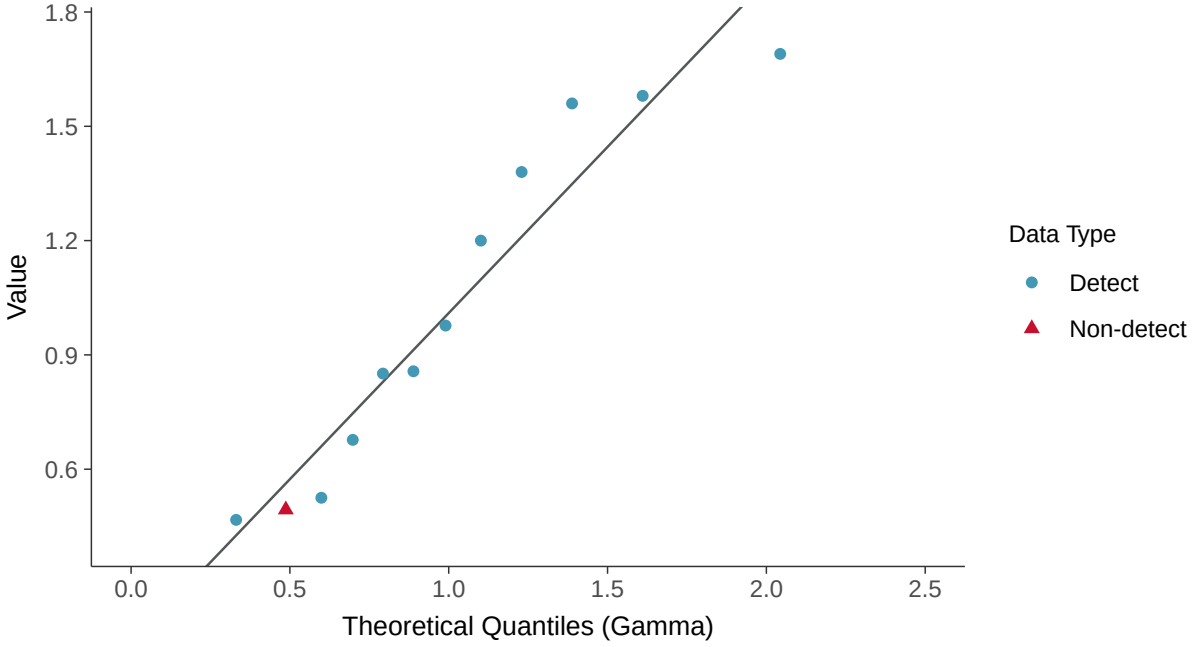
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-100C (pci/l)



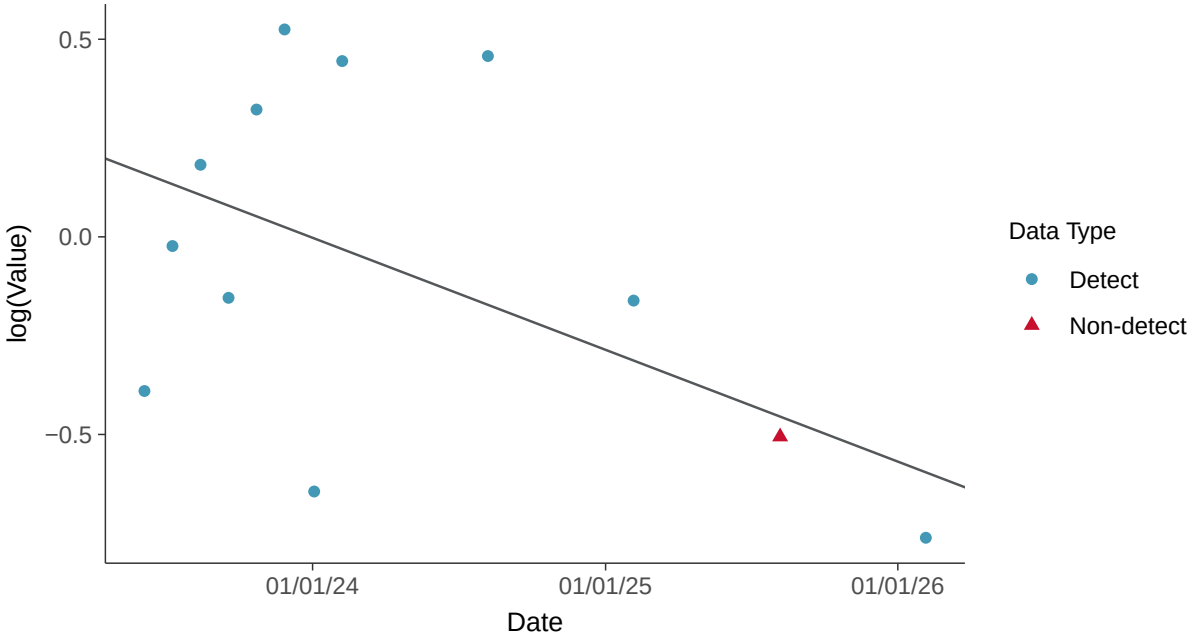
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-100C (pci/l)



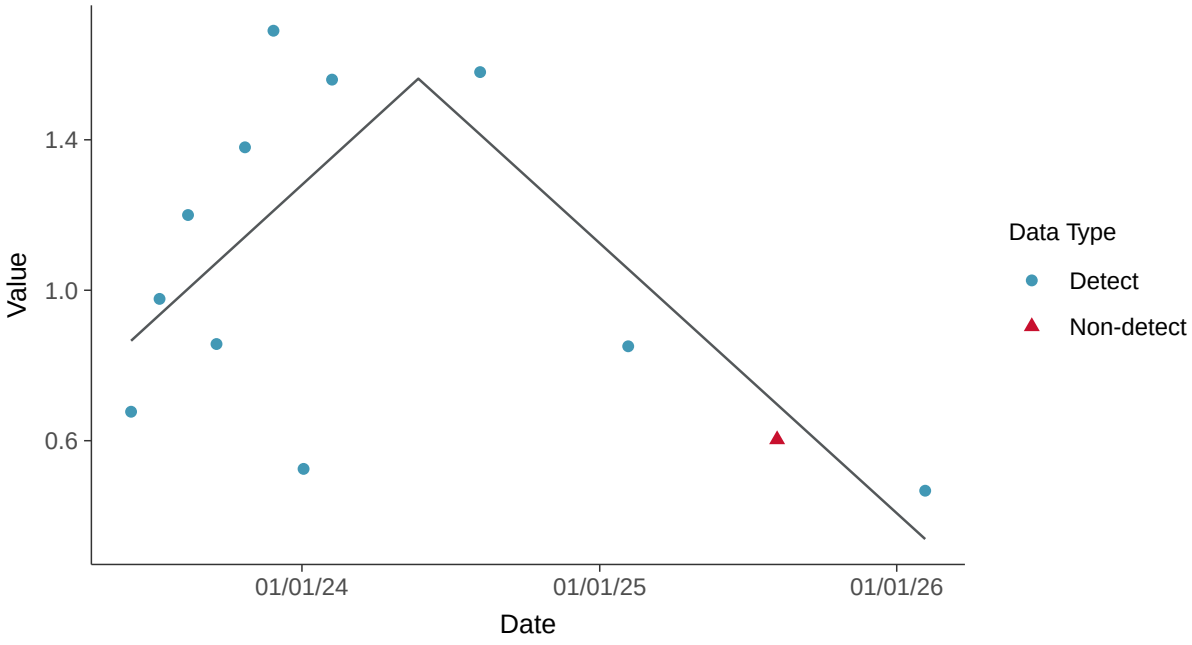
Trend Regression: Lognormal MLE

Radium-226+228, MW-100C (pci/l)



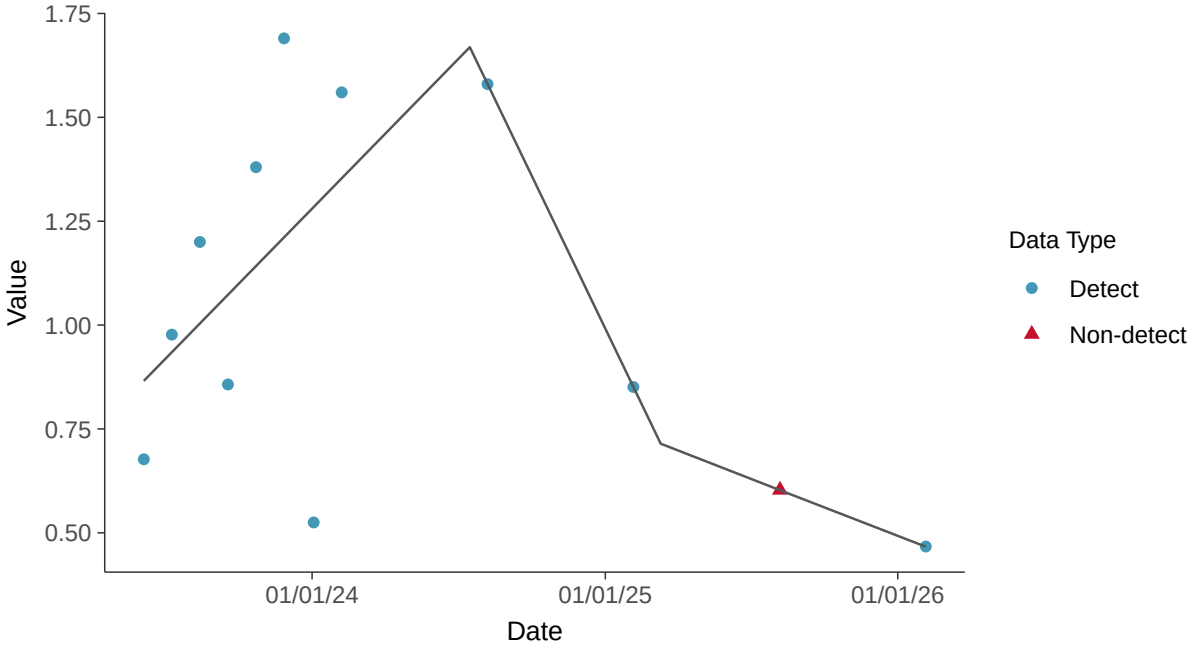
Trend Regression: Piecewise Linear-Linear

Radium-226+228, MW-100C (pci/l)



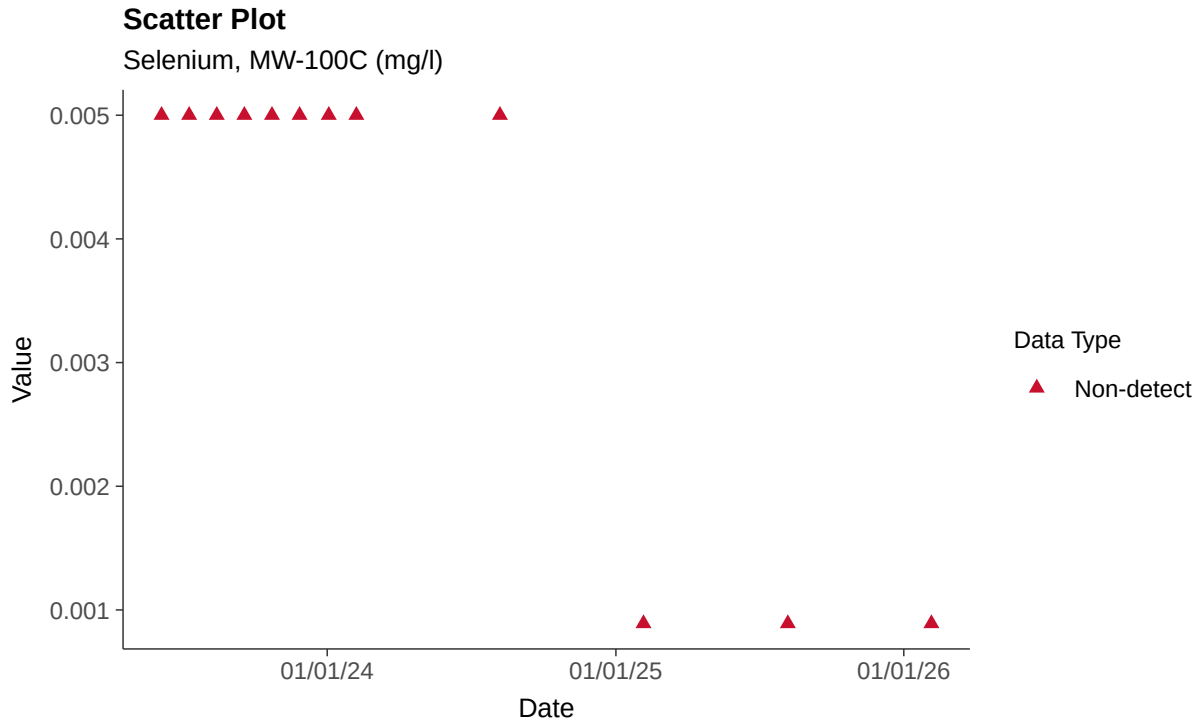
Trend Regression: Piecewise Linear-Linear-Linear

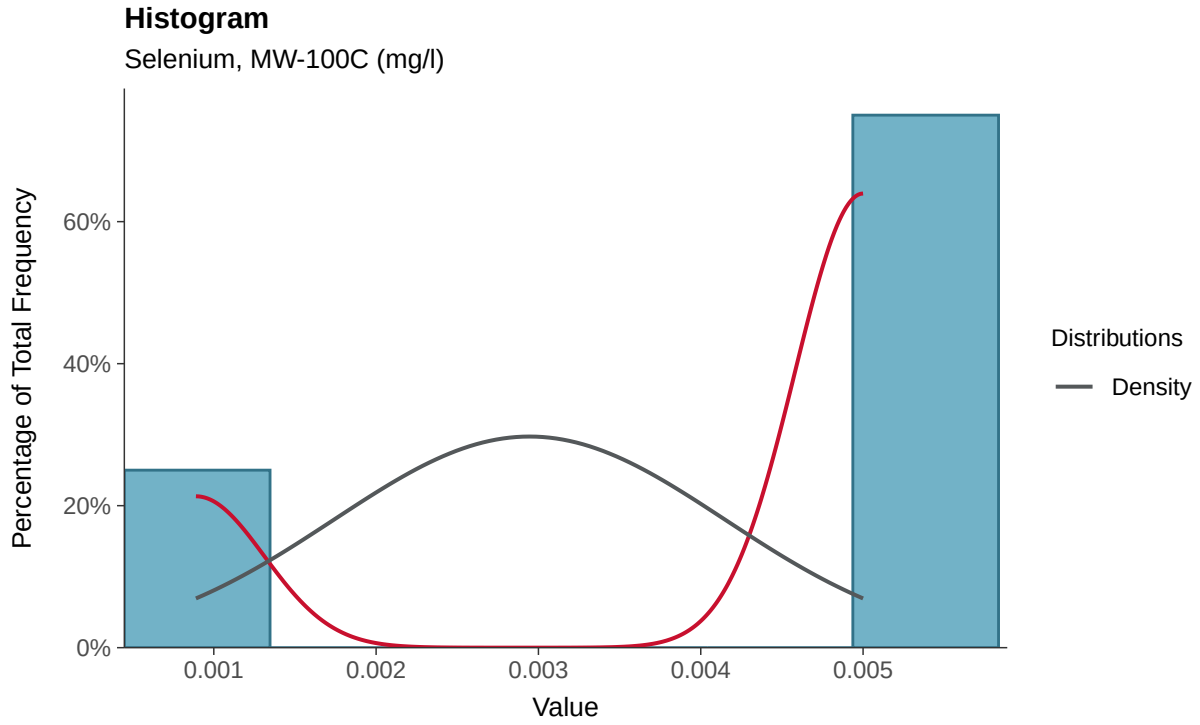
Radium-226+228, MW-100C (pci/l)



Appendix IV: Selenium, MW-100C

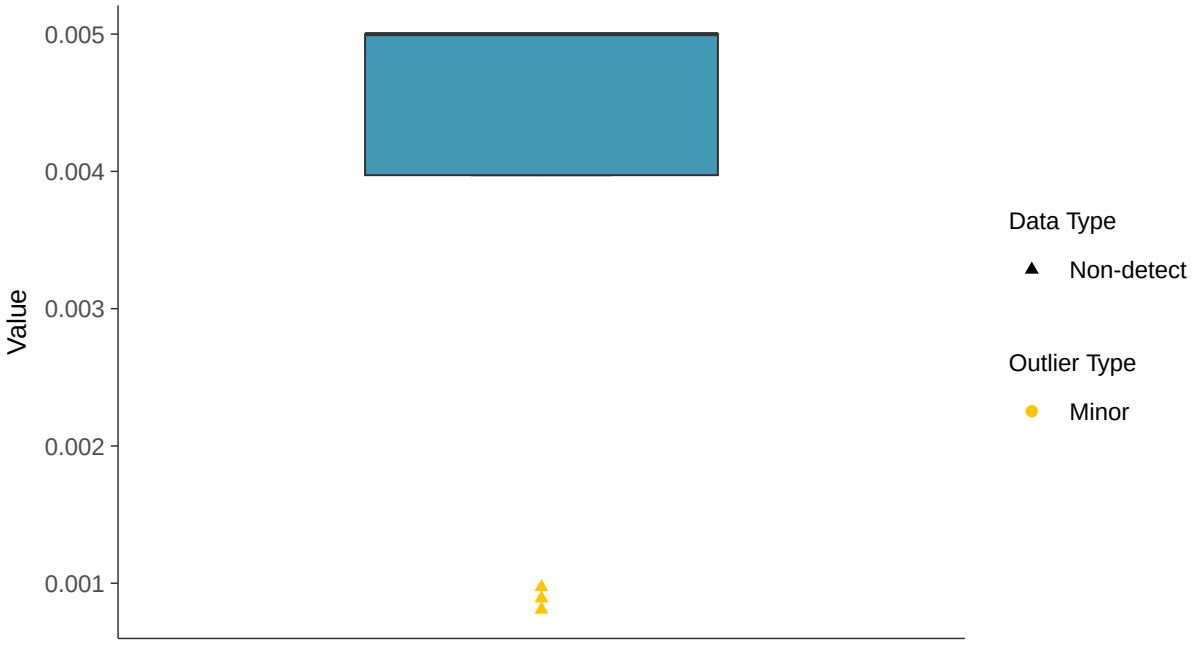
ID: 20_3_122





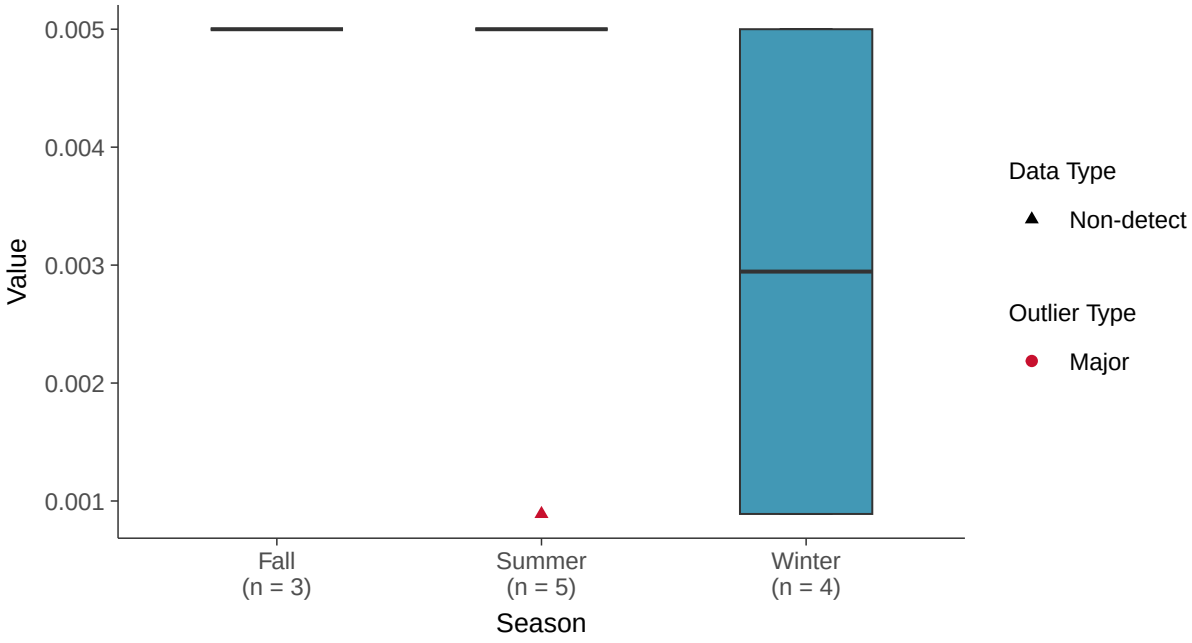
Boxplot

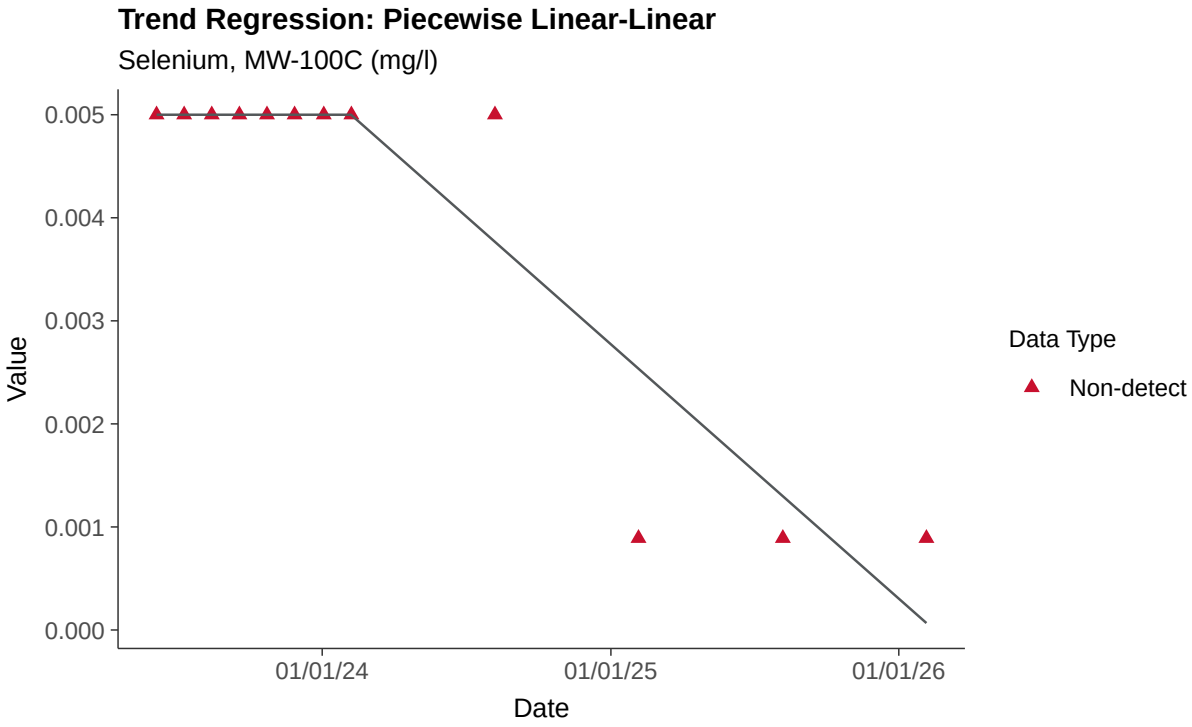
Selenium, MW-100C (mg/l)



Boxplot by Season

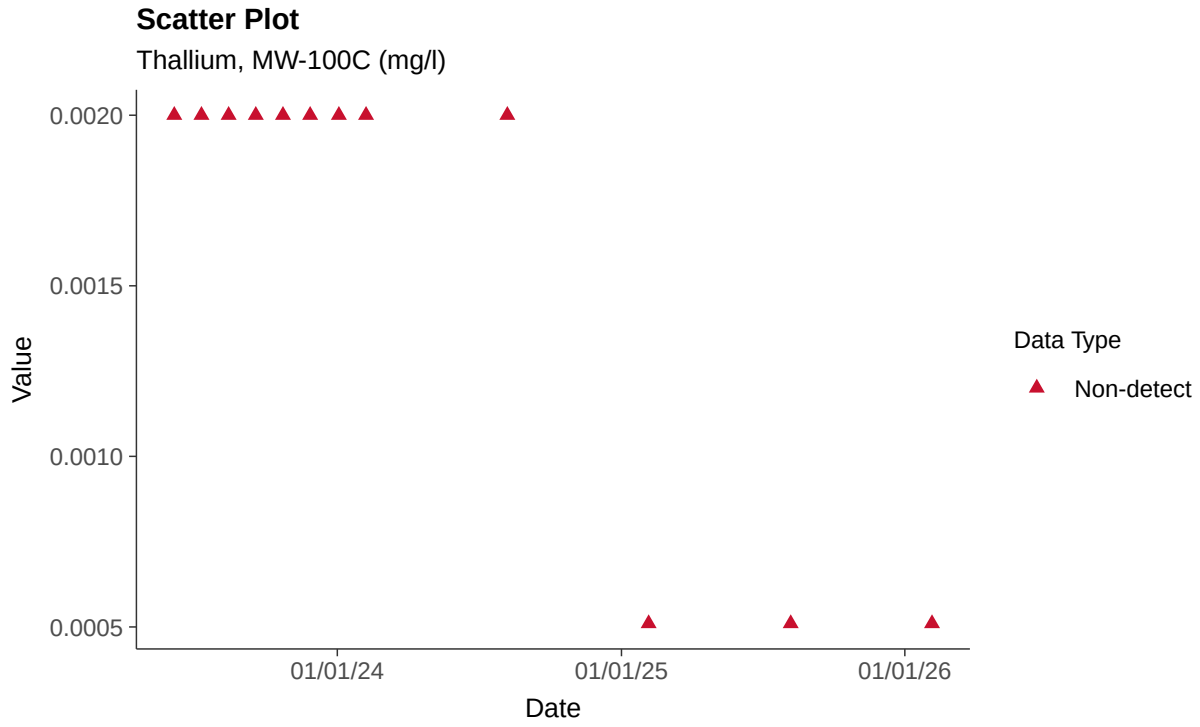
Selenium, MW-100C (mg/l)

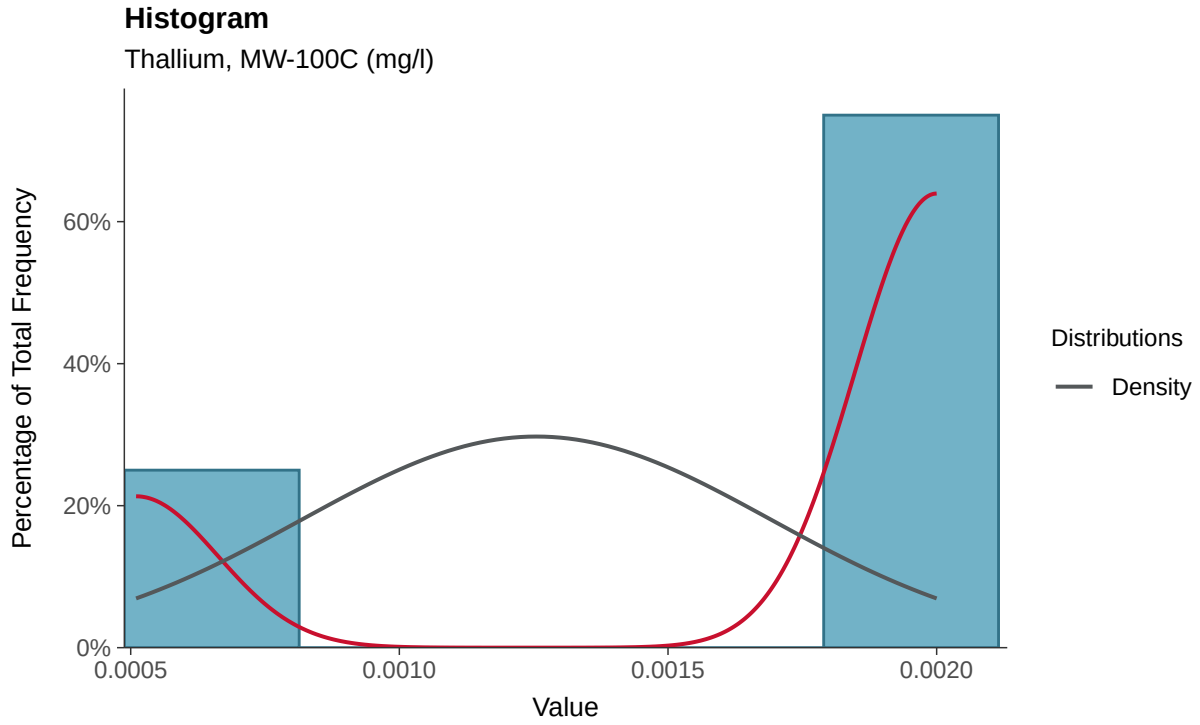



Trend Regression: Piecewise Linear-Linear
Selenium, MW-100C (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-100C

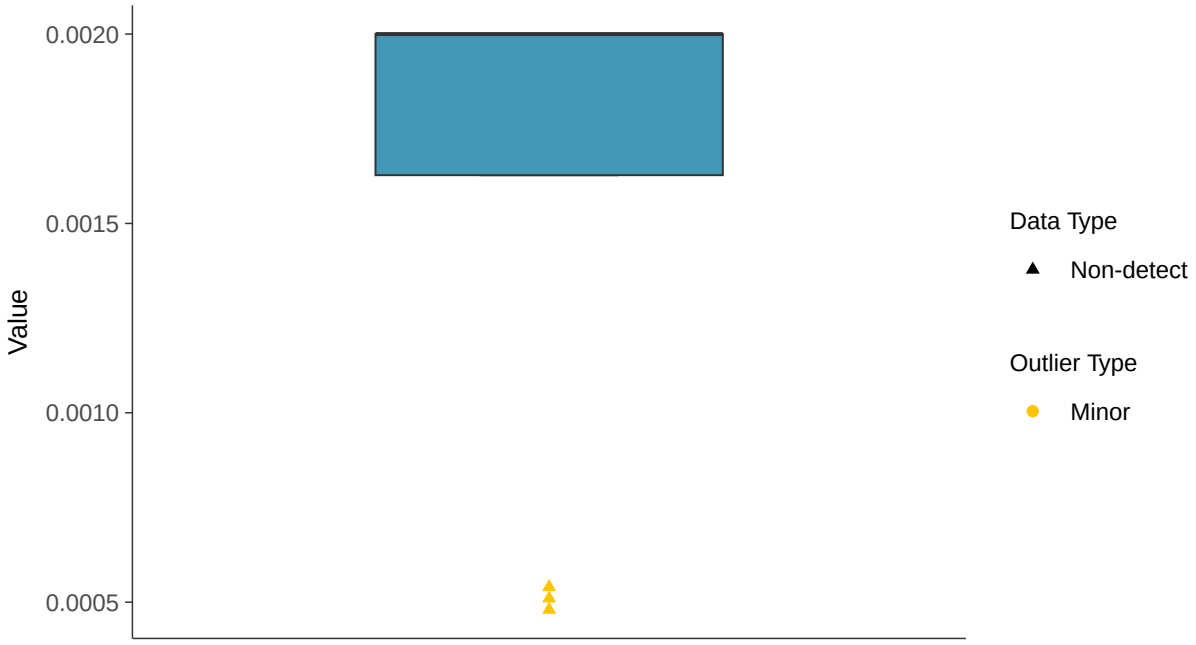
ID: 20_3_125





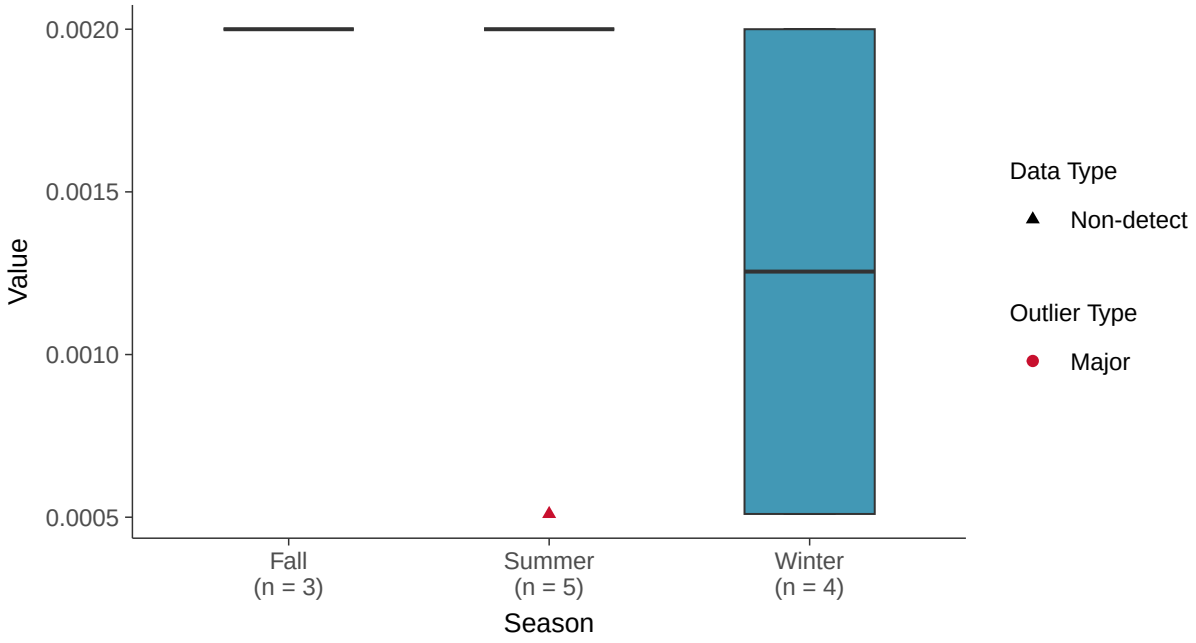
Boxplot

Thallium, MW-100C (mg/l)



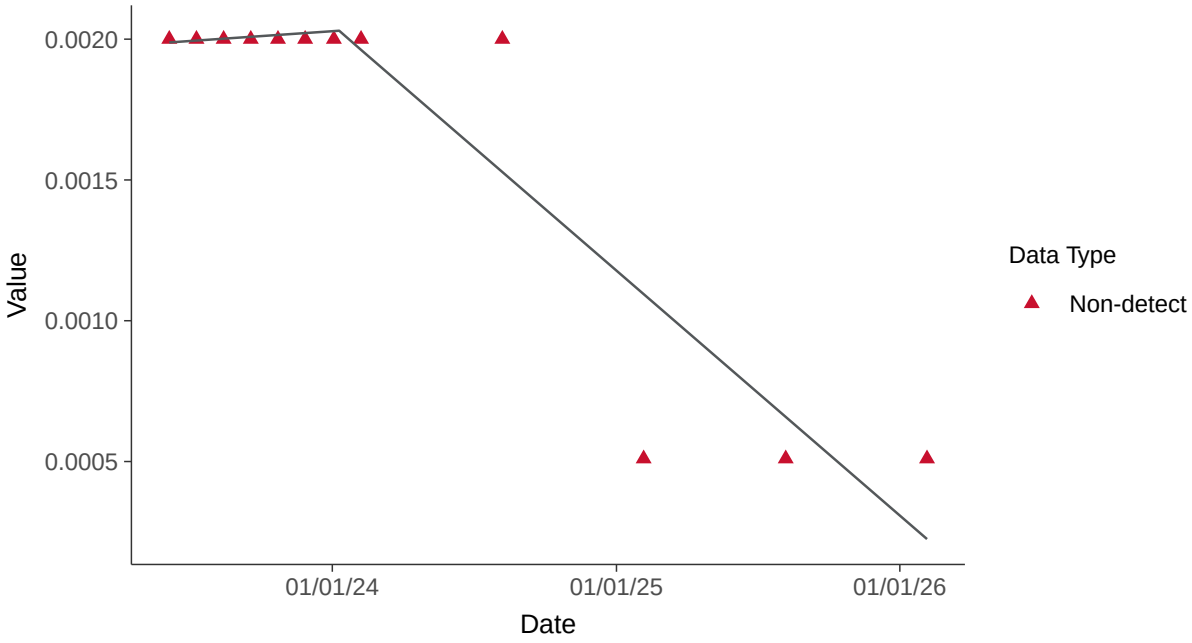
Boxplot by Season

Thallium, MW-100C (mg/l)



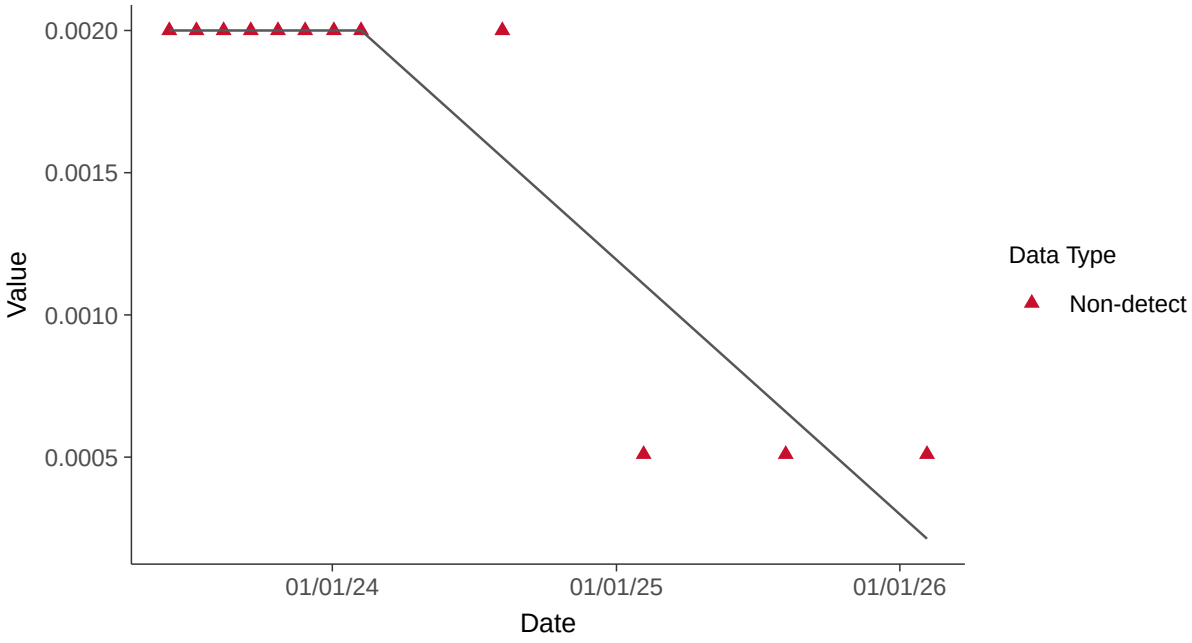
Trend Regression: Piecewise Linear-Linear

Thallium, MW-100C (mg/l)



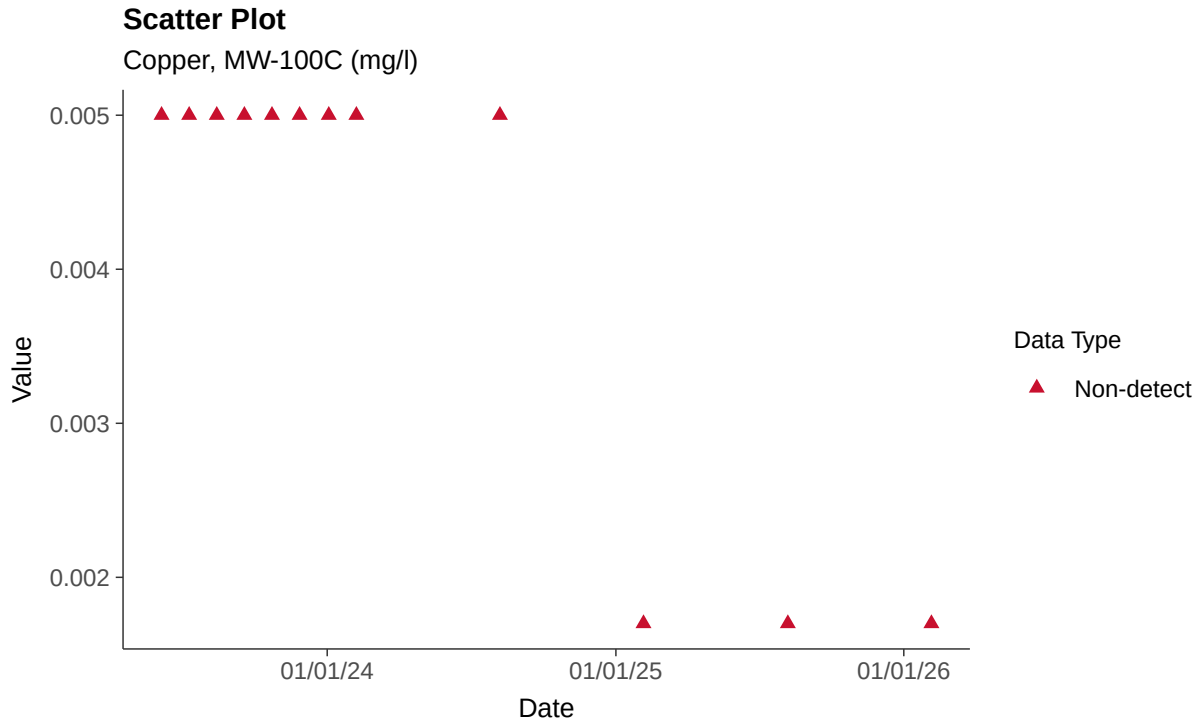
Trend Regression: Piecewise Linear-Linear-Linear

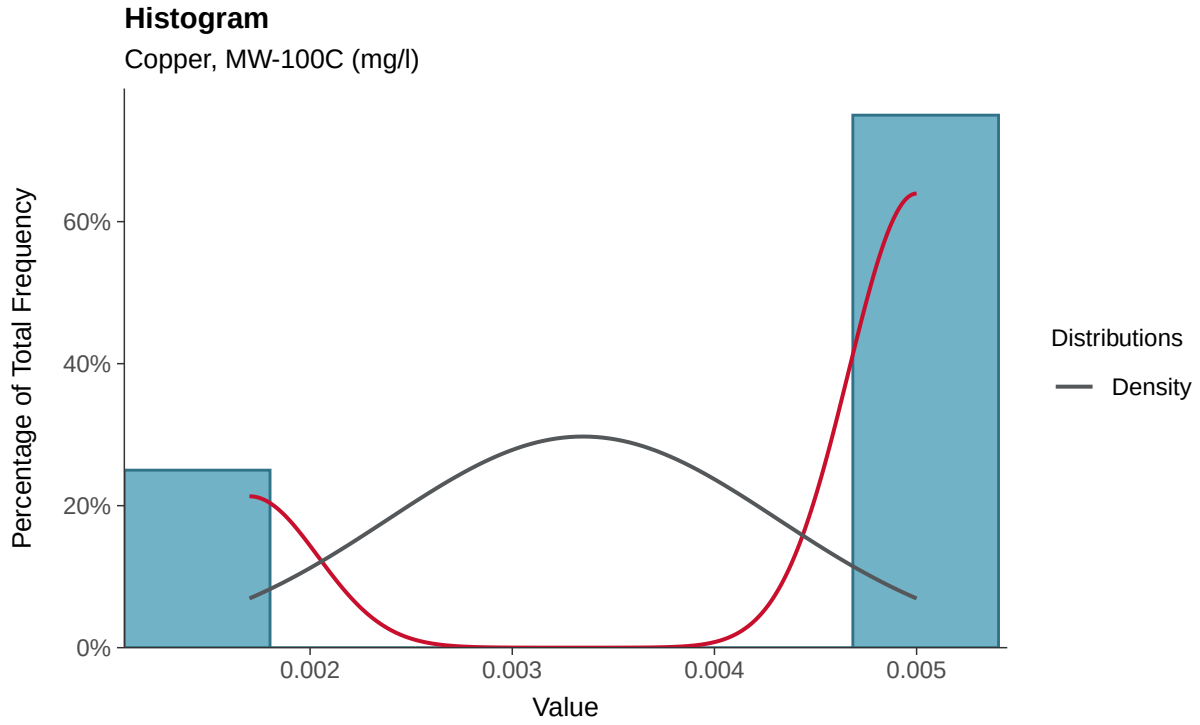
Thallium, MW-100C (mg/l)



Part 115: Copper, MW-100C

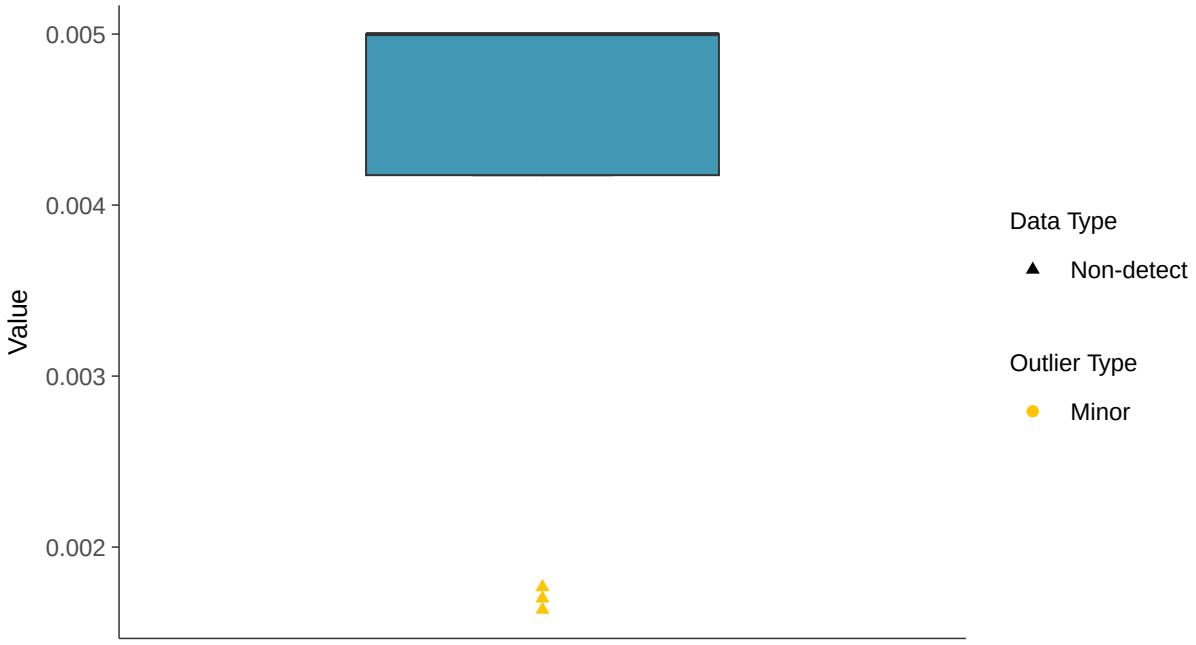
ID: 20_5_111





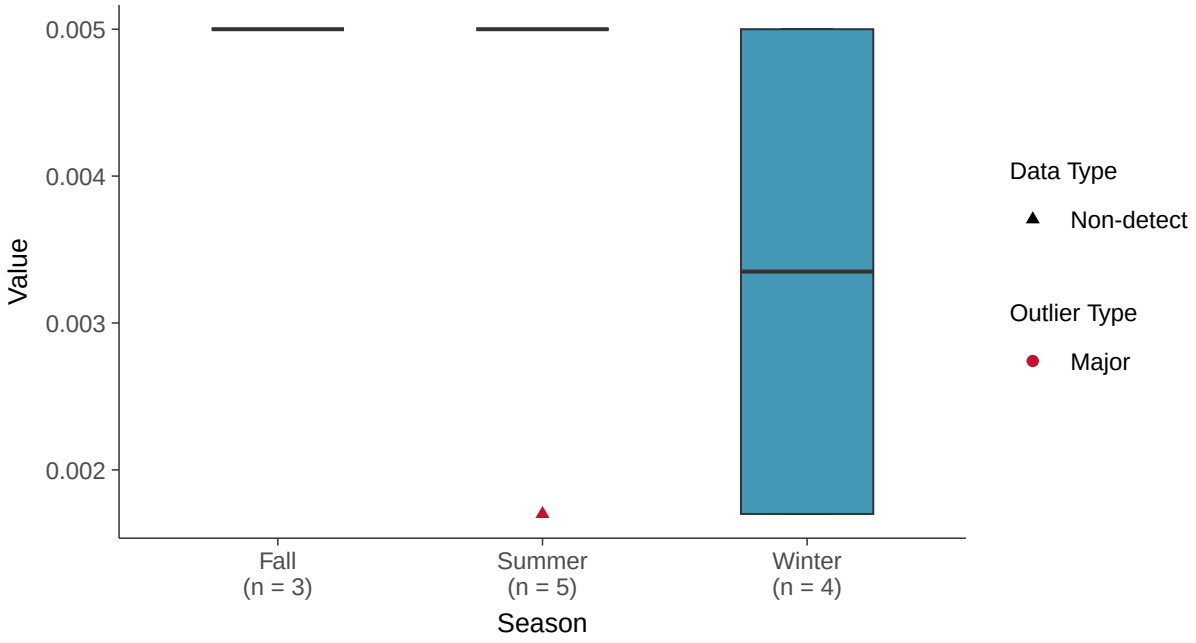
Boxplot

Copper, MW-100C (mg/l)



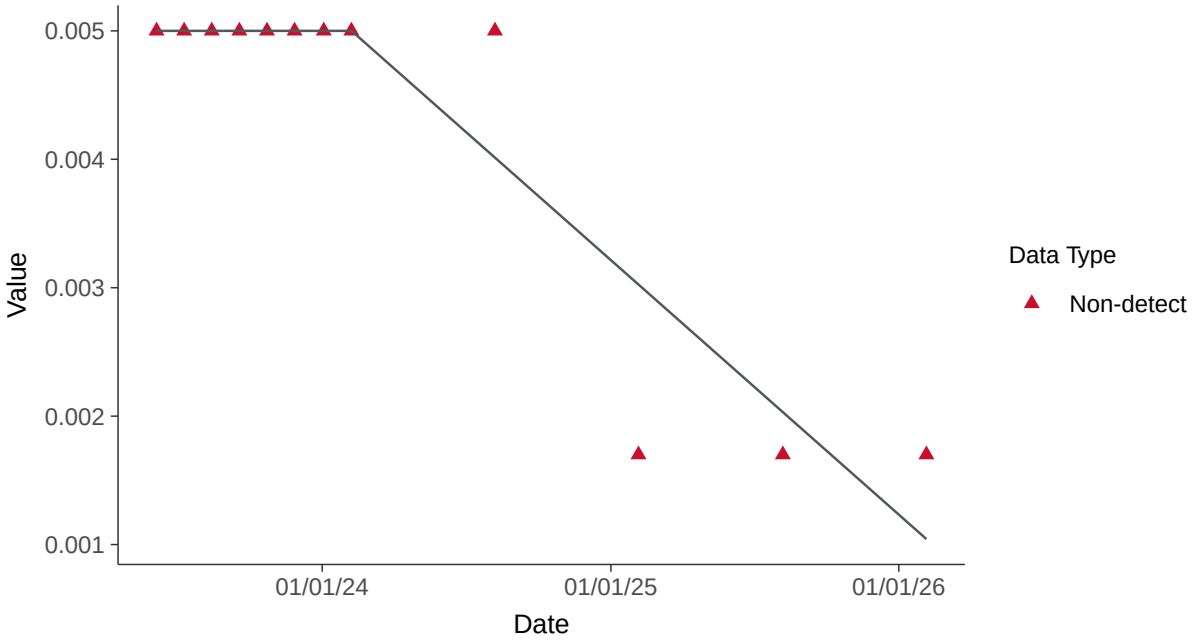
Boxplot by Season

Copper, MW-100C (mg/l)



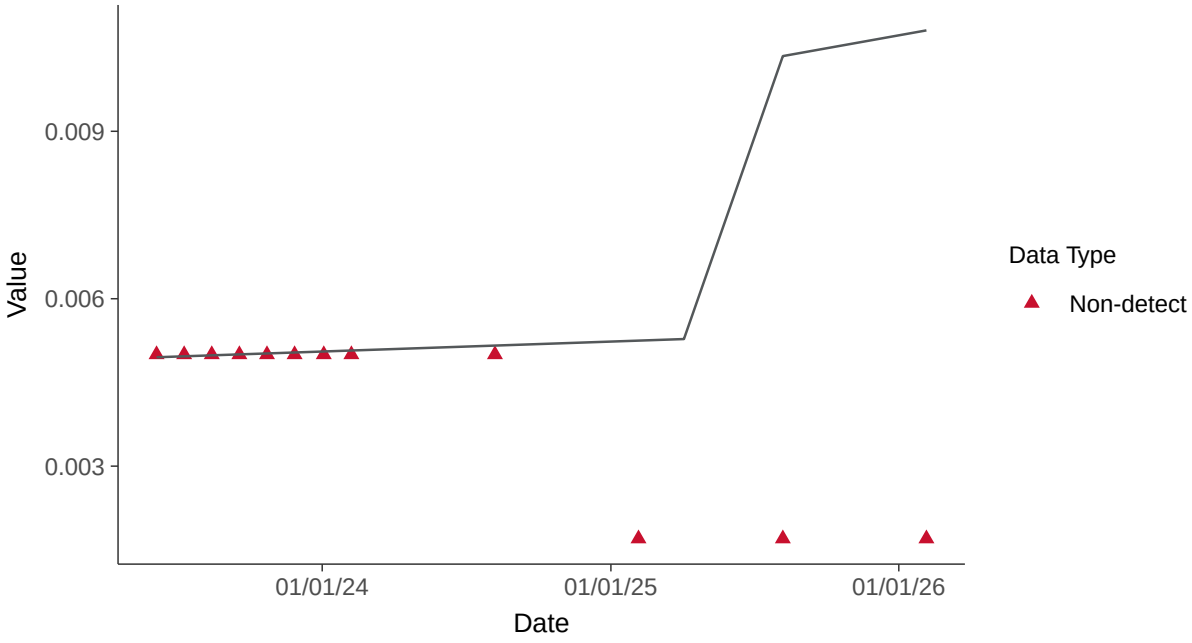
Trend Regression: Piecewise Linear-Linear

Copper, MW-100C (mg/l)



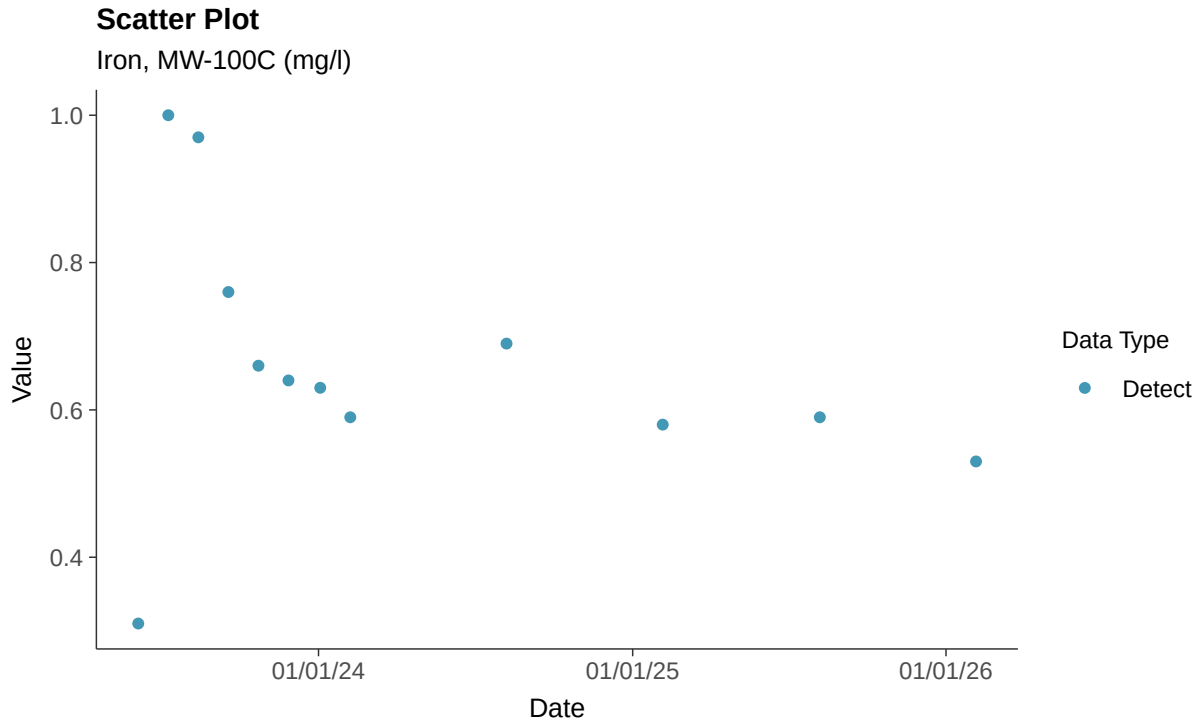
Trend Regression: Piecewise Linear-Linear-Linear

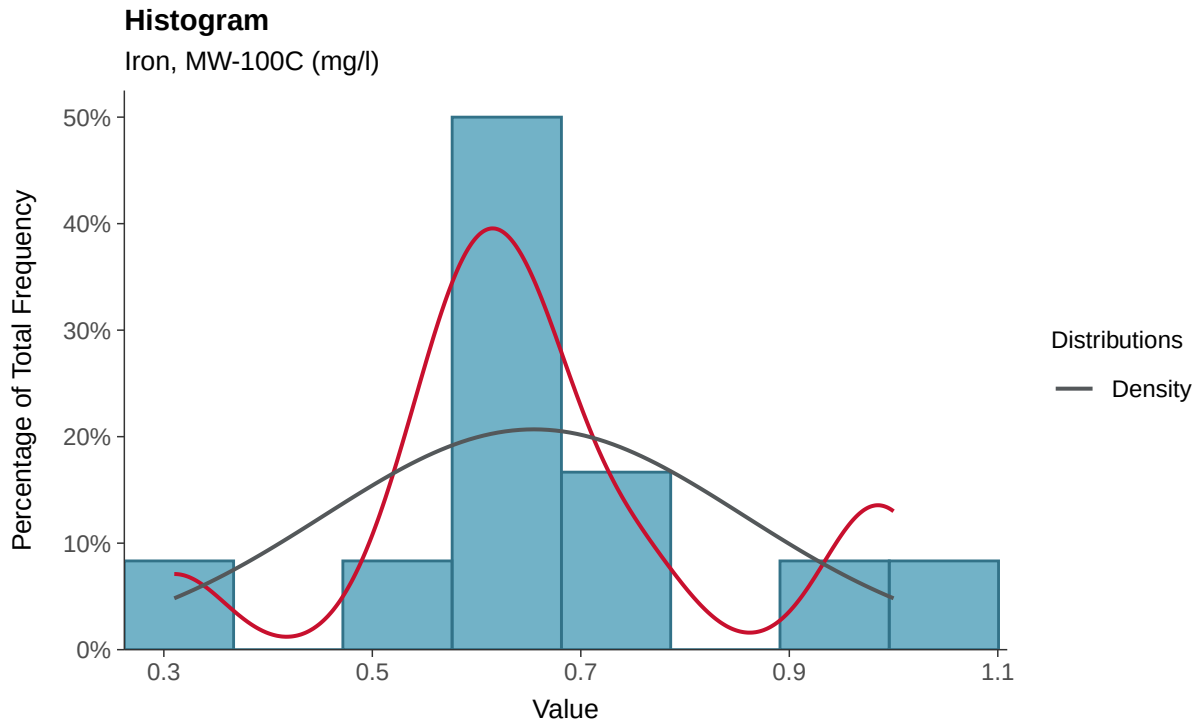
Copper, MW-100C (mg/l)



Part 115: Iron, MW-100C

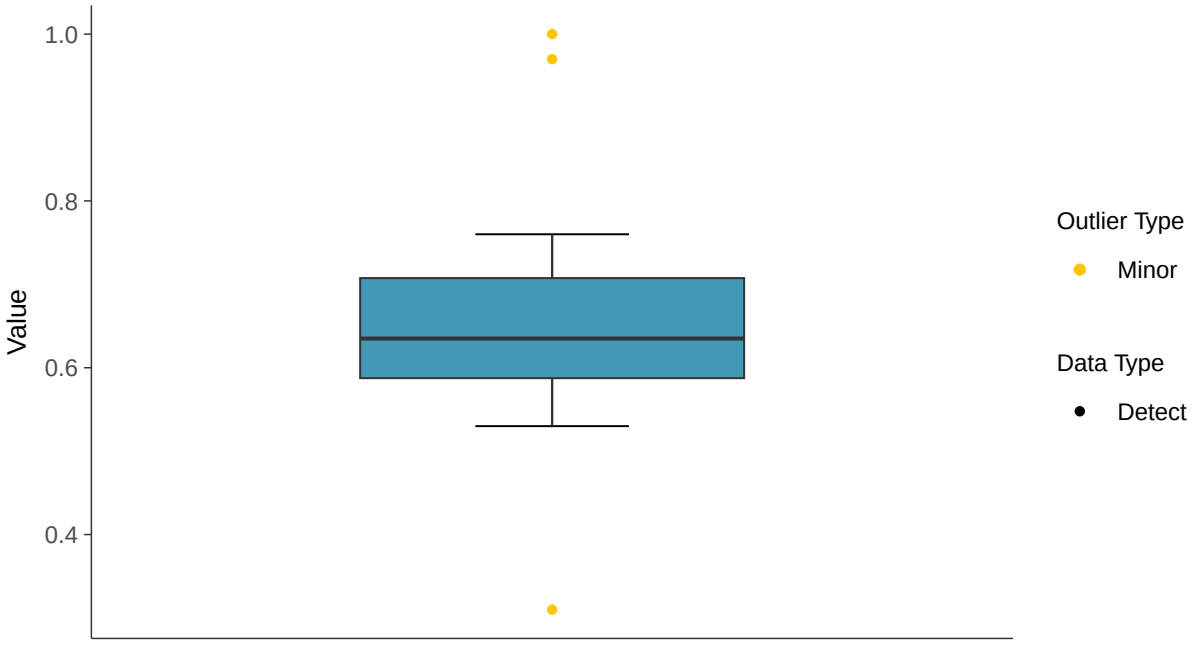
ID: 20_5_114





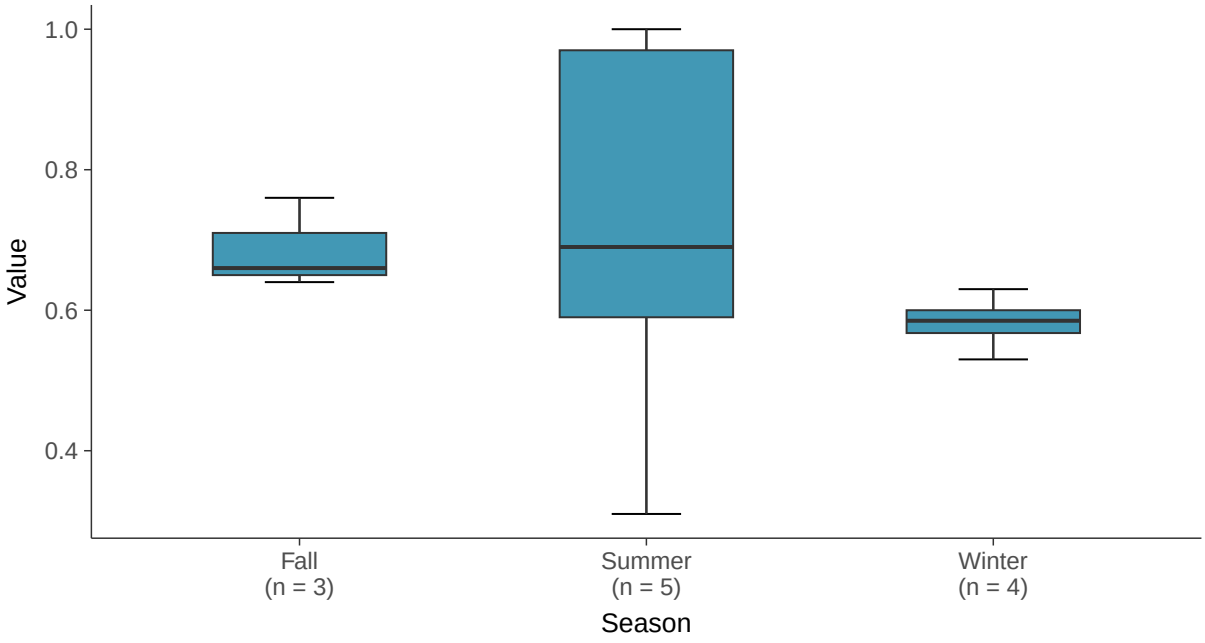
Boxplot

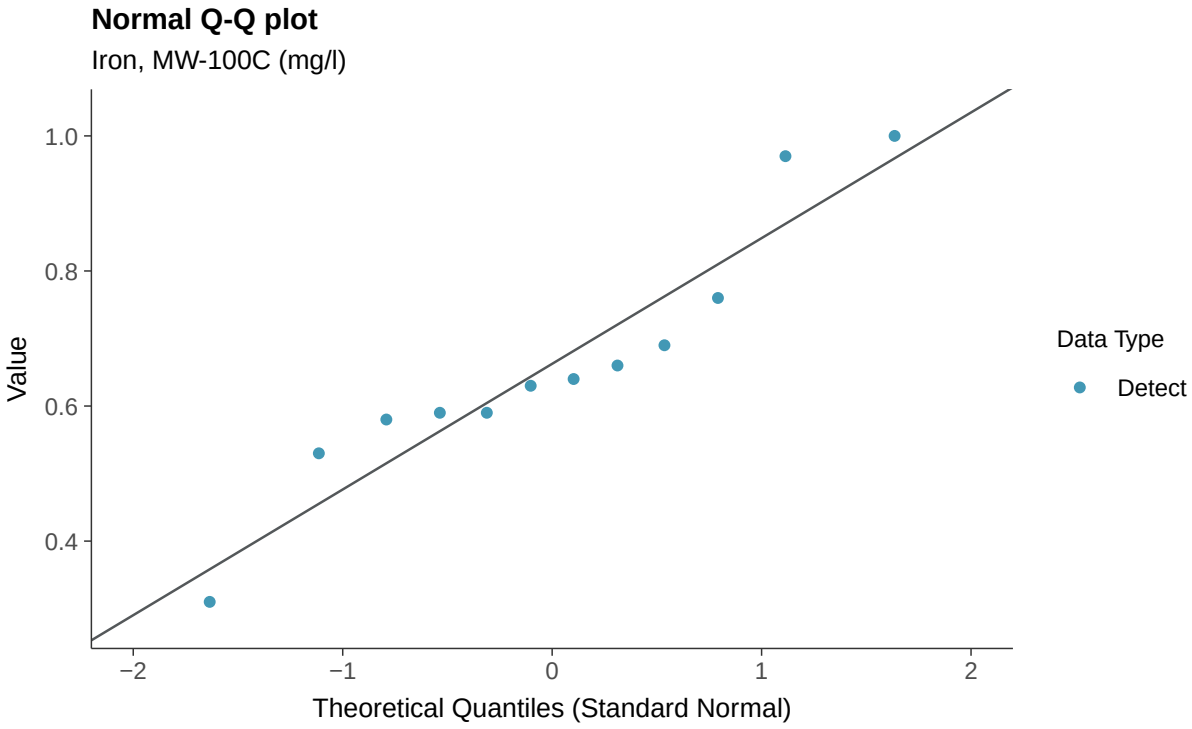
Iron, MW-100C (mg/l)

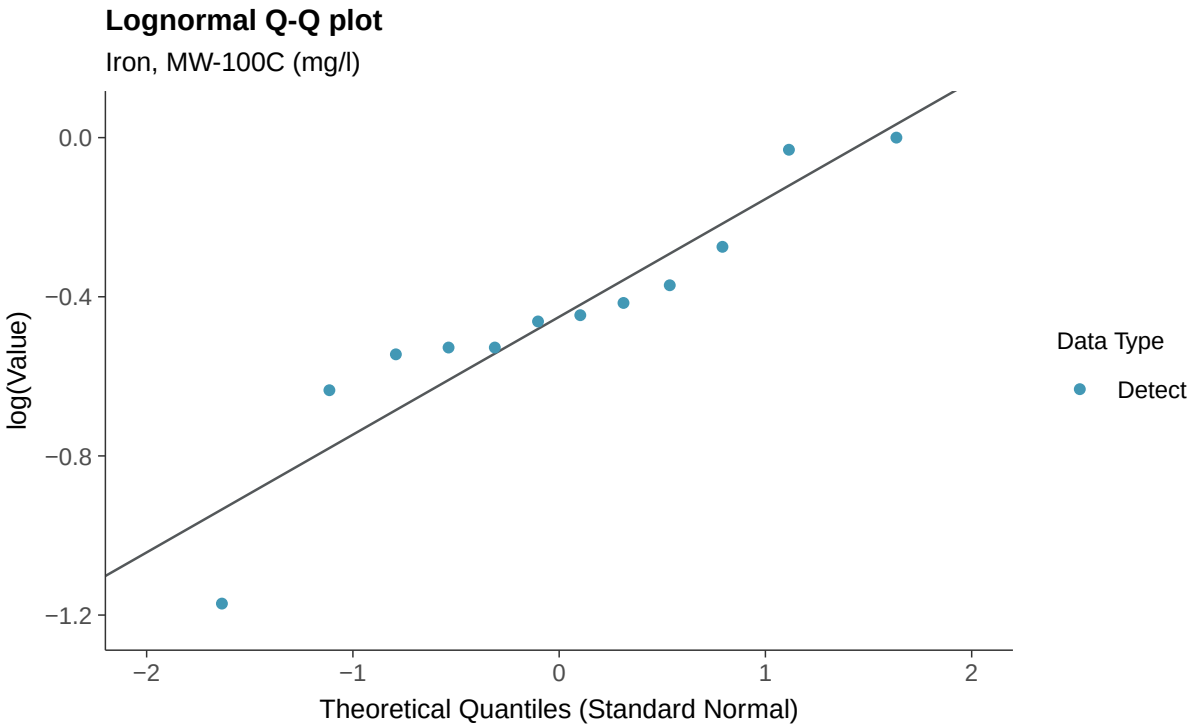


Boxplot by Season

Iron, MW-100C (mg/l)

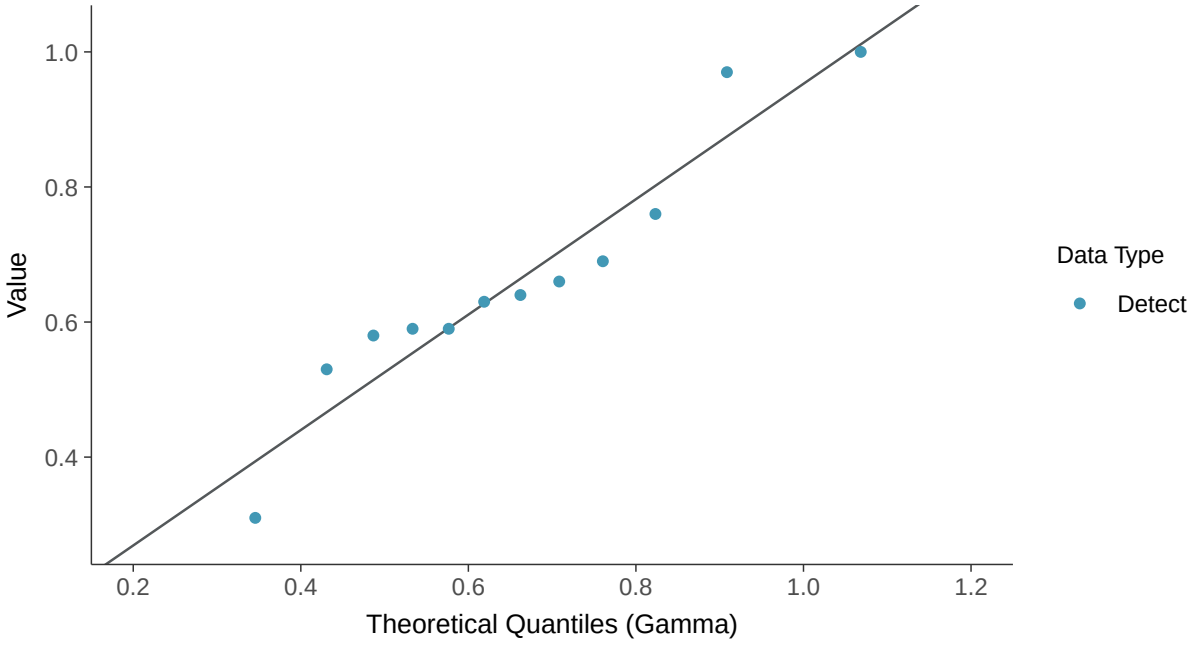



Normal Q-Q plot
Iron, MW-100C (mg/l)
Value
1.0
0.8
0.6
0.4
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Iron, MW-100C (mg/l)
log(Value)
0.0
−0.4
−0.8
−1.2
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

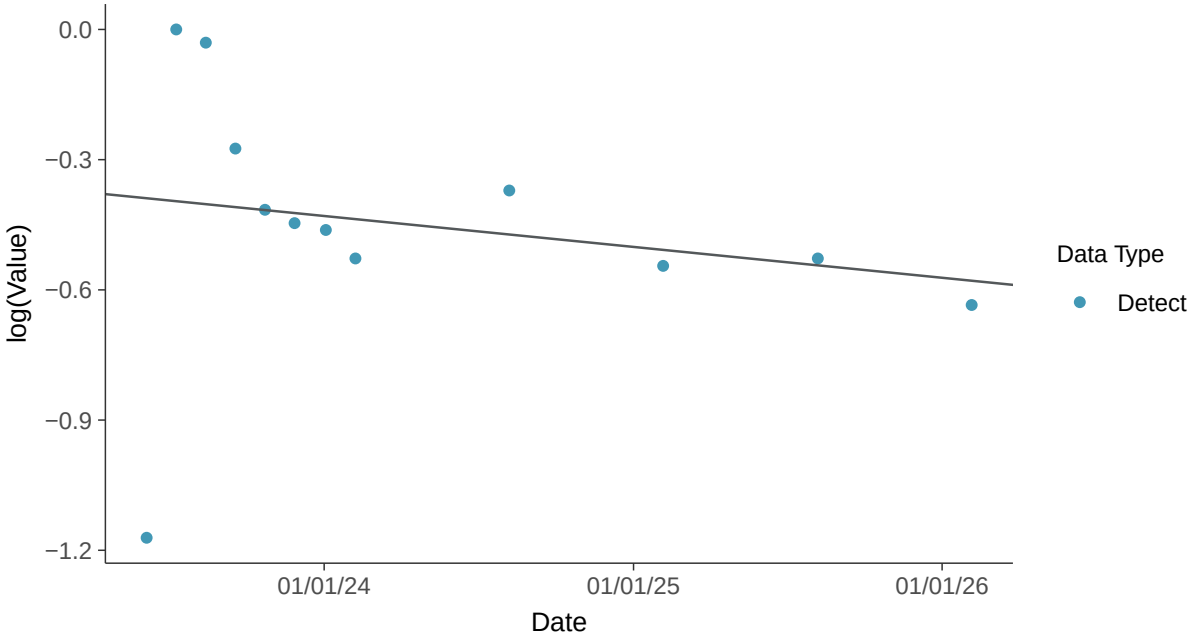
Gamma Q-Q plot

Iron, MW-100C (mg/l)



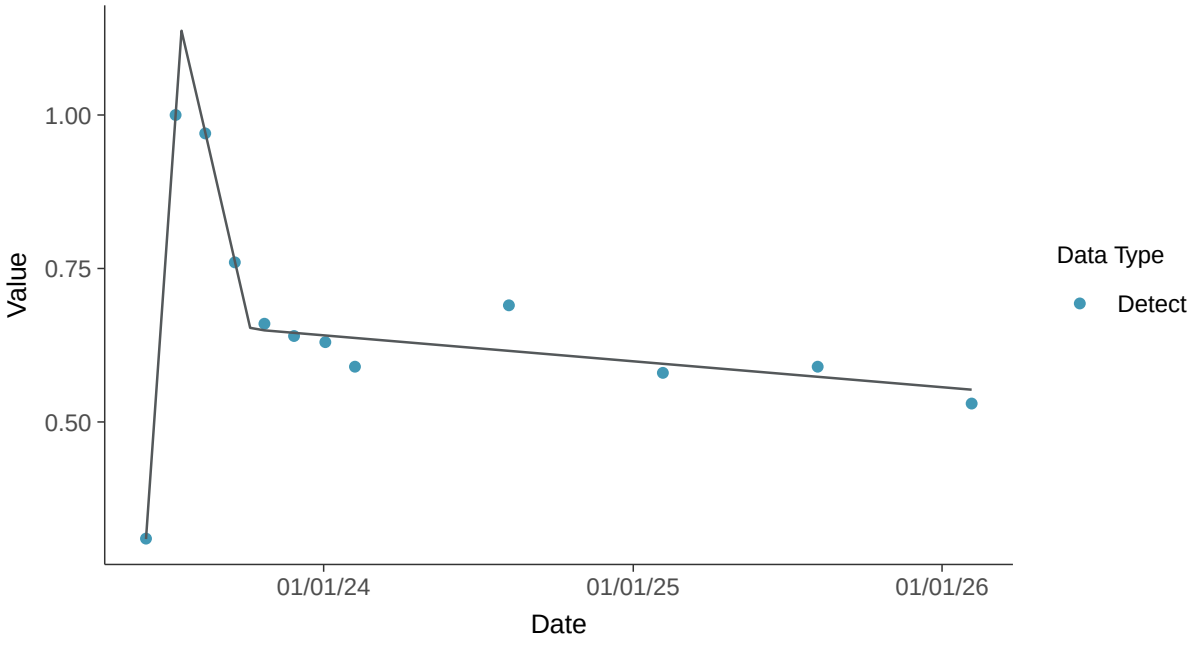
Trend Regression: Lognormal MLE

Iron, MW-100C (mg/l)



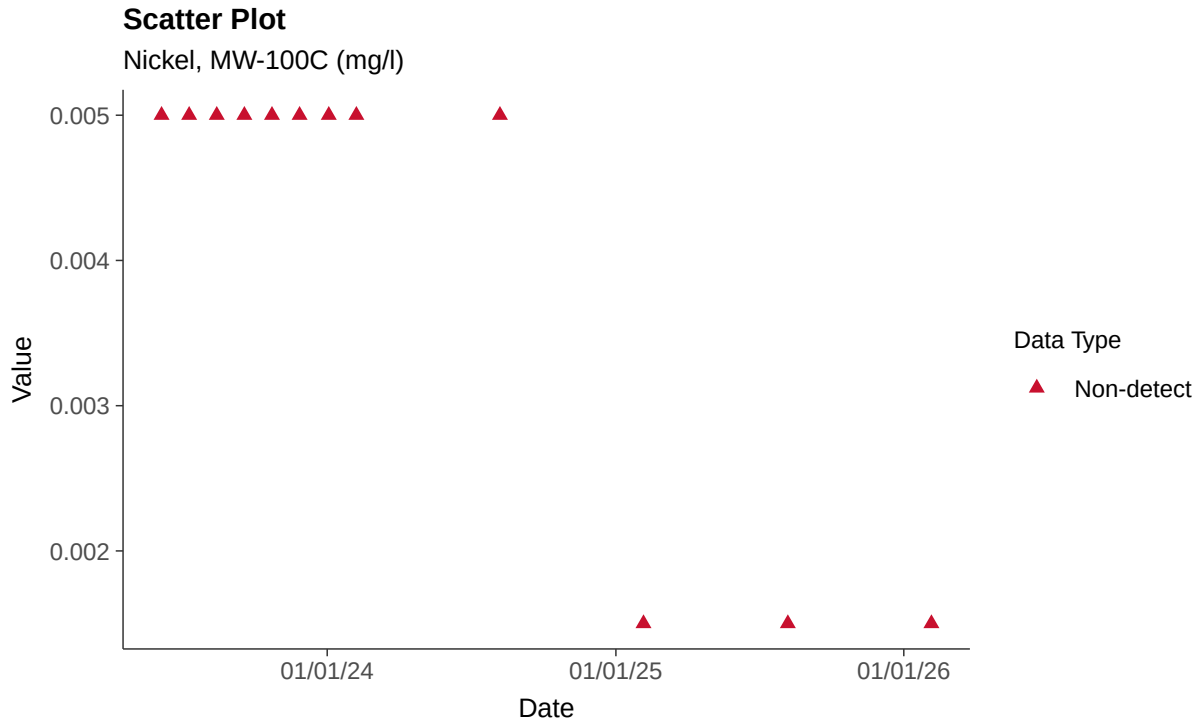
Trend Regression: Piecewise Linear-Linear-Linear

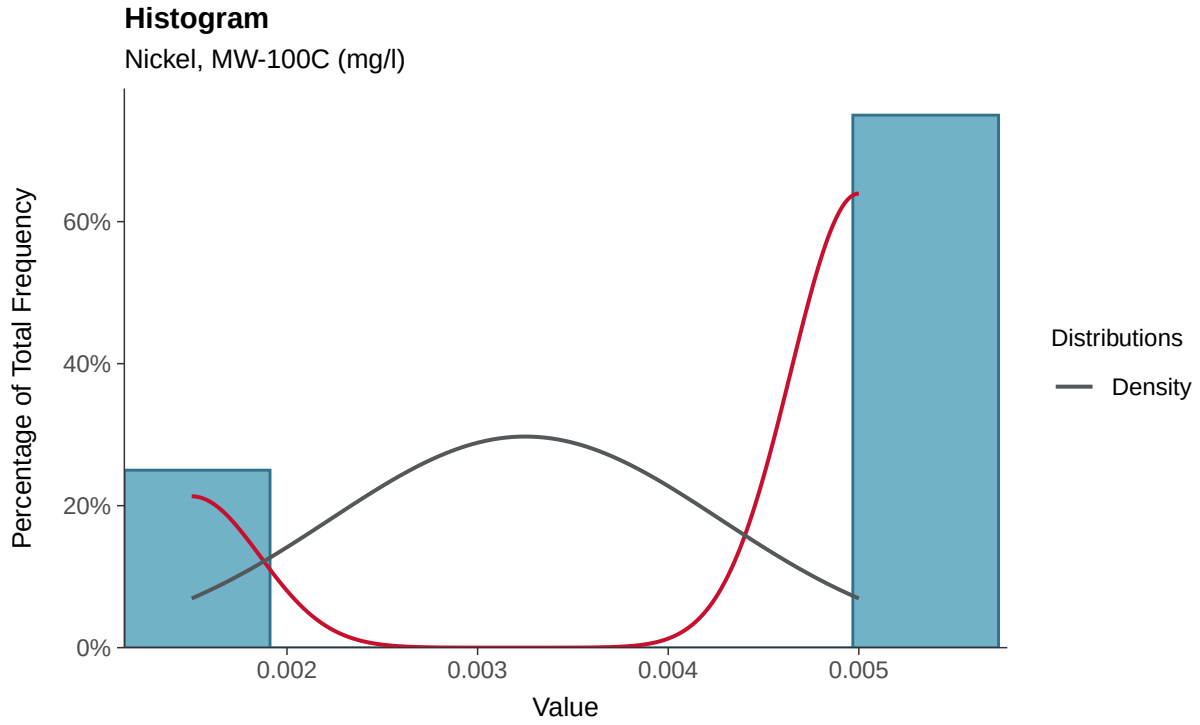
Iron, MW-100C (mg/l)



Part 115: Nickel, MW-100C

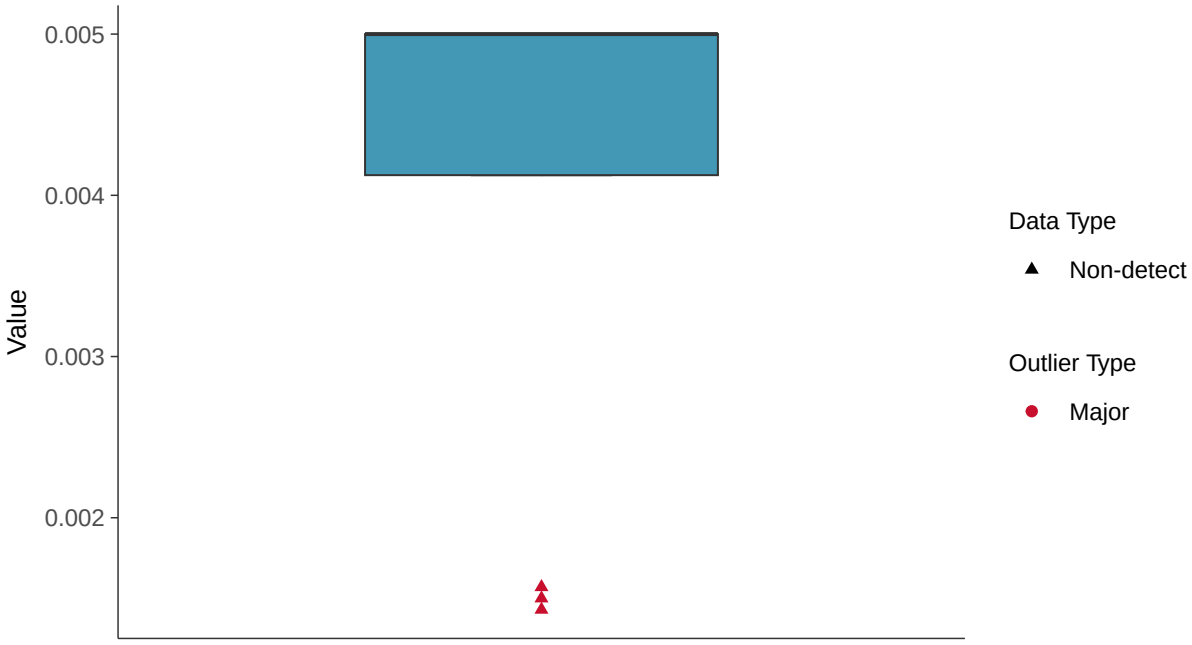
ID: 20_5_119





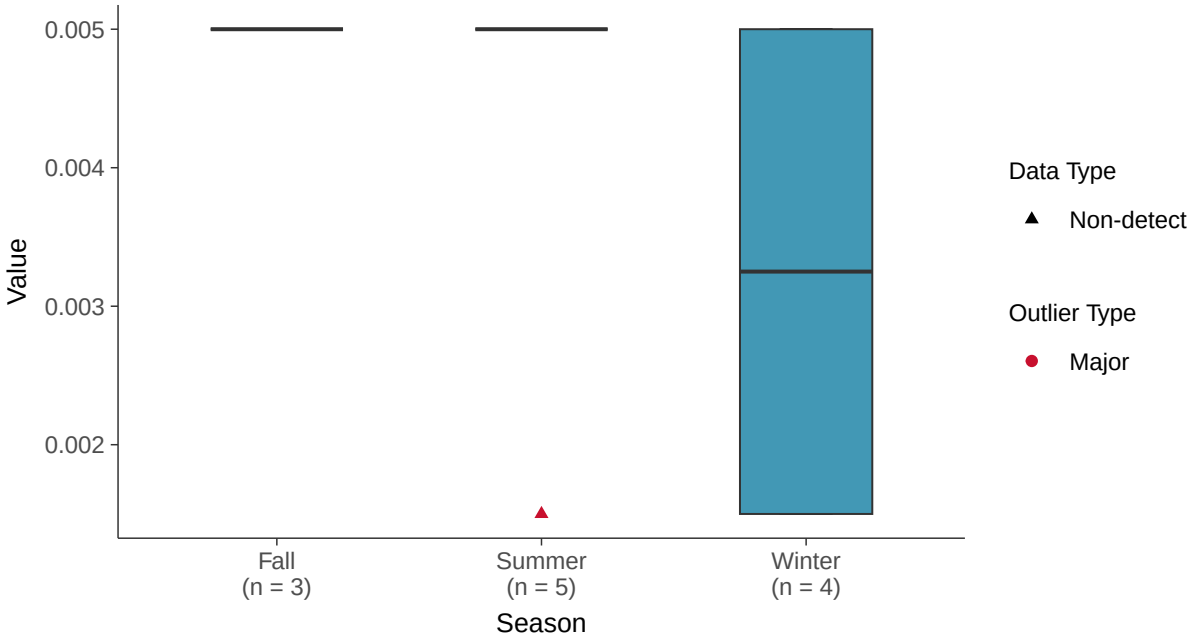
Boxplot

Nickel, MW-100C (mg/l)



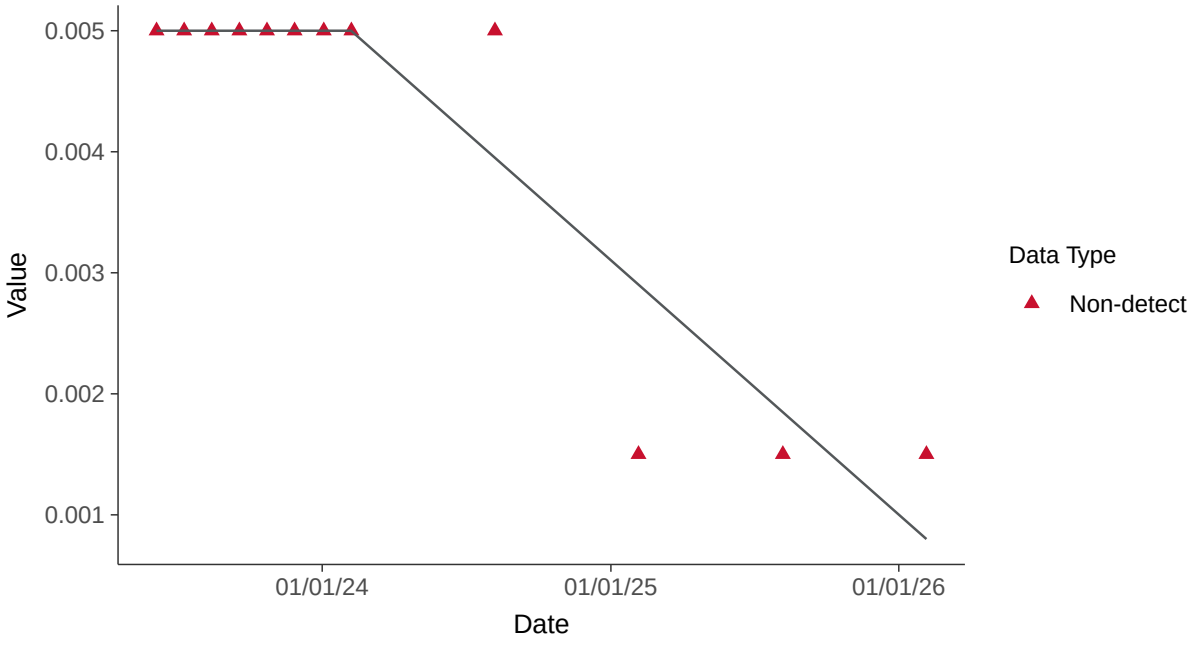
Boxplot by Season

Nickel, MW-100C (mg/l)



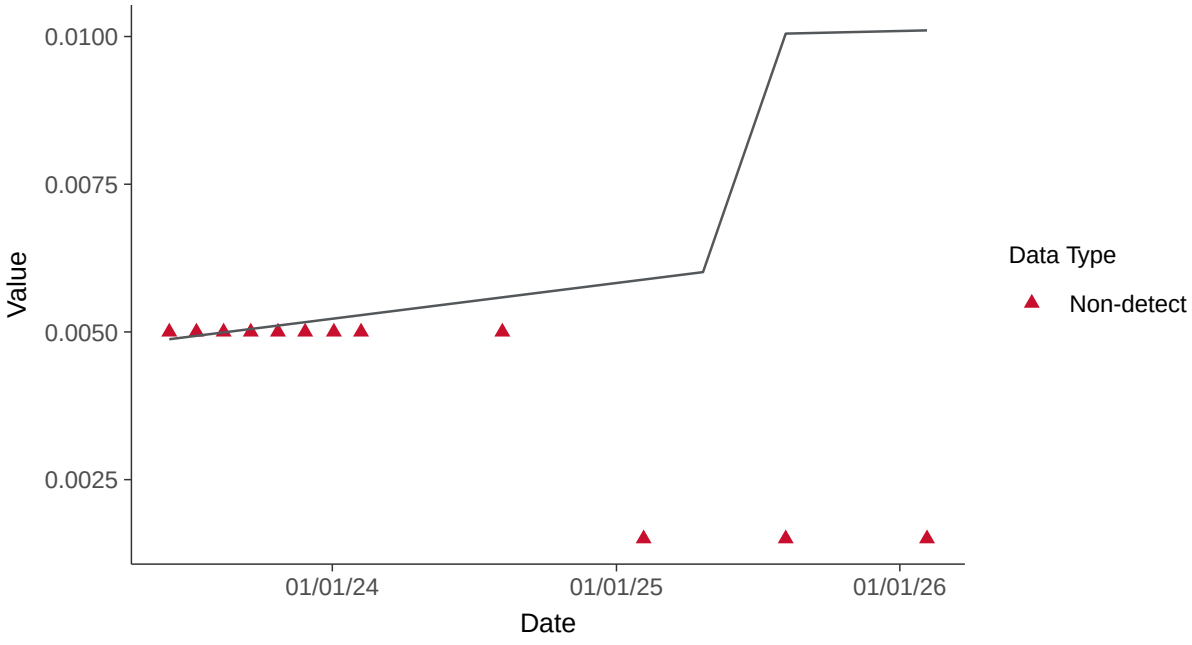
Trend Regression: Piecewise Linear-Linear

Nickel, MW-100C (mg/l)



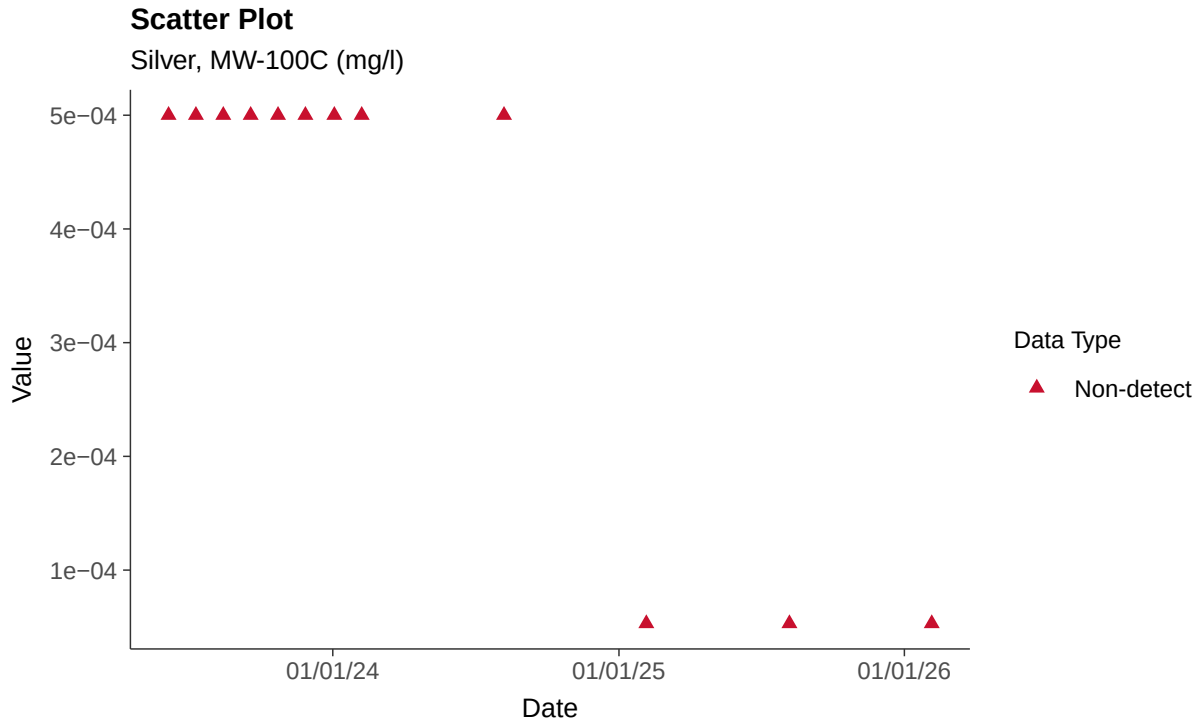
Trend Regression: Piecewise Linear-Linear-Linear

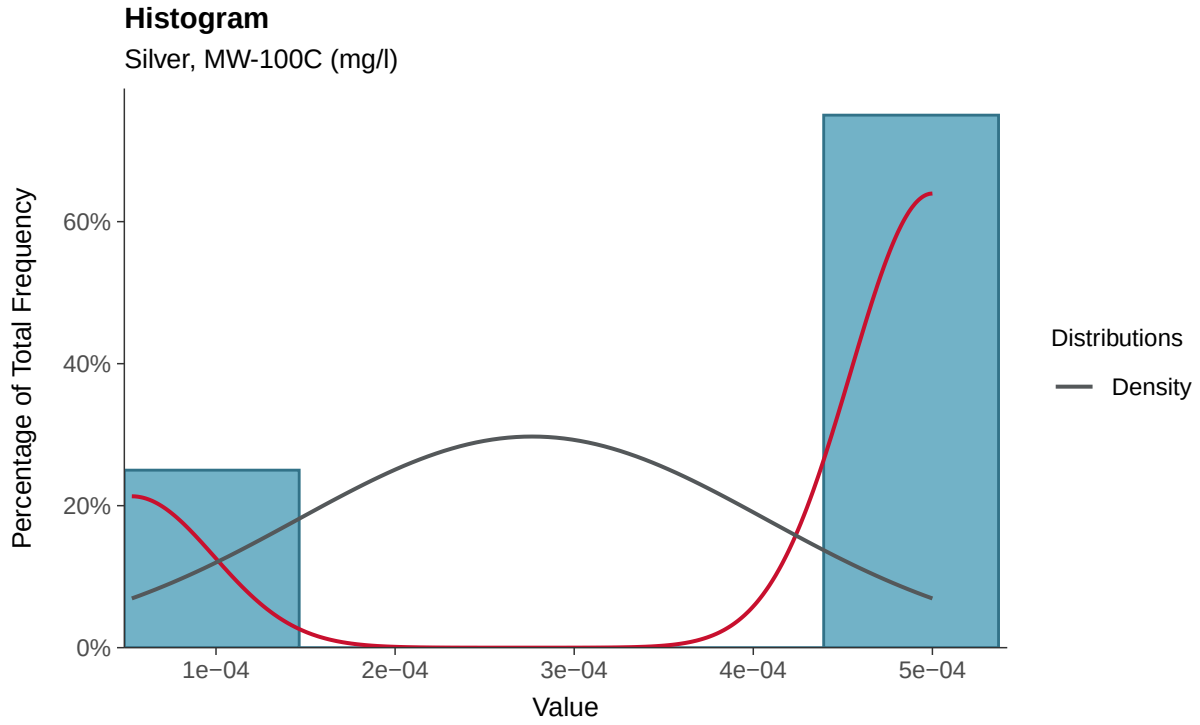
Nickel, MW-100C (mg/l)



Part 115: Silver, MW-100C

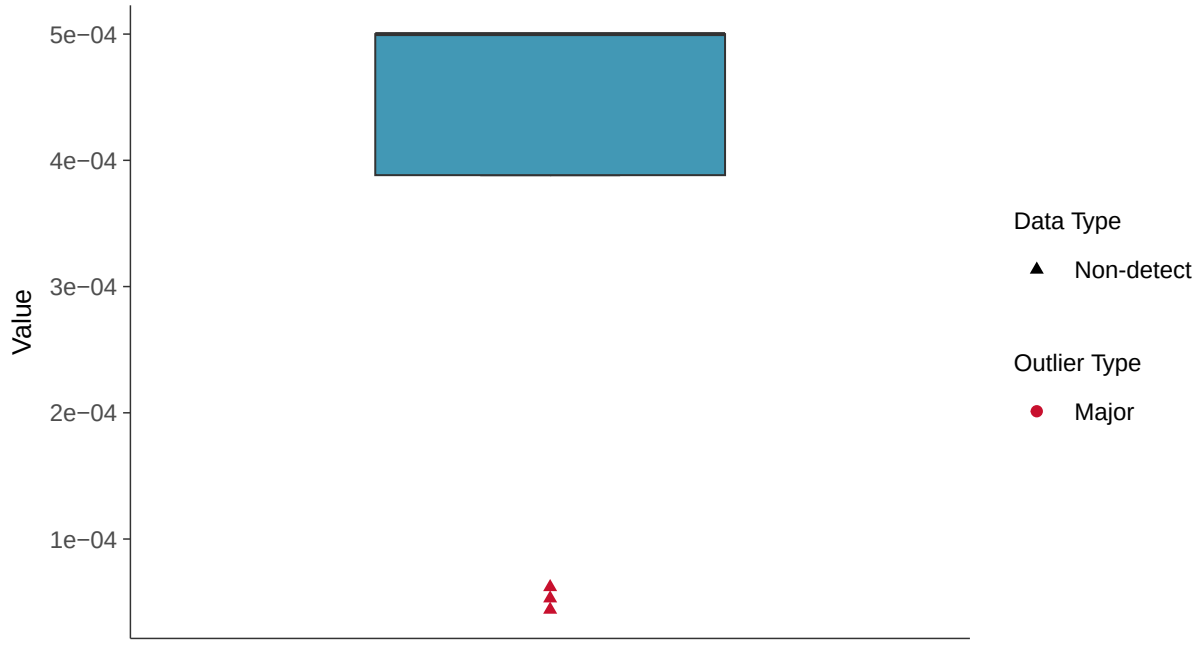
ID: 20_5_123





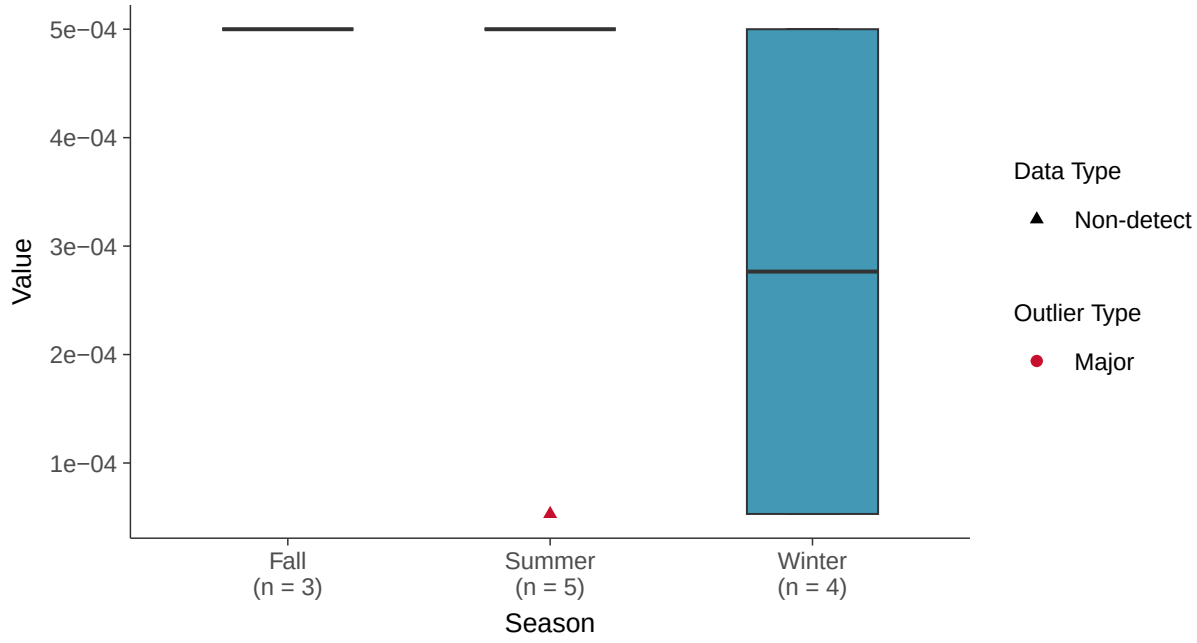
Boxplot

Silver, MW-100C (mg/l)



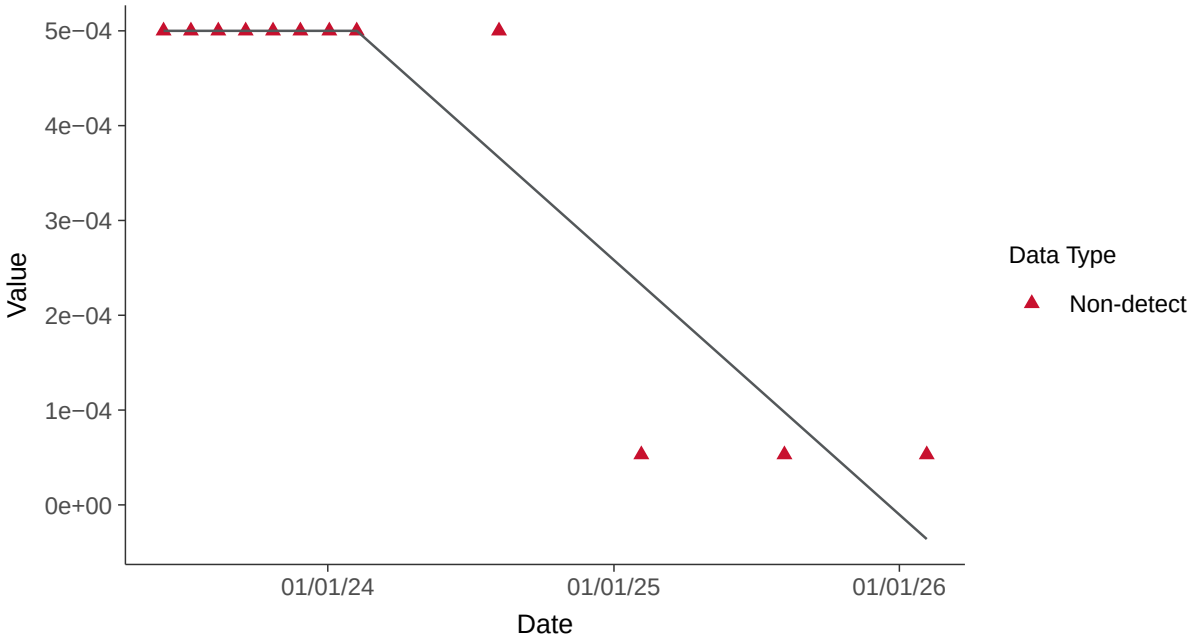
Boxplot by Season

Silver, MW-100C (mg/l)



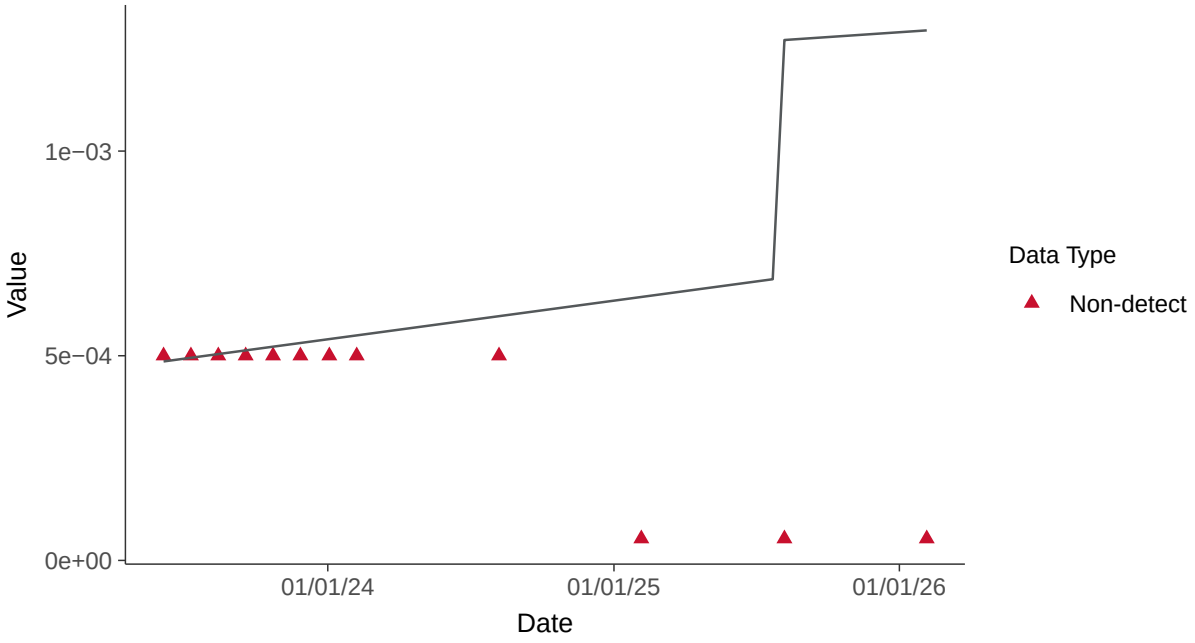
Trend Regression: Piecewise Linear-Linear

Silver, MW-100C (mg/l)



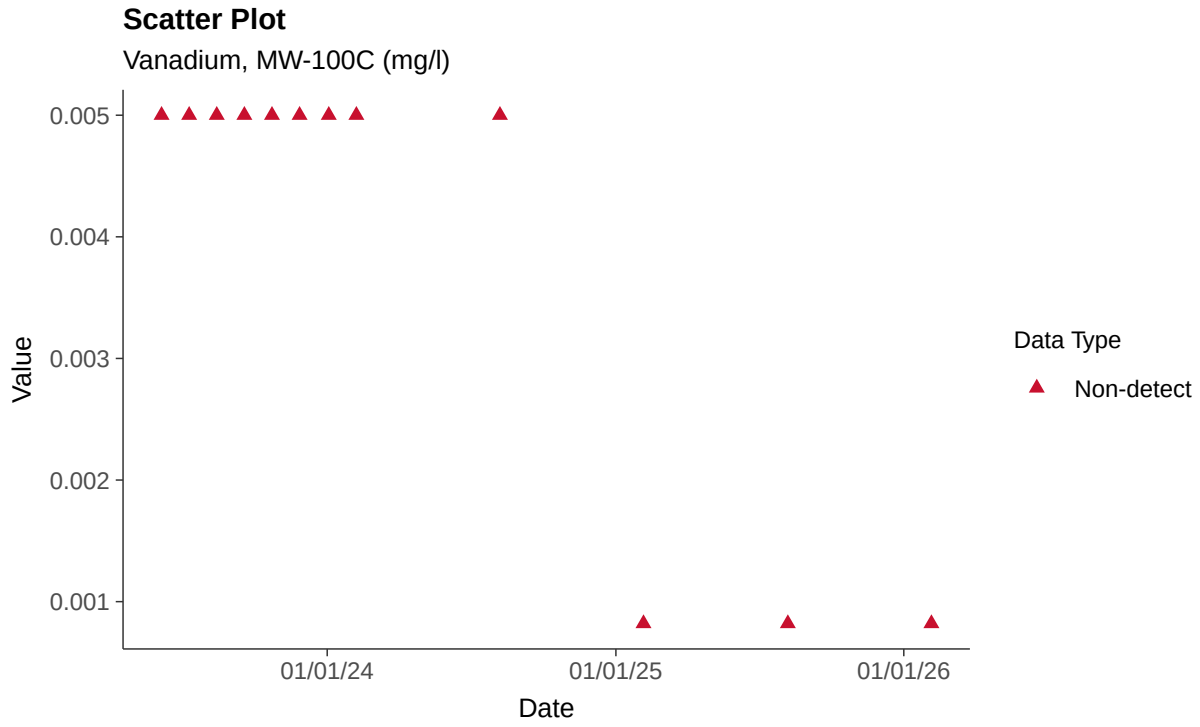
Trend Regression: Piecewise Linear-Linear-Linear

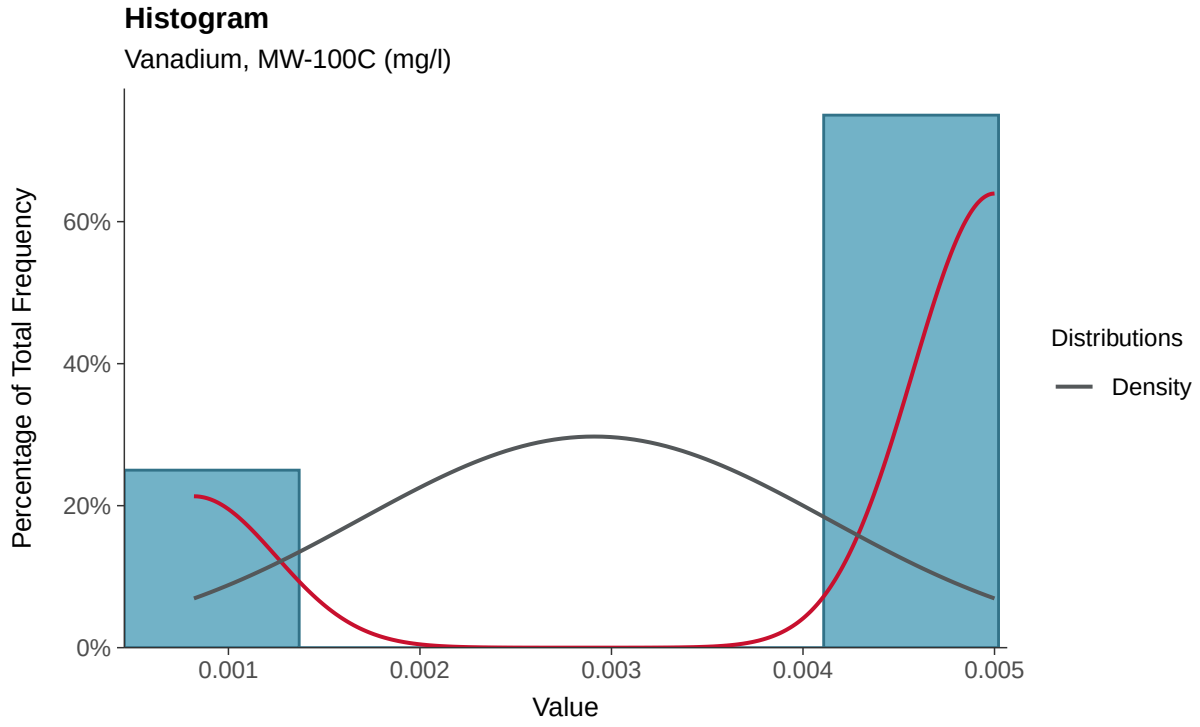
Silver, MW-100C (mg/l)



Part 115: Vanadium, MW-100C

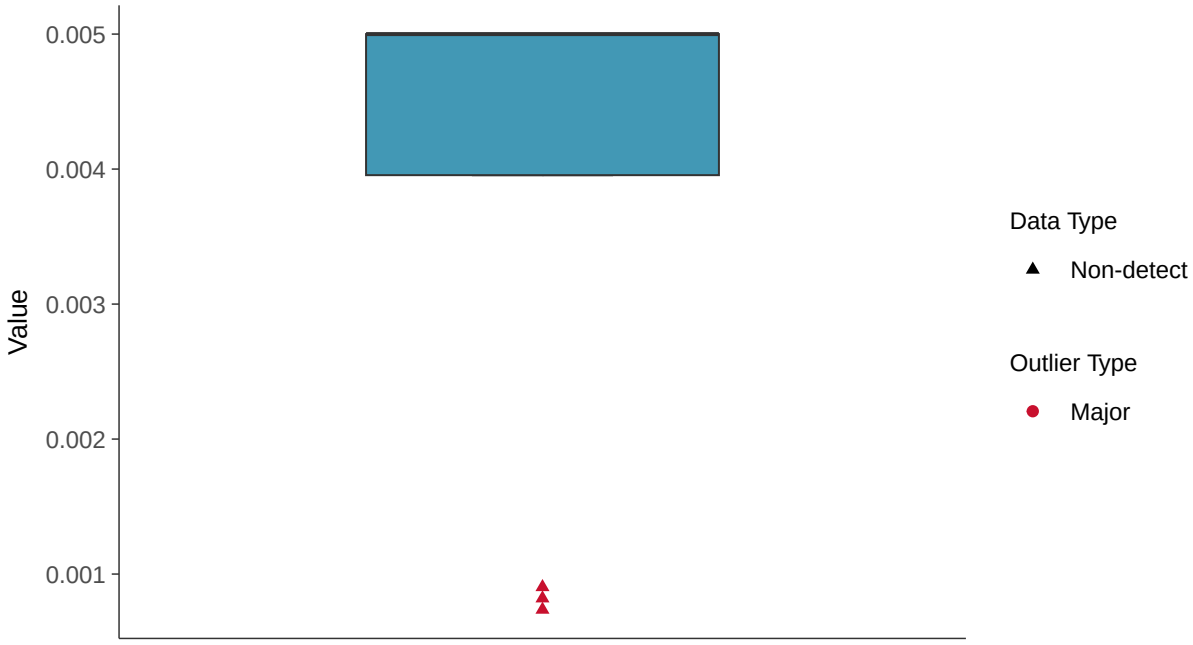
ID: 20_5_128





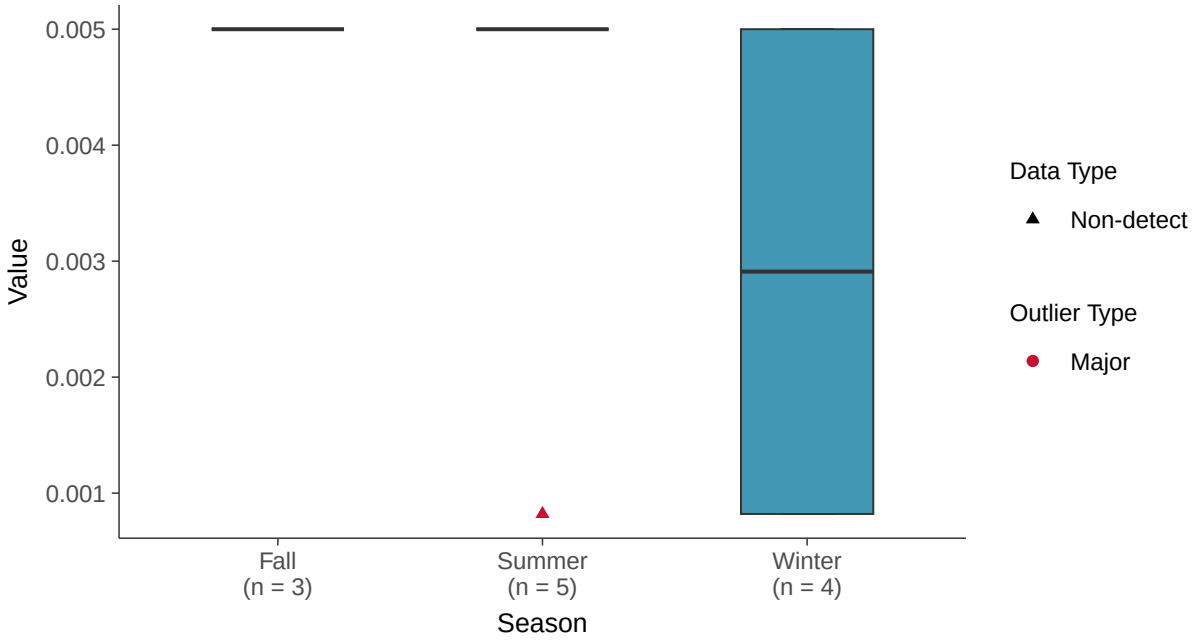
Boxplot

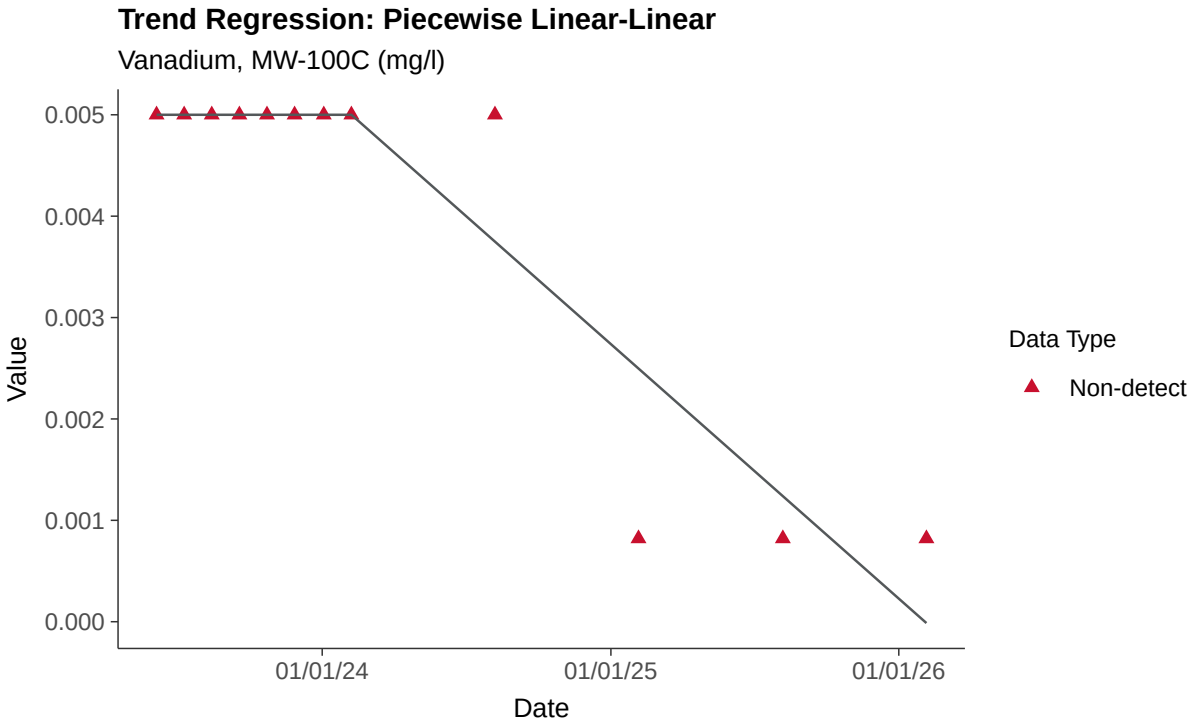
Vanadium, MW-100C (mg/l)



Boxplot by Season

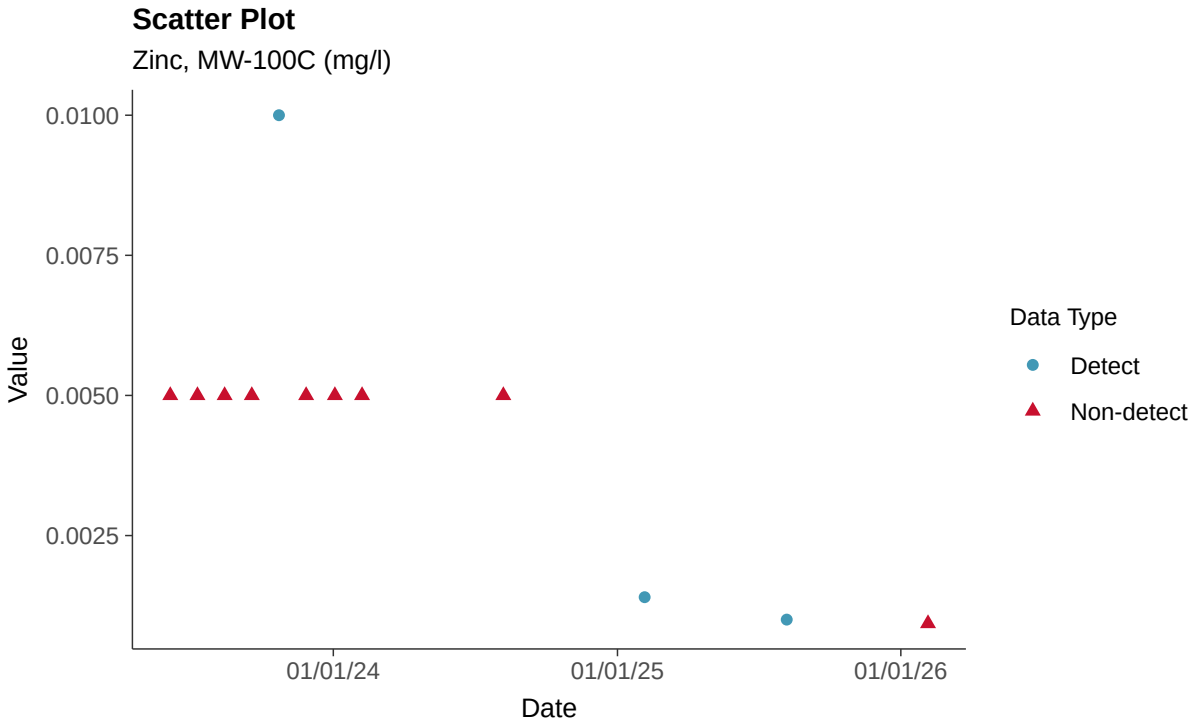
Vanadium, MW-100C (mg/l)

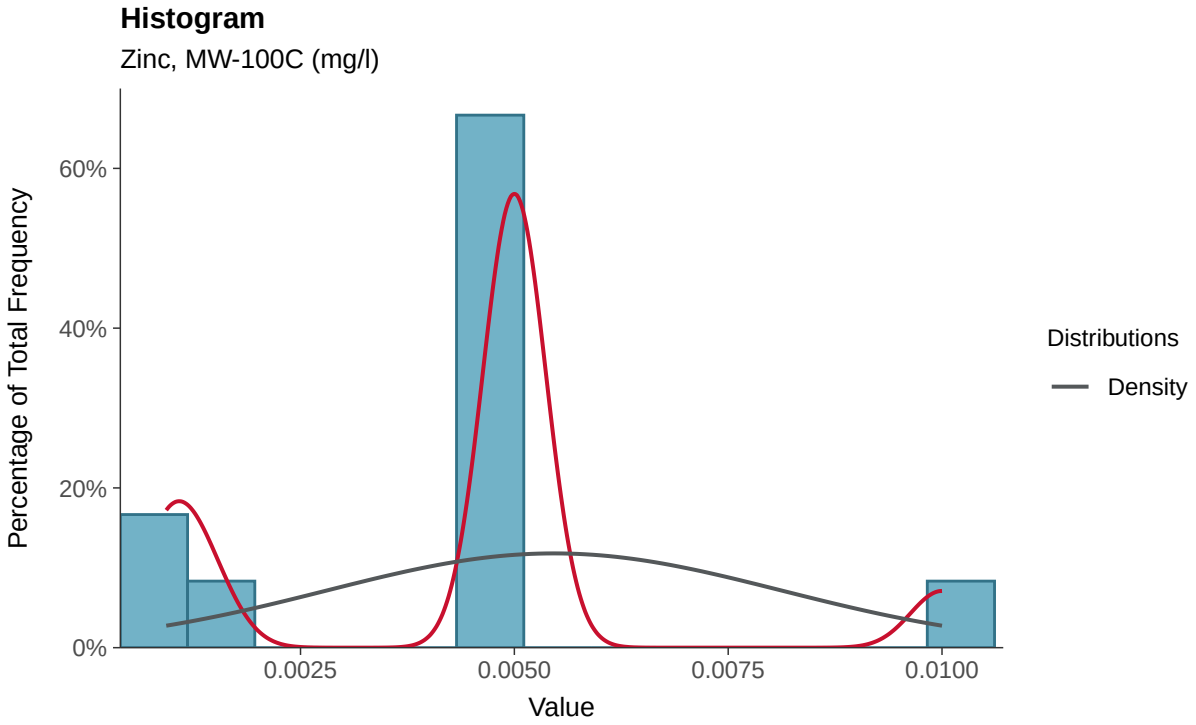



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-100C (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-100C

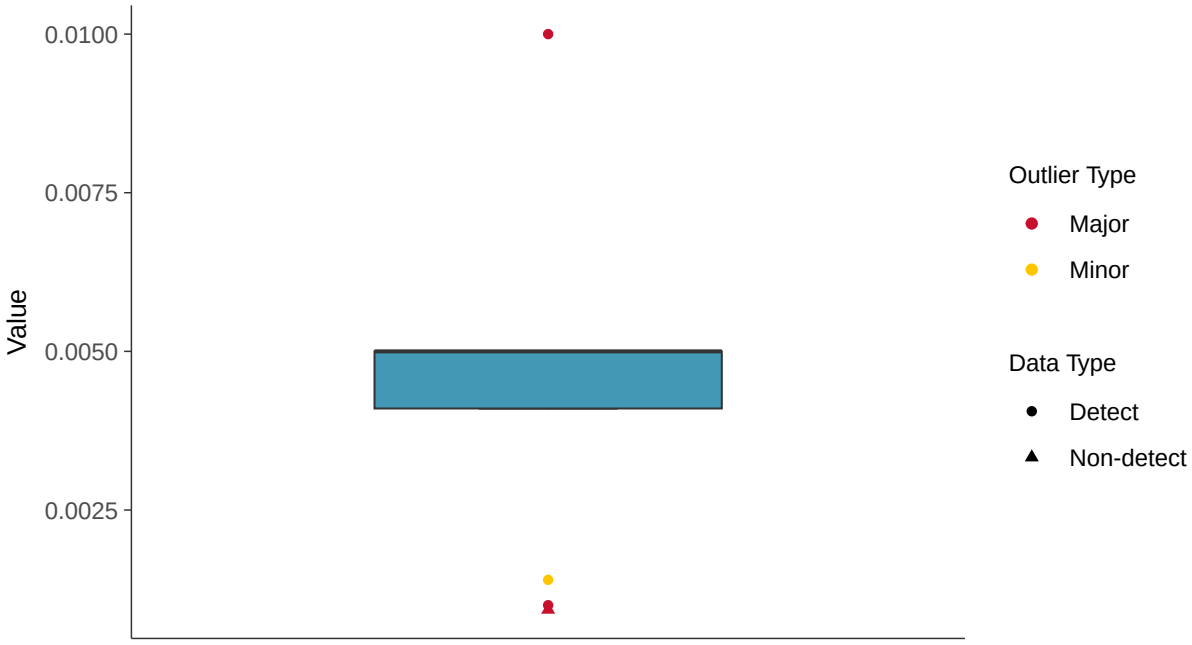
ID: 20_5_129





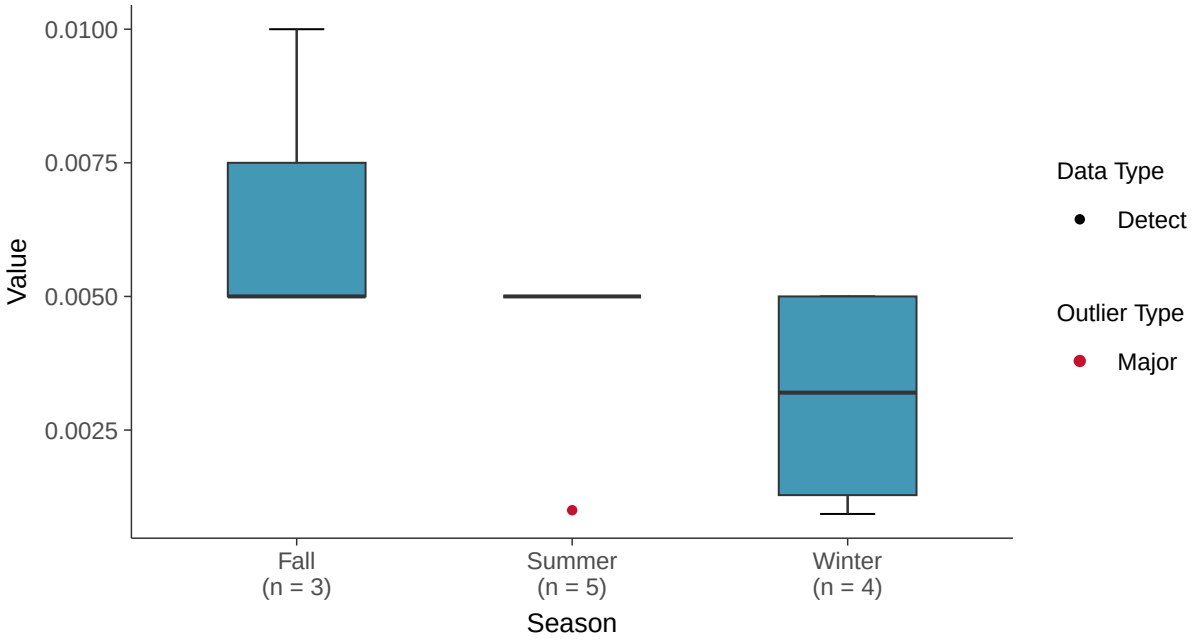
Boxplot

Zinc, MW-100C (mg/l)



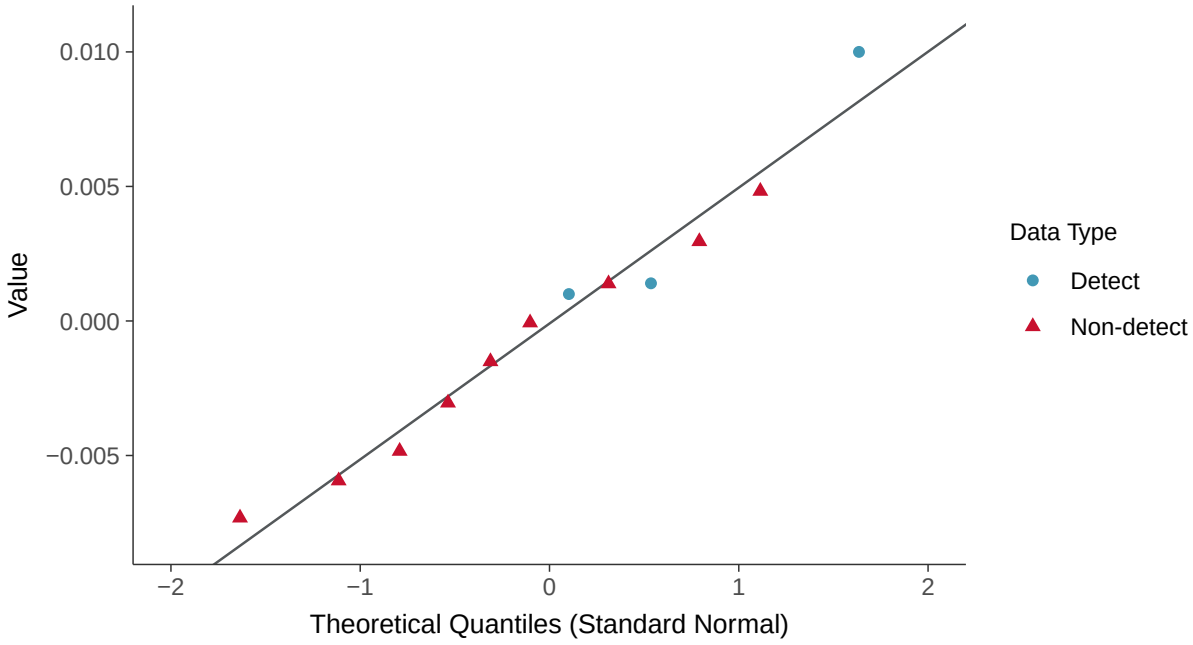
Boxplot by Season

Zinc, MW-100C (mg/l)



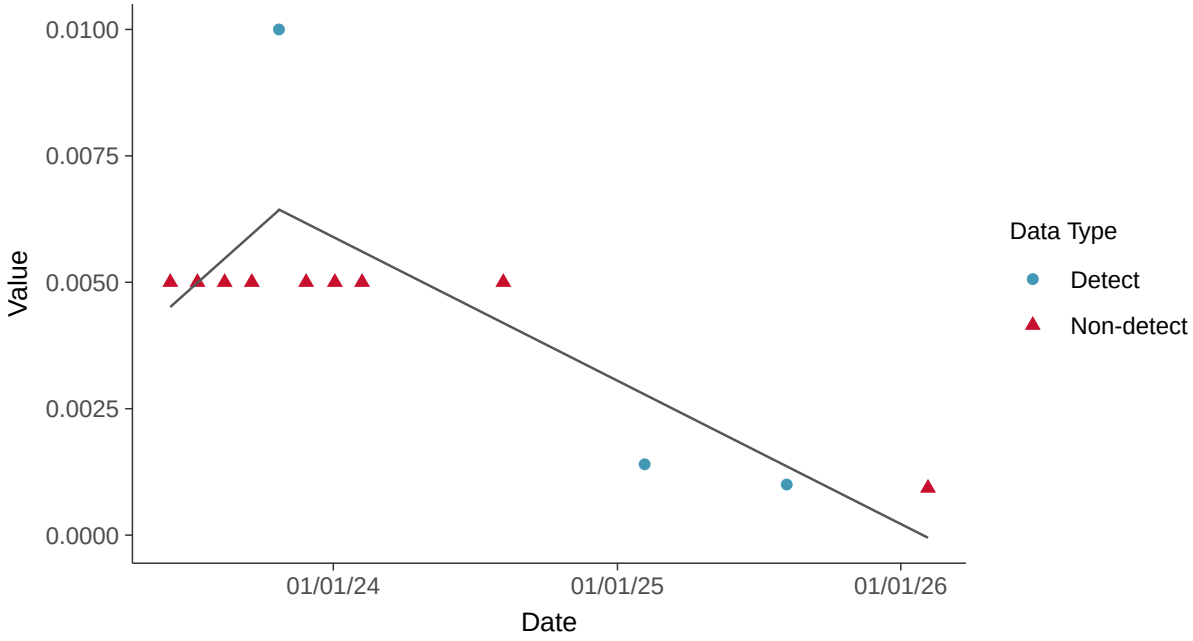
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-100C (mg/l)



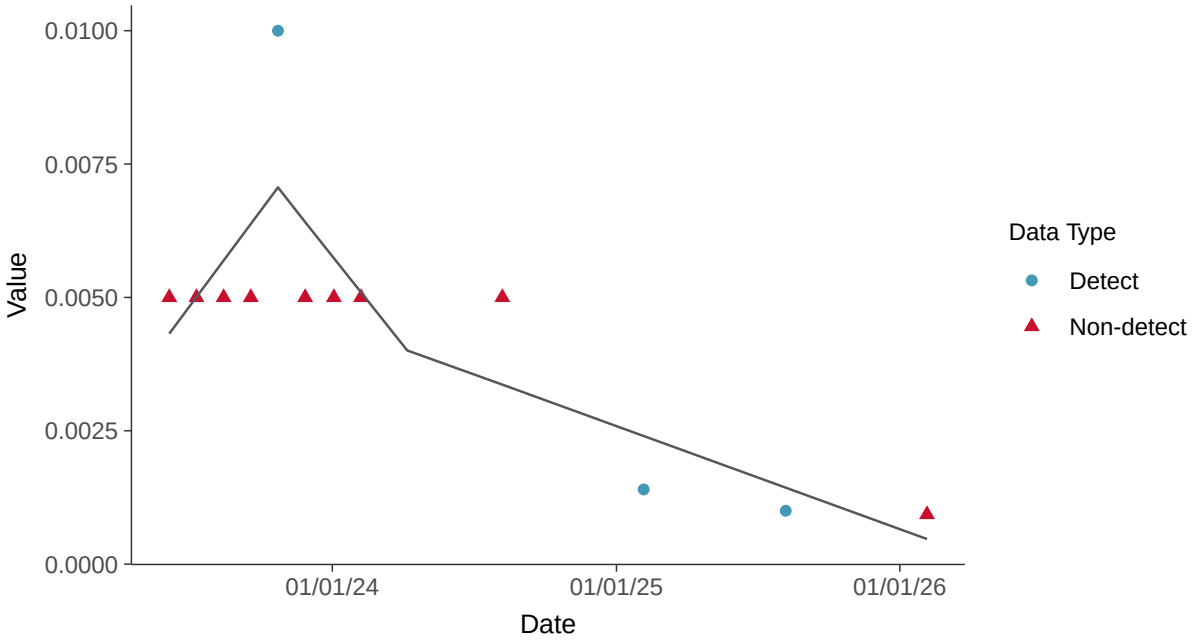
Trend Regression: Piecewise Linear-Linear

Zinc, MW-100C (mg/l)



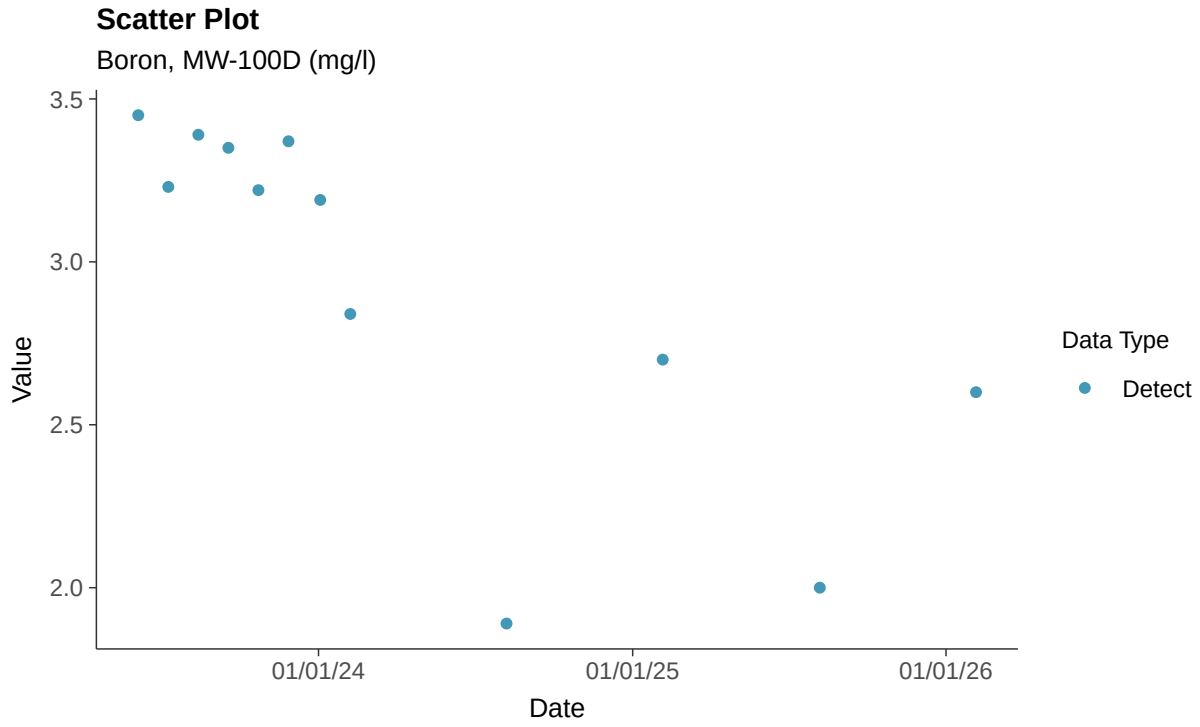
Trend Regression: Piecewise Linear-Linear-Linear

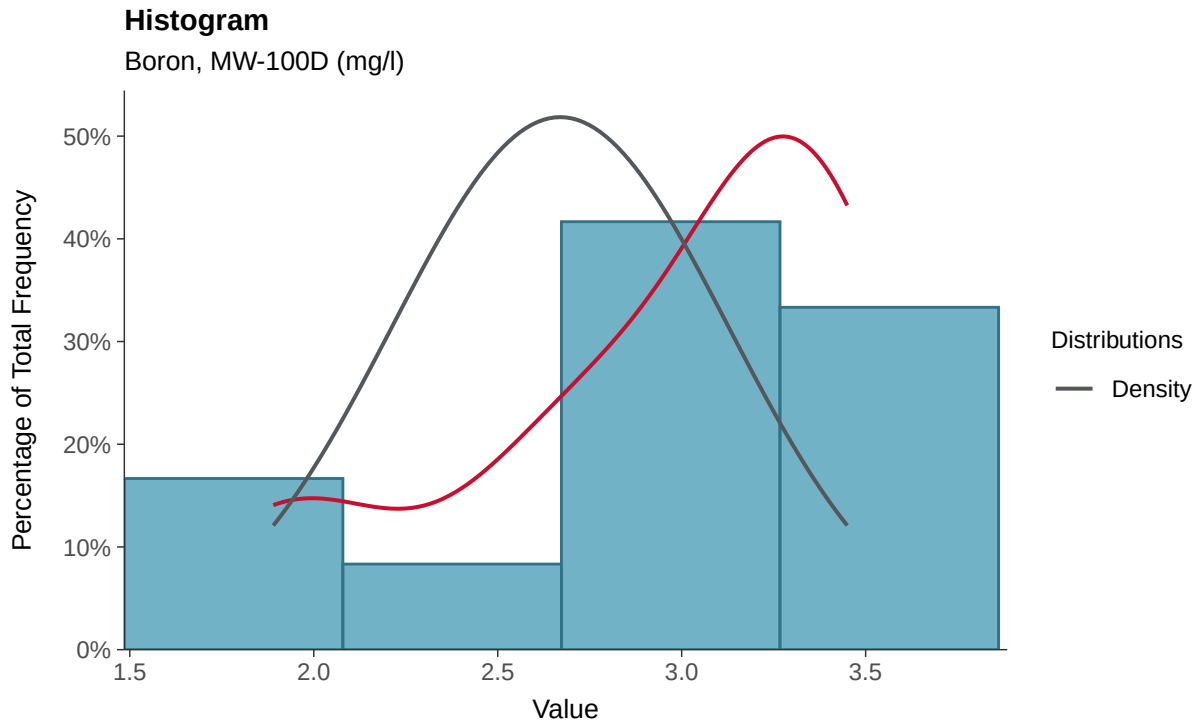
Zinc, MW-100C (mg/l)



Appendix III: Boron, MW-100D

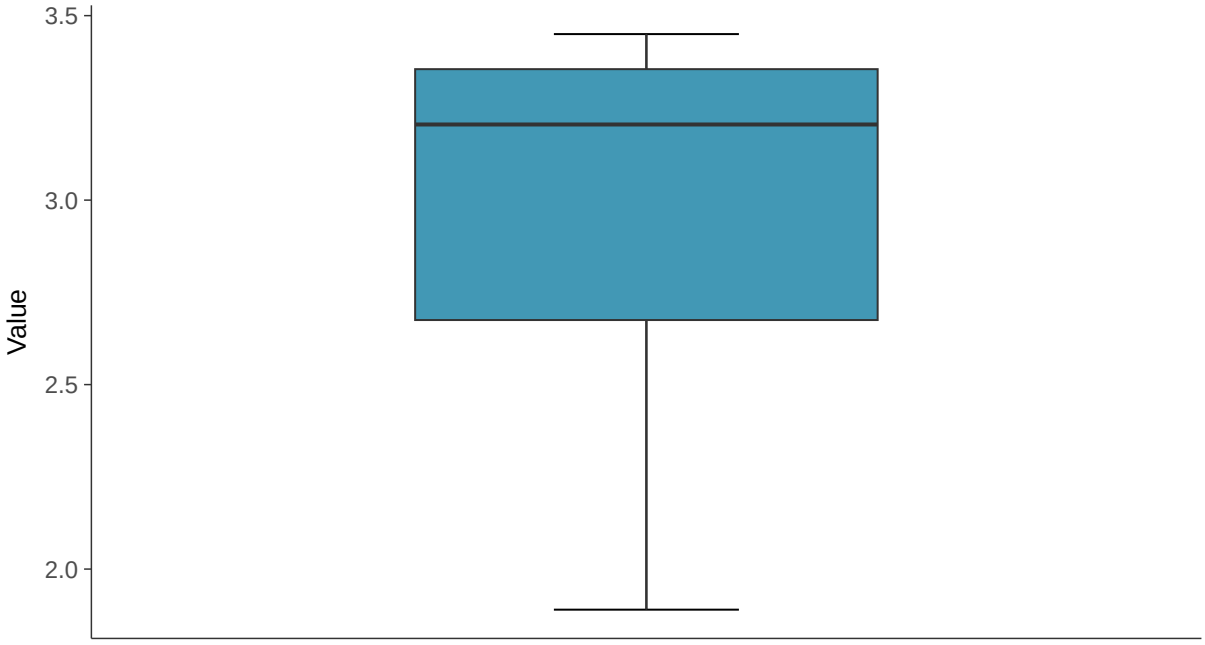
ID: 21_2_105





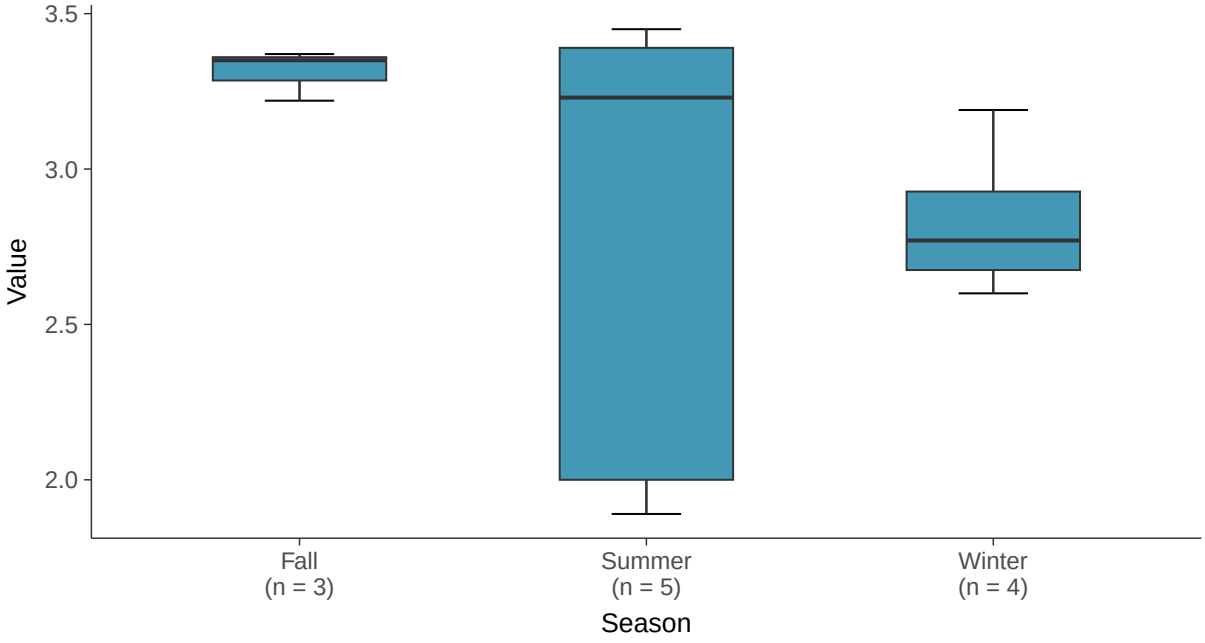
Boxplot

Boron, MW-100D (mg/l)



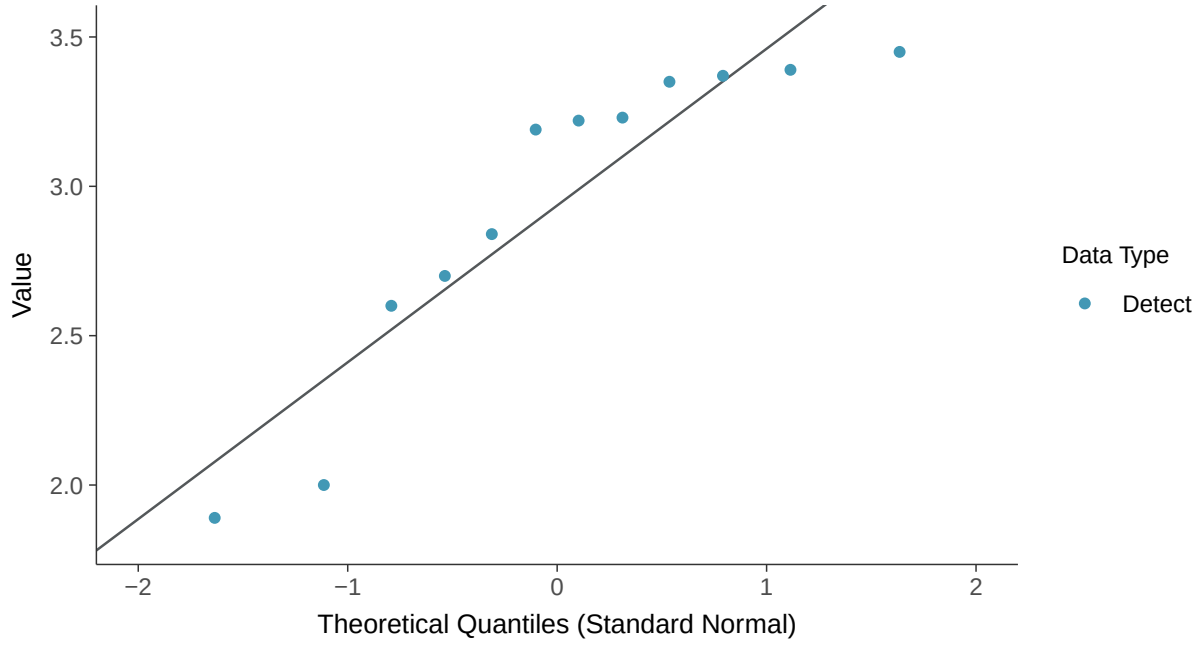
Boxplot by Season

Boron, MW-100D (mg/l)



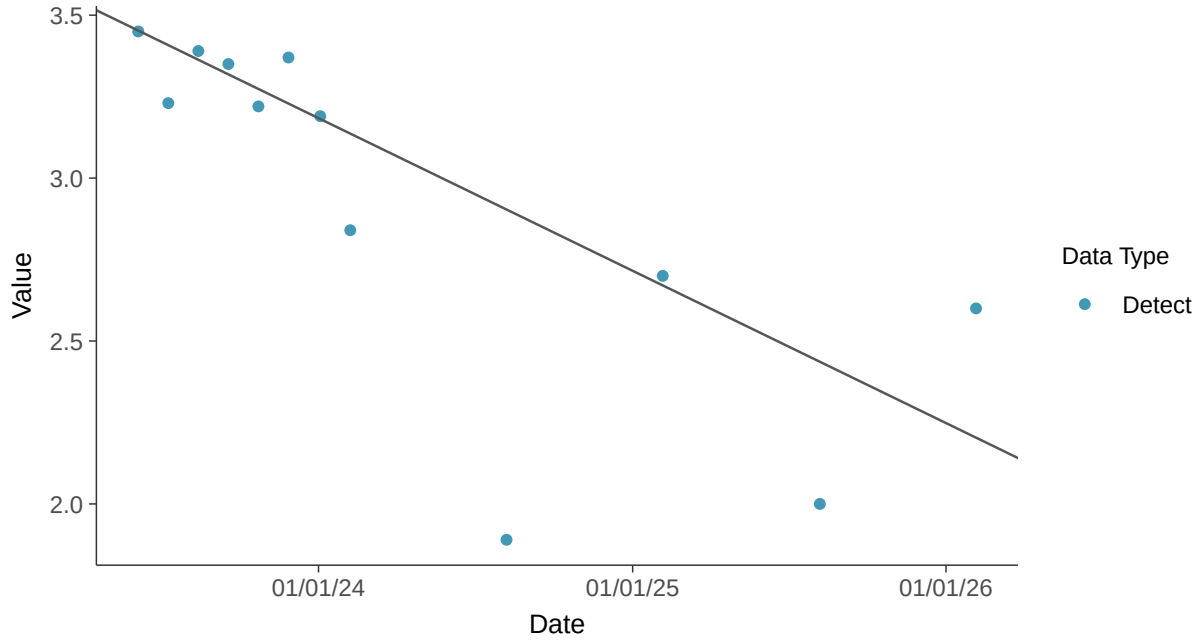
Normal Q-Q plot

Boron, MW-100D (mg/l)



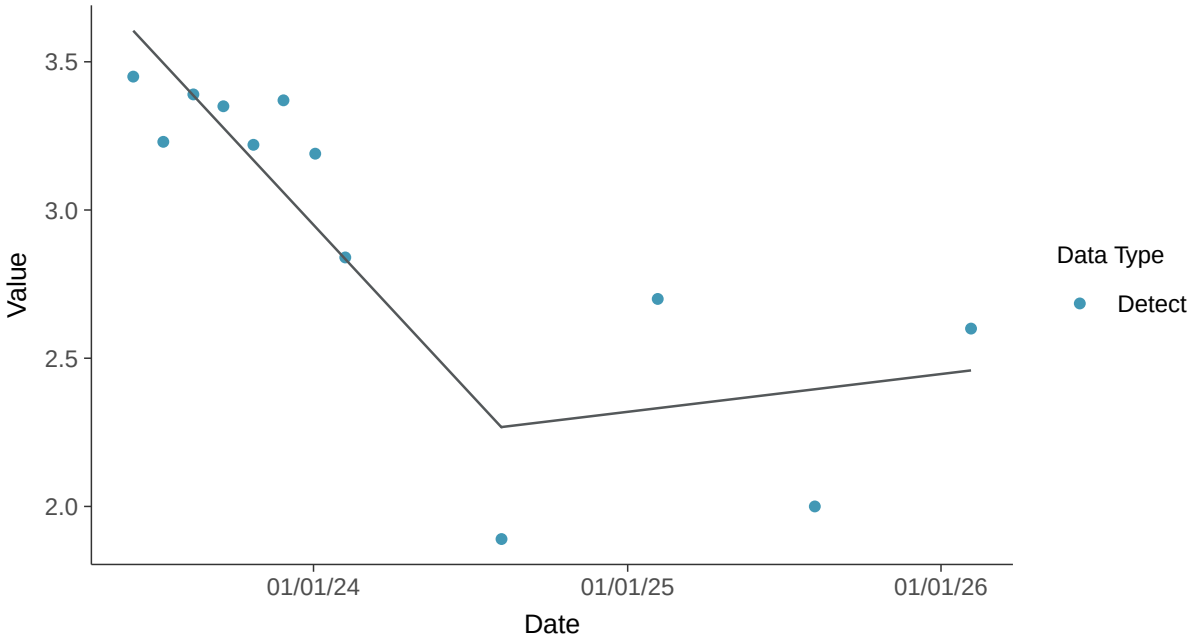
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Boron, MW-100D (mg/l)



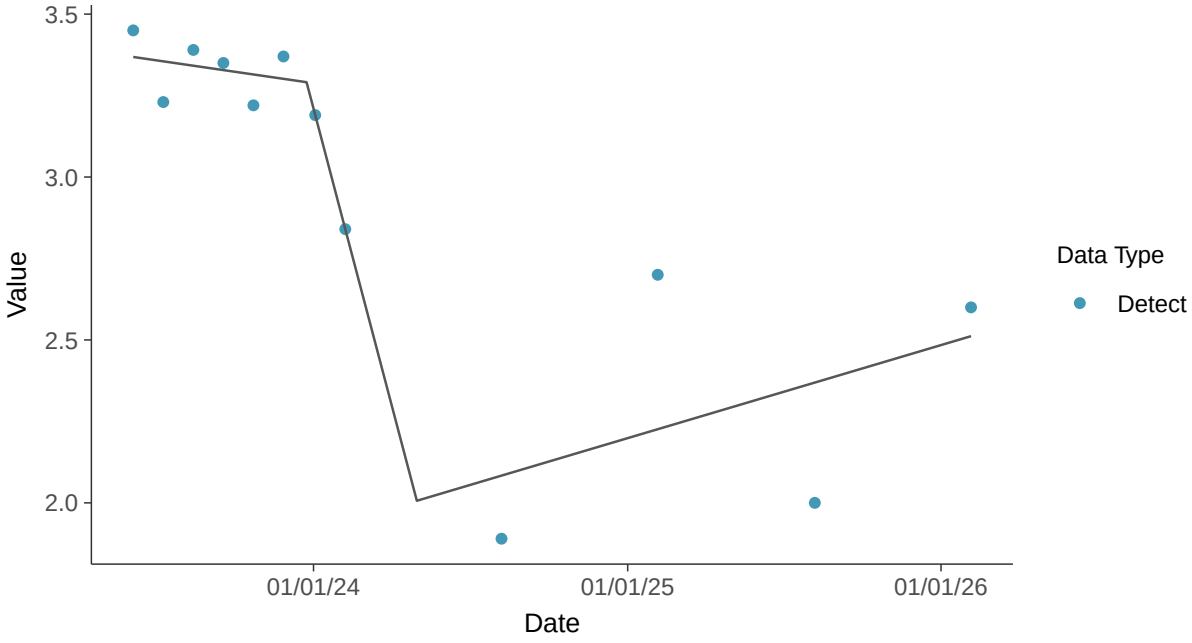
Trend Regression: Piecewise Linear-Linear

Boron, MW-100D (mg/l)



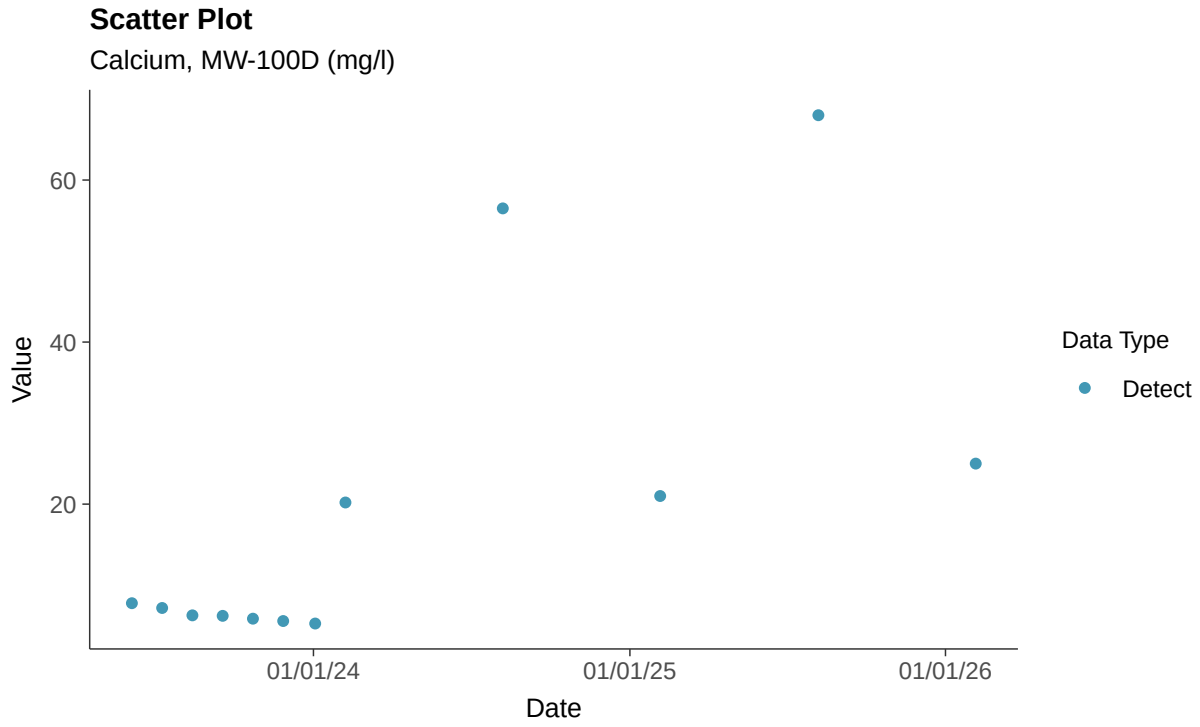
Trend Regression: Piecewise Linear-Linear-Linear

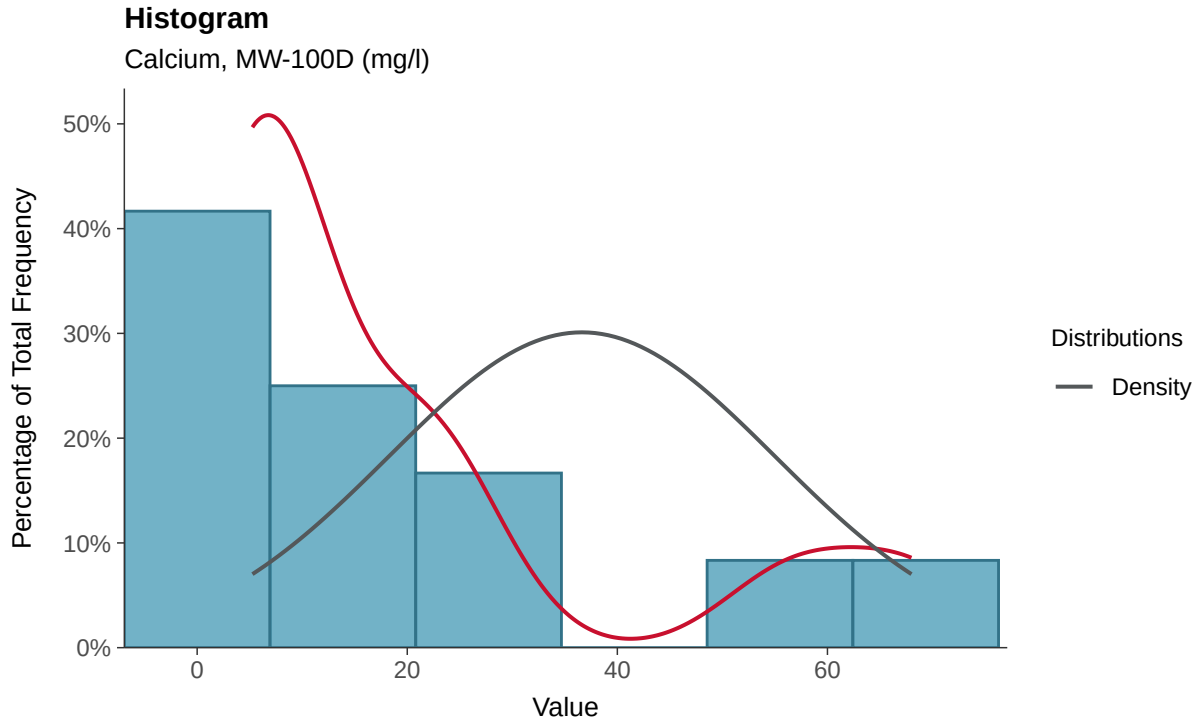
Boron, MW-100D (mg/l)



Appendix III: Calcium, MW-100D

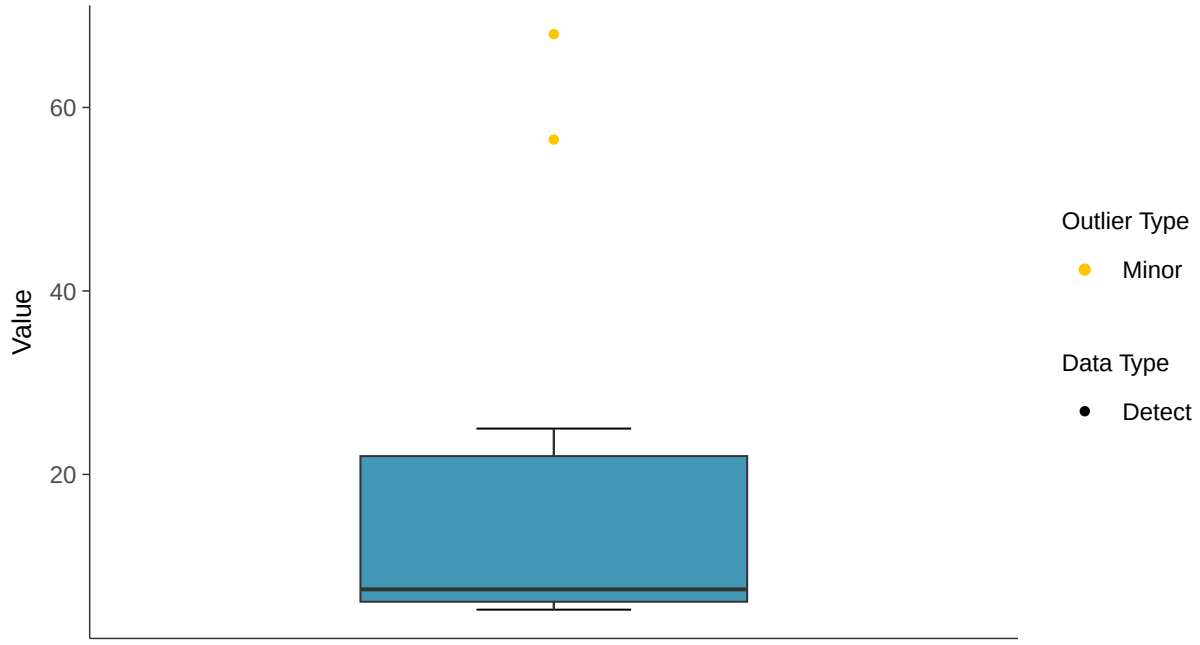
ID: 21_2_107





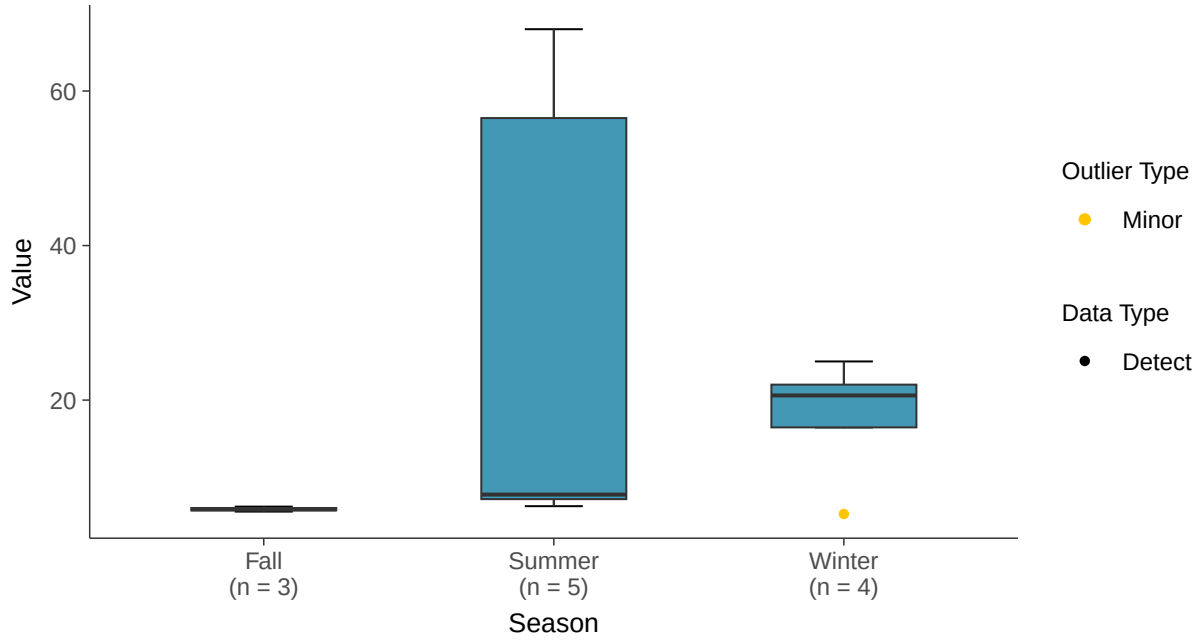
Boxplot

Calcium, MW-100D (mg/l)



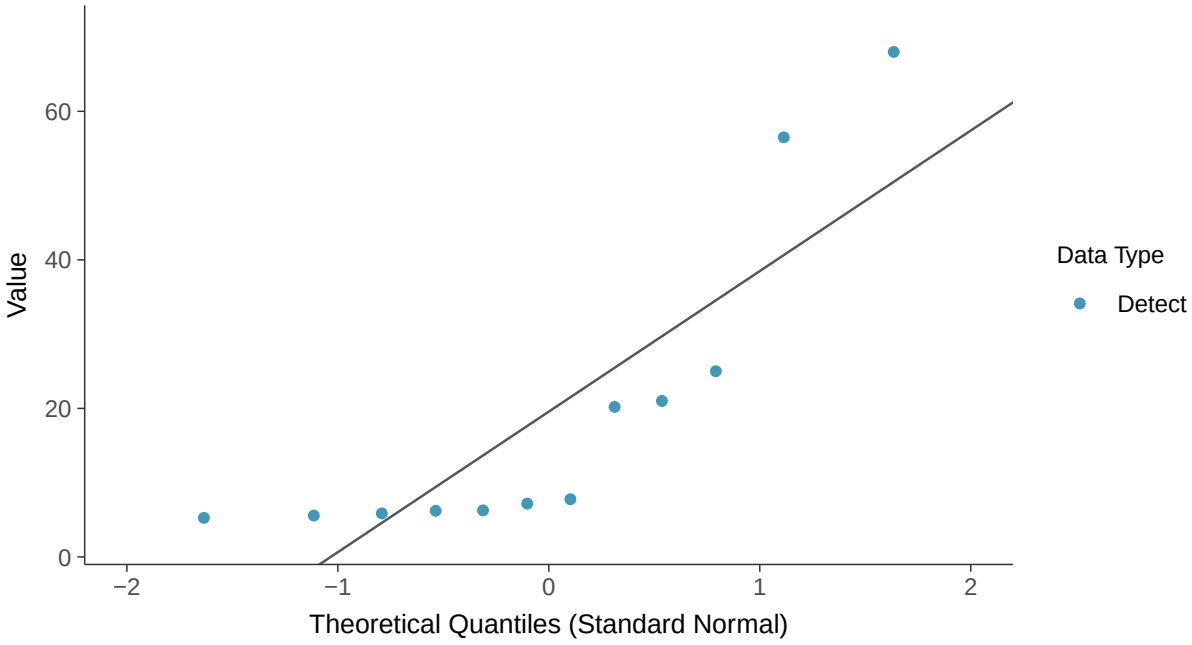
Boxplot by Season

Calcium, MW-100D (mg/l)



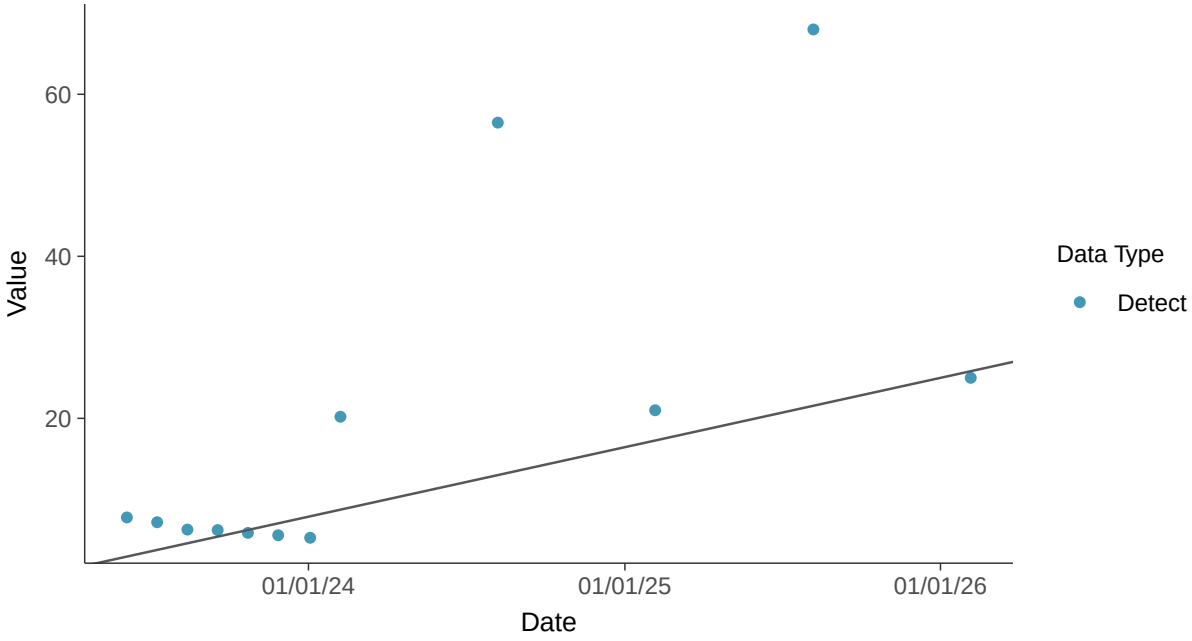
Normal Q-Q plot

Calcium, MW-100D (mg/l)



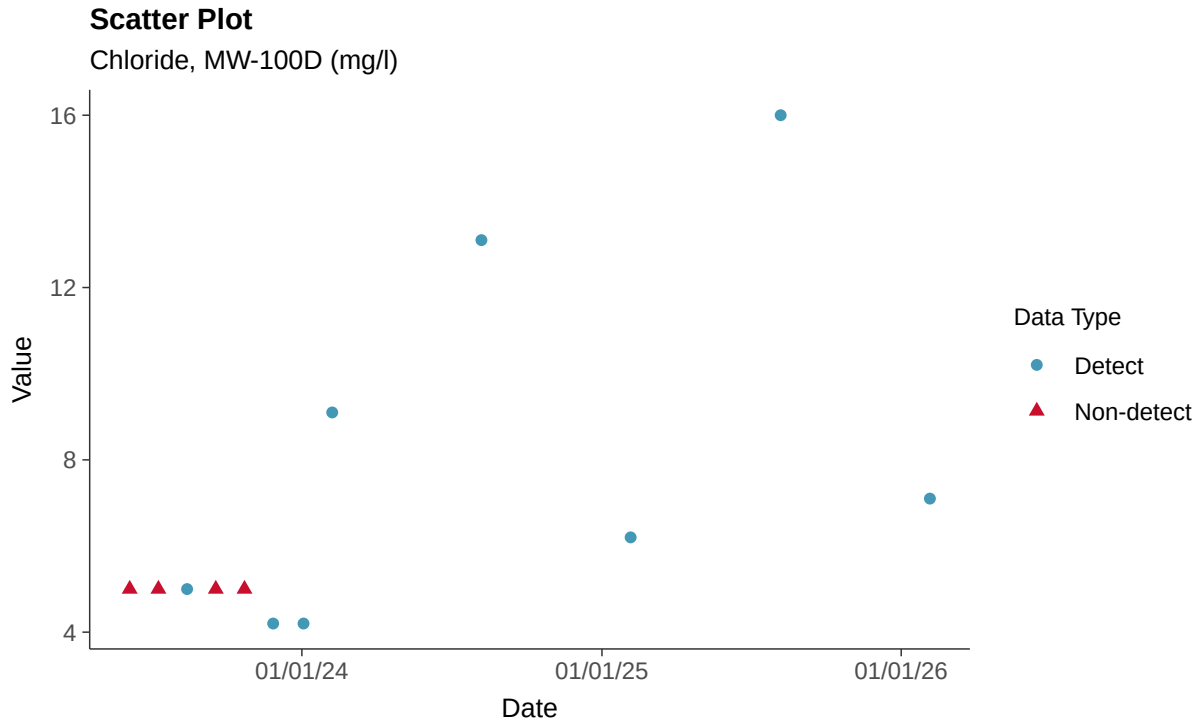
Trend Regression: Mann-Kendall/Theil-Sen Estimate

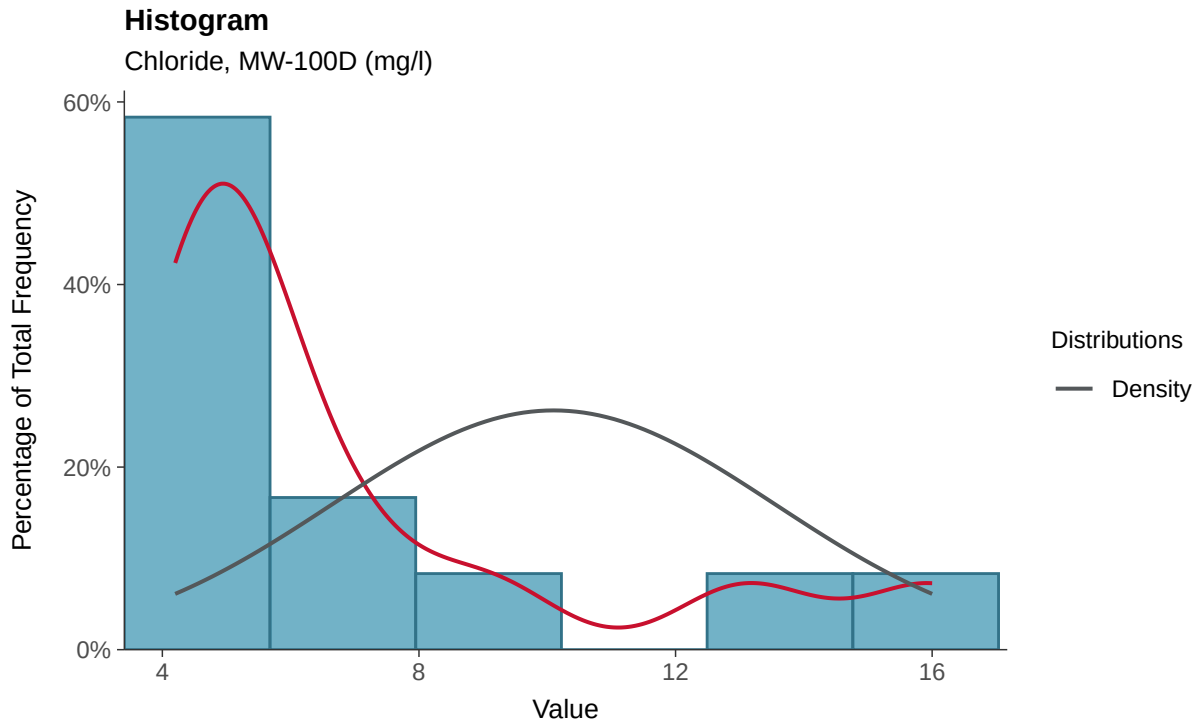
Calcium, MW-100D (mg/l)



Appendix III: Chloride, MW-100D

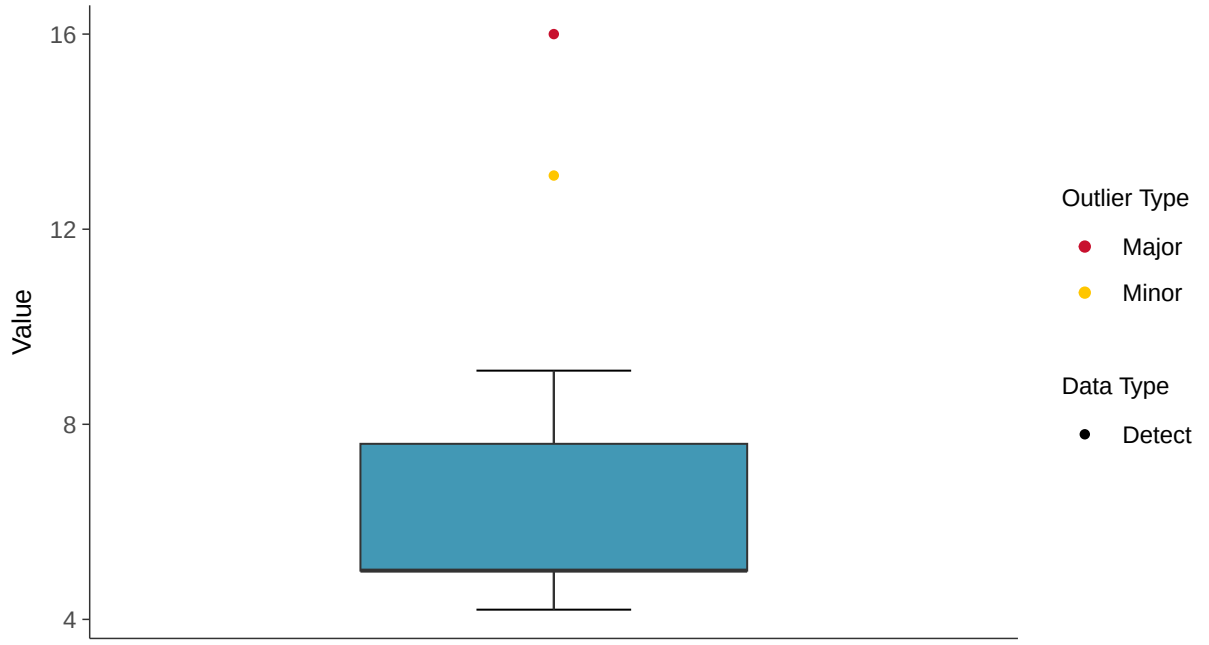
ID: 21_2_108





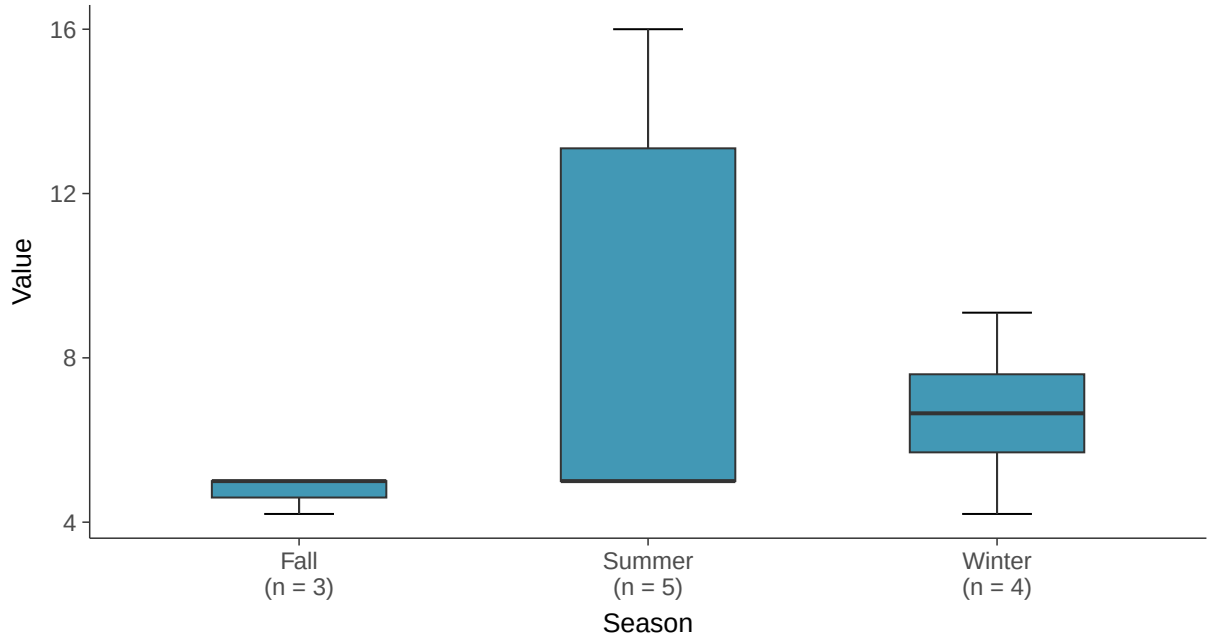
Boxplot

Chloride, MW-100D (mg/l)



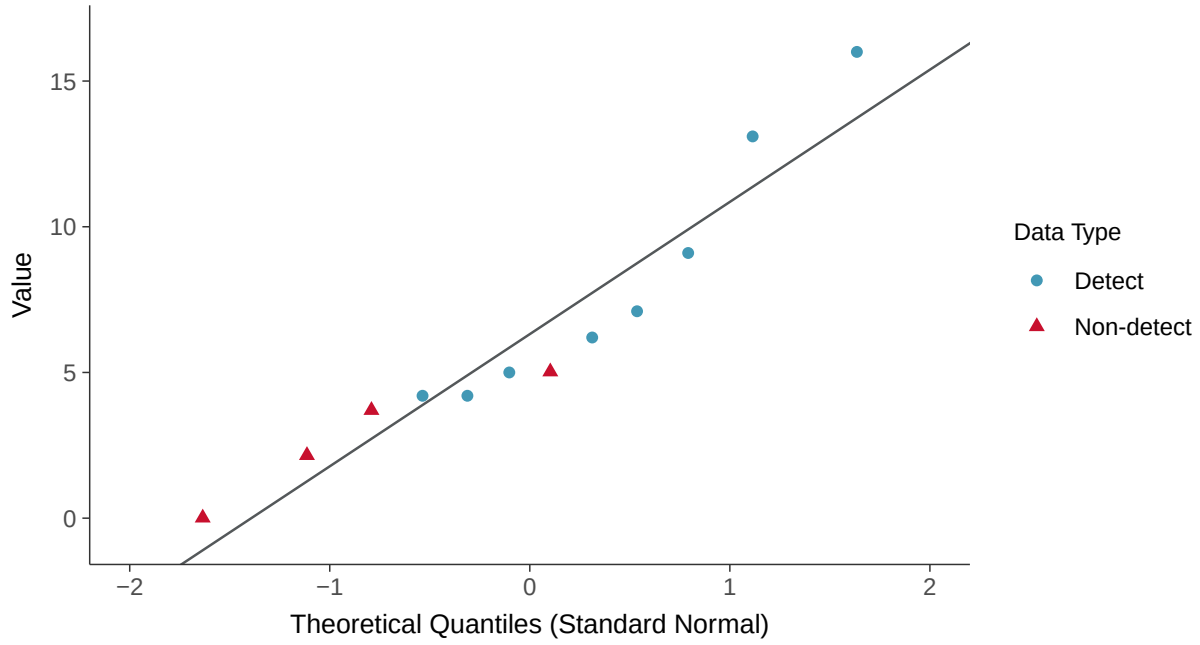
Boxplot by Season

Chloride, MW-100D (mg/l)



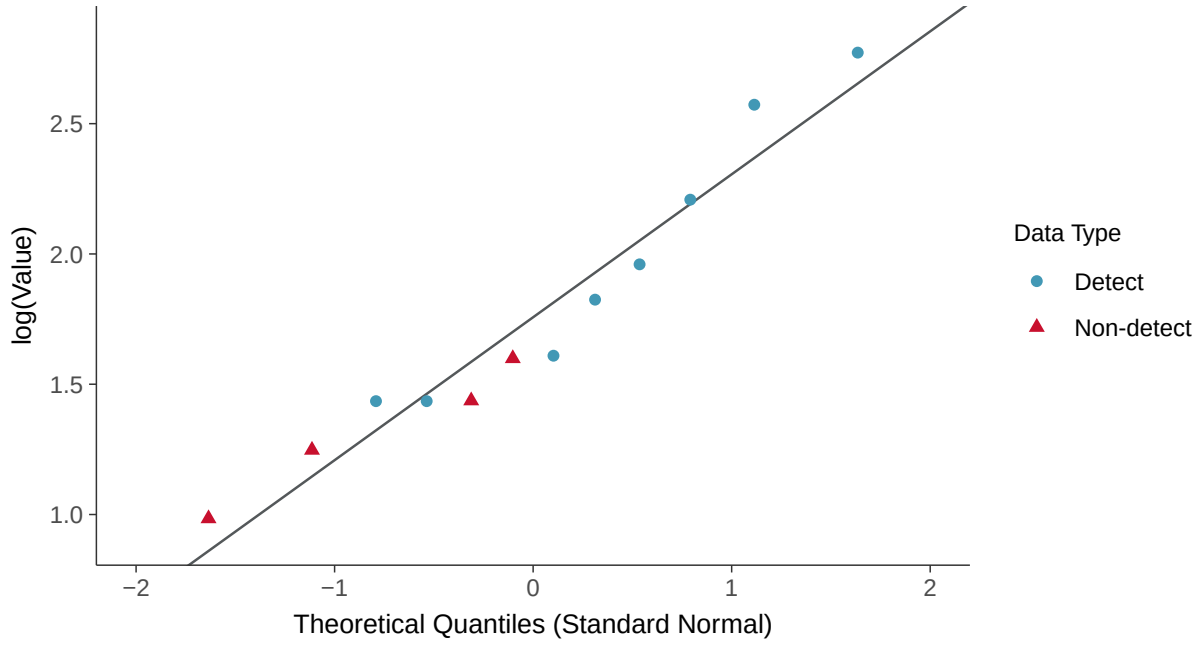
Normal Q-Q plot using ROS Imputed Estimates

Chloride, MW-100D (mg/l)



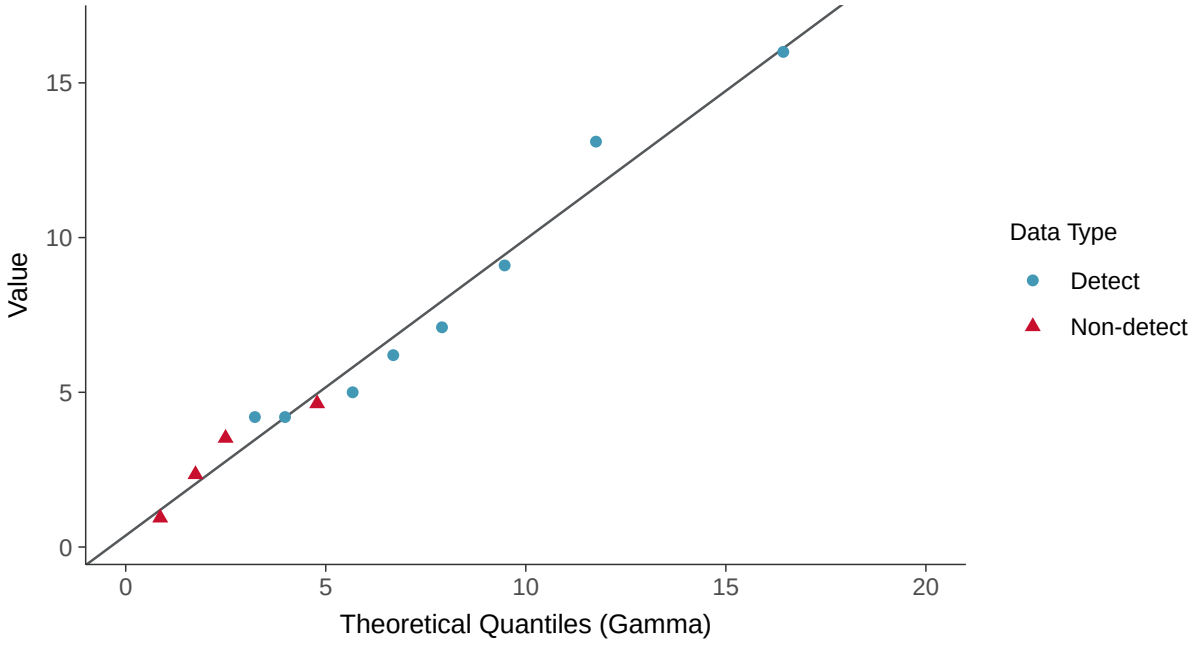
Lognormal Q-Q plot using ROS Imputed Estimates

Chloride, MW-100D (mg/l)



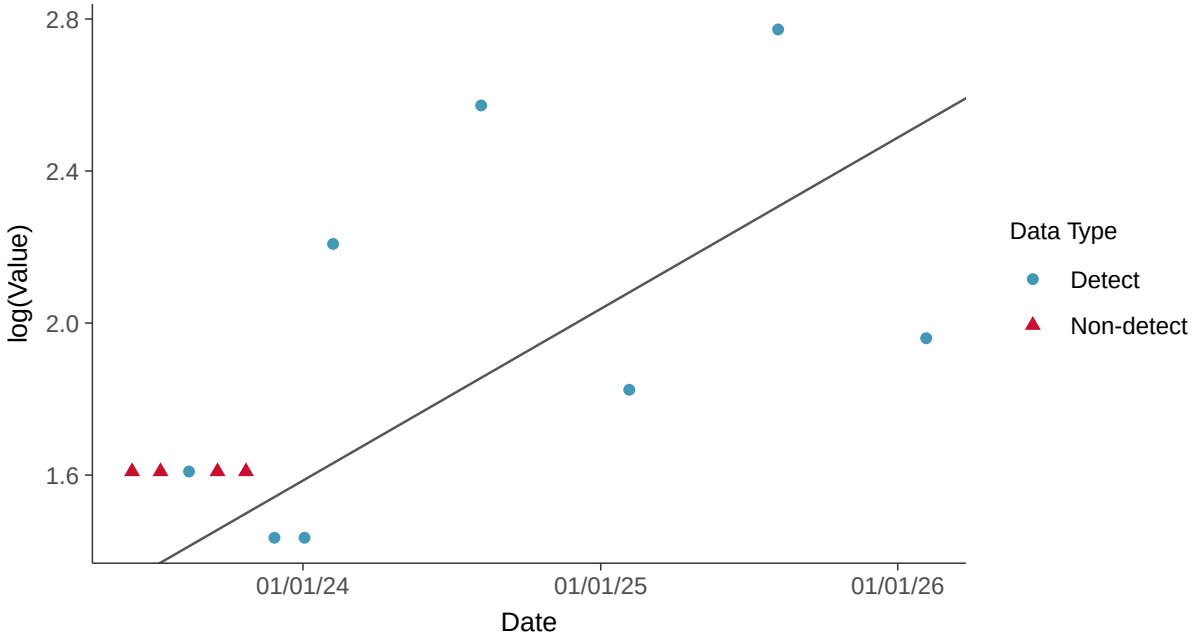
Gamma Q-Q plot using ROS Imputed Estimates

Chloride, MW-100D (mg/l)



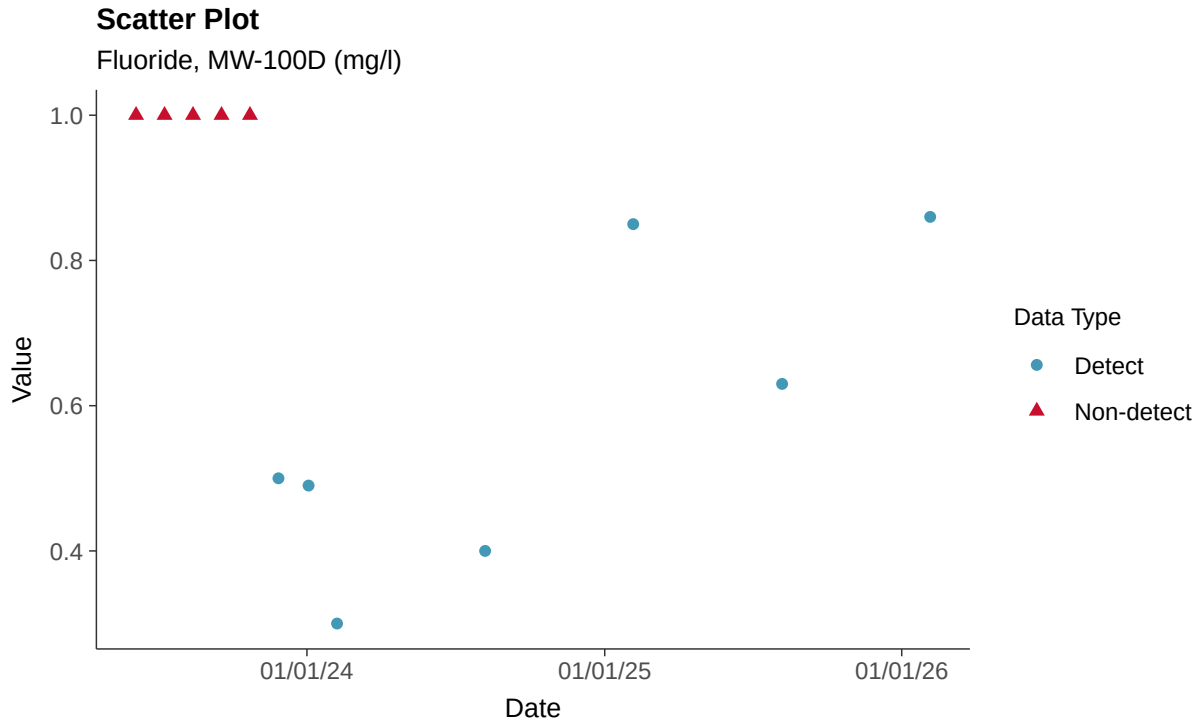
Trend Regression: Lognormal MLE

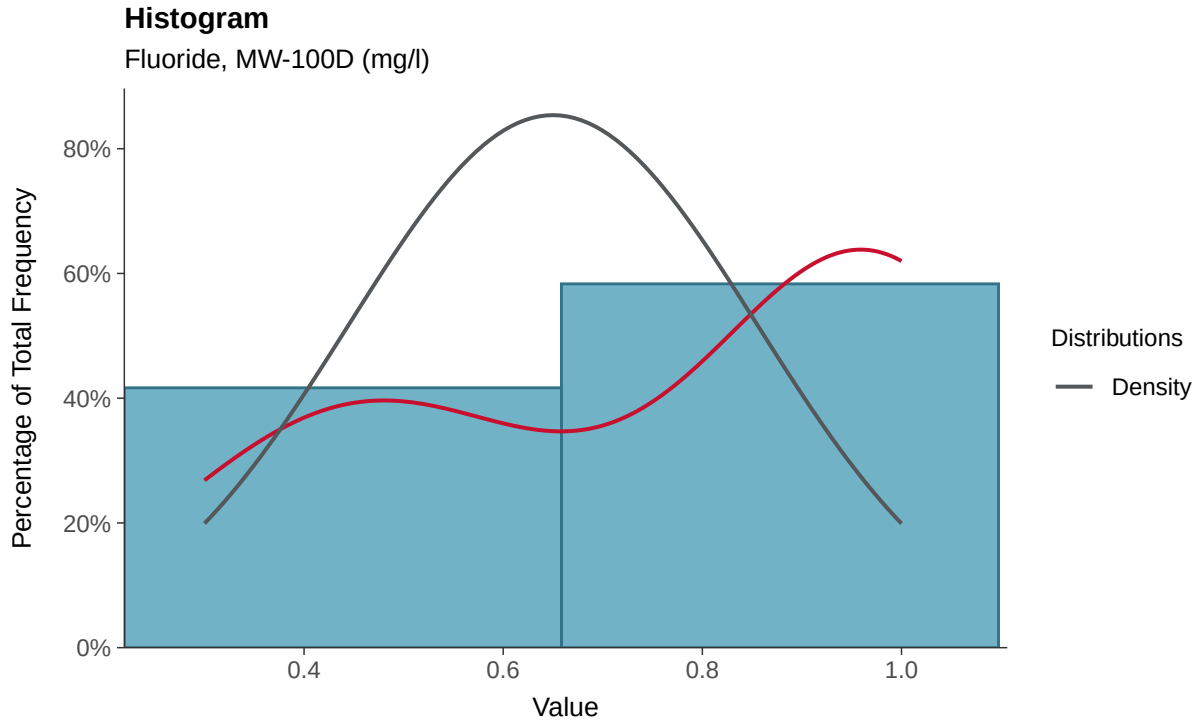
Chloride, MW-100D (mg/l)



Appendix III: Fluoride, MW-100D

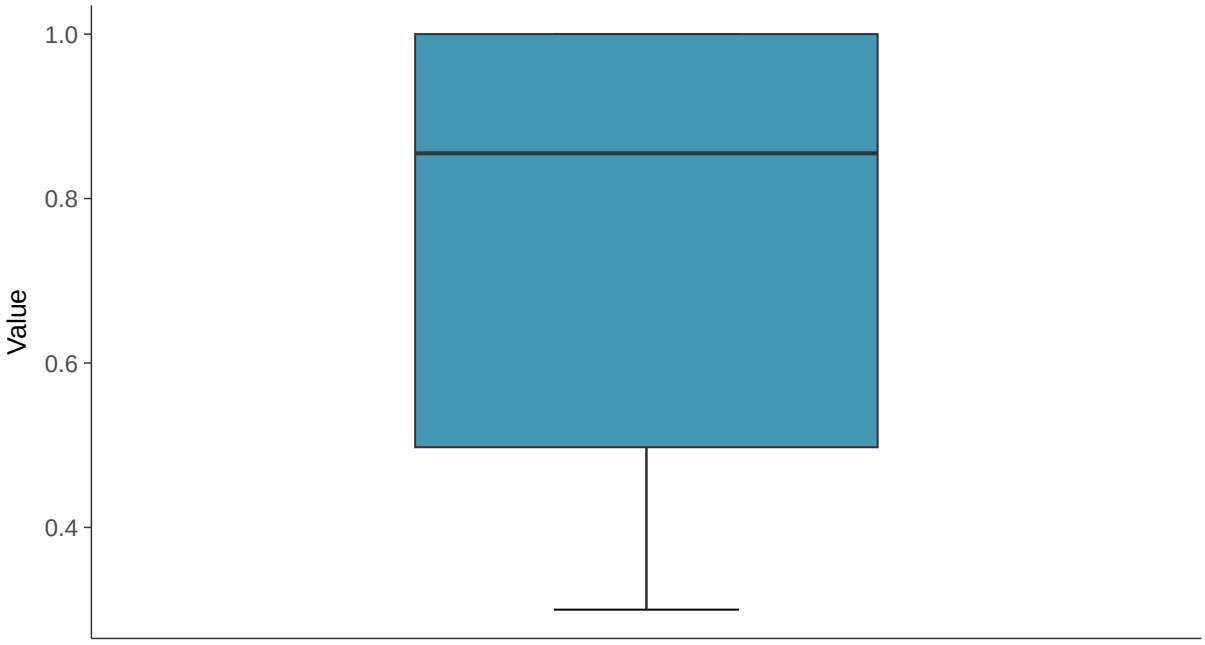
ID: 21_2_112





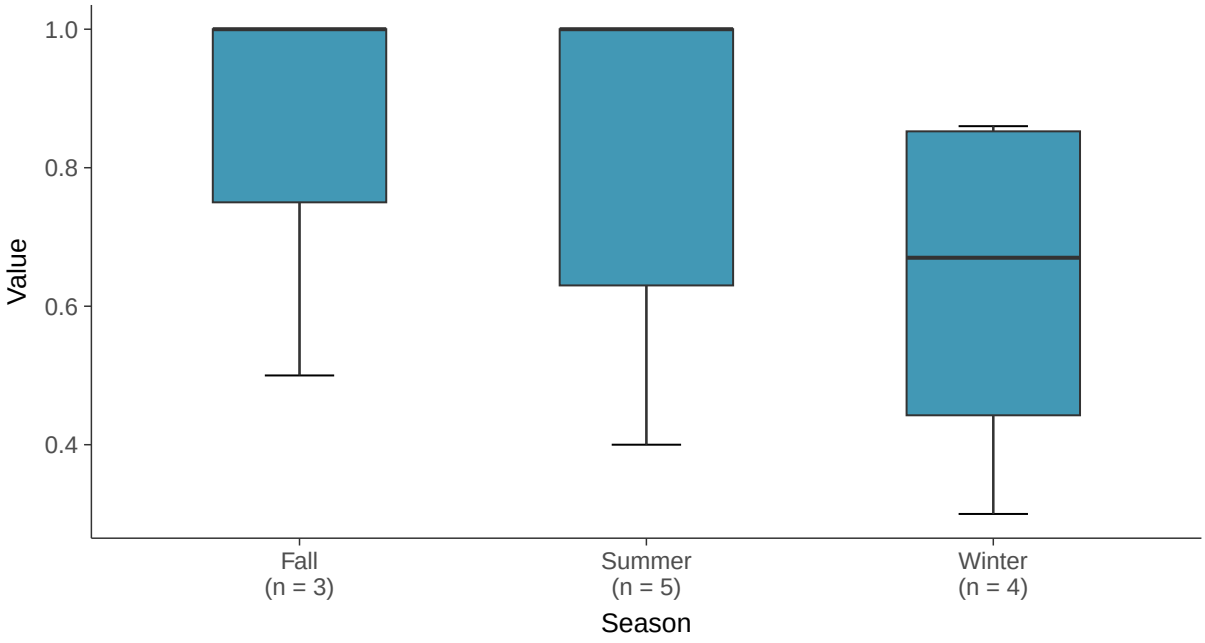
Boxplot

Fluoride, MW-100D (mg/l)



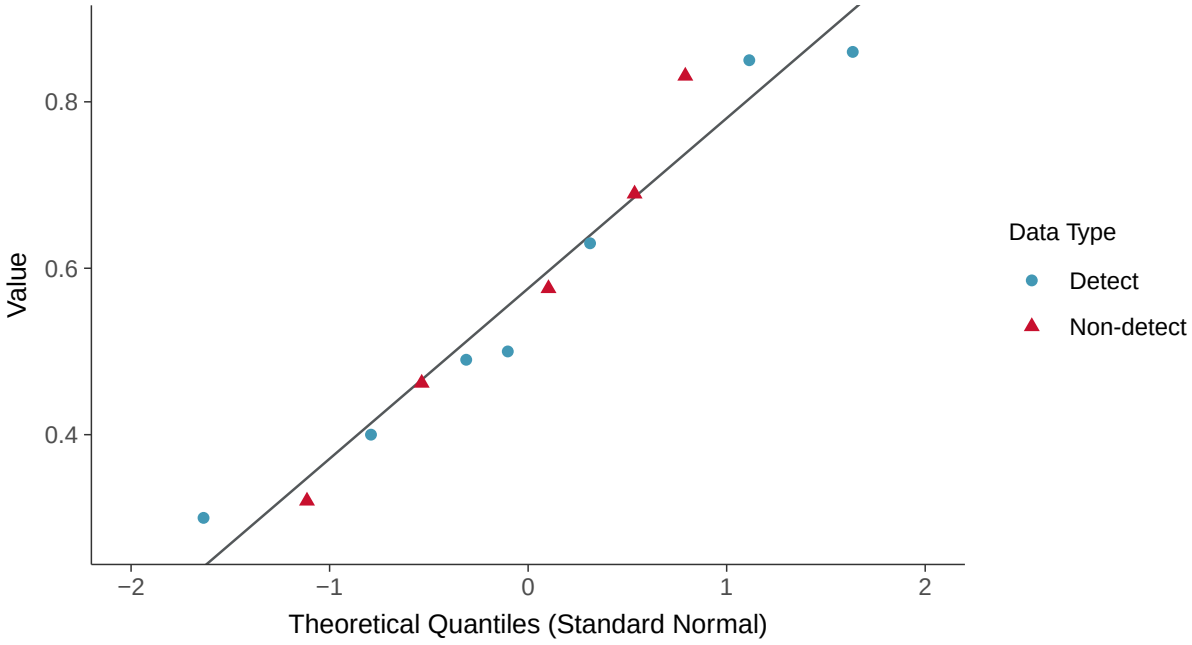
Boxplot by Season

Fluoride, MW-100D (mg/l)



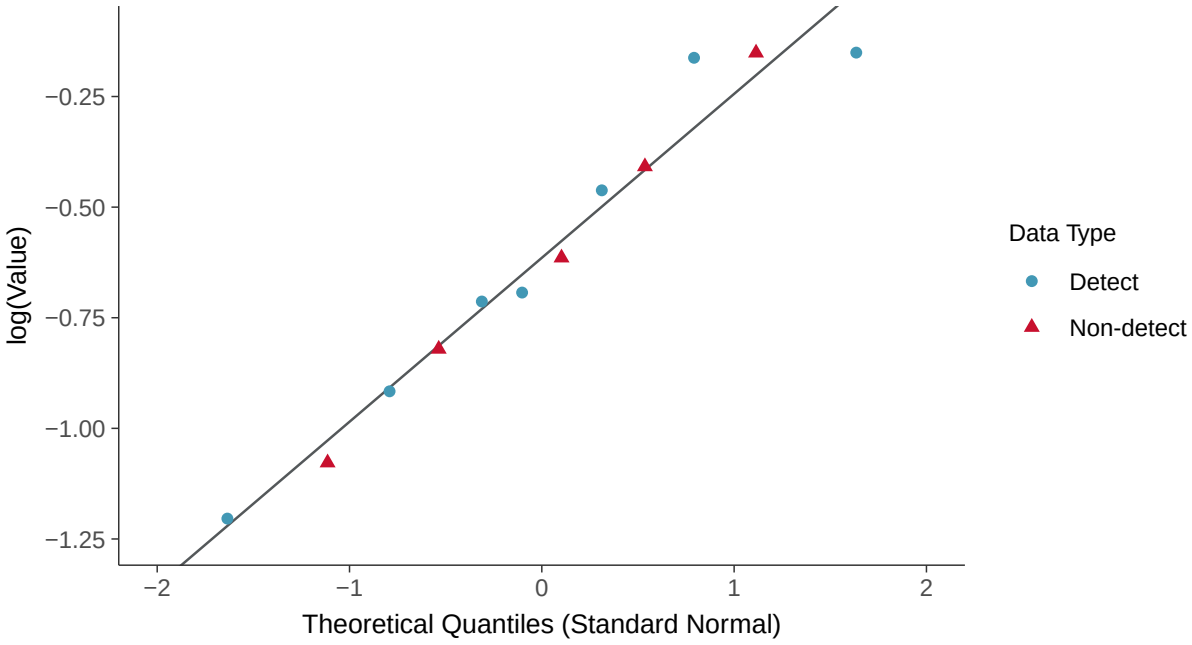
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-100D (mg/l)



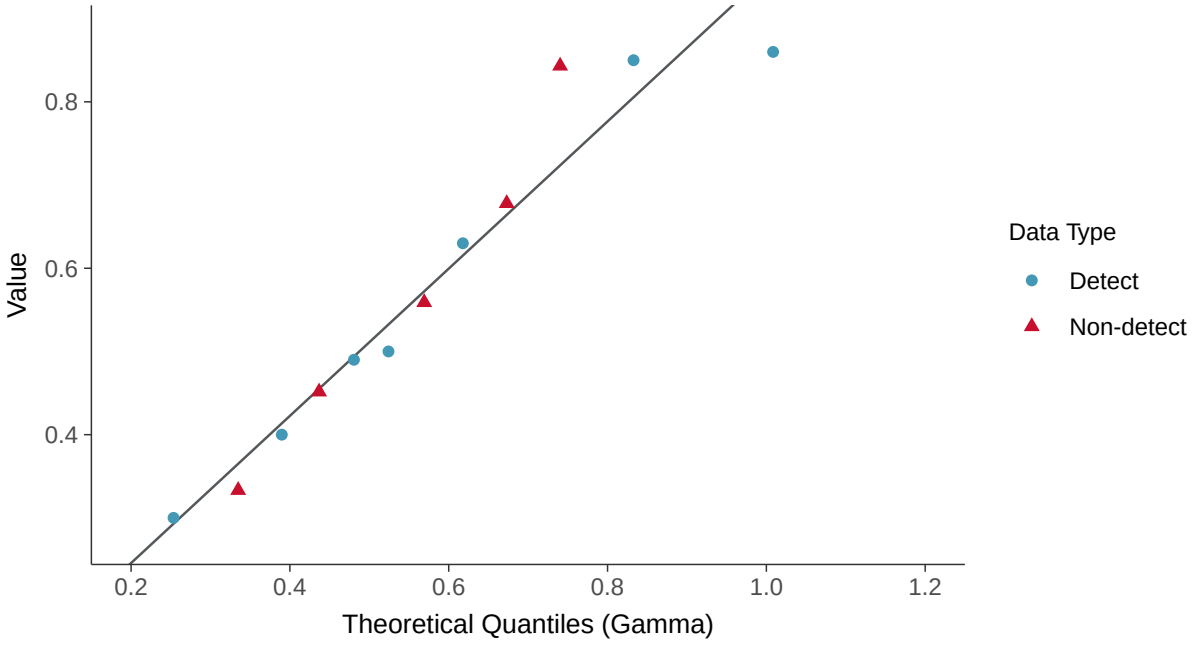
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-100D (mg/l)



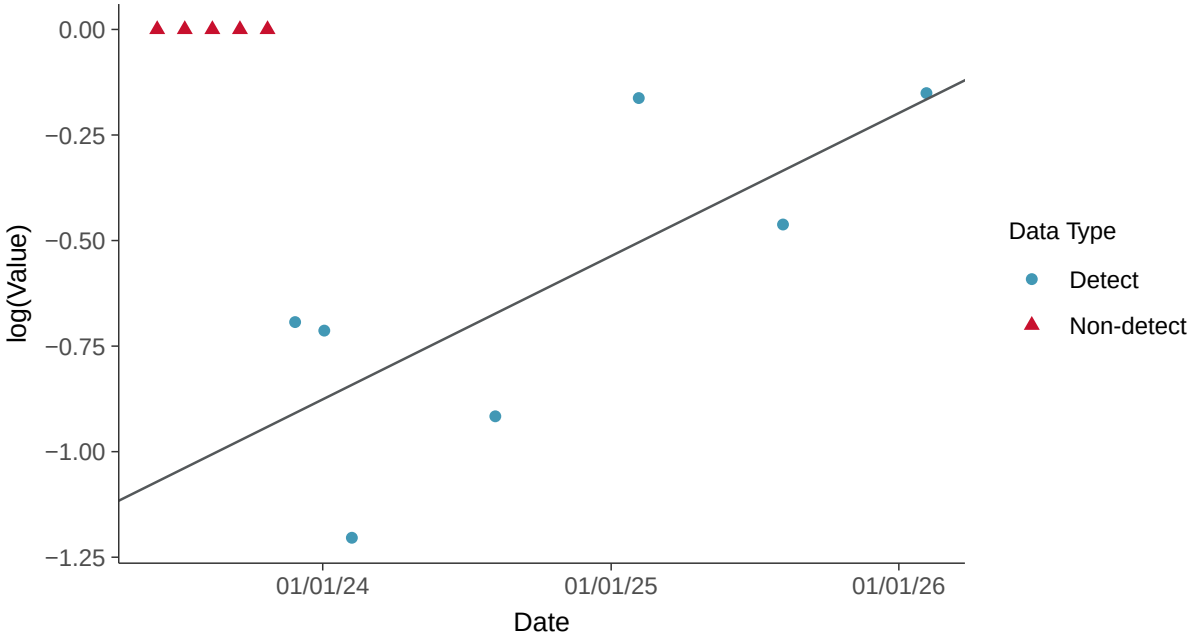
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride, MW-100D (mg/l)



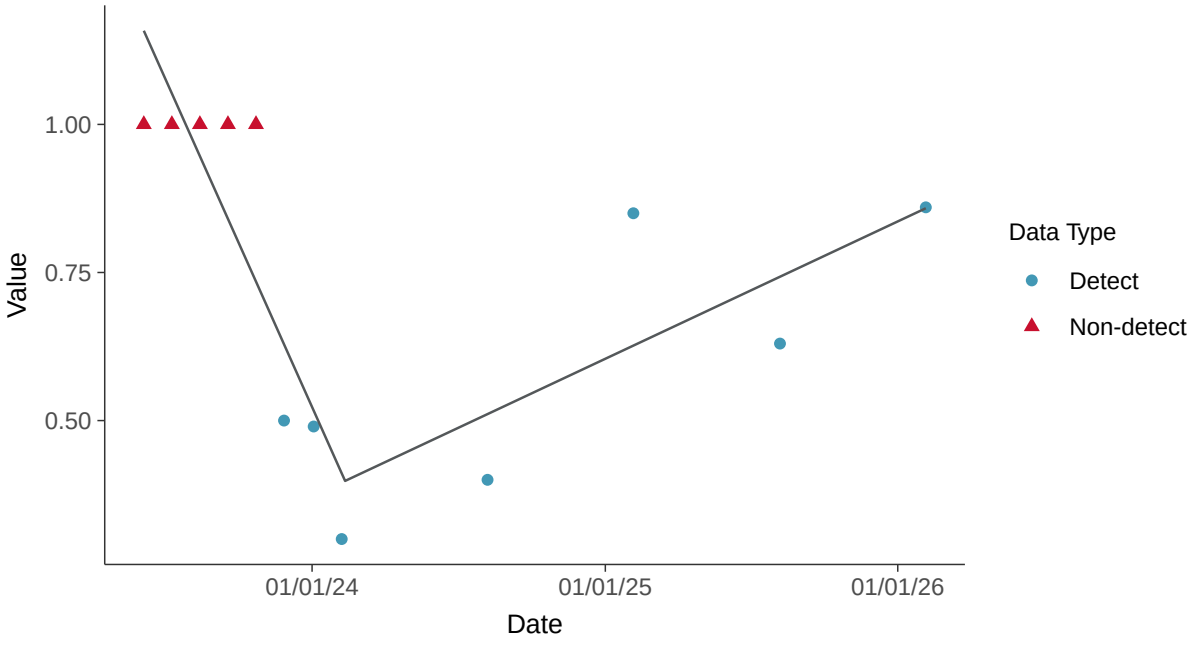
Trend Regression: Lognormal MLE

Fluoride, MW-100D (mg/l)



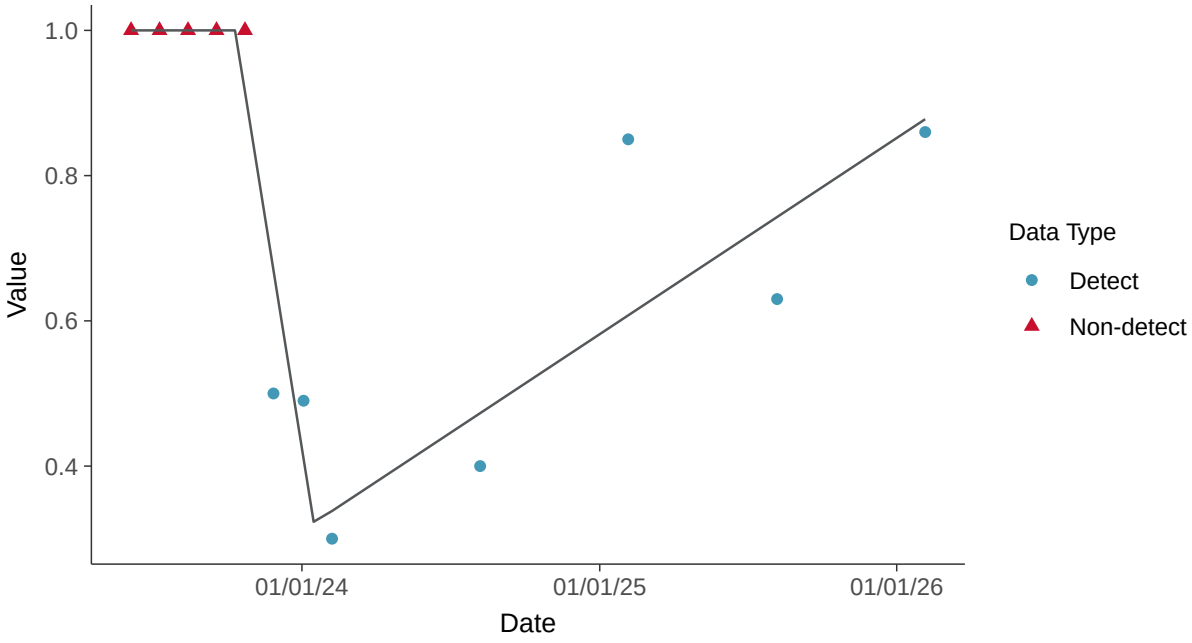
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-100D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Fluoride, MW-100D (mg/l)

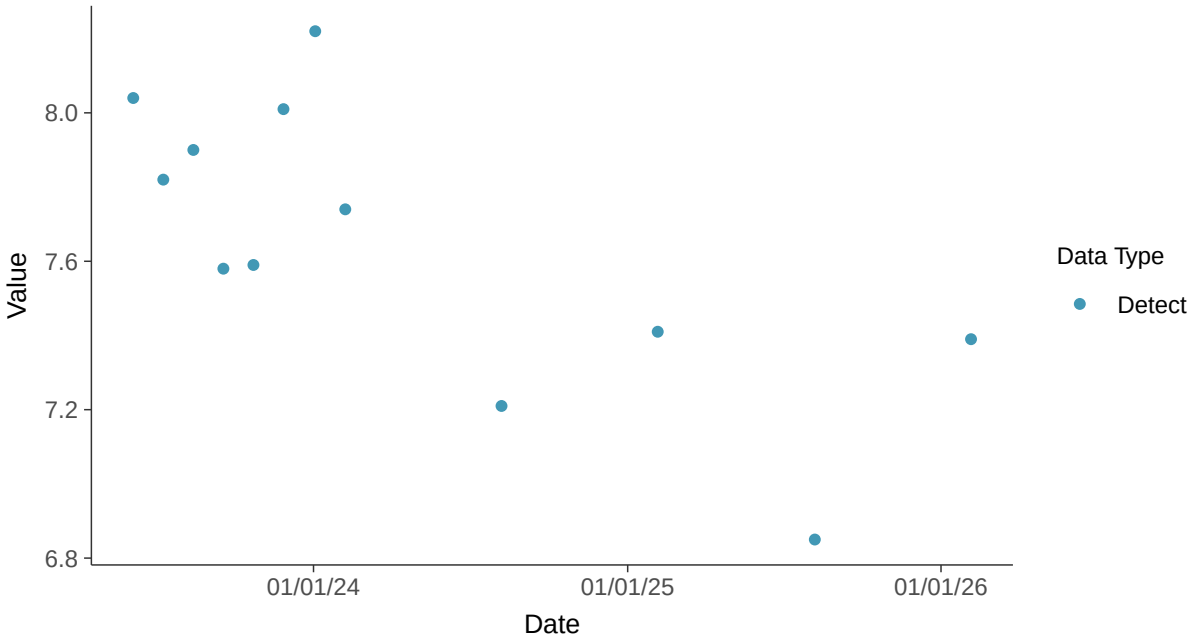


Appendix III: pH, Field, MW-100D

ID: 21_2_120

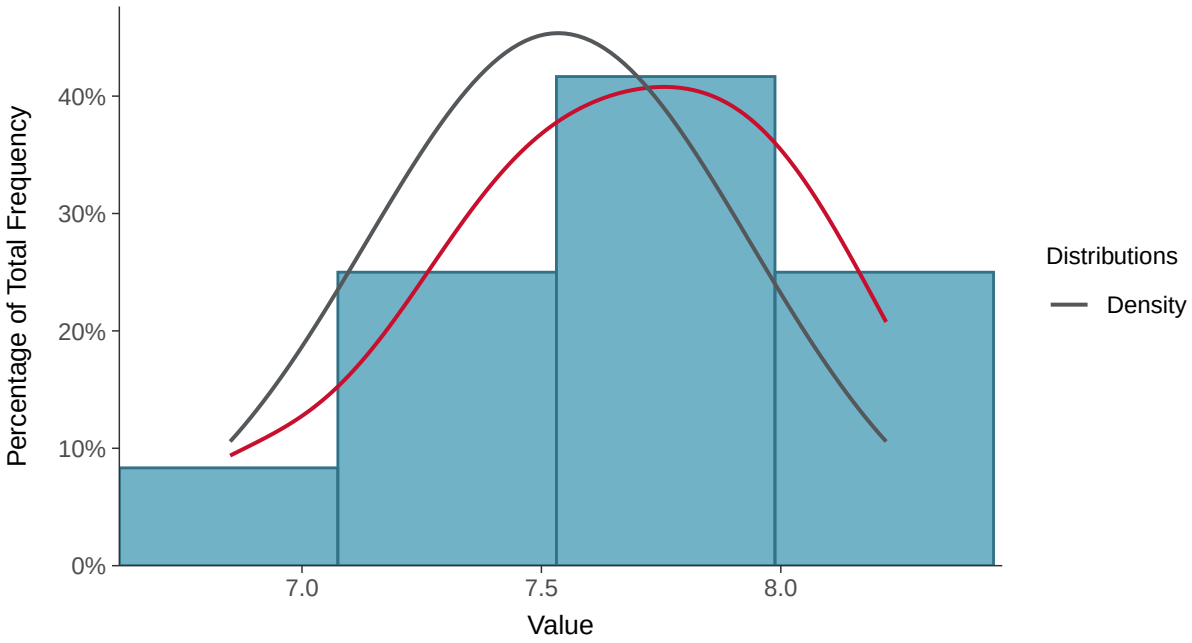
Scatter Plot

pH, Field, MW-100D (su)



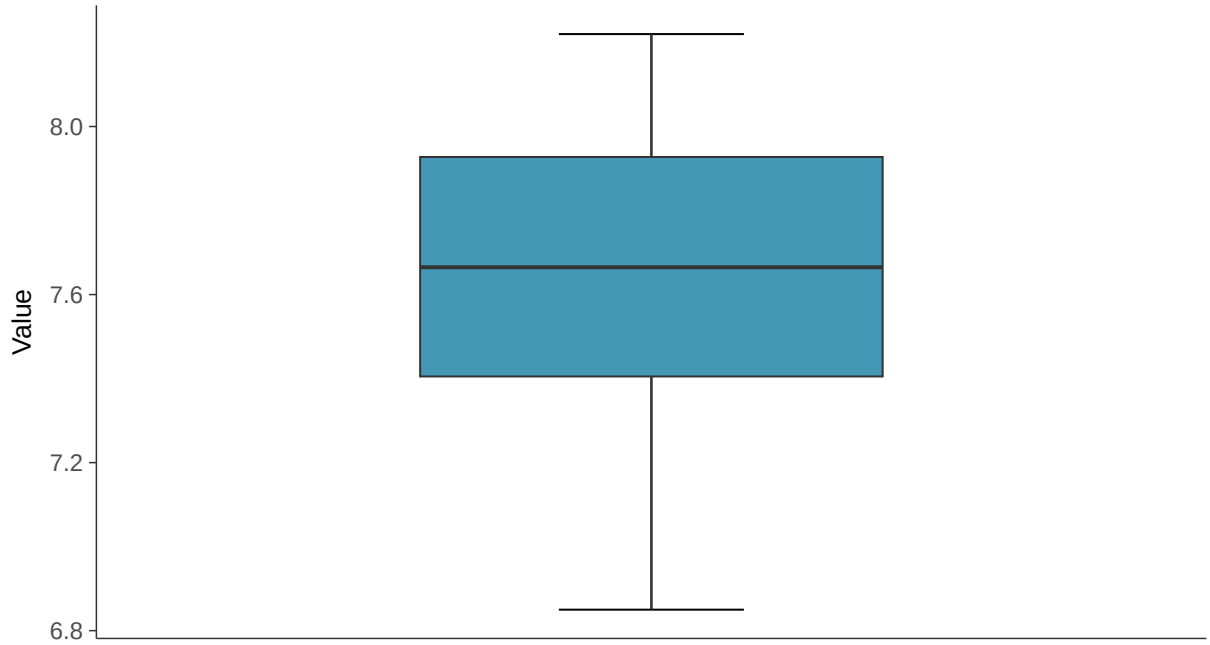
Histogram

pH, Field, MW-100D (su)



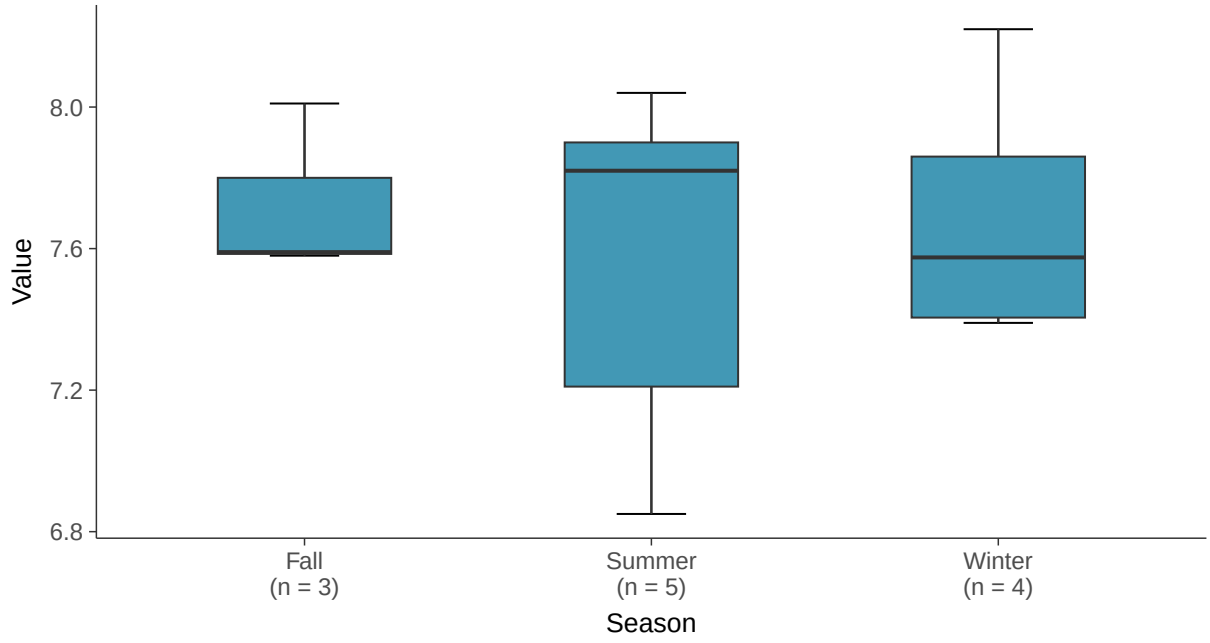
Boxplot

pH, Field, MW-100D (su)



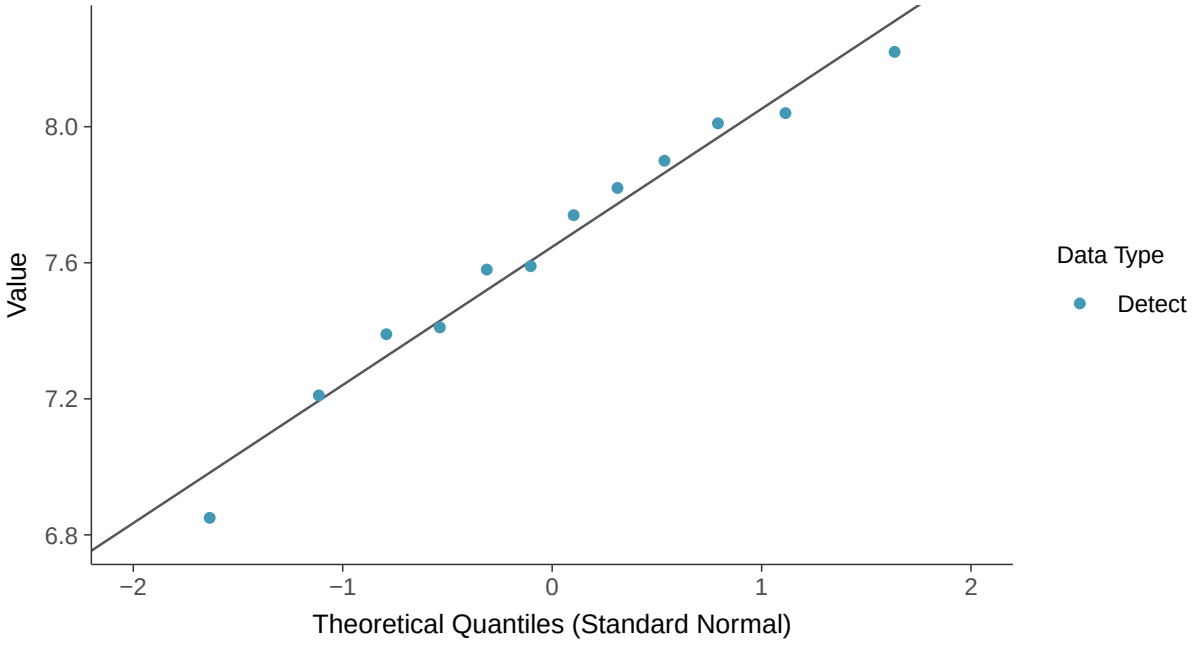
Boxplot by Season

pH, Field, MW-100D (su)



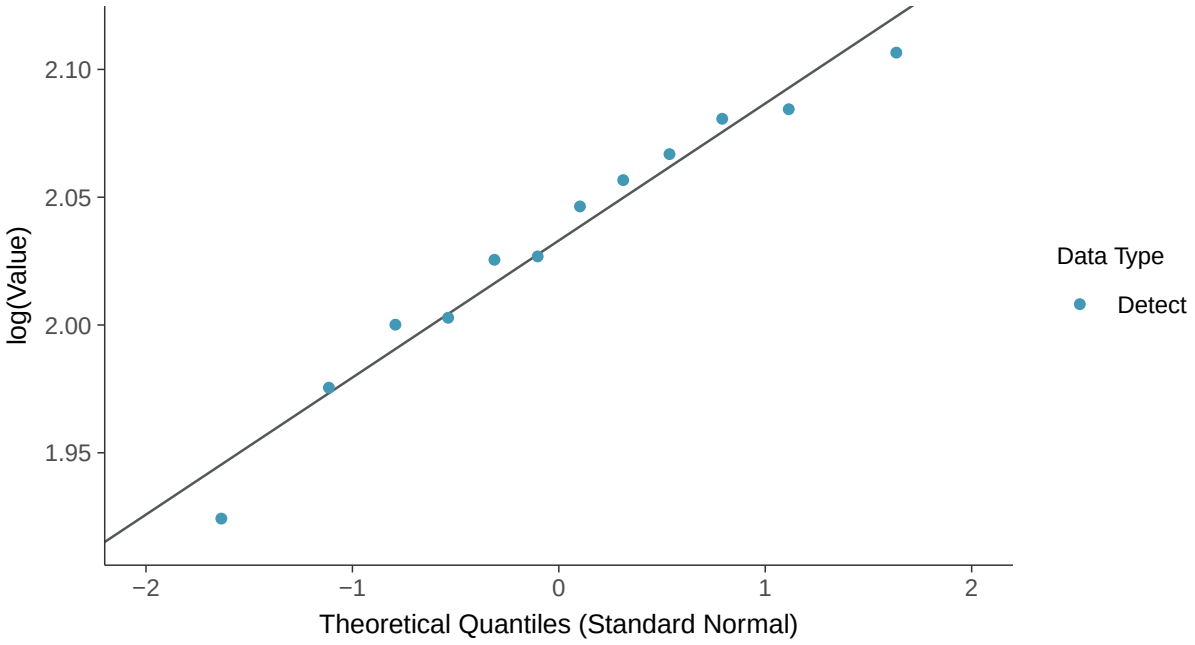
Normal Q-Q plot

pH, Field, MW-100D (su)



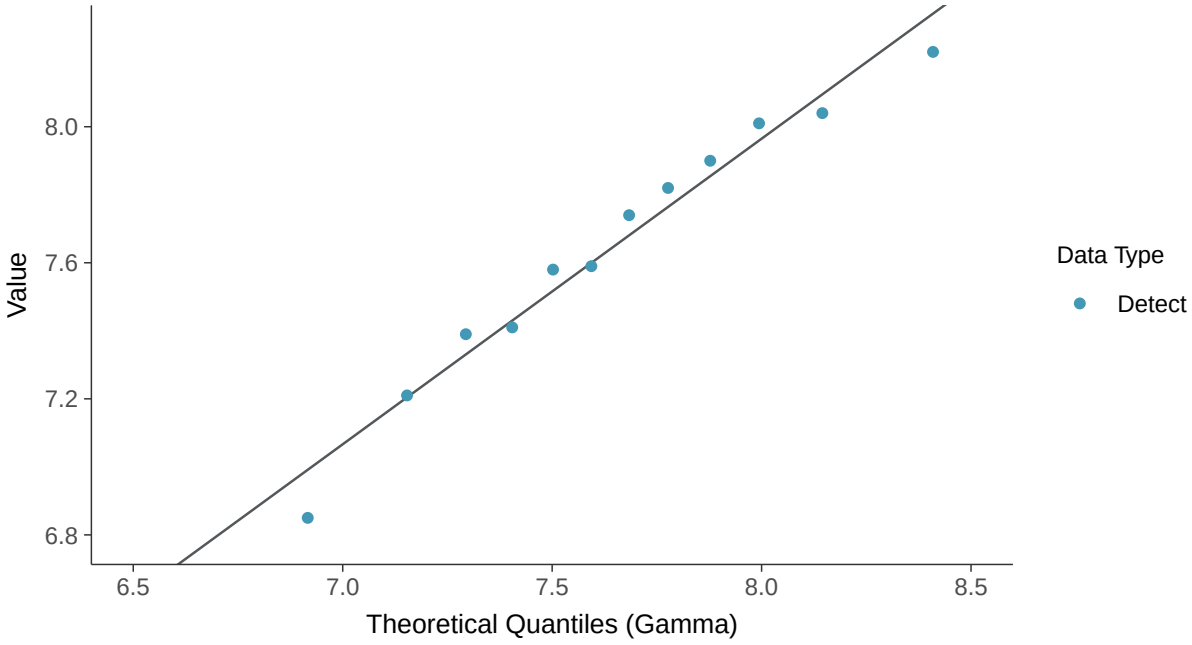
Lognormal Q-Q plot

pH, Field, MW-100D (su)



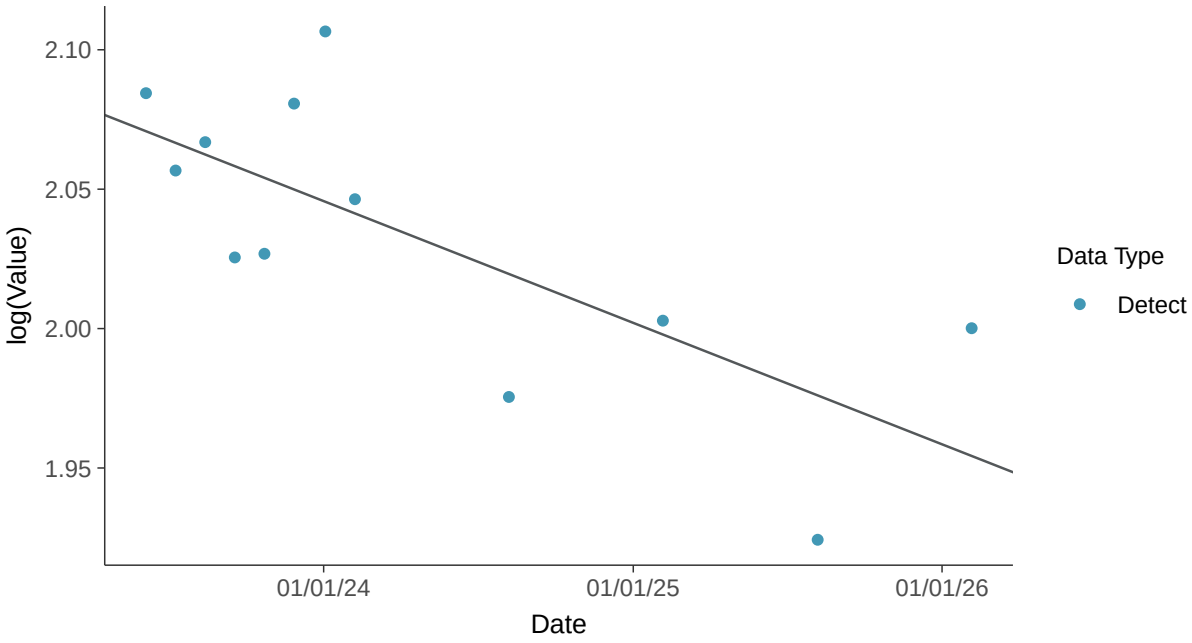
Gamma Q-Q plot

pH, Field, MW-100D (su)



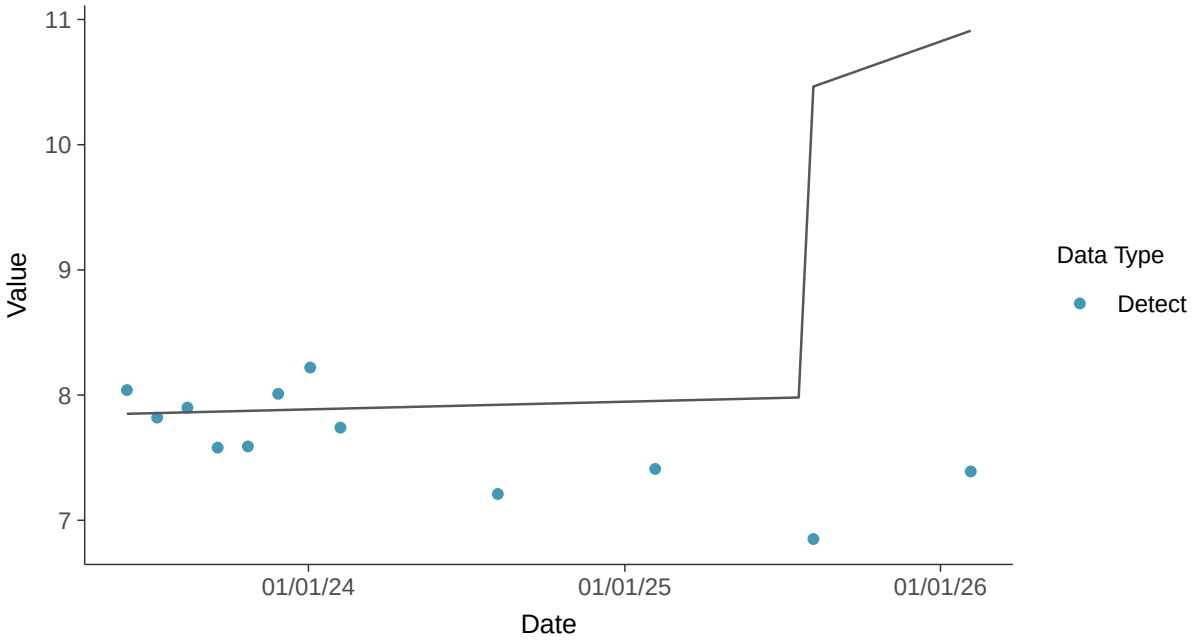
Trend Regression: Lognormal MLE

pH, Field, MW-100D (su)



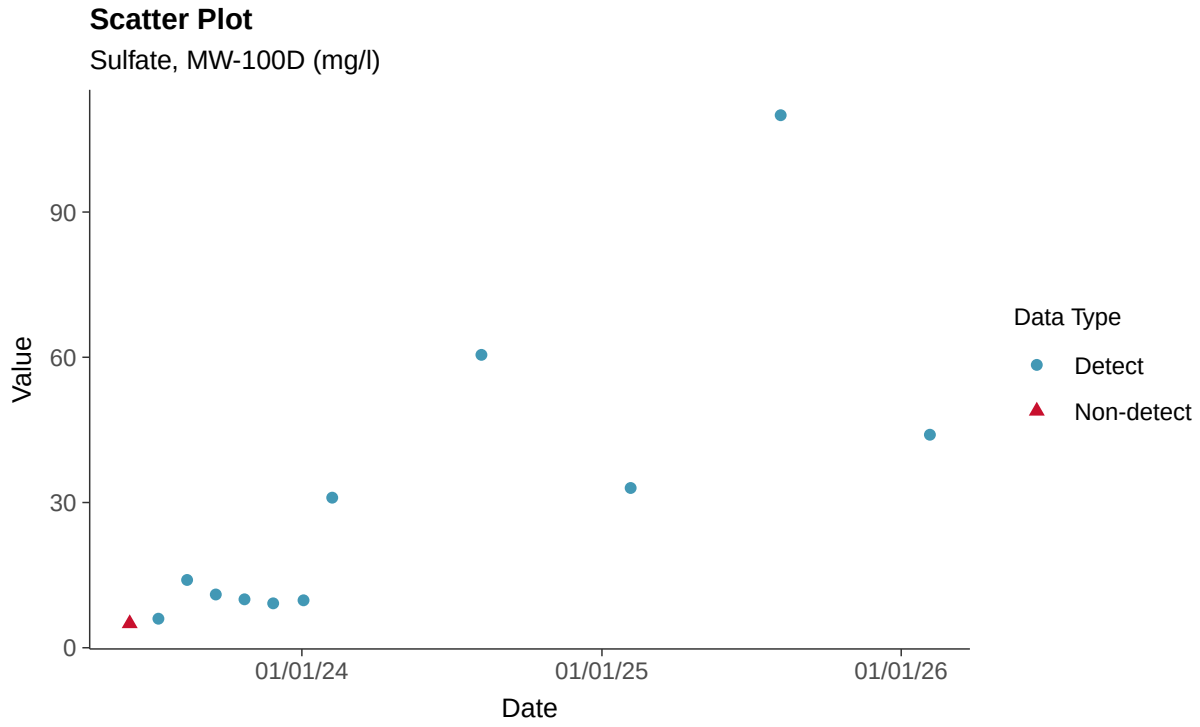
Trend Regression: Piecewise Linear-Linear-Linear

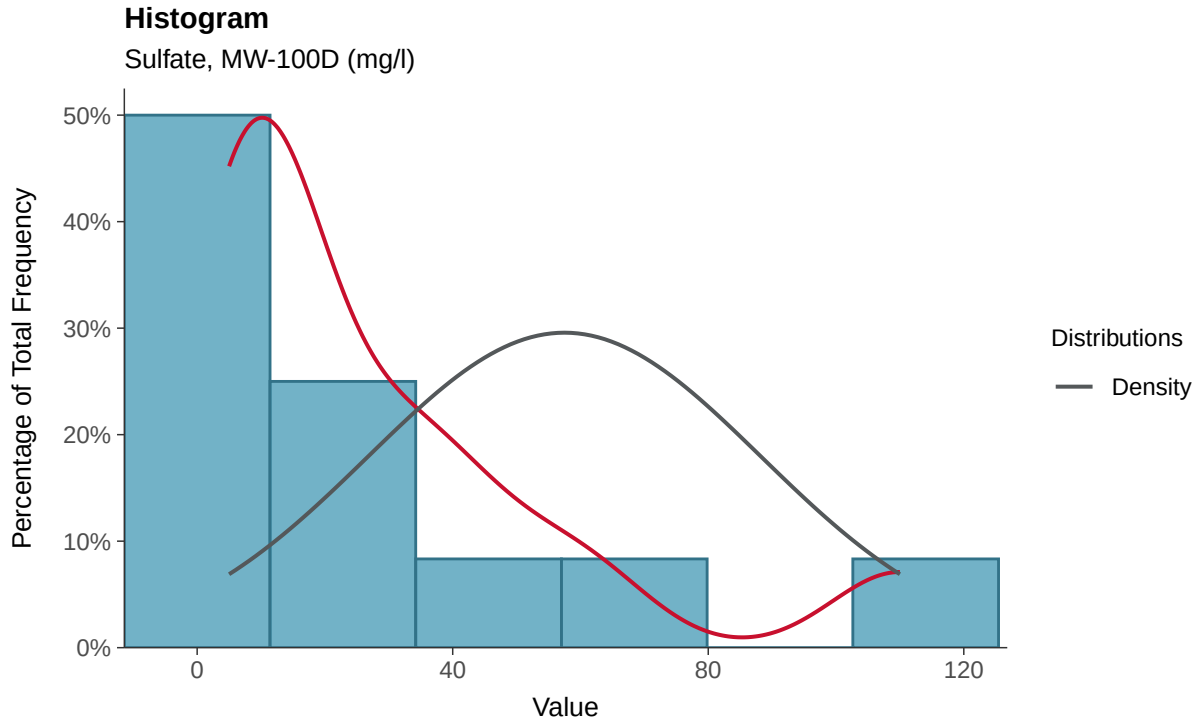
pH, Field, MW-100D (su)



Appendix III: Sulfate, MW-100D

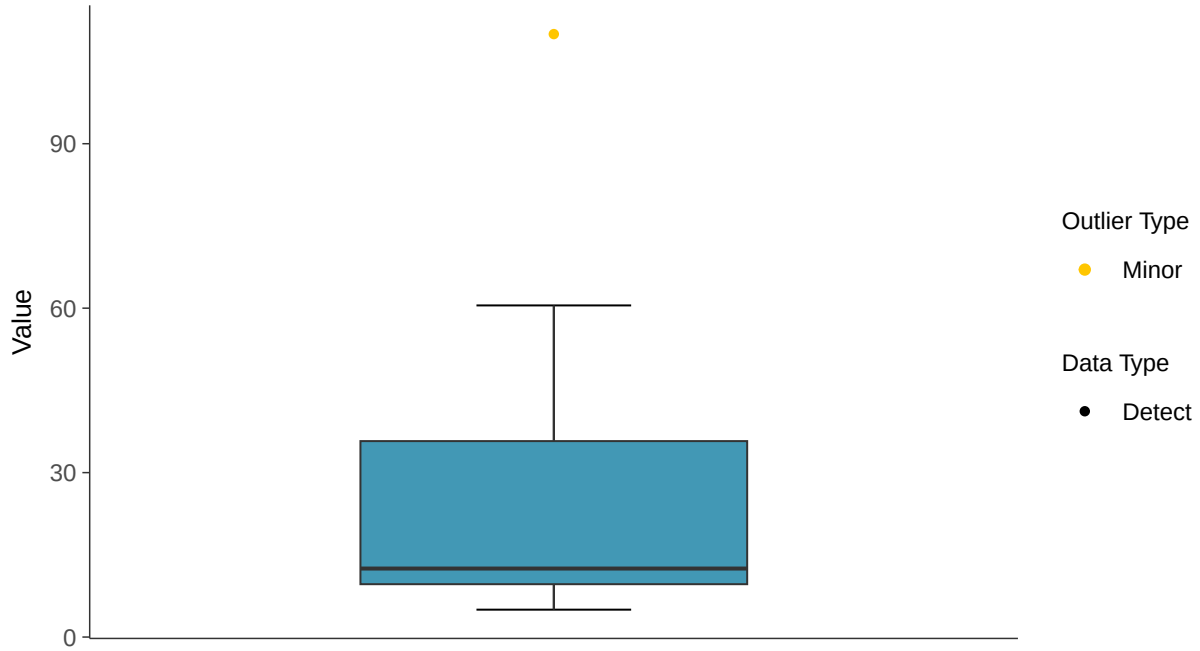
ID: 21_2_124





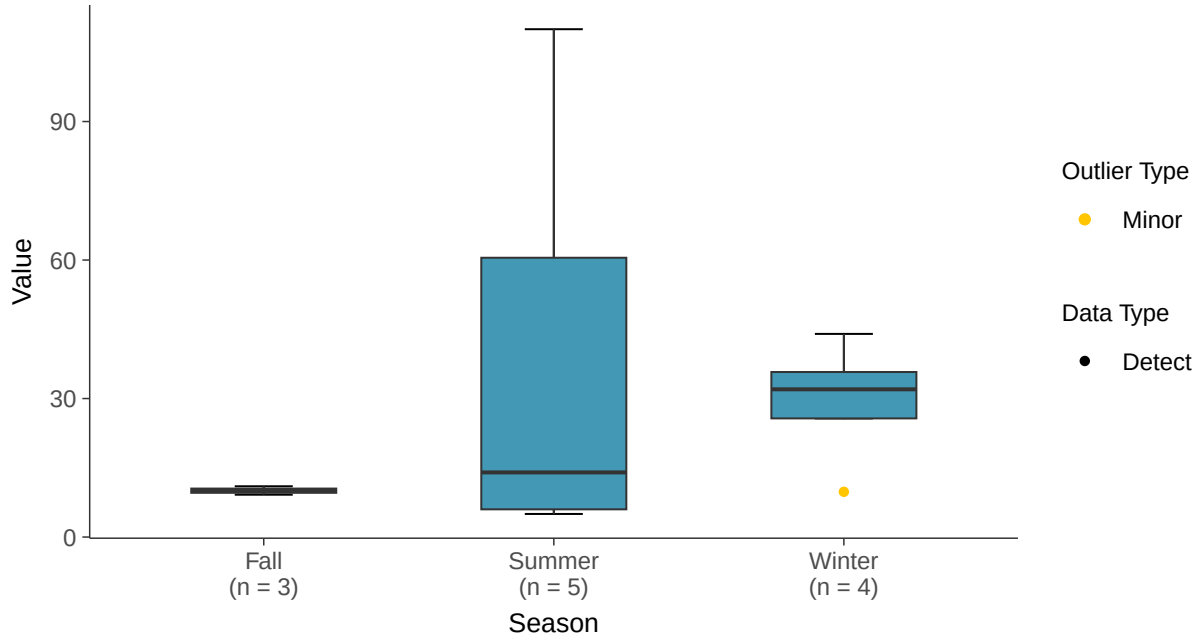
Boxplot

Sulfate, MW-100D (mg/l)



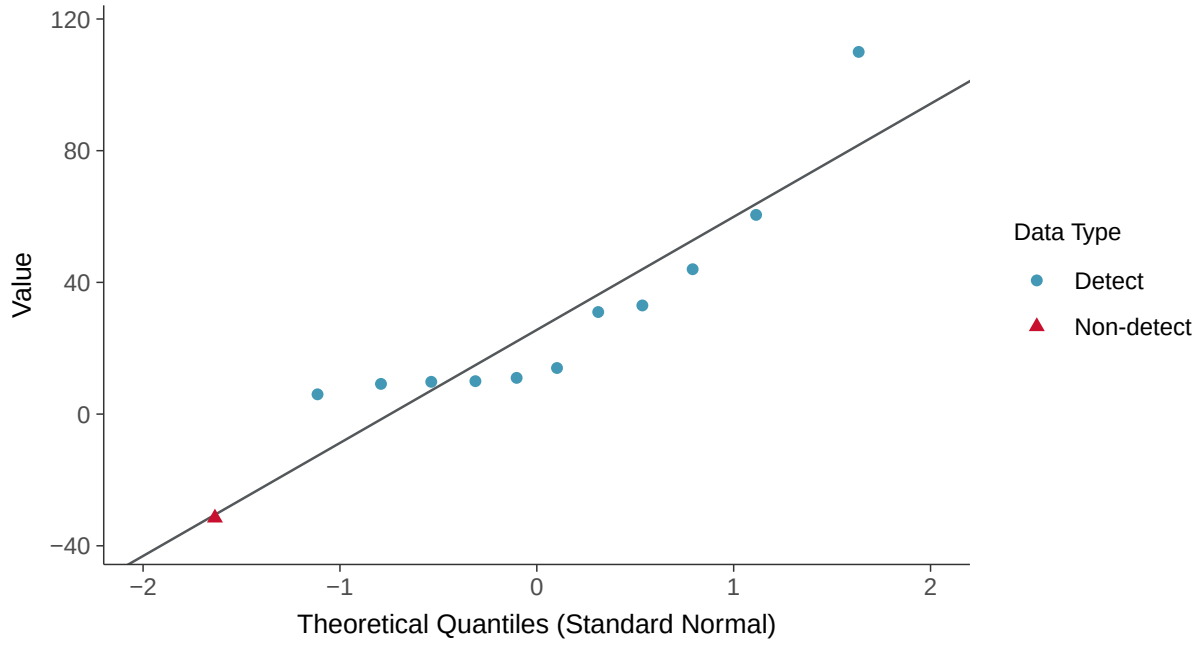
Boxplot by Season

Sulfate, MW-100D (mg/l)



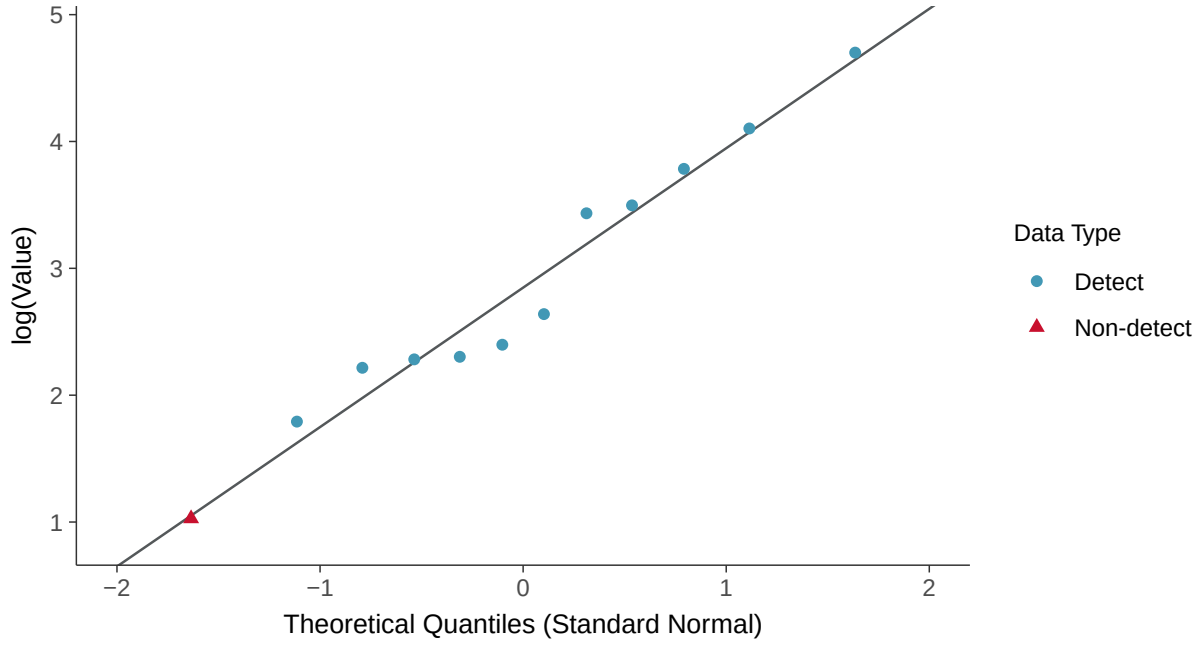
Normal Q-Q plot using ROS Imputed Estimates

Sulfate, MW-100D (mg/l)



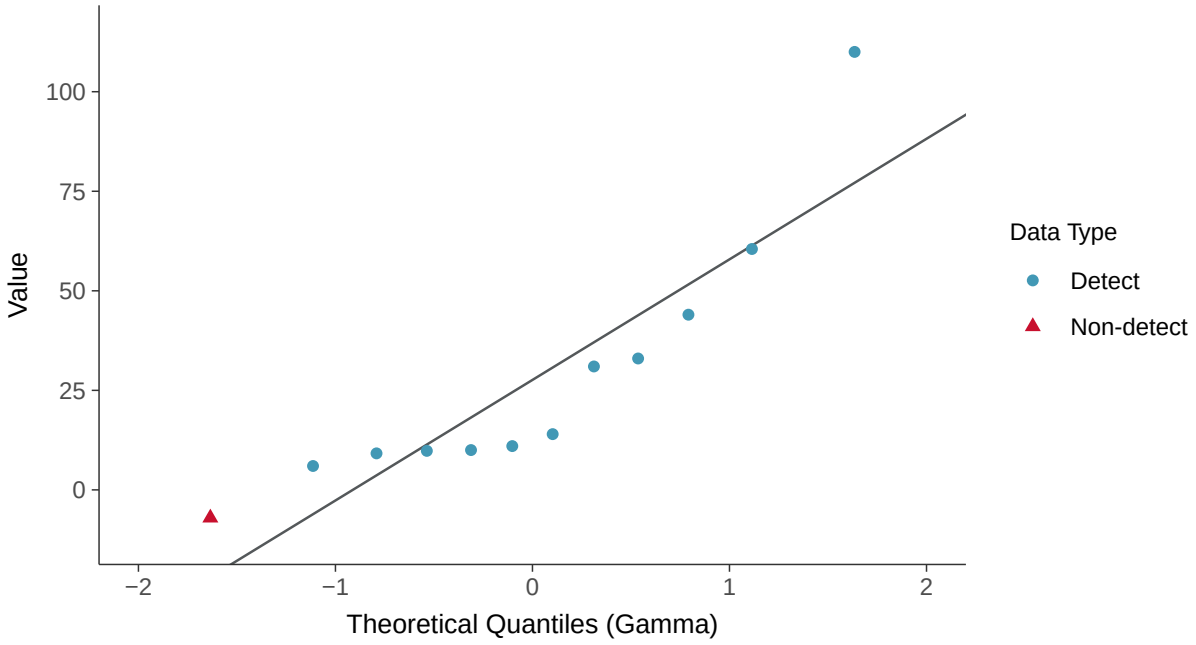
Lognormal Q-Q plot using ROS Imputed Estimates

Sulfate, MW-100D (mg/l)



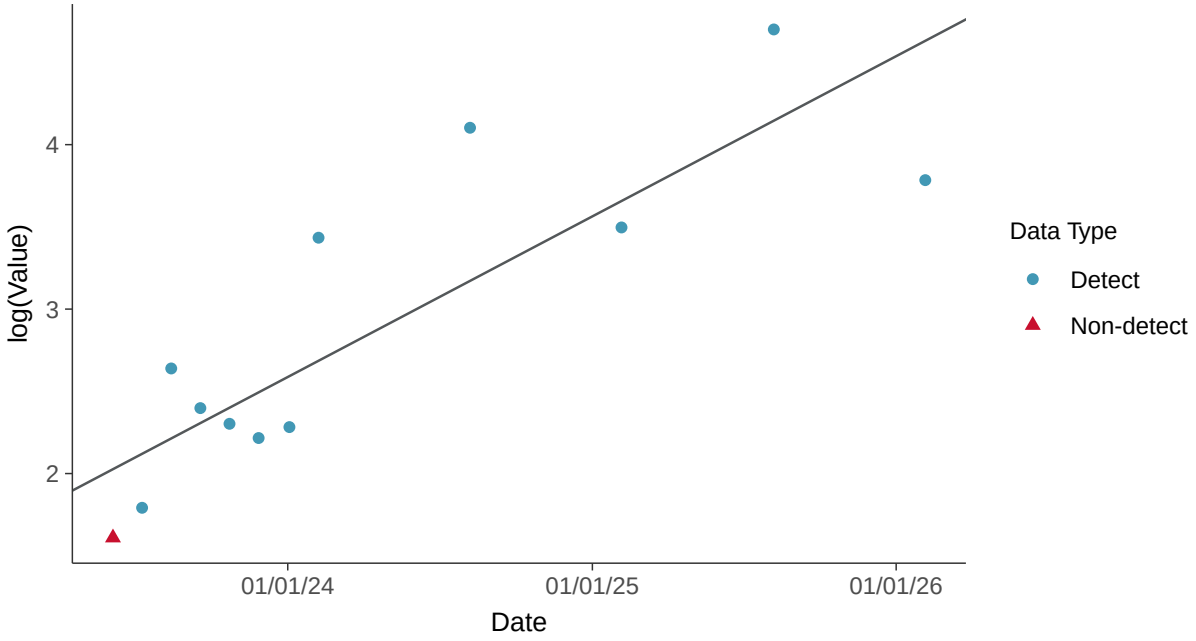
Gamma Q-Q plot using ROS Imputed Estimates

Sulfate, MW-100D (mg/l)



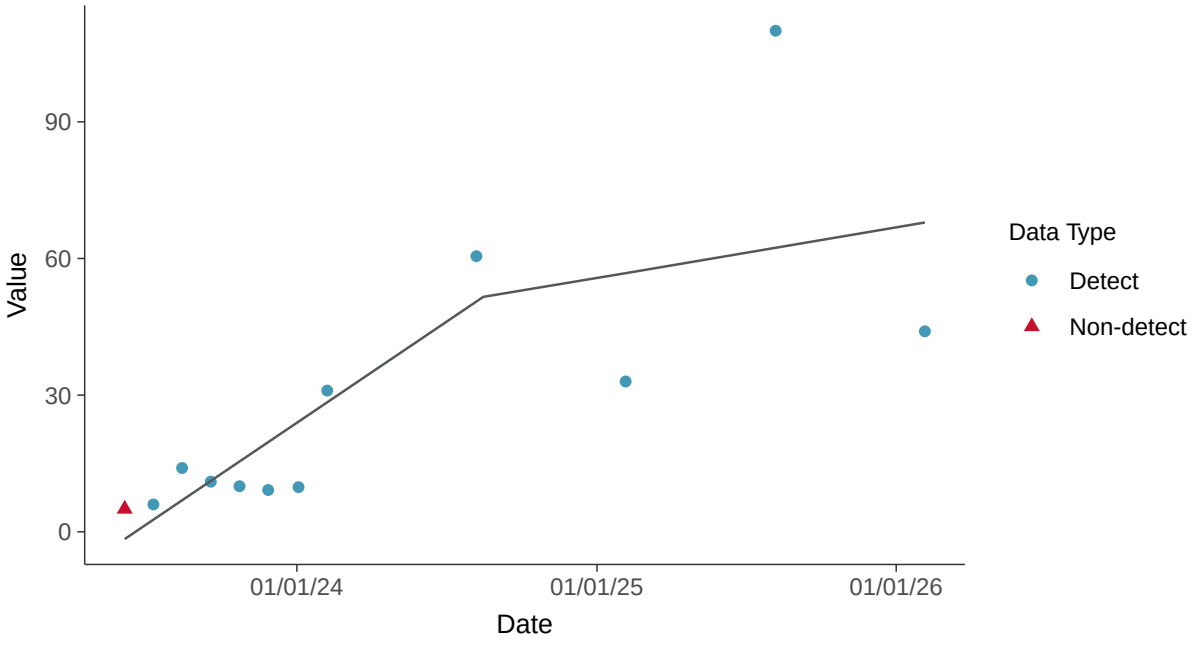
Trend Regression: Lognormal MLE

Sulfate, MW-100D (mg/l)



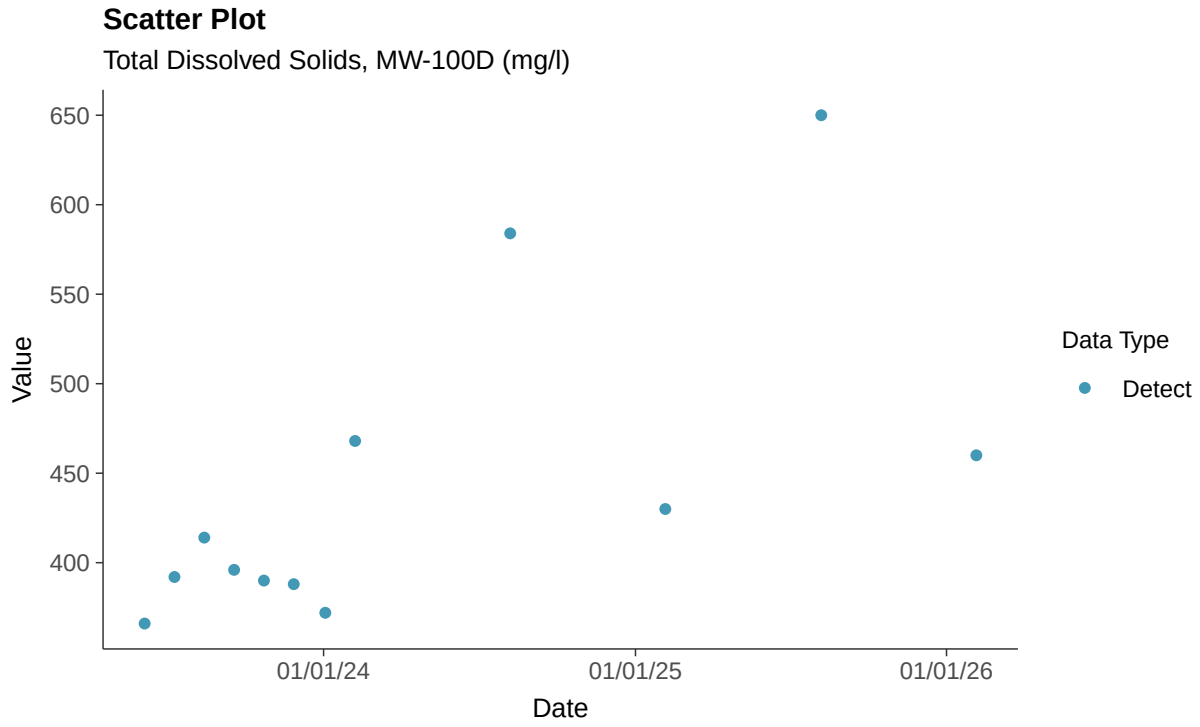
Trend Regression: Piecewise Linear-Linear

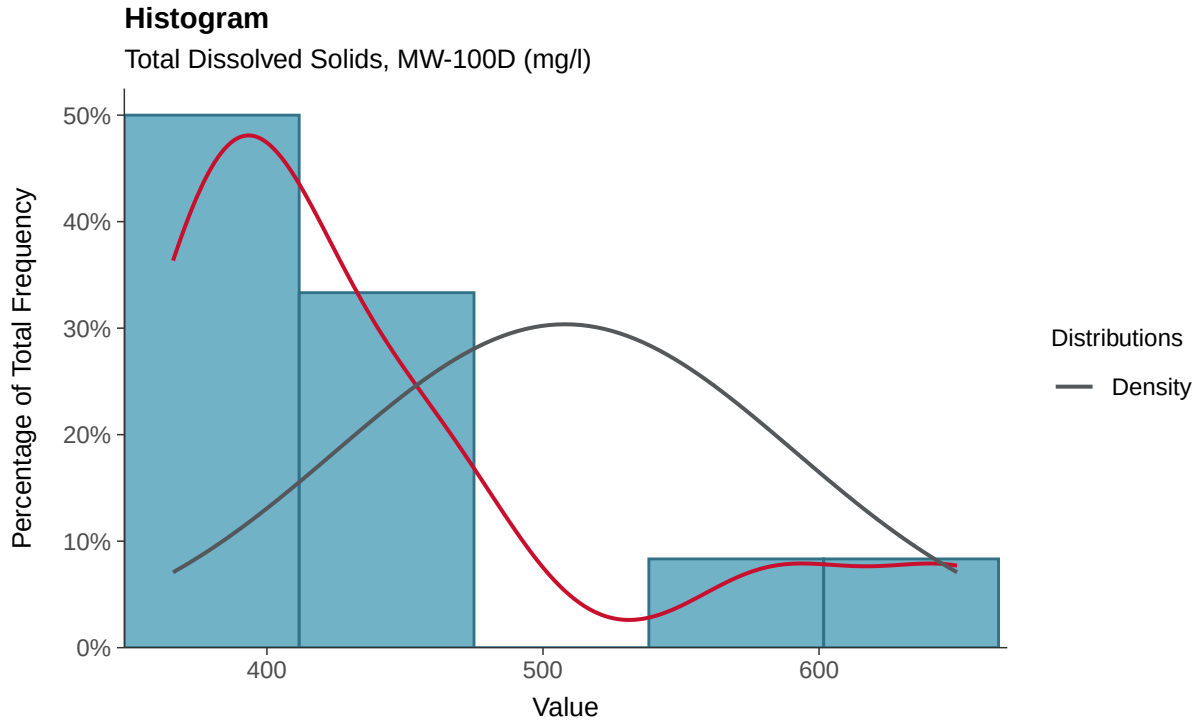
Sulfate, MW-100D (mg/l)



Appendix III: Total Dissolved Solids, MW-100D

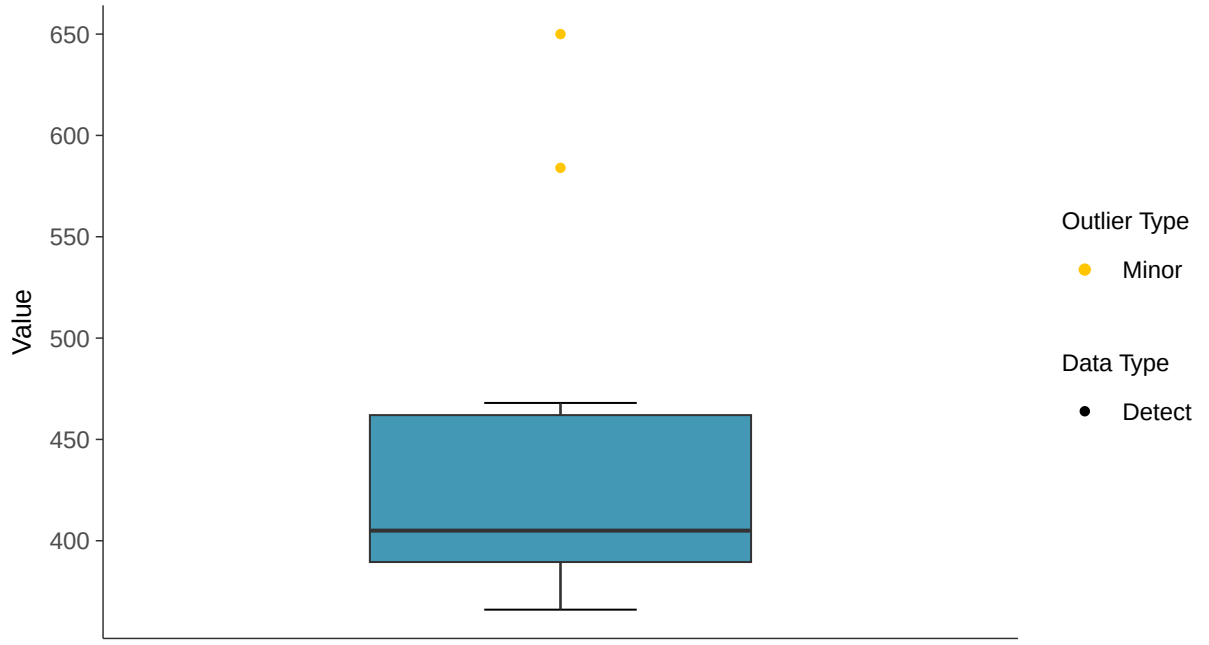
ID: 21_2_126





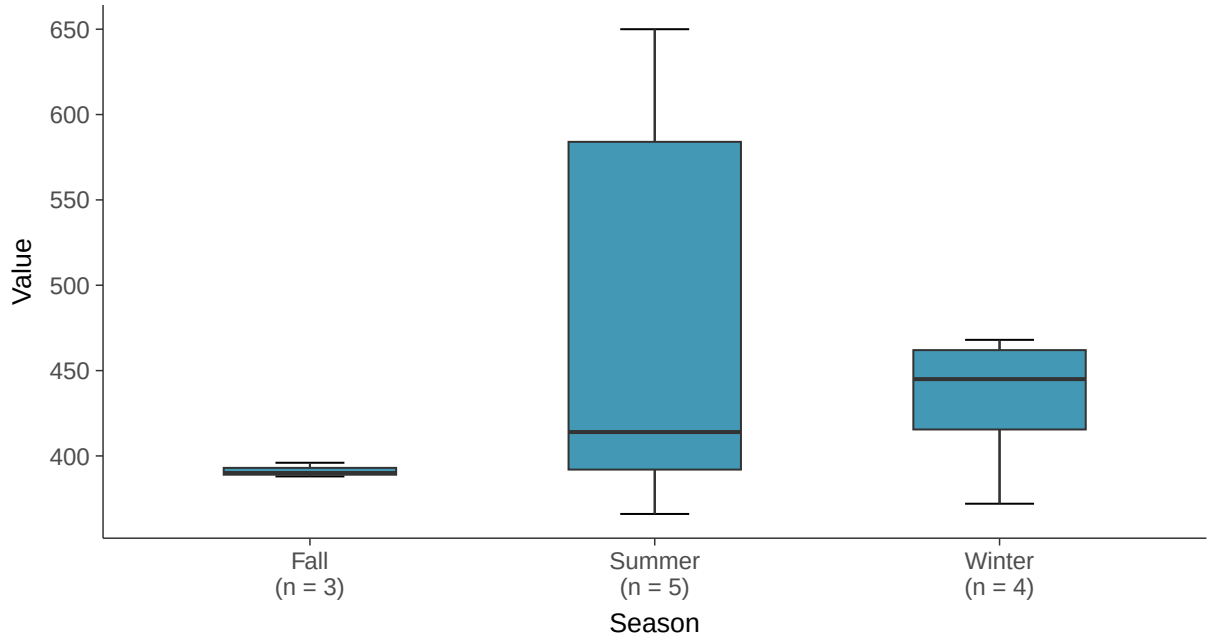
Boxplot

Total Dissolved Solids, MW-100D (mg/l)



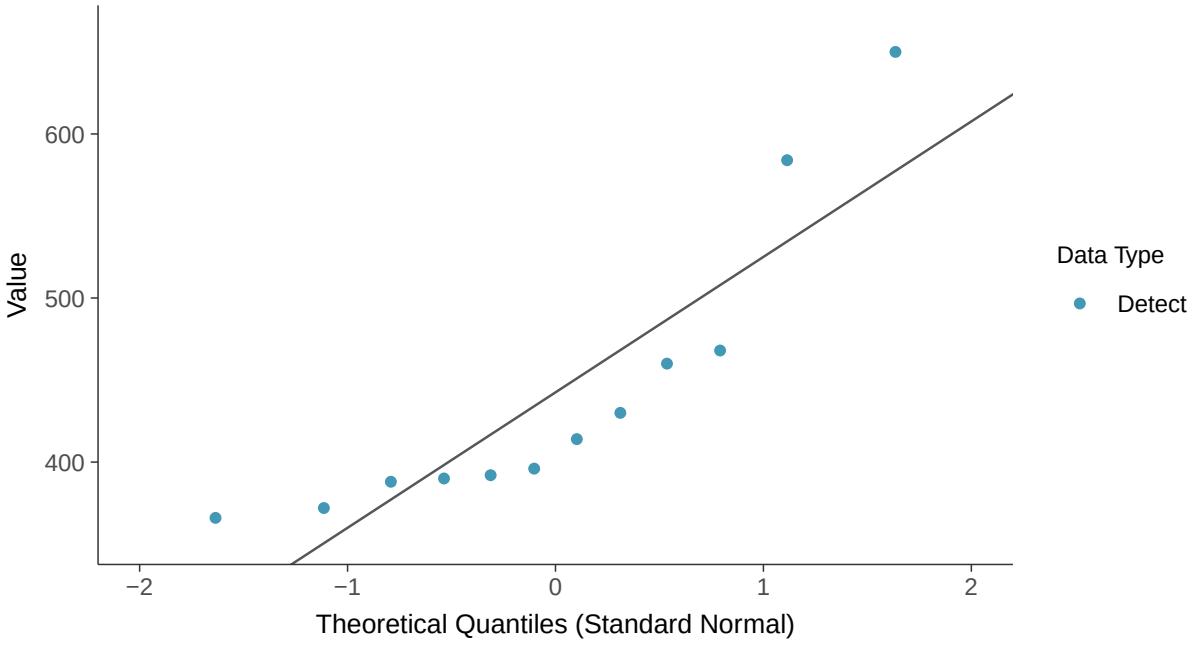
Boxplot by Season

Total Dissolved Solids, MW-100D (mg/l)



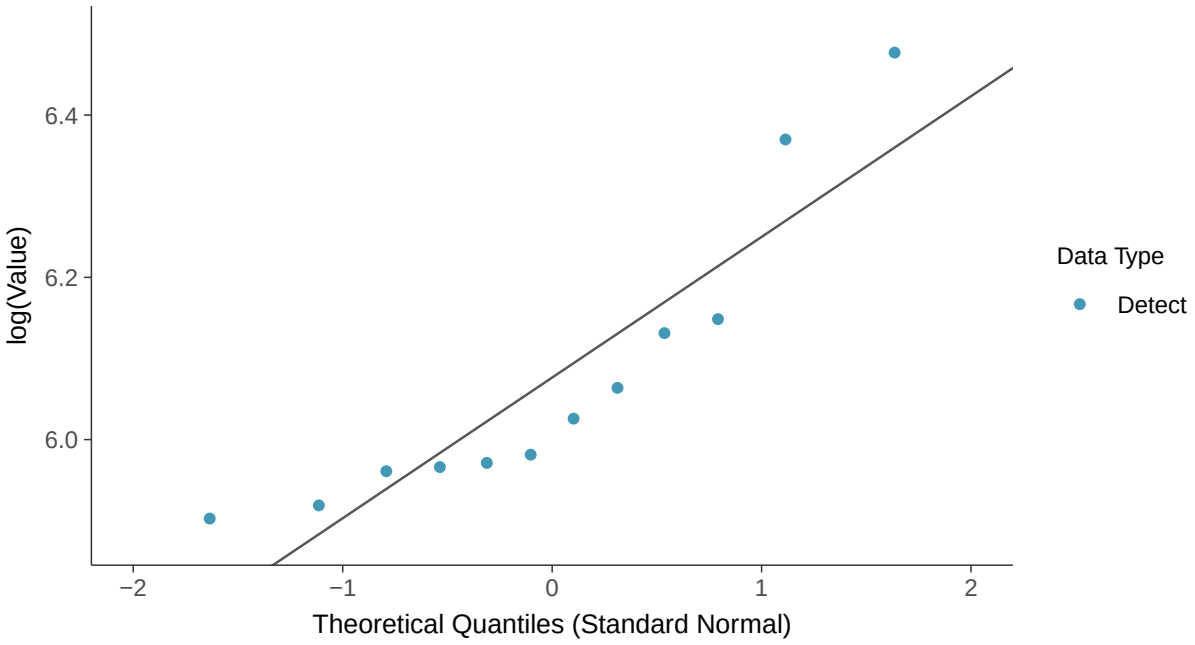
Normal Q-Q plot

Total Dissolved Solids, MW-100D (mg/l)



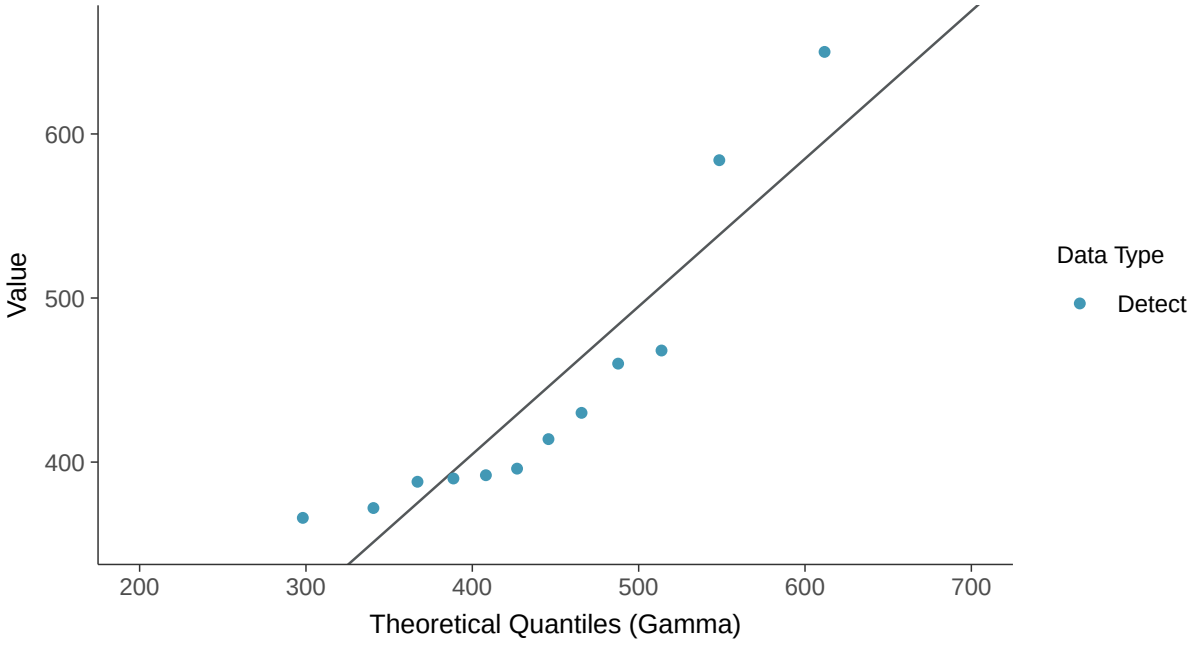
Lognormal Q-Q plot

Total Dissolved Solids, MW-100D (mg/l)



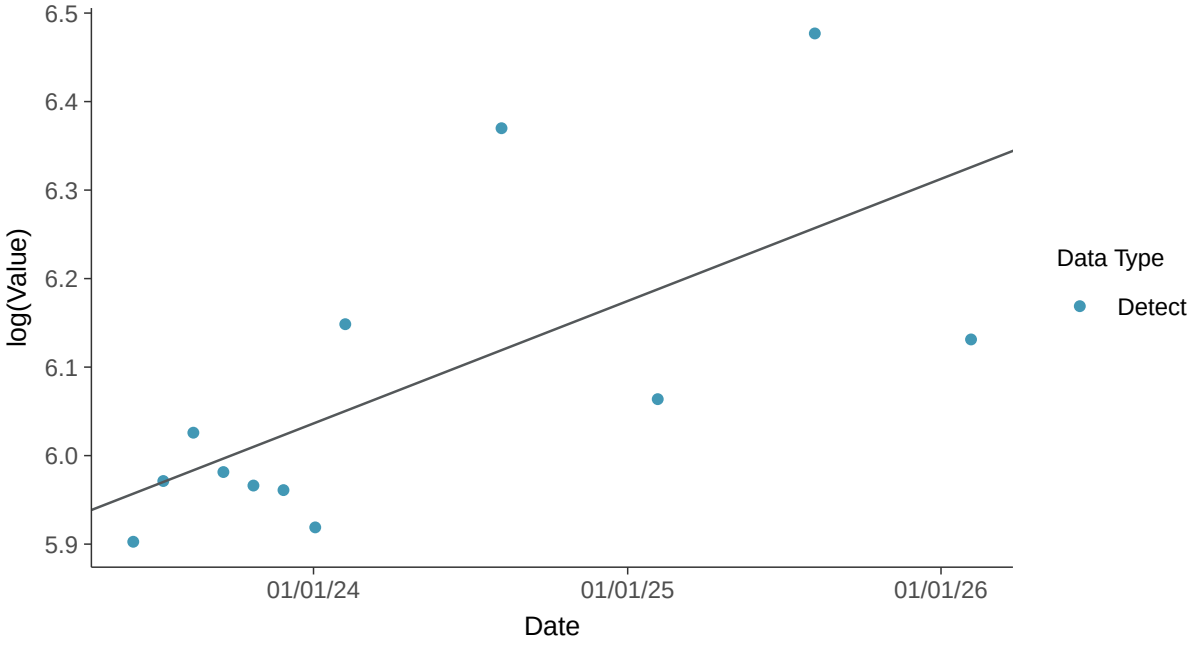
Gamma Q-Q plot

Total Dissolved Solids, MW-100D (mg/l)



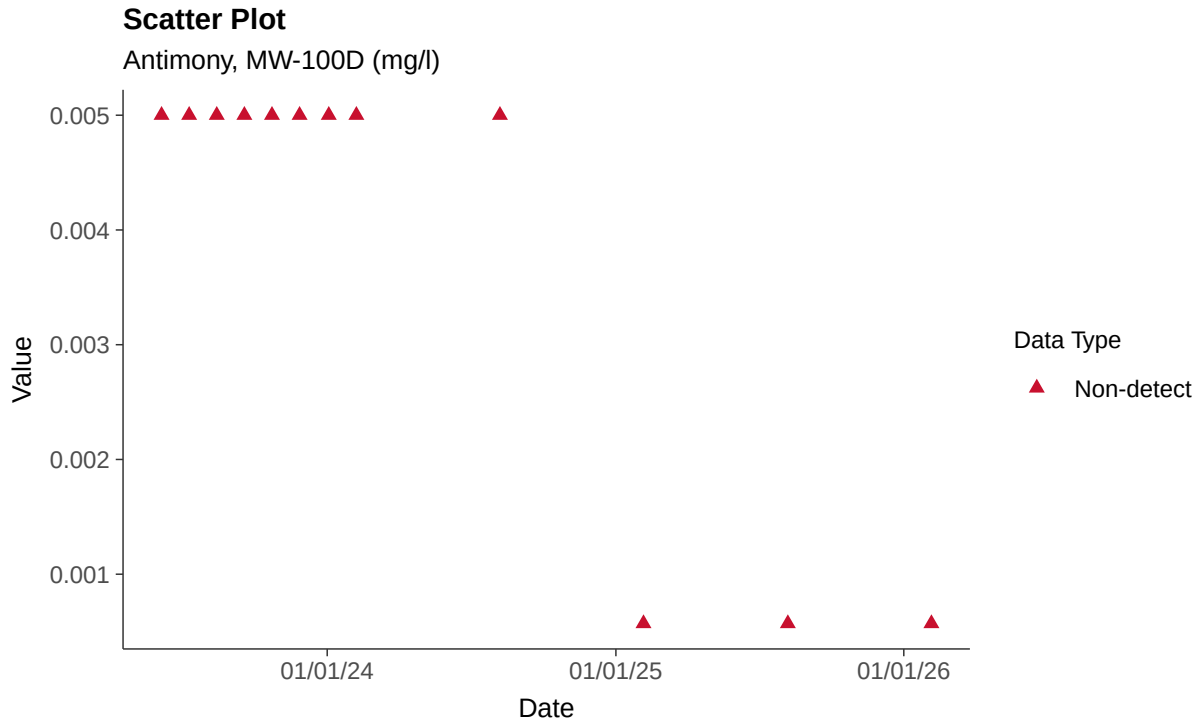
Trend Regression: Lognormal MLE

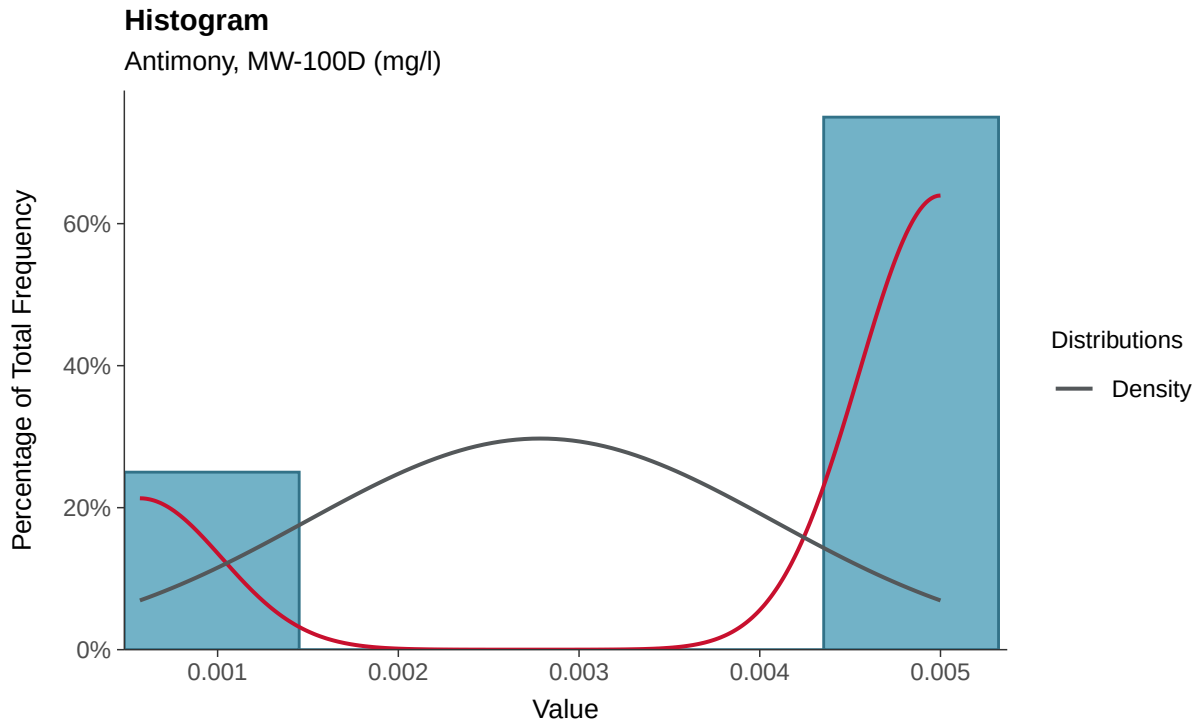
Total Dissolved Solids, MW-100D (mg/l)



Appendix IV: Antimony, MW-100D

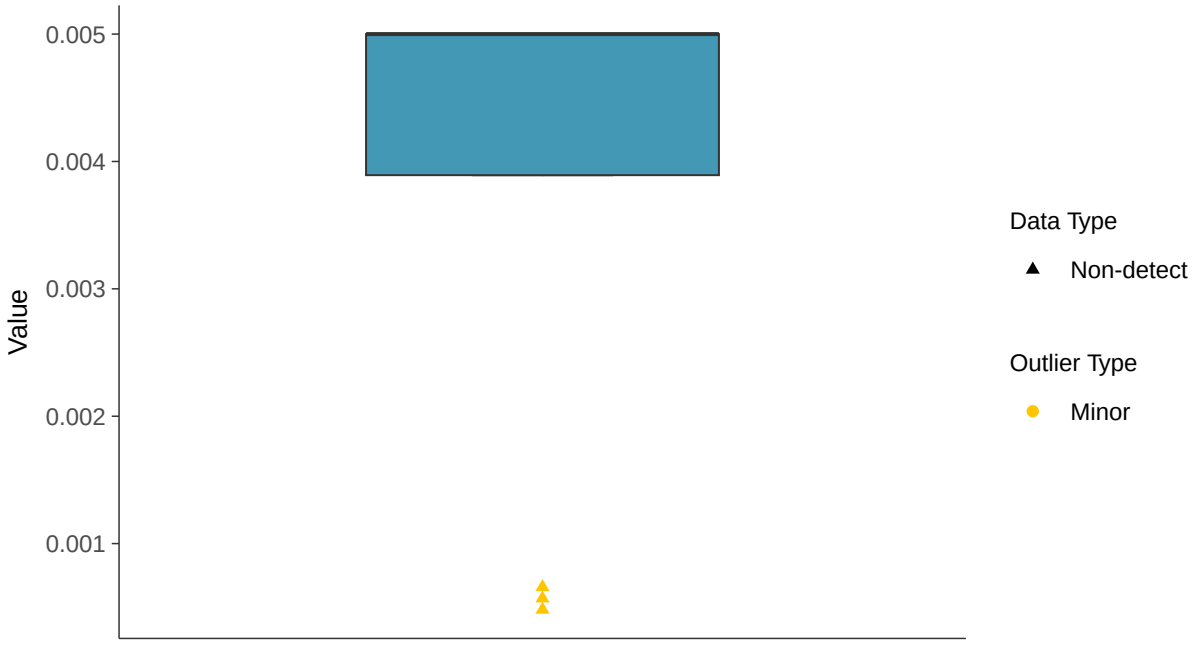
ID: 21_3_101





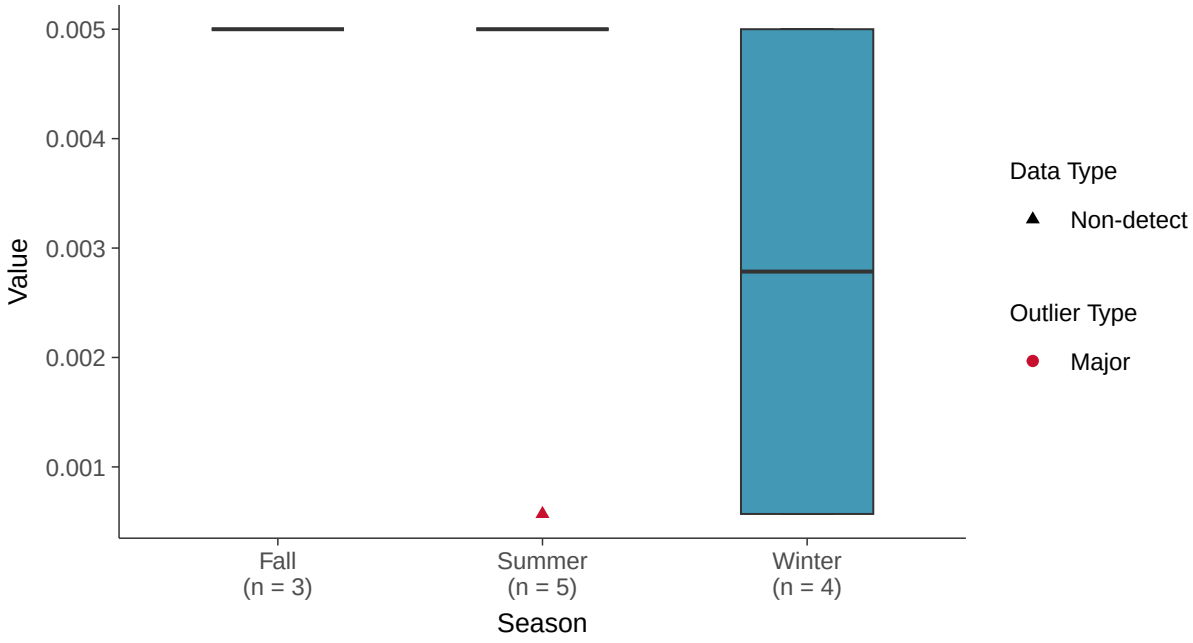
Boxplot

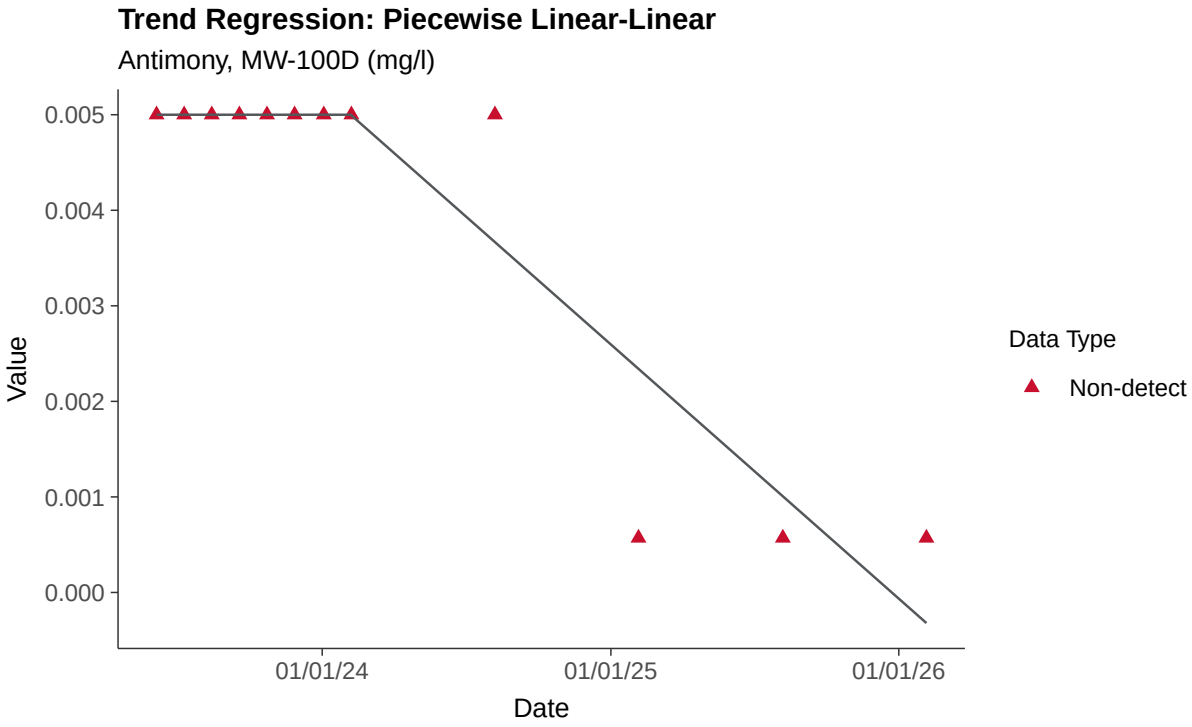
Antimony, MW-100D (mg/l)



Boxplot by Season

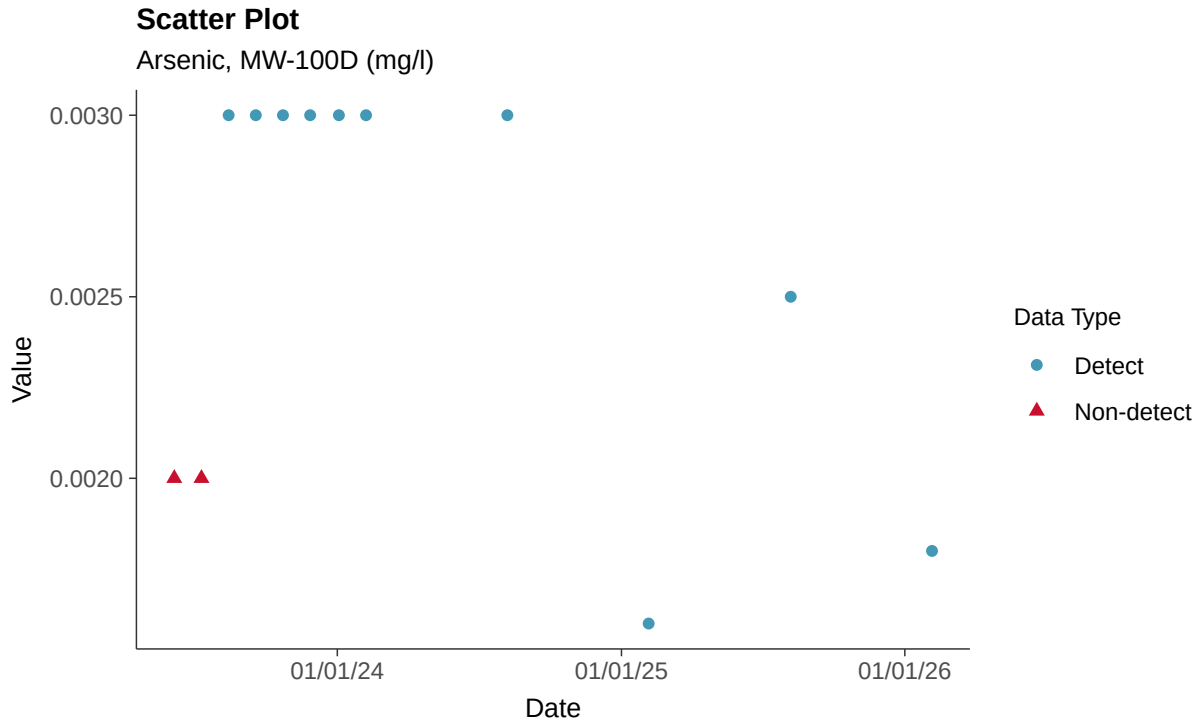
Antimony, MW-100D (mg/l)

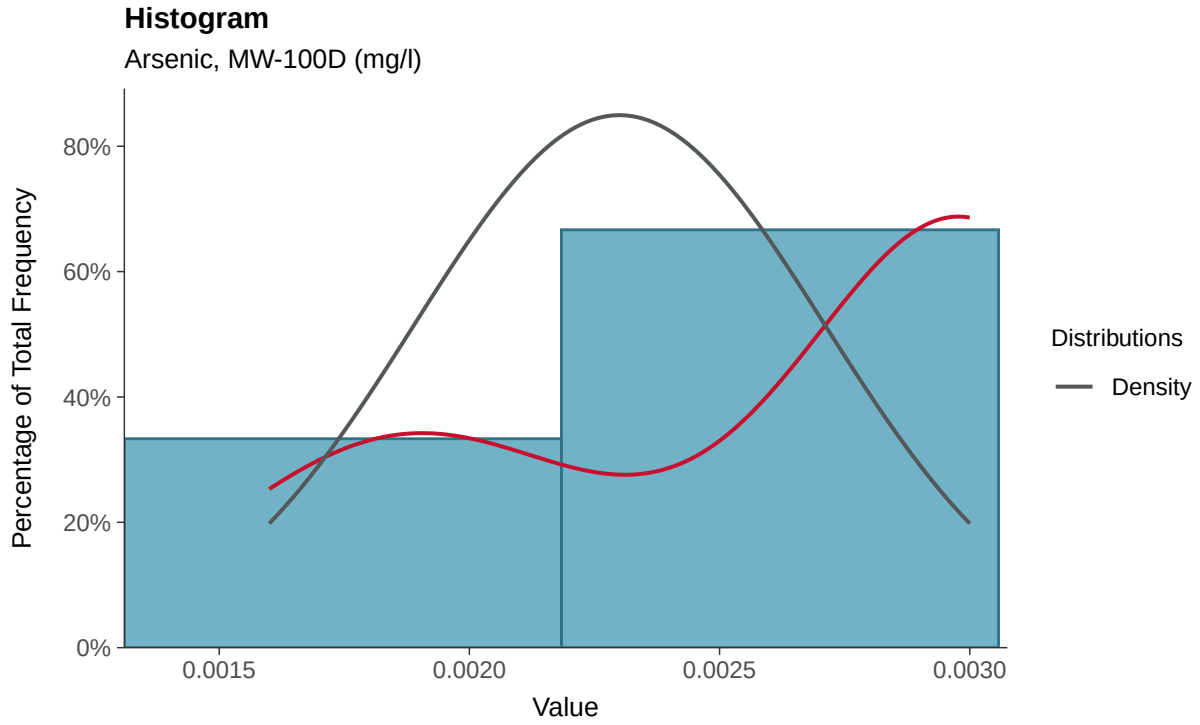



Trend Regression: Piecewise Linear-Linear
Antimony, MW-100D (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Arsenic, MW-100D

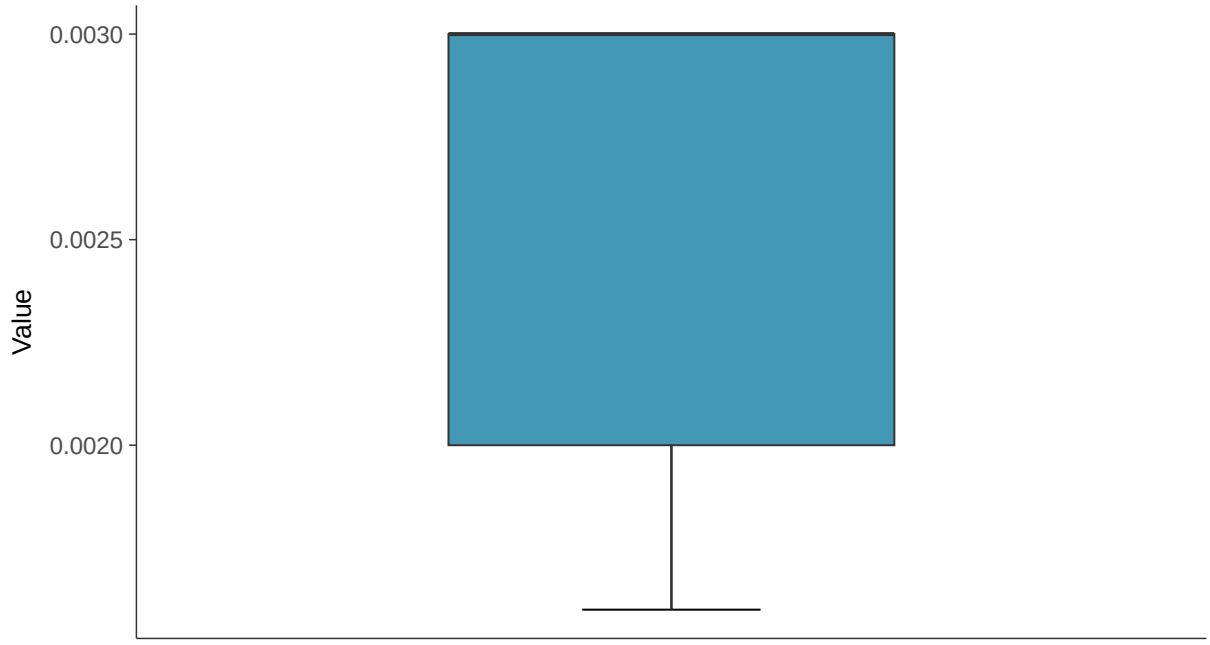
ID: 21_3_102





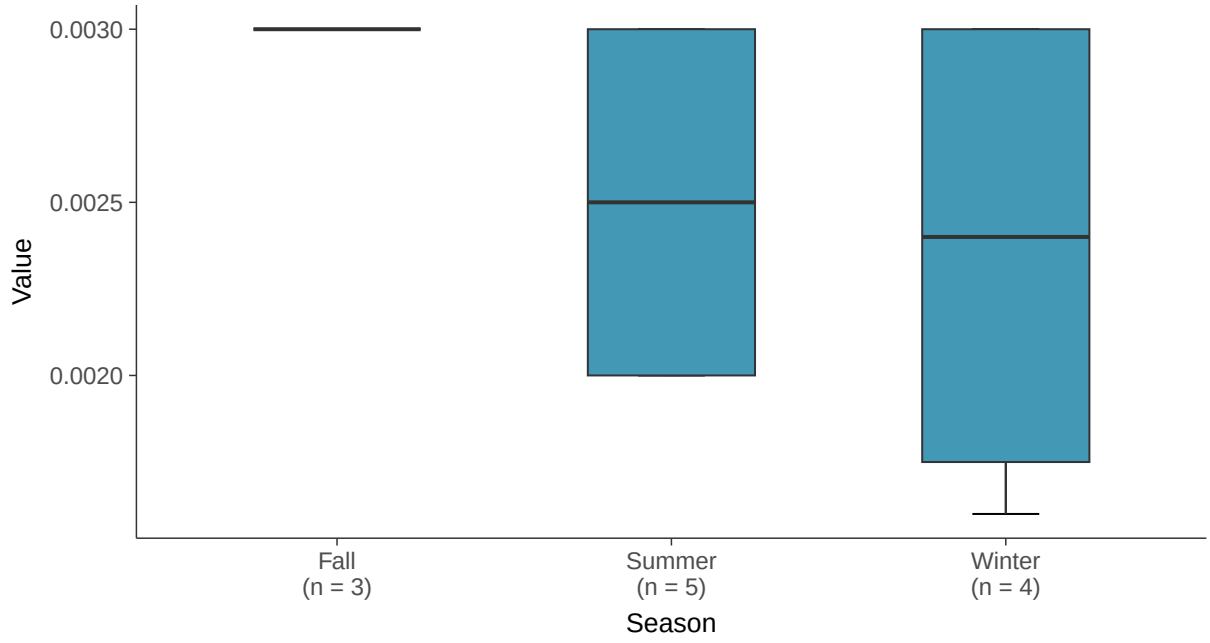
Boxplot

Arsenic, MW-100D (mg/l)



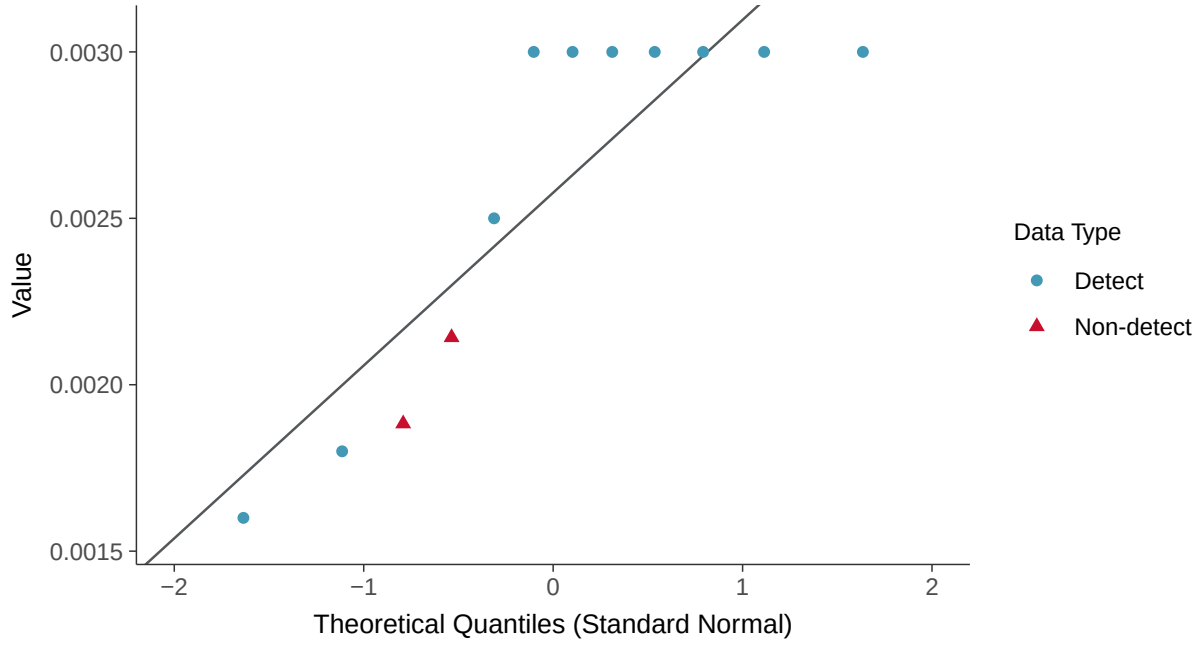
Boxplot by Season

Arsenic, MW-100D (mg/l)



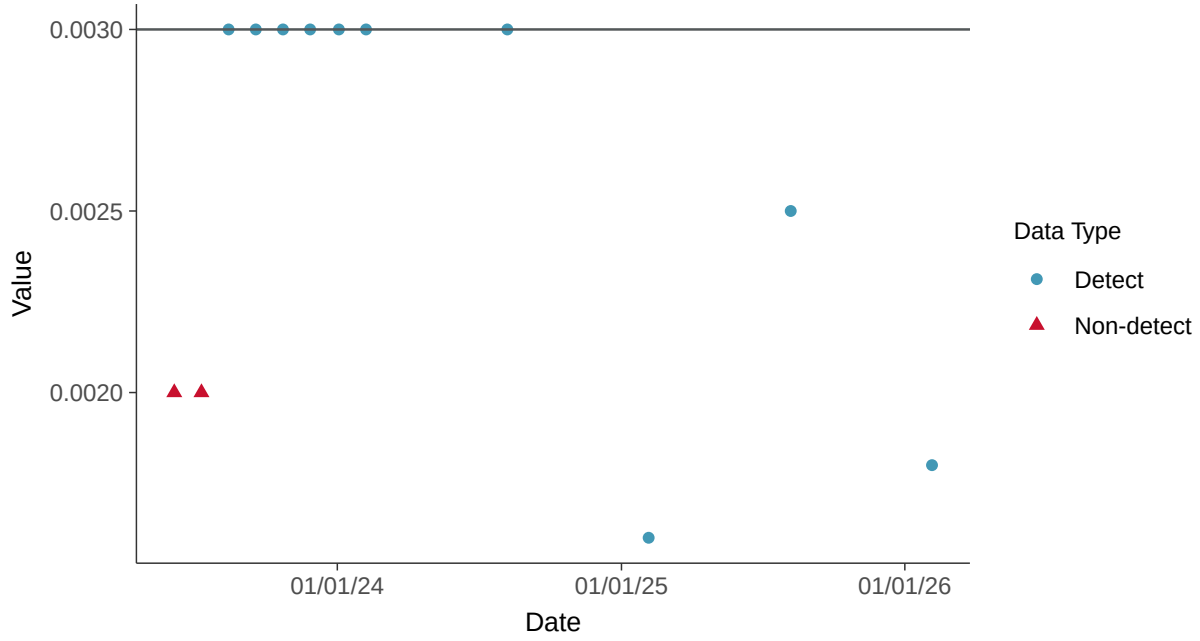
Normal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-100D (mg/l)



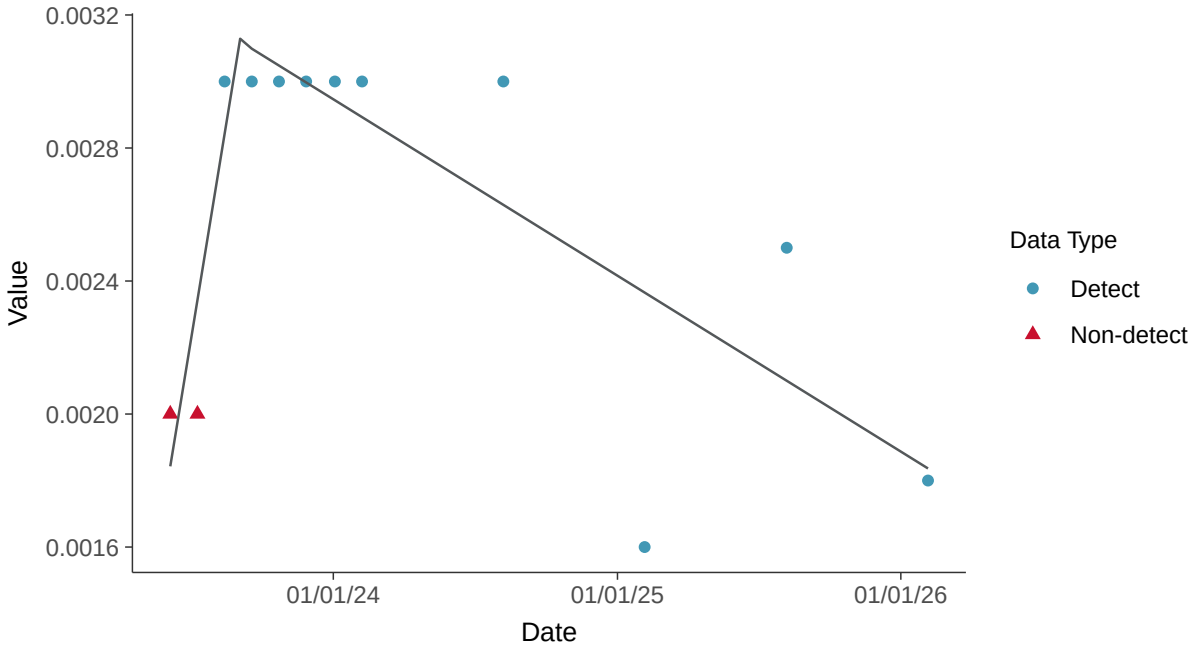
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Arsenic, MW-100D (mg/l)



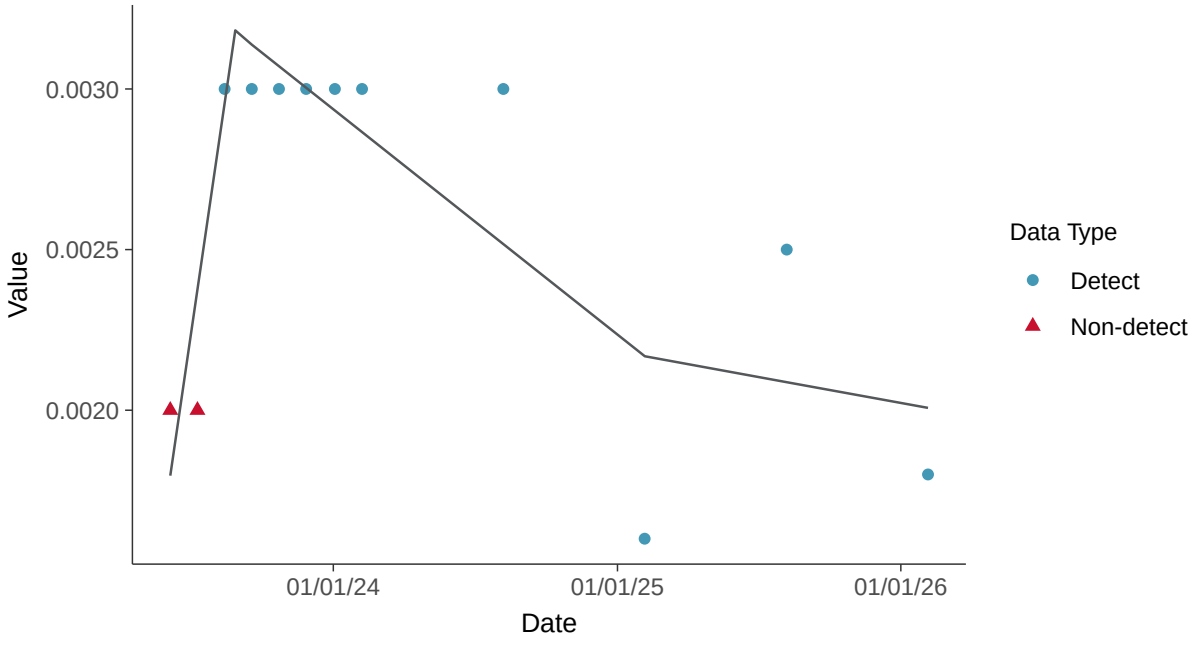
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-100D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Arsenic, MW-100D (mg/l)

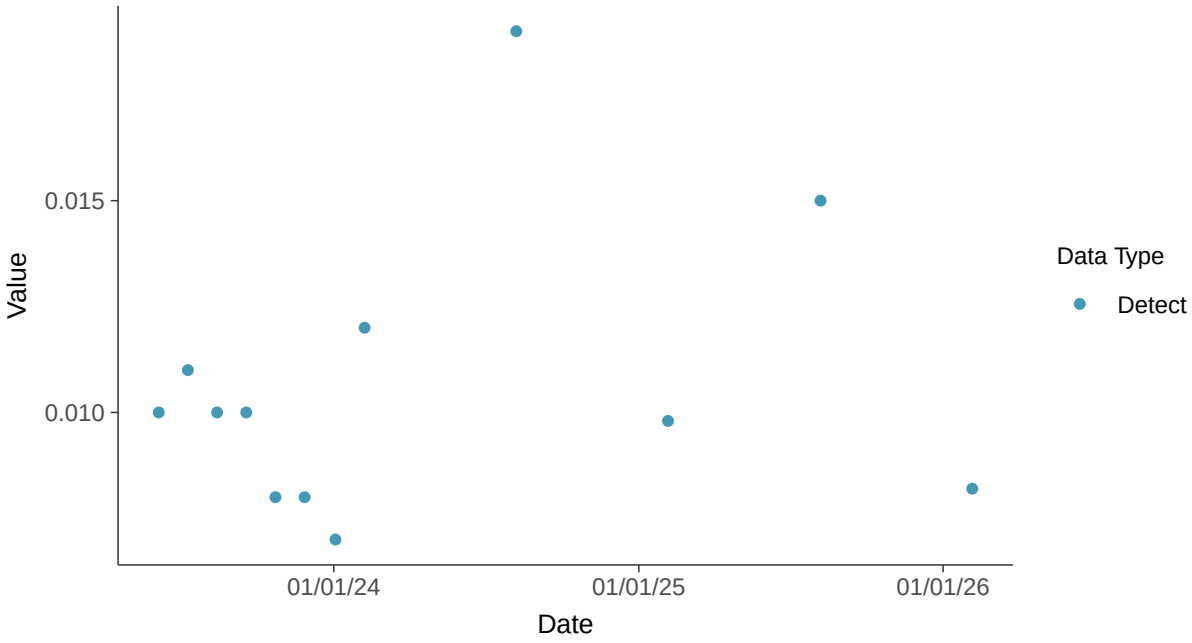


Appendix IV: Barium, MW-100D

ID: 21_3_103

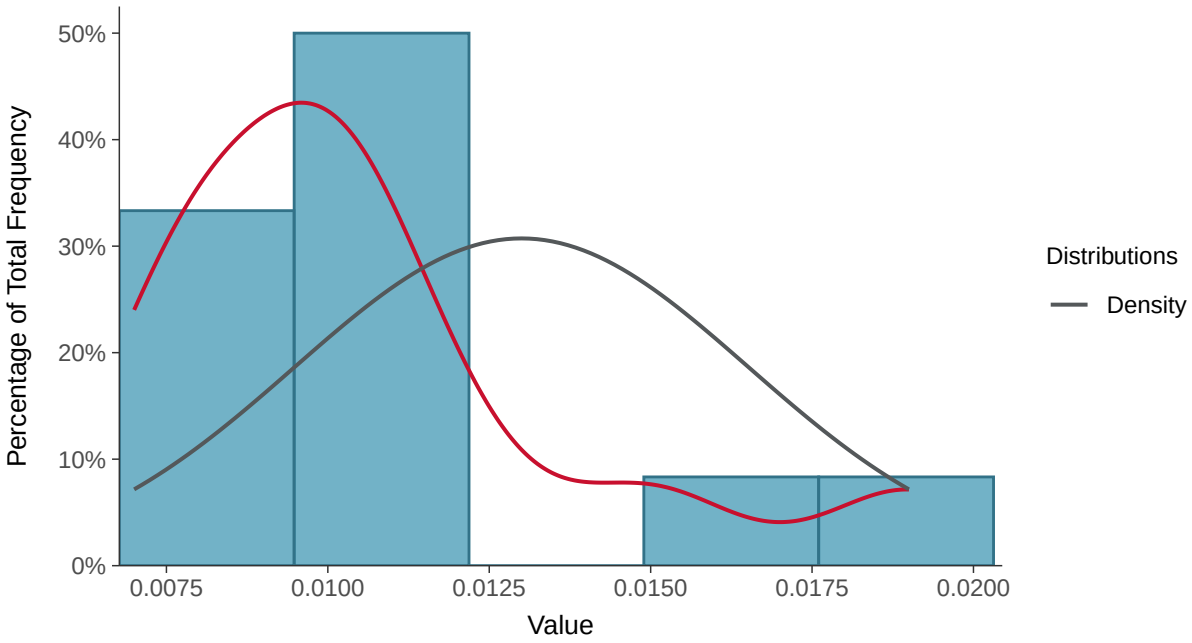
Scatter Plot

Barium, MW-100D (mg/l)



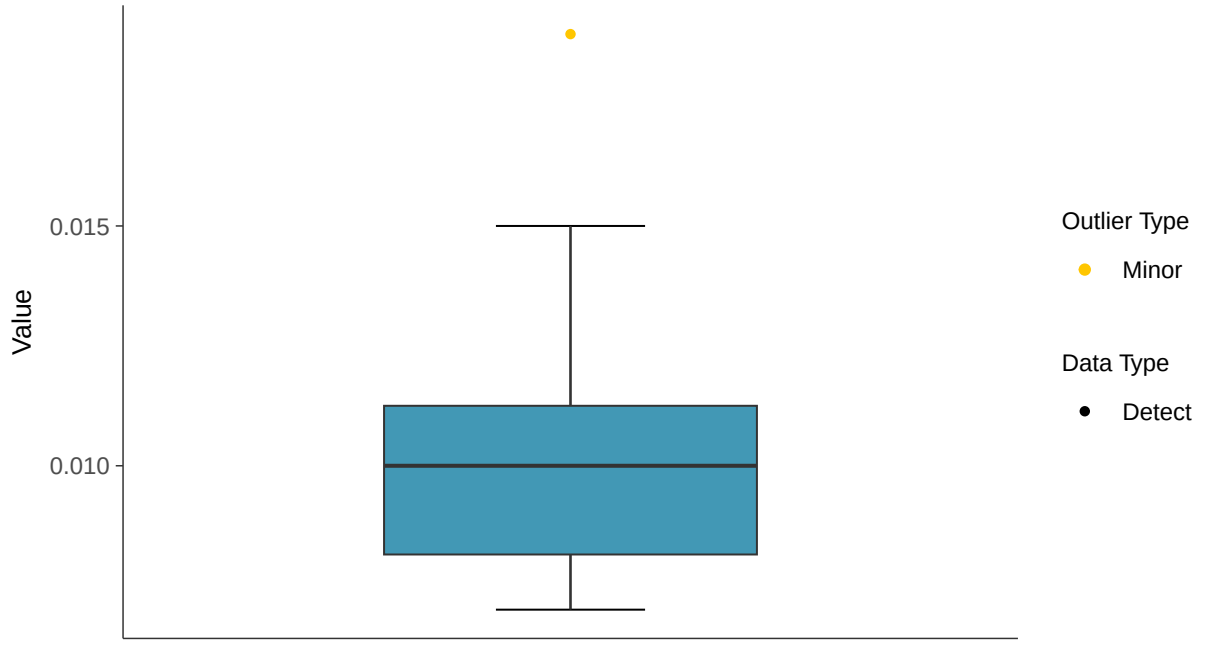
Histogram

Barium, MW-100D (mg/l)



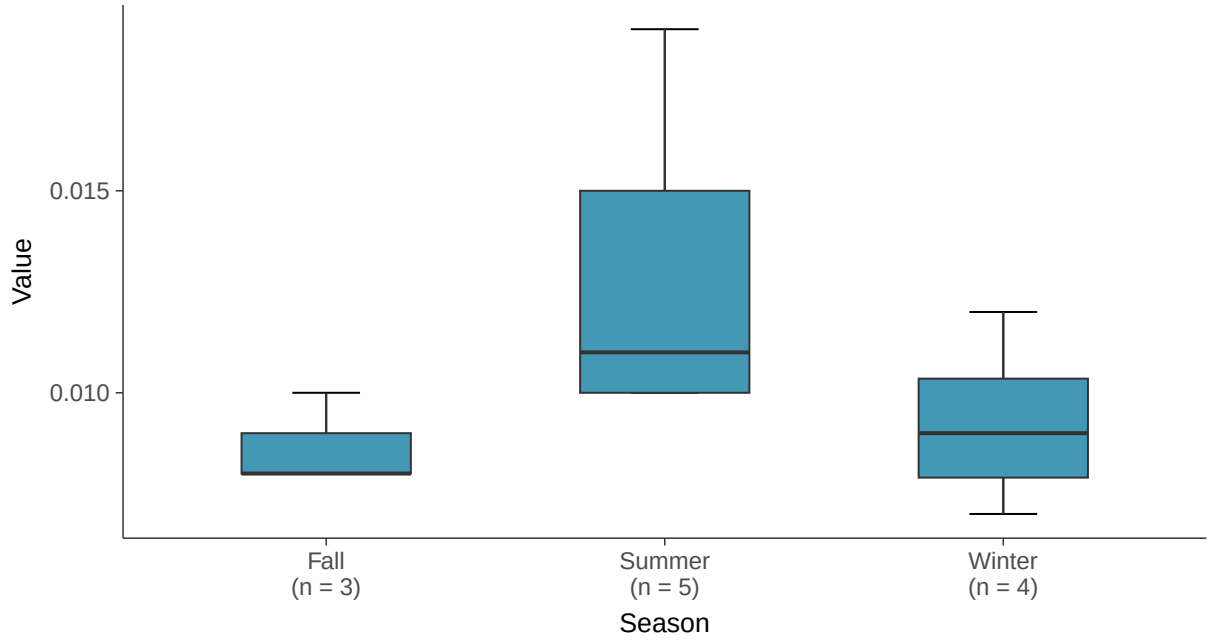
Boxplot

Barium, MW-100D (mg/l)



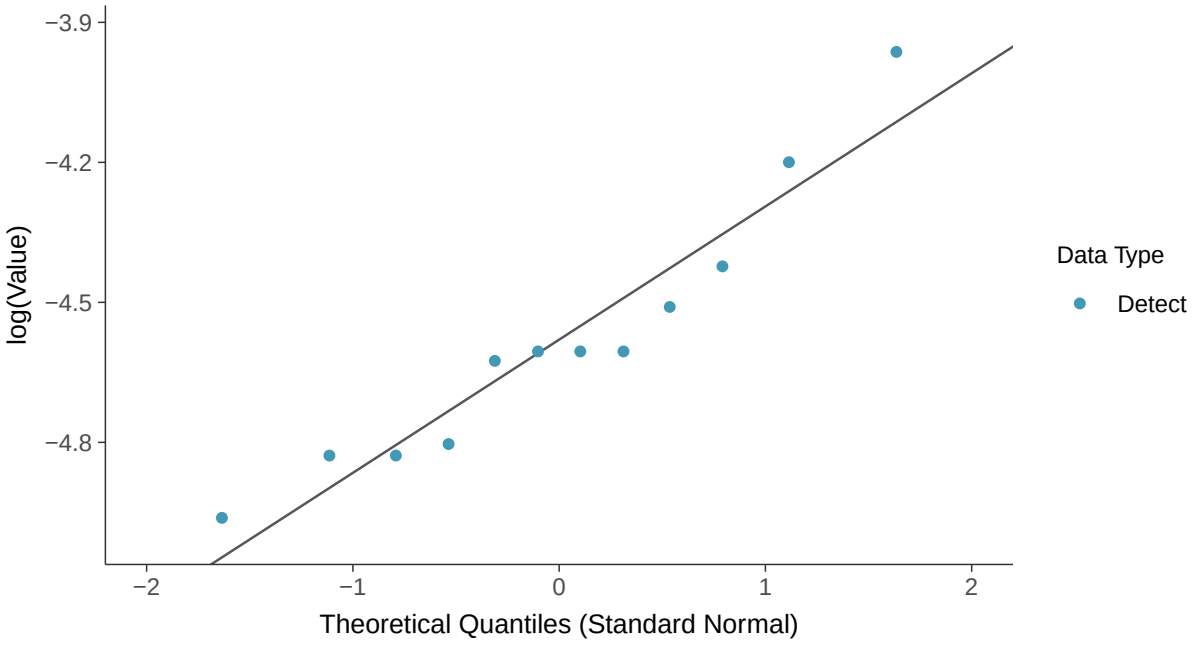
Boxplot by Season

Barium, MW-100D (mg/l)



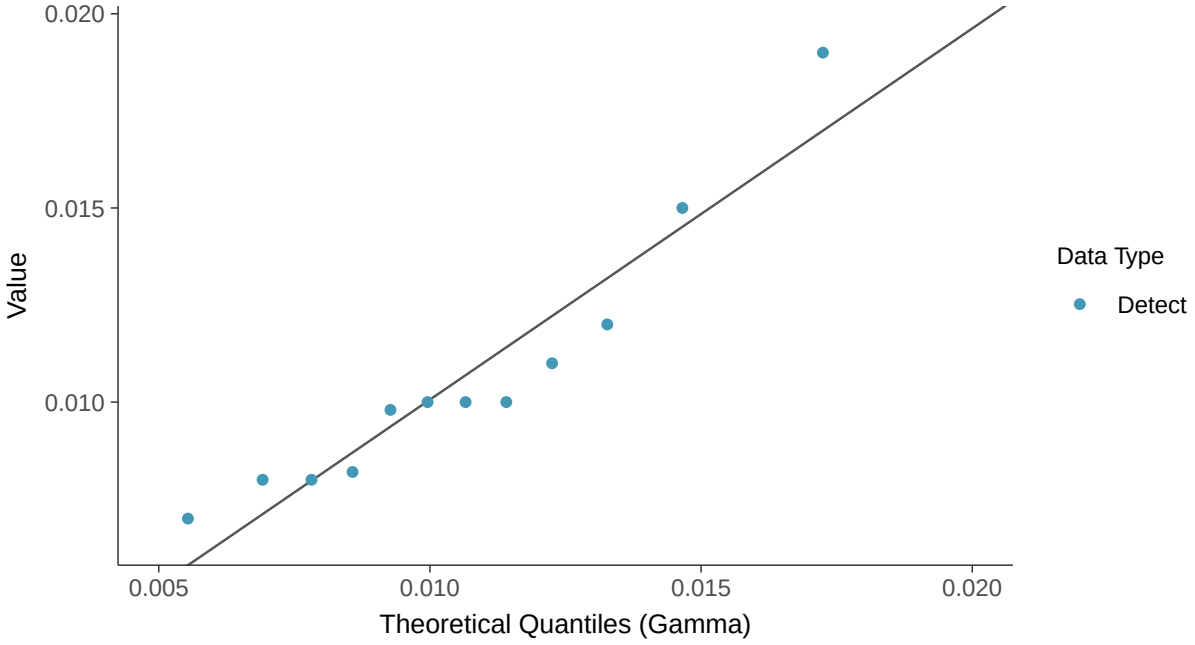
Lognormal Q-Q plot

Barium, MW-100D (mg/l)



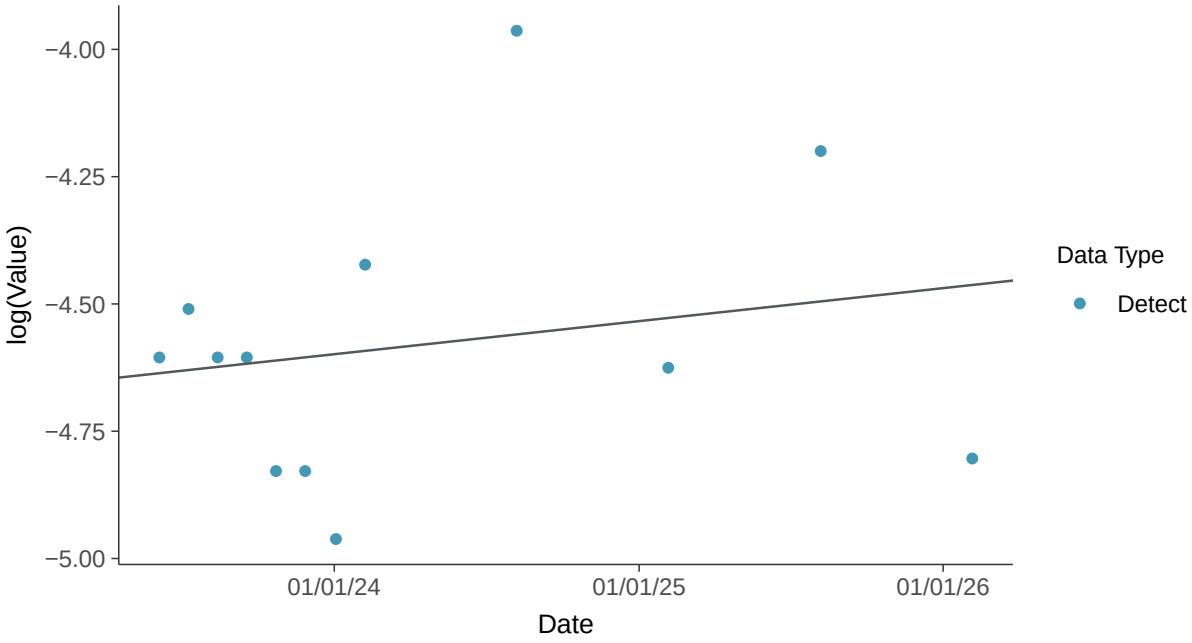
Gamma Q-Q plot

Barium, MW-100D (mg/l)



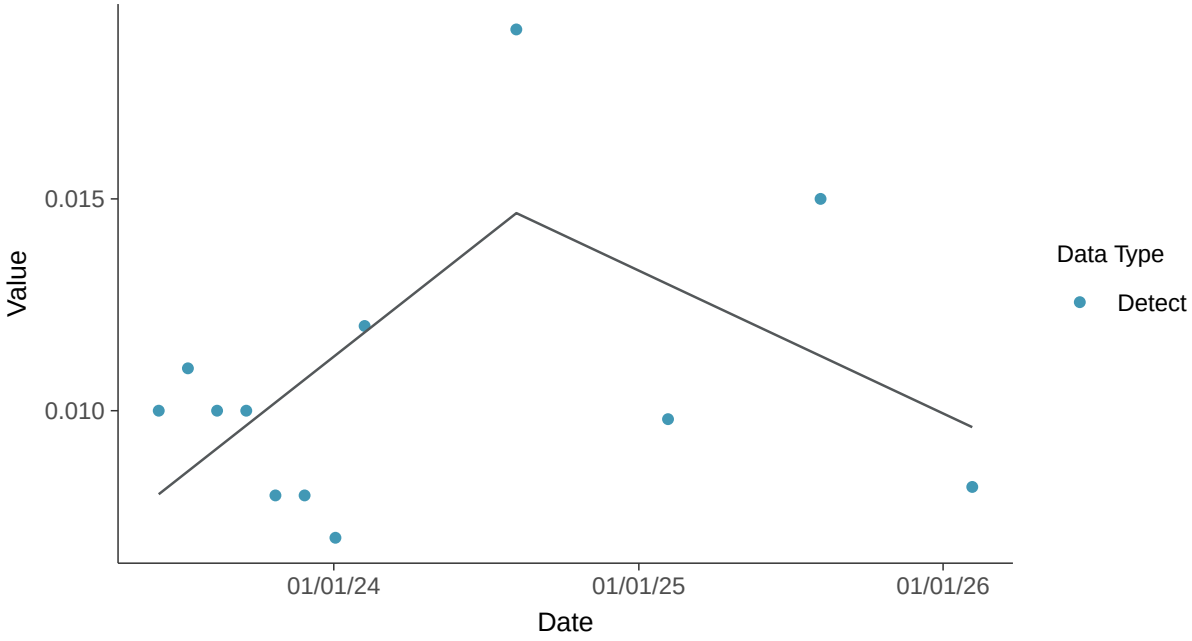
Trend Regression: Lognormal MLE

Barium, MW-100D (mg/l)



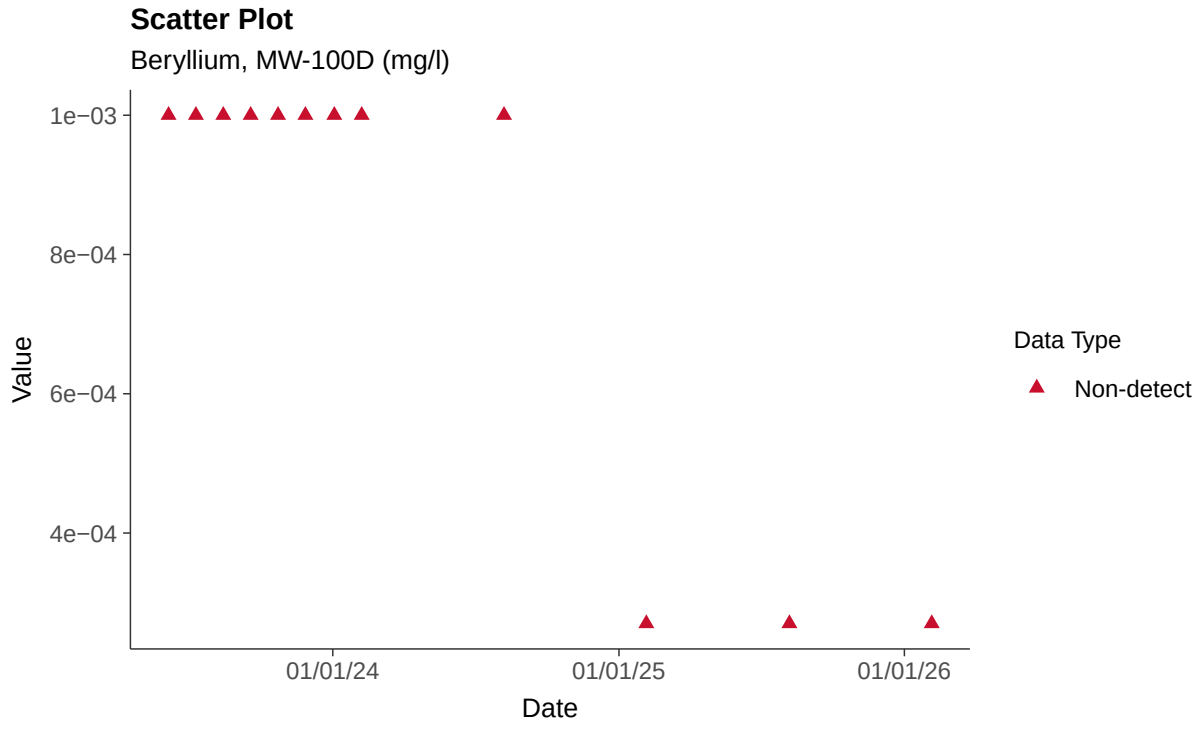
Trend Regression: Piecewise Linear-Linear

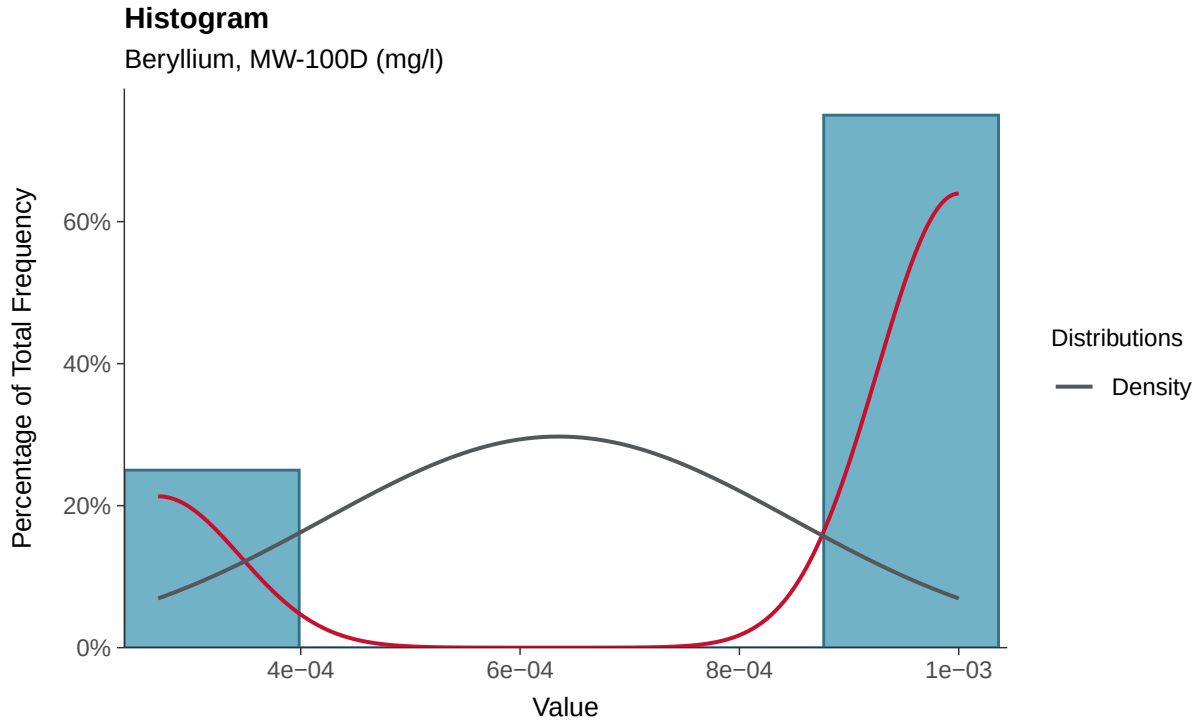
Barium, MW-100D (mg/l)



Appendix IV: Beryllium, MW-100D

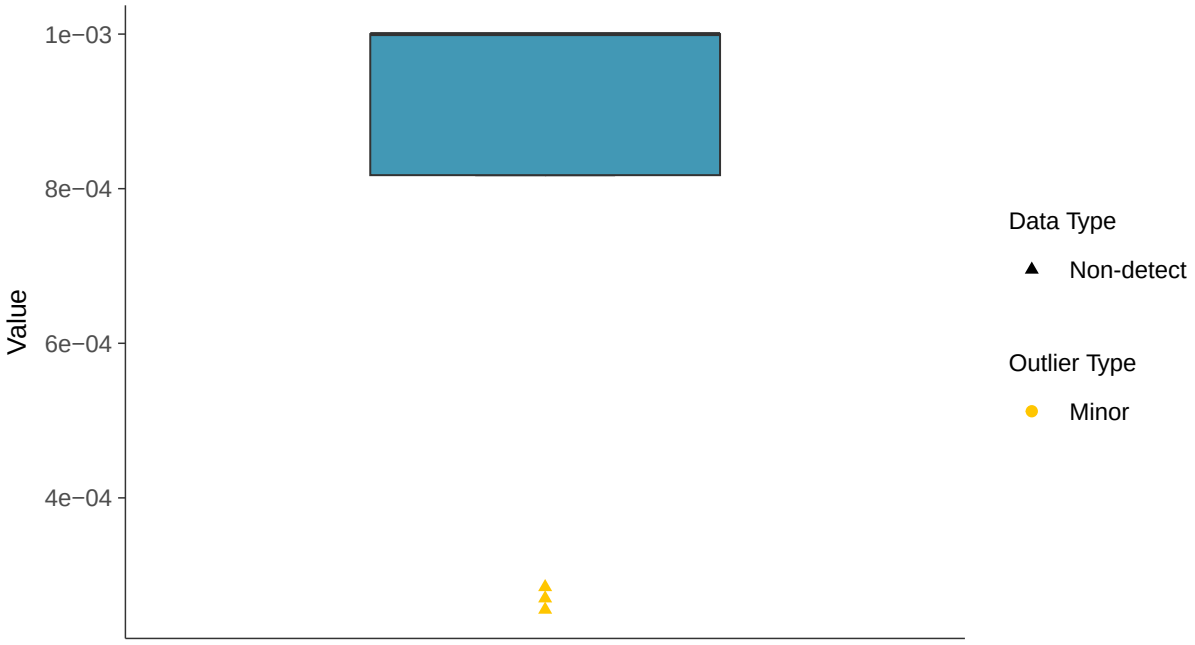
ID: 21_3_104





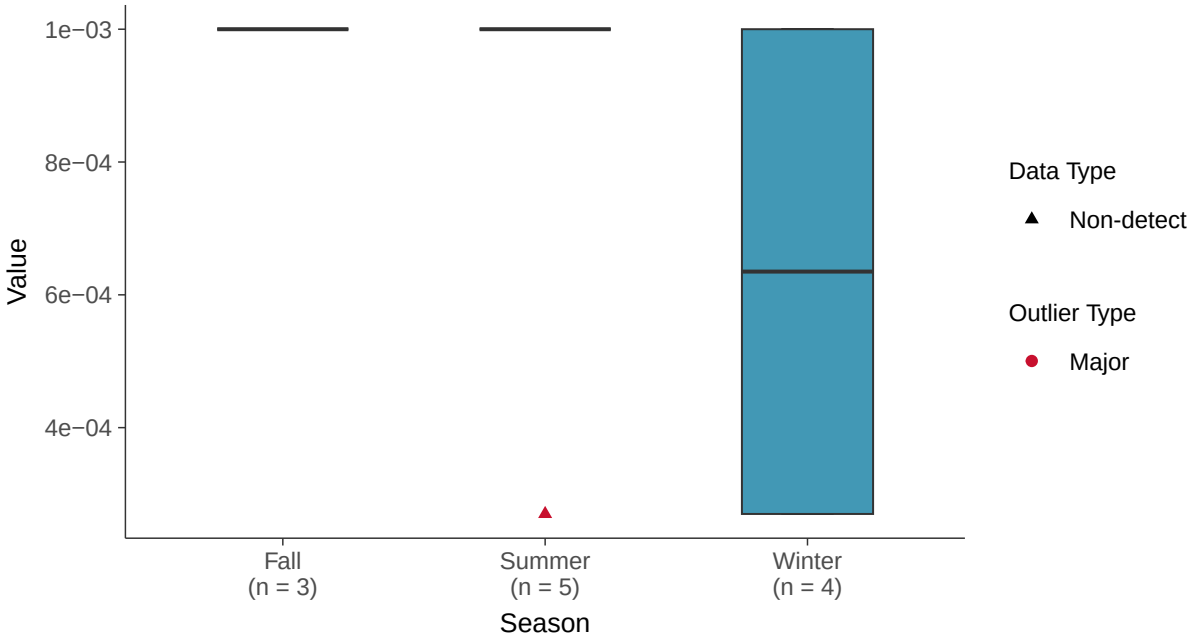
Boxplot

Beryllium, MW-100D (mg/l)



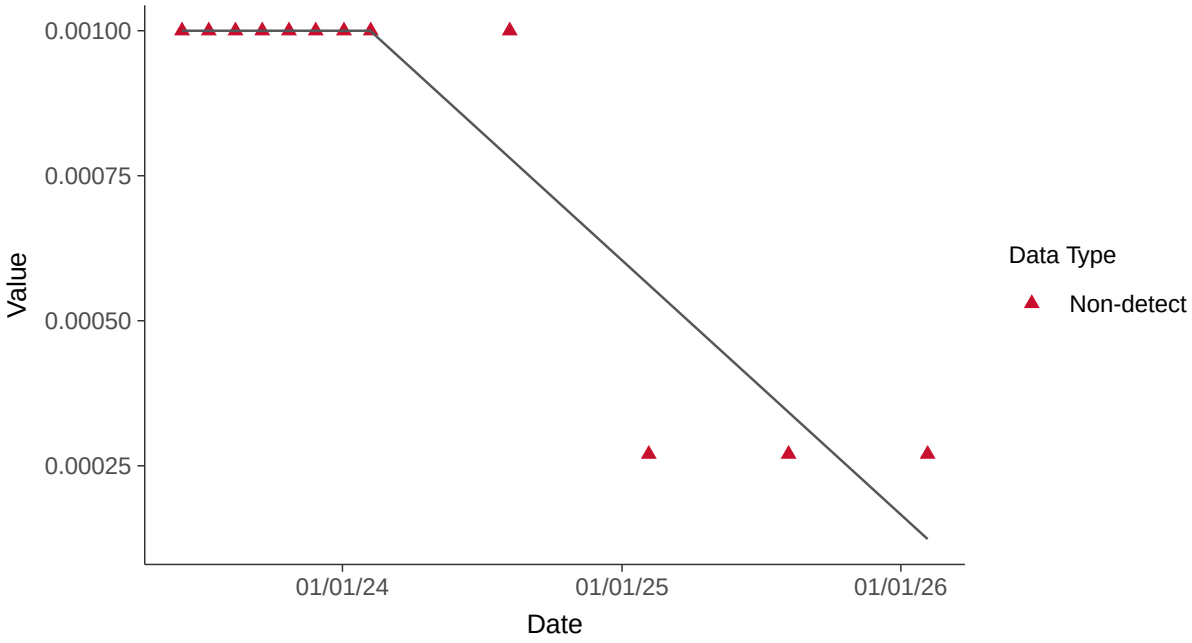
Boxplot by Season

Beryllium, MW-100D (mg/l)



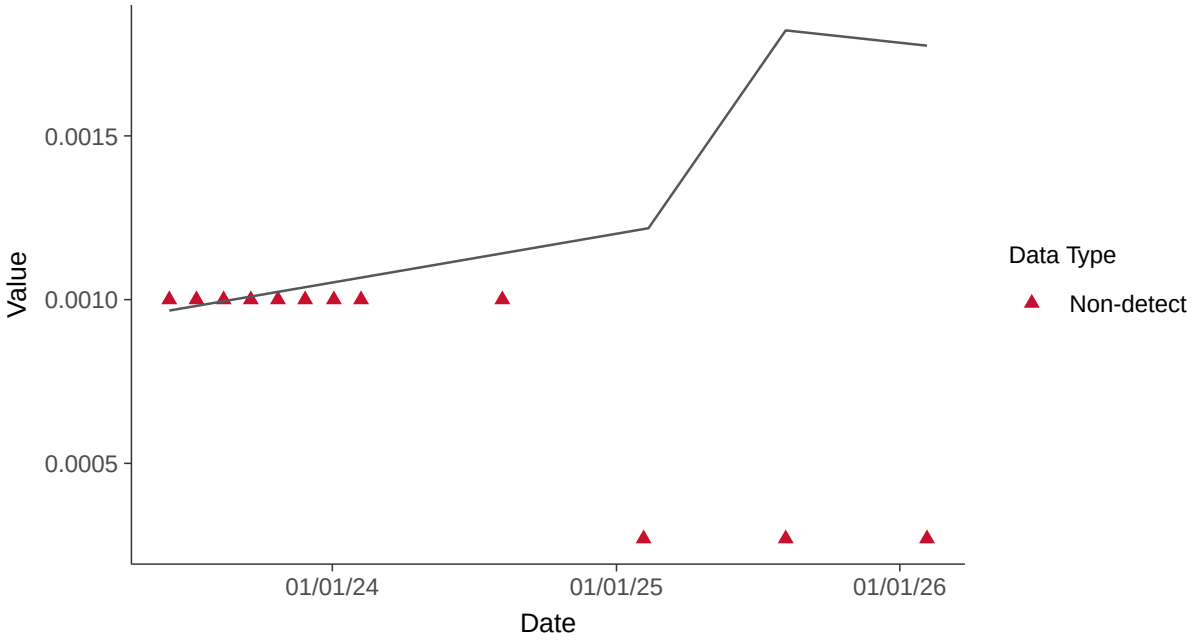
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-100D (mg/l)



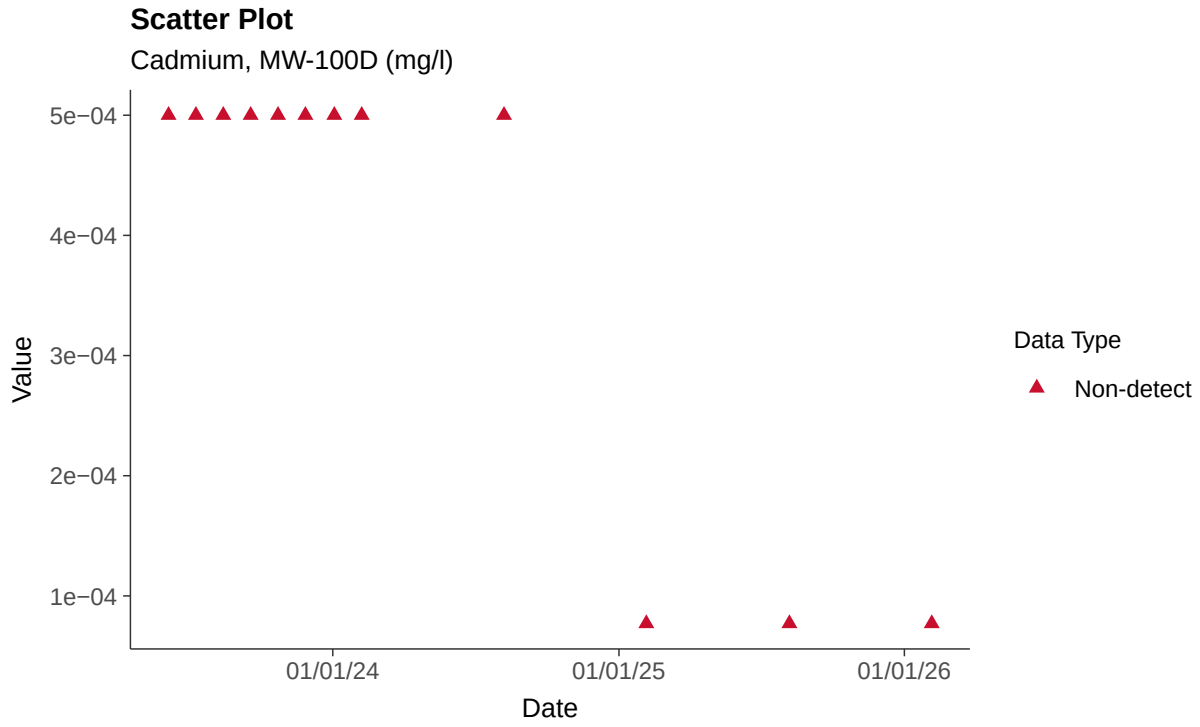
Trend Regression: Piecewise Linear-Linear-Linear

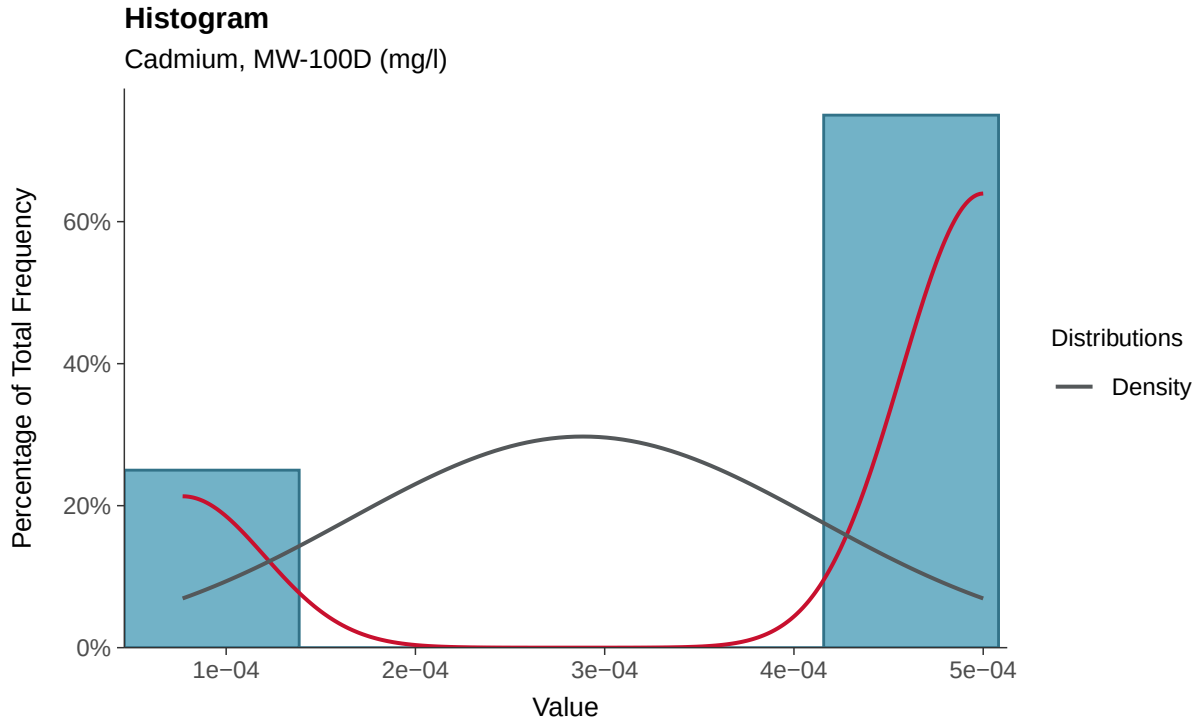
Beryllium, MW-100D (mg/l)



Appendix IV: Cadmium, MW-100D

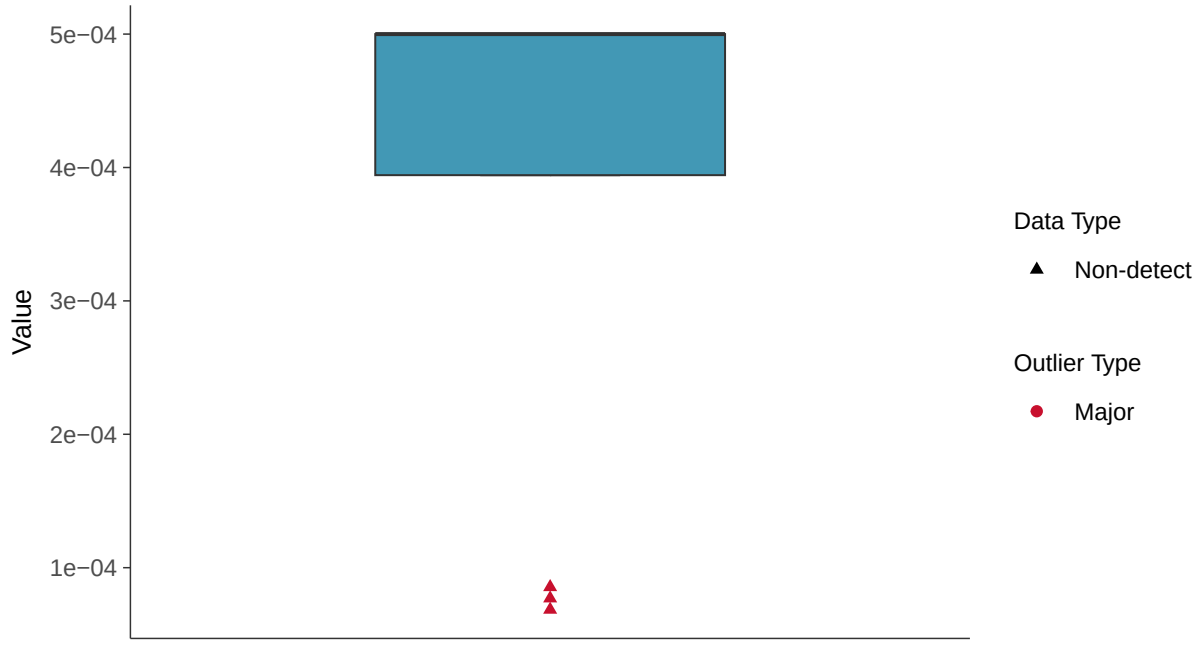
ID: 21_3_106





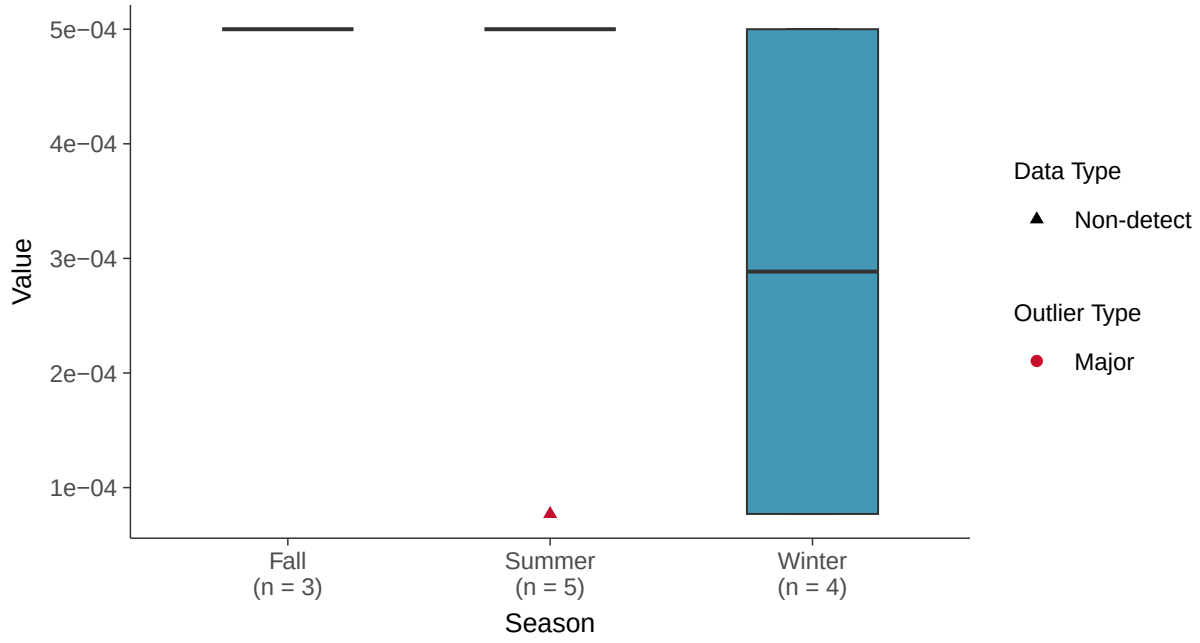
Boxplot

Cadmium, MW-100D (mg/l)



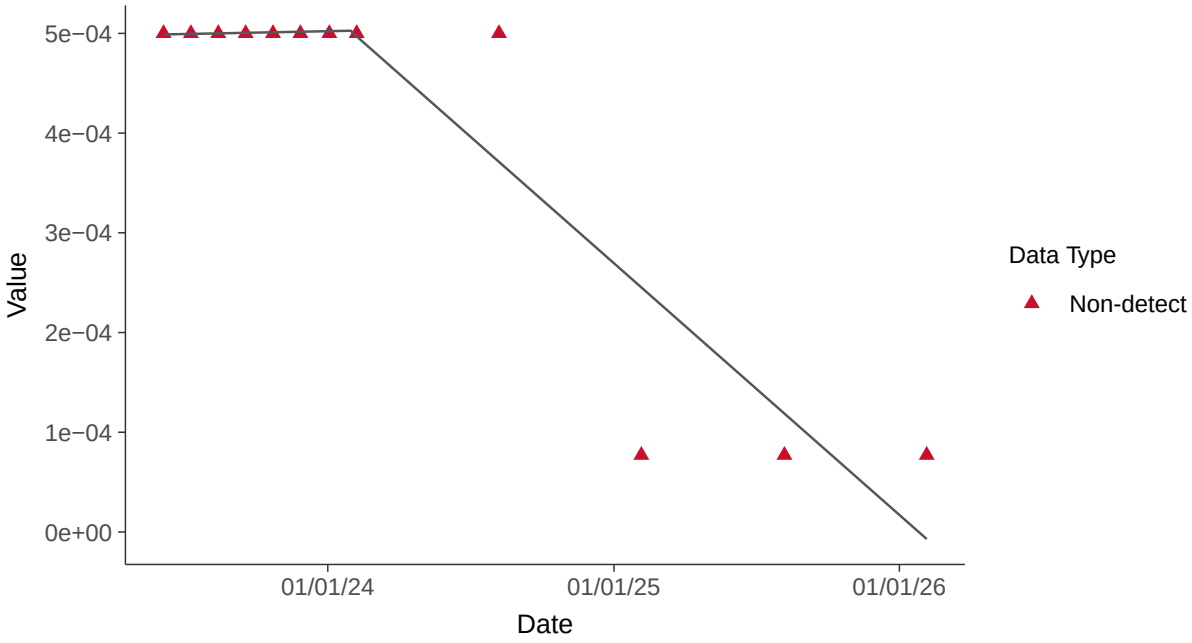
Boxplot by Season

Cadmium, MW-100D (mg/l)



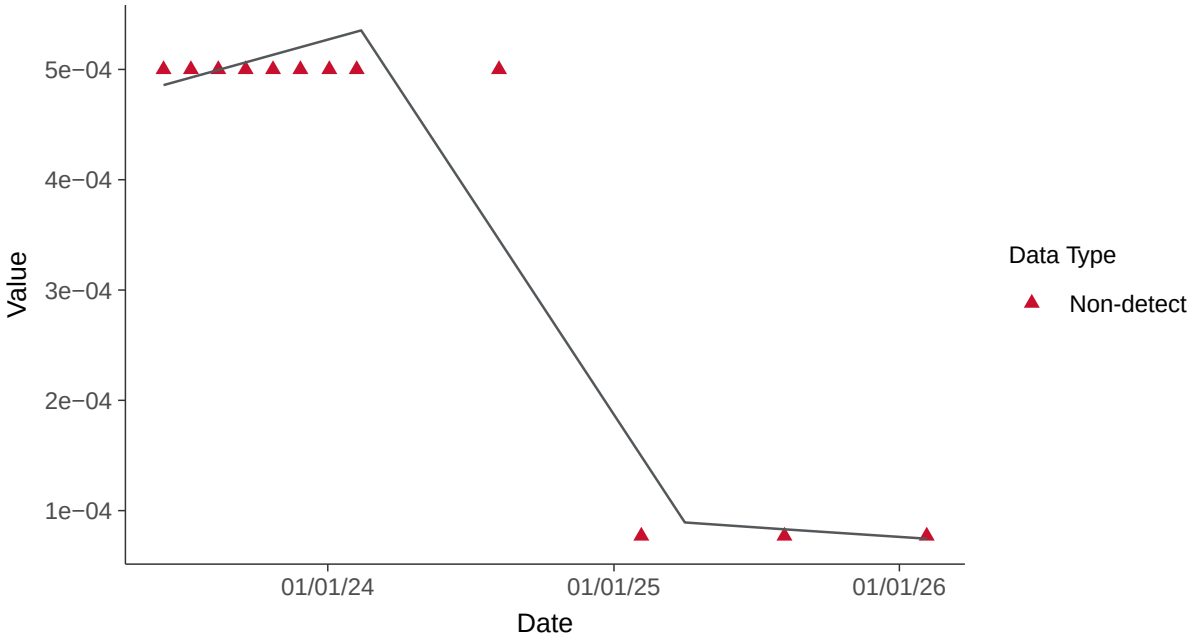
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-100D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Cadmium, MW-100D (mg/l)

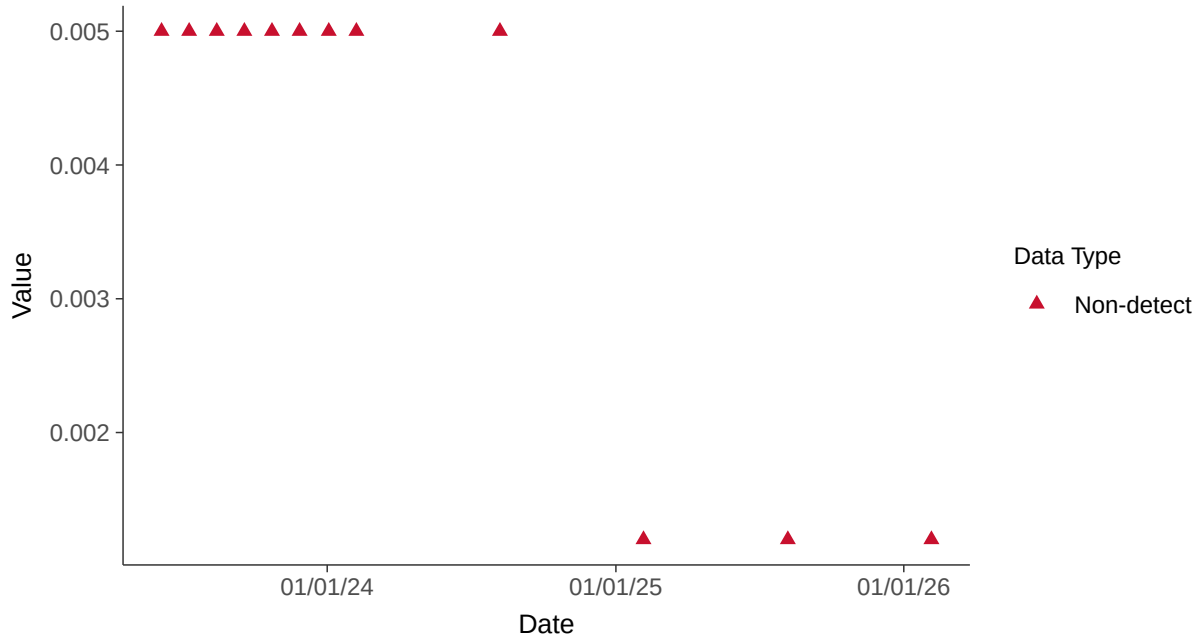


Appendix IV: Chromium, MW-100D

ID: 21_3_109

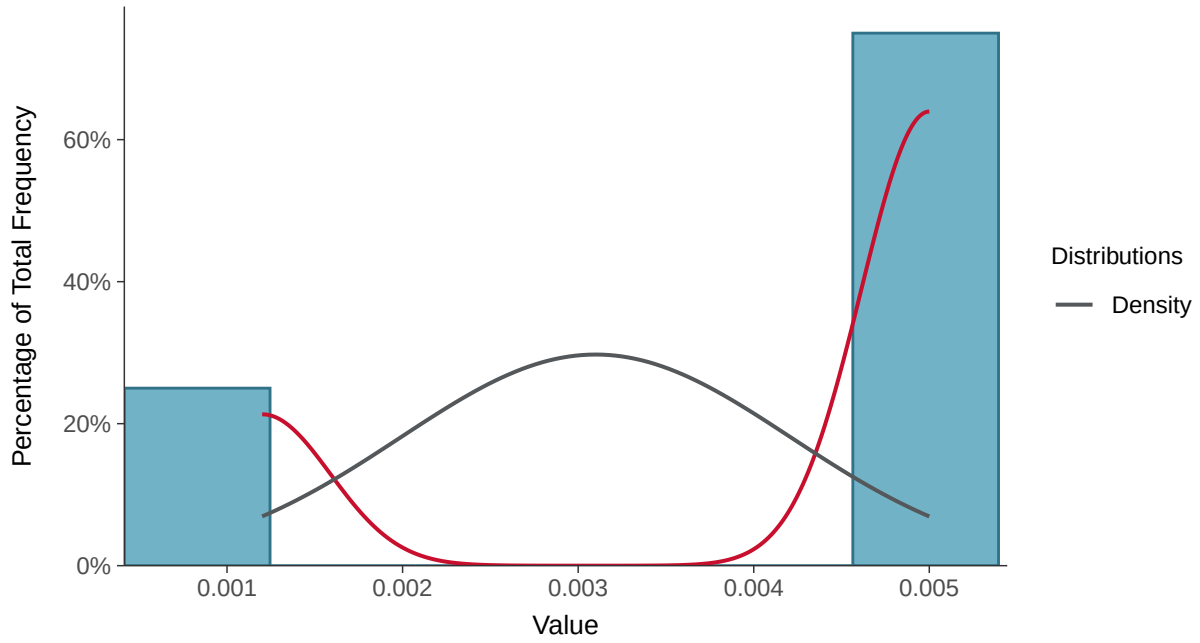
Scatter Plot

Chromium, MW-100D (mg/l)



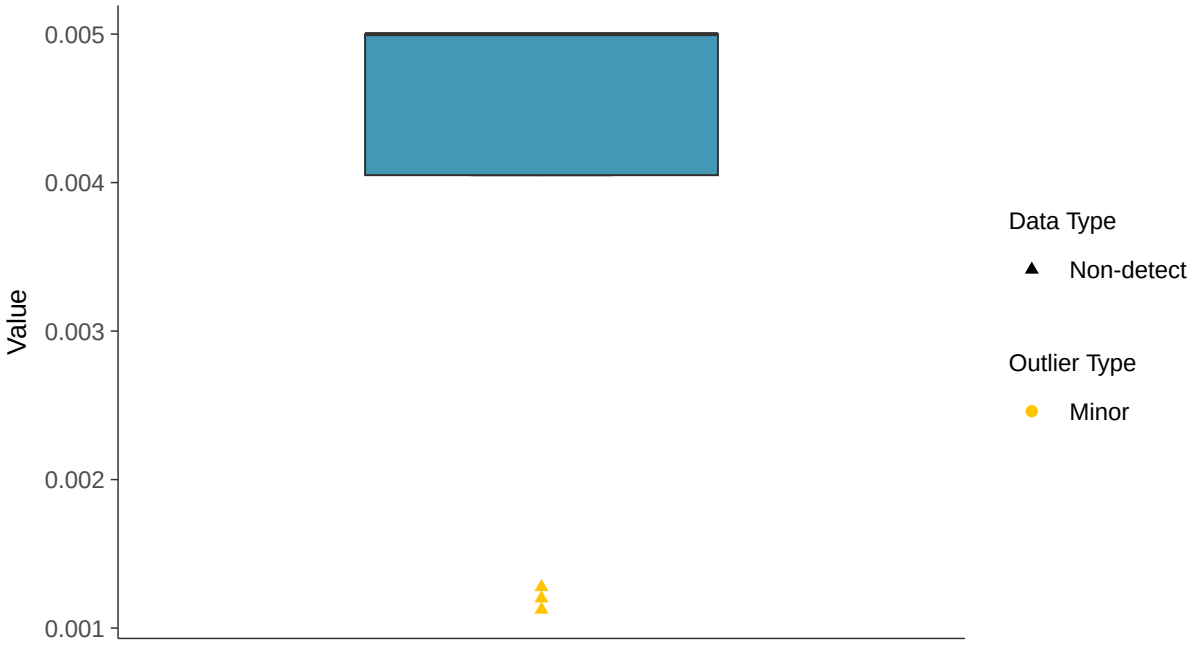
Histogram

Chromium, MW-100D (mg/l)



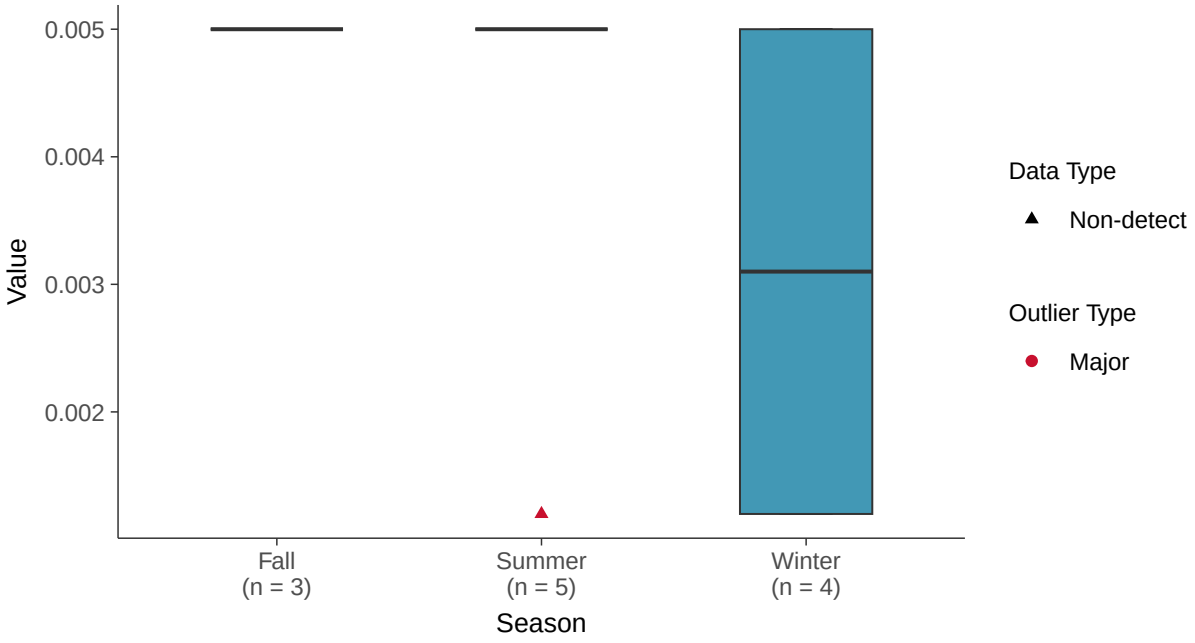
Boxplot

Chromium, MW-100D (mg/l)



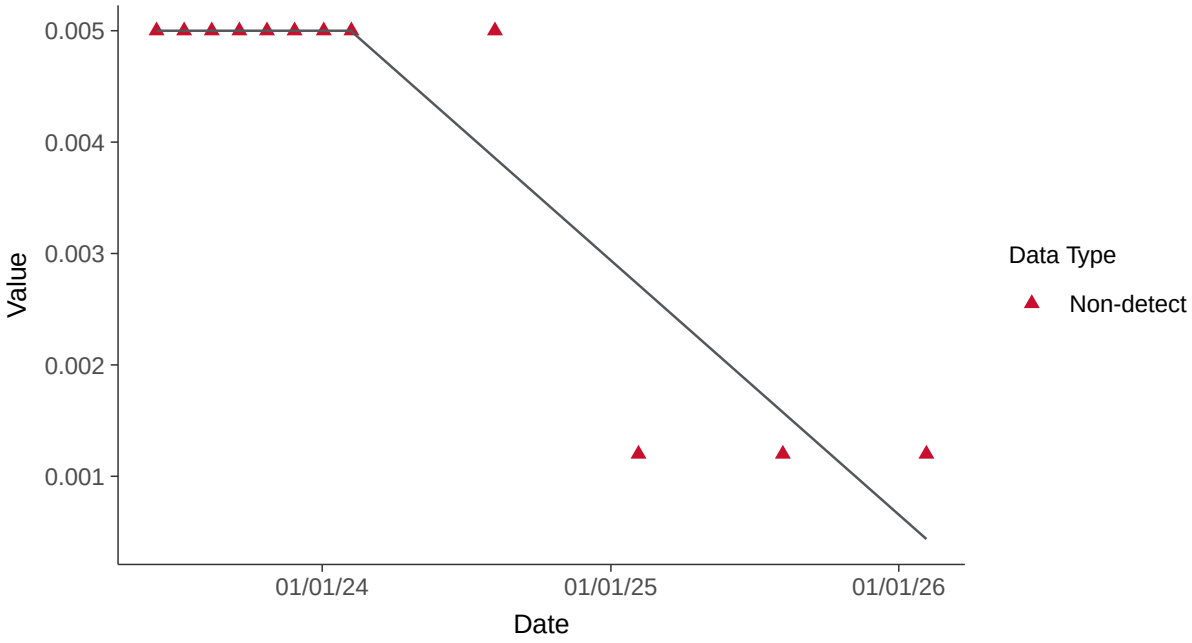
Boxplot by Season

Chromium, MW-100D (mg/l)



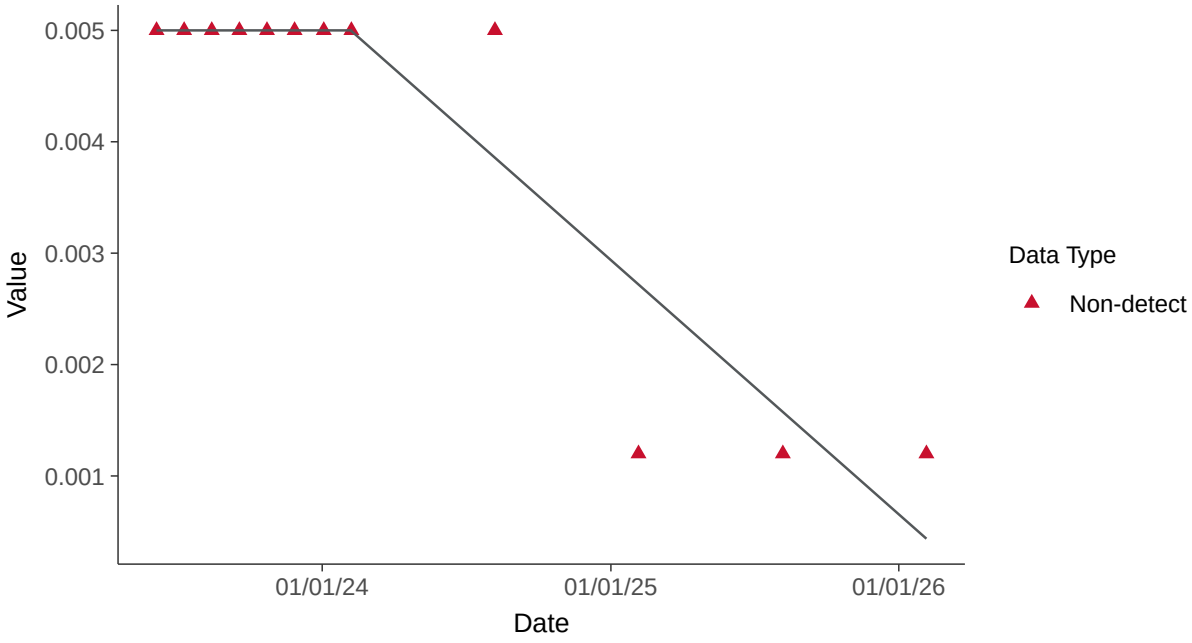
Trend Regression: Piecewise Linear-Linear

Chromium, MW-100D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Chromium, MW-100D (mg/l)

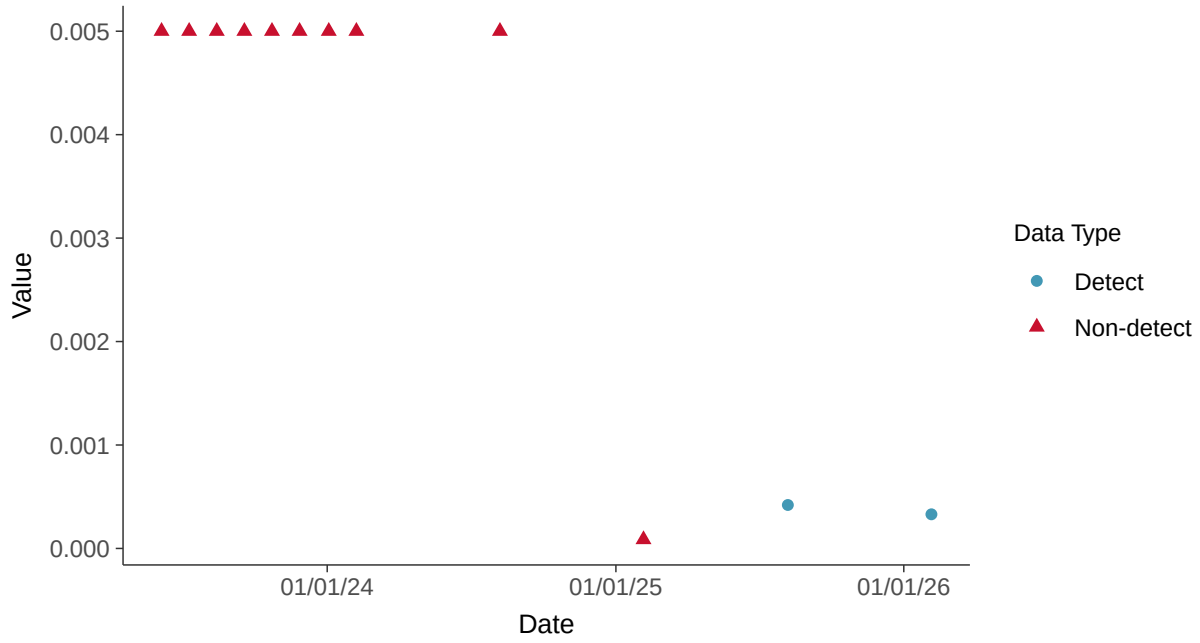


Appendix IV: Cobalt, MW-100D

ID: 21_3_110

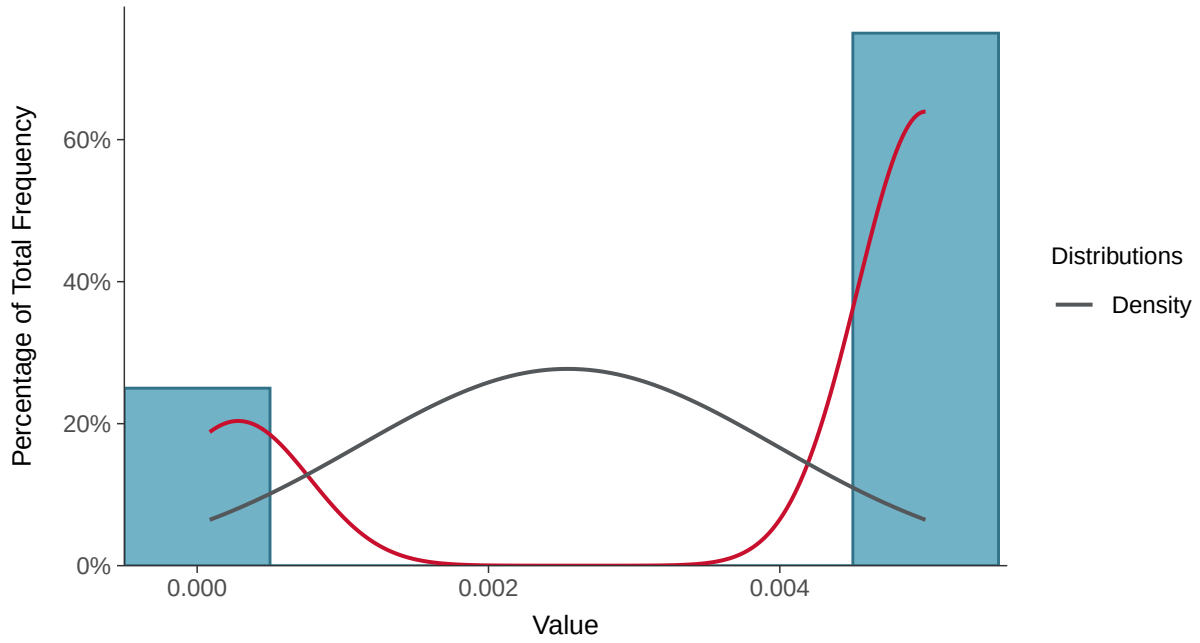
Scatter Plot

Cobalt, MW-100D (mg/l)



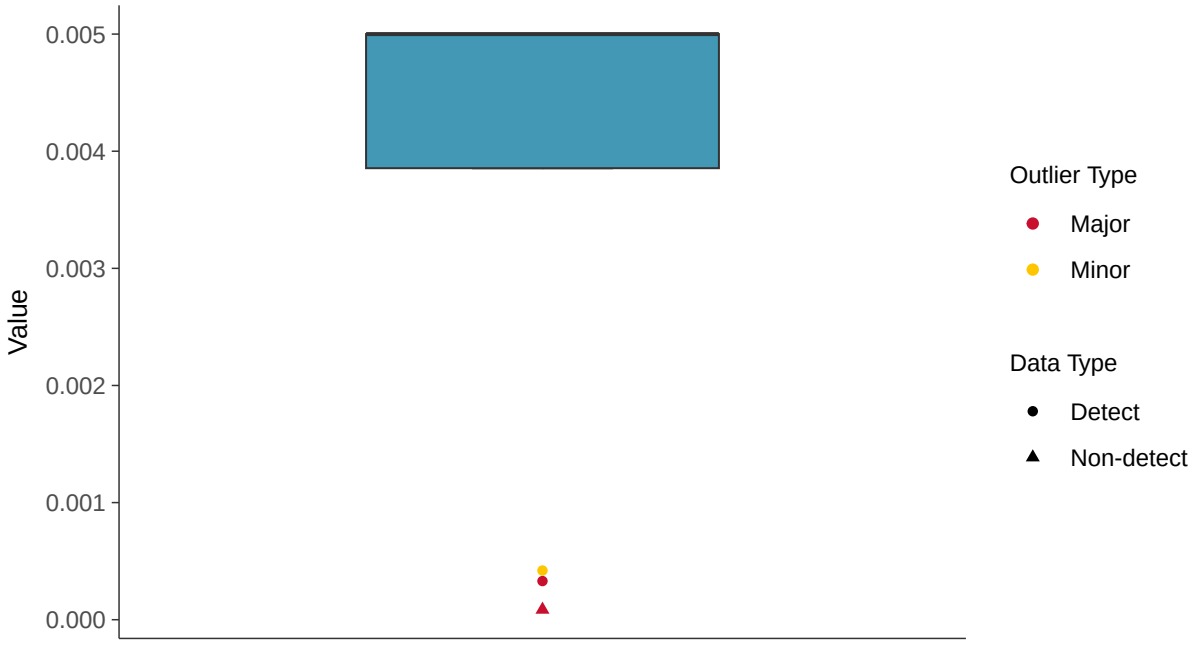
Histogram

Cobalt, MW-100D (mg/l)



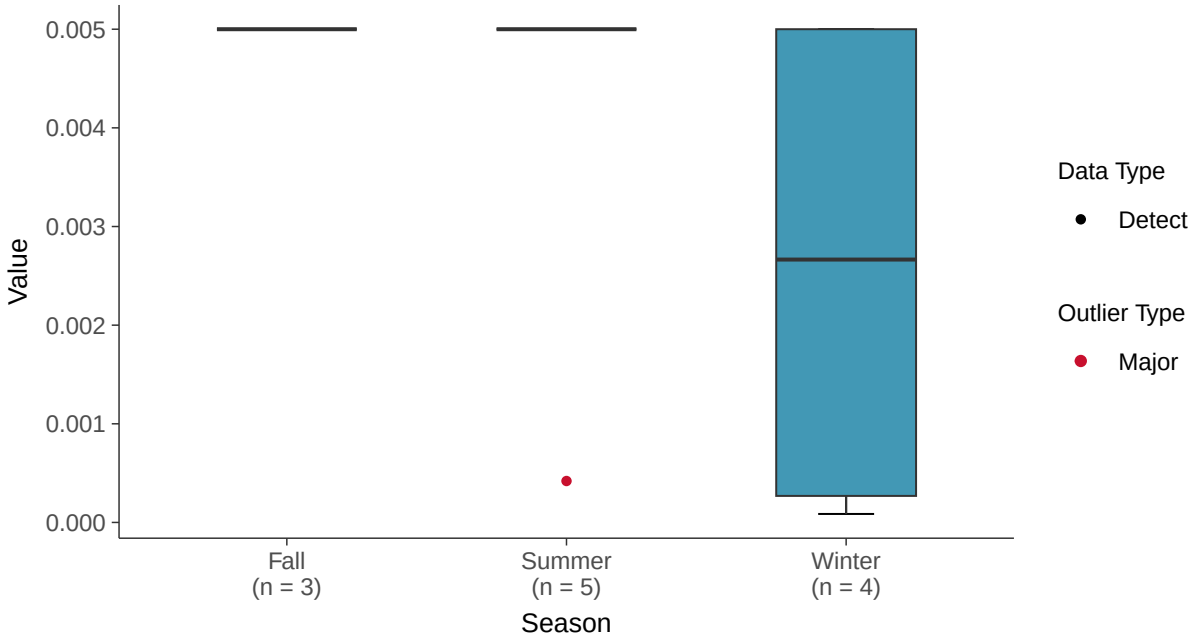
Boxplot

Cobalt, MW-100D (mg/l)



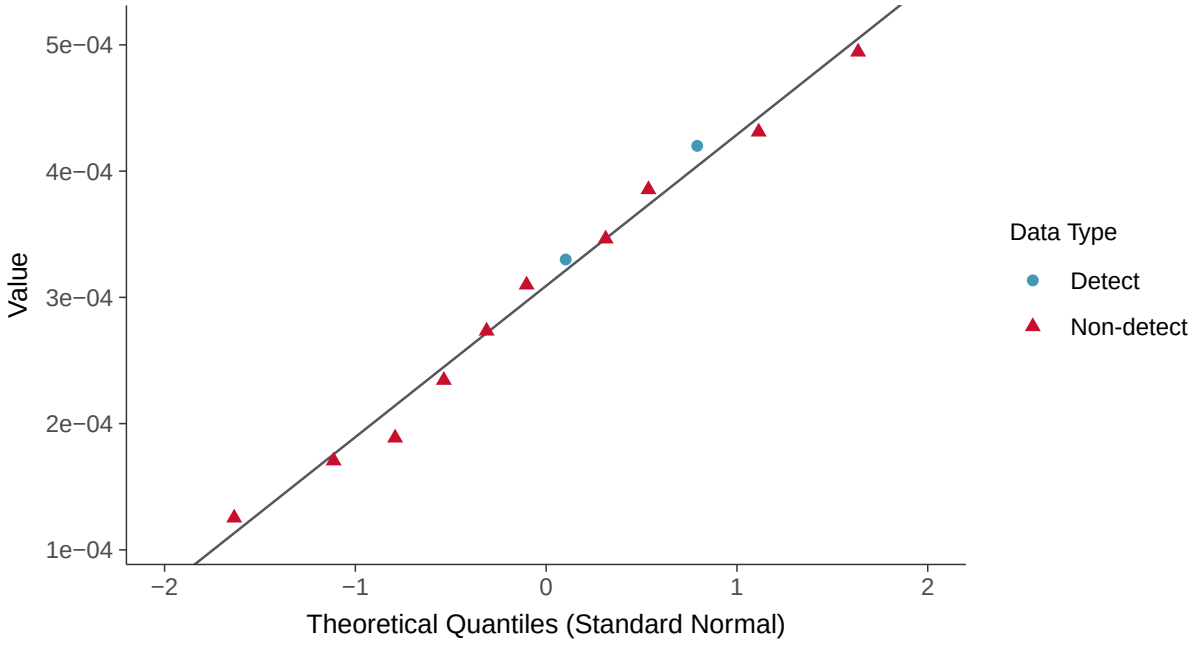
Boxplot by Season

Cobalt, MW-100D (mg/l)



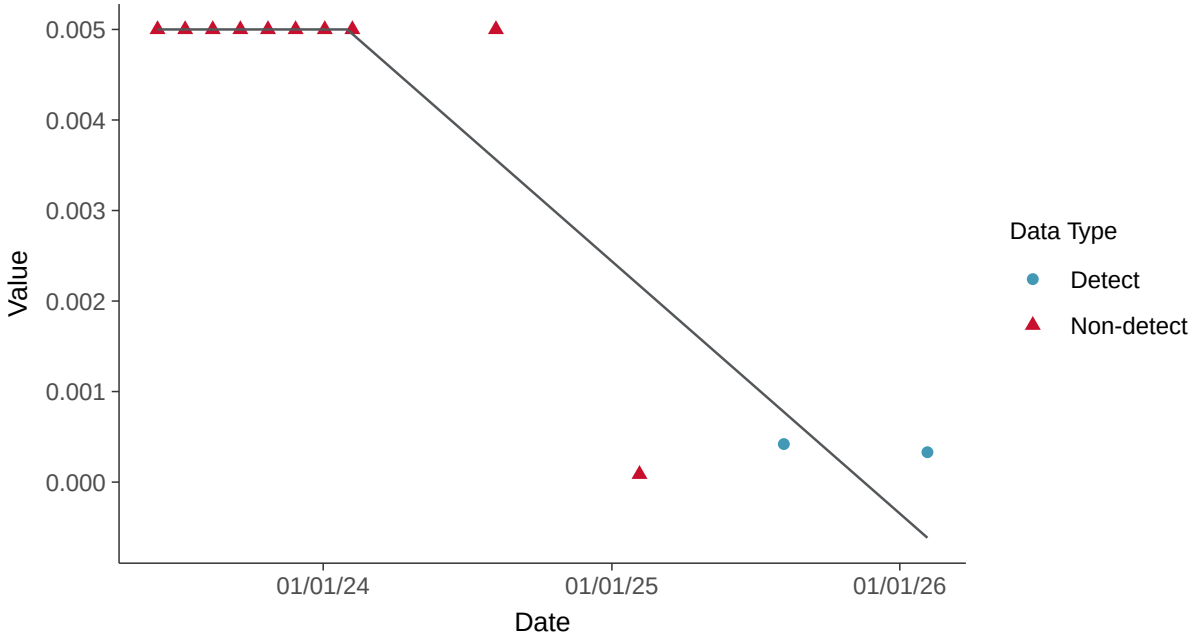
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-100D (mg/l)



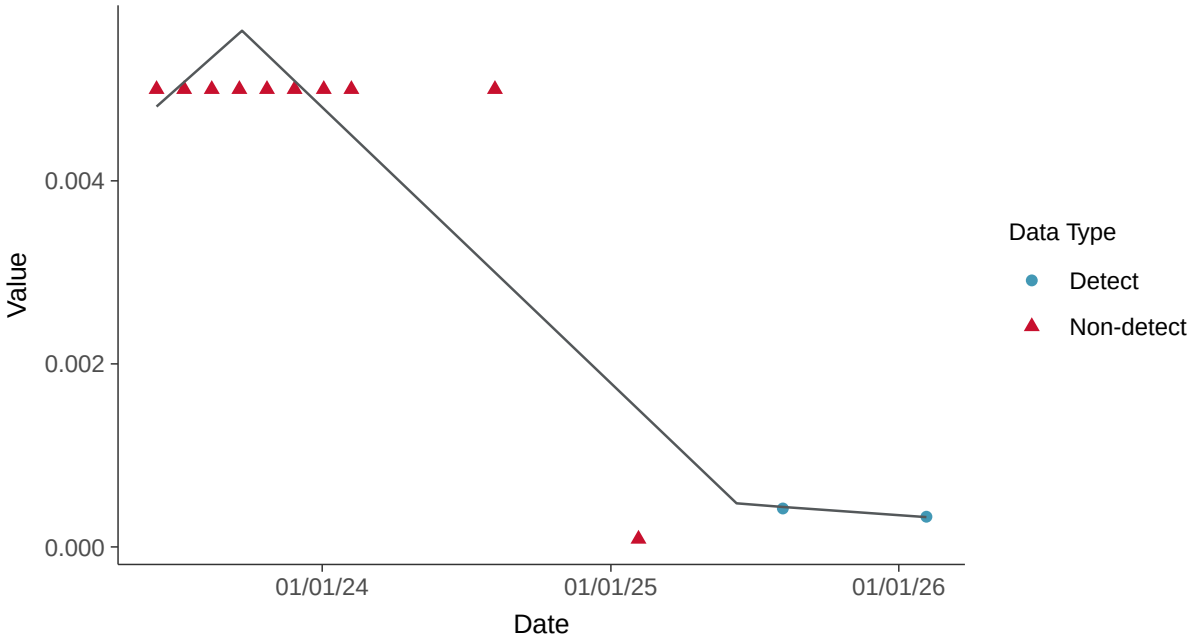
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-100D (mg/l)



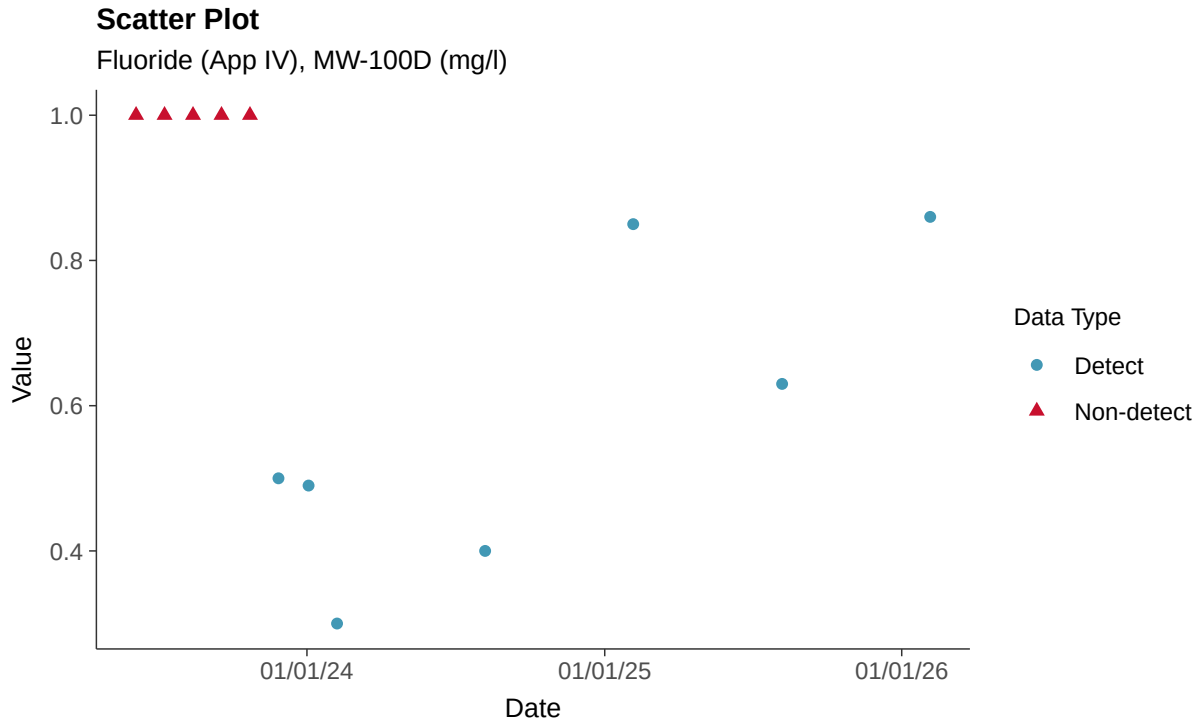
Trend Regression: Piecewise Linear-Linear-Linear

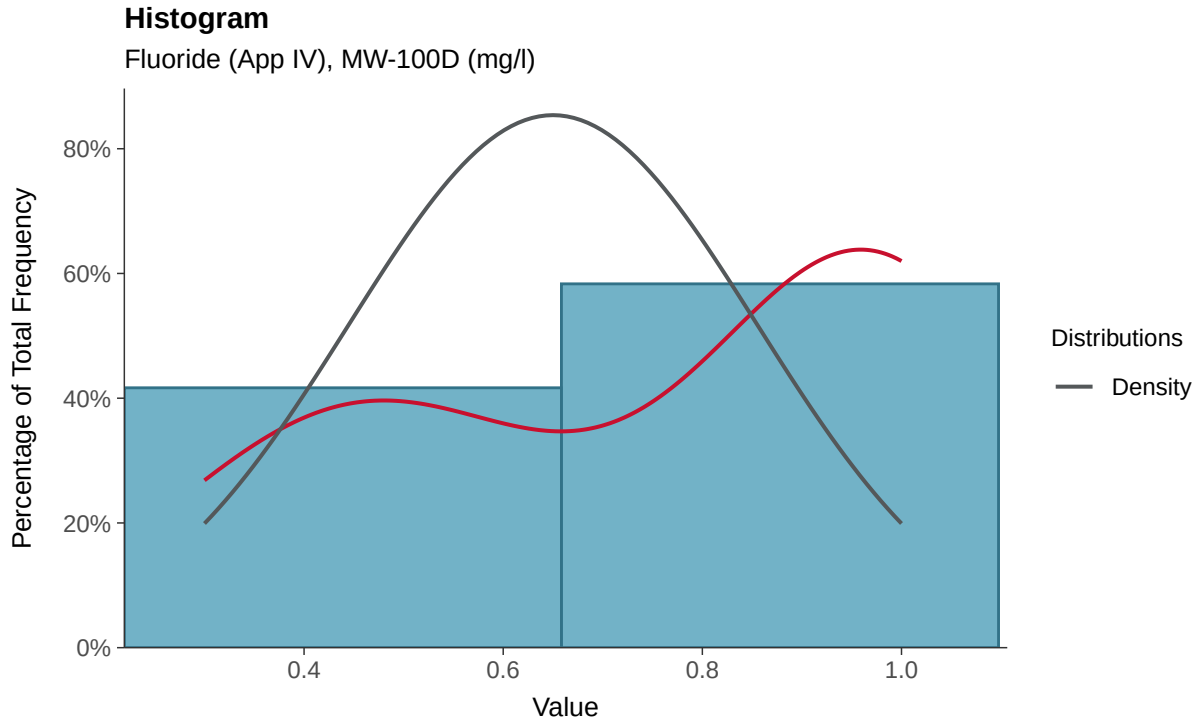
Cobalt, MW-100D (mg/l)



Appendix IV: Fluoride (App IV), MW-100D

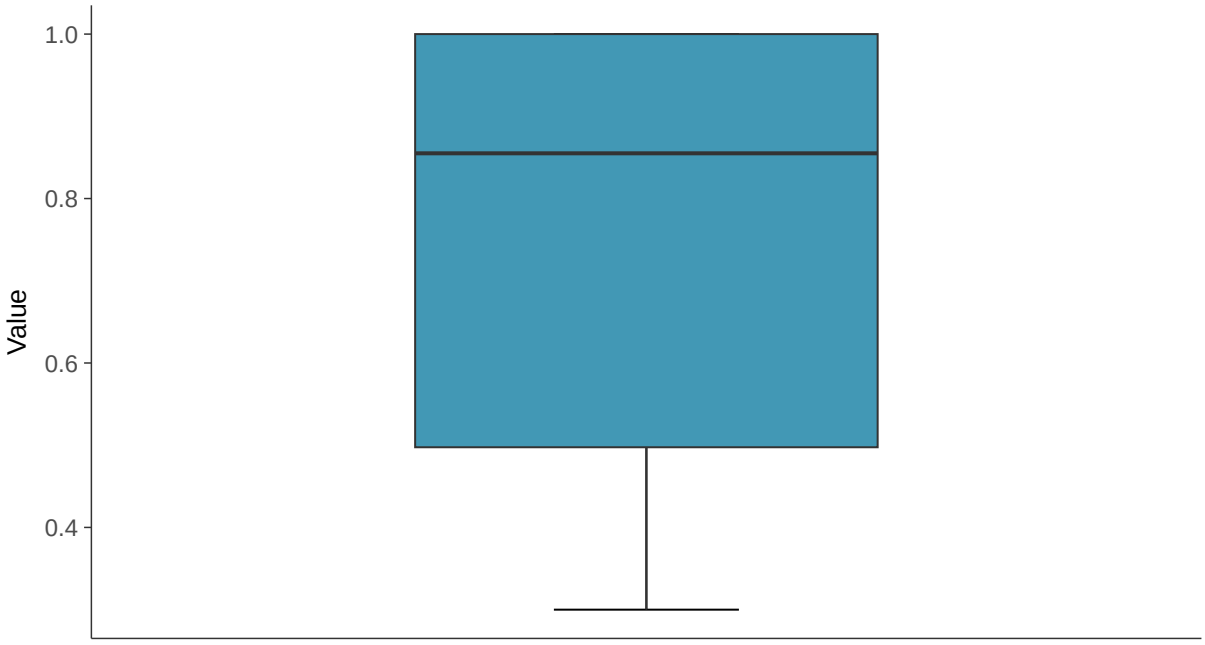
ID: 21_3_113





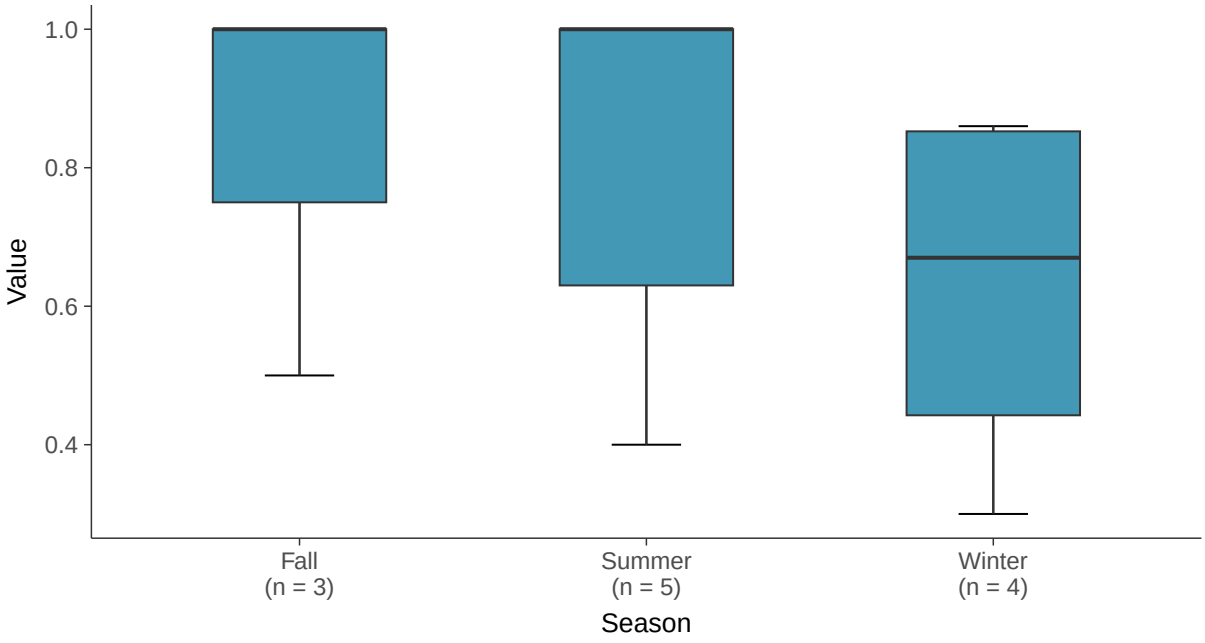
Boxplot

Fluoride (App IV), MW-100D (mg/l)



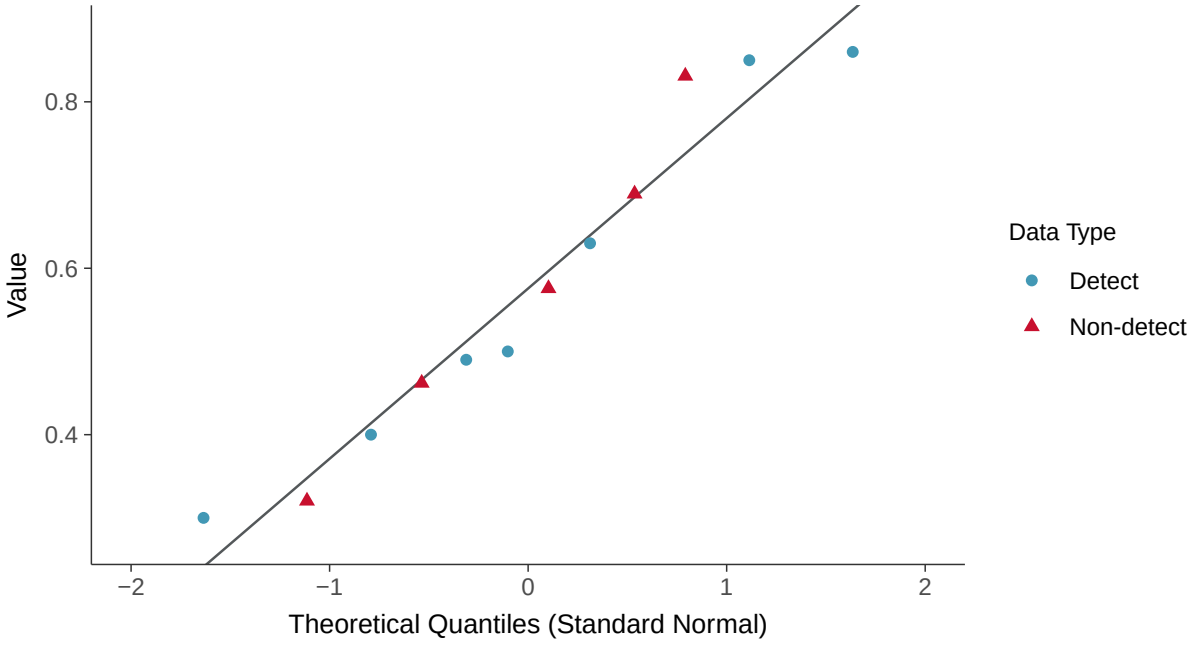
Boxplot by Season

Fluoride (App IV), MW-100D (mg/l)



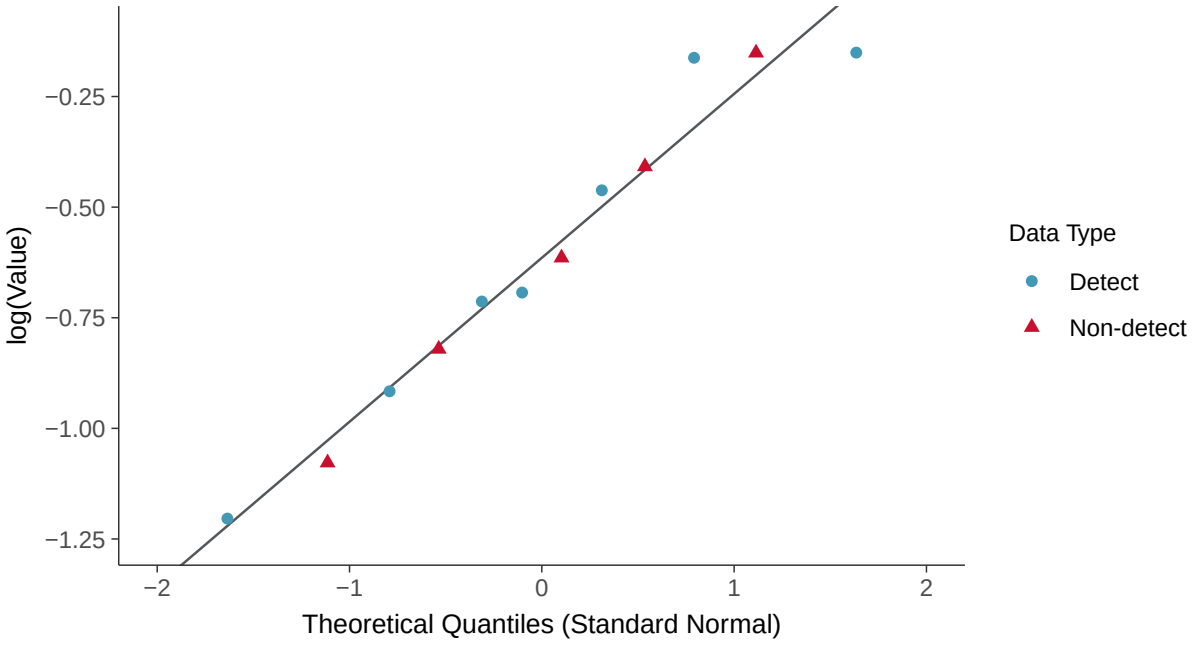
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-100D (mg/l)



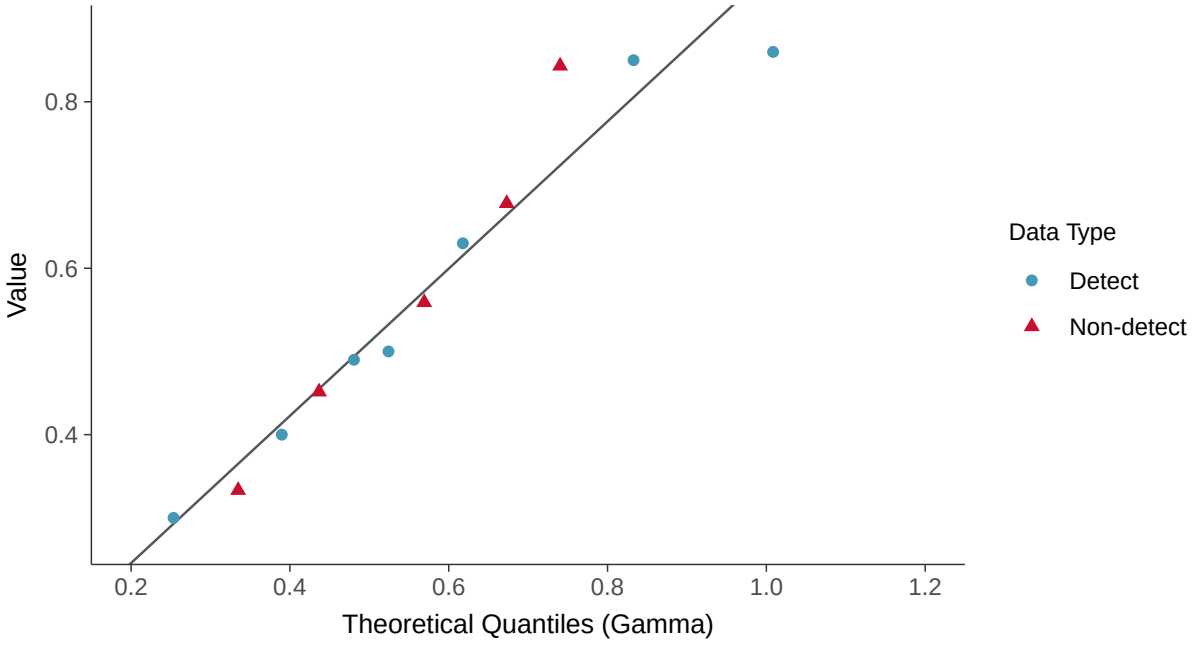
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-100D (mg/l)



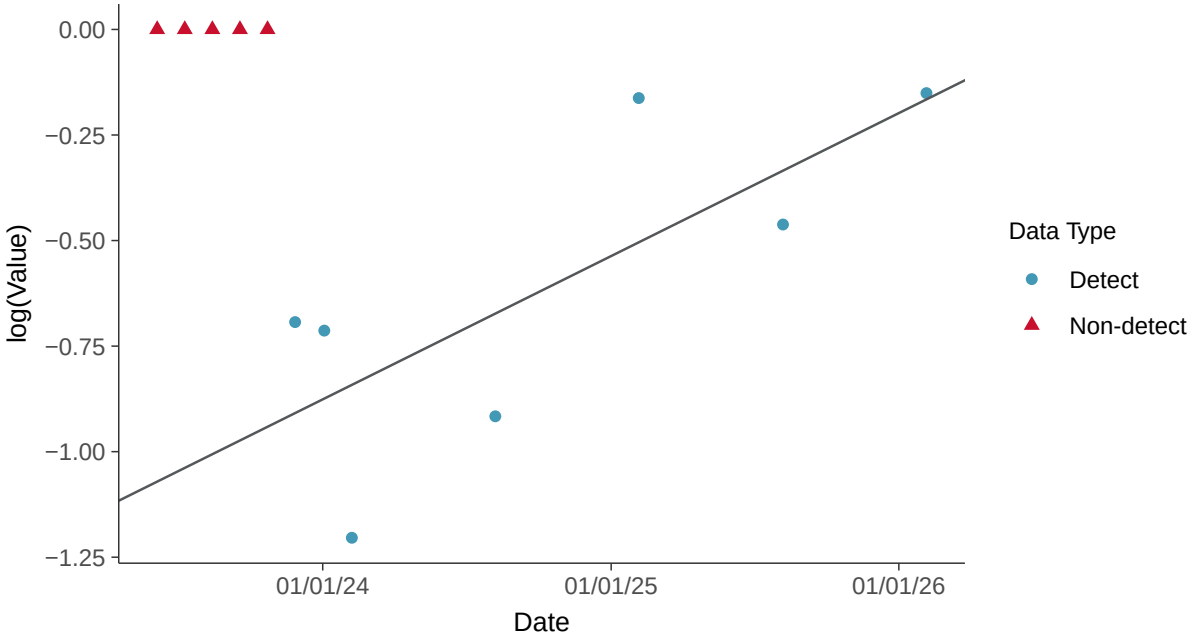
Gamma Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-100D (mg/l)



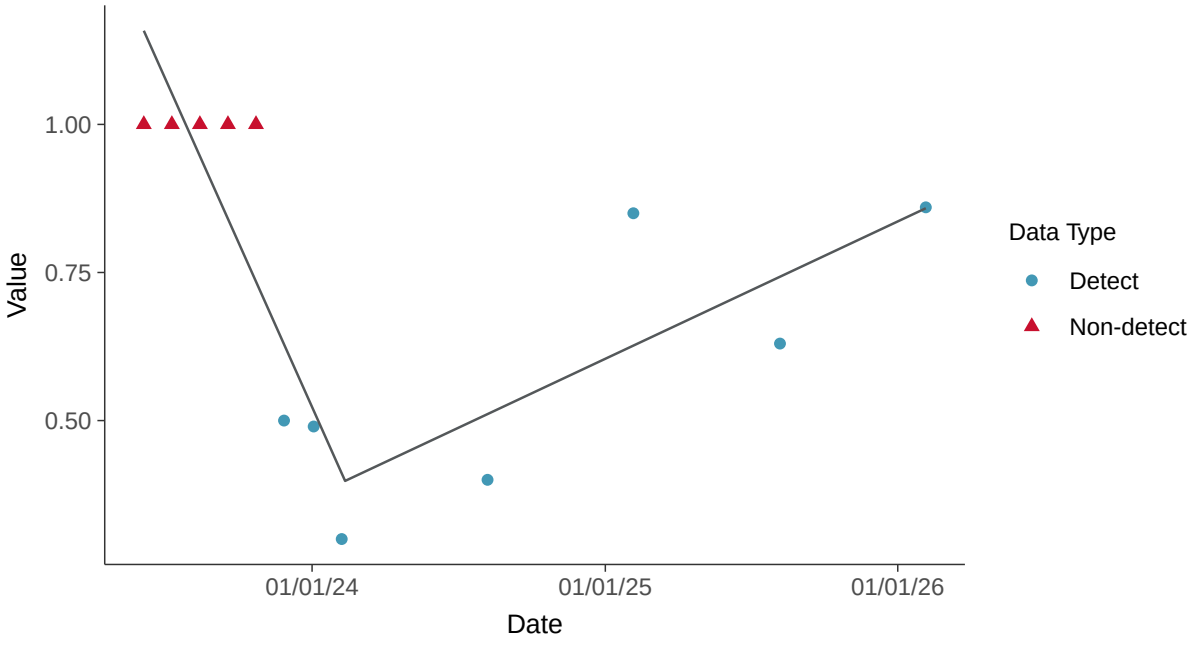
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-100D (mg/l)



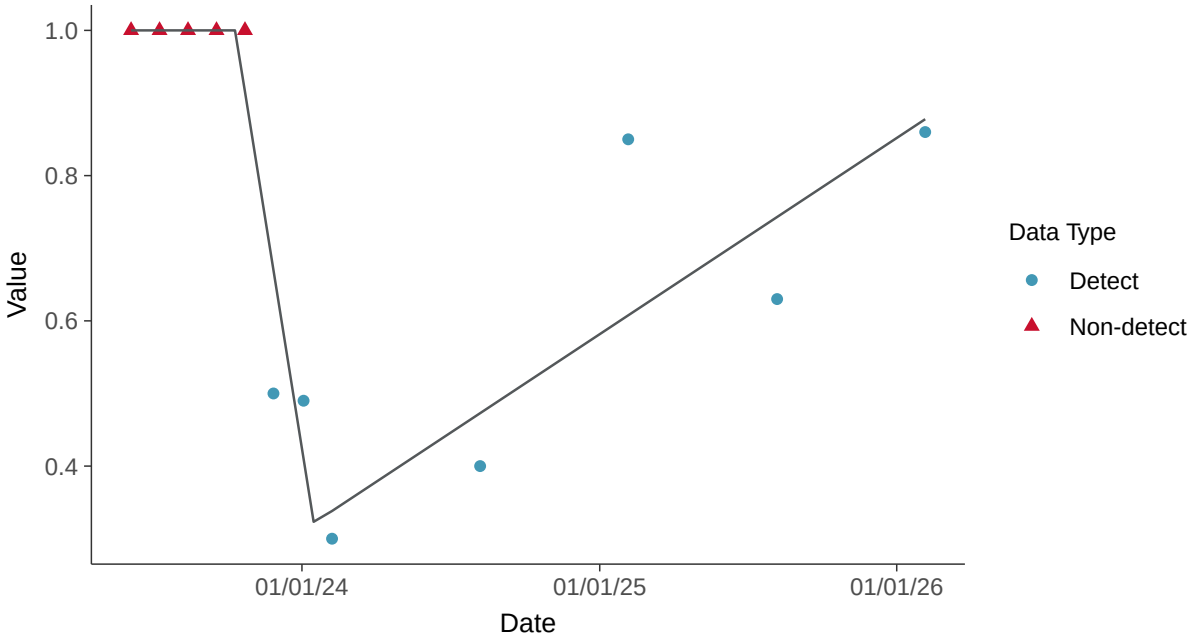
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-100D (mg/l)



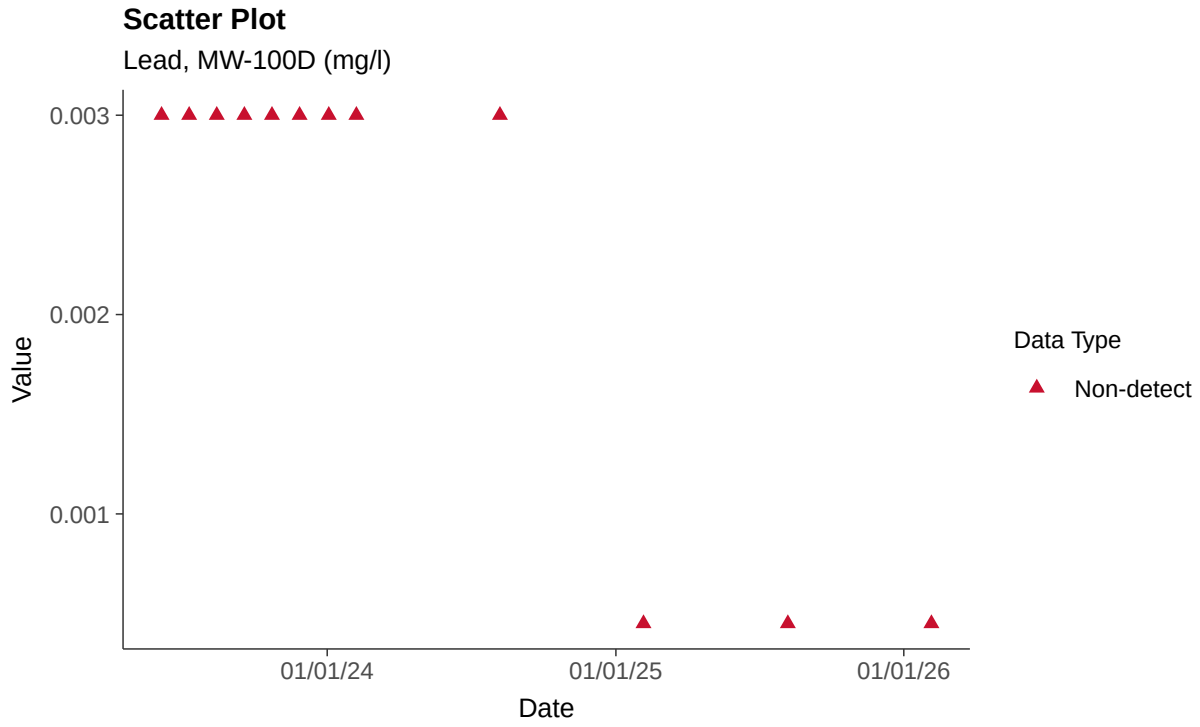
Trend Regression: Piecewise Linear-Linear-Linear

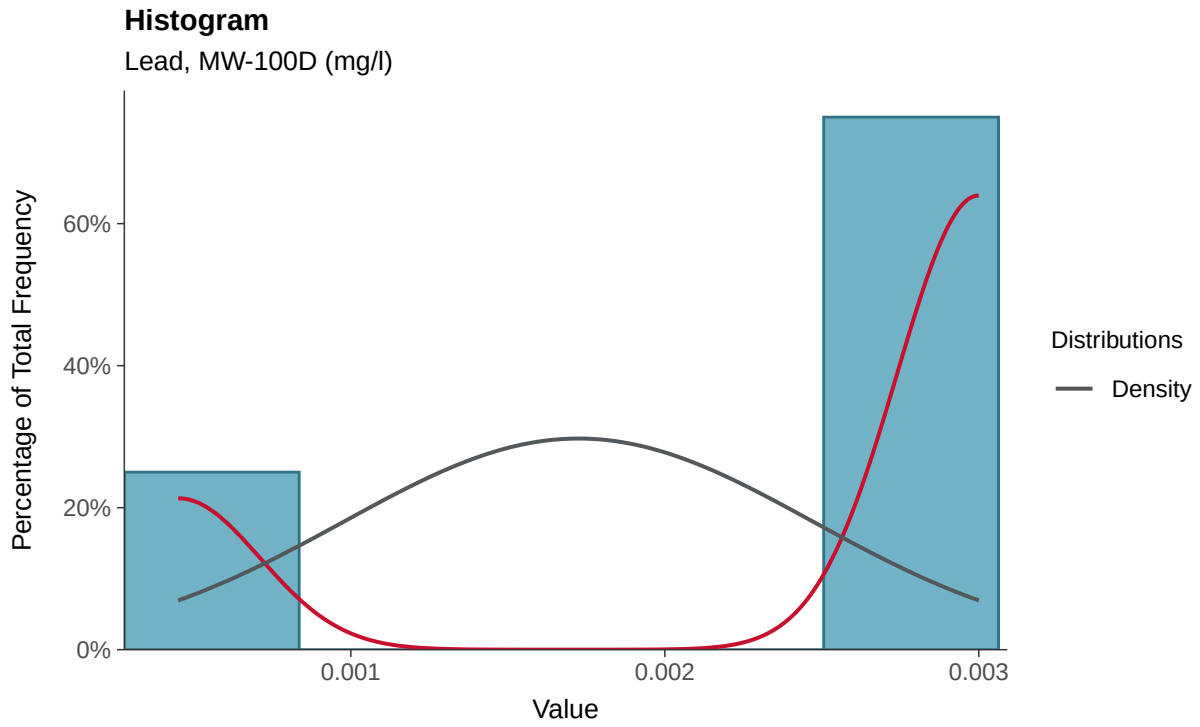
Fluoride (App IV), MW-100D (mg/l)



Appendix IV: Lead, MW-100D

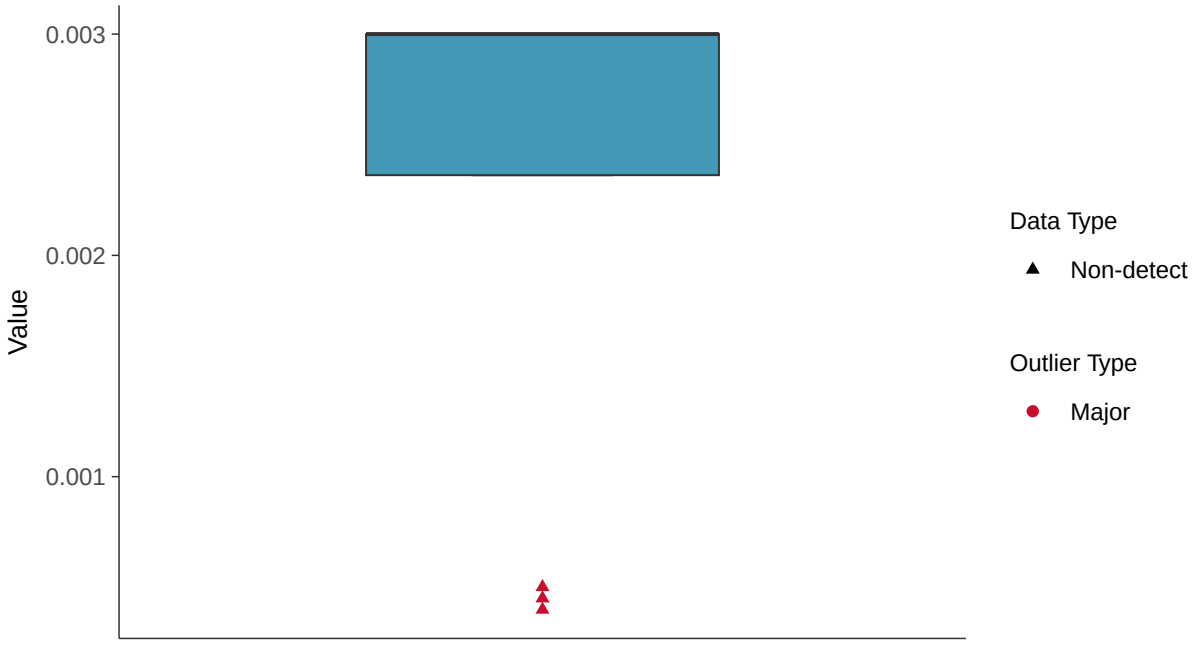
ID: 21_3_115





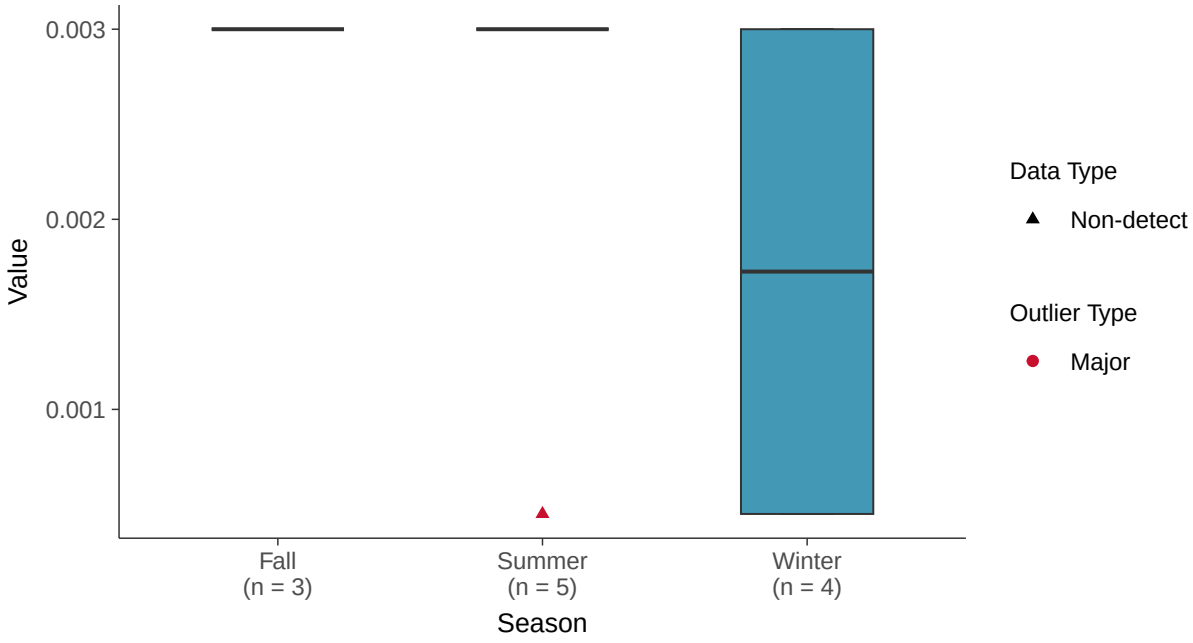
Boxplot

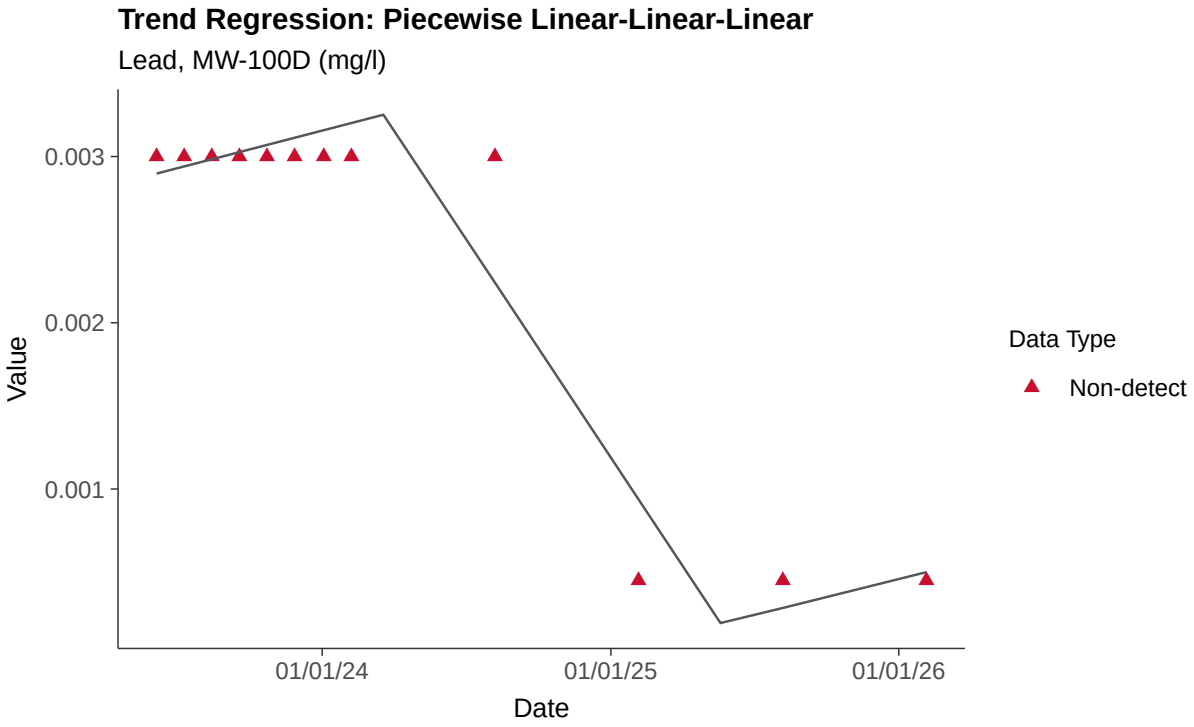
Lead, MW-100D (mg/l)



Boxplot by Season

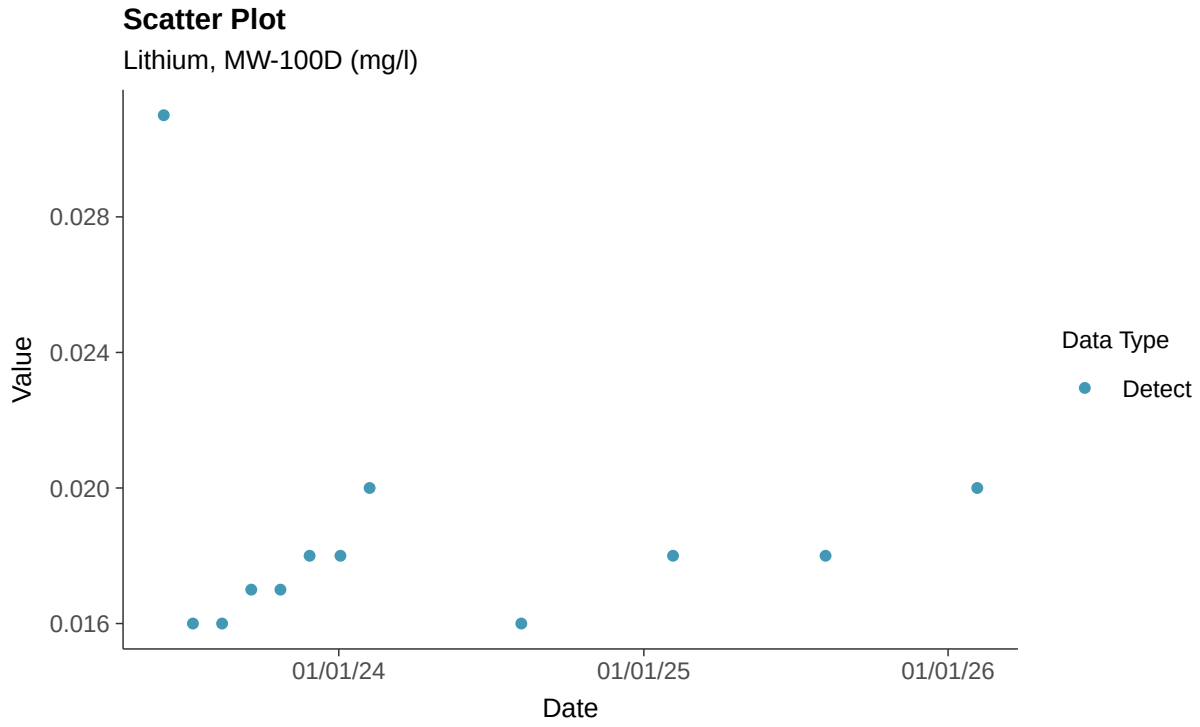
Lead, MW-100D (mg/l)

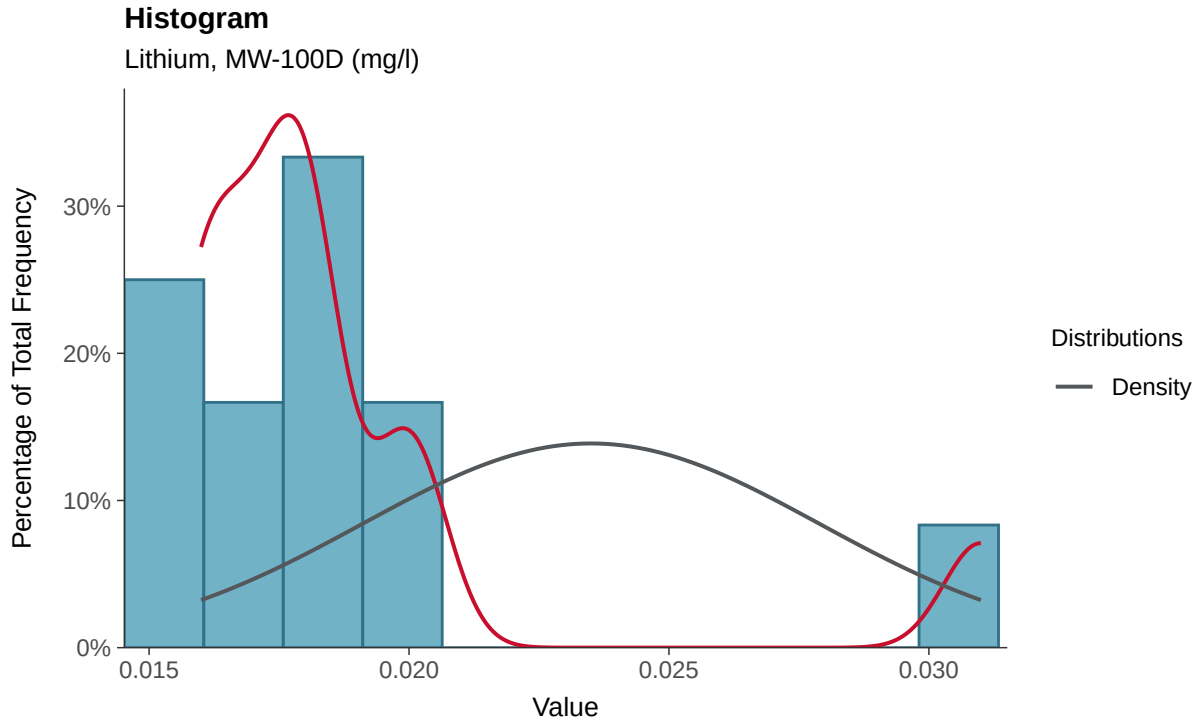



Trend Regression: Piecewise Linear-Linear-Linear
Lead, MW-100D (mg/l)
0.003
0.002
0.001
Value
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Lithium, MW-100D

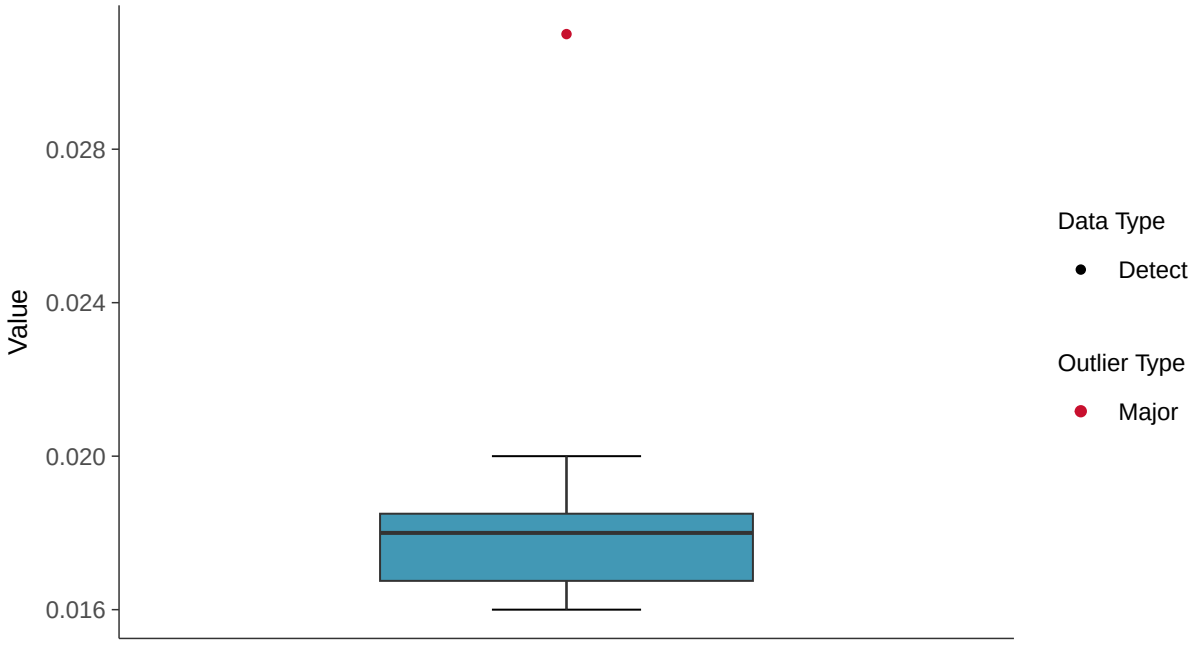
ID: 21_3_116





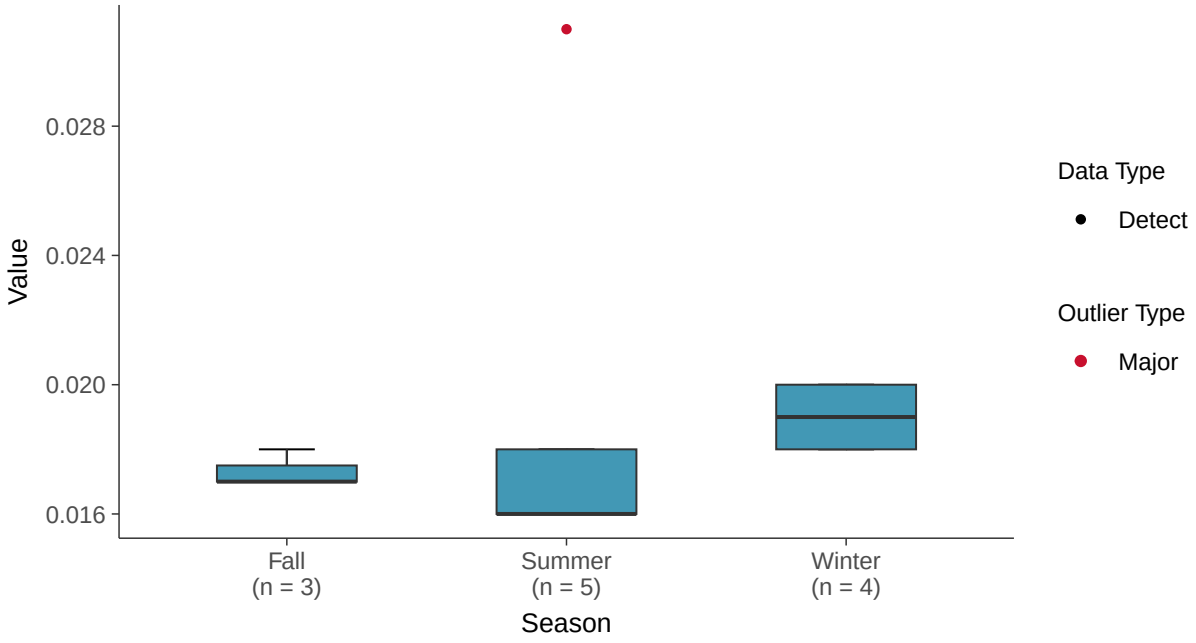
Boxplot

Lithium, MW-100D (mg/l)



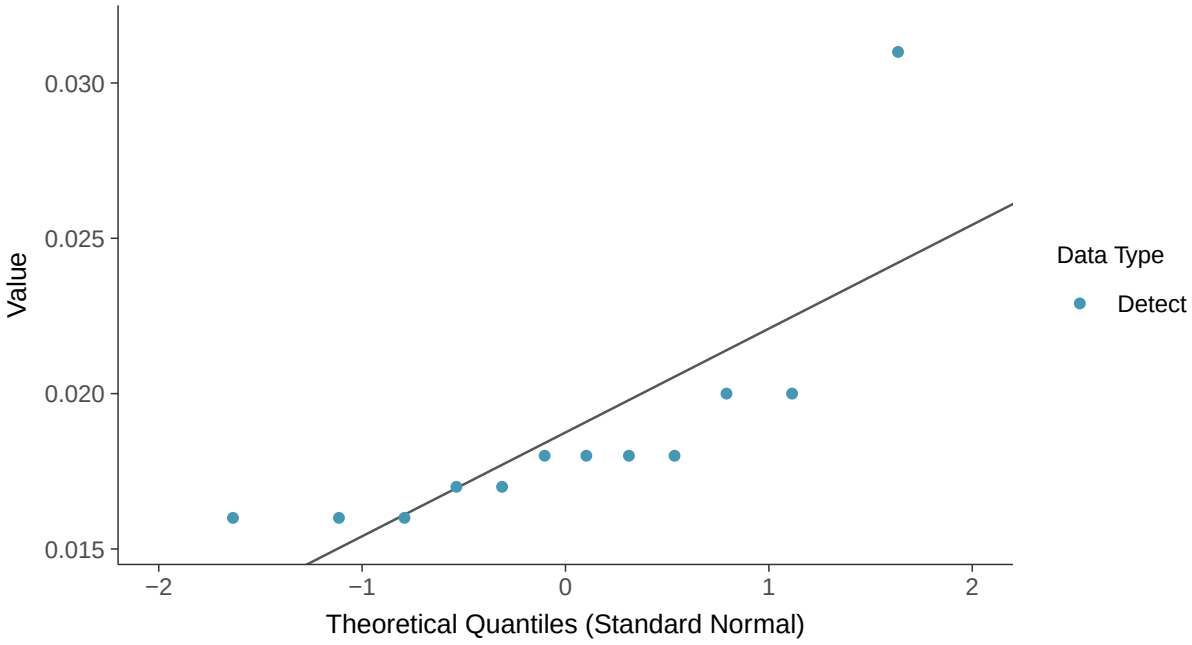
Boxplot by Season

Lithium, MW-100D (mg/l)



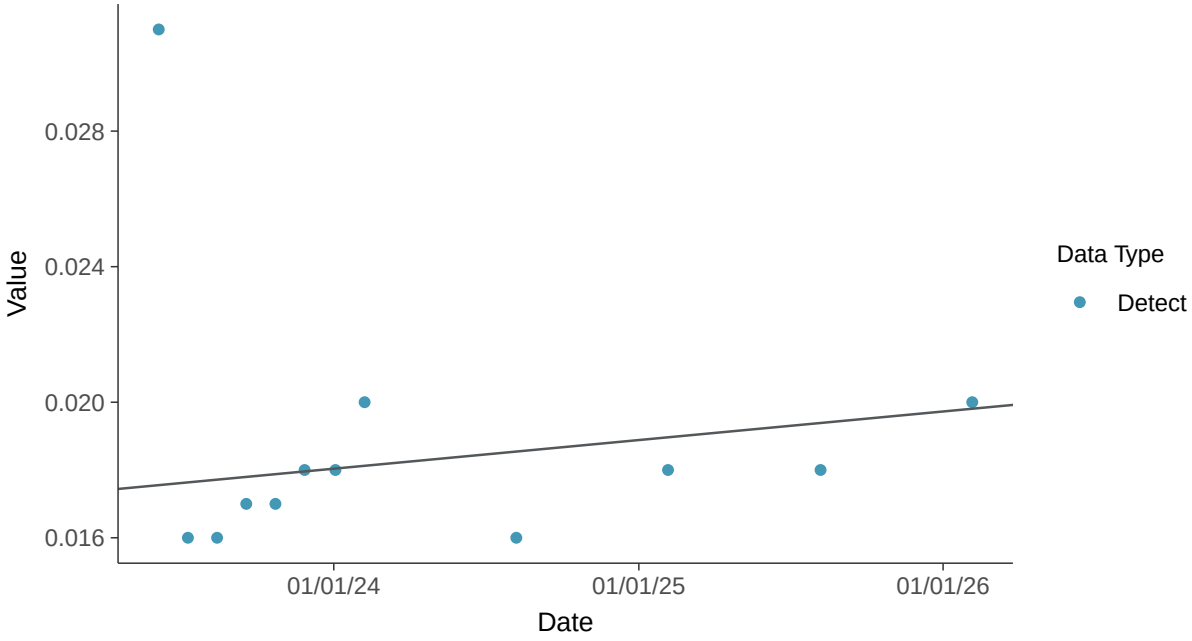
Normal Q-Q plot

Lithium, MW-100D (mg/l)



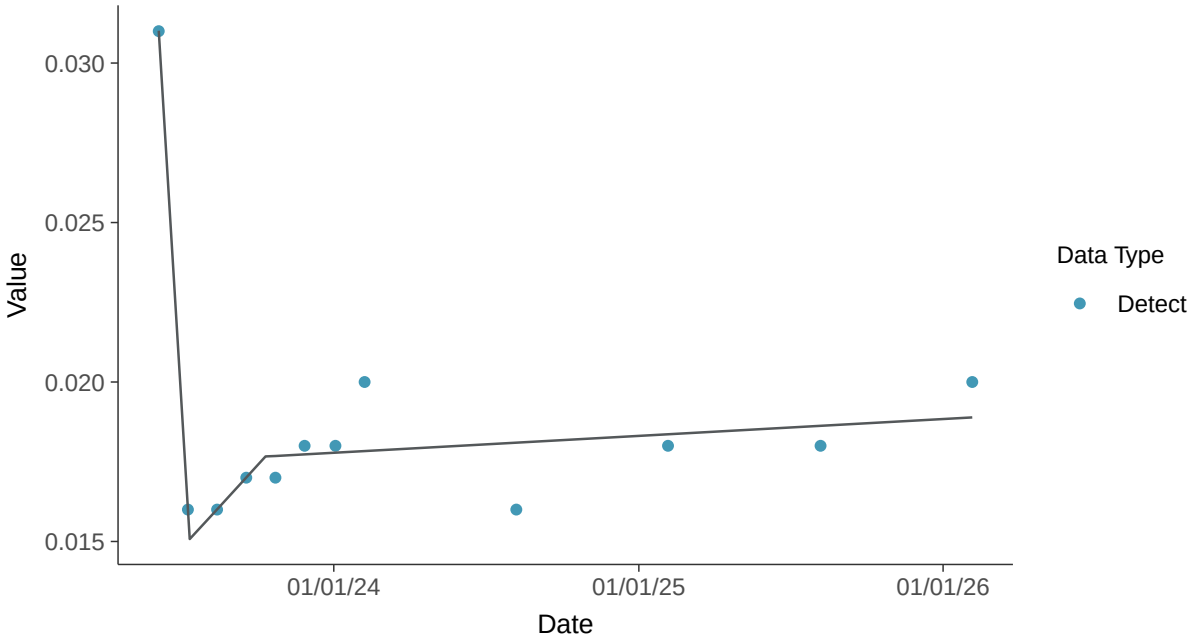
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Lithium, MW-100D (mg/l)



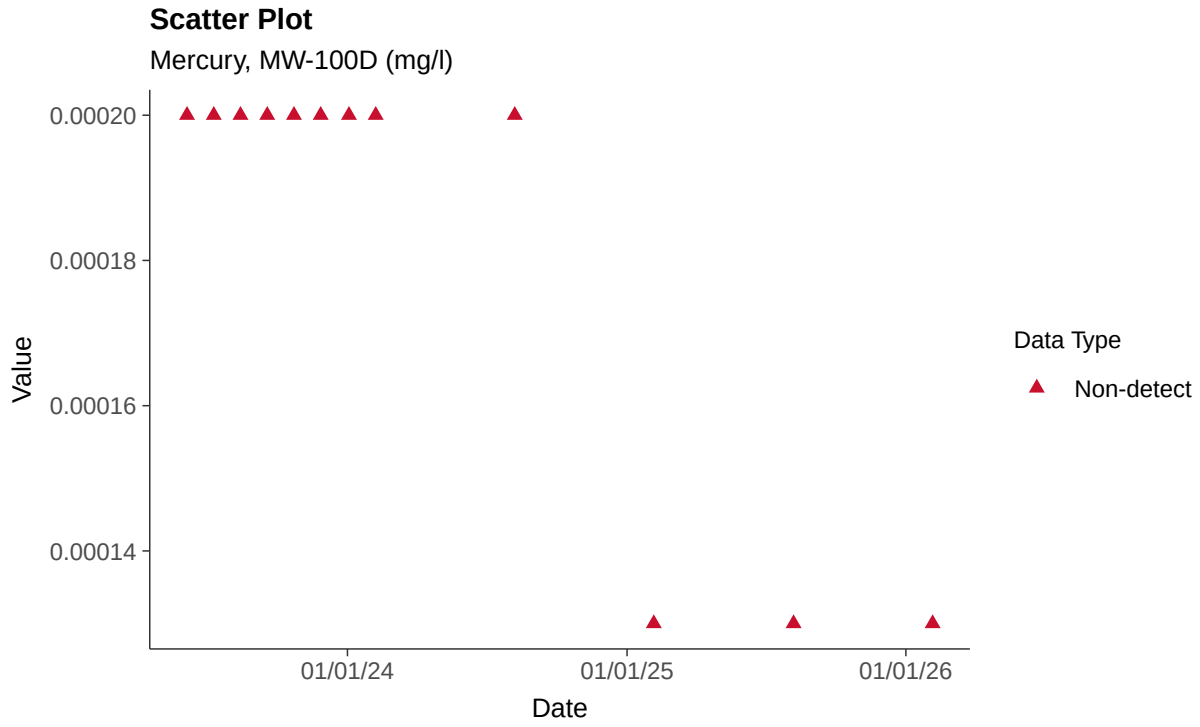
Trend Regression: Piecewise Linear-Linear-Linear

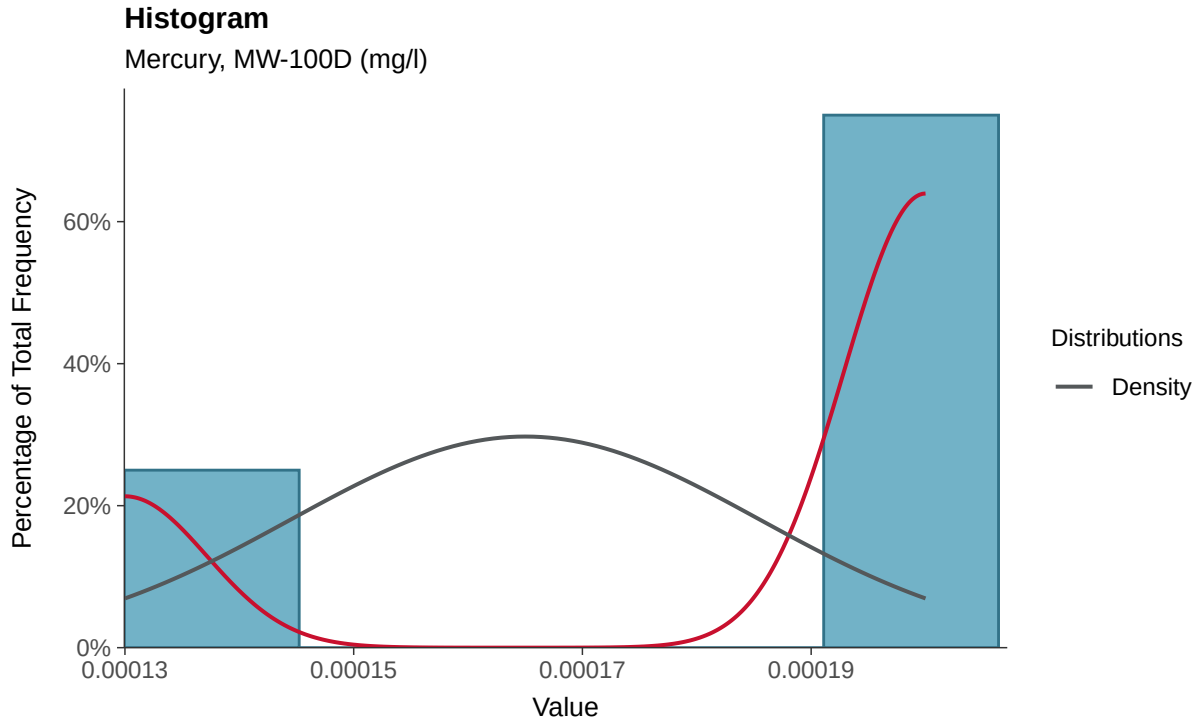
Lithium, MW-100D (mg/l)



Appendix IV: Mercury, MW-100D

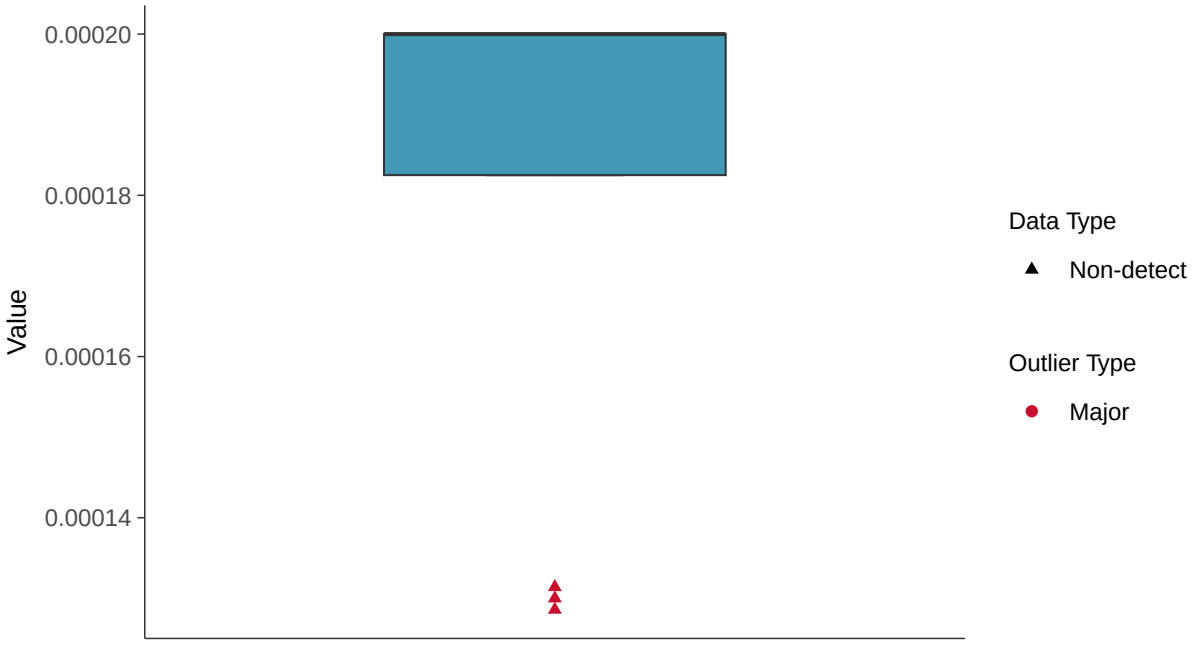
ID: 21_3_117





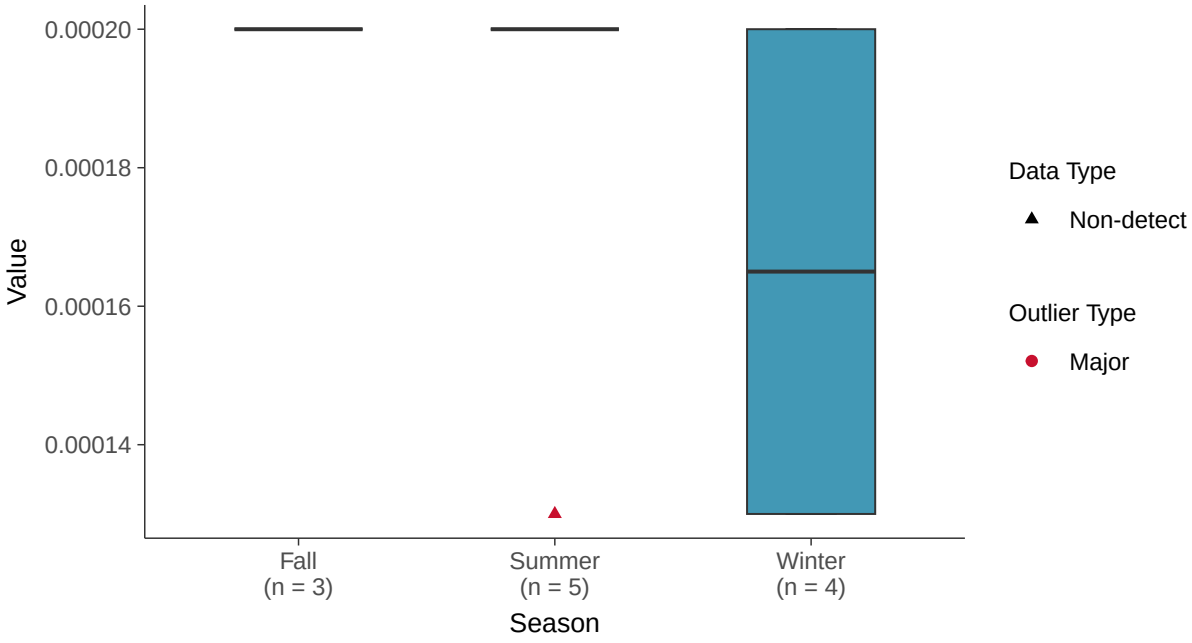
Boxplot

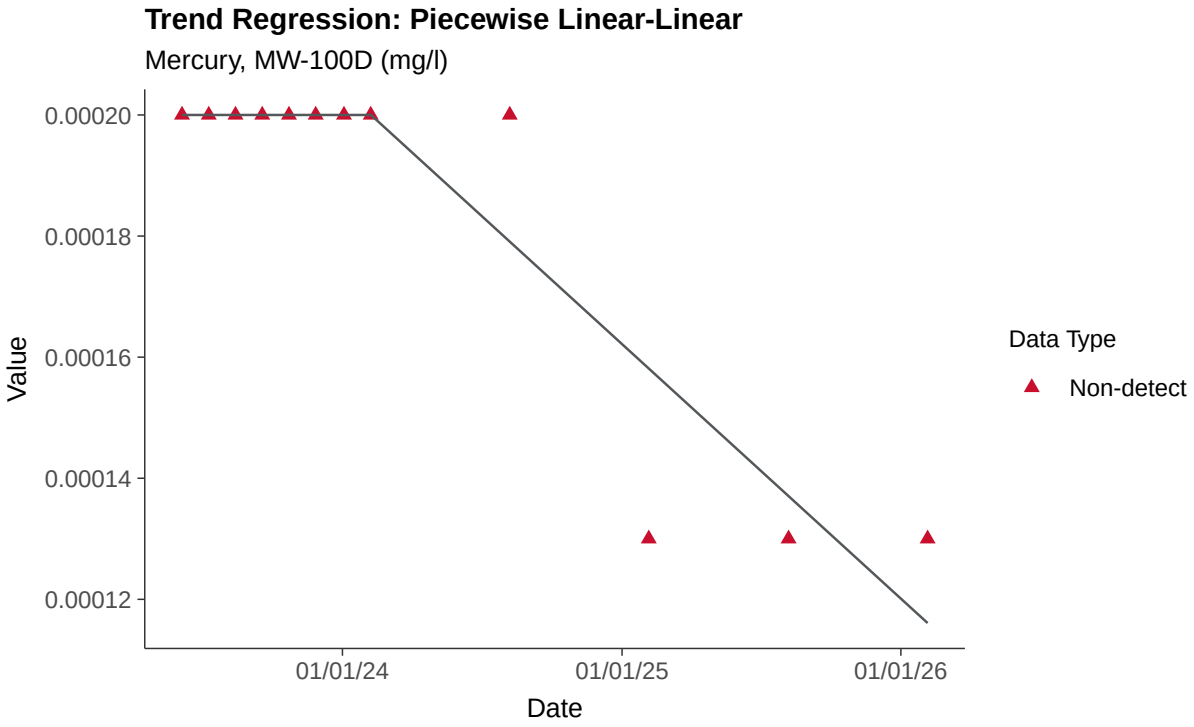
Mercury, MW-100D (mg/l)



Boxplot by Season

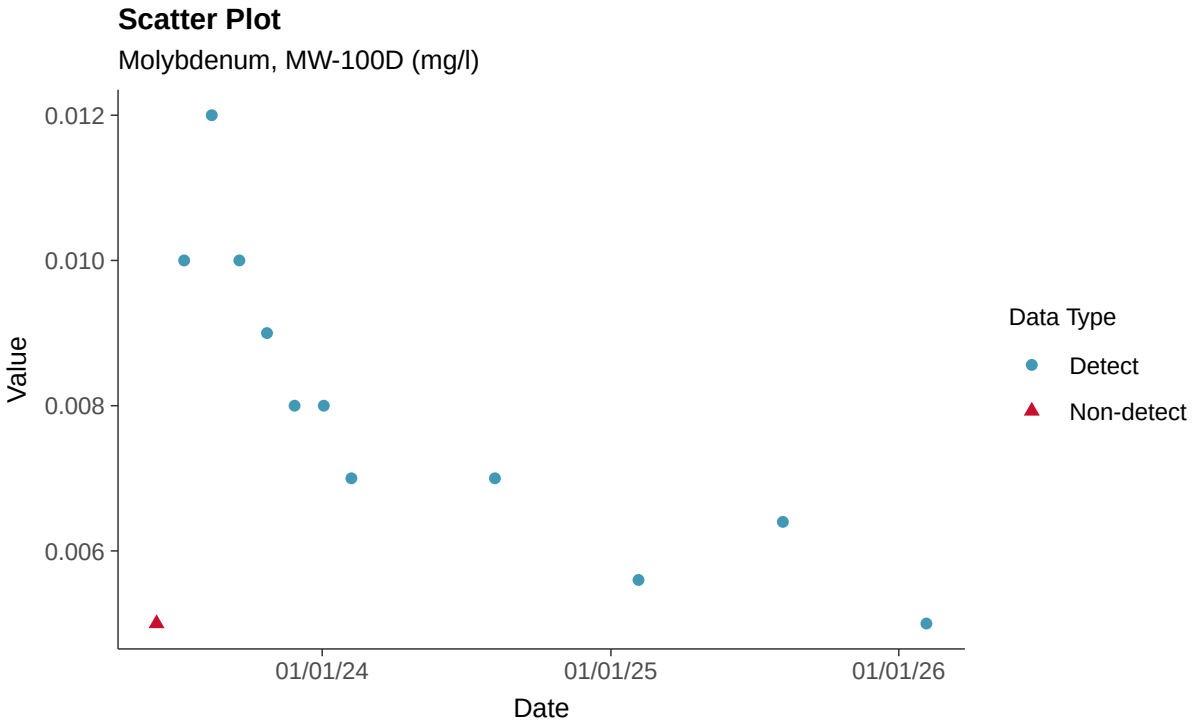
Mercury, MW-100D (mg/l)

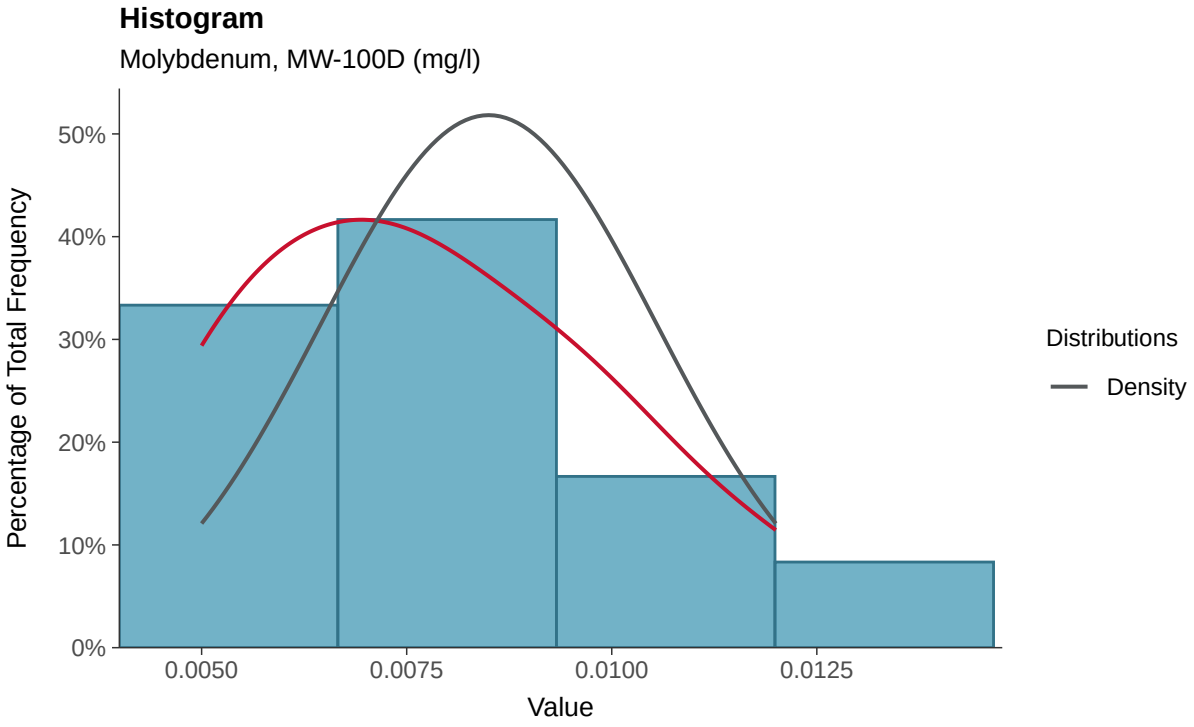



Trend Regression: Piecewise Linear-Linear
Mercury, MW-100D (mg/l)
Value
0.00020
0.00018
0.00016
0.00014
0.00012
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Molybdenum, MW-100D

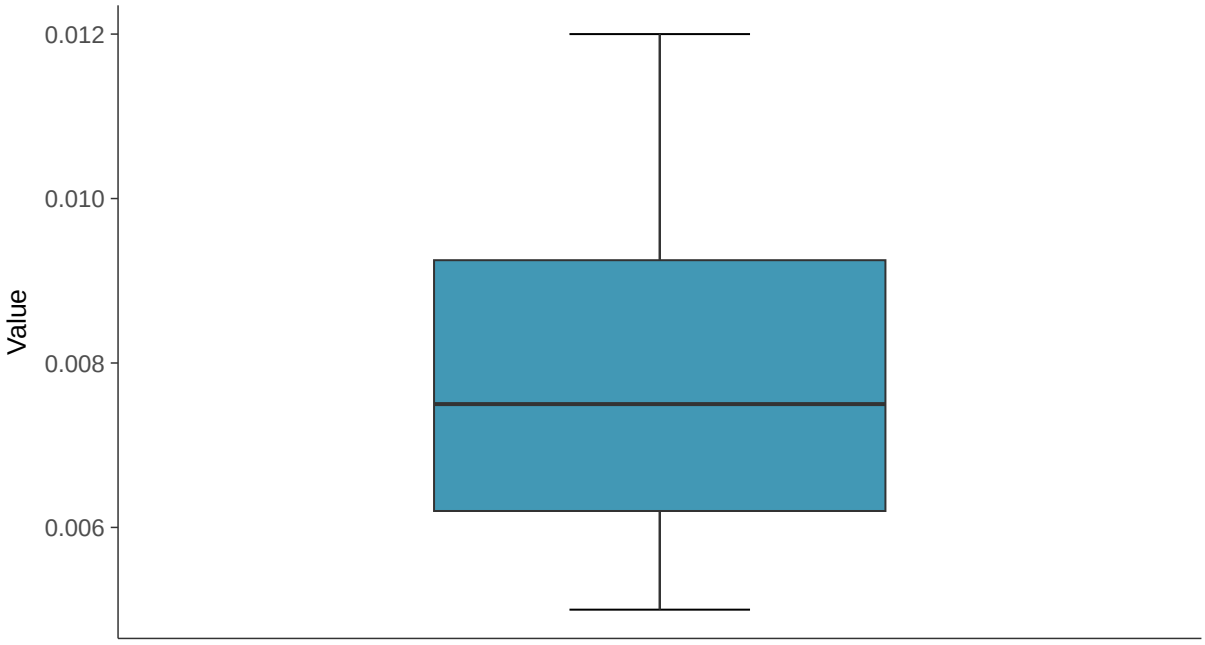
ID: 21_3_118





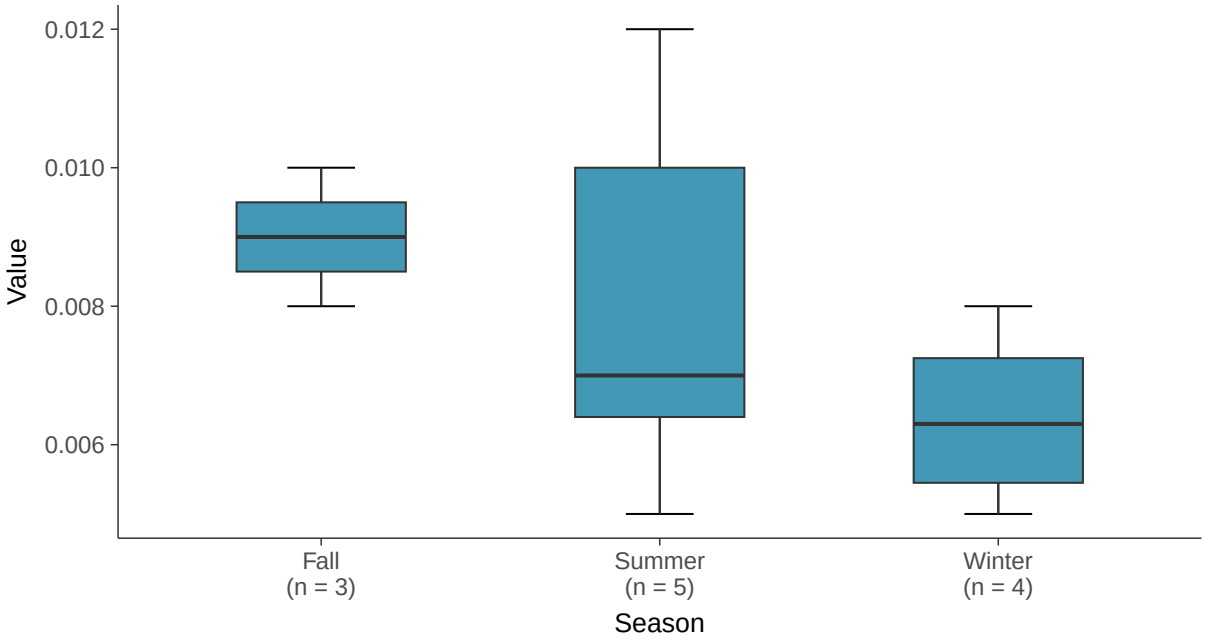
Boxplot

Molybdenum, MW-100D (mg/l)



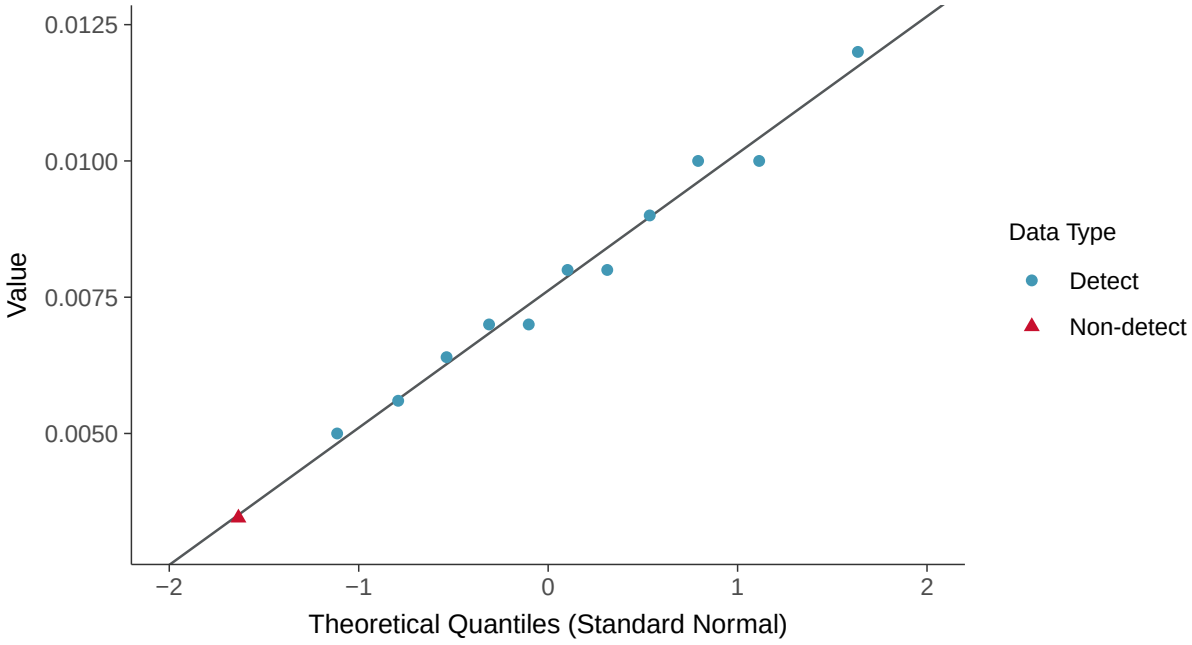
Boxplot by Season

Molybdenum, MW-100D (mg/l)



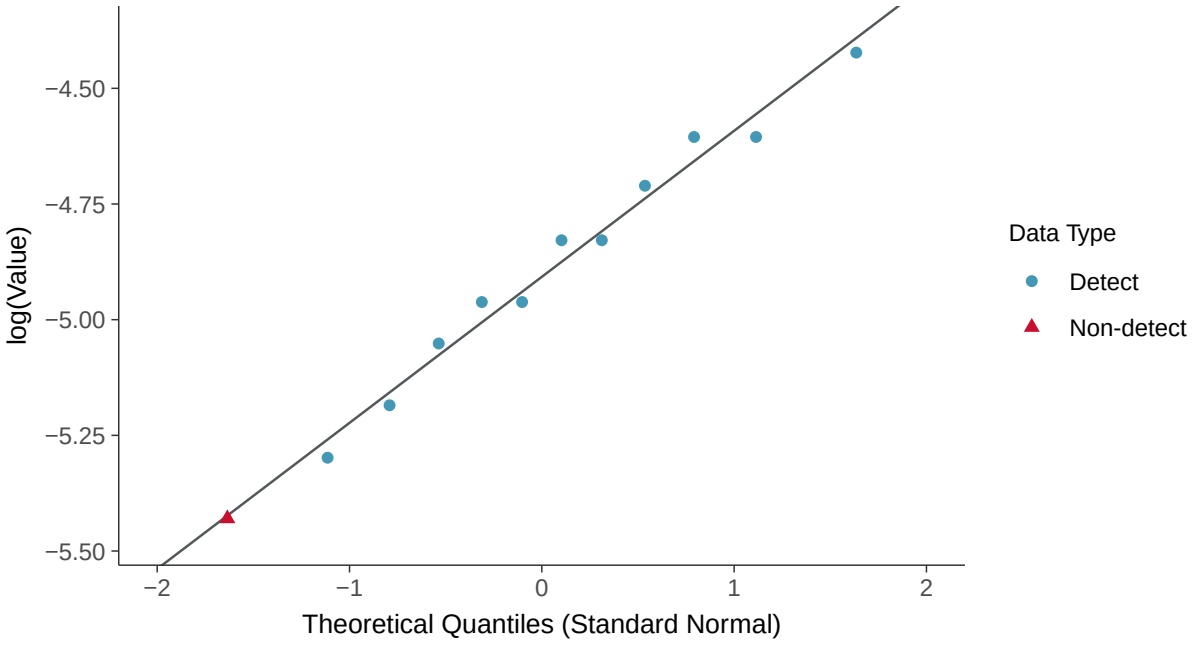
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-100D (mg/l)



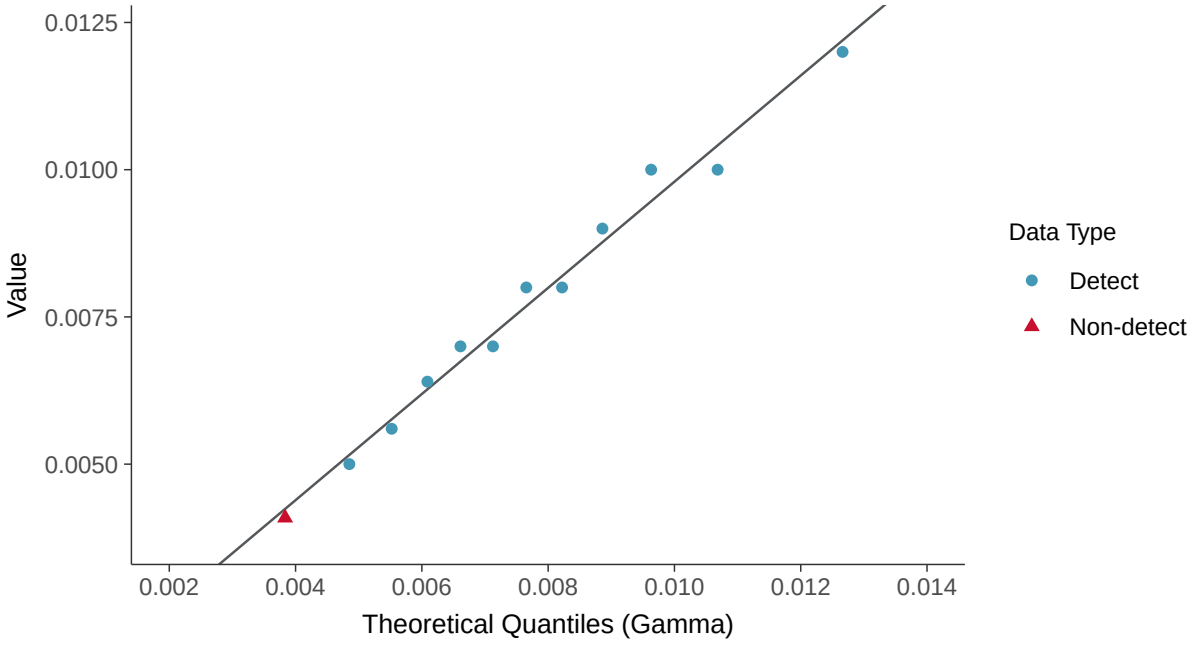
Lognormal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-100D (mg/l)



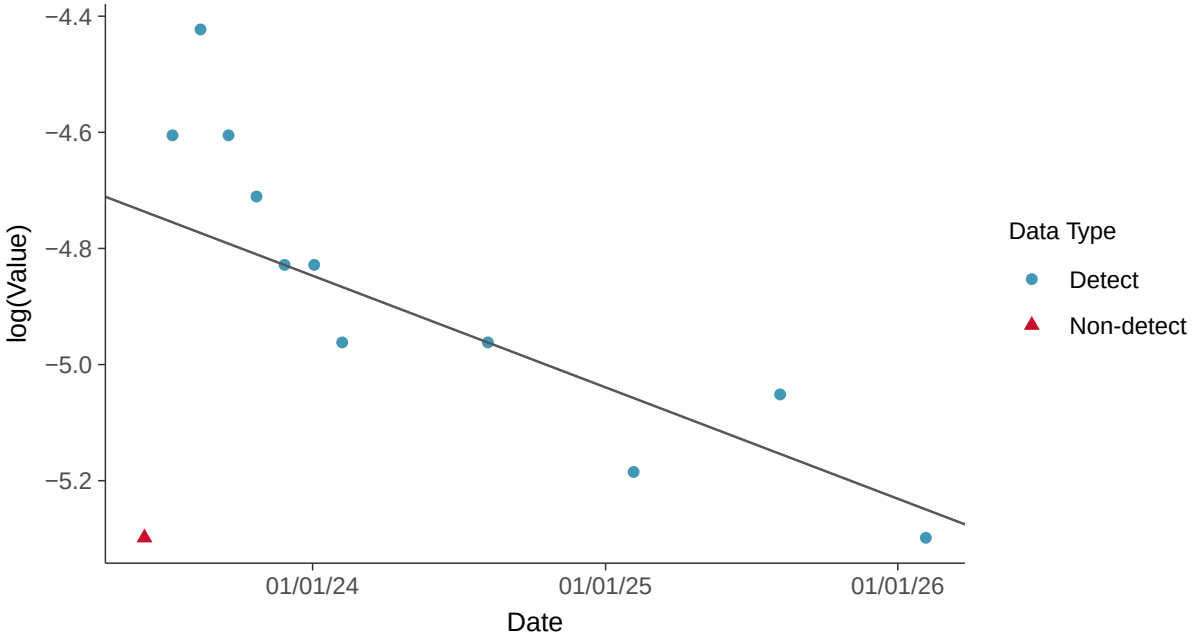
Gamma Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-100D (mg/l)



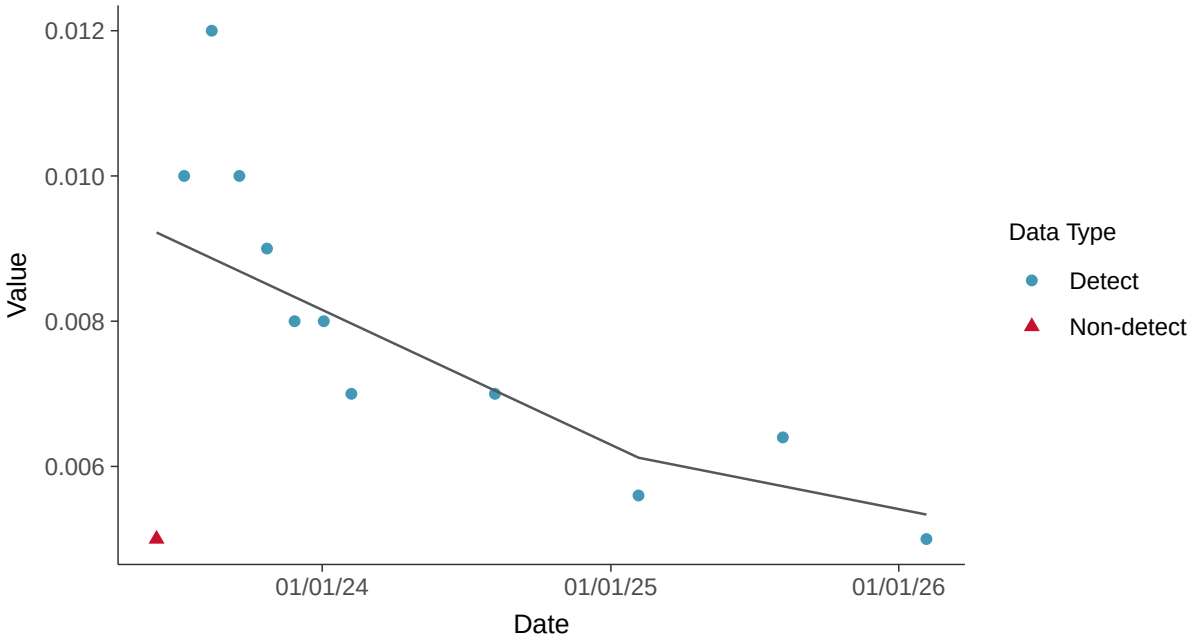
Trend Regression: Lognormal MLE

Molybdenum, MW-100D (mg/l)



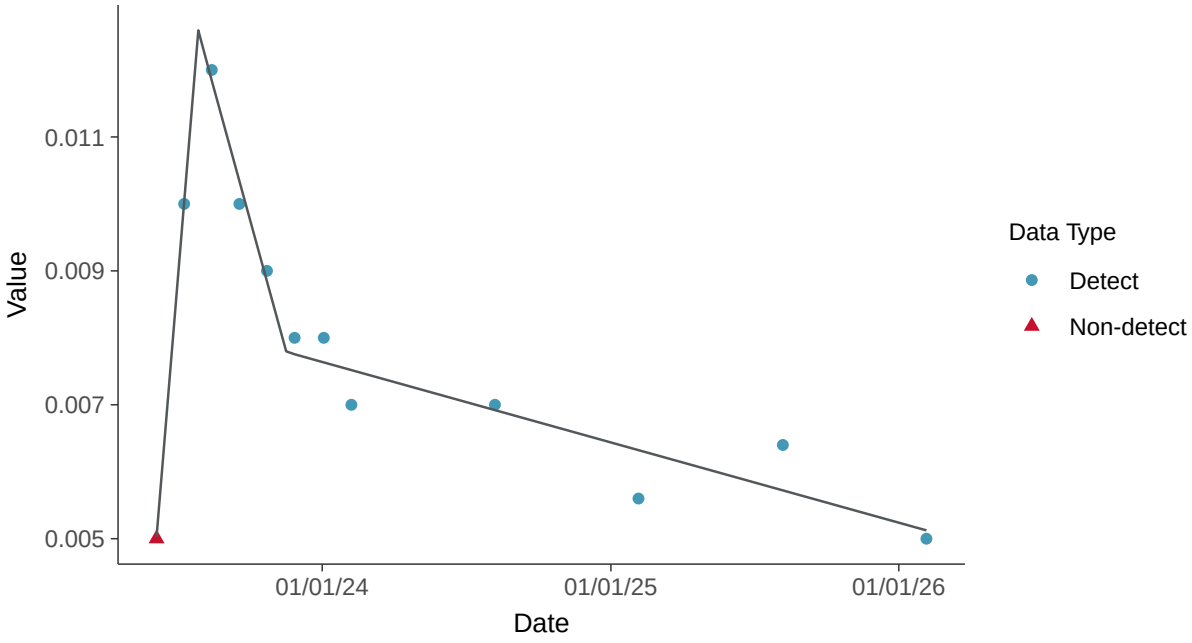
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-100D (mg/l)



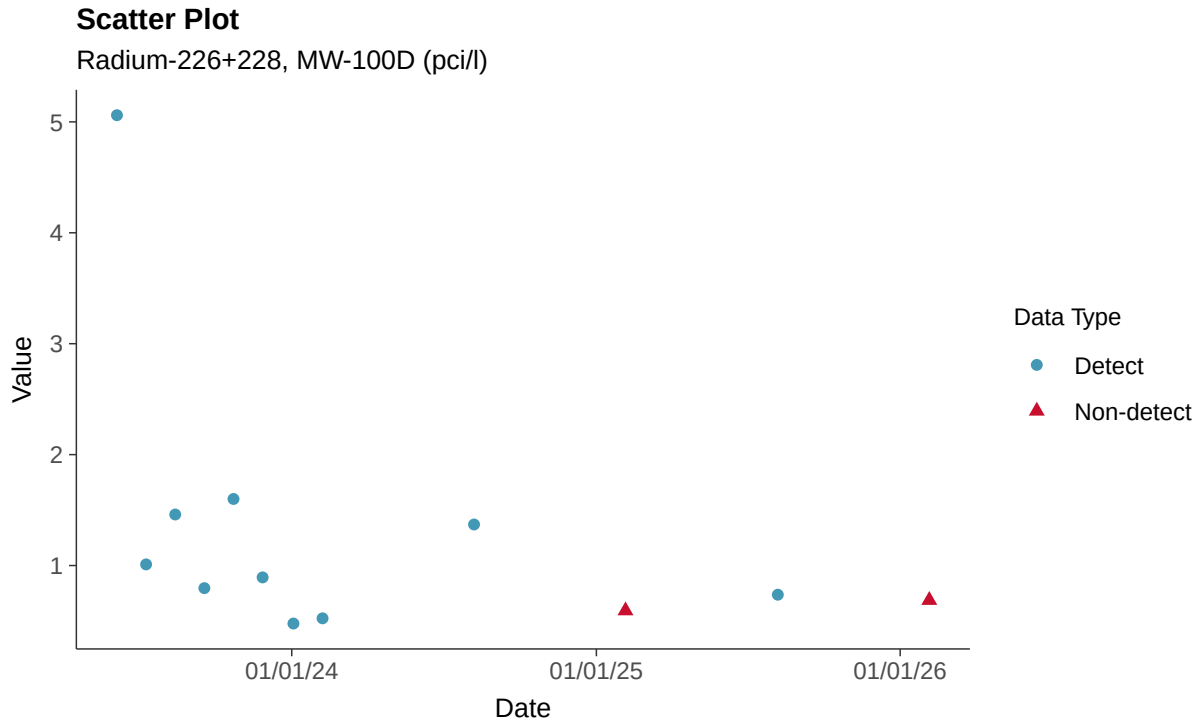
Trend Regression: Piecewise Linear-Linear-Linear

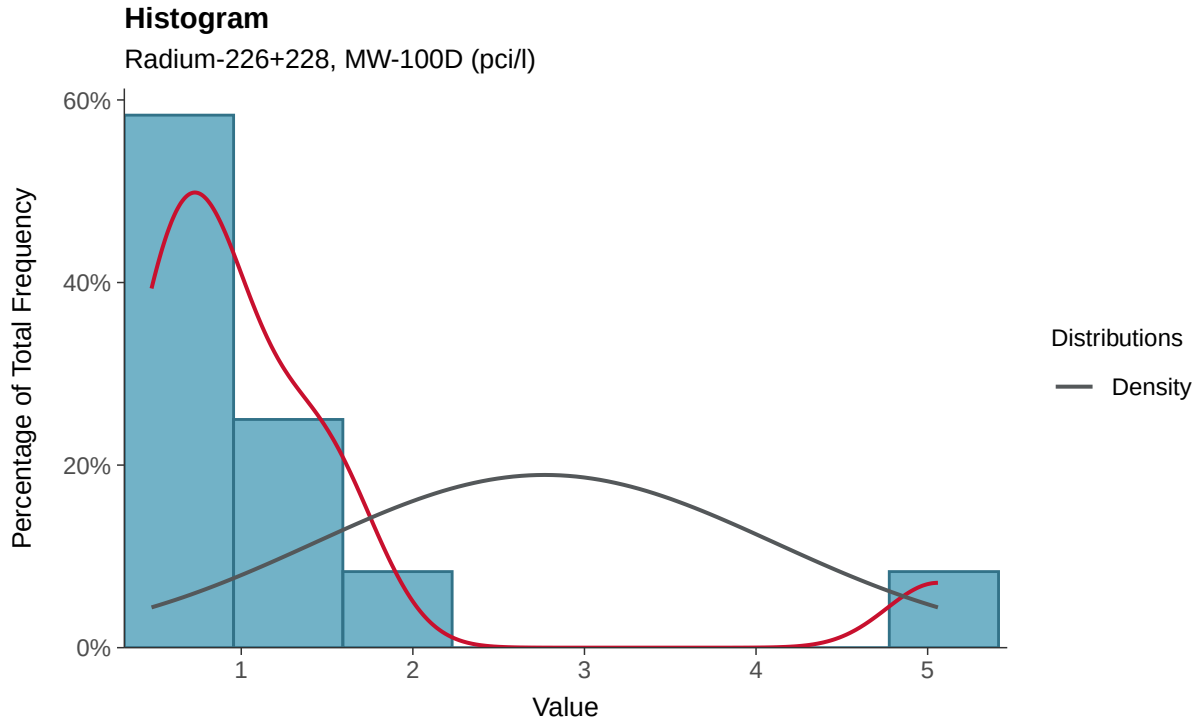
Molybdenum, MW-100D (mg/l)



Appendix IV: Radium-226+228, MW-100D

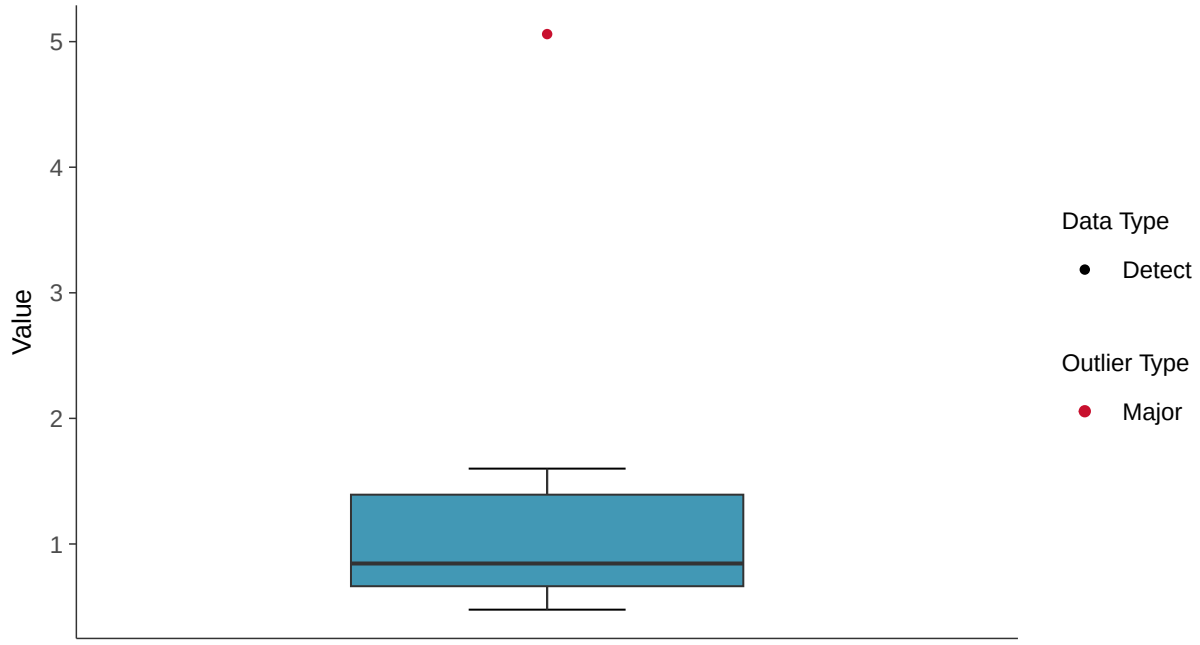
ID: 21_3_121





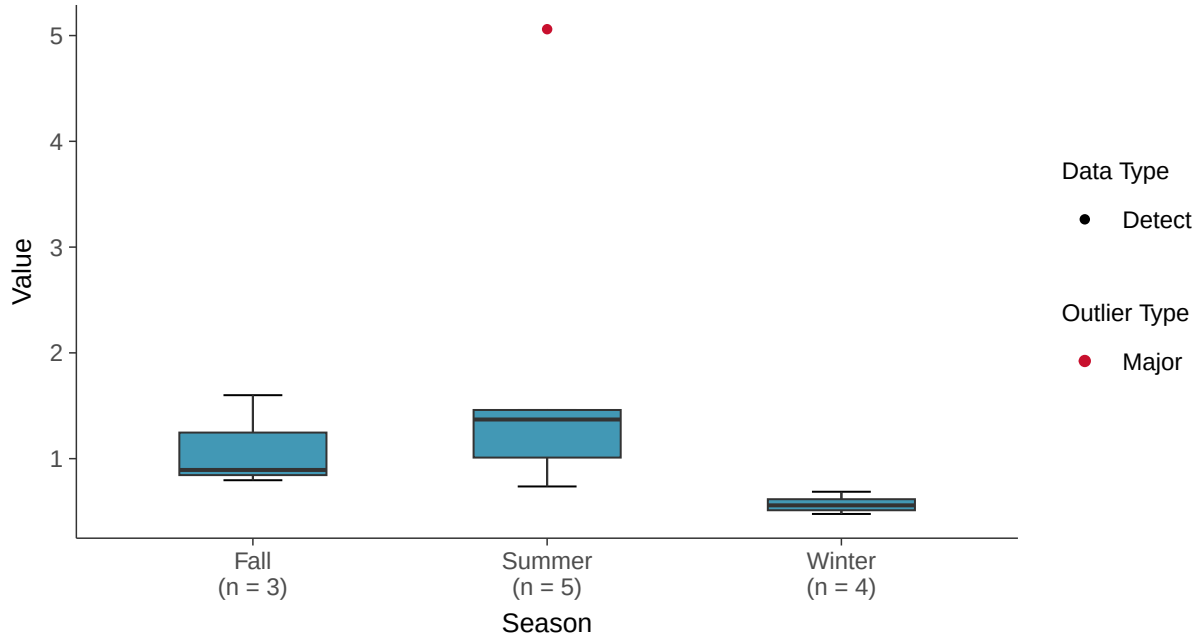
Boxplot

Radium-226+228, MW-100D (pci/l)



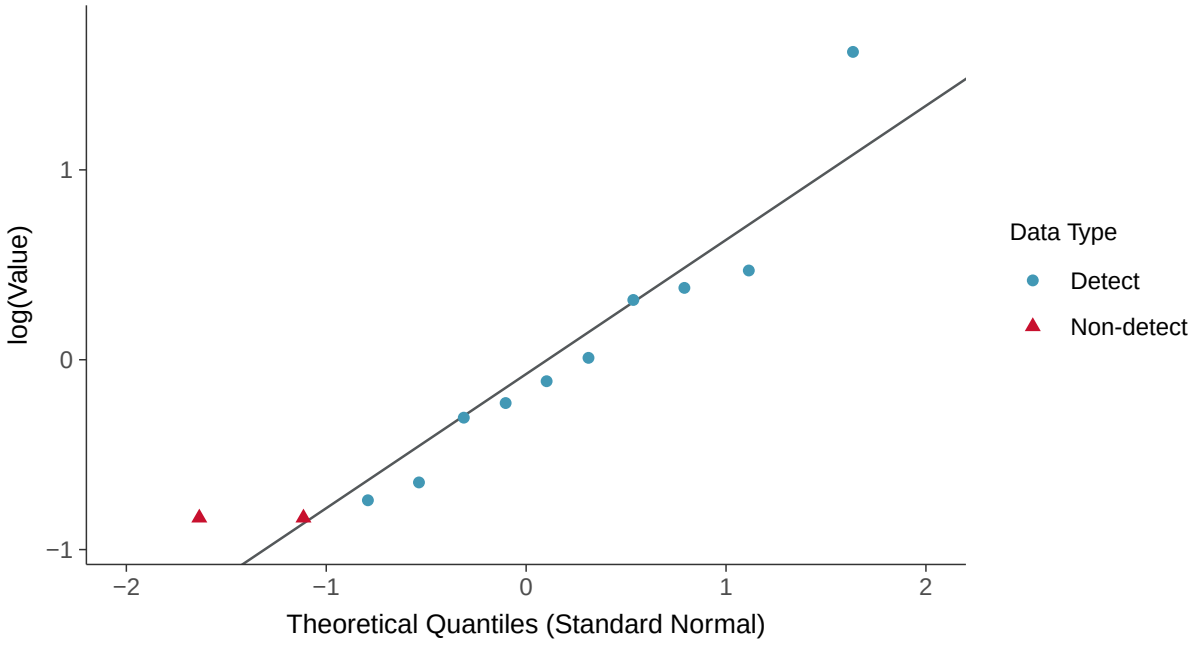
Boxplot by Season

Radium-226+228, MW-100D (pci/l)



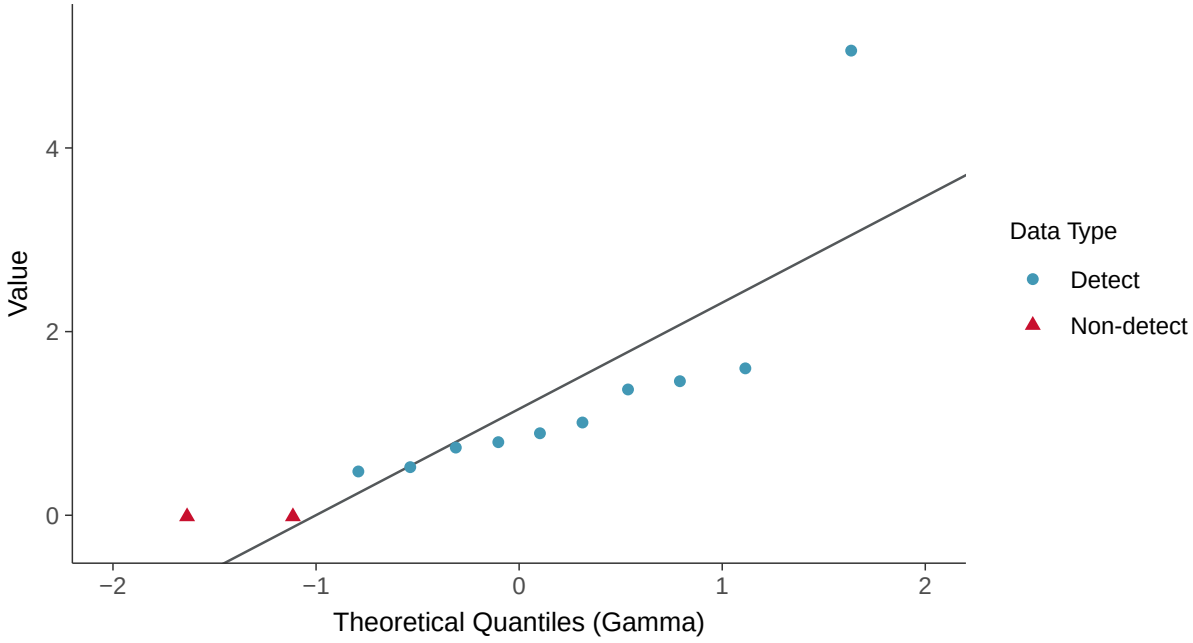
Lognormal Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-100D (pci/l)



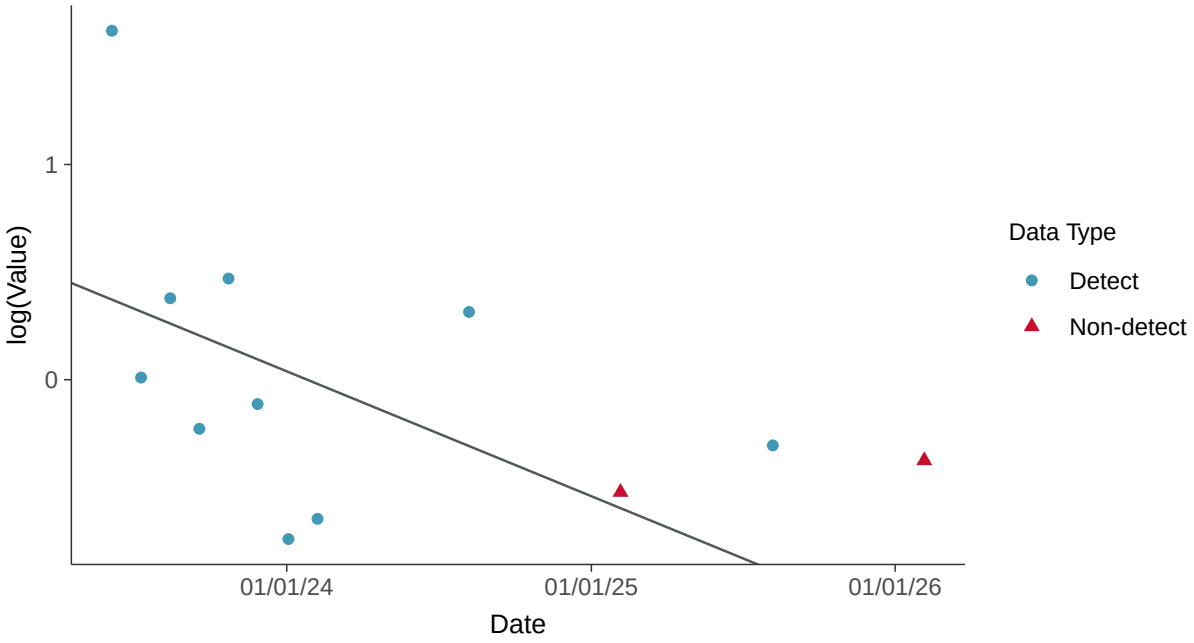
Gamma Q-Q plot using ROS Imputed Estimates

Radium-226+228, MW-100D (pci/l)



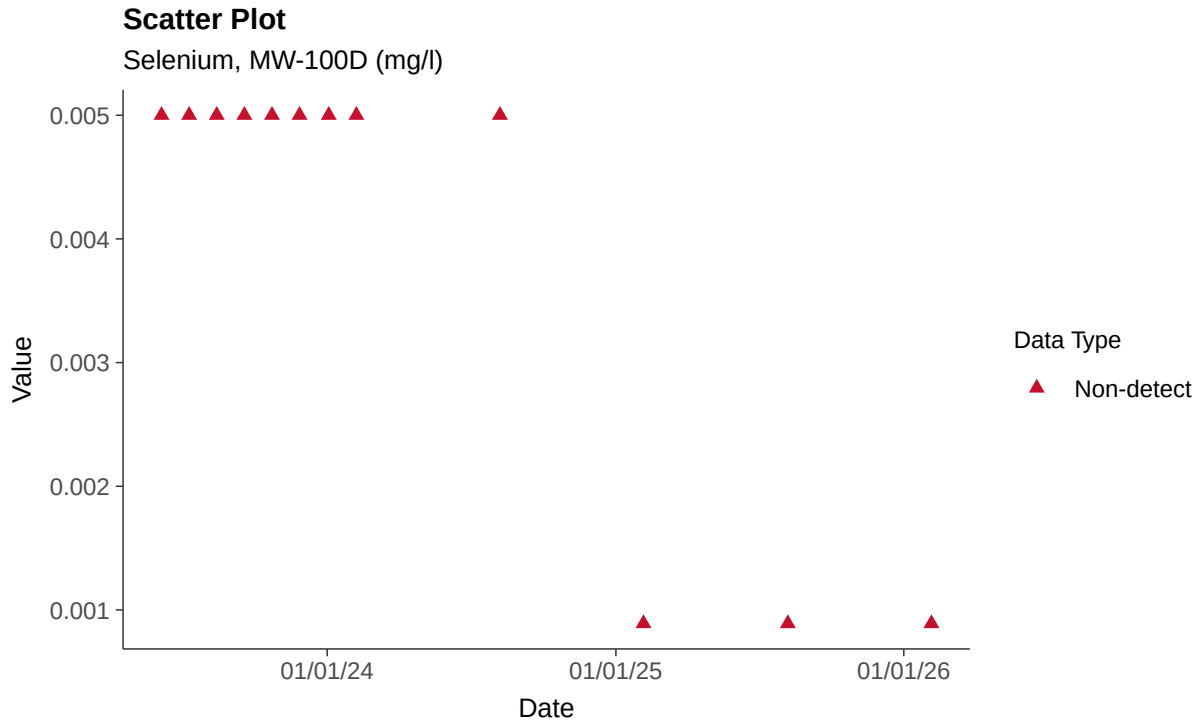
Trend Regression: Lognormal MLE

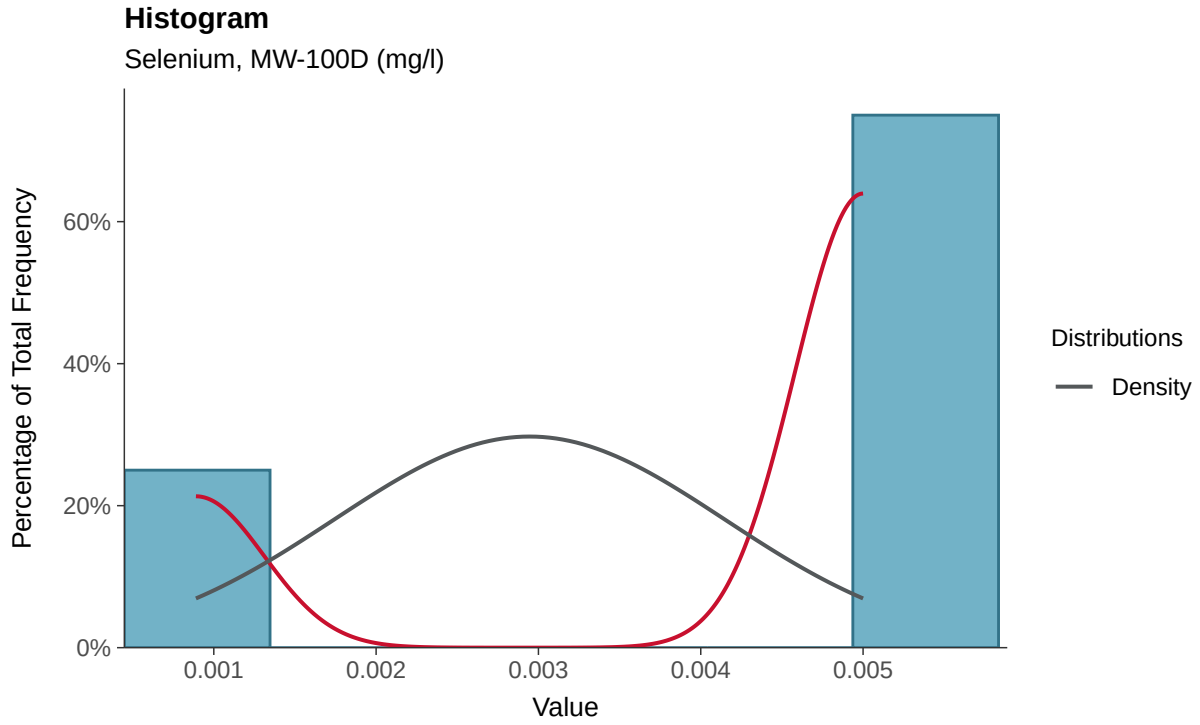
Radium-226+228, MW-100D (pci/l)



Appendix IV: Selenium, MW-100D

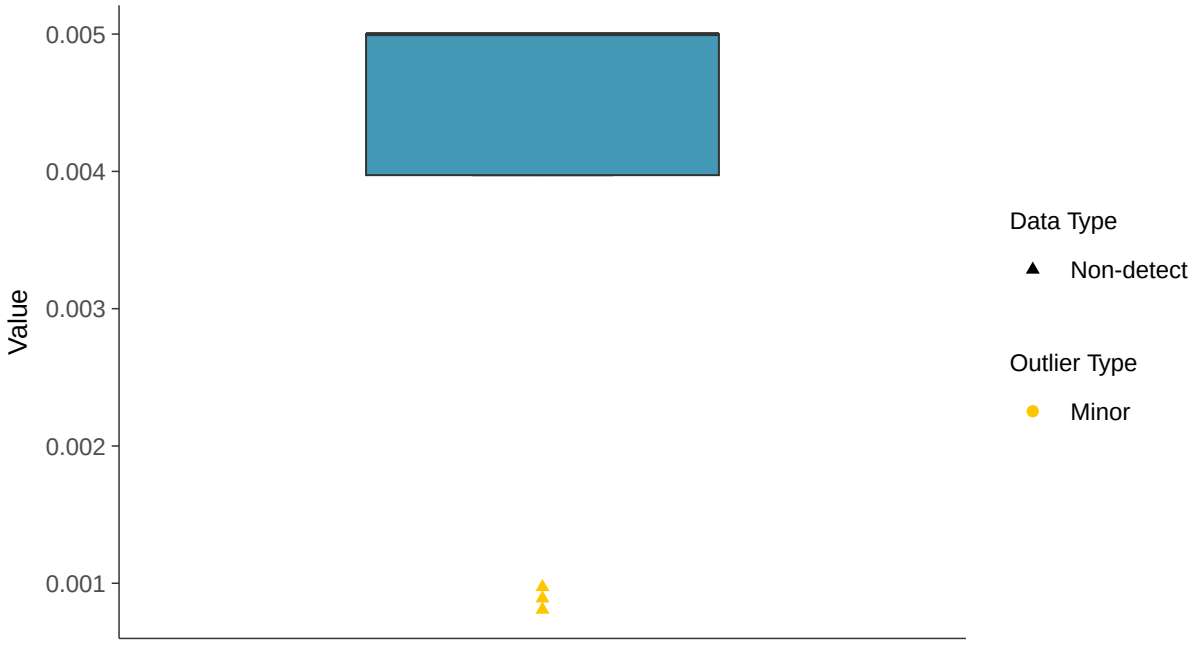
ID: 21_3_122





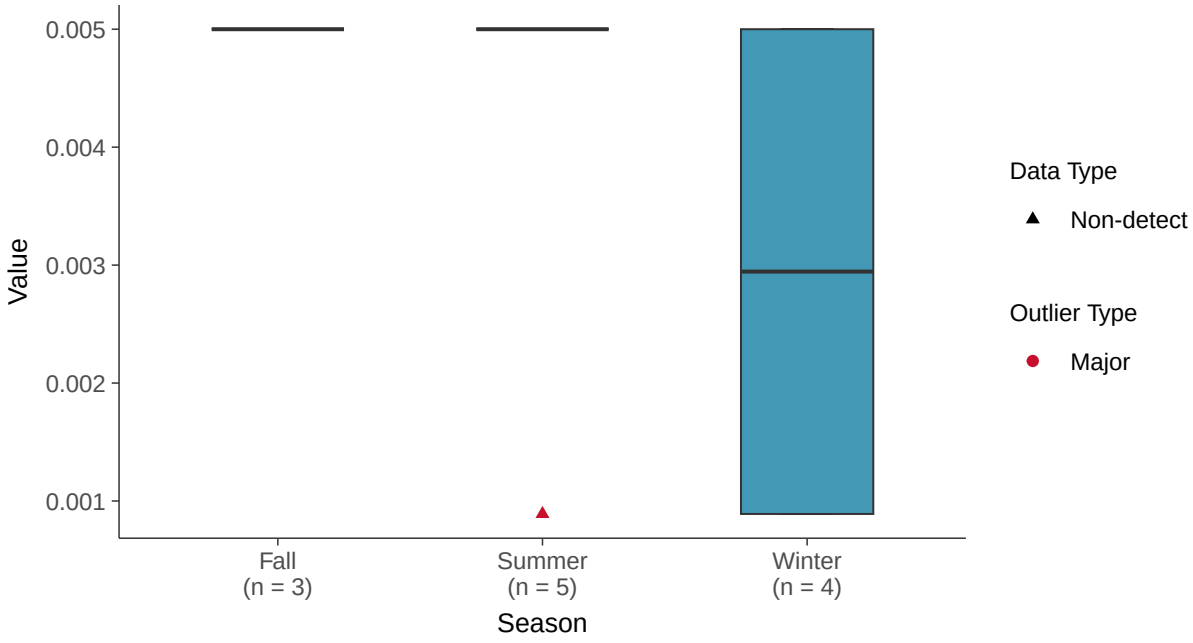
Boxplot

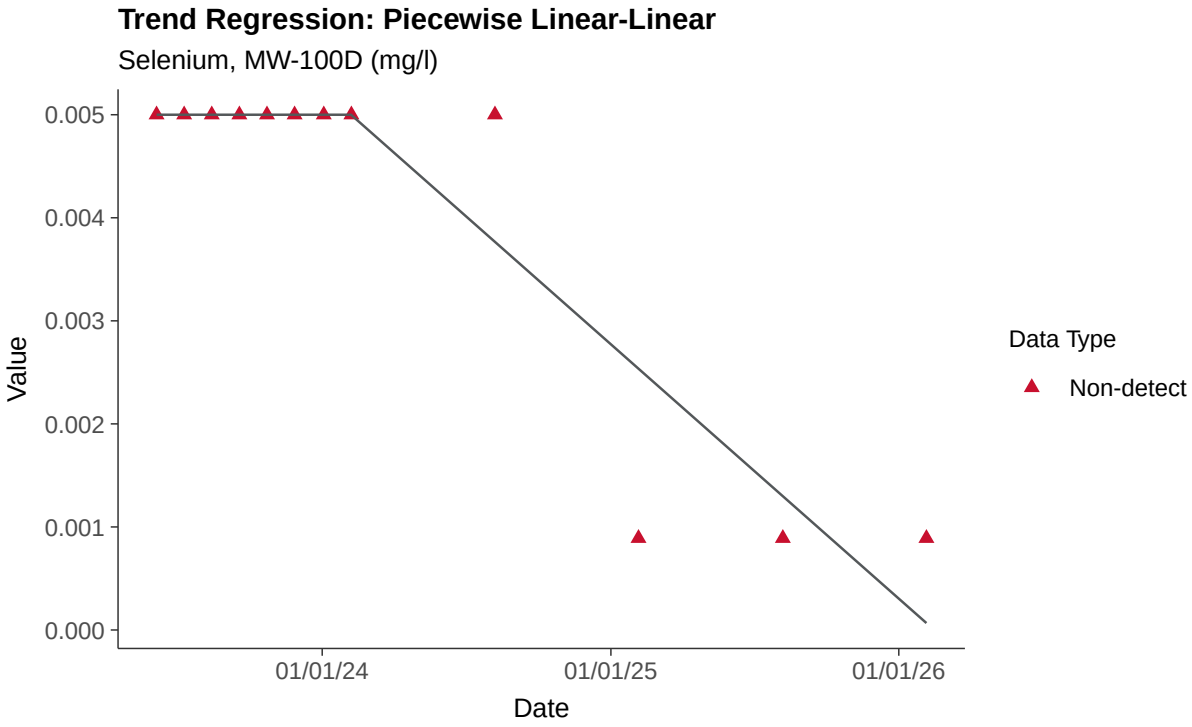
Selenium, MW-100D (mg/l)



Boxplot by Season

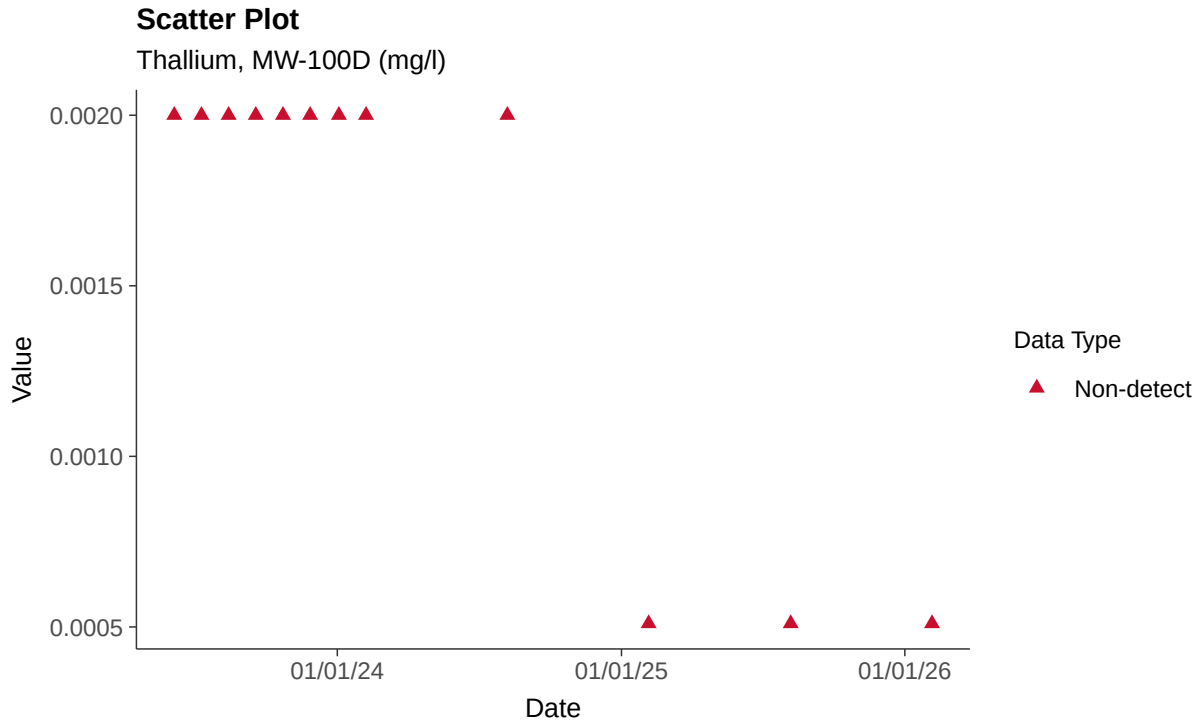
Selenium, MW-100D (mg/l)

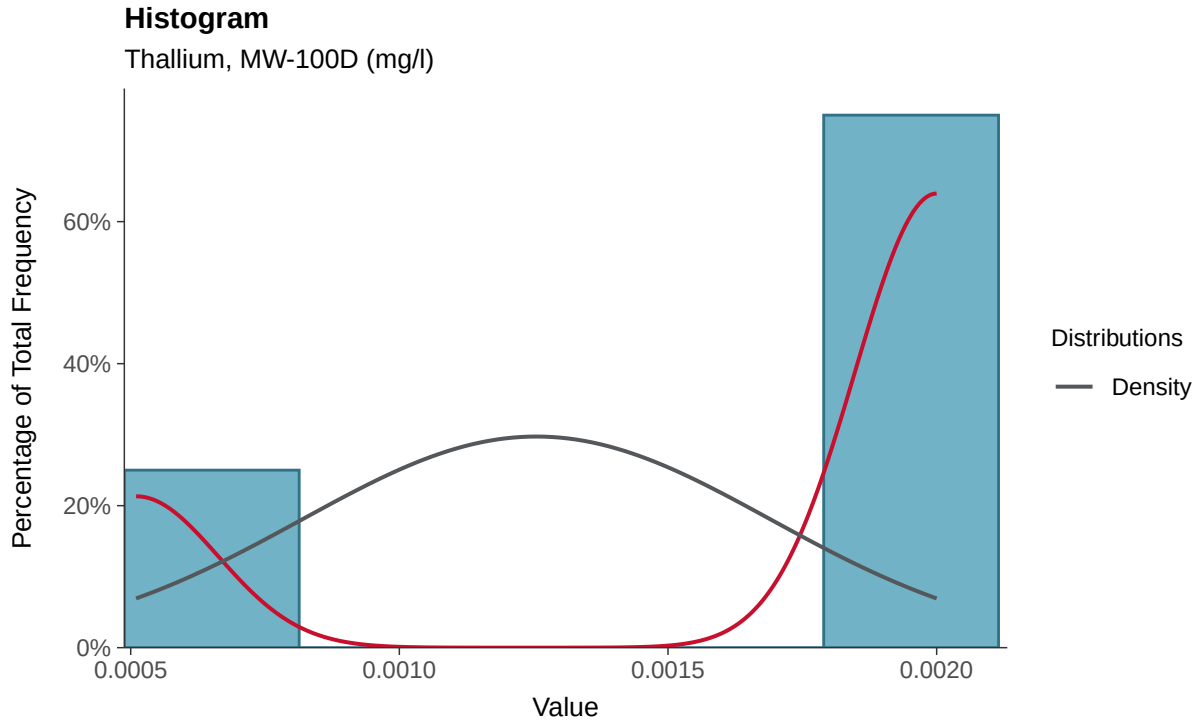



Trend Regression: Piecewise Linear-Linear
Selenium, MW-100D (mg/l)
Value
0.005
0.004
0.003
0.002
0.001
0.000
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Appendix IV: Thallium, MW-100D

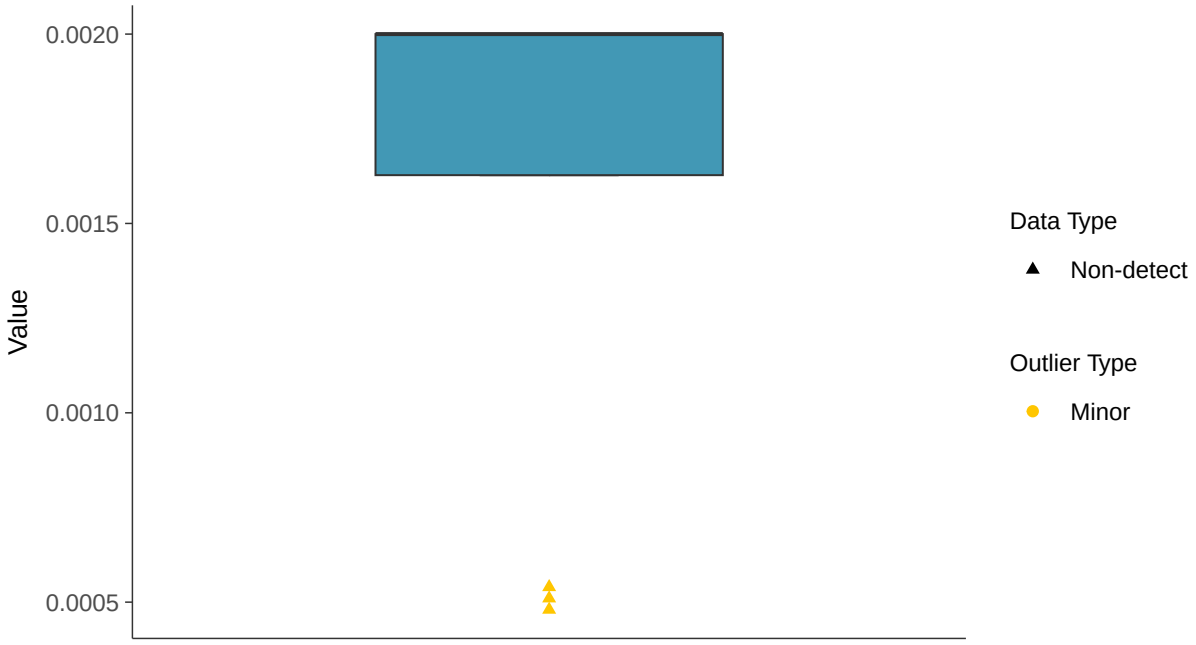
ID: 21_3_125





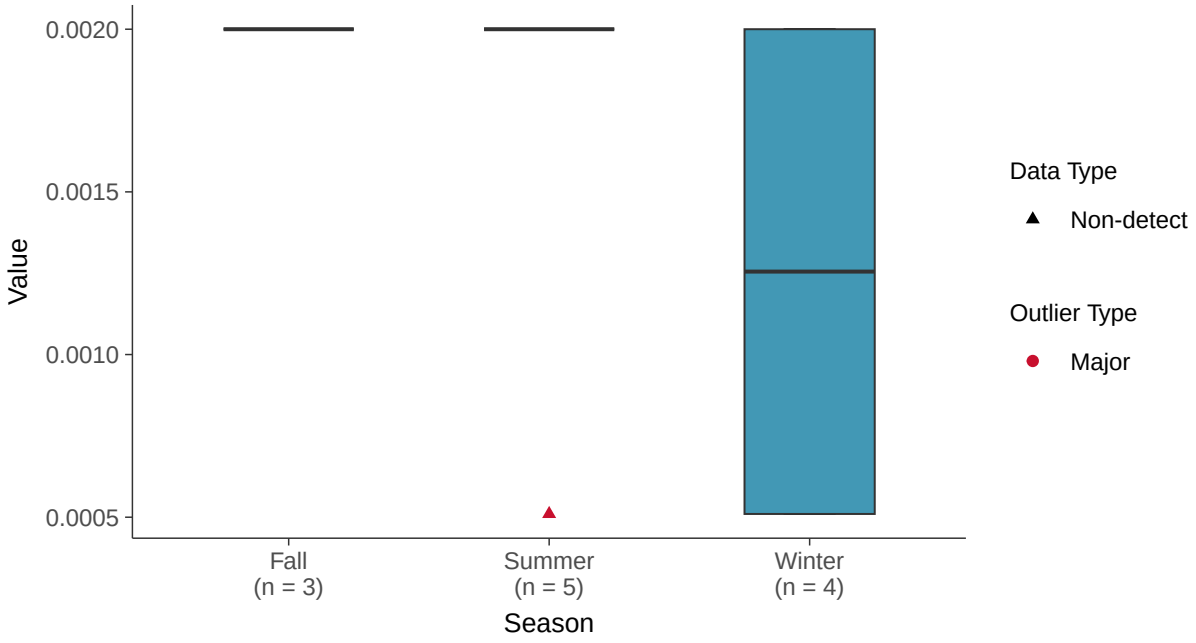
Boxplot

Thallium, MW-100D (mg/l)



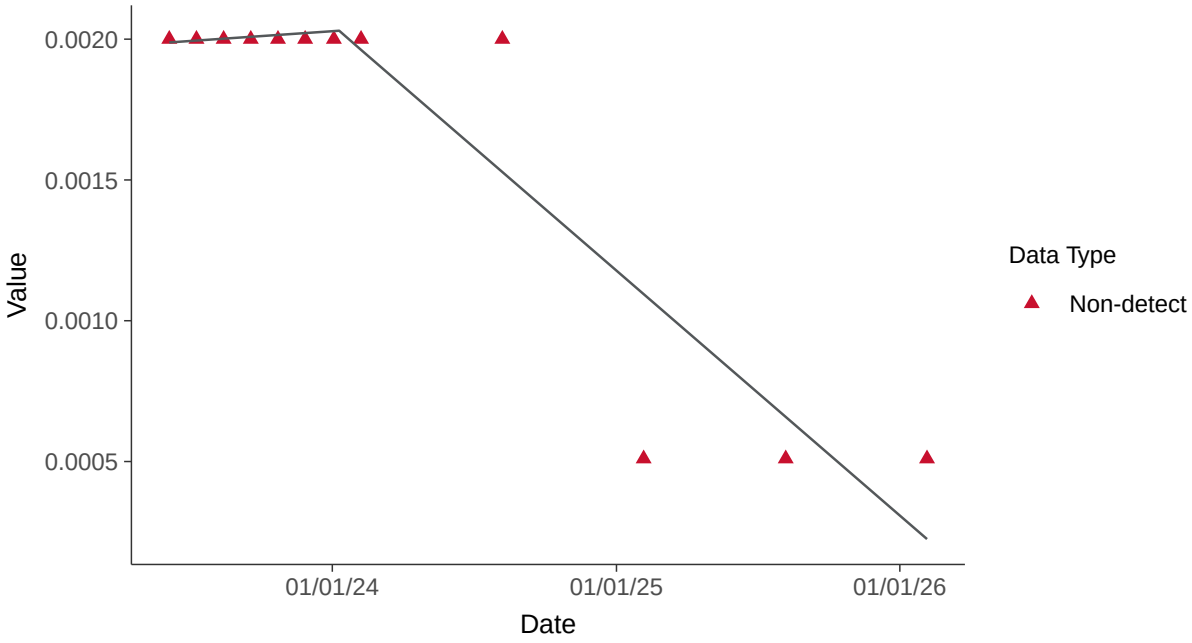
Boxplot by Season

Thallium, MW-100D (mg/l)



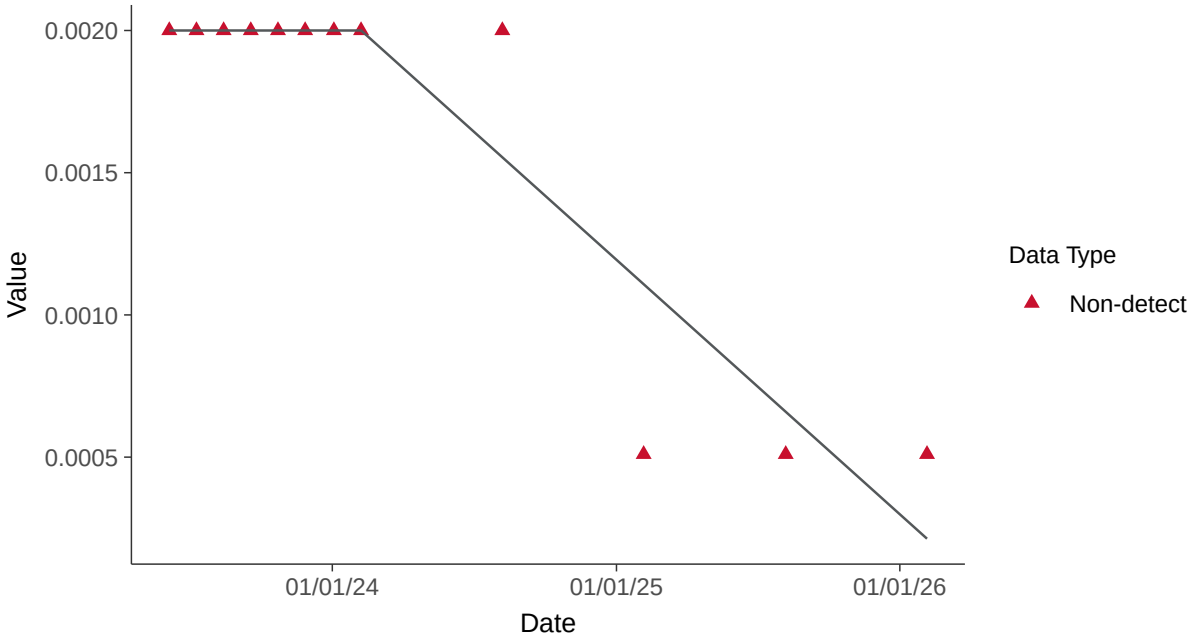
Trend Regression: Piecewise Linear-Linear

Thallium, MW-100D (mg/l)



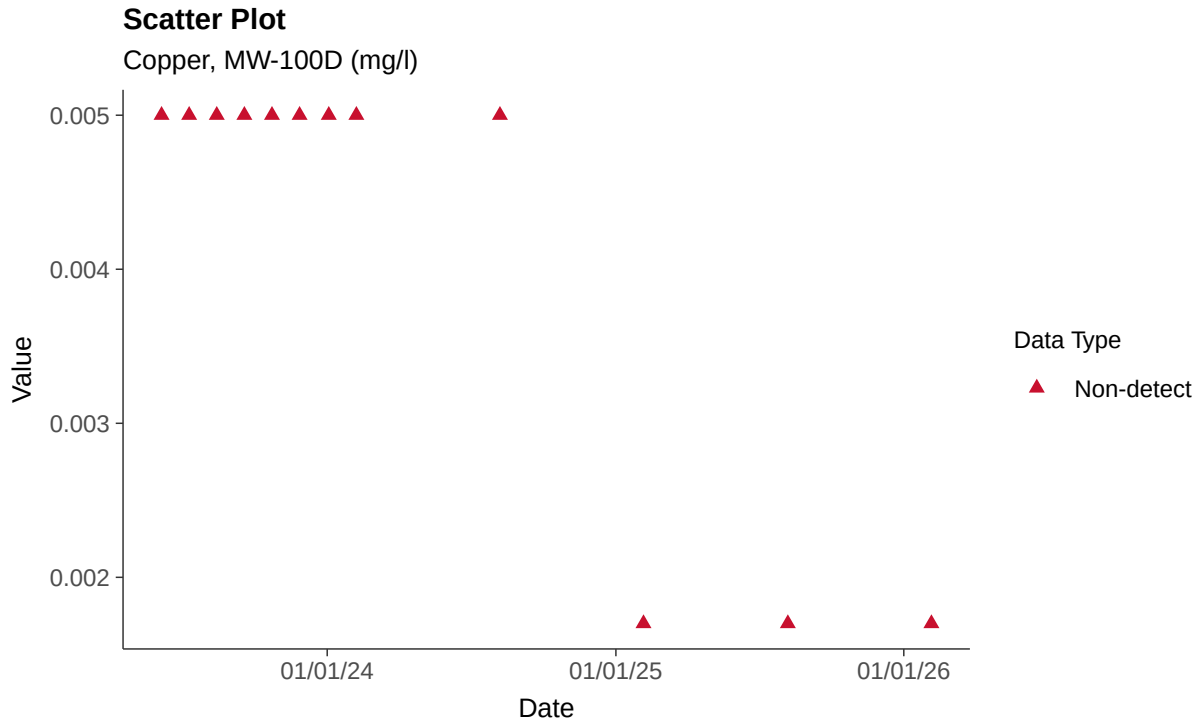
Trend Regression: Piecewise Linear-Linear-Linear

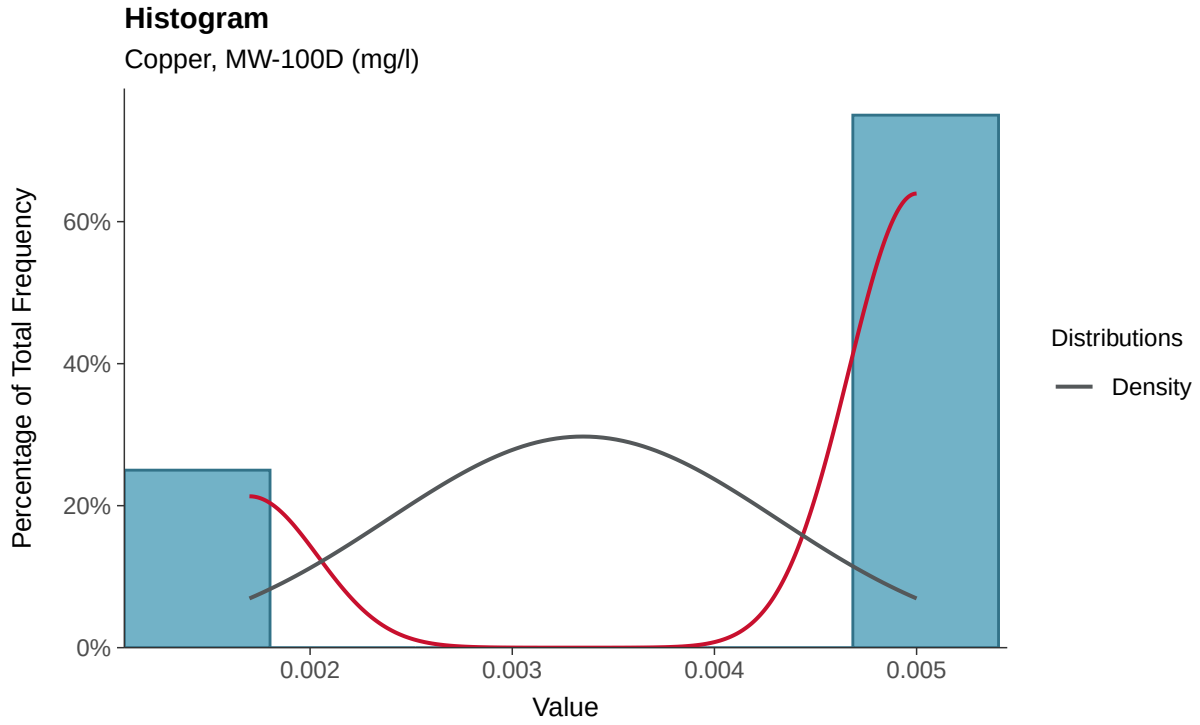
Thallium, MW-100D (mg/l)



Part 115: Copper, MW-100D

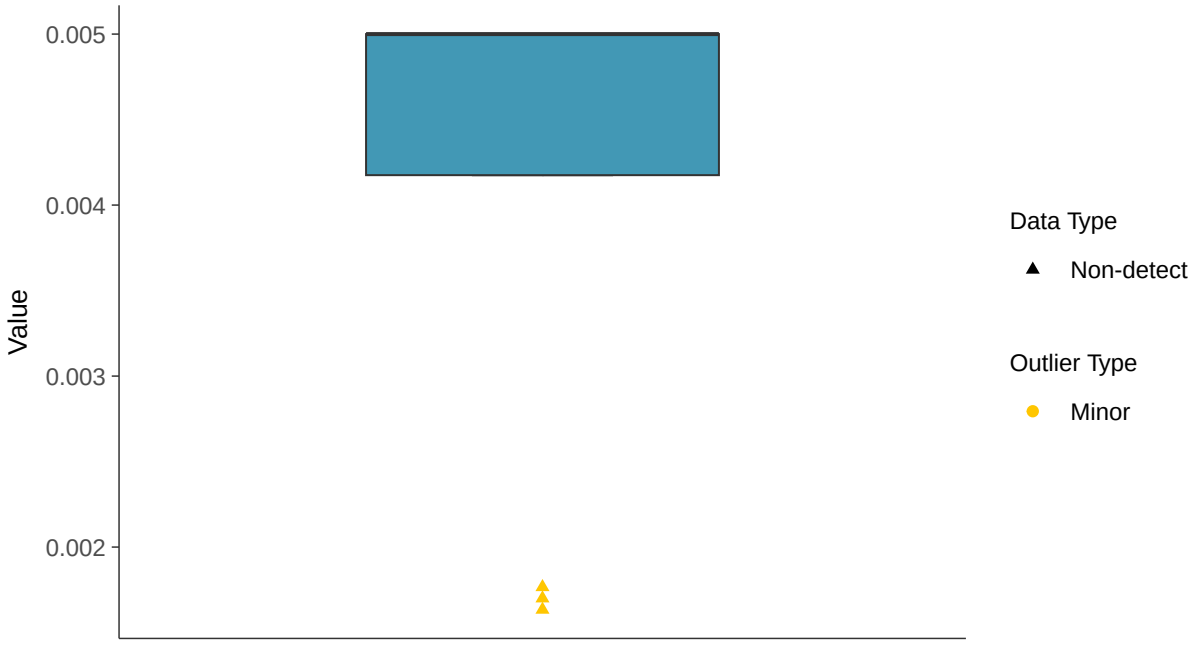
ID: 21_5_111





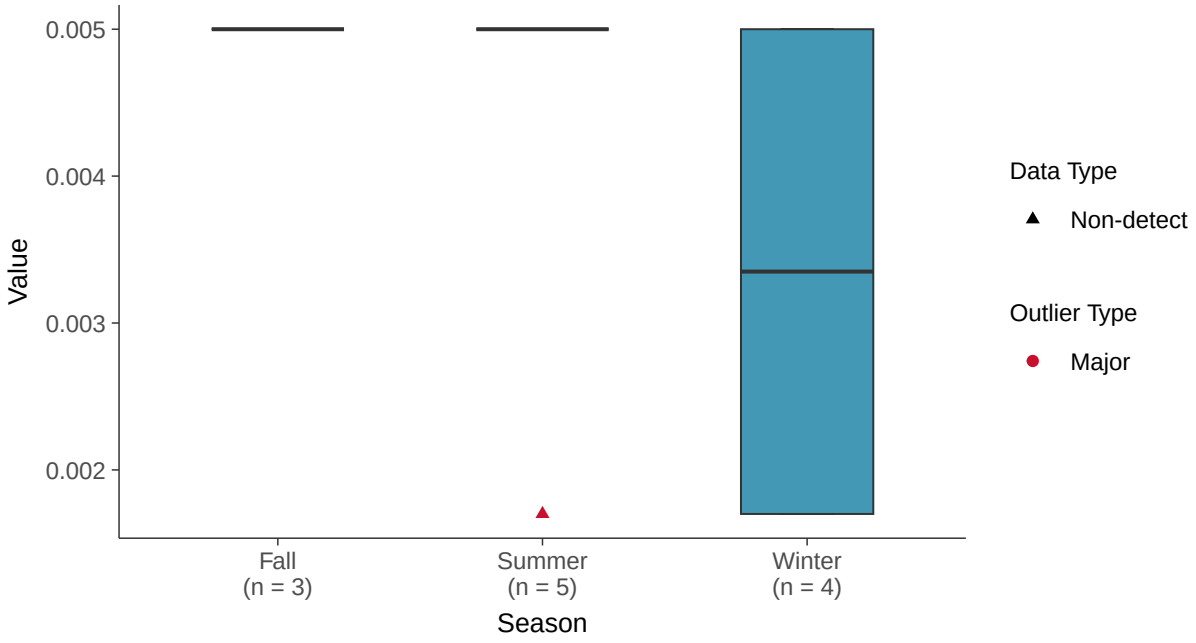
Boxplot

Copper, MW-100D (mg/l)



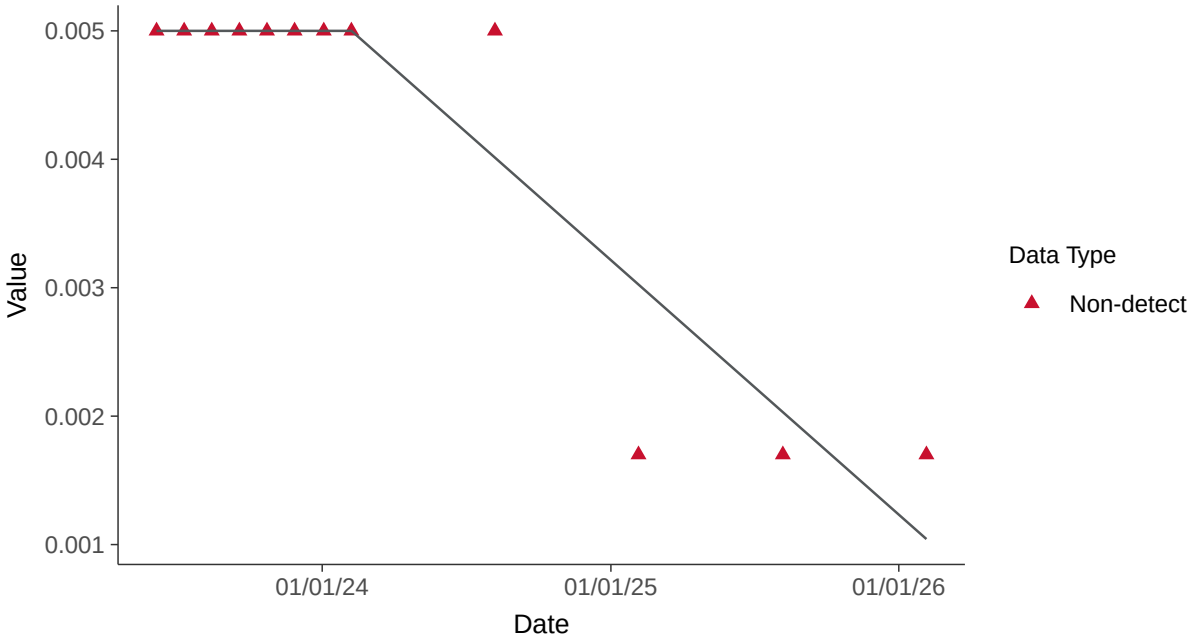
Boxplot by Season

Copper, MW-100D (mg/l)



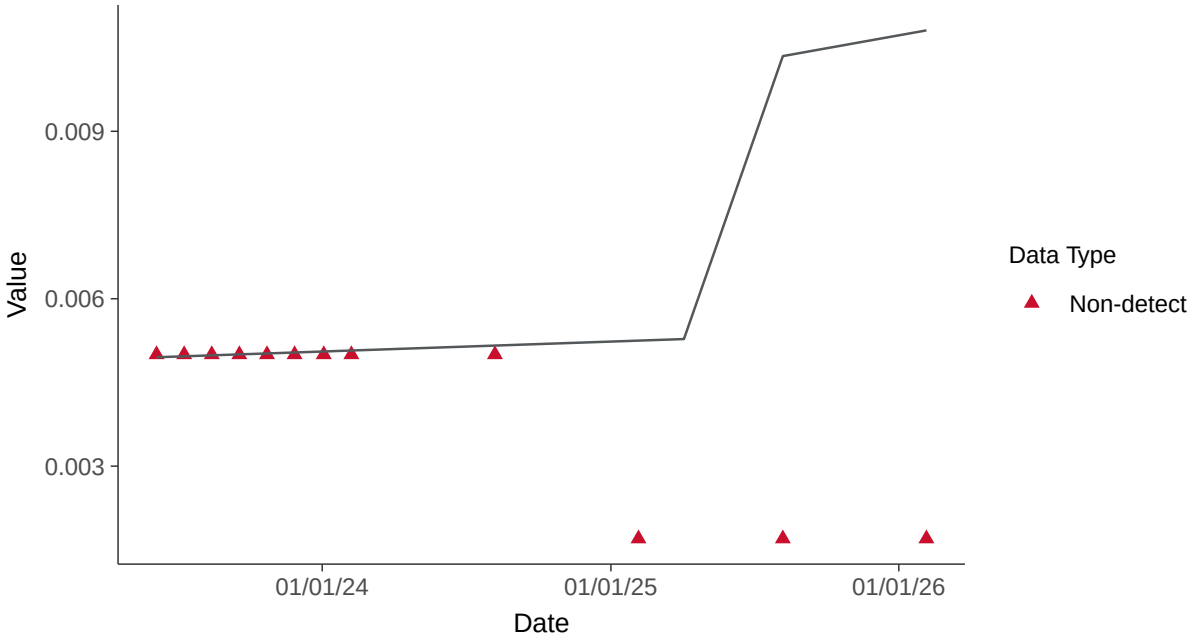
Trend Regression: Piecewise Linear-Linear

Copper, MW-100D (mg/l)



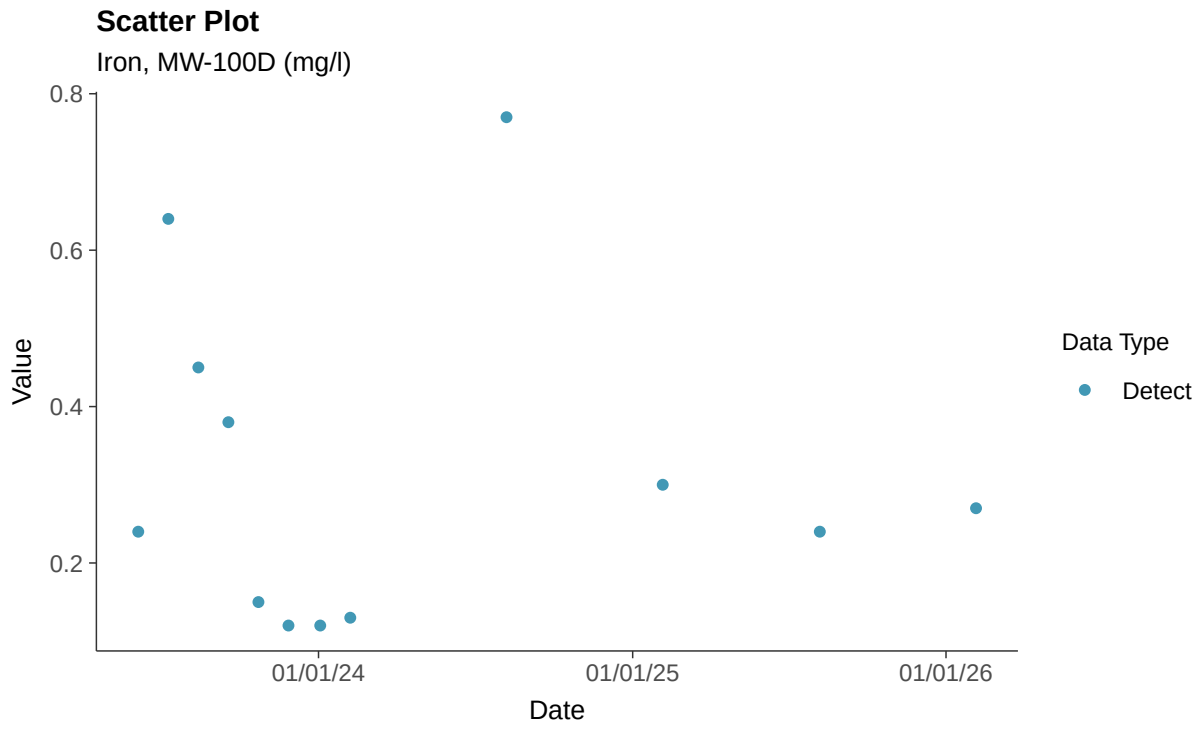
Trend Regression: Piecewise Linear-Linear-Linear

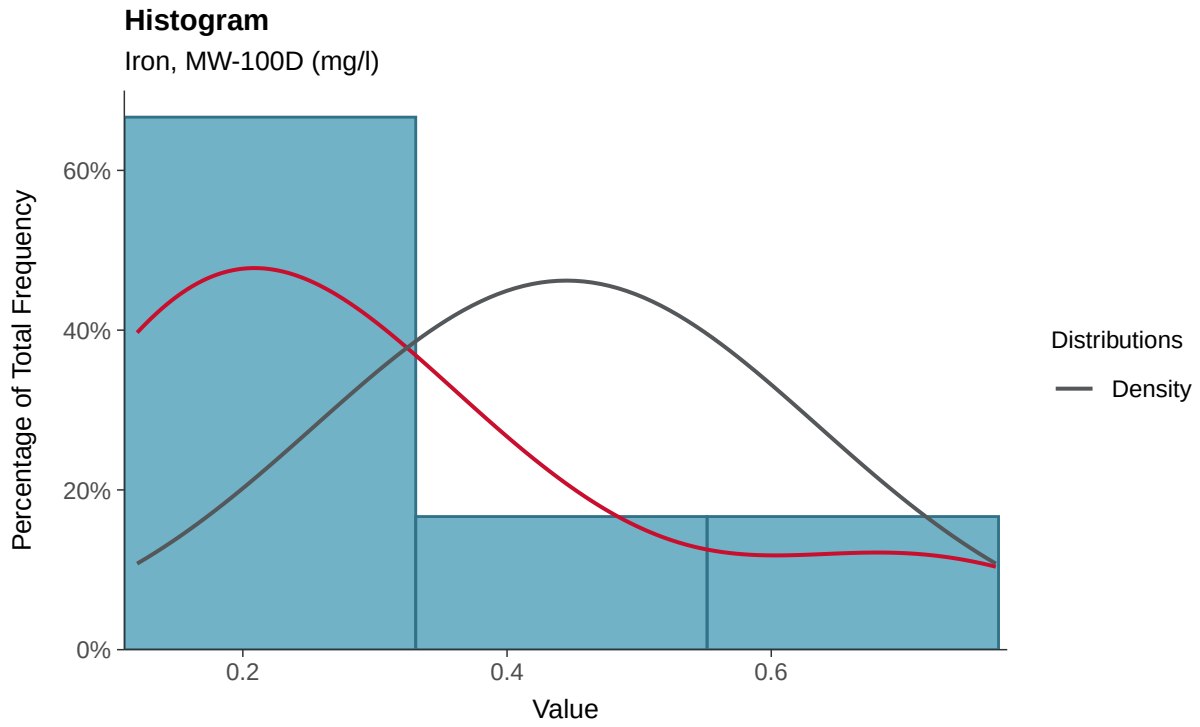
Copper, MW-100D (mg/l)



Part 115: Iron, MW-100D

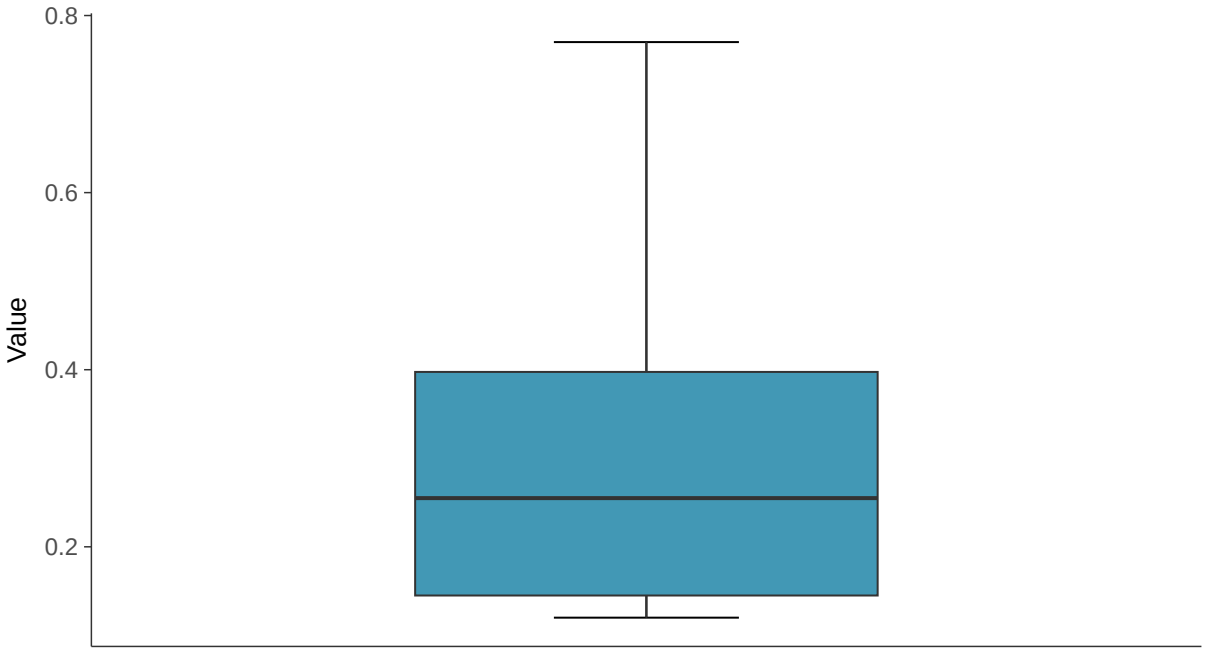
ID: 21_5_114





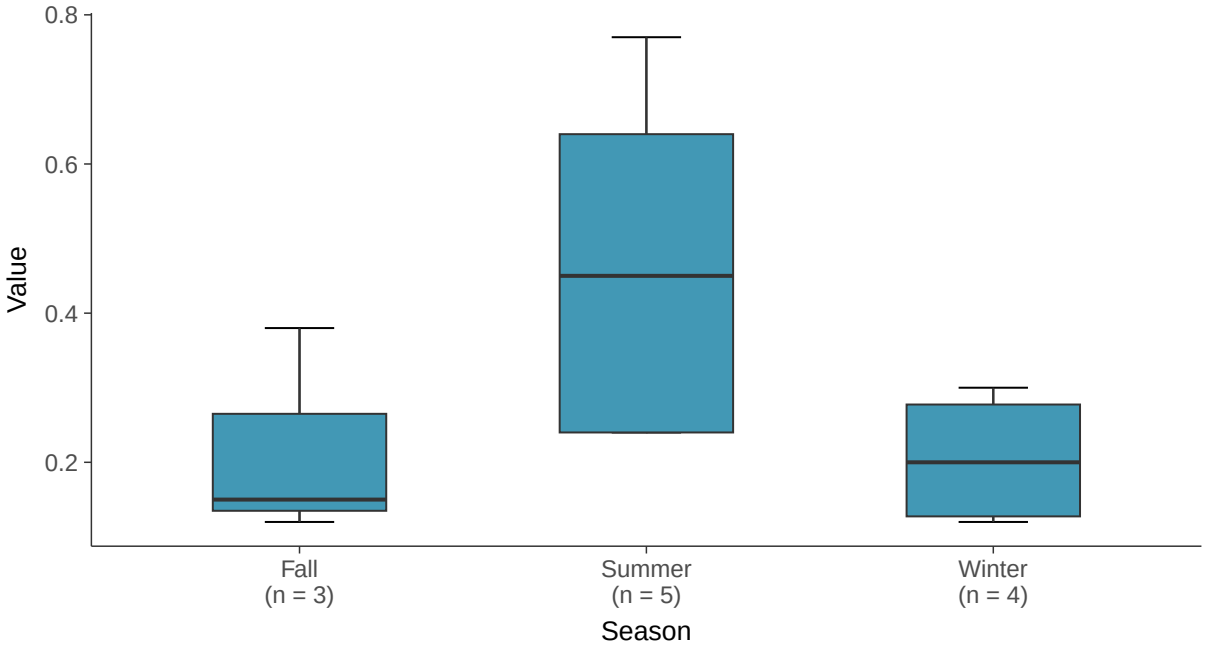
Boxplot

Iron, MW-100D (mg/l)



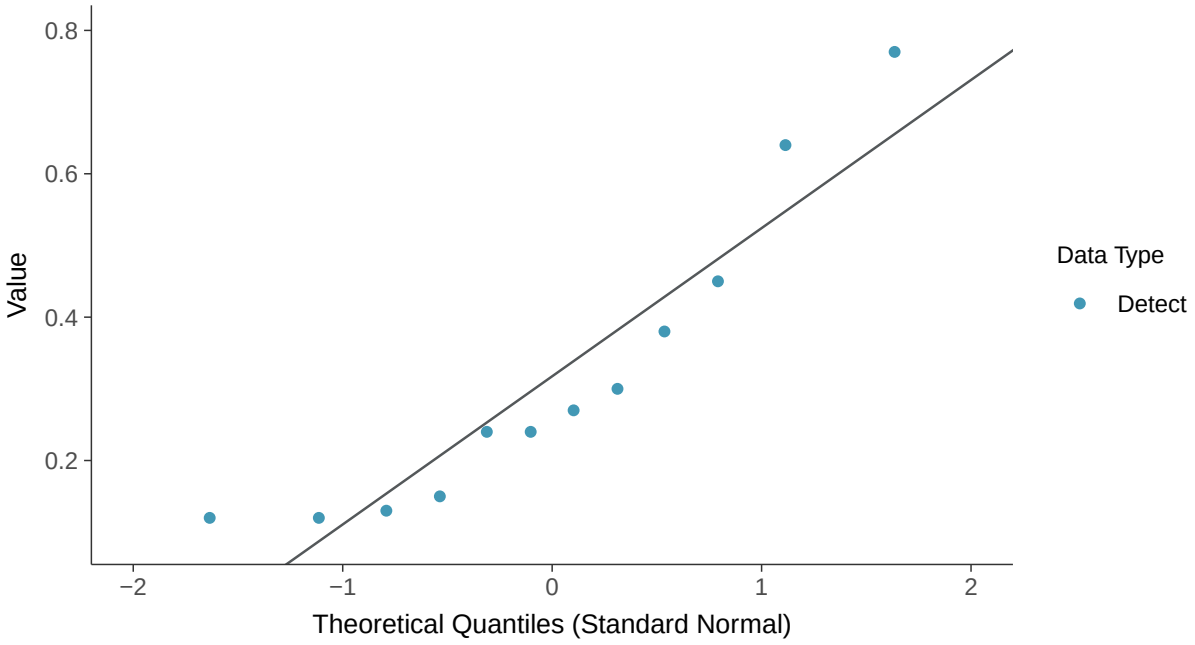
Boxplot by Season

Iron, MW-100D (mg/l)



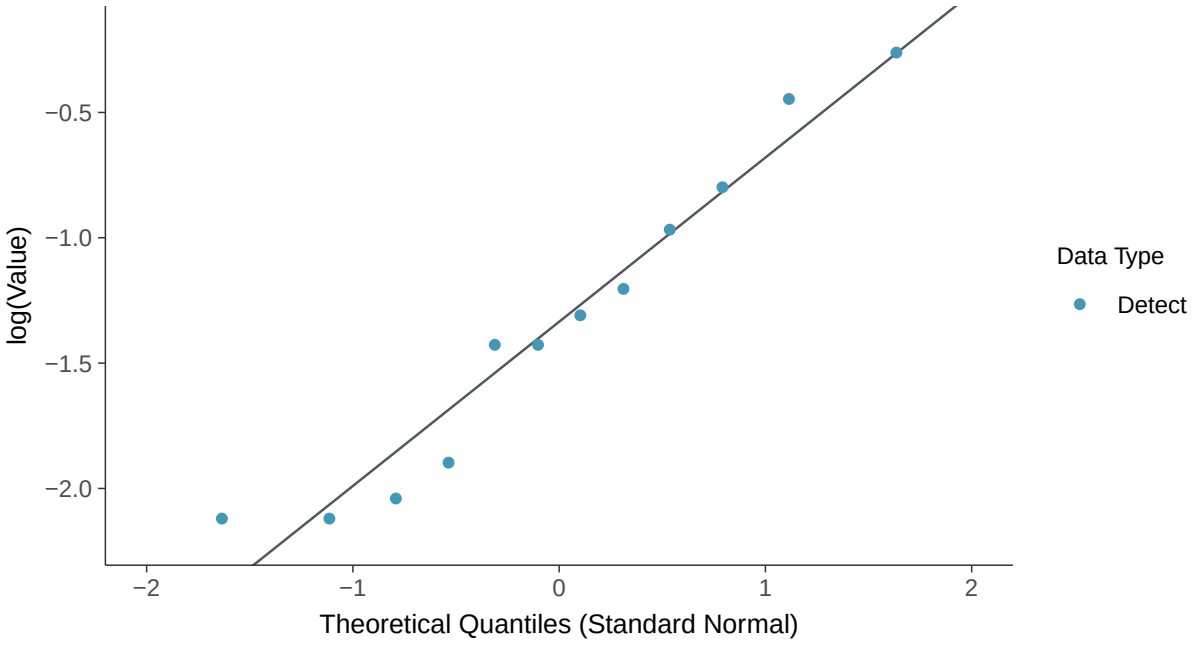
Normal Q-Q plot

Iron, MW-100D (mg/l)



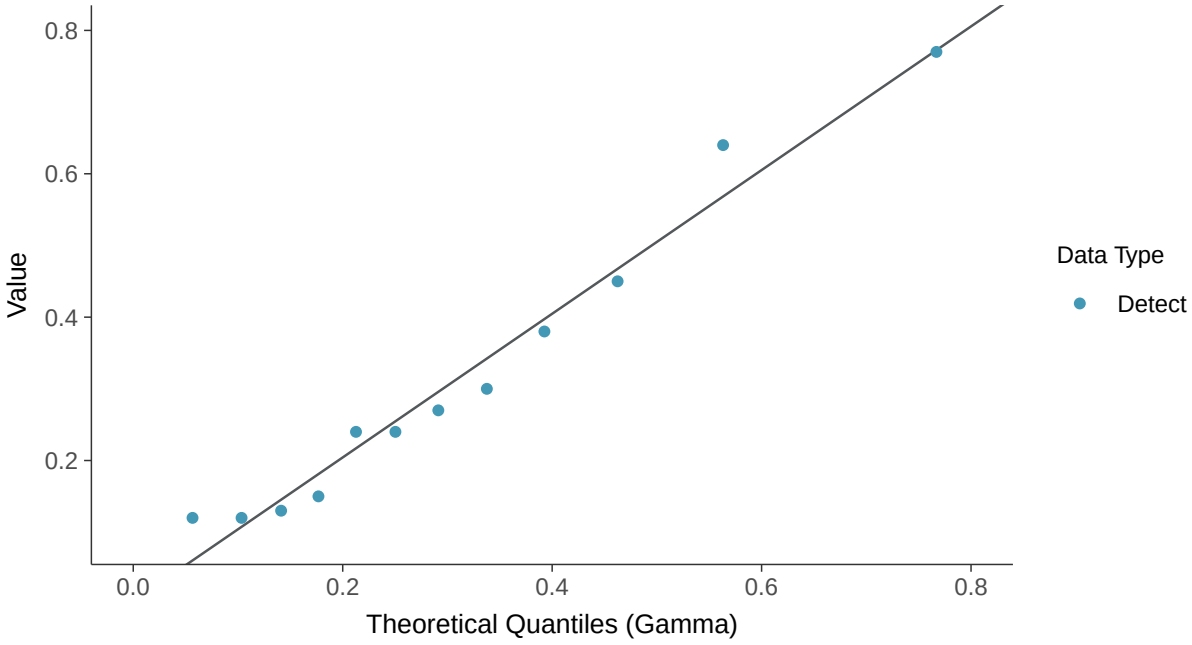
Lognormal Q-Q plot

Iron, MW-100D (mg/l)



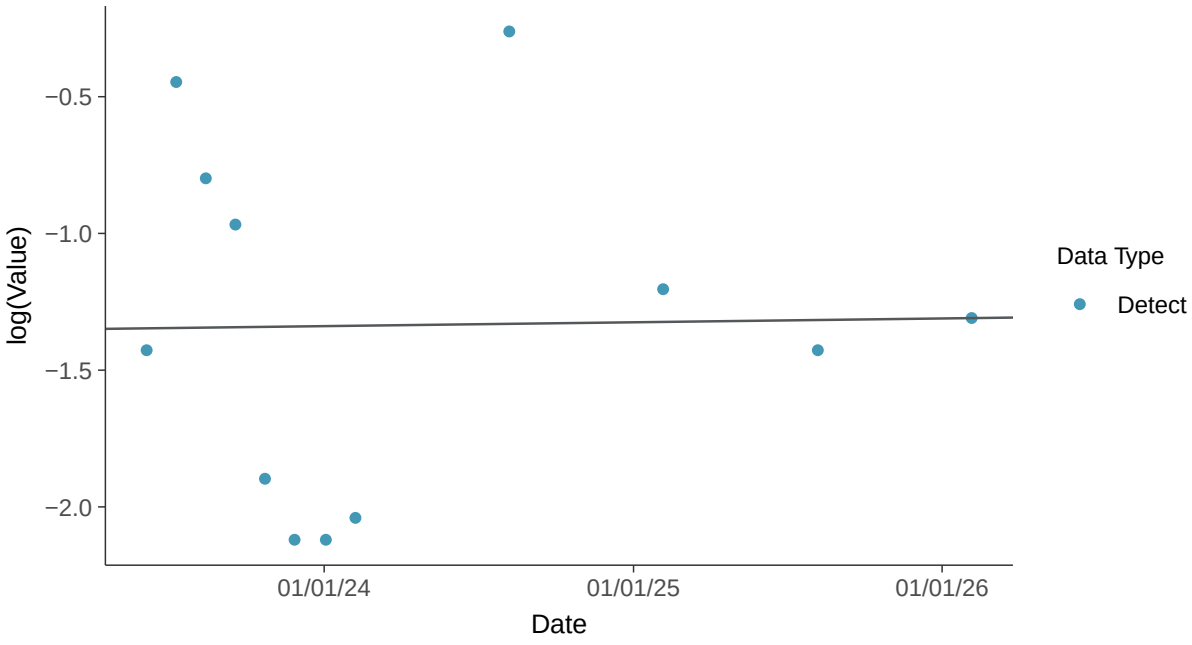
Gamma Q-Q plot

Iron, MW-100D (mg/l)



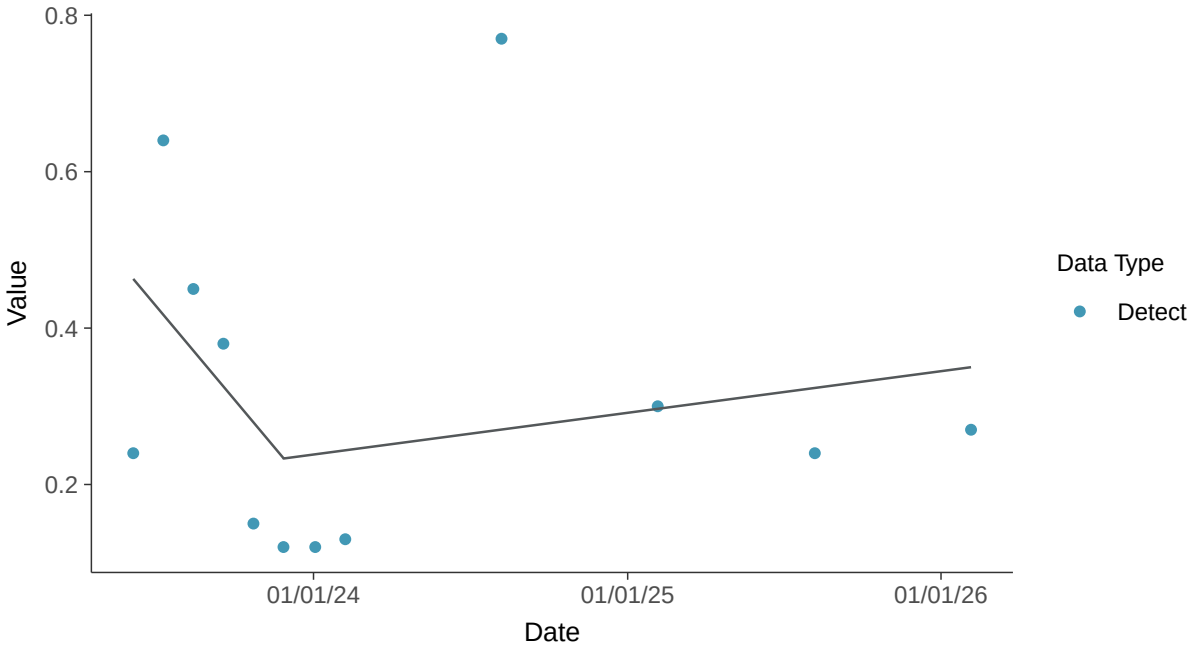
Trend Regression: Lognormal MLE

Iron, MW-100D (mg/l)



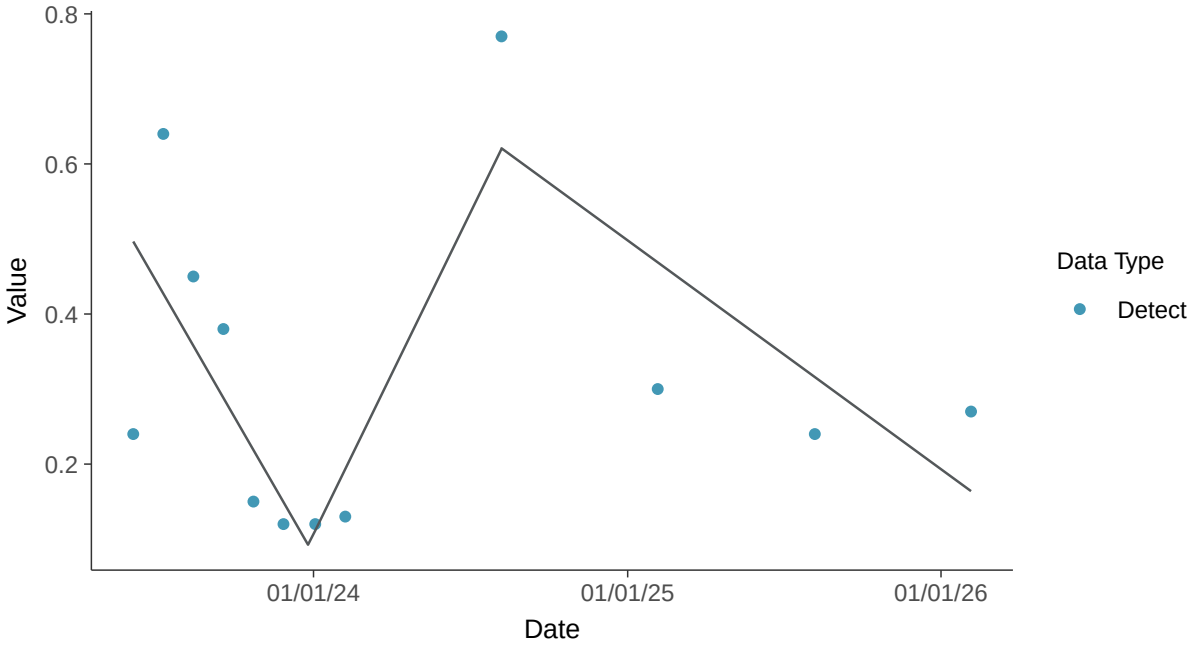
Trend Regression: Piecewise Linear-Linear

Iron, MW-100D (mg/l)



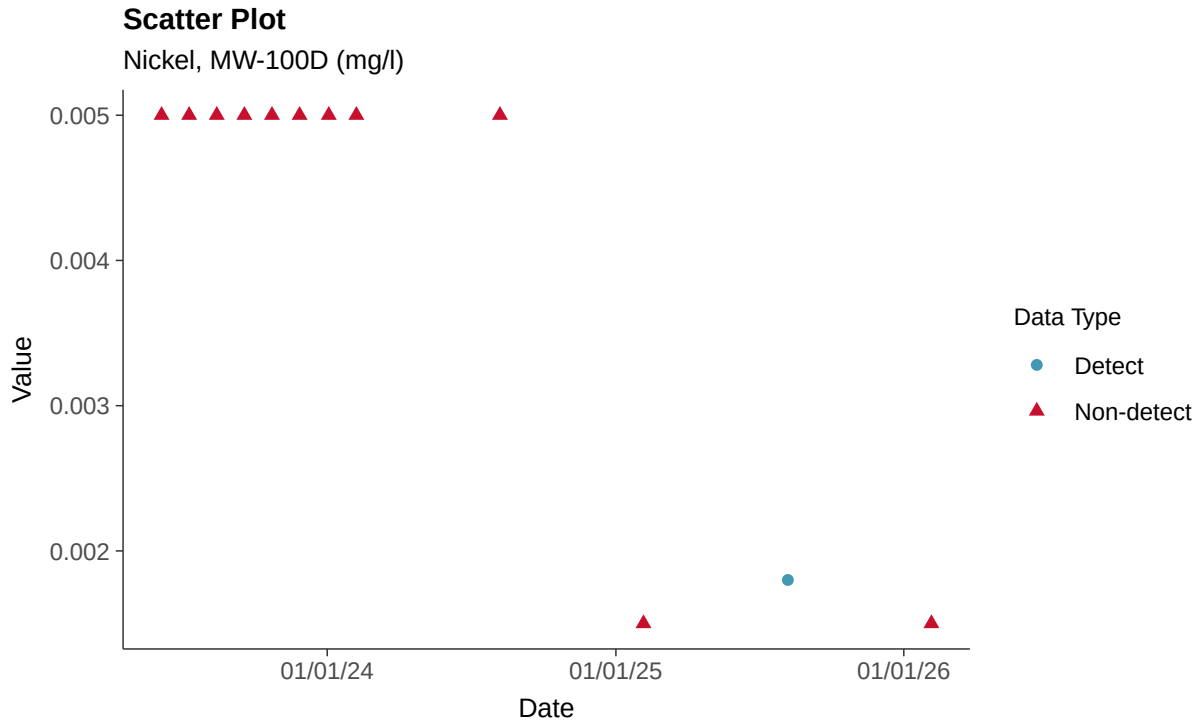
Trend Regression: Piecewise Linear-Linear-Linear

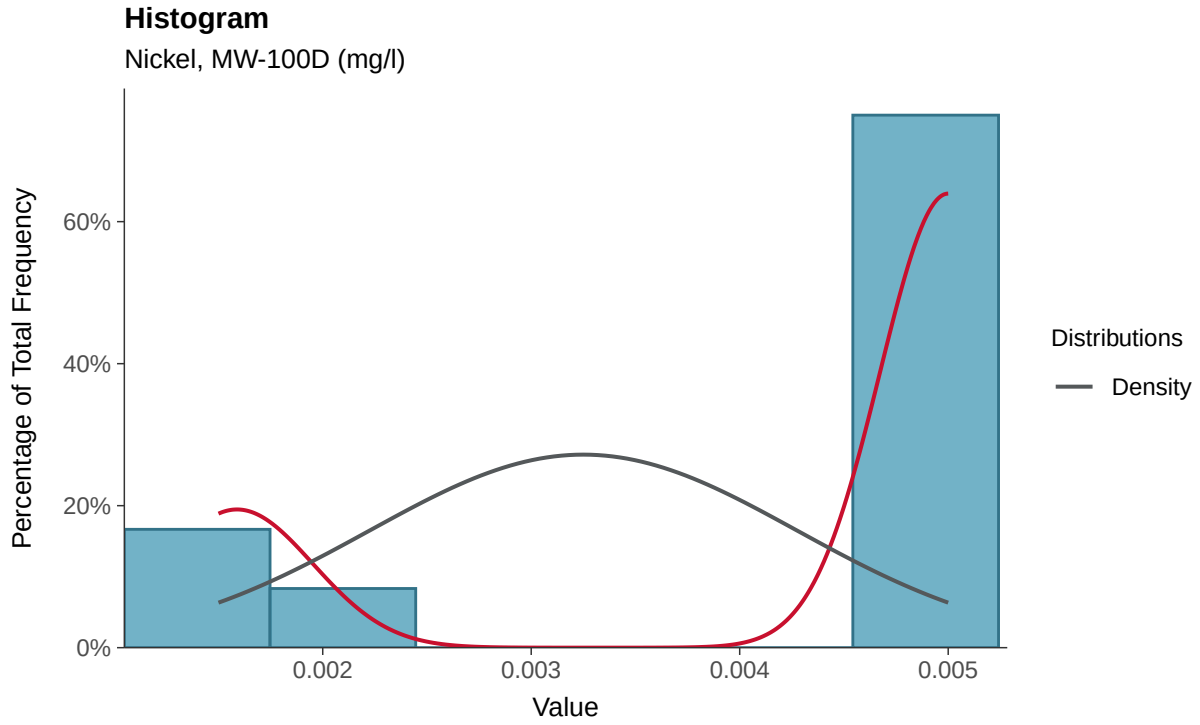
Iron, MW-100D (mg/l)



Part 115: Nickel, MW-100D

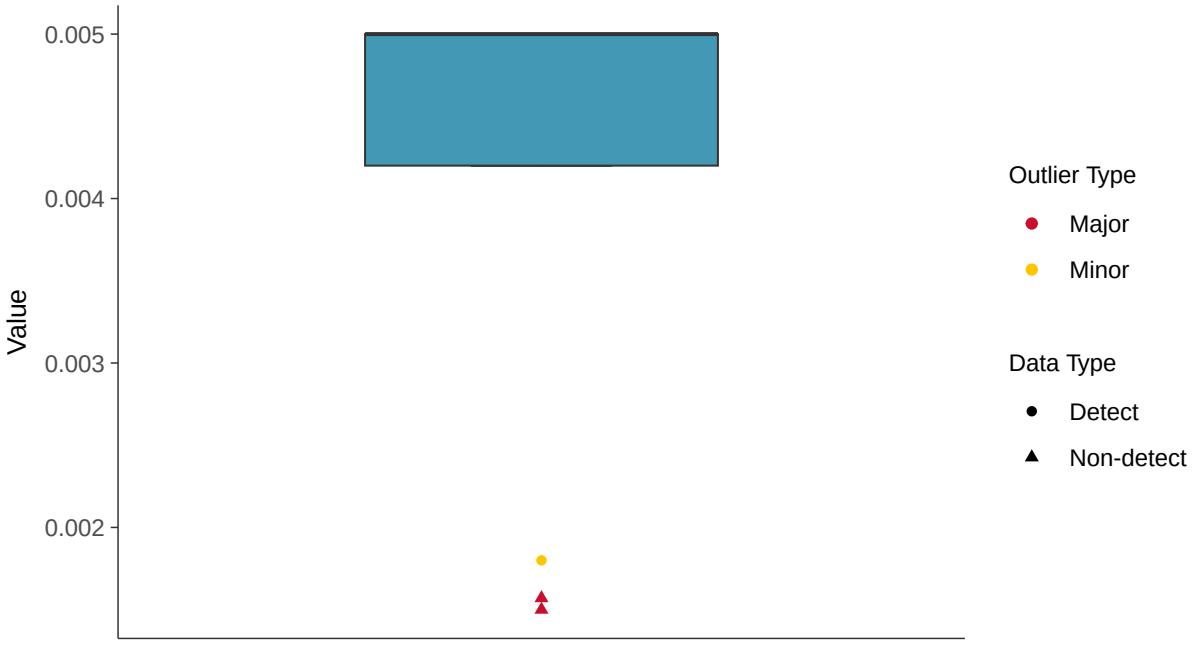
ID: 21_5_119





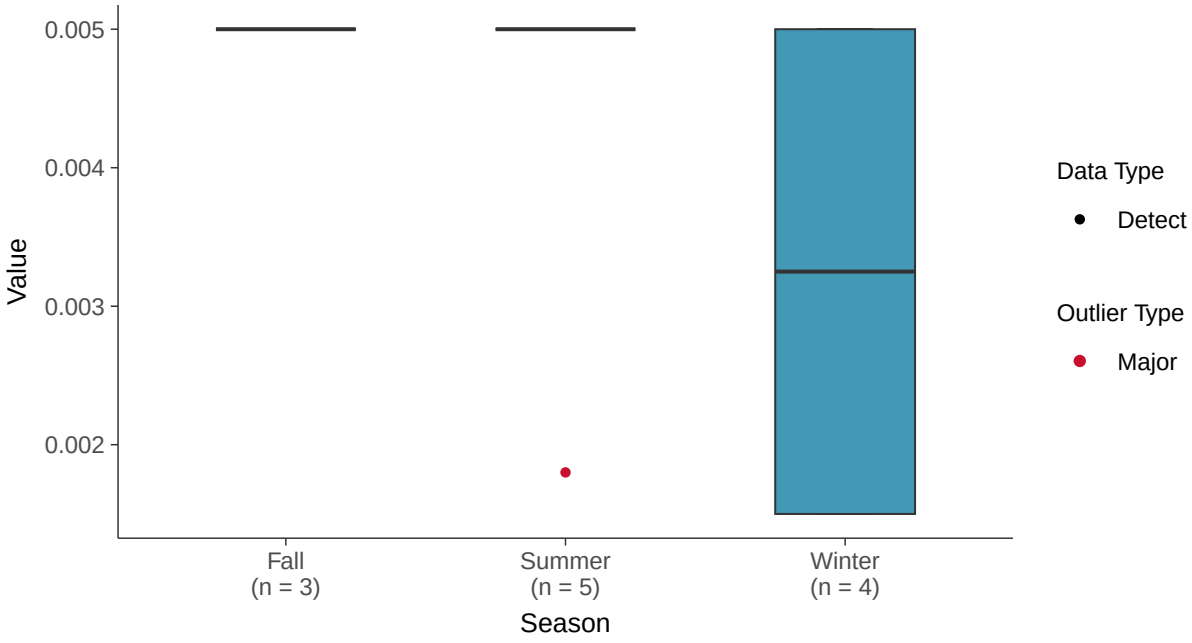
Boxplot

Nickel, MW-100D (mg/l)



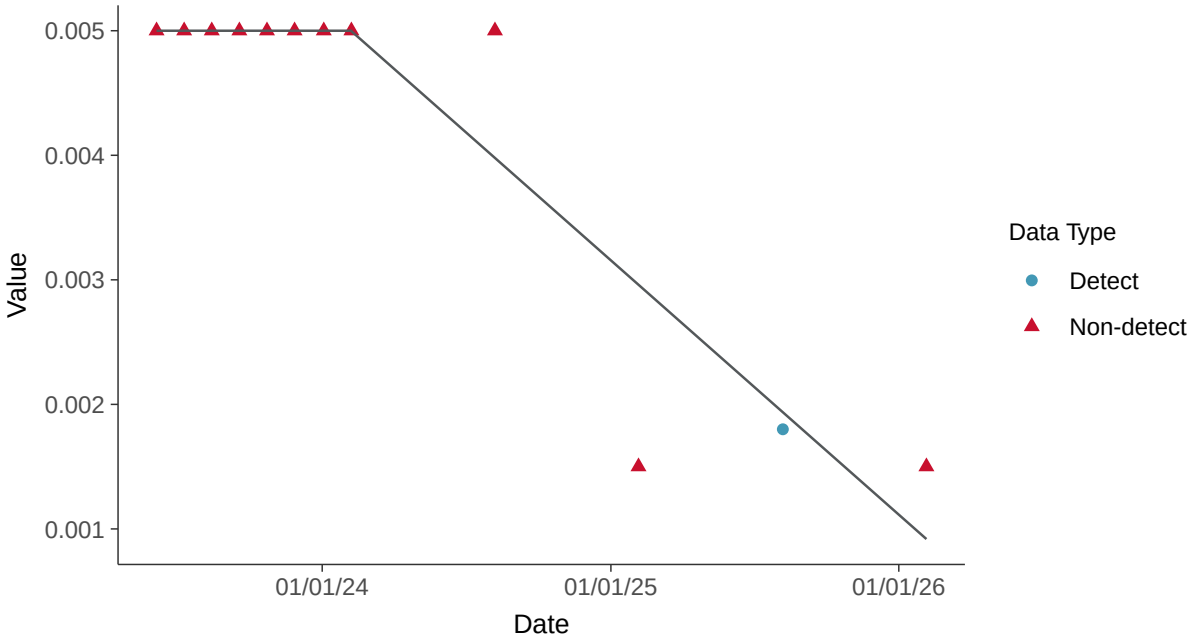
Boxplot by Season

Nickel, MW-100D (mg/l)



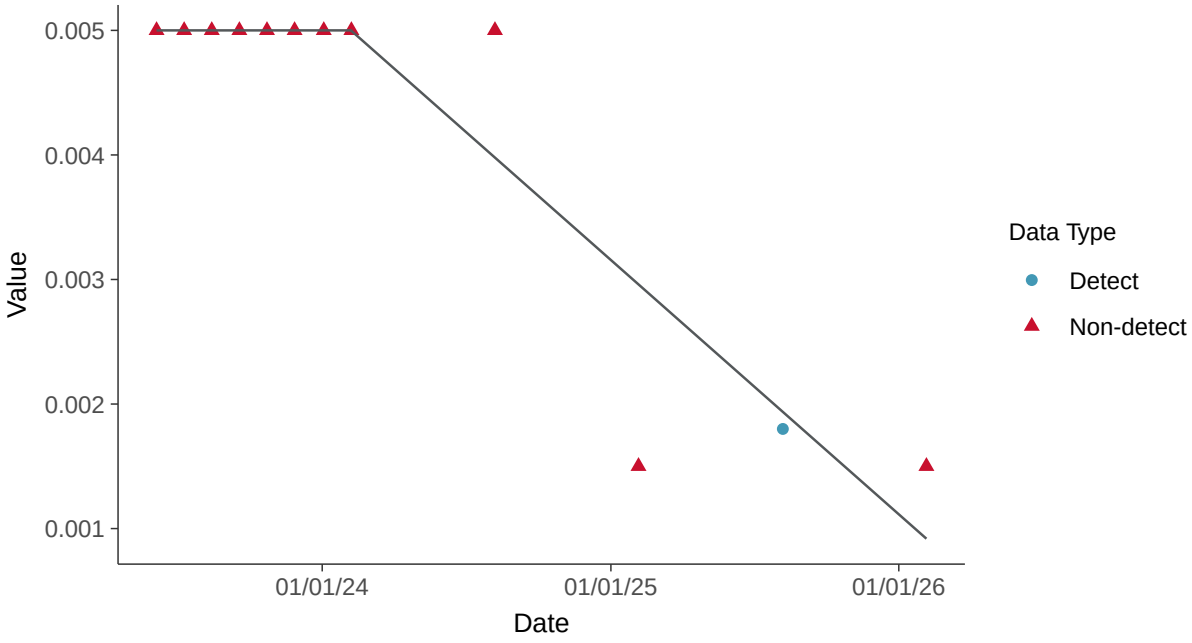
Trend Regression: Piecewise Linear-Linear

Nickel, MW-100D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Nickel, MW-100D (mg/l)

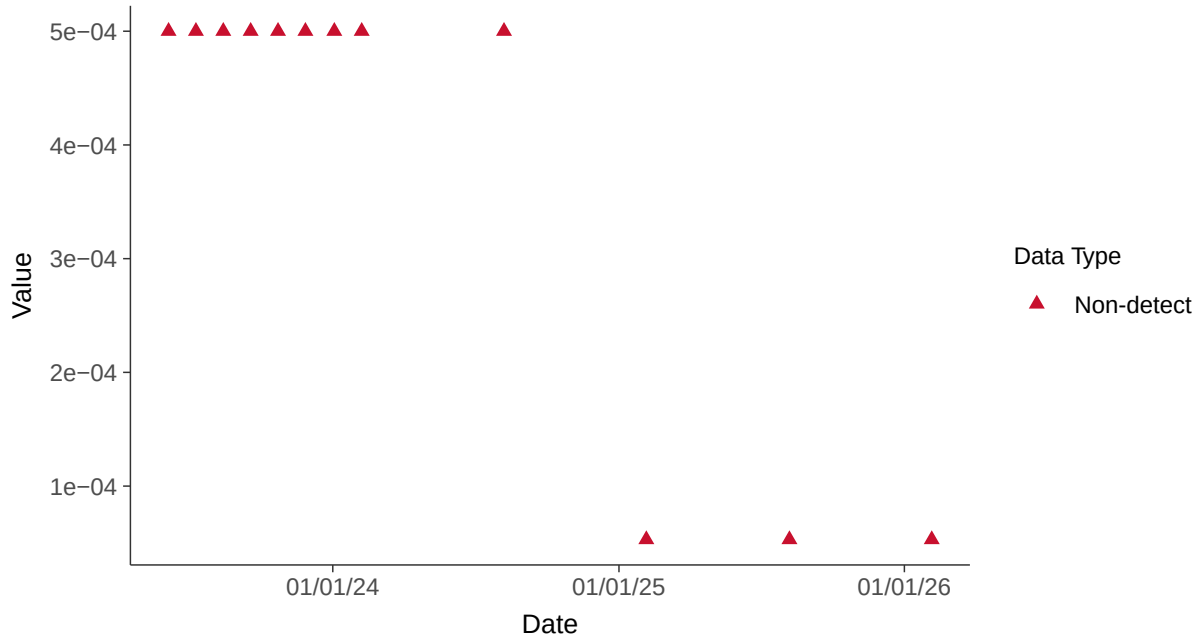


Part 115: Silver, MW-100D

ID: 21_5_123

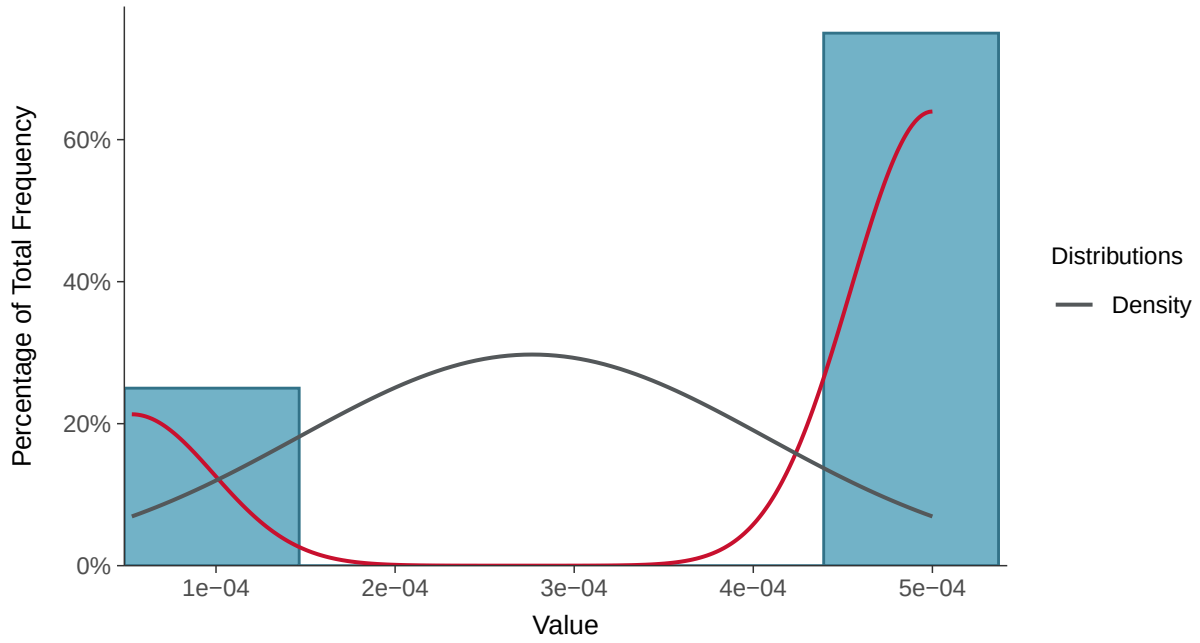
Scatter Plot

Silver, MW-100D (mg/l)



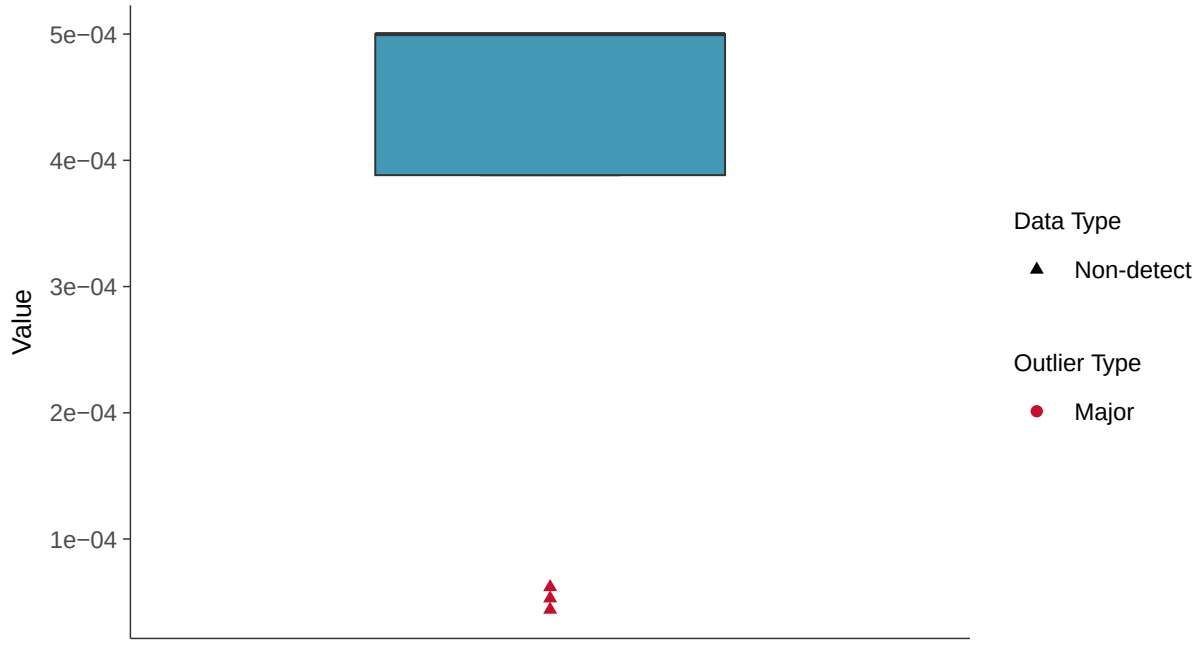
Histogram

Silver, MW-100D (mg/l)



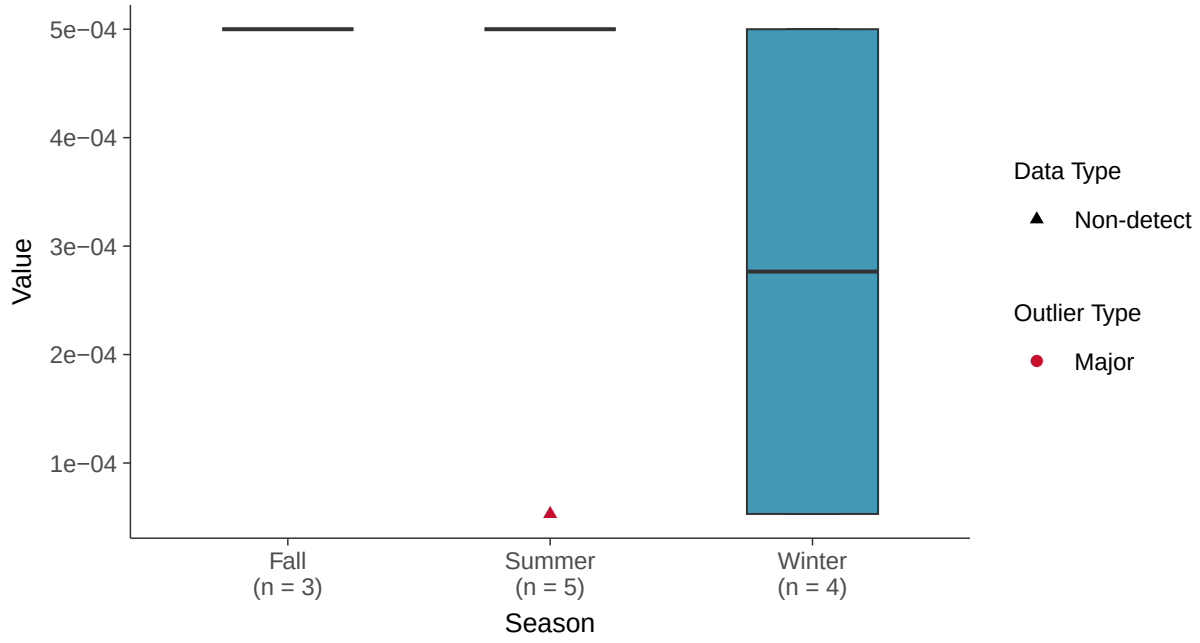
Boxplot

Silver, MW-100D (mg/l)



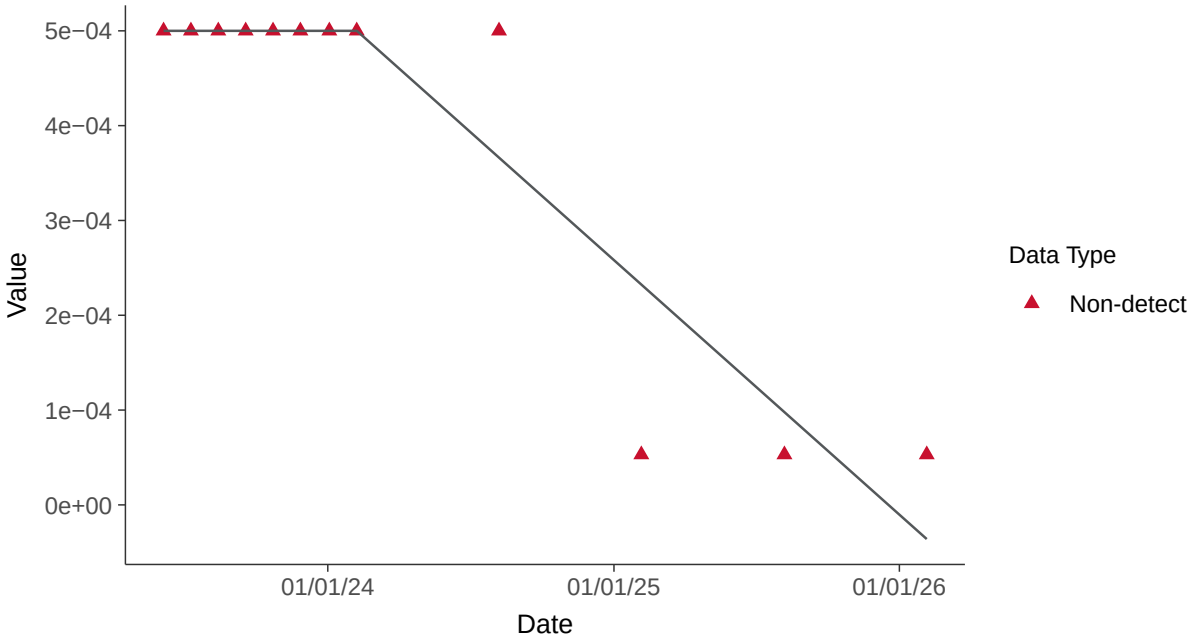
Boxplot by Season

Silver, MW-100D (mg/l)



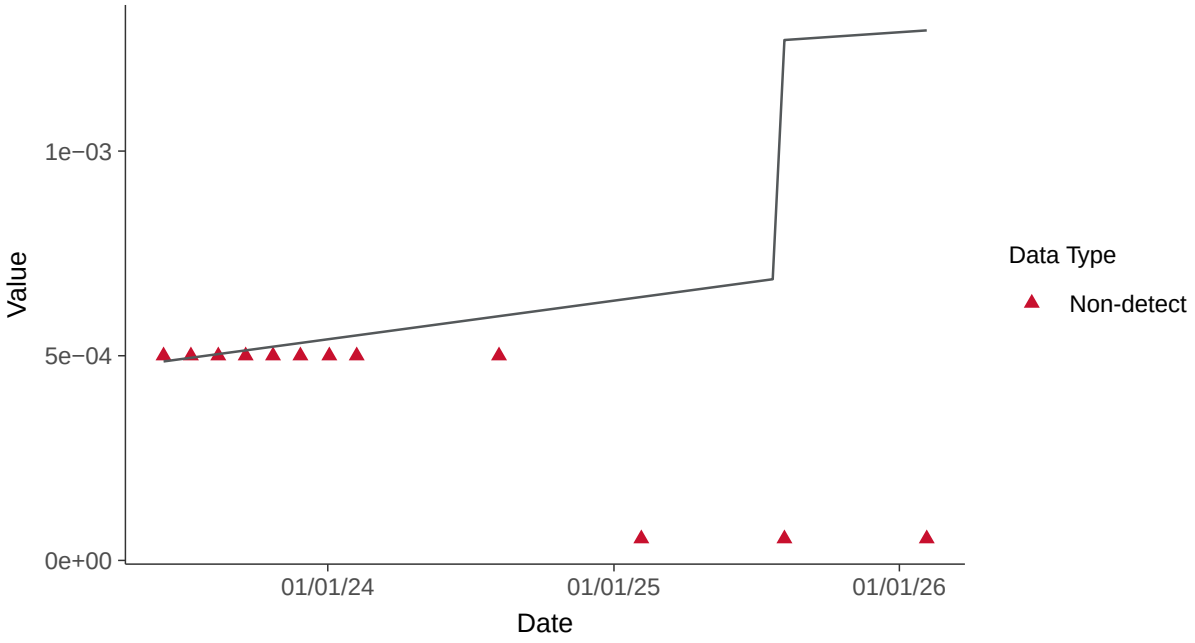
Trend Regression: Piecewise Linear-Linear

Silver, MW-100D (mg/l)



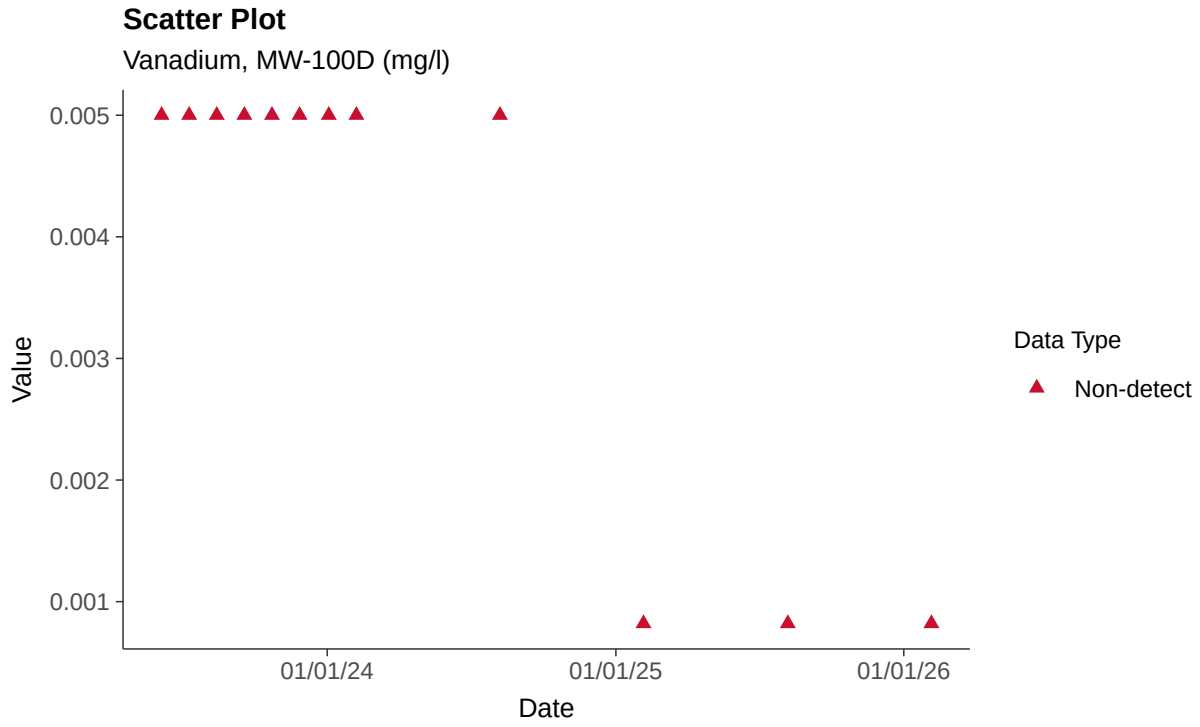
Trend Regression: Piecewise Linear-Linear-Linear

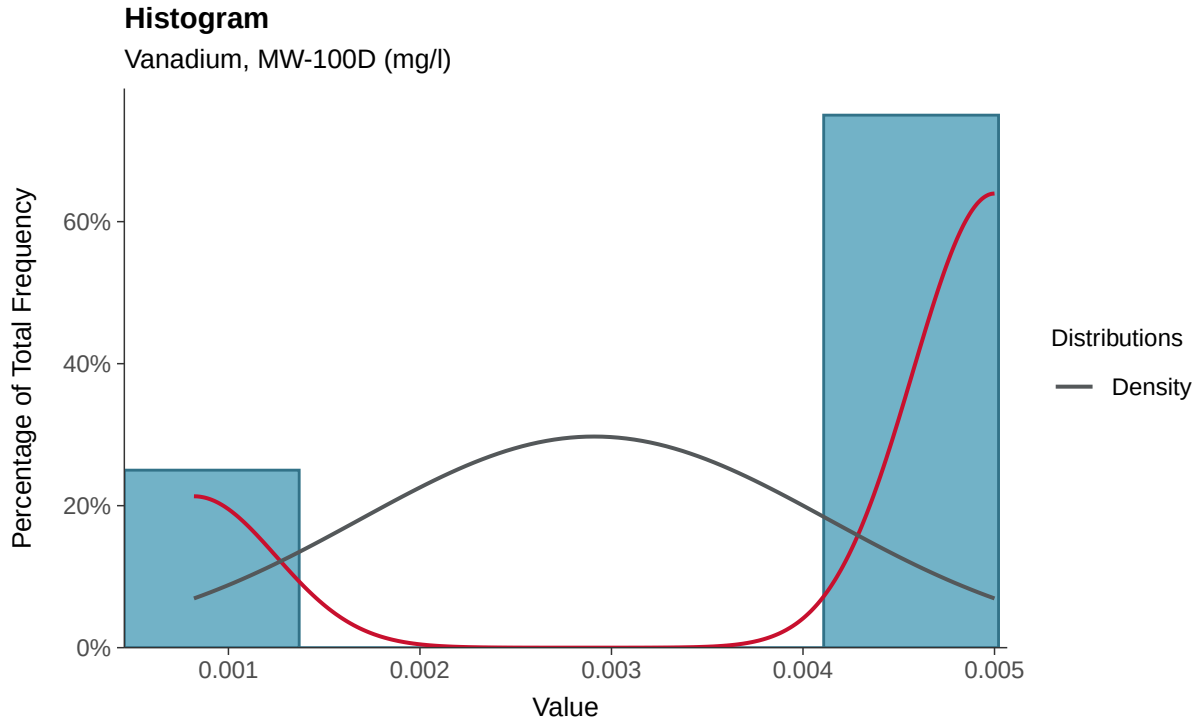
Silver, MW-100D (mg/l)



Part 115: Vanadium, MW-100D

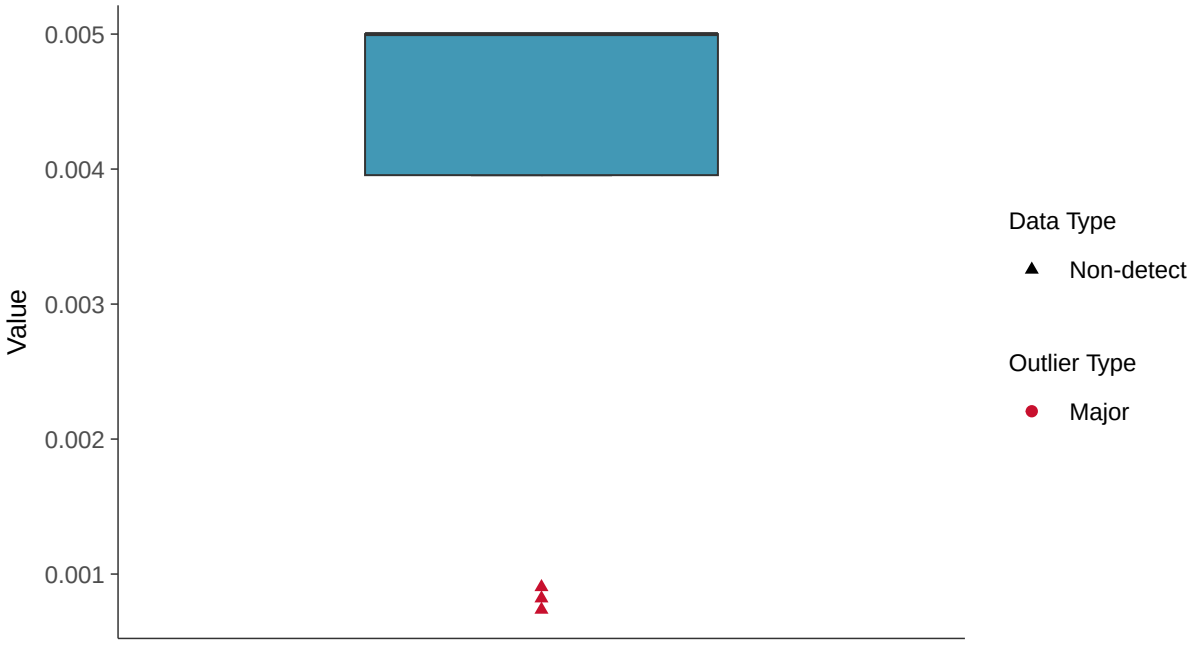
ID: 21_5_128





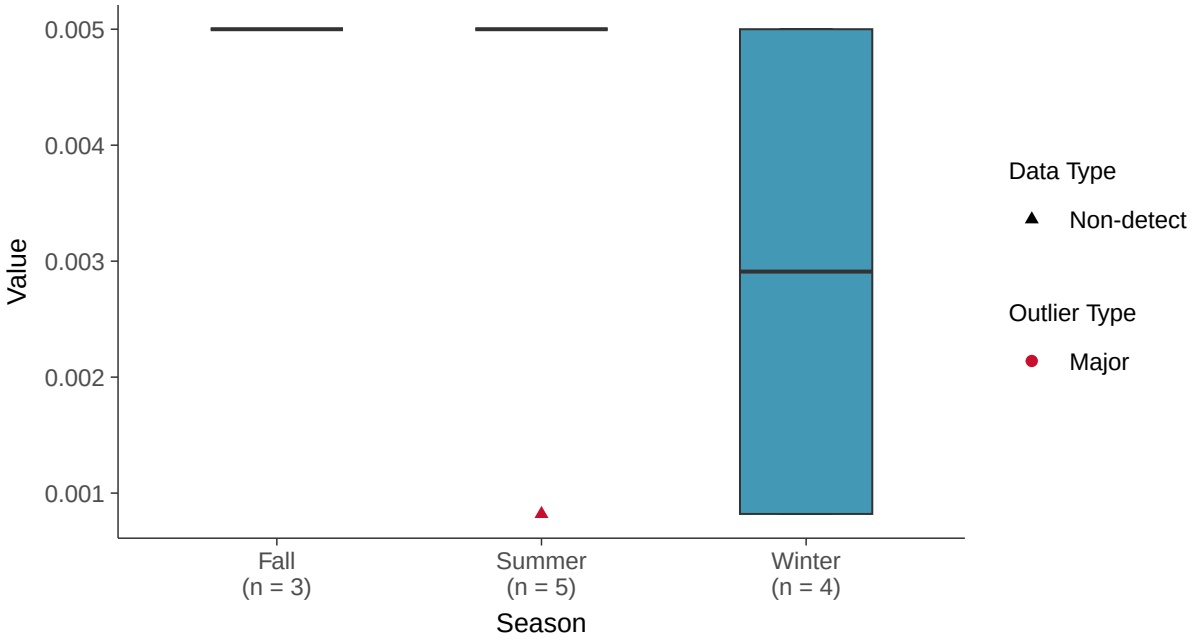
Boxplot

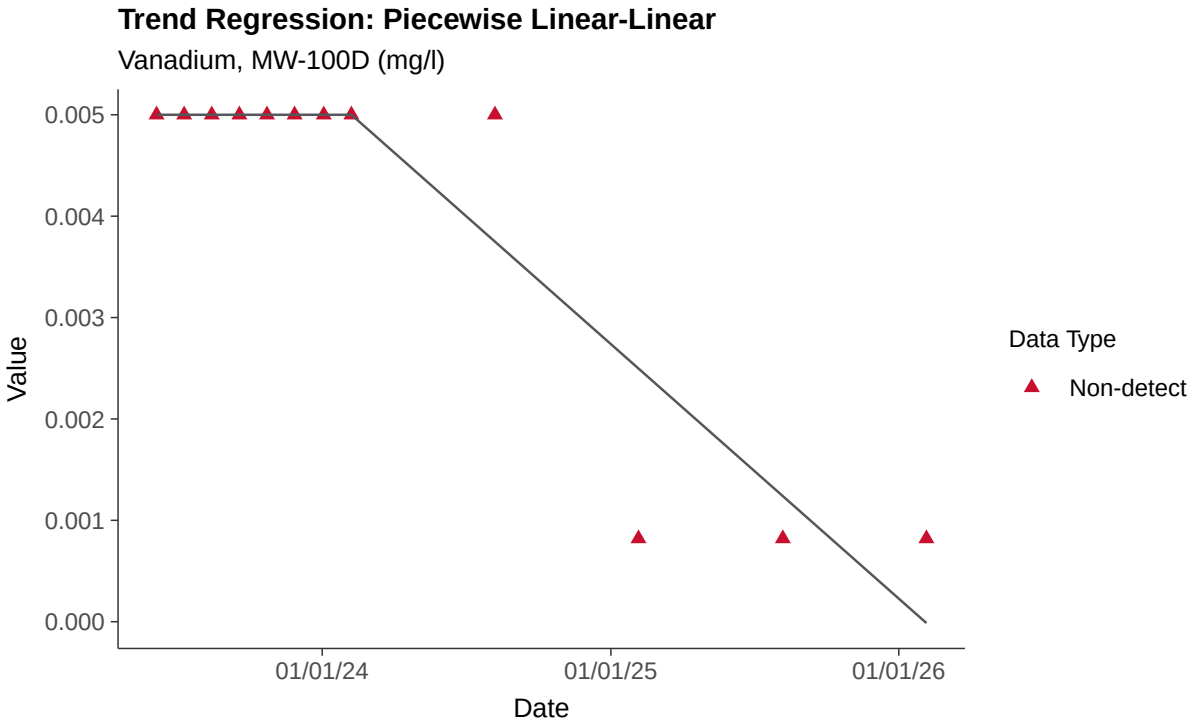
Vanadium, MW-100D (mg/l)



Boxplot by Season

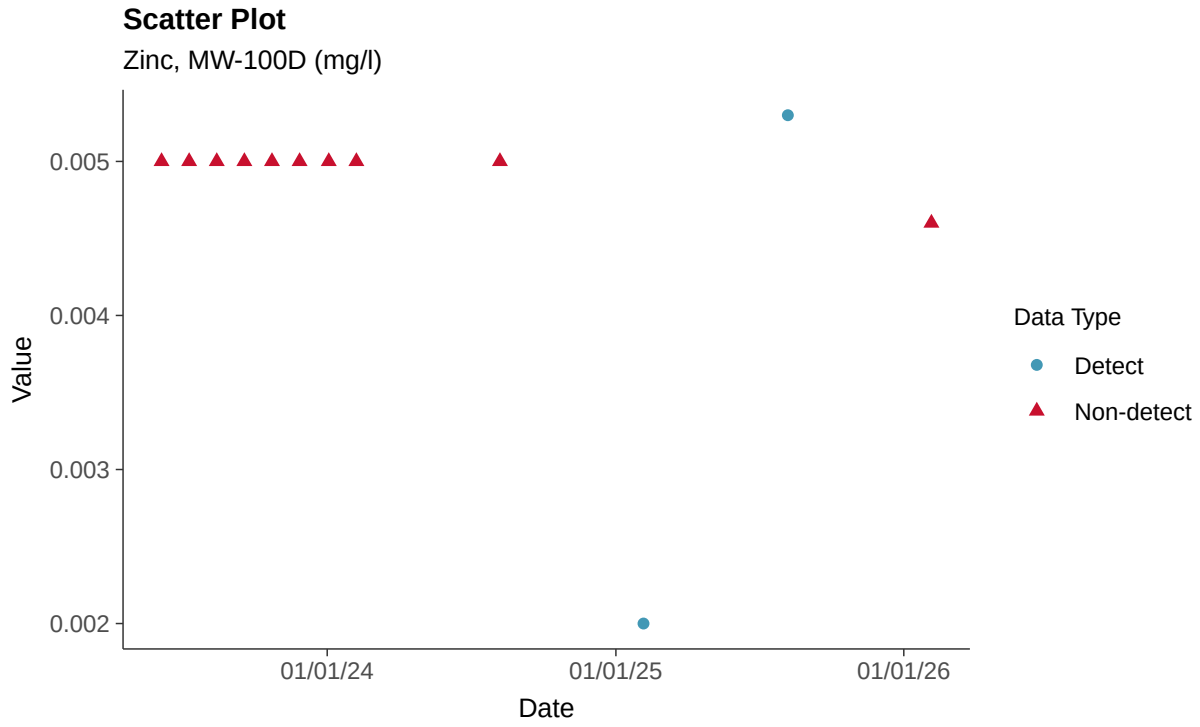
Vanadium, MW-100D (mg/l)

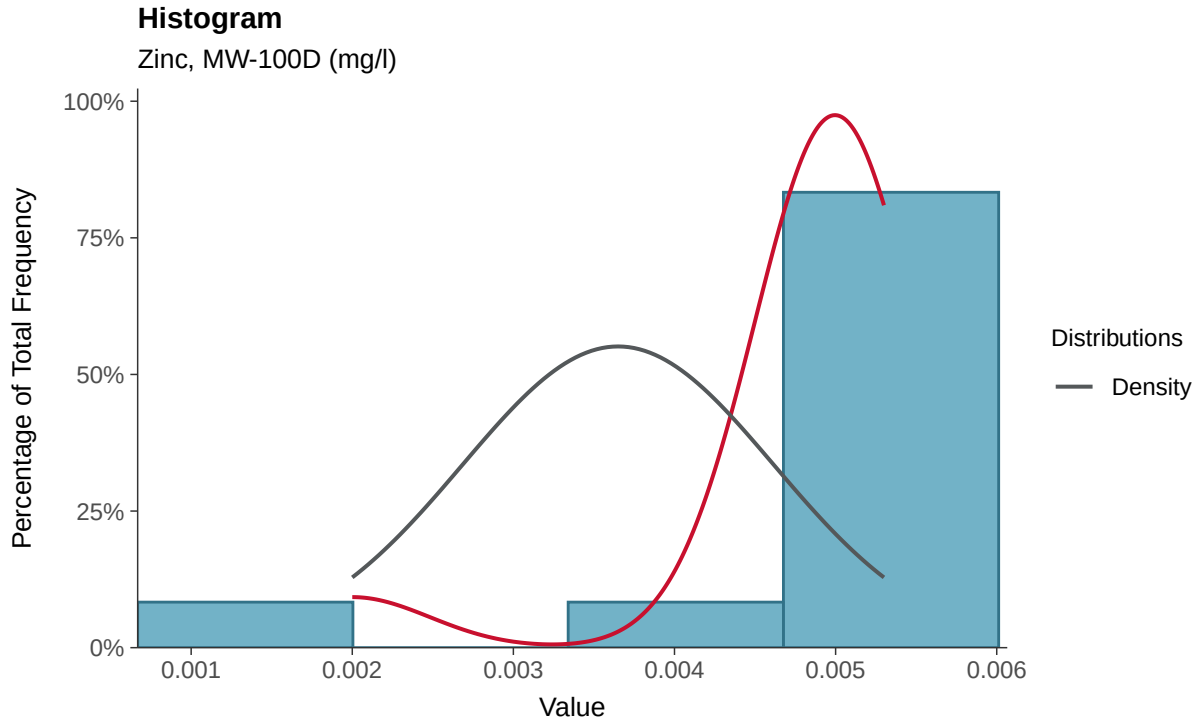



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-100D (mg/l)
0.005
0.004
0.003
0.002
0.001
0.000
Value
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-100D

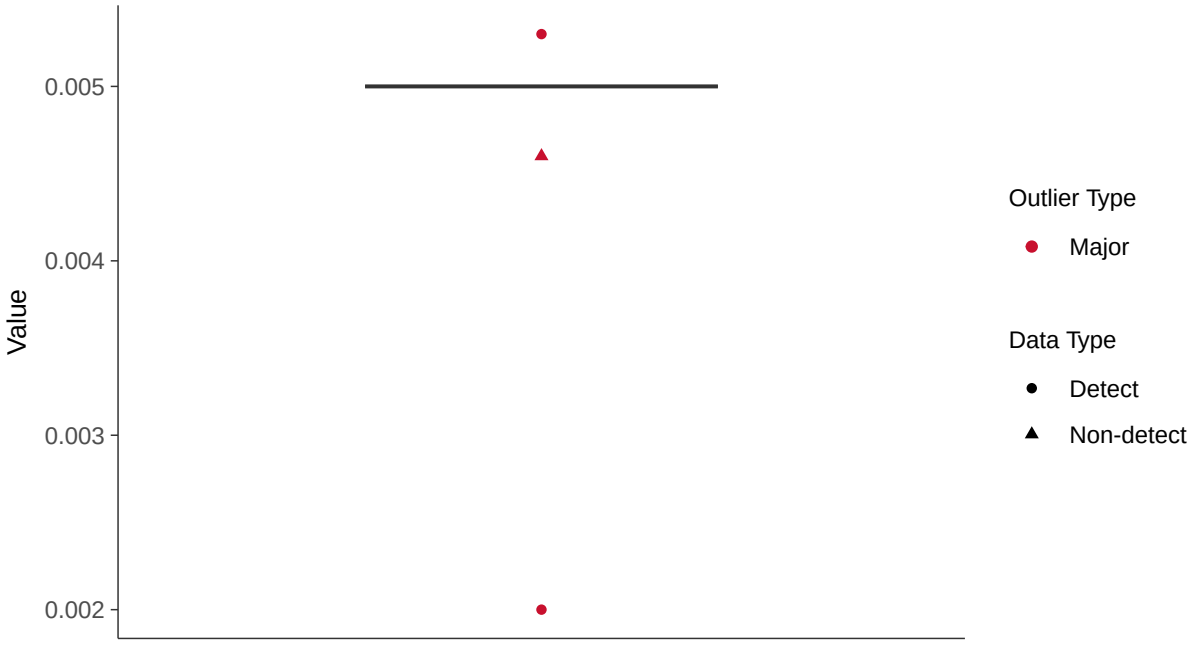
ID: 21_5_129





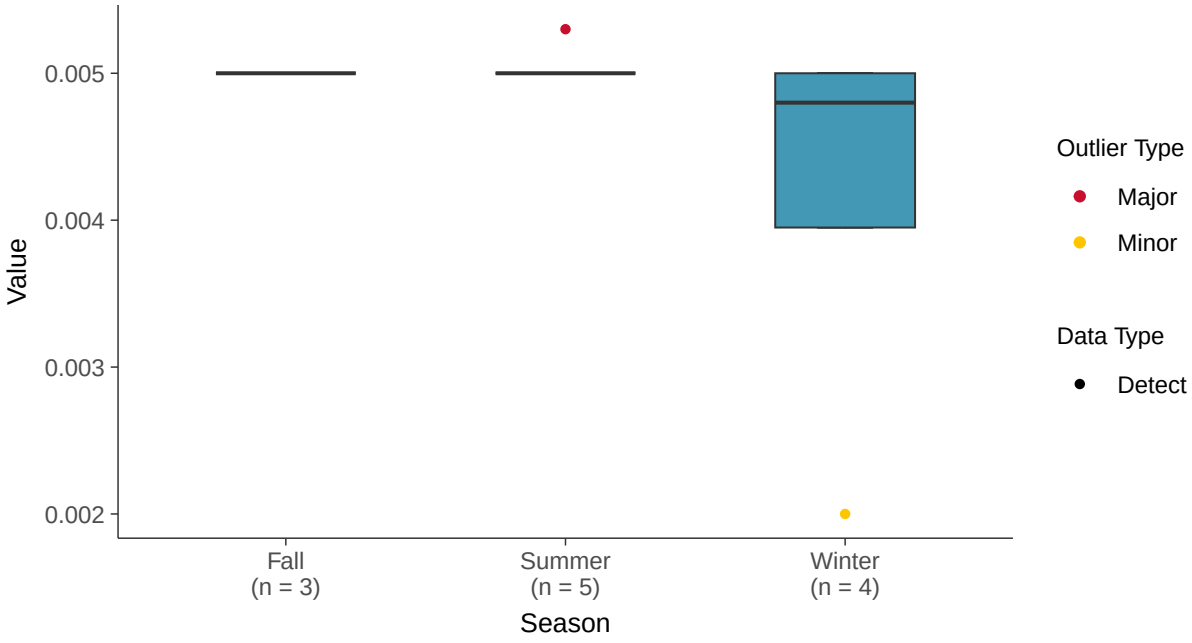
Boxplot

Zinc, MW-100D (mg/l)



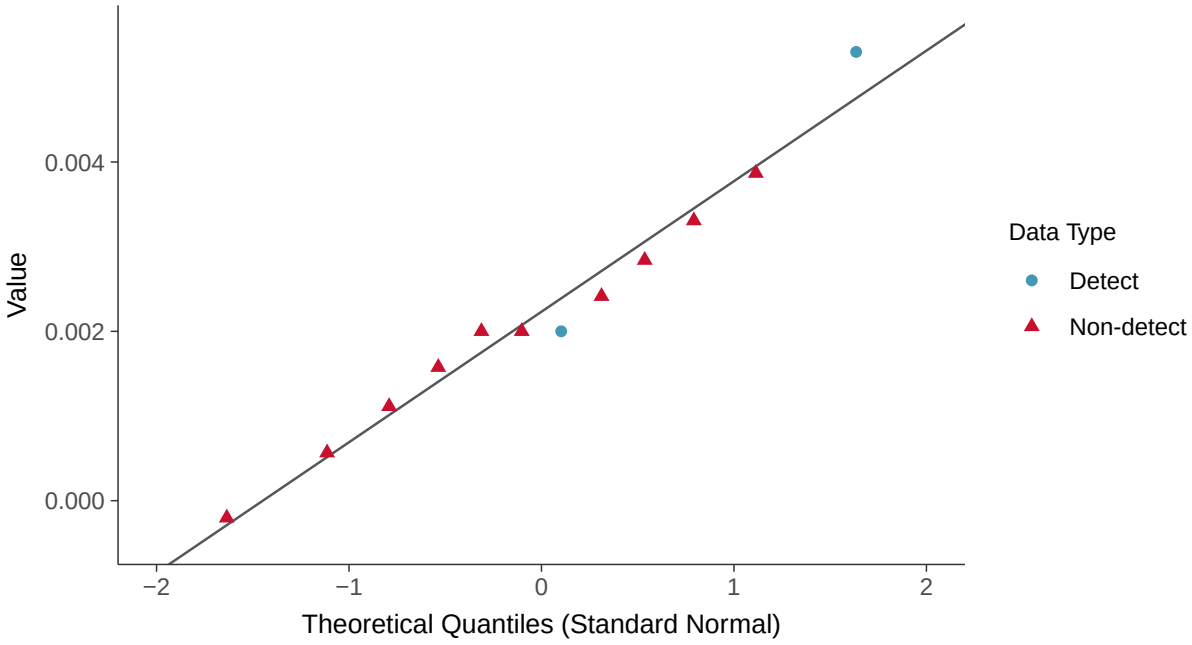
Boxplot by Season

Zinc, MW-100D (mg/l)



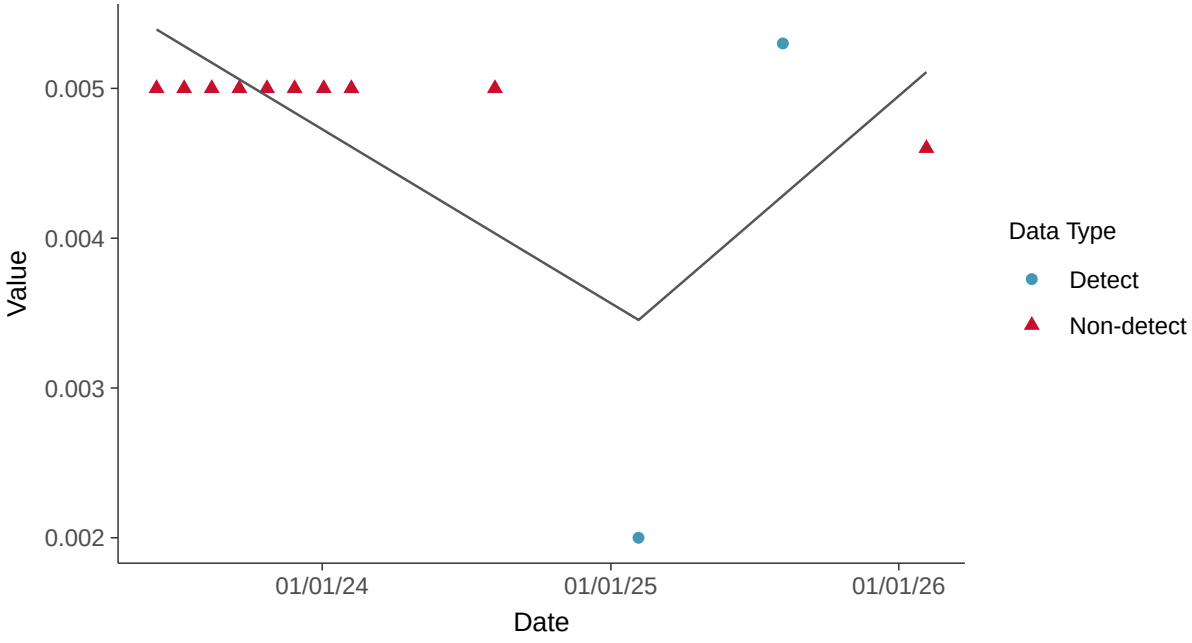
Normal Q-Q plot using ROS Imputed Estimates

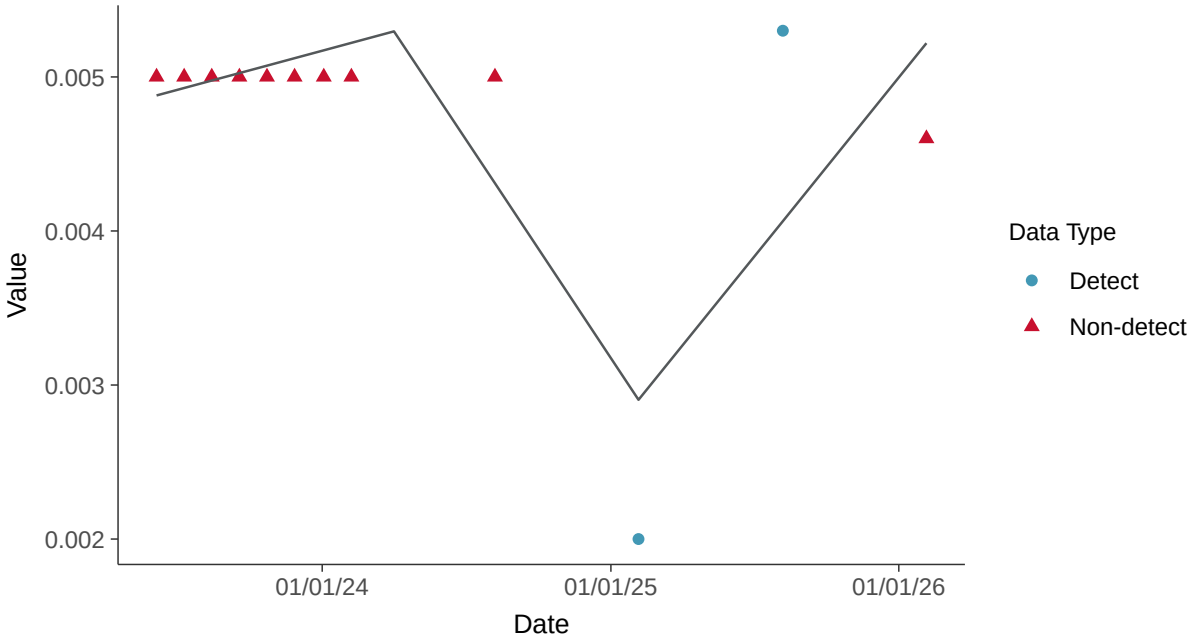
Zinc, MW-100D (mg/l)



Trend Regression: Piecewise Linear-Linear

Zinc, MW-100D (mg/l)



Trend Regression: Piecewise Linear-Linear-Linear

Zinc, MW-100D (mg/l)