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1st Quarter 2026 Groundwater Monitoring Report

For Michigan Part 115 CCR Solid Waste Regulations

Former J.B. Sims Generating Station

April 30, 2026

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1.0 Introduction

The former J.B. Sims Generating Station was a coal-fired, steam-generating power facility with a net capacity of approximately 70.5 megawatts that was operated by the Grand Haven Board of Light and Power (GHBLP). The facility is located at 1231 North 3rd Street, on Harbor Island, in Grand Haven, Michigan (**Figure 1**) (the Site). The coal combustion residuals (CCR) generated at the former Site were stored in two CCR units: (1) the inactive Units 1/2 Impoundment and (2) the former Unit 3A/B Impoundments (**Figure 2**). Operations at the Site ceased in February 2020 and the plant subsequently was decommissioned. During deconstruction, wastewater from boiler and infrastructure cleanout was sent to Unit 3A/B. The waste disposal into Unit 3A/B ceased in July 2020.

The U.S. Environmental Protection Agency's (EPA) final CCR Rule 40 CFR §257 and Michigan's Part 115 Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451 (Part 115), establish a comprehensive set of requirements for the management and disposal of CCR (or coal ash). Pursuant to these requirements, federal and state groundwater monitoring programs are performed concurrently for the Site. The current groundwater monitoring network for the CCR units was established in 2022. Background data collection occurred between November 2022 and August 2023 for the current monitoring network and background wells. The first sample event after the background monitoring period using the updated monitoring network occurred in October 2023. The October 2023 sampling event was considered both a detection and assessment monitoring event based on the prior status of the Site in assessment monitoring before the well network was updated. Both statistically significant increases (SSI) of constituents in groundwater above the background values and statistically significant levels (SSLs) of constituents over groundwater protection standards (GPS) were identified from the October 2023 sample event. Therefore, the status of the groundwater monitoring program for both CCR units is assessment monitoring and evaluation of potential remedies. The Site initiated assessment of corrective measures, pursuant to Part 115 R299.4443, on May 1, 2024, following the identification of SSIs at one or more monitoring wells. The Assessment of Corrective Measures was published August 5, 2024, and additional data collection will continue through 2025 and 2026 to further support the remedy selection process.

This Groundwater Monitoring Report presents the activities completed in the first quarter of 2026.

1.1 Background

The former Unit 3A/B Impoundments were engineered, clay-lined, above-ground units and ceased receiving CCR material in July 2020. In 2017, a Groundwater Monitoring System Certification was first developed for the 3A/B Impoundments, which consisted of one background well (MW-07), four (4) downgradient detection monitoring wells (MW-01R, MW-02, MW-03, and MW-04), and an additional assessment monitoring well (MW-09) (ERM, 2017). Groundwater monitoring conducted in 2017 by GHBLP identified statistically significant increases (SSIs) of constituents in groundwater, and therefore the GHBLP implemented assessment monitoring (Golder, 2018). Assessment monitoring identified SSLs over the GPS at

the Site, and therefore GHBLP stated that they were initiating assessment of corrective measures for the Site; however, that document was completed prior to the inclusion of Units 1/2 Impoundment CCR unit and therefore only represents the status of Unit 3A/B Impoundments (Golder, 2018a). The inactive CCR Units 1/2 Impoundment was a depression in the ground where sluiced ash was disposed. The inactive Units 1/2 Impoundment ceased receiving CCR material in 2012. After adding monitoring wells to the network to address the Units 1/2 Impoundment, the Updated Notice of Groundwater Protection Standard Exceedance was issued to document SSLs over GPS for both Units 1/2 Impoundment and Unit 3A/B Impoundments on July 22, 2021.

In 2021, to better understand the groundwater flow on the Island, and to verify that the monitoring network in place at the time was adequate, 22 piezometers, six (6) staff gauges, and 3 stilling wells were installed. These additional monitoring locations resulted in a better understanding of groundwater flow. The Field Summary Report of Results from Approved Work Plan - Piezometer Installation and Additional Data Collection suggested that MW-07 may be an inappropriate location for a background well due to the potential for groundwater to flow from the Units 1/2 Impoundment toward MW-07 (Golder, 2022). Therefore, in 2022 a new groundwater monitoring network was selected for the CCR units, including new background wells.

Background data collection for the updated monitoring network and new background wells occurred between November 2022 and August 2023. The first sample event after the updated background monitoring period occurred in October 2023, and quarterly monitoring was conducted in 2024, 2025, and the first quarter of 2026.

Figure 1 | Site Vicinity Map

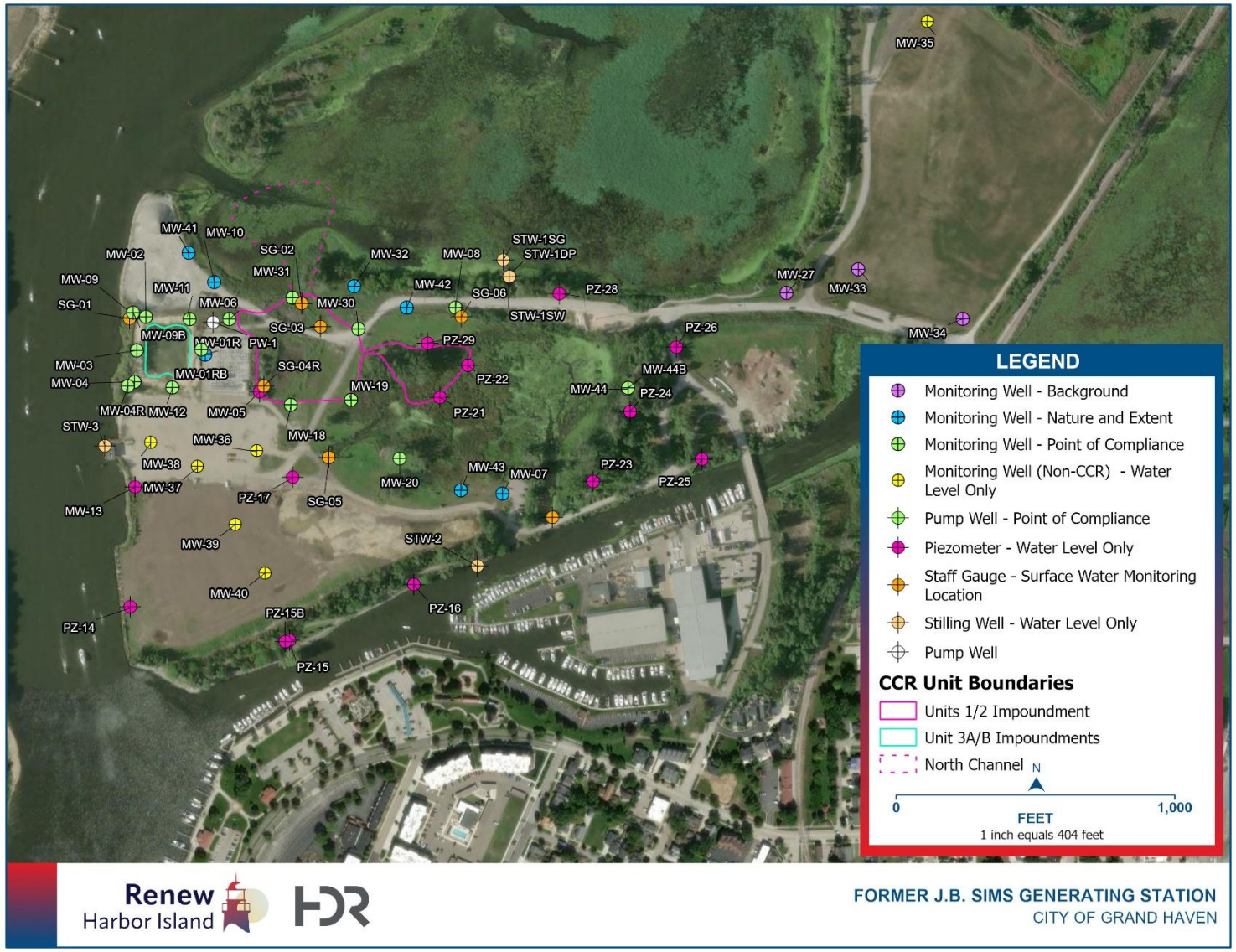

Figure 2 | Former J.B. Sims CCR Units and Monitoring Wells

2.0 Facility Description

2.1 Units 1/2 Impoundment

The inactive CCR Units 1/2 Impoundment was a depression in the ground where sluiced ash was disposed. The inactive Units 1/2 Impoundment ceased receiving CCR materials in 2012. Due to the abstract size and lack of defined boundaries, Units 1/2 Impoundment was delineated by Golder in the 2019 report *CCR Impoundment Ash Delineation at the J.B. Sims Generating Station* (Golder, 2019). Following the submission of the delineation report, a boundary of the inactive Units 1/2 Impoundment was agreed upon by GHBLP, EPA, and EGLE, which includes an area of sluiced ash disposal to the east of MW-30 into the Internal Wetland (**Figure 2**). The parties also agreed that the North Channel (**Figure 2**) adjacent to the Units 1/2 Impoundment would be evaluated for potential inclusion in the revised boundary of the Units 1/2 Impoundment. After field investigation of the North Channel area to delineate coal ash, and submittal of the investigation data and proposed additional data collection, EGLE and EPA determined that the coal ash associated with the North Channel is not associated with Units 1/2 Impoundment. EGLE and EPA indicated that the North Channel coal ash would be evaluated as a potential CCR Management Unit under the EPA CCR Legacy Rule (40 CFR §257.95) (currently under review by EPA) (**Figure 2**).

2.2 Unit 3A/B Impoundments

The former CCR Unit 3A/B Impoundments were constructed as two above-ground surface impoundments underlain by a clay liner; however, the engineered clay liner did not meet Part 115 CCR surface impoundment liner criteria (**Figure 2**). Golder (2020) stated that the former 3A/B Impoundments were built over a “field of ash” that was generated from Boiler Units 1 & 2. Although the former coal-fired power generation facility ceased operations in February 2020, the Site continued to use the Unit 3A/B Impoundments to store cleanout materials from the hoppers, vessels, etc. prior to demolition of the buildings. The impoundments ceased receiving waste on July 30, 2020. Removal of CCR from the impoundments was completed on November 6, 2020 and the liner remains in place. Following the CCR removal, Golder conducted coal ash removal verification that was ultimately denied by EGLE. Further coal ash delineation was conducted in 2025 to define the extent of any residual CCR on the roads adjacent to the Unit 3A/B Impoundments.

2.3 Hydrogeology

The uppermost aquifer across Harbor Island consists of fine sand with gravel and silt lenses, clay, peat, coal ash, and municipal solid waste located between the surface and 39 feet below surface. The bottom of the aquifer is believed to consist of a continuous fine-grained unit (silt and clay) observed between 20.8 and 39.0 feet below surface. The fine-grained unit has been observed between these depths in borings MW-12, MW-17, PZ-16, PZ-26, PZ-24, PZ-25, MW-30, MW-01RB, and four borings (DB-01 through DB-04) completed in November 2025 to further map the base of the aquifer.

The Grand River is located on the western side of Harbor Island, and the South Channel of the Grand River is located on the south side of Harbor Island. The northern side of Harbor Island is bordered by the Northern wetland, which is typically embayed by the Grand River during high river stages. The center of Harbor Island is the Internal Wetland. Other influences on groundwater flow on the Island include:

- Fill materials observed in boring logs
- Surface water features, such as the inactive Units 1/2 Impoundment and Internal Wetland
- The former coal pile area, which may have lower infiltration rates than other areas on the Island due to compaction from heavy equipment and former stockpiling of coal.

These features influence the groundwater velocity and flow direction and are very localized. Boring logs contained in the *Field Summary Report of Results from Approved Work Plan - Piezometer Installation and Additional Data Collection* show the observed fill materials encountered during well installation (Golder, 2022).

Groundwater mounding is typically present around monitoring well MW-01R, consistent with observations made by Golder in 2021 (Golder, 2022). A groundwater contour map from the first quarter 2026 sampling event is in **Appendix C**. The map shows groundwater flow beneath Unit 3A/B Impoundments is consistently west toward the Grand River. Groundwater flow beneath Units 1/2 Impoundment is generally radial: northward toward the Northern Wetland, east from the ponds of Units 1/2 Impoundment toward the Internal Wetland, and potentially south near MW-05 (**Appendix C**). The Internal Wetland east of the Units 1/2 Impoundment provides hydraulic separation between the CCR impoundments and the wells and piezometers located to the east (PZ-23 through PZ-26, MW-27, MW-33, and MW-34).

Groundwater was encountered between 5 and 15 feet below ground surface within the unconsolidated fill material. Golder (2022) reports slug test results at monitoring wells MW-01R, MW-02, MW-04, MW-05, MW-07, MW-08, PZ-17, PZ-20, PZ-26, and MW-31. Additional slug tests were performed by HDR in July and August 2024 at wells MW-10, MW-12, PZ-15, MW-16, MW-32, MW-36, and MW-40, and re-testing wells MW-17 and MW-20. in November 2025 slug tests were completed at new monitoring wells MW-41, MW-42, MW-43, MW-44, MW-44B, PZ-15B, MW-01RB, and MW-04R. Hydraulic conductivity from the tests range from 0.05 to 24 feet per day in wells screened in the shallow materials (sand, refuse, silt, muck), with the exceptions of wells MW-17 and MW-20 that are located along the perimeter of the Internal Wetland. Hydraulic conductivity of well MW-01RB was 180 feet per day, screened in the deeper sand (26 to 31 feet bgs). Additional information about groundwater velocity is included in Section 4.1.

2.4 Monitoring Well Network

The monitoring well network consists of the monitoring wells (MW-#) and piezometers (PZ-#) listed in **Table 1** and shown in **Figure 2**. The monitoring wells are sampled for water quality and water levels are monitored. The piezometers are monitored only for water levels. Note that if

water quality monitoring is initiated at a piezometer, the designation of the monitoring point is changed (i.e., PZ-13 was recently re-designated as MW-13). The monitoring network for each impoundment is described below.

Units 1/2 Impoundment

Due to the size of Units 1/2 Impoundment compared to the limits of Harbor Island, and variable groundwater flow direction, a traditional upgradient/downgradient groundwater monitoring system is not possible. Further detail explaining the locations and justification of each well location is provided in the Hydrogeologic Monitoring Plan (HMP - HDR, 2025). The following wells are utilized as the groundwater monitoring network:

- Background Wells: MW-27, MW-33, and MW-34
- Point of Compliance Wells (i.e. waste boundary wells): MW-06, MW-08, MW-18, MW-19, MW-20, MW-30, and MW-31
- Nature and Extent Wells: MW-07, MW-10, MW-16, MW-17, MW-28, MW-32, MW-36, MW-37, MW-42, and MW-43.

In November 2025, new monitoring wells MW-42 and MW-43 were installed as nature and extent wells for the Units 1/2 Impoundment. The wells were sampled for the first time in December 2025 and for the second time in the first quarter of 2026 (February). Further details regarding the new wells are discussed in the Remedy Selection Progress Update (Section 5.0).

Unit 3A/B Impoundments

The monitoring well network justification for the Unit 3A/B Impoundments is provided in the Hydrologic Monitoring Plan (HDR, 2025). The well network is as follows:

- Background Wells: MW-27, MW-33, and MW-34
- Point of Compliance Wells (i.e. waste boundary wells): MW-02, MW-03, MW-04, MW-04R, MW-11, and MW-12
- Nature and Extent Wells: MW-01R, MW-09, MW-10, MW-13, MW-38, MW-39, and MW-41.

In November 2025, new monitoring well MW-41 was installed as a nature and extent well for the Unit 3A/B Impoundments. Also in November 2025, monitoring well MW-09B was installed to evaluate water levels and water quality adjacent to but deeper than well MW-09; and monitoring wells MW-04R and MW-01RB were installed as potential replacement wells for MW-04 and MW-01R due to coal ash in the screened interval of the two existing monitoring wells. These four wells were sampled for the first time in December 2025, and for the second time in February 2026. Further details regarding the installation and testing of these new wells are discussed in the Remedy Selection Progress Update (Section 5.0).

Water Level Wells

The following monitoring wells and piezometers are monitored for water level only and are not sampled: MW-05, PZ-14, PZ-15, PZ-21, PZ-22, PZ-23, PZ-24, PZ-25, PZ-26, PZ-29, MW-35,

and MW-40, shown on **Figure 2**. Piezometers PZ-21, PZ-22, and PZ-29 were installed within the Internal Wetland and are inaccessible at times and therefore are monitored less frequently.

In November 2025, new wells MW-44, MW-44B, and piezometer PZ-15B were installed to evaluate non-CCR impacts and to monitor water levels at the groundwater-surface water interface near the Internal Wetland and the South Channel. In December 2025, water quality samples were collected for non-CCR parameters, and water samples were collected from piezometer PZ-15B for CCR constituents. Wells MW-44, MW-44B, and piezometer PZ-15B will be monitored for water level only in future monitoring events for the CCR compliance monitoring program. Further details regarding the installation and testing of these new wells are discussed in the Remedy Selection Progress Update (Section 5.0).

Transducers have been installed in the monitoring wells, stilling wells, and staff gauges that are marked on **Figure 3** with (T) next to the location ID. The transducers measure and record groundwater elevations at one-hour intervals and are described in further detail in Section 4.1.

No wells were abandoned in the first quarter of 2026, but the transducer was removed from MW-34 after more than two years of monitoring. As discussed in Sections 3.2 and 4.1, modifications have been made to stilling wells STW-1 and STW-2. Three new transducers have been purchased to replace failed or damaged instruments.

Figure 3 | Transducer Deployment Map

3.0 Monitoring

3.1 Groundwater Monitoring

Table 1 provides well identification numbers, well locations, the dates samples were collected during Quarter 1 (February) 2026, and whether a sample was required by the CCR Rule for background sampling, detection monitoring or assessment monitoring programs. Any deviation in sample collection from the Hydrogeologic Monitoring Plan (HDR, 2025) is outlined in **Section 3.3**. Sampling for the 1st quarter began on February 16, 2026. Water levels across the network were measured on the same day.

Table 1. Dates of Groundwater Monitoring in First Quarter 2026

Monitoring Well I.D.	Date Sampled	Monitoring Purpose
Background Monitoring Wells		
MW-27	2/17/2026	Assessment Monitoring
MW-33	2/17/2026	Assessment Monitoring
MW-34	2/17/2026	Assessment Monitoring
Units 1/2 Compliance Monitoring Wells		
MW-06	2/17/2026	Assessment Monitoring
MW-08	2/18/2026	Assessment Monitoring
MW-18	2/19/2026	Assessment Monitoring
MW-19	2/18/2026	Assessment Monitoring
MW-20	2/19/2026	Assessment Monitoring
MW-30	2/16/2026	Assessment Monitoring
MW-31	2/16/2026	Assessment Monitoring
Unit 3A/B Compliance Monitoring Wells		
MW-02	2/17/2026	Assessment Monitoring
MW-03	2/19/2026	Assessment Monitoring
MW-04	2/19/2026	Assessment Monitoring
MW-04R	2/19/2026	Assessment Monitoring
MW-11	2/17/2026	Assessment Monitoring
MW-12	2/18/2026	Assessment Monitoring
Nature and Extent Wells		
MW-01R	2/19/2026	Assessment Monitoring
MW-01RB	2/19/2026	Assessment Monitoring
MW-07	2/19/2026	Assessment Monitoring
MW-09	2/17/2026	Assessment Monitoring
MW-10	2/17/2026	Assessment Monitoring
MW-13	2/18/2026	Assessment Monitoring
MW-16	2/19/2026	Assessment Monitoring
MW-17	2/18/2026	Assessment Monitoring
MW-28	2/18/2026	Assessment Monitoring
MW-32	2/16/2026	Assessment Monitoring
MW-36	2/18/2026	Assessment Monitoring

Table 1. Dates of Groundwater Monitoring in First Quarter 2026		
Monitoring Well I.D.	**Date Sampled**	**Monitoring Purpose**
MW-37	2/18/2026	Assessment Monitoring
MW-38	2/18/2026	Assessment Monitoring
MW-39	2/16/2026	Assessment Monitoring
Water Level Only Wells		
MW-05	2/16/2026	Water Level Only
PZ-14	2/16/2026	Water Level Only
PZ-15	2/16/2026	Water Level Only
PZ-23	2/16/2026	Water Level Only
PZ-24	2/16/2026	Water Level Only
PZ-25	2/16/2026	Water Level Only
PZ-26	2/16/2026	Water Level Only
PZ-29	2/16/2026	Water Level Only
MW-35	2/16/2026	Water Level Only
MW-40	2/16/2026	Water Level Only

3.2 Surface Water Monitoring

Surface water monitoring coincides with the groundwater sampling. The stilling wells (STW-1, STW-2, STW-3) and staff gauges SG-01, SG-03, and SG-06 are monitored for water levels only. Staff gauges SG-02, SG-04R, SG-05, SG-07 are monitored for water levels and surface water quality (**Figure 2**), but in February 2026 no surface water samples were collected due to the surface water being frozen. Surface water monitoring dates for the first quarter 2026 are shown in **Table 2**. Deviations from the work plan are outlined in **Section 3.3**.

Due to ongoing dry conditions in the Northern Wetland, stilling well STW-1 was replaced in November 2025 with a new stilling well (STW-1SW) to monitor surface water, and paired with a new drive point well (STW-1DP) to monitor shallow groundwater beneath the wetland surface. Both points are accessible along the northern shoreline of Harbor Island (**Figure 2**), and both were surveyed in March 2026. The STW-1 staff gauge (designated STW-1SG) remains located approximately 40 yards offshore, and is currently inaccessible across the Northern Wetland mud flat.

Table 2. Dates of Surface Water Monitoring in First Quarter 2026

Well ID	Monitoring Date
SG-01	2/16/2026[1]
SG-02	2/16/2026[2]
SG-03	2/16/2026[2]
SG-04R	2/16/2026[2]
SG-05	2/16/2026[1]
SG-06	2/16/2026[1]
SG-07	2/16/2026[1]
STW-1SW	2/16/2026[1]
STW-1DP	2/16/2026[2]
STW-1SG	2/16/2026[1]
STW-2	2/16/2026[2]
STW-3	2/16/2026[2]

1 – Monitoring location was dry, no surface water level was measured at the gauge.
2 - Monitoring location was frozen, no surface water level was recorded.

3.3 Water Level and Sample Collection

Monitoring wells were purged with a peristaltic pump until field parameters (pH, turbidity, conductivity, dissolved oxygen, temperature, and oxidation reduction potential) stabilized. The results of field measurements were recorded on a field data form, which is maintained as part of the field records and provided in **Appendix A**. After water quality parameters stabilized, samples were collected and tested for the parameters listed in **Table 3**. For quality control, one field duplicate sample was collected for each CCR unit per sampling event (two duplicate samples total per event; collected at monitoring wells MW-11 and MW-33). The following deviations from the Hydrogeologic Monitoring Plan for CCR Compliance were noted during the first quarter of 2026 sampling event:

- Water levels were not measured in February 2026 at piezometer PZ-21 due to inaccessibility (deep wetland muck).
- In February 2026, water levels were not measured at staff gauges SG-01, SG-05, SG-06, STW-1SG, and at stilling well STW-1SW due to low surface water conditions and no water at the monitoring points. Water was present but frozen at staff gauges SG-02, SG-03, SG-04R, SG-07, and Grand River stilling wells STW-2 and STW-3.
- The PVC casing at stilling well STW-2 was replaced with steel casing in the fourth quarter 2025, and re-surveyed in March 2026. A new transducer could not be installed prior to the first quarter 2026 monitoring event due to river ice but was installed in March 2026. A new transducer was also installed in stilling well STW-3 in March 2026. The PVC casing at stilling well STW-3 is planned to be replaced with a steel casing in 2026.

3.4 Analytical Testing

Groundwater samples collected from the monitoring wells listed in **Table 1** were analyzed for the constituents listed in **Table 3**.

Table 3. Constituents of Interest	
Constituents for Assessment Monitoring	
Antimony	Mercury
Arsenic	Molybdenum
Barium	Nickel
Beryllium	Radium-226
Boron	Radium-226/228
Cadmium	Radium-228
Calcium	Selenium
Chloride	Silver
Chromium	Sulfate
Cobalt	Thallium
Copper	Total Dissolved Solids (TDS)
Fluoride	Vanadium
Iron	Zinc
Lead	**Additional Parameters**
Lithium	Total Suspended Solids (TSS)

3.5 Data Validation and Management

Data validation and data management tasks were performed pursuant to the Hydrogeologic Monitoring Plan. Data validation was performed for sampling dates provided in **Table 1**. Data validation was conducted to eliminate any data that did not meet validation criteria and to designate a data qualifier for any data quality limitation discovered.

Samples and quality control (QC) data for the reporting period were reviewed and evaluated, and no samples were rejected. Most QC analyses were within reportable limits; however, when QC was outside control limits, samples were reported as estimated. Data analyses required minimal qualifications, and the data were usable, even when qualified. Data validation reports are contained in **Appendix B**.

4.0 Monitoring Results

4.1 Water Levels and Groundwater Flow Direction

A potentiometric contour map was developed for the first quarter 2026 sampling event using the data provided in **Table 4**. The map displays the groundwater elevations and inferred potentiometric contours, and is provided in **Appendix C**. A hydrograph illustrating groundwater levels in monitoring wells near the Units 1/2 Impoundment for the November

2022 through February 2026 monitoring period is shown in **Figure 4.** Groundwater around the perimeter of the impoundment has ranged from approximately 578.30 (MW-31) to 581.50 (MW-06) feet above mean sea level (ft AMSL) during this period. A hydrograph illustrating groundwater levels in perimeter wells surrounding the Unit 3A/B Impoundments (**Figure 5)** indicates groundwater elevation beneath the impoundment ranged from 578.03 (MW-04) to 582.35 (MW-12) ft ASML during the November 2022 through February 2026 monitoring period.

Groundwater beneath the former CCR impoundments is inferred to be generally radial, flowing toward the Grand River, the North Channel, and the Internal Wetland. Potentiometric contours created from the groundwater elevations in **Table 4** show north and northwestern flow beneath Unit 3A/B Impoundments toward the Grand River, consistent with previous observations. Flow beneath the Units 1/2 Impoundment is generally eastward toward the Internal Wetland, with the Internal Wetland having been consistently shown to be a hydraulic sink for Harbor Island. Groundwater flow near the North Channel outlet near SG-02 and MW-31 has been inferred to be towards the north.

The groundwater flow direction observed at background wells MW-27, MW-33, and MW-34 is consistent with previous observations. Because groundwater typically converges on the Internal Wetland from both the west side, where the impoundments are located, and from the east side, where the background wells are located, it can be inferred that groundwater under the CCR impoundments cannot flow to the background monitoring well locations east of the Internal Wetland.

Table 4. Groundwater and Surface Water Elevations in First Quarter 2026

Well ID	Groundwater Elevation (02/16/2026)
MW-01R	580.47
MW-02	578.41
MW-03	578.49
MW-04	578.59
MW-05	579.99
MW-06	580.35
MW-07	578.55
MW-08	579.10
MW-09	578.33
MW-10	579.36
MW-11	580.37
MW-12	580.05
MW-13	578.33
PZ-14	578.65
PZ-15	578.69
MW-16	578.33
MW-17	579.30
MW-18	579.85

Table 4. Groundwater and Surface Water Elevations in First Quarter 2026	
Well ID	**Groundwater Elevation (02/16/2026)**
MW-19	579.45
MW-20	579.51
PZ-21	Inaccessible
PZ-22	578.96
PZ-23	578.52
PZ-24	578.14
PZ-25	578.28
PZ-26	579.71
MW-27	579.73
MW-28	578.89
PZ-29	579.29
MW-30	579.39
MW-31	579.90
MW-32	578.31
MW-33	580.38
MW-34	579.24
MW-35	580.75
MW-36	579.91
MW-37	579.18
MW-38	578.93
MW-39	579.32
MW-40	579.72
SG-01	DRY
SG-02	FROZEN
SG-03	FROZEN
SG-04R	FROZEN
SG-05	DRY
SG-06	DRY
SG-07	FROZEN
STW-1SG	DRY
STW-1SW	DRY
STW-1DP	578.20*
STW-2	FROZEN
STW-3	FROZEN

* - Water level was measured by datalogging transducer.

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Table 5. Groundwater Velocity Calculations

Well Pair	Area of Harbor Island	Distance (ft)	Porosity[1]	Hydraulic Conductivity (ft/day)	Groundwater Elevation (ft/ASML)	Hydraulic Gradient	Groundwater Velocity (ft/day)
PZ-25	Eastern	413	0.3	8.342[2]	578.28	0.0025	0.069
PZ-26					579.71		
PZ-25		400	0.3	8.342[2]	578.28	0.0004	0.012
PZ-23					578.52		
MW-01R	Western	247	0.3	6.233[3]	578.32	0.0005	0.010
MW-03					578.59		
MW-01R		274	0.3	6.233[3]	578.32	0.0005	0.010
MW-04					578.03		
MW-01R		226	0.3	6.233[3]	578.32	0.0035	0.072
MW-05					580.35		
MW-01R		262	0.3	6.233[3]	578.32	0.0018	0.037
MW-10					579.36		

1. Porosity value estimated using reference values for poorly sorted fine to medium sand (Freeze-Cherry, 1979).
2. Average hydraulic conductivity value from Golder (2022) on PZ-26.
3. Calculated by averaging hydraulic conductivity values from wells MW-01R, MW-02, MW-04, and MW-05 (Golder, 2022).

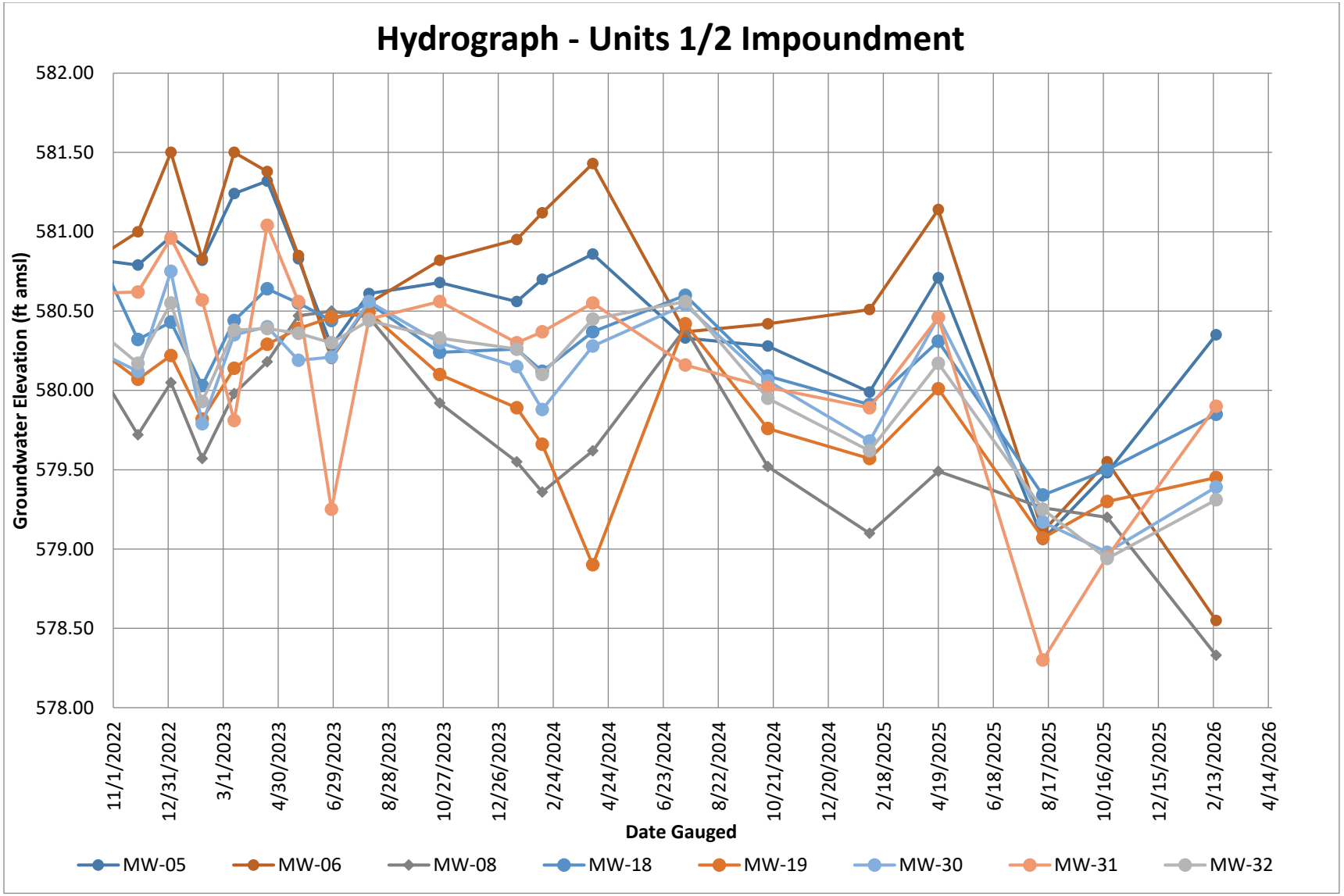


Figure 4 | Hydrograph of Wells Near Units 1/2 Impoundment

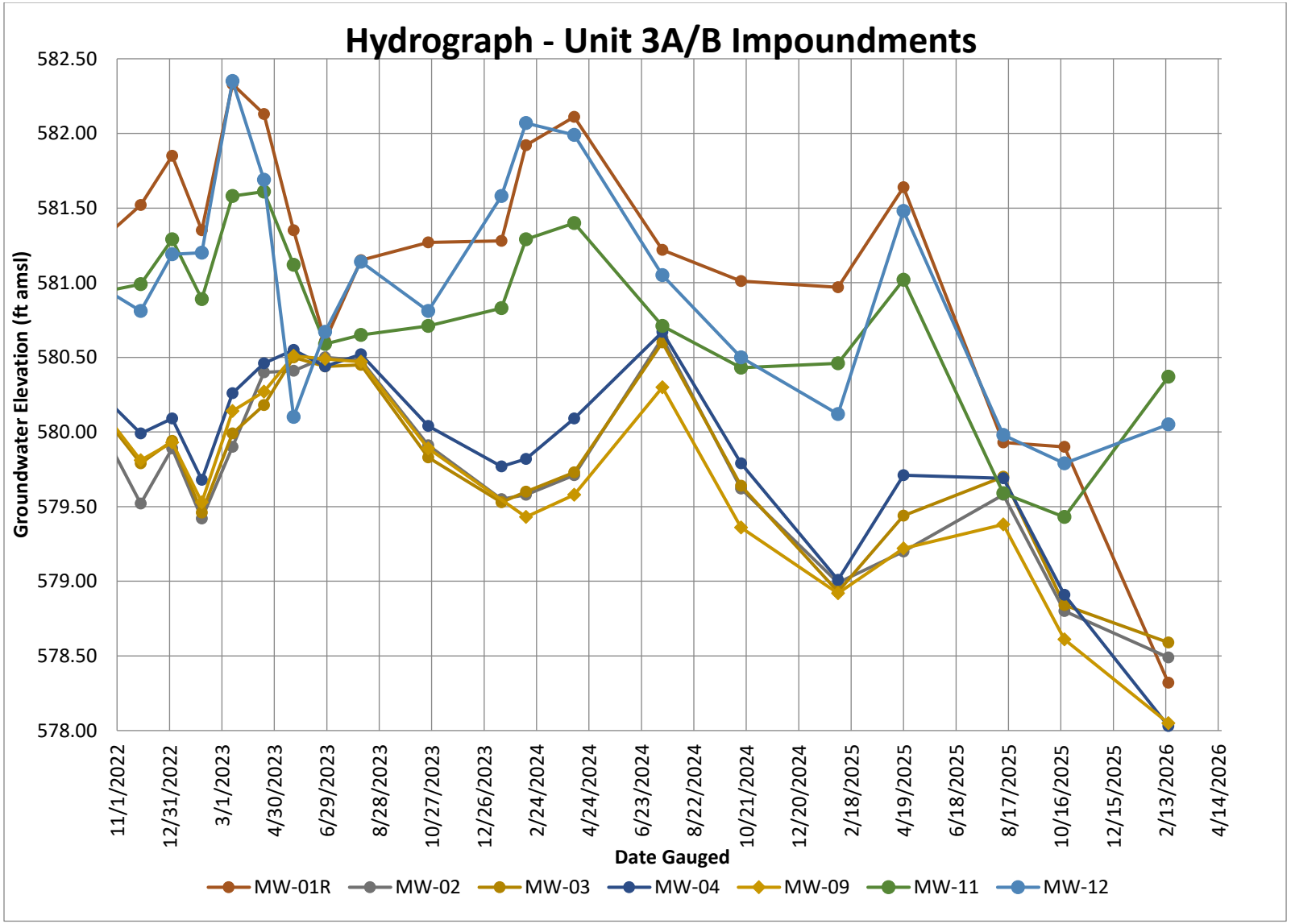


Figure 5 | Hydrograph of Wells and Piezometers Near Unit 3A/B Impoundments

Pressure transducers have been installed at the locations shown in **Figure 3**. Transducer data has been collected from December 21, 2023, through the most recent download on February 20, 2026. Several of the original 17 transducers have experienced internal failures or external damage, resulting in the following modifications to the transducer network:

- The staff gauge SG-05 cable was severed by wildlife and has not been replaced.
- The stilling well STW-2 cable and PVC stilling well were severed by ice flows in the Grand River. A new transducer was installed in a new steel STW-2 stilling well in March 2026.
- The stilling well STW-3 transducer experienced an internal memory failure, and was replaced in March 2026.
- The monitoring well MW-09 transducer had an internal sensor error and recorded anomalous data. The transducer was replaced in March 2026.
- The staff gauge SG-07 transducer experienced an internal sensor error and recorded anomalous data. The transducer was replaced in March 2026.

The stilling well STW-1 monitoring point was reconfigured in November 2025 as stilling well STW-1SW, and shallow groundwater drive point STW-1DP. The STW-1 transducer was moved to drive point STW-1DP in November 2025.

Trends observed from the limited dataset are as follows:

- Groundwater at monitoring well MW-31 has been lower than the surface water elevation at staff gauge SG-02 since May 2025. A transducer reading of 579.05 ft amsl is the elevation where the staff gauge reads 0.38 and the north pond is effectively dry. The impoundment pond monitored by SG-02 has been effectively dry since June 2025, and the groundwater elevation at MW-31 has been as much as approximately 1.0 feet below the wetland sediment surface. A hydrograph of the measurements is shown on **Figure 6**.
- The groundwater elevation at monitoring well MW-05 is higher than the surface water elevation of the south pond at staff gauge SG-04R, during periods of significant precipitation. However, for the majority of the time, and in particular since May 2025, the groundwater elevation at MW-05 has been below the surface of the impoundment, indicating that precipitation falling on, or collecting on the impoundment infiltrates to groundwater. A transducer reading of 580.0 ft amsl is the elevation where the staff gauge reads 0.15 and the pond is effectively dry. A hydrograph of the measurements is shown on **Figure 7.**
- Groundwater at well MW-16, located on the south side of the Island near the South Channel, is higher than surface water at stilling well STW-2 through the fall, winter and spring, indicating groundwater flow is toward the South Channel for the majority of the year. Due to the loss of the STW-2 transducer in October 2024, the Lake Michigan stage

data has been used to supplement the approximate stage of the Grand River[1]. Through the summer of 2024, the MW-16 groundwater elevation was approximately equal to the South Channel stage at STW-2, meaning that there is limited groundwater flow from the Island to the river. After October 2024, when the STW-2 transducer was lost, the MW-16 water levels parallel the Lake Michigan record. A new transducer was installed in STW-2 in March 2026. A hydrograph of the measurements is shown on **Figure 8**.

- The surface water elevation at SG-07 is generally lower than groundwater at PZ-24, indicating groundwater discharge from the east side of the Island toward the Internal Wetland. However, in the summer months, the water level at PZ-24 may decline below the level of the Internal Wetland and the Grand River, due to evapotranspiration. Note that a new transducer was installed in SG-07 in March 2026. A hydrograph of the measurements is shown on **Figure 9**.
- On the western side of the Island, a comparison of stilling well STW-3, monitoring well MW-13, and piezometer PZ-14 indicates that groundwater discharges to the Grand River the majority of the time. A hydrograph of the measurements is shown on **Figure 10.**
- A comparison of monitoring well MW-08 and staff gauge SG-07 evaluates groundwater-surface water interactions on the north side of the Internal Wetland (at MW-08). Well MW-08 was typically higher in elevation generally between December 2023 and May 2024, indicating groundwater discharge to the Internal Wetland. Between June and September 2024, the Internal Wetland water surface was higher than groundwater at MW-08, indicating surface water in the wetland may infiltrate to groundwater, and flow north toward the North Wetland. As noted, a new transducer was installed in SG-07 in March 2026. A hydrograph of the measurements is shown on **Figure 11**.

[1] National Oceanic and Atmospheric Administration (NOAA) Tides and Currents website, station 9087031 (Holland, MI) - Water Levels - NOAA Tides & Currents

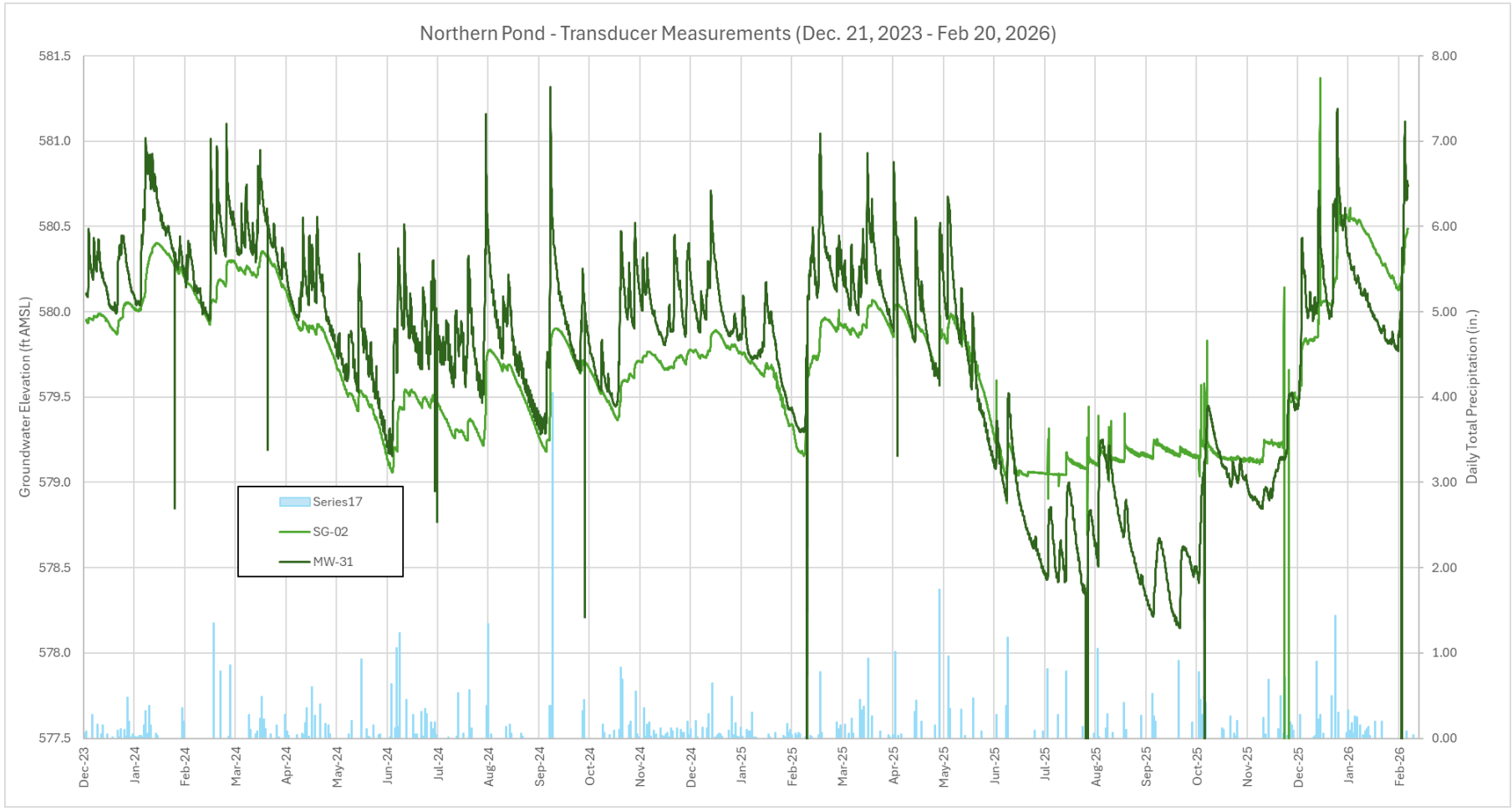


Figure 6 | Transducer Measurement Graph: Staff Gauge SG-02 and Monitoring Well MW-31

When the SG-02 transducer reads 579.05 ft amsl, the staff gauge reads 0.38 and the pond is effectively dry.

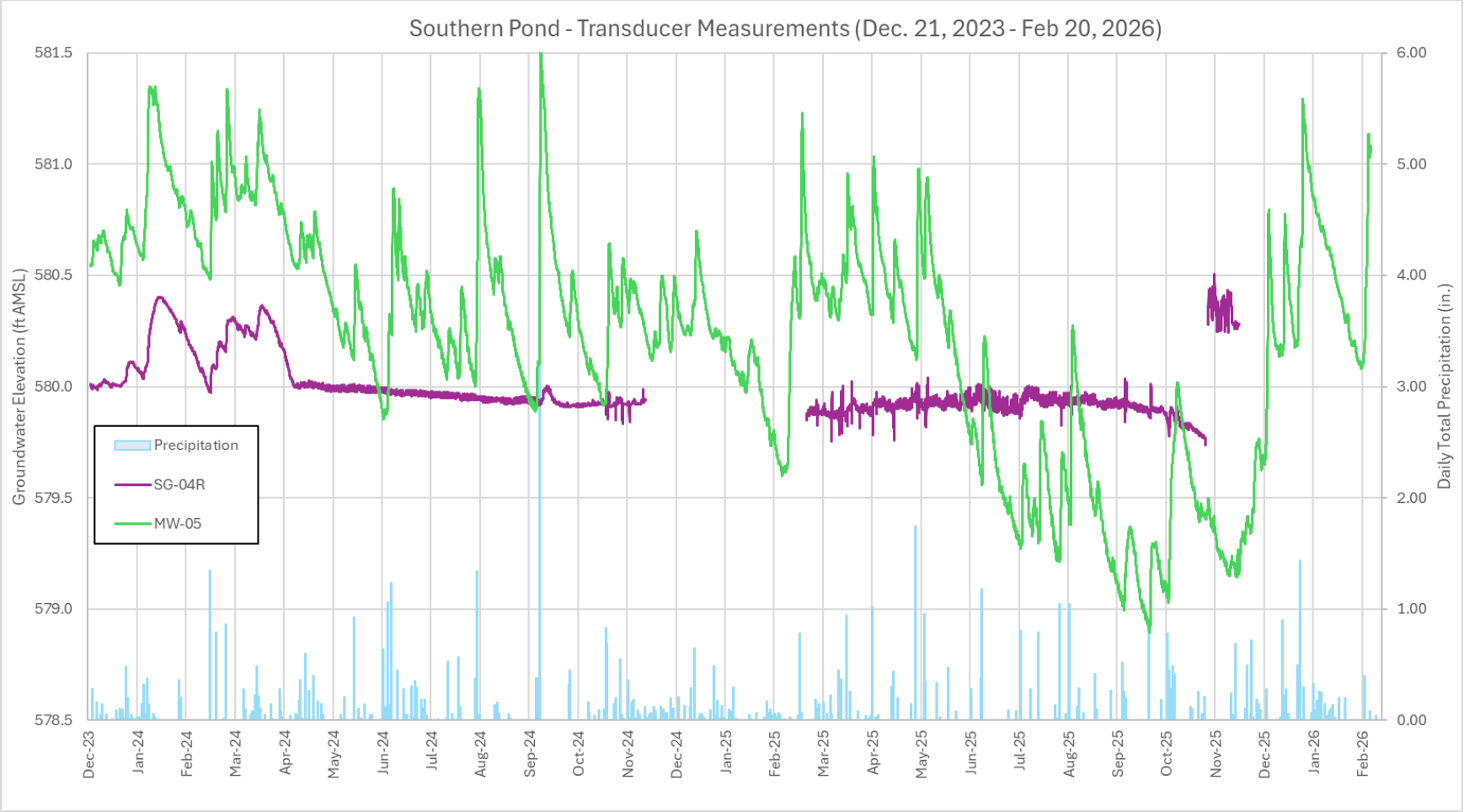


Figure 7 | Transducer Measurement Hydrograph: Staff Gauge SG-04R and Monitoring Well MW-05

When the SG-04R transducer reads 580.0 ft amsl, that is the elevation where the staff gauge reads 0.15 or effectively dry.

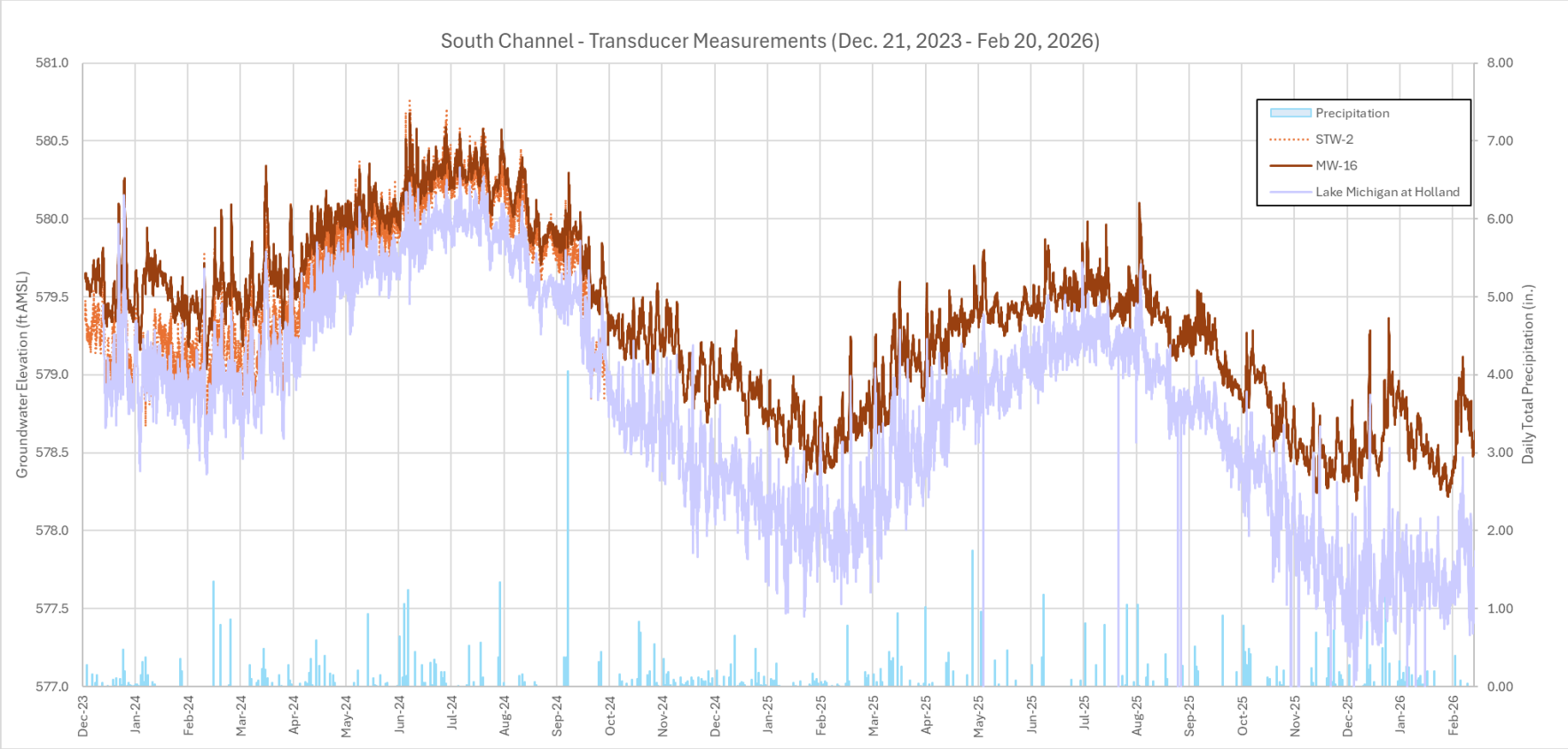


Figure 8 | Transducer Measurement Hydrograph: Stilling Well STW-2, Monitoring Well MW-16, and Lake Michigan at Holland (NOAA)

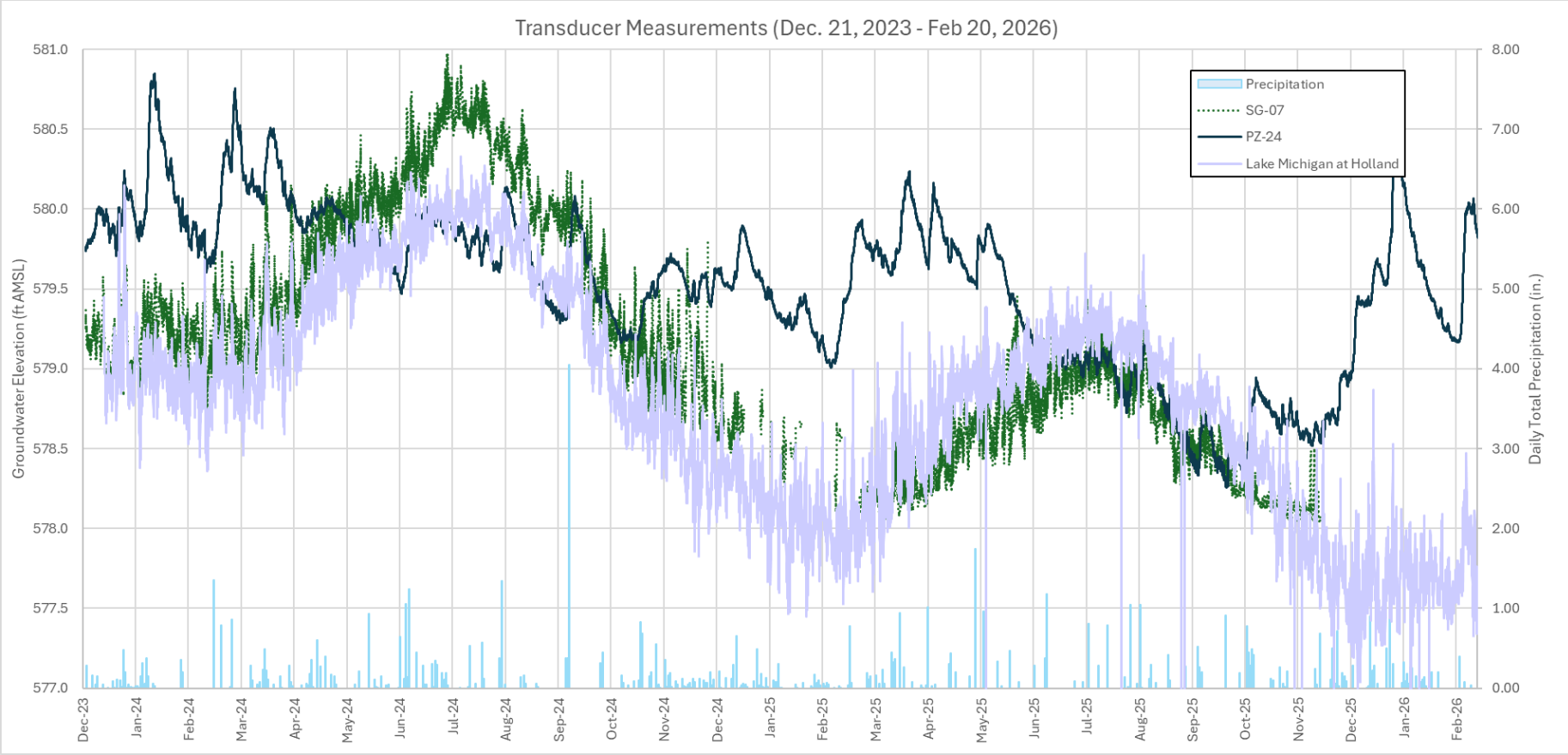


Figure 9 | Transducer Measurement Hydrograph: Staff Gauge SG-07, Piezometer PZ-24, and Lake Michigan at Holland (NOAA)

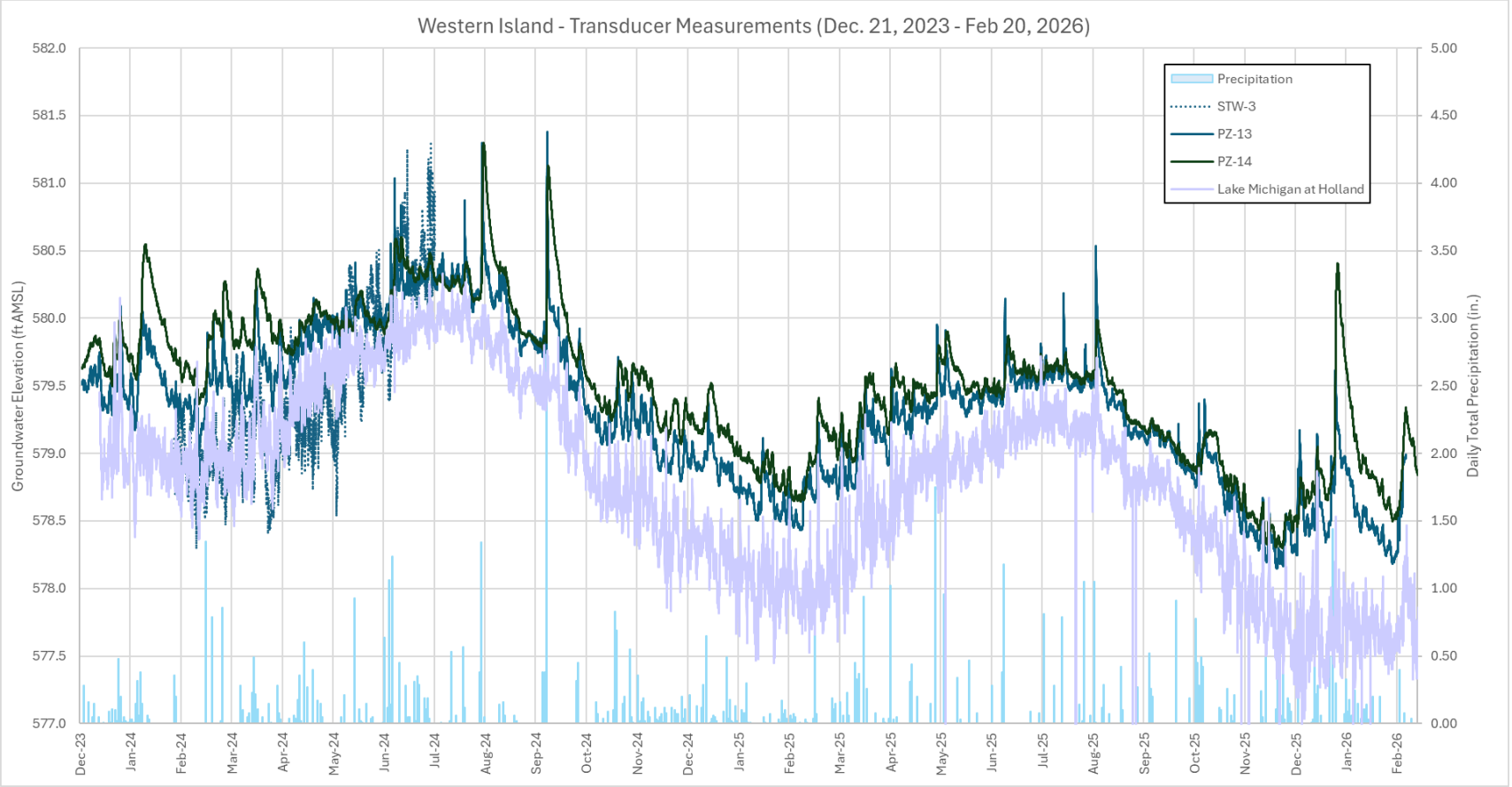


Figure 10 | Transducer Measurement Hydrograph: Stilling Well STW-3, Monitoring Well MW-13 Piezometer PZ-14, and Lake Michigan at Holland (NOAA)

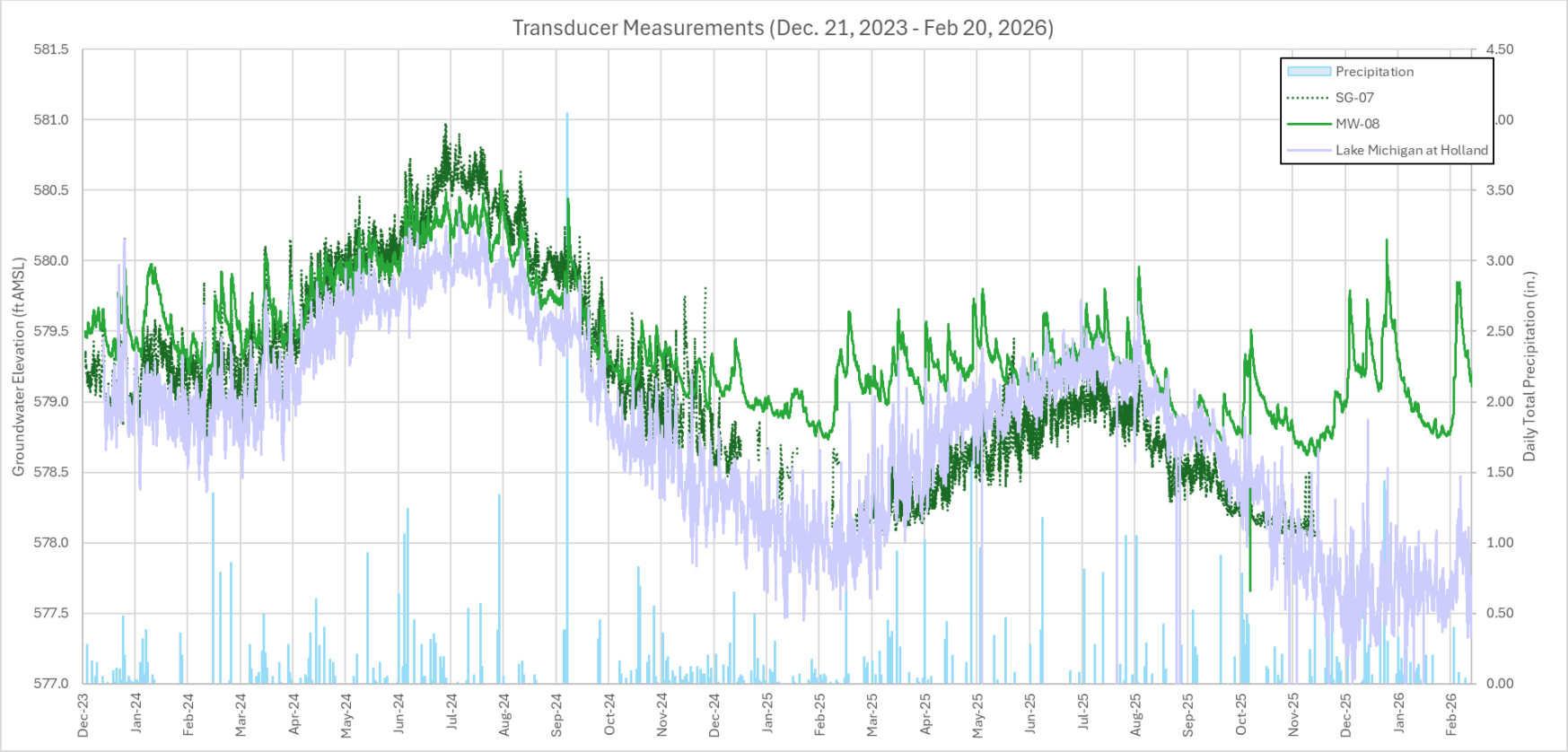


Figure 11 | Transducer Measurement Hydrograph: Staff Gauge SG-07, Monitoring Well MW-08, and Lake Michigan at Holland (NOAA)

4.2 Water Quality

In February 2026, an assessment monitoring event was conducted and the monitoring network provided in **Table 1** was sampled for the COIs contained in **Table 3**. The water quality data collected to date is presented in **Appendix D** and laboratory reports are provided in **Appendix E**.

4.2.1 Groundwater Protection Standards (GPS)

As required for assessment monitoring in Michigan Rule R 299.4441(9), the owner must establish GPS for each hazardous substance detected in the groundwater. The background value (95% upper tolerance limit [UTL]), maximum contaminant level (MCLs), applicable state cleanup criteria, and Site GPS for both CCR units are provided in **Table 6** from the HMP (HDR, 2025).

Table 6. Background Values and State Groundwater Protection Standards for both Units 1/2 Impoundment and Unit 3A/B Impoundments

Parameter**	Site-Specific Background Level (UTL) (mg/L)	MCL (mg/L)	State Non-Res. Drinking Water Cleanup Criteria for Groundwater (mg/L)*	GSI (mg/L)*	GPS (mg/L)
Antimony	0.0012	0.0060	0.0060	0.13	0.0060
Arsenic	0.0040	0.010	0.010	0.010	0.010
Barium	0.58	2.0	2.0	1.3[1]	1.3
Beryllium	0.000059	0.0040	0.0040	0.036[1]	0.0040
Boron	4.0	NV	0.50	7.20	4.0
Cadmium	0.00015	0.0050	0.0050	0.0025[1]	0.0025[1]
Calcium	250	NV	N/A	N/A	N/A
Chloride	120	NV	250	50	120
Chromium	0.042	0.10	0.10	0.12[1]	0.10
Cobalt	0.0021	0.0060	0.10	0.10	0.0060
Copper	0.020	1.30	1.0	0.021[1]	0.021[1]
Fluoride	0.45	4.0	2.0	NV	2.0
Iron	83	0.30	0.30	NV	83
Lead	0.0016	0.015	0.0040	0.014[1]	0.0040
Lithium	0.10	0.040	0.35	0.44	0.10
Mercury	0.00016[2]	0.0020	0.0020	0.0000013	0.0000013
Molybdenum	0.0093	0.10	0.210	3.2	0.10
Nickel	0.023	NV	0.10	0.12[1]	0.10
Radium 226 and 228 combined (pCi/L)	2.6	5.0	NV	NV	5.0
Selenium	0.00089	0.050	0.050	0.0050	0.0050
Silver	0.00011	0.10	0.098	0.00020	0.00020
Sulfate	100	250	250	NV	250
Thallium	0.000075	0.0020	0.0020	0.0037	0.0020
Total Dissolved Solids	950	500	500	500	950
Vanadium	0.00093	NV	0.0062	0.027	0.0062
Zinc	0.038	5.00	5.00	0.27[1]	0.27[1]

*Cleanup Criteria Requirements for Response Activity (Formerly the Part 201 Generic Cleanup Criteria and Screening Levels) found in R 299.44 Generic groundwater cleanup criteria.
**Metals data is analyzed and reported as total metals.
NV=no value
[1]Per Footnote G of Table 1 Cleanup Criteria Requirements for Response Activity (Formerly the Part 201 Generic Cleanup Criteria and Screening Levels) of the Groundwater Surface Water (GSI) criteria list, values noted are calculated based on the hardness (expressed as CaCO3) of the receiving waters. Surface water sample from the Grand River (SG-01) had a hardness of 270 mg/L that was used in the calculation of specific GSI values. The Grand River discharges into Lake Michigan, thus the GSI Criteria for Surface Water Protected for Drinking Water Use, is provided above.
[2]Based on comments provided by EGLE on the Hydrogeologic Monitoring Plan (HMP), future monitoring events will have lower analytical detection limits for mercury, which will address the background concentration relative to the GSI.

4.2.2 Identification of Groundwater Protection Standard (GPS) Exceedances

The February 2026 sampling data from compliance wells was compared to the GPS values provided in **Table 6**, and several COIs were found to exceed GPS at both CCR units. To determine if an exceedance of a GPS value was statistically significant, the 95% lower confidence limit (95LCL) was calculated for each of the downgradient wells. The statistical output files are in **Appendix F**. Analytical data tables are contained in **Appendix D**.

Units 1/2 Impoundment

Concentrations that exceeded GPS at SSLs are provided in **Table 7** for Units 1/2 Impoundment. The wells with SSLs over GPS following the February 2026 sampling event are generally consistent with previous well and constituent observations. The 95LCLs were calculated for the first time at five monitoring wells (MW-16, MW-28, MW-32, MW-36, and MW-37) that have been sampled since the second quarter (April) of 2024. The GPS for arsenic and lead were exceeded in groundwater sampled from well MW-36.

Table 7. February 2026 LCLs that Exceed GPS for the Units 1/2 Impoundment

Well	Constituent*	Unit	95% LCL	State GPS
MW-06	Barium	mg/L	1.4	1.3
	Boron	mg/L	8.8	4.0
	Lithium	mg/L	0.16	0.10
	Total Dissolved Solids	mg/L	1200	950
MW-07	Boron	mg/L	11	4.0
MW-08	Arsenic	mg/L	0.032	0.010
	Boron	mg/L	5.4	4.0
MW-10	Boron	mg/L	15	4.0
	Chloride (as Cl)	mg/L	240	120
	Fluoride	mg/L	4.6	2.0
	Lithium	mg/L	0.84	0.10
	Sulfate (as SO4)	mg/L	420	250
	Total Dissolved Solids	mg/L	1900	950

Table 7. February 2026 LCLs that Exceed GPS for the Units 1/2 Impoundment				
Well	**Constituent***	**Unit**	**95% LCL**	**State GPS**
MW-18	Arsenic	mg/L	0.025	0.010
	Fluoride	mg/L	3.6	2.0
	Sulfate (as SO4)	mg/L	690	250
MW-19	Total Dissolved Solids	mg/L	1200	950
	Sulfate (as SO4)	mg/L	900	250
	Total Dissolved Solids	mg/L	1700	950
MW-30	Lithium	mg/L	0.12	0.10
	Sulfate (as SO4)	mg/L	760	250
	Total Dissolved Solids	mg/L	2200	950
MW-31	Boron	mg/L	4.6	4.0
	Fluoride	mg/L	4.5	2.0
MW-32	Lithium	mg/L	0.12	0.10
MW-36	Arsenic	mg/L	0.11	0.01
	Lead	Mg/L	0.0096	0.004

*Mercury LCLs appear greater than the GPS at all wells although no detections were reported and the LCL is based on the reporting limit. Beginning in the second quarter of 2025 (April 2025 sampling event), the low-level mercury sampling and analysis protocol has been employed to achieve reporting limits of 0.0013 ug/L, below the current LCL of 0.16 ug/L based on the reporting limit.

Unit 3A/B Impoundments

Concentrations that exceed GPS at SSLs are provided in **Table 8** for Unit 3A/B Impoundments. The wells with SSLs over GPS following the February 2026 sampling event are generally consistent with previous well and constituent observations. The 95LCLs were calculated for the first time at monitoring well MW-38, that had been sampled since the second quarter (April) of 2024. The GPS for lead was exceeded in groundwater sampled from well MW-38.

This is the first incident where lead has statistically exceeded GPS, and there are no exceedances of lead at either impoundment waste boundary wells, only the nature and extent wells MW-36 and MW-38. The exceedance well locations is under the demolished plant site and there are other potential sources of lead at the Site including solid waste. Therefore, the CCR impacted groundwater plume boundary will not be amended to include the lead exceedance.

Table 8. February 2026 LCLs that Exceed GPS for Unit 3A/B Impoundments				
Well	**Constituent***	**Unit**	**95% LCL**	**State GPS**
MW-01R	Boron	mg/L	97	4.0
	Fluoride	mg/L	11	2.0
	Lithium	mg/L	2.1	0.10
	Sulfate (as SO4)	mg/L	290	250
	Total Dissolved Solids	mg/L	2300	950
MW-02	Boron	mg/L	99	4.0
	Chloride (as Cl)	mg/L	140	120

Table 8. February 2026 LCLs that Exceed GPS for Unit 3A/B Impoundments

Well	Constituent*	Unit	95% LCL	State GPS
MW-02	Fluoride	mg/L	9.5	2.0
	Lithium	mg/L	1.4	0.10
	Total Dissolved Solids	mg/L	1900	950
MW-03	Chloride (as Cl)	mg/L	130	120
	Total Dissolved Solids	mg/L	1800	950
MW-04	Sulfate (as SO4)	mg/L	520	250
	Total Dissolved Solids	mg/L	1800	950
MW-09	Boron	mg/L	5.4	4.0
	Fluoride	mg/L	2.4	2.0
	Lithium	mg/L	0.29	0.10
	Sulfate (as SO4)	mg/L	430	250
	Total Dissolved Solids	mg/L	1400	950
MW-10	Boron	mg/L	15	4.0
	Chloride (as Cl)	mg/L	240	120
	Fluoride	mg/L	4.7	2.0
	Lithium	mg/L	0.86	0.10
	Sulfate (as SO4)	mg/L	410	250
	Total Dissolved Solids	mg/L	1800	950
MW-11	Boron	mg/L	4.7	4.0
MW-38	Lead	mg/L	0.0067	0.004

*Mercury LCLs after the February 2026 sample event appear greater than the GPS at all wells. When a mercury concentration is not detected, the value used to calculate the LCL is based on the reporting limit. Beginning in the second quarter of 2025 (April 2025 sampling event), low-level mercury sampling and analysis protocol was employed to achieve reporting limits of 1.3 ng/L. The method detection limit since the second quarter 2025 has been 0.5 ng/L. The prior reporting limit was 160 ng/L. However, the LCL value is calculated using all of the sample data collected to date. Therefore it will take additional monitoring events for the statistical LCL value to reflect the lower reporting limit initiated in April 2025, which will better reflect that groundwater is not impacted by mercury.

Surface Water Monitoring

No surface water samples were collected during the February 2026 sampling event as surface water at each of the four sampling locations (SG-02, SG-04R, SG-05, and SG-07) was frozen.

Table 9. Surface Water Sample Summary

Surface Water Sample Location	Date Sampled	Waterbody Monitored	Constituents that Exceeded GPS*
SG-02	No sample – frozen	Units 1/2 Impoundment	--
SG-04R	No sample – frozen	Units 1/2 Impoundment	--
SG-05	No sample – frozen	Internal Wetland West	--
SG-07	No sample – frozen	Internal Wetland South	--

*GPS criteria not for regulatory compliance, only used as a reference value for comparison to groundwater concentrations.

5.0 Remedy Selection Progress Update

5.1 First Quarter 2026 Investigative Activities

The Remedial Investigation Site Specific Data Collection Work Plan was approved in August 2025 to assist in the remediation alternatives feasibility assessment and remedy selection process (HDR 2025b). Numerous tasks under this Work Plan were performed in the fourth quarter 2025, with reporting and analyses extending into the first quarter 2026 as described below.

Exploratory Borings

Four deep soil borings (DB-01 to DB-04) were drilled in November 2025 to measure the depth to an underlying fine-grained unit (clay or silty clay) at four locations on Harbor Island (**Figure 12**). The depth and hydraulic characteristics of the fine-grained unit will inform a potential containment wall design. The hydraulic characteristics of the fine-grained unit were evaluated at boring locations (DB-01 and DB-03) through the collection of undisturbed, 30-inch long geotechnical samples (Shelby tubes). The samples were delivered to Soil & Material Engineers (SME) to measure grain size and in-situ hydraulic conductivity (**Table 10**). A new monitoring well (MW-44B) was additionally constructed in November 2025 in the fine-grained (clay) unit at boring DB-04, and the hydraulic conductivity of the clay was estimated through slug testing in December 2025 (**Table 10**).

In March 2026 during the installation of a 6-inch diameter test well installed for an aquifer test near the Unit 3A/B Impoundment (discussed further below), four soil samples were collected from 41 to 47 feet below ground surface. The samples were collected from the fine-grained silt unit that represents the aquifer lower confining unit underlying the thicker native sand unit. Samples were submitted to Soil and Material Engineers (SME) for analysis of grain size (including hydrometer) and hydraulic conductivity via permeameter testing. Results are in **Table 10**.

Table 10. Grain Size and Hydraulic Conductivity from Laboratory Geotechnical Samples and One Slug Test

Boring ID	Sample Depth (ft bgs)	Sand (%)	Silt (%)	Clay (%)	Hydraulic Conductivity (cm/s)
PW-1	41-43	40.9	53.7	4.5	Not Analyzed – insufficient sample
PW-1	43-44	15.5	65.9	18	3.8 x 10-7 (1.1 x 10^{-3} ft/d)
PW-1	44-45	20.4	65.1	13.9	1.9 x 10-6 (5.4 x 10^{-3} ft/d)
PW-1	45-47	17.5	72	10.5	Not Analyzed – insufficient sample
DB-02	54-56	13.5	42.9	43.6	2.6 x 10-8 (7.4 x 10^{-5} ft/d)
DB-03 (PZ-15B)	54-56	13.7	42.2	43	1.5 x 10-8 (4.2 x 10^{-5} ft/d)
MW-44B	Slug test, well screened 39-44 ft bgs in fat clay				1.6 x 10-9 (4.5 x 10^{-6} ft/d)

Deep Monitoring Wells and Piezometer

Monitoring well MW-44B was constructed in boring DB-04. Piezometer PZ-15B was constructed in boring DB-03, and monitoring well MW-09B was constructed in boring DB-01. The purpose of

these deep monitoring wells is to evaluate the vertical extent of contaminated groundwater and vertical components of groundwater flow on the periphery of the Island.

- Well MW-09B is located near Unit 3A/B Impoundments, screened at the base of the unconsolidated sand aquifer at 31 to 36 feet bgs, and adjacent to shallow monitoring well MW-09 (screened 7 to 12 feet bgs).

- Piezometer PZ-15B is located near the South Channel Grand River, screened at the base of the unconsolidated sand aquifer at 30 to 35 feet bgs. Piezometer PZ-15B is paired with PZ-15, screened 15 to 20 feet bgs.

- Well MW-44B was installed east of the Internal Wetland and screened from 39 to 44 feet bgs, approximately 14 feet into a fat clay unit for the purpose of evaluating the hydraulic properties of the clay. Well MW-44B is paired with new well MW-44, screened 5 to 10 feet bgs.

Vertical gradients (**Table 11**) at the two new well pairs were calculated based on the February 16, 2026 gauging event:

Table 11: Vertical Gradients

Well Pair	Midpoint of Screen (ft amsl)	Water Level 2/16/26 (ft amsl)	Vertical Gradient (unitless)	Direction
MW-09	576.97	578.33	0.069	Downward
MW-09B	553.33	578.05		
PZ-15	571.45	578.69	0.012	Downward
PZ-15B	556.60	578.26		

Water quality samples were collected from well MW-09B and piezometer PZ-15B in December 2025; the results from these samples demonstrate there are no exceedances relative to the CCR unit GPS. Therefore, there is no potential for groundwater contamination to extend under the Grand River to the west, nor under the South Channel to the south.

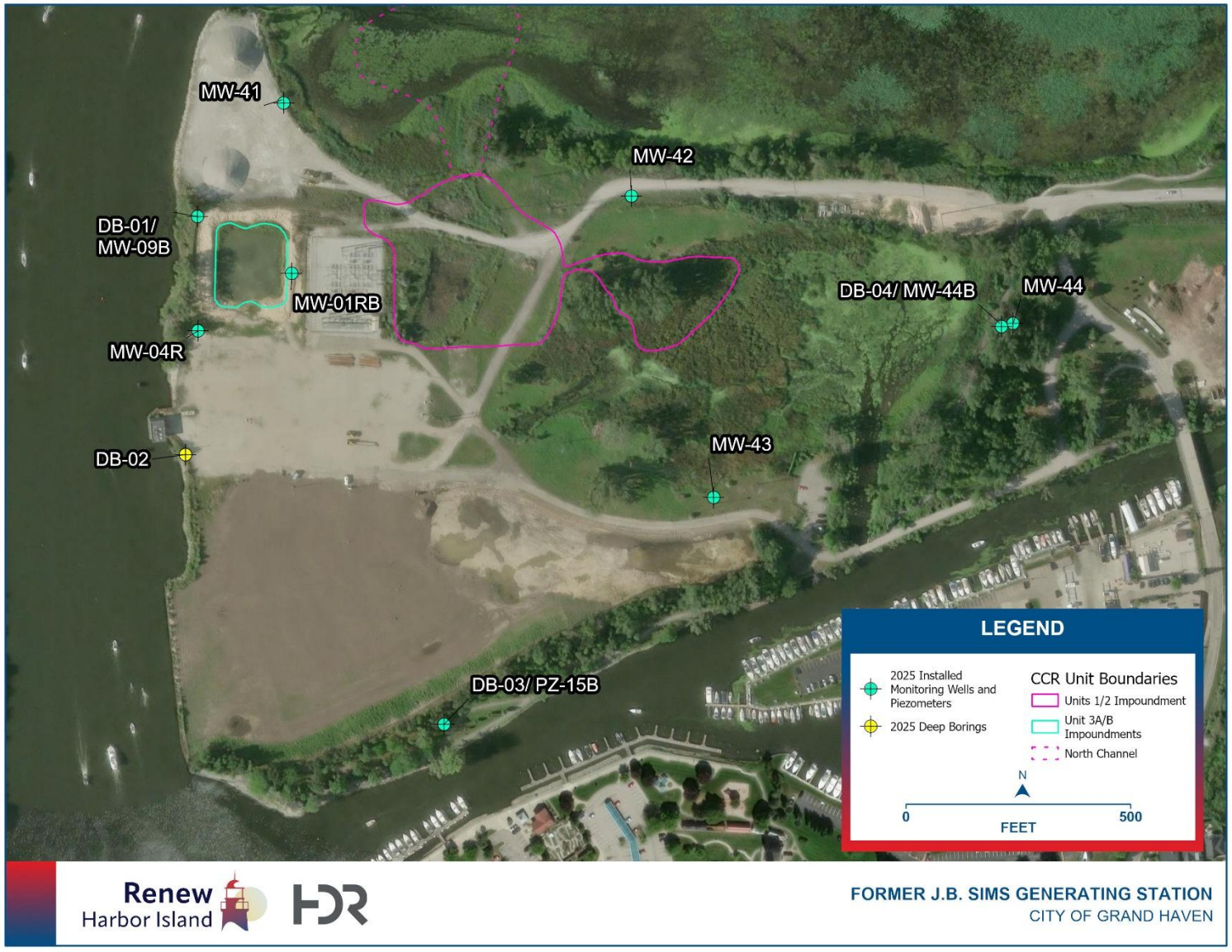


Figure 12 | Remedial Investigation Locations

Replacement Monitoring Wells

Two new wells were installed near the Unit 3AB Impoundments, adjacent to MW-01R and MW-04, as potential replacement wells for MW-01R and MW-04 (Section 2.4). Coal ash had previously been logged in the screened intervals of wells MW-01R and MW-04. Coal ash was also observed in the borings for the new wells, but the borings were extended to locate the well screens below the coal ash. New well MW-01RB is located 23 feet north of MW-01R and screened at a depth of 26 to 31 feet bgs, compared to MW-01R, screened from 4 to 9 feet bgs. Well MW-04R was located approximately 29 feet south of well MW-04 and screened at a depth of 10 to 15 feet bgs. Well MW-04 is also screened from 10 to 15 feet bgs, but at a surface grade approximately 3 feet higher in elevation. Slug tests were completed at both new wells, and water quality samples were collected in December 2025 and February 2026. The analytical results of the December 2025 and February 2026 samples are provided in Appendix D.

Comparing the analytical results from the first quarter 2026 groundwater samples from wells MW-04 and MW-04R, groundwater from MW-04 exceeded GPS (fluoride and sulfate), but no GPS exceedances were noted at well MW-04R. However, the concentrations of 16 analytes were higher at MW-04R than MW-04. Both wells MW-04 and MW-04R have already been sampled for the second quarter 2026. A decision will be made in the future whether MW-04R will replace MW-04 in the monitoring network. Monitoring well MW-01RB will be added to the monitoring network as a deep well adjacent to MW-01R to help define the vertical extent of contamination.

Pumping Well Installation and Aquifer Test

In support of evaluating remedial alternatives that may include groundwater extraction and treatment, a constant-rate aquifer test was completed in March 2026. To complete the test, a new 6-inch diameter pumping well (PW-1) was installed in March 2026 northeast of the Unit 3A/B Impoundments. The well was screened from 28 to 38 feet below grade, in the fine-to-medium sand unit that is above the aquifer confining unit across the Island.

Following thorough development and a step drawdown test, well PW-1 was pumped at a constant rate of 112 gallons per minute (GPM) for 34 hours, during which time water level drawdown in the pumping well and in nearby wells and surface water gauges was monitored. Multiple analytical samples were collected during the pumping phase and submitted for analysis of CCR constituents and other water quality parameters. The hydraulic data from the aquifer test has not yet been fully analyzed, and the analytical results have not been tabulated and validated in time for this submittal.

Groundwater Modeling

During the first quarter of 2026, development of a three-dimensional (3D) groundwater flow model was initiated to simulate potential remedies of CCR constituents. This model uses existing stratigraphic and hydrologic data that has been collected and compiled to date to create

a conceptual site model (CSM) that will serve as the framework for the flow model. The model will be calibrated to Site water levels, including a transient calibration to changing water levels measured during aquifer testing.

Bathymetric and Topographic Survey

To gather surface data in support of groundwater modeling and the remedy design, topographic and bathymetric surveys were completed on Harbor Island and nearshore environments. In March 2026, a LiDAR (Light Detection and Ranging) survey was conducted using Unmanned Aircraft Systems (UAS, i.e. drone technology) over the Island, the Internal Wetland, and the Northern Wetland. The bathymetric survey was also completed in March 2026 on the Main Channel and South Channel of the Grand River. Bathymetric data was also obtained through a "poling" survey by wading through the Units 1/2 Impoundment waste ponds. Deliverables associated with the survey were not received in time for this submittal.

5.2 Next Steps

Implementation of the Remedial Investigation Data Collection Work Plan (HDR, 2025b) will continue through the second quarter of 2026. In addition to completing the tasks and reporting related to the items noted above, a Wetland Functional Assessment and Wetland Type Determination will be completed to evaluate the quality and ecological functions of the onsite wetlands, ensuring that mitigation measures comply with legal requirements for in-kind replacement.

The second quarter of 2026 groundwater monitoring and sampling event was conducted in April 2026.

6.0 Summary

The following observations are based on CCR Rule compliance groundwater monitoring during the first quarter of 2026:

- The first quarter of 2026 groundwater sampling event was conducted in February 2026.
- Groundwater flow measured in the first quarter 2026 in the vicinity of Units 1/2 Impoundment is generally radial, with components flowing eastward toward the Internal wetland, north toward the Northern wetland, south toward MW-05, and west toward the Grand River.
- Groundwater flow measured in the first quarter 2026 in the vicinity of Unit 3A/B Impoundments is primarily west to northwest toward the Grand River.
- The PVC-cased stilling well STW-2 was replaced with a steel-cased STW-2 in November 2025. The new stilling well was surveyed and instrumented with a pressure transducer in March 2026.
- The PVC-cased stilling well STW-1 was replaced with a paired shallow groundwater drive point (STW-1DP) and new stilling well (STW-1-SW) in November 2025. A

transducer has been placed in drive point STW-1DP to monitor shallow groundwater levels, and a transducer will be placed in stilling well STW-1SW when surface water returns to the Northern Wetland.

- Transducer data from the ponds within Units 1/2 Impoundments indicate that from May through October 2025, precipitation falling on, or collecting in the dry pond bed infiltrates and recharges groundwater, with the groundwater table being as much as 1.5 feet below the wetland surface. Groundwater levels recovered through the winter months.
- Groundwater on the south and eastern sides of the Island appears to be discharging to surface water (Grand River).
- The LCLs for the Units 1/2 Impoundment were re-calculated after the February 2026 assessment monitoring event and were compared to GPS values. Similar SSLs were identified for Units 1/2 Impoundment as in previous monitoring events, with no new GPS exceedances.
- The 95LCLs were calculated for the first time at five Units 1/2 Impoundment monitoring wells (MW-16, MW-28, MW-32, MW-36, and MW-37) that have been sampled since the second quarter (April) of 2024. GPS for arsenic and lead were exceeded in groundwater sampled from well MW-36.
- The LCLs for the Unit 3AB Impoundment were re-calculated after the February 2026 assessment monitoring event and were compared to GPS values. Similar SSLs were identified for the Unit 3A/B Impoundments as in previous monitoring events.
- The 95LCLs were calculated for the first time at monitoring well MW-38, that had been sampled since the second quarter (April) of 2024. The GPS for lead was exceeded in groundwater sampled from well MW-38.
- Investigative activities in the fourth quarter of 2025 for which reports were being prepared in the first quarter 2026 included a coal ash investigation on roads around the perimeter of Unit 3AB; the collection of bottom ash samples for laboratory analysis; the drilling of exploratory soil borings and geotechnical testing (grain size and permeameter testing) of the fine-grained unit underlying the shallow aquifer; the installation of nine observation wells; slug testing; and the collection of groundwater samples for laboratory analysis.
- Investigative activities in the first quarter of 2026 include the completion of topographic and bathymetric surveys; the construction and development of a 6-inch diameter pumping well, at which a 34-hour constant-rate aquifer pumping test was completed; and preparations for modeling site groundwater.

7.0 References

ERM, 2017. Groundwater Monitoring System Certification for the Grand Haven Board of Light and Power, Environmental Resources Management Michigan, Inc. November 2017.

Golder Associates, Inc., 2018. 2017 Annual Groundwater Monitoring and Corrective Action Report. January 30, 2018.

Golder Associates, Inc., 2018a. Notice of Groundwater Protection Standard Exceedance. October 15, 2018.

Golder Associates, Inc., 2019. CCR Impoundment Ash Delineation at the J.B. Sims Generating Station. October 14, 2019.

Golder Associates, Inc., 2020. 2019 Annual Groundwater Monitoring & Corrective Action Report. January 31, 2020.

Golder Associates, Inc., 2022. Field Summary Report of Results from Approved Work Plan -Piezometer Installation and Additional Data Collection. February 15, 2022.

HDR, 2025, Hydrogeologic Monitoring Plan. December 1, 2025.

HDR, 2025b. Former J.B. Sims Generating Station Remedial Investigation Data Collection Work Plan. July 8, 2025.

Appendix A

Field Data Sheets

Water Sample Collection Field Data Sheet

Site Name: CHHI Well ID.: MW-01R

Sample I.D.(match bottle and COC form exactly): MW-01R

Personnel: AB

Date: 2/19/26 Static Depth to Water (ft, btoc) 6.68

Date/Time Sample Collected (match bottle and COC form exactly): 2/19/26; 1540

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: —

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: —

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1456	—	—	START	—	—	—	—	—
1500		7.72	2.99	6.87	1.04	8.3	-101.3	~~6.68~~
1504		7.73	2.98	8.23	0.46	8.3	-126.7	6.88
1508		7.73	2.96	3.02	0.32	8.3	-155.5	6.88
1512		7.74	2.97	2.96	0.26	8.2	-166.2	6.88
1516		7.94	2.96	3.11	0.23	8.3	-172.5	6.88
1520		7.75	2.97	4.13	0.21	8.3	-184.5	6.88
1524		7.76	2.99	0.02	0.24	8.3	-189.9	6.88
1528		7.77	2.99	0.02	0.22	8.3	-198.5	6.88
1532		7.78	2.99	0.02	0.24	8.3	-204.4	6.88
1536		7.78	3.00	0.02	0.24	8.3	-209.1	6.88
1540		7.79	2.99	0.02	0.22	8.3	-212.6	6.88

Flow Rate ~250 mL/min

Pump controller setting ~50%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-01RB

Sample I.D.(match bottle and COC form exactly): MW-01RB

Personnel: AB

Date: 2/19/26 Static Depth to Water (ft, btoc) 9.76

Date/Time Sample Collected (match bottle and COC form exactly): 2/19/26 ; 1408

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: —

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: —

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units_____

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1340			START					
1344		7.21	1.41		0.39	12.5	-131.8	9.76
1348		7.17	1.25	14.3	0.29	12.4	-130.7	9.76
1352		7.14	1.18	8.94	0.25	12.5	-130.5	9.77
1356		7.12	1.17	2.26	0.32	12.4	-133.4	9.77
1400		7.12	1.17	1.31	0.31	12.6	-133.7	9.77
1404		7.12	1.18	4.85	0.29	12.6	-135.1	9.77
1408		7.12	1.18	2.05	0.28	12.5	-136.4	9.78

Flow Rate ~ 250 mL/min

Pump controller setting ~50%

General Comments:

HDR

Water Sample Collection Field Data Sheet

Site Name: GHHI Well I.D.: MW-02

Sample I.D. (match bottle and COC form exactly): MW-02

Personnel: F. Davis Ray Date: 2/17/26

Static Depth to Water (ft, btoc): 17.23 Well Total Depth (ft, btoc): _____

Date/Time Sample Collected (match bottle and COC form exactly): 2/17/26 1035

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Field Duplicate Yes (No) Duplicate Sample I.D.: _____

Sample QC: Equipment Blank Yes (No) Equip. Blank Sample I.D.: _____

Well Purging Data (Fill in All Blanks):

Depth of Sample Collection (pump intake depth; ft,btoc): Dedicated tubing

Time Completed: 1130 Total Purge: 5 Units: L

Field Measurements:

Time (24-hour) 0940	Amount Purged (L)	pH	SPC ~~COND.~~ (~~µS/cm~~) mS/cm	TURB. (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)	Flow Rate (mL/min)
0945	0.5	7.33	5.59	66.3	0.97	10.3	-74.0	17.62	100
0950	1.0	7.30	5.60	15.8	0.43	10.3	-112.8	17.78	100
0955	1.5	7.29	5.62	13.3	0.33	10.5	-130.1	17.90	100
1000	2.0	7.29	5.61	12.1	0.18	10.6	-140.2	18.01	100
1005	2.5	7.29	5.58	13.6	0.16	10.7	-146.7	18.08	100
1010	3.0	7.29	5.57	36.3	0.12	10.8	-151.2	18.14	100
1015	3.5	7.28	5.53	36.6	0.11	10.7	-154.7	18.21	100
1020	4.0	7.28	5.50	2.49	0.08	10.7	-157.8	18.28	100
1025	4.5	7.28	5.48	2.36	0.08	10.8	-160.8	18.33	100
1030	5.0	7.28	5.49	1.90	0.07	10.8	-163.3	18.37	100

Flow Rate: ~100 mL/min

Pump Controller Setting: 50%

General Comments:

+ Dissolved metals (turb went from >30 to <5 NTU within ±5 mins - extra sample just in case)

500 mL unp.

Water Sample Collection Field Data Sheet

Site Name: GHH1 Well ID.: MW-03

Sample I.D.(match bottle and COC form exactly): MW-03

Personnel: AB

Date: 2/19/2026 Static Depth to Water (ft, btoc) 14.14

Date/Time Sample Collected (match bottle and COC form exactly): 2/19/2026 ; 936

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: —

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: —

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
852			START					
856		7.40	2.53	8.66	3.06	8.8	-18.7	14.37
900		7.39	2.55	7.58	2.17	9.2	-55.1	14.43
904		7.39	2.58	6.21	1.84	9.4	-99.2	14.53
908		7.38	2.58	1.63	1.66	9.4	-118.2	14.59
912		7.36	2.58	1.41	1.29	9.6	-128.6	14.64
916		7.36	2.58	2.58	0.90	9.7	-136.3	14.69
920		7.35	2.58	2.00	0.75	9.7	-142.4	14.72
924		7.34	2.58	2.19	0.61	9.6	-146.0	14.73
928		7.33	2.60	2.41	0.50	9.8	-151.3	14.73
932		7.33	2.59	3.05	0.48	9.8	-154.1	14.73
936		7.33	2.59	1.92	0.46	9.8	-158.3	14.73

Flow Rate ~ 250 mL/min

Pump controller setting ~50%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: CHHI Well ID.: MW-04

Sample I.D.(match bottle and COC form exactly): MW-04 ;

Personnel: AB

Date: 2/19/26 Static Depth to Water (ft, btoc) 12.16

Date/Time Sample Collected (match bottle and COC form exactly): 2/19/26 ; 1038

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: —

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: —

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1010								
1014		7.08	1.45	8.37	0.51	8.3	-118.4	12.46
1018		7.05	1.45	7.87	0.40	8.3	-113.9	12.52
1022		7.03	1.45	5.83	0.36	8.1	-110.6	12.61
1026		7.03	1.45	9.06	0.35	8.3	-109.0	12.68
1030		7.04	1.47	4.64	0.32	8.3	-107.2	12.75
1034		7.05	1.47	3.41	0.32	8.3	-108.5	12.81
1038		7.06	1.48	2.69	0.31	8.3	-109.4	12.83
~~1042~~								

Flow Rate_____

Pump controller setting_____

General Comments:

_____

_____

_____

Water Sample Collection Field Data Sheet

Site Name: CAHHI Well ID. MW-04R

Sample I.D.(match bottle and COC form exactly): MW-04R

Personnel: AB

Date: 2/19/26 Static Depth to Water (ft, btoc) 10.18

Date/Time Sample Collected (match bottle and COC form exactly): 2/19/26, 1150

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: ———

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: ———

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1114			START					
1118		7.20	2.08	44.1	0.43	11.6	-105.3	10.67
1122		7.22	2.08	34.1	0.38	11.4	-113.5	10.75
1126		7.23	2.08	33.9	0.39	11.7	-120.6	10.82
1130		7.24	2.08	27.3	0.39	11.8	-125.4	10.86
1134		7.25	2.08	21.3	0.26	11.9	-129.5	10.90
1138		7.25	2.08	19.8	0.24	11.9	-131.4	10.92
1142		7.25	2.07	15.1	0.23	11.9	-132.8	10.93
1146		7.25	2.07	12.3	0.22	11.9	-134.1	10.93
1150		7.26	2.07	8.67	0.23	11.8	-136.0	10.94

Flow Rate ~250 mL/min

Pump controller setting ~50 L

General Comments:

_____

_____

_____

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-06

Sample I.D.(match bottle and COC form exactly): MW-06;

Personnel: AB

Date: 2/17/26 Static Depth to Water (ft, btoc) 9.07

Date/Time Sample Collected (match bottle and COC form exactly): 2/17/26; 1555

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: ———

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: ———

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1526			START					
1530		7.33	1.91	10.5	0.60	9.8	-128.5	9.79
1534		7.35	1.91	8.22	0.32	9.6	-137.5	9.79
1538		7.36	1.91	5.71	0.28	9.6	-146.1	9.80
~~1002~~ 1542		7.36	1.91	3.10	0.30	9.7	-148.9	9.80
~~BB~~ 1546		7.36	1.92	2.48	0.31	9.7	-151.6	9.81
1550		7.36	1.91	2.00	0.29	9.8	-152.3	9.81
1554		7.36	1.91	0.02	0.30	9.7	-154.7	9.81

Flow Rate ~250mL/min

Pump controller setting ~50%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-07

Sample I.D.(match bottle and COC form exactly): MW-07

Personnel: F. Davis Ray

Date: 2/19/26 Static Depth to Water (ft, btoc) 7.94

Date/Time Sample Collected (match bottle and COC form exactly): 2/19/26 1010

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: _____

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: _____

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) Dedicated tubing

Time Completed: 1030 Total Purge ~14 Units L

Field Measurements:

0910 Time (24 hour)	Amount purged ~~(ml)~~ L	pH	SPC ~~COND~~ (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
0915	1.25	6.75	1.44	54.1	0.42	9.8	-75.3	7.55
0920	2.5	6.77	1.45	3.40	0.41	10.0	29.7	7.56
0925	3.75	6.79	1.45	6.06	0.28	10.3	8.1	7.57
0930	5.0	6.79	1.44	3.03	0.25	10.4	-9.9	7.58
0935	6.25	6.80	1.44	0.02	0.22	10.3	-30.4	7.59
0940	7.5	6.80	1.44	0.02	0.19	10.2	-42.1	7.58
0945	8.75	6.81	1.44	0.02	0.14	10.4	-53.0	7.58
0950	10.0	6.80	1.44	0.02	0.09	10.4	-61.8	7.59
0955	11.25	6.81	1.43	0.02	0.09	10.5	-69.1	7.58
1000	12.5	6.81	1.44	0.02	0.10	10.4	-73.7	7.58
1005	13.75	6.81	1.44	0.02	0.11	10.3	-78.8	7.59

Flow Rate ~250 mL/min

Pump controller setting 55-60%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-08

Sample I.D.(match bottle and COC form exactly): MW-08

Personnel: F. Davis Ray

Date: 2/18/26 Static Depth to Water (ft, btoc) 6.24

Date/Time Sample Collected (match bottle and COC form exactly): 2/18/26 1020

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: _____

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: _____

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) Dedicated tubing

Time Completed: 1100 Total Purge 12 Units L

Field Measurements:

0915 Time (24 hour)	Amount purged ~~(ml)~~ L	pH	SPC ~~COND~~ (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
0920	1.0	7.63	0.88	8.73	0.45	6.3	45.3	5.78
0925	2.0	7.60	0.87	6.23	0.34	6.2	21.9	5.80
0930	3.0	7.59	0.87	7.46	0.33	6.0	-4.0	5.81
0935	4.0	7.59	0.86	—	0.26	6.2	-35.1	5.80
0940	5.0	7.58	0.87	9.18	0.21	6.1	-60.1	5.81
0945	6.0	7.58	0.87	6.64	0.18	6.1	-81.8	5.80
0950	7.0	7.58	0.87	5.76	0.17	6.1	-96.2	5.80
0955	8.0	7.58	0.87	4.36	0.19	6.0	-108.9	5.81
1000	9.0	7.57	0.87	4.28	0.18	6.0	-118.9	5.80
1005	10.0	7.57	0.87	5.40	0.16	5.9	-126.0	5.80
1010	11.0	7.57	0.87	1.45	~~0.04~~	5.9	-131.0	5.80
1015	12.0	7.57	0.87	4.65	0.12	5.9	-134.6	5.81

0.12 FOR

Flow Rate ~200 mL/min

Pump controller setting 50%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well I.D.: MW-09

Sample I.D. (match bottle and COC form exactly): MW-09

Personnel: F. Davis Ray Date: 2/17/26

Static Depth to Water (ft, btoc): 11.22 Well Total Depth (ft, btoc): _____

Date/Time Sample Collected (match bottle and COC form exactly): 2/17/26 1225

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Field Duplicate Yes (No) Duplicate Sample I.D.: _____

Sample QC: Equipment Blank Yes (No) Equip. Blank Sample I.D.: _____

Well Purging Data (Fill in All Blanks):

Depth of Sample Collection (pump intake depth; ft,btoc): Dedicated tubing

Time Completed: 1255 Total Purge: 8 Units: L

Field Measurements:

Time (24-hour) 1140	Amount Purged (L)	pH	SPC ~~COND~~: (~~µS/cm~~) mS/cm	TURB. (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)	Flow Rate (mL/min)
1145	1.0	6.89	2.50	51.5	1.24	8.9	-59.0	11.40	200
1150	2.0	6.90	2.49	13.3	0.69	8.9	-51.5	11.55	200
1155	3.0	6.91	2.49	6.03	0.48	9.0	-48.1	11.63	200
1200	4.0	6.91	2.49	3.03	0.40	9.1	-47.6	11.70	200
1205	5.0	6.92	2.49	1.99	0.33	9.2	-47.8	11.79	200
1210	6.0	6.92	2.48	3.21	0.27	9.3	-49.2	11.83	200
1215	7.0	6.93	2.49	0.31	0.24	9.3	-51.0	11.87	200
1220	8.0	6.93	2.49	1.84	0.19	9.3	-53.3	11.91	200

Flow Rate: ~200 mL/min

Pump Controller Setting: 55-60%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well I.D.: MW-10

Sample I.D. (match bottle and COC form exactly): MW-10

Personnel: F. Davis Ray Date: 2/17/26

Static Depth to Water (ft, btoc): 7.37 Well Total Depth (ft, btoc): _____

Date/Time Sample Collected (match bottle and COC form exactly): 2/17/26 1415

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Field Duplicate (Yes) ~~No~~ FDR Duplicate Sample I.D.: MWT-10 2/17/26 @ 1435

Sample QC: Equipment Blank Yes (No) Equip. Blank Sample I.D.: _____

Well Purging Data (Fill in All Blanks):

Depth of Sample Collection (pump intake depth; ft,btoc): Dedicated tubing

Time Completed: 1455 Total Purge: 15 Units: L

Field Measurements:

Time (24-hour) 1310	Amount Purged (L)	pH	SPC ~~COND.~~ (~~µS/cm~~) FDR mS/cm	TURB. (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)	Flow Rate (mL/min)
1315	1.25	7.72	38.04	2.01	0.52	7.1	-56.2	7.11	250
1320	2.5	7.75	38.02	0.21	0.34	6.8	-88.0	7.13	250
1325	3.75	7.77	38.01	0.02	0.22	6.7	-112.4	7.12	250
1330	5.0	7.78	38.00	0.02	0.17	6.6	-131.8	7.13	250
1335	6.25	7.78	3.00	0.02	0.14	6.6	-145.2	7.14	250
1340	7.5	7.78	3.00	0.02	0.19	6.3	-153.2	7.14	250
1345	8.75	7.78	2.99	0.02	0.18	6.6	-161.7	7.14	250
1350	10.0	7.78	2.98	0.02	0.17	6.6	-168.2	7.14	250
1355	11.25	7.78	2.98	0.02	0.15	6.6	-174.4	7.13	250
1400	12.5	7.78	2.98	0.02	0.15	6.6	-180.5	7.14	250
1405	13.75	7.78	2.97	0.02	0.13	6.5	-184.9	7.13	250
1410	15.0	7.78	2.97	0.02	0.14	6.6	-190.3	~~7.14~~ 7.14 FDR	250

FDR (0.15)

Flow Rate: ~250 mL/min

Pump Controller Setting: 50%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-11

Sample I.D.(match bottle and COC form exactly): MW-11

Personnel: AB

Date: 2/17/2026 Static Depth to Water (ft, btoc) 14.76

Date/Time Sample Collected (match bottle and COC form exactly): 2/17/26, 1410

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes No Duplicate Sample ID: MWT-11

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: —

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1342			START					
1346		7.28	1.49	18.22	0.46	10.4	-100.2	14.99
1350		7.29	1.47	6.60	0.36	10.4	-124.9	14.99
1354		7.32	1.47	3.23	0.28	10.4	-143.2	14.99
1358		7.34	1.46	4.35	0.28	10.4	-147.5	15.00
1402		7.35	1.45	7.32	0.28	10.4	-150.2	15.00
1406		7.36	1.44	9.57	0.29	10.4	-154.0	15.00
1410		7.37	1.44	1.27	0.26	10.5	-156.2	15.00
1510		END						

Flow Rate ~225 mL/min

Pump controller setting ~50 %

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-12

Sample I.D.(match bottle and COC form exactly): MW-12

Personnel: AB

Date: 2/18/26 Static Depth to Water (ft, btoc) 7.20

Date/Time Sample Collected (match bottle and COC form exactly): 2/18/26; 1520

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: —

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: —

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1452			START					
1456		7.84	0.403	45.0	3.70	5.5	-59.1	7.46
1500		7.81	0.404	49.7	3.62	5.0	-42.4	7.51
1504		7.80	0.406	20.6	3.30	4.6	-30.1	7.51
1508		7.79	0.409	54.5	3.16	4.5	-26.0	7.51
1512		7.79	0.411	6.58	2.89	4.9	-23.2	7.51
1516		7.79	0.413	5.91	2.86	4.4	-21.5	7.51
1520		7.79	0.412	6.01	2.85	4.4	-20.1	7.51

Flow Rate_____

Pump controller setting_____

General Comments:

_____

_____

_____

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-13

Sample I.D.(match bottle and COC form exactly): MW-13

Personnel: AB

Date: 2/18/26 Static Depth to Water (ft, btoc) 7.04

Date/Time Sample Collected (match bottle and COC form exactly): 2/18/26; 1310

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: —

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: —

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)	
1230			START						
1234		7.36	1.03	12.2	0.97	12.9	-56.2	7.11	
1238								7.11	← YSI batt dead
~~1302~~ 1242		7.31	1.72	2.33	0.39	13.0	-120.5	7.11	
1246		7.31	1.94	1.98	0.31	12.9	-129.1	7.11	
1250		7.29	1.94	0.75	0.33	13.0	-140.3	7.11	
1254		7.28	1.94	0.41	0.30	12.9	-147.7	7.11	
1258		7.28	1.94	0.02	0.25	12.8	-154.9	7.11	
1302		7.28	1.94	0.52	0.27	12.8	-158.3	7.11	
1306		7.27	1.94	0.93	0.28	12.9	-161.9	7.11	
1310		7.27	1.94	0.02	0.27	12.9	-164.8	7.11	

Flow Rate ~250 mL/min

Pump controller setting ~50%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: CHH1 Well ID.: MW-16

Sample I.D.(match bottle and COC form exactly): MW-16

Personnel: AB

Date: 2/19/26 Static Depth to Water (ft, btoc) 6.04

Date/Time Sample Collected (match bottle and COC form exactly): 2/19/26 ; ~~1720~~ 1716 AB

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: —

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: —

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (~~ml~~)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1648	0.8							
1652	1.6							
1656	2.4							
1700	3.2	7.22	1.16	10.5	0.23	4.8	-129.8	6.32
1704	4.0	7.24	1.18	9.09	0.20	4.7	-133.7	6.33
1708	4.8	7.26	1.28	5.03	0.22	4.6	-135.6	6.32
1712	5.6	7.28	1.27	6.20	0.25	4.6	-137.2	6.33
1716	6.4 FDR	7.29	1.29	1.81	0.29	4.5	-137.9	6.32

Flow Rate ~200 mL/min

Pump controller setting 50-55%

General Comments:

_____

_____

_____

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-17

Sample I.D.(match bottle and COC form exactly): MW-17

Personnel: F. Davis Ray

Date: 2/18/26 Static Depth to Water (ft, btoc) 7.72

Date/Time Sample Collected (match bottle and COC form exactly): 2/18/26 1410

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: _____

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: _____

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) Dedicated tubing

Time Completed: 1430 Total Purge 15 Units L

Field Measurements:

1250 Time (24 hour)	Amount purged ~~(mL)~~ L	pH	SPC ~~COND~~ (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1255	1.0	7.36	0.568	0.11	7.60	4.8	-28.9	7.32
1300	2.0	7.34	0.538	2.91	5.63	5.0	-34.0	7.30
1305	3.0	7.32	0.543	2.27	4.36	5.0	-39.2	7.28
1310	4.0	7.32	0.558	1.29	3.23	5.1	-44.1	7.22
1315	5.0	7.32	0.574	2.80	2.82	5.2	-48.9	7.21
1320	6.0	7.34	0.625	0.46	2.52	5.4	-52.7	7.22
1325	7.0	7.37	0.650	2.43	2.32	5.4	-60.1	7.21
1330	8.0	7.38	0.660	0.02	2.23	5.4	-68.7	7.22
1335	9.0	7.41	0.661	0.02	2.31	5.4	-75.7	7.21
1340	10.0	7.42	0.678	0.02	2.24	5.4	-80.4	7.21
1345	11.0	7.45	0.692	0.02	2.10	5.5	-87.9	7.22
1350	12.0	7.45	0.683	0.02	2.18	5.5	-91.8	7.21
1355	13.0	7.45	0.710	0.02	2.01	5.6	-96.3	7.21
1400	14.0	7.46	0.708	0.02	2.03	5.6	-98.8	7.21
1405	15.0	7.47	0.712	0.02	1.99	5.7	-101.5	7.22

Flow Rate ~200-250 mL/min

Pump controller setting 50%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-18

Sample I.D.(match bottle and COC form exactly): MW-18

Personnel: F. Davis Ray

Date: 2/19/26 Static Depth to Water (ft, btoc) 7.37

Date/Time Sample Collected (match bottle and COC form exactly): 2/19/26 1440

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: _____

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: _____

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) Dedicated tubing

Time Completed: 1500 Total Purge ~11 Units L

Field Measurements:

1350 Time (24 hour)	Amount purged L (~~ml~~)	pH	SPC ~~COND~~ (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1355	1.25	7.15	1.76	30.9	1.27	7.2	-12.0	6.76
1400	2.5	7.17	1.73	15.5	1.37	6.9	-33.6	6.76
1405	3.75	7.17	1.72	6.04	1.44	6.8	-51.4	6.76
1410	5.0	7.18	1.71	2.19	1.17	6.7	-62.5	6.76
1415	6.25	7.18	1.70	1.51	1.17	6.7	-68.7	6.76
1420	7.5	7.18	1.70	1.17	1.10	6.6	-73.3	6.76
1425	8.75	7.19	1.70	0.02	0.97	6.6	-78.5	6.76
1430	10.0	7.19	1.69	0.02	0.95	6.6	-81.6	6.76
1435	11.25	7.20	1.69	0.02	0.96	6.5	-84.4	6.76

Flow Rate ~250 mL/min

Pump controller setting 60-65%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-19

Sample I.D.(match bottle and COC form exactly): MW-19

Personnel: F. Davis Ray

Date: 2/18/26 Static Depth to Water (ft, btoc) 6.41

Date/Time Sample Collected (match bottle and COC form exactly): 2/18/26 1525

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: _____

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: _____

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) Dedicated tubing

Time Completed: 1545 Total Purge 6 Units L

Field Measurements:

1450 Time (24 hour)	Amount purged ~~(ml)~~ L	pH	SPC ~~COND~~ (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1455	1.0	6.55	1.92	1.11	1.50	6.2	-11.1	7.39
1500	2.0	6.61	2.00	0.02	1.12	6.1	-17.6	7.39
1505	3.0	6.63	2.01	0.14	0.90	6.0	-22.9	7.40
1510	4.0	6.63	2.01	0.33	0.87	6.0	-25.9	7.40
1515	5.0	6.63	2.00	0.93	0.88	6.0	-27.6	7.41
1520	6.0	6.63	2.00	0.02	0.89	6.0	-28.8	7.40

Flow Rate ~200 mL/min

Pump controller setting 65-70%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-20

Sample I.D.(match bottle and COC form exactly): MW-20

Personnel: F. Davis Ray

Date: 2/19/26 Static Depth to Water (ft, btoc) 6.23

Date/Time Sample Collected (match bottle and COC form exactly): 2/19/26 1320

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: _____

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: _____

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) Dedicated tubing

Time Completed: 1340 Total Purge ~7.5 Units L

Field Measurements:

1245 Time (24 hour)	Amount purged L (~~ml~~)	pH	SPC ~~COND~~ (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1250	1.25	7.28	1.11	11.4	0.92	7.6	-95.5	5.85
1255	2.5	7.32	1.09	3.81	0.55	7.6	-112.4	5.85
1300	3.75	7.34	1.09	1.70	0.24	7.3	-120.1	5.86
1305	5.0	7.35	1.08	2.56	0.21	7.3	-126.4	5.85
1310	6.25	7.35	1.07	0.02	0.17	7.2	-131.0	5.85
1315	7.5	7.35	1.07	0.02	0.14	7.1	-135.1	5.85

Flow Rate ~250 mL/min

Pump controller setting 55-60%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-27

Sample I.D.(match bottle and COC form exactly): MW-27

Personnel: AB

Date: 2/17/26 Static Depth to Water (ft, btoc) 4.73

Date/Time Sample Collected (match bottle and COC form exactly): 2/17/26; 1216

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: ———

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: ———

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1144	———	———	START	———	———	———	———	———
1148		6.86	2.54	38.3	0.51	7.2	-105.2	5.02
1152		6.87	1.96	28.9	0.48	6.4	-110.3	5.03
1156		6.88	1.73	26.1	0.44	6.0	-114.5	5.04
1200		6.88	1.82	2.03	0.33	5.6	-120.9	5.05
1204		6.89	1.89	0.02	0.30	5.5	-123.2	5.05
1208		6.89	1.98	0.02	0.28	5.5	-127.0	5.05
1212		6.89	2.01	0.02	0.28	5.5	-130.6	5.05
1216		6.89	2.03	0.02	0.29	5.5	-133.1	5.05

Flow Rate ~225 mL/min

Pump controller setting ~50%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-28

Sample I.D.(match bottle and COC form exactly): MW-28

Personnel: F. Davis Ray

Date: 2/18/26 Static Depth to Water (ft, btoc) 9.18

Date/Time Sample Collected (match bottle and COC form exactly): 2/18/26 1635

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: _____

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: _____

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) Dedicated tubing

Time Completed: 1700 Total Purge 6 Units L

Field Measurements:

1600 Time (24 hour)	Amount purged L (~~ml~~)	pH	SPC ~~COND~~ (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1605	1.0	6.64	0.91	9.10	0.46	5.4	-21.5	8.68
1610	2.0	6.65	0.89	31.9	0.31	5.1	-21.5	8.70
1615	3.0	6.63	0.89	14.4	0.27	5.1	-21.5	8.72
1620	4.0	6.62	0.89	7.84	0.16	5.3	-22.2	8.73
1625	5.0	6.62	0.90	7.16	0.14	5.2	-22.6	8.74
1630	6.0	6.63	0.89	6.65	0.13	5.3	-22.8	8.75

Flow Rate ~200 mL/min

Pump controller setting 50-55%

General Comments:

_____

_____

_____

Water Sample Collection Field Data Sheet

Site Name: GHHI Well I.D.: MW-30

Sample I.D. (match bottle and COC form exactly): MW-30

Personnel: F. Davis Ray Date: 2/16/26

Static Depth to Water (ft, btoc): 6.41 Well Total Depth (ft, btoc): _____

Date/Time Sample Collected (match bottle and COC form exactly): 2/16/26 1535

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Field Duplicate Yes (No) Duplicate Sample I.D.: _____

Sample QC: Equipment Blank Yes (No) Equip. Blank Sample I.D.: _____

Well Purging Data (Fill in All Blanks):

Depth of Sample Collection (pump intake depth; ft,btoc): Dedicated tubing

Time Completed: 1625 Total Purge: ~8.5 Units: L

Field Measurements:

Time (24-hour)	Amount Purged (L)	pH	SPC ~~COND.~~ (~~µS/cm~~) mS/cm	TURB. (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)	Flow Rate (mL/min)
1455									
1500	0.75	7.22	4.53	6.18	0.56	6.6	-117.1	7.45	150
1505	1.50	7.22	4.56	3.49	0.34	6.4	-142.2	7.43	150
1510	2.25	7.22	4.57	2.08	0.23	6.3	-152.0	7.42	150
1515	3.0	7.21	4.56	1.48	0.19	6.2	-156.5	7.42	150
1520	3.75	7.20	4.57	0.74	0.14	6.2	-164.2	7.43	150
1525	4.5	7.20	4.57	4.30	0.18	6.2	-181.4	7.42	150
1530	5.25	7.20	4.58	0.02	0.14	6.2	-201.5	7.43	150
1535	6.00	7.20	4.59	0.02	0.12	6.2	-217.3	7.43	150
1540	6.75	7.20	4.60	0.02	0.10	6.1	-230.6	7.43	150
1545	7.5	7.20	4.60	0.02	0.11	6.2	-236.2	7.43	150
1550	8.25	7.19	4.61	0.02	0.10	6.1	-240.3	7.44	150

Flow Rate: ~150

Pump Controller Setting: 55-65%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well I.D.: MW-31

Sample I.D. (match bottle and COC form exactly): MW-31

Personnel: F. Davis Ray Date: 2/16/26

Static Depth to Water (ft, btoc): 5.83 Well Total Depth (ft, btoc): _____

Date/Time Sample Collected (match bottle and COC form exactly): 2/16/26 1640

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Field Duplicate Yes (No) Duplicate Sample I.D.: _____

Sample QC: Equipment Blank Yes (No) Equip. Blank Sample I.D.: _____

Well Purging Data (Fill in All Blanks):

Depth of Sample Collection (pump intake depth; ft,btoc): Dedicated Tubing

Time Completed: 1730 Total Purge: ~8 Units: L

Field Measurements:

Time (24-hour) 1130	Amount Purged (L)	pH	SPC ~~COND.~~ (~~µS/cm~~) mS/cm	TURB. (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)	Flow Rate (mL/min)
1135	0.5	7.46	2.18	63.1	0.72	7.5	34.3	6.63	100
1140	1.0	7.48	2.16	56.4	0.56	7.4	-10.4	6.95	100
1145	1.5	7.48	2.15	45.3	0.34	7.2	-48.3	7.22	100
1150	2.0	7.50	2.12	58.5	0.51	7.0	-67.2	7.58	100
1155	2.5	7.52	2.03	46.6	0.68	6.5	-84.9	7.91	100
1200	3.0	7.56	1.97	36.0	0.74	6.5	-94.3	8.18	100
1205	3.5	7.66	1.87	20.7	1.15	6.6	-102.8	8.45	100
1210	4.0	7.81	1.71	12.9	1.68	6.7	-109.1	8.67	100
1215	4.5	7.83	1.72	13.2	2.28	6.6	-114.4	9.02	100
1220	5.0	7.76	1.80	19.8	3.00	6.6	-112.3	9.45	100
1225	5.5	7.76	1.83	12.8	3.62	6.5	-106.5	9.86	100
1230	6.0	7.79	1.79	12.7	4.25	6.7	-97.6	10.24	100
1235	6.5	7.73	1.84	14.9	4.86	6.9	-91.3	10.61	100
1240	7.0	7.70	1.90	35.1	5.78	7.0	-92.3	10.84	100
1245	7.5	7.69	1.93	19.1	5.03	7.1	-91.5	11.20	100
1635	7.75	7.59	2.14	26.9	3.39	7.1	-79.8	5.56	100

Flow Rate: ~100 mL/min

Pump Controller Setting: 25-35%

General Comments:

+ Dissolved metals (>10 NTU)

500mL unpreserved

Water Sample Collection Field Data Sheet

Site Name: GHHI Well I.D.: MW-32

Sample I.D. (match bottle and COC form exactly): MW-32

Personnel: F. Davis Ray Date: 2/16/26

Static Depth to Water (ft, btoc): 6.95 Well Total Depth (ft, btoc): _____

Date/Time Sample Collected (match bottle and COC form exactly): 2/16/26 1355

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Field Duplicate Yes (No) Duplicate Sample I.D.: _____

Sample QC: Equipment Blank Yes (No) Equip. Blank Sample I.D.: _____

Well Purging Data (Fill in All Blanks):

Depth of Sample Collection (pump intake depth; ft,btoc): Dedicated tubing

Time Completed: 1425 Total Purge: 6 Units: L

Field Measurements:

Time (24-hour)	Amount Purged (L)	pH	SPC ~~COND.~~ (~~µS/cm~~) mS/cm	TURB. (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)	Flow Rate (mL/min)
1310									
1315	0.75	7.64	1.39	26.9	1.13	7.6	-154.1	6.99	150
1320	1.5	7.65	1.39	11.6	0.36	7.5	-172.3	7.01	150
1325	2.25	7.65	1.39	13.0	0.22	7.4	-179.0	7.01	150
1330	3.0	7.65	1.39	13.1	0.15	7.3	-182.5	7.00	150
1335	3.75	7.65	1.39	9.68	0.32	7.4	-174.7	7.01	150
1340	4.5	7.65	1.39	0.32	0.22	7.4	-181.4	7.01	150
1345	5.25	7.66	1.39	0.38	0.17	7.3	-185.1	7.01	150
1350	6.0	7.66	1.39	0.34	0.13	7.3	-186.6	7.01	150

Flow Rate: ~150 mL/min

Pump Controller Setting: 50%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: HDR-GHHI Well ID.: MW-33

Sample I.D.(match bottle and COC form exactly): MW-33, MWT-33

Personnel: AB

Date: 2/17/26 Static Depth to Water (ft, btoc) 2.28

Date/Time Sample Collected (match bottle and COC form exactly): 2/17/26; 1030

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate (Yes) (No AB) Duplicate Sample ID: MWT-33 AB

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: —

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
952			START					
956		6.81	0.94	21.7	0.67	6.6	-57.2	2.39
1000		6.94	0.81	20.4	1.02	6.1	-49.2	2.40
1004		7.08	0.721	11.7	1.82	5.4	-43.3	2.40
1008		7.02	0.735	4.61	2.04	5.3	-35.9	2.40
1012		7.11	0.693	2.55	1.96	5.3	-39.3	2.41
1016		7.09	0.696	8.37	1.72	5.4	-36.0	2.41
1020		7.05	0.710	2.21	1.78	5.5	-34.9	2.41
1024		7.08	0.694	0.45	1.69	5.5	-34.2	2.41
1028		7.09	0.694	0.99	1.74	5.5	-33.8	2.41
1120		END						

Flow Rate ~250mL/min

Pump controller setting ~50 %

General Comments:

well box flooded w/ snow melt; j-plug holds
↳ drained during purge, keeps refilling slow, not sealed

Water Sample Collection Field Data Sheet

Site Name: GHH1 Well ID.: MW-34

Sample I.D.(match bottle and COC form exactly): MW-34

Personnel: AB

Date: 02/17/26 Static Depth to Water (ft, btoc) 5.18

Date/Time Sample Collected (match bottle and COC form exactly): 2/17/26, 910

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: ——

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: ——

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
828	—	START		—	3.61	—	—	
832		6.57	1.94	—	~~1.65~~	8.8	-72.7	5.25
836		6.62	1.93	31.2	1.65	8.8	-92.8	5.25
840		6.61	1.93	26.7	0.82	8.8	-102.9	5.25
844		6.61	1.94	24.3	0.65	8.9	-109.7	5.26
848		6.60	1.95	18.8	0.61	8.9	-111.9	5.26
852		6.60	1.95	14.9	0.54	8.9	-113.2	5.26
856		6.60	1.95	9.7	0.50	8.9	-115.3	5.26
900		6.59	1.95	13.7	0.53	8.9	-116.9	5.26
904		6.59	1.95	9.4	0.51	8.9	-118.4	5.26
908		6.59	1.95	8.6	0.52	8.9	-119.1	5.26
934	—	END						

Flow Rate ~45%

Pump controller setting ~200 mL/min

General Comments:

_____

_____

_____

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-36

Sample I.D.(match bottle and COC form exactly): MW-36

Personnel: AB

Date: 2/18/26 Static Depth to Water (ft, btoc) 9.36

Date/Time Sample Collected (match bottle and COC form exactly): 2/18/26; 935

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: ———

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: ———

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
858			START					
902		10.17	0.583	34.8	0.47	6.7	-124.6	9.43
906		9.88	0.612	9.44	0.37	6.8	-162.1	9.44
910		9.76	0.636	14.6	0.28	6.7	-177.4	9.44
914		9.60	0.658	12.1	0.26	6.6	-197.9	9.44
918		9.49	0.672	8.30	0.22	6.6	-229.7	9.44
922		9.39	0.689	8.12	0.23	6.5	-247.2	9.44
926		9.32	0.697	6.92	0.22	6.6	-258.4	9.44
930		9.28	0.704	6.35	0.22	6.7	-262.7	9.44
934		9.26	0.709	5.93	0.23	6.6	-266.3	9.44

Flow Rate_____

Pump controller setting_____

General Comments:

_____

_____

_____

Water Sample Collection Field Data Sheet

Site Name: CHH1 Well ID.: MW-37

Sample I.D.(match bottle and COC form exactly): MW-37

Personnel: AB

Date: 2/18/26 Static Depth to Water (ft, btoc) 10.13

Date/Time Sample Collected (match bottle and COC form exactly): 2/18/26, 1120

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: —

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: —

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units L

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)	
1030	—	—	START	—	—	—	—	—	
1040	— empty		YSI high turbid H_2O	—	—	—	—	10.22	
1044		7.47	1.13	4.00	0.68	7.1	-74.6	10.22	
1048		7.50	1.13	27.2	0.48	7.2	-94.9	10.22	
1052		7.52	1.14	19.5	0.42	7.2	-103.6	10.22	
1056		7.52	1.14	10.6	0.40	7.3	-105.7	10.22	
1100		7.53	1.14	185!	0.33	7.3	-110.1	10.22	hit bot wind moved tubing
1104		7.55	1.14	10.2	0.32	7.2	-105.6	10.22	
1108		7.55	1.14	6.27	0.29	7.2	-116.1	10.22	
1112		7.56	1.14	3.58	0.25	7.3	-120.7	10.22	
1116		7.57	1.14	0.02	0.27	7.3	-129.6	10.22	
1120		7.56	1.14	0.02	0.26	7.3	-126.1	10.22	

Flow Rate ~250 mL/min

Pump controller setting ~30%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-38

Sample I.D.(match bottle and COC form exactly): MW-38

Personnel: AB

Date: 2/18/26 Static Depth to Water (ft, btoc) 11.37

Date/Time Sample Collected (match bottle and COC form exactly): 2/18/26, 1200

Sample Method: LF Peri

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: —

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: —

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) dedicated tubing

Time Completed: _____ Total Purge _____ Units_____

Field Measurements:

Time (24 hour)	Amount purged (ml)	pH	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
834			START					
838		8.54	0.583	8.33	1.01	7.3	81.2	12.17
842		8.70	0.573	8.66	0.82	7.4	76.1	12.81
846		8.92	0.580	13.7	1.26	7.4	-2.5	13.20
850		9.02	0.579	11.9	1.09	7.5	-51.7	DRY
1200 —	resample throughout day w/ recharge							

Flow Rate ~50mL/min

Pump controller setting as low as possible

General Comments:

slow purge well, let recharge, sample recharge throughout day

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-39

Sample I.D.(match bottle and COC form exactly): MW-39

Personnel: F. Davis Ray

Date: 2/19/26 Static Depth to Water (ft, btoc) 8.04

Date/Time Sample Collected (match bottle and COC form exactly): 2/19/26 1620

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: _____

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: _____

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) Dedicated tubing

Time Completed: 1640 Total Purge 11 Units L

Field Measurements:

1520 Time (24 hour)	Amount purged L (~~ml~~)	pH	SPC ~~COND~~ (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1525	1.0	7.01	2.16	34.6	2.44	5.8	-22.5	7.95
1530	2.0	7.03	2.11	30.4	1.85	6.1	-37.1	7.88
1535	3.0	7.06	2.06	22.5	1.38	5.9	-48.1	7.96
1540	4.0	7.09	1.96	13.2	1.13	6.2	-56.9	7.98
1545	5.0	7.11	1.90	10.3	0.98	6.4	-64.0	7.99
1550	6.0	7.12	1.87	7.24	0.90	6.4	-69.1	8.00
1555	7.0	7.15	1.82	4.93	0.81	6.4	-74.2	8.01
1600	8.0	7.17	1.81	2.75	0.74	6.0	-78.0	8.02
1605	9.0	7.19	1.78	4.26	0.68	6.1	-81.5	8.01
1610	10.0	7.20	1.78	8.17	0.70	6.0	-83.9	8.02
1615	11.0	7.21	1.76	4.84	0.69	6.1	-86.8	8.01

Flow Rate ~200 mL/min

Pump controller setting 55%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well I.D.: MW-41

Sample I.D. (match bottle and COC form exactly): MW-41

Personnel: E. Davis Ray Date: 2/17/26

Static Depth to Water (ft, btoc): 9.93 Well Total Depth (ft, btoc): _____

Date/Time Sample Collected (match bottle and COC form exactly): 2/17/26 1535

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Field Duplicate Yes (No) Duplicate Sample I.D.: _____

Sample QC: Equipment Blank Yes (No) Equip. Blank Sample I.D.: _____

Well Purging Data (Fill in All Blanks):

Depth of Sample Collection (pump intake depth; ft,btoc): Dedicated tubing

Time Completed: 1640 Total Purge: ~6 Units: L

Field Measurements:

Time (24-hour)	Amount Purged (L)	pH	SPC ~~COND.~~ (~~µS/cm~~) mS/cm	TURB. (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)	Flow Rate (mL/min)
0835									
0840	0.75	7.77	3.64	81.1	0.99	5.3	17.9	10.35	150
0845	1.5	7.78	3.63	89.8	0.88	5.3	-19.0	10.54	150
0850	2.25	7.83	3.61	112	0.71	5.5	-72.4	11.04	150
0855	3.00	7.62	4.28	91.0	0.53	7.0	-165.7	11.42	150
0900	3.75	7.74	3.93	94.3	0.50	6.1	-166.3	11.81	150
0905	4.5	7.76	3.75	61.4	0.58	6.2	-165.0	12.14	150
0910	5.25	7.73	3.73	43.6	1.21	6.3	-161.9	12.60	150
0915	6.00	7.71	3.72	73.1	4.12	6.3	-140.6	12.83	150
1530	6.25	7.75	3.46	42.7	2.56	7.5	85.7	9.61	~100 (variable)

Flow Rate: ~150 mL/min

Pump Controller Setting: ~~35-40%~~ 30-35% FOR

General Comments:

+ Dissolved Metals (>10 NTU) - 500mL unp.

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-42

Sample I.D.(match bottle and COC form exactly): MW-42

Personnel: F. Davis Ray

Date: 2/18/26 Static Depth to Water (ft, btoc) 6.82

Date/Time Sample Collected (match bottle and COC form exactly): 2/18/26 1155

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: _____

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: _____

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) Dedicated tubing

Time Completed: 1220 Total Purge 6 Units L

Field Measurements:

1120 Time (24 hour)	Amount purged L (~~ml~~)	pH	SPC ~~COND~~ (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1125	1.0	6.84	2.82	34.2	0.40	5.3	1.1	5.90
1130	2.0	6.82	2.82	17.2	0.24	5.2	-14.4	5.91
1135	3.0	6.79	2.82	8.31	0.19	5.2	-25.7	5.92
1140	4.0	6.78	2.81	8.28	0.21	5.2	-34.2	5.93
1145	5.0	6.78	2.81	6.82	0.17	5.1	-39.5	5.94
1150	6.0	6.76	2.81	6.94	0.17	5.1	-43.2	5.95

Flow Rate ~200 mL/min

Pump controller setting 50%

General Comments:

Water Sample Collection Field Data Sheet

Site Name: GHHI Well ID.: MW-43

Sample I.D.(match bottle and COC form exactly): MW-43

Personnel: F. Davis Ray

Date: 2/19/26 Static Depth to Water (ft, btoc) 6.04

Date/Time Sample Collected (match bottle and COC form exactly): 2/19/26 1215

Sample Method: Peristaltic

Water level meter, pump, and tubing decontaminated prior: (Yes) No

Sample QC: Duplicate Yes (No) Duplicate Sample ID: _____

Sample QC: Equipment Blank Yes (No) Equip Blank Sample ID: _____

Well Purging Data (Fill In All Blanks)

Depth of Sample Collection (pump depth) (ft, btoc) Dedicated tubing

Time Completed: 1235 Total Purge ~25 Units L

Field Measurements:

1045 Time (24 hour)	Amount purged ~~(mL)~~ L	pH	SPC ~~COND~~ (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (C°)	ORP (mV)	Water Depth (ft, btoc)
1050	1.5	7.62	0.92	13.2	0.86	5.6	-5.1	5.38
1055	3.0	7.59	0.94	3.13	0.53	5.3	-12.4	5.40
1100	4.5	7.57	0.94	1.15	0.37	5.3	-19.1	5.40
1105	6.0	7.55	0.95	0.84	0.31	5.3	-29.3	5.40
1110	7.5	7.55	0.95	0.55	0.28	5.3	-35.4	5.40
1115	9.0	7.55	0.95	0.02	0.30	5.3	-43.8	5.40
1120	10.5	7.55	0.94	0.02	0.32	5.2	-52.0	5.39
1125	12.0	7.54	0.94	0.02	0.31	5.2	-60.8	5.39
1130	13.5	7.54	0.94	0.02	0.33	5.3	-68.3	5.39
1135	15.0	7.53	0.94	0.02	0.30	5.3	-75.6	5.39
1140	16.5	7.53	0.94	0.02	0.31	5.3	-88.5	5.39
1145	18.0	7.54	0.93	0.02	0.29	5.3	-103.0	5.40
1150	19.5	7.54	0.94	0.02	0.27	5.3	-119.5	5.40
1155	21.0	7.53	0.94	0.02	0.25	5.3	-128.6	5.40
1200	22.5	7.53	0.93	0.02	0.23	5.3	-134.4	5.40
1205	24.0	7.53	0.93	0.02	0.21	5.3	-135.5	5.40
1210	25	7.53	0.93	0.02	0.22	5.2	-132.9	5.40

Flow Rate ~250-300 mL/min

Pump controller setting 60-65%

General Comments:

Water Level Sweep - Measurement and Inspection Form

Project: GHHL - Feb 26 Sampling Date: 2/16/26

Personnel: AB

Well ID	Time	TOC Elevation (ft amsl)	Total Depth (ft btoc)	Well Type	Well Diameter (inches)	Well Pad	Prior Measurement (ft btoc)	Current Measurement (ft btoc)	Additional Comments
~~MW-01R~~ AB	1428	588.45		Stickup	2		8.55	7.98	
~~MW-01RB~~ AB	1426	need		Stickup	2		–	10.27	
~~MW-02~~ FDR	1408	595.64		Stickup	2		16.84	17.23	
~~MW-03~~ AB	1404	593.08		Stickup	2		14.24	14.59	
~~MW-04~~ AB	1402	591.49		Stickup	2		12.58	12.90	
~~MW-04R~~ AB	1901	need		Stickup	2		–	10.87	
~~MW-05~~ NS	1491	587.62		Stickup	2		8.14	7.63	
~~MW-06~~ AB	14.22	590.40		Stickup	2		10.85	10.05	
~~MW-07~~ FDR	1314	586.49		Stickup	2		7.56	7.94	
~~MW-08~~ FDR	1735	585.34		Stickup	2		6.14	6.24	
~~MW-09~~ FDR	1411	589.52		Stickup	2		10.91	11.22	
~~MW-09B~~ NS	1410	need		Stickup	2		–	11.71	
D3 ~~MW-10~~ FDR	1419	586.73		Stickup	2		7.23	7.37	
D2 ~~MW-11~~ AB	1424	595.27		Stickup	2		15.84	19.90	
~~MW-12~~ AB	1931	588.03		Stickup	2		8.24	7.98	
MW ~~PZ-13~~ AB	1339	585.94		Stickup	2		7.08	7.61	
~~PZ-14~~ NS	1343	586.31		Stickup	2		7.41	7.66	
~~PZ-15~~ NS	1304	592.38		Stickup	2		13.14	13.32	
~~PZ-15B~~ NS	1303			Stickup	2		–	13.60	
~~MW-16~~ AB/FDR	1259	584.91		Stickup	2		6.18	7.58	
~~MW-17~~ FDR		587.02		Stickup	2		7.71	7.72	
~~MW-18~~ FDR	1735	587.22		Stickup	2		7.72	7.37	
~~MW-19~~ FDR	1450	585.86		Stickup	2		6.56	6.41	
~~MW-20~~ FDR	1320	585.74		Stickup	2		6.43	6.23	
~~PZ-21~~ NS				Stickup	2		–	IA	Enguifrment HAZARD Photo+VID
~~PZ-22~~ NS	1614			Stickup	2		–	4.46	
~~PZ-23~~ NS	1251	587.21		Stickup	2		8.30	8.69	
~~PZ-24~~ NS	1234	587.25		Stickup	2		8.55	8.11	
~~PZ-25~~ NS	1239	586.37		Stickup	2		7.62	8.09	
~~PZ-26~~ NS	1230	586.27		Stickup	2		7.29	10.56	
~~MW-27~~ AB	1227	585.09		Stickup	2		5.78	5.36	
~~MW-28~~ FDR	1345	588.07		Stickup	2		9.06	9.18	
~~PZ-29~~ NS	1610			Stickup	2		–	4.20	
~~MW-30~~ FDR	1448	585.8		Stickup	2		6.82	6.41	
~~MW-31~~ FDR	1108	585.73		Stickup	2		6.78	5.83	
~~MW-32~~ FDR	1309	586.26		Stickup	2		7.32	6.95	
P1 ~~MW-33~~ AB	1222	582.812		Flush	2		3.59	2.93	
~~MW-34~~ AB	1653	584.37		Flush	2		5.59	5.13	
~~MW-35~~ NS	1106	589.72		Flush	2		9.99	8.97	
~~MW-36~~ AB	1355	589.62		Stickup	2		9.81	9.71	
~~MW-37~~ AB	1353	589.62		Stickup	2		10.30	1044	
~~MW-38~~ AB	1350	590.51		Stickup	2		11.24	1158	
~~MW-39~~ FDR	1327	587.36		Stickup	2		8.04	8.04	
~~MW-40~~ NS	1330	586.78		Stickup	2		7.56	7.06	
~~MW-41~~ FDR	1415	need		Stickup	2		–	9.93	
~~MW-42~~ FDR	1609	need		Stickup	2		–	6.82	
~~MW-43~~ FDR	1553	need		Stickup	2		–	6.04	
~~MW-44~~ NS	1657	need		Stickup	2		–	7.84	
~~MW-44B~~ NS	1700	need		Stickup	2		–	14.21	very pressurized
~~SG-01 xducer~~ NS	1412			Stickup	2		DRY		DOES NOT EXIST
~~SG-01 Gauge~~ NS	1412			Staff Gauge	–		DRY	DRY	
~~SG-02 xducer~~	1557	need?		Stickup	2		~3.73	~3.73	frozen, unreliable
~~SG-02 Gauge~~	1557	584.39		Staff Gauge	–		DRY	~1.30	frozen, unreliable
~~SG-03 xducer~~ NS		need?		Stickup	2				DOES NOT EXIST
~~SG-03 Gauge~~ NS				Staff Gauge	–		DRY	DRY	
~~SG-04R xducer~~		need?		Stickup	2		DRY	DRY	
~~SG-04R Gauge~~		585.05		Staff Gauge	–		DRY	DRY	
~~SG-05 xducer~~		need?		Stickup	2		DRY	1.31	- point
~~SG-05 Gauge~~		580.71		Staff Gauge	–		DRY	DRY	
~~SG-06~~ DRY/NS		need		Stickup	2		DRY	DRY	
~~SG-07 xducer~~ AB		need		Stickup	2		IA	IA	frozen
~~SG-07 Gauge~~		need		Staff Gauge	–		1.20	1.10	frozen ~ 1.10
~~STW-1 DP~~ NS		need		Stickup	2			DRY	
~~STW-1 SW~~ NS		need		Stickup	2			DRY	
STW-1 Gauge (offshore) NS				Staff Gauge	–			DRY	
~~STW-2~~ NS		need		Stickup	2		7.65	~8.24	frozen unreliable
~~STW-3~~ NS				Stickup	2		14	14.14	frozen
SG-07 Bridge		need							
~~STW-2 Rail~~		need						~8.35	frozen unreliable

M
30 wells
~4 SGs

T
21 wells
~4 SGs (weather)

W
11 wells
~4 transducers

R

F

Slow wells
31✓ 2✓ 38✓

919 849 2100

Appendix B

Data Validation Reports

Data Verification & Validation Report

Grand Haven-Harbor Island

Sampling Event (dates and purpose): Quarterly Assessment Monitoring

Data Package Number: 26B0735, 26B0744
Data Validator: Andrew Byks

Lab Report Date: 3/4/2026, 3/26/2026
Data Validation Completion Date: 4/1/2026

General Overall Assessment:
_____ Data are usable without qualification.
__X__ Data are usable with qualification (as noted below).
_____ Some or all data are unusable (as noted below).

Wells planned for sampling:

Unit 3A/B	Unit 1/2	Well Designation	Well ID	Planned for Sampling
✓	✓	Nature & Extent	MW-01R	X
✓	✓	Nature & Extent	MW-01RB	X
✓		Point of Compliance	MW-02	X
✓		Point of Compliance	MW-03	X
✓		Point of Compliance	MW-04	X
✓		Point of Compliance	MW-04R	X
	✓	Point of Compliance	MW-06	X
	✓	Nature & Extent	MW-07	X
	✓	Point of Compliance	MW-08	X
✓	✓	Nature & Extent	MW-09	X
✓	✓	Nature & Extent	MW-10	X
✓		Point of Compliance	MW-11	X
✓		Point of Compliance	MW-12	X
✓		Nature & Extent	MW-13	X
	✓	Nature & Extent	MW-16	X
	✓	Nature & Extent	MW-17	X
	✓	Point of Compliance	MW-18	X
	✓	Point of Compliance	MW-19	X
	✓	Point of Compliance	MW-20	X
✓	✓	Background	MW-27	X
	✓	Nature & Extent	MW-28	X
	✓	Point of Compliance	MW-30	X
	✓	Point of Compliance	MW-31	X
✓	✓	Nature & Extent	MW-32	X
✓	✓	Background	MW-33	X
✓	✓	Background	MW-34	X
	✓	Nature & Extent	MW-36	X
	✓	Nature & Extent	MW-37	X
✓		Nature & Extent	MW-38	X
✓		Nature & Extent	MW-39	X
✓	✓	Nature & Extent	MW-41	X
	✓	Nature & Extent	MW-42	X
	✓	Nature & Extent	MW-43	X
✓	✓	Surface Water	SG-02	
✓	✓	Surface Water	SG-04R	
✓	✓	Surface Water	SG-05	
✓	✓	Surface Water	SG-07	X

Data Summary

Sample ID	Matrix	Lab ID	Date Collected	Metals	Mercury	Part 115 Metals	Alkalinity/ Anions	TDS TSS	Rad-226 Rad-228	Diss. Metals
MW-34	GW	26B0735-01	2/17/2026	X	X	X	X	X	X	
MW-33	GW	26B0735-01	2/17/2026	X	X	X	X	X	X	
MW-27	GW	26B0735-01	2/17/2026	X	X	X	X	X	X	
MW-11	GW	26B0735-01	2/17/2026	X	X	X	X	X	X	
MWT-11	GW	26B0735-01	2/17/2026	X	X	X	X	X	X	
MWT-33	GW	26B0735-01	2/17/2026	X	X	X	X	X	X	
MW-06	GW	26B0735-01	2/17/2026	X	X	X	X	X	X	
MW-41	GW	26B0735-01	2/17/2026	X	X	X	X	X	X	X
MW-10	GW	26B0735-01	2/17/2026	X	X	X	X	X	X	
MWT-10	GW	26B0735-01	2/17/2026	X	X	X	X	X	X	
MW-09	GW	26B0735-01	2/17/2026	X	X	X	X	X	X	
MW-02	GW	26B0735-01	2/17/2026	X	X	X	X	X	X	X
MW-30	GW	26B0735-01	2/16/2026	X	X	X	X	X	X	
MW-31	GW	26B0735-01	2/16/2026	X	X	X	X	X	X	X
MW-32	GW	26B0735-01	2/16/2026	X	X	X	X	X	X	
LLHGTB-02162026	AQ	26B0735-01	2/16/2026		X					
LLHGTB-02172026	AQ	26B0735-01	2/17/2026		X					
MW-08	GW	26B0735-01	2/18/2026	X	X	X	X	X	X	
MW-42	GW	26B0735-01	2/18/2026	X	X	X	X	X	X	
MW-17	GW	26B0735-01	2/18/2026	X	X	X	X	X	X	
MW-19	GW	26B0735-01	2/18/2026	X	X	X	X	X	X	
MW-28	GW	26B0735-01	2/18/2026	X	X	X	X	X	X	
LLHGTB-02182026	AQ	26B0735-01	2/18/2026		X					
MW-36	GW	26B0735-01	2/18/2026	X	X	X	X	X	X	
MW-37	GW	26B0735-01	2/18/2026	X	X	X	X	X	X	
MW-38	GW	26B0735-01	2/18/2026	X	X	X	X	X	X	
MW-13	GW	26B0735-01	2/18/2026	X	X	X	X	X	X	
MW-12	GW	26B0735-01	2/18/2026	X	X	X	X	X	X	
MW-03	GW	26B0735-01	2/19/2026	X	X	X	X	X	X	
MW-04	GW	26B0735-01	2/19/2026	X	X	X	X	X	X	
MW-04R	GW	26B0735-01	2/19/2026	X	X	X	X	X	X	
MW-01RB	GW	26B0735-01	2/19/2026	X	X	X	X	X	X	
MW-01	GW	26B0735-01	2/19/2026	X	X	X	X	X	X	
MW-16	GW	26B0735-01	2/19/2026	X	X	X	X	X	X	
SG-07	SW	26B0735-01	2/19/2026	X	X	X	X	X	X	
LLHGTB-02192026	AQ	26B0735-01	2/19/2026		X					
MW-07	GW	26B0735-01	2/19/2026	X	X	X	X	X	X	
MW-43	GW	26B0735-01	2/19/2026	X	X	X	X	X	X	
MW-20	GW	26B0735-01	2/19/2026	X	X	X	X	X	X	
MW-18	GW	26B0735-01	2/19/2026	X	X	X	X	X	X	
MW-39	GW	26B0735-01	2/19/2026	X	X	X	X	X	X	

Other analytes requested for analysis: Na, Mg, K, HCO_3, CO_3, hardness

Any planned sampling or analysis NOT completed? If yes, explain: Surface water samples were not collected at SG-02, SG-04R, or SG-05 sampling locations as the field conditions remained dry for the duration of the sampling event.

Data Verification & Validation Checklist

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Field Data							
Sample Collection Field Forms	X		Purging performed as required in the Groundwater Monitoring Plan	X			See below.
Field Calibration Records	X		Field instruments calibrated daily according to manufacturer specifications	X			
Chain of Custody	X		Accurately reflect samples, collection dates/times, analyses, bottles, etc.	X			
Field decontamination documentation	X		Record of decontamination for non-dedicated sampling equipment	X			
Drilling logs	X		N/A	-	-	-	
Well construction logs	X		N/A	-	-	-	
Well development field forms	X		N/A	-	-	-	
Analytical Data Package							
Cover Sheet	X		N/A	-	-	-	
Case Narrative	X		Summarizes sample receipt and any exceptions to QC acceptance criteria	X			
Internal Laboratory Chain of Custody forms	X		Analyses as requested; accurate transcription of field COC	X			
Sample Chronology and Consistency	X		Accurate representation of dates, times of receipt, preparation, and analysis	X			
Communication Records with Lab	X		E-mail records saved with final report	X			
EDD Format Consistency	X		EDD format and content as requested	X			
Sample Identification, Results Nomenclature, and Data Qualifier Consistency	X		All included in final report	X			
Method Detection Limit Consistency	X		MDLs consistent between samples		X		Dilution varies between samples.
Instrument Calibration Records	X		Present and no nonconformance noted	X			
Laboratory Report Complete	X		Includes QC component	X			
Holding Times	X		Analyses performed within allowed holding time		X		pH required qualification in 41 samples.

Review Category	Verify Complete		Validation Criteria	Criteria Met?			Description of Nonconformance and Qualification (if applicable)
	Yes	No		Yes	No	N/A	
Method	X		Method as requested	X			
Reporting Limits	X		RLs as requested	X			RLs for the following were not met: B – 9 samples (results > RL) Ca – 3 samples (results > RL) Chloride – 1 sample (result > RL) Li – 2 samples (results > RL) Mg – 8 samples (results > RL) Ni – 1 sample (result > RL) Na – 8 samples (results > RL) Sulfate – 15 samples (results > RL) TDS – 41 samples (results > RL) TSS – 32 samples (11 ND results)
			MDLs<RLs	X			MDLs = RLs for silver and TSS
			MDLs<GPS	X			
QC Validation							
Evaluate Accuracy							
Matrix Spike (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Laboratory Control Sample (Recovery)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Evaluate Precision							
Matrix Spike Duplicate (RPD)	X		See "Minimum QC Procedures for Project Parameters" table	X			
Field Duplicate (RPD)	X		RPD ≤ 20%		X		See Below.
Evaluate Representativeness							
Equipment Blanks (if applicable)	N/A		Non-detect (<RL)	X			
QC Verification							
Verify Instrument Calibration & Analytical Process							
Initial Calibration Verification	X		Laboratory-determined	-	-	-	
Continuing Calibration Verification	X		Laboratory-determined	-	-	-	
Initial Calibration Blank	X		Laboratory-determined	-	-	-	
Continuing Calibration Blank	X		Laboratory-determined	-	-	-	
Serial Dilutions	X		Laboratory-determined	-	-	-	
Post-Digestion Spikes	X		Laboratory-determined	-	-	-	
Internal Standards	X		Laboratory-determined	-	-	-	
Laboratory Duplicate (RPD)	X		Laboratory-determined	-	-	-	
Method Blanks	X		Laboratory-determined	-	-	-	
Evaluate Completeness (# usable measurements/ # unusable measurements)							
Completeness	X		100%	X			

Comments:

Turbidity in MW-02, MW-31, and MW-41 did not stabilize under 10 NTU by the end of purging. Field filtered samples were collected at MW-02, MW-31, and MW-41 and were analyzed for dissolved metals.

The RPDs of beryllium, Radium-226, Radium-228 and Combined Radium 226+228 were outside of control limits for the MW-10 and MWT-10 parent sample and field duplicate pair. Beryllium, Radium-226, Radium-228, and Combined Radium-226+228 required qualification as estimated with low bias (J-) in parent sample MW-10 and as estimated with high bias (J+) in field duplicate MWT-10.

Mercury was detected in parent sample MW-10, but was not detected in field duplicate MWT-10. Mercury required qualification in parent sample MW-10 as estimated with high bias (J+) and in field duplicate MWT-10 as estimated but not detected (UJ).

The RPDs of beryllium, cobalt, copper, selenium, vanadium, and Radium-228 were outside of control limits for the MW-11 and MWT-11 parent sample and field duplicate pair. Beryllium, selenium, and Radium-228 required qualification as estimated with high bias (J+) and in field duplicate MWT-11 as estimated with low bias (J-). Cobalt, copper, and vanadium required qualification as estimated with low bias (J-) in parent sample MW-11 and as estimated with high bias (J+) in field duplicate MWT-11.

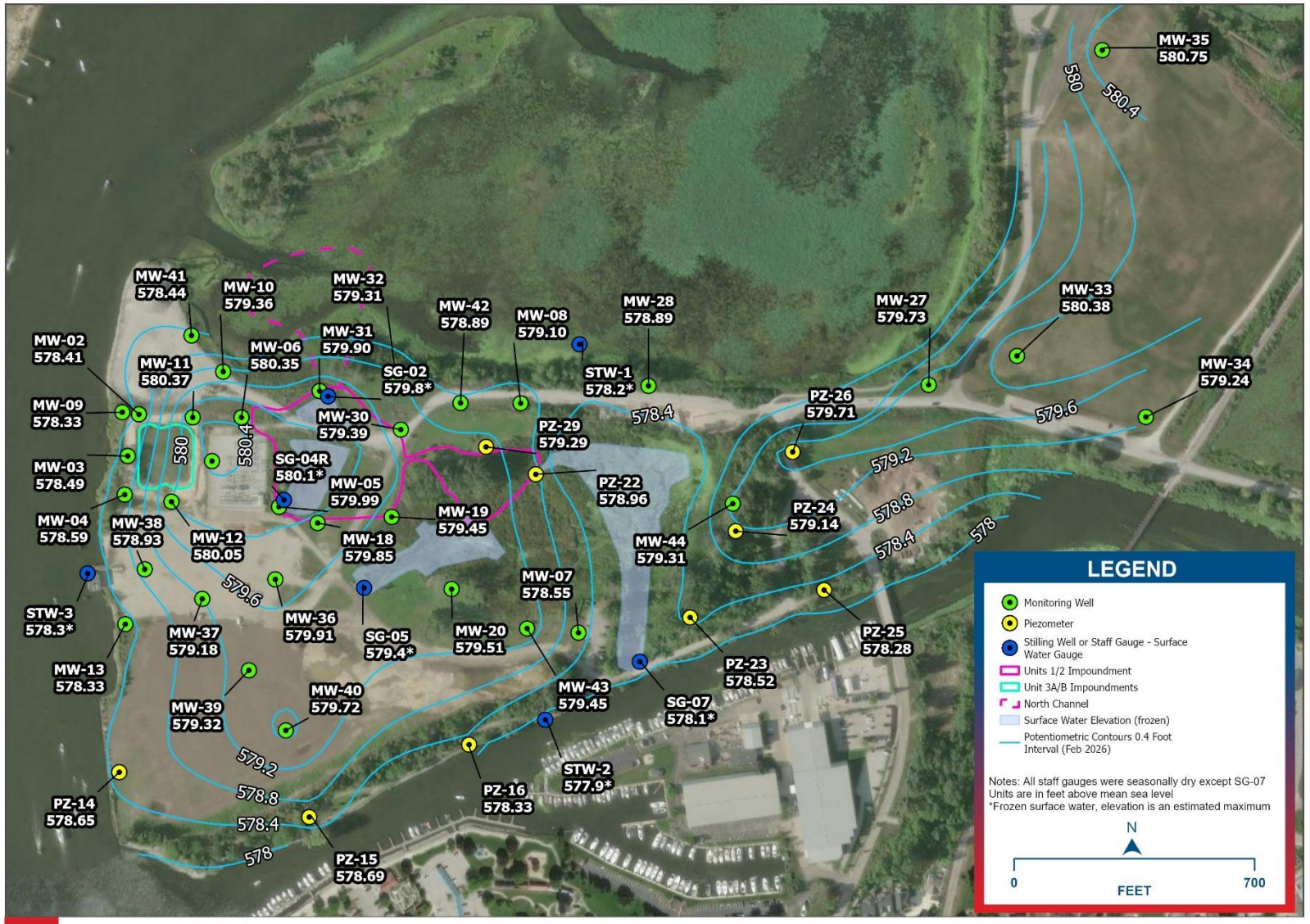
The RPDs of boron, lithium, mercury, Radium-226, and Radium-228 were outside of control limits for the MW-33 and MWT-33 parent sample and field duplicate pair. Boron, lithium, mercury, and Radium-228 required qualification as estimated with low bias (J-) in parent sample MW-33 and as estimated with high bias (J+) in field duplicate MWT-33. Radium-226 required qualification as estimated with high bias (J+) in parent sample MW-33 and as estimated with low bias (J-) in field duplicate MWT-33.

Beryllium was detected in parent sample MW-33, but was not detected in field duplicate MWT-33. Beryllium required qualification as estimated with high bias (J+) in parent sample MW-33 and as estimated but not detected (UJ) in field duplicate MWT-33.

Appendix C

Groundwater Contour Map
February 16, 2026 Water Level Measurements

Renew Harbor Island
Work today, protect tomorrow.



Renew Harbor Island HDR

FORMER J.B. SIMS GENERATING STATION
CITY OF GRAND HAVEN

Appendix D

Analytical Data Tables

Sample Location:		MW-01R	MW-01R	MW-01R	MW-01R	MW-01R	MW-01R	MW-01R	MW-01R	MW-01R	MW-01R	MW-01R	MW-01R	MW-01R	MW-01R	MW-01R	MW-01R
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/29/2022	1/3/2023	2/8/2023	3/14/2023	4/18/2023	5/23/2023	6/28/2023	8/8/2023	10/24/2023	2/13/2024	4/10/2024	7/18/2024	10/16/2024	2/25/2025	4/20/2025	8/13/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	2.39	3.06	2.731	2.595	3	3.1	3.23	3.22	3.13	2.51	2.87	3.13	2.89	2.97	2.71	3.09
Dissolved Oxygen	mg/L	0.08	0.05	0.07	0.28	0.11	0.03	0.01	0.01	0.03	0.22	1.35	0.01	0.01	0.02	0.05	0.06
Oxidation Reduction Potential	mV	42.3	3.6	-155.6	-185.5	-202.3	-210.1	-163.8	-165.1	-126.2	-57.3	-197.9	-316.1	7.7	-80.5	-203.4	-23.4
pH	su	7.74	6.02	7.75	7.76	7.75	7.8	7.81	7.68	7.71	7.52	7.58	7.73	7.72	7.75	7.81	7.72
Temperature	deg c	12.5	9	6.9	5.9	7.2	10.7	13.5	17.2	16.1	6.1	7.5	16.3	17	7.4	8.6	18.4
Turbidity	NTU	0.02	0.26	0.17	0.02	0.02	0.02	0.02	1.33	0.95	1.79	0.02	0.02	1.36	0.02	0.02	1.39
Appendix III																	
Boron	mg/L	100	110	73	70	78	110	150 J+	140	160	38	64	150	130	120	100	140
Calcium	mg/L	240	200	290	310	280	240	210	160	130	400	350	160	160	190	260	170
Chloride	mg/L	150	160	52	120	130	150	170	180	210	49	67	170	150	120	94	130
Fluoride	mg/L	14	14	9.5	8.1	8.8	10	15	14	14	4.8	6.7	15	16	14	11	16
Sulfate (as SO4)	mg/L	590	400	350	780	780	540	290	110	8.8	980	810	100	130	310	570	160
Totalissolved Solids	mg/L	2400 J-	2300	2200	2100	2400	2400	2400	2400	2600	2200	2300	2500	2300	2400	2300	2400
Appendix IV																	
Antimony	mg/L	0.00033	0.00023 J	< 0.00025 U	0.00034	0.0012	< 0.00050 U	0.00071 JD	0.00025	0.00022 J	< 0.00050 U	0.00017 J	0.00018 J	0.00019 J	0.00021 J	0.00018 J	0.00025
Arsenic	mg/L	0.0020	0.0015	0.0013	0.0013	0.00077	0.00073	0.0019 J+	0.0017	0.0013	0.0041	0.0013	0.0014	0.0015	0.0013	0.0013	0.0015
Barium	mg/L	0.30	0.30	0.25	0.22	0.21	0.29	0.29	0.38	0.56	0.54	0.20	0.33	0.42	0.38	0.40	0.55
Beryllium	mg/L	0.00021 J	0.00032	0.00020 J	0.00020 J	0.00012 J	0.00020 J	0.00036 J+	0.00035	0.00026	0.00015 J	< 0.000052 U	0.00013 J	< 0.000052 U	0.00012 J	0.00017 J	0.00031
Cadmium	mg/L	0.00011 J	0.000062 J	< 0.00016 U	< 0.000032 U	< 0.00016 U	< 0.00038 U	0.00034 J+	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.0013	0.0024	0.0016	0.0016	0.0013	0.0019	0.0043	0.0037	0.0022	0.022	0.0013	0.0033	0.0021	0.0019	0.0017	0.0025
Cobalt	mg/L	0.0011	0.0012	0.0011	0.0023	0.0017	0.00081	0.0045 J+	0.0016	0.001	0.0040	0.00064	0.0011	0.00095	0.0011	0.00098	0.0012
Fluoride	mg/L	14	14	9.5	8.1	8.8	10	15	14	14	4.8	6.7	15	16	14	11	16
Lead	mg/L	0.0014	0.00082	< 0.0011 U	0.00044 J	< 0.0011 U	0.00080 J	0.0053 J+	0.0010 JD	0.00074	0.0017 JD	0.00035 J	0.00062 JD	0.00069 JD	0.00087 JD	0.00038 J	0.00063
Lithium	mg/L	2.2	2.8	1.6	1.7	1.5	2.3	3.2	3.3	3.4	0.77	1.5	2.9	2.6	2.7	2.1	3.1
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00000016 U	0.00000052
Molybdenum	mg/L	0.0011 J	0.00062 J	0.00076 J	0.0020	< 0.0031 U	0.00033 J	0.00077 J+	0.00082 J	0.00074 J	0.0056	0.0016	0.00037 J	0.00034 J	0.00068 J	< 0.00025 U	0.00064 J
Radium 226 and 228	pCi/L	< 0.656 UJ	< 0.828 U	1.06	1.28	< 0.737 U	< 1.1 U	0.601	1.26	< 0.674 U	1.09	< 0.682 U	< 1.23 U	1.48	< 0.84 U	< 0.914 U	< 0.957 U
Radium-226	pCi/L	< 0.176 UJ	< 0.125 U	< 0.139 U	< 0.212 U	< 0.233 U	< 0.322 U	< 0.164 U	0.152	< 0.182 U	< 0.137 U	< 0.21 U	0.218	< 0.268 U	0.32	< 0.306 U	< 0.454 U
Radium-228	pCi/L	< 0.656 UJ	< 0.828 U	0.982	1.23	< 0.737 U	< 1.1 UJ	< 0.534 U	1.11	< 0.674 U	1.05	< 0.682 U	< 1.23 UG	1.37 G	< 0.84 U	< 0.914 U	< 0.957 U
Selenium	mg/L	0.00060	0.00059	0.00058	0.00097	0.00056	0.00030 J	0.00076 J+	0.00066	0.00073	0.0018	0.00050	0.00079	0.00073	0.00064	0.00045 J	0.00068
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.00038 UJ	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.00038 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	3.0 J	2.0 J	5.0	2.0 J	2.0 J	< 4.0 U	2.0 J	3.0 J	< 4 U	< 4.0 U	< 4.0 U	< 4.0 U	5.0	< 4.0 U	< 4.0 U	< 4.0 U
Michigan CCR Part 115																	
Copper	mg/L	0.00027	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	0.0013 B	0.00045	0.00029	0.0010	0.00029	0.00029	0.00030	0.00042	< 0.00020 U	0.00031
Iron	mg/L	0.75	1.1	0.55	0.50	0.59	0.79	0.48	0.16	0.22	0.85	1.0	0.088	0.093	0.13	0.090	0.059
Nickel	mg/L	0.0015	0.0025	0.0016	0.0026	0.0018	0.0013	0.0053	0.0027	0.0021	0.022	0.0012	0.0020	0.0019	0.0018	0.0018	0.0023
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	< 0.00025 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00069 J	0.00067 J	< 0.00062 U	< 0.00062 U	0.0013	0.0016	0.0046	0.0035	0.0018	0.0018	0.0014	0.0041	0.0020	0.0019	0.0021	0.0035
Zinc	mg/L	0.014	0.0012	0.0012	0.0018	0.013	< 0.0012 U	0.0085	0.0012	0.0013	0.0016	< 0.0012 U	< 0.0012 U	0.023	0.033	0.0012	0.028
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	1100	1200	870	830	920	1100	1300	1400	1700	560	820	1500	1400	1300	1000	1500
Carbonate Alkalinity	mg/L	< 1.6 U	< 1.6 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U
Magnesium	mg/L	110	92	110	110	120	110	100	96	100	110	120	100	99	120	110	90
Potassium	mg/L	69	66	50	43	60 J	65	89	90	98	34	50	86	86	85	64	91
Sodium	mg/L	330	370	250	240	280	380	430	430	500	140	220	430	400	410	310	440
Total Alkalinity	mg/L	1100	1200	870	830	920	1100	1300	1400	1700	560	820	1500	1400	1300	1000	1500

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-01R	MW-01R
Compliance Phase:		AM	AM
Sample Date:		10/22/2025	2/19/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	3.27	2.99
Dissolved Oxygen	mg/L	0.13	0.22
Oxidation Reduction Potential	mV	-274	-212.6
pH	su	7.63	7.79
Temperature	deg c	16.3	8.3
Turbidity	NTU	1.03	0.02
Appendix III			
Boron	mg/L	160	110
Calcium	mg/L	140	230
Chloride	mg/L	150	96
Fluoride	mg/L	17	13
Sulfate (as SO4)	mg/L	47	420
Totalissolved Solids	mg/L	2500	2300
Appendix IV			
Antimony	mg/L	0.00032	0.00098
Arsenic	mg/L	0.0012	0.0021
Barium	mg/L	0.81	0.48
Beryllium	mg/L	0.00031	0.00013 J
Cadmium	mg/L	0.00014 J	0.00030
Chromium, Total	mg/L	0.0028	0.0018
Cobalt	mg/L	0.0020	0.023
Fluoride	mg/L	17	13
Lead	mg/L	0.0016	0.0040
Lithium	mg/L	3.0	2.5
Mercury	mg/L	0.00000087	0.0000031
Molybdenum	mg/L	0.00038 J	0.0017
Radium 226 and 228	pCi/L	< 0.982 U	< 0.973 U
Radium-226	pCi/L	< 0.312 U	< 0.196 U
Radium-228	pCi/L	< 0.982 U	< 0.973 U
Selenium	mg/L	0.00074	0.00078
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	< 4.3 U	< 4.1 U
Michigan CCR Part 115			
Copper	mg/L	0.00035	0.0014
Iron	mg/L	0.16	1.4
Nickel	mg/L	0.0030	0.018
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.0037	0.0021
Zinc	mg/L	0.0032	0.052
Additional Parameters			
Bicarbonate Alkalinity	mg/L	1600	1300
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	110	120
Potassium	mg/L	100	84
Sodium	mg/L	470	370
Total Alkalinity	mg/L	1600	1300

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-01RB	MW-01RB
Compliance Phase:		Development	AM
Sample Date:		12/22/2025	2/19/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	0.868	1.18
Dissolved Oxygen	mg/L	0.01	0.28
Oxidation Reduction Potential	mV	-117.5	-136.4
pH	su	7.06	7.12
Temperature	deg c	12.1	12.5
Turbidity	NTU	0.02	2.05
Appendix III			
Boron	mg/L	3.9	2.8
Calcium	mg/L	140	140
Chloride	mg/L	53	73
Fluoride	mg/L	0.60	0.59
Sulfate (as SO4)	mg/L	17	15
Totalissolved Solids	mg/L	650	640
Appendix IV			
Antimony	mg/L	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.00078	0.00058
Barium	mg/L	0.27	0.28
Beryllium	mg/L	< 0.000052 U	0.000083 J
Cadmium	mg/L	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.00047	0.00039
Cobalt	mg/L	0.00064	0.00078
Fluoride	mg/L	0.6	0.59
Lead	mg/L	0.00031 J	0.00044 J
Lithium	mg/L	0.053	0.052
Mercury	mg/L	0.00000067	0.00000083
Molybdenum	mg/L	0.00058 J	0.00058 J
Radium 226 and 228	pCi/L	2.48	< 1.52 U
Radium-226	pCi/L	1.02	0.763
Radium-228	pCi/L	1.46	< 1.52 UG
Selenium	mg/L	0.00079	< 0.00010 U
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	14	5.0
Michigan CCR Part 115			
Copper	mg/L	--	0.00041
Iron	mg/L	11	9.5
Nickel	mg/L	0.00048 J	0.00064 J
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00078 J	0.00061 J
Zinc	mg/L	0.024	0.028
Additional Parameters			
Bicarbonate Alkalinity	mg/L	--	530
Carbonate Alkalinity	mg/L	--	< 0.16 U
Magnesium	mg/L	--	34
Potassium	mg/L	--	10
Sodium	mg/L	--	56
Total Alkalinity	mg/L	--	530

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/28/2022	1/4/2023	2/8/2023	3/14/2023	4/18/2023	5/23/2023	6/27/2023	8/8/2023	10/24/2023	2/13/2024	4/10/2024	7/17/2024	10/15/2024	2/25/2025	4/19/2025	8/13/2025	
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	
Unit:		Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
Constituent	**Unit**																	
Field Parameters																		
Conductivity	mS/cm	3.36	4.1	3.07	2.616	3.66	3.524	4.17	4.07	4.21	3.4	3.89	4.42	4.2	5.22	3.03	3.86	
Dissolved Oxygen	mg/L	0.28	0.49	0.2	0.41	0.08	0.06	0.07	0.1	0.03	0.26	0.15	0.45	0.85	0.99	0.38	0.04	
Oxidation Reduction Potential	mV	89.4	-215.7	-185.2	-169.9	-135.7	-138.9	-137.4	-133.8	-166.8	-146.1	-140.3	-135.6	-158.6	104.7	-100.8	-154.8	
pH	su	7.11	7.06	7.33	7.35	7.13	7.45	7.29	7.21	7.11	7.25	7.26	7.13	7.15	7.11	7.15	7.18	
Temperature	deg c	12.8	12	11.2	9.6	10.2	11.7	12.1	14	15	10.3	11.4	15	13.4	10.7	10.3	15.4	
Turbidity	NTU	0.02	0.02	0.02	0.49	3.66	5.05	6.89	3.3	8.78	5.11	9.03	0.02	9.7	4.15	0.02	15.5	
Appendix III																		
Boron	mg/L	88	86	100	98	73	95	110 J+	99	110	100	110	110	110	170	170	120	
Calcium	mg/L	210	180	210	240	190	210	210	180	190	220	210	200	190	180	200	170	
Chloride	mg/L	150	140	67	140	150	140	140	130	140	140	140	160	150	150	150	160	
Fluoride	mg/L	9.2	10	4.5	9.4	8.7	9.2	10	9.7	9.7	9.5	10	10	11	16	13	12	
Sulfate (as SO4)	mg/L	0.86 J	2.2 J	< 0.41 U	1.1 J	< 0.41 U	< 0.41 U	< 0.41 U	0.93 JD	< 0.41 U	< 0.41 U	< 5.5 U	< 2.2 U	1.8 JD	< 2.2 U	< 2.2 U	1.3 JD	
Totalissolved Solids	mg/L	1700	1800	1900	1700	1700	1800	2100 J	1900	1600	1800	2000	2100	2000	2600	2000	2000	
Appendix IV																		
Antimony	mg/L	0.00015 J	0.00016 J	< 0.00025 U	0.00019 J	0.00063 J	< 0.00050 U	0.00024 J	0.00018 J	0.00029	< 0.00010 U	0.00024 J	0.00015 J	0.00019 J	0.00027	0.00026	0.00014 J	
Arsenic	mg/L	0.0082	0.0076	0.0086	0.0078	0.0083	0.012	0.0096 J+	0.0086	0.0074	0.00044 J	0.0075	0.0061	0.0066	0.0095	0.0059	0.0055	
Barium	mg/L	0.51	0.53	0.55	0.51	0.38	0.48	0.47	0.45	0.42	0.73	0.46	0.33	0.32	0.35	0.50	0.45	
Beryllium	mg/L	0.00028	0.00034	0.00042	0.00029	0.00015 J	0.00021 J	0.00032 J+	0.00043	0.00052	< 0.000052 U	0.00012 J	0.00019 J	0.00018 J	0.00022 J	0.00032	0.00016 J	
Cadmium	mg/L	< 0.000032 U	0.000046 J	< 0.00016 U	0.000041 J	< 0.00016 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	0.00049	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	0.000078 J	0.000078 J	< 0.000075 U	
Chromium, Total	mg/L	0.022	0.054	0.057	0.046	0.019	0.030	0.068	0.054	0.032	0.00038	0.039	0.047	0.033	0.063	0.068	0.033	
Cobalt	mg/L	0.0038	0.0060	0.0080	0.0066	0.0031	0.0039	0.0089 J+	0.0076	0.0063	0.00024 J	0.0061	0.0063	0.0055	0.0097	0.0095	0.0056	
Fluoride	mg/L	9.2	10	4.5	9.4	8.7	9.2	10	9.7	9.7	9.5	10	10	11	16	13	12	
Lead	mg/L	0.0010	0.0024	0.0030	0.0027	0.0018 J	0.0041	0.0039 J+	0.0017	0.002	< 0.00010 U	0.0056	0.0023 JD	0.0020 JD	0.006	0.0050	0.0012 JD	
Lithium	mg/L	1.2	1.5	1.5	1.6	0.87	1.2	1.7	1.4	1.2	1.4	1.5	1.3	1.3	2.3	2	1.5	
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.0000054	0.0000023	
Molybdenum	mg/L	0.0052	0.0062	0.011	0.011	0.0088	0.0064	0.0062 J+	0.0052	0.0051	0.0038	0.0052	0.0045	0.0048	0.016	0.013	0.0052	
Radium 226 and 228	pCi/L	< 2.18 U	< 2.8 U	3.35	1.56	< 0.686 U	1.67	1.67	2.45	1.16	1.95	2.24	< 1.21 U	1.33	--	< 1.1 U	1.87	
Radium-226	pCi/L	< 0.547 U	0.781	0.642	0.398	< 0.302 U	0.58	0.714	0.743	< 0.354 U	1.07	< 0.432 U	0.488	0.772	--	0.565	< 0.813 U	
Radium-228	pCi/L	< 2.18 UJ	< 2.8 UG	< 3.21 UG	< 1.24 UG	< 0.686 U	< 1.2 UJ	0.957	1.71 G	< 0.897 U	0.882	1.83 G	< 1.21 UG	< 1.1 UG	--	< 1.1 UG	1.35 G	
Selenium	mg/L	0.0010	0.0012	0.0012	0.00095	0.00050	0.0010	0.0014 J+	0.0012	0.0018	0.00056	0.0014	0.0014	0.0014	0.0023	0.0017	0.0012	
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	0.00062	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	
Total Suspended Solids	mg/L	67	58	58	56	100	90	20	16	6.1	59	40	53	6.0	8.0	70	18	
Michigan CCR Part 115																		
Copper	mg/L	0.00081	0.0018	0.0025	0.0020	0.0011	0.0014	0.0026 B	0.0018	0.0025	0.00023 J	0.0028	0.0020	0.0015	0.0044	0.0037	0.0010	
Iron	mg/L	23	22	24	30	27	27	24	20	18	31	25	22	19	21	28	22	
Nickel	mg/L	0.015	0.023	0.042	0.035	0.017	0.014	0.025	0.022	0.018	0.00093 J	0.025	0.018	0.018	0.053	0.042	0.023	
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	< 0.00025 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	
Vanadium	mg/L	0.0014	0.0036	0.0035	0.0032	0.0013	0.0026	0.0067	0.0049	0.0044	< 0.00062 U	0.0062	0.0057	0.0035	0.0049	0.0069	0.0027	
Zinc	mg/L	0.023	0.0030	0.0033	0.0022	0.025	0.0019	0.0027	0.0041	0.0036	0.0020	0.0033	0.0024	0.020	0.036	0.0036	0.0016	
Additional Parameters																		
Bicarbonate Alkalinity	mg/L	1900	2000	1900	1800	1800	1900	460	2100	2300	1800	2000	2200	2200	2700	2100	2300	
Carbonate Alkalinity	mg/L	< 1.6 U	< 1.6 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.39 U	
Magnesium	mg/L	63	59	70	78	68	71	62	58	57	77	68	63	60	56	75	60	
Potassium	mg/L	50	44	53	45	41	44	56 J	46	47	50	53	48	48	70	61	49	
Sodium	mg/L	250	250	260	260	220	280	320	310	310	280	300	320	310	470	410	320	
Total Alkalinity	mg/L	1900	2000	1900	1800	1800	1900	460	2100	2300	1800	2000	2200	2200	2700	2100	2300	

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-02	MW-02
Compliance Phase:		AM	AM
Sample Date:		10/22/2025	2/17/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B	Unit 3A/B
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	4.08	5.49
Dissolved Oxygen	mg/L	0.08	0.07
Oxidation Reduction Potential	mV	-159.6	-163.3
pH	su	7.2	7.28
Temperature	deg c	13.3	10.8
Turbidity	NTU	9.1	1.9
Appendix III			
Boron	mg/L	59	190
Calcium	mg/L	190	170
Chloride	mg/L	150	150
Fluoride	mg/L	13	15
Sulfate (as SO4)	mg/L	1.9 JD	1.6 JD
Totalissolved Solids	mg/L	2200	2500
Appendix IV			
Antimony	mg/L	0.00022 J	0.00044
Arsenic	mg/L	0.0065	0.010
Barium	mg/L	0.52	0.52
Beryllium	mg/L	0.00026	0.00028
Cadmium	mg/L	< 0.000075 U	0.000093 J
Chromium, Total	mg/L	0.045	0.066
Cobalt	mg/L	0.0085	0.012
Fluoride	mg/L	13	15
Lead	mg/L	0.0023	0.0051
Lithium	mg/L	1.5	2.5
Mercury	mg/L	0.0000016	0.0000032
Molybdenum	mg/L	0.0072	0.029
Radium 226 and 228	pCi/L	2.35	< 2.69 U
Radium-226	pCi/L	0.732	1.03
Radium-228	pCi/L	< 1.94 UG	< 2.69 UG
Selenium	mg/L	0.0018	0.0022
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	6.3	< 4.1 U
Michigan CCR Part 115			
Copper	mg/L	0.0023	0.0047
Iron	mg/L	18	21
Nickel	mg/L	0.034	0.074
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.0050	0.0055
Zinc	mg/L	0.0027	0.044
Additional Parameters			
Bicarbonate Alkalinity	mg/L	2400	2900
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	55	56
Potassium	mg/L	50	72
Sodium	mg/L	360	470
Total Alkalinity	mg/L	2400	2900

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/28/2022	1/4/2023	2/7/2023	3/14/2023	4/18/2023	5/23/2023	6/28/2023	8/7/2023	10/24/2023	2/14/2024	4/7/2024	7/18/2024	10/15/2024	2/26/2025	4/21/2025	8/13/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	0.344	3.52	3.43	2.459	3.15	3.08	3.19	3.19	3.03	2.98	2.81	2.87	2.69	2.7	2.6	2.37
Dissolved Oxygen	mg/L	0.16	0.26	0.2	0.21	0.03	0.01	0.05	0.09	0.06	0.2	0.02	0.02	0.31	0.09	0.12	0.14
Oxidation Reduction Potential	mV	-180	-139.7	-212.9	-184.2	-92.8	-194.3	-129.6	-110.7	-116.1	-194.1	-220.8	-30.3	-106.1	-49.8	-178.7	-215
pH	su	7.31	7.32	7.2	7.45	7.26	7.59	7.44	7.31	7.28	7.44	7.46	7.3	7.38	7.33	7.4	7.38
Temperature	deg c	13.3	11.4	9.2	7.3	9.3	11.8	12.5	14.9	14.9	9.6	10.1	15	14	9.3	9.1	16.4
Turbidity	NTU	0.02	0.68	2.4	0.02	1.4	0.02	0.02	0.21	0.26	2.12	0.02	0.02	0.31	0.02	0.02	0.33
Appendix III																	
Boron	mg/L	4.4	3.3	4.2	4.3	3.9	4.1	4.3 J+	4.1	4.3	4.5	3.9	3.9	4.4	3.7	4.5	4.1
Calcium	mg/L	390	290	400	410	360	400	430	350	380	360	350	340	330	320	340	360
Chloride	mg/L	300	190	240	190	150	140	160	170	180	140	99	120	120	110	94	110
Fluoride	mg/L	0.65	1.6	0.62	0.52	0.60	0.54	0.54	0.61	0.6	0.61	0.6	0.62	0.62	0.65	0.7	0.83
Sulfate (as SO4)	mg/L	42	460	230	550	760	690	510	480	380	310	360	310	170	34	240	130
Totalissolved Solids	mg/L	2200 J-	1700	2300	2300	2300	2300	2300	2300	2200	2000	1900	1900	1800	1700	1700	1800
Appendix IV																	
Antimony	mg/L	0.000087 J	0.000092 J	< 0.00025 U	0.00011 J	0.00045 J	< 0.00050 U	< 0.00050 U	< 0.00010 U	< 0.0001 U	< 0.00050 U	0.00016 J	< 0.00010 U	< 0.00010 U	0.00013 J	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.00084	0.0011	0.0012 J	0.0011	0.00050 J	0.00049 J	0.00091 J+	0.00076	0.0011	0.00097	0.0014	0.00077	0.00087	0.0011	0.0013	0.00071
Barium	mg/L	0.43	0.13	0.50	0.30	0.34	0.43	0.38	0.38	0.41	0.42	0.36	0.27	0.27	0.33	0.37	0.37
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.00026 U	0.000053 J	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	0.00015 J	0.000057 J	0.00018 J	0.000054 J	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	0.000074 J
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	< 0.00016 U	< 0.000032 U	< 0.00016 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	0.00011 J	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.0046	0.0061	0.0049	0.0073	0.0033	0.0037	0.0060	0.0053	0.003	0.0037	0.0052	0.0045	0.0034 J-	0.0034	0.0050	0.0040
Cobalt	mg/L	0.00088	0.00044 J	0.00081 J	0.00097	0.00044 J	0.00050 J	0.0012 J+	0.0011	0.0013	0.00037 J	0.0013	0.00059	0.00061 J-	0.00059	0.00056	0.00070
Fluoride	mg/L	0.65	1.6	0.62	0.52	0.60	0.54	0.54	0.61	0.6	0.61	0.6	0.62	0.62	0.65	0.7	0.83
Lead	mg/L	< 0.00022 U	< 0.00022 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00050 U	< 0.00050 UJ	< 0.00050 U	0.00022 J	< 0.00050 U	< 0.00010 U	< 0.00050 U	< 0.00050 U	< 0.00010 U	< 0.00010 U	< 0.00010 U
Lithium	mg/L	0.044	0.065	0.039	0.045	0.037	0.035	0.050	0.041	0.035	0.033	0.029	0.031	0.035	0.031	0.03	0.033
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.00024	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.00000077	0.00000039 J
Molybdenum	mg/L	< 0.00062 U	0.00072 J	< 0.0031 U	< 0.00062 U	< 0.0031 U	< 0.00025 U	< 0.00025 UJ	< 0.00025 U	0.00085 J	< 0.00025 U	0.0011 J	< 0.00025 U	0.00039 J	< 0.00025 U	< 0.00025 U	< 0.00025 U
Radium 226 and 228	pCi/L	1.92	< 1.32 U	0.75	1.76	0.81	1.38	1.26	0.996	1.34	1.48	1.5	0.786	1.7 J-	0.92	--	1.34
Radium-226	pCi/L	0.583	0.526	0.242	< 0.217 U	0.268	0.574	< 0.209 U	0.417	< 0.312 U	0.466	< 0.288 U	0.22	0.348	< 0.16 U	--	0.758
Radium-228	pCi/L	1.34	< 1.32 UG	< 0.67 U	1.55	< 0.767 U	< 1.15 UJ	1.18	< 0.763 U	1.08	1.02	1.42 G	< 0.609 U	1.36 J-	0.77	--	< 0.825 U
Selenium	mg/L	0.00042 J	< 0.00022 U	< 0.0011 U	0.00040 J	< 0.00022 U	0.00017 J	0.00042 J+	0.00034 J	0.00053	0.00062	0.00049 J	0.00038 J	0.00051	0.00040 J	0.00041 J	0.00036 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.00038 U	< 0.00038 U	< 0.00038 UJ	< 0.00038 U	0.00018 J	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	4.0	15	4.0	1.0 J	< 4.0 U	< 4.0 U	< 4.0 U	3.0 JD	< 4 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
Michigan CCR Part 115																	
Copper	mg/L	< 0.00020 U	< 0.00020 U	< 0.0010 U	< 0.00020 U	< 0.00020 U	0.00025	0.00030 B	0.00024 J	0.00091	0.00025	0.0010	0.00030	0.00086 J+	< 0.00020 U	< 0.00020 U	0.00022 J
Iron	mg/L	3.7	5.9	2.5	1.6	2.0	0.78	0.31	0.28	0.43	1.4	0.48	0.27	0.12	0.63	1.2	0.098
Nickel	mg/L	0.0016	0.015	< 0.0032 U	0.0018	0.00085 J	0.00087 J	0.0016	0.0015	0.0017	0.00094 J	0.0022	0.0011 J	0.0012 J-	0.0012	0.0014	0.0013
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	< 0.00025 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.0031 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.0012	< 0.00062 U	0.0022	0.0018	0.0015 J-	0.0012	0.0014	0.0015
Zinc	mg/L	0.019	< 0.0012 U	< 0.0059 U	< 0.0012 U	0.018	< 0.0012 U	0.0019	< 0.0012 U	0.002	< 0.0012 U	0.0013	< 0.0012 U	0.013	< 0.0012 U	< 0.0012 U	0.018
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	1800	690	1600	1200	1100	1100	1300	1300	1400	1300	1200	1300	1400	1500	1300	1500
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.31 U	70	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U
Magnesium	mg/L	210	91	220	220	210	220	210	200	200	210	200	190	180	190	200	180
Potassium	mg/L	20	18	20	15	20	17	20	18	18	19	16	17	17	18	17	18
Sodium	mg/L	130	74	120	110	100	110	100	110	100	110	90	89	89	88	92	85
Total Alkalinity	mg/L	1800	690	1600	1200	1100	1100	1300	1300	1400	1300	1200	1300	1400	1500	1300	1500

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-03	MW-03
Compliance Phase:		AM	AM
Sample Date:		10/22/2025	2/19/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B	Unit 3A/B
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	2.96	2.59
Dissolved Oxygen	mg/L	0.25	0.46
Oxidation Reduction Potential	mV	-195.7	-158.3
pH	su	7.28	7.33
Temperature	deg c	14.3	9.8
Turbidity	NTU	0.02	1.92
Appendix III			
Boron	mg/L	4.0	3.7 B
Calcium	mg/L	350	310
Chloride	mg/L	130	99
Fluoride	mg/L	0.87	0.76
Sulfate (as SO4)	mg/L	55	29
Totalissolved Solids	mg/L	1700	1600
Appendix IV			
Antimony	mg/L	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.00058	0.00066
Barium	mg/L	0.40	0.33
Beryllium	mg/L	< 0.000052 U	0.000072 J
Cadmium	mg/L	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.0035	0.0031
Cobalt	mg/L	0.00070	0.00053
Fluoride	mg/L	0.87	0.76
Lead	mg/L	< 0.00010 U	< 0.00010 U
Lithium	mg/L	0.030	0.030
Mercury	mg/L	< 0.00000016 U	0.00000044 J
Molybdenum	mg/L	< 0.00025 U	0.00067 J
Radium 226 and 228	pCi/L	< 1.32 U	< 1.35 U
Radium-226	pCi/L	< 0.426 U	0.256
Radium-228	pCi/L	< 1.32 UG	< 1.35 UG
Selenium	mg/L	0.00034 J	0.00035 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	< 4.1 U	< 4.2 U
Michigan CCR Part 115			
Copper	mg/L	< 0.00020 U	< 0.00020 U
Iron	mg/L	0.16	0.92
Nickel	mg/L	0.0012	0.0013
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.0014	0.0012
Zinc	mg/L	0.00059 J	0.025
Additional Parameters			
Bicarbonate Alkalinity	mg/L	1500	1500
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	170	160
Potassium	mg/L	17	16
Sodium	mg/L	87	78
Total Alkalinity	mg/L	1500	1500

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/28/2022	1/4/2023	2/7/2023	3/14/2023	4/19/2023	5/23/2023	6/28/2023	8/7/2023	10/24/2023	2/14/2024	4/7/2024	7/18/2024	10/15/2024	2/26/2025	4/21/2025	8/11/2025	
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	
Unit:		Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
Constituent	**Unit**																	
Field Parameters																		
Conductivity	mS/cm	0.237	2.47	2.56	2.044	2.81	2.82	2.81	2.74	2.52	2.55	2.78	2.79	2.44	2.39	2.33	2.60	
Dissolved Oxygen	mg/L	0.15	0.1	0.07	0.79	0.15	0.06	0.05	0.16	0.14	0.3	0.06	0.05	0.07	0.09	0.16	0.25	
Oxidation Reduction Potential	mV	-137.4	-113.2	-175.9	-126.6	43.2	-91.9	-113.3	-130.1	-133.3	-96.7	-170.1	-82.9	-143.4	-40.9	-123.3	-75.5	
pH	su	7.34	7.39	7.23	7.45	7.35	7.66	7.43	7.34	7.26	7.4	7.43	7.25	7.26	7.22	7.39	7.24	
Temperature	deg c	13.1	10.5	8.7	6.5	7.2	10.5	13.1	16.4	16.1	8	8.8	16.1	16.7	8.4	8.1	17.6	
Turbidity	NTU	1.95	0.02	0.02	0.02	0.02	0.02	0.28	2.98	1.42	1.83	0.38	0.02	0.21	0.02	0.02	0.02	
Appendix III																		
Boron	mg/L	4.0	3.9	3.8	3.8	3.5	4.3	4.1 J+	4.0	4.7J	4.1	4.2	4.4	4.7 J-	3.7	3.7	4.0	
Calcium	mg/L	310	360	350	390	340	400	410	330	360	350	430	380	340 J-	360	250	370	
Chloride	mg/L	180	300	200	220	220	200	190	160	150	130	120	120	96	90	21	91	
Fluoride	mg/L	1.2	0.76	1.3	1.4	1.3	1.3	1.2	1.4	1.9	1.4	1.3	1.4	1.5	1.1	2.3	1.6	
Sulfate (as SO4)	mg/L	410	1.8 J	530	580	700	690	610	610	630	640	810	810	590	660	360	760	
Totalissolved Solids	mg/L	1700	2100	1700	1800	1900	2100	2000	1900	1800	1800	2100	2100	1700	1800	1200	2100	
Appendix IV																		
Antimony	mg/L	0.000071 J	< 0.000050 U	< 0.00025 U	< 0.000050 U	0.00041 J	< 0.00050 U	< 0.00050 U	0.00012 J+	< 0.0001 U	< 0.00050 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	0.00014 J	0.00046	< 0.00010 U	
Arsenic	mg/L	0.0012	0.00078	0.0012	0.0012	0.00060	0.00047 J	0.00092 J+	0.00088	0.001	0.00058	0.0012	0.00086	0.00088	0.0028	0.0014	0.0010	
Barium	mg/L	0.11	0.46	0.13	0.12	0.10	0.12	0.15	0.12	0.12	0.11	0.12	0.084	0.085	0.16	0.025	0.15 J+	
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.000066 J	0.000054 J	< 0.000052 U	< 0.000052 U	< 0.000052 U	
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	< 0.00016 U	< 0.000032 U	< 0.00016 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	
Chromium, Total	mg/L	0.0027	0.0060	0.0047	0.0049	0.0026	0.0031	0.0046	0.0044	0.0027	0.0026	0.0041	0.0047	0.0051	0.0028	0.0010	0.0038	
Cobalt	mg/L	0.00035 J	0.00093	0.00062	0.00065	0.00031 J	0.00036 J	0.00074 J+	0.00062	0.00045 J	0.00018 J	0.00034 J	0.00024 J	0.00032 J	0.00035 J	0.00011 J	0.00030 J	
Fluoride	mg/L	1.2	0.76	1.3	1.4	1.3	1.3	1.2	1.4	1.9	1.4	1.3	1.4	1.5	1.1	2.3	1.6	
Lead	mg/L	< 0.00022 U	< 0.00022 U	< 0.0011 U	< 0.00022 U	< 0.0011 U	< 0.00050 U	< 0.00050 UJ	< 0.00010 U	< 0.0001 U	< 0.00050 U	< 0.00010 U	< 0.00050 U	< 0.00050 UJ	< 0.00010 U	0.00026 J	< 0.00050 U	
Lithium	mg/L	0.067	0.047	0.061	0.074	0.054	0.061	0.074	0.074	0.066	0.048	0.062	0.068	0.074	0.031	0.055	0.060	
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 UJ	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.0000029	0.00000021 J	
Molybdenum	mg/L	0.0013	< 0.00062 U	0.00074 J	0.00086 J	< 0.0031 U	0.00041 J	0.00044 J+	0.0012	0.0015	0.00037 J	0.00097 J	0.0014	0.0015	0.0023	0.011	0.0011 J	
Radium 226 and 228	pCi/L	1.43	1.08	1.55	1.23	< 0.752 U	1.49	1.2	1.29	1.2	< 0.868 U	1.11 J-	< 0.691 U	0.796	< 0.56 U	< 0.614 U	1.75	
Radium-226	pCi/L	< 0.206 U	0.159	0.175	< 0.198 U	< 0.189 U	< 0.214 U	0.232	0.152 J-	0.275	< 0.155 U	0.176 J-	0.243	< 0.235 U	0.37	< 0.457 U	< 0.482 U	
Radium-228	pCi/L	1.28	0.916	1.38	1.16	< 0.752 U	1.33 J	0.963	1.14	0.924	< 0.868 U	0.936 J-	< 0.691 U	0.693	< 0.56 U	< 0.614 U	1.3 G	
Selenium	mg/L	< 0.00022 U	0.00041 J	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00010 U	0.00017 J+	0.00021 J+	0.00024 J	0.00043 J	0.00021 J	0.00023 J	0.00031 J	0.00019 J	0.0012	0.00019 J	
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.00038 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.00038 U	
Total Suspended Solids	mg/L	10	8.0	11	10	11	12	8.1	< 4.0 UJ	8	< 4.0 U	15	5.0	4.0	8.0	< 4.0 U	9.0	
Michigan CCR Part 115																		
Copper	mg/L	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	0.00027	< 0.00020 U	0.00032	< 0.00020 U	< 0.00020 U	< 0.00020 U	0.00099	< 0.00020 U	
Iron	mg/L	4.7	6.3	5.6	6.3	6.1	6.8	6.8	5.0	5.6	5.5	6.8	5.7	4.8	0.62	0.19	5.1	
Nickel	mg/L	0.012	0.0019	0.018	0.019	0.011	0.013	0.022	0.019	0.013	0.010	0.016	0.018	0.019	0.012	0.0028	0.013	
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	< 0.00025 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00097 J	0.0011 J	0.0012	0.00075 J	0.0011 J	0.00084 J	
Zinc	mg/L	0.0044	< 0.0012 U	< 0.0012 U	< 0.0012 U	0.0059	< 0.0012 U	< 0.0012 U	< 0.0012 UJ	0.0015	< 0.0012 U	< 0.0012 U	< 0.0012 U	0.0051	< 0.0012 U	0.0025	0.0015	
Additional Parameters																		
Bicarbonate Alkalinity	mg/L	800	1800	720	690	720	740	730	750	780	680	700	710	740	760	91	800	
Carbonate Alkalinity	mg/L	< 0.16 U	< 1.6 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	
Magnesium	mg/L	96	200	110	120	120	140	130	120	120	120	140	130	110	120	36	120	
Potassium	mg/L	21	20	20	18	21	24	26	23	24	21	23	24	23 J-	18	7.9	22	
Sodium	mg/L	83	110	84	83	89	100	93	87	83	80	90	84	74	65	23	68	
Total Alkalinity	mg/L	800	1800	720	690	720	740	730	750	780	680	700	710	740	760	91	800	

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-04	MW-04
Compliance Phase:		AM	AM
Sample Date:		10/22/2025	2/19/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B	Unit 3A/B
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	2.67	1.48
Dissolved Oxygen	mg/L	0.19	0.31
Oxidation Reduction Potential	mV	-123.3	-109.4
pH	su	6.78	7.06
Temperature	deg c	15.8	8.3
Turbidity	NTU	0.02	2.66
Appendix III			
Boron	mg/L	2.6	0.68 B
Calcium	mg/L	560	310
Chloride	mg/L	45	11
Fluoride	mg/L	1.4	2.1
Sulfate (as SO4)	mg/L	1100	480
Totalissolved Solids	mg/L	2200	1100
Appendix IV			
Antimony	mg/L	0.00042	< 0.00010 U
Arsenic	mg/L	0.0013	0.0059
Barium	mg/L	0.12	0.091
Beryllium	mg/L	< 0.000052 U	0.000093 J
Cadmium	mg/L	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.0021	0.00074
Cobalt	mg/L	0.0025	0.0018
Fluoride	mg/L	1.4	2.1
Lead	mg/L	0.00016 J	0.00042 J
Lithium	mg/L	0.055	0.033
Mercury	mg/L	0.00000076	0.00000043 J
Molybdenum	mg/L	0.0099	0.013
Radium 226 and 228	pCi/L	< 1.29 U	0.734
Radium-226	pCi/L	< 0.427 U	< 0.128 U
Radium-228	pCi/L	< 1.29 UG	< 0.674 U
Selenium	mg/L	0.00035 J	0.00016 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	8.2	14
Michigan CCR Part 115			
Copper	mg/L	0.0011	0.00079
Iron	mg/L	3.5	6.6
Nickel	mg/L	0.014	0.0084
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00071 J	0.00053 J
Zinc	mg/L	0.0051	0.013
Additional Parameters			
Bicarbonate Alkalinity	mg/L	620	410
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	78	35
Potassium	mg/L	12	3.4
Sodium	mg/L	35	13
Total Alkalinity	mg/L	620	410

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-04R	MW-04R
Compliance Phase:		Development	AM
Sample Date:		12/22/2025	2/19/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B	Unit 3A/B
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**	Result	
Field Parameters			
Conductivity	mS/cm	1.605	2.07
Dissolved Oxygen	mg/L	1.38	0.23
Oxidation Reduction Potential	mV	-78.5	-136
pH	su	7.19	7.26
Temperature	deg c	12	11.8
Turbidity	NTU	0.02	8.67
Appendix III			
Boron	mg/L	3.7	3.5 B
Calcium	mg/L	320	320
Chloride	mg/L	120	110
Fluoride	mg/L	1.4	1.3
Sulfate (as SO4)	mg/L	31	57
Totalissolved Solids	mg/L	1300	1200
Appendix IV			
Antimony	mg/L	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.0019	0.0011
Barium	mg/L	0.23	0.25
Beryllium	mg/L	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.0017	0.0012
Cobalt	mg/L	0.0011	0.00072
Fluoride	mg/L	1.4	1.3
Lead	mg/L	0.00013 J	0.00022 J
Lithium	mg/L	0.037	0.038
Mercury	mg/L	0.00000076	0.00000084
Molybdenum	mg/L	0.00063 J	0.00048 J
Radium 226 and 228	pCi/L	1.61	< 1.59 U
Radium-226	pCi/L	0.656	0.807
Radium-228	pCi/L	0.95	< 1.59 UG
Selenium	mg/L	0.0013	0.00016 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	< 4.0 U	< 4.3 U
Michigan CCR Part 115			
Copper	mg/L	--	< 0.00020 U
Iron	mg/L	3.7	3.6
Nickel	mg/L	0.0036	0.0026
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00089 J	0.00054 J
Zinc	mg/L	0.020	0.022
Additional Parameters			
Bicarbonate Alkalinity	mg/L	--	1000
Carbonate Alkalinity	mg/L	--	< 0.16 U
Magnesium	mg/L	--	69
Potassium	mg/L	--	14
Sodium	mg/L	--	65
Total Alkalinity	mg/L	--	1000

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/29/2022	1/3/2023	2/6/2023	3/14/2023	4/18/2023	5/23/2023	6/28/2023	8/8/2023	10/24/2023	2/13/2024	4/7/2024	7/18/2024	10/16/2024	2/26/2025	4/20/2025	8/14/2025	
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	
Unit:		Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
Constituent	**Unit**																	
Field Parameters																		
Conductivity	mS/cm	1.78	2.13	2.16	1.973	2	2.05	2.04	2	2.02	1.63	1.92	1.91	1.9	1.93	1.88	2.07	
Dissolved Oxygen	mg/L	0.1	0.6	0.07	0.14	0.35	0.08	0.24	0.38	0.24	0.15	0.07	0.01	0.05	0.28	0.13	0.12	
Oxidation Reduction Potential	mV	38.1	-139	-193.2	-148.9	-173.5	-184.3	-182.7	-80.3	-176.8	145.9	-139.9	-234.1	-171.6	88.1	-193.1	70.2	
pH	su	7.33	7.26	6.42	7.21	7.28	7.36	7.27	7.17	7.26	7.2	7.18	7.39	7.29	7.49	7.38	7.4	
Temperature	deg c	13.9	10.9	7.6	8.1	8.4	11.2	13.4	16.8	16.6	8.8	9.5	16	17.5	8.2	9.4	16.6	
Turbidity	NTU	0.02	1.13	2.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.07	1.4	8.36	0.54	1.93	
Appendix III																		
Boron	mg/L	12	9.5	10	9.5	7.5	8.6	9.7 J+	9.9	11	7.3	6.4	8.3	11	9.8	6.9	11	
Calcium	mg/L	220	230	250	310	250	270	290	230	240	280	310	250	220	200	210	230	
Chloride	mg/L	160	120	110	82	57	73	71	76	79	18	13	31	57	59	29	57	
Fluoride	mg/L	1.3	1.4	1.1	1.0	1.1	1.0	1.1	1.4	1.2	0.98	1.1	0.99	1.6	1.2	1.2	1.5	
Sulfate (as SO4)	mg/L	16	9.6	20	7.3	9.4	20	16	0.98 JD	< 0.41 U	1.5 JD	9.2	< 2.2 U	2.9 JD	30	15	5.1 JD	
Totalissolved Solids	mg/L	1300	1200	1300	1200	1200	1200	1300	1200	1100	1100	1200	1200	1100	1200	1200	1200	
Appendix IV																		
Antimony	mg/L	0.000075 J	< 0.000050 U	< 0.00025 U	< 0.000050 U	0.00036 J	< 0.00050 U	< 0.00010 U	< 0.00010 U	< 0.0001 U	< 0.00050 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	
Arsenic	mg/L	0.00080	0.00065	0.00058	0.00054 J	0.00047 J	0.00065	0.00062 J+	0.00082	0.001	0.00057	0.00068	0.00098	0.00082	0.00051 J	0.00051 J	0.00056	
Barium	mg/L	1.5	1.5	1.6	1.4	0.99	1.3	1.4	1.4	1.5	1.4	1.3	1.7	1.6	1.3	1.4	1.5	
Beryllium	mg/L	< 0.000054 U	< 0.000052 U	0.000052 J	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	< 0.00016 U	< 0.000032 U	< 0.00016 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	
Chromium, Total	mg/L	0.0015	0.0021	0.0021	0.0030	0.0014	0.0012	0.0020	0.0023	0.0015	0.0012	0.0011	0.0014	0.0013	0.0011	0.00095	0.0014	
Cobalt	mg/L	0.00048 J	0.00057	0.00067	0.00073	0.00050 J	0.00046 J	0.00080 J+	0.00067	0.00047 J	0.00035 J	0.00042 J	0.00037 J	0.00042 J	0.00039 J	0.00033 J	0.00045 J	
Fluoride	mg/L	1.3	1.4	1.1	1.0	1.1	1.0	1.1	1.4	1.2	0.98	1.1	0.99	1.6	1.2	1.2	1.5	
Lead	mg/L	0.00035 J	0.00025 J	< 0.0011 U	< 0.00022 U	< 0.0011 U	< 0.00050 U	0.00027 J+	< 0.00010 U	< 0.0001 U	< 0.00050 U	< 0.00010 U	< 0.00010 U	0.00012 J	0.00018 J	< 0.00010 U	0.00023 J	
Lithium	mg/L	0.23	0.22	0.20	0.23	0.15	0.15	0.19	0.22	0.19	0.13	0.11	0.14	0.17	0.17	0.12	0.19	
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.00000070	0.00000053	
Molybdenum	mg/L	< 0.00064 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.0031 U	0.00026 J	0.00027 J+	< 0.00025 U	0.00025 J	< 0.00025 U	< 0.00025 U	0.00028 J	0.00043 J	0.00056 J	< 0.00025 U	< 0.00025 U	
Radium 226 and 228	pCi/L	0.864	0.637	< 0.715 U	1.91	< 0.646 U	0.92	0.824	0.938	1.58	0.965	2.23	< 0.619 U	2.87	1.02	2.13	1.47	
Radium-226	pCi/L	0.419	0.238	0.24	< 0.212 U	0.402	0.259	0.331	0.465	0.432	0.358	0.383	0.288	0.36	< 0.28 U	< 0.326 U	< 0.412 U	
Radium-228	pCi/L	< 0.449 U	< 0.631 U	< 0.715 U	1.7	< 0.646 U	< 0.772 U	< 0.606 U	< 0.735 U	1.15	< 0.85 U	1.85	< 0.619 U	2.51	0.77	1.8 G	1.09	
Selenium	mg/L	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	0.00020 J	0.00022 J+	0.00019 J	0.0002 J	0.00047 J	0.00023 J	0.00020 J	0.00029 J	0.00022 J	0.00016 J	0.00022 J	
Thallium	mg/L	< 0.000076 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	
Total Suspended Solids	mg/L	36	45	42	65	53	43	41	37	48	73	54	27	34	12	42	13	
Michigan CCR Part 115																		
Copper	mg/L	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.0002 U	0.00028	< 0.00020 U	0.00038	0.00025	< 0.00020 U	< 0.00020 U	0.00029	
Iron	mg/L	15	17	16	26	19	18	18	14	19	31	26	17	12	4.6	14	6.2	
Nickel	mg/L	0.0011 J	0.0011 J	0.0012	0.00092 J	< 0.00065 U	< 0.00065 U	0.0010 J	0.00090 J	0.00079 J	< 0.00065 U	< 0.00065 U	< 0.00065 U	0.00095 J	0.00091 J	< 0.00065 U	0.00083 J	
Silver	mg/L	< 0.000051 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	< 0.00025 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	
Vanadium	mg/L	< 0.00064 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00064 J	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00070 J	
Zinc	mg/L	0.060	0.0019	0.0018	0.0012	0.094	< 0.0012 U	0.0018	0.0013	0.0018	< 0.0012 U	0.0012	0.0013	0.058	0.0014	0.0017	0.081	
Additional Parameters																		
Bicarbonate Alkalinity	mg/L	1100	1100	1000	1100	1100	990	1100	1100	1000	980	1100	1100	1000	1100	1100	1100	
Carbonate Alkalinity	mg/L	< 1.6 U	< 1.6 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	
Magnesium	mg/L	110	95	100	96	90	100	100	90	89	81	78	81	97	110	80	90	
Potassium	mg/L	32	24	23	20	20	23	26	24	26	20	18	22	25	25	19	26	
Sodium	mg/L	110	78	84	69	63	82	87	77	71	49	49	64	88	100	73	85	
Total Alkalinity	mg/L	1100	1100	1000	1100	1100	990	1100	1100	1000	980	1100	1100	1000	1100	1100	1100	

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-06	MW-06
Compliance Phase:		AM	AM
Sample Date:		10/23/2025	2/17/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	2.19	1.91
Dissolved Oxygen	mg/L	0.16	0.3
Oxidation Reduction Potential	mV	-148.9	-154.7
pH	su	7.26	7.36
Temperature	deg c	16.4	9.7
Turbidity	NTU	1.27	0.02
Appendix III			
Boron	mg/L	12	9.7
Calcium	mg/L	210	210
Chloride	mg/L	80	35
Fluoride	mg/L	1.5	1.3
Sulfate (as SO4)	mg/L	11	3.3 JD
Totalissolved Solids	mg/L	1200	980
Appendix IV			
Antimony	mg/L	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.00099	0.00037 J
Barium	mg/L	1.4	1.4
Beryllium	mg/L	< 0.000052 U	0.000057 J
Cadmium	mg/L	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.0016	0.0011
Cobalt	mg/L	0.00043 J	0.00036 J
Fluoride	mg/L	1.5	1.3
Lead	mg/L	0.00018 J	0.00011 J
Lithium	mg/L	0.18	0.16
Mercury	mg/L	0.00000087	0.00000049 J
Molybdenum	mg/L	0.00030 J	0.00025 J
Radium 226 and 228	pCi/L	2.31	1.28
Radium-226	pCi/L	< 0.434 U	0.196
Radium-228	pCi/L	1.91 G	1.09
Selenium	mg/L	0.00023 J	0.00021 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	8.2	31
Michigan CCR Part 115			
Copper	mg/L	< 0.00020 U	0.00035
Iron	mg/L	7.5	11
Nickel	mg/L	0.0011 J	0.00075 J
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00054 J	0.00046 J
Zinc	mg/L	0.0020	0.083
Additional Parameters			
Bicarbonate Alkalinity	mg/L	1100	1100
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	100	100
Potassium	mg/L	26	23
Sodium	mg/L	88	78
Total Alkalinity	mg/L	1100	1100

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/30/2022	1/4/2023	2/7/2023	3/13/2023	4/18/2023	5/23/2023	6/27/2023	8/7/2023	10/24/2023	2/13/2024	4/8/2024	7/17/2024	10/15/2024	2/26/2025	4/21/2025	8/13/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	0.46	1.21	1.206	1.209	1.25	1.24	1.25	1.25	1.23	1.25	1.27	1.29	1.24	1.25	0.899	1.10
Dissolved Oxygen	mg/L	0.12	0.3	0.08	0.21	0.03	0.23	0.43	0.72	0.22	0.2	0.26	0.04	0.36	0.01	0.33	0.35
Oxidation Reduction Potential	mV	57.2	-88	-103.1	-143.9	-68	-109.4	-140.5	-15.7	-141	-74.7	-60.1	-176.7	-134.1	-34.2	-56.9	-128.8
pH	su	6.88	7.04	6.93	6.58	6.86	6.93	6.88	6.65	6.88	7.02	7.05	6.95	6.87	6.84	6.87	6.91
Temperature	deg c	12.2	11	10	8.6	9.6	11.3	13	14.8	14.6	9.7	10.2	14.8	15	9.9	9.9	14.6
Turbidity	NTU	5.89	4.2	4.07	0.02	2.94	1.5	0.02	0.72	0.74	9.13	0.74	0.02	0.02	3.07	8.68	0.02
Appendix III																	
Boron	mg/L	13	11	12	11	10	12	11 J+	11	12	11	13	10	11	11	8.8	10
Calcium	mg/L	140	140	140	150	130	150	160	120	150	140	160	150	130	160	150	160
Chloride	mg/L	15	15	14	14	14	13	13	13	14	14	14	14	15	16	17	17
Fluoride	mg/L	0.14	0.070 J	0.12	< 0.055 U	0.14	0.11	0.080 JD	0.083 JD	0.14	0.068 JD	0.080 JD	0.19 JD	< 0.055 U	< 0.11 U	0.14	< 0.11 U
Sulfate (as SO4)	mg/L	29	30	33	20	17	15	18	19	26	32	36	15	34	37	20	28
Totalissolved Solids	mg/L	660	470	650	500	620	660	720	620	620	680	710	720	680	710	720	740
Appendix IV																	
Antimony	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	0.000071 J	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.0001 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.00023 J	0.00021 J	0.00023 J	0.00018 J	0.00013 J	0.00023 J	0.00020 J+	0.00020 J	0.00029 J	0.00021 J	0.00024 J	0.00023 J	0.00022 J	0.00018 J	0.00020 J	0.00016 J
Barium	mg/L	0.33	0.34	0.36	0.30	0.25	0.34	0.35	0.34	0.38	0.35	0.34	0.36	0.37	0.42	0.40	0.38
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	0.000062 J	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	0.000066 J	0.000055 J	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.00038	0.00030	0.00037	0.00042	0.00028	0.00029	0.00033	0.00032	0.00036	0.00032	0.00034	0.00074	0.00041	0.00028	0.00041	0.00031
Cobalt	mg/L	0.00071	0.00088	0.00099	0.00099	0.00087	0.00095	0.0011 J+	0.00098	0.00098	0.00074	0.00083	0.00080	0.0010	0.00086	0.0011	0.00097
Fluoride	mg/L	0.14	0.070 J	0.12	< 0.055 U	0.14	0.11	0.080 JD	0.083 JD	0.14	0.068 JD	0.080 JD	0.19 JD	< 0.055 U	< 0.11 U	0.14	< 0.11 U
Lead	mg/L	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00010 U	< 0.00010 UJ	< 0.00010 U	< 0.0001 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U
Lithium	mg/L	0.0054	0.0070	0.0052	0.0067	0.0083	0.0055	0.010	0.0042	0.0062	0.0031	0.0057	0.0057	0.0056	0.0054	0.0069	0.0066
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00000016 U	0.00000024 J
Molybdenum	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00025 U	< 0.00025 UJ	< 0.00025 U	< 0.00025 U	< 0.00025 U	< 0.00025 U	< 0.00025 U	< 0.00025 U	< 0.00025 U	< 0.00025 U	< 0.00025 U
Radium 226 and 228	pCi/L	1.12	1.26 J+	1.03	1.12	0.674	< 0.928 U	< 0.697 U	2.36	1.76	0.937	2.75	1.46	1.29	1.44	1.38	1.49
Radium-226	pCi/L	0.444	0.53	0.333	0.38	0.475	0.309	0.341	0.665	0.475	0.495	0.508	0.551	0.333	0.53	0.681	0.61
Radium-228	pCi/L	0.676	0.729 J+	0.693	< 0.835 U	< 0.559 U	< 0.928 U	< 0.697 U	1.7	1.28	< 0.789 U	2.25	< 0.965 U	0.959	0.91	< 0.778 U	< 1.05 UG
Selenium	mg/L	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	0.00010 J	< 0.00010 UJ	< 0.00010 U	< 0.0001 U	0.00023 J	< 0.00010 U	0.00011 J	0.00017 J	0.00013 J	0.00011 J	0.00012 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	44	36	35	33	33	39	39	41	38	29	32	46	43	44	57	47
Michigan CCR Part 115																	
Copper	mg/L	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	0.00027	< 0.00020 U	0.00024 J	0.00021 J	< 0.00020 U	0.00062	< 0.00020 U	< 0.00020 U
Iron	mg/L	16	13	13	15	14	19	17	14	18	15	15	17	17	19	21	19
Nickel	mg/L	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	0.00071 J	< 0.00065 U	< 0.00065 U	0.00016 J
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00079 J	0.00095 J	< 0.00062 U	0.00077 J	0.00075 J
Zinc	mg/L	0.016	< 0.0012 U	< 0.0012 U	< 0.0012 U	0.025	< 0.0012 U	< 0.0012 U	< 0.0012 U	0.0035	< 0.0012 U	< 0.0012 U	< 0.0012 U	0.016	0.0013	< 0.0012 U	0.022
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	660	580	630	610	640	630	620	620	600	610	630	640	620	650	680	670
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U
Magnesium	mg/L	37	37	37	38	38	40	36	35	38	38	40	36	35	39	39	37
Potassium	mg/L	5.4	5.4	5.2	5.7	4.8	4.4	4.7	5.1	4.9	4.7	4.7	4.5	4.1	4.5	4.6	4.5
Sodium	mg/L	53	47	47	47	59	57	56	48	51	52	57	55	47	44	44	44
Total Alkalinity	mg/L	660	580	630	610	640	630	620	620	600	610	630	640	620	650	680	670

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-07	MW-07
Compliance Phase:		AM	AM
Sample Date:		10/22/2025	2/19/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	1.08	1.44
Dissolved Oxygen	mg/L	0.12	0.11
Oxidation Reduction Potential	mV	-119.2	-78.8
pH	su	6.91	6.81
Temperature	deg c	14.2	10.3
Turbidity	NTU	5.47	0.02
Appendix III			
Boron	mg/L	12	12
Calcium	mg/L	160	170
Chloride	mg/L	16	17
Fluoride	mg/L	0.22	0.15 JD
Sulfate (as SO4)	mg/L	33	48
Totalissolved Solids	mg/L	670	720
Appendix IV			
Antimony	mg/L	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.00019 J	0.00010 J
Barium	mg/L	0.43	0.42
Beryllium	mg/L	0.000055 J	0.00012 J
Cadmium	mg/L	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.00034	0.00029
Cobalt	mg/L	0.00097	0.0010
Fluoride	mg/L	0.22	0.15 JD
Lead	mg/L	< 0.00010 U	< 0.00010 U
Lithium	mg/L	0.0053	0.0070
Mercury	mg/L	< 0.00000016 U	< 0.00000016 U
Molybdenum	mg/L	< 0.00025 U	< 0.00025 U
Radium 226 and 228	pCi/L	1.44	1.78
Radium-226	pCi/L	0.405	0.484
Radium-228	pCi/L	1.03 G	1.3
Selenium	mg/L	0.00012 J	0.00013 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	39	44
Michigan CCR Part 115			
Copper	mg/L	< 0.00020 U	< 0.00020 U
Iron	mg/L	16	19
Nickel	mg/L	0.00024 J	0.00020 J
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00084 J	0.00059 J
Zinc	mg/L	0.00075 J	0.033
Additional Parameters			
Bicarbonate Alkalinity	mg/L	630	640
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	39	42
Potassium	mg/L	4.5	4.9
Sodium	mg/L	46	45
Total Alkalinity	mg/L	630	640

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

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J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		12/1/2022	1/5/2023	2/7/2023	3/14/2023	4/18/2023	5/23/2023	6/27/2023	8/8/2023	10/24/2023	2/13/2024	4/7/2024	7/18/2024	10/16/2024	2/26/2025	4/20/2025	8/14/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	1.06	1.13	1.133	0.787	1.03	0.99	1.03	1.02	0.87	0.89	0.9	0.99	1.11	1.01	0.91	1.18
Dissolved Oxygen	mg/L	0.2	0.09	0.05	0.55	0.06	0.09	0.04	0.09	1.53	0.3	0.1	0.05	0.17	0.01	0.14	0.12
Oxidation Reduction Potential	mV	-159.3	-119.3	-133.9	-149.9	-121.2	-145.3	-103.6	-127.6	-180.6	-141.1	-164.6	-133.3	-138.6	-35.9	-125.6	-131.5
pH	su	7.17	6.21	7.16	7.51	7.25	7.33	7.24	7.26	7.27	7.34	7.41	7	7.15	7.23	7.28	7.13
Temperature	deg c	9.6	6.9	6.2	5.2	7.3	11.6	14	16.7	14.7	6.2	7.4	15.8	16.2	5	8.3	16.1
Turbidity	NTU	0.02	0.02	0.66	0.02	1.04	0.02	2.11	5.63	0.02	2.79	1.03	0.02	0.02	0.51	0.02	1.05
Appendix III																	
Boron	mg/L	2.5	4.4	9.3	7.1	6.6	7.0	7.8 J+	7.1	4.1	7	6.5	7.9	4.7	4.1	3.8	7.2
Calcium	mg/L	150	160	150	150	130	140	150	120	130	120	130	120	130	140	120	160
Chloride	mg/L	17	23	35	30	28	25	29	30	17	25	24	30	99	39	36	110
Fluoride	mg/L	0.40	0.56	1.1	1.3	1.1	0.92	1	1	0.55	1	1.2	1.1	0.93	0.61	0.9	0.94
Sulfate (as SO4)	mg/L	13	25	5.3	26	2.0 J	< 0.41 U	< 0.41 U	< 0.41 U	1.7 JD	5.6	7	< 2.2 U	21	48	65	32
Totalissolved Solids	mg/L	560	480	630	480	560	550	610	530	440	530	510	550	660	590	520	780
Appendix IV																	
Antimony	mg/L	0.000095 J	0.000054 J	0.00020 J	0.00016 J	0.00028	< 0.00010 U	0.00011 J	< 0.00010 U	< 0.0001 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	0.00011 J	0.00016 J	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.0069	0.021	0.049	0.045	0.050	0.041	0.038 J+	0.029	0.011	0.030	0.047	0.044	0.030	0.033	0.046	0.049
Barium	mg/L	1.2	1.3	1.5	1.4	1.1	1.2	1.4	1.2	0.98	1	1.1	1.3	1.3	0.94	0.75	1.4
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.00012 J	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	0.00011 J	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.00067	0.00093	0.0015	0.0011	0.00084	0.0011	0.00094	0.00087	0.00061	0.00070	0.00075	0.00071	0.00063	0.00065	0.00059	0.00043
Cobalt	mg/L	0.00034 J	0.00045 J	0.00070	0.00060	0.00051 J	0.00059	0.00062 J+	0.00058	0.00034 J	0.00034 J	0.00037 J	0.00037 J	0.00034 J	0.00098	0.00026 J	0.00076
Fluoride	mg/L	0.40	0.56	1.1	1.3	1.1	0.92	1	1	0.55	1	1.2	1.1	0.93	0.61	0.9	0.94
Lead	mg/L	< 0.00022 U	< 0.00022 U	0.00086	< 0.00022 U	0.00022 J	< 0.00010 U	< 0.00010 UJ	< 0.00010 U	< 0.0001 U	0.00011 J	< 0.00010 U	< 0.00010 U	0.0029	0.00022 J	0.00010 J+	< 0.00010 U
Lithium	mg/L	0.063	0.11	0.14	0.14	0.11	0.11	0.13	0.12	0.076	0.097	0.098	0.11	0.082	0.075	0.070	0.069
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 UJ	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00000016 U	0.00000065
Molybdenum	mg/L	0.0024	0.0018	0.0015	0.0028	0.00095 J	0.00068 J	0.00039 J+	0.00036 J	0.0016	0.0017	0.0020	0.00031 J	0.00095 J	0.0020	0.0029	< 0.00025 U
Radium 226 and 228	pCi/L	1.43	1.62 J+	< 0.836 U	1.13	1.18	1.14	< 0.606 U	2.1	0.891	< 0.848 U	1.86 J-	0.879	2.11	0.98	1.35	1.61
Radium-226	pCi/L	0.277	0.31	0.286	< 0.255 U	0.32	0.396	0.19	0.358	< 0.234 U	< 0.126 U	0.177 J-	0.232	0.367	0.32	0.263	0.521
Radium-228	pCi/L	1.16	1.31 J+	< 0.836 U	< 1 UG	0.858	< 0.835 U	< 0.606 U	1.74 G	< 0.744 U	< 0.848 U	1.68 J+	0.646	1.75	0.66	1.08	1.09
Selenium	mg/L	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	0.00016 J	0.00014 J+	0.00014 J	0.00015 J	0.00034 J	0.00012 J	0.00012 J	0.00018 J	0.00030 J	0.00014 J	< 0.00010 U
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	0.00013 J	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	62	55	49	42	36	31	30	20	43	46	36	18	31	44	45	18
Michigan CCR Part 115																	
Copper	mg/L	< 0.00020 U	< 0.00020 U	0.00043	< 0.00020 U	0.00045	0.00034	< 0.00020 U	< 0.00020 U	0.00021 J	0.00035	0.00025	0.00047	0.00064	0.00080	0.00028 J+	0.00029
Iron	mg/L	32	30	21	22	18	18	15	13	22	22	19	14	15	21	19	10
Nickel	mg/L	0.00093 J	0.0013	0.0015	0.0013	0.0011 J	0.0011 J	0.0011 J	0.0010 J	0.00085 J	0.0026	0.0032	0.0013	0.013	0.0052	0.0030	0.0047
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00091 J	< 0.00062 U	0.00029 J
Zinc	mg/L	0.054	< 0.0012 U	0.0040	0.0013	0.12	0.0014	0.0018	< 0.0012 U	0.0025	< 0.0012 U	0.0017	0.0015	0.16	0.0037	0.0016	0.083
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	540	510	560	470	510	490	480	480	460	440	440	460	410	400	350	550
Carbonate Alkalinity	mg/L	< 1.6 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U
Magnesium	mg/L	27	30	33	27	29	28	26	26	22	23	24	25	24	22	20	28
Potassium	mg/L	8.8	12	14	7.6 J	12	11	12	12	8.6	8.6	9.0	11	9.1	7.7	7.4	10
Sodium	mg/L	21	27	38	33	35	35	40	36	23	32	32	36	41	30	29	80
Total Alkalinity	mg/L	540	510	560	470	510	490	480	480	460	440	440	460	410	400	350	550

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-08	MW-08
Compliance Phase:		AM	AM
Sample Date:		10/22/2025	2/18/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	1.18	0.87
Dissolved Oxygen	mg/L	0.14	0.12
Oxidation Reduction Potential	mV	-135.5	-134.6
pH	su	7.1	7.57
Temperature	deg c	15.2	5.9
Turbidity	NTU	0.02	4.65
Appendix III			
Boron	mg/L	8.2	5.7
Calcium	mg/L	130	96
Chloride	mg/L	77	32
Fluoride	mg/L	1.1	1.4
Sulfate (as SO4)	mg/L	0.60 JD	< 0.58 U
Totalissolved Solids	mg/L	650	320
Appendix IV			
Antimony	mg/L	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.057	0.091
Barium	mg/L	1.5	1.4
Beryllium	mg/L	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.00047	0.00042
Cobalt	mg/L	0.00060	0.00034 J
Fluoride	mg/L	1.1	1.4
Lead	mg/L	< 0.00010 U	< 0.00010 U
Lithium	mg/L	0.088	0.083
Mercury	mg/L	< 0.00000016 U	< 0.00000016 U
Molybdenum	mg/L	0.00065 J	0.0041
Radium 226 and 228	pCi/L	< 0.707 U	< 0.817 U
Radium-226	pCi/L	0.285	< 0.126 U
Radium-228	pCi/L	< 0.707 U	< 0.817 U
Selenium	mg/L	0.00011 J	0.00012 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	11	9.1
Michigan CCR Part 115			
Copper	mg/L	< 0.00020 U	0.00042
Iron	mg/L	9.5	6.6
Nickel	mg/L	0.0036	0.0016
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00030 J	< 0.00028 U
Zinc	mg/L	0.0016	0.10
Additional Parameters			
Bicarbonate Alkalinity	mg/L	480	370
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	27	23
Potassium	mg/L	11	9.0
Sodium	mg/L	61	34
Total Alkalinity	mg/L	480	370

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/28/2022	1/4/2023	2/6/2023	3/14/2023	4/18/2023	5/23/2023	6/27/2023	8/8/2023	10/24/2023	2/13/2024	4/7/2024	7/17/2024	10/17/2024	2/25/2025	4/19/2025	8/13/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	1.33	1.49	1.593	1.472	2.02	1.95	1.95	1.92	1.63	2.03	2.2	2.16	1.82	2.36	1.618	2.02
Dissolved Oxygen	mg/L	0.19	0.2	1.89	0.35	0.08	0.07	0.05	0.17	0.07	0.34	0.27	0.01	0.17	3.08	1.66	0.14
Oxidation Reduction Potential	mV	42	-183.9	-138.4	-131.5	-112.3	-107.1	-117	-114.7	-69.3	-106.1	-160.4	-155.1	-137.5	58.3	-72.1	-138.9
pH	su	7.2	7.22	7.22	7.4	7.22	7.52	7.28	7.21	7.16	7.14	7.25	7.2	7.12	7	7.12	7.15
Temperature	deg c	12.7	10.5	8.5	6.8	7.7	10.6	12.1	15	15.7	7.7	8.8	15.2	16.3	9.1	8.7	15.8
Turbidity	NTU	0.02	0.02	1.04	0.02	0.55	0.66	0.71	2.01	0.49	1.89	2.01	4.56	0.02	0.73	1.94	1.41
Appendix III																	
Boron	mg/L	6.0	5.8	6.1	5.1	4.9	5.9	6.3 J+	5.7	6.9	5.3	5.5	5.9	6.2	5.1	4.9	5.5
Calcium	mg/L	270	230	300	400	390	410	430	330	310	420	500	430	310	510	450	500
Chloride	mg/L	15	17	18	16	12	11	11	12	12	18	25	25	25	67	57	41
Fluoride	mg/L	2.1	2.4	2.6	2.5	2.5	2.7	2.9	2.9	2.8	2.2	2.3	2.6	2.9	2.4	2.4	2.7
Sulfate (as SO4)	mg/L	110	83	210	480	650	580	500	450	210	610	720	630	270	790	930	810
Totalissolved Solids	mg/L	960	740	1100	1400	1600	1600	1500	1400	1100	1600	1700	1700	1300	1900	2000	1900
Appendix IV																	
Antimony	mg/L	0.000073 J	< 0.000050 U	0.00023 J	0.000092 J	0.00037 J	< 0.00050 U	< 0.00010 U	< 0.00010 U	< 0.0001 U	< 0.00050 U	< 0.00010 U	0.00012 J	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.0025	0.0023	0.0023	0.0023	0.0013	0.0013	0.0027 J+	0.0024	0.0023	0.0015	0.0030	0.0025	0.0025	0.0015	0.0016	0.0022
Barium	mg/L	0.59	2.4	0.36	0.38	0.18	0.20	0.17	0.20	0.28	0.31	0.20	0.20	0.23	0.097	0.10	0.12
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.000058 J	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.000057 J	< 0.000052 U	0.00015 J	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.00016 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.0022	0.0028	0.0032	0.0030	0.0018	0.0019	0.0031	0.0027	0.0018	0.0016	0.0026	0.0021	0.0027	0.0020	0.0024	0.0021
Cobalt	mg/L	0.00035 J	0.00046 J	0.00058	0.00099	0.00053	0.00037 J	0.00069 J+	0.00075	0.00024 J	0.00058	0.00076	0.00024 J	0.00023 J	0.00043 J	0.00053	0.00024 J
Fluoride	mg/L	2.1	2.4	2.6	2.5	2.5	2.7	2.9	2.9	2.8	2.2	2.3	2.6	2.9	2.4	2.4	2.7
Lead	mg/L	< 0.00022 U	< 0.00022 U	< 0.0011 U	< 0.00022 U	< 0.0011 U	< 0.00050 U	< 0.00010 UJ	< 0.00010 U	< 0.0001 U	< 0.00050 U	< 0.00010 U	< 0.00050 U	< 0.00010 U	< 0.00050 U	< 0.00010 U	< 0.00010 U
Lithium	mg/L	0.29	0.34	0.33	0.31	0.26	0.29	0.34	0.33	0.29	0.26	0.29	0.30	0.27	0.33	0.31	0.31
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.0024	< 0.00016 U	0.0021	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00000016 U	0.00000032 J
Molybdenum	mg/L	0.028	0.033	0.029	0.021	0.020	0.012	0.019 J+	0.019	0.021	0.0097	0.021	0.016	0.028	0.023	0.025	0.028
Radium 226 and 228	pCi/L	0.789	< 0.678 U	< 0.642 UJ	< 0.796 U	< 0.688 U	< 0.912 U	< 0.742 U	< 0.821 U	< 0.688 U	< 0.98 U	< 0.743 U	< 0.771 U	< 0.851 U	< 0.45 U	< 0.778 U	< 0.782 U
Radium-226	pCi/L	< 0.16 U	< 0.0959 U	< 0.125 UJ	< 0.223 U	< 0.184 U	< 0.22 U	< 0.186 U	< 0.163 U	< 0.237 U	< 0.12 U	< 0.17 U	< 0.135 U	< 0.185 U	< 0.24 U	< 0.218 U	< 0.383 U
Radium-228	pCi/L	0.69	< 0.678 U	< 0.642 UJ	< 0.796 U	< 0.688 U	< 0.912 U	< 0.742 U	< 0.821 U	< 0.688 U	< 0.98 U	< 0.743 U	< 0.771 U	< 0.851 U	< 0.45 U	< 0.778 U	< 0.782 U
Selenium	mg/L	0.00026 J	< 0.00022 U	0.00028 J	0.00024 J	< 0.00022 U	0.00012 J	0.00027 J+	0.00026 J	0.00023 J	0.00024 J	0.00033 J	0.00029 J	0.00040 J	0.00064	0.00038 J	0.00027 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	45	51	52	50	56	52	46	48	39	47	50	57	47	33	64	64
Michigan CCR Part 115																	
Copper	mg/L	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	0.00043	< 0.0002 U	< 0.00020 U	0.00029	0.0013	0.00029	0.00034	< 0.00020 U	< 0.00020 U
Iron	mg/L	17	19	19	24	25	25	19	16	15	22	26	20	16	13	26	24
Nickel	mg/L	0.00088 J	0.0020	0.0020	0.0033	0.0018	0.0010 J	0.0012	0.0012	0.00072 J	0.0060	0.0072	0.0099	0.0020	0.10	0.0044	0.0046
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00047 J
Zinc	mg/L	0.025	0.0015	< 0.0012 UJ	< 0.0012 U	0.018	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	0.0017	0.0091	0.016	0.0045	0.0071
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	750	710	750	620	610	400	720	660	780	610	600	630	790	670	610	590
Carbonate Alkalinity	mg/L	< 1.6 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U
Magnesium	mg/L	38	36	44	50	53	53	47	46	41	55	64	53	44	69	67	62
Potassium	mg/L	13	16	16	10 J	15	14	16	17	15	13	14	15	14	16	14	15
Sodium	mg/L	29	28	26	26	26	29	30	27	27	26	31	28	26	34	33	30
Total Alkalinity	mg/L	750	710	750	620	610	400	720	660	780	610	600	630	790	670	610	590

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

Sample Location:		MW-09	MW-09
Compliance Phase:		AM	AM
Sample Date:		10/20/2025	2/17/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	2.31	2.49
Dissolved Oxygen	mg/L	0.23	0.19
Oxidation Reduction Potential	mV	-109.9	-53.3
pH	su	6.88	6.93
Temperature	deg c	15.8	9.3
Turbidity	NTU	5.82	1.84
Appendix III			
Boron	mg/L	6.2	4.9
Calcium	mg/L	500	510
Chloride	mg/L	41	53
Fluoride	mg/L	2.1	2.6
Sulfate (as SO4)	mg/L	680	970
Totalissolved Solids	mg/L	1800	2100
Appendix IV			
Antimony	mg/L	< 0.00010 U	0.00016 J
Arsenic	mg/L	0.0025	0.00082
Barium	mg/L	0.14	0.061
Beryllium	mg/L	0.000085 J	0.000064 J
Cadmium	mg/L	< 0.000075 U	0.00068
Chromium, Total	mg/L	0.0024	0.0011
Cobalt	mg/L	0.00037 J	0.00061
Fluoride	mg/L	2.1	2.6
Lead	mg/L	< 0.00050 U	0.00014 J
Lithium	mg/L	0.29	0.35
Mercury	mg/L	< 0.00000016 U	0.00000029 J
Molybdenum	mg/L	0.023	0.033
Radium 226 and 228	pCi/L	20.3	< 1.12 U
Radium-226	pCi/L	0.504	< 0.132 U
Radium-228	pCi/L	19.8	< 1.12 UG
Selenium	mg/L	0.00034 J	0.0035
Thallium	mg/L	< 0.00038 U	< 0.000075 U
Total Suspended Solids	mg/L	60	15
Michigan CCR Part 115			
Copper	mg/L	0.00024 J	0.0038
Iron	mg/L	23	5.8
Nickel	mg/L	0.024	0.023
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00071 J	0.00028 J
Zinc	mg/L	0.0019	0.12
Additional Parameters			
Bicarbonate Alkalinity	mg/L	680	600
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	65	81
Potassium	mg/L	16	14
Sodium	mg/L	32	39
Total Alkalinity	mg/L	680	600

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

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J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

	Sample Location:	MW-09B
	Compliance Phase:	Development
	Sample Date:	12/22/2025
	Sample Type:	Field Sample
	Unit:	Unit 3A/B & 1/2
	Sample Matrix:	Groundwater
Constituent	Unit	Result
Field Parameters		
Conductivity	mS/cm	1.756
Dissolved Oxygen	mg/L	0.03
Oxidation Reduction	mV	-88.3
pH	su	7.14
Temperature	deg c	11.3
Turbidity	NTU	7.23
Appendix III		
Boron	mg/L	4.5
Calcium	mg/L	270 D
Chloride	mg/L	220 D
Fluoride	mg/L	1.8 D
Sulfate (as SO4)	mg/L	520 D
Total Dissolved Solic	mg/L	1600 D
Appendix IV		
Antimony	mg/L	0.00018 J
Arsenic	mg/L	0.0020
Barium	mg/L	0.093
Beryllium	mg/L	< 0.000052 U
Cadmium	mg/L	< 0.000075 U
Chromium, Total	mg/L	0.00034
Cobalt	mg/L	0.0015
Fluoride	mg/L	1.8 D
Lead	mg/L	0.00013 J
Lithium	mg/L	0.061
Mercury	mg/L	0.00000041
Molybdenum	mg/L	0.012
Radium 226 and 228	pCi/L	< 0.57 U
Radium-226	pCi/L	< 0.24 U
Radium-228	pCi/L	< 0.57 U
Selenium	mg/L	0.0024
Thallium	mg/L	< 0.000075 U
Total Suspended So	mg/L	15 D
Michigan CCR Part 115		
Copper	mg/L	--
Iron	mg/L	7.4
Nickel	mg/L	0.0016
Silver	mg/L	< 0.000050 U
Vanadium	mg/L	0.00063 J
Zinc	mg/L	0.0090
Additional Parameters		
Bicarbonate Alkalinit	mg/L	750
Carbonate Alkalinity	mg/L	< 1.6 U
Magnesium	mg/L	38
Potassium	mg/L	13
Sodium	mg/L	29
Total Alkalinity	mg/L	750

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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R The sample results are unusable due to the quality of the data generate because certain criteria were not met. The analyte might or might not b

Sample Location:		MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/29/2022	1/4/2023	2/6/2023	3/14/2023	4/18/2023	5/23/2023	6/27/2023	8/8/2023	10/23/2023	2/13/2024	4/7/2024	7/17/2024	10/16/2024	2/26/2025	4/20/2025	8/14/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	1.96	2.48	2.34	2.16	2.51	2.18	2.83	3.19	2.68	2.37	3.62	3.62	4	2.87	2.73	3.79
Dissolved Oxygen	mg/L	0.08	0.04	0.07	0.05	0.02	0.03	0.11	0.02	0.07	0.18	0.03	0.03	0.07	0.17	0.12	0.1
Oxidation Reduction Potential	mV	-20.3	-245.6	-222.9	-200.2	-189.2	-197.6	-216.2	-168	-149.1	-116.1	-162.4	-193.2	-144.8	99	-151.2	72.1
pH	su	7.85	7.79	7.05	8.19	7.96	8.81	7.85	7.74	7.47	7.8	7.8	7.42	7.53	7.76	7.77	7.53
Temperature	deg c	11.1	7.7	5.9	4.6	6.5	10.3	13.4	17	14.8	5.3	7.1	16.9	16.5	5.5	7	17.3
Turbidity	NTU	0.02	0.02	0.65	0.02	0.29	2.21	0.02	1.01	0.02	3.61	0.02	0.02	1.48	3.3	3.96	0.35
Appendix III																	
Boron	mg/L	25	14	9.7	4.5	9.2	17	26 J+	28	23	8.7	6.4	15	21	23	22	28
Calcium	mg/L	220	220	280	460	280	210	210	160	190	310	590	430	360	300	270	250
Chloride	mg/L	220	170	130	92	140	160	320	430	310	140	240	420	670	350	330	700
Fluoride	mg/L	7.1	5.7	4.0	2.7	4.6	6.5	7.3	7.7	6	3.3	2.7	4.2	5.2	5.9	5.7	6.2
Sulfate (as SO4)	mg/L	490	620	880	360	950	410	200	140	330	840	1700	1000	690	390	450	270
Totalissolved Solids	mg/L	1700	1800	1800	2400	1900	1500	1700	1900	1600	1800	3200	2700	2800	1900	1800	2300
Appendix IV																	
Antimony	mg/L	0.00013 J	< 0.000050 U	< 0.00025 U	< 0.000050 U	0.00034 J	< 0.00050 U	0.00011 J	0.00011 J	< 0.0001 UJ	< 0.00050 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.00049 J	0.00034 J	0.00038 J	0.00037 J	0.00020 J	0.00055	0.00073 J+	0.0011	0.00094	0.00025 J	0.00085	0.0012	0.0020	0.00053 J	0.00074	0.0016
Barium	mg/L	0.32	0.57	0.28	0.23	0.14	0.16	0.23	0.28	0.46	0.32	0.27	0.19	0.23	0.38	0.32	0.36
Beryllium	mg/L	< 0.000054 U	0.000071 J	< 0.000052 U	0.000054 J	< 0.000052 U	0.00022 J	0.000092 J+	0.00015 J	0.000052 J-	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.000063 J	< 0.000052 U	0.000069 J	0.00012 J
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	< 0.00016 U	< 0.000032 U	< 0.00016 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.0040	0.0050	0.0026	0.0018	0.0019	0.0042	0.0070	0.0085	0.0042	0.0013	0.0016	0.0028	0.0031	0.0045	0.0048	0.0041
Cobalt	mg/L	0.00038 J	0.00040 J	0.00041 J	0.00053	0.00030 J	0.0018	0.00068 J+	0.00090	0.00038 J-	< 0.00010 U	0.00010 J	0.00025 J	0.00042 J	0.00029 J	0.00027 J	0.00053
Fluoride	mg/L	7.1	5.7	4.0	2.7	4.6	6.5	7.3	7.7	6	3.3	2.7	4.2	5.2	5.9	5.7	6.2
Lead	mg/L	< 0.00023 U	< 0.00022 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00050 U	< 0.00010 UJ	0.00012 J	0.00017 J	< 0.00050 U	< 0.00010 U	< 0.00050 U	< 0.00050 U	< 0.00010 U	< 0.00010 U	< 0.00010 U
Lithium	mg/L	0.92	0.83	0.54	1.6	0.99	0.83	1.1	1.2	0.94	0.56	0.76	0.94	1	0.97	0.83	0.99
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 UJ	< 0.00016 U	0.0019	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00000016 U	0.00000037 J
Molybdenum	mg/L	0.0072	0.0033	0.0048	0.0036	0.0035 J	0.0056	0.0019 J+	0.0028	0.0027	0.00080 J	0.0015	0.0037	0.0035	0.00065 J	0.0016	0.0022
Radium 226 and 228	pCi/L	< 0.775 U	< 0.645 U	1.36	< 1.09 U	< 0.605 UJ	< 0.801 U	< 0.752 U	< 0.736 U	< 0.897 UJ	1.22	< 0.59 U	< 0.698 U	1.96	< 0.83 U	< 1.12 UJ	2.06
Radium-226	pCi/L	< 0.171 U	< 0.119 U	< 0.121 U	< 0.231 U	< 0.155 UJ	< 0.248 U	< 0.179 U	< 0.142 U	< 0.229 UJ	0.206	< 0.149 U	0.185	0.417	0.62	< 0.29 UJ	0.495
Radium-228	pCi/L	< 1 U	< 0.645 U	1.31	< 1.09 UG	< 0.605 UJ	< 0.801 U	< 0.752 U	< 0.736 U	< 0.897 UJ	1.01	< 0.59 U	< 0.698 U	1.54	< 0.83 U	< 1.12 UJ	1.57
Selenium	mg/L	0.00031 J	0.00028 J	0.00031 J	0.00046 J	< 0.00022 U	0.00039 J	0.00036 J+	0.00041 J	0.00036 J	0.00083	0.00030 J	0.00034 J	0.00032 J	0.00019 J	0.00026 J	0.00034 J
Thallium	mg/L	< 0.000076 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.00038 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	4.0	4.0	1.0 J	9.0	8.0 J+	2.0 J	< 4.0 U	2.0 J	< 4 U	< 4.0 U	6.0	20	11	14	13	< 4.0 U
Michigan CCR Part 115																	
Copper	mg/L	0.00049	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	0.0013	< 0.00020 U	< 0.00020 U	0.00038 J-	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U
Iron	mg/L	3.7	3.7	3.9	7.2	7.3	6.2	4.5	3.2	2.4	3.7	6.0	5.9	5.2	7.0	7.7	3.4
Nickel	mg/L	0.00089 J	0.00087 J	< 0.00065 U	< 0.00065 U	< 0.00065 U	0.0018	0.00088 J	0.0012	0.00076 J-	< 0.00065 U	< 0.00065 U	< 0.00065 U	0.00085 J	< 0.00065 U	0.00079 J	0.00092 J
Silver	mg/L	< 0.000051 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	< 0.00025 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00064 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.0013	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00089 J	0.0010 J	< 0.00062 U	< 0.00062 U	0.0012
Zinc	mg/L	0.014	0.0012	< 0.0012 U	< 0.0012 U	0.013	0.0018	0.0012	0.0014	0.0025 J-	< 0.0012 U	< 0.0012 U	< 0.0012 U	0.014	< 0.0012 U	< 0.0012 U	0.019
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	680	580	320	140	340	540	720	770	700	240	220	410	560	850	680	730
Carbonate Alkalinity	mg/L	< 1.6 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U
Magnesium	mg/L	85	86	91	95	76	63	59	58	61	86	120	100	91	110	100	76
Potassium	mg/L	44	33	31	40	42	36	46	48	45	41	60	63	62	42	38	50
Sodium	mg/L	220	160	120	140	160	190	310	390	300	120	130	250	360	230	220	440
Total Alkalinity	mg/L	680	580	320	140	340	540	720	770	700	240	220	410	560	850	680	730

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-10	MW-10
Compliance Phase:		AM	AM
Sample Date:		10/20/2025	2/17/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	3.58	2.97
Dissolved Oxygen	mg/L	0.09	0.14
Oxidation Reduction Potential	mV	-158.5	-190.3
pH	su	7.36	7.78
Temperature	deg c	17	6.6
Turbidity	NTU	0.02	0.02
Appendix III			
Boron	mg/L	30	26
Calcium	mg/L	270	270
Chloride	mg/L	600	400
Fluoride	mg/L	5.2	5.6
Sulfate (as SO4)	mg/L	270	210
Totalissolved Solids	mg/L	2200	1800
Appendix IV			
Antimony	mg/L	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.0017	0.00086
Barium	mg/L	0.64	0.72
Beryllium	mg/L	0.000082 J+	< 0.000052 UJ
Cadmium	mg/L	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.0049	0.0052
Cobalt	mg/L	0.00055	0.00037 J
Fluoride	mg/L	5.2	5.6
Lead	mg/L	< 0.00010 U	< 0.00010 U
Lithium	mg/L	0.98	1.0
Mercury	mg/L	< 0.00000016 U	0.00000020 J+
Molybdenum	mg/L	0.0019	0.00089 J
Radium 226 and 228	pCi/L	< 1.15 U	< 0.613 UJ
Radium-226	pCi/L	0.389 J+	< 0.108 UJ
Radium-228	pCi/L	< 1.15 UG	< 0.613 UJ
Selenium	mg/L	0.00039 J	0.00030 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	< 4.1 U	8.2
Michigan CCR Part 115			
Copper	mg/L	< 0.00020 U	< 0.00020 U
Iron	mg/L	2.3	5.4
Nickel	mg/L	0.0011 J	0.0012
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.0014	0.00053 J
Zinc	mg/L	0.0016 J+	0.048
Additional Parameters			
Bicarbonate Alkalinity	mg/L	710	870
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	79	100
Potassium	mg/L	56	40
Sodium	mg/L	390	260
Total Alkalinity	mg/L	710	870

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/29/2022	1/3/2023	2/8/2023	3/14/2023	4/18/2023	5/23/2023	6/28/2023	8/8/2023	10/24/2023	2/13/2024	4/7/2024	7/18/2024	10/16/2024	2/25/2025	4/20/2025	8/14/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	1.38	1.4	1.9	1.413	1.77	1.76	1.85	1.68	1.4	1.38	1.63	1.72	1.56	1.71	0.979	1.94
Dissolved Oxygen	mg/L	0.1	0.31	0.25	0.19	0.23	0.09	0.13	0.22	0.31	0.07	0.25	0.09	0.23	0.44	0.2	0.14
Oxidation Reduction Potential	mV	76.8	-142.4	-161.7	-121	-157.9	-136.5	-64.7	-27.6	-179.4	140.9	-148.2	-78	-142.4	50.6	-82.3	60.7
pH	su	7.28	7.32	7.4	7.47	7.33	7.34	7.31	7.22	7.44	7.33	7.38	7.13	7.24	7.09	7.28	7.2
Temperature	deg c	13.6	11.7	9.9	7.5	7.8	10.6	13.2	15.3	15.9	9.2	9.4	15.4	16.1	9.6	9.3	15
Turbidity	NTU	0.02	1.53	0.02	0.02	0.02	1.25	5.01	0.02	0.02	0.02	1.6	0.02	0.08	1.36	0.69	3.11
Appendix III																	
Boron	mg/L	8.5	13	4.8 B	2.8	1.5	2.0	3.0 J+	7.2	12	8.1	3.2	4.8	7.1	5.2	4.5	6.4
Calcium	mg/L	240	130	300	380	320	320	350	240	150	230	290	270	190	270	220	290
Chloride	mg/L	95	84	78	62	52	53	72	73	88	62	38	59	73	71	39	95
Fluoride	mg/L	0.81	1.4	0.37	0.32	0.21	0.22	0.25	0.69	1.2	0.75	0.61	0.47	0.9	0.45	0.69	0.64
Sulfate (as SO4)	mg/L	13 J	10	42	180	210	87	17	1.8 JD	< 0.41 U	< 0.41 U	14	< 2.2 U	< 1.1 U	< 2.2 U	< 2.2 U	5.4 JD
Totalissolved Solids	mg/L	970 J-	680	1200	1100	1200	1200	1100	930	1800	880	960	1000	890	1000	870	1100
Appendix IV																	
Antimony	mg/L	0.000082 J	0.00069	< 0.000050 U	< 0.000050 U	0.00028 J	< 0.00050 U	< 0.00010 U	< 0.00010 U	< 0.0001 U	< 0.00010 U	0.00028	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.0017	0.0041	0.0016	0.0011	0.00061	0.0010	0.0012 J+	0.0019	0.0023	0.0012	0.0013	0.0015	0.0016	0.0014	0.0020	0.0022
Barium	mg/L	0.74	1.2	0.59	0.60	0.36	0.41	0.50	0.57	0.87	0.83	0.53	0.56	0.78	0.57	0.57	0.68
Beryllium	mg/L	< 0.000052 U	0.000091 J	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.00044	< 0.000052 U	0.000088 J	< 0.000052 U	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	< 0.000032 U	0.00073	< 0.000032 U	< 0.000032 U	< 0.00016 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.000075 U	0.00016 J	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.00080	0.0086	0.0010	0.00087	0.00045	0.00052	0.0012	0.0018	0.00063	0.00062	0.00078	0.0010	0.00091	0.00086	0.0010	0.0013
Cobalt	mg/L	0.00036 J	0.0012	0.00061	0.00072	0.00040 J	0.00040 J	0.00066 J+	0.00061	0.00023 J	0.00026 J	0.0024	0.00028 J	0.00032 J	0.00035 J	0.00027 J	0.00049 J
Fluoride	mg/L	0.81	1.4	0.37	0.32	0.21	0.22	0.25	0.69	1.2	0.75	0.61	0.47	0.9	0.45	0.69	0.64
Lead	mg/L	0.0025	0.068	0.0018 J	< 0.00022 U	< 0.0011 U	< 0.00050 U	0.0038 J+	0.00017 J	0.00036 J	0.00031 J	0.00043 J	0.00018 J	0.00041 J	0.00042 J	0.0012	0.0089
Lithium	mg/L	0.10	0.22	0.052	0.028	0.0059	0.0084	0.022	0.095	0.15	0.077	0.028	0.042	0.065	0.051	0.055	0.057
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.0011	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.00000088	0.0000027
Molybdenum	mg/L	0.0017	0.0029	0.0015	< 0.00062 U	< 0.00062 U	0.00043 J	0.00066 J+	0.0013	0.0015	0.00066 J	0.0030	0.0010 J	0.00062 J	0.00095 J	0.00099 J	0.0022
Radium 226 and 228	pCi/L	1.19	1.32	< 0.91 U	1.07	1.67	0.812	< 1 U	1.76	0.764	1.13	< 0.775 U	< 0.575 U	2.61	1.35	--	1.1
Radium-226	pCi/L	0.445	0.422	0.352	0.304	0.406	0.228	0.243	0.409	0.469	0.514	0.205	0.275	0.319	0.61	--	< 0.391 U
Radium-228	pCi/L	0.75	0.903	< 0.91 U	< 0.84 U	1.26	< 0.721 U	< 1 U	1.35	< 0.624 U	< 0.765 U	< 0.775 U	< 0.575 U	2.3	0.74	--	0.832
Selenium	mg/L	0.00022 J	0.00031 J	< 0.00022 U	< 0.00022 U	< 0.00022 U	0.00014 J	0.00016 J+	0.00021 J	0.0002 J	0.00071	0.00041 J	0.00017 J	0.00015 J	0.00018 J	0.00015 J	0.00023 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.000075 U	0.00021 J	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	21	35	10	11	4.0	< 4.0 U	4.0	6.0	19	9.0	4.0	4.0	28	22	16	22
Michigan CCR Part 115																	
Copper	mg/L	0.00043	0.019	0.00047	< 0.00020 U	< 0.00020 U	0.00024 J	0.00056 B	0.0016	< 0.0002 U	0.00020 J	0.0021	0.00031	0.00028	0.00025	< 0.00020 U	0.00077
Iron	mg/L	8.7	10	4.9	6.1	3.6	3.8	4.2	6.7	11	8.5	5.6	7.1	9.5	8.2	7.6	10
Nickel	mg/L	0.0013	0.0094	0.0015	0.0012	0.00065 J	0.00068 J	0.0013	0.0018	0.0015	0.0011 J	0.0028	0.00098 J	0.0015	0.0015	0.0013	0.0019
Silver	mg/L	< 0.000050 U	0.00014	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.000050 U	0.00017	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00062 U	0.00062 J	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.0030	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00068 J
Zinc	mg/L	0.032	0.10	0.0085	< 0.0012 U	0.033	< 0.0012 U	0.0049	0.0031	0.0018	< 0.0012 U	0.0035	< 0.0012 U	0.032	0.041	0.0027	0.042
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	840	600	860	810	800	840	890	800	660	760	840	820	770	900	810	880
Carbonate Alkalinity	mg/L	< 1.6 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U
Magnesium	mg/L	60	55	63	67	60	55	55	56	52	61	55	49	48	58	47	55
Potassium	mg/L	15	19	11	8.5	5.7	5.5	8.1	14	18	14	7.2	9.2	12	11	9.8	13
Sodium	mg/L	57	70	37	25	21	26	38	50	67	51	28	36	45	44	32	49
Total Alkalinity	mg/L	840	600	860	810	800	840	890	800	660	760	840	820	770	900	810	880

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-11	MW-11
Compliance Phase:		AM	AM
Sample Date:		10/23/2025	2/17/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B	Unit 3A/B
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	1.54	1.44
Dissolved Oxygen	mg/L	0.18	0.26
Oxidation Reduction Potential	mV	-147.6	-156.2
pH	su	7.23	7.37
Temperature	deg c	14.9	10.5
Turbidity	NTU	3.95	1.27
Appendix III			
Boron	mg/L	12	14
Calcium	mg/L	200	140
Chloride	mg/L	72	74
Fluoride	mg/L	0.92	1.6
Sulfate (as SO4)	mg/L	17	< 0.58 U
Totalissolved Solids	mg/L	850	710
Appendix IV			
Antimony	mg/L	0.00030	< 0.00010 U
Arsenic	mg/L	0.0044	0.0038
Barium	mg/L	0.66	1.1
Beryllium	mg/L	0.000054 J	0.000098 J+
Cadmium	mg/L	0.00035	< 0.000075 U
Chromium, Total	mg/L	0.0036	0.00095
Cobalt	mg/L	0.0026	0.00057 J-
Fluoride	mg/L	0.92	1.6
Lead	mg/L	0.034	0.00060
Lithium	mg/L	0.10	0.17
Mercury	mg/L	0.0000011	0.0000013
Molybdenum	mg/L	0.0039	0.0026
Radium 226 and 228	pCi/L	< 1.43 U	< 0.841 U
Radium-226	pCi/L	0.547	0.324
Radium-228	pCi/L	< 1.43 UG	< 0.841 UJ
Selenium	mg/L	0.00033 J	0.00026 J+
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	19	39
Michigan CCR Part 115			
Copper	mg/L	0.0064	0.00047 J-
Iron	mg/L	7.3	18
Nickel	mg/L	0.015	0.0024
Silver	mg/L	0.00015	< 0.000050 U
Vanadium	mg/L	0.0010 J	0.00054 J-
Zinc	mg/L	0.047	0.069
Additional Parameters			
Bicarbonate Alkalinity	mg/L	700	660
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	55	58
Potassium	mg/L	18	22
Sodium	mg/L	64	73
Total Alkalinity	mg/L	700	660

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/28/2022	1/3/2023	2/7/2023	3/13/2023	4/19/2023	5/23/2023	6/27/2023	8/7/2023	10/23/2023	2/13/2024	4/8/2024	7/17/2024	10/16/2024	2/26/2025	4/21/2025	8/13/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	0.459	0.387	0.542	0.311	0.52	0.44	0.55	0.67	0.64	0.33	0.345	0.57	0.55	0.471	0.345	0.58
Dissolved Oxygen	mg/L	1.62	8.72	8.46	10.31	1.03	2.93	0.12	0.08	0.16	11.12	8.25	0.17	0.11	2.07	4.03	0.15
Oxidation Reduction Potential	mV	93.4	47.4	-14.8	87.6	26.2	131	54.9	-30.1	-118.7	36.8	125.4	-2.2	-38	-18.7	-21.7	-97.4
pH	su	7.67	7	7.8	8.16	7.92	7.77	7.52	7.47	7.46	8.32	7.91	7.46	7.33	7.73	7.64	7.39
Temperature	deg c	8.8	3.3	1.3	3	9.7	13.9	17.5	20.9	15.9	3.5	6.5	19.5	17.6	3.7	8.2	21.6
Turbidity	NTU	0.02	0.02	0.02	0.02	0.02	1.92	0.02	0.02	0.31	0.02	0.02	0.02	0.02	0.02	0.02	7.13
Appendix III																	
Boron	mg/L	0.39	0.24	0.26	0.19	0.20	0.27	0.33 J+	0.36	0.42	0.22	0.25	0.41	0.4	0.36	0.23	0.44
Calcium	mg/L	77	46	78	77	55	63	64	95	95	40	40	74	79	59	41	69
Chloride	mg/L	24	16	27	18	16	15	17	22	26	17	12	18	18	27	15	16
Fluoride	mg/L	0.54	0.43	0.23	0.48	0.23	0.22	0.26	0.28	0.26	0.46	0.41	0.29	0.31	0.2	0.27	0.31
Sulfate (as SO4)	mg/L	180	130	180	120	110	99	110	130	130	84	68	62	52	100	61	53
Totalissolved Solids	mg/L	360	210	340	200	260	270	330	420	200	100	210	380	330	300	200	350
Appendix IV																	
Antimony	mg/L	0.00071	0.0011	0.00076	0.00053	0.00094	0.00092	0.00064	0.00040	0.00041	0.00035	0.00053	0.00040	0.00084	0.0015	0.00068	0.00024 J
Arsenic	mg/L	0.0028	0.0019	0.0018	0.0014	0.0019	0.0024	0.0029 J+	0.0034	0.0031	0.0016	0.0017	0.0032	0.0030	0.0015	0.0016	0.0052
Barium	mg/L	0.030	0.017	0.024	0.025	0.022	0.032	0.043	0.053	0.06	0.022	0.025	0.071	0.10	0.051	0.038	0.11
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	0.00067	0.00078	0.0014	0.00062	0.0012	0.0016	0.0024 J+	0.0022	0.0011	0.00054	0.00082	0.0032	0.0028	0.0012	0.0015	0.011
Chromium, Total	mg/L	0.00034	0.00048	0.00046	0.00067	0.00054	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.0002 U	0.00099	0.00095	< 0.00020 UJ	0.00025	0.00041	0.00095	< 0.00020 U
Cobalt	mg/L	0.00019 J	< 0.00010 U	0.00014 J	< 0.00010 U	< 0.00010 U	0.00026 J	0.00050 J+	0.00053	0.00038 J	< 0.00010 U	< 0.00010 U	0.00056	0.00093	0.00011 J	0.00015 J	0.0013
Fluoride	mg/L	0.54	0.43	0.23	0.48	0.23	0.22	0.26	0.28	0.26	0.46	0.41	0.29	0.31	0.2	0.27	0.31
Lead	mg/L	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	0.00015 J	0.00014 J+	0.00021 J	0.00021 J	< 0.00010 U	0.00039 J	0.00038 J	0.00047 J	0.00015 J	0.00051 J	0.00026 J
Lithium	mg/L	0.0037	0.0033	0.0022 J	0.0025 J+	0.0037	0.0043	0.0064	0.0042	0.0048	0.0023 J	0.0019 J	0.0047	0.0059	0.0020 J	0.0019 J	0.0055
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.00016 J	< 0.00016 U	0.00023	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.00000083	0.0000010
Molybdenum	mg/L	0.0087	0.0072	0.0067	0.0056	0.0057	0.0069	0.0082 J+	0.0088	0.0096	0.0051	0.0046	0.0064	0.018	0.0087	0.0059	0.0083
Radium 226 and 228	pCi/L	< 0.543 U	< 0.459 U	< 0.685 U	< 0.619 U	0.809	1.09	< 0.59 UJ	< 0.578 UJ	< 0.517 U	< 0.749 U	0.769	< 0.602 UJ	1.07	< 0.86 U	0.589	1.12
Radium-226	pCi/L	< 0.13 U	< 0.0702 U	< 0.0727 U	< 0.126 U	< 0.129 U	< 0.136 U	< 0.124 U	< 0.106 UJ	< 0.212 U	< 0.116 U	< 0.146 U	0.119	< 0.148 U	< 0.3 U	< 0.306 U	< 0.325 U
Radium-228	pCi/L	< 0.543 U	< 0.459 U	< 0.685 U	< 0.619 U	0.793	1.07	< 0.59 UJ	< 0.578 UJ	< 0.517 U	< 0.749 U	0.729	< 0.602 UJ	1.07	< 0.86 U	< 0.487 U	0.943
Selenium	mg/L	0.0015	0.0022	0.0023	0.00093	0.0017	0.00076	0.00021 J+	0.00013 J	0.00029 J	0.00089	0.0012	0.00014 J	0.00043 J	0.0043	0.0017	0.00028 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	< 4.0 U	< 4.0 U	2.0 J	< 4.0 U	1.0 J	< 4.0 U	< 4.0 UJ	0.98 J+	< 4 U	< 4.0 U	< 4.0 U	< 3.9 U	< 4.0 U	< 4.0 U	< 4.0 U	6.0
Michigan CCR Part 115																	
Copper	mg/L	0.00055	0.00092	0.0010	0.0010	0.0015	0.0016	0.0012 B	0.00094	0.00071	0.0012	0.0013	0.0014	0.0019	0.0034	0.0022	0.0018
Iron	mg/L	< 0.26 U	< 0.026 U	0.033 J	0.027 J	< 0.026 U	< 0.026 U	0.051	0.064	0.037 J	< 0.026 UJ	< 0.026 UJ	0.068	0.15	0.021 J	0.047 J	0.40
Nickel	mg/L	0.0025	0.0023	0.0035	0.0016	0.0021	0.0025	0.0031	0.0035	0.0026	0.0014	0.0014	0.0029	0.0034	0.0029	0.0019	0.0062
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00085 J	0.0013	0.0012	0.00095 J	< 0.00062 U	< 0.00062 U	0.00087 J	0.0016	0.0021	0.00074 J	0.0010 J	0.00096 J
Zinc	mg/L	0.0068	0.0080	0.0095	0.0037	0.0090	0.0074	0.0085	0.010	0.008	0.0027	0.0050	0.011	0.017	0.0073	0.0080	0.023
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	86	55	52	46	85	95	140	140	190	47	86	200	220	98	100	250
Carbonate Alkalinity	mg/L	< 1.6 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U
Magnesium	mg/L	17	12	2.4	12	13	15	14	19	22	11	13	21	19	18	12	23
Potassium	mg/L	1.3	0.70	0.74	0.82	1.0	1.3	1.3	1.8	1.7	0.62	0.60	1.3	1.8	0.62	0.86	1.8
Sodium	mg/L	13	11	14	9.9	9.4	11	11	14	16	9.8	8.8	12	18	15	9.1	13
Total Alkalinity	mg/L	86	55	52	46	85	95	140	140	190	47	86	200	220	98	100	250

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-12	MW-12
Compliance Phase:		AM	AM
Sample Date:		10/22/2025	2/18/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B	Unit 3A/B
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	0.67	0.41
Dissolved Oxygen	mg/L	0.2	2.85
Oxidation Reduction Potential	mV	-90.1	-20.1
pH	su	7.32	7.79
Temperature	deg c	17.1	4.4
Turbidity	NTU	0.02	6.01
Appendix III			
Boron	mg/L	0.62	0.23 B
Calcium	mg/L	99	52
Chloride	mg/L	17	19
Fluoride	mg/L	0.3	0.26
Sulfate (as SO4)	mg/L	58	55
Totalissolved Solids	mg/L	400	260
Appendix IV			
Antimony	mg/L	0.00017 J	0.0015
Arsenic	mg/L	0.0064	0.0020
Barium	mg/L	0.14	0.050
Beryllium	mg/L	< 0.000052 U	0.000066 J
Cadmium	mg/L	0.0051	0.0027
Chromium, Total	mg/L	0.00021 J	0.00042
Cobalt	mg/L	0.0028	0.00029 J
Fluoride	mg/L	0.3	0.26
Lead	mg/L	0.00020 J	0.00080
Lithium	mg/L	0.0047	< 0.0019 U
Mercury	mg/L	0.0000012	0.0000011
Molybdenum	mg/L	0.0080	0.0042
Radium 226 and 228	pCi/L	0.989	< 0.525 U
Radium-226	pCi/L	0.233	< 0.166 U
Radium-228	pCi/L	0.756	< 0.525 U
Selenium	mg/L	0.00017 J	0.0045
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	< 4.1 U	< 4.0 U
Michigan CCR Part 115			
Copper	mg/L	0.00088	0.0035
Iron	mg/L	0.92	0.14
Nickel	mg/L	0.0073	0.0030
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00046 J	0.0012
Zinc	mg/L	0.022	0.021
Additional Parameters			
Bicarbonate Alkalinity	mg/L	290	130
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	29	14
Potassium	mg/L	1.7	0.75
Sodium	mg/L	13	10
Total Alkalinity	mg/L	290	130

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-13	MW-13	MW-13
Compliance Phase:		AM	AM	AM
Sample Date:		8/13/2025	10/21/2025	2/18/2026
Sample Type:		Field Sample	Field Sample	Field Sample
Unit:		Unit 3A/B	Unit 3A/B	Unit 3A/B
Sample Matrix:		Groundwater	Groundwater	Groundwater
Constituent	**Unit**			
Field Parameters				
Conductivity	mS/cm	1.46	1.28	1.94
Dissolved Oxygen	mg/L	0.15	0.12	0.27
Oxidation Reduction Potential	mV	17.3	-296.4	-164.8
pH	su	7.45	7.36	7.27
Temperature	deg c	19.8	18.3	12.9
Turbidity	NTU	0.81	0.02	0.02
Appendix III				
Boron	mg/L	1.2	0.93	1.4 B
Calcium	mg/L	310	270	460
Chloride	mg/L	10	12	8.6
Fluoride	mg/L	0.73	0.44	0.64
Sulfate (as SO4)	mg/L	480	290	690
Totalissolved Solids	mg/L	1100	940	1500
Appendix IV				
Antimony	mg/L	< 0.00010 U	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.00025 J	0.00024 J	0.00043 J
Barium	mg/L	0.088	0.095	0.20
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.0015	0.0018	0.0019
Cobalt	mg/L	< 0.00010 U	0.00013 J	< 0.00010 U
Fluoride	mg/L	0.73	0.44	0.64
Lead	mg/L	< 0.00010 U	< 0.00010 U	< 0.00010 U
Lithium	mg/L	0.047	0.036	0.053
Mercury	mg/L	0.00000028 J	< 0.00000016 U	< 0.00000016 U
Molybdenum	mg/L	0.0028	0.0019	0.00095 J
Radium 226 and 228	pCi/L	< 0.796 U	0.804	0.97
Radium-226	pCi/L	< 0.353 U	< 0.21 U	0.366
Radium-228	pCi/L	< 0.796 U	< 0.668 U	< 0.772 U
Selenium	mg/L	0.00010 J	0.00011 J	0.00017 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	< 4.0 U	< 4.0 U	< 4.3 U
Michigan CCR Part 115				
Copper	mg/L	< 0.00020 U	< 0.00020 U	< 0.00020 U
Iron	mg/L	0.25	0.079	0.56
Nickel	mg/L	0.0024	0.00086 J	0.00098 J
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00064 J	0.00072 J	0.00053 J
Zinc	mg/L	0.0058	< 0.00048 U	0.019
Additional Parameters				
Bicarbonate Alkalinity	mg/L	370	430	560
Carbonate Alkalinity	mg/L	< 0.31 U	< 0.16 U	< 0.16 U
Magnesium	mg/L	16	14	36
Potassium	mg/L	11	11	9.3
Sodium	mg/L	25	26	16
Total Alkalinity	mg/L	370	430	560

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

	Sample Location:	MW-15B
	Compliance Phase:	Development
	Sample Date:	12/22/2025
	Sample Type:	Field Sample
	Unit:	Unit 3A/B
	Sample Matrix:	Groundwater
Constituent	**Unit**	
Field Parameters		
Conductivity	mS/cm	1.748
Dissolved Oxygen	mg/L	0.02
Oxidation Reduction Potential	mV	-50.8
pH	su	6.79
Temperature	deg c	11.9
Turbidity	NTU	5.32
Appendix III		
Boron	mg/L	0.29 J-
Calcium	mg/L	240
Chloride	mg/L	35
Fluoride	mg/L	0.18 J
Sulfate (as SO4)	mg/L	500
Totalissolved Solids	mg/L	1400
Appendix IV		
Antimony	mg/L	< 0.00010 U
Arsenic	mg/L	0.0014
Barium	mg/L	0.27
Beryllium	mg/L	< 0.000052 U
Cadmium	mg/L	< 0.000075 U
Chromium, Total	mg/L	0.00050
Cobalt	mg/L	0.0049
Fluoride	mg/L	0.18 J
Lead	mg/L	< 0.00010 U
Lithium	mg/L	0.024
Mercury	mg/L	0.00000074
Molybdenum	mg/L	0.0038
Radium 226 and 228	pCi/L	1.56
Radium-226	pCi/L	0.395 J-
Radium-228	pCi/L	1.17 J+
Selenium	mg/L	0.0011
Thallium	mg/L	< 0.000075 U
Total Suspended Solids	mg/L	30
Michigan CCR Part 115		
Copper	mg/L	--
Iron	mg/L	8.9 J-
Nickel	mg/L	0.0020
Silver	mg/L	< 0.000050 U
Vanadium	mg/L	0.00077 J
Zinc	mg/L	0.023

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16
Compliance Phase:		AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		4/8/2024	7/18/2024	10/17/2024	2/25/2025	4/21/2025	8/13/2025	10/21/2025	2/19/2026
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**								
Field Parameters									
Conductivity	mS/cm	1.1	1.36	1.36	1.36	1.25	1.34	1.18	1.29
Dissolved Oxygen	mg/L	0.04	0.18	0.19	0.06	0.17	0.09	0.24	0.29
Oxidation Reduction Potential	mV	-90.4	-15.6	-135.9	-51.2	-111.6	-7.7	-110.2	-137.9
pH	su	7.29	6.53	6.93	7.29	7.3	6.77	6.77	7.29
Temperature	deg c	7.1	17.6	18.2	4.5	8.1	20.8	18.2	4.5
Turbidity	NTU	0.02	0.02	0.02	0.59	0.02	0.02	1.07	1.81
Appendix III									
Boron	mg/L	0.22	0.43	0.39	0.27	0.29	0.50	0.42	0.29 B
Calcium	mg/L	190	250	230	280	230	260	230	250
Chloride	mg/L	14	21	20	18	17	23	22	23
Fluoride	mg/L	0.14	0.19 JD	< 0.055 U	0.15 JD	0.18	0.13 JD	0.19 JD	0.16 JD
Sulfate (as SO4)	mg/L	60	< 2.2 U	< 1.1 U	90	140	8.7	1.1 JD	130
Totalissolved Solids	mg/L	680	830	790	910	850	790	700	840
Appendix IV									
Antimony	mg/L	< 0.00010 U	< 0.00010 U	0.00011 J	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.0052	0.0034	0.017	0.0012	0.0045	0.0035	0.023	0.0063
Barium	mg/L	0.18	0.28	0.29	0.18	0.21	0.22	0.26	0.28
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.000054 J
Cadmium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.00064	0.00085	0.0013	0.00051	0.00062	0.0015	0.0022	0.00057
Cobalt	mg/L	0.00021 J	0.00017 J	0.00030 J	0.00039 J	0.00019 J	0.00018 J	0.00016 J	0.00021 J
Fluoride	mg/L	0.14	0.19 JD	< 0.055 U	0.15 JD	0.18	0.13 JD	0.19 JD	0.16 JD
Lead	mg/L	< 0.00010 U	< 0.00010 U	0.00013 J	0.00019 J	< 0.00010 U	< 0.00010 U	0.00028 J	< 0.00010 U
Lithium	mg/L	0.016	0.025	0.024	0.020	0.020	0.027	0.025	0.021
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00000016 U	0.00000043 J	< 0.00000016 U	0.00000029 J
Molybdenum	mg/L	< 0.00025 U	< 0.00025 U	< 0.00025 U	< 0.00025 U	< 0.00025 U	< 0.00025 U	< 0.00025 U	< 0.00025 U
Radium 226 and 228	pCi/L	1.01	< 0.623 U	2.31	< 0.62 U	1.09	1.84	< 1.16 U	< 0.621 U
Radium-226	pCi/L	< 0.199 U	0.296	0.371	< 0.24 U	< 0.33 U	< 0.574 U	< 0.343 U	0.197
Radium-228	pCi/L	0.902	< 0.623 U	1.94	< 0.62 U	0.836	1.6	< 1.16 UG	< 0.621 U
Selenium	mg/L	0.00012 J	0.00011 J	0.00015 J	< 0.00010 U	0.00013 J	0.00015 J	0.00025 J	0.00017 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	16	11	40	4	17	< 4.0 U	31	16
Michigan CCR Part 115									
Copper	mg/L	0.00025	< 0.00020 U	< 0.00020 U	0.00031	< 0.00020 U	< 0.00020 U	0.00030	0.00035
Iron	mg/L	7.1	6.7	13	4.7	6.7	0.99	12	7.9
Nickel	mg/L	0.00065 J	< 0.00065 U	0.0010 J	0.0028	0.0017	0.00055 J	0.0060	0.0088
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00062 U	0.00066 J	0.00076 J	< 0.00062 U	< 0.00062 U	0.0010 J	0.0011 J	0.00038 J
Zinc	mg/L	< 0.0012 U	< 0.0012 U	0.012	0.016	0.0012	0.013	0.00087 J	0.026
Additional Parameters									
Bicarbonate Alkalinity	mg/L	550	710	760	720	620	710	620	590
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U
Magnesium	mg/L	23	27	26	33	28	26	21	31
Potassium	mg/L	3.9	5.1	5.2	5.2	5.0	5.6	4.8	4.8
Sodium	mg/L	17	23	21	25	21	25	14	22
Total Alkalinity	mg/L	550	710	760	720	620	710	620	590

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

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

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

Sample Location:		MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17
Compliance Phase:		AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		4/8/2024	7/17/2024	10/16/2024	2/3/2025	4/20/2025	8/12/2025	10/22/2025	2/18/2026
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**								
Field Parameters									
Conductivity	mS/cm	1.12	0.95	1.03	1.02	0.655	1.05	1.10	0.71
Dissolved Oxygen	mg/L	0.06	0.02	0.03	0.01	0.14	0.14	0.12	1.99
Oxidation Reduction Potential	mV	-157.2	-197.6	-194.5	-74.4	-128.6	-208.2	-169	-101.5
pH	su	7.88	7.31	7.52	7.69	7.75	7.54	7.42	7.47
Temperature	deg c	9.1	20.3	18.6	6.7	9	20.7	18.1	5.7
Turbidity	NTU	0.02	0.21	1.02	3.69	1.01	0.02	1.07	0.02
Appendix III									
Boron	mg/L	0.79	0.75	0.89	0.58	0.52	1.0	0.92	0.32
Calcium	mg/L	160	140	130	130	120	150	150	98
Chloride	mg/L	43	33	47	34	34	36	32	10
Fluoride	mg/L	0.48	0.56	0.67	0.38	0.54	0.65	0.75	0.74
Sulfate (as SO4)	mg/L	4.8 JD	33	7.3	27	4.4 JD	0.79 JD	< 0.58 U	50
Totalissolved Solids	mg/L	620	620	580	600	560	620	620	360
Appendix IV									
Antimony	mg/L	< 0.00010 U	0.00016 J	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	0.0015
Arsenic	mg/L	0.0018	0.0026	0.0024	0.0012	0.0013	0.0023	0.0020	0.0014
Barium	mg/L	0.70	0.53	0.65	0.55	0.60	0.9	0.86	0.28
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.000069 J	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	0.00011 J
Chromium, Total	mg/L	0.00076	0.0011	0.00081	0.00066	0.00090	0.00059	0.00055	0.0024
Cobalt	mg/L	0.00033 J	0.00044 J	0.00052	0.00048 J	0.00030 J	0.00033 J	0.00033 J	0.00089
Fluoride	mg/L	0.48	0.56	0.67	0.38	0.54	0.65	0.75	0.74
Lead	mg/L	0.00019 J	0.00042 J	0.00017 J	0.00077	0.00045 J	0.00014 J	< 0.00010 U	0.00052 J
Lithium	mg/L	0.035	0.033	0.036	0.028	0.027	0.043	0.036	0.016
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00000016 U	0.00000029 J	< 0.00000016 U	0.0000025
Molybdenum	mg/L	0.00079 J	0.0031	0.00077 J	0.00093 J	0.00078 J	0.00052 J	0.00042 J	0.013
Radium 226 and 228	pCi/L	0.656	< 0.918 U	1.56	0.58	1.3	1.3	1.88	< 1 U
Radium-226	pCi/L	< 0.185 U	0.315	0.334	< 0.53 U	< 0.357 U	0.448	0.427	< 0.137 U
Radium-228	pCi/L	< 0.571 U	< 0.918 U	1.22	0.58	1.3 G	< 0.849 U	1.46	< 1 U
Selenium	mg/L	0.00014 J	0.00021 J	0.00013 J	0.00011 J	0.00021 J	0.00018 J	0.00017 J	0.0015
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	9.0	9.0	12	10	14	4.0	< 4.1 U	< 4.2 U
Michigan CCR Part 115									
Copper	mg/L	0.00088	0.0016	0.00049	0.0010	0.0011	0.00033	< 0.00020 U	0.0063
Iron	mg/L	6.6	3.5	3.8	4.1	4.8	4.7	4.4	1.9
Nickel	mg/L	0.0011 J	0.0020	0.0015	0.0011 J	0.0012	0.00092 J	0.00085 J	0.0086
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00084 J	0.0013	0.00089 J	0.00077 J	0.00065 J	0.00060 J	0.00051 J	0.00094 J
Zinc	mg/L	0.0026	0.0059	0.027	0.044	0.0087	0.0029	0.0020	0.074
Additional Parameters									
Bicarbonate Alkalinity	mg/L	530	460	500	480	500	550	530	300
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Magnesium	mg/L	30	24	24	24	24	27	25	19
Potassium	mg/L	15	16	16	12	12	17	15	8.8
Sodium	mg/L	59	39	56	49	47	56	48	22
Total Alkalinity	mg/L	530	460	500	480	500	550	530	300

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/30/2022	1/5/2023	2/8/2023	3/13/2023	4/18/2023	5/22/2023	6/27/2023	8/8/2023	10/24/2023	2/13/2024	4/10/2024	7/17/2024	10/16/2024	2/26/2025	4/21/2025	8/12/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	1.54	2.06	1.788	1.554	1.4	1.52	1.62	1.46	1.6	1.51	1.69	1.64	1.69	1.85	1.49	1.30
Dissolved Oxygen	mg/L	0.09	0.19	0.72	0.22	0.34	0.15	0.29	0.05	0.3	0.05	0.4	0.04	0.02	0.47	0.42	0.16
Oxidation Reduction Potential	mV	66.8	-126.8	-70.8	-69.8	-31.3	-22.1	-88.4	-92.8	-80	132.6	-114.3	-143.3	-123.7	79.4	-86.7	-138.7
pH	su	7.05	7.02	7.2	7.12	7.19	7.16	7.16	7.25	7.16	7.27	7.18	7.31	7.17	7.18	7.27	7.31
Temperature	deg c	9.9	6.5	5.2	3.8	6.3	11.3	17.2	17.8	15.3	5.5	7	17.3	16	5.3	7.3	18.7
Turbidity	NTU	0.02	0.02	0.09	0.02	0.52	0.02	0.02	7.06	0.59	0.02	0.02	4.07	1.39	4.55	2.18	0.02
Appendix III																	
Boron	mg/L	2.2	2.0	2.3	1.9	1.8	2.6	2.7 J+	2.3	3	3.5	4	3.9	3.9	4.4	3.7	4.2
Calcium	mg/L	450	410	380	330	270	340	240	250	360	370	350	330	330	410	270	250
Chloride	mg/L	28	26	22	19	16	19	24	27	22	24	16	27	24	32	19	26
Fluoride	mg/L	3.5	3.3	3.5	3.8	3.8	3.9	4.4	5.1	4.5	3.4	2.7	4.5	4.8	3.2	3.3	4.7
Sulfate (as SO4)	mg/L	1200	1200	480	740	660	780	760	620	800	980	790	750	740	1100	770	570
Totalissolved Solids	mg/L	1800	1700	1600	1200	1200	1400	1400	1100	1400	1400	1400	1300	1300	1600	1200	1100
Appendix IV																	
Antimony	mg/L	0.00012 J	0.00013 J	0.00032 J	0.00014 J	0.00030	< 0.00050 U	0.00012 J	< 0.00010 U	0.00013 J	< 0.00050 U	0.00018 J	0.00011 J	0.00012 J	0.00023 J	0.00017 J	0.00010 J
Arsenic	mg/L	0.029	0.020	0.023	0.019	0.021	0.015	0.029 J+	0.030	0.041	0.024	0.029	0.031	0.044	0.028	0.027	0.036
Barium	mg/L	0.021	0.018	0.015	0.012	0.013	0.023	0.024	0.023	0.025	0.015	0.014	0.022	0.028	0.018	0.013	0.021
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.000059 J	< 0.000052 U	< 0.000052 U	0.000053 J	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	0.00022 J	0.00030	< 0.00016 U	0.00018 J	0.00018 J	0.00044 J	0.00030 J+	0.000089 J	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	0.00011 J	0.00010 J	< 0.000075 U
Chromium, Total	mg/L	< 0.00018 U	< 0.00018 U	< 0.00018 U	< 0.00018 U	< 0.00018 U	0.00025 J+	< 0.00020 U	< 0.00020 U	< 0.0002 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	0.00063	< 0.00020 U
Cobalt	mg/L	0.0060	0.0054	0.0048	0.0032	0.0020	0.0019	0.0032 J+	0.0023	0.0017	0.0023	0.0020	0.0014	0.0016	0.0023	0.0019	0.0011
Fluoride	mg/L	3.5	3.3	3.5	3.8	3.8	3.9	4.4	5.1	4.5	3.4	2.7	4.5	4.8	3.2	3.3	4.7
Lead	mg/L	< 0.00022 U	< 0.00022 U	< 0.0011 U	< 0.00022 U	< 0.00022 U	< 0.00050 U	0.00016 J+	0.00032 J	0.00014 J	< 0.00050 U	< 0.00010 U	0.00015 J	0.00014 J	< 0.00010 U	< 0.00010 U	0.00025 J
Lithium	mg/L	0.044	0.042	0.029	0.027	0.026	0.029	0.041	0.045	0.039	0.02	0.030	0.041	0.042	0.032	0.028	0.043
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00000016 U	0.00000086
Molybdenum	mg/L	0.013	0.012	0.011	0.013	0.014	0.0090	0.019 J+	0.021	0.02	0.011	0.013	0.018	0.021	0.015	0.014	0.019
Radium 226 and 228	pCi/L	0.618	< 0.478 U	< 0.501 U	< 0.592 U	1.27	< 0.701 UJ	< 0.872 U	0.73	< 0.625 U	< 0.578 U	0.927	< 0.621 U	1.01	0.93	< 0.555 U	0.817
Radium-226	pCi/L	< 0.131 U	< 0.0981 U	< 0.083 U	< 0.202 U	< 0.137 U	< 0.122 UJ	< 0.124 U	< 0.105 U	< 0.209 U	< 0.114 U	< 0.191 U	< 0.1 U	< 0.149 U	< 0.23 U	< 0.352 U	< 0.459 U
Radium-228	pCi/L	0.584	< 0.478 U	< 0.501 U	< 0.592 U	1.24	< 0.701 UJ	< 0.872 U	0.713	< 0.625 U	< 0.578 U	0.906	< 0.621 U	0.991	0.83	< 0.555 U	< 0.562 U
Selenium	mg/L	0.00031 J	0.00041 J	0.00034 J	0.00086	0.00079	0.00016 J	0.00018 J+	0.00016 J	0.00082	0.0012	0.0020	0.00016 J	0.00014 J	0.00053	0.0011	0.00015 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	12	4.0	13	2.0 J	6.0	6.0	11	7.9	11	< 4.0 U	100	15	14	4	11	12
Michigan CCR Part 115																	
Copper	mg/L	0.00043	0.00043	0.00043	0.00043	0.00062	0.00055	0.00088 B	0.0015	0.00047	0.00033	0.00048	0.00062	0.0017	0.00039	0.00047	0.00087
Iron	mg/L	10	8.6	6.8	5.4	4.3	5.3	5.8	4.9	7	7.7	7.0	6.2	6.9	8.1	5.8	5.3
Nickel	mg/L	0.011	0.011	0.0094	0.0074	0.0051	0.0050	0.0075	0.0049	0.0047	0.0056	0.0053	0.0037	0.0049	0.0058	0.0056	0.0032
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00028 U
Zinc	mg/L	0.074	0.088	0.060	0.068	0.043	0.038	0.061	0.028	0.054	0.042	0.038	0.017	0.031	0.045	0.048	0.016
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	160	110	100	130	140	130	150	200	200	120	120	180	220	100	120	220
Carbonate Alkalinity	mg/L	< 1.6 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Magnesium	mg/L	37	36	33	26	22	29	28	21	30	42	39	33	35	50	36	30
Potassium	mg/L	11	12	11	9.4	8.7	10	11	11	11	8.9	9.1	10	10	8.4	7.1	8.9
Sodium	mg/L	21	20	21	17	15	18	20	20	20	24	23	23	23	31	22	22
Total Alkalinity	mg/L	160	110	100	130	140	130	150	200	200	120	120	180	220	100	120	220

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-18	MW-18
Compliance Phase:		AM	AM
Sample Date:		10/22/2025	2/19/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	1.07	1.69
Dissolved Oxygen	mg/L	0.25	0.96
Oxidation Reduction Potential	mV	-101.1	-84.4
pH	su	7.29	7.2
Temperature	deg c	15.9	6.5
Turbidity	NTU	5.24	0.02
Appendix III			
Boron	mg/L	4.4	3.1 B
Calcium	mg/L	240	330
Chloride	mg/L	23	13
Fluoride	mg/L	5	3.5
Sulfate (as SO4)	mg/L	370	740
Totalissolved Solids	mg/L	860	930
Appendix IV			
Antimony	mg/L	0.0010	0.00041
Arsenic	mg/L	0.033	0.020
Barium	mg/L	0.034	0.027
Beryllium	mg/L	0.000054 J	0.000060 J
Cadmium	mg/L	0.00090	0.00072
Chromium, Total	mg/L	< 0.00020 U	< 0.00020 U
Cobalt	mg/L	0.0017	0.0017
Fluoride	mg/L	5	3.5
Lead	mg/L	0.00026 J	< 0.00010 U
Lithium	mg/L	0.038	0.037
Mercury	mg/L	0.00000099	0.00000097
Molybdenum	mg/L	0.028	0.016
Radium 226 and 228	pCi/L	1.16	< 0.603 U
Radium-226	pCi/L	< 0.285 U	< 0.188 U
Radium-228	pCi/L	1.16	< 0.603 U
Selenium	mg/L	0.0023	0.0017
Thallium	mg/L	0.00016 J	< 0.000075 U
Total Suspended Solids	mg/L	9.3	11
Michigan CCR Part 115			
Copper	mg/L	0.0021	0.00092
Iron	mg/L	3.3	5.0
Nickel	mg/L	0.010	0.0059
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00036 J	< 0.00028 U
Zinc	mg/L	0.21	0.13
Additional Parameters			
Bicarbonate Alkalinity	mg/L	270	160
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	26	40
Potassium	mg/L	8.6	8.1
Sodium	mg/L	22	19
Total Alkalinity	mg/L	270	160

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/30/2022	1/3/2023	2/8/2023	3/13/2023	4/18/2023	5/22/2023	6/28/2023	8/7/2023	10/24/2023	2/13/2024	4/8/2024	7/18/2024	10/16/2024	2/26/2025	4/21/2025	8/12/2025	
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	
Unit:		Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
Constituent	**Unit**																	
Field Parameters																		
Conductivity	mS/cm	1.91	2.56	2.493	2.196	2.31	2.29	1.98	20.4	2.2	1.77	2.11	2.04	1.97	1.99	1.162	1.71	
Dissolved Oxygen	mg/L	0.12	0.41	1.03	0.13	0.02	0.09	0.32	0.4	0.26	0.05	0.06	0.02	0.3	0.32	0.27	0.35	
Oxidation Reduction Potential	mV	68.7	-134.8	-70.2	-77.1	-7.9	-118.4	-112.9	-36.8	-109.1	141.9	19.4	-152	-71.9	91.2	-19.3	-93.6	
pH	su	7	6.39	6.98	6.9	6.92	7.07	6.9	6.82	6.88	6.73	6.85	6.85	6.75	6.7	6.74	6.81	
Temperature	deg c	9.2	7.3	6.3	5.7	8	11.4	13.9	16.7	15.8	5.9	8.5	16.6	15.9	5.2	7.6	15.8	
Turbidity	NTU	0.02	1.6	2.27	0.02	2.59	0.02	0.02	0.02	0.02	2.48	0.02	0.02	0.02	2.98	0.02	0.02	
Appendix III																		
Boron	mg/L	2.6	2.0	2.2	1.5	1.6	1.8	2.3 J+	1.9	2.6	1.8	1.5	2.0	2.5	2.4	1.6	2.7	
Calcium	mg/L	530	510	550	510	450 E	480	460	360	470	490	480	440	400	470	370	450	
Chloride	mg/L	75	64	66	46	42	40	37	38	50	39	23	34	40	27	21	37	
Fluoride	mg/L	2.2	2.3	1.9	1.7	1.8	1.9	1.9	2.2	2	1.6	1.5	1.7	2.1	1.4	1.5	1.9	
Sulfate (as SO4)	mg/L	1300	1300	600	1100	1200	1100	800	830	1100	1000	1000	940	850	960	890	910	
Totalissolved Solids	mg/L	2200 J-	2200	2200	2100	2000	2000	1600	1600	1900	1800	1700	1700	1600	1700	1600	1800	
Appendix IV																		
Antimony	mg/L	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	0.00072 J	< 0.00050 U	< 0.00010 U	< 0.00010 U	< 0.0001 U	< 0.00050 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	0.00046	0.00019 J	0.00011 J	
Arsenic	mg/L	0.0061	0.0055	0.0055	0.0043	0.0032	0.0031	0.0069 J+	0.0073	0.0067	0.0026	0.0044	0.0065	0.0069	0.0042	0.0037	0.0024	
Barium	mg/L	0.046	0.050	0.047	0.036	0.030	0.040	0.040	0.037	0.044	0.037	0.034	0.036	0.039	0.036	0.033	0.039	
Beryllium	mg/L	< 0.000052 U	0.000063 J	< 0.00026 U	0.000061 J	0.000057 J	0.000071 J	0.000077 J+	0.000072 J	< 0.000052 U	0.000086 J	0.000085 J	0.000085 J	0.00011 J	0.000058 J	0.00012 J	0.000098 J	
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	< 0.00016 U	< 0.000032 U	< 0.00016 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	
Chromium, Total	mg/L	0.00027	0.00053	< 0.00088 U	0.00037	< 0.00018 U	< 0.00020 U	0.00031	0.00029	< 0.0002 U	< 0.00020 U	0.00025	0.00027	0.00027	0.00020 J	0.00027	0.00022 J	
Cobalt	mg/L	0.00046 J	0.00069	0.00078 J	0.00096	0.00069	0.00042 J	0.00050 J+	0.00044 J	0.00013 J	0.00023 J	0.00046 J	< 0.00010 U	0.00021 J	0.0012	0.00092	0.00018 J	
Fluoride	mg/L	2.2	2.3	1.9	1.7	1.8	1.9	1.9	2.2	2	1.6	1.5	1.7	2.1	1.4	1.5	1.9	
Lead	mg/L	< 0.00022 U	< 0.00022 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00050 U	< 0.00010 UJ	< 0.00010 U	< 0.0001 U	< 0.00050 U	< 0.00010 U	< 0.00050 U	< 0.00050 U	< 0.00010 U	< 0.00010 U	< 0.00050 U	
Lithium	mg/L	0.099	0.11	0.099	0.090	0.11	0.085	0.090	0.098	0.089	0.073	0.074	0.090	0.087	0.084	0.073	0.088	
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00000016 U	0.00000026 J
Molybdenum	mg/L	0.013	0.011	0.0095	0.011	0.0090	0.0051	0.012 J+	0.013	0.01	0.0039	0.0099	0.0081	0.013	0.019	0.019	0.0097	
Radium 226 and 228	pCi/L	< 0.589 U	0.626	1.03	1.08	0.933	0.904	< 0.561 U	1.17	< 1.13 U	0.779	1.32	< 0.528 U	< 0.592 U	< 0.7 U	< 0.708 U	1.14	
Radium-226	pCi/L	0.235	0.222	0.266	0.171	< 0.183 U	0.216	< 0.129 U	0.179	< 0.156 U	0.219	< 0.184 U	0.157	0.221	< 0.29 U	< 0.284 U	< 0.388 U	
Radium-228	pCi/L	< 0.589 U	< 0.503 U	0.761	0.911	0.818	0.688	< 0.561 U	0.993	< 1.13 UG	0.561	1.15	< 0.528 U	< 0.592 U	< 0.7 U	< 0.708 U	0.82	
Selenium	mg/L	< 0.00022 U	< 0.00022 U	< 0.0011 U	< 0.00022 U	< 0.00022 U	< 0.00010 U	< 0.00010 UJ	< 0.00010 U	< 0.0001 U	0.00012 J	< 0.00010 U	0.00012 J	0.00020 J	0.00013 J	0.00015 J	< 0.00010 U	
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.00038 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.00038 U	
Total Suspended Solids	mg/L	27	25	16	6.0	23	19	29	33	26	17	6.0	34	37	15	18	22	
Michigan CCR Part 115																		
Copper	mg/L	< 0.00020 U	< 0.00020 U	< 0.0010 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.0002 U	< 0.00020 U	0.00022 J	0.00035	< 0.00020 U	< 0.00020 U	< 0.00020 U	0.00040	
Iron	mg/L	15	18	16	13	12	13	16	15	24	20	17	21	21	17	14	14	
Nickel	mg/L	0.0024	0.0028	< 0.0032 U	0.0024	0.0017	0.0011 J	0.0015	0.0015	0.0012	0.0012	0.0025	0.017	0.0039	0.0026	0.0029	0.0033	
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	< 0.00025 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.0031 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00067 J	0.00055 J	
Zinc	mg/L	0.0023	< 0.0012 U	< 0.0059 U	< 0.0012 U	0.0042	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	0.0019	0.0046	0.0042	0.0017	
Additional Parameters																		
Bicarbonate Alkalinity	mg/L	330	340	310	280	240	260	340	330	270	290	270	300	260	280	280	300	
Carbonate Alkalinity	mg/L	< 1.6 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	
Magnesium	mg/L	49	42	45	38	43	45	32	30	39	39	35	33	36	37	31	39	
Potassium	mg/L	18	22	16	20	16	16	15	17	16	15	14	14	14	15	13	15	
Sodium	mg/L	48	40	44	37	38	38	36	31	37	33	30	29	30	32	25	32	
Total Alkalinity	mg/L	330	340	310	280	240	260	340	330	270	290	270	300	260	280	280	300	

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-19	MW-19
Compliance Phase:		AM	AM
Sample Date:		10/22/2025	2/18/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	1.65	2.00
Dissolved Oxygen	mg/L	0.14	0.89
Oxidation Reduction Potential	mV	-35.7	-28.8
pH	su	6.67	6.63
Temperature	deg c	15	6
Turbidity	NTU	3.82	0.02
Appendix III			
Boron	mg/L	3.4	2.3
Calcium	mg/L	410	380
Chloride	mg/L	37	22
Fluoride	mg/L	2	1.5
Sulfate (as SO4)	mg/L	860	800
Totalissolved Solids	mg/L	1600	1400
Appendix IV			
Antimony	mg/L	0.00043	0.00062
Arsenic	mg/L	0.0026	0.0012
Barium	mg/L	0.042	0.031
Beryllium	mg/L	0.00011 J	0.00011 J
Cadmium	mg/L	0.00030	0.00025
Chromium, Total	mg/L	0.00024 J	0.00020 J
Cobalt	mg/L	0.0013	0.00066
Fluoride	mg/L	2	1.5
Lead	mg/L	< 0.00010 U	< 0.00010 U
Lithium	mg/L	0.085	0.078
Mercury	mg/L	< 0.00000016 U	0.00000018 J
Molybdenum	mg/L	0.021	0.019
Radium 226 and 228	pCi/L	< 0.928 U	0.88
Radium-226	pCi/L	0.318	< 0.127 U
Radium-228	pCi/L	< 0.928 U	0.773
Selenium	mg/L	0.00070	0.0036
Thallium	mg/L	0.00012 J	< 0.000075 U
Total Suspended Solids	mg/L	14	< 4.2 U
Michigan CCR Part 115			
Copper	mg/L	0.00023 J	< 0.00020 U
Iron	mg/L	8.2	8.6
Nickel	mg/L	0.014	0.0051
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00094 J	0.00060 J
Zinc	mg/L	0.10	0.079
Additional Parameters			
Bicarbonate Alkalinity	mg/L	270	280
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	38	33
Potassium	mg/L	15	12
Sodium	mg/L	32	26
Total Alkalinity	mg/L	270	280

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/30/2022	1/4/2023	2/7/2023	3/13/2023	4/18/2023	5/23/2023	6/28/2023	8/7/2023	10/24/2023	2/13/2024	4/8/2024	7/17/2024	10/16/2024	2/26/2025	4/21/2025	8/13/2025	
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	
Unit:		Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
Constituent	**Unit**																	
Field Parameters																		
Conductivity	mS/cm	1.2	1.24	1.232	1.218	1.37	1.41	1.17	1.18	1.26	1.17	1.45	1.12	1.09	0.95	0.64	0.96	
Dissolved Oxygen	mg/L	0.24	0.1	0.02	0.12	0.16	0.05	0.32	0.26	0.72	0.21	0.03	0.01	0.83	0.02	0.26	0.13	
Oxidation Reduction Potential	mV	-142	-148.2	-153.3	-153	-162.4	-159.7	-174.4	-105.9	-179.7	-128.7	-117.8	-178.3	-193.1	-38.1	-113.7	-165.2	
pH	su	7.23	7.5	7.29	7.2	7.44	7.45	7.3	7.14	7.33	7.45	7.45	7.34	7.34	7.44	7.43	7.31	
Temperature	deg c	9.7	7.2	6.7	5.7	7.2	10.8	13.1	19.6	14.8	6.5	8.3	17	16.2	6.3	7.8	17.8	
Turbidity	NTU	0.02	0.02	1.91	0.02	0.02	0.02	0.02	0.02	0.02	1.14	0.02	0.02	2.11	2.04	0.02	2.03	
Appendix III																		
Boron	mg/L	1.1	0.83	0.87	0.82	0.80	0.92	1.1 J+	1.1	1.1	0.72	0.76	1.1	1.3	0.82	0.87	1.4	
Calcium	mg/L	130	120	140	170	130	130	58	110	130	120	140	120	120	110	110	150	
Chloride	mg/L	70	66	62	60	88	92	71	70	70	41	77	62	44	29	29	35	
Fluoride	mg/L	0.55	0.26	0.24	0.26	0.21	0.21	0.22	0.23	0.23	0.25	0.27	0.29	0.12	0.22	0.29	0.3	
Sulfate (as SO4)	mg/L	42	78	120	110	85	76	30	19	33	78	62	18	24	38	52	50	
Totalissolved Solids	mg/L	660	660	690	680	760	770	650	570	650	640	840	640	560	510	540	620	
Appendix IV																		
Antimony	mg/L	0.000096 J	0.000054 J	0.000066 J	0.000062 J	0.00016 J	< 0.00010 U	0.00011 J	0.00014 J	< 0.0001 U	< 0.00010 U	< 0.00010 U	0.00010 J	0.00012 J	0.00012 J	< 0.00010 U	< 0.00010 U	
Arsenic	mg/L	0.0015	0.0012	0.0012	0.0012	0.0013	0.0015	0.0016 J+	0.0017	0.0017	0.0011	0.0013	0.0018	0.0019	0.0010	0.0011	0.0019	
Barium	mg/L	0.94	0.61	0.47	0.37	0.31	0.42	0.43	0.49	0.53	0.42	0.45	0.46	0.82	0.48	0.46	0.67	
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	0.000059 J	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	
Chromium, Total	mg/L	0.00019 J	< 0.00018 U	0.00025	0.00029	0.00021 J	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.0002 U	0.00022 J	0.00026	0.00021 J	0.00022 J	< 0.00020 U	< 0.00020 U	< 0.00020 U	
Cobalt	mg/L	0.0013	0.0013	0.0016	0.0016	0.0014	0.0013	0.0014 J+	0.0011	0.00095	0.0011	0.0011	0.00089	0.0010	0.00069	0.00080	0.00091	
Fluoride	mg/L	0.55	0.26	0.24	0.26	0.21	0.21	0.22	0.23	0.23	0.25	0.27	0.29	0.12	0.22	0.29	0.3	
Lead	mg/L	0.0023	0.0016	0.0016	0.0016	0.0028	0.0023	0.0028 J+	0.0023	0.0018	0.0013	0.0014	0.0020	0.0017	0.0018	0.0012	0.0022	
Lithium	mg/L	0.074	0.065	0.049	0.055	0.060	0.062	0.083	0.079	0.071	0.029	0.053	0.064	0.058	0.035	0.034	0.062	
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.0000051	0.0000053	
Molybdenum	mg/L	0.0041	0.0039	0.0041	0.0038	0.0036	0.0048	0.0048 J+	0.0051	0.0047	0.0045	0.0033	0.0048	0.0058	0.0052	0.0035	0.0040	
Radium 226 and 228	pCi/L	1.47	0.822 J+	< 0.499 U	< 0.536 U	0.591	< 0.59 U	< 0.467 U	1.08	< 0.581 U	< 0.894 U	1.31	< 0.58 U	1	--	0.847	0.486	
Radium-226	pCi/L	< 0.153 U	0.198	0.134	0.161	< 0.166 U	0.193	< 0.122 U	0.118	< 0.19 U	0.195	< 0.141 U	0.152	0.227	--	< 0.326 U	< 0.306 U	
Radium-228	pCi/L	1.32	0.624 J+	< 0.499 U	< 0.536 U	0.541	< 0.59 U	< 0.467 U	0.958	< 0.581 U	< 0.894 U	1.18	< 0.58 U	0.775	--	0.746	< 0.479 U	
Selenium	mg/L	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	0.00013 J	0.00011 J+	0.00010 J	0.00011 J	0.00026 J	0.00013 J	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	0.00011 J	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	
Total Suspended Solids	mg/L	40	42	33	37	44	42	37	37	38	33	43	34	38	26	29	41	
Michigan CCR Part 115																		
Copper	mg/L	0.00034	0.00023 J	0.00023 J	< 0.00020 U	0.00024 J	0.00029	0.00036 B	0.00053	0.00025	0.00040	0.00034	0.00053	0.00082	< 0.00020 U	0.00020 J	0.00025	
Iron	mg/L	21	19	18	19	21	22	18	16	20	18	22	16	18	14	14	19	
Nickel	mg/L	0.0091	0.0091	0.0095	0.0099	0.0092	0.0094	0.0098	0.0078	0.0066	0.0061	0.0077	0.0080	0.0067	0.0045	0.0063	0.0084	
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00028 U	
Zinc	mg/L	0.071	0.024	0.028	0.029	0.060	0.028	0.030	0.025	0.024	0.016	0.024	0.020	0.056	0.015	0.013	0.058	
Additional Parameters																		
Bicarbonate Alkalinity	mg/L	540	470	470	460	520	540	470	460	560	460	570	470	500	430	440	460	
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	
Magnesium	mg/L	57	53	52	56	57	62	47	48	53	45	55	41	41	36	37	40	
Potassium	mg/L	13	13	11	12	13	12	13	13	12	8.5	11	10	9.1	6.9	6.9	7.0	
Sodium	mg/L	65	59	57	56	63	79	67	57	61	48	80	57	47	43	41	37	
Total Alkalinity	mg/L	540	470	470	460	520	540	470	460	560	460	570	470	500	430	440	460	

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

Sample Location:		MW-20	MW-20
Compliance Phase:		AM	AM
Sample Date:		10/22/2025	2/19/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	0.99	1.07
Dissolved Oxygen	mg/L	0.12	0.14
Oxidation Reduction Potential	mV	-124.4	-135.1
pH	su	7.21	7.35
Temperature	deg c	15.6	7.1
Turbidity	NTU	7.33	0.02
Appendix III			
Boron	mg/L	1.4	1.0 B
Calcium	mg/L	150	130
Chloride	mg/L	33	23
Fluoride	mg/L	0.25	0.25
Sulfate (as SO4)	mg/L	88	41
Totalissolved Solids	mg/L	660	340
Appendix IV			
Antimony	mg/L	0.00065	< 0.00010 U
Arsenic	mg/L	0.0015	0.0011
Barium	mg/L	0.54	0.31
Beryllium	mg/L	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	0.00039	< 0.000075 U
Chromium, Total	mg/L	< 0.00020 U	0.0019
Cobalt	mg/L	0.0018	0.0011
Fluoride	mg/L	0.25	0.25
Lead	mg/L	0.0078	0.0022
Lithium	mg/L	0.052	0.039
Mercury	mg/L	0.0000019	0.000011
Molybdenum	mg/L	0.0046	0.0031
Radium 226 and 228	pCi/L	< 1.18 U	0.652
Radium-226	pCi/L	< 0.435 U	0.151
Radium-228	pCi/L	< 1.18 UG	< 0.612 U
Selenium	mg/L	0.00043 J	0.00010 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	24	4.1
Michigan CCR Part 115			
Copper	mg/L	0.0033	0.00057
Iron	mg/L	12	15
Nickel	mg/L	0.034	0.0098
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00028 U	< 0.00028 U
Zinc	mg/L	0.11	0.044
Additional Parameters			
Bicarbonate Alkalinity	mg/L	480	460
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	43	40
Potassium	mg/L	7.7	6.4
Sodium	mg/L	45	38
Total Alkalinity	mg/L	480	460

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/30/2022	1/5/2023	2/7/2023	3/13/2023	4/18/2023	5/22/2023	6/27/2023	8/7/2023	10/23/2023	2/13/2024	4/8/2024	7/18/2024	10/17/2024	2/27/2025	4/21/2025	4/22/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	2.46	2.01	1.651	1.047	1.04	1.65	2.5	2.57	2.99	1.65	1.06	2.79	3.47	2.32	0.955	0.955
Dissolved Oxygen	mg/L	1.35	0.17	0.24	0.93	0.07	0.19	0.04	0.23	0.05	1.64	0.12	0.03	0.24	1.5	0.29	0.29
Oxidation Reduction Potential	mV	-87.3	-137.6	-79.1	-134.3	-52.1	-80.9	-89	-104.5	-191.3	-62.8	-140.2	-129.9	-80.3	155.8	-46.2	-46.2
pH	su	6.86	6.92	6.81	6.95	6.81	6.77	6.86	6.78	6.77	6.93	6.99	6.87	6.66	6.79	6.89	6.89
Temperature	deg c	8.7	6.7	5	4.5	7.2	11.7	16.5	20.8	15.2	5.6	7.5	19.6	16.9	4	7.6	7.6
Turbidity	NTU	0.02	0.73	1.33	0.02	4.08	3.32	3.55	8.15	9.71	3.01	2.31	7.9	9.44	6.08	1.77	1.77
Appendix III																	
Boron	mg/L	0.31	0.17	0.16	0.14	0.14	0.20	0.45 J+	0.44	0.32	0.16	0.18	0.44	0.5	0.21	0.27	--
Calcium	mg/L	200	180	180	180	100	130	180	150	190	160	130	170	170	210	130	--
Chloride	mg/L	120	84	69	60	38	52	110	100	110	44	17	89	120	97	86	--
Fluoride	mg/L	0.37	0.29	0.31	0.41	0.42	0.35	0.36	0.41	0.43	0.4	0.71	0.48	0.23	0.25	0.44	--
Sulfate (as SO4)	mg/L	6.8	41	58	47	14	1.8 J	0.56 JD	3	2.4 JD	72	41	2.3 JD	1.4 JD	40	27	--
Totalissolved Solids	mg/L	920	710	790	620	460	590	790	690	870	1300	560	890	910	900	640	--
Appendix IV																	
Antimony	mg/L	0.00013 J	0.000075 J	0.000099 J	0.000060 J	0.00028	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.0001 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	0.00010 J	0.00012 J	< 0.00010 U	--
Arsenic	mg/L	0.00086	0.00070	0.00069	0.00069	0.00095	0.00096	0.0010 J+	0.0012	0.0011	0.00082	0.0012	0.0011	0.0012	0.00070	0.0011	--
Barium	mg/L	0.21	0.17	0.16	0.12	0.074	0.15	0.25	0.25	0.31	0.16	0.10	0.28	0.32	0.25	0.14	--
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	--
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	--
Chromium, Total	mg/L	0.018	0.016	0.0097	0.0099	0.0083	0.025	0.027	0.034	0.028	0.0090	0.0073	0.033	0.050	0.014	0.011	--
Cobalt	mg/L	0.00063	0.00056	0.00052	0.00043 J	0.00024 J	0.00063	0.00092 J+	0.00083	0.00075	0.00037 J	0.00016 J	0.00074	0.0011	0.00046 J	0.00035 J	--
Fluoride	mg/L	0.37	0.29	0.31	0.41	0.42	0.35	0.36	0.41	0.43	0.4	0.71	0.48	0.23	0.25	0.44	--
Lead	mg/L	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00010 U	< 0.00010 UJ	< 0.00010 U	< 0.0001 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	--
Lithium	mg/L	0.0086	0.0088	0.0067	0.0073	0.0075	0.0073	0.017	0.0093	0.0099	0.0050	0.0058	0.0099	0.0092	0.0058	0.0055	--
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	--	< 0.00000016 U
Molybdenum	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00041 J	< 0.00025 UJ	< 0.00025 U	< 0.00025 U	< 0.00025 U	< 0.00025 U	< 0.00025 U	0.00026 J	< 0.00025 U	< 0.00025 U	--
Radium 226 and 228	pCi/L	0.823	< 0.639 UJ	< 0.729 U	< 0.889 U	1.15	1.61	0.84	1.76	< 0.857 U	< 0.774 U	1.25	0.876	< 1.24 U	--	1.07	--
Radium-226	pCi/L	0.367	0.23	< 0.127 U	< 0.197 U	< 0.171 U	< 0.325 U	0.458	0.477	0.464	0.22	0.549	0.429	0.34	--	< 0.559 U	--
Radium-228	pCi/L	< 0.679 U	< 0.639 UJ	< 0.729 U	< 0.889 U	1.03	1.47 J	< 0.578 U	1.28	< 0.857 U	< 0.774 U	< 0.85 U	< 0.709 U	< 1.24 UG	--	0.826	--
Selenium	mg/L	0.00023 J	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	0.00016 J	0.00021 J+	0.00022 J	0.0002 J	0.00053	0.00014 J	0.00027 J	0.00032 J	0.00024 J	0.00020 J	--
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	--
Total Suspended Solids	mg/L	34	27	22	14	5.0	11	19	11	22	23	9.0	6.0	26	20	13	--
Michigan CCR Part 115																	
Copper	mg/L	0.00030	< 0.00020 U	0.0016	< 0.00020 U	0.00022 J	0.00032	< 0.00020 U	0.00023 J	0.00024 J	< 0.00020 U	0.00039	< 0.00020 U	0.00022 J	< 0.00020 U	0.00037	--
Iron	mg/L	13	11	11	8.3	5.5	7.6	9.4	8.0	11	9.9	7.7	8.4	8.1	11	6.4	--
Nickel	mg/L	0.00077 J	0.0010 J	0.0010 J	0.00077 J	< 0.00065 U	0.00087 J	0.00067 J	0.00075 J	< 0.00065 U	0.00076 J	0.00073 J	< 0.00065 U	0.00094 J	0.00081 J	0.00089 J	--
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	--
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00082 J	0.00093 J	< 0.00062 U	< 0.00062 U	0.00071 J	0.0018	0.0024	0.0010 J	0.0011 J	--
Zinc	mg/L	0.0096	< 0.0012 U	0.0016	< 0.0012 U	0.0079	0.0013	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	0.012	< 0.0012 U	< 0.0012 U	--
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	1200	880	800	590	480	770	1100	1100	1400	790	520	1300	1700	1100	650	--
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	--
Magnesium	mg/L	45	45	47	44	26	31	33	35	40	55	39	45	44	52	39	--
Potassium	mg/L	7.6	7.3	6.2	5.8	4.1	6.5	11	12	11	4.9	3.5	9.8	11	8.0	5.1	--
Sodium	mg/L	92	68	59	61	41	52	75	80	82	59	41	72	82	99	69	--
Total Alkalinity	mg/L	1200	880	800	590	480	770	1100	1100	1400	790	520	1300	1700	1100	650	--

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-27	MW-27	MW-27
Compliance Phase:		AM	AM	AM
Sample Date:		8/12/2025	10/23/2025	2/17/2026
Sample Type:		Field Sample	Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater
Constituent	**Unit**			
Field Parameters				
Conductivity	mS/cm	3.36	3.31	2.03
Dissolved Oxygen	mg/L	0.18	0.04	0.29
Oxidation Reduction Potential	mV	-53	-101.9	-133.1
pH	su	6.82	6.83	6.89
Temperature	deg c	20.3	16.3	5.5
Turbidity	NTU	1.72	7.75	0.02
Appendix III				
Boron	mg/L	0.54	0.54	0.25
Calcium	mg/L	170	190	160
Chloride	mg/L	120	120	130
Fluoride	mg/L	0.58	0.55	0.39
Sulfate (as SO4)	mg/L	1.0 JD	2.9 JD	86
Totalissolved Solids	mg/L	900	930	860
Appendix IV				
Antimony	mg/L	< 0.00010 U	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.0013	0.0012	0.00082
Barium	mg/L	0.31	0.34	0.18
Beryllium	mg/L	< 0.000052 U	0.000058 J	0.000072 J
Cadmium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.041	0.059	0.014
Cobalt	mg/L	0.00096	0.0014	0.00045 J
Fluoride	mg/L	0.58	0.55	0.39
Lead	mg/L	< 0.00010 U	0.00012 J	0.00043 J
Lithium	mg/L	0.0093	0.0086	0.0053
Mercury	mg/L	0.00000057	< 0.00000016 U	0.00000062
Molybdenum	mg/L	< 0.00025 U	0.00058 J	0.00057 J
Radium 226 and 228	pCi/L	2.24	1.6	< 1.01 U
Radium-226	pCi/L	0.545	0.396	< 0.2 U
Radium-228	pCi/L	1.7	1.2	< 1.01 UG
Selenium	mg/L	0.00029 J	0.00029 J	0.00018 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	11	4.2	11
Michigan CCR Part 115				
Copper	mg/L	0.00020 J	0.00024 J	0.0012
Iron	mg/L	8.1	7.4	6.0
Nickel	mg/L	0.00084 J	0.00098 J	0.00081 J
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.0020	0.0023	0.00097 J
Zinc	mg/L	0.0027	0.00058 J	0.019
Additional Parameters				
Bicarbonate Alkalinity	mg/L	1500	1700	840
Carbonate Alkalinity	mg/L	< 0.31 U	< 0.16 U	< 0.16 U
Magnesium	mg/L	45	44	51
Potassium	mg/L	12	12	5.5
Sodium	mg/L	90	90	91
Total Alkalinity	mg/L	1500	1700	840

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-28	MW-28	MW-28	MW-28	MW-28	MW-28	MW-28	MW-28
Compliance Phase:		AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		4/7/2024	7/18/2024	10/17/2024	2/27/2025	4/21/2025	8/14/2025	10/23/2025	2/18/2026
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**								
Field Parameters									
Conductivity	mS/cm	1.18	1.46	1.22	1.83	1.005	1.56	1.36	0.89
Dissolved Oxygen	mg/L	0.08	0.01	0.17	0.16	0.29	0.07	0.2	0.13
Oxidation Reduction Potential	mV	-118.7	-158.8	-133.4	-32	-53.5	-121.5	-143.3	-22.8
pH	su	7.02	6.94	6.84	6.9	6.98	6.89	6.97	6.63
Temperature	deg c	8.1	16.8	16	6.3	7.4	18.3	16	5.3
Turbidity	NTU	3.17	4.11	0.02	6.58	1.57	3.78	6.05	6.65
Appendix III									
Boron	mg/L	2.2	6.1	3.8	2.7	2.0	5.6	5.1	0.34
Calcium	mg/L	170	160	180	230	160	210	170	120
Chloride	mg/L	18	67	170	240	180	170	160	41
Fluoride	mg/L	0.9	1.5	1.4	0.94	0.97	1.4	2	0.4
Sulfate (as SO4)	mg/L	11	< 2.2 U	< 1.1 U	41	57	0.67 JD	0.65 JD	45
Totalissolved Solids	mg/L	610	690	920	1100	900	920	820	480
Appendix IV									
Antimony	mg/L	0.00028	0.00016 J	0.00020 J	0.00073	0.00036	0.00018 J	0.00014 J	0.0021
Arsenic	mg/L	0.0011	0.0014	0.0019	0.0020	0.0014	0.0038	0.0011	0.00076
Barium	mg/L	0.34	0.70	0.76	0.75	0.42	0.75	0.75	0.15
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	0.000091 J	0.000080 J	< 0.000075 U	< 0.000075 U	0.0037
Chromium, Total	mg/L	0.017	0.0092	0.015	0.0075	0.0078	0.0093	0.0044	0.0018
Cobalt	mg/L	0.00064	0.00046 J	0.00041 J	0.0020	0.0031	0.0013	0.00024 J	0.0026
Fluoride	mg/L	0.9	1.5	1.4	0.94	0.97	1.4	2	0.4
Lead	mg/L	0.0011	0.0013	0.00088	0.0052	0.0015	0.0041	0.00034 J	0.0076
Lithium	mg/L	0.050	0.15	0.12	0.084	0.054	0.13	0.15	0.0046
Mercury	mg/L	0.00024	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.0000075	0.0000041	0.00000055	0.000037
Molybdenum	mg/L	0.00087 J	0.00054 J	0.0020	0.0027	0.0020	0.0021	0.0087	0.0044
Radium 226 and 228	pCi/L	0.909	1.29	1.27	--	< 0.964 U	1.93	1.3	0.977
Radium-226	pCi/L	0.282	0.273	< 0.218 U	--	< 0.416 U	0.408	< 0.463 U	< 0.162 U
Radium-228	pCi/L	< 0.842 U	1.02	1.06	--	< 0.964 U	1.52	< 1.26 UG	0.925
Selenium	mg/L	0.00032 J	0.00024 J	0.00028 J	0.00029 J	0.00028 J	0.00026 J	0.00030 J	0.0017
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	44	86	120	75	66	110	98	< 4.0 U
Michigan CCR Part 115									
Copper	mg/L	0.00052	0.00090	0.00037	0.0013	0.0015	0.00055	< 0.00020 U	0.0098
Iron	mg/L	30	37	47	43	26	47	39	1.5
Nickel	mg/L	0.0036	0.00072 J	0.0024	0.0073	0.0073	0.0017	0.00046 J	0.0058
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00063 J	0.00074 J	0.00080 J	< 0.00062 U	< 0.00062 U	0.00071 J	0.00050 J	0.00063 J
Zinc	mg/L	0.0090	0.0067	0.031	0.083	0.11	0.047	0.0014	0.28
Additional Parameters									
Bicarbonate Alkalinity	mg/L	560	600	590	550	480	590	510	320
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U
Magnesium	mg/L	27	27	33	39	29	28	32	29
Potassium	mg/L	12	13	14	13	10	14	12	4.1
Sodium	mg/L	29	66	51	80	65	74	82	21
Total Alkalinity	mg/L	560	600	590	550	480	590	510	320

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-30	MW-30	MW-30	MW-30	MW-30	MW-30	MW-30	MW-30	MW-30	MW-30	MW-30	MW-30	MW-30	MW-30	MW-30	MW-30
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/30/2022	1/3/2023	2/6/2023	3/13/2023	4/18/2023	5/22/2023	6/27/2023	8/8/2023	10/23/2023	2/12/2024	4/7/2024	7/18/2024	10/16/2024	2/25/2025	4/20/2025	8/11/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	2.26	3.18	3.025	2.273	2.73	2.66	2.85	2.67	2.21	2.68	2.61	2.93	3.06	5.15	3.38	4.41
Dissolved Oxygen	mg/L	0.12	0.39	0.04	0.35	0.29	0.05	0.01	0.12	0.41	0.14	0.03	0	0.06	0.01	0.26	0.1
Oxidation Reduction Potential	mV	-55.7	-281.2	-134.9	-148.7	-151.8	-86.8	-105.6	-92.7	-301.7	-73.8	-71.3	-198.6	-313.1	-21.4	-29.4	-192.5
pH	su	7.07	6.48	7.16	7.25	7.17	7.16	7.21	6.94	7.05	7.18	7.15	7.06	7.02	6.82	7.02	6.96
Temperature	deg c	10.1	7.2	6.4	4.8	6.6	10.7	13.6	17	15	6.2	7.3	16.9	16	5.7	7.4	18.3
Turbidity	NTU	0.02	0.02	1.21	0.02	0.02	0.5	0.02	0.02	0.02	0.02	0.02	0.92	0.02	1.15	0.02	0.02
Appendix III																	
Boron	mg/L	2.2	1.7	2.1	3.5	1.7	1.9	1.9 J+	1.8	2.1	1.9	1.6	1.9	1.9	1.4	1.8	2.0
Calcium	mg/L	470	460 E	480	960	430	430	460	400	390	440	470	500	440	700	710	610
Chloride	mg/L	190	190	190	140	120	98	110	98	97	110J+	82	190	430	1200	1100	1100
Fluoride	mg/L	1.0	1.4	1.0	1.2	1.1	1.1	0.91	1.1	1.2	1.1	1.2	1.1	1.2	0.57	1.1	1.2
Sulfate (as SO4)	mg/L	780	1000	830	940	970	850	940	860	610	820	980	960	440	980	1000	840
Totalissolved Solids	mg/L	2200 J	2400	2000	2300	2200	2100	2800 J	2300	1800	2100	2200	2300	2200	4000	4000	4300
Appendix IV																	
Antimony	mg/L	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	0.00040 J	< 0.00050 U	< 0.00050 U	< 0.00010 U	< 0.0001 U	< 0.00050 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	0.00065 JD	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.00046 J	0.00070	< 0.00050 U	0.00039 J	< 0.00010 U	0.00012 J	0.00027 J+	0.00043 J	0.00063	0.00021 J-	0.00044 J	0.00058	0.00097	0.0022 JD	0.0030	0.0011
Barium	mg/L	0.10	0.089	0.10	0.045	0.047	0.058	0.066	0.048	0.058	0.067 J-	0.051	0.041	0.079	0.098	0.071	0.062 J+
Beryllium	mg/L	< 0.000052 U	0.000053 J	< 0.00026 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	0.00011 J+	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.00026 U	< 0.000052 U	0.000062 J
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	< 0.00016 U	< 0.000032 U	< 0.00016 U	< 0.00038 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.014	0.012	0.0087	0.010	0.0058	0.0052	0.012	0.013	0.0081	0.0049 J-	0.0075	0.010	0.012	0.0031	0.0065	0.0080
Cobalt	mg/L	0.00091	0.0044	0.00096 J	0.0028	0.0011	0.00054	0.0013 J+	0.0011	0.00053	0.0011	0.0015	0.00077	0.00047 J	0.046	0.0021	0.00047 J
Fluoride	mg/L	1.0	1.4	1.0	1.2	1.1	1.1	0.91	1.1	1.2	1.1	1.2	1.1	1.2	0.57	1.1	1.2
Lead	mg/L	< 0.00022 U	< 0.00022 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.00050 U	< 0.00050 UJ	< 0.00050 U	< 0.0001 U	< 0.00050 UJD	< 0.00010 U	< 0.00050 U	0.0017 JD	< 0.00050 U	< 0.00050 U	< 0.00050 U
Lithium	mg/L	0.13	0.15	0.12	0.27	0.11	0.11	0.12	0.14	0.12	0.1	0.11	0.13	0.12	0.16	0.19	0.18
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.00039	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00000016 U
Molybdenum	mg/L	< 0.00062 U	0.0036	< 0.0031 U	0.0017	< 0.0031 U	0.00032 J	0.00082 J+	0.0011 J	0.00061 J	0.00073 J+	0.0013	0.00089 J	0.00051 J	0.019	0.0037	0.0012
Radium 226 and 228	pCi/L	< 0.873 UJ	0.445 J	< 0.624 UJ	< 0.659 U	0.875	< 0.783 U	0.586 J+	0.911	< 0.526 U	0.793 J+	< 0.559 U	0.68	< 1.12 U	1.05	< 0.695 U	1.43
Radium-226	pCi/L	< 0.238 UJ	0.139 J	< 0.0915 UJ	< 0.2 U	< 0.141 U	< 0.194 U	0.0986 J+	< 0.163 UJ	< 0.228 U	< 0.117 UJ	0.133	0.199	< 0.219 U	0.53	< 0.149 U	0.381
Radium-228	pCi/L	< 0.873 UJ	< 0.443 UJ	< 0.624 UJ	< 0.659 U	0.844	< 0.783 U	< 0.566 UJ	0.82	< 0.526 U	0.721 J+	< 0.559 U	< 0.537 U	< 1.12 UG	0.52	< 0.695 U	1.05
Selenium	mg/L	< 0.00022 U	< 0.00022 U	< 0.0011 U	< 0.00022 U	< 0.00022 U	< 0.00010 U	0.00011 J+	0.00012 J	0.00013 J	0.00039 J-	0.00010 J	0.00017 J	0.00024 J	< 0.00050 U	0.00014 J	0.00013 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.00038 U	< 0.00038 U	< 0.00038 UJ	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.00038 U	< 0.000075 U	< 0.00038 U
Total Suspended Solids	mg/L	4.0	11	< 4.0 UJ	5.0	6.0	4.0	< 4.0 U	5.0	4	< 4.0 U	5.1	18	8.0	8.0	38	15
Michigan CCR Part 115																	
Copper	mg/L	< 0.00020 U	0.00037 J+	< 0.0010 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	0.00054	0.00024 J-	0.00028	< 0.00020 U	< 0.00020 U	< 0.0010 U	0.00020 J	< 0.00020 U
Iron	mg/L	0.87	3.6	0.99	8.8	4.1	2.4	2.9	2.9	1.4	2	4.9	5.9	2.1	2.5	17	4.5
Nickel	mg/L	0.00080 J	0.0045	< 0.0032 U	0.0041	0.0018	0.00070 J	0.0021	0.0011 J	< 0.00065 U	0.0018 J-	0.0019	0.0017	< 0.00065 U	0.11	0.0053	0.0013
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	< 0.00025 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.0031 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 UJ	< 0.00062 U	< 0.0031 U	< 0.00062 U	0.00047 J
Zinc	mg/L	0.0053	< 0.0012 U	< 0.0059 U	< 0.0012 U	0.0049	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 UJ	< 0.0012 U	< 0.0012 U	0.0033	0.1	0.0027	0.0011 J
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	930	760	880	660	630	640	< 0.16 U	690	780	690	570	630	770	550	540	660
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Magnesium	mg/L	110	120	120	250	120	110	120	100	95	110	120	110	99	190	180	150
Potassium	mg/L	12	15	16	17	12	9.6	11	13	10	10	8.9	11	11	18	18	19
Sodium	mg/L	120	110	120	220	98	95	95	88	82	89	73	82	120	330	400	330
Total Alkalinity	mg/L	930	760	880	660	630	640	< 0.16 U	690	780	690	570	630	770	550	540	660

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-30	MW-30
Compliance Phase:		AM	AM
Sample Date:		10/21/2025	2/16/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	4.24	4.61
Dissolved Oxygen	mg/L	0.06	0.1
Oxidation Reduction Potential	mV	-245.8	-240.3
pH	su	7.03	7.19
Temperature	deg c	15.8	6.1
Turbidity	NTU	0.59	0.02
Appendix III			
Boron	mg/L	1.5	2.0
Calcium	mg/L	62	560
Chloride	mg/L	1000	890
Fluoride	mg/L	0.83	1
Sulfate (as SO4)	mg/L	580	620
Totalissolved Solids	mg/L	3200	3000
Appendix IV			
Antimony	mg/L	0.0012	0.00048
Arsenic	mg/L	0.0080	0.0020
Barium	mg/L	0.074	0.11
Beryllium	mg/L	0.000069 J	< 0.000052 U
Cadmium	mg/L	0.00032	< 0.000075 U
Chromium, Total	mg/L	0.023	0.0056
Cobalt	mg/L	0.00094	0.0055
Fluoride	mg/L	0.83	1
Lead	mg/L	0.058	< 0.00050 U
Lithium	mg/L	0.086	0.16
Mercury	mg/L	< 0.00000016 U	0.00000023 J
Molybdenum	mg/L	0.032	0.0013
Radium 226 and 228	pCi/L	< 0.769 U	< 0.911 U
Radium-226	pCi/L	< 0.241 U	< 0.146 U
Radium-228	pCi/L	< 0.769 U	< 0.911 U
Selenium	mg/L	0.0015	0.00020 J
Thallium	mg/L	< 0.000075 U	< 0.00038 U
Total Suspended Solids	mg/L	5.1	7.4
Michigan CCR Part 115			
Copper	mg/L	0.013	< 0.00020 U
Iron	mg/L	1.2	0.96
Nickel	mg/L	0.012	0.0075
Silver	mg/L	0.00012	< 0.000050 U
Vanadium	mg/L	0.024	0.00042 J
Zinc	mg/L	0.027	0.073
Additional Parameters			
Bicarbonate Alkalinity	mg/L	740	750
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	5.4	140
Potassium	mg/L	74	16
Sodium	mg/L	81	310
Total Alkalinity	mg/L	740	750

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-31	MW-31	MW-31	MW-31	MW-31	MW-31	MW-31	MW-31	MW-31	MW-31	MW-31	MW-31	MW-31	MW-31	MW-31	MW-31
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		12/1/2022	1/4/2023	2/7/2023	3/14/2023	4/18/2023	5/22/2023	6/27/2023	8/8/2023	10/23/2023	2/12/2024	4/8/2024	7/17/2024	7/18/2024	10/15/2024	2/25/2025	4/20/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	1.35	1.4	1.327	1.23	1.28	1.21	1.24	1.41	1.23	1.1	1.26	1.32	1.32	1.26	1.15	0.996
Dissolved Oxygen	mg/L	1.65	0.09	0.21	0.11	0.11	0.09	1.39	0.05	0.15	0.05	0.04	0.23	0.23	0.66	0.2	0.14
Oxidation Reduction Potential	mV	-150	-262.2	-129.3	-214.9	-274.4	-220	-113.9	-55.8	-82.4	149.7	-130.1	-117.3	-117.3	-73	-41.8	-105
pH	su	7.84	7.7	7.85	7.76	7.87	7.85	8	7.78	7.67	7.8	8.01	7.74	7.74	7.82	8.02	7.73
Temperature	deg c	8.7	7.6	6.3	4	6.5	13.2	14.4	17.8	14.9	7	10.2	19	19	14.1	6.3	10.4
Turbidity	NTU	2.61	0.02	1.27	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.97	0.02
Appendix III																	
Boron	mg/L	4.8	3.8	4.2	4.0	3.6	4.5	5.4 J+	4.8	5.1	4.4	4.5	5.4	--	5.8	4.5	4.4
Calcium	mg/L	180	190	170	200	170	160	130	150	170	170	200	170	--	150	150	200
Chloride	mg/L	120	100	110	97	94	92	110	110	100	99J+	87	--	100	110	110	100
Fluoride	mg/L	4.6	4.9	4.7	4.6	5.1	5.2	4.7	5.1	4.6	4.5	4.7	--	4.7	4.5	4.1	4.5
Sulfate (as SO4)	mg/L	180	250	200	250	250	160	120	100	72	150	170	--	120	45	71	240
Totalissolved Solids	mg/L	850	940 J	780	860	810	760	760	860	730	810	810	--	780	730	740	960
Appendix IV																	
Antimony	mg/L	0.000069 J	< 0.000050 U	0.000080 J	0.00012 J	0.00013 J	< 0.00010 U	< 0.00010 U	0.00012 J	< 0.0001 U	< 0.00010 U	< 0.00010 U	0.00038	--	0.00039	0.00069	< 0.00010 U
Arsenic	mg/L	0.0018	0.0013	0.0012	0.0010	0.0011	0.0014	0.0016 J+	0.0016	0.0012	0.0010	0.0012	0.0012	--	0.00095	0.0012	0.00073
Barium	mg/L	0.21	0.14	0.19	0.15	0.12	0.13	0.23	0.16	0.16	0.13	0.13	0.18	--	0.29	0.20	0.099
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	0.000054 J	< 0.000052 U	< 0.000052 U	--	0.000096 J	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	0.000084 J	< 0.000075 U	< 0.000075 U	--	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.0021	0.0018	0.0024	0.0019	0.0019	0.0029	0.0023	0.0023	0.0025	0.0022	0.0017	0.0029	--	0.0041	0.0020	0.0031
Cobalt	mg/L	0.00015 J	0.00015 J	0.00020 J	0.00018 J	0.00016 J	0.00021 J	0.00018 J+	0.00018 J	0.00013 J	0.00028 J	< 0.00010 U	0.00010 J	--	0.00036 J	< 0.00010 U	< 0.00010 U
Fluoride	mg/L	4.6	4.9	4.7	4.6	5.1	5.2	4.7	5.1	4.6	4.5	4.7	--	4.7	4.5	4.1	4.5
Lead	mg/L	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	0.00031 J	< 0.00010 UJ	< 0.00010 U	< 0.0001 U	< 0.00010 U	< 0.00010 U	0.00025 J	--	< 0.00010 U	< 0.00010 U	< 0.00010 U
Lithium	mg/L	0.052	0.048	0.052	0.054	0.046	0.053	0.056	0.054	0.049	0.039	0.039	0.052	--	0.063	0.043	0.030
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	--	< 0.00016 U	< 0.00016 U	0.00000071
Molybdenum	mg/L	0.0021	0.0013	0.0013	0.0011 J	0.0011 J	0.0012	0.0018 J+	0.0011 J	0.0013	0.0011 J	0.00052 J	0.00083 J	--	0.0011 J	0.0015	0.00040 J
Radium 226 and 228	pCi/L	0.753	< 0.641 U	0.717	< 0.725 U	0.592	1.14	0.58	1.23	< 0.497 U	1.01	0.754	0.991	--	< 0.736 U	< 0.56 U	< 0.644 U
Radium-226	pCi/L	0.187	0.203	0.187	< 0.189 U	0.254	0.184	0.27	0.262 J+	< 0.208 U	0.171	0.345	0.274	--	0.27	< 0.24 U	< 0.14 U
Radium-228	pCi/L	0.566	< 0.641 U	0.53	< 0.725 U	< 0.527 U	0.959	< 0.489 U	0.97	< 0.497 U	0.842	< 0.502 U	0.717	--	< 0.736 U	< 0.56 U	< 0.644 U
Selenium	mg/L	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	0.00011 J	0.00012 J+	0.00015 J	0.00014 J	0.00074	0.00013 J	0.00016 J	--	0.00010 J	< 0.00010 U	0.00012 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	0.000088 J	< 0.000075 U	< 0.000075 U	--	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	2.0 J	4.0	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	1.0 J	< 4 U	< 4.0 U	< 3.9 U	--	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
Michigan CCR Part 115																	
Copper	mg/L	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	0.00027	< 0.00020 U	< 0.00020 U	< 0.0002 U	0.00023 J	0.00044	0.00029	--	0.00031	< 0.00020 U	< 0.00020 U
Iron	mg/L	2.5	1.4	1.5	1.1	0.77	1.2	0.92	0.21	0.13	0.19	0.12	0.14	--	0.23	0.22	0.15
Nickel	mg/L	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	< 0.00065 U	0.0023	< 0.00065 U	0.0021	--	0.0027	0.023	0.0014
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	--	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00064 J	--	0.00083 J	< 0.00062 U	0.00076 J
Zinc	mg/L	0.0082	< 0.0012 U	< 0.0012 U	< 0.0012 U	0.010	0.0014	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	--	0.010	0.013	0.0016
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	410	340	350	320	290	320	340	410	440	340	350	--	410	450	410	410
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	--	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Magnesium	mg/L	37	36	38	42	36	33	34	38	35	36	38	38	--	38	37	37
Potassium	mg/L	9.9	11	11	11	10	9.9	12	12	11	9.6	10	12	--	11	9.6	9.9
Sodium	mg/L	60	46	51	48	50	53	64	56	56	54	53	54	--	61	57	51
Total Alkalinity	mg/L	410	340	350	320	290	320	340	410	440	340	350	--	410	450	410	410

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-31	MW-31	MW-31
Compliance Phase:		AM	AM	AM
Sample Date:		8/12/2025	10/21/2025	2/16/2026
Sample Type:		Field Sample	Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater
Constituent	**Unit**			
Field Parameters				
Conductivity	mS/cm	1.38	1.15	2.14
Dissolved Oxygen	mg/L	2.34	2.01	3.39
Oxidation Reduction Potential	mV	123.2	-43.4	79.8
pH	su	7.8	8.08	7.59
Temperature	deg c	16.2	14.4	7.1
Turbidity	NTU	22.1	12.3	26.9
Appendix III				
Boron	mg/L	6.4	7.0	6.6
Calcium	mg/L	160	130	330
Chloride	mg/L	170	170	120
Fluoride	mg/L	4	3.3	2.8
Sulfate (as SO4)	mg/L	60	19	650
Totalissolved Solids	mg/L	910	770	1500
Appendix IV				
Antimony	mg/L	0.0011	0.00043	0.0011
Arsenic	mg/L	0.0019	0.0015	0.0082
Barium	mg/L	0.25	0.38	0.20
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	0.000090 J
Cadmium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.0018	0.0040	0.0039
Cobalt	mg/L	0.00016 J	0.00022 J	0.0011
Fluoride	mg/L	4	3.3	2.8
Lead	mg/L	0.00025 J	0.00045 J	0.00044 J
Lithium	mg/L	0.051	0.058	0.073
Mercury	mg/L	0.0000017	0.0000014	0.0000027
Molybdenum	mg/L	0.0091	0.0033	0.013
Radium 226 and 228	pCi/L	0.576	< 0.852 U	< 1.1 U
Radium-226	pCi/L	< 0.277 U	< 0.26 U	< 0.16 U
Radium-228	pCi/L	< 0.573 U	< 0.852 U	< 1.1 UG
Selenium	mg/L	0.00024 J	0.00022 J	0.038
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	< 4.0 U	< 4.1 U	24
Michigan CCR Part 115				
Copper	mg/L	0.00033	0.0017	0.0032
Iron	mg/L	0.84	0.39	5.7
Nickel	mg/L	0.24	0.068	0.64
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00045 J	0.00059 J	0.00069 J
Zinc	mg/L	0.0022	0.0018	0.029
Additional Parameters				
Bicarbonate Alkalinity	mg/L	500	450	430
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U
Magnesium	mg/L	51	52	65
Potassium	mg/L	13	12	14
Sodium	mg/L	71	80	68
Total Alkalinity	mg/L	500	450	430

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-32	MW-32	MW-32	MW-32	MW-32	MW-32	MW-32	MW-32	MW-32	MW-32	MW-32	MW-32	MW-32	MW-32	MW-32	MW-32	MW-32
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		11/30/2022	1/4/2023	2/8/2023	3/14/2023	4/18/2023	5/22/2023	6/27/2023	8/8/2023	10/23/2023	2/12/2024	4/7/2024	7/17/2024	10/16/2024	2/25/2025	4/20/2025	8/11/2025	
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
Constituent	**Unit**																	
Field Parameters																		
Conductivity	mS/cm	1.29	1.29	1.258	1.175	1.29	1.2	1.05	0.99	1.14	0.96	1.21	0.99	1.07	1.07	0.758	0.90	
Dissolved Oxygen	mg/L	0.07	0.08	0.08	0.1	0.1	0.33	0.12	0.13	0.29	0.09	0.04	0.18	0.11	0.01	0.11	0.09	
Oxidation Reduction Potential	mV	-184.5	-222.8	-184.7	-188.5	-199.5	-221.7	-209.8	-141.4	-186.3	138.7	-178.6	-196	-197.4	-122.6	-143.2	-211.1	
pH	su	7.69	7.5	7.57	7.53	7.67	7.75	7.65	7.52	7.53	7.64	7.63	7.58	7.59	7.67	7.67	7.57	
Temperature	deg c	10.2	8.3	6.6	6.3	7.4	11.1	13	15.9	14.9	7	8.1	15.6	15.8	7.3	8.5	16.7	
Turbidity	NTU	0.02	0.02	2.17	0.02	0.02	0.02	0.02	0.02	0.02	4.52	0.02	0.02	0.02	5.04	4.21	0.02	
Appendix III																		
Boron	mg/L	3.8	3.0	3.0	2.9	2.6	3.1	3.9 J+	3.7	5	3	3.1	4.0	5.6	3.0	2.8	5.1	
Calcium	mg/L	200	180	190	220	190	190	150	130	150	180	190	140	160	160	160	150	
Chloride	mg/L	47	50	50	50	45	42	41	44	47	39J+	38	42	50	50	46	53	
Fluoride	mg/L	1.5	1.5	1.4	1.6	1.4	1.5	1.4	1.6	1.8	1.5	1.6	1.5	1.9	1.2	1.4	1.5	
Sulfate (as SO4)	mg/L	100	110	54	170	190	140	48	17	17	83	130	9.5	5.9	27	110	6.4	
Totalissolved Solids	mg/L	790	700	730	770	800	790	600	550	640	680	770	560	580	650	690	610	
Appendix IV																		
Antimony	mg/L	0.000067 J	< 0.000050 U	< 0.000050 U	0.000072 J	0.00014 J	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.0001 U	0.00070	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	< 0.00010 U	
Arsenic	mg/L	0.00061	0.00045 J	0.00052 J	0.00047 J	0.00044 J	0.00055	0.00058 J+	0.00062	0.00058	0.0024	0.00046 J	0.00059	0.00064	0.00039 J	0.00042 J	0.00051 J	
Barium	mg/L	0.62	0.60	0.57	0.41	0.29	0.34	0.37	0.41	0.85	0.059	0.57	0.63	1.3	0.97	0.84	1.1	
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	0.000070 J	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	0.00019 J	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	
Chromium, Total	mg/L	0.00046	0.00065	0.00057	0.00055	0.00039	0.00038	0.00032	0.00031	0.00031	0.0030	0.00038	0.00036	0.00050	0.00033	0.00035	0.00035	
Cobalt	mg/L	0.00034 J	0.00036 J	0.00039 J	0.00041 J	0.00031 J	0.00037 J	0.00068 J+	0.00058	0.00038 J	0.0019	0.00021 J	0.00046 J	0.00058	0.00022 J	0.00032 J	0.00052	
Fluoride	mg/L	1.5	1.5	1.4	1.6	1.4	1.5	1.4	1.6	1.8	1.5	1.6	1.5	1.9	1.2	1.4	1.5	
Lead	mg/L	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	0.00012 J	0.00014 J+	< 0.00010 U	< 0.0001 U	0.00038 J	< 0.00010 U	< 0.00010 U	0.00042 J	< 0.00010 U	< 0.00010 U	0.00039 J	
Lithium	mg/L	0.15	0.14	0.12	0.11	0.094	0.10	0.13	0.14	0.19	0.1	0.098	0.13	0.2	0.12	0.094	0.16	
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.0019	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00000016 U	0.0000012
Molybdenum	mg/L	0.0051	0.0043	0.0038	0.0032	0.0034	0.0045	0.0047 J+	0.0046	0.0045	0.0073	0.0034	0.0038	0.0045	0.0025	0.0026	0.0026	
Radium 226 and 228	pCi/L	0.614	< 0.497 U	< 0.601 U	< 0.732 U	0.877	0.847	< 0.607 U	0.985	< 0.589 U	< 0.53 U	< 0.545 U	< 0.57 U	0.732	0 J-	< 0.639 U	1.6	
Radium-226	pCi/L	< 0.184 U	0.219	0.152	< 0.195 U	< 0.164 U	0.206	< 0.0916 U	0.403 J+	< 0.18 U	< 0.156 U	< 0.137 U	0.172	0.172	0 J-	0.217	0.573	
Radium-228	pCi/L	0.492	< 0.497 U	< 0.601 U	< 0.732 U	0.773	0.641	< 0.607 U	< 0.848 U	< 0.589 U	< 0.53 U	< 0.545 U	< 0.57 U	< 0.603 U	-0.04 J-	< 0.639 U	1.02	
Selenium	mg/L	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00010 U	< 0.00010 UJ	< 0.00010 U	< 0.0001 U	0.0010	0.00013 J	< 0.00010 U	0.00014 J	< 0.00010 U	< 0.00010 U	< 0.00010 U	
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	
Total Suspended Solids	mg/L	42	43	39	40	39	31	29	11	23	32	34	23	20	29	36	26	
Michigan CCR Part 115																		
Copper	mg/L	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	< 0.00020 U	0.00020 J	< 0.00020 U	< 0.00020 U	0.00041	0.016	< 0.00020 U	0.00031	0.00035	0.00023 J	< 0.00020 U	0.00030	
Iron	mg/L	20	18	18	19	18	17	15	11	11	17	16	12	13	14	15	15	
Nickel	mg/L	0.0013	0.0016	0.0012	0.0012	0.00096 J	0.00088 J	0.0012	0.00086 J	0.00077 J	0.023	0.00095 J	0.00082 J	0.0010 J	0.00068 J	0.0019	0.00089 J	
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00028 U	
Zinc	mg/L	0.031	0.0022	0.0026	0.0025	0.030	0.0037	0.0026	0.0030	0.0035	0.0049	0.0024	0.0024	0.058	0.068	0.0047	0.0046	
Additional Parameters																		
Bicarbonate Alkalinity	mg/L	560	490	500	450	440	430	440	440	520	440	470	440	510	480	470	500	
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	
Magnesium	mg/L	38	34	35	37	34	34	28	28	30	32	33	26	31	29	28	31	
Potassium	mg/L	13	13	12	11	9.8	9.7	12	13	13	9.1	9.2	11	13	9.2	8.2	12	
Sodium	mg/L	36	29	29	30	27	30	33	32	35	30	28	30	36	29	25	34	
Total Alkalinity	mg/L	560	490	500	450	440	430	440	440	520	440	470	440	510	480	470	500	

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-32	MW-32
Compliance Phase:		AM	AM
Sample Date:		10/21/2025	2/16/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	1.05	1.39
Dissolved Oxygen	mg/L	0.19	0.13
Oxidation Reduction Potential	mV	-191.3	-186.6
pH	su	7.53	7.66
Temperature	deg c	15.2	7.3
Turbidity	NTU	7.07	0.34
Appendix III			
Boron	mg/L	5.7	4.0
Calcium	mg/L	170	230
Chloride	mg/L	61	47
Fluoride	mg/L	1.2	1.1
Sulfate (as SO4)	mg/L	6	240
Totalissolved Solids	mg/L	680	850
Appendix IV			
Antimony	mg/L	< 0.00010 U	< 0.00010 U
Arsenic	mg/L	0.00048 J	0.00038 J
Barium	mg/L	1.4	0.39
Beryllium	mg/L	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	< 0.000075 U	0.00020 J
Chromium, Total	mg/L	0.00040	0.00037
Cobalt	mg/L	0.00051 J	0.00057
Fluoride	mg/L	1.2	1.1
Lead	mg/L	< 0.00010 U	< 0.00010 U
Lithium	mg/L	0.17	0.14
Mercury	mg/L	0.00000064	0.00000034 J
Molybdenum	mg/L	0.0011 J	0.0018
Radium 226 and 228	pCi/L	1.09	0.883
Radium-226	pCi/L	0.339	< 0.112 U
Radium-228	pCi/L	0.749	0.793
Selenium	mg/L	0.00010 J	< 0.00010 U
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	48	59
Michigan CCR Part 115			
Copper	mg/L	< 0.00020 U	< 0.00020 U
Iron	mg/L	21	25
Nickel	mg/L	0.00080 J	0.0027
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00028 U	< 0.00028 U
Zinc	mg/L	0.0034	0.041
Additional Parameters			
Bicarbonate Alkalinity	mg/L	550	470
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	35	37
Potassium	mg/L	13	9.2
Sodium	mg/L	36	31
Total Alkalinity	mg/L	550	470

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-33	MW-33	MW-33	MW-33	MW-33	MW-33	MW-33	MW-33	MW-33	MW-33	MW-33	MW-33	MW-33	MW-33	MW-33	MW-33
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		12/1/2022	1/5/2023	2/8/2023	3/15/2023	4/18/2023	5/22/2023	6/27/2023	8/7/2023	10/23/2023	2/12/2024	4/9/2024	7/18/2024	10/17/2024	2/3/2025	4/19/2025	8/12/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	1.1	0.99	0.949	0.859	0.91	0.92	0.901	0.98	1	0.78	0.85	1.21	1.11	0.716	0.631	1.16
Dissolved Oxygen	mg/L	0.81	1.02	0.75	0.2	0.23	0.06	0.05	0.01	0.02	0.4	0.23	0.01	0.1	0.49	0.26	0.26
Oxidation Reduction Potential	mV	-28.5	-72.8	-61.2	-37.4	-63.6	-86.2	-106.6	-121.9	-107.1	-11.1	-43	-185.9	-16.9	42	-48.4	12.4
pH	su	7.12	6.49	7.14	6.96	7.04	7.02	7.03	6.98	6.86	7.27	7.16	6.95	6.86	7.25	6.8	6.83
Temperature	deg c	8.3	4.8	2.4	3.6	8.8	10.7	13.7	17.2	15.8	7.1	7.5	16.4	16.4	6.8	7.8	17.8
Turbidity	NTU	0.02	0.02	1.17	0.02	3.44	0.55	0.02	1.07	3.25	3.07	4.13	1.49	2.13	1.72	0.02	0.02
Appendix III																	
Boron	mg/L	0.18	0.091	0.086	0.067	0.082	0.085	0.11 J+	0.12	0.16	0.078	0.065	0.10	0.15	0.056	0.21	0.16
Calcium	mg/L	200	170	170	190	150	160	150	150	180	150	170	200	180	120	160	190
Chloride	mg/L	58	51	50	39	27	17	20	23	45	35J+	20	36	64	35	41	47
Fluoride	mg/L	0.29	0.24	0.21 J	0.23	0.28	0.25	0.26	0.27	0.24	0.27	< 0.28 U	0.28	0.26	0.29	0.31	0.41
Sulfate (as SO4)	mg/L	100	58	65	42	23	1.9 J	4.3	1.6 JD	69	20	17	3.7 JD	98	22	22	41
Totalissolved Solids	mg/L	750 J	630	680	590	580	600	600	570	690	550	600	740	760	500	640	720
Appendix IV																	
Antimony	mg/L	0.00098	0.00088	0.00079	0.00059	0.0012	0.00017 J	0.00020 J	0.00015 J	0.00048	< 0.00050 U	0.00068	0.00035	0.0013	0.0011	0.00036	0.00042
Arsenic	mg/L	0.0031	0.0014	0.0016	0.0017	0.0040	0.0038	0.0032 J+	0.0027	0.0027	0.0012	0.0030	0.021	0.0011	0.0012	0.0056	0.0087
Barium	mg/L	0.084	0.086	0.092	0.076	0.073	0.095	0.088	0.098	0.09	0.44	0.063	0.16	0.087	0.043	0.10	0.18
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.00026 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	0.000049 J	0.00010 J	0.00014 J	0.00015 J	< 0.00016 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	0.00023 J	< 0.00038 U	0.00023 J	< 0.000075 U	0.00010 J	< 0.000075 UJ	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.0021	0.0028	0.0029	0.0027	0.0029	0.0039	0.0050	0.0059	0.0029	0.019	0.0032	0.011	0.0024	0.0035	0.0056	0.0093
Cobalt	mg/L	0.00075	0.00049 J	0.00082	0.0017	0.0020 J	0.00083	0.00039 J+	0.00041 J	0.00053	0.0012	0.0022	0.00058	0.00064	0.00040 J	0.0031	0.00060
Fluoride	mg/L	0.29	0.24	0.21 J	0.23	0.28	0.25	0.26	0.27	0.24	0.27	< 0.28 U	0.28	0.26	0.29	0.31	0.41
Lead	mg/L	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.00022 U	< 0.0011 U	0.00026 J	0.00015 J+	0.00015 J	0.00037 J	0.0014 JD	0.00043 J	0.00013 J	0.00018 J	< 0.00010 U	0.00012 J	0.00017 J
Lithium	mg/L	0.0051	0.0069	0.0043	0.0047	0.0061	0.0052	< 0.0094 U	0.0041	0.0054	0.0028	0.0046	0.0069	0.0053	0.0030	0.0049	0.0063
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 UJ	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.0000029	0.0000016
Molybdenum	mg/L	0.0047	0.0037	0.0031	0.0031	0.0060 J	0.0026	0.00068 J+	0.00052 J	0.0032	0.00027 J	0.0030	0.0014	0.0067	0.0057	0.0048	0.0017
Radium 226 and 228	pCi/L	0.825	< 0.587 U	0.949	< 0.852 U	< 0.815 U	1.61	0.828	1.15	< 0.621 U	< 0.892 U	< 0.846 U	0.915	< 0.964 U	0.31 J-	< 1.46 U	1.11
Radium-226	pCi/L	< 0.267 U	< 0.14 U	< 0.125 U	< 0.204 U	< 0.232 U	< 0.256 U	0.154	0.276 J+	< 0.282 UJ	< 0.162 U	< 0.328 U	< 0.144 U	< 0.226 U	-0.03 J-	< 0.346 U	0.0278 J-
Radium-228	pCi/L	0.794	< 0.587 U	0.833	< 0.852 U	< 0.815 U	1.48 J	< 0.768 U	0.875	< 0.621 UJ	< 0.892 U	< 0.846 U	0.773	< 0.964 U	0.31 J-	< 1.46 UG	1.08
Selenium	mg/L	0.00089	0.00076	0.00055	0.00038 J	< 0.0011 U	0.00033 J	0.00033 J+	0.00029 J	0.00059	0.00054	0.00053	0.00058	0.0010	0.00098	0.00053	0.00052
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	2.0 J	5.0	10	1.0 J	9.0	17	21	22	10	6.0	5.0	80	< 4.0 U	< 4.0 U	27	70
Michigan CCR Part 115																	
Copper	mg/L	0.0079	0.016	0.016	0.020	0.0067	0.0017	0.0011 B	0.00079	0.0032	0.00099	0.013	0.00085	0.015	0.032	0.0042	0.00090
Iron	mg/L	1.2	2.5	2.8	2.5	4.6	7.4	7.7	8.7	4.4	1.1	1.2	29	0.067	0.078	8.9	25
Nickel	mg/L	0.020	0.016	0.017	0.019	0.023	0.014	0.0081	0.0049	0.0077	0.0036	0.026	0.014	0.014	0.018	0.028	0.012
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	0.00011	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.0031 U	< 0.00062 U	0.00065 J	0.00079 J	< 0.00062 U	< 0.00062 U	0.00097 J	0.0033	0.0014	0.00088 J	0.00095 J	0.0015
Zinc	mg/L	0.0071	0.0036	0.0050	0.0053	0.012	0.0014	< 0.0012 U	< 0.0012 U	0.018	0.0035	0.0072	0.0017	0.011	0.0059	0.0092	0.0029 J+
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	460	430	400	390	440	480	440	480	420	330	430	550	390	320	460	520
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U
Magnesium	mg/L	22	19	18	17	16	18	16	16	19	16	19	21	17	12	18	19
Potassium	mg/L	3.8	5.4	4.6	4.1	4.0	4.1	4.4	5.1	4.9	3.4	3.1	5.7	4.6	2.4	4.5	6.1
Sodium	mg/L	38	25	24	26	22	22	23	22	30	25	17	21	26	19	20	24
Total Alkalinity	mg/L	460	430	400	390	440	480	440	480	420	330	430	550	390	320	460	520

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-33	MW-33
Compliance Phase:		AM	AM
Sample Date:		10/20/2025	2/17/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	1.60	0.69
Dissolved Oxygen	mg/L	0.31	1.74
Oxidation Reduction Potential	mV	-112.2	-33.8
pH	su	6.5	7.09
Temperature	deg c	16.9	5.5
Turbidity	NTU	2.65	0.99
Appendix III			
Boron	mg/L	0.17	0.040 J-
Calcium	mg/L	310	120
Chloride	mg/L	48	29
Fluoride	mg/L	0.3	0.43
Sulfate (as SO4)	mg/L	370	50
Totalissolved Solids	mg/L	1100	470
Appendix IV			
Antimony	mg/L	0.00024 J	0.0011
Arsenic	mg/L	0.0018	0.0013
Barium	mg/L	0.24	0.049
Beryllium	mg/L	< 0.000052 U	0.00010 J+
Cadmium	mg/L	< 0.000075 U	0.00012 J
Chromium, Total	mg/L	0.0088	0.0043
Cobalt	mg/L	0.00069	0.00064
Fluoride	mg/L	0.3	0.43
Lead	mg/L	0.00012 J	0.00019 J
Lithium	mg/L	0.0050	0.0021 J-
Mercury	mg/L	0.0000060	0.0000051 J-
Molybdenum	mg/L	0.0015	0.0074
Radium 226 and 228	pCi/L	7.89	< 0.982 U
Radium-226	pCi/L	0.918	< 0.234 UJ
Radium-228	pCi/L	6.98	< 0.982 UJ
Selenium	mg/L	0.00048 J	0.0014
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	57	< 4.1 U
Michigan CCR Part 115			
Copper	mg/L	0.0011	0.037
Iron	mg/L	20	1.2
Nickel	mg/L	0.0097	0.016
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.0013	0.0011 J
Zinc	mg/L	0.0033	0.013
Additional Parameters			
Bicarbonate Alkalinity	mg/L	440	250
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	25	11
Potassium	mg/L	6.1	2.1
Sodium	mg/L	25	12
Total Alkalinity	mg/L	440	250

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		12/1/2022	1/5/2023	2/8/2023	3/15/2023	4/18/2023	5/22/2023	6/27/2023	8/7/2023	10/23/2023	2/12/2024	4/9/2024	7/18/2024	10/17/2024	2/26/2025	4/21/2025	8/12/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**																
Field Parameters																	
Conductivity	mS/cm	2.14	1.07	1.96	1.49	1.86	1.89	2.05	2.05	1.93	1.82	1.8	2	1.9	1.83	1.86	1.98
Dissolved Oxygen	mg/L	0.87	1.19	0.29	0.45	1.05	2.73	0.09	0.97	0.7	1.92	0.05	0.33	0.82	0.14	0.15	0.29
Oxidation Reduction Potential	mV	-120.5	-104.4	-119.7	-95	-63.4	-100.5	-113.8	-124.6	-163.1	-98.9	-72.8	-139	-122.7	-30.7	-83.9	-71.8
pH	su	6.65	7.66	6.78	6.68	6.53	6.6	6.75	6.69	6.62	6.63	6.61	6.7	6.49	6.59	6.62	6.65
Temperature	deg c	12.9	4.9	9.4	7.8	8	10.3	12.4	14.6	14.8	9.8	8.9	14.2	15.2	9	8.8	6.3
Turbidity	NTU	4.96	0.02	5.58	2.11	5.87	0.02	0.02	3.15	1.77	4.76	1.39	1.6	2.76	3.11	1.26	6.32
Appendix III																	
Boron	mg/L	3.2	2.7	1.9 B	1.8	1.6	2.5	4.0 J+	3.6	4.1	1.9	1.8	2.9	2.2	2.1	1.9	2.6
Calcium	mg/L	220	190	220	210	210	210	220	190	220	210	230	220	200	220	210	220
Chloride	mg/L	33	27	24	23	23	22	23	24	25	20J+	16	22	20	19	21	21
Fluoride	mg/L	0.35	0.20	0.23	0.24	0.21	0.23	0.26	0.29	0.28	0.21	0.22	0.31	0.096 JD	0.22	0.32	0.4
Sulfate (as SO4)	mg/L	2.5 J	1.9 J	< 0.41 U	0.87 J	0.56 J	< 0.41 U	< 0.41 U	< 0.41 U	< 0.41 U	< 0.41 U	< 1.1 U	< 2.2 U	< 1.1 U	< 2.2 U	< 2.2 U	0.65 JD
Totalissolved Solids	mg/L	820	750	800	790	700	760	820	770	800	730	730	760	710	720	750	720
Appendix IV																	
Antimony	mg/L	0.00023 J	0.00011 J	0.000095 J	0.00013 J	0.00091 J	0.00010 J	0.00016 J	0.00015 J	0.00014 J	< 0.00050 U	0.00013 J	0.00029	0.00021 J	0.00019 J	0.00013 J	0.00013 J
Arsenic	mg/L	0.0016	0.0010	0.00088	0.00090	0.00089 J	0.0010	0.0013 J+	0.0012	0.0013	0.00017 J-	0.00085	0.0010	0.0010	0.00072	0.00075	0.00092
Barium	mg/L	0.54	0.54	0.58	0.50	0.17	0.49	0.53	0.49	0.52	0.066J-	0.46	0.52	0.48	0.47	0.54	0.57
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.00026 U	0.000059 J	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	< 0.000052 UJ	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	0.000036 J	< 0.000032 U	< 0.000032 U	< 0.000032 U	< 0.00016 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.024	0.022	0.025	0.029	< 0.00088 U	0.027	0.034	0.028	0.019	0.0050 J+	0.026	0.023	0.023	0.018	0.025	0.024
Cobalt	mg/L	0.0015	0.0013	0.0013	0.0013	< 0.00050 U	0.0014	0.0018 J+	0.0016	0.0013	0.00061	0.0011	0.0010	0.0012	0.00090	0.0010	0.0011
Fluoride	mg/L	0.35	0.20	0.23	0.24	0.21	0.23	0.26	0.29	0.28	0.21	0.22	0.31	0.096 JD	0.22	0.32	0.4
Lead	mg/L	0.0069	0.0016	0.00059	0.00094	< 0.0011 U	0.00074	0.00087 J+	0.00091	0.00063	< 0.00050 UJ	0.00038 J	0.00047 J	0.00049 J	0.00041 J	0.00028 J	0.00054 J
Lithium	mg/L	0.077	0.086	0.053	0.012	0.046	0.065	0.088	0.10	0.099	0.043	0.057	0.079	0.065	0.057	0.056	0.073
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.0000016	0.0000020
Molybdenum	mg/L	0.0018	0.00081 J	< 0.00062 U	< 0.00062 U	0.0079	0.0018	0.00030 J+	< 0.00025 U	< 0.00025 U	< 0.00025 UJ	< 0.00025 U	< 0.00025 U	0.00041 J	< 0.00025 U	< 0.00025 U	< 0.00025 U
Radium 226 and 228	pCi/L	2.02	1.15	1.28	1.34	1.99	1.81	2.79	1.24	2.4	1.86 J+	2.2	1.76	2.07	--	2.62	1.7
Radium-226	pCi/L	0.57	0.534	0.654	0.558	0.396	0.561	0.357	0.637 J+	0.699	0.527	0.602	0.427	0.369	--	< 0.656 U	< 0.391 U
Radium-228	pCi/L	1.45	< 0.849 U	< 0.918 U	0.78	1.59	1.25 J	2.44	< 0.862 U	1.7	1.33 J+	1.59 G	1.33	1.7 G	--	2.12 G	1.35
Selenium	mg/L	0.00034 J	0.00025 J	0.00027 J	0.00023 J	< 0.0011 U	0.00029 J	0.00030 J+	0.00027 J	0.00031 J	0.00039 J-	0.00028 J	0.00028 J	0.00030 J	0.00026 J	0.00026 J	0.00024 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 UJ	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	110	52	83	44	160	160	170	130	150	120	160	150	140	97	160	140
Michigan CCR Part 115																	
Copper	mg/L	0.0034	0.00075	0.00033	0.0085	< 0.0010 U	0.00069	0.00045 B	0.00043	0.00045	0.00024 J	0.00040	0.00058	0.00055	0.00029	0.00028	0.00026
Iron	mg/L	73	70	83	78	75	77	77	64	70	72	76	65	59	64	69	72
Nickel	mg/L	0.0016	0.0013	0.0012	0.0013	< 0.0032 U	0.0016	0.0020	0.0018	0.0015	0.00089 J	0.011	0.019	0.028	0.041	0.012	0.011
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.00062 U	< 0.0031 U	0.00065 J	0.00069 J	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00090 J	0.0011 J	0.0012	0.00078 J	0.0010 J	0.0010 J
Zinc	mg/L	0.031	0.0019	0.0023	0.0023	0.020	0.0015	0.0018	0.0017	0.0021	< 0.0012 UJ	0.0014	0.0033	0.021	0.0036	0.0026	0.0025
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	1100	950	920	890	880	950	970	970	1000	830	950	960	920	900	930	950
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U	< 0.31 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U
Magnesium	mg/L	30	23	22	21	20	24	27	26	29	23	25	25	22	23	24	25
Potassium	mg/L	11	13	9.5	8.5	8.4	8.9	12	13	13	8.8	8.0	10	8.6	8.3	8.2	9.7
Sodium	mg/L	34	30	28	22	23	30	38	33	38	26	25	29	25	26	24	27
Total Alkalinity	mg/L	1100	950	920	890	880	950	970	970	1000	830	950	960	920	900	930	950

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-34	MW-34
Compliance Phase:		AM	AM
Sample Date:		10/20/2025	2/17/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B & 1/2	Unit 3A/B & 1/2
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**		
Field Parameters			
Conductivity	mS/cm	2.03	1.95
Dissolved Oxygen	mg/L	0.21	0.52
Oxidation Reduction Potential	mV	-109.9	-119.1
pH	su	6.56	6.59
Temperature	deg c	15.5	8.9
Turbidity	NTU	7.81	8.6
Appendix III			
Boron	mg/L	3.9	1.9
Calcium	mg/L	240	230
Chloride	mg/L	22	21
Fluoride	mg/L	0.38	0.33
Sulfate (as SO4)	mg/L	1.1 JD	0.59 JD
Totalissolved Solids	mg/L	790	720
Appendix IV			
Antimony	mg/L	0.00015 J	0.00015 J
Arsenic	mg/L	0.0011	0.00070
Barium	mg/L	0.52	0.51
Beryllium	mg/L	< 0.000052 U	0.000083 J
Cadmium	mg/L	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.025	0.021
Cobalt	mg/L	0.0013	0.0015
Fluoride	mg/L	0.38	0.33
Lead	mg/L	0.00058	0.00029 J
Lithium	mg/L	0.086	0.054
Mercury	mg/L	0.0000015	0.0000012
Molybdenum	mg/L	< 0.00025 U	0.0021
Radium 226 and 228	pCi/L	1.55	1.4
Radium-226	pCi/L	0.59	0.452
Radium-228	pCi/L	< 1.12 UG	0.947
Selenium	mg/L	0.00029 J	0.00030 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	130	100
Michigan CCR Part 115			
Copper	mg/L	0.00049	0.00064
Iron	mg/L	55	72
Nickel	mg/L	0.0090	0.013
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.0011 J	0.0013
Zinc	mg/L	0.0021	0.038
Additional Parameters			
Bicarbonate Alkalinity	mg/L	510	970
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U
Magnesium	mg/L	26	24
Potassium	mg/L	12	7.9
Sodium	mg/L	31	22
Total Alkalinity	mg/L	510	970

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected at limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		MW-36	MW-36	MW-36	MW-36	MW-36	MW-36	MW-36	MW-36
Compliance Phase:		AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		4/8/2024	7/17/2024	10/16/2024	2/26/2025	4/21/2025	8/12/2025	10/21/2025	2/18/2026
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**								
Field Parameters									
Conductivity	mS/cm	0.658	0.66	0.7	0.614	0.4807	0.78	0.83	0.71
Dissolved Oxygen	mg/L	0.08	0.02	0.01	0.06	0.12	0.06	0.11	0.23
Oxidation Reduction Potential	mV	-207.1	-331.7	-230.1	130.6	-223	-18.2	-192.3	-266.3
pH	su	10.42	9.89	8.79	9.54	8.95	8.97	7.07	9.26
Temperature	deg c	8.4	19.1	18.3	5.4	8.2	20.8	17.7	6.6
Turbidity	NTU	5.41	2.01	1.11	2.82	0.02	0.67	1.37	5.93
Appendix III									
Boron	mg/L	0.28	0.41	0.61	0.25	0.41	0.54	0.54	0.30 B
Calcium	mg/L	67	61	61	56	72	73	81	70
Chloride	mg/L	34	39	38	34	32	32	29	25
Fluoride	mg/L	0.61	0.65	0.92	0.61	0.72	0.9	0.68	0.67
Sulfate (as SO4)	mg/L	5.7 JD	21	10	10	6.8	5.9 JD	17	8.5
Totalissolved Solids	mg/L	330	460	390	400	450	480	470	420
Appendix IV									
Antimony	mg/L	0.00076	0.0015	0.00075	0.0029	0.00076	0.00080	0.0020	0.00057
Arsenic	mg/L	0.029	0.029	0.013	0.012	0.0093	0.012	0.0071	0.0092
Barium	mg/L	0.15	0.17	0.20	0.13	0.25	0.25	0.23	0.17
Beryllium	mg/L	0.000059 J	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	0.00032	0.00082	0.00019 J	0.00046	0.000094 J	0.00020 J	0.00015 J	0.00010 J
Chromium, Total	mg/L	0.0013	0.0031	0.0018	0.0021	0.0011	0.0015	0.00097	0.0011
Cobalt	mg/L	0.00027 J	0.00027 J	0.00018 J	0.00028 J	0.00018 J	0.00017 J	0.00016 J	0.00021 J
Fluoride	mg/L	0.61	0.65	0.92	0.61	0.72	0.9	0.68	0.67
Lead	mg/L	0.025	0.051	0.012	0.032	0.0060	0.016	0.010	0.0075
Lithium	mg/L	0.0057	0.0089	0.012	0.0042	0.010	0.014	0.012	0.0073
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.0000063	0.0000099	0.0000039	0.000011
Molybdenum	mg/L	0.019	0.042	0.034	0.037	0.017	0.025	0.022	0.023
Radium 226 and 228	pCi/L	< 0.861 U	< 1.4 UJ	1.08	--	< 0.933 U	< 0.892 U	< 1.12 U	< 0.93 U
Radium-226	pCi/L	0.467	< 0.207 UJ	< 0.194 U	--	< 0.319 U	0.117 J+	< 0.353 U	< 0.126 U
Radium-228	pCi/L	< 0.861 U	< 1.4 UJ	0.959	--	< 0.933 U	0.151 J-	< 1.12 UG	< 0.93 U
Selenium	mg/L	0.00060	0.00072	0.00065	0.00064	0.00049 J	0.00049 J	0.00046 J	0.00065
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	38	4.0 J+	< 4.0 U	5.0	< 4.0 U	< 4.0 U	< 4.1 U	< 4.1 U
Michigan CCR Part 115									
Copper	mg/L	0.0077	0.019	0.0086	0.011	0.0025	0.0041	0.0031	0.0026
Iron	mg/L	0.40	0.35	0.44	0.39	1.1	0.80	0.91	0.52
Nickel	mg/L	0.011	0.0084	0.0054	0.0066	0.0056	0.0048	0.0032	0.0048
Silver	mg/L	0.00021	0.00057	0.00011	0.00023	0.000051	0.00011	0.000077	0.000056
Vanadium	mg/L	0.0024	0.0052	0.0025	0.0052	0.0037	0.0032	0.0029	0.0033
Zinc	mg/L	0.0088	0.020	0.014	0.013	0.0042	0.0054	0.0038	0.024
Additional Parameters									
Bicarbonate Alkalinity	mg/L	78	160	270	200	320	380	390	290
Carbonate Alkalinity	mg/L	120	110	34	97	39	< 0.31 UJ	< 0.16 U	71
Magnesium	mg/L	6.9	7.5	9.3	6.1	13	11	12	9.9
Potassium	mg/L	52	45	30	46	33	36	34	46
Sodium	mg/L	61	65	57	62	56	61	60	56
Total Alkalinity	mg/L	200	260	310	300	350	380	390	360

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-37	MW-37	MW-37	MW-37	MW-37	MW-37	MW-37	MW-37
Compliance Phase:		AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		4/8/2024	7/17/2024	10/15/2024	2/3/2025	4/20/2025	8/12/2025	10/21/2025	2/18/2026
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**								
Field Parameters									
Conductivity	mS/cm	1.16	1.24	1	1.09	1	1.05	0.96	1.14
Dissolved Oxygen	mg/L	1.04	0.04	0.01	0.89	0.14	0.18	0.18	0.26
Oxidation Reduction Potential	mV	-19	65	6.7	74.1	-72.7	-8.9	-90.6	-126.1
pH	su	7.47	7.15	7.21	7.16	7.42	7.28	7.24	7.56
Temperature	deg c	9	17.8	18.1	7.9	9.3	19.5	17.5	7.3
Turbidity	NTU	0.02	0.02	7.46	0.02	0.5	1.21	0.87	0.02
Appendix III									
Boron	mg/L	5.2	3.9	1.9	5.9	4.8	4.0	2.8	3.7 B
Calcium	mg/L	160	160	120	160	140	140	140	200
Chloride	mg/L	22	29	40	15	15	15	18	9.7
Fluoride	mg/L	0.63	0.39	0.5	0.4	0.5	0.6	0.58	0.52
Sulfate (as SO4)	mg/L	210	260	110	270	260	230	110	320
Totalissolved Solids	mg/L	790	840	630	780	700	720	620	800
Appendix IV									
Antimony	mg/L	0.00064	0.00040	0.00023 J	0.00011 J	0.00017 J	0.00017 J	0.00016 J+	< 0.00010 U
Arsenic	mg/L	0.00055	0.00046 J	0.00046 J	0.00074	0.00061	0.00073	0.0011	0.00064
Barium	mg/L	0.040	0.046	0.044	0.074	0.067	0.070	0.082	0.098
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.000076 J	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	0.00012 J	0.00013 J	0.00011 J	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.00039	0.00054	0.00027	0.00028	0.00036	0.00026	0.0015 J+	0.00022 J
Cobalt	mg/L	0.00075	0.00053	0.00051 J	0.00076	0.00038 J	0.00044 J	0.00056	0.00029 J
Fluoride	mg/L	0.63	0.39	0.5	0.4	0.5	0.6	0.58	0.52
Lead	mg/L	0.00017 J	0.00013 J	< 0.00010 U	< 0.00010 U	0.00058	0.00052 J	0.010 J+	0.00011 J
Lithium	mg/L	0.020	0.022	0.019	0.0093	0.0097	0.016	0.014	0.011
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.0000016	0.0000018	0.0000065 J+	0.0000011
Molybdenum	mg/L	0.015	0.0075	0.0064	0.012	0.013	0.0094	0.0064	0.0095
Radium 226 and 228	pCi/L	< 0.569 U	< 0.764 U	< 0.96 UJ	0.95	1.09	< 0.572 U	< 0.774 UJ	1.02
Radium-226	pCi/L	< 0.142 U	0.104	< 0.226 UJ	0.67	< 0.319 U	< 0.289 U	< 0.331 U	< 0.122 U
Radium-228	pCi/L	< 0.569 U	< 0.764 U	< 0.96 UJ	< 0.43 U	1.09	< 0.572 U	< 0.774 UJ	0.981
Selenium	mg/L	0.0046	0.0030	0.0018	0.00065	0.00091	0.0011	0.00069	0.00047 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	< 4.0 U	3.9 JD	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.1 UJ	4.0
Michigan CCR Part 115									
Copper	mg/L	0.013	0.014	0.014	0.0067	0.0088	0.012	0.041 J+	0.0052
Iron	mg/L	0.16	< 0.026 U	0.026 J	2.1	1.7	0.90	2.3	3.4
Nickel	mg/L	0.0046	0.0052	0.0039	0.0029	0.0029	0.0037	0.0035 J+	0.0017
Silver	mg/L	< 0.000050 U	< 0.000050 U	0.00017 J+	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	< 0.00062 U	0.00067 J	< 0.00062 U	0.00039 J	0.00073 J+	0.00030 J
Zinc	mg/L	0.017	0.017	0.011	0.015	0.0097	0.011	0.018 J+	0.020
Additional Parameters									
Bicarbonate Alkalinity	mg/L	310	340	350	340	290	330	360	320
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U
Magnesium	mg/L	13	12	9.8	12	9.9	11	9.6	14
Potassium	mg/L	18	20	18	13	19	20	19	21
Sodium	mg/L	100	98	57	68	58	49	46	35
Total Alkalinity	mg/L	310	340	350	340	290	330	360	320

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

Sample Location:		MW-38	MW-38	MW-38	MW-38	MW-38	MW-38	MW-38	MW-38
Compliance Phase:		AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		4/8/2024	7/17/2024	10/16/2024	2/26/2025	4/20/2025	8/12/2025	10/21/2025	2/18/2026
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B	Unit 3A/B
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Constituent	**Unit**								
Field Parameters									
Conductivity	mS/cm	1.27	1.18	1.3	0.91	0.587	0.64	0.89	0.58
Dissolved Oxygen	mg/L	0.4	0.17	0.13	0.33	1.51	0.27	0.24	1.04
Oxidation Reduction Potential	mV	-207.4	-25.1	-69.8	-5.7	-102.8	12	-200.1	-51.7
pH	su	10	9.23	9	9.12	9.17	8.33	9.59	9.02
Temperature	deg c	11.7	20.6	16.9	6	8.1	23.2	16.7	7.5
Turbidity	NTU	7.83	0.02	0.02	8.46	3.32	2.01	11.4	11.9
Appendix III									
Boron	mg/L	1.6	2.4	3	1.2	0.47	2.1	1.9	0.54 B
Calcium	mg/L	150	96	110	74	72	91	560	87
Chloride	mg/L	51	57	58	42	11	34	31	14
Fluoride	mg/L	0.79	1	1.8	0.83	0.63	1.2	0.88	0.59
Sulfate (as SO4)	mg/L	280	170	210	130	210	120	110	160
Totalissolved Solids	mg/L	840	850	980	350	460	580	620	390
Appendix IV									
Antimony	mg/L	0.00068	0.0017	0.0011	0.0018	0.0013	0.00031	< 0.00010 U	0.00066
Arsenic	mg/L	0.0050	0.0071	0.0033	0.0057	0.0050	0.0025	0.0023	0.0032
Barium	mg/L	0.16	0.12	0.17	0.070	0.036	0.11	0.073	0.048
Beryllium	mg/L	< 0.000052 U	0.000067 J	0.000090 J	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.000055 J	< 0.000052 U
Cadmium	mg/L	0.000096 J	0.00037	0.00015 J	0.00049	< 0.000075 U	< 0.000075 U	< 0.000075 U	0.00016 J
Chromium, Total	mg/L	0.0040	0.016	0.0072	0.013	0.0039	0.0044	0.012	0.0028
Cobalt	mg/L	0.00053	0.00071	0.00055	0.00079	0.00025 J	0.00029 J	0.00049 J	0.00028 J
Fluoride	mg/L	0.79	1	1.8	0.83	0.63	1.2	0.88	0.59
Lead	mg/L	0.015	0.086	0.023	0.060	0.0076	0.0053	< 0.00050 U	0.0099
Lithium	mg/L	0.12	0.098	0.12	0.094	0.047	0.12	0.14	0.055
Mercury	mg/L	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.0000093	0.000021	0.000032	0.000027
Molybdenum	mg/L	0.0097	0.014	0.0095	0.023	0.025	0.0064	0.0010 J	0.013
Radium 226 and 228	pCi/L	1.21	< 1.72 U	2.12	--	< 2.65 U	< 1.03 U	< 1.5 U	< 1.96 U
Radium-226	pCi/L	0.492	< 0.314 U	0.278	--	< 0.988 U	< 0.469 U	< 0.456 U	< 0.511 U
Radium-228	pCi/L	< 1.08 UG	< 1.72 UG	1.84	--	< 2.65 UG	< 1.03 UG	< 1.5 UG	< 1.96 UG
Selenium	mg/L	0.00073	0.00095	0.00059	0.0010	0.0015	0.00046 J	0.00012 J	0.00069
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U
Total Suspended Solids	mg/L	160	53	< 4.0 U	45	7.0	< 4.0 U	< 4.0 U	< 4.0 U
Michigan CCR Part 115									
Copper	mg/L	0.0031	0.020	0.0063	0.018	0.0037	0.00098	< 0.00020 U	0.0045
Iron	mg/L	0.39	1.0	0.51	1.4	0.13	0.26	3.3	0.20
Nickel	mg/L	0.0053	0.0096	0.0067	0.0083	0.0038	0.0038	0.00071 J	0.0033
Silver	mg/L	< 0.000050 U	0.00019	0.000065	0.00015	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.0066	0.010	0.0053	0.015	0.014	0.0081	< 0.00028 U	0.0049
Zinc	mg/L	0.0066	0.020	0.015	0.021	0.0039	0.0038	< 0.00048 U	0.015
Additional Parameters									
Bicarbonate Alkalinity	mg/L	270	300	380	230	55	260	150	80
Carbonate Alkalinity	mg/L	12	50	60	75	43	< 0.31 U	90	29
Magnesium	mg/L	18	13	18	7.4	1.3	10	120	2.5
Potassium	mg/L	91	86	88	82	44	75	15	41
Sodium	mg/L	97	100	100	96	36	74	290	40
Total Alkalinity	mg/L	280	350	440	300	98	260	240	110

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-39	MW-39	MW-39
Compliance Phase:		AM	AM	AM
Sample Date:		8/13/2025	10/21/2025	2/19/2026
Sample Type:		Field Sample	Field Sample	Field Sample
Unit:		Unit 1/2	Unit 1/2	Unit 1/2
Sample Matrix:		Groundwater	Groundwater	Groundwater
Constituent	**Unit**			
Field Parameters				
Conductivity	mS/cm	1.21	1.29	1.76
Dissolved Oxygen	mg/L	0.14	0.15	0.69
Oxidation Reduction Potential	mV	74.5	-142.6	-86.8
pH	su	7.3	7.2	7.21
Temperature	deg c	20.4	18	6.1
Turbidity	NTU	8.5	9.02	4.84
Appendix III				
Boron	mg/L	1.4	1.3	0.91 B
Calcium	mg/L	200	200	290
Chloride	mg/L	13	12	18
Fluoride	mg/L	0.49	0.36	0.22
Sulfate (as SO4)	mg/L	48	37	470
Totalissolved Solids	mg/L	710	760	1200
Appendix IV				
Antimony	mg/L	0.00013 J	0.00012 J	0.00086
Arsenic	mg/L	0.0012	0.00082	0.0020
Barium	mg/L	0.11	0.14	0.066
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	0.00013 J	< 0.000075 U	0.00079
Chromium, Total	mg/L	0.0069	0.0062	0.0016
Cobalt	mg/L	0.00037 J	0.00037 J	0.0024
Fluoride	mg/L	0.49	0.36	0.22
Lead	mg/L	0.00015 J	0.00013 J	0.0015
Lithium	mg/L	0.023	0.020	0.028
Mercury	mg/L	0.0000017	0.0000012	0.0000028
Molybdenum	mg/L	0.00026 J	0.00033 J	0.0026
Radium 226 and 228	pCi/L	1.2	< 1.12 U	< 0.726 U
Radium-226	pCi/L	< 0.452 U	< 0.353 U	< 0.181 U
Radium-228	pCi/L	1.03	< 1.12 UG	< 0.726 U
Selenium	mg/L	0.00030 J	0.00027 J	0.0012
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	14	< 4.0 U	28
Michigan CCR Part 115				
Copper	mg/L	0.00047	0.00028	0.0017
Iron	mg/L	6.0	3.2	4.5
Nickel	mg/L	0.0021	0.0018	0.021
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00097 J	0.00095 J	0.00080 J
Zinc	mg/L	0.0091	0.0015	0.078
Additional Parameters				
Bicarbonate Alkalinity	mg/L	580	670	460
Carbonate Alkalinity	mg/L	< 0.31 U	< 0.16 U	< 0.16 U
Magnesium	mg/L	33	36	49
Potassium	mg/L	9.7	9.2	7.2
Sodium	mg/L	25	25	28
Total Alkalinity	mg/L	580	670	460

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-41	MW-41
Compliance Phase:		Development	AM
Sample Date:		12/23/2025	2/17/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 1/2 & 3A/B	Unit 1/2 & 3A/B
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**	Result	
Field Parameters			
Conductivity	mS/m	2.739	3.46
Dissolved Oxygen	mg/L	7.01	2.56
Oxidation Reduction Potential	mV	38.8	85.7
pH	su	7.63	7.75
Temperature	deg c	9.8	7.5
Turbidity	NTU	66.8	42.7
Appendix III			
Boron	mg/L	27	28
Calcium	mg/L	210	220
Chloride	mg/L	490	420
Fluoride	mg/L	1.4	1.1
Sulfate (as SO4)	mg/L	230	610
Totalissolved Solids	mg/L	2200	2300
Appendix IV			
Antimony	mg/L	0.00092	0.00029
Arsenic	mg/L	0.0042	0.0022
Barium	mg/L	0.22	0.21
Beryllium	mg/L	0.00018 J	0.000093 J
Cadmium	mg/L	0.00015 J	0.000080 J
Chromium, Total	mg/L	0.0081	0.0036
Cobalt	mg/L	0.0017	0.0012
Fluoride	mg/L	1.4	1.1
Lead	mg/L	0.0068	0.0040
Lithium	mg/L	0.45	0.57
Mercury	mg/L	0.000014	0.000016
Molybdenum	mg/L	0.018	0.0081
Radium 226 and 228	pCi/L	1.14	< 0.838 U
Radium-226	pCi/L	0.552	0.271
Radium-228	pCi/L	< 0.8 U	< 0.838 U
Selenium	mg/L	0.0021	0.00050
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	140	65
Michigan CCR Part 115			
Copper	mg/L	--	0.0025
Iron	mg/L	5.2	5.1
Nickel	mg/L	0.0058	0.0032
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.0086	0.0031
Zinc	mg/L	0.031	0.024
Additional Parameters			
Bicarbonate Alkalinity	mg/L	--	790
Carbonate Alkalinity	mg/L	--	< 0.16 U
Magnesium	mg/L	--	120
Potassium	mg/L	--	33
Sodium	mg/L	--	420
Total Alkalinity	mg/L	--	790

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-42	MW-42
Compliance Phase:		Development	AM
Sample Date:		12/23/2025	2/18/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B	Unit 3A/B
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**	Result	
Field Parameters			
Conductivity	mS/m	1.931	2.81
Dissolved Oxygen	mg/L	0.23	0.17
Oxidation Reduction Potential	mV	-67.5	-43.2
pH	su	6.95	6.76
Temperature	deg c	7.2	5.1
Turbidity	NTU	18.5	6.94
Appendix III			
Boron	mg/L	1.6	1.2
Calcium	mg/L	340	350
Chloride	mg/L	230	130
Fluoride	mg/L	0.32	0.27
Sulfate (as SO4)	mg/L	720	960
Totalissolved Solids	mg/L	1900	2000
Appendix IV			
Antimony	mg/L	0.00028	0.00072
Arsenic	mg/L	0.0013	0.00085
Barium	mg/L	0.11	0.070
Beryllium	mg/L	< 0.000052 U	< 0.000052 U
Cadmium	mg/L	0.0010	0.0037
Chromium, Total	mg/L	0.00081	0.00048
Cobalt	mg/L	0.0091	0.016
Fluoride	mg/L	0.32	0.27
Lead	mg/L	0.011	0.011
Lithium	mg/L	0.13	0.13
Mercury	mg/L	0.0000058	0.000012
Molybdenum	mg/L	0.0019	0.0022
Radium 226 and 228	pCi/L	1.04	0.938
Radium-226	pCi/L	< 0.298 U	< 0.121 U
Radium-228	pCi/L	0.748	0.905
Selenium	mg/L	0.0022	0.0029
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	51	16
Michigan CCR Part 115			
Copper	mg/L	--	0.032
Iron	mg/L	19	6.5
Nickel	mg/L	0.43	1.8
Silver	mg/L	0.000053	0.000059
Vanadium	mg/L	0.00051 J	0.00032 J
Zinc	mg/L	0.56	3.5
Additional Parameters			
Bicarbonate Alkalinity	mg/L	--	450
Carbonate Alkalinity	mg/L	--	< 0.16 U
Magnesium	mg/L	--	130
Potassium	mg/L	--	18
Sodium	mg/L	--	89
Total Alkalinity	mg/L	--	450

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		MW-43	MW-43
Compliance Phase:		Development	AM
Sample Date:		12/22/2025	2/19/2026
Sample Type:		Field Sample	Field Sample
Unit:		Unit 3A/B	Unit 3A/B
Sample Matrix:		Groundwater	Groundwater
Constituent	**Unit**	Result	
Field Parameters			
Conductivity	mS/m	0.76	0.93
Dissolved Oxygen	mg/L	0.1	0.22
Oxidation Reduction Potential	mV	21.4	-132.9
pH	su	7.69	7.53
Temperature	deg c	8	5.2
Turbidity	NTU	0.02	0.02
Appendix III			
Boron	mg/L	62	33 B
Calcium	mg/L	99	95
Chloride	mg/L	7	7.3
Fluoride	mg/L	9.8	7.6
Sulfate (as SO4)	mg/L	180	120
Totalissolved Solids	mg/L	890	570
Appendix IV			
Antimony	mg/L	0.026	0.012
Arsenic	mg/L	0.011	0.0054
Barium	mg/L	0.86	0.62
Beryllium	mg/L	0.00011 J	0.000084 J
Cadmium	mg/L	0.011	0.0096
Chromium, Total	mg/L	0.00055	0.00029
Cobalt	mg/L	0.27	0.16
Fluoride	mg/L	9.8	7.6
Lead	mg/L	0.00066	0.00020 J
Lithium	mg/L	0.59	0.35
Mercury	mg/L	0.0000016	0.00000094
Molybdenum	mg/L	0.0091	0.0062
Radium 226 and 228	pCi/L	< 0.381 U	0.929
Radium-226	pCi/L	0.169	< 0.176 U
Radium-228	pCi/L	< 0.381 U	0.833
Selenium	mg/L	0.037	0.023
Thallium	mg/L	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	< 4.0 U	< 4.1 U
Michigan CCR Part 115			
Copper	mg/L	--	0.0027
Iron	mg/L	0.13	0.21
Nickel	mg/L	0.36	0.22
Silver	mg/L	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.0012	0.0011 J
Zinc	mg/L	0.18	0.15
Additional Parameters			
Bicarbonate Alkalinity	mg/L	--	320
Carbonate Alkalinity	mg/L	--	< 0.16 U
Magnesium	mg/L	--	15
Potassium	mg/L	--	18
Sodium	mg/L	--	73
Total Alkalinity	mg/L	--	320

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

Sample Location:		SG-02	SG-02	SG-02	SG-02	SG-02	SG-02	SG-02	SG-02	SG-02	SG-02	SG-02	SG-02	SG-02	SG-02	SG-02	SG-02
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		12/2/2022	1/5/2023	2/6/2023	3/14/2023	4/19/2023	5/23/2023	6/28/2023	8/8/2023	10/24/2023	2/14/2024	4/10/2024	7/17/2024	10/17/2024	2/3/2025	4/22/2025	8/11/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Sample Matrix:		Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Constituent	**Unit**			**DRY**											**DRY**		**DRY**
Field Parameters																	
Conductivity	mS/cm	1.42	1	--	0.898	0.93	1.03	1.56	1.66	1.47	0.84	0.99	1.57	1.45	--	0.69	--
Dissolved Oxygen	mg/L	5.28	9.57	--	4.27	10.32	7.83	8.9	9.54	8.29	14.38	9.31	7.69	8.44	--	9.53	--
Oxidation Reduction Potential	mV	147.3	-25.2	--	131.1	13.3	16.1	25.6	69.3	-44.9	135.6	-32.5	-39.7	78.5	--	33.2	--
pH	su	8.02	8.38	--	8	8.23	9.14	8.52	8.7	8.15	8.01	8.38	7.86	7.67	--	8.38	--
Temperature	deg c	2.8	3.5	--	2.7	8.9	26.6	26.2	29.6	17.5	3.6	14.8	28.2	12.4	--	14.8	--
Turbidity	NTU	1.62	0.02	--	1.2	2.41	6.62	4.2	3.26	6.09	0.46	3.59	1.34	7.03	--	9.08	--
Appendix III																	
Boron	mg/L	4.0	2.2	--	2.1	2.0	2.8	5.6 J+	6.9	7	3.5	3.1	8.1	7.3	--	2.6	--
Calcium	mg/L	210	140	--	140	130	150	210	170	180	140	140	170	160	--	100	--
Chloride	mg/L	75	46	--	41	37	40	86	120	99	52	36	120	110	--	54	--
Fluoride	mg/L	2.6	1.9	--	2.3	2.6	3.3	4.6	5.1	3.6	2.2	2.1	4.5	3.7	--	2.5	--
Sulfate (as SO4)	mg/L	620	360	--	350	400	430	620	640	530	380	340	540	490	--	270	--
Totalissolved Solids	mg/L	1100	660	--	580	680	740	1200	1400	1100	690	690	1100	1100	--	560	--
Appendix IV																	
Antimony	mg/L	0.00051	0.00043	--	0.00066	0.00058 J	0.0012	0.00085	0.0011	0.00061	0.00038	0.00088	0.0011	0.00076	--	0.00079	--
Arsenic	mg/L	0.0019	0.0012	--	0.0018	0.0017 J	0.0032	0.0037	0.0091	0.0023	0.0012	0.0017	0.0086	0.0020	--	0.0014	--
Barium	mg/L	0.049	0.033	--	0.034	0.22	0.080	0.13	0.11	0.06	0.037	0.045	0.12	0.060	--	0.049	--
Beryllium	mg/L	0.000060 J	< 0.000052 U	--	< 0.000052 U	< 0.00027 U	< 0.000052 U	0.00029	0.00014 J	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.000057 J	< 0.000052 U	--	0.000078 J	--
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	--	< 0.000032 U	< 0.00017 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	--	< 0.000075 U	--
Chromium, Total	mg/L	0.00038	0.00024 J	--	0.00057	< 0.00091 U	0.00046	0.00091	0.00080	0.00036	0.00025	0.00045	0.00064	0.00034	--	0.00036	--
Cobalt	mg/L	0.00021 J	0.00022 J	--	0.00028 J	< 0.00052 U	0.00035 J	0.00040 J	0.00057	0.00015 J	0.00012 J	0.00017 J	0.00034 J	< 0.00010 U	--	0.00012 J	--
Fluoride	mg/L	2.6	1.9	--	2.3	2.6	3.3	4.6	5.1	3.6	2.2	2.1	4.5	3.7	--	2.5	--
Lead	mg/L	0.0013	0.00081	--	0.0012	0.0020 J	0.0011	0.00050 J	0.0012	0.00064	0.00061	0.0011	0.00083	0.00043 J	--	0.00063	--
Lithium	mg/L	0.046	0.032	--	0.035	0.038	0.053	0.067	0.085	0.058	0.042	0.043	0.086	0.072	--	0.046	--
Mercury	mg/L	< 0.00016 U	< 0.00016 U	--	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.00022	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	--	0.0000064	--
Molybdenum	mg/L	0.0069	0.0060	--	0.011	0.0062 J	0.016	0.0072	0.012	0.0081	0.0069	0.013	0.011	0.0097	--	0.014	--
Radium 226 and 228	pCi/L	< 0.342 U	0.712 J+	--	< 0.551 U	1.42	1.49	1.44	1.28	< 0.532 U	< 1 U	0.722	< 0.916 U	< 0.7 U	--	0.658	--
Radium-226	pCi/L	0.151	< 0.121 U	--	< 0.177 U	0.266	0.229	0.456	0.329	< 0.265 U	< 0.18 U	0.206	0.466	0.175	--	0.382	--
Radium-228	pCi/L	< 0.342 U	0.627 J+	--	< 0.551 U	1.15	1.26	0.981	0.954	< 0.532 U	< 1 U	< 0.601 U	< 0.916 U	< 0.7 U	--	< 0.565 U	--
Selenium	mg/L	0.00073	0.00059	--	0.0010	< 0.0011 U	0.0013	0.0013	0.0014	0.0008	0.0018	0.0014	0.0015	0.00078	--	0.0014	--
Thallium	mg/L	< 0.000075 U	< 0.000075 U	--	< 0.000075 U	< 0.00039 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	--	< 0.000075 U	--
Total Suspended Solids	mg/L	< 4.0 U	3.0 J	--	1.0 J	0.99 J	1.0 J	30	14	< 3.9 U	< 4.0 U	< 4.0 U	17	< 4.0 U	--	11	--
Michigan CCR Part 115																	
Copper	mg/L	0.0010	0.00085	--	0.011	0.0011 J	0.0014	0.0012	0.0010	0.00047	0.00089	0.0016	0.00083	0.00061	--	0.0015	--
Iron	mg/L	0.20	0.15	--	0.20	0.23	0.16	0.27	0.48	0.28	0.14	0.16	0.48	0.21	--	0.10	--
Nickel	mg/L	0.0023	0.0020	--	0.0023	< 0.0034 U	0.0027	0.0036	0.0040	0.0034	0.0020	0.0024	0.0037	0.0035	--	0.0021	--
Silver	mg/L	< 0.000050 U	< 0.000050 U	--	< 0.000050 U	< 0.00026 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	--	< 0.000050 U	--
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	--	< 0.00062 U	< 0.0032 U	0.0019	0.0014	0.0052	0.00072 J	< 0.00062 U	0.0014	0.0055	0.0020	--	0.0012	--
Zinc	mg/L	0.0041	0.0031	--	0.0029	0.029	0.0014	0.0024	0.0028	0.005	0.0013	0.0020	0.0024	0.0033	--	0.0016	--
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	96	76	--	62	71	35	73	65	130	93	79	94	110	--	85	--
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	--	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	19	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	--	< 0.16 U	--
Magnesium	mg/L	48	31	--	28	28	33	53	63	57	37	34	61	56	--	28	--
Potassium	mg/L	13	9.1	--	8.0	7.3	6.8	18	21	16	9.1	8.2	20	13	--	6.7	--
Sodium	mg/L	40	24	--	22	21	27	52	62	58	31	28	66	60	--	27	--
Total Alkalinity	mg/L	96	76	--	62	71	35	73	83	130	93	79	94	110	--	85	--

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

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

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

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

Sample Location:		SG-02	SG-02
Compliance Phase:		AM	AM
Sample Date:		10/20/2025	2/19/2025
Sample Type:		Field Sample	Field Sample
Unit:		Surface Water	Surface Water
Sample Matrix:		Surface Water	Surface Water
Constituent	**Unit**	**DRY**	**DRY**
Field Parameters			
Conductivity	mS/cm	--	--
Dissolved Oxygen	mg/L	--	--
Oxidation Reduction Potential	mV	--	--
pH	su	--	--
Temperature	deg c	--	--
Turbidity	NTU	--	--
Appendix III			
Boron	mg/L	--	--
Calcium	mg/L	--	--
Chloride	mg/L	--	--
Fluoride	mg/L	--	--
Sulfate (as SO4)	mg/L	--	--
Totalissolved Solids	mg/L	--	--
Appendix IV			
Antimony	mg/L	--	--
Arsenic	mg/L	--	--
Barium	mg/L	--	--
Beryllium	mg/L	--	--
Cadmium	mg/L	--	--
Chromium, Total	mg/L	--	--
Cobalt	mg/L	--	--
Fluoride	mg/L	--	--
Lead	mg/L	--	--
Lithium	mg/L	--	--
Mercury	mg/L	--	--
Molybdenum	mg/L	--	--
Radium 226 and 228	pCi/L	--	--
Radium-226	pCi/L	--	--
Radium-228	pCi/L	--	--
Selenium	mg/L	--	--
Thallium	mg/L	--	--
Total Suspended Solids	mg/L	--	--
Michigan CCR Part 115			
Copper	mg/L	--	--
Iron	mg/L	--	--
Nickel	mg/L	--	--
Silver	mg/L	--	--
Vanadium	mg/L	--	--
Zinc	mg/L	--	--
Additional Parameters			
Bicarbonate Alkalinity	mg/L	--	--
Carbonate Alkalinity	mg/L	--	--
Magnesium	mg/L	--	--
Potassium	mg/L	--	--
Sodium	mg/L	--	--
Total Alkalinity	mg/L	--	--

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicat

Qualifiers:

U The analyte was analyzed for, but was not detected a limit (RL) for the sample and method.

J The analyte was positively identified, and the associate in the sample (due either to the quality of the data genera concentration of the analyte being below the RL).

J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		SG-04R	SG-04R	SG-04R	SG-04R	SG-04R	SG-04R	SG-04R	SG-04R	SG-04R	SG-04R	SG-04R	SG-04R	SG-04R	SG-04R	SG-04R	SG-04R
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		12/2/2022	1/5/2023	2/6/2023	3/14/2023	4/19/2023	5/23/2023	6/28/2023	8/8/2023	10/24/2023	2/14/2024	4/8/2024	7/17/2024	10/17/2024	2/3/2025	4/22/2025	8/11/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Sample Matrix:		Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Constituent	**Unit**			**DRY**											**DRY**		**DRY**
Field Parameters																	
Conductivity	mS/cm	1	1.64	--	1.404	1.96	1.79	2.56	2.56	2.12	1.41	1.64	2.39	2	--	1.074	--
Dissolved Oxygen	mg/L	6.42	9.64	--	10.26	10.46	7.17	6.62	8.21	8.36	11.92	9.24	6.23	9.56	--	7.13	--
Oxidation Reduction Potential	mV	125.3	-34.8	--	-34	91.5	29.9	368	58.7	-33.8	155.6	20.8	-6.5	55.1	--	44.8	--
pH	su	8.03	8.44	--	8.05	8.21	8.3	8.24	8.68	8.36	7.2	8.46	8.74	8.35	--	7.56	--
Temperature	deg c	3.3	4	--	5.9	8.2	25.6	25.9	23.8	17.1	2.7	14.7	27.5	13.1	--	15.4	--
Turbidity	NTU	7.25	1.1	--	3.22	1.04	5.27	10.6	2.28	5.92	8.1	3.75	4.11	8.89	--	7.77	--
Appendix III																	
Boron	mg/L	3.0	2.1	--	2.6	2.4	3.2	5.0 J+	5.4	5.4	4.5	4.4	6.8	5.6	--	3.5	--
Calcium	mg/L	430	300	--	370	310	390	600	580E	500	340	370	510	390	--	410	--
Chloride	mg/L	27	22	--	21	20	22	33	38	35	23	20	38	42	--	71	--
Fluoride	mg/L	2.6	2.0	--	2.3	2.7	3.5	5	5.3	3.7	2.3	2.7	4.2	3.7	--	1.6	--
Sulfate (as SO4)	mg/L	1200	890	--	750	880	1000	1600	1800	820	890	890	1500	1200	--	750	--
Totalissolved Solids	mg/L	1800	1200	--	1200	1400	1600	2500	2700	2200	1400	1400	2200	1900	--	1900	--
Appendix IV																	
Antimony	mg/L	0.00059	0.00052	--	0.00069	0.0011 J	0.00064 J	0.0013	0.0011	0.00089	< 0.00050 U	0.0010	0.00046	0.00052	--	< 0.00010 U	--
Arsenic	mg/L	0.00099	0.00091	--	0.0016	0.0026 J	0.0012	0.0043	0.0058	0.0017	0.0019	0.0016	0.0028	0.0018	--	0.0014	--
Barium	mg/L	0.022	0.019	--	0.023	0.040	0.039	0.04	0.029	0.029	0.027	0.025	0.024	0.026	--	0.12	--
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	--	< 0.000052 U	< 0.00026 U	< 0.000052 U	0.00012 J	0.000066 J	< 0.000052 U	0.000057 J	< 0.000052 U	< 0.000052 U	< 0.000052 U	--	< 0.000052 U	--
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	--	< 0.000032 U	< 0.00016 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	--	< 0.000075 U	--
Chromium, Total	mg/L	0.00019 J	0.00028	--	0.00035	< 0.00088 U	0.00040	0.0010	0.00028	0.00063	0.00060	0.00028	0.00026	< 0.00020 U	--	0.0044	--
Cobalt	mg/L	0.00024 J	0.00028 J	--	0.00037 J	< 0.00050 U	0.00032 J	0.0011	0.00083	0.00063	0.00029 J	0.00012 J	0.00020 J	< 0.00010 U	--	0.00024 J	--
Fluoride	mg/L	2.6	2.0	--	2.3	2.7	3.5	5	5.3	3.7	2.3	2.7	4.2	3.7	--	1.6	--
Lead	mg/L	0.00033 J	0.00027 J	--	0.00047 J	0.0011 J	0.0013 J	0.0025 JD	0.00054 JD	0.00022 J	0.0015 JD	0.00071	< 0.00050 U	< 0.00010 U	--	< 0.00010 U	--
Lithium	mg/L	0.044	0.039	--	0.0089	0.043	0.056	0.072	0.084	0.064	0.049	0.059	0.091	0.076	--	0.056	--
Mercury	mg/L	< 0.00016 U	< 0.00016 U	--	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	--	< 0.00000016 U	--
Molybdenum	mg/L	0.0078	0.0066	--	0.0073	0.010	0.0072	0.013	0.016	0.016	0.0091	0.015	0.013	0.014	--	0.00096 J	--
Radium 226 and 228	pCi/L	< 0.408 U	< 0.497 U	--	< 0.672 U	< 0.809 U	< 0.803 U	1.82	< 0.788 U	< 0.641 U	0.651	< 0.564 U	< 0.892 U	< 0.591 U	--	< 0.535 U	--
Radium-226	pCi/L	< 0.11 U	< 0.109 U	--	< 0.167 U	< 0.213 U	0.264	0.233	< 0.133 U	< 0.2 U	0.186	< 0.213 U	0.25	< 0.14 U	--	< 0.326 U	--
Radium-228	pCi/L	< 0.408 U	< 0.497 U	--	< 0.672 U	< 0.809 U	< 0.803 U	1.59	< 0.788 U	< 0.641 U	< 0.639 U	< 0.564 U	< 0.892 U	< 0.591 U	--	< 0.535 U	--
Selenium	mg/L	0.0015	0.0014	--	0.0016	0.0013 J	0.0012	0.0023	0.0028	0.0024	0.0023	0.0024	0.0022	0.0034	--	0.00020 J	--
Thallium	mg/L	< 0.000075 U	< 0.000075 U	--	< 0.000075 U	< 0.00038 U	< 0.00038 U	< 0.00038 U	< 0.00038 U	< 0.000075 U	< 0.00038 U	0.000075 J	< 0.00038 U	< 0.000075 U	--	< 0.000075 U	--
Total Suspended Solids	mg/L	5.0	< 4.0 U	--	3.0 J	1.0 J	5.0	23	9.0	< 4 U	14	< 4.0 U	15	7.0	--	21	--
Michigan CCR Part 115																	
Copper	mg/L	0.00047	0.00048	--	0.012	0.0012	0.00056	0.0018	0.00071	0.00086	0.0013	0.0011	0.00082	0.00063	--	< 0.00020 U	--
Iron	mg/L	0.055	0.11	--	0.11	0.13	0.19	0.31	0.089	0.05	0.36	0.10	0.045 J	0.022 J	--	7	--
Nickel	mg/L	0.0025	0.0028	--	0.0027	< 0.0032 U	0.0022	0.0055	0.0041	0.0035	0.0037	0.0038	0.0030	0.0024	--	0.013	--
Silver	mg/L	< 0.000050 U	< 0.000050 U	--	< 0.000050 U	< 0.00025 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	--	< 0.000050 U	--
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	--	< 0.00062 U	< 0.0031 U	0.00094 J	0.0041	0.0065	< 0.00062 U	0.00097 J	0.0013	0.0038	0.0013	--	0.00094 J	--
Zinc	mg/L	0.0037	0.0023	--	0.0033	0.0061 J	0.0012	0.0070	0.0019	0.0086	0.0062	0.0020	0.0023	0.0026	--	< 0.0012 U	--
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	110	87	--	98	100	62	50	30	61	100	93	42	46	--	670	--
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	--	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	13	< 0.31 U	< 0.16 U	< 0.16 U	0.80 J	< 0.16 U	--	< 0.16 U	--
Magnesium	mg/L	41	30	--	33	29	35	53	62	57	44	43	61	55	--	140	--
Potassium	mg/L	15	10	--	9.8	9.1	10	17	21	12	9.1	8.9	8.4	8.4	--	20	--
Sodium	mg/L	24	20	--	21	19	22	39	40	34	26	26	39	34	--	74	--
Total Alkalinity	mg/L	110	87	--	98	100	62	50	43	61	100	93	43	46	--	670	--

Notes:

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mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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Sample Location:		SG-04R	SG-04R
Compliance Phase:		AM	AM
Sample Date:		10/20/2025	2/19/2025
Sample Type:		Field Sample	Field Sample
Unit:		Surface Water	Surface Water
Sample Matrix:		Surface Water	Surface Water
Constituent	**Unit**	**DRY**	**DRY**
Field Parameters			
Conductivity	mS/cm	--	--
Dissolved Oxygen	mg/L	--	--
Oxidation Reduction Potential	mV	--	--
pH	su	--	--
Temperature	deg c	--	--
Turbidity	NTU	--	--
Appendix III			
Boron	mg/L	--	--
Calcium	mg/L	--	--
Chloride	mg/L	--	--
Fluoride	mg/L	--	--
Sulfate (as SO4)	mg/L	--	--
Totalissolved Solids	mg/L	--	--
Appendix IV			
Antimony	mg/L	--	--
Arsenic	mg/L	--	--
Barium	mg/L	--	--
Beryllium	mg/L	--	--
Cadmium	mg/L	--	--
Chromium, Total	mg/L	--	--
Cobalt	mg/L	--	--
Fluoride	mg/L	--	--
Lead	mg/L	--	--
Lithium	mg/L	--	--
Mercury	mg/L	--	--
Molybdenum	mg/L	--	--
Radium 226 and 228	pCi/L	--	--
Radium-226	pCi/L	--	--
Radium-228	pCi/L	--	--
Selenium	mg/L	--	--
Thallium	mg/L	--	--
Total Suspended Solids	mg/L	--	--
Michigan CCR Part 115			
Copper	mg/L	--	--
Iron	mg/L	--	--
Nickel	mg/L	--	--
Silver	mg/L	--	--
Vanadium	mg/L	--	--
Zinc	mg/L	--	--
Additional Parameters			
Bicarbonate Alkalinity	mg/L	--	--
Carbonate Alkalinity	mg/L	--	--
Magnesium	mg/L	--	--
Potassium	mg/L	--	--
Sodium	mg/L	--	--
Total Alkalinity	mg/L	--	--

Notes:

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J+ Same as J, and the reported concentration is potentia

J– Same as J, and the reported concentration is potentia

UJ The analyte was not detected at a level greater than the reported adjusted MDL is approximate and might be i

R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		SG-05	SG-05	SG-05	SG-05	SG-05	SG-05	SG-05	SG-05	SG-05	SG-05	SG-05	SG-05	SG-05	SG-05	SG-05	SG-05
Compliance Phase:		Background	Background	Background	Background	Background	Background	Background	Background	AM	AM	AM	AM	AM	AM	AM	AM
Sample Date:		12/2/2022	1/5/2023	2/6/2023	3/14/2023	4/19/2023	5/23/2023	6/28/2023	8/8/2023	10/24/2023	2/14/2024	4/8/2024	7/17/2024	10/17/2024	2/3/2025	4/22/2025	8/11/2025
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Unit:		Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Sample Matrix:		Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Constituent	**Unit**														**DRY**		**DRY**
Field Parameters																	
Conductivity	mS/cm	0.731	0.98	--	0.742	1.11	0.75	0.61	0.359	0.91	0.75	0.8	0.465	1.06	--	0.898	--
Dissolved Oxygen	mg/L	6.85	13.1	--	15.74	6.77	7.83	11.25	11.39	11.73	0.59	8.37	7.51	4.59	--	10.6	--
Oxidation Reduction Potential	mV	142	-44.6	--	6.4	18.3	16.3	153.3	39.2	-28.7	134.6	34.6	-29	57.7	--	31.7	--
pH	su	7.44	8.02	--	8.28	7.88	8.31	6.73	9.19	7.87	7.67	8.4	9.4	7.51	--	8.22	--
Temperature	deg c	4.1	4	--	9.8	7.6	27.8	23.4	28.9	19.5	5.2	17.3	26.7	13.8	--	16.5	--
Turbidity	NTU	9.38	8.02	--	9.83	26.6	6.8	7.84	4.36	29.3	41.6	14.9	2.68	48.3	--	6.11	--
Appendix III																	
Boron	mg/L	0.59	0.60	--	0.48	0.57	0.36	0.46 J+	0.39	0.72	0.45	0.53	0.34	0.68	--	1.2	--
Calcium	mg/L	140	120	--	120	120	81	34	34	120	130	99	22	140	--	160	--
Chloride	mg/L	79	51	--	61	50	54	64	29	54	54	37	52	46	--	46	--
Fluoride	mg/L	0.73	0.98	--	0.94	0.69	0.30	0.42	0.45	0.79	0.68	0.83	0.32	0.65	--	1.1	--
Sulfate (as SO4)	mg/L	8.4 J	150	--	38 J	110	43	38	11	12	7.2	83	13	6	--	240	--
Totalissolved Solids	mg/L	620	630	--	460	570	400	320	210	510	520	440	240	630	--	750	--
Appendix IV																	
Antimony	mg/L	0.00018 J	0.000093 J	--	0.00030	0.0010 J	0.00029	0.0010	0.00044	0.00016 J	0.00011 J	0.00024 J	0.00030	0.00039	--	0.00027	--
Arsenic	mg/L	0.00084	0.00056	--	0.00071	0.0026 J	0.0017	0.0024	0.0013	0.00088	0.0010	0.00094	0.0017	0.0016	--	0.0012	--
Barium	mg/L	0.58	0.23	--	0.35	0.039	0.20	0.11	0.16	0.51	0.50	0.26	0.10	0.63	--	0.37	--
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	--	< 0.000052 U	< 0.00026 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.000062 J	--	< 0.000052 U	--
Cadmium	mg/L	< 0.000032 U	< 0.000032 U	--	< 0.000032 U	< 0.00016 U	< 0.000075 U	0.00011 J	0.00075	0.000094 J	0.00041	0.00013 J	< 0.000075 U	0.00067	--	< 0.000075 U	--
Chromium, Total	mg/L	0.00036	0.00024 J	--	0.00048	< 0.00088 U	0.00035	0.00049	0.0017	0.00039	0.0020	0.00056	0.00043	0.0038	--	0.00050	--
Cobalt	mg/L	0.00037 J	0.00025 J	--	0.00029 J	< 0.00050 U	0.00025 J	0.00032 J	0.00033 J	0.00027 J	0.00046 J	0.00024 J	0.00013 J	0.00085	--	0.00029 J	--
Fluoride	mg/L	0.73	0.98	--	0.94	0.69	0.30	0.42	0.45	0.79	0.68	0.83	0.32	0.65	--	1.1	--
Lead	mg/L	0.00023 J	0.00038 J	--	0.00045 J	0.0012 J	0.0022	0.0040	0.0095	0.0031	0.011	0.0031	0.0019	0.016	--	0.0011	--
Lithium	mg/L	0.038	0.033	--	0.0045	0.029	0.016	0.022	0.027	0.039	0.016	0.023	0.014	0.042	--	0.044	--
Mercury	mg/L	< 0.00016 U	< 0.00016 U	--	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	0.00017 J	< 0.00016 U	< 0.00016 U	< 0.00016 U	< 0.00016 U	--	0.0000019	--
Molybdenum	mg/L	0.00077 J	0.0029	--	0.0013	0.0090	0.0083	0.0087	0.0015	0.00085 J	0.00058 J	0.0024	0.0039	0.00078 J	--	0.0054	--
Radium 226 and 228	pCi/L	0.851	< 0.537 U	--	< 0.776 U	0.858	< 0.758 U	< 0.818 U	< 0.82 U	< 0.771 U	< 0.889 U	0.971	< 1.12 U	< 0.773 U	--	< 0.852 U	--
Radium-226	pCi/L	0.308	< 0.122 U	--	< 0.188 U	0.306	< 0.219 U	< 0.154 U	< 0.147 U	< 0.286 U	0.216	< 0.204 U	< 0.17 U	< 0.244 U	--	< 0.499 U	--
Radium-228	pCi/L	0.543	< 0.537 U	--	< 0.776 U	< 0.798 U	< 0.758 U	< 0.818 U	< 0.82 U	< 0.771 U	< 0.889 U	0.845	< 1.12 UG	< 0.773 U	--	< 0.852 U	--
Selenium	mg/L	< 0.00022 U	< 0.00022 U	--	< 0.00022 U	0.0013 J	0.00022 J	0.00038 J	0.00027 J	0.00017 J	0.00054	0.00014 J	0.00027 J	0.00039 J	--	0.00022 J	--
Thallium	mg/L	< 0.000075 U	< 0.000075 U	--	< 0.000075 U	< 0.00038 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U	--	< 0.000075 U	--
Total Suspended Solids	mg/L	5.0	7.9	--	8.0	17	6.0	14	73	12	120	8.0	4.0	74	--	17	--
Michigan CCR Part 115																	
Copper	mg/L	0.00029	0.00036	--	0.0089	0.0011 J	0.00084	0.0028	0.0066	0.0012	0.0063	0.0021	0.0015	0.011	--	0.00071	--
Iron	mg/L	3.0	1.5	--	2.7	3.2	1.1	0.74	1.1	2.9	7.2	1.9	1.0	7.2	--	1.6	--
Nickel	mg/L	0.0013	0.0015	--	0.0012	< 0.0032 U	0.0026	0.0034	0.0026	0.0012	0.0024	0.0017	0.0020	0.0047	--	0.0024	--
Silver	mg/L	< 0.000050 U	< 0.000050 U	--	0.000053	< 0.00025 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.00005 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U	--	< 0.000050 U	--
Vanadium	mg/L	< 0.00062 U	< 0.00062 U	--	< 0.00062 U	< 0.0031 U	< 0.00062 U	0.0012	0.00069 J	< 0.00062 U	< 0.00062 U	0.00071 J	0.00090 J	0.0020	--	0.0011 J	--
Zinc	mg/L	0.030	0.0018	--	0.0022	0.0060 J	0.0024	0.0090	0.019	0.043	0.019	0.0065	0.0033	0.055	--	0.0031	--
Additional Parameters																	
Bicarbonate Alkalinity	mg/L	490	270	--	290	290	240	65	96	400	400	240	63	490	--	320	--
Carbonate Alkalinity	mg/L	< 0.16 U	< 0.16 U	--	< 0.16 U	< 0.16 U	< 0.16 U	46	16	< 0.31 U	< 0.16 U	< 0.16 U	42	< 0.16 U	--	< 0.16 U	--
Magnesium	mg/L	27	23	--	26	26	25	21	12	24	26	23	19	29	--	33	--
Potassium	mg/L	8.1	6.5	--	7.9	6.8	4.3	0.31	0.79	8.5	7.9	5.1	0.32	7.8	--	8.6	--
Sodium	mg/L	43	30	--	38	34	37	44	21	40	43	30	30	45	--	45	--
Total Alkalinity	mg/L	490	270	--	290	290	240	110	110	400	400	240	100	490	--	320	--

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

Qualifiers:

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

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

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

Sample Location:		SG-05	SG-05
Compliance Phase:		AM	AM
Sample Date:		10/20/2025	2/19/2025
Sample Type:		Field Sample	Field Sample
Unit:		Surface Water	Surface Water
Sample Matrix:		Surface Water	Surface Water
Constituent	**Unit**	**DRY**	**DRY**
Field Parameters			
Conductivity	mS/cm	--	--
Dissolved Oxygen	mg/L	--	--
Oxidation Reduction Potential	mV	--	--
pH	su	--	--
Temperature	deg c	--	--
Turbidity	NTU	--	--
Appendix III			
Boron	mg/L	--	--
Calcium	mg/L	--	--
Chloride	mg/L	--	--
Fluoride	mg/L	--	--
Sulfate (as SO4)	mg/L	--	--
Totalissolved Solids	mg/L	--	--
Appendix IV			
Antimony	mg/L	--	--
Arsenic	mg/L	--	--
Barium	mg/L	--	--
Beryllium	mg/L	--	--
Cadmium	mg/L	--	--
Chromium, Total	mg/L	--	--
Cobalt	mg/L	--	--
Fluoride	mg/L	--	--
Lead	mg/L	--	--
Lithium	mg/L	--	--
Mercury	mg/L	--	--
Molybdenum	mg/L	--	--
Radium 226 and 228	pCi/L	--	--
Radium-226	pCi/L	--	--
Radium-228	pCi/L	--	--
Selenium	mg/L	--	--
Thallium	mg/L	--	--
Total Suspended Solids	mg/L	--	--
Michigan CCR Part 115			
Copper	mg/L	--	--
Iron	mg/L	--	--
Nickel	mg/L	--	--
Silver	mg/L	--	--
Vanadium	mg/L	--	--
Zinc	mg/L	--	--
Additional Parameters			
Bicarbonate Alkalinity	mg/L	--	--
Carbonate Alkalinity	mg/L	--	--
Magnesium	mg/L	--	--
Potassium	mg/L	--	--
Sodium	mg/L	--	--
Total Alkalinity	mg/L	--	--

Notes:

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mg/l = milligrams per liter.

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J– Same as J, and the reported concentration is potentia

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R The sample results are unusable due to the quality of analyte might or might not be present in the sample.

Sample Location:		SG-07	SG-07	SG-07	SG-07
Compliance Phase:		AM	AM	AM	AM
Sample Date:		4/22/2025	8/13/2025	10/22/2025	2/19/2026
Sample Type:		Field Sample	Field Sample	Field Sample	Field Sample
Unit:					
Sample Matrix:		Surface Water	Surface Water	Surface Water	Surface Water
Constituent	**Unit**				
Field Parameters					
Conductivity	mS/cm	0.4727	0.623	0.67	-99999
Dissolved Oxygen	mg/L	12.98	2.46	9.19	-99999
Oxidation Reduction Potential	mV	20.4	10.7	29	-99999
pH	su	8.44	8.33	8.07	-99999
Temperature	deg c	13.1	20.1	11.4	-99999
Turbidity	NTU	5.03	9.02	9.44	-99999
Appendix III					
Boron	mg/L	0.076	0.088	0.11	0.37 B
Calcium	mg/L	68	48	70	100
Chloride	mg/L	51	79	77	59
Fluoride	mg/L	0.16	0.16 JD	0.26	0.26
Sulfate (as SO4)	mg/L	44	45	54	100
Totalissolved Solids	mg/L	360	390	390	450
Appendix IV					
Antimony	mg/L	0.00013 J	0.00020 J	0.00018 J	0.00019 J
Arsenic	mg/L	0.00091	0.0023	0.00099	0.00086
Barium	mg/L	0.057	0.055	0.061	0.091
Beryllium	mg/L	< 0.000052 U	< 0.000052 U	< 0.000052 U	0.000074 J
Cadmium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Chromium, Total	mg/L	0.00051	0.00042	0.00063	0.00059
Cobalt	mg/L	0.00020 J	0.00020 J	0.00030 J	0.00040 J
Fluoride	mg/L	0.16	0.16 JD	0.26	0.26
Lead	mg/L	0.00049 J	0.00040 J	0.00075	0.0012
Lithium	mg/L	0.0035	0.0048	0.0040	0.0083
Mercury	mg/L	0.0000019	0.00000093	< 0.00000016 U	0.0000044
Molybdenum	mg/L	0.0017	0.0039	0.0021	0.0043
Radium 226 and 228	pCi/L	< 0.833 U	1.1	< 1.05 U	< 0.578 U
Radium-226	pCi/L	< 0.457 U	0.416	< 0.314 U	0.158
Radium-228	pCi/L	< 0.833 U	0.687	< 1.05 UG	< 0.578 U
Selenium	mg/L	0.00027 J	0.00019 J	0.00018 J	0.00020 J
Thallium	mg/L	< 0.000075 U	< 0.000075 U	< 0.000075 U	< 0.000075 U
Total Suspended Solids	mg/L	14	12	10	13
Michigan CCR Part 115					
Copper	mg/L	0.0016	0.0024	0.0018	0.0021
Iron	mg/L	0.32	0.15	0.38	1.0
Nickel	mg/L	0.0012	0.0016	0.0017	0.0019
Silver	mg/L	< 0.000050 U	< 0.000050 U	< 0.000050 U	< 0.000050 U
Vanadium	mg/L	0.00067 J	0.00086 J	0.00084 J	0.00080 J
Zinc	mg/L	0.0034	0.0060	0.0035	0.018
Additional Parameters					
Bicarbonate Alkalinity	mg/L	210	170	200	220
Carbonate Alkalinity	mg/L	6.3	< 0.31 U	< 0.16 U	< 0.16 U
Magnesium	mg/L	20	21	23	22
Potassium	mg/L	3.3	3.8	4.1	3.9
Sodium	mg/L	27	43	45	39
Total Alkalinity	mg/L	210	170	200	220

Notes:

ug/l - micrograms per liter.

mg/l = milligrams per liter.

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

pCi/L = picocuries per liter.

All metals were analyzed as total unless otherwise indicated.

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Appendix E

Laboratory Reports

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673

TRACE
ANALYTICAL LABORATORIES, INC.

231-773-5998 Phone
888-979-4469 Fax
www.trace-labs.com

April 10, 2026

Molly Reeves
HDR Michigan Inc.
1000 Oakbrook Dr., Suite 200
Ann Arbor, MI 48104

RE: Trace Project 26B0735
Client Project City of Grand Haven - Harbor Island

Enclosed are your analytical results. The results of this report relate only to the samples listed in the body of this report.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work, however, some results may have raised reporting limits to correct for percent solids.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink
Senior Project Manager
Enclosures

PJLA Testing Accreditation# 1031

Wisconsin Accreditation No. FID: 998044080 / TNI EL V1:2016

This report shall not be reproduced, except in full, without the written consent of Trace Analytical Laboratories, Inc.

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673

231-773-5998 Phone
888-979-4469 Fax
www.trace-labs.com

SAMPLE SUMMARY

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
26B0735-01	MW-34	Ground Water	AB/FDR	02/17/26 09:10	02/18/26 08:05
26B0735-02	MW-33	Ground Water	AB/FDR	02/17/26 10:30	02/18/26 08:05
26B0735-03	MW-27	Ground Water	AB/FDR	02/17/26 12:16	02/18/26 08:05
26B0735-04	MW-11	Ground Water	AB/FDR	02/17/26 19:10	02/18/26 08:05
26B0735-05	MWT-11	Ground Water	AB/FDR	02/17/26 19:10	02/18/26 08:05
26B0735-06	MWT-33	Ground Water	AB/FDR	02/17/26 10:30	02/18/26 08:05
26B0735-07	MW-06	Ground Water	AB/FDR	02/17/26 15:55	02/18/26 08:05
26B0735-08	MW-41	Ground Water	AB/FDR	02/17/26 15:35	02/18/26 08:05
26B0735-09	MW-10	Ground Water	AB/FDR	02/17/26 14:15	02/18/26 08:05
26B0735-10	MWT-10	Ground Water	AB/FDR	02/17/26 14:35	02/18/26 08:05
26B0735-11	MW-09	Ground Water	AB/FDR	02/17/26 12:25	02/18/26 08:05
26B0735-12	MW-02	Ground Water	AB/FDR	02/17/26 10:35	02/18/26 08:05
26B0735-13	MW-30	Ground Water	AB/FDR	02/16/26 15:55	02/18/26 08:05
26B0735-14	MW-31	Ground Water	AB/FDR	02/16/26 16:40	02/18/26 08:05
26B0735-15	MW-32	Ground Water	AB/FDR	02/16/26 13:55	02/18/26 08:05
26B0735-16	LL HGTB-02162026	Aqueous	AB/FDR	02/16/26 17:00	02/18/26 08:05
26B0735-17	LL HGTB-02172026	Aqueous	AB/FDR	02/17/26 16:50	02/18/26 08:05
26B0735-18	MW-08	Ground Water	AB/FDR	02/18/26 10:20	02/19/26 07:59
26B0735-19	MW-42	Ground Water	AB/FDR	02/18/26 11:55	02/19/26 07:59
26B0735-20	MW-17	Ground Water	AB/FDR	02/18/26 14:10	02/19/26 07:59
26B0735-21	MW-19	Ground Water	AB/FDR	02/18/26 15:25	02/19/26 07:59
26B0735-22	MW-28	Ground Water	AB/FDR	02/18/26 16:35	02/19/26 07:59
26B0735-23	LLHGTB-02182026	Aqueous	AB/FDR	02/18/26 17:10	02/19/26 07:59
26B0735-24	MW-36	Ground Water	AB/FDR	02/18/26 09:35	02/19/26 07:59
26B0735-25	MW-37	Ground Water	AB/FDR	02/18/26 11:20	02/19/26 07:59
26B0735-26	MW-38	Ground Water	AB/FDR	02/18/26 12:00	02/19/26 07:59
26B0735-27	MW-13	Ground Water	AB/FDR	02/18/26 13:10	02/19/26 07:59
26B0735-28	MW-12	Ground Water	AB/FDR	02/18/26 15:20	02/19/26 07:59
26B0735-29	MW-03	Ground Water	AB/FDR	02/19/26 09:36	02/20/26 08:02
26B0735-30	MW-04	Ground Water	AB/FDR	02/19/26 10:38	02/20/26 08:02
26B0735-31	MW-04R	Ground Water	AB/FDR	02/19/26 11:50	02/20/26 08:02
26B0735-32	MW-01RB	Ground Water	AB/FDR	02/19/26 14:08	02/20/26 08:02
26B0735-33	MW-01R	Ground Water	AB/FDR	02/19/26 15:40	02/20/26 08:02
26B0735-34	MW-16	Ground Water	AB/FDR	02/19/26 17:16	02/20/26 08:02
26B0735-35	SG-07	Ground Water	AB/FDR	02/19/26 17:30	02/20/26 08:02

CERTIFICATE OF ANALYSIS

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26B0735-36	LLHGTB-02192026	Aqueous	AB/FDR	02/19/26 17:45	02/18/26 08:05
26B0735-37	MW-07	Ground Water	AB/FDR	02/19/26 10:10	02/20/26 08:02
26B0735-38	MW-43	Ground Water	AB/FDR	02/19/26 12:15	02/20/26 08:02
26B0735-39	MW-20	Ground Water	AB/FDR	02/19/26 13:20	02/20/26 08:02
26B0735-40	MW-18	Ground Water	AB/FDR	02/19/26 14:40	02/20/26 08:02
26B0735-41	MW-39	Ground Water	AB/FDR	02/19/26 16:20	02/20/26 08:02

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-01 | Date Collected: 02/17/26 09:10 | Matrix: Ground Water
Sample ID: MW-34 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	**1.2**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/03/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**1.9**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**230**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.054**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**24**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**7.9**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**22**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	**0.00015**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Arsenic	**0.00070**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.51**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.000083**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	<0.000075	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000075
Chromium	**0.021**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.0015**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.00029**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.0021**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.00030**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**0.33**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**21**	**mg/L**	**1.5**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.2**
Sulfate as SO4	**0.59**	**mg/L**	**6.0**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**J**	**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-01 | Date Collected: 02/17/26 09:10 | Matrix: Ground Water
Sample ID: MW-34 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**970**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**970**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**720**	**mg/L**	**41**	**4.081633**	**02/18/26**	**eam**	**02/18/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	**100**	**mg/L**	**4.2**	**1.052632**	**02/18/26**	**eam**	**02/18/26**	**eam**		**4.2**
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**6.53**	**pH Units**		**1**	**02/17/26**	**sab**	**02/18/26**	**sab**	**H02, PH01ac**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-02 | Date Collected: 02/17/26 10:30 | Matrix: Ground Water
Sample ID: MW-33 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	**5.1**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**0.040**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**120**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.0021**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**J, N**	**0.0019**
Magnesium	**11**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**2.1**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**12**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	**0.0011**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.0013**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.049**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.00010**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	**0.00012**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000075**
Chromium	**0.0043**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00064**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.00019**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.0074**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.0014**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**0.43**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**29**	**mg/L**	**1.5**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.2**
Sulfate as SO4	**50**	**mg/L**	**6.0**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-02 | Date Collected: 02/17/26 10:30 | Matrix: Ground Water
Sample ID: MW-33 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**250**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**250**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**470**	**mg/L**	**30**	**2.985075**	**02/18/26**	**eam**	**02/18/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	<4.1	mg/L	4.1	1.030928	02/18/26	eam	02/18/26	eam		4.1
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**7.07**	**pH Units**		**1**	**02/17/26**	**sab**	**02/18/26**	**sab**	**PH01ad**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-03 | Date Collected: 02/17/26 12:16 | Matrix: Ground Water
Sample ID: MW-27 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	**0.62**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**0.25**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**160**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.0053**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**51**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**5.5**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**91**	**mg/L**	**0.62**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.44**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	<0.00010	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.00082**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.18**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.000072**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	<0.000075	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000075
Chromium	**0.014**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00045**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Lead	**0.00043**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.00057**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00025**
Selenium	**0.00018**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**0.39**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**130**	**mg/L**	**1.5**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.2**
Sulfate as SO4	**86**	**mg/L**	**6.0**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-03 | Date Collected: 02/17/26 12:16 | Matrix: Ground Water
Sample ID: MW-27 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**840**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**840**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**860**	**mg/L**	**30**	**2.985075**	**02/18/26**	**eam**	**02/18/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	**11**	**mg/L**	**4.0**	**1.010101**	**02/18/26**	**eam**	**02/18/26**	**eam**		**4.0**
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**6.85**	**pH Units**		**1**	**02/17/26**	**sab**	**02/18/26**	**sab**	**PH01ae**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-04 | Date Collected: 02/17/26 19:10 | Matrix: Ground Water
Sample ID: MW-11 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	**1.3**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**14**	**mg/L**	**0.044**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.026**
Calcium	**140**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.17**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**58**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**22**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**73**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	<0.00010	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.0038**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**1.1**	**mg/L**	**0.025**	**10**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.0030**
Beryllium	**0.000098**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	<0.000075	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000075
Chromium	**0.00095**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00057**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.00060**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Molybdenum	**0.0026**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.00026**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**1.6**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**74**	**mg/L**	**1.5**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.2**
Sulfate as SO4	<0.58	mg/L	6.0	10	02/18/26	aeo	02/19/26	ljs		0.58

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-04 Date Collected: 02/17/26 19:10 Matrix: Ground Water
Sample ID: MW-11 Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**660**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**660**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**710**	**mg/L**	**36**	**3.571429**	**02/18/26**	**eam**	**02/18/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	**39**	**mg/L**	**4.0**	**1.010101**	**02/18/26**	**eam**	**02/18/26**	**eam**		**4.0**
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**7.19**	**pH Units**		**1**	**02/17/26**	**sab**	**02/18/26**	**sab**	**PH01af**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-05 Date Collected: 02/17/26 19:10 Matrix: Ground Water
Sample ID: MWT-11 Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	**1.5**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**15**	**mg/L**	**0.044**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.026**
Calcium	**140**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.17**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**57**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**22**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**74**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	<0.00010	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.0041**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**1.1**	**mg/L**	**0.025**	**10**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.0030**
Beryllium	**0.000059**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	<0.000075	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000075
Chromium	**0.00092**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00071**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.00052**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.0027**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.00018**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**1.4**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**74**	**mg/L**	**1.5**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.2**
Sulfate as SO4	<0.58	mg/L	6.0	10	02/18/26	aeo	02/19/26	ljs		0.58

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-05 | Date Collected: 02/17/26 19:10 | Matrix: Ground Water
Sample ID: MWT-11 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**690**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**690**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**760**	**mg/L**	**40**	**4**	**02/18/26**	**eam**	**02/18/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	**43**	**mg/L**	**4.2**	**1.052632**	**02/18/26**	**eam**	**02/18/26**	**eam**		**4.2**
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**7.19**	**pH Units**		**1**	**02/17/26**	**sab**	**02/18/26**	**sab**	**PH01ag**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-06 | Date Collected: 02/17/26 10:30 | Matrix: Ground Water
Sample ID: MWT-33 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	**7.0**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**0.058**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**120**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.0029**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**12**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**2.2**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**13**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	**0.0011**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.0013**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.053**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000052
Cadmium	**0.00012**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000075**
Chromium	**0.0046**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00062**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.00022**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.0071**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.0016**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**0.43**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**29**	**mg/L**	**1.5**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.2**
Sulfate as SO4	**49**	**mg/L**	**6.0**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-06 | Date Collected: 02/17/26 10:30 | Matrix: Ground Water
Sample ID: MWT-33 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**260**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**260**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**490**	**mg/L**	**37**	**3.703704**	**02/18/26**	**eam**	**02/18/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	<4.2	mg/L	4.2	1.052632	02/18/26	eam	02/18/26	eam		4.2
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**7.10**	**pH Units**		**1**	**02/17/26**	**sab**	**02/18/26**	**sab**	**PH01ah**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-07 | Date Collected: 02/17/26 15:55 | Matrix: Ground Water
Sample ID: MW-06 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	<	ng/L	0.50	1	03/01/26	drm	03/02/26	drm		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**9.7**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**210**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.16**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**100**	**mg/L**	**0.25**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.050**
Potassium	**23**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**78**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	<0.00010	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.00037**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Barium	**1.4**	**mg/L**	**0.025**	**10**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.0030**
Beryllium	**0.000057**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	<0.000075	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000075
Chromium	**0.0011**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00036**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Lead	**0.00011**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.00025**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00025**
Selenium	**0.00021**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**1.3**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**35**	**mg/L**	**1.5**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.2**
Sulfate as SO4	**3.3**	**mg/L**	**6.0**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**J**	**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-07 | Date Collected: 02/17/26 15:55 | Matrix: Ground Water
Sample ID: MW-06 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**1100**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**1100**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**980**	**mg/L**	**40**	**4**	**02/18/26**	**eam**	**02/18/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	**31**	**mg/L**	**4.2**	**1.052632**	**02/18/26**	**eam**	**02/18/26**	**eam**		**4.2**
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**7.32**	**pH Units**		**1**	**02/17/26**	**sab**	**02/18/26**	**sab**	**PH01ai**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-08 | Date Collected: 02/17/26 15:35 | Matrix: Ground Water
Sample ID: MW-41 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	**16**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**28**	**mg/L**	**0.044**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.026**
Calcium	**220**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.57**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**120**	**mg/L**	**0.25**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.050**
Potassium	**33**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**420**	**mg/L**	**0.62**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.44**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	**0.00029**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.0022**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.21**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.000093**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	**0.000080**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000075**
Chromium	**0.0036**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.0012**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.0040**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Molybdenum	**0.0081**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.00050**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
METALS, DISSOLVED										
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179539										
Boron	**24**	**mg/L**	**0.18**	**5**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Calcium	**230**	**mg/L**	**2.5**	**5**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Lithium	**0.44**	**mg/L**	**0.025**	**1**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Magnesium	**110**	**mg/L**	**1.0**	**1**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-08 | Date Collected: 02/17/26 15:35 | Matrix: Ground Water
Sample ID: MW-41 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, DISSOLVED										
Potassium	**27**	**mg/L**	**1.0**	**1**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Sodium	**370**	**mg/L**	**2.5**	**5**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179528										
Antimony	<	mg/L	0.0020	1	02/18/26	cma	02/23/26	cma	N	
Arsenic	**0.0015**	**mg/L**	**0.0010**	**1**	**02/18/26**	**cma**	**02/23/26**	**cma**	**N**	
Barium	**0.13**	**mg/L**	**0.050**	**1**	**02/18/26**	**jm**	**02/23/26**	**cma**	**N**	
Beryllium	<	mg/L	0.0040	1	02/18/26	cma	02/23/26	cma	N	
Cadmium	<	mg/L	0.00050	1	02/18/26	cma	02/23/26	cma	N	
Chromium	<	mg/L	0.050	1	02/18/26	cma	02/23/26	cma	N	
Cobalt	<	mg/L	0.010	1	02/18/26	jm	02/23/26	cma	N	
Lead	<	mg/L	0.0010	1	02/18/26	cma	02/23/26	cma	N	
Molybdenum	**0.016**	**mg/L**	**0.010**	**1**	**02/18/26**	**cma**	**02/23/26**	**cma**	**N**	
Selenium	<	mg/L	0.0020	1	02/18/26	cma	02/23/26	cma	N	
Thallium	<	mg/L	0.0020	1	02/18/26	cma	02/23/26	cma	N	
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**1.1**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**420**	**mg/L**	**7.5**	**50**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**6.0**
Sulfate as SO4	**610**	**mg/L**	**30**	**50**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**2.9**
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**790**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**790**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**2300**	**mg/L**	**33**	**3.333333**	**02/18/26**	**eam**	**02/18/26**	**eam**		

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-08 | Date Collected: 02/17/26 15:35 | Matrix: Ground Water
Sample ID: MW-41 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	**65**	**mg/L**	**4.0**	**1**	**02/18/26**	**eam**	**02/18/26**	**eam**		**4.0**
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**7.56**	**pH Units**		**1**	**02/17/26**	**sab**	**02/18/26**	**sab**	**PH01aj**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-09 | Date Collected: 02/17/26 14:15 | Matrix: Ground Water
Sample ID: MW-10 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	<	ng/L	0.50	1	03/01/26	drm	03/02/26	drm		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**26**	**mg/L**	**0.044**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.026**
Calcium	**270**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**1.0**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**100**	**mg/L**	**0.25**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.050**
Potassium	**40**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**260**	**mg/L**	**0.62**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.44**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	<0.00010	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.00086**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.72**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000052
Cadmium	<0.000075	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000075
Chromium	**0.0052**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00037**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Lead	<0.00010	mg/L	0.00055	1	02/20/26	jrc	02/26/26	jma		0.00010
Molybdenum	**0.00089**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00025**
Selenium	**0.00030**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**5.6**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**400**	**mg/L**	**3.8**	**25**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**3.0**
Sulfate as SO4	**210**	**mg/L**	**15**	**25**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.4**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-09 | Date Collected: 02/17/26 14:15 | Matrix: Ground Water
Sample ID: MW-10 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**870**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**870**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**1800**	**mg/L**	**37**	**3.703704**	**02/18/26**	**eam**	**02/18/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	**8.2**	**mg/L**	**4.1**	**1.030928**	**02/18/26**	**eam**	**02/18/26**	**eam**		**4.1**
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**7.59**	**pH Units**		**1**	**02/17/26**	**sab**	**02/18/26**	**sab**	**PH01ak**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-10 Date Collected: 02/17/26 14:35 Matrix: Ground Water
Sample ID: MWT-10 Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	<	ng/L	0.50	1	03/01/26	drm	03/02/26	drm		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**26**	**mg/L**	**0.044**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.026**
Calcium	**260**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**1.0**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**98**	**mg/L**	**0.25**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.050**
Potassium	**39**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**250**	**mg/L**	**0.62**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.44**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	<0.00010	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.00075**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.70**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.00010**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	<0.000075	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000075
Chromium	**0.0050**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00036**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Lead	<0.00010	mg/L	0.00055	1	02/20/26	jrc	02/26/26	jma		0.00010
Molybdenum	**0.00083**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00025**
Selenium	**0.00027**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**5.7**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**400**	**mg/L**	**3.8**	**25**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**3.0**
Sulfate as SO4	**220**	**mg/L**	**15**	**25**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.4**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-10 | Date Collected: 02/17/26 14:35 | Matrix: Ground Water
Sample ID: MWT-10 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**870**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**870**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**1900**	**mg/L**	**33**	**3.333333**	**02/18/26**	**eam**	**02/18/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	**10**	**mg/L**	**4.0**	**1.010101**	**02/18/26**	**eam**	**02/18/26**	**eam**		**4.0**
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**7.59**	**pH Units**		**1**	**02/17/26**	**sab**	**02/18/26**	**sab**	**PH01n**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-11 Date Collected: 02/17/26 12:25 Matrix: Ground Water
Sample ID: MW-09 Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	<	ng/L	0.50	1	03/01/26	drm	03/02/26	drm		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**4.9**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**510**	**mg/L**	**2.6**	**10**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.37**
Lithium	**0.35**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**81**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**14**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**39**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	**0.00016**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Arsenic	**0.00082**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.061**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.000064**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	**0.00068**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.000075**
Chromium	**0.0011**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00061**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.00014**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.033**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.0035**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**2.6**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**53**	**mg/L**	**1.5**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.2**
Sulfate as SO4	**970**	**mg/L**	**60**	**100**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**5.8**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-11 | Date Collected: 02/17/26 12:25 | Matrix: Ground Water
Sample ID: MW-09 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**600**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**600**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**2100**	**mg/L**	**33**	**3.333333**	**02/18/26**	**eam**	**02/18/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	**15**	**mg/L**	**4.1**	**1.030928**	**02/18/26**	**eam**	**02/18/26**	**eam**		**4.1**
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**7.18**	**pH Units**		**1**	**02/17/26**	**sab**	**02/18/26**	**sab**	**PH01o**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-12 | Date Collected: 02/17/26 10:35 | Matrix: Ground Water
Sample ID: MW-02 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	**3.2**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/03/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179584										
Boron	**190**	**mg/L**	**0.18**	**20**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.10**
Calcium	**170**	**mg/L**	**1.3**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**2.5**	**mg/L**	**0.012**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0094**
Magnesium	**56**	**mg/L**	**0.10**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**72**	**mg/L**	**0.25**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**470**	**mg/L**	**1.2**	**10**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.88**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179584										
Antimony	**0.00044**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.010**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.52**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.00028**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.000052**
Cadmium	**0.000093**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000075**
Chromium	**0.066**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.012**	**mg/L**	**0.00052**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.0051**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Molybdenum	**0.029**	**mg/L**	**0.0012**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.0022**	**mg/L**	**0.00050**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/23/26	jrc	02/26/26	jma		0.000075
METALS, DISSOLVED										
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179539										
Boron	**180**	**mg/L**	**0.35**	**10**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Calcium	**170**	**mg/L**	**2.5**	**5**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Lithium	**2.1**	**mg/L**	**0.075**	**5**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Magnesium	**50**	**mg/L**	**1.5**	**5**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-12 | Date Collected: 02/17/26 10:35 | Matrix: Ground Water
Sample ID: MW-02 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, DISSOLVED										
Potassium	**59**	**mg/L**	**5.0**	**5**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Sodium	**450**	**mg/L**	**2.5**	**5**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179528										
Antimony	<	mg/L	0.0020	1	02/18/26	cma	02/23/26	cma	N	
Arsenic	**0.0097**	**mg/L**	**0.0010**	**1**	**02/18/26**	**cma**	**02/23/26**	**cma**	**N**	
Barium	**0.50**	**mg/L**	**0.050**	**1**	**02/18/26**	**cma**	**02/23/26**	**cma**	**N**	
Beryllium	<	mg/L	0.0040	1	02/18/26	cma	02/23/26	cma	N	
Cadmium	<	mg/L	0.00050	1	02/18/26	cma	02/23/26	cma	N	
Chromium	**0.054**	**mg/L**	**0.050**	**1**	**02/18/26**	**cma**	**02/23/26**	**cma**	**N**	
Cobalt	**0.012**	**mg/L**	**0.010**	**1**	**02/18/26**	**cma**	**02/23/26**	**cma**	**N**	
Lead	**0.0075**	**mg/L**	**0.0010**	**1**	**02/18/26**	**cma**	**02/23/26**	**cma**	**N**	
Molybdenum	**0.014**	**mg/L**	**0.010**	**1**	**02/18/26**	**cma**	**02/23/26**	**cma**	**N**	
Selenium	**0.0027**	**mg/L**	**0.0020**	**1**	**02/18/26**	**cma**	**02/23/26**	**cma**	**N**	
Thallium	<	mg/L	0.0020	1	02/18/26	cma	02/23/26	cma	N	
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**15**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**150**	**mg/L**	**1.5**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.2**
Sulfate as SO4	**1.6**	**mg/L**	**6.0**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**J**	**0.58**
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**2900**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**2900**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**2500**	**mg/L**	**100**	**10**	**02/18/26**	**eam**	**02/18/26**	**eam**		

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-12 | Date Collected: 02/17/26 10:35 | Matrix: Ground Water
Sample ID: MW-02 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	<4.1	mg/L	4.1	1.030928	02/18/26	eam	02/18/26	eam		4.1
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**7.25**	**pH Units**		**1**	**02/17/26**	**sab**	**02/18/26**	**sab**	**PH01p**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-13 Date Collected: 02/16/26 15:55 Matrix: Ground Water
Sample ID: MW-30 Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	<	ng/L	0.50	1	03/01/26	drm	03/02/26	drm		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**2.0**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**560**	**mg/L**	**2.6**	**10**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.37**
Lithium	**0.16**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**140**	**mg/L**	**0.25**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.050**
Potassium	**16**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**310**	**mg/L**	**0.62**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.44**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	**0.00048**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.0020**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.11**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000052
Cadmium	<0.000075	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000075
Chromium	**0.0056**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.0055**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	<0.00050	mg/L	0.0028	5	02/20/26	jrc	02/26/26	jma		0.00050
Molybdenum	**0.0013**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.00020**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.00038	mg/L	0.0019	5	02/20/26	jrc	02/26/26	jma		0.00038
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**1.0**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**890**	**mg/L**	**15**	**100**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**12**
Sulfate as SO4	**620**	**mg/L**	**60**	**100**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**5.8**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-13 | Date Collected: 02/16/26 15:55 | Matrix: Ground Water
Sample ID: MW-30 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**750**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**750**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**3000**	**mg/L**	**32**	**3.225806**	**02/18/26**	**eam**	**02/18/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	**7.4**	**mg/L**	**4.2**	**1.052632**	**02/18/26**	**eam**	**02/18/26**	**eam**		**4.2**
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**7.20**	**pH Units**		**1**	**02/16/26**	**sab**	**02/18/26**	**sab**	**H04, PH01q**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-14 | Date Collected: 02/16/26 16:40 | Matrix: Ground Water
Sample ID: MW-31 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	**2.7**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**6.6**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**330**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.073**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**65**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**14**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**68**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	**0.0011**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.0082**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.20**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.000090**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	<0.000075	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000075
Chromium	**0.0039**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.0011**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.00044**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.013**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.038**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
METALS, DISSOLVED										
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179539										
Boron	**6.1**	**mg/L**	**0.050**	**1**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Calcium	**320**	**mg/L**	**2.5**	**5**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Lithium	**0.062**	**mg/L**	**0.025**	**1**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Magnesium	**61**	**mg/L**	**1.0**	**1**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-14 | Date Collected: 02/16/26 16:40 | Matrix: Ground Water
Sample ID: MW-31 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, DISSOLVED										
Potassium	**12**	**mg/L**	**1.0**	**1**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Sodium	**60**	**mg/L**	**1.0**	**1**	**02/19/26**	**drm**	**02/19/26**	**drm**	**N**	
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179528										
Antimony	<	mg/L	0.0020	1	02/18/26	cma	02/23/26	cma	N	
Arsenic	**0.0043**	**mg/L**	**0.0010**	**1**	**02/18/26**	**cma**	**02/23/26**	**cma**	**N**	
Barium	**0.18**	**mg/L**	**0.050**	**1**	**02/18/26**	**cma**	**02/23/26**	**cma**	**N**	
Beryllium	<	mg/L	0.0040	1	02/18/26	cma	02/23/26	cma	N	
Cadmium	<	mg/L	0.00050	1	02/18/26	cma	02/23/26	cma	N	
Chromium	<	mg/L	0.050	1	02/18/26	cma	02/23/26	cma	N	
Cobalt	<	mg/L	0.010	1	02/18/26	cma	02/23/26	cma	N	
Lead	<	mg/L	0.0010	1	02/18/26	cma	02/23/26	cma	N	
Molybdenum	**0.012**	**mg/L**	**0.010**	**1**	**02/18/26**	**cma**	**02/23/26**	**cma**	**N**	
Selenium	**0.043**	**mg/L**	**0.0020**	**1**	**02/18/26**	**cma**	**02/23/26**	**cma**	**N**	
Thallium	<	mg/L	0.0020	1	02/18/26	cma	02/23/26	cma	N	
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**2.8**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**120**	**mg/L**	**1.5**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.2**
Sulfate as SO4	**650**	**mg/L**	**30**	**50**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**2.9**
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**430**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**430**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**1500**	**mg/L**	**37**	**3.703704**	**02/18/26**	**eam**	**02/18/26**	**eam**		

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-14 | Date Collected: 02/16/26 16:40 | Matrix: Ground Water
Sample ID: MW-31 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	**24**	**mg/L**	**4.0**	**1.010101**	**02/18/26**	**eam**	**02/18/26**	**eam**		**4.0**
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**7.42**	**pH Units**		**1**	**02/16/26**	**sab**	**02/18/26**	**sab**	**H04, PH01r**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-15 Date Collected: 02/16/26 13:55 Matrix: Ground Water
Sample ID: MW-32 Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	<	ng/L	0.50	1	03/01/26	drm	03/03/26	drm		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**4.0**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**230**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.14**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**37**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**9.2**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**31**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	<0.00010	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.00038**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Barium	**0.39**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000052
Cadmium	**0.00020**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000075**
Chromium	**0.00037**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00057**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	<0.00010	mg/L	0.00055	1	02/20/26	jrc	02/26/26	jma		0.00010
Molybdenum	**0.0018**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	<0.00010	mg/L	0.00050	1	02/20/26	jrc	02/26/26	jma		0.00010
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179492										
Fluoride	**1.1**	**mg/L**	**0.20**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**	**N**	**0.11**
Chloride	**47**	**mg/L**	**1.5**	**10**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.2**
Sulfate as SO4	**240**	**mg/L**	**15**	**25**	**02/18/26**	**aeo**	**02/19/26**	**ljs**		**1.4**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-15 | Date Collected: 02/16/26 13:55 | Matrix: Ground Water
Sample ID: MW-32 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179503										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**470**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/18/26	mr	02/18/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**470**	**mg/L**	**5.0**	**1**	**02/18/26**	**mr**	**02/18/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179497										
Total Dissolved Solids	**850**	**mg/L**	**37**	**3.703704**	**02/18/26**	**eam**	**02/18/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179498										
Total Suspended Solids	**59**	**mg/L**	**4.3**	**1.06383**	**02/18/26**	**eam**	**02/18/26**	**eam**		**4.3**
Analysis Method: SM 4500-H+ B-11										
Batch: T179556										
pH	**7.30**	**pH Units**		**1**	**02/16/26**	**sab**	**02/18/26**	**sab**	**H04, PH01s**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-16 | Date Collected: 02/16/26 17:00 | Matrix: Aqueous
Sample ID: LL HGTB-02162026 | Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	<	ng/L	0.20	1	03/01/26	drm	03/02/26	drm		

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-17 Date Collected: 02/17/26 16:50 Matrix: Aqueous
Sample ID: LL HGTB-02172026 Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	<	ng/L	0.20	1	03/01/26	drm	03/02/26	drm		

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-18 | Date Collected: 02/18/26 10:20 | Matrix: Ground Water
Sample ID: MW-08 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	<	ng/L	0.50	1	03/01/26	drm	03/02/26	drm		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**5.7**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**96**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.083**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**23**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**9.0**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**34**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	<0.00010	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.091**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**1.4**	**mg/L**	**0.025**	**10**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.0030**
Beryllium	<0.000052	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000052
Cadmium	<0.000075	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000075
Chromium	**0.00042**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00034**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Lead	<0.00010	mg/L	0.00055	1	02/20/26	jrc	02/26/26	jma		0.00010
Molybdenum	**0.0041**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.00012**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179546										
Fluoride	**1.4**	**mg/L**	**0.20**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**	**N**	**0.11**
Chloride	**32**	**mg/L**	**1.5**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**1.2**
Sulfate as SO4	<0.58	mg/L	6.0	10	02/19/26	aeo	02/20/26	ljs		0.58

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-18 | Date Collected: 02/18/26 10:20 | Matrix: Ground Water
Sample ID: MW-08 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179550										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**370**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/19/26	mr	02/19/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**370**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179548										
Total Dissolved Solids	**320**	**mg/L**	**38**	**3.846154**	**02/19/26**	**eam**	**02/19/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179549										
Total Suspended Solids	**9.1**	**mg/L**	**4.0**	**1.010101**	**02/19/26**	**eam**	**02/19/26**	**eam**		**4.0**
Analysis Method: SM 4500-H+ B-11										
Batch: T179601										
pH	**7.57**	**pH Units**		**1**	**02/18/26**	**mj**	**02/19/26**	**mcr**	**PH01t**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-19 | Date Collected: 02/18/26 11:55 | Matrix: Ground Water
Sample ID: MW-42 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	**12**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**1.2**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**350**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.13**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**130**	**mg/L**	**0.25**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.050**
Potassium	**18**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**89**	**mg/L**	**0.62**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.44**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	**0.00072**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.00085**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.070**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000052
Cadmium	**0.0037**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.000075**
Chromium	**0.00048**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.016**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.011**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Molybdenum	**0.0022**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.0029**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179546										
Fluoride	**0.27**	**mg/L**	**0.20**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**	**N**	**0.11**
Chloride	**130**	**mg/L**	**1.5**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**1.2**
Sulfate as SO4	**960**	**mg/L**	**60**	**100**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**5.8**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-19 | Date Collected: 02/18/26 11:55 | Matrix: Ground Water
Sample ID: MW-42 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179550										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**450**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/19/26	mr	02/19/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**450**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179548										
Total Dissolved Solids	**2000**	**mg/L**	**32**	**3.225806**	**02/19/26**	**eam**	**02/19/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179549										
Total Suspended Solids	**16**	**mg/L**	**4.0**	**1.010101**	**02/19/26**	**eam**	**02/19/26**	**eam**		**4.0**
Analysis Method: SM 4500-H+ B-11										
Batch: T179601										
pH	**6.83**	**pH Units**		**1**	**02/18/26**	**mj**	**02/19/26**	**mcr**	**PH01u**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-20 | Date Collected: 02/18/26 14:10 | Matrix: Ground Water
Sample ID: MW-17 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179866										
Mercury	**2.5**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**0.32**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**98**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.016**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**19**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**8.8**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**22**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	**0.0015**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.0014**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.28**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000052
Cadmium	**0.00011**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000075**
Chromium	**0.0024**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00089**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.00052**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.013**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.0015**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179546										
Fluoride	**0.74**	**mg/L**	**0.20**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**	**N**	**0.11**
Chloride	**10**	**mg/L**	**1.5**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**1.2**
Sulfate as SO4	**50**	**mg/L**	**6.0**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-20 | Date Collected: 02/18/26 14:10 | Matrix: Ground Water
Sample ID: MW-17 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179550										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**300**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/19/26	mr	02/19/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**300**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179548										
Total Dissolved Solids	**360**	**mg/L**	**36**	**3.571429**	**02/19/26**	**eam**	**02/19/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179549										
Total Suspended Solids	<4.2	mg/L	4.2	1.041667	02/19/26	eam	02/19/26	eam		4.2
Analysis Method: SM 4500-H+ B-11										
Batch: T179601										
pH	**7.45**	**pH Units**		**1**	**02/18/26**	**mj**	**02/19/26**	**mcr**	**PH01v**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-21 | Date Collected: 02/18/26 15:25 | Matrix: Ground Water
Sample ID: MW-19 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	<	ng/L	0.50	1	03/01/26	drm	03/02/26	drm		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**2.3**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**380**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.078**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**33**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**12**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**26**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	**0.00062**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.0012**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.031**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.00011**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	**0.00025**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.000075**
Chromium	**0.00020**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00020**
Cobalt	**0.00066**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	<0.00010	mg/L	0.00055	1	02/20/26	jrc	02/26/26	jma		0.00010
Molybdenum	**0.019**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.0036**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179546										
Fluoride	**1.5**	**mg/L**	**0.20**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**	**N**	**0.11**
Chloride	**22**	**mg/L**	**1.5**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**1.2**
Sulfate as SO4	**800**	**mg/L**	**60**	**100**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**5.8**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-21 | Date Collected: 02/18/26 15:25 | Matrix: Ground Water
Sample ID: MW-19 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179550										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**280**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/19/26	mr	02/19/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**280**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179548										
Total Dissolved Solids	**1400**	**mg/L**	**38**	**3.846154**	**02/19/26**	**eam**	**02/19/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179549										
Total Suspended Solids	<4.2	mg/L	4.2	1.052632	02/19/26	eam	02/19/26	eam		4.2
Analysis Method: SM 4500-H+ B-11										
Batch: T179601										
pH	**6.82**	**pH Units**		**1**	**02/18/26**	**mj**	**02/19/26**	**mcr**	**PH01v**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-22 | Date Collected: 02/18/26 16:35 | Matrix: Ground Water
Sample ID: MW-28 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	**37**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179567										
Boron	**0.34**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**120**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.0046**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**29**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**4.1**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**21**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179567										
Antimony	**0.0021**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.00076**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.15**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000052
Cadmium	**0.0037**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.000075**
Chromium	**0.0018**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.0026**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.0076**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Molybdenum	**0.0044**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.0017**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179546										
Fluoride	**0.40**	**mg/L**	**0.20**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**	**N**	**0.11**
Chloride	**41**	**mg/L**	**1.5**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**1.2**
Sulfate as SO4	**45**	**mg/L**	**6.0**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-22 | Date Collected: 02/18/26 16:35 | Matrix: Ground Water
Sample ID: MW-28 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179550										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**320**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/19/26	mr	02/19/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**320**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179548										
Total Dissolved Solids	**480**	**mg/L**	**37**	**3.703704**	**02/19/26**	**eam**	**02/19/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179549										
Total Suspended Solids	<4.0	mg/L	4.0	1	02/19/26	eam	02/19/26	eam		4.0
Analysis Method: SM 4500-H+ B-11										
Batch: T179601										
pH	**6.61**	**pH Units**		**1**	**02/18/26**	**mj**	**02/19/26**	**mcr**	**PH01w**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-23 Date Collected: 02/18/26 17:10 Matrix: Aqueous
Sample ID: LLHGTB-02182026 Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	<	ng/L	0.20	1	03/01/26	drm	03/02/26	drm		

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-24 Date Collected: 02/18/26 09:35 Matrix: Ground Water
Sample ID: MW-36 Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	**11**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179585										
Boron	**0.30**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**70**	**mg/L**	**0.26**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.037**
Lithium	**0.0073**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**9.9**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**46**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**56**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179585										
Antimony	**0.00057**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.0092**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.17**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000052
Cadmium	**0.00010**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000075**
Chromium	**0.0011**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00021**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Lead	**0.0075**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Molybdenum	**0.023**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.00065**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179546										
Fluoride	**0.67**	**mg/L**	**0.20**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**	**N**	**0.11**
Chloride	**25**	**mg/L**	**1.5**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**1.2**
Sulfate as SO4	**8.5**	**mg/L**	**6.0**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-24 | Date Collected: 02/18/26 09:35 | Matrix: Ground Water
Sample ID: MW-36 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179636										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**290**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	**71**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Total Alkalinity as CaCO3 at pH 4.5	**360**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179548										
Total Dissolved Solids	**420**	**mg/L**	**37**	**3.703704**	**02/19/26**	**eam**	**02/19/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179549										
Total Suspended Solids	<4.1	mg/L	4.1	1.020408	02/19/26	eam	02/19/26	eam		4.1
Analysis Method: SM 4500-H+ B-11										
Batch: T179601										
pH	**8.79**	**pH Units**		**1**	**02/18/26**	**mj**	**02/19/26**	**mcr**	**PH01x**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-25 Date Collected: 02/18/26 11:20 Matrix: Ground Water
Sample ID: MW-37 Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	**1.1**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179585										
Boron	**3.7**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**200**	**mg/L**	**1.3**	**5**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.011**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**14**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**21**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**35**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179585										
Antimony	<0.00010	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.00064**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.098**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000052
Cadmium	<0.000075	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000075
Chromium	**0.00022**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00020**
Cobalt	**0.00029**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Lead	**0.00011**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.0095**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.00047**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179546										
Fluoride	**0.52**	**mg/L**	**0.20**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**	**N**	**0.11**
Chloride	**9.7**	**mg/L**	**1.5**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**1.2**
Sulfate as SO4	**320**	**mg/L**	**15**	**25**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**1.4**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-25 | Date Collected: 02/18/26 11:20 | Matrix: Ground Water
Sample ID: MW-37 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179550										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**320**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/19/26	mr	02/19/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**320**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179548										
Total Dissolved Solids	**800**	**mg/L**	**40**	**4**	**02/19/26**	**eam**	**02/19/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179549										
Total Suspended Solids	**4.0**	**mg/L**	**4.0**	**1**	**02/19/26**	**eam**	**02/19/26**	**eam**		**4.0**
Analysis Method: SM 4500-H+ B-11										
Batch: T179601										
pH	**7.44**	**pH Units**		**1**	**02/18/26**	**mj**	**02/19/26**	**mcr**	**PH01y**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-26 Date Collected: 02/18/26 12:00 Matrix: Ground Water
Sample ID: MW-38 Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	**27**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179585										
Boron	**0.54**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**87**	**mg/L**	**0.26**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.037**
Lithium	**0.055**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**2.5**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**41**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**40**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179585										
Antimony	**0.00066**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.0032**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.048**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000052
Cadmium	**0.00016**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000075**
Chromium	**0.0028**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00028**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Lead	**0.0099**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Molybdenum	**0.013**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.00069**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179546										
Fluoride	**0.59**	**mg/L**	**0.20**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**	**N**	**0.11**
Chloride	**14**	**mg/L**	**1.5**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**1.2**
Sulfate as SO4	**160**	**mg/L**	**6.0**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-26 | Date Collected: 02/18/26 12:00 | Matrix: Ground Water
Sample ID: MW-38 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179550										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**80**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	**29**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**	**N**	**0.16**
Total Alkalinity as CaCO3 at pH 4.5	**110**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179548										
Total Dissolved Solids	**390**	**mg/L**	**42**	**4.166667**	**02/19/26**	**eam**	**02/19/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179549										
Total Suspended Solids	<4.0	mg/L	4.0	1	02/19/26	eam	02/19/26	eam		4.0
Analysis Method: SM 4500-H+ B-11										
Batch: T179601										
pH	**8.85**	**pH Units**		**1**	**02/18/26**	**mj**	**02/19/26**	**mcr**	**PH01z**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-27 Date Collected: 02/18/26 13:10 Matrix: Ground Water
Sample ID: MW-13 Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	<	ng/L	0.50	1	03/01/26	drm	03/02/26	drm		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179585										
Boron	**1.4**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**460**	**mg/L**	**2.6**	**10**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.37**
Lithium	**0.053**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**36**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**9.3**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**16**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179585										
Antimony	<0.00010	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.00043**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Barium	**0.20**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000052
Cadmium	<0.000075	mg/L	0.00025	1	02/20/26	jrc	02/26/26	jma		0.000075
Chromium	**0.0019**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	<0.00010	mg/L	0.00052	1	02/20/26	jrc	02/26/26	jma		0.00010
Lead	<0.00010	mg/L	0.00055	1	02/20/26	jrc	02/26/26	jma		0.00010
Molybdenum	**0.00095**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00025**
Selenium	**0.00017**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179546										
Fluoride	**0.64**	**mg/L**	**0.20**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**	**N**	**0.11**
Chloride	**8.6**	**mg/L**	**1.5**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**1.2**
Sulfate as SO4	**690**	**mg/L**	**60**	**100**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**5.8**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-27 | Date Collected: 02/18/26 13:10 | Matrix: Ground Water
Sample ID: MW-13 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179550										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**560**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/19/26	mr	02/19/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**560**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179548										
Total Dissolved Solids	**1500**	**mg/L**	**37**	**3.703704**	**02/19/26**	**eam**	**02/19/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179549										
Total Suspended Solids	<4.3	mg/L	4.3	1.075269	02/19/26	eam	02/19/26	eam		4.3
Analysis Method: SM 4500-H+ B-11										
Batch: T179601										
pH	**7.21**	**pH Units**		**1**	**02/18/26**	**mj**	**02/19/26**	**mcr**	**PH01aa**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-28 | Date Collected: 02/18/26 15:20 | Matrix: Ground Water
Sample ID: MW-12 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	**1.1**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179585										
Boron	**0.23**	**mg/L**	**0.0088**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**52**	**mg/L**	**0.26**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.037**
Lithium	<0.0019	mg/L	0.0025	1	02/20/26	jrc	02/28/26	drm	N	0.0019
Magnesium	**14**	**mg/L**	**0.10**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**0.75**	**mg/L**	**0.25**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**10**	**mg/L**	**0.12**	**1**	**02/20/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179585										
Antimony	**0.0015**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.0020**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.050**	**mg/L**	**0.0025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.000066**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	**0.0027**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.000075**
Chromium	**0.00042**	**mg/L**	**0.00025**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00029**	**mg/L**	**0.00052**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Lead	**0.00080**	**mg/L**	**0.00055**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Molybdenum	**0.0042**	**mg/L**	**0.0012**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.0045**	**mg/L**	**0.00050**	**1**	**02/20/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/20/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179546										
Fluoride	**0.26**	**mg/L**	**0.20**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**	**N**	**0.11**
Chloride	**19**	**mg/L**	**1.5**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**1.2**
Sulfate as SO4	**55**	**mg/L**	**6.0**	**10**	**02/19/26**	**aeo**	**02/20/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-28 | Date Collected: 02/18/26 15:20 | Matrix: Ground Water
Sample ID: MW-12 | Date Received: 02/19/26 07:59

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179550										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**130**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/19/26	mr	02/19/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**130**	**mg/L**	**5.0**	**1**	**02/19/26**	**mr**	**02/19/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179548										
Total Dissolved Solids	**260**	**mg/L**	**36**	**3.571429**	**02/19/26**	**eam**	**02/19/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179549										
Total Suspended Solids	<4.0	mg/L	4.0	1.010101	02/19/26	eam	02/19/26	eam		4.0
Analysis Method: SM 4500-H+ B-11										
Batch: T179601										
pH	**7.59**	**pH Units**		**1**	**02/18/26**	**mj**	**02/19/26**	**mcr**	**PH01ab**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-29 Date Collected: 02/19/26 09:36 Matrix: Ground Water
Sample ID: MW-03 Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	<	ng/L	0.50	1	03/01/26	drm	03/02/26	drm		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179584										
Boron	**3.7**	**mg/L**	**0.0088**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**310**	**mg/L**	**1.3**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.030**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**160**	**mg/L**	**0.25**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.050**
Potassium	**16**	**mg/L**	**0.25**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**78**	**mg/L**	**0.12**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179584										
Antimony	<0.00010	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.00066**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.33**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.000072**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	<0.000075	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.000075
Chromium	**0.0031**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00053**	**mg/L**	**0.00052**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	<0.00010	mg/L	0.00055	1	02/23/26	jrc	02/26/26	jma		0.00010
Molybdenum	**0.00067**	**mg/L**	**0.0012**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00025**
Selenium	**0.00035**	**mg/L**	**0.00050**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/23/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179599										
Fluoride	**0.76**	**mg/L**	**0.20**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**	**N**	**0.11**
Chloride	**99**	**mg/L**	**1.5**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**1.2**
Sulfate as SO4	**29**	**mg/L**	**6.0**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-29 | Date Collected: 02/19/26 09:36 | Matrix: Ground Water
Sample ID: MW-03 | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179636										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**1500**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/22/26	mr	02/22/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**1500**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179606										
Total Dissolved Solids	**1600**	**mg/L**	**40**	**4**	**02/20/26**	**eam**	**02/20/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179605										
Total Suspended Solids	<4.2	mg/L	4.2	1.041667	02/20/26	eam	02/20/26	eam		4.2
Analysis Method: SM 4500-H+ B-11										
Batch: T179631										
pH	**7.35**	**pH Units**		**1**	**02/19/26**	**mj**	**02/20/26**	**mj**	**PH01**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-30 Date Collected: 02/19/26 10:38 Matrix: Ground Water
Sample ID: MW-04 Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	<	ng/L	0.50	1	03/01/26	drm	03/02/26	drm		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179584										
Boron	**0.68**	**mg/L**	**0.0088**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**310**	**mg/L**	**1.3**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.033**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**35**	**mg/L**	**0.10**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**3.4**	**mg/L**	**0.25**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**13**	**mg/L**	**0.12**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179584										
Antimony	<0.00010	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.0059**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.091**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.000093**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	<0.000075	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.000075
Chromium	**0.00074**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.0018**	**mg/L**	**0.00052**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.00042**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.013**	**mg/L**	**0.0012**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.00016**	**mg/L**	**0.00050**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/23/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179599										
Fluoride	**2.1**	**mg/L**	**0.20**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**	**N**	**0.11**
Chloride	**11**	**mg/L**	**1.5**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**1.2**
Sulfate as SO4	**480**	**mg/L**	**30**	**50**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**2.9**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-30 | Date Collected: 02/19/26 10:38 | Matrix: Ground Water
Sample ID: MW-04 | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179636										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**410**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/22/26	mr	02/22/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**410**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179606										
Total Dissolved Solids	**1100**	**mg/L**	**32**	**3.225806**	**02/20/26**	**eam**	**02/20/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179605										
Total Suspended Solids	**14**	**mg/L**	**4.2**	**1.041667**	**02/20/26**	**eam**	**02/20/26**	**eam**		**4.2**
Analysis Method: SM 4500-H+ B-11										
Batch: T179631										
pH	**7.17**	**pH Units**		**1**	**02/19/26**	**mj**	**02/20/26**	**mj**	**PH01b**	

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TRACE ANALYTICAL LABORATORIES, INC.

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-31 Date Collected: 02/19/26 11:50 Matrix: Ground Water
Sample ID: MW-04R Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	**0.84**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179584										
Boron	**3.5**	**mg/L**	**0.0088**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**320**	**mg/L**	**1.3**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.038**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**69**	**mg/L**	**0.10**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**14**	**mg/L**	**0.25**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**65**	**mg/L**	**0.12**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179584										
Antimony	<0.00010	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.0011**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.25**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.000052
Cadmium	<0.000075	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.000075
Chromium	**0.0012**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00072**	**mg/L**	**0.00052**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.00022**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.00048**	**mg/L**	**0.0012**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00025**
Selenium	**0.00016**	**mg/L**	**0.00050**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/23/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179599										
Fluoride	**1.3**	**mg/L**	**0.20**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**	**N**	**0.11**
Chloride	**110**	**mg/L**	**1.5**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**1.2**
Sulfate as SO4	**57**	**mg/L**	**6.0**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-31 | Date Collected: 02/19/26 11:50 | Matrix: Ground Water
Sample ID: MW-04R | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179636										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**1000**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/22/26	mr	02/22/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**1000**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179606										
Total Dissolved Solids	**1200**	**mg/L**	**36**	**3.571429**	**02/20/26**	**eam**	**02/20/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179605										
Total Suspended Solids	<4.3	mg/L	4.3	1.06383	02/20/26	eam	02/20/26	eam		4.3
Analysis Method: SM 4500-H+ B-11										
Batch: T179631										
pH	**7.24**	**pH Units**		**1**	**02/19/26**	**mj**	**02/20/26**	**mj**	**PH01c**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-32 Date Collected: 02/19/26 14:08 Matrix: Ground Water
Sample ID: MW-01RB Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	**0.83**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179584										
Boron	**2.8**	**mg/L**	**0.0088**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**140**	**mg/L**	**1.3**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.052**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**34**	**mg/L**	**0.10**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**10**	**mg/L**	**0.25**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**56**	**mg/L**	**0.12**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179584										
Antimony	<0.00010	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.00058**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.28**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.000083**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	<0.000075	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.000075
Chromium	**0.00039**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00078**	**mg/L**	**0.00052**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.00044**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.00058**	**mg/L**	**0.0012**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00025**
Selenium	<0.00010	mg/L	0.00050	1	02/23/26	jrc	02/26/26	jma		0.00010
Thallium	<0.000075	mg/L	0.00038	1	02/23/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179599										
Fluoride	**0.59**	**mg/L**	**0.20**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**	**N**	**0.11**
Chloride	**73**	**mg/L**	**1.5**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**1.2**
Sulfate as SO4	**15**	**mg/L**	**6.0**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-32 | Date Collected: 02/19/26 14:08 | Matrix: Ground Water
Sample ID: MW-01RB | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179636										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**530**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/22/26	mr	02/22/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**530**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179606										
Total Dissolved Solids	**640**	**mg/L**	**33**	**3.333333**	**02/20/26**	**eam**	**02/20/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179605										
Total Suspended Solids	**5.0**	**mg/L**	**4.0**	**1**	**02/20/26**	**eam**	**02/20/26**	**eam**		**4.0**
Analysis Method: SM 4500-H+ B-11										
Batch: T179631										
pH	**7.15**	**pH Units**		**1**	**02/19/26**	**mj**	**02/20/26**	**mj**	**PH01d**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-33 | Date Collected: 02/19/26 15:40 | Matrix: Ground Water
Sample ID: MW-01R | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	**3.1**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179584										
Boron	**110**	**mg/L**	**0.18**	**20**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.10**
Calcium	**230**	**mg/L**	**1.3**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**2.5**	**mg/L**	**0.012**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0094**
Magnesium	**120**	**mg/L**	**0.25**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.050**
Potassium	**84**	**mg/L**	**0.25**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**370**	**mg/L**	**0.62**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.44**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179584										
Antimony	**0.00098**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.0021**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.48**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.00013**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	**0.00030**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.000075**
Chromium	**0.0018**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.023**	**mg/L**	**0.00052**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.0040**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Molybdenum	**0.0017**	**mg/L**	**0.0012**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.00078**	**mg/L**	**0.00050**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/23/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179599										
Fluoride	**13**	**mg/L**	**0.20**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**	**N**	**0.11**
Chloride	**96**	**mg/L**	**1.5**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**1.2**
Sulfate as SO4	**420**	**mg/L**	**30**	**50**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**2.9**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-33 | Date Collected: 02/19/26 15:40 | Matrix: Ground Water
Sample ID: MW-01R | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179636										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**1300**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/22/26	mr	02/22/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**1300**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179606										
Total Dissolved Solids	**2300**	**mg/L**	**43**	**4.347826**	**02/20/26**	**eam**	**02/20/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179605										
Total Suspended Solids	<4.1	mg/L	4.1	1.030928	02/20/26	eam	02/20/26	eam		4.1
Analysis Method: SM 4500-H+ B-11										
Batch: T179631										
pH	**7.68**	**pH Units**		**1**	**02/19/26**	**mj**	**02/20/26**	**mj**	**PH01e**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-34 | Date Collected: 02/19/26 17:16 | Matrix: Ground Water
Sample ID: MW-16 | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	<	ng/L	0.50	1	03/01/26	drm	03/02/26	drm		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179584										
Boron	**0.29**	**mg/L**	**0.0088**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**250**	**mg/L**	**1.3**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.021**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**31**	**mg/L**	**0.10**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**4.8**	**mg/L**	**0.25**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**22**	**mg/L**	**0.12**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179584										
Antimony	<0.00010	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.0063**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.28**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.000054**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	<0.000075	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.000075
Chromium	**0.00057**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00021**	**mg/L**	**0.00052**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Lead	<0.00010	mg/L	0.00055	1	02/23/26	jrc	02/26/26	jma		0.00010
Molybdenum	<0.00025	mg/L	0.0012	1	02/23/26	jrc	02/26/26	jma		0.00025
Selenium	**0.00017**	**mg/L**	**0.00050**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/23/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179599										
Fluoride	**0.16**	**mg/L**	**0.20**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**	**J, N**	**0.11**
Chloride	**23**	**mg/L**	**1.5**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**1.2**
Sulfate as SO4	**130**	**mg/L**	**6.0**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-34 | Date Collected: 02/19/26 17:16 | Matrix: Ground Water
Sample ID: MW-16 | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179636										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**590**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/22/26	mr	02/22/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**590**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179606										
Total Dissolved Solids	**840**	**mg/L**	**30**	**3.030303**	**02/20/26**	**eam**	**02/20/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179605										
Total Suspended Solids	**16**	**mg/L**	**4.1**	**1.020408**	**02/20/26**	**eam**	**02/20/26**	**eam**		**4.1**
Analysis Method: SM 4500-H+ B-11										
Batch: T179631										
pH	**7.34**	**pH Units**		**1**	**02/19/26**	**mj**	**02/20/26**	**mj**	**PH01f**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-35 Date Collected: 02/19/26 17:30 Matrix: Ground Water
Sample ID: SG-07 Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	**4.4**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179584										
Boron	**0.37**	**mg/L**	**0.0088**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**100**	**mg/L**	**1.3**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.0083**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**22**	**mg/L**	**0.10**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**3.9**	**mg/L**	**0.25**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**39**	**mg/L**	**0.12**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179584										
Antimony	**0.00019**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Arsenic	**0.00086**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.091**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.000074**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	<0.000075	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.000075
Chromium	**0.00059**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.00040**	**mg/L**	**0.00052**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Lead	**0.0012**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Molybdenum	**0.0043**	**mg/L**	**0.0012**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.00020**	**mg/L**	**0.00050**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/23/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179599										
Fluoride	**0.26**	**mg/L**	**0.20**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**	**N**	**0.11**
Chloride	**59**	**mg/L**	**1.5**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**1.2**
Sulfate as SO4	**100**	**mg/L**	**6.0**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-35 | Date Collected: 02/19/26 17:30 | Matrix: Ground Water
Sample ID: SG-07 | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179636										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**220**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/22/26	mr	02/22/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**220**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179606										
Total Dissolved Solids	**450**	**mg/L**	**30**	**3.030303**	**02/20/26**	**eam**	**02/20/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179605										
Total Suspended Solids	**13**	**mg/L**	**4.1**	**1.030928**	**02/20/26**	**eam**	**02/20/26**	**eam**		**4.1**
Analysis Method: SM 4500-H+ B-11										
Batch: T179631										
pH	**7.61**	**pH Units**		**1**	**02/19/26**	**mj**	**02/20/26**	**mj**	**PH01g**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-36 Date Collected: 02/19/26 17:45 Matrix: Aqueous
Sample ID: LLHGTB-02192026 Date Received: 02/18/26 08:05

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	<	ng/L	0.20	1	03/01/26	drm	03/02/26	drm		

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-37 Date Collected: 02/19/26 10:10 Matrix: Ground Water
Sample ID: MW-07 Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	<	ng/L	0.50	1	03/01/26	drm	03/02/26	drm		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179584										
Boron	**12**	**mg/L**	**0.044**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.026**
Calcium	**170**	**mg/L**	**1.3**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.0070**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**42**	**mg/L**	**0.10**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**4.9**	**mg/L**	**0.25**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**45**	**mg/L**	**0.12**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179584										
Antimony	<0.00010	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.00010**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Barium	**0.42**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.00012**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	<0.000075	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.000075
Chromium	**0.00029**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.0010**	**mg/L**	**0.00052**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	<0.00010	mg/L	0.00055	1	02/23/26	jrc	02/26/26	jma		0.00010
Molybdenum	<0.00025	mg/L	0.0012	1	02/23/26	jrc	02/26/26	jma		0.00025
Selenium	**0.00013**	**mg/L**	**0.00050**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/23/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179599										
Fluoride	**0.15**	**mg/L**	**0.20**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**	**J, N**	**0.11**
Chloride	**17**	**mg/L**	**1.5**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**1.2**
Sulfate as SO4	**48**	**mg/L**	**6.0**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-37 | Date Collected: 02/19/26 10:10 | Matrix: Ground Water
Sample ID: MW-07 | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179636										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**640**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/22/26	mr	02/22/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**640**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179606										
Total Dissolved Solids	**720**	**mg/L**	**37**	**3.703704**	**02/20/26**	**eam**	**02/20/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179605										
Total Suspended Solids	**44**	**mg/L**	**4.2**	**1.052632**	**02/20/26**	**eam**	**02/20/26**	**eam**		**4.2**
Analysis Method: SM 4500-H+ B-11										
Batch: T179631										
pH	**7.07**	**pH Units**		**1**	**02/19/26**	**mj**	**02/20/26**	**mj**	**PH01h**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-38 Date Collected: 02/19/26 12:15 Matrix: Ground Water
Sample ID: MW-43 Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	**0.94**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179584										
Boron	**33**	**mg/L**	**0.044**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.026**
Calcium	**95**	**mg/L**	**1.3**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.35**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**15**	**mg/L**	**0.10**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**18**	**mg/L**	**0.25**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**73**	**mg/L**	**0.12**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179584										
Antimony	**0.012**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.0054**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.62**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.000084**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	**0.0096**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.000075**
Chromium	**0.00029**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.16**	**mg/L**	**0.00052**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.00020**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Molybdenum	**0.0062**	**mg/L**	**0.0012**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.023**	**mg/L**	**0.00050**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/23/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179599										
Fluoride	**7.6**	**mg/L**	**0.20**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**	**N**	**0.11**
Chloride	**7.3**	**mg/L**	**1.5**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**1.2**
Sulfate as SO4	**120**	**mg/L**	**6.0**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-38 | Date Collected: 02/19/26 12:15 | Matrix: Ground Water
Sample ID: MW-43 | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179636										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**320**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/22/26	mr	02/22/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**320**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179606										
Total Dissolved Solids	**570**	**mg/L**	**36**	**3.571429**	**02/20/26**	**eam**	**02/20/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179605										
Total Suspended Solids	<4.1	mg/L	4.1	1.030928	02/20/26	eam	02/20/26	eam		4.1
Analysis Method: SM 4500-H+ B-11										
Batch: T179631										
pH	**7.58**	**pH Units**		**1**	**02/19/26**	**mj**	**02/20/26**	**mj**	**PH01i**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-39 | Date Collected: 02/19/26 13:20 | Matrix: Ground Water
Sample ID: MW-20 | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	**11**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/03/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179584										
Boron	**1.0**	**mg/L**	**0.0088**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**130**	**mg/L**	**1.3**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.039**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**40**	**mg/L**	**0.10**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**6.4**	**mg/L**	**0.25**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**38**	**mg/L**	**0.12**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179584										
Antimony	<0.00010	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.00010
Arsenic	**0.0011**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.31**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.000052
Cadmium	<0.000075	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.000075
Chromium	**0.0019**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.0011**	**mg/L**	**0.00052**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.0022**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Molybdenum	**0.0031**	**mg/L**	**0.0012**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.00010**	**mg/L**	**0.00050**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/23/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179599										
Fluoride	**0.25**	**mg/L**	**0.20**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**	**N**	**0.11**
Chloride	**23**	**mg/L**	**1.5**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**1.2**
Sulfate as SO4	**41**	**mg/L**	**6.0**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**0.58**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-39 | Date Collected: 02/19/26 13:20 | Matrix: Ground Water
Sample ID: MW-20 | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179636										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**460**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/22/26	mr	02/22/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**460**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179606										
Total Dissolved Solids	**340**	**mg/L**	**40**	**4**	**02/20/26**	**eam**	**02/20/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179605										
Total Suspended Solids	**4.1**	**mg/L**	**4.1**	**1.030928**	**02/20/26**	**eam**	**02/20/26**	**eam**		**4.1**
Analysis Method: SM 4500-H+ B-11										
Batch: T179631										
pH	**7.36**	**pH Units**		**1**	**02/19/26**	**mj**	**02/20/26**	**mj**	**PH01j**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-40 | Date Collected: 02/19/26 14:40 | Matrix: Ground Water
Sample ID: MW-18 | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179868										
Mercury	**0.97**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179584										
Boron	**3.1**	**mg/L**	**0.0088**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**330**	**mg/L**	**1.3**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.037**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**40**	**mg/L**	**0.10**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**8.1**	**mg/L**	**0.25**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**19**	**mg/L**	**0.12**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179584										
Antimony	**0.00041**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.020**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.027**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	**0.000060**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**	**J**	**0.000052**
Cadmium	**0.00072**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.000075**
Chromium	<0.00020	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.00020
Cobalt	**0.0017**	**mg/L**	**0.00052**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	<0.00010	mg/L	0.00055	1	02/23/26	jrc	02/26/26	jma		0.00010
Molybdenum	**0.016**	**mg/L**	**0.0012**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.0017**	**mg/L**	**0.00050**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/23/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179599										
Fluoride	**3.5**	**mg/L**	**0.20**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**	**N**	**0.11**
Chloride	**13**	**mg/L**	**1.5**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**1.2**
Sulfate as SO4	**740**	**mg/L**	**60**	**100**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**5.8**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-40 | Date Collected: 02/19/26 14:40 | Matrix: Ground Water
Sample ID: MW-18 | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179636										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**160**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/22/26	mr	02/22/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**160**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179606										
Total Dissolved Solids	**930**	**mg/L**	**34**	**3.448276**	**02/20/26**	**eam**	**02/20/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179605										
Total Suspended Solids	**11**	**mg/L**	**4.2**	**1.041667**	**02/20/26**	**eam**	**02/20/26**	**eam**		**4.2**
Analysis Method: SM 4500-H+ B-11										
Batch: T179631										
pH	**7.35**	**pH Units**		**1**	**02/19/26**	**mj**	**02/20/26**	**mj**	**PH01k**	

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-41 Date Collected: 02/19/26 16:20 Matrix: Ground Water
Sample ID: MW-39 Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
METALS, TOTAL										
Analysis Method: EPA 1631E										
Batch: T179867										
Mercury	**2.8**	**ng/L**	**0.50**	**1**	**03/01/26**	**drm**	**03/02/26**	**drm**		
Analysis Method: EPA 200.7 Rev. 4.4										
Batch: T179584										
Boron	**0.91**	**mg/L**	**0.0088**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.0051**
Calcium	**290**	**mg/L**	**1.3**	**5**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.18**
Lithium	**0.028**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**	**N**	**0.0019**
Magnesium	**49**	**mg/L**	**0.10**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.010**
Potassium	**7.2**	**mg/L**	**0.25**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.036**
Sodium	**28**	**mg/L**	**0.12**	**1**	**02/23/26**	**jrc**	**02/28/26**	**drm**		**0.088**
Analysis Method: EPA 200.8 Rev. 5.4										
Batch: T179584										
Antimony	**0.00086**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Arsenic	**0.0020**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Barium	**0.066**	**mg/L**	**0.0025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00030**
Beryllium	<0.000052	mg/L	0.00025	1	02/23/26	jrc	02/26/26	jma		0.000052
Cadmium	**0.00079**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.000075**
Chromium	**0.0016**	**mg/L**	**0.00025**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00020**
Cobalt	**0.0024**	**mg/L**	**0.00052**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Lead	**0.0015**	**mg/L**	**0.00055**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Molybdenum	**0.0026**	**mg/L**	**0.0012**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00025**
Selenium	**0.0012**	**mg/L**	**0.00050**	**1**	**02/23/26**	**jrc**	**02/26/26**	**jma**		**0.00010**
Thallium	<0.000075	mg/L	0.00038	1	02/23/26	jrc	02/26/26	jma		0.000075
WET CHEMISTRY										
Analysis Method: EPA 300.0 Rev. 2.1										
Batch: T179599										
Fluoride	**0.22**	**mg/L**	**0.20**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**	**N**	**0.11**
Chloride	**18**	**mg/L**	**1.5**	**10**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**1.2**
Sulfate as SO4	**470**	**mg/L**	**30**	**50**	**02/20/26**	**aeo**	**02/21/26**	**ljs**		**2.9**

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ANALYTICAL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

Trace ID: 26B0735-41 | Date Collected: 02/19/26 16:20 | Matrix: Ground Water
Sample ID: MW-39 | Date Received: 02/20/26 08:02

PARAMETERS	RESULTS	UNITS	LOQ	DILUTION	PREPARED	BY	ANALYZED	BY	NOTES	LOD
WET CHEMISTRY										
Analysis Method: SM 2320 B-21										
Batch: T179636										
Bicarbonate Alkalinity as CaCO3 at pH 4.5	**460**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**	**N**	**0.16**
Carbonate Alkalinity as CaCO3 at pH 8.2	<0.16	mg/L	5.0	1	02/22/26	mr	02/22/26	mr	N	0.16
Total Alkalinity as CaCO3 at pH 4.5	**460**	**mg/L**	**5.0**	**1**	**02/22/26**	**mr**	**02/22/26**	**mr**		**0.16**
Analysis Method: SM 2540 C-20										
Batch: T179606										
Total Dissolved Solids	**1200**	**mg/L**	**38**	**3.846154**	**02/20/26**	**eam**	**02/20/26**	**eam**		
Analysis Method: SM 2540 D-20										
Batch: T179605										
Total Suspended Solids	**28**	**mg/L**	**4.2**	**1.041667**	**02/20/26**	**eam**	**02/20/26**	**eam**		**4.2**
Analysis Method: SM 4500-H+ B-11										
Batch: T179631										
pH	**7.30**	**pH Units**		**1**	**02/19/26**	**mj**	**02/20/26**	**mj**	**PH01I**	

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QUALITY CONTROL RESULTS

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179866
QC Batch Method: EPA 1631E
Analysis Description: Mercury, Total, Low Level
Analysis Method: EPA 1631E

METHOD BLANK: T179866-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

METHOD BLANK: T179866-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

METHOD BLANK: T179866-BLK3

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

METHOD BLANK: T179866-BLK4

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

METHOD BLANK: T179866-BLK5

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

METHOD BLANK: T179866-BLK6

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

LABORATORY CONTROL SAMPLE: T179866-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	ng/L	5.000	4.22	84	77-123	

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LABORATORY CONTROL SAMPLE: T179866-BS2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	ng/L	5.000	4.71	94	77-123	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T179866-MSD1 Original: **26B0735-07**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Mercury	ng/L	0.493	10.00	9.89	9.71	94	92	71-125	2	24	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T179866-MSD2 Original: **26B0735-11**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Mercury	ng/L	0.288	10.00	9.90	9.79	96	95	71-125	1	24	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179867
QC Batch Method: EPA 1631E
Analysis Description: Mercury, Total, Low Level
Analysis Method: EPA 1631E

METHOD BLANK: T179867-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

METHOD BLANK: T179867-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

METHOD BLANK: T179867-BLK3

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

METHOD BLANK: T179867-BLK4

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

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METHOD BLANK: T179867-BLK5

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

METHOD BLANK: T179867-BLK6

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

LABORATORY CONTROL SAMPLE: T179867-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	ng/L	5.000	4.22	84	77-123	

LABORATORY CONTROL SAMPLE: T179867-BS2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	ng/L	5.000	4.71	94	77-123	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T179867-MSD1 Original: **26B0735-31**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Mercury	ng/L	0.845	10.00	10.6	10.6	98	97	71-125	0.5	24	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T179867-MSD2 Original: **26B0735-32**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Mercury	ng/L	0.834	10.00	10.7	10.2	99	94	71-125	5	24	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179868
QC Batch Method: EPA 1631E
Analysis Description: Mercury, Total, Low Level
Analysis Method: EPA 1631E

METHOD BLANK: T179868-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

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METHOD BLANK: T179868-BLK2

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

METHOD BLANK: T179868-BLK3

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

METHOD BLANK: T179868-BLK4

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

METHOD BLANK: T179868-BLK5

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

METHOD BLANK: T179868-BLK6

Parameter	Units	Blank Result	Reporting Limit	Notes
Mercury	ng/L	<0.20	0.20	

LABORATORY CONTROL SAMPLE: T179868-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	ng/L	5.000	4.71	94	77-123	

LABORATORY CONTROL SAMPLE: T179868-BS2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Mercury	ng/L	5.000	4.71	94	77-123	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE: T179868-MSD1 Original: **26B0735-40**

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Notes
Mercury	ng/L	0.973	10.00	11.0	10.9	100	99	71-125	0.6	24	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

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QC Batch: T179539
QC Batch Method:

Analysis Description: Lithium, Dissolved
Analysis Method: EPA 200.7 Rev. 4.4

METHOD BLANK: T179539-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Boron	mg/L	<0.050	0.050	
Calcium	mg/L	<1.0	1.0	
Potassium	mg/L	<1.0	1.0	
Lithium	mg/L	<0.025	0.025	
Magnesium	mg/L	<1.0	1.0	
Sodium	mg/L	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T179539-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Boron	mg/L	1.000	0.951	95	85-115	
Calcium	mg/L	10.00	10.0	100	85-115	
Potassium	mg/L	10.00	9.94	99	85-115	
Lithium	mg/L	0.5000	0.491	98	85-115	
Magnesium	mg/L	10.00	9.99	100	85-115	
Sodium	mg/L	10.00	10.0	100	85-115	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179567
QC Batch Method: EPA 200.2

Analysis Description: Magnesium, Total
Analysis Method: EPA 200.7 Rev. 4.4

METHOD BLANK: T179567-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Boron	mg/L	<0.0088	0.0088	
Calcium	mg/L	<0.26	0.26	
Potassium	mg/L	<0.25	0.25	
Lithium	mg/L	<0.0025	0.0025	
Magnesium	mg/L	<0.10	0.10	
Sodium	mg/L	<0.12	0.12	

LABORATORY CONTROL SAMPLE: T179567-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Boron	mg/L	1.600	1.55	97	85-115	

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LABORATORY CONTROL SAMPLE: T179567-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Calcium	mg/L	16.00	15.7	98	85-115	
Potassium	mg/L	16.00	15.6	98	85-115	
Lithium	mg/L	1.600	1.62	101	85-115	
Magnesium	mg/L	16.00	15.8	99	85-115	
Sodium	mg/L	16.00	15.5	97	85-115	

MATRIX SPIKE: T179567-MS1 Original: **26B0735-01**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Boron	mg/L	1.94	1.600	3.42	92	70-130	
Calcium	mg/L	229	16.00	246	104	70-130	
Potassium	mg/L	7.94	16.00	23.3	96	70-130	
Lithium	mg/L	0.0535	1.600	1.67	101	70-130	
Magnesium	mg/L	23.6	16.00	38.3	92	70-130	
Sodium	mg/L	22.2	16.00	36.5	89	70-130	

MATRIX SPIKE: T179567-MS2 Original: **26B0735-02**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Boron	mg/L	0.0399	1.600	1.61	98	70-130	
Calcium	**mg/L**	**119**	**16.00**	145	**160**	**70-130**	**MS09**
Potassium	mg/L	2.09	16.00	17.8	98	70-130	
Lithium	mg/L	0	1.600	1.61	101	70-130	
Magnesium	mg/L	11.3	16.00	27.4	101	70-130	
Sodium	mg/L	12.0	16.00	27.9	99	70-130	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179584
QC Batch Method: EPA 200.2
Analysis Description: Lithium, Total
Analysis Method: EPA 200.7 Rev. 4.4

METHOD BLANK: T179584-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Boron	**mg/L**	**0.0100**	**0.0088**	**BLK05**
Calcium	mg/L	<0.26	0.26	
Potassium	mg/L	<0.25	0.25	
Lithium	mg/L	<0.0025	0.0025	
Magnesium	mg/L	<0.10	0.10	

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METHOD BLANK: T179584-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Sodium	mg/L	<0.12	0.12	

LABORATORY CONTROL SAMPLE: T179584-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Boron	mg/L	1.600	1.58	99	85-115	
Calcium	mg/L	16.00	15.8	99	85-115	
Potassium	mg/L	16.00	16.0	100	85-115	
Lithium	mg/L	1.600	1.62	101	85-115	
Magnesium	mg/L	16.00	15.8	99	85-115	
Sodium	mg/L	16.00	15.7	98	85-115	

MATRIX SPIKE: T179584-MS1 Original: **26B0735-29**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Boron	mg/L	3.69	1.600	5.05	85	70-130	
Calcium	mg/L	311	16.00	324	79	70-130	
Potassium	mg/L	15.9	16.00	31.1	95	70-130	
Lithium	mg/L	0.0296	1.600	1.66	102	70-130	
Magnesium	mg/L	164	16.00	181	106	70-130	
Sodium	**mg/L**	**77.6**	**16.00**	87.8	**64**	**70-130**	**MS09**

MATRIX SPIKE: T179584-MS2 Original: **26B0735-30**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Boron	mg/L	0.677	1.600	2.22	96	70-130	
Calcium	**mg/L**	**314**	**16.00**	314	**4**	**70-130**	**MS09**
Potassium	mg/L	3.43	16.00	18.9	97	70-130	
Lithium	mg/L	0.0332	1.600	1.62	99	70-130	
Magnesium	mg/L	35.1	16.00	48.4	83	70-130	
Sodium	mg/L	13.3	16.00	27.5	89	70-130	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179585
QC Batch Method: EPA 200.2
Analysis Description: Sodium, Total
Analysis Method: EPA 200.7 Rev. 4.4

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METHOD BLANK: T179585-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Boron	**mg/L**	**0.0116**	**0.0088**	**BLK05**
Calcium	mg/L	<0.26	0.26	
Potassium	mg/L	<0.25	0.25	
Lithium	mg/L	<0.0025	0.0025	
Magnesium	mg/L	<0.10	0.10	
Sodium	mg/L	<0.12	0.12	

LABORATORY CONTROL SAMPLE: T179585-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Boron	mg/L	1.600	1.61	100	85-115	
Calcium	mg/L	16.00	15.7	98	85-115	
Potassium	mg/L	16.00	15.9	99	85-115	
Lithium	mg/L	1.600	1.61	101	85-115	
Magnesium	mg/L	16.00	15.7	98	85-115	
Sodium	mg/L	16.00	15.6	97	85-115	

MATRIX SPIKE: T179585-MS1 Original: **26B0735-24**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Boron	mg/L	0.302	1.600	1.92	101	70-130	
Calcium	mg/L	70.2	16.00	87.0	105	70-130	
Potassium	mg/L	46.5	16.00	62.5	100	70-130	
Lithium	mg/L	0	1.600	1.61	101	70-130	
Magnesium	mg/L	9.88	16.00	25.6	98	70-130	
Sodium	mg/L	56.3	16.00	72.6	102	70-130	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179528
QC Batch Method:
Analysis Description: Selenium, Dissolved
Analysis Method: EPA 200.8 Rev. 5.4

METHOD BLANK: T179528-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Arsenic	mg/L	<0.0010	0.0010	
Barium	mg/L	<0.050	0.050	
Beryllium	mg/L	<0.0040	0.0040	
Cadmium	mg/L	<0.00050	0.00050	

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METHOD BLANK: T179528-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Cobalt	mg/L	<0.010	0.010	
Chromium	mg/L	<0.050	0.050	
Molybdenum	mg/L	<0.010	0.010	
Lead	mg/L	<0.0010	0.0010	
Antimony	mg/L	<0.0020	0.0020	
Selenium	mg/L	<0.0020	0.0020	
Thallium	mg/L	<0.0020	0.0020	

LABORATORY CONTROL SAMPLE: T179528-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Arsenic	mg/L	0.06000	0.0576	96	85-115	
Barium	mg/L	0.06000	0.0573	96	85-115	
Beryllium	mg/L	0.06000	0.0579	96	85-115	
Cadmium	mg/L	0.06000	0.0571	95	85-115	
Cobalt	mg/L	0.06000	0.0543	91	85-115	
Chromium	mg/L	0.06000	0.0556	93	85-115	
Molybdenum	mg/L	0.06000	0.0543	90	85-115	
Lead	mg/L	0.06000	0.0586	98	85-115	
Antimony	mg/L	0.06000	0.0560	93	85-115	
Selenium	mg/L	0.06000	0.0598	100	85-115	
Thallium	mg/L	0.06000	0.0573	96	85-115	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179567
QC Batch Method: EPA 200.2
Analysis Description: Beryllium, Total
Analysis Method: EPA 200.8 Rev. 5.4

METHOD BLANK: T179567-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Arsenic	mg/L	<0.00055	0.00055	
Barium	mg/L	<0.0025	0.0025	
Beryllium	mg/L	<0.00025	0.00025	
Cadmium	mg/L	<0.00025	0.00025	
Cobalt	mg/L	<0.00052	0.00052	
Chromium	mg/L	<0.00025	0.00025	
Molybdenum	mg/L	<0.0012	0.0012	
Lead	mg/L	<0.00055	0.00055	

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METHOD BLANK: T179567-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Antimony	mg/L	<0.00025	0.00025	
Selenium	mg/L	<0.00050	0.00050	
Thallium	mg/L	<0.00038	0.00038	

LABORATORY CONTROL SAMPLE: T179567-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Arsenic	mg/L	0.1000	0.103	103	85-115	
Barium	mg/L	1.600	1.73	108	85-115	
Beryllium	mg/L	0.2000	0.202	101	85-115	
Cadmium	mg/L	0.05000	0.0517	103	85-115	
Cobalt	mg/L	1.600	1.60	100	85-115	
Chromium	mg/L	0.05000	0.0522	104	85-115	
Molybdenum	mg/L	1.600	1.63	102	85-115	
Lead	mg/L	0.1000	0.103	103	85-115	
Antimony	mg/L	0.1000	0.113	113	85-115	
Selenium	mg/L	0.1000	0.0966	97	85-115	
Thallium	mg/L	0.1000	0.102	102	85-115	

MATRIX SPIKE: T179567-MS1 Original: **26B0735-01**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Arsenic	mg/L	0.000702	0.1000	0.104	104	70-130	
Barium	mg/L	0.513	1.600	2.25	109	70-130	
Beryllium	mg/L	0	0.2000	0.187	94	70-130	
Cadmium	mg/L	0	0.05000	0.0499	100	70-130	
Cobalt	mg/L	0.00148	1.600	1.55	96	70-130	
Chromium	mg/L	0.0212	0.05000	0.0738	105	70-130	
Molybdenum	mg/L	0.00210	1.600	1.70	106	70-130	
Lead	mg/L	0	0.1000	0.0974	97	70-130	
Antimony	mg/L	0	0.1000	0.111	111	70-130	
Selenium	mg/L	0	0.1000	0.0937	94	70-130	
Thallium	mg/L	0	0.1000	0.0988	99	70-130	

MATRIX SPIKE: T179567-MS2 Original: **26B0735-02**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Arsenic	mg/L	0.00128	0.1000	0.103	102	70-130	
Barium	mg/L	0.0489	1.600	1.76	107	70-130	

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MATRIX SPIKE: T179567-MS2 Original: **26B0735-02**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Beryllium	mg/L	0	0.2000	0.198	99	70-130	
Cadmium	mg/L	0	0.05000	0.0504	101	70-130	
Cobalt	mg/L	0.000642	1.600	1.58	98	70-130	
Chromium	mg/L	0.00428	0.05000	0.0562	104	70-130	
Molybdenum	mg/L	0.00744	1.600	1.69	105	70-130	
Lead	mg/L	0	0.1000	0.0988	99	70-130	
Antimony	mg/L	0.00111	0.1000	0.112	111	70-130	
Selenium	mg/L	0.00144	0.1000	0.0975	96	70-130	
Thallium	mg/L	0	0.1000	0.0995	99	70-130	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179584
QC Batch Method: EPA 200.2
Analysis Description: Molybdenum, Total
Analysis Method: EPA 200.8 Rev. 5.4

METHOD BLANK: T179584-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Arsenic	mg/L	<0.00055	0.00055	
Barium	mg/L	<0.0025	0.0025	
Beryllium	mg/L	<0.00025	0.00025	
Cadmium	mg/L	<0.00025	0.00025	
Cobalt	mg/L	<0.00052	0.00052	
Chromium	mg/L	<0.00025	0.00025	
Molybdenum	mg/L	<0.0012	0.0012	
Lead	mg/L	<0.00055	0.00055	
Antimony	mg/L	<0.00025	0.00025	
Selenium	mg/L	<0.00050	0.00050	
Thallium	mg/L	<0.00038	0.00038	

LABORATORY CONTROL SAMPLE: T179584-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Arsenic	mg/L	0.1000	0.103	103	85-115	
Barium	mg/L	1.600	1.80	113	85-115	
Beryllium	mg/L	0.2000	0.203	101	85-115	
Cadmium	mg/L	0.05000	0.0531	106	85-115	
Cobalt	mg/L	1.600	1.61	101	85-115	
Chromium	mg/L	0.05000	0.0529	106	85-115	

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LABORATORY CONTROL SAMPLE: T179584-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Molybdenum	mg/L	1.600	1.65	103	85-115	
Lead	mg/L	0.1000	0.103	103	85-115	
Antimony	mg/L	0.1000	0.107	107	85-115	
Selenium	mg/L	0.1000	0.0976	98	85-115	
Thallium	mg/L	0.1000	0.104	104	85-115	

MATRIX SPIKE: T179584-MS1 Original: **26B0735-29**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Arsenic	mg/L	0.000658	0.1000	0.105	104	70-130	
Barium	mg/L	0.332	1.600	2.14	113	70-130	
Beryllium	mg/L	0	0.2000	0.188	94	70-130	
Cadmium	mg/L	0	0.05000	0.0511	102	70-130	
Cobalt	mg/L	0.000531	1.600	1.54	96	70-130	
Chromium	mg/L	0.00311	0.05000	0.0542	102	70-130	
Molybdenum	mg/L	0	1.600	1.76	110	70-130	
Lead	mg/L	0	0.1000	0.0955	95	70-130	
Antimony	mg/L	0	0.1000	0.116	116	70-130	
Selenium	mg/L	0	0.1000	0.0930	93	70-130	
Thallium	mg/L	0	0.1000	0.0976	98	70-130	

MATRIX SPIKE: T179584-MS2 Original: **26B0735-30**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Arsenic	mg/L	0.00592	0.1000	0.113	107	70-130	
Barium	mg/L	0.0909	1.600	1.82	108	70-130	
Beryllium	mg/L	0	0.2000	0.183	92	70-130	
Cadmium	mg/L	0	0.05000	0.0494	99	70-130	
Cobalt	mg/L	0.00179	1.600	1.51	94	70-130	
Chromium	mg/L	0	0.05000	0.0510	102	70-130	
Molybdenum	mg/L	0.0134	1.600	1.68	104	70-130	
Lead	mg/L	0.000425	0.1000	0.0932	93	70-130	
Antimony	mg/L	0	0.1000	0.111	111	70-130	
Selenium	mg/L	0	0.1000	0.0931	93	70-130	
Thallium	mg/L	0	0.1000	0.0956	96	70-130	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

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QC Batch: T179585
QC Batch Method: EPA 200.2

Analysis Description: Lead, Total
Analysis Method: EPA 200.8 Rev. 5.4

METHOD BLANK: T179585-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Arsenic	mg/L	<0.00055	0.00055	
Barium	mg/L	<0.0025	0.0025	
Beryllium	mg/L	<0.00025	0.00025	
Cadmium	mg/L	<0.00025	0.00025	
Cobalt	mg/L	<0.00052	0.00052	
Chromium	mg/L	<0.00025	0.00025	
Molybdenum	mg/L	<0.0012	0.0012	
Lead	mg/L	<0.00055	0.00055	
Antimony	mg/L	<0.00025	0.00025	
Selenium	mg/L	<0.00050	0.00050	
Thallium	mg/L	<0.00038	0.00038	

LABORATORY CONTROL SAMPLE: T179585-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Arsenic	mg/L	0.1000	0.104	104	85-115	
Barium	mg/L	1.600	1.83	114	85-115	
Beryllium	mg/L	0.2000	0.207	104	85-115	
Cadmium	mg/L	0.05000	0.0529	106	85-115	
Cobalt	mg/L	1.600	1.62	101	85-115	
Chromium	mg/L	0.05000	0.0529	106	85-115	
Molybdenum	mg/L	1.600	1.68	105	85-115	
Lead	mg/L	0.1000	0.103	103	85-115	
Antimony	mg/L	0.1000	0.106	106	85-115	
Selenium	mg/L	0.1000	0.0993	99	85-115	
Thallium	mg/L	0.1000	0.103	103	85-115	

MATRIX SPIKE: T179585-MS1 Original: **26B0735-24**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Arsenic	mg/L	0.00915	0.1000	0.115	106	70-130	
Barium	mg/L	0.171	1.600	1.97	112	70-130	
Beryllium	mg/L	0	0.2000	0.200	100	70-130	
Cadmium	mg/L	0	0.05000	0.0514	103	70-130	
Cobalt	mg/L	0	1.600	1.56	98	70-130	
Chromium	mg/L	0.00110	0.05000	0.0523	102	70-130	

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MATRIX SPIKE: T179585-MS1 Original: **26B0735-24**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Molybdenum	mg/L	0.0232	1.600	1.71	105	70-130	
Lead	mg/L	0.00746	0.1000	0.105	97	70-130	
Antimony	mg/L	0.000569	0.1000	0.117	116	70-130	
Selenium	mg/L	0.000654	0.1000	0.0933	93	70-130	
Thallium	mg/L	0	0.1000	0.0980	98	70-130	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179491
QC Batch Method:
Analysis Description: Filtration for Dissolved Metals
Analysis Method: Dissolved Metals

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179492
QC Batch Method: IC Prep W
Analysis Description: Chloride
Analysis Method: EPA 300.0 Rev. 2.1

METHOD BLANK: T179492-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chloride	mg/L	<0.15	0.15	
Fluoride	mg/L	<0.020	0.020	
Sulfate as SO4	mg/L	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T179492-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Chloride	**mg/L**	**5.000**	**<10**	**103**	**90-110**	**J**
Fluoride	mg/L	1.000	0.961	96	90-110	
Sulfate as SO4	mg/L	5.000	4.87	97	90-110	

MATRIX SPIKE: T179492-MS1 Original: **26B0735-01**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Chloride	mg/L	20.7	50.00	71.3	101	80-120	
Fluoride	mg/L	0.335	10.00	10.1	98	80-120	
Sulfate as SO4	mg/L	0.589	50.00	50.1	99	80-120	

MATRIX SPIKE: T179492-MS2 Original: **26B0735-04**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes

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MATRIX SPIKE: T179492-MS2 Original: **26B0735-04**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Chloride	mg/L	74.3	50.00	124	99	80-120	
Fluoride	mg/L	1.56	10.00	10.7	92	80-120	
Sulfate as SO4	mg/L	0	50.00	48.2	96	80-120	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179546
QC Batch Method: IC Prep W
Analysis Description: Chloride
Analysis Method: EPA 300.0 Rev. 2.1

METHOD BLANK: T179546-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chloride	mg/L	<0.15	0.15	
Fluoride	mg/L	<0.020	0.020	
Sulfate as SO4	mg/L	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T179546-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Chloride	**mg/L**	**5.000**	**<10**	**102**	**90-110**	**J**
Fluoride	mg/L	1.000	0.957	96	90-110	
Sulfate as SO4	mg/L	5.000	4.86	97	90-110	

MATRIX SPIKE: T179546-MS1 Original: **26B0735-18**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Chloride	mg/L	32.5	50.00	83.6	102	80-120	
Fluoride	mg/L	1.41	10.00	11.2	98	80-120	
Sulfate as SO4	mg/L	0	50.00	49.4	99	80-120	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179599
QC Batch Method: IC Prep W
Analysis Description: Sulfate
Analysis Method: EPA 300.0 Rev. 2.1

METHOD BLANK: T179599-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Chloride	mg/L	<0.15	0.15	
Fluoride	mg/L	<0.020	0.020	

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METHOD BLANK: T179599-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Sulfate as SO4	mg/L	<1.0	1.0	

LABORATORY CONTROL SAMPLE: T179599-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Chloride	**mg/L**	**5.000**	**<10**	**104**	**90-110**	**J**
Fluoride	mg/L	1.000	0.994	99	90-110	
Sulfate as SO4	mg/L	5.000	4.94	99	90-110	

MATRIX SPIKE: T179599-MS1 Original: **26B0735-29**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Chloride	mg/L	99.4	50.00	149	99	80-120	
Fluoride	mg/L	0.764	10.00	10.3	95	80-120	
Sulfate as SO4	mg/L	28.8	50.00	76.9	96	80-120	

MATRIX SPIKE: T179599-MS2 Original: **26B0735-31**

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Unit	Notes
Chloride	mg/L	108	50.00	157	97	80-120	
Fluoride	mg/L	1.29	10.00	10.7	94	80-120	
Sulfate as SO4	mg/L	57.4	50.00	105	94	80-120	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179503
QC Batch Method: SM 2320 B-21

Analysis Description: Alkalinity, Carbonate
Analysis Method: SM 2320 B-21

LABORATORY CONTROL SAMPLE: T179503-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Bicarbonate Alkalinity as CaCO3 at pH 4.5	mg/L	100.0	91.2	91	88-112	
Carbonate Alkalinity as CaCO3 at pH 8.2	mg/L	100.0	91.2	91	88-112	
Total Alkalinity as CaCO3 at pH 4.5	mg/L	100.0	91.2	91	88-112	

SAMPLE DUPLICATE: T179503-DUP1 Original: **26B0735-02**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes

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SAMPLE DUPLICATE: T179503-DUP1 Original: **26B0735-02**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Bicarbonate Alkalinity as CaCO3 at pH 4.5	mg/L	254	258	2	20	
Carbonate Alkalinity as CaCO3 at pH 8.2	mg/L	0	<5.0		20	
Total Alkalinity as CaCO3 at pH 4.5	mg/L	254	258	2	20	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179550
QC Batch Method: SM 2320 B-21
Analysis Description: Alkalinity, Total
Analysis Method: SM 2320 B-21

LABORATORY CONTROL SAMPLE: T179550-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Bicarbonate Alkalinity as CaCO3 at pH 4.5	mg/L	100.0	93.3	93	88-112	
Carbonate Alkalinity as CaCO3 at pH 8.2	mg/L	100.0	93.3	93	88-112	
Total Alkalinity as CaCO3 at pH 4.5	mg/L	100.0	93.3	93	88-112	

SAMPLE DUPLICATE: T179550-DUP1 Original: **26B0735-18**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Bicarbonate Alkalinity as CaCO3 at pH 4.5	mg/L	370	302	20	20	
Carbonate Alkalinity as CaCO3 at pH 8.2	mg/L	0	<5.0		20	
Total Alkalinity as CaCO3 at pH 4.5	mg/L	370	302	20	20	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179636
QC Batch Method: SM 2320 B-21
Analysis Description: Alkalinity, Total
Analysis Method: SM 2320 B-21

LABORATORY CONTROL SAMPLE: T179636-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Bicarbonate Alkalinity as CaCO3 at pH 4.5	mg/L	100.0	94.0	94	88-112	
Carbonate Alkalinity as CaCO3 at pH 8.2	mg/L	100.0	95.6	96	88-112	

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LABORATORY CONTROL SAMPLE: T179636-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Alkalinity as CaCO3 at pH 4.5	mg/L	100.0	94.0	94	88-112	

SAMPLE DUPLICATE: T179636-DUP1 Original: **26B0735-40**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Bicarbonate Alkalinity as CaCO3 at pH 4.5	mg/L	158	159	0.2	20	
Carbonate Alkalinity as CaCO3 at pH 8.2	mg/L	0	<10		20	
Total Alkalinity as CaCO3 at pH 4.5	mg/L	158	159	0.2	20	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179497
QC Batch Method: SM 2540 C-20
Analysis Description: Total Dissolved Solids
Analysis Method: SM 2540 C-20

METHOD BLANK: T179497-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Dissolved Solids	mg/L	<10	10	

LABORATORY CONTROL SAMPLE: T179497-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Dissolved Solids	mg/L	500.0	509	102	80-120	

SAMPLE DUPLICATE: T179497-DUP1 Original: **26B0735-01**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Total Dissolved Solids	mg/L	722	763	5	10	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179548
QC Batch Method: SM 2540 C-20
Analysis Description: Total Dissolved Solids
Analysis Method: SM 2540 C-20

METHOD BLANK: T179548-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes

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METHOD BLANK: T179548-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Dissolved Solids	**mg/L**	**3.00**	**10**	**J**

LABORATORY CONTROL SAMPLE: T179548-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Dissolved Solids	mg/L	500.0	491	98	80-120	

SAMPLE DUPLICATE: T179548-DUP1 Original: **26B0735-18**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Total Dissolved Solids	mg/L	319	348	9	10	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179606
QC Batch Method: SM 2540 C-20
Analysis Description: Total Dissolved Solids
Analysis Method: SM 2540 C-20

METHOD BLANK: T179606-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Dissolved Solids	mg/L	<10	10	

LABORATORY CONTROL SAMPLE: T179606-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Dissolved Solids	mg/L	500.0	492	98	80-120	

SAMPLE DUPLICATE: T179606-DUP1 Original: **26B0735-29**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Total Dissolved Solids	mg/L	1590	1510	5	10	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179498
QC Batch Method: SM 2540 D-20
Analysis Description: Total Suspended Solids
Analysis Method: SM 2540 D-20

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METHOD BLANK: T179498-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Suspended Solids	mg/L	<4.0	4.0	

LABORATORY CONTROL SAMPLE: T179498-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Suspended Solids	mg/L	100.0	91.8	92	85-115	

SAMPLE DUPLICATE: T179498-DUP1 Original: **26B0735-15**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Total Suspended Solids	mg/L	58.5	61.0	4	20	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179549
QC Batch Method: SM 2540 D-20
Analysis Description: Total Suspended Solids
Analysis Method: SM 2540 D-20

METHOD BLANK: T179549-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Suspended Solids	mg/L	<4.0	4.0	

LABORATORY CONTROL SAMPLE: T179549-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Suspended Solids	mg/L	100.0	100	100	85-115	

SAMPLE DUPLICATE: T179549-DUP1 Original: **26B0735-18**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Total Suspended Solids	mg/L	9.09	10.3	13	20	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179605
QC Batch Method: SM 2540 D-20
Analysis Description: Total Suspended Solids
Analysis Method: SM 2540 D-20

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METHOD BLANK: T179605-BLK1

Parameter	Units	Blank Result	Reporting Limit	Notes
Total Suspended Solids	mg/L	<4.0	4.0	

LABORATORY CONTROL SAMPLE: T179605-BS1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limit	Notes
Total Suspended Solids	mg/L	100.0	88.9	89	85-115	

SAMPLE DUPLICATE: T179605-DUP1 Original: **26B0735-29**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
Total Suspended Solids	mg/L	0	<10		20	

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179556
QC Batch Method: *** DEFAULT PREP ***
Analysis Description: pH, SM 4500
Analysis Method: SM 4500-H+ B-11

SAMPLE DUPLICATE: T179556-DUP1 Original: **26B0735-01**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
pH	**pH Units**	**6.53**	**6.58**	**0.8**	**20**	**PH01m**

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179601
QC Batch Method: *** DEFAULT PREP ***
Analysis Description: pH, SM 4500
Analysis Method: SM 4500-H+ B-11

SAMPLE DUPLICATE: T179601-DUP1 Original: **26B0735-18**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
pH	**pH Units**	**7.57**	**7.34**	**3**	**20**	**PH01t**

Trace Project ID: 26B0735
Client Project ID: City of Grand Haven - Harbor Island

QC Batch: T179631
QC Batch Method: *** DEFAULT PREP ***
Analysis Description: pH, SM 4500
Analysis Method: SM 4500-H+ B-11

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SAMPLE DUPLICATE: T179631-DUP1 Original: **26B0735-29**

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Notes
pH	**pH Units**	**7.35**	**7.35**	**0**	**20**	**PH01a**

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AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

DEFINITIONS

LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MS	Matrix Spike
MSD	Matrix Spike Duplicate
RPD	Relative Percent Difference
DUP	Matrix Duplicate
LOQ	Limit of Quantitation
LOD	Limit of Detection
TIC	Tentatively Identified Compound
<, ND or U	Indicates the compound was analyzed for but not detected
*	Indicates a result that exceeds its associated MCL or Surrogate control limits
N	Indicates that the compound has not been evaluated by NELAC
NA	Indicates that the compound is not available.

NOTE: Samples for volatiles that have been extracted with a water miscible solvent were corrected for the total volume of the solvent/water mixture.
Solid matrices Method Blanks are at 100% solids as such results are the same wet or dry.

Definitions and Notes

Trace ID: 26B0735-01

Analysis: SM 4500-H+ B-11

pH	Note H02 : The analysis was performed beyond the analyte EPA established hold time.
pH	Note PH01ac : The pH was analyzed at 9:50

Trace ID: 26B0735-02

Analysis: SM 4500-H+ B-11

pH	Note PH01ad : The pH was analyzed at 9:52

Trace ID: 26B0735-03

Analysis: SM 4500-H+ B-11

pH	Note PH01ae : The pH was analyzed at 9:53

Trace ID: 26B0735-04

Analysis: SM 4500-H+ B-11

pH	Note PH01af : The pH was analyzed at 9:54

Trace ID: 26B0735-05

Analysis: SM 4500-H+ B-11

pH	Note PH01ag : The pH was analyzed at 9:55

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Trace ID: 26B0735-06

Analysis: SM 4500-H+ B-11

pH	Note PH01ah : The pH was analyzed at 9:56

Trace ID: 26B0735-07

Analysis: SM 4500-H+ B-11

pH	Note PH01ai : The pH was analyzed at 9:57

Trace ID: 26B0735-08

Analysis: SM 4500-H+ B-11

pH	Note PH01aj : The pH was analyzed at 9:58

Trace ID: 26B0735-09

Analysis: SM 4500-H+ B-11

pH	Note PH01ak : The pH was analyzed at 9:59

Trace ID: 26B0735-10

Analysis: SM 4500-H+ B-11

pH	Note PH01n : The pH was analyzed at 10:00

Trace ID: 26B0735-11

Analysis: SM 4500-H+ B-11

pH	Note PH01o : The pH was analyzed at 10:02

Trace ID: 26B0735-12

Analysis: SM 4500-H+ B-11

pH	Note PH01p : The pH was analyzed at 10:03

Trace ID: 26B0735-13

Analysis: SM 4500-H+ B-11

pH	Note H04 : The sample was received and, therefore, analyzed beyond the established EPA hold time.
pH	Note PH01q : The pH was analyzed at 10:04

Trace ID: 26B0735-14

Analysis: SM 4500-H+ B-11

pH	Note H04 : The sample was received and, therefore, analyzed beyond the established EPA hold time.
pH	Note PH01r : The pH was analyzed at 10:05

Trace ID: 26B0735-15

Analysis: SM 4500-H+ B-11

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pH	Note H04 : The sample was received and, therefore, analyzed beyond the established EPA hold time.
pH	Note PH01s : The pH was analyzed at 10:06

Trace ID: 26B0735-18

Analysis: SM 4500-H+ B-11

pH	Note PH01t : The pH was analyzed at 9:12

Trace ID: 26B0735-19

Analysis: SM 4500-H+ B-11

pH	Note PH01u : The pH was analyzed at 9:13

Trace ID: 26B0735-20

Analysis: SM 4500-H+ B-11

pH	Note PH01v : The pH was analyzed at 9:14

Trace ID: 26B0735-21

Analysis: SM 4500-H+ B-11

pH	Note PH01v : The pH was analyzed at 9:14

Trace ID: 26B0735-22

Analysis: SM 4500-H+ B-11

pH	Note PH01w : The pH was analyzed at 9:16

Trace ID: 26B0735-24

Analysis: SM 4500-H+ B-11

pH	Note PH01x : The pH was analyzed at 9:17

Trace ID: 26B0735-25

Analysis: SM 4500-H+ B-11

pH	Note PH01y : The pH was analyzed at 9:18

Trace ID: 26B0735-26

Analysis: SM 4500-H+ B-11

pH	Note PH01z : The pH was analyzed at 9:20

Trace ID: 26B0735-27

Analysis: SM 4500-H+ B-11

pH	Note PH01aa : The pH was analyzed at 9:21

Trace ID: 26B0735-28

Analysis: SM 4500-H+ B-11

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pH	Note PH01ab : The pH was analyzed at 9:23

Trace ID: 26B0735-29

Analysis: SM 4500-H+ B-11

pH	Note PH01 : The pH was analyzed at 09:15

Trace ID: 26B0735-30

Analysis: SM 4500-H+ B-11

pH	Note PH01b : The pH was analyzed at 09:17

Trace ID: 26B0735-31

Analysis: SM 4500-H+ B-11

pH	Note PH01c : The pH was analyzed at 09:19

Trace ID: 26B0735-32

Analysis: SM 4500-H+ B-11

pH	Note PH01d : The pH was analyzed at 09:20

Trace ID: 26B0735-33

Analysis: SM 4500-H+ B-11

pH	Note PH01e : The pH was analyzed at 09:21

Trace ID: 26B0735-34

Analysis: SM 4500-H+ B-11

pH	Note PH01f : The pH was analyzed at 09:22

Trace ID: 26B0735-35

Analysis: SM 4500-H+ B-11

pH	Note PH01g : The pH was analyzed at 09:23

Trace ID: 26B0735-37

Analysis: SM 4500-H+ B-11

pH	Note PH01h : The pH was analyzed at 09:24

Trace ID: 26B0735-38

Analysis: SM 4500-H+ B-11

pH	Note PH01i : The pH was analyzed at 09:25

Trace ID: 26B0735-39

Analysis: SM 4500-H+ B-11

pH	Note PH01j : The pH was analyzed at 09:26

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Trace ID: 26B0735-40

Analysis: SM 4500-H+ B-11

pH	Note PH01k : The pH was analyzed at 09:27

Trace ID: 26B0735-41

Analysis: SM 4500-H+ B-11

pH	Note PH01l : The pH was analyzed at 09:28

Trace ID: T179556-DUP1

Analysis: SM 4500-H+ B-11

pH	Note PH01m : The pH was analyzed at 09:51

Trace ID: T179567-MS2

Analysis: EPA 200.7 Rev. 4.4

Calcium	Note MS09 : The MS recovery was out of control. Because the background concentration of this analyte is greater than 4X the spike amount, no data require qualification.

Trace ID: T179584-BLK1

Analysis: EPA 200.7 Rev. 4.4

Boron	Note BLK05 : A positive result for this analyte was found in the method blank. Because the concentration in the blank was less than 10% of the sample concentration, no qualification of data is necessary.

Trace ID: T179584-MS1

Analysis: EPA 200.7 Rev. 4.4

Sodium	Note MS09 : The MS recovery was out of control. Because the background concentration of this analyte is greater than 4X the spike amount, no data require qualification.

Trace ID: T179584-MS2

Analysis: EPA 200.7 Rev. 4.4

Calcium	Note MS09 : The MS recovery was out of control. Because the background concentration of this analyte is greater than 4X the spike amount, no data require qualification.

Trace ID: T179585-BLK1

Analysis: EPA 200.7 Rev. 4.4

Boron	Note BLK05 : A positive result for this analyte was found in the method blank. Because the concentration in the blank was less than 10% of the sample concentration, no qualification of data is necessary.

Trace ID: T179601-DUP1

Analysis: SM 4500-H+ B-11

pH	Note PH01t : The pH was analyzed at 9:12

Trace ID: T179631-DUP1

Analysis: SM 4500-H+ B-11

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pH

Note PH01a : The pH was analyzed at 09:16

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Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
Phone 231.773.5998
Fax 888.979.4469
www.trace-labs.com

Page 1 of 2

Trace ID No. 26B0735

Report Results To:

Company Name: HDR	
Report To: Molly Reese | Andrew Bykes	
Mailing Address: 1000 Oakbrook Drive, Suite 200	
City, State, Zip Code: Ann Arbor, MI 48104	
Office Phone:	Cell Phone:
Email Address: andrew.bykes@hdrinc.com	

Bill To:

PO #: 10237505.006	
Contact Name: Lara Zawislan	
Billing Address (if different):	
City, State, Zip Code:	
Phone Number:	
Billing Email Address:	

Trace Use:

Logged By: MT
Checked By: CN
Soil Volatiles Preserved (circle if applicable): MeOH Low Level Lab
Sampling Time:

Turnaround Requirements:

☒ Standard, 5-10 Days
☐ 3 Day*
☐ 1 Day*

*Results provided end of business day, requires prior approval.

Matrix Key:

S = Soil / Solid
W = Water
SL = Sludge
OI = Oil
WI = Wipes
LW = Liquid Waste
A = Air
D = Drinking Water

Project Name: Grand Haven
Sampled By: AB | FDR

Trace No.	Date Collected	Time Collected	Client Sample ID	Metals Field Filtered (Y / N)	Matrix	Number of Containers	Preservation: Cool	HCl	HNO_3	H_2SO_4	NaOH	Other	40 CFR Part 257 App III	40 CFR Part 257 App IV	Part 115 Metals	TSS	Low Level Hg	Dissolved Metals	Possible Health Hazards?	Remarks
1	2/17/26	910	MW-34	N	W	4	4			2		2	X	X	X	X	X	X		
2	2/17/26	1030	MW-33	N	W	4	4			2		2	X	X	X	X	X	X		
3	2/17/26	1216	MW-27	N	W	4	4			2		2	X	X	X	X	X	X		
4	2/17/26	1410	MW-11	N	W	4	4			2		2	X	X	X	X	X	X		
5	2/17/26	1910	MWT-11	N	W	4	4			2		2	X	X	X	X	X	X		
6	2/17/26	1030	MWT-33	N	W	4	4			2		2	X	X	X	X	X	X		
7	2/17/26	1555	MW-06	N	W	4	4			2		2	X	X	X	X	X	X		
8	2/17/26	1535	MW-41	N	W	4	4			2		2	X	X	X	X	X	X	X	>10 NTU
9	2/17/26	1415	MW-10	N	W	4	4			2		2	X	X	X	X	X	X		
10	2/17/26	1435	MWT-10	N	W	4	4			2		2	X	X	X	X	X	X		

Please Sign

	Released By	Date	Time	Received By
1)		2/18/26	0805	2)
3)				4)

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Phone 231.773.5998
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Trace ID No. 26B0735

Report Results To:

Company Name:	HDR
Report To:	Molly Reeves/Andrew Byks
Mailing Address:	1000 Oakbrook Dr. Ste. 200
City, State, Zip Code:	Ann Arbor, MI 48104
Office Phone:	Cell Phone:
Email Address:	Andrew.Byks@hdrinc.com

Bill To:

PO #:	10337505.006
Contact Name:	Lara Zawaideh
Billing Address (if different):	
City, State, Zip Code:	
Phone Number:	
Billing Email Address:	

Turnaround Requirements:

☒ Standard, 5-10 Days
☐ 3 Day*
☐ 1 Day*

*Results provided end of business day, requires prior approval.

Matrix Key:

S = Soil / Solid
W = Water
SL = Sludge
Oi = Oil
WI = Wipes
LW = Liquid Waste
A = Air
D = Drinking Water

Trace Use:

Logged By: MJ
Checked By: CW
Soil Volatiles Preserved (circle if applicable): MeOH Low Level Lab
Sampling Time:

Project Name: Grand Haven
Sampled By: AB/FDR

Trace No.	Date Collected	Time Collected	Client Sample ID	Metals Field Filtered (Y / N)	Matrix	Number of Containers	Preservation: Cool	HCl	HNO_3	H_2SO_4	NaOH	Other	40 CFR Part 257 App III	40 CFR Part 257 App IV	Part 115 Metals	TSS	Low Level Hg	Dissolved Metals	Remarks	Possible Health Hazards?
11	2/17/26	1225	MW-09	N	W	4	2					2	X	X	X	X	X			
12	2/17/26	1035	MW-02	N	W	4	2					2	X	X	X	X	X			
13	2/16/26	1555	MW-30	N	W	4	2					2	X	X	X	X	X		>10 NTU	
14	2/16/26	1640	MW-31	N	W	4	2					2	X	X	X	X	X			
15	2/16/26	1355	MW-32	N	W	4	4	2				2	X	X	X	X	X		710 NTU	
16	2/16/26	1740	LL HGTB-02162026	N	W	1	1					1		X	X	X	X			
17	2/17/26	1670	LL HG TB - 02172026	N	W	1	1					1					X			

Please Sign

	Released By	Date	Time	Received By
1)	Sarah Kay	2/18/26	0815	2)
3)				4)

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Trace ID No. 26B0735

Report Results To:

Company Name: HDR
Report To: Andrew Byks | Molly Reyes
Mailing Address: 1000 Oakbrook Drive, Suite 200
City, State, Zip Code: Ann Arbor MI, 48104
Office Phone: | Cell Phone:
Email Address: andrew.byks@hdrinc.com

Bill To:

PO#: 10337505
Contact Name: Lara Zawaideh
Billing Address (if different):
City, State, Zip Code:
Phone Number:
Billing Email Address:

Trace Use:

Logged By: MS
Checked By: MMC
Soil Volatiles Preserved (circle if applicable): MeOH | Low Level | Lab
Sampling Time:

Turnaround Requirements:

☒ Standard, 5-10 Days
☐ 3 Day*
☐ 1 Day*

*Results provided end of business day, requires prior approval.

Matrix Key:

S = Soil / Solid
W = Water
SL = Sludge
OI = Oil
WI = Wipes
LW = Liquid Waste
A = Air
D = Drinking Water

Project Name: Harbor Island
Sampled By: AB/FDR

Trace No.	Date Collected	Time Collected	Client Sample ID	Metals Field Filtered (Y / N)	Matrix	Number of Containers	Preservation: Cool	HCl	HNO_3	H_2SO_4	NaOH	Other	40 CFR Part 257 App III	40 CFR Part 257 App IV	MI Part 115 Metals	TSS	LL Hg	Dissolved Metals	Remarks	Possible Health Hazards?
18	2/16/26	1020	MW-08	N	W	4	4		2				X	X	X	X	X			
19	2/16/26	1155	MW-42	N	W	4	4		2				X	X	X	X	X			
20	2/18/26	1910	MW-17	N	W	4	4		2				X	X	X	X	X			
21	2/18/26	1525	MW-19	N	W	4	4		2				X	X	X	X	X			
22	2/18/26	1635	MW-28	N	W	4	4		2				X	X	X	X	X			
23	2/18/26	1710	LLHGTB-02182026	—	W	4	4		2								X			
24	2/18/26	935	MW-36	N	W	4	4		2				X	X	X	X	X			
25	2/18/26	1120	MW-37	N	W	4	4		2				X	X	X	X	X			
26	2/18/26	1200	MW-38	N	W	4	4		2				X	X	X	X	X			
27	2/18/26	1310	MW-13	N	W	4	4		2				X	X	X	X	X			

Analysis Requested

Please Sign	Released By	Date	Time	Received By	Released By	Date	Time	Received By
1)		2/19/26	7:59	2)				
3)				4)				

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Muskegon, MI 49444-2673

Phone 231.773.5998
Fax 888.979.4469
www.trace-labs.com

Trace ID No. 26B0735

Report Results To:

Company Name:	HDR
Report To:	Andrew Byks / Molly Reeves
Mailing Address:	1000 Oakbrook Drive, Suite 200
City, State, Zip Code:	Ann Arbor MI 48104
Office Phone:	Cell Phone:
Email Address:	andrew.byks@hdrinc.com

Bill To:

PO #:	10337505.
Contact Name:	Lara Zawaideh
Billing Address (if different):	
City, State, Zip Code:	
Phone Number:	
Billing Email Address:	

Trace Use:

Logged By:	MT
Checked By:	
Soil Volatiles Preserved (circle if applicable):	MeOH / Low Level / Lab
Sampling Time:	

Turnaround Requirements:

- ☒ Standard, 5-10 Days
- ☐ 3 Day*
- ☐ 1 Day*

*Results provided end of business day, requires prior approval.

Matrix Key:

S = Soil / Solid; WI = Wipes; W = Water; LW = Liquid Waste; SL = Sludge; A = Air; OI = Oil; D = Drinking Water

Project Name: Harbor Island

Sampled By: AB / FDR

Trace No.	Date Collected	Time Collected	Client Sample ID	Metals Field Filtered (Y / N)	Matrix	Number of Containers	Preservation: Cool	HCl	HNO_3	H_2SO_4	NaOH	Other	Analysis Requested	Possible Health Hazards?
25	2/18/26	1520	MW-12	N	W	4	4		2				X 40 CFR Part 257 App II	
													X 40 CFR Part 257 App III	
													X MI Part 115 Metals	
													X TSS	
													X LL Hg	
													Dissolved Metals	

Remarks

Please Sign	Released By	Received By	Date	Time	Released By	Received By	Date	Time
1)			2/19/26	7:59	2)			
3)					4)			

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Phone 231.773.5998
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Page 1 of 2

Trace ID No. 26B0735

Report Results To:

Company Name: HDR
Report To: Andrew Byks / Molly Reuter
Mailing Address: 1000 Oakbrook Drive, Suite 200
City, State, Zip Code: Ann Arbor, MI 48104
Office Phone: Cell Phone:
Email Address: andrew.byks@hdrinc.com

Bill To:

PO #: 10337505
Contact Name: Lara Zawaideh
Billing Address (if different):
City, State, Zip Code:
Phone Number:
Billing Email Address:

Turnaround Requirements:

☒ Standard, 5-10 Days
☐ 3 Day*
☐ 1 Day*

*Results provided end of business day, requires prior approval.

Matrix Key:

S = Soil / Solid
W = Water
SL = Sludge
OI = Oil
WI = Wipes
LW = Liquid Waste
A = Air
D = Drinking Water

Trace Use:

Logged By: MJ
Checked By: CN
Soil Volatiles Preserved (circle if applicable): MeOH Low Level Lab
Sampling Time:

Project Name: Grand Haven Harbor Island
Sampled By: AB/FDR

Trace No.	Date Collected	Time Collected	Client Sample ID	Metals Field Filtered (Y / N)	Matrix	Number of Containers	Preservation: Cool	HCl	HNO_3	H_2SO_4	NaOH	Other	40 CFR Part 257 App III	40 CFR App III Part 257	MI Part 115 Metals	TSS	LLHG	Dissolved Metals	Remarks	Possible Health Hazards?
29	2/19/26	0936	MW-03	N	W	4			2			1	X	X	X	X	X	X		
30	2/19/26	1038	MW-04	N	W	4			2			1	X	X	X	X	X	X		
31	2/19/26	1150	MW-04R	N	W	4			2			1	X	X	X	X	X	X		
32	2/19/26	1408	MW-01RB	N	W	4			2			1	X	X	X	X	X	X		
33	2/19/26	1540	MW-01R	N	W	4			2			1	X	X	X	X	X	X		
34	2/19/26	1710	MW-16	N	W	4			2			1	X	X	X	X	X	X		
35	2/19/26	1730	SG-07	N	W	4			2			1	X	X	X	X	X	X		
36	2/19/26	1745	LLHGTB-02192026	N	W	4						1	X	X	X	X		X		
37	2/19/26	1010	MW-07	N	W	4			2			1	X	X	X	X	X	X		
38	2/19/26	1215	MW-43	N	W	4			2			1	X	X	X	X	X	X		

Analysis Requested

Please Sign	Released By	Received By	Date	Time
1)	Sam Kay	Matt	2/20/26	0802
2)				
3)				
4)				

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Phone 231.773.5998
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Trace ID No. MJ 2/20/26
~~26B0694~~
26B0735

Report Results To:

Company Name:	HDR
Report To:	Andrew Byks / Molly Reeves
Mailing Address:	1000 Oakbrook Drive, Suite 200
City, State, Zip Code:	Ann Arbor, MI 48104
Office Phone:	Cell Phone:
Email Address:	andrew.byks@hdrinc.com

Bill To:

PO #:	10337505
Contact Name:	Lara Zawadeh
Billing Address (if different):	
City, State, Zip Code:	
Phone Number:	
Billing Email Address:	

Trace Use:

Logged By:	MJ
Checked By:	CN
Soil Volatiles Preserved (circle if applicable):	MeOH / Low Level / Lab
Sampling Time:	

Turnaround Requirements:
- ☒ Standard, 5-10 Days
- ☐ 3 Day*
- ☐ 1 Day*

*Results provided end of business day, requires prior approval.

Matrix Key:
S = Soil / Solid, WI = Wipes, W = Water, LW = Liquid Waste, SL = Sludge, A = Air, OI = Oil, D = Drinking Water

Project Name: Grand Haven Harbor Island
Sampled By: AB / FDR

Trace No.	Date Collected	Time Collected	Client Sample ID	Metals Field Filtered (Y / N)	Matrix	Number of Containers	Preservation: Cool	HCl	HNO_3	H_2SO_4	NaOH	Other	40 CFR Part 257 App III	40 CFR Part 257 App IV	MI Part 115 Metals	TSS	LLHg	Dissolved Metals	Remarks	Possible Health Hazards?
39	2/19/26	1320	MW-20	N	W	4	4	2				1	X	X	X	X	X			
40	2/19/26	1440	MW-18	N	W	4	4	2				1	X	X	X	X	X			
41	2/19/26	1620	MW-39	N	W	4	4	2				1	X	X	X	X	X			

Analysis Requested

Please Sign	Released By	Received By	Date	Time
1)	[signature]	[signature]	2/20/26	0802
2)				
3)				
4)				

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888-979-4469 Fax
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26B0735
HDR Michigan Inc.
Project Manager: Jon Mink

Sample Log In Checklist

	Original Observation	Corrected Temperature	IR-9 (CF: +0.2°C)	IR-12 (CF: 0.0°C)	IR-13 (CF: -0.6°C)	IR-14 (CF: -1.3°C)	SR1 (CF: -0.2°C)	SR2 (CF: -0.3°C)	Temp Blank	Client Sample
Date: 2/18/26										
Time: 822										
Initials: SAB										
Package Description: Cooler										
Package Temp °C	-2.0	-1.8	✓							
Representative Sample Temp °C	0.8	0.5						✓	✓	

Sample Receipt

Yes No
- ☑ ☐ Received on ice or other coolant
- ☑ ☐ Ice still present upon receipt
- ☐ ☑ Custody seals present — ☐ Yes ☐ No Custody seals intact (if applicable)
- ☐ Trace Courier ☑ Client Drop-off — ☐ UPS ☐ Fed Ex ☐ US Mail ☐ Other

Sample Condition

Yes No N/A
- ☑ ☐ ☐ All sample containers arrived unbroken and labeled
- ☑ ☐ ☐ Sufficient sample to run requested analyses
- ☑ ☐ ☐ Correct chemical preservative added to samples
- ☐ ☑ ☐ Samples preserved at Trace (if yes, fill in preservation information below)
  Preservation - Reagent:_____ LIMS ID:_____ Date/Time:_____
- ☑ ☐ ☐ Chemical preservation verified, check EMD pH test strip used (if applicable)
  ☑ pH 0-2.5 (Lot: HC461264) ☐ pH 11.0-13.0 (Lot: HC022540) ☐ Other
- ☐ ☐ ☑ Air bubbles absent from VOAs (no bubble greater than 6mm) _____

Chain of Custody (COC)

Yes No
- ☑ ☐ All bottle labels agree with COC
- ☑ ☐ COC filled out properly
- ☑ ☐ COC signed by client

Notes:

MW-32, LLHGTB-02162026, LLHGTB-02172026

Form 70-A.61
Effective 12/1/25

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888-979-4469 Fax
www.trace-labs.com

26B0735

HDR Michigan Inc.
Project Manager: Jon Mink

Sample Log In Checklist

	Original Observation	Corrected Temperature	IR-9 (CF: +0.2°C)	IR-12 (CF: 0.0°C)	IR-13 (CF: -0.6°C)	IR-14 (CF: -1.3°C)	SR1 (CF: -0.2°C)	SR2 (CF: -0.3°C)	Temp Blank	Client Sample
Date: 2/18/26										
Time: 822										
Initials: SAB										
Package Description: Cooler										
Package Temp °C	-2.0	-1.8	✓							
Representative Sample Temp °C	0.8	0.5						✓	✓	

Sample Receipt

Yes No

- [x] [ ] Received on ice or other coolant
- [x] [ ] Ice still present upon receipt
- [ ] [x] Custody seals present — [ ] Yes [ ] No Custody seals intact (if applicable)
- [ ] Trace Courier [x] Client Drop-off [ ] UPS [ ] Fed Ex [ ] US Mail [ ] Other

Sample Condition

Yes No N/A

- [x] [ ] [ ] All sample containers arrived unbroken and labeled
- [x] [ ] [ ] Sufficient sample to run requested analyses
- [x] [ ] [ ] Correct chemical preservative added to samples
- [ ] [x] [ ] Samples preserved at Trace (if yes, fill in preservation information below)
  Preservation - Reagent:_____ LIMS ID:_____ Date/Time:_____
- [x] [ ] [ ] Chemical preservation verified, check EMD pH test strip used (if applicable)
  [x] pH 0-2.5 (Lot: HC461264) [ ] pH 11.0-13.0 (Lot: HC022540) [ ] Other
- [ ] [ ] [x] Air bubbles absent from VOAs (no bubble greater than 6mm) _____

Chain of Custody (COC)

Yes No

- [x] [ ] All bottle labels agree with COC
- [x] [ ] COC filled out properly
- [x] [ ] COC signed by client

Notes:

MWT-10, MW-09, MW-02, MW-31

Form 70-A.61
Effective 12/1/25

TRACE Analytical Laboratories, Inc.

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www.trace-labs.com

26B0735
HDR Michigan Inc.
Project Manager: Jon Mink

Sample Log In Checklist

	Original Observation	Corrected Temperature	IR-9 (CF: +0.2°C)	IR-12 (CF: 0.0°C)	IR-13 (CF: -0.6°C)	IR-14 (CF: -1.3°C)	SR1 (CF: -0.2°C)	SR2 (CF: -0.3°C)	Temp Blank	Client Sample
Date: 2/18/26										
Time: 822										
Initials: SAB										
Package Description: Cooler										
Package Temp °C	-2.0	-1.8	✓							
Representative Sample Temp °C	0.8	0.5						✓	✓	

Sample Receipt

Yes No
- ☑ ☐ Received on ice or other coolant
- ☑ ☐ Ice still present upon receipt
- ☐ ☑ Custody seals present — ☐ Yes ☐ No Custody seals intact (if applicable)
- ☐ Trace Courier ☑ Client Drop-off — ☐ UPS ☐ Fed Ex ☐ US Mail ☐ Other

Sample Condition

Yes No N/A
- ☑ ☐ ☐ All sample containers arrived unbroken and labeled
- ☑ ☐ ☐ Sufficient sample to run requested analyses
- ☑ ☐ ☐ Correct chemical preservative added to samples
- ☐ ☑ ☐ Samples preserved at Trace (if yes, fill in preservation information below)
  Preservation - Reagent:_____ LIMS ID:_____ Date/Time:_____
- ☑ ☐ ☐ Chemical preservation verified, check EMD pH test strip used (if applicable)
  ☑ pH 0-2.5 (Lot: HC461264) ☐ pH 11.0-13.0 (Lot: HC022540) ☐ Other
- ☐ ☐ ☑ Air bubbles absent from VOAs (no bubble greater than 6mm) _____

Chain of Custody (COC)

Yes No
- ☑ ☐ All bottle labels agree with COC
- ☑ ☐ COC filled out properly
- ☑ ☐ COC signed by client

Notes:
MWT-33, MW-06, MW-41, MW-10

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Sample Log In Checklist

	Original Observation	Corrected Temperature	IR-9 (CF: +0.2°C)	IR-12 (CF: 0.0°C)	IR-13 (CF: -0.6°C)	IR-14 (CF: -1.3°C)	SR1 (CF: -0.2°C)	SR2 (CF: -0.3°C)	Temp Blank	Client Sample
Date: 2/18/26										
Time: 822										
Initials: SAB										
Package Description: Cooler										
Package Temp °C	-2.0	-1.8	✓							
Representative Sample Temp °C	0.8	0.5							✓	✓

Sample Receipt

Yes No

- [x] [ ] Received on ice or other coolant
- [x] [ ] Ice still present upon receipt
- [ ] [x] Custody seals present — [ ] Yes [ ] No Custody seals intact (if applicable)
- [ ] Trace Courier [x] Client Drop-off — [ ] UPS [ ] Fed Ex [ ] US Mail [ ] Other

Sample Condition

Yes No N/A

- [x] [ ] [ ] All sample containers arrived unbroken and labeled
- [x] [ ] [ ] Sufficient sample to run requested analyses
- [x] [ ] [ ] Correct chemical preservative added to samples
- [ ] [x] [ ] Samples preserved at Trace (if yes, fill in preservation information below)
  Preservation - Reagent:_____ LIMS ID:_____ Date/Time:_____
- [x] [ ] [ ] Chemical preservation verified, check EMD pH test strip used (if applicable)
  [x] pH 0-2.5 (Lot: HC461264) [ ] pH 11.0-13.0 (Lot: HC022540) [ ] Other
- [ ] [ ] [x] Air bubbles absent from VOAs (no bubble greater than 6mm) _____

Chain of Custody (COC)

Yes No

- [x] [ ] All bottle labels agree with COC
- [x] [ ] COC filled out properly
- [x] [ ] COC signed by client

Notes:

MW-34, MW-33, MW-27, ~~MW-2~~ - MW-11, MWT-11
SAB 2/18/26

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Effective 12/1/25

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26B0735

HDR Michigan Inc.
Project Manager: Jon Mink

Sample Log In Checklist

	Original Observation	Corrected Temperature	IR-9 (CF: +0.2°C)	IR-12 (CF: 0.0°C)	IR-13 (CF: -0.6°C)	IR-14 (CF: -1.3°C)	SR1 (CF: -0.2°C)	SR2 (CF: -0.3°C)	Temp Blank	Client Sample
Date: 2/18/26										
Time: 822										
Initials: SAB										
Package Description: Cooler										
Package Temp °C	-2.0	-1.8	✓							
Representative Sample Temp °C	0.8	0.5						✓	✓	

Sample Receipt

Yes No

- [x] [ ] Received on ice or other coolant
- [x] [ ] Ice still present upon receipt
- [ ] [x] Custody seals present — [ ] Yes [ ] No Custody seals intact (if applicable)
- [ ] Trace Courier [x] Client Drop-off [ ] UPS [ ] Fed Ex [ ] US Mail [ ] Other

Sample Condition

Yes No N/A

- [x] [ ] [ ] All sample containers arrived unbroken and labeled
- [x] [ ] [ ] Sufficient sample to run requested analyses
- [x] [ ] [ ] Correct chemical preservative added to samples
- [ ] [x] [ ] Samples preserved at Trace (if yes, fill in preservation information below)
  Preservation - Reagent:_____ LIMS ID:_____ Date/Time:_____
- [x] [ ] [ ] Chemical preservation verified, check EMD pH test strip used (if applicable)
  [x] pH 0-2.5 (Lot: HC461264) [ ] pH 11.0-13.0 (Lot: HC022540) [ ] Other
- [ ] [ ] [x] Air bubbles absent from VOAs (no bubble greater than 6mm) _____

Chain of Custody (COC)

Yes No

- [x] [ ] All bottle labels agree with COC
- [x] [ ] COC filled out properly
- [x] [ ] COC signed by client

Notes:

MW-34, MW-33, MW-27, MW-11, MW-33

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26B0735
HDR Michigan Inc.
Project Manager: Jon Mink

Sample Log In Checklist

	Original Observation	Corrected Temperature	IR-9 (CF: +0.2°C)	IR-12 (CF: 0.0°C)	IR-13 (CF: -0.6°C)	IR-14 (CF: -1.3°C)	SR1 (CF: -0.2°C)	SR2 (CF: -0.3°C)	Temp Blank	Client Sample
Date: 2/18/26										
Time: 822										
Initials: SAB										
Package Description: Cooler										
Package Temp °C	-2.0	-1.8	✓							
Representative Sample Temp °C	0.8	0.5						✓	✓	

Sample Receipt

Yes No
- [x] [ ] Received on ice or other coolant
- [x] [ ] Ice still present upon receipt
- [ ] [x] Custody seals present — [ ] Yes [ ] No Custody seals intact (if applicable)
- [ ] Trace Courier [x] Client Drop-off [ ] UPS [ ] Fed Ex [ ] US Mail [ ] Other

Sample Condition

Yes No N/A
- [x] [ ] [ ] All sample containers arrived unbroken and labeled
- [x] [ ] [ ] Sufficient sample to run requested analyses
- [x] [ ] [ ] Correct chemical preservative added to samples
- [ ] [x] [ ] Samples preserved at Trace (if yes, fill in preservation information below)
  Preservation - Reagent:_____ LIMS ID:_____ Date/Time:_____
- [x] [ ] [ ] Chemical preservation verified, check EMD pH test strip used (if applicable)
  [x] pH 0-2.5 (Lot: HC461264) [ ] pH 11.0-13.0 (Lot: HC022540) [ ] Other
- [ ] [ ] [x] Air bubbles absent from VOAs (no bubble greater than 6mm) _____

Chain of Custody (COC)

Yes No
- [x] [ ] All bottle labels agree with COC
- [x] [ ] COC filled out properly
- [x] [ ] COC signed by client

Notes:
MW-06, MW-41, MW-10, MWT-10

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26B0735
HDR Michigan Inc.
Project Manager: Jon Mink

Sample Log In Checklist

	Original Observation	Corrected Temperature	IR-9 (CF: +0.2°C)	IR-12 (CF: 0.0°C)	IR-13 (CF: -0.6°C)	IR-14 (CF: -1.3°C)	SR1 (CF: -0.2°C)	SR2 (CF: -0.3°C)	Temp Blank	Client Sample
Date: 2/18/26										
Time: 822										
Initials: SAB										
Package Description: Cooler										
Package Temp °C	-2.0	-1.8	✓							
Representative Sample Temp °C	0.8	0.5						✓	✓	

Sample Receipt

Yes No
- [x] [ ] Received on ice or other coolant
- [x] [ ] Ice still present upon receipt
- [ ] [x] Custody seals present — [ ] Yes [ ] No Custody seals intact (if applicable)
- [ ] Trace Courier [x] Client Drop-off [ ] UPS [ ] Fed Ex [ ] US Mail [ ] Other

Sample Condition

Yes No N/A
- [x] [ ] [ ] All sample containers arrived unbroken and labeled
- [x] [ ] [ ] Sufficient sample to run requested analyses
- [x] [ ] [ ] Correct chemical preservative added to samples
- [ ] [x] [ ] Samples preserved at Trace (if yes, fill in preservation information below)
  Preservation - Reagent:_____ LIMS ID:_____ Date/Time:_____
- [x] [ ] [ ] Chemical preservation verified, check EMD pH test strip used (if applicable)
  [x] pH 0-2.5 (Lot: HC461264) [ ] pH 11.0-13.0 (Lot: HC022540) [ ] Other
- [ ] [ ] [x] Air bubbles absent from VOAs (no bubble greater than 6mm) _____

Chain of Custody (COC)

Yes No
- [x] [ ] All bottle labels agree with COC
- [x] [ ] COC filled out properly
- [x] [ ] COC signed by client

Notes:

MW-09, MW-02, ~~MW-03~~, MW-30, MW-31
SAB 2/18/26

Form 70-A.61
Effective 12/1/25

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26B0735

HDR Michigan Inc.
Project Manager: Jon Mink

Sample Log In Checklist

	Original Observation	Corrected Temperature	IR-9 (CF: +0.2°C)	IR-12 (CF: 0.0°C)	IR-13 (CF: -0.6°C)	IR-14 (CF: -1.3°C)	SR1 (CF: -0.2°C)	SR2 (CF: -0.3°C)	Temp Blank	Client Sample
Date: 2/18/26										
Time: 822										
Initials: SAB										
Package Description: Cooler										
Package Temp °C	-2.0	-1.8	✓							
Representative Sample Temp °C	0.8	0.5						✓	✓	

Sample Receipt

Yes No

- [x] [ ] Received on ice or other coolant
- [x] [ ] Ice still present upon receipt
- [ ] [x] Custody seals present — [ ] Yes [ ] No Custody seals intact (if applicable)
- [ ] Trace Courier [x] Client Drop-off [ ] UPS [ ] Fed Ex [ ] US Mail [ ] Other

Sample Condition

Yes No N/A

- [x] [ ] [ ] All sample containers arrived unbroken and labeled
- [x] [ ] [ ] Sufficient sample to run requested analyses
- [x] [ ] [ ] Correct chemical preservative added to samples
- [ ] [x] [ ] Samples preserved at Trace (if yes, fill in preservation information below)
  Preservation - Reagent:_____ LIMS ID:_____ Date/Time:_____
- [x] [ ] [ ] Chemical preservation verified, check EMD pH test strip used (if applicable)
  [x] pH 0-2.5 (Lot: HC461264) [ ] pH 11.0-13.0 (Lot: HC022540) [ ] Other
- [ ] [ ] [x] Air bubbles absent from VOAs (no bubble greater than 6mm) _____

Chain of Custody (COC)

Yes No

- [x] [ ] All bottle labels agree with COC
- [x] [ ] COC filled out properly
- [x] [ ] COC signed by client

Notes:

MW-32, LL HG+B -0216 2026, LL HGTB -02172026

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MD

26B0735
HDR Michigan Inc.
Project Manager: Jon Mink

Sample Log In Checklist

	Original Observation	Corrected Temperature	IR-9 (CF: +0.2°C)	IR-12 (CF: 0.0°C)	IR-13 (CF: -0.6°C)	IR-14 (CF: -1.3°C)	SR1 (CF: -0.2°C)	SR2 (CF: -0.3°C)	Temp Blank	Client Sample
Date: 2/18/26										
Time: 835										
Initials: MCL										
Package Description: cooler										
Package Temp °C	1.8	1.2			/					
Representative Sample Temp °C	1.0	0.4			/					/

Sample Receipt

Yes No

- [x] [ ] Received on ice or other coolant
- [x] [ ] Ice still present upon receipt
- [ ] [x] Custody seals present — [ ] Yes [ ] No Custody seals intact (if applicable)
- [ ] Trace Courier [x] Client Drop-off [ ] UPS [ ] Fed Ex [ ] US Mail [ ] Other

Sample Condition

Yes No N/A

- [x] [ ] [ ] All sample containers arrived unbroken and labeled
- [x] [ ] [ ] Sufficient sample to run requested analyses
- [x] [ ] [ ] Correct chemical preservative added to samples
- [ ] [x] [ ] Samples preserved at Trace (if yes, fill in preservation information below)
  Preservation - Reagent:_____ LIMS ID:_____ Date/Time:_____
- [x] [ ] [ ] Chemical preservation verified, check EMD pH test strip used (if applicable)
  [x] pH 0-2.5 (Lot: HC461264) [ ] pH 11.0-13.0 (Lot: HC022540) [ ] Other
- [ ] [ ] [x] Air bubbles absent from VOAs (no bubble greater than 6mm) _____

Chain of Custody (COC)

Yes No

- [x] [ ] All bottle labels agree with COC
- [x] [ ] COC filled out properly
- [x] [ ] COC signed by client

Notes:

MW-08
MW-42
MW-17
MW-19
MW-28
LL4GTB-02182026

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Effective 12/1/25

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888-979-4469 Fax
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LC6

26B0735
HDR Michigan Inc.
Project Manager: Jon Mink

Sample Log In Checklist

	Original Observation	Corrected Temperature	IR-9 (CF: +0.2°C)	IR-12 (CF: 0.0°C)	IR-13 (CF: -0.6°C)	IR-14 (CF: -1.3°C)	SR1 (CF: -0.2°C)	SR2 (CF: -0.3°C)	Temp Blank	Client Sample
Date: 2/18/26										
Time: 835										
Initials: MCL										
Package Description: cooler										
Package Temp °C	1.2	0.6			/					
Representative Sample Temp °C	2.0	1.4			/					/

Sample Receipt

Yes No

- [x] [ ] Received on ice or other coolant
- [x] [ ] Ice still present upon receipt
- [ ] [x] Custody seals present — [ ] Yes [ ] No Custody seals intact (if applicable)
- [ ] Trace Courier [x] Client Drop-off [ ] UPS [ ] Fed Ex [ ] US Mail [ ] Other

Sample Condition

Yes No N/A

- [x] [ ] [ ] All sample containers arrived unbroken and labeled
- [x] [ ] [ ] Sufficient sample to run requested analyses
- [x] [ ] [ ] Correct chemical preservative added to samples
- [ ] [x] [ ] Samples preserved at Trace (if yes, fill in preservation information below)
  Preservation - Reagent:_____ LIMS ID:_____ Date/Time:_____
- [x] [ ] [ ] Chemical preservation verified, check EMD pH test strip used (if applicable)
  [x] pH 0-2.5 (Lot: HC461264) [ ] pH 11.0-13.0 (Lot: HC022540) [ ] Other
- [ ] [ ] [x] Air bubbles absent from VOAs (no bubble greater than 6mm) _____

Chain of Custody (COC)

Yes No

- [x] [ ] All bottle labels agree with COC
- [x] [ ] COC filled out properly
- [x] [ ] COC signed by client

Notes:

MW-36
MW-37
MW-38
MW-13
MW-12

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26B0735
HDR Michigan Inc.
Project Manager: Jon Mink

Sample Log In Checklist

	Original Observation	Corrected Temperature	IR-9 (CF: +0.2°C)	IR-12 (CF: 0.0°C)	IR-13 (CF: -0.6°C)	IR-14 (CF: -1.3°C)	SR1 (CF: -0.2°C)	SR2 (CF: -0.3°C)	Temp Blank	Client Sample
Date: 2/20/26										
Time: 8:05										
Initials: CN										
Package Description: Cooler										
Package Temp °C	0.0	0.0		✓						
Representative Sample Temp °C	5.4	5.4		✓						✓

Sample Receipt

Yes No

- [x] [ ] Received on ice or other coolant
- [x] [ ] Ice still present upon receipt
- [ ] [x] Custody seals present — [ ] Yes [ ] No Custody seals intact (if applicable)
- [ ] Trace Courier [x] Client Drop-off — [ ] UPS [ ] Fed Ex [ ] US Mail [ ] Other

Sample Condition

Yes No N/A

- [x] [ ] [ ] All sample containers arrived unbroken and labeled
- [x] [ ] [ ] Sufficient sample to run requested analyses
- [x] [ ] [ ] Correct chemical preservative added to samples
- [ ] [ ] [x] Samples preserved at Trace (if yes, fill in preservation information below)
  Preservation - Reagent:_____ LIMS ID:_____ Date/Time:_____
- [x] [ ] [ ] Chemical preservation verified, check EMD pH test strip used (if applicable)
  [x] pH 0-2.5 (Lot: HC461264) [ ] pH 11.0-13.0 (Lot: HC022540) [ ] Other
- [ ] [ ] [x] Air bubbles absent from VOAs (no bubble greater than 6mm) _____

Chain of Custody (COC)

Yes No

- [ ] [x] All bottle labels agree with COC
- [x] [ ] COC filled out properly
- [x] [ ] COC signed by client

Notes:

30 on COC does not match label on container. COC says MW01, Sample says MW-01R

N2/20/26

MW-43, 20, 18, 39

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Effective 12/1/25

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jon Mink
Trace Analytical Laboratories
2241 Black Creek Road
Muskegon, Michigan 49444

Generated 4/10/2026 3:26:35 PM Revision 1

JOB DESCRIPTION

26B0744

JOB NUMBER

810-181760-1

Eurofins South Bend
110 S Hill Street
South Bend IN 46617

See page two for job notes and contact information.

my EOL

Job Notes

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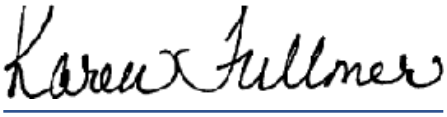

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Revision 1

Authorized for release by
Karen Fullmer, Project Manager
Karen.Fullmer@et.eurofinsus.com
(574)233-4777

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Definitions/Glossary

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

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

Job Narrative
810-181760-1

REVISION

The report being provided is a revision of the original report sent on 3/31/2026. The report (revision 1) is being revised due to client request for sample ID changes per Jon Mink..

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

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

Receipt
The samples were received on 2/24/2026 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions
<Sample received unpreserved. Sample is out of the 5 day preservation SOP for rads samples. >

MW-36 (810-181760-21)

Jon Mink asked us to adjust the sample pH and proceed with the analysis.

The reference method requires samples to be preserved to a pH of less than two. The following samples were received with insufficient preservation at a pH of 7: MW-02 (810-181760-12), MW-03 (810-181760-26) and MW-01R (810-181760-30). The samples were preserved to the appropriate pH in the laboratory.
Affected Conatiners:
A-12
A-26
A-30

Gas Flow Proportional Counter
Method 904.0: Radium-228 batch 759118
The detection goal was not met for the following sample due to the reduced sample volume used for prep attributed to the presence of matrix interferences: MW-27 (810-181760-3). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium 228 Batch 759120

The MDC for the following sample(s) is flagged as failing; The laboratory considers the detection goal (requested limit) met when rounding to the appropriate place value. MW-09 (810-181760-11), MW-31 (810-181760-14) and (MB 160-759120/1-A)

Method 904.0: Radium 228 Batch 759120

The Radium-228 laboratory control sample (LCS) associated with the following samples recovered at 132%: (LCS 160-759120/2-A). The limits in our LIMS system at 75-125% reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of 72-154%. The LCS is within criteria and no further action is required.

Method 904.0: Radium 228 Batch 759120

Job ID: 810-181760-1 (Continued) Eurofins South Bend

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. MW-02 (810-181760-12), MW-38 (810-181760-23), MW-03 (810-181760-26) and MW-04R (810-181760-28)

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

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

Client Sample ID: MW-34

Lab Sample ID: 810-181760-1

Date Collected: 02/17/26 09:10

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.452		0.183	0.187	1.00	0.220	pCi/L	02/27/26 06:47	03/23/26 20:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.4*		*30 - 110*	*02/27/26 06:47*	*03/23/26 20:46*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.947		0.587	0.593	1.00	0.866	pCi/L	02/27/26 06:54	03/16/26 12:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.4*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:25*	*1*
Y Carrier	*80.0*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:25*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.40		0.615	0.622	5.00	0.866	pCi/L		03/24/26 10:33	1

Client Sample ID: MW-33

Lab Sample ID: 810-181760-2

Date Collected: 02/17/26 10:30

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.130	U	0.144	0.144	1.00	0.234	pCi/L	02/27/26 06:47	03/23/26 20:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.7*		*30 - 110*	*02/27/26 06:47*	*03/23/26 20:46*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.751	U	0.413	0.419	1.00	0.982	pCi/L	02/27/26 06:54	03/16/26 12:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.7*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:25*	*1*
Y Carrier	*79.6*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:25*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.130	U	0.437	0.443	5.00	0.982	pCi/L		03/24/26 10:33	1

Client Sample ID: MW-27

Lab Sample ID: 810-181760-3

Date Collected: 02/17/26 12:10

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.172	U	0.135	0.136	1.00	0.200	pCi/L	02/27/26 06:47	03/23/26 20:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.1*		*30 - 110*	*02/27/26 06:47*	*03/23/26 20:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.802	U G	0.650	0.654	1.00	1.01	pCi/L	02/27/26 06:54	03/16/26 12:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.1*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:25*	*1*
Y Carrier	*79.3*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:25*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.974	U	0.664	0.668	5.00	1.01	pCi/L		03/24/26 10:33	1

Client Sample ID: MW-11

Lab Sample ID: 810-181760-4

Date Collected: 02/17/26 19:10

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.324**		0.165	0.168	1.00	0.218	pCi/L	02/27/26 06:47	03/23/26 20:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.7*		*30 - 110*	*02/27/26 06:47*	*03/23/26 20:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.472	U	0.516	0.518	1.00	0.841	pCi/L	02/27/26 06:54	03/16/26 12:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.7*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:25*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:25*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.796	U	0.542	0.545	5.00	0.841	pCi/L		03/24/26 10:33	1

Client Sample ID: MWT-11

Date Collected: 02/17/26 19:10
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-5

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.396		0.132	0.137	1.00	0.139	pCi/L	02/27/26 06:47	03/23/26 20:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*02/27/26 06:47*	*03/23/26 20:38*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.341	U	0.353	0.355	1.00	0.572	pCi/L	02/27/26 06:54	03/16/26 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:27*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:27*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.738		0.377	0.381	5.00	0.572	pCi/L		03/24/26 10:33	1

Client Sample ID: MWT-33

Date Collected: 02/17/26 10:30
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-6

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0246	U	0.0629	0.0629	1.00	0.150	pCi/L	02/27/26 06:47	03/23/26 20:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.0*		*30 - 110*	*02/27/26 06:47*	*03/23/26 20:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.126	U	0.491	0.491	1.00	0.879	pCi/L	02/27/26 06:54	03/16/26 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.0*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:27*	*1*
Y Carrier	*83.0*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:27*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.126	U	0.495	0.495	5.00	0.879	pCi/L		03/24/26 10:33	1

Client Sample ID: MW-06

Lab Sample ID: 810-181760-7

Date Collected: 02/17/26 15:55

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.196		0.0913	0.0930	1.00	0.100	pCi/L	02/27/26 06:47	03/23/26 20:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*02/27/26 06:47*	*03/23/26 20:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.09		0.481	0.491	1.00	0.664	pCi/L	02/27/26 06:54	03/16/26 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:27*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:27*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.28		0.490	0.500	5.00	0.664	pCi/L		03/24/26 10:33	1

Client Sample ID: MW-41

Lab Sample ID: 810-181760-8

Date Collected: 02/17/26 15:35

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.271		0.132	0.134	1.00	0.150	pCi/L	02/27/26 06:47	03/23/26 20:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.9*		*30 - 110*	*02/27/26 06:47*	*03/23/26 20:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.153	U	0.468	0.469	1.00	0.838	pCi/L	02/27/26 06:54	03/16/26 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.9*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:27*	*1*
Y Carrier	*79.6*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:27*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.423	U	0.486	0.488	5.00	0.838	pCi/L		03/24/26 10:33	1

Client Sample ID: MW-10

Lab Sample ID: 810-181760-9

Date Collected: 02/17/26 14:15

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.106	U	0.0784	0.0790	1.00	0.108	pCi/L	02/27/26 06:47	03/23/26 20:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.4*		*30 - 110*	*02/27/26 06:47*	*03/23/26 20:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0459	U	0.333	0.333	1.00	0.613	pCi/L	02/27/26 06:54	03/16/26 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.4*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:27*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/27/26 06:54*	*03/16/26 12:27*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.152	U	0.342	0.342	5.00	0.613	pCi/L		03/24/26 10:33	1

Client Sample ID: MWT-10

Lab Sample ID: 810-181760-10

Date Collected: 02/17/26 14:35

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.153**		0.0909	0.0920	1.00	0.116	pCi/L	02/27/26 06:58	03/24/26 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*02/27/26 06:58*	*03/24/26 09:55*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.909**		0.448	0.456	1.00	0.625	pCi/L	02/27/26 07:01	03/18/26 09:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:47*	*1*
Y Carrier	*81.1*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.06**		0.457	0.465	5.00	0.625	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-09

Date Collected: 02/17/26 12:25
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-11

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0159	U	0.0660	0.0660	1.00	0.132	pCi/L	02/27/26 06:58	03/24/26 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*69.4*		*30 - 110*	*02/27/26 06:58*	*03/24/26 09:55*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.787	U G	0.708	0.712	1.00	1.12	pCi/L	02/27/26 07:01	03/18/26 12:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*69.4*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:48*	*1*
Y Carrier	*80.0*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.803	U	0.711	0.715	5.00	1.12	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-02

Date Collected: 02/17/26 10:35
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-12

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**1.03**		0.372	0.383	1.00	0.404	pCi/L	02/27/26 06:58	03/24/26 12:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.3*		*30 - 110*	*02/27/26 06:58*	*03/24/26 12:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.04	U G	1.59	1.60	1.00	2.69	pCi/L	02/27/26 07:01	03/18/26 12:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.3*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:48*	*1*
Y Carrier	*77.8*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.08	U	1.63	1.65	5.00	2.69	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-30

Date Collected: 02/16/26 15:55
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-13

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.116	U	0.0980	0.0985	1.00	0.146	pCi/L	02/27/26 06:58	03/24/26 12:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*70.0*		*30 - 110*	*02/27/26 06:58*	*03/24/26 12:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.472	U	0.553	0.555	1.00	0.911	pCi/L	02/27/26 07:01	03/18/26 09:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*70.0*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:47*	*1*
Y Carrier	*76.3*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.587	U	0.562	0.564	5.00	0.911	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-31

Date Collected: 02/16/26 16:40
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-14

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.156	U	0.111	0.111	1.00	0.160	pCi/L	02/27/26 06:58	03/24/26 14:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.6*		*30 - 110*	*02/27/26 06:58*	*03/24/26 14:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.453	U G	0.656	0.657	1.00	1.10	pCi/L	02/27/26 07:01	03/18/26 12:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.6*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:48*	*1*
Y Carrier	*78.1*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.609	U	0.665	0.666	5.00	1.10	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-32

Lab Sample ID: 810-181760-15

Date Collected: 02/16/26 13:55

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0897	U	0.0760	0.0764	1.00	0.112	pCi/L	02/27/26 06:58	03/24/26 14:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*02/27/26 06:58*	*03/24/26 14:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.793**		0.487	0.492	1.00	0.726	pCi/L	02/27/26 07:01	03/18/26 09:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:46*	*1*
Y Carrier	*77.4*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:46*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.883**		0.493	0.498	5.00	0.726	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-08

Lab Sample ID: 810-181760-16

Date Collected: 02/18/26 10:20

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0690	U	0.0784	0.0786	1.00	0.126	pCi/L	02/27/26 06:58	03/24/26 14:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*70.6*		*30 - 110*	*02/27/26 06:58*	*03/24/26 14:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.667	U	0.526	0.530	1.00	0.817	pCi/L	02/27/26 07:01	03/18/26 09:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*70.6*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:47*	*1*
Y Carrier	*77.4*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.736	U	0.532	0.536	5.00	0.817	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-42

Date Collected: 02/18/26 11:55
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-17

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0325	U	0.0666	0.0667	1.00	0.121	pCi/L	02/27/26 06:58	03/24/26 14:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.7*		*30 - 110*	*02/27/26 06:58*	*03/24/26 14:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.905**		0.556	0.562	1.00	0.827	pCi/L	02/27/26 07:01	03/18/26 09:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.7*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:48*	*1*
Y Carrier	*74.8*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.938**		0.560	0.566	5.00	0.827	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-17

Date Collected: 02/18/26 14:10
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-18

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0518	U	0.0797	0.0799	1.00	0.137	pCi/L	02/27/26 06:58	03/24/26 14:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.0*		*30 - 110*	*02/27/26 06:58*	*03/24/26 14:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.513	U	0.609	0.611	1.00	1.00	pCi/L	02/27/26 07:01	03/18/26 12:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.0*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:48*	*1*
Y Carrier	*77.0*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.565	U	0.614	0.616	5.00	1.00	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-19

Date Collected: 02/18/26 15:25
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-19

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.108	U	0.0879	0.0884	1.00	0.127	pCi/L	02/27/26 06:58	03/24/26 14:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*02/27/26 06:58*	*03/24/26 14:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.773**		0.468	0.473	1.00	0.684	pCi/L	02/27/26 07:01	03/18/26 09:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:49*	*1*
Y Carrier	*77.8*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:49*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.880**		0.476	0.481	5.00	0.684	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-28

Date Collected: 02/18/26 16:35
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-20

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0517	U	0.0920	0.0921	1.00	0.162	pCi/L	02/27/26 06:58	03/24/26 14:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.9*		*30 - 110*	*02/27/26 06:58*	*03/24/26 14:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.925**		0.523	0.530	1.00	0.746	pCi/L	02/27/26 07:01	03/18/26 09:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.9*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:50*	*1*
Y Carrier	*75.9*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.977**		0.531	0.538	5.00	0.746	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-36

Date Collected: 02/18/26 09:35
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-21

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.110	U	0.0874	0.0880	1.00	0.126	pCi/L	02/27/26 06:58	03/24/26 14:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.3*		*30 - 110*	*02/27/26 06:58*	*03/24/26 14:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.491	U	0.566	0.568	1.00	0.930	pCi/L	02/27/26 07:01	03/18/26 12:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.3*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:49*	*1*
Y Carrier	*82.2*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:49*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.601	U	0.573	0.575	5.00	0.930	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-37

Date Collected: 02/18/26 11:20
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-22

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0440	U	0.0698	0.0699	1.00	0.122	pCi/L	02/27/26 06:58	03/24/26 14:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.9*		*30 - 110*	*02/27/26 06:58*	*03/24/26 14:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.981**		0.470	0.479	1.00	0.638	pCi/L	02/27/26 07:01	03/18/26 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.9*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:51*	*1*
Y Carrier	*78.1*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.02**		0.475	0.484	5.00	0.638	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-38

Date Collected: 02/18/26 12:00
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-23
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.249	U	0.309	0.310	1.00	0.511	pCi/L	02/27/26 06:58	03/24/26 15:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*31.1*		*30 - 110*	*02/27/26 06:58*	*03/24/26 15:16*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.479	U G	1.11	1.11	1.00	1.96	pCi/L	02/27/26 07:01	03/18/26 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*31.1*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:51*	*1*
Y Carrier	*77.0*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.728	U	1.15	1.15	5.00	1.96	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-13

Date Collected: 02/18/26 13:10
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-24
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.366**		0.154	0.157	1.00	0.171	pCi/L	02/27/26 06:58	03/24/26 15:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*62.0*		*30 - 110*	*02/27/26 06:58*	*03/24/26 15:16*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.605	U	0.497	0.501	1.00	0.772	pCi/L	02/27/26 07:01	03/18/26 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*62.0*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:51*	*1*
Y Carrier	*77.4*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.970**		0.520	0.525	5.00	0.772	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-12

Date Collected: 02/18/26 15:20
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-25
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00807	U	0.0860	0.0860	1.00	0.166	pCi/L	02/27/26 06:58	03/24/26 15:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.4*		*30 - 110*	*02/27/26 06:58*	*03/24/26 15:16*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.496	U	0.350	0.353	1.00	0.525	pCi/L	02/27/26 07:01	03/18/26 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.4*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:51*	*1*
Y Carrier	*80.4*		*30 - 110*	*02/27/26 07:01*	*03/18/26 09:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.504	U	0.360	0.363	5.00	0.525	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-03

Date Collected: 02/19/26 09:36
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-26
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.256**		0.147	0.149	1.00	0.191	pCi/L	02/27/26 06:58	03/24/26 15:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.4*		*30 - 110*	*02/27/26 06:58*	*03/24/26 15:16*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.644	U G	0.812	0.815	1.00	1.35	pCi/L	02/27/26 07:01	03/18/26 12:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.4*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:49*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:49*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.899	U	0.825	0.829	5.00	1.35	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-04

Lab Sample ID: 810-181760-27

Date Collected: 02/19/26 10:38

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.119	U	0.0909	0.0915	1.00	0.128	pCi/L	02/27/26 06:58	03/24/26 15:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.3*		*30 - 110*	*02/27/26 06:58*	*03/24/26 15:16*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.614	U	0.442	0.446	1.00	0.674	pCi/L	02/27/26 07:01	03/18/26 10:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.3*		*30 - 110*	*02/27/26 07:01*	*03/18/26 10:02*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/27/26 07:01*	*03/18/26 10:02*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.734**		0.451	0.455	5.00	0.674	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-04R

Lab Sample ID: 810-181760-28

Date Collected: 02/19/26 11:50

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.807**		0.241	0.252	1.00	0.236	pCi/L	02/27/26 06:58	03/24/26 15:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.6*		*30 - 110*	*02/27/26 06:58*	*03/24/26 15:16*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.364	U G	0.914	0.915	1.00	1.59	pCi/L	02/27/26 07:01	03/18/26 12:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.6*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:48*	*1*
Y Carrier	*82.2*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.17	U	0.945	0.949	5.00	1.59	pCi/L		03/25/26 15:01	1

Client Sample ID: MW-01RB

Lab Sample ID: 810-181760-29

Date Collected: 02/19/26 14:08

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.763		0.215	0.226	1.00	0.185	pCi/L	02/27/26 06:58	03/24/26 15:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.6*		*30 - 110*	*02/27/26 06:58*	*03/24/26 15:16*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0475	U G	0.836	0.836	1.00	1.52	pCi/L	02/27/26 07:01	03/18/26 12:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.6*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:48*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/27/26 07:01*	*03/18/26 12:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.811	U	0.863	0.866	5.00	1.52	pCi/L		03/26/26 13:42	1

Client Sample ID: MW-01R

Lab Sample ID: 810-181760-30

Date Collected: 02/19/26 15:40

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0553	U	0.109	0.109	1.00	0.196	pCi/L	02/27/26 07:02	03/23/26 20:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.0*		*30 - 110*	*02/27/26 07:02*	*03/23/26 20:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.402	U	0.579	0.580	1.00	0.973	pCi/L	02/27/26 07:06	03/19/26 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.0*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:53*	*1*
Y Carrier	*85.6*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:53*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.458	U	0.589	0.590	5.00	0.973	pCi/L		03/26/26 13:42	1

Client Sample ID: MW-16

Lab Sample ID: 810-181760-31

Date Collected: 02/19/26 17:16

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.197		0.110	0.111	1.00	0.132	pCi/L	02/27/26 07:02	03/23/26 20:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.0*		*30 - 110*	*02/27/26 07:02*	*03/23/26 20:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.409	U	0.389	0.391	1.00	0.621	pCi/L	02/27/26 07:06	03/19/26 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.0*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:53*	*1*
Y Carrier	*87.5*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:53*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.606	U	0.404	0.406	5.00	0.621	pCi/L		03/26/26 13:42	1

Client Sample ID: SG-07

Lab Sample ID: 810-181760-32

Date Collected: 02/19/26 17:30

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.158		0.0975	0.0985	1.00	0.127	pCi/L	02/27/26 07:02	03/24/26 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*02/27/26 07:02*	*03/24/26 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.157	U	0.332	0.332	1.00	0.578	pCi/L	02/27/26 07:06	03/19/26 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:57*	*1*
Y Carrier	*85.6*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:57*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.315	U	0.346	0.346	5.00	0.578	pCi/L		03/26/26 13:42	1

Client Sample ID: MW-07

Lab Sample ID: 810-181760-33

Date Collected: 02/19/26 10:10

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.484		0.167	0.173	1.00	0.149	pCi/L	02/27/26 07:02	03/24/26 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.0*		*30 - 110*	*02/27/26 07:02*	*03/24/26 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.30		0.597	0.609	1.00	0.821	pCi/L	02/27/26 07:06	03/19/26 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.0*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:57*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:57*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.78		0.620	0.633	5.00	0.821	pCi/L		03/26/26 13:42	1

Client Sample ID: MW-43

Lab Sample ID: 810-181760-34

Date Collected: 02/19/26 12:15

Matrix: Water

Date Received: 02/24/26 09:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0961	U	0.108	0.109	1.00	0.176	pCi/L	02/27/26 07:02	03/24/26 07:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*02/27/26 07:02*	*03/24/26 07:56*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.833		0.490	0.496	1.00	0.725	pCi/L	02/27/26 07:06	03/19/26 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:57*	*1*
Y Carrier	*83.0*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:57*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.929		0.502	0.508	5.00	0.725	pCi/L		03/26/26 13:42	1

Client Sample ID: MW-20

Date Collected: 02/19/26 13:20
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-35

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.151		0.107	0.108	1.00	0.151	pCi/L	02/27/26 07:02	03/24/26 07:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*02/27/26 07:02*	*03/24/26 07:56*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.500	U	0.397	0.399	1.00	0.612	pCi/L	02/27/26 07:06	03/19/26 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:57*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:57*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.652		0.411	0.413	5.00	0.612	pCi/L		03/26/26 13:42	1

Client Sample ID: MW-18

Date Collected: 02/19/26 14:40
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-36

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0112	U	0.0932	0.0932	1.00	0.188	pCi/L	02/27/26 07:02	03/24/26 07:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.7*		*30 - 110*	*02/27/26 07:02*	*03/24/26 07:56*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.205	U	0.287	0.287	1.00	0.603	pCi/L	02/27/26 07:06	03/19/26 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.7*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:58*	*1*
Y Carrier	*86.4*		*30 - 110*	*02/27/26 07:06*	*03/19/26 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.000	U	0.302	0.302	5.00	0.603	pCi/L		03/26/26 13:42	1

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Client Sample ID: MW-39

Date Collected: 02/19/26 16:20
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-37

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0428	U	0.0762	0.0763	1.00	0.181	pCi/L	02/27/26 07:02	03/24/26 07:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.0*		*30 - 110*	*02/27/26 07:02*	*03/24/26 07:56*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0930	U	0.399	0.400	1.00	0.726	pCi/L	02/27/26 07:06	03/19/26 12:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.0*		*30 - 110*	*02/27/26 07:06*	*03/19/26 12:00*	*1*
Y Carrier	*84.5*		*30 - 110*	*02/27/26 07:06*	*03/19/26 12:00*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0930	U	0.406	0.407	5.00	0.726	pCi/L		03/26/26 13:42	1

Tracer/Carrier Summary

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
810-181760-1	MW-34	81.4
810-181760-2	MW-33	75.7
810-181760-3	MW-27	71.1
810-181760-4	MW-11	79.7
810-181760-5	MWT-11	86.0
810-181760-6	MWT-33	80.0
810-181760-7	MW-06	86.0
810-181760-8	MW-41	78.9
810-181760-9	MW-10	79.4
810-181760-10	MWT-10	87.1
810-181760-11	MW-09	69.4
810-181760-12	MW-02	66.3
810-181760-13	MW-30	70.0
810-181760-14	MW-31	78.6
810-181760-15	MW-32	87.7
810-181760-15 DU	MW-32	75.7
810-181760-16	MW-08	70.6
810-181760-17	MW-42	77.7
810-181760-18	MW-17	80.0
810-181760-19	MW-19	73.4
810-181760-20	MW-28	66.9
810-181760-21	MW-36	78.3
810-181760-22	MW-37	74.9
810-181760-23	MW-38	31.1
810-181760-24	MW-13	62.0
810-181760-25	MW-12	83.4
810-181760-26	MW-03	77.4
810-181760-27	MW-04	76.3
810-181760-28	MW-04R	76.6
810-181760-29	MW-01RB	74.6
810-181760-30	MW-01R	76.0
810-181760-31	MW-16	80.0
810-181760-31 DU	MW-16	86.9
810-181760-32	SG-07	86.3
810-181760-33	MW-07	66.0
810-181760-34	MW-43	82.3
810-181760-35	MW-20	80.3
810-181760-36	MW-18	79.7
810-181760-37	MW-39	66.0
LCS 160-759117/2-A	Lab Control Sample	83.4
LCS 160-759119/2-A	Lab Control Sample	83.1
LCS 160-759123/2-A	Lab Control Sample	82.0
MB 160-759117/1-A	Method Blank	80.3
MB 160-759119/1-A	Method Blank	81.4
MB 160-759123/1-A	Method Blank	82.0

Tracer/Carrier Legend

Ba = Ba Carrier

Tracer/Carrier Summary

Client: Trace Analytical Laboratories
Job ID: 810-181760-1
Project/Site: 26B0744

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water
Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
810-181760-1	MW-34	81.4	80.0
810-181760-2	MW-33	75.7	79.6
810-181760-3	MW-27	71.1	79.3
810-181760-4	MW-11	79.7	81.5
810-181760-5	MWT-11	86.0	84.1
810-181760-6	MWT-33	80.0	83.0
810-181760-7	MW-06	86.0	84.1
810-181760-8	MW-41	78.9	79.6
810-181760-9	MW-10	79.4	83.4
810-181760-10	MWT-10	87.1	81.1
810-181760-11	MW-09	69.4	80.0
810-181760-12	MW-02	66.3	77.8
810-181760-13	MW-30	70.0	76.3
810-181760-14	MW-31	78.6	78.1
810-181760-15	MW-32	87.7	77.4
810-181760-15 DU	MW-32	75.7	77.8
810-181760-16	MW-08	70.6	77.4
810-181760-17	MW-42	77.7	74.8
810-181760-18	MW-17	80.0	77.0
810-181760-19	MW-19	73.4	77.8
810-181760-20	MW-28	66.9	75.9
810-181760-21	MW-36	78.3	82.2
810-181760-22	MW-37	74.9	78.1
810-181760-23	MW-38	31.1	77.0
810-181760-24	MW-13	62.0	77.4
810-181760-25	MW-12	83.4	80.4
810-181760-26	MW-03	77.4	78.9
810-181760-27	MW-04	76.3	78.9
810-181760-28	MW-04R	76.6	82.2
810-181760-29	MW-01RB	74.6	83.4
810-181760-30	MW-01R	76.0	85.6
810-181760-31	MW-16	80.0	87.5
810-181760-31 DU	MW-16	86.9	85.6
810-181760-32	SG-07	86.3	85.6
810-181760-33	MW-07	66.0	83.4
810-181760-34	MW-43	82.3	83.0
810-181760-35	MW-20	80.3	83.4
810-181760-36	MW-18	79.7	86.4
810-181760-37	MW-39	66.0	84.5
LCS 160-759118/2-A	Lab Control Sample	83.4	83.0
LCS 160-759120/2-A	Lab Control Sample	83.1	78.9
LCS 160-759125/2-A	Lab Control Sample	82.0	81.5
MB 160-759118/1-A	Method Blank	80.3	84.1
MB 160-759120/1-A	Method Blank	81.4	80.4
MB 160-759125/1-A	Method Blank	82.0	78.9

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-759117/1-A
Matrix: Water
Analysis Batch: 762563

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 759117

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.02088	U	0.0583	0.0584	1.00	0.132	pCi/L	02/27/26 06:47	03/23/26 20:44	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*02/27/26 06:47*	*03/23/26 20:44*	*1*

Lab Sample ID: LCS 160-759117/2-A
Matrix: Water
Analysis Batch: 762563

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 759117

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	10.03		1.08	1.00	0.136	pCi/L	105	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*83.4*		*30 - 110*

Lab Sample ID: MB 160-759119/1-A
Matrix: Water
Analysis Batch: 762761

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 759119

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.007194	U	0.0536	0.0536	1.00	0.119	pCi/L	02/27/26 06:58	03/24/26 09:55	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.4*		*30 - 110*	*02/27/26 06:58*	*03/24/26 09:55*	*1*

Lab Sample ID: LCS 160-759119/2-A
Matrix: Water
Analysis Batch: 762761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 759119

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	9.260		1.02	1.00	0.137	pCi/L	97	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*83.1*		*30 - 110*

Lab Sample ID: 810-181760-15 DU
Matrix: Water
Analysis Batch: 762761

Client Sample ID: MW-32
Prep Type: Total/NA
Prep Batch: 759119

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0897	U		0.06468	U	0.0762	1.00	0.123	pCi/L			0.16	1

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 810-181760-15 DU
Matrix: Water
Analysis Batch: 762761

Client Sample ID: MW-32
Prep Type: Total/NA
Prep Batch: 759119

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	75.7		30 - 110

Lab Sample ID: MB 160-759123/1-A
Matrix: Water
Analysis Batch: 762551

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 759123

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.03324	U	0.0664	0.0665	1.00	0.156	pCi/L	02/27/26 07:02	03/23/26 20:41	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	82.0		30 - 110	02/27/26 07:02	03/23/26 20:41	1

Lab Sample ID: LCS 160-759123/2-A
Matrix: Water
Analysis Batch: 762551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 759123

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.57	10.43		1.15	1.00	0.163	pCi/L	109	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	82.0		30 - 110

Lab Sample ID: 810-181760-31 DU
Matrix: Water
Analysis Batch: 762761

Client Sample ID: MW-16
Prep Type: Total/NA
Prep Batch: 759123

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.197			0.2244		0.117	1.00	0.142	pCi/L			0.12	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	86.9		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-759118/1-A
Matrix: Water
Analysis Batch: 761608

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 759118

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1405	U	0.434	0.434	1.00	0.765	pCi/L	02/27/26 06:54	03/16/26 12:20	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	80.3		30 - 110	02/27/26 06:54	03/16/26 12:20	1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-759118/1-A
Matrix: Water
Analysis Batch: 761608

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 759118

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	84.1		30 - 110	02/27/26 06:54	03/16/26 12:20	1

Lab Sample ID: LCS 160-759118/2-A
Matrix: Water
Analysis Batch: 761608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 759118

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.33	10.07		1.43	1.00	0.673	pCi/L	108	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	83.4		30 - 110
Y Carrier	83.0		30 - 110

Lab Sample ID: MB 160-759120/1-A
Matrix: Water
Analysis Batch: 761948

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 759120

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5725	U G	0.650	0.652	1.00	1.07	pCi/L	02/27/26 07:01	03/18/26 12:48	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	81.4		30 - 110	02/27/26 07:01	03/18/26 12:48	1
Y Carrier	80.4		30 - 110	02/27/26 07:01	03/18/26 12:48	1

Lab Sample ID: LCS 160-759120/2-A
Matrix: Water
Analysis Batch: 761948

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 759120

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.33	12.35		1.65	1.00	0.651	pCi/L	132	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	83.1		30 - 110
Y Carrier	78.9		30 - 110

Lab Sample ID: 810-181760-15 DU
Matrix: Water
Analysis Batch: 761948

Client Sample ID: MW-32
Prep Type: Total/NA
Prep Batch: 759120

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.793			0.3619	U	0.502	1.00	0.840	pCi/L			0.43	1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 810-181760-15 DU
Matrix: Water
Analysis Batch: 761948

Client Sample ID: MW-32
Prep Type: Total/NA
Prep Batch: 759120

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	75.7		30 - 110
Y Carrier	77.8		30 - 110

Lab Sample ID: MB 160-759125/1-A
Matrix: Water
Analysis Batch: 762034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 759125

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2795	U	0.344	0.345	1.00	0.713	pCi/L	02/27/26 07:06	03/19/26 11:53	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	82.0		30 - 110	02/27/26 07:06	03/19/26 11:53	1
Y Carrier	78.9		30 - 110	02/27/26 07:06	03/19/26 11:53	1

Lab Sample ID: LCS 160-759125/2-A
Matrix: Water
Analysis Batch: 762034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 759125

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.32	9.421		1.36	1.00	0.665	pCi/L	101	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	82.0		30 - 110
Y Carrier	81.5		30 - 110

Lab Sample ID: 810-181760-31 DU
Matrix: Water
Analysis Batch: 762034

Client Sample ID: MW-16
Prep Type: Total/NA
Prep Batch: 759125

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.409	U		0.8667		0.420	1.00	0.564	pCi/L			0.56	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	86.9		30 - 110
Y Carrier	85.6		30 - 110

Rad

Prep Batch: 759117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-181760-1	MW-34	Total/NA	Water	PrecSep-21	
810-181760-2	MW-33	Total/NA	Water	PrecSep-21	
810-181760-3	MW-27	Total/NA	Water	PrecSep-21	
810-181760-4	MW-11	Total/NA	Water	PrecSep-21	
810-181760-5	MWT-11	Total/NA	Water	PrecSep-21	
810-181760-6	MWT-33	Total/NA	Water	PrecSep-21	
810-181760-7	MW-06	Total/NA	Water	PrecSep-21	
810-181760-8	MW-41	Total/NA	Water	PrecSep-21	
810-181760-9	MW-10	Total/NA	Water	PrecSep-21	
MB 160-759117/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-759117/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 759118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-181760-1	MW-34	Total/NA	Water	PrecSep_0	
810-181760-2	MW-33	Total/NA	Water	PrecSep_0	
810-181760-3	MW-27	Total/NA	Water	PrecSep_0	
810-181760-4	MW-11	Total/NA	Water	PrecSep_0	
810-181760-5	MWT-11	Total/NA	Water	PrecSep_0	
810-181760-6	MWT-33	Total/NA	Water	PrecSep_0	
810-181760-7	MW-06	Total/NA	Water	PrecSep_0	
810-181760-8	MW-41	Total/NA	Water	PrecSep_0	
810-181760-9	MW-10	Total/NA	Water	PrecSep_0	
MB 160-759118/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-759118/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 759119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-181760-10	MWT-10	Total/NA	Water	PrecSep-21	
810-181760-11	MW-09	Total/NA	Water	PrecSep-21	
810-181760-12	MW-02	Total/NA	Water	PrecSep-21	
810-181760-13	MW-30	Total/NA	Water	PrecSep-21	
810-181760-14	MW-31	Total/NA	Water	PrecSep-21	
810-181760-15	MW-32	Total/NA	Water	PrecSep-21	
810-181760-16	MW-08	Total/NA	Water	PrecSep-21	
810-181760-17	MW-42	Total/NA	Water	PrecSep-21	
810-181760-18	MW-17	Total/NA	Water	PrecSep-21	
810-181760-19	MW-19	Total/NA	Water	PrecSep-21	
810-181760-20	MW-28	Total/NA	Water	PrecSep-21	
810-181760-21	MW-36	Total/NA	Water	PrecSep-21	
810-181760-22	MW-37	Total/NA	Water	PrecSep-21	
810-181760-23	MW-38	Total/NA	Water	PrecSep-21	
810-181760-24	MW-13	Total/NA	Water	PrecSep-21	
810-181760-25	MW-12	Total/NA	Water	PrecSep-21	
810-181760-26	MW-03	Total/NA	Water	PrecSep-21	
810-181760-27	MW-04	Total/NA	Water	PrecSep-21	
810-181760-28	MW-04R	Total/NA	Water	PrecSep-21	
810-181760-29	MW-01RB	Total/NA	Water	PrecSep-21	
MB 160-759119/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-759119/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
810-181760-15 DU	MW-32	Total/NA	Water	PrecSep-21	

Rad

Prep Batch: 759120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-181760-10	MWT-10	Total/NA	Water	PrecSep_0	
810-181760-11	MW-09	Total/NA	Water	PrecSep_0	
810-181760-12	MW-02	Total/NA	Water	PrecSep_0	
810-181760-13	MW-30	Total/NA	Water	PrecSep_0	
810-181760-14	MW-31	Total/NA	Water	PrecSep_0	
810-181760-15	MW-32	Total/NA	Water	PrecSep_0	
810-181760-16	MW-08	Total/NA	Water	PrecSep_0	
810-181760-17	MW-42	Total/NA	Water	PrecSep_0	
810-181760-18	MW-17	Total/NA	Water	PrecSep_0	
810-181760-19	MW-19	Total/NA	Water	PrecSep_0	
810-181760-20	MW-28	Total/NA	Water	PrecSep_0	
810-181760-21	MW-36	Total/NA	Water	PrecSep_0	
810-181760-22	MW-37	Total/NA	Water	PrecSep_0	
810-181760-23	MW-38	Total/NA	Water	PrecSep_0	
810-181760-24	MW-13	Total/NA	Water	PrecSep_0	
810-181760-25	MW-12	Total/NA	Water	PrecSep_0	
810-181760-26	MW-03	Total/NA	Water	PrecSep_0	
810-181760-27	MW-04	Total/NA	Water	PrecSep_0	
810-181760-28	MW-04R	Total/NA	Water	PrecSep_0	
810-181760-29	MW-01RB	Total/NA	Water	PrecSep_0	
MB 160-759120/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-759120/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
810-181760-15 DU	MW-32	Total/NA	Water	PrecSep_0	

Prep Batch: 759123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-181760-30	MW-01R	Total/NA	Water	PrecSep-21	
810-181760-31	MW-16	Total/NA	Water	PrecSep-21	
810-181760-32	SG-07	Total/NA	Water	PrecSep-21	
810-181760-33	MW-07	Total/NA	Water	PrecSep-21	
810-181760-34	MW-43	Total/NA	Water	PrecSep-21	
810-181760-35	MW-20	Total/NA	Water	PrecSep-21	
810-181760-36	MW-18	Total/NA	Water	PrecSep-21	
810-181760-37	MW-39	Total/NA	Water	PrecSep-21	
MB 160-759123/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-759123/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
810-181760-31 DU	MW-16	Total/NA	Water	PrecSep-21	

Prep Batch: 759125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-181760-30	MW-01R	Total/NA	Water	PrecSep_0	
810-181760-31	MW-16	Total/NA	Water	PrecSep_0	
810-181760-32	SG-07	Total/NA	Water	PrecSep_0	
810-181760-33	MW-07	Total/NA	Water	PrecSep_0	
810-181760-34	MW-43	Total/NA	Water	PrecSep_0	
810-181760-35	MW-20	Total/NA	Water	PrecSep_0	
810-181760-36	MW-18	Total/NA	Water	PrecSep_0	
810-181760-37	MW-39	Total/NA	Water	PrecSep_0	
MB 160-759125/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-759125/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
810-181760-31 DU	MW-16	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Client Sample ID: MW-34
Date Collected: 02/17/26 09:10
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759117	AMS	EET SL	02/27/26 06:47
Total/NA	Analysis	903.0		1	762563	SWS	EET SL	03/23/26 20:46
Total/NA	Prep	PrecSep_0			759118	AMS	EET SL	02/27/26 06:54
Total/NA	Analysis	904.0		1	761609	SWS	EET SL	03/16/26 12:25
Total/NA	Analysis	Ra226_Ra228 Pos		1	762808	FLC	EET SL	03/24/26 10:33

Client Sample ID: MW-33
Date Collected: 02/17/26 10:30
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759117	AMS	EET SL	02/27/26 06:47
Total/NA	Analysis	903.0		1	762563	SWS	EET SL	03/23/26 20:46
Total/NA	Prep	PrecSep_0			759118	AMS	EET SL	02/27/26 06:54
Total/NA	Analysis	904.0		1	761609	SWS	EET SL	03/16/26 12:25
Total/NA	Analysis	Ra226_Ra228 Pos		1	762808	FLC	EET SL	03/24/26 10:33

Client Sample ID: MW-27
Date Collected: 02/17/26 12:10
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759117	AMS	EET SL	02/27/26 06:47
Total/NA	Analysis	903.0		1	762551	SWS	EET SL	03/23/26 20:38
Total/NA	Prep	PrecSep_0			759118	AMS	EET SL	02/27/26 06:54
Total/NA	Analysis	904.0		1	761609	SWS	EET SL	03/16/26 12:25
Total/NA	Analysis	Ra226_Ra228 Pos		1	762808	FLC	EET SL	03/24/26 10:33

Client Sample ID: MW-11
Date Collected: 02/17/26 19:10
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759117	AMS	EET SL	02/27/26 06:47
Total/NA	Analysis	903.0		1	762551	SWS	EET SL	03/23/26 20:38
Total/NA	Prep	PrecSep_0			759118	AMS	EET SL	02/27/26 06:54
Total/NA	Analysis	904.0		1	761609	SWS	EET SL	03/16/26 12:25
Total/NA	Analysis	Ra226_Ra228 Pos		1	762808	FLC	EET SL	03/24/26 10:33

Lab Chronicle

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Client Sample ID: MWT-11
Date Collected: 02/17/26 19:10
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759117	AMS	EET SL	02/27/26 06:47
Total/NA	Analysis	903.0		1	762551	SWS	EET SL	03/23/26 20:38
Total/NA	Prep	PrecSep_0			759118	AMS	EET SL	02/27/26 06:54
Total/NA	Analysis	904.0		1	761609	SWS	EET SL	03/16/26 12:27
Total/NA	Analysis	Ra226_Ra228 Pos		1	762808	FLC	EET SL	03/24/26 10:33

Client Sample ID: MWT-33
Date Collected: 02/17/26 10:30
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759117	AMS	EET SL	02/27/26 06:47
Total/NA	Analysis	903.0		1	762551	SWS	EET SL	03/23/26 20:39
Total/NA	Prep	PrecSep_0			759118	AMS	EET SL	02/27/26 06:54
Total/NA	Analysis	904.0		1	761609	SWS	EET SL	03/16/26 12:27
Total/NA	Analysis	Ra226_Ra228 Pos		1	762808	FLC	EET SL	03/24/26 10:33

Client Sample ID: MW-06
Date Collected: 02/17/26 15:55
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759117	AMS	EET SL	02/27/26 06:47
Total/NA	Analysis	903.0		1	762551	SWS	EET SL	03/23/26 20:39
Total/NA	Prep	PrecSep_0			759118	AMS	EET SL	02/27/26 06:54
Total/NA	Analysis	904.0		1	761609	SWS	EET SL	03/16/26 12:27
Total/NA	Analysis	Ra226_Ra228 Pos		1	762808	FLC	EET SL	03/24/26 10:33

Client Sample ID: MW-41
Date Collected: 02/17/26 15:35
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759117	AMS	EET SL	02/27/26 06:47
Total/NA	Analysis	903.0		1	762551	SWS	EET SL	03/23/26 20:39
Total/NA	Prep	PrecSep_0			759118	AMS	EET SL	02/27/26 06:54
Total/NA	Analysis	904.0		1	761609	SWS	EET SL	03/16/26 12:27
Total/NA	Analysis	Ra226_Ra228 Pos		1	762808	FLC	EET SL	03/24/26 10:33

Lab Chronicle

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Client Sample ID: MW-10
Date Collected: 02/17/26 14:15
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759117	AMS	EET SL	02/27/26 06:47
Total/NA	Analysis	903.0		1	762551	SWS	EET SL	03/23/26 20:40
Total/NA	Prep	PrecSep_0			759118	AMS	EET SL	02/27/26 06:54
Total/NA	Analysis	904.0		1	761609	SWS	EET SL	03/16/26 12:27
Total/NA	Analysis	Ra226_Ra228 Pos		1	762808	FLC	EET SL	03/24/26 10:33

Client Sample ID: MWT-10
Date Collected: 02/17/26 14:35
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762761	SWS	EET SL	03/24/26 09:55
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761948	SWS	EET SL	03/18/26 09:47
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-09
Date Collected: 02/17/26 12:25
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762761	SWS	EET SL	03/24/26 09:55
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761948	SWS	EET SL	03/18/26 12:48
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-02
Date Collected: 02/17/26 10:35
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762823	SWS	EET SL	03/24/26 12:35
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761948	SWS	EET SL	03/18/26 12:48
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Lab Chronicle

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Client Sample ID: MW-30
Date Collected: 02/16/26 15:55
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762823	SWS	EET SL	03/24/26 12:35
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761948	SWS	EET SL	03/18/26 09:47
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-31
Date Collected: 02/16/26 16:40
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762761	SWS	EET SL	03/24/26 14:40
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761948	SWS	EET SL	03/18/26 12:48
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-32
Date Collected: 02/16/26 13:55
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762761	SWS	EET SL	03/24/26 14:41
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761948	SWS	EET SL	03/18/26 09:46
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-08
Date Collected: 02/18/26 10:20
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762761	SWS	EET SL	03/24/26 14:41
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761948	SWS	EET SL	03/18/26 09:47
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Lab Chronicle

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Client Sample ID: MW-42
Date Collected: 02/18/26 11:55
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762761	SWS	EET SL	03/24/26 14:41
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761948	SWS	EET SL	03/18/26 09:48
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-17
Date Collected: 02/18/26 14:10
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762761	SWS	EET SL	03/24/26 14:44
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761948	SWS	EET SL	03/18/26 12:48
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-19
Date Collected: 02/18/26 15:25
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762761	SWS	EET SL	03/24/26 14:44
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761949	SWS	EET SL	03/18/26 09:49
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-28
Date Collected: 02/18/26 16:35
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762761	SWS	EET SL	03/24/26 14:44
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761949	SWS	EET SL	03/18/26 09:50
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Lab Chronicle

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Client Sample ID: MW-36
Date Collected: 02/18/26 09:35
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762761	SWS	EET SL	03/24/26 14:44
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761948	SWS	EET SL	03/18/26 12:49
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-37
Date Collected: 02/18/26 11:20
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762761	SWS	EET SL	03/24/26 14:44
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761949	SWS	EET SL	03/18/26 09:51
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-38
Date Collected: 02/18/26 12:00
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762823	SWS	EET SL	03/24/26 15:16
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761949	SWS	EET SL	03/18/26 09:51
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-13
Date Collected: 02/18/26 13:10
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762823	SWS	EET SL	03/24/26 15:16
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761949	SWS	EET SL	03/18/26 09:51
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Lab Chronicle

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Client Sample ID: MW-12
Date Collected: 02/18/26 15:20
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762823	SWS	EET SL	03/24/26 15:16
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761949	SWS	EET SL	03/18/26 09:51
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-03
Date Collected: 02/19/26 09:36
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762823	SWS	EET SL	03/24/26 15:16
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761948	SWS	EET SL	03/18/26 12:49
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-04
Date Collected: 02/19/26 10:38
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762823	SWS	EET SL	03/24/26 15:16
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761973	SWS	EET SL	03/18/26 10:02
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Client Sample ID: MW-04R
Date Collected: 02/19/26 11:50
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-28
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762823	SWS	EET SL	03/24/26 15:16
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761948	SWS	EET SL	03/18/26 12:48
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/25/26 15:01

Lab Chronicle

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Client Sample ID: MW-01RB
Date Collected: 02/19/26 14:08
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759119	AMS	EET SL	02/27/26 06:58
Total/NA	Analysis	903.0		1	762823	SWS	EET SL	03/24/26 15:16
Total/NA	Prep	PrecSep_0			759120	AMS	EET SL	02/27/26 07:01
Total/NA	Analysis	904.0		1	761948	SWS	EET SL	03/18/26 12:48
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/26/26 13:42

Client Sample ID: MW-01R
Date Collected: 02/19/26 15:40
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759123	AMS	EET SL	02/27/26 07:02
Total/NA	Analysis	903.0		1	762551	SWS	EET SL	03/23/26 20:41
Total/NA	Prep	PrecSep_0			759125	AMS	EET SL	02/27/26 07:06
Total/NA	Analysis	904.0		1	762034	SWS	EET SL	03/19/26 11:53
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/26/26 13:42

Client Sample ID: MW-16
Date Collected: 02/19/26 17:16
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-31
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759123	AMS	EET SL	02/27/26 07:02
Total/NA	Analysis	903.0		1	762551	SWS	EET SL	03/23/26 20:41
Total/NA	Prep	PrecSep_0			759125	AMS	EET SL	02/27/26 07:06
Total/NA	Analysis	904.0		1	762034	SWS	EET SL	03/19/26 11:53
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/26/26 13:42

Client Sample ID: SG-07
Date Collected: 02/19/26 17:30
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-32
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759123	AMS	EET SL	02/27/26 07:02
Total/NA	Analysis	903.0		1	762761	SWS	EET SL	03/24/26 07:43
Total/NA	Prep	PrecSep_0			759125	AMS	EET SL	02/27/26 07:06
Total/NA	Analysis	904.0		1	762034	SWS	EET SL	03/19/26 11:57
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/26/26 13:42

Lab Chronicle

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Client Sample ID: MW-07
Date Collected: 02/19/26 10:10
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-33
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759123	AMS	EET SL	02/27/26 07:02
Total/NA	Analysis	903.0		1	762761	SWS	EET SL	03/24/26 07:43
Total/NA	Prep	PrecSep_0			759125	AMS	EET SL	02/27/26 07:06
Total/NA	Analysis	904.0		1	762034	SWS	EET SL	03/19/26 11:57
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/26/26 13:42

Client Sample ID: MW-43
Date Collected: 02/19/26 12:15
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-34
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759123	AMS	EET SL	02/27/26 07:02
Total/NA	Analysis	903.0		1	762823	SWS	EET SL	03/24/26 07:56
Total/NA	Prep	PrecSep_0			759125	AMS	EET SL	02/27/26 07:06
Total/NA	Analysis	904.0		1	762034	SWS	EET SL	03/19/26 11:57
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/26/26 13:42

Client Sample ID: MW-20
Date Collected: 02/19/26 13:20
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-35
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759123	AMS	EET SL	02/27/26 07:02
Total/NA	Analysis	903.0		1	762823	SWS	EET SL	03/24/26 07:56
Total/NA	Prep	PrecSep_0			759125	AMS	EET SL	02/27/26 07:06
Total/NA	Analysis	904.0		1	762034	SWS	EET SL	03/19/26 11:57
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/26/26 13:42

Client Sample ID: MW-18
Date Collected: 02/19/26 14:40
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-36
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759123	AMS	EET SL	02/27/26 07:02
Total/NA	Analysis	903.0		1	762823	SWS	EET SL	03/24/26 07:56
Total/NA	Prep	PrecSep_0			759125	AMS	EET SL	02/27/26 07:06
Total/NA	Analysis	904.0		1	762034	SWS	EET SL	03/19/26 11:58
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/26/26 13:42

Lab Chronicle

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Client Sample ID: MW-39

Date Collected: 02/19/26 16:20
Date Received: 02/24/26 09:30

Lab Sample ID: 810-181760-37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759123	AMS	EET SL	02/27/26 07:02
Total/NA	Analysis	903.0		1	762823	SWS	EET SL	03/24/26 07:56
Total/NA	Prep	PrecSep_0			759125	AMS	EET SL	02/27/26 07:06
Total/NA	Analysis	904.0		1	762034	SWS	EET SL	03/19/26 12:00
Total/NA	Analysis	Ra226_Ra228 Pos		1	762849	FLC	EET SL	03/26/26 13:42

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Trace Analytical Laboratories
Job ID: 810-181760-1
Project/Site: 26B0744

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-26
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
Georgia (DW)	State	C061	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-26
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-26
Kentucky (DW)	State	KY90125	12-31-26
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-26
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-26
Maine	State	MO00054	03-05-28
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Hampshire	NELAP	2100	02-04-27
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	04-01-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-26
Oklahoma	NELAP	9997	12-31-26
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-27
Rhode Island	State	LAO00392	12-30-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Vermont	State	VT 87689	03-20-27
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	10-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Trace Analytical Laboratories
Project/Site: 26B0744

Job ID: 810-181760-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
810-181760-1	MW-34	Water	02/17/26 09:10	02/24/26 09:30	Michigan
810-181760-2	MW-33	Water	02/17/26 10:30	02/24/26 09:30	Michigan
810-181760-3	MW-27	Water	02/17/26 12:10	02/24/26 09:30	Michigan
810-181760-4	MW-11	Water	02/17/26 19:10	02/24/26 09:30	Michigan
810-181760-5	MWT-11	Water	02/17/26 19:10	02/24/26 09:30	Michigan
810-181760-6	MWT-33	Water	02/17/26 10:30	02/24/26 09:30	Michigan
810-181760-7	MW-06	Water	02/17/26 15:55	02/24/26 09:30	Michigan
810-181760-8	MW-41	Water	02/17/26 15:35	02/24/26 09:30	Michigan
810-181760-9	MW-10	Water	02/17/26 14:15	02/24/26 09:30	Michigan
810-181760-10	MWT-10	Water	02/17/26 14:35	02/24/26 09:30	Michigan
810-181760-11	MW-09	Water	02/17/26 12:25	02/24/26 09:30	Michigan
810-181760-12	MW-02	Water	02/17/26 10:35	02/24/26 09:30	Michigan
810-181760-13	MW-30	Water	02/16/26 15:55	02/24/26 09:30	Michigan
810-181760-14	MW-31	Water	02/16/26 16:40	02/24/26 09:30	Michigan
810-181760-15	MW-32	Water	02/16/26 13:55	02/24/26 09:30	Michigan
810-181760-16	MW-08	Water	02/18/26 10:20	02/24/26 09:30	Michigan
810-181760-17	MW-42	Water	02/18/26 11:55	02/24/26 09:30	Michigan
810-181760-18	MW-17	Water	02/18/26 14:10	02/24/26 09:30	Michigan
810-181760-19	MW-19	Water	02/18/26 15:25	02/24/26 09:30	Michigan
810-181760-20	MW-28	Water	02/18/26 16:35	02/24/26 09:30	Michigan
810-181760-21	MW-36	Water	02/18/26 09:35	02/24/26 09:30	Michigan
810-181760-22	MW-37	Water	02/18/26 11:20	02/24/26 09:30	Michigan
810-181760-23	MW-38	Water	02/18/26 12:00	02/24/26 09:30	Michigan
810-181760-24	MW-13	Water	02/18/26 13:10	02/24/26 09:30	Michigan
810-181760-25	MW-12	Water	02/18/26 15:20	02/24/26 09:30	Michigan
810-181760-26	MW-03	Water	02/19/26 09:36	02/24/26 09:30	Michigan
810-181760-27	MW-04	Water	02/19/26 10:38	02/24/26 09:30	Michigan
810-181760-28	MW-04R	Water	02/19/26 11:50	02/24/26 09:30	Michigan
810-181760-29	MW-01RB	Water	02/19/26 14:08	02/24/26 09:30	Michigan
810-181760-30	MW-01R	Water	02/19/26 15:40	02/24/26 09:30	Michigan
810-181760-31	MW-16	Water	02/19/26 17:16	02/24/26 09:30	Michigan
810-181760-32	SG-07	Water	02/19/26 17:30	02/24/26 09:30	Michigan
810-181760-33	MW-07	Water	02/19/26 10:10	02/24/26 09:30	Michigan
810-181760-34	MW-43	Water	02/19/26 12:15	02/24/26 09:30	Michigan
810-181760-35	MW-20	Water	02/19/26 13:20	02/24/26 09:30	Michigan
810-181760-36	MW-18	Water	02/19/26 14:40	02/24/26 09:30	Michigan
810-181760-37	MW-39	Water	02/19/26 16:20	02/24/26 09:30	Michigan

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810-181760 COC

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F: 1.574.233.8207

Order #

Batch # _____

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CHAIN OF CUSTODY RECORD

Page 1 of 9

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REPORT TO:

Jon Mink, Tim Brewer (jmink@trace-labs.com, tbrewer@trace-labs.com) Trace Analytical Laboratories, Inc., 2241 Black Creek Rd., Muskegon, MI 49444 231-773-5998

BILL TO:

Accounts Payable, Trace Analytical Laboratories, Inc., 2241 Black Creek Rd., Muskegon, MI 49444

SAMPLER (Signature)

PWS ID #

STATE (sample origin): MI

PROJECT NAME: 26B0744

PO#: 26B0744

COMPLIANCE MONITORING	Yes	No
	x	

POPULATION SERVED

SOURCE WATER

LAB Number	COLLECTION DATE	TIME	AM	PM	SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	02/17/26	9:10			MW-34	Radium 226/226				1	GW	SW
2	02/17/26	10:30			MW-33	Radium 226/226				1	GW	SW
3	02/17/26	12:10			MW-27	Radium 226/226				1	GW	SW
4	02/17/26	19:10			MW-11	Radium 226/226				1	GW	SW
5	02/17/26	19:10			MWT-11	Radium 226/226				1	GW	SW
6	02/17/26	10:30			MWT-33	Radium 226/226				1	GW	SW
7	02/17/26	15:55			MW-06	Radium 226/226				1	GW	SW
8	02/17/26	15:35			MW-41	Radium 226/226				1	GW	SW
9	02/17/26	14:15			MW-10	Radium 226/226				1	GW	SW
10	02/17/26	14:35			MWT-10	Radium 226/226				1	GW	SW
11	02/17/26	12:25			MW-09	Radium 226/226				1	GW	SW
12	02/17/26	10:35			MW-02	Radium 226/226				1	GW	SW
13	02/16/26	15:55			MW-30	Radium 226/226				1	GW	SW
14	02/16/26	16:40			MW-31	Radium 226/226				1	GW	SW

pH 2

AMBIENT

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
Michelle Johnson	2/18/26	AM PM	Fedex		AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
Fedex		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM		02-24-2026	0930 AM PM

LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT

LAB COMMENTS

Level IV Data Package for St. Louis EDD

CONDITIONS UPON RECEIPT (check one):

____ Iced: Wet/Blue ____ Ambient _____ °C Upon Receipt____ N/A

MATRIX CODES:

DW-DRINKING WATER
RW-REAGENT WATER
GW-GROUND WATER
EW-EXPOSURE WATER
SW-SURFACE WATER
PW-POOL WATER
WW-WASTE WATER

TURN-AROUND TIME (TAT) SURCHARGES

SW = Standard Written: (15 working days)	0%	IV* = Immediate Verbal: (3 working days)	100%
RV* = Rush Verbal: (5 working days)	50%	IW* = Immediate Written: (3 working days)	125%
RW* = Rush Written: (5 working days)	75%	SP* = Weekend, Holiday	CALL
		STAT* = Less than 48 hours	CALL

Samples received unannounced with less than 48 hours holding time remaining may be subject to additional charges.

* Please call, expedited service not available for all testing

4/10/2026 (Rev. 1)

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Order #

Batch # _____

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CHAIN OF CUSTODY RECORD

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REPORT TO:	SAMPLER (Signature)	PWS ID #	STATE (sample origin)	PROJECT NAME	PO#
on Mink, Tim Brewer (jmink@trace-labs.com, tbrewer@trace-labs.com) Trace nalytical Laboratories, Inc., 2241 Black Creek Rd., Muskegon, MI 49444 231-73-5998			MI	26B0744	26B0744
BILL TO: ccounts Payable, Trace Analytical Laboratories, Inc., 2241 Black Creek Rd., luskegon, MI 49444	COMPLIANCE MONITORING: Yes = x; No =	POPULATION SERVED	SOURCE WATER		

LAB Number	COLLECTION DATE	COLLECTION TIME	AM	PM	SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	02/16/26	13:55			MW-32 ph<2	Radium 226/226				1	GW	SW
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
Michelle Johnson	2/18/26	AM PM	Fedex		AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
Fedex		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM			AM PM

LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT

LAB COMMENTS

Level IV Data Package for St. Louis EDD

CONDITIONS UPON RECEIPT (check one):

____ Iced: Wet/Blue ____ Ambient _____ °C Upon Receipt____ N/A

MATRIX CODES:

DW-DRINKING WATER
RW-REAGENT WATER
GW-GROUND WATER
EW-EXPOSURE WATER
SW-SURFACE WATER
PW-POOL WATER
WW-WASTE WATER

TURN-AROUND TIME (TAT) - SURCHARGES

SW = Standard Written: (15 working days)	0%	**IV*** = Immediate Verbal: (3 working days)	100%
RV* = Rush Verbal: (5 working days)	50%	**IW*** =immediate Written: (3 working days)	125%
RW* = Rush Written: (5 working days)	75%	**SP*** = Weekend, Holiday	CALL
		STAT* = Less than 48 hours	CALL

*** Please call, expedited service not available for all testing**

Samples received unannounced with less than 48 hours holding time remaining may be subject to additional charges.

Sample analysis will be provided according to the standard EEA/Water Services Terms, which are available upon request. Any other terms proposed by Customer are deemed material alterations and are rejected unless expressly agreed to in writing by EEA.

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F: 1.574.233.8207

Order #

Batch # _____

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CHAIN OF CUSTODY RECORD

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REPORT TO:
Jon Mink, Tim Brewer (jmink@trace-labs.com, tbrewer@trace-labs.com) Trace Analytical Laboratories, Inc., 2241 Black Creek Rd., Muskegon, MI 49444 231-773-5998

BILL TO:
Accounts Payable, Trace Analytical Laboratories, Inc., 2241 Black Creek Rd., Muskegon, MI 49444

SAMPLER (Signature)

PWS ID #	STATE (sample origin)	PROJECT NAME	PO#
	MI	26B0744	26B0744

COMPLIANCE MONITORING	Yes	No	POPULATION SERVED	SOURCE WATER
	X			

LAB Number	COLLECTION DATE	COLLECTION TIME	AM	PM	SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	02/18/26	10:20			MW-08 pH<2	Radium 226/226				1	GW	SW
2	02/18/26	11:55			MW-42	Radium 226/226				1	GW	SW
3	02/18/26	14:10			MW-17	Radium 226/226				1	GW	SW
4	02/18/26	15:25			MWT-19	Radium 226/226				1	GW	SW
5	02/18/26	16:35			MW-28	Radium 226/226				1	GW	SW
6	02/18/26	9:35			MW-36 pH<2	Radium 226/226				1	GW	SW
7	02/18/26	11:20			MW-37 pH<2	Radium 226/226				1	GW	SW
8	02/18/26	12:00			MW-38	Radium 226/226				1	GW	SW
9	02/18/26	13:10			MW-13	Radium 226/226				1	GW	SW
10	02/18/26	15:20			MW-12	Radium 226/226				1	GW	SW
11												
12												
13												
14												

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
Michelle Johnson	2/19/26	AM PM	Fedex		AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
Fedex		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM			AM PM

LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT

LAB COMMENTS

Level IV Data Package for St. Louis EDD

CONDITIONS UPON RECEIPT (check one):

____ Iced: Wet/Blue ____ Ambient _____ °C Upon Receipt____ N/A

MATRIX CODES:

DW-DRINKING WATER
RW-REAGENT WATER
GW-GROUND WATER
EW-EXPOSURE WATER
SW-SURFACE WATER
PW-POOL WATER

TURN-AROUND TIME (TAT) - SURCHARGES

SW = Standard Written: (15 working days)	0%	IV* = Immediate Verbal: (3 working days)	100%
RV* = Rush Verbal: (5 working days)	50%	IW* =Immediate Written: (3 working days)	125%
RW* = Rush Written: (5 working days)	75%	SP* = Weekend, Holiday	CALL
		STAT* = Less than 48 hours	CALL

Samples received unannounced with less than 48 hours holding time remaining may be subject to additional charges.

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F: 1.574.233.8207

Order #

Batch # _____

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CHAIN OF CUSTODY RECORD

Page 1 of 4

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REPORT TO:

Ann Mink, Tim Brewer (jmink@trace-labs.com, tbrewer@trace-labs.com) Trace Analytical Laboratories, Inc., 2241 Black Creek Rd., Muskegon, MI 49444 231-733-5998

BILL TO:

Accounts Payable, Trace Analytical Laboratories, Inc., 2241 Black Creek Rd., Muskegon, MI 49444

SAMPLER (Signature)

PWS ID #

STATE (sample origin): MI

PROJECT NAME: 26B0744

PO#: 26B0744

COMPLIANCE MONITORING	Yes	No
	X	

POPULATION SERVED

SOURCE WATER

LAB Number	COLLECTION DATE	COLLECTION TIME	AM	PM	SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	02/19/26	9:36			MW-03	Radium 226/226				1	GW	SW
2	02/19/26	10:38			MW-04	Radium 226/226				1	GW	SW
3	02/19/26	11:50			MW-14R	Radium 226/226				1	GW	SW
4	02/19/26	14:08			MWT-01RB	Radium 226/226				1	GW	SW
5	02/19/26	15:40			MW-01R	Radium 226/226				1	GW	SW
6	02/19/26	17:16			MW-16	Radium 226/226				1	GW	SW
7	02/19/26	17:30			SG-07	Radium 226/226				1	GW	SW
8	02/19/26	10:10			MW-07	Radium 226/226				1	GW	SW
9	02/19/26	12:15			MW-43	Radium 226/226				1	GW	SW
10	02/19/26	13:20			MW-20	Radium 226/226				1	GW	SW
11	02/19/26	14:40			MW-18	Radium 226/226				1	GW	SW
12	02/19/26	16:20			MW-39	Radium 226/226				1	GW	SW
13										1	GW	SW
14												

page 2

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
Michelle Johnson	2/20/26	AM PM	Fedex		AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
Fedex		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM			AM PM

LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT

LAB COMMENTS

Level IV Data Package for St. Louis EDD

CONDITIONS UPON RECEIPT (check one):

____ Iced: Wet/Blue ____ Ambient _____ °C Upon Receipt____ N/A

MATRIX CODES:

DW-DRINKING WATER
RW-REAGENT WATER
GW-GROUND WATER
EW-EXPOSURE WATER
SW-SURFACE WATER
PW-POOL WATER
WW-WASTE WATER

TURN-AROUND TIME (TAT) - SURCHARGES

SW = Standard Written: (15 working days)	0%	IV* = Immediate Verbal: (3 working days)	100%
RV* = Rush Verbal: (5 working days)	50%	IW* =Immediate Written: (3 working days)	125%
RW* = Rush Written: (5 working days)	75%	SP* = Weekend, Holiday	CALL
		STAT* = Less than 48 hours	CALL

* Please call, expedited service not available for all testing

Samples received unannounced with less than 48 hours holding time remaining may be subject to additional charges.

Sample analysis will be provided according to the standard EEA/Water Services Terms, which are available upon request. Any other terms proposed by Customer are deemed material alterations and are rejected unless expressly agreed to in writing by EEA.

Eurofins South Bend
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fullmer, Karen	Carrier Tracking No(s): N/A	COC No: 810-68576.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Karen.Fullmer@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Michigan		Job #: 810-181760-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/25/2026			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 26B0744	Project #: 81000263			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21EPA 903.0 - Radium 226 (St. Louis)	904.0/PrecSep_0EPA 904.0 - Radium 228 (St. Louis)	Ra226_228GFPC_PCombined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-34 (810-181760-1)	2/17/26	09:10 Eastern	G	Water			X	X	X	1	
MW-33 (810-181760-2)	2/17/26	10:30 Eastern	G	Water			X	X	X	1	
MW-27 (810-181760-3)	2/17/26	12:10 Eastern	G	Water			X	X	X	1	
MW-11 (810-181760-4)	2/17/26	19:10 Eastern	G	Water			X	X	X	1	
MWT-11 (810-181760-5)	2/17/26	19:10 Eastern	G	Water			X	X	X	1	
MWT-33 (810-181760-6)	2/17/26	10:30 Eastern	G	Water			X	X	X	1	
MW-06 (810-181760-7)	2/17/26	15:55 Eastern	G	Water			X	X	X	1	
MW-41 (810-181760-8)	2/17/26	15:35 Eastern	G	Water			X	X	X	1	
MW-10 (810-181760-9)	2/17/26	14:15 Eastern	G	Water			X	X	X	1	

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Penny Pehrling	12/25/2026 0840	EBB			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

Eurofins South Bend
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fullmer, Karen	Carrier Tracking No(s): N/A	COC No: 810-68576.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Karen.Fullmer@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Michigan		Job #: 810-181760-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/25/2026			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 26B0744	Project #: 81000263			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21EPA 903.0 - Radium 226 (St. Louis)	904.0/PrecSep_0EPA 904.0 - Radium 228 (St. Louis)	Ra226_228GFPC_PCombined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MWT-10 (810-181760-10)	2/17/26	14:35 Eastern	G	Water			X	X	X	1	
MW-09 (810-181760-11)	2/17/26	12:25 Eastern	G	Water			X	X	X	1	
MW-02 (810-181760-12)	2/17/26	10:35 Eastern	G	Water			X	X	X	1	
MW-30 (810-181760-13)	2/16/26	15:55 Eastern	G	Water			X	X	X	1	
MW-31 (810-181760-14)	2/16/26	16:40 Eastern	G	Water			X	X	X	1	
MW-32 (810-181760-15)	2/16/26	13:55 Eastern	G	Water			X	X	X	1	
MW-08 (810-181760-16)	2/18/26	10:20 Eastern	G	Water			X	X	X	1	
MW-42 (810-181760-17)	2/18/26	11:55 Eastern	G	Water			X	X	X	1	
MW-17 (810-181760-18)	2/18/26	14:10 Eastern	G	Water			X	X	X	1	

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

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

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

Relinquished by: Penny Pehling Wright	Date/Time: 12/25/2026 0840	Company: ESB	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

Eurofins South Bend
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fullmer, Karen	Carrier Tracking No(s): N/A	COC No: 810-68576.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Karen.Fullmer@et.eurofinsus.com	State of Origin: Michigan	Page: Page 3 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Michigan		Job #: 810-181760-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/25/2026			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 26B0744	Project #: 81000263			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21EPA 903.0 - Radium 226 (St. Louis)	904.0/PrecSep_0EPA 904.0 - Radium 228 (St. Louis)	Ra226_228GFPC_PCombined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-19 (810-181760-19)	2/18/26	15:25 Eastern	G	Water			X	X	X	1	
MW-28 (810-181760-20)	2/18/26	16:35 Eastern	G	Water			X	X	X	1	
MW-36 (810-181760-21)	2/18/26	09:35 Eastern	G	Water			X	X	X	1	
MW-37 (810-181760-22)	2/18/26	11:20 Eastern	G	Water			X	X	X	1	
MW-38 (810-181760-23)	2/18/26	12:00 Eastern	G	Water			X	X	X	1	
MW-13 (810-181760-24)	2/18/26	13:10 Eastern	G	Water			X	X	X	1	
MW-12 (810-181760-25)	2/18/26	15:20 Eastern	G	Water			X	X	X	1	
MW-03 (810-181760-26)	2/19/26	09:36 Eastern	G	Water			X	X	X	1	
MW-04 (810-181760-27)	2/19/26	10:38 Eastern	G	Water			X	X	X	1	

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Penny Pehling Jr	03/25/2026 0840	ESB			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

Eurofins South Bend
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fullmer, Karen	Carrier Tracking No(s): N/A	COC No: 810-68576.4
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Karen.Fullmer@et.eurofinsus.com	State of Origin: Michigan	Page: Page 4 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Michigan		Job #: 810-181760-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/25/2026			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 26B0744	Project #: 81000263			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21EPA 903.0 - Radium 226 (St. Louis)	904.0/PrecSep_0EPA 904.0 - Radium 228 (St. Louis)	Ra226_228GFPC_PCombined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-14R (810-181760-28)	2/19/26	11:50 Eastern	G	Water			X	X	X	1	
MWT-01RB (810-181760-29)	2/19/26	14:08 Eastern	G	Water			X	X	X	1	
MW-01 R (810-181760-30)	2/19/26	15:40 Eastern	G	Water			X	X	X	1	
MW-16 (810-181760-31)	2/19/26	17:16 Eastern	G	Water			X	X	X	1	
SG-07 (810-181760-32)	2/19/26	17:30 Eastern	G	Water			X	X	X	1	
MW-07 (810-181760-33)	2/19/26	10:10 Eastern	G	Water			X	X	X	1	
MW-43 (810-181760-34)	2/19/26	12:15 Eastern	G	Water			X	X	X	1	
MW-20 (810-181760-35)	2/19/26	13:20 Eastern	G	Water			X	X	X	1	
MW-18 (810-181760-36)	2/19/26	14:40 Eastern	G	Water			X	X	X	1	

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Penny Pehlivanyan	02/25/2026 0840	ESB			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

Eurofins South Bend
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fullmer, Karen	Carrier Tracking No(s): N/A	COC No: 810-68576.5
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Karen.Fullmer@et.eurofinsus.com	State of Origin: Michigan	Page: Page 5 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Michigan		Job #: 810-181760-1
Address: 13715 Rider Trail North,	Due Date Requested: 3/25/2026			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 26B0744	Project #: 81000263			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21EPA 903.0 - Radium 226 (St. Louis)	904.0/PrecSep_0EPA 904.0 - Radium 228 (St. Louis)	Ra226_228GFPC_PCombined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-39 (810-181760-37)	2/19/26	16:20 Eastern	G	Water			X	X	X	1	

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Penny Pehley Wyll	02/25/2026 0840	ESB			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

Eurofins South Bend
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fullmer, Karen	Carrier Tracking No(s): N/A	COC No: 810-68576.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Karen.Fullmer@et.eurofinsus.com	State of Origin: Michigan	Page: Page 1 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Michigan		Job #: 810-181760-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/25/2026			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 26B0744	Project #: 81000263			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21EPA 903.0 - Radium 226 (St. Louis)	904.0/PrecSep_0EPA 904.0 - Radium 228 (St. Louis)	Ra226_228GFPC_PCombined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-34 (810-181760-1)	2/17/26	09:10 Eastern	G	Water			X	X	X	1	
MW-33 (810-181760-2)	2/17/26	10:30 Eastern	G	Water			X	X	X	1	
MW-27 (810-181760-3)	2/17/26	12:10 Eastern	G	Water			X	X	X	1	
MW-11 (810-181760-4)	2/17/26	19:10 Eastern	G	Water			X	X	X	1	
MWT-11 (810-181760-5)	2/17/26	19:10 Eastern	G	Water			X	X	X	1	
MWT-33 (810-181760-6)	2/17/26	10:30 Eastern	G	Water			X	X	X	1	
MW-06 (810-181760-7)	2/17/26	15:55 Eastern	G	Water			X	X	X	1	
MW-41 (810-181760-8)	2/17/26	15:35 Eastern	G	Water			X	X	X	1	
MW-10 (810-181760-9)	2/17/26	14:15 Eastern	G	Water			X	X	X	1	

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Penny Pehlinglift	12/25/2026 0840	ESB		0910 FEB 26 2026	
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

Eurofins South Bend
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fullmer, Karen	Carrier Tracking No(s): N/A	COC No: 810-68576.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Karen.Fullmer@et.eurofinsus.com	State of Origin: Michigan	Page: Page 2 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Michigan		Job #: 810-181760-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/25/2026			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 26B0744	Project #: 81000263			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21EPA 903.0 - Radium 226 (St. Louis)	904.0/PrecSep_0EPA 904.0 - Radium 228 (St. Louis)	Ra226_228GFPC_PCombined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MWT-10 (810-181760-10)	2/17/26	14:35 Eastern	G	Water			X	X	X	1	
MW-09 (810-181760-11)	2/17/26	12:25 Eastern	G	Water			X	X	X	1	
MW-02 (810-181760-12)	2/17/26	10:35 Eastern	G	Water			X	X	X	1	
MW-30 (810-181760-13)	2/16/26	15:55 Eastern	G	Water			X	X	X	1	
MW-31 (810-181760-14)	2/16/26	16:40 Eastern	G	Water			X	X	X	1	
MW-32 (810-181760-15)	2/16/26	13:55 Eastern	G	Water			X	X	X	1	
MW-08 (810-181760-16)	2/18/26	10:20 Eastern	G	Water			X	X	X	1	
MW-42 (810-181760-17)	2/18/26	11:55 Eastern	G	Water			X	X	X	1	
MW-17 (810-181760-18)	2/18/26	14:10 Eastern	G	Water			X	X	X	1	

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Penny Pebley Wright	12/25/2026 0840	EBB		0910 FEB 26 2026	
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

4/10/2026 (Rev. 1)

Eurofins South Bend
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fullmer, Karen	Carrier Tracking No(s): N/A	COC No: 810-68576.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Karen.Fullmer@et.eurofinsus.com	State of Origin: Michigan	Page: Page 3 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Michigan		Job #: 810-181760-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/25/2026			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 26B0744	Project #: 81000263			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21EPA 903.0 - Radium 226 (St. Louis)	904.0/PrecSep_0EPA 904.0 - Radium 228 (St. Louis)	Ra226_228GFPC_PCombined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-19 (810-181760-19)	2/18/26	15:25 Eastern	G	Water			X	X	X	1	
MW-28 (810-181760-20)	2/18/26	16:35 Eastern	G	Water			X	X	X	1	
MW-36 (810-181760-21)	2/18/26	09:35 Eastern	G	Water			X	X	X	1	
MW-37 (810-181760-22)	2/18/26	11:20 Eastern	G	Water			X	X	X	1	
MW-38 (810-181760-23)	2/18/26	12:00 Eastern	G	Water			X	X	X	1	
MW-13 (810-181760-24)	2/18/26	13:10 Eastern	G	Water			X	X	X	1	
MW-12 (810-181760-25)	2/18/26	15:20 Eastern	G	Water			X	X	X	1	
MW-03 (810-181760-26)	2/19/26	09:36 Eastern	G	Water			X	X	X	1	
MW-04 (810-181760-27)	2/19/26	10:38 Eastern	G	Water			X	X	X	1	

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Penny Pehling W.ft	02/25/2026 0840	ESB		0910 FEB 26 2026	
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

Eurofins South Bend
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fullmer, Karen	Carrier Tracking No(s): N/A	COC No: 810-68576.4
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Karen.Fullmer@et.eurofinsus.com	State of Origin: Michigan	Page: Page 4 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Michigan		Job #: 810-181760-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/25/2026			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 26B0744	Project #: 81000263			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21EPA 903.0 - Radium 226 (St. Louis)	904.0/PrecSep_0EPA 904.0 - Radium 228 (St. Louis)	Ra226_228GFPC_PCombined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-14R (810-181760-28)	2/19/26	11:50 Eastern	G	Water			X	X	X	1	
MWT-01RB (810-181760-29)	2/19/26	14:08 Eastern	G	Water			X	X	X	1	
MW-01 R (810-181760-30)	2/19/26	15:40 Eastern	G	Water			X	X	X	1	
MW-16 (810-181760-31)	2/19/26	17:16 Eastern	G	Water			X	X	X	1	
SG-07 (810-181760-32)	2/19/26	17:30 Eastern	G	Water			X	X	X	1	
MW-07 (810-181760-33)	2/19/26	10:10 Eastern	G	Water			X	X	X	1	
MW-43 (810-181760-34)	2/19/26	12:15 Eastern	G	Water			X	X	X	1	
MW-20 (810-181760-35)	2/19/26	13:20 Eastern	G	Water			X	X	X	1	
MW-18 (810-181760-36)	2/19/26	14:40 Eastern	G	Water			X	X	X	1	

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Penny Pehlinglift	02/25/2026 0840	ESB		0910 FEB 26 2026	
2	Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

Eurofins South Bend
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fullmer, Karen	Carrier Tracking No(s): N/A	COC No: 810-68576.5
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Karen.Fullmer@et.eurofinsus.com	State of Origin: Michigan	Page: Page 5 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Michigan		Job #: 810-181760-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/25/2026			Preservation Codes: -
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 26B0744	Project #: 81000263			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21EPA 903.0 - Radium 226 (St. Louis)	904.0/PrecSep_0EPA 904.0 - Radium 228 (St. Louis)	Ra226_228GFPC_PCombined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-39 (810-181760-37)	2/19/26	16:20 Eastern	G	Water			X	X	X	1	

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Penny Pehling Wilt	02/25/2026 0840	ESB	[signature]	0910 FEB 26 2026	
Relinquished by:	Date/Time:	Company	Received by: Cheyenne Forrest	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Trace Analytical Laboratories

Job Number: 810-181760-1

Login Number: 181760
List Number: 1
Creator: Moore, Gary

List Source: Eurofins South Bend

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	False	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Sample Preservative Verified	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: Trace Analytical Laboratories

Job Number: 810-181760-1

Login Number: 181760
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 02/26/26 12:21 PM

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

Appendix F

Statistical Outputs

Table 1: Summary Statistics, Non-Detects Included

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
11_2_3_105	MW-01R	Appendix III	Boron	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	111	110	38.0	160	35.9	0.323	-0.375
11_2_3_107	MW-01R	Appendix III	Calcium	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	229	220	130	400	75.2	0.329	0.742
11_2_3_108	MW-01R	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Normal	Normal	130	140	49.0	210	44.6	0.342	-0.421
11_2_3_112	MW-01R	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Normal	Normal	12.3	14.0	4.80	17.0	3.53	0.287	-0.700
11_2_3_120	MW-01R	Appendix III	pH (field)	su	18	0	0%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	7.63	7.74	6.02	7.81	0.408	0.0535	-4.0
11_2_3_124	MW-01R	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Gamma	410	375	8.80	980	295	0.720	0.396
11_2_3_126	MW-01R	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	2356	2400	2100	2600	120	0.0509	-0.147
11_2_4_101	MW-01R	Appendix IV	Antimony	mg/L	18	3	17%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	0.000389	0.000250	0.000170	0.00120	0.000293	0.754	1.87
11_2_4_102	MW-01R	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	0.00157	0.00135	0.000730	0.00410	0.000726	0.463	2.64
11_2_4_103	MW-01R	Appendix IV	Barium	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.384	0.355	0.200	0.810	0.157	0.409	1.21
11_2_4_104	MW-01R	Appendix IV	Beryllium	mg/L	18	2	11%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000202	0.000200	0.0000520	0.000360	0.0000970	0.479	0.185
11_2_4_106	MW-01R	Appendix IV	Cadmium	mg/L	18	13	72%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000148	0.0000750	0.0000320	0.000380	0.000117	0.791	1.25
11_2_4_109	MW-01R	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Lognormal	Lognormal	0.00332	0.00200	0.00130	0.0220	0.00474	1.43	4.02
11_2_4_110	MW-01R	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	0.00279	0.00115	0.000640	0.0230	0.00515	1.84	3.96
11_2_4_113	MW-01R	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Normal	Normal	12.3	14.0	4.80	17.0	3.53	0.287	-0.700
11_2_4_115	MW-01R	Appendix IV	Lead	mg/L	18	2	11%	2022-11-29 to 2026-02-19	Lognormal	Lognormal	0.00131	0.000845	0.000350	0.00530	0.00129	0.990	2.43
11_2_4_116	MW-01R	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	2.40	2.55	0.770	3.40	0.743	0.310	-0.581
11_2_4_117	MW-01R	Appendix IV	Mercury	ng/L	18	15	83%	2022-11-29 to 2026-02-19		Nonparametric	125	160	0.160	160	68	0.545	-1.46
11_2_4_118	MW-01R	Appendix IV	Molybdenum	mg/L	18	2	11%	2022-11-29 to 2026-02-19	Lognormal	Lognormal	0.00121	0.000750	0.000250	0.00560	0.00132	1.09	2.55
11_2_4_121	MW-01R	Appendix IV	Radium 226 and 228	pCi/L	18	12	67%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.922	0.935	0.601	1.28	0.215	0.234	0.212
11_2_4_122	MW-01R	Appendix IV	Selenium	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Lognormal	Lognormal	0.000714	0.000670	0.000300	0.00180	0.000309	0.433	2.66
11_2_4_125	MW-01R	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-29 to 2026-02-19		Nonparametric	0.000228	0.000228	0.0000750	0.000380	0.000157	0.690	0
11_2_5_111	MW-01R	Part 115	Copper	mg/L	18	6	33%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	0.000437	0.000290	0.000200	0.00140	0.000381	0.870	1.94
11_2_5_114	MW-01R	Part 115	Iron	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Gamma	0.501	0.490	0.0590	1.40	0.409	0.817	0.682
11_2_5_119	MW-01R	Part 115	Nickel	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	0.00419	0.00205	0.00120	0.0220	0.00586	1.40	2.66
11_2_5_123	MW-01R	Part 115	Silver	mg/L	18	18	100%	2022-11-29 to 2026-02-19		Nonparametric	0.0000944	0.0000500	0.0000500	0.000250	0.0000856	0.906	1.46
11_2_5_128	MW-01R	Part 115	Vanadium	mg/L	18	2	11%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00211	0.00185	0.000620	0.00460	0.00125	0.594	0.639
11_2_5_129	MW-01R	Part 115	Zinc	mg/L	18	3	17%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	0.0104	0.00170	0.00120	0.0520	0.0146	1.40	1.77
12_2_3_105	MW-02	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Lognormal	Lognormal	111	105	59.0	190	33.8	0.304	1.15
12_2_3_107	MW-02	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	197	195	170	240	18.4	0.0933	0.460
12_2_3_108	MW-02	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	142	145	67.0	160	20.1	0.142	-3.23
12_2_3_112	MW-02	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	10.6	10.0	4.50	16.0	2.57	0.244	0.176
12_2_3_120	MW-02	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	7.21	7.19	7.06	7.45	0.103	0.0143	0.749
12_2_3_124	MW-02	Appendix III	Sulfate (as SO4)	mg/L	18	10	56%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	1.46	1.20	0.410	5.50	1.24	0.852	2.08
12_2_3_126	MW-02	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	1967	1950	1600	2600	268	0.136	1.04
12_2_4_101	MW-02	Appendix IV	Antimony	mg/L	18	3	17%	2022-11-28 to 2026-02-17	Gamma; Lognormal	Gamma	0.000256	0.000230	0.000100	0.000630	0.000137	0.537	1.63
12_2_4_102	MW-02	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Normal	Normal	0.00756	0.00770	0.000440	0.0120	0.00241	0.319	-1.23
12_2_4_103	MW-02	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.471	0.475	0.320	0.730	0.0954	0.203	0.722
12_2_4_104	MW-02	Appendix IV	Beryllium	mg/L	18	1	6%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.000263	0.000270	0.0000520	0.000520	0.000118	0.449	0.401
12_2_4_106	MW-02	Appendix IV	Cadmium	mg/L	18	12	67%	2022-11-28 to 2026-02-17	Lognormal	Nonparametric	0.000120	0.0000750	0.0000320	0.000490	0.000121	1.01	2.48
12_2_4_109	MW-02	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Normal	Normal	0.0431	0.0455	0.000380	0.0680	0.0188	0.435	-0.516
12_2_4_110	MW-02	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Normal	Normal	0.00654	0.00630	0.000240	0.0120	0.00276	0.423	-0.267

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
12_2_4_113	MW-02	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	10.6	10.0	4.50	16.0	2.57	0.244	0.176
12_2_4_115	MW-02	Appendix IV	Lead	mg/L	18	1	6%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00290	0.00235	0.000100	0.00600	0.00168	0.581	0.461
12_2_4_116	MW-02	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal	Gamma	1.53	1.50	0.870	2.50	0.398	0.261	1.14
12_2_4_117	MW-02	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-28 to 2026-02-17		Nonparametric	125	160	1.60	160	67.1	0.536	-1.46
12_2_4_118	MW-02	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	0.00854	0.00620	0.00380	0.0290	0.00610	0.714	2.52
12_2_4_121	MW-02	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	1.67	1.56	0.686	3.35	0.790	0.474	0.708
12_2_4_122	MW-02	Appendix IV	Selenium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00135	0.00130	0.000500	0.00230	0.000485	0.361	0.282
12_2_4_125	MW-02	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-28 to 2026-02-17		Nonparametric	0.000224	0.0000750	0.0000750	0.000620	0.000180	0.803	0.636
12_2_5_111	MW-02	Part 115	Copper	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00217	0.00200	0.000230	0.00470	0.00119	0.547	0.687
12_2_5_114	MW-02	Part 115	Iron	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	23.4	22.5	18.0	31.0	3.90	0.166	0.460
12_2_5_119	MW-02	Part 115	Nickel	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma	Gamma	0.0277	0.0230	0.000930	0.0740	0.0169	0.609	1.29
12_2_5_123	MW-02	Part 115	Silver	mg/L	18	18	100%	2022-11-28 to 2026-02-17		Nonparametric	0.0000833	0.0000500	0.0000500	0.000250	0.0000767	0.920	1.96
12_2_5_128	MW-02	Part 115	Vanadium	mg/L	18	1	6%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00403	0.00400	0.000620	0.00690	0.00186	0.461	-0.228
12_2_5_129	MW-02	Part 115	Zinc	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	0.0102	0.00330	0.00160	0.0440	0.0133	1.30	1.58
13_2_3_105	MW-03	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	4.09	4.10	3.30	4.50	0.318	0.0777	-0.826
13_2_3_107	MW-03	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	359	355	290	430	36.7	0.102	0.122
13_2_3_108	MW-03	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	152	140	94.0	300	53.7	0.353	1.41
13_2_3_112	MW-03	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.697	0.620	0.520	1.60	0.244	0.350	3.30
13_2_3_120	MW-03	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	7.36	7.33	7.20	7.59	0.0929	0.0126	0.726
13_2_3_124	MW-03	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Gamma	319	310	29.0	760	225	0.704	0.381
13_2_3_126	MW-03	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	2000	1950	1600	2300	270	0.135	-0.0403
13_2_4_101	MW-03	Appendix IV	Antimony	mg/L	18	12	67%	2022-11-28 to 2026-02-19	Gamma; Lognormal	Nonparametric	0.000199	0.000100	0.0000870	0.000500	0.000163	0.822	1.31
13_2_4_102	MW-03	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000909	0.000890	0.000490	0.00140	0.000269	0.296	0.0818
13_2_4_103	MW-03	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Normal	Normal	0.357	0.370	0.130	0.500	0.0815	0.228	-1.09
13_2_4_104	MW-03	Appendix IV	Beryllium	mg/L	18	11	61%	2022-11-28 to 2026-02-19	Lognormal	Nonparametric	0.0000789	0.0000520	0.0000520	0.000260	0.0000580	0.735	2.41
13_2_4_106	MW-03	Appendix IV	Cadmium	mg/L	18	17	94%	2022-11-28 to 2026-02-19		Nonparametric	0.000113	0.0000750	0.0000320	0.000380	0.000103	0.913	2.17
13_2_4_109	MW-03	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00444	0.00425	0.00300	0.00730	0.00121	0.271	0.827
13_2_4_110	MW-03	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000755	0.000655	0.000370	0.00130	0.000303	0.401	0.710
13_2_4_113	MW-03	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.697	0.620	0.520	1.60	0.244	0.350	3.30
13_2_4_115	MW-03	Appendix IV	Lead	mg/L	18	17	94%	2022-11-28 to 2026-02-19		Nonparametric	0.000420	0.000360	0.000100	0.00110	0.000356	0.849	1.06
13_2_4_116	MW-03	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal	Gamma	0.0374	0.0350	0.0290	0.0650	0.00911	0.244	1.87
13_2_4_117	MW-03	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-28 to 2026-02-19		Nonparametric	129	160	0.160	240	73.1	0.567	-1.14
13_2_4_118	MW-03	Appendix IV	Molybdenum	mg/L	18	13	72%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000746	0.000320	0.000250	0.00310	0.000894	1.20	2.31
13_2_4_121	MW-03	Appendix IV	Radium 226 and 228	pCi/L	17	3	18%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	1.09	0.996	0.540	1.92	0.386	0.353	0.628
13_2_4_122	MW-03	Appendix IV	Selenium	mg/L	18	3	17%	2022-11-28 to 2026-02-19	Gamma; Normal	Normal	0.000427	0.000400	0.000170	0.00110	0.000202	0.473	2.23
13_2_4_125	MW-03	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-28 to 2026-02-19		Nonparametric	0.000233	0.000280	0.0000750	0.000380	0.000153	0.655	-0.0651
13_2_5_111	MW-03	Part 115	Copper	mg/L	18	9	50%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.000385	0.000230	0.000200	0.00100	0.000310	0.804	1.45
13_2_5_114	MW-03	Part 115	Iron	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal	Gamma	1.27	0.705	0.0980	5.90	1.50	1.19	2.09
13_2_5_119	MW-03	Part 115	Nickel	mg/L	18	1	6%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.00222	0.00135	0.000850	0.0150	0.00324	1.46	4.05
13_2_5_123	MW-03	Part 115	Silver	mg/L	18	18	100%	2022-11-28 to 2026-02-19		Nonparametric	0.0000944	0.0000500	0.0000500	0.000250	0.0000856	0.906	1.46
13_2_5_128	MW-03	Part 115	Vanadium	mg/L	18	9	50%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.00119	0.00120	0.000620	0.00310	0.000683	0.573	1.41
13_2_5_129	MW-03	Part 115	Zinc	mg/L	18	9	50%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.00635	0.00125	0.000590	0.0250	0.00816	1.29	1.26

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
14_2_3_105	MW-04	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	3.79	4.00	0.680	4.70	0.907	0.239	-2.63
14_2_3_107	MW-04	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	367	360	250	560	63.5	0.173	1.44
14_2_3_108	MW-04	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Normal	Normal	141	140	11.0	300	75.8	0.536	0.0493
14_2_3_112	MW-04	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Lognormal	Lognormal	1.44	1.40	0.760	2.30	0.359	0.250	0.933
14_2_3_120	MW-04	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	7.30	7.34	6.78	7.66	0.182	0.0250	-1.16
14_2_3_124	MW-04	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Normal	Normal	610	620	1.80	1100	225	0.369	-0.652
14_2_3_126	MW-04	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	1839	1850	1100	2200	299	0.163	-1.31
14_2_4_101	MW-04	Appendix IV	Antimony	mg/L	18	12	67%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000226	0.000110	0.0000500	0.000500	0.000180	0.797	0.671
14_2_4_102	MW-04	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.00134	0.00100	0.000470	0.00590	0.00124	0.926	3.29
14_2_4_103	MW-04	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.132	0.120	0.0250	0.460	0.0873	0.662	3.36
14_2_4_104	MW-04	Appendix IV	Beryllium	mg/L	18	15	83%	2022-11-28 to 2026-02-19		Nonparametric	0.0000552	0.0000520	0.0000520	0.0000930	0.0000100	0.181	3.63
14_2_4_106	MW-04	Appendix IV	Cadmium	mg/L	18	18	100%	2022-11-28 to 2026-02-19		Nonparametric	0.000111	0.0000750	0.0000320	0.000380	0.000104	0.932	2.21
14_2_4_109	MW-04	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Normal	Normal	0.00348	0.00345	0.000740	0.00600	0.00144	0.415	-0.262
14_2_4_110	MW-04	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Lognormal	Lognormal	0.000621	0.000355	0.000110	0.00250	0.000606	0.977	2.34
14_2_4_113	MW-04	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Lognormal	Lognormal	1.44	1.40	0.760	2.30	0.359	0.250	0.933
14_2_4_115	MW-04	Appendix IV	Lead	mg/L	18	15	83%	2022-11-28 to 2026-02-19		Nonparametric	0.000394	0.000340	0.000100	0.00110	0.000304	0.771	1.35
14_2_4_116	MW-04	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0591	0.0610	0.0310	0.0740	0.0130	0.221	-0.854
14_2_4_117	MW-04	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-28 to 2026-02-19		Nonparametric	125	160	0.210	160	68	0.545	-1.46
14_2_4_118	MW-04	Appendix IV	Molybdenum	mg/L	18	2	11%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.00287	0.00125	0.000370	0.0130	0.00397	1.38	1.92
14_2_4_121	MW-04	Appendix IV	Radium 226 and 228	pCi/L	18	6	33%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.990	0.964	0.560	1.55	0.337	0.340	0.281
14_2_4_122	MW-04	Appendix IV	Selenium	mg/L	18	5	28%	2022-11-28 to 2026-02-19	Gamma; Lognormal	Gamma	0.000293	0.000220	0.000100	0.00120	0.000242	0.823	3.44
14_2_4_125	MW-04	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-28 to 2026-02-19		Nonparametric	0.000211	0.0000750	0.0000750	0.000380	0.000156	0.741	0.244
14_2_5_111	MW-04	Part 115	Copper	mg/L	18	13	72%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000337	0.000200	0.000200	0.00110	0.000293	0.870	2.05
14_2_5_114	MW-04	Part 115	Iron	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	5.11	5.60	0.190	6.80	1.92	0.376	-1.78
14_2_5_119	MW-04	Part 115	Nickel	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Normal	Normal	0.0134	0.0130	0.00190	0.0220	0.00547	0.407	-0.645
14_2_5_123	MW-04	Part 115	Silver	mg/L	18	18	100%	2022-11-28 to 2026-02-19		Nonparametric	0.0000944	0.0000500	0.0000500	0.000250	0.0000856	0.906	1.46
14_2_5_128	MW-04	Part 115	Vanadium	mg/L	18	10	56%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000744	0.000620	0.000530	0.00120	0.000206	0.277	1.27
14_2_5_129	MW-04	Part 115	Zinc	mg/L	18	10	56%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.00283	0.00120	0.00120	0.0130	0.00303	1.07	2.52
16_1_3_105	MW-06	Appendix III	Boron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	9.45	9.70	6.40	12.0	1.67	0.176	-0.282
16_1_3_107	MW-06	Appendix III	Calcium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	245	235	200	310	34.3	0.140	0.716
16_1_3_108	MW-06	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	67.1	65.0	13.0	160	37.1	0.554	0.808
16_1_3_112	MW-06	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	1.22	1.20	0.980	1.60	0.195	0.160	0.503
16_1_3_120	MW-06	Appendix III	pH (field)	su	18	0	0%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	7.25	7.28	6.42	7.49	0.224	0.0309	-3.22
16_1_3_124	MW-06	Appendix III	Sulfate (as SO4)	mg/L	18	2	11%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	9.99	9.30	0.410	30.0	8.16	0.817	0.862
16_1_3_126	MW-06	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	1188	1200	980	1300	78.9	0.0664	-0.909
16_1_4_101	MW-06	Appendix IV	Antimony	mg/L	18	16	89%	2022-11-29 to 2026-02-17		Nonparametric	0.000160	0.000100	0.0000500	0.000500	0.000144	0.896	1.82
16_1_4_102	MW-06	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.000673	0.000635	0.000370	0.00100	0.000188	0.279	0.526
16_1_4_103	MW-06	Appendix IV	Barium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	1.42	1.40	0.990	1.70	0.153	0.108	-0.938
16_1_4_104	MW-06	Appendix IV	Beryllium	mg/L	18	16	89%	2022-11-29 to 2026-02-17		Nonparametric	0.0000524	0.0000520	0.0000520	0.0000570	0.00000124	0.0237	3.49
16_1_4_106	MW-06	Appendix IV	Cadmium	mg/L	18	18	100%	2022-11-29 to 2026-02-17		Nonparametric	0.000111	0.0000750	0.0000320	0.000380	0.000104	0.932	2.21
16_1_4_109	MW-06	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.00157	0.00140	0.000950	0.00300	0.000532	0.339	1.32
16_1_4_110	MW-06	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.000493	0.000455	0.000330	0.000800	0.000139	0.282	0.996

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
16_1_4_113	MW-06	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	1.22	1.20	0.980	1.60	0.195	0.160	0.503
16_1_4_115	MW-06	Appendix IV	Lead	mg/L	18	10	56%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	0.000312	0.000200	0.000100	0.00110	0.000314	1.01	1.98
16_1_4_116	MW-06	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.175	0.175	0.110	0.230	0.0371	0.212	-0.0891
16_1_4_117	MW-06	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-29 to 2026-02-17		Nonparametric	125	160	0.490	160	68.2	0.547	-1.46
16_1_4_118	MW-06	Appendix IV	Molybdenum	mg/L	18	10	56%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.000525	0.000275	0.000250	0.00310	0.000662	1.26	3.84
16_1_4_121	MW-06	Appendix IV	Radium 226 and 228	pCi/L	18	3	17%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.879	0.811	0.460	1.91	0.352	0.400	1.82
16_1_4_122	MW-06	Appendix IV	Selenium	mg/L	18	5	28%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.000230	0.000220	0.000160	0.000470	0.0000649	0.282	3.28
16_1_4_125	MW-06	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-29 to 2026-02-17		Nonparametric	0.000143	0.0000750	0.0000750	0.000380	0.000130	0.913	1.46
16_1_5_111	MW-06	Part 115	Copper	mg/L	18	13	72%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	0.000231	0.000200	0.000200	0.000380	0.0000569	0.247	1.80
16_1_5_114	MW-06	Part 115	Iron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	16.2	16.5	4.60	31.0	6.86	0.424	0.361
16_1_5_119	MW-06	Part 115	Nickel	mg/L	18	6	33%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.000858	0.000865	0.000650	0.00120	0.000189	0.220	0.299
16_1_5_123	MW-06	Part 115	Silver	mg/L	18	18	100%	2022-11-29 to 2026-02-17		Nonparametric	0.0000945	0.0000500	0.0000500	0.000250	0.0000855	0.905	1.46
16_1_5_128	MW-06	Part 115	Vanadium	mg/L	18	14	78%	2022-11-29 to 2026-02-17		Nonparametric	0.000613	0.000620	0.000460	0.000700	0.0000475	0.0775	-2.04
16_1_5_129	MW-06	Part 115	Zinc	mg/L	18	2	11%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.0220	0.00180	0.00120	0.0940	0.0348	1.58	1.25
17_1_3_105	MW-07	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	11.2	11.0	8.80	13.0	1.09	0.0968	-0.285
17_1_3_107	MW-07	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	148	150	120	170	13.1	0.0886	-0.425
17_1_3_108	MW-07	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	14.7	14.0	13.0	17.0	1.36	0.0926	0.567
17_1_3_112	MW-07	Appendix III	Fluoride	mg/L	18	4	22%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.114	0.110	0.0550	0.220	0.0456	0.398	0.692
17_1_3_120	MW-07	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	6.88	6.88	6.58	7.05	0.118	0.0171	-1.13
17_1_3_124	MW-07	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	27.2	28.5	15.0	48.0	9.12	0.335	0.402
17_1_3_126	MW-07	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Normal	Normal	659	675	470	740	74.1	0.112	-1.52
17_1_4_101	MW-07	Appendix IV	Antimony	mg/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	0.0000873	0.000100	0.0000500	0.000100	0.0000216	0.247	-1.21
17_1_4_102	MW-07	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000202	0.000205	0.000100	0.000290	0.0000429	0.213	-0.562
17_1_4_103	MW-07	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.359	0.355	0.250	0.430	0.0440	0.123	-0.497
17_1_4_104	MW-07	Appendix IV	Beryllium	mg/L	18	13	72%	2022-11-30 to 2026-02-19	Lognormal	Nonparametric	0.0000574	0.0000520	0.0000520	0.000120	0.0000161	0.280	3.86
17_1_4_106	MW-07	Appendix IV	Cadmium	mg/L	18	18	100%	2022-11-30 to 2026-02-19		Nonparametric	0.0000631	0.0000750	0.0000320	0.0000750	0.0000198	0.314	-1.08
17_1_4_109	MW-07	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.000361	0.000335	0.000280	0.000740	0.000105	0.291	3.03
17_1_4_110	MW-07	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000929	0.000970	0.000710	0.00110	0.000110	0.118	-0.466
17_1_4_113	MW-07	Appendix IV	Fluoride (App IV)	mg/L	18	4	22%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.114	0.110	0.0550	0.220	0.0456	0.398	0.692
17_1_4_115	MW-07	Appendix IV	Lead	mg/L	18	18	100%	2022-11-30 to 2026-02-19		Nonparametric	0.000133	0.000100	0.000100	0.000220	0.0000553	0.415	1.08
17_1_4_116	MW-07	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00610	0.00570	0.00310	0.0100	0.00151	0.248	0.689
17_1_4_117	MW-07	Appendix IV	Mercury	ng/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	124	160	0.160	160	68.4	0.549	-1.46
17_1_4_118	MW-07	Appendix IV	Molybdenum	mg/L	18	18	100%	2022-11-30 to 2026-02-19		Nonparametric	0.000353	0.000250	0.000250	0.000620	0.000171	0.483	1.08
17_1_4_121	MW-07	Appendix IV	Radium 226 and 228	pCi/L	18	2	11%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.969	0.885	0.570	2.36	0.394	0.407	2.77
17_1_4_122	MW-07	Appendix IV	Selenium	mg/L	18	9	50%	2022-11-30 to 2026-02-19	Lognormal	Nonparametric	0.000151	0.000125	0.000100	0.000230	0.0000540	0.357	0.524
17_1_4_125	MW-07	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-30 to 2026-02-19		Nonparametric	0.0000750	0.0000750	0.0000750	0.0000750	0	0	NA
17_1_5_111	MW-07	Part 115	Copper	mg/L	18	14	78%	2022-11-30 to 2026-02-19		Nonparametric	0.000230	0.000200	0.000200	0.000620	0.0000991	0.431	4.02
17_1_5_114	MW-07	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	16.5	16.5	13.0	21.0	2.33	0.141	0.156
17_1_5_119	MW-07	Part 115	Nickel	mg/L	18	14	78%	2022-11-30 to 2026-02-19		Nonparametric	0.000578	0.000650	0.000160	0.000710	0.000175	0.303	-1.95
17_1_5_123	MW-07	Part 115	Silver	mg/L	18	18	100%	2022-11-30 to 2026-02-19		Nonparametric	0.0000500	0.0000500	0.0000500	0.0000500	0	0	NA
17_1_5_128	MW-07	Part 115	Vanadium	mg/L	18	12	67%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000674	0.000620	0.000590	0.000950	0.000101	0.150	1.66
17_1_5_129	MW-07	Part 115	Zinc	mg/L	18	10	56%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.00720	0.00120	0.000750	0.0330	0.0103	1.43	1.50

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
18_1_3_105	MW-08	Appendix III	Boron	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	6.17	6.80	2.50	9.30	1.83	0.297	-0.389
18_1_3_107	MW-08	Appendix III	Calcium	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	135	130	96.0	160	16.7	0.124	-0.359
18_1_3_108	MW-08	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Nonparametric	Nonparametric	39.2	30.0	17.0	110	27.1	0.690	1.94
18_1_3_112	MW-08	Appendix III	Fluoride	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Normal	Normal	0.951	1.00	0.400	1.40	0.268	0.282	-0.578
18_1_3_120	MW-08	Appendix III	pH (field)	su	18	0	0%	2022-12-01 to 2026-02-18	Nonparametric	Nonparametric	7.20	7.25	6.21	7.57	0.284	0.0395	-2.55
18_1_3_124	MW-08	Appendix III	Sulfate (as SO4)	mg/L	18	5	28%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	14.2	5.45	0.410	65.0	18.7	1.31	1.60
18_1_3_126	MW-08	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	553	550	320	780	98.4	0.178	-0.0258
18_1_4_101	MW-08	Appendix IV	Antimony	mg/L	18	10	56%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Nonparametric	0.000120	0.000100	0.0000540	0.000280	0.0000511	0.424	2.13
18_1_4_102	MW-08	Appendix IV	Arsenic	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Normal	Normal	0.0399	0.0425	0.00690	0.0910	0.0187	0.469	0.724
18_1_4_103	MW-08	Appendix IV	Barium	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.22	1.25	0.750	1.50	0.209	0.171	-0.627
18_1_4_104	MW-08	Appendix IV	Beryllium	mg/L	18	17	94%	2022-12-01 to 2026-02-18		Nonparametric	0.0000558	0.0000520	0.0000520	0.000120	0.0000160	0.287	4.24
18_1_4_106	MW-08	Appendix IV	Cadmium	mg/L	18	17	94%	2022-12-01 to 2026-02-18		Nonparametric	0.0000650	0.0000750	0.0000320	0.000110	0.0000226	0.347	-0.440
18_1_4_109	MW-08	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000773	0.000705	0.000420	0.00150	0.000272	0.352	1.10
18_1_4_110	MW-08	Appendix IV	Cobalt	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000505	0.000480	0.000260	0.000980	0.000189	0.375	0.911
18_1_4_113	MW-08	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Normal	Normal	0.951	1.00	0.400	1.40	0.268	0.282	-0.578
18_1_4_115	MW-08	Appendix IV	Lead	mg/L	18	12	67%	2022-12-01 to 2026-02-18	Gamma; Lognormal	Nonparametric	0.000332	0.000100	0.000100	0.00290	0.000665	2.01	3.81
18_1_4_116	MW-08	Appendix IV	Lithium	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0984	0.0975	0.0630	0.140	0.0243	0.247	0.305
18_1_4_117	MW-08	Appendix IV	Mercury	ng/L	18	17	94%	2022-12-01 to 2026-02-18		Nonparametric	125	160	0.160	160	68.3	0.549	-1.46
18_1_4_118	MW-08	Appendix IV	Molybdenum	mg/L	18	1	6%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00152	0.00155	0.000250	0.00410	0.00107	0.703	0.787
18_1_4_121	MW-08	Appendix IV	Radium 226 and 228	pCi/L	18	5	28%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.00	0.900	0.550	2.10	0.393	0.393	1.49
18_1_4_122	MW-08	Appendix IV	Selenium	mg/L	18	6	33%	2022-12-01 to 2026-02-18	Lognormal	Lognormal	0.000179	0.000155	0.000100	0.000340	0.0000669	0.374	1.03
18_1_4_125	MW-08	Appendix IV	Thallium	mg/L	18	17	94%	2022-12-01 to 2026-02-18		Nonparametric	0.0000781	0.0000750	0.0000750	0.000130	0.0000130	0.166	4.24
18_1_5_111	MW-08	Part 115	Copper	mg/L	18	6	33%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000341	0.000285	0.000200	0.000800	0.000170	0.501	1.45
18_1_5_114	MW-08	Part 115	Iron	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	18.2	18.5	6.60	32.0	6.56	0.361	0.349
18_1_5_119	MW-08	Part 115	Nickel	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Nonparametric	Nonparametric	0.00269	0.00140	0.000850	0.0130	0.00290	1.08	2.93
18_1_5_123	MW-08	Part 115	Silver	mg/L	18	18	100%	2022-12-01 to 2026-02-18		Nonparametric	0.0000500	0.0000500	0.0000500	0.0000500	0	0	NA
18_1_5_128	MW-08	Part 115	Vanadium	mg/L	18	15	83%	2022-12-01 to 2026-02-18		Nonparametric	0.000581	0.000620	0.000280	0.000910	0.000150	0.259	-0.737
18_1_5_129	MW-08	Part 115	Zinc	mg/L	18	3	17%	2022-12-01 to 2026-02-18	Nonparametric	Nonparametric	0.0301	0.00175	0.00120	0.160	0.0506	1.68	1.60
19_2_3_105	MW-09	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	5.68	5.75	4.90	6.90	0.569	0.100	0.223
19_2_3_107	MW-09	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	400	415	230	510	89.4	0.224	-0.376
19_2_3_108	MW-09	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Lognormal	Lognormal	26.4	18.0	11.0	67.0	17.6	0.667	1.19
19_2_3_112	MW-09	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	2.53	2.55	2.10	2.90	0.259	0.102	-0.163
19_2_3_120	MW-09	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	7.18	7.20	6.88	7.52	0.150	0.0208	0.0753
19_2_3_124	MW-09	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Normal	Normal	538	595	83.0	970	271	0.504	-0.248
19_2_3_126	MW-09	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	1522	1600	740	2100	373	0.245	-0.480
19_2_4_101	MW-09	Appendix IV	Antimony	mg/L	18	12	67%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	0.000166	0.000100	0.0000500	0.000500	0.000141	0.847	1.83
19_2_4_102	MW-09	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Normal	Normal	0.00208	0.00230	0.000820	0.00300	0.000592	0.284	-0.683
19_2_4_103	MW-09	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Lognormal	Lognormal	0.345	0.200	0.0610	2.40	0.528	1.53	3.86
19_2_4_104	MW-09	Appendix IV	Beryllium	mg/L	18	13	72%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	0.0000606	0.0000520	0.0000520	0.000150	0.0000237	0.392	3.57
19_2_4_106	MW-09	Appendix IV	Cadmium	mg/L	18	17	94%	2022-11-28 to 2026-02-17		Nonparametric	0.000138	0.0000750	0.0000320	0.000680	0.000171	1.24	2.40
19_2_4_109	MW-09	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00231	0.00230	0.00110	0.00320	0.000563	0.244	-0.242
19_2_4_110	MW-09	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.000497	0.000495	0.000230	0.000990	0.000213	0.428	0.589

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
19_2_4_113	MW-09	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	2.53	2.55	2.10	2.90	0.259	0.102	-0.163
19_2_4_115	MW-09	Appendix IV	Lead	mg/L	18	17	94%	2022-11-28 to 2026-02-17		Nonparametric	0.000344	0.000220	0.000100	0.00110	0.000323	0.937	1.51
19_2_4_116	MW-09	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.305	0.305	0.260	0.350	0.0275	0.0901	-0.0573
19_2_4_117	MW-09	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-28 to 2026-02-17		Nonparametric	357	160	0.160	2400	694	1.95	2.68
19_2_4_118	MW-09	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.0227	0.0220	0.00970	0.0330	0.00648	0.285	-0.238
19_2_4_121	MW-09	Appendix IV	Radium 226 and 228	pCi/L	18	16	89%	2022-11-28 to 2026-02-17		Nonparametric	0.770	0.774	0.450	1.12	0.146	0.189	0.345
19_2_4_122	MW-09	Appendix IV	Selenium	mg/L	18	2	11%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	0.000472	0.000270	0.000120	0.00350	0.000763	1.62	4.11
19_2_4_125	MW-09	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-28 to 2026-02-17		Nonparametric	0.000194	0.0000750	0.0000750	0.000380	0.000153	0.790	0.498
19_2_5_111	MW-09	Part 115	Copper	mg/L	18	11	61%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	0.000494	0.000200	0.000200	0.00380	0.000865	1.75	3.72
19_2_5_114	MW-09	Part 115	Iron	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	19.7	19.5	5.80	26.0	5.34	0.271	-0.965
19_2_5_119	MW-09	Part 115	Nickel	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Lognormal	Nonparametric	0.0108	0.00265	0.000720	0.100	0.0233	2.15	3.67
19_2_5_123	MW-09	Part 115	Silver	mg/L	18	18	100%	2022-11-28 to 2026-02-17		Nonparametric	0.0000833	0.0000500	0.0000500	0.000250	0.0000767	0.920	1.96
19_2_5_128	MW-09	Part 115	Vanadium	mg/L	18	15	83%	2022-11-28 to 2026-02-17		Nonparametric	0.000598	0.000620	0.000280	0.000710	0.0000899	0.150	-2.97
19_2_5_129	MW-09	Part 115	Zinc	mg/L	18	8	44%	2022-11-28 to 2026-02-17	Gamma; Lognormal	Gamma	0.0119	0.00160	0.00120	0.120	0.0279	2.34	3.82
20_3_3_105	MW-10	Appendix III	Boron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Normal	Normal	18.7	21.5	4.50	30.0	8.27	0.442	-0.370
20_3_3_107	MW-10	Appendix III	Calcium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	293	270	160	590	107	0.366	1.50
20_3_3_108	MW-10	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	323	315	92.0	700	187	0.577	0.785
20_3_3_112	MW-10	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	5.31	5.65	2.70	7.70	1.48	0.279	-0.353
20_3_3_120	MW-10	Appendix III	pH (field)	su	18	0	0%	2022-11-29 to 2026-02-17	Lognormal	Lognormal	7.75	7.78	7.05	8.81	0.369	0.0476	1.08
20_3_3_124	MW-10	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	567	430	140	1700	391	0.691	1.53
20_3_3_126	MW-10	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	2044	1850	1500	3200	463	0.226	1.27
20_3_4_101	MW-10	Appendix IV	Antimony	mg/L	18	14	78%	2022-11-29 to 2026-02-17		Nonparametric	0.000163	0.000100	0.0000500	0.000500	0.000140	0.858	1.85
20_3_4_102	MW-10	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.000824	0.000735	0.000200	0.00200	0.000522	0.633	0.946
20_3_4_103	MW-10	Appendix IV	Barium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.339	0.300	0.140	0.720	0.162	0.479	1.16
20_3_4_104	MW-10	Appendix IV	Beryllium	mg/L	18	8	44%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.0000773	0.0000540	0.0000520	0.000220	0.0000449	0.581	2.35
20_3_4_106	MW-10	Appendix IV	Cadmium	mg/L	18	18	100%	2022-11-29 to 2026-02-17		Nonparametric	0.000111	0.0000750	0.0000320	0.000380	0.000104	0.932	2.21
20_3_4_109	MW-10	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00397	0.00415	0.00130	0.00850	0.00188	0.473	0.685
20_3_4_110	MW-10	Appendix IV	Cobalt	mg/L	18	1	6%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.000481	0.000390	0.000100	0.00180	0.000381	0.792	2.66
20_3_4_113	MW-10	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	5.31	5.65	2.70	7.70	1.48	0.279	-0.353
20_3_4_115	MW-10	Appendix IV	Lead	mg/L	18	16	89%	2022-11-29 to 2026-02-17		Nonparametric	0.000374	0.000195	0.000100	0.00110	0.000369	0.987	1.28
20_3_4_116	MW-10	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Lognormal	Lognormal	0.943	0.955	0.540	1.60	0.232	0.246	0.909
20_3_4_117	MW-10	Appendix IV	Mercury	ng/L	18	15	83%	2022-11-29 to 2026-02-17		Nonparametric	221	160	0.160	1900	424	1.92	4.06
20_3_4_118	MW-10	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00290	0.00275	0.000650	0.00720	0.00173	0.599	0.912
20_3_4_121	MW-10	Appendix IV	Radium 226 and 228	pCi/L	18	14	78%	2022-11-29 to 2026-02-17		Nonparametric	0.844	0.788	0.590	1.36	0.216	0.256	0.972
20_3_4_122	MW-10	Appendix IV	Selenium	mg/L	18	1	6%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.000354	0.000330	0.000190	0.000830	0.000136	0.384	2.66
20_3_4_125	MW-10	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-29 to 2026-02-17		Nonparametric	0.000194	0.0000750	0.0000750	0.000380	0.000153	0.790	0.498
20_3_5_111	MW-10	Part 115	Copper	mg/L	18	15	83%	2022-11-29 to 2026-02-17		Nonparametric	0.000287	0.000200	0.000200	0.00130	0.000265	0.921	3.71
20_3_5_114	MW-10	Part 115	Iron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	4.93	4.85	2.30	7.70	1.73	0.352	0.125
20_3_5_119	MW-10	Part 115	Nickel	mg/L	18	7	39%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.000878	0.000820	0.000650	0.00180	0.000297	0.338	1.97
20_3_5_123	MW-10	Part 115	Silver	mg/L	18	18	100%	2022-11-29 to 2026-02-17		Nonparametric	0.0000945	0.0000500	0.0000500	0.000250	0.0000855	0.905	1.46
20_3_5_128	MW-10	Part 115	Vanadium	mg/L	18	12	67%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	0.000766	0.000620	0.000530	0.00140	0.000271	0.354	1.51
20_3_5_129	MW-10	Part 115	Zinc	mg/L	18	7	39%	2022-11-29 to 2026-02-17	Lognormal	Nonparametric	0.00701	0.00130	0.00120	0.0480	0.0118	1.69	2.78

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
21_2_3_105	MW-11	Appendix III	Boron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	6.67	5.80	1.50	14.0	3.91	0.585	0.602
21_2_3_107	MW-11	Appendix III	Calcium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	252	255	130	380	71.6	0.285	-0.130
21_2_3_108	MW-11	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	68.9	72.0	38.0	95.0	16.6	0.241	-0.280
21_2_3_112	MW-11	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.694	0.665	0.210	1.60	0.399	0.575	0.858
21_2_3_120	MW-11	Appendix III	pH (field)	su	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	7.30	7.32	7.09	7.47	0.101	0.0138	-0.355
21_2_3_124	MW-11	Appendix III	Sulfate (as SO4)	mg/L	18	7	39%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	33.7	7.70	0.410	210	62.5	1.86	2.28
21_2_3_126	MW-11	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	1024	985	680	1800	247	0.241	1.74
21_2_4_101	MW-11	Appendix IV	Antimony	mg/L	18	13	72%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	0.000180	0.000100	0.0000500	0.000690	0.000172	0.959	2.06
21_2_4_102	MW-11	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.00194	0.00160	0.000610	0.00440	0.00109	0.559	1.36
21_2_4_103	MW-11	Appendix IV	Barium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.673	0.595	0.360	1.20	0.219	0.325	1.10
21_2_4_104	MW-11	Appendix IV	Beryllium	mg/L	18	13	72%	2022-11-29 to 2026-02-17	Lognormal	Nonparametric	0.0000804	0.0000520	0.0000520	0.000440	0.0000911	1.13	4.05
21_2_4_106	MW-11	Appendix IV	Cadmium	mg/L	18	15	83%	2022-11-29 to 2026-02-17		Nonparametric	0.000146	0.0000750	0.0000320	0.000730	0.000176	1.21	2.58
21_2_4_109	MW-11	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.00149	0.000930	0.000450	0.00860	0.00191	1.28	3.46
21_2_4_110	MW-11	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Lognormal	Lognormal	0.000707	0.000445	0.000230	0.00260	0.000693	0.980	2.22
21_2_4_113	MW-11	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.694	0.665	0.210	1.60	0.399	0.575	0.858
21_2_4_115	MW-11	Appendix IV	Lead	mg/L	18	3	17%	2022-11-29 to 2026-02-17	Lognormal	Nonparametric	0.00694	0.000550	0.000170	0.0680	0.0172	2.48	3.18
21_2_4_116	MW-11	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.0737	0.0560	0.00590	0.220	0.0578	0.784	1.21
21_2_4_117	MW-11	Appendix IV	Mercury	ng/L	18	13	72%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	177	160	0.880	1100	240	1.36	3.66
21_2_4_118	MW-11	Appendix IV	Molybdenum	mg/L	18	2	11%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00151	0.00115	0.000430	0.00390	0.00101	0.672	1.04
21_2_4_121	MW-11	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.991	0.852	0.460	1.76	0.371	0.375	0.807
21_2_4_122	MW-11	Appendix IV	Selenium	mg/L	18	3	17%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.000249	0.000220	0.000140	0.000710	0.000134	0.539	2.66
21_2_4_125	MW-11	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-29 to 2026-02-17		Nonparametric	0.000133	0.0000750	0.0000750	0.000380	0.000118	0.884	1.73
21_2_5_111	MW-11	Part 115	Copper	mg/L	18	4	22%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.00188	0.000370	0.000200	0.0190	0.00452	2.40	3.62
21_2_5_114	MW-11	Part 115	Iron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	7.82	7.45	3.60	18.0	3.37	0.431	1.53
21_2_5_119	MW-11	Part 115	Nickel	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.00266	0.00150	0.000650	0.0150	0.00364	1.37	2.94
21_2_5_123	MW-11	Part 115	Silver	mg/L	18	15	83%	2022-11-29 to 2026-02-17		Nonparametric	0.0000894	0.0000500	0.0000500	0.000250	0.0000705	0.788	1.58
21_2_5_128	MW-11	Part 115	Vanadium	mg/L	18	13	72%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Nonparametric	0.000772	0.000620	0.000540	0.00300	0.000564	0.730	4.07
21_2_5_129	MW-11	Part 115	Zinc	mg/L	18	4	22%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Gamma	0.0236	0.00670	0.00120	0.100	0.0283	1.20	1.38
22_2_3_105	MW-12	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.323	0.300	0.190	0.620	0.112	0.345	1.03
22_2_3_107	MW-12	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	66.8	66.5	40.0	99.0	19.0	0.284	0.128
22_2_3_108	MW-12	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Lognormal	Lognormal	18.9	17.5	12.0	27.0	4.43	0.235	0.800
22_2_3_112	MW-12	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Lognormal	Lognormal	0.319	0.285	0.200	0.540	0.100	0.314	0.990
22_2_3_120	MW-12	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	7.65	7.66	7.00	8.32	0.320	0.0418	0.219
22_2_3_124	MW-12	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	99.0	99.5	52.0	180	41.0	0.415	0.642
22_2_3_126	MW-12	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	284	285	100	420	86.2	0.303	-0.306
22_2_4_101	MW-12	Appendix IV	Antimony	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000701	0.000660	0.000170	0.00150	0.000384	0.548	0.851
22_2_4_102	MW-12	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00266	0.00220	0.00140	0.00640	0.00133	0.502	1.71
22_2_4_103	MW-12	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0507	0.0405	0.0170	0.140	0.0345	0.680	1.44
22_2_4_104	MW-12	Appendix IV	Beryllium	mg/L	18	17	94%	2022-11-28 to 2026-02-18		Nonparametric	0.0000528	0.0000520	0.0000520	0.0000660	0.00000330	0.0625	4.24
22_2_4_106	MW-12	Appendix IV	Cadmium	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal	Gamma	0.00227	0.00145	0.000540	0.0110	0.00247	1.09	2.92
22_2_4_109	MW-12	Appendix IV	Chromium, Total	mg/L	18	6	33%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000437	0.000375	0.000200	0.000990	0.000280	0.641	1.06
22_2_4_110	MW-12	Appendix IV	Cobalt	mg/L	18	5	28%	2022-11-28 to 2026-02-18	Gamma; Lognormal	Gamma	0.000480	0.000225	0.000100	0.00280	0.000665	1.39	2.85

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
22_2_4_113	MW-12	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Lognormal	Lognormal	0.319	0.285	0.200	0.540	0.100	0.314	0.990
22_2_4_115	MW-12	Appendix IV	Lead	mg/L	18	6	33%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000282	0.000220	0.000100	0.000800	0.000172	0.610	1.88
22_2_4_116	MW-12	Appendix IV	Lithium	mg/L	18	1	6%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00366	0.00370	0.00190	0.00640	0.00149	0.406	0.280
22_2_4_117	MW-12	Appendix IV	Mercury	ng/L	18	12	67%	2022-11-28 to 2026-02-18	Nonparametric	Nonparametric	129	160	0.830	230	72.0	0.560	-1.21
22_2_4_118	MW-12	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal	Gamma	0.00759	0.00705	0.00420	0.0180	0.00304	0.401	2.44
22_2_4_121	MW-12	Appendix IV	Radium 226 and 228	pCi/L	18	11	61%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Nonparametric	0.643	0.608	0.459	1.09	0.156	0.243	1.55
22_2_4_122	MW-12	Appendix IV	Selenium	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.00131	0.000910	0.000130	0.00450	0.00133	1.01	1.45
22_2_4_125	MW-12	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-28 to 2026-02-18		Nonparametric	0.0000750	0.0000750	0.0000750	0.0000750	0	0	NA
22_2_5_111	MW-12	Part 115	Copper	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00150	0.00125	0.000550	0.00350	0.000828	0.552	1.52
22_2_5_114	MW-12	Part 115	Iron	mg/L	18	6	33%	2022-11-28 to 2026-02-18	Lognormal	Nonparametric	0.130	0.0420	0.0210	0.920	0.221	1.69	3.08
22_2_5_119	MW-12	Part 115	Nickel	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal	Gamma	0.00301	0.00275	0.00140	0.00730	0.00153	0.508	1.82
22_2_5_123	MW-12	Part 115	Silver	mg/L	18	18	100%	2022-11-28 to 2026-02-18		Nonparametric	0.0000500	0.0000500	0.0000500	0.0000500	0	0	NA
22_2_5_128	MW-12	Part 115	Vanadium	mg/L	18	6	33%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000942	0.000860	0.000460	0.00210	0.000416	0.442	1.47
22_2_5_129	MW-12	Part 115	Zinc	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal	Gamma	0.0104	0.00825	0.00270	0.0230	0.00613	0.587	1.12
26_1_3_105	MW-16	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.351	0.340	0.220	0.500	0.0970	0.276	0.189
26_1_3_107	MW-16	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	240	240	190	280	26.7	0.111	-0.539
26_1_3_108	MW-16	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	19.8	20.5	14.0	23.0	3.20	0.162	-0.783
26_1_3_112	MW-16	Appendix III	Fluoride	mg/L	8	1	12%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.149	0.155	0.0550	0.190	0.0443	0.296	-1.50
26_1_3_120	MW-16	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-19	Nonparametric	Nonparametric	7.02	7.11	6.53	7.30	0.309	0.0441	-0.457
26_1_3_124	MW-16	Appendix III	Sulfate (as SO4)	mg/L	8	2	25%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Gamma	54.1	34.4	1.10	140	59.6	1.10	0.526
26_1_3_126	MW-16	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	799	810	680	910	77.2	0.0966	-0.426
26_1_4_101	MW-16	Appendix IV	Antimony	mg/L	8	7	88%	2024-04-08 to 2026-02-19		Nonparametric	0.000101	0.000100	0.000100	0.000110	0.00000354	0.0349	2.83
26_1_4_102	MW-16	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal	Gamma	0.00801	0.00485	0.00120	0.0230	0.00771	0.963	1.46
26_1_4_103	MW-16	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.237	0.240	0.180	0.290	0.0456	0.192	-0.194
26_1_4_104	MW-16	Appendix IV	Beryllium	mg/L	8	7	88%	2024-04-08 to 2026-02-19		Nonparametric	0.0000523	0.0000520	0.0000520	0.0000540	0.000000707	0.0135	2.83
26_1_4_106	MW-16	Appendix IV	Cadmium	mg/L	8	8	100%	2024-04-08 to 2026-02-19		Nonparametric	0.0000750	0.0000750	0.0000750	0.0000750	0	0	NA
26_1_4_109	MW-16	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00102	0.000745	0.000510	0.00220	0.000597	0.583	1.25
26_1_4_110	MW-16	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal	Gamma	0.000226	0.000200	0.000160	0.000390	0.0000791	0.350	1.60
26_1_4_113	MW-16	Appendix IV	Fluoride (App IV)	mg/L	8	1	12%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.149	0.155	0.0550	0.190	0.0443	0.296	-1.50
26_1_4_115	MW-16	Appendix IV	Lead	mg/L	8	5	62%	2024-04-08 to 2026-02-19		Nonparametric	0.000138	0.000100	0.000100	0.000280	0.0000656	0.477	1.87
26_1_4_116	MW-16	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0222	0.0225	0.0160	0.0270	0.00362	0.162	-0.462
26_1_4_117	MW-16	Appendix IV	Mercury	ng/L	8	6	75%	2024-04-08 to 2026-02-19		Nonparametric	80.1	80.2	0.160	160	85.4	1.07	-0.00000365
26_1_4_118	MW-16	Appendix IV	Molybdenum	mg/L	8	8	100%	2024-04-08 to 2026-02-19		Nonparametric	0.000250	0.000250	0.000250	0.000250	0	0	NA
26_1_4_121	MW-16	Appendix IV	Radium 226 and 228	pCi/L	8	4	50%	2024-04-08 to 2026-02-19		Nonparametric	0.707	0.633	0.525	1.16	0.195	0.276	2.17
26_1_4_122	MW-16	Appendix IV	Selenium	mg/L	8	1	12%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000148	0.000140	0.000100	0.000250	0.0000474	0.322	1.61
26_1_4_125	MW-16	Appendix IV	Thallium	mg/L	8	8	100%	2024-04-08 to 2026-02-19		Nonparametric	0.0000750	0.0000750	0.0000750	0.0000750	0	0	NA
26_1_5_111	MW-16	Part 115	Copper	mg/L	8	4	50%	2024-04-08 to 2026-02-19		Nonparametric	0.000251	0.000225	0.000200	0.000350	0.0000610	0.243	0.622
26_1_5_114	MW-16	Part 115	Iron	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Normal	Normal	7.39	6.90	0.990	13.0	3.82	0.517	-0.0221
26_1_5_119	MW-16	Part 115	Nickel	mg/L	8	1	12%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Gamma	0.00277	0.00135	0.000550	0.00880	0.00305	1.10	1.46
26_1_5_123	MW-16	Part 115	Silver	mg/L	8	8	100%	2024-04-08 to 2026-02-19		Nonparametric	0.0000500	0.0000500	0.0000500	0.0000500	0	0	NA
26_1_5_128	MW-16	Part 115	Vanadium	mg/L	8	3	38%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000720	0.000640	0.000380	0.00110	0.000231	0.321	0.531
26_1_5_129	MW-16	Part 115	Zinc	mg/L	8	2	25%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Gamma	0.00893	0.00660	0.000870	0.0260	0.00935	1.05	0.818

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
27_1_3_105	MW-17	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.721	0.770	0.320	1.00	0.231	0.320	-0.634
27_1_3_107	MW-17	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	135	135	98.0	160	19.8	0.147	-0.730
27_1_3_108	MW-17	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Normal	Normal	33.6	34.0	10.0	47.0	10.9	0.325	-1.46
27_1_3_112	MW-17	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.596	0.605	0.380	0.750	0.129	0.217	-0.416
27_1_3_120	MW-17	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	7.57	7.53	7.31	7.88	0.188	0.0248	0.387
27_1_3_124	MW-17	Appendix III	Sulfate (as SO4)	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	16	6.05	0.580	50.0	18.4	1.15	1.07
27_1_3_126	MW-17	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Nonparametric	Nonparametric	572	610	360	620	88.8	0.155	-2.49
27_1_4_101	MW-17	Appendix IV	Antimony	mg/L	8	6	75%	2024-04-08 to 2026-02-18		Nonparametric	0.000282	0.000100	0.000100	0.00150	0.000492	1.74	2.82
27_1_4_102	MW-17	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00187	0.00190	0.00120	0.00260	0.000537	0.286	-0.000925
27_1_4_103	MW-17	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.634	0.625	0.280	0.900	0.197	0.310	-0.382
27_1_4_104	MW-17	Appendix IV	Beryllium	mg/L	8	7	88%	2024-04-08 to 2026-02-18		Nonparametric	0.0000541	0.0000520	0.0000520	0.0000690	0.00000601	0.111	2.83
27_1_4_106	MW-17	Appendix IV	Cadmium	mg/L	8	7	88%	2024-04-08 to 2026-02-18		Nonparametric	0.0000794	0.0000750	0.0000750	0.000110	0.0000124	0.156	2.83
27_1_4_109	MW-17	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal	Gamma	0.000971	0.000785	0.000550	0.00240	0.000604	0.622	2.37
27_1_4_110	MW-17	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000452	0.000385	0.000300	0.000890	0.000195	0.430	1.94
27_1_4_113	MW-17	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.596	0.605	0.380	0.750	0.129	0.217	-0.416
27_1_4_115	MW-17	Appendix IV	Lead	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000345	0.000305	0.000100	0.000770	0.000234	0.679	0.759
27_1_4_116	MW-17	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0318	0.0340	0.0160	0.0430	0.00810	0.255	-0.879
27_1_4_117	MW-17	Appendix IV	Mercury	ng/L	8	6	75%	2024-04-08 to 2026-02-18		Nonparametric	80.4	81.2	0.160	160	85.1	1.06	-0.000291
27_1_4_118	MW-17	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Nonparametric	Nonparametric	0.00254	0.000785	0.000420	0.0130	0.00431	1.70	2.63
27_1_4_121	MW-17	Appendix IV	Radium 226 and 228	pCi/L	8	2	25%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.837	0.824	0.530	1.28	0.240	0.287	0.599
27_1_4_122	MW-17	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Nonparametric	Nonparametric	0.000331	0.000175	0.000110	0.00150	0.000474	1.43	2.80
27_1_4_125	MW-17	Appendix IV	Thallium	mg/L	8	8	100%	2024-04-08 to 2026-02-18		Nonparametric	0.0000750	0.0000750	0.0000750	0.0000750	0	0	NA
27_1_5_111	MW-17	Part 115	Copper	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal	Gamma	0.00149	0.000940	0.000200	0.00630	0.00200	1.34	2.54
27_1_5_114	MW-17	Part 115	Iron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	4.22	4.25	1.90	6.60	1.33	0.314	0.0545
27_1_5_119	MW-17	Part 115	Nickel	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Lognormal	Lognormal	0.00216	0.00115	0.000850	0.00860	0.00263	1.22	2.72
27_1_5_123	MW-17	Part 115	Silver	mg/L	8	8	100%	2024-04-08 to 2026-02-18		Nonparametric	0.0000500	0.0000500	0.0000500	0.0000500	0	0	NA
27_1_5_128	MW-17	Part 115	Vanadium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000812	0.000805	0.000510	0.00130	0.000247	0.303	0.976
27_1_5_129	MW-17	Part 115	Zinc	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal	Gamma	0.0209	0.00730	0.00200	0.0740	0.0261	1.25	1.48
28_1_3_105	MW-18	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	3.11	3.05	1.80	4.40	0.909	0.293	0.0286
28_1_3_107	MW-18	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	328	330	240	450	63.6	0.194	0.105
28_1_3_108	MW-18	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	22.6	23.5	13.0	32.0	4.88	0.216	-0.210
28_1_3_112	MW-18	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	3.94	3.80	2.70	5.10	0.705	0.179	0.198
28_1_3_120	MW-18	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	7.19	7.18	7.02	7.31	0.0811	0.0113	-0.459
28_1_3_124	MW-18	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	781	755	370	1200	223	0.285	0.456
28_1_3_126	MW-18	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	1327	1350	860	1800	251	0.189	0.0238
28_1_4_101	MW-18	Appendix IV	Antimony	mg/L	18	3	17%	2022-11-30 to 2026-02-19	Lognormal	Lognormal	0.000260	0.000155	0.000100	0.00100	0.000228	0.878	2.27
28_1_4_102	MW-18	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0277	0.0285	0.0150	0.0440	0.00766	0.276	0.488
28_1_4_103	MW-18	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0203	0.0210	0.0120	0.0340	0.00608	0.299	0.455
28_1_4_104	MW-18	Appendix IV	Beryllium	mg/L	18	14	78%	2022-11-30 to 2026-02-19		Nonparametric	0.0000530	0.0000520	0.0000520	0.0000600	0.00000243	0.0458	2.53
28_1_4_106	MW-18	Appendix IV	Cadmium	mg/L	18	7	39%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.000247	0.000170	0.0000750	0.000900	0.000235	0.951	1.81
28_1_4_109	MW-18	Appendix IV	Chromium, Total	mg/L	18	16	89%	2022-11-30 to 2026-02-19		Nonparametric	0.000221	0.000200	0.000180	0.000630	0.000103	0.467	4.08
28_1_4_110	MW-18	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Lognormal	Lognormal	0.00258	0.00200	0.00110	0.00600	0.00142	0.548	1.51

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
28_1_4_113	MW-18	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	3.94	3.80	2.70	5.10	0.705	0.179	0.198
28_1_4_115	MW-18	Appendix IV	Lead	mg/L	18	11	61%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000267	0.000220	0.000100	0.00110	0.000241	0.902	2.75
28_1_4_116	MW-18	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0352	0.0375	0.0200	0.0450	0.00755	0.215	-0.395
28_1_4_117	MW-18	Appendix IV	Mercury	ng/L	18	15	83%	2022-11-30 to 2026-02-19		Nonparametric	125	160	0.160	160	68.1	0.547	-1.46
28_1_4_118	MW-18	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0159	0.0145	0.00900	0.0280	0.00475	0.298	0.875
28_1_4_121	MW-18	Appendix IV	Radium 226 and 228	pCi/L	18	10	56%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Nonparametric	0.653	0.611	0.462	1.27	0.184	0.281	2.44
28_1_4_122	MW-18	Appendix IV	Selenium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000739	0.000470	0.000140	0.00230	0.000679	0.918	1.16
28_1_4_125	MW-18	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	0.000131	0.0000750	0.0000750	0.000380	0.000117	0.892	1.85
28_1_5_111	MW-18	Part 115	Copper	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.000757	0.000515	0.000330	0.00210	0.000507	0.670	1.69
28_1_5_114	MW-18	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	6.30	6.00	3.30	10.0	1.64	0.260	0.442
28_1_5_119	MW-18	Part 115	Nickel	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.00644	0.00560	0.00320	0.0110	0.00240	0.373	0.887
28_1_5_123	MW-18	Part 115	Silver	mg/L	18	18	100%	2022-11-30 to 2026-02-19		Nonparametric	0.0000833	0.0000500	0.0000500	0.000250	0.0000767	0.920	1.96
28_1_5_128	MW-18	Part 115	Vanadium	mg/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	0.000568	0.000620	0.000280	0.000620	0.000121	0.213	-2.03
28_1_5_129	MW-18	Part 115	Zinc	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.0606	0.0465	0.0160	0.210	0.0461	0.760	2.31
29_1_3_105	MW-19	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	2.15	2.10	1.50	3.40	0.503	0.234	0.715
29_1_3_107	MW-19	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	456	465	360	550	54.7	0.120	-0.255
29_1_3_108	MW-19	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	41.0	38.5	21.0	75.0	15	0.365	0.867
29_1_3_112	MW-19	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.84	1.90	1.40	2.30	0.270	0.147	-0.00351
29_1_3_120	MW-19	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	6.81	6.83	6.39	7.07	0.158	0.0232	-0.892
29_1_3_124	MW-19	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	974	950	600	1300	184	0.189	0.170
29_1_3_126	MW-19	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1817	1750	1400	2200	248	0.136	0.333
29_1_4_101	MW-19	Appendix IV	Antimony	mg/L	18	12	67%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Nonparametric	0.000252	0.000105	0.0000500	0.000720	0.000222	0.882	0.904
29_1_4_102	MW-19	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00462	0.00435	0.00120	0.00730	0.00187	0.405	-0.110
29_1_4_103	MW-19	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0387	0.0380	0.0300	0.0500	0.00548	0.141	0.438
29_1_4_104	MW-19	Appendix IV	Beryllium	mg/L	18	3	17%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0000904	0.0000810	0.0000520	0.000260	0.0000476	0.527	2.87
29_1_4_106	MW-19	Appendix IV	Cadmium	mg/L	18	16	89%	2022-11-30 to 2026-02-18		Nonparametric	0.000133	0.0000750	0.0000320	0.000380	0.000115	0.864	1.35
29_1_4_109	MW-19	Appendix IV	Chromium, Total	mg/L	18	5	28%	2022-11-30 to 2026-02-18	Gamma; Lognormal	Gamma	0.000297	0.000260	0.000180	0.000880	0.000167	0.562	2.89
29_1_4_110	MW-19	Appendix IV	Cobalt	mg/L	18	1	6%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000574	0.000480	0.000100	0.00130	0.000357	0.622	0.563
29_1_4_113	MW-19	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.84	1.90	1.40	2.30	0.270	0.147	-0.00351
29_1_4_115	MW-19	Appendix IV	Lead	mg/L	18	18	100%	2022-11-30 to 2026-02-18		Nonparametric	0.000391	0.000220	0.000100	0.00110	0.000368	0.941	1.15
29_1_4_116	MW-19	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0890	0.0885	0.0730	0.110	0.0111	0.124	0.394
29_1_4_117	MW-19	Appendix IV	Mercury	ng/L	18	16	89%	2022-11-30 to 2026-02-18		Nonparametric	124	160	0.160	160	68.4	0.549	-1.46
29_1_4_118	MW-19	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0120	0.0110	0.00390	0.0210	0.00479	0.399	0.454
29_1_4_121	MW-19	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.767	0.692	0.514	1.17	0.227	0.295	0.584
29_1_4_122	MW-19	Appendix IV	Selenium	mg/L	18	11	61%	2022-11-30 to 2026-02-18	Nonparametric	Nonparametric	0.000422	0.000140	0.000100	0.00360	0.000834	1.97	3.66
29_1_4_125	MW-19	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-30 to 2026-02-18		Nonparametric	0.000213	0.0000975	0.0000750	0.000380	0.000154	0.723	0.231
29_1_5_111	MW-19	Part 115	Copper	mg/L	18	14	78%	2022-11-30 to 2026-02-18		Nonparametric	0.000267	0.000200	0.000200	0.00100	0.000192	0.718	3.70
29_1_5_114	MW-19	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	15.7	15.5	8.20	24.0	4.16	0.265	0.0695
29_1_5_119	MW-19	Part 115	Nickel	mg/L	18	1	6%	2022-11-30 to 2026-02-18	Lognormal	Lognormal	0.00391	0.00255	0.00110	0.0170	0.00437	1.12	2.50
29_1_5_123	MW-19	Part 115	Silver	mg/L	18	18	100%	2022-11-30 to 2026-02-18		Nonparametric	0.0000944	0.0000500	0.0000500	0.000250	0.0000856	0.906	1.46
29_1_5_128	MW-19	Part 115	Vanadium	mg/L	18	14	78%	2022-11-30 to 2026-02-18		Nonparametric	0.000773	0.000620	0.000550	0.00310	0.000586	0.758	4.12
29_1_5_129	MW-19	Part 115	Zinc	mg/L	18	10	56%	2022-11-30 to 2026-02-18	Nonparametric	Nonparametric	0.0119	0.00145	0.00120	0.100	0.0285	2.39	2.77

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
30_1_3_105	MW-20	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	1.00	0.960	0.720	1.40	0.213	0.213	0.642
30_1_3_107	MW-20	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Normal	Normal	126	130	58.0	170	23.1	0.184	-1.12
30_1_3_108	MW-20	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	56.8	62.0	23.0	92.0	21.2	0.373	-0.124
30_1_3_112	MW-20	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.258	0.250	0.120	0.550	0.0833	0.322	2.51
30_1_3_120	MW-20	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	7.34	7.34	7.14	7.50	0.104	0.0141	-0.361
30_1_3_124	MW-20	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	58.0	51.0	18.0	120	30.7	0.530	0.524
30_1_3_126	MW-20	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Normal	Normal	636	650	340	840	110	0.173	-0.809
30_1_4_101	MW-20	Appendix IV	Antimony	mg/L	18	7	39%	2022-11-30 to 2026-02-19	Lognormal	Lognormal	0.000132	0.000100	0.0000540	0.000650	0.000132	0.997	3.98
30_1_4_102	MW-20	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00142	0.00140	0.00100	0.00190	0.000294	0.207	0.285
30_1_4_103	MW-20	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.510	0.465	0.310	0.940	0.163	0.320	1.42
30_1_4_104	MW-20	Appendix IV	Beryllium	mg/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	0.0000524	0.0000520	0.0000520	0.0000590	0.00000165	0.0315	4.24
30_1_4_106	MW-20	Appendix IV	Cadmium	mg/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	0.0000806	0.0000750	0.0000320	0.000390	0.0000797	0.989	3.80
30_1_4_109	MW-20	Appendix IV	Chromium, Total	mg/L	18	9	50%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.000307	0.000200	0.000180	0.00190	0.000398	1.30	4.21
30_1_4_110	MW-20	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00119	0.00110	0.000690	0.00180	0.000300	0.253	0.370
30_1_4_113	MW-20	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.258	0.250	0.120	0.550	0.0833	0.322	2.51
30_1_4_115	MW-20	Appendix IV	Lead	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.00226	0.00190	0.00120	0.00780	0.00146	0.645	3.54
30_1_4_116	MW-20	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0569	0.0590	0.0290	0.0830	0.0154	0.271	-0.233
30_1_4_117	MW-20	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-30 to 2026-02-19		Nonparametric	126	160	1.90	160	66	0.525	-1.46
30_1_4_118	MW-20	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00432	0.00430	0.00310	0.00580	0.000723	0.167	0.145
30_1_4_121	MW-20	Appendix IV	Radium 226 and 228	pCi/L	17	8	47%	2022-11-30 to 2026-02-19	Lognormal	Lognormal	0.712	0.590	0.467	1.47	0.285	0.400	1.63
30_1_4_122	MW-20	Appendix IV	Selenium	mg/L	18	10	56%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.000165	0.000120	0.000100	0.000430	0.0000883	0.535	1.73
30_1_4_125	MW-20	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	0.0000769	0.0000750	0.0000750	0.000110	0.00000825	0.107	4.24
30_1_5_111	MW-20	Part 115	Copper	mg/L	18	2	11%	2022-11-30 to 2026-02-19	Lognormal	Lognormal	0.000516	0.000315	0.000200	0.00330	0.000714	1.39	3.88
30_1_5_114	MW-20	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	17.9	18.0	12.0	22.0	2.89	0.161	-0.403
30_1_5_119	MW-20	Part 115	Nickel	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.00955	0.00875	0.00450	0.0340	0.00629	0.659	3.81
30_1_5_123	MW-20	Part 115	Silver	mg/L	18	18	100%	2022-11-30 to 2026-02-19		Nonparametric	0.0000500	0.0000500	0.0000500	0.0000500	0	0	NA
30_1_5_128	MW-20	Part 115	Vanadium	mg/L	18	18	100%	2022-11-30 to 2026-02-19		Nonparametric	0.000563	0.000620	0.000280	0.000620	0.000130	0.231	-1.96
30_1_5_129	MW-20	Part 115	Zinc	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.0375	0.0280	0.0130	0.110	0.0249	0.665	1.67
38_1_3_105	MW-28	Appendix III	Boron	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	3.48	3.25	0.340	6.10	2.01	0.579	-0.116
38_1_3_107	MW-28	Appendix III	Calcium	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	175	170	120	230	33.4	0.191	0.184
38_1_3_108	MW-28	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	131	165	18.0	240	78.5	0.600	-0.333
38_1_3_112	MW-28	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.19	1.18	0.400	2.00	0.487	0.410	0.0698
38_1_3_120	MW-28	Appendix III	pH (field)	su	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	6.90	6.92	6.63	7.02	0.122	0.0177	-1.70
38_1_3_124	MW-28	Appendix III	Sulfate (as SO4)	mg/L	8	2	25%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	19.8	6.60	0.650	57.0	23.7	1.20	0.714
38_1_3_126	MW-28	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	805	860	480	1100	200	0.248	-0.327
38_1_4_101	MW-28	Appendix IV	Antimony	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal	Gamma	0.000519	0.000240	0.000140	0.00210	0.000667	1.29	2.42
38_1_4_102	MW-28	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00168	0.00140	0.000760	0.00380	0.000950	0.565	1.84
38_1_4_103	MW-28	Appendix IV	Barium	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Nonparametric	Nonparametric	0.578	0.725	0.150	0.760	0.240	0.415	-1.00
38_1_4_104	MW-28	Appendix IV	Beryllium	mg/L	8	8	100%	2024-04-07 to 2026-02-18		Nonparametric	0.0000520	0.0000520	0.0000520	0.0000520	0	0	NA
38_1_4_106	MW-28	Appendix IV	Cadmium	mg/L	8	5	62%	2024-04-07 to 2026-02-18		Nonparametric	0.000531	0.0000750	0.0000750	0.00370	0.00128	2.41	2.83
38_1_4_109	MW-28	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00900	0.00850	0.00180	0.0170	0.00503	0.558	0.379
38_1_4_110	MW-28	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00134	0.000970	0.000240	0.00310	0.00110	0.818	0.643

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
38_1_4_113	MW-28	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.19	1.18	0.400	2.00	0.487	0.410	0.0698
38_1_4_115	MW-28	Appendix IV	Lead	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.00275	0.00140	0.000340	0.00760	0.00259	0.942	1.10
38_1_4_116	MW-28	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.0928	0.102	0.00460	0.150	0.0533	0.574	-0.478
38_1_4_117	MW-28	Appendix IV	Mercury	ng/L	8	3	38%	2024-04-07 to 2026-02-18	Gamma; Lognormal	Gamma	96.1	98.5	0.550	240	94.0	0.978	0.275
38_1_4_118	MW-28	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00291	0.00205	0.000540	0.00870	0.00262	0.898	1.84
38_1_4_122	MW-28	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Nonparametric	Nonparametric	0.000459	0.000285	0.000240	0.00170	0.000502	1.09	2.82
38_1_4_125	MW-28	Appendix IV	Thallium	mg/L	8	8	100%	2024-04-07 to 2026-02-18		Nonparametric	0.0000750	0.0000750	0.0000750	0.0000750	0	0	NA
38_1_5_111	MW-28	Part 115	Copper	mg/L	8	1	12%	2024-04-07 to 2026-02-18	Lognormal	Nonparametric	0.00189	0.000725	0.000200	0.00980	0.00323	1.71	2.72
38_1_5_114	MW-28	Part 115	Iron	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Normal	Normal	33.8	38.0	1.50	47.0	15.1	0.446	-1.60
38_1_5_119	MW-28	Part 115	Nickel	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.00366	0.00300	0.000460	0.00730	0.00281	0.769	0.330
38_1_5_123	MW-28	Part 115	Silver	mg/L	8	8	100%	2024-04-07 to 2026-02-18		Nonparametric	0.0000500	0.0000500	0.0000500	0.0000500	0	0	NA
38_1_5_128	MW-28	Part 115	Vanadium	mg/L	8	2	25%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000656	0.000630	0.000500	0.000800	0.0000918	0.140	-0.0574
38_1_5_129	MW-28	Part 115	Zinc	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.0710	0.0390	0.00140	0.280	0.0928	1.31	1.97
40_1_3_105	MW-30	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Lognormal	Lognormal	1.94	1.90	1.40	3.50	0.442	0.228	2.69
40_1_3_107	MW-30	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	498	465	62.0	960	179	0.360	0.355
40_1_3_108	MW-30	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	408	190	82.0	1200	426	1.05	1.05
40_1_3_112	MW-30	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	1.07	1.10	0.570	1.40	0.179	0.167	-1.16
40_1_3_120	MW-30	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	7.05	7.07	6.48	7.25	0.180	0.0255	-2.03
40_1_3_124	MW-30	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Normal	Normal	833	855	440	1000	167	0.200	-1.07
40_1_3_126	MW-30	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	2633	2300	1800	4300	759	0.288	1.27
40_1_4_101	MW-30	Appendix IV	Antimony	mg/L	18	14	78%	2022-11-30 to 2026-02-16		Nonparametric	0.000296	0.000100	0.0000500	0.00120	0.000303	1.02	1.70
40_1_4_102	MW-30	Appendix IV	Arsenic	mg/L	18	2	11%	2022-11-30 to 2026-02-16	Gamma; Lognormal	Gamma	0.00123	0.000540	0.000100	0.00800	0.00187	1.52	3.15
40_1_4_103	MW-30	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.0702	0.0665	0.0410	0.110	0.0215	0.306	0.457
40_1_4_104	MW-30	Appendix IV	Beryllium	mg/L	18	14	78%	2022-11-30 to 2026-02-16		Nonparametric	0.0000799	0.0000520	0.0000520	0.000260	0.0000670	0.838	2.52
40_1_4_106	MW-30	Appendix IV	Cadmium	mg/L	18	17	94%	2022-11-30 to 2026-02-16		Nonparametric	0.000142	0.0000750	0.0000320	0.000380	0.000128	0.904	1.25
40_1_4_109	MW-30	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.00941	0.00840	0.00310	0.0230	0.00461	0.490	1.45
40_1_4_110	MW-30	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.00403	0.00110	0.000470	0.0460	0.0106	2.62	4.13
40_1_4_113	MW-30	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	1.07	1.10	0.570	1.40	0.179	0.167	-1.16
40_1_4_115	MW-30	Appendix IV	Lead	mg/L	18	16	89%	2022-11-30 to 2026-02-16		Nonparametric	0.00379	0.000500	0.000100	0.0580	0.0135	3.58	4.24
40_1_4_116	MW-30	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.139	0.125	0.0860	0.270	0.0426	0.306	1.83
40_1_4_117	MW-30	Appendix IV	Mercury	ng/L	18	16	89%	2022-11-30 to 2026-02-16		Nonparametric	137	160	0.160	390	92.6	0.675	0.499
40_1_4_118	MW-30	Appendix IV	Molybdenum	mg/L	18	3	17%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.00420	0.00125	0.000320	0.0320	0.00814	1.94	2.98
40_1_4_121	MW-30	Appendix IV	Radium 226 and 228	pCi/L	18	10	56%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Nonparametric	0.712	0.677	0.445	1.12	0.180	0.253	0.551
40_1_4_122	MW-30	Appendix IV	Selenium	mg/L	18	7	39%	2022-11-30 to 2026-02-16	Lognormal	Lognormal	0.000323	0.000210	0.000100	0.00150	0.000376	1.17	2.53
40_1_4_125	MW-30	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-30 to 2026-02-16		Nonparametric	0.000278	0.000380	0.0000750	0.000380	0.000148	0.532	-0.773
40_1_5_111	MW-30	Part 115	Copper	mg/L	18	12	67%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.00103	0.000200	0.000200	0.0130	0.00300	2.90	4.19
40_1_5_114	MW-30	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal	Gamma	3.83	2.70	0.870	17.0	3.86	1.01	2.63
40_1_5_119	MW-30	Part 115	Nickel	mg/L	18	3	17%	2022-11-30 to 2026-02-16	Lognormal	Nonparametric	0.00895	0.00185	0.000650	0.110	0.0254	2.84	4.15
40_1_5_123	MW-30	Part 115	Silver	mg/L	18	17	94%	2022-11-30 to 2026-02-16		Nonparametric	0.000109	0.0000500	0.0000500	0.000250	0.0000912	0.833	0.993
40_1_5_128	MW-30	Part 115	Vanadium	mg/L	18	15	83%	2022-11-30 to 2026-02-16		Nonparametric	0.00217	0.000620	0.000420	0.0240	0.00551	2.53	4.10
40_1_5_129	MW-30	Part 115	Zinc	mg/L	18	10	56%	2022-11-30 to 2026-02-16	Gamma; Lognormal	Nonparametric	0.0130	0.00120	0.00110	0.100	0.0278	2.14	2.64
41_1_3_105	MW-31	Appendix III	Boron	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Normal	4.96	4.65	3.60	7.00	0.971	0.196	0.781

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
41_1_3_107	MW-31	Appendix III	Calcium	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Lognormal	Lognormal	177	170	130	330	43.8	0.248	2.66
41_1_3_108	MW-31	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	111	105	87.0	170	23.2	0.209	1.98
41_1_3_112	MW-31	Appendix III	Fluoride	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	4.48	4.60	2.80	5.20	0.608	0.136	-1.63
41_1_3_120	MW-31	Appendix III	pH (field)	su	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Normal	7.83	7.81	7.59	8.08	0.131	0.0167	0.368
41_1_3_124	MW-31	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal	Gamma	173	155	19.0	650	141	0.814	2.40
41_1_3_126	MW-31	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	853	810	730	1500	176	0.206	3.22
41_1_4_101	MW-31	Appendix IV	Antimony	mg/L	18	7	39%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Gamma	0.000292	0.000110	0.0000500	0.00110	0.000340	1.16	1.74
41_1_4_102	MW-31	Appendix IV	Arsenic	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	0.00167	0.00120	0.000730	0.00820	0.00166	0.992	4.01
41_1_4_103	MW-31	Appendix IV	Barium	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.186	0.170	0.0990	0.380	0.0693	0.372	1.42
41_1_4_104	MW-31	Appendix IV	Beryllium	mg/L	18	15	83%	2022-12-01 to 2026-02-16		Nonparametric	0.0000567	0.0000520	0.0000520	0.0000960	0.0000133	0.234	2.73
41_1_4_106	MW-31	Appendix IV	Cadmium	mg/L	18	17	94%	2022-12-01 to 2026-02-16		Nonparametric	0.0000636	0.0000750	0.0000320	0.0000840	0.0000202	0.319	-1.04
41_1_4_109	MW-31	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.00254	0.00230	0.00170	0.00410	0.000780	0.307	1.02
41_1_4_110	MW-31	Appendix IV	Cobalt	mg/L	18	3	17%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	0.000226	0.000170	0.000100	0.00110	0.000228	1.01	3.68
41_1_4_113	MW-31	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	4.48	4.60	2.80	5.20	0.608	0.136	-1.63
41_1_4_115	MW-31	Appendix IV	Lead	mg/L	18	13	72%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Nonparametric	0.000200	0.000220	0.000100	0.000450	0.000114	0.568	1.04
41_1_4_116	MW-31	Appendix IV	Lithium	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.0507	0.0520	0.0300	0.0730	0.00957	0.189	0.0814
41_1_4_117	MW-31	Appendix IV	Mercury	ng/L	18	14	78%	2022-12-01 to 2026-02-16		Nonparametric	125	160	0.710	160	67.8	0.543	-1.46
41_1_4_118	MW-31	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	0.00240	0.00125	0.000400	0.0130	0.00328	1.37	2.74
41_1_4_121	MW-31	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	2022-12-01 to 2026-02-16	Gamma; Lognormal	Gamma	0.727	0.658	0.497	1.23	0.219	0.301	1.31
41_1_4_122	MW-31	Appendix IV	Selenium	mg/L	18	6	33%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	0.00230	0.000190	0.000100	0.0380	0.00891	3.87	4.24
41_1_4_125	MW-31	Appendix IV	Thallium	mg/L	18	17	94%	2022-12-01 to 2026-02-16		Nonparametric	0.0000757	0.0000750	0.0000750	0.0000880	0.00000306	0.0405	4.24
41_1_5_111	MW-31	Part 115	Copper	mg/L	18	10	56%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	0.000487	0.000200	0.000200	0.00320	0.000762	1.56	3.21
41_1_5_114	MW-31	Part 115	Iron	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal	Gamma	0.984	0.580	0.120	5.70	1.34	1.37	2.83
41_1_5_119	MW-31	Part 115	Nickel	mg/L	18	10	56%	2022-12-01 to 2026-02-16	Gamma; Lognormal	Nonparametric	0.0548	0.000650	0.000650	0.640	0.157	2.86	3.51
41_1_5_123	MW-31	Part 115	Silver	mg/L	18	18	100%	2022-12-01 to 2026-02-16		Nonparametric	0.0000500	0.0000500	0.0000500	0.0000500	0	0	NA
41_1_5_128	MW-31	Part 115	Vanadium	mg/L	18	12	67%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Nonparametric	0.000633	0.000620	0.000450	0.000830	0.0000750	0.118	0.557
41_1_5_129	MW-31	Part 115	Zinc	mg/L	18	9	50%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Nonparametric	0.00489	0.00130	0.00120	0.0290	0.00716	1.47	2.57
42_1_3_105	MW-32	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	3.74	3.40	2.60	5.70	0.994	0.266	0.911
42_1_3_107	MW-32	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	174	175	130	230	27.1	0.155	0.389
42_1_3_108	MW-32	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	46.8	47.0	38.0	61.0	5.54	0.118	0.663
42_1_3_112	MW-32	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	1.48	1.50	1.10	1.90	0.196	0.132	0.138
42_1_3_120	MW-32	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	7.61	7.61	7.50	7.75	0.0711	0.00935	0.147
42_1_3_124	MW-32	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Gamma	81.3	68.5	5.90	240	71.9	0.884	0.703
42_1_3_126	MW-32	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	691	685	550	850	90.6	0.131	0.0308
42_1_4_101	MW-32	Appendix IV	Antimony	mg/L	18	14	78%	2022-11-30 to 2026-02-16		Nonparametric	0.000127	0.000100	0.0000500	0.000700	0.000145	1.14	4.09
42_1_4_102	MW-32	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.000616	0.000515	0.000380	0.00240	0.000452	0.734	4.02
42_1_4_103	MW-32	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.651	0.585	0.0590	1.40	0.361	0.555	0.669
42_1_4_104	MW-32	Appendix IV	Beryllium	mg/L	18	17	94%	2022-11-30 to 2026-02-16		Nonparametric	0.0000530	0.0000520	0.0000520	0.0000700	0.00000424	0.0800	4.24
42_1_4_106	MW-32	Appendix IV	Cadmium	mg/L	18	16	89%	2022-11-30 to 2026-02-16		Nonparametric	0.0000764	0.0000750	0.0000320	0.000200	0.0000473	0.619	1.82
42_1_4_109	MW-32	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.000554	0.000380	0.000310	0.00300	0.000618	1.11	4.07
42_1_4_110	MW-32	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Lognormal	Lognormal	0.000506	0.000400	0.000210	0.00190	0.000371	0.733	3.42
42_1_4_113	MW-32	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	1.48	1.50	1.10	1.90	0.196	0.132	0.138

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
42_1_4_115	MW-32	Appendix IV	Lead	mg/L	18	13	72%	2022-11-30 to 2026-02-16	Lognormal; Normal	Nonparametric	0.000186	0.000130	0.000100	0.000420	0.000110	0.591	1.16
42_1_4_116	MW-32	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.133	0.130	0.0940	0.200	0.0322	0.243	0.667
42_1_4_117	MW-32	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-30 to 2026-02-16		Nonparametric	221	160	0.160	1900	424	1.92	4.06
42_1_4_118	MW-32	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.00376	0.00380	0.00110	0.00730	0.00141	0.374	0.421
42_1_4_121	MW-32	Appendix IV	Radium 226 and 228	pCi/L	18	9	50%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Nonparametric	0.667	0.611	0.497	0.985	0.138	0.206	0.998
42_1_4_122	MW-32	Appendix IV	Selenium	mg/L	18	14	78%	2022-11-30 to 2026-02-16		Nonparametric	0.000187	0.000100	0.000100	0.00100	0.000210	1.12	3.80
42_1_4_125	MW-32	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-30 to 2026-02-16		Nonparametric	0.0000750	0.0000750	0.0000750	0.0000750	0	0	NA
42_1_5_111	MW-32	Part 115	Copper	mg/L	18	11	61%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.00111	0.000200	0.000200	0.0160	0.00372	3.34	4.24
42_1_5_114	MW-32	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	16.4	16.5	11.0	25.0	3.63	0.222	0.492
42_1_5_119	MW-32	Part 115	Nickel	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.00237	0.000980	0.000680	0.0230	0.00517	2.18	4.18
42_1_5_123	MW-32	Part 115	Silver	mg/L	18	18	100%	2022-11-30 to 2026-02-16		Nonparametric	0.0000500	0.0000500	0.0000500	0.0000500	0	0	NA
42_1_5_128	MW-32	Part 115	Vanadium	mg/L	18	18	100%	2022-11-30 to 2026-02-16		Nonparametric	0.000563	0.000620	0.000280	0.000620	0.000130	0.231	-1.96
42_1_5_129	MW-32	Part 115	Zinc	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.0150	0.00360	0.00220	0.0680	0.0212	1.41	1.62
46_1_3_105	MW-36	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.417	0.410	0.250	0.610	0.135	0.324	0.146
46_1_3_107	MW-36	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	67.6	68.5	56.0	81.0	8.07	0.119	0.178
46_1_3_108	MW-36	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	32.9	33.0	25.0	39.0	4.55	0.138	-0.365
46_1_3_112	MW-36	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.720	0.675	0.610	0.920	0.123	0.171	1.09
46_1_3_120	MW-36	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	9.11	9.12	7.07	10.4	0.989	0.109	-1.13
46_1_3_124	MW-36	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	10.6	9.25	5.70	21.0	5.54	0.522	1.22
46_1_3_126	MW-36	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	425	435	330	480	50.4	0.119	-0.891
46_1_4_101	MW-36	Appendix IV	Antimony	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Lognormal	Lognormal	0.00126	0.000780	0.000570	0.00290	0.000823	0.656	1.40
46_1_4_102	MW-36	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Lognormal	Lognormal	0.0151	0.0120	0.00710	0.0290	0.00880	0.584	1.24
46_1_4_103	MW-36	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.194	0.185	0.130	0.250	0.0460	0.237	0.0671
46_1_4_104	MW-36	Appendix IV	Beryllium	mg/L	8	7	88%	2024-04-08 to 2026-02-18		Nonparametric	0.0000529	0.0000520	0.0000520	0.0000590	0.00000247	0.0468	2.83
46_1_4_106	MW-36	Appendix IV	Cadmium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000292	0.000195	0.0000940	0.000820	0.000246	0.842	1.70
46_1_4_109	MW-36	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00162	0.00140	0.000970	0.00310	0.000710	0.438	1.46
46_1_4_110	MW-36	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000215	0.000195	0.000160	0.000280	0.0000504	0.235	0.392
46_1_4_113	MW-36	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.720	0.675	0.610	0.920	0.123	0.171	1.09
46_1_4_115	MW-36	Appendix IV	Lead	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0199	0.0140	0.00600	0.0510	0.0154	0.773	1.34
46_1_4_116	MW-36	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00926	0.00945	0.00420	0.0140	0.00339	0.366	-0.171
46_1_4_117	MW-36	Appendix IV	Mercury	ng/L	8	4	50%	2024-04-08 to 2026-02-18		Nonparametric	83.9	85.5	3.90	160	81.4	0.970	-0.00260
46_1_4_118	MW-36	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0274	0.0240	0.0170	0.0420	0.00912	0.333	0.592
46_1_4_122	MW-36	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000588	0.000620	0.000460	0.000720	0.0000953	0.162	-0.213
46_1_4_125	MW-36	Appendix IV	Thallium	mg/L	8	8	100%	2024-04-08 to 2026-02-18		Nonparametric	0.0000750	0.0000750	0.0000750	0.0000750	0	0	NA
46_1_5_111	MW-36	Part 115	Copper	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00732	0.00590	0.00250	0.0190	0.00567	0.775	1.37
46_1_5_114	MW-36	Part 115	Iron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.614	0.480	0.350	1.10	0.284	0.462	0.852
46_1_5_119	MW-36	Part 115	Nickel	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00622	0.00550	0.00320	0.0110	0.00245	0.393	1.10
46_1_5_123	MW-36	Part 115	Silver	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000177	0.000110	0.0000510	0.000570	0.000172	0.975	2.07
46_1_5_128	MW-36	Part 115	Vanadium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00355	0.00325	0.00240	0.00520	0.00110	0.310	0.851
46_1_5_129	MW-36	Part 115	Zinc	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0117	0.0109	0.00380	0.0240	0.00750	0.644	0.594
47_1_3_105	MW-37	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	4.03	3.95	1.90	5.90	1.29	0.320	-0.248
47_1_3_107	MW-37	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	152	150	120	200	23.8	0.156	0.970

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
47_1_3_108	MW-37	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	20.5	16.5	9.70	40.0	9.77	0.478	1.29
47_1_3_112	MW-37	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.515	0.510	0.390	0.630	0.0878	0.171	-0.301
47_1_3_120	MW-37	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	7.31	7.26	7.15	7.56	0.153	0.0209	0.615
47_1_3_124	MW-37	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	221	245	110	320	75.7	0.342	-0.685
47_1_3_126	MW-37	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	735	750	620	840	81.1	0.110	-0.370
47_1_4_101	MW-37	Appendix IV	Antimony	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000247	0.000170	0.000100	0.000640	0.000184	0.745	1.72
47_1_4_102	MW-37	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000661	0.000625	0.000460	0.00110	0.000207	0.313	1.45
47_1_4_103	MW-37	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0651	0.0685	0.0400	0.0980	0.0204	0.313	0.199
47_1_4_104	MW-37	Appendix IV	Beryllium	mg/L	8	7	88%	2024-04-08 to 2026-02-18		Nonparametric	0.0000550	0.0000520	0.0000520	0.0000760	0.00000849	0.154	2.83
47_1_4_106	MW-37	Appendix IV	Cadmium	mg/L	8	5	62%	2024-04-08 to 2026-02-18		Nonparametric	0.0000919	0.0000750	0.0000750	0.000130	0.0000239	0.260	0.832
47_1_4_109	MW-37	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal	Gamma	0.000478	0.000320	0.000220	0.00150	0.000425	0.891	2.53
47_1_4_110	MW-37	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000527	0.000520	0.000290	0.000760	0.000165	0.313	0.268
47_1_4_113	MW-37	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.515	0.510	0.390	0.630	0.0878	0.171	-0.301
47_1_4_115	MW-37	Appendix IV	Lead	mg/L	8	2	25%	2024-04-08 to 2026-02-18	Lognormal	Nonparametric	0.00146	0.000150	0.000100	0.0100	0.00345	2.36	2.81
47_1_4_116	MW-37	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0151	0.0150	0.00930	0.0220	0.00491	0.324	0.114
47_1_4_117	MW-37	Appendix IV	Mercury	ng/L	8	4	50%	2024-04-08 to 2026-02-18		Nonparametric	81.4	83.2	1.10	160	84.1	1.03	-0.00142
47_1_4_118	MW-37	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00990	0.00945	0.00640	0.0150	0.00318	0.321	0.427
47_1_4_121	MW-37	Appendix IV	Radium 226 and 228	pCi/L	8	5	62%	2024-04-08 to 2026-02-18		Nonparametric	0.722	0.701	0.550	0.960	0.166	0.231	0.517
47_1_4_122	MW-37	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00165	0.00100	0.000470	0.00460	0.00145	0.877	1.50
47_1_4_125	MW-37	Appendix IV	Thallium	mg/L	8	8	100%	2024-04-08 to 2026-02-18		Nonparametric	0.0000750	0.0000750	0.0000750	0.0000750	0	0	NA
47_1_5_111	MW-37	Part 115	Copper	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal	Gamma	0.0143	0.0125	0.00520	0.0410	0.0113	0.787	2.33
47_1_5_114	MW-37	Part 115	Iron	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	1.33	1.30	0.0260	3.40	1.25	0.941	0.420
47_1_5_119	MW-37	Part 115	Nickel	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00355	0.00360	0.00170	0.00520	0.00108	0.306	-0.177
47_1_5_123	MW-37	Part 115	Silver	mg/L	8	7	88%	2024-04-08 to 2026-02-18		Nonparametric	0.0000650	0.0000500	0.0000500	0.000170	0.0000424	0.653	2.83
47_1_5_128	MW-37	Part 115	Vanadium	mg/L	8	4	50%	2024-04-08 to 2026-02-18		Nonparametric	0.000571	0.000620	0.000300	0.000730	0.000147	0.257	-1.23
47_1_5_129	MW-37	Part 115	Zinc	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0148	0.0160	0.00970	0.0200	0.00381	0.257	-0.203
48_2_3_105	MW-38	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.65	1.75	0.470	3.00	0.885	0.536	-0.0367
48_2_3_107	MW-38	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Nonparametric	Nonparametric	155	93.5	72.0	560	165	1.07	2.71
48_2_3_108	MW-38	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	37.2	38.0	11.0	58.0	18.2	0.488	-0.368
48_2_3_112	MW-38	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.965	0.855	0.590	1.80	0.390	0.404	1.60
48_2_3_120	MW-38	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	9.18	9.14	8.33	10.0	0.482	0.0525	-0.0273
48_2_3_124	MW-38	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	174	165	110	280	57.3	0.330	0.804
48_2_3_126	MW-38	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	634	600	350	980	234	0.369	0.264
48_2_4_101	MW-38	Appendix IV	Antimony	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000956	0.000890	0.000100	0.00180	0.000623	0.652	0.0873
48_2_4_102	MW-38	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00426	0.00415	0.00230	0.00710	0.00170	0.399	0.446
48_2_4_103	MW-38	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0984	0.0915	0.0360	0.170	0.0499	0.507	0.313
48_2_4_104	MW-38	Appendix IV	Beryllium	mg/L	8	5	62%	2024-04-08 to 2026-02-18		Nonparametric	0.0000590	0.0000520	0.0000520	0.0000900	0.0000136	0.230	2.18
48_2_4_106	MW-38	Appendix IV	Cadmium	mg/L	8	3	38%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Nonparametric	0.000186	0.000123	0.0000750	0.000490	0.000157	0.844	1.43
48_2_4_109	MW-38	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00791	0.00580	0.00280	0.0160	0.00505	0.638	0.632
48_2_4_110	MW-38	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000486	0.000510	0.000250	0.000790	0.000202	0.415	0.233
48_2_4_113	MW-38	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.965	0.855	0.590	1.80	0.390	0.404	1.60
48_2_4_115	MW-38	Appendix IV	Lead	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.0259	0.0124	0.000500	0.0860	0.0306	1.18	1.46

(Table continues on next page)

[a] Non-detects are excluded from goodness-of-fit tests.

Table 1: Summary Statistics, Non-Detects Included *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit[a]	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
48_2_4_116	MW-38	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0993	0.109	0.0470	0.140	0.0331	0.334	-0.709
48_2_4_117	MW-38	Appendix IV	Mercury	ng/L	8	4	50%	2024-04-08 to 2026-02-18		Nonparametric	91.2	96.0	9.30	160	73.9	0.810	-0.0286
48_2_4_118	MW-38	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.0127	0.0114	0.00100	0.0250	0.00806	0.635	0.380
48_2_4_122	MW-38	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000755	0.000710	0.000120	0.00150	0.000410	0.543	0.413
48_2_4_125	MW-38	Appendix IV	Thallium	mg/L	8	8	100%	2024-04-08 to 2026-02-18		Nonparametric	0.000113	0.0000750	0.0000750	0.000380	0.000108	0.953	2.83
48_2_5_111	MW-38	Part 115	Copper	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal	Gamma	0.00710	0.00410	0.000200	0.0200	0.00761	1.07	1.20
48_2_5_114	MW-38	Part 115	Iron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.899	0.450	0.130	3.30	1.06	1.18	2.01
48_2_5_119	MW-38	Part 115	Nickel	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00519	0.00455	0.000710	0.00960	0.00290	0.559	0.136
48_2_5_123	MW-38	Part 115	Silver	mg/L	8	5	62%	2024-04-08 to 2026-02-18		Nonparametric	0.0000819	0.0000500	0.0000500	0.000190	0.0000557	0.680	1.56
48_2_5_128	MW-38	Part 115	Vanadium	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00802	0.00735	0.000280	0.0150	0.00489	0.610	0.0706
48_2_5_129	MW-38	Part 115	Zinc	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0107	0.0108	0.000480	0.0210	0.00797	0.743	0.0928

[a] Non-detects are excluded from goodness-of-fit tests.

Table 2: Summary Statistics, Non-Detects Excluded

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
11_2_3_105	MW-01R	Appendix III	Boron	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	111	110	38.0	160	35.9	0.323	-0.375
11_2_3_107	MW-01R	Appendix III	Calcium	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	229	220	130	400	75.2	0.329	0.742
11_2_3_108	MW-01R	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Normal	Normal	130	140	49.0	210	44.6	0.342	-0.421
11_2_3_112	MW-01R	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Normal	Normal	12.3	14.0	4.80	17.0	3.53	0.287	-0.700
11_2_3_120	MW-01R	Appendix III	pH (field)	su	18	0	0%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	7.63	7.74	6.02	7.81	0.408	0.0535	-4.0
11_2_3_124	MW-01R	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Gamma	410	375	8.80	980	295	0.720	0.396
11_2_3_126	MW-01R	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	2356	2400	2100	2600	120	0.0509	-0.147
11_2_4_101	MW-01R	Appendix IV	Antimony	mg/L	18	3	17%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	0.000384	0.000250	0.000170	0.00120	0.000318	0.829	1.88
11_2_4_102	MW-01R	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	0.00157	0.00135	0.000730	0.00410	0.000726	0.463	2.64
11_2_4_103	MW-01R	Appendix IV	Barium	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.384	0.355	0.200	0.810	0.157	0.409	1.21
11_2_4_104	MW-01R	Appendix IV	Beryllium	mg/L	18	2	11%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000221	0.000200	0.000120	0.000360	0.0000853	0.386	0.381
11_2_4_106	MW-01R	Appendix IV	Cadmium	mg/L	18	13	72%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000190	0.000140	0.0000620	0.000340	0.000122	0.643	0.432
11_2_4_109	MW-01R	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Lognormal	Lognormal	0.00332	0.00200	0.00130	0.0220	0.00474	1.43	4.02
11_2_4_110	MW-01R	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	0.00279	0.00115	0.000640	0.0230	0.00515	1.84	3.96
11_2_4_113	MW-01R	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Normal	Normal	12.3	14.0	4.80	17.0	3.53	0.287	-0.700
11_2_4_115	MW-01R	Appendix IV	Lead	mg/L	18	2	11%	2022-11-29 to 2026-02-19	Lognormal	Lognormal	0.00133	0.000810	0.000350	0.00530	0.00138	1.03	2.26
11_2_4_116	MW-01R	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	2.40	2.55	0.770	3.40	0.743	0.310	-0.581
11_2_4_117	MW-01R	Appendix IV	Mercury	ng/L	18	15	83%	2022-11-29 to 2026-02-19		Nonparametric	1.50	0.870	0.520	3.10	1.40	0.935	1.61
11_2_4_118	MW-01R	Appendix IV	Molybdenum	mg/L	18	2	11%	2022-11-29 to 2026-02-19	Lognormal	Lognormal	0.00115	0.000750	0.000330	0.00560	0.00129	1.12	3.07
11_2_4_121	MW-01R	Appendix IV	Radium 226 and 228	pCi/L	18	12	67%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	1.00	1.06	0.601	1.28	0.274	0.273	-0.629
11_2_4_122	MW-01R	Appendix IV	Selenium	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Lognormal	Lognormal	0.000714	0.000670	0.000300	0.00180	0.000309	0.433	2.66
11_2_5_111	MW-01R	Part 115	Copper	mg/L	18	6	33%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	0.000556	0.000330	0.000270	0.00140	0.000422	0.759	1.42
11_2_5_114	MW-01R	Part 115	Iron	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Gamma	0.501	0.490	0.0590	1.40	0.409	0.817	0.682
11_2_5_119	MW-01R	Part 115	Nickel	mg/L	18	0	0%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	0.00419	0.00205	0.00120	0.0220	0.00586	1.40	2.66
11_2_5_128	MW-01R	Part 115	Vanadium	mg/L	18	2	11%	2022-11-29 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00230	0.00195	0.000670	0.00460	0.00120	0.524	0.586
11_2_5_129	MW-01R	Part 115	Zinc	mg/L	18	3	17%	2022-11-29 to 2026-02-19	Nonparametric	Nonparametric	0.0123	0.00320	0.00120	0.0520	0.0154	1.25	1.52
12_2_3_105	MW-02	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Lognormal	Lognormal	111	105	59.0	190	33.8	0.304	1.15
12_2_3_107	MW-02	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	197	195	170	240	18.4	0.0933	0.460
12_2_3_108	MW-02	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	142	145	67.0	160	20.1	0.142	-3.23
12_2_3_112	MW-02	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	10.6	10.0	4.50	16.0	2.57	0.244	0.176
12_2_3_120	MW-02	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	7.21	7.19	7.06	7.45	0.103	0.0143	0.749
12_2_3_124	MW-02	Appendix III	Sulfate (as SO4)	mg/L	18	10	56%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	1.46	1.45	0.860	2.20	0.489	0.335	0.180
12_2_3_126	MW-02	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	1967	1950	1600	2600	268	0.136	1.04
12_2_4_101	MW-02	Appendix IV	Antimony	mg/L	18	3	17%	2022-11-28 to 2026-02-17	Gamma; Lognormal	Gamma	0.000250	0.000220	0.000140	0.000630	0.000130	0.519	2.14
12_2_4_102	MW-02	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Normal	Normal	0.00756	0.00770	0.000440	0.0120	0.00241	0.319	-1.23
12_2_4_103	MW-02	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.471	0.475	0.320	0.730	0.0954	0.203	0.722
12_2_4_104	MW-02	Appendix IV	Beryllium	mg/L	18	1	6%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.000276	0.000280	0.000120	0.000520	0.000109	0.395	0.673
12_2_4_106	MW-02	Appendix IV	Cadmium	mg/L	18	12	67%	2022-11-28 to 2026-02-17	Lognormal	Nonparametric	0.000138	0.0000780	0.0000410	0.000490	0.000174	1.26	2.38
12_2_4_109	MW-02	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Normal	Normal	0.0431	0.0455	0.000380	0.0680	0.0188	0.435	-0.516
12_2_4_110	MW-02	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Normal	Normal	0.00654	0.00630	0.000240	0.0120	0.00276	0.423	-0.267
12_2_4_113	MW-02	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	10.6	10.0	4.50	16.0	2.57	0.244	0.176
12_2_4_115	MW-02	Appendix IV	Lead	mg/L	18	1	6%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00306	0.00240	0.00100	0.00600	0.00158	0.515	0.637
12_2_4_116	MW-02	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal	Gamma	1.53	1.50	0.870	2.50	0.398	0.261	1.14

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
12_2_4_117	MW-02	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-28 to 2026-02-17		Nonparametric	3.12	2.75	1.60	5.40	1.65	0.529	1.13
12_2_4_118	MW-02	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	0.00854	0.00620	0.00380	0.0290	0.00610	0.714	2.52
12_2_4_121	MW-02	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	1.60	1.56	0.708	3.35	0.765	0.477	1.24
12_2_4_122	MW-02	Appendix IV	Selenium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00135	0.00130	0.000500	0.00230	0.000485	0.361	0.282
12_2_4_125	MW-02	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-28 to 2026-02-17		Nonparametric	0.000620	0.000620	0.000620	0.000620	NA	NA	NA
12_2_5_111	MW-02	Part 115	Copper	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00217	0.00200	0.000230	0.00470	0.00119	0.547	0.687
12_2_5_114	MW-02	Part 115	Iron	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	23.4	22.5	18.0	31.0	3.90	0.166	0.460
12_2_5_119	MW-02	Part 115	Nickel	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma	Gamma	0.0277	0.0230	0.000930	0.0740	0.0169	0.609	1.29
12_2_5_128	MW-02	Part 115	Vanadium	mg/L	18	1	6%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00424	0.00440	0.00130	0.00690	0.00171	0.403	-0.151
12_2_5_129	MW-02	Part 115	Zinc	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	0.0102	0.00330	0.00160	0.0440	0.0133	1.30	1.58
13_2_3_105	MW-03	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	4.09	4.10	3.30	4.50	0.318	0.0777	-0.826
13_2_3_107	MW-03	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	359	355	290	430	36.7	0.102	0.122
13_2_3_108	MW-03	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	152	140	94.0	300	53.7	0.353	1.41
13_2_3_112	MW-03	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.697	0.620	0.520	1.60	0.244	0.350	3.30
13_2_3_120	MW-03	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	7.36	7.33	7.20	7.59	0.0929	0.0126	0.726
13_2_3_124	MW-03	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Gamma	319	310	29.0	760	225	0.704	0.381
13_2_3_126	MW-03	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	2000	1950	1600	2300	270	0.135	-0.0403
13_2_4_101	MW-03	Appendix IV	Antimony	mg/L	18	12	67%	2022-11-28 to 2026-02-19	Gamma; Lognormal	Nonparametric	0.000171	0.000120	0.0000870	0.000450	0.000139	0.811	2.25
13_2_4_102	MW-03	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000909	0.000890	0.000490	0.00140	0.000269	0.296	0.0818
13_2_4_103	MW-03	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Normal	Normal	0.357	0.370	0.130	0.500	0.0815	0.228	-1.09
13_2_4_104	MW-03	Appendix IV	Beryllium	mg/L	18	11	61%	2022-11-28 to 2026-02-19	Lognormal	Nonparametric	0.0000914	0.0000720	0.0000530	0.000180	0.0000517	0.565	1.24
13_2_4_106	MW-03	Appendix IV	Cadmium	mg/L	18	17	94%	2022-11-28 to 2026-02-19		Nonparametric	0.000110	0.000110	0.000110	0.000110	NA	NA	NA
13_2_4_109	MW-03	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00444	0.00425	0.00300	0.00730	0.00121	0.271	0.827
13_2_4_110	MW-03	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000755	0.000655	0.000370	0.00130	0.000303	0.401	0.710
13_2_4_113	MW-03	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.697	0.620	0.520	1.60	0.244	0.350	3.30
13_2_4_115	MW-03	Appendix IV	Lead	mg/L	18	17	94%	2022-11-28 to 2026-02-19		Nonparametric	0.000220	0.000220	0.000220	0.000220	NA	NA	NA
13_2_4_116	MW-03	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal	Gamma	0.0374	0.0350	0.0290	0.0650	0.00911	0.244	1.87
13_2_4_117	MW-03	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-28 to 2026-02-19		Nonparametric	60.4	0.605	0.390	240	120	1.98	2.0
13_2_4_118	MW-03	Appendix IV	Molybdenum	mg/L	18	13	72%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000746	0.000720	0.000390	0.00110	0.000259	0.348	-0.00209
13_2_4_121	MW-03	Appendix IV	Radium 226 and 228	pCi/L	17	3	18%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	1.04	0.938	0.540	1.92	0.410	0.392	1.05
13_2_4_122	MW-03	Appendix IV	Selenium	mg/L	18	3	17%	2022-11-28 to 2026-02-19	Gamma; Normal	Normal	0.000409	0.000400	0.000170	0.000620	0.000103	0.253	-0.155
13_2_4_125	MW-03	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-28 to 2026-02-19		Nonparametric	0.000180	0.000180	0.000180	0.000180	NA	NA	NA
13_2_5_111	MW-03	Part 115	Copper	mg/L	18	9	50%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.000481	0.000300	0.000220	0.00100	0.000335	0.695	0.878
13_2_5_114	MW-03	Part 115	Iron	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal	Gamma	1.27	0.705	0.0980	5.90	1.50	1.19	2.09
13_2_5_119	MW-03	Part 115	Nickel	mg/L	18	1	6%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.00216	0.00130	0.000850	0.0150	0.00333	1.54	4.05
13_2_5_128	MW-03	Part 115	Vanadium	mg/L	18	9	50%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.00149	0.00140	0.00120	0.00220	0.000330	0.221	1.42
13_2_5_129	MW-03	Part 115	Zinc	mg/L	18	9	50%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.0110	0.0130	0.000590	0.0250	0.00954	0.869	0.0884
14_2_3_105	MW-04	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	3.79	4.00	0.680	4.70	0.907	0.239	-2.63
14_2_3_107	MW-04	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	367	360	250	560	63.5	0.173	1.44
14_2_3_108	MW-04	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Normal	Normal	141	140	11.0	300	75.8	0.536	0.0493
14_2_3_112	MW-04	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Lognormal	Lognormal	1.44	1.40	0.760	2.30	0.359	0.250	0.933
14_2_3_120	MW-04	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	7.30	7.34	6.78	7.66	0.182	0.0250	-1.16
14_2_3_124	MW-04	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Normal	Normal	610	620	1.80	1100	225	0.369	-0.652

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
14_2_3_126	MW-04	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	1839	1850	1100	2200	299	0.163	-1.31
14_2_4_101	MW-04	Appendix IV	Antimony	mg/L	18	12	67%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000270	0.000275	0.0000710	0.000460	0.000177	0.656	-0.0298
14_2_4_102	MW-04	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.00134	0.00100	0.000470	0.00590	0.00124	0.926	3.29
14_2_4_103	MW-04	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.132	0.120	0.0250	0.460	0.0873	0.662	3.36
14_2_4_104	MW-04	Appendix IV	Beryllium	mg/L	18	15	83%	2022-11-28 to 2026-02-19		Nonparametric	0.0000710	0.0000660	0.0000540	0.0000930	0.0000200	0.281	1.06
14_2_4_109	MW-04	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Normal	Normal	0.00348	0.00345	0.000740	0.00600	0.00144	0.415	-0.262
14_2_4_110	MW-04	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Lognormal	Lognormal	0.000621	0.000355	0.000110	0.00250	0.000606	0.977	2.34
14_2_4_113	MW-04	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Lognormal	Lognormal	1.44	1.40	0.760	2.30	0.359	0.250	0.933
14_2_4_115	MW-04	Appendix IV	Lead	mg/L	18	15	83%	2022-11-28 to 2026-02-19		Nonparametric	0.000280	0.000260	0.000160	0.000420	0.000131	0.468	0.670
14_2_4_116	MW-04	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0591	0.0610	0.0310	0.0740	0.0130	0.221	-0.854
14_2_4_117	MW-04	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-28 to 2026-02-19		Nonparametric	1.07	0.595	0.210	2.90	1.24	1.15	1.81
14_2_4_118	MW-04	Appendix IV	Molybdenum	mg/L	18	2	11%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	0.00300	0.00125	0.000370	0.0130	0.00419	1.40	1.80
14_2_4_121	MW-04	Appendix IV	Radium 226 and 228	pCi/L	18	6	33%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Normal	1.09	1.14	0.634	1.55	0.336	0.309	-0.179
14_2_4_122	MW-04	Appendix IV	Selenium	mg/L	18	5	28%	2022-11-28 to 2026-02-19	Gamma; Lognormal	Gamma	0.000331	0.000230	0.000160	0.00120	0.000276	0.835	2.99
14_2_5_111	MW-04	Part 115	Copper	mg/L	18	13	72%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000694	0.000790	0.000270	0.00110	0.000381	0.549	-0.262
14_2_5_114	MW-04	Part 115	Iron	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Nonparametric	Nonparametric	5.11	5.60	0.190	6.80	1.92	0.376	-1.78
14_2_5_119	MW-04	Part 115	Nickel	mg/L	18	0	0%	2022-11-28 to 2026-02-19	Normal	Normal	0.0134	0.0130	0.00190	0.0220	0.00547	0.407	-0.645
14_2_5_128	MW-04	Part 115	Vanadium	mg/L	18	10	56%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000900	0.000905	0.000530	0.00120	0.000231	0.257	-0.274
14_2_5_129	MW-04	Part 115	Zinc	mg/L	18	10	56%	2022-11-28 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.00487	0.00475	0.00150	0.0130	0.00370	0.759	1.68
16_1_3_105	MW-06	Appendix III	Boron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	9.45	9.70	6.40	12.0	1.67	0.176	-0.282
16_1_3_107	MW-06	Appendix III	Calcium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	245	235	200	310	34.3	0.140	0.716
16_1_3_108	MW-06	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	67.1	65.0	13.0	160	37.1	0.554	0.808
16_1_3_112	MW-06	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	1.22	1.20	0.980	1.60	0.195	0.160	0.503
16_1_3_120	MW-06	Appendix III	pH (field)	su	18	0	0%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	7.25	7.28	6.42	7.49	0.224	0.0309	-3.22
16_1_3_124	MW-06	Appendix III	Sulfate (as SO4)	mg/L	18	2	11%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	11.1	9.50	0.980	30.0	8.00	0.722	0.785
16_1_3_126	MW-06	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	1188	1200	980	1300	78.9	0.0664	-0.909
16_1_4_101	MW-06	Appendix IV	Antimony	mg/L	18	16	89%	2022-11-29 to 2026-02-17		Nonparametric	0.000218	0.000218	0.0000750	0.000360	0.000202	0.927	NA
16_1_4_102	MW-06	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.000673	0.000635	0.000370	0.00100	0.000188	0.279	0.526
16_1_4_103	MW-06	Appendix IV	Barium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	1.42	1.40	0.990	1.70	0.153	0.108	-0.938
16_1_4_104	MW-06	Appendix IV	Beryllium	mg/L	18	16	89%	2022-11-29 to 2026-02-17		Nonparametric	0.0000545	0.0000545	0.0000520	0.0000570	0.00000354	0.0649	NA
16_1_4_109	MW-06	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.00157	0.00140	0.000950	0.00300	0.000532	0.339	1.32
16_1_4_110	MW-06	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.000493	0.000455	0.000330	0.000800	0.000139	0.282	0.996
16_1_4_113	MW-06	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	1.22	1.20	0.980	1.60	0.195	0.160	0.503
16_1_4_115	MW-06	Appendix IV	Lead	mg/L	18	10	56%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	0.000211	0.000205	0.000110	0.000350	0.0000803	0.380	0.398
16_1_4_116	MW-06	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.175	0.175	0.110	0.230	0.0371	0.212	-0.0891
16_1_4_117	MW-06	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-29 to 2026-02-17		Nonparametric	0.647	0.615	0.490	0.870	0.174	0.269	0.712
16_1_4_118	MW-06	Appendix IV	Molybdenum	mg/L	18	10	56%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.000325	0.000275	0.000250	0.000560	0.000112	0.344	1.74
16_1_4_121	MW-06	Appendix IV	Radium 226 and 228	pCi/L	18	3	17%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.923	0.850	0.460	1.91	0.371	0.402	1.58
16_1_4_122	MW-06	Appendix IV	Selenium	mg/L	18	5	28%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.000234	0.000220	0.000160	0.000470	0.0000769	0.329	2.76
16_1_5_111	MW-06	Part 115	Copper	mg/L	18	13	72%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	0.000310	0.000290	0.000250	0.000380	0.0000534	0.172	0.427
16_1_5_114	MW-06	Part 115	Iron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	16.2	16.5	4.60	31.0	6.86	0.424	0.361
16_1_5_119	MW-06	Part 115	Nickel	mg/L	18	6	33%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.000963	0.000935	0.000750	0.00120	0.000140	0.145	0.148
16_1_5_128	MW-06	Part 115	Vanadium	mg/L	18	14	78%	2022-11-29 to 2026-02-17		Nonparametric	0.000585	0.000590	0.000460	0.000700	0.000106	0.182	-0.198

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
16_1_5_129	MW-06	Part 115	Zinc	mg/L	18	2	11%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.0246	0.00180	0.00120	0.0940	0.0362	1.47	1.07
17_1_3_105	MW-07	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	11.2	11.0	8.80	13.0	1.09	0.0968	-0.285
17_1_3_107	MW-07	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	148	150	120	170	13.1	0.0886	-0.425
17_1_3_108	MW-07	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	14.7	14.0	13.0	17.0	1.36	0.0926	0.567
17_1_3_112	MW-07	Appendix III	Fluoride	mg/L	18	4	22%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.124	0.130	0.0680	0.220	0.0456	0.369	0.623
17_1_3_120	MW-07	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	6.88	6.88	6.58	7.05	0.118	0.0171	-1.13
17_1_3_124	MW-07	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	27.2	28.5	15.0	48.0	9.12	0.335	0.402
17_1_3_126	MW-07	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Normal	Normal	659	675	470	740	74.1	0.112	-1.52
17_1_4_101	MW-07	Appendix IV	Antimony	mg/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	0.0000710	0.0000710	0.0000710	0.0000710	NA	NA	NA
17_1_4_102	MW-07	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000202	0.000205	0.000100	0.000290	0.0000429	0.213	-0.562
17_1_4_103	MW-07	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.359	0.355	0.250	0.430	0.0440	0.123	-0.497
17_1_4_104	MW-07	Appendix IV	Beryllium	mg/L	18	13	72%	2022-11-30 to 2026-02-19	Lognormal	Nonparametric	0.0000716	0.0000620	0.0000550	0.000120	0.0000275	0.384	2.08
17_1_4_109	MW-07	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.000361	0.000335	0.000280	0.000740	0.000105	0.291	3.03
17_1_4_110	MW-07	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000929	0.000970	0.000710	0.00110	0.000110	0.118	-0.466
17_1_4_113	MW-07	Appendix IV	Fluoride (App IV)	mg/L	18	4	22%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.124	0.130	0.0680	0.220	0.0456	0.369	0.623
17_1_4_116	MW-07	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00610	0.00570	0.00310	0.0100	0.00151	0.248	0.689
17_1_4_117	MW-07	Appendix IV	Mercury	ng/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	0.240	0.240	0.240	0.240	NA	NA	NA
17_1_4_121	MW-07	Appendix IV	Radium 226 and 228	pCi/L	18	2	11%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.988	0.903	0.570	2.36	0.413	0.418	2.63
17_1_4_122	MW-07	Appendix IV	Selenium	mg/L	18	9	50%	2022-11-30 to 2026-02-19	Lognormal	Nonparametric	0.000136	0.000120	0.000100	0.000230	0.0000407	0.300	1.91
17_1_5_111	MW-07	Part 115	Copper	mg/L	18	14	78%	2022-11-30 to 2026-02-19		Nonparametric	0.000335	0.000255	0.000210	0.000620	0.000192	0.572	1.90
17_1_5_114	MW-07	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	16.5	16.5	13.0	21.0	2.33	0.141	0.156
17_1_5_119	MW-07	Part 115	Nickel	mg/L	18	14	78%	2022-11-30 to 2026-02-19		Nonparametric	0.000327	0.000220	0.000160	0.000710	0.000257	0.785	1.90
17_1_5_128	MW-07	Part 115	Vanadium	mg/L	18	12	67%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000782	0.000780	0.000590	0.000950	0.000118	0.151	-0.384
17_1_5_129	MW-07	Part 115	Zinc	mg/L	18	10	56%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.0147	0.0160	0.000750	0.0330	0.0119	0.812	0.124
18_1_3_105	MW-08	Appendix III	Boron	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	6.17	6.80	2.50	9.30	1.83	0.297	-0.389
18_1_3_107	MW-08	Appendix III	Calcium	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	135	130	96.0	160	16.7	0.124	-0.359
18_1_3_108	MW-08	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Nonparametric	Nonparametric	39.2	30.0	17.0	110	27.1	0.690	1.94
18_1_3_112	MW-08	Appendix III	Fluoride	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Normal	Normal	0.951	1.00	0.400	1.40	0.268	0.282	-0.578
18_1_3_120	MW-08	Appendix III	pH (field)	su	18	0	0%	2022-12-01 to 2026-02-18	Nonparametric	Nonparametric	7.20	7.25	6.21	7.57	0.284	0.0395	-2.55
18_1_3_124	MW-08	Appendix III	Sulfate (as SO4)	mg/L	18	5	28%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	19.4	13.0	0.600	65.0	19.8	1.02	1.22
18_1_3_126	MW-08	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	553	550	320	780	98.4	0.178	-0.0258
18_1_4_101	MW-08	Appendix IV	Antimony	mg/L	18	10	56%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Nonparametric	0.000146	0.000135	0.0000540	0.000280	0.0000706	0.483	0.839
18_1_4_102	MW-08	Appendix IV	Arsenic	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Normal	Normal	0.0399	0.0425	0.00690	0.0910	0.0187	0.469	0.724
18_1_4_103	MW-08	Appendix IV	Barium	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.22	1.25	0.750	1.50	0.209	0.171	-0.627
18_1_4_104	MW-08	Appendix IV	Beryllium	mg/L	18	17	94%	2022-12-01 to 2026-02-18		Nonparametric	0.000120	0.000120	0.000120	0.000120	NA	NA	NA
18_1_4_106	MW-08	Appendix IV	Cadmium	mg/L	18	17	94%	2022-12-01 to 2026-02-18		Nonparametric	0.000110	0.000110	0.000110	0.000110	NA	NA	NA
18_1_4_109	MW-08	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000773	0.000705	0.000420	0.00150	0.000272	0.352	1.10
18_1_4_110	MW-08	Appendix IV	Cobalt	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000505	0.000480	0.000260	0.000980	0.000189	0.375	0.911
18_1_4_113	MW-08	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Normal	Normal	0.951	1.00	0.400	1.40	0.268	0.282	-0.578
18_1_4_115	MW-08	Appendix IV	Lead	mg/L	18	12	67%	2022-12-01 to 2026-02-18	Gamma; Lognormal	Nonparametric	0.000735	0.000220	0.000100	0.00290	0.00110	1.49	2.13
18_1_4_116	MW-08	Appendix IV	Lithium	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0984	0.0975	0.0630	0.140	0.0243	0.247	0.305
18_1_4_117	MW-08	Appendix IV	Mercury	ng/L	18	17	94%	2022-12-01 to 2026-02-18		Nonparametric	0.650	0.650	0.650	0.650	NA	NA	NA
18_1_4_118	MW-08	Appendix IV	Molybdenum	mg/L	18	1	6%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00159	0.00160	0.000310	0.00410	0.00105	0.659	0.765

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
18_1_4_121	MW-08	Appendix IV	Radium 226 and 228	pCi/L	18	5	28%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.09	0.984	0.550	2.10	0.427	0.391	1.08
18_1_4_122	MW-08	Appendix IV	Selenium	mg/L	18	6	33%	2022-12-01 to 2026-02-18	Lognormal	Lognormal	0.000168	0.000140	0.000110	0.000340	0.0000740	0.439	1.82
18_1_4_125	MW-08	Appendix IV	Thallium	mg/L	18	17	94%	2022-12-01 to 2026-02-18		Nonparametric	0.000130	0.000130	0.000130	0.000130	NA	NA	NA
18_1_5_111	MW-08	Part 115	Copper	mg/L	18	6	33%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000411	0.000385	0.000210	0.000800	0.000170	0.413	1.22
18_1_5_114	MW-08	Part 115	Iron	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Gamma; Lognormal; Normal	Normal	18.2	18.5	6.60	32.0	6.56	0.361	0.349
18_1_5_119	MW-08	Part 115	Nickel	mg/L	18	0	0%	2022-12-01 to 2026-02-18	Nonparametric	Nonparametric	0.00269	0.00140	0.000850	0.0130	0.00290	1.08	2.93
18_1_5_128	MW-08	Part 115	Vanadium	mg/L	18	15	83%	2022-12-01 to 2026-02-18		Nonparametric	0.000500	0.000300	0.000290	0.000910	0.000355	0.710	1.73
18_1_5_129	MW-08	Part 115	Zinc	mg/L	18	3	17%	2022-12-01 to 2026-02-18	Nonparametric	Nonparametric	0.0359	0.00250	0.00130	0.160	0.0538	1.50	1.32
19_2_3_105	MW-09	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	5.68	5.75	4.90	6.90	0.569	0.100	0.223
19_2_3_107	MW-09	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	400	415	230	510	89.4	0.224	-0.376
19_2_3_108	MW-09	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Lognormal	Lognormal	26.4	18.0	11.0	67.0	17.6	0.667	1.19
19_2_3_112	MW-09	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	2.53	2.55	2.10	2.90	0.259	0.102	-0.163
19_2_3_120	MW-09	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	7.18	7.20	6.88	7.52	0.150	0.0208	0.0753
19_2_3_124	MW-09	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Normal	Normal	538	595	83.0	970	271	0.504	-0.248
19_2_3_126	MW-09	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	1522	1600	740	2100	373	0.245	-0.480
19_2_4_101	MW-09	Appendix IV	Antimony	mg/L	18	12	67%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	0.000174	0.000140	0.0000730	0.000370	0.000111	0.637	1.30
19_2_4_102	MW-09	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Normal	Normal	0.00208	0.00230	0.000820	0.00300	0.000592	0.284	-0.683
19_2_4_103	MW-09	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Lognormal	Lognormal	0.345	0.200	0.0610	2.40	0.528	1.53	3.86
19_2_4_104	MW-09	Appendix IV	Beryllium	mg/L	18	13	72%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	0.0000828	0.0000640	0.0000570	0.000150	0.0000392	0.474	1.83
19_2_4_106	MW-09	Appendix IV	Cadmium	mg/L	18	17	94%	2022-11-28 to 2026-02-17		Nonparametric	0.000680	0.000680	0.000680	0.000680	NA	NA	NA
19_2_4_109	MW-09	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00231	0.00230	0.00110	0.00320	0.000563	0.244	-0.242
19_2_4_110	MW-09	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.000497	0.000495	0.000230	0.000990	0.000213	0.428	0.589
19_2_4_113	MW-09	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	2.53	2.55	2.10	2.90	0.259	0.102	-0.163
19_2_4_115	MW-09	Appendix IV	Lead	mg/L	18	17	94%	2022-11-28 to 2026-02-17		Nonparametric	0.000140	0.000140	0.000140	0.000140	NA	NA	NA
19_2_4_116	MW-09	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.305	0.305	0.260	0.350	0.0275	0.0901	-0.0573
19_2_4_117	MW-09	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-28 to 2026-02-17		Nonparametric	1125	1050	0.290	2400	1305	1.16	0.0456
19_2_4_118	MW-09	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.0227	0.0220	0.00970	0.0330	0.00648	0.285	-0.238
19_2_4_121	MW-09	Appendix IV	Radium 226 and 228	pCi/L	18	16	89%	2022-11-28 to 2026-02-17		Nonparametric	0.708	0.708	0.626	0.789	0.115	0.163	NA
19_2_4_122	MW-09	Appendix IV	Selenium	mg/L	18	2	11%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	0.000503	0.000275	0.000120	0.00350	0.000807	1.60	3.88
19_2_5_111	MW-09	Part 115	Copper	mg/L	18	11	61%	2022-11-28 to 2026-02-17	Nonparametric	Nonparametric	0.000956	0.000340	0.000240	0.00380	0.00131	1.37	2.27
19_2_5_114	MW-09	Part 115	Iron	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Gamma; Lognormal; Normal	Normal	19.7	19.5	5.80	26.0	5.34	0.271	-0.965
19_2_5_119	MW-09	Part 115	Nickel	mg/L	18	0	0%	2022-11-28 to 2026-02-17	Lognormal	Nonparametric	0.0108	0.00265	0.000720	0.100	0.0233	2.15	3.67
19_2_5_128	MW-09	Part 115	Vanadium	mg/L	18	15	83%	2022-11-28 to 2026-02-17		Nonparametric	0.000487	0.000470	0.000280	0.000710	0.000215	0.443	0.346
19_2_5_129	MW-09	Part 115	Zinc	mg/L	18	8	44%	2022-11-28 to 2026-02-17	Gamma; Lognormal	Gamma	0.0205	0.00810	0.00150	0.120	0.0359	1.75	2.89
20_3_3_105	MW-10	Appendix III	Boron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Normal	Normal	18.7	21.5	4.50	30.0	8.27	0.442	-0.370
20_3_3_107	MW-10	Appendix III	Calcium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	293	270	160	590	107	0.366	1.50
20_3_3_108	MW-10	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	323	315	92.0	700	187	0.577	0.785
20_3_3_112	MW-10	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	5.31	5.65	2.70	7.70	1.48	0.279	-0.353
20_3_3_120	MW-10	Appendix III	pH (field)	su	18	0	0%	2022-11-29 to 2026-02-17	Lognormal	Lognormal	7.75	7.78	7.05	8.81	0.369	0.0476	1.08
20_3_3_124	MW-10	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	567	430	140	1700	391	0.691	1.53
20_3_3_126	MW-10	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	2044	1850	1500	3200	463	0.226	1.27
20_3_4_101	MW-10	Appendix IV	Antimony	mg/L	18	14	78%	2022-11-29 to 2026-02-17		Nonparametric	0.000172	0.000120	0.000110	0.000340	0.000112	0.650	1.96
20_3_4_102	MW-10	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.000824	0.000735	0.000200	0.00200	0.000522	0.633	0.946

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
20_3_4_103	MW-10	Appendix IV	Barium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.339	0.300	0.140	0.720	0.162	0.479	1.16
20_3_4_104	MW-10	Appendix IV	Beryllium	mg/L	18	8	44%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.0000973	0.0000765	0.0000520	0.000220	0.0000529	0.544	1.64
20_3_4_109	MW-10	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00397	0.00415	0.00130	0.00850	0.00188	0.473	0.685
20_3_4_110	MW-10	Appendix IV	Cobalt	mg/L	18	1	6%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.000504	0.000400	0.000100	0.00180	0.000380	0.756	2.73
20_3_4_113	MW-10	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	5.31	5.65	2.70	7.70	1.48	0.279	-0.353
20_3_4_115	MW-10	Appendix IV	Lead	mg/L	18	16	89%	2022-11-29 to 2026-02-17		Nonparametric	0.000145	0.000145	0.000120	0.000170	0.0000354	0.244	NA
20_3_4_116	MW-10	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Lognormal	Lognormal	0.943	0.955	0.540	1.60	0.232	0.246	0.909
20_3_4_117	MW-10	Appendix IV	Mercury	ng/L	18	15	83%	2022-11-29 to 2026-02-17		Nonparametric	634	0.370	0.200	1900	1097	1.73	1.73
20_3_4_118	MW-10	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00290	0.00275	0.000650	0.00720	0.00173	0.599	0.912
20_3_4_121	MW-10	Appendix IV	Radium 226 and 228	pCi/L	18	14	78%	2022-11-29 to 2026-02-17		Nonparametric	0.971	0.896	0.732	1.36	0.278	0.287	1.29
20_3_4_122	MW-10	Appendix IV	Selenium	mg/L	18	1	6%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.000362	0.000340	0.000190	0.000830	0.000136	0.375	2.72
20_3_5_111	MW-10	Part 115	Copper	mg/L	18	15	83%	2022-11-29 to 2026-02-17		Nonparametric	0.000723	0.000490	0.000380	0.00130	0.000502	0.695	1.64
20_3_5_114	MW-10	Part 115	Iron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	4.93	4.85	2.30	7.70	1.73	0.352	0.125
20_3_5_119	MW-10	Part 115	Nickel	mg/L	18	7	39%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.00102	0.000890	0.000760	0.00180	0.000300	0.293	1.97
20_3_5_128	MW-10	Part 115	Vanadium	mg/L	18	12	67%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	0.00105	0.00110	0.000530	0.00140	0.000318	0.302	-0.820
20_3_5_129	MW-10	Part 115	Zinc	mg/L	18	7	39%	2022-11-29 to 2026-02-17	Lognormal	Nonparametric	0.0107	0.00250	0.00120	0.0480	0.0141	1.32	2.10
21_2_3_105	MW-11	Appendix III	Boron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	6.67	5.80	1.50	14.0	3.91	0.585	0.602
21_2_3_107	MW-11	Appendix III	Calcium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	252	255	130	380	71.6	0.285	-0.130
21_2_3_108	MW-11	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	68.9	72.0	38.0	95.0	16.6	0.241	-0.280
21_2_3_112	MW-11	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.694	0.665	0.210	1.60	0.399	0.575	0.858
21_2_3_120	MW-11	Appendix III	pH (field)	su	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	7.30	7.32	7.09	7.47	0.101	0.0138	-0.355
21_2_3_124	MW-11	Appendix III	Sulfate (as SO4)	mg/L	18	7	39%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	54.3	17.0	1.80	210	73.8	1.36	1.58
21_2_3_126	MW-11	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	1024	985	680	1800	247	0.241	1.74
21_2_4_101	MW-11	Appendix IV	Antimony	mg/L	18	13	72%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Nonparametric	0.000326	0.000280	0.0000820	0.000690	0.000222	0.680	1.27
21_2_4_102	MW-11	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.00194	0.00160	0.000610	0.00440	0.00109	0.559	1.36
21_2_4_103	MW-11	Appendix IV	Barium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.673	0.595	0.360	1.20	0.219	0.325	1.10
21_2_4_104	MW-11	Appendix IV	Beryllium	mg/L	18	13	72%	2022-11-29 to 2026-02-17	Lognormal	Nonparametric	0.000154	0.0000910	0.0000540	0.000440	0.000161	1.04	2.17
21_2_4_106	MW-11	Appendix IV	Cadmium	mg/L	18	15	83%	2022-11-29 to 2026-02-17		Nonparametric	0.000413	0.000350	0.000160	0.000730	0.000290	0.702	0.935
21_2_4_109	MW-11	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.00149	0.000930	0.000450	0.00860	0.00191	1.28	3.46
21_2_4_110	MW-11	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Lognormal	Lognormal	0.000707	0.000445	0.000230	0.00260	0.000693	0.980	2.22
21_2_4_113	MW-11	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.694	0.665	0.210	1.60	0.399	0.575	0.858
21_2_4_115	MW-11	Appendix IV	Lead	mg/L	18	3	17%	2022-11-29 to 2026-02-17	Lognormal	Nonparametric	0.00821	0.000600	0.000170	0.0680	0.0187	2.27	2.87
21_2_4_116	MW-11	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.0737	0.0560	0.00590	0.220	0.0578	0.784	1.21
21_2_4_117	MW-11	Appendix IV	Mercury	ng/L	18	13	72%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	221	1.30	0.880	1100	491	2.22	2.24
21_2_4_118	MW-11	Appendix IV	Molybdenum	mg/L	18	2	11%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	0.00162	0.00140	0.000430	0.00390	0.00102	0.631	0.890
21_2_4_121	MW-11	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	1.03	0.852	0.460	1.76	0.418	0.406	0.645
21_2_4_122	MW-11	Appendix IV	Selenium	mg/L	18	3	17%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Gamma	0.000255	0.000210	0.000140	0.000710	0.000147	0.577	2.38
21_2_4_125	MW-11	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-29 to 2026-02-17		Nonparametric	0.000210	0.000210	0.000210	0.000210	NA	NA	NA
21_2_5_111	MW-11	Part 115	Copper	mg/L	18	4	22%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.00236	0.000470	0.000200	0.0190	0.00506	2.14	3.18
21_2_5_114	MW-11	Part 115	Iron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Normal	7.82	7.45	3.60	18.0	3.37	0.431	1.53
21_2_5_119	MW-11	Part 115	Nickel	mg/L	18	0	0%	2022-11-29 to 2026-02-17	Nonparametric	Nonparametric	0.00266	0.00150	0.000650	0.0150	0.00364	1.37	2.94
21_2_5_123	MW-11	Part 115	Silver	mg/L	18	15	83%	2022-11-29 to 2026-02-17		Nonparametric	0.000153	0.000150	0.000140	0.000170	0.0000153	0.0996	0.935
21_2_5_128	MW-11	Part 115	Vanadium	mg/L	18	13	72%	2022-11-29 to 2026-02-17	Gamma; Lognormal	Nonparametric	0.00117	0.000680	0.000540	0.00300	0.00104	0.889	2.09

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
21_2_5_129	MW-11	Part 115	Zinc	mg/L	18	4	22%	2022-11-29 to 2026-02-17	Gamma; Lognormal; Normal	Gamma	0.0300	0.0320	0.00180	0.100	0.0292	0.971	1.10
22_2_3_105	MW-12	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.323	0.300	0.190	0.620	0.112	0.345	1.03
22_2_3_107	MW-12	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	66.8	66.5	40.0	99.0	19.0	0.284	0.128
22_2_3_108	MW-12	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Lognormal	Lognormal	18.9	17.5	12.0	27.0	4.43	0.235	0.800
22_2_3_112	MW-12	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Lognormal	Lognormal	0.319	0.285	0.200	0.540	0.100	0.314	0.990
22_2_3_120	MW-12	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	7.65	7.66	7.00	8.32	0.320	0.0418	0.219
22_2_3_124	MW-12	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	99.0	99.5	52.0	180	41.0	0.415	0.642
22_2_3_126	MW-12	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	284	285	100	420	86.2	0.303	-0.306
22_2_4_101	MW-12	Appendix IV	Antimony	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000701	0.000660	0.000170	0.00150	0.000384	0.548	0.851
22_2_4_102	MW-12	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00266	0.00220	0.00140	0.00640	0.00133	0.502	1.71
22_2_4_103	MW-12	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0507	0.0405	0.0170	0.140	0.0345	0.680	1.44
22_2_4_104	MW-12	Appendix IV	Beryllium	mg/L	18	17	94%	2022-11-28 to 2026-02-18		Nonparametric	0.0000660	0.0000660	0.0000660	0.0000660	NA	NA	NA
22_2_4_106	MW-12	Appendix IV	Cadmium	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal	Gamma	0.00227	0.00145	0.000540	0.0110	0.00247	1.09	2.92
22_2_4_109	MW-12	Appendix IV	Chromium, Total	mg/L	18	6	33%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000556	0.000470	0.000210	0.000990	0.000274	0.493	0.629
22_2_4_110	MW-12	Appendix IV	Cobalt	mg/L	18	5	28%	2022-11-28 to 2026-02-18	Gamma; Lognormal	Gamma	0.000626	0.000380	0.000110	0.00280	0.000738	1.18	2.47
22_2_4_113	MW-12	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Lognormal	Lognormal	0.319	0.285	0.200	0.540	0.100	0.314	0.990
22_2_4_115	MW-12	Appendix IV	Lead	mg/L	18	6	33%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000322	0.000235	0.000140	0.000800	0.000198	0.613	1.38
22_2_4_116	MW-12	Appendix IV	Lithium	mg/L	18	1	6%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00376	0.00370	0.00190	0.00640	0.00146	0.389	0.196
22_2_4_117	MW-12	Appendix IV	Mercury	ng/L	18	12	67%	2022-11-28 to 2026-02-18	Nonparametric	Nonparametric	65.7	1.15	0.830	230	103	1.56	1.17
22_2_4_118	MW-12	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal	Gamma	0.00759	0.00705	0.00420	0.0180	0.00304	0.401	2.44
22_2_4_121	MW-12	Appendix IV	Radium 226 and 228	pCi/L	18	11	61%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Nonparametric	0.692	0.623	0.487	1.09	0.206	0.297	1.36
22_2_4_122	MW-12	Appendix IV	Selenium	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.00131	0.000910	0.000130	0.00450	0.00133	1.01	1.45
22_2_5_111	MW-12	Part 115	Copper	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00150	0.00125	0.000550	0.00350	0.000828	0.552	1.52
22_2_5_114	MW-12	Part 115	Iron	mg/L	18	6	33%	2022-11-28 to 2026-02-18	Lognormal	Nonparametric	0.163	0.0575	0.0210	0.920	0.260	1.60	2.67
22_2_5_119	MW-12	Part 115	Nickel	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal	Gamma	0.00301	0.00275	0.00140	0.00730	0.00153	0.508	1.82
22_2_5_128	MW-12	Part 115	Vanadium	mg/L	18	6	33%	2022-11-28 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00110	0.000980	0.000460	0.00210	0.000428	0.388	1.08
22_2_5_129	MW-12	Part 115	Zinc	mg/L	18	0	0%	2022-11-28 to 2026-02-18	Gamma; Lognormal	Gamma	0.0104	0.00825	0.00270	0.0230	0.00613	0.587	1.12
26_1_3_105	MW-16	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.351	0.340	0.220	0.500	0.0970	0.276	0.189
26_1_3_107	MW-16	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	240	240	190	280	26.7	0.111	-0.539
26_1_3_108	MW-16	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	19.8	20.5	14.0	23.0	3.20	0.162	-0.783
26_1_3_112	MW-16	Appendix III	Fluoride	mg/L	8	1	12%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.163	0.160	0.130	0.190	0.0243	0.149	-0.0737
26_1_3_120	MW-16	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-19	Nonparametric	Nonparametric	7.02	7.11	6.53	7.30	0.309	0.0441	-0.457
26_1_3_124	MW-16	Appendix III	Sulfate (as SO4)	mg/L	8	2	25%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Gamma	71.6	75.0	1.10	140	59.1	0.826	-0.112
26_1_3_126	MW-16	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	799	810	680	910	77.2	0.0966	-0.426
26_1_4_101	MW-16	Appendix IV	Antimony	mg/L	8	7	88%	2024-04-08 to 2026-02-19		Nonparametric	0.000110	0.000110	0.000110	0.000110	NA	NA	NA
26_1_4_102	MW-16	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal	Gamma	0.00801	0.00485	0.00120	0.0230	0.00771	0.963	1.46
26_1_4_103	MW-16	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.237	0.240	0.180	0.290	0.0456	0.192	-0.194
26_1_4_104	MW-16	Appendix IV	Beryllium	mg/L	8	7	88%	2024-04-08 to 2026-02-19		Nonparametric	0.0000540	0.0000540	0.0000540	0.0000540	NA	NA	NA
26_1_4_109	MW-16	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00102	0.000745	0.000510	0.00220	0.000597	0.583	1.25
26_1_4_110	MW-16	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal	Gamma	0.000226	0.000200	0.000160	0.000390	0.0000791	0.350	1.60
26_1_4_113	MW-16	Appendix IV	Fluoride (App IV)	mg/L	8	1	12%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.163	0.160	0.130	0.190	0.0243	0.149	-0.0737
26_1_4_115	MW-16	Appendix IV	Lead	mg/L	8	5	62%	2024-04-08 to 2026-02-19		Nonparametric	0.000200	0.000190	0.000130	0.000280	0.0000755	0.377	0.586
26_1_4_116	MW-16	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0222	0.0225	0.0160	0.0270	0.00362	0.162	-0.462

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
26_1_4_117	MW-16	Appendix IV	Mercury	ng/L	8	6	75%	2024-04-08 to 2026-02-19		Nonparametric	0.360	0.360	0.290	0.430	0.0990	0.275	NA
26_1_4_121	MW-16	Appendix IV	Radium 226 and 228	pCi/L	8	4	50%	2024-04-08 to 2026-02-19		Nonparametric	0.659	0.678	0.525	0.754	0.100	0.152	-0.920
26_1_4_122	MW-16	Appendix IV	Selenium	mg/L	8	1	12%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000154	0.000150	0.000110	0.000250	0.0000469	0.304	1.68
26_1_5_111	MW-16	Part 115	Copper	mg/L	8	4	50%	2024-04-08 to 2026-02-19		Nonparametric	0.000302	0.000305	0.000250	0.000350	0.0000411	0.136	-0.356
26_1_5_114	MW-16	Part 115	Iron	mg/L	8	0	0%	2024-04-08 to 2026-02-19	Gamma; Normal	Normal	7.39	6.90	0.990	13.0	3.82	0.517	-0.0221
26_1_5_119	MW-16	Part 115	Nickel	mg/L	8	1	12%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Gamma	0.00307	0.00170	0.000550	0.00880	0.00316	1.03	1.27
26_1_5_128	MW-16	Part 115	Vanadium	mg/L	8	3	38%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000780	0.000760	0.000380	0.00110	0.000285	0.366	-0.400
26_1_5_129	MW-16	Part 115	Zinc	mg/L	8	2	25%	2024-04-08 to 2026-02-19	Gamma; Lognormal; Normal	Gamma	0.0115	0.0125	0.000870	0.0260	0.00951	0.826	0.291
27_1_3_105	MW-17	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.721	0.770	0.320	1.00	0.231	0.320	-0.634
27_1_3_107	MW-17	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	135	135	98.0	160	19.8	0.147	-0.730
27_1_3_108	MW-17	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Normal	Normal	33.6	34.0	10.0	47.0	10.9	0.325	-1.46
27_1_3_112	MW-17	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.596	0.605	0.380	0.750	0.129	0.217	-0.416
27_1_3_120	MW-17	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	7.57	7.53	7.31	7.88	0.188	0.0248	0.387
27_1_3_124	MW-17	Appendix III	Sulfate (as SO4)	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	18.2	7.30	0.790	50.0	18.7	1.03	0.876
27_1_3_126	MW-17	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Nonparametric	Nonparametric	572	610	360	620	88.8	0.155	-2.49
27_1_4_101	MW-17	Appendix IV	Antimony	mg/L	8	6	75%	2024-04-08 to 2026-02-18		Nonparametric	0.000830	0.000830	0.000160	0.00150	0.000948	1.14	NA
27_1_4_102	MW-17	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00187	0.00190	0.00120	0.00260	0.000537	0.286	-0.000925
27_1_4_103	MW-17	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.634	0.625	0.280	0.900	0.197	0.310	-0.382
27_1_4_104	MW-17	Appendix IV	Beryllium	mg/L	8	7	88%	2024-04-08 to 2026-02-18		Nonparametric	0.0000690	0.0000690	0.0000690	0.0000690	NA	NA	NA
27_1_4_106	MW-17	Appendix IV	Cadmium	mg/L	8	7	88%	2024-04-08 to 2026-02-18		Nonparametric	0.000110	0.000110	0.000110	0.000110	NA	NA	NA
27_1_4_109	MW-17	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal	Gamma	0.000971	0.000785	0.000550	0.00240	0.000604	0.622	2.37
27_1_4_110	MW-17	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000452	0.000385	0.000300	0.000890	0.000195	0.430	1.94
27_1_4_113	MW-17	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.596	0.605	0.380	0.750	0.129	0.217	-0.416
27_1_4_115	MW-17	Appendix IV	Lead	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000380	0.000420	0.000140	0.000770	0.000229	0.604	0.628
27_1_4_116	MW-17	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0318	0.0340	0.0160	0.0430	0.00810	0.255	-0.879
27_1_4_117	MW-17	Appendix IV	Mercury	ng/L	8	6	75%	2024-04-08 to 2026-02-18		Nonparametric	1.40	1.40	0.290	2.50	1.56	1.12	NA
27_1_4_118	MW-17	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Nonparametric	Nonparametric	0.00254	0.000785	0.000420	0.0130	0.00431	1.70	2.63
27_1_4_121	MW-17	Appendix IV	Radium 226 and 228	pCi/L	8	2	25%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.796	0.773	0.530	1.28	0.269	0.337	1.29
27_1_4_122	MW-17	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Nonparametric	Nonparametric	0.000331	0.000175	0.000110	0.00150	0.000474	1.43	2.80
27_1_5_111	MW-17	Part 115	Copper	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal	Gamma	0.00167	0.00100	0.000330	0.00630	0.00208	1.25	2.43
27_1_5_114	MW-17	Part 115	Iron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	4.22	4.25	1.90	6.60	1.33	0.314	0.0545
27_1_5_119	MW-17	Part 115	Nickel	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Lognormal	Lognormal	0.00216	0.00115	0.000850	0.00860	0.00263	1.22	2.72
27_1_5_128	MW-17	Part 115	Vanadium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000812	0.000805	0.000510	0.00130	0.000247	0.303	0.976
27_1_5_129	MW-17	Part 115	Zinc	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal	Gamma	0.0209	0.00730	0.00200	0.0740	0.0261	1.25	1.48
28_1_3_105	MW-18	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	3.11	3.05	1.80	4.40	0.909	0.293	0.0286
28_1_3_107	MW-18	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	328	330	240	450	63.6	0.194	0.105
28_1_3_108	MW-18	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	22.6	23.5	13.0	32.0	4.88	0.216	-0.210
28_1_3_112	MW-18	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	3.94	3.80	2.70	5.10	0.705	0.179	0.198
28_1_3_120	MW-18	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	7.19	7.18	7.02	7.31	0.0811	0.0113	-0.459
28_1_3_124	MW-18	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	781	755	370	1200	223	0.285	0.456
28_1_3_126	MW-18	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	1327	1350	860	1800	251	0.189	0.0238
28_1_4_101	MW-18	Appendix IV	Antimony	mg/L	18	3	17%	2022-11-30 to 2026-02-19	Lognormal	Lognormal	0.000239	0.000140	0.000100	0.00100	0.000230	0.963	2.94
28_1_4_102	MW-18	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0277	0.0285	0.0150	0.0440	0.00766	0.276	0.488

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
28_1_4_103	MW-18	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0203	0.0210	0.0120	0.0340	0.00608	0.299	0.455
28_1_4_104	MW-18	Appendix IV	Beryllium	mg/L	18	14	78%	2022-11-30 to 2026-02-19		Nonparametric	0.0000565	0.0000565	0.0000530	0.0000600	0.00000351	0.0622	0.00000000000000379
28_1_4_106	MW-18	Appendix IV	Cadmium	mg/L	18	7	39%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.000322	0.000220	0.0000890	0.000900	0.000266	0.826	1.42
28_1_4_109	MW-18	Appendix IV	Chromium, Total	mg/L	18	16	89%	2022-11-30 to 2026-02-19		Nonparametric	0.000440	0.000440	0.000250	0.000630	0.000269	0.611	NA
28_1_4_110	MW-18	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Lognormal	Lognormal	0.00258	0.00200	0.00110	0.00600	0.00142	0.548	1.51
28_1_4_113	MW-18	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	3.94	3.80	2.70	5.10	0.705	0.179	0.198
28_1_4_115	MW-18	Appendix IV	Lead	mg/L	18	11	61%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Nonparametric	0.000203	0.000160	0.000140	0.000320	0.0000727	0.359	0.713
28_1_4_116	MW-18	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0352	0.0375	0.0200	0.0450	0.00755	0.215	-0.395
28_1_4_117	MW-18	Appendix IV	Mercury	ng/L	18	15	83%	2022-11-30 to 2026-02-19		Nonparametric	0.940	0.970	0.860	0.990	0.0700	0.0745	-1.57
28_1_4_118	MW-18	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0159	0.0145	0.00900	0.0280	0.00475	0.298	0.875
28_1_4_121	MW-18	Appendix IV	Radium 226 and 228	pCi/L	18	10	56%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Nonparametric	0.703	0.659	0.462	1.27	0.247	0.351	2.07
28_1_4_122	MW-18	Appendix IV	Selenium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.000739	0.000470	0.000140	0.00230	0.000679	0.918	1.16
28_1_4_125	MW-18	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	0.000160	0.000160	0.000160	0.000160	NA	NA	NA
28_1_5_111	MW-18	Part 115	Copper	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.000757	0.000515	0.000330	0.00210	0.000507	0.670	1.69
28_1_5_114	MW-18	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	6.30	6.00	3.30	10.0	1.64	0.260	0.442
28_1_5_119	MW-18	Part 115	Nickel	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.00644	0.00560	0.00320	0.0110	0.00240	0.373	0.887
28_1_5_128	MW-18	Part 115	Vanadium	mg/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	0.000360	0.000360	0.000360	0.000360	NA	NA	NA
28_1_5_129	MW-18	Part 115	Zinc	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.0606	0.0465	0.0160	0.210	0.0461	0.760	2.31
29_1_3_105	MW-19	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	2.15	2.10	1.50	3.40	0.503	0.234	0.715
29_1_3_107	MW-19	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	456	465	360	550	54.7	0.120	-0.255
29_1_3_108	MW-19	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	41.0	38.5	21.0	75.0	15	0.365	0.867
29_1_3_112	MW-19	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.84	1.90	1.40	2.30	0.270	0.147	-0.00351
29_1_3_120	MW-19	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	6.81	6.83	6.39	7.07	0.158	0.0232	-0.892
29_1_3_124	MW-19	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	974	950	600	1300	184	0.189	0.170
29_1_3_126	MW-19	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1817	1750	1400	2200	248	0.136	0.333
29_1_4_101	MW-19	Appendix IV	Antimony	mg/L	18	12	67%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Nonparametric	0.000422	0.000445	0.000110	0.000720	0.000237	0.562	-0.187
29_1_4_102	MW-19	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00462	0.00435	0.00120	0.00730	0.00187	0.405	-0.110
29_1_4_103	MW-19	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0387	0.0380	0.0300	0.0500	0.00548	0.141	0.438
29_1_4_104	MW-19	Appendix IV	Beryllium	mg/L	18	3	17%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0000842	0.0000850	0.0000570	0.000120	0.0000211	0.251	0.309
29_1_4_106	MW-19	Appendix IV	Cadmium	mg/L	18	16	89%	2022-11-30 to 2026-02-18		Nonparametric	0.000275	0.000275	0.000250	0.000300	0.0000354	0.129	NA
29_1_4_109	MW-19	Appendix IV	Chromium, Total	mg/L	18	5	28%	2022-11-30 to 2026-02-18	Gamma; Lognormal	Gamma	0.000284	0.000270	0.000200	0.000530	0.0000869	0.306	2.10
29_1_4_110	MW-19	Appendix IV	Cobalt	mg/L	18	1	6%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000602	0.000500	0.000130	0.00130	0.000347	0.577	0.561
29_1_4_113	MW-19	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.84	1.90	1.40	2.30	0.270	0.147	-0.00351
29_1_4_116	MW-19	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0890	0.0885	0.0730	0.110	0.0111	0.124	0.394
29_1_4_117	MW-19	Appendix IV	Mercury	ng/L	18	16	89%	2022-11-30 to 2026-02-18		Nonparametric	0.220	0.220	0.180	0.260	0.0566	0.257	NA
29_1_4_118	MW-19	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0120	0.0110	0.00390	0.0210	0.00479	0.399	0.454
29_1_4_121	MW-19	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.808	0.794	0.514	1.17	0.243	0.300	0.198
29_1_4_122	MW-19	Appendix IV	Selenium	mg/L	18	11	61%	2022-11-30 to 2026-02-18	Nonparametric	Nonparametric	0.000717	0.000150	0.000120	0.00360	0.00129	1.80	2.51
29_1_4_125	MW-19	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-30 to 2026-02-18		Nonparametric	0.000120	0.000120	0.000120	0.000120	NA	NA	NA
29_1_5_111	MW-19	Part 115	Copper	mg/L	18	14	78%	2022-11-30 to 2026-02-18		Nonparametric	0.000300	0.000290	0.000220	0.000400	0.0000891	0.297	0.255
29_1_5_114	MW-19	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-18	Gamma; Lognormal; Normal	Normal	15.7	15.5	8.20	24.0	4.16	0.265	0.0695
29_1_5_119	MW-19	Part 115	Nickel	mg/L	18	1	6%	2022-11-30 to 2026-02-18	Lognormal	Lognormal	0.00395	0.00250	0.00110	0.0170	0.00450	1.14	2.42
29_1_5_128	MW-19	Part 115	Vanadium	mg/L	18	14	78%	2022-11-30 to 2026-02-18		Nonparametric	0.000690	0.000635	0.000550	0.000940	0.000174	0.252	1.54

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
29_1_5_129	MW-19	Part 115	Zinc	mg/L	18	10	56%	2022-11-30 to 2026-02-18	Nonparametric	Nonparametric	0.0247	0.00420	0.00170	0.100	0.0404	1.63	1.52
30_1_3_105	MW-20	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	1.00	0.960	0.720	1.40	0.213	0.213	0.642
30_1_3_107	MW-20	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Normal	Normal	126	130	58.0	170	23.1	0.184	-1.12
30_1_3_108	MW-20	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	56.8	62.0	23.0	92.0	21.2	0.373	-0.124
30_1_3_112	MW-20	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.258	0.250	0.120	0.550	0.0833	0.322	2.51
30_1_3_120	MW-20	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	7.34	7.34	7.14	7.50	0.104	0.0141	-0.361
30_1_3_124	MW-20	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	58.0	51.0	18.0	120	30.7	0.530	0.524
30_1_3_126	MW-20	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Normal	Normal	636	650	340	840	110	0.173	-0.809
30_1_4_101	MW-20	Appendix IV	Antimony	mg/L	18	7	39%	2022-11-30 to 2026-02-19	Lognormal	Lognormal	0.000153	0.000110	0.0000540	0.000650	0.000168	1.10	3.09
30_1_4_102	MW-20	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00142	0.00140	0.00100	0.00190	0.000294	0.207	0.285
30_1_4_103	MW-20	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.510	0.465	0.310	0.940	0.163	0.320	1.42
30_1_4_104	MW-20	Appendix IV	Beryllium	mg/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	0.0000590	0.0000590	0.0000590	0.0000590	NA	NA	NA
30_1_4_106	MW-20	Appendix IV	Cadmium	mg/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	0.000390	0.000390	0.000390	0.000390	NA	NA	NA
30_1_4_109	MW-20	Appendix IV	Chromium, Total	mg/L	18	9	50%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.000417	0.000220	0.000190	0.00190	0.000557	1.34	2.98
30_1_4_110	MW-20	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00119	0.00110	0.000690	0.00180	0.000300	0.253	0.370
30_1_4_113	MW-20	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.258	0.250	0.120	0.550	0.0833	0.322	2.51
30_1_4_115	MW-20	Appendix IV	Lead	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.00226	0.00190	0.00120	0.00780	0.00146	0.645	3.54
30_1_4_116	MW-20	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.0569	0.0590	0.0290	0.0830	0.0154	0.271	-0.233
30_1_4_117	MW-20	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-30 to 2026-02-19		Nonparametric	5.83	5.20	1.90	11.0	3.79	0.650	0.954
30_1_4_118	MW-20	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	0.00432	0.00430	0.00310	0.00580	0.000723	0.167	0.145
30_1_4_121	MW-20	Appendix IV	Radium 226 and 228	pCi/L	17	8	47%	2022-11-30 to 2026-02-19	Lognormal	Lognormal	0.754	0.612	0.479	1.47	0.325	0.431	1.67
30_1_4_122	MW-20	Appendix IV	Selenium	mg/L	18	10	56%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.000171	0.000120	0.000100	0.000430	0.000117	0.683	1.98
30_1_4_125	MW-20	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-30 to 2026-02-19		Nonparametric	0.000110	0.000110	0.000110	0.000110	NA	NA	NA
30_1_5_111	MW-20	Part 115	Copper	mg/L	18	2	11%	2022-11-30 to 2026-02-19	Lognormal	Lognormal	0.000555	0.000340	0.000200	0.00330	0.000751	1.35	3.68
30_1_5_114	MW-20	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal; Normal	Normal	17.9	18.0	12.0	22.0	2.89	0.161	-0.403
30_1_5_119	MW-20	Part 115	Nickel	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Nonparametric	Nonparametric	0.00955	0.00875	0.00450	0.0340	0.00629	0.659	3.81
30_1_5_129	MW-20	Part 115	Zinc	mg/L	18	0	0%	2022-11-30 to 2026-02-19	Gamma; Lognormal	Gamma	0.0375	0.0280	0.0130	0.110	0.0249	0.665	1.67
38_1_3_105	MW-28	Appendix III	Boron	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	3.48	3.25	0.340	6.10	2.01	0.579	-0.116
38_1_3_107	MW-28	Appendix III	Calcium	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	175	170	120	230	33.4	0.191	0.184
38_1_3_108	MW-28	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	131	165	18.0	240	78.5	0.600	-0.333
38_1_3_112	MW-28	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.19	1.18	0.400	2.00	0.487	0.410	0.0698
38_1_3_120	MW-28	Appendix III	pH (field)	su	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	6.90	6.92	6.63	7.02	0.122	0.0177	-1.70
38_1_3_124	MW-28	Appendix III	Sulfate (as SO4)	mg/L	8	2	25%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	25.9	26.0	0.650	57.0	24.7	0.955	0.102
38_1_3_126	MW-28	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	805	860	480	1100	200	0.248	-0.327
38_1_4_101	MW-28	Appendix IV	Antimony	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal	Gamma	0.000519	0.000240	0.000140	0.00210	0.000667	1.29	2.42
38_1_4_102	MW-28	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00168	0.00140	0.000760	0.00380	0.000950	0.565	1.84
38_1_4_103	MW-28	Appendix IV	Barium	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Nonparametric	Nonparametric	0.578	0.725	0.150	0.760	0.240	0.415	-1.00
38_1_4_106	MW-28	Appendix IV	Cadmium	mg/L	8	5	62%	2024-04-07 to 2026-02-18		Nonparametric	0.00129	0.0000910	0.0000800	0.00370	0.00209	1.62	1.73
38_1_4_109	MW-28	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00900	0.00850	0.00180	0.0170	0.00503	0.558	0.379
38_1_4_110	MW-28	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00134	0.000970	0.000240	0.00310	0.00110	0.818	0.643
38_1_4_113	MW-28	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.19	1.18	0.400	2.00	0.487	0.410	0.0698
38_1_4_115	MW-28	Appendix IV	Lead	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.00275	0.00140	0.000340	0.00760	0.00259	0.942	1.10
38_1_4_116	MW-28	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.0928	0.102	0.00460	0.150	0.0533	0.574	-0.478

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
38_1_4_117	MW-28	Appendix IV	Mercury	ng/L	8	3	38%	2024-04-07 to 2026-02-18	Gamma; Lognormal	Gamma	57.8	7.50	0.550	240	103	1.78	2.13
38_1_4_118	MW-28	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00291	0.00205	0.000540	0.00870	0.00262	0.898	1.84
38_1_4_122	MW-28	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Nonparametric	Nonparametric	0.000459	0.000285	0.000240	0.00170	0.000502	1.09	2.82
38_1_5_111	MW-28	Part 115	Copper	mg/L	8	1	12%	2024-04-07 to 2026-02-18	Lognormal	Nonparametric	0.00213	0.000900	0.000370	0.00980	0.00341	1.60	2.56
38_1_5_114	MW-28	Part 115	Iron	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Normal	Normal	33.8	38.0	1.50	47.0	15.1	0.446	-1.60
38_1_5_119	MW-28	Part 115	Nickel	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.00366	0.00300	0.000460	0.00730	0.00281	0.769	0.330
38_1_5_128	MW-28	Part 115	Vanadium	mg/L	8	2	25%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000668	0.000670	0.000500	0.000800	0.000105	0.158	-0.554
38_1_5_129	MW-28	Part 115	Zinc	mg/L	8	0	0%	2024-04-07 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.0710	0.0390	0.00140	0.280	0.0928	1.31	1.97
40_1_3_105	MW-30	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Lognormal	Lognormal	1.94	1.90	1.40	3.50	0.442	0.228	2.69
40_1_3_107	MW-30	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	498	465	62.0	960	179	0.360	0.355
40_1_3_108	MW-30	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	408	190	82.0	1200	426	1.05	1.05
40_1_3_112	MW-30	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	1.07	1.10	0.570	1.40	0.179	0.167	-1.16
40_1_3_120	MW-30	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	7.05	7.07	6.48	7.25	0.180	0.0255	-2.03
40_1_3_124	MW-30	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Normal	Normal	833	855	440	1000	167	0.200	-1.07
40_1_3_126	MW-30	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	2633	2300	1800	4300	759	0.288	1.27
40_1_4_101	MW-30	Appendix IV	Antimony	mg/L	18	14	78%	2022-11-30 to 2026-02-16		Nonparametric	0.000682	0.000565	0.000400	0.00120	0.000360	0.528	1.53
40_1_4_102	MW-30	Appendix IV	Arsenic	mg/L	18	2	11%	2022-11-30 to 2026-02-16	Gamma; Lognormal	Gamma	0.00134	0.000605	0.000120	0.00800	0.00195	1.45	2.98
40_1_4_103	MW-30	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.0702	0.0665	0.0410	0.110	0.0215	0.306	0.457
40_1_4_104	MW-30	Appendix IV	Beryllium	mg/L	18	14	78%	2022-11-30 to 2026-02-16		Nonparametric	0.0000735	0.0000655	0.0000530	0.000110	0.0000252	0.343	1.60
40_1_4_106	MW-30	Appendix IV	Cadmium	mg/L	18	17	94%	2022-11-30 to 2026-02-16		Nonparametric	0.000320	0.000320	0.000320	0.000320	NA	NA	NA
40_1_4_109	MW-30	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.00941	0.00840	0.00310	0.0230	0.00461	0.490	1.45
40_1_4_110	MW-30	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.00403	0.00110	0.000470	0.0460	0.0106	2.62	4.13
40_1_4_113	MW-30	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	1.07	1.10	0.570	1.40	0.179	0.167	-1.16
40_1_4_115	MW-30	Appendix IV	Lead	mg/L	18	16	89%	2022-11-30 to 2026-02-16		Nonparametric	0.0299	0.0299	0.00170	0.0580	0.0398	1.33	NA
40_1_4_116	MW-30	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.139	0.125	0.0860	0.270	0.0426	0.306	1.83
40_1_4_117	MW-30	Appendix IV	Mercury	ng/L	18	16	89%	2022-11-30 to 2026-02-16		Nonparametric	195	195	0.230	390	276	1.41	NA
40_1_4_118	MW-30	Appendix IV	Molybdenum	mg/L	18	3	17%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.00459	0.00120	0.000320	0.0320	0.00890	1.94	2.70
40_1_4_121	MW-30	Appendix IV	Radium 226 and 228	pCi/L	18	10	56%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Nonparametric	0.661	0.595	0.445	0.911	0.178	0.269	0.448
40_1_4_122	MW-30	Appendix IV	Selenium	mg/L	18	7	39%	2022-11-30 to 2026-02-16	Lognormal	Lognormal	0.000294	0.000140	0.000100	0.00150	0.000409	1.39	3.08
40_1_5_111	MW-30	Part 115	Copper	mg/L	18	12	67%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.00244	0.000325	0.000200	0.0130	0.00518	2.12	2.45
40_1_5_114	MW-30	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal	Gamma	3.83	2.70	0.870	17.0	3.86	1.01	2.63
40_1_5_119	MW-30	Part 115	Nickel	mg/L	18	3	17%	2022-11-30 to 2026-02-16	Lognormal	Nonparametric	0.0104	0.00190	0.000700	0.110	0.0277	2.65	3.79
40_1_5_123	MW-30	Part 115	Silver	mg/L	18	17	94%	2022-11-30 to 2026-02-16		Nonparametric	0.000120	0.000120	0.000120	0.000120	NA	NA	NA
40_1_5_128	MW-30	Part 115	Vanadium	mg/L	18	15	83%	2022-11-30 to 2026-02-16		Nonparametric	0.00830	0.000470	0.000420	0.0240	0.0136	1.64	1.73
40_1_5_129	MW-30	Part 115	Zinc	mg/L	18	10	56%	2022-11-30 to 2026-02-16	Gamma; Lognormal	Nonparametric	0.0272	0.00510	0.00110	0.100	0.0382	1.41	1.42
41_1_3_105	MW-31	Appendix III	Boron	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Normal	4.96	4.65	3.60	7.00	0.971	0.196	0.781
41_1_3_107	MW-31	Appendix III	Calcium	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Lognormal	Lognormal	177	170	130	330	43.8	0.248	2.66
41_1_3_108	MW-31	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	111	105	87.0	170	23.2	0.209	1.98
41_1_3_112	MW-31	Appendix III	Fluoride	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	4.48	4.60	2.80	5.20	0.608	0.136	-1.63
41_1_3_120	MW-31	Appendix III	pH (field)	su	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Normal	7.83	7.81	7.59	8.08	0.131	0.0167	0.368
41_1_3_124	MW-31	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal	Gamma	173	155	19.0	650	141	0.814	2.40
41_1_3_126	MW-31	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	853	810	730	1500	176	0.206	3.22
41_1_4_101	MW-31	Appendix IV	Antimony	mg/L	18	7	39%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Gamma	0.000419	0.000380	0.0000690	0.00110	0.000388	0.925	1.03

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
41_1_4_102	MW-31	Appendix IV	Arsenic	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	0.00167	0.00120	0.000730	0.00820	0.00166	0.992	4.01
41_1_4_103	MW-31	Appendix IV	Barium	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.186	0.170	0.0990	0.380	0.0693	0.372	1.42
41_1_4_104	MW-31	Appendix IV	Beryllium	mg/L	18	15	83%	2022-12-01 to 2026-02-16		Nonparametric	0.0000800	0.0000900	0.0000540	0.0000960	0.0000227	0.284	-1.60
41_1_4_106	MW-31	Appendix IV	Cadmium	mg/L	18	17	94%	2022-12-01 to 2026-02-16		Nonparametric	0.0000840	0.0000840	0.0000840	0.0000840	NA	NA	NA
41_1_4_109	MW-31	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.00254	0.00230	0.00170	0.00410	0.000780	0.307	1.02
41_1_4_110	MW-31	Appendix IV	Cobalt	mg/L	18	3	17%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	0.000251	0.000180	0.000100	0.00110	0.000243	0.970	3.46
41_1_4_113	MW-31	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	4.48	4.60	2.80	5.20	0.608	0.136	-1.63
41_1_4_115	MW-31	Appendix IV	Lead	mg/L	18	13	72%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Nonparametric	0.000340	0.000310	0.000250	0.000450	0.0000990	0.291	0.363
41_1_4_116	MW-31	Appendix IV	Lithium	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.0507	0.0520	0.0300	0.0730	0.00957	0.189	0.0814
41_1_4_117	MW-31	Appendix IV	Mercury	ng/L	18	14	78%	2022-12-01 to 2026-02-16		Nonparametric	1.63	1.55	0.710	2.70	0.826	0.508	0.531
41_1_4_118	MW-31	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	0.00240	0.00125	0.000400	0.0130	0.00328	1.37	2.74
41_1_4_121	MW-31	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	2022-12-01 to 2026-02-16	Gamma; Lognormal	Gamma	0.733	0.632	0.502	1.23	0.251	0.342	1.43
41_1_4_122	MW-31	Appendix IV	Selenium	mg/L	18	6	33%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	0.00335	0.000145	0.000100	0.0380	0.0109	3.26	3.46
41_1_4_125	MW-31	Appendix IV	Thallium	mg/L	18	17	94%	2022-12-01 to 2026-02-16		Nonparametric	0.0000880	0.0000880	0.0000880	0.0000880	NA	NA	NA
41_1_5_111	MW-31	Part 115	Copper	mg/L	18	10	56%	2022-12-01 to 2026-02-16	Nonparametric	Nonparametric	0.000846	0.000320	0.000230	0.00320	0.00107	1.26	1.98
41_1_5_114	MW-31	Part 115	Iron	mg/L	18	0	0%	2022-12-01 to 2026-02-16	Gamma; Lognormal	Gamma	0.984	0.580	0.120	5.70	1.34	1.37	2.83
41_1_5_119	MW-31	Part 115	Nickel	mg/L	18	10	56%	2022-12-01 to 2026-02-16	Gamma; Lognormal	Nonparametric	0.122	0.0128	0.00140	0.640	0.224	1.83	2.23
41_1_5_128	MW-31	Part 115	Vanadium	mg/L	18	12	67%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Nonparametric	0.000660	0.000665	0.000450	0.000830	0.000134	0.202	-0.462
41_1_5_129	MW-31	Part 115	Zinc	mg/L	18	9	50%	2022-12-01 to 2026-02-16	Gamma; Lognormal; Normal	Nonparametric	0.00858	0.00820	0.00140	0.0290	0.00886	1.03	1.70
42_1_3_105	MW-32	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	3.74	3.40	2.60	5.70	0.994	0.266	0.911
42_1_3_107	MW-32	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	174	175	130	230	27.1	0.155	0.389
42_1_3_108	MW-32	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	46.8	47.0	38.0	61.0	5.54	0.118	0.663
42_1_3_112	MW-32	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	1.48	1.50	1.10	1.90	0.196	0.132	0.138
42_1_3_120	MW-32	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	7.61	7.61	7.50	7.75	0.0711	0.00935	0.147
42_1_3_124	MW-32	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Gamma	81.3	68.5	5.90	240	71.9	0.884	0.703
42_1_3_126	MW-32	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	691	685	550	850	90.6	0.131	0.0308
42_1_4_101	MW-32	Appendix IV	Antimony	mg/L	18	14	78%	2022-11-30 to 2026-02-16		Nonparametric	0.000245	0.000106	0.0000670	0.000700	0.000305	1.25	1.93
42_1_4_102	MW-32	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.000616	0.000515	0.000380	0.00240	0.000452	0.734	4.02
42_1_4_103	MW-32	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.651	0.585	0.0590	1.40	0.361	0.555	0.669
42_1_4_104	MW-32	Appendix IV	Beryllium	mg/L	18	17	94%	2022-11-30 to 2026-02-16		Nonparametric	0.0000700	0.0000700	0.0000700	0.0000700	NA	NA	NA
42_1_4_106	MW-32	Appendix IV	Cadmium	mg/L	18	16	89%	2022-11-30 to 2026-02-16		Nonparametric	0.000195	0.000195	0.000190	0.000200	0.00000707	0.0363	NA
42_1_4_109	MW-32	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.000554	0.000380	0.000310	0.00300	0.000618	1.11	4.07
42_1_4_110	MW-32	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Lognormal	Lognormal	0.000506	0.000400	0.000210	0.00190	0.000371	0.733	3.42
42_1_4_113	MW-32	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	1.48	1.50	1.10	1.90	0.196	0.132	0.138
42_1_4_115	MW-32	Appendix IV	Lead	mg/L	18	13	72%	2022-11-30 to 2026-02-16	Lognormal; Normal	Nonparametric	0.000290	0.000380	0.000120	0.000420	0.000147	0.507	-0.573
42_1_4_116	MW-32	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.133	0.130	0.0940	0.200	0.0322	0.243	0.667
42_1_4_117	MW-32	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-30 to 2026-02-16		Nonparametric	476	0.920	0.340	1900	950	2.0	2.0
42_1_4_118	MW-32	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	0.00376	0.00380	0.00110	0.00730	0.00141	0.374	0.421
42_1_4_121	MW-32	Appendix IV	Radium 226 and 228	pCi/L	18	9	50%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Nonparametric	0.744	0.726	0.550	0.985	0.149	0.200	0.253
42_1_4_122	MW-32	Appendix IV	Selenium	mg/L	18	14	78%	2022-11-30 to 2026-02-16		Nonparametric	0.000342	0.000135	0.000100	0.00100	0.000439	1.28	1.99
42_1_5_111	MW-32	Part 115	Copper	mg/L	18	11	61%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.00254	0.000310	0.000200	0.0160	0.00593	2.33	2.64
42_1_5_114	MW-32	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Gamma; Lognormal; Normal	Normal	16.4	16.5	11.0	25.0	3.63	0.222	0.492
42_1_5_119	MW-32	Part 115	Nickel	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.00237	0.000980	0.000680	0.0230	0.00517	2.18	4.18

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
42_1_5_129	MW-32	Part 115	Zinc	mg/L	18	0	0%	2022-11-30 to 2026-02-16	Nonparametric	Nonparametric	0.0150	0.00360	0.00220	0.0680	0.0212	1.41	1.62
46_1_3_105	MW-36	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.417	0.410	0.250	0.610	0.135	0.324	0.146
46_1_3_107	MW-36	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	67.6	68.5	56.0	81.0	8.07	0.119	0.178
46_1_3_108	MW-36	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	32.9	33.0	25.0	39.0	4.55	0.138	-0.365
46_1_3_112	MW-36	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.720	0.675	0.610	0.920	0.123	0.171	1.09
46_1_3_120	MW-36	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	9.11	9.12	7.07	10.4	0.989	0.109	-1.13
46_1_3_124	MW-36	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	10.6	9.25	5.70	21.0	5.54	0.522	1.22
46_1_3_126	MW-36	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	425	435	330	480	50.4	0.119	-0.891
46_1_4_101	MW-36	Appendix IV	Antimony	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Lognormal	Lognormal	0.00126	0.000780	0.000570	0.00290	0.000823	0.656	1.40
46_1_4_102	MW-36	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Lognormal	Lognormal	0.0151	0.0120	0.00710	0.0290	0.00880	0.584	1.24
46_1_4_103	MW-36	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.194	0.185	0.130	0.250	0.0460	0.237	0.0671
46_1_4_104	MW-36	Appendix IV	Beryllium	mg/L	8	7	88%	2024-04-08 to 2026-02-18		Nonparametric	0.0000590	0.0000590	0.0000590	0.0000590	NA	NA	NA
46_1_4_106	MW-36	Appendix IV	Cadmium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000292	0.000195	0.0000940	0.000820	0.000246	0.842	1.70
46_1_4_109	MW-36	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00162	0.00140	0.000970	0.00310	0.000710	0.438	1.46
46_1_4_110	MW-36	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000215	0.000195	0.000160	0.000280	0.0000504	0.235	0.392
46_1_4_113	MW-36	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.720	0.675	0.610	0.920	0.123	0.171	1.09
46_1_4_115	MW-36	Appendix IV	Lead	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0199	0.0140	0.00600	0.0510	0.0154	0.773	1.34
46_1_4_116	MW-36	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00926	0.00945	0.00420	0.0140	0.00339	0.366	-0.171
46_1_4_117	MW-36	Appendix IV	Mercury	ng/L	8	4	50%	2024-04-08 to 2026-02-18		Nonparametric	7.78	8.10	3.90	11.0	3.27	0.421	-0.348
46_1_4_118	MW-36	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0274	0.0240	0.0170	0.0420	0.00912	0.333	0.592
46_1_4_122	MW-36	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000588	0.000620	0.000460	0.000720	0.0000953	0.162	-0.213
46_1_5_111	MW-36	Part 115	Copper	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00732	0.00590	0.00250	0.0190	0.00567	0.775	1.37
46_1_5_114	MW-36	Part 115	Iron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.614	0.480	0.350	1.10	0.284	0.462	0.852
46_1_5_119	MW-36	Part 115	Nickel	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00622	0.00550	0.00320	0.0110	0.00245	0.393	1.10
46_1_5_123	MW-36	Part 115	Silver	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000177	0.000110	0.0000510	0.000570	0.000172	0.975	2.07
46_1_5_128	MW-36	Part 115	Vanadium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00355	0.00325	0.00240	0.00520	0.00110	0.310	0.851
46_1_5_129	MW-36	Part 115	Zinc	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0117	0.0109	0.00380	0.0240	0.00750	0.644	0.594
47_1_3_105	MW-37	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	4.03	3.95	1.90	5.90	1.29	0.320	-0.248
47_1_3_107	MW-37	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	152	150	120	200	23.8	0.156	0.970
47_1_3_108	MW-37	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	20.5	16.5	9.70	40.0	9.77	0.478	1.29
47_1_3_112	MW-37	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.515	0.510	0.390	0.630	0.0878	0.171	-0.301
47_1_3_120	MW-37	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	7.31	7.26	7.15	7.56	0.153	0.0209	0.615
47_1_3_124	MW-37	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	221	245	110	320	75.7	0.342	-0.685
47_1_3_126	MW-37	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	735	750	620	840	81.1	0.110	-0.370
47_1_4_101	MW-37	Appendix IV	Antimony	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000269	0.000170	0.000110	0.000640	0.000188	0.702	1.61
47_1_4_102	MW-37	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000661	0.000625	0.000460	0.00110	0.000207	0.313	1.45
47_1_4_103	MW-37	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0651	0.0685	0.0400	0.0980	0.0204	0.313	0.199
47_1_4_104	MW-37	Appendix IV	Beryllium	mg/L	8	7	88%	2024-04-08 to 2026-02-18		Nonparametric	0.0000760	0.0000760	0.0000760	0.0000760	NA	NA	NA
47_1_4_106	MW-37	Appendix IV	Cadmium	mg/L	8	5	62%	2024-04-08 to 2026-02-18		Nonparametric	0.000120	0.000120	0.000110	0.000130	0.0000100	0.0833	-0.00000000000000592
47_1_4_109	MW-37	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal	Gamma	0.000478	0.000320	0.000220	0.00150	0.000425	0.891	2.53
47_1_4_110	MW-37	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000527	0.000520	0.000290	0.000760	0.000165	0.313	0.268
47_1_4_113	MW-37	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.515	0.510	0.390	0.630	0.0878	0.171	-0.301
47_1_4_115	MW-37	Appendix IV	Lead	mg/L	8	2	25%	2024-04-08 to 2026-02-18	Lognormal	Nonparametric	0.00192	0.000345	0.000110	0.0100	0.00396	2.07	2.43

(Table continues on next page)

Table 2: Summary Statistics, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	Distributions Fit	Recommended Distribution	Mean	Median	Minimum	Maximum	SD	CV	Skewness
47_1_4_116	MW-37	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0151	0.0150	0.00930	0.0220	0.00491	0.324	0.114
47_1_4_117	MW-37	Appendix IV	Mercury	ng/L	8	4	50%	2024-04-08 to 2026-02-18		Nonparametric	2.75	1.70	1.10	6.50	2.52	0.915	1.92
47_1_4_118	MW-37	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00990	0.00945	0.00640	0.0150	0.00318	0.321	0.427
47_1_4_121	MW-37	Appendix IV	Radium 226 and 228	pCi/L	8	5	62%	2024-04-08 to 2026-02-18		Nonparametric	0.711	0.638	0.550	0.946	0.208	0.292	1.39
47_1_4_122	MW-37	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00165	0.00100	0.000470	0.00460	0.00145	0.877	1.50
47_1_5_111	MW-37	Part 115	Copper	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal	Gamma	0.0143	0.0125	0.00520	0.0410	0.0113	0.787	2.33
47_1_5_114	MW-37	Part 115	Iron	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	1.51	1.70	0.0260	3.40	1.22	0.809	0.184
47_1_5_119	MW-37	Part 115	Nickel	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00355	0.00360	0.00170	0.00520	0.00108	0.306	-0.177
47_1_5_123	MW-37	Part 115	Silver	mg/L	8	7	88%	2024-04-08 to 2026-02-18		Nonparametric	0.000170	0.000170	0.000170	0.000170	NA	NA	NA
47_1_5_128	MW-37	Part 115	Vanadium	mg/L	8	4	50%	2024-04-08 to 2026-02-18		Nonparametric	0.000522	0.000530	0.000300	0.000730	0.000210	0.401	-0.0867
47_1_5_129	MW-37	Part 115	Zinc	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0148	0.0160	0.00970	0.0200	0.00381	0.257	-0.203
48_2_3_105	MW-38	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	1.65	1.75	0.470	3.00	0.885	0.536	-0.0367
48_2_3_107	MW-38	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Nonparametric	Nonparametric	155	93.5	72.0	560	165	1.07	2.71
48_2_3_108	MW-38	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	37.2	38.0	11.0	58.0	18.2	0.488	-0.368
48_2_3_112	MW-38	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.965	0.855	0.590	1.80	0.390	0.404	1.60
48_2_3_120	MW-38	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	9.18	9.14	8.33	10.0	0.482	0.0525	-0.0273
48_2_3_124	MW-38	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	174	165	110	280	57.3	0.330	0.804
48_2_3_126	MW-38	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	634	600	350	980	234	0.369	0.264
48_2_4_101	MW-38	Appendix IV	Antimony	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00108	0.00110	0.000310	0.00180	0.000560	0.519	0.0474
48_2_4_102	MW-38	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00426	0.00415	0.00230	0.00710	0.00170	0.399	0.446
48_2_4_103	MW-38	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0984	0.0915	0.0360	0.170	0.0499	0.507	0.313
48_2_4_104	MW-38	Appendix IV	Beryllium	mg/L	8	5	62%	2024-04-08 to 2026-02-18		Nonparametric	0.0000707	0.0000670	0.0000550	0.0000900	0.0000178	0.252	0.888
48_2_4_106	MW-38	Appendix IV	Cadmium	mg/L	8	3	38%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Nonparametric	0.000253	0.000160	0.0000960	0.000490	0.000169	0.666	0.789
48_2_4_109	MW-38	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00791	0.00580	0.00280	0.0160	0.00505	0.638	0.632
48_2_4_110	MW-38	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000486	0.000510	0.000250	0.000790	0.000202	0.415	0.233
48_2_4_113	MW-38	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.965	0.855	0.590	1.80	0.390	0.404	1.60
48_2_4_115	MW-38	Appendix IV	Lead	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.0295	0.0150	0.00530	0.0860	0.0312	1.05	1.33
48_2_4_116	MW-38	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0993	0.109	0.0470	0.140	0.0331	0.334	-0.709
48_2_4_117	MW-38	Appendix IV	Mercury	ng/L	8	4	50%	2024-04-08 to 2026-02-18		Nonparametric	22.3	24.0	9.30	32.0	9.78	0.438	-0.859
48_2_4_118	MW-38	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.0127	0.0114	0.00100	0.0250	0.00806	0.635	0.380
48_2_4_122	MW-38	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.000755	0.000710	0.000120	0.00150	0.000410	0.543	0.413
48_2_5_111	MW-38	Part 115	Copper	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal	Gamma	0.00808	0.00450	0.000980	0.0200	0.00765	0.946	1.07
48_2_5_114	MW-38	Part 115	Iron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Gamma	0.899	0.450	0.130	3.30	1.06	1.18	2.01
48_2_5_119	MW-38	Part 115	Nickel	mg/L	8	0	0%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00519	0.00455	0.000710	0.00960	0.00290	0.559	0.136
48_2_5_123	MW-38	Part 115	Silver	mg/L	8	5	62%	2024-04-08 to 2026-02-18		Nonparametric	0.000135	0.000150	0.0000650	0.000190	0.0000638	0.473	-0.999
48_2_5_128	MW-38	Part 115	Vanadium	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.00913	0.00810	0.00490	0.0150	0.00406	0.445	0.591
48_2_5_129	MW-38	Part 115	Zinc	mg/L	8	1	12%	2024-04-08 to 2026-02-18	Gamma; Lognormal; Normal	Normal	0.0122	0.0150	0.00380	0.0210	0.00736	0.604	-0.0740

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
11_2_3_105	MW-01R	Appendix III	Boron	mg/L	18	0	0%	0.951	0.434	0.121	0.691	0.896	0.049	0.175	0.153	0.148	>= 0.10	0.479	>= 0.10	0.384	Gamma; Lognormal; Normal	Normal
11_2_3_107	MW-01R	Appendix III	Calcium	mg/L	18	0	0%	0.943	0.329	0.116	0.747	0.974	0.862	0.114	0.780	0.123	>= 0.10	0.232	>= 0.10	0.321	Gamma; Lognormal; Normal	Normal
11_2_3_108	MW-01R	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.952	0.461	0.169	0.188	0.873	0.020	0.211	0.034	0.194	0.05 <= p < 0.10	0.739	0.05 <= p < 0.10	0.417	Gamma; Normal	Normal
11_2_3_112	MW-01R	Appendix III	Fluoride	mg/L	18	0	0%	0.916	0.109	0.244	0.006	0.860	0.012	0.256	0.003	0.259	< 0.01	0.899	0.01 <= p < 0.05	0.345	Normal	Normal
11_2_3_120	MW-01R	Appendix III	pH (field)	su	18	0	0%	0.411	0.000	0.344	0.000	0.393	0.000	0.362	0.000	0.349	< 0.01	4.315	< 0.01	0.059	Nonparametric	Nonparametric
11_2_3_124	MW-01R	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.942	0.313	0.135	0.526	0.865	0.015	0.196	0.067	0.139	>= 0.10	0.383	>= 0.10	1.203	Gamma; Lognormal; Normal	Gamma
11_2_3_126	MW-01R	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.942	0.312	0.200	0.055	0.939	0.278	0.207	0.040	0.209	0.01 <= p < 0.05	0.652	0.05 <= p < 0.10	0.051	Gamma; Lognormal; Normal	Normal
11_2_4_101	MW-01R	Appendix IV	Antimony	mg/L	18	3	17%	0.678	0.000	0.355	0.000	0.814	0.006	0.236	0.024	0.287	< 0.01	1.520	< 0.01	0.627	Nonparametric	Nonparametric
11_2_4_102	MW-01R	Appendix IV	Arsenic	mg/L	18	0	0%	0.709	0.000	0.259	0.002	0.883	0.030	0.215	0.027	0.217	0.01 <= p < 0.05	1.078	< 0.01	0.376	Nonparametric	Nonparametric
11_2_4_103	MW-01R	Appendix IV	Barium	mg/L	18	0	0%	0.899	0.056	0.148	0.373	0.967	0.749	0.120	0.700	0.138	>= 0.10	0.299	>= 0.10	0.383	Gamma; Lognormal; Normal	Normal
11_2_4_104	MW-01R	Appendix IV	Beryllium	mg/L	18	2	11%	0.895	0.067	0.177	0.195	0.910	0.116	0.163	0.307	0.172	>= 0.10	0.554	>= 0.10	0.394	Gamma; Lognormal; Normal	Normal
11_2_4_106	MW-01R	Appendix IV	Cadmium	mg/L	18	13	72%	0.888	0.348	0.260	0.324	0.934	0.623	0.217	0.610	0.245	>= 0.10	0.325	>= 0.10	0.710	Gamma; Lognormal; Normal	Nonparametric
11_2_4_109	MW-01R	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.403	0.000	0.362	0.000	0.753	0.000	0.190	0.085	0.255	< 0.01	2.344	< 0.01	0.658	Lognormal	Lognormal
11_2_4_110	MW-01R	Appendix IV	Cobalt	mg/L	18	0	0%	0.401	0.000	0.371	0.000	0.776	0.001	0.248	0.005	0.277	< 0.01	2.523	< 0.01	0.839	Nonparametric	Nonparametric
11_2_4_113	MW-01R	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.916	0.109	0.244	0.006	0.860	0.012	0.256	0.003	0.259	< 0.01	0.899	0.01 <= p < 0.05	0.345	Normal	Normal
11_2_4_115	MW-01R	Appendix IV	Lead	mg/L	18	2	11%	0.668	0.000	0.283	0.001	0.916	0.143	0.177	0.197	0.224	0.01 <= p < 0.05	1.015	0.01 <= p < 0.05	0.765	Lognormal	Lognormal
11_2_4_116	MW-01R	Appendix IV	Lithium	mg/L	18	0	0%	0.946	0.371	0.110	0.818	0.867	0.016	0.159	0.264	0.149	>= 0.10	0.587	>= 0.10	0.382	Gamma; Lognormal; Normal	Normal
11_2_4_117	MW-01R	Appendix IV	Mercury	ng/L	18	15	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.919		Nonparametric
11_2_4_118	MW-01R	Appendix IV	Molybdenum	mg/L	18	2	11%	0.603	0.000	0.290	0.001	0.910	0.118	0.194	0.111	0.247	0.01 <= p < 0.05	0.933	0.01 <= p < 0.05	0.756	Lognormal	Lognormal
11_2_4_121	MW-01R	Appendix IV	Radium 226 and 228	pCi/L	18	12	67%	0.897	0.358	0.248	0.296	0.874	0.243	0.284	0.137	0.283	>= 0.10	0.437	>= 0.10	0.302	Gamma; Lognormal; Normal	Nonparametric
11_2_4_122	MW-01R	Appendix IV	Selenium	mg/L	18	0	0%	0.722	0.000	0.292	0.000	0.903	0.066	0.210	0.035	0.232	0.01 <= p < 0.05	0.893	0.01 <= p < 0.05	0.358	Lognormal	Lognormal
11_2_4_125	MW-01R	Appendix IV	Thallium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_2_5_111	MW-01R	Part 115	Copper	mg/L	18	6	33%	0.687	0.001	0.349	0.000	0.756	0.003	0.254	0.032	0.296	< 0.01	1.540	< 0.01	0.622	Nonparametric	Nonparametric
11_2_5_114	MW-01R	Part 115	Iron	mg/L	18	0	0%	0.898	0.053	0.198	0.060	0.910	0.087	0.200	0.056	0.175	>= 0.10	0.609	>= 0.10	1.032	Gamma; Lognormal; Normal	Gamma
11_2_5_119	MW-01R	Part 115	Nickel	mg/L	18	0	0%	0.505	0.000	0.414	0.000	0.745	0.000	0.274	0.001	0.350	< 0.01	2.771	< 0.01	0.807	Nonparametric	Nonparametric
11_2_5_123	MW-01R	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
11_2_5_128	MW-01R	Part 115	Vanadium	mg/L	18	2	11%	0.909	0.112	0.253	0.007	0.929	0.234	0.152	0.420	0.185	>= 0.10	0.461	>= 0.10	0.574	Gamma; Lognormal; Normal	Normal
11_2_5_129	MW-01R	Part 115	Zinc	mg/L	18	3	17%	0.771	0.002	0.256	0.009	0.843	0.014	0.232	0.029	0.249	0.01 <= p < 0.05	0.979	0.01 <= p < 0.05	1.442	Nonparametric	Nonparametric
12_2_3_105	MW-02	Appendix III	Boron	mg/L	18	0	0%	0.856	0.011	0.290	0.000	0.921	0.137	0.235	0.010	0.253	< 0.01	0.894	0.01 <= p < 0.05	0.287	Lognormal	Lognormal
12_2_3_107	MW-02	Appendix III	Calcium	mg/L	18	0	0%	0.943	0.324	0.153	0.326	0.950	0.427	0.154	0.310	0.156	>= 0.10	0.428	>= 0.10	0.092	Gamma; Lognormal; Normal	Normal
12_2_3_108	MW-02	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.596	0.000	0.359	0.000	0.497	0.000	0.396	0.000	0.386	< 0.01	3.040	< 0.01	0.191	Nonparametric	Nonparametric
12_2_3_112	MW-02	Appendix III	Fluoride	mg/L	18	0	0%	0.896	0.048	0.251	0.004	0.835	0.005	0.237	0.009	0.218	0.01 <= p < 0.05	0.996	0.01 <= p < 0.05	0.270	Nonparametric	Nonparametric
12_2_3_120	MW-02	Appendix III	pH (field)	su	18	0	0%	0.942	0.313	0.159	0.268	0.944	0.342	0.158	0.274	0.163	>= 0.10	0.413	>= 0.10	0.014	Gamma; Lognormal; Normal	Normal
12_2_3_124	MW-02	Appendix III	Sulfate (as SO4)	mg/L	18	10	56%	0.945	0.660	0.145	0.889	0.941	0.618	0.159	0.800	0.158	>= 0.10	0.273	>= 0.10	0.348	Gamma; Lognormal; Normal	Nonparametric
12_2_3_126	MW-02	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.908	0.079	0.173	0.167	0.939	0.274	0.146	0.394	0.153	>= 0.10	0.478	>= 0.10	0.130	Gamma; Lognormal; Normal	Normal
12_2_4_101	MW-02	Appendix IV	Antimony	mg/L	18	3	17%	0.752	0.001	0.246	0.015	0.900	0.097	0.148	0.507	0.175	>= 0.10	0.743	0.01 <= p < 0.05	0.415	Gamma; Lognormal	Gamma
12_2_4_102	MW-02	Appendix IV	Arsenic	mg/L	18	0	0%	0.901	0.061	0.140	0.458	0.526	0.000	0.337	0.000	0.272	< 0.01	2.075	< 0.01	0.707	Normal	Normal
12_2_4_103	MW-02	Appendix IV	Barium	mg/L	18	0	0%	0.915	0.107	0.157	0.280	0.936	0.247	0.169	0.189	0.155	>= 0.10	0.521	>= 0.10	0.201	Gamma; Lognormal; Normal	Normal
12_2_4_104	MW-02	Appendix IV	Beryllium	mg/L	18	1	6%	0.954	0.522	0.108	0.866	0.983	0.977	0.117	0.775	0.095	>= 0.10	0.170	>= 0.10	0.402	Gamma; Lognormal; Normal	Normal

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
12_2_4_106	MW-02	Appendix IV	Cadmium	mg/L	18	12	67%	0.604	0.001	0.435	0.001	0.807	0.068	0.317	0.059	0.381	0.01 <= p < 0.05	0.878	0.01 <= p < 0.05	0.892	Lognormal	Nonparametric
12_2_4_109	MW-02	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.954	0.483	0.108	0.840	0.546	0.000	0.302	0.000	0.239	0.01 <= p < 0.05	1.547	< 0.01	1.176	Normal	Normal
12_2_4_110	MW-02	Appendix IV	Cobalt	mg/L	18	0	0%	0.981	0.957	0.132	0.562	0.642	0.000	0.284	0.000	0.246	< 0.01	1.149	< 0.01	0.853	Normal	Normal
12_2_4_113	MW-02	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.896	0.048	0.251	0.004	0.835	0.005	0.237	0.009	0.218	0.01 <= p < 0.05	0.996	0.01 <= p < 0.05	0.270	Nonparametric	Nonparametric
12_2_4_115	MW-02	Appendix IV	Lead	mg/L	18	1	6%	0.908	0.091	0.192	0.094	0.957	0.575	0.115	0.794	0.148	>= 0.10	0.384	>= 0.10	0.533	Gamma; Lognormal; Normal	Normal
12_2_4_116	MW-02	Appendix IV	Lithium	mg/L	18	0	0%	0.885	0.032	0.248	0.005	0.938	0.264	0.202	0.050	0.218	0.01 <= p < 0.05	0.674	0.05 <= p < 0.10	0.247	Gamma; Lognormal	Gamma
12_2_4_117	MW-02	Appendix IV	Mercury	ng/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.517		Nonparametric
12_2_4_118	MW-02	Appendix IV	Molybdenum	mg/L	18	0	0%	0.692	0.000	0.254	0.003	0.878	0.024	0.210	0.035	0.235	0.01 <= p < 0.05	1.189	< 0.01	0.527	Nonparametric	Nonparametric
12_2_4_121	MW-02	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	0.904	0.206	0.193	0.298	0.984	0.985	0.110	0.968	0.134	>= 0.10	0.214	>= 0.10	0.452	Gamma; Lognormal; Normal	Normal
12_2_4_122	MW-02	Appendix IV	Selenium	mg/L	18	0	0%	0.957	0.542	0.177	0.142	0.923	0.148	0.179	0.135	0.151	>= 0.10	0.407	>= 0.10	0.404	Gamma; Lognormal; Normal	Normal
12_2_4_125	MW-02	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_2_5_111	MW-02	Part 115	Copper	mg/L	18	0	0%	0.950	0.431	0.138	0.486	0.896	0.049	0.163	0.236	0.122	>= 0.10	0.261	>= 0.10	0.704	Gamma; Lognormal; Normal	Normal
12_2_5_114	MW-02	Part 115	Iron	mg/L	18	0	0%	0.952	0.457	0.144	0.411	0.964	0.677	0.121	0.688	0.133	>= 0.10	0.256	>= 0.10	0.164	Gamma; Lognormal; Normal	Normal
12_2_5_119	MW-02	Part 115	Nickel	mg/L	18	0	0%	0.892	0.041	0.231	0.012	0.743	0.000	0.259	0.002	0.195	0.05 <= p < 0.10	0.721	0.05 <= p < 0.10	0.910	Gamma	Gamma
12_2_5_123	MW-02	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
12_2_5_128	MW-02	Part 115	Vanadium	mg/L	18	1	6%	0.963	0.686	0.122	0.716	0.896	0.058	0.160	0.294	0.157	>= 0.10	0.416	>= 0.10	0.494	Gamma; Lognormal; Normal	Normal
12_2_5_129	MW-02	Part 115	Zinc	mg/L	18	0	0%	0.673	0.000	0.400	0.000	0.793	0.001	0.305	0.000	0.362	< 0.01	2.201	< 0.01	1.121	Nonparametric	Nonparametric
13_2_3_105	MW-03	Appendix III	Boron	mg/L	18	0	0%	0.936	0.246	0.136	0.514	0.918	0.117	0.139	0.470	0.146	>= 0.10	0.434	>= 0.10	0.081	Gamma; Lognormal; Normal	Normal
13_2_3_107	MW-03	Appendix III	Calcium	mg/L	18	0	0%	0.980	0.945	0.161	0.253	0.981	0.956	0.141	0.445	0.147	>= 0.10	0.225	>= 0.10	0.103	Gamma; Lognormal; Normal	Normal
13_2_3_108	MW-03	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.877	0.023	0.146	0.390	0.952	0.463	0.111	0.809	0.120	>= 0.10	0.377	>= 0.10	0.319	Gamma; Lognormal; Normal	Normal
13_2_3_112	MW-03	Appendix III	Fluoride	mg/L	18	0	0%	0.581	0.000	0.298	0.000	0.726	0.000	0.271	0.001	0.285	< 0.01	1.967	< 0.01	0.257	Nonparametric	Nonparametric
13_2_3_120	MW-03	Appendix III	pH (field)	su	18	0	0%	0.950	0.432	0.178	0.139	0.953	0.474	0.176	0.147	0.180	>= 0.10	0.390	>= 0.10	0.013	Gamma; Lognormal; Normal	Normal
13_2_3_124	MW-03	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.948	0.388	0.102	0.888	0.876	0.022	0.188	0.093	0.153	>= 0.10	0.524	>= 0.10	1.055	Gamma; Lognormal; Normal	Gamma
13_2_3_126	MW-03	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.834	0.005	0.215	0.027	0.841	0.006	0.221	0.020	0.226	0.01 <= p < 0.05	1.220	< 0.01	0.137	Nonparametric	Nonparametric
13_2_4_101	MW-03	Appendix IV	Antimony	mg/L	18	12	67%	0.669	0.003	0.366	0.012	0.815	0.080	0.256	0.250	0.299	>= 0.10	0.738	0.01 <= p < 0.05	0.608	Gamma; Lognormal	Nonparametric
13_2_4_102	MW-03	Appendix IV	Arsenic	mg/L	18	0	0%	0.966	0.725	0.150	0.349	0.953	0.471	0.162	0.241	0.166	>= 0.10	0.276	>= 0.10	0.314	Gamma; Lognormal; Normal	Normal
13_2_4_103	MW-03	Appendix IV	Barium	mg/L	18	0	0%	0.927	0.172	0.149	0.357	0.783	0.001	0.218	0.024	0.194	0.05 <= p < 0.10	0.876	0.01 <= p < 0.05	0.292	Gamma; Normal	Normal
13_2_4_104	MW-03	Appendix IV	Beryllium	mg/L	18	11	61%	0.764	0.018	0.346	0.011	0.815	0.057	0.289	0.080	0.320	0.01 <= p < 0.05	0.756	0.01 <= p < 0.05	0.501	Lognormal	Nonparametric
13_2_4_106	MW-03	Appendix IV	Cadmium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_2_4_109	MW-03	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.919	0.126	0.176	0.149	0.948	0.387	0.163	0.232	0.174	>= 0.10	0.429	>= 0.10	0.260	Gamma; Lognormal; Normal	Normal
13_2_4_110	MW-03	Appendix IV	Cobalt	mg/L	18	0	0%	0.899	0.054	0.184	0.110	0.949	0.403	0.140	0.461	0.162	>= 0.10	0.449	>= 0.10	0.391	Gamma; Lognormal; Normal	Normal
13_2_4_113	MW-03	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.581	0.000	0.298	0.000	0.726	0.000	0.271	0.001	0.285	< 0.01	1.967	< 0.01	0.257	Nonparametric	Nonparametric
13_2_4_115	MW-03	Appendix IV	Lead	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_2_4_116	MW-03	Appendix IV	Lithium	mg/L	18	0	0%	0.807	0.002	0.215	0.028	0.879	0.025	0.190	0.085	0.202	0.05 <= p < 0.10	0.825	0.01 <= p < 0.05	0.214	Gamma; Lognormal	Gamma
13_2_4_117	MW-03	Appendix IV	Mercury	ng/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		3.092		Nonparametric
13_2_4_118	MW-03	Appendix IV	Molybdenum	mg/L	18	13	72%	0.986	0.964	0.185	0.831	0.951	0.741	0.245	0.415	0.216	>= 0.10	0.238	>= 0.10	0.383	Gamma; Lognormal; Normal	Nonparametric
13_2_4_121	MW-03	Appendix IV	Radium 226 and 228	pCi/L	17	3	18%	0.903	0.124	0.190	0.186	0.970	0.872	0.123	0.814	0.147	>= 0.10	0.303	>= 0.10	0.370	Gamma; Lognormal; Normal	Normal
13_2_4_122	MW-03	Appendix IV	Selenium	mg/L	18	3	17%	0.941	0.396	0.192	0.142	0.853	0.019	0.236	0.024	0.210	0.05 <= p < 0.10	0.599	>= 0.10	0.292	Gamma; Normal	Normal
13_2_4_125	MW-03	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
13_2_5_111	MW-03	Part 115	Copper	mg/L	18	9	50%	0.718	0.002	0.373	0.001	0.756	0.006	0.331	0.005	0.360	< 0.01	1.224	< 0.01	0.645	Nonparametric	Nonparametric
13_2_5_114	MW-03	Part 115	Iron	mg/L	18	0	0%	0.752	0.000	0.219	0.023	0.981	0.957	0.085	0.982	0.119	>= 0.10	0.292	>= 0.10	1.176	Gamma; Lognormal	Gamma
13_2_5_119	MW-03	Part 115	Nickel	mg/L	18	1	6%	0.355	0.000	0.437	0.000	0.650	0.000	0.278	0.001	0.362	< 0.01	3.117	< 0.01	0.644	Nonparametric	Nonparametric
13_2_5_123	MW-03	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
13_2_5_128	MW-03	Part 115	Vanadium	mg/L	18	9	50%	0.836	0.052	0.264	0.070	0.874	0.137	0.225	0.209	0.237	>= 0.10	0.545	>= 0.10	0.204	Gamma; Lognormal; Normal	Nonparametric
13_2_5_129	MW-03	Part 115	Zinc	mg/L	18	9	50%	0.846	0.067	0.271	0.055	0.838	0.055	0.274	0.050	0.254	>= 0.10	0.787	0.01 <= p < 0.05	1.440	Gamma; Lognormal; Normal	Nonparametric
14_2_3_105	MW-04	Appendix III	Boron	mg/L	18	0	0%	0.707	0.000	0.295	0.000	0.498	0.000	0.370	0.000	0.351	< 0.01	2.883	< 0.01	0.434	Nonparametric	Nonparametric
14_2_3_107	MW-04	Appendix III	Calcium	mg/L	18	0	0%	0.876	0.022	0.153	0.323	0.928	0.182	0.130	0.588	0.135	>= 0.10	0.583	>= 0.10	0.164	Gamma; Lognormal; Normal	Normal
14_2_3_108	MW-04	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.976	0.893	0.094	0.942	0.825	0.004	0.234	0.010	0.177	>= 0.10	0.700	0.05 <= p < 0.10	0.855	Gamma; Normal	Normal
14_2_3_112	MW-04	Appendix III	Fluoride	mg/L	18	0	0%	0.886	0.033	0.263	0.002	0.913	0.096	0.218	0.024	0.234	0.01 <= p < 0.05	0.851	0.01 <= p < 0.05	0.246	Lognormal	Lognormal
14_2_3_120	MW-04	Appendix III	pH (field)	su	18	0	0%	0.887	0.034	0.211	0.034	0.877	0.023	0.216	0.026	0.208	0.01 <= p < 0.05	0.803	0.01 <= p < 0.05	0.025	Nonparametric	Nonparametric
14_2_3_124	MW-04	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.922	0.142	0.170	0.184	0.419	0.000	0.380	0.000	0.311	< 0.01	2.971	< 0.01	1.402	Normal	Normal
14_2_3_126	MW-04	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.848	0.008	0.210	0.035	0.786	0.001	0.256	0.003	0.237	< 0.01	1.240	< 0.01	0.187	Nonparametric	Nonparametric
14_2_4_101	MW-04	Appendix IV	Antimony	mg/L	18	12	67%	0.816	0.081	0.285	0.132	0.850	0.157	0.293	0.109	0.313	0.05 <= p < 0.10	0.598	>= 0.10	0.799	Gamma; Lognormal; Normal	Nonparametric
14_2_4_102	MW-04	Appendix IV	Arsenic	mg/L	18	0	0%	0.555	0.000	0.371	0.000	0.856	0.011	0.222	0.019	0.280	< 0.01	1.593	< 0.01	0.576	Nonparametric	Nonparametric
14_2_4_103	MW-04	Appendix IV	Barium	mg/L	18	0	0%	0.574	0.000	0.318	0.000	0.783	0.001	0.221	0.020	0.233	0.01 <= p < 0.05	1.763	< 0.01	0.531	Nonparametric	Nonparametric
14_2_4_104	MW-04	Appendix IV	Beryllium	mg/L	18	15	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.275		Nonparametric
14_2_4_106	MW-04	Appendix IV	Cadmium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_2_4_109	MW-04	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.956	0.519	0.127	0.623	0.851	0.009	0.209	0.036	0.168	>= 0.10	0.683	0.05 <= p < 0.10	0.555	Gamma; Normal	Normal
14_2_4_110	MW-04	Appendix IV	Cobalt	mg/L	18	0	0%	0.692	0.000	0.258	0.002	0.951	0.448	0.178	0.138	0.212	0.01 <= p < 0.05	0.879	0.01 <= p < 0.05	0.762	Lognormal	Lognormal
14_2_4_113	MW-04	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.886	0.033	0.263	0.002	0.913	0.096	0.218	0.024	0.234	0.01 <= p < 0.05	0.851	0.01 <= p < 0.05	0.246	Lognormal	Lognormal
14_2_4_115	MW-04	Appendix IV	Lead	mg/L	18	15	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.483		Nonparametric
14_2_4_116	MW-04	Appendix IV	Lithium	mg/L	18	0	0%	0.905	0.072	0.138	0.482	0.845	0.007	0.181	0.123	0.168	>= 0.10	0.780	0.01 <= p < 0.05	0.256	Gamma; Lognormal; Normal	Normal
14_2_4_117	MW-04	Appendix IV	Mercury	ng/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.111		Nonparametric
14_2_4_118	MW-04	Appendix IV	Molybdenum	mg/L	18	2	11%	0.616	0.000	0.390	0.000	0.867	0.025	0.252	0.008	0.328	< 0.01	1.637	< 0.01	1.116	Nonparametric	Nonparametric
14_2_4_121	MW-04	Appendix IV	Radium 226 and 228	pCi/L	18	6	33%	0.904	0.181	0.179	0.361	0.876	0.078	0.194	0.241	0.184	>= 0.10	0.601	>= 0.10	0.335	Gamma; Lognormal; Normal	Normal
14_2_4_122	MW-04	Appendix IV	Selenium	mg/L	18	5	28%	0.593	0.000	0.283	0.006	0.830	0.016	0.217	0.095	0.242	0.05 <= p < 0.10	1.133	< 0.01	0.547	Gamma; Lognormal	Gamma
14_2_4_125	MW-04	Appendix IV	Thallium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_2_5_111	MW-04	Part 115	Copper	mg/L	18	13	72%	0.875	0.289	0.237	0.472	0.843	0.173	0.267	0.283	0.264	>= 0.10	0.489	>= 0.10	0.657	Gamma; Lognormal; Normal	Nonparametric
14_2_5_114	MW-04	Part 115	Iron	mg/L	18	0	0%	0.770	0.001	0.249	0.004	0.540	0.000	0.389	0.000	0.367	< 0.01	3.021	< 0.01	0.942	Nonparametric	Nonparametric
14_2_5_119	MW-04	Part 115	Nickel	mg/L	18	0	0%	0.937	0.258	0.131	0.576	0.751	0.000	0.240	0.008	0.205	0.01 <= p < 0.05	1.160	< 0.01	0.647	Normal	Normal
14_2_5_123	MW-04	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
14_2_5_128	MW-04	Part 115	Vanadium	mg/L	18	10	56%	0.954	0.753	0.182	0.611	0.936	0.577	0.175	0.671	0.194	>= 0.10	0.278	>= 0.10	0.277	Gamma; Lognormal; Normal	Nonparametric
14_2_5_129	MW-04	Part 115	Zinc	mg/L	18	10	56%	0.816	0.043	0.266	0.098	0.923	0.451	0.195	0.492	0.178	>= 0.10	0.375	>= 0.10	0.737	Gamma; Lognormal; Normal	Nonparametric
16_1_3_105	MW-06	Appendix III	Boron	mg/L	18	0	0%	0.948	0.398	0.179	0.134	0.931	0.203	0.212	0.032	0.202	0.05 <= p < 0.10	0.519	>= 0.10	0.185	Gamma; Lognormal; Normal	Normal
16_1_3_107	MW-06	Appendix III	Calcium	mg/L	18	0	0%	0.912	0.094	0.169	0.191	0.932	0.207	0.155	0.301	0.160	>= 0.10	0.479	>= 0.10	0.136	Gamma; Lognormal; Normal	Normal
16_1_3_108	MW-06	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.940	0.287	0.177	0.143	0.935	0.240	0.227	0.015	0.189	>= 0.10	0.374	>= 0.10	0.650	Gamma; Lognormal; Normal	Normal
16_1_3_112	MW-06	Appendix III	Fluoride	mg/L	18	0	0%	0.921	0.135	0.176	0.145	0.930	0.198	0.167	0.207	0.176	>= 0.10	0.498	>= 0.10	0.157	Gamma; Lognormal; Normal	Normal
16_1_3_120	MW-06	Appendix III	pH (field)	su	18	0	0%	0.625	0.000	0.304	0.000	0.604	0.000	0.315	0.000	0.303	< 0.01	2.219	< 0.01	0.032	Nonparametric	Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
16_1_3_124	MW-06	Appendix III	Sulfate (as SO4)	mg/L	18	2	11%	0.936	0.307	0.136	0.598	0.925	0.205	0.188	0.135	0.141	>= 0.10	0.273	>= 0.10	0.973	Gamma; Lognormal; Normal	Normal
16_1_3_126	MW-06	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.810	0.002	0.339	0.000	0.796	0.001	0.349	0.000	0.349	< 0.01	1.795	< 0.01	0.069	Nonparametric	Nonparametric
16_1_4_101	MW-06	Appendix IV	Antimony	mg/L	18	16	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.109		Nonparametric
16_1_4_102	MW-06	Appendix IV	Arsenic	mg/L	18	0	0%	0.926	0.168	0.161	0.254	0.957	0.545	0.109	0.822	0.127	>= 0.10	0.392	>= 0.10	0.278	Gamma; Lognormal; Normal	Normal
16_1_4_103	MW-06	Appendix IV	Barium	mg/L	18	0	0%	0.894	0.045	0.222	0.020	0.846	0.007	0.246	0.005	0.234	0.01 <= p < 0.05	0.863	0.01 <= p < 0.05	0.116	Nonparametric	Nonparametric
16_1_4_104	MW-06	Appendix IV	Beryllium	mg/L	18	16	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.065		Nonparametric
16_1_4_106	MW-06	Appendix IV	Cadmium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_1_4_109	MW-06	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.870	0.017	0.219	0.023	0.939	0.277	0.164	0.226	0.184	>= 0.10	0.608	>= 0.10	0.308	Gamma; Lognormal	Gamma
16_1_4_110	MW-06	Appendix IV	Cobalt	mg/L	18	0	0%	0.885	0.031	0.203	0.048	0.932	0.214	0.155	0.305	0.172	>= 0.10	0.617	>= 0.10	0.263	Gamma; Lognormal	Gamma
16_1_4_113	MW-06	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.921	0.135	0.176	0.145	0.930	0.198	0.167	0.207	0.176	>= 0.10	0.498	>= 0.10	0.157	Gamma; Lognormal; Normal	Normal
16_1_4_115	MW-06	Appendix IV	Lead	mg/L	18	10	56%	0.957	0.783	0.152	0.850	0.951	0.719	0.157	0.809	0.154	>= 0.10	0.239	>= 0.10	0.399	Gamma; Lognormal; Normal	Nonparametric
16_1_4_116	MW-06	Appendix IV	Lithium	mg/L	18	0	0%	0.959	0.588	0.109	0.823	0.952	0.454	0.126	0.632	0.123	>= 0.10	0.265	>= 0.10	0.222	Gamma; Lognormal; Normal	Normal
16_1_4_117	MW-06	Appendix IV	Mercury	ng/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.264		Nonparametric
16_1_4_118	MW-06	Appendix IV	Molybdenum	mg/L	18	10	56%	0.727	0.005	0.339	0.007	0.772	0.014	0.301	0.032	0.320	0.01 <= p < 0.05	0.962	< 0.01	0.295	Nonparametric	Nonparametric
16_1_4_121	MW-06	Appendix IV	Radium 226 and 228	pCi/L	18	3	17%	0.855	0.020	0.237	0.024	0.957	0.649	0.163	0.353	0.184	>= 0.10	0.478	>= 0.10	0.359	Gamma; Lognormal	Gamma
16_1_4_122	MW-06	Appendix IV	Selenium	mg/L	18	5	28%	0.649	0.000	0.366	0.000	0.777	0.004	0.316	0.001	0.335	< 0.01	1.408	< 0.01	0.258	Nonparametric	Nonparametric
16_1_4_125	MW-06	Appendix IV	Thallium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_1_5_111	MW-06	Part 115	Copper	mg/L	18	13	72%	0.936	0.638	0.246	0.409	0.946	0.711	0.226	0.545	0.247	>= 0.10	0.291	>= 0.10	0.171	Gamma; Lognormal; Normal	Nonparametric
16_1_5_114	MW-06	Part 115	Iron	mg/L	18	0	0%	0.960	0.596	0.174	0.159	0.924	0.152	0.187	0.097	0.155	>= 0.10	0.426	>= 0.10	0.494	Gamma; Lognormal; Normal	Normal
16_1_5_119	MW-06	Part 115	Nickel	mg/L	18	6	33%	0.955	0.710	0.170	0.437	0.958	0.758	0.170	0.444	0.181	>= 0.10	0.287	>= 0.10	0.146	Gamma; Lognormal; Normal	Normal
16_1_5_123	MW-06	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
16_1_5_128	MW-06	Part 115	Vanadium	mg/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.186		Nonparametric
16_1_5_129	MW-06	Part 115	Zinc	mg/L	18	2	11%	0.657	0.000	0.421	0.000	0.681	0.000	0.384	0.000	0.417	< 0.01	2.634	< 0.01	1.858	Nonparametric	Nonparametric
17_1_3_105	MW-07	Appendix III	Boron	mg/L	18	0	0%	0.925	0.161	0.201	0.054	0.916	0.108	0.220	0.022	0.210	0.01 <= p < 0.05	0.731	0.05 <= p < 0.10	0.099	Gamma; Lognormal; Normal	Normal
17_1_3_107	MW-07	Appendix III	Calcium	mg/L	18	0	0%	0.940	0.285	0.179	0.135	0.930	0.192	0.193	0.075	0.191	0.05 <= p < 0.10	0.596	>= 0.10	0.091	Gamma; Lognormal; Normal	Normal
17_1_3_108	MW-07	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.872	0.020	0.257	0.003	0.882	0.028	0.250	0.004	0.255	< 0.01	0.900	0.01 <= p < 0.05	0.091	Nonparametric	Nonparametric
17_1_3_112	MW-07	Appendix III	Fluoride	mg/L	18	4	22%	0.915	0.184	0.171	0.329	0.927	0.279	0.193	0.167	0.183	>= 0.10	0.488	>= 0.10	0.371	Gamma; Lognormal; Normal	Normal
17_1_3_120	MW-07	Appendix III	pH (field)	su	18	0	0%	0.880	0.026	0.207	0.041	0.875	0.021	0.210	0.034	0.207	0.01 <= p < 0.05	0.889	0.01 <= p < 0.05	0.017	Nonparametric	Nonparametric
17_1_3_124	MW-07	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.936	0.248	0.175	0.155	0.935	0.236	0.157	0.281	0.171	>= 0.10	0.511	>= 0.10	0.345	Gamma; Lognormal; Normal	Normal
17_1_3_126	MW-07	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.827	0.004	0.186	0.100	0.785	0.001	0.217	0.025	0.202	0.05 <= p < 0.10	1.285	< 0.01	0.124	Gamma; Normal	Normal
17_1_4_101	MW-07	Appendix IV	Antimony	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_1_4_102	MW-07	Appendix IV	Arsenic	mg/L	18	0	0%	0.943	0.328	0.151	0.340	0.875	0.022	0.194	0.071	0.182	>= 0.10	0.736	0.05 <= p < 0.10	0.242	Gamma; Lognormal; Normal	Normal
17_1_4_103	MW-07	Appendix IV	Barium	mg/L	18	0	0%	0.944	0.336	0.167	0.201	0.914	0.102	0.193	0.076	0.174	>= 0.10	0.462	>= 0.10	0.129	Gamma; Lognormal; Normal	Normal
17_1_4_104	MW-07	Appendix IV	Beryllium	mg/L	18	13	72%	0.697	0.009	0.381	0.017	0.750	0.030	0.342	0.057	0.364	0.01 <= p < 0.05	0.767	0.01 <= p < 0.05	0.325	Lognormal	Nonparametric
17_1_4_106	MW-07	Appendix IV	Cadmium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_1_4_109	MW-07	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.653	0.000	0.230	0.013	0.793	0.001	0.164	0.229	0.176	>= 0.10	1.220	< 0.01	0.228	Gamma; Lognormal	Gamma
17_1_4_110	MW-07	Appendix IV	Cobalt	mg/L	18	0	0%	0.933	0.216	0.201	0.052	0.918	0.119	0.214	0.029	0.217	0.01 <= p < 0.05	0.681	0.05 <= p < 0.10	0.123	Gamma; Lognormal; Normal	Normal
17_1_4_113	MW-07	Appendix IV	Fluoride (App IV)	mg/L	18	4	22%	0.915	0.184	0.171	0.329	0.927	0.279	0.193	0.167	0.183	>= 0.10	0.488	>= 0.10	0.371	Gamma; Lognormal; Normal	Normal
17_1_4_115	MW-07	Appendix IV	Lead	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
17_1_4_116	MW-07	Appendix IV	Lithium	mg/L	18	0	0%	0.933	0.222	0.165	0.220	0.937	0.255	0.193	0.076	0.175	>= 0.10	0.502	>= 0.10	0.253	Gamma; Lognormal; Normal	Normal
17_1_4_117	MW-07	Appendix IV	Mercury	ng/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_1_4_118	MW-07	Appendix IV	Molybdenum	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_1_4_121	MW-07	Appendix IV	Radium 226 and 228	pCi/L	18	2	11%	0.722	0.000	0.250	0.009	0.901	0.084	0.164	0.296	0.188	>= 0.10	0.709	0.05 <= p < 0.10	0.331	Gamma; Lognormal	Gamma
17_1_4_122	MW-07	Appendix IV	Selenium	mg/L	18	9	50%	0.770	0.009	0.332	0.005	0.846	0.067	0.292	0.026	0.309	0.01 <= p < 0.05	0.762	0.01 <= p < 0.05	0.258	Lognormal	Nonparametric
17_1_4_125	MW-07	Appendix IV	Thallium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_1_5_111	MW-07	Part 115	Copper	mg/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.488		Nonparametric
17_1_5_114	MW-07	Part 115	Iron	mg/L	18	0	0%	0.951	0.435	0.136	0.511	0.951	0.447	0.133	0.544	0.141	>= 0.10	0.368	>= 0.10	0.142	Gamma; Lognormal; Normal	Normal
17_1_5_119	MW-07	Part 115	Nickel	mg/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.661		Nonparametric
17_1_5_123	MW-07	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
17_1_5_128	MW-07	Part 115	Vanadium	mg/L	18	12	67%	0.959	0.811	0.228	0.427	0.936	0.625	0.254	0.259	0.234	>= 0.10	0.315	>= 0.10	0.157	Gamma; Lognormal; Normal	Nonparametric
17_1_5_129	MW-07	Part 115	Zinc	mg/L	18	10	56%	0.918	0.410	0.201	0.447	0.845	0.086	0.309	0.023	0.291	0.05 <= p < 0.10	0.546	>= 0.10	1.458	Gamma; Lognormal; Normal	Nonparametric
18_1_3_105	MW-08	Appendix III	Boron	mg/L	18	0	0%	0.945	0.357	0.183	0.113	0.898	0.052	0.229	0.014	0.219	0.01 <= p < 0.05	0.726	0.05 <= p < 0.10	0.343	Gamma; Lognormal; Normal	Normal
18_1_3_107	MW-08	Appendix III	Calcium	mg/L	18	0	0%	0.932	0.212	0.168	0.196	0.914	0.101	0.147	0.388	0.161	>= 0.10	0.565	>= 0.10	0.129	Gamma; Lognormal; Normal	Normal
18_1_3_108	MW-08	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.683	0.000	0.337	0.000	0.846	0.007	0.224	0.017	0.266	< 0.01	1.660	< 0.01	0.528	Nonparametric	Nonparametric
18_1_3_112	MW-08	Appendix III	Fluoride	mg/L	18	0	0%	0.931	0.206	0.203	0.048	0.863	0.014	0.268	0.001	0.247	< 0.01	0.960	0.01 <= p < 0.05	0.333	Normal	Normal
18_1_3_120	MW-08	Appendix III	pH (field)	su	18	0	0%	0.735	0.000	0.251	0.004	0.707	0.000	0.263	0.002	0.251	< 0.01	1.551	< 0.01	0.041	Nonparametric	Nonparametric
18_1_3_124	MW-08	Appendix III	Sulfate (as SO4)	mg/L	18	5	28%	0.862	0.041	0.196	0.186	0.946	0.545	0.166	0.419	0.130	>= 0.10	0.219	>= 0.10	1.420	Gamma; Lognormal; Normal	Gamma
18_1_3_126	MW-08	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.963	0.661	0.137	0.492	0.927	0.174	0.144	0.413	0.128	>= 0.10	0.396	>= 0.10	0.189	Gamma; Lognormal; Normal	Normal
18_1_4_101	MW-08	Appendix IV	Antimony	mg/L	18	10	56%	0.944	0.648	0.195	0.491	0.973	0.920	0.152	0.850	0.171	>= 0.10	0.211	>= 0.10	0.505	Gamma; Lognormal; Normal	Nonparametric
18_1_4_102	MW-08	Appendix IV	Arsenic	mg/L	18	0	0%	0.921	0.137	0.183	0.113	0.856	0.011	0.213	0.029	0.171	>= 0.10	0.760	0.01 <= p < 0.05	0.601	Gamma; Normal	Normal
18_1_4_103	MW-08	Appendix IV	Barium	mg/L	18	0	0%	0.942	0.313	0.148	0.370	0.911	0.088	0.164	0.227	0.164	>= 0.10	0.504	>= 0.10	0.185	Gamma; Lognormal; Normal	Normal
18_1_4_104	MW-08	Appendix IV	Beryllium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_1_4_106	MW-08	Appendix IV	Cadmium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_1_4_109	MW-08	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.921	0.135	0.147	0.386	0.975	0.877	0.095	0.939	0.113	>= 0.10	0.234	>= 0.10	0.337	Gamma; Lognormal; Normal	Normal
18_1_4_110	MW-08	Appendix IV	Cobalt	mg/L	18	0	0%	0.898	0.053	0.207	0.041	0.932	0.210	0.199	0.059	0.210	0.01 <= p < 0.05	0.665	0.05 <= p < 0.10	0.361	Gamma; Lognormal; Normal	Normal
18_1_4_113	MW-08	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.931	0.206	0.203	0.048	0.863	0.014	0.268	0.001	0.247	< 0.01	0.960	0.01 <= p < 0.05	0.333	Normal	Normal
18_1_4_115	MW-08	Appendix IV	Lead	mg/L	18	12	67%	0.671	0.003	0.347	0.023	0.874	0.244	0.289	0.119	0.344	0.05 <= p < 0.10	0.617	0.05 <= p < 0.10	1.312	Gamma; Lognormal	Nonparametric
18_1_4_116	MW-08	Appendix IV	Lithium	mg/L	18	0	0%	0.941	0.301	0.128	0.608	0.951	0.442	0.158	0.274	0.154	>= 0.10	0.351	>= 0.10	0.249	Gamma; Lognormal; Normal	Normal
18_1_4_117	MW-08	Appendix IV	Mercury	ng/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_1_4_118	MW-08	Appendix IV	Molybdenum	mg/L	18	1	6%	0.934	0.249	0.142	0.485	0.937	0.283	0.183	0.136	0.144	>= 0.10	0.312	>= 0.10	0.781	Gamma; Lognormal; Normal	Normal
18_1_4_121	MW-08	Appendix IV	Radium 226 and 228	pCi/L	18	5	28%	0.925	0.292	0.190	0.226	0.981	0.986	0.123	0.855	0.139	>= 0.10	0.198	>= 0.10	0.377	Gamma; Lognormal; Normal	Normal
18_1_4_122	MW-08	Appendix IV	Selenium	mg/L	18	6	33%	0.713	0.001	0.295	0.005	0.806	0.011	0.231	0.076	0.256	0.01 <= p < 0.05	1.209	< 0.01	0.359	Lognormal	Lognormal
18_1_4_125	MW-08	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_1_5_111	MW-08	Part 115	Copper	mg/L	18	6	33%	0.899	0.155	0.197	0.224	0.975	0.956	0.131	0.825	0.144	>= 0.10	0.259	>= 0.10	0.386	Gamma; Lognormal; Normal	Normal
18_1_5_114	MW-08	Part 115	Iron	mg/L	18	0	0%	0.960	0.607	0.169	0.191	0.945	0.352	0.170	0.182	0.150	>= 0.10	0.348	>= 0.10	0.398	Gamma; Lognormal; Normal	Normal
18_1_5_119	MW-08	Part 115	Nickel	mg/L	18	0	0%	0.626	0.000	0.263	0.002	0.879	0.025	0.214	0.029	0.249	< 0.01	1.197	< 0.01	0.747	Nonparametric	Nonparametric
18_1_5_123	MW-08	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
18_1_5_128	MW-08	Part 115	Vanadium	mg/L	18	15	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.651		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
18_1_5_129	MW-08	Part 115	Zinc	mg/L	18	3	17%	0.697	0.000	0.390	0.000	0.754	0.001	0.285	0.002	0.351	< 0.01	1.880	< 0.01	1.946	Nonparametric	Nonparametric
19_2_3_105	MW-09	Appendix III	Boron	mg/L	18	0	0%	0.947	0.382	0.123	0.673	0.946	0.366	0.125	0.645	0.131	>= 0.10	0.366	>= 0.10	0.100	Gamma; Lognormal; Normal	Normal
19_2_3_107	MW-09	Appendix III	Calcium	mg/L	18	0	0%	0.921	0.136	0.146	0.394	0.905	0.071	0.168	0.197	0.153	>= 0.10	0.608	>= 0.10	0.242	Gamma; Lognormal; Normal	Normal
19_2_3_108	MW-09	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.814	0.002	0.255	0.003	0.897	0.051	0.186	0.102	0.215	0.01 <= p < 0.05	0.898	0.01 <= p < 0.05	0.604	Lognormal	Lognormal
19_2_3_112	MW-09	Appendix III	Fluoride	mg/L	18	0	0%	0.945	0.352	0.102	0.893	0.940	0.294	0.117	0.736	0.116	>= 0.10	0.328	>= 0.10	0.104	Gamma; Lognormal; Normal	Normal
19_2_3_120	MW-09	Appendix III	pH (field)	su	18	0	0%	0.938	0.264	0.180	0.127	0.938	0.267	0.183	0.113	0.178	>= 0.10	0.613	>= 0.10	0.021	Gamma; Lognormal; Normal	Normal
19_2_3_124	MW-09	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.953	0.475	0.117	0.739	0.855	0.010	0.228	0.014	0.187	>= 0.10	0.763	0.01 <= p < 0.05	0.722	Gamma; Normal	Normal
19_2_3_126	MW-09	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.968	0.751	0.138	0.485	0.919	0.125	0.173	0.162	0.166	>= 0.10	0.425	>= 0.10	0.276	Gamma; Lognormal; Normal	Normal
19_2_4_101	MW-09	Appendix IV	Antimony	mg/L	18	12	67%	0.883	0.284	0.217	0.501	0.972	0.906	0.141	0.969	0.176	>= 0.10	0.240	>= 0.10	0.602	Gamma; Lognormal; Normal	Nonparametric
19_2_4_102	MW-09	Appendix IV	Arsenic	mg/L	18	0	0%	0.898	0.054	0.253	0.003	0.843	0.007	0.285	0.000	0.277	< 0.01	1.187	< 0.01	0.339	Normal	Normal
19_2_4_103	MW-09	Appendix IV	Barium	mg/L	18	0	0%	0.454	0.000	0.363	0.000	0.899	0.054	0.165	0.217	0.232	0.01 <= p < 0.05	1.537	< 0.01	0.806	Lognormal	Lognormal
19_2_4_104	MW-09	Appendix IV	Beryllium	mg/L	18	13	72%	0.759	0.036	0.284	0.204	0.820	0.117	0.275	0.244	0.300	>= 0.10	0.588	>= 0.10	0.406	Gamma; Lognormal; Normal	Nonparametric
19_2_4_106	MW-09	Appendix IV	Cadmium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_2_4_109	MW-09	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.976	0.903	0.092	0.956	0.937	0.254	0.105	0.862	0.105	>= 0.10	0.245	>= 0.10	0.269	Gamma; Lognormal; Normal	Normal
19_2_4_110	MW-09	Appendix IV	Cobalt	mg/L	18	0	0%	0.941	0.299	0.114	0.779	0.940	0.285	0.146	0.399	0.142	>= 0.10	0.339	>= 0.10	0.447	Gamma; Lognormal; Normal	Normal
19_2_4_113	MW-09	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.945	0.352	0.102	0.893	0.940	0.294	0.117	0.736	0.116	>= 0.10	0.328	>= 0.10	0.104	Gamma; Lognormal; Normal	Normal
19_2_4_115	MW-09	Appendix IV	Lead	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_2_4_116	MW-09	Appendix IV	Lithium	mg/L	18	0	0%	0.941	0.296	0.152	0.334	0.938	0.262	0.152	0.334	0.160	>= 0.10	0.471	>= 0.10	0.091	Gamma; Lognormal; Normal	Normal
19_2_4_117	MW-09	Appendix IV	Mercury	ng/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		5.142		Nonparametric
19_2_4_118	MW-09	Appendix IV	Molybdenum	mg/L	18	0	0%	0.963	0.666	0.126	0.626	0.913	0.098	0.174	0.157	0.149	>= 0.10	0.411	>= 0.10	0.325	Gamma; Lognormal; Normal	Normal
19_2_4_121	MW-09	Appendix IV	Radium 226 and 228	pCi/L	18	16	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.164		Nonparametric
19_2_4_122	MW-09	Appendix IV	Selenium	mg/L	18	2	11%	0.382	0.000	0.426	0.000	0.707	0.000	0.276	0.002	0.361	< 0.01	2.822	< 0.01	0.715	Nonparametric	Nonparametric
19_2_4_125	MW-09	Appendix IV	Thallium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_2_5_111	MW-09	Part 115	Copper	mg/L	18	11	61%	0.631	0.001	0.370	0.004	0.793	0.035	0.307	0.045	0.358	0.01 <= p < 0.05	0.946	0.01 <= p < 0.05	1.023	Nonparametric	Nonparametric
19_2_5_114	MW-09	Part 115	Iron	mg/L	18	0	0%	0.916	0.111	0.122	0.678	0.781	0.001	0.182	0.119	0.161	>= 0.10	0.785	0.01 <= p < 0.05	0.359	Gamma; Lognormal; Normal	Normal
19_2_5_119	MW-09	Part 115	Nickel	mg/L	18	0	0%	0.460	0.000	0.349	0.000	0.919	0.126	0.181	0.122	0.215	0.01 <= p < 0.05	1.440	< 0.01	1.330	Lognormal	Nonparametric
19_2_5_123	MW-09	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
19_2_5_128	MW-09	Part 115	Vanadium	mg/L	18	15	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.466		Nonparametric
19_2_5_129	MW-09	Part 115	Zinc	mg/L	18	8	44%	0.561	0.000	0.350	0.001	0.941	0.564	0.152	0.742	0.182	>= 0.10	0.568	>= 0.10	1.390	Gamma; Lognormal	Gamma
20_3_3_105	MW-10	Appendix III	Boron	mg/L	18	0	0%	0.920	0.128	0.165	0.216	0.872	0.019	0.222	0.020	0.212	0.01 <= p < 0.05	0.802	0.01 <= p < 0.05	0.570	Normal	Normal
20_3_3_107	MW-10	Appendix III	Calcium	mg/L	18	0	0%	0.862	0.013	0.216	0.026	0.955	0.504	0.158	0.279	0.180	>= 0.10	0.550	>= 0.10	0.328	Gamma; Lognormal	Gamma
20_3_3_108	MW-10	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.908	0.079	0.128	0.609	0.958	0.560	0.135	0.517	0.134	>= 0.10	0.317	>= 0.10	0.603	Gamma; Lognormal; Normal	Normal
20_3_3_112	MW-10	Appendix III	Fluoride	mg/L	18	0	0%	0.957	0.545	0.137	0.499	0.906	0.074	0.194	0.071	0.177	>= 0.10	0.510	>= 0.10	0.316	Gamma; Lognormal; Normal	Normal
20_3_3_120	MW-10	Appendix III	pH (field)	su	18	0	0%	0.889	0.037	0.224	0.017	0.904	0.068	0.214	0.028	0.216	0.01 <= p < 0.05	0.782	0.01 <= p < 0.05	0.047	Lognormal	Lognormal
20_3_3_124	MW-10	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.859	0.012	0.189	0.089	0.984	0.981	0.096	0.934	0.118	>= 0.10	0.268	>= 0.10	0.659	Gamma; Lognormal; Normal	Normal
20_3_3_126	MW-10	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.850	0.009	0.289	0.000	0.895	0.048	0.265	0.002	0.277	< 0.01	1.009	< 0.01	0.208	Nonparametric	Nonparametric
20_3_4_101	MW-10	Appendix IV	Antimony	mg/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.542		Nonparametric
20_3_4_102	MW-10	Appendix IV	Arsenic	mg/L	18	0	0%	0.909	0.082	0.145	0.410	0.977	0.913	0.100	0.903	0.105	>= 0.10	0.195	>= 0.10	0.660	Gamma; Lognormal; Normal	Normal
20_3_4_103	MW-10	Appendix IV	Barium	mg/L	18	0	0%	0.884	0.030	0.213	0.030	0.971	0.809	0.131	0.576	0.160	>= 0.10	0.386	>= 0.10	0.450	Gamma; Lognormal	Gamma

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
20_3_4_104	MW-10	Appendix IV	Beryllium	mg/L	18	8	44%	0.816	0.023	0.240	0.106	0.921	0.362	0.172	0.552	0.191	>= 0.10	0.484	>= 0.10	0.467	Gamma; Lognormal; Normal	Normal
20_3_4_106	MW-10	Appendix IV	Cadmium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_4_109	MW-10	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.939	0.278	0.146	0.399	0.947	0.379	0.205	0.044	0.180	>= 0.10	0.393	>= 0.10	0.514	Gamma; Lognormal; Normal	Normal
20_3_4_110	MW-10	Appendix IV	Cobalt	mg/L	18	1	6%	0.696	0.000	0.275	0.001	0.935	0.262	0.150	0.393	0.187	>= 0.10	0.747	0.01 <= p < 0.05	0.609	Gamma; Lognormal	Gamma
20_3_4_113	MW-10	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.957	0.545	0.137	0.499	0.906	0.074	0.194	0.071	0.177	>= 0.10	0.510	>= 0.10	0.316	Gamma; Lognormal; Normal	Normal
20_3_4_115	MW-10	Appendix IV	Lead	mg/L	18	16	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.246		Nonparametric
20_3_4_116	MW-10	Appendix IV	Lithium	mg/L	18	0	0%	0.887	0.035	0.237	0.009	0.906	0.072	0.196	0.065	0.205	0.01 <= p < 0.05	0.786	0.01 <= p < 0.05	0.247	Lognormal	Lognormal
20_3_4_117	MW-10	Appendix IV	Mercury	ng/L	18	15	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		5.120		Nonparametric
20_3_4_118	MW-10	Appendix IV	Molybdenum	mg/L	18	0	0%	0.933	0.218	0.155	0.304	0.958	0.562	0.128	0.609	0.108	>= 0.10	0.218	>= 0.10	0.668	Gamma; Lognormal; Normal	Normal
20_3_4_121	MW-10	Appendix IV	Radium 226 and 228	pCi/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.271		Nonparametric
20_3_4_122	MW-10	Appendix IV	Selenium	mg/L	18	1	6%	0.711	0.000	0.244	0.008	0.884	0.037	0.165	0.249	0.187	>= 0.10	0.955	0.01 <= p < 0.05	0.303	Gamma; Lognormal	Gamma
20_3_4_125	MW-10	Appendix IV	Thallium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_5_111	MW-10	Part 115	Copper	mg/L	18	15	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.649		Nonparametric
20_3_5_114	MW-10	Part 115	Iron	mg/L	18	0	0%	0.937	0.262	0.168	0.199	0.936	0.244	0.130	0.582	0.142	>= 0.10	0.417	>= 0.10	0.377	Gamma; Lognormal; Normal	Normal
20_3_5_119	MW-10	Part 115	Nickel	mg/L	18	7	39%	0.773	0.004	0.272	0.023	0.855	0.049	0.254	0.047	0.267	0.01 <= p < 0.05	0.770	0.01 <= p < 0.05	0.252	Nonparametric	Nonparametric
20_3_5_123	MW-10	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
20_3_5_128	MW-10	Part 115	Vanadium	mg/L	18	12	67%	0.947	0.715	0.178	0.800	0.883	0.284	0.200	0.639	0.205	>= 0.10	0.342	>= 0.10	0.355	Gamma; Lognormal; Normal	Nonparametric
20_3_5_129	MW-10	Part 115	Zinc	mg/L	18	7	39%	0.710	0.001	0.265	0.029	0.847	0.039	0.232	0.101	0.273	0.01 <= p < 0.05	0.844	0.01 <= p < 0.05	1.358	Lognormal	Nonparametric
21_2_3_105	MW-11	Appendix III	Boron	mg/L	18	0	0%	0.922	0.139	0.147	0.385	0.959	0.588	0.103	0.881	0.124	>= 0.10	0.243	>= 0.10	0.652	Gamma; Lognormal; Normal	Normal
21_2_3_107	MW-11	Appendix III	Calcium	mg/L	18	0	0%	0.974	0.861	0.101	0.898	0.939	0.281	0.142	0.441	0.134	>= 0.10	0.327	>= 0.10	0.312	Gamma; Lognormal; Normal	Normal
21_2_3_108	MW-11	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.955	0.511	0.162	0.245	0.917	0.113	0.202	0.050	0.192	0.05 <= p < 0.10	0.458	>= 0.10	0.265	Gamma; Lognormal; Normal	Normal
21_2_3_112	MW-11	Appendix III	Fluoride	mg/L	18	0	0%	0.925	0.161	0.119	0.715	0.961	0.617	0.134	0.533	0.096	>= 0.10	0.207	>= 0.10	0.610	Gamma; Lognormal; Normal	Normal
21_2_3_120	MW-11	Appendix III	pH (field)	su	18	0	0%	0.980	0.955	0.104	0.874	0.979	0.939	0.106	0.853	0.107	>= 0.10	0.180	>= 0.10	0.014	Gamma; Lognormal; Normal	Normal
21_2_3_124	MW-11	Appendix III	Sulfate (as SO4)	mg/L	18	7	39%	0.707	0.001	0.330	0.001	0.951	0.651	0.211	0.186	0.283	0.01 <= p < 0.05	0.609	>= 0.10	1.459	Gamma; Lognormal	Gamma
21_2_3_126	MW-11	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.850	0.008	0.183	0.113	0.935	0.241	0.148	0.371	0.152	>= 0.10	0.485	>= 0.10	0.220	Gamma; Lognormal; Normal	Normal
21_2_4_101	MW-11	Appendix IV	Antimony	mg/L	18	13	72%	0.849	0.192	0.347	0.048	0.887	0.342	0.327	0.086	0.288	>= 0.10	0.453	>= 0.10	0.760	Gamma; Lognormal; Normal	Nonparametric
21_2_4_102	MW-11	Appendix IV	Arsenic	mg/L	18	0	0%	0.826	0.004	0.203	0.048	0.953	0.470	0.114	0.772	0.148	>= 0.10	0.633	0.05 <= p < 0.10	0.510	Gamma; Lognormal	Gamma
21_2_4_103	MW-11	Appendix IV	Barium	mg/L	18	0	0%	0.907	0.077	0.187	0.097	0.967	0.750	0.145	0.407	0.164	>= 0.10	0.412	>= 0.10	0.308	Gamma; Lognormal; Normal	Normal
21_2_4_104	MW-11	Appendix IV	Beryllium	mg/L	18	13	72%	0.649	0.003	0.437	0.002	0.800	0.080	0.372	0.022	0.418	< 0.01	0.810	0.01 <= p < 0.05	0.794	Lognormal	Nonparametric
21_2_4_106	MW-11	Appendix IV	Cadmium	mg/L	18	15	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.759		Nonparametric
21_2_4_109	MW-11	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.495	0.000	0.374	0.000	0.816	0.003	0.259	0.002	0.305	< 0.01	2.101	< 0.01	0.699	Nonparametric	Nonparametric
21_2_4_110	MW-11	Appendix IV	Cobalt	mg/L	18	0	0%	0.646	0.000	0.326	0.000	0.878	0.024	0.165	0.217	0.227	0.01 <= p < 0.05	1.340	< 0.01	0.706	Lognormal	Lognormal
21_2_4_113	MW-11	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.925	0.161	0.119	0.715	0.961	0.617	0.134	0.533	0.096	>= 0.10	0.207	>= 0.10	0.610	Gamma; Lognormal; Normal	Normal
21_2_4_115	MW-11	Appendix IV	Lead	mg/L	18	3	17%	0.499	0.000	0.393	0.000	0.887	0.060	0.198	0.116	0.244	0.01 <= p < 0.05	1.550	< 0.01	1.849	Lognormal	Nonparametric
21_2_4_116	MW-11	Appendix IV	Lithium	mg/L	18	0	0%	0.892	0.043	0.171	0.178	0.942	0.317	0.158	0.276	0.102	>= 0.10	0.185	>= 0.10	0.960	Gamma; Lognormal; Normal	Normal
21_2_4_117	MW-11	Appendix IV	Mercury	ng/L	18	13	72%	0.553	0.000	0.472	0.001	0.671	0.005	0.385	0.015	0.468	< 0.01	1.101	< 0.01	3.024	Nonparametric	Nonparametric
21_2_4_118	MW-11	Appendix IV	Molybdenum	mg/L	18	2	11%	0.904	0.095	0.171	0.237	0.966	0.777	0.111	0.859	0.141	>= 0.10	0.297	>= 0.10	0.650	Gamma; Lognormal; Normal	Normal
21_2_4_121	MW-11	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	0.930	0.407	0.209	0.195	0.967	0.857	0.154	0.659	0.181	>= 0.10	0.255	>= 0.10	0.411	Gamma; Lognormal; Normal	Normal
21_2_4_122	MW-11	Appendix IV	Selenium	mg/L	18	3	17%	0.727	0.000	0.235	0.025	0.895	0.080	0.164	0.344	0.195	>= 0.10	0.760	0.01 <= p < 0.05	0.444	Gamma; Lognormal	Gamma

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
21_2_4_125	MW-11	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
21_2_5_111	MW-11	Part 115	Copper	mg/L	18	4	22%	0.483	0.000	0.378	0.000	0.842	0.017	0.228	0.046	0.302	< 0.01	1.693	< 0.01	1.345	Nonparametric	Nonparametric
21_2_5_114	MW-11	Part 115	Iron	mg/L	18	0	0%	0.880	0.026	0.148	0.373	0.968	0.768	0.101	0.894	0.106	>= 0.10	0.246	>= 0.10	0.407	Gamma; Lognormal; Normal	Normal
21_2_5_119	MW-11	Part 115	Nickel	mg/L	18	0	0%	0.515	0.000	0.373	0.000	0.811	0.002	0.240	0.007	0.303	< 0.01	2.302	< 0.01	0.793	Nonparametric	Nonparametric
21_2_5_123	MW-11	Part 115	Silver	mg/L	18	15	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.098		Nonparametric
21_2_5_128	MW-11	Part 115	Vanadium	mg/L	18	13	72%	0.691	0.008	0.364	0.029	0.814	0.105	0.272	0.260	0.303	>= 0.10	0.680	0.05 <= p < 0.10	0.695	Gamma; Lognormal	Nonparametric
21_2_5_129	MW-11	Part 115	Zinc	mg/L	18	4	22%	0.861	0.032	0.199	0.141	0.881	0.061	0.274	0.005	0.234	0.05 <= p < 0.10	0.673	0.05 <= p < 0.10	1.378	Gamma; Lognormal; Normal	Gamma
22_2_3_105	MW-12	Appendix III	Boron	mg/L	18	0	0%	0.897	0.050	0.184	0.112	0.943	0.322	0.152	0.331	0.169	>= 0.10	0.514	>= 0.10	0.328	Gamma; Lognormal; Normal	Normal
22_2_3_107	MW-12	Appendix III	Calcium	mg/L	18	0	0%	0.942	0.316	0.097	0.923	0.933	0.221	0.128	0.604	0.122	>= 0.10	0.364	>= 0.10	0.297	Gamma; Lognormal; Normal	Normal
22_2_3_108	MW-12	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.878	0.024	0.246	0.005	0.918	0.118	0.209	0.037	0.223	0.01 <= p < 0.05	0.821	0.01 <= p < 0.05	0.225	Lognormal	Lognormal
22_2_3_112	MW-12	Appendix III	Fluoride	mg/L	18	0	0%	0.870	0.018	0.258	0.003	0.921	0.135	0.203	0.048	0.223	0.01 <= p < 0.05	0.789	0.01 <= p < 0.05	0.292	Lognormal	Lognormal
22_2_3_120	MW-12	Appendix III	pH (field)	su	18	0	0%	0.979	0.941	0.100	0.906	0.981	0.960	0.096	0.933	0.102	>= 0.10	0.214	>= 0.10	0.042	Gamma; Lognormal; Normal	Normal
22_2_3_124	MW-12	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.898	0.053	0.164	0.227	0.917	0.112	0.157	0.280	0.164	>= 0.10	0.563	>= 0.10	0.416	Gamma; Lognormal; Normal	Normal
22_2_3_126	MW-12	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.956	0.524	0.146	0.395	0.889	0.037	0.159	0.268	0.163	>= 0.10	0.489	>= 0.10	0.355	Gamma; Lognormal; Normal	Normal
22_2_4_101	MW-12	Appendix IV	Antimony	mg/L	18	0	0%	0.925	0.157	0.116	0.748	0.972	0.837	0.096	0.932	0.101	>= 0.10	0.164	>= 0.10	0.588	Gamma; Lognormal; Normal	Normal
22_2_4_102	MW-12	Appendix IV	Arsenic	mg/L	18	0	0%	0.806	0.002	0.189	0.090	0.919	0.125	0.170	0.184	0.186	>= 0.10	0.701	0.05 <= p < 0.10	0.429	Gamma; Lognormal; Normal	Normal
22_2_4_103	MW-12	Appendix IV	Barium	mg/L	18	0	0%	0.832	0.004	0.196	0.066	0.950	0.422	0.136	0.507	0.141	>= 0.10	0.537	>= 0.10	0.612	Gamma; Lognormal; Normal	Normal
22_2_4_104	MW-12	Appendix IV	Beryllium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_2_4_106	MW-12	Appendix IV	Cadmium	mg/L	18	0	0%	0.646	0.000	0.248	0.005	0.952	0.461	0.115	0.761	0.170	>= 0.10	0.674	0.05 <= p < 0.10	0.787	Gamma; Lognormal	Gamma
22_2_4_109	MW-12	Appendix IV	Chromium, Total	mg/L	18	6	33%	0.886	0.104	0.192	0.254	0.942	0.530	0.150	0.644	0.169	>= 0.10	0.365	>= 0.10	0.508	Gamma; Lognormal; Normal	Normal
22_2_4_110	MW-12	Appendix IV	Cobalt	mg/L	18	5	28%	0.688	0.000	0.305	0.002	0.961	0.770	0.128	0.809	0.197	>= 0.10	0.495	>= 0.10	0.945	Gamma; Lognormal	Gamma
22_2_4_113	MW-12	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.870	0.018	0.258	0.003	0.921	0.135	0.203	0.048	0.223	0.01 <= p < 0.05	0.789	0.01 <= p < 0.05	0.292	Lognormal	Lognormal
22_2_4_115	MW-12	Appendix IV	Lead	mg/L	18	6	33%	0.847	0.034	0.215	0.129	0.929	0.365	0.189	0.276	0.212	>= 0.10	0.462	>= 0.10	0.562	Gamma; Lognormal; Normal	Normal
22_2_4_116	MW-12	Appendix IV	Lithium	mg/L	18	1	6%	0.931	0.225	0.159	0.303	0.913	0.113	0.146	0.438	0.156	>= 0.10	0.519	>= 0.10	0.416	Gamma; Lognormal; Normal	Normal
22_2_4_117	MW-12	Appendix IV	Mercury	ng/L	18	12	67%	0.701	0.006	0.402	0.003	0.695	0.006	0.388	0.005	0.421	< 0.01	1.028	0.01 <= p < 0.05	2.708	Nonparametric	Nonparametric
22_2_4_118	MW-12	Appendix IV	Molybdenum	mg/L	18	0	0%	0.759	0.000	0.234	0.010	0.927	0.175	0.157	0.287	0.176	>= 0.10	0.560	>= 0.10	0.332	Gamma; Lognormal	Gamma
22_2_4_121	MW-12	Appendix IV	Radium 226 and 228	pCi/L	18	11	61%	0.886	0.254	0.206	0.495	0.944	0.679	0.173	0.760	0.193	>= 0.10	0.305	>= 0.10	0.274	Gamma; Lognormal; Normal	Nonparametric
22_2_4_122	MW-12	Appendix IV	Selenium	mg/L	18	0	0%	0.814	0.002	0.187	0.098	0.938	0.269	0.131	0.565	0.146	>= 0.10	0.366	>= 0.10	1.155	Gamma; Lognormal; Normal	Gamma
22_2_4_125	MW-12	Appendix IV	Thallium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_2_5_111	MW-12	Part 115	Copper	mg/L	18	0	0%	0.832	0.005	0.174	0.158	0.967	0.734	0.107	0.846	0.121	>= 0.10	0.455	>= 0.10	0.493	Gamma; Lognormal; Normal	Normal
22_2_5_114	MW-12	Part 115	Iron	mg/L	18	6	33%	0.588	0.000	0.353	0.000	0.901	0.164	0.218	0.121	0.283	0.01 <= p < 0.05	1.028	0.01 <= p < 0.05	1.135	Lognormal	Nonparametric
22_2_5_119	MW-12	Part 115	Nickel	mg/L	18	0	0%	0.797	0.001	0.262	0.002	0.938	0.271	0.173	0.164	0.196	0.05 <= p < 0.10	0.613	>= 0.10	0.439	Gamma; Lognormal	Gamma
22_2_5_123	MW-12	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
22_2_5_128	MW-12	Part 115	Vanadium	mg/L	18	6	33%	0.925	0.334	0.178	0.367	0.970	0.916	0.142	0.726	0.140	>= 0.10	0.262	>= 0.10	0.386	Gamma; Lognormal; Normal	Normal
22_2_5_129	MW-12	Part 115	Zinc	mg/L	18	0	0%	0.836	0.005	0.251	0.004	0.938	0.263	0.150	0.350	0.181	>= 0.10	0.711	0.05 <= p < 0.10	0.576	Gamma; Lognormal	Gamma
26_1_3_105	MW-16	Appendix III	Boron	mg/L	8	0	0%	0.937	0.580	0.236	0.210	0.939	0.601	0.211	0.370	0.233	>= 0.10	0.360	>= 0.10	0.283	Gamma; Lognormal; Normal	Normal
26_1_3_107	MW-16	Appendix III	Calcium	mg/L	8	0	0%	0.941	0.616	0.229	0.248	0.919	0.420	0.250	0.150	0.234	>= 0.10	0.383	>= 0.10	0.115	Gamma; Lognormal; Normal	Normal
26_1_3_108	MW-16	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.918	0.411	0.156	0.819	0.896	0.263	0.183	0.601	0.178	>= 0.10	0.368	>= 0.10	0.173	Gamma; Lognormal; Normal	Normal
26_1_3_112	MW-16	Appendix III	Fluoride	mg/L	8	1	12%	0.910	0.394	0.188	0.637	0.914	0.428	0.194	0.587	0.212	>= 0.10	0.352	>= 0.10	0.151	Gamma; Lognormal; Normal	Normal

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
26_1_3_120	MW-16	Appendix III	pH (field)	su	8	0	0%	0.821	0.048	0.307	0.025	0.823	0.050	0.306	0.026	0.324	0.01 <= p < 0.05	0.771	0.01 <= p < 0.05	0.044	Nonparametric	Nonparametric
26_1_3_124	MW-16	Appendix III	Sulfate (as SO4)	mg/L	8	2	25%	0.908	0.423	0.190	0.715	0.820	0.088	0.299	0.096	0.267	>= 0.10	0.486	>= 0.10	1.932	Gamma; Lognormal; Normal	Gamma
26_1_3_126	MW-16	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	0.937	0.580	0.205	0.415	0.924	0.464	0.223	0.288	0.214	>= 0.10	0.386	>= 0.10	0.099	Gamma; Lognormal; Normal	Normal
26_1_4_101	MW-16	Appendix IV	Antimony	mg/L	8	7	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_1_4_102	MW-16	Appendix IV	Arsenic	mg/L	8	0	0%	0.780	0.017	0.338	0.008	0.944	0.653	0.191	0.525	0.249	>= 0.10	0.475	>= 0.10	0.936	Gamma; Lognormal	Gamma
26_1_4_103	MW-16	Appendix IV	Barium	mg/L	8	0	0%	0.873	0.161	0.199	0.459	0.867	0.142	0.206	0.405	0.217	>= 0.10	0.541	>= 0.10	0.198	Gamma; Lognormal; Normal	Normal
26_1_4_104	MW-16	Appendix IV	Beryllium	mg/L	8	7	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_1_4_106	MW-16	Appendix IV	Cadmium	mg/L	8	8	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_1_4_109	MW-16	Appendix IV	Chromium, Total	mg/L	8	0	0%	0.839	0.074	0.240	0.192	0.900	0.287	0.237	0.204	0.256	>= 0.10	0.498	>= 0.10	0.532	Gamma; Lognormal; Normal	Normal
26_1_4_110	MW-16	Appendix IV	Cobalt	mg/L	8	0	0%	0.796	0.026	0.331	0.010	0.861	0.123	0.289	0.048	0.309	0.01 <= p < 0.05	0.651	0.05 <= p < 0.10	0.306	Gamma; Lognormal	Gamma
26_1_4_113	MW-16	Appendix IV	Fluoride (App IV)	mg/L	8	1	12%	0.910	0.394	0.188	0.637	0.914	0.428	0.194	0.587	0.212	>= 0.10	0.352	>= 0.10	0.151	Gamma; Lognormal; Normal	Normal
26_1_4_115	MW-16	Appendix IV	Lead	mg/L	8	5	62%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.384		Nonparametric
26_1_4_116	MW-16	Appendix IV	Lithium	mg/L	8	0	0%	0.942	0.627	0.186	0.574	0.923	0.453	0.197	0.478	0.211	>= 0.10	0.376	>= 0.10	0.171	Gamma; Lognormal; Normal	Normal
26_1_4_117	MW-16	Appendix IV	Mercury	ng/L	8	6	75%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.279		Nonparametric
26_1_4_118	MW-16	Appendix IV	Molybdenum	mg/L	8	8	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_1_4_121	MW-16	Appendix IV	Radium 226 and 228	pCi/L	8	4	50%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.159		Nonparametric
26_1_4_122	MW-16	Appendix IV	Selenium	mg/L	8	1	12%	0.840	0.100	0.251	0.202	0.917	0.448	0.206	0.494	0.223	>= 0.10	0.400	>= 0.10	0.272	Gamma; Lognormal; Normal	Normal
26_1_4_125	MW-16	Appendix IV	Thallium	mg/L	8	8	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_1_5_111	MW-16	Part 115	Copper	mg/L	8	4	50%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.139		Nonparametric
26_1_5_114	MW-16	Part 115	Iron	mg/L	8	0	0%	0.941	0.623	0.197	0.482	0.789	0.022	0.299	0.033	0.270	>= 0.10	0.545	>= 0.10	0.803	Gamma; Normal	Normal
26_1_5_119	MW-16	Part 115	Nickel	mg/L	8	1	12%	0.822	0.068	0.249	0.213	0.935	0.595	0.154	0.886	0.186	>= 0.10	0.345	>= 0.10	1.075	Gamma; Lognormal; Normal	Gamma
26_1_5_123	MW-16	Part 115	Silver	mg/L	8	8	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
26_1_5_128	MW-16	Part 115	Vanadium	mg/L	8	3	38%	0.965	0.844	0.180	0.859	0.923	0.549	0.203	0.713	0.202	>= 0.10	0.268	>= 0.10	0.420	Gamma; Lognormal; Normal	Normal
26_1_5_129	MW-16	Part 115	Zinc	mg/L	8	2	25%	0.921	0.510	0.194	0.680	0.812	0.076	0.335	0.034	0.315	0.05 <= p < 0.10	0.558	>= 0.10	1.448	Gamma; Lognormal; Normal	Gamma
27_1_3_105	MW-17	Appendix III	Boron	mg/L	8	0	0%	0.948	0.695	0.175	0.671	0.889	0.231	0.224	0.280	0.216	>= 0.10	0.366	>= 0.10	0.380	Gamma; Lognormal; Normal	Normal
27_1_3_107	MW-17	Appendix III	Calcium	mg/L	8	0	0%	0.951	0.718	0.155	0.825	0.922	0.442	0.185	0.583	0.174	>= 0.10	0.325	>= 0.10	0.156	Gamma; Lognormal; Normal	Normal
27_1_3_108	MW-17	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.835	0.067	0.316	0.018	0.681	0.001	0.397	0.001	0.376	< 0.01	1.042	< 0.01	0.479	Normal	Normal
27_1_3_112	MW-17	Appendix III	Fluoride	mg/L	8	0	0%	0.950	0.712	0.161	0.784	0.930	0.517	0.180	0.625	0.186	>= 0.10	0.269	>= 0.10	0.233	Gamma; Lognormal; Normal	Normal
27_1_3_120	MW-17	Appendix III	pH (field)	su	8	0	0%	0.970	0.901	0.194	0.505	0.972	0.916	0.190	0.538	0.196	>= 0.10	0.216	>= 0.10	0.025	Gamma; Lognormal; Normal	Normal
27_1_3_124	MW-17	Appendix III	Sulfate (as SO4)	mg/L	8	1	12%	0.859	0.148	0.291	0.074	0.931	0.558	0.200	0.543	0.209	>= 0.10	0.327	>= 0.10	1.455	Gamma; Lognormal; Normal	Gamma
27_1_3_126	MW-17	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	0.617	0.000	0.319	0.016	0.580	0.000	0.356	0.003	0.334	0.01 <= p < 0.05	1.627	< 0.01	0.186	Nonparametric	Nonparametric
27_1_4_101	MW-17	Appendix IV	Antimony	mg/L	8	6	75%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.583		Nonparametric
27_1_4_102	MW-17	Appendix IV	Arsenic	mg/L	8	0	0%	0.923	0.456	0.187	0.563	0.915	0.389	0.178	0.641	0.198	>= 0.10	0.360	>= 0.10	0.298	Gamma; Lognormal; Normal	Normal
27_1_4_103	MW-17	Appendix IV	Barium	mg/L	8	0	0%	0.955	0.764	0.174	0.677	0.885	0.211	0.238	0.200	0.206	>= 0.10	0.341	>= 0.10	0.364	Gamma; Lognormal; Normal	Normal
27_1_4_104	MW-17	Appendix IV	Beryllium	mg/L	8	7	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_1_4_106	MW-17	Appendix IV	Cadmium	mg/L	8	7	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_1_4_109	MW-17	Appendix IV	Chromium, Total	mg/L	8	0	0%	0.688	0.002	0.297	0.036	0.850	0.095	0.216	0.330	0.250	>= 0.10	0.719	0.05 <= p < 0.10	0.470	Gamma; Lognormal	Gamma
27_1_4_110	MW-17	Appendix IV	Cobalt	mg/L	8	0	0%	0.762	0.011	0.239	0.194	0.852	0.100	0.257	0.125	0.266	>= 0.10	0.646	0.05 <= p < 0.10	0.362	Gamma; Lognormal; Normal	Normal
27_1_4_113	MW-17	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	0.950	0.712	0.161	0.784	0.930	0.517	0.180	0.625	0.186	>= 0.10	0.269	>= 0.10	0.233	Gamma; Lognormal; Normal	Normal

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
27_1_4_115	MW-17	Appendix IV	Lead	mg/L	8	1	12%	0.907	0.374	0.225	0.353	0.909	0.386	0.233	0.296	0.241	>= 0.10	0.397	>= 0.10	0.652	Gamma; Lognormal; Normal	Normal
27_1_4_116	MW-17	Appendix IV	Lithium	mg/L	8	0	0%	0.932	0.537	0.186	0.569	0.852	0.101	0.222	0.293	0.218	>= 0.10	0.498	>= 0.10	0.301	Gamma; Lognormal; Normal	Normal
27_1_4_117	MW-17	Appendix IV	Mercury	ng/L	8	6	75%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.523		Nonparametric
27_1_4_118	MW-17	Appendix IV	Molybdenum	mg/L	8	0	0%	0.549	0.000	0.395	0.001	0.795	0.025	0.335	0.009	0.390	< 0.01	1.190	< 0.01	1.134	Nonparametric	Nonparametric
27_1_4_121	MW-17	Appendix IV	Radium 226 and 228	pCi/L	8	2	25%	0.884	0.287	0.255	0.255	0.939	0.651	0.200	0.637	0.208	>= 0.10	0.316	>= 0.10	0.316	Gamma; Lognormal; Normal	Normal
27_1_4_122	MW-17	Appendix IV	Selenium	mg/L	8	0	0%	0.492	0.000	0.476	0.000	0.688	0.002	0.379	0.001	0.441	< 0.01	1.560	< 0.01	0.823	Nonparametric	Nonparametric
27_1_4_125	MW-17	Appendix IV	Thallium	mg/L	8	8	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_1_5_111	MW-17	Part 115	Copper	mg/L	8	1	12%	0.642	0.001	0.371	0.004	0.929	0.542	0.202	0.528	0.266	>= 0.10	0.592	>= 0.10	0.944	Gamma; Lognormal	Gamma
27_1_5_114	MW-17	Part 115	Iron	mg/L	8	0	0%	0.952	0.731	0.208	0.394	0.895	0.260	0.225	0.274	0.193	>= 0.10	0.388	>= 0.10	0.357	Gamma; Lognormal; Normal	Normal
27_1_5_119	MW-17	Part 115	Nickel	mg/L	8	0	0%	0.539	0.000	0.399	0.000	0.739	0.006	0.259	0.118	0.313	0.01 <= p < 0.05	1.283	< 0.01	0.750	Lognormal	Lognormal
27_1_5_123	MW-17	Part 115	Silver	mg/L	8	8	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
27_1_5_128	MW-17	Part 115	Vanadium	mg/L	8	0	0%	0.937	0.584	0.178	0.646	0.981	0.968	0.140	0.915	0.138	>= 0.10	0.193	>= 0.10	0.293	Gamma; Lognormal; Normal	Normal
27_1_5_129	MW-17	Part 115	Zinc	mg/L	8	0	0%	0.779	0.017	0.305	0.028	0.910	0.353	0.180	0.624	0.229	>= 0.10	0.475	>= 0.10	1.384	Gamma; Lognormal	Gamma
28_1_3_105	MW-18	Appendix III	Boron	mg/L	18	0	0%	0.917	0.113	0.146	0.399	0.917	0.115	0.151	0.346	0.152	>= 0.10	0.551	>= 0.10	0.307	Gamma; Lognormal; Normal	Normal
28_1_3_107	MW-18	Appendix III	Calcium	mg/L	18	0	0%	0.936	0.249	0.177	0.142	0.925	0.159	0.213	0.029	0.203	0.05 <= p < 0.10	0.548	>= 0.10	0.198	Gamma; Lognormal; Normal	Normal
28_1_3_108	MW-18	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.974	0.873	0.117	0.744	0.947	0.374	0.161	0.252	0.146	>= 0.10	0.382	>= 0.10	0.231	Gamma; Lognormal; Normal	Normal
28_1_3_112	MW-18	Appendix III	Fluoride	mg/L	18	0	0%	0.938	0.269	0.178	0.139	0.945	0.352	0.160	0.254	0.173	>= 0.10	0.501	>= 0.10	0.180	Gamma; Lognormal; Normal	Normal
28_1_3_120	MW-18	Appendix III	pH (field)	su	18	0	0%	0.938	0.268	0.171	0.175	0.937	0.255	0.173	0.163	0.168	>= 0.10	0.453	>= 0.10	0.011	Gamma; Lognormal; Normal	Normal
28_1_3_124	MW-18	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.920	0.128	0.243	0.006	0.928	0.180	0.204	0.046	0.206	0.01 <= p < 0.05	0.622	>= 0.10	0.297	Gamma; Lognormal; Normal	Normal
28_1_3_126	MW-18	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.971	0.810	0.164	0.230	0.960	0.597	0.142	0.442	0.139	>= 0.10	0.324	>= 0.10	0.195	Gamma; Lognormal; Normal	Normal
28_1_4_101	MW-18	Appendix IV	Antimony	mg/L	18	3	17%	0.603	0.000	0.273	0.004	0.837	0.011	0.211	0.070	0.235	0.01 <= p < 0.05	1.282	< 0.01	0.633	Lognormal	Lognormal
28_1_4_102	MW-18	Appendix IV	Arsenic	mg/L	18	0	0%	0.964	0.671	0.112	0.795	0.977	0.912	0.125	0.640	0.108	>= 0.10	0.237	>= 0.10	0.280	Gamma; Lognormal; Normal	Normal
28_1_4_103	MW-18	Appendix IV	Barium	mg/L	18	0	0%	0.951	0.434	0.143	0.425	0.955	0.504	0.153	0.318	0.149	>= 0.10	0.346	>= 0.10	0.302	Gamma; Lognormal; Normal	Normal
28_1_4_104	MW-18	Appendix IV	Beryllium	mg/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.062		Nonparametric
28_1_4_106	MW-18	Appendix IV	Cadmium	mg/L	18	7	39%	0.817	0.016	0.260	0.037	0.946	0.590	0.121	0.922	0.169	>= 0.10	0.393	>= 0.10	0.771	Gamma; Lognormal	Gamma
28_1_4_109	MW-18	Appendix IV	Chromium, Total	mg/L	18	16	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.654		Nonparametric
28_1_4_110	MW-18	Appendix IV	Cobalt	mg/L	18	0	0%	0.788	0.001	0.302	0.000	0.910	0.085	0.224	0.017	0.256	< 0.01	1.047	< 0.01	0.468	Lognormal	Lognormal
28_1_4_113	MW-18	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.938	0.269	0.178	0.139	0.945	0.352	0.160	0.254	0.173	>= 0.10	0.501	>= 0.10	0.180	Gamma; Lognormal; Normal	Normal
28_1_4_115	MW-18	Appendix IV	Lead	mg/L	18	11	61%	0.833	0.086	0.294	0.069	0.838	0.095	0.275	0.112	0.297	0.05 <= p < 0.10	0.642	0.05 <= p < 0.10	0.345	Gamma; Lognormal; Normal	Nonparametric
28_1_4_116	MW-18	Appendix IV	Lithium	mg/L	18	0	0%	0.915	0.107	0.169	0.190	0.899	0.056	0.182	0.117	0.176	>= 0.10	0.729	0.05 <= p < 0.10	0.231	Gamma; Lognormal; Normal	Normal
28_1_4_117	MW-18	Appendix IV	Mercury	ng/L	18	15	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.076		Nonparametric
28_1_4_118	MW-18	Appendix IV	Molybdenum	mg/L	18	0	0%	0.934	0.229	0.159	0.267	0.975	0.883	0.123	0.671	0.140	>= 0.10	0.311	>= 0.10	0.288	Gamma; Lognormal; Normal	Normal
28_1_4_121	MW-18	Appendix IV	Radium 226 and 228	pCi/L	18	10	56%	0.768	0.013	0.331	0.010	0.879	0.186	0.268	0.095	0.284	0.05 <= p < 0.10	0.605	>= 0.10	0.299	Gamma; Lognormal	Nonparametric
28_1_4_122	MW-18	Appendix IV	Selenium	mg/L	18	0	0%	0.835	0.005	0.189	0.090	0.906	0.074	0.177	0.145	0.174	>= 0.10	0.618	>= 0.10	0.979	Gamma; Lognormal; Normal	Normal
28_1_4_125	MW-18	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_1_5_111	MW-18	Part 115	Copper	mg/L	18	0	0%	0.749	0.000	0.273	0.001	0.871	0.018	0.206	0.041	0.231	0.01 <= p < 0.05	1.280	< 0.01	0.544	Nonparametric	Nonparametric
28_1_5_114	MW-18	Part 115	Iron	mg/L	18	0	0%	0.979	0.938	0.120	0.709	0.983	0.974	0.103	0.880	0.096	>= 0.10	0.169	>= 0.10	0.267	Gamma; Lognormal; Normal	Normal
28_1_5_119	MW-18	Part 115	Nickel	mg/L	18	0	0%	0.870	0.018	0.256	0.003	0.931	0.205	0.197	0.063	0.220	0.01 <= p < 0.05	0.731	0.05 <= p < 0.10	0.355	Gamma; Lognormal	Gamma
28_1_5_123	MW-18	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
28_1_5_128	MW-18	Part 115	Vanadium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
28_1_5_129	MW-18	Part 115	Zinc	mg/L	18	0	0%	0.757	0.000	0.219	0.022	0.970	0.798	0.116	0.747	0.136	>= 0.10	0.467	>= 0.10	0.635	Gamma; Lognormal	Gamma
29_1_3_105	MW-19	Appendix III	Boron	mg/L	18	0	0%	0.940	0.284	0.117	0.739	0.960	0.602	0.104	0.876	0.105	>= 0.10	0.276	>= 0.10	0.229	Gamma; Lognormal; Normal	Normal
29_1_3_107	MW-19	Appendix III	Calcium	mg/L	18	0	0%	0.965	0.705	0.122	0.679	0.952	0.462	0.146	0.397	0.137	>= 0.10	0.341	>= 0.10	0.123	Gamma; Lognormal; Normal	Normal
29_1_3_108	MW-19	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.905	0.071	0.196	0.067	0.943	0.326	0.176	0.148	0.152	>= 0.10	0.511	>= 0.10	0.359	Gamma; Lognormal; Normal	Normal
29_1_3_112	MW-19	Appendix III	Fluoride	mg/L	18	0	0%	0.954	0.486	0.145	0.405	0.948	0.402	0.169	0.189	0.164	>= 0.10	0.376	>= 0.10	0.149	Gamma; Lognormal; Normal	Normal
29_1_3_120	MW-19	Appendix III	pH (field)	su	18	0	0%	0.952	0.461	0.110	0.820	0.945	0.355	0.114	0.774	0.113	>= 0.10	0.290	>= 0.10	0.023	Gamma; Lognormal; Normal	Normal
29_1_3_124	MW-19	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.963	0.660	0.116	0.755	0.959	0.575	0.121	0.697	0.111	>= 0.10	0.256	>= 0.10	0.194	Gamma; Lognormal; Normal	Normal
29_1_3_126	MW-19	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.910	0.086	0.181	0.123	0.921	0.133	0.165	0.220	0.174	>= 0.10	0.629	0.05 <= p < 0.10	0.135	Gamma; Lognormal; Normal	Normal
29_1_4_101	MW-19	Appendix IV	Antimony	mg/L	18	12	67%	0.947	0.716	0.181	0.780	0.893	0.333	0.277	0.158	0.258	>= 0.10	0.353	>= 0.10	0.732	Gamma; Lognormal; Normal	Nonparametric
29_1_4_102	MW-19	Appendix IV	Arsenic	mg/L	18	0	0%	0.940	0.289	0.126	0.631	0.906	0.073	0.156	0.289	0.156	>= 0.10	0.449	>= 0.10	0.486	Gamma; Lognormal; Normal	Normal
29_1_4_103	MW-19	Appendix IV	Barium	mg/L	18	0	0%	0.969	0.773	0.130	0.583	0.979	0.944	0.105	0.865	0.111	>= 0.10	0.201	>= 0.10	0.140	Gamma; Lognormal; Normal	Normal
29_1_4_104	MW-19	Appendix IV	Beryllium	mg/L	18	3	17%	0.920	0.195	0.155	0.426	0.930	0.272	0.147	0.517	0.158	>= 0.10	0.420	>= 0.10	0.252	Gamma; Lognormal; Normal	Normal
29_1_4_106	MW-19	Appendix IV	Cadmium	mg/L	18	16	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.129		Nonparametric
29_1_4_109	MW-19	Appendix IV	Chromium, Total	mg/L	18	5	28%	0.779	0.004	0.256	0.020	0.885	0.082	0.216	0.100	0.233	0.05 <= p < 0.10	0.711	0.05 <= p < 0.10	0.261	Gamma; Lognormal	Gamma
29_1_4_110	MW-19	Appendix IV	Cobalt	mg/L	18	1	6%	0.944	0.372	0.145	0.450	0.944	0.366	0.163	0.267	0.122	>= 0.10	0.274	>= 0.10	0.672	Gamma; Lognormal; Normal	Normal
29_1_4_113	MW-19	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.954	0.486	0.145	0.405	0.948	0.402	0.169	0.189	0.164	>= 0.10	0.376	>= 0.10	0.149	Gamma; Lognormal; Normal	Normal
29_1_4_115	MW-19	Appendix IV	Lead	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_1_4_116	MW-19	Appendix IV	Lithium	mg/L	18	0	0%	0.935	0.234	0.186	0.099	0.942	0.312	0.163	0.234	0.169	>= 0.10	0.406	>= 0.10	0.124	Gamma; Lognormal; Normal	Normal
29_1_4_117	MW-19	Appendix IV	Mercury	ng/L	18	16	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.260		Nonparametric
29_1_4_118	MW-19	Appendix IV	Molybdenum	mg/L	18	0	0%	0.924	0.153	0.196	0.066	0.924	0.152	0.153	0.324	0.147	>= 0.10	0.489	>= 0.10	0.438	Gamma; Lognormal; Normal	Normal
29_1_4_121	MW-19	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	0.905	0.248	0.195	0.346	0.907	0.260	0.193	0.365	0.190	>= 0.10	0.475	>= 0.10	0.306	Gamma; Lognormal; Normal	Normal
29_1_4_122	MW-19	Appendix IV	Selenium	mg/L	18	11	61%	0.556	0.000	0.370	0.004	0.745	0.011	0.320	0.029	0.374	0.01 <= p < 0.05	1.134	< 0.01	1.284	Nonparametric	Nonparametric
29_1_4_125	MW-19	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_1_5_111	MW-19	Part 115	Copper	mg/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.299		Nonparametric
29_1_5_114	MW-19	Part 115	Iron	mg/L	18	0	0%	0.976	0.894	0.101	0.901	0.946	0.366	0.128	0.605	0.108	>= 0.10	0.275	>= 0.10	0.284	Gamma; Lognormal; Normal	Normal
29_1_5_119	MW-19	Part 115	Nickel	mg/L	18	1	6%	0.604	0.000	0.328	0.000	0.873	0.024	0.178	0.162	0.240	0.01 <= p < 0.05	1.430	< 0.01	0.780	Lognormal	Lognormal
29_1_5_123	MW-19	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
29_1_5_128	MW-19	Part 115	Vanadium	mg/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.235		Nonparametric
29_1_5_129	MW-19	Part 115	Zinc	mg/L	18	10	56%	0.622	0.000	0.441	0.000	0.763	0.011	0.346	0.005	0.414	< 0.01	1.246	< 0.01	1.629	Nonparametric	Nonparametric
30_1_3_105	MW-20	Appendix III	Boron	mg/L	18	0	0%	0.903	0.064	0.175	0.155	0.927	0.170	0.163	0.237	0.173	>= 0.10	0.608	>= 0.10	0.207	Gamma; Lognormal; Normal	Normal
30_1_3_107	MW-20	Appendix III	Calcium	mg/L	18	0	0%	0.885	0.032	0.189	0.089	0.763	0.000	0.246	0.005	0.220	0.01 <= p < 0.05	1.080	< 0.01	0.222	Normal	Normal
30_1_3_108	MW-20	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.932	0.209	0.172	0.174	0.904	0.067	0.234	0.010	0.219	0.01 <= p < 0.05	0.728	0.05 <= p < 0.10	0.424	Gamma; Lognormal; Normal	Normal
30_1_3_112	MW-20	Appendix III	Fluoride	mg/L	18	0	0%	0.706	0.000	0.253	0.003	0.826	0.004	0.221	0.020	0.212	0.01 <= p < 0.05	1.343	< 0.01	0.282	Nonparametric	Nonparametric
30_1_3_120	MW-20	Appendix III	pH (field)	su	18	0	0%	0.937	0.259	0.184	0.111	0.936	0.252	0.184	0.111	0.191	0.05 <= p < 0.10	0.519	>= 0.10	0.014	Gamma; Lognormal; Normal	Normal
30_1_3_124	MW-20	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.940	0.289	0.143	0.425	0.956	0.523	0.153	0.320	0.149	>= 0.10	0.262	>= 0.10	0.579	Gamma; Lognormal; Normal	Normal
30_1_3_126	MW-20	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.928	0.180	0.183	0.115	0.850	0.008	0.214	0.028	0.206	0.01 <= p < 0.05	0.780	0.01 <= p < 0.05	0.196	Normal	Normal
30_1_4_101	MW-20	Appendix IV	Antimony	mg/L	18	7	39%	0.532	0.000	0.391	0.000	0.827	0.021	0.222	0.135	0.288	0.01 <= p < 0.05	1.215	< 0.01	0.668	Lognormal	Lognormal
30_1_4_102	MW-20	Appendix IV	Arsenic	mg/L	18	0	0%	0.924	0.151	0.164	0.227	0.932	0.213	0.154	0.308	0.165	>= 0.10	0.509	>= 0.10	0.207	Gamma; Lognormal; Normal	Normal

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
30_1_4_103	MW-20	Appendix IV	Barium	mg/L	18	0	0%	0.863	0.014	0.215	0.027	0.941	0.297	0.164	0.226	0.183	>= 0.10	0.609	>= 0.10	0.290	Gamma; Lognormal	Gamma
30_1_4_104	MW-20	Appendix IV	Beryllium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_1_4_106	MW-20	Appendix IV	Cadmium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_1_4_109	MW-20	Appendix IV	Chromium, Total	mg/L	18	9	50%	0.440	0.000	0.479	0.000	0.559	0.000	0.389	0.000	0.446	< 0.01	2.190	< 0.01	0.717	Nonparametric	Nonparametric
30_1_4_110	MW-20	Appendix IV	Cobalt	mg/L	18	0	0%	0.969	0.773	0.168	0.198	0.979	0.934	0.128	0.603	0.142	>= 0.10	0.229	>= 0.10	0.256	Gamma; Lognormal; Normal	Normal
30_1_4_113	MW-20	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.706	0.000	0.253	0.003	0.826	0.004	0.221	0.020	0.212	0.01 <= p < 0.05	1.343	< 0.01	0.282	Nonparametric	Nonparametric
30_1_4_115	MW-20	Appendix IV	Lead	mg/L	18	0	0%	0.553	0.000	0.323	0.000	0.821	0.003	0.217	0.025	0.258	< 0.01	1.412	< 0.01	0.415	Nonparametric	Nonparametric
30_1_4_116	MW-20	Appendix IV	Lithium	mg/L	18	0	0%	0.967	0.741	0.099	0.912	0.929	0.183	0.155	0.300	0.134	>= 0.10	0.430	>= 0.10	0.299	Gamma; Lognormal; Normal	Normal
30_1_4_117	MW-20	Appendix IV	Mercury	ng/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.721		Nonparametric
30_1_4_118	MW-20	Appendix IV	Molybdenum	mg/L	18	0	0%	0.976	0.904	0.118	0.732	0.975	0.891	0.127	0.618	0.122	>= 0.10	0.247	>= 0.10	0.170	Gamma; Lognormal; Normal	Normal
30_1_4_121	MW-20	Appendix IV	Radium 226 and 228	pCi/L	17	8	47%	0.785	0.014	0.317	0.009	0.864	0.106	0.290	0.028	0.310	0.01 <= p < 0.05	0.728	0.01 <= p < 0.05	0.368	Lognormal	Lognormal
30_1_4_122	MW-20	Appendix IV	Selenium	mg/L	18	10	56%	0.678	0.001	0.388	0.001	0.759	0.010	0.346	0.005	0.374	< 0.01	1.072	< 0.01	0.531	Nonparametric	Nonparametric
30_1_4_125	MW-20	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_1_5_111	MW-20	Part 115	Copper	mg/L	18	2	11%	0.456	0.000	0.367	0.000	0.790	0.002	0.178	0.190	0.257	< 0.01	1.844	< 0.01	0.693	Lognormal	Lognormal
30_1_5_114	MW-20	Part 115	Iron	mg/L	18	0	0%	0.952	0.456	0.182	0.119	0.933	0.216	0.212	0.032	0.203	0.01 <= p < 0.05	0.465	>= 0.10	0.170	Gamma; Lognormal; Normal	Normal
30_1_5_119	MW-20	Part 115	Nickel	mg/L	18	0	0%	0.482	0.000	0.422	0.000	0.749	0.000	0.309	0.000	0.353	< 0.01	2.081	< 0.01	0.403	Nonparametric	Nonparametric
30_1_5_123	MW-20	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_1_5_128	MW-20	Part 115	Vanadium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
30_1_5_129	MW-20	Part 115	Zinc	mg/L	18	0	0%	0.813	0.002	0.285	0.000	0.946	0.363	0.202	0.050	0.239	< 0.01	0.696	0.05 <= p < 0.10	0.582	Gamma; Lognormal	Gamma
38_1_3_105	MW-28	Appendix III	Boron	mg/L	8	0	0%	0.950	0.716	0.164	0.756	0.816	0.043	0.252	0.141	0.188	>= 0.10	0.408	>= 0.10	0.937	Gamma; Lognormal; Normal	Normal
38_1_3_107	MW-28	Appendix III	Calcium	mg/L	8	0	0%	0.945	0.665	0.202	0.441	0.939	0.597	0.229	0.251	0.207	>= 0.10	0.348	>= 0.10	0.195	Gamma; Lognormal; Normal	Normal
38_1_3_108	MW-28	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.899	0.282	0.270	0.088	0.837	0.070	0.323	0.014	0.327	0.01 <= p < 0.05	0.645	0.05 <= p < 0.10	0.910	Gamma; Lognormal; Normal	Normal
38_1_3_112	MW-28	Appendix III	Fluoride	mg/L	8	0	0%	0.961	0.818	0.173	0.681	0.898	0.280	0.226	0.269	0.205	>= 0.10	0.359	>= 0.10	0.489	Gamma; Lognormal; Normal	Normal
38_1_3_120	MW-28	Appendix III	pH (field)	su	8	0	0%	0.847	0.089	0.230	0.246	0.841	0.077	0.233	0.227	0.230	>= 0.10	0.567	>= 0.10	0.018	Gamma; Lognormal; Normal	Normal
38_1_3_124	MW-28	Appendix III	Sulfate (as SO4)	mg/L	8	2	25%	0.862	0.196	0.230	0.413	0.792	0.050	0.266	0.200	0.290	>= 0.10	0.583	>= 0.10	2.097	Gamma; Lognormal; Normal	Gamma
38_1_3_126	MW-28	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	0.960	0.806	0.183	0.600	0.932	0.537	0.200	0.450	0.208	>= 0.10	0.329	>= 0.10	0.269	Gamma; Lognormal; Normal	Normal
38_1_4_101	MW-28	Appendix IV	Antimony	mg/L	8	0	0%	0.631	0.000	0.344	0.006	0.855	0.108	0.206	0.406	0.276	>= 0.10	0.818	0.01 <= p < 0.05	0.923	Gamma; Lognormal	Gamma
38_1_4_102	MW-28	Appendix IV	Arsenic	mg/L	8	0	0%	0.811	0.037	0.244	0.172	0.950	0.715	0.183	0.600	0.213	>= 0.10	0.387	>= 0.10	0.488	Gamma; Lognormal; Normal	Normal
38_1_4_103	MW-28	Appendix IV	Barium	mg/L	8	0	0%	0.779	0.017	0.320	0.015	0.744	0.007	0.327	0.012	0.342	< 0.01	0.952	0.01 <= p < 0.05	0.586	Nonparametric	Nonparametric
38_1_4_104	MW-28	Appendix IV	Beryllium	mg/L	8	8	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
38_1_4_106	MW-28	Appendix IV	Cadmium	mg/L	8	5	62%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		2.177		Nonparametric
38_1_4_109	MW-28	Appendix IV	Chromium, Total	mg/L	8	0	0%	0.948	0.687	0.226	0.265	0.903	0.310	0.249	0.151	0.209	>= 0.10	0.301	>= 0.10	0.713	Gamma; Lognormal; Normal	Normal
38_1_4_110	MW-28	Appendix IV	Cobalt	mg/L	8	0	0%	0.881	0.192	0.239	0.196	0.930	0.520	0.161	0.782	0.204	>= 0.10	0.355	>= 0.10	0.952	Gamma; Lognormal; Normal	Normal
38_1_4_113	MW-28	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	0.961	0.818	0.173	0.681	0.898	0.280	0.226	0.269	0.205	>= 0.10	0.359	>= 0.10	0.489	Gamma; Lognormal; Normal	Normal
38_1_4_115	MW-28	Appendix IV	Lead	mg/L	8	0	0%	0.843	0.080	0.311	0.022	0.952	0.728	0.192	0.521	0.251	>= 0.10	0.373	>= 0.10	1.038	Gamma; Lognormal; Normal	Gamma
38_1_4_116	MW-28	Appendix IV	Lithium	mg/L	8	0	0%	0.917	0.405	0.195	0.495	0.733	0.005	0.280	0.065	0.226	>= 0.10	0.645	0.05 <= p < 0.10	1.161	Gamma; Lognormal; Normal	Gamma
38_1_4_117	MW-28	Appendix IV	Mercury	ng/L	8	3	38%	0.660	0.003	0.380	0.017	0.992	0.985	0.164	0.930	0.256	>= 0.10	0.316	>= 0.10	2.295	Gamma; Lognormal	Gamma
38_1_4_118	MW-28	Appendix IV	Molybdenum	mg/L	8	0	0%	0.798	0.027	0.283	0.059	0.963	0.839	0.223	0.284	0.187	>= 0.10	0.324	>= 0.10	0.866	Gamma; Lognormal; Normal	Normal
38_1_4_122	MW-28	Appendix IV	Selenium	mg/L	8	0	0%	0.466	0.000	0.484	0.000	0.552	0.000	0.433	0.000	0.470	< 0.01	1.997	< 0.01	0.643	Nonparametric	Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
38_1_4_125	MW-28	Appendix IV	Thallium	mg/L	8	8	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
38_1_5_111	MW-28	Part 115	Copper	mg/L	8	1	12%	0.566	0.000	0.431	0.000	0.860	0.151	0.242	0.246	0.334	0.01 <= p < 0.05	0.866	0.01 <= p < 0.05	1.094	Lognormal	Nonparametric
38_1_5_114	MW-28	Part 115	Iron	mg/L	8	0	0%	0.841	0.078	0.209	0.384	0.582	0.000	0.386	0.001	0.340	0.01 <= p < 0.05	1.296	< 0.01	1.158	Normal	Normal
38_1_5_119	MW-28	Part 115	Nickel	mg/L	8	0	0%	0.886	0.215	0.173	0.686	0.907	0.333	0.164	0.758	0.183	>= 0.10	0.314	>= 0.10	1.049	Gamma; Lognormal; Normal	Gamma
38_1_5_123	MW-28	Part 115	Silver	mg/L	8	8	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
38_1_5_128	MW-28	Part 115	Vanadium	mg/L	8	2	25%	0.960	0.822	0.191	0.703	0.936	0.630	0.219	0.489	0.198	>= 0.10	0.281	>= 0.10	0.165	Gamma; Lognormal; Normal	Normal
38_1_5_129	MW-28	Part 115	Zinc	mg/L	8	0	0%	0.767	0.012	0.227	0.260	0.969	0.887	0.154	0.835	0.160	>= 0.10	0.166	>= 0.10	1.729	Gamma; Lognormal; Normal	Gamma
40_1_3_105	MW-30	Appendix III	Boron	mg/L	18	0	0%	0.716	0.000	0.247	0.005	0.841	0.006	0.192	0.078	0.205	0.01 <= p < 0.05	1.091	< 0.01	0.192	Lognormal	Lognormal
40_1_3_107	MW-30	Appendix III	Calcium	mg/L	18	0	0%	0.863	0.014	0.219	0.023	0.644	0.000	0.338	0.000	0.290	< 0.01	1.668	< 0.01	0.548	Nonparametric	Nonparametric
40_1_3_108	MW-30	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.711	0.000	0.362	0.000	0.817	0.003	0.269	0.001	0.318	< 0.01	1.773	< 0.01	1.003	Nonparametric	Nonparametric
40_1_3_112	MW-30	Appendix III	Fluoride	mg/L	18	0	0%	0.887	0.034	0.227	0.015	0.803	0.002	0.250	0.004	0.246	< 0.01	1.107	< 0.01	0.194	Nonparametric	Nonparametric
40_1_3_120	MW-30	Appendix III	pH (field)	su	18	0	0%	0.809	0.002	0.209	0.036	0.796	0.001	0.215	0.027	0.210	0.01 <= p < 0.05	1.053	< 0.01	0.026	Nonparametric	Nonparametric
40_1_3_124	MW-30	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.860	0.012	0.190	0.084	0.814	0.002	0.234	0.010	0.221	0.01 <= p < 0.05	1.185	< 0.01	0.232	Normal	Normal
40_1_3_126	MW-30	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.800	0.002	0.287	0.000	0.854	0.010	0.263	0.002	0.275	< 0.01	1.374	< 0.01	0.259	Nonparametric	Nonparametric
40_1_4_101	MW-30	Appendix IV	Antimony	mg/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.482		Nonparametric
40_1_4_102	MW-30	Appendix IV	Arsenic	mg/L	18	2	11%	0.602	0.000	0.300	0.000	0.969	0.820	0.141	0.536	0.210	0.05 <= p < 0.10	0.778	0.01 <= p < 0.05	1.072	Gamma; Lognormal	Gamma
40_1_4_103	MW-30	Appendix IV	Barium	mg/L	18	0	0%	0.932	0.214	0.124	0.656	0.954	0.491	0.114	0.781	0.124	>= 0.10	0.336	>= 0.10	0.306	Gamma; Lognormal; Normal	Normal
40_1_4_104	MW-30	Appendix IV	Beryllium	mg/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.314		Nonparametric
40_1_4_106	MW-30	Appendix IV	Cadmium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
40_1_4_109	MW-30	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.890	0.039	0.121	0.699	0.983	0.973	0.102	0.889	0.095	>= 0.10	0.222	>= 0.10	0.473	Gamma; Lognormal; Normal	Normal
40_1_4_110	MW-30	Appendix IV	Cobalt	mg/L	18	0	0%	0.347	0.000	0.389	0.000	0.816	0.003	0.207	0.040	0.302	< 0.01	2.616	< 0.01	1.119	Nonparametric	Nonparametric
40_1_4_113	MW-30	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.887	0.034	0.227	0.015	0.803	0.002	0.250	0.004	0.246	< 0.01	1.107	< 0.01	0.194	Nonparametric	Nonparametric
40_1_4_115	MW-30	Appendix IV	Lead	mg/L	18	16	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		2.496		Nonparametric
40_1_4_116	MW-30	Appendix IV	Lithium	mg/L	18	0	0%	0.839	0.006	0.197	0.064	0.940	0.285	0.161	0.247	0.175	>= 0.10	0.585	>= 0.10	0.269	Gamma; Lognormal; Normal	Normal
40_1_4_117	MW-30	Appendix IV	Mercury	ng/L	18	16	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		5.258		Nonparametric
40_1_4_118	MW-30	Appendix IV	Molybdenum	mg/L	18	3	17%	0.516	0.000	0.406	0.000	0.864	0.027	0.238	0.022	0.315	< 0.01	1.828	< 0.01	1.282	Nonparametric	Nonparametric
40_1_4_121	MW-30	Appendix IV	Radium 226 and 228	pCi/L	18	10	56%	0.886	0.213	0.251	0.144	0.910	0.356	0.213	0.351	0.234	>= 0.10	0.462	>= 0.10	0.266	Gamma; Lognormal; Normal	Nonparametric
40_1_4_122	MW-30	Appendix IV	Selenium	mg/L	18	7	39%	0.503	0.000	0.370	0.000	0.768	0.004	0.213	0.178	0.292	0.01 <= p < 0.05	1.531	< 0.01	0.784	Lognormal	Lognormal
40_1_4_125	MW-30	Appendix IV	Thallium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
40_1_5_111	MW-30	Part 115	Copper	mg/L	18	12	67%	0.517	0.000	0.476	0.000	0.700	0.006	0.348	0.022	0.443	< 0.01	1.264	< 0.01	1.570	Nonparametric	Nonparametric
40_1_5_114	MW-30	Part 115	Iron	mg/L	18	0	0%	0.700	0.000	0.225	0.017	0.965	0.704	0.086	0.978	0.142	>= 0.10	0.464	>= 0.10	0.800	Gamma; Lognormal	Gamma
40_1_5_119	MW-30	Part 115	Nickel	mg/L	18	3	17%	0.368	0.000	0.411	0.000	0.860	0.024	0.213	0.066	0.280	< 0.01	2.044	< 0.01	1.284	Lognormal	Nonparametric
40_1_5_123	MW-30	Part 115	Silver	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
40_1_5_128	MW-30	Part 115	Vanadium	mg/L	18	15	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		2.304		Nonparametric
40_1_5_129	MW-30	Part 115	Zinc	mg/L	18	10	56%	0.727	0.005	0.341	0.007	0.908	0.342	0.256	0.128	0.318	0.01 <= p < 0.05	0.623	>= 0.10	1.644	Gamma; Lognormal	Nonparametric
41_1_3_105	MW-31	Appendix III	Boron	mg/L	18	0	0%	0.927	0.174	0.180	0.126	0.957	0.549	0.163	0.237	0.174	>= 0.10	0.418	>= 0.10	0.189	Gamma; Lognormal; Normal	Normal
41_1_3_107	MW-31	Appendix III	Calcium	mg/L	18	0	0%	0.718	0.000	0.242	0.007	0.843	0.007	0.197	0.062	0.210	0.01 <= p < 0.05	1.023	< 0.01	0.207	Lognormal	Lognormal
41_1_3_108	MW-31	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.727	0.000	0.296	0.000	0.802	0.002	0.261	0.002	0.274	< 0.01	1.547	< 0.01	0.183	Nonparametric	Nonparametric
41_1_3_112	MW-31	Appendix III	Fluoride	mg/L	18	0	0%	0.825	0.004	0.292	0.000	0.766	0.001	0.317	0.000	0.311	< 0.01	1.509	< 0.01	0.155	Nonparametric	Nonparametric

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
41_1_3_120	MW-31	Appendix III	pH (field)	su	18	0	0%	0.957	0.542	0.156	0.290	0.959	0.580	0.153	0.320	0.152	>= 0.10	0.399	>= 0.10	0.017	Gamma; Lognormal; Normal	Normal
41_1_3_124	MW-31	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.763	0.000	0.235	0.009	0.957	0.553	0.155	0.302	0.160	>= 0.10	0.315	>= 0.10	0.800	Gamma; Lognormal	Gamma
41_1_3_126	MW-31	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.612	0.000	0.263	0.002	0.713	0.000	0.223	0.018	0.237	< 0.01	1.706	< 0.01	0.167	Nonparametric	Nonparametric
41_1_4_101	MW-31	Appendix IV	Antimony	mg/L	18	7	39%	0.815	0.015	0.227	0.118	0.901	0.193	0.217	0.159	0.240	>= 0.10	0.533	>= 0.10	1.024	Gamma; Lognormal; Normal	Gamma
41_1_4_102	MW-31	Appendix IV	Arsenic	mg/L	18	0	0%	0.419	0.000	0.390	0.000	0.716	0.000	0.223	0.018	0.283	< 0.01	2.499	< 0.01	0.503	Nonparametric	Nonparametric
41_1_4_103	MW-31	Appendix IV	Barium	mg/L	18	0	0%	0.889	0.037	0.147	0.388	0.974	0.866	0.109	0.828	0.128	>= 0.10	0.317	>= 0.10	0.339	Gamma; Lognormal; Normal	Normal
41_1_4_104	MW-31	Appendix IV	Beryllium	mg/L	18	15	83%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.315		Nonparametric
41_1_4_106	MW-31	Appendix IV	Cadmium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
41_1_4_109	MW-31	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.857	0.011	0.189	0.087	0.909	0.083	0.141	0.455	0.158	>= 0.10	0.708	0.05 <= p < 0.10	0.284	Gamma; Lognormal; Normal	Normal
41_1_4_110	MW-31	Appendix IV	Cobalt	mg/L	18	3	17%	0.505	0.000	0.350	0.000	0.795	0.003	0.247	0.015	0.298	< 0.01	1.737	< 0.01	0.556	Nonparametric	Nonparametric
41_1_4_113	MW-31	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.825	0.004	0.292	0.000	0.766	0.001	0.317	0.000	0.311	< 0.01	1.509	< 0.01	0.155	Nonparametric	Nonparametric
41_1_4_115	MW-31	Appendix IV	Lead	mg/L	18	13	72%	0.815	0.108	0.244	0.424	0.825	0.127	0.243	0.432	0.270	>= 0.10	0.541	>= 0.10	0.290	Gamma; Lognormal; Normal	Nonparametric
41_1_4_116	MW-31	Appendix IV	Lithium	mg/L	18	0	0%	0.961	0.622	0.142	0.444	0.940	0.295	0.160	0.258	0.150	>= 0.10	0.469	>= 0.10	0.198	Gamma; Lognormal; Normal	Normal
41_1_4_117	MW-31	Appendix IV	Mercury	ng/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.555		Nonparametric
41_1_4_118	MW-31	Appendix IV	Molybdenum	mg/L	18	0	0%	0.544	0.000	0.369	0.000	0.848	0.008	0.235	0.010	0.288	< 0.01	2.101	< 0.01	0.857	Nonparametric	Nonparametric
41_1_4_121	MW-31	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	0.779	0.008	0.268	0.040	0.845	0.051	0.212	0.228	0.224	>= 0.10	0.850	0.01 <= p < 0.05	0.302	Gamma; Lognormal	Gamma
41_1_4_122	MW-31	Appendix IV	Selenium	mg/L	18	6	33%	0.337	0.000	0.511	0.000	0.574	0.000	0.354	0.000	0.458	< 0.01	3.271	< 0.01	1.658	Nonparametric	Nonparametric
41_1_4_125	MW-31	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
41_1_5_111	MW-31	Part 115	Copper	mg/L	18	10	56%	0.647	0.001	0.398	0.000	0.764	0.012	0.308	0.024	0.364	< 0.01	1.168	< 0.01	0.974	Nonparametric	Nonparametric
41_1_5_114	MW-31	Part 115	Iron	mg/L	18	0	0%	0.647	0.000	0.260	0.002	0.920	0.127	0.200	0.056	0.212	0.01 <= p < 0.05	0.745	0.05 <= p < 0.10	1.161	Gamma; Lognormal	Gamma
41_1_5_119	MW-31	Part 115	Nickel	mg/L	18	10	56%	0.638	0.000	0.346	0.005	0.872	0.159	0.272	0.084	0.283	>= 0.10	0.617	>= 0.10	2.395	Gamma; Lognormal	Nonparametric
41_1_5_123	MW-31	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
41_1_5_128	MW-31	Part 115	Vanadium	mg/L	18	12	67%	0.985	0.975	0.133	0.983	0.955	0.783	0.165	0.873	0.139	>= 0.10	0.204	>= 0.10	0.216	Gamma; Lognormal; Normal	Nonparametric
41_1_5_129	MW-31	Part 115	Zinc	mg/L	18	9	50%	0.793	0.017	0.214	0.275	0.883	0.171	0.225	0.209	0.245	>= 0.10	0.530	>= 0.10	1.109	Gamma; Lognormal; Normal	Nonparametric
42_1_3_105	MW-32	Appendix III	Boron	mg/L	18	0	0%	0.855	0.010	0.240	0.007	0.890	0.039	0.235	0.010	0.243	< 0.01	0.935	0.01 <= p < 0.05	0.250	Nonparametric	Nonparametric
42_1_3_107	MW-32	Appendix III	Calcium	mg/L	18	0	0%	0.961	0.626	0.148	0.375	0.971	0.817	0.132	0.564	0.141	>= 0.10	0.301	>= 0.10	0.154	Gamma; Lognormal; Normal	Normal
42_1_3_108	MW-32	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.943	0.326	0.169	0.189	0.960	0.606	0.154	0.314	0.153	>= 0.10	0.346	>= 0.10	0.116	Gamma; Lognormal; Normal	Normal
42_1_3_112	MW-32	Appendix III	Fluoride	mg/L	18	0	0%	0.936	0.250	0.179	0.133	0.932	0.212	0.200	0.055	0.188	0.05 <= p < 0.10	0.655	0.05 <= p < 0.10	0.134	Gamma; Lognormal; Normal	Normal
42_1_3_120	MW-32	Appendix III	pH (field)	su	18	0	0%	0.943	0.328	0.142	0.435	0.943	0.329	0.143	0.430	0.149	>= 0.10	0.491	>= 0.10	0.009	Gamma; Lognormal; Normal	Normal
42_1_3_124	MW-32	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.902	0.062	0.164	0.226	0.893	0.043	0.181	0.122	0.152	>= 0.10	0.531	>= 0.10	1.290	Gamma; Lognormal; Normal	Gamma
42_1_3_126	MW-32	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.957	0.552	0.141	0.446	0.956	0.520	0.143	0.423	0.151	>= 0.10	0.317	>= 0.10	0.132	Gamma; Lognormal; Normal	Normal
42_1_4_101	MW-32	Appendix IV	Antimony	mg/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.090		Nonparametric
42_1_4_102	MW-32	Appendix IV	Arsenic	mg/L	18	0	0%	0.416	0.000	0.423	0.000	0.641	0.000	0.298	0.000	0.350	< 0.01	2.731	< 0.01	0.401	Nonparametric	Nonparametric
42_1_4_103	MW-32	Appendix IV	Barium	mg/L	18	0	0%	0.941	0.306	0.190	0.085	0.870	0.017	0.151	0.345	0.109	>= 0.10	0.335	>= 0.10	0.723	Gamma; Lognormal; Normal	Normal
42_1_4_104	MW-32	Appendix IV	Beryllium	mg/L	18	17	94%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
42_1_4_106	MW-32	Appendix IV	Cadmium	mg/L	18	16	89%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.036		Nonparametric
42_1_4_109	MW-32	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.382	0.000	0.383	0.000	0.624	0.000	0.252	0.004	0.288	< 0.01	3.079	< 0.01	0.522	Nonparametric	Nonparametric
42_1_4_110	MW-32	Appendix IV	Cobalt	mg/L	18	0	0%	0.584	0.000	0.310	0.000	0.883	0.030	0.174	0.159	0.219	0.01 <= p < 0.05	1.079	< 0.01	0.487	Lognormal	Lognormal
42_1_4_113	MW-32	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.936	0.250	0.179	0.133	0.932	0.212	0.200	0.055	0.188	0.05 <= p < 0.10	0.655	0.05 <= p < 0.10	0.134	Gamma; Lognormal; Normal	Normal

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
42_1_4_115	MW-32	Appendix IV	Lead	mg/L	18	13	72%	0.781	0.056	0.330	0.080	0.769	0.044	0.345	0.052	0.365	0.01 <= p < 0.05	0.721	0.01 <= p < 0.05	0.616	Lognormal; Normal	Nonparametric
42_1_4_116	MW-32	Appendix IV	Lithium	mg/L	18	0	0%	0.927	0.175	0.131	0.574	0.946	0.362	0.138	0.490	0.140	>= 0.10	0.345	>= 0.10	0.236	Gamma; Lognormal; Normal	Normal
42_1_4_117	MW-32	Appendix IV	Mercury	ng/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		4.032		Nonparametric
42_1_4_118	MW-32	Appendix IV	Molybdenum	mg/L	18	0	0%	0.954	0.492	0.141	0.449	0.915	0.106	0.145	0.406	0.129	>= 0.10	0.469	>= 0.10	0.432	Gamma; Lognormal; Normal	Normal
42_1_4_121	MW-32	Appendix IV	Radium 226 and 228	pCi/L	18	9	50%	0.941	0.593	0.178	0.566	0.945	0.638	0.194	0.421	0.202	>= 0.10	0.322	>= 0.10	0.200	Gamma; Lognormal; Normal	Nonparametric
42_1_4_122	MW-32	Appendix IV	Selenium	mg/L	18	14	78%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		1.061		Nonparametric
42_1_4_125	MW-32	Appendix IV	Thallium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
42_1_5_111	MW-32	Part 115	Copper	mg/L	18	11	61%	0.464	0.000	0.497	0.000	0.608	0.000	0.417	0.001	0.495	< 0.01	1.755	< 0.01	1.533	Nonparametric	Nonparametric
42_1_5_114	MW-32	Part 115	Iron	mg/L	18	0	0%	0.965	0.700	0.106	0.852	0.972	0.842	0.106	0.852	0.096	>= 0.10	0.201	>= 0.10	0.222	Gamma; Lognormal; Normal	Normal
42_1_5_119	MW-32	Part 115	Nickel	mg/L	18	0	0%	0.323	0.000	0.425	0.000	0.634	0.000	0.271	0.001	0.346	< 0.01	3.680	< 0.01	0.799	Nonparametric	Nonparametric
42_1_5_123	MW-32	Part 115	Silver	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
42_1_5_128	MW-32	Part 115	Vanadium	mg/L	18	18	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
42_1_5_129	MW-32	Part 115	Zinc	mg/L	18	0	0%	0.656	0.000	0.406	0.000	0.759	0.000	0.313	0.000	0.372	< 0.01	2.380	< 0.01	1.243	Nonparametric	Nonparametric
46_1_3_105	MW-36	Appendix III	Boron	mg/L	8	0	0%	0.915	0.388	0.193	0.516	0.915	0.393	0.193	0.509	0.210	>= 0.10	0.391	>= 0.10	0.336	Gamma; Lognormal; Normal	Normal
46_1_3_107	MW-36	Appendix III	Calcium	mg/L	8	0	0%	0.969	0.890	0.169	0.717	0.970	0.895	0.166	0.744	0.183	>= 0.10	0.232	>= 0.10	0.120	Gamma; Lognormal; Normal	Normal
46_1_3_108	MW-36	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.958	0.791	0.174	0.678	0.944	0.646	0.200	0.458	0.185	>= 0.10	0.279	>= 0.10	0.143	Gamma; Lognormal; Normal	Normal
46_1_3_112	MW-36	Appendix III	Fluoride	mg/L	8	0	0%	0.808	0.035	0.253	0.139	0.834	0.066	0.235	0.213	0.243	>= 0.10	0.650	0.05 <= p < 0.10	0.162	Gamma; Lognormal; Normal	Normal
46_1_3_120	MW-36	Appendix III	pH (field)	su	8	0	0%	0.910	0.352	0.248	0.158	0.873	0.160	0.271	0.085	0.250	>= 0.10	0.476	>= 0.10	0.115	Gamma; Lognormal; Normal	Normal
46_1_3_124	MW-36	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	0.838	0.071	0.294	0.040	0.909	0.349	0.212	0.362	0.242	>= 0.10	0.453	>= 0.10	0.476	Gamma; Lognormal; Normal	Normal
46_1_3_126	MW-36	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	0.924	0.465	0.190	0.538	0.902	0.304	0.195	0.495	0.206	>= 0.10	0.356	>= 0.10	0.125	Gamma; Lognormal; Normal	Normal
46_1_4_101	MW-36	Appendix IV	Antimony	mg/L	8	0	0%	0.791	0.023	0.335	0.009	0.857	0.112	0.317	0.017	0.340	0.01 <= p < 0.05	0.736	0.01 <= p < 0.05	0.578	Lognormal	Lognormal
46_1_4_102	MW-36	Appendix IV	Arsenic	mg/L	8	0	0%	0.749	0.008	0.343	0.006	0.856	0.108	0.265	0.100	0.299	0.01 <= p < 0.05	0.763	0.01 <= p < 0.05	0.520	Lognormal	Lognormal
46_1_4_103	MW-36	Appendix IV	Barium	mg/L	8	0	0%	0.917	0.405	0.197	0.475	0.926	0.483	0.168	0.731	0.189	>= 0.10	0.334	>= 0.10	0.243	Gamma; Lognormal; Normal	Normal
46_1_4_104	MW-36	Appendix IV	Beryllium	mg/L	8	7	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
46_1_4_106	MW-36	Appendix IV	Cadmium	mg/L	8	0	0%	0.805	0.032	0.271	0.087	0.946	0.668	0.186	0.568	0.231	>= 0.10	0.358	>= 0.10	0.750	Gamma; Lognormal; Normal	Normal
46_1_4_109	MW-36	Appendix IV	Chromium, Total	mg/L	8	0	0%	0.856	0.109	0.193	0.514	0.933	0.541	0.165	0.754	0.175	>= 0.10	0.359	>= 0.10	0.392	Gamma; Lognormal; Normal	Normal
46_1_4_110	MW-36	Appendix IV	Cobalt	mg/L	8	0	0%	0.832	0.062	0.256	0.127	0.850	0.095	0.247	0.160	0.265	>= 0.10	0.669	0.05 <= p < 0.10	0.232	Gamma; Lognormal; Normal	Normal
46_1_4_113	MW-36	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	0.808	0.035	0.253	0.139	0.834	0.066	0.235	0.213	0.243	>= 0.10	0.650	0.05 <= p < 0.10	0.162	Gamma; Lognormal; Normal	Normal
46_1_4_115	MW-36	Appendix IV	Lead	mg/L	8	0	0%	0.861	0.123	0.226	0.267	0.966	0.864	0.138	0.923	0.177	>= 0.10	0.269	>= 0.10	0.742	Gamma; Lognormal; Normal	Normal
46_1_4_116	MW-36	Appendix IV	Lithium	mg/L	8	0	0%	0.966	0.867	0.166	0.747	0.938	0.589	0.161	0.783	0.180	>= 0.10	0.255	>= 0.10	0.413	Gamma; Lognormal; Normal	Normal
46_1_4_117	MW-36	Appendix IV	Mercury	ng/L	8	4	50%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.474		Nonparametric
46_1_4_118	MW-36	Appendix IV	Molybdenum	mg/L	8	0	0%	0.912	0.367	0.228	0.256	0.939	0.601	0.178	0.644	0.200	>= 0.10	0.344	>= 0.10	0.327	Gamma; Lognormal; Normal	Normal
46_1_4_122	MW-36	Appendix IV	Selenium	mg/L	8	0	0%	0.893	0.249	0.222	0.292	0.881	0.193	0.221	0.299	0.241	>= 0.10	0.586	>= 0.10	0.167	Gamma; Lognormal; Normal	Normal
46_1_4_125	MW-36	Appendix IV	Thallium	mg/L	8	8	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
46_1_5_111	MW-36	Part 115	Copper	mg/L	8	0	0%	0.846	0.086	0.215	0.338	0.920	0.426	0.172	0.695	0.206	>= 0.10	0.375	>= 0.10	0.748	Gamma; Lognormal; Normal	Normal
46_1_5_114	MW-36	Part 115	Iron	mg/L	8	0	0%	0.852	0.101	0.254	0.132	0.885	0.208	0.212	0.360	0.233	>= 0.10	0.549	>= 0.10	0.439	Gamma; Lognormal; Normal	Normal
46_1_5_119	MW-36	Part 115	Nickel	mg/L	8	0	0%	0.912	0.366	0.226	0.268	0.969	0.892	0.176	0.660	0.195	>= 0.10	0.284	>= 0.10	0.377	Gamma; Lognormal; Normal	Normal
46_1_5_123	MW-36	Part 115	Silver	mg/L	8	0	0%	0.741	0.006	0.276	0.074	0.932	0.538	0.200	0.456	0.246	>= 0.10	0.446	>= 0.10	0.815	Gamma; Lognormal; Normal	Normal
46_1_5_128	MW-36	Part 115	Vanadium	mg/L	8	0	0%	0.854	0.104	0.215	0.341	0.901	0.298	0.173	0.688	0.190	>= 0.10	0.443	>= 0.10	0.296	Gamma; Lognormal; Normal	Normal

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
46_1_5_129	MW-36	Part 115	Zinc	mg/L	8	0	0%	0.913	0.375	0.173	0.688	0.925	0.474	0.172	0.697	0.186	>= 0.10	0.303	>= 0.10	0.706	Gamma; Lognormal; Normal	Normal
47_1_3_105	MW-37	Appendix III	Boron	mg/L	8	0	0%	0.981	0.965	0.150	0.857	0.933	0.542	0.215	0.336	0.190	>= 0.10	0.251	>= 0.10	0.363	Gamma; Lognormal; Normal	Normal
47_1_3_107	MW-37	Appendix III	Calcium	mg/L	8	0	0%	0.892	0.245	0.251	0.144	0.919	0.421	0.225	0.274	0.224	>= 0.10	0.470	>= 0.10	0.151	Gamma; Lognormal; Normal	Normal
47_1_3_108	MW-37	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.873	0.162	0.224	0.276	0.950	0.713	0.191	0.528	0.214	>= 0.10	0.380	>= 0.10	0.443	Gamma; Lognormal; Normal	Normal
47_1_3_112	MW-37	Appendix III	Fluoride	mg/L	8	0	0%	0.926	0.480	0.182	0.605	0.908	0.341	0.214	0.349	0.200	>= 0.10	0.374	>= 0.10	0.177	Gamma; Lognormal; Normal	Normal
47_1_3_120	MW-37	Appendix III	pH (field)	su	8	0	0%	0.904	0.314	0.206	0.407	0.906	0.324	0.203	0.431	0.209	>= 0.10	0.410	>= 0.10	0.021	Gamma; Lognormal; Normal	Normal
47_1_3_124	MW-37	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	0.883	0.200	0.196	0.489	0.808	0.035	0.262	0.107	0.240	>= 0.10	0.714	0.05 <= p < 0.10	0.410	Gamma; Lognormal; Normal	Normal
47_1_3_126	MW-37	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	0.923	0.453	0.211	0.371	0.912	0.371	0.218	0.321	0.231	>= 0.10	0.394	>= 0.10	0.113	Gamma; Lognormal; Normal	Normal
47_1_4_101	MW-37	Appendix IV	Antimony	mg/L	8	1	12%	0.794	0.036	0.295	0.065	0.909	0.392	0.252	0.199	0.278	>= 0.10	0.532	>= 0.10	0.607	Gamma; Lognormal; Normal	Normal
47_1_4_102	MW-37	Appendix IV	Arsenic	mg/L	8	0	0%	0.864	0.132	0.227	0.262	0.927	0.493	0.175	0.669	0.180	>= 0.10	0.337	>= 0.10	0.287	Gamma; Lognormal; Normal	Normal
47_1_4_103	MW-37	Appendix IV	Barium	mg/L	8	0	0%	0.934	0.556	0.201	0.448	0.921	0.440	0.214	0.343	0.217	>= 0.10	0.372	>= 0.10	0.325	Gamma; Lognormal; Normal	Normal
47_1_4_104	MW-37	Appendix IV	Beryllium	mg/L	8	7	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
47_1_4_106	MW-37	Appendix IV	Cadmium	mg/L	8	5	62%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.084		Nonparametric
47_1_4_109	MW-37	Appendix IV	Chromium, Total	mg/L	8	0	0%	0.623	0.000	0.331	0.010	0.813	0.039	0.243	0.177	0.287	0.05 <= p < 0.10	0.930	0.01 <= p < 0.05	0.617	Gamma; Lognormal	Gamma
47_1_4_110	MW-37	Appendix IV	Cobalt	mg/L	8	0	0%	0.940	0.616	0.172	0.694	0.954	0.748	0.139	0.922	0.162	>= 0.10	0.236	>= 0.10	0.326	Gamma; Lognormal; Normal	Normal
47_1_4_113	MW-37	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	0.926	0.480	0.182	0.605	0.908	0.341	0.214	0.349	0.200	>= 0.10	0.374	>= 0.10	0.177	Gamma; Lognormal; Normal	Normal
47_1_4_115	MW-37	Appendix IV	Lead	mg/L	8	2	25%	0.540	0.000	0.465	0.000	0.824	0.096	0.269	0.191	0.387	0.01 <= p < 0.05	0.915	0.01 <= p < 0.05	1.684	Lognormal	Nonparametric
47_1_4_116	MW-37	Appendix IV	Lithium	mg/L	8	0	0%	0.921	0.438	0.175	0.669	0.914	0.385	0.169	0.719	0.184	>= 0.10	0.347	>= 0.10	0.337	Gamma; Lognormal; Normal	Normal
47_1_4_117	MW-37	Appendix IV	Mercury	ng/L	8	4	50%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.773		Nonparametric
47_1_4_118	MW-37	Appendix IV	Molybdenum	mg/L	8	0	0%	0.925	0.468	0.175	0.667	0.927	0.491	0.144	0.894	0.159	>= 0.10	0.309	>= 0.10	0.323	Gamma; Lognormal; Normal	Normal
47_1_4_121	MW-37	Appendix IV	Radium 226 and 228	pCi/L	8	5	62%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.280		Nonparametric
47_1_4_122	MW-37	Appendix IV	Selenium	mg/L	8	0	0%	0.808	0.035	0.273	0.080	0.938	0.588	0.181	0.618	0.229	>= 0.10	0.426	>= 0.10	0.797	Gamma; Lognormal; Normal	Normal
47_1_4_125	MW-37	Appendix IV	Thallium	mg/L	8	8	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
47_1_5_111	MW-37	Part 115	Copper	mg/L	8	0	0%	0.698	0.002	0.387	0.001	0.912	0.368	0.268	0.094	0.310	0.01 <= p < 0.05	0.588	>= 0.10	0.621	Gamma; Lognormal	Gamma
47_1_5_114	MW-37	Part 115	Iron	mg/L	8	1	12%	0.950	0.729	0.151	0.898	0.828	0.076	0.263	0.151	0.256	>= 0.10	0.464	>= 0.10	1.779	Gamma; Lognormal; Normal	Gamma
47_1_5_119	MW-37	Part 115	Nickel	mg/L	8	0	0%	0.980	0.963	0.150	0.863	0.928	0.498	0.201	0.442	0.171	>= 0.10	0.254	>= 0.10	0.344	Gamma; Lognormal; Normal	Normal
47_1_5_123	MW-37	Part 115	Silver	mg/L	8	7	88%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
47_1_5_128	MW-37	Part 115	Vanadium	mg/L	8	4	50%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.428		Nonparametric
47_1_5_129	MW-37	Part 115	Zinc	mg/L	8	0	0%	0.906	0.330	0.218	0.320	0.889	0.227	0.231	0.237	0.240	>= 0.10	0.511	>= 0.10	0.271	Gamma; Lognormal; Normal	Normal
48_2_3_105	MW-38	Appendix III	Boron	mg/L	8	0	0%	0.960	0.811	0.145	0.887	0.885	0.211	0.206	0.404	0.180	>= 0.10	0.370	>= 0.10	0.683	Gamma; Lognormal; Normal	Normal
48_2_3_107	MW-38	Appendix III	Calcium	mg/L	8	0	0%	0.546	0.000	0.387	0.001	0.722	0.004	0.291	0.044	0.334	0.01 <= p < 0.05	1.302	< 0.01	0.671	Nonparametric	Nonparametric
48_2_3_108	MW-38	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.915	0.392	0.150	0.858	0.855	0.107	0.227	0.263	0.188	>= 0.10	0.467	>= 0.10	0.633	Gamma; Lognormal; Normal	Normal
48_2_3_112	MW-38	Appendix III	Fluoride	mg/L	8	0	0%	0.853	0.102	0.214	0.344	0.944	0.649	0.160	0.790	0.184	>= 0.10	0.334	>= 0.10	0.359	Gamma; Lognormal; Normal	Normal
48_2_3_120	MW-38	Appendix III	pH (field)	su	8	0	0%	0.940	0.610	0.228	0.257	0.937	0.585	0.235	0.215	0.223	>= 0.10	0.379	>= 0.10	0.053	Gamma; Lognormal; Normal	Normal
48_2_3_124	MW-38	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	0.926	0.481	0.152	0.844	0.956	0.770	0.152	0.847	0.169	>= 0.10	0.259	>= 0.10	0.321	Gamma; Lognormal; Normal	Normal
48_2_3_126	MW-38	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	0.927	0.492	0.186	0.570	0.936	0.568	0.191	0.530	0.206	>= 0.10	0.307	>= 0.10	0.382	Gamma; Lognormal; Normal	Normal
48_2_4_101	MW-38	Appendix IV	Antimony	mg/L	8	1	12%	0.942	0.657	0.190	0.621	0.920	0.467	0.176	0.738	0.163	>= 0.10	0.281	>= 0.10	0.628	Gamma; Lognormal; Normal	Normal
48_2_4_102	MW-38	Appendix IV	Arsenic	mg/L	8	0	0%	0.926	0.483	0.214	0.343	0.934	0.553	0.214	0.343	0.213	>= 0.10	0.339	>= 0.10	0.408	Gamma; Lognormal; Normal	Normal
48_2_4_103	MW-38	Appendix IV	Barium	mg/L	8	0	0%	0.932	0.531	0.195	0.499	0.944	0.654	0.165	0.749	0.157	>= 0.10	0.255	>= 0.10	0.559	Gamma; Lognormal; Normal	Normal

(Table continues on next page)

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 3: Goodness-of-Fit Tests, Non-Detects Excluded *(continued)*

								Normal				Lognormal				Gamma						
								S-W		Lilliefors		S-W		Lilliefors		K-S		A-D				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Stat.	p-Value	Log-SD (NDs excl.)	ProUCL Distributions Fit	Recommended Distribution
48_2_4_104	MW-38	Appendix IV	Beryllium	mg/L	8	5	62%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.248		Nonparametric
48_2_4_106	MW-38	Appendix IV	Cadmium	mg/L	8	3	38%	0.872	0.275	0.310	0.118	0.921	0.537	0.258	0.333	0.299	>= 0.10	0.389	>= 0.10	0.678	Gamma; Lognormal; Normal	Nonparametric
48_2_4_109	MW-38	Appendix IV	Chromium, Total	mg/L	8	0	0%	0.865	0.136	0.257	0.125	0.903	0.307	0.228	0.253	0.256	>= 0.10	0.497	>= 0.10	0.659	Gamma; Lognormal; Normal	Normal
48_2_4_110	MW-38	Appendix IV	Cobalt	mg/L	8	0	0%	0.914	0.383	0.210	0.379	0.899	0.285	0.213	0.353	0.229	>= 0.10	0.421	>= 0.10	0.441	Gamma; Lognormal; Normal	Normal
48_2_4_113	MW-38	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	0.853	0.102	0.214	0.344	0.944	0.649	0.160	0.790	0.184	>= 0.10	0.334	>= 0.10	0.359	Gamma; Lognormal; Normal	Normal
48_2_4_115	MW-38	Appendix IV	Lead	mg/L	8	1	12%	0.794	0.036	0.297	0.061	0.936	0.599	0.156	0.871	0.206	>= 0.10	0.417	>= 0.10	1.047	Gamma; Lognormal; Normal	Gamma
48_2_4_116	MW-38	Appendix IV	Lithium	mg/L	8	0	0%	0.890	0.235	0.235	0.218	0.835	0.067	0.257	0.124	0.251	>= 0.10	0.643	0.05 <= p < 0.10	0.398	Gamma; Lognormal; Normal	Normal
48_2_4_117	MW-38	Appendix IV	Mercury	ng/L	8	4	50%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.547		Nonparametric
48_2_4_118	MW-38	Appendix IV	Molybdenum	mg/L	8	0	0%	0.946	0.671	0.186	0.572	0.826	0.054	0.254	0.136	0.203	>= 0.10	0.371	>= 0.10	1.014	Gamma; Lognormal; Normal	Gamma
48_2_4_122	MW-38	Appendix IV	Selenium	mg/L	8	0	0%	0.976	0.941	0.150	0.860	0.862	0.125	0.219	0.308	0.174	>= 0.10	0.332	>= 0.10	0.758	Gamma; Lognormal; Normal	Normal
48_2_4_125	MW-38	Appendix IV	Thallium	mg/L	8	8	100%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		NA		Nonparametric
48_2_5_111	MW-38	Part 115	Copper	mg/L	8	1	12%	0.798	0.039	0.306	0.046	0.940	0.640	0.165	0.818	0.205	>= 0.10	0.391	>= 0.10	1.047	Gamma; Lognormal	Gamma
48_2_5_114	MW-38	Part 115	Iron	mg/L	8	0	0%	0.748	0.008	0.268	0.096	0.970	0.897	0.139	0.920	0.205	>= 0.10	0.341	>= 0.10	1.084	Gamma; Lognormal; Normal	Gamma
48_2_5_119	MW-38	Part 115	Nickel	mg/L	8	0	0%	0.968	0.884	0.184	0.590	0.846	0.088	0.259	0.116	0.203	>= 0.10	0.348	>= 0.10	0.816	Gamma; Lognormal; Normal	Normal
48_2_5_123	MW-38	Part 115	Silver	mg/L	8	5	62%	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA		0.564		Nonparametric
48_2_5_128	MW-38	Part 115	Vanadium	mg/L	8	1	12%	0.895	0.300	0.171	0.772	0.927	0.526	0.161	0.844	0.183	>= 0.10	0.315	>= 0.10	0.445	Gamma; Lognormal; Normal	Normal
48_2_5_129	MW-38	Part 115	Zinc	mg/L	8	1	12%	0.867	0.175	0.220	0.383	0.838	0.095	0.283	0.096	0.280	>= 0.10	0.562	>= 0.10	0.748	Gamma; Lognormal; Normal	Normal

Note: p-values above 0.05 suggest a fit to the tested distribution; a distribution passes its GOF test when at least one of the two p-values is above 0.05.

Table 4: Autocorrelation Tests, Non-Detects Excluded

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
11_2_3_105	MW-01R	Appendix III	Boron	mg/L	18	0	0%	0.245	0.259	
11_2_3_107	MW-01R	Appendix III	Calcium	mg/L	18	0	0%	0.213	0.327	
11_2_3_108	MW-01R	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.065	0.764	
11_2_3_112	MW-01R	Appendix III	Fluoride	mg/L	18	0	0%	0.369	0.090	
11_2_3_120	MW-01R	Appendix III	pH (field)	su	18	0	0%	-0.080	0.712	
11_2_3_124	MW-01R	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.218	0.315	
11_2_3_126	MW-01R	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-0.013	0.954	
11_2_4_101	MW-01R	Appendix IV	Antimony	mg/L	18	3	17%	0.288	0.219	
11_2_4_102	MW-01R	Appendix IV	Arsenic	mg/L	18	0	0%	-0.077	0.723	
11_2_4_103	MW-01R	Appendix IV	Barium	mg/L	18	0	0%	0.512	0.018	*
11_2_4_104	MW-01R	Appendix IV	Beryllium	mg/L	18	2	11%	0.319	0.162	
11_2_4_106	MW-01R	Appendix IV	Cadmium	mg/L	18	13	72%	-0.367	0.278	
11_2_4_109	MW-01R	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.107	0.624	
11_2_4_110	MW-01R	Appendix IV	Cobalt	mg/L	18	0	0%	0.004	0.984	
11_2_4_113	MW-01R	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.369	0.090	
11_2_4_115	MW-01R	Appendix IV	Lead	mg/L	18	2	11%	0.006	0.978	
11_2_4_116	MW-01R	Appendix IV	Lithium	mg/L	18	0	0%	0.228	0.293	
11_2_4_117	MW-01R	Appendix IV	Mercury	ng/L	18	15	83%	-0.100	0.784	
11_2_4_118	MW-01R	Appendix IV	Molybdenum	mg/L	18	2	11%	0.033	0.884	
11_2_4_121	MW-01R	Appendix IV	Radium 226 and 228	pCi/L	18	12	67%	-0.747	0.021	*
11_2_4_122	MW-01R	Appendix IV	Selenium	mg/L	18	0	0%	-0.125	0.564	
11_2_5_111	MW-01R	Part 115	Copper	mg/L	18	6	33%	-0.213	0.406	
11_2_5_114	MW-01R	Part 115	Iron	mg/L	18	0	0%	0.235	0.279	
11_2_5_119	MW-01R	Part 115	Nickel	mg/L	18	0	0%	-0.095	0.663	
11_2_5_128	MW-01R	Part 115	Vanadium	mg/L	18	2	11%	0.249	0.276	
11_2_5_129	MW-01R	Part 115	Zinc	mg/L	18	3	17%	-0.094	0.690	
12_2_3_105	MW-02	Appendix III	Boron	mg/L	18	0	0%	0.079	0.716	
12_2_3_107	MW-02	Appendix III	Calcium	mg/L	18	0	0%	0.054	0.805	
12_2_3_108	MW-02	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.129	0.553	
12_2_3_112	MW-02	Appendix III	Fluoride	mg/L	18	0	0%	0.470	0.031	*
12_2_3_120	MW-02	Appendix III	pH (field)	su	18	0	0%	0.082	0.706	
12_2_3_124	MW-02	Appendix III	Sulfate (as SO4)	mg/L	18	10	56%	-0.457	0.123	
12_2_3_126	MW-02	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.346	0.111	
12_2_4_101	MW-02	Appendix IV	Antimony	mg/L	18	3	17%	-0.052	0.825	
12_2_4_102	MW-02	Appendix IV	Arsenic	mg/L	18	0	0%	0.160	0.461	
12_2_4_103	MW-02	Appendix IV	Barium	mg/L	18	0	0%	0.188	0.387	
12_2_4_104	MW-02	Appendix IV	Beryllium	mg/L	18	1	6%	0.224	0.313	
12_2_4_106	MW-02	Appendix IV	Cadmium	mg/L	18	12	67%	-0.265	0.412	
12_2_4_109	MW-02	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.116	0.594	
12_2_4_110	MW-02	Appendix IV	Cobalt	mg/L	18	0	0%	0.173	0.426	
12_2_4_113	MW-02	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.470	0.031	*
12_2_4_115	MW-02	Appendix IV	Lead	mg/L	18	1	6%	-0.081	0.715	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
12_2_4_116	MW-02	Appendix IV	Lithium	mg/L	18	0	0%	0.145	0.504	
12_2_4_117	MW-02	Appendix IV	Mercury	ng/L	18	14	78%	-0.090	0.800	
12_2_4_118	MW-02	Appendix IV	Molybdenum	mg/L	18	0	0%	0.096	0.658	
12_2_4_121	MW-02	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	0.139	0.599	
12_2_4_122	MW-02	Appendix IV	Selenium	mg/L	18	0	0%	0.232	0.285	
12_2_4_125	MW-02	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	
12_2_5_111	MW-02	Part 115	Copper	mg/L	18	0	0%	-0.034	0.874	
12_2_5_114	MW-02	Part 115	Iron	mg/L	18	0	0%	0.183	0.399	
12_2_5_119	MW-02	Part 115	Nickel	mg/L	18	0	0%	0.214	0.324	
12_2_5_128	MW-02	Part 115	Vanadium	mg/L	18	1	6%	0.165	0.457	
12_2_5_129	MW-02	Part 115	Zinc	mg/L	18	0	0%	-0.013	0.951	
13_2_3_105	MW-03	Appendix III	Boron	mg/L	18	0	0%	-0.350	0.107	
13_2_3_107	MW-03	Appendix III	Calcium	mg/L	18	0	0%	0.101	0.643	
13_2_3_108	MW-03	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.493	0.023	*
13_2_3_112	MW-03	Appendix III	Fluoride	mg/L	18	0	0%	0.048	0.824	
13_2_3_120	MW-03	Appendix III	pH (field)	su	18	0	0%	-0.173	0.426	
13_2_3_124	MW-03	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.596	0.006	**
13_2_3_126	MW-03	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.629	0.004	**
13_2_4_101	MW-03	Appendix IV	Antimony	mg/L	18	12	67%	-0.085	0.792	
13_2_4_102	MW-03	Appendix IV	Arsenic	mg/L	18	0	0%	0.226	0.298	
13_2_4_103	MW-03	Appendix IV	Barium	mg/L	18	0	0%	-0.369	0.089	
13_2_4_104	MW-03	Appendix IV	Beryllium	mg/L	18	11	61%	-0.602	0.051	
13_2_4_106	MW-03	Appendix IV	Cadmium	mg/L	18	17	94%	NA	NA	
13_2_4_109	MW-03	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.052	0.811	
13_2_4_110	MW-03	Appendix IV	Cobalt	mg/L	18	0	0%	-0.133	0.540	
13_2_4_113	MW-03	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.048	0.824	
13_2_4_115	MW-03	Appendix IV	Lead	mg/L	18	17	94%	NA	NA	
13_2_4_116	MW-03	Appendix IV	Lithium	mg/L	18	0	0%	0.384	0.077	
13_2_4_117	MW-03	Appendix IV	Mercury	ng/L	18	14	78%	-0.082	0.816	
13_2_4_118	MW-03	Appendix IV	Molybdenum	mg/L	18	13	72%	-0.241	0.476	
13_2_4_121	MW-03	Appendix IV	Radium 226 and 228	pCi/L	17	3	18%	-0.142	0.557	
13_2_4_122	MW-03	Appendix IV	Selenium	mg/L	18	3	17%	0.228	0.331	
13_2_4_125	MW-03	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	
13_2_5_111	MW-03	Part 115	Copper	mg/L	18	9	50%	-0.557	0.050	
13_2_5_114	MW-03	Part 115	Iron	mg/L	18	0	0%	0.618	0.004	**
13_2_5_119	MW-03	Part 115	Nickel	mg/L	18	1	6%	-0.016	0.943	
13_2_5_128	MW-03	Part 115	Vanadium	mg/L	18	9	50%	0.075	0.791	
13_2_5_129	MW-03	Part 115	Zinc	mg/L	18	9	50%	-0.087	0.761	
14_2_3_105	MW-04	Appendix III	Boron	mg/L	18	0	0%	0.348	0.109	
14_2_3_107	MW-04	Appendix III	Calcium	mg/L	18	0	0%	-0.168	0.440	
14_2_3_108	MW-04	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.699	0.001	**
14_2_3_112	MW-04	Appendix III	Fluoride	mg/L	18	0	0%	0.043	0.843	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
14_2_3_120	MW-04	Appendix III	pH (field)	su	18	0	0%	0.375	0.084	
14_2_3_124	MW-04	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.208	0.338	
14_2_3_126	MW-04	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-0.190	0.381	
14_2_4_101	MW-04	Appendix IV	Antimony	mg/L	18	12	67%	-0.163	0.614	
14_2_4_102	MW-04	Appendix IV	Arsenic	mg/L	18	0	0%	0.058	0.789	
14_2_4_103	MW-04	Appendix IV	Barium	mg/L	18	0	0%	-0.077	0.723	
14_2_4_104	MW-04	Appendix IV	Beryllium	mg/L	18	15	83%	-0.362	0.321	
14_2_4_109	MW-04	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.220	0.311	
14_2_4_110	MW-04	Appendix IV	Cobalt	mg/L	18	0	0%	0.380	0.080	
14_2_4_113	MW-04	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.043	0.843	
14_2_4_115	MW-04	Appendix IV	Lead	mg/L	18	15	83%	-0.419	0.252	
14_2_4_116	MW-04	Appendix IV	Lithium	mg/L	18	0	0%	0.008	0.971	
14_2_4_117	MW-04	Appendix IV	Mercury	ng/L	18	14	78%	-0.240	0.497	
14_2_4_118	MW-04	Appendix IV	Molybdenum	mg/L	18	2	11%	0.301	0.187	
14_2_4_121	MW-04	Appendix IV	Radium 226 and 228	pCi/L	18	6	33%	0.341	0.183	
14_2_4_122	MW-04	Appendix IV	Selenium	mg/L	18	5	28%	-0.259	0.297	
14_2_5_111	MW-04	Part 115	Copper	mg/L	18	13	72%	0.356	0.292	
14_2_5_114	MW-04	Part 115	Iron	mg/L	18	0	0%	0.461	0.034	*
14_2_5_119	MW-04	Part 115	Nickel	mg/L	18	0	0%	0.112	0.607	
14_2_5_128	MW-04	Part 115	Vanadium	mg/L	18	10	56%	0.184	0.535	
14_2_5_129	MW-04	Part 115	Zinc	mg/L	18	10	56%	0.040	0.892	
16_1_3_105	MW-06	Appendix III	Boron	mg/L	18	0	0%	0.160	0.460	
16_1_3_107	MW-06	Appendix III	Calcium	mg/L	18	0	0%	0.443	0.042	*
16_1_3_108	MW-06	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.529	0.015	*
16_1_3_112	MW-06	Appendix III	Fluoride	mg/L	18	0	0%	0.209	0.335	
16_1_3_120	MW-06	Appendix III	pH (field)	su	18	0	0%	0.105	0.630	
16_1_3_124	MW-06	Appendix III	Sulfate (as SO4)	mg/L	18	2	11%	-0.043	0.850	
16_1_3_126	MW-06	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.082	0.707	
16_1_4_101	MW-06	Appendix IV	Antimony	mg/L	18	16	89%	-0.500	0.157	
16_1_4_102	MW-06	Appendix IV	Arsenic	mg/L	18	0	0%	-0.022	0.919	
16_1_4_103	MW-06	Appendix IV	Barium	mg/L	18	0	0%	0.186	0.393	
16_1_4_104	MW-06	Appendix IV	Beryllium	mg/L	18	16	89%	-0.500	0.157	
16_1_4_109	MW-06	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.365	0.093	
16_1_4_110	MW-06	Appendix IV	Cobalt	mg/L	18	0	0%	0.519	0.017	*
16_1_4_113	MW-06	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.209	0.335	
16_1_4_115	MW-06	Appendix IV	Lead	mg/L	18	10	56%	0.158	0.593	
16_1_4_116	MW-06	Appendix IV	Lithium	mg/L	18	0	0%	0.400	0.066	
16_1_4_117	MW-06	Appendix IV	Mercury	ng/L	18	14	78%	-0.741	0.036	*
16_1_4_118	MW-06	Appendix IV	Molybdenum	mg/L	18	10	56%	0.309	0.296	
16_1_4_121	MW-06	Appendix IV	Radium 226 and 228	pCi/L	18	3	17%	-0.345	0.141	
16_1_4_122	MW-06	Appendix IV	Selenium	mg/L	18	5	28%	-0.094	0.703	
16_1_5_111	MW-06	Part 115	Copper	mg/L	18	13	72%	-0.518	0.126	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
16_1_5_114	MW-06	Part 115	Iron	mg/L	18	0	0%	0.552	0.011	*
16_1_5_119	MW-06	Part 115	Nickel	mg/L	18	6	33%	0.049	0.847	
16_1_5_128	MW-06	Part 115	Vanadium	mg/L	18	14	78%	0.200	0.572	
16_1_5_129	MW-06	Part 115	Zinc	mg/L	18	2	11%	-0.292	0.201	
17_1_3_105	MW-07	Appendix III	Boron	mg/L	18	0	0%	-0.051	0.816	
17_1_3_107	MW-07	Appendix III	Calcium	mg/L	18	0	0%	-0.074	0.733	
17_1_3_108	MW-07	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.790	0.000	***
17_1_3_112	MW-07	Appendix III	Fluoride	mg/L	18	4	22%	0.168	0.484	
17_1_3_120	MW-07	Appendix III	pH (field)	su	18	0	0%	0.137	0.530	
17_1_3_124	MW-07	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.239	0.272	
17_1_3_126	MW-07	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.254	0.243	
17_1_4_101	MW-07	Appendix IV	Antimony	mg/L	18	17	94%	NA	NA	
17_1_4_102	MW-07	Appendix IV	Arsenic	mg/L	18	0	0%	0.103	0.634	
17_1_4_103	MW-07	Appendix IV	Barium	mg/L	18	0	0%	0.568	0.009	**
17_1_4_104	MW-07	Appendix IV	Beryllium	mg/L	18	13	72%	-0.126	0.709	
17_1_4_109	MW-07	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.037	0.864	
17_1_4_110	MW-07	Appendix IV	Cobalt	mg/L	18	0	0%	0.142	0.515	
17_1_4_113	MW-07	Appendix IV	Fluoride (App IV)	mg/L	18	4	22%	0.168	0.484	
17_1_4_116	MW-07	Appendix IV	Lithium	mg/L	18	0	0%	-0.298	0.170	
17_1_4_117	MW-07	Appendix IV	Mercury	ng/L	18	17	94%	NA	NA	
17_1_4_121	MW-07	Appendix IV	Radium 226 and 228	pCi/L	18	2	11%	-0.236	0.301	
17_1_4_122	MW-07	Appendix IV	Selenium	mg/L	18	9	50%	-0.452	0.112	
17_1_5_111	MW-07	Part 115	Copper	mg/L	18	14	78%	-0.160	0.652	
17_1_5_114	MW-07	Part 115	Iron	mg/L	18	0	0%	0.365	0.093	
17_1_5_119	MW-07	Part 115	Nickel	mg/L	18	14	78%	-0.193	0.585	
17_1_5_128	MW-07	Part 115	Vanadium	mg/L	18	12	67%	-0.190	0.557	
17_1_5_129	MW-07	Part 115	Zinc	mg/L	18	10	56%	-0.591	0.046	*
18_1_3_105	MW-08	Appendix III	Boron	mg/L	18	0	0%	0.154	0.479	
18_1_3_107	MW-08	Appendix III	Calcium	mg/L	18	0	0%	0.147	0.498	
18_1_3_108	MW-08	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.277	0.202	
18_1_3_112	MW-08	Appendix III	Fluoride	mg/L	18	0	0%	0.291	0.181	
18_1_3_120	MW-08	Appendix III	pH (field)	su	18	0	0%	0.046	0.832	
18_1_3_124	MW-08	Appendix III	Sulfate (as SO4)	mg/L	18	5	28%	0.441	0.075	
18_1_3_126	MW-08	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-0.079	0.715	
18_1_4_101	MW-08	Appendix IV	Antimony	mg/L	18	10	56%	-0.048	0.871	
18_1_4_102	MW-08	Appendix IV	Arsenic	mg/L	18	0	0%	0.371	0.087	
18_1_4_103	MW-08	Appendix IV	Barium	mg/L	18	0	0%	0.339	0.119	
18_1_4_104	MW-08	Appendix IV	Beryllium	mg/L	18	17	94%	NA	NA	
18_1_4_106	MW-08	Appendix IV	Cadmium	mg/L	18	17	94%	NA	NA	
18_1_4_109	MW-08	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.614	0.005	**
18_1_4_110	MW-08	Appendix IV	Cobalt	mg/L	18	0	0%	-0.222	0.308	
18_1_4_113	MW-08	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.291	0.181	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
18_1_4_115	MW-08	Appendix IV	Lead	mg/L	18	12	67%	-0.313	0.333	
18_1_4_116	MW-08	Appendix IV	Lithium	mg/L	18	0	0%	0.514	0.018	*
18_1_4_117	MW-08	Appendix IV	Mercury	ng/L	18	17	94%	NA	NA	
18_1_4_118	MW-08	Appendix IV	Molybdenum	mg/L	18	1	6%	-0.032	0.887	
18_1_4_121	MW-08	Appendix IV	Radium 226 and 228	pCi/L	18	5	28%	0.165	0.506	
18_1_4_122	MW-08	Appendix IV	Selenium	mg/L	18	6	33%	-0.097	0.705	
18_1_4_125	MW-08	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	
18_1_5_111	MW-08	Part 115	Copper	mg/L	18	6	33%	0.289	0.259	
18_1_5_114	MW-08	Part 115	Iron	mg/L	18	0	0%	0.532	0.014	*
18_1_5_119	MW-08	Part 115	Nickel	mg/L	18	0	0%	0.224	0.303	
18_1_5_128	MW-08	Part 115	Vanadium	mg/L	18	15	83%	-0.175	0.632	
18_1_5_129	MW-08	Part 115	Zinc	mg/L	18	3	17%	-0.327	0.163	
19_2_3_105	MW-09	Appendix III	Boron	mg/L	18	0	0%	-0.041	0.849	
19_2_3_107	MW-09	Appendix III	Calcium	mg/L	18	0	0%	0.482	0.026	*
19_2_3_108	MW-09	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.696	0.001	**
19_2_3_112	MW-09	Appendix III	Fluoride	mg/L	18	0	0%	0.157	0.470	
19_2_3_120	MW-09	Appendix III	pH (field)	su	18	0	0%	0.462	0.033	*
19_2_3_124	MW-09	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.489	0.024	*
19_2_3_126	MW-09	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.585	0.007	**
19_2_4_101	MW-09	Appendix IV	Antimony	mg/L	18	12	67%	-0.587	0.069	
19_2_4_102	MW-09	Appendix IV	Arsenic	mg/L	18	0	0%	-0.032	0.881	
19_2_4_103	MW-09	Appendix IV	Barium	mg/L	18	0	0%	0.191	0.379	
19_2_4_104	MW-09	Appendix IV	Beryllium	mg/L	18	13	72%	-0.160	0.635	
19_2_4_106	MW-09	Appendix IV	Cadmium	mg/L	18	17	94%	NA	NA	
19_2_4_109	MW-09	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.067	0.757	
19_2_4_110	MW-09	Appendix IV	Cobalt	mg/L	18	0	0%	0.054	0.804	
19_2_4_113	MW-09	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.157	0.470	
19_2_4_115	MW-09	Appendix IV	Lead	mg/L	18	17	94%	NA	NA	
19_2_4_116	MW-09	Appendix IV	Lithium	mg/L	18	0	0%	0.080	0.714	
19_2_4_117	MW-09	Appendix IV	Mercury	ng/L	18	14	78%	0.276	0.434	
19_2_4_118	MW-09	Appendix IV	Molybdenum	mg/L	18	0	0%	0.338	0.120	
19_2_4_121	MW-09	Appendix IV	Radium 226 and 228	pCi/L	18	16	89%	-0.500	0.157	
19_2_4_122	MW-09	Appendix IV	Selenium	mg/L	18	2	11%	0.015	0.947	
19_2_5_111	MW-09	Part 115	Copper	mg/L	18	11	61%	-0.126	0.683	
19_2_5_114	MW-09	Part 115	Iron	mg/L	18	0	0%	0.101	0.644	
19_2_5_119	MW-09	Part 115	Nickel	mg/L	18	0	0%	-0.053	0.807	
19_2_5_128	MW-09	Part 115	Vanadium	mg/L	18	15	83%	-0.537	0.141	
19_2_5_129	MW-09	Part 115	Zinc	mg/L	18	8	44%	-0.090	0.742	
20_3_3_105	MW-10	Appendix III	Boron	mg/L	18	0	0%	0.642	0.003	**
20_3_3_107	MW-10	Appendix III	Calcium	mg/L	18	0	0%	0.462	0.034	*
20_3_3_108	MW-10	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.577	0.008	**
20_3_3_112	MW-10	Appendix III	Fluoride	mg/L	18	0	0%	0.552	0.011	*

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
20_3_3_120	MW-10	Appendix III	pH (field)	su	18	0	0%	0.088	0.687	
20_3_3_124	MW-10	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.438	0.044	*
20_3_3_126	MW-10	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.365	0.093	
20_3_4_101	MW-10	Appendix IV	Antimony	mg/L	18	14	78%	-0.363	0.304	
20_3_4_102	MW-10	Appendix IV	Arsenic	mg/L	18	0	0%	0.380	0.080	
20_3_4_103	MW-10	Appendix IV	Barium	mg/L	18	0	0%	0.458	0.035	*
20_3_4_104	MW-10	Appendix IV	Beryllium	mg/L	18	8	44%	-0.236	0.388	
20_3_4_109	MW-10	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.532	0.014	*
20_3_4_110	MW-10	Appendix IV	Cobalt	mg/L	18	1	6%	0.099	0.655	
20_3_4_113	MW-10	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.552	0.011	*
20_3_4_115	MW-10	Appendix IV	Lead	mg/L	18	16	89%	-0.500	0.157	
20_3_4_116	MW-10	Appendix IV	Lithium	mg/L	18	0	0%	-0.110	0.614	
20_3_4_117	MW-10	Appendix IV	Mercury	ng/L	18	15	83%	-0.167	0.648	
20_3_4_118	MW-10	Appendix IV	Molybdenum	mg/L	18	0	0%	0.219	0.314	
20_3_4_121	MW-10	Appendix IV	Radium 226 and 228	pCi/L	18	14	78%	0.163	0.646	
20_3_4_122	MW-10	Appendix IV	Selenium	mg/L	18	1	6%	0.010	0.964	
20_3_5_111	MW-10	Part 115	Copper	mg/L	18	15	83%	-0.659	0.071	
20_3_5_114	MW-10	Part 115	Iron	mg/L	18	0	0%	0.417	0.055	
20_3_5_119	MW-10	Part 115	Nickel	mg/L	18	7	39%	-0.185	0.485	
20_3_5_128	MW-10	Part 115	Vanadium	mg/L	18	12	67%	-0.336	0.298	
20_3_5_129	MW-10	Part 115	Zinc	mg/L	18	7	39%	-0.121	0.648	
21_2_3_105	MW-11	Appendix III	Boron	mg/L	18	0	0%	0.456	0.036	*
21_2_3_107	MW-11	Appendix III	Calcium	mg/L	18	0	0%	0.272	0.210	
21_2_3_108	MW-11	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.107	0.622	
21_2_3_112	MW-11	Appendix III	Fluoride	mg/L	18	0	0%	0.272	0.211	
21_2_3_120	MW-11	Appendix III	pH (field)	su	18	0	0%	0.216	0.321	
21_2_3_124	MW-11	Appendix III	Sulfate (as SO4)	mg/L	18	7	39%	0.590	0.026	*
21_2_3_126	MW-11	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-0.108	0.619	
21_2_4_101	MW-11	Appendix IV	Antimony	mg/L	18	13	72%	-0.520	0.124	
21_2_4_102	MW-11	Appendix IV	Arsenic	mg/L	18	0	0%	0.406	0.062	
21_2_4_103	MW-11	Appendix IV	Barium	mg/L	18	0	0%	0.186	0.391	
21_2_4_104	MW-11	Appendix IV	Beryllium	mg/L	18	13	72%	-0.239	0.479	
21_2_4_106	MW-11	Appendix IV	Cadmium	mg/L	18	15	83%	-0.381	0.297	
21_2_4_109	MW-11	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.085	0.694	
21_2_4_110	MW-11	Appendix IV	Cobalt	mg/L	18	0	0%	-0.177	0.415	
21_2_4_113	MW-11	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.272	0.211	
21_2_4_115	MW-11	Appendix IV	Lead	mg/L	18	3	17%	-0.086	0.715	
21_2_4_116	MW-11	Appendix IV	Lithium	mg/L	18	0	0%	0.316	0.146	
21_2_4_117	MW-11	Appendix IV	Mercury	ng/L	18	13	72%	-0.051	0.881	
21_2_4_118	MW-11	Appendix IV	Molybdenum	mg/L	18	2	11%	0.282	0.217	
21_2_4_121	MW-11	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	-0.070	0.792	
21_2_4_122	MW-11	Appendix IV	Selenium	mg/L	18	3	17%	0.222	0.343	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
21_2_4_125	MW-11	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	
21_2_5_111	MW-11	Part 115	Copper	mg/L	18	4	22%	-0.161	0.503	
21_2_5_114	MW-11	Part 115	Iron	mg/L	18	0	0%	0.179	0.410	
21_2_5_119	MW-11	Part 115	Nickel	mg/L	18	0	0%	-0.039	0.857	
21_2_5_123	MW-11	Part 115	Silver	mg/L	18	15	83%	-0.595	0.103	
21_2_5_128	MW-11	Part 115	Vanadium	mg/L	18	13	72%	-0.396	0.241	
21_2_5_129	MW-11	Part 115	Zinc	mg/L	18	4	22%	0.080	0.739	
22_2_3_105	MW-12	Appendix III	Boron	mg/L	18	0	0%	0.132	0.544	
22_2_3_107	MW-12	Appendix III	Calcium	mg/L	18	0	0%	-0.029	0.894	
22_2_3_108	MW-12	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.071	0.743	
22_2_3_112	MW-12	Appendix III	Fluoride	mg/L	18	0	0%	0.094	0.666	
22_2_3_120	MW-12	Appendix III	pH (field)	su	18	0	0%	0.145	0.504	
22_2_3_124	MW-12	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.576	0.008	**
22_2_3_126	MW-12	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.057	0.793	
22_2_4_101	MW-12	Appendix IV	Antimony	mg/L	18	0	0%	0.087	0.690	
22_2_4_102	MW-12	Appendix IV	Arsenic	mg/L	18	0	0%	0.286	0.189	
22_2_4_103	MW-12	Appendix IV	Barium	mg/L	18	0	0%	0.452	0.038	*
22_2_4_104	MW-12	Appendix IV	Beryllium	mg/L	18	17	94%	NA	NA	
22_2_4_106	MW-12	Appendix IV	Cadmium	mg/L	18	0	0%	0.296	0.173	
22_2_4_109	MW-12	Appendix IV	Chromium, Total	mg/L	18	6	33%	-0.058	0.822	
22_2_4_110	MW-12	Appendix IV	Cobalt	mg/L	18	5	28%	0.149	0.549	
22_2_4_113	MW-12	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.094	0.666	
22_2_4_115	MW-12	Appendix IV	Lead	mg/L	18	6	33%	-0.118	0.643	
22_2_4_116	MW-12	Appendix IV	Lithium	mg/L	18	1	6%	0.151	0.498	
22_2_4_117	MW-12	Appendix IV	Mercury	ng/L	18	12	67%	0.330	0.306	
22_2_4_118	MW-12	Appendix IV	Molybdenum	mg/L	18	0	0%	0.067	0.759	
22_2_4_121	MW-12	Appendix IV	Radium 226 and 228	pCi/L	18	11	61%	0.080	0.795	
22_2_4_122	MW-12	Appendix IV	Selenium	mg/L	18	0	0%	0.024	0.911	
22_2_5_111	MW-12	Part 115	Copper	mg/L	18	0	0%	0.242	0.265	
22_2_5_114	MW-12	Part 115	Iron	mg/L	18	6	33%	0.298	0.244	
22_2_5_119	MW-12	Part 115	Nickel	mg/L	18	0	0%	0.364	0.094	
22_2_5_128	MW-12	Part 115	Vanadium	mg/L	18	6	33%	0.044	0.862	
22_2_5_129	MW-12	Part 115	Zinc	mg/L	18	0	0%	0.509	0.019	*
26_1_3_105	MW-16	Appendix III	Boron	mg/L	8	0	0%	-0.130	0.661	
26_1_3_107	MW-16	Appendix III	Calcium	mg/L	8	0	0%	-0.380	0.199	
26_1_3_108	MW-16	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.045	0.880	
26_1_3_112	MW-16	Appendix III	Fluoride	mg/L	8	1	12%	-0.768	0.013	*
26_1_3_120	MW-16	Appendix III	pH (field)	su	8	0	0%	-0.166	0.575	
26_1_3_124	MW-16	Appendix III	Sulfate (as SO4)	mg/L	8	2	25%	-0.168	0.603	
26_1_3_126	MW-16	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	-0.070	0.813	
26_1_4_101	MW-16	Appendix IV	Antimony	mg/L	8	7	88%	NA	NA	
26_1_4_102	MW-16	Appendix IV	Arsenic	mg/L	8	0	0%	-0.344	0.245	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
26_1_4_103	MW-16	Appendix IV	Barium	mg/L	8	0	0%	-0.042	0.888	
26_1_4_104	MW-16	Appendix IV	Beryllium	mg/L	8	7	88%	NA	NA	
26_1_4_109	MW-16	Appendix IV	Chromium, Total	mg/L	8	0	0%	-0.033	0.912	
26_1_4_110	MW-16	Appendix IV	Cobalt	mg/L	8	0	0%	0.199	0.501	
26_1_4_113	MW-16	Appendix IV	Fluoride (App IV)	mg/L	8	1	12%	-0.768	0.013	*
26_1_4_115	MW-16	Appendix IV	Lead	mg/L	8	5	62%	-0.009	0.981	
26_1_4_116	MW-16	Appendix IV	Lithium	mg/L	8	0	0%	-0.135	0.649	
26_1_4_117	MW-16	Appendix IV	Mercury	ng/L	8	6	75%	-0.500	0.157	
26_1_4_121	MW-16	Appendix IV	Radium 226 and 228	pCi/L	8	4	50%	-0.688	0.052	
26_1_4_122	MW-16	Appendix IV	Selenium	mg/L	8	1	12%	0.229	0.459	
26_1_5_111	MW-16	Part 115	Copper	mg/L	8	4	50%	-0.105	0.767	
26_1_5_114	MW-16	Part 115	Iron	mg/L	8	0	0%	-0.388	0.190	
26_1_5_119	MW-16	Part 115	Nickel	mg/L	8	1	12%	0.314	0.309	
26_1_5_128	MW-16	Part 115	Vanadium	mg/L	8	3	38%	-0.183	0.588	
26_1_5_129	MW-16	Part 115	Zinc	mg/L	8	2	25%	-0.508	0.116	
27_1_3_105	MW-17	Appendix III	Boron	mg/L	8	0	0%	-0.185	0.531	
27_1_3_107	MW-17	Appendix III	Calcium	mg/L	8	0	0%	-0.129	0.664	
27_1_3_108	MW-17	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.032	0.915	
27_1_3_112	MW-17	Appendix III	Fluoride	mg/L	8	0	0%	0.214	0.470	
27_1_3_120	MW-17	Appendix III	pH (field)	su	8	0	0%	-0.152	0.607	
27_1_3_124	MW-17	Appendix III	Sulfate (as SO4)	mg/L	8	1	12%	-0.424	0.169	
27_1_3_126	MW-17	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	-0.108	0.715	
27_1_4_101	MW-17	Appendix IV	Antimony	mg/L	8	6	75%	-0.500	0.157	
27_1_4_102	MW-17	Appendix IV	Arsenic	mg/L	8	0	0%	0.054	0.854	
27_1_4_103	MW-17	Appendix IV	Barium	mg/L	8	0	0%	-0.132	0.654	
27_1_4_104	MW-17	Appendix IV	Beryllium	mg/L	8	7	88%	NA	NA	
27_1_4_106	MW-17	Appendix IV	Cadmium	mg/L	8	7	88%	NA	NA	
27_1_4_109	MW-17	Appendix IV	Chromium, Total	mg/L	8	0	0%	-0.153	0.606	
27_1_4_110	MW-17	Appendix IV	Cobalt	mg/L	8	0	0%	-0.081	0.783	
27_1_4_113	MW-17	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	0.214	0.470	
27_1_4_115	MW-17	Appendix IV	Lead	mg/L	8	1	12%	-0.383	0.215	
27_1_4_116	MW-17	Appendix IV	Lithium	mg/L	8	0	0%	-0.133	0.652	
27_1_4_117	MW-17	Appendix IV	Mercury	ng/L	8	6	75%	-0.500	0.157	
27_1_4_118	MW-17	Appendix IV	Molybdenum	mg/L	8	0	0%	-0.082	0.782	
27_1_4_121	MW-17	Appendix IV	Radium 226 and 228	pCi/L	8	2	25%	-0.296	0.360	
27_1_4_122	MW-17	Appendix IV	Selenium	mg/L	8	0	0%	-0.017	0.954	
27_1_5_111	MW-17	Part 115	Copper	mg/L	8	1	12%	-0.158	0.608	
27_1_5_114	MW-17	Part 115	Iron	mg/L	8	0	0%	-0.120	0.685	
27_1_5_119	MW-17	Part 115	Nickel	mg/L	8	0	0%	-0.075	0.799	
27_1_5_128	MW-17	Part 115	Vanadium	mg/L	8	0	0%	0.270	0.361	
27_1_5_129	MW-17	Part 115	Zinc	mg/L	8	0	0%	-0.084	0.776	
28_1_3_105	MW-18	Appendix III	Boron	mg/L	18	0	0%	0.799	0.000	***

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
28_1_3_107	MW-18	Appendix III	Calcium	mg/L	18	0	0%	0.375	0.084	
28_1_3_108	MW-18	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.010	0.964	
28_1_3_112	MW-18	Appendix III	Fluoride	mg/L	18	0	0%	0.197	0.366	
28_1_3_120	MW-18	Appendix III	pH (field)	su	18	0	0%	0.296	0.173	
28_1_3_124	MW-18	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.193	0.374	
28_1_3_126	MW-18	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.478	0.028	*
28_1_4_101	MW-18	Appendix IV	Antimony	mg/L	18	3	17%	0.082	0.725	
28_1_4_102	MW-18	Appendix IV	Arsenic	mg/L	18	0	0%	0.234	0.281	
28_1_4_103	MW-18	Appendix IV	Barium	mg/L	18	0	0%	0.373	0.086	
28_1_4_104	MW-18	Appendix IV	Beryllium	mg/L	18	14	78%	-0.236	0.504	
28_1_4_106	MW-18	Appendix IV	Cadmium	mg/L	18	7	39%	0.296	0.262	
28_1_4_109	MW-18	Appendix IV	Chromium, Total	mg/L	18	16	89%	-0.500	0.157	
28_1_4_110	MW-18	Appendix IV	Cobalt	mg/L	18	0	0%	0.669	0.002	**
28_1_4_113	MW-18	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.197	0.366	
28_1_4_115	MW-18	Appendix IV	Lead	mg/L	18	11	61%	-0.189	0.540	
28_1_4_116	MW-18	Appendix IV	Lithium	mg/L	18	0	0%	0.270	0.214	
28_1_4_117	MW-18	Appendix IV	Mercury	ng/L	18	15	83%	-0.255	0.485	
28_1_4_118	MW-18	Appendix IV	Molybdenum	mg/L	18	0	0%	0.280	0.198	
28_1_4_121	MW-18	Appendix IV	Radium 226 and 228	pCi/L	18	10	56%	-0.016	0.956	
28_1_4_122	MW-18	Appendix IV	Selenium	mg/L	18	0	0%	0.186	0.393	
28_1_4_125	MW-18	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	
28_1_5_111	MW-18	Part 115	Copper	mg/L	18	0	0%	0.113	0.603	
28_1_5_114	MW-18	Part 115	Iron	mg/L	18	0	0%	0.495	0.023	*
28_1_5_119	MW-18	Part 115	Nickel	mg/L	18	0	0%	0.386	0.076	
28_1_5_128	MW-18	Part 115	Vanadium	mg/L	18	17	94%	NA	NA	
28_1_5_129	MW-18	Part 115	Zinc	mg/L	18	0	0%	0.237	0.275	
29_1_3_105	MW-19	Appendix III	Boron	mg/L	18	0	0%	0.204	0.348	
29_1_3_107	MW-19	Appendix III	Calcium	mg/L	18	0	0%	0.318	0.144	
29_1_3_108	MW-19	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.549	0.012	*
29_1_3_112	MW-19	Appendix III	Fluoride	mg/L	18	0	0%	0.237	0.274	
29_1_3_120	MW-19	Appendix III	pH (field)	su	18	0	0%	-0.100	0.645	
29_1_3_124	MW-19	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.038	0.861	
29_1_3_126	MW-19	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.636	0.003	**
29_1_4_101	MW-19	Appendix IV	Antimony	mg/L	18	12	67%	0.263	0.415	
29_1_4_102	MW-19	Appendix IV	Arsenic	mg/L	18	0	0%	0.431	0.047	*
29_1_4_103	MW-19	Appendix IV	Barium	mg/L	18	0	0%	0.306	0.159	
29_1_4_104	MW-19	Appendix IV	Beryllium	mg/L	18	3	17%	0.250	0.285	
29_1_4_106	MW-19	Appendix IV	Cadmium	mg/L	18	16	89%	-0.500	0.157	
29_1_4_109	MW-19	Appendix IV	Chromium, Total	mg/L	18	5	28%	0.335	0.177	
29_1_4_110	MW-19	Appendix IV	Cobalt	mg/L	18	1	6%	0.024	0.916	
29_1_4_113	MW-19	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.237	0.274	
29_1_4_116	MW-19	Appendix IV	Lithium	mg/L	18	0	0%	0.359	0.098	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
29_1_4_117	MW-19	Appendix IV	Mercury	ng/L	18	16	89%	-0.500	0.157	
29_1_4_118	MW-19	Appendix IV	Molybdenum	mg/L	18	0	0%	0.373	0.086	
29_1_4_121	MW-19	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	0.332	0.226	
29_1_4_122	MW-19	Appendix IV	Selenium	mg/L	18	11	61%	0.127	0.681	
29_1_4_125	MW-19	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	
29_1_5_111	MW-19	Part 115	Copper	mg/L	18	14	78%	-0.252	0.476	
29_1_5_114	MW-19	Part 115	Iron	mg/L	18	0	0%	0.548	0.012	*
29_1_5_119	MW-19	Part 115	Nickel	mg/L	18	1	6%	0.100	0.654	
29_1_5_128	MW-19	Part 115	Vanadium	mg/L	18	14	78%	-0.604	0.088	
29_1_5_129	MW-19	Part 115	Zinc	mg/L	18	10	56%	0.405	0.171	
30_1_3_105	MW-20	Appendix III	Boron	mg/L	18	0	0%	0.279	0.198	
30_1_3_107	MW-20	Appendix III	Calcium	mg/L	18	0	0%	0.213	0.327	
30_1_3_108	MW-20	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.630	0.004	**
30_1_3_112	MW-20	Appendix III	Fluoride	mg/L	18	0	0%	0.065	0.764	
30_1_3_120	MW-20	Appendix III	pH (field)	su	18	0	0%	0.017	0.938	
30_1_3_124	MW-20	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.528	0.015	*
30_1_3_126	MW-20	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.212	0.328	
30_1_4_101	MW-20	Appendix IV	Antimony	mg/L	18	7	39%	0.031	0.907	
30_1_4_102	MW-20	Appendix IV	Arsenic	mg/L	18	0	0%	0.079	0.716	
30_1_4_103	MW-20	Appendix IV	Barium	mg/L	18	0	0%	0.162	0.456	
30_1_4_104	MW-20	Appendix IV	Beryllium	mg/L	18	17	94%	NA	NA	
30_1_4_106	MW-20	Appendix IV	Cadmium	mg/L	18	17	94%	NA	NA	
30_1_4_109	MW-20	Appendix IV	Chromium, Total	mg/L	18	9	50%	-0.025	0.930	
30_1_4_110	MW-20	Appendix IV	Cobalt	mg/L	18	0	0%	0.423	0.051	
30_1_4_113	MW-20	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.065	0.764	
30_1_4_115	MW-20	Appendix IV	Lead	mg/L	18	0	0%	0.064	0.768	
30_1_4_116	MW-20	Appendix IV	Lithium	mg/L	18	0	0%	0.306	0.159	
30_1_4_117	MW-20	Appendix IV	Mercury	ng/L	18	14	78%	-0.416	0.240	
30_1_4_118	MW-20	Appendix IV	Molybdenum	mg/L	18	0	0%	0.197	0.364	
30_1_4_121	MW-20	Appendix IV	Radium 226 and 228	pCi/L	17	8	47%	0.121	0.671	
30_1_4_122	MW-20	Appendix IV	Selenium	mg/L	18	10	56%	-0.281	0.342	
30_1_4_125	MW-20	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	
30_1_5_111	MW-20	Part 115	Copper	mg/L	18	2	11%	-0.033	0.886	
30_1_5_114	MW-20	Part 115	Iron	mg/L	18	0	0%	0.210	0.334	
30_1_5_119	MW-20	Part 115	Nickel	mg/L	18	0	0%	0.061	0.778	
30_1_5_129	MW-20	Part 115	Zinc	mg/L	18	0	0%	0.167	0.442	
38_1_3_105	MW-28	Appendix III	Boron	mg/L	8	0	0%	-0.226	0.446	
38_1_3_107	MW-28	Appendix III	Calcium	mg/L	8	0	0%	-0.125	0.673	
38_1_3_108	MW-28	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.343	0.246	
38_1_3_112	MW-28	Appendix III	Fluoride	mg/L	8	0	0%	-0.324	0.274	
38_1_3_120	MW-28	Appendix III	pH (field)	su	8	0	0%	-0.169	0.567	
38_1_3_124	MW-28	Appendix III	Sulfate (as SO4)	mg/L	8	2	25%	-0.126	0.696	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
38_1_3_126	MW-28	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	0.282	0.340	
38_1_4_101	MW-28	Appendix IV	Antimony	mg/L	8	0	0%	-0.102	0.730	
38_1_4_102	MW-28	Appendix IV	Arsenic	mg/L	8	0	0%	-0.192	0.517	
38_1_4_103	MW-28	Appendix IV	Barium	mg/L	8	0	0%	-0.183	0.536	
38_1_4_106	MW-28	Appendix IV	Cadmium	mg/L	8	5	62%	-0.168	0.645	
38_1_4_109	MW-28	Appendix IV	Chromium, Total	mg/L	8	0	0%	0.153	0.606	
38_1_4_110	MW-28	Appendix IV	Cobalt	mg/L	8	0	0%	0.068	0.819	
38_1_4_113	MW-28	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	-0.324	0.274	
38_1_4_115	MW-28	Appendix IV	Lead	mg/L	8	0	0%	-0.407	0.168	
38_1_4_116	MW-28	Appendix IV	Lithium	mg/L	8	0	0%	-0.260	0.380	
38_1_4_117	MW-28	Appendix IV	Mercury	ng/L	8	3	38%	-0.052	0.878	
38_1_4_118	MW-28	Appendix IV	Molybdenum	mg/L	8	0	0%	0.252	0.395	
38_1_4_122	MW-28	Appendix IV	Selenium	mg/L	8	0	0%	0.000	1.000	
38_1_5_111	MW-28	Part 115	Copper	mg/L	8	1	12%	-0.071	0.817	
38_1_5_114	MW-28	Part 115	Iron	mg/L	8	0	0%	-0.077	0.794	
38_1_5_119	MW-28	Part 115	Nickel	mg/L	8	0	0%	0.087	0.768	
38_1_5_128	MW-28	Part 115	Vanadium	mg/L	8	2	25%	0.209	0.517	
38_1_5_129	MW-28	Part 115	Zinc	mg/L	8	0	0%	-0.120	0.684	
40_1_3_105	MW-30	Appendix III	Boron	mg/L	18	0	0%	-0.052	0.810	
40_1_3_107	MW-30	Appendix III	Calcium	mg/L	18	0	0%	-0.054	0.803	
40_1_3_108	MW-30	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.841	0.000	***
40_1_3_112	MW-30	Appendix III	Fluoride	mg/L	18	0	0%	-0.241	0.268	
40_1_3_120	MW-30	Appendix III	pH (field)	su	18	0	0%	0.026	0.904	
40_1_3_124	MW-30	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	-0.009	0.967	
40_1_3_126	MW-30	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.677	0.002	**
40_1_4_101	MW-30	Appendix IV	Antimony	mg/L	18	14	78%	-0.289	0.414	
40_1_4_102	MW-30	Appendix IV	Arsenic	mg/L	18	2	11%	0.202	0.376	
40_1_4_103	MW-30	Appendix IV	Barium	mg/L	18	0	0%	0.310	0.153	
40_1_4_104	MW-30	Appendix IV	Beryllium	mg/L	18	14	78%	-0.586	0.097	
40_1_4_106	MW-30	Appendix IV	Cadmium	mg/L	18	17	94%	NA	NA	
40_1_4_109	MW-30	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.093	0.670	
40_1_4_110	MW-30	Appendix IV	Cobalt	mg/L	18	0	0%	-0.072	0.741	
40_1_4_113	MW-30	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.241	0.268	
40_1_4_115	MW-30	Appendix IV	Lead	mg/L	18	16	89%	-0.500	0.157	
40_1_4_116	MW-30	Appendix IV	Lithium	mg/L	18	0	0%	-0.112	0.606	
40_1_4_117	MW-30	Appendix IV	Mercury	ng/L	18	16	89%	-0.500	0.157	
40_1_4_118	MW-30	Appendix IV	Molybdenum	mg/L	18	3	17%	-0.125	0.595	
40_1_4_121	MW-30	Appendix IV	Radium 226 and 228	pCi/L	18	10	56%	-0.415	0.161	
40_1_4_122	MW-30	Appendix IV	Selenium	mg/L	18	7	39%	-0.132	0.618	
40_1_5_111	MW-30	Part 115	Copper	mg/L	18	12	67%	-0.045	0.890	
40_1_5_114	MW-30	Part 115	Iron	mg/L	18	0	0%	-0.027	0.901	
40_1_5_119	MW-30	Part 115	Nickel	mg/L	18	3	17%	-0.068	0.771	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
40_1_5_123	MW-30	Part 115	Silver	mg/L	18	17	94%	NA	NA	
40_1_5_128	MW-30	Part 115	Vanadium	mg/L	18	15	83%	-0.667	0.068	
40_1_5_129	MW-30	Part 115	Zinc	mg/L	18	10	56%	-0.183	0.537	
41_1_3_105	MW-31	Appendix III	Boron	mg/L	18	0	0%	0.568	0.009	**
41_1_3_107	MW-31	Appendix III	Calcium	mg/L	18	0	0%	-0.148	0.497	
41_1_3_108	MW-31	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.500	0.021	*
41_1_3_112	MW-31	Appendix III	Fluoride	mg/L	18	0	0%	0.580	0.008	**
41_1_3_120	MW-31	Appendix III	pH (field)	su	18	0	0%	-0.364	0.094	
41_1_3_124	MW-31	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	-0.080	0.714	
41_1_3_126	MW-31	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-0.052	0.810	
41_1_4_101	MW-31	Appendix IV	Antimony	mg/L	18	7	39%	0.397	0.133	
41_1_4_102	MW-31	Appendix IV	Arsenic	mg/L	18	0	0%	0.035	0.871	
41_1_4_103	MW-31	Appendix IV	Barium	mg/L	18	0	0%	0.194	0.372	
41_1_4_104	MW-31	Appendix IV	Beryllium	mg/L	18	15	83%	-0.248	0.497	
41_1_4_106	MW-31	Appendix IV	Cadmium	mg/L	18	17	94%	NA	NA	
41_1_4_109	MW-31	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.057	0.794	
41_1_4_110	MW-31	Appendix IV	Cobalt	mg/L	18	3	17%	-0.015	0.949	
41_1_4_113	MW-31	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.580	0.008	**
41_1_4_115	MW-31	Appendix IV	Lead	mg/L	18	13	72%	0.304	0.369	
41_1_4_116	MW-31	Appendix IV	Lithium	mg/L	18	0	0%	0.241	0.267	
41_1_4_117	MW-31	Appendix IV	Mercury	ng/L	18	14	78%	-0.160	0.652	
41_1_4_118	MW-31	Appendix IV	Molybdenum	mg/L	18	0	0%	0.126	0.561	
41_1_4_121	MW-31	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	-0.378	0.168	
41_1_4_122	MW-31	Appendix IV	Selenium	mg/L	18	6	33%	-0.007	0.977	
41_1_4_125	MW-31	Appendix IV	Thallium	mg/L	18	17	94%	NA	NA	
41_1_5_111	MW-31	Part 115	Copper	mg/L	18	10	56%	0.371	0.209	
41_1_5_114	MW-31	Part 115	Iron	mg/L	18	0	0%	0.094	0.667	
41_1_5_119	MW-31	Part 115	Nickel	mg/L	18	10	56%	0.011	0.969	
41_1_5_128	MW-31	Part 115	Vanadium	mg/L	18	12	67%	0.058	0.857	
41_1_5_129	MW-31	Part 115	Zinc	mg/L	18	9	50%	-0.153	0.590	
42_1_3_105	MW-32	Appendix III	Boron	mg/L	18	0	0%	0.222	0.307	
42_1_3_107	MW-32	Appendix III	Calcium	mg/L	18	0	0%	0.339	0.118	
42_1_3_108	MW-32	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.489	0.024	*
42_1_3_112	MW-32	Appendix III	Fluoride	mg/L	18	0	0%	0.045	0.835	
42_1_3_120	MW-32	Appendix III	pH (field)	su	18	0	0%	0.101	0.641	
42_1_3_124	MW-32	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	0.155	0.475	
42_1_3_126	MW-32	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.304	0.161	
42_1_4_101	MW-32	Appendix IV	Antimony	mg/L	18	14	78%	0.004	0.991	
42_1_4_102	MW-32	Appendix IV	Arsenic	mg/L	18	0	0%	-0.047	0.830	
42_1_4_103	MW-32	Appendix IV	Barium	mg/L	18	0	0%	0.335	0.123	
42_1_4_104	MW-32	Appendix IV	Beryllium	mg/L	18	17	94%	NA	NA	
42_1_4_106	MW-32	Appendix IV	Cadmium	mg/L	18	16	89%	-0.500	0.157	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
42_1_4_109	MW-32	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.099	0.650	
42_1_4_110	MW-32	Appendix IV	Cobalt	mg/L	18	0	0%	-0.201	0.355	
42_1_4_113	MW-32	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.045	0.835	
42_1_4_115	MW-32	Appendix IV	Lead	mg/L	18	13	72%	0.425	0.209	
42_1_4_116	MW-32	Appendix IV	Lithium	mg/L	18	0	0%	0.113	0.602	
42_1_4_117	MW-32	Appendix IV	Mercury	ng/L	18	14	78%	-0.083	0.814	
42_1_4_118	MW-32	Appendix IV	Molybdenum	mg/L	18	0	0%	0.425	0.050	
42_1_4_121	MW-32	Appendix IV	Radium 226 and 228	pCi/L	18	9	50%	-0.055	0.846	
42_1_4_122	MW-32	Appendix IV	Selenium	mg/L	18	14	78%	-0.082	0.816	
42_1_5_111	MW-32	Part 115	Copper	mg/L	18	11	61%	-0.183	0.554	
42_1_5_114	MW-32	Part 115	Iron	mg/L	18	0	0%	0.505	0.020	*
42_1_5_119	MW-32	Part 115	Nickel	mg/L	18	0	0%	-0.087	0.689	
42_1_5_129	MW-32	Part 115	Zinc	mg/L	18	0	0%	0.223	0.304	
46_1_3_105	MW-36	Appendix III	Boron	mg/L	8	0	0%	-0.248	0.402	
46_1_3_107	MW-36	Appendix III	Calcium	mg/L	8	0	0%	0.442	0.135	
46_1_3_108	MW-36	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.537	0.070	
46_1_3_112	MW-36	Appendix III	Fluoride	mg/L	8	0	0%	-0.317	0.284	
46_1_3_120	MW-36	Appendix III	pH (field)	su	8	0	0%	0.083	0.778	
46_1_3_124	MW-36	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	-0.374	0.206	
46_1_3_126	MW-36	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	-0.038	0.898	
46_1_4_101	MW-36	Appendix IV	Antimony	mg/L	8	0	0%	-0.530	0.073	
46_1_4_102	MW-36	Appendix IV	Arsenic	mg/L	8	0	0%	0.513	0.083	
46_1_4_103	MW-36	Appendix IV	Barium	mg/L	8	0	0%	0.084	0.775	
46_1_4_104	MW-36	Appendix IV	Beryllium	mg/L	8	7	88%	NA	NA	
46_1_4_106	MW-36	Appendix IV	Cadmium	mg/L	8	0	0%	-0.073	0.805	
46_1_4_109	MW-36	Appendix IV	Chromium, Total	mg/L	8	0	0%	0.030	0.919	
46_1_4_110	MW-36	Appendix IV	Cobalt	mg/L	8	0	0%	0.049	0.868	
46_1_4_113	MW-36	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	-0.317	0.284	
46_1_4_115	MW-36	Appendix IV	Lead	mg/L	8	0	0%	-0.082	0.783	
46_1_4_116	MW-36	Appendix IV	Lithium	mg/L	8	0	0%	-0.077	0.794	
46_1_4_117	MW-36	Appendix IV	Mercury	ng/L	8	4	50%	-0.743	0.036	*
46_1_4_118	MW-36	Appendix IV	Molybdenum	mg/L	8	0	0%	-0.001	0.996	
46_1_4_122	MW-36	Appendix IV	Selenium	mg/L	8	0	0%	0.347	0.240	
46_1_5_111	MW-36	Part 115	Copper	mg/L	8	0	0%	0.246	0.406	
46_1_5_114	MW-36	Part 115	Iron	mg/L	8	0	0%	0.267	0.367	
46_1_5_119	MW-36	Part 115	Nickel	mg/L	8	0	0%	0.419	0.157	
46_1_5_123	MW-36	Part 115	Silver	mg/L	8	0	0%	0.018	0.952	
46_1_5_128	MW-36	Part 115	Vanadium	mg/L	8	0	0%	-0.562	0.057	
46_1_5_129	MW-36	Part 115	Zinc	mg/L	8	0	0%	-0.031	0.915	
47_1_3_105	MW-37	Appendix III	Boron	mg/L	8	0	0%	-0.172	0.561	
47_1_3_107	MW-37	Appendix III	Calcium	mg/L	8	0	0%	-0.204	0.490	
47_1_3_108	MW-37	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.259	0.382	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
47_1_3_112	MW-37	Appendix III	Fluoride	mg/L	8	0	0%	-0.083	0.779	
47_1_3_120	MW-37	Appendix III	pH (field)	su	8	0	0%	-0.179	0.546	
47_1_3_124	MW-37	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	-0.496	0.093	
47_1_3_126	MW-37	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	-0.365	0.218	
47_1_4_101	MW-37	Appendix IV	Antimony	mg/L	8	1	12%	0.403	0.191	
47_1_4_102	MW-37	Appendix IV	Arsenic	mg/L	8	0	0%	0.201	0.496	
47_1_4_103	MW-37	Appendix IV	Barium	mg/L	8	0	0%	0.467	0.115	
47_1_4_104	MW-37	Appendix IV	Beryllium	mg/L	8	7	88%	NA	NA	
47_1_4_106	MW-37	Appendix IV	Cadmium	mg/L	8	5	62%	-0.500	0.171	
47_1_4_109	MW-37	Appendix IV	Chromium, Total	mg/L	8	0	0%	-0.327	0.269	
47_1_4_110	MW-37	Appendix IV	Cobalt	mg/L	8	0	0%	-0.186	0.529	
47_1_4_113	MW-37	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	-0.083	0.779	
47_1_4_115	MW-37	Appendix IV	Lead	mg/L	8	2	25%	-0.236	0.465	
47_1_4_116	MW-37	Appendix IV	Lithium	mg/L	8	0	0%	0.404	0.172	
47_1_4_117	MW-37	Appendix IV	Mercury	ng/L	8	4	50%	-0.455	0.198	
47_1_4_118	MW-37	Appendix IV	Molybdenum	mg/L	8	0	0%	-0.044	0.883	
47_1_4_121	MW-37	Appendix IV	Radium 226 and 228	pCi/L	8	5	62%	-0.637	0.081	
47_1_4_122	MW-37	Appendix IV	Selenium	mg/L	8	0	0%	0.465	0.116	
47_1_5_111	MW-37	Part 115	Copper	mg/L	8	0	0%	-0.278	0.347	
47_1_5_114	MW-37	Part 115	Iron	mg/L	8	1	12%	0.238	0.441	
47_1_5_119	MW-37	Part 115	Nickel	mg/L	8	0	0%	0.302	0.306	
47_1_5_123	MW-37	Part 115	Silver	mg/L	8	7	88%	NA	NA	
47_1_5_128	MW-37	Part 115	Vanadium	mg/L	8	4	50%	-0.707	0.046	*
47_1_5_129	MW-37	Part 115	Zinc	mg/L	8	0	0%	0.185	0.532	
48_2_3_105	MW-38	Appendix III	Boron	mg/L	8	0	0%	0.037	0.901	
48_2_3_107	MW-38	Appendix III	Calcium	mg/L	8	0	0%	-0.182	0.539	
48_2_3_108	MW-38	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.392	0.185	
48_2_3_112	MW-38	Appendix III	Fluoride	mg/L	8	0	0%	-0.105	0.723	
48_2_3_120	MW-38	Appendix III	pH (field)	su	8	0	0%	-0.222	0.454	
48_2_3_124	MW-38	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	-0.059	0.842	
48_2_3_126	MW-38	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	0.220	0.458	
48_2_4_101	MW-38	Appendix IV	Antimony	mg/L	8	1	12%	0.049	0.874	
48_2_4_102	MW-38	Appendix IV	Arsenic	mg/L	8	0	0%	0.162	0.583	
48_2_4_103	MW-38	Appendix IV	Barium	mg/L	8	0	0%	0.165	0.576	
48_2_4_104	MW-38	Appendix IV	Beryllium	mg/L	8	5	62%	-0.591	0.106	
48_2_4_106	MW-38	Appendix IV	Cadmium	mg/L	8	3	38%	-0.676	0.045	*
48_2_4_109	MW-38	Appendix IV	Chromium, Total	mg/L	8	0	0%	-0.463	0.117	
48_2_4_110	MW-38	Appendix IV	Cobalt	mg/L	8	0	0%	0.058	0.845	
48_2_4_113	MW-38	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	-0.105	0.723	
48_2_4_115	MW-38	Appendix IV	Lead	mg/L	8	1	12%	-0.180	0.559	
48_2_4_116	MW-38	Appendix IV	Lithium	mg/L	8	0	0%	-0.251	0.395	
48_2_4_117	MW-38	Appendix IV	Mercury	ng/L	8	4	50%	0.173	0.624	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 4: Autocorrelation Tests, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Autocorrelation	Box-Ljung p-value	Sig.
48_2_4_118	MW-38	Appendix IV	Molybdenum	mg/L	8	0	0%	0.172	0.560	
48_2_4_122	MW-38	Appendix IV	Selenium	mg/L	8	0	0%	0.097	0.743	
48_2_5_111	MW-38	Part 115	Copper	mg/L	8	1	12%	-0.243	0.431	
48_2_5_114	MW-38	Part 115	Iron	mg/L	8	0	0%	-0.428	0.148	
48_2_5_119	MW-38	Part 115	Nickel	mg/L	8	0	0%	0.410	0.166	
48_2_5_123	MW-38	Part 115	Silver	mg/L	8	5	62%	-0.601	0.100	
48_2_5_128	MW-38	Part 115	Vanadium	mg/L	8	1	12%	-0.001	0.998	
48_2_5_129	MW-38	Part 115	Zinc	mg/L	8	1	12%	-0.074	0.811	

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 5: Outlier Counts by Date

Date	Count
2022-11-30	2
2023-01-03	6
2023-01-04	8
2023-01-05	1
2023-02-06	1
2023-02-08	1
2023-03-13	2
2023-03-14	1
2023-04-18	4
2023-05-23	2
2023-06-27	1
2023-06-28	2
2023-08-07	1
2023-10-24	3
2024-02-12	6
2024-02-13	10
2024-04-07	6
2024-07-17	1
2024-07-18	1
2024-10-16	3
2025-02-25	3
2025-04-20	1
2025-04-21	1
2025-08-12	1
2025-08-13	1
2025-10-21	10
2025-10-22	13
2025-10-23	2
2026-02-16	8
2026-02-17	6
2026-02-18	12
2026-02-19	6

Table 6: Outliers Identified at the 1% Significance Level, Non-Detects Excluded

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	No. Detects	Date	Dilution	Value
11_2_3_120	MW-01R	Appendix III	pH (field)	su	18	0	0%	18	2023-01-03	NA	6.02
11_2_4_102	MW-01R	Appendix IV	Arsenic	mg/L	18	0	0%	18	2024-02-13	1	0.00410
11_2_4_109	MW-01R	Appendix IV	Chromium, Total	mg/L	18	0	0%	18	2024-02-13	1	0.0220
11_2_4_110	MW-01R	Appendix IV	Cobalt	mg/L	18	0	0%	18	2026-02-19	1	0.0230
11_2_4_115	MW-01R	Appendix IV	Lead	mg/L	18	2	11%	16	2023-06-28	5	0.00530

(Table continues on next page)

Table 6: Outliers Identified at the 1% Significance Level, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	No. Detects	Date	Dilution	Value
11_2_4_118	MW-01R	Appendix IV	Molybdenum	mg/L	18	2	11%	16	2024-02-13	1	0.00560
11_2_4_122	MW-01R	Appendix IV	Selenium	mg/L	18	0	0%	18	2024-02-13	1	0.00180
11_2_5_119	MW-01R	Part 115	Nickel	mg/L	18	0	0%	18	2024-02-13	1	0.0220
12_2_3_108	MW-02	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	18	2023-02-08	50	67.0
12_2_4_101	MW-02	Appendix IV	Antimony	mg/L	18	3	17%	15	2023-04-18	5	0.000630
12_2_4_102	MW-02	Appendix IV	Arsenic	mg/L	18	0	0%	18	2024-02-13	1	0.000440
12_2_4_106	MW-02	Appendix IV	Cadmium	mg/L	18	12	67%	6	2023-10-24	1	0.000490
12_2_4_118	MW-02	Appendix IV	Molybdenum	mg/L	18	0	0%	18	2026-02-17	1	0.0290
13_2_3_112	MW-03	Appendix III	Fluoride	mg/L	18	0	0%	18	2023-01-04	5	1.60
13_2_4_101	MW-03	Appendix IV	Antimony	mg/L	18	12	67%	6	2023-04-18	5	0.000450
13_2_4_113	MW-03	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	18	2023-01-04	5	1.60
13_2_4_116	MW-03	Appendix IV	Lithium	mg/L	18	0	0%	18	2023-01-04	1	0.0650
13_2_4_117	MW-03	Appendix IV	Mercury	ng/L	18	14	78%	4	2023-10-24	1	240
13_2_5_114	MW-03	Part 115	Iron	mg/L	18	0	0%	18	2023-01-04	1	5.90
13_2_5_119	MW-03	Part 115	Nickel	mg/L	18	1	6%	17	2023-01-04	1	0.0150
14_2_3_105	MW-04	Appendix III	Boron	mg/L	18	0	0%	18	2026-02-19	1	0.680
14_2_3_107	MW-04	Appendix III	Calcium	mg/L	18	0	0%	18	2025-10-22	50	560
14_2_3_120	MW-04	Appendix III	pH (field)	su	18	0	0%	18	2025-10-22	NA	6.78
14_2_3_126	MW-04	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	18	2026-02-19	3	1100
14_2_4_102	MW-04	Appendix IV	Arsenic	mg/L	18	0	0%	18	2026-02-19	1	0.00590
14_2_4_103	MW-04	Appendix IV	Barium	mg/L	18	0	0%	18	2023-01-04	1	0.460
14_2_4_110	MW-04	Appendix IV	Cobalt	mg/L	18	0	0%	18	2025-10-22	1	0.00250
14_2_4_122	MW-04	Appendix IV	Selenium	mg/L	18	5	28%	13	2025-04-21	1	0.00120
16_1_3_120	MW-06	Appendix III	pH (field)	su	18	0	0%	18	2023-02-06	NA	6.42
16_1_4_122	MW-06	Appendix IV	Selenium	mg/L	18	5	28%	13	2024-02-13	1	0.000470
17_1_3_126	MW-07	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	18	2023-01-04	4	470
17_1_4_104	MW-07	Appendix IV	Beryllium	mg/L	18	13	72%	5	2026-02-19	1	0.000120
17_1_4_109	MW-07	Appendix IV	Chromium, Total	mg/L	18	0	0%	18	2024-07-17	1	0.000740
17_1_4_116	MW-07	Appendix IV	Lithium	mg/L	18	0	0%	18	2023-06-27	1	0.0100
17_1_4_121	MW-07	Appendix IV	Radium 226 and 228	pCi/L	18	2	11%	16	2023-08-07	1	2.36
18_1_3_120	MW-08	Appendix III	pH (field)	su	18	0	0%	18	2023-01-05	NA	6.21
18_1_4_102	MW-08	Appendix IV	Arsenic	mg/L	18	0	0%	18	2026-02-18	1	0.0910
18_1_4_115	MW-08	Appendix IV	Lead	mg/L	18	12	67%	6	2024-10-16	1	0.00290
18_1_4_122	MW-08	Appendix IV	Selenium	mg/L	18	6	33%	12	2024-02-13	1	0.000340
18_1_5_119	MW-08	Part 115	Nickel	mg/L	18	0	0%	18	2024-10-16	1	0.0130
19_2_4_103	MW-09	Appendix IV	Barium	mg/L	18	0	0%	18	2023-01-04	5	2.40
19_2_4_122	MW-09	Appendix IV	Selenium	mg/L	18	2	11%	16	2026-02-17	1	0.00350
19_2_5_111	MW-09	Part 115	Copper	mg/L	18	11	61%	7	2026-02-17	1	0.00380
19_2_5_119	MW-09	Part 115	Nickel	mg/L	18	0	0%	18	2025-02-25	1	0.100
19_2_5_129	MW-09	Part 115	Zinc	mg/L	18	8	44%	10	2026-02-17	1	0.120
20_3_3_120	MW-10	Appendix III	pH (field)	su	18	0	0%	18	2023-05-23	NA	8.81
20_3_4_101	MW-10	Appendix IV	Antimony	mg/L	18	14	78%	4	2023-04-18	5	0.000340
20_3_4_110	MW-10	Appendix IV	Cobalt	mg/L	18	1	6%	17	2023-05-23	1	0.00180

(Table continues on next page)

Table 6: Outliers Identified at the 1% Significance Level, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	No. Detects	Date	Dilution	Value
20_3_4_116	MW-10	Appendix IV	Lithium	mg/L	18	0	0%	18	2023-03-14	50	1.60
20_3_4_117	MW-10	Appendix IV	Mercury	ng/L	18	15	83%	3	2024-04-07	1	1900
20_3_4_122	MW-10	Appendix IV	Selenium	mg/L	18	1	6%	17	2024-02-13	1	0.000830
20_3_5_129	MW-10	Part 115	Zinc	mg/L	18	7	39%	11	2026-02-17	1	0.0480
21_2_3_126	MW-11	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	18	2023-10-24	4	1800
21_2_4_104	MW-11	Appendix IV	Beryllium	mg/L	18	13	72%	5	2024-04-07	1	0.000440
21_2_4_109	MW-11	Appendix IV	Chromium, Total	mg/L	18	0	0%	18	2023-01-03	1	0.00860
21_2_4_110	MW-11	Appendix IV	Cobalt	mg/L	18	0	0%	18	2025-10-23	1	0.00260
21_2_4_115	MW-11	Appendix IV	Lead	mg/L	18	3	17%	15	2023-01-03	1	0.0680
21_2_4_117	MW-11	Appendix IV	Mercury	ng/L	18	13	72%	5	2024-04-07	1	1100
21_2_4_122	MW-11	Appendix IV	Selenium	mg/L	18	3	17%	15	2024-02-13	1	0.000710
21_2_5_111	MW-11	Part 115	Copper	mg/L	18	4	22%	14	2023-01-03	1	0.0190
21_2_5_114	MW-11	Part 115	Iron	mg/L	18	0	0%	18	2026-02-17	1	18.0
21_2_5_119	MW-11	Part 115	Nickel	mg/L	18	0	0%	18	2025-10-23	1	0.0150
21_2_5_128	MW-11	Part 115	Vanadium	mg/L	18	13	72%	5	2024-04-07	1	0.00300
22_2_4_102	MW-12	Appendix IV	Arsenic	mg/L	18	0	0%	18	2025-10-22	1	0.00640
22_2_4_106	MW-12	Appendix IV	Cadmium	mg/L	18	0	0%	18	2025-08-13	1	0.0110
22_2_4_110	MW-12	Appendix IV	Cobalt	mg/L	18	5	28%	13	2025-10-22	1	0.00280
22_2_4_118	MW-12	Appendix IV	Molybdenum	mg/L	18	0	0%	18	2024-10-16	1	0.0180
22_2_5_114	MW-12	Part 115	Iron	mg/L	18	6	33%	12	2025-10-22	1	0.920
22_2_5_119	MW-12	Part 115	Nickel	mg/L	18	0	0%	18	2025-10-22	1	0.00730
27_1_3_126	MW-17	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	8	2026-02-18	3	360
27_1_4_109	MW-17	Appendix IV	Chromium, Total	mg/L	8	0	0%	8	2026-02-18	1	0.00240
27_1_4_118	MW-17	Appendix IV	Molybdenum	mg/L	8	0	0%	8	2026-02-18	1	0.0130
27_1_4_122	MW-17	Appendix IV	Selenium	mg/L	8	0	0%	8	2026-02-18	1	0.00150
27_1_5_111	MW-17	Part 115	Copper	mg/L	8	1	12%	7	2026-02-18	1	0.00630
27_1_5_119	MW-17	Part 115	Nickel	mg/L	8	0	0%	8	2026-02-18	1	0.00860
28_1_4_101	MW-18	Appendix IV	Antimony	mg/L	18	3	17%	15	2025-10-22	1	0.00100
28_1_4_121	MW-18	Appendix IV	Radium 226 and 228	pCi/L	18	10	56%	8	2023-04-18	NA	1.27
28_1_5_129	MW-18	Part 115	Zinc	mg/L	18	0	0%	18	2025-10-22	1	0.210
29_1_4_109	MW-19	Appendix IV	Chromium, Total	mg/L	18	5	28%	13	2023-01-03	1	0.000530
29_1_4_122	MW-19	Appendix IV	Selenium	mg/L	18	11	61%	7	2026-02-18	1	0.00360
29_1_5_119	MW-19	Part 115	Nickel	mg/L	18	1	6%	17	2024-07-18	1	0.0170
30_1_3_107	MW-20	Appendix III	Calcium	mg/L	18	0	0%	18	2023-06-28	1	58.0
30_1_3_112	MW-20	Appendix III	Fluoride	mg/L	18	0	0%	18	2022-11-30	25	0.550
30_1_4_101	MW-20	Appendix IV	Antimony	mg/L	18	7	39%	11	2025-10-22	1	0.000650
30_1_4_109	MW-20	Appendix IV	Chromium, Total	mg/L	18	9	50%	9	2026-02-19	1	0.00190
30_1_4_113	MW-20	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	18	2022-11-30	25	0.550
30_1_4_115	MW-20	Appendix IV	Lead	mg/L	18	0	0%	18	2025-10-22	1	0.00780
30_1_5_111	MW-20	Part 115	Copper	mg/L	18	2	11%	16	2025-10-22	1	0.00330
30_1_5_119	MW-20	Part 115	Nickel	mg/L	18	0	0%	18	2025-10-22	1	0.0340
38_1_4_101	MW-28	Appendix IV	Antimony	mg/L	8	0	0%	8	2026-02-18	1	0.00210
38_1_4_106	MW-28	Appendix IV	Cadmium	mg/L	8	5	62%	3	2026-02-18	1	0.00370

(Table continues on next page)

Table 6: Outliers Identified at the 1% Significance Level, Non-Detects Excluded *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	No. Detects	Date	Dilution	Value
38_1_4_117	MW-28	Appendix IV	Mercury	ng/L	8	3	38%	5	2024-04-07	1	240
38_1_4_122	MW-28	Appendix IV	Selenium	mg/L	8	0	0%	8	2026-02-18	1	0.00170
38_1_5_111	MW-28	Part 115	Copper	mg/L	8	1	12%	7	2026-02-18	1	0.00980
40_1_3_105	MW-30	Appendix III	Boron	mg/L	18	0	0%	18	2023-03-13	50	3.50
40_1_3_120	MW-30	Appendix III	pH (field)	su	18	0	0%	18	2023-01-03	NA	6.48
40_1_4_102	MW-30	Appendix IV	Arsenic	mg/L	18	2	11%	16	2025-10-21	1	0.00800
40_1_4_109	MW-30	Appendix IV	Chromium, Total	mg/L	18	0	0%	18	2025-10-21	1	0.0230
40_1_4_110	MW-30	Appendix IV	Cobalt	mg/L	18	0	0%	18	2025-02-25	5	0.0460
40_1_4_116	MW-30	Appendix IV	Lithium	mg/L	18	0	0%	18	2023-03-13	50	0.270
40_1_4_118	MW-30	Appendix IV	Molybdenum	mg/L	18	3	17%	15	2025-10-21	1	0.0320
40_1_4_122	MW-30	Appendix IV	Selenium	mg/L	18	7	39%	11	2025-10-21	1	0.00150
40_1_5_111	MW-30	Part 115	Copper	mg/L	18	12	67%	6	2025-10-21	1	0.0130
40_1_5_114	MW-30	Part 115	Iron	mg/L	18	0	0%	18	2025-04-20	10	17.0
40_1_5_119	MW-30	Part 115	Nickel	mg/L	18	3	17%	15	2025-02-25	5	0.110
40_1_5_128	MW-30	Part 115	Vanadium	mg/L	18	15	83%	3	2025-10-21	1	0.0240
41_1_3_107	MW-31	Appendix III	Calcium	mg/L	18	0	0%	18	2026-02-16	5	330
41_1_3_108	MW-31	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	18	2025-08-12	10	170
41_1_3_124	MW-31	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	18	2026-02-16	50	650
41_1_3_126	MW-31	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	18	2026-02-16	3	1500
41_1_4_102	MW-31	Appendix IV	Arsenic	mg/L	18	0	0%	18	2026-02-16	1	0.00820
41_1_4_110	MW-31	Appendix IV	Cobalt	mg/L	18	3	17%	15	2026-02-16	1	0.00110
41_1_4_118	MW-31	Appendix IV	Molybdenum	mg/L	18	0	0%	18	2026-02-16	1	0.0130
41_1_4_122	MW-31	Appendix IV	Selenium	mg/L	18	6	33%	12	2026-02-16	1	0.0380
41_1_5_114	MW-31	Part 115	Iron	mg/L	18	0	0%	18	2026-02-16	1	5.70
42_1_4_102	MW-32	Appendix IV	Arsenic	mg/L	18	0	0%	18	2024-02-12	1	0.00240
42_1_4_109	MW-32	Appendix IV	Chromium, Total	mg/L	18	0	0%	18	2024-02-12	1	0.00300
42_1_4_110	MW-32	Appendix IV	Cobalt	mg/L	18	0	0%	18	2024-02-12	1	0.00190
42_1_4_117	MW-32	Appendix IV	Mercury	ng/L	18	14	78%	4	2024-04-07	1	1900
42_1_4_122	MW-32	Appendix IV	Selenium	mg/L	18	14	78%	4	2024-02-12	1	0.00100
42_1_5_111	MW-32	Part 115	Copper	mg/L	18	11	61%	7	2024-02-12	1	0.0160
42_1_5_119	MW-32	Part 115	Nickel	mg/L	18	0	0%	18	2024-02-12	1	0.0230
47_1_4_109	MW-37	Appendix IV	Chromium, Total	mg/L	8	0	0%	8	2025-10-21	1	0.00150
47_1_4_115	MW-37	Appendix IV	Lead	mg/L	8	2	25%	6	2025-10-21	1	0.0100
47_1_5_111	MW-37	Part 115	Copper	mg/L	8	0	0%	8	2025-10-21	1	0.0410
48_2_3_107	MW-38	Appendix III	Calcium	mg/L	8	0	0%	8	2025-10-21	50	560

Table 7: Seasonality Tests

						Full										Without Non-Detects									
						Sample Size					p-Value					Sample Size					p-Value				
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis		ANOVA		Log ANOVA		Winter	Spring	Summer	Fall	Total	Kruskal-Wallis		ANOVA		Log ANOVA	
11_2_3_105	MW-01R	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.016	*	0.004	**	0.022	*	5	5	4	4	18	0.016	*	0.004	**	0.022	*
11_2_3_107	MW-01R	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.017	*	0.015	*	0.006	**	5	5	4	4	18	0.017	*	0.015	*	0.006	**
11_2_3_108	MW-01R	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.031	*	0.020	*	0.034	*	5	5	4	4	18	0.031	*	0.020	*	0.034	*
11_2_3_112	MW-01R	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.008	**	0.004	**	0.019	*	5	5	4	4	18	0.008	**	0.004	**	0.019	*
11_2_3_120	MW-01R	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.426		0.450		0.453		5	5	4	4	18	0.426		0.450		0.453	
11_2_3_124	MW-01R	Appendix III	Sulfate (as SO4)	mg/L	0%	5	5	4	4	18	0.017	*	0.005	**	0.009	**	5	5	4	4	18	0.017	*	0.005	**	0.009	**
11_2_3_126	MW-01R	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.058		0.057		0.061		5	5	4	4	18	0.058		0.057		0.061	
11_2_4_101	MW-01R	Appendix IV	Antimony	mg/L	17%	5	5	4	4	18	0.933		0.749		0.834		3	4	4	4	15	0.991		0.804		0.919	
11_2_4_102	MW-01R	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.064		0.205		0.083		5	5	4	4	18	0.064		0.205		0.083	
11_2_4_103	MW-01R	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.075		0.095		0.063		5	5	4	4	18	0.075		0.095		0.063	
11_2_4_104	MW-01R	Appendix IV	Beryllium	mg/L	11%	5	5	4	4	18	0.227		0.185		0.385		5	4	4	3	16	0.168		0.143		0.191	
11_2_4_106	MW-01R	Appendix IV	Cadmium	mg/L	72%	5	5	4	4	18	0.914		0.718		0.783		2	0	1	2	5	0.368		0.480		0.630	
11_2_4_109	MW-01R	Appendix IV	Chromium, Total	mg/L	0%	5	5	4	4	18	0.030	*	0.515		0.230		5	5	4	4	18	0.030	*	0.515		0.230	
11_2_4_110	MW-01R	Appendix IV	Cobalt	mg/L	0%	5	5	4	4	18	0.322		0.441		0.398		5	5	4	4	18	0.322		0.441		0.398	
11_2_4_113	MW-01R	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.008	**	0.004	**	0.019	*	5	5	4	4	18	0.008	**	0.004	**	0.019	*
11_2_4_115	MW-01R	Appendix IV	Lead	mg/L	11%	5	5	4	4	18	0.153		0.458		0.195		4	4	4	4	16	0.079		0.459		0.146	
11_2_4_116	MW-01R	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.016	*	0.013	*	0.054		5	5	4	4	18	0.016	*	0.013	*	0.054	
11_2_4_117	MW-01R	Appendix IV	Mercury	ng/L	83%	5	5	4	4	18	0.988		0.997		0.979		1	0	1	1	3	0.368		NA		NA	
11_2_4_118	MW-01R	Appendix IV	Molybdenum	mg/L	11%	5	5	4	4	18	0.710		0.436		0.480		5	3	4	4	16	0.637		0.453		0.383	
11_2_4_121	MW-01R	Appendix IV	Radium 226 and 228	pCi/L	67%	5	5	4	4	18	0.831		0.753		0.830		2	1	2	1	6	0.463		0.840		0.859	
11_2_4_122	MW-01R	Appendix IV	Selenium	mg/L	0%	5	5	4	4	18	0.224		0.470		0.284		5	5	4	4	18	0.224		0.470		0.284	
11_2_4_125	MW-01R	Appendix IV	Thallium	mg/L	100%	5	5	4	4	18	0.519		0.558		0.558		NA	NA	NA	NA	NA	NA		NA		NA	
11_2_5_111	MW-01R	Part 115	Copper	mg/L	33%	5	5	4	4	18	0.075		0.243		0.155		3	1	4	4	12	0.114		0.235		0.145	
11_2_5_114	MW-01R	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.089		0.089		0.116		5	5	4	4	18	0.089		0.089		0.116	
11_2_5_119	MW-01R	Part 115	Nickel	mg/L	0%	5	5	4	4	18	0.202		0.157		0.172		5	5	4	4	18	0.202		0.157		0.172	
11_2_5_123	MW-01R	Part 115	Silver	mg/L	100%	5	5	4	4	18	0.274		0.289		0.289		NA	NA	NA	NA	NA	NA		NA		NA	
11_2_5_128	MW-01R	Part 115	Vanadium	mg/L	11%	5	5	4	4	18	0.034	*	0.001	**	0.022	*	4	4	4	4	16	0.055		0.003	**	0.036	*
11_2_5_129	MW-01R	Part 115	Zinc	mg/L	17%	5	5	4	4	18	0.516		0.539		0.706		5	3	3	4	15	0.907		0.768		0.930	
12_2_3_105	MW-02	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.591		0.462		0.452		5	5	4	4	18	0.591		0.462		0.452	
12_2_3_107	MW-02	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.400		0.345		0.343		5	5	4	4	18	0.400		0.345		0.343	
12_2_3_108	MW-02	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.704		0.494		0.488		5	5	4	4	18	0.704		0.494		0.488	
12_2_3_112	MW-02	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.744		0.958		0.986		5	5	4	4	18	0.744		0.958		0.986	
12_2_3_120	MW-02	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.360		0.369		0.371		5	5	4	4	18	0.360		0.369		0.371	
12_2_3_124	MW-02	Appendix III	Sulfate (as SO4)	mg/L	56%	5	5	4	4	18	0.990		0.828		0.995		2	1	2	3	8	0.480		0.438		0.505	
12_2_3_126	MW-02	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.385		0.355		0.361		5	5	4	4	18	0.385		0.355		0.361	
12_2_4_101	MW-02	Appendix IV	Antimony	mg/L	17%	5	5	4	4	18	0.192		0.183		0.209		3	4	4	4	15	0.224		0.366		0.292	
12_2_4_102	MW-02	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.729		0.899		0.731		5	5	4	4	18	0.729		0.899		0.731	
12_2_4_103	MW-02	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.166		0.325		0.411		5	5	4	4	18	0.166		0.325		0.411	
12_2_4_104	MW-02	Appendix IV	Beryllium	mg/L	6%	5	5	4	4	18	0.801		0.743		0.804		4	5	4	4	17	0.536		0.550		0.469	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
12_2_4_106	MW-02	Appendix IV	Cadmium	mg/L	67%	5	5	4	4	18	0.720	0.669	0.887	3	2	0	1	6	0.252	0.001 **	0.041 *
12_2_4_109	MW-02	Appendix IV	Chromium, Total	mg/L	0%	5	5	4	4	18	0.290	0.564	0.803	5	5	4	4	18	0.290	0.564	0.803
12_2_4_110	MW-02	Appendix IV	Cobalt	mg/L	0%	5	5	4	4	18	0.717	0.853	0.872	5	5	4	4	18	0.717	0.853	0.872
12_2_4_113	MW-02	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.744	0.958	0.986	5	5	4	4	18	0.744	0.958	0.986
12_2_4_115	MW-02	Appendix IV	Lead	mg/L	6%	5	5	4	4	18	0.191	0.268	0.670	4	5	4	4	17	0.054	0.073	0.059
12_2_4_116	MW-02	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.230	0.193	0.223	5	5	4	4	18	0.230	0.193	0.223
12_2_4_117	MW-02	Appendix IV	Mercury	ng/L	78%	5	5	4	4	18	0.969	0.996	0.979	1	1	1	1	4	0.392	NA	NA
12_2_4_118	MW-02	Appendix IV	Molybdenum	mg/L	0%	5	5	4	4	18	0.144	0.167	0.143	5	5	4	4	18	0.144	0.167	0.143
12_2_4_121	MW-02	Appendix IV	Radium 226 and 228	pCi/L	35%	4	5	4	4	17	0.275	0.164	0.387	2	3	3	3	11	0.811	0.779	0.890
12_2_4_122	MW-02	Appendix IV	Selenium	mg/L	0%	5	5	4	4	18	0.536	0.597	0.626	5	5	4	4	18	0.536	0.597	0.626
12_2_4_125	MW-02	Appendix IV	Thallium	mg/L	94%	5	5	4	4	18	0.928	0.889	0.962	0	0	0	1	1	NA	NA	NA
12_2_5_111	MW-02	Part 115	Copper	mg/L	0%	5	5	4	4	18	0.789	0.650	0.981	5	5	4	4	18	0.789	0.650	0.981
12_2_5_114	MW-02	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.018 *	0.006 **	0.004 **	5	5	4	4	18	0.018 *	0.006 **	0.004 **
12_2_5_119	MW-02	Part 115	Nickel	mg/L	0%	5	5	4	4	18	0.522	0.398	0.990	5	5	4	4	18	0.522	0.398	0.990
12_2_5_123	MW-02	Part 115	Silver	mg/L	100%	5	5	4	4	18	0.334	0.357	0.357	NA	NA	NA	NA	NA	NA	NA	NA
12_2_5_128	MW-02	Part 115	Vanadium	mg/L	6%	5	5	4	4	18	0.728	0.706	0.750	4	5	4	4	17	0.731	0.723	0.674
12_2_5_129	MW-02	Part 115	Zinc	mg/L	0%	5	5	4	4	18	0.444	0.388	0.393	5	5	4	4	18	0.444	0.388	0.393
13_2_3_105	MW-03	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.428	0.319	0.292	5	5	4	4	18	0.428	0.319	0.292
13_2_3_107	MW-03	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.489	0.424	0.375	5	5	4	4	18	0.489	0.424	0.375
13_2_3_108	MW-03	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.768	0.604	0.671	5	5	4	4	18	0.768	0.604	0.671
13_2_3_112	MW-03	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.175	0.422	0.372	5	5	4	4	18	0.175	0.422	0.372
13_2_3_120	MW-03	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.253	0.186	0.189	5	5	4	4	18	0.253	0.186	0.189
13_2_3_124	MW-03	Appendix III	Sulfate (as SO4)	mg/L	0%	5	5	4	4	18	0.076	0.046 *	0.085	5	5	4	4	18	0.076	0.046 *	0.085
13_2_3_126	MW-03	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.367	0.537	0.521	5	5	4	4	18	0.367	0.537	0.521
13_2_4_101	MW-03	Appendix IV	Antimony	mg/L	67%	5	5	4	4	18	0.184	0.531	0.413	2	3	0	1	6	0.213	0.592	0.475
13_2_4_102	MW-03	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.581	0.645	0.757	5	5	4	4	18	0.581	0.645	0.757
13_2_4_103	MW-03	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.866	0.941	0.850	5	5	4	4	18	0.866	0.941	0.850
13_2_4_104	MW-03	Appendix IV	Beryllium	mg/L	61%	5	5	4	4	18	0.800	0.808	0.864	2	2	2	1	7	0.784	0.529	0.560
13_2_4_106	MW-03	Appendix IV	Cadmium	mg/L	94%	5	5	4	4	18	0.854	0.598	0.775	0	0	0	1	1	NA	NA	NA
13_2_4_109	MW-03	Appendix IV	Chromium, Total	mg/L	0%	5	5	4	4	18	0.265	0.357	0.308	5	5	4	4	18	0.265	0.357	0.308
13_2_4_110	MW-03	Appendix IV	Cobalt	mg/L	0%	5	5	4	4	18	0.165	0.297	0.215	5	5	4	4	18	0.165	0.297	0.215
13_2_4_113	MW-03	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.175	0.422	0.372	5	5	4	4	18	0.175	0.422	0.372
13_2_4_115	MW-03	Appendix IV	Lead	mg/L	94%	5	5	4	4	18	0.856	0.647	0.875	0	0	0	1	1	NA	NA	NA
13_2_4_116	MW-03	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.911	0.881	0.912	5	5	4	4	18	0.911	0.881	0.912
13_2_4_117	MW-03	Appendix IV	Mercury	ng/L	78%	5	5	4	4	18	0.968	0.988	0.990	1	1	1	1	4	0.392	NA	NA
13_2_4_118	MW-03	Appendix IV	Molybdenum	mg/L	72%	5	5	4	4	18	0.239	0.512	0.331	2	1	0	2	5	0.368	0.397	0.522
13_2_4_121	MW-03	Appendix IV	Radium 226 and 228	pCi/L	18%	5	4	4	4	17	0.544	0.508	0.528	3	4	4	3	14	0.295	0.341	0.292
13_2_4_122	MW-03	Appendix IV	Selenium	mg/L	17%	5	5	4	4	18	0.563	0.457	0.483	3	4	4	4	15	0.617	0.552	0.579
13_2_4_125	MW-03	Appendix IV	Thallium	mg/L	94%	5	5	4	4	18	0.652	0.656	0.709	0	0	0	1	1	NA	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
13_2_5_111	MW-03	Part 115	Copper	mg/L	50%	5	5	4	4	18	0.791	0.685	0.755	1	2	4	2	9	0.303	0.104	0.098
13_2_5_114	MW-03	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.036 *	0.257	0.028 *	5	5	4	4	18	0.036 *	0.257	0.028 *
13_2_5_119	MW-03	Part 115	Nickel	mg/L	6%	5	5	4	4	18	0.960	0.432	0.504	4	5	4	4	17	0.993	0.453	0.699
13_2_5_123	MW-03	Part 115	Silver	mg/L	100%	5	5	4	4	18	0.274	0.289	0.289	NA	NA	NA	NA	NA	NA	NA	NA
13_2_5_128	MW-03	Part 115	Vanadium	mg/L	50%	5	5	4	4	18	0.960	0.952	0.958	2	2	2	3	9	0.172	0.255	0.212
13_2_5_129	MW-03	Part 115	Zinc	mg/L	50%	5	5	4	4	18	0.901	0.912	0.902	1	2	2	4	9	0.484	0.572	0.813
14_2_3_105	MW-04	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.330	0.475	0.478	5	5	4	4	18	0.330	0.475	0.478
14_2_3_107	MW-04	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.717	0.775	0.835	5	5	4	4	18	0.717	0.775	0.835
14_2_3_108	MW-04	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.779	0.914	0.945	5	5	4	4	18	0.779	0.914	0.945
14_2_3_112	MW-04	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.760	0.861	0.754	5	5	4	4	18	0.760	0.861	0.754
14_2_3_120	MW-04	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.061	0.084	0.088	5	5	4	4	18	0.061	0.084	0.088
14_2_3_124	MW-04	Appendix III	Sulfate (as SO4)	mg/L	0%	5	5	4	4	18	0.465	0.386	0.427	5	5	4	4	18	0.465	0.386	0.427
14_2_3_126	MW-04	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.350	0.484	0.510	5	5	4	4	18	0.350	0.484	0.510
14_2_4_101	MW-04	Appendix IV	Antimony	mg/L	67%	5	5	4	4	18	0.839	0.744	0.859	1	2	1	2	6	0.543	0.530	0.643
14_2_4_102	MW-04	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.732	0.307	0.448	5	5	4	4	18	0.732	0.307	0.448
14_2_4_103	MW-04	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.463	0.368	0.339	5	5	4	4	18	0.463	0.368	0.339
14_2_4_104	MW-04	Appendix IV	Beryllium	mg/L	83%	5	5	4	4	18	0.727	0.600	0.617	1	0	1	1	3	0.368	NA	NA
14_2_4_106	MW-04	Appendix IV	Cadmium	mg/L	100%	5	5	4	4	18	0.676	0.544	0.670	NA	NA	NA	NA	NA	NA	NA	NA
14_2_4_109	MW-04	Appendix IV	Chromium, Total	mg/L	0%	5	5	4	4	18	0.665	0.602	0.611	5	5	4	4	18	0.665	0.602	0.611
14_2_4_110	MW-04	Appendix IV	Cobalt	mg/L	0%	5	5	4	4	18	0.647	0.530	0.536	5	5	4	4	18	0.647	0.530	0.536
14_2_4_113	MW-04	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.760	0.861	0.754	5	5	4	4	18	0.760	0.861	0.754
14_2_4_115	MW-04	Appendix IV	Lead	mg/L	83%	5	5	4	4	18	0.740	0.753	0.785	1	1	0	1	3	0.368	NA	NA
14_2_4_116	MW-04	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.029 *	0.005 **	0.005 **	5	5	4	4	18	0.029 *	0.005 **	0.005 **
14_2_4_117	MW-04	Appendix IV	Mercury	ng/L	78%	5	5	4	4	18	0.979	0.997	0.968	1	1	1	1	4	0.392	NA	NA
14_2_4_118	MW-04	Appendix IV	Molybdenum	mg/L	11%	5	5	4	4	18	0.546	0.806	0.739	4	4	4	4	16	0.496	0.781	0.760
14_2_4_121	MW-04	Appendix IV	Radium 226 and 228	pCi/L	33%	5	5	4	4	18	0.966	0.969	0.940	3	3	3	3	12	0.679	0.803	0.700
14_2_4_122	MW-04	Appendix IV	Selenium	mg/L	28%	5	5	4	4	18	0.395	0.738	0.838	4	2	4	3	13	0.372	0.199	0.296
14_2_4_125	MW-04	Appendix IV	Thallium	mg/L	100%	5	5	4	4	18	0.555	0.595	0.595	NA	NA	NA	NA	NA	NA	NA	NA
14_2_5_111	MW-04	Part 115	Copper	mg/L	72%	5	5	4	4	18	0.427	0.714	0.683	1	2	0	2	5	1.000	0.979	0.941
14_2_5_114	MW-04	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.298	0.912	0.858	5	5	4	4	18	0.298	0.912	0.858
14_2_5_119	MW-04	Part 115	Nickel	mg/L	0%	5	5	4	4	18	0.112	0.166	0.300	5	5	4	4	18	0.112	0.166	0.300
14_2_5_123	MW-04	Part 115	Silver	mg/L	100%	5	5	4	4	18	0.274	0.289	0.289	NA	NA	NA	NA	NA	NA	NA	NA
14_2_5_128	MW-04	Part 115	Vanadium	mg/L	56%	5	5	4	4	18	0.503	0.568	0.539	2	2	2	2	8	0.406	0.380	0.320
14_2_5_129	MW-04	Part 115	Zinc	mg/L	56%	5	5	4	4	18	0.160	0.598	0.290	1	2	1	4	8	0.283	0.041 *	0.226
16_1_3_105	MW-06	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.008 **	0.001 **	0.003 **	5	5	4	4	18	0.008 **	0.001 **	0.003 **
16_1_3_107	MW-06	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.211	0.172	0.183	5	5	4	4	18	0.211	0.172	0.183
16_1_3_108	MW-06	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.434	0.377	0.446	5	5	4	4	18	0.434	0.377	0.446
16_1_3_112	MW-06	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.139	0.090	0.096	5	5	4	4	18	0.139	0.090	0.096
16_1_3_120	MW-06	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.931	0.712	0.696	5	5	4	4	18	0.931	0.712	0.696

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
16_1_3_124	MW-06	Appendix III	Sulfate (as SO4)	mg/L	11%	5	5	4	4	18	0.542	0.559	0.419	5	5	3	3	16	0.815	0.823	0.647
16_1_3_126	MW-06	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.646	0.627	0.595	5	5	4	4	18	0.646	0.627	0.595
16_1_4_101	MW-06	Appendix IV	Antimony	mg/L	89%	5	5	4	4	18	0.745	0.444	0.636	0	1	0	1	2	0.317	NA	NA
16_1_4_102	MW-06	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.024 *	0.002 **	0.004 **	5	5	4	4	18	0.024 *	0.002 **	0.004 **
16_1_4_103	MW-06	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.068	0.071	0.075	5	5	4	4	18	0.068	0.071	0.075
16_1_4_104	MW-06	Appendix IV	Beryllium	mg/L	89%	5	5	4	4	18	0.546	0.587	0.589	2	0	0	0	2	NA	NA	NA
16_1_4_106	MW-06	Appendix IV	Cadmium	mg/L	100%	5	5	4	4	18	0.676	0.544	0.670	NA	NA	NA	NA	NA	NA	NA	NA
16_1_4_109	MW-06	Appendix IV	Chromium, Total	mg/L	0%	5	5	4	4	18	0.506	0.875	0.778	5	5	4	4	18	0.506	0.875	0.778
16_1_4_110	MW-06	Appendix IV	Cobalt	mg/L	0%	5	5	4	4	18	0.780	0.641	0.719	5	5	4	4	18	0.780	0.641	0.719
16_1_4_113	MW-06	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.139	0.090	0.096	5	5	4	4	18	0.139	0.090	0.096
16_1_4_115	MW-06	Appendix IV	Lead	mg/L	56%	5	5	4	4	18	0.594	0.510	0.553	3	0	2	3	8	0.531	0.699	0.654
16_1_4_116	MW-06	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.397	0.405	0.309	5	5	4	4	18	0.397	0.405	0.309
16_1_4_117	MW-06	Appendix IV	Mercury	ng/L	78%	5	5	4	4	18	0.995	0.997	0.997	1	1	1	1	4	0.392	NA	NA
16_1_4_118	MW-06	Appendix IV	Molybdenum	mg/L	56%	5	5	4	4	18	0.665	0.536	0.550	2	1	2	3	8	0.928	0.731	0.780
16_1_4_121	MW-06	Appendix IV	Radium 226 and 228	pCi/L	17%	5	5	4	4	18	0.276	0.277	0.234	4	4	3	4	15	0.170	0.243	0.182
16_1_4_122	MW-06	Appendix IV	Selenium	mg/L	28%	5	5	4	4	18	0.436	0.438	0.392	3	3	4	3	13	0.426	0.367	0.342
16_1_4_125	MW-06	Appendix IV	Thallium	mg/L	100%	5	5	4	4	18	0.471	0.290	0.291	NA	NA	NA	NA	NA	NA	NA	NA
16_1_5_111	MW-06	Part 115	Copper	mg/L	72%	5	5	4	4	18	0.305	0.288	0.288	2	0	2	1	5	0.301	0.570	0.527
16_1_5_114	MW-06	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.309	0.384	0.448	5	5	4	4	18	0.309	0.384	0.448
16_1_5_119	MW-06	Part 115	Nickel	mg/L	33%	5	5	4	4	18	0.115	0.114	0.100	4	1	3	4	12	0.850	0.893	0.925
16_1_5_123	MW-06	Part 115	Silver	mg/L	100%	5	5	4	4	18	0.471	0.290	0.292	NA	NA	NA	NA	NA	NA	NA	NA
16_1_5_128	MW-06	Part 115	Vanadium	mg/L	78%	5	5	4	4	18	0.231	0.355	0.386	1	0	2	1	4	0.259	0.230	0.197
16_1_5_129	MW-06	Part 115	Zinc	mg/L	11%	5	5	4	4	18	0.368	0.963	0.777	4	4	4	4	16	0.481	0.988	0.878
17_1_3_105	MW-07	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.170	0.245	0.250	5	5	4	4	18	0.170	0.245	0.250
17_1_3_107	MW-07	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.951	0.963	0.965	5	5	4	4	18	0.951	0.963	0.965
17_1_3_108	MW-07	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.448	0.712	0.662	5	5	4	4	18	0.448	0.712	0.662
17_1_3_112	MW-07	Appendix III	Fluoride	mg/L	22%	5	5	4	4	18	0.817	0.690	0.848	4	4	3	3	14	0.370	0.322	0.331
17_1_3_120	MW-07	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.945	0.761	0.761	5	5	4	4	18	0.945	0.761	0.761
17_1_3_124	MW-07	Appendix III	Sulfate (as SO4)	mg/L	0%	5	5	4	4	18	0.028 *	0.008 **	0.005 **	5	5	4	4	18	0.028 *	0.008 **	0.005 **
17_1_3_126	MW-07	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.435	0.689	0.708	5	5	4	4	18	0.435	0.689	0.708
17_1_4_101	MW-07	Appendix IV	Antimony	mg/L	94%	5	5	4	4	18	0.552	0.600	0.604	0	1	0	0	1	NA	NA	NA
17_1_4_102	MW-07	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.595	0.446	0.515	5	5	4	4	18	0.595	0.446	0.515
17_1_4_103	MW-07	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.285	0.222	0.202	5	5	4	4	18	0.285	0.222	0.202
17_1_4_104	MW-07	Appendix IV	Beryllium	mg/L	72%	5	5	4	4	18	0.433	0.446	0.433	2	0	1	2	5	0.206	0.557	0.517
17_1_4_106	MW-07	Appendix IV	Cadmium	mg/L	100%	5	5	4	4	18	0.538	0.577	0.577	NA	NA	NA	NA	NA	NA	NA	NA
17_1_4_109	MW-07	Appendix IV	Chromium, Total	mg/L	0%	5	5	4	4	18	0.281	0.474	0.457	5	5	4	4	18	0.281	0.474	0.457
17_1_4_110	MW-07	Appendix IV	Cobalt	mg/L	0%	5	5	4	4	18	0.966	0.811	0.820	5	5	4	4	18	0.966	0.811	0.820
17_1_4_113	MW-07	Appendix IV	Fluoride (App IV)	mg/L	22%	5	5	4	4	18	0.817	0.690	0.848	4	4	3	3	14	0.370	0.322	0.331
17_1_4_115	MW-07	Appendix IV	Lead	mg/L	100%	5	5	4	4	18	0.538	0.577	0.577	NA	NA	NA	NA	NA	NA	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
17_1_4_116	MW-07	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.487	0.581	0.592	5	5	4	4	18	0.487	0.581	0.592
17_1_4_117	MW-07	Appendix IV	Mercury	ng/L	94%	5	5	4	4	18	0.997	0.997	0.998	0	0	1	0	1	NA	NA	NA
17_1_4_118	MW-07	Appendix IV	Molybdenum	mg/L	100%	5	5	4	4	18	0.538	0.577	0.577	NA	NA	NA	NA	NA	NA	NA	NA
17_1_4_121	MW-07	Appendix IV	Radium 226 and 228	pCi/L	11%	5	5	4	4	18	0.758	0.418	0.525	5	4	3	4	16	0.423	0.181	0.211
17_1_4_122	MW-07	Appendix IV	Selenium	mg/L	50%	5	5	4	4	18	0.101	0.196	0.170	3	2	2	2	9	0.104	0.436	0.334
17_1_4_125	MW-07	Appendix IV	Thallium	mg/L	100%	5	5	4	4	18	NA	0.343	0.343	NA	NA	NA	NA	NA	NA	NA	NA
17_1_5_111	MW-07	Part 115	Copper	mg/L	78%	5	5	4	4	18	0.995	0.591	0.656	1	1	1	1	4	0.392	NA	NA
17_1_5_114	MW-07	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.901	0.909	0.871	5	5	4	4	18	0.901	0.909	0.871
17_1_5_119	MW-07	Part 115	Nickel	mg/L	78%	5	5	4	4	18	0.739	0.773	0.746	1	0	1	2	4	0.259	0.746	0.669
17_1_5_123	MW-07	Part 115	Silver	mg/L	100%	5	5	4	4	18	NA	0.343	0.343	NA	NA	NA	NA	NA	NA	NA	NA
17_1_5_128	MW-07	Part 115	Vanadium	mg/L	67%	5	5	4	4	18	0.159	0.175	0.181	1	1	2	2	6	0.232	0.144	0.106
17_1_5_129	MW-07	Part 115	Zinc	mg/L	56%	5	5	4	4	18	0.911	0.977	0.818	2	1	1	4	8	0.462	0.664	0.781
18_1_3_105	MW-08	Appendix III	Boron	mg/L	0%	6	5	4	3	18	0.217	0.400	0.363	6	5	4	3	18	0.217	0.400	0.363
18_1_3_107	MW-08	Appendix III	Calcium	mg/L	0%	6	5	4	3	18	0.925	0.952	0.977	6	5	4	3	18	0.925	0.952	0.977
18_1_3_108	MW-08	Appendix III	Chloride (as Cl)	mg/L	0%	6	5	4	3	18	0.654	0.178	0.300	6	5	4	3	18	0.654	0.178	0.300
18_1_3_112	MW-08	Appendix III	Fluoride	mg/L	0%	6	5	4	3	18	0.663	0.472	0.367	6	5	4	3	18	0.663	0.472	0.367
18_1_3_120	MW-08	Appendix III	pH (field)	su	0%	6	5	4	3	18	0.128	0.575	0.588	6	5	4	3	18	0.128	0.575	0.588
18_1_3_124	MW-08	Appendix III	Sulfate (as SO4)	mg/L	28%	6	5	4	3	18	0.613	0.773	0.608	5	4	1	3	13	0.312	0.680	0.363
18_1_3_126	MW-08	Appendix III	Total Dissolved Solids	mg/L	0%	6	5	4	3	18	0.431	0.392	0.462	6	5	4	3	18	0.431	0.392	0.462
18_1_4_101	MW-08	Appendix IV	Antimony	mg/L	56%	6	5	4	3	18	0.812	0.552	0.644	4	2	1	1	8	0.505	0.480	0.606
18_1_4_102	MW-08	Appendix IV	Arsenic	mg/L	0%	6	5	4	3	18	0.601	0.835	0.556	6	5	4	3	18	0.601	0.835	0.556
18_1_4_103	MW-08	Appendix IV	Barium	mg/L	0%	6	5	4	3	18	0.529	0.510	0.494	6	5	4	3	18	0.529	0.510	0.494
18_1_4_104	MW-08	Appendix IV	Beryllium	mg/L	94%	6	5	4	3	18	0.572	0.612	0.612	1	0	0	0	1	NA	NA	NA
18_1_4_106	MW-08	Appendix IV	Cadmium	mg/L	94%	6	5	4	3	18	0.502	0.559	0.409	1	0	0	0	1	NA	NA	NA
18_1_4_109	MW-08	Appendix IV	Chromium, Total	mg/L	0%	6	5	4	3	18	0.309	0.498	0.446	6	5	4	3	18	0.309	0.498	0.446
18_1_4_110	MW-08	Appendix IV	Cobalt	mg/L	0%	6	5	4	3	18	0.552	0.728	0.707	6	5	4	3	18	0.552	0.728	0.707
18_1_4_113	MW-08	Appendix IV	Fluoride (App IV)	mg/L	0%	6	5	4	3	18	0.663	0.472	0.367	6	5	4	3	18	0.663	0.472	0.367
18_1_4_115	MW-08	Appendix IV	Lead	mg/L	67%	6	5	4	3	18	0.149	0.247	0.367	3	2	0	1	6	0.252	0.013 *	0.157
18_1_4_116	MW-08	Appendix IV	Lithium	mg/L	0%	6	5	4	3	18	0.525	0.517	0.552	6	5	4	3	18	0.525	0.517	0.552
18_1_4_117	MW-08	Appendix IV	Mercury	ng/L	94%	6	5	4	3	18	0.951	0.962	0.960	0	0	1	0	1	NA	NA	NA
18_1_4_118	MW-08	Appendix IV	Molybdenum	mg/L	6%	6	5	4	3	18	0.011 *	0.014 *	0.000 ***	6	5	3	3	17	0.023 *	0.034 *	0.001 ***
18_1_4_121	MW-08	Appendix IV	Radium 226 and 228	pCi/L	28%	6	5	4	3	18	0.275	0.732	0.647	3	5	3	2	13	0.567	0.736	0.804
18_1_4_122	MW-08	Appendix IV	Selenium	mg/L	33%	6	5	4	3	18	0.064	0.031 *	0.032 *	3	3	3	3	12	0.634	0.133	0.207
18_1_4_125	MW-08	Appendix IV	Thallium	mg/L	94%	6	5	4	3	18	0.572	0.612	0.612	1	0	0	0	1	NA	NA	NA
18_1_5_111	MW-08	Part 115	Copper	mg/L	33%	6	5	4	3	18	0.909	0.760	0.823	4	4	2	2	12	0.580	0.617	0.619
18_1_5_114	MW-08	Part 115	Iron	mg/L	0%	6	5	4	3	18	0.112	0.148	0.306	6	5	4	3	18	0.112	0.148	0.306
18_1_5_119	MW-08	Part 115	Nickel	mg/L	0%	6	5	4	3	18	0.856	0.249	0.587	6	5	4	3	18	0.856	0.249	0.587
18_1_5_123	MW-08	Part 115	Silver	mg/L	100%	6	5	4	3	18	NA	0.612	0.612	NA	NA	NA	NA	NA	NA	NA	NA
18_1_5_128	MW-08	Part 115	Vanadium	mg/L	83%	6	5	4	3	18	0.732	0.713	0.721	1	0	1	1	3	0.368	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
18_1_5_129	MW-08	Part 115	Zinc	mg/L	17%	6	5	4	3	18	0.760	0.857	0.911	4	5	3	3	15	0.340	0.910	0.740
19_2_3_105	MW-09	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.027 *	0.011 *	0.012 *	5	5	4	4	18	0.027 *	0.011 *	0.012 *
19_2_3_107	MW-09	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.626	0.568	0.490	5	5	4	4	18	0.626	0.568	0.490
19_2_3_108	MW-09	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.596	0.719	0.747	5	5	4	4	18	0.596	0.719	0.747
19_2_3_112	MW-09	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.175	0.212	0.230	5	5	4	4	18	0.175	0.212	0.230
19_2_3_120	MW-09	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.119	0.083	0.084	5	5	4	4	18	0.119	0.083	0.084
19_2_3_124	MW-09	Appendix III	Sulfate (as SO4)	mg/L	0%	5	5	4	4	18	0.415	0.266	0.207	5	5	4	4	18	0.415	0.266	0.207
19_2_3_126	MW-09	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.512	0.498	0.449	5	5	4	4	18	0.512	0.498	0.449
19_2_4_101	MW-09	Appendix IV	Antimony	mg/L	67%	5	5	4	4	18	0.538	0.362	0.410	2	2	1	1	6	0.463	0.808	0.720
19_2_4_102	MW-09	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.091	0.108	0.112	5	5	4	4	18	0.091	0.108	0.112
19_2_4_103	MW-09	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.677	0.535	0.788	5	5	4	4	18	0.677	0.535	0.788
19_2_4_104	MW-09	Appendix IV	Beryllium	mg/L	72%	5	5	4	4	18	0.805	0.519	0.528	2	1	1	1	5	0.362	0.876	0.849
19_2_4_106	MW-09	Appendix IV	Cadmium	mg/L	94%	5	5	4	4	18	0.849	0.410	0.734	1	0	0	0	1	NA	NA	NA
19_2_4_109	MW-09	Appendix IV	Chromium, Total	mg/L	0%	5	5	4	4	18	0.866	0.844	0.725	5	5	4	4	18	0.866	0.844	0.725
19_2_4_110	MW-09	Appendix IV	Cobalt	mg/L	0%	5	5	4	4	18	0.086	0.110	0.066	5	5	4	4	18	0.086	0.110	0.066
19_2_4_113	MW-09	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.175	0.212	0.230	5	5	4	4	18	0.175	0.212	0.230
19_2_4_115	MW-09	Appendix IV	Lead	mg/L	94%	5	5	4	4	18	0.294	0.508	0.410	1	0	0	0	1	NA	NA	NA
19_2_4_116	MW-09	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.070	0.080	0.099	5	5	4	4	18	0.070	0.080	0.099
19_2_4_117	MW-09	Appendix IV	Mercury	ng/L	78%	5	5	4	4	18	0.964	0.583	0.992	1	1	1	1	4	0.392	NA	NA
19_2_4_118	MW-09	Appendix IV	Molybdenum	mg/L	0%	5	5	4	4	18	0.216	0.434	0.640	5	5	4	4	18	0.216	0.434	0.640
19_2_4_121	MW-09	Appendix IV	Radium 226 and 228	pCi/L	89%	5	5	4	4	18	0.918	0.975	0.948	0	0	0	2	2	NA	NA	NA
19_2_4_122	MW-09	Appendix IV	Selenium	mg/L	11%	5	5	4	4	18	0.757	0.416	0.361	4	4	4	4	16	0.688	0.332	0.251
19_2_4_125	MW-09	Appendix IV	Thallium	mg/L	100%	5	5	4	4	18	0.682	0.720	0.720	NA	NA	NA	NA	NA	NA	NA	NA
19_2_5_111	MW-09	Part 115	Copper	mg/L	61%	5	5	4	4	18	0.664	0.558	0.528	2	1	2	2	7	0.198	0.652	0.582
19_2_5_114	MW-09	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.013 *	0.018 *	0.077	5	5	4	4	18	0.013 *	0.018 *	0.077
19_2_5_119	MW-09	Part 115	Nickel	mg/L	0%	5	5	4	4	18	0.441	0.387	0.425	5	5	4	4	18	0.441	0.387	0.425
19_2_5_123	MW-09	Part 115	Silver	mg/L	100%	5	5	4	4	18	0.334	0.357	0.357	NA	NA	NA	NA	NA	NA	NA	NA
19_2_5_128	MW-09	Part 115	Vanadium	mg/L	83%	5	5	4	4	18	0.304	0.473	0.504	1	0	1	1	3	0.368	NA	NA
19_2_5_129	MW-09	Part 115	Zinc	mg/L	44%	5	5	4	4	18	0.703	0.529	0.744	3	2	2	3	10	0.779	0.612	0.809
20_3_3_105	MW-10	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.047 *	0.030 *	0.037 *	5	5	4	4	18	0.047 *	0.030 *	0.037 *
20_3_3_107	MW-10	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.476	0.441	0.486	5	5	4	4	18	0.476	0.441	0.486
20_3_3_108	MW-10	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.055	0.032 *	0.026 *	5	5	4	4	18	0.055	0.032 *	0.026 *
20_3_3_112	MW-10	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.228	0.202	0.215	5	5	4	4	18	0.228	0.202	0.215
20_3_3_120	MW-10	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.093	0.066	0.068	5	5	4	4	18	0.093	0.066	0.068
20_3_3_124	MW-10	Appendix III	Sulfate (as SO4)	mg/L	0%	5	5	4	4	18	0.400	0.510	0.368	5	5	4	4	18	0.400	0.510	0.368
20_3_3_126	MW-10	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.776	0.674	0.711	5	5	4	4	18	0.776	0.674	0.711
20_3_4_101	MW-10	Appendix IV	Antimony	mg/L	78%	5	5	4	4	18	0.989	0.525	0.788	0	1	2	1	4	0.223	0.000 ***	0.000 ***
20_3_4_102	MW-10	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.043 *	0.019 *	0.021 *	5	5	4	4	18	0.043 *	0.019 *	0.021 *
20_3_4_103	MW-10	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.054	0.066	0.039 *	5	5	4	4	18	0.054	0.066	0.039 *

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
20_3_4_104	MW-10	Appendix IV	Beryllium	mg/L	44%	5	5	4	4	18	0.247	0.374	0.258	1	3	3	3	10	0.306	0.610	0.493
20_3_4_106	MW-10	Appendix IV	Cadmium	mg/L	100%	5	5	4	4	18	0.676	0.544	0.670	NA	NA	NA	NA	NA	NA	NA	NA
20_3_4_109	MW-10	Appendix IV	Chromium, Total	mg/L	0%	5	5	4	4	18	0.410	0.182	0.235	5	5	4	4	18	0.410	0.182	0.235
20_3_4_110	MW-10	Appendix IV	Cobalt	mg/L	6%	5	5	4	4	18	0.421	0.646	0.594	4	5	4	4	17	0.602	0.794	0.835
20_3_4_113	MW-10	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.228	0.202	0.215	5	5	4	4	18	0.228	0.202	0.215
20_3_4_115	MW-10	Appendix IV	Lead	mg/L	89%	5	5	4	4	18	0.758	0.443	0.640	0	0	1	1	2	0.317	NA	NA
20_3_4_116	MW-10	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.257	0.303	0.195	5	5	4	4	18	0.257	0.303	0.195
20_3_4_117	MW-10	Appendix IV	Mercury	ng/L	83%	5	5	4	4	18	0.925	0.512	0.982	1	1	1	0	3	0.368	NA	NA
20_3_4_118	MW-10	Appendix IV	Molybdenum	mg/L	0%	5	5	4	4	18	0.525	0.525	0.289	5	5	4	4	18	0.525	0.525	0.289
20_3_4_121	MW-10	Appendix IV	Radium 226 and 228	pCi/L	78%	5	5	4	4	18	0.441	0.682	0.693	2	0	1	1	4	0.259	0.565	0.502
20_3_4_122	MW-10	Appendix IV	Selenium	mg/L	6%	5	5	4	4	18	0.461	0.941	0.940	5	4	4	4	17	0.504	0.984	0.987
20_3_4_125	MW-10	Appendix IV	Thallium	mg/L	100%	5	5	4	4	18	0.763	0.721	0.721	NA	NA	NA	NA	NA	NA	NA	NA
20_3_5_111	MW-10	Part 115	Copper	mg/L	83%	5	5	4	4	18	0.231	0.553	0.475	0	1	0	2	3	0.221	0.070	0.125
20_3_5_114	MW-10	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.014 *	0.005 **	0.008 **	5	5	4	4	18	0.014 *	0.005 **	0.008 **
20_3_5_119	MW-10	Part 115	Nickel	mg/L	39%	5	5	4	4	18	0.515	0.945	0.894	2	2	3	4	11	0.719	0.574	0.684
20_3_5_123	MW-10	Part 115	Silver	mg/L	100%	5	5	4	4	18	0.471	0.290	0.292	NA	NA	NA	NA	NA	NA	NA	NA
20_3_5_128	MW-10	Part 115	Vanadium	mg/L	67%	5	5	4	4	18	0.106	0.376	0.316	1	1	2	2	6	0.370	0.354	0.231
20_3_5_129	MW-10	Part 115	Zinc	mg/L	39%	5	5	4	4	18	0.265	0.846	0.749	2	2	3	4	11	0.898	0.565	0.939
21_2_3_105	MW-11	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.009 **	0.006 **	0.001 **	5	5	4	4	18	0.009 **	0.006 **	0.001 **
21_2_3_107	MW-11	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.053	0.032 *	0.041 *	5	5	4	4	18	0.053	0.032 *	0.041 *
21_2_3_108	MW-11	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.019 *	0.002 **	0.001 **	5	5	4	4	18	0.019 *	0.002 **	0.001 **
21_2_3_112	MW-11	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.040 *	0.067	0.050	5	5	4	4	18	0.040 *	0.067	0.050
21_2_3_120	MW-11	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.117	0.204	0.205	5	5	4	4	18	0.117	0.204	0.205
21_2_3_124	MW-11	Appendix III	Sulfate (as SO4)	mg/L	39%	5	5	4	4	18	0.164	0.039 *	0.112	2	4	3	2	11	0.164	0.116	0.070
21_2_3_126	MW-11	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.544	0.564	0.479	5	5	4	4	18	0.544	0.564	0.479
21_2_4_101	MW-11	Appendix IV	Antimony	mg/L	72%	5	5	4	4	18	0.831	0.654	0.714	1	2	0	2	5	0.349	0.121	0.364
21_2_4_102	MW-11	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.113	0.211	0.119	5	5	4	4	18	0.113	0.211	0.119
21_2_4_103	MW-11	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.022 *	0.021 *	0.012 *	5	5	4	4	18	0.022 *	0.021 *	0.012 *
21_2_4_104	MW-11	Appendix IV	Beryllium	mg/L	72%	5	5	4	4	18	0.521	0.592	0.705	2	1	0	2	5	0.165	0.006 **	0.048 *
21_2_4_106	MW-11	Appendix IV	Cadmium	mg/L	83%	5	5	4	4	18	0.804	0.801	0.899	1	1	0	1	3	0.368	NA	NA
21_2_4_109	MW-11	Appendix IV	Chromium, Total	mg/L	0%	5	5	4	4	18	0.115	0.614	0.458	5	5	4	4	18	0.115	0.614	0.458
21_2_4_110	MW-11	Appendix IV	Cobalt	mg/L	0%	5	5	4	4	18	0.890	0.859	0.981	5	5	4	4	18	0.890	0.859	0.981
21_2_4_113	MW-11	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.040 *	0.067	0.050	5	5	4	4	18	0.040 *	0.067	0.050
21_2_4_115	MW-11	Appendix IV	Lead	mg/L	17%	5	5	4	4	18	0.904	0.650	0.766	5	2	4	4	15	0.962	0.810	0.938
21_2_4_116	MW-11	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.022 *	0.038 *	0.007 **	5	5	4	4	18	0.022 *	0.038 *	0.007 **
21_2_4_117	MW-11	Appendix IV	Mercury	ng/L	72%	5	5	4	4	18	0.946	0.545	0.986	1	2	1	1	5	0.849	0.889	0.921
21_2_4_118	MW-11	Appendix IV	Molybdenum	mg/L	11%	5	5	4	4	18	0.459	0.656	0.535	5	3	4	4	16	0.897	0.857	0.866
21_2_4_121	MW-11	Appendix IV	Radium 226 and 228	pCi/L	35%	5	4	4	4	17	0.846	0.843	0.821	3	3	2	3	11	0.621	0.640	0.636
21_2_4_122	MW-11	Appendix IV	Selenium	mg/L	17%	5	5	4	4	18	0.444	0.413	0.398	4	3	4	4	15	0.419	0.398	0.403

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
21_2_4_125	MW-11	Appendix IV	Thallium	mg/L	94%	5	5	4	4	18	0.124	0.176	0.134	0	1	0	0	1	NA	NA	NA
21_2_5_111	MW-11	Part 115	Copper	mg/L	22%	5	5	4	4	18	0.314	0.651	0.802	5	2	4	3	14	0.891	0.827	0.995
21_2_5_114	MW-11	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.065	0.131	0.075	5	5	4	4	18	0.065	0.131	0.075
21_2_5_119	MW-11	Part 115	Nickel	mg/L	0%	5	5	4	4	18	0.368	0.494	0.403	5	5	4	4	18	0.368	0.494	0.403
21_2_5_123	MW-11	Part 115	Silver	mg/L	83%	5	5	4	4	18	0.154	0.094	0.140	1	1	0	1	3	0.368	NA	NA
21_2_5_128	MW-11	Part 115	Vanadium	mg/L	72%	5	5	4	4	18	0.412	0.536	0.557	2	1	1	1	5	0.284	0.035 *	0.089
21_2_5_129	MW-11	Part 115	Zinc	mg/L	22%	5	5	4	4	18	0.309	0.194	0.274	4	3	3	4	14	0.286	0.216	0.353
22_2_3_105	MW-12	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.006 **	0.000 ***	0.000 ***	5	5	4	4	18	0.006 **	0.000 ***	0.000 ***
22_2_3_107	MW-12	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.024 *	0.009 **	0.013 *	5	5	4	4	18	0.024 *	0.009 **	0.013 *
22_2_3_108	MW-12	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.066	0.095	0.070	5	5	4	4	18	0.066	0.095	0.070
22_2_3_112	MW-12	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.773	0.849	0.884	5	5	4	4	18	0.773	0.849	0.884
22_2_3_120	MW-12	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.043 *	0.101	0.106	5	5	4	4	18	0.043 *	0.101	0.106
22_2_3_124	MW-12	Appendix III	Sulfate (as SO4)	mg/L	0%	5	5	4	4	18	0.942	0.864	0.918	5	5	4	4	18	0.942	0.864	0.918
22_2_3_126	MW-12	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.042 *	0.025 *	0.077	5	5	4	4	18	0.042 *	0.025 *	0.077
22_2_4_101	MW-12	Appendix IV	Antimony	mg/L	0%	5	5	4	4	18	0.112	0.058	0.103	5	5	4	4	18	0.112	0.058	0.103
22_2_4_102	MW-12	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.005 **	0.006 **	0.000 ***	5	5	4	4	18	0.005 **	0.006 **	0.000 ***
22_2_4_103	MW-12	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.027 *	0.027 *	0.014 *	5	5	4	4	18	0.027 *	0.027 *	0.014 *
22_2_4_104	MW-12	Appendix IV	Beryllium	mg/L	94%	5	5	4	4	18	0.457	0.493	0.493	1	0	0	0	1	NA	NA	NA
22_2_4_106	MW-12	Appendix IV	Cadmium	mg/L	0%	5	5	4	4	18	0.113	0.119	0.061	5	5	4	4	18	0.113	0.119	0.061
22_2_4_109	MW-12	Appendix IV	Chromium, Total	mg/L	33%	5	5	4	4	18	0.014 *	0.015 *	0.003 **	5	4	0	3	12	0.023 *	0.030 *	0.005 **
22_2_4_110	MW-12	Appendix IV	Cobalt	mg/L	28%	5	5	4	4	18	0.008 **	0.084	0.002 **	3	2	4	4	13	0.067	0.385	0.086
22_2_4_113	MW-12	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.773	0.849	0.884	5	5	4	4	18	0.773	0.849	0.884
22_2_4_115	MW-12	Appendix IV	Lead	mg/L	33%	5	5	4	4	18	0.874	0.975	0.953	2	3	4	3	12	0.870	0.660	0.880
22_2_4_116	MW-12	Appendix IV	Lithium	mg/L	6%	5	5	4	4	18	0.010 **	0.001 ***	0.001 ***	4	5	4	4	17	0.014 *	0.002 **	0.002 **
22_2_4_117	MW-12	Appendix IV	Mercury	ng/L	67%	5	5	4	4	18	0.946	0.970	0.997	1	2	1	2	6	0.733	0.866	0.881
22_2_4_118	MW-12	Appendix IV	Molybdenum	mg/L	0%	5	5	4	4	18	0.024 *	0.028 *	0.013 *	5	5	4	4	18	0.024 *	0.028 *	0.013 *
22_2_4_121	MW-12	Appendix IV	Radium 226 and 228	pCi/L	61%	5	5	4	4	18	0.942	0.703	0.812	0	4	1	2	7	0.852	0.899	0.952
22_2_4_122	MW-12	Appendix IV	Selenium	mg/L	0%	5	5	4	4	18	0.005 **	0.003 **	0.000 ***	5	5	4	4	18	0.005 **	0.003 **	0.000 ***
22_2_4_125	MW-12	Appendix IV	Thallium	mg/L	100%	5	5	4	4	18	NA	0.343	0.343	NA	NA	NA	NA	NA	NA	NA	NA
22_2_5_111	MW-12	Part 115	Copper	mg/L	0%	5	5	4	4	18	0.315	0.355	0.296	5	5	4	4	18	0.315	0.355	0.296
22_2_5_114	MW-12	Part 115	Iron	mg/L	33%	5	5	4	4	18	0.019 *	0.139	0.023 *	3	2	4	3	12	0.236	0.480	0.403
22_2_5_119	MW-12	Part 115	Nickel	mg/L	0%	5	5	4	4	18	0.032 *	0.103	0.037 *	5	5	4	4	18	0.032 *	0.103	0.037 *
22_2_5_123	MW-12	Part 115	Silver	mg/L	100%	5	5	4	4	18	NA	0.343	0.343	NA	NA	NA	NA	NA	NA	NA	NA
22_2_5_128	MW-12	Part 115	Vanadium	mg/L	33%	5	5	4	4	18	0.209	0.563	0.380	2	4	4	2	12	0.871	0.875	0.941
22_2_5_129	MW-12	Part 115	Zinc	mg/L	0%	5	5	4	4	18	0.155	0.307	0.251	5	5	4	4	18	0.155	0.307	0.251
26_1_3_105	MW-16	Appendix III	Boron	mg/L	0%	2	2	2	2	8	0.106	0.013 *	0.017 *	2	2	2	2	8	0.106	0.013 *	0.017 *
26_1_3_107	MW-16	Appendix III	Calcium	mg/L	0%	2	2	2	2	8	0.117	0.115	0.126	2	2	2	2	8	0.117	0.115	0.126
26_1_3_108	MW-16	Appendix III	Chloride (as Cl)	mg/L	0%	2	2	2	2	8	0.227	0.145	0.127	2	2	2	2	8	0.227	0.145	0.127
26_1_3_112	MW-16	Appendix III	Fluoride	mg/L	12%	2	2	2	2	8	0.998	0.877	0.748	2	2	2	1	7	0.657	0.802	0.824

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
26_1_3_120	MW-16	Appendix III	pH (field)	su	0%	2	2	2	2	8	0.100	0.007 **	0.008 **	2	2	2	2	8	0.100	0.007 **	0.008 **
26_1_3_124	MW-16	Appendix III	Sulfate (as SO4)	mg/L	25%	2	2	2	2	8	0.108	0.046 *	0.003 **	2	2	1	1	6	0.312	0.323	0.034 *
26_1_3_126	MW-16	Appendix III	Total Dissolved Solids	mg/L	0%	2	2	2	2	8	0.355	0.410	0.430	2	2	2	2	8	0.355	0.410	0.430
26_1_4_101	MW-16	Appendix IV	Antimony	mg/L	88%	2	2	2	2	8	0.392	0.479	0.479	0	0	0	1	1	NA	NA	NA
26_1_4_102	MW-16	Appendix IV	Arsenic	mg/L	0%	2	2	2	2	8	0.198	0.010 *	0.094	2	2	2	2	8	0.198	0.010 *	0.094
26_1_4_103	MW-16	Appendix IV	Barium	mg/L	0%	2	2	2	2	8	0.338	0.421	0.416	2	2	2	2	8	0.338	0.421	0.416
26_1_4_104	MW-16	Appendix IV	Beryllium	mg/L	88%	2	2	2	2	8	0.392	0.479	0.479	1	0	0	0	1	NA	NA	NA
26_1_4_106	MW-16	Appendix IV	Cadmium	mg/L	100%	2	2	2	2	8	NA	0.479	NA	NA	NA	NA	NA	NA	NA	NA	NA
26_1_4_109	MW-16	Appendix IV	Chromium, Total	mg/L	0%	2	2	2	2	8	0.104	0.105	0.042 *	2	2	2	2	8	0.104	0.105	0.042 *
26_1_4_110	MW-16	Appendix IV	Cobalt	mg/L	0%	2	2	2	2	8	0.367	0.519	0.525	2	2	2	2	8	0.367	0.519	0.525
26_1_4_113	MW-16	Appendix IV	Fluoride (App IV)	mg/L	12%	2	2	2	2	8	0.998	0.877	0.748	2	2	2	1	7	0.657	0.802	0.824
26_1_4_115	MW-16	Appendix IV	Lead	mg/L	62%	2	2	2	2	8	0.186	0.391	0.337	1	0	0	2	3	1.000	0.927	0.996
26_1_4_116	MW-16	Appendix IV	Lithium	mg/L	0%	2	2	2	2	8	0.101	0.026 *	0.038 *	2	2	2	2	8	0.101	0.026 *	0.038 *
26_1_4_117	MW-16	Appendix IV	Mercury	ng/L	75%	2	2	2	2	8	0.934	1.000	0.999	1	0	1	0	2	0.317	NA	NA
26_1_4_118	MW-16	Appendix IV	Molybdenum	mg/L	100%	2	2	2	2	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26_1_4_121	MW-16	Appendix IV	Radium 226 and 228	pCi/L	50%	2	2	2	2	8	0.212	0.298	0.262	0	2	1	1	4	0.259	0.486	0.524
26_1_4_122	MW-16	Appendix IV	Selenium	mg/L	12%	2	2	2	2	8	0.509	0.418	0.454	1	2	2	2	7	0.276	0.429	0.387
26_1_4_125	MW-16	Appendix IV	Thallium	mg/L	100%	2	2	2	2	8	NA	0.479	NA	NA	NA	NA	NA	NA	NA	NA	NA
26_1_5_111	MW-16	Part 115	Copper	mg/L	50%	2	2	2	2	8	0.161	0.124	0.146	2	1	0	1	4	0.259	0.397	0.356
26_1_5_114	MW-16	Part 115	Iron	mg/L	0%	2	2	2	2	8	0.183	0.080	0.300	2	2	2	2	8	0.183	0.080	0.300
26_1_5_119	MW-16	Part 115	Nickel	mg/L	12%	2	2	2	2	8	0.159	0.352	0.195	2	2	1	2	7	0.243	0.524	0.364
26_1_5_123	MW-16	Part 115	Silver	mg/L	100%	2	2	2	2	8	NA	0.479	0.479	NA	NA	NA	NA	NA	NA	NA	NA
26_1_5_128	MW-16	Part 115	Vanadium	mg/L	38%	2	2	2	2	8	0.114	0.241	0.215	1	0	2	2	5	0.301	0.355	0.219
26_1_5_129	MW-16	Part 115	Zinc	mg/L	25%	2	2	2	2	8	0.193	0.148	0.299	2	1	1	2	6	0.232	0.347	0.463
27_1_3_105	MW-17	Appendix III	Boron	mg/L	0%	2	2	2	2	8	0.212	0.127	0.154	2	2	2	2	8	0.212	0.127	0.154
27_1_3_107	MW-17	Appendix III	Calcium	mg/L	0%	2	2	2	2	8	0.488	0.476	0.450	2	2	2	2	8	0.488	0.476	0.450
27_1_3_108	MW-17	Appendix III	Chloride (as Cl)	mg/L	0%	2	2	2	2	8	0.649	0.427	0.425	2	2	2	2	8	0.649	0.427	0.425
27_1_3_112	MW-17	Appendix III	Fluoride	mg/L	0%	2	2	2	2	8	0.321	0.561	0.589	2	2	2	2	8	0.321	0.561	0.589
27_1_3_120	MW-17	Appendix III	pH (field)	su	0%	2	2	2	2	8	0.212	0.115	0.119	2	2	2	2	8	0.212	0.115	0.119
27_1_3_124	MW-17	Appendix III	Sulfate (as SO4)	mg/L	12%	2	2	2	2	8	0.367	0.190	0.429	2	2	2	1	7	0.426	0.340	0.581
27_1_3_126	MW-17	Appendix III	Total Dissolved Solids	mg/L	0%	2	2	2	2	8	0.380	0.476	0.476	2	2	2	2	8	0.380	0.476	0.476
27_1_4_101	MW-17	Appendix IV	Antimony	mg/L	75%	2	2	2	2	8	0.502	0.489	0.520	1	0	1	0	2	0.317	NA	NA
27_1_4_102	MW-17	Appendix IV	Arsenic	mg/L	0%	2	2	2	2	8	0.129	0.032 *	0.036 *	2	2	2	2	8	0.129	0.032 *	0.036 *
27_1_4_103	MW-17	Appendix IV	Barium	mg/L	0%	2	2	2	2	8	0.392	0.365	0.319	2	2	2	2	8	0.392	0.365	0.319
27_1_4_104	MW-17	Appendix IV	Beryllium	mg/L	88%	2	2	2	2	8	0.392	0.479	0.479	1	0	0	0	1	NA	NA	NA
27_1_4_106	MW-17	Appendix IV	Cadmium	mg/L	88%	2	2	2	2	8	0.392	0.479	0.479	1	0	0	0	1	NA	NA	NA
27_1_4_109	MW-17	Appendix IV	Chromium, Total	mg/L	0%	2	2	2	2	8	0.761	0.607	0.695	2	2	2	2	8	0.761	0.607	0.695
27_1_4_110	MW-17	Appendix IV	Cobalt	mg/L	0%	2	2	2	2	8	0.208	0.268	0.223	2	2	2	2	8	0.208	0.268	0.223
27_1_4_113	MW-17	Appendix IV	Fluoride (App IV)	mg/L	0%	2	2	2	2	8	0.321	0.561	0.589	2	2	2	2	8	0.321	0.561	0.589

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
27_1_4_115	MW-17	Appendix IV	Lead	mg/L	12%	2	2	2	2	8	0.139	0.130	0.170	2	2	2	1	7	0.212	0.288	0.389
27_1_4_116	MW-17	Appendix IV	Lithium	mg/L	0%	2	2	2	2	8	0.208	0.185	0.205	2	2	2	2	8	0.208	0.185	0.205
27_1_4_117	MW-17	Appendix IV	Mercury	ng/L	75%	2	2	2	2	8	0.934	1.000	0.986	1	0	1	0	2	0.317	NA	NA
27_1_4_118	MW-17	Appendix IV	Molybdenum	mg/L	0%	2	2	2	2	8	0.244	0.499	0.497	2	2	2	2	8	0.244	0.499	0.497
27_1_4_121	MW-17	Appendix IV	Radium 226 and 228	pCi/L	25%	2	2	2	2	8	0.841	0.931	0.944	1	2	1	2	6	0.463	0.836	0.800
27_1_4_122	MW-17	Appendix IV	Selenium	mg/L	0%	2	2	2	2	8	0.727	0.544	0.730	2	2	2	2	8	0.727	0.544	0.730
27_1_4_125	MW-17	Appendix IV	Thallium	mg/L	100%	2	2	2	2	8	NA	0.479	NA	NA	NA	NA	NA	NA	NA	NA	NA
27_1_5_111	MW-17	Part 115	Copper	mg/L	12%	2	2	2	2	8	0.321	0.427	0.294	2	2	2	1	7	0.587	0.591	0.570
27_1_5_114	MW-17	Part 115	Iron	mg/L	0%	2	2	2	2	8	0.212	0.256	0.314	2	2	2	2	8	0.212	0.256	0.314
27_1_5_119	MW-17	Part 115	Nickel	mg/L	0%	2	2	2	2	8	0.829	0.517	0.600	2	2	2	2	8	0.829	0.517	0.600
27_1_5_123	MW-17	Part 115	Silver	mg/L	100%	2	2	2	2	8	NA	0.479	0.479	NA	NA	NA	NA	NA	NA	NA	NA
27_1_5_128	MW-17	Part 115	Vanadium	mg/L	0%	2	2	2	2	8	0.841	0.832	0.859	2	2	2	2	8	0.841	0.832	0.859
27_1_5_129	MW-17	Part 115	Zinc	mg/L	0%	2	2	2	2	8	0.261	0.048 *	0.186	2	2	2	2	8	0.261	0.048 *	0.186
28_1_3_105	MW-18	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.726	0.816	0.777	5	5	4	4	18	0.726	0.816	0.777
28_1_3_107	MW-18	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.047 *	0.037 *	0.035 *	5	5	4	4	18	0.047 *	0.037 *	0.035 *
28_1_3_108	MW-18	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.036 *	0.041 *	0.050 *	5	5	4	4	18	0.036 *	0.041 *	0.050 *
28_1_3_112	MW-18	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.013 *	0.001 ***	0.002 **	5	5	4	4	18	0.013 *	0.001 ***	0.002 **
28_1_3_120	MW-18	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.414	0.379	0.383	5	5	4	4	18	0.414	0.379	0.383
28_1_3_124	MW-18	Appendix III	Sulfate (as SO4)	mg/L	0%	5	5	4	4	18	0.573	0.523	0.683	5	5	4	4	18	0.573	0.523	0.683
28_1_3_126	MW-18	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.432	0.617	0.738	5	5	4	4	18	0.432	0.617	0.738
28_1_4_101	MW-18	Appendix IV	Antimony	mg/L	17%	5	5	4	4	18	0.022 *	0.488	0.166	4	4	3	4	15	0.057	0.627	0.413
28_1_4_102	MW-18	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.006 **	0.002 **	0.003 **	5	5	4	4	18	0.006 **	0.002 **	0.003 **
28_1_4_103	MW-18	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.024 *	0.007 **	0.005 **	5	5	4	4	18	0.024 *	0.007 **	0.005 **
28_1_4_104	MW-18	Appendix IV	Beryllium	mg/L	78%	5	5	4	4	18	0.591	0.714	0.715	2	1	0	1	4	0.861	0.814	0.814
28_1_4_106	MW-18	Appendix IV	Cadmium	mg/L	39%	5	5	4	4	18	0.383	0.572	0.468	3	4	2	2	11	0.519	0.499	0.596
28_1_4_109	MW-18	Appendix IV	Chromium, Total	mg/L	89%	5	5	4	4	18	0.722	0.436	0.428	0	2	0	0	2	NA	NA	NA
28_1_4_110	MW-18	Appendix IV	Cobalt	mg/L	0%	5	5	4	4	18	0.462	0.534	0.502	5	5	4	4	18	0.462	0.534	0.502
28_1_4_113	MW-18	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.013 *	0.001 ***	0.002 **	5	5	4	4	18	0.013 *	0.001 ***	0.002 **
28_1_4_115	MW-18	Appendix IV	Lead	mg/L	61%	5	5	4	4	18	0.918	0.548	0.860	0	0	4	3	7	0.285	0.522	0.509
28_1_4_116	MW-18	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.011 *	0.001 **	0.003 **	5	5	4	4	18	0.011 *	0.001 **	0.003 **
28_1_4_117	MW-18	Appendix IV	Mercury	ng/L	83%	5	5	4	4	18	0.995	0.997	0.997	1	0	1	1	3	0.368	NA	NA
28_1_4_118	MW-18	Appendix IV	Molybdenum	mg/L	0%	5	5	4	4	18	0.021 *	0.005 **	0.005 **	5	5	4	4	18	0.021 *	0.005 **	0.005 **
28_1_4_121	MW-18	Appendix IV	Radium 226 and 228	pCi/L	56%	5	5	4	4	18	0.457	0.645	0.635	1	2	2	3	8	0.997	0.836	0.941
28_1_4_122	MW-18	Appendix IV	Selenium	mg/L	0%	5	5	4	4	18	0.113	0.296	0.066	5	5	4	4	18	0.113	0.296	0.066
28_1_4_125	MW-18	Appendix IV	Thallium	mg/L	94%	5	5	4	4	18	0.541	0.440	0.497	0	0	0	1	1	NA	NA	NA
28_1_5_111	MW-18	Part 115	Copper	mg/L	0%	5	5	4	4	18	0.098	0.105	0.087	5	5	4	4	18	0.098	0.105	0.087
28_1_5_114	MW-18	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.264	0.291	0.412	5	5	4	4	18	0.264	0.291	0.412
28_1_5_119	MW-18	Part 115	Nickel	mg/L	0%	5	5	4	4	18	0.192	0.231	0.188	5	5	4	4	18	0.192	0.231	0.188
28_1_5_123	MW-18	Part 115	Silver	mg/L	100%	5	5	4	4	18	0.334	0.357	0.357	NA	NA	NA	NA	NA	NA	NA	NA

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
28_1_5_128	MW-18	Part 115	Vanadium	mg/L	94%	5	5	4	4	18	0.719	0.753	0.749	0	0	0	1	1	NA	NA	NA
28_1_5_129	MW-18	Part 115	Zinc	mg/L	0%	5	5	4	4	18	0.140	0.228	0.071	5	5	4	4	18	0.140	0.228	0.071
29_1_3_105	MW-19	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.004 **	0.000 ***	0.000 ***	5	5	4	4	18	0.004 **	0.000 ***	0.000 ***
29_1_3_107	MW-19	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.362	0.597	0.634	5	5	4	4	18	0.362	0.597	0.634
29_1_3_108	MW-19	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.443	0.406	0.453	5	5	4	4	18	0.443	0.406	0.453
29_1_3_112	MW-19	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.081	0.107	0.099	5	5	4	4	18	0.081	0.107	0.099
29_1_3_120	MW-19	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.217	0.188	0.184	5	5	4	4	18	0.217	0.188	0.184
29_1_3_124	MW-19	Appendix III	Sulfate (as SO4)	mg/L	0%	5	5	4	4	18	0.283	0.435	0.421	5	5	4	4	18	0.283	0.435	0.421
29_1_3_126	MW-19	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.621	0.657	0.685	5	5	4	4	18	0.621	0.657	0.685
29_1_4_101	MW-19	Appendix IV	Antimony	mg/L	67%	5	5	4	4	18	0.386	0.240	0.352	2	2	1	1	6	0.463	0.694	0.474
29_1_4_102	MW-19	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.257	0.203	0.385	5	5	4	4	18	0.257	0.203	0.385
29_1_4_103	MW-19	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.115	0.134	0.127	5	5	4	4	18	0.115	0.134	0.127
29_1_4_104	MW-19	Appendix IV	Beryllium	mg/L	17%	5	5	4	4	18	0.838	0.628	0.751	4	5	4	2	15	0.361	0.343	0.353
29_1_4_106	MW-19	Appendix IV	Cadmium	mg/L	89%	5	5	4	4	18	0.771	0.629	0.787	1	0	0	1	2	0.317	NA	NA
29_1_4_109	MW-19	Appendix IV	Chromium, Total	mg/L	28%	5	5	4	4	18	0.762	0.460	0.670	3	3	4	3	13	0.767	0.916	0.967
29_1_4_110	MW-19	Appendix IV	Cobalt	mg/L	6%	5	5	4	4	18	0.204	0.325	0.173	5	5	3	4	17	0.380	0.549	0.370
29_1_4_113	MW-19	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.081	0.107	0.099	5	5	4	4	18	0.081	0.107	0.099
29_1_4_115	MW-19	Appendix IV	Lead	mg/L	100%	5	5	4	4	18	0.781	0.544	0.784	NA	NA	NA	NA	NA	NA	NA	NA
29_1_4_116	MW-19	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.750	0.931	0.880	5	5	4	4	18	0.750	0.931	0.880
29_1_4_117	MW-19	Appendix IV	Mercury	ng/L	89%	5	5	4	4	18	0.992	0.997	0.998	1	0	1	0	2	0.317	NA	NA
29_1_4_118	MW-19	Appendix IV	Molybdenum	mg/L	0%	5	5	4	4	18	0.470	0.711	0.751	5	5	4	4	18	0.470	0.711	0.751
29_1_4_121	MW-19	Appendix IV	Radium 226 and 228	pCi/L	44%	5	5	4	4	18	0.736	0.836	0.799	4	4	2	0	10	0.782	0.711	0.754
29_1_4_122	MW-19	Appendix IV	Selenium	mg/L	61%	5	5	4	4	18	0.095	0.293	0.154	3	1	1	2	7	0.500	0.879	0.898
29_1_4_125	MW-19	Appendix IV	Thallium	mg/L	94%	5	5	4	4	18	0.902	0.842	0.876	0	0	0	1	1	NA	NA	NA
29_1_5_111	MW-19	Part 115	Copper	mg/L	78%	5	5	4	4	18	0.669	0.581	0.557	0	1	2	1	4	0.259	0.229	0.182
29_1_5_114	MW-19	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.444	0.692	0.836	5	5	4	4	18	0.444	0.692	0.836
29_1_5_119	MW-19	Part 115	Nickel	mg/L	6%	5	5	4	4	18	0.703	0.555	0.701	4	5	4	4	17	0.797	0.589	0.719
29_1_5_123	MW-19	Part 115	Silver	mg/L	100%	5	5	4	4	18	0.274	0.289	0.289	NA	NA	NA	NA	NA	NA	NA	NA
29_1_5_128	MW-19	Part 115	Vanadium	mg/L	78%	5	5	4	4	18	0.544	0.537	0.570	1	1	1	1	4	0.392	NA	NA
29_1_5_129	MW-19	Part 115	Zinc	mg/L	56%	5	5	4	4	18	0.326	0.532	0.414	2	2	1	3	8	0.330	0.806	0.742
30_1_3_105	MW-20	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.005 **	0.000 ***	0.000 ***	5	5	4	4	18	0.005 **	0.000 ***	0.000 ***
30_1_3_107	MW-20	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.468	0.369	0.321	5	5	4	4	18	0.468	0.369	0.321
30_1_3_108	MW-20	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.292	0.328	0.406	5	5	4	4	18	0.292	0.328	0.406
30_1_3_112	MW-20	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.947	0.891	0.994	5	5	4	4	18	0.947	0.891	0.994
30_1_3_120	MW-20	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.098	0.074	0.076	5	5	4	4	18	0.098	0.074	0.076
30_1_3_124	MW-20	Appendix III	Sulfate (as SO4)	mg/L	0%	5	5	4	4	18	0.058	0.059	0.019 *	5	5	4	4	18	0.058	0.059	0.019 *
30_1_3_126	MW-20	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.207	0.188	0.246	5	5	4	4	18	0.207	0.188	0.246
30_1_4_101	MW-20	Appendix IV	Antimony	mg/L	39%	5	5	4	4	18	0.520	0.324	0.278	3	2	3	3	11	0.567	0.488	0.413
30_1_4_102	MW-20	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.004 **	0.000 ***	0.000 ***	5	5	4	4	18	0.004 **	0.000 ***	0.000 ***

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full									Without Non-Detects								
						Sample Size					p-Value				Sample Size					p-Value			
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis		ANOVA		Log ANOVA		Winter	Spring	Summer	Fall	Total	Kruskal-Wallis		ANOVA		Log ANOVA	
30_1_4_103	MW-20	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.027	*	0.017	*	0.019	*	5	5	4	4	18	0.027	*	0.017	*	0.019	*
30_1_4_104	MW-20	Appendix IV	Beryllium	mg/L	94%	5	5	4	4	18	0.457		0.493		0.493		1	0	0	0	1	NA		NA		NA	
30_1_4_106	MW-20	Appendix IV	Cadmium	mg/L	94%	5	5	4	4	18	0.515		0.374		0.478		0	0	0	1	1	NA		NA		NA	
30_1_4_109	MW-20	Appendix IV	Chromium, Total	mg/L	50%	5	5	4	4	18	0.487		0.495		0.496		3	3	1	2	9	0.332		0.660		0.631	
30_1_4_110	MW-20	Appendix IV	Cobalt	mg/L	0%	5	5	4	4	18	0.822		0.828		0.853		5	5	4	4	18	0.822		0.828		0.853	
30_1_4_113	MW-20	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.947		0.891		0.994		5	5	4	4	18	0.947		0.891		0.994	
30_1_4_115	MW-20	Appendix IV	Lead	mg/L	0%	5	5	4	4	18	0.195		0.333		0.273		5	5	4	4	18	0.195		0.333		0.273	
30_1_4_116	MW-20	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.043	*	0.015	*	0.020	*	5	5	4	4	18	0.043	*	0.015	*	0.020	*
30_1_4_117	MW-20	Appendix IV	Mercury	ng/L	78%	5	5	4	4	18	0.979		0.995		0.961		1	1	1	1	4	0.392		NA		NA	
30_1_4_118	MW-20	Appendix IV	Molybdenum	mg/L	0%	5	5	4	4	18	0.138		0.125		0.116		5	5	4	4	18	0.138		0.125		0.116	
30_1_4_121	MW-20	Appendix IV	Radium 226 and 228	pCi/L	47%	4	5	4	4	17	0.513		0.301		0.377		2	3	2	2	9	0.902		0.684		0.787	
30_1_4_122	MW-20	Appendix IV	Selenium	mg/L	56%	5	5	4	4	18	0.285		0.350		0.318		2	2	2	2	8	0.514		0.617		0.670	
30_1_4_125	MW-20	Appendix IV	Thallium	mg/L	94%	5	5	4	4	18	0.457		0.493		0.493		1	0	0	0	1	NA		NA		NA	
30_1_5_111	MW-20	Part 115	Copper	mg/L	11%	5	5	4	4	18	0.130		0.214		0.128		4	4	4	4	16	0.260		0.310		0.242	
30_1_5_114	MW-20	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.307		0.480		0.589		5	5	4	4	18	0.307		0.480		0.589	
30_1_5_119	MW-20	Part 115	Nickel	mg/L	0%	5	5	4	4	18	0.969		0.470		0.628		5	5	4	4	18	0.969		0.470		0.628	
30_1_5_123	MW-20	Part 115	Silver	mg/L	100%	5	5	4	4	18	NA		0.343		0.343		NA	NA	NA	NA	NA	NA		NA		NA	
30_1_5_128	MW-20	Part 115	Vanadium	mg/L	100%	5	5	4	4	18	0.715		0.751		0.751		NA	NA	NA	NA	NA	NA		NA		NA	
30_1_5_129	MW-20	Part 115	Zinc	mg/L	0%	5	5	4	4	18	0.256		0.068		0.115		5	5	4	4	18	0.256		0.068		0.115	
38_1_3_105	MW-28	Appendix III	Boron	mg/L	0%	2	2	2	2	8	0.112		0.032	*	0.209		2	2	2	2	8	0.112		0.032	*	0.209	
38_1_3_107	MW-28	Appendix III	Calcium	mg/L	0%	2	2	2	2	8	0.907		0.972		0.969		2	2	2	2	8	0.907		0.972		0.969	
38_1_3_108	MW-28	Appendix III	Chloride (as Cl)	mg/L	0%	2	2	2	2	8	0.976		0.912		0.806		2	2	2	2	8	0.976		0.912		0.806	
38_1_3_112	MW-28	Appendix III	Fluoride	mg/L	0%	2	2	2	2	8	0.132		0.070		0.115		2	2	2	2	8	0.132		0.070		0.115	
38_1_3_120	MW-28	Appendix III	pH (field)	su	0%	2	2	2	2	8	0.212		0.320		0.323		2	2	2	2	8	0.212		0.320		0.323	
38_1_3_124	MW-28	Appendix III	Sulfate (as SO4)	mg/L	25%	2	2	2	2	8	0.139		0.125		0.012	*	2	2	1	1	6	0.312		0.475		0.091	
38_1_3_126	MW-28	Appendix III	Total Dissolved Solids	mg/L	0%	2	2	2	2	8	0.908		0.973		0.948		2	2	2	2	8	0.908		0.973		0.948	
38_1_4_101	MW-28	Appendix IV	Antimony	mg/L	0%	2	2	2	2	8	0.112		0.154		0.022	*	2	2	2	2	8	0.112		0.154		0.022	*
38_1_4_102	MW-28	Appendix IV	Arsenic	mg/L	0%	2	2	2	2	8	0.684		0.569		0.644		2	2	2	2	8	0.684		0.569		0.644	
38_1_4_103	MW-28	Appendix IV	Barium	mg/L	0%	2	2	2	2	8	0.259		0.329		0.447		2	2	2	2	8	0.259		0.329		0.447	
38_1_4_104	MW-28	Appendix IV	Beryllium	mg/L	100%	2	2	2	2	8	NA		0.479		0.479		NA	NA	NA	NA	NA	NA		NA		NA	
38_1_4_106	MW-28	Appendix IV	Cadmium	mg/L	62%	2	2	2	2	8	0.116		0.473		0.415		2	1	0	0	3	0.221		0.665		0.648	
38_1_4_109	MW-28	Appendix IV	Chromium, Total	mg/L	0%	2	2	2	2	8	0.367		0.590		0.494		2	2	2	2	8	0.367		0.590		0.494	
38_1_4_110	MW-28	Appendix IV	Cobalt	mg/L	0%	2	2	2	2	8	0.160		0.283		0.160		2	2	2	2	8	0.160		0.283		0.160	
38_1_4_113	MW-28	Appendix IV	Fluoride (App IV)	mg/L	0%	2	2	2	2	8	0.132		0.070		0.115		2	2	2	2	8	0.132		0.070		0.115	
38_1_4_115	MW-28	Appendix IV	Lead	mg/L	0%	2	2	2	2	8	0.104		0.040	*	0.047	*	2	2	2	2	8	0.104		0.040	*	0.047	*
38_1_4_116	MW-28	Appendix IV	Lithium	mg/L	0%	2	2	2	2	8	0.142		0.064		0.318		2	2	2	2	8	0.142		0.064		0.318	
38_1_4_117	MW-28	Appendix IV	Mercury	ng/L	38%	2	2	2	2	8	0.831		0.981		0.883		1	2	1	1	5	0.362		0.895		0.646	
38_1_4_118	MW-28	Appendix IV	Molybdenum	mg/L	0%	2	2	2	2	8	0.300		0.432		0.342		2	2	2	2	8	0.300		0.432		0.342	
38_1_4_122	MW-28	Appendix IV	Selenium	mg/L	0%	2	2	2	2	8	0.204		0.468		0.442		2	2	2	2	8	0.204		0.468		0.442	

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
38_1_4_125	MW-28	Appendix IV	Thallium	mg/L	100%	2	2	2	2	8	NA	0.479	NA	NA	NA	NA	NA	NA	NA	NA	NA
38_1_5_111	MW-28	Part 115	Copper	mg/L	12%	2	2	2	2	8	0.160	0.386	0.151	2	2	2	1	7	0.290	0.534	0.348
38_1_5_114	MW-28	Part 115	Iron	mg/L	0%	2	2	2	2	8	0.355	0.517	0.527	2	2	2	2	8	0.355	0.517	0.527
38_1_5_119	MW-28	Part 115	Nickel	mg/L	0%	2	2	2	2	8	0.142	0.061	0.116	2	2	2	2	8	0.142	0.061	0.116
38_1_5_123	MW-28	Part 115	Silver	mg/L	100%	2	2	2	2	8	NA	0.479	0.479	NA	NA	NA	NA	NA	NA	NA	NA
38_1_5_128	MW-28	Part 115	Vanadium	mg/L	25%	2	2	2	2	8	0.562	0.765	0.776	1	1	2	2	6	0.759	0.923	0.919
38_1_5_129	MW-28	Part 115	Zinc	mg/L	0%	2	2	2	2	8	0.280	0.288	0.388	2	2	2	2	8	0.280	0.288	0.388
40_1_3_105	MW-30	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.874	0.817	0.877	5	5	4	4	18	0.874	0.817	0.877
40_1_3_107	MW-30	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.278	0.183	0.167	5	5	4	4	18	0.278	0.183	0.167
40_1_3_108	MW-30	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.595	0.908	0.758	5	5	4	4	18	0.595	0.908	0.758
40_1_3_112	MW-30	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.676	0.771	0.686	5	5	4	4	18	0.676	0.771	0.686
40_1_3_120	MW-30	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.572	0.485	0.484	5	5	4	4	18	0.572	0.485	0.484
40_1_3_124	MW-30	Appendix III	Sulfate (as SO4)	mg/L	0%	5	5	4	4	18	0.024 *	0.003 **	0.003 **	5	5	4	4	18	0.024 *	0.003 **	0.003 **
40_1_3_126	MW-30	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.498	0.779	0.750	5	5	4	4	18	0.498	0.779	0.750
40_1_4_101	MW-30	Appendix IV	Antimony	mg/L	78%	5	5	4	4	18	0.761	0.771	0.755	2	1	0	1	4	0.259	0.193	0.257
40_1_4_102	MW-30	Appendix IV	Arsenic	mg/L	11%	5	5	4	4	18	0.323	0.488	0.420	4	4	4	4	16	0.518	0.584	0.623
40_1_4_103	MW-30	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.013 *	0.002 **	0.002 **	5	5	4	4	18	0.013 *	0.002 **	0.002 **
40_1_4_104	MW-30	Appendix IV	Beryllium	mg/L	78%	5	5	4	4	18	0.048 *	0.055	0.037 *	2	0	1	1	4	0.861	0.923	0.949
40_1_4_106	MW-30	Appendix IV	Cadmium	mg/L	94%	5	5	4	4	18	0.697	0.534	0.734	0	0	0	1	1	NA	NA	NA
40_1_4_109	MW-30	Appendix IV	Chromium, Total	mg/L	0%	5	5	4	4	18	0.042 *	0.033 *	0.030 *	5	5	4	4	18	0.042 *	0.033 *	0.030 *
40_1_4_110	MW-30	Appendix IV	Cobalt	mg/L	0%	5	5	4	4	18	0.041 *	0.333	0.050 *	5	5	4	4	18	0.041 *	0.333	0.050 *
40_1_4_113	MW-30	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.676	0.771	0.686	5	5	4	4	18	0.676	0.771	0.686
40_1_4_115	MW-30	Appendix IV	Lead	mg/L	89%	5	5	4	4	18	0.986	0.338	0.760	0	0	0	2	2	NA	NA	NA
40_1_4_116	MW-30	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.601	0.532	0.532	5	5	4	4	18	0.601	0.532	0.532
40_1_4_117	MW-30	Appendix IV	Mercury	ng/L	89%	5	5	4	4	18	0.897	0.806	0.992	1	1	0	0	2	0.317	NA	NA
40_1_4_118	MW-30	Appendix IV	Molybdenum	mg/L	17%	5	5	4	4	18	0.373	0.572	0.650	4	4	4	3	15	0.682	0.472	0.698
40_1_4_121	MW-30	Appendix IV	Radium 226 and 228	pCi/L	56%	5	5	4	4	18	0.603	0.461	0.466	3	1	4	0	8	0.213	0.168	0.162
40_1_4_122	MW-30	Appendix IV	Selenium	mg/L	39%	5	5	4	4	18	0.038 *	0.271	0.057	2	2	4	3	11	0.148	0.459	0.268
40_1_4_125	MW-30	Appendix IV	Thallium	mg/L	100%	5	5	4	4	18	0.150	0.143	0.143	NA	NA	NA	NA	NA	NA	NA	NA
40_1_5_111	MW-30	Part 115	Copper	mg/L	67%	5	5	4	4	18	0.087	0.345	0.232	2	2	0	2	6	0.156	0.441	0.275
40_1_5_114	MW-30	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.012 *	0.051	0.004 **	5	5	4	4	18	0.012 *	0.051	0.004 **
40_1_5_119	MW-30	Part 115	Nickel	mg/L	17%	5	5	4	4	18	0.135	0.436	0.160	4	5	4	2	15	0.277	0.424	0.228
40_1_5_123	MW-30	Part 115	Silver	mg/L	94%	5	5	4	4	18	0.234	0.168	0.209	0	0	0	1	1	NA	NA	NA
40_1_5_128	MW-30	Part 115	Vanadium	mg/L	83%	5	5	4	4	18	0.546	0.385	0.442	1	0	1	1	3	0.368	NA	NA
40_1_5_129	MW-30	Part 115	Zinc	mg/L	56%	5	5	4	4	18	0.088	0.165	0.139	2	2	1	3	8	0.121	0.009 **	0.035 *
41_1_3_105	MW-31	Appendix III	Boron	mg/L	0%	6	5	4	3	18	0.025 *	0.029 *	0.021 *	6	5	4	3	18	0.025 *	0.029 *	0.021 *
41_1_3_107	MW-31	Appendix III	Calcium	mg/L	0%	6	5	4	3	18	0.062	0.271	0.161	6	5	4	3	18	0.062	0.271	0.161
41_1_3_108	MW-31	Appendix III	Chloride (as Cl)	mg/L	0%	6	5	4	3	18	0.027 *	0.166	0.114	6	5	4	3	18	0.027 *	0.166	0.114
41_1_3_112	MW-31	Appendix III	Fluoride	mg/L	0%	6	5	4	3	18	0.262	0.342	0.387	6	5	4	3	18	0.262	0.342	0.387

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
41_1_3_120	MW-31	Appendix III	pH (field)	su	0%	6	5	4	3	18	0.950	0.934	0.934	6	5	4	3	18	0.950	0.934	0.934
41_1_3_124	MW-31	Appendix III	Sulfate (as SO4)	mg/L	0%	6	5	4	3	18	0.014 *	0.110	0.002 **	6	5	4	3	18	0.014 *	0.110	0.002 **
41_1_3_126	MW-31	Appendix III	Total Dissolved Solids	mg/L	0%	6	5	4	3	18	0.140	0.485	0.426	6	5	4	3	18	0.140	0.485	0.426
41_1_4_101	MW-31	Appendix IV	Antimony	mg/L	39%	6	5	4	3	18	0.498	0.567	0.531	4	2	3	2	11	0.765	0.744	0.696
41_1_4_102	MW-31	Appendix IV	Arsenic	mg/L	0%	6	5	4	3	18	0.150	0.574	0.407	6	5	4	3	18	0.150	0.574	0.407
41_1_4_103	MW-31	Appendix IV	Barium	mg/L	0%	6	5	4	3	18	0.018 *	0.010 **	0.006 **	6	5	4	3	18	0.018 *	0.010 **	0.006 **
41_1_4_104	MW-31	Appendix IV	Beryllium	mg/L	83%	6	5	4	3	18	0.333	0.429	0.436	2	0	0	1	3	0.221	0.582	0.601
41_1_4_106	MW-31	Appendix IV	Cadmium	mg/L	94%	6	5	4	3	18	0.502	0.312	0.284	1	0	0	0	1	NA	NA	NA
41_1_4_109	MW-31	Appendix IV	Chromium, Total	mg/L	0%	6	5	4	3	18	0.178	0.108	0.142	6	5	4	3	18	0.178	0.108	0.142
41_1_4_110	MW-31	Appendix IV	Cobalt	mg/L	17%	6	5	4	3	18	0.606	0.572	0.515	5	3	4	3	15	0.644	0.583	0.512
41_1_4_113	MW-31	Appendix IV	Fluoride (App IV)	mg/L	0%	6	5	4	3	18	0.262	0.342	0.387	6	5	4	3	18	0.262	0.342	0.387
41_1_4_115	MW-31	Appendix IV	Lead	mg/L	72%	6	5	4	3	18	0.996	0.947	0.967	1	1	2	1	5	0.261	0.000 ***	0.000 ***
41_1_4_116	MW-31	Appendix IV	Lithium	mg/L	0%	6	5	4	3	18	0.292	0.323	0.270	6	5	4	3	18	0.292	0.323	0.270
41_1_4_117	MW-31	Appendix IV	Mercury	ng/L	78%	6	5	4	3	18	0.919	0.962	0.949	1	1	1	1	4	0.392	NA	NA
41_1_4_118	MW-31	Appendix IV	Molybdenum	mg/L	0%	6	5	4	3	18	0.112	0.623	0.262	6	5	4	3	18	0.112	0.623	0.262
41_1_4_121	MW-31	Appendix IV	Radium 226 and 228	pCi/L	44%	6	5	4	3	18	0.999	0.984	0.992	3	3	4	0	10	0.943	0.923	0.963
41_1_4_122	MW-31	Appendix IV	Selenium	mg/L	33%	6	5	4	3	18	0.386	0.596	0.324	2	3	4	3	12	0.095	0.147	0.013 *
41_1_4_125	MW-31	Appendix IV	Thallium	mg/L	94%	6	5	4	3	18	0.572	0.612	0.612	1	0	0	0	1	NA	NA	NA
41_1_5_111	MW-31	Part 115	Copper	mg/L	56%	6	5	4	3	18	0.743	0.694	0.704	2	2	2	2	8	0.919	0.624	0.748
41_1_5_114	MW-31	Part 115	Iron	mg/L	0%	6	5	4	3	18	0.244	0.214	0.276	6	5	4	3	18	0.244	0.214	0.276
41_1_5_119	MW-31	Part 115	Nickel	mg/L	56%	6	5	4	3	18	0.436	0.722	0.563	3	1	2	2	8	0.480	0.844	0.814
41_1_5_123	MW-31	Part 115	Silver	mg/L	100%	6	5	4	3	18	NA	0.612	0.612	NA	NA	NA	NA	NA	NA	NA	NA
41_1_5_128	MW-31	Part 115	Vanadium	mg/L	67%	6	5	4	3	18	0.929	0.390	0.372	1	1	2	2	6	0.543	0.673	0.665
41_1_5_129	MW-31	Part 115	Zinc	mg/L	50%	6	5	4	3	18	0.670	0.388	0.454	3	3	1	2	9	0.295	0.298	0.261
42_1_3_105	MW-32	Appendix III	Boron	mg/L	0%	5	5	4	4	18	0.009 **	0.000 ***	0.000 ***	5	5	4	4	18	0.009 **	0.000 ***	0.000 ***
42_1_3_107	MW-32	Appendix III	Calcium	mg/L	0%	5	5	4	4	18	0.022 *	0.017 *	0.009 **	5	5	4	4	18	0.022 *	0.017 *	0.009 **
42_1_3_108	MW-32	Appendix III	Chloride (as Cl)	mg/L	0%	5	5	4	4	18	0.285	0.258	0.268	5	5	4	4	18	0.285	0.258	0.268
42_1_3_112	MW-32	Appendix III	Fluoride	mg/L	0%	5	5	4	4	18	0.331	0.256	0.273	5	5	4	4	18	0.331	0.256	0.273
42_1_3_120	MW-32	Appendix III	pH (field)	su	0%	5	5	4	4	18	0.487	0.460	0.462	5	5	4	4	18	0.487	0.460	0.462
42_1_3_124	MW-32	Appendix III	Sulfate (as SO4)	mg/L	0%	5	5	4	4	18	0.010 **	0.008 **	0.002 **	5	5	4	4	18	0.010 **	0.008 **	0.002 **
42_1_3_126	MW-32	Appendix III	Total Dissolved Solids	mg/L	0%	5	5	4	4	18	0.017 *	0.005 **	0.003 **	5	5	4	4	18	0.017 *	0.005 **	0.003 **
42_1_4_101	MW-32	Appendix IV	Antimony	mg/L	78%	5	5	4	4	18	0.825	0.656	0.962	1	2	0	1	4	0.259	0.091	0.249
42_1_4_102	MW-32	Appendix IV	Arsenic	mg/L	0%	5	5	4	4	18	0.098	0.677	0.773	5	5	4	4	18	0.098	0.677	0.773
42_1_4_103	MW-32	Appendix IV	Barium	mg/L	0%	5	5	4	4	18	0.103	0.078	0.234	5	5	4	4	18	0.103	0.078	0.234
42_1_4_104	MW-32	Appendix IV	Beryllium	mg/L	94%	5	5	4	4	18	0.457	0.493	0.493	1	0	0	0	1	NA	NA	NA
42_1_4_106	MW-32	Appendix IV	Cadmium	mg/L	89%	5	5	4	4	18	0.722	0.427	0.713	2	0	0	0	2	NA	NA	NA
42_1_4_109	MW-32	Appendix IV	Chromium, Total	mg/L	0%	5	5	4	4	18	0.128	0.359	0.213	5	5	4	4	18	0.128	0.359	0.213
42_1_4_110	MW-32	Appendix IV	Cobalt	mg/L	0%	5	5	4	4	18	0.085	0.498	0.325	5	5	4	4	18	0.085	0.498	0.325
42_1_4_113	MW-32	Appendix IV	Fluoride (App IV)	mg/L	0%	5	5	4	4	18	0.331	0.256	0.273	5	5	4	4	18	0.331	0.256	0.273

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
42_1_4_115	MW-32	Appendix IV	Lead	mg/L	72%	5	5	4	4	18	0.965	0.872	0.915	1	1	2	1	5	0.362	0.717	0.703
42_1_4_116	MW-32	Appendix IV	Lithium	mg/L	0%	5	5	4	4	18	0.003 **	0.000 ***	0.000 ***	5	5	4	4	18	0.003 **	0.000 ***	0.000 ***
42_1_4_117	MW-32	Appendix IV	Mercury	ng/L	78%	5	5	4	4	18	0.956	0.513	0.995	1	1	1	1	4	0.392	NA	NA
42_1_4_118	MW-32	Appendix IV	Molybdenum	mg/L	0%	5	5	4	4	18	0.697	0.946	0.966	5	5	4	4	18	0.697	0.946	0.966
42_1_4_121	MW-32	Appendix IV	Radium 226 and 228	pCi/L	50%	5	5	4	4	18	0.174	0.175	0.172	2	2	2	3	9	0.112	0.020 *	0.025 *
42_1_4_122	MW-32	Appendix IV	Selenium	mg/L	78%	5	5	4	4	18	0.251	0.377	0.277	1	1	0	2	4	0.407	0.037 *	0.129
42_1_4_125	MW-32	Appendix IV	Thallium	mg/L	100%	5	5	4	4	18	NA	0.343	0.343	NA	NA	NA	NA	NA	NA	NA	NA
42_1_5_111	MW-32	Part 115	Copper	mg/L	61%	5	5	4	4	18	0.344	0.502	0.590	2	1	2	2	7	0.375	0.612	0.675
42_1_5_114	MW-32	Part 115	Iron	mg/L	0%	5	5	4	4	18	0.192	0.200	0.165	5	5	4	4	18	0.192	0.200	0.165
42_1_5_119	MW-32	Part 115	Nickel	mg/L	0%	5	5	4	4	18	0.338	0.403	0.221	5	5	4	4	18	0.338	0.403	0.221
42_1_5_123	MW-32	Part 115	Silver	mg/L	100%	5	5	4	4	18	NA	0.343	0.343	NA	NA	NA	NA	NA	NA	NA	NA
42_1_5_128	MW-32	Part 115	Vanadium	mg/L	100%	5	5	4	4	18	0.715	0.751	0.751	NA	NA	NA	NA	NA	NA	NA	NA
42_1_5_129	MW-32	Part 115	Zinc	mg/L	0%	5	5	4	4	18	0.430	0.377	0.392	5	5	4	4	18	0.430	0.377	0.392
46_1_3_105	MW-36	Appendix III	Boron	mg/L	0%	2	2	2	2	8	0.133	0.046 *	0.051	2	2	2	2	8	0.133	0.046 *	0.051
46_1_3_107	MW-36	Appendix III	Calcium	mg/L	0%	2	2	2	2	8	0.788	0.854	0.851	2	2	2	2	8	0.788	0.854	0.851
46_1_3_108	MW-36	Appendix III	Chloride (as Cl)	mg/L	0%	2	2	2	2	8	0.785	0.723	0.707	2	2	2	2	8	0.785	0.723	0.707
46_1_3_112	MW-36	Appendix III	Fluoride	mg/L	0%	2	2	2	2	8	0.448	0.581	0.576	2	2	2	2	8	0.448	0.581	0.576
46_1_3_120	MW-36	Appendix III	pH (field)	su	0%	2	2	2	2	8	0.261	0.307	0.298	2	2	2	2	8	0.261	0.307	0.298
46_1_3_124	MW-36	Appendix III	Sulfate (as SO4)	mg/L	0%	2	2	2	2	8	0.355	0.595	0.541	2	2	2	2	8	0.355	0.595	0.541
46_1_3_126	MW-36	Appendix III	Total Dissolved Solids	mg/L	0%	2	2	2	2	8	0.367	0.529	0.545	2	2	2	2	8	0.367	0.529	0.545
46_1_4_101	MW-36	Appendix IV	Antimony	mg/L	0%	2	2	2	2	8	0.879	0.788	0.874	2	2	2	2	8	0.879	0.788	0.874
46_1_4_102	MW-36	Appendix IV	Arsenic	mg/L	0%	2	2	2	2	8	0.607	0.610	0.608	2	2	2	2	8	0.607	0.610	0.608
46_1_4_103	MW-36	Appendix IV	Barium	mg/L	0%	2	2	2	2	8	0.488	0.575	0.527	2	2	2	2	8	0.488	0.575	0.527
46_1_4_104	MW-36	Appendix IV	Beryllium	mg/L	88%	2	2	2	2	8	0.392	0.479	0.479	0	1	0	0	1	NA	NA	NA
46_1_4_106	MW-36	Appendix IV	Cadmium	mg/L	0%	2	2	2	2	8	0.572	0.620	0.730	2	2	2	2	8	0.572	0.620	0.730
46_1_4_109	MW-36	Appendix IV	Chromium, Total	mg/L	0%	2	2	2	2	8	0.525	0.529	0.562	2	2	2	2	8	0.525	0.529	0.562
46_1_4_110	MW-36	Appendix IV	Cobalt	mg/L	0%	2	2	2	2	8	0.362	0.602	0.567	2	2	2	2	8	0.362	0.602	0.567
46_1_4_113	MW-36	Appendix IV	Fluoride (App IV)	mg/L	0%	2	2	2	2	8	0.448	0.581	0.576	2	2	2	2	8	0.448	0.581	0.576
46_1_4_115	MW-36	Appendix IV	Lead	mg/L	0%	2	2	2	2	8	0.572	0.604	0.685	2	2	2	2	8	0.572	0.604	0.685
46_1_4_116	MW-36	Appendix IV	Lithium	mg/L	0%	2	2	2	2	8	0.208	0.187	0.197	2	2	2	2	8	0.208	0.187	0.197
46_1_4_117	MW-36	Appendix IV	Mercury	ng/L	50%	2	2	2	2	8	0.925	1.000	0.995	1	1	1	1	4	0.392	NA	NA
46_1_4_118	MW-36	Appendix IV	Molybdenum	mg/L	0%	2	2	2	2	8	0.198	0.441	0.336	2	2	2	2	8	0.198	0.441	0.336
46_1_4_122	MW-36	Appendix IV	Selenium	mg/L	0%	2	2	2	2	8	0.694	0.798	0.797	2	2	2	2	8	0.694	0.798	0.797
46_1_4_125	MW-36	Appendix IV	Thallium	mg/L	100%	2	2	2	2	8	NA	0.479	NA	NA	NA	NA	NA	NA	NA	NA	NA
46_1_5_111	MW-36	Part 115	Copper	mg/L	0%	2	2	2	2	8	0.682	0.771	0.880	2	2	2	2	8	0.682	0.771	0.880
46_1_5_114	MW-36	Part 115	Iron	mg/L	0%	2	2	2	2	8	0.721	0.837	0.880	2	2	2	2	8	0.721	0.837	0.880
46_1_5_119	MW-36	Part 115	Nickel	mg/L	0%	2	2	2	2	8	0.433	0.517	0.484	2	2	2	2	8	0.433	0.517	0.484
46_1_5_123	MW-36	Part 115	Silver	mg/L	0%	2	2	2	2	8	0.668	0.584	0.712	2	2	2	2	8	0.668	0.584	0.712
46_1_5_128	MW-36	Part 115	Vanadium	mg/L	0%	2	2	2	2	8	0.355	0.458	0.423	2	2	2	2	8	0.355	0.458	0.423

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
46_1_5_129	MW-36	Part 115	Zinc	mg/L	0%	2	2	2	2	8	0.475	0.495	0.549	2	2	2	2	8	0.475	0.495	0.549
47_1_3_105	MW-37	Appendix III	Boron	mg/L	0%	2	2	2	2	8	0.198	0.107	0.072	2	2	2	2	8	0.198	0.107	0.072
47_1_3_107	MW-37	Appendix III	Calcium	mg/L	0%	2	2	2	2	8	0.203	0.206	0.194	2	2	2	2	8	0.203	0.206	0.194
47_1_3_108	MW-37	Appendix III	Chloride (as Cl)	mg/L	0%	2	2	2	2	8	0.299	0.472	0.398	2	2	2	2	8	0.299	0.472	0.398
47_1_3_112	MW-37	Appendix III	Fluoride	mg/L	0%	2	2	2	2	8	0.809	0.745	0.736	2	2	2	2	8	0.809	0.745	0.736
47_1_3_120	MW-37	Appendix III	pH (field)	su	0%	2	2	2	2	8	0.475	0.448	0.448	2	2	2	2	8	0.475	0.448	0.448
47_1_3_124	MW-37	Appendix III	Sulfate (as SO4)	mg/L	0%	2	2	2	2	8	0.103	0.010 **	0.003 **	2	2	2	2	8	0.103	0.010 **	0.003 **
47_1_3_126	MW-37	Appendix III	Total Dissolved Solids	mg/L	0%	2	2	2	2	8	0.212	0.107	0.084	2	2	2	2	8	0.212	0.107	0.084
47_1_4_101	MW-37	Appendix IV	Antimony	mg/L	12%	2	2	2	2	8	0.204	0.499	0.344	1	2	2	2	7	0.392	0.693	0.618
47_1_4_102	MW-37	Appendix IV	Arsenic	mg/L	0%	2	2	2	2	8	0.727	0.839	0.897	2	2	2	2	8	0.727	0.839	0.897
47_1_4_103	MW-37	Appendix IV	Barium	mg/L	0%	2	2	2	2	8	0.321	0.477	0.541	2	2	2	2	8	0.321	0.477	0.541
47_1_4_104	MW-37	Appendix IV	Beryllium	mg/L	88%	2	2	2	2	8	0.392	0.479	0.479	1	0	0	0	1	NA	NA	NA
47_1_4_106	MW-37	Appendix IV	Cadmium	mg/L	62%	2	2	2	2	8	0.675	0.783	0.790	0	1	1	1	3	0.368	NA	NA
47_1_4_109	MW-37	Appendix IV	Chromium, Total	mg/L	0%	2	2	2	2	8	0.572	0.562	0.612	2	2	2	2	8	0.572	0.562	0.612
47_1_4_110	MW-37	Appendix IV	Cobalt	mg/L	0%	2	2	2	2	8	0.983	0.984	0.983	2	2	2	2	8	0.983	0.984	0.983
47_1_4_113	MW-37	Appendix IV	Fluoride (App IV)	mg/L	0%	2	2	2	2	8	0.809	0.745	0.736	2	2	2	2	8	0.809	0.745	0.736
47_1_4_115	MW-37	Appendix IV	Lead	mg/L	25%	2	2	2	2	8	0.462	0.503	0.671	1	2	2	1	6	0.277	0.003 **	0.176
47_1_4_116	MW-37	Appendix IV	Lithium	mg/L	0%	2	2	2	2	8	0.321	0.387	0.341	2	2	2	2	8	0.321	0.387	0.341
47_1_4_117	MW-37	Appendix IV	Mercury	ng/L	50%	2	2	2	2	8	0.925	1.000	0.991	1	1	1	1	4	0.392	NA	NA
47_1_4_118	MW-37	Appendix IV	Molybdenum	mg/L	0%	2	2	2	2	8	0.080	0.017 *	0.014 *	2	2	2	2	8	0.080	0.017 *	0.014 *
47_1_4_121	MW-37	Appendix IV	Radium 226 and 228	pCi/L	62%	2	2	2	2	8	0.321	0.478	0.481	2	1	0	0	3	0.221	0.136	0.171
47_1_4_122	MW-37	Appendix IV	Selenium	mg/L	0%	2	2	2	2	8	0.212	0.560	0.412	2	2	2	2	8	0.212	0.560	0.412
47_1_4_125	MW-37	Appendix IV	Thallium	mg/L	100%	2	2	2	2	8	NA	0.479	NA	NA	NA	NA	NA	NA	NA	NA	NA
47_1_5_111	MW-37	Part 115	Copper	mg/L	0%	2	2	2	2	8	0.119	0.283	0.114	2	2	2	2	8	0.119	0.283	0.114
47_1_5_114	MW-37	Part 115	Iron	mg/L	12%	2	2	2	2	8	0.355	0.327	0.621	2	2	1	2	7	0.482	0.518	0.727
47_1_5_119	MW-37	Part 115	Nickel	mg/L	0%	2	2	2	2	8	0.261	0.267	0.230	2	2	2	2	8	0.261	0.267	0.230
47_1_5_123	MW-37	Part 115	Silver	mg/L	88%	2	2	2	2	8	0.392	0.479	0.479	0	0	0	1	1	NA	NA	NA
47_1_5_128	MW-37	Part 115	Vanadium	mg/L	50%	2	2	2	2	8	0.605	0.619	0.620	2	0	1	1	4	0.407	0.720	0.766
47_1_5_129	MW-37	Part 115	Zinc	mg/L	0%	2	2	2	2	8	0.704	0.805	0.809	2	2	2	2	8	0.704	0.805	0.809
48_2_3_105	MW-38	Appendix III	Boron	mg/L	0%	2	2	2	2	8	0.149	0.128	0.213	2	2	2	2	8	0.149	0.128	0.213
48_2_3_107	MW-38	Appendix III	Calcium	mg/L	0%	2	2	2	2	8	0.321	0.441	0.395	2	2	2	2	8	0.321	0.441	0.395
48_2_3_108	MW-38	Appendix III	Chloride (as Cl)	mg/L	0%	2	2	2	2	8	0.721	0.787	0.737	2	2	2	2	8	0.721	0.787	0.737
48_2_3_112	MW-38	Appendix III	Fluoride	mg/L	0%	2	2	2	2	8	0.149	0.325	0.250	2	2	2	2	8	0.149	0.325	0.250
48_2_3_120	MW-38	Appendix III	pH (field)	su	0%	2	2	2	2	8	0.572	0.478	0.478	2	2	2	2	8	0.572	0.478	0.478
48_2_3_124	MW-38	Appendix III	Sulfate (as SO4)	mg/L	0%	2	2	2	2	8	0.332	0.254	0.332	2	2	2	2	8	0.332	0.254	0.332
48_2_3_126	MW-38	Appendix III	Total Dissolved Solids	mg/L	0%	2	2	2	2	8	0.198	0.324	0.208	2	2	2	2	8	0.198	0.324	0.208
48_2_4_101	MW-38	Appendix IV	Antimony	mg/L	12%	2	2	2	2	8	0.761	0.867	0.733	2	2	2	1	7	0.975	0.987	0.959
48_2_4_102	MW-38	Appendix IV	Arsenic	mg/L	0%	2	2	2	2	8	0.603	0.667	0.613	2	2	2	2	8	0.603	0.667	0.613
48_2_4_103	MW-38	Appendix IV	Barium	mg/L	0%	2	2	2	2	8	0.475	0.704	0.672	2	2	2	2	8	0.475	0.704	0.672

(Table continues on next page)

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 7: Seasonality Tests *(continued)*

						Full								Without Non-Detects							
						Sample Size					p-Value			Sample Size					p-Value		
ID	Well	Constituent Type	Constituent	Unit	% NDs	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA	Winter	Spring	Summer	Fall	Total	Kruskal-Wallis	ANOVA	Log ANOVA
48_2_4_104	MW-38	Appendix IV	Beryllium	mg/L	62%	2	2	2	2	8	0.186	0.468	0.456	0	0	1	2	3	1.000	0.886	0.927
48_2_4_106	MW-38	Appendix IV	Cadmium	mg/L	38%	2	2	2	2	8	0.344	0.495	0.470	2	1	1	1	5	0.362	0.804	0.698
48_2_4_109	MW-38	Appendix IV	Chromium, Total	mg/L	0%	2	2	2	2	8	0.475	0.711	0.672	2	2	2	2	8	0.475	0.711	0.672
48_2_4_110	MW-38	Appendix IV	Cobalt	mg/L	0%	2	2	2	2	8	0.801	0.935	0.927	2	2	2	2	8	0.801	0.935	0.927
48_2_4_113	MW-38	Appendix IV	Fluoride (App IV)	mg/L	0%	2	2	2	2	8	0.149	0.325	0.250	2	2	2	2	8	0.149	0.325	0.250
48_2_4_115	MW-38	Appendix IV	Lead	mg/L	12%	2	2	2	2	8	0.841	0.706	0.703	2	2	2	1	7	0.861	0.836	0.925
48_2_4_116	MW-38	Appendix IV	Lithium	mg/L	0%	2	2	2	2	8	0.259	0.387	0.457	2	2	2	2	8	0.259	0.387	0.457
48_2_4_117	MW-38	Appendix IV	Mercury	ng/L	50%	2	2	2	2	8	0.925	0.999	0.975	1	1	1	1	4	0.392	NA	NA
48_2_4_118	MW-38	Appendix IV	Molybdenum	mg/L	0%	2	2	2	2	8	0.300	0.395	0.355	2	2	2	2	8	0.300	0.395	0.355
48_2_4_122	MW-38	Appendix IV	Selenium	mg/L	0%	2	2	2	2	8	0.280	0.367	0.333	2	2	2	2	8	0.280	0.367	0.333
48_2_4_125	MW-38	Appendix IV	Thallium	mg/L	100%	2	2	2	2	8	0.392	0.479	0.479	NA	NA	NA	NA	NA	NA	NA	NA
48_2_5_111	MW-38	Part 115	Copper	mg/L	12%	2	2	2	2	8	0.682	0.688	0.691	2	2	2	1	7	0.658	0.832	0.896
48_2_5_114	MW-38	Part 115	Iron	mg/L	0%	2	2	2	2	8	0.446	0.549	0.557	2	2	2	2	8	0.446	0.549	0.557
48_2_5_119	MW-38	Part 115	Nickel	mg/L	0%	2	2	2	2	8	0.829	0.831	0.715	2	2	2	2	8	0.829	0.831	0.715
48_2_5_123	MW-38	Part 115	Silver	mg/L	62%	2	2	2	2	8	0.675	0.645	0.679	1	0	1	1	3	0.368	NA	NA
48_2_5_128	MW-38	Part 115	Vanadium	mg/L	12%	2	2	2	2	8	0.418	0.455	0.336	2	2	2	1	7	0.784	0.868	0.839
48_2_5_129	MW-38	Part 115	Zinc	mg/L	12%	2	2	2	2	8	0.462	0.492	0.605	2	2	2	1	7	0.479	0.463	0.461

*** p < 0.001, ** p < 0.01, * p < 0.05

Table 8: Trend Tests: Lognormal MLE and MK

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
11_2_3_105	MW-01R	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000292	0.197	↔
11_2_3_107	MW-01R	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000260	0.166	↔
11_2_3_108	MW-01R	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000911	0.722	↔
11_2_3_112	MW-01R	Appendix III	Fluoride	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000268	0.185	↔
11_2_3_120	MW-01R	Appendix III	pH (field)	su	18	0	0%	Nonparametric	MK	0.0000122	0.849	↔
11_2_3_124	MW-01R	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000742	0.302	↔
11_2_3_126	MW-01R	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000259	0.402	↔
11_2_4_102	MW-01R	Appendix IV	Arsenic	mg/L	18	0	0%	Nonparametric	MK	0	1.000	↔
11_2_4_103	MW-01R	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000668	0.000	↑
11_2_4_104	MW-01R	Appendix IV	Beryllium	mg/L	18	2	11%	Parametric	Lognormal MLE	-0.000348	0.369	↔
11_2_4_109	MW-01R	Appendix IV	Chromium, Total	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000102	0.801	↔
11_2_4_110	MW-01R	Appendix IV	Cobalt	mg/L	18	0	0%	Nonparametric	MK	0.000000101	0.789	↔
11_2_4_113	MW-01R	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000268	0.185	↔
11_2_4_115	MW-01R	Appendix IV	Lead	mg/L	18	2	11%	Parametric	Lognormal MLE	0.000299	0.531	↔
11_2_4_116	MW-01R	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000231	0.312	↔
11_2_4_118	MW-01R	Appendix IV	Molybdenum	mg/L	18	2	11%	Parametric	Lognormal MLE	-0.000439	0.387	↔
11_2_4_122	MW-01R	Appendix IV	Selenium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000114	0.602	↔
11_2_5_111	MW-01R	Part 115	Copper	mg/L	18	6	33%	Nonparametric	MK	0.000000130	0.025	↔
11_2_5_114	MW-01R	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.00127	0.023	↔
11_2_5_119	MW-01R	Part 115	Nickel	mg/L	18	0	0%	Nonparametric	MK	0.000000680	0.271	↔
11_2_5_128	MW-01R	Part 115	Vanadium	mg/L	18	2	11%	Parametric	Lognormal MLE	0.00110	0.003	↑
11_2_5_129	MW-01R	Part 115	Zinc	mg/L	18	3	17%	Nonparametric	MK	0.00000150	0.171	↔
12_2_3_105	MW-02	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000356	0.022	↔
12_2_3_107	MW-02	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000129	0.007	↓
12_2_3_108	MW-02	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Nonparametric	MK	0.0105	0.026	↔
12_2_3_112	MW-02	Appendix III	Fluoride	mg/L	18	0	0%	Nonparametric	MK	0.00409	0.000	↑
12_2_3_120	MW-02	Appendix III	pH (field)	su	18	0	0%	Parametric	Lognormal MLE	-0.00000495	0.568	↔
12_2_3_126	MW-02	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000253	0.000	↑
12_2_4_101	MW-02	Appendix IV	Antimony	mg/L	18	3	17%	Parametric	Lognormal MLE	0.000213	0.475	↔
12_2_4_102	MW-02	Appendix IV	Arsenic	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000164	0.705	↔
12_2_4_103	MW-02	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000821	0.502	↔
12_2_4_104	MW-02	Appendix IV	Beryllium	mg/L	18	1	6%	Parametric	Lognormal MLE	-0.000266	0.441	↔
12_2_4_109	MW-02	Appendix IV	Chromium, Total	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000371	0.606	↔
12_2_4_110	MW-02	Appendix IV	Cobalt	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000538	0.291	↔
12_2_4_113	MW-02	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Nonparametric	MK	0.00409	0.000	↑
12_2_4_115	MW-02	Appendix IV	Lead	mg/L	18	1	6%	Parametric	Lognormal MLE	0.000414	0.488	↔
12_2_4_116	MW-02	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000369	0.003	↑
12_2_4_118	MW-02	Appendix IV	Molybdenum	mg/L	18	0	0%	Nonparametric	MK	0	1.000	↔
12_2_4_121	MW-02	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	Parametric	Lognormal MLE	-0.000280	0.477	↔
12_2_4_122	MW-02	Appendix IV	Selenium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000613	0.002	↑
12_2_5_111	MW-02	Part 115	Copper	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000588	0.152	↔
12_2_5_114	MW-02	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000152	0.109	↔
12_2_5_119	MW-02	Part 115	Nickel	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000672	0.211	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
12_2_5_128	MW-02	Part 115	Vanadium	mg/L	18	1	6%	Parametric	Lognormal MLE	0.000605	0.121	↔
12_2_5_129	MW-02	Part 115	Zinc	mg/L	18	0	0%	Nonparametric	MK	0.000000407	0.790	↔
13_2_3_105	MW-03	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000197	0.690	↔
13_2_3_107	MW-03	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000130	0.018	↔
13_2_3_108	MW-03	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000670	0.000	↓
13_2_3_112	MW-03	Appendix III	Fluoride	mg/L	18	0	0%	Nonparametric	MK	0.000154	0.024	↔
13_2_3_120	MW-03	Appendix III	pH (field)	su	18	0	0%	Parametric	Lognormal MLE	-0.000000788	0.919	↔
13_2_3_124	MW-03	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.00170	0.001	↓
13_2_3_126	MW-03	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Nonparametric	MK	-0.607	0.001	↓
13_2_4_102	MW-03	Appendix IV	Arsenic	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000106	0.581	↔
13_2_4_103	MW-03	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000431	0.810	↔
13_2_4_109	MW-03	Appendix IV	Chromium, Total	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000330	0.018	↔
13_2_4_110	MW-03	Appendix IV	Cobalt	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000209	0.374	↔
13_2_4_113	MW-03	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Nonparametric	MK	0.000154	0.024	↔
13_2_4_116	MW-03	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000404	0.000	↓
13_2_4_121	MW-03	Appendix IV	Radium 226 and 228	pCi/L	17	3	18%	Parametric	Lognormal MLE	-0.000733	0.003	↓
13_2_4_122	MW-03	Appendix IV	Selenium	mg/L	18	3	17%	Parametric	Lognormal MLE	0.000279	0.232	↔
13_2_5_114	MW-03	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.00178	0.002	↓
13_2_5_119	MW-03	Part 115	Nickel	mg/L	18	1	6%	Nonparametric	MK	-0.000000466	0.209	↔
14_2_3_105	MW-04	Appendix III	Boron	mg/L	18	0	0%	Nonparametric	MK	-0.000140	0.568	↔
14_2_3_107	MW-04	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000185	0.855	↔
14_2_3_108	MW-04	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.00194	0.000	↓
14_2_3_112	MW-04	Appendix III	Fluoride	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000359	0.004	↑
14_2_3_120	MW-04	Appendix III	pH (field)	su	18	0	0%	Nonparametric	MK	-0.000211	0.023	↔
14_2_3_124	MW-04	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	Parametric	Lognormal MLE	0.00114	0.165	↔
14_2_3_126	MW-04	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Nonparametric	MK	0	1.000	↔
14_2_4_102	MW-04	Appendix IV	Arsenic	mg/L	18	0	0%	Nonparametric	MK	0.000000465	0.093	↔
14_2_4_103	MW-04	Appendix IV	Barium	mg/L	18	0	0%	Nonparametric	MK	-0.0000289	0.230	↔
14_2_4_109	MW-04	Appendix IV	Chromium, Total	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000847	0.002	↓
14_2_4_110	MW-04	Appendix IV	Cobalt	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000208	0.655	↔
14_2_4_113	MW-04	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000359	0.004	↑
14_2_4_116	MW-04	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000315	0.023	↔
14_2_4_121	MW-04	Appendix IV	Radium 226 and 228	pCi/L	18	6	33%	Parametric	Lognormal MLE	-0.000730	0.001	↓
14_2_4_122	MW-04	Appendix IV	Selenium	mg/L	18	5	28%	Parametric	Lognormal MLE	0.000702	0.098	↔
14_2_5_114	MW-04	Part 115	Iron	mg/L	18	0	0%	Nonparametric	MK	-0.00130	0.183	↔
14_2_5_119	MW-04	Part 115	Nickel	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000136	0.732	↔
16_1_3_105	MW-06	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000259	0.820	↔
16_1_3_107	MW-06	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000185	0.009	↓
16_1_3_108	MW-06	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000772	0.030	↔
16_1_3_112	MW-06	Appendix III	Fluoride	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000166	0.060	↔
16_1_3_120	MW-06	Appendix III	pH (field)	su	18	0	0%	Nonparametric	MK	0.000112	0.110	↔
16_1_3_124	MW-06	Appendix III	Sulfate (as SO4)	mg/L	18	2	11%	Parametric	Lognormal MLE	-0.000274	0.731	↔
16_1_3_126	MW-06	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Nonparametric	MK	0	0.032	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
16_1_4_102	MW-06	Appendix IV	Arsenic	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000112	0.509	↔
16_1_4_103	MW-06	Appendix IV	Barium	mg/L	18	0	0%	Nonparametric	MK	0	0.843	↔
16_1_4_109	MW-06	Appendix IV	Chromium, Total	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000466	0.002	↓
16_1_4_110	MW-06	Appendix IV	Cobalt	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000459	0.000	↓
16_1_4_113	MW-06	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000166	0.060	↔
16_1_4_116	MW-06	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000229	0.068	↔
16_1_4_121	MW-06	Appendix IV	Radium 226 and 228	pCi/L	18	3	17%	Parametric	Lognormal MLE	0.0000750	0.760	↔
16_1_4_122	MW-06	Appendix IV	Selenium	mg/L	18	5	28%	Nonparametric	MK	0	0.936	↔
16_1_5_114	MW-06	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000819	0.000	↓
16_1_5_119	MW-06	Part 115	Nickel	mg/L	18	6	33%	Parametric	Lognormal MLE	-0.000125	0.511	↔
16_1_5_129	MW-06	Part 115	Zinc	mg/L	18	2	11%	Nonparametric	MK	0.000000203	0.541	↔
17_1_3_105	MW-07	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000616	0.298	↔
17_1_3_107	MW-07	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000130	0.005	↑
17_1_3_108	MW-07	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Nonparametric	MK	0.00229	0.020	↔
17_1_3_112	MW-07	Appendix III	Fluoride	mg/L	18	4	22%	Parametric	Lognormal MLE	0.000290	0.318	↔
17_1_3_120	MW-07	Appendix III	pH (field)	su	18	0	0%	Nonparametric	MK	-0.0000183	0.648	↔
17_1_3_124	MW-07	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000390	0.041	↔
17_1_3_126	MW-07	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000194	0.001	↑
17_1_4_102	MW-07	Appendix IV	Arsenic	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000275	0.040	↔
17_1_4_103	MW-07	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000250	0.000	↑
17_1_4_109	MW-07	Appendix IV	Chromium, Total	mg/L	18	0	0%	Parametric	Lognormal MLE	0.00000103	0.994	↔
17_1_4_110	MW-07	Appendix IV	Cobalt	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000779	0.288	↔
17_1_4_113	MW-07	Appendix IV	Fluoride (App IV)	mg/L	18	4	22%	Parametric	Lognormal MLE	0.000290	0.318	↔
17_1_4_116	MW-07	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000160	0.918	↔
17_1_4_121	MW-07	Appendix IV	Radium 226 and 228	pCi/L	18	2	11%	Parametric	Lognormal MLE	-0.000169	0.415	↔
17_1_5_114	MW-07	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000236	0.000	↑
18_1_3_105	MW-08	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000334	0.874	↔
18_1_3_107	MW-08	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000172	0.012	↔
18_1_3_108	MW-08	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Nonparametric	MK	0.0177	0.011	↔
18_1_3_112	MW-08	Appendix III	Fluoride	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000269	0.168	↔
18_1_3_120	MW-08	Appendix III	pH (field)	su	18	0	0%	Nonparametric	MK	0.0000560	0.762	↔
18_1_3_124	MW-08	Appendix III	Sulfate (as SO4)	mg/L	18	5	28%	Parametric	Lognormal MLE	0.000284	0.848	↔
18_1_3_126	MW-08	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.00000406	0.972	↔
18_1_4_102	MW-08	Appendix IV	Arsenic	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000804	0.011	↔
18_1_4_103	MW-08	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000349	0.759	↔
18_1_4_109	MW-08	Appendix IV	Chromium, Total	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000735	0.000	↓
18_1_4_110	MW-08	Appendix IV	Cobalt	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000637	0.774	↔
18_1_4_113	MW-08	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000269	0.168	↔
18_1_4_116	MW-08	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000355	0.006	↓
18_1_4_118	MW-08	Appendix IV	Molybdenum	mg/L	18	1	6%	Parametric	Lognormal MLE	-0.000128	0.817	↔
18_1_4_121	MW-08	Appendix IV	Radium 226 and 228	pCi/L	18	5	28%	Parametric	Lognormal MLE	-0.000618	0.018	↔
18_1_4_122	MW-08	Appendix IV	Selenium	mg/L	18	6	33%	Parametric	Lognormal MLE	-0.000119	0.651	↔
18_1_5_111	MW-08	Part 115	Copper	mg/L	18	6	33%	Parametric	Lognormal MLE	0.000612	0.110	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
18_1_5_114	MW-08	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000772	0.000	↓
18_1_5_119	MW-08	Part 115	Nickel	mg/L	18	0	0%	Nonparametric	MK	0.00000225	0.022	↔
18_1_5_129	MW-08	Part 115	Zinc	mg/L	18	3	17%	Nonparametric	MK	0.000000496	0.362	↔
19_2_3_105	MW-09	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000735	0.214	↔
19_2_3_107	MW-09	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000444	0.000	↑
19_2_3_108	MW-09	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Parametric	Lognormal MLE	0.00137	0.000	↑
19_2_3_112	MW-09	Appendix III	Fluoride	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000208	0.745	↔
19_2_3_120	MW-09	Appendix III	pH (field)	su	18	0	0%	Parametric	Lognormal MLE	-0.0000409	0.000	↓
19_2_3_124	MW-09	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	Parametric	Lognormal MLE	0.00123	0.000	↑
19_2_3_126	MW-09	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000536	0.000	↑
19_2_4_102	MW-09	Appendix IV	Arsenic	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000275	0.166	↔
19_2_4_103	MW-09	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.00154	0.000	↓
19_2_4_109	MW-09	Appendix IV	Chromium, Total	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000310	0.037	↔
19_2_4_110	MW-09	Appendix IV	Cobalt	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000323	0.221	↔
19_2_4_113	MW-09	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000208	0.745	↔
19_2_4_116	MW-09	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000213	0.703	↔
19_2_4_118	MW-09	Appendix IV	Molybdenum	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000177	0.364	↔
19_2_4_122	MW-09	Appendix IV	Selenium	mg/L	18	2	11%	Nonparametric	MK	0.000000166	0.003	↑
19_2_5_114	MW-09	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000310	0.138	↔
19_2_5_119	MW-09	Part 115	Nickel	mg/L	18	0	0%	Nonparametric	MK	0.0000100	0.006	↑
19_2_5_129	MW-09	Part 115	Zinc	mg/L	18	8	44%	Parametric	Lognormal MLE	0.00275	0.038	↔
20_3_3_105	MW-10	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000673	0.031	↔
20_3_3_107	MW-10	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000161	0.417	↔
20_3_3_108	MW-10	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Parametric	Lognormal MLE	0.00115	0.000	↑
20_3_3_112	MW-10	Appendix III	Fluoride	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000534	0.783	↔
20_3_3_120	MW-10	Appendix III	pH (field)	su	18	0	0%	Parametric	Lognormal MLE	-0.0000351	0.202	↔
20_3_3_124	MW-10	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000409	0.299	↔
20_3_3_126	MW-10	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Nonparametric	MK	0.300	0.191	↔
20_3_4_102	MW-10	Appendix IV	Arsenic	mg/L	18	0	0%	Parametric	Lognormal MLE	0.00106	0.001	↑
20_3_4_103	MW-10	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000570	0.019	↔
20_3_4_104	MW-10	Appendix IV	Beryllium	mg/L	18	8	44%	Parametric	Lognormal MLE	-0.0000458	0.919	↔
20_3_4_109	MW-10	Appendix IV	Chromium, Total	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000249	0.423	↔
20_3_4_110	MW-10	Appendix IV	Cobalt	mg/L	18	1	6%	Parametric	Lognormal MLE	-0.000310	0.474	↔
20_3_4_113	MW-10	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000534	0.783	↔
20_3_4_116	MW-10	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000387	0.799	↔
20_3_4_118	MW-10	Appendix IV	Molybdenum	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.00112	0.000	↓
20_3_4_122	MW-10	Appendix IV	Selenium	mg/L	18	1	6%	Parametric	Lognormal MLE	-0.0000887	0.658	↔
20_3_5_114	MW-10	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.00000478	0.984	↔
20_3_5_119	MW-10	Part 115	Nickel	mg/L	18	7	39%	Nonparametric	MK	0	0.481	↔
20_3_5_129	MW-10	Part 115	Zinc	mg/L	18	7	39%	Nonparametric	MK	0	0.393	↔
21_2_3_105	MW-11	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000620	0.097	↔
21_2_3_107	MW-11	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000246	0.178	↔
21_2_3_108	MW-11	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000526	0.746	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
21_2_3_112	MW-11	Appendix III	Fluoride	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000656	0.055	↔
21_2_3_120	MW-11	Appendix III	pH (field)	su	18	0	0%	Parametric	Lognormal MLE	-0.0000158	0.039	↔
21_2_3_124	MW-11	Appendix III	Sulfate (as SO4)	mg/L	18	7	39%	Parametric	Lognormal MLE	-0.00418	0.015	↔
21_2_3_126	MW-11	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000199	0.116	↔
21_2_4_102	MW-11	Appendix IV	Arsenic	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000622	0.025	↔
21_2_4_103	MW-11	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000176	0.340	↔
21_2_4_109	MW-11	Appendix IV	Chromium, Total	mg/L	18	0	0%	Nonparametric	MK	0.000000264	0.305	↔
21_2_4_110	MW-11	Appendix IV	Cobalt	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000105	0.808	↔
21_2_4_113	MW-11	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000656	0.055	↔
21_2_4_116	MW-11	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000708	0.211	↔
21_2_4_118	MW-11	Appendix IV	Molybdenum	mg/L	18	2	11%	Parametric	Lognormal MLE	0.000713	0.090	↔
21_2_4_121	MW-11	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	Parametric	Lognormal MLE	-0.000782	0.008	↓
21_2_4_122	MW-11	Appendix IV	Selenium	mg/L	18	3	17%	Parametric	Lognormal MLE	0.000214	0.453	↔
21_2_5_111	MW-11	Part 115	Copper	mg/L	18	4	22%	Nonparametric	MK	0	0.730	↔
21_2_5_114	MW-11	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000575	0.006	↑
21_2_5_119	MW-11	Part 115	Nickel	mg/L	18	0	0%	Nonparametric	MK	0.000000722	0.136	↔
21_2_5_129	MW-11	Part 115	Zinc	mg/L	18	4	22%	Parametric	Lognormal MLE	0.00154	0.196	↔
22_2_3_105	MW-12	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000300	0.112	↔
22_2_3_107	MW-12	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000690	0.704	↔
22_2_3_108	MW-12	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000928	0.497	↔
22_2_3_112	MW-12	Appendix III	Fluoride	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000207	0.231	↔
22_2_3_120	MW-12	Appendix III	pH (field)	su	18	0	0%	Parametric	Lognormal MLE	-0.0000155	0.542	↔
22_2_3_124	MW-12	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000928	0.000	↓
22_2_3_126	MW-12	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000104	0.631	↔
22_2_4_101	MW-12	Appendix IV	Antimony	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000281	0.429	↔
22_2_4_102	MW-12	Appendix IV	Arsenic	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000346	0.168	↔
22_2_4_103	MW-12	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.00111	0.000	↑
22_2_4_106	MW-12	Appendix IV	Cadmium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.00130	0.001	↑
22_2_4_109	MW-12	Appendix IV	Chromium, Total	mg/L	18	6	33%	Parametric	Lognormal MLE	-0.0000472	0.929	↔
22_2_4_110	MW-12	Appendix IV	Cobalt	mg/L	18	5	28%	Parametric	Lognormal MLE	0.00168	0.021	↔
22_2_4_113	MW-12	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000207	0.231	↔
22_2_4_115	MW-12	Appendix IV	Lead	mg/L	18	6	33%	Parametric	Lognormal MLE	0.00124	0.001	↑
22_2_4_116	MW-12	Appendix IV	Lithium	mg/L	18	1	6%	Parametric	Lognormal MLE	-0.000198	0.478	↔
22_2_4_118	MW-12	Appendix IV	Molybdenum	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000300	0.883	↔
22_2_4_122	MW-12	Appendix IV	Selenium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000977	0.890	↔
22_2_5_111	MW-12	Part 115	Copper	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000843	0.000	↑
22_2_5_119	MW-12	Part 115	Nickel	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000498	0.040	↔
22_2_5_128	MW-12	Part 115	Vanadium	mg/L	18	6	33%	Parametric	Lognormal MLE	0.000536	0.133	↔
22_2_5_129	MW-12	Part 115	Zinc	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000890	0.002	↑
26_1_3_105	MW-16	Appendix III	Boron	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000312	0.448	↔
26_1_3_107	MW-16	Appendix III	Calcium	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000230	0.135	↔
26_1_3_108	MW-16	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000508	0.007	↑
26_1_3_112	MW-16	Appendix III	Fluoride	mg/L	8	1	12%	Parametric	Lognormal MLE	0.000515	0.443	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
26_1_3_120	MW-16	Appendix III	pH (field)	su	8	0	0%	Nonparametric	MK	0	0.898	↔
26_1_3_124	MW-16	Appendix III	Sulfate (as SO4)	mg/L	8	2	25%	Parametric	Lognormal MLE	0.00299	0.483	↔
26_1_3_126	MW-16	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	Parametric	Lognormal MLE	0.0000876	0.547	↔
26_1_4_102	MW-16	Appendix IV	Arsenic	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000725	0.601	↔
26_1_4_103	MW-16	Appendix IV	Barium	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000234	0.414	↔
26_1_4_109	MW-16	Appendix IV	Chromium, Total	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000492	0.530	↔
26_1_4_110	MW-16	Appendix IV	Cobalt	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000261	0.564	↔
26_1_4_113	MW-16	Appendix IV	Fluoride (App IV)	mg/L	8	1	12%	Parametric	Lognormal MLE	0.000515	0.443	↔
26_1_4_116	MW-16	Appendix IV	Lithium	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000276	0.246	↔
26_1_4_122	MW-16	Appendix IV	Selenium	mg/L	8	1	12%	Parametric	Lognormal MLE	0.000803	0.031	↔
26_1_5_114	MW-16	Part 115	Iron	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000562	0.638	↔
26_1_5_119	MW-16	Part 115	Nickel	mg/L	8	1	12%	Parametric	Lognormal MLE	0.00373	0.002	↑
26_1_5_128	MW-16	Part 115	Vanadium	mg/L	8	3	38%	Parametric	Lognormal MLE	0.000288	0.696	↔
26_1_5_129	MW-16	Part 115	Zinc	mg/L	8	2	25%	Parametric	Lognormal MLE	0.00457	0.113	↔
27_1_3_105	MW-17	Appendix III	Boron	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000647	0.217	↔
27_1_3_107	MW-17	Appendix III	Calcium	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000346	0.084	↔
27_1_3_108	MW-17	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00141	0.007	↓
27_1_3_112	MW-17	Appendix III	Fluoride	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000576	0.044	↔
27_1_3_120	MW-17	Appendix III	pH (field)	su	8	0	0%	Parametric	Lognormal MLE	-0.0000352	0.315	↔
27_1_3_124	MW-17	Appendix III	Sulfate (as SO4)	mg/L	8	1	12%	Parametric	Lognormal MLE	-0.00188	0.501	↔
27_1_3_126	MW-17	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	Nonparametric	MK	-0.0830	0.352	↔
27_1_4_102	MW-17	Appendix IV	Arsenic	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000395	0.355	↔
27_1_4_103	MW-17	Appendix IV	Barium	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000388	0.465	↔
27_1_4_109	MW-17	Appendix IV	Chromium, Total	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000512	0.454	↔
27_1_4_110	MW-17	Appendix IV	Cobalt	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000485	0.347	↔
27_1_4_113	MW-17	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000576	0.044	↔
27_1_4_115	MW-17	Appendix IV	Lead	mg/L	8	1	12%	Parametric	Lognormal MLE	-0.000310	0.804	↔
27_1_4_116	MW-17	Appendix IV	Lithium	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000576	0.155	↔
27_1_4_118	MW-17	Appendix IV	Molybdenum	mg/L	8	0	0%	Nonparametric	MK	-0.000000604	0.536	↔
27_1_4_121	MW-17	Appendix IV	Radium 226 and 228	pCi/L	8	2	25%	Parametric	Lognormal MLE	0.000482	0.309	↔
27_1_4_122	MW-17	Appendix IV	Selenium	mg/L	8	0	0%	Nonparametric	MK	0.000000137	0.454	↔
27_1_5_111	MW-17	Part 115	Copper	mg/L	8	1	12%	Parametric	Lognormal MLE	0.0000608	0.973	↔
27_1_5_114	MW-17	Part 115	Iron	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000861	0.052	↔
27_1_5_119	MW-17	Part 115	Nickel	mg/L	8	0	0%	Parametric	Lognormal MLE	0.00113	0.285	↔
27_1_5_128	MW-17	Part 115	Vanadium	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000631	0.097	↔
27_1_5_129	MW-17	Part 115	Zinc	mg/L	8	0	0%	Parametric	Lognormal MLE	0.00132	0.515	↔
28_1_3_105	MW-18	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000651	0.000	↑
28_1_3_107	MW-18	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000178	0.118	↔
28_1_3_108	MW-18	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000823	0.559	↔
28_1_3_112	MW-18	Appendix III	Fluoride	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000642	0.559	↔
28_1_3_120	MW-18	Appendix III	pH (field)	su	18	0	0%	Parametric	Lognormal MLE	0.0000186	0.001	↑
28_1_3_124	MW-18	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000245	0.156	↔
28_1_3_126	MW-18	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000335	0.000	↓

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
28_1_4_101	MW-18	Appendix IV	Antimony	mg/L	18	3	17%	Parametric	Lognormal MLE	0.000664	0.078	↔
28_1_4_102	MW-18	Appendix IV	Arsenic	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000257	0.111	↔
28_1_4_103	MW-18	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000296	0.087	↔
28_1_4_106	MW-18	Appendix IV	Cadmium	mg/L	18	7	39%	Parametric	Lognormal MLE	0.0000960	0.894	↔
28_1_4_110	MW-18	Appendix IV	Cobalt	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000869	0.000	↓
28_1_4_113	MW-18	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000642	0.559	↔
28_1_4_116	MW-18	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000682	0.630	↔
28_1_4_118	MW-18	Appendix IV	Molybdenum	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000379	0.013	↔
28_1_4_122	MW-18	Appendix IV	Selenium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000789	0.168	↔
28_1_5_111	MW-18	Part 115	Copper	mg/L	18	0	0%	Nonparametric	MK	0.000000369	0.039	↔
28_1_5_114	MW-18	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000261	0.087	↔
28_1_5_119	MW-18	Part 115	Nickel	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000343	0.091	↔
28_1_5_129	MW-18	Part 115	Zinc	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000867	0.824	↔
29_1_3_105	MW-19	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000229	0.079	↔
29_1_3_107	MW-19	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000203	0.001	↓
29_1_3_108	MW-19	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000684	0.000	↓
29_1_3_112	MW-19	Appendix III	Fluoride	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000187	0.021	↔
29_1_3_120	MW-19	Appendix III	pH (field)	su	18	0	0%	Parametric	Lognormal MLE	-0.0000253	0.054	↔
29_1_3_124	MW-19	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000189	0.087	↔
29_1_3_126	MW-19	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000274	0.000	↓
29_1_4_102	MW-19	Appendix IV	Arsenic	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000751	0.002	↓
29_1_4_103	MW-19	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000156	0.045	↔
29_1_4_104	MW-19	Appendix IV	Beryllium	mg/L	18	3	17%	Parametric	Lognormal MLE	0.000592	0.000	↑
29_1_4_109	MW-19	Appendix IV	Chromium, Total	mg/L	18	5	28%	Parametric	Lognormal MLE	-0.000220	0.280	↔
29_1_4_110	MW-19	Appendix IV	Cobalt	mg/L	18	1	6%	Parametric	Lognormal MLE	0.00000744	0.988	↔
29_1_4_113	MW-19	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000187	0.021	↔
29_1_4_116	MW-19	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000199	0.001	↓
29_1_4_118	MW-19	Appendix IV	Molybdenum	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000547	0.021	↔
29_1_4_121	MW-19	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	Parametric	Lognormal MLE	-0.000413	0.085	↔
29_1_5_114	MW-19	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000271	0.096	↔
29_1_5_119	MW-19	Part 115	Nickel	mg/L	18	1	6%	Parametric	Lognormal MLE	0.00121	0.002	↑
30_1_3_105	MW-20	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000209	0.075	↔
30_1_3_107	MW-20	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000646	0.634	↔
30_1_3_108	MW-20	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000953	0.000	↓
30_1_3_112	MW-20	Appendix III	Fluoride	mg/L	18	0	0%	Nonparametric	MK	0.0000147	0.647	↔
30_1_3_120	MW-20	Appendix III	pH (field)	su	18	0	0%	Parametric	Lognormal MLE	0.00000171	0.845	↔
30_1_3_124	MW-20	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000332	0.339	↔
30_1_3_126	MW-20	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000316	0.001	↓
30_1_4_101	MW-20	Appendix IV	Antimony	mg/L	18	7	39%	Parametric	Lognormal MLE	0.000445	0.295	↔
30_1_4_102	MW-20	Appendix IV	Arsenic	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000128	0.920	↔
30_1_4_103	MW-20	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000374	0.834	↔
30_1_4_110	MW-20	Appendix IV	Cobalt	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000303	0.031	↔
30_1_4_113	MW-20	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Nonparametric	MK	0.0000147	0.647	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
30_1_4_115	MW-20	Appendix IV	Lead	mg/L	18	0	0%	Nonparametric	MK	0	1.000	↔
30_1_4_116	MW-20	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000388	0.015	↔
30_1_4_118	MW-20	Appendix IV	Molybdenum	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000395	0.704	↔
30_1_4_121	MW-20	Appendix IV	Radium 226 and 228	pCi/L	17	8	47%	Parametric	Lognormal MLE	-0.000169	0.575	↔
30_1_5_111	MW-20	Part 115	Copper	mg/L	18	2	11%	Parametric	Lognormal MLE	0.000821	0.050	↔
30_1_5_114	MW-20	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000302	0.000	↓
30_1_5_119	MW-20	Part 115	Nickel	mg/L	18	0	0%	Nonparametric	MK	-0.00000180	0.363	↔
30_1_5_129	MW-20	Part 115	Zinc	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000196	0.581	↔
38_1_3_105	MW-28	Appendix III	Boron	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00166	0.196	↔
38_1_3_107	MW-28	Appendix III	Calcium	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000226	0.423	↔
38_1_3_108	MW-28	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	Parametric	Lognormal MLE	0.00128	0.323	↔
38_1_3_112	MW-28	Appendix III	Fluoride	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000565	0.425	↔
38_1_3_120	MW-28	Appendix III	pH (field)	su	8	0	0%	Parametric	Lognormal MLE	-0.0000443	0.043	↔
38_1_3_124	MW-28	Appendix III	Sulfate (as SO4)	mg/L	8	2	25%	Parametric	Lognormal MLE	0.00221	0.564	↔
38_1_3_126	MW-28	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000104	0.796	↔
38_1_4_101	MW-28	Appendix IV	Antimony	mg/L	8	0	0%	Parametric	Lognormal MLE	0.00166	0.187	↔
38_1_4_102	MW-28	Appendix IV	Arsenic	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000203	0.781	↔
38_1_4_103	MW-28	Appendix IV	Barium	mg/L	8	0	0%	Nonparametric	MK	0	1.000	↔
38_1_4_109	MW-28	Appendix IV	Chromium, Total	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00259	0.000	↓
38_1_4_110	MW-28	Appendix IV	Cobalt	mg/L	8	0	0%	Parametric	Lognormal MLE	0.00143	0.288	↔
38_1_4_113	MW-28	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000565	0.425	↔
38_1_4_115	MW-28	Appendix IV	Lead	mg/L	8	0	0%	Parametric	Lognormal MLE	0.00149	0.312	↔
38_1_4_116	MW-28	Appendix IV	Lithium	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00213	0.177	↔
38_1_4_117	MW-28	Appendix IV	Mercury	ng/L	8	3	38%	Parametric	Lognormal MLE	-0.00446	0.105	↔
38_1_4_118	MW-28	Appendix IV	Molybdenum	mg/L	8	0	0%	Parametric	Lognormal MLE	0.00309	0.000	↑
38_1_4_122	MW-28	Appendix IV	Selenium	mg/L	8	0	0%	Nonparametric	MK	0.0000000645	0.454	↔
38_1_5_111	MW-28	Part 115	Copper	mg/L	8	1	12%	Nonparametric	MK	0.00000198	0.536	↔
38_1_5_114	MW-28	Part 115	Iron	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00264	0.073	↔
38_1_5_119	MW-28	Part 115	Nickel	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000141	0.929	↔
38_1_5_128	MW-28	Part 115	Vanadium	mg/L	8	2	25%	Parametric	Lognormal MLE	-0.000285	0.216	↔
38_1_5_129	MW-28	Part 115	Zinc	mg/L	8	0	0%	Parametric	Lognormal MLE	0.00245	0.318	↔
40_1_3_105	MW-30	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000184	0.095	↔
40_1_3_107	MW-30	Appendix III	Calcium	mg/L	18	0	0%	Nonparametric	MK	0.0376	0.595	↔
40_1_3_108	MW-30	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Nonparametric	MK	0.388	0.207	↔
40_1_3_112	MW-30	Appendix III	Fluoride	mg/L	18	0	0%	Nonparametric	MK	0	0.582	↔
40_1_3_120	MW-30	Appendix III	pH (field)	su	18	0	0%	Nonparametric	MK	-0.0000729	0.324	↔
40_1_3_124	MW-30	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000218	0.101	↔
40_1_3_126	MW-30	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Nonparametric	MK	0.944	0.035	↔
40_1_4_102	MW-30	Appendix IV	Arsenic	mg/L	18	2	11%	Parametric	Lognormal MLE	0.00242	0.000	↑
40_1_4_103	MW-30	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000169	0.359	↔
40_1_4_109	MW-30	Appendix IV	Chromium, Total	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000180	0.532	↔
40_1_4_110	MW-30	Appendix IV	Cobalt	mg/L	18	0	0%	Nonparametric	MK	0	0.939	↔
40_1_4_113	MW-30	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Nonparametric	MK	0	0.582	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
40_1_4_116	MW-30	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000429	0.795	↔
40_1_4_122	MW-30	Appendix IV	Selenium	mg/L	18	7	39%	Parametric	Lognormal MLE	0.00139	0.010	↑
40_1_5_114	MW-30	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000699	0.887	↔
41_1_3_105	MW-31	Appendix III	Boron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000358	0.000	↑
41_1_3_107	MW-31	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000104	0.406	↔
41_1_3_108	MW-31	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Nonparametric	MK	0.0108	0.189	↔
41_1_3_112	MW-31	Appendix III	Fluoride	mg/L	18	0	0%	Nonparametric	MK	-0.000966	0.001	↓
41_1_3_120	MW-31	Appendix III	pH (field)	su	18	0	0%	Parametric	Lognormal MLE	0.000000766	0.940	↔
41_1_3_124	MW-31	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000625	0.184	↔
41_1_3_126	MW-31	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Nonparametric	MK	0	0.909	↔
41_1_4_101	MW-31	Appendix IV	Antimony	mg/L	18	7	39%	Parametric	Lognormal MLE	0.00238	0.000	↑
41_1_4_102	MW-31	Appendix IV	Arsenic	mg/L	18	0	0%	Nonparametric	MK	0	1.000	↔
41_1_4_103	MW-31	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000351	0.068	↔
41_1_4_109	MW-31	Appendix IV	Chromium, Total	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000391	0.008	↑
41_1_4_110	MW-31	Appendix IV	Cobalt	mg/L	18	3	17%	Nonparametric	MK	0	0.731	↔
41_1_4_113	MW-31	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Nonparametric	MK	-0.000966	0.001	↓
41_1_4_116	MW-31	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000337	0.782	↔
41_1_4_118	MW-31	Appendix IV	Molybdenum	mg/L	18	0	0%	Nonparametric	MK	0	0.908	↔
41_1_4_121	MW-31	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	Parametric	Lognormal MLE	-0.000433	0.110	↔
41_1_5_114	MW-31	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000553	0.432	↔
42_1_3_105	MW-32	Appendix III	Boron	mg/L	18	0	0%	Nonparametric	MK	0.000960	0.067	↔
42_1_3_107	MW-32	Appendix III	Calcium	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000537	0.568	↔
42_1_3_108	MW-32	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000101	0.136	↔
42_1_3_112	MW-32	Appendix III	Fluoride	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000160	0.030	↔
42_1_3_120	MW-32	Appendix III	pH (field)	su	18	0	0%	Parametric	Lognormal MLE	0.00000104	0.856	↔
42_1_3_124	MW-32	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.00131	0.074	↔
42_1_3_126	MW-32	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.0000528	0.512	↔
42_1_4_102	MW-32	Appendix IV	Arsenic	mg/L	18	0	0%	Nonparametric	MK	-0.0000000615	0.471	↔
42_1_4_103	MW-32	Appendix IV	Barium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000708	0.087	↔
42_1_4_109	MW-32	Appendix IV	Chromium, Total	mg/L	18	0	0%	Nonparametric	MK	-0.0000000884	0.120	↔
42_1_4_110	MW-32	Appendix IV	Cobalt	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000114	0.702	↔
42_1_4_113	MW-32	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000160	0.030	↔
42_1_4_116	MW-32	Appendix IV	Lithium	mg/L	18	0	0%	Parametric	Lognormal MLE	0.000145	0.306	↔
42_1_4_118	MW-32	Appendix IV	Molybdenum	mg/L	18	0	0%	Parametric	Lognormal MLE	-0.000803	0.000	↓
42_1_5_114	MW-32	Part 115	Iron	mg/L	18	0	0%	Parametric	Lognormal MLE	0.0000460	0.736	↔
42_1_5_119	MW-32	Part 115	Nickel	mg/L	18	0	0%	Nonparametric	MK	-0.000000325	0.210	↔
42_1_5_129	MW-32	Part 115	Zinc	mg/L	18	0	0%	Nonparametric	MK	0.00000221	0.197	↔
46_1_3_105	MW-36	Appendix III	Boron	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000193	0.700	↔
46_1_3_107	MW-36	Appendix III	Calcium	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000291	0.050	↔
46_1_3_108	MW-36	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000521	0.000	↓
46_1_3_112	MW-36	Appendix III	Fluoride	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000113	0.637	↔
46_1_3_120	MW-36	Appendix III	pH (field)	su	8	0	0%	Parametric	Lognormal MLE	-0.000297	0.032	↔
46_1_3_124	MW-36	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.0000497	0.945	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
46_1_3_126	MW-36	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000311	0.042	↔
46_1_4_101	MW-36	Appendix IV	Antimony	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000159	0.855	↔
46_1_4_102	MW-36	Appendix IV	Arsenic	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00192	0.000	↓
46_1_4_103	MW-36	Appendix IV	Barium	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000420	0.210	↔
46_1_4_106	MW-36	Appendix IV	Cadmium	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00216	0.009	↓
46_1_4_109	MW-36	Appendix IV	Chromium, Total	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000966	0.045	↔
46_1_4_110	MW-36	Appendix IV	Cobalt	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000585	0.037	↔
46_1_4_113	MW-36	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000113	0.637	↔
46_1_4_115	MW-36	Appendix IV	Lead	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00207	0.014	↔
46_1_4_116	MW-36	Appendix IV	Lithium	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000495	0.407	↔
46_1_4_118	MW-36	Appendix IV	Molybdenum	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000402	0.394	↔
46_1_4_122	MW-36	Appendix IV	Selenium	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000328	0.141	↔
46_1_5_111	MW-36	Part 115	Copper	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00246	0.001	↓
46_1_5_114	MW-36	Part 115	Iron	mg/L	8	0	0%	Parametric	Lognormal MLE	0.00112	0.035	↔
46_1_5_119	MW-36	Part 115	Nickel	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00136	0.000	↓
46_1_5_123	MW-36	Part 115	Silver	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00251	0.003	↓
46_1_5_128	MW-36	Part 115	Vanadium	mg/L	8	0	0%	Parametric	Lognormal MLE	0.0000108	0.981	↔
46_1_5_129	MW-36	Part 115	Zinc	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000567	0.588	↔
47_1_3_105	MW-37	Appendix III	Boron	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000223	0.680	↔
47_1_3_107	MW-37	Appendix III	Calcium	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000164	0.453	↔
47_1_3_108	MW-37	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00140	0.002	↓
47_1_3_112	MW-37	Appendix III	Fluoride	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000165	0.526	↔
47_1_3_120	MW-37	Appendix III	pH (field)	su	8	0	0%	Parametric	Lognormal MLE	0.0000261	0.383	↔
47_1_3_124	MW-37	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000150	0.807	↔
47_1_3_126	MW-37	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000128	0.433	↔
47_1_4_101	MW-37	Appendix IV	Antimony	mg/L	8	1	12%	Parametric	Lognormal MLE	-0.00259	0.000	↓
47_1_4_102	MW-37	Appendix IV	Arsenic	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000808	0.012	↔
47_1_4_103	MW-37	Appendix IV	Barium	mg/L	8	0	0%	Parametric	Lognormal MLE	0.00131	0.000	↑
47_1_4_109	MW-37	Appendix IV	Chromium, Total	mg/L	8	0	0%	Parametric	Lognormal MLE	0.0000726	0.938	↔
47_1_4_110	MW-37	Appendix IV	Cobalt	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000934	0.010	↓
47_1_4_113	MW-37	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000165	0.526	↔
47_1_4_115	MW-37	Appendix IV	Lead	mg/L	8	2	25%	Nonparametric	MK	0.000000370	0.618	↔
47_1_4_116	MW-37	Appendix IV	Lithium	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000866	0.032	↔
47_1_4_118	MW-37	Appendix IV	Molybdenum	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000325	0.490	↔
47_1_4_122	MW-37	Appendix IV	Selenium	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00305	0.000	↓
47_1_5_111	MW-37	Part 115	Copper	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000233	0.802	↔
47_1_5_114	MW-37	Part 115	Iron	mg/L	8	1	12%	Parametric	Lognormal MLE	0.00720	0.001	↑
47_1_5_119	MW-37	Part 115	Nickel	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00114	0.000	↓
47_1_5_129	MW-37	Part 115	Zinc	mg/L	8	0	0%	Parametric	Lognormal MLE	0.000126	0.757	↔
48_2_3_105	MW-38	Appendix III	Boron	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00136	0.137	↔
48_2_3_107	MW-38	Appendix III	Calcium	mg/L	8	0	0%	Nonparametric	MK	-0.0294	0.536	↔
48_2_3_108	MW-38	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00184	0.008	↓
48_2_3_112	MW-38	Appendix III	Fluoride	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000524	0.303	↔

(Table continues on next page)

Table 8: Trend Tests: Lognormal MLE and MK *(continued)*

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Type	Method	Slope	p-value	Trend
48_2_3_120	MW-38	Appendix III	pH (field)	su	8	0	0%	Parametric	Lognormal MLE	-0.0000997	0.161	↔
48_2_3_124	MW-38	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000931	0.009	↓
48_2_3_126	MW-38	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00108	0.012	↔
48_2_4_101	MW-38	Appendix IV	Antimony	mg/L	8	1	12%	Parametric	Lognormal MLE	-0.00239	0.097	↔
48_2_4_102	MW-38	Appendix IV	Arsenic	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00117	0.010	↓
48_2_4_103	MW-38	Appendix IV	Barium	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00161	0.010	↓
48_2_4_106	MW-38	Appendix IV	Cadmium	mg/L	8	3	38%	Nonparametric	MK	-0.0000000401	0.610	↔
48_2_4_109	MW-38	Appendix IV	Chromium, Total	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000798	0.402	↔
48_2_4_110	MW-38	Appendix IV	Cobalt	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00113	0.034	↔
48_2_4_113	MW-38	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000524	0.303	↔
48_2_4_115	MW-38	Appendix IV	Lead	mg/L	8	1	12%	Parametric	Lognormal MLE	-0.00444	0.044	↔
48_2_4_116	MW-38	Appendix IV	Lithium	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000553	0.329	↔
48_2_4_118	MW-38	Appendix IV	Molybdenum	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00137	0.343	↔
48_2_4_122	MW-38	Appendix IV	Selenium	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00129	0.217	↔
48_2_5_111	MW-38	Part 115	Copper	mg/L	8	1	12%	Parametric	Lognormal MLE	-0.00354	0.116	↔
48_2_5_114	MW-38	Part 115	Iron	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.000378	0.816	↔
48_2_5_119	MW-38	Part 115	Nickel	mg/L	8	0	0%	Parametric	Lognormal MLE	-0.00221	0.020	↔
48_2_5_128	MW-38	Part 115	Vanadium	mg/L	8	1	12%	Parametric	Lognormal MLE	-0.00240	0.233	↔
48_2_5_129	MW-38	Part 115	Zinc	mg/L	8	1	12%	Parametric	Lognormal MLE	-0.00240	0.236	↔

Table 9: Trend Tests: Piecewise Linear-Linear

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
11_2_3_105	MW-01R	Appendix III	Boron	mg/L	18	0	0%	0.138	0.497	↔	0.0151	0.697	↔	2023-06-28	0.135
11_2_3_107	MW-01R	Appendix III	Calcium	mg/L	18	0	0%	0.0492	0.799	↔	-0.121	0.350	↔	2024-02-13	0.120
11_2_3_108	MW-01R	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.119	0.651	↔	-0.0417	0.409	↔	2023-07-19	0.065
11_2_3_112	MW-01R	Appendix III	Fluoride	mg/L	18	0	0%	-0.0637	0.361	↔	0.00474	0.080	↔	2023-02-12	0.242
11_2_3_120	MW-01R	Appendix III	pH (field)	su	18	0	0%	0.00515	0.323	↔	0.00000587	0.985	↔	2023-04-07	0.231
11_2_3_126	MW-01R	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.469	0.400	↔	-0.0434	0.773	↔	2023-09-08	0.108
11_2_4_101	MW-01R	Appendix IV	Antimony	mg/L	18	3	17%	-0.000000370	0.147	↔	0.00000402	0.054	↔	2025-08-03	0.353
11_2_4_102	MW-01R	Appendix IV	Arsenic	mg/L	18	0	0%	0.00000170	0.512	↔	-0.000000867	0.424	↔	2024-02-12	0.093
11_2_4_104	MW-01R	Appendix IV	Beryllium	mg/L	18	2	11%	-0.000000232	0.135	↔	0.000000307	0.213	↔	2024-10-15	0.247
11_2_4_106	MW-01R	Appendix IV	Cadmium	mg/L	18	13	72%	-0.0000000915	0.352	↔	0.00000133	0.355	↔	2025-09-08	0.161
11_2_4_109	MW-01R	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.0000172	0.272	↔	-0.0000107	0.110	↔	2024-02-12	0.247
11_2_4_110	MW-01R	Appendix IV	Cobalt	mg/L	18	0	0%	-0.000000694	0.459	↔	0.000175	0.000	↑	2025-10-16	0.960
11_2_4_113	MW-01R	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.0637	0.361	↔	0.00474	0.080	↔	2023-02-12	0.242
11_2_4_115	MW-01R	Appendix IV	Lead	mg/L	18	2	11%	-0.000000958	0.326	↔	0.0000200	0.169	↔	2025-08-29	0.327
11_2_4_116	MW-01R	Appendix IV	Lithium	mg/L	18	0	0%	0.00194	0.654	↔	0.000235	0.777	↔	2023-07-13	0.074
11_2_4_117	MW-01R	Appendix IV	Mercury	ng/L	18	15	83%	-0.0000000000971	1.000	↔	-0.366	0.000	↓	2024-09-03	0.837
11_2_4_121	MW-01R	Appendix IV	Radium 226 and 228	pCi/L	18	12	67%	0.00491	0.595	↔	-0.0000128	0.936	↔	2023-01-27	0.112

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Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
11_2_4_122	MW-01R	Appendix IV	Selenium	mg/L	18	0	0%	0.000000930	0.387	↔	-0.000000488	0.279	↔	2024-02-12	0.154
11_2_4_125	MW-01R	Appendix IV	Thallium	mg/L	18	18	100%	0.00000176	0.191	↔	-0.000000262	0.048	↔	2023-05-10	0.331
11_2_5_114	MW-01R	Part 115	Iron	mg/L	18	0	0%	-0.000711	0.007	↓	0.0103	0.008	↑	2025-10-06	0.607
11_2_5_123	MW-01R	Part 115	Silver	mg/L	18	18	100%	0.00000175	0.291	↔	-0.000000121	0.061	↔	2023-02-08	0.276
11_2_5_128	MW-01R	Part 115	Vanadium	mg/L	18	2	11%	0.0000120	0.108	↔	0.0000000359	0.970	↔	2023-06-27	0.451
11_2_5_129	MW-01R	Part 115	Zinc	mg/L	18	3	17%	-0.0000139	0.637	↔	0.0000466	0.028	↔	2024-03-08	0.460
12_2_3_107	MW-02	Appendix III	Calcium	mg/L	18	0	0%	0.00198	0.962	↔	-0.0474	0.098	↔	2024-04-09	0.333
12_2_3_108	MW-02	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.326	0.655	↔	0.0306	0.035	↔	2023-02-07	0.290
12_2_3_112	MW-02	Appendix III	Fluoride	mg/L	18	0	0%	-0.0248	0.690	↔	0.00599	0.000	↑	2023-02-07	0.683
12_2_3_120	MW-02	Appendix III	pH (field)	su	18	0	0%	0.00283	0.464	↔	-0.0000944	0.194	↔	2023-02-07	0.247
12_2_3_124	MW-02	Appendix III	Sulfate (as SO4)	mg/L	18	10	56%	0.00389	0.115	↔	-0.00108	0.653	↔	2024-04-10	0.248
12_2_4_101	MW-02	Appendix IV	Antimony	mg/L	18	3	17%	-0.0000000980	0.395	↔	0.00000186	0.281	↔	2025-10-01	0.161
12_2_4_102	MW-02	Appendix IV	Arsenic	mg/L	18	0	0%	-0.00000935	0.241	↔	0.00000362	0.273	↔	2024-02-12	0.250
12_2_4_103	MW-02	Appendix IV	Barium	mg/L	18	0	0%	-0.000179	0.169	↔	0.000361	0.292	↔	2024-12-23	0.191
12_2_4_104	MW-02	Appendix IV	Beryllium	mg/L	18	1	6%	-0.000000315	0.191	↔	0.000000133	0.580	↔	2024-05-10	0.183
12_2_4_106	MW-02	Appendix IV	Cadmium	mg/L	18	12	67%	0.00000104	0.214	↔	-0.000000167	0.146	↔	2023-05-23	0.227
12_2_4_109	MW-02	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.0000331	0.603	↔	0.0000407	0.139	↔	2024-02-12	0.177
12_2_4_110	MW-02	Appendix IV	Cobalt	mg/L	18	0	0%	-0.00000390	0.518	↔	0.00000806	0.058	↔	2024-02-13	0.370
12_2_4_113	MW-02	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.0248	0.690	↔	0.00599	0.000	↑	2023-02-07	0.683
12_2_4_116	MW-02	Appendix IV	Lithium	mg/L	18	0	0%	0.000103	0.849	↔	0.00127	0.157	↔	2024-07-17	0.417
12_2_4_117	MW-02	Appendix IV	Mercury	ng/L	18	14	78%	-0.0000000000830	1.000	↔	-0.367	0.000	↓	2024-09-07	0.845
12_2_4_121	MW-02	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	-0.00413	0.075	↔	0.00189	0.053	↔	2024-02-09	0.463
12_2_4_122	MW-02	Appendix IV	Selenium	mg/L	18	0	0%	0.000000726	0.038	↔	0.00000370	0.447	↔	2025-10-17	0.456
12_2_4_125	MW-02	Appendix IV	Thallium	mg/L	18	17	94%	0.000000212	0.399	↔	-0.000000588	0.383	↔	2024-12-15	0.109
12_2_5_114	MW-02	Part 115	Iron	mg/L	18	0	0%	0.0352	0.651	↔	-0.00497	0.106	↔	2023-03-13	0.186
12_2_5_119	MW-02	Part 115	Nickel	mg/L	18	0	0%	-0.0000386	0.243	↔	0.0000602	0.013	↔	2024-02-13	0.509
12_2_5_123	MW-02	Part 115	Silver	mg/L	18	18	100%	0.00000147	0.599	↔	-0.000000113	0.040	↔	2023-02-07	0.287
12_2_5_128	MW-02	Part 115	Vanadium	mg/L	18	1	6%	0.0000105	0.294	↔	0.000000814	0.666	↔	2023-06-27	0.239
13_2_3_105	MW-03	Appendix III	Boron	mg/L	18	0	0%	0.000138	0.660	↔	-0.00215	0.391	↔	2025-07-05	0.113
13_2_3_107	MW-03	Appendix III	Calcium	mg/L	18	0	0%	0.352	0.599	↔	-0.0641	0.020	↔	2023-03-13	0.342
13_2_3_108	MW-03	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.837	0.019	↔	-0.0579	0.011	↔	2023-04-17	0.822
13_2_3_112	MW-03	Appendix III	Fluoride	mg/L	18	0	0%	-0.00327	0.129	↔	0.000269	0.182	↔	2023-04-29	0.299
13_2_3_120	MW-03	Appendix III	pH (field)	su	18	0	0%	0.000196	0.556	↔	-0.000131	0.347	↔	2024-02-13	0.089
13_2_3_124	MW-03	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	3.72	0.023	↔	-0.607	0.000	↓	2023-04-05	0.786
13_2_3_126	MW-03	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2.46	0.206	↔	-0.718	0.000	↓	2023-04-01	0.759
13_2_4_101	MW-03	Appendix IV	Antimony	mg/L	18	12	67%	0.00000211	0.115	↔	-0.000000303	0.023	↔	2023-04-18	0.401
13_2_4_102	MW-03	Appendix IV	Arsenic	mg/L	18	0	0%	0.000000216	0.388	↔	-0.00000181	0.363	↔	2025-04-21	0.221
13_2_4_103	MW-03	Appendix IV	Barium	mg/L	18	0	0%	0.000290	0.637	↔	-0.0000412	0.622	↔	2023-05-23	0.035
13_2_4_104	MW-03	Appendix IV	Beryllium	mg/L	18	11	61%	0.000000845	0.721	↔	-0.0000000445	0.313	↔	2023-02-06	0.097
13_2_4_106	MW-03	Appendix IV	Cadmium	mg/L	18	17	94%	0.000000926	0.320	↔	-0.000000139	0.124	↔	2023-05-22	0.230
13_2_4_109	MW-03	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.00000374	0.460	↔	-0.000000818	0.551	↔	2023-10-23	0.271
13_2_4_110	MW-03	Appendix IV	Cobalt	mg/L	18	0	0%	0.00000131	0.328	↔	-0.000000526	0.157	↔	2023-08-21	0.199

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
13_2_4_113	MW-03	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.00327	0.129	↔	0.000269	0.182	↔	2023-04-29	0.299
13_2_4_115	MW-03	Appendix IV	Lead	mg/L	18	17	94%	0.00000955	0.335	↔	-0.000000759	0.001	↓	2023-02-06	0.593
13_2_4_116	MW-03	Appendix IV	Lithium	mg/L	18	0	0%	-0.0000414	0.076	↔	-0.00000167	0.855	↔	2024-01-26	0.580
13_2_4_117	MW-03	Appendix IV	Mercury	ng/L	18	14	78%	0.0379	0.598	↔	-0.350	0.000	↓	2024-06-16	0.801
13_2_4_118	MW-03	Appendix IV	Molybdenum	mg/L	18	13	72%	0.0000106	0.757	↔	-0.00000116	0.081	↔	2023-02-06	0.206
13_2_4_121	MW-03	Appendix IV	Radium 226 and 228	pCi/L	17	3	18%	-0.00108	0.019	↔	0.00246	0.060	↔	2025-02-23	0.476
13_2_4_122	MW-03	Appendix IV	Selenium	mg/L	18	3	17%	0.000000164	0.761	↔	-0.000000207	0.564	↔	2024-02-14	0.040
13_2_4_125	MW-03	Appendix IV	Thallium	mg/L	18	17	94%	0.000000660	0.251	↔	-0.000000402	0.018	↔	2023-09-04	0.430
13_2_5_111	MW-03	Part 115	Copper	mg/L	18	9	50%	0.000000740	0.332	↔	-0.000000793	0.126	↔	2024-04-06	0.210
13_2_5_114	MW-03	Part 115	Iron	mg/L	18	0	0%	-0.0220	0.001	↓	0.000113	0.877	↔	2023-06-07	0.785
13_2_5_119	MW-03	Part 115	Nickel	mg/L	18	1	6%	-0.0000407	0.149	↔	-0.000000154	0.952	↔	2023-04-23	0.315
13_2_5_123	MW-03	Part 115	Silver	mg/L	18	18	100%	0.00000175	0.292	↔	-0.000000120	0.063	↔	2023-02-07	0.273
13_2_5_128	MW-03	Part 115	Vanadium	mg/L	18	9	50%	0.00000112	0.333	↔	-0.000000388	0.833	↔	2024-07-18	0.105
14_2_3_105	MW-04	Appendix III	Boron	mg/L	18	0	0%	0.00110	0.079	↔	-0.00816	0.000	↓	2025-01-08	0.801
14_2_3_108	MW-04	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.253	0.029	↔	-0.147	0.004	↓	2023-12-31	0.859
14_2_3_120	MW-04	Appendix III	pH (field)	su	18	0	0%	-0.000146	0.279	↔	-0.00118	0.267	↔	2025-04-21	0.519
14_2_3_124	MW-04	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	3.09	0.234	↔	0.0364	0.818	↔	2023-04-18	0.375
14_2_3_126	MW-04	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.232	0.702	↔	-0.654	0.298	↔	2024-05-11	0.150
14_2_4_101	MW-04	Appendix IV	Antimony	mg/L	18	12	67%	0.00000192	0.254	↔	-0.000000135	0.393	↔	2023-04-24	0.174
14_2_4_103	MW-04	Appendix IV	Barium	mg/L	18	0	0%	-0.000926	0.398	↔	-0.0000200	0.767	↔	2023-04-18	0.244
14_2_4_106	MW-04	Appendix IV	Cadmium	mg/L	18	18	100%	0.000000887	0.346	↔	-0.000000133	0.146	↔	2023-05-22	0.209
14_2_4_109	MW-04	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.000000137	0.946	↔	-0.00000564	0.098	↔	2024-10-14	0.379
14_2_4_110	MW-04	Appendix IV	Cobalt	mg/L	18	0	0%	-0.000000492	0.200	↔	0.00000671	0.035	↔	2025-04-21	0.651
14_2_4_115	MW-04	Appendix IV	Lead	mg/L	18	15	83%	0.00000548	0.650	↔	-0.000000288	0.205	↔	2023-02-06	0.148
14_2_4_116	MW-04	Appendix IV	Lithium	mg/L	18	0	0%	0.0000443	0.500	↔	-0.0000272	0.044	↔	2023-08-06	0.313
14_2_4_117	MW-04	Appendix IV	Mercury	ng/L	18	14	78%	-0.0000000000184	1.000	↔	-0.371	0.000	↓	2024-09-07	0.844
14_2_4_118	MW-04	Appendix IV	Molybdenum	mg/L	18	2	11%	-0.0000000700	0.986	↔	0.0000204	0.006	↑	2024-09-26	0.675
14_2_4_121	MW-04	Appendix IV	Radium 226 and 228	pCi/L	18	6	33%	-0.00120	0.011	↔	0.000791	0.250	↔	2024-09-12	0.510
14_2_4_122	MW-04	Appendix IV	Selenium	mg/L	18	5	28%	0.000000407	0.081	↔	-0.00000125	0.475	↔	2025-04-21	0.227
14_2_4_125	MW-04	Appendix IV	Thallium	mg/L	18	18	100%	0.00000149	0.309	↔	-0.000000156	0.264	↔	2023-04-19	0.157
14_2_5_111	MW-04	Part 115	Copper	mg/L	18	13	72%	0.0000000832	0.810	↔	0.00000133	0.029	↔	2024-10-14	0.557
14_2_5_114	MW-04	Part 115	Iron	mg/L	18	0	0%	-0.00485	0.004	↓	0.0120	0.298	↔	2025-04-21	0.480
14_2_5_119	MW-04	Part 115	Nickel	mg/L	18	0	0%	0.0000385	0.196	↔	-0.00000850	0.140	↔	2023-06-28	0.235
14_2_5_123	MW-04	Part 115	Silver	mg/L	18	18	100%	0.00000175	0.292	↔	-0.000000120	0.063	↔	2023-02-07	0.273
14_2_5_128	MW-04	Part 115	Vanadium	mg/L	18	10	56%	0.000000805	0.000	↑	-0.00000102	0.043	↔	2024-10-30	0.664
14_2_5_129	MW-04	Part 115	Zinc	mg/L	18	10	56%	-0.000000297	0.825	↔	0.0000658	0.004	↑	2025-09-02	0.759
16_1_3_105	MW-06	Appendix III	Boron	mg/L	18	0	0%	-0.00499	0.215	↔	0.00456	0.095	↔	2024-04-06	0.259
16_1_3_107	MW-06	Appendix III	Calcium	mg/L	18	0	0%	0.616	0.275	↔	-0.0704	0.003	↓	2023-03-13	0.511
16_1_3_108	MW-06	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.227	0.001	↓	0.0502	0.170	↔	2024-02-13	0.722
16_1_3_112	MW-06	Appendix III	Fluoride	mg/L	18	0	0%	-0.000279	0.650	↔	0.000507	0.063	↔	2024-02-12	0.285
16_1_3_120	MW-06	Appendix III	pH (field)	su	18	0	0%	-0.00354	0.689	↔	0.000312	0.057	↔	2023-02-05	0.244
16_1_3_124	MW-06	Appendix III	Sulfate (as SO4)	mg/L	18	2	11%	-0.0345	0.352	↔	0.00791	0.431	↔	2023-10-23	0.152

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
16_1_4_101	MW-06	Appendix IV	Antimony	mg/L	18	16	89%	0.00000148	0.422	↔	-0.000000191	0.105	↔	2023-04-17	0.222
16_1_4_102	MW-06	Appendix IV	Arsenic	mg/L	18	0	0%	0.0000000706	0.651	↔	-0.00000284	0.236	↔	2025-10-16	0.161
16_1_4_103	MW-06	Appendix IV	Barium	mg/L	18	0	0%	-0.00159	0.437	↔	0.000136	0.287	↔	2023-04-17	0.160
16_1_4_104	MW-06	Appendix IV	Beryllium	mg/L	18	16	89%	-0.000000000502	0.223	↔	0.0000000427	0.000	↑	2025-10-18	0.872
16_1_4_106	MW-06	Appendix IV	Cadmium	mg/L	18	18	100%	0.000000887	0.350	↔	-0.000000133	0.145	↔	2023-05-22	0.209
16_1_4_109	MW-06	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.00000175	0.071	↔	0.00000000578	0.995	↔	2024-04-07	0.392
16_1_4_110	MW-06	Appendix IV	Cobalt	mg/L	18	0	0%	-0.000000417	0.031	↔	0.00000000799	0.978	↔	2024-07-18	0.477
16_1_4_113	MW-06	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.000279	0.650	↔	0.000507	0.063	↔	2024-02-12	0.285
16_1_4_115	MW-06	Appendix IV	Lead	mg/L	18	10	56%	-0.000000784	0.191	↔	0.0000000829	0.889	↔	2024-07-04	0.286
16_1_4_116	MW-06	Appendix IV	Lithium	mg/L	18	0	0%	-0.000177	0.023	↔	0.0000649	0.179	↔	2024-04-06	0.516
16_1_4_117	MW-06	Appendix IV	Mercury	ng/L	18	14	78%	0.000000000610	1.000	↔	-0.371	0.000	↓	2024-09-06	0.842
16_1_4_118	MW-06	Appendix IV	Molybdenum	mg/L	18	10	56%	-0.00000174	0.450	↔	-0.00000000626	0.995	↔	2023-12-22	0.145
16_1_4_121	MW-06	Appendix IV	Radium 226 and 228	pCi/L	18	3	17%	-0.000455	0.548	↔	0.000441	0.568	↔	2024-05-03	0.050
16_1_4_122	MW-06	Appendix IV	Selenium	mg/L	18	5	28%	0.000000209	0.341	↔	-0.000000131	0.161	↔	2024-02-12	0.197
16_1_4_125	MW-06	Appendix IV	Thallium	mg/L	18	18	100%	0.00000274	0.293	↔	-0.000000184	0.062	↔	2023-02-06	0.275
16_1_5_114	MW-06	Part 115	Iron	mg/L	18	0	0%	0.0145	0.257	↔	-0.0251	0.008	↓	2024-02-13	0.552
16_1_5_119	MW-06	Part 115	Nickel	mg/L	18	6	33%	-0.00000104	0.077	↔	0.000000321	0.179	↔	2023-12-28	0.377
16_1_5_123	MW-06	Part 115	Silver	mg/L	18	18	100%	0.00000180	0.589	↔	-0.000000121	0.050	↔	2023-02-05	0.274
16_1_5_128	MW-06	Part 115	Vanadium	mg/L	18	14	78%	0.0000000218	0.212	↔	-0.00000102	0.001	↓	2025-08-14	0.843
16_1_5_129	MW-06	Part 115	Zinc	mg/L	18	2	11%	-0.000100	0.388	↔	0.0000784	0.117	↔	2023-12-22	0.213
17_1_3_105	MW-07	Appendix III	Boron	mg/L	18	0	0%	-0.00178	0.082	↔	0.00939	0.233	↔	2025-07-01	0.267
17_1_3_107	MW-07	Appendix III	Calcium	mg/L	18	0	0%	0.0119	0.279	↔	0.0609	0.480	↔	2025-04-21	0.374
17_1_3_108	MW-07	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.0107	0.007	↓	0.00444	0.000	↑	2023-06-17	0.891
17_1_3_112	MW-07	Appendix III	Fluoride	mg/L	18	4	22%	-0.00000335	0.954	↔	0.000154	0.327	↔	2024-10-20	0.250
17_1_3_120	MW-07	Appendix III	pH (field)	su	18	0	0%	0.000227	0.466	↔	-0.000156	0.448	↔	2024-04-07	0.084
17_1_3_124	MW-07	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	-0.0983	0.176	↔	0.0187	0.011	↔	2023-04-19	0.436
17_1_3_126	MW-07	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.248	0.051	↔	0.00818	0.946	↔	2024-04-28	0.469
17_1_4_101	MW-07	Appendix IV	Antimony	mg/L	18	17	94%	0.000000279	0.000	↑	0.0000000000000881	1.000	↔	2023-07-09	0.911
17_1_4_102	MW-07	Appendix IV	Arsenic	mg/L	18	0	0%	0.0000000726	0.309	↔	-0.000000183	0.020	↔	2024-06-22	0.445
17_1_4_103	MW-07	Appendix IV	Barium	mg/L	18	0	0%	-0.000202	0.595	↔	0.000106	0.000	↑	2023-04-04	0.656
17_1_4_104	MW-07	Appendix IV	Beryllium	mg/L	18	13	72%	-0.00000000342	0.323	↔	0.000000542	0.000	↑	2025-10-15	0.945
17_1_4_106	MW-07	Appendix IV	Cadmium	mg/L	18	18	100%	0.000000221	0.000	↑	0.0000000000000847	1.000	↔	2023-07-30	0.853
17_1_4_109	MW-07	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.000000271	0.108	↔	-0.000000329	0.215	↔	2024-07-17	0.252
17_1_4_110	MW-07	Appendix IV	Cobalt	mg/L	18	0	0%	0.00000486	0.266	↔	0.0000000154	0.835	↔	2023-01-16	0.269
17_1_4_113	MW-07	Appendix IV	Fluoride (App IV)	mg/L	18	4	22%	-0.00000335	0.954	↔	0.000154	0.327	↔	2024-10-20	0.250
17_1_4_115	MW-07	Appendix IV	Lead	mg/L	18	18	100%	-0.000000617	0.000	↓	0.000000000000364	1.000	↔	2023-07-30	0.853
17_1_4_116	MW-07	Appendix IV	Lithium	mg/L	18	0	0%	-0.00000398	0.458	↔	0.00000201	0.368	↔	2024-02-12	0.117
17_1_4_117	MW-07	Appendix IV	Mercury	ng/L	18	17	94%	-0.000000000658	1.000	↔	-0.371	0.000	↓	2024-09-05	0.842
17_1_4_118	MW-07	Appendix IV	Molybdenum	mg/L	18	18	100%	-0.00000190	0.000	↓	0.000000000000952	1.000	↔	2023-07-30	0.853
17_1_4_121	MW-07	Appendix IV	Radium 226 and 228	pCi/L	18	2	11%	-0.000489	0.378	↔	0.000663	0.651	↔	2025-02-25	0.102
17_1_4_122	MW-07	Appendix IV	Selenium	mg/L	18	9	50%	-0.000000580	0.057	↔	0.00000000260	0.946	↔	2023-06-26	0.536
17_1_5_111	MW-07	Part 115	Copper	mg/L	18	14	78%	0.000000192	0.077	↔	-0.000000485	0.273	↔	2025-02-26	0.260

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Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
17_1_5_114	MW-07	Part 115	Iron	mg/L	18	0	0%	0.00518	0.011	↔	-0.00346	0.809	↔	2025-04-21	0.451
17_1_5_119	MW-07	Part 115	Nickel	mg/L	18	14	78%	0.0000000423	0.660	↔	-0.00000146	0.000	↓	2025-01-18	0.861
17_1_5_129	MW-07	Part 115	Zinc	mg/L	18	10	56%	-0.0000163	0.403	↔	0.0000330	0.108	↔	2024-05-23	0.273
18_1_3_105	MW-08	Appendix III	Boron	mg/L	18	0	0%	0.0712	0.281	↔	-0.00143	0.214	↔	2023-02-06	0.396
18_1_3_107	MW-08	Appendix III	Calcium	mg/L	18	0	0%	-0.106	0.119	↔	-0.00464	0.791	↔	2023-08-10	0.371
18_1_3_112	MW-08	Appendix III	Fluoride	mg/L	18	0	0%	0.00955	0.317	↔	0.0000293	0.857	↔	2023-02-06	0.405
18_1_3_120	MW-08	Appendix III	pH (field)	su	18	0	0%	0.00520	0.366	↔	-0.0000188	0.926	↔	2023-03-13	0.268
18_1_3_124	MW-08	Appendix III	Sulfate (as SO4)	mg/L	18	5	28%	-0.0919	0.492	↔	0.0254	0.167	↔	2023-05-31	0.164
18_1_4_101	MW-08	Appendix IV	Antimony	mg/L	18	10	56%	0.00000120	0.564	↔	-0.0000000545	0.143	↔	2023-02-06	0.207
18_1_4_102	MW-08	Appendix IV	Arsenic	mg/L	18	0	0%	0.00000939	0.461	↔	0.000230	0.036	↔	2025-07-21	0.581
18_1_4_103	MW-08	Appendix IV	Barium	mg/L	18	0	0%	-0.000770	0.274	↔	0.000423	0.152	↔	2024-02-02	0.225
18_1_4_104	MW-08	Appendix IV	Beryllium	mg/L	18	17	94%	0.0000000299	0.160	↔	-0.0000000715	0.206	↔	2025-02-25	0.235
18_1_4_106	MW-08	Appendix IV	Cadmium	mg/L	18	17	94%	0.000000218	0.001	↑	0.00000000357	0.807	↔	2023-08-11	0.761
18_1_4_109	MW-08	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.00000743	0.270	↔	-0.000000651	0.000	↓	2023-01-24	0.714
18_1_4_113	MW-08	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.00955	0.317	↔	0.0000293	0.857	↔	2023-02-06	0.405
18_1_4_115	MW-08	Appendix IV	Lead	mg/L	18	12	67%	0.00000118	0.281	↔	-0.00000214	0.229	↔	2024-10-15	0.169
18_1_4_116	MW-08	Appendix IV	Lithium	mg/L	18	0	0%	0.00134	0.049	↔	-0.0000511	0.000	↓	2023-01-15	0.670
18_1_4_117	MW-08	Appendix IV	Mercury	ng/L	18	17	94%	-0.0000000000212	1.000	↔	-0.372	0.000	↓	2024-09-06	0.842
18_1_4_118	MW-08	Appendix IV	Molybdenum	mg/L	18	1	6%	-0.00000818	0.270	↔	0.00000158	0.120	↔	2023-06-23	0.236
18_1_4_121	MW-08	Appendix IV	Radium 226 and 228	pCi/L	18	5	28%	-0.00101	0.100	↔	0.000163	0.862	↔	2024-07-18	0.300
18_1_4_122	MW-08	Appendix IV	Selenium	mg/L	18	6	33%	-0.0000000139	0.873	↔	-0.000000271	0.257	↔	2025-02-25	0.208
18_1_4_125	MW-08	Appendix IV	Thallium	mg/L	18	17	94%	0.0000000242	0.160	↔	-0.0000000579	0.206	↔	2025-02-25	0.235
18_1_5_111	MW-08	Part 115	Copper	mg/L	18	6	33%	0.000000370	0.092	↔	-0.000000765	0.184	↔	2025-02-25	0.304
18_1_5_114	MW-08	Part 115	Iron	mg/L	18	0	0%	-0.113	0.050	↔	-0.00760	0.032	↔	2023-03-22	0.687
18_1_5_119	MW-08	Part 115	Nickel	mg/L	18	0	0%	0.00000928	0.010	↔	-0.00000830	0.337	↔	2024-10-16	0.441
18_1_5_128	MW-08	Part 115	Vanadium	mg/L	18	15	83%	0.000000115	0.215	↔	-0.00000145	0.002	↓	2025-02-26	0.754
19_2_3_107	MW-09	Appendix III	Calcium	mg/L	18	0	0%	1.28	0.107	↔	0.128	0.015	↔	2023-03-14	0.650
19_2_3_108	MW-09	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.0305	0.560	↔	0.0495	0.000	↑	2023-07-12	0.762
19_2_3_112	MW-09	Appendix III	Fluoride	mg/L	18	0	0%	0.00261	0.132	↔	-0.000360	0.128	↔	2023-06-07	0.295
19_2_3_120	MW-09	Appendix III	pH (field)	su	18	0	0%	0.00150	0.451	↔	-0.000363	0.000	↓	2023-03-13	0.662
19_2_3_124	MW-09	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	3.51	0.136	↔	0.380	0.015	↔	2023-03-26	0.660
19_2_3_126	MW-09	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	4.73	0.093	↔	0.556	0.004	↑	2023-04-04	0.750
19_2_4_101	MW-09	Appendix IV	Antimony	mg/L	18	12	67%	0.00000150	0.407	↔	-0.000000178	0.125	↔	2023-04-17	0.215
19_2_4_103	MW-09	Appendix IV	Barium	mg/L	18	0	0%	-0.00774	0.182	↔	-0.000141	0.687	↔	2023-04-17	0.446
19_2_4_104	MW-09	Appendix IV	Beryllium	mg/L	18	13	72%	0.0000000429	0.105	↔	-0.0000000489	0.648	↔	2025-02-25	0.224
19_2_4_110	MW-09	Appendix IV	Cobalt	mg/L	18	0	0%	0.00000328	0.455	↔	-0.000000252	0.132	↔	2023-02-20	0.188
19_2_4_113	MW-09	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.00261	0.132	↔	-0.000360	0.128	↔	2023-06-07	0.295
19_2_4_115	MW-09	Appendix IV	Lead	mg/L	18	17	94%	0.00000486	0.705	↔	-0.000000322	0.186	↔	2023-02-05	0.139
19_2_4_116	MW-09	Appendix IV	Lithium	mg/L	18	0	0%	-0.0000862	0.207	↔	0.0000632	0.166	↔	2024-02-13	0.219
19_2_4_117	MW-09	Appendix IV	Mercury	ng/L	18	14	78%	3.93	0.165	↔	-1.64	0.042	↔	2023-10-23	0.344
19_2_4_118	MW-09	Appendix IV	Molybdenum	mg/L	18	0	0%	-0.0000981	0.028	↔	0.0000136	0.003	↑	2023-05-22	0.613
19_2_5_119	MW-09	Part 115	Nickel	mg/L	18	0	0%	0.0000454	0.076	↔	-0.0000481	0.638	↔	2025-02-25	0.264

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
19_2_5_123	MW-09	Part 115	Silver	mg/L	18	18	100%	0.000000836	0.224	↔	-0.000000110	0.098	↔	2023-04-18	0.254
19_2_5_128	MW-09	Part 115	Vanadium	mg/L	18	15	83%	-0.000000000000000257	1.000	↔	-0.00000131	0.019	↔	2025-07-27	0.549
20_3_3_105	MW-10	Appendix III	Boron	mg/L	18	0	0%	-0.306	0.300	↔	0.0135	0.019	↔	2023-01-10	0.371
20_3_3_107	MW-10	Appendix III	Calcium	mg/L	18	0	0%	0.331	0.121	↔	-0.271	0.206	↔	2024-05-30	0.251
20_3_3_112	MW-10	Appendix III	Fluoride	mg/L	18	0	0%	-0.00328	0.394	↔	0.00262	0.307	↔	2024-04-06	0.122
20_3_3_120	MW-10	Appendix III	pH (field)	su	18	0	0%	0.00184	0.594	↔	-0.000491	0.144	↔	2023-05-22	0.162
20_3_3_124	MW-10	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	1.17	0.110	↔	-1.28	0.088	↔	2024-04-07	0.339
20_3_3_126	MW-10	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	1.53	0.034	↔	-1.22	0.266	↔	2024-07-17	0.343
20_3_4_101	MW-10	Appendix IV	Antimony	mg/L	18	14	78%	0.00000119	0.358	↔	-0.000000188	0.132	↔	2023-04-22	0.198
20_3_4_103	MW-10	Appendix IV	Barium	mg/L	18	0	0%	-0.000124	0.429	↔	0.00112	0.016	↔	2024-12-18	0.574
20_3_4_104	MW-10	Appendix IV	Beryllium	mg/L	18	8	44%	0.000000347	0.413	↔	-0.0000000465	0.249	↔	2023-05-22	0.156
20_3_4_106	MW-10	Appendix IV	Cadmium	mg/L	18	18	100%	0.000000887	0.351	↔	-0.000000133	0.146	↔	2023-05-22	0.209
20_3_4_109	MW-10	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.00000272	0.489	↔	0.00000396	0.327	↔	2024-06-03	0.108
20_3_4_110	MW-10	Appendix IV	Cobalt	mg/L	18	1	6%	-0.000000691	0.389	↔	0.000000312	0.699	↔	2024-06-27	0.105
20_3_4_113	MW-10	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.00328	0.394	↔	0.00262	0.307	↔	2024-04-06	0.122
20_3_4_115	MW-10	Appendix IV	Lead	mg/L	18	16	89%	0.00000793	0.242	↔	-0.000000647	0.016	↔	2023-02-06	0.394
20_3_4_116	MW-10	Appendix IV	Lithium	mg/L	18	0	0%	0.00223	0.667	↔	-0.0000985	0.600	↔	2023-03-13	0.066
20_3_4_117	MW-10	Appendix IV	Mercury	ng/L	18	15	83%	1.29	0.117	↔	-1.25	0.134	↔	2024-04-07	0.288
20_3_4_118	MW-10	Appendix IV	Molybdenum	mg/L	18	0	0%	-0.0000129	0.079	↔	-0.00000121	0.368	↔	2023-07-22	0.563
20_3_4_122	MW-10	Appendix IV	Selenium	mg/L	18	1	6%	0.000000389	0.400	↔	-0.000000298	0.131	↔	2024-02-12	0.193
20_3_4_125	MW-10	Appendix IV	Thallium	mg/L	18	18	100%	0.00000392	0.197	↔	-0.000000209	0.067	↔	2023-02-06	0.297
20_3_5_111	MW-10	Part 115	Copper	mg/L	18	15	83%	-0.000000301	0.504	↔	-0.00000000000725	1.000	↔	2024-09-30	0.088
20_3_5_114	MW-10	Part 115	Iron	mg/L	18	0	0%	0.00172	0.387	↔	-0.00785	0.355	↔	2025-04-11	0.114
20_3_5_119	MW-10	Part 115	Nickel	mg/L	18	7	39%	-0.000000299	0.452	↔	0.00000150	0.172	↔	2025-02-25	0.173
20_3_5_123	MW-10	Part 115	Silver	mg/L	18	18	100%	0.00000179	0.579	↔	-0.000000120	0.051	↔	2023-02-05	0.273
20_3_5_129	MW-10	Part 115	Zinc	mg/L	18	7	39%	-0.00000235	0.751	↔	0.000182	0.008	↑	2025-07-17	0.637
21_2_3_105	MW-11	Appendix III	Boron	mg/L	18	0	0%	-0.0723	0.119	↔	0.00624	0.037	↔	2023-03-14	0.371
21_2_3_107	MW-11	Appendix III	Calcium	mg/L	18	0	0%	-0.0282	0.627	↔	-0.570	0.514	↔	2025-08-14	0.205
21_2_3_108	MW-11	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.0513	0.128	↔	0.0355	0.290	↔	2024-04-07	0.215
21_2_3_112	MW-11	Appendix III	Fluoride	mg/L	18	0	0%	-0.00694	0.337	↔	0.000652	0.025	↔	2023-03-13	0.363
21_2_3_120	MW-11	Appendix III	pH (field)	su	18	0	0%	-0.000193	0.015	↔	0.00120	0.272	↔	2025-09-08	0.390
21_2_3_124	MW-11	Appendix III	Sulfate (as SO4)	mg/L	18	7	39%	-0.152	0.216	↔	0.0105	0.931	↔	2024-05-25	0.239
21_2_3_126	MW-11	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2.53	0.246	↔	-0.393	0.066	↔	2023-04-19	0.280
21_2_4_101	MW-11	Appendix IV	Antimony	mg/L	18	13	72%	-0.000000236	0.333	↔	0.000000185	0.774	↔	2024-11-12	0.092
21_2_4_102	MW-11	Appendix IV	Arsenic	mg/L	18	0	0%	-0.000000775	0.497	↔	0.00000766	0.022	↔	2025-01-20	0.491
21_2_4_103	MW-11	Appendix IV	Barium	mg/L	18	0	0%	-0.00313	0.234	↔	0.000305	0.072	↔	2023-04-17	0.328
21_2_4_104	MW-11	Appendix IV	Beryllium	mg/L	18	13	72%	0.000000257	0.169	↔	-0.000000180	0.336	↔	2024-04-07	0.182
21_2_4_106	MW-11	Appendix IV	Cadmium	mg/L	18	15	83%	-0.000000315	0.399	↔	0.000000189	0.617	↔	2024-06-13	0.088
21_2_4_109	MW-11	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.0000236	0.182	↔	0.000000922	0.570	↔	2023-04-18	0.214
21_2_4_110	MW-11	Appendix IV	Cobalt	mg/L	18	0	0%	-0.000000123	0.877	↔	0.00000246	0.472	↔	2025-03-30	0.085
21_2_4_113	MW-11	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.00694	0.337	↔	0.000652	0.025	↔	2023-03-13	0.363
21_2_4_115	MW-11	Appendix IV	Lead	mg/L	18	3	17%	-0.000203	0.200	↔	0.0000121	0.407	↔	2023-04-29	0.224

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Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
21_2_4_116	MW-11	Appendix IV	Lithium	mg/L	18	0	0%	-0.00110	0.124	↔	0.0000654	0.140	↔	2023-03-20	0.314
21_2_4_117	MW-11	Appendix IV	Mercury	ng/L	18	13	72%	0.715	0.188	↔	-0.805	0.034	↔	2024-04-06	0.354
21_2_4_118	MW-11	Appendix IV	Molybdenum	mg/L	18	2	11%	-0.0000132	0.261	↔	0.00000182	0.021	↔	2023-04-10	0.372
21_2_4_121	MW-11	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	-0.00109	0.066	↔	0.000731	0.426	↔	2024-08-01	0.297
21_2_4_122	MW-11	Appendix IV	Selenium	mg/L	18	3	17%	0.000000366	0.295	↔	-0.000000204	0.374	↔	2024-02-13	0.130
21_2_4_125	MW-11	Appendix IV	Thallium	mg/L	18	17	94%	0.00000242	0.591	↔	-0.000000175	0.038	↔	2023-02-07	0.297
21_2_5_111	MW-11	Part 115	Copper	mg/L	18	4	22%	-0.0000553	0.342	↔	0.00000158	0.659	↔	2023-04-16	0.212
21_2_5_119	MW-11	Part 115	Nickel	mg/L	18	0	0%	-0.00000258	0.592	↔	0.0000149	0.256	↔	2024-12-06	0.194
21_2_5_123	MW-11	Part 115	Silver	mg/L	18	15	83%	0.000000438	0.646	↔	-0.0000000718	0.235	↔	2023-04-17	0.113
21_2_5_128	MW-11	Part 115	Vanadium	mg/L	18	13	72%	0.00000168	0.235	↔	-0.00000115	0.220	↔	2024-04-06	0.199
21_2_5_129	MW-11	Part 115	Zinc	mg/L	18	4	22%	-0.000223	0.037	↔	0.0000747	0.013	↔	2023-09-01	0.489
22_2_3_107	MW-12	Appendix III	Calcium	mg/L	18	0	0%	-0.0107	0.585	↔	0.0380	0.807	↔	2025-04-23	0.027
22_2_3_108	MW-12	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.0312	0.608	↔	-0.0000125	0.997	↔	2023-04-18	0.090
22_2_3_112	MW-12	Appendix III	Fluoride	mg/L	18	0	0%	-0.00332	0.339	↔	-0.0000204	0.737	↔	2023-02-06	0.403
22_2_3_120	MW-12	Appendix III	pH (field)	su	18	0	0%	0.00411	0.537	↔	-0.000287	0.254	↔	2023-03-12	0.145
22_2_3_124	MW-12	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	-0.425	0.047	↔	-0.0643	0.004	↓	2023-04-21	0.768
22_2_3_126	MW-12	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-0.162	0.469	↔	0.144	0.335	↔	2024-02-13	0.106
22_2_4_101	MW-12	Appendix IV	Antimony	mg/L	18	0	0%	-0.00000139	0.302	↔	0.000000600	0.285	↔	2023-11-15	0.146
22_2_4_102	MW-12	Appendix IV	Arsenic	mg/L	18	0	0%	0.000000531	0.711	↔	0.00000480	0.433	↔	2025-02-26	0.207
22_2_4_103	MW-12	Appendix IV	Barium	mg/L	18	0	0%	0.0000807	0.603	↔	0.0000563	0.073	↔	2023-08-06	0.451
22_2_4_106	MW-12	Appendix IV	Cadmium	mg/L	18	0	0%	0.000000587	0.914	↔	0.00000589	0.117	↔	2024-03-21	0.354
22_2_4_109	MW-12	Appendix IV	Chromium, Total	mg/L	18	6	33%	0.000000475	0.521	↔	-0.000000400	0.416	↔	2024-04-07	0.076
22_2_4_110	MW-12	Appendix IV	Cobalt	mg/L	18	5	28%	0.000000519	0.524	↔	0.00000245	0.269	↔	2025-02-25	0.311
22_2_4_113	MW-12	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.00332	0.339	↔	-0.0000204	0.737	↔	2023-02-06	0.403
22_2_4_115	MW-12	Appendix IV	Lead	mg/L	18	6	33%	0.000000133	0.339	↔	0.00000113	0.311	↔	2025-05-31	0.413
22_2_4_116	MW-12	Appendix IV	Lithium	mg/L	18	1	6%	0.00000776	0.369	↔	-0.00000126	0.446	↔	2023-06-27	0.099
22_2_4_117	MW-12	Appendix IV	Mercury	ng/L	18	12	67%	0.0777	0.252	↔	-0.348	0.000	↓	2024-05-15	0.824
22_2_4_118	MW-12	Appendix IV	Molybdenum	mg/L	18	0	0%	0.00000552	0.186	↔	-0.00000981	0.373	↔	2024-10-16	0.173
22_2_4_121	MW-12	Appendix IV	Radium 226 and 228	pCi/L	18	11	61%	0.00161	0.436	↔	-0.000145	0.262	↔	2023-04-18	0.166
22_2_4_122	MW-12	Appendix IV	Selenium	mg/L	18	0	0%	-0.00000780	0.172	↔	0.00000257	0.103	↔	2023-08-16	0.271
22_2_5_114	MW-12	Part 115	Iron	mg/L	18	6	33%	-0.000175	0.649	↔	0.000746	0.072	↔	2024-05-27	0.375
22_2_5_119	MW-12	Part 115	Nickel	mg/L	18	0	0%	-0.00000144	0.661	↔	0.00000476	0.043	↔	2024-04-07	0.380
22_2_5_128	MW-12	Part 115	Vanadium	mg/L	18	6	33%	0.00000108	0.098	↔	-0.00000136	0.189	↔	2024-10-15	0.287
22_2_5_129	MW-12	Part 115	Zinc	mg/L	18	0	0%	0.00000392	0.368	↔	0.0000406	0.039	↔	2025-02-26	0.662
26_1_3_105	MW-16	Appendix III	Boron	mg/L	8	0	0%	0.000244	0.410	↔	-0.00107	0.446	↔	2025-10-16	0.281
26_1_3_112	MW-16	Appendix III	Fluoride	mg/L	8	1	12%	-0.000257	0.738	↔	0.000137	0.352	↔	2024-10-16	0.236
26_1_3_126	MW-16	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	0.590	0.358	↔	-0.281	0.355	↔	2025-01-15	0.429
26_1_4_101	MW-16	Appendix IV	Antimony	mg/L	8	7	88%	0.0000000310	0.567	↔	-0.0000000141	0.193	↔	2024-10-16	0.423
26_1_4_110	MW-16	Appendix IV	Cobalt	mg/L	8	0	0%	0.000000453	0.504	↔	-0.000000379	0.265	↔	2025-01-07	0.357
26_1_4_113	MW-16	Appendix IV	Fluoride (App IV)	mg/L	8	1	12%	-0.000257	0.738	↔	0.000137	0.352	↔	2024-10-16	0.236
26_1_4_117	MW-16	Appendix IV	Mercury	ng/L	8	6	75%	0.00000000140	1.000	↔	-0.372	0.059	↔	2024-09-06	0.754
26_1_4_122	MW-16	Appendix IV	Selenium	mg/L	8	1	12%	0.00000000265	0.994	↔	0.000000239	0.202	↔	2025-02-24	0.487

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Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
26_1_5_111	MW-16	Part 115	Copper	mg/L	8	4	50%	-0.00000000209	0.988	↔	0.000000684	0.327	↔	2025-08-13	0.578
26_1_5_114	MW-16	Part 115	Iron	mg/L	8	0	0%	-0.00711	0.567	↔	0.0233	0.692	↔	2025-08-14	0.145
26_1_5_119	MW-16	Part 115	Nickel	mg/L	8	1	12%	0.00000275	0.405	↔	0.0000381	0.054	↔	2025-08-13	0.910
27_1_3_108	MW-17	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	-0.0135	0.400	↔	-0.185	0.056	↔	2025-10-13	0.836
27_1_3_112	MW-17	Appendix III	Fluoride	mg/L	8	0	0%	-0.000185	0.727	↔	0.000749	0.207	↔	2025-02-03	0.589
27_1_4_101	MW-17	Appendix IV	Antimony	mg/L	8	6	75%	-0.0000000521	0.449	↔	0.0000118	0.000	↑	2025-10-21	0.998
27_1_4_102	MW-17	Appendix IV	Arsenic	mg/L	8	0	0%	-0.00000202	0.526	↔	0.000000192	0.951	↔	2025-02-03	0.171
27_1_4_104	MW-17	Appendix IV	Beryllium	mg/L	8	7	88%	0.0000000338	0.293	↔	-0.0000000282	0.373	↔	2025-02-03	0.389
27_1_4_113	MW-17	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	-0.000185	0.727	↔	0.000749	0.207	↔	2025-02-03	0.589
27_1_4_115	MW-17	Appendix IV	Lead	mg/L	8	1	12%	0.000000989	0.478	↔	-0.000000640	0.641	↔	2025-02-03	0.178
27_1_4_117	MW-17	Appendix IV	Mercury	ng/L	8	6	75%	-0.369	0.049	↔	0.0197	0.977	↔	2025-09-23	0.772
27_1_4_118	MW-17	Appendix IV	Molybdenum	mg/L	8	0	0%	-0.00000236	0.377	↔	0.000106	0.001	↑	2025-10-21	0.971
28_1_3_105	MW-18	Appendix III	Boron	mg/L	18	0	0%	0.00337	0.000	↑	-0.00216	0.118	↔	2024-12-31	0.863
28_1_3_107	MW-18	Appendix III	Calcium	mg/L	18	0	0%	-1.14	0.126	↔	-0.00275	0.949	↔	2023-04-02	0.418
28_1_3_108	MW-18	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.00294	0.437	↔	-0.0833	0.145	↔	2025-09-26	0.275
28_1_3_112	MW-18	Appendix III	Fluoride	mg/L	18	0	0%	0.00426	0.409	↔	-0.000246	0.719	↔	2023-06-26	0.133
28_1_3_120	MW-18	Appendix III	pH (field)	su	18	0	0%	0.000618	0.075	↔	0.0000427	0.493	↔	2023-08-02	0.567
28_1_3_124	MW-18	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	-7.77	0.310	↔	-0.0366	0.785	↔	2023-02-07	0.416
28_1_3_126	MW-18	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-4.49	0.231	↔	-0.265	0.064	↔	2023-03-12	0.586
28_1_4_101	MW-18	Appendix IV	Antimony	mg/L	18	3	17%	-0.0000000267	0.910	↔	0.00000139	0.181	↔	2025-04-12	0.255
28_1_4_102	MW-18	Appendix IV	Arsenic	mg/L	18	0	0%	0.0000220	0.027	↔	-0.0000231	0.349	↔	2024-10-16	0.348
28_1_4_103	MW-18	Appendix IV	Barium	mg/L	18	0	0%	0.00000131	0.806	↔	0.0000359	0.400	↔	2025-04-21	0.289
28_1_4_104	MW-18	Appendix IV	Beryllium	mg/L	18	14	78%	0.000000000774	0.600	↔	0.0000000500	0.033	↔	2025-10-02	0.549
28_1_4_106	MW-18	Appendix IV	Cadmium	mg/L	18	7	39%	-0.000000198	0.215	↔	0.00000286	0.032	↔	2025-05-19	0.597
28_1_4_109	MW-18	Appendix IV	Chromium, Total	mg/L	18	16	89%	0.000000189	0.095	↔	-0.000000523	0.259	↔	2025-04-20	0.257
28_1_4_110	MW-18	Appendix IV	Cobalt	mg/L	18	0	0%	-0.0000289	0.000	↓	-0.000000778	0.046	↔	2023-04-17	0.917
28_1_4_113	MW-18	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.00426	0.409	↔	-0.000246	0.719	↔	2023-06-26	0.133
28_1_4_115	MW-18	Appendix IV	Lead	mg/L	18	11	61%	-0.000000413	0.207	↔	0.000000152	0.859	↔	2024-11-17	0.181
28_1_4_116	MW-18	Appendix IV	Lithium	mg/L	18	0	0%	-0.00000140	0.875	↔	0.0000196	0.604	↔	2025-04-20	0.036
28_1_4_117	MW-18	Appendix IV	Mercury	ng/L	18	15	83%	0.0000000000455	1.000	↔	-0.369	0.000	↓	2024-09-05	0.840
28_1_4_121	MW-18	Appendix IV	Radium 226 and 228	pCi/L	18	10	56%	-0.000175	0.584	↔	0.0000776	0.879	↔	2024-09-25	0.044
28_1_4_122	MW-18	Appendix IV	Selenium	mg/L	18	0	0%	0.000000407	0.486	↔	0.00000630	0.182	↔	2025-08-11	0.328
28_1_4_125	MW-18	Appendix IV	Thallium	mg/L	18	17	94%	0.00000188	0.696	↔	-0.000000106	0.227	↔	2023-02-07	0.128
28_1_5_111	MW-18	Part 115	Copper	mg/L	18	0	0%	0.000000327	0.488	↔	0.00000188	0.612	↔	2025-04-21	0.216
28_1_5_114	MW-18	Part 115	Iron	mg/L	18	0	0%	-0.0456	0.104	↔	-0.000271	0.783	↔	2023-02-27	0.484
28_1_5_119	MW-18	Part 115	Nickel	mg/L	18	0	0%	-0.0000445	0.009	↓	0.000000941	0.499	↔	2023-05-01	0.638
28_1_5_123	MW-18	Part 115	Silver	mg/L	18	18	100%	0.0000000234	0.906	↔	-0.000000108	0.418	↔	2024-02-13	0.105
28_1_5_128	MW-18	Part 115	Vanadium	mg/L	18	17	94%	-0.0000000000000159	1.000	↔	-0.00000106	0.000	↓	2025-02-11	0.878
28_1_5_129	MW-18	Part 115	Zinc	mg/L	18	0	0%	-0.0000697	0.153	↔	0.000346	0.014	↔	2025-01-04	0.515
29_1_3_105	MW-19	Appendix III	Boron	mg/L	18	0	0%	-0.0176	0.371	↔	0.000743	0.037	↔	2023-01-15	0.315
29_1_3_107	MW-19	Appendix III	Calcium	mg/L	18	0	0%	-0.378	0.111	↔	-0.0432	0.324	↔	2023-07-22	0.537
29_1_3_108	MW-19	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.241	0.003	↓	-0.0131	0.050	↔	2023-04-23	0.809

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
29_1_3_112	MW-19	Appendix III	Fluoride	mg/L	18	0	0%	-0.000834	0.189	↔	0.0000666	0.870	↔	2024-04-07	0.309
29_1_3_120	MW-19	Appendix III	pH (field)	su	18	0	0%	0.00104	0.454	↔	-0.000270	0.049	↔	2023-05-03	0.281
29_1_3_124	MW-19	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	-5.35	0.419	↔	-0.115	0.307	↔	2023-02-07	0.419
29_1_3_126	MW-19	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-2.44	0.002	↓	-0.231	0.082	↔	2023-06-28	0.809
29_1_4_101	MW-19	Appendix IV	Antimony	mg/L	18	12	67%	0.00000000574	0.974	↔	0.00000219	0.408	↔	2025-08-12	0.218
29_1_4_102	MW-19	Appendix IV	Arsenic	mg/L	18	0	0%	0.000000915	0.646	↔	-0.00000933	0.096	↔	2024-10-16	0.474
29_1_4_103	MW-19	Appendix IV	Barium	mg/L	18	0	0%	-0.0000950	0.115	↔	-0.00000147	0.676	↔	2023-04-05	0.479
29_1_4_104	MW-19	Appendix IV	Beryllium	mg/L	18	3	17%	-0.000000119	0.600	↔	0.0000000503	0.414	↔	2023-09-20	0.067
29_1_4_106	MW-19	Appendix IV	Cadmium	mg/L	18	16	89%	-0.0000000237	0.831	↔	0.000000783	0.382	↔	2025-06-27	0.142
29_1_4_109	MW-19	Appendix IV	Chromium, Total	mg/L	18	5	28%	-0.00000156	0.154	↔	-0.0000000515	0.717	↔	2023-05-22	0.335
29_1_4_110	MW-19	Appendix IV	Cobalt	mg/L	18	1	6%	-0.00000147	0.201	↔	0.000000916	0.064	↔	2023-12-19	0.295
29_1_4_113	MW-19	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.000834	0.189	↔	0.0000666	0.870	↔	2024-04-07	0.309
29_1_4_115	MW-19	Appendix IV	Lead	mg/L	18	18	100%	-0.00000114	0.481	↔	-0.000000153	0.726	↔	2023-10-20	0.205
29_1_4_116	MW-19	Appendix IV	Lithium	mg/L	18	0	0%	-0.0000538	0.059	↔	0.00000372	0.737	↔	2024-02-12	0.585
29_1_4_117	MW-19	Appendix IV	Mercury	ng/L	18	16	89%	-0.0000000000127	1.000	↔	-0.372	0.000	↓	2024-09-06	0.841
29_1_4_118	MW-19	Appendix IV	Molybdenum	mg/L	18	0	0%	-0.00000812	0.500	↔	0.0000170	0.004	↑	2024-02-12	0.553
29_1_4_121	MW-19	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	0.00531	0.564	↔	-0.000280	0.086	↔	2023-02-07	0.250
29_1_4_122	MW-19	Appendix IV	Selenium	mg/L	18	11	61%	-0.000000258	0.198	↔	0.0000244	0.000	↑	2025-09-24	0.933
29_1_4_125	MW-19	Appendix IV	Thallium	mg/L	18	17	94%	0.00000363	0.261	↔	-0.000000130	0.272	↔	2023-02-08	0.183
29_1_5_111	MW-19	Part 115	Copper	mg/L	18	14	78%	-0.000000801	0.477	↔	0.0000000510	0.810	↔	2023-07-19	0.081
29_1_5_114	MW-19	Part 115	Iron	mg/L	18	0	0%	0.0109	0.024	↔	-0.0265	0.002	↓	2024-09-12	0.645
29_1_5_119	MW-19	Part 115	Nickel	mg/L	18	1	6%	-0.00000722	0.811	↔	0.00000615	0.145	↔	2023-05-22	0.207
29_1_5_123	MW-19	Part 115	Silver	mg/L	18	18	100%	0.00000178	0.602	↔	-0.000000121	0.049	↔	2023-02-07	0.277
29_1_5_128	MW-19	Part 115	Vanadium	mg/L	18	14	78%	-0.00000237	0.385	↔	0.000000134	0.854	↔	2023-08-28	0.117
29_1_5_129	MW-19	Part 115	Zinc	mg/L	18	10	56%	0.000000946	0.947	↔	0.000347	0.007	↑	2025-05-25	0.769
30_1_3_105	MW-20	Appendix III	Boron	mg/L	18	0	0%	-0.0000458	0.930	↔	0.000413	0.239	↔	2024-02-26	0.208
30_1_3_107	MW-20	Appendix III	Calcium	mg/L	18	0	0%	-0.0148	0.647	↔	0.0845	0.336	↔	2025-02-25	0.092
30_1_3_108	MW-20	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.0883	0.406	↔	-0.0583	0.000	↓	2023-05-20	0.767
30_1_3_112	MW-20	Appendix III	Fluoride	mg/L	18	0	0%	-0.00829	0.000	↓	0.0000285	0.358	↔	2023-01-08	0.782
30_1_3_120	MW-20	Appendix III	pH (field)	su	18	0	0%	0.000108	0.371	↔	-0.000370	0.465	↔	2025-02-26	0.099
30_1_3_124	MW-20	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	-0.193	0.151	↔	0.0128	0.715	↔	2023-08-23	0.259
30_1_3_126	MW-20	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.0321	0.858	↔	-0.334	0.083	↔	2024-04-08	0.444
30_1_4_101	MW-20	Appendix IV	Antimony	mg/L	18	7	39%	0.0000000410	0.810	↔	0.000000458	0.323	↔	2025-01-18	0.219
30_1_4_102	MW-20	Appendix IV	Arsenic	mg/L	18	0	0%	0.000000161	0.525	↔	-0.00000333	0.372	↔	2025-10-09	0.104
30_1_4_103	MW-20	Appendix IV	Barium	mg/L	18	0	0%	-0.00943	0.083	↔	0.0000990	0.277	↔	2023-01-23	0.515
30_1_4_104	MW-20	Appendix IV	Beryllium	mg/L	18	17	94%	0.00000000558	0.314	↔	-0.00000000354	0.132	↔	2024-02-12	0.219
30_1_4_106	MW-20	Appendix IV	Cadmium	mg/L	18	17	94%	0.0000000674	0.492	↔	0.000000272	0.306	↔	2025-02-25	0.303
30_1_4_109	MW-20	Appendix IV	Chromium, Total	mg/L	18	9	50%	-0.000000164	0.296	↔	0.00000801	0.000	↑	2025-08-03	0.862
30_1_4_110	MW-20	Appendix IV	Cobalt	mg/L	18	0	0%	-0.000000841	0.004	↓	0.00000179	0.109	↔	2025-02-26	0.511
30_1_4_113	MW-20	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.00829	0.000	↓	0.0000285	0.358	↔	2023-01-08	0.782
30_1_4_115	MW-20	Appendix IV	Lead	mg/L	18	0	0%	-0.000000709	0.703	↔	0.00000720	0.162	↔	2025-01-20	0.242
30_1_4_116	MW-20	Appendix IV	Lithium	mg/L	18	0	0%	0.0000221	0.780	↔	-0.0000267	0.092	↔	2023-06-28	0.292

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Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
30_1_4_117	MW-20	Appendix IV	Mercury	ng/L	18	14	78%	0.000000000346	1.000	↔	-0.353	0.000	↓	2024-09-02	0.833
30_1_4_118	MW-20	Appendix IV	Molybdenum	mg/L	18	0	0%	0.00000151	0.106	↔	-0.00000331	0.178	↔	2024-10-21	0.295
30_1_4_121	MW-20	Appendix IV	Radium 226 and 228	pCi/L	17	8	47%	-0.0185	0.059	↔	0.000114	0.487	↔	2023-01-15	0.509
30_1_4_122	MW-20	Appendix IV	Selenium	mg/L	18	10	56%	-0.000000154	0.208	↔	0.000000299	0.353	↔	2024-12-07	0.160
30_1_4_125	MW-20	Appendix IV	Thallium	mg/L	18	17	94%	0.0000000279	0.176	↔	-0.0000000177	0.192	↔	2024-02-13	0.219
30_1_5_111	MW-20	Part 115	Copper	mg/L	18	2	11%	0.000000306	0.680	↔	0.00000326	0.306	↔	2025-03-31	0.258
30_1_5_114	MW-20	Part 115	Iron	mg/L	18	0	0%	-0.00217	0.640	↔	-0.00728	0.137	↔	2024-04-08	0.467
30_1_5_119	MW-20	Part 115	Nickel	mg/L	18	0	0%	-0.00000440	0.576	↔	0.0000371	0.093	↔	2025-02-12	0.280
30_1_5_128	MW-20	Part 115	Vanadium	mg/L	18	18	100%	-0.00000000000259	1.000	↔	-0.00000113	0.000	↓	2025-02-09	0.884
30_1_5_129	MW-20	Part 115	Zinc	mg/L	18	0	0%	-0.0000772	0.333	↔	0.0000688	0.049	↔	2024-01-25	0.293
38_1_3_107	MW-28	Appendix III	Calcium	mg/L	8	0	0%	0.0804	0.293	↔	-0.454	0.239	↔	2025-08-14	0.616
38_1_3_108	MW-28	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.781	0.026	↔	-0.468	0.013	↔	2025-02-04	0.911
38_1_3_124	MW-28	Appendix III	Sulfate (as SO4)	mg/L	8	2	25%	0.0907	0.479	↔	-0.0360	0.790	↔	2025-03-29	0.209
38_1_3_126	MW-28	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	1.59	0.087	↔	-1.47	0.012	↔	2025-02-20	0.868
38_1_4_102	MW-28	Appendix IV	Arsenic	mg/L	8	0	0%	0.00000333	0.280	↔	-0.0000117	0.134	↔	2025-08-13	0.559
38_1_4_103	MW-28	Appendix IV	Barium	mg/L	8	0	0%	0.00353	0.341	↔	-0.000827	0.240	↔	2024-08-27	0.447
38_1_4_109	MW-28	Appendix IV	Chromium, Total	mg/L	8	0	0%	-0.0000156	0.120	↔	-0.0000293	0.496	↔	2025-08-14	0.759
38_1_4_110	MW-28	Appendix IV	Cobalt	mg/L	8	0	0%	0.00000483	0.383	↔	-0.00000165	0.775	↔	2025-04-20	0.338
38_1_4_117	MW-28	Appendix IV	Mercury	ng/L	8	3	38%	-0.460	0.018	↔	0.309	0.624	↔	2025-09-22	0.847
38_1_4_122	MW-28	Appendix IV	Selenium	mg/L	8	0	0%	-0.0000000484	0.525	↔	0.0000119	0.000	↑	2025-10-19	0.998
38_1_5_114	MW-28	Part 115	Iron	mg/L	8	0	0%	0.0157	0.529	↔	-0.318	0.048	↔	2025-10-10	0.778
38_1_5_119	MW-28	Part 115	Nickel	mg/L	8	0	0%	0.0000116	0.659	↔	-0.00000719	0.572	↔	2025-02-26	0.195
38_1_5_128	MW-28	Part 115	Vanadium	mg/L	8	2	25%	0.00000108	0.442	↔	-0.000000336	0.220	↔	2024-08-01	0.437
40_1_3_105	MW-30	Appendix III	Boron	mg/L	18	0	0%	-0.000708	0.239	↔	0.000836	0.598	↔	2025-02-24	0.175
40_1_3_107	MW-30	Appendix III	Calcium	mg/L	18	0	0%	-0.388	0.654	↔	0.0510	0.828	↔	2023-08-08	0.023
40_1_3_108	MW-30	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.353	0.600	↔	1.52	0.000	↑	2023-12-15	0.822
40_1_3_120	MW-30	Appendix III	pH (field)	su	18	0	0%	0.00308	0.418	↔	-0.000129	0.343	↔	2023-03-12	0.202
40_1_3_124	MW-30	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	-0.0240	0.876	↔	-1.01	0.415	↔	2025-05-20	0.219
40_1_3_126	MW-30	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-0.416	0.823	↔	2.27	0.010	↑	2023-12-28	0.571
40_1_4_101	MW-30	Appendix IV	Antimony	mg/L	18	14	78%	-0.0000000237	0.960	↔	0.000000976	0.213	↔	2024-10-15	0.228
40_1_4_102	MW-30	Appendix IV	Arsenic	mg/L	18	2	11%	-0.000000198	0.946	↔	0.00000610	0.055	↔	2024-05-02	0.496
40_1_4_103	MW-30	Appendix IV	Barium	mg/L	18	0	0%	-0.000452	0.048	↔	0.0000371	0.011	↔	2023-04-05	0.547
40_1_4_104	MW-30	Appendix IV	Beryllium	mg/L	18	14	78%	0.0000000466	0.626	↔	-0.000000181	0.485	↔	2025-02-24	0.052
40_1_4_106	MW-30	Appendix IV	Cadmium	mg/L	18	17	94%	0.000000820	0.510	↔	-0.0000000158	0.891	↔	2023-05-21	0.110
40_1_4_109	MW-30	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.0000779	0.449	↔	0.00000189	0.606	↔	2023-02-16	0.103
40_1_4_110	MW-30	Appendix IV	Cobalt	mg/L	18	0	0%	-0.00000750	0.924	↔	0.00000817	0.448	↔	2023-05-22	0.065
40_1_4_115	MW-30	Appendix IV	Lead	mg/L	18	16	89%	0.000000386	0.982	↔	0.0000530	0.269	↔	2025-01-08	0.223
40_1_4_116	MW-30	Appendix IV	Lithium	mg/L	18	0	0%	-0.000101	0.506	↔	0.0000626	0.327	↔	2024-01-18	0.098
40_1_4_117	MW-30	Appendix IV	Mercury	ng/L	18	16	89%	0.209	0.157	↔	-0.418	0.000	↓	2024-04-06	0.685
40_1_4_122	MW-30	Appendix IV	Selenium	mg/L	18	7	39%	-0.00000150	0.384	↔	0.000000543	0.251	↔	2023-08-12	0.145
40_1_5_111	MW-30	Part 115	Copper	mg/L	18	12	67%	-0.000000269	0.945	↔	0.0000102	0.337	↔	2024-11-12	0.217
40_1_5_114	MW-30	Part 115	Iron	mg/L	18	0	0%	0.00602	0.103	↔	-0.0242	0.395	↔	2025-04-20	0.236

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
40_1_5_119	MW-30	Part 115	Nickel	mg/L	18	3	17%	0.0000468	0.100	↔	-0.0000922	0.427	↔	2025-02-25	0.218
40_1_5_123	MW-30	Part 115	Silver	mg/L	18	17	94%	0.00000176	0.659	↔	-0.0000000741	0.278	↔	2023-02-05	0.131
40_1_5_128	MW-30	Part 115	Vanadium	mg/L	18	15	83%	-0.00000104	0.905	↔	0.0000167	0.245	↔	2024-09-22	0.211
40_1_5_129	MW-30	Part 115	Zinc	mg/L	18	10	56%	-0.00000800	0.896	↔	0.0000732	0.088	↔	2024-03-21	0.348
41_1_3_105	MW-31	Appendix III	Boron	mg/L	18	0	0%	0.00105	0.093	↔	0.00645	0.189	↔	2025-04-20	0.655
41_1_3_107	MW-31	Appendix III	Calcium	mg/L	18	0	0%	-0.217	0.373	↔	0.0689	0.145	↔	2023-07-05	0.195
41_1_3_108	MW-31	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.0306	0.398	↔	0.0890	0.026	↔	2024-04-22	0.512
41_1_3_112	MW-31	Appendix III	Fluoride	mg/L	18	0	0%	-0.000590	0.016	↔	-0.00616	0.003	↓	2025-05-27	0.879
41_1_3_120	MW-31	Appendix III	pH (field)	su	18	0	0%	0.000140	0.623	↔	-0.0000979	0.735	↔	2024-04-08	0.026
41_1_4_101	MW-31	Appendix IV	Antimony	mg/L	18	7	39%	0.0000000809	0.875	↔	0.00000115	0.004	↑	2024-03-18	0.697
41_1_4_102	MW-31	Appendix IV	Arsenic	mg/L	18	0	0%	-0.000000161	0.547	↔	0.0000568	0.000	↑	2025-10-15	0.969
41_1_4_103	MW-31	Appendix IV	Barium	mg/L	18	0	0%	-0.0000544	0.737	↔	0.000166	0.135	↔	2024-02-12	0.279
41_1_4_106	MW-31	Appendix IV	Cadmium	mg/L	18	17	94%	0.000000217	0.000	↑	-0.00000000384	0.713	↔	2023-08-15	0.849
41_1_4_109	MW-31	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.000000713	0.198	↔	0.00000708	0.383	↔	2025-08-12	0.418
41_1_4_110	MW-31	Appendix IV	Cobalt	mg/L	18	3	17%	-0.0000000223	0.706	↔	0.00000746	0.000	↑	2025-10-12	0.918
41_1_4_113	MW-31	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.000590	0.016	↔	-0.00616	0.003	↓	2025-05-27	0.879
41_1_4_115	MW-31	Appendix IV	Lead	mg/L	18	13	72%	-0.000000151	0.062	↔	0.00000121	0.002	↑	2025-03-18	0.695
41_1_4_116	MW-31	Appendix IV	Lithium	mg/L	18	0	0%	-0.0000223	0.243	↔	0.0000250	0.201	↔	2024-04-08	0.213
41_1_4_117	MW-31	Appendix IV	Mercury	ng/L	18	14	78%	-0.0000000000999	1.000	↔	-0.368	0.000	↓	2024-09-04	0.839
41_1_4_118	MW-31	Appendix IV	Molybdenum	mg/L	18	0	0%	-0.000000549	0.761	↔	0.0000354	0.000	↑	2025-04-14	0.793
41_1_4_121	MW-31	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	-0.000195	0.323	↔	0.00273	0.096	↔	2025-08-02	0.277
41_1_4_122	MW-31	Appendix IV	Selenium	mg/L	18	6	33%	-0.0000000411	0.750	↔	0.000320	0.000	↑	2025-10-20	1.000
41_1_4_125	MW-31	Appendix IV	Thallium	mg/L	18	17	94%	0.0000000104	0.313	↔	-0.00000000661	0.132	↔	2024-02-11	0.219
41_1_5_111	MW-31	Part 115	Copper	mg/L	18	10	56%	0.0000000736	0.401	↔	0.0000150	0.000	↑	2025-07-31	0.988
41_1_5_114	MW-31	Part 115	Iron	mg/L	18	0	0%	-0.00137	0.008	↓	0.0450	0.000	↑	2025-10-08	0.864
41_1_5_128	MW-31	Part 115	Vanadium	mg/L	18	12	67%	0.000000132	0.294	↔	-0.000000201	0.319	↔	2024-10-14	0.142
42_1_3_107	MW-32	Appendix III	Calcium	mg/L	18	0	0%	-0.0405	0.037	↔	0.508	0.072	↔	2025-09-03	0.466
42_1_3_108	MW-32	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.0200	0.079	↔	0.0204	0.011	↔	2024-02-12	0.502
42_1_3_112	MW-32	Appendix III	Fluoride	mg/L	18	0	0%	0.000260	0.211	↔	-0.00113	0.053	↔	2024-10-16	0.501
42_1_3_124	MW-32	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	-0.145	0.124	↔	0.374	0.138	↔	2025-01-30	0.270
42_1_3_126	MW-32	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-0.241	0.037	↔	0.447	0.133	↔	2024-11-21	0.361
42_1_4_101	MW-32	Appendix IV	Antimony	mg/L	18	14	78%	0.000000566	0.234	↔	-0.000000321	0.110	↔	2024-02-11	0.268
42_1_4_102	MW-32	Appendix IV	Arsenic	mg/L	18	0	0%	0.00000161	0.274	↔	-0.00000115	0.070	↔	2024-02-11	0.273
42_1_4_104	MW-32	Appendix IV	Beryllium	mg/L	18	17	94%	0.0000000144	0.313	↔	-0.00000000914	0.132	↔	2024-02-11	0.219
42_1_4_109	MW-32	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.00000168	0.432	↔	-0.00000125	0.168	↔	2024-02-11	0.167
42_1_4_110	MW-32	Appendix IV	Cobalt	mg/L	18	0	0%	0.00000116	0.368	↔	-0.000000625	0.246	↔	2024-02-11	0.166
42_1_4_113	MW-32	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.000260	0.211	↔	-0.00113	0.053	↔	2024-10-16	0.501
42_1_4_115	MW-32	Appendix IV	Lead	mg/L	18	13	72%	-0.000000411	0.625	↔	0.0000000205	0.856	↔	2023-05-22	0.033
42_1_4_116	MW-32	Appendix IV	Lithium	mg/L	18	0	0%	-0.000429	0.530	↔	0.0000323	0.209	↔	2023-02-20	0.136
42_1_4_117	MW-32	Appendix IV	Mercury	ng/L	18	14	78%	1.29	0.201	↔	-1.25	0.069	↔	2024-04-06	0.289
42_1_4_118	MW-32	Appendix IV	Molybdenum	mg/L	18	0	0%	0.00000278	0.392	↔	-0.00000539	0.001	↓	2024-02-11	0.628
42_1_4_121	MW-32	Appendix IV	Radium 226 and 228	pCi/L	18	9	50%	0.00131	0.485	↔	-0.0000904	0.435	↔	2023-04-17	0.123

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
42_1_4_122	MW-32	Appendix IV	Selenium	mg/L	18	14	78%	0.000000442	0.542	↔	-0.000000435	0.159	↔	2024-02-11	0.159
42_1_5_111	MW-32	Part 115	Copper	mg/L	18	11	61%	0.0000129	0.302	↔	-0.00000810	0.126	↔	2024-02-11	0.226
42_1_5_114	MW-32	Part 115	Iron	mg/L	18	0	0%	-0.00905	0.011	↔	0.0313	0.002	↑	2025-01-04	0.649
42_1_5_119	MW-32	Part 115	Nickel	mg/L	18	0	0%	0.0000161	0.366	↔	-0.00000975	0.194	↔	2024-02-11	0.177
42_1_5_128	MW-32	Part 115	Vanadium	mg/L	18	18	100%	-0.00000000000258	1.000	↔	-0.00000114	0.000	↓	2025-02-08	0.884
42_1_5_129	MW-32	Part 115	Zinc	mg/L	18	0	0%	-0.0000565	0.640	↔	0.0000270	0.248	↔	2023-06-29	0.133
46_1_3_107	MW-36	Appendix III	Calcium	mg/L	8	0	0%	-0.0600	0.604	↔	0.0337	0.154	↔	2024-08-23	0.501
46_1_3_108	MW-36	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.0500	0.033	↔	-0.0245	0.001	↓	2024-07-29	0.966
46_1_3_112	MW-36	Appendix III	Fluoride	mg/L	8	0	0%	0.00115	0.582	↔	-0.000244	0.519	↔	2024-10-15	0.299
46_1_4_101	MW-36	Appendix IV	Antimony	mg/L	8	0	0%	0.00000336	0.659	↔	-0.00000307	0.410	↔	2025-02-25	0.233
46_1_4_102	MW-36	Appendix IV	Arsenic	mg/L	8	0	0%	-0.0000824	0.045	↔	-0.00000750	0.609	↔	2024-12-05	0.890
46_1_4_103	MW-36	Appendix IV	Barium	mg/L	8	0	0%	0.000179	0.165	↔	-0.000500	0.382	↔	2025-09-24	0.494
46_1_4_104	MW-36	Appendix IV	Beryllium	mg/L	8	7	88%	-0.0000000670	0.000	↓	0.000000000561	0.305	↔	2024-07-24	0.997
46_1_4_106	MW-36	Appendix IV	Cadmium	mg/L	8	0	0%	-0.000000729	0.430	↔	-0.000000487	0.811	↔	2025-04-21	0.363
46_1_4_113	MW-36	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	0.00115	0.582	↔	-0.000244	0.519	↔	2024-10-15	0.299
46_1_4_116	MW-36	Appendix IV	Lithium	mg/L	8	0	0%	0.00000976	0.332	↔	-0.0000392	0.412	↔	2025-10-17	0.342
46_1_5_114	MW-36	Part 115	Iron	mg/L	8	0	0%	0.00115	0.126	↔	-0.00325	0.321	↔	2025-10-14	0.578
46_1_5_119	MW-36	Part 115	Nickel	mg/L	8	0	0%	-0.0000261	0.141	↔	-0.00000387	0.206	↔	2024-10-15	0.903
46_1_5_123	MW-36	Part 115	Silver	mg/L	8	0	0%	-0.000000617	0.337	↔	-0.000000224	0.871	↔	2025-04-21	0.401
46_1_5_128	MW-36	Part 115	Vanadium	mg/L	8	0	0%	0.00000381	0.712	↔	-0.00000424	0.402	↔	2025-02-25	0.210
47_1_3_105	MW-37	Appendix III	Boron	mg/L	8	0	0%	-0.0130	0.593	↔	-0.0000799	0.985	↔	2024-07-18	0.136
47_1_3_107	MW-37	Appendix III	Calcium	mg/L	8	0	0%	-0.0333	0.469	↔	0.500	0.067	↔	2025-10-13	0.709
47_1_3_108	MW-37	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.0700	0.579	↔	-0.0436	0.100	↔	2024-08-24	0.596
47_1_3_120	MW-37	Appendix III	pH (field)	su	8	0	0%	-0.00320	0.147	↔	0.000555	0.152	↔	2024-07-23	0.614
47_1_4_101	MW-37	Appendix IV	Antimony	mg/L	8	1	12%	-0.00000216	0.001	↓	-0.0000000427	0.733	↔	2024-11-15	0.979
47_1_4_103	MW-37	Appendix IV	Barium	mg/L	8	0	0%	0.0000723	0.024	↔	0.000133	0.243	↔	2025-09-15	0.906
47_1_4_104	MW-37	Appendix IV	Beryllium	mg/L	8	7	88%	0.0000000478	0.292	↔	-0.0000000399	0.372	↔	2025-02-03	0.390
47_1_4_106	MW-37	Appendix IV	Cadmium	mg/L	8	5	62%	-0.000000158	0.034	↔	-0.000000000000506	1.000	↔	2025-04-04	0.878
47_1_4_116	MW-37	Appendix IV	Lithium	mg/L	8	0	0%	-0.0000359	0.101	↔	0.00000254	0.889	↔	2025-02-03	0.666
47_1_4_117	MW-37	Appendix IV	Mercury	ng/L	8	4	50%	-0.366	0.049	↔	-0.0450	0.946	↔	2025-09-02	0.771
47_1_4_121	MW-37	Appendix IV	Radium 226 and 228	pCi/L	8	5	62%	0.00195	0.496	↔	-0.000439	0.393	↔	2024-09-06	0.300
47_1_4_122	MW-37	Appendix IV	Selenium	mg/L	8	0	0%	-0.0000148	0.001	↓	-0.000000625	0.465	↔	2024-12-11	0.985
47_1_5_114	MW-37	Part 115	Iron	mg/L	8	1	12%	0.00322	0.169	↔	0.00942	0.363	↔	2025-08-12	0.777
47_1_5_123	MW-37	Part 115	Silver	mg/L	8	7	88%	0.000000363	0.586	↔	-0.000000162	0.208	↔	2024-10-14	0.403
47_1_5_129	MW-37	Part 115	Zinc	mg/L	8	0	0%	-0.0000168	0.136	↔	0.0000440	0.093	↔	2025-06-14	0.709
48_2_3_105	MW-38	Appendix III	Boron	mg/L	8	0	0%	0.00800	0.586	↔	-0.00275	0.321	↔	2024-07-22	0.331
48_2_3_112	MW-38	Appendix III	Fluoride	mg/L	8	0	0%	0.00328	0.582	↔	-0.00161	0.178	↔	2024-10-15	0.434
48_2_3_120	MW-38	Appendix III	pH (field)	su	8	0	0%	-0.00770	0.298	↔	0.000116	0.925	↔	2024-08-15	0.490
48_2_3_126	MW-38	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	-1.33	0.413	↔	-0.136	0.854	↔	2025-02-22	0.593
48_2_4_101	MW-38	Appendix IV	Antimony	mg/L	8	1	12%	0.00000233	0.614	↔	-0.00000365	0.144	↔	2025-01-13	0.511
48_2_4_102	MW-38	Appendix IV	Arsenic	mg/L	8	0	0%	-0.00000213	0.771	↔	-0.00000724	0.383	↔	2025-02-26	0.472
48_2_4_103	MW-38	Appendix IV	Barium	mg/L	8	0	0%	-0.000255	0.123	↔	-0.0000160	0.960	↔	2025-04-20	0.619

(Table continues on next page)

Table 9: Trend Tests: Piecewise Linear-Linear *(continued)*

								Line 1			Line 2				
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	R-Squared
48_2_4_104	MW-38	Appendix IV	Beryllium	mg/L	8	5	62%	0.000000150	0.452	↔	-0.0000000582	0.147	↔	2024-09-10	0.495
48_2_4_106	MW-38	Appendix IV	Cadmium	mg/L	8	3	38%	0.000000323	0.826	↔	-0.000000624	0.391	↔	2025-02-23	0.205
48_2_4_110	MW-38	Appendix IV	Cobalt	mg/L	8	0	0%	0.000000133	0.936	↔	-0.000000784	0.346	↔	2024-12-01	0.383
48_2_4_113	MW-38	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	0.00328	0.582	↔	-0.00161	0.178	↔	2024-10-15	0.434
48_2_4_117	MW-38	Appendix IV	Mercury	ng/L	8	4	50%	-0.318	0.068	↔	-0.0377	0.954	↔	2025-08-12	0.711
48_2_4_118	MW-38	Appendix IV	Molybdenum	mg/L	8	0	0%	0.0000347	0.385	↔	-0.0000416	0.341	↔	2025-02-26	0.365
48_2_4_122	MW-38	Appendix IV	Selenium	mg/L	8	0	0%	0.000000874	0.572	↔	-0.00000244	0.496	↔	2025-04-20	0.333
48_2_5_123	MW-38	Part 115	Silver	mg/L	8	5	62%	0.000000100	0.843	↔	-0.000000199	0.424	↔	2024-12-14	0.244
48_2_5_128	MW-38	Part 115	Vanadium	mg/L	8	1	12%	0.0000211	0.311	↔	-0.0000337	0.162	↔	2025-03-13	0.550

Table 10: Trend Tests: Piecewise Linear-Linear-Linear

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
11_2_3_105	MW-01R	Appendix III	Boron	mg/L	18	0	0%	-0.363	0.458	↔	0.914	0.554	↔	0.00306	0.931	↔	2023-04-01	2023-06-03	0.245
11_2_3_108	MW-01R	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-1.22	0.528	↔	0.666	0.286	↔	-0.0521	0.248	↔	2023-02-07	2023-06-02	0.241
11_2_3_112	MW-01R	Appendix III	Fluoride	mg/L	18	0	0%	-0.0632	0.185	↔	0.0423	0.772	↔	0.00299	0.378	↔	2023-03-22	2023-06-27	0.295
11_2_3_120	MW-01R	Appendix III	pH (field)	su	18	0	0%	0.00547	0.330	↔	-0.000553	0.751	↔	0.000217	0.755	↔	2023-04-15	2024-02-13	0.245
11_2_4_101	MW-01R	Appendix IV	Antimony	mg/L	18	3	17%	0.00000298	0.196	↔	-0.000000696	0.050	↔	0.00000426	0.033	↔	2023-04-18	2025-07-18	0.525
11_2_4_102	MW-01R	Appendix IV	Arsenic	mg/L	18	0	0%	0.00000271	0.303	↔	-0.00000385	0.358	↔	0.00000221	0.419	↔	2024-02-12	2025-01-16	0.228
11_2_4_104	MW-01R	Appendix IV	Beryllium	mg/L	18	2	11%	-0.000000271	0.027	↔	0.00000107	0.143	↔	-0.00000150	0.151	↔	2025-01-02	2025-09-25	0.483
11_2_4_106	MW-01R	Appendix IV	Cadmium	mg/L	18	13	72%	0.00000107	0.182	↔	-0.000000276	0.117	↔	0.00000112	0.196	↔	2023-05-23	2025-06-27	0.367
11_2_4_109	MW-01R	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.0000219	0.074	↔	-0.0000233	0.255	↔	0.00000674	0.751	↔	2024-02-13	2025-02-26	0.334
11_2_4_110	MW-01R	Appendix IV	Cobalt	mg/L	18	0	0%	0.00000657	0.405	↔	-0.00000201	0.172	↔	0.000176	0.000	↑	2023-06-27	2025-10-14	0.967
11_2_4_113	MW-01R	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.0632	0.185	↔	0.0423	0.772	↔	0.00299	0.378	↔	2023-03-22	2023-06-27	0.295
11_2_4_115	MW-01R	Appendix IV	Lead	mg/L	18	2	11%	0.00000652	0.436	↔	-0.00000297	0.115	↔	0.0000140	0.134	↔	2023-06-27	2025-05-27	0.410
11_2_4_118	MW-01R	Appendix IV	Molybdenum	mg/L	18	2	11%	0.00000479	0.152	↔	-0.00000946	0.345	↔	0.00000430	0.356	↔	2024-02-13	2025-01-03	0.325
11_2_4_121	MW-01R	Appendix IV	Radium 226 and 228	pCi/L	18	12	67%	0.00609	0.202	↔	-0.00104	0.606	↔	0.000236	0.394	↔	2023-02-09	2023-10-23	0.222
11_2_4_122	MW-01R	Appendix IV	Selenium	mg/L	18	0	0%	0.00000135	0.219	↔	-0.00000175	0.313	↔	0.000000735	0.512	↔	2024-02-12	2025-01-07	0.277
11_2_4_125	MW-01R	Appendix IV	Thallium	mg/L	18	18	100%	0.00000154	0.283	↔	-0.000000210	0.316	↔	-0.000000625	0.585	↔	2023-05-20	2025-06-26	0.344
11_2_5_111	MW-01R	Part 115	Copper	mg/L	18	6	33%	0.00000280	0.243	↔	-0.000000736	0.161	↔	0.00000376	0.152	↔	2023-06-27	2025-05-22	0.457
11_2_5_114	MW-01R	Part 115	Iron	mg/L	18	0	0%	-0.00288	0.637	↔	-0.000606	0.056	↔	0.0103	0.012	↔	2023-03-09	2025-10-10	0.624
11_2_5_119	MW-01R	Part 115	Nickel	mg/L	18	0	0%	0.0000187	0.147	↔	-0.0000181	0.280	↔	0.0000945	0.023	↔	2024-02-13	2025-08-07	0.496
11_2_5_123	MW-01R	Part 115	Silver	mg/L	18	18	100%	0.000000805	0.484	↔	-0.000000240	0.378	↔	-0.0000000189	0.915	↔	2023-04-11	2024-07-17	0.262
11_2_5_128	MW-01R	Part 115	Vanadium	mg/L	18	2	11%	0.0000134	0.096	↔	-0.00000153	0.737	↔	0.00000111	0.616	↔	2023-06-27	2024-07-03	0.470
12_2_3_112	MW-02	Appendix III	Fluoride	mg/L	18	0	0%	0.00217	0.610	↔	0.0117	0.130	↔	0.000460	0.954	↔	2024-03-24	2025-02-25	0.689
12_2_3_120	MW-02	Appendix III	pH (field)	su	18	0	0%	0.00104	0.258	↔	-0.000350	0.102	↔	0.000432	0.229	↔	2023-05-22	2025-01-16	0.365
12_2_3_126	MW-02	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	0.659	0.020	↔	-2.00	0.698	↔	2.83	0.067	↔	2025-02-19	2025-07-24	0.649
12_2_4_101	MW-02	Appendix IV	Antimony	mg/L	18	3	17%	0.00000204	0.092	↔	-0.000000661	0.147	↔	0.000000381	0.147	↔	2023-04-23	2024-07-03	0.426
12_2_4_102	MW-02	Appendix IV	Arsenic	mg/L	18	0	0%	0.0000164	0.261	↔	-0.0000228	0.360	↔	0.00000577	0.064	↔	2023-05-31	2024-02-12	0.493

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
12_2_4_103	MW-02	Appendix IV	Barium	mg/L	18	0	0%	0.000121	0.691	↔	-0.000770	0.134	↔	0.000567	0.096	↔	2024-02-12	2024-11-24	0.374
12_2_4_104	MW-02	Appendix IV	Beryllium	mg/L	18	1	6%	0.000000360	0.481	↔	-0.00000101	0.304	↔	0.000000267	0.262	↔	2023-09-06	2024-05-13	0.343
12_2_4_106	MW-02	Appendix IV	Cadmium	mg/L	18	12	67%	0.000000928	0.090	↔	0.00000202	0.092	↔	0.0000000487	0.836	↔	2024-05-06	2023-09-18	0.348
12_2_4_110	MW-02	Appendix IV	Cobalt	mg/L	18	0	0%	0.00000910	0.699	↔	-0.00000838	0.498	↔	0.00000885	0.052	↔	2023-04-28	2024-02-13	0.400
12_2_4_113	MW-02	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.00217	0.610	↔	0.0117	0.130	↔	0.000460	0.954	↔	2024-03-24	2025-02-25	0.689
12_2_4_121	MW-02	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	-0.00413	0.080	↔	0.000603	0.757	↔	0.00762	0.141	↔	2023-12-26	2025-08-07	0.542
12_2_4_122	MW-02	Appendix IV	Selenium	mg/L	18	0	0%	0.000000950	0.107	↔	-0.000000325	0.926	↔	0.00000503	0.336	↔	2025-01-06	2025-10-12	0.474
12_2_4_125	MW-02	Appendix IV	Thallium	mg/L	18	17	94%	0.00000215	0.597	↔	0.000000300	0.866	↔	-0.000000168	0.493	↔	2023-02-15	2023-10-23	0.115
12_2_5_114	MW-02	Part 115	Iron	mg/L	18	0	0%	0.0329	0.545	↔	-0.00411	0.434	↔	-0.00955	0.764	↔	2023-03-14	2025-05-13	0.191
12_2_5_119	MW-02	Part 115	Nickel	mg/L	18	0	0%	0.000250	0.624	↔	-0.0000703	0.263	↔	0.0000643	0.004	↑	2023-02-07	2024-01-23	0.580
12_2_5_123	MW-02	Part 115	Silver	mg/L	18	18	100%	0.00000123	0.151	↔	-0.00000106	0.192	↔	0.0000000253	0.741	↔	2023-04-11	2023-09-26	0.516
13_2_3_105	MW-03	Appendix III	Boron	mg/L	18	0	0%	0.000727	0.641	↔	-0.000189	0.749	↔	-0.00232	0.585	↔	2023-10-23	2025-09-03	0.143
13_2_3_107	MW-03	Appendix III	Calcium	mg/L	18	0	0%	0.215	0.368	↔	-0.175	0.232	↔	-0.00665	0.923	↔	2023-06-17	2024-06-02	0.404
13_2_3_108	MW-03	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.808	0.030	↔	-0.0877	0.086	↔	0.0134	0.884	↔	2023-04-13	2025-01-19	0.837
13_2_3_112	MW-03	Appendix III	Fluoride	mg/L	18	0	0%	-0.00326	0.160	↔	0.000145	0.821	↔	0.000424	0.503	↔	2023-04-22	2024-10-14	0.305
13_2_3_120	MW-03	Appendix III	pH (field)	su	18	0	0%	-0.000932	0.805	↔	0.00148	0.462	↔	-0.000105	0.227	↔	2023-02-02	2023-05-22	0.239
13_2_3_124	MW-03	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	4.37	0.000	↑	-2.73	0.166	↔	-0.426	0.003	↓	2023-04-24	2023-08-25	0.862
13_2_3_126	MW-03	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2.23	0.105	↔	-1.32	0.020	↔	-0.382	0.198	↔	2023-05-11	2024-05-19	0.807
13_2_4_101	MW-03	Appendix IV	Antimony	mg/L	18	12	67%	0.00000246	0.086	↔	-0.000000798	0.543	↔	-0.000000178	0.394	↔	2023-04-26	2023-12-22	0.439
13_2_4_103	MW-03	Appendix IV	Barium	mg/L	18	0	0%	0.000237	0.429	↔	-0.00113	0.635	↔	0.000178	0.326	↔	2024-02-01	2024-06-18	0.191
13_2_4_104	MW-03	Appendix IV	Beryllium	mg/L	18	11	61%	0.00000270	0.281	↔	-0.000000838	0.519	↔	-0.00000000992	0.855	↔	2023-01-12	2023-04-21	0.181
13_2_4_106	MW-03	Appendix IV	Cadmium	mg/L	18	17	94%	0.000000360	0.328	↔	-0.000000690	0.246	↔	0.000000113	0.766	↔	2024-02-13	2024-11-15	0.253
13_2_4_109	MW-03	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.00000429	0.433	↔	-0.000000488	0.812	↔	-0.00000517	0.725	↔	2023-09-06	2025-08-21	0.279
13_2_4_110	MW-03	Appendix IV	Cobalt	mg/L	18	0	0%	0.00000151	0.278	↔	-0.00000170	0.306	↔	0.0000000168	0.983	↔	2023-10-23	2024-08-13	0.272
13_2_4_113	MW-03	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.00326	0.160	↔	0.000145	0.821	↔	0.000424	0.503	↔	2023-04-22	2024-10-14	0.305
13_2_4_115	MW-03	Appendix IV	Lead	mg/L	18	17	94%	0.0000121	0.009	↑	-0.00000549	0.048	↔	-0.000000346	0.114	↔	2023-02-28	2023-07-21	0.785
13_2_4_116	MW-03	Appendix IV	Lithium	mg/L	18	0	0%	-0.0000726	0.423	↔	-0.0000279	0.204	↔	-0.00000162	0.908	↔	2023-04-17	2024-04-07	0.597
13_2_4_117	MW-03	Appendix IV	Mercury	ng/L	18	14	78%	0.00774	0.793	↔	-2.95	0.000	↓	0.000487	0.998	↔	2025-02-22	2025-04-21	0.935
13_2_4_118	MW-03	Appendix IV	Molybdenum	mg/L	18	13	72%	0.0000131	0.483	↔	-0.00000179	0.105	↔	0.00000300	0.662	↔	2023-02-07	2025-06-06	0.274
13_2_4_121	MW-03	Appendix IV	Radium 226 and 228	pCi/L	17	3	18%	-0.0162	0.173	↔	-0.000828	0.041	↔	0.00249	0.270	↔	2023-01-08	2025-03-21	0.608
13_2_4_122	MW-03	Appendix IV	Selenium	mg/L	18	3	17%	-0.00000152	0.333	↔	0.00000165	0.538	↔	-0.000000267	0.399	↔	2023-05-24	2023-10-27	0.154
13_2_4_125	MW-03	Appendix IV	Thallium	mg/L	18	17	94%	0.00000424	0.081	↔	-0.000000341	0.008	↓	-0.0000000530	0.969	↔	2023-02-24	2025-09-16	0.624
13_2_5_111	MW-03	Part 115	Copper	mg/L	18	9	50%	0.000000571	0.277	↔	-0.00000260	0.285	↔	0.000000578	0.809	↔	2024-10-14	2025-06-01	0.255
13_2_5_123	MW-03	Part 115	Silver	mg/L	18	18	100%	0.000000784	0.495	↔	-0.000000239	0.384	↔	-0.0000000194	0.913	↔	2023-04-12	2024-07-17	0.259
13_2_5_128	MW-03	Part 115	Vanadium	mg/L	18	9	50%	-0.00000252	0.527	↔	0.00000423	0.284	↔	-0.000000673	0.646	↔	2023-08-05	2024-04-15	0.216
14_2_3_105	MW-04	Appendix III	Boron	mg/L	18	0	0%	0.000960	0.069	↔	-0.00241	0.114	↔	-0.0160	0.001	↓	2024-09-16	2025-08-16	0.920
14_2_3_107	MW-04	Appendix III	Calcium	mg/L	18	0	0%	0.0938	0.599	↔	-0.177	0.567	↔	0.267	0.426	↔	2024-04-06	2025-03-30	0.105
14_2_3_112	MW-04	Appendix III	Fluoride	mg/L	18	0	0%	0.00179	0.226	↔	-0.00105	0.541	↔	0.00102	0.237	↔	2023-10-23	2024-07-30	0.427
14_2_4_101	MW-04	Appendix IV	Antimony	mg/L	18	12	67%	0.00000193	0.289	↔	-0.000000161	0.543	↔	0.00000000108	0.999	↔	2023-04-27	2025-06-06	0.176
14_2_4_103	MW-04	Appendix IV	Barium	mg/L	18	0	0%	-0.000865	0.464	↔	-0.0000566	0.788	↔	0.0000307	0.895	↔	2023-04-18	2024-10-03	0.250
14_2_4_106	MW-04	Appendix IV	Cadmium	mg/L	18	18	100%	0.000000978	0.335	↔	-0.000000200	0.381	↔	-0.00000000714	0.985	↔	2023-05-22	2024-12-16	0.224
14_2_4_110	MW-04	Appendix IV	Cobalt	mg/L	18	0	0%	-0.000000700	0.113	↔	0.00000956	0.070	↔	-0.000000351	0.939	↔	2025-04-09	2025-10-16	0.721

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
14_2_4_113	MW-04	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.00179	0.226	↔	-0.00105	0.541	↔	0.00102	0.237	↔	2023-10-23	2024-07-30	0.427
14_2_4_115	MW-04	Appendix IV	Lead	mg/L	18	15	83%	0.00000454	0.249	↔	-0.00000463	0.223	↔	0.000000211	0.555	↔	2023-04-10	2023-08-28	0.338
14_2_4_118	MW-04	Appendix IV	Molybdenum	mg/L	18	2	11%	-0.000000908	0.883	↔	0.00000922	0.156	↔	0.0000421	0.178	↔	2024-03-21	2025-08-11	0.721
14_2_4_122	MW-04	Appendix IV	Selenium	mg/L	18	5	28%	-0.0000000629	0.862	↔	0.00000183	0.285	↔	-0.00000205	0.235	↔	2024-07-27	2025-04-21	0.391
14_2_4_125	MW-04	Appendix IV	Thallium	mg/L	18	18	100%	0.00000313	0.631	↔	0.00000000659	0.980	↔	-0.000000346	0.562	↔	2023-02-05	2024-10-15	0.195
14_2_5_111	MW-04	Part 115	Copper	mg/L	18	13	72%	0.000000148	0.851	↔	-0.000000146	0.945	↔	0.00000134	0.042	↔	2024-02-05	2024-09-22	0.557
14_2_5_114	MW-04	Part 115	Iron	mg/L	18	0	0%	0.000352	0.819	↔	-0.0312	0.009	↓	0.0187	0.001	↑	2024-09-04	2025-03-09	0.826
14_2_5_119	MW-04	Part 115	Nickel	mg/L	18	0	0%	0.0000793	0.494	↔	-0.00000180	0.879	↔	-0.0000113	0.444	↔	2023-03-12	2024-08-08	0.249
14_2_5_123	MW-04	Part 115	Silver	mg/L	18	18	100%	0.000000784	0.495	↔	-0.000000239	0.385	↔	-0.0000000195	0.913	↔	2023-04-12	2024-07-17	0.259
14_2_5_128	MW-04	Part 115	Vanadium	mg/L	18	10	56%	0.00000000000407	1.000	↔	0.00000285	0.007	↑	-0.00000120	0.000	↓	2024-01-17	2024-08-15	0.839
14_2_5_129	MW-04	Part 115	Zinc	mg/L	18	10	56%	-0.00000581	0.448	↔	0.00000114	0.693	↔	0.0000651	0.007	↑	2023-08-07	2025-09-08	0.775
16_1_3_105	MW-06	Appendix III	Boron	mg/L	18	0	0%	-0.0235	0.500	↔	-0.00310	0.602	↔	0.00407	0.152	↔	2023-02-23	2024-04-06	0.306
16_1_3_107	MW-06	Appendix III	Calcium	mg/L	18	0	0%	0.0962	0.086	↔	-0.367	0.392	↔	0.0222	0.814	↔	2024-04-07	2024-11-20	0.585
16_1_3_108	MW-06	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.728	0.085	↔	-0.133	0.067	↔	0.0442	0.172	↔	2023-03-08	2024-04-06	0.817
16_1_3_112	MW-06	Appendix III	Fluoride	mg/L	18	0	0%	-0.00287	0.463	↔	0.000106	0.872	↔	0.000442	0.163	↔	2023-03-03	2024-03-12	0.364
16_1_3_120	MW-06	Appendix III	pH (field)	su	18	0	0%	-0.0113	0.089	↔	0.00836	0.016	↔	0.0000836	0.526	↔	2023-02-05	2023-04-21	0.682
16_1_3_126	MW-06	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-0.375	0.055	↔	0.110	0.324	↔	-1.88	0.013	↔	2023-12-10	2025-10-17	0.678
16_1_4_101	MW-06	Appendix IV	Antimony	mg/L	18	16	89%	0.00000162	0.251	↔	-0.000000295	0.346	↔	0.00000000000885	1.000	↔	2023-04-20	2024-12-05	0.241
16_1_4_102	MW-06	Appendix IV	Arsenic	mg/L	18	0	0%	-0.00000341	0.389	↔	0.00000191	0.258	↔	-0.000000351	0.135	↔	2023-03-04	2023-09-24	0.308
16_1_4_103	MW-06	Appendix IV	Barium	mg/L	18	0	0%	-0.00229	0.244	↔	0.000574	0.111	↔	-0.000364	0.346	↔	2023-04-17	2024-08-26	0.360
16_1_4_106	MW-06	Appendix IV	Cadmium	mg/L	18	18	100%	0.000000979	0.338	↔	-0.000000200	0.380	↔	-0.00000000353	0.993	↔	2023-05-22	2024-12-23	0.224
16_1_4_109	MW-06	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.0000106	0.251	↔	-0.0000141	0.129	↔	-0.000000399	0.334	↔	2023-03-10	2023-05-25	0.546
16_1_4_110	MW-06	Appendix IV	Cobalt	mg/L	18	0	0%	0.000000678	0.357	↔	-0.00000120	0.347	↔	0.00000000750	0.959	↔	2023-06-04	2024-01-21	0.606
16_1_4_113	MW-06	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.00287	0.463	↔	0.000106	0.872	↔	0.000442	0.163	↔	2023-03-03	2024-03-12	0.364
16_1_4_115	MW-06	Appendix IV	Lead	mg/L	18	10	56%	0.00000593	0.621	↔	-0.00000122	0.102	↔	0.000000188	0.750	↔	2023-02-05	2024-05-30	0.398
16_1_4_118	MW-06	Appendix IV	Molybdenum	mg/L	18	10	56%	0.00000956	0.093	↔	-0.0000133	0.237	↔	0.000000329	0.639	↔	2023-04-18	2023-08-11	0.458
16_1_4_121	MW-06	Appendix IV	Radium 226 and 228	pCi/L	18	3	17%	0.00656	0.405	↔	-0.00536	0.276	↔	0.000289	0.465	↔	2023-03-13	2023-07-03	0.217
16_1_4_122	MW-06	Appendix IV	Selenium	mg/L	18	5	28%	-0.000000260	0.669	↔	0.000000385	0.239	↔	-0.000000161	0.154	↔	2023-05-04	2024-02-13	0.274
16_1_4_125	MW-06	Appendix IV	Thallium	mg/L	18	18	100%	0.00000351	0.208	↔	-0.00000112	0.503	↔	-0.000000113	0.411	↔	2023-02-15	2023-06-30	0.315
16_1_5_111	MW-06	Part 115	Copper	mg/L	18	13	72%	0.000000190	0.024	↔	-0.000000318	0.373	↔	0.000000561	0.134	↔	2024-07-18	2025-06-03	0.527
16_1_5_114	MW-06	Part 115	Iron	mg/L	18	0	0%	0.0211	0.070	↔	-0.0733	0.042	↔	0.00518	0.741	↔	2024-04-01	2024-12-10	0.713
16_1_5_119	MW-06	Part 115	Nickel	mg/L	18	6	33%	-0.00000259	0.106	↔	-0.000000389	0.625	↔	0.000000261	0.343	↔	2023-04-18	2024-02-14	0.467
16_1_5_123	MW-06	Part 115	Silver	mg/L	18	18	100%	0.00000138	0.077	↔	-0.00000218	0.496	↔	-0.0000000519	0.536	↔	2023-04-21	2023-06-28	0.398
16_1_5_128	MW-06	Part 115	Vanadium	mg/L	18	14	78%	-0.000000244	0.587	↔	0.0000000323	0.202	↔	-0.00000104	0.000	↓	2023-02-27	2025-08-13	0.858
16_1_5_129	MW-06	Part 115	Zinc	mg/L	18	2	11%	-0.0000818	0.511	↔	0.0000425	0.829	↔	0.000122	0.357	↔	2023-12-25	2025-01-20	0.225
17_1_3_108	MW-07	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.0102	0.002	↓	0.00539	0.000	↑	0.000903	0.803	↔	2023-07-09	2025-05-30	0.912
17_1_3_120	MW-07	Appendix III	pH (field)	su	18	0	0%	-0.00202	0.712	↔	0.000289	0.490	↔	-0.000173	0.432	↔	2023-01-07	2024-04-07	0.109
17_1_3_124	MW-07	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	-0.0883	0.218	↔	0.0135	0.131	↔	0.124	0.181	↔	2023-04-18	2025-10-15	0.532
17_1_4_101	MW-07	Appendix IV	Antimony	mg/L	18	17	94%	0.000000279	0.000	↑	0.00000000000146	1.000	↔	-0.0000000000000381	1.000	↔	2023-07-09	2023-11-23	0.911
17_1_4_102	MW-07	Appendix IV	Arsenic	mg/L	18	0	0%	-0.000000381	0.426	↔	0.000000110	0.200	↔	-0.000000218	0.032	↔	2023-03-18	2024-08-05	0.517
17_1_4_106	MW-07	Appendix IV	Cadmium	mg/L	18	18	100%	0.000000221	0.001	↑	-0.00000000000536	1.000	↔	0.000000000000116	1.000	↔	2023-07-30	2023-12-07	0.853
17_1_4_109	MW-07	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.000000229	0.463	↔	0.00000124	0.605	↔	-0.000000515	0.014	↔	2023-12-18	2024-07-16	0.473

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
17_1_4_110	MW-07	Appendix IV	Cobalt	mg/L	18	0	0%	0.00000496	0.286	↔	-0.0000000336	0.775	↔	0.000000332	0.688	↔	2023-01-17	2025-06-04	0.295
17_1_4_115	MW-07	Appendix IV	Lead	mg/L	18	18	100%	-0.000000618	0.001	↓	-0.000000000000487	1.000	↔	0.0000000000000141	1.000	↔	2023-07-30	2024-01-13	0.853
17_1_4_116	MW-07	Appendix IV	Lithium	mg/L	18	0	0%	-0.00000424	0.324	↔	0.00000298	0.903	↔	0.00000157	0.721	↔	2024-02-13	2024-09-27	0.118
17_1_4_118	MW-07	Appendix IV	Molybdenum	mg/L	18	18	100%	-0.000000759	0.376	↔	-0.00000330	0.024	↔	0.0000000517	0.444	↔	2023-04-17	2023-07-25	0.902
17_1_4_121	MW-07	Appendix IV	Radium 226 and 228	pCi/L	18	2	11%	0.00119	0.615	↔	-0.00244	0.454	↔	0.000308	0.660	↔	2023-08-06	2024-03-19	0.180
17_1_4_122	MW-07	Appendix IV	Selenium	mg/L	18	9	50%	-0.000000674	0.010	↓	0.000000270	0.719	↔	-0.0000000550	0.342	↔	2023-07-19	2024-02-12	0.606
17_1_5_111	MW-07	Part 115	Copper	mg/L	18	14	78%	-0.00000000972	0.959	↔	0.000000594	0.693	↔	-0.000000697	0.054	↔	2024-04-22	2025-02-25	0.370
17_1_5_114	MW-07	Part 115	Iron	mg/L	18	0	0%	-0.0600	0.452	↔	0.0320	0.424	↔	0.00253	0.145	↔	2023-01-24	2023-05-22	0.526
17_1_5_119	MW-07	Part 115	Nickel	mg/L	18	14	78%	-0.0000000131	0.932	↔	0.000000314	0.800	↔	-0.00000146	0.000	↓	2024-04-22	2024-12-18	0.864
17_1_5_128	MW-07	Part 115	Vanadium	mg/L	18	12	67%	-0.0000000353	0.848	↔	0.00000150	0.176	↔	-0.000000401	0.054	↔	2024-03-15	2024-09-05	0.624
17_1_5_129	MW-07	Part 115	Zinc	mg/L	18	10	56%	-0.0000264	0.549	↔	0.00000267	0.896	↔	0.0000807	0.286	↔	2023-08-07	2025-05-15	0.358
18_1_3_105	MW-08	Appendix III	Boron	mg/L	18	0	0%	0.0802	0.208	↔	-0.00373	0.064	↔	0.00665	0.345	↔	2023-02-06	2025-02-26	0.533
18_1_3_107	MW-08	Appendix III	Calcium	mg/L	18	0	0%	-0.0897	0.027	↔	0.0475	0.047	↔	-0.286	0.043	↔	2024-01-19	2025-08-27	0.713
18_1_3_112	MW-08	Appendix III	Fluoride	mg/L	18	0	0%	0.000580	0.269	↔	-0.00191	0.642	↔	0.00194	0.050	↔	2024-06-28	2025-02-25	0.358
18_1_3_124	MW-08	Appendix III	Sulfate (as SO4)	mg/L	18	5	28%	-0.0660	0.088	↔	0.130	0.003	↑	-0.200	0.001	↓	2024-01-03	2025-04-19	0.771
18_1_4_101	MW-08	Appendix IV	Antimony	mg/L	18	10	56%	0.00000173	0.115	↔	-0.000000271	0.337	↔	0.0000000259	0.708	↔	2023-02-07	2023-12-23	0.351
18_1_4_102	MW-08	Appendix IV	Arsenic	mg/L	18	0	0%	0.000621	0.021	↔	-0.000137	0.187	↔	0.0000590	0.001	↑	2023-02-17	2023-10-23	0.742
18_1_4_104	MW-08	Appendix IV	Beryllium	mg/L	18	17	94%	-0.0000000240	0.645	↔	0.0000000791	0.344	↔	-0.000000103	0.076	↔	2023-12-23	2025-02-25	0.365
18_1_4_106	MW-08	Appendix IV	Cadmium	mg/L	18	17	94%	0.000000217	0.007	↑	0.0000000286	0.272	↔	-0.0000000466	0.414	↔	2023-07-13	2025-02-26	0.796
18_1_4_109	MW-08	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.0000142	0.030	↔	-0.00000174	0.090	↔	-0.000000339	0.066	↔	2023-01-12	2023-10-23	0.808
18_1_4_113	MW-08	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.000580	0.269	↔	-0.00191	0.642	↔	0.00194	0.050	↔	2024-06-28	2025-02-25	0.358
18_1_4_115	MW-08	Appendix IV	Lead	mg/L	18	12	67%	-0.00000175	0.407	↔	0.00000580	0.097	↔	-0.00000365	0.113	↔	2024-01-08	2024-10-16	0.406
18_1_4_116	MW-08	Appendix IV	Lithium	mg/L	18	0	0%	0.00134	0.039	↔	-0.0000715	0.000	↓	0.0000617	0.573	↔	2023-01-19	2025-05-13	0.755
18_1_4_121	MW-08	Appendix IV	Radium 226 and 228	pCi/L	18	5	28%	-0.00536	0.736	↔	-0.000732	0.329	↔	0.000163	0.870	↔	2023-02-06	2024-09-26	0.326
18_1_4_122	MW-08	Appendix IV	Selenium	mg/L	18	6	33%	-0.000000467	0.225	↔	0.000000350	0.780	↔	-0.000000148	0.134	↔	2023-07-06	2024-02-12	0.296
18_1_4_125	MW-08	Appendix IV	Thallium	mg/L	18	17	94%	-0.00000000666	0.771	↔	0.000000124	0.501	↔	-0.000000101	0.026	↔	2024-07-03	2025-02-25	0.454
18_1_5_111	MW-08	Part 115	Copper	mg/L	18	6	33%	-0.000000150	0.774	↔	0.00000138	0.115	↔	-0.000000778	0.172	↔	2024-01-14	2024-10-24	0.428
18_1_5_114	MW-08	Part 115	Iron	mg/L	18	0	0%	-0.104	0.005	↓	0.00256	0.628	↔	-0.0391	0.022	↔	2023-04-22	2025-03-13	0.825
18_1_5_119	MW-08	Part 115	Nickel	mg/L	18	0	0%	-0.00000151	0.834	↔	0.0000278	0.028	↔	-0.0000143	0.077	↔	2024-01-19	2024-10-16	0.628
18_1_5_128	MW-08	Part 115	Vanadium	mg/L	18	15	83%	-0.000000100	0.730	↔	0.000000279	0.547	↔	-0.00000156	0.000	↓	2023-11-26	2025-02-25	0.774
19_2_3_105	MW-09	Appendix III	Boron	mg/L	18	0	0%	-0.00690	0.367	↔	0.00710	0.327	↔	-0.00107	0.142	↔	2023-04-05	2023-08-15	0.273
19_2_3_108	MW-09	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.0257	0.336	↔	0.0968	0.035	↔	-0.0203	0.468	↔	2023-11-21	2025-02-24	0.864
19_2_3_120	MW-09	Appendix III	pH (field)	su	18	0	0%	0.00147	0.495	↔	-0.000349	0.127	↔	-0.000380	0.175	↔	2023-03-13	2024-08-30	0.663
19_2_3_126	MW-09	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	5.50	0.008	↑	-2.59	0.481	↔	0.848	0.003	↑	2023-05-05	2023-09-07	0.809
19_2_4_101	MW-09	Appendix IV	Antimony	mg/L	18	12	67%	0.00000167	0.226	↔	-0.000000260	0.201	↔	0.000000373	0.735	↔	2023-04-18	2025-06-23	0.254
19_2_4_102	MW-09	Appendix IV	Arsenic	mg/L	18	0	0%	-0.00000566	0.474	↔	0.00000161	0.394	↔	-0.00000188	0.144	↔	2023-04-06	2024-06-20	0.271
19_2_4_103	MW-09	Appendix IV	Barium	mg/L	18	0	0%	-0.00789	0.085	↔	0.000603	0.884	↔	-0.000262	0.691	↔	2023-04-27	2023-11-14	0.450
19_2_4_104	MW-09	Appendix IV	Beryllium	mg/L	18	13	72%	-0.0000000250	0.747	↔	0.000000121	0.333	↔	-0.0000000973	0.245	↔	2024-01-28	2025-02-24	0.350
19_2_4_106	MW-09	Appendix IV	Cadmium	mg/L	18	17	94%	0.00000109	0.161	↔	-0.000000150	0.279	↔	0.00000509	0.002	↑	2023-05-23	2025-10-16	0.723
19_2_4_109	MW-09	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.00000175	0.562	↔	-0.0000000522	0.946	↔	-0.00000823	0.223	↔	2023-07-14	2025-10-02	0.341
19_2_4_110	MW-09	Appendix IV	Cobalt	mg/L	18	0	0%	0.00000342	0.433	↔	-0.000000416	0.061	↔	0.00000202	0.428	↔	2023-03-01	2025-09-06	0.323
19_2_4_115	MW-09	Appendix IV	Lead	mg/L	18	17	94%	0.0000106	0.380	↔	-0.00000349	0.226	↔	0.0000000980	0.761	↔	2023-02-05	2023-08-07	0.370

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
19_2_4_117	MW-09	Appendix IV	Mercury	ng/L	18	14	78%	4.50	0.059	↔	-3.24	0.364	↔	-0.319	0.891	↔	2023-11-11	2024-11-16	0.380
19_2_4_118	MW-09	Appendix IV	Molybdenum	mg/L	18	0	0%	-0.0000412	0.031	↔	0.0000422	0.140	↔	0.0000110	0.548	↔	2024-01-06	2024-10-17	0.567
19_2_4_125	MW-09	Appendix IV	Thallium	mg/L	18	18	100%	0.00000205	0.373	↔	-0.00000108	0.764	↔	0.0000000296	0.872	↔	2023-03-18	2023-07-15	0.087
19_2_5_114	MW-09	Part 115	Iron	mg/L	18	0	0%	-0.00314	0.605	↔	-0.170	0.023	↔	-0.115	0.053	↔	2025-08-18	2025-02-24	0.492
19_2_5_119	MW-09	Part 115	Nickel	mg/L	18	0	0%	-0.0000103	0.851	↔	0.000119	0.475	↔	-0.0000925	0.254	↔	2024-02-18	2025-02-24	0.369
19_2_5_123	MW-09	Part 115	Silver	mg/L	18	18	100%	0.000000947	0.360	↔	-0.000000195	0.547	↔	-0.0000000675	0.602	↔	2023-04-17	2024-03-24	0.267
19_2_5_128	MW-09	Part 115	Vanadium	mg/L	18	15	83%	0.000000000000000418	1.000	↔	-0.000000000000000154	1.000	↔	-0.00000131	0.031	↔	2023-03-02	2025-07-27	0.549
20_3_3_105	MW-10	Appendix III	Boron	mg/L	18	0	0%	-0.00833	0.597	↔	0.0297	0.264	↔	-0.0249	0.792	↔	2024-04-07	2025-10-06	0.367
20_3_3_107	MW-10	Appendix III	Calcium	mg/L	18	0	0%	0.201	0.931	↔	0.352	0.257	↔	-0.271	0.243	↔	2023-03-09	2024-05-23	0.252
20_3_3_120	MW-10	Appendix III	pH (field)	su	18	0	0%	0.00296	0.401	↔	-0.00149	0.275	↔	0.000258	0.736	↔	2023-05-22	2024-06-26	0.269
20_3_3_124	MW-10	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	-1.77	0.145	↔	5.81	0.102	↔	-1.87	0.001	↓	2023-10-04	2024-04-06	0.683
20_3_4_103	MW-10	Appendix IV	Barium	mg/L	18	0	0%	-0.00157	0.291	↔	0.000140	0.317	↔	0.00178	0.053	↔	2023-04-09	2025-06-27	0.672
20_3_4_104	MW-10	Appendix IV	Beryllium	mg/L	18	8	44%	0.000000370	0.289	↔	-0.0000000607	0.415	↔	0.0000000536	0.885	↔	2023-05-23	2025-07-08	0.167
20_3_4_106	MW-10	Appendix IV	Cadmium	mg/L	18	18	100%	0.000000984	0.337	↔	-0.000000207	0.475	↔	-0.0000000329	0.907	↔	2023-05-22	2024-10-15	0.223
20_3_4_109	MW-10	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.0000115	0.287	↔	-0.00000727	0.323	↔	0.00000674	0.192	↔	2023-07-01	2024-08-29	0.265
20_3_4_110	MW-10	Appendix IV	Cobalt	mg/L	18	1	6%	0.00000513	0.032	↔	-0.00000404	0.289	↔	0.000000523	0.244	↔	2023-05-23	2024-01-12	0.537
20_3_4_115	MW-10	Appendix IV	Lead	mg/L	18	16	89%	0.0000128	0.012	↔	-0.00000890	0.006	↓	-0.000000124	0.581	↔	2023-03-04	2023-06-27	0.769
20_3_4_117	MW-10	Appendix IV	Mercury	ng/L	18	15	83%	1.55	0.144	↔	-2.10	0.135	↔	0.393	0.900	↔	2024-04-06	2025-05-03	0.345
20_3_4_122	MW-10	Appendix IV	Selenium	mg/L	18	1	6%	0.000000637	0.056	↔	-0.00000107	0.262	↔	0.000000415	0.358	↔	2024-02-13	2024-12-30	0.415
20_3_4_125	MW-10	Appendix IV	Thallium	mg/L	18	18	100%	0.00000517	0.104	↔	-0.00000134	0.479	↔	-0.0000000975	0.522	↔	2023-02-14	2023-07-23	0.380
20_3_5_111	MW-10	Part 115	Copper	mg/L	18	15	83%	0.00000229	0.244	↔	-0.00000322	0.733	↔	0.00000000215	0.995	↔	2023-05-23	2023-09-21	0.244
20_3_5_119	MW-10	Part 115	Nickel	mg/L	18	7	39%	0.00000283	0.167	↔	-0.00000189	0.262	↔	0.000000807	0.100	↔	2023-05-23	2024-03-29	0.365
20_3_5_123	MW-10	Part 115	Silver	mg/L	18	18	100%	0.00000138	0.079	↔	-0.00000218	0.508	↔	-0.0000000525	0.532	↔	2023-04-21	2023-06-27	0.395
20_3_5_128	MW-10	Part 115	Vanadium	mg/L	18	12	67%	0.0000000676	0.863	↔	-0.00000413	0.622	↔	-0.000000917	0.684	↔	2025-05-19	2025-01-31	0.168
21_2_3_105	MW-11	Appendix III	Boron	mg/L	18	0	0%	-0.0617	0.164	↔	0.00232	0.569	↔	0.0357	0.169	↔	2023-03-14	2025-07-02	0.508
21_2_3_107	MW-11	Appendix III	Calcium	mg/L	18	0	0%	1.17	0.065	↔	-1.08	0.376	↔	-0.0238	0.757	↔	2023-04-29	2023-08-30	0.439
21_2_3_108	MW-11	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.295	0.177	↔	-0.00165	0.934	↔	0.0653	0.598	↔	2023-03-16	2025-04-22	0.338
21_2_3_112	MW-11	Appendix III	Fluoride	mg/L	18	0	0%	-0.00630	0.358	↔	0.000350	0.293	↔	0.00581	0.172	↔	2023-03-10	2025-09-26	0.514
21_2_3_120	MW-11	Appendix III	pH (field)	su	18	0	0%	0.00195	0.584	↔	-0.000311	0.034	↔	0.000461	0.150	↔	2023-02-03	2025-02-24	0.487
21_2_3_124	MW-11	Appendix III	Sulfate (as SO4)	mg/L	18	7	39%	1.55	0.000	↑	-2.58	0.014	↔	0.00758	0.753	↔	2023-04-18	2023-07-03	0.906
21_2_3_126	MW-11	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2.62	0.422	↔	-0.319	0.236	↔	-1.20	0.696	↔	2023-04-09	2025-08-27	0.295
21_2_4_101	MW-11	Appendix IV	Antimony	mg/L	18	13	72%	-0.000000283	0.371	↔	0.000000298	0.743	↔	-0.000000855	0.721	↔	2024-09-16	2025-10-22	0.110
21_2_4_102	MW-11	Appendix IV	Arsenic	mg/L	18	0	0%	-0.0000123	0.259	↔	0.000000525	0.662	↔	0.00000724	0.075	↔	2023-04-01	2025-02-25	0.600
21_2_4_104	MW-11	Appendix IV	Beryllium	mg/L	18	13	72%	0.000000340	0.084	↔	-0.000000480	0.427	↔	0.000000167	0.697	↔	2024-04-07	2025-02-25	0.276
21_2_4_106	MW-11	Appendix IV	Cadmium	mg/L	18	15	83%	-0.000000376	0.349	↔	0.000000300	0.648	↔	-0.00000103	0.674	↔	2024-05-15	2025-10-22	0.114
21_2_4_109	MW-11	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.0000219	0.250	↔	-0.000000192	0.971	↔	0.00000206	0.692	↔	2023-04-18	2024-08-06	0.222
21_2_4_110	MW-11	Appendix IV	Cobalt	mg/L	18	0	0%	0.000000838	0.662	↔	-0.00000172	0.604	↔	0.00000348	0.339	↔	2024-04-06	2025-03-27	0.133
21_2_4_113	MW-11	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.00630	0.358	↔	0.000350	0.293	↔	0.00581	0.172	↔	2023-03-10	2025-09-26	0.514
21_2_4_117	MW-11	Appendix IV	Mercury	ng/L	18	13	72%	-0.358	0.815	↔	1.30	0.318	↔	-0.920	0.023	↔	2023-06-24	2024-04-06	0.411
21_2_4_118	MW-11	Appendix IV	Molybdenum	mg/L	18	2	11%	-0.0000103	0.372	↔	0.000000644	0.615	↔	0.00000631	0.136	↔	2023-04-14	2025-03-30	0.480
21_2_4_121	MW-11	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	0.000722	0.880	↔	-0.00131	0.148	↔	0.000989	0.319	↔	2023-04-17	2024-09-14	0.324
21_2_4_122	MW-11	Appendix IV	Selenium	mg/L	18	3	17%	0.000000659	0.046	↔	-0.00000235	0.188	↔	0.000000323	0.316	↔	2024-03-17	2024-08-10	0.422

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
21_2_4_125	MW-11	Appendix IV	Thallium	mg/L	18	17	94%	0.00000295	0.211	↔	-0.000000338	0.169	↔	0.0000000413	0.887	↔	2023-02-08	2024-08-25	0.361
21_2_5_111	MW-11	Part 115	Copper	mg/L	18	4	22%	-0.0000552	0.380	↔	0.0000000426	0.996	↔	0.00000609	0.720	↔	2023-04-10	2025-02-24	0.219
21_2_5_123	MW-11	Part 115	Silver	mg/L	18	15	83%	0.000000864	0.205	↔	-0.000000654	0.315	↔	0.0000000305	0.762	↔	2023-04-26	2023-10-28	0.276
21_2_5_128	MW-11	Part 115	Vanadium	mg/L	18	13	72%	0.00000223	0.066	↔	-0.00000343	0.706	↔	0.000000862	0.670	↔	2024-04-07	2025-01-20	0.292
21_2_5_129	MW-11	Part 115	Zinc	mg/L	18	4	22%	-0.000260	0.061	↔	0.0000392	0.339	↔	0.000149	0.410	↔	2023-07-02	2025-04-23	0.523
22_2_3_105	MW-12	Appendix III	Boron	mg/L	18	0	0%	-0.00166	0.264	↔	0.00206	0.664	↔	0.0000643	0.544	↔	2023-03-29	2023-06-19	0.302
22_2_3_108	MW-12	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.0102	0.312	↔	0.0150	0.848	↔	-0.0121	0.495	↔	2024-04-18	2025-02-25	0.126
22_2_3_112	MW-12	Appendix III	Fluoride	mg/L	18	0	0%	-0.00400	0.260	↔	0.000226	0.579	↔	-0.000143	0.251	↔	2023-02-06	2024-02-12	0.478
22_2_3_120	MW-12	Appendix III	pH (field)	su	18	0	0%	0.000929	0.278	↔	-0.00450	0.362	↔	0.000320	0.714	↔	2024-03-21	2024-07-24	0.220
22_2_3_124	MW-12	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	-0.413	0.189	↔	-0.0743	0.022	↔	-0.00128	0.994	↔	2023-04-18	2025-06-23	0.774
22_2_4_109	MW-12	Appendix IV	Chromium, Total	mg/L	18	6	33%	0.000000543	0.500	↔	0.000000855	0.757	↔	-0.000000118	0.961	↔	2025-07-29	2024-03-04	0.076
22_2_4_110	MW-12	Appendix IV	Cobalt	mg/L	18	5	28%	-0.000000292	0.833	↔	0.00000272	0.068	↔	-0.0000104	0.141	↔	2024-04-07	2025-10-17	0.505
22_2_4_113	MW-12	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.00400	0.260	↔	0.000226	0.579	↔	-0.000143	0.251	↔	2023-02-06	2024-02-12	0.478
22_2_4_117	MW-12	Appendix IV	Mercury	ng/L	18	12	67%	0.0358	0.391	↔	0.845	0.335	↔	0.0712	0.760	↔	2025-07-26	2024-11-07	0.870
22_2_4_121	MW-12	Appendix IV	Radium 226 and 228	pCi/L	18	11	61%	0.00158	0.480	↔	-0.000131	0.467	↔	-0.000325	0.874	↔	2023-04-18	2025-09-05	0.167
22_2_5_128	MW-12	Part 115	Vanadium	mg/L	18	6	33%	0.0000000586	0.951	↔	0.00000501	0.377	↔	-0.00000177	0.096	↔	2024-02-26	2024-08-10	0.394
22_2_5_129	MW-12	Part 115	Zinc	mg/L	18	0	0%	-0.00000285	0.838	↔	0.0000134	0.342	↔	0.0000381	0.063	↔	2024-02-12	2025-04-07	0.685
26_1_3_108	MW-16	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.0693	0.148	↔	-0.0153	0.578	↔	0.0179	0.208	↔	2024-07-22	2025-03-09	0.871
26_1_3_120	MW-16	Appendix III	pH (field)	su	8	0	0%	0.000911	0.691	↔	0.00753	0.458	↔	0.00435	0.512	↔	2025-10-08	2025-03-03	0.339
26_1_3_126	MW-16	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	0.714	0.247	↔	2.51	0.121	↔	0.988	0.294	↔	2025-10-14	2025-02-04	0.828
26_1_4_101	MW-16	Appendix IV	Antimony	mg/L	8	7	88%	0.0000000502	0.374	↔	-0.0000000537	0.256	↔	0.00000000281	0.862	↔	2024-10-16	2025-03-27	0.772
26_1_5_111	MW-16	Part 115	Copper	mg/L	8	4	50%	0.000000147	0.788	↔	-0.000000629	0.743	↔	0.000000820	0.228	↔	2025-02-24	2025-07-06	0.676
26_1_5_114	MW-16	Part 115	Iron	mg/L	8	0	0%	0.0231	0.639	↔	-0.0240	0.886	↔	0.0331	0.515	↔	2024-10-17	2025-08-07	0.359
27_1_3_105	MW-17	Appendix III	Boron	mg/L	8	0	0%	-0.000868	0.429	↔	-0.00836	0.138	↔	-0.00540	0.146	↔	2025-10-08	2025-03-03	0.794
27_1_4_103	MW-17	Appendix IV	Barium	mg/L	8	0	0%	-0.000342	0.457	↔	0.00263	0.126	↔	-0.00487	0.039	↔	2025-03-27	2025-09-21	0.949
27_1_4_110	MW-17	Appendix IV	Cobalt	mg/L	8	0	0%	0.00000104	0.396	↔	-0.000000739	0.144	↔	0.00000472	0.029	↔	2024-10-08	2025-10-06	0.964
27_1_5_114	MW-17	Part 115	Iron	mg/L	8	0	0%	-0.0310	0.041	↔	0.00519	0.273	↔	-0.0154	0.045	↔	2024-07-23	2025-07-29	0.966
27_1_5_128	MW-17	Part 115	Vanadium	mg/L	8	0	0%	0.00000344	0.306	↔	-0.00000188	0.299	↔	0.00000227	0.227	↔	2024-07-17	2025-08-08	0.850
27_1_5_129	MW-17	Part 115	Zinc	mg/L	8	0	0%	0.000126	0.295	↔	-0.000203	0.151	↔	0.000605	0.052	↔	2025-01-30	2025-09-29	0.939
28_1_3_107	MW-18	Appendix III	Calcium	mg/L	18	0	0%	-0.908	0.003	↓	1.43	0.107	↔	-0.118	0.079	↔	2023-07-22	2023-11-02	0.652
28_1_3_108	MW-18	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.0854	0.342	↔	0.00697	0.115	↔	-0.0833	0.124	↔	2023-03-06	2025-09-10	0.458
28_1_3_120	MW-18	Appendix III	pH (field)	su	18	0	0%	0.00174	0.479	↔	0.000366	0.381	↔	0.0000575	0.436	↔	2023-02-07	2023-08-08	0.607
28_1_3_124	MW-18	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	-9.61	0.198	↔	0.670	0.249	↔	-0.388	0.205	↔	2023-02-07	2024-02-13	0.541
28_1_3_126	MW-18	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-5.56	0.008	↓	0.155	0.434	↔	-1.65	0.018	↔	2023-03-13	2025-02-26	0.800
28_1_4_101	MW-18	Appendix IV	Antimony	mg/L	18	3	17%	0.000000294	0.705	↔	-0.000000928	0.459	↔	0.00000122	0.150	↔	2024-02-12	2024-11-13	0.297
28_1_4_102	MW-18	Appendix IV	Arsenic	mg/L	18	0	0%	-0.0000495	0.425	↔	0.000188	0.139	↔	-0.00000830	0.303	↔	2023-05-20	2023-08-24	0.485
28_1_4_104	MW-18	Appendix IV	Beryllium	mg/L	18	14	78%	0.00000000607	0.092	↔	-0.00000000669	0.406	↔	0.0000000425	0.005	↑	2024-04-10	2025-07-29	0.654
28_1_4_109	MW-18	Appendix IV	Chromium, Total	mg/L	18	16	89%	-0.0000000974	0.830	↔	0.000000332	0.137	↔	-0.000000653	0.399	↔	2023-10-12	2025-04-21	0.314
28_1_4_110	MW-18	Appendix IV	Cobalt	mg/L	18	0	0%	-0.0000285	0.001	↓	-0.00000140	0.346	↔	-0.000000227	0.815	↔	2023-04-15	2024-07-16	0.920
28_1_4_115	MW-18	Appendix IV	Lead	mg/L	18	11	61%	0.0000122	0.103	↔	-0.0000172	0.041	↔	-0.000000119	0.409	↔	2023-02-07	2023-03-18	0.624
28_1_4_116	MW-18	Appendix IV	Lithium	mg/L	18	0	0%	-0.000196	0.249	↔	0.00000458	0.619	↔	0.0000121	0.839	↔	2023-02-08	2025-05-11	0.210
28_1_4_121	MW-18	Appendix IV	Radium 226 and 228	pCi/L	18	10	56%	0.00334	0.136	↔	-0.00118	0.092	↔	0.000174	0.513	↔	2023-04-17	2024-02-22	0.460

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
28_1_4_122	MW-18	Appendix IV	Selenium	mg/L	18	0	0%	0.00000235	0.106	↔	-0.00000845	0.309	↔	0.00000387	0.017	↔	2024-04-09	2024-09-24	0.536
28_1_4_125	MW-18	Appendix IV	Thallium	mg/L	18	17	94%	0.000000129	0.771	↔	-0.000000449	0.529	↔	0.000000186	0.690	↔	2024-02-12	2025-01-05	0.118
28_1_5_111	MW-18	Part 115	Copper	mg/L	18	0	0%	0.00000283	0.322	↔	-0.00000214	0.579	↔	0.00000120	0.165	↔	2023-08-07	2024-03-30	0.304
28_1_5_114	MW-18	Part 115	Iron	mg/L	18	0	0%	-0.0455	0.003	↓	0.00402	0.039	↔	-0.00877	0.022	↔	2023-03-19	2024-12-09	0.759
28_1_5_119	MW-18	Part 115	Nickel	mg/L	18	0	0%	-0.0000426	0.013	↔	-0.00000320	0.572	↔	0.00000424	0.207	↔	2023-04-18	2024-07-13	0.687
28_1_5_123	MW-18	Part 115	Silver	mg/L	18	18	100%	0.00000139	0.677	↔	-0.000000118	0.559	↔	-0.0000000504	0.765	↔	2023-02-07	2024-06-23	0.174
28_1_5_128	MW-18	Part 115	Vanadium	mg/L	18	17	94%	-0.000000000000332	1.000	↔	0.000000000000747	1.000	↔	-0.00000106	0.000	↓	2023-10-12	2025-02-11	0.878
28_1_5_129	MW-18	Part 115	Zinc	mg/L	18	0	0%	-0.000238	0.502	↔	-0.0000405	0.601	↔	0.000346	0.021	↔	2023-04-23	2025-01-26	0.533
29_1_3_107	MW-19	Appendix III	Calcium	mg/L	18	0	0%	-0.396	0.113	↔	-0.0125	0.838	↔	-0.280	0.592	↔	2023-08-03	2025-08-12	0.567
29_1_3_108	MW-19	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.239	0.034	↔	-0.0230	0.472	↔	-0.00886	0.489	↔	2023-04-16	2024-03-29	0.813
29_1_3_112	MW-19	Appendix III	Fluoride	mg/L	18	0	0%	-0.00552	0.118	↔	0.00294	0.785	↔	-0.000291	0.239	↔	2023-03-18	2023-05-27	0.380
29_1_3_120	MW-19	Appendix III	pH (field)	su	18	0	0%	0.00121	0.285	↔	-0.000739	0.696	↔	-0.000174	0.437	↔	2023-05-22	2023-12-10	0.306
29_1_3_126	MW-19	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-2.47	0.002	↓	-0.0655	0.688	↔	-1.68	0.239	↔	2023-07-16	2025-09-01	0.851
29_1_4_101	MW-19	Appendix IV	Antimony	mg/L	18	12	67%	0.00000216	0.452	↔	-0.000000172	0.519	↔	0.00000254	0.134	↔	2023-04-17	2025-08-11	0.342
29_1_4_103	MW-19	Appendix IV	Barium	mg/L	18	0	0%	-0.000107	0.090	↔	0.0000269	0.629	↔	-0.00000534	0.333	↔	2023-04-17	2023-09-28	0.528
29_1_4_104	MW-19	Appendix IV	Beryllium	mg/L	18	3	17%	-0.000000114	0.642	↔	-0.000000140	0.713	↔	0.0000000331	0.896	↔	2025-04-15	2023-10-10	0.067
29_1_4_106	MW-19	Appendix IV	Cadmium	mg/L	18	16	89%	0.000000341	0.246	↔	-0.000000681	0.438	↔	0.000000676	0.118	↔	2024-02-13	2024-12-30	0.301
29_1_4_109	MW-19	Appendix IV	Chromium, Total	mg/L	18	5	28%	-0.00000106	0.158	↔	0.000000282	0.742	↔	-0.000000100	0.812	↔	2023-09-30	2024-07-18	0.336
29_1_4_110	MW-19	Appendix IV	Cobalt	mg/L	18	1	6%	0.00000455	0.509	↔	-0.00000332	0.268	↔	0.000000933	0.034	↔	2023-02-26	2023-10-10	0.394
29_1_4_113	MW-19	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.00552	0.118	↔	0.00294	0.785	↔	-0.000291	0.239	↔	2023-03-18	2023-05-27	0.380
29_1_4_115	MW-19	Appendix IV	Lead	mg/L	18	18	100%	0.0000126	0.394	↔	-0.00000147	0.189	↔	0.0000000169	0.976	↔	2023-01-26	2024-03-16	0.387
29_1_4_118	MW-19	Appendix IV	Molybdenum	mg/L	18	0	0%	-0.00000733	0.312	↔	0.0000544	0.349	↔	0.00000140	0.912	↔	2024-06-28	2025-01-01	0.612
29_1_4_122	MW-19	Appendix IV	Selenium	mg/L	18	11	61%	-0.00000150	0.267	↔	0.0000000465	0.891	↔	0.0000244	0.000	↑	2023-07-28	2025-09-29	0.943
29_1_4_125	MW-19	Appendix IV	Thallium	mg/L	18	17	94%	0.00000339	0.630	↔	-0.0000000604	0.813	↔	-0.000000250	0.672	↔	2023-02-07	2024-10-16	0.192
29_1_5_111	MW-19	Part 115	Copper	mg/L	18	14	78%	-0.000000978	0.527	↔	0.0000000893	0.785	↔	-0.000000453	0.782	↔	2023-06-20	2025-08-11	0.090
29_1_5_114	MW-19	Part 115	Iron	mg/L	18	0	0%	-0.0231	0.519	↔	0.0169	0.017	↔	-0.0265	0.002	↓	2023-04-04	2024-08-09	0.706
29_1_5_119	MW-19	Part 115	Nickel	mg/L	18	1	6%	-0.0000134	0.581	↔	0.0000196	0.244	↔	-0.00000237	0.834	↔	2023-07-27	2024-07-18	0.300
29_1_5_123	MW-19	Part 115	Silver	mg/L	18	18	100%	0.000000741	0.525	↔	-0.000000220	0.188	↔	0.0000000155	0.960	↔	2023-04-17	2024-10-23	0.264
29_1_5_129	MW-19	Part 115	Zinc	mg/L	18	10	56%	-0.00000400	0.902	↔	0.0000127	0.867	↔	0.000347	0.013	↔	2024-06-08	2025-06-01	0.770
30_1_3_108	MW-20	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	0.103	0.224	↔	-0.0693	0.006	↓	-0.0194	0.721	↔	2023-05-23	2025-04-02	0.785
30_1_3_124	MW-20	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	1.13	0.020	↔	-0.700	0.019	↔	0.0238	0.282	↔	2023-02-16	2023-07-03	0.684
30_1_4_101	MW-20	Appendix IV	Antimony	mg/L	18	7	39%	0.000000350	0.786	↔	0.00000000399	0.989	↔	0.000000491	0.328	↔	2023-04-18	2025-01-20	0.226
30_1_4_102	MW-20	Appendix IV	Arsenic	mg/L	18	0	0%	-0.00000453	0.496	↔	0.00000369	0.369	↔	-0.000000284	0.398	↔	2023-02-15	2023-06-29	0.191
30_1_4_103	MW-20	Appendix IV	Barium	mg/L	18	0	0%	-0.00682	0.009	↓	0.000259	0.028	↔	-0.00192	0.157	↔	2023-02-15	2025-09-07	0.691
30_1_4_104	MW-20	Appendix IV	Beryllium	mg/L	18	17	94%	0.00000000763	0.182	↔	-0.00000000988	0.272	↔	0.00000000231	0.690	↔	2024-02-12	2024-12-31	0.320
30_1_4_106	MW-20	Appendix IV	Cadmium	mg/L	18	17	94%	0.000000221	0.612	↔	0.0000000000000953	1.000	↔	0.000000285	0.317	↔	2023-07-31	2024-12-30	0.317
30_1_4_110	MW-20	Appendix IV	Cobalt	mg/L	18	0	0%	-0.000000977	0.003	↓	0.00000349	0.057	↔	-0.00000351	0.164	↔	2025-02-24	2025-10-21	0.683
30_1_4_116	MW-20	Appendix IV	Lithium	mg/L	18	0	0%	-0.000396	0.501	↔	0.000129	0.327	↔	-0.0000313	0.052	↔	2023-02-02	2023-06-28	0.411
30_1_4_118	MW-20	Appendix IV	Molybdenum	mg/L	18	0	0%	0.00000139	0.167	↔	-0.00000422	0.828	↔	-0.00000333	0.544	↔	2024-12-14	2025-07-31	0.291
30_1_4_121	MW-20	Appendix IV	Radium 226 and 228	pCi/L	17	8	47%	-0.0183	0.084	↔	0.0000279	0.923	↔	0.000495	0.783	↔	2023-01-15	2025-04-21	0.517
30_1_4_125	MW-20	Appendix IV	Thallium	mg/L	18	17	94%	0.0000000397	0.161	↔	-0.0000000574	0.201	↔	0.0000000103	0.720	↔	2024-02-12	2024-11-24	0.336
30_1_5_111	MW-20	Part 115	Copper	mg/L	18	2	11%	-0.000000170	0.847	↔	0.00000492	0.384	↔	-0.00000951	0.246	↔	2024-11-24	2025-10-17	0.396

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
30_1_5_114	MW-20	Part 115	Iron	mg/L	18	0	0%	-0.000377	0.950	↔	-0.0138	0.197	↔	0.000481	0.965	↔	2024-04-07	2025-03-02	0.512
30_1_5_119	MW-20	Part 115	Nickel	mg/L	18	0	0%	-0.00000652	0.763	↔	-0.00000101	0.962	↔	0.0000363	0.231	↔	2024-01-24	2025-02-26	0.282
38_1_3_105	MW-28	Appendix III	Boron	mg/L	8	0	0%	-0.00497	0.830	↔	-0.0517	0.584	↔	-0.0253	0.347	↔	2025-07-29	2025-02-18	0.452
38_1_3_107	MW-28	Appendix III	Calcium	mg/L	8	0	0%	0.116	0.543	↔	-0.0209	0.968	↔	-0.468	0.414	↔	2025-03-02	2025-09-08	0.627
38_1_3_108	MW-28	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.837	0.108	↔	-0.0643	0.958	↔	-0.663	0.162	↔	2024-12-16	2025-07-05	0.922
38_1_3_120	MW-28	Appendix III	pH (field)	su	8	0	0%	-0.000930	0.337	↔	0.00151	0.633	↔	-0.00154	0.178	↔	2024-12-15	2025-06-12	0.802
38_1_3_126	MW-28	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	1.59	0.148	↔	-0.871	0.378	↔	-2.88	0.125	↔	2025-01-31	2025-10-17	0.936
38_1_4_102	MW-28	Appendix IV	Arsenic	mg/L	8	0	0%	0.00000113	0.903	↔	0.00000657	0.847	↔	-0.0000133	0.251	↔	2025-01-21	2025-08-13	0.603
38_1_4_110	MW-28	Appendix IV	Cobalt	mg/L	8	0	0%	0.00000702	0.327	↔	0.0000290	0.336	↔	0.0000133	0.487	↔	2025-09-26	2025-03-04	0.595
38_1_5_119	MW-28	Part 115	Nickel	mg/L	8	0	0%	0.0000204	0.545	↔	0.0000785	0.337	↔	0.0000355	0.522	↔	2025-10-06	2025-01-13	0.465
40_1_3_105	MW-30	Appendix III	Boron	mg/L	18	0	0%	0.00661	0.265	↔	-0.00522	0.336	↔	0.0000593	0.910	↔	2023-03-13	2023-08-12	0.321
40_1_3_107	MW-30	Appendix III	Calcium	mg/L	18	0	0%	-0.484	0.472	↔	0.555	0.408	↔	-0.859	0.355	↔	2023-12-14	2025-03-20	0.158
40_1_3_108	MW-30	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	-0.208	0.051	↔	4.64	0.000	↑	-0.735	0.007	↓	2024-07-02	2025-02-28	0.991
40_1_3_112	MW-30	Appendix III	Fluoride	mg/L	18	0	0%	-0.000553	0.613	↔	0.000356	0.812	↔	-0.000328	0.322	↔	2023-06-27	2024-03-13	0.153
40_1_3_120	MW-30	Appendix III	pH (field)	su	18	0	0%	0.00352	0.155	↔	-0.000286	0.209	↔	0.00114	0.402	↔	2023-03-13	2025-07-09	0.313
40_1_3_126	MW-30	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	-0.122	0.797	↔	13.6	0.001	↑	-3.96	0.012	↔	2024-10-13	2025-03-21	0.893
40_1_4_101	MW-30	Appendix IV	Antimony	mg/L	18	14	78%	0.00000213	0.446	↔	-0.000000614	0.437	↔	0.00000111	0.169	↔	2023-05-21	2024-08-21	0.326
40_1_4_103	MW-30	Appendix IV	Barium	mg/L	18	0	0%	-0.000438	0.065	↔	0.00000878	0.864	↔	0.0000626	0.083	↔	2023-03-28	2024-07-17	0.581
40_1_4_104	MW-30	Appendix IV	Beryllium	mg/L	18	14	78%	-0.000000103	0.572	↔	0.000000288	0.601	↔	-0.000000318	0.238	↔	2024-03-20	2025-02-24	0.162
40_1_4_109	MW-30	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.0000766	0.726	↔	-0.00000458	0.777	↔	0.00000475	0.578	↔	2023-02-02	2024-02-12	0.123
40_1_4_110	MW-30	Appendix IV	Cobalt	mg/L	18	0	0%	-0.0000215	0.548	↔	0.0000453	0.214	↔	-0.0000565	0.258	↔	2023-11-10	2025-02-25	0.310
40_1_4_113	MW-30	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	-0.000553	0.613	↔	0.000356	0.812	↔	-0.000328	0.322	↔	2023-06-27	2024-03-13	0.153
40_1_4_116	MW-30	Appendix IV	Lithium	mg/L	18	0	0%	0.000645	0.282	↔	-0.000607	0.507	↔	0.0000577	0.227	↔	2023-03-13	2023-07-23	0.252
40_1_4_117	MW-30	Appendix IV	Mercury	ng/L	18	16	89%	0.241	0.058	↔	-0.508	0.021	↔	0.00228	0.997	↔	2024-04-07	2025-08-11	0.716
40_1_4_125	MW-30	Appendix IV	Thallium	mg/L	18	18	100%	0.00000369	0.070	↔	-0.000000933	0.358	↔	0.0000000643	0.750	↔	2023-03-18	2023-10-23	0.345
40_1_5_111	MW-30	Part 115	Copper	mg/L	18	12	67%	0.00000429	0.974	↔	-0.000000407	0.934	↔	0.0000102	0.374	↔	2023-01-19	2024-11-09	0.217
40_1_5_114	MW-30	Part 115	Iron	mg/L	18	0	0%	-0.000945	0.899	↔	0.0218	0.375	↔	-0.0340	0.069	↔	2024-06-12	2025-04-19	0.341
40_1_5_119	MW-30	Part 115	Nickel	mg/L	18	3	17%	-0.0000484	0.564	↔	0.000113	0.400	↔	-0.000137	0.136	↔	2023-11-10	2025-02-24	0.342
40_1_5_123	MW-30	Part 115	Silver	mg/L	18	17	94%	0.00000282	0.502	↔	-0.000000515	0.440	↔	-0.0000000121	0.919	↔	2023-02-01	2023-08-11	0.187
41_1_3_112	MW-31	Appendix III	Fluoride	mg/L	18	0	0%	0.00204	0.319	↔	-0.000952	0.006	↓	-0.00616	0.002	↓	2023-05-11	2025-06-17	0.913
41_1_4_101	MW-31	Appendix IV	Antimony	mg/L	18	7	39%	0.000000145	0.844	↔	0.000000780	0.187	↔	0.00000179	0.289	↔	2024-02-01	2025-04-20	0.714
41_1_4_104	MW-31	Appendix IV	Beryllium	mg/L	18	15	83%	0.0000000262	0.164	↔	0.000000355	0.030	↔	0.000000288	0.053	↔	2025-09-25	2024-08-19	0.499
41_1_4_106	MW-31	Appendix IV	Cadmium	mg/L	18	17	94%	0.000000227	0.001	↑	0.0000000524	0.769	↔	-0.00000000554	0.676	↔	2023-07-08	2023-11-26	0.849
41_1_4_109	MW-31	Appendix IV	Chromium, Total	mg/L	18	0	0%	0.00000164	0.083	↔	-0.00000330	0.853	↔	0.00000884	0.099	↔	2024-10-15	2025-07-05	0.486
41_1_4_110	MW-31	Appendix IV	Cobalt	mg/L	18	3	17%	0.0000000535	0.590	↔	-0.000000270	0.666	↔	0.00000763	0.000	↑	2024-10-15	2025-10-08	0.926
41_1_4_113	MW-31	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.00204	0.319	↔	-0.000952	0.006	↓	-0.00616	0.002	↓	2023-05-11	2025-06-17	0.913
41_1_4_115	MW-31	Appendix IV	Lead	mg/L	18	13	72%	-0.000000404	0.208	↔	0.0000000228	0.899	↔	0.00000119	0.003	↑	2023-10-22	2025-04-18	0.736
41_1_4_118	MW-31	Appendix IV	Molybdenum	mg/L	18	0	0%	-0.000000744	0.736	↔	0.0000366	0.155	↔	0.0000584	0.012	↔	2025-10-20	2025-02-14	0.821
41_1_4_121	MW-31	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	0.000790	0.696	↔	-0.000320	0.284	↔	0.00295	0.090	↔	2023-05-20	2025-08-01	0.319
41_1_4_125	MW-31	Appendix IV	Thallium	mg/L	18	17	94%	0.0000000149	0.063	↔	-0.0000000214	0.352	↔	0.00000000386	0.717	↔	2024-02-12	2024-11-23	0.338
41_1_5_111	MW-31	Part 115	Copper	mg/L	18	10	56%	0.000000239	0.111	↔	-0.000000633	0.347	↔	0.0000150	0.000	↑	2024-08-31	2025-07-21	0.991
41_1_5_119	MW-31	Part 115	Nickel	mg/L	18	10	56%	0.00000149	0.992	↔	0.0000306	0.931	↔	0.00241	0.001	↑	2024-05-29	2025-07-03	0.839

(Table continues on next page)

Table 10: Trend Tests: Piecewise Linear-Linear-Linear *(continued)*

								Line 1			Line 2			Line 3					
ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Slope	p-Value	Trend	Slope	p-Value	Trend	Slope	p-Value	Trend	Break 1	Break 2	R-Squared
41_1_5_128	MW-31	Part 115	Vanadium	mg/L	18	12	67%	-0.0000000635	0.812	↔	0.000000464	0.519	↔	-0.000000308	0.148	↔	2024-01-17	2024-10-14	0.232
42_1_3_107	MW-32	Appendix III	Calcium	mg/L	18	0	0%	-0.182	0.063	↔	-0.00492	0.886	↔	0.442	0.096	↔	2023-08-08	2025-09-06	0.597
42_1_3_112	MW-32	Appendix III	Fluoride	mg/L	18	0	0%	0.000427	0.449	↔	0.0000804	0.927	↔	-0.00106	0.088	↔	2023-11-19	2024-10-16	0.508
42_1_4_101	MW-32	Appendix IV	Antimony	mg/L	18	14	78%	0.000000773	0.111	↔	-0.000000999	0.185	↔	0.000000195	0.687	↔	2024-02-11	2024-12-03	0.389
42_1_4_102	MW-32	Appendix IV	Arsenic	mg/L	18	0	0%	0.00000215	0.064	↔	-0.00000279	0.396	↔	0.000000371	0.810	↔	2024-02-12	2024-12-31	0.363
42_1_4_104	MW-32	Appendix IV	Beryllium	mg/L	18	17	94%	0.0000000197	0.077	↔	-0.0000000254	0.422	↔	0.00000000594	0.691	↔	2024-02-12	2024-12-30	0.321
42_1_4_106	MW-32	Appendix IV	Cadmium	mg/L	18	16	89%	0.000000225	0.032	↔	-0.000000115	0.061	↔	0.000000978	0.012	↔	2024-02-11	2025-09-18	0.758
42_1_4_109	MW-32	Appendix IV	Chromium, Total	mg/L	18	0	0%	-0.00000289	0.628	↔	0.00000335	0.560	↔	-0.00000154	0.108	↔	2023-05-03	2024-02-11	0.245
42_1_4_110	MW-32	Appendix IV	Cobalt	mg/L	18	0	0%	0.00000173	0.178	↔	-0.00000237	0.238	↔	0.00000106	0.421	↔	2024-02-11	2025-01-05	0.327
42_1_4_113	MW-32	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	0.000427	0.449	↔	0.0000804	0.927	↔	-0.00106	0.088	↔	2023-11-19	2024-10-16	0.508
42_1_4_115	MW-32	Appendix IV	Lead	mg/L	18	13	72%	-0.000000661	0.341	↔	0.000000536	0.818	↔	-0.000000116	0.508	↔	2023-06-30	2024-02-11	0.123
42_1_4_116	MW-32	Appendix IV	Lithium	mg/L	18	0	0%	-0.000409	0.203	↔	0.000833	0.537	↔	0.00000720	0.838	↔	2023-05-06	2023-07-05	0.241
42_1_4_118	MW-32	Appendix IV	Molybdenum	mg/L	18	0	0%	-0.0000186	0.330	↔	0.00000615	0.244	↔	-0.00000580	0.001	↓	2023-02-24	2024-01-18	0.708
42_1_4_122	MW-32	Appendix IV	Selenium	mg/L	18	14	78%	-0.000000843	0.473	↔	0.00000171	0.669	↔	-0.000000595	0.062	↔	2023-07-24	2024-02-11	0.297
42_1_5_111	MW-32	Part 115	Copper	mg/L	18	11	61%	0.0000198	0.116	↔	-0.0000369	0.260	↔	0.00000289	0.751	↔	2024-02-11	2024-09-03	0.376
42_1_5_114	MW-32	Part 115	Iron	mg/L	18	0	0%	-0.0267	0.037	↔	0.0000165	0.997	↔	0.0340	0.004	↑	2023-08-07	2025-04-08	0.767
42_1_5_119	MW-32	Part 115	Nickel	mg/L	18	0	0%	0.0000237	0.083	↔	-0.0000345	0.379	↔	0.00000954	0.605	↔	2024-02-12	2024-12-06	0.306
42_1_5_128	MW-32	Part 115	Vanadium	mg/L	18	18	100%	0.0000000744	0.268	↔	-0.00000120	0.012	↔	-0.0000000211	0.972	↔	2024-12-04	2025-10-16	0.900
42_1_5_129	MW-32	Part 115	Zinc	mg/L	18	0	0%	-0.0000490	0.492	↔	0.000182	0.346	↔	-0.0000529	0.336	↔	2024-02-06	2024-10-15	0.324
46_1_3_105	MW-36	Appendix III	Boron	mg/L	8	0	0%	0.00000347	0.997	↔	0.00115	0.692	↔	-0.00200	0.487	↔	2025-04-02	2025-09-25	0.371
46_1_3_107	MW-36	Appendix III	Calcium	mg/L	8	0	0%	-0.0319	0.512	↔	0.296	0.174	↔	-0.0240	0.610	↔	2025-02-25	2025-05-14	0.870
46_1_3_108	MW-36	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	0.0504	0.118	↔	-0.0206	0.081	↔	-0.0329	0.174	↔	2024-07-17	2025-09-01	0.975
46_1_3_124	MW-36	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	0.0634	0.658	↔	0.125	0.501	↔	0.0173	0.813	↔	2025-05-03	2024-09-04	0.292
46_1_4_102	MW-36	Appendix IV	Arsenic	mg/L	8	0	0%	-0.0000832	0.394	↔	-0.0000286	0.549	↔	-0.00000249	0.956	↔	2024-10-15	2025-05-22	0.890
46_1_4_104	MW-36	Appendix IV	Beryllium	mg/L	8	7	88%	-0.0000000620	0.021	↔	-0.0000000659	0.033	↔	-0.00000000169	0.846	↔	2025-09-16	2024-08-07	0.980
46_1_4_122	MW-36	Appendix IV	Selenium	mg/L	8	0	0%	0.00000100	0.375	↔	0.00000331	0.108	↔	0.00000169	0.149	↔	2025-10-17	2024-08-01	0.877
47_1_4_101	MW-37	Appendix IV	Antimony	mg/L	8	1	12%	-0.00000216	0.003	↓	0.000000789	0.125	↔	-0.000000383	0.089	↔	2024-12-21	2025-06-01	0.998
47_1_4_103	MW-37	Appendix IV	Barium	mg/L	8	0	0%	0.000101	0.311	↔	0.0000234	0.784	↔	0.000152	0.329	↔	2025-02-02	2025-08-20	0.930
47_1_4_104	MW-37	Appendix IV	Beryllium	mg/L	8	7	88%	0.0000000687	0.444	↔	-0.000000153	0.490	↔	0.0000000205	0.802	↔	2025-02-02	2025-06-13	0.622
47_1_4_121	MW-37	Appendix IV	Radium 226 and 228	pCi/L	8	5	62%	0.00205	0.627	↔	-0.000677	0.619	↔	0.0000333	0.992	↔	2024-09-14	2025-08-12	0.328
47_1_4_122	MW-37	Appendix IV	Selenium	mg/L	8	0	0%	-0.0000148	0.004	↓	0.00000342	0.279	↔	-0.00000316	0.075	↔	2025-01-04	2025-07-01	0.998
47_1_5_123	MW-37	Part 115	Silver	mg/L	8	7	88%	0.000000489	0.565	↔	-0.000000360	0.444	↔	0.000000132	0.758	↔	2024-10-14	2025-07-17	0.592
47_1_5_129	MW-37	Part 115	Zinc	mg/L	8	0	0%	-0.0000137	0.678	↔	-0.0000237	0.770	↔	0.0000467	0.238	↔	2025-01-12	2025-06-14	0.714
48_2_3_126	MW-38	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	-1.38	0.313	↔	1.05	0.764	↔	-1.92	0.578	↔	2025-04-14	2025-10-09	0.681
48_2_4_101	MW-38	Appendix IV	Antimony	mg/L	8	1	12%	0.00000263	0.309	↔	-0.00000907	0.256	↔	0.00000448	0.499	↔	2025-03-01	2025-09-16	0.842
48_2_4_102	MW-38	Appendix IV	Arsenic	mg/L	8	0	0%	-0.00000100	0.913	↔	-0.0000219	0.456	↔	0.00000750	0.773	↔	2025-04-17	2025-09-05	0.633
48_2_4_103	MW-38	Appendix IV	Barium	mg/L	8	0	0%	0.0000237	0.976	↔	-0.000498	0.305	↔	0.0000400	0.922	↔	2024-10-15	2025-04-20	0.720
48_2_4_104	MW-38	Appendix IV	Beryllium	mg/L	8	5	62%	0.000000150	0.277	↔	-0.000000119	0.774	↔	0.0000000463	0.691	↔	2024-10-16	2025-08-06	0.709
48_2_5_129	MW-38	Part 115	Zinc	mg/L	8	1	12%	0.0000455	0.457	↔	-0.000323	0.213	↔	0.0000657	0.315	↔	2025-02-17	2025-05-17	0.797

Appendix III: Boron, MW-01R

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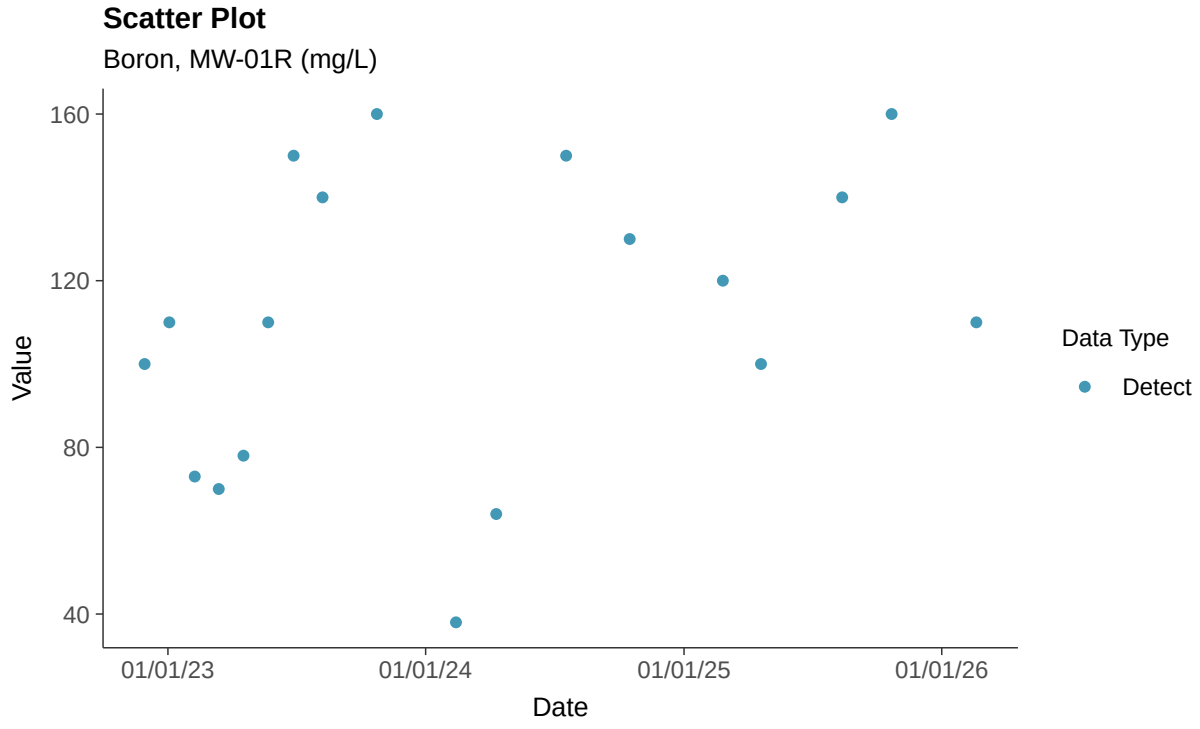
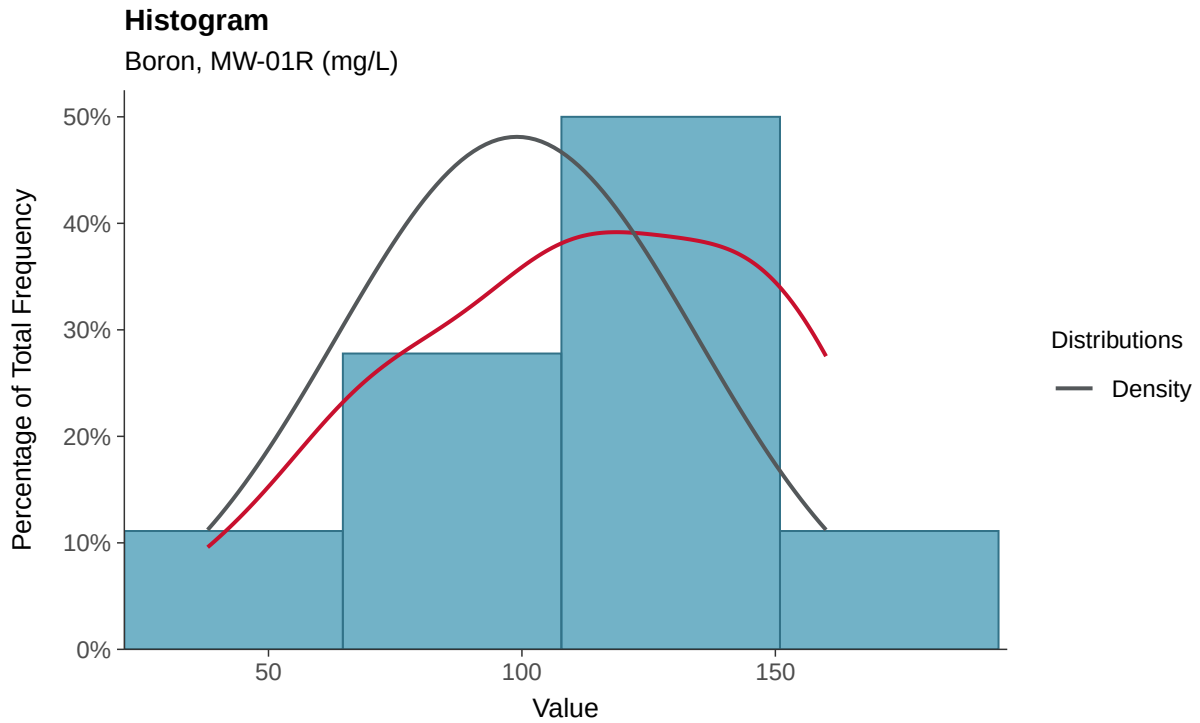
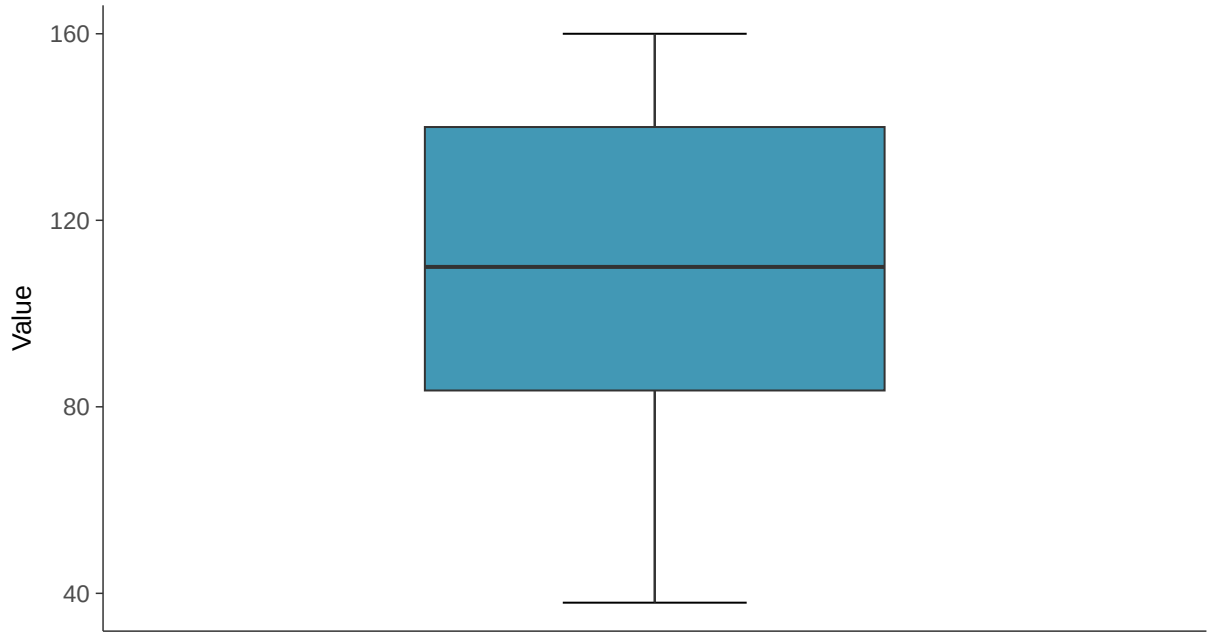




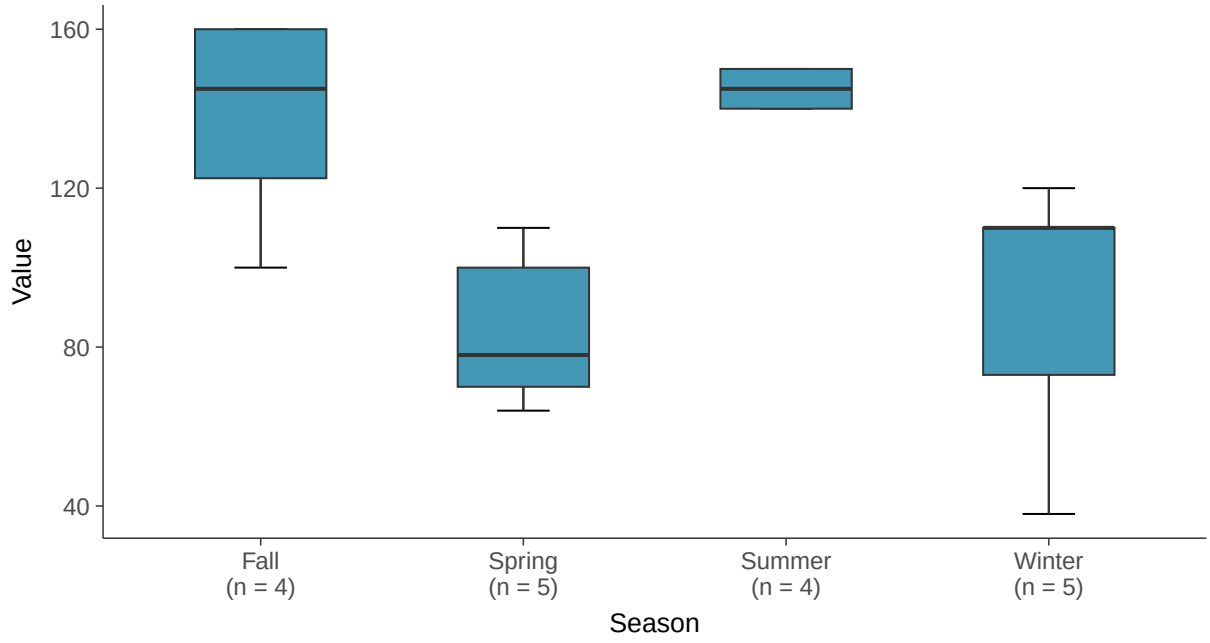
Boxplot

Boron, MW-01R (mg/L)



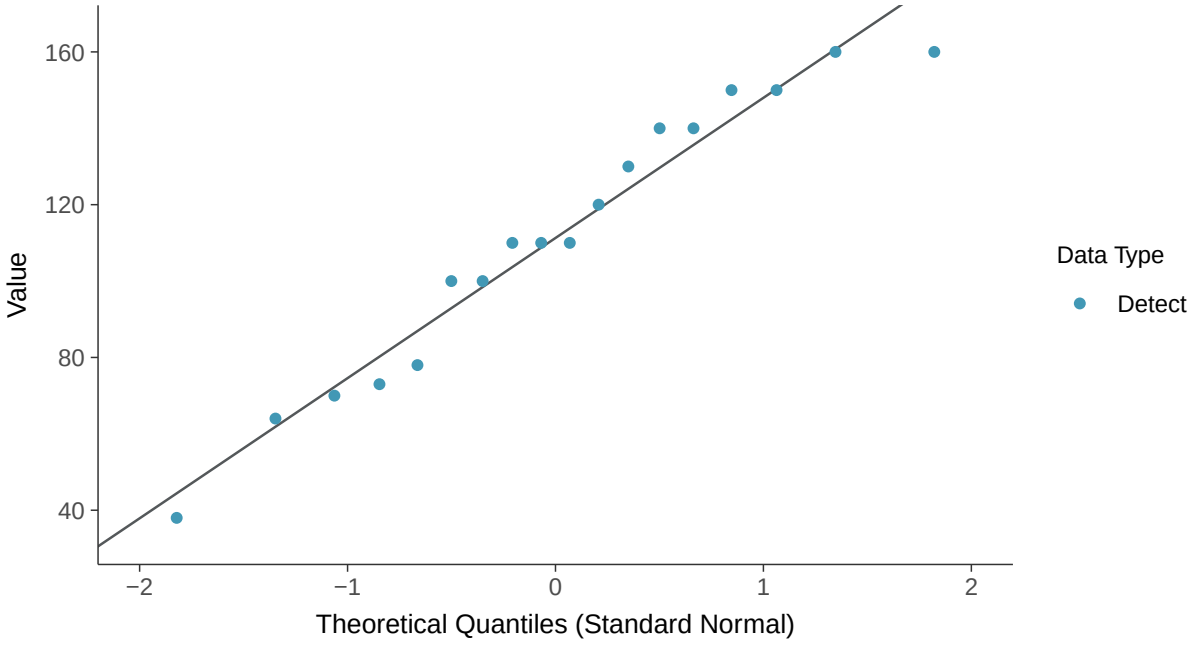
Boxplot by Season

Boron, MW-01R (mg/L)



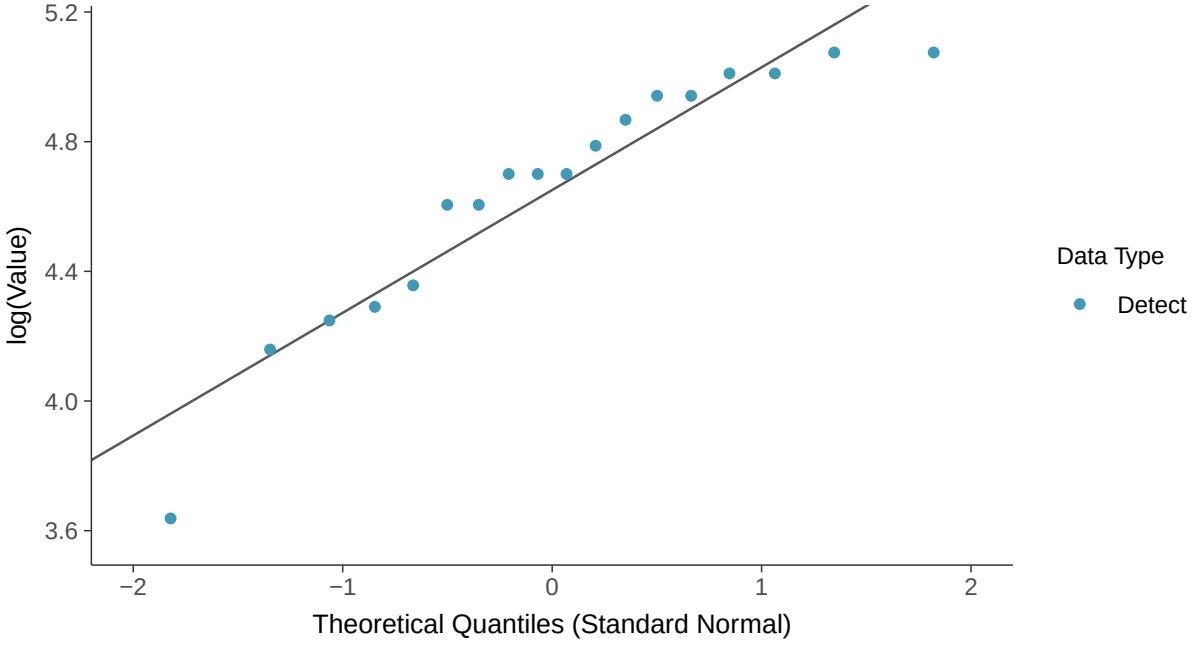
Normal Q-Q plot

Boron, MW-01R (mg/L)



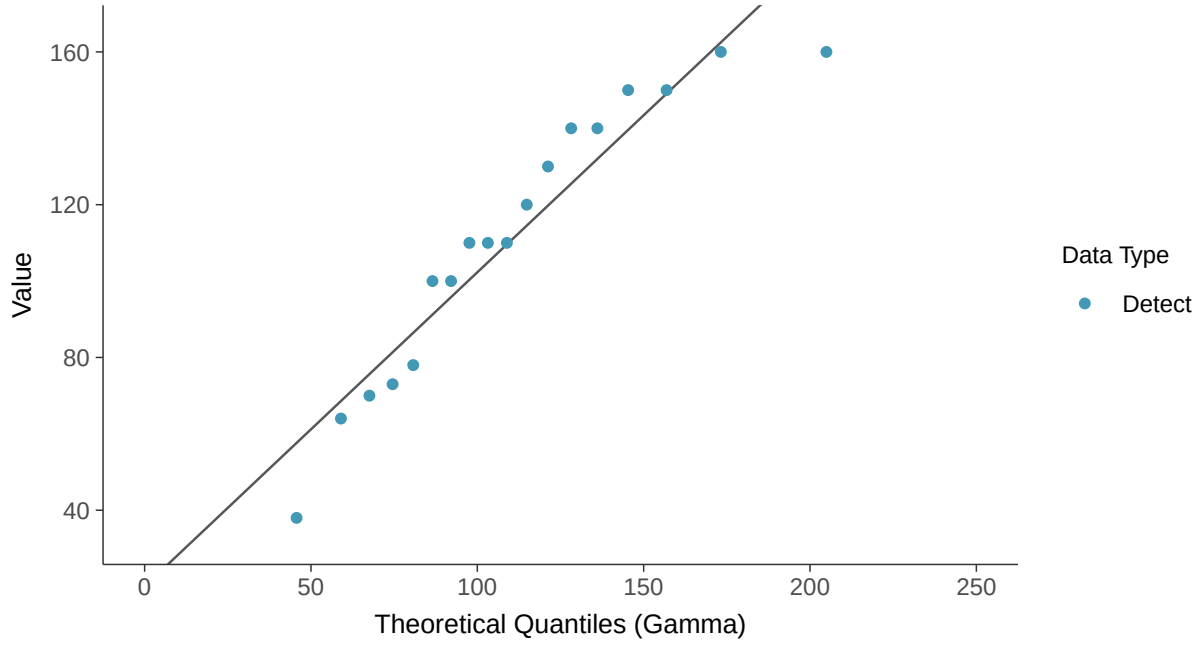
Lognormal Q-Q plot

Boron, MW-01R (mg/L)



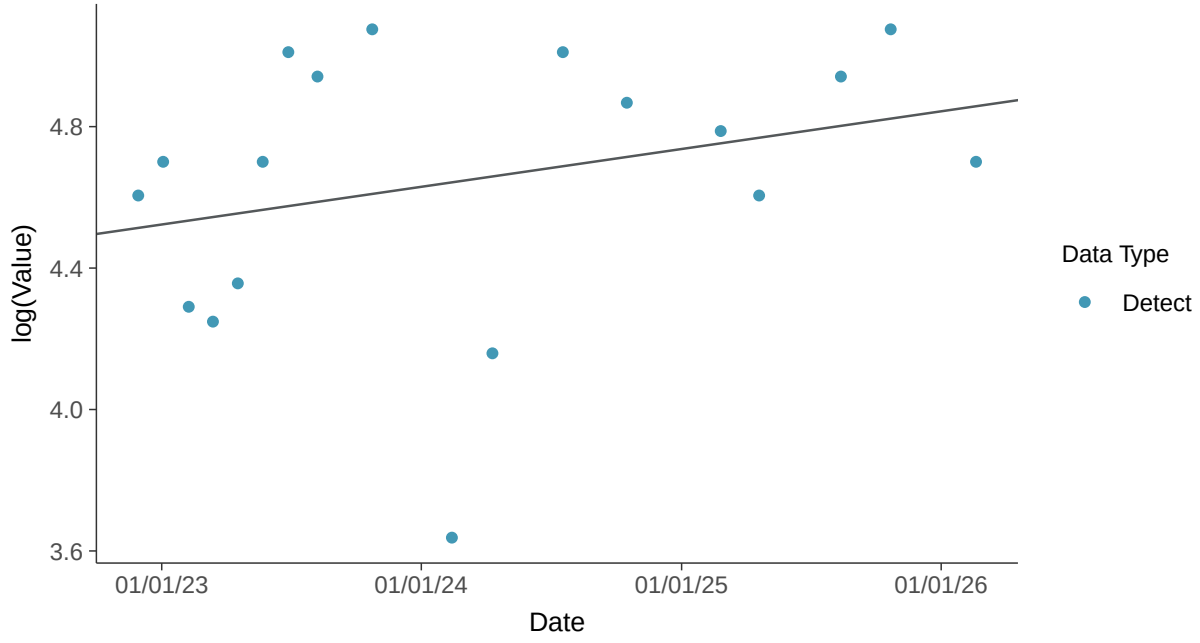
Gamma Q-Q plot

Boron, MW-01R (mg/L)



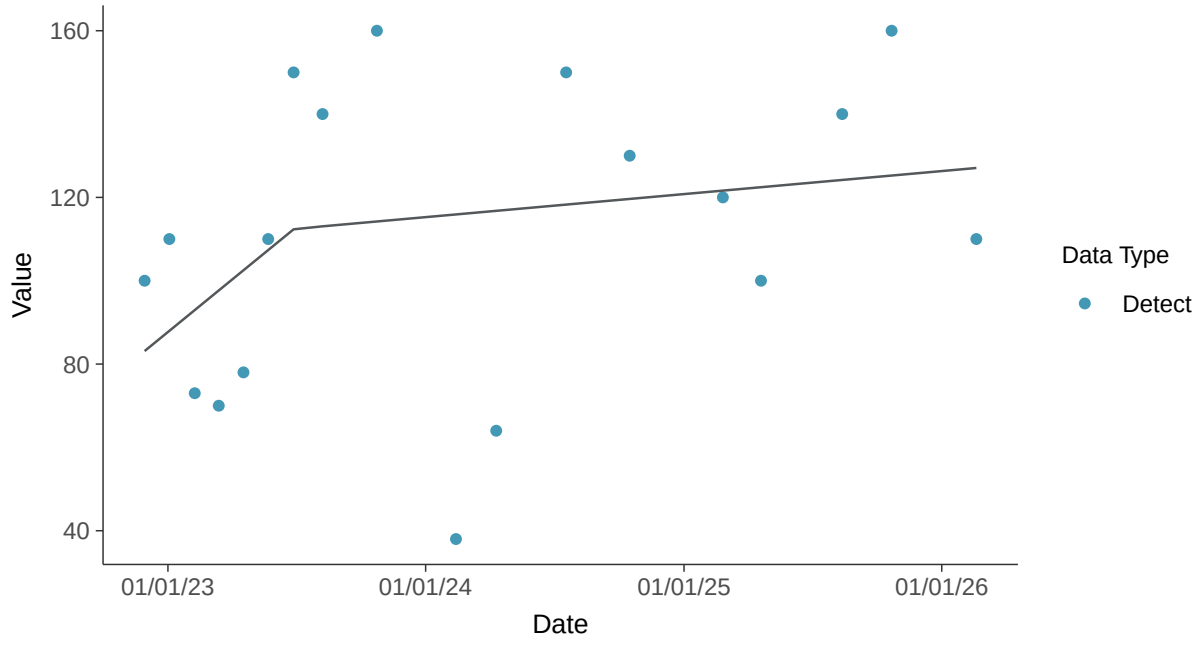
Trend Regression: Lognormal MLE

Boron, MW-01R (mg/L)



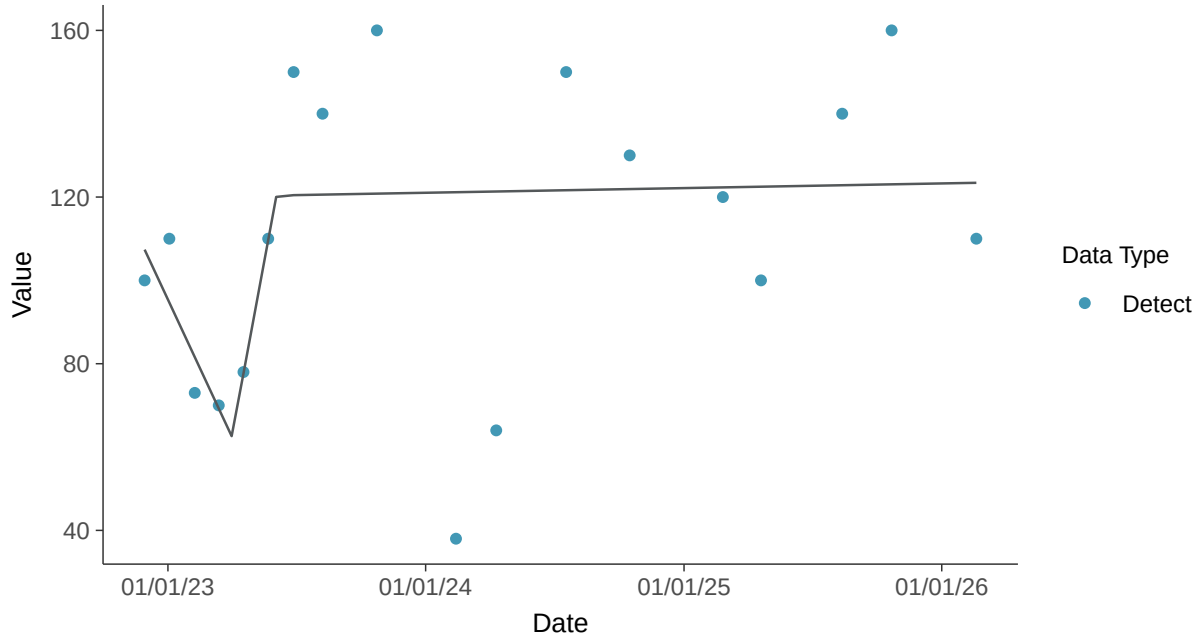
Trend Regression: Piecewise Linear-Linear

Boron, MW-01R (mg/L)



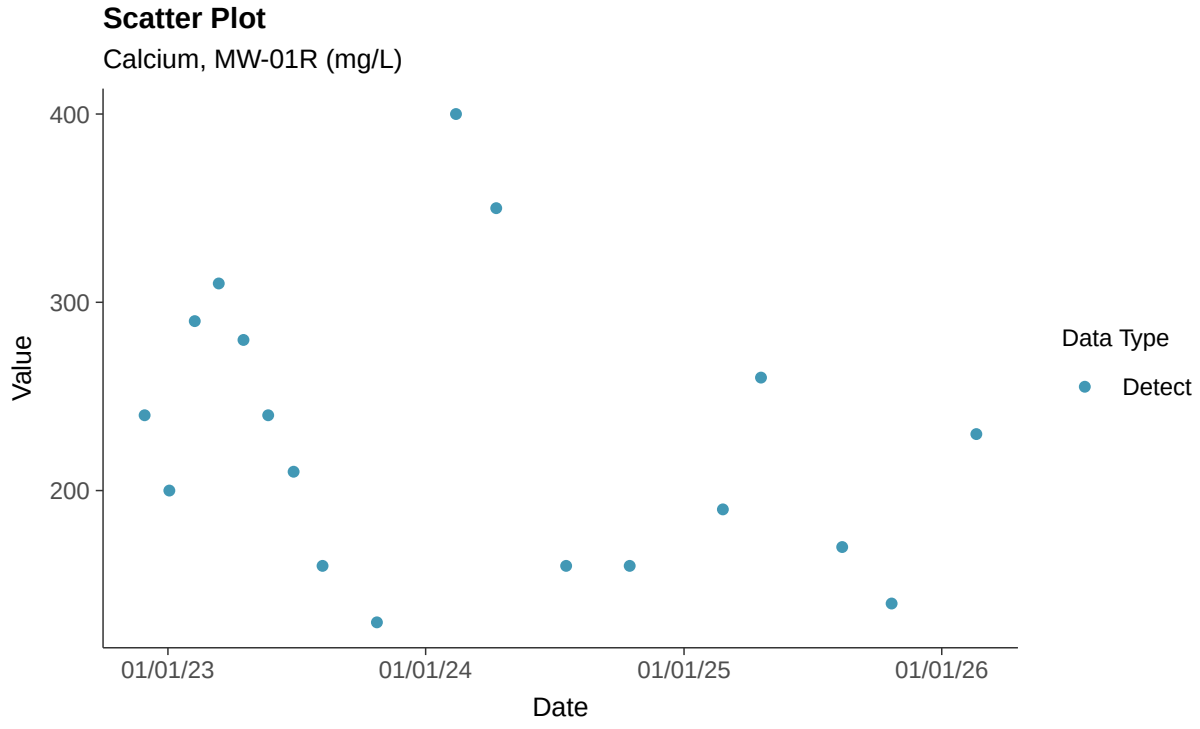
Trend Regression: Piecewise Linear-Linear-Linear

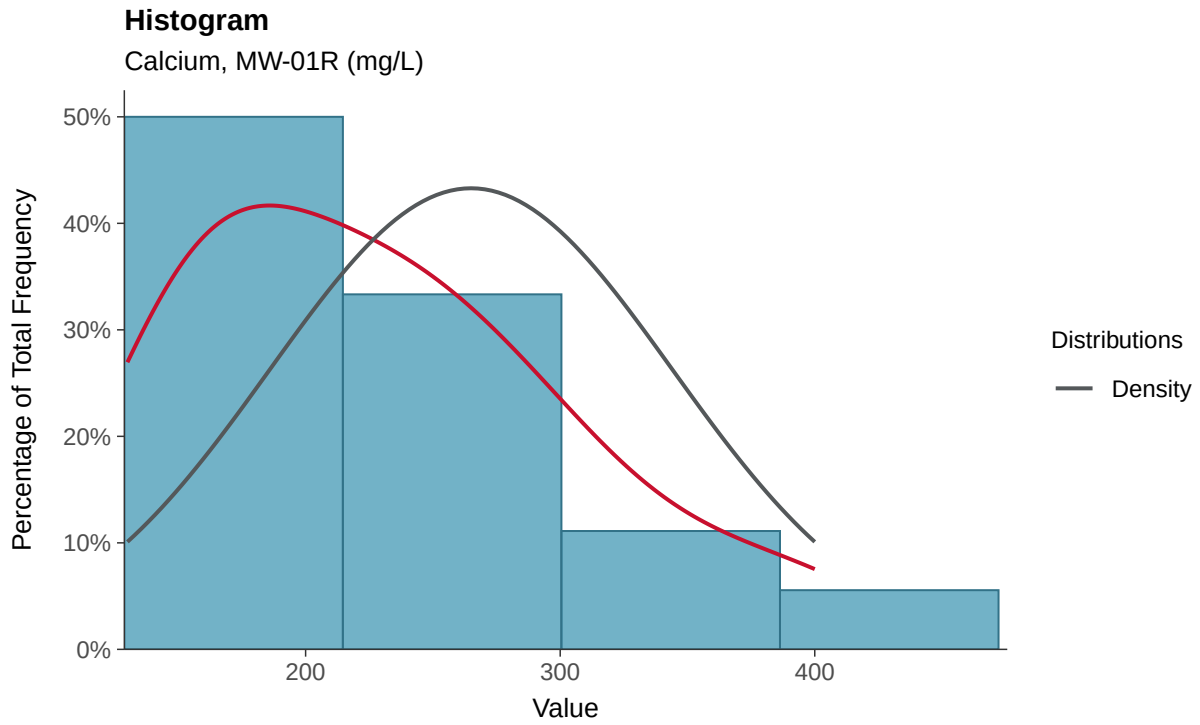
Boron, MW-01R (mg/L)



Appendix III: Calcium, MW-01R

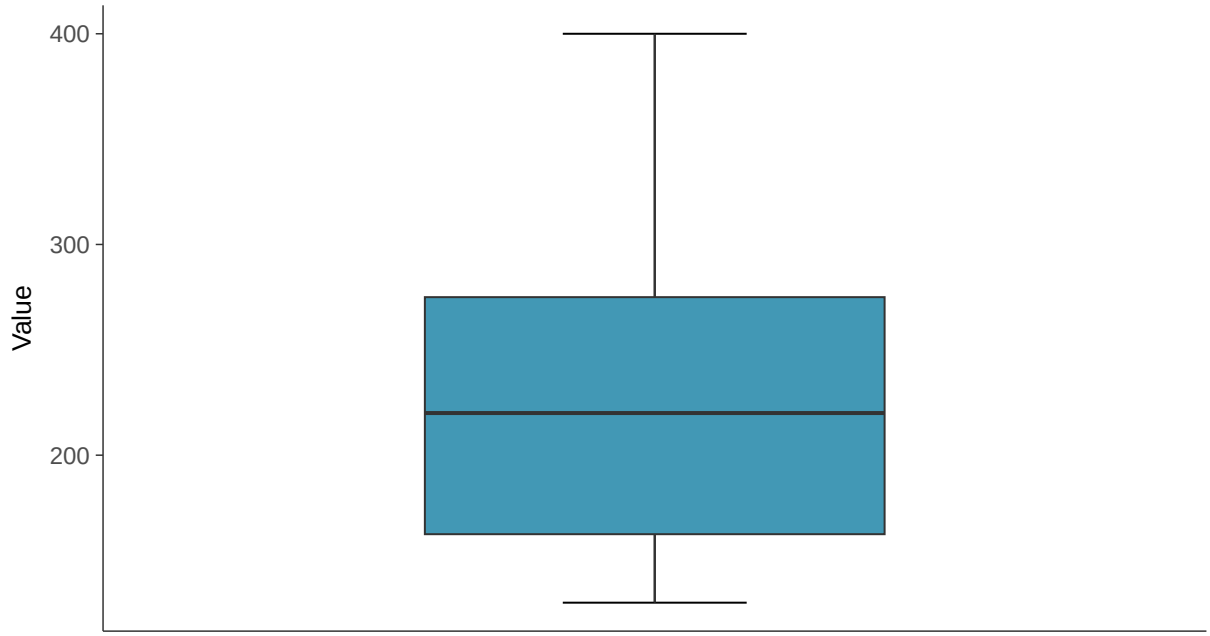
ID: 11_2_3_107





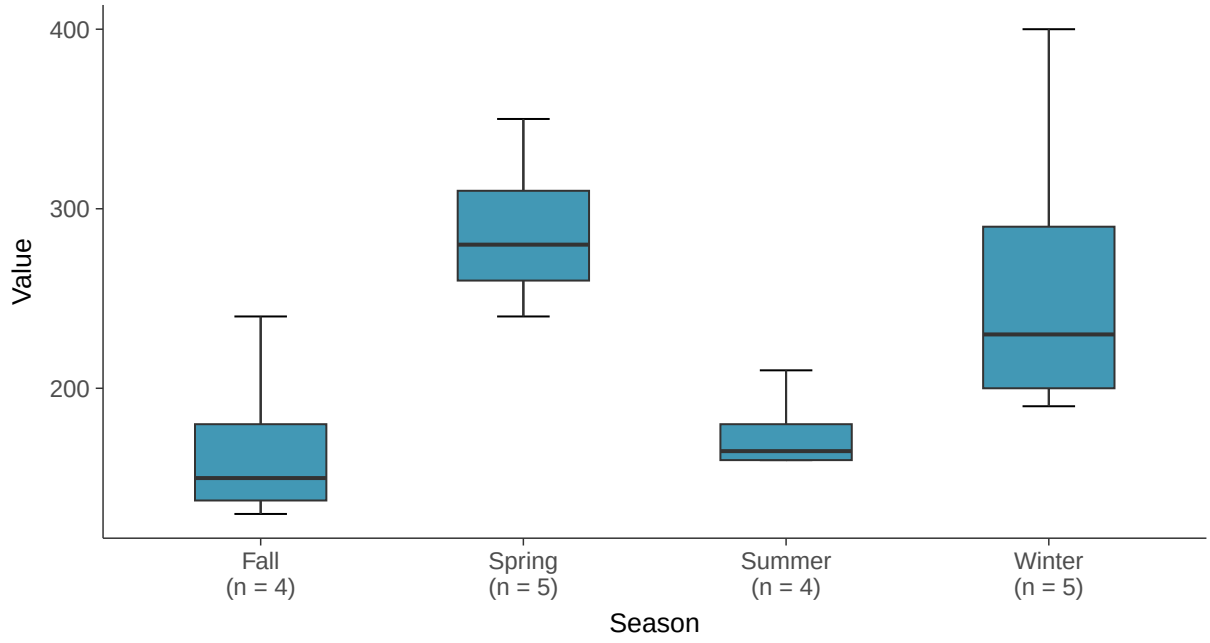
Boxplot

Calcium, MW-01R (mg/L)



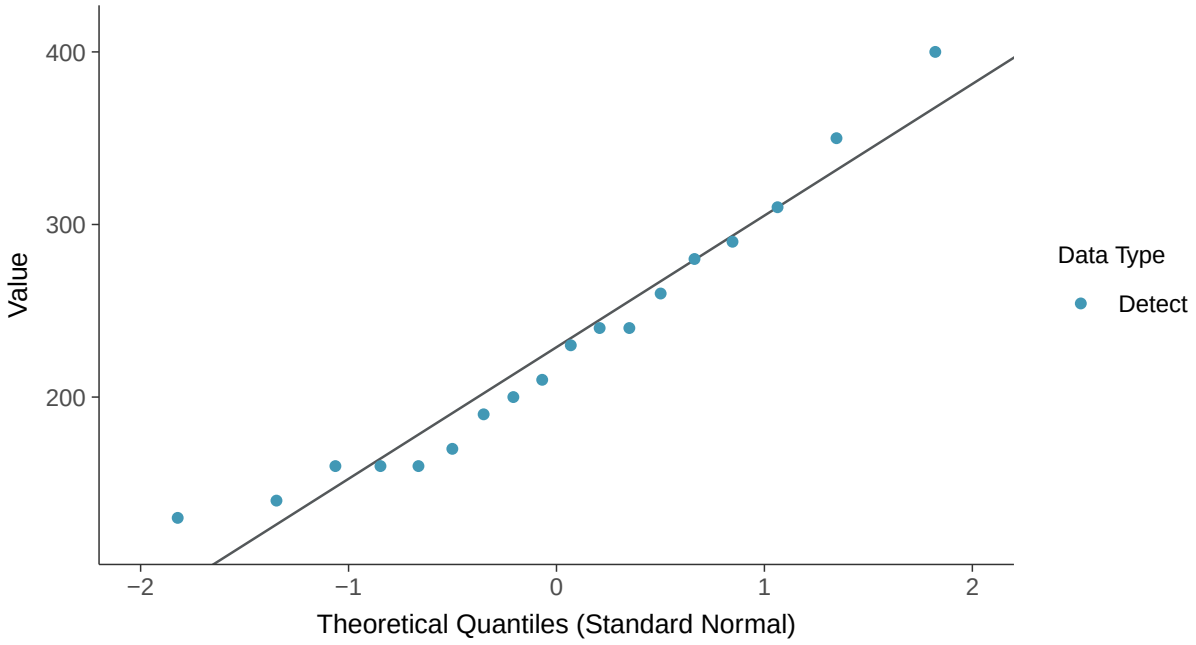
Boxplot by Season

Calcium, MW-01R (mg/L)



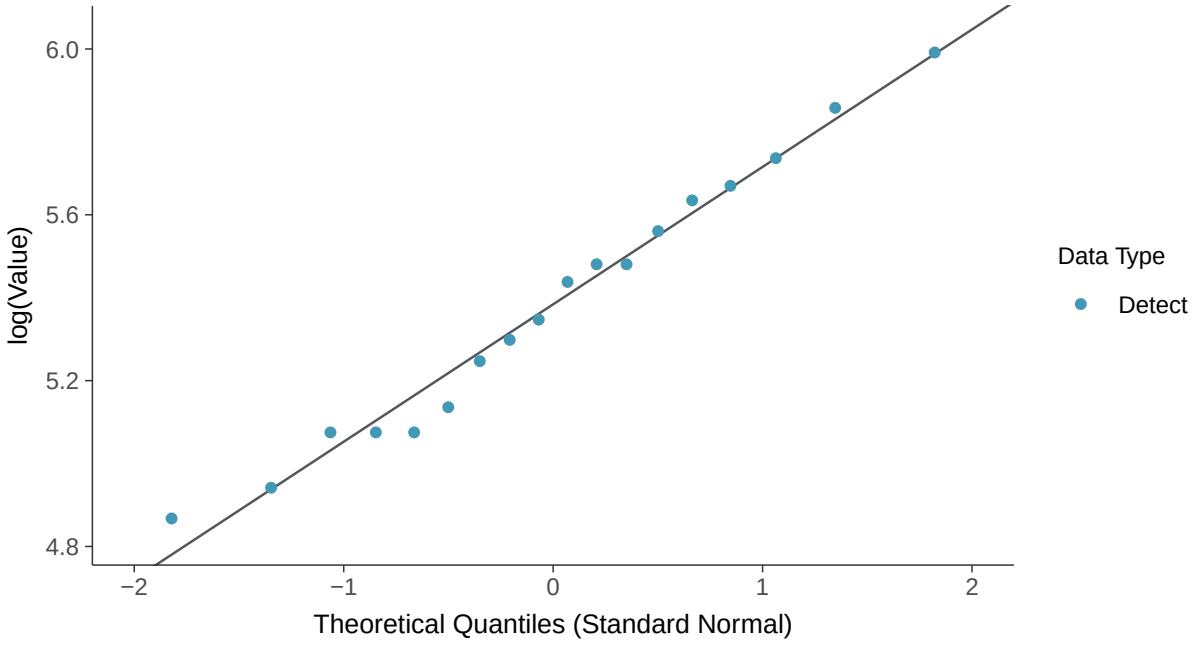
Normal Q-Q plot

Calcium, MW-01R (mg/L)



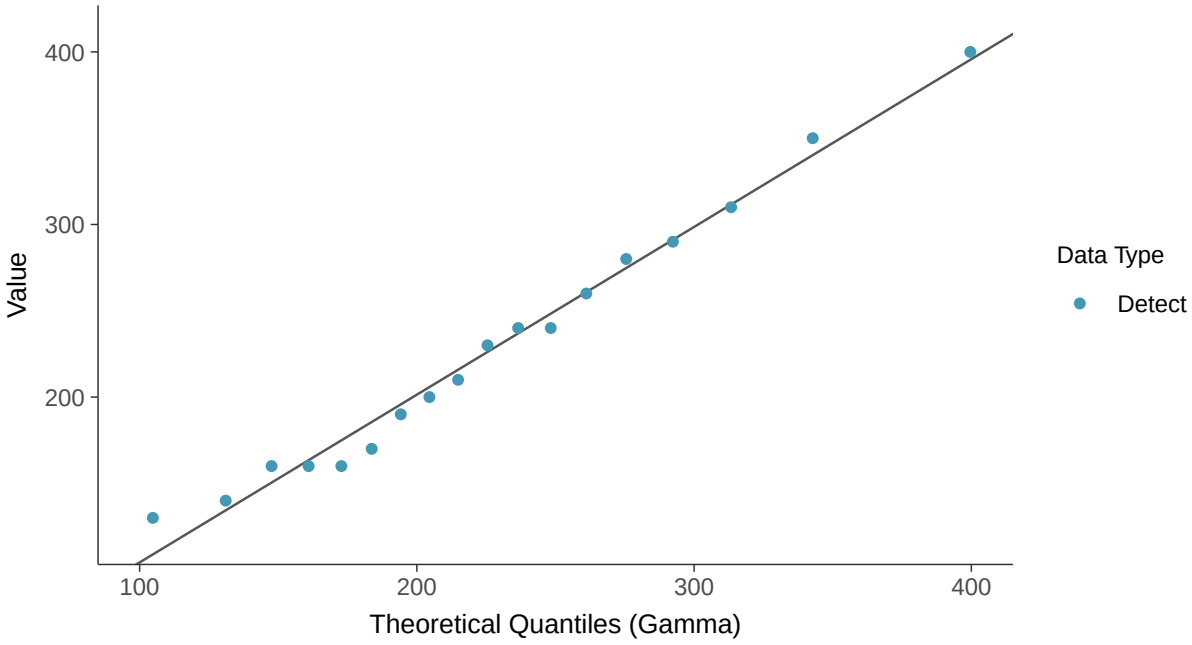
Lognormal Q-Q plot

Calcium, MW-01R (mg/L)



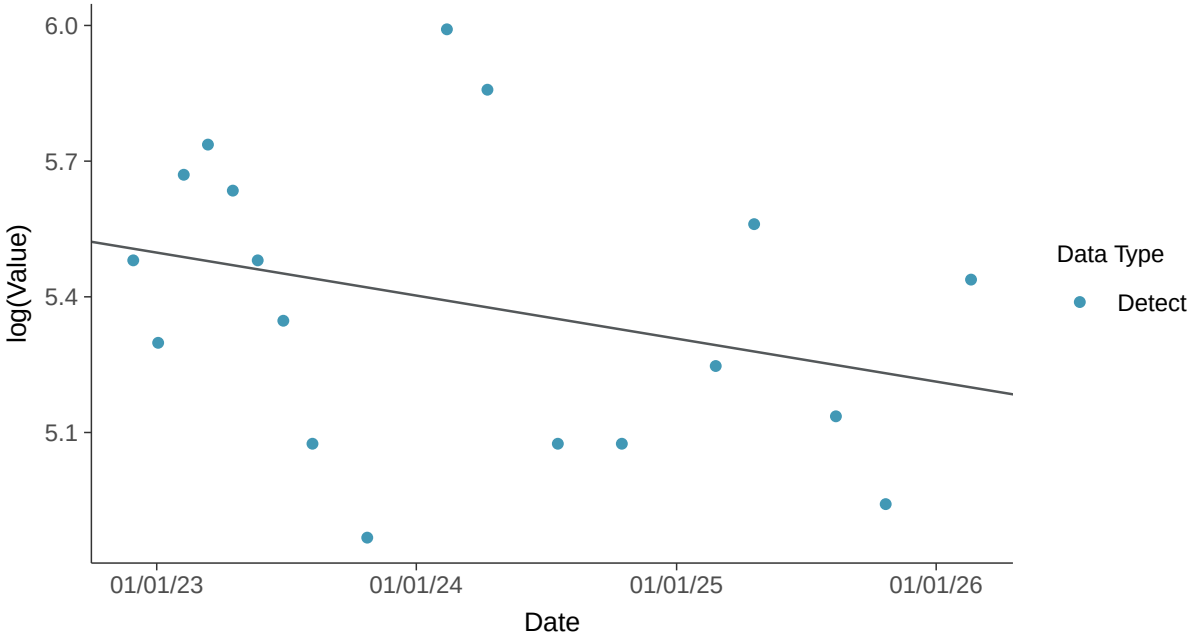
Gamma Q-Q plot

Calcium, MW-01R (mg/L)



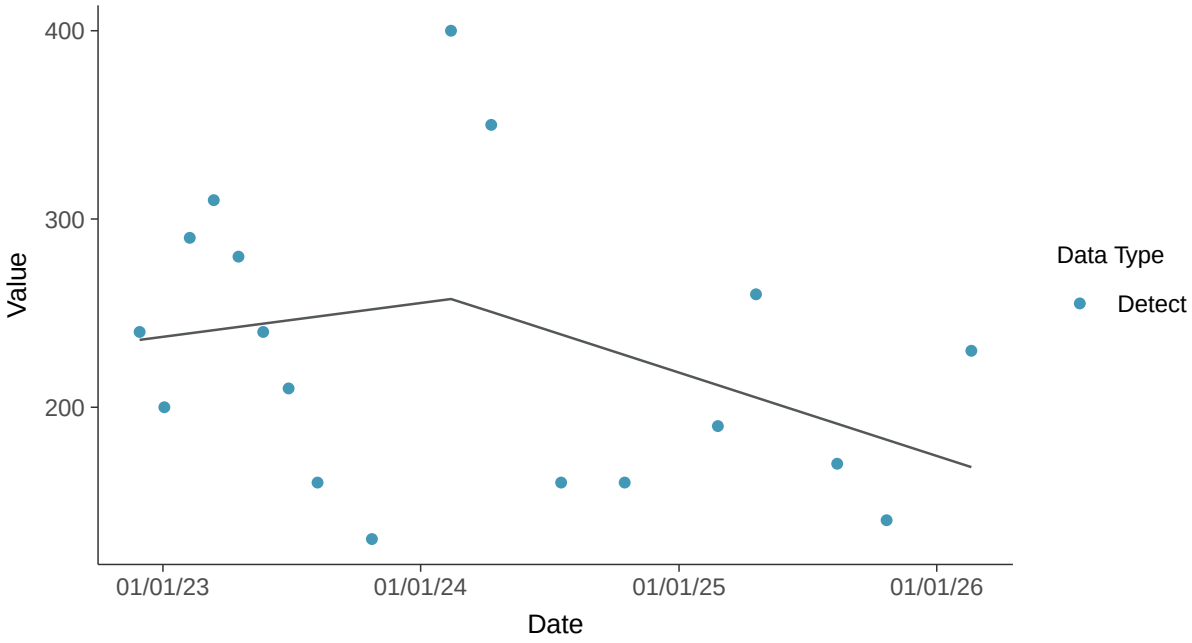
Trend Regression: Lognormal MLE

Calcium, MW-01R (mg/L)



Trend Regression: Piecewise Linear-Linear

Calcium, MW-01R (mg/L)

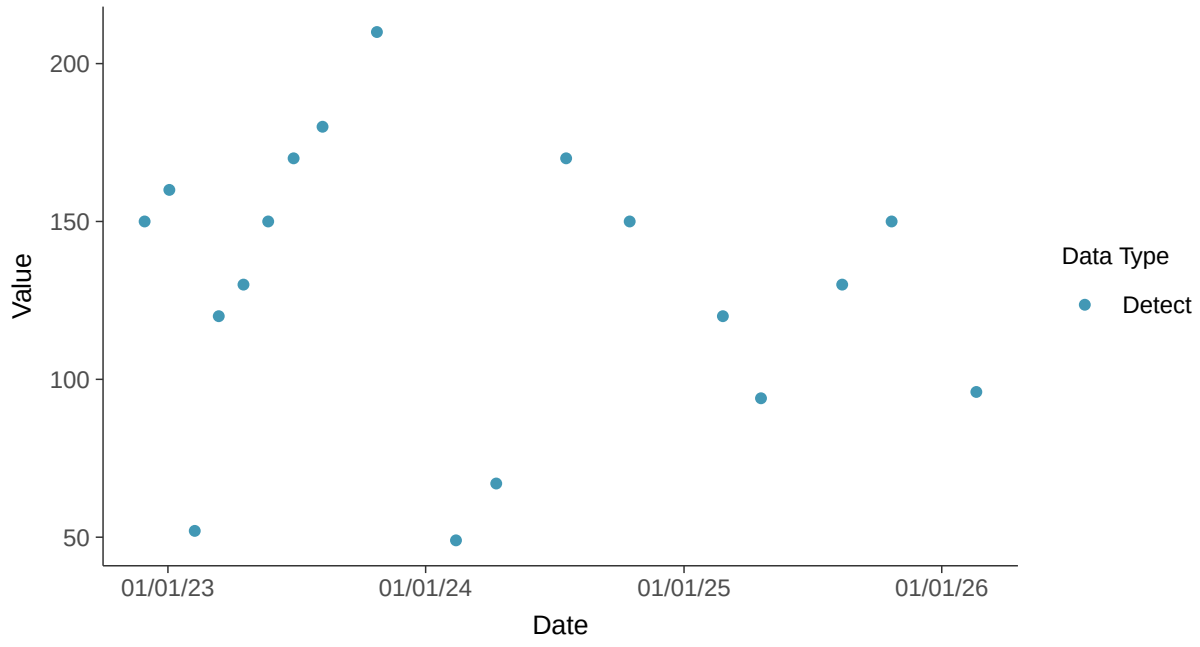


Appendix III: Chloride (as Cl), MW-01R

ID: 11_2_3_108

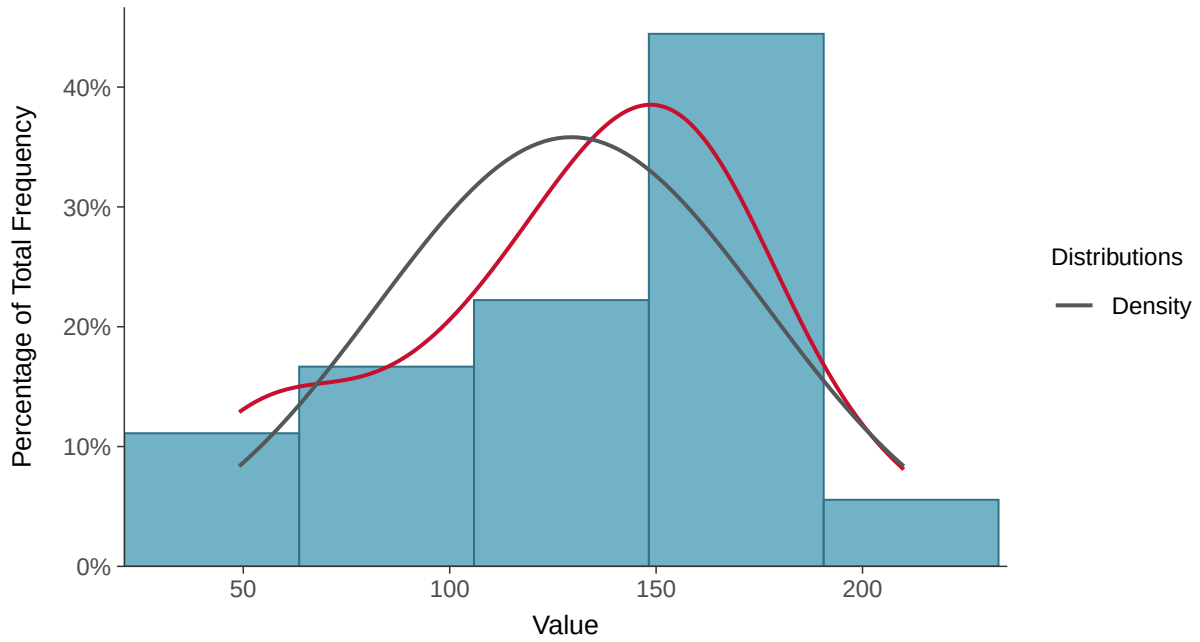
Scatter Plot

Chloride (as Cl), MW-01R (mg/L)



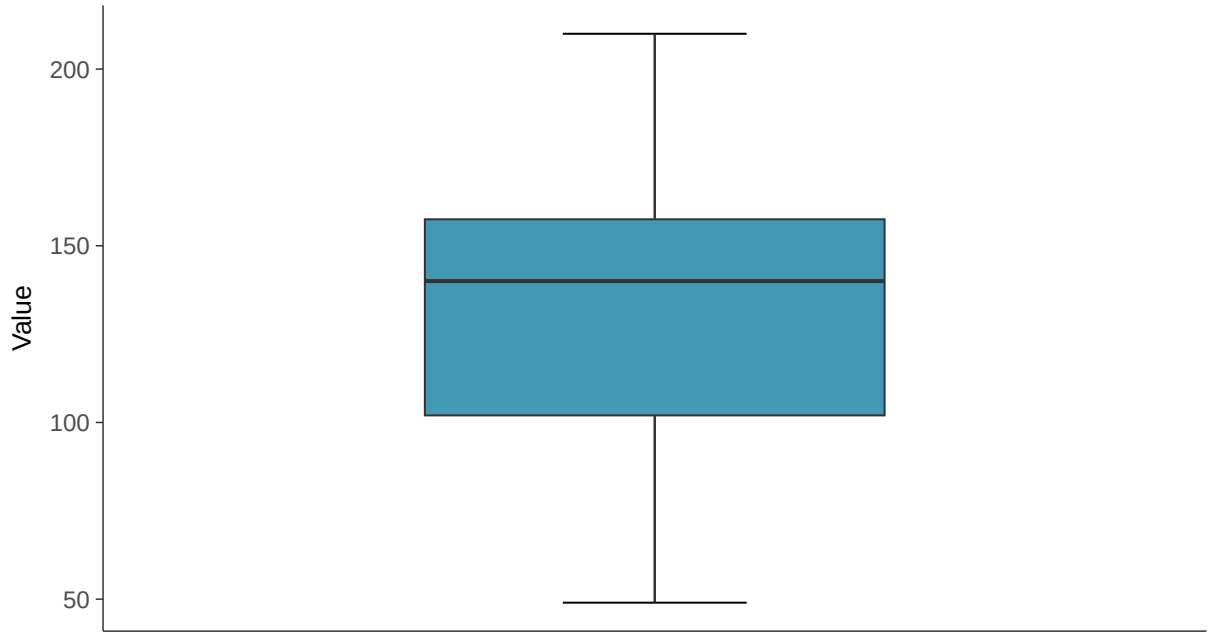
Histogram

Chloride (as Cl), MW-01R (mg/L)



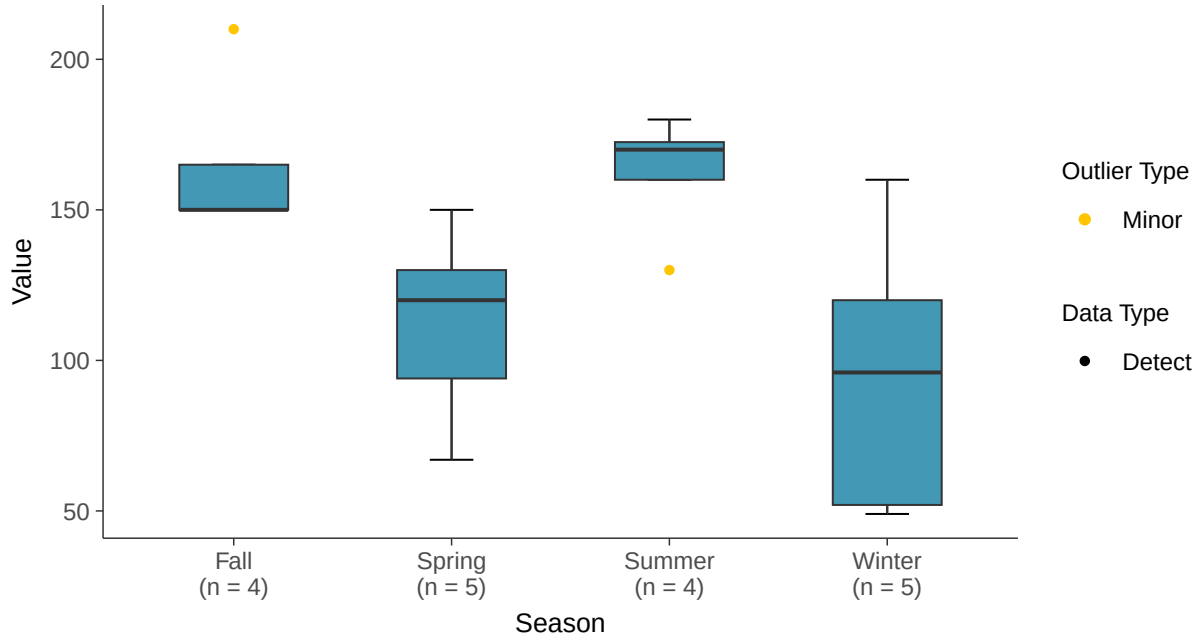
Boxplot

Chloride (as Cl), MW-01R (mg/L)



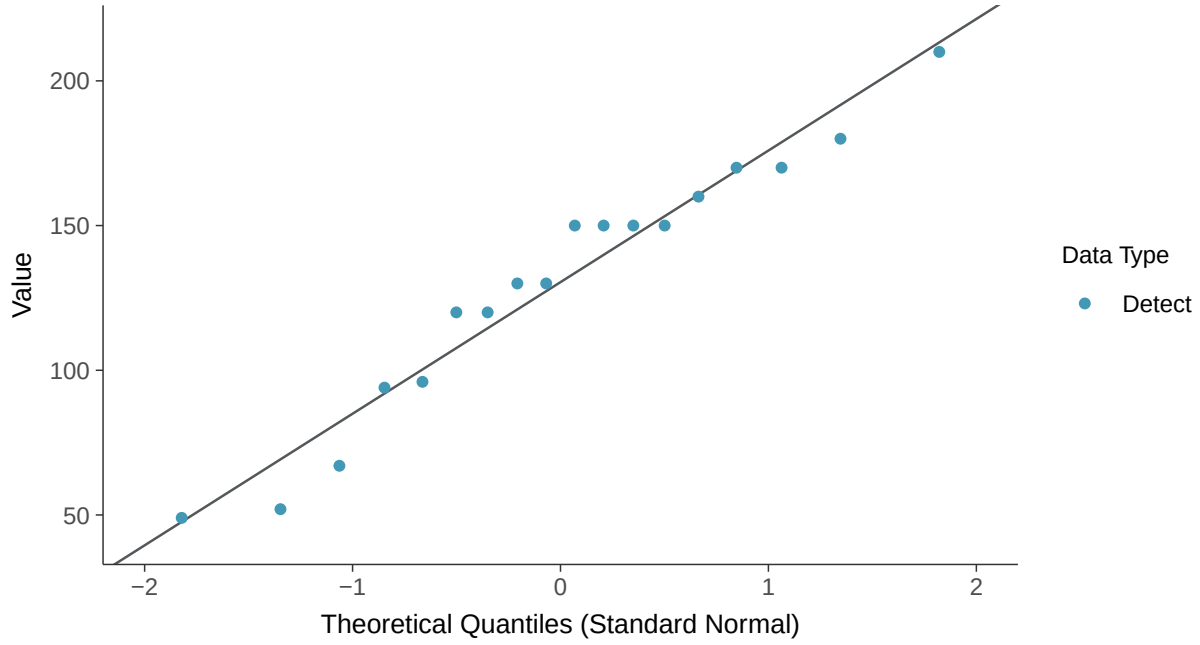
Boxplot by Season

Chloride (as Cl), MW-01R (mg/L)



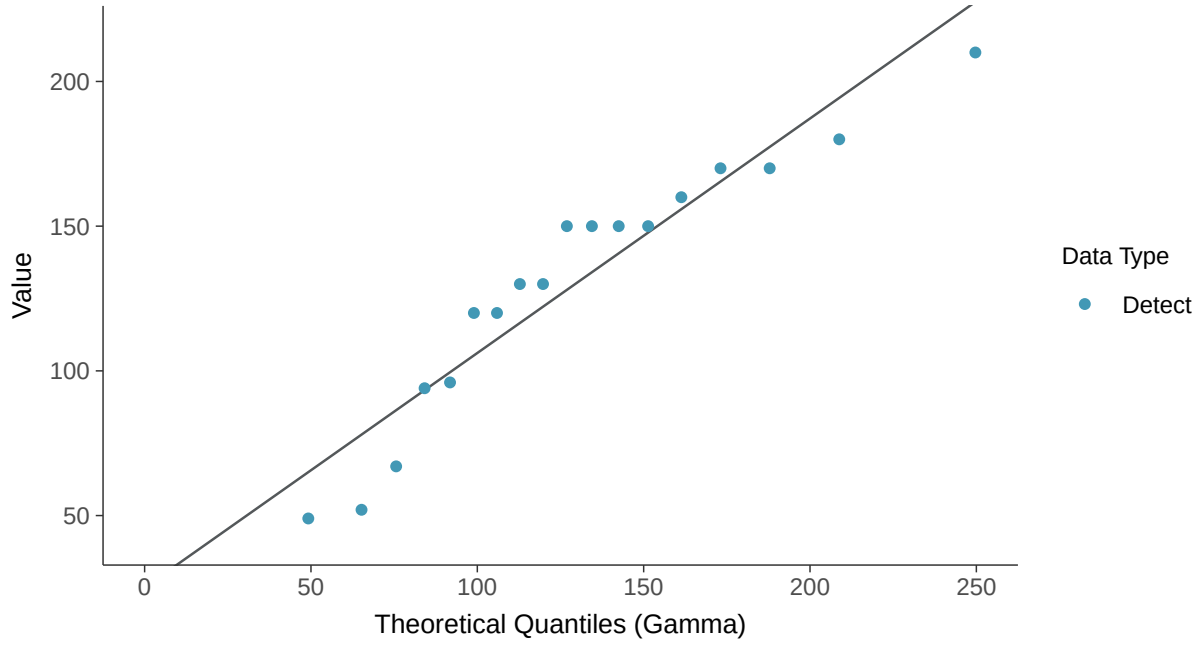
Normal Q-Q plot

Chloride (as Cl), MW-01R (mg/L)



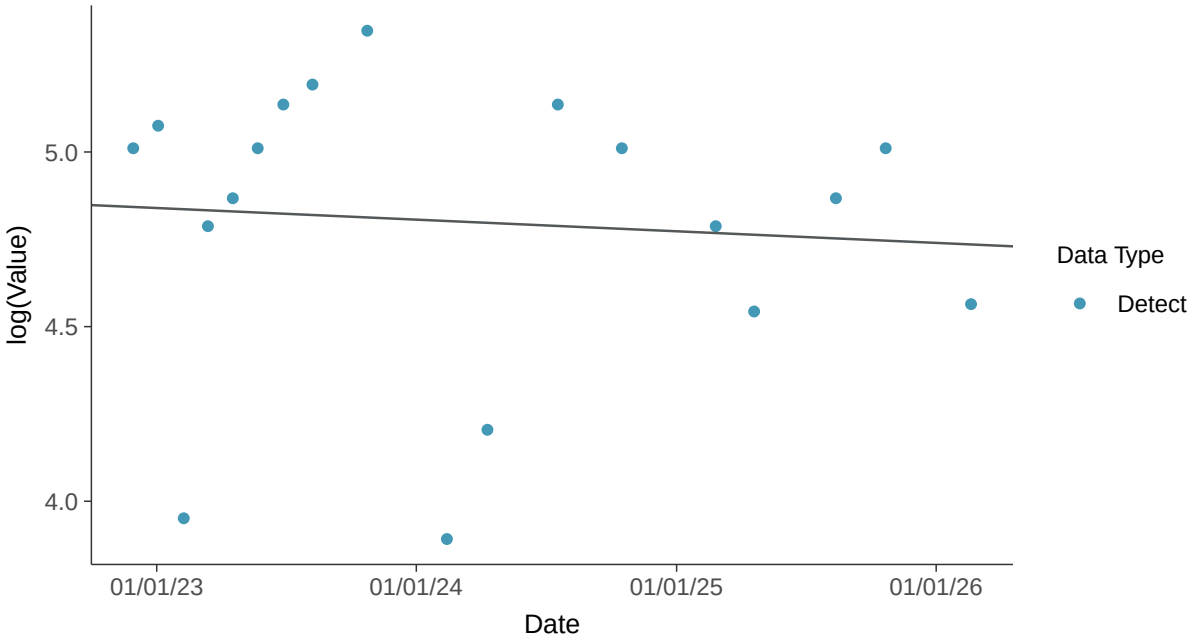
Gamma Q-Q plot

Chloride (as Cl), MW-01R (mg/L)



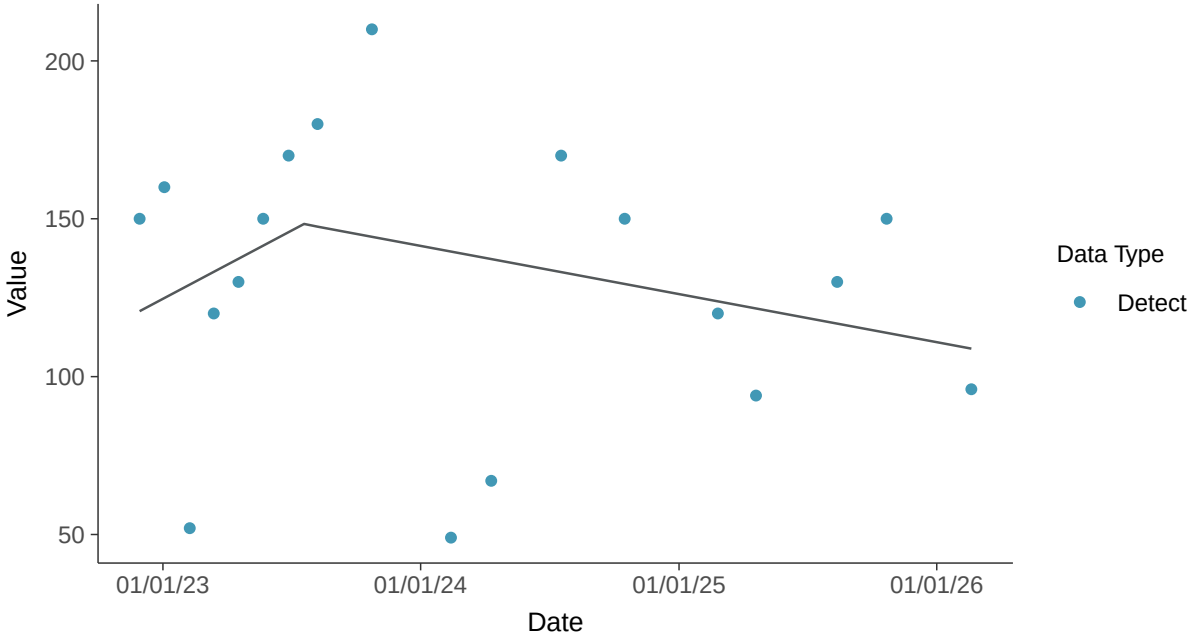
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-01R (mg/L)



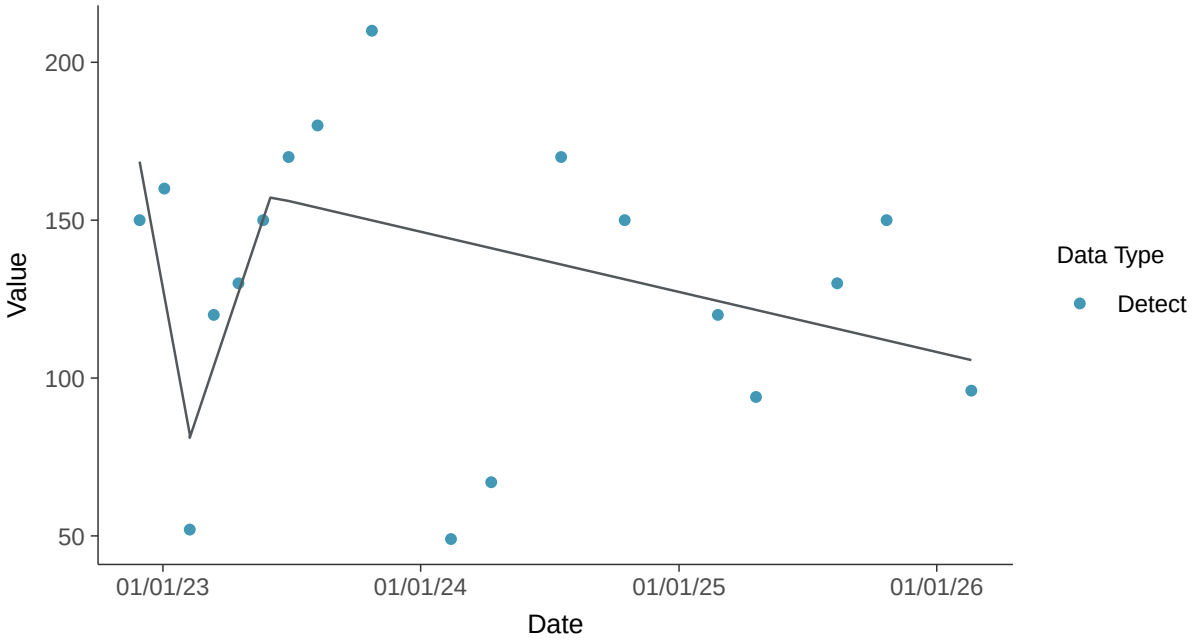
Trend Regression: Piecewise Linear-Linear

Chloride (as Cl), MW-01R (mg/L)



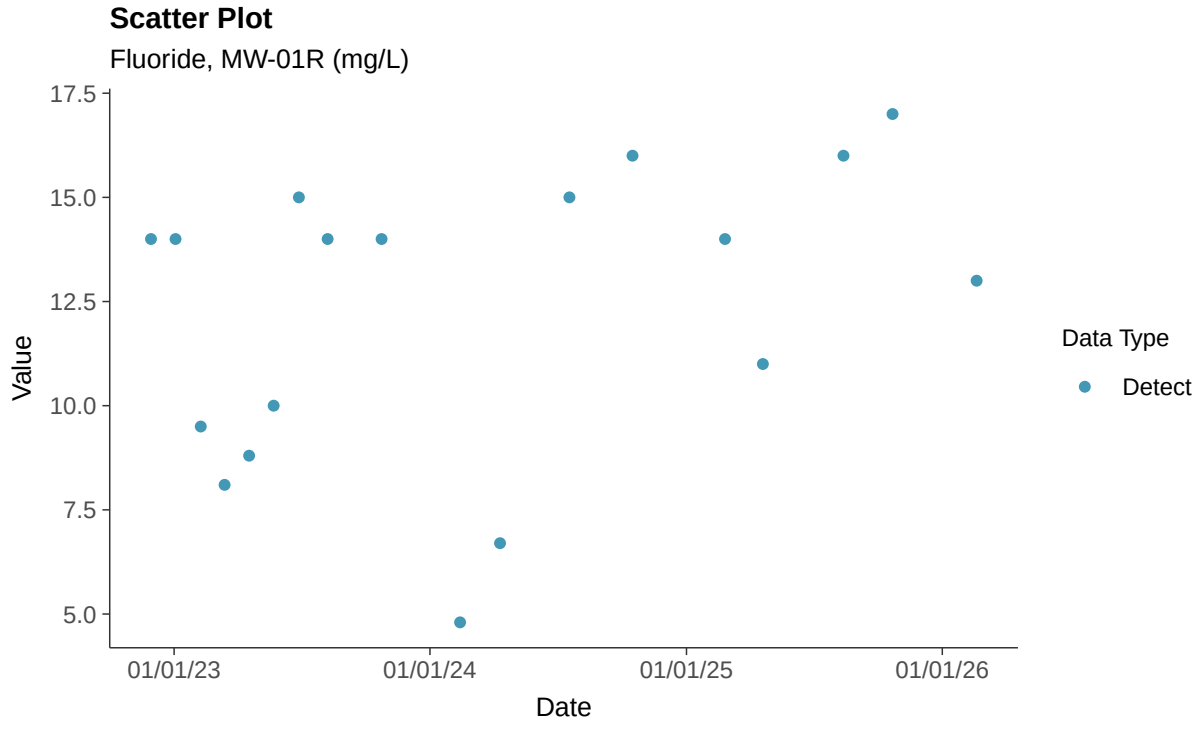
Trend Regression: Piecewise Linear-Linear-Linear

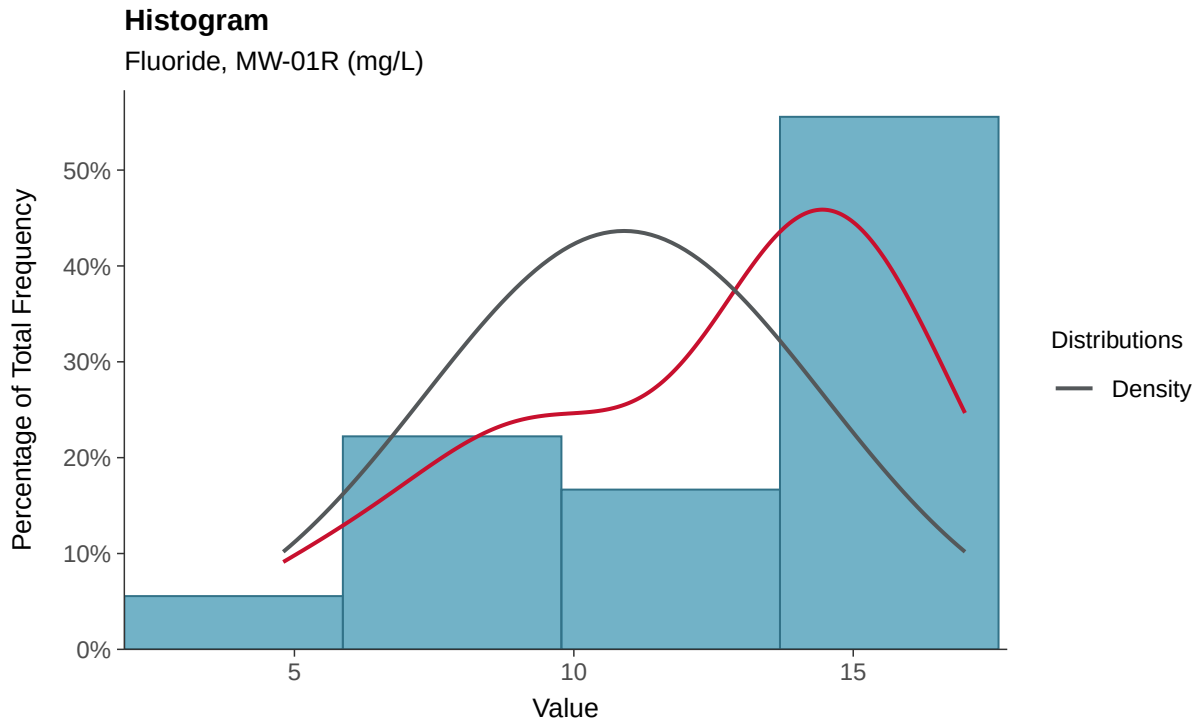
Chloride (as Cl), MW-01R (mg/L)



Appendix III: Fluoride, MW-01R

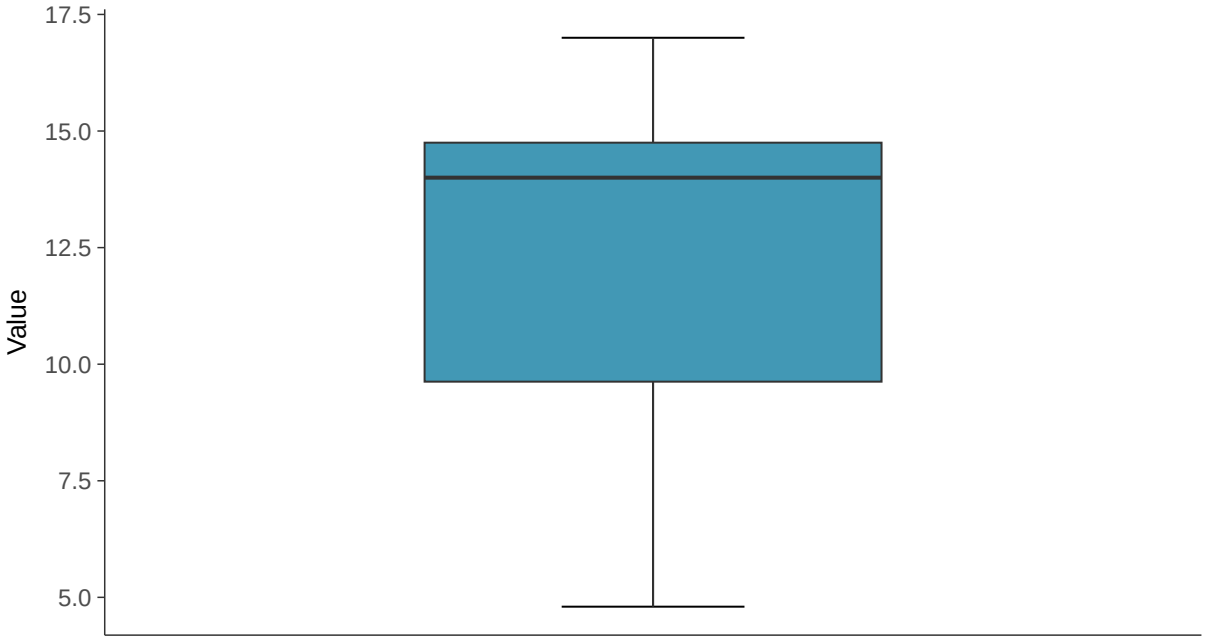
ID: 11_2_3_112





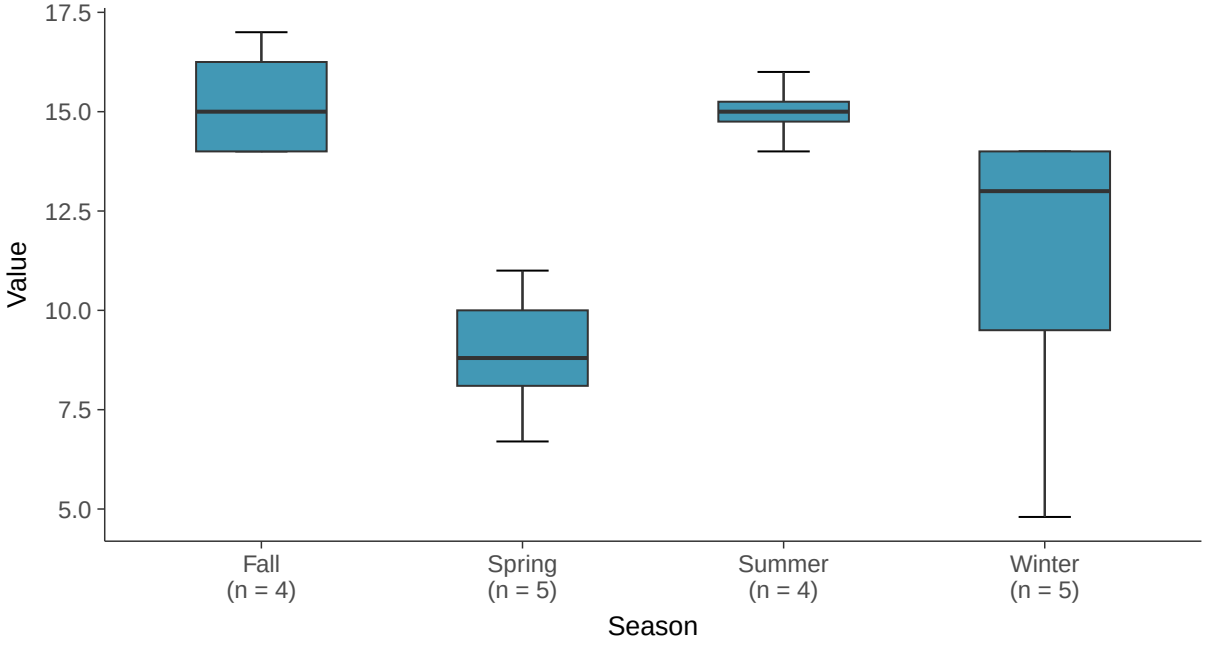
Boxplot

Fluoride, MW-01R (mg/L)



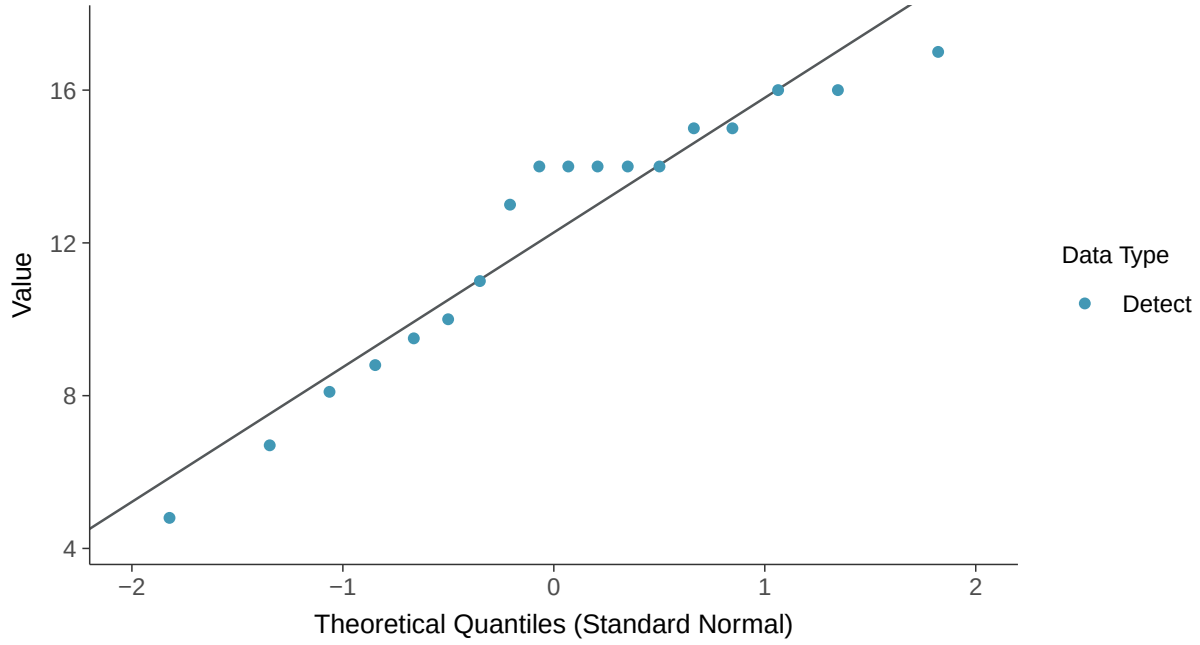
Boxplot by Season

Fluoride, MW-01R (mg/L)



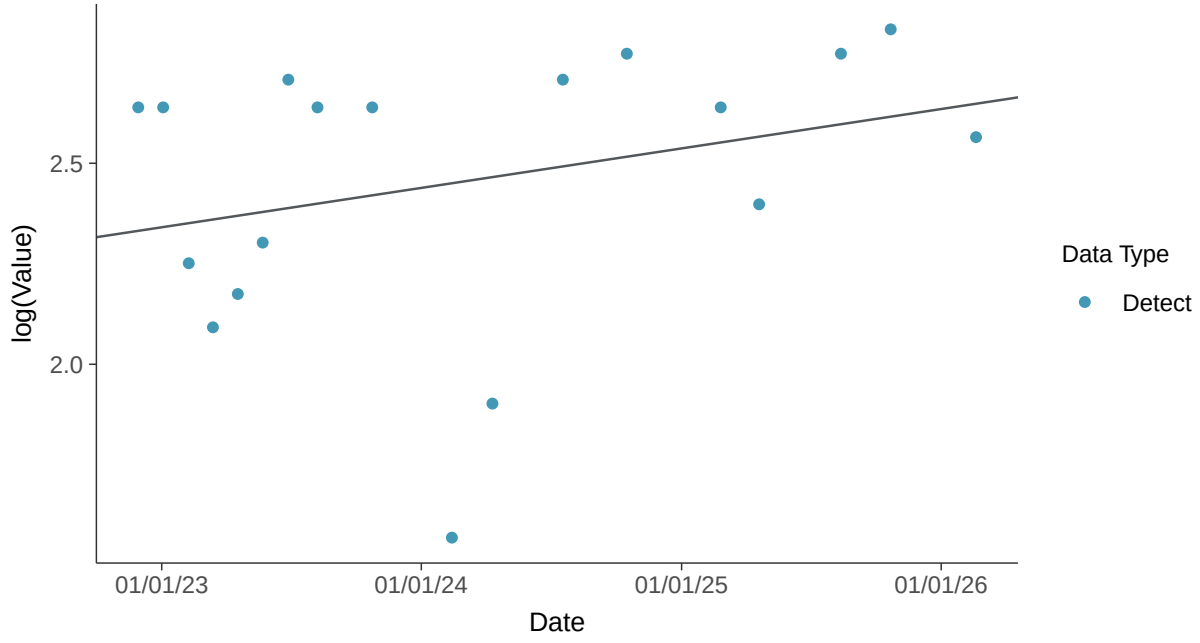
Normal Q-Q plot

Fluoride, MW-01R (mg/L)



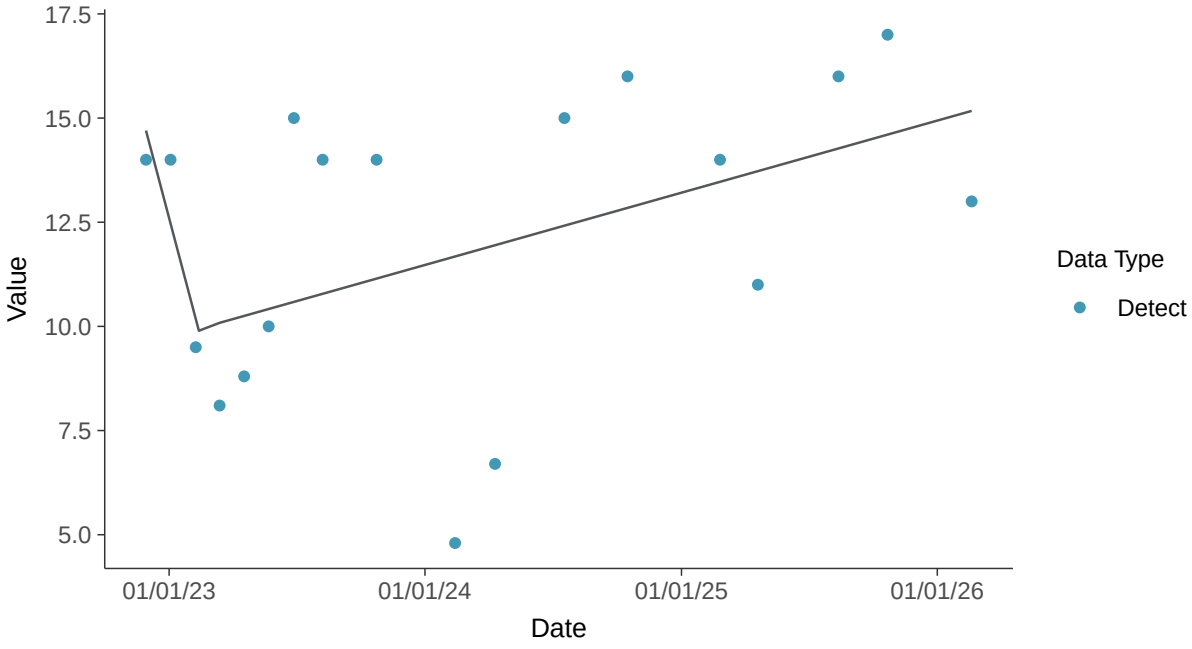
Trend Regression: Lognormal MLE

Fluoride, MW-01R (mg/L)



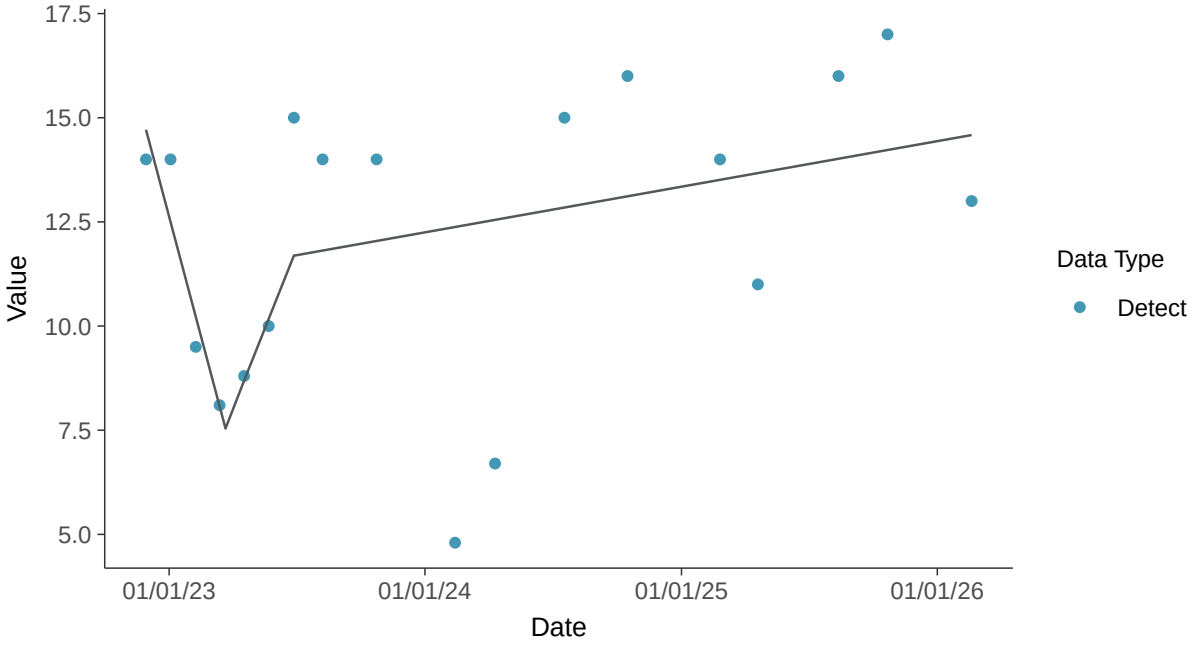
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-01R (mg/L)



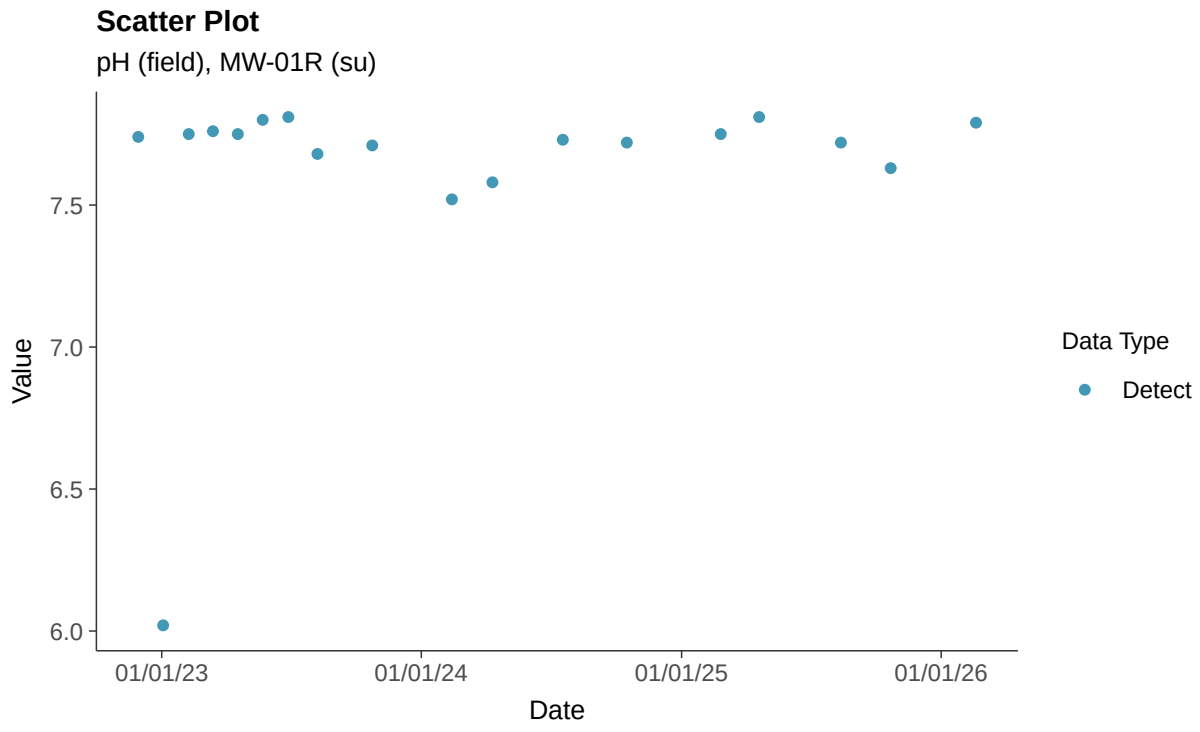
Trend Regression: Piecewise Linear-Linear-Linear

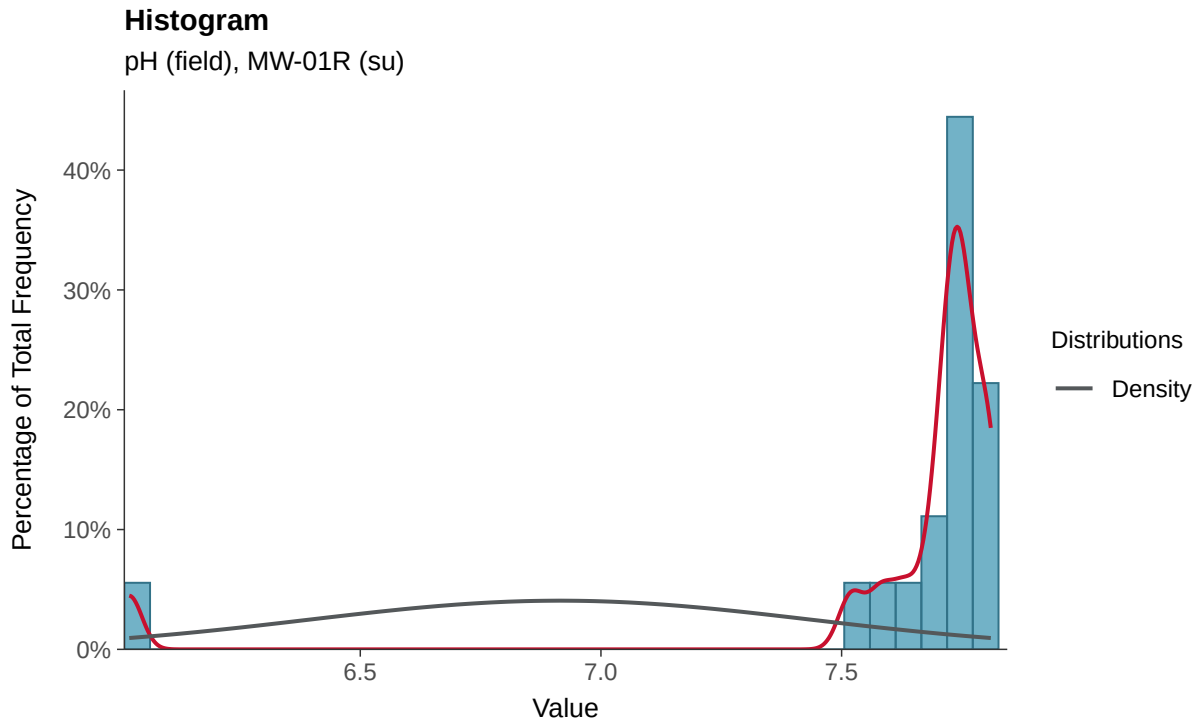
Fluoride, MW-01R (mg/L)



Appendix III: pH (field), MW-01R

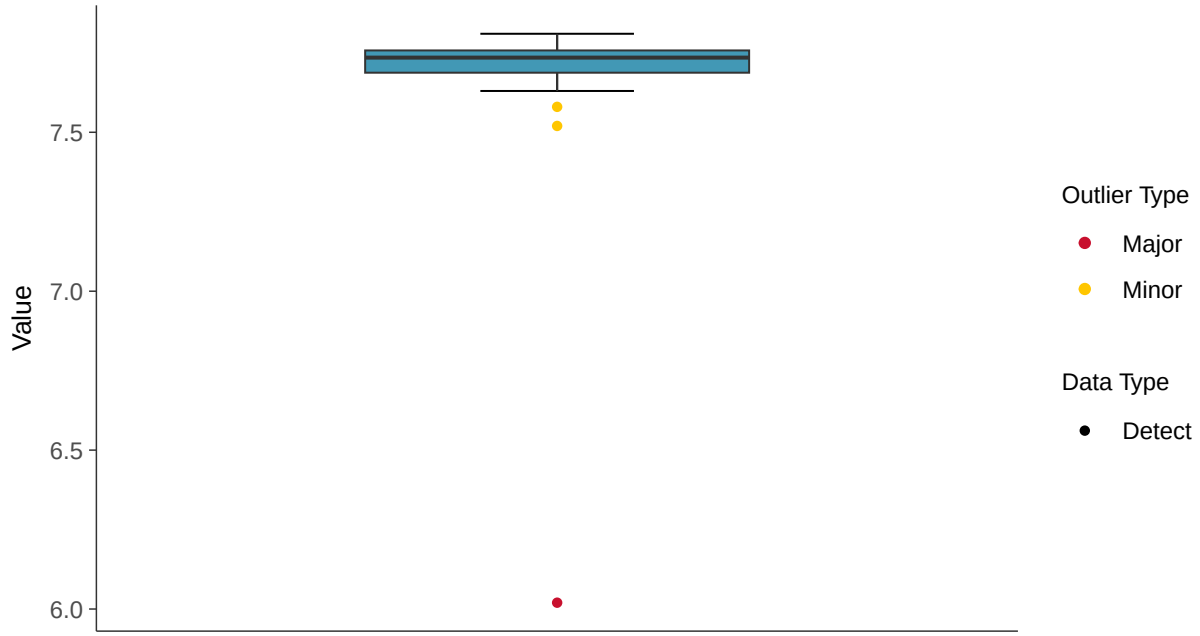
ID: 11_2_3_120





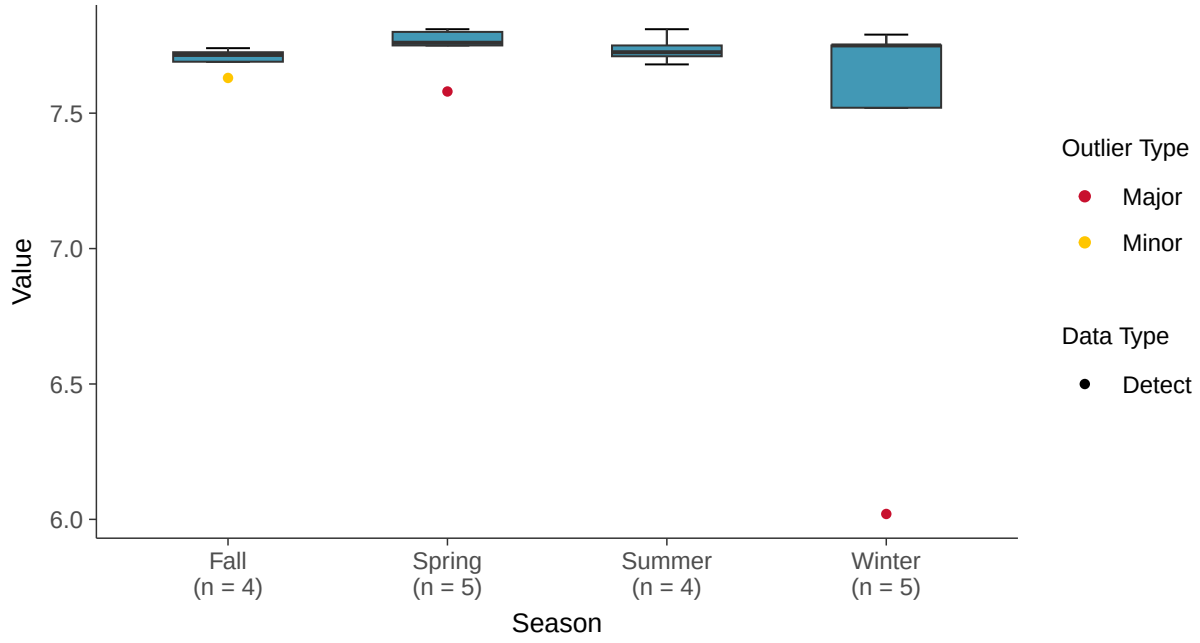
Boxplot

pH (field), MW-01R (su)



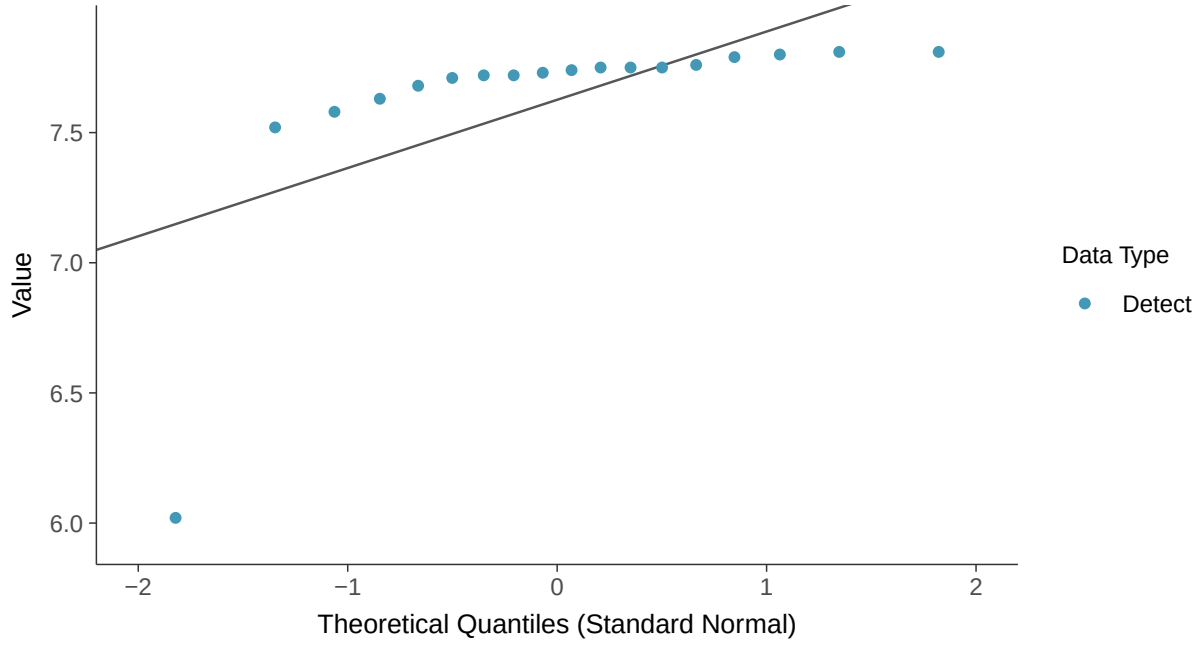
Boxplot by Season

pH (field), MW-01R (su)



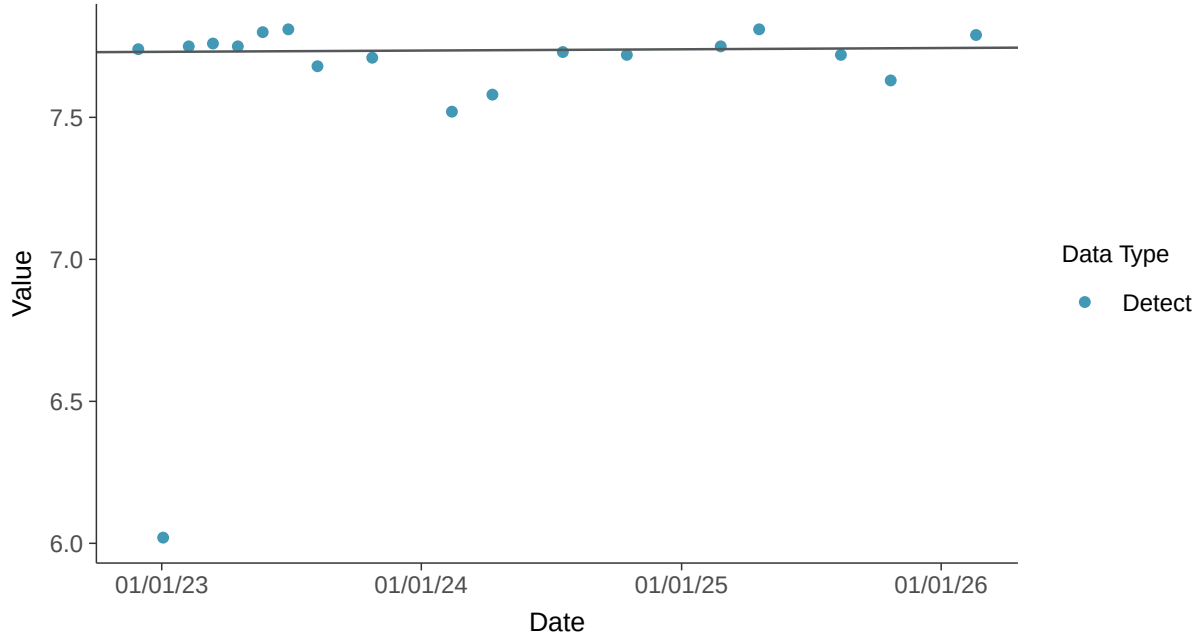
Normal Q-Q plot

pH (field), MW-01R (su)



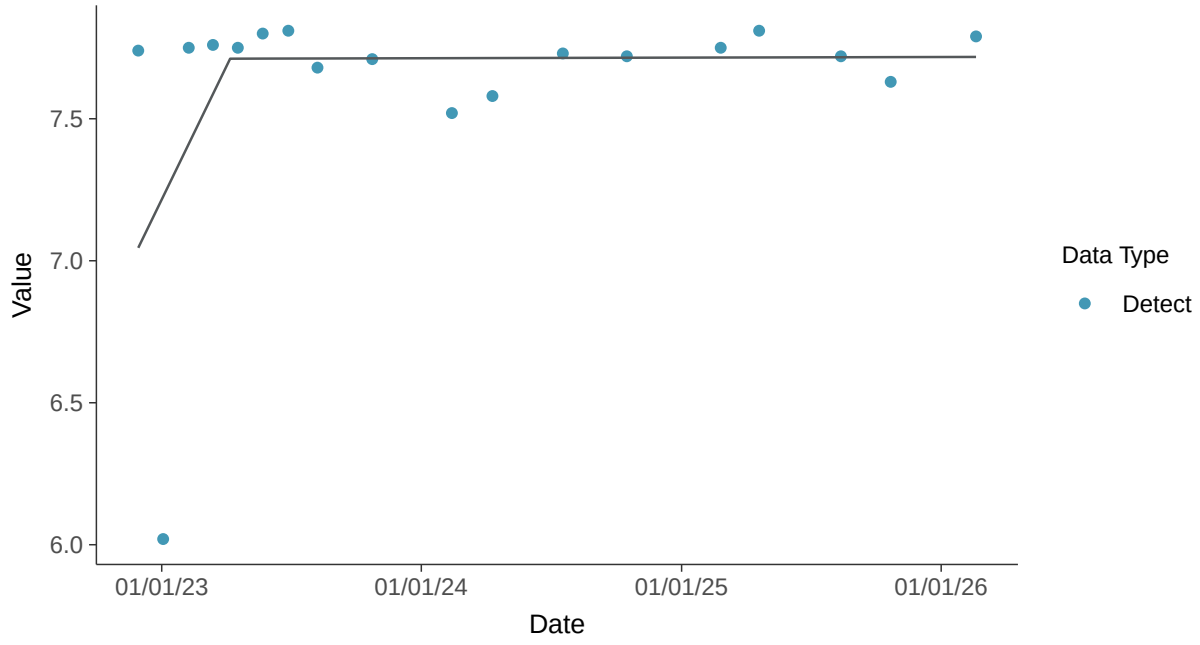
Trend Regression: Mann-Kendall/Theil-Sen Estimate

pH (field), MW-01R (su)



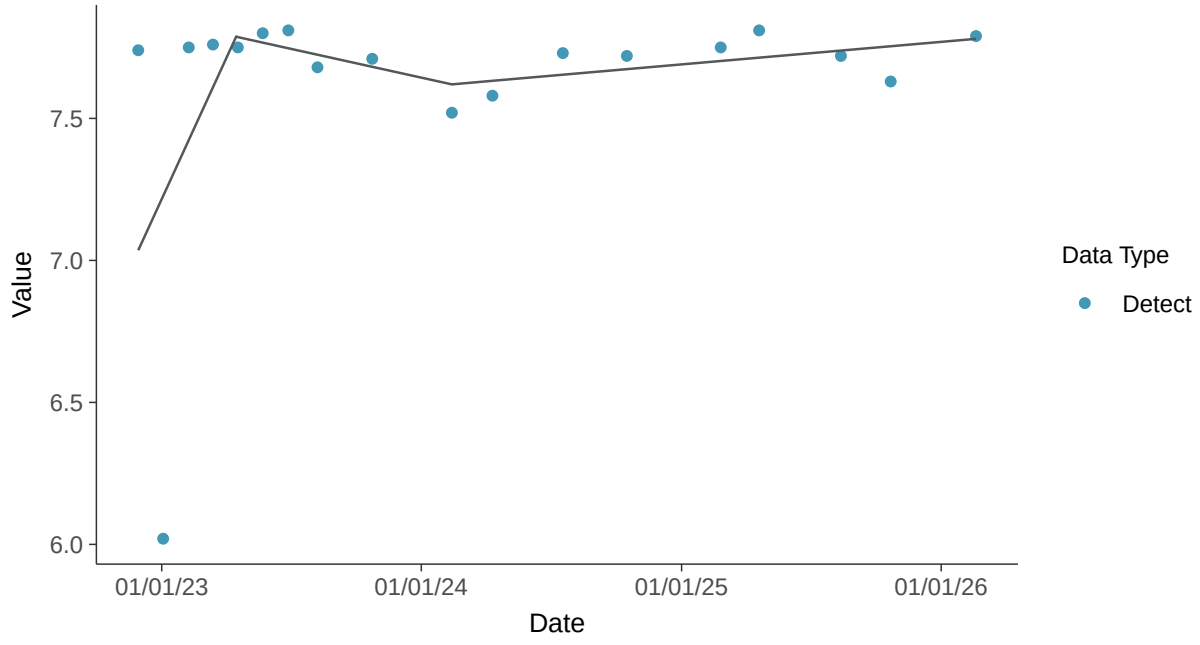
Trend Regression: Piecewise Linear-Linear

pH (field), MW-01R (su)



Trend Regression: Piecewise Linear-Linear-Linear

pH (field), MW-01R (su)

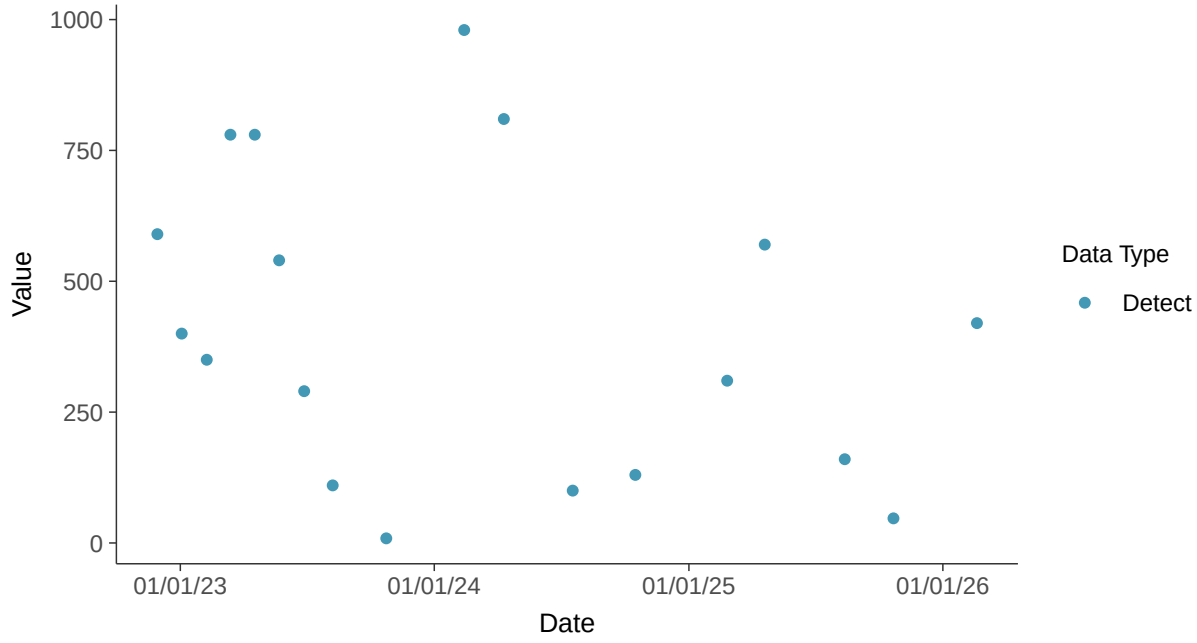


Appendix III: Sulfate (as SO4), MW-01R

ID: 11_2_3_124

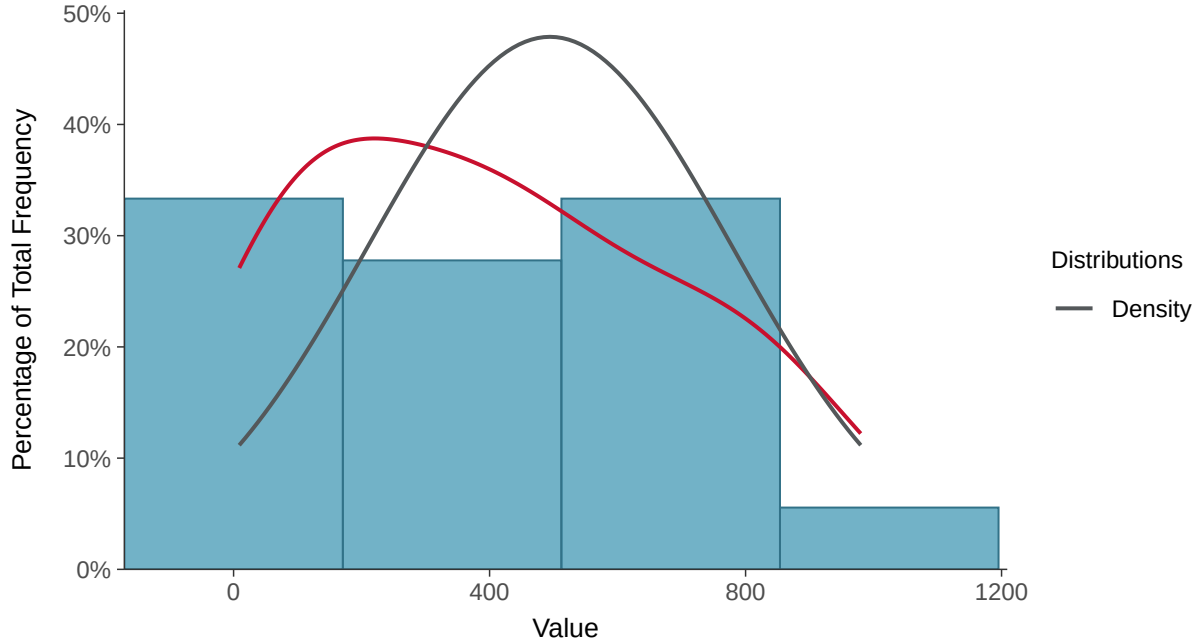
Scatter Plot

Sulfate (as SO4), MW-01R (mg/L)



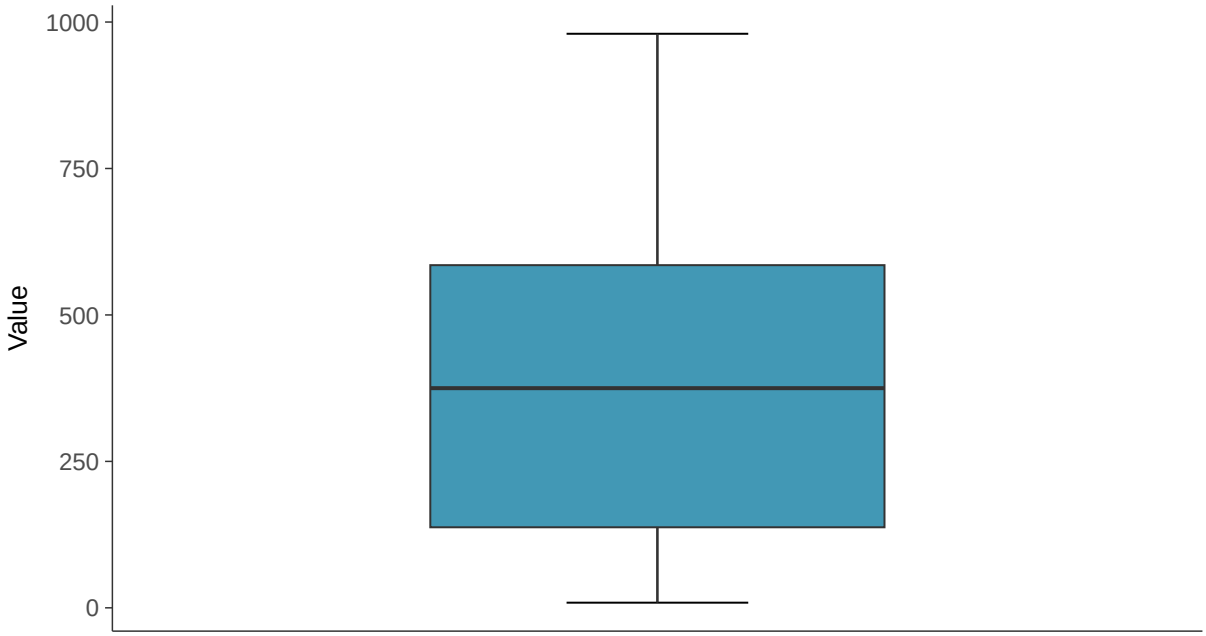
Histogram

Sulfate (as SO4), MW-01R (mg/L)



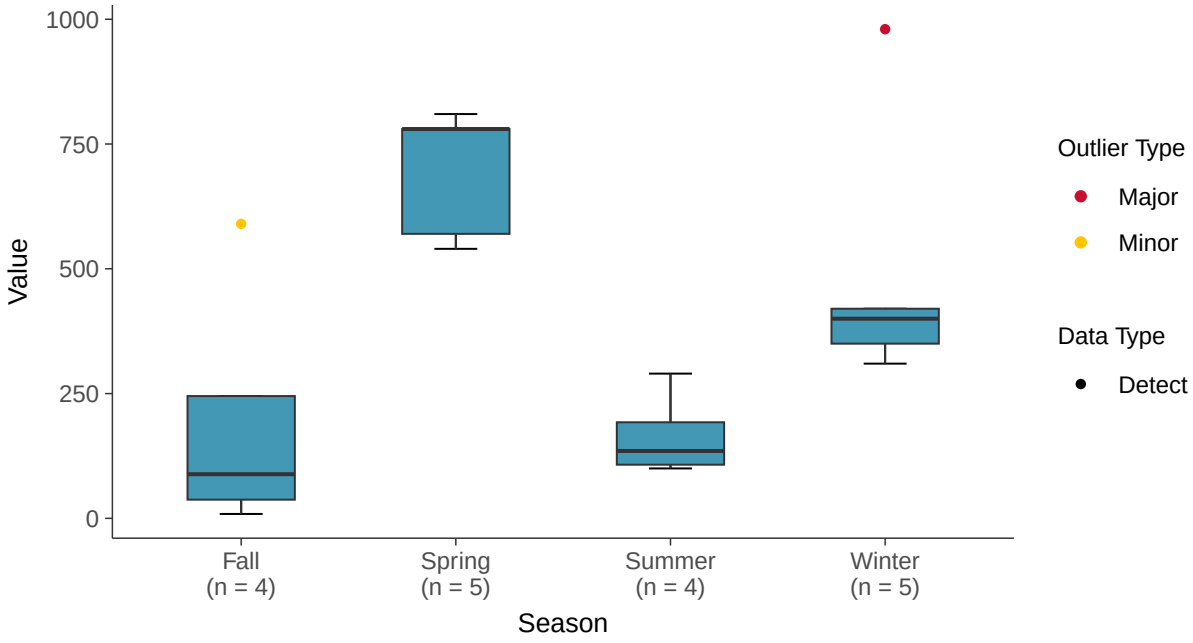
Boxplot

Sulfate (as SO4), MW-01R (mg/L)



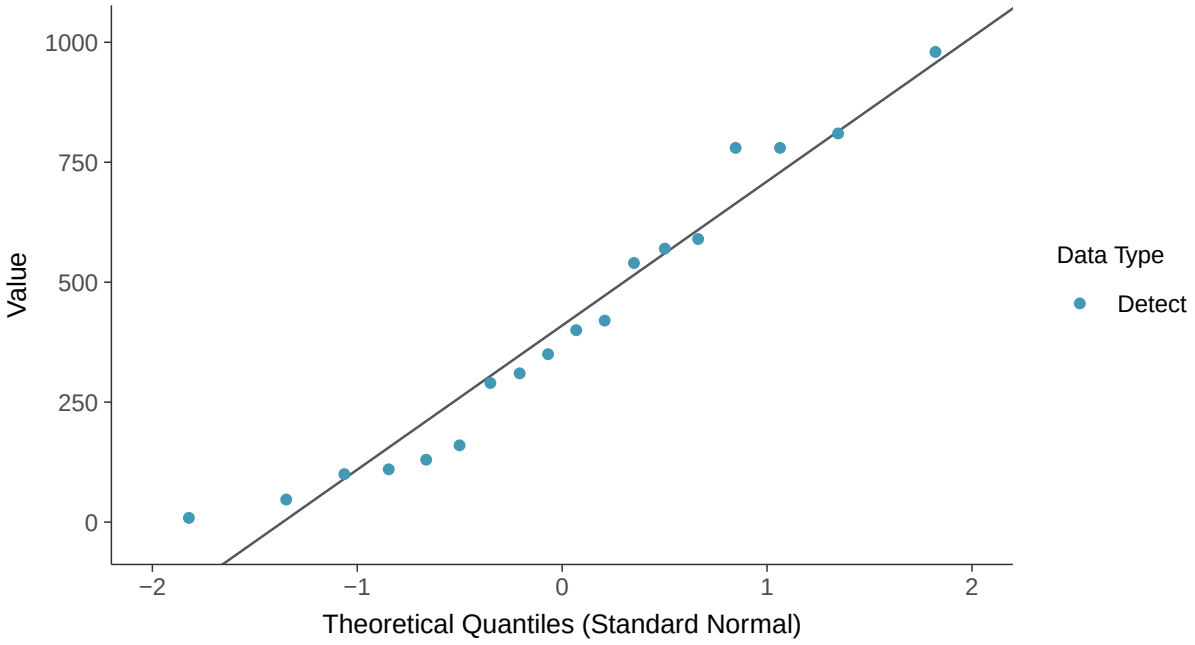
Boxplot by Season

Sulfate (as SO4), MW-01R (mg/L)



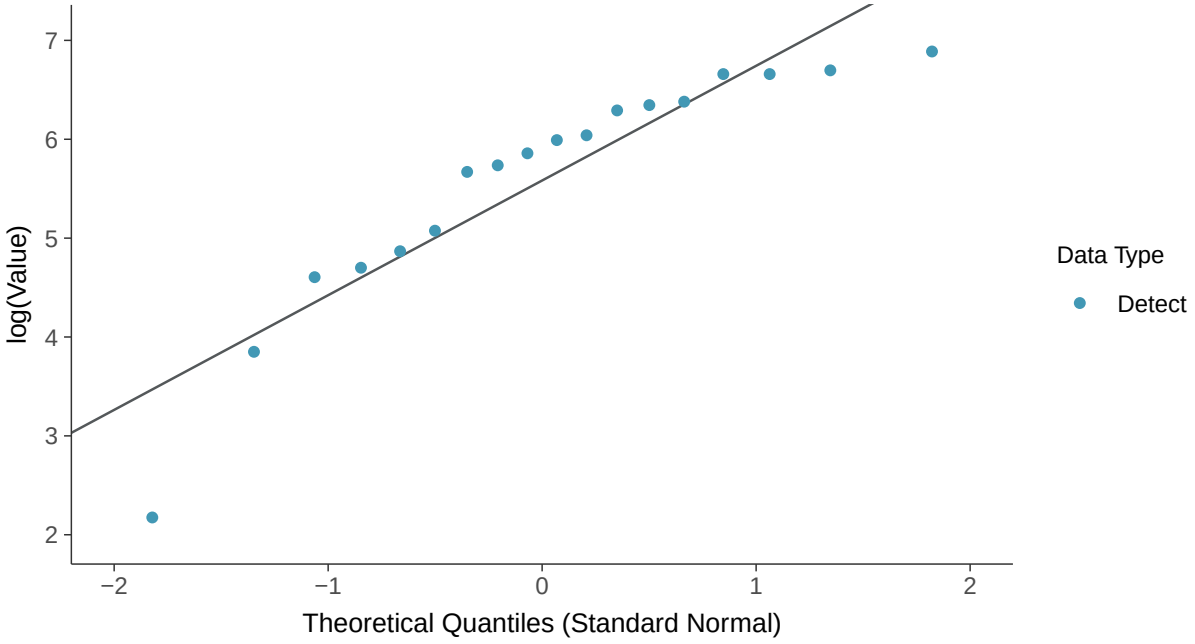
Normal Q-Q plot

Sulfate (as SO4), MW-01R (mg/L)



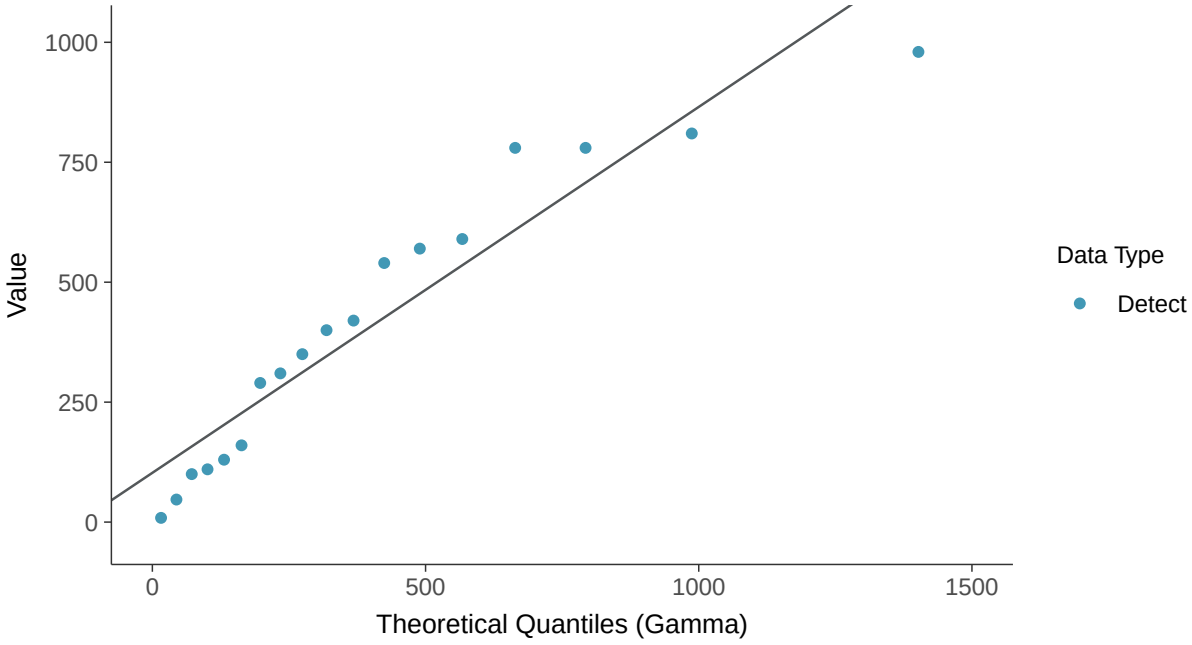
Lognormal Q-Q plot

Sulfate (as SO4), MW-01R (mg/L)



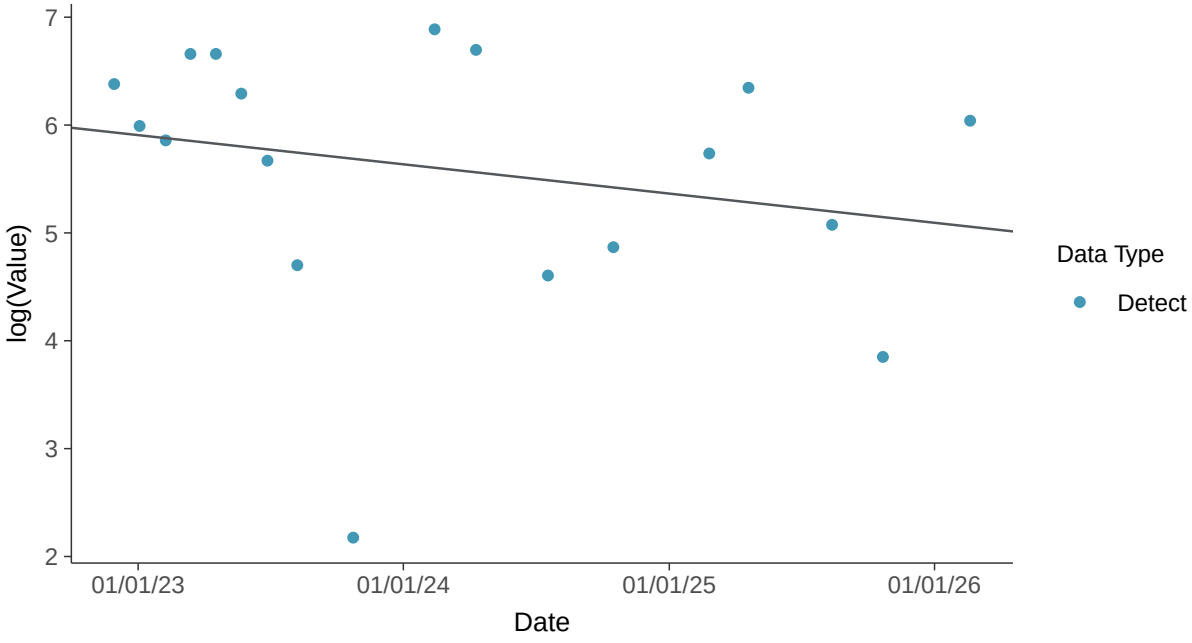
Gamma Q-Q plot

Sulfate (as SO4), MW-01R (mg/L)



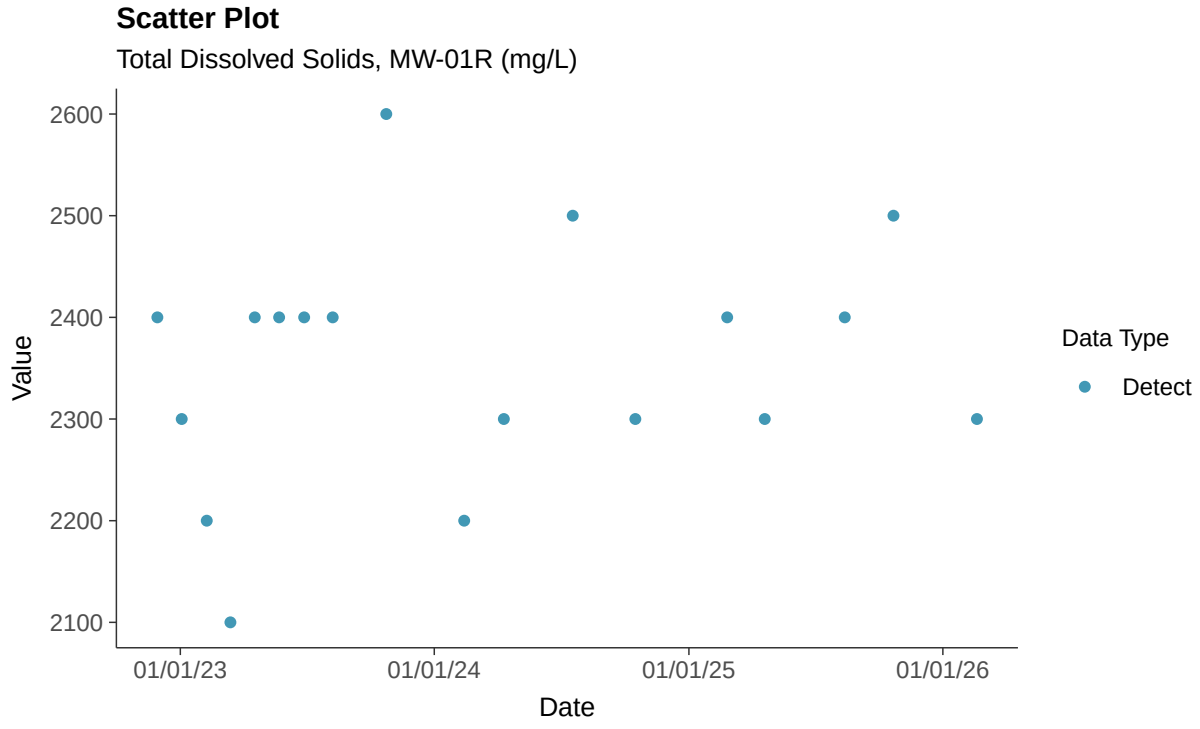
Trend Regression: Lognormal MLE

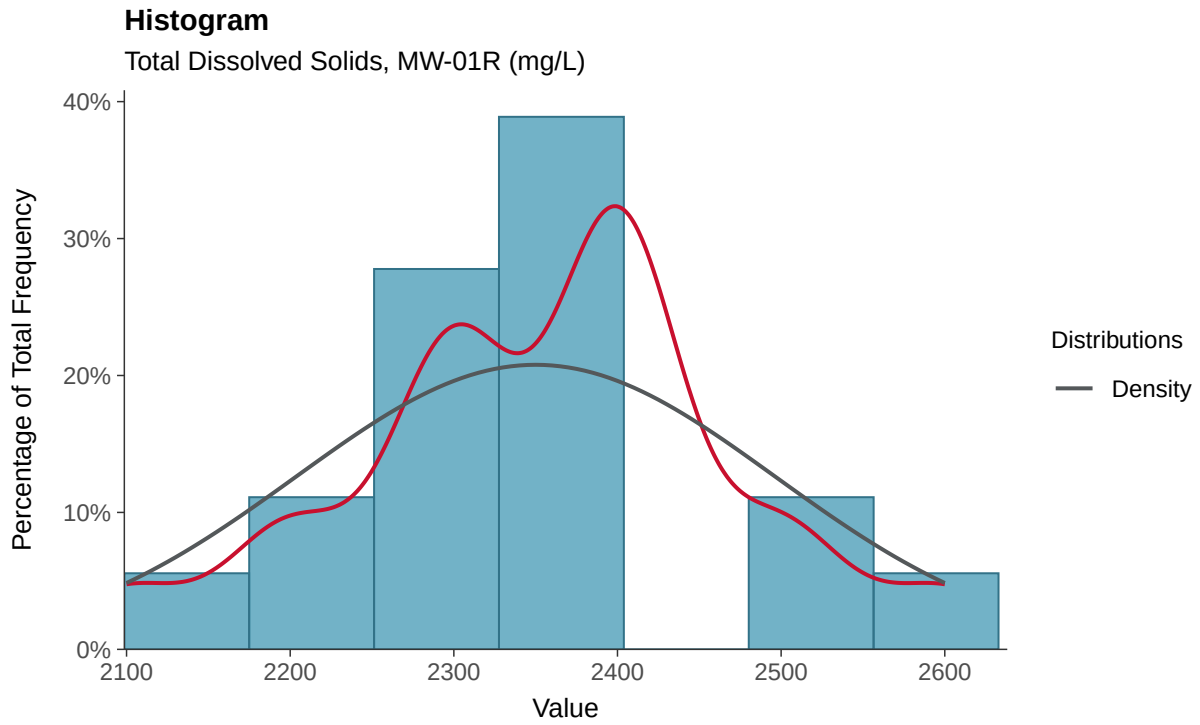
Sulfate (as SO4), MW-01R (mg/L)



Appendix III: Total Dissolved Solids, MW-01R

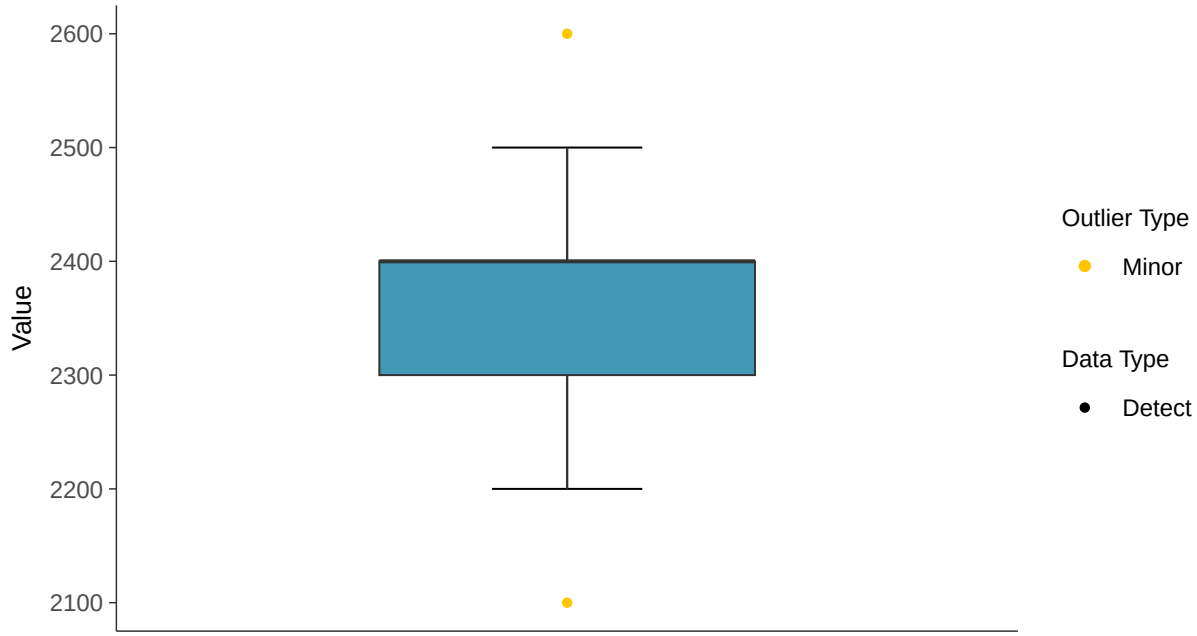
ID: 11_2_3_126





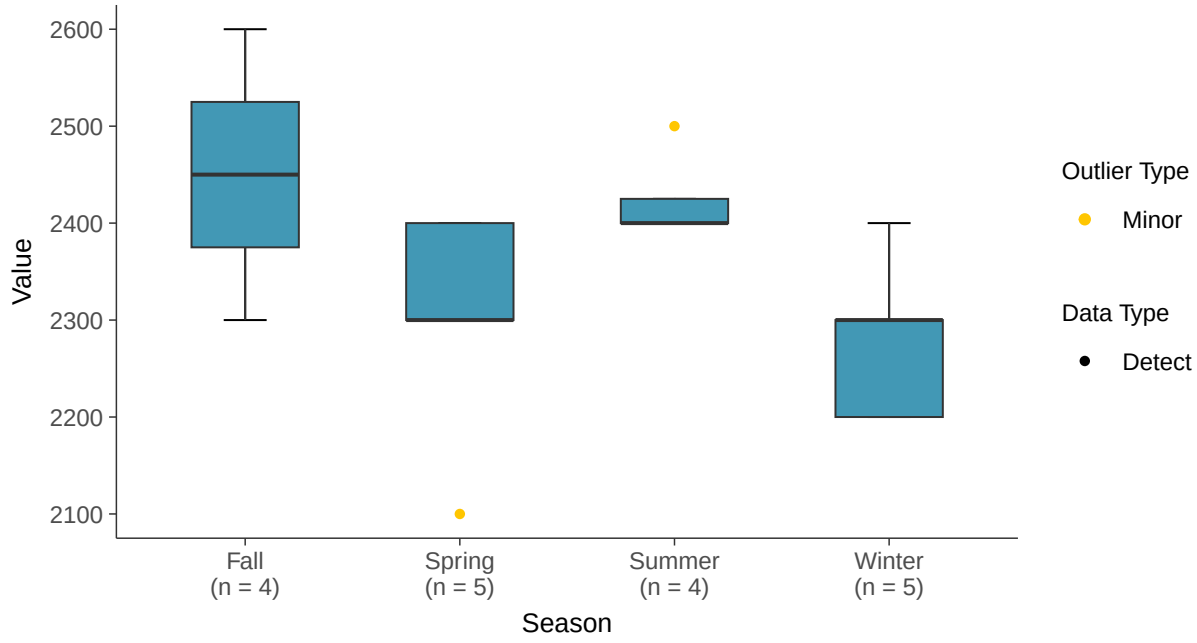
Boxplot

Total Dissolved Solids, MW-01R (mg/L)



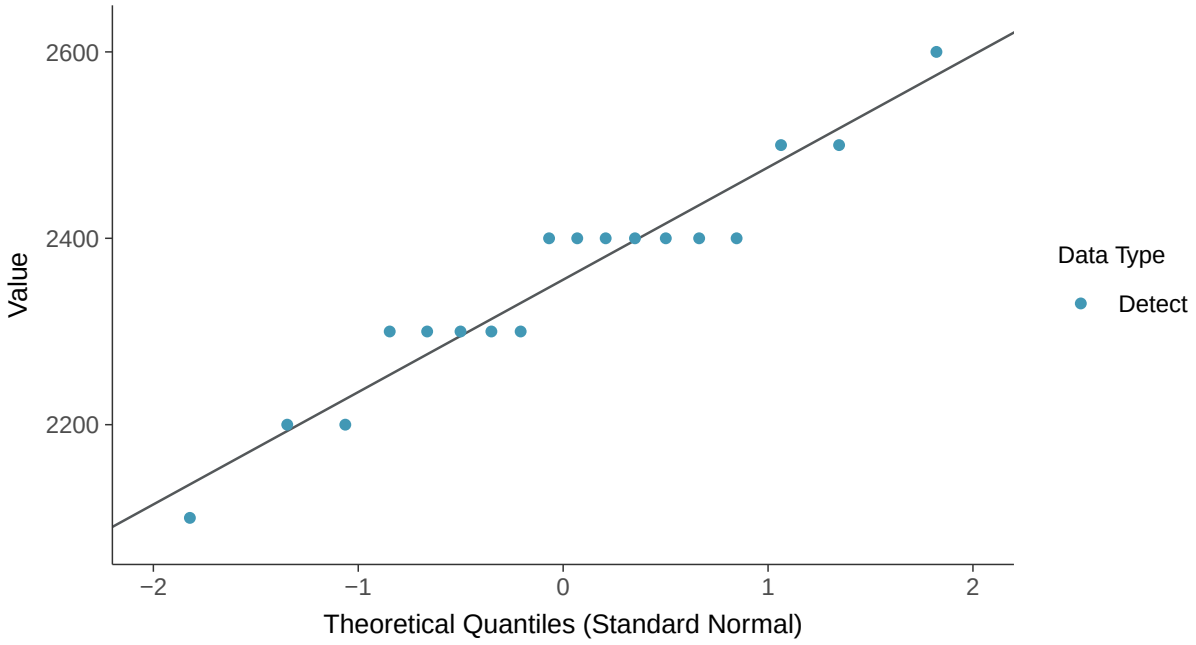
Boxplot by Season

Total Dissolved Solids, MW-01R (mg/L)



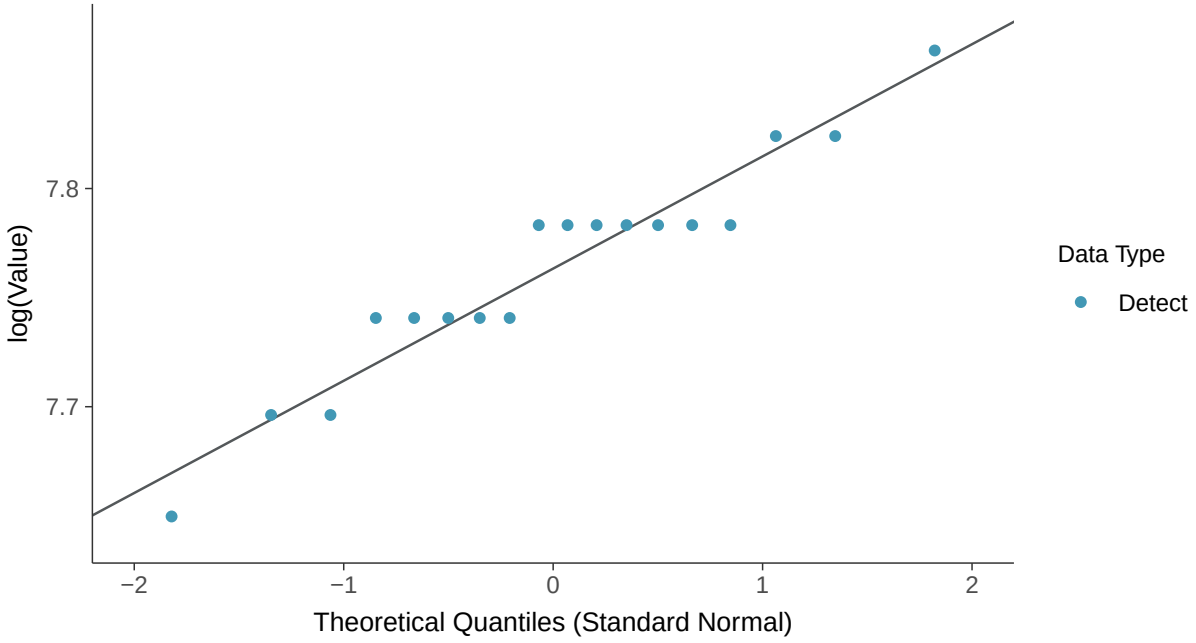
Normal Q-Q plot

Total Dissolved Solids, MW-01R (mg/L)



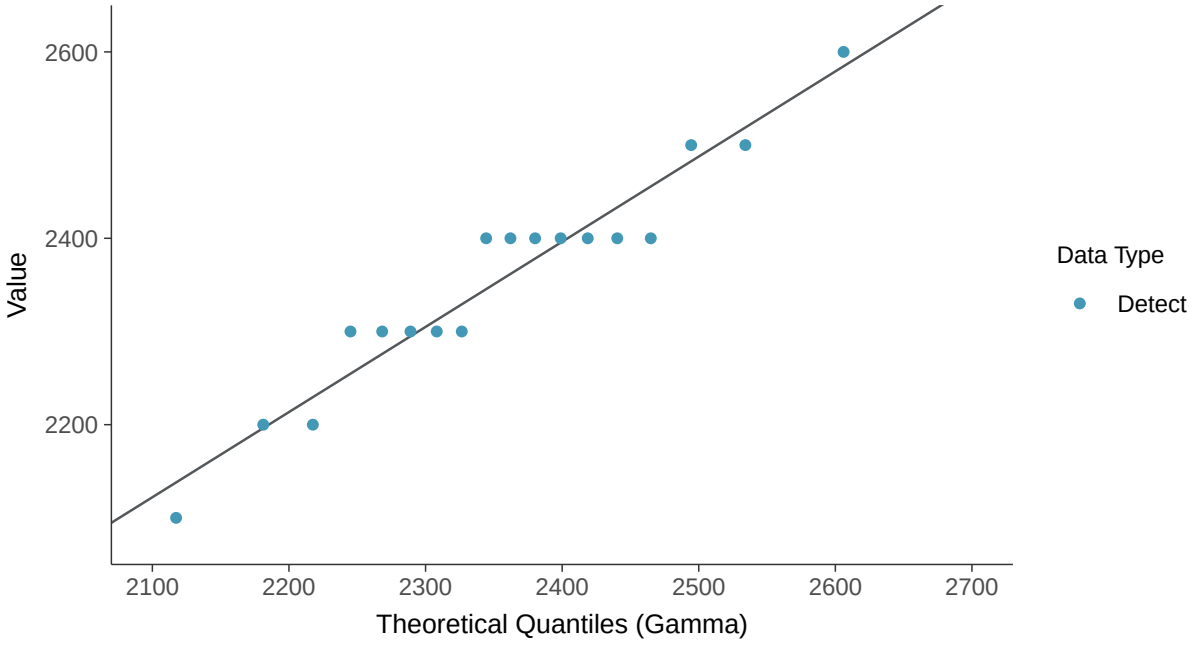
Lognormal Q-Q plot

Total Dissolved Solids, MW-01R (mg/L)



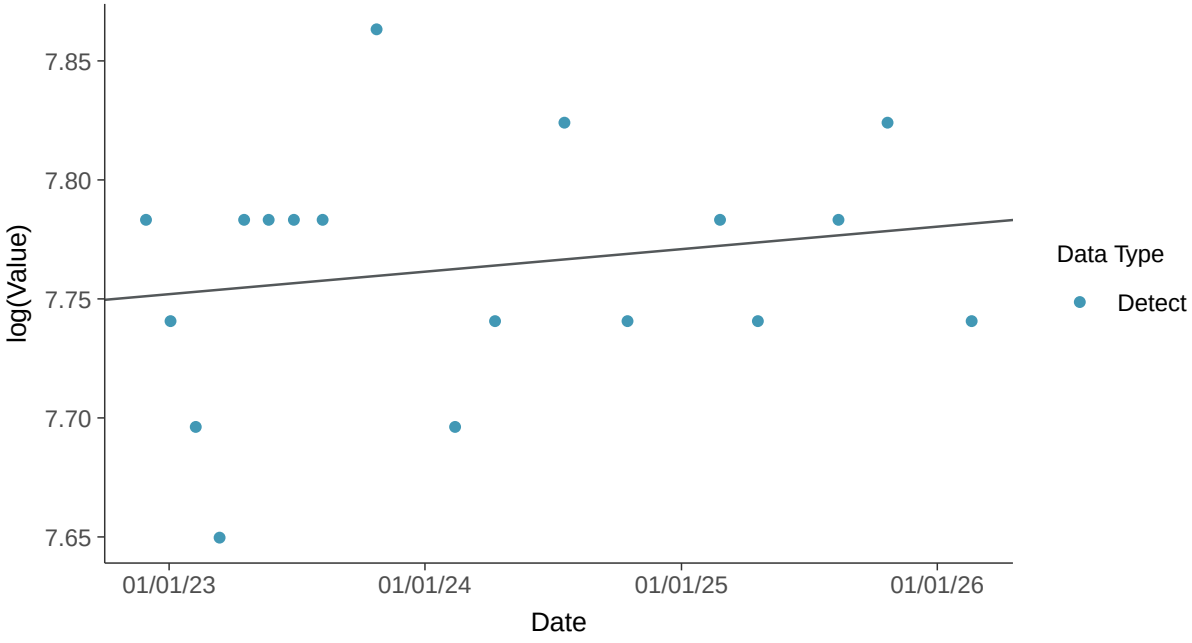
Gamma Q-Q plot

Total Dissolved Solids, MW-01R (mg/L)



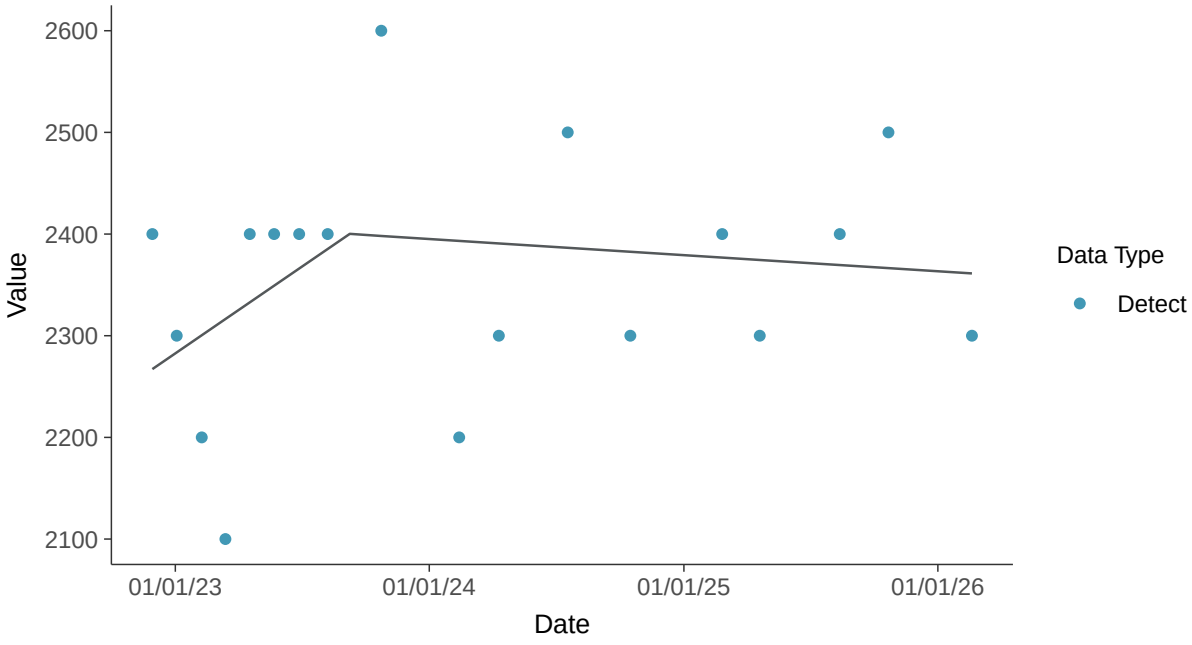
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-01R (mg/L)



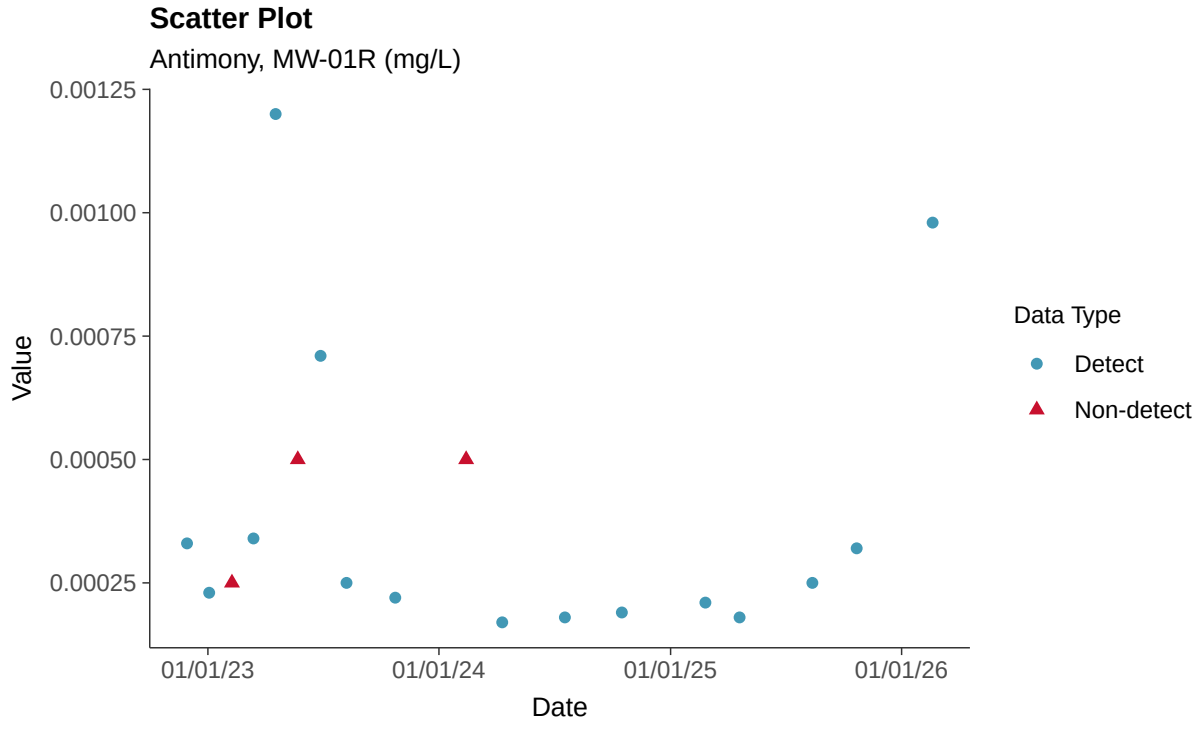
Trend Regression: Piecewise Linear-Linear

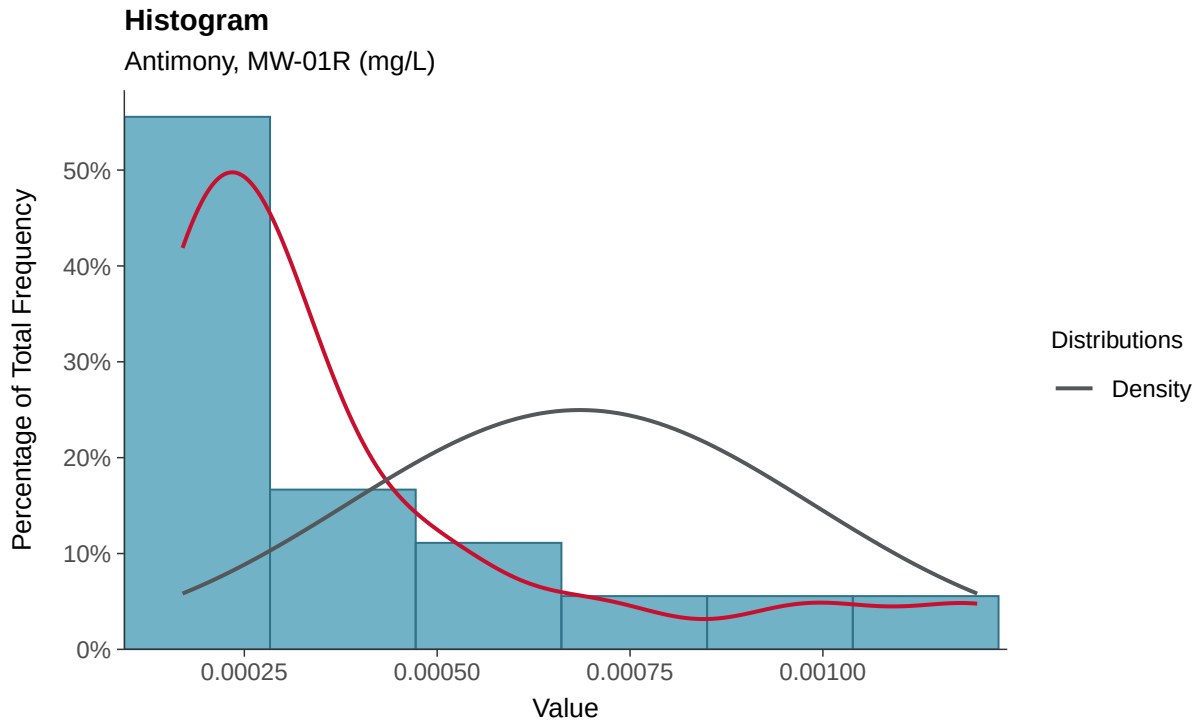
Total Dissolved Solids, MW-01R (mg/L)



Appendix IV: Antimony, MW-01R

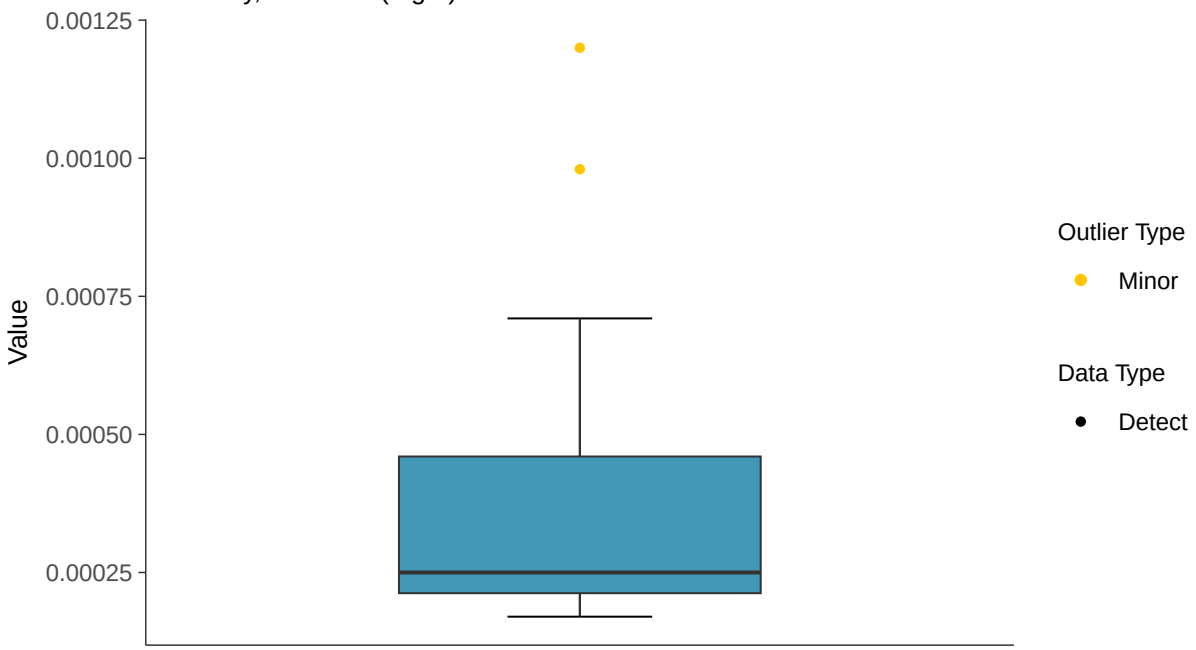
ID: 11_2_4_101





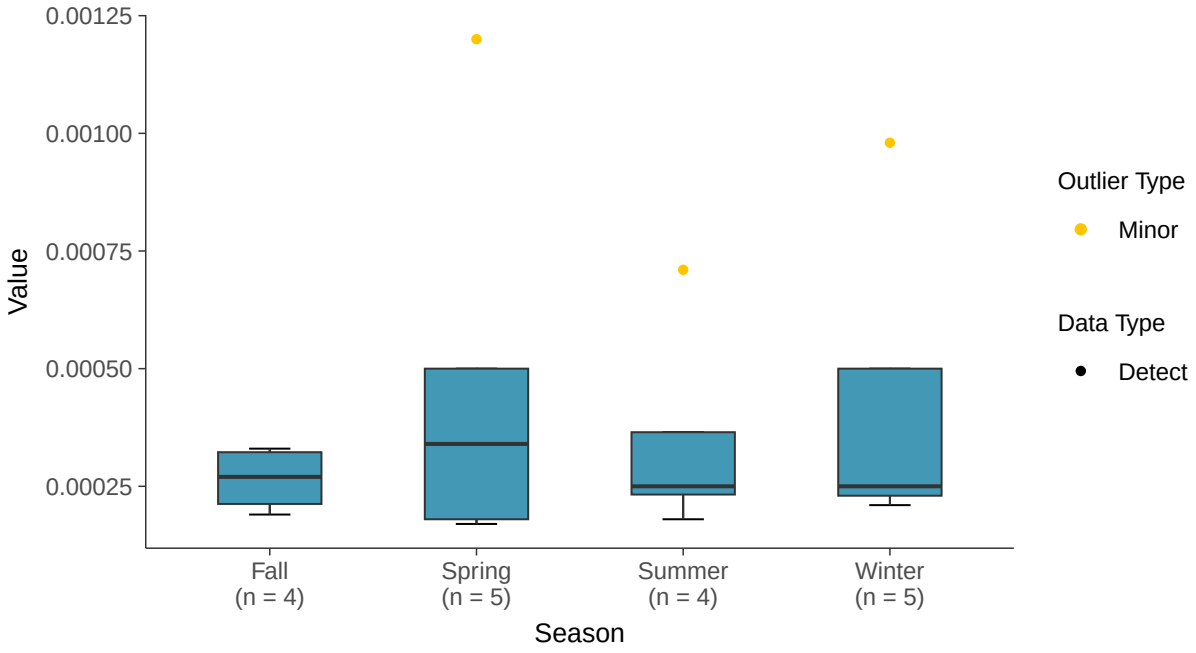
Boxplot

Antimony, MW-01R (mg/L)



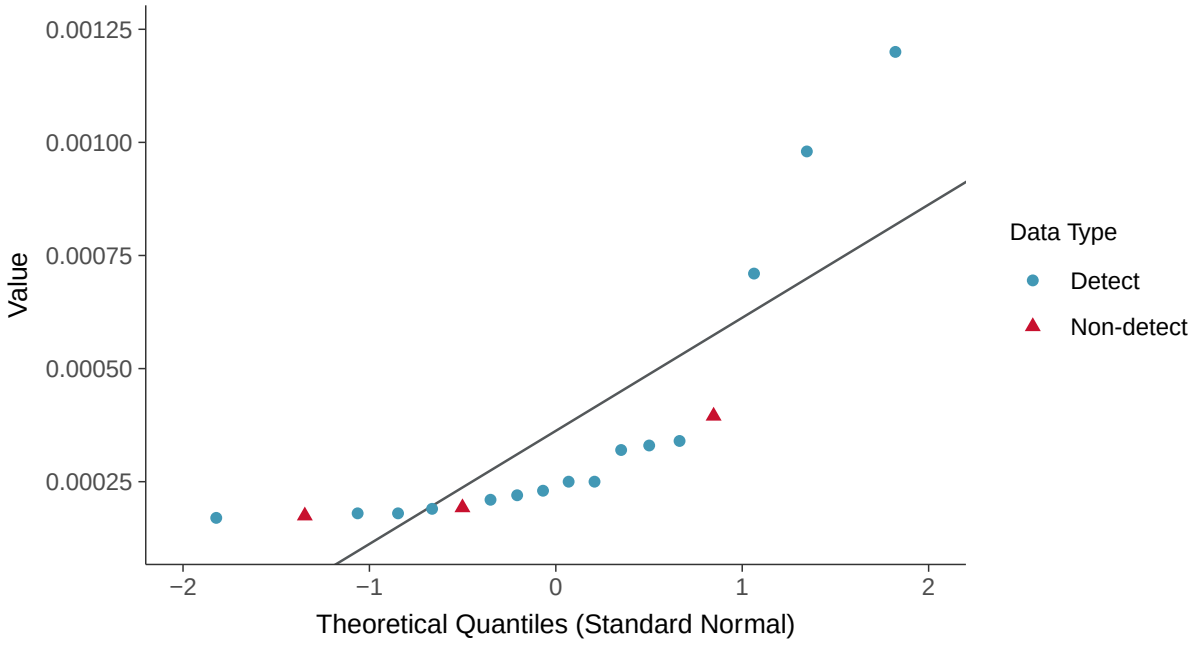
Boxplot by Season

Antimony, MW-01R (mg/L)



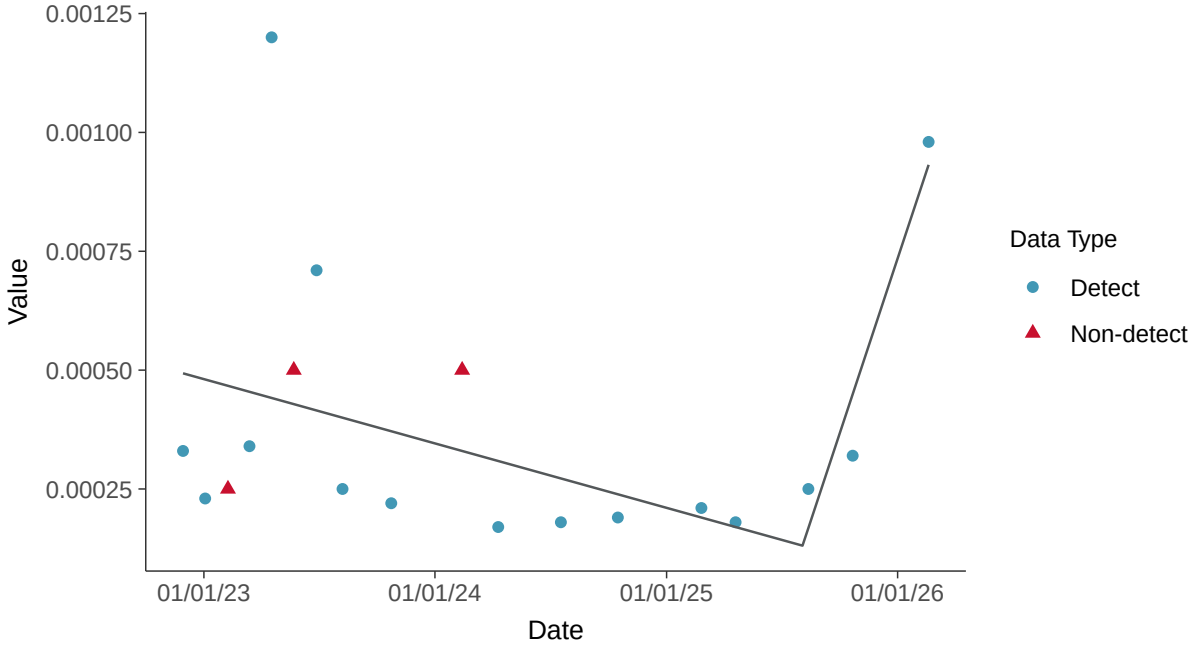
Normal Q-Q plot using ROS Imputed Estimates

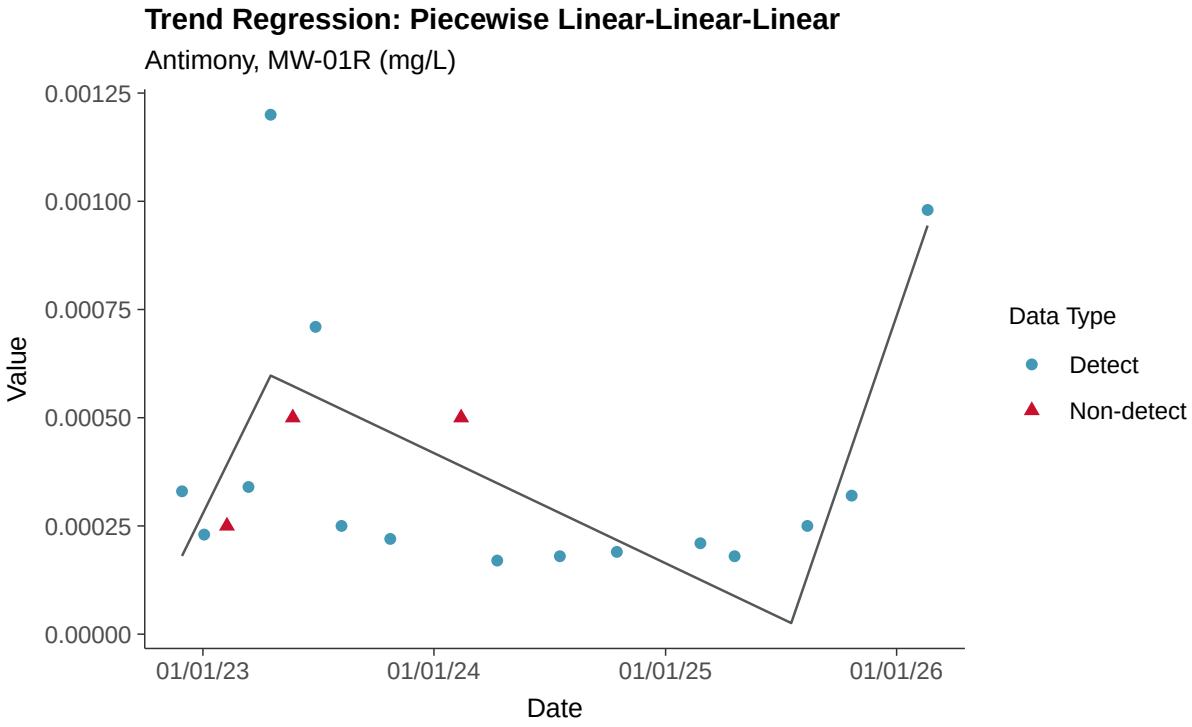
Antimony, MW-01R (mg/L)



Trend Regression: Piecewise Linear-Linear

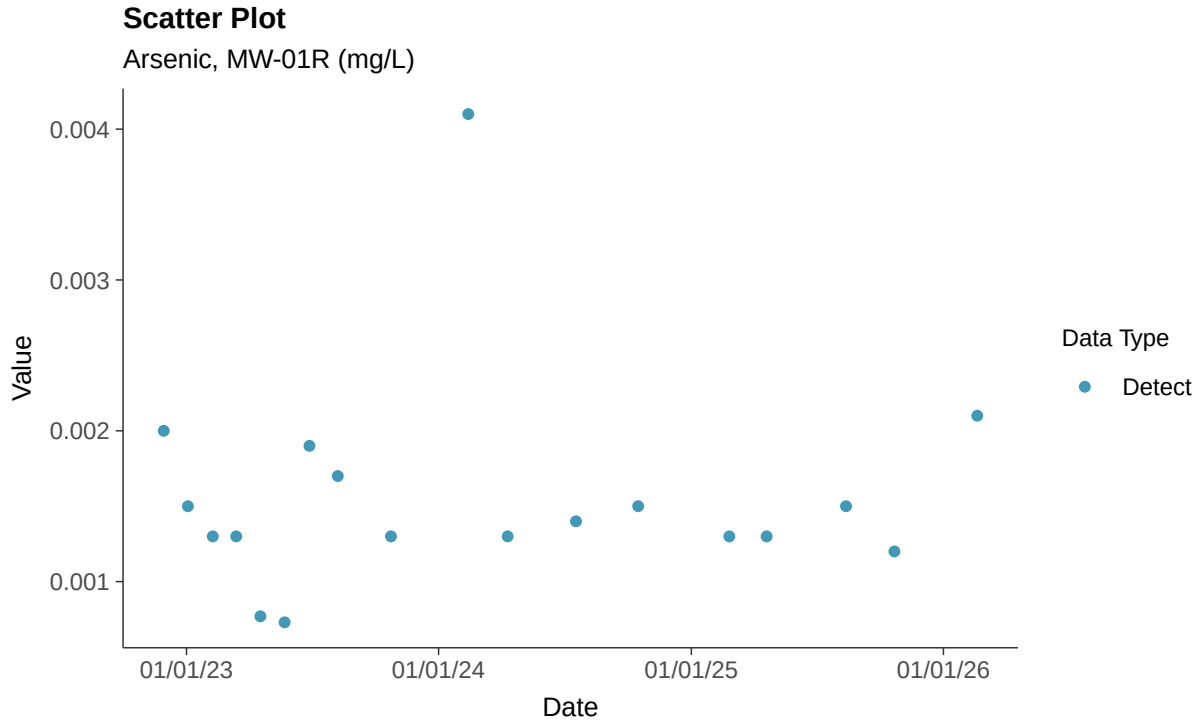
Antimony, MW-01R (mg/L)

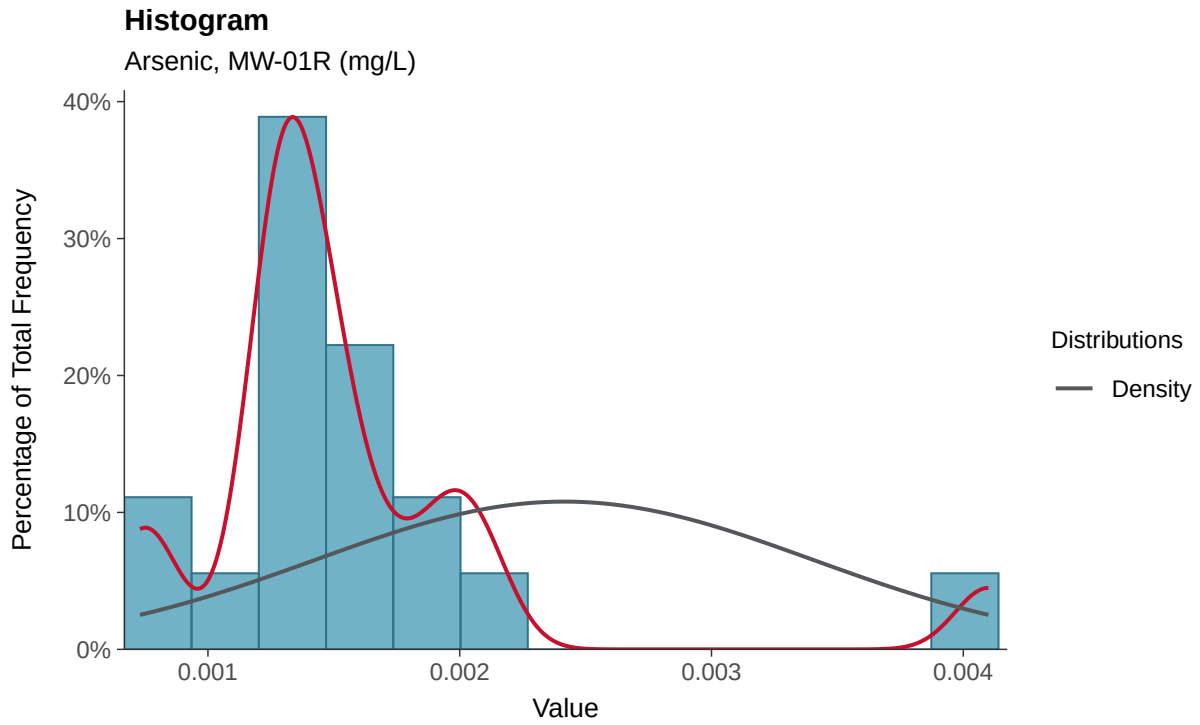



Trend Regression: Piecewise Linear-Linear-Linear
Antimony, MW-01R (mg/L)
0.00125
0.00100
0.00075
0.00050
0.00025
0.00000
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Arsenic, MW-01R

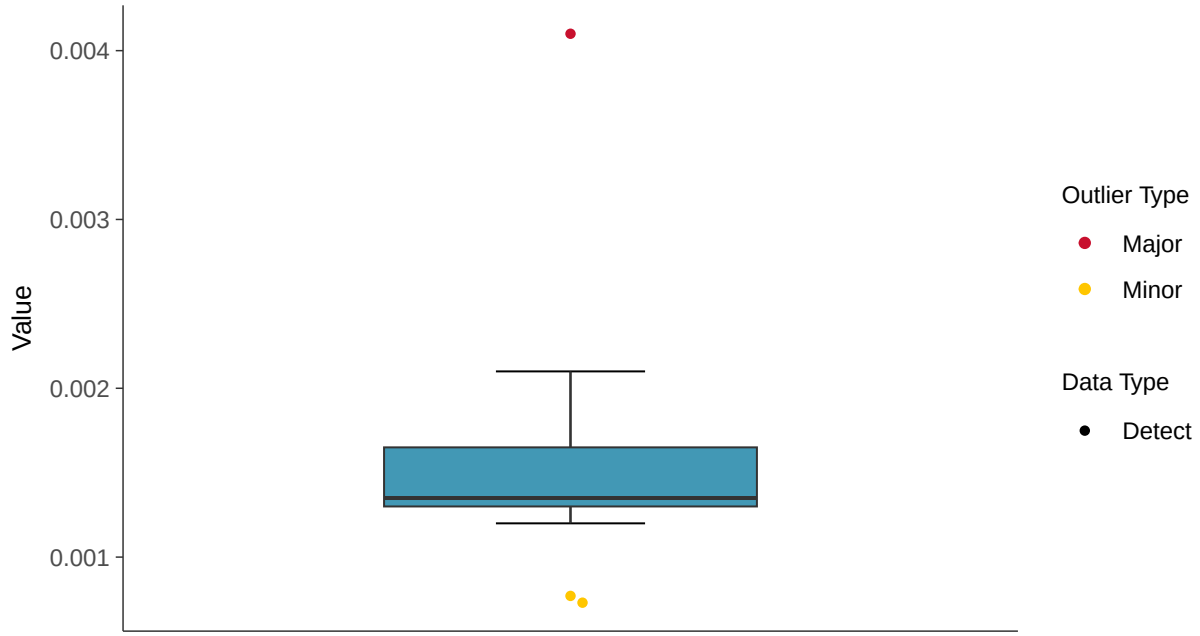
ID: 11_2_4_102





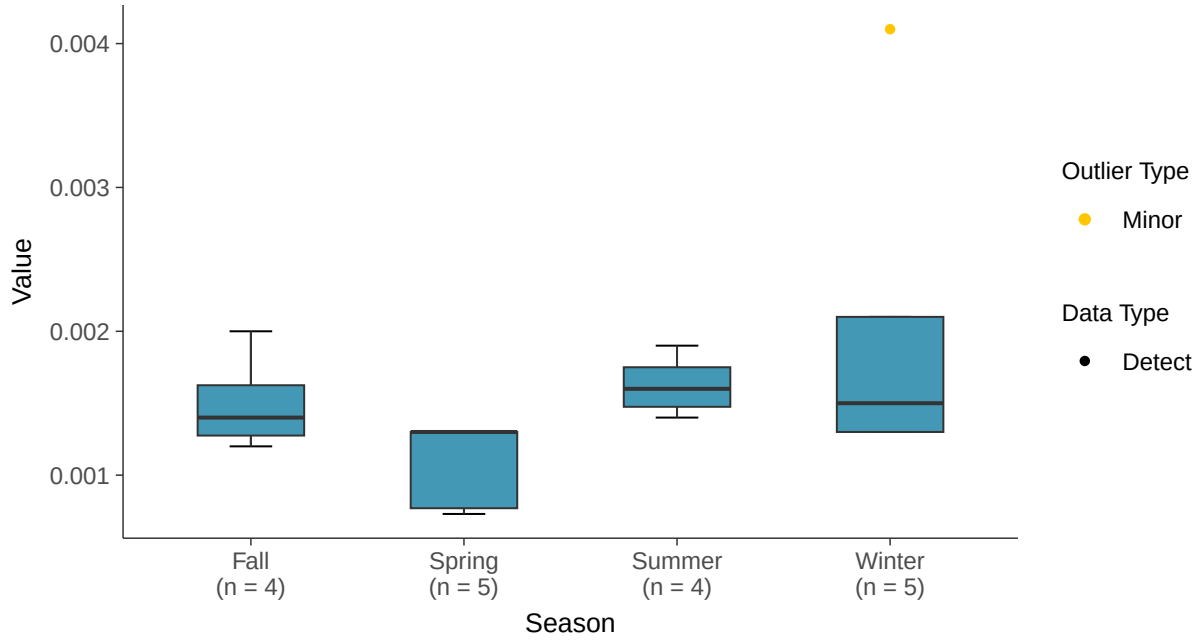
Boxplot

Arsenic, MW-01R (mg/L)



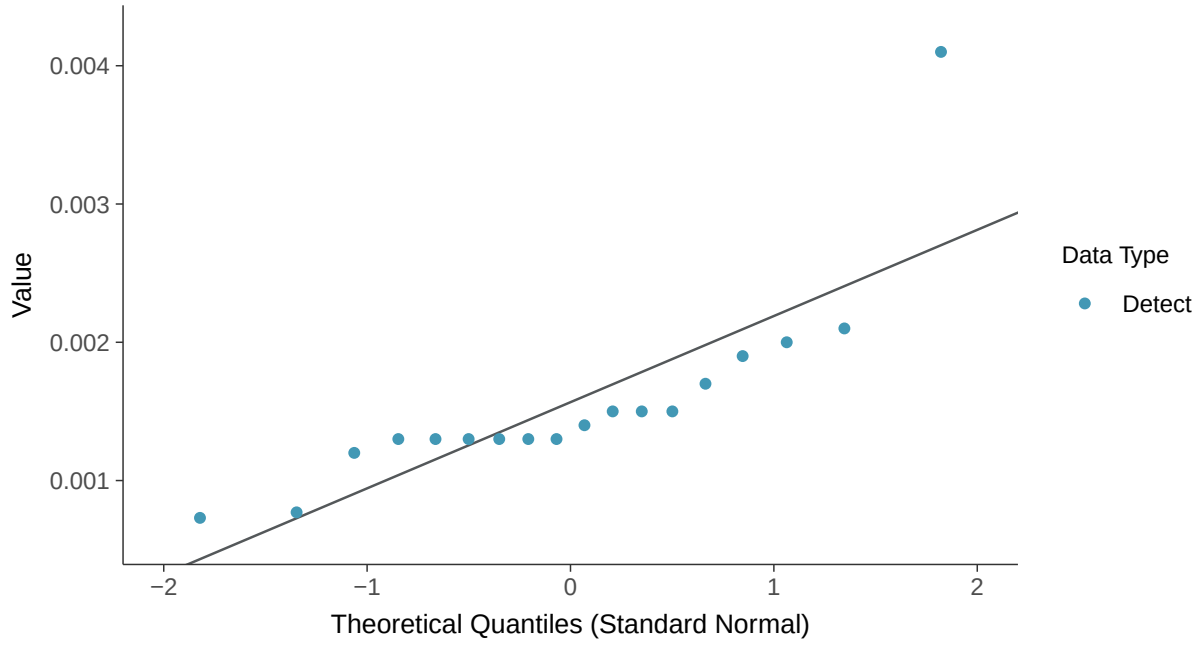
Boxplot by Season

Arsenic, MW-01R (mg/L)



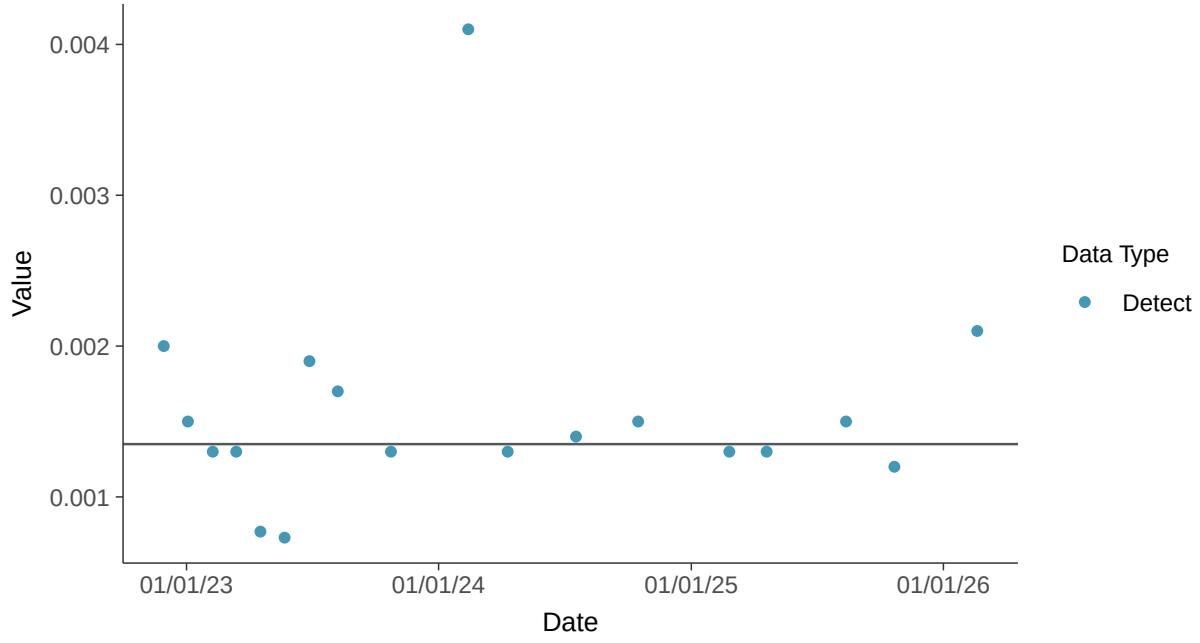
Normal Q-Q plot

Arsenic, MW-01R (mg/L)



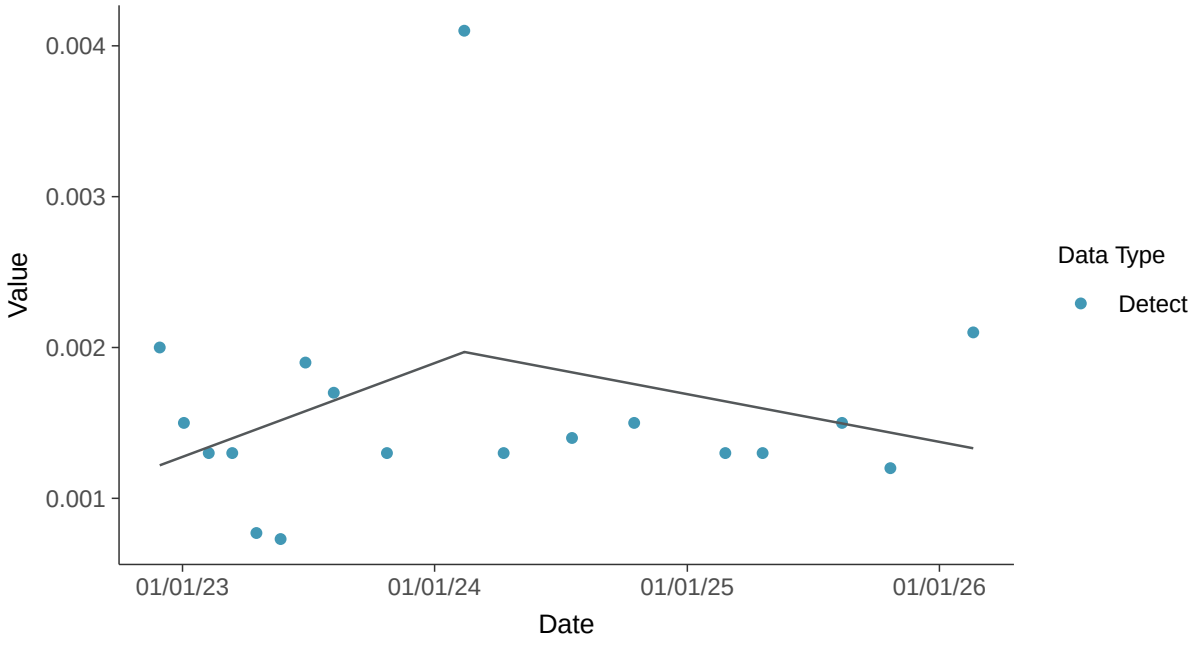
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Arsenic, MW-01R (mg/L)



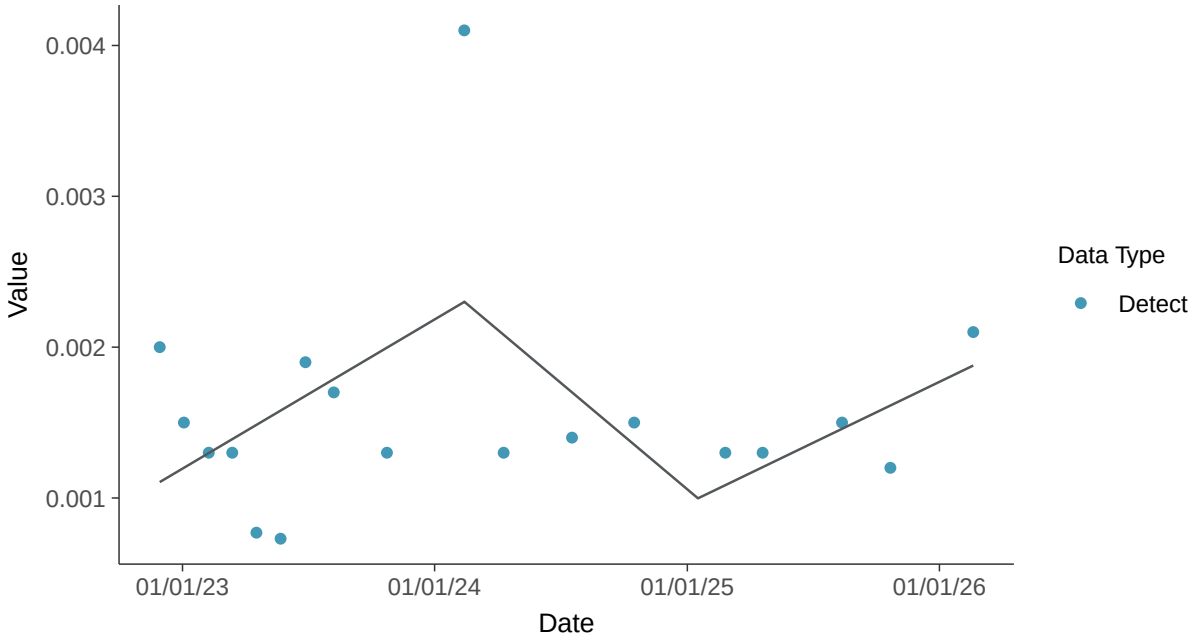
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-01R (mg/L)



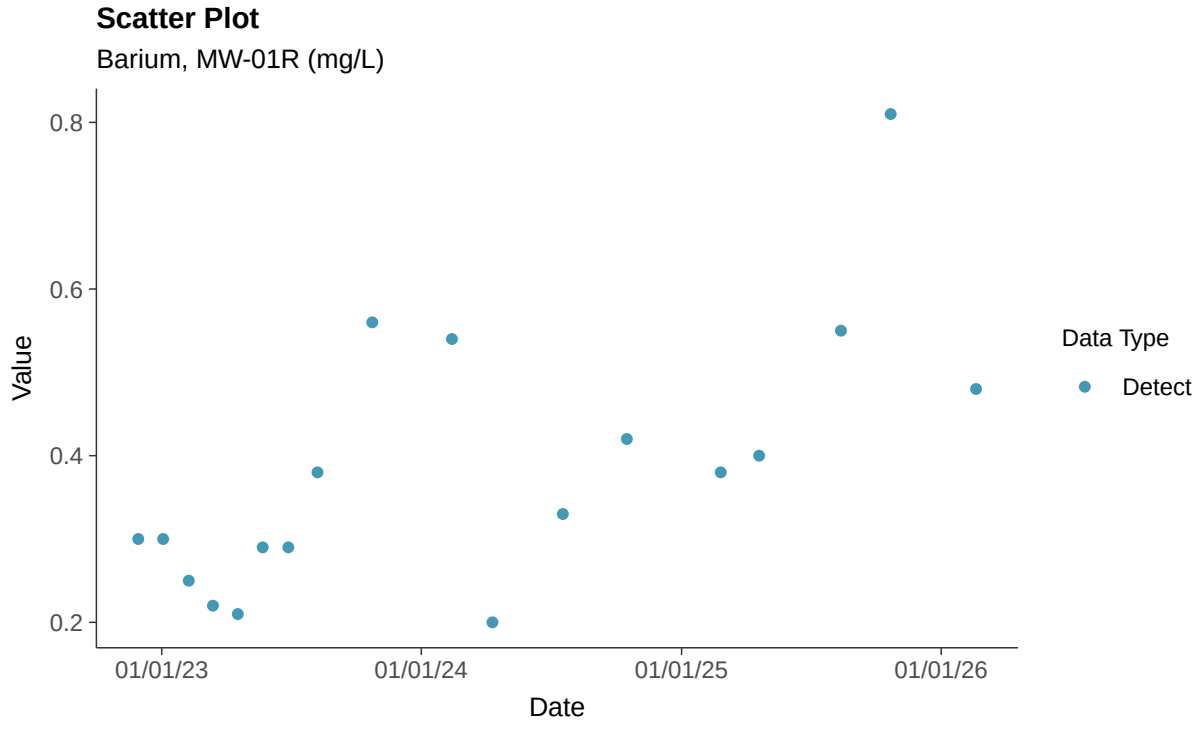
Trend Regression: Piecewise Linear-Linear-Linear

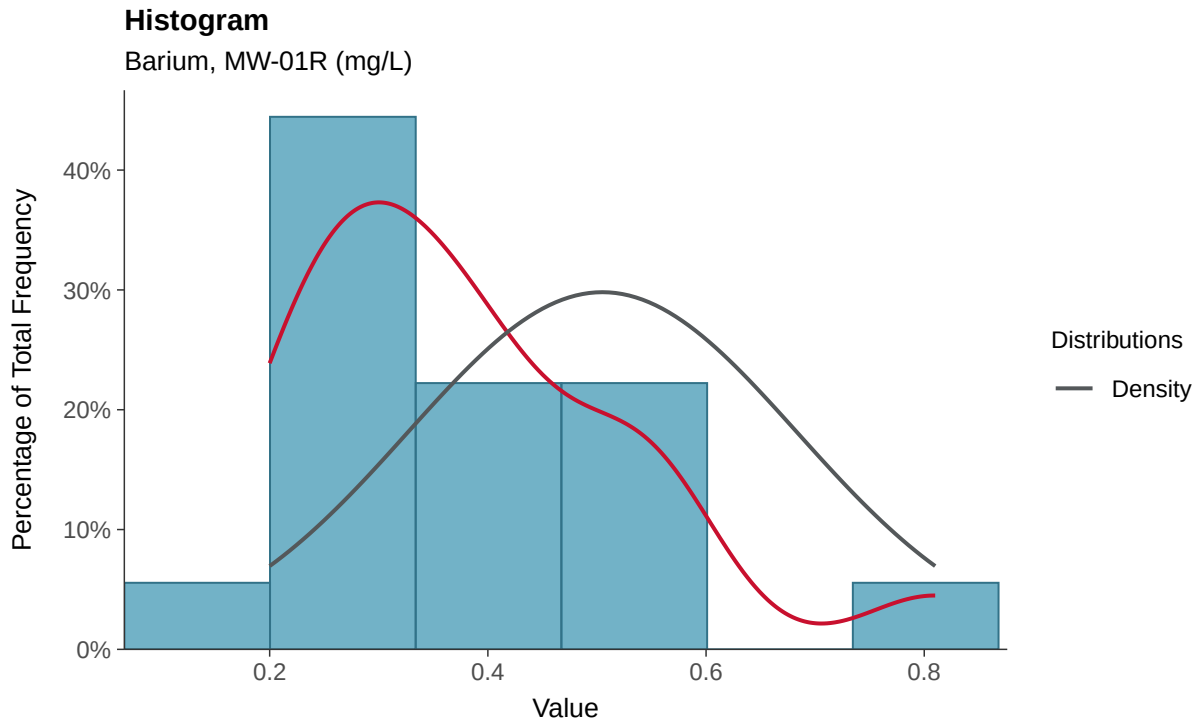
Arsenic, MW-01R (mg/L)



Appendix IV: Barium, MW-01R

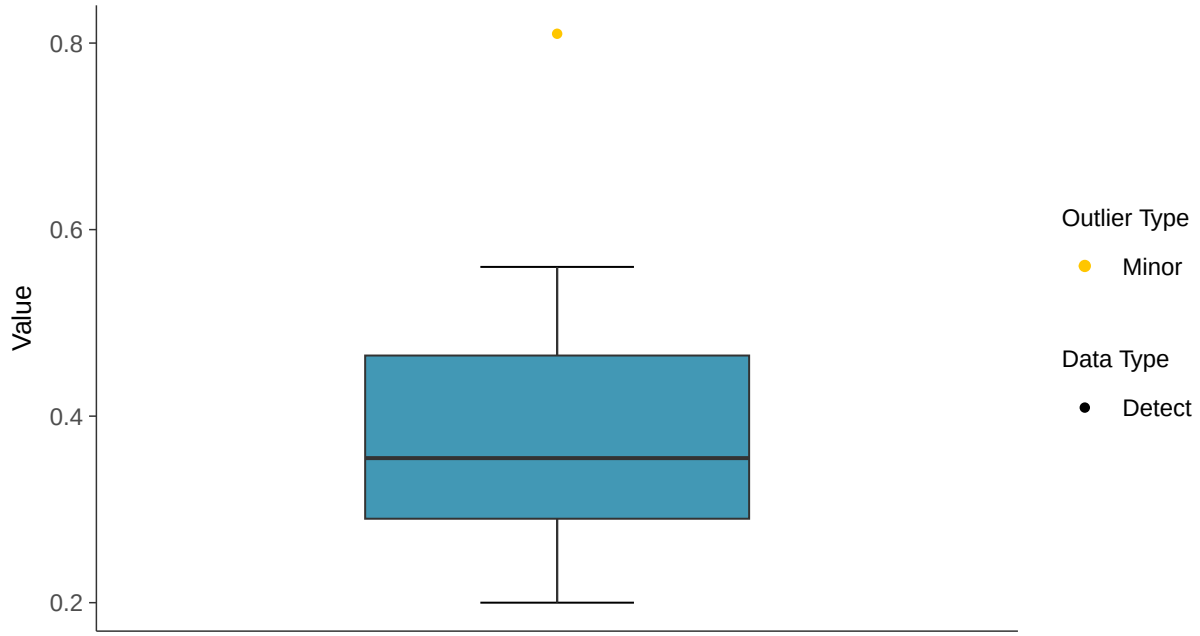
ID: 11_2_4_103





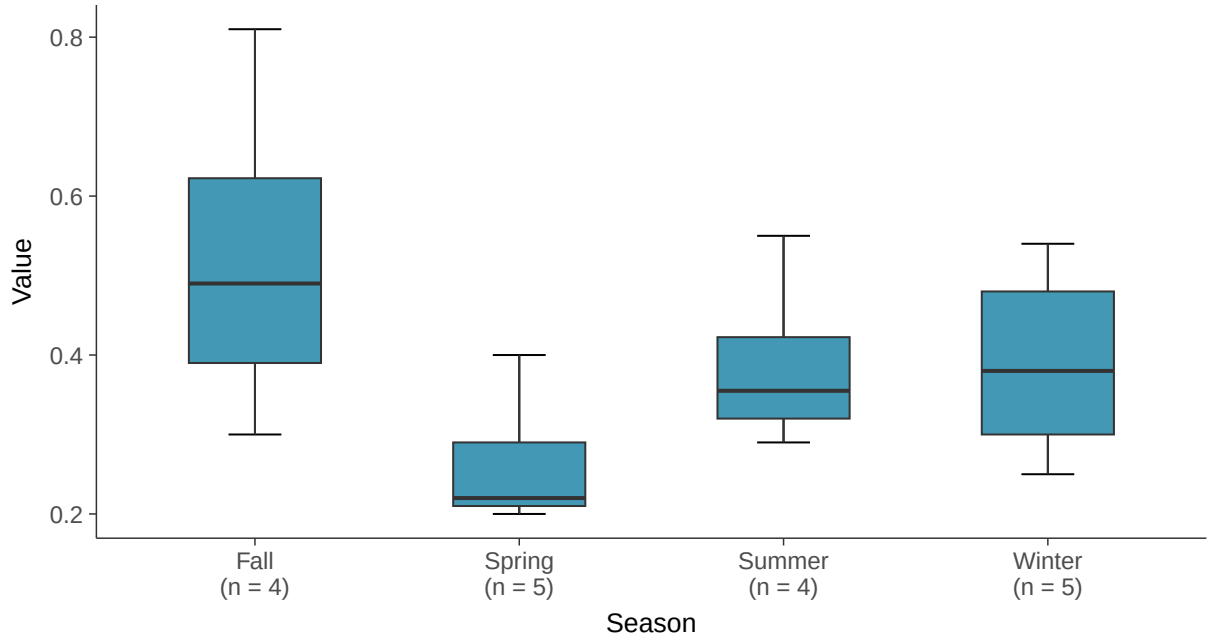
Boxplot

Barium, MW-01R (mg/L)



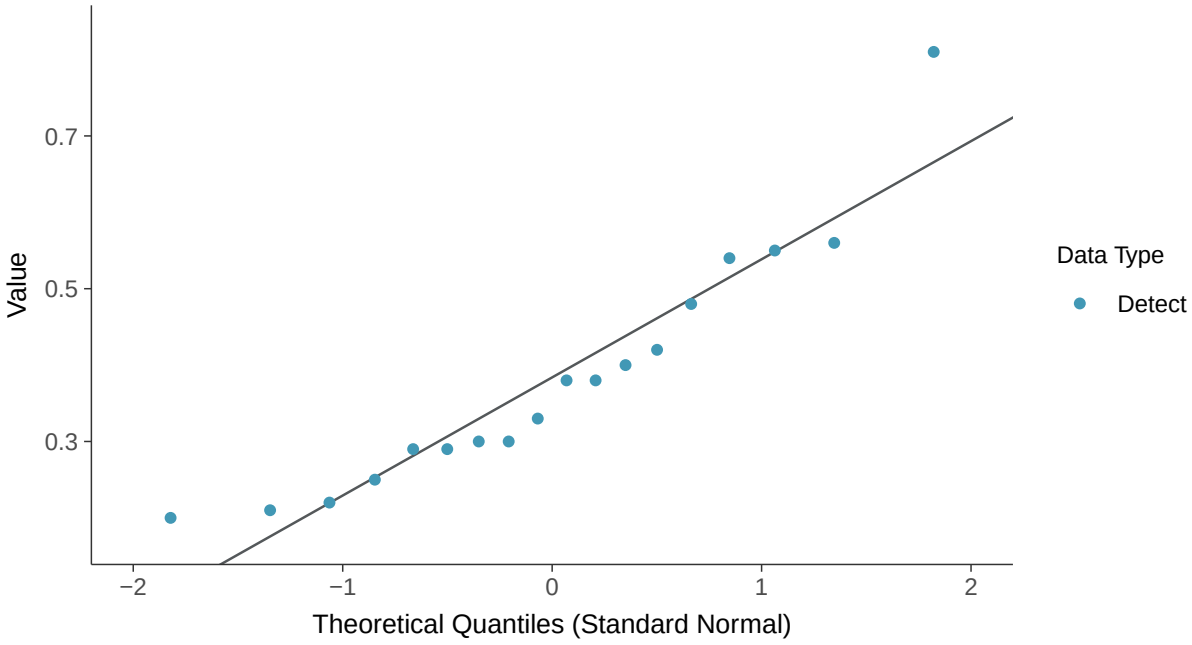
Boxplot by Season

Barium, MW-01R (mg/L)



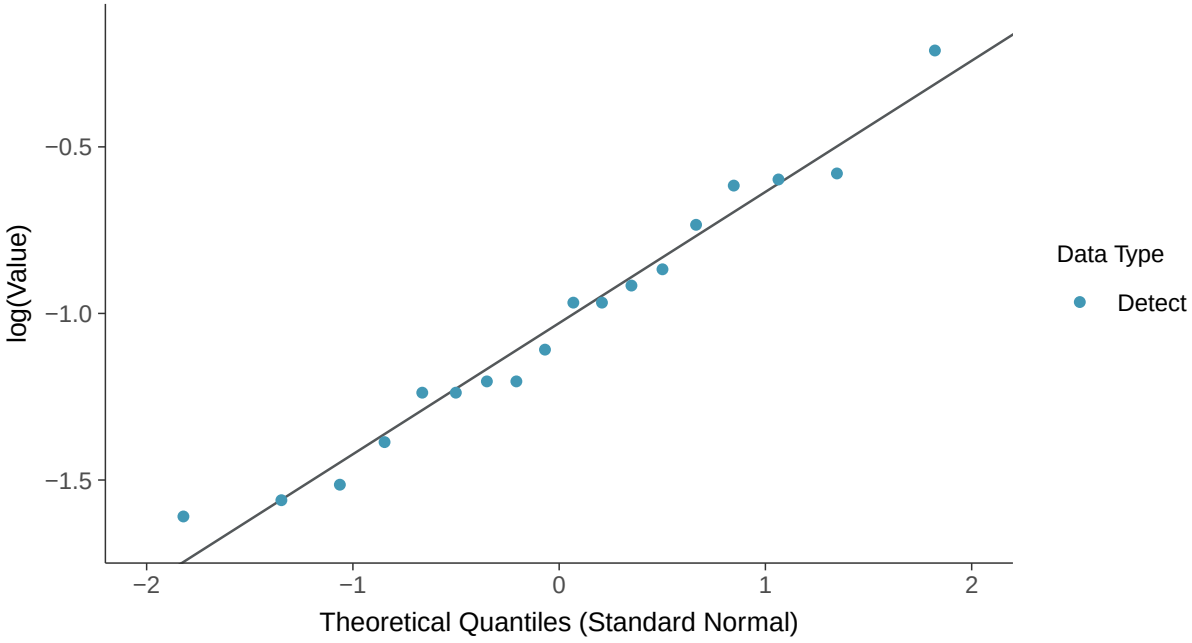
Normal Q-Q plot

Barium, MW-01R (mg/L)



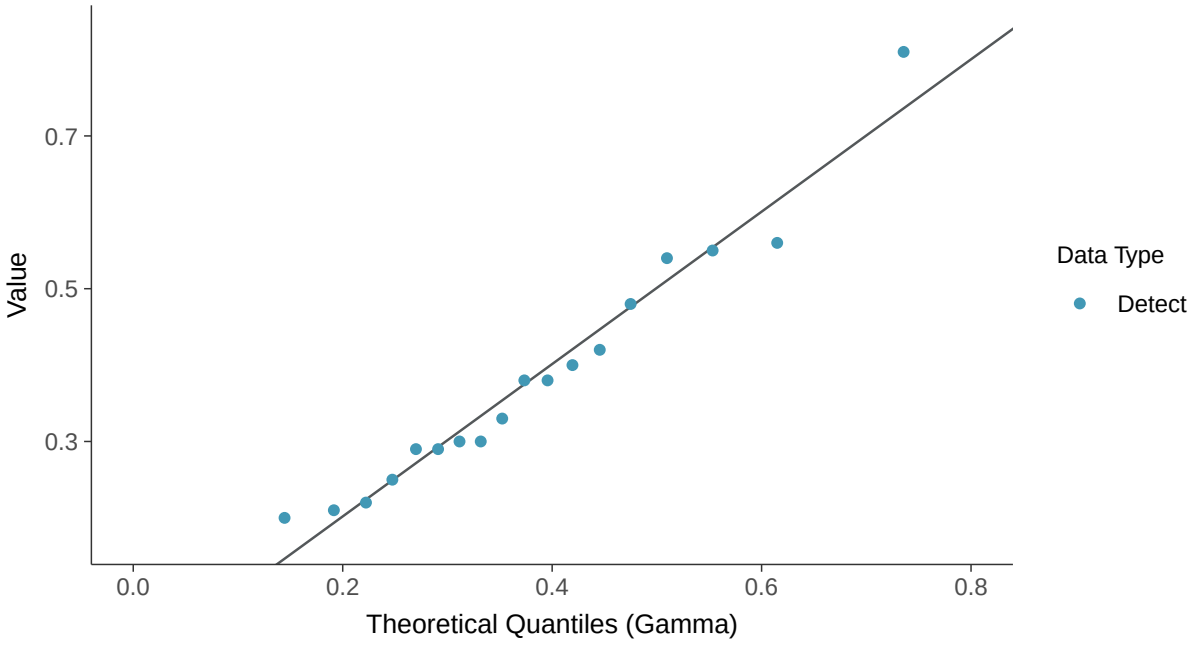
Lognormal Q-Q plot

Barium, MW-01R (mg/L)



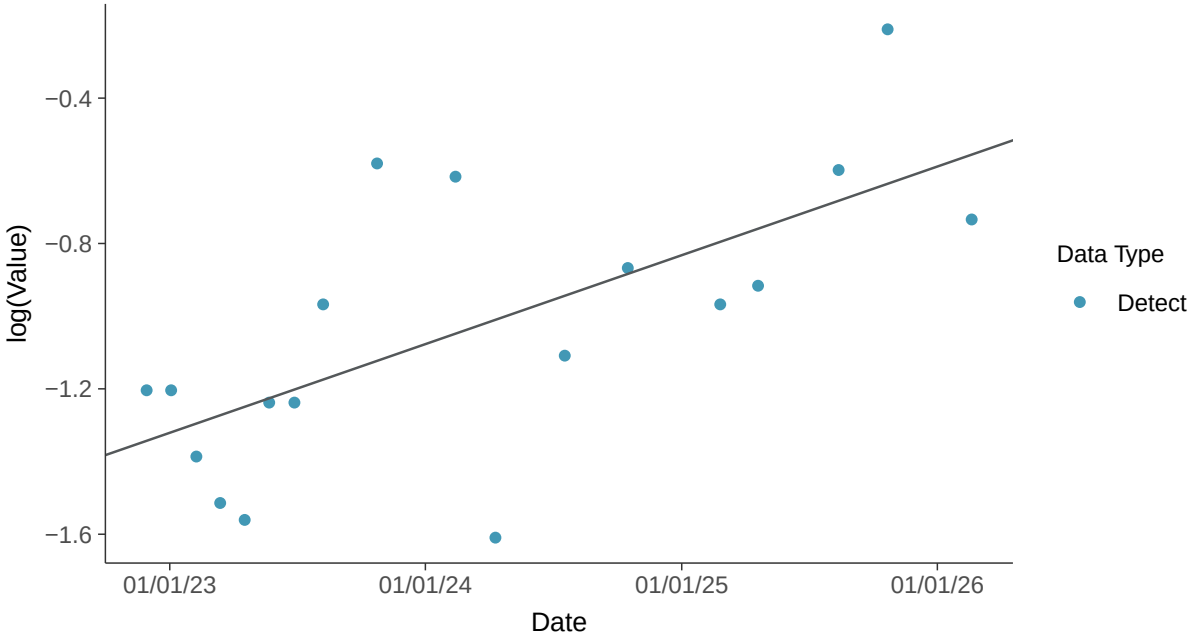
Gamma Q-Q plot

Barium, MW-01R (mg/L)



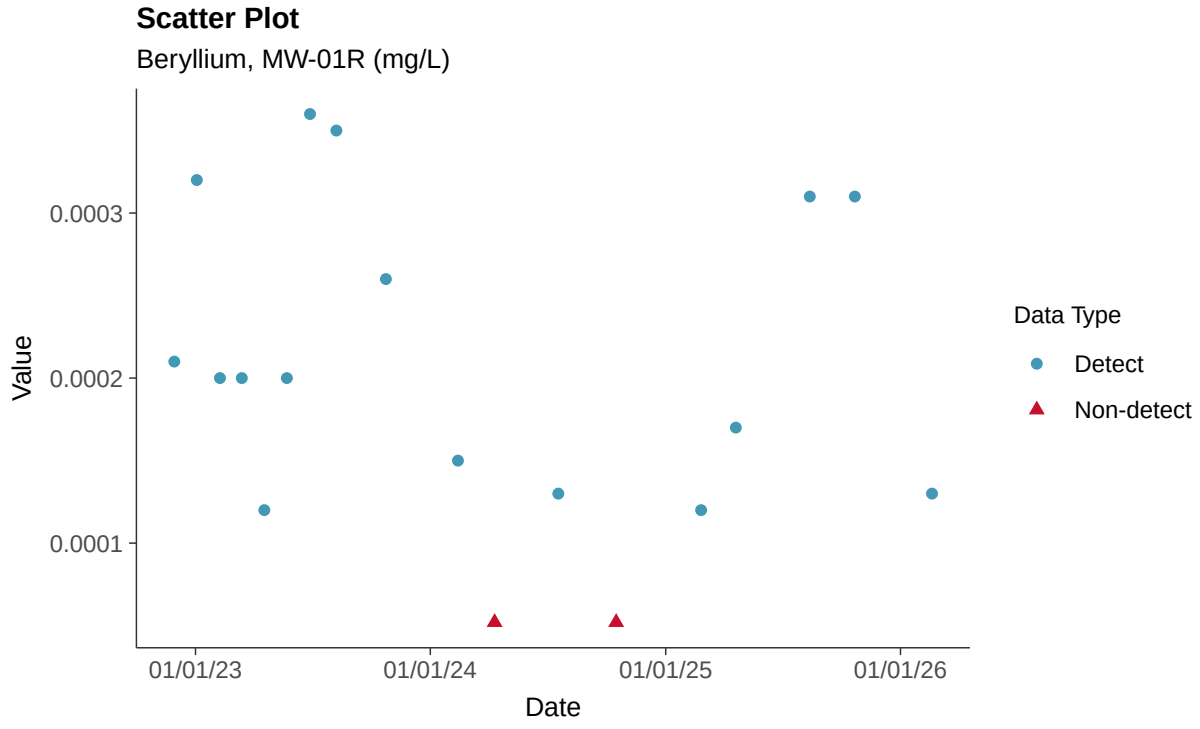
Trend Regression: Lognormal MLE

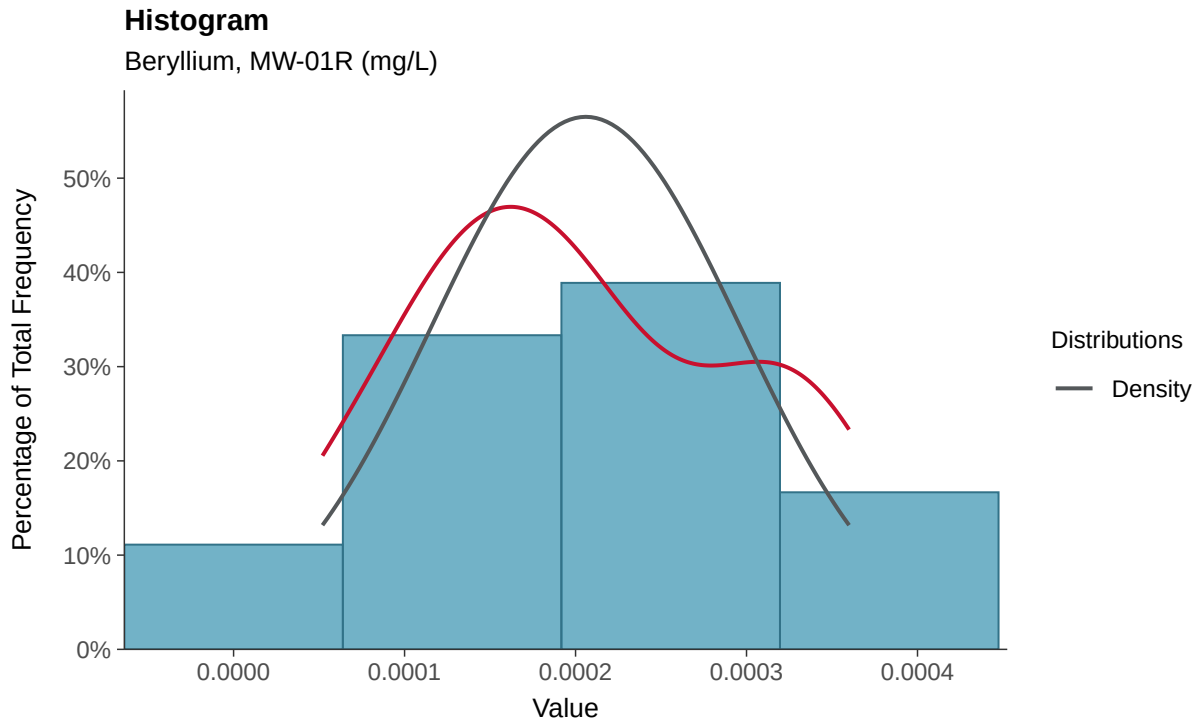
Barium, MW-01R (mg/L)



Appendix IV: Beryllium, MW-01R

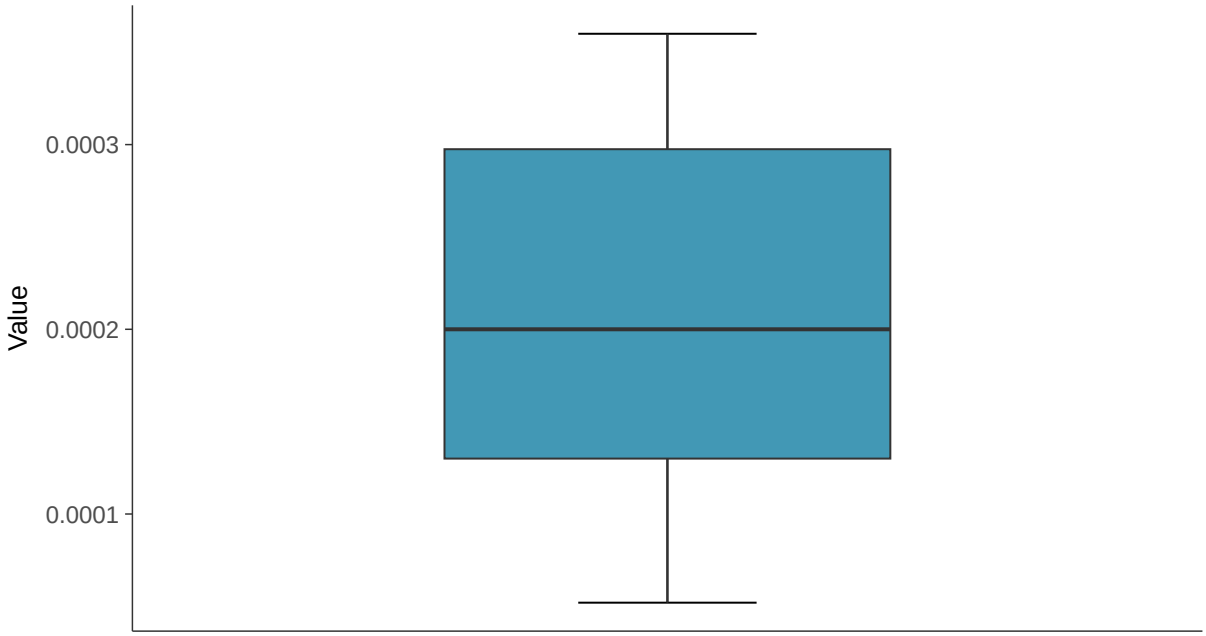
ID: 11_2_4_104





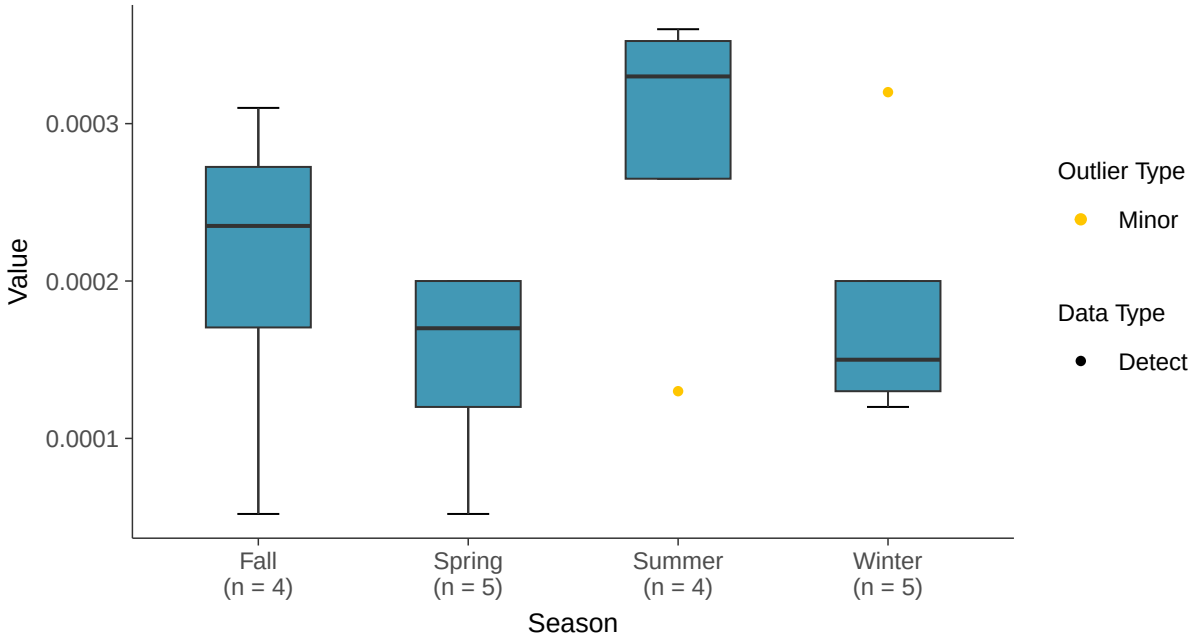
Boxplot

Beryllium, MW-01R (mg/L)



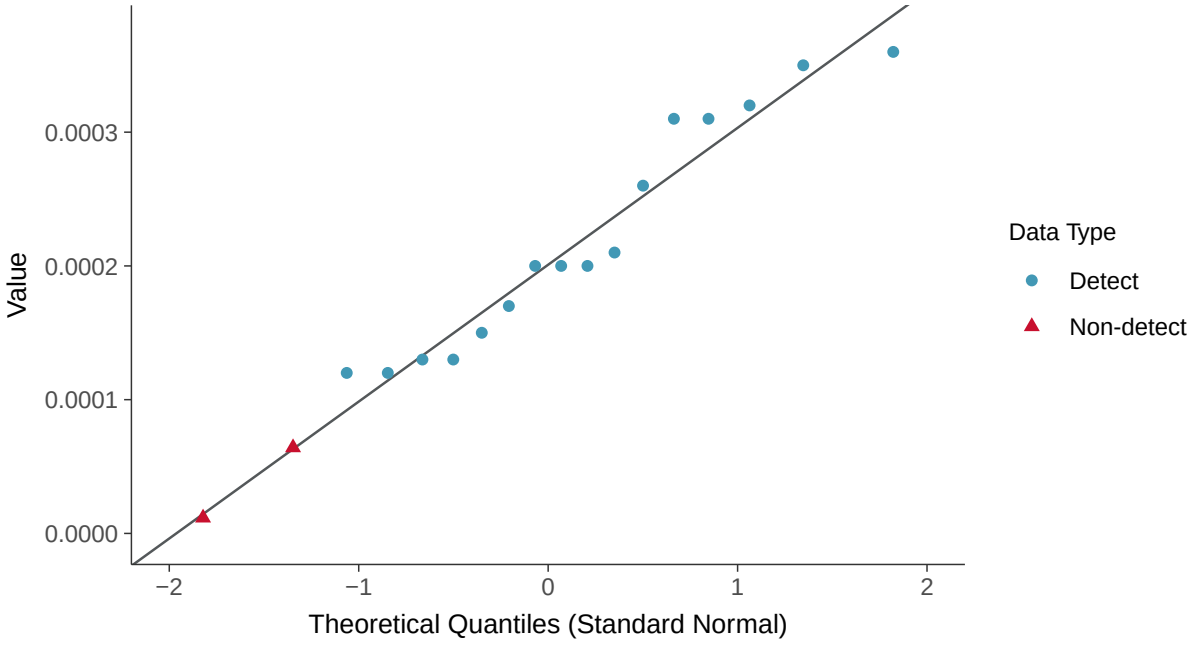
Boxplot by Season

Beryllium, MW-01R (mg/L)



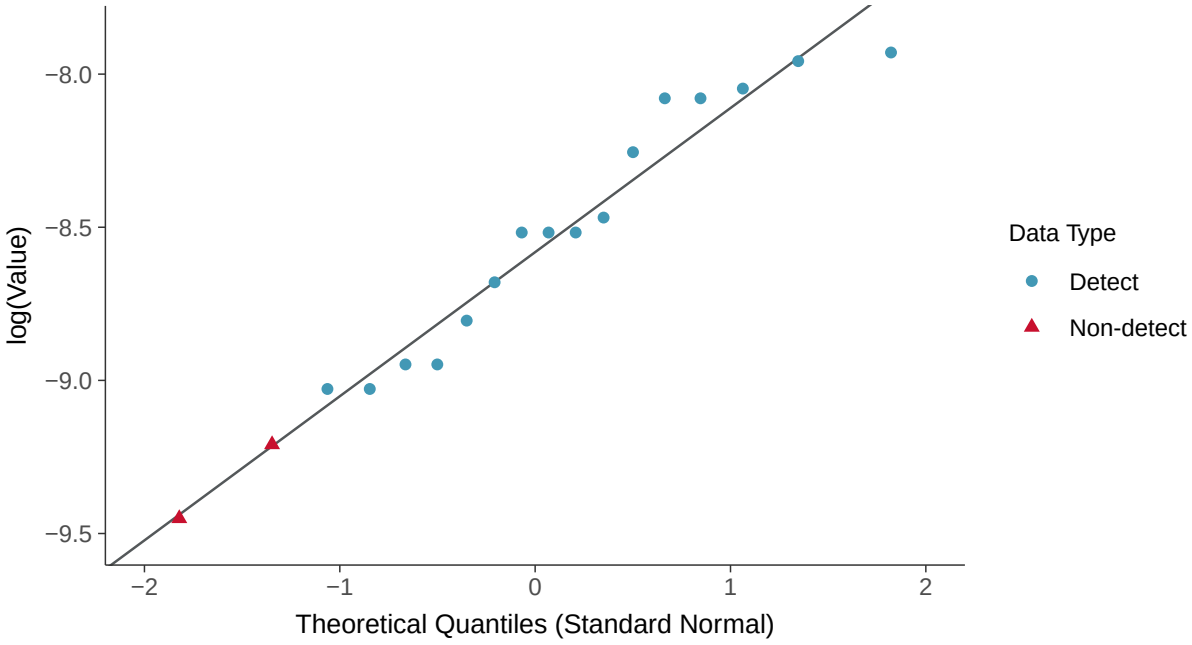
Normal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-01R (mg/L)



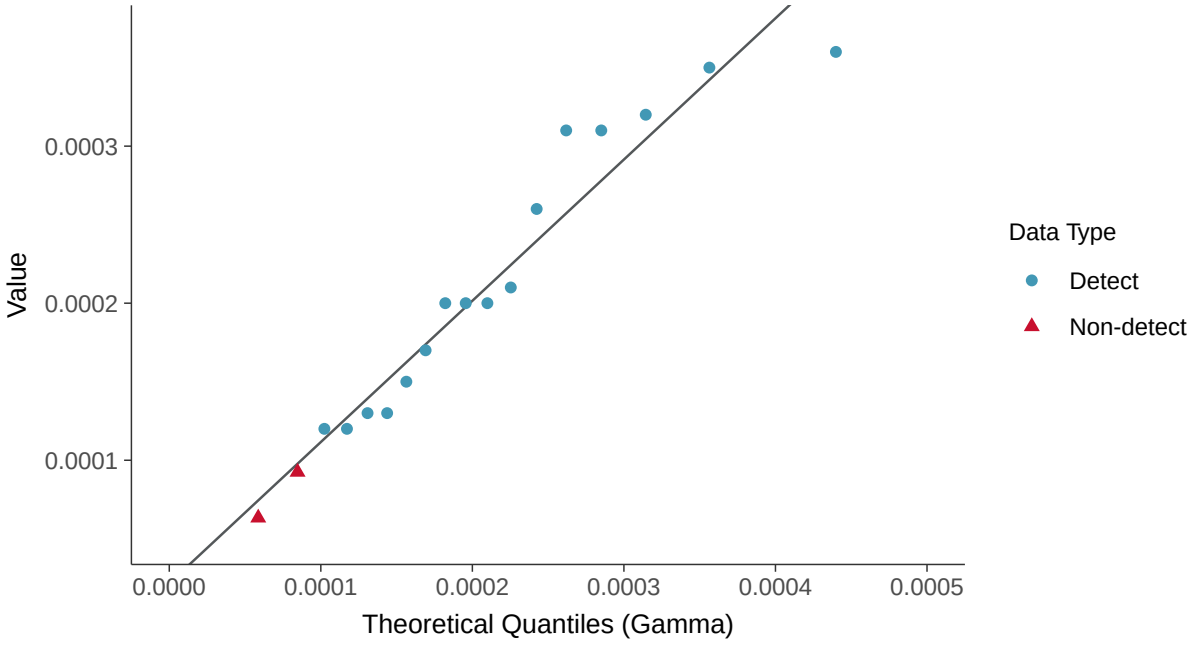
Lognormal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-01R (mg/L)



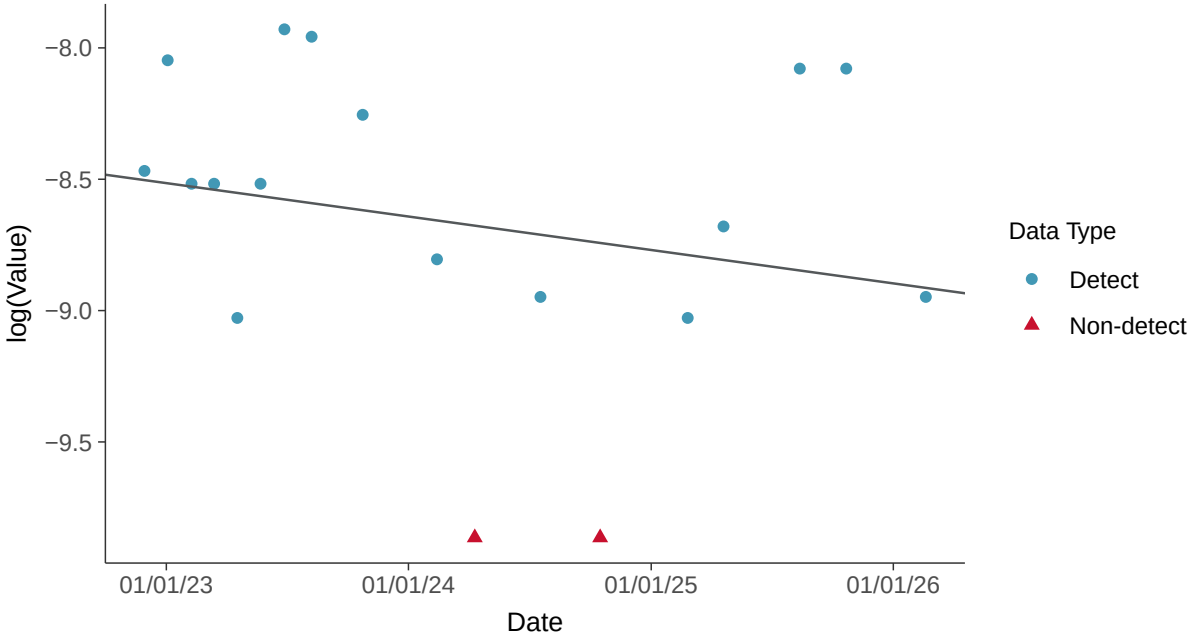
Gamma Q-Q plot using ROS Imputed Estimates

Beryllium, MW-01R (mg/L)



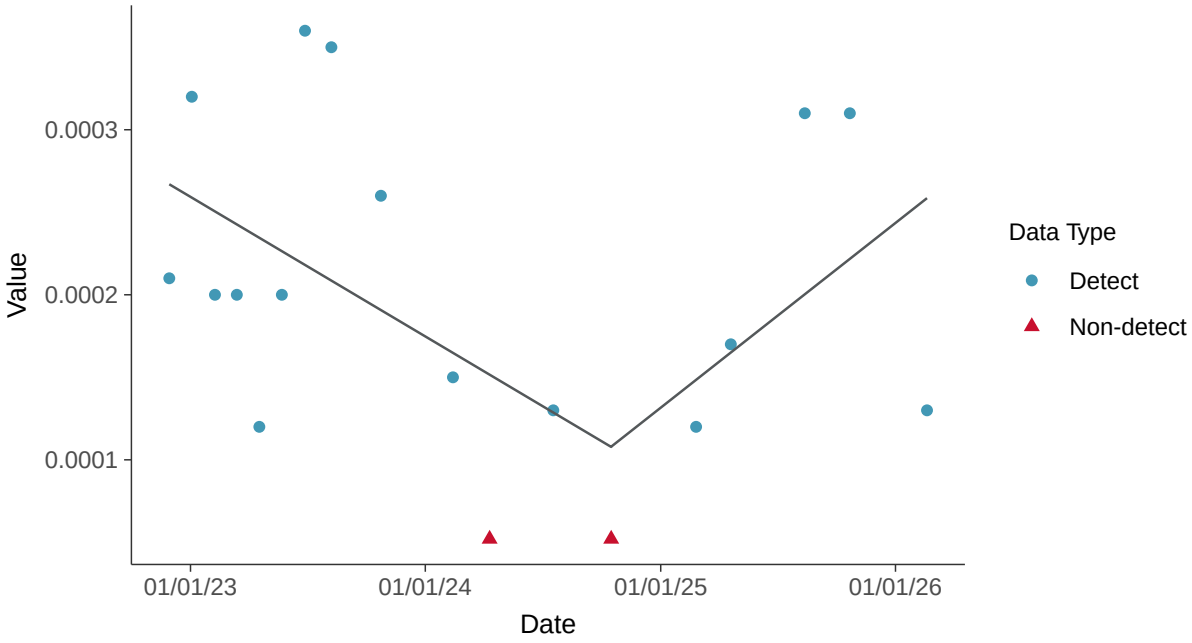
Trend Regression: Lognormal MLE

Beryllium, MW-01R (mg/L)



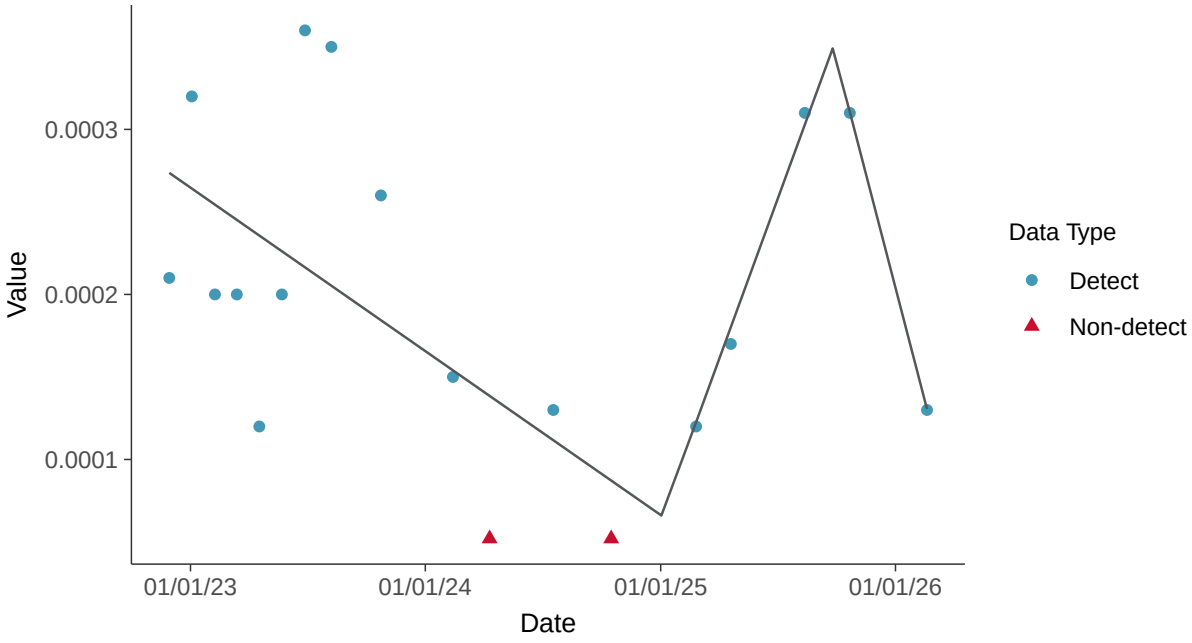
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-01R (mg/L)



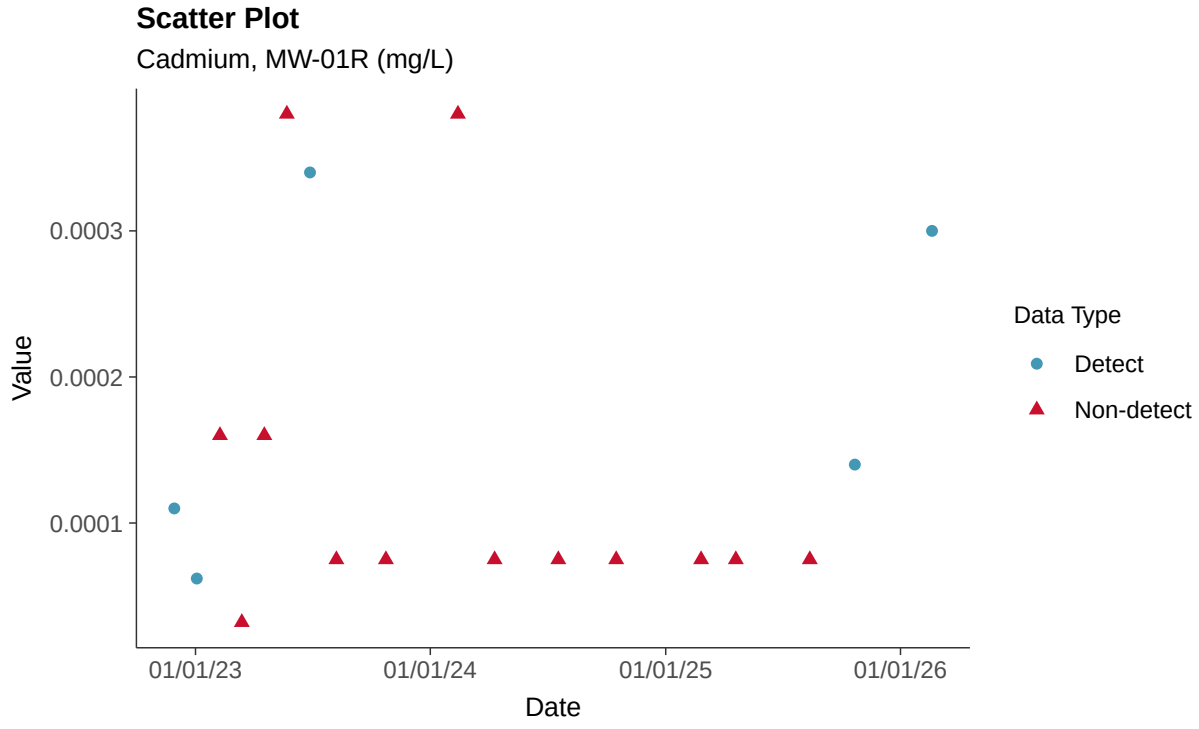
Trend Regression: Piecewise Linear-Linear-Linear

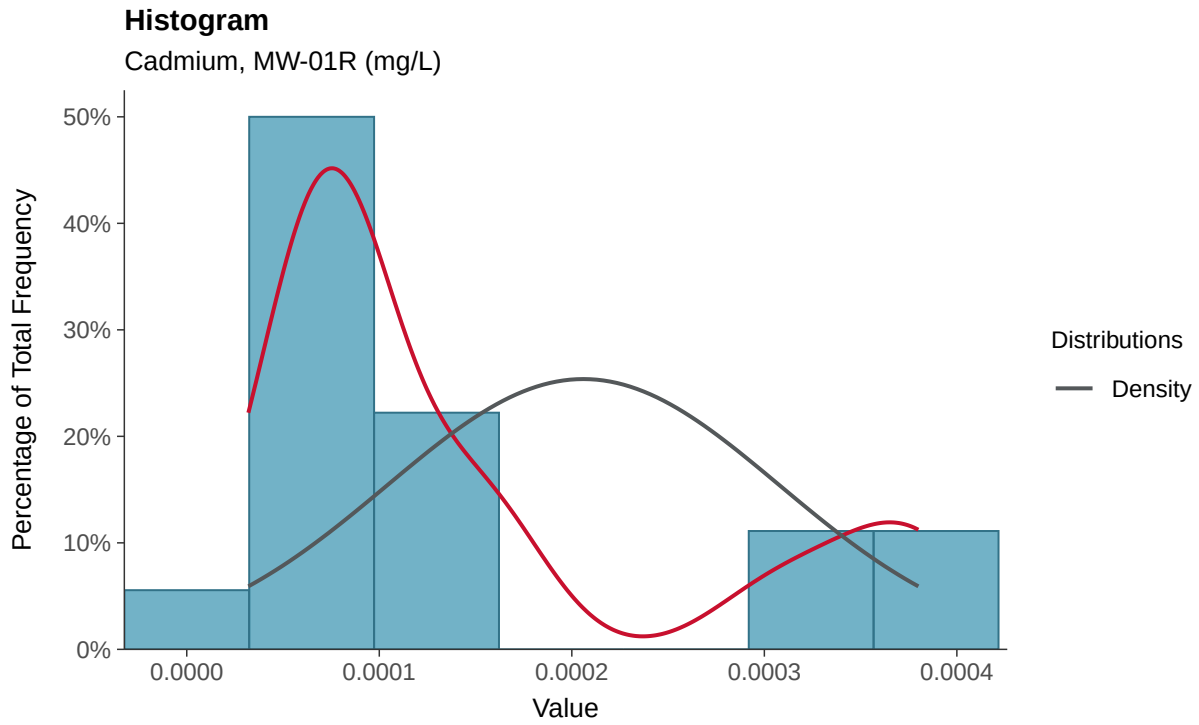
Beryllium, MW-01R (mg/L)



Appendix IV: Cadmium, MW-01R

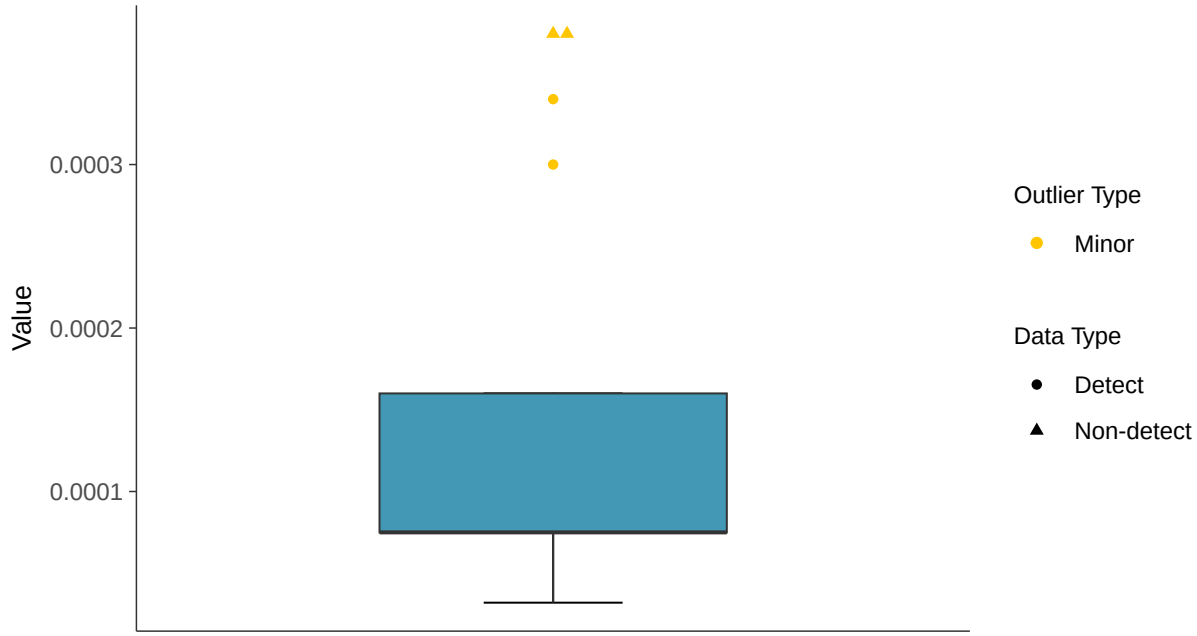
ID: 11_2_4_106





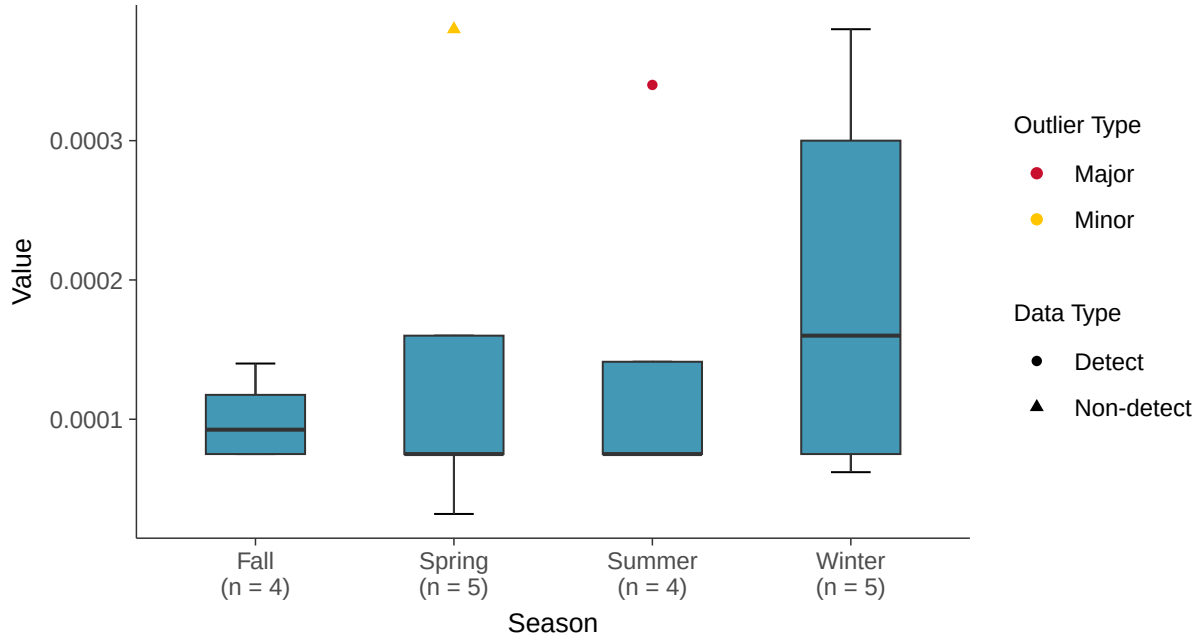
Boxplot

Cadmium, MW-01R (mg/L)



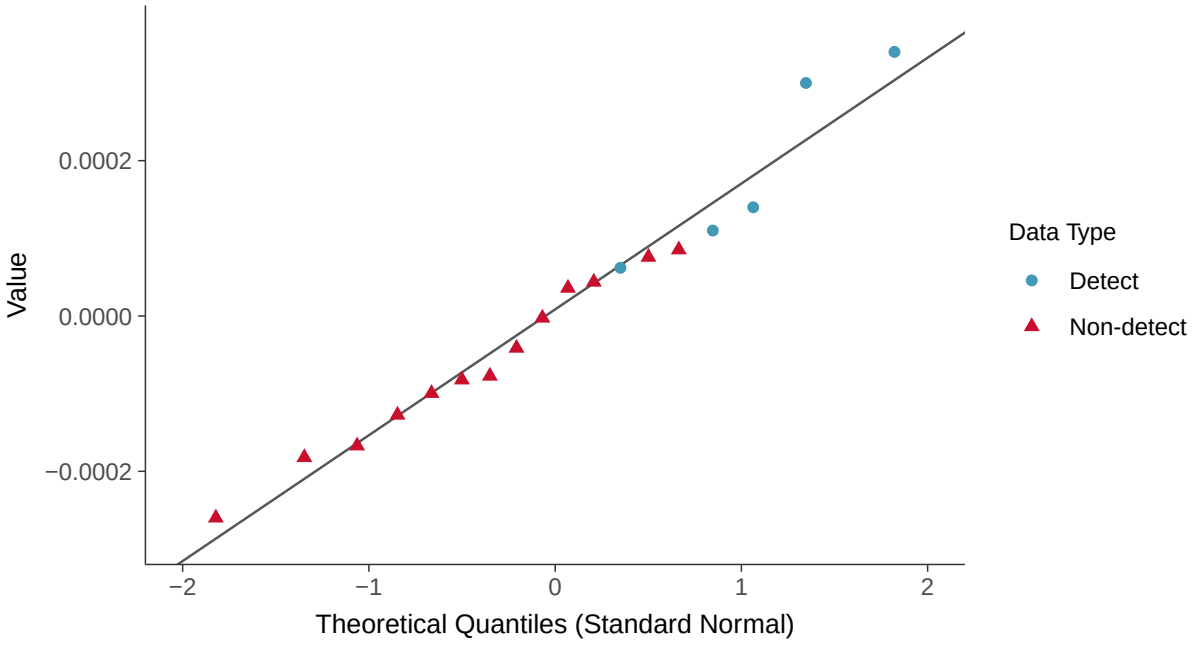
Boxplot by Season

Cadmium, MW-01R (mg/L)



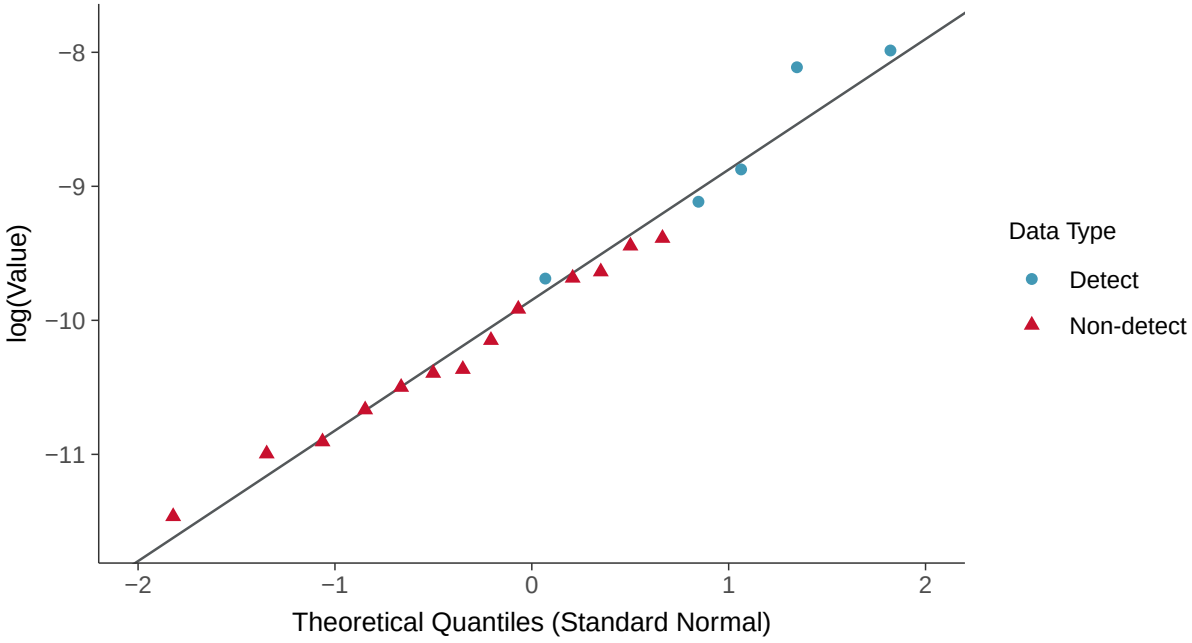
Normal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-01R (mg/L)



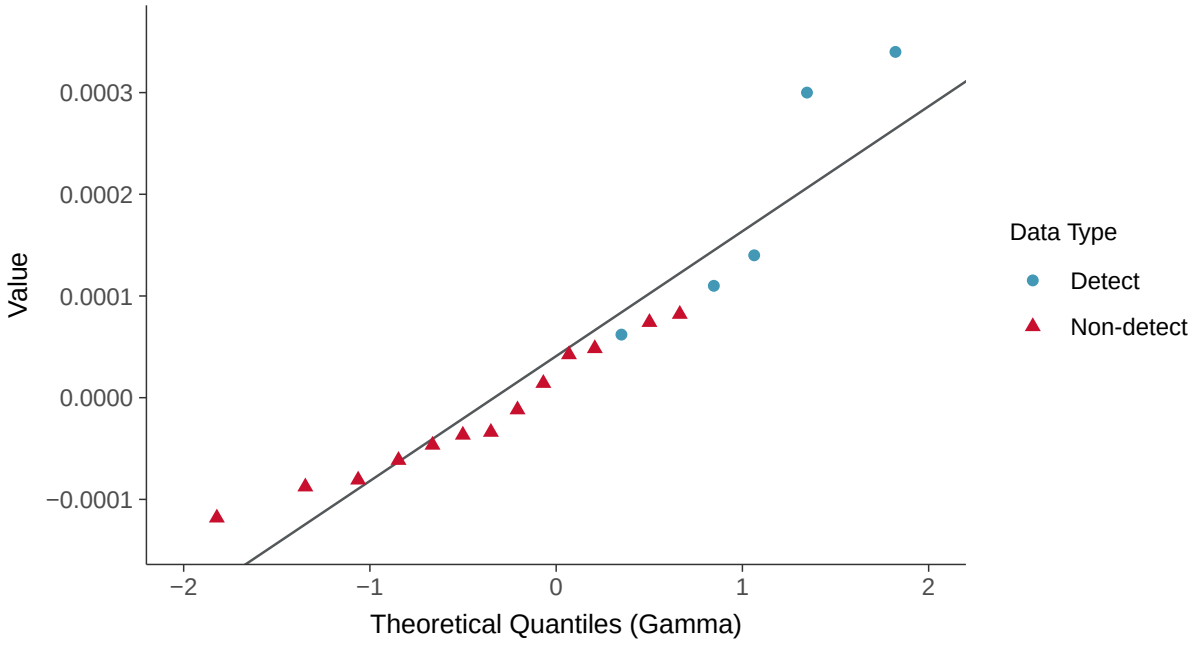
Lognormal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-01R (mg/L)



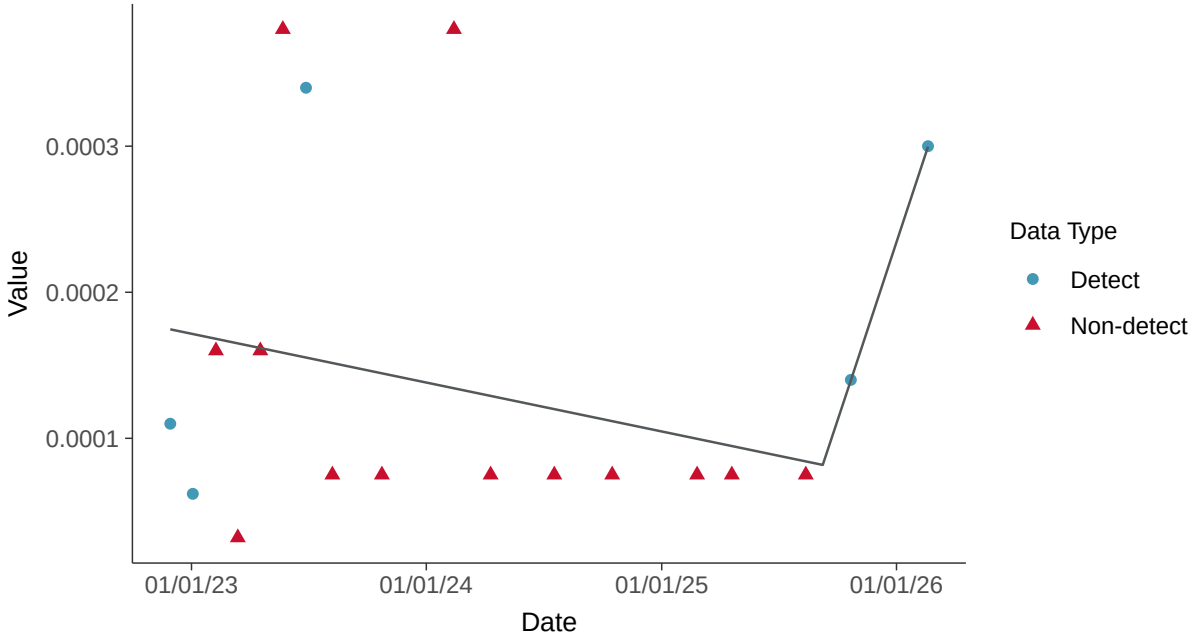
Gamma Q-Q plot using ROS Imputed Estimates

Cadmium, MW-01R (mg/L)



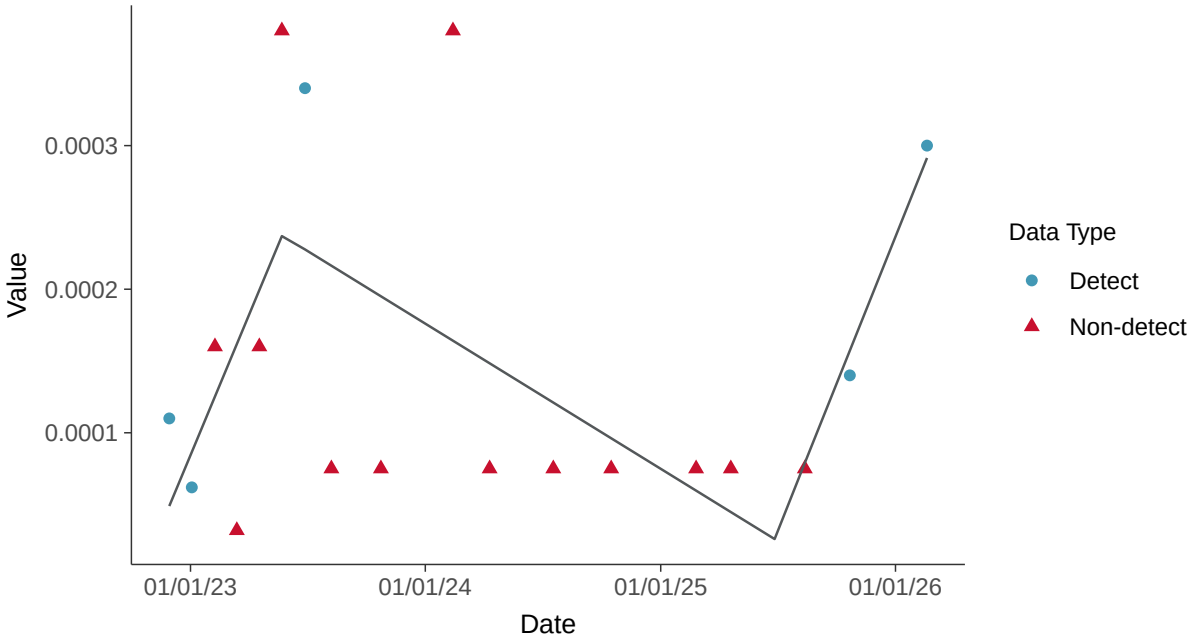
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-01R (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Cadmium, MW-01R (mg/L)

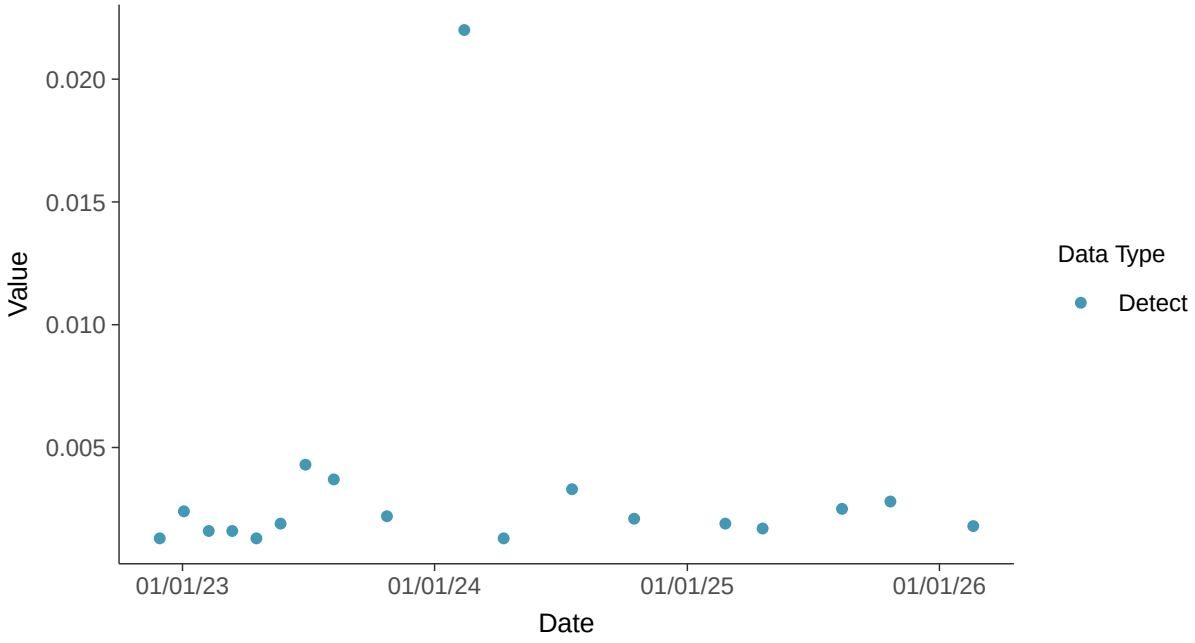


Appendix IV: Chromium, Total, MW-01R

ID: 11_2_4_109

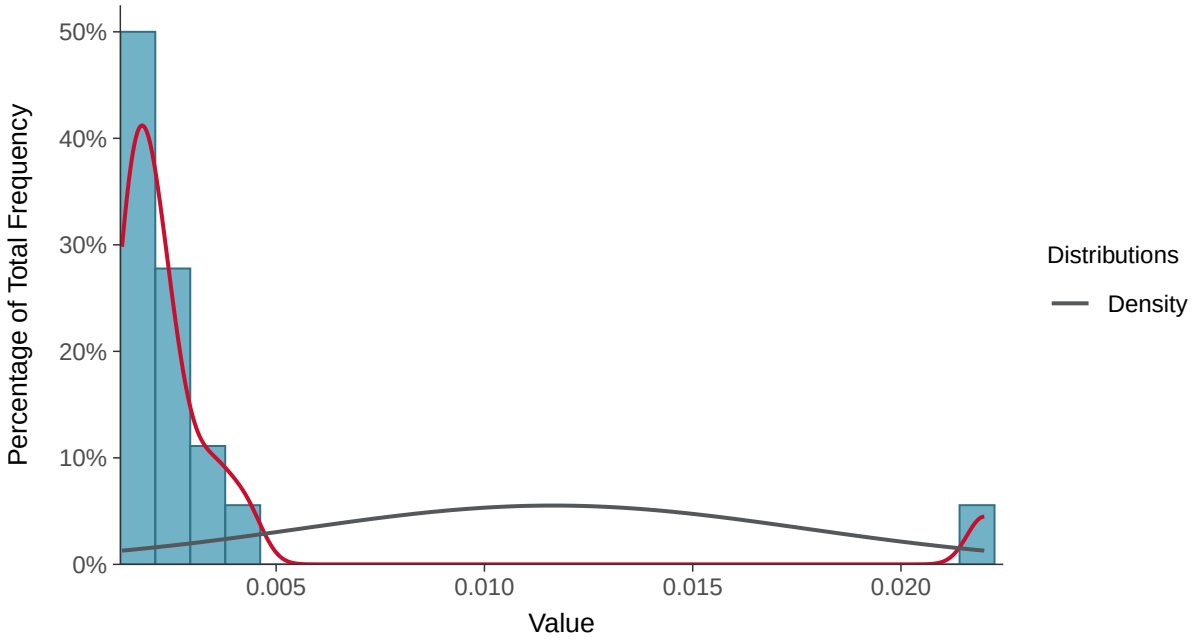
Scatter Plot

Chromium, Total, MW-01R (mg/L)



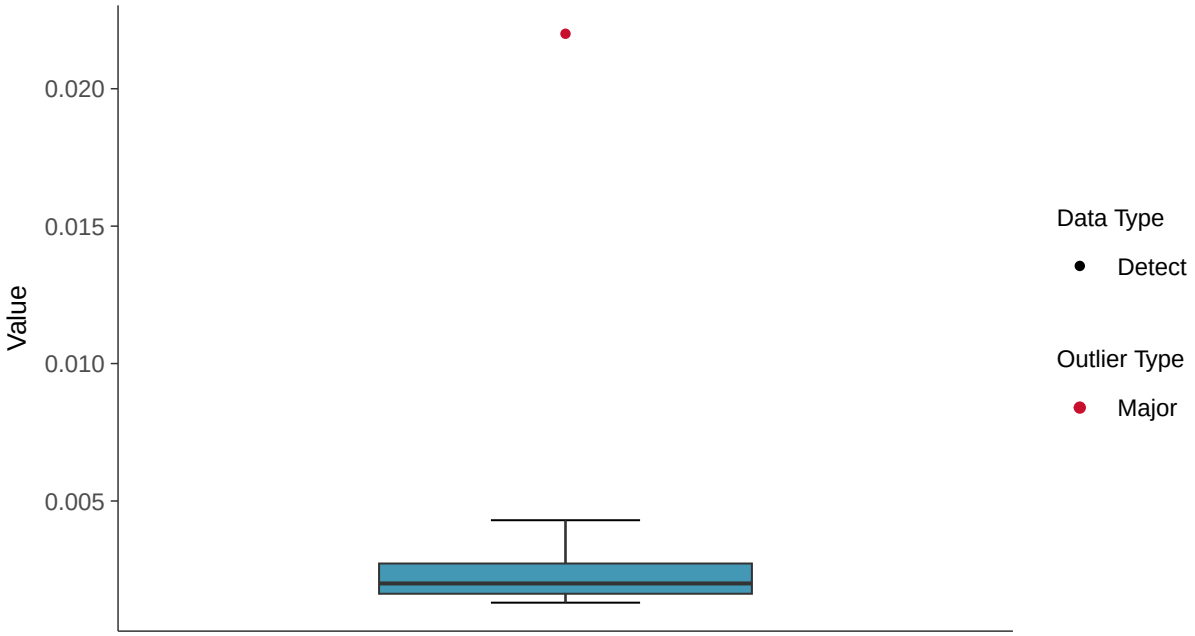
Histogram

Chromium, Total, MW-01R (mg/L)



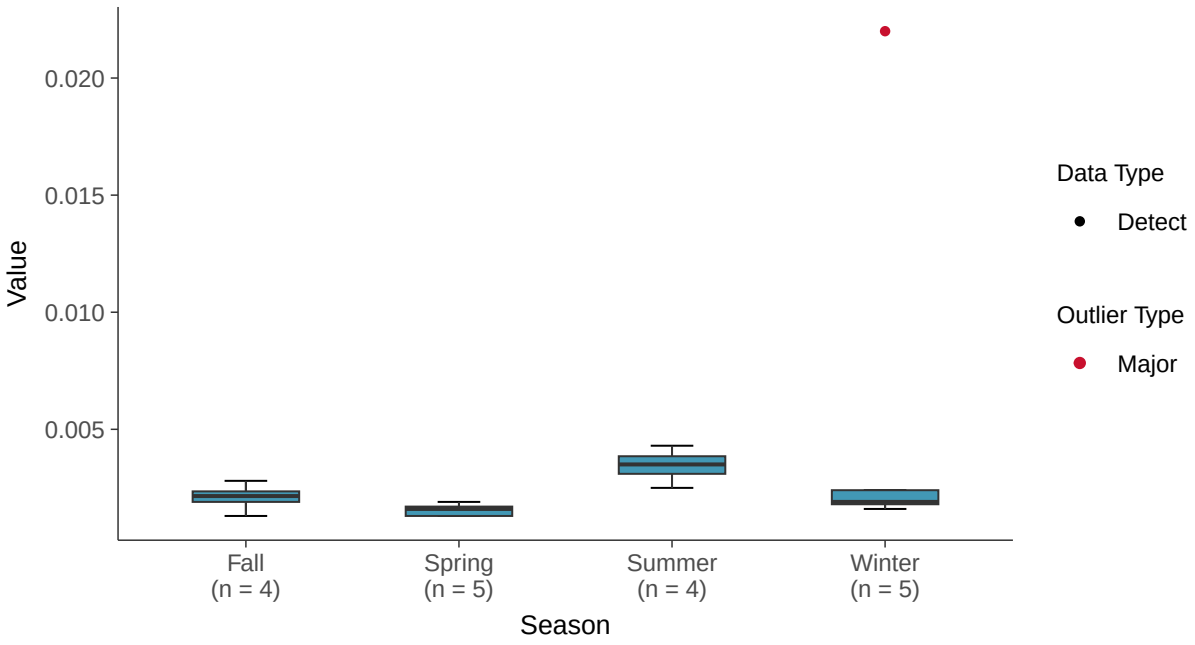
Boxplot

Chromium, Total, MW-01R (mg/L)



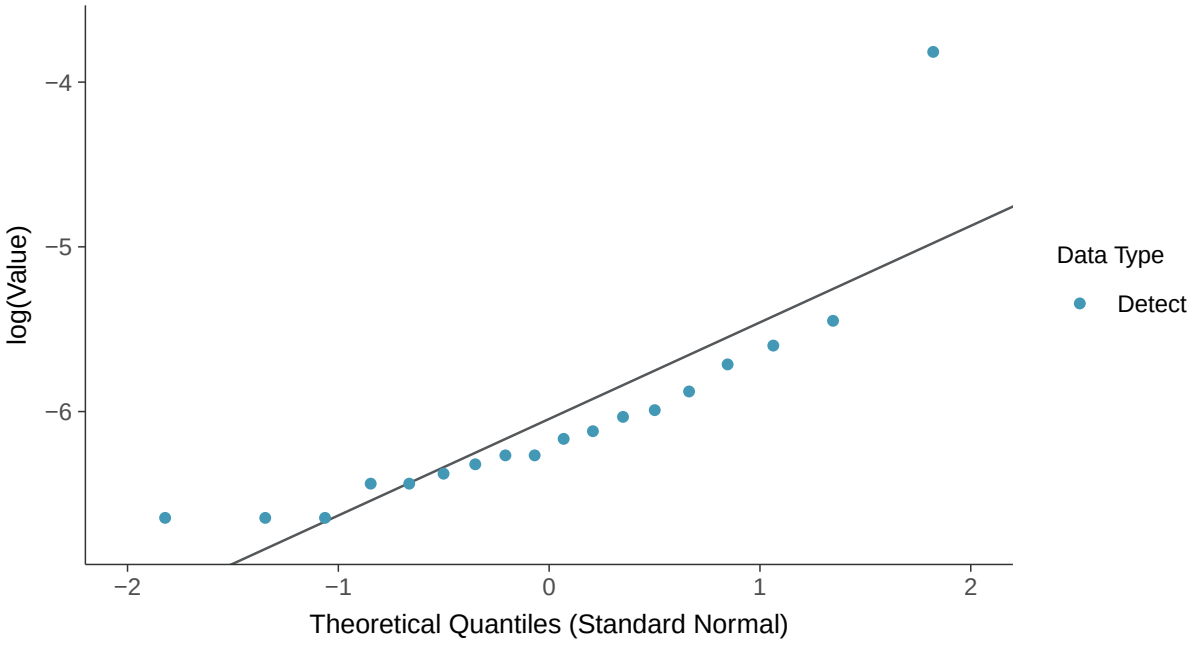
Boxplot by Season

Chromium, Total, MW-01R (mg/L)



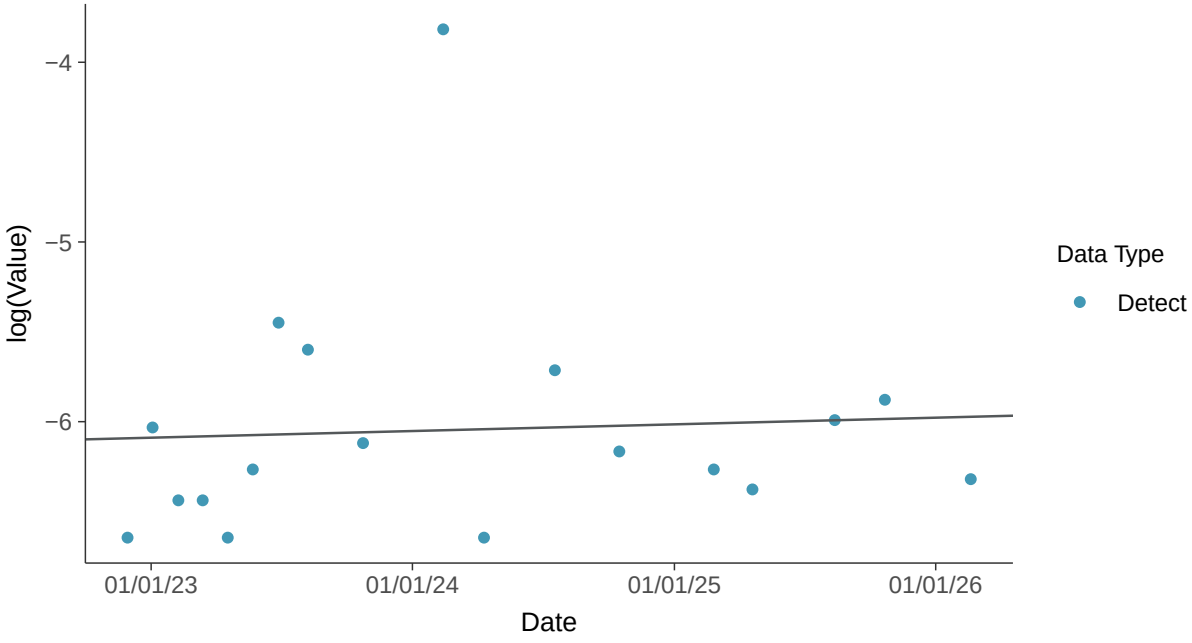
Lognormal Q-Q plot

Chromium, Total, MW-01R (mg/L)



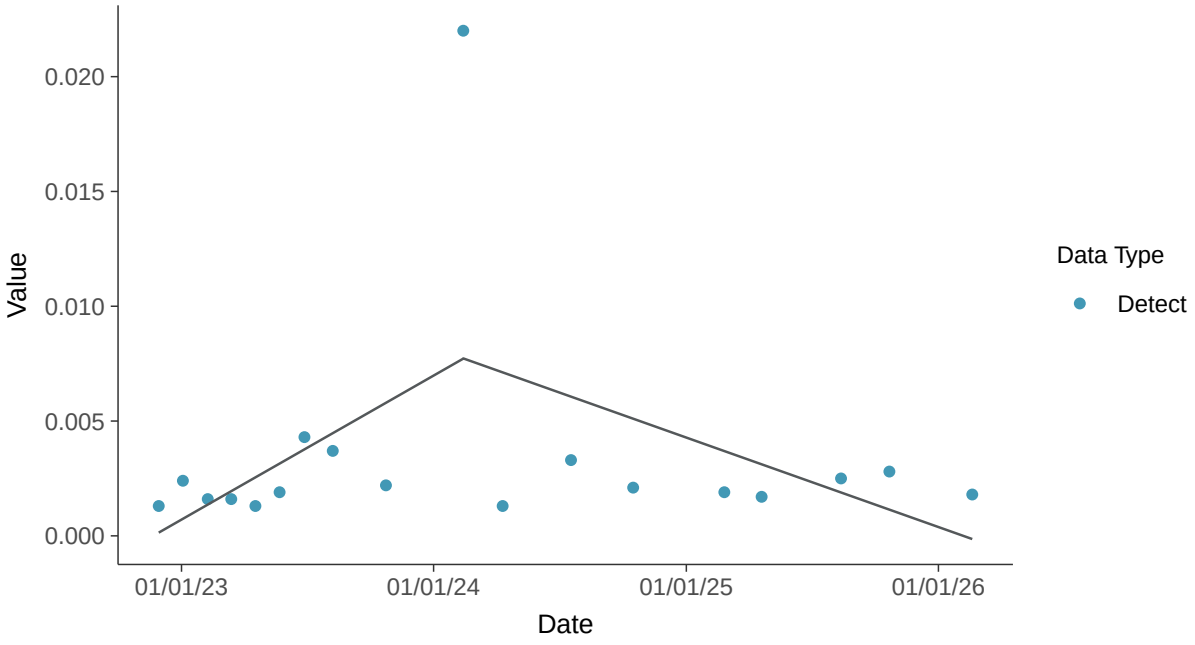
Trend Regression: Lognormal MLE

Chromium, Total, MW-01R (mg/L)



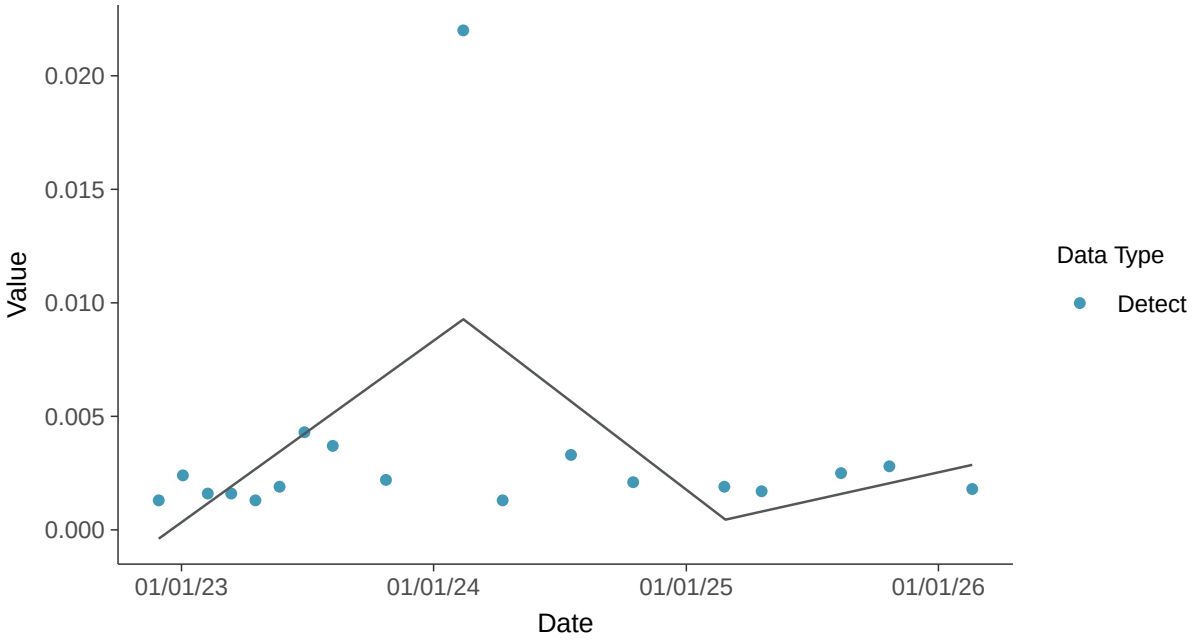
Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-01R (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Chromium, Total, MW-01R (mg/L)

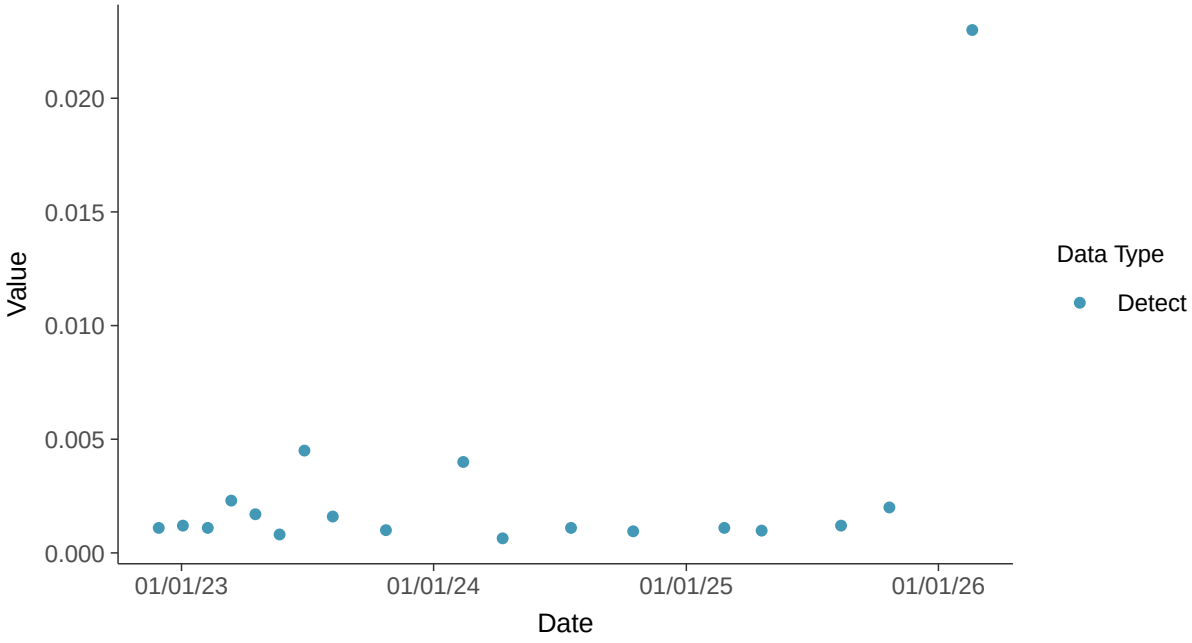


Appendix IV: Cobalt, MW-01R

ID: 11_2_4_110

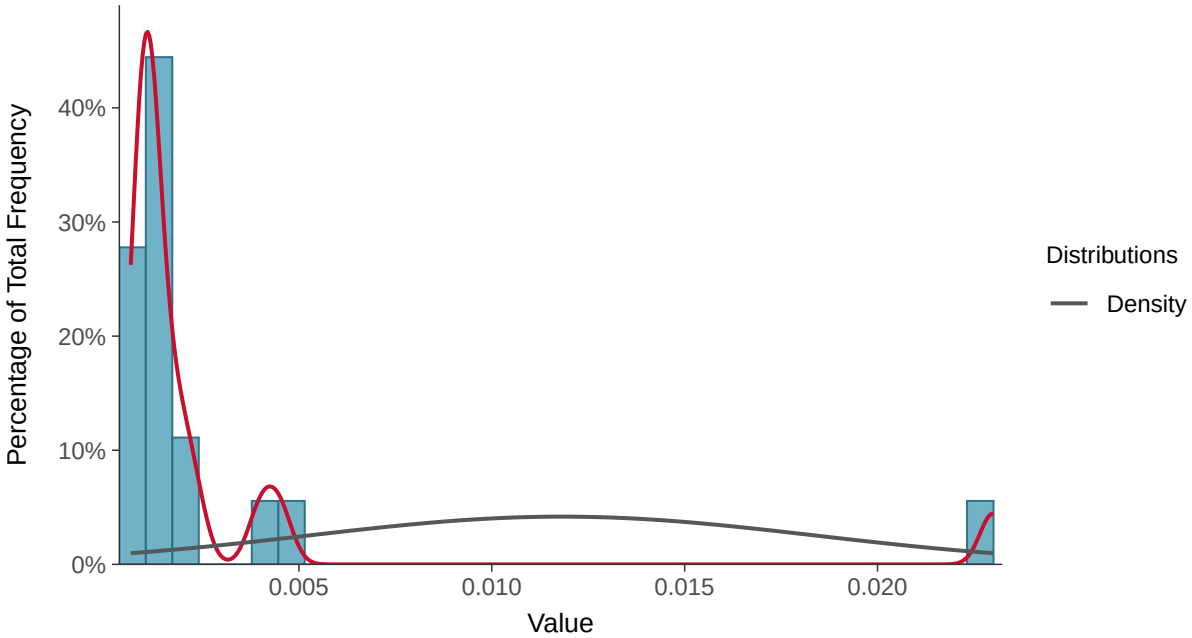
Scatter Plot

Cobalt, MW-01R (mg/L)



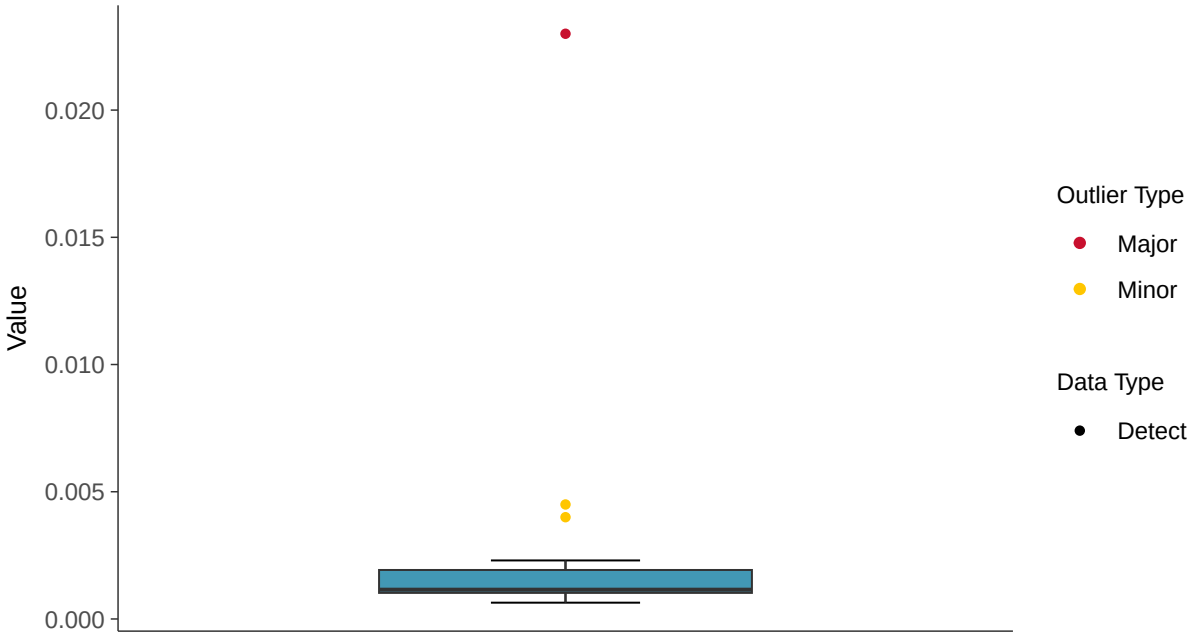
Histogram

Cobalt, MW-01R (mg/L)



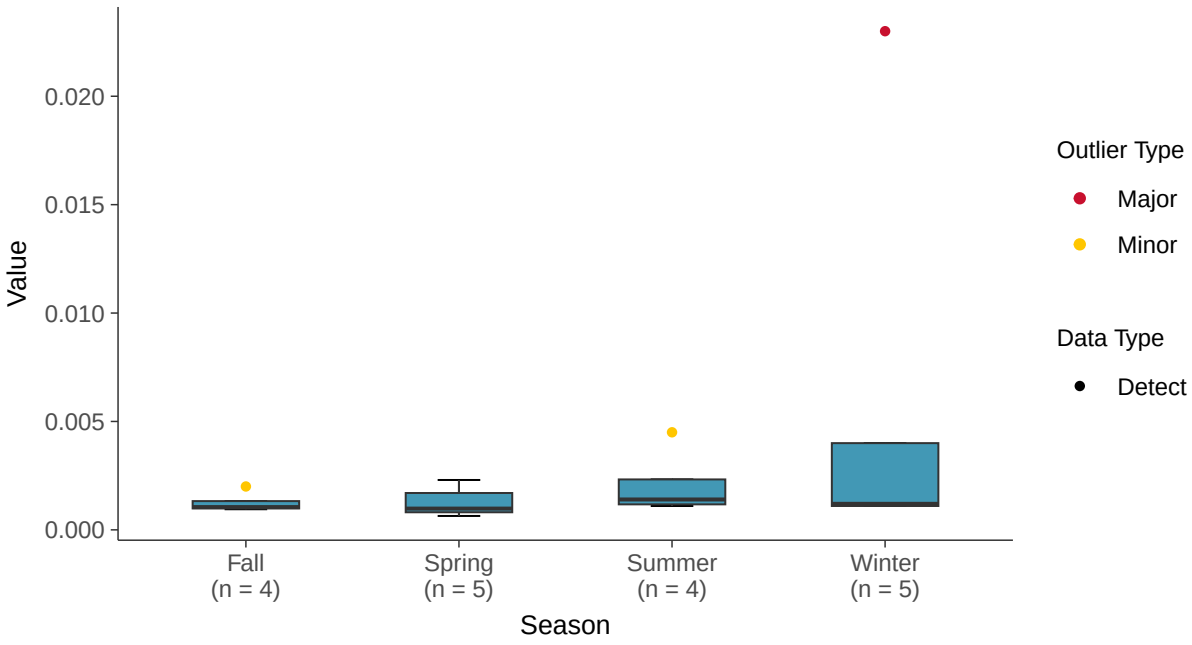
Boxplot

Cobalt, MW-01R (mg/L)



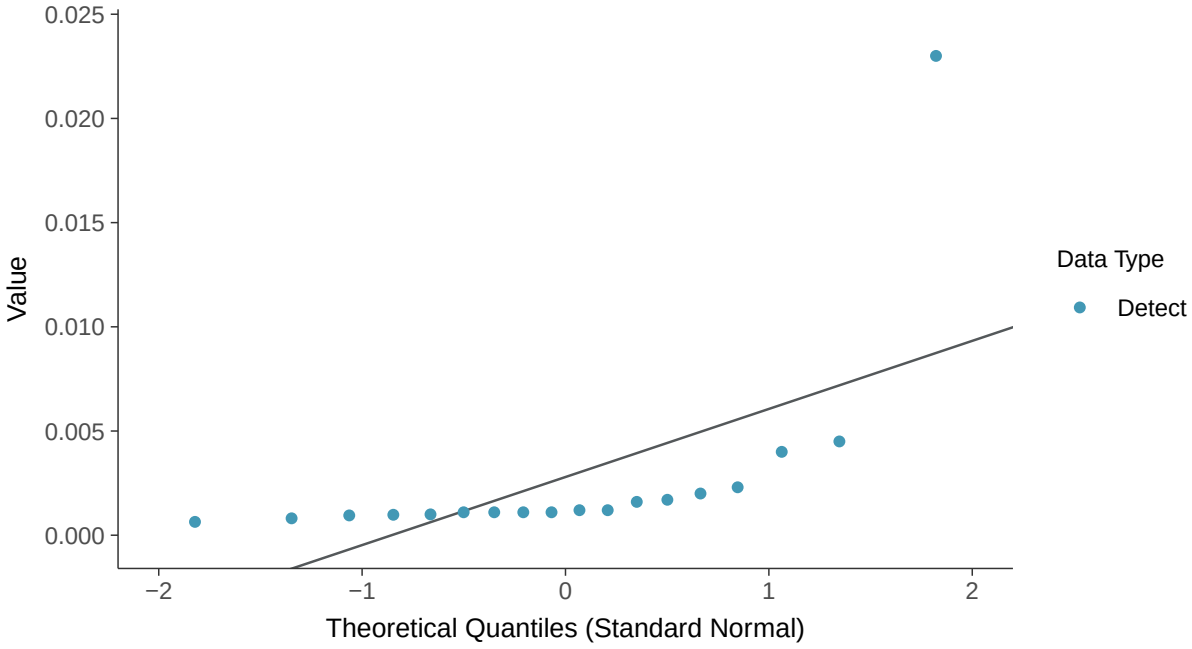
Boxplot by Season

Cobalt, MW-01R (mg/L)



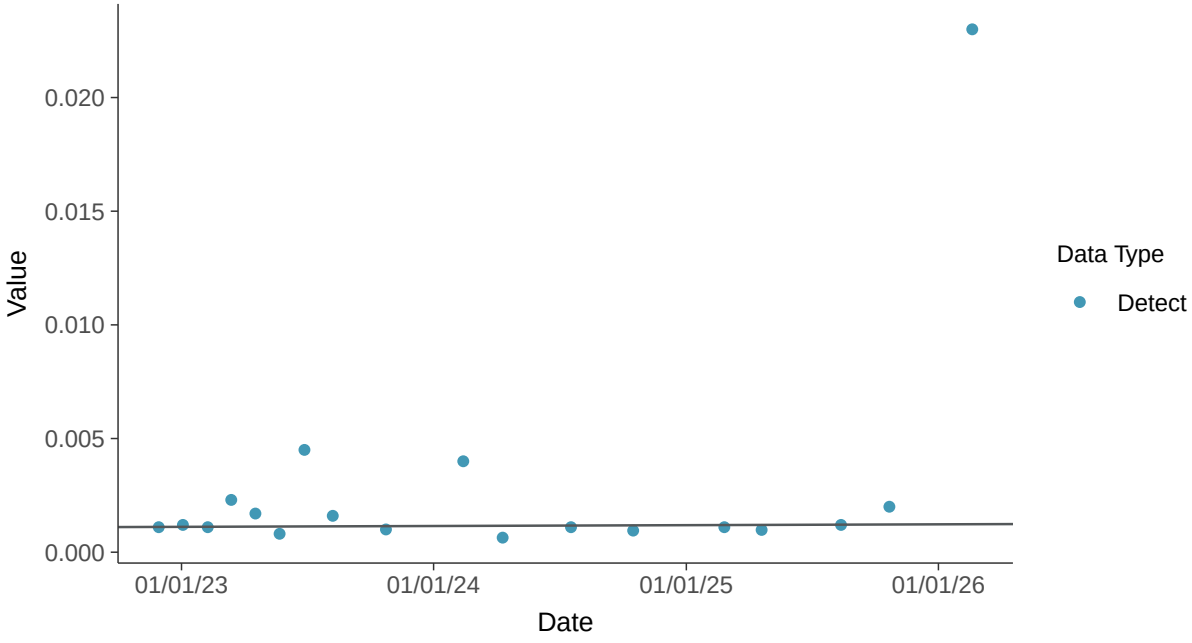
Normal Q-Q plot

Cobalt, MW-01R (mg/L)



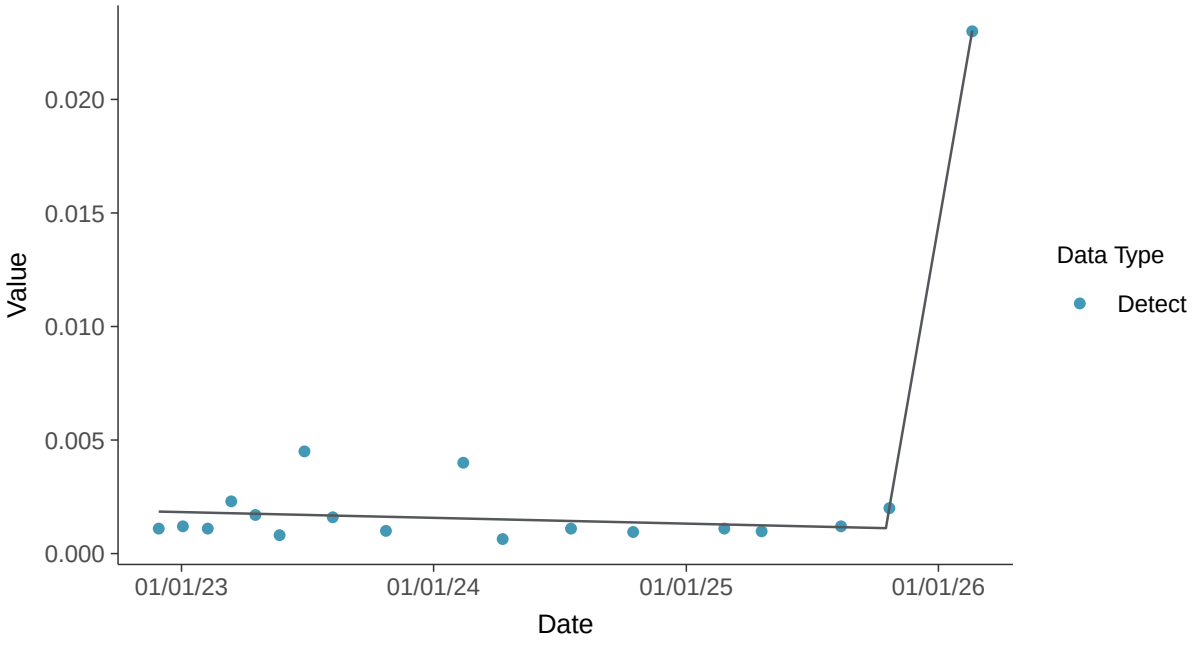
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Cobalt, MW-01R (mg/L)



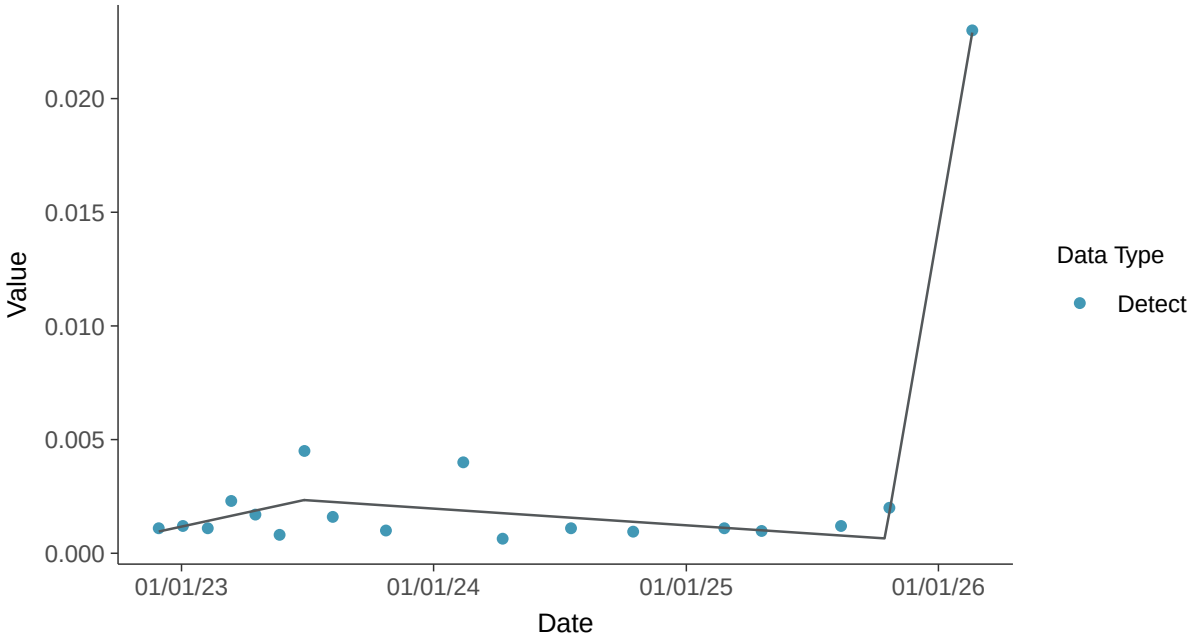
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-01R (mg/L)



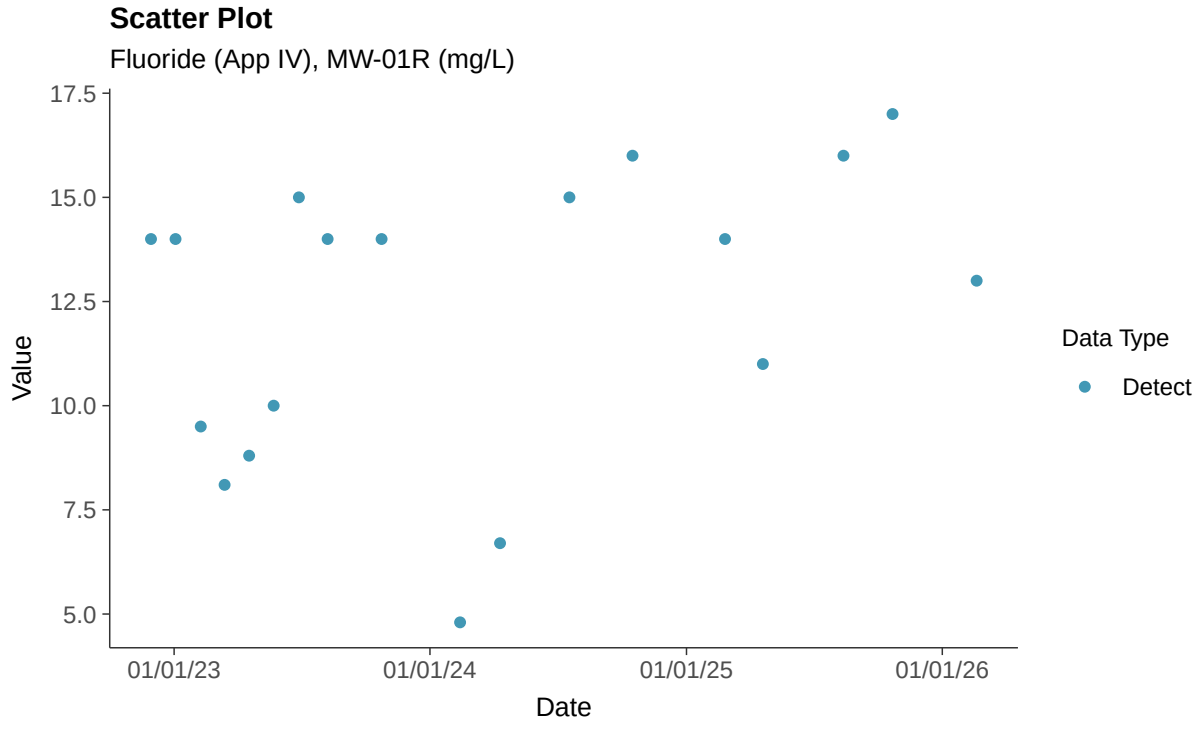
Trend Regression: Piecewise Linear-Linear-Linear

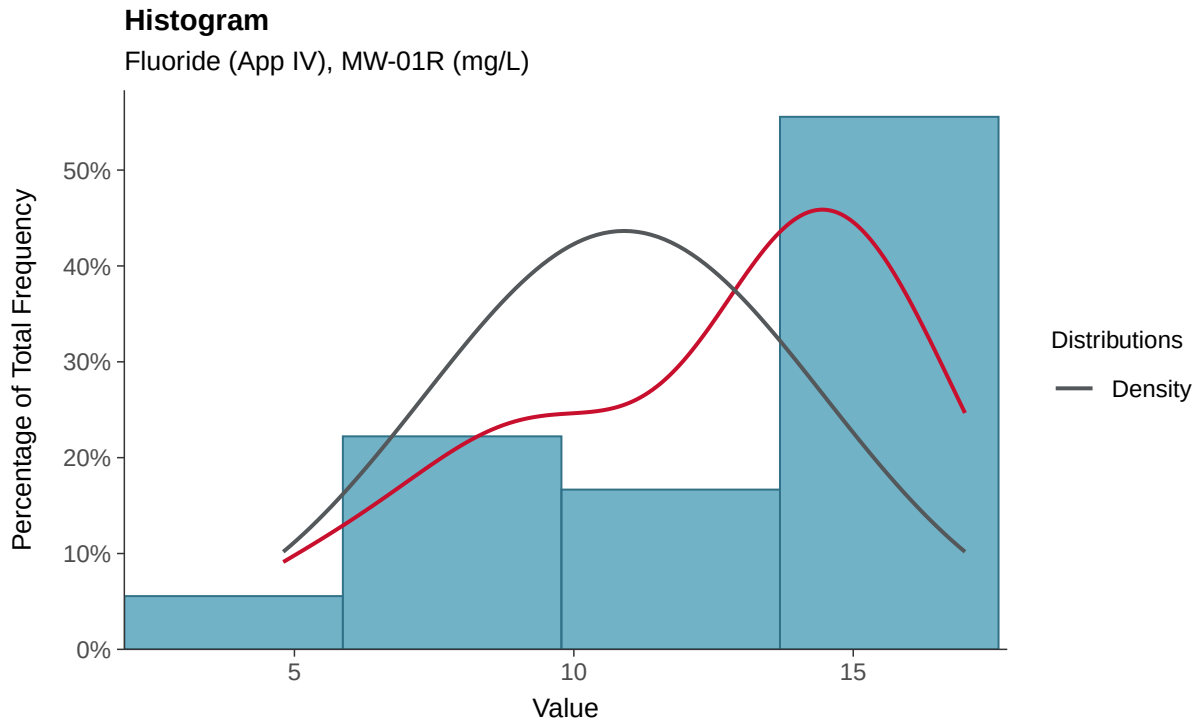
Cobalt, MW-01R (mg/L)



Appendix IV: Fluoride (App IV), MW-01R

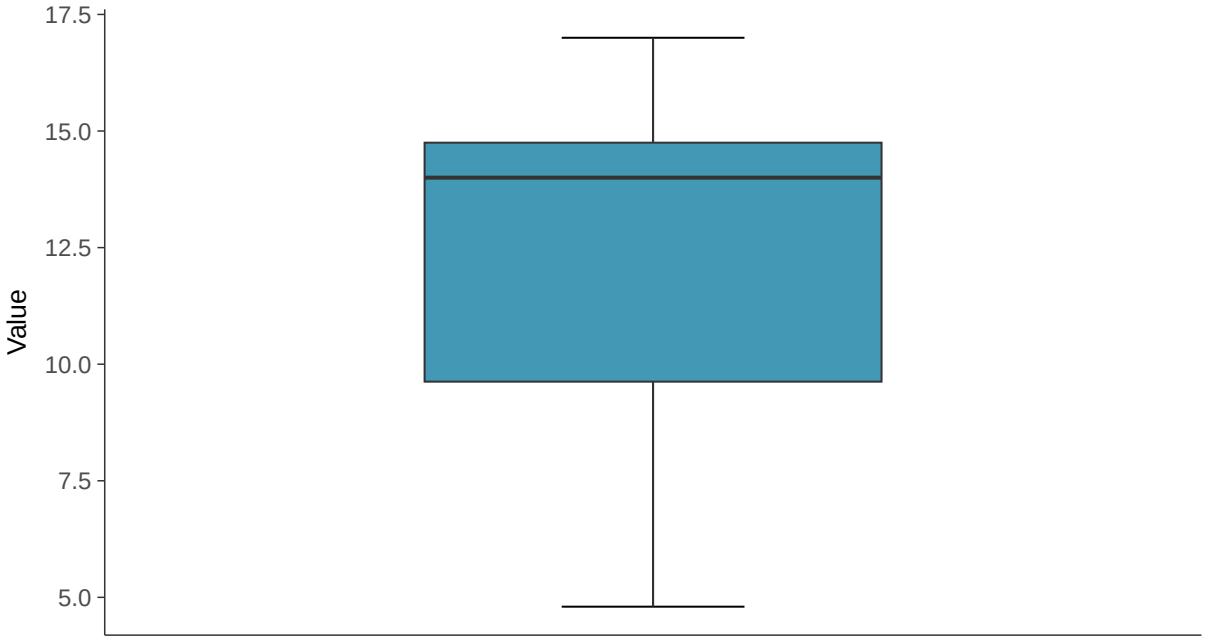
ID: 11_2_4_113





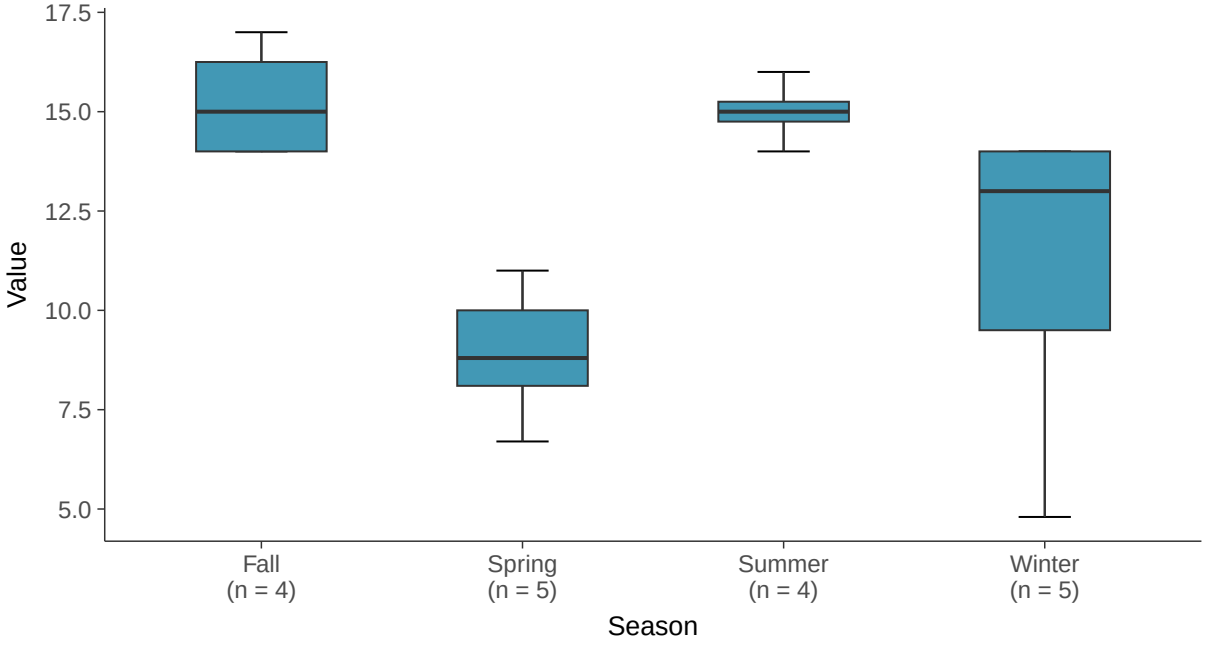
Boxplot

Fluoride (App IV), MW-01R (mg/L)



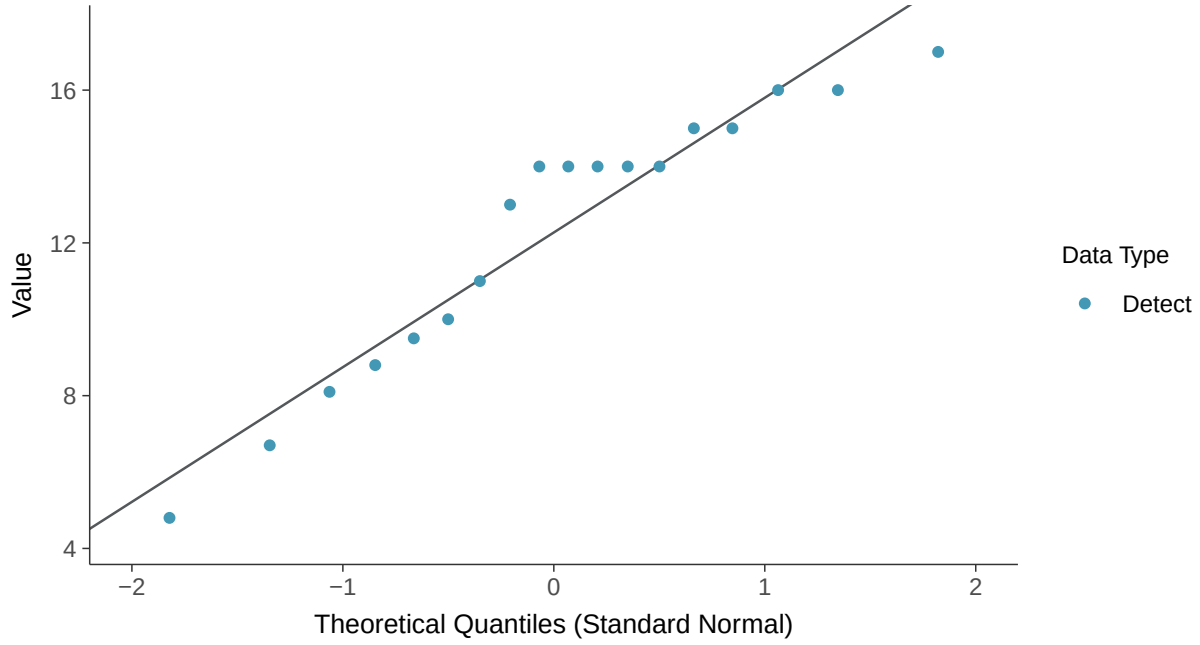
Boxplot by Season

Fluoride (App IV), MW-01R (mg/L)



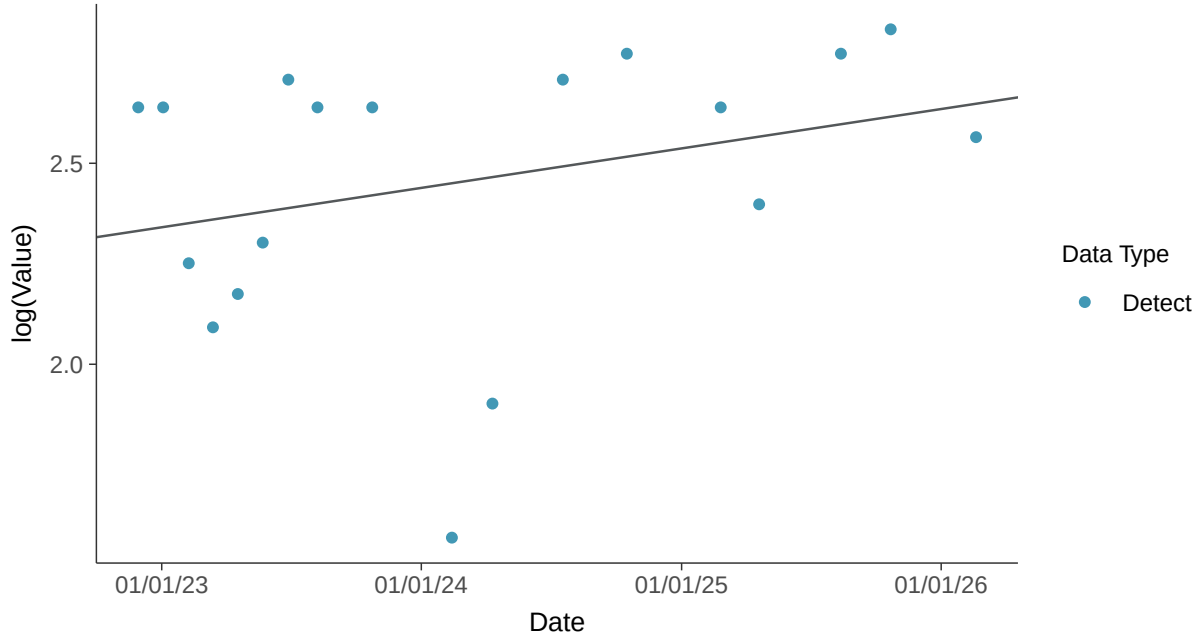
Normal Q-Q plot

Fluoride (App IV), MW-01R (mg/L)



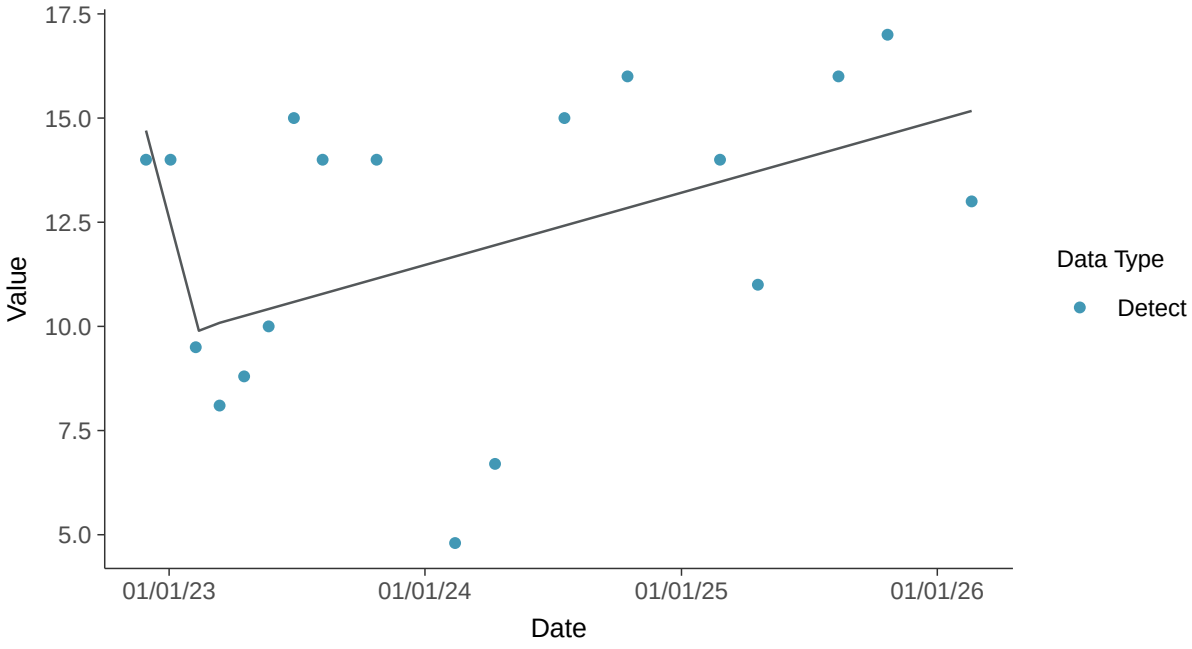
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-01R (mg/L)



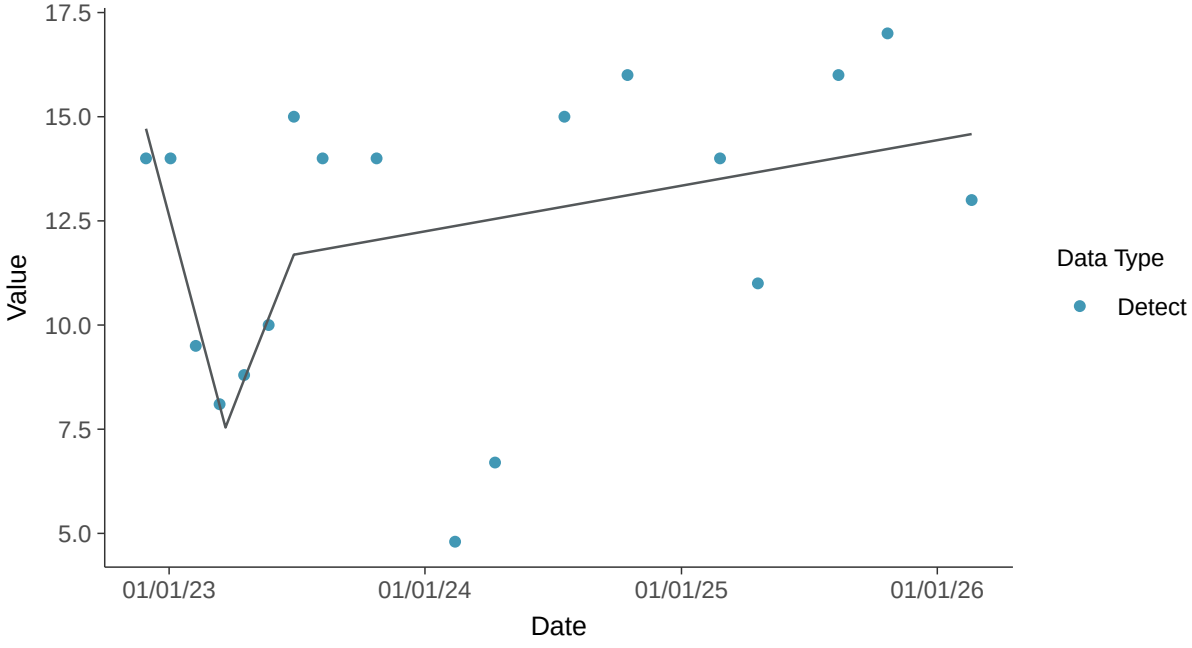
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-01R (mg/L)



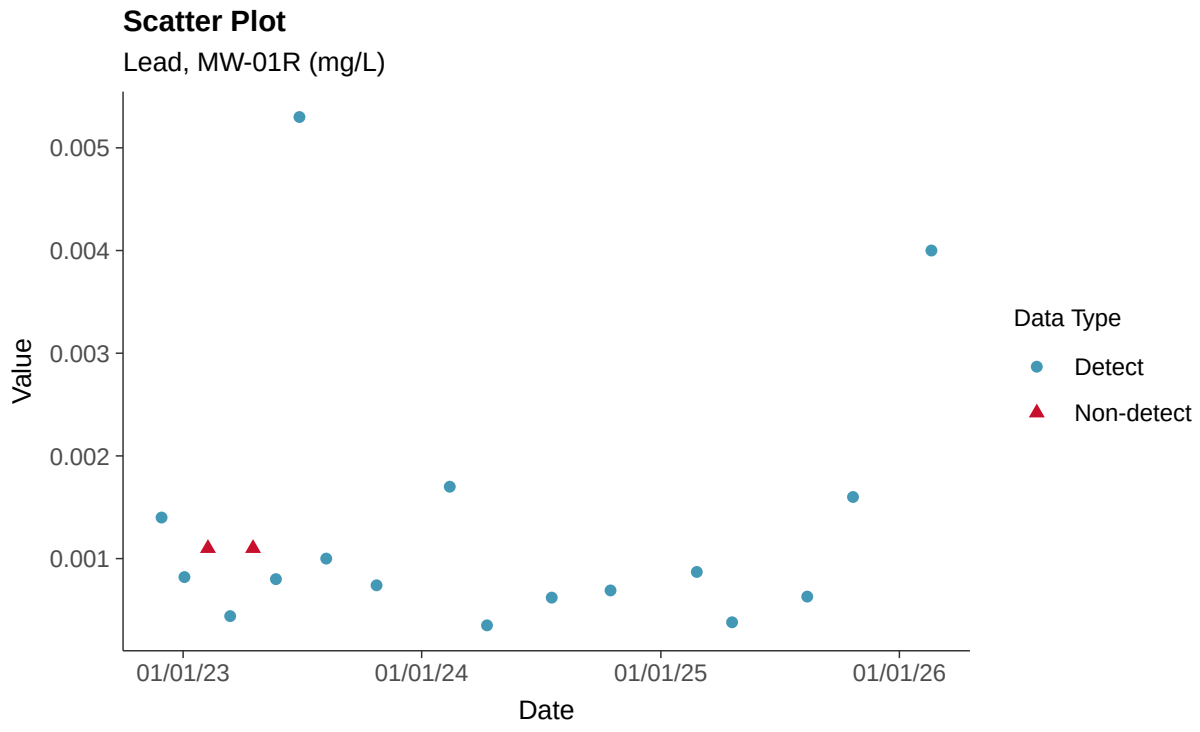
Trend Regression: Piecewise Linear-Linear-Linear

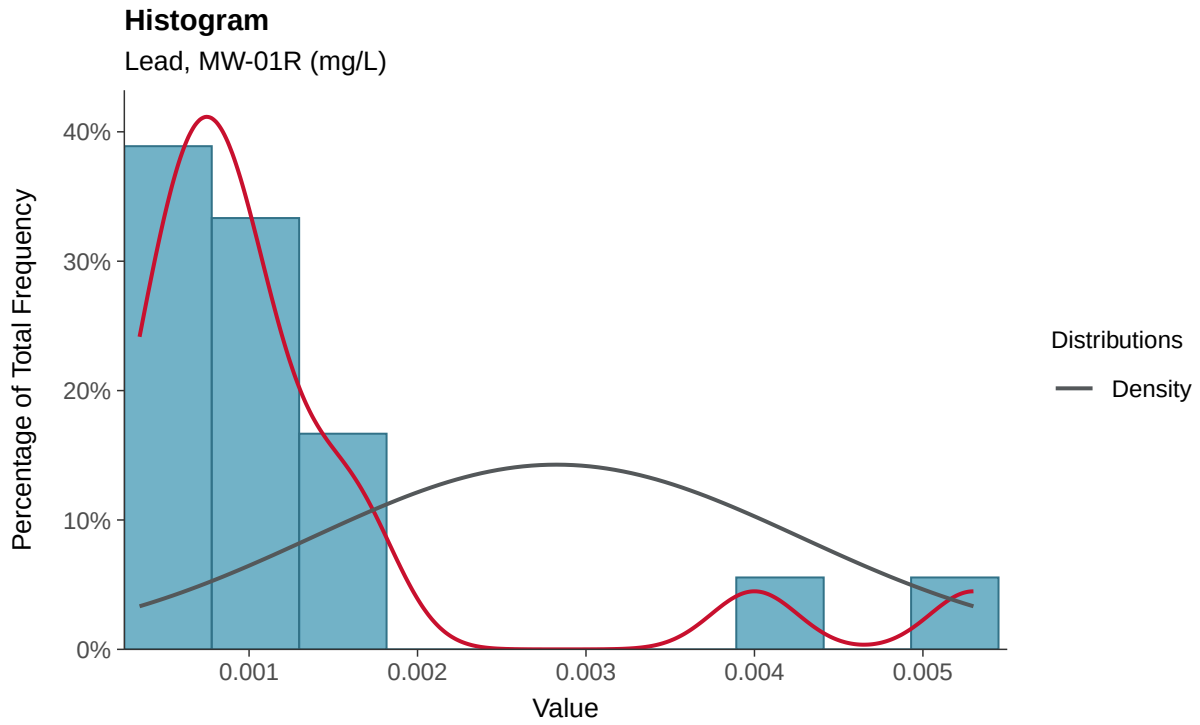
Fluoride (App IV), MW-01R (mg/L)



Appendix IV: Lead, MW-01R

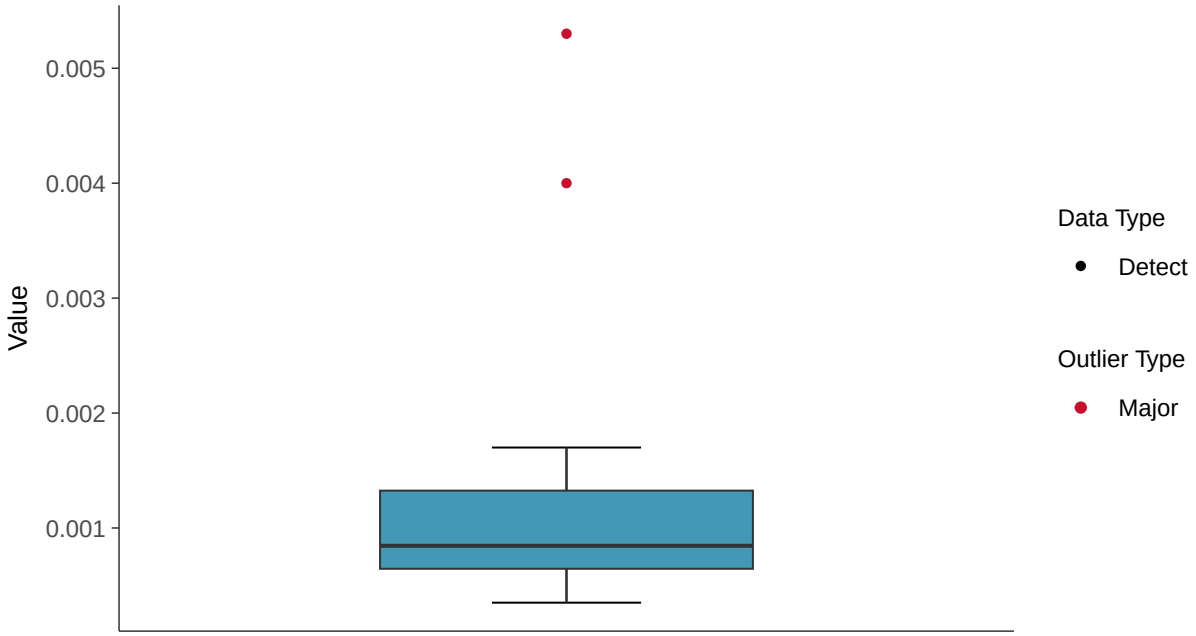
ID: 11_2_4_115





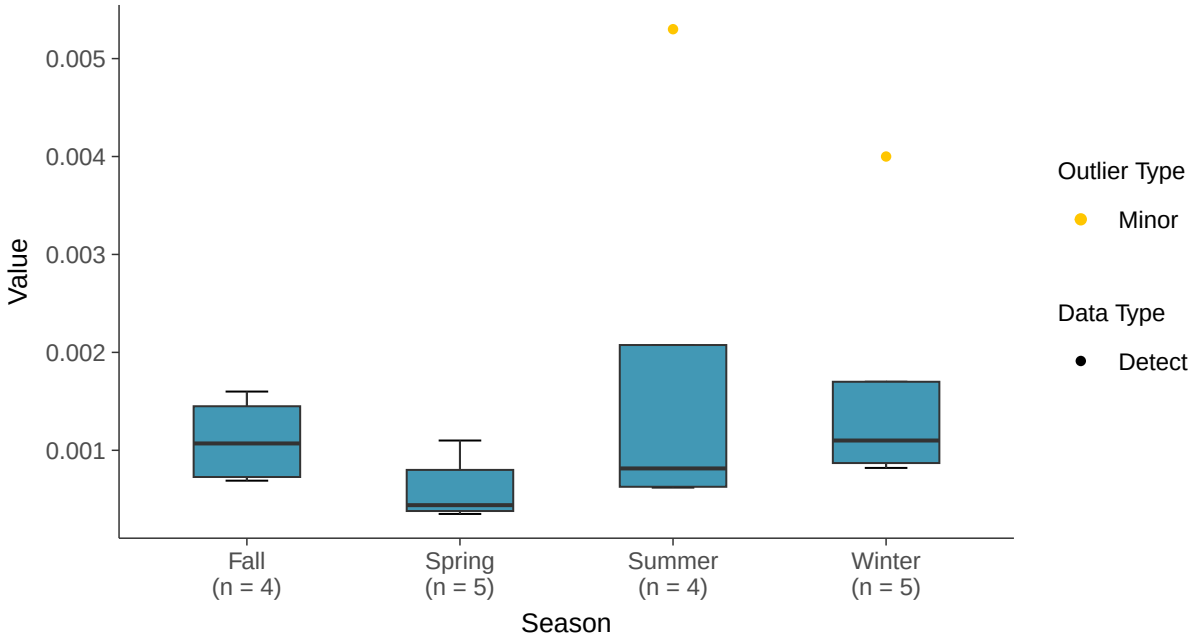
Boxplot

Lead, MW-01R (mg/L)



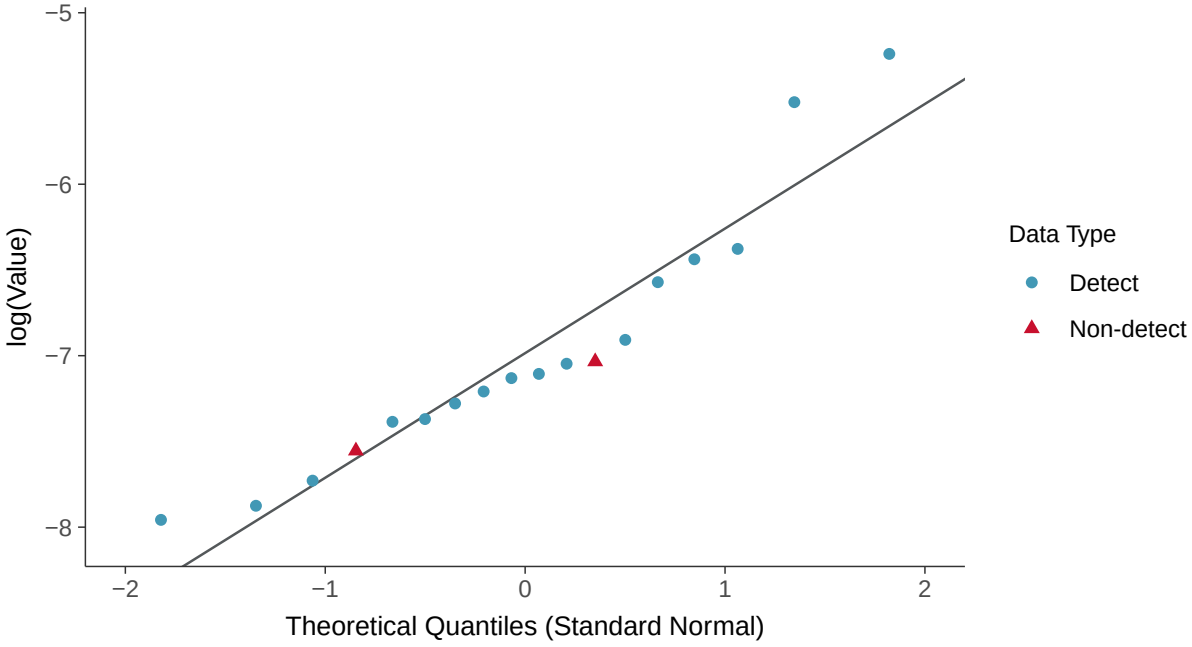
Boxplot by Season

Lead, MW-01R (mg/L)



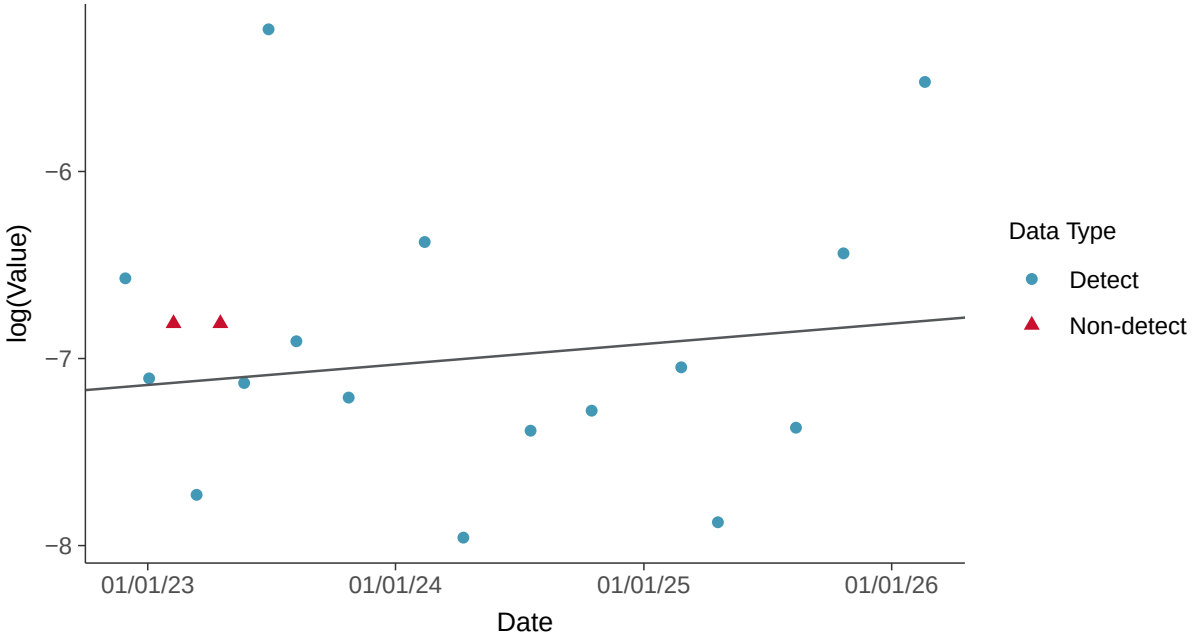
Lognormal Q-Q plot using ROS Imputed Estimates

Lead, MW-01R (mg/L)



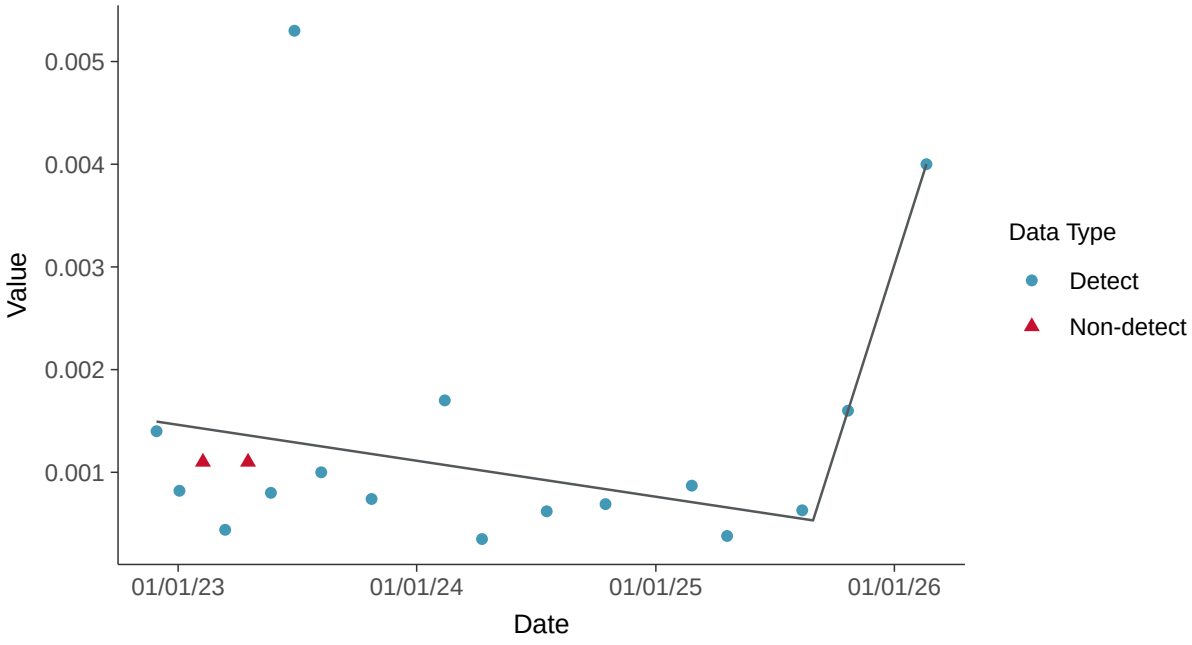
Trend Regression: Lognormal MLE

Lead, MW-01R (mg/L)



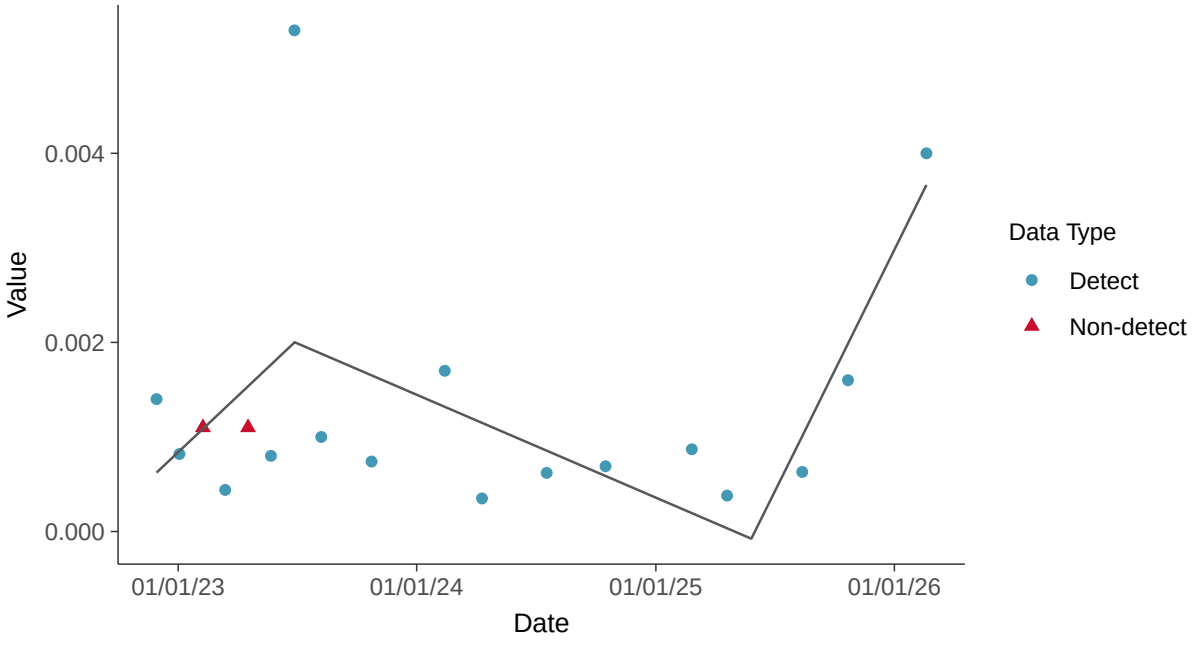
Trend Regression: Piecewise Linear-Linear

Lead, MW-01R (mg/L)



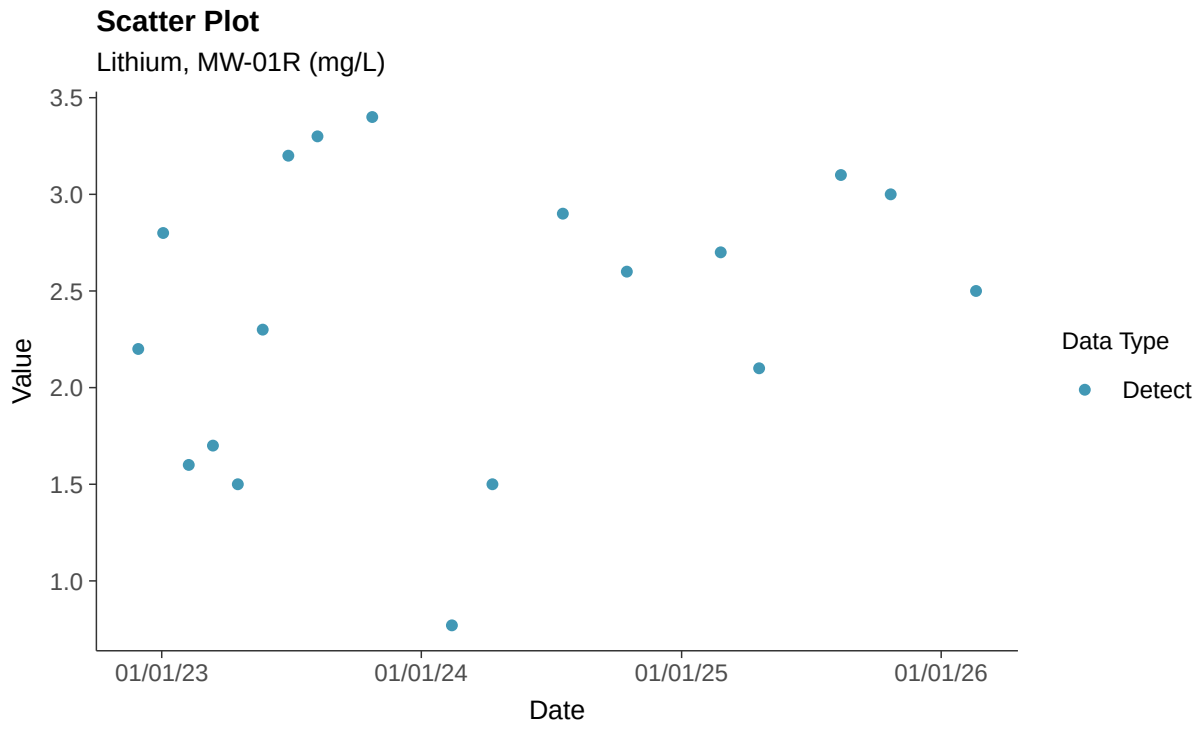
Trend Regression: Piecewise Linear-Linear-Linear

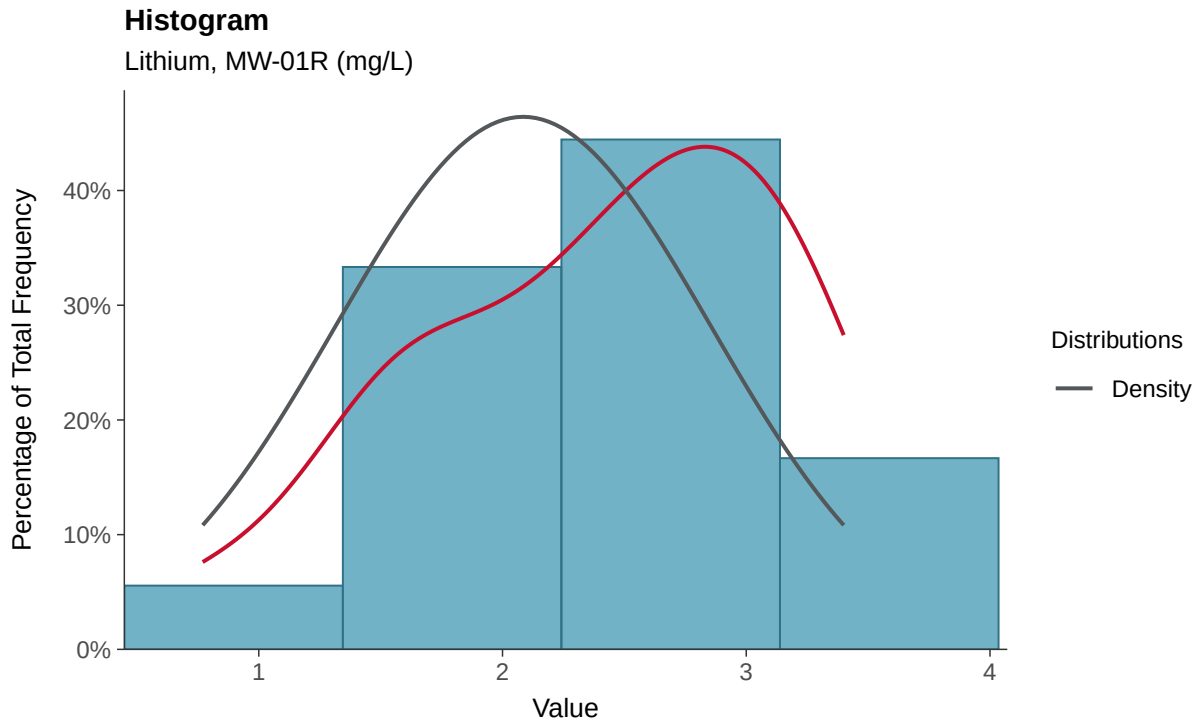
Lead, MW-01R (mg/L)



Appendix IV: Lithium, MW-01R

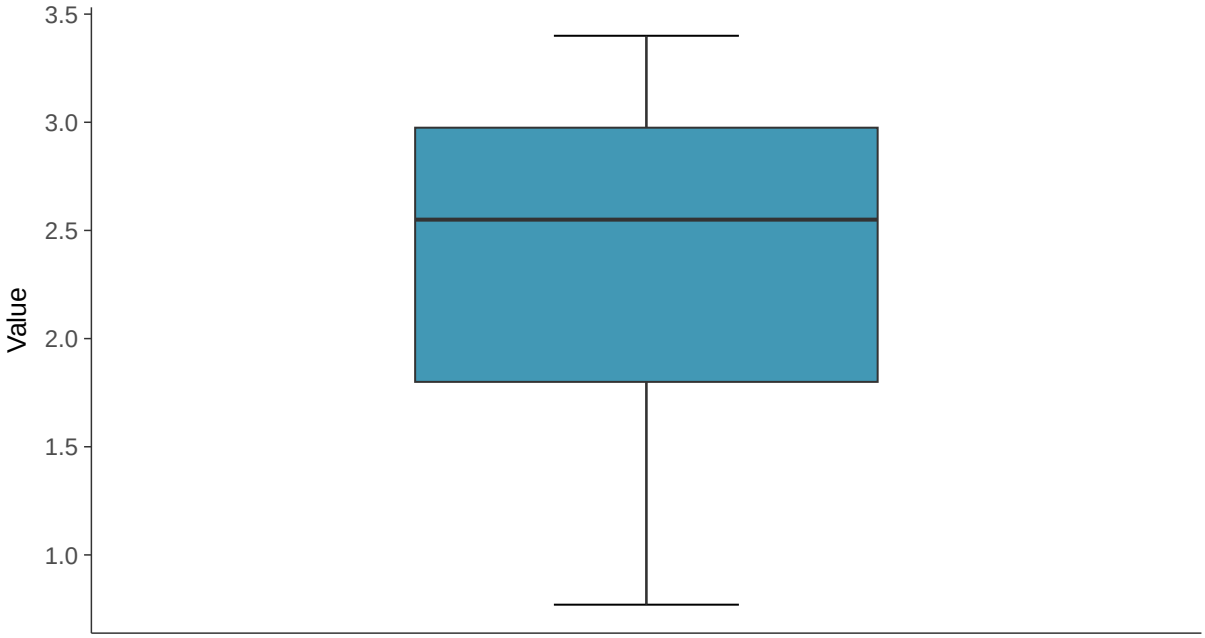
ID: 11_2_4_116





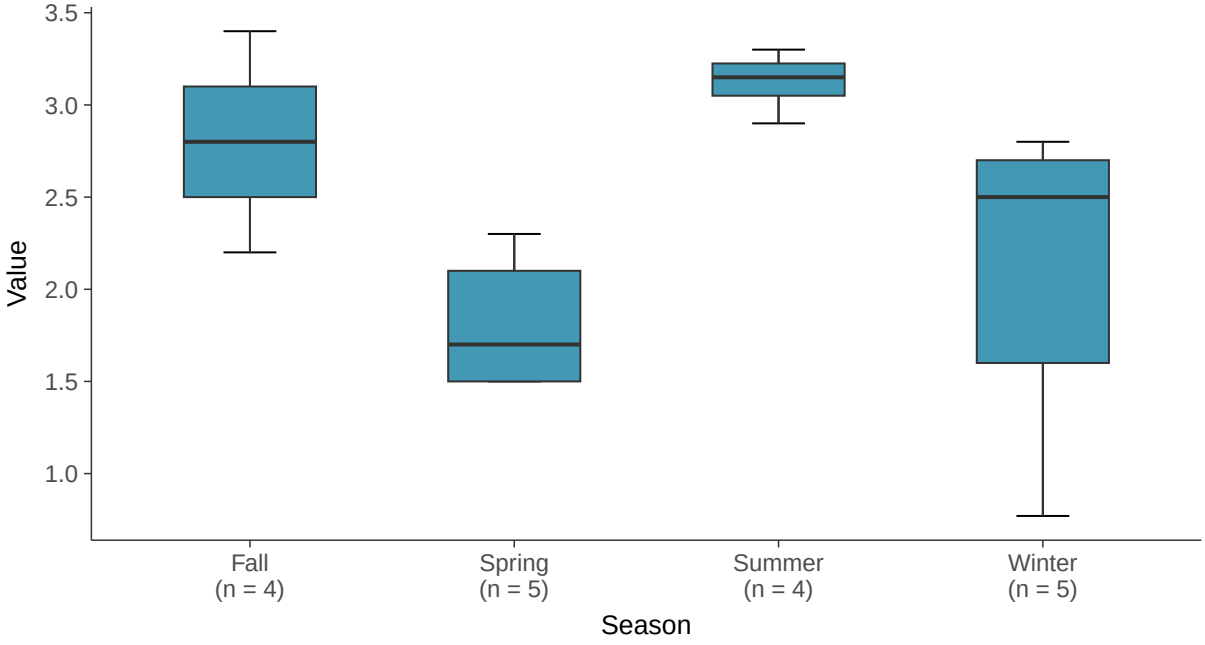
Boxplot

Lithium, MW-01R (mg/L)



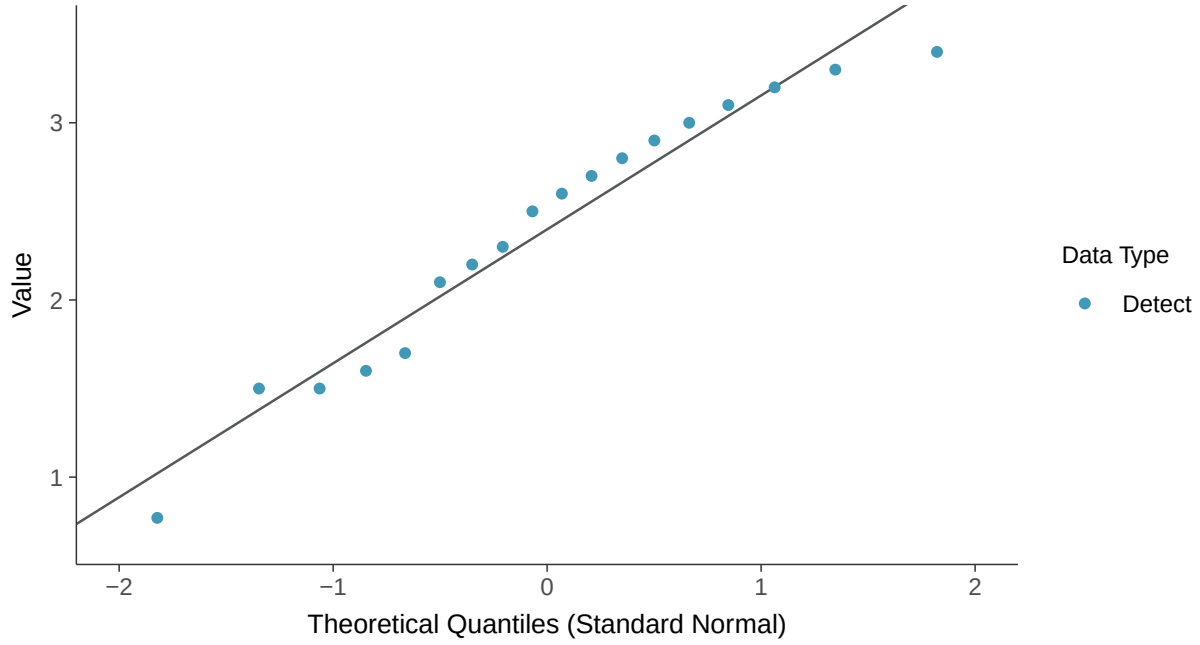
Boxplot by Season

Lithium, MW-01R (mg/L)



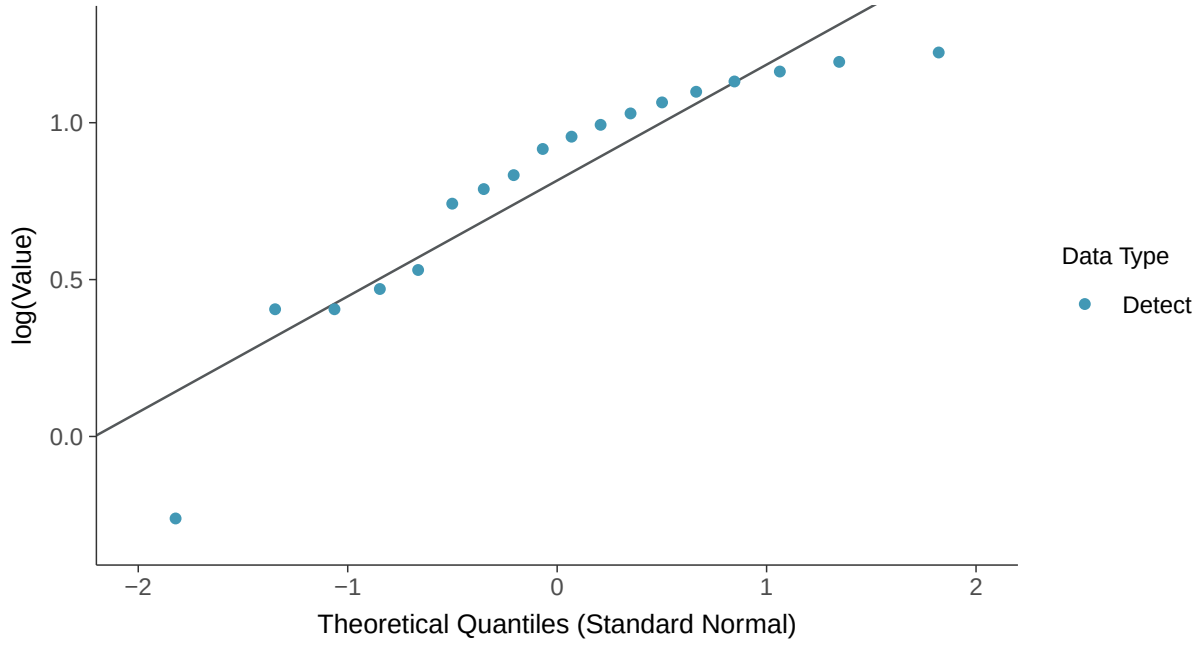
Normal Q-Q plot

Lithium, MW-01R (mg/L)



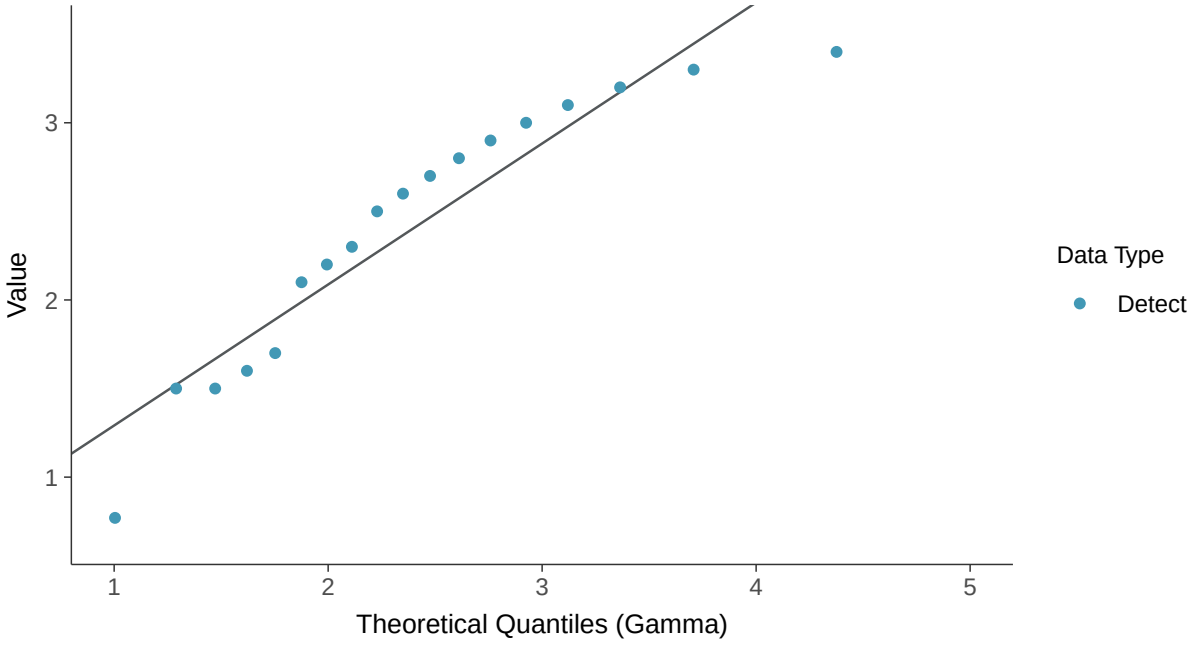
Lognormal Q-Q plot

Lithium, MW-01R (mg/L)



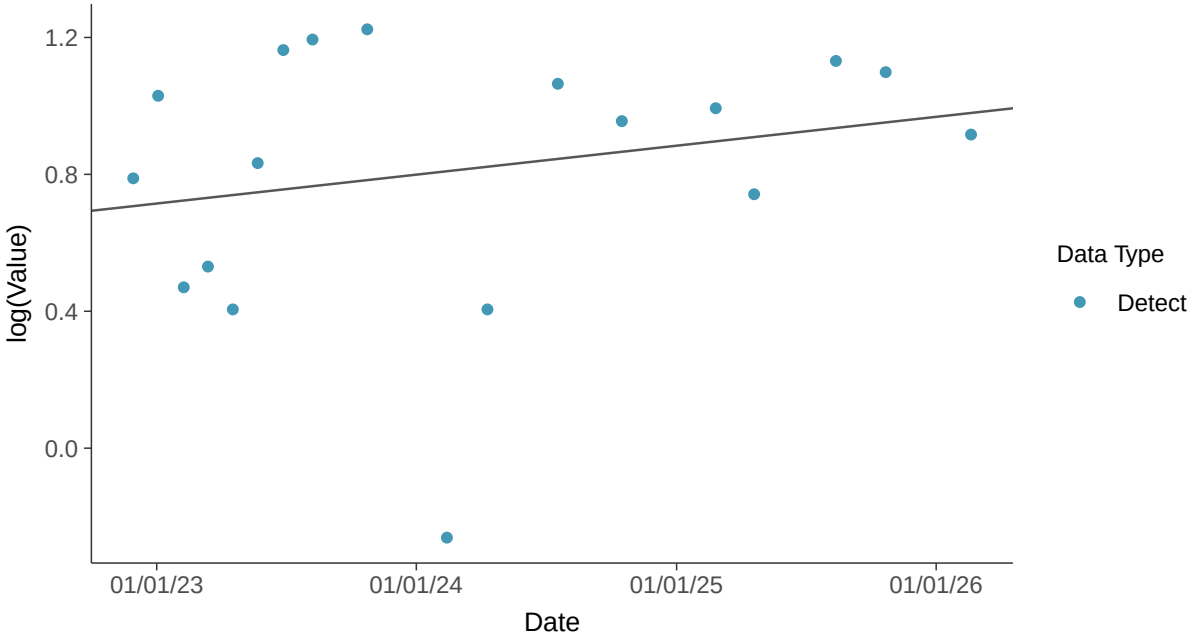
Gamma Q-Q plot

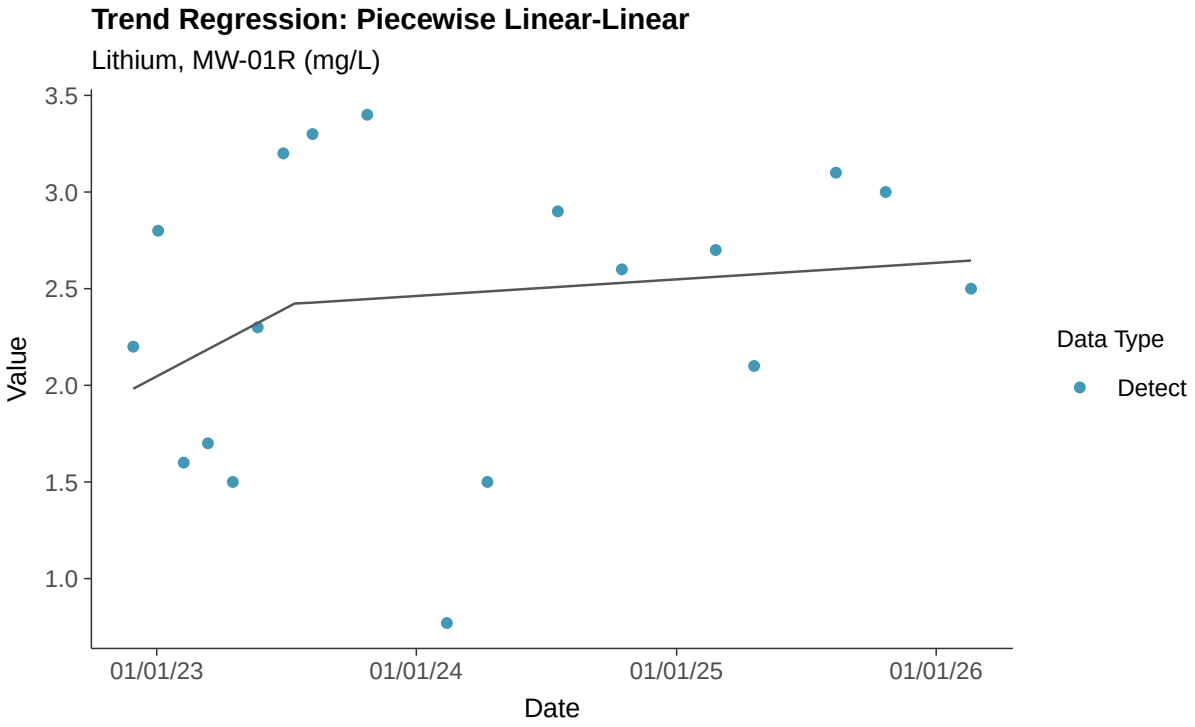
Lithium, MW-01R (mg/L)



Trend Regression: Lognormal MLE

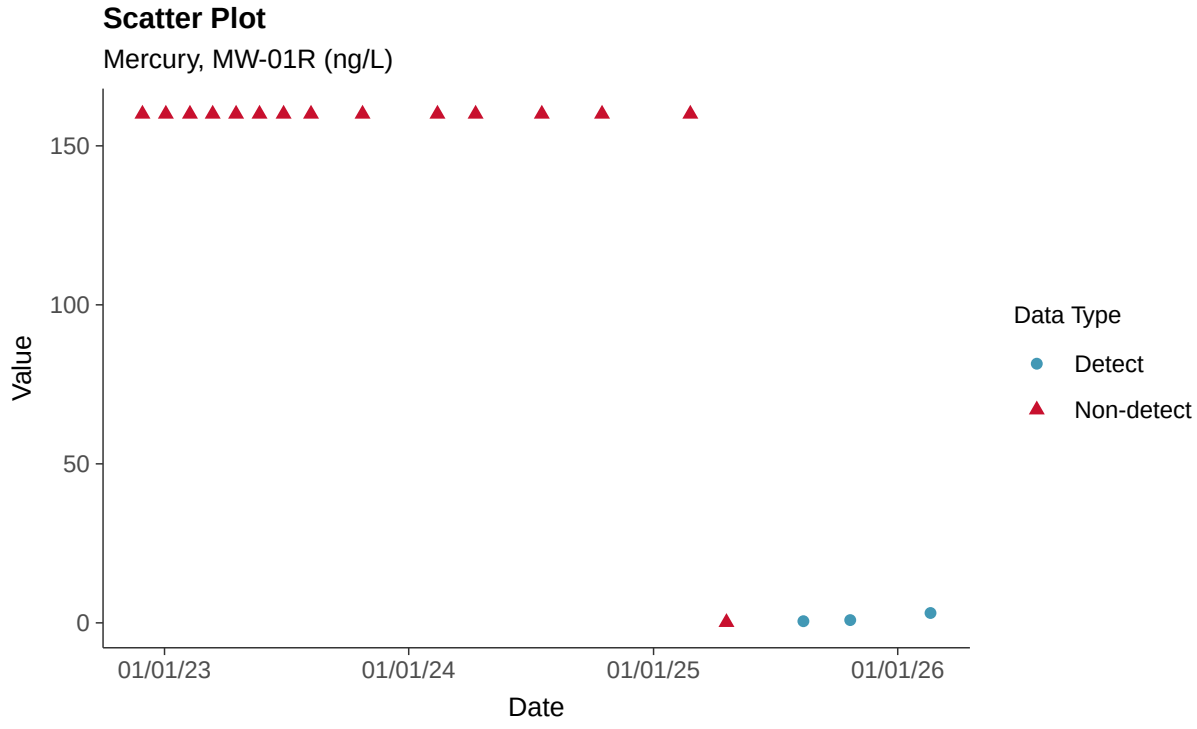
Lithium, MW-01R (mg/L)

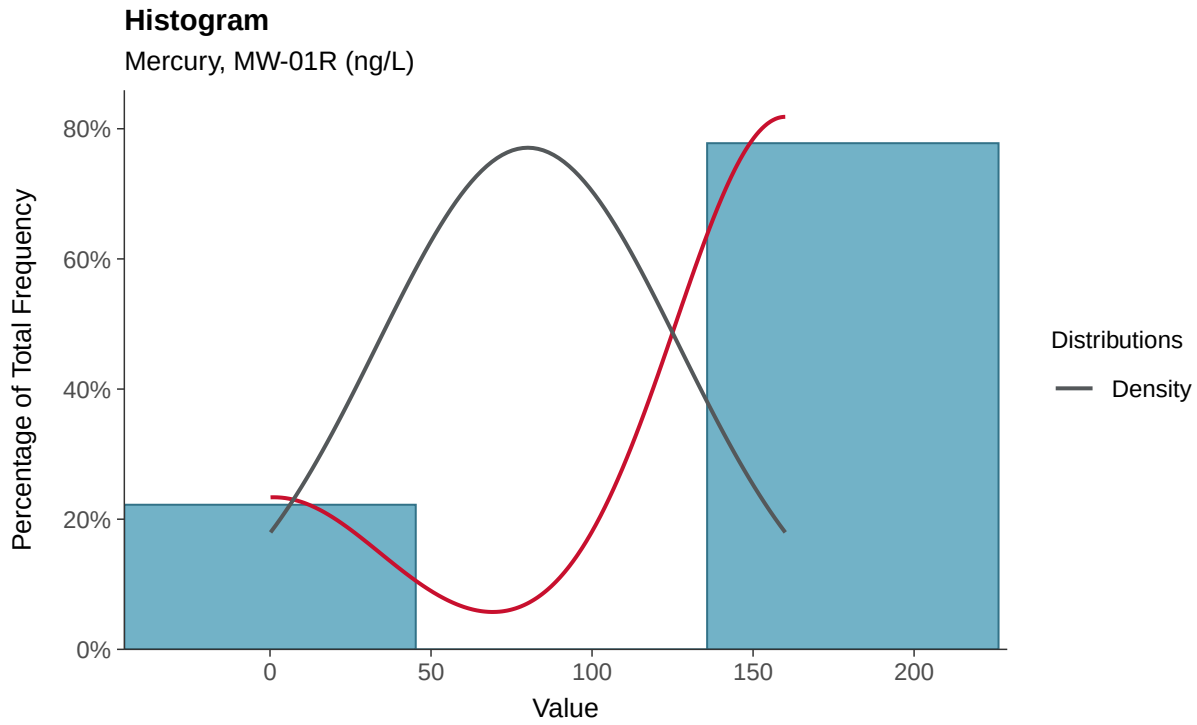



Trend Regression: Piecewise Linear-Linear
Lithium, MW-01R (mg/L)
Value
3.5
3.0
2.5
2.0
1.5
1.0
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Mercury, MW-01R

ID: 11_2_4_117



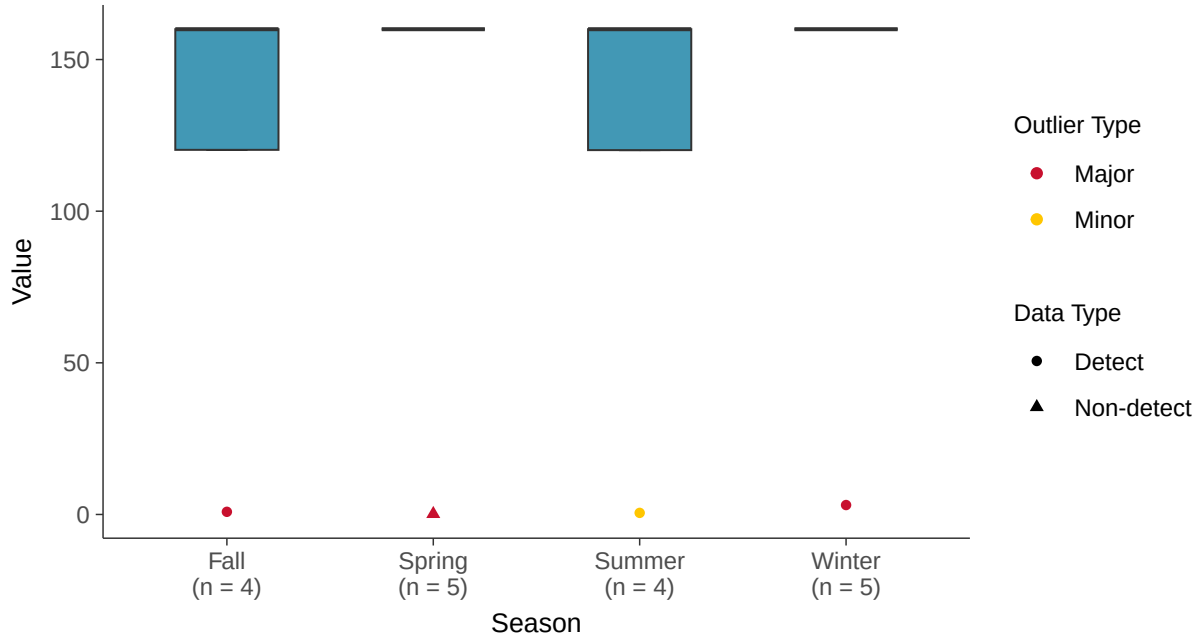


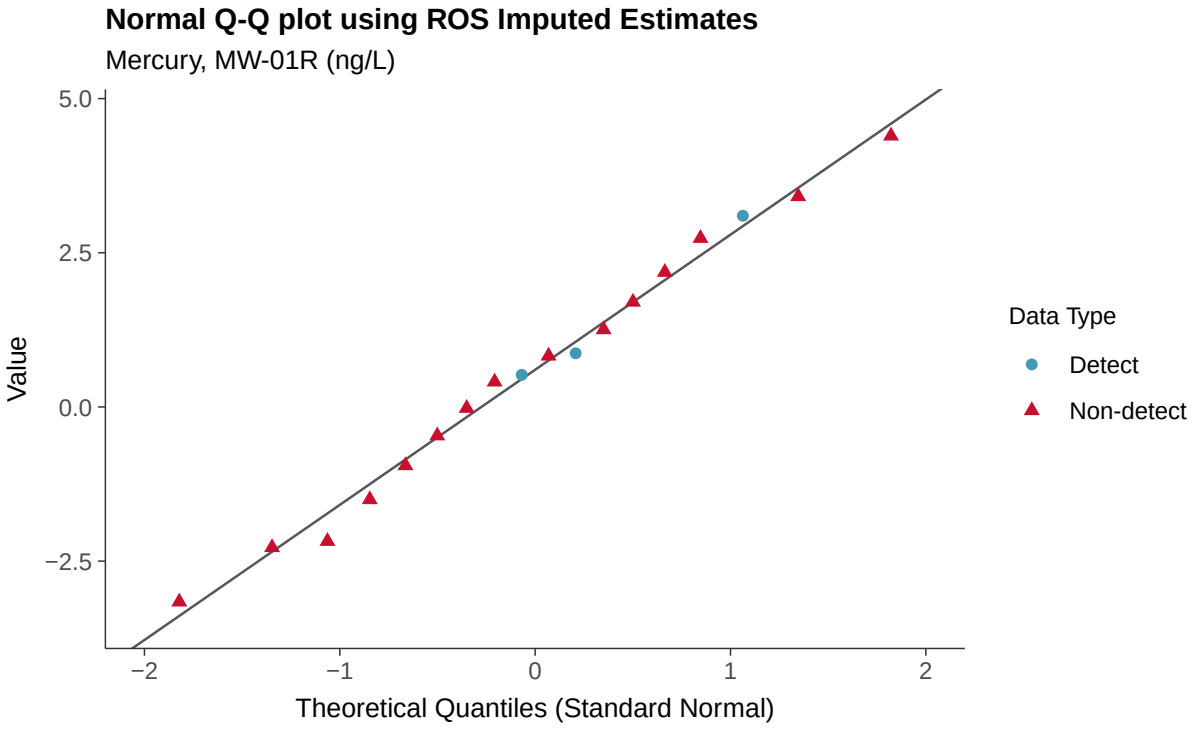
Boxplot

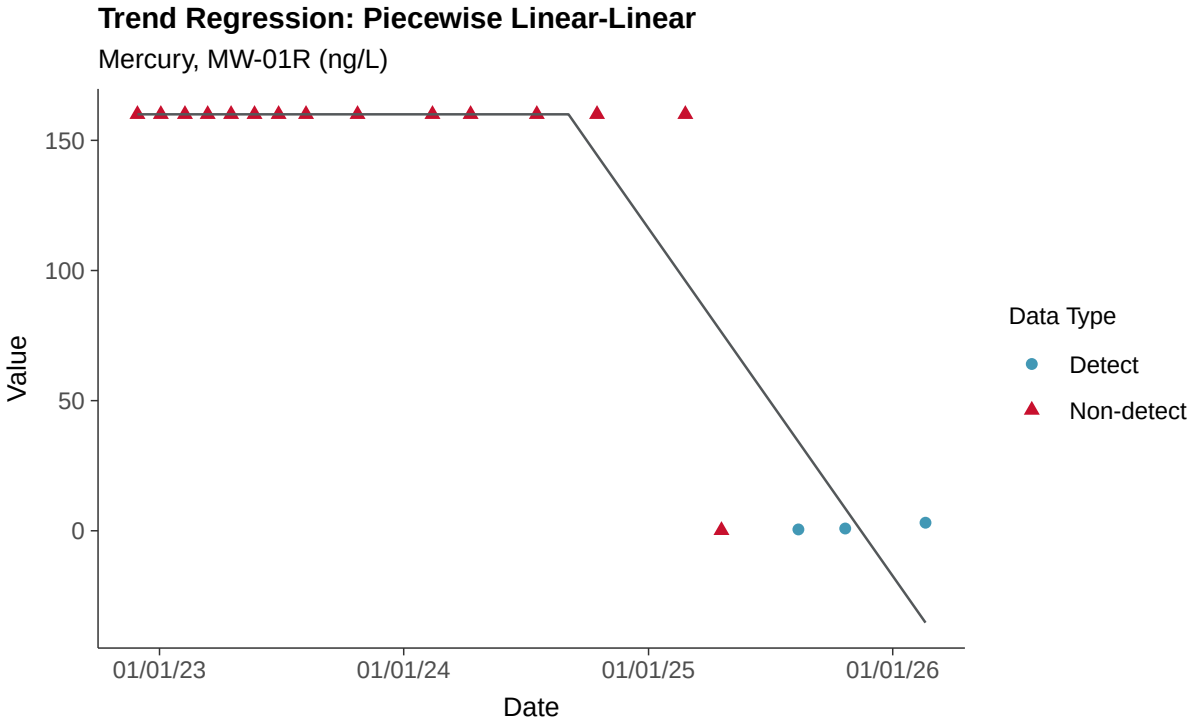
Mercury, MW-01R (ng/L)

Boxplot by Season

Mercury, MW-01R (ng/L)

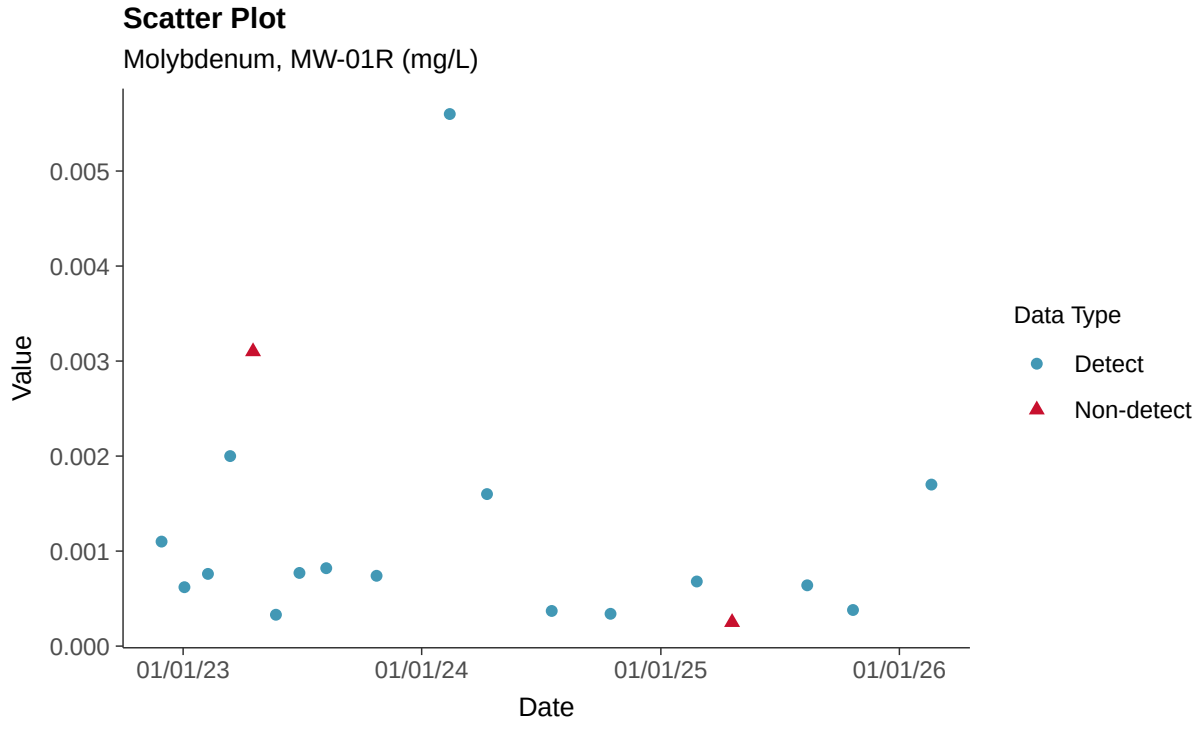


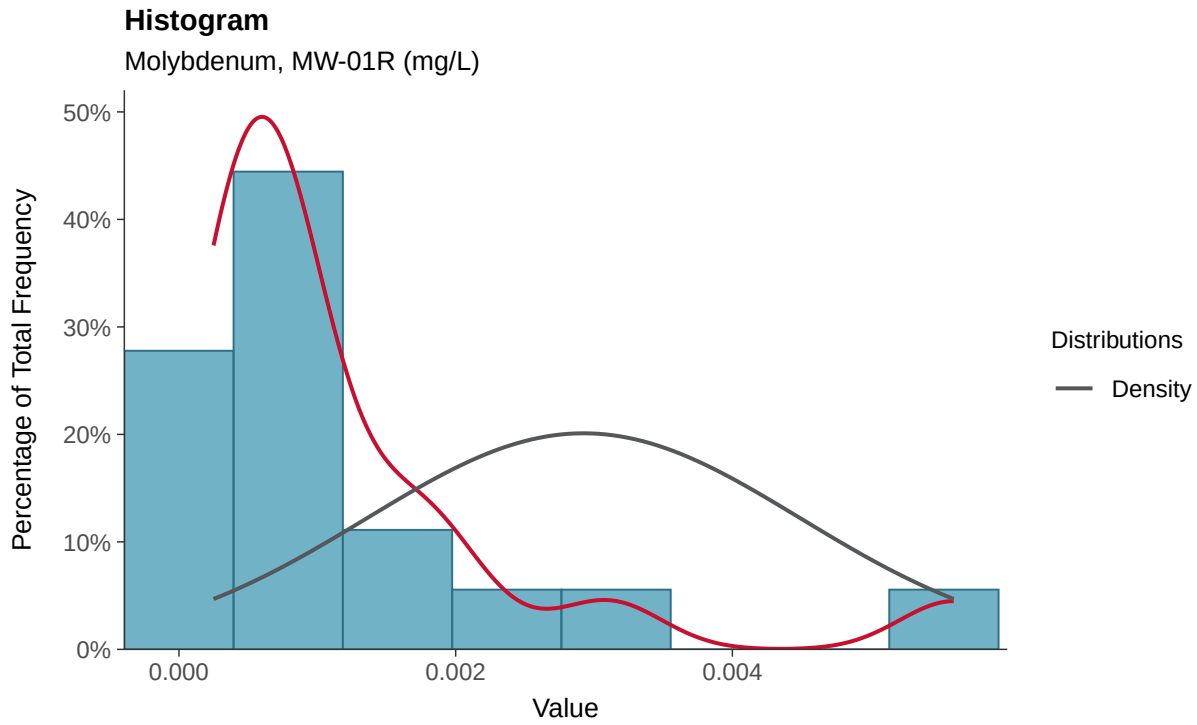

Normal Q-Q plot using ROS Imputed Estimates
Mercury, MW-01R (ng/L)
Value
5.0
2.5
0.0
−2.5
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect
Non-detect


Trend Regression: Piecewise Linear-Linear
Mercury, MW-01R (ng/L)
Value
150
100
50
0
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Molybdenum, MW-01R

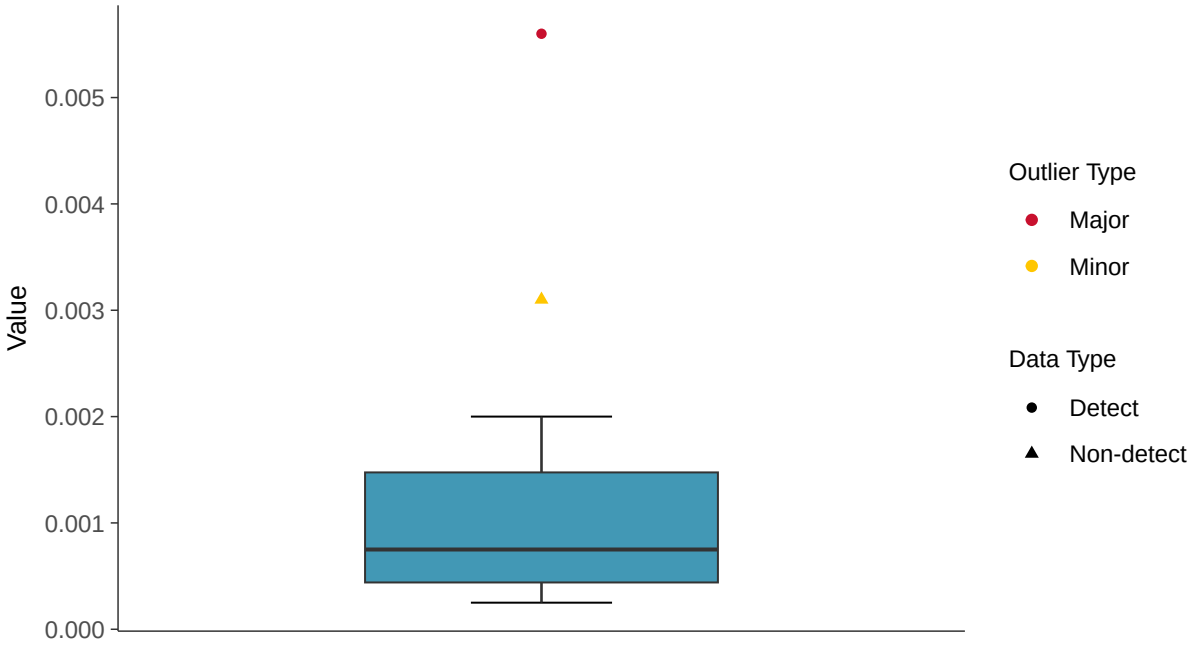
ID: 11_2_4_118





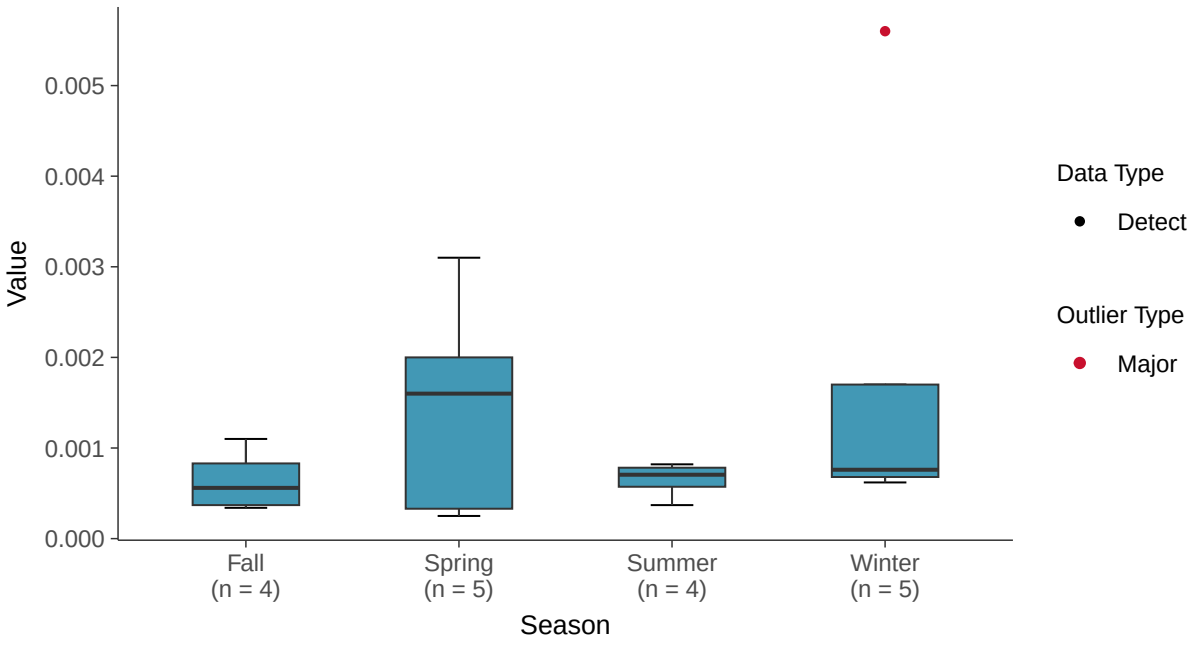
Boxplot

Molybdenum, MW-01R (mg/L)



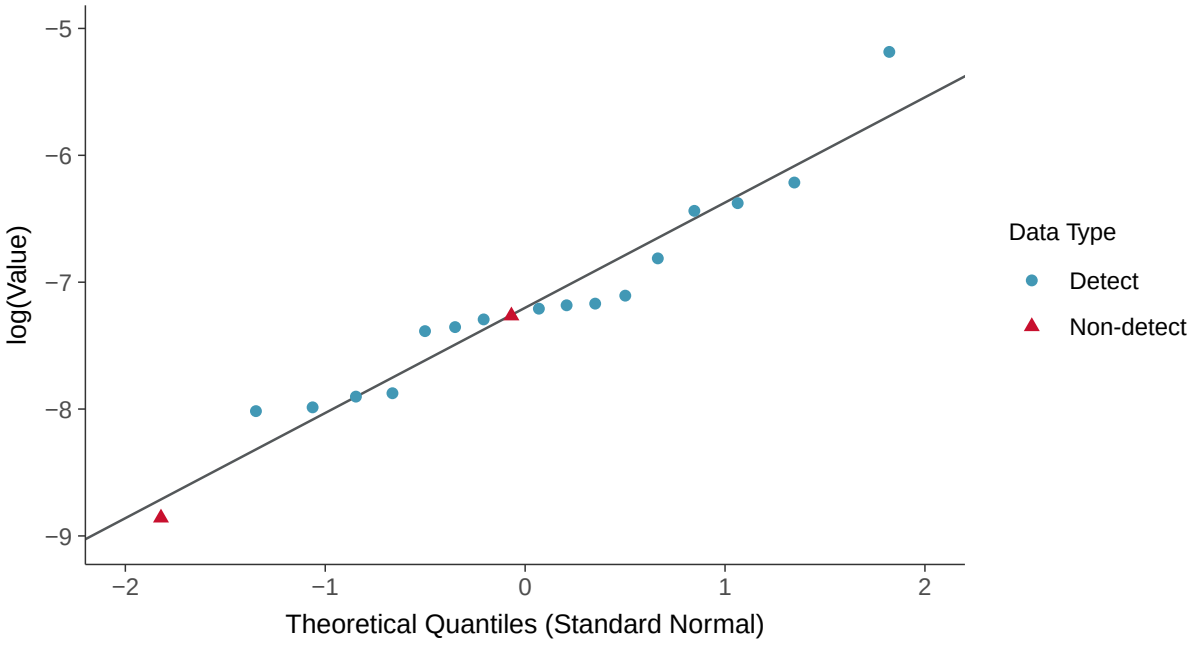
Boxplot by Season

Molybdenum, MW-01R (mg/L)



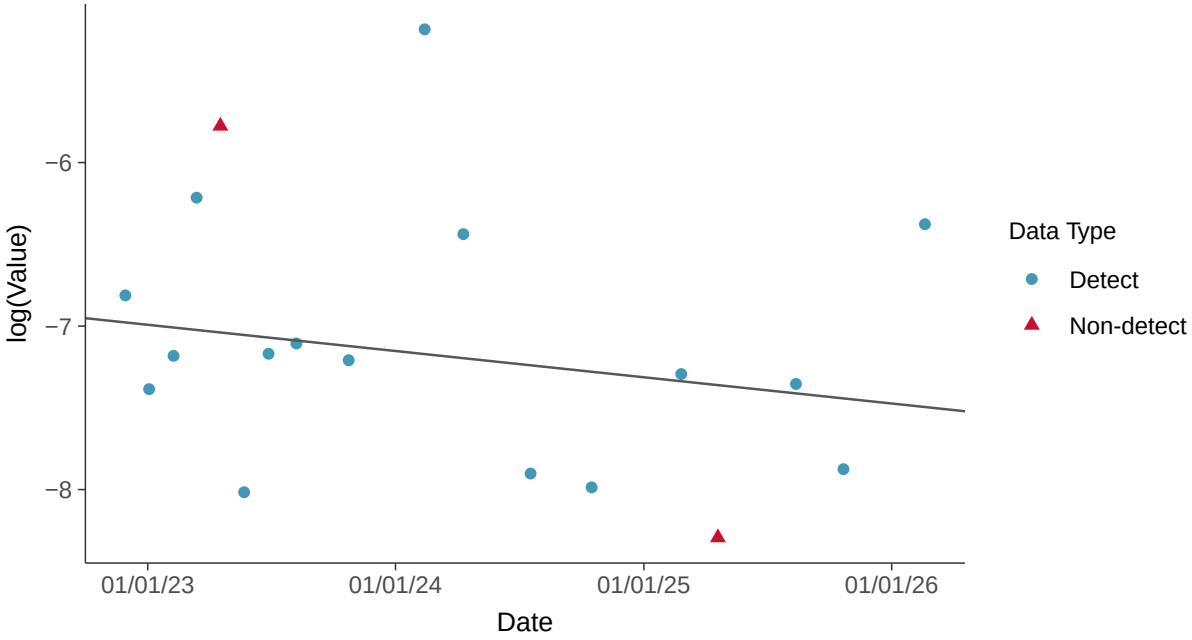
Lognormal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-01R (mg/L)



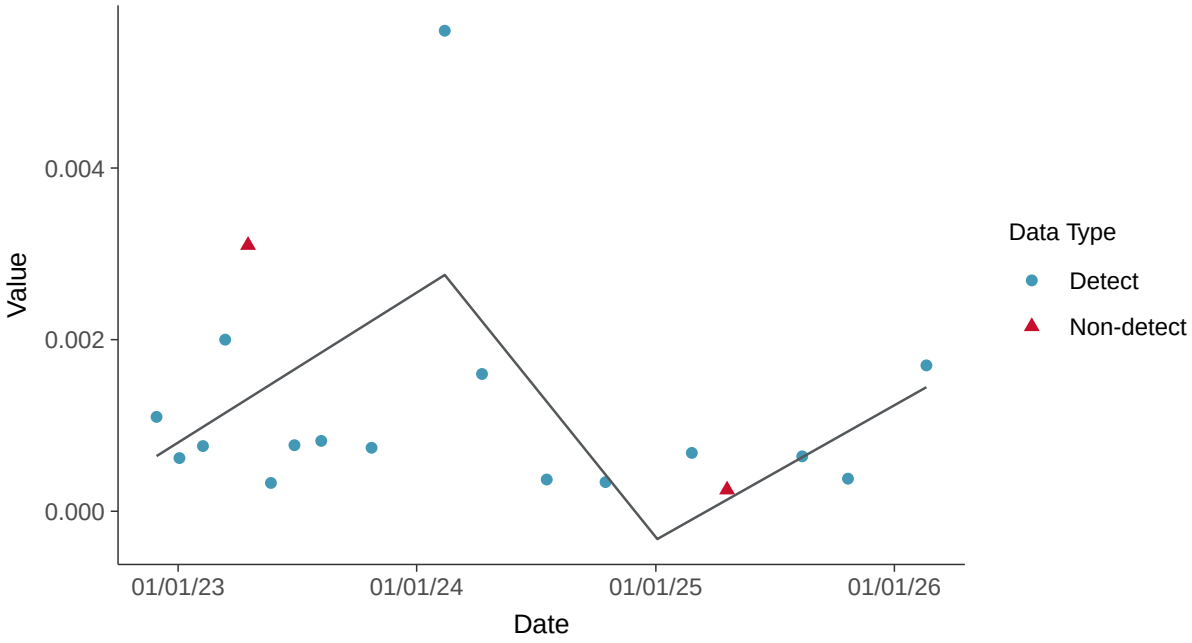
Trend Regression: Lognormal MLE

Molybdenum, MW-01R (mg/L)



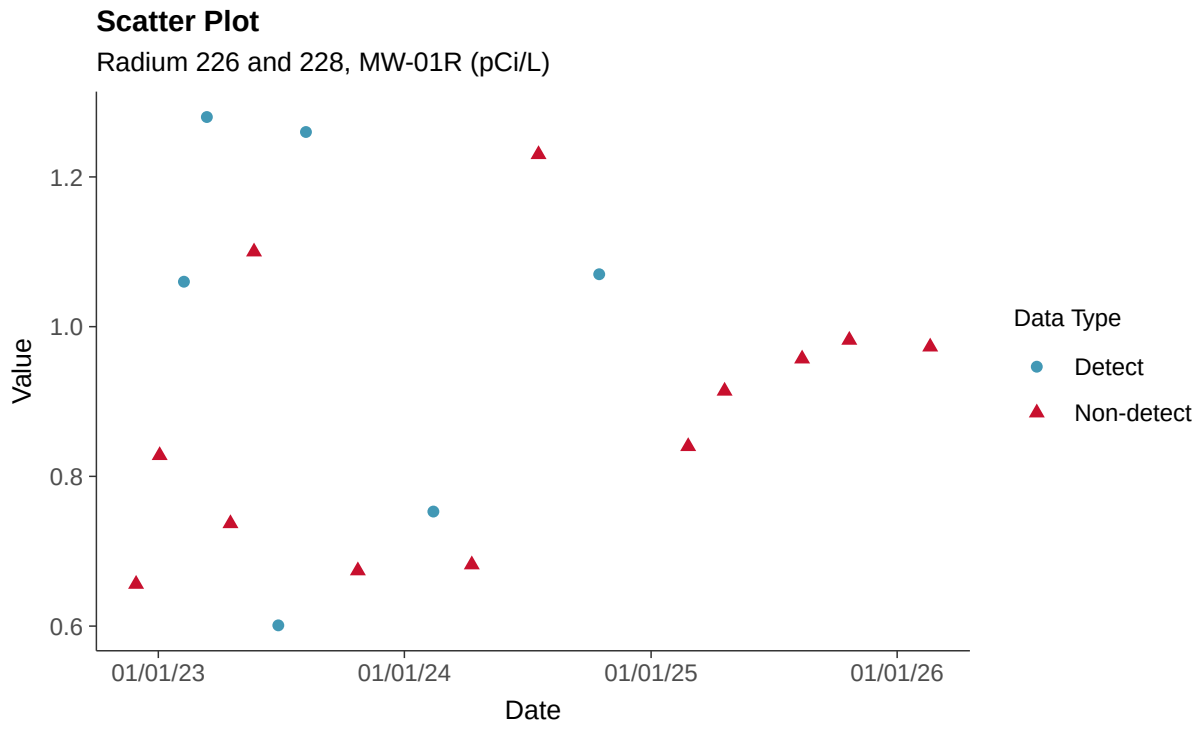
Trend Regression: Piecewise Linear-Linear-Linear

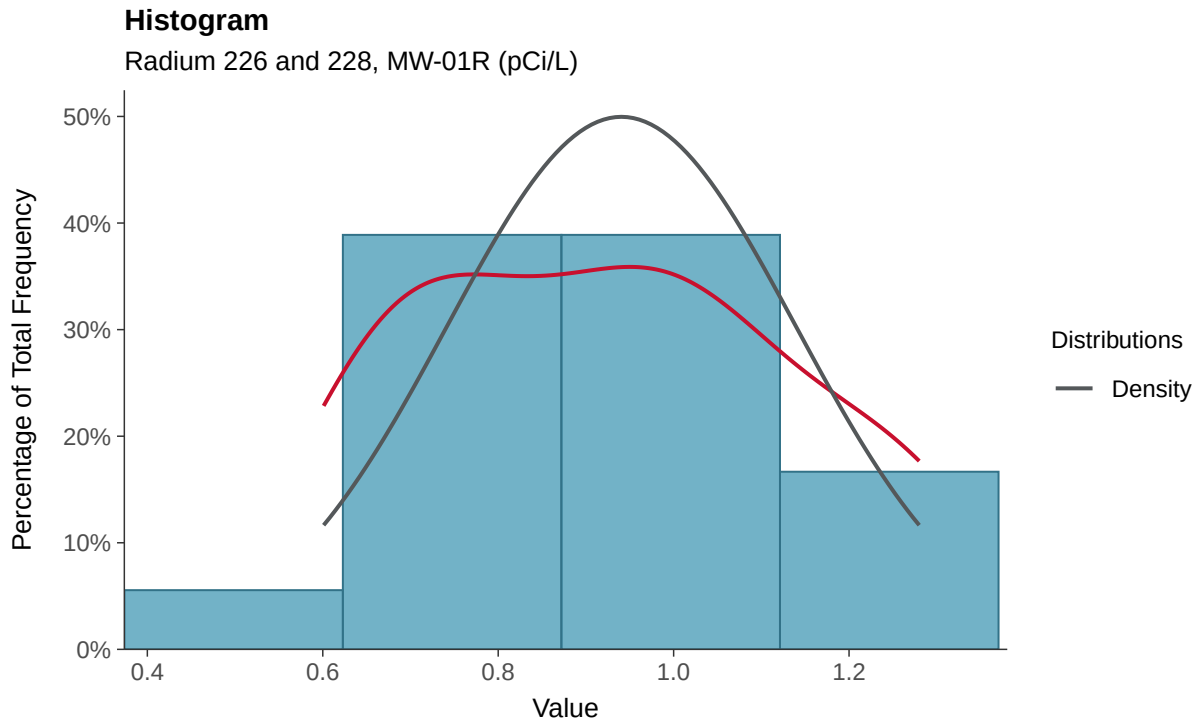
Molybdenum, MW-01R (mg/L)



Appendix IV: Radium 226 and 228, MW-01R

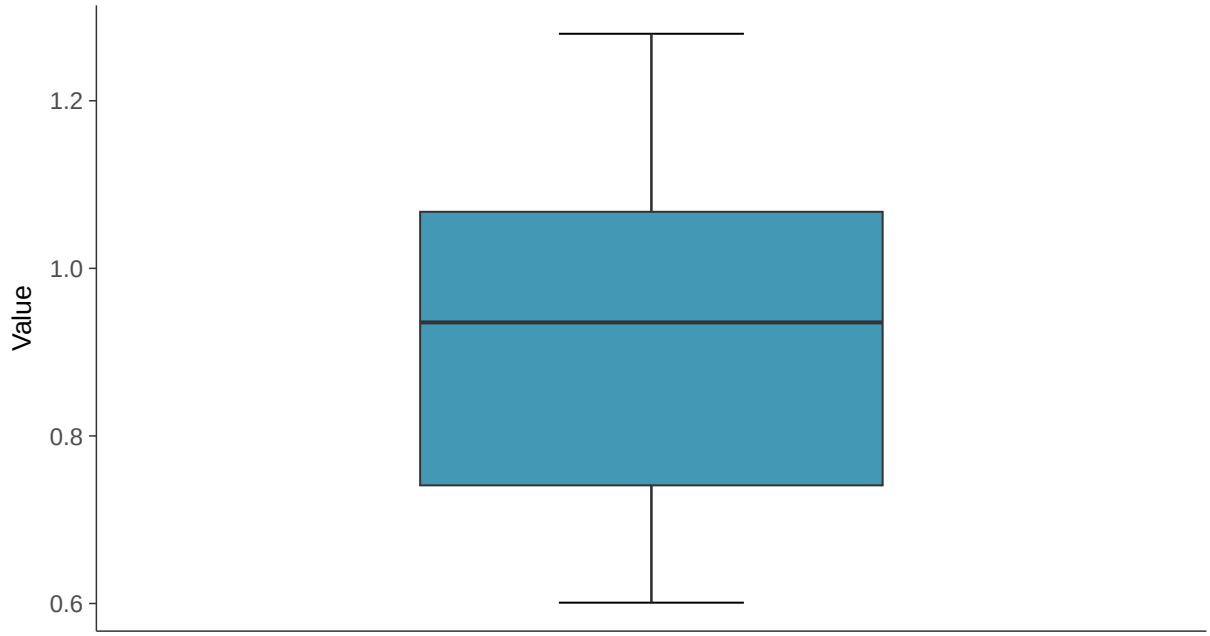
ID: 11_2_4_121





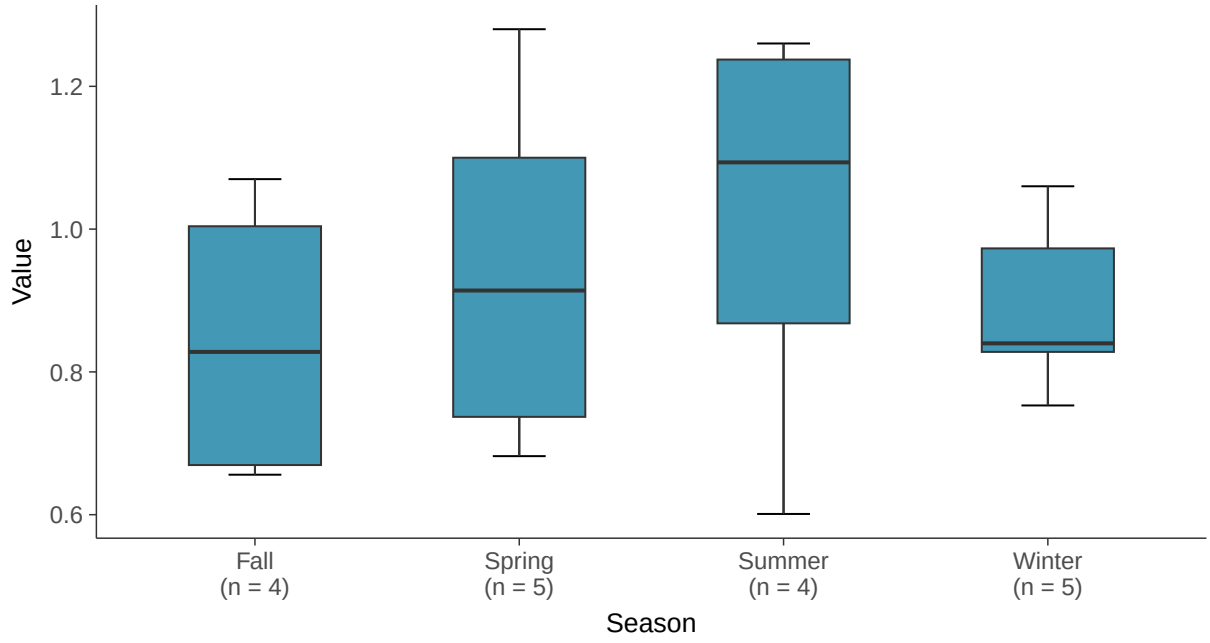
Boxplot

Radium 226 and 228, MW-01R (pCi/L)



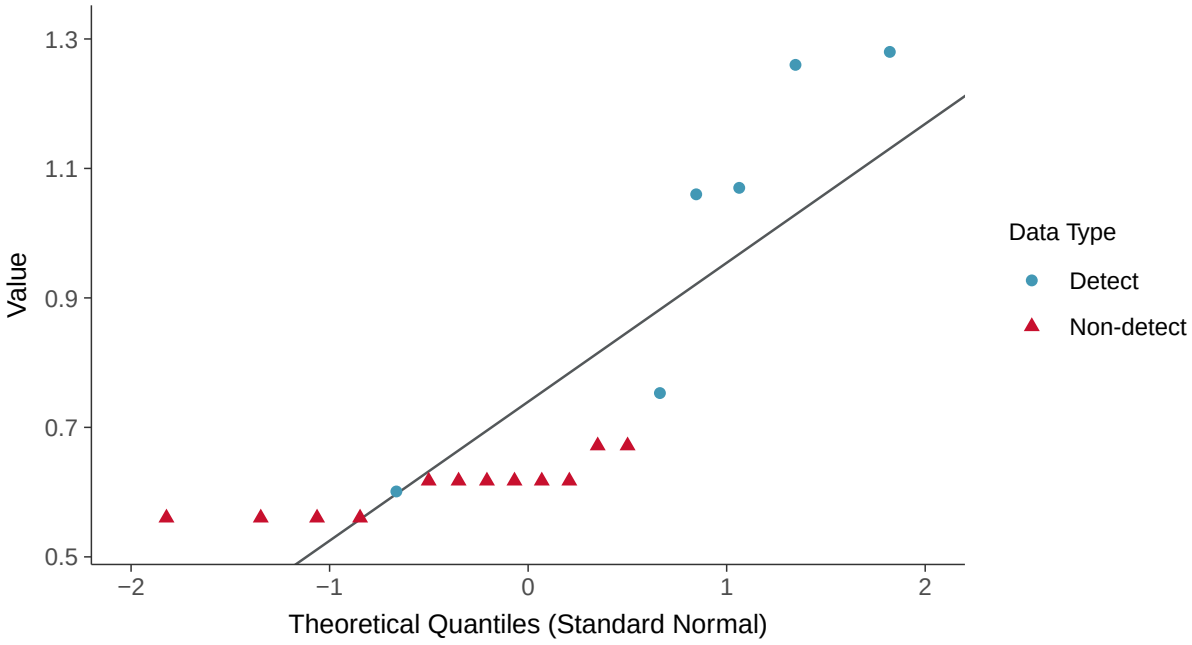
Boxplot by Season

Radium 226 and 228, MW-01R (pCi/L)



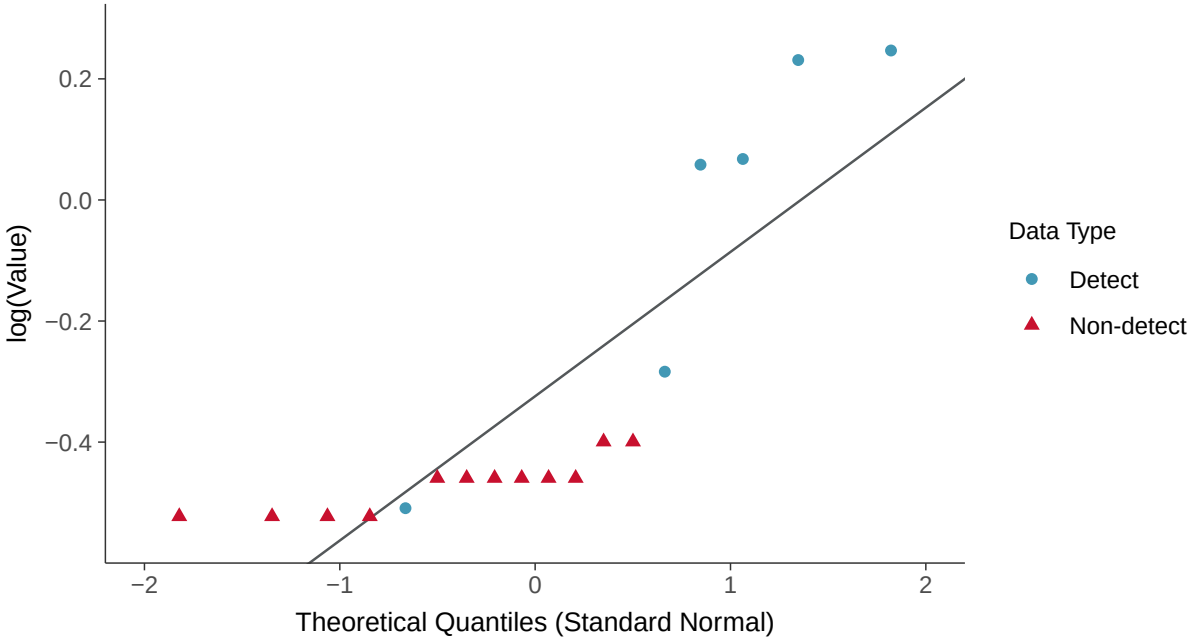
Normal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-01R (pCi/L)



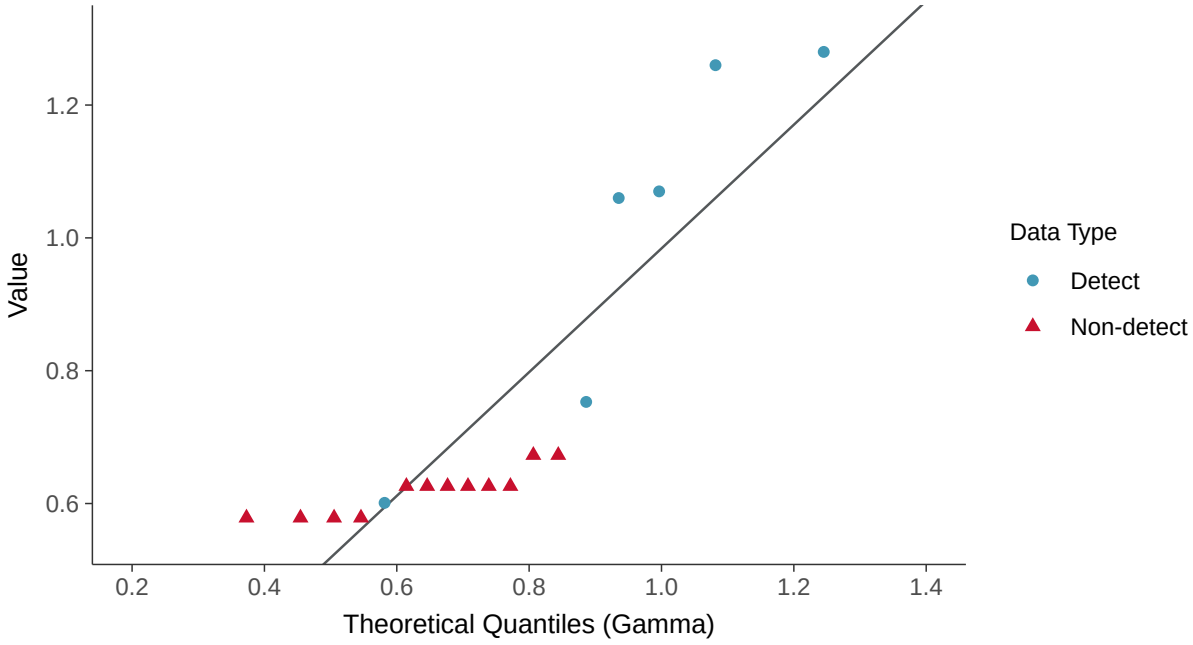
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-01R (pCi/L)



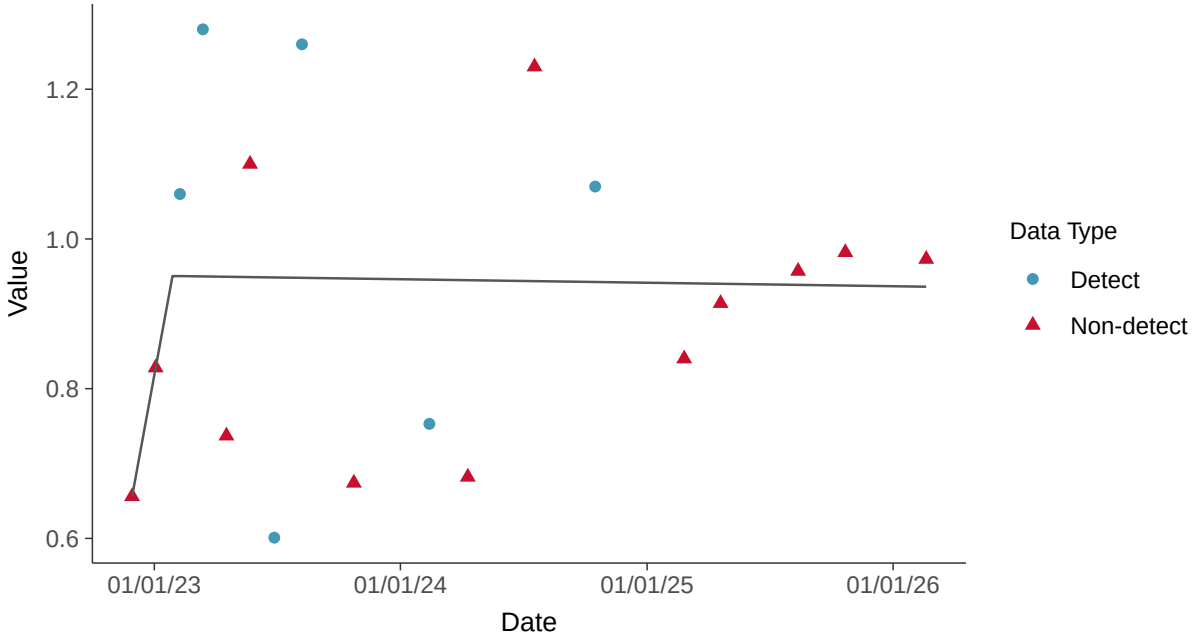
Gamma Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-01R (pCi/L)



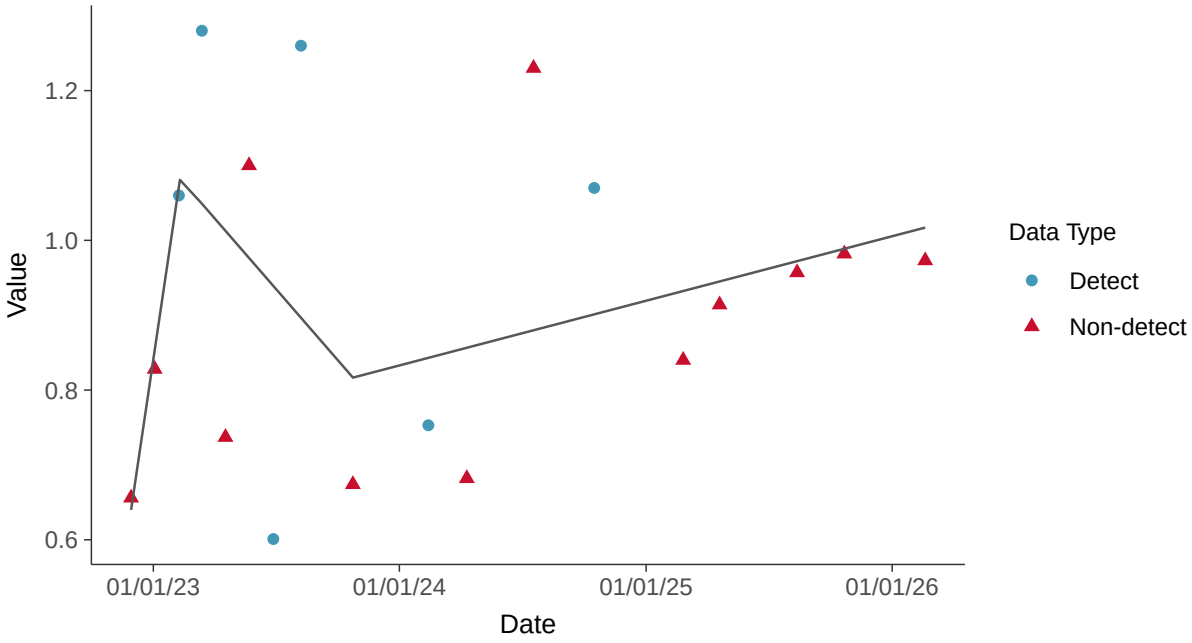
Trend Regression: Piecewise Linear-Linear

Radium 226 and 228, MW-01R (pCi/L)



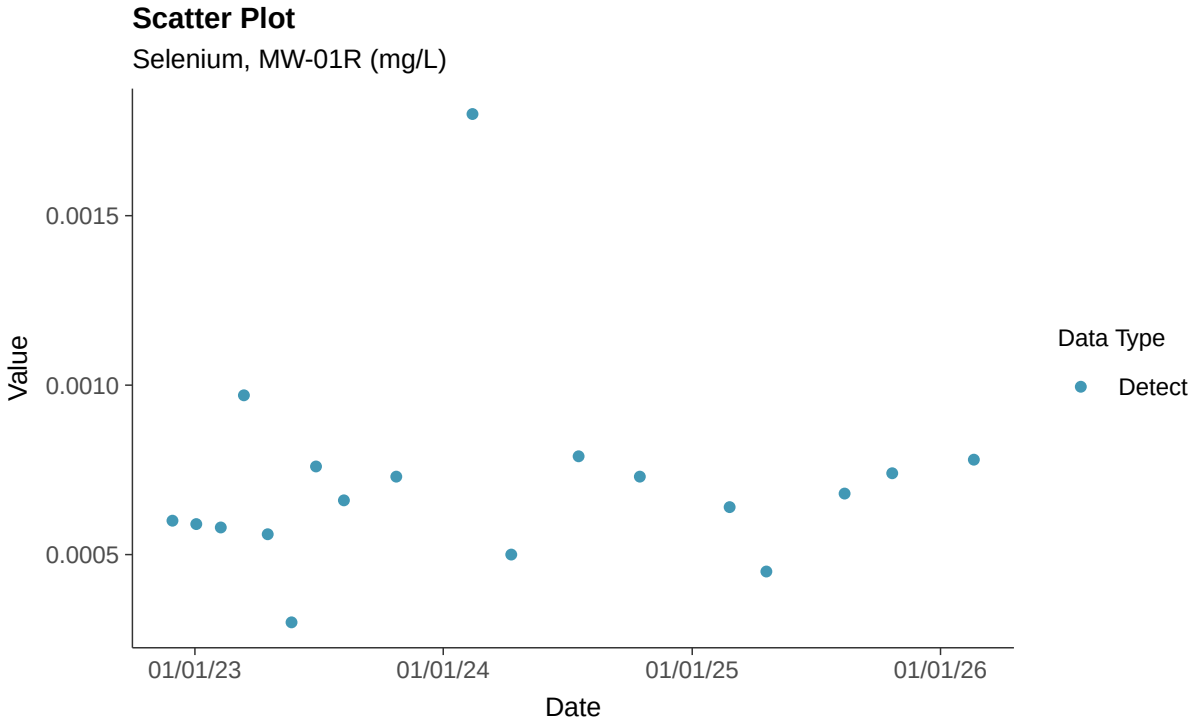
Trend Regression: Piecewise Linear-Linear-Linear

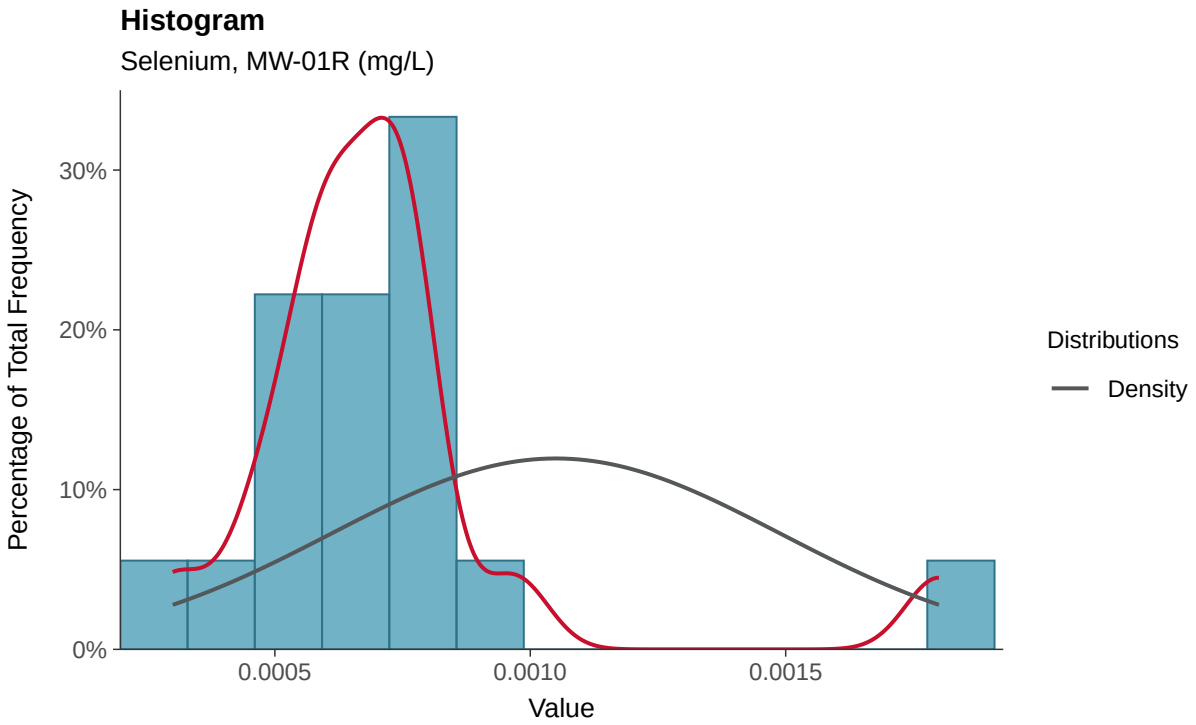
Radium 226 and 228, MW-01R (pCi/L)



Appendix IV: Selenium, MW-01R

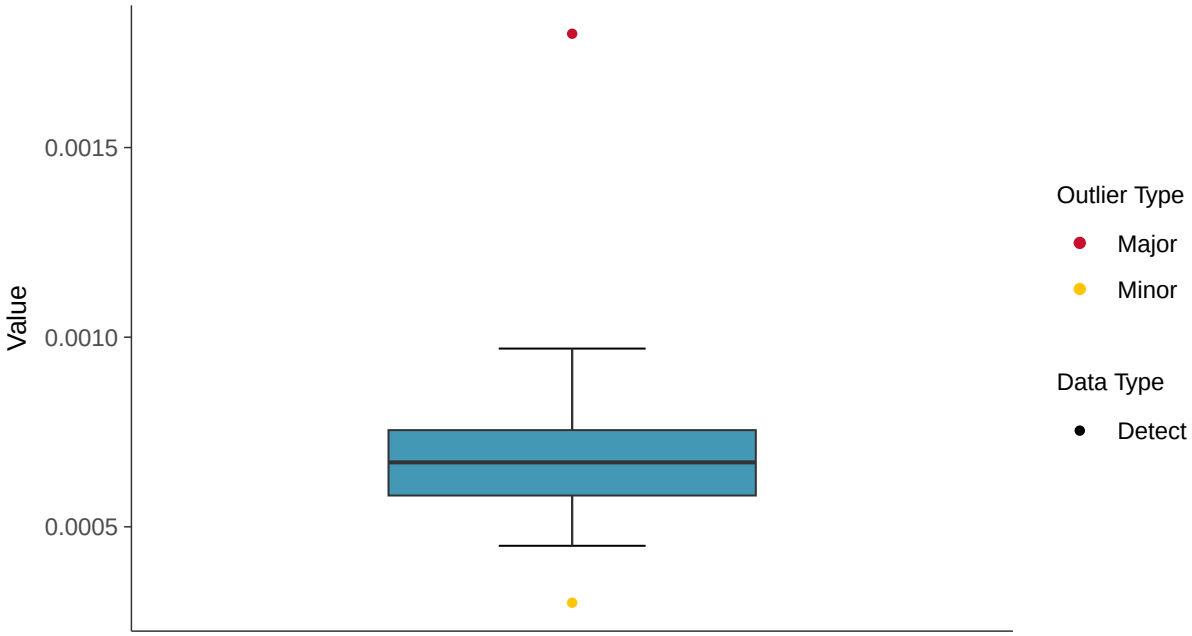
ID: 11_2_4_122





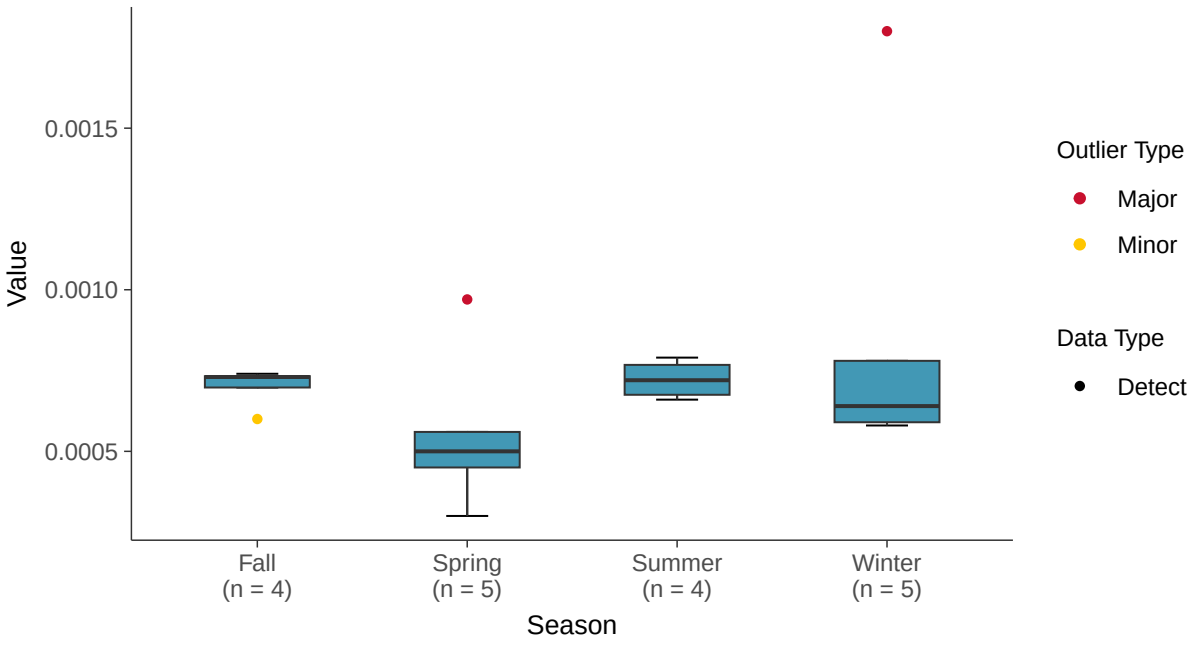
Boxplot

Selenium, MW-01R (mg/L)



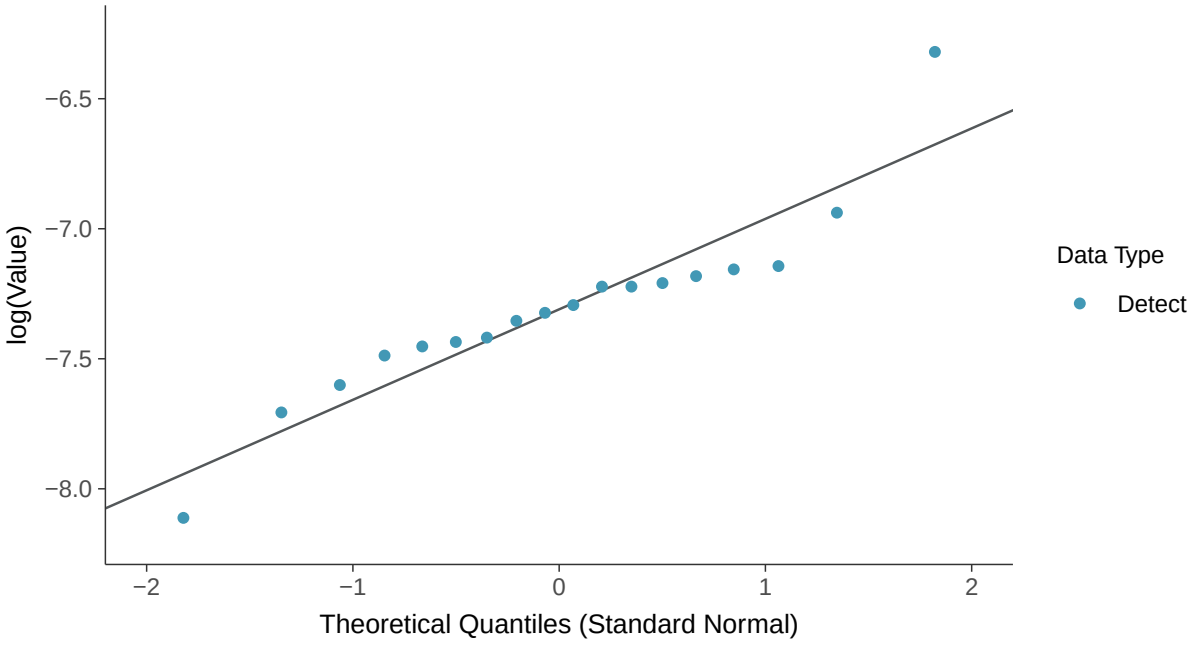
Boxplot by Season

Selenium, MW-01R (mg/L)



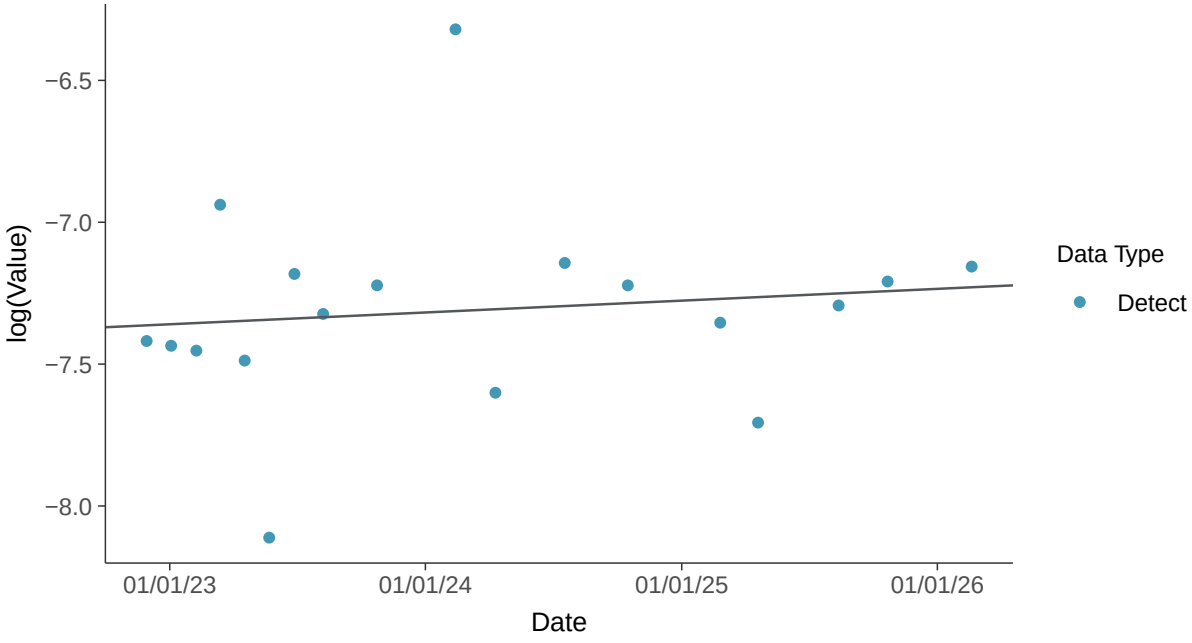
Lognormal Q-Q plot

Selenium, MW-01R (mg/L)



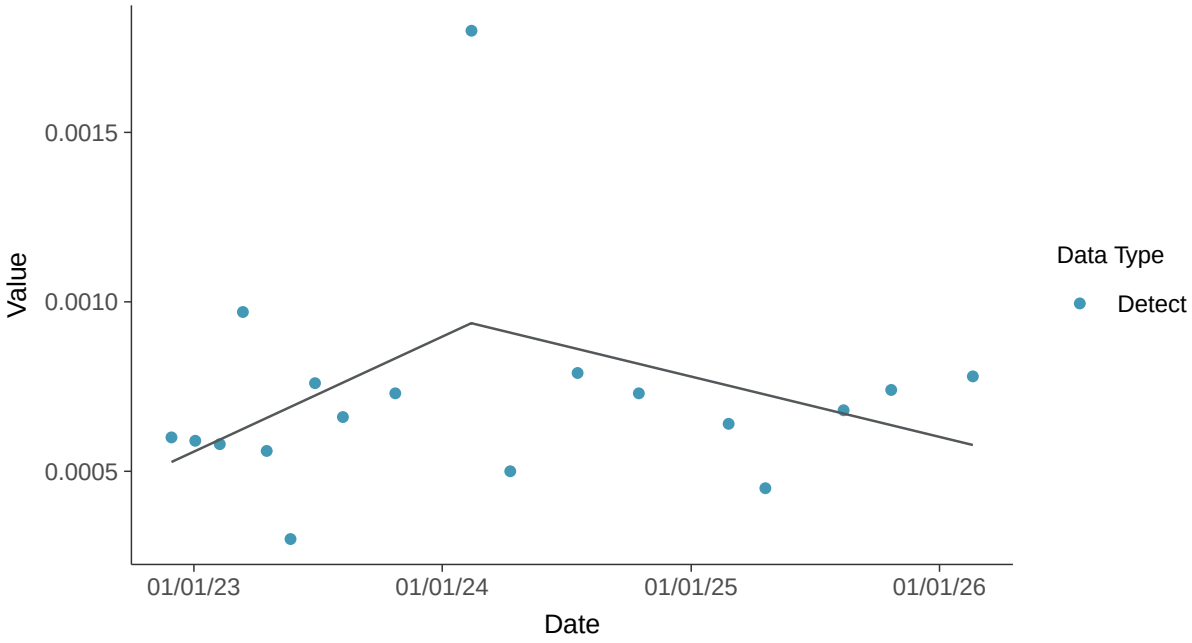
Trend Regression: Lognormal MLE

Selenium, MW-01R (mg/L)



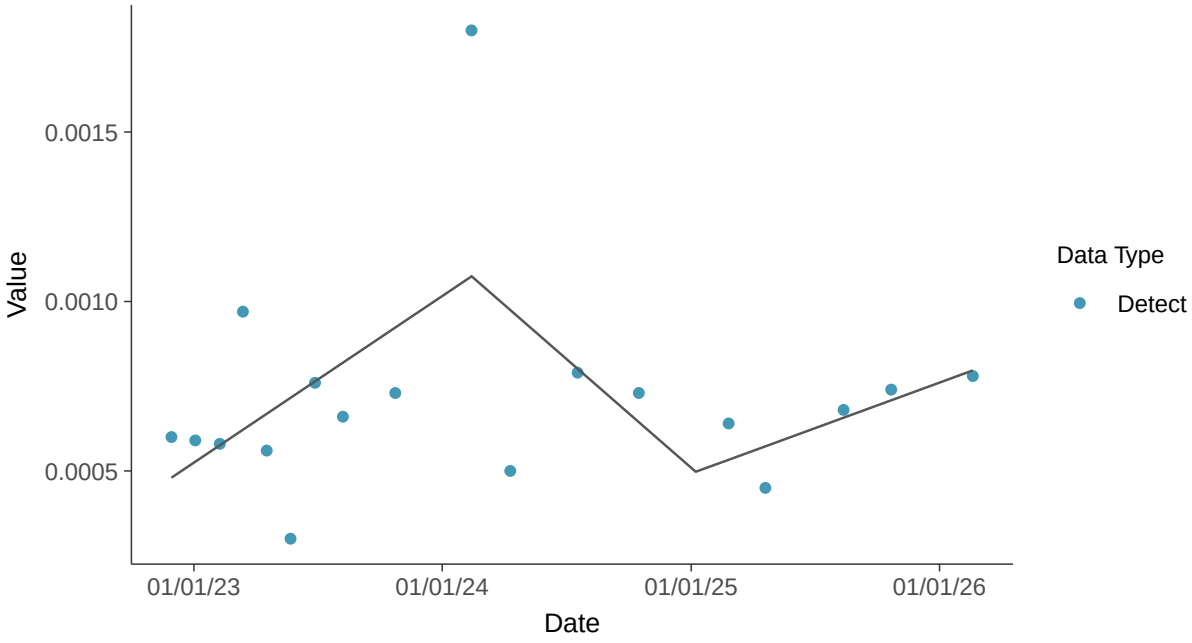
Trend Regression: Piecewise Linear-Linear

Selenium, MW-01R (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Selenium, MW-01R (mg/L)

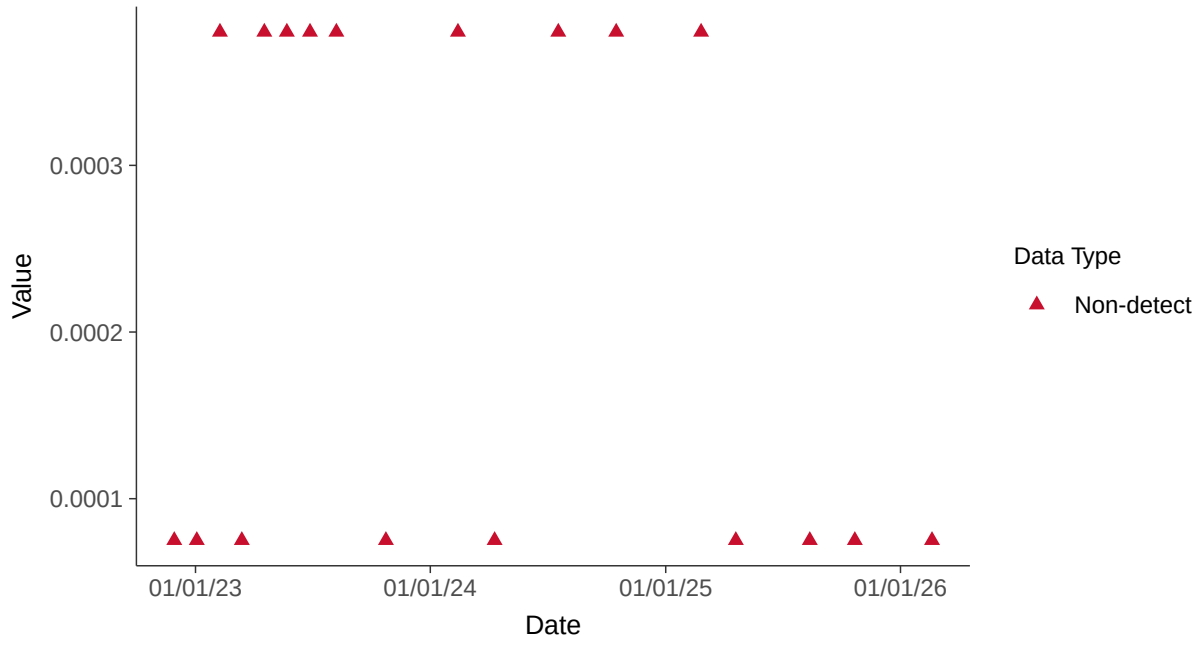


Appendix IV: Thallium, MW-01R

ID: 11_2_4_125

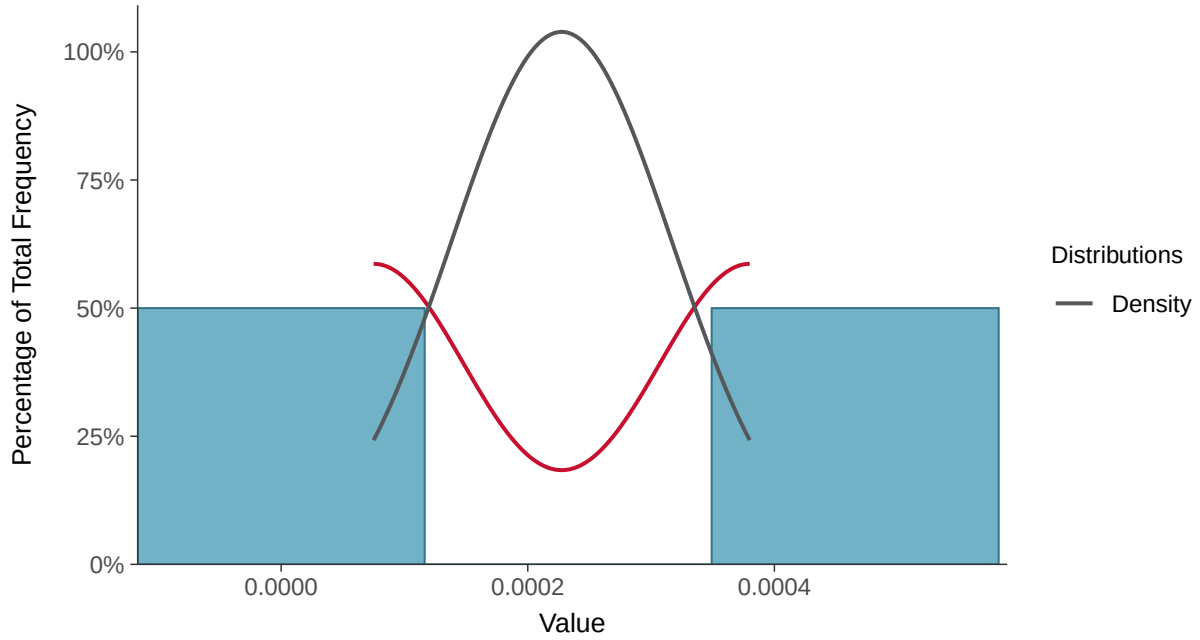
Scatter Plot

Thallium, MW-01R (mg/L)



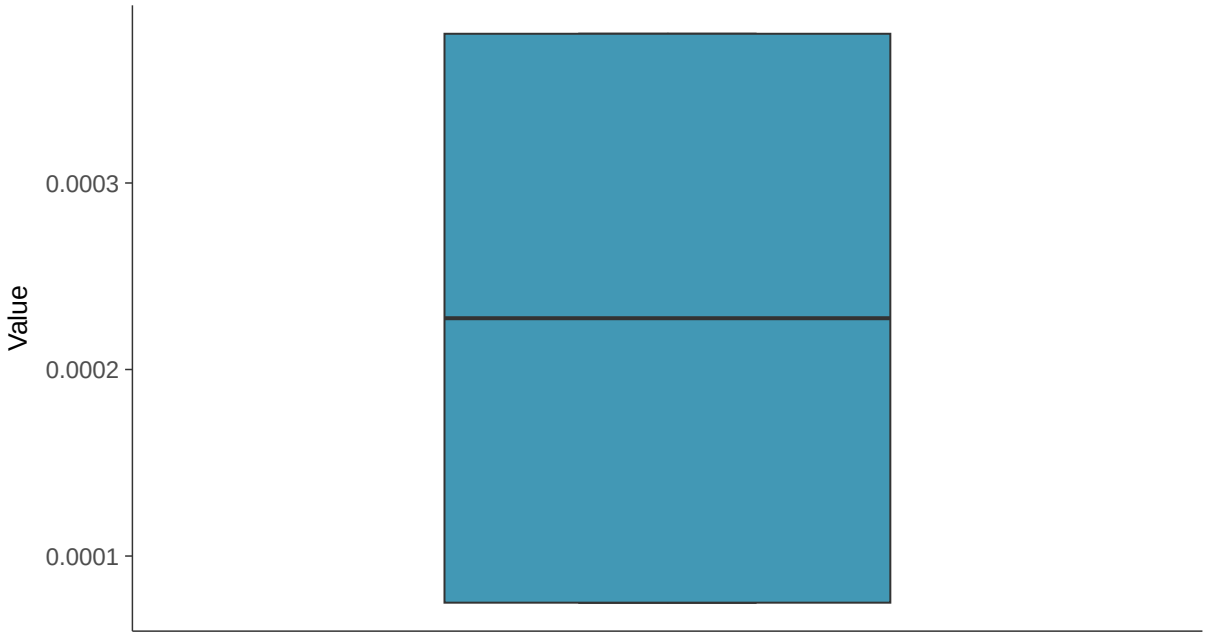
Histogram

Thallium, MW-01R (mg/L)



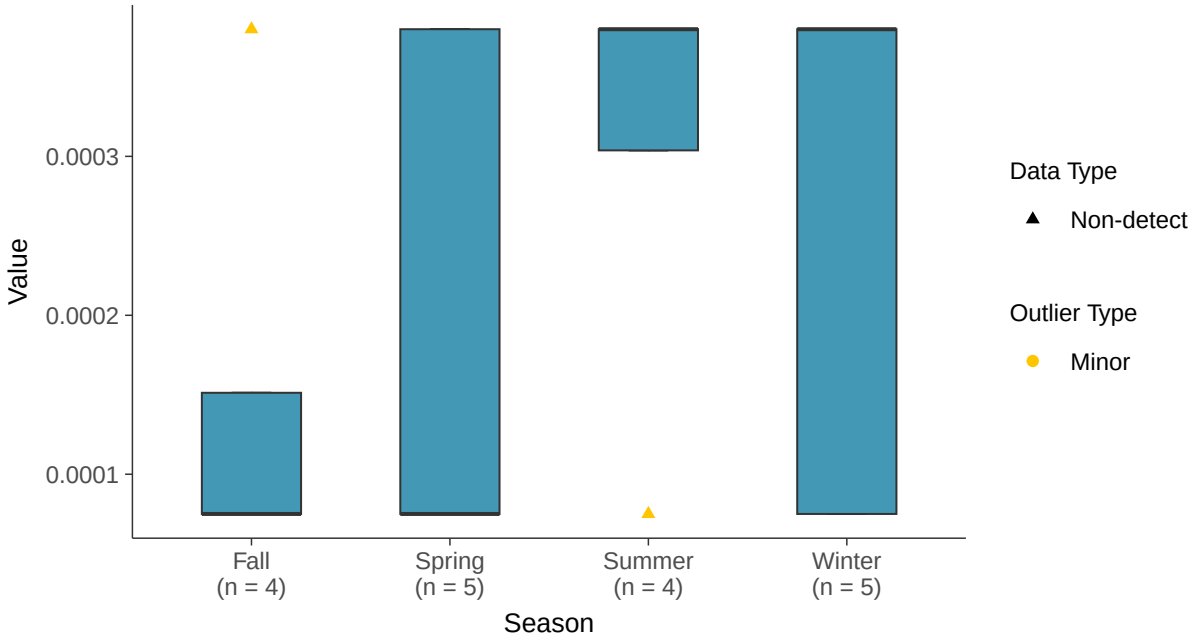
Boxplot

Thallium, MW-01R (mg/L)



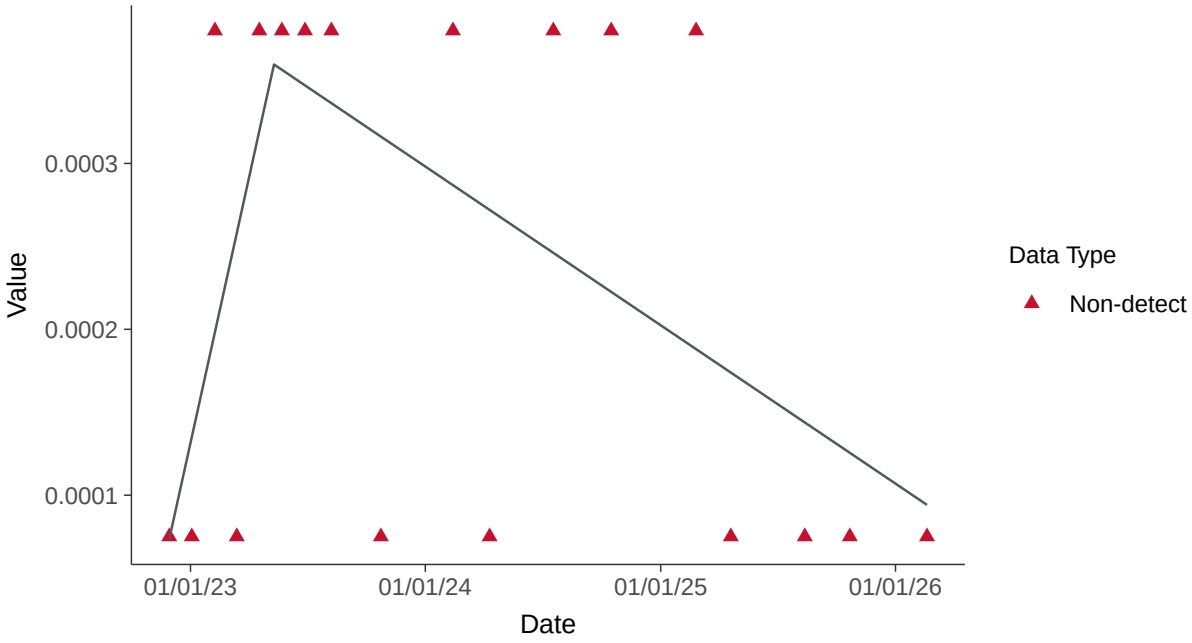
Boxplot by Season

Thallium, MW-01R (mg/L)



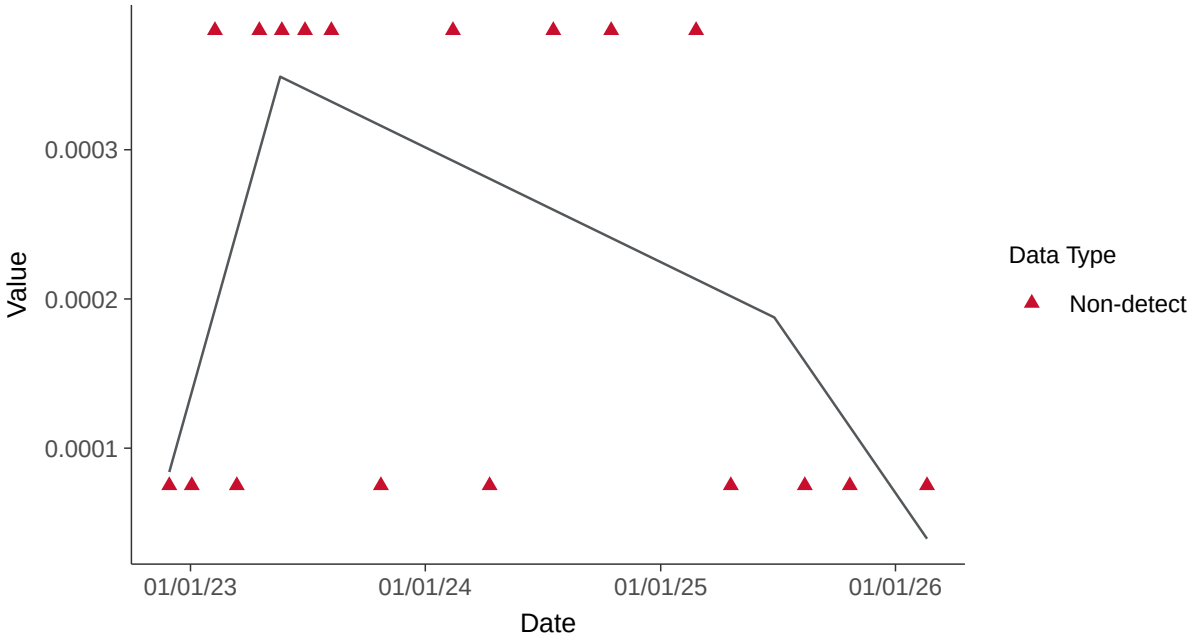
Trend Regression: Piecewise Linear-Linear

Thallium, MW-01R (mg/L)



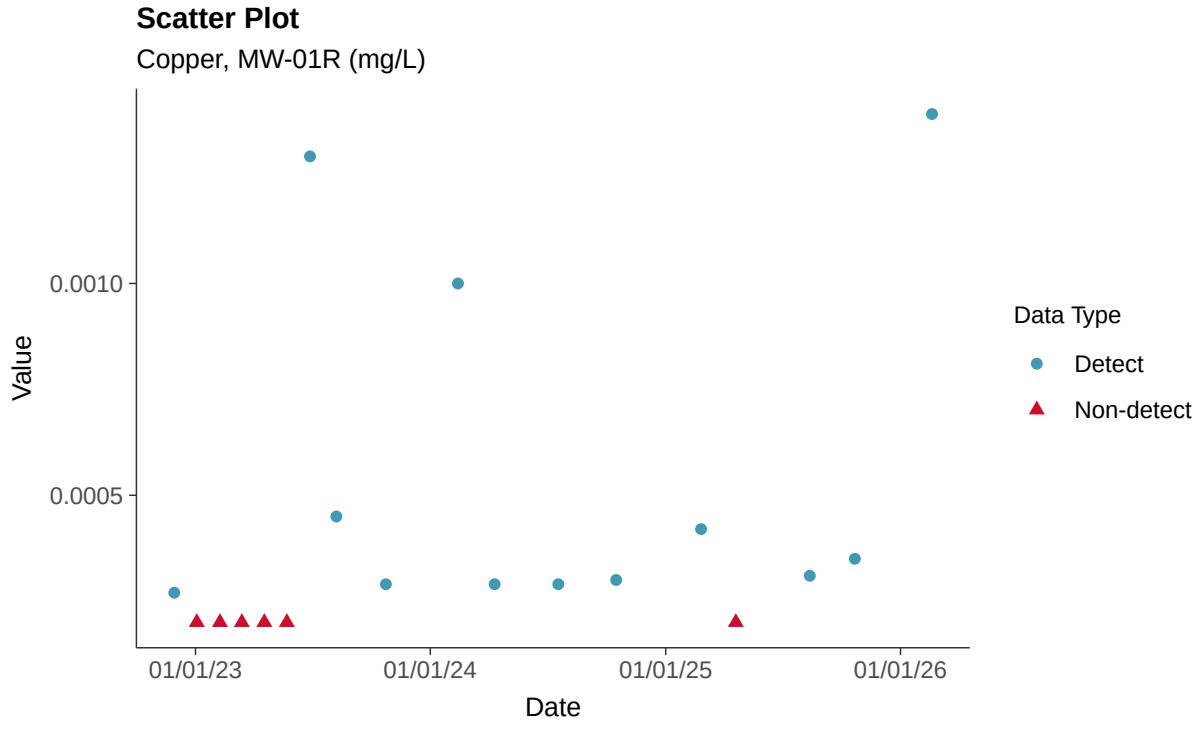
Trend Regression: Piecewise Linear-Linear-Linear

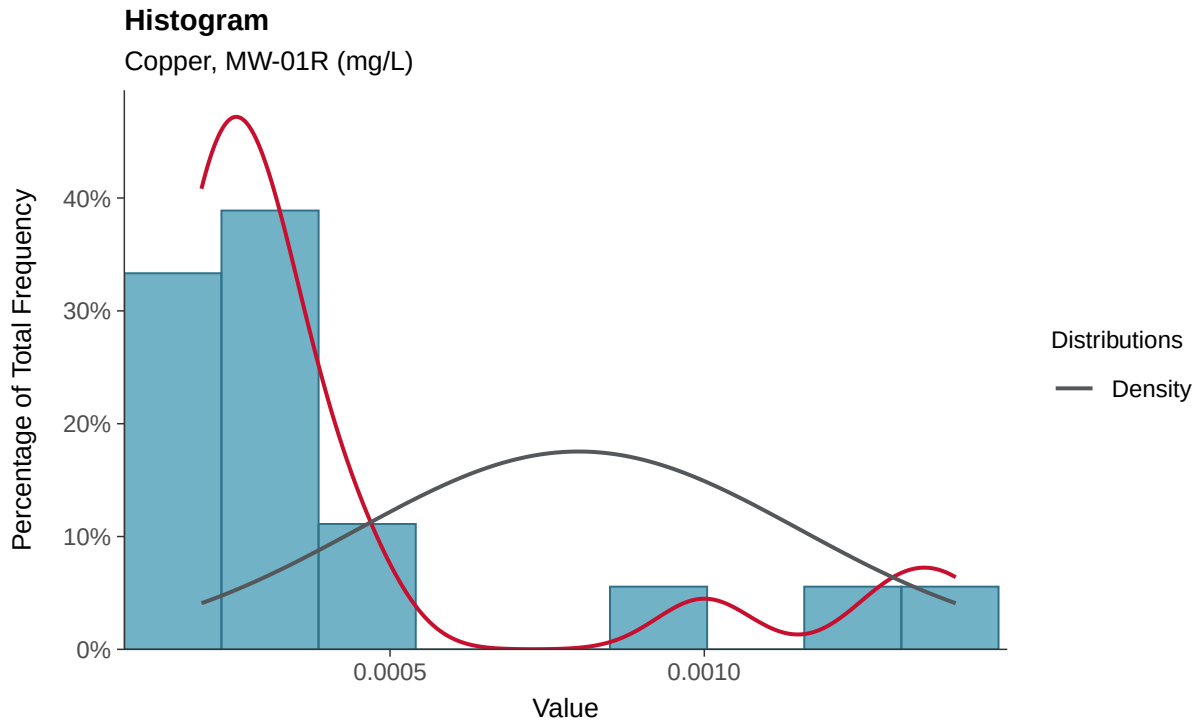
Thallium, MW-01R (mg/L)



Part 115: Copper, MW-01R

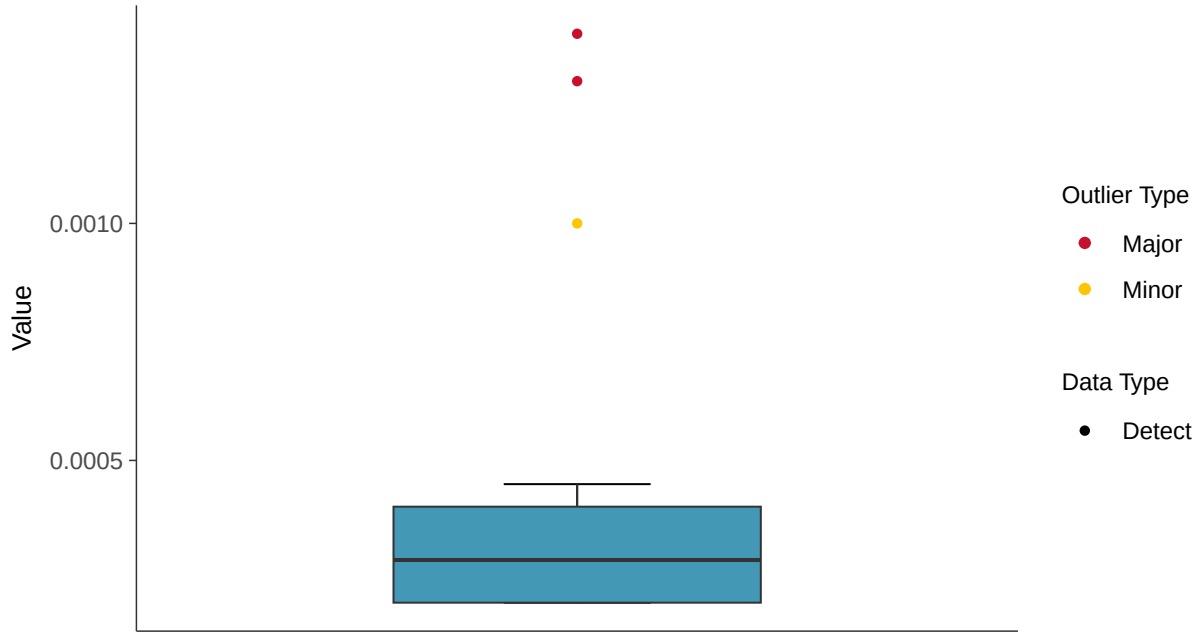
ID: 11_2_5_111





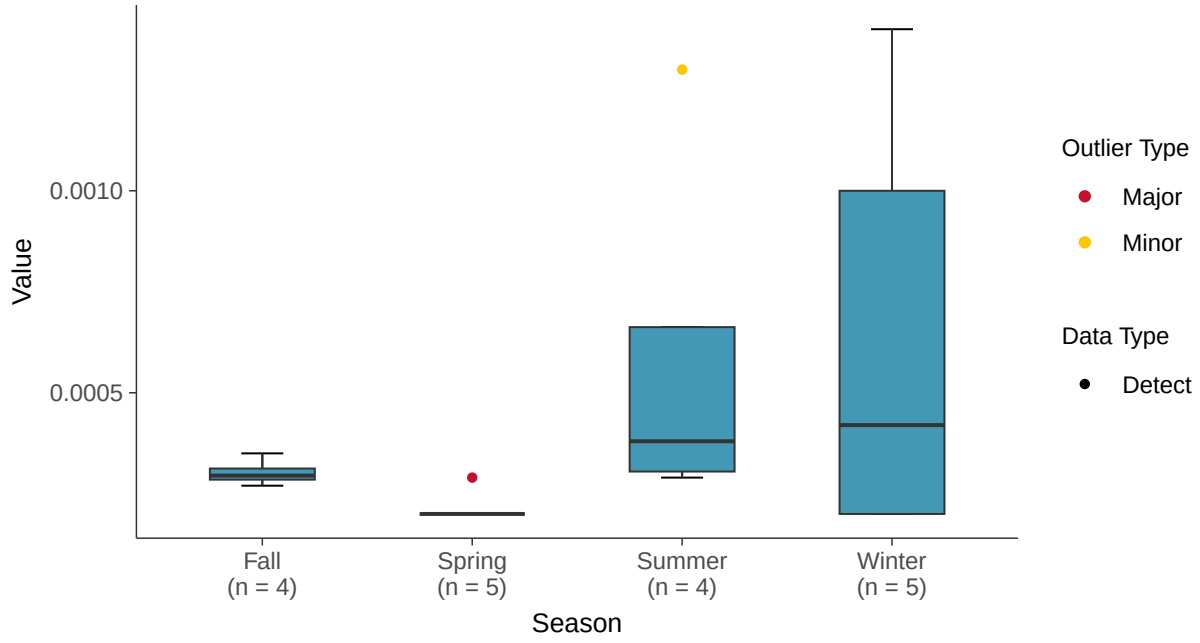
Boxplot

Copper, MW-01R (mg/L)



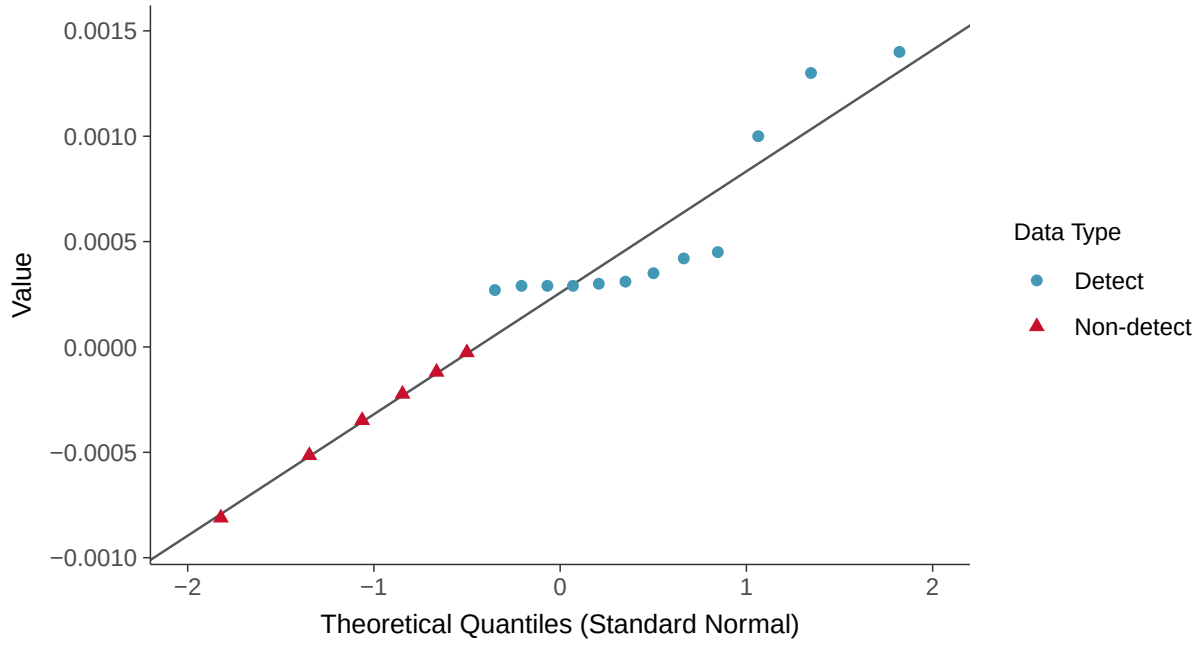
Boxplot by Season

Copper, MW-01R (mg/L)



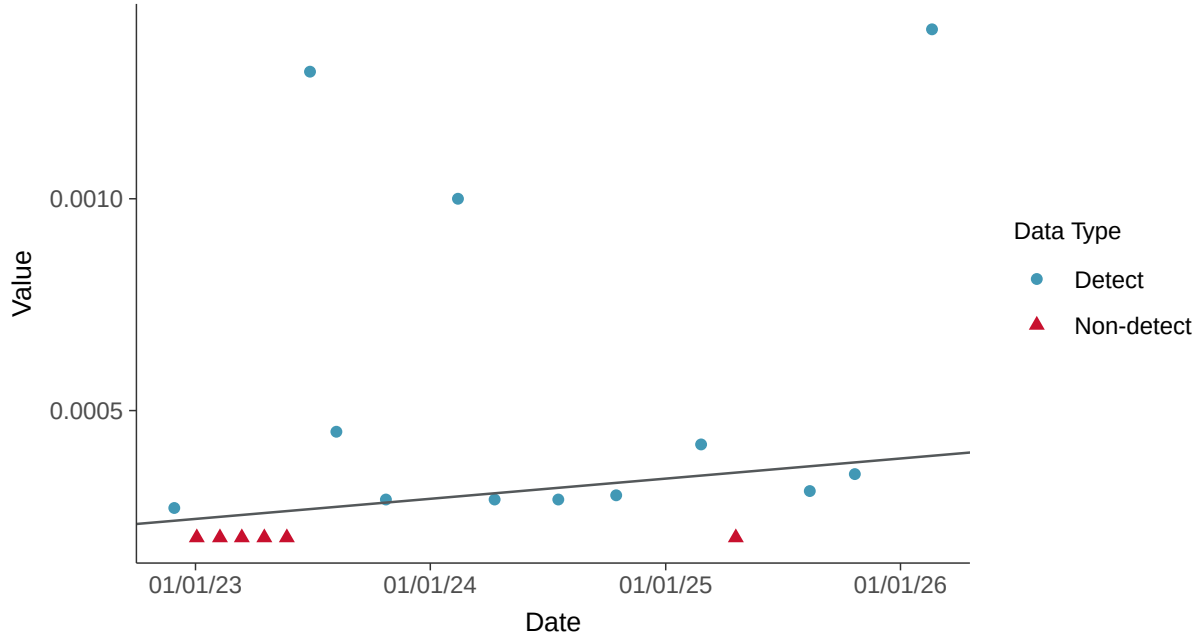
Normal Q-Q plot using ROS Imputed Estimates

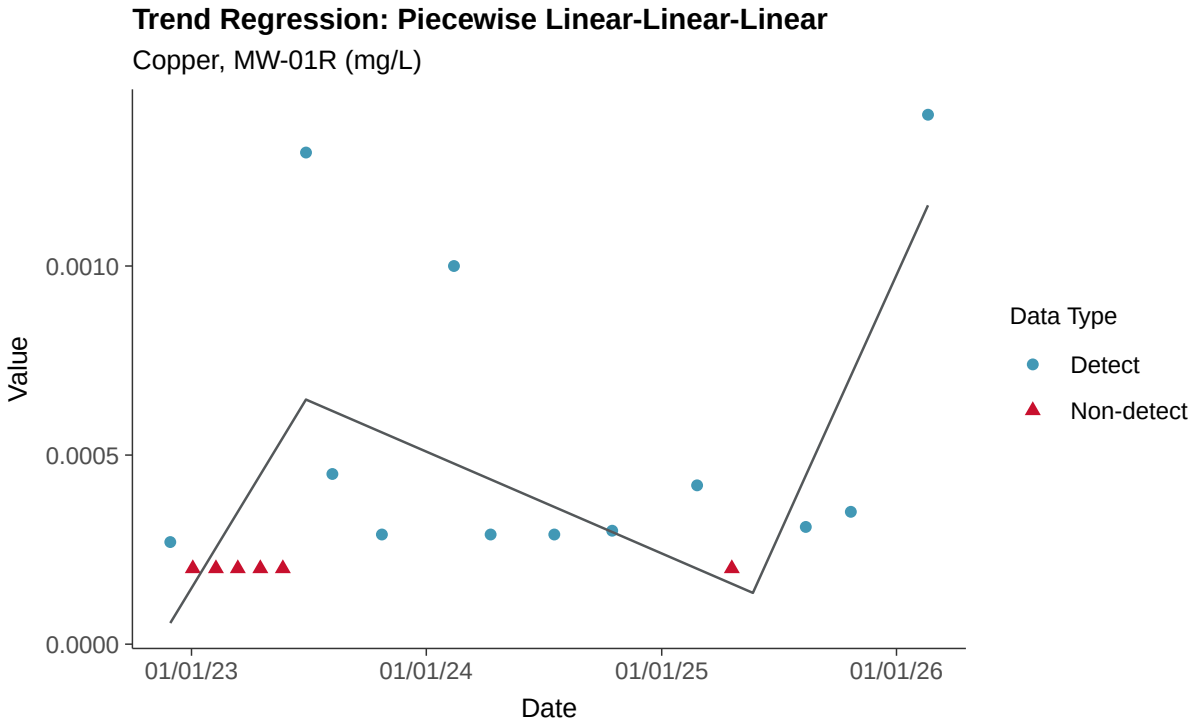
Copper, MW-01R (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

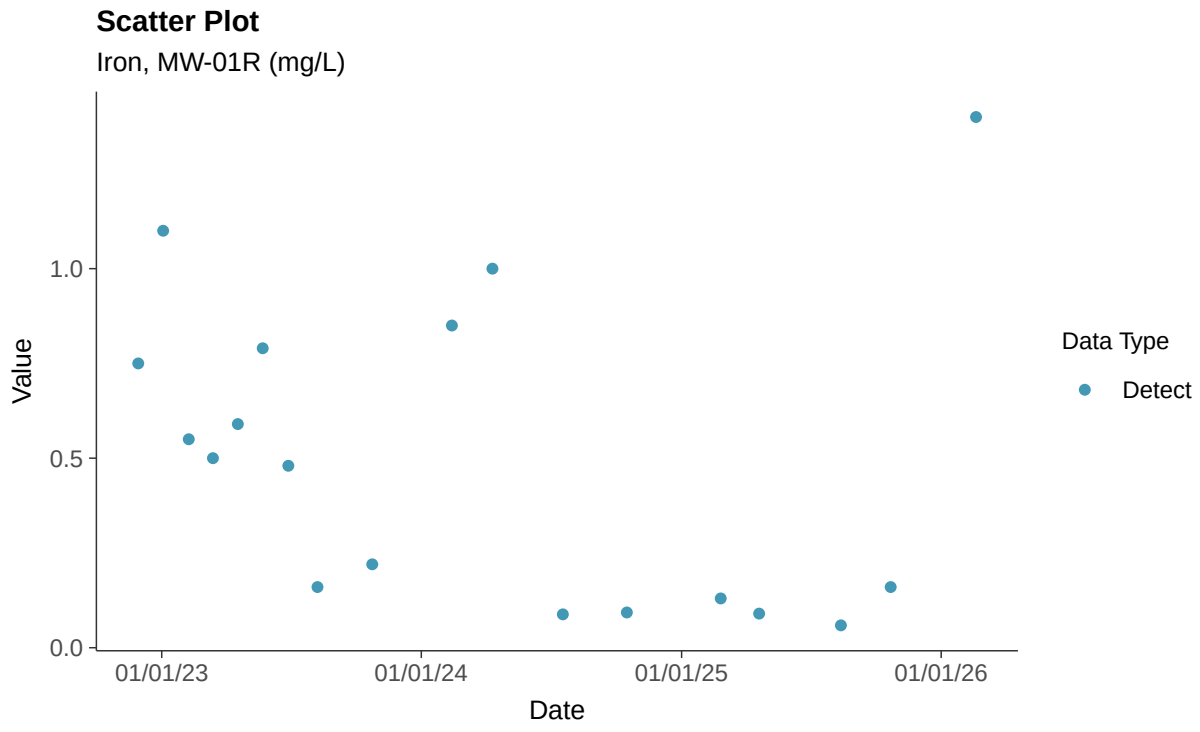
Copper, MW-01R (mg/L)

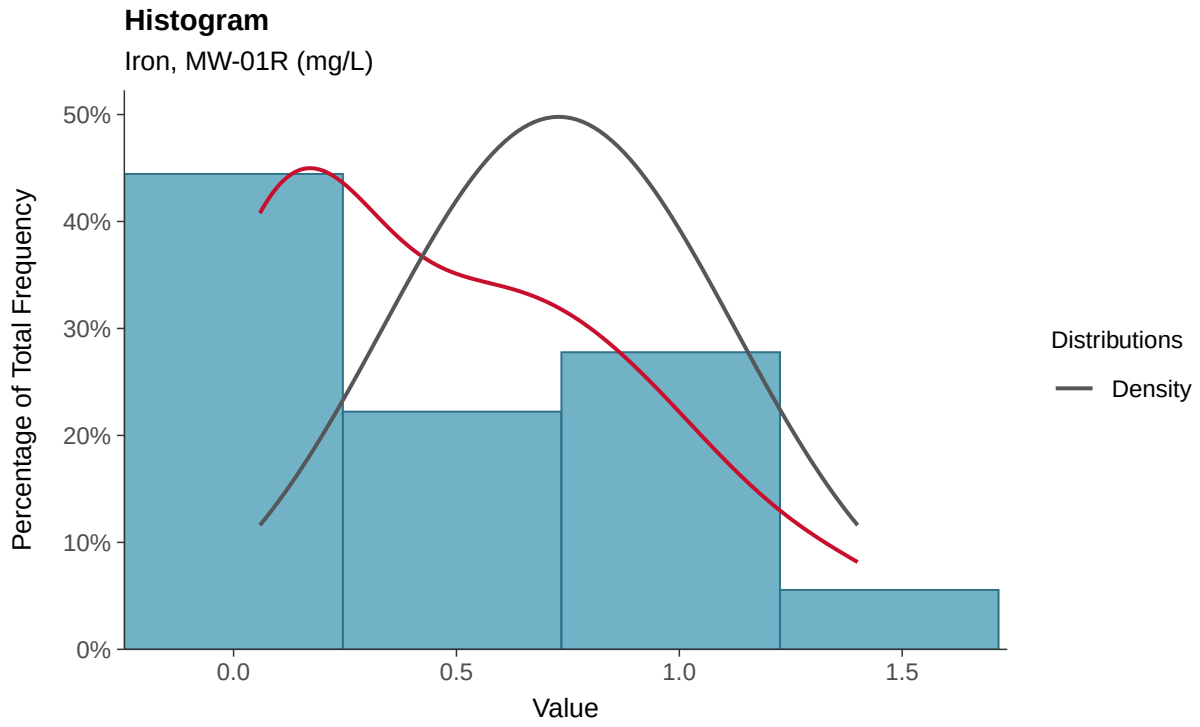



Trend Regression: Piecewise Linear-Linear-Linear
Copper, MW-01R (mg/L)
Value
0.0010
0.0005
0.0000
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Iron, MW-01R

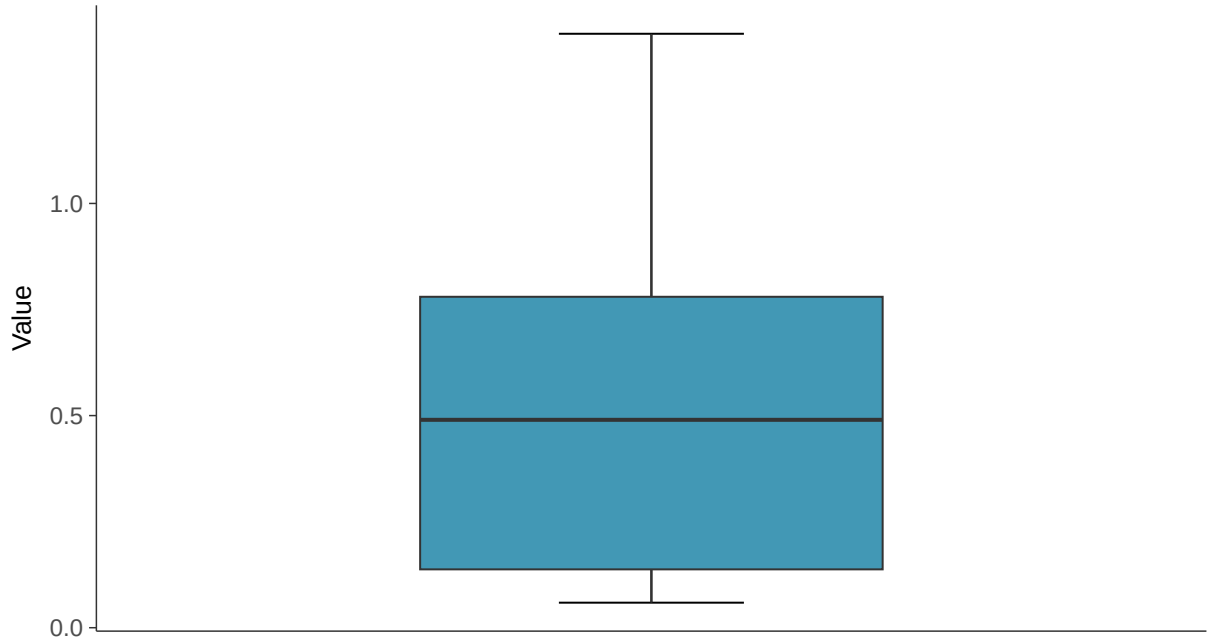
ID: 11_2_5_114





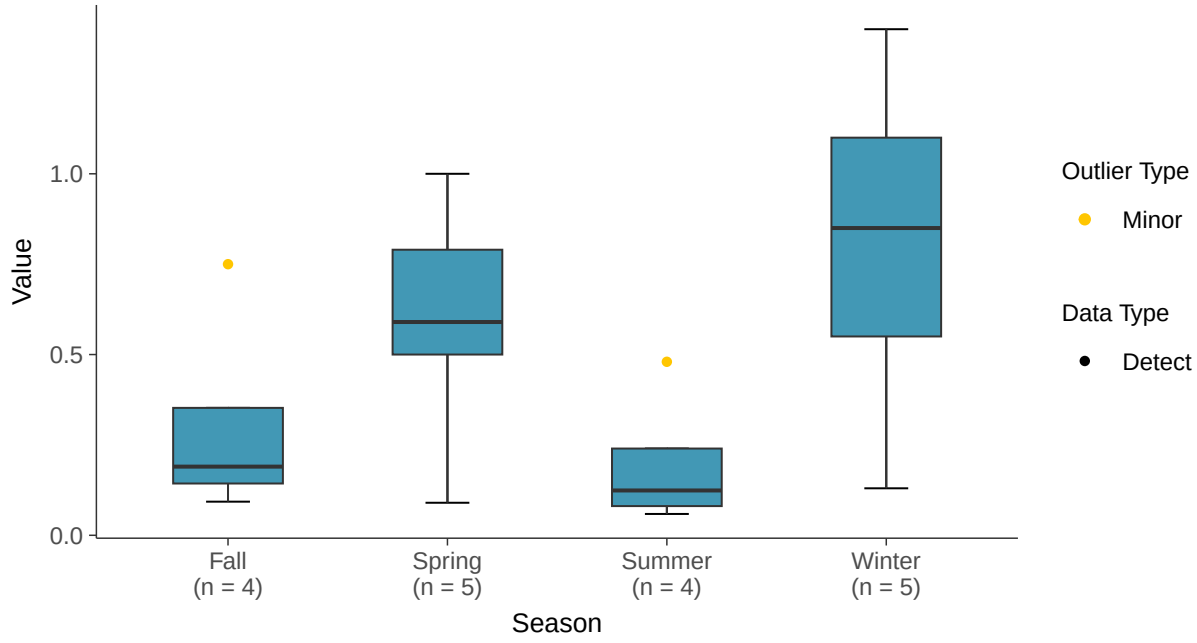
Boxplot

Iron, MW-01R (mg/L)



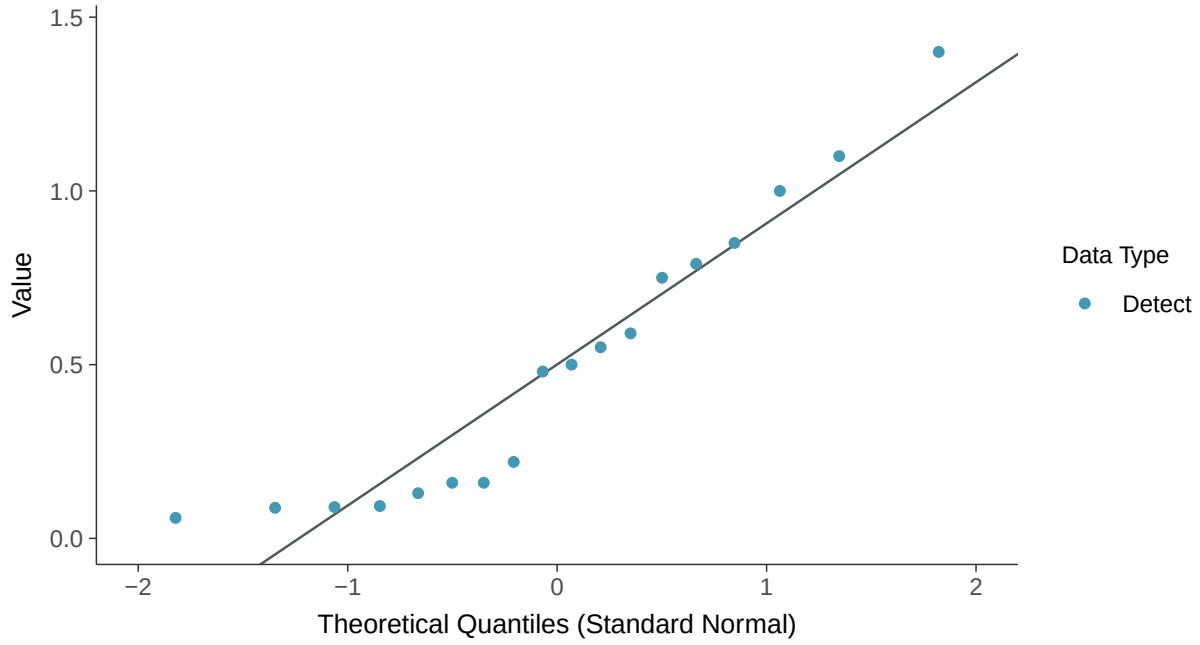
Boxplot by Season

Iron, MW-01R (mg/L)



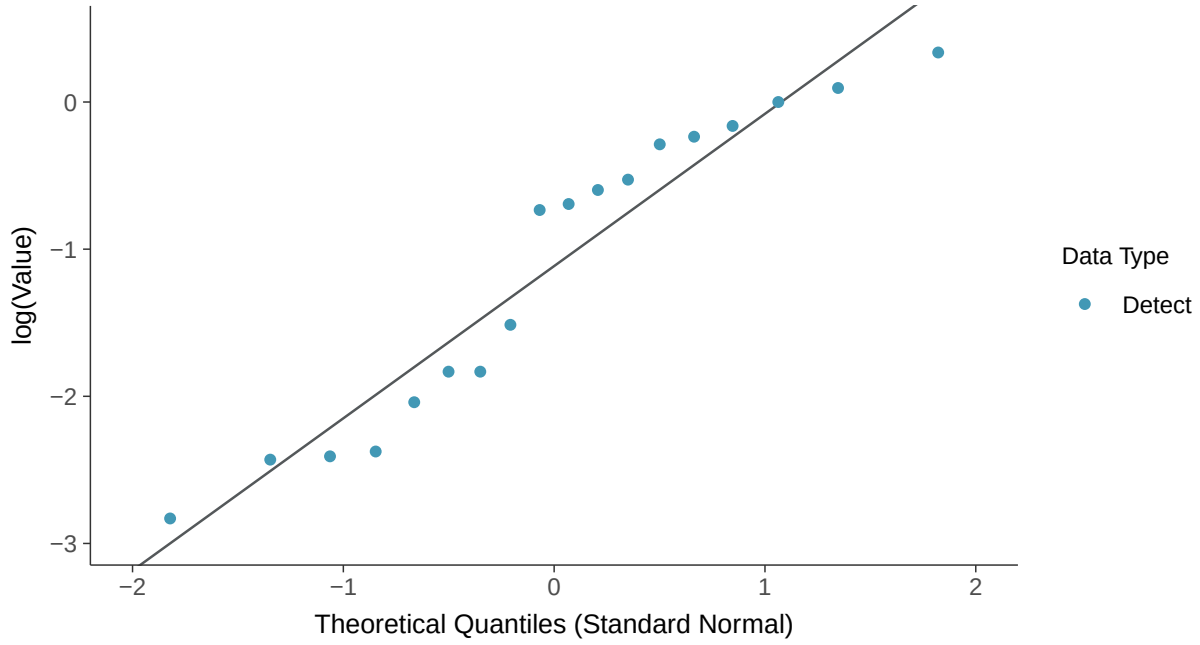
Normal Q-Q plot

Iron, MW-01R (mg/L)



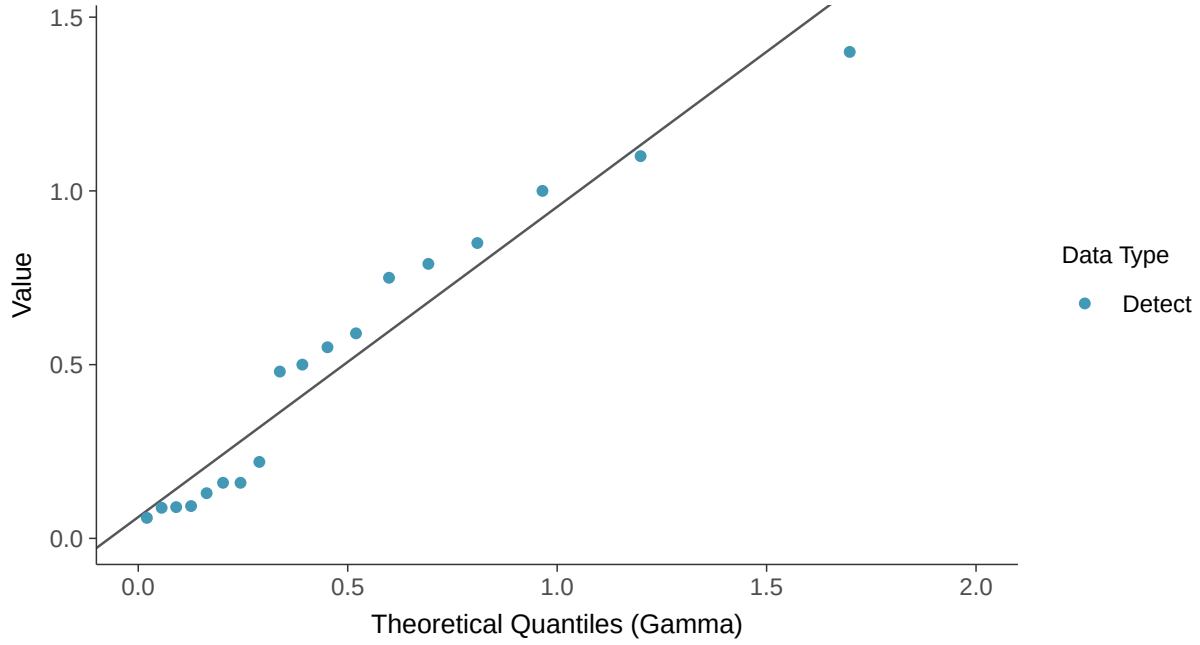
Lognormal Q-Q plot

Iron, MW-01R (mg/L)



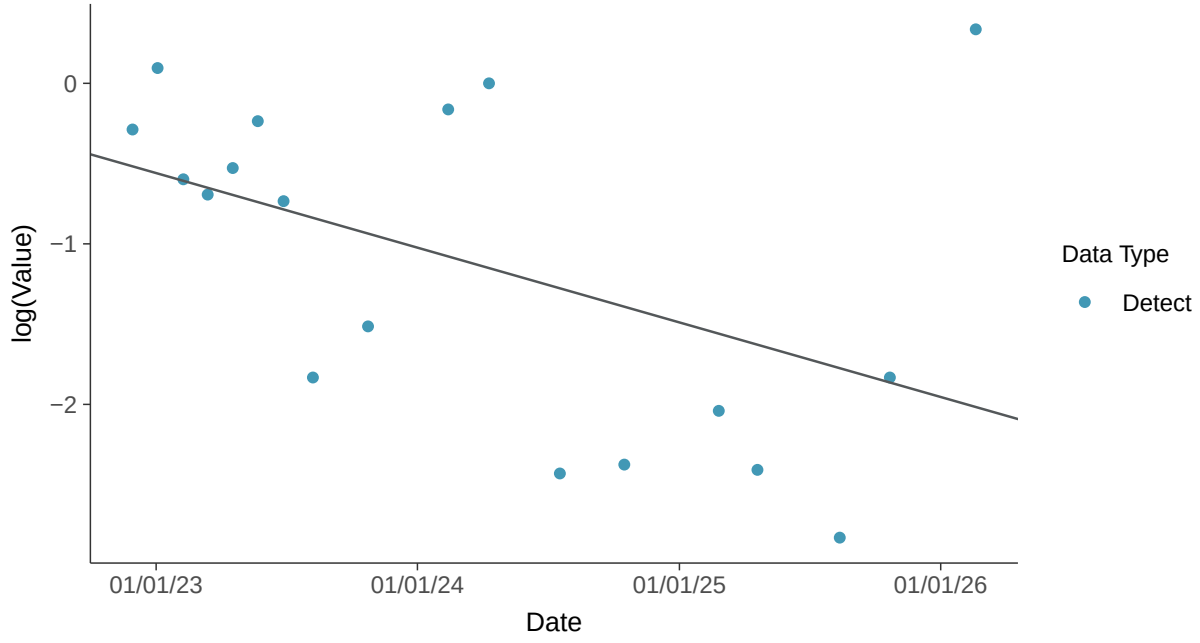
Gamma Q-Q plot

Iron, MW-01R (mg/L)



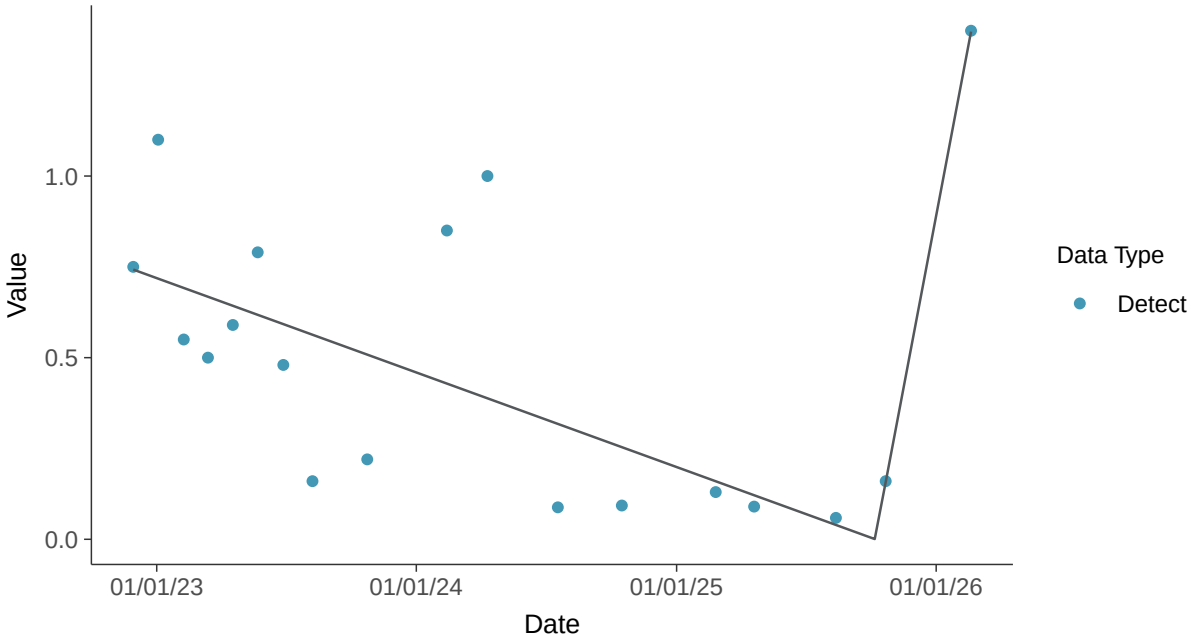
Trend Regression: Lognormal MLE

Iron, MW-01R (mg/L)



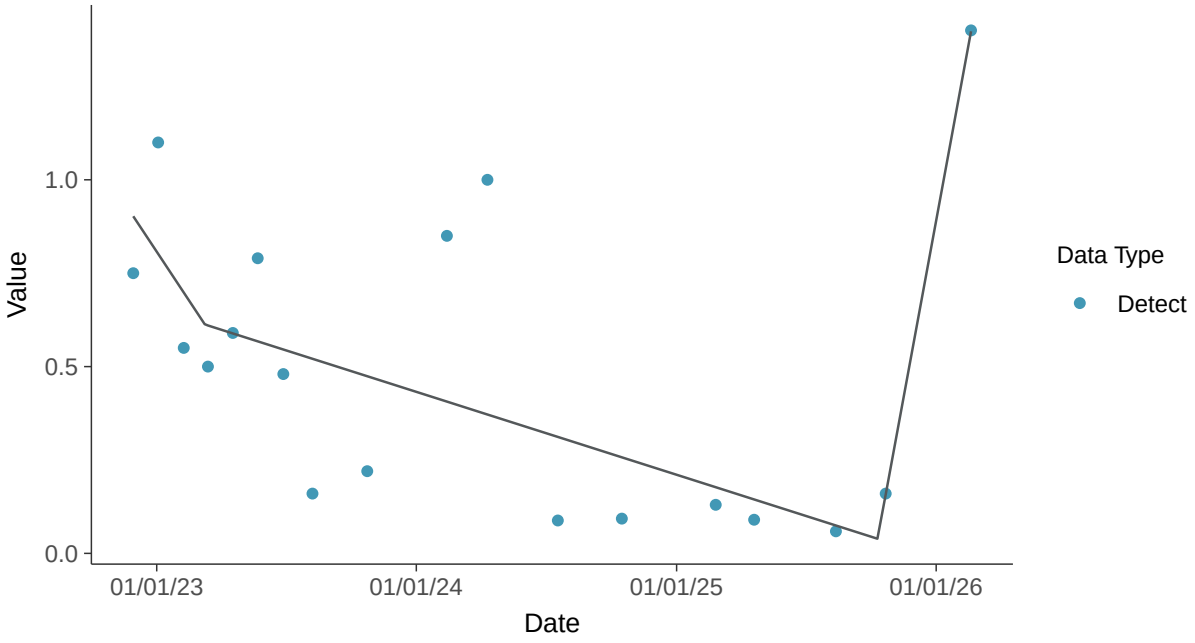
Trend Regression: Piecewise Linear-Linear

Iron, MW-01R (mg/L)



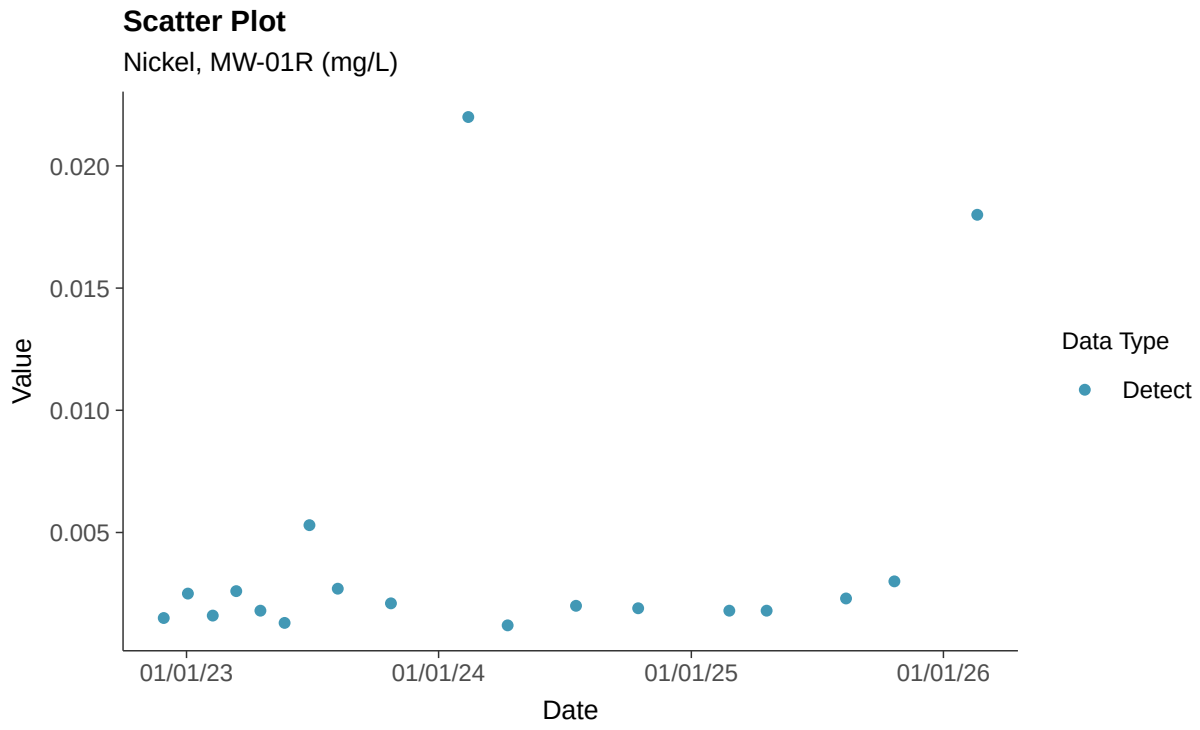
Trend Regression: Piecewise Linear-Linear-Linear

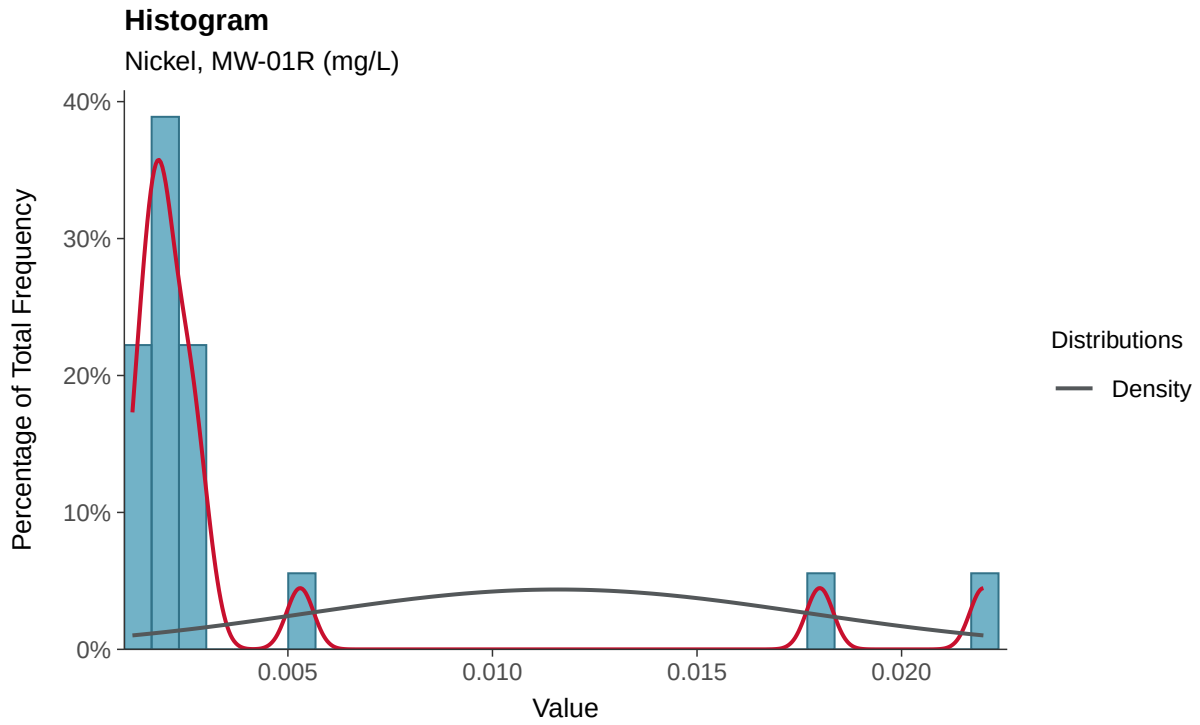
Iron, MW-01R (mg/L)



Part 115: Nickel, MW-01R

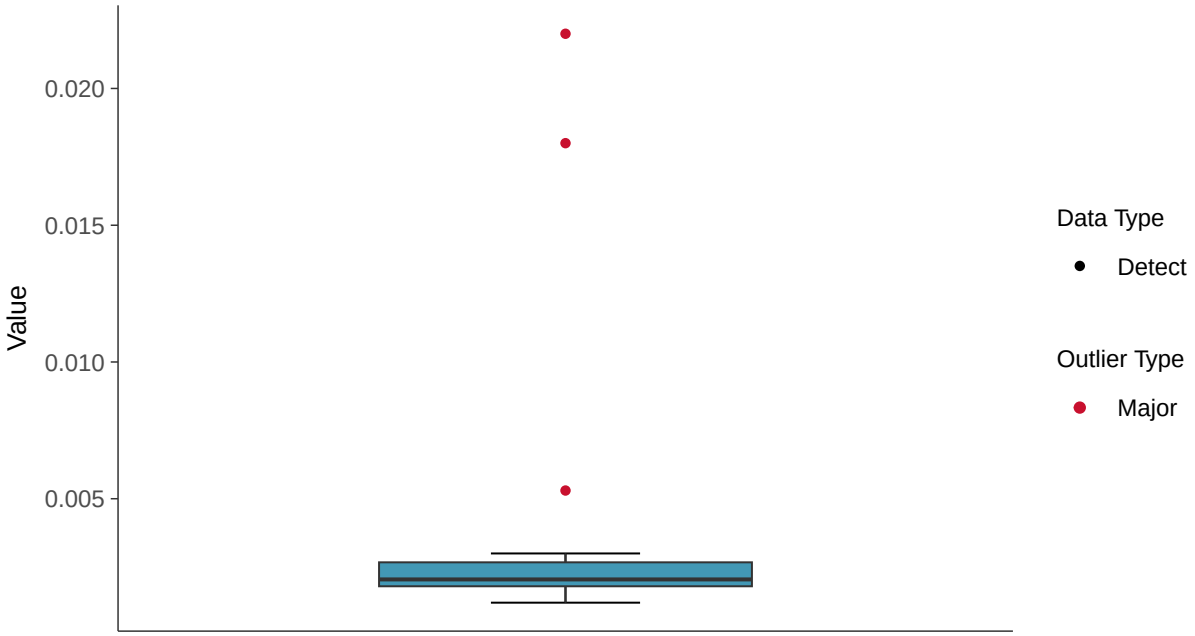
ID: 11_2_5_119





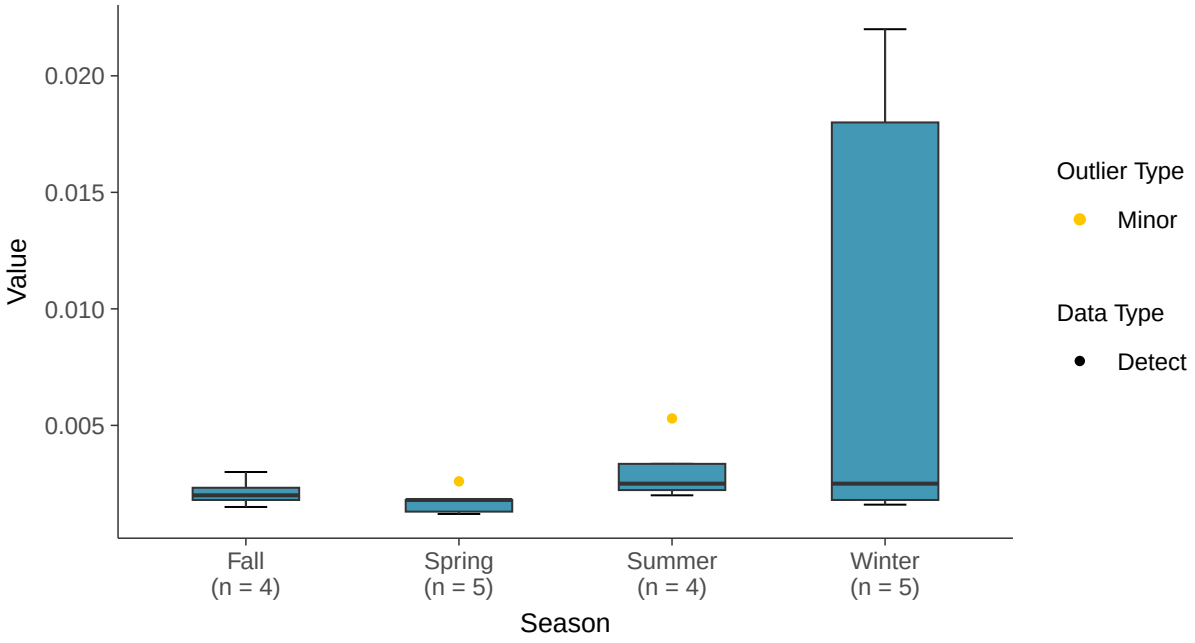
Boxplot

Nickel, MW-01R (mg/L)



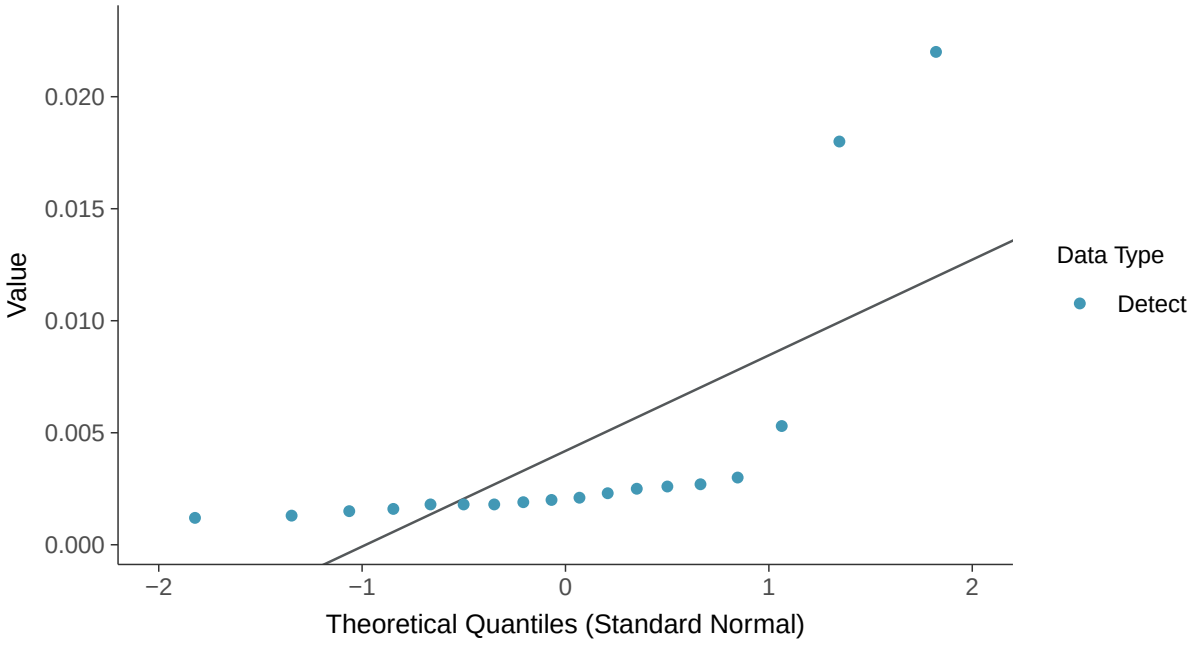
Boxplot by Season

Nickel, MW-01R (mg/L)



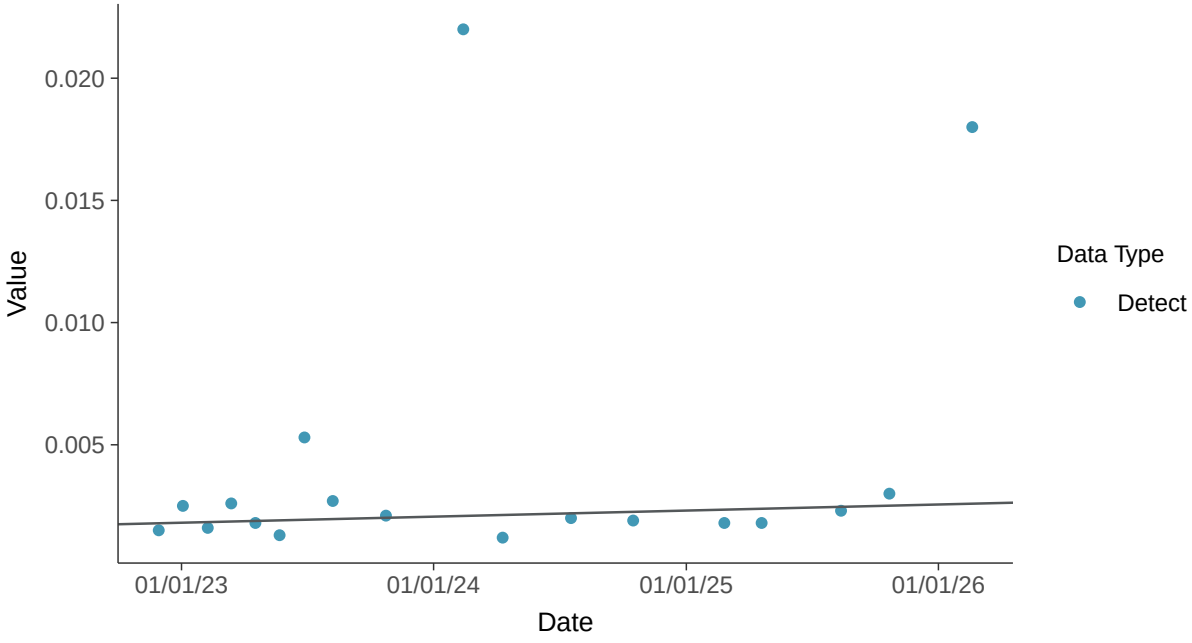
Normal Q-Q plot

Nickel, MW-01R (mg/L)



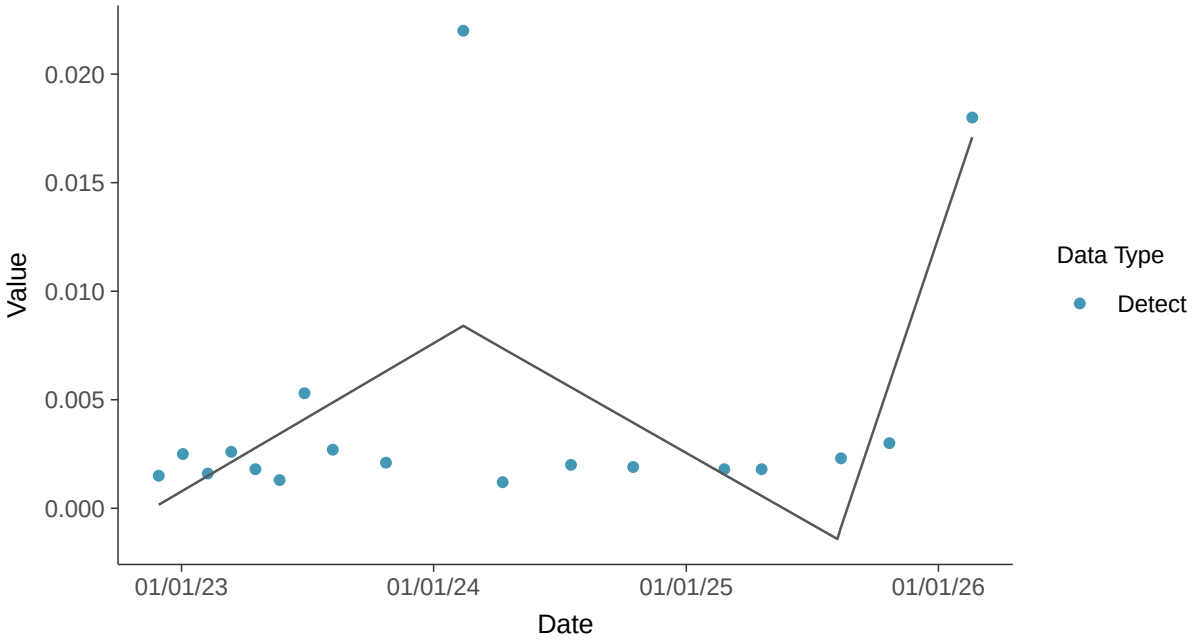
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Nickel, MW-01R (mg/L)



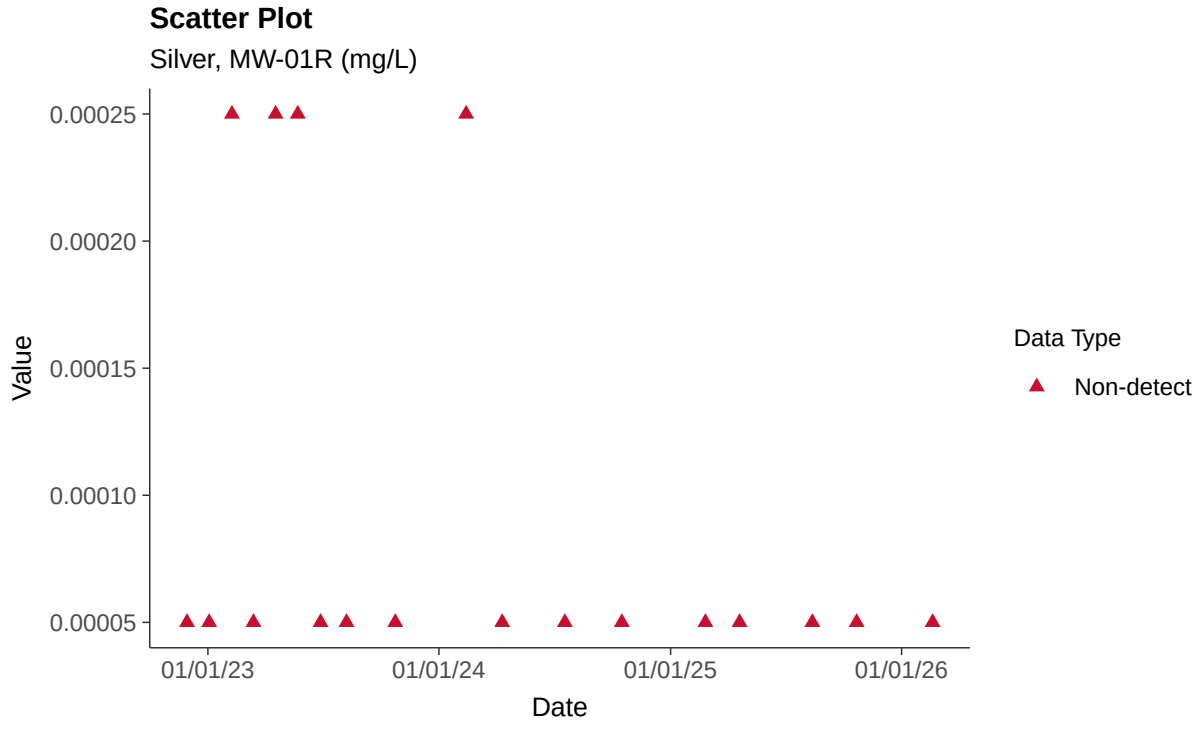
Trend Regression: Piecewise Linear-Linear-Linear

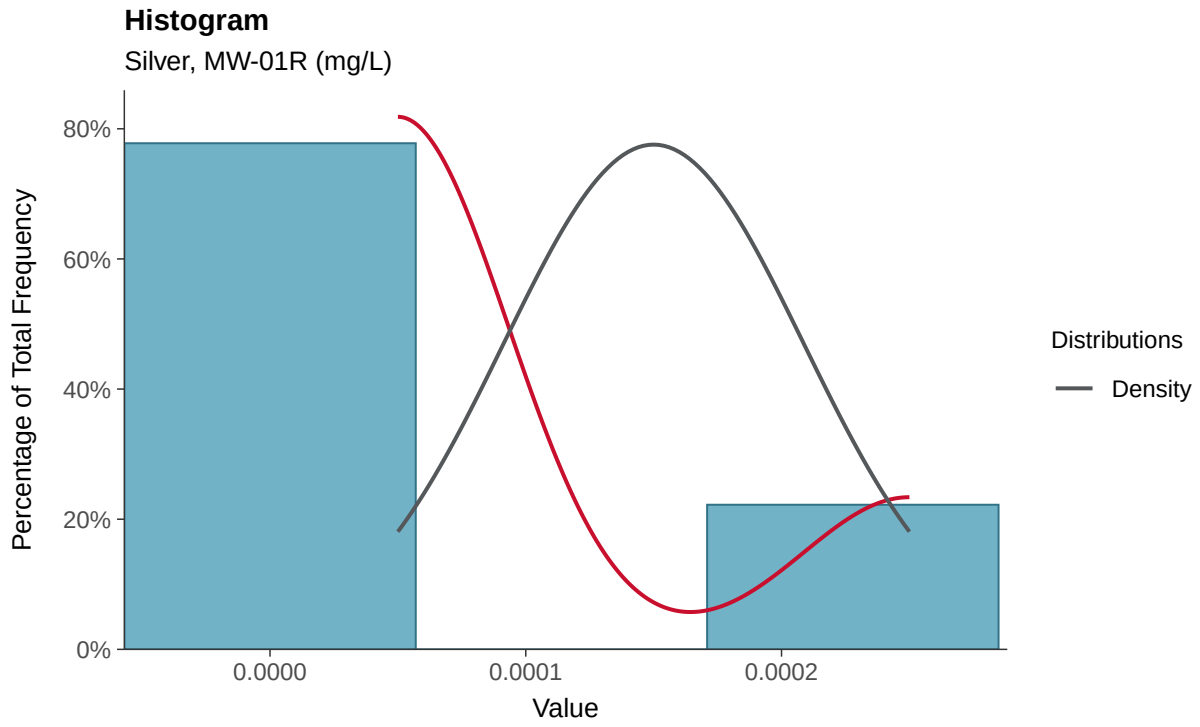
Nickel, MW-01R (mg/L)



Part 115: Silver, MW-01R

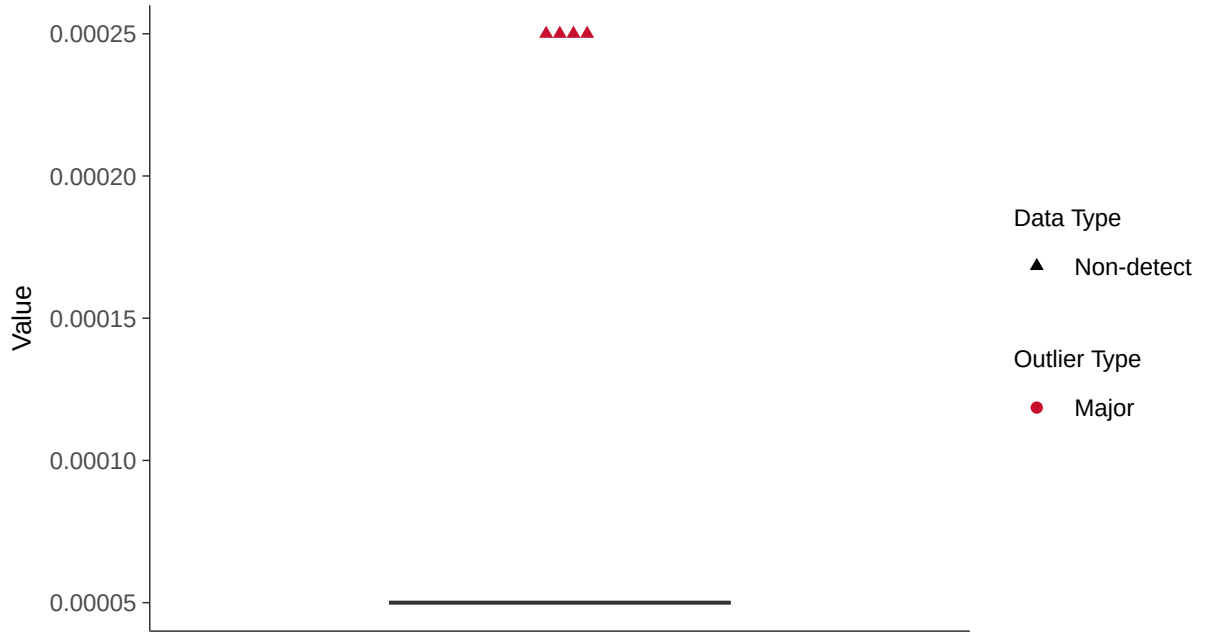
ID: 11_2_5_123





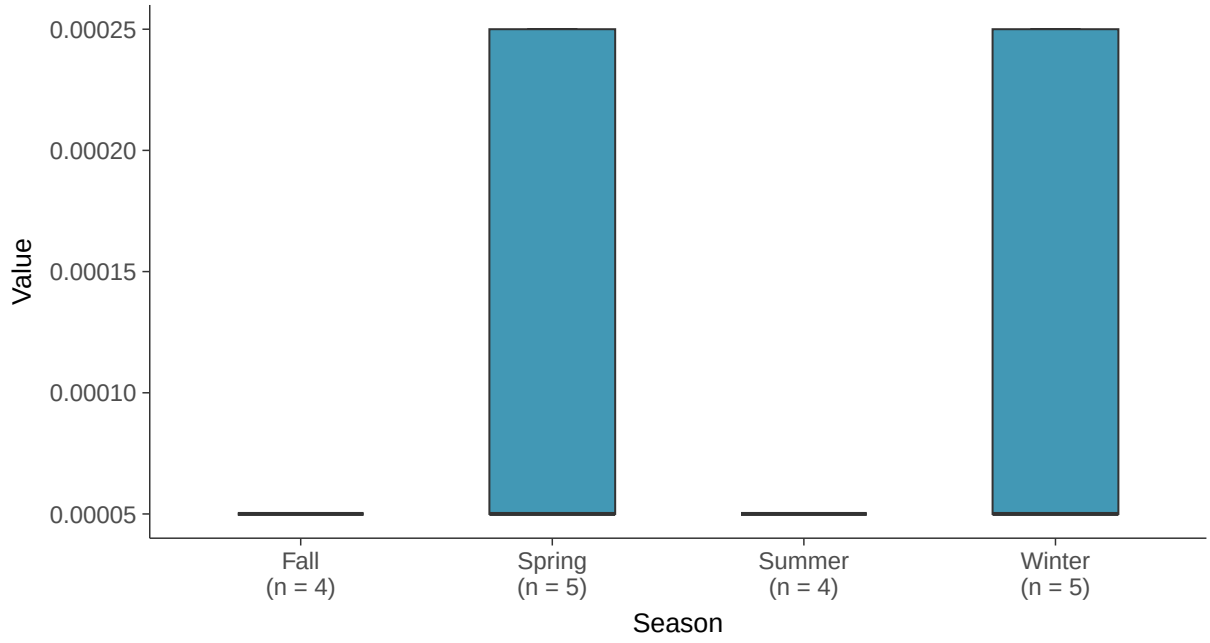
Boxplot

Silver, MW-01R (mg/L)



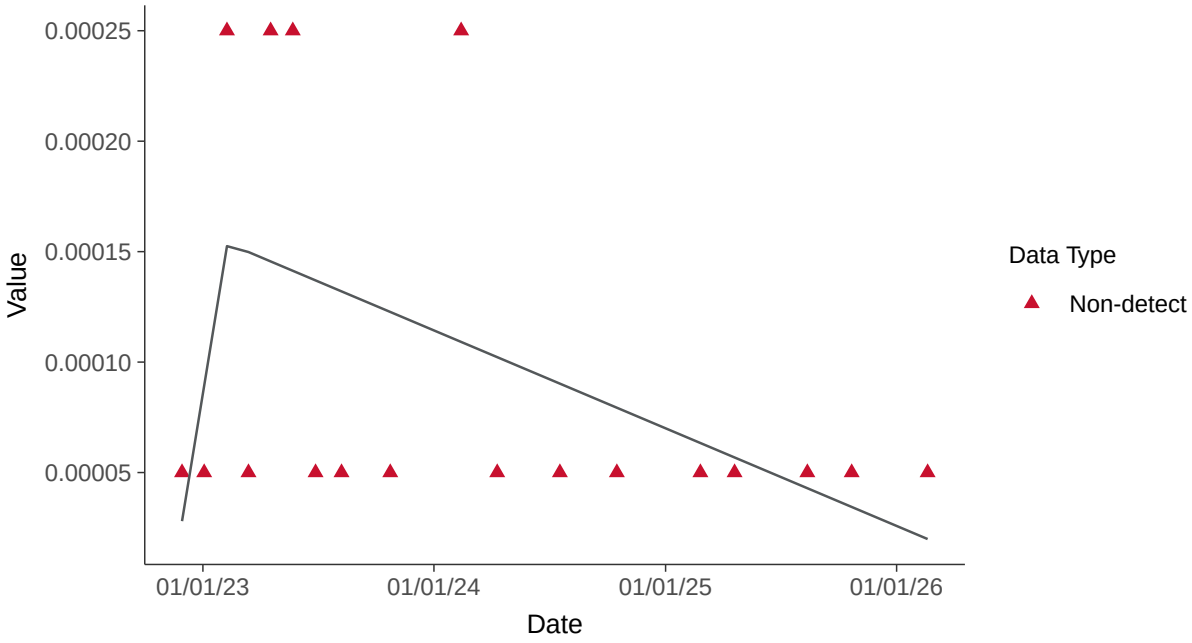
Boxplot by Season

Silver, MW-01R (mg/L)



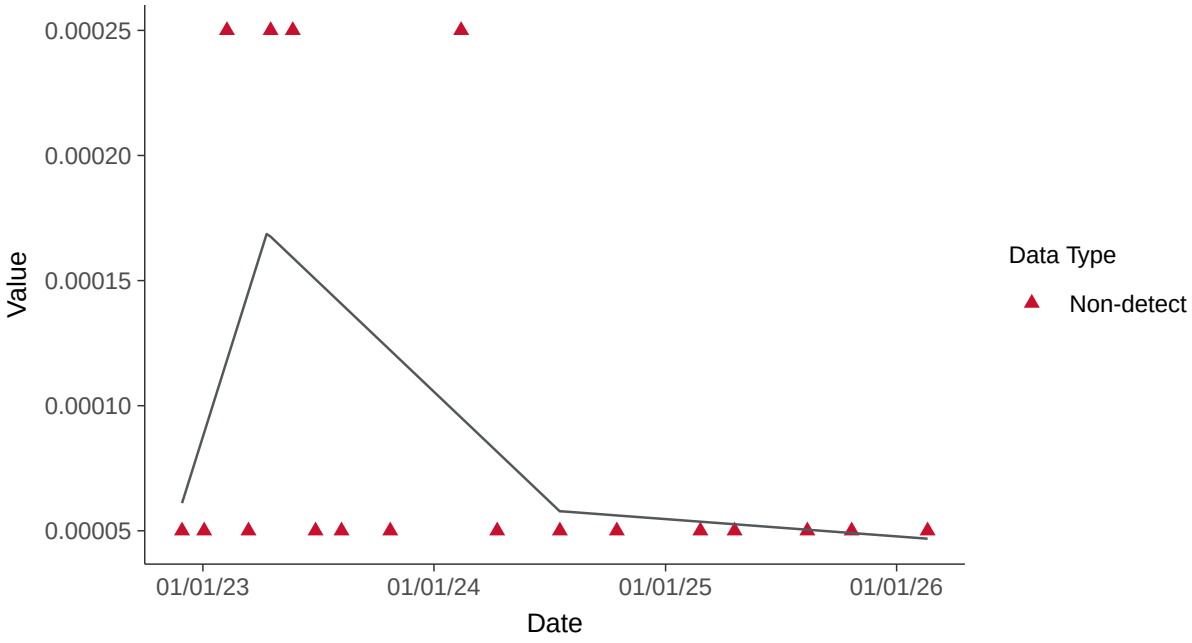
Trend Regression: Piecewise Linear-Linear

Silver, MW-01R (mg/L)



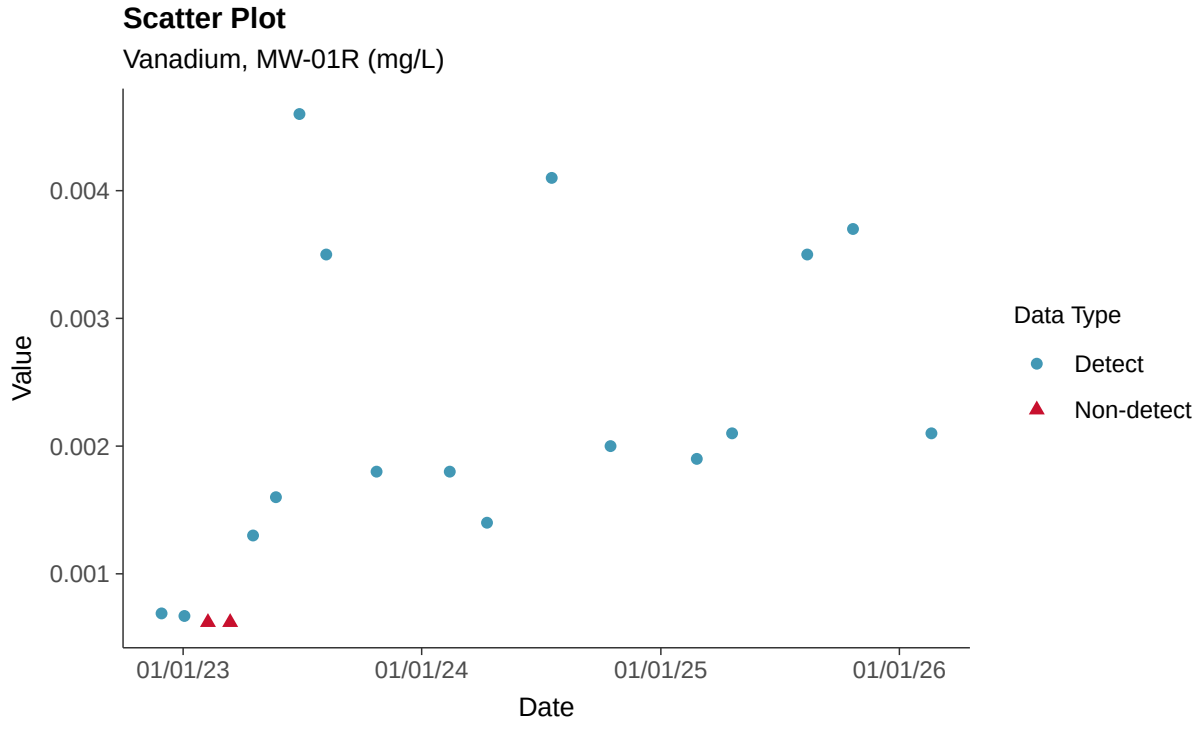
Trend Regression: Piecewise Linear-Linear-Linear

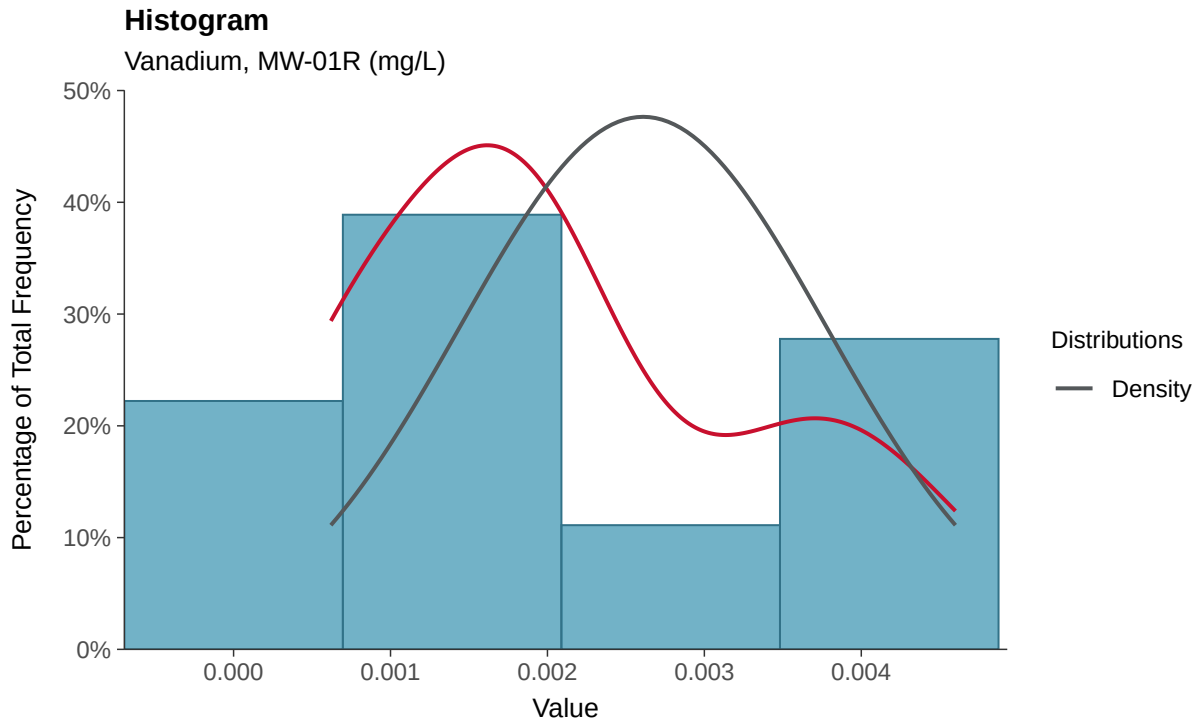
Silver, MW-01R (mg/L)



Part 115: Vanadium, MW-01R

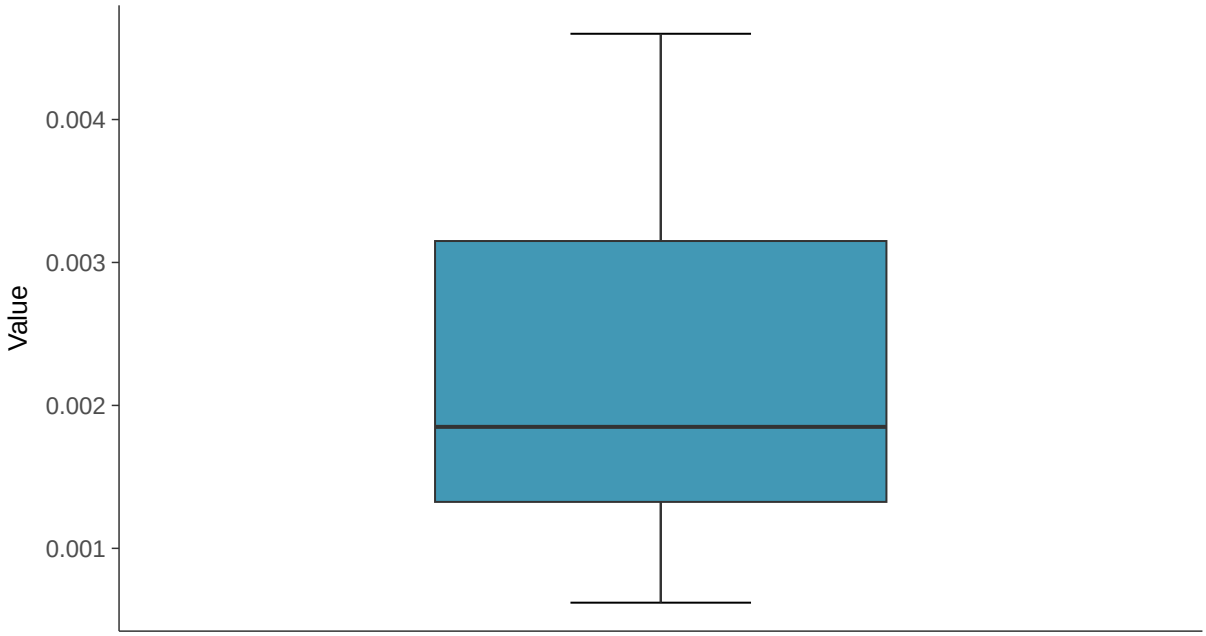
ID: 11_2_5_128





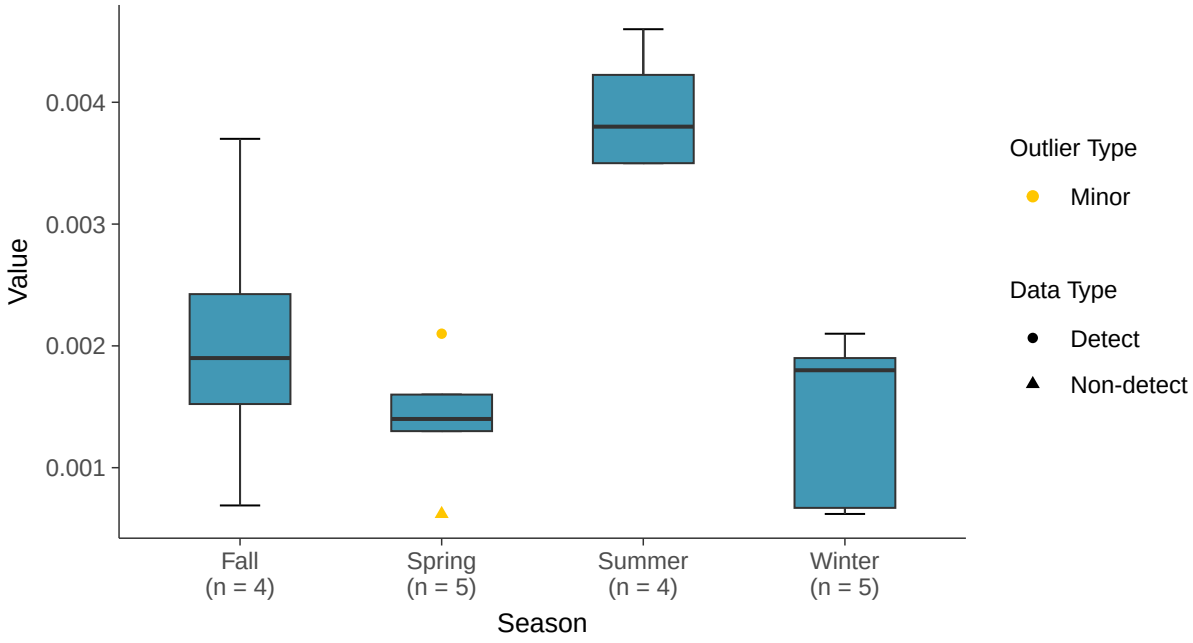
Boxplot

Vanadium, MW-01R (mg/L)



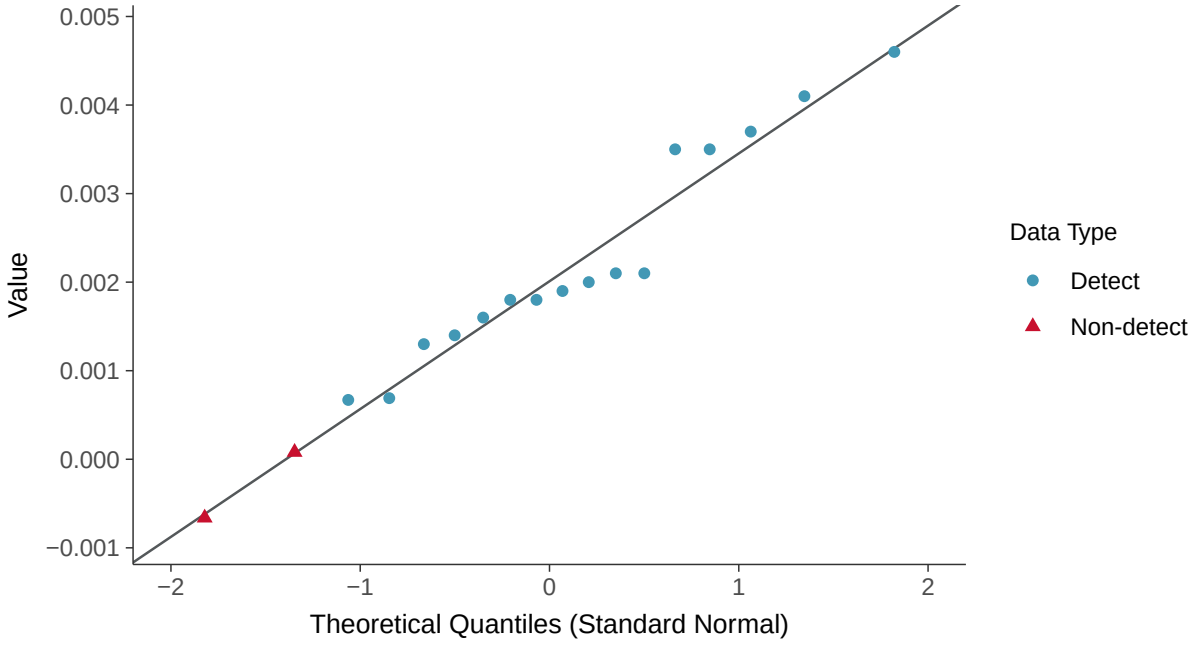
Boxplot by Season

Vanadium, MW-01R (mg/L)



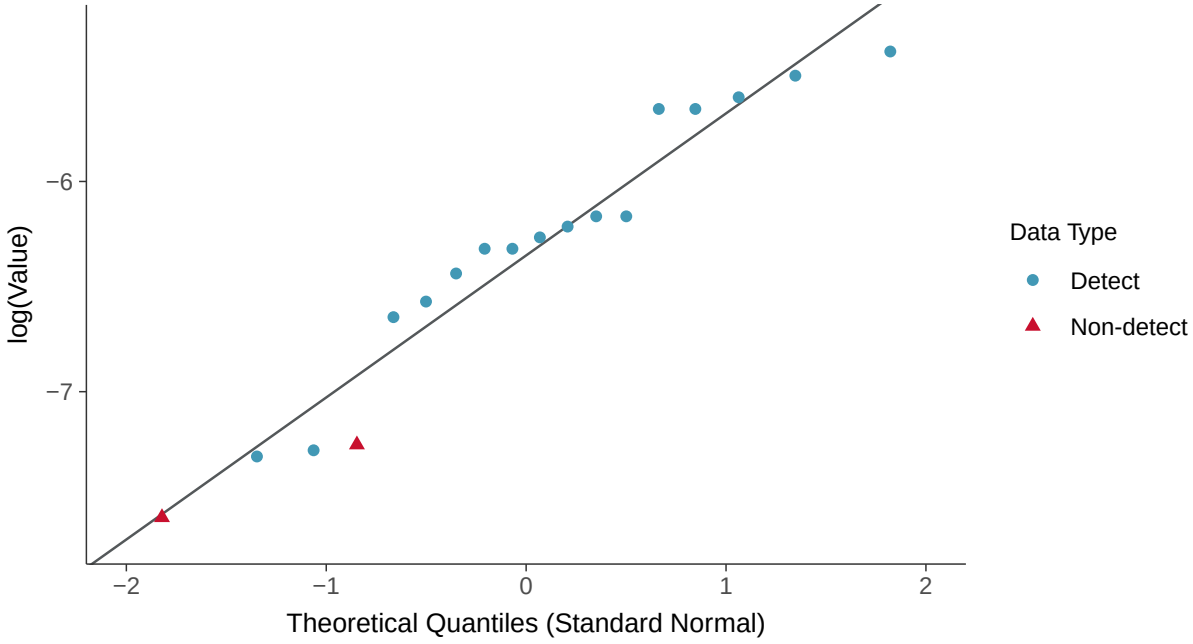
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-01R (mg/L)



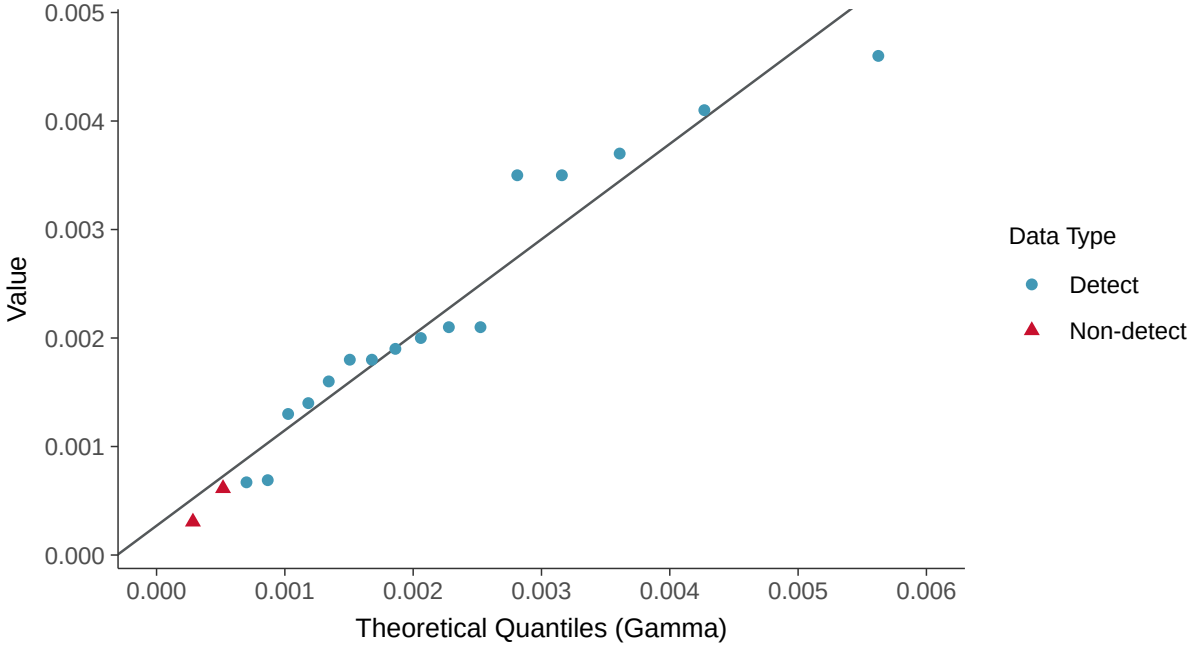
Lognormal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-01R (mg/L)



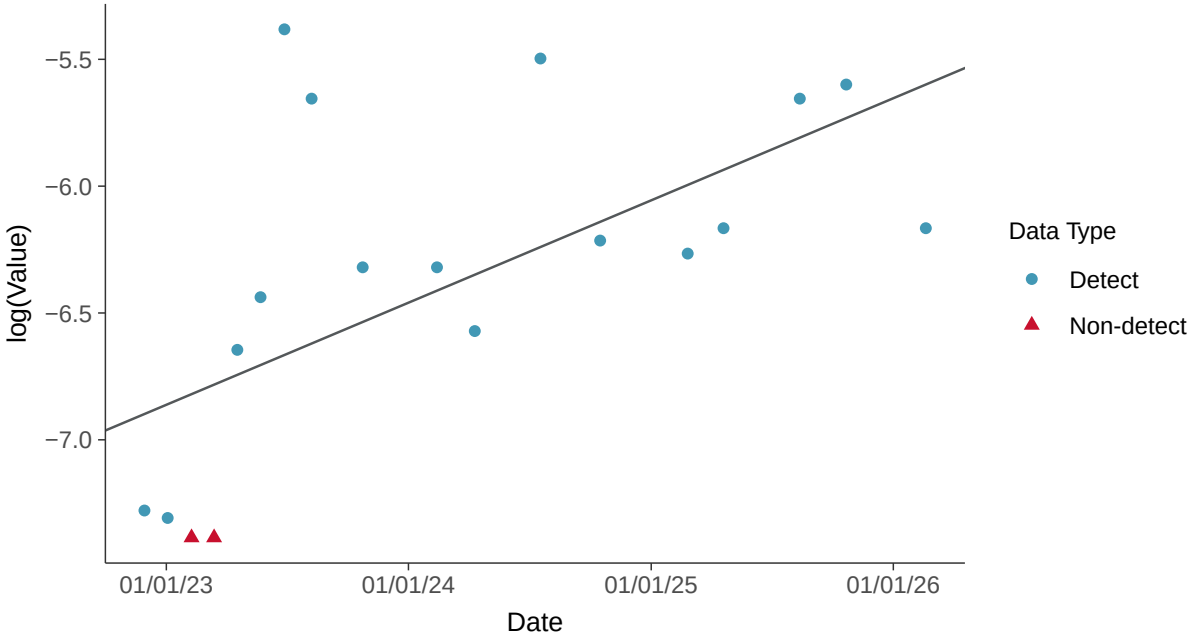
Gamma Q-Q plot using ROS Imputed Estimates

Vanadium, MW-01R (mg/L)



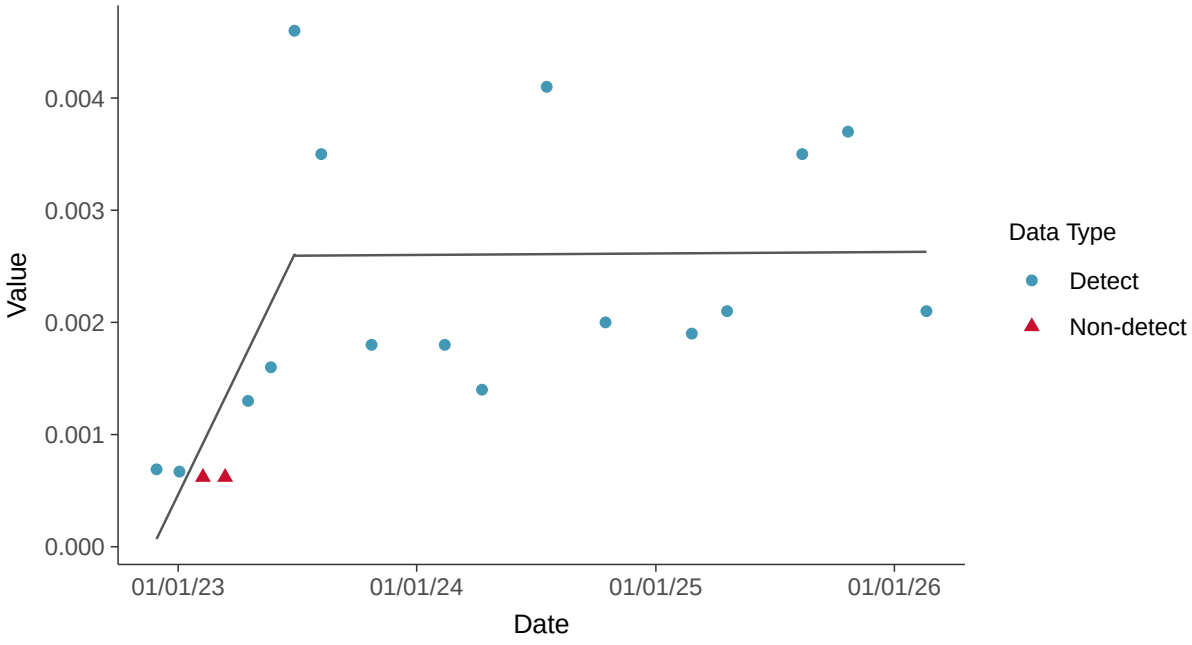
Trend Regression: Lognormal MLE

Vanadium, MW-01R (mg/L)



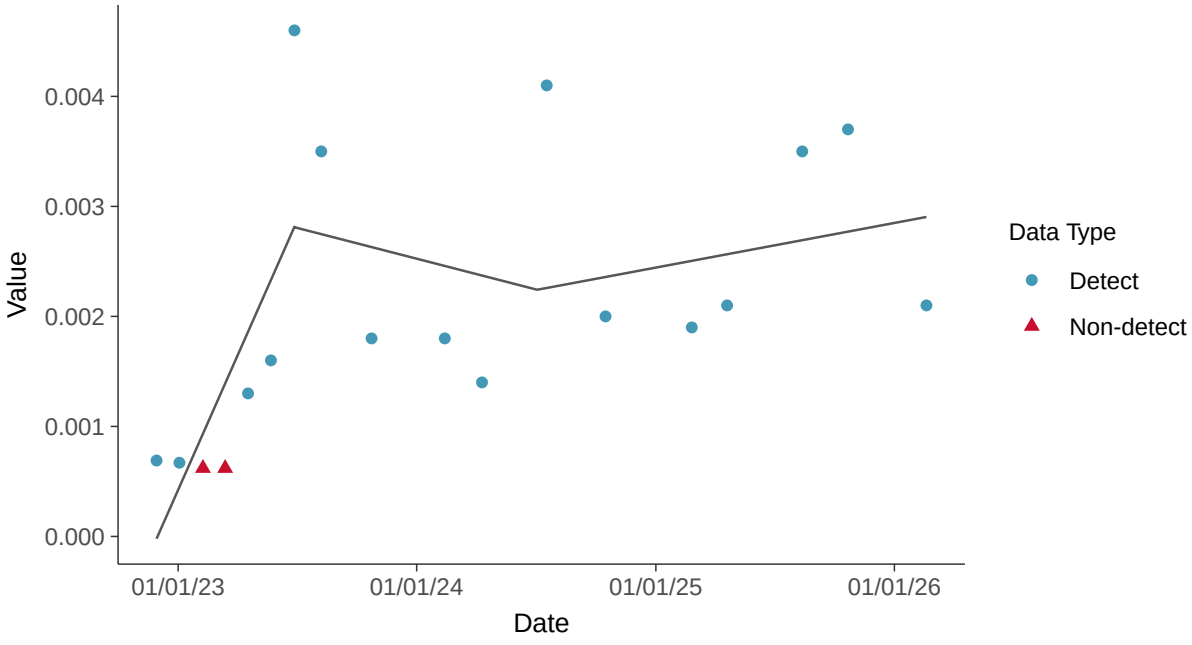
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-01R (mg/L)



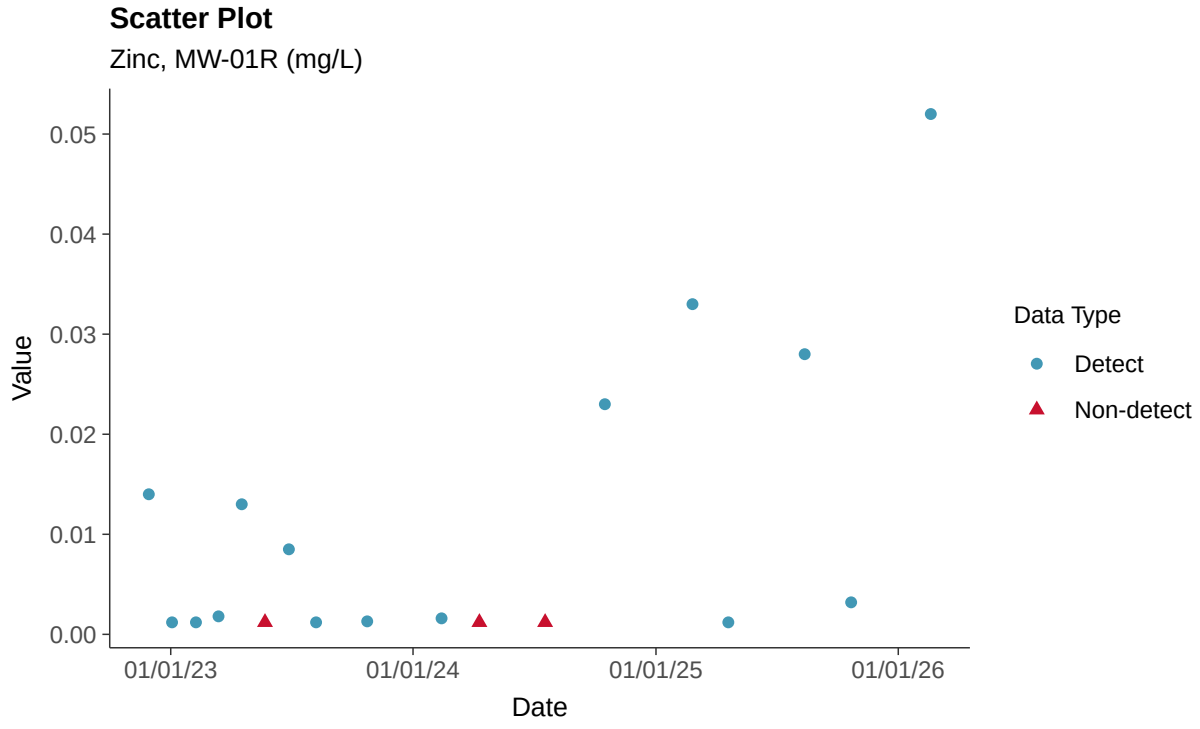
Trend Regression: Piecewise Linear-Linear-Linear

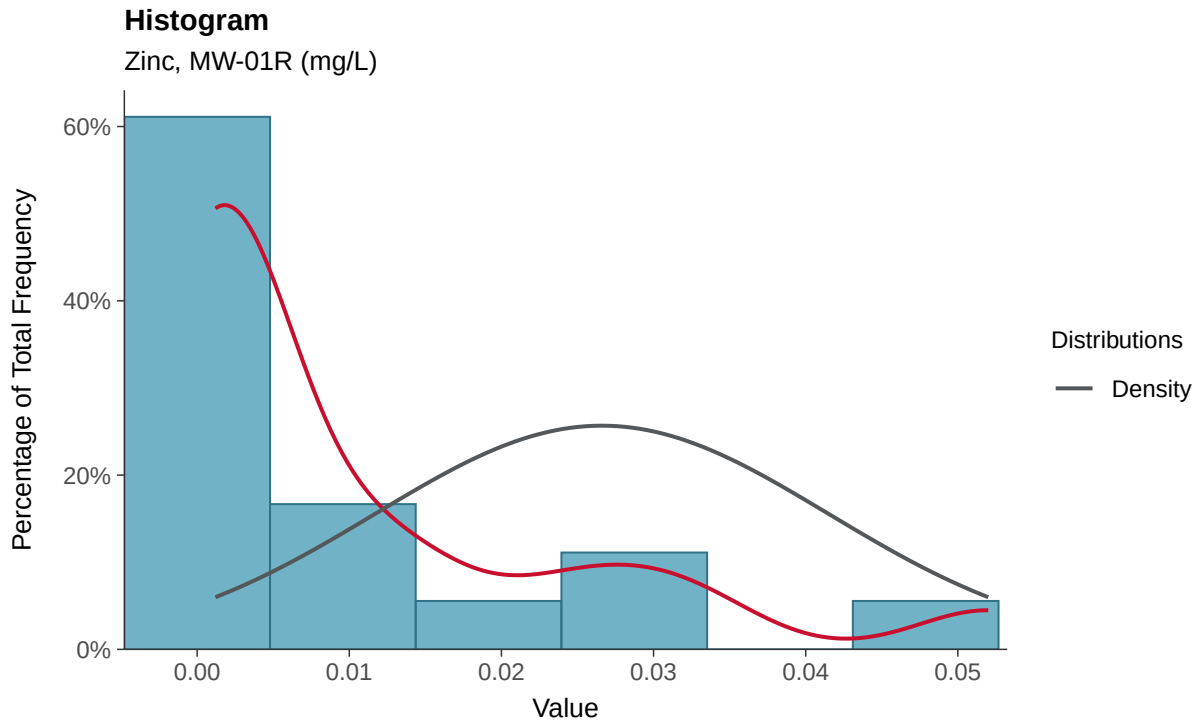
Vanadium, MW-01R (mg/L)



Part 115: Zinc, MW-01R

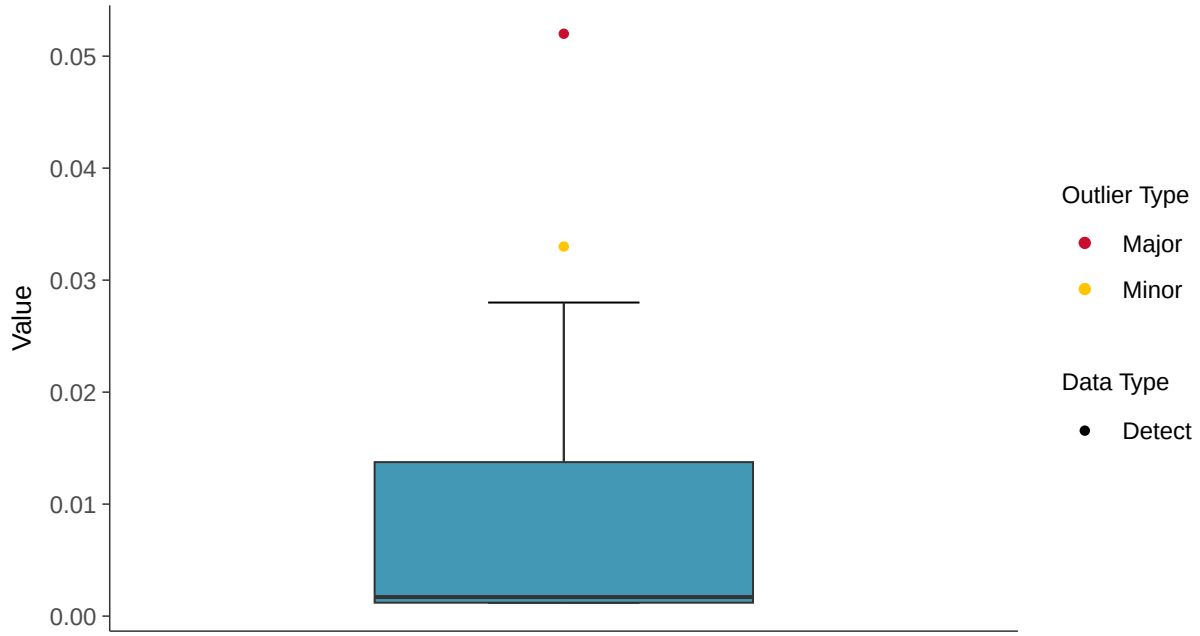
ID: 11_2_5_129





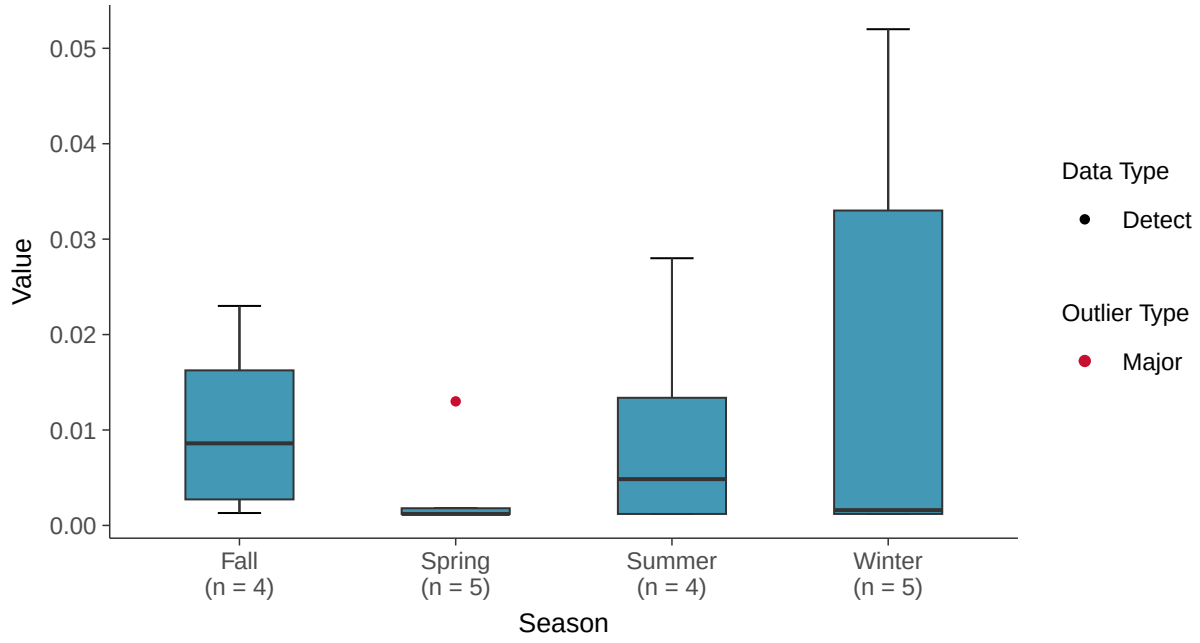
Boxplot

Zinc, MW-01R (mg/L)



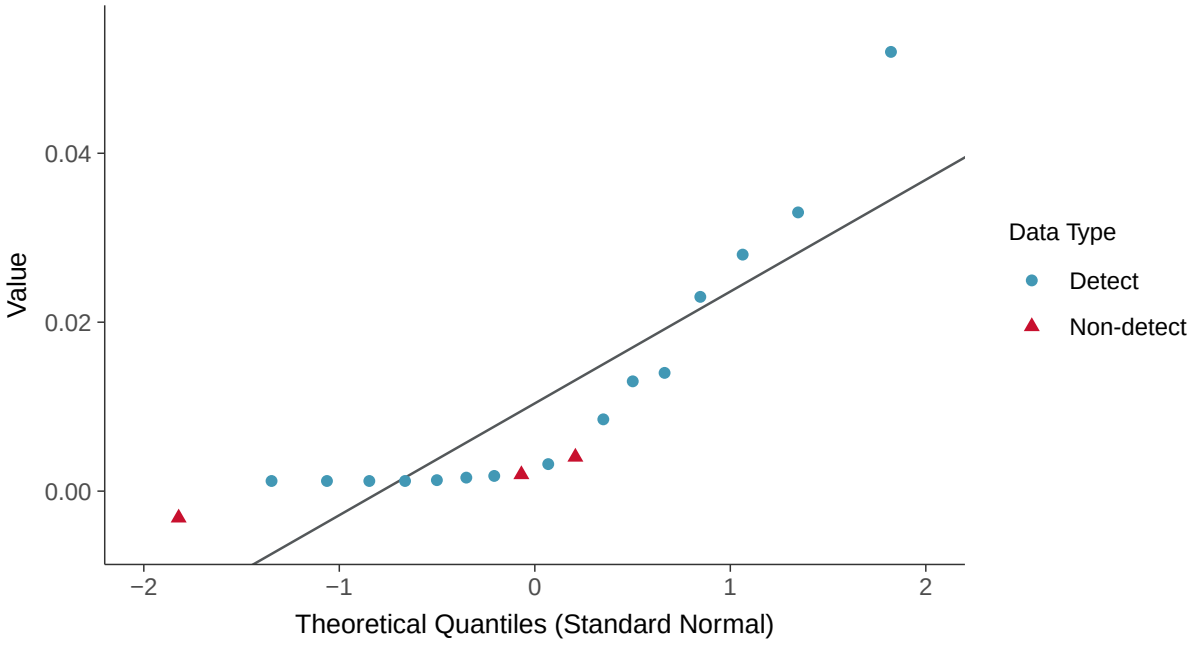
Boxplot by Season

Zinc, MW-01R (mg/L)



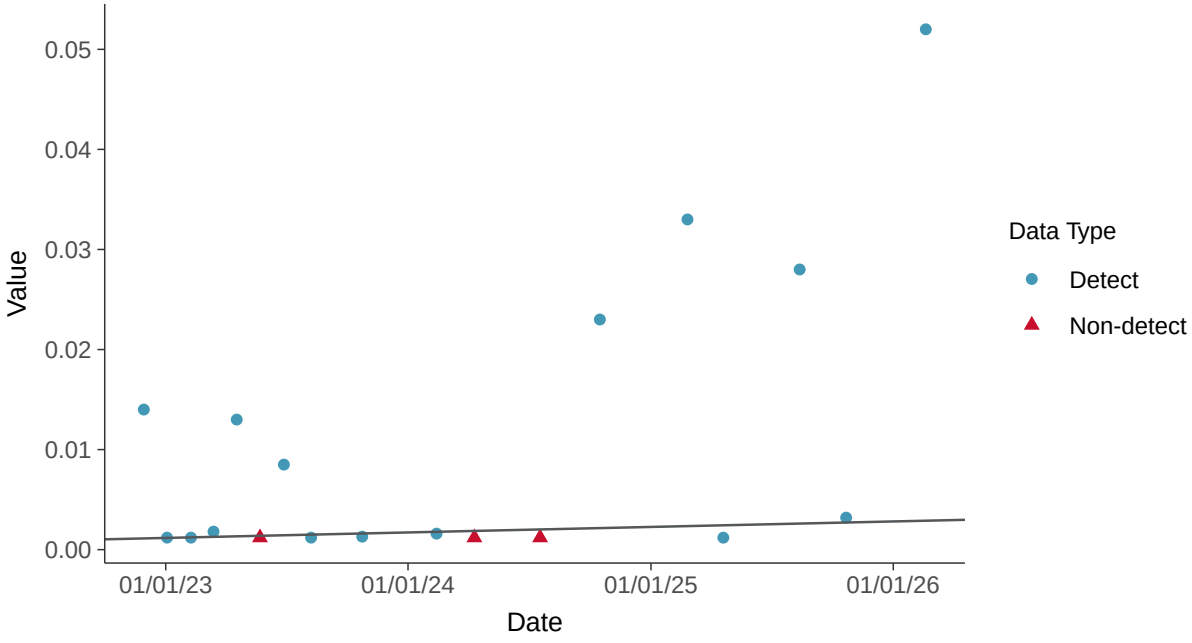
Normal Q-Q plot using ROS Imputed Estimates

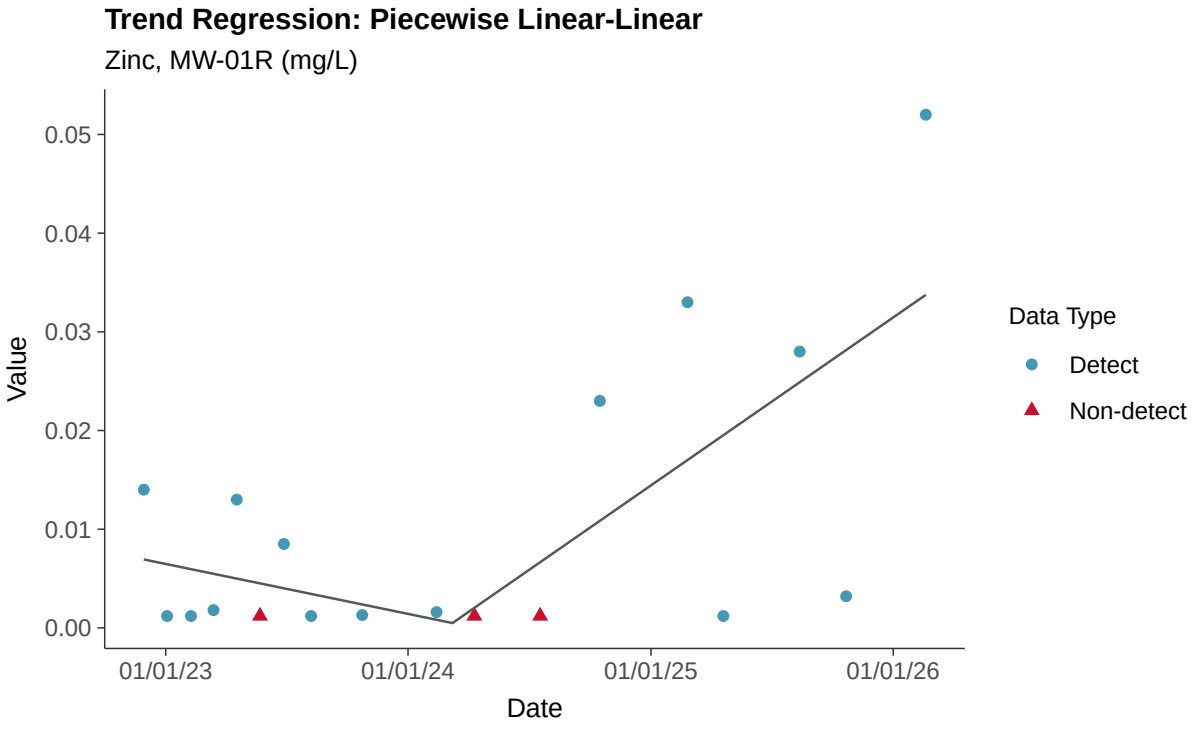
Zinc, MW-01R (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

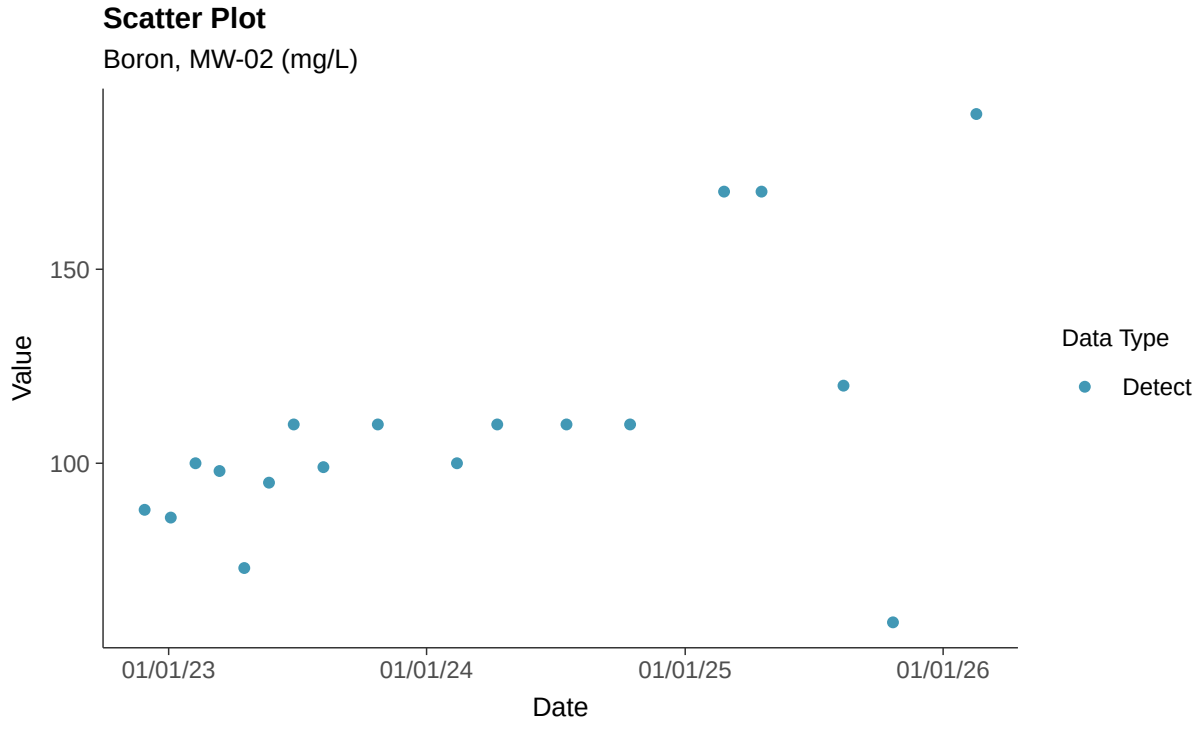
Zinc, MW-01R (mg/L)

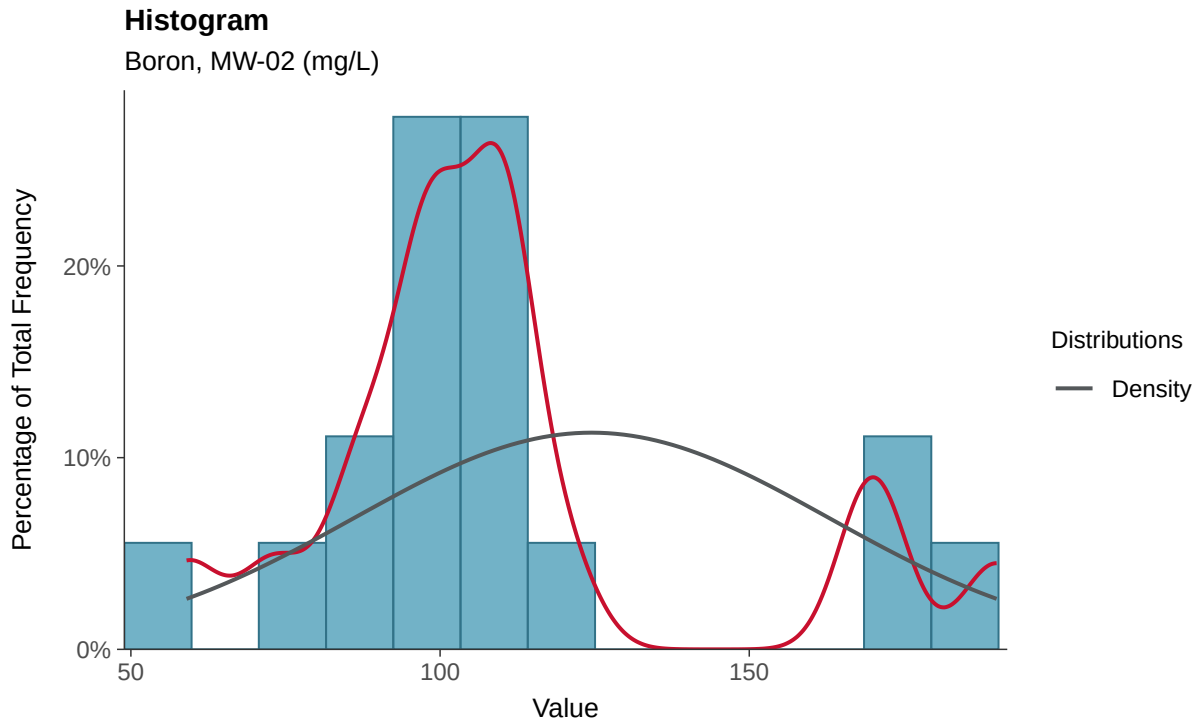



Trend Regression: Piecewise Linear-Linear
Zinc, MW-01R (mg/L)
Value
0.05
0.04
0.03
0.02
0.01
0.00
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: Boron, MW-02

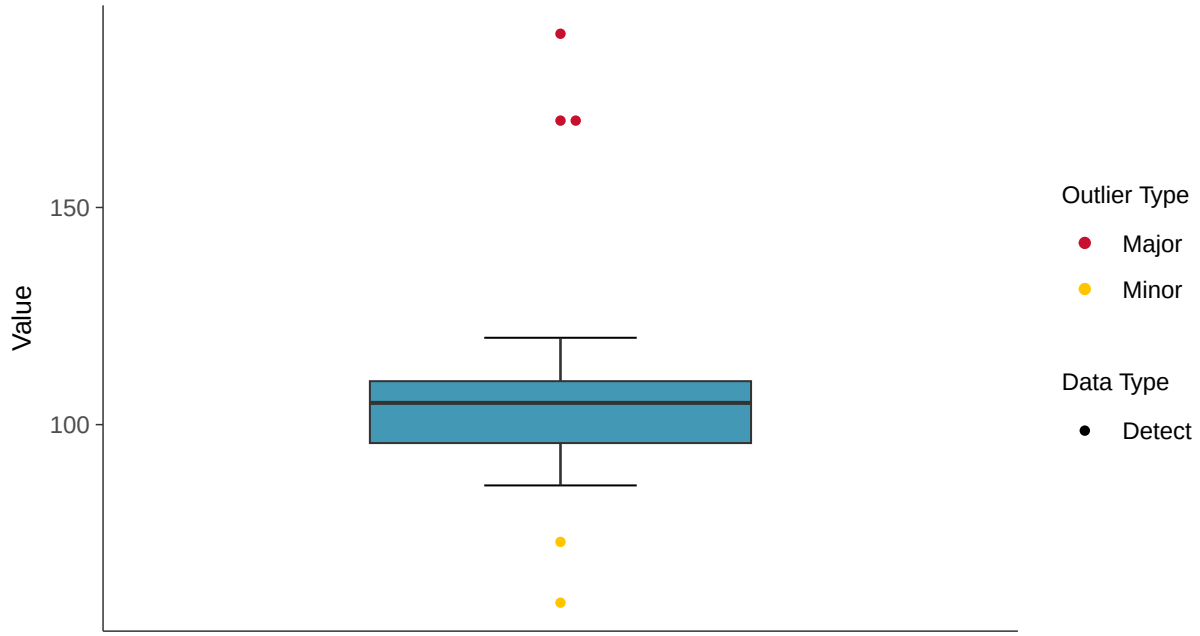
ID: 12_2_3_105





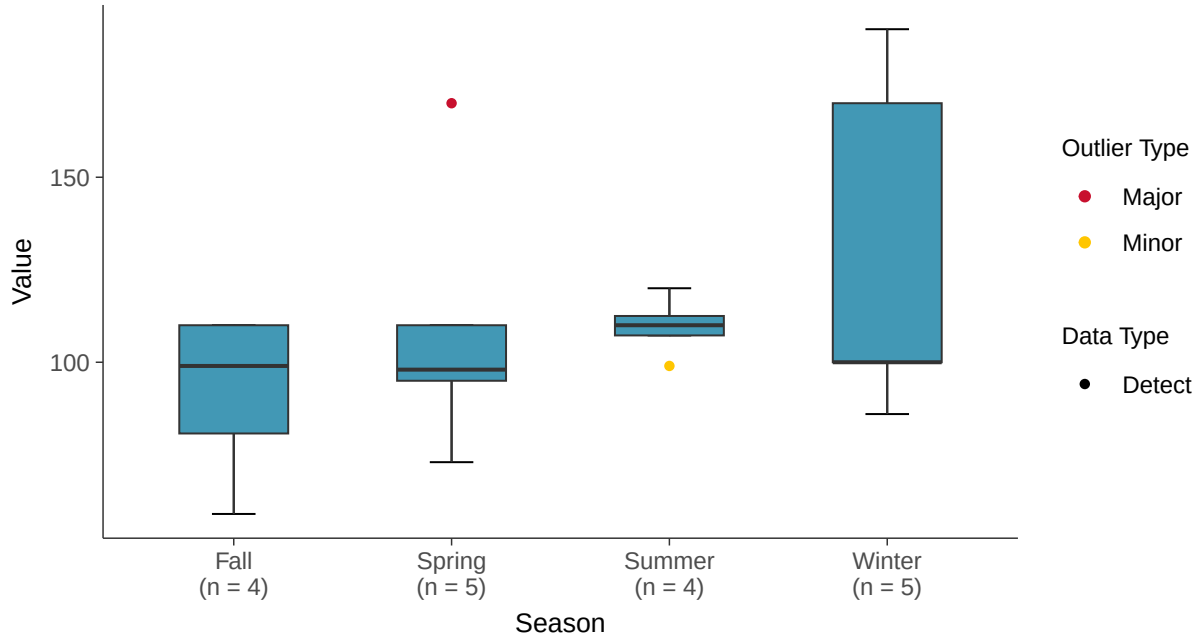
Boxplot

Boron, MW-02 (mg/L)



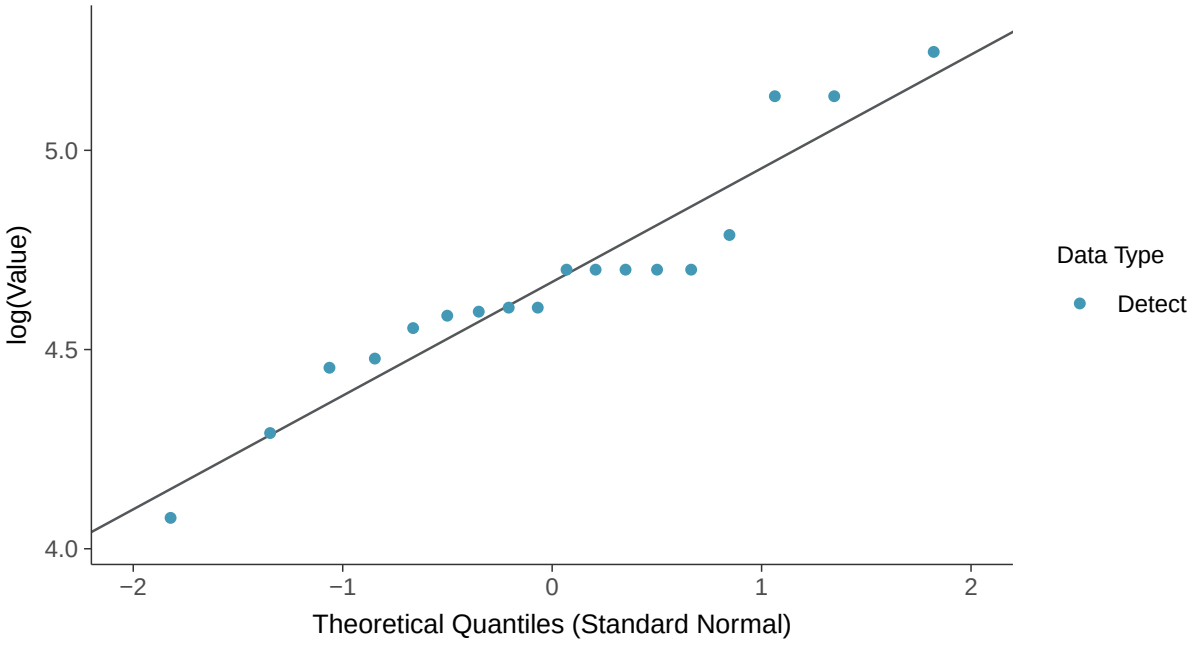
Boxplot by Season

Boron, MW-02 (mg/L)



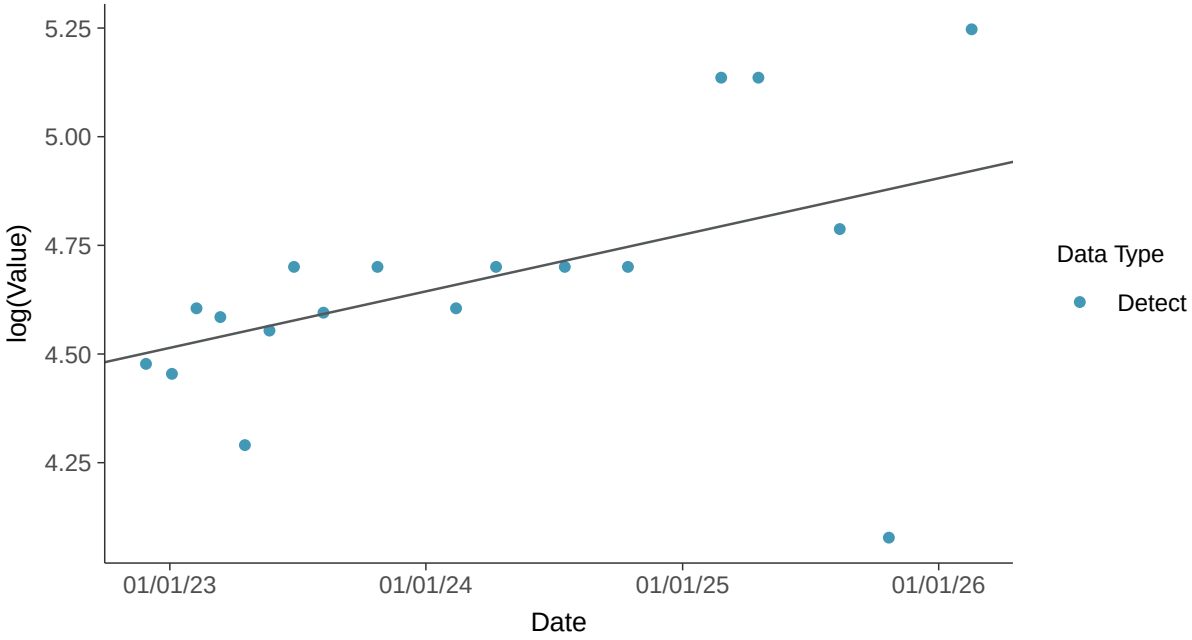
Lognormal Q-Q plot

Boron, MW-02 (mg/L)



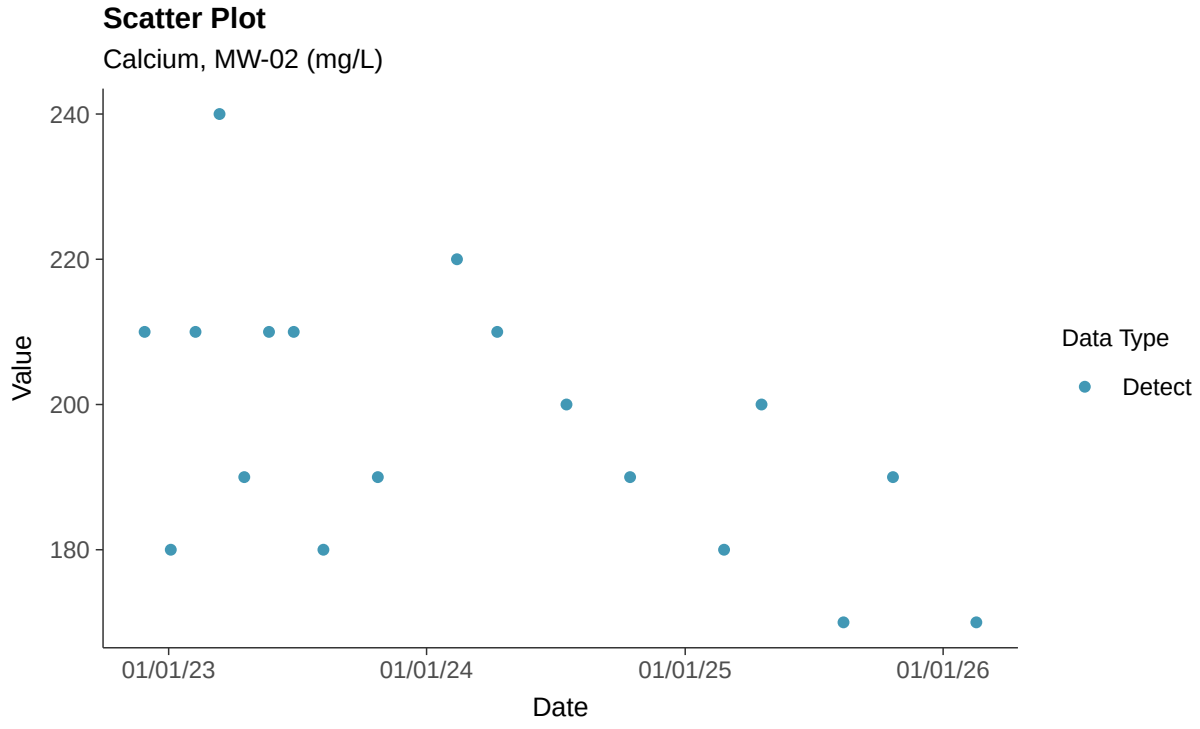
Trend Regression: Lognormal MLE

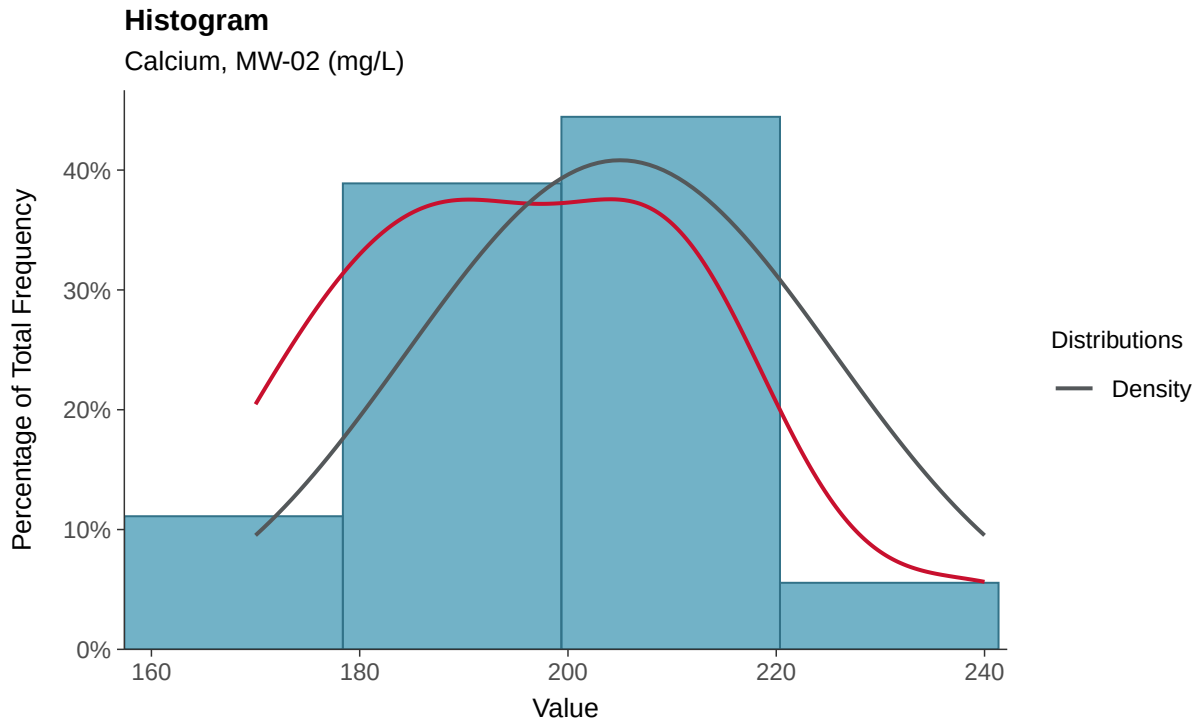
Boron, MW-02 (mg/L)



Appendix III: Calcium, MW-02

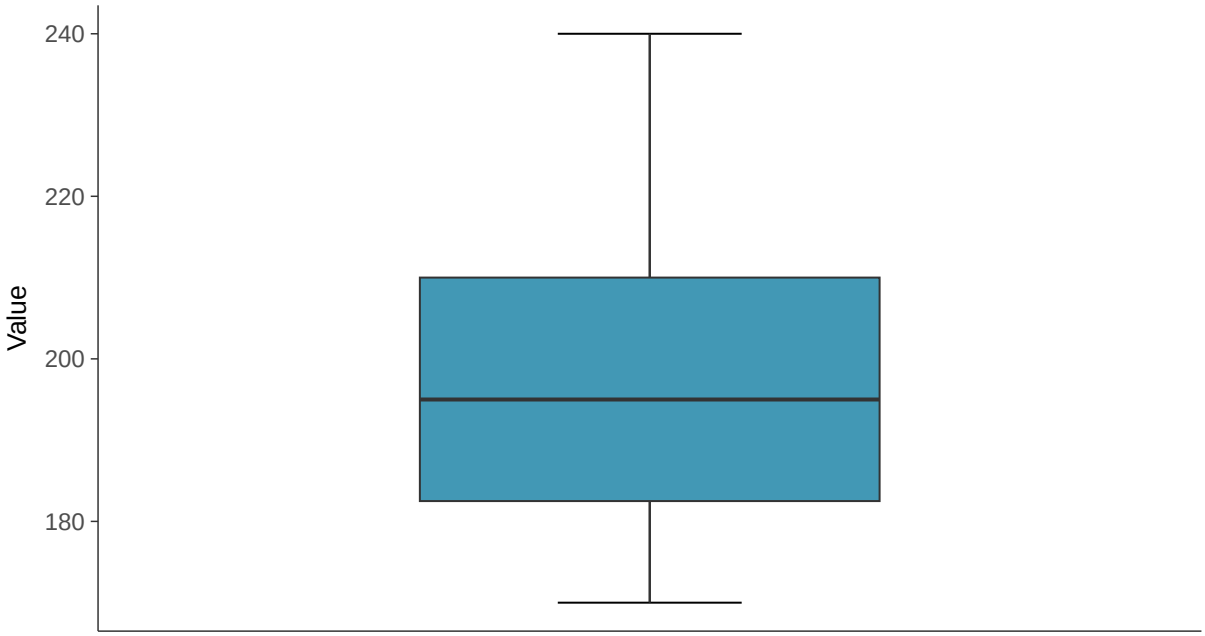
ID: 12_2_3_107





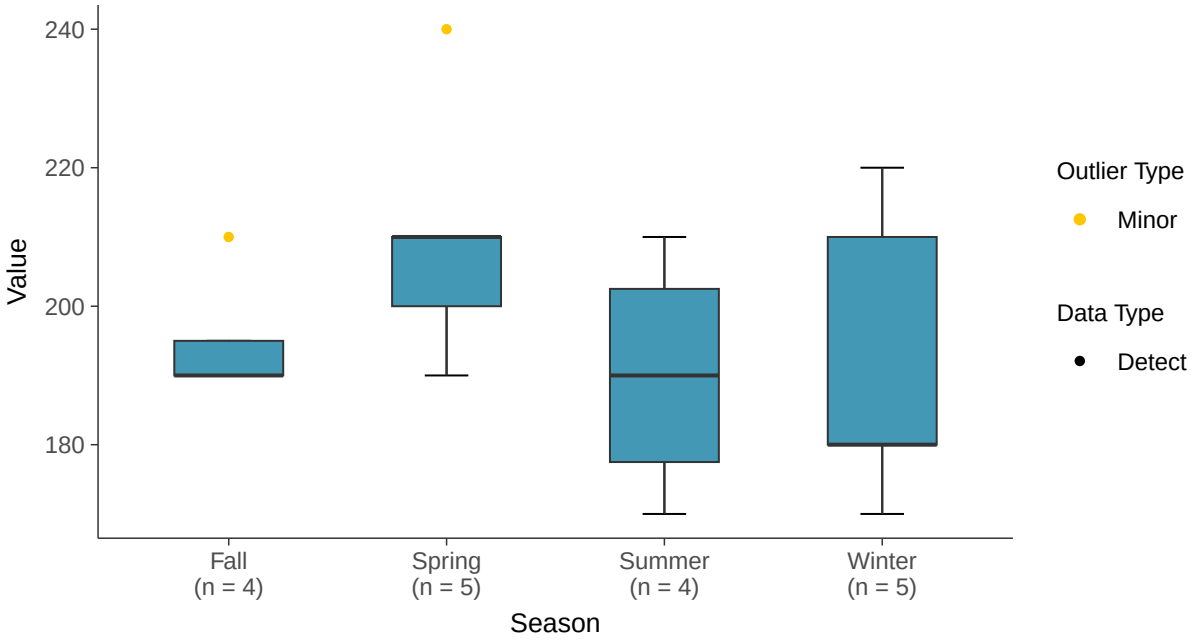
Boxplot

Calcium, MW-02 (mg/L)



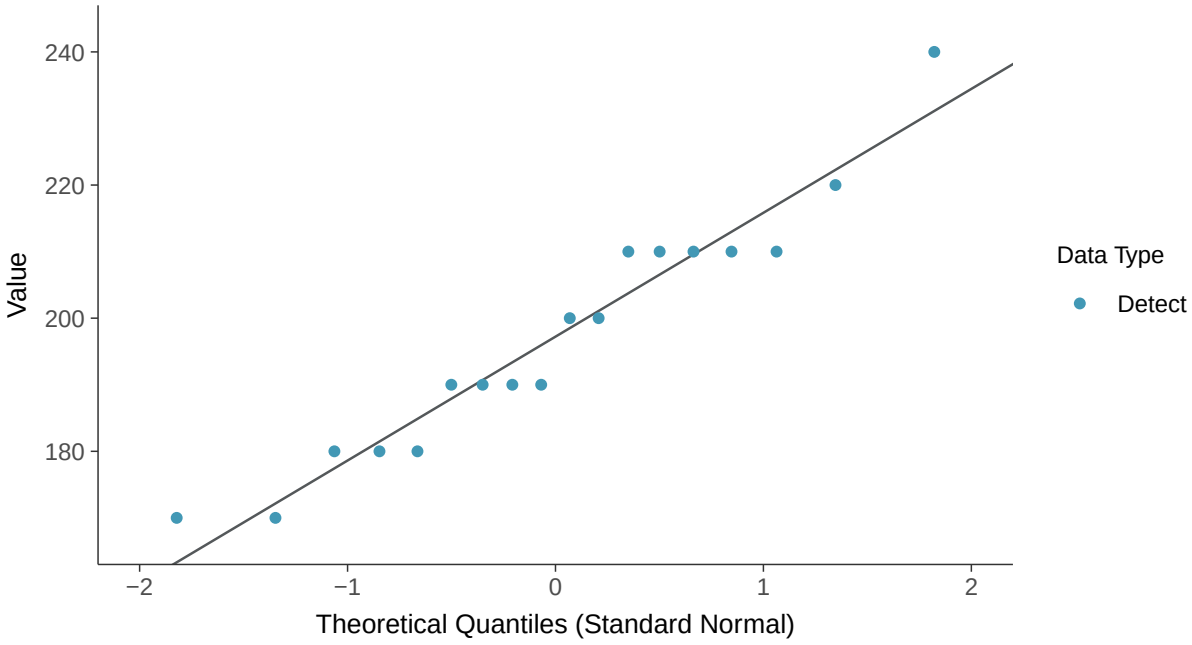
Boxplot by Season

Calcium, MW-02 (mg/L)



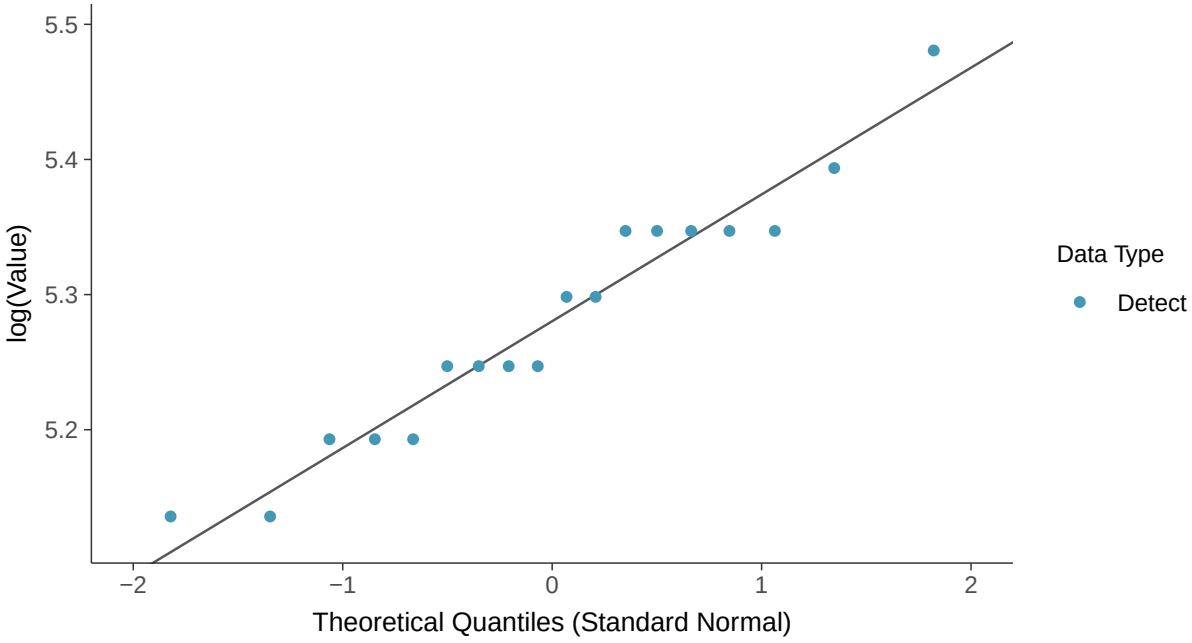
Normal Q-Q plot

Calcium, MW-02 (mg/L)



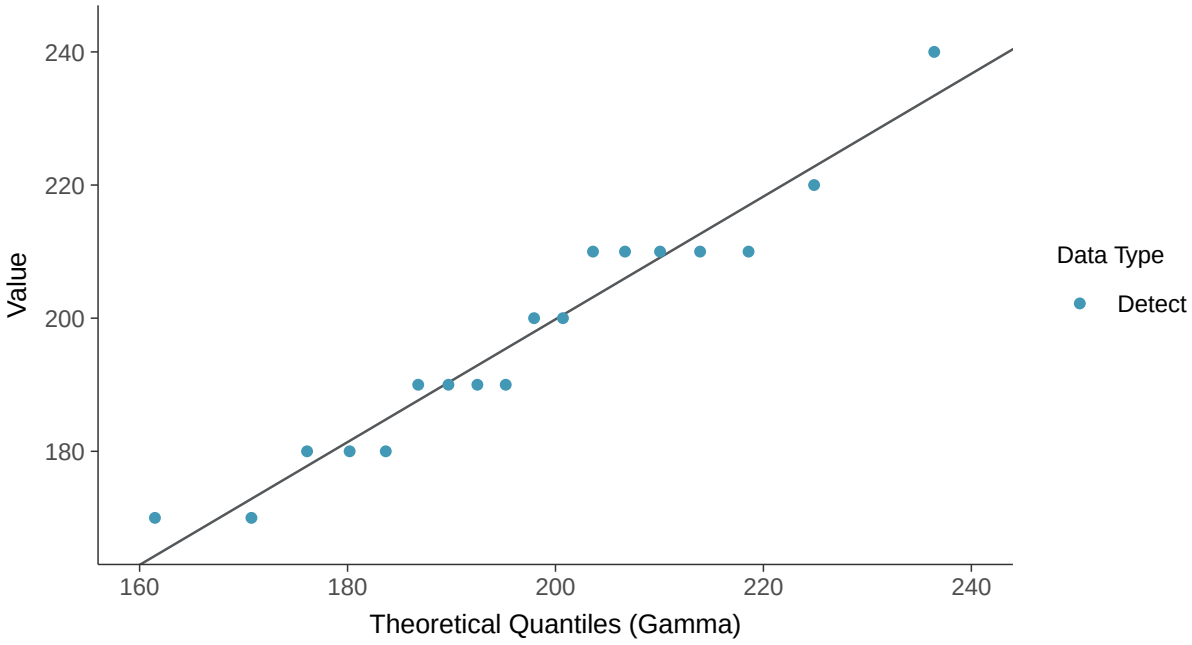
Lognormal Q-Q plot

Calcium, MW-02 (mg/L)



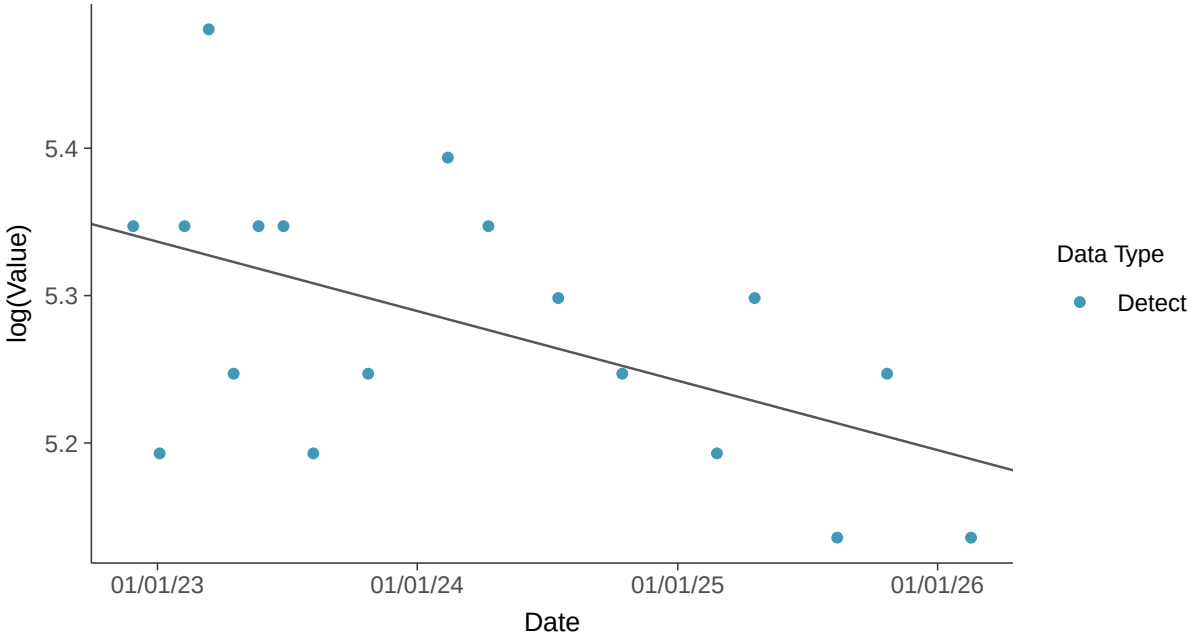
Gamma Q-Q plot

Calcium, MW-02 (mg/L)



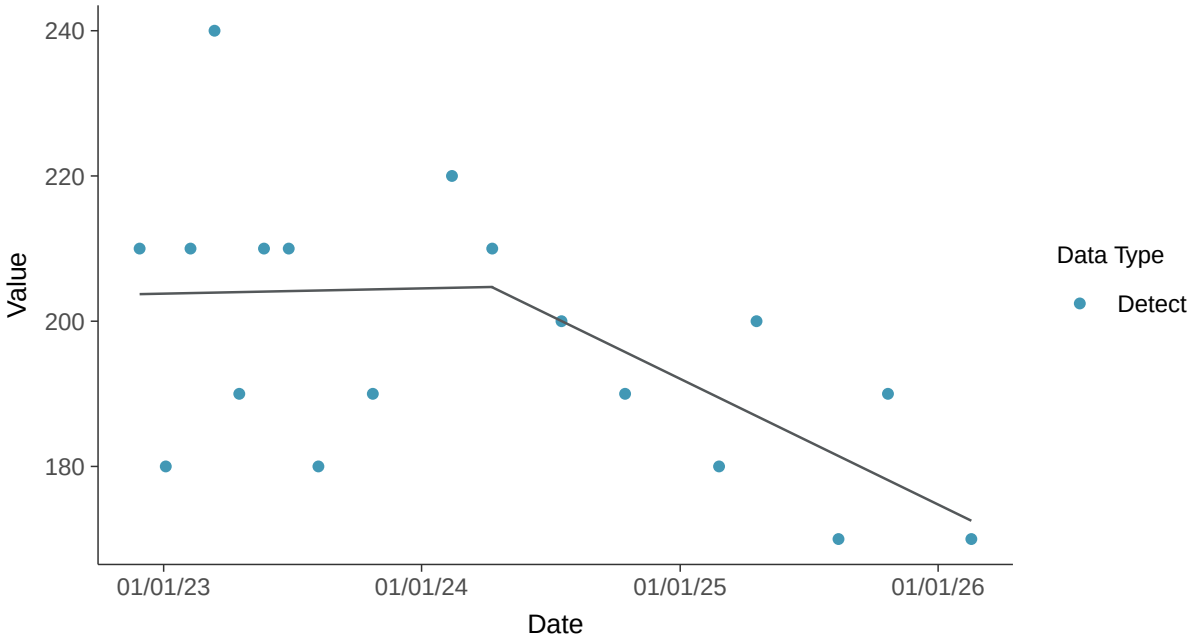
Trend Regression: Lognormal MLE

Calcium, MW-02 (mg/L)



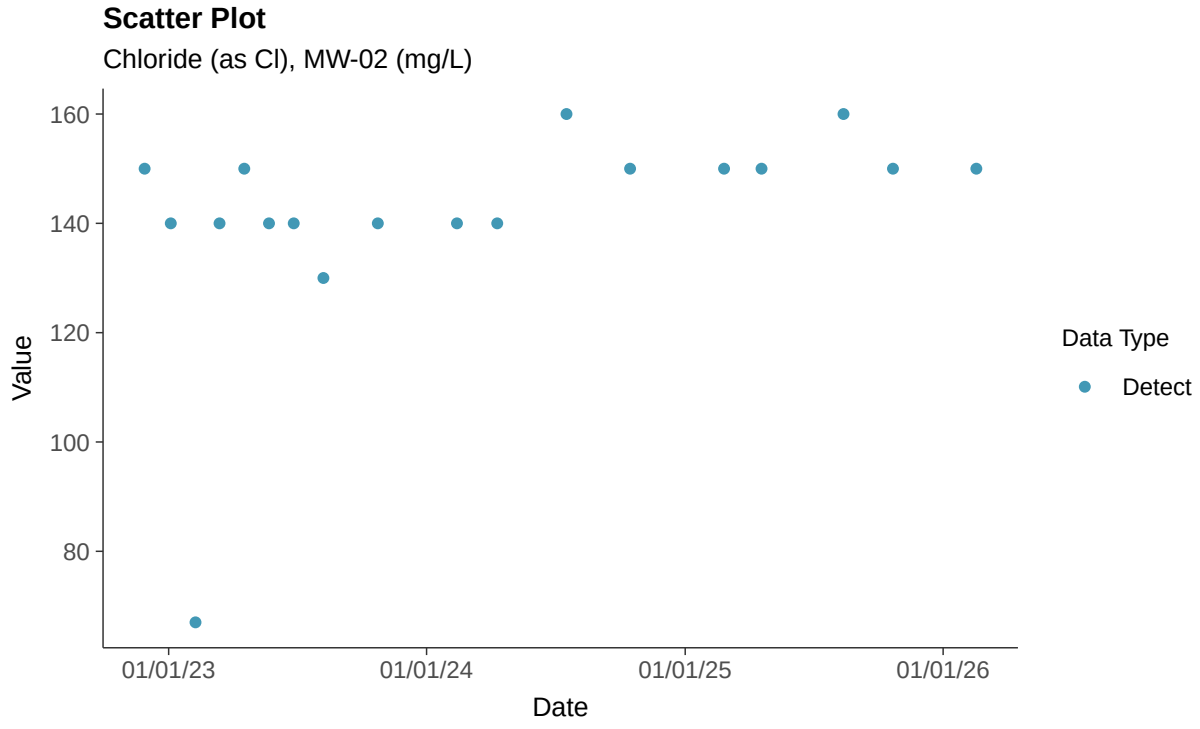
Trend Regression: Piecewise Linear-Linear

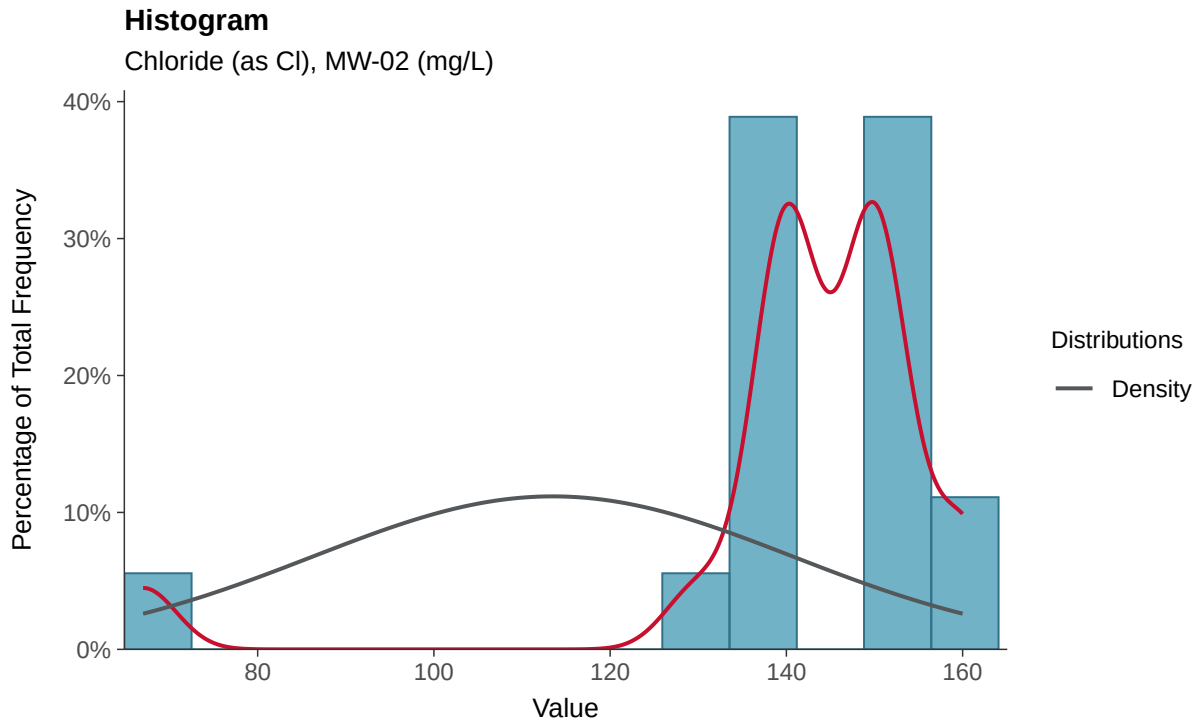
Calcium, MW-02 (mg/L)



Appendix III: Chloride (as Cl), MW-02

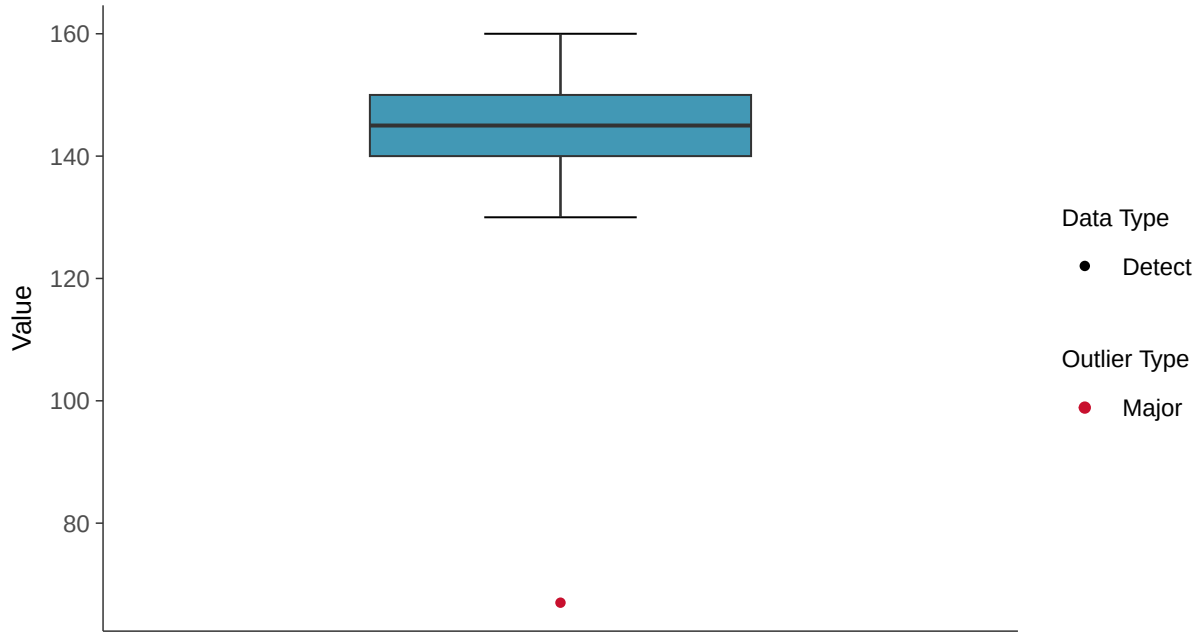
ID: 12_2_3_108





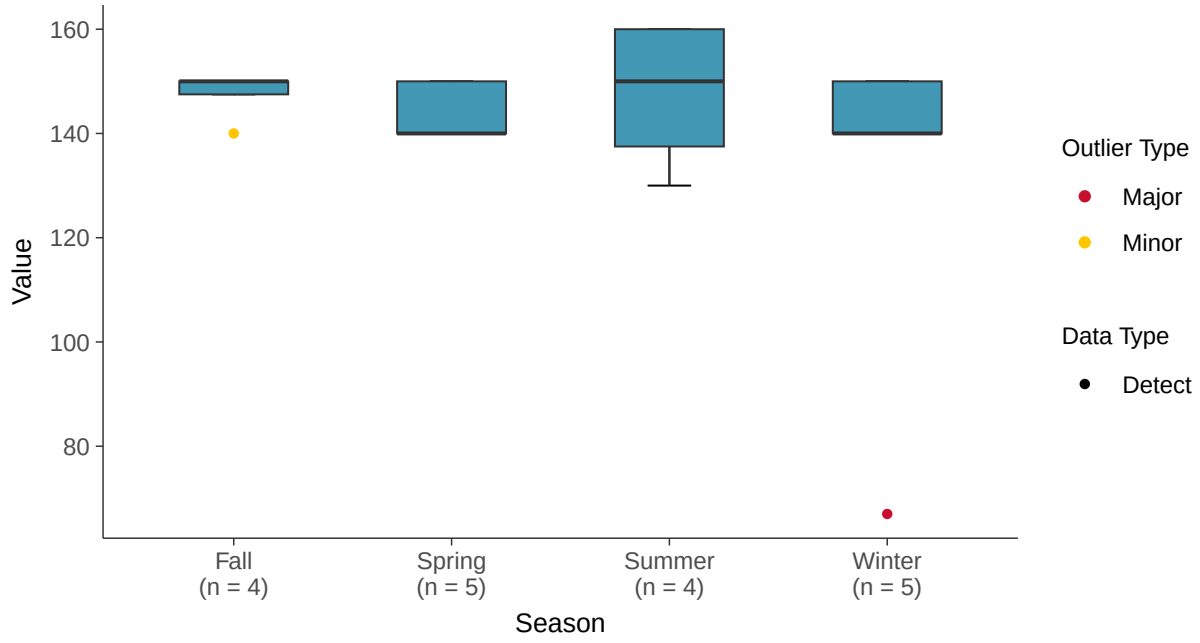
Boxplot

Chloride (as Cl), MW-02 (mg/L)



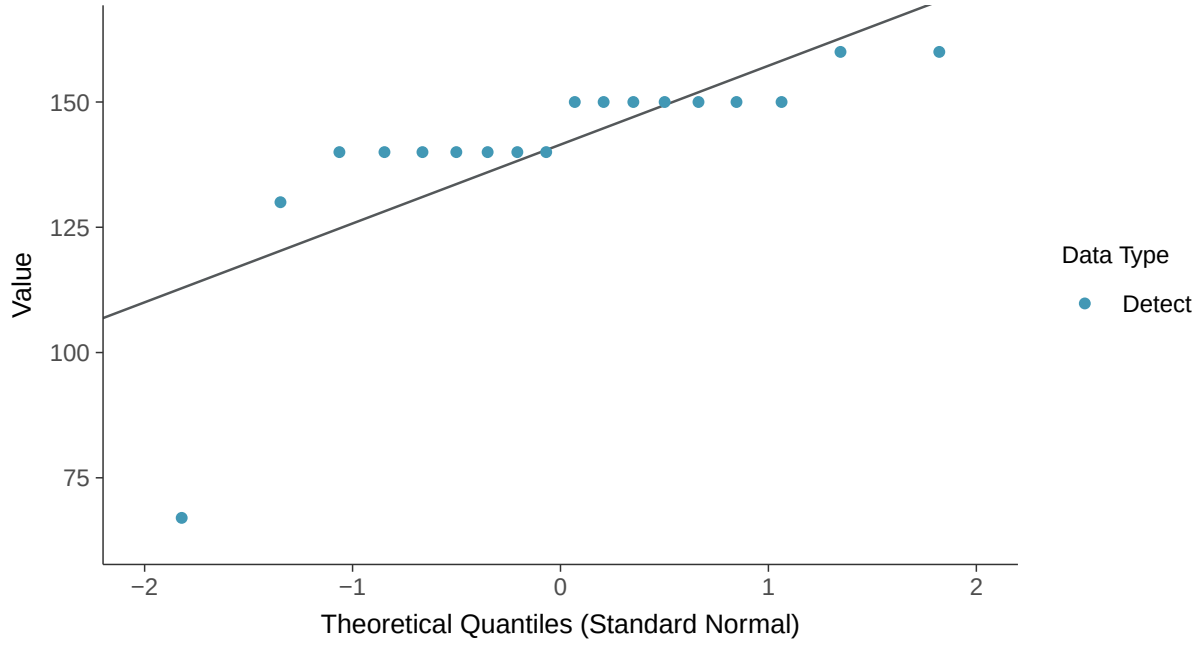
Boxplot by Season

Chloride (as Cl), MW-02 (mg/L)



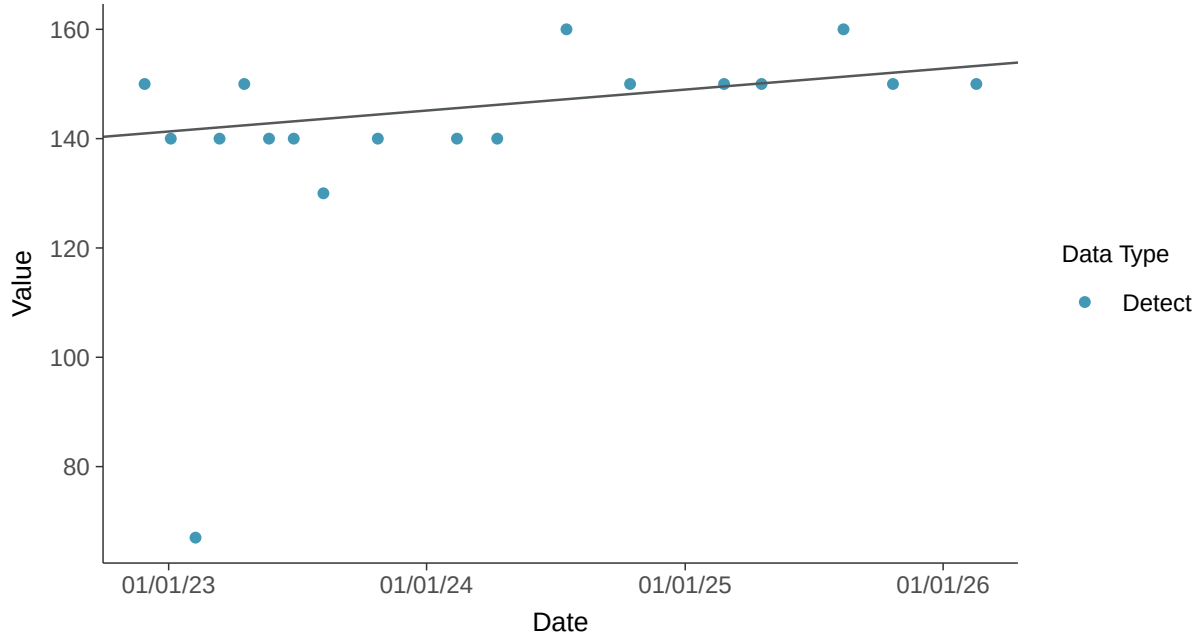
Normal Q-Q plot

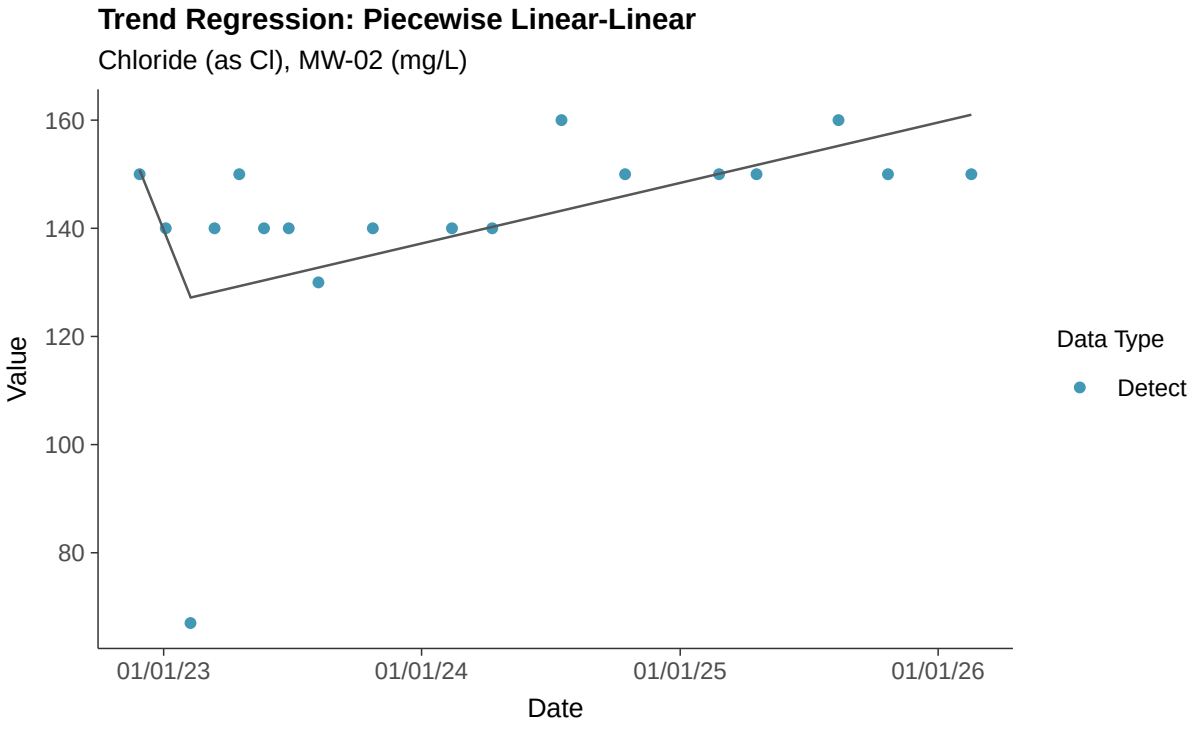
Chloride (as Cl), MW-02 (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

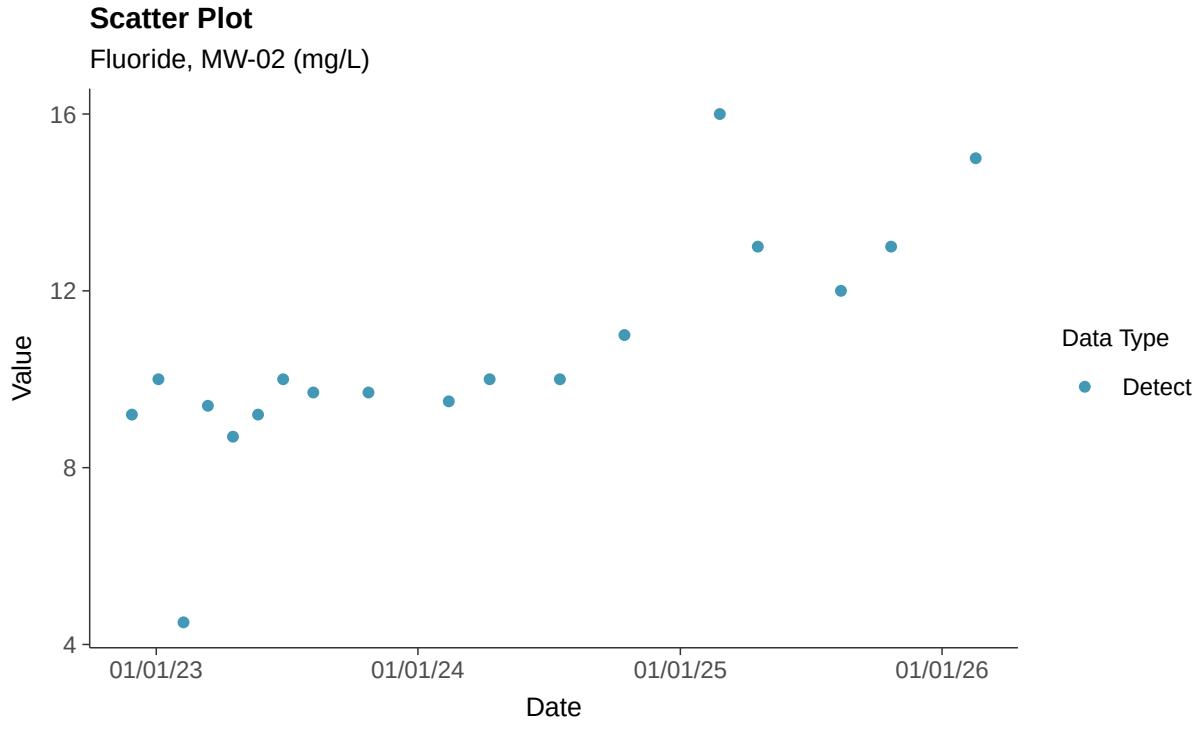
Chloride (as Cl), MW-02 (mg/L)

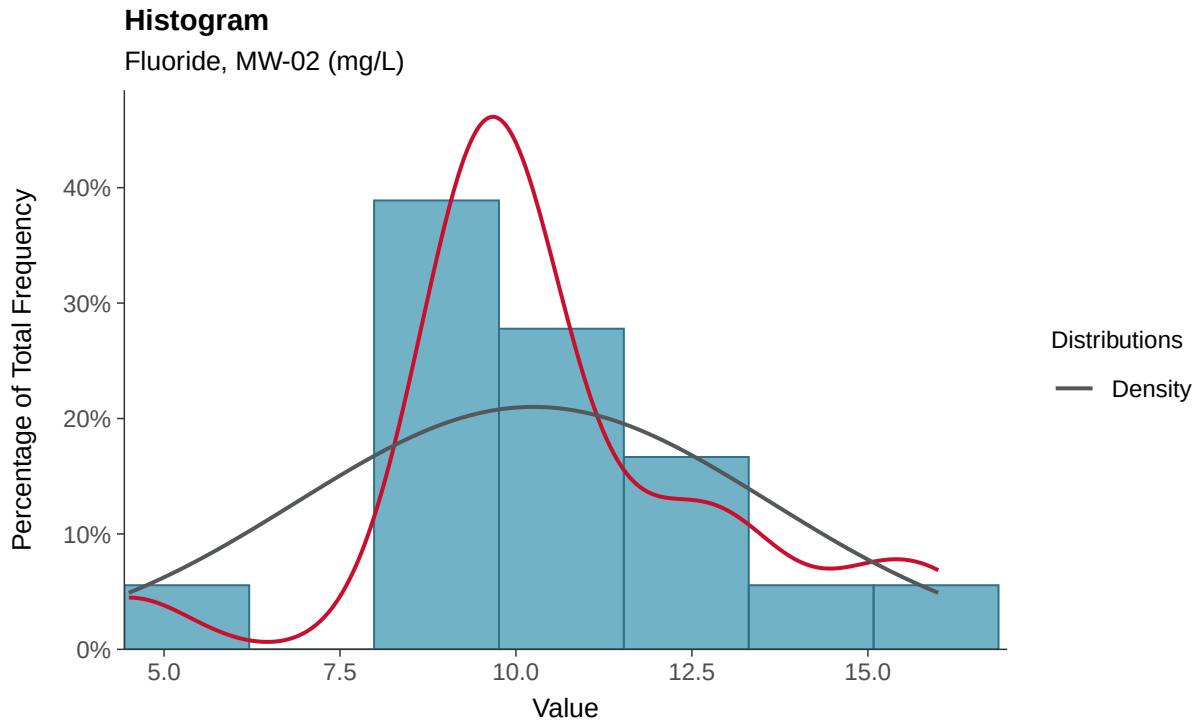



Trend Regression: Piecewise Linear-Linear
Chloride (as Cl), MW-02 (mg/L)
160
140
120
100
80
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Fluoride, MW-02

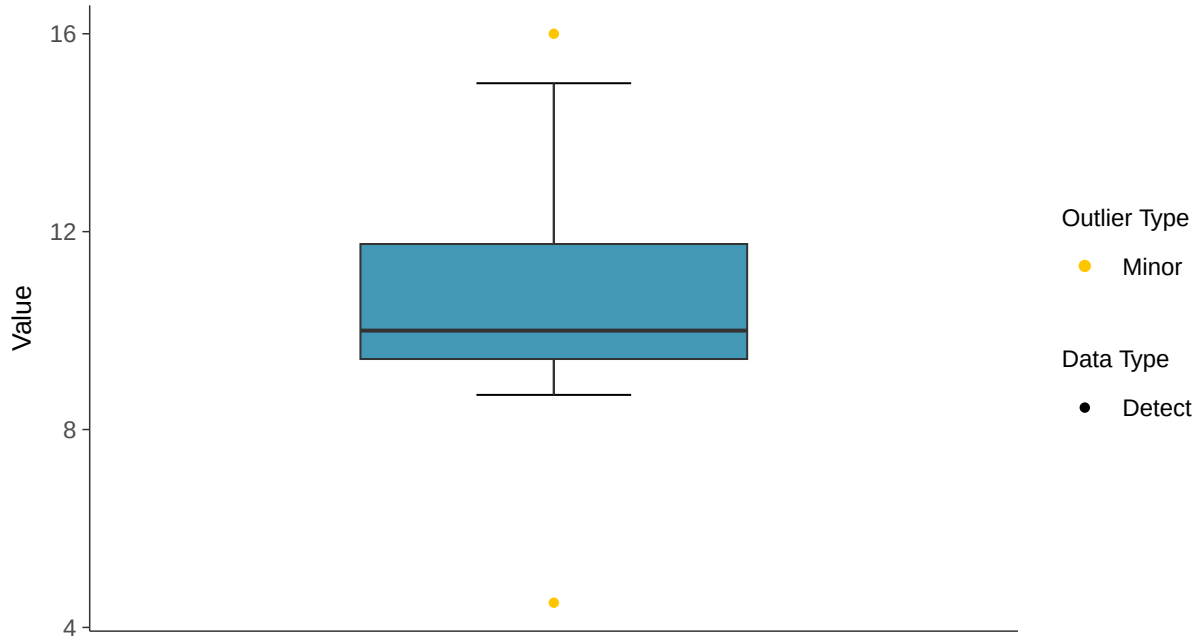
ID: 12_2_3_112





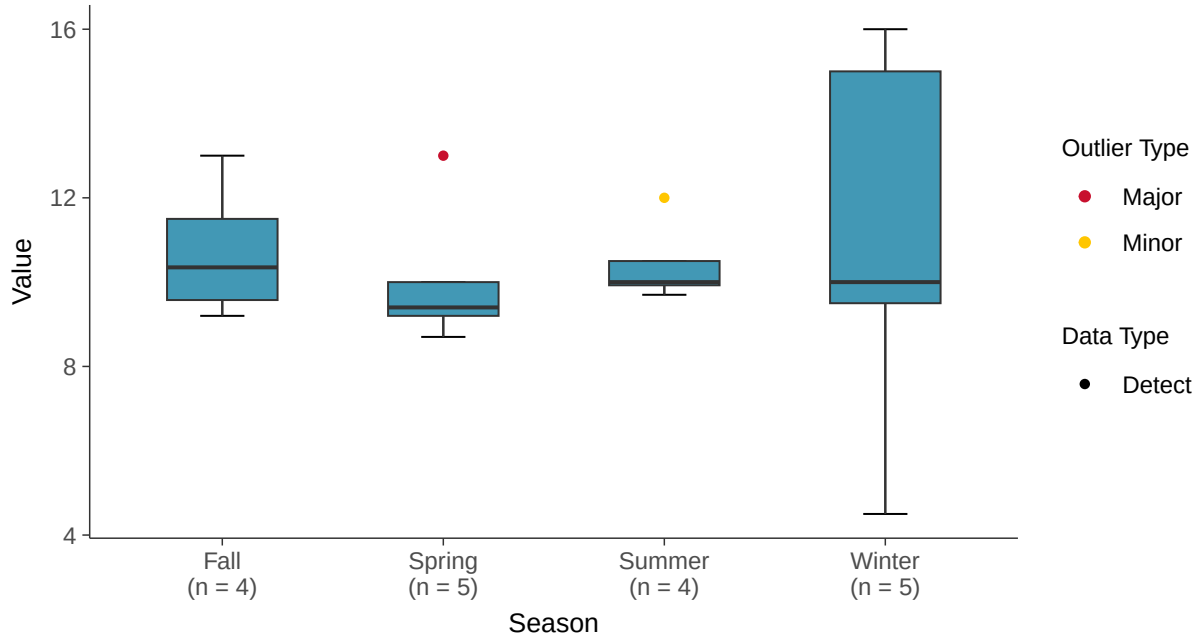
Boxplot

Fluoride, MW-02 (mg/L)



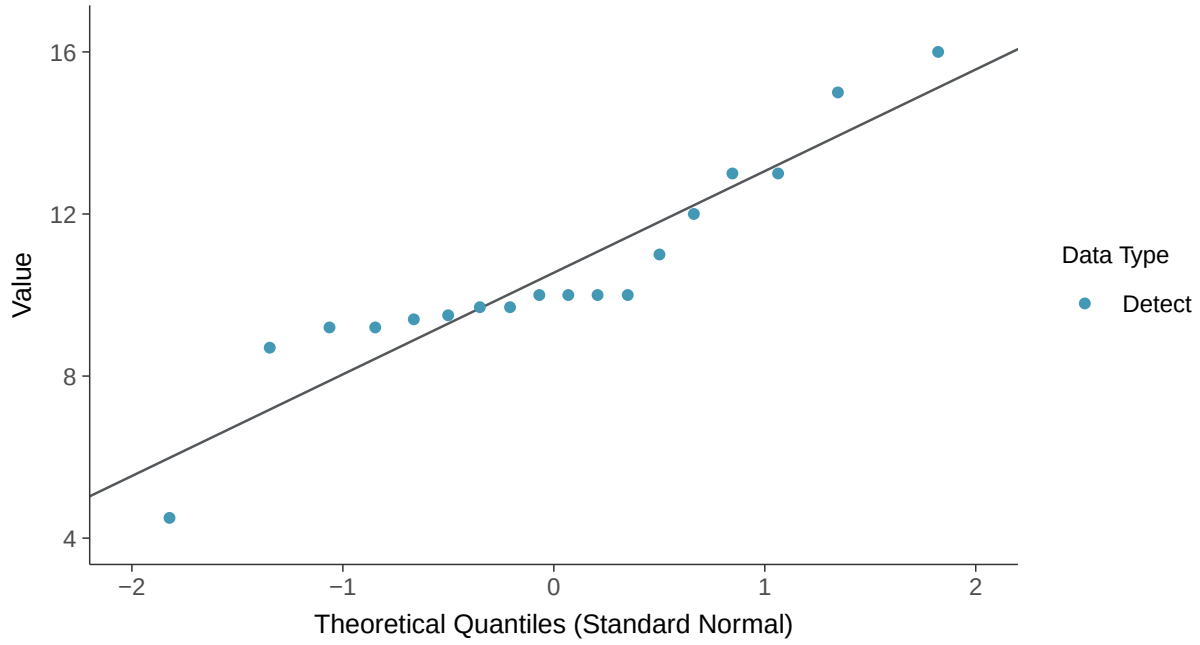
Boxplot by Season

Fluoride, MW-02 (mg/L)



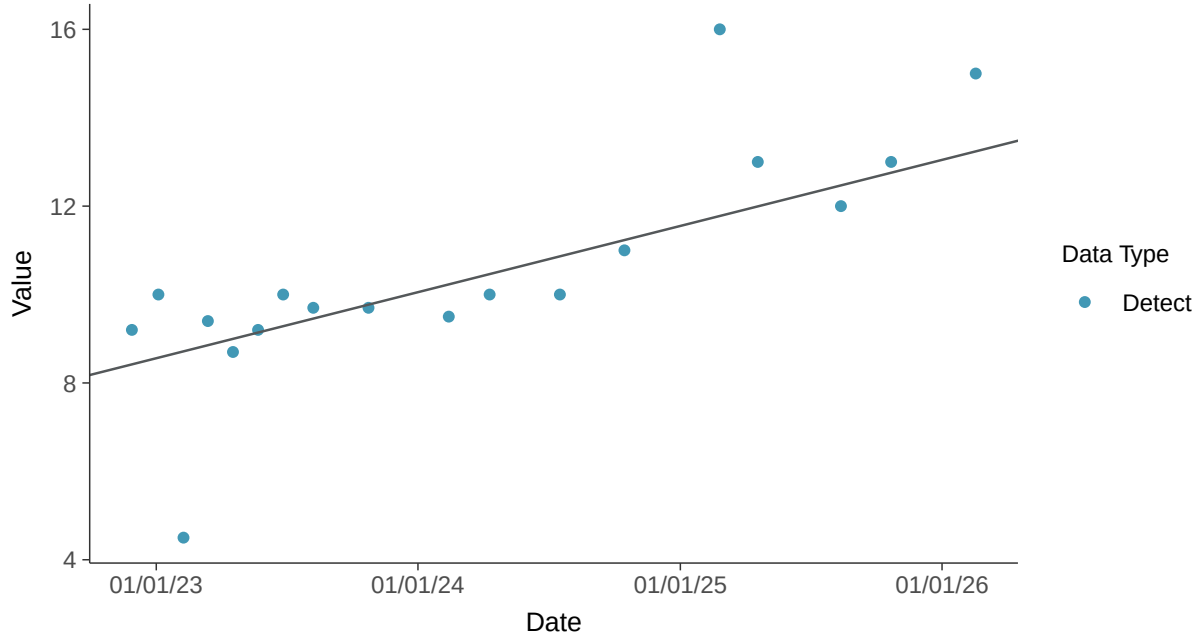
Normal Q-Q plot

Fluoride, MW-02 (mg/L)



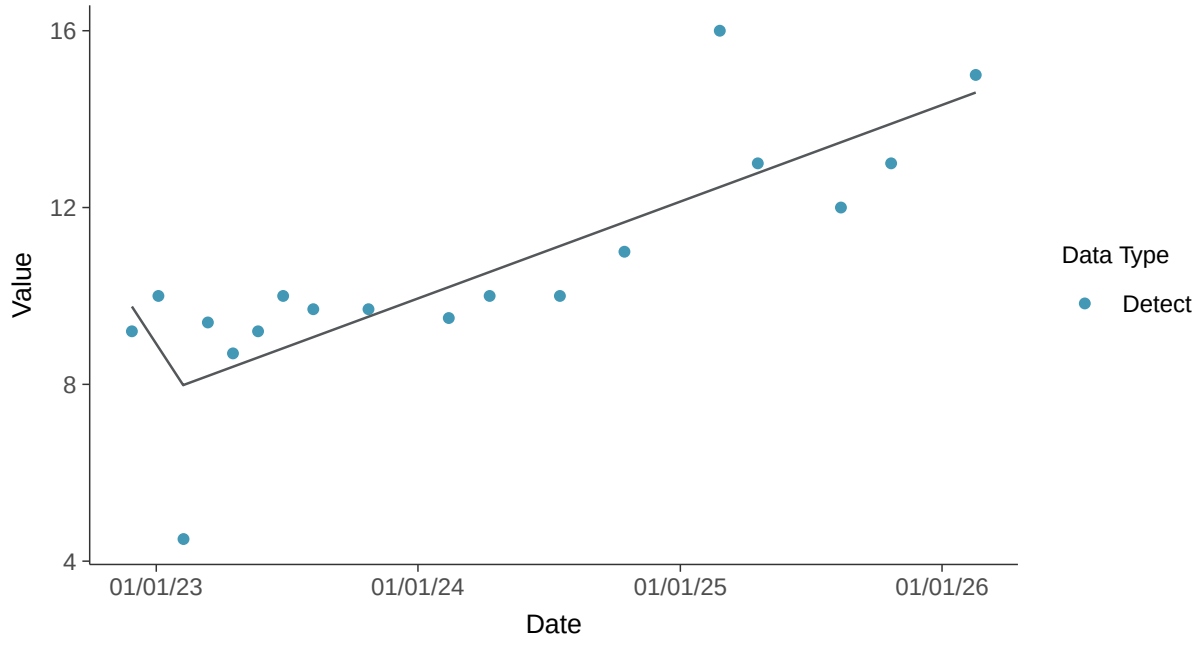
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride, MW-02 (mg/L)



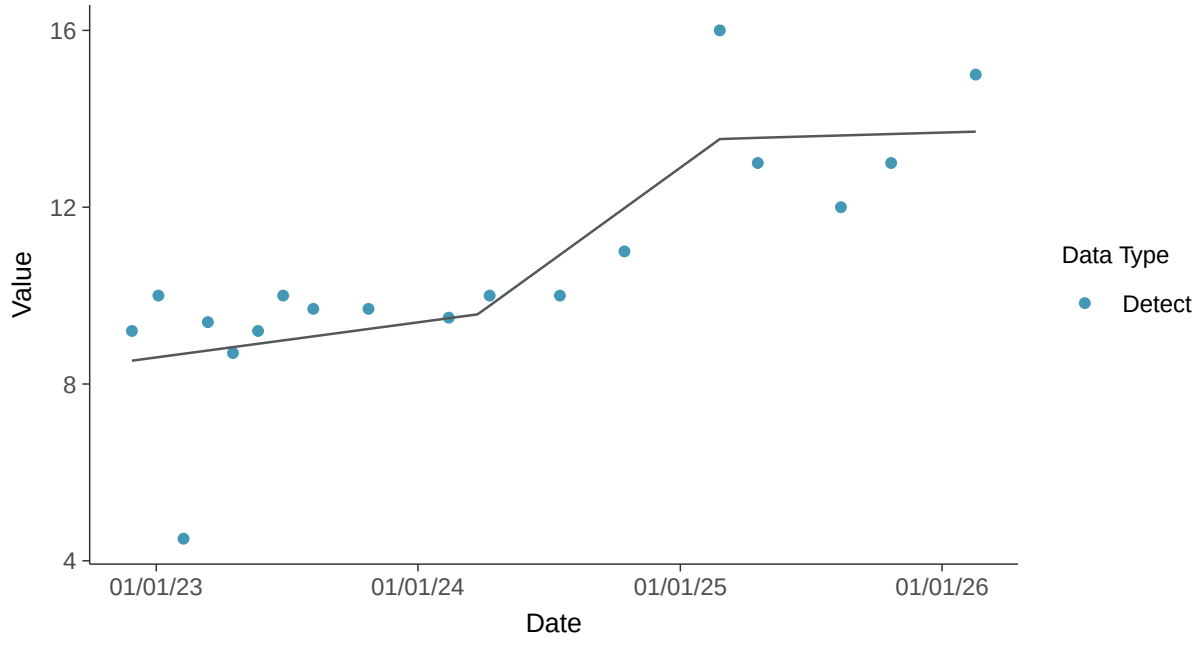
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-02 (mg/L)



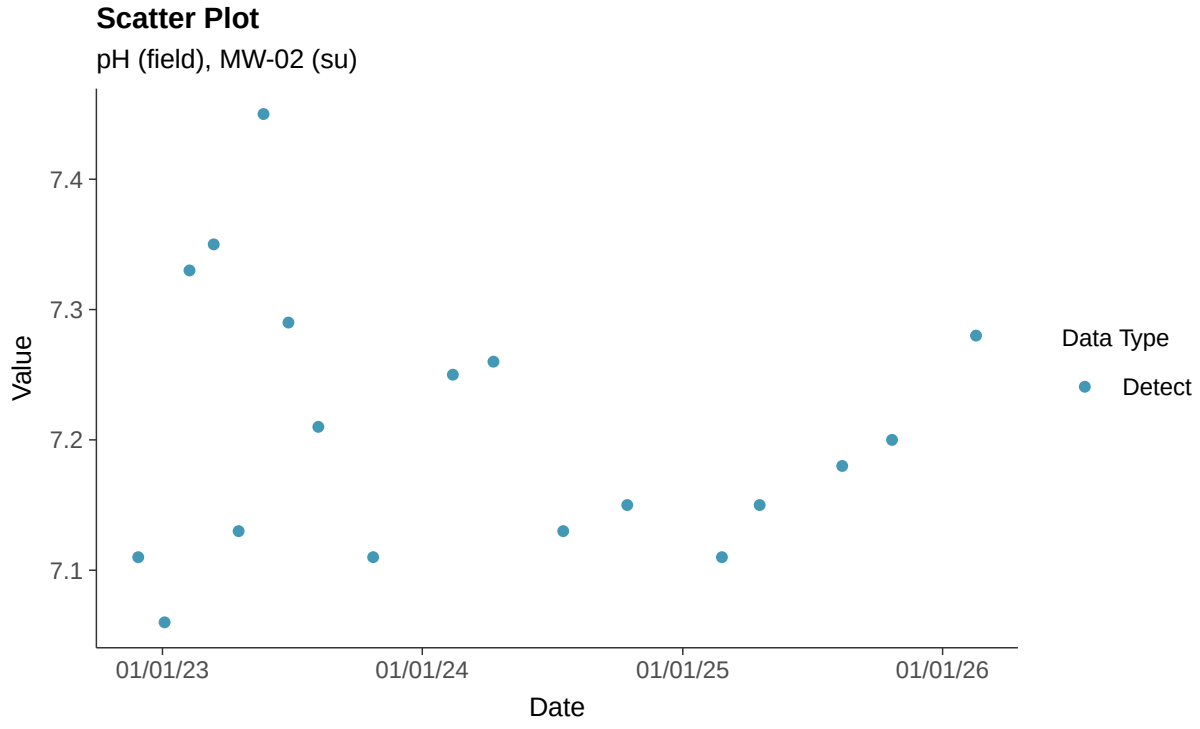
Trend Regression: Piecewise Linear-Linear-Linear

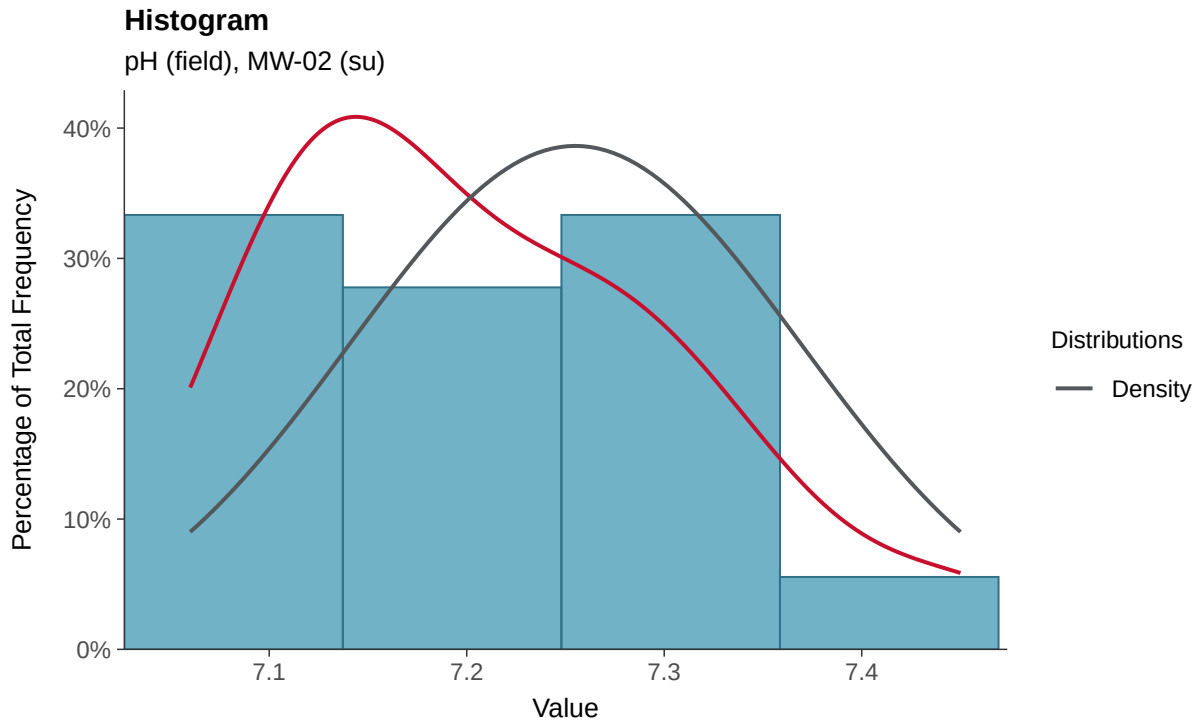
Fluoride, MW-02 (mg/L)



Appendix III: pH (field), MW-02

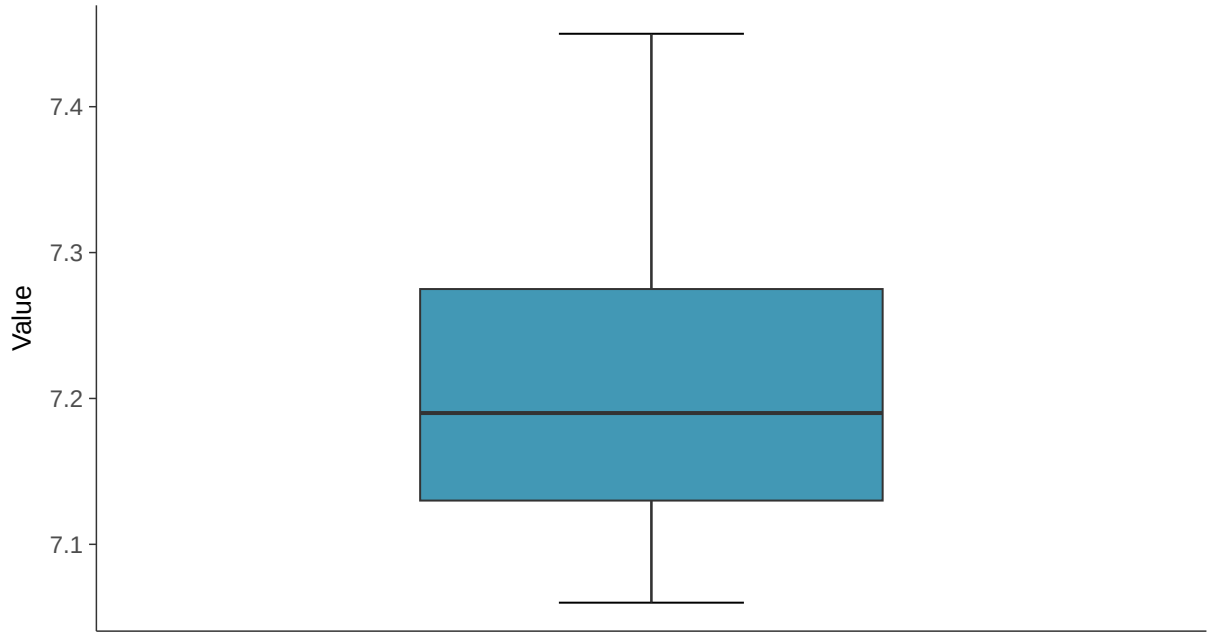
ID: 12_2_3_120





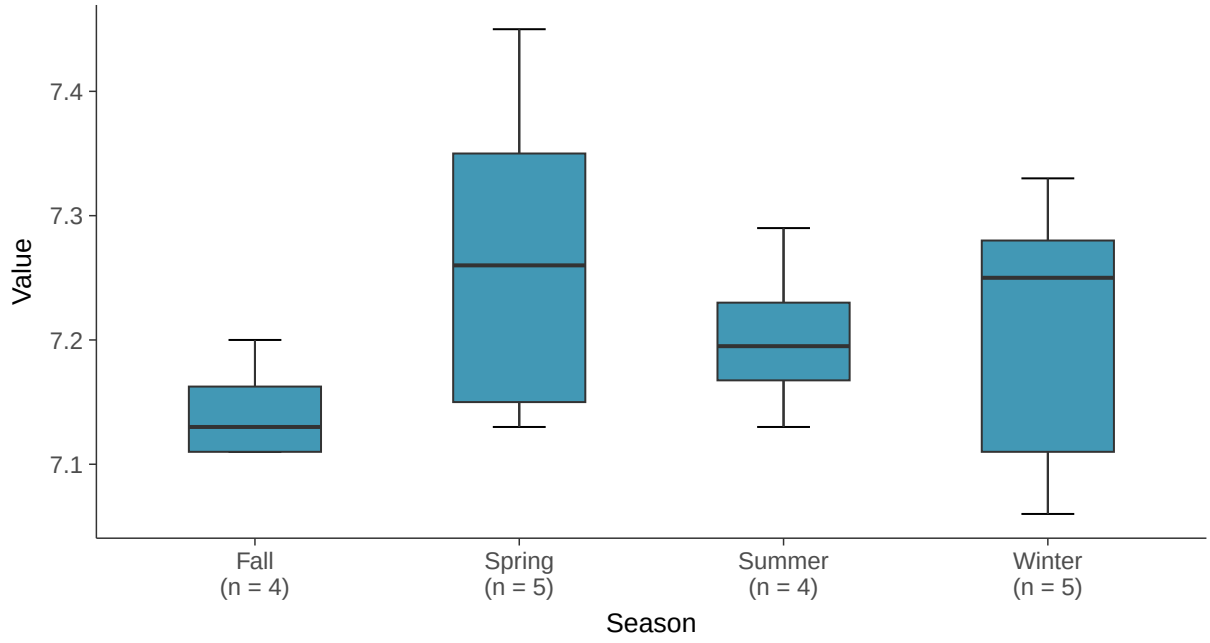
Boxplot

pH (field), MW-02 (su)



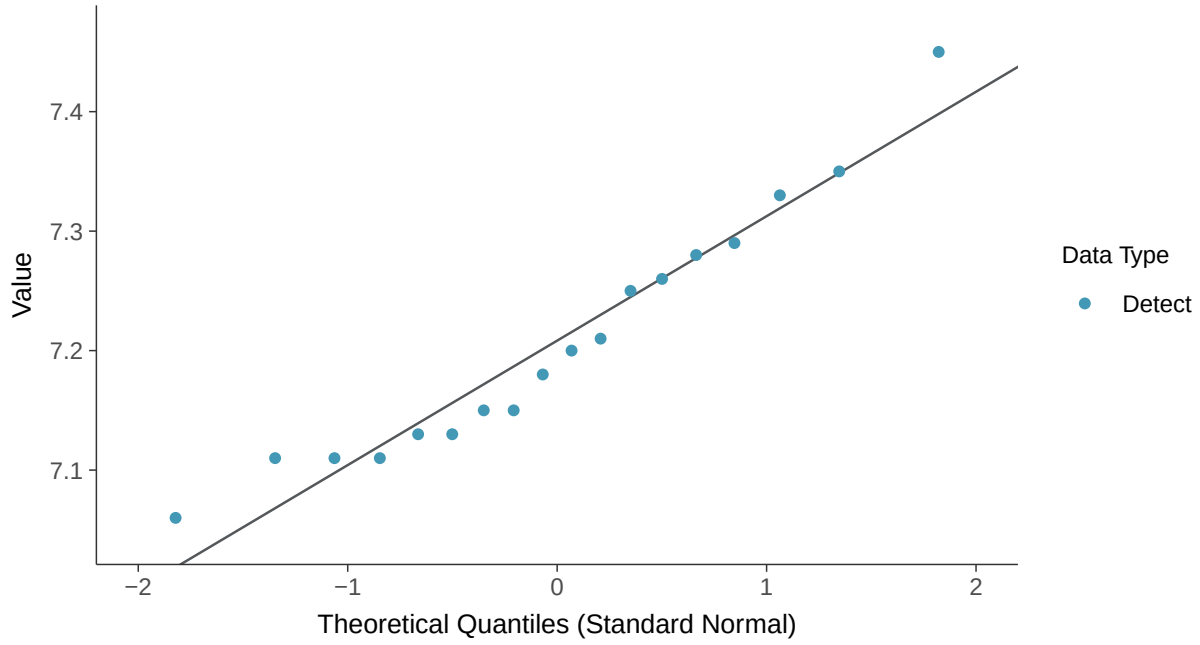
Boxplot by Season

pH (field), MW-02 (su)



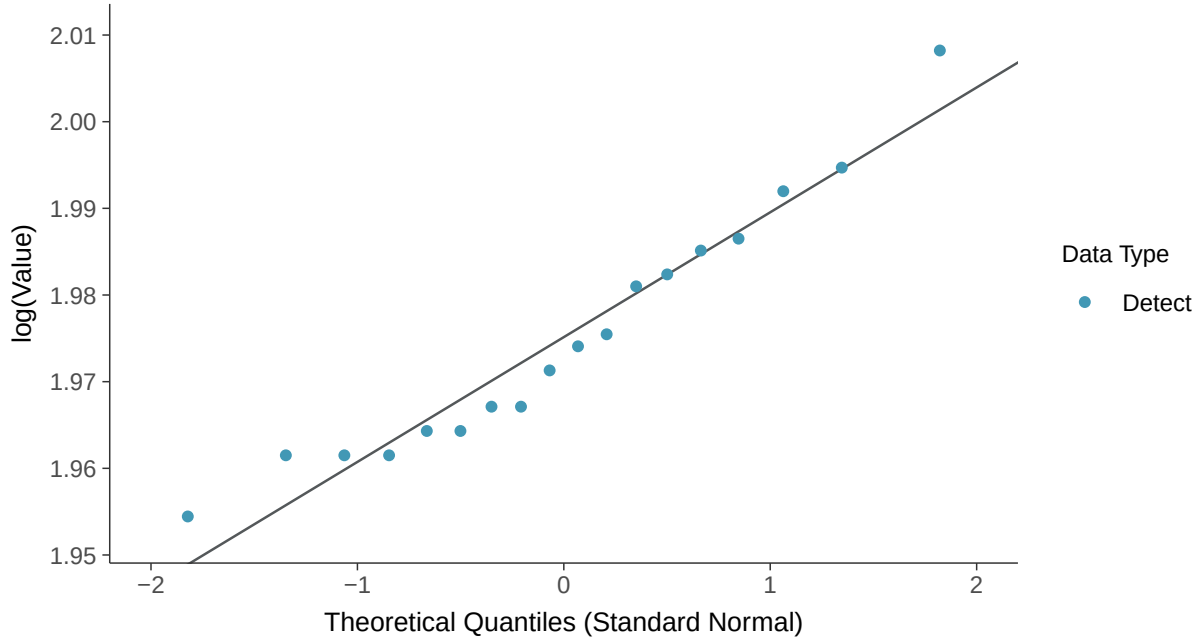
Normal Q-Q plot

pH (field), MW-02 (su)



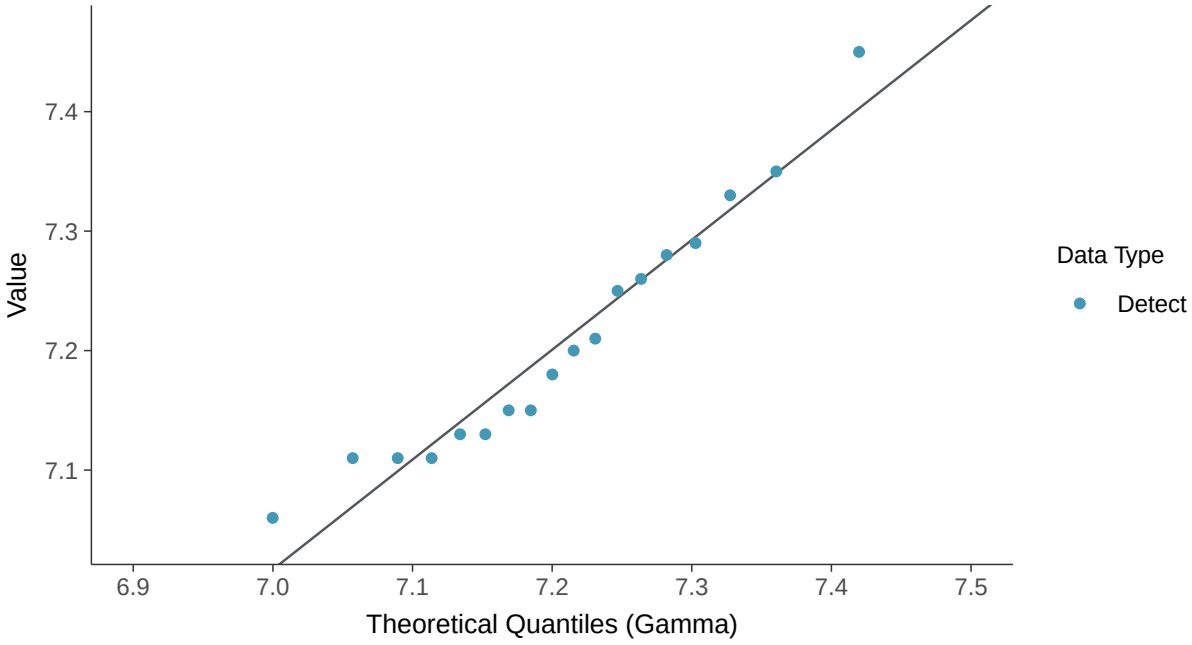
Lognormal Q-Q plot

pH (field), MW-02 (su)



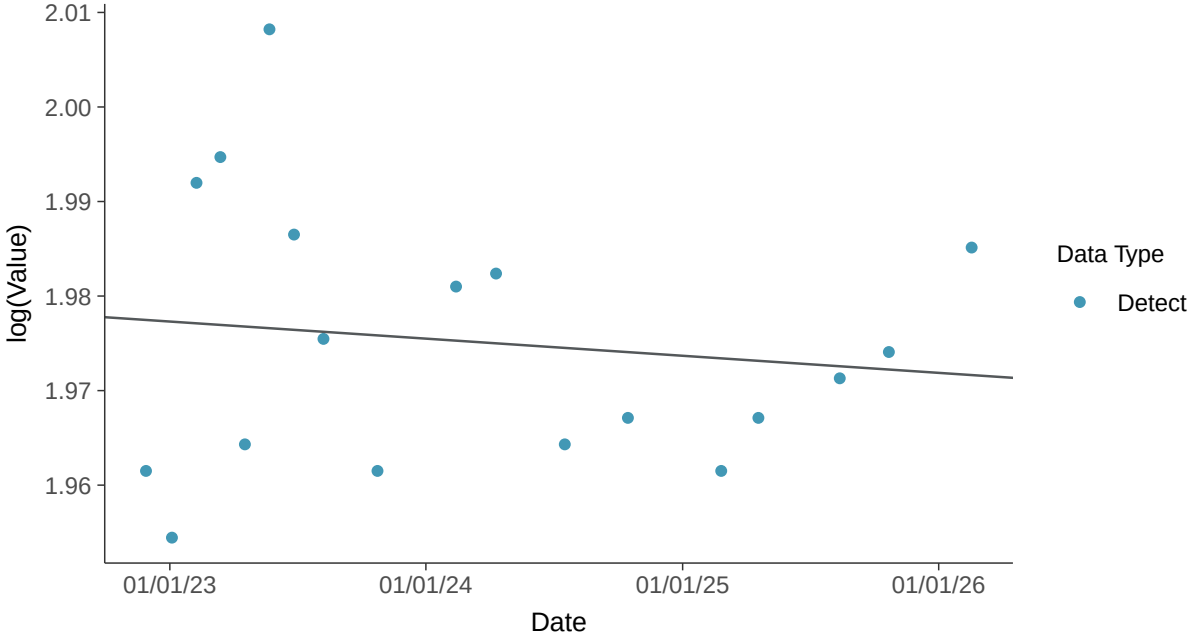
Gamma Q-Q plot

pH (field), MW-02 (su)



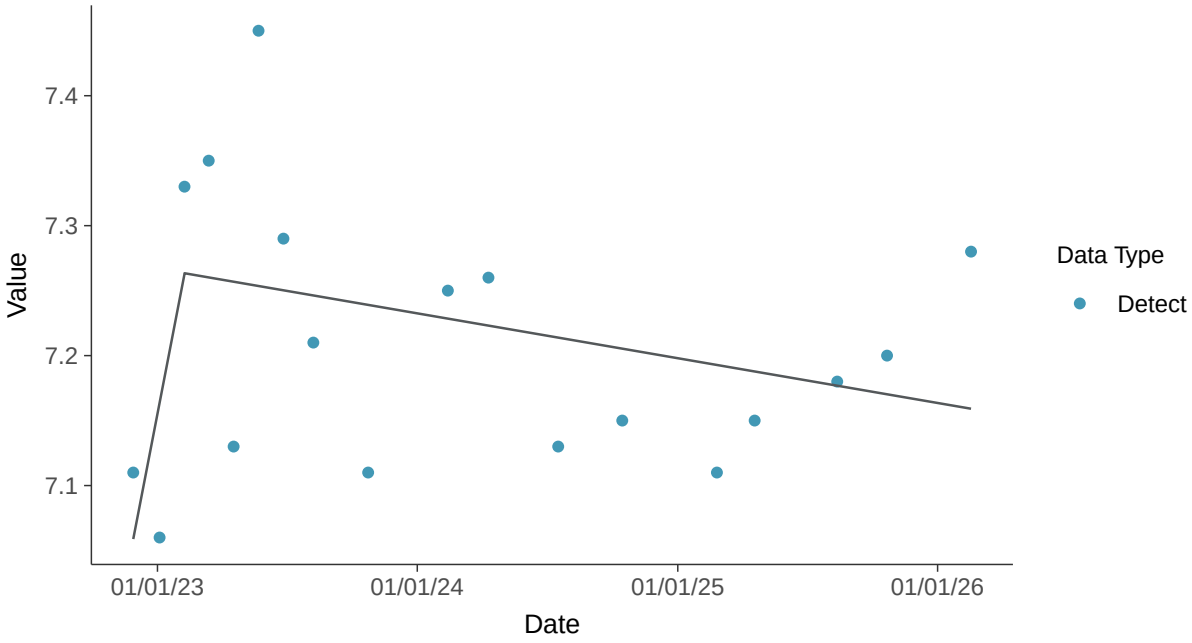
Trend Regression: Lognormal MLE

pH (field), MW-02 (su)



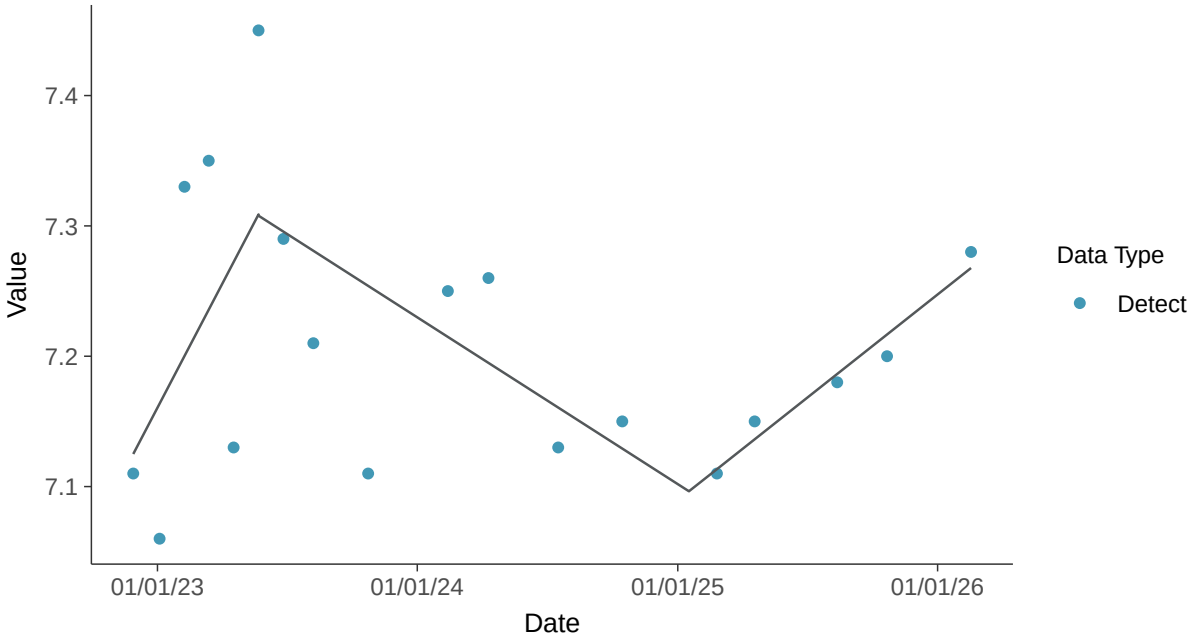
Trend Regression: Piecewise Linear-Linear

pH (field), MW-02 (su)



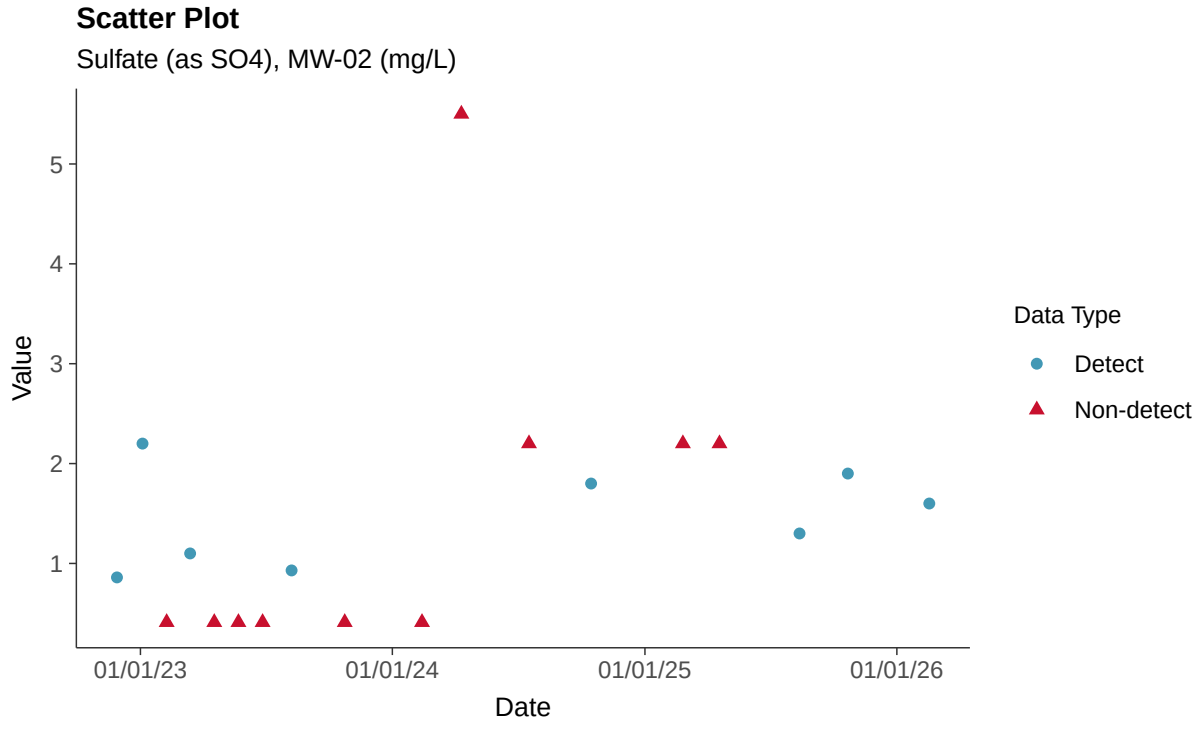
Trend Regression: Piecewise Linear-Linear-Linear

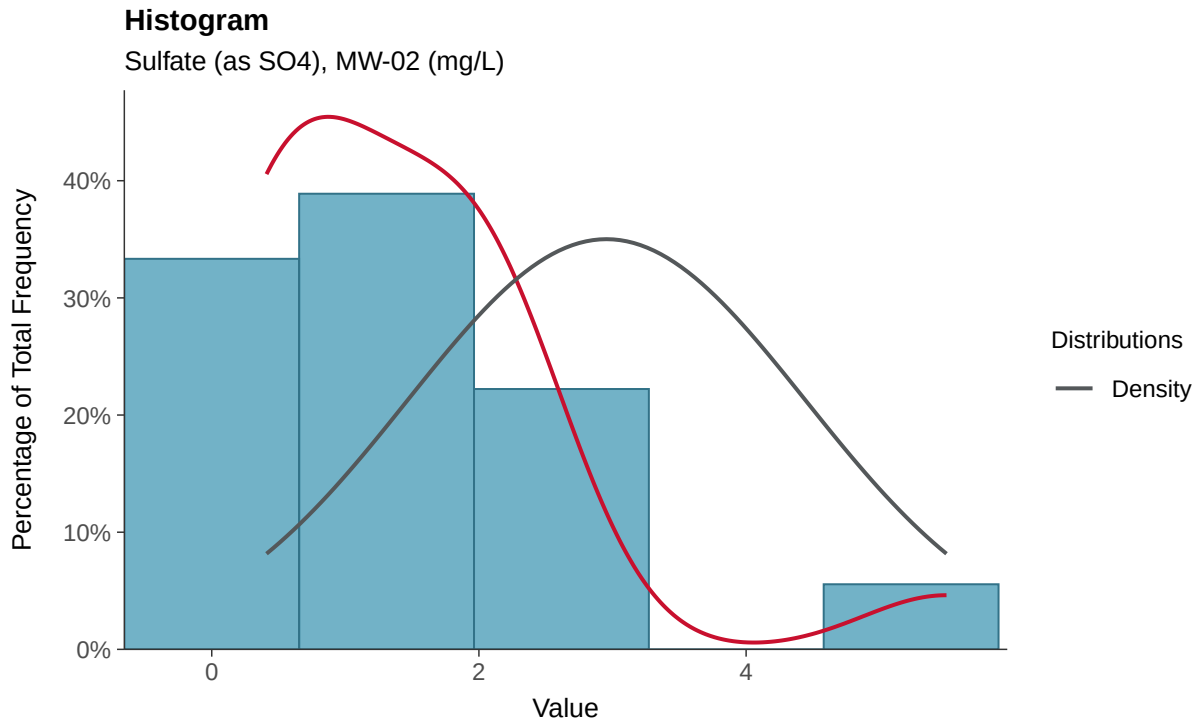
pH (field), MW-02 (su)



Appendix III: Sulfate (as SO4), MW-02

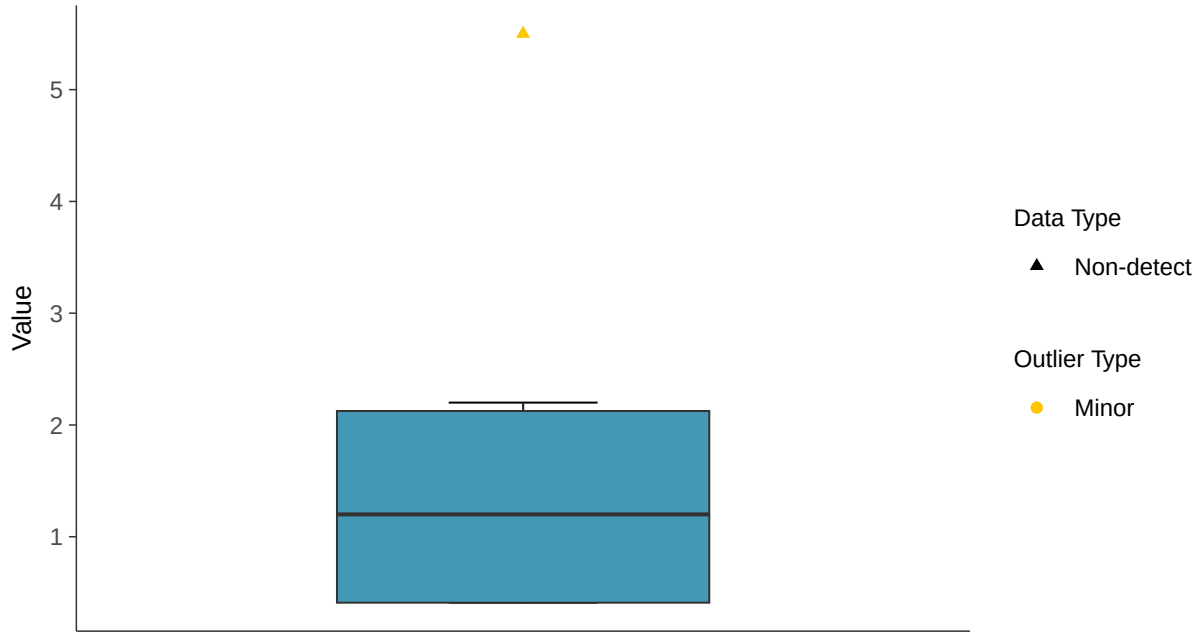
ID: 12_2_3_124





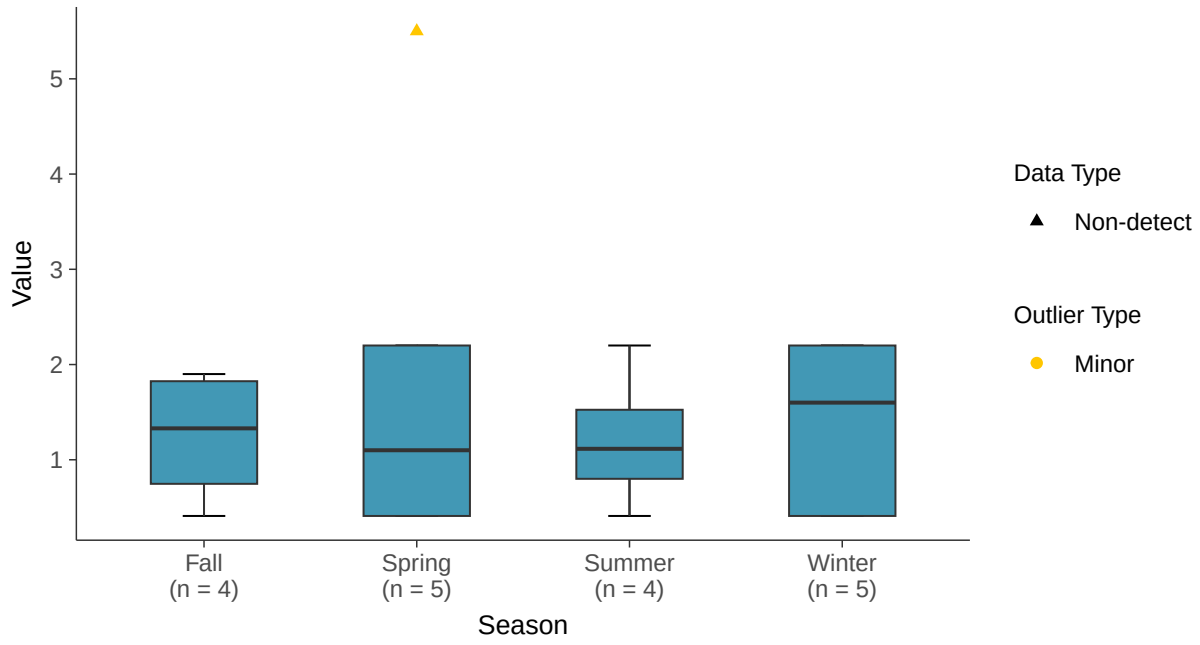
Boxplot

Sulfate (as SO4), MW-02 (mg/L)



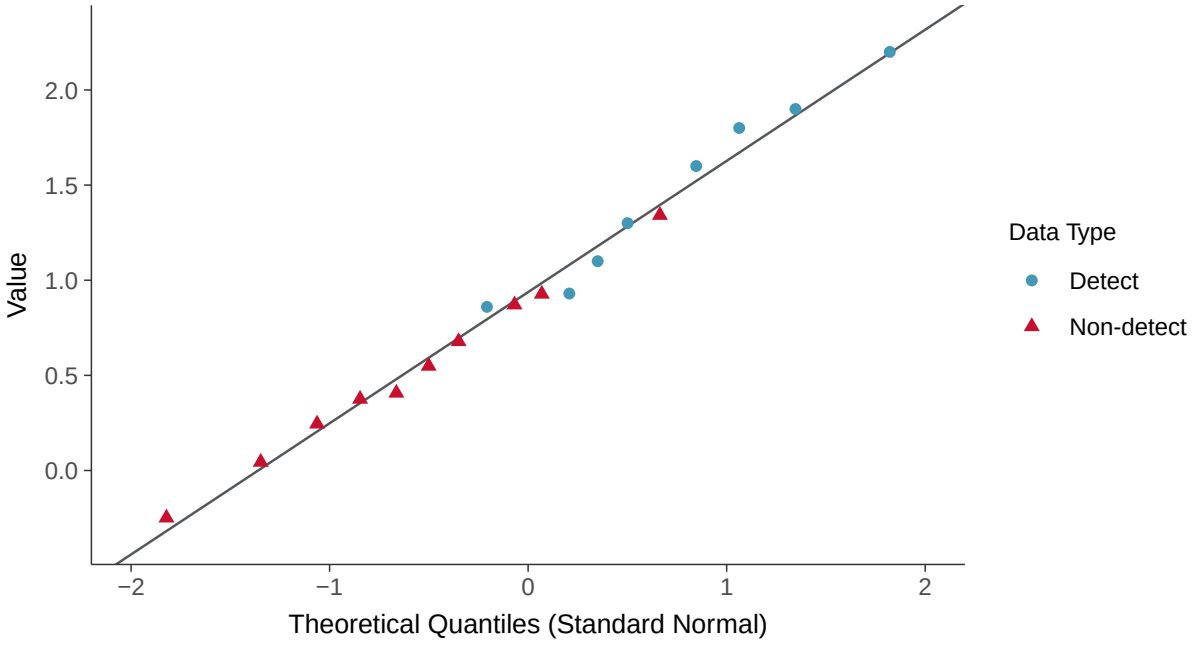
Boxplot by Season

Sulfate (as SO4), MW-02 (mg/L)



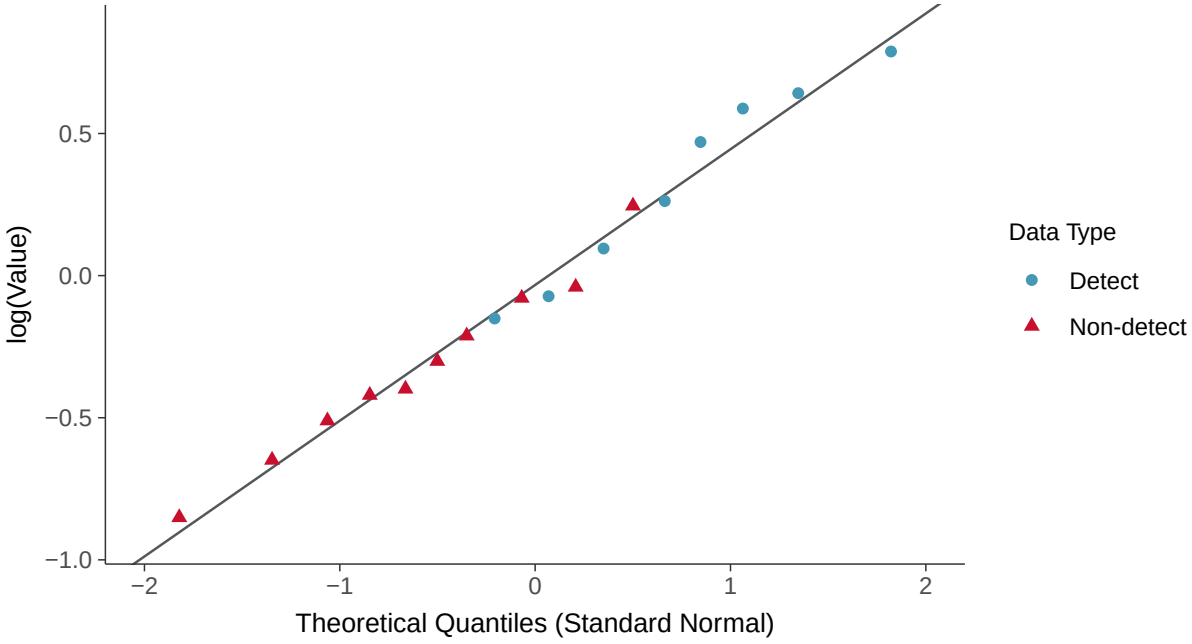
Normal Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-02 (mg/L)



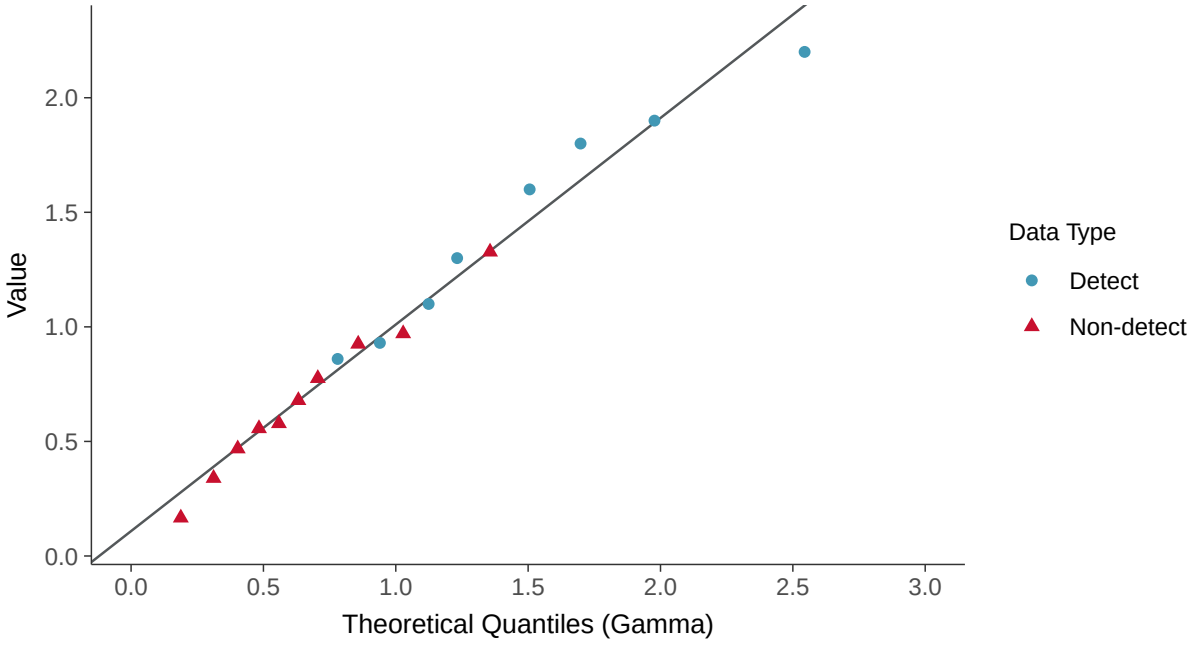
Lognormal Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-02 (mg/L)



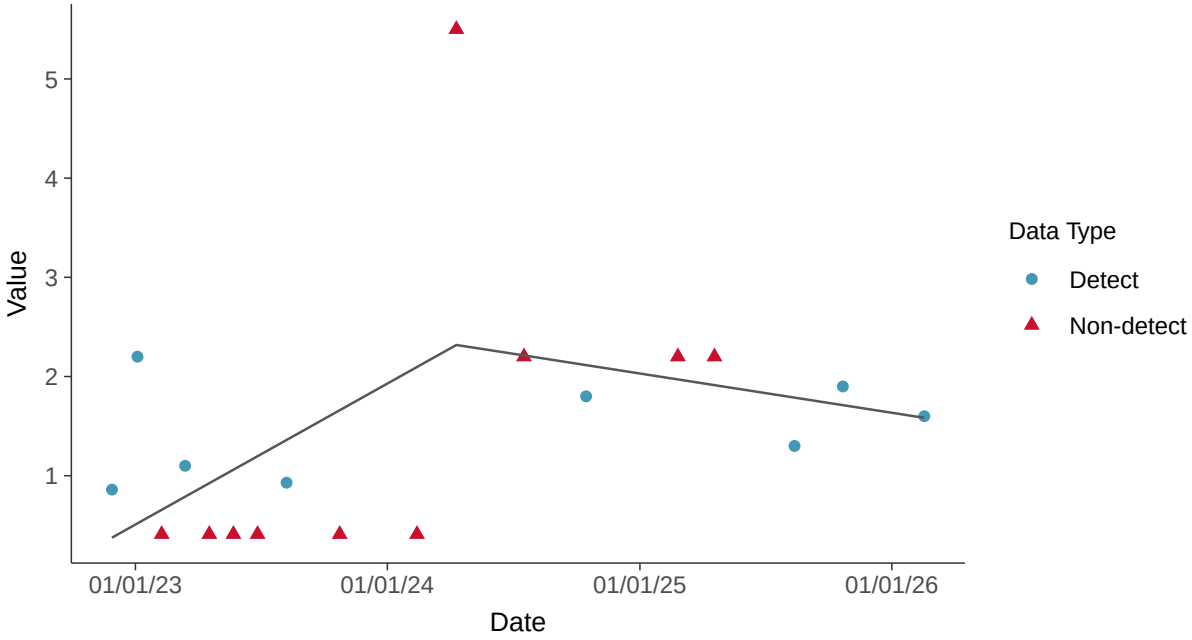
Gamma Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-02 (mg/L)



Trend Regression: Piecewise Linear-Linear

Sulfate (as SO4), MW-02 (mg/L)

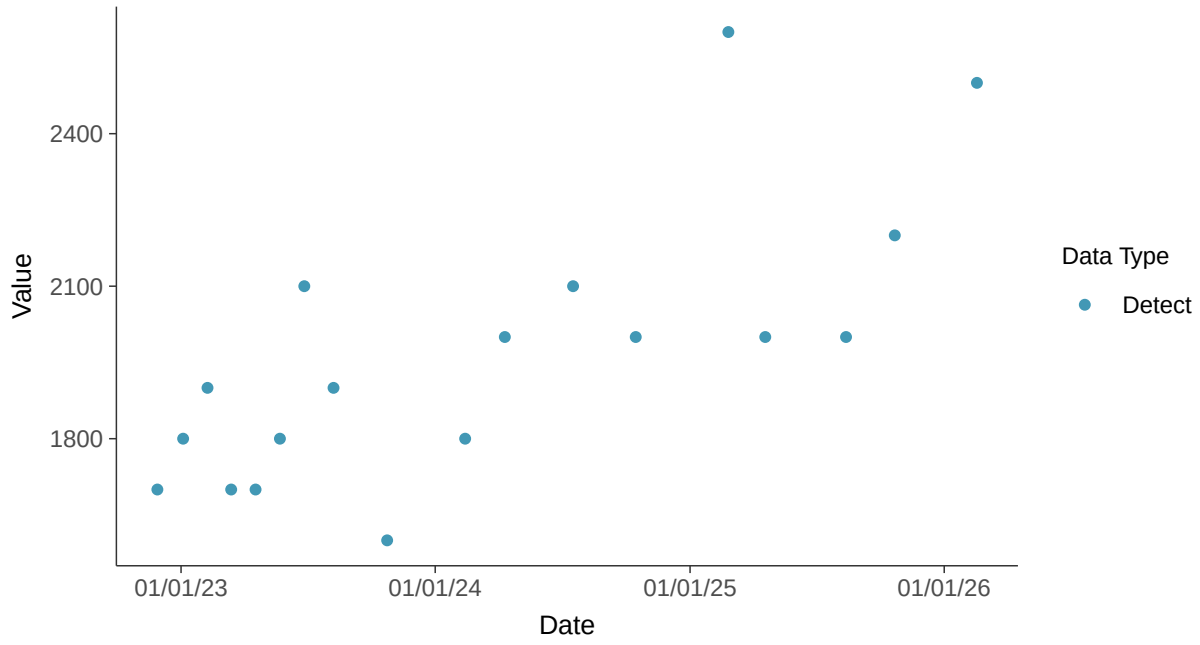


Appendix III: Total Dissolved Solids, MW-02

ID: 12_2_3_126

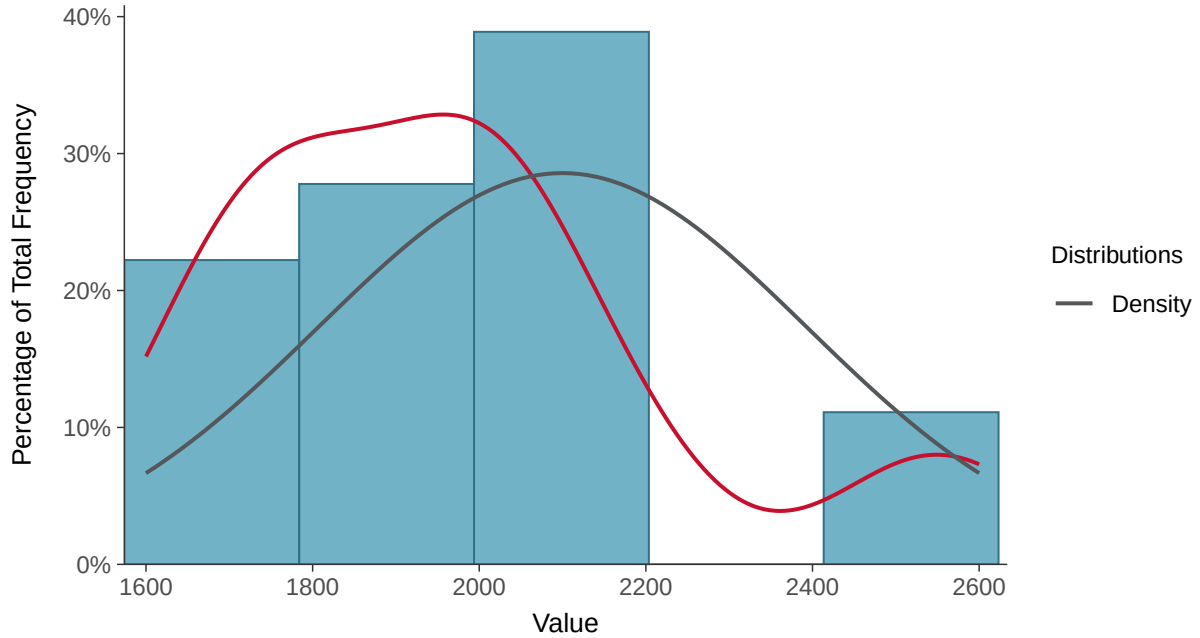
Scatter Plot

Total Dissolved Solids, MW-02 (mg/L)



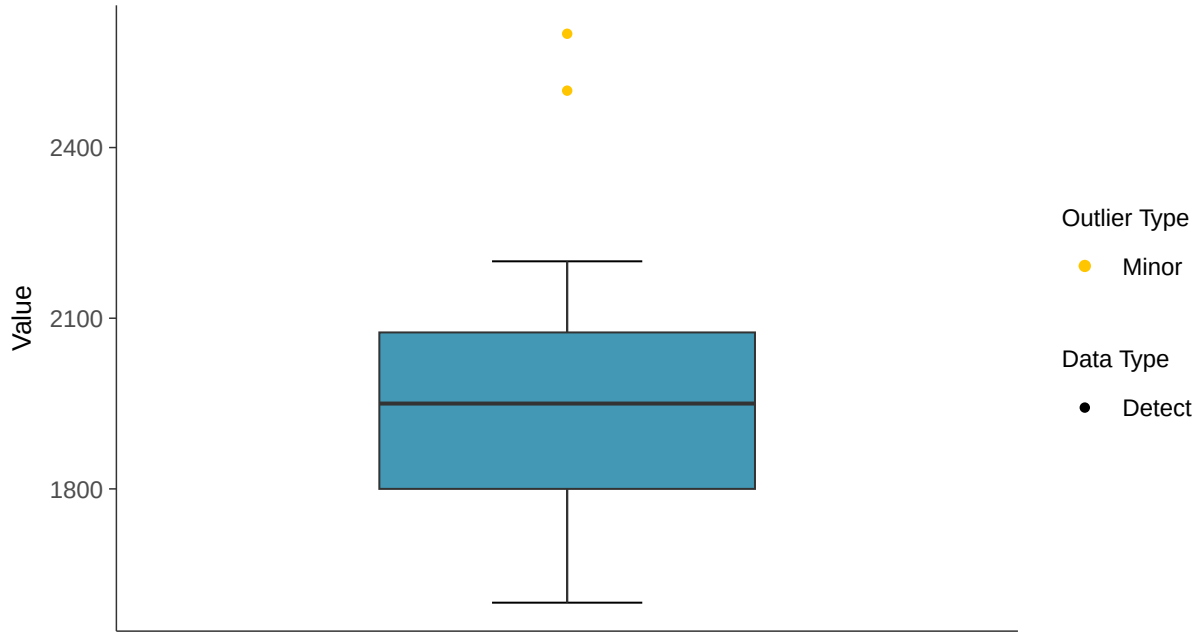
Histogram

Total Dissolved Solids, MW-02 (mg/L)



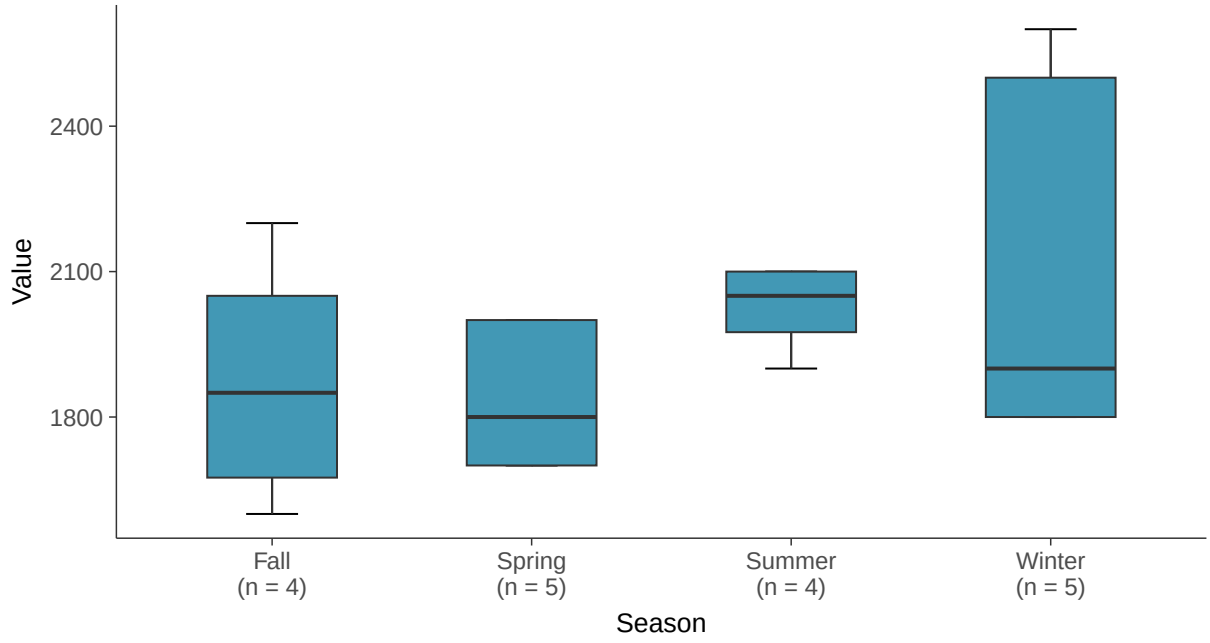
Boxplot

Total Dissolved Solids, MW-02 (mg/L)



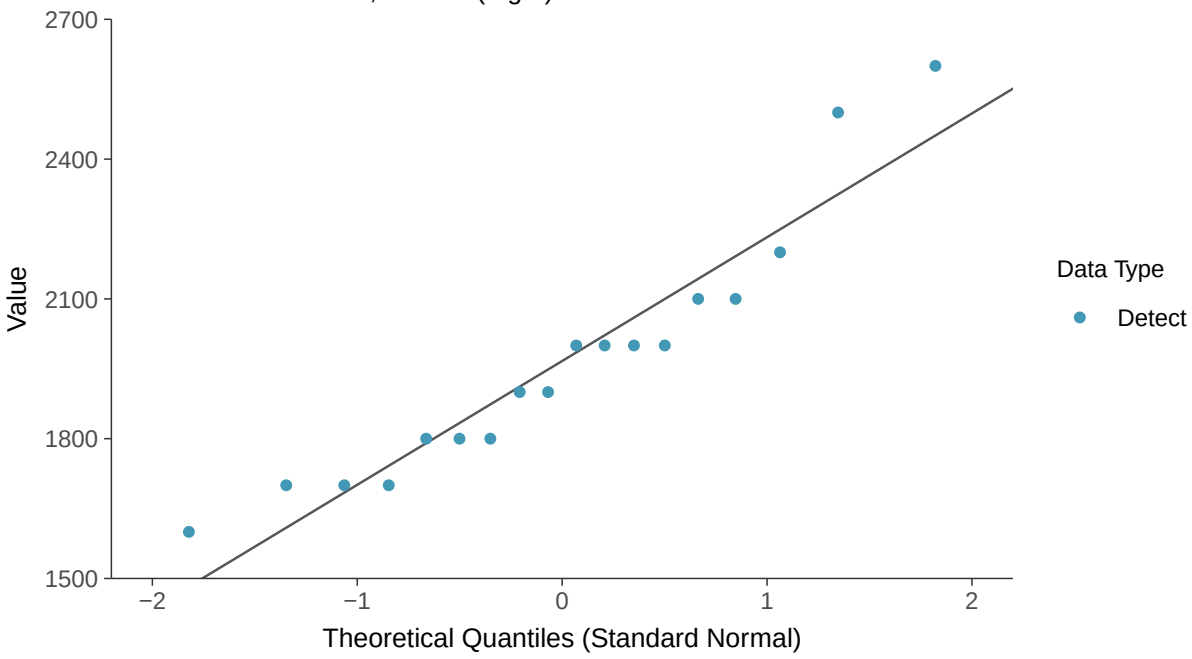
Boxplot by Season

Total Dissolved Solids, MW-02 (mg/L)



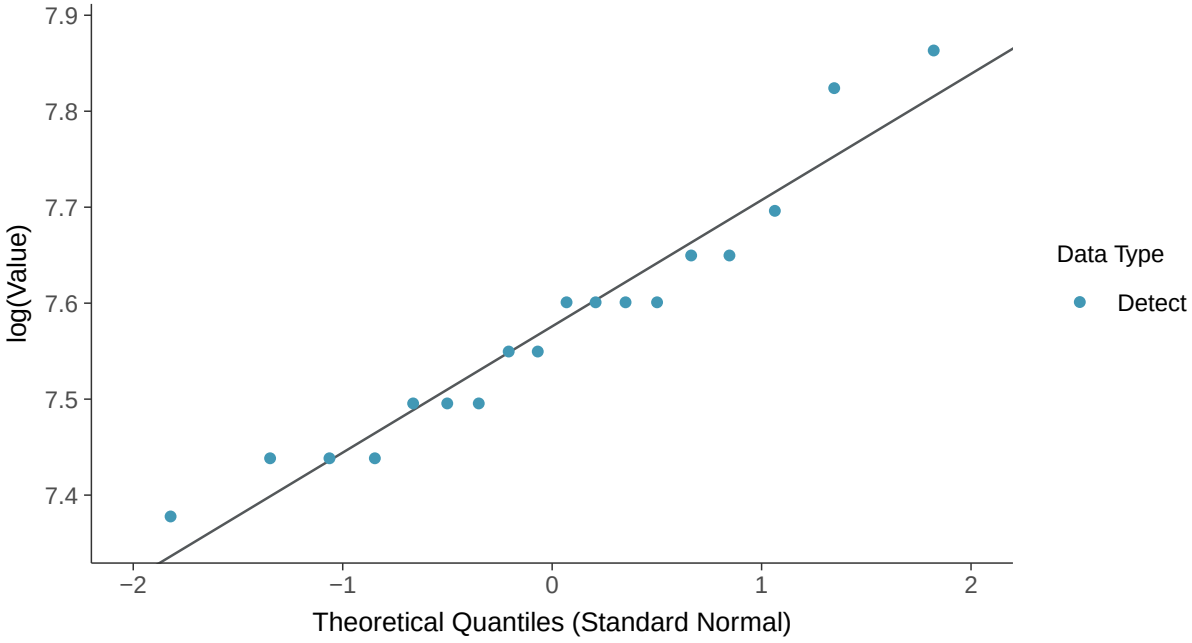
Normal Q-Q plot

Total Dissolved Solids, MW-02 (mg/L)



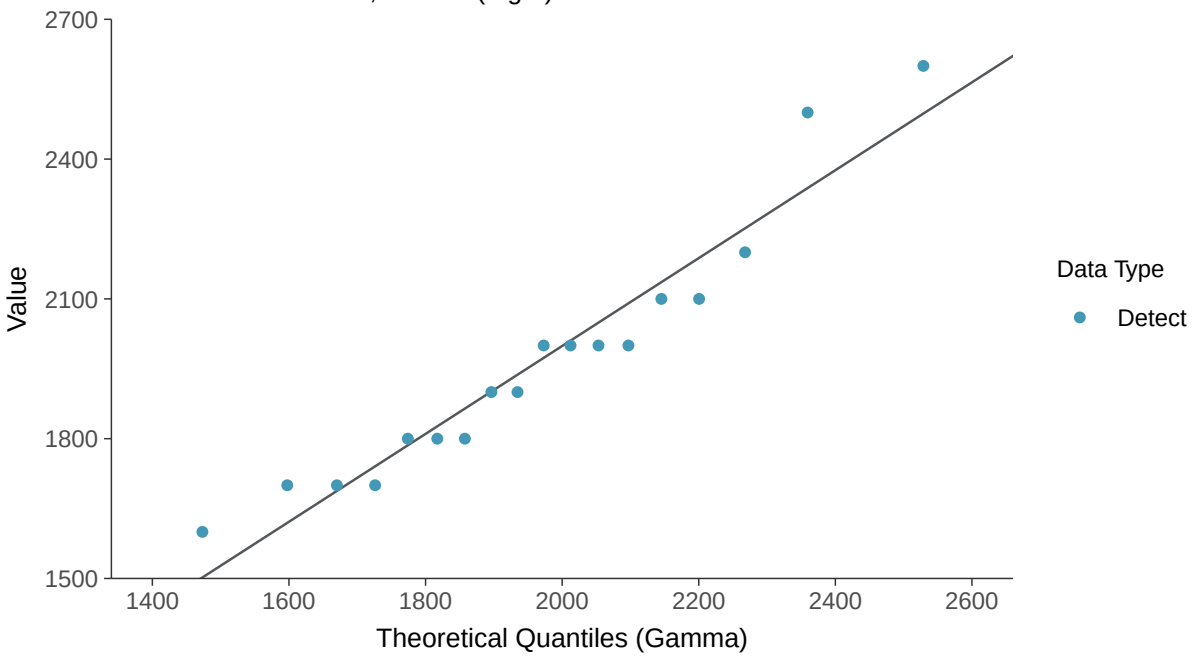
Lognormal Q-Q plot

Total Dissolved Solids, MW-02 (mg/L)



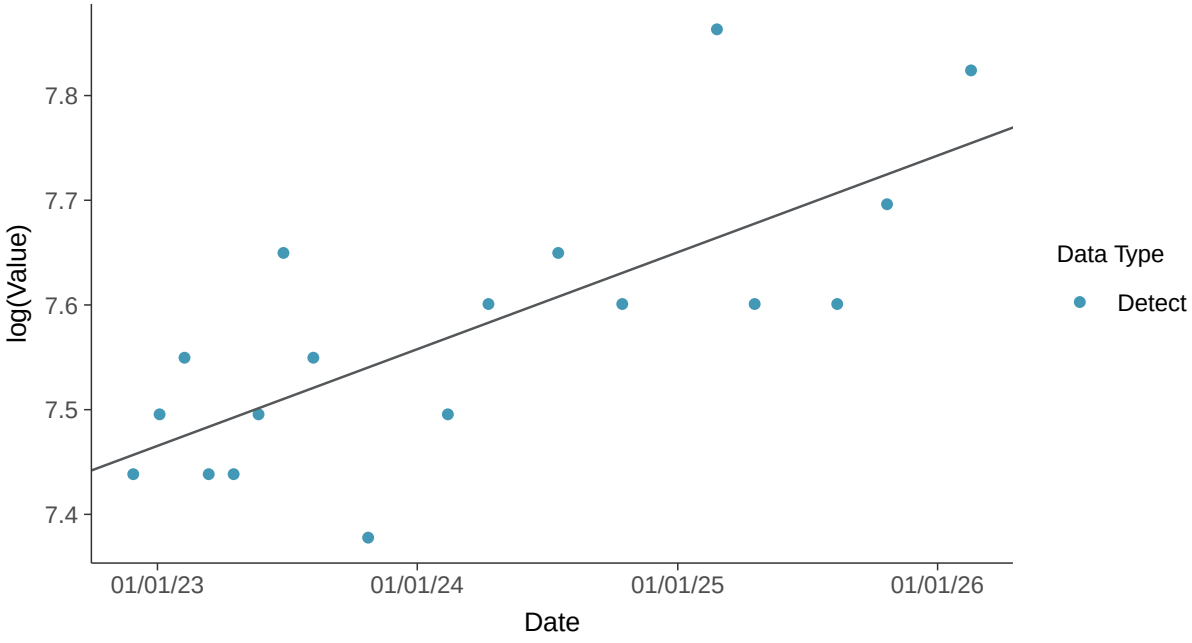
Gamma Q-Q plot

Total Dissolved Solids, MW-02 (mg/L)



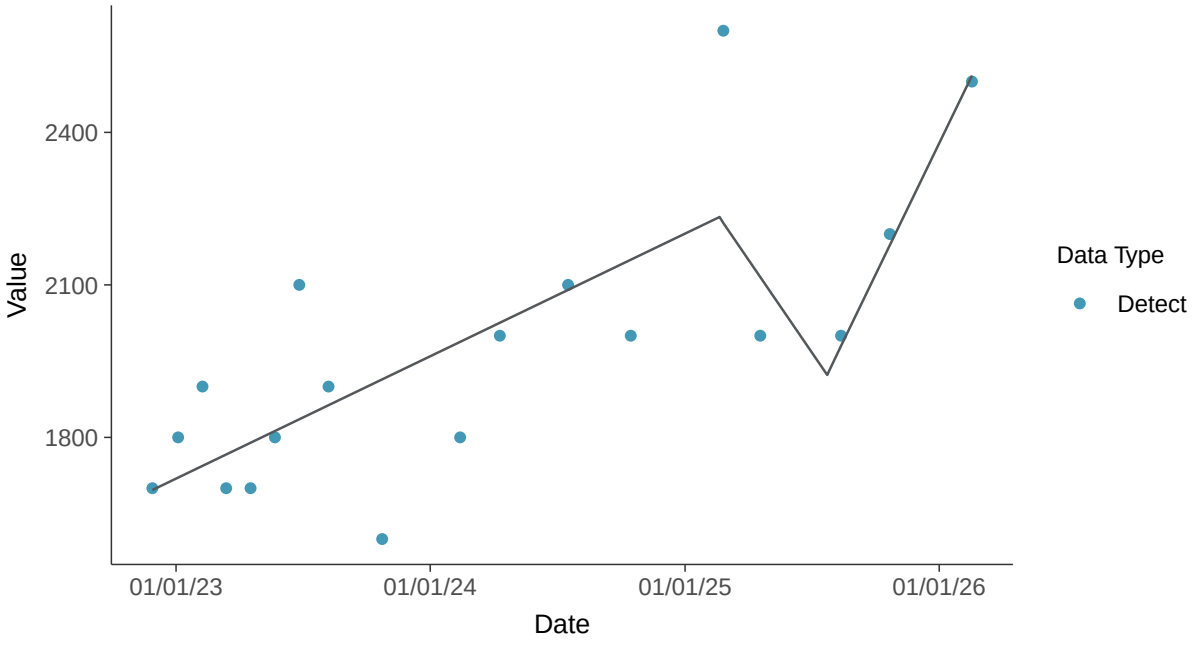
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-02 (mg/L)



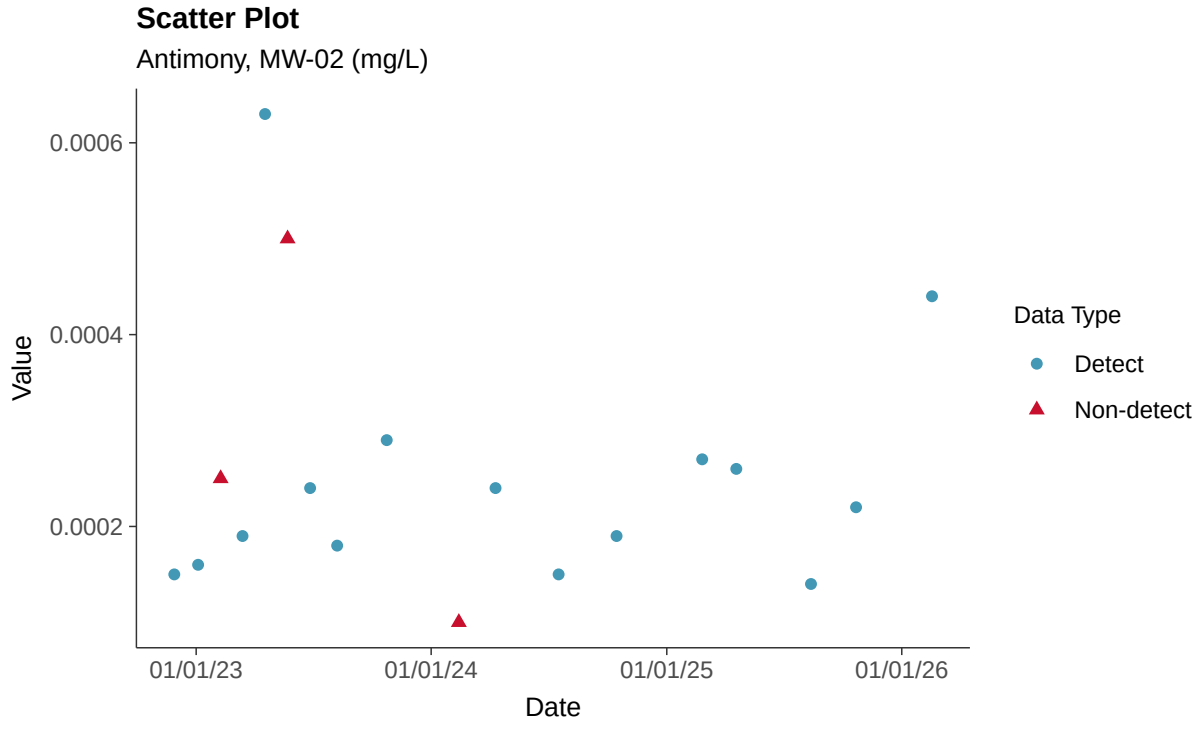
Trend Regression: Piecewise Linear-Linear-Linear

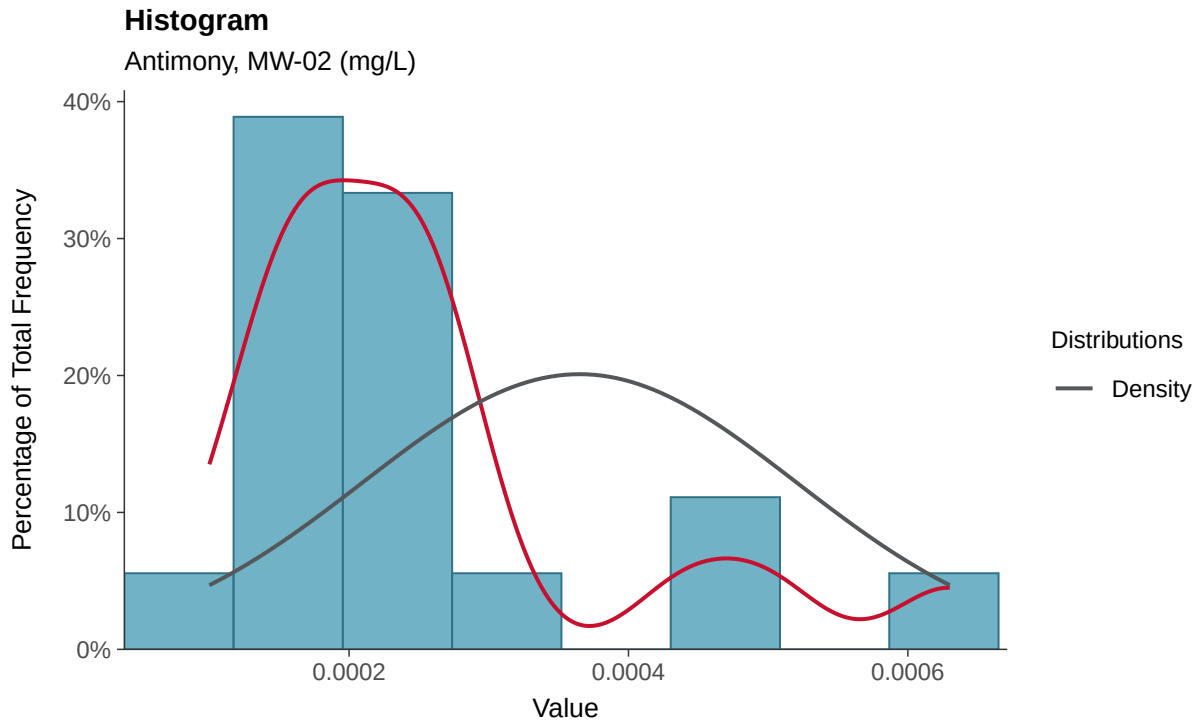
Total Dissolved Solids, MW-02 (mg/L)



Appendix IV: Antimony, MW-02

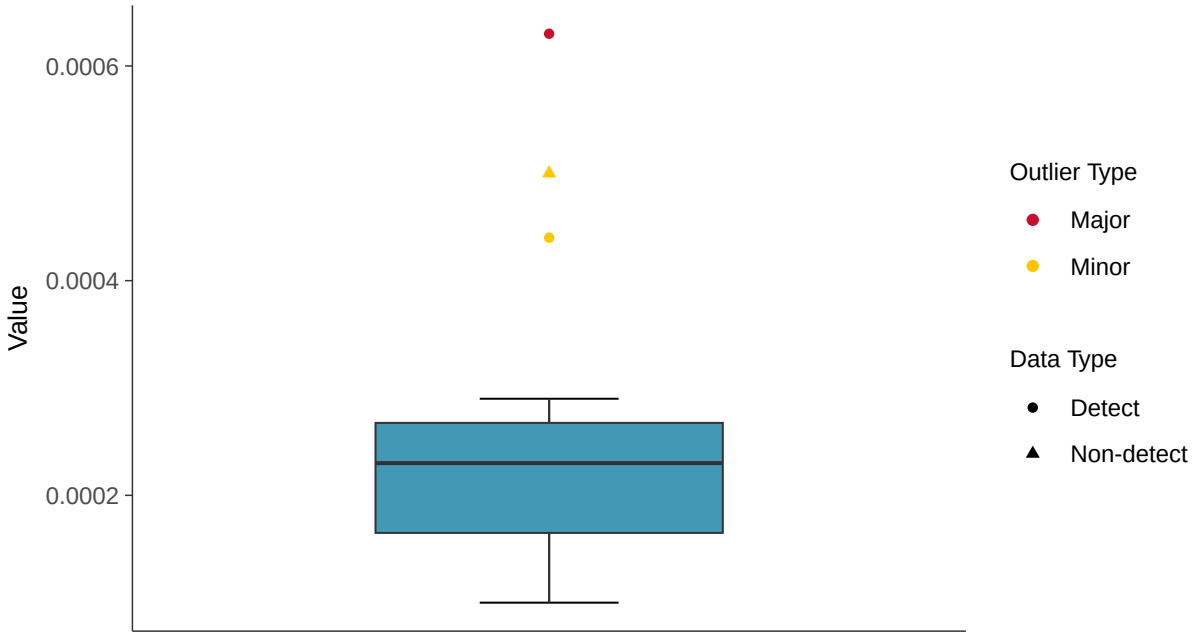
ID: 12_2_4_101





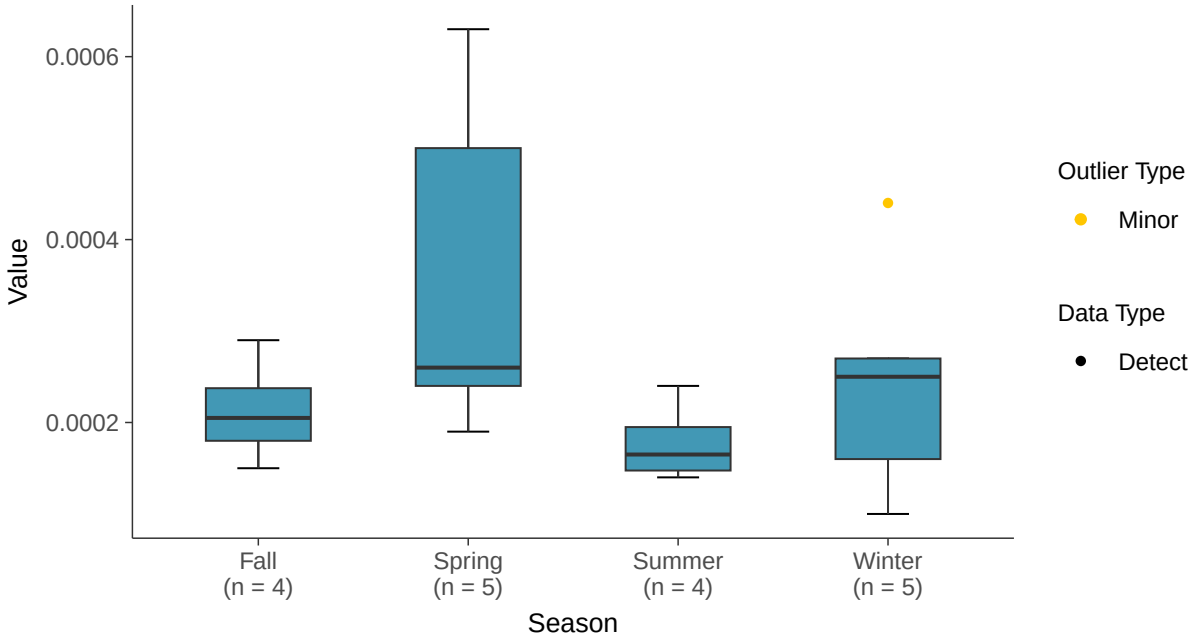
Boxplot

Antimony, MW-02 (mg/L)



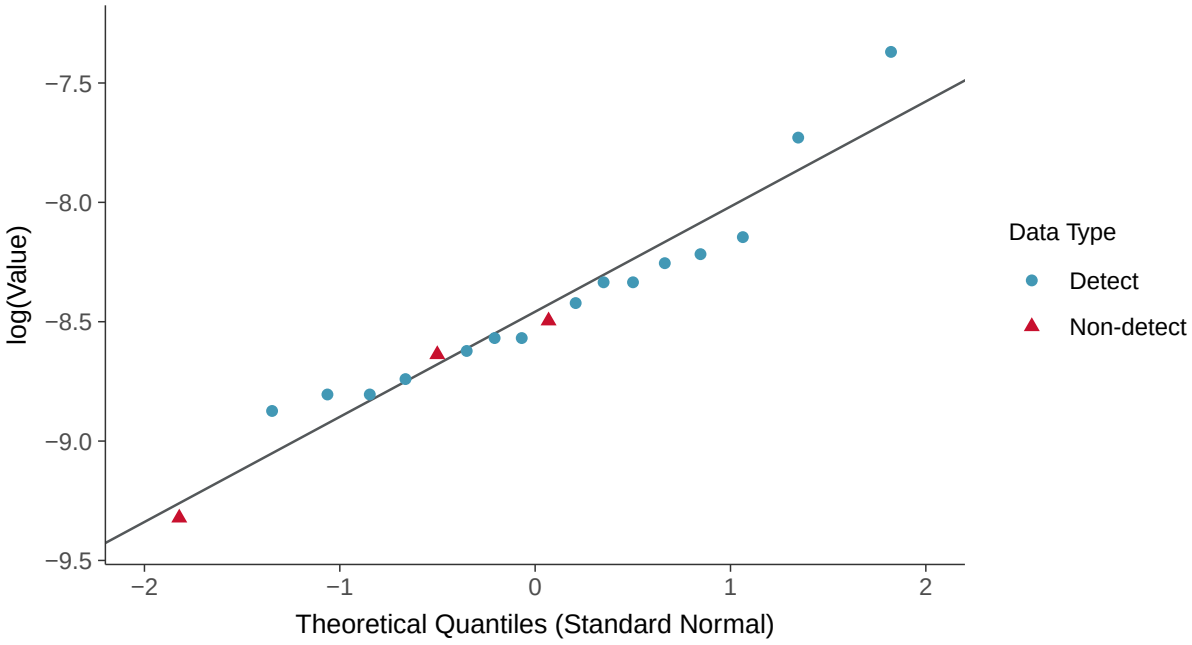
Boxplot by Season

Antimony, MW-02 (mg/L)



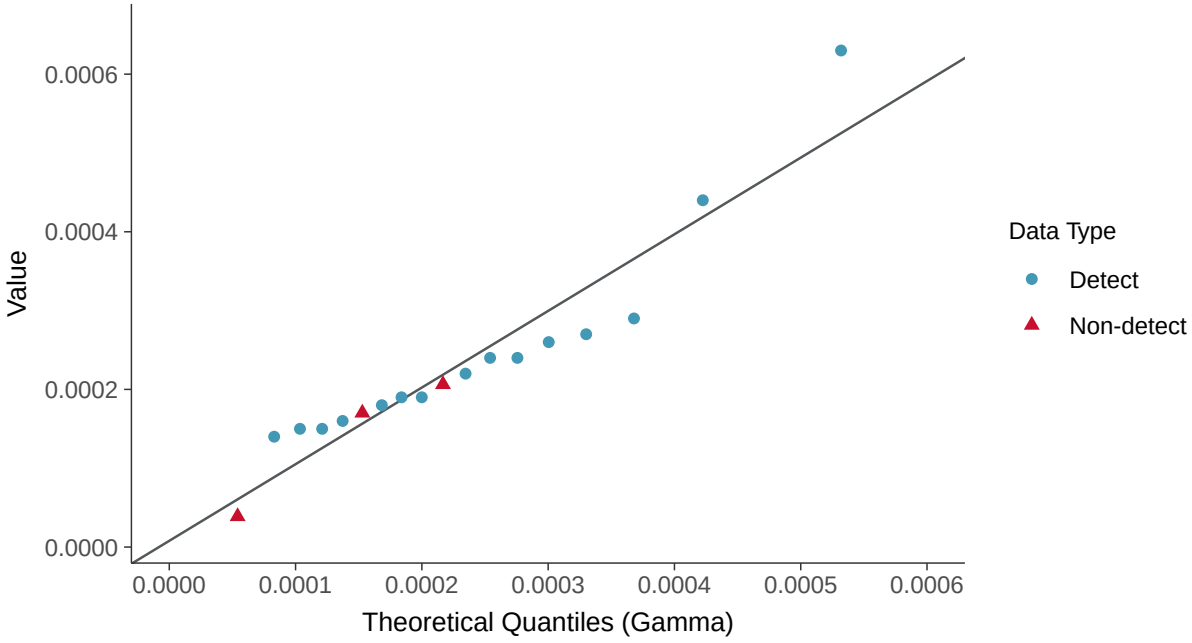
Lognormal Q-Q plot using ROS Imputed Estimates

Antimony, MW-02 (mg/L)



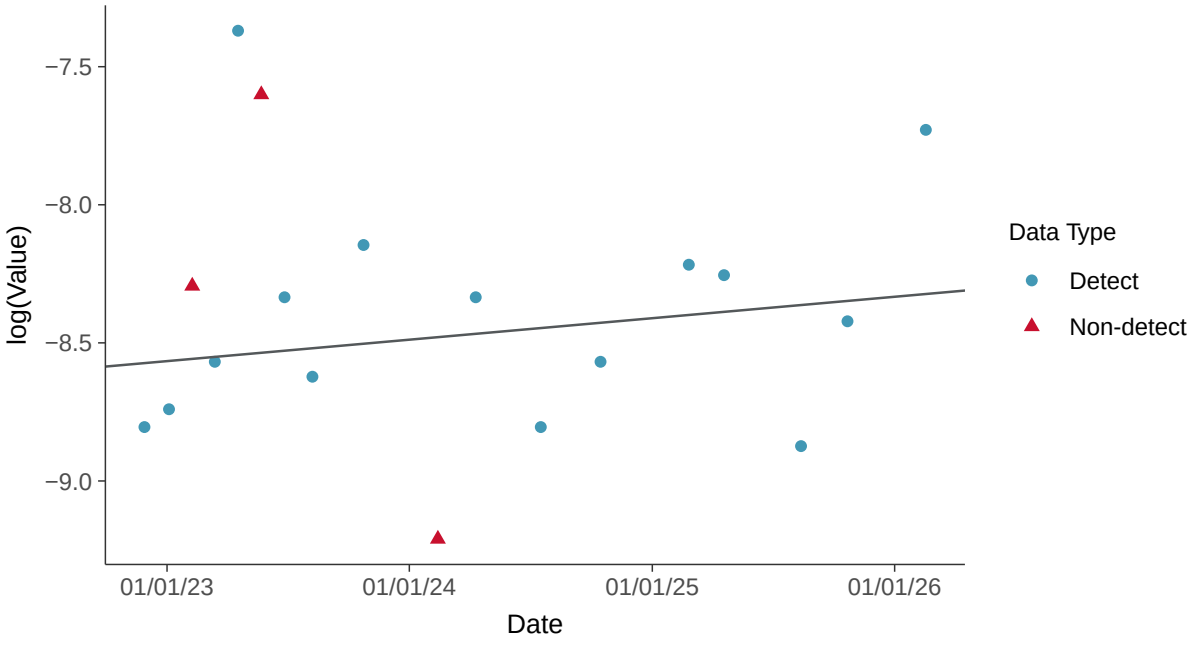
Gamma Q-Q plot using ROS Imputed Estimates

Antimony, MW-02 (mg/L)



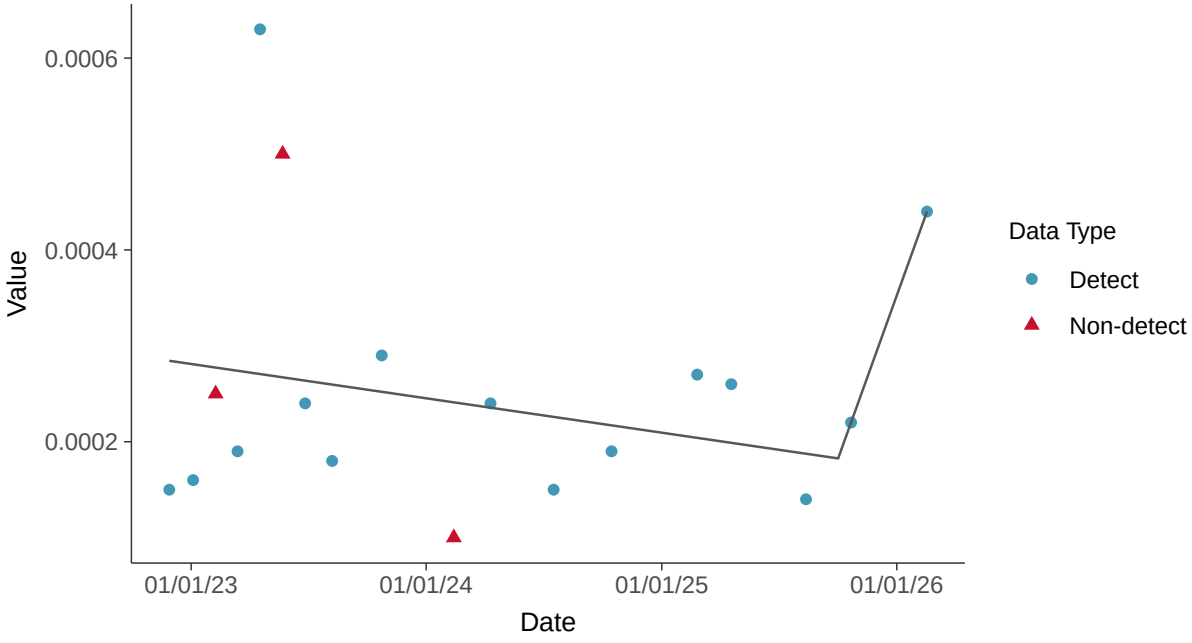
Trend Regression: Lognormal MLE

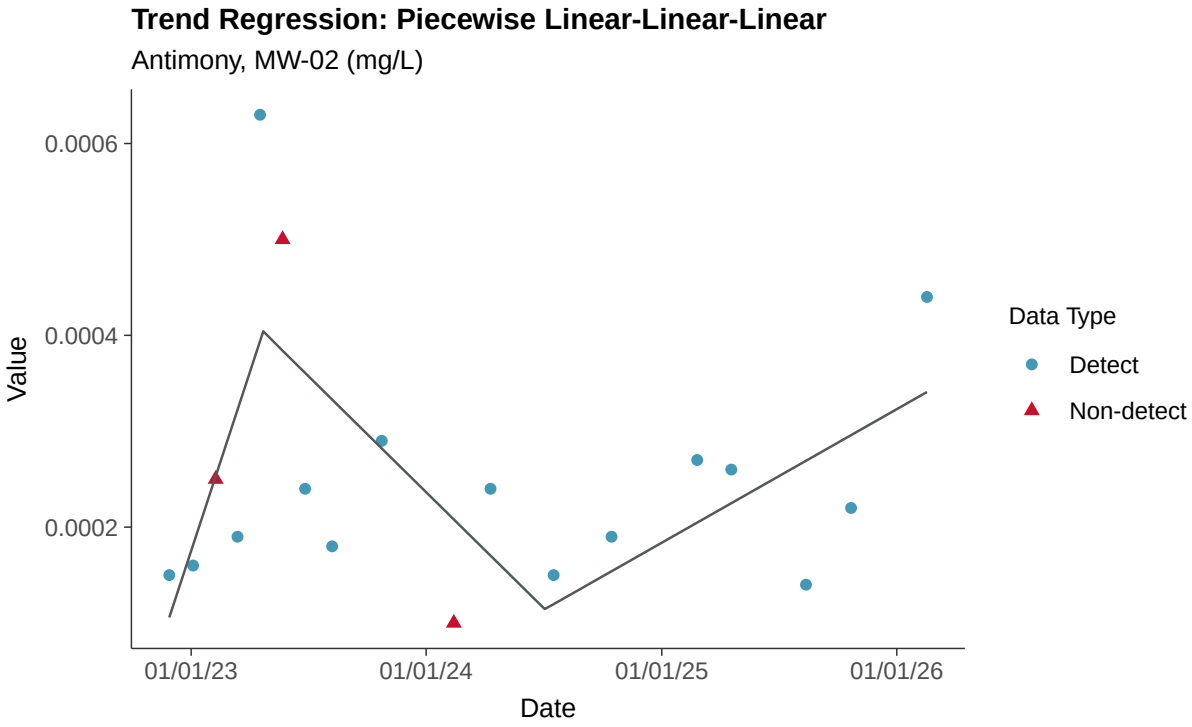
Antimony, MW-02 (mg/L)



Trend Regression: Piecewise Linear-Linear

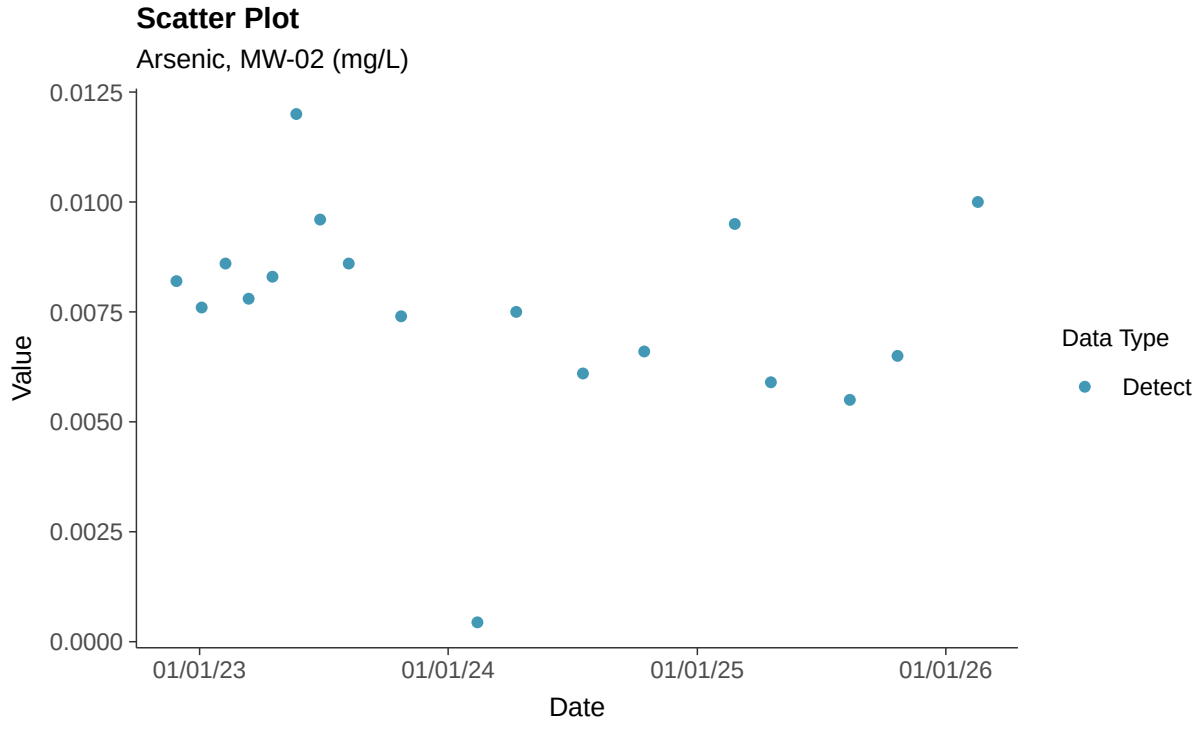
Antimony, MW-02 (mg/L)

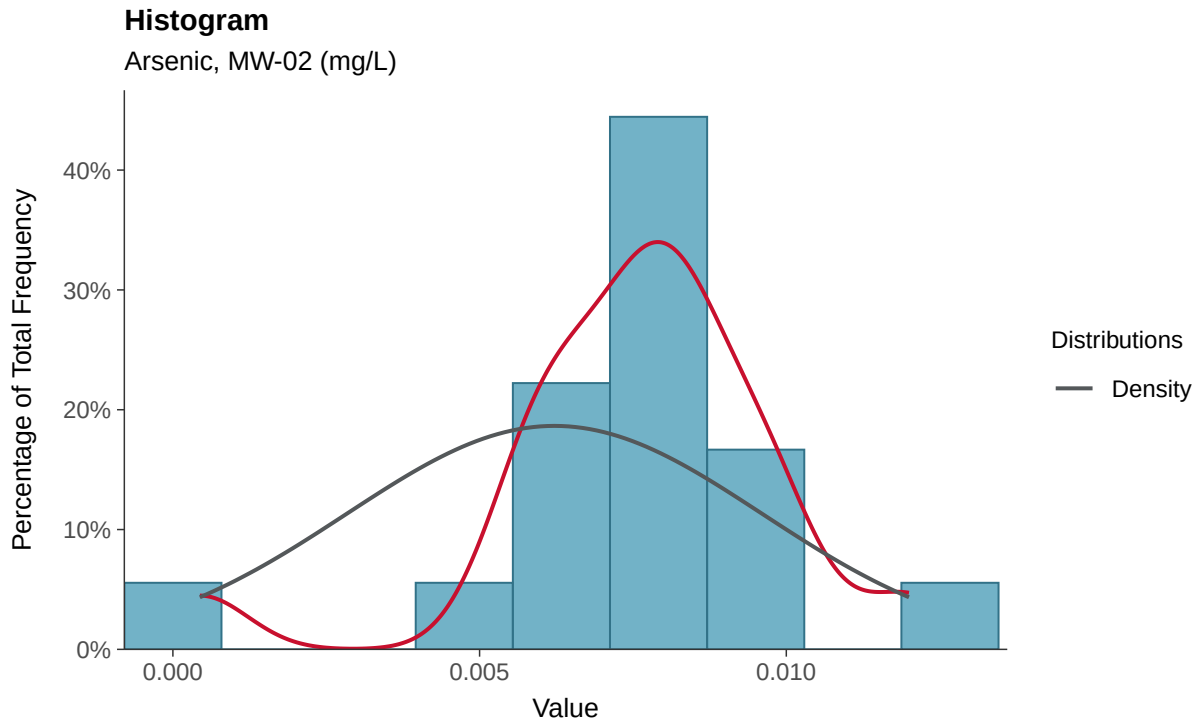



Trend Regression: Piecewise Linear-Linear-Linear
Antimony, MW-02 (mg/L)
0.0006
0.0004
0.0002
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Arsenic, MW-02

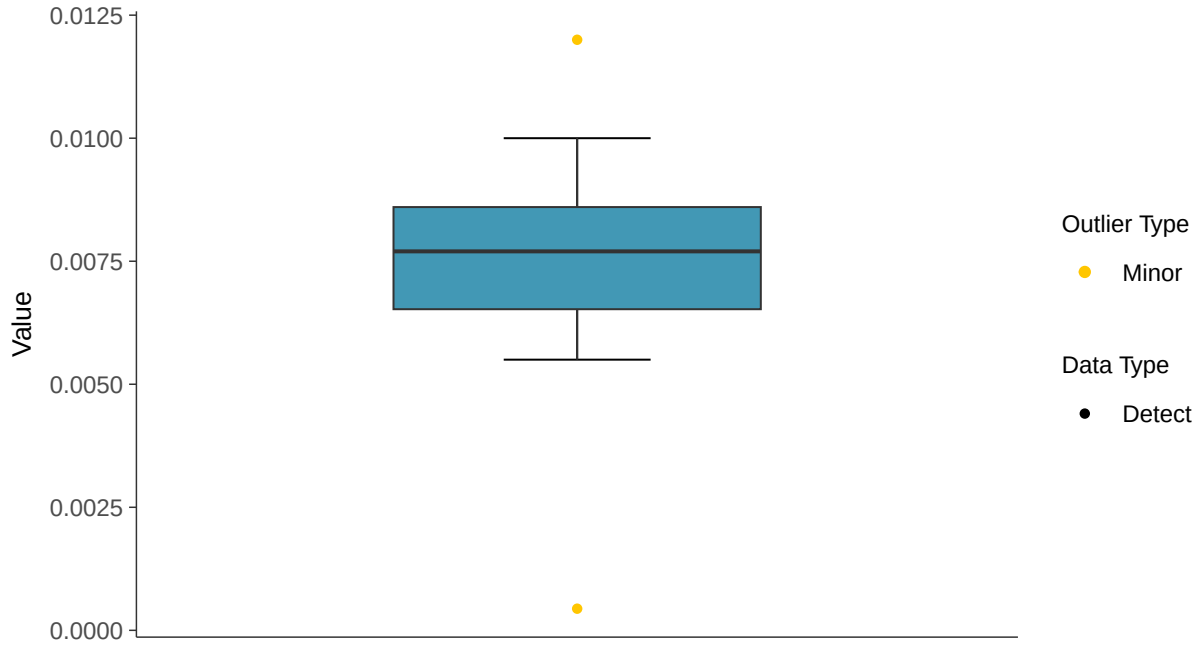
ID: 12_2_4_102





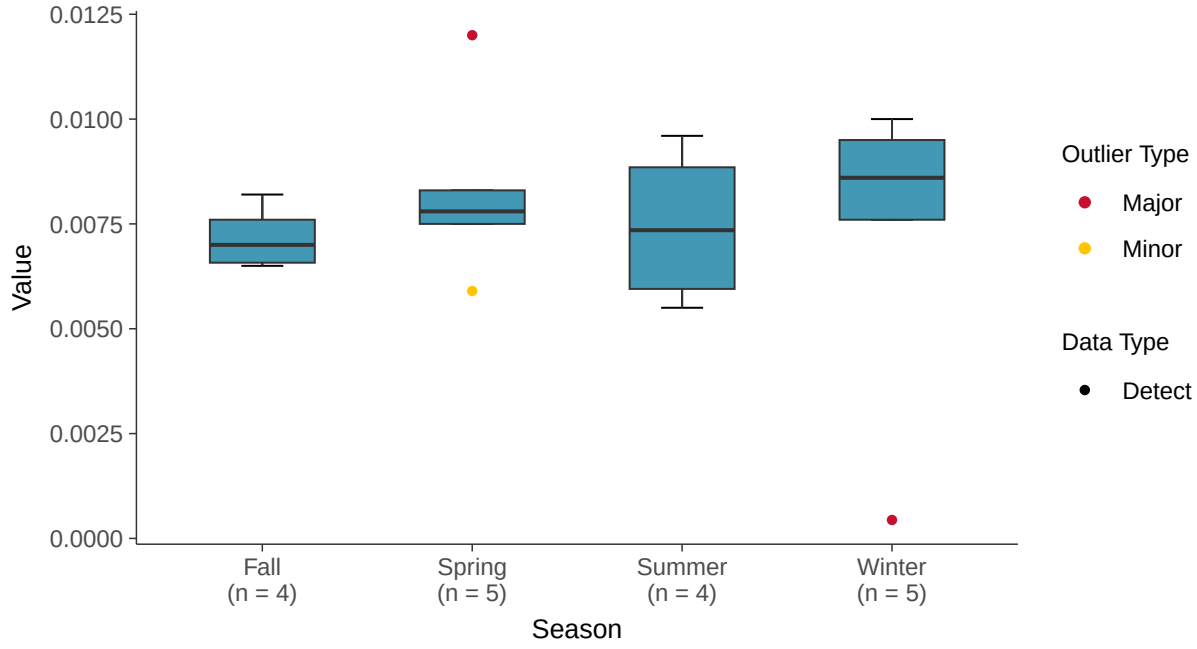
Boxplot

Arsenic, MW-02 (mg/L)



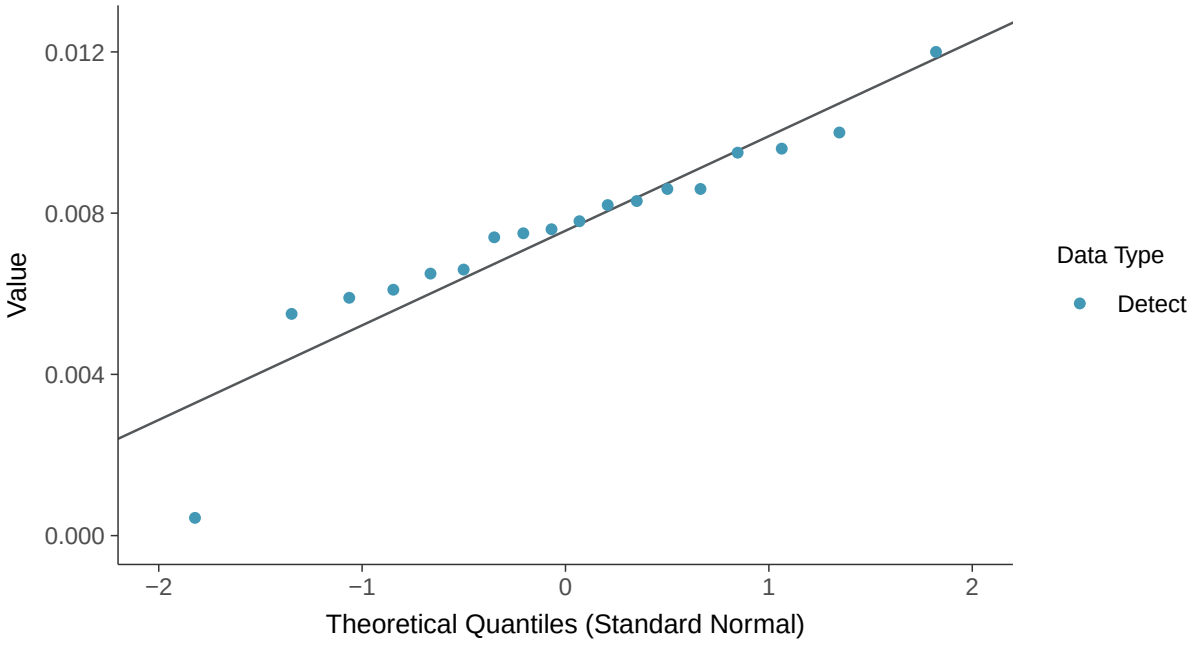
Boxplot by Season

Arsenic, MW-02 (mg/L)



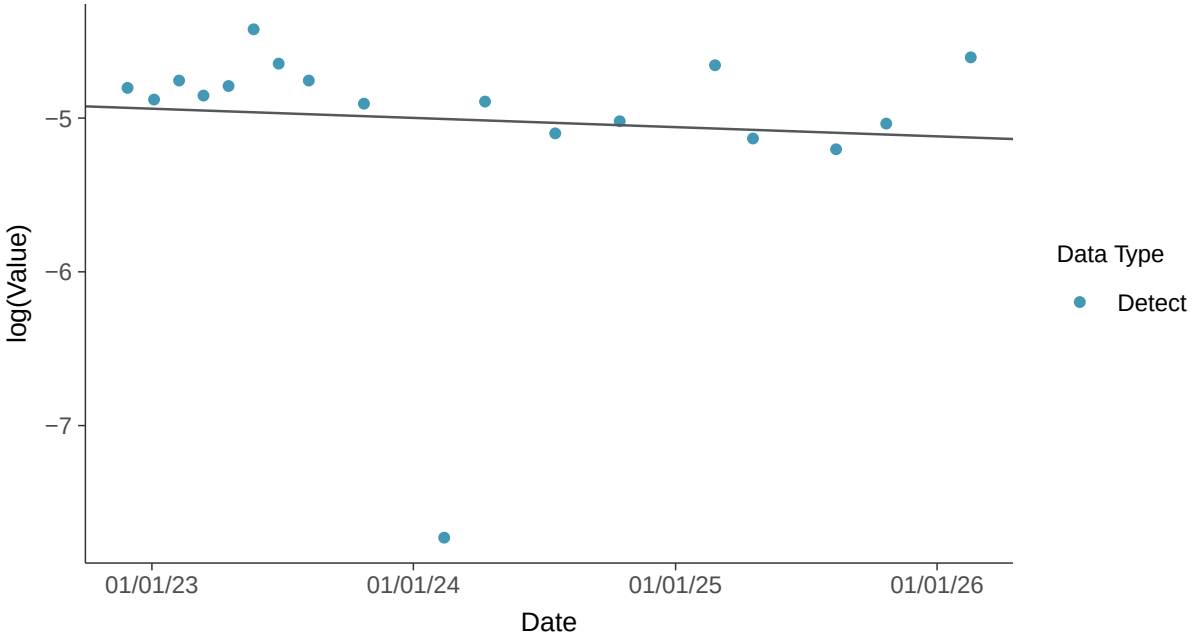
Normal Q-Q plot

Arsenic, MW-02 (mg/L)



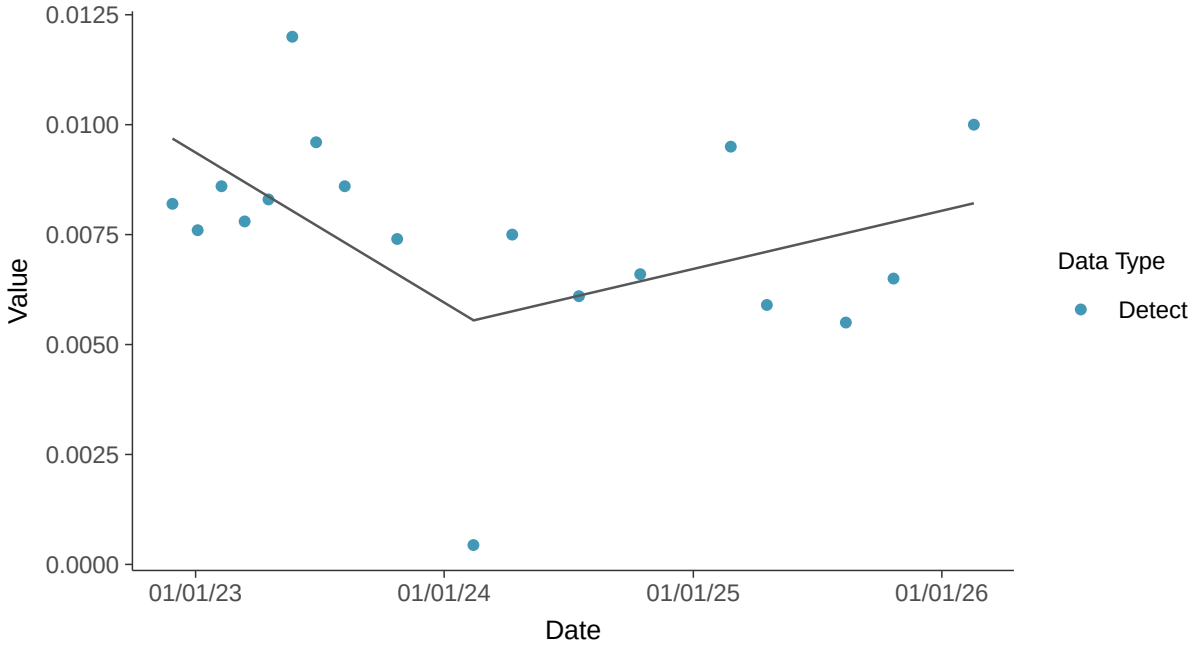
Trend Regression: Lognormal MLE

Arsenic, MW-02 (mg/L)



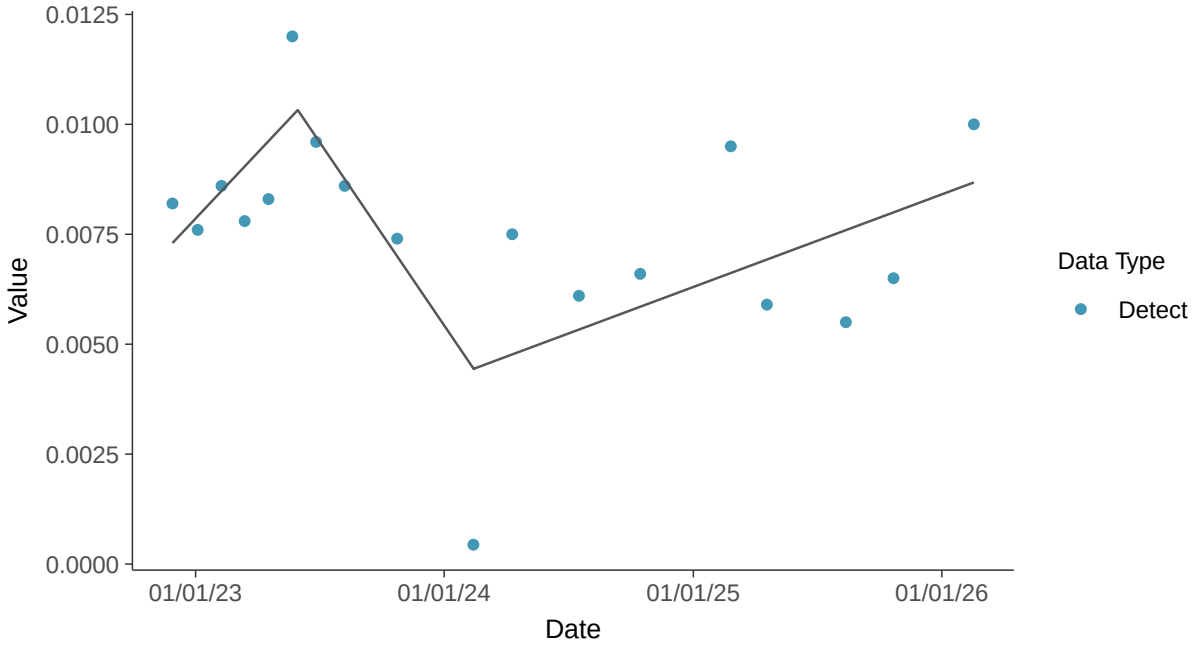
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-02 (mg/L)



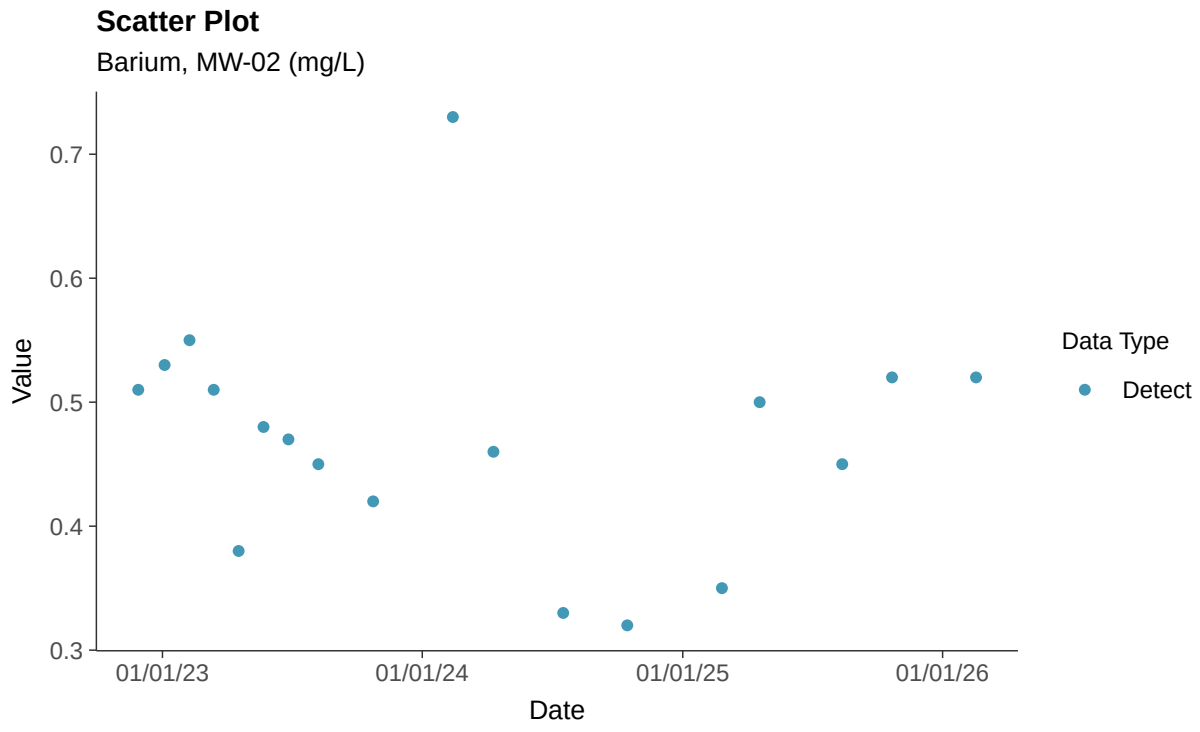
Trend Regression: Piecewise Linear-Linear-Linear

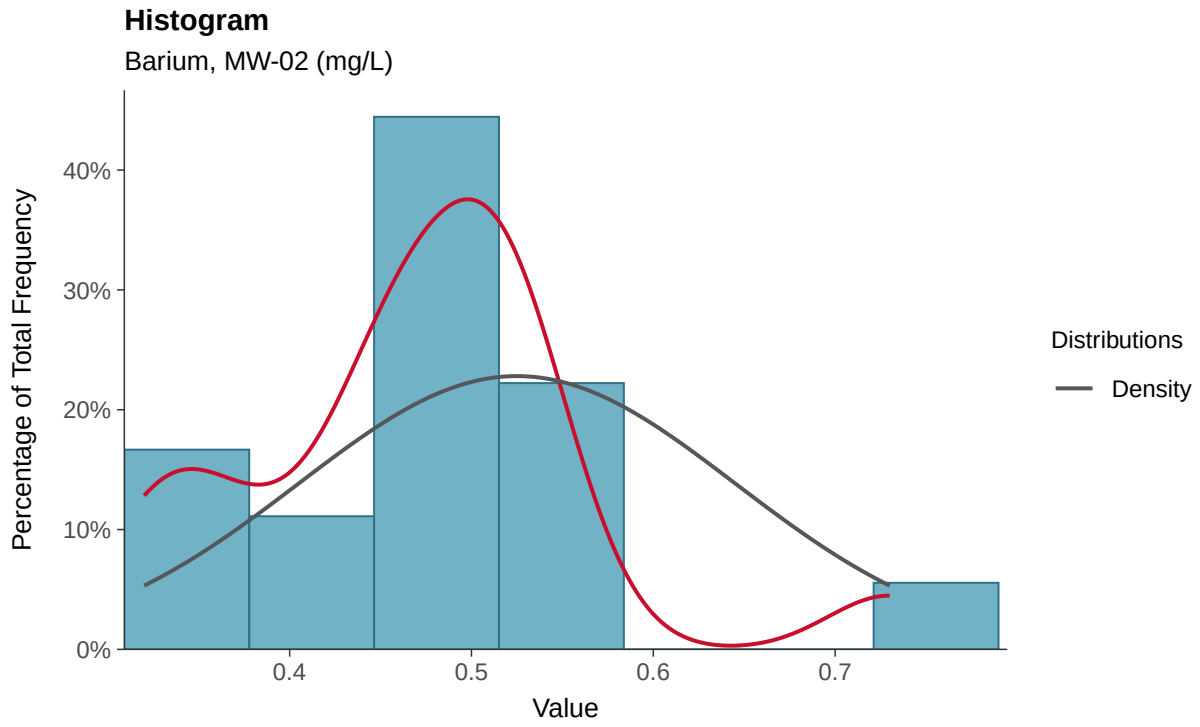
Arsenic, MW-02 (mg/L)



Appendix IV: Barium, MW-02

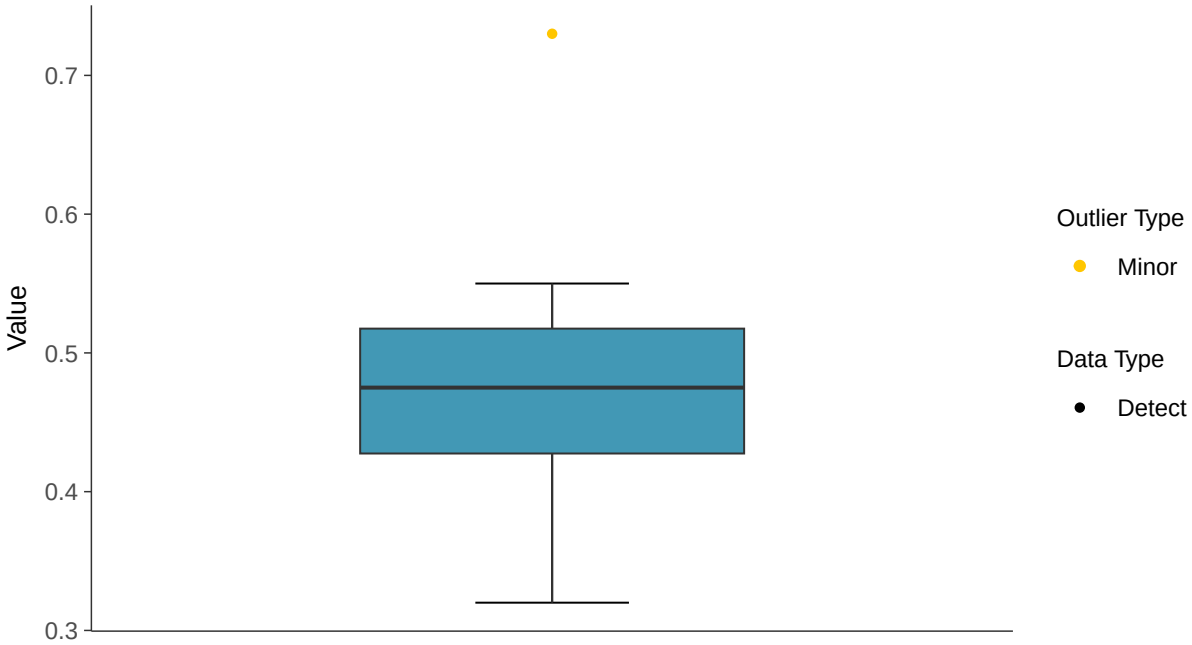
ID: 12_2_4_103





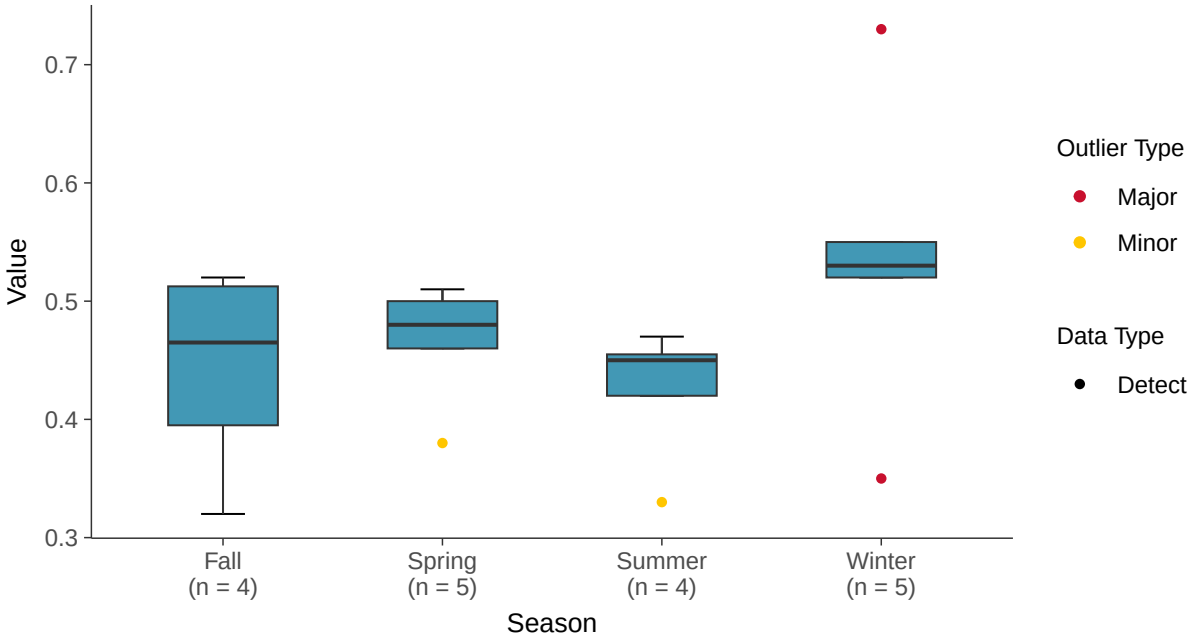
Boxplot

Barium, MW-02 (mg/L)



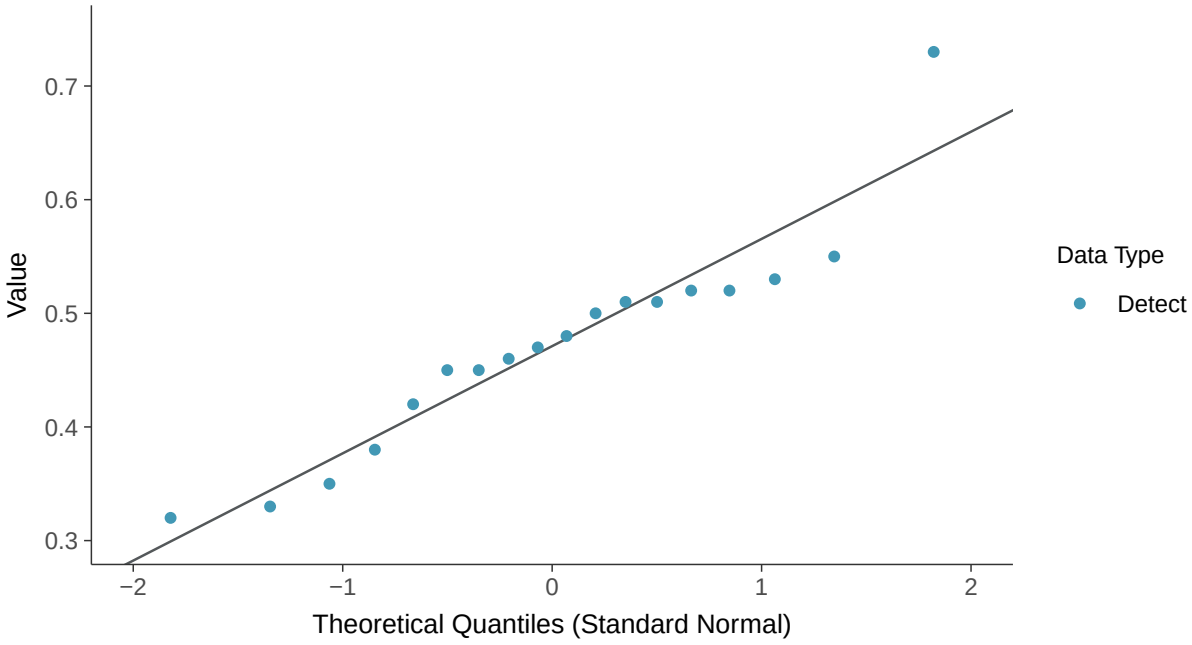
Boxplot by Season

Barium, MW-02 (mg/L)



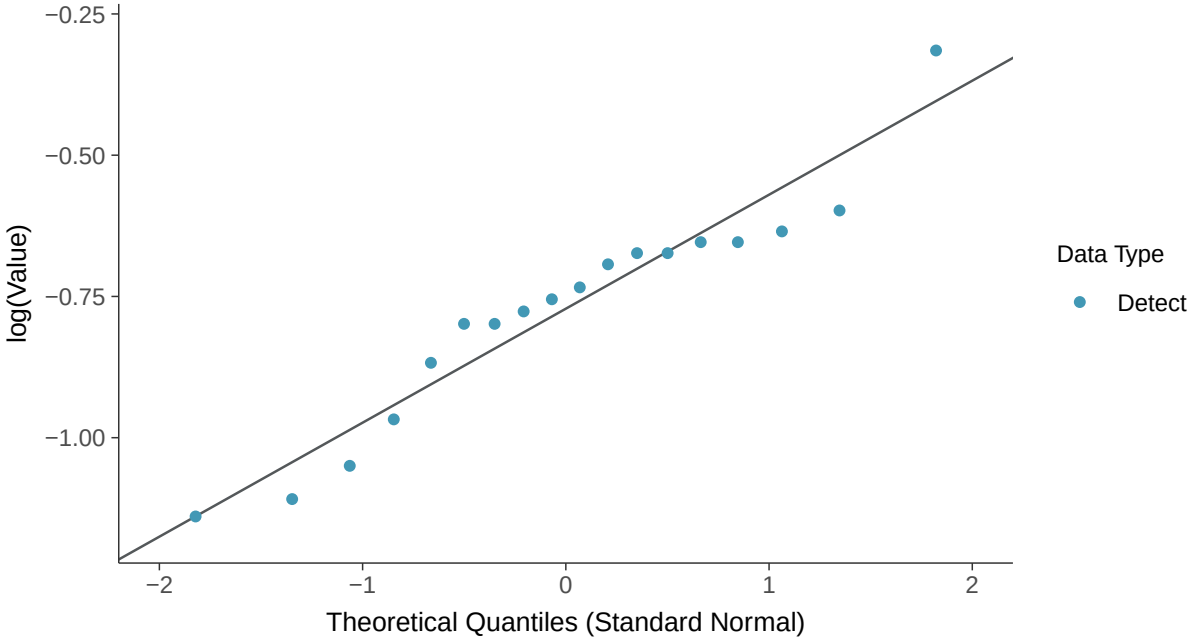
Normal Q-Q plot

Barium, MW-02 (mg/L)



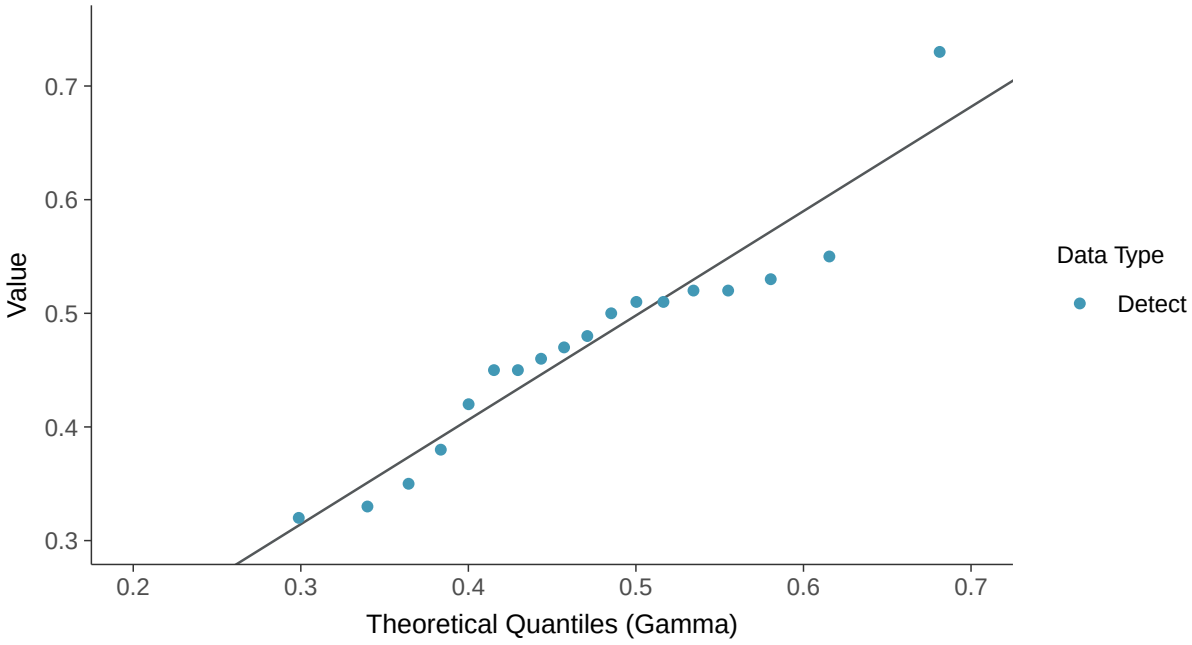
Lognormal Q-Q plot

Barium, MW-02 (mg/L)



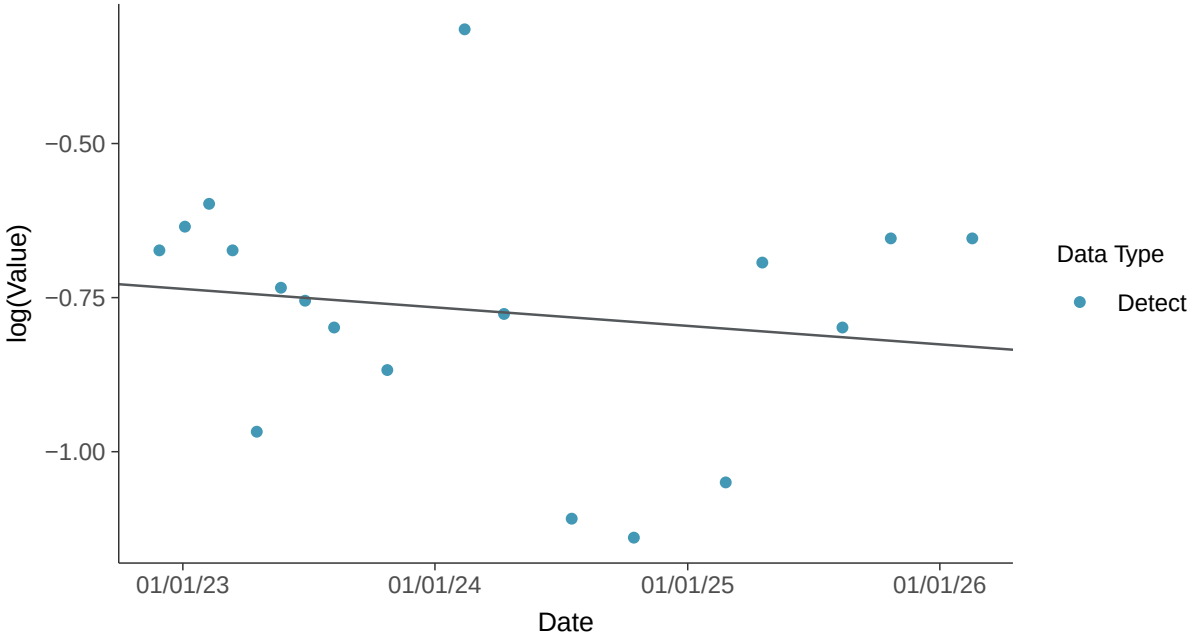
Gamma Q-Q plot

Barium, MW-02 (mg/L)



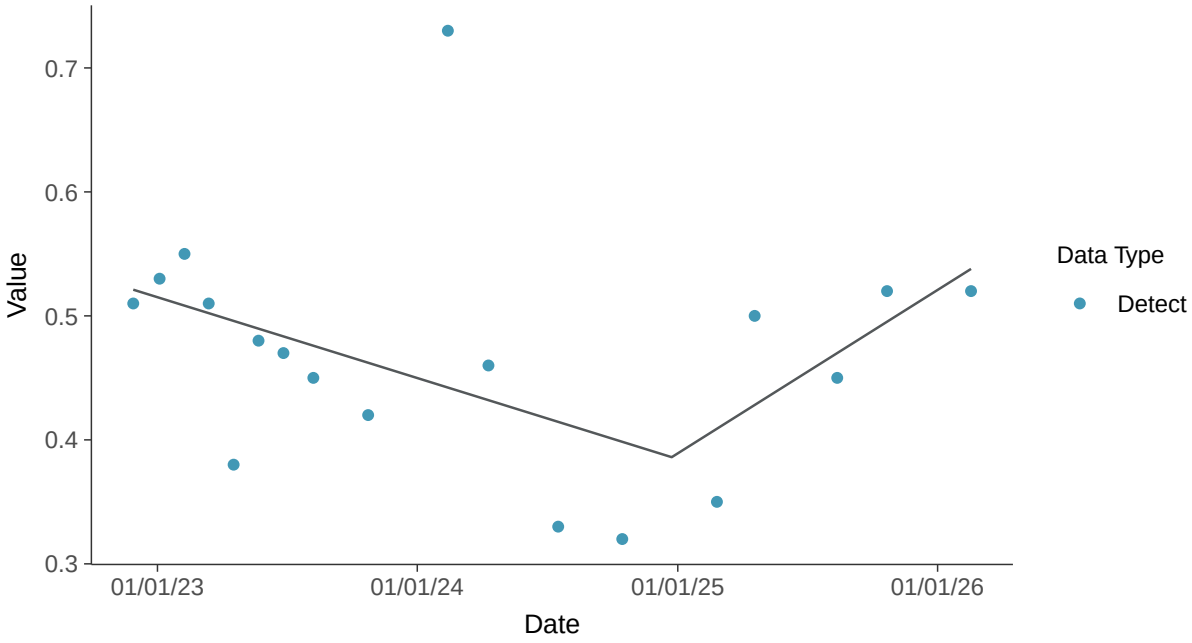
Trend Regression: Lognormal MLE

Barium, MW-02 (mg/L)



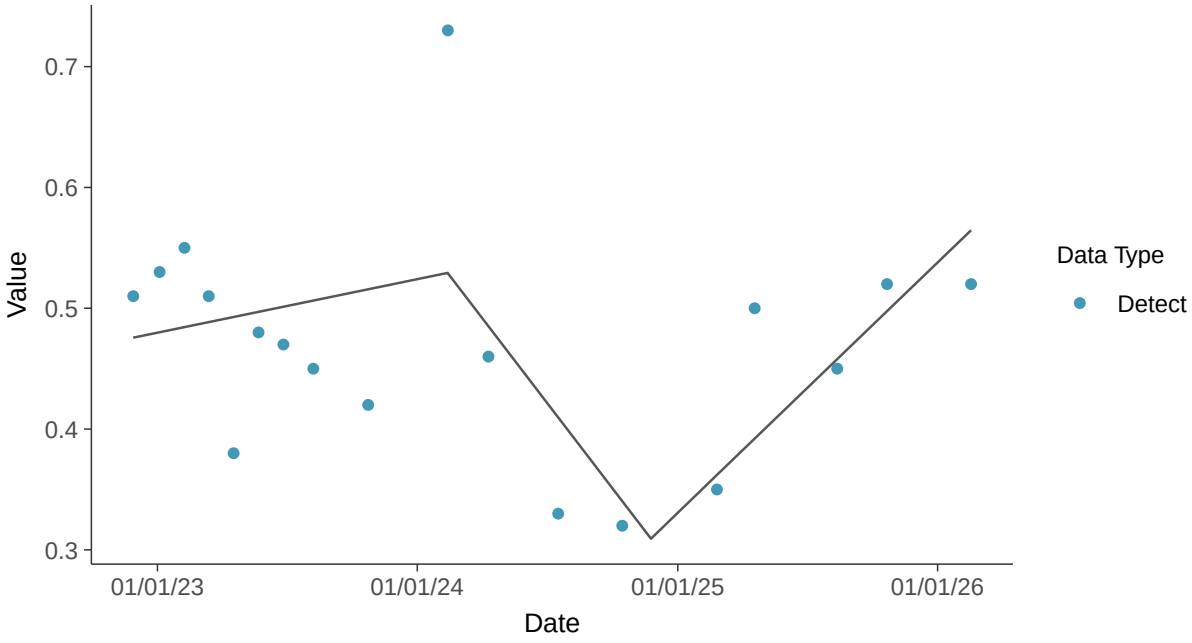
Trend Regression: Piecewise Linear-Linear

Barium, MW-02 (mg/L)



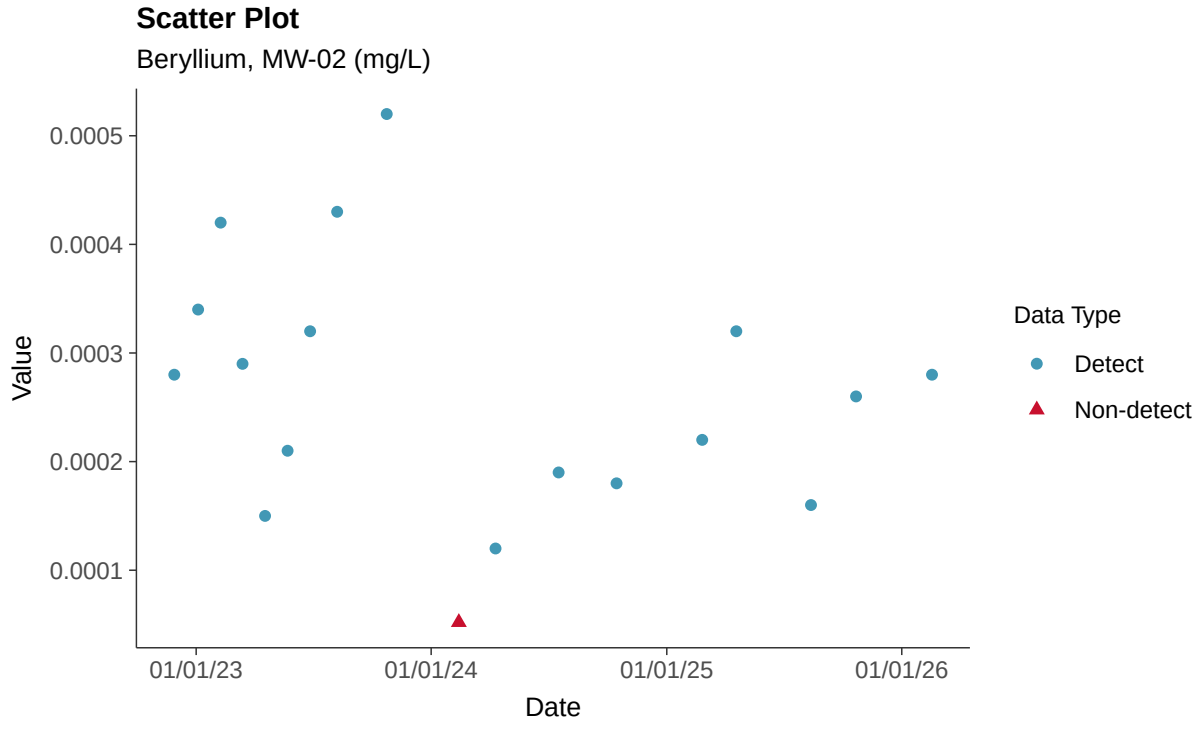
Trend Regression: Piecewise Linear-Linear-Linear

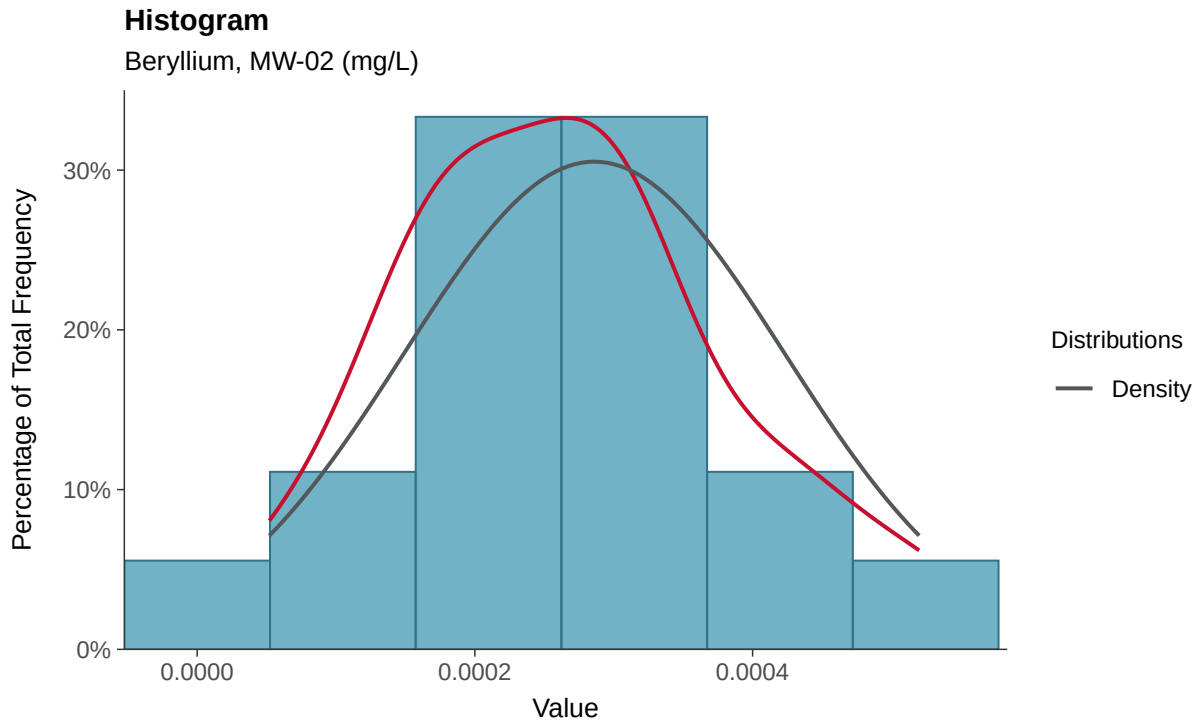
Barium, MW-02 (mg/L)



Appendix IV: Beryllium, MW-02

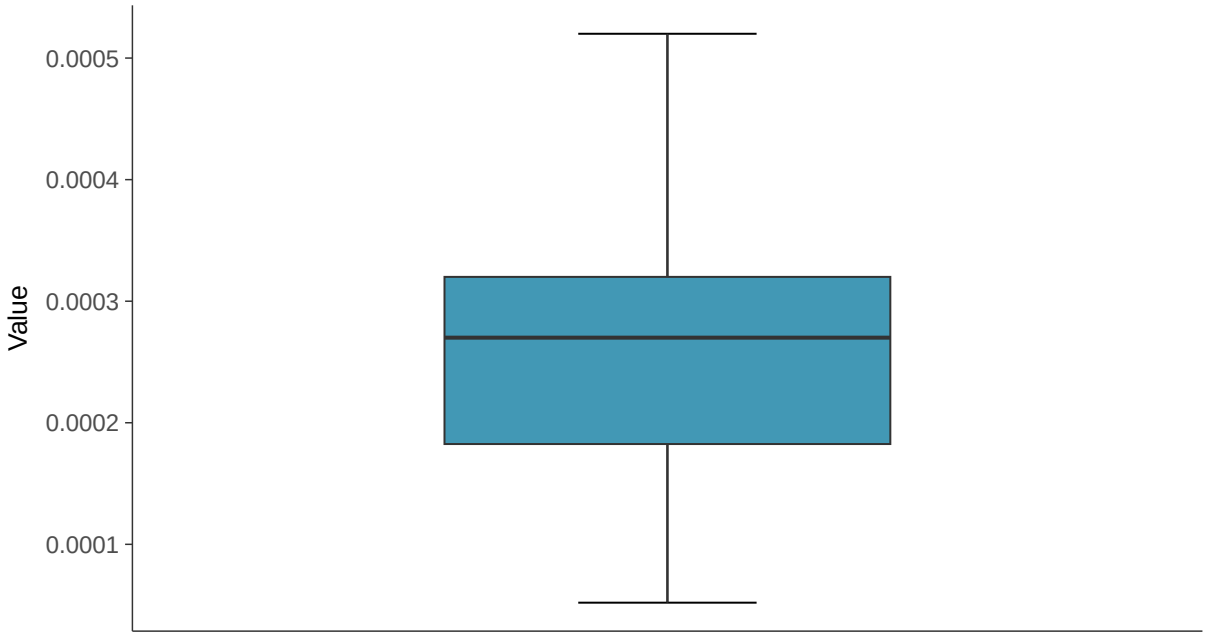
ID: 12_2_4_104





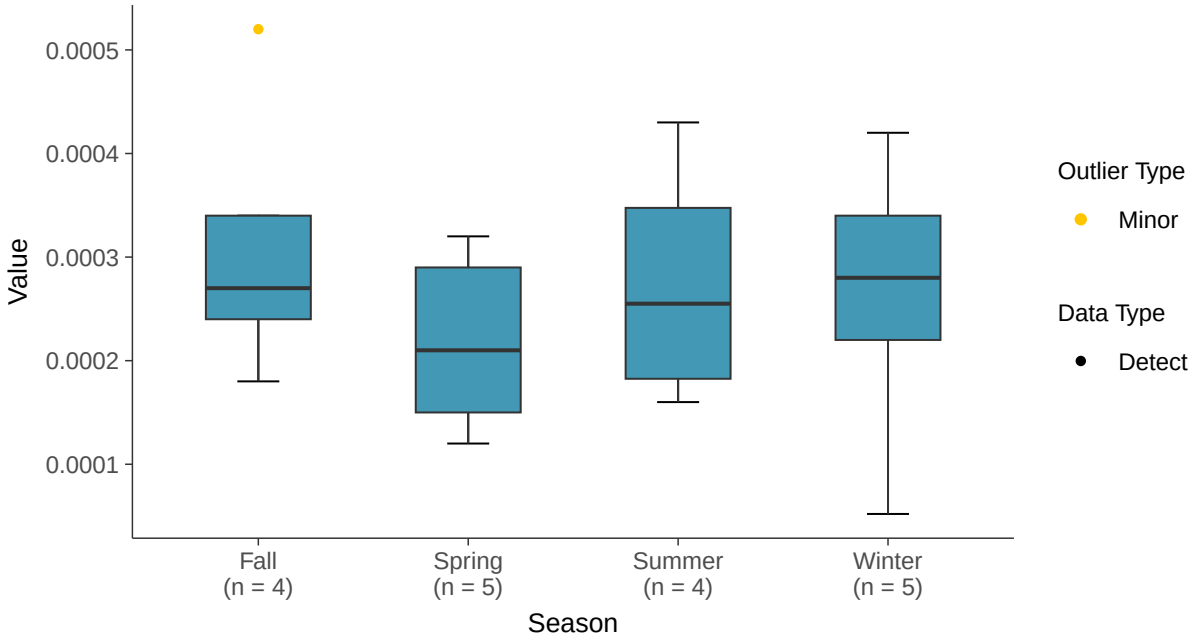
Boxplot

Beryllium, MW-02 (mg/L)



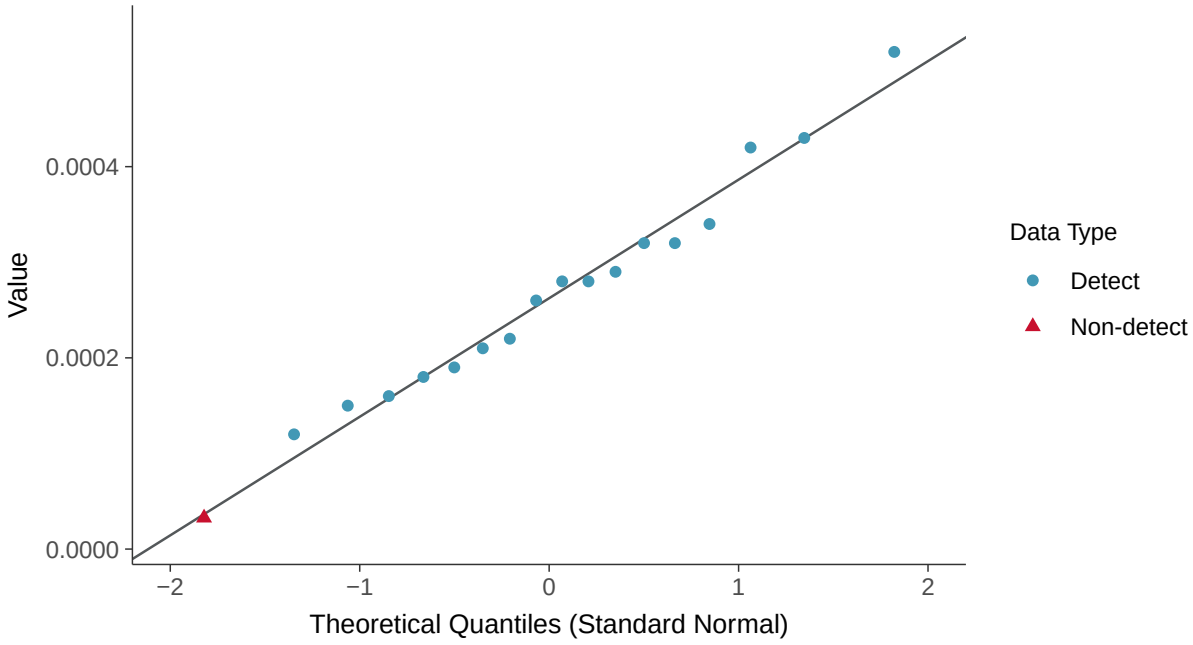
Boxplot by Season

Beryllium, MW-02 (mg/L)



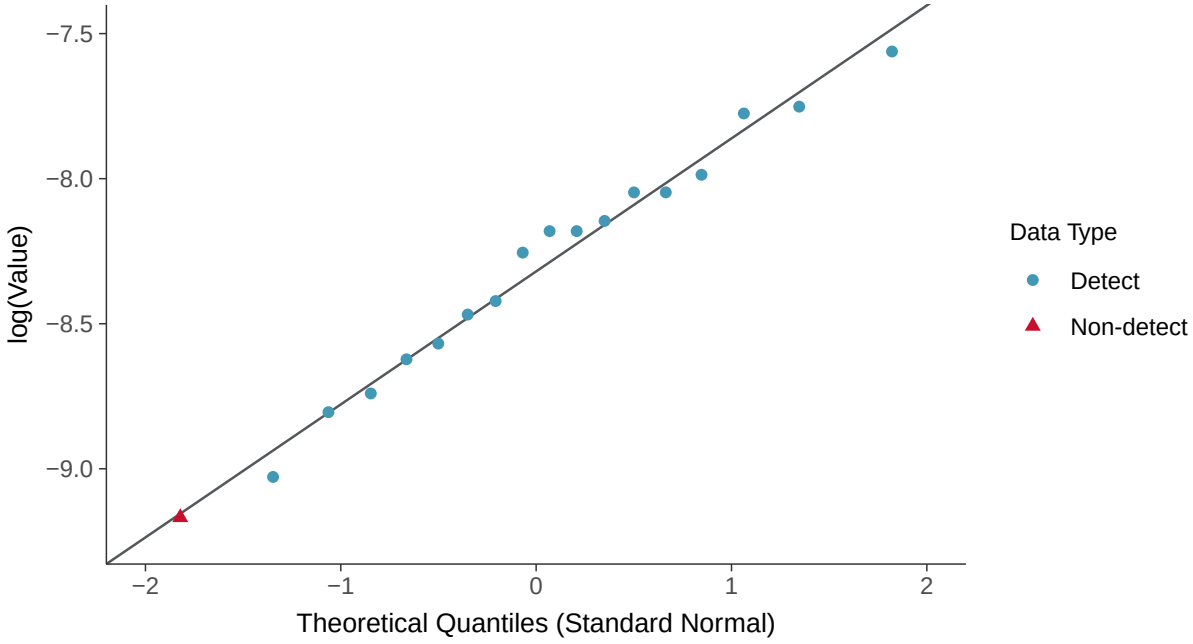
Normal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-02 (mg/L)



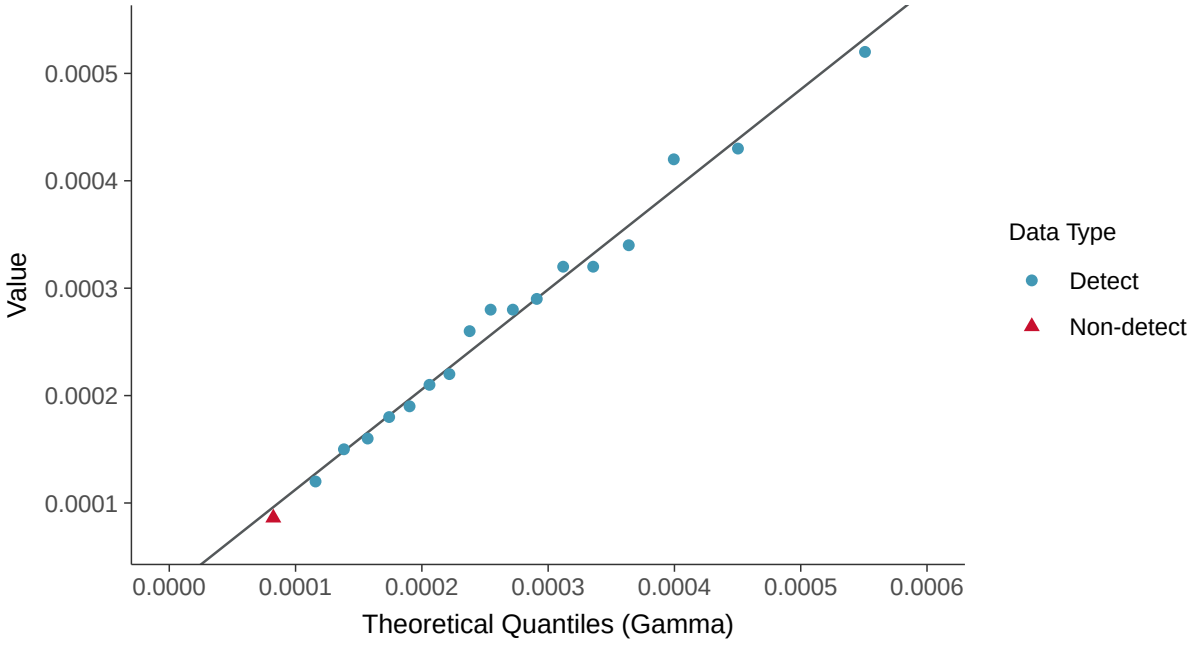
Lognormal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-02 (mg/L)



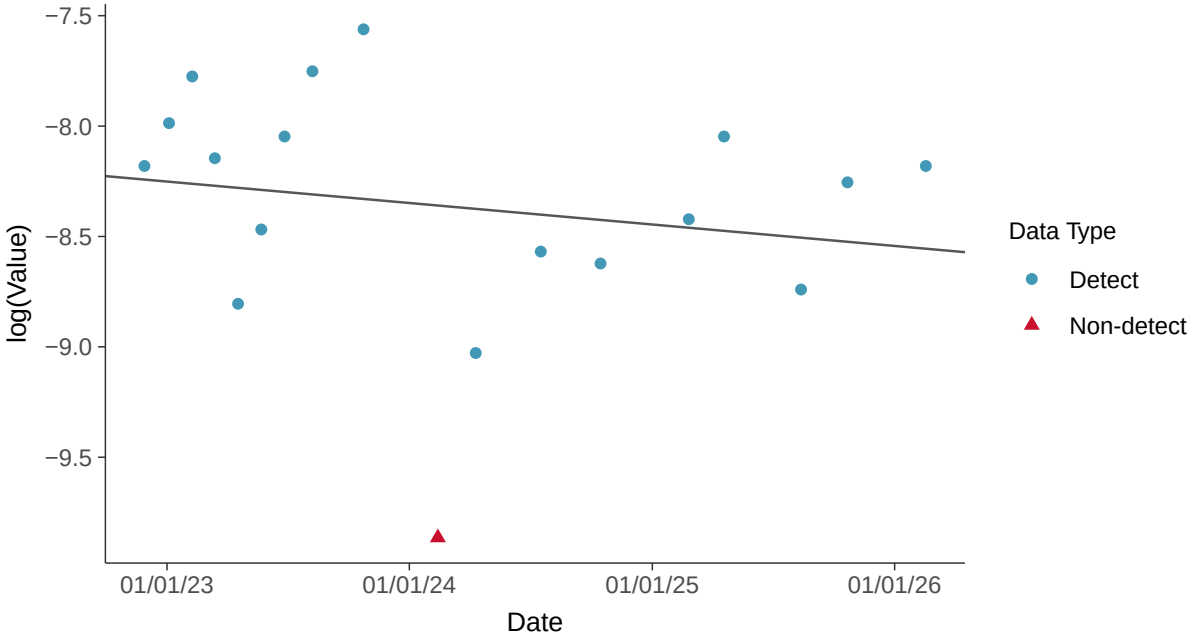
Gamma Q-Q plot using ROS Imputed Estimates

Beryllium, MW-02 (mg/L)



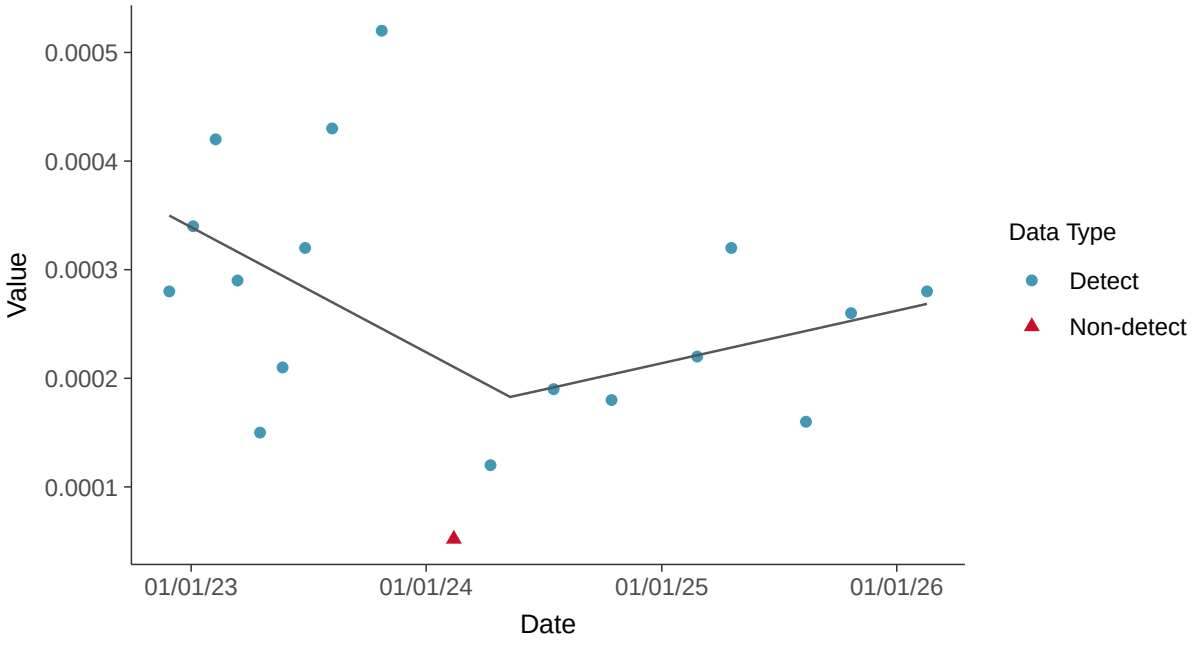
Trend Regression: Lognormal MLE

Beryllium, MW-02 (mg/L)



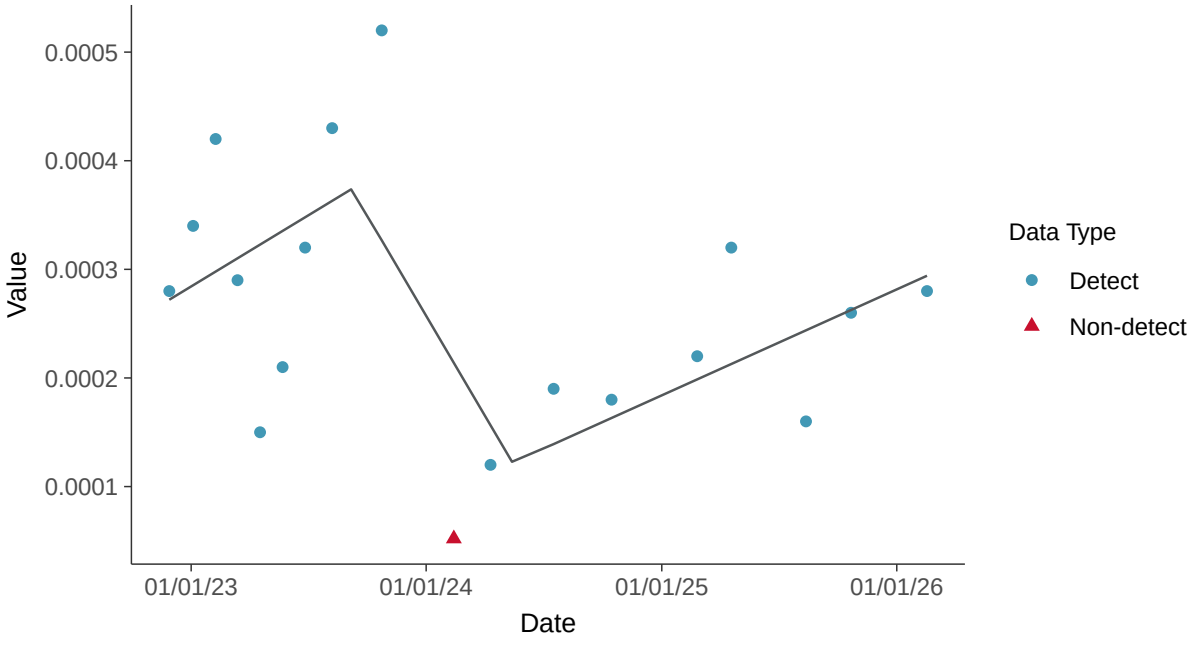
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-02 (mg/L)



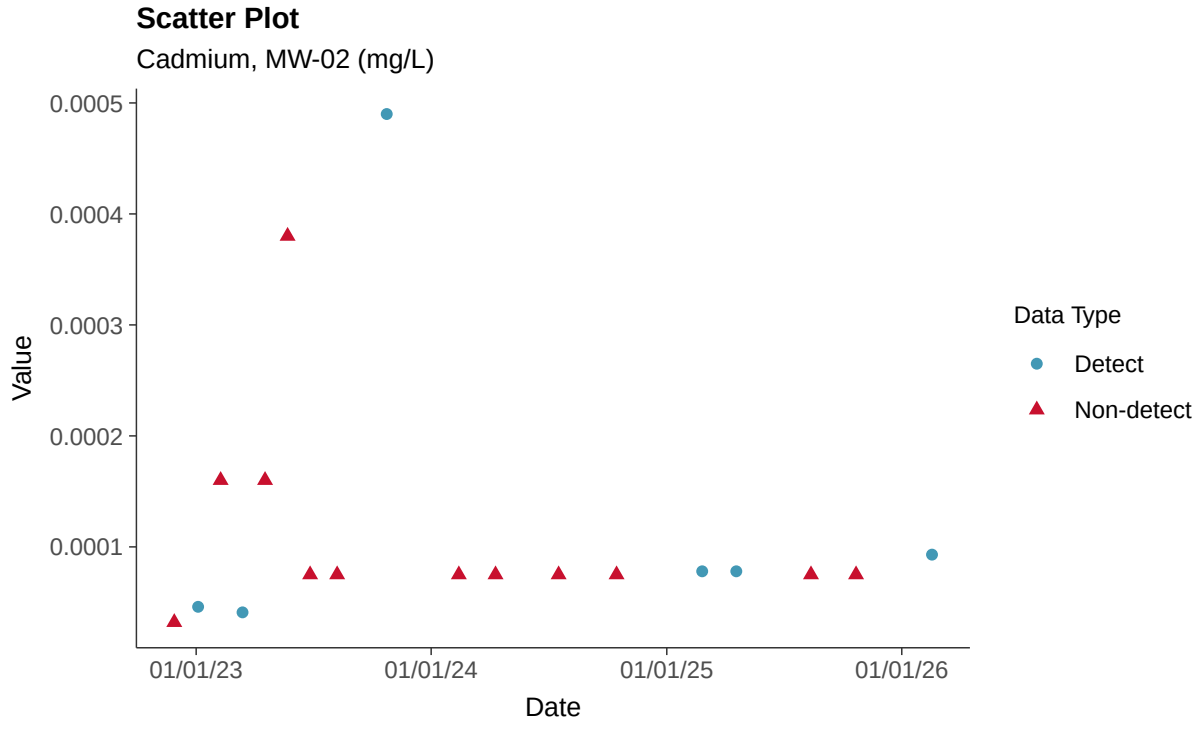
Trend Regression: Piecewise Linear-Linear-Linear

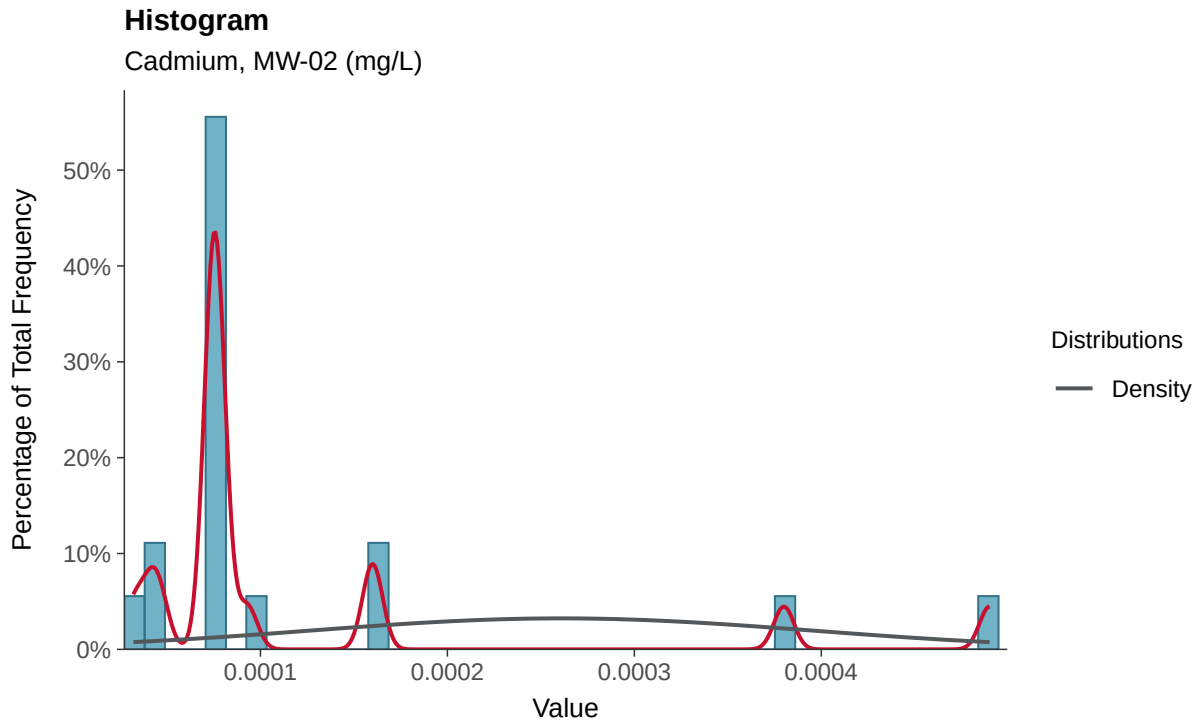
Beryllium, MW-02 (mg/L)



Appendix IV: Cadmium, MW-02

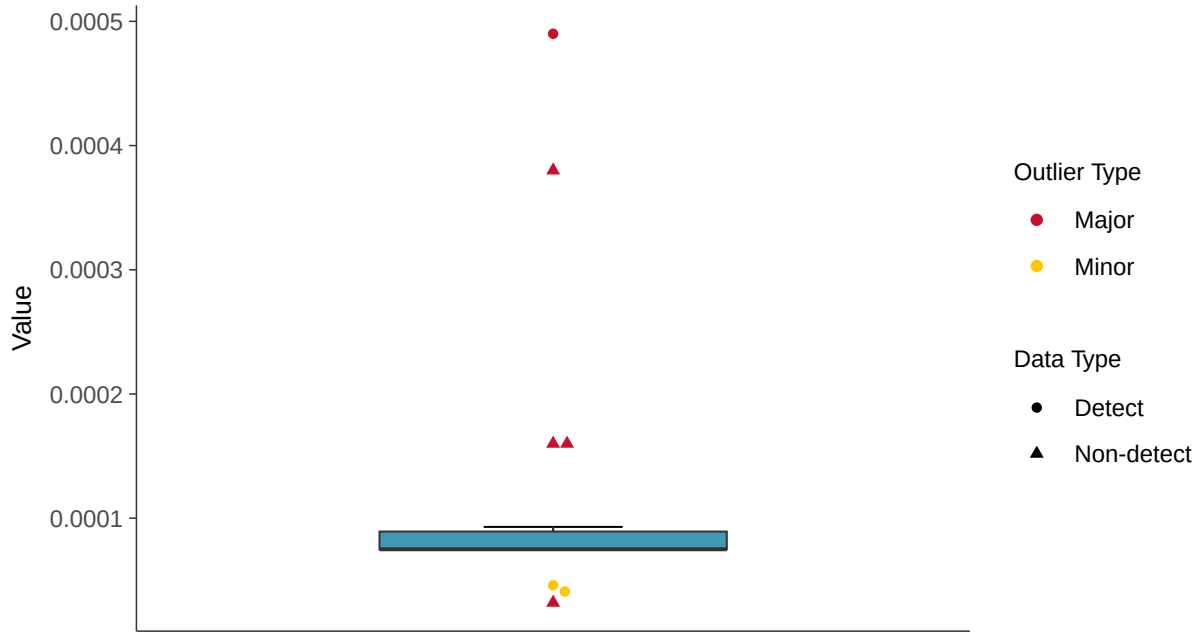
ID: 12_2_4_106





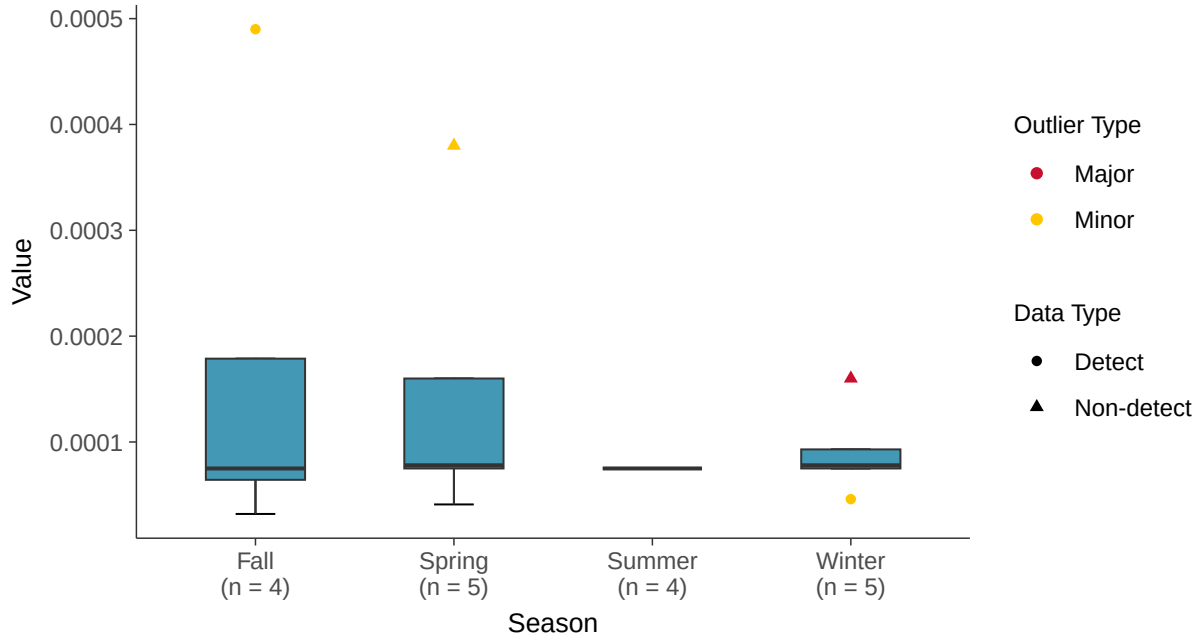
Boxplot

Cadmium, MW-02 (mg/L)



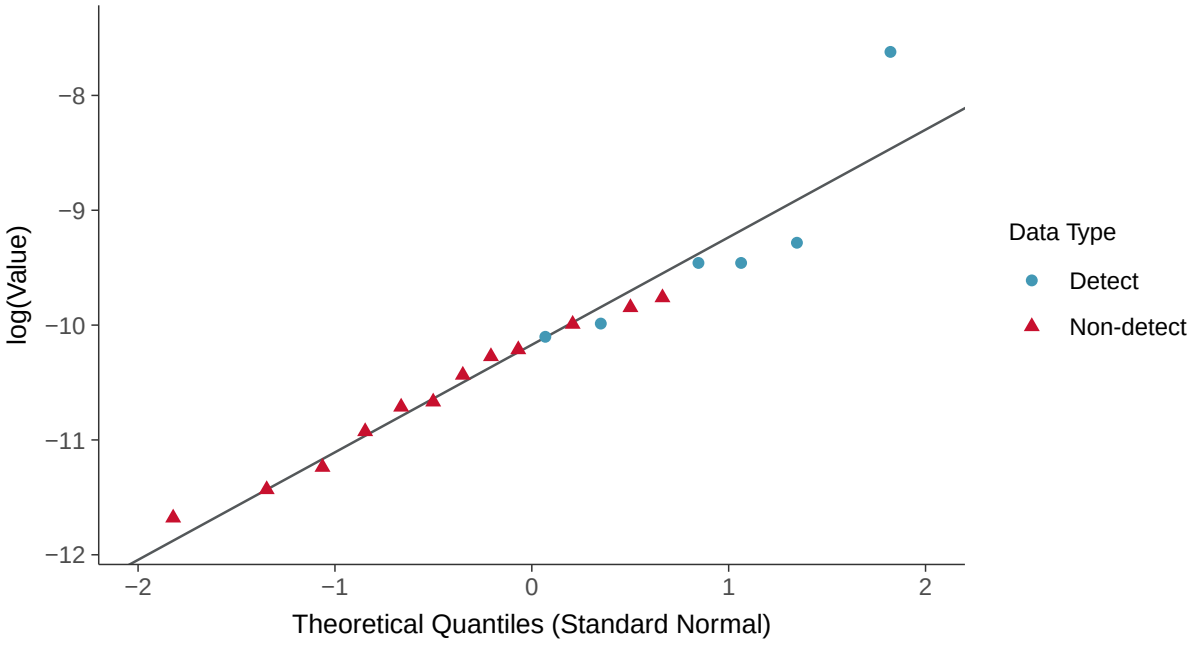
Boxplot by Season

Cadmium, MW-02 (mg/L)



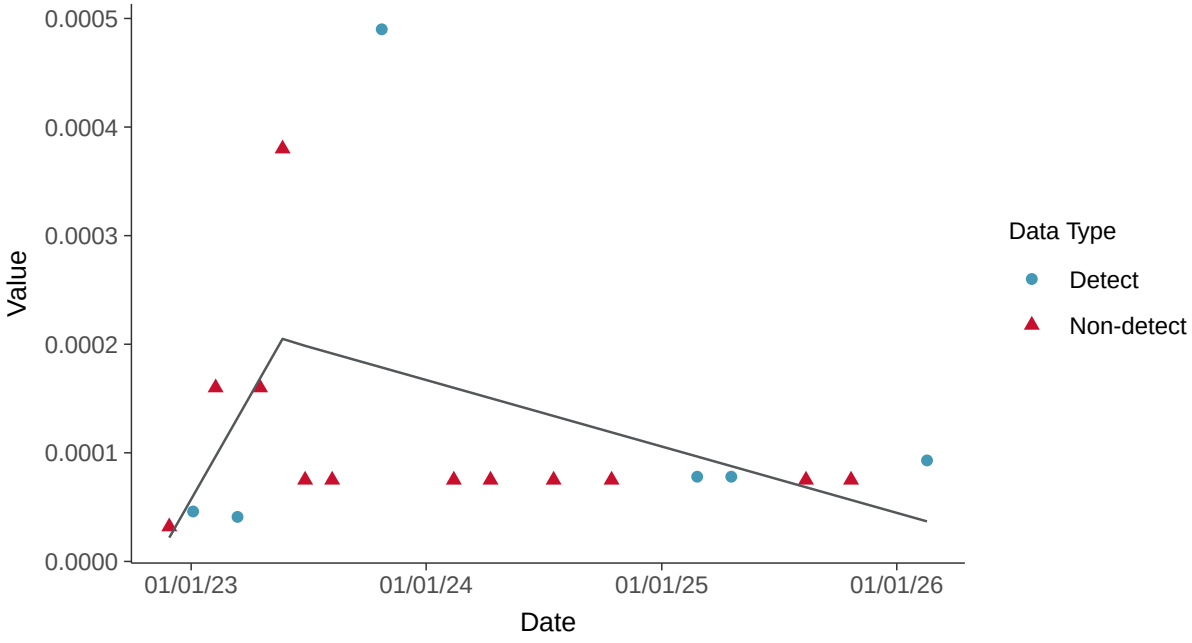
Lognormal Q-Q plot using ROS Imputed Estimates

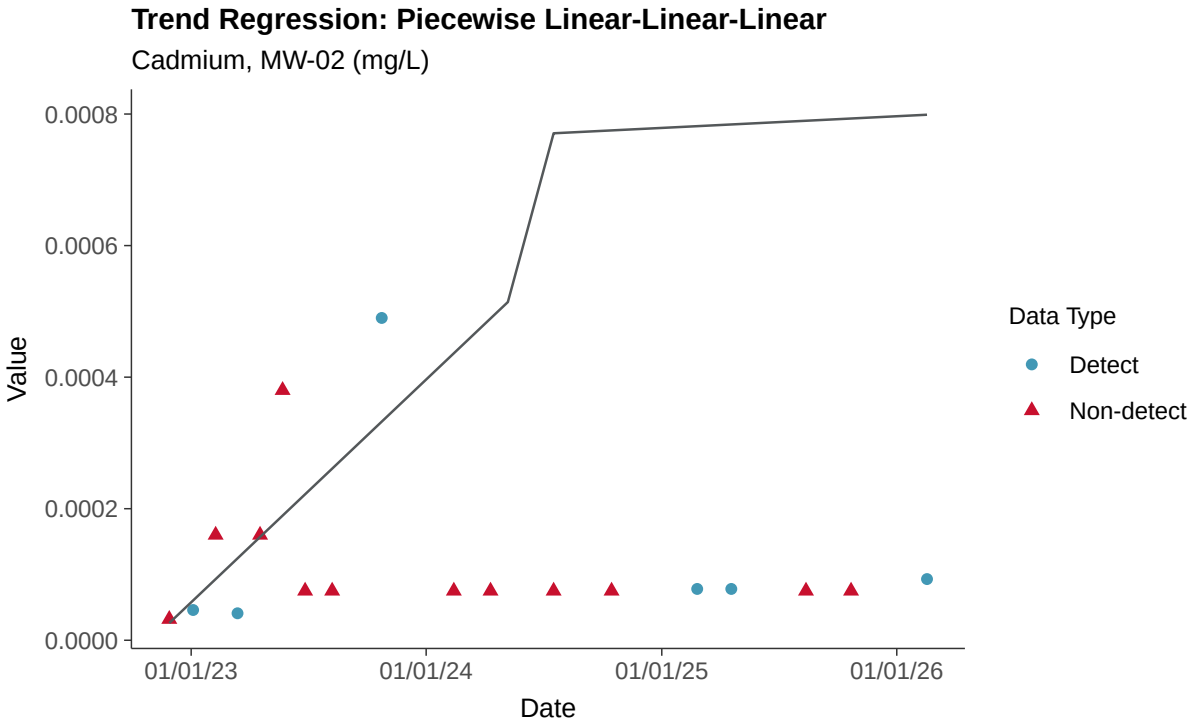
Cadmium, MW-02 (mg/L)



Trend Regression: Piecewise Linear-Linear

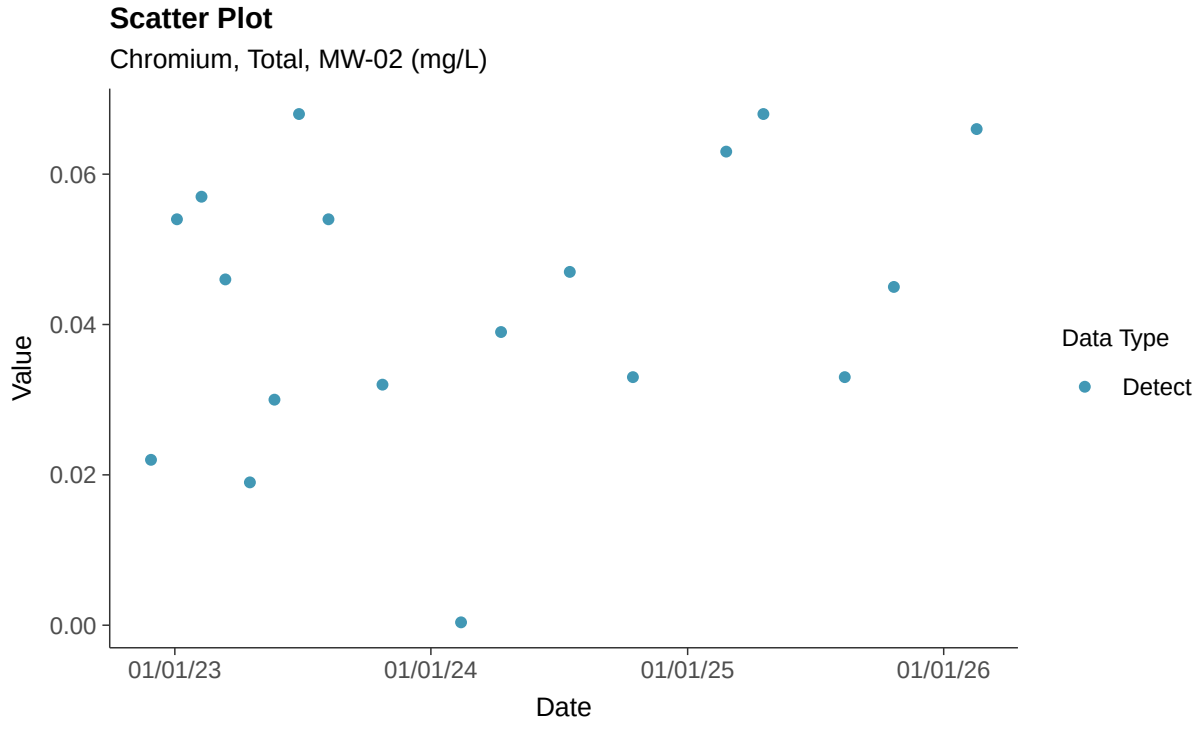
Cadmium, MW-02 (mg/L)

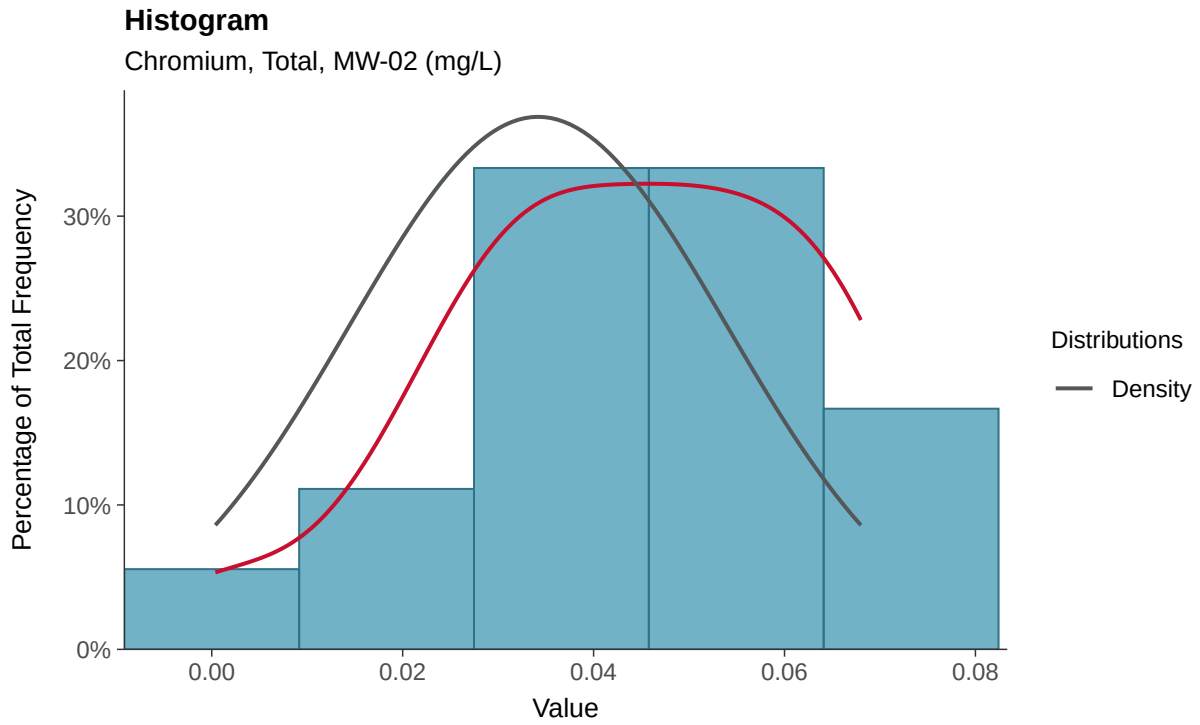



Trend Regression: Piecewise Linear-Linear-Linear
Cadmium, MW-02 (mg/L)
Value
0.0008
0.0006
0.0004
0.0002
0.0000
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Chromium, Total, MW-02

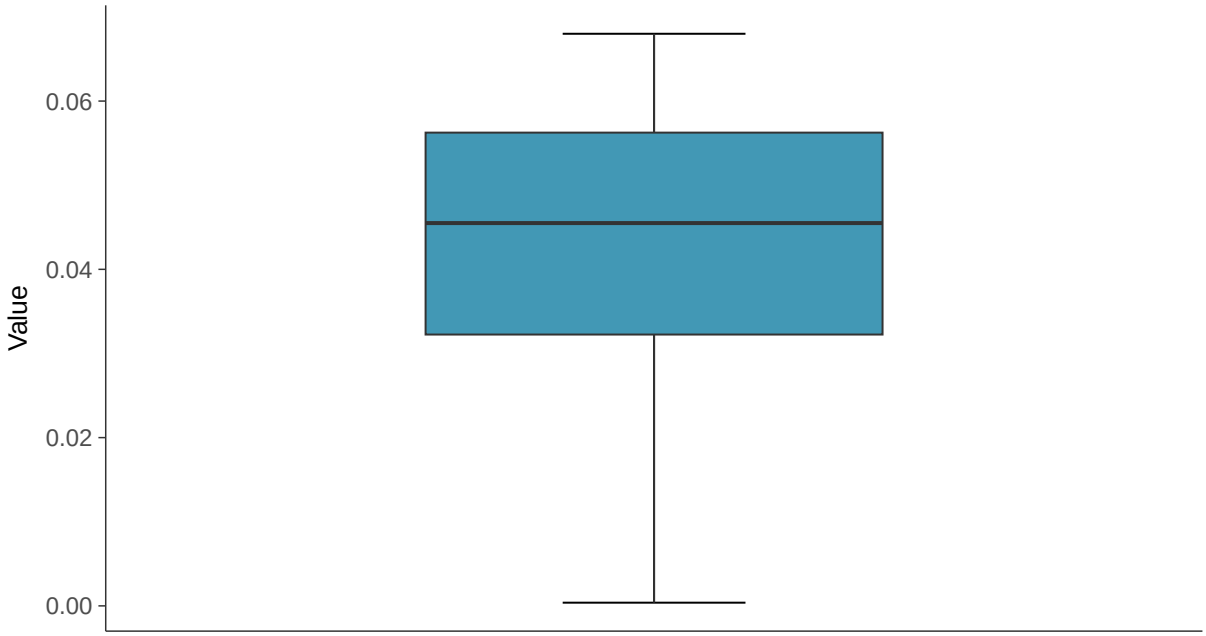
ID: 12_2_4_109





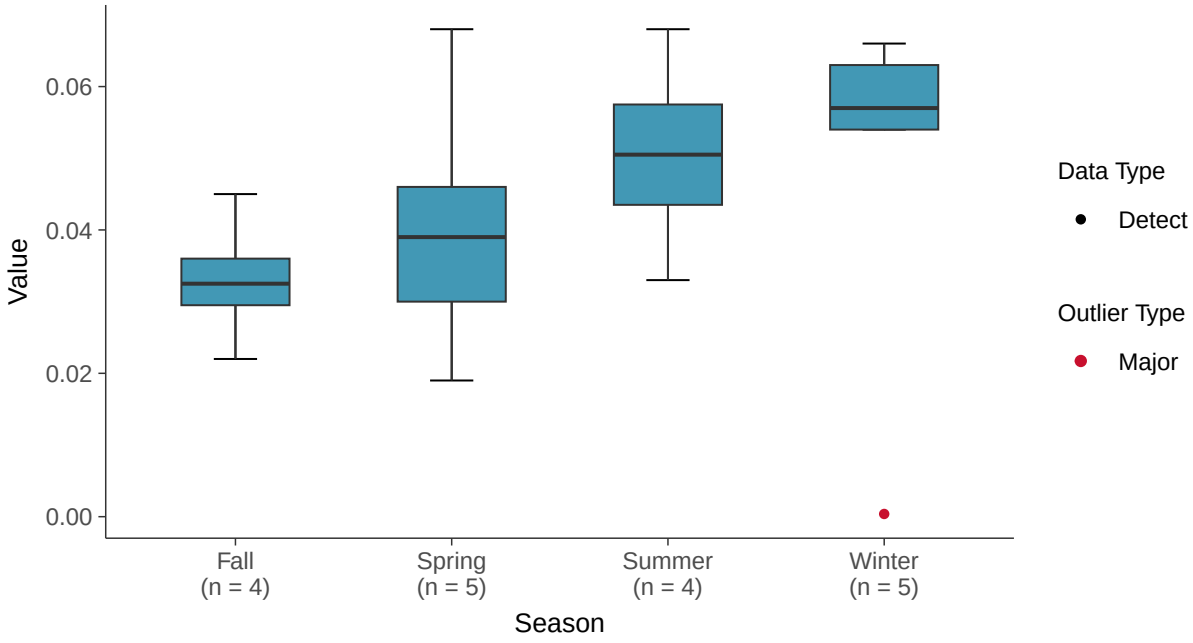
Boxplot

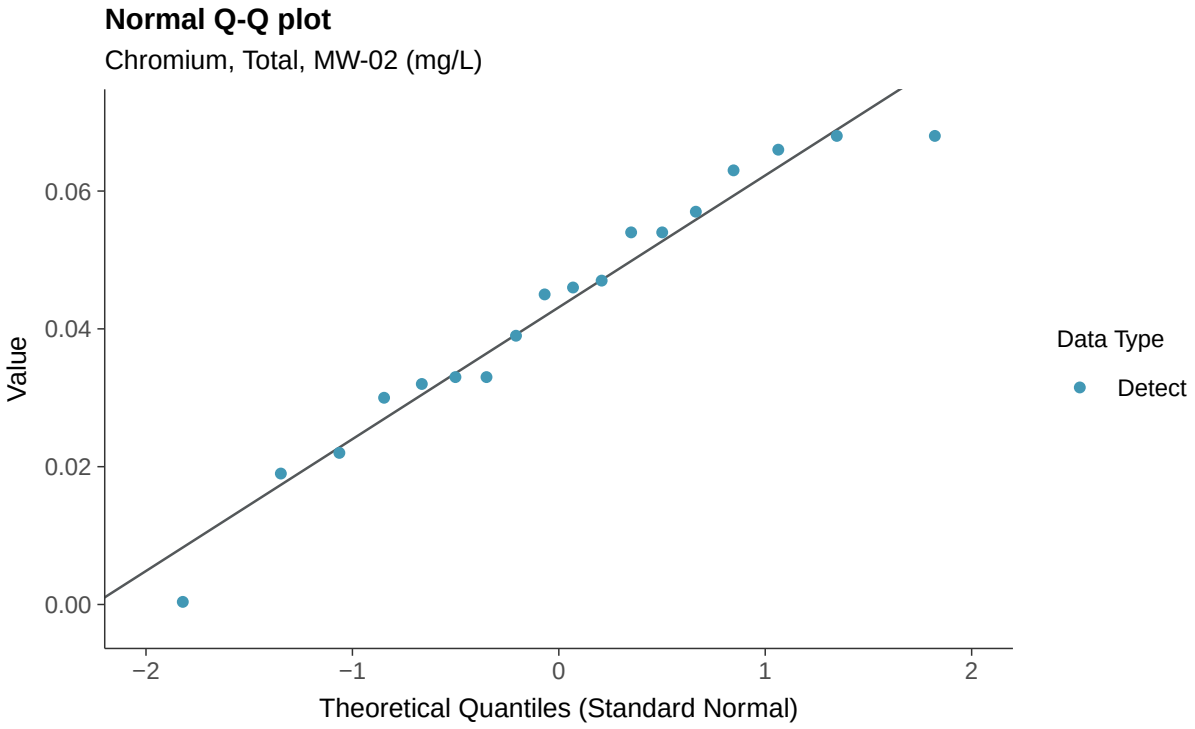
Chromium, Total, MW-02 (mg/L)

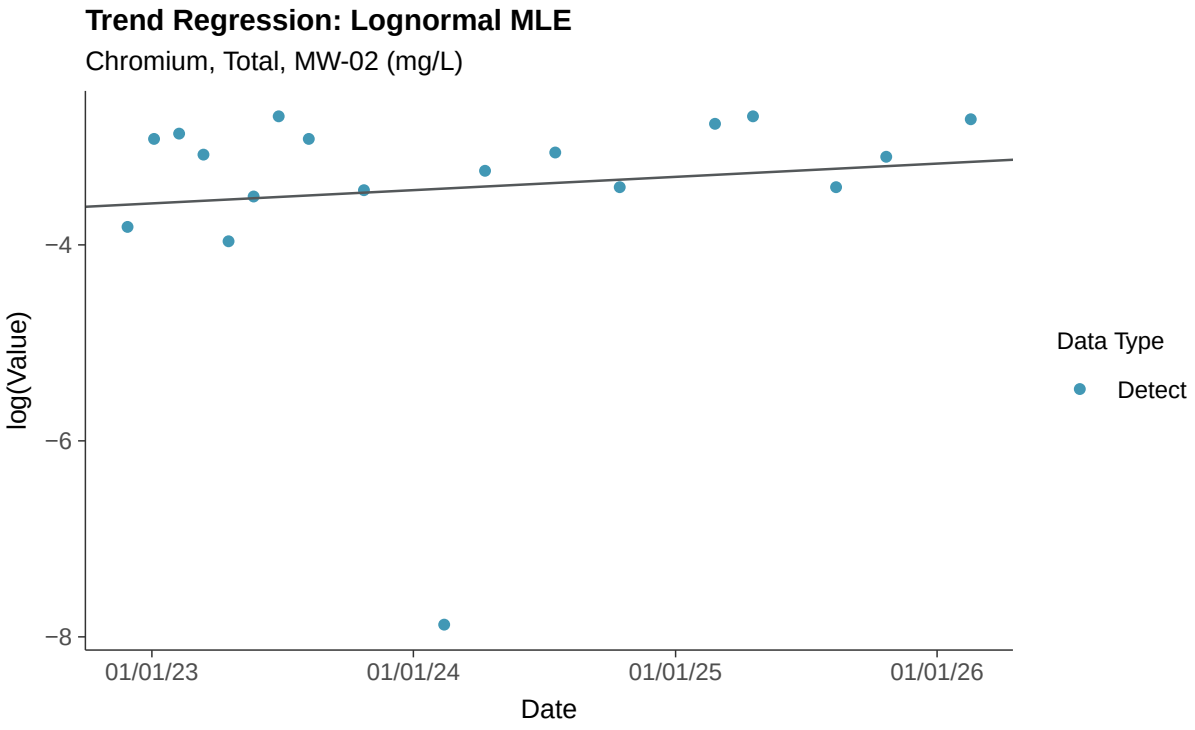


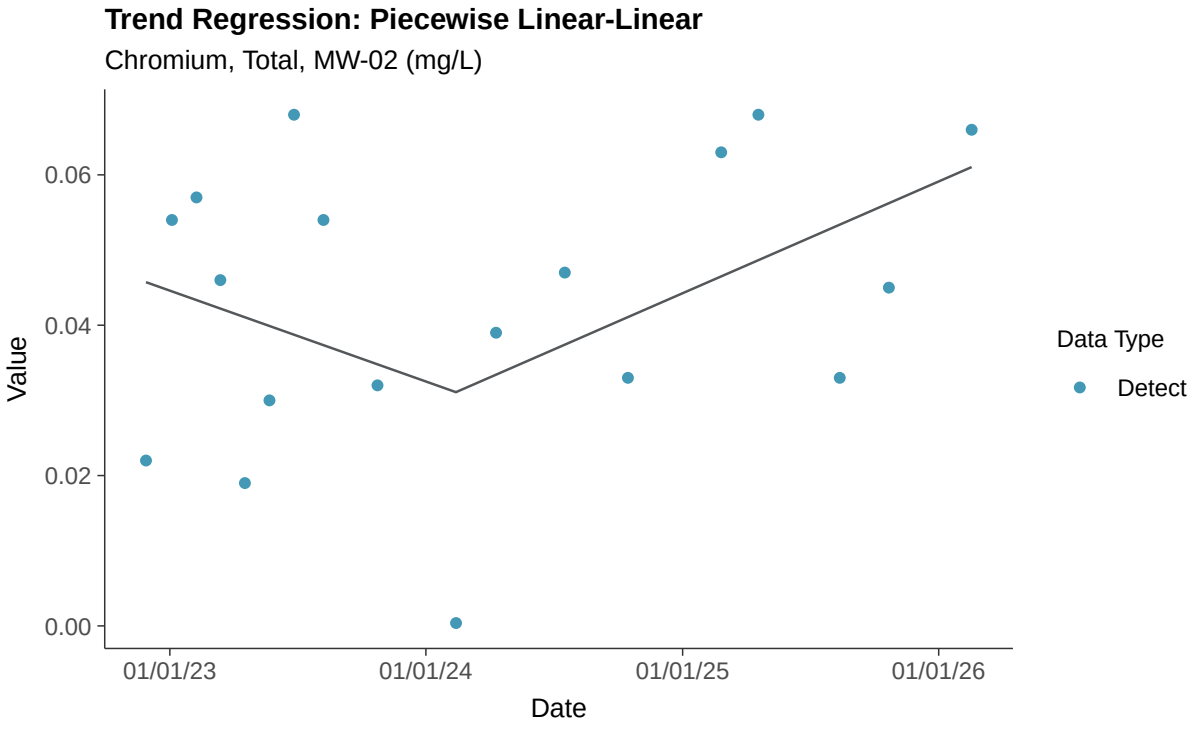
Boxplot by Season

Chromium, Total, MW-02 (mg/L)



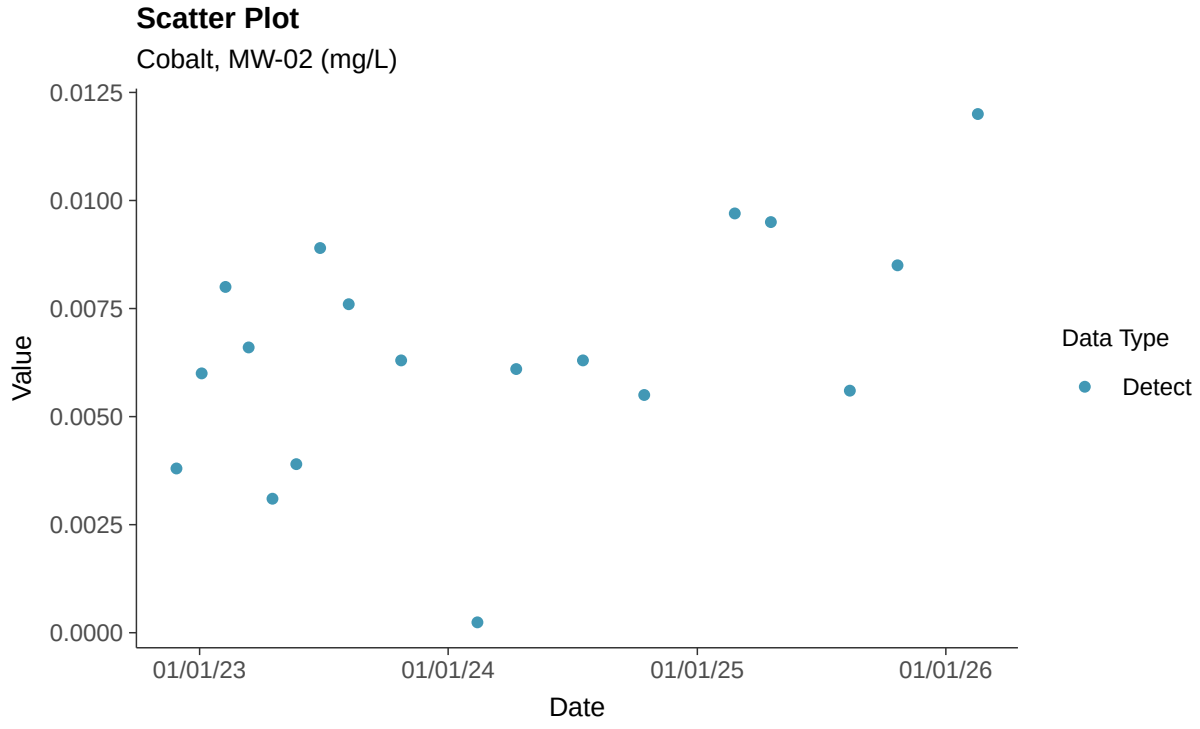

Normal Q-Q plot
Chromium, Total, MW-02 (mg/L)
Value
0.06
0.04
0.02
0.00
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

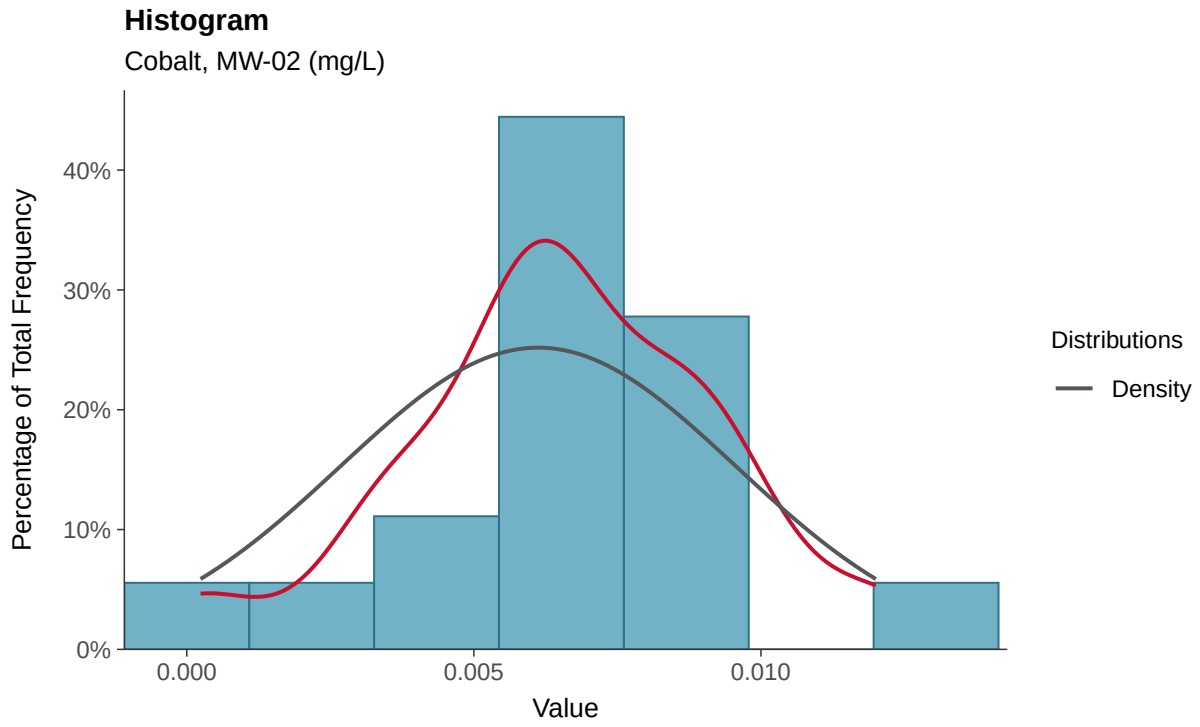

Trend Regression: Lognormal MLE
Chromium, Total, MW-02 (mg/L)
log(Value)
−4
−6
−8
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect


Trend Regression: Piecewise Linear-Linear
Chromium, Total, MW-02 (mg/L)
Value
0.06
0.04
0.02
0.00
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Cobalt, MW-02

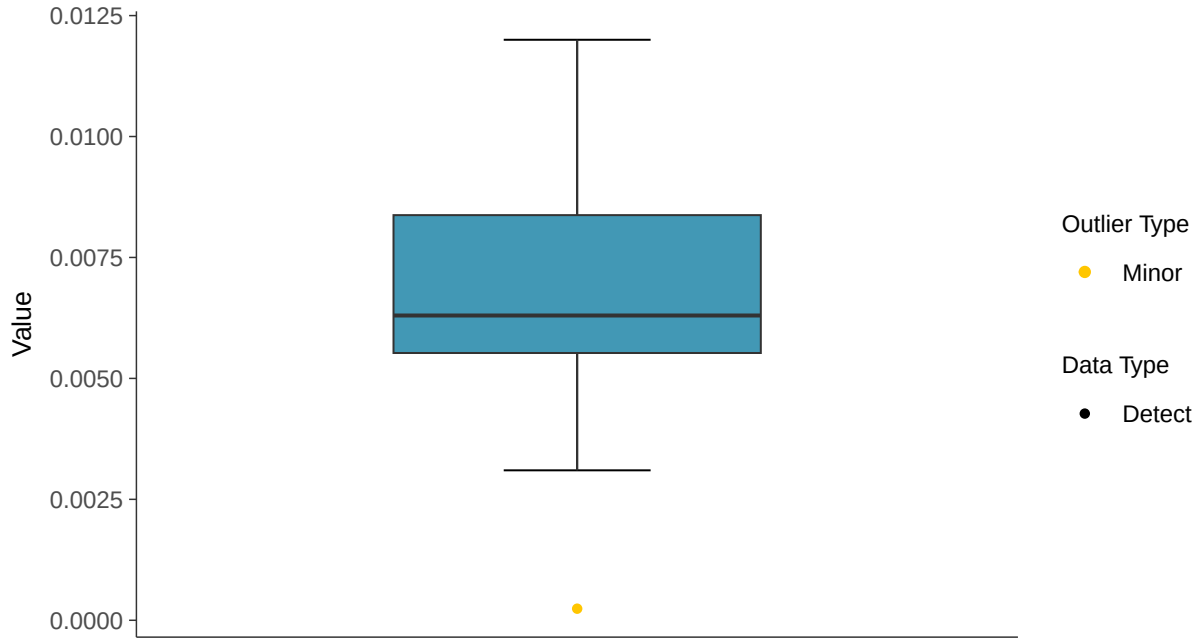
ID: 12_2_4_110





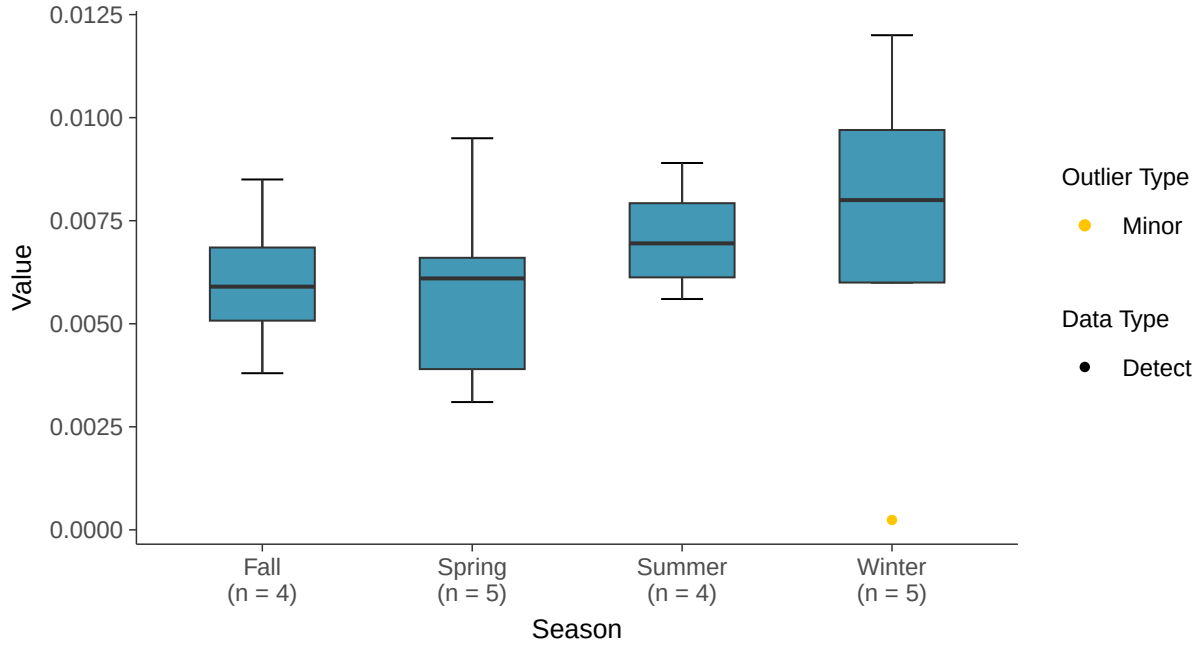
Boxplot

Cobalt, MW-02 (mg/L)



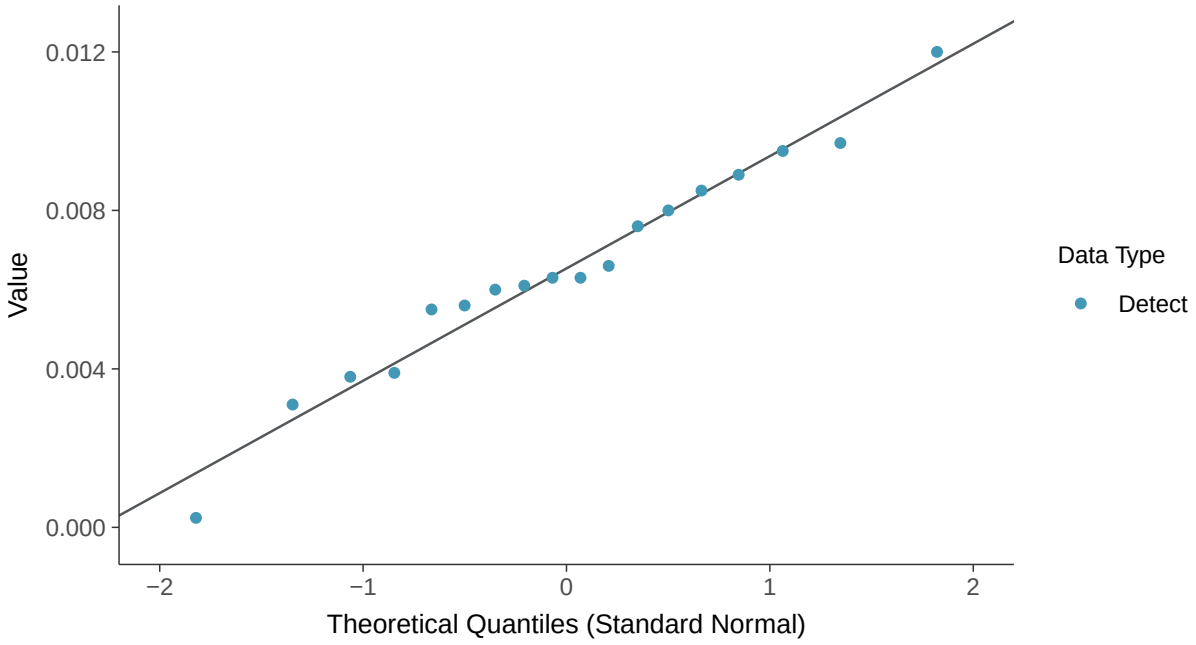
Boxplot by Season

Cobalt, MW-02 (mg/L)



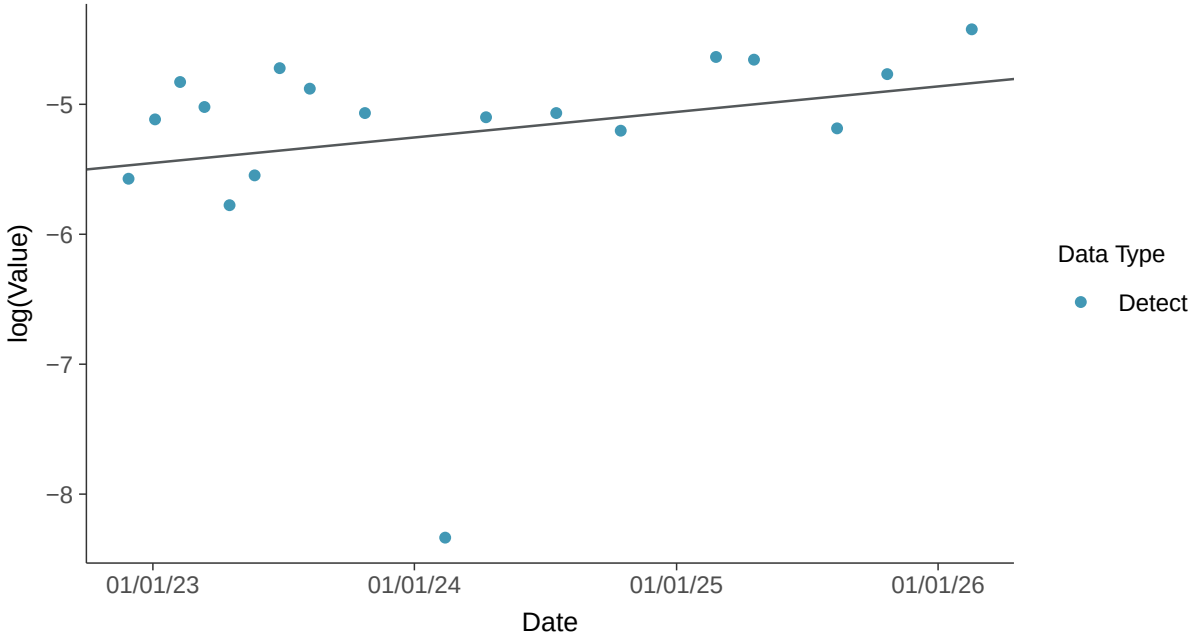
Normal Q-Q plot

Cobalt, MW-02 (mg/L)



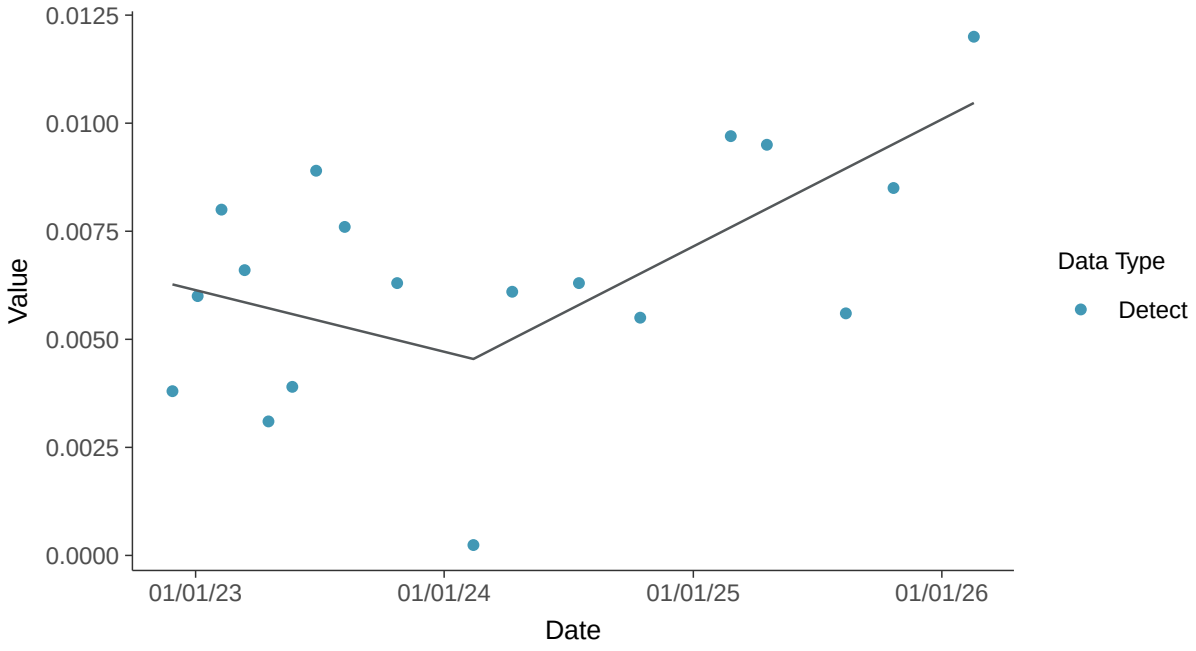
Trend Regression: Lognormal MLE

Cobalt, MW-02 (mg/L)



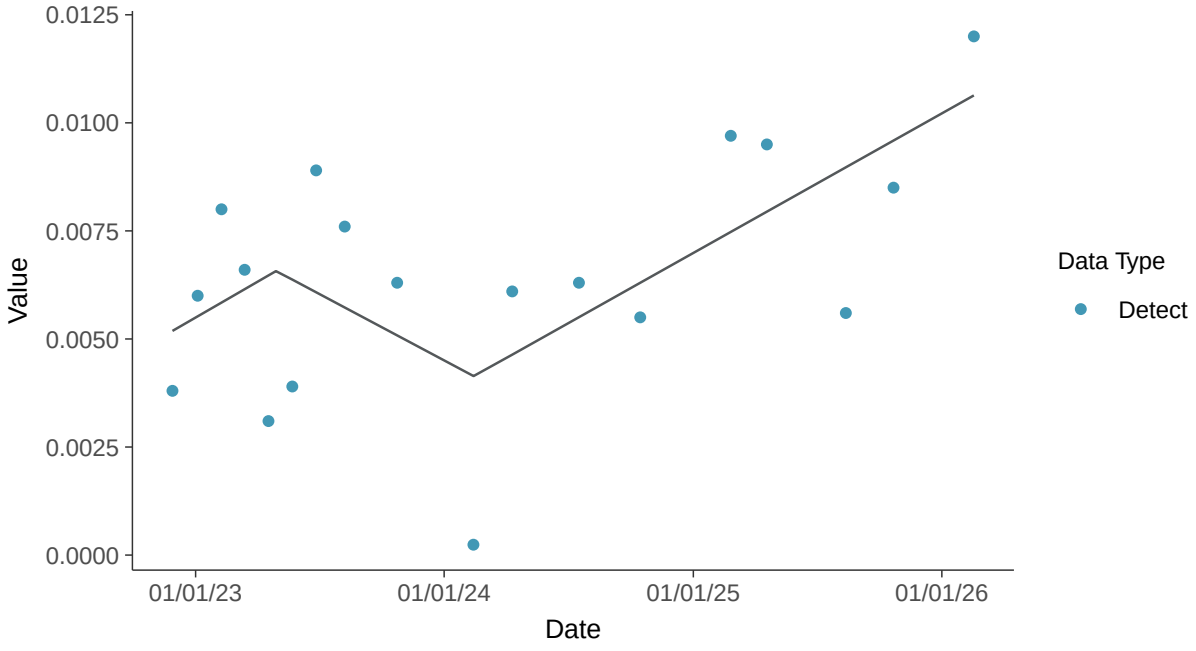
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-02 (mg/L)



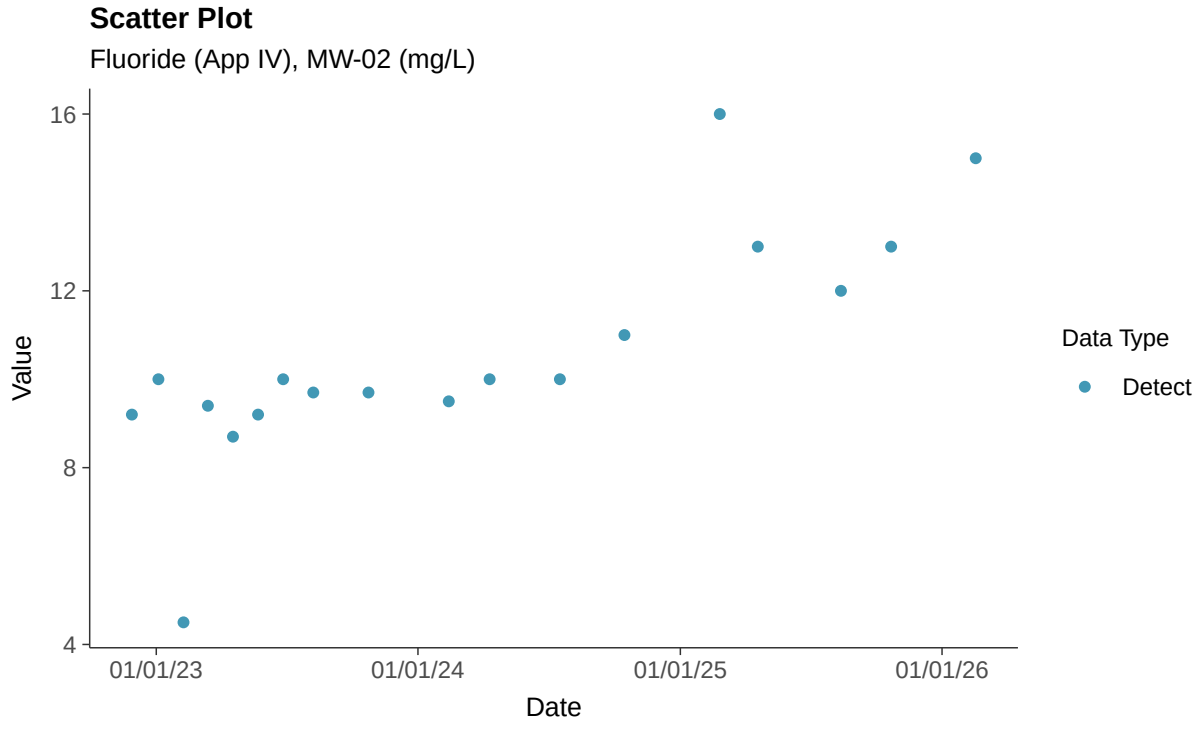
Trend Regression: Piecewise Linear-Linear-Linear

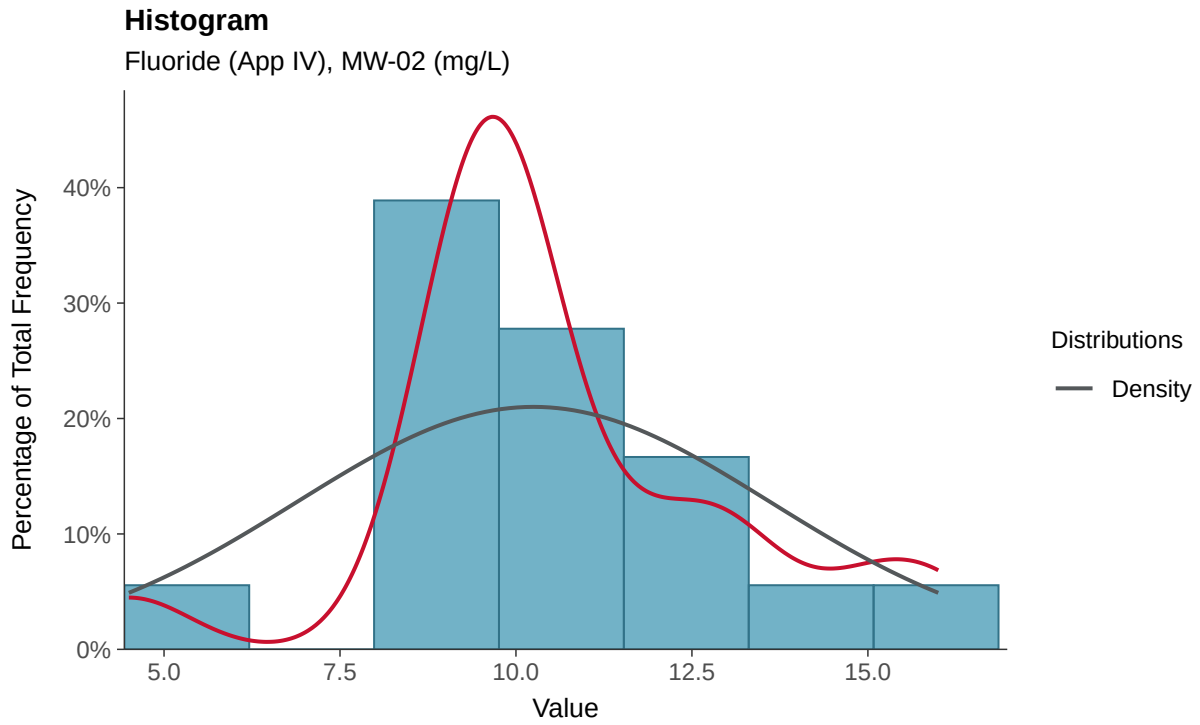
Cobalt, MW-02 (mg/L)



Appendix IV: Fluoride (App IV), MW-02

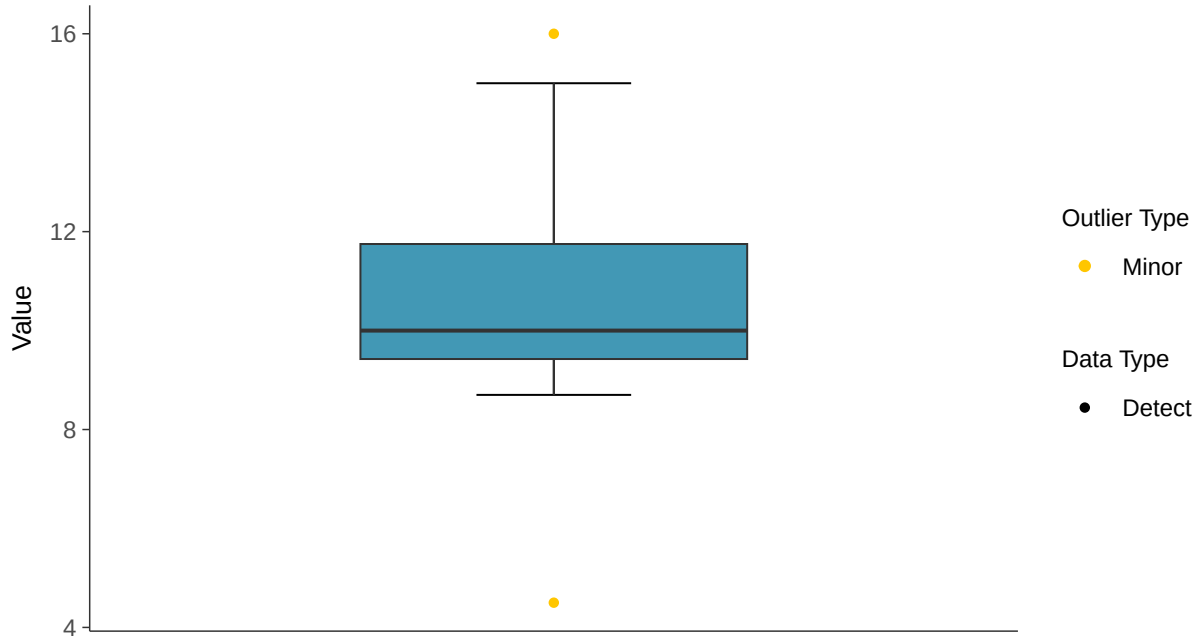
ID: 12_2_4_113





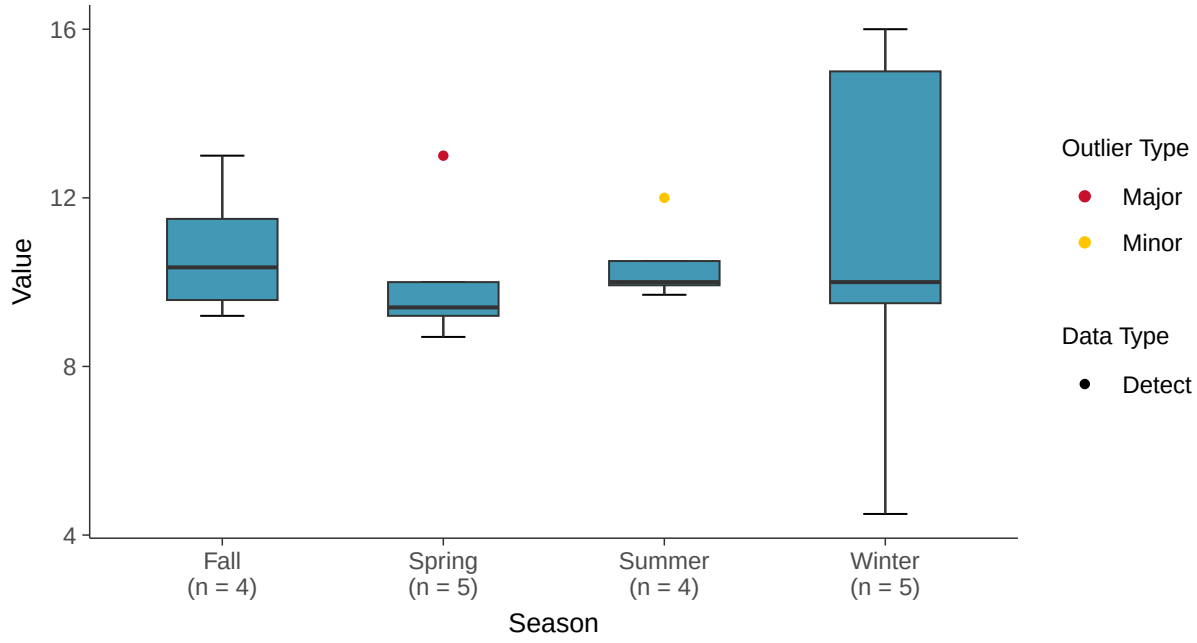
Boxplot

Fluoride (App IV), MW-02 (mg/L)



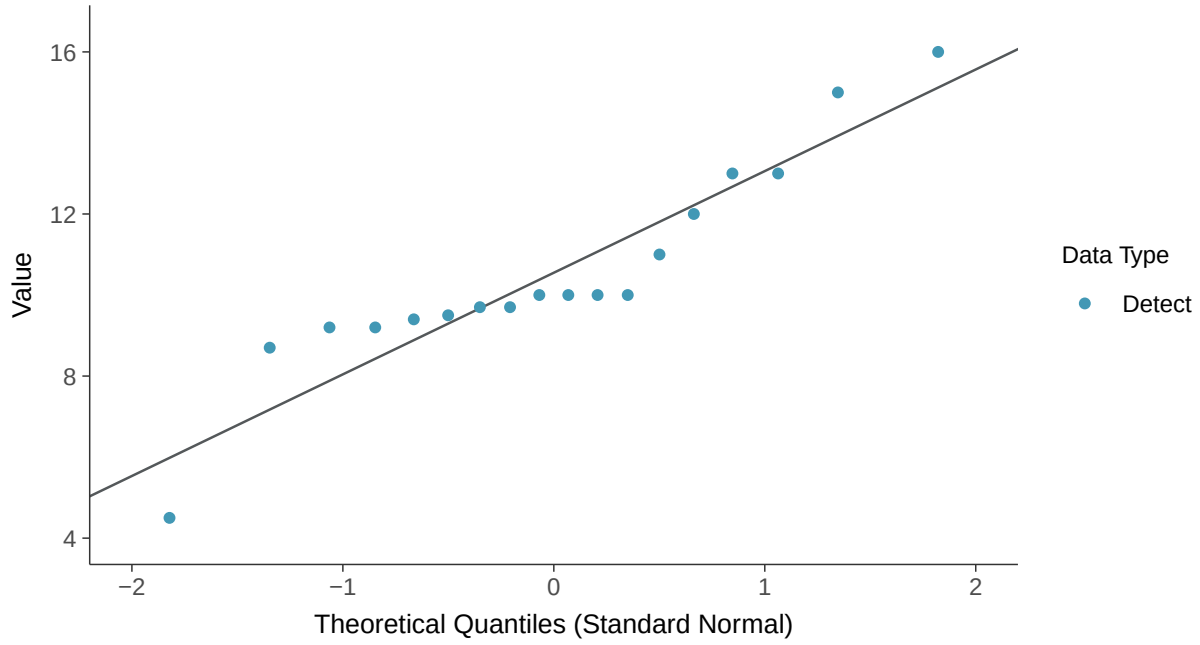
Boxplot by Season

Fluoride (App IV), MW-02 (mg/L)



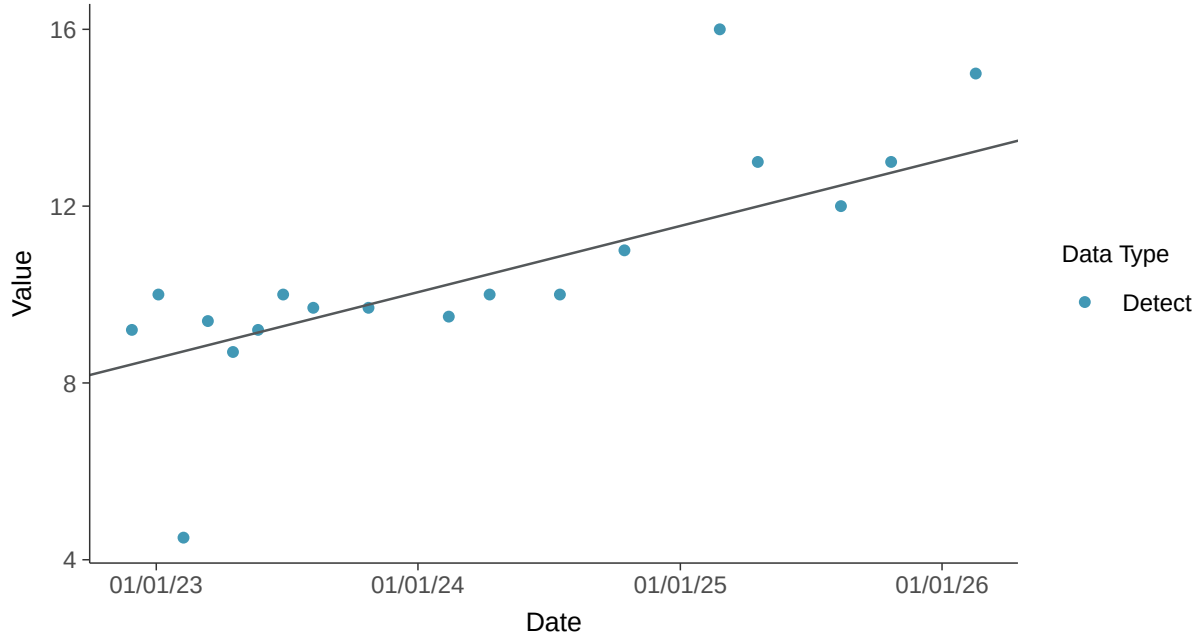
Normal Q-Q plot

Fluoride (App IV), MW-02 (mg/L)



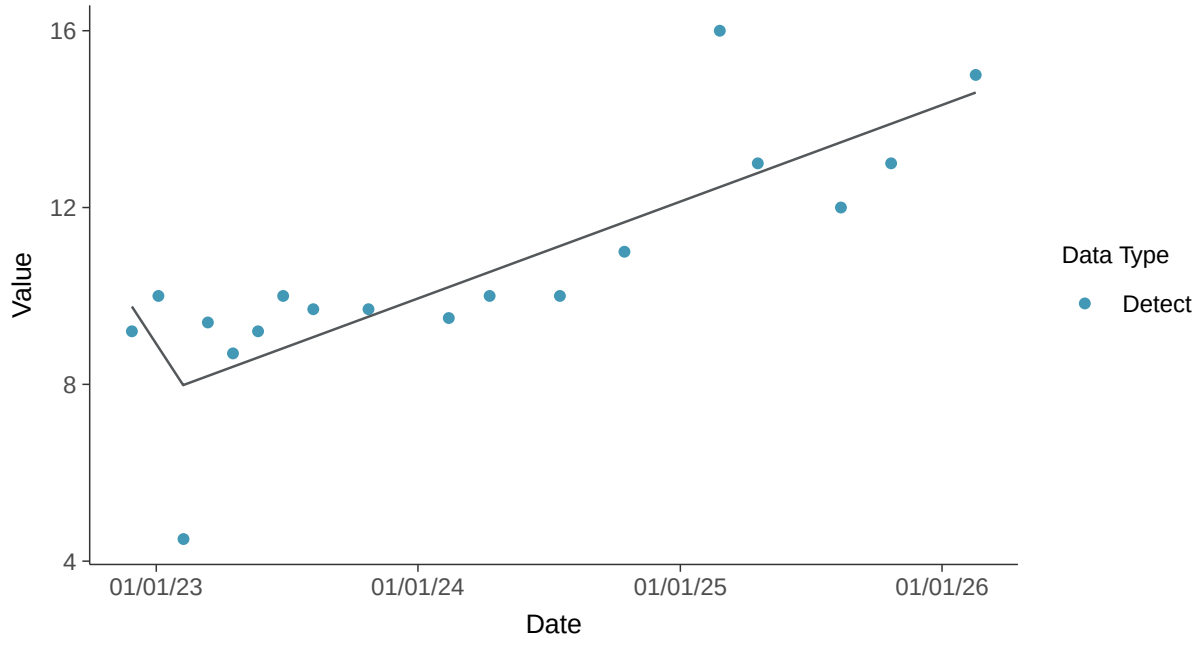
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride (App IV), MW-02 (mg/L)



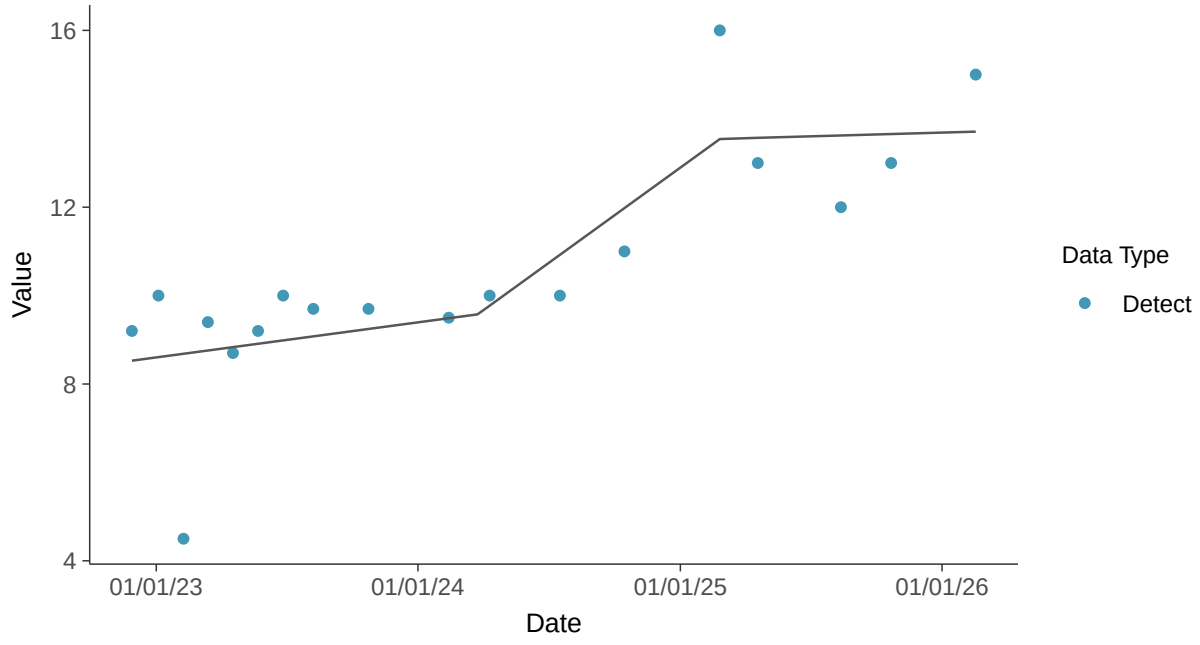
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-02 (mg/L)



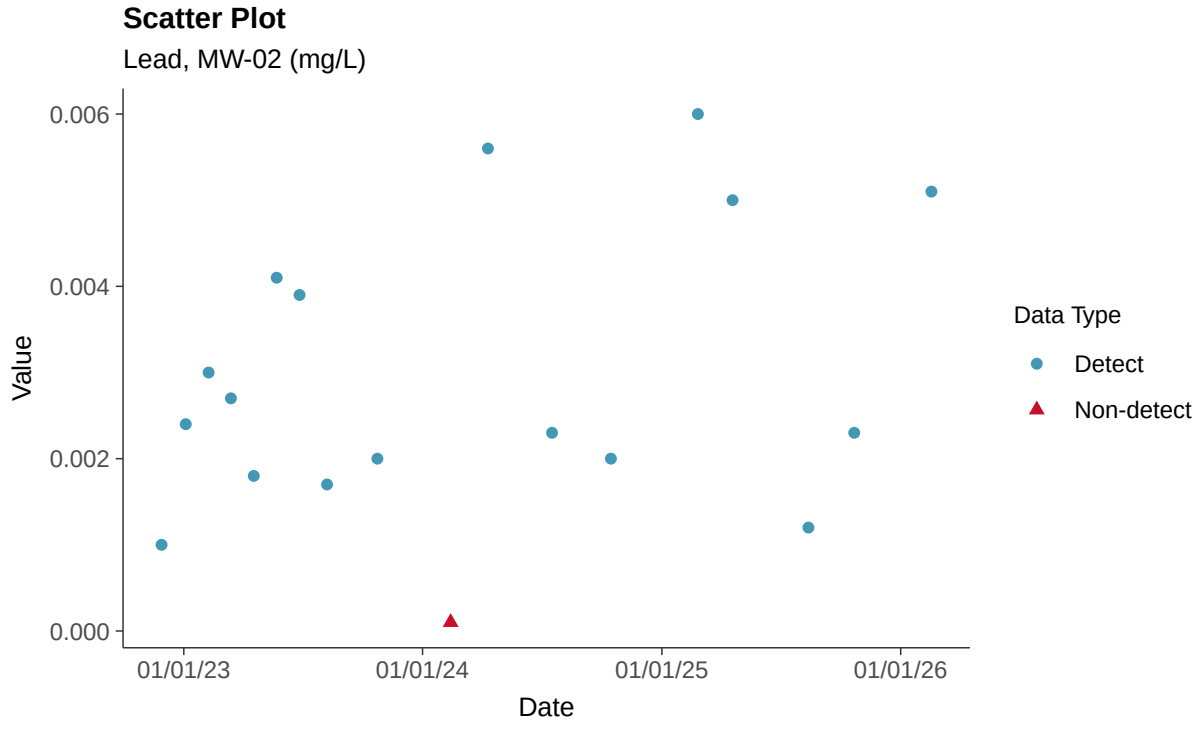
Trend Regression: Piecewise Linear-Linear-Linear

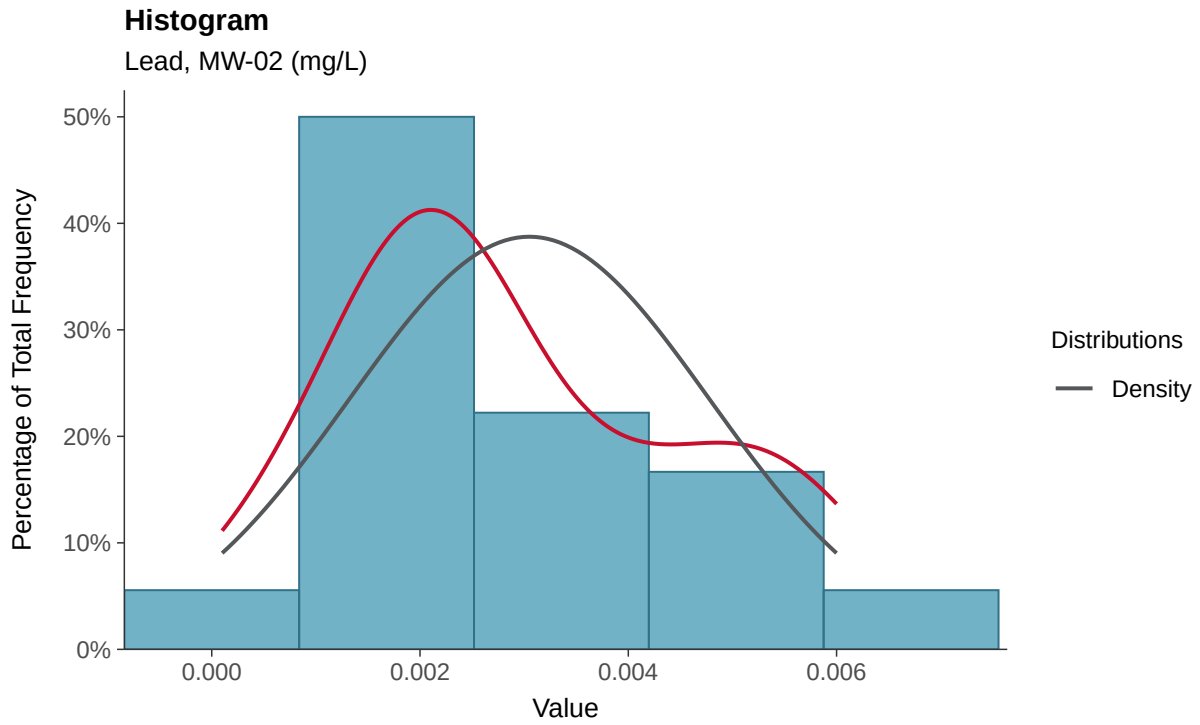
Fluoride (App IV), MW-02 (mg/L)



Appendix IV: Lead, MW-02

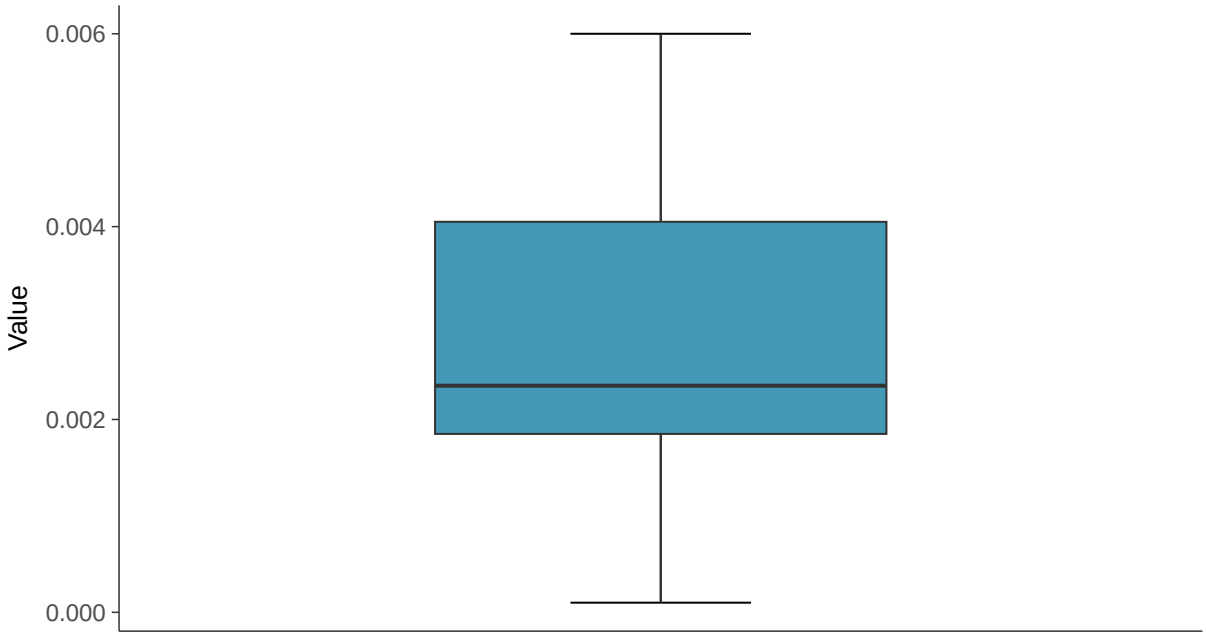
ID: 12_2_4_115





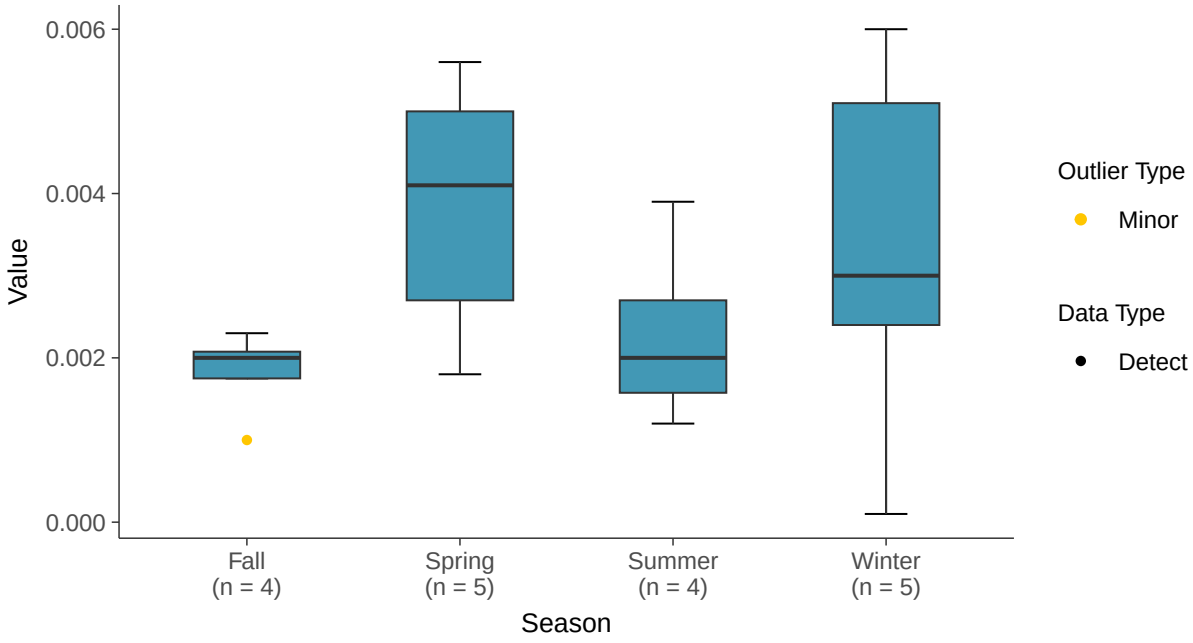
Boxplot

Lead, MW-02 (mg/L)



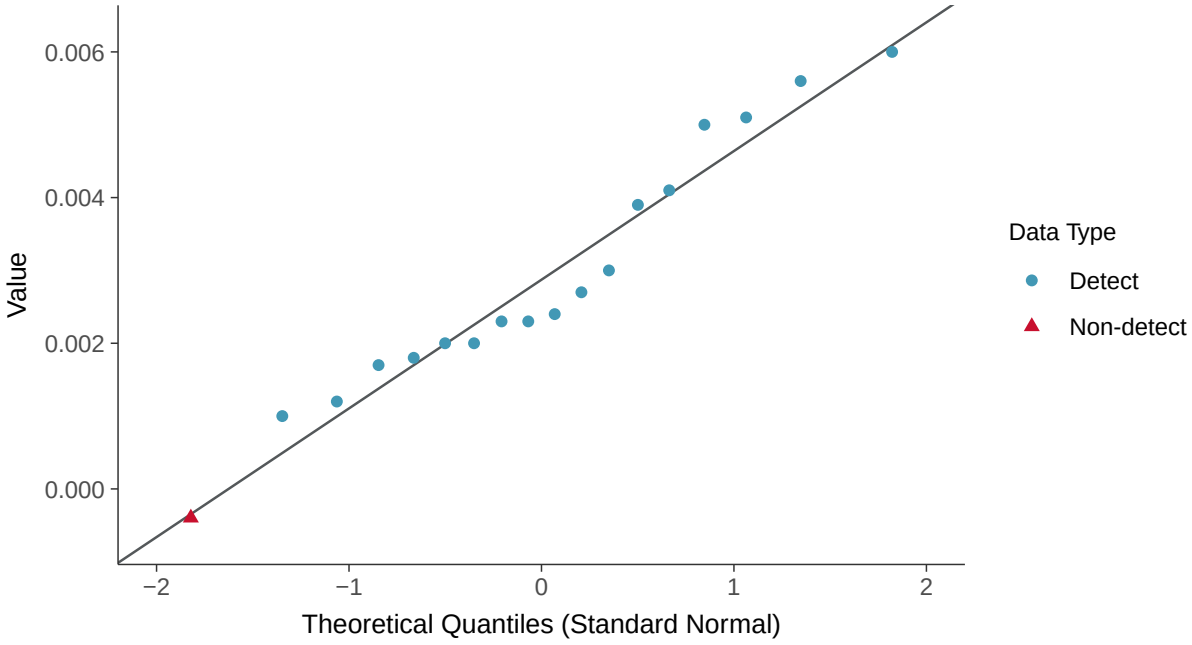
Boxplot by Season

Lead, MW-02 (mg/L)



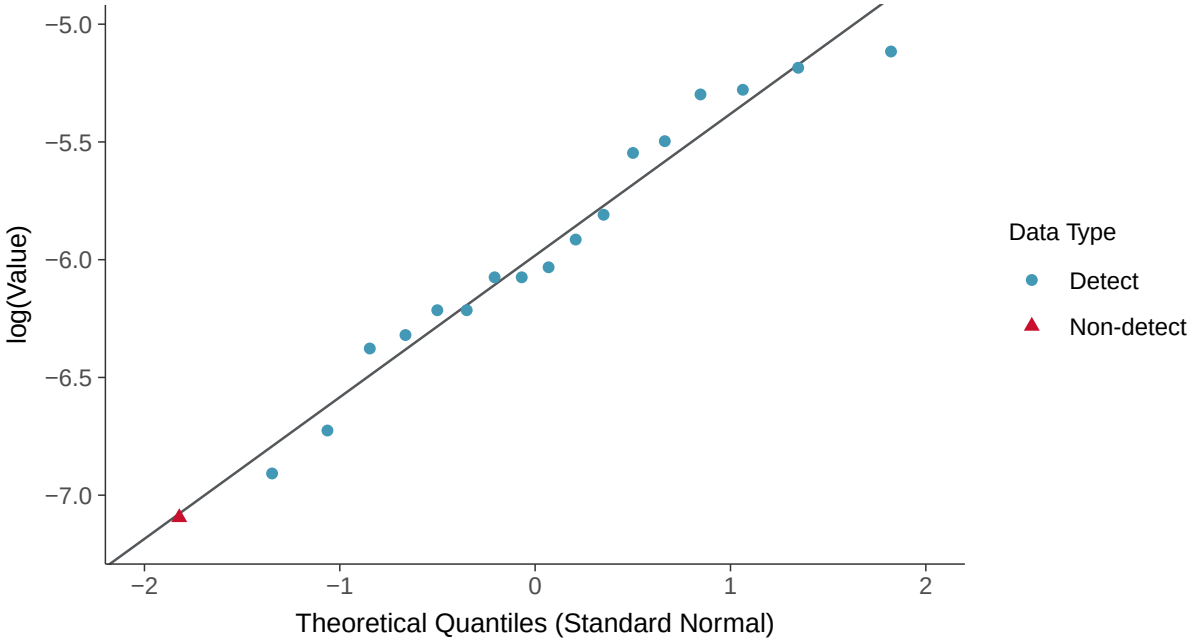
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-02 (mg/L)



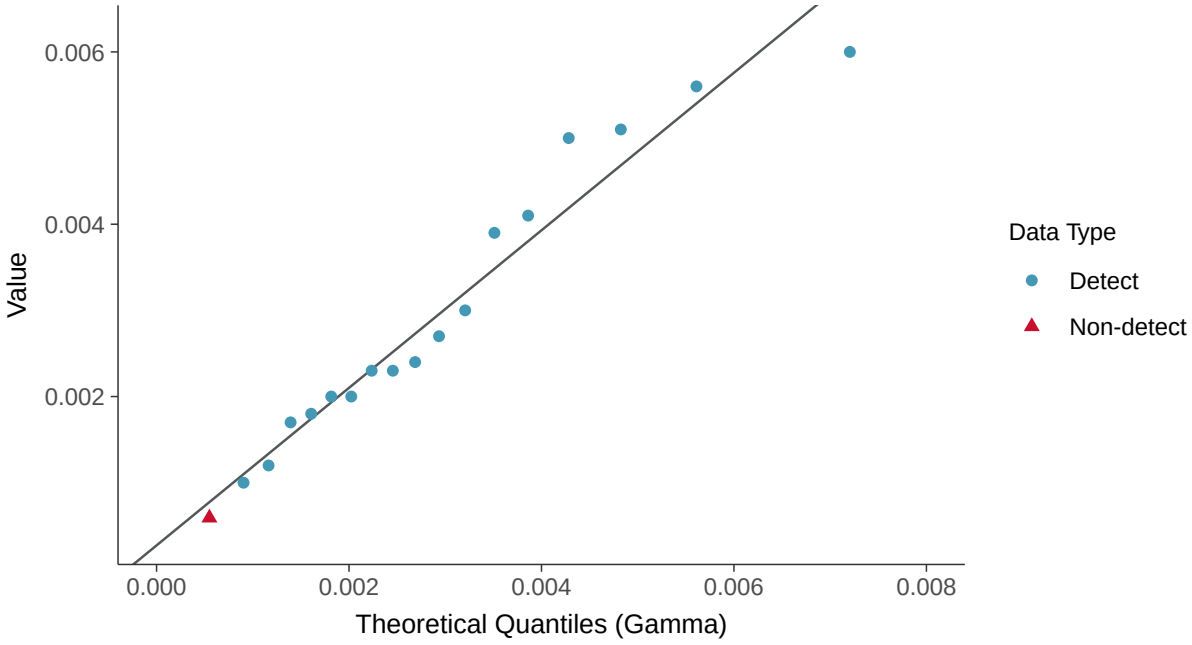
Lognormal Q-Q plot using ROS Imputed Estimates

Lead, MW-02 (mg/L)



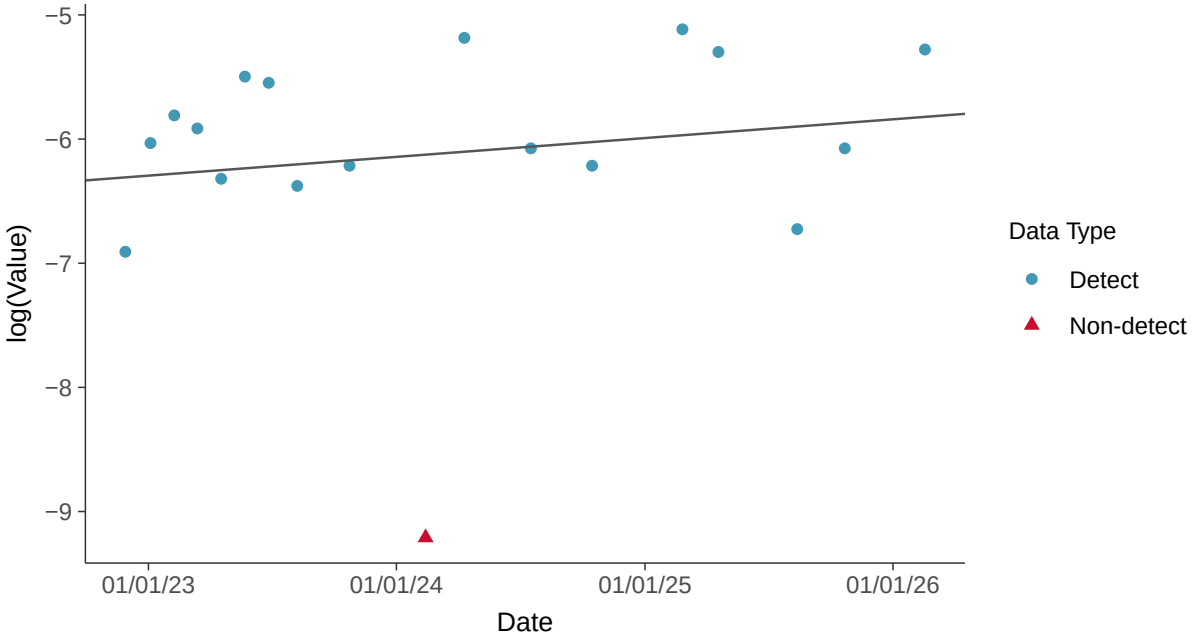
Gamma Q-Q plot using ROS Imputed Estimates

Lead, MW-02 (mg/L)



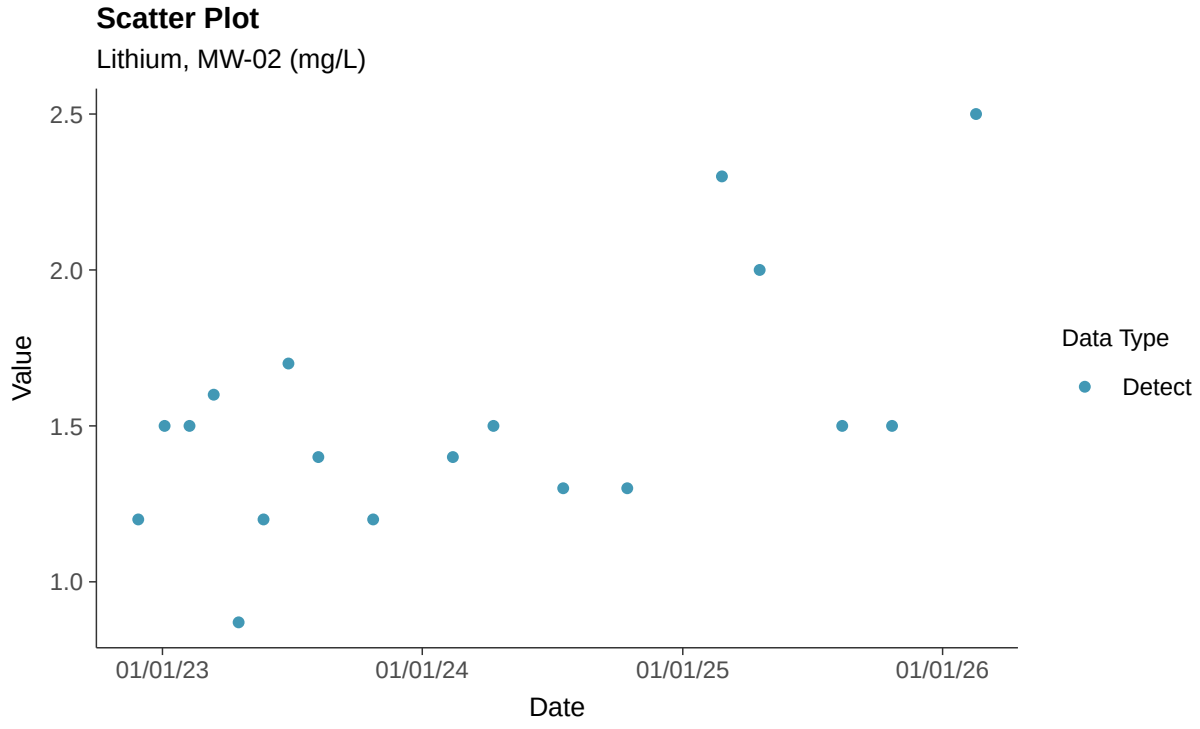
Trend Regression: Lognormal MLE

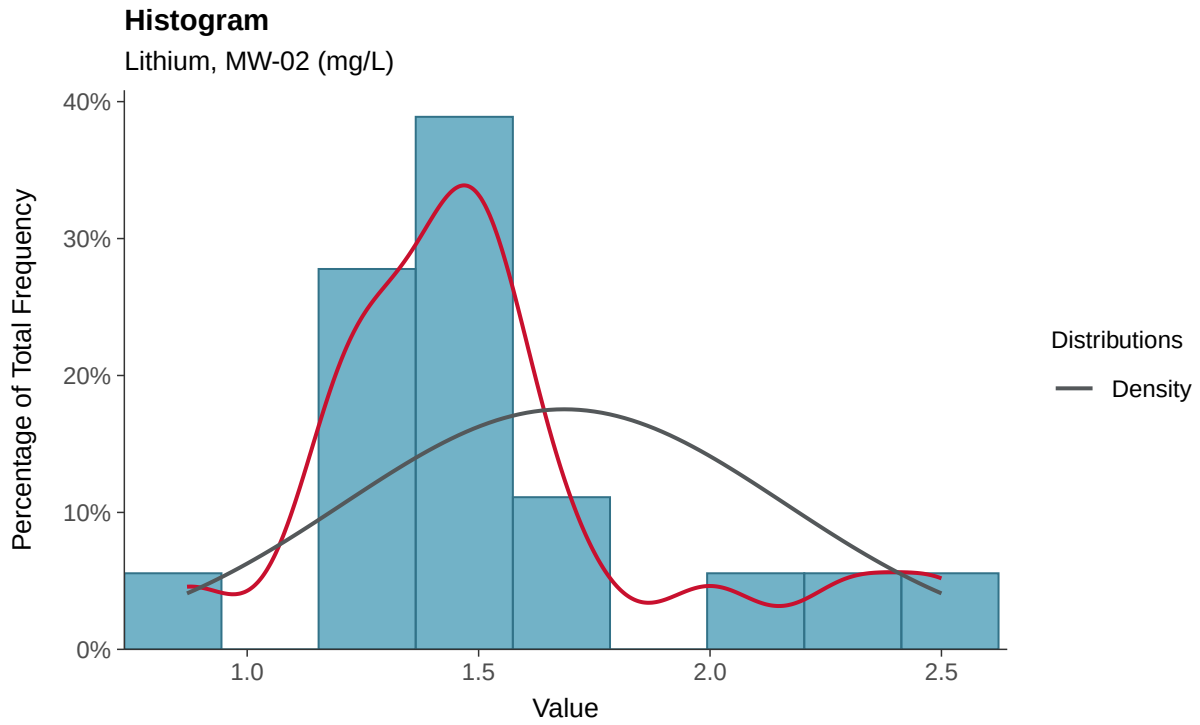
Lead, MW-02 (mg/L)



Appendix IV: Lithium, MW-02

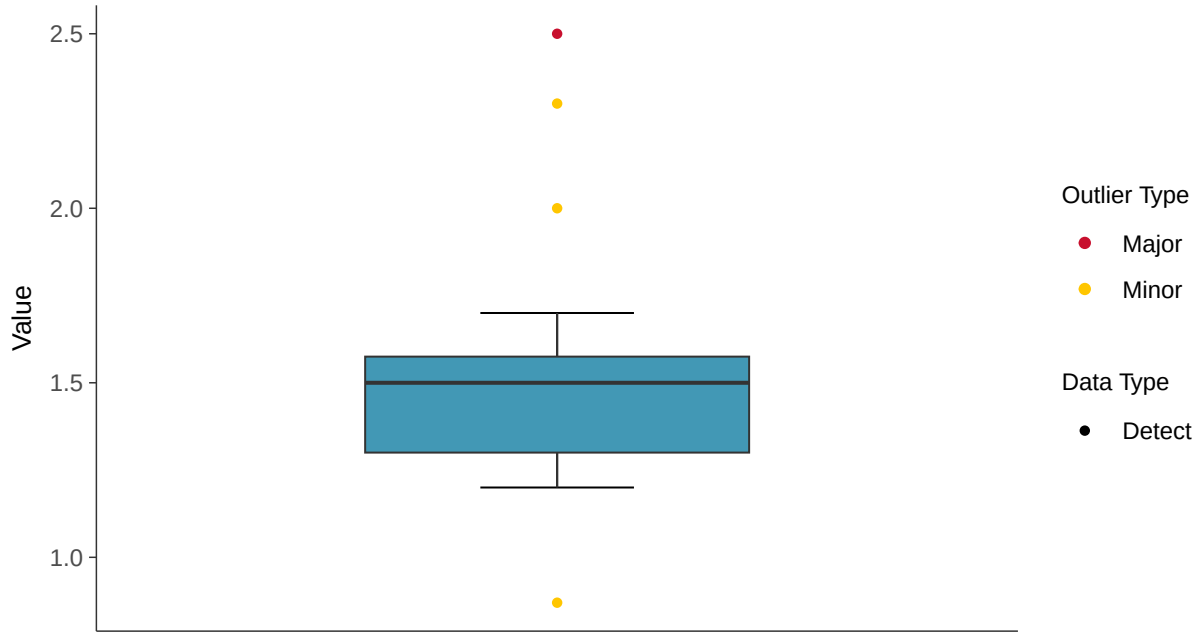
ID: 12_2_4_116





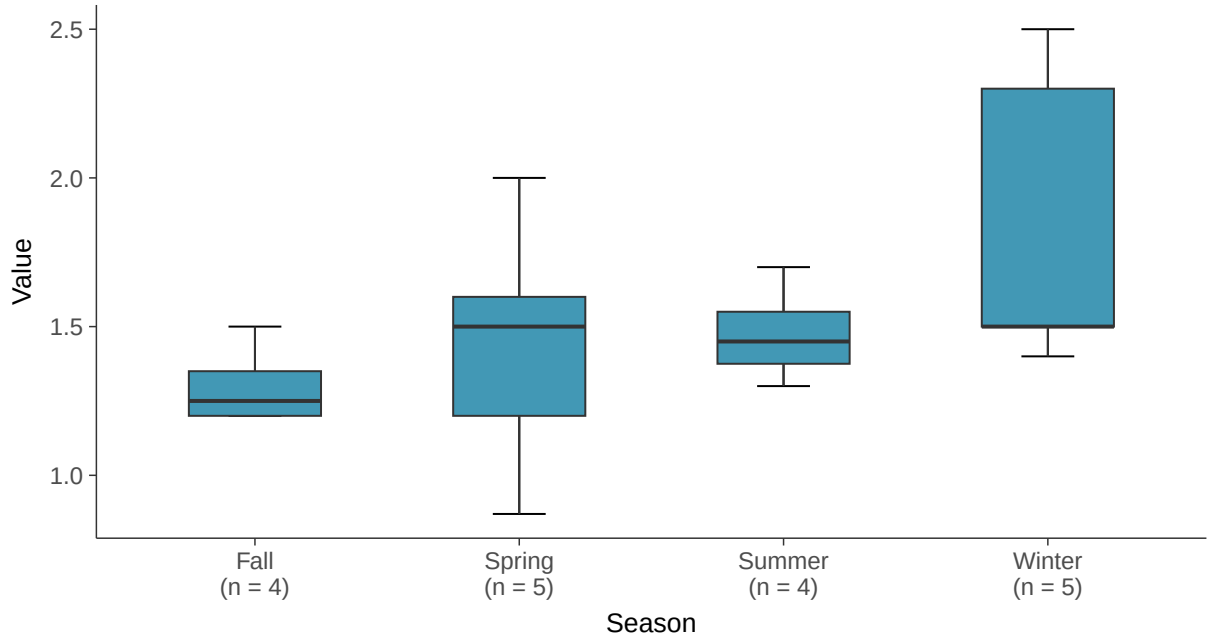
Boxplot

Lithium, MW-02 (mg/L)



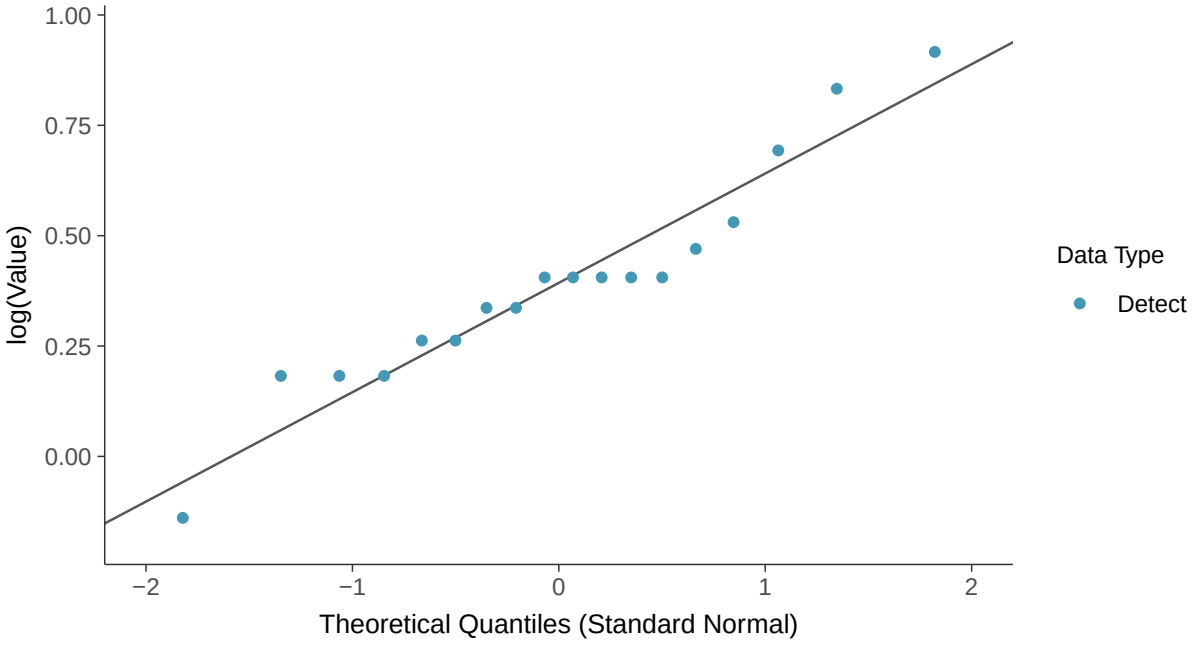
Boxplot by Season

Lithium, MW-02 (mg/L)



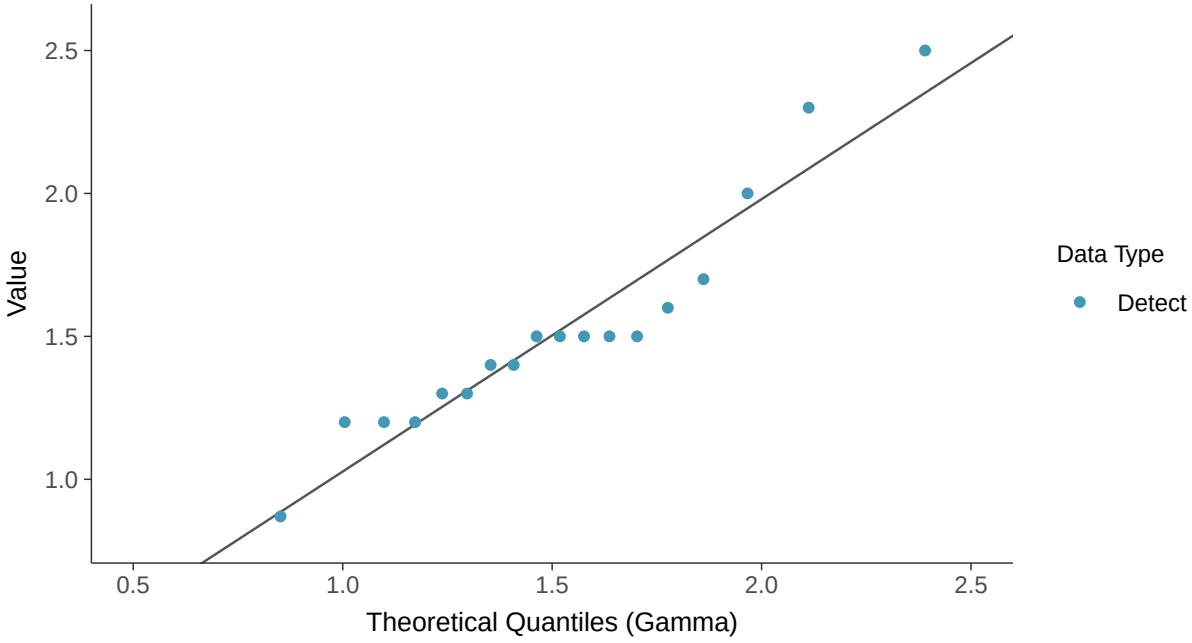
Lognormal Q-Q plot

Lithium, MW-02 (mg/L)



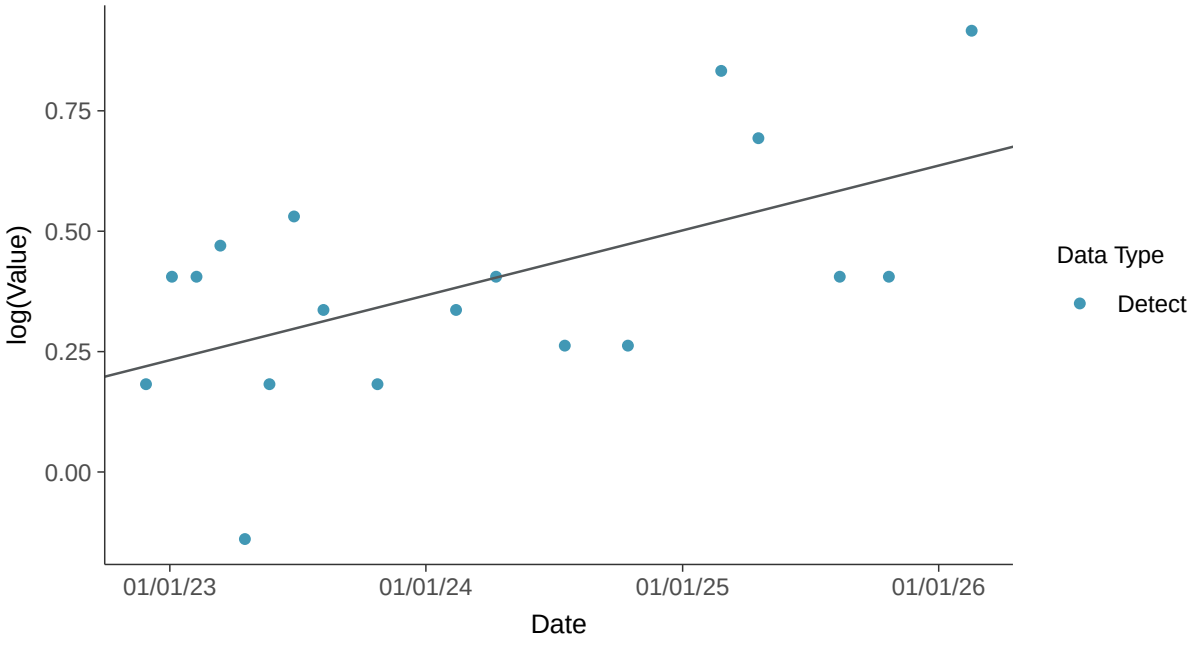
Gamma Q-Q plot

Lithium, MW-02 (mg/L)



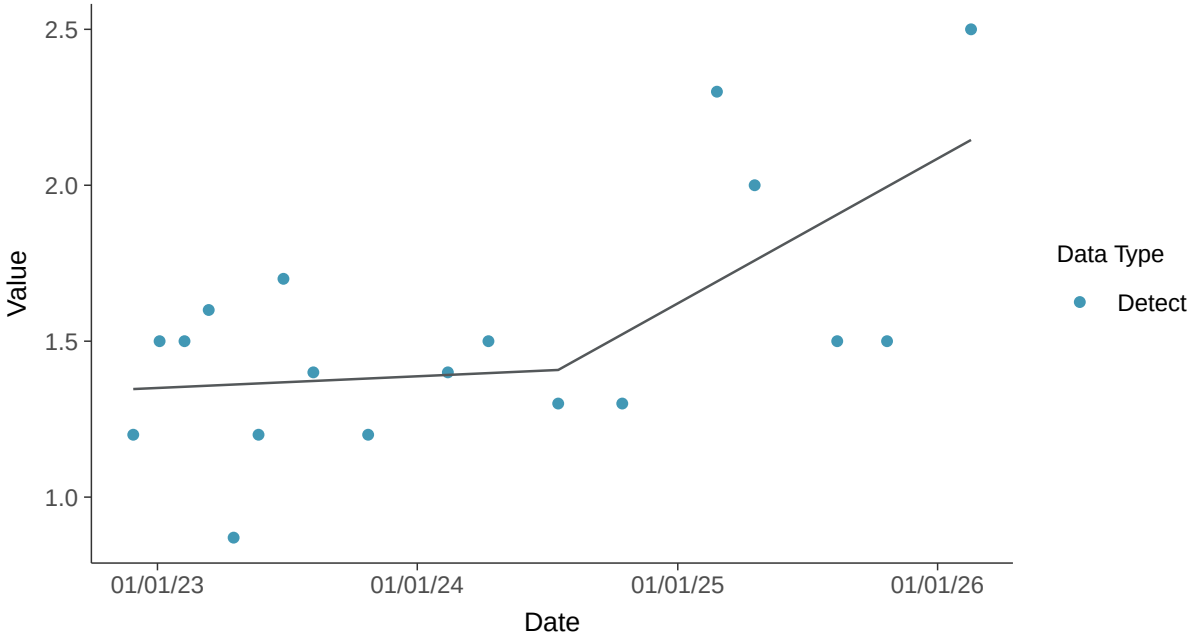
Trend Regression: Lognormal MLE

Lithium, MW-02 (mg/L)



Trend Regression: Piecewise Linear-Linear

Lithium, MW-02 (mg/L)

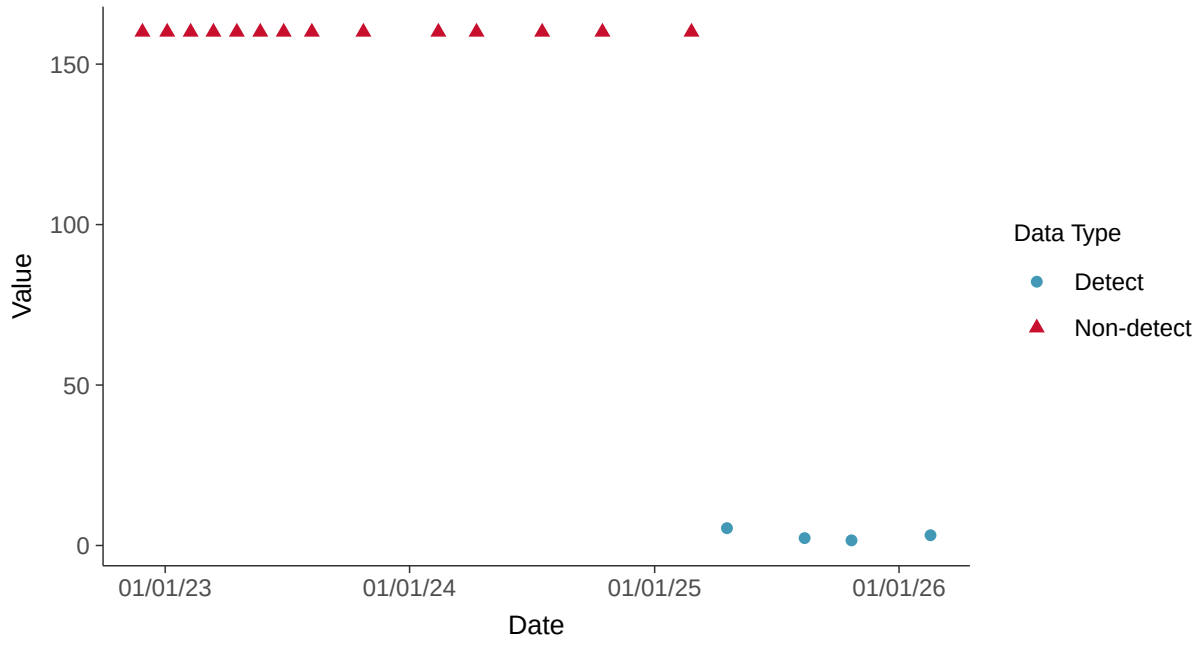


Appendix IV: Mercury, MW-02

ID: 12_2_4_117

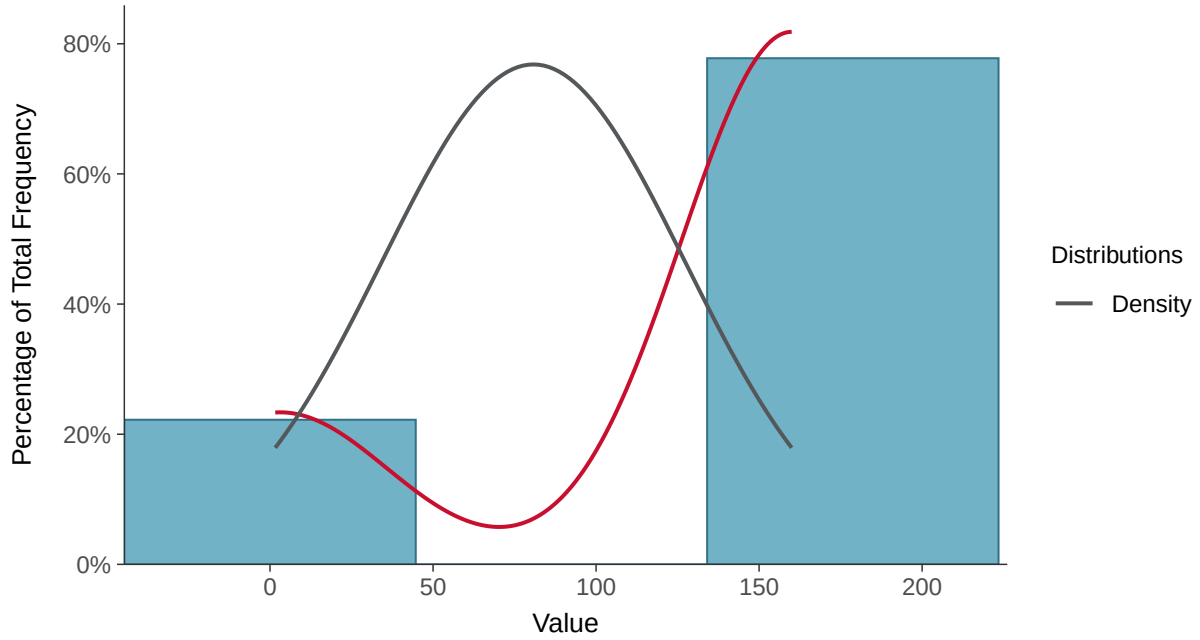
Scatter Plot

Mercury, MW-02 (ng/L)



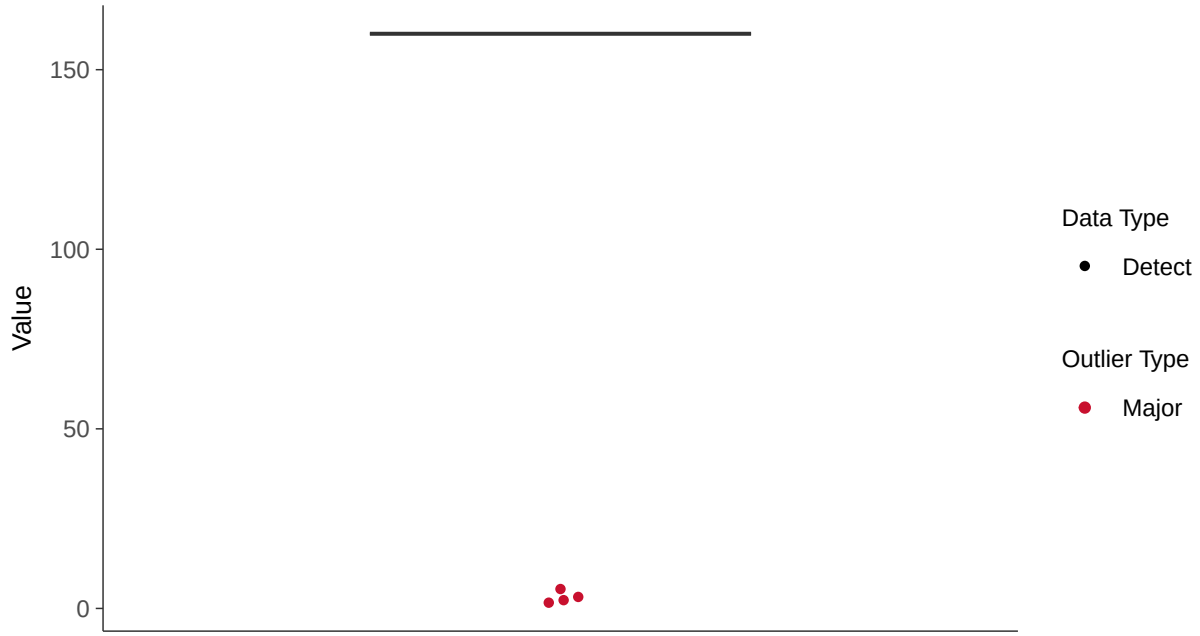
Histogram

Mercury, MW-02 (ng/L)



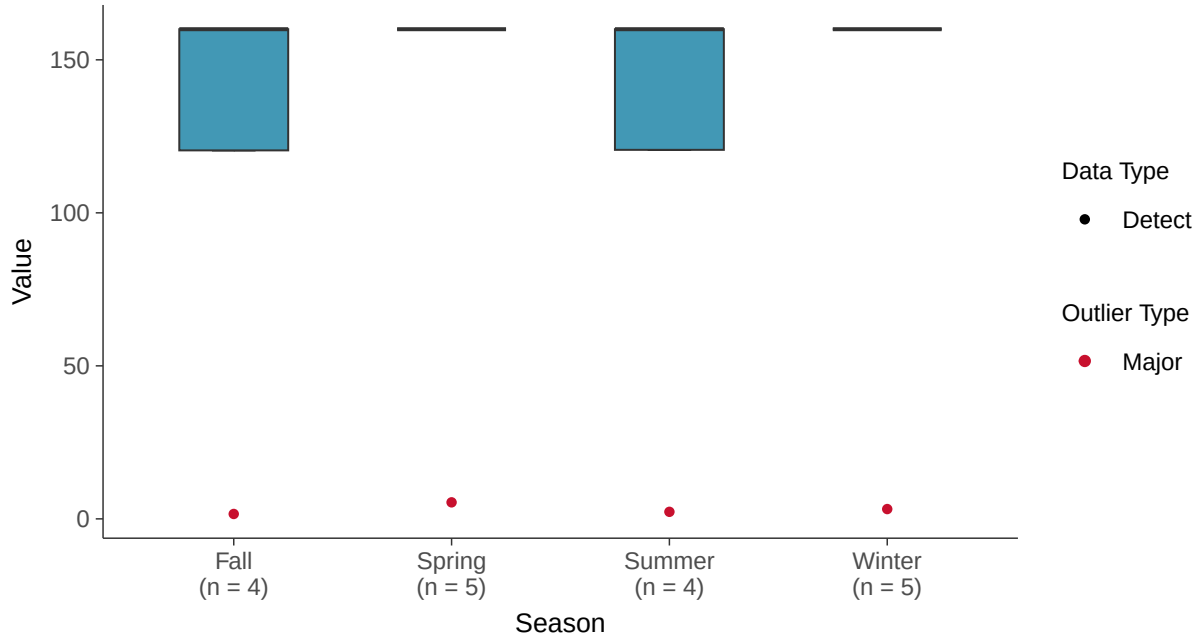
Boxplot

Mercury, MW-02 (ng/L)



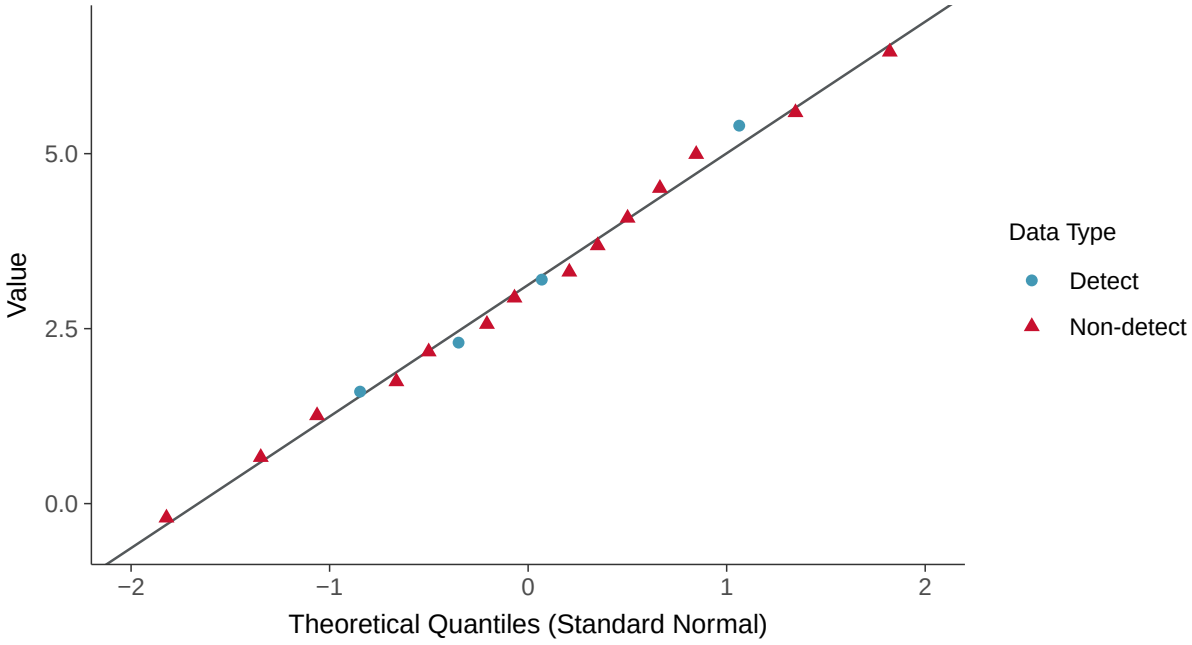
Boxplot by Season

Mercury, MW-02 (ng/L)



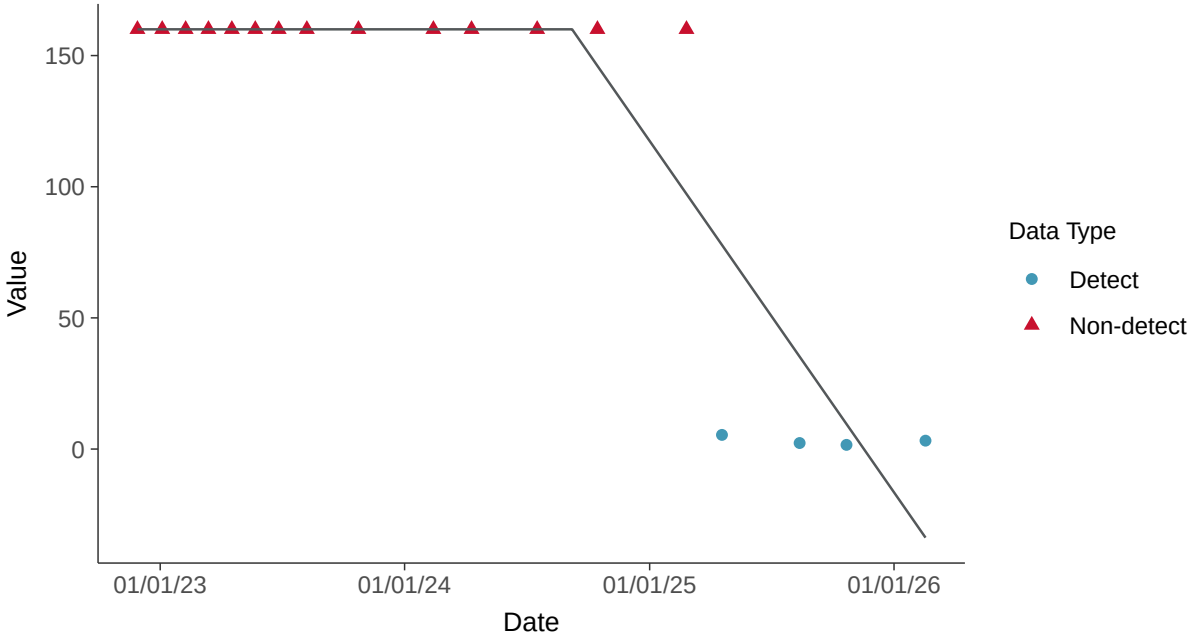
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-02 (ng/L)



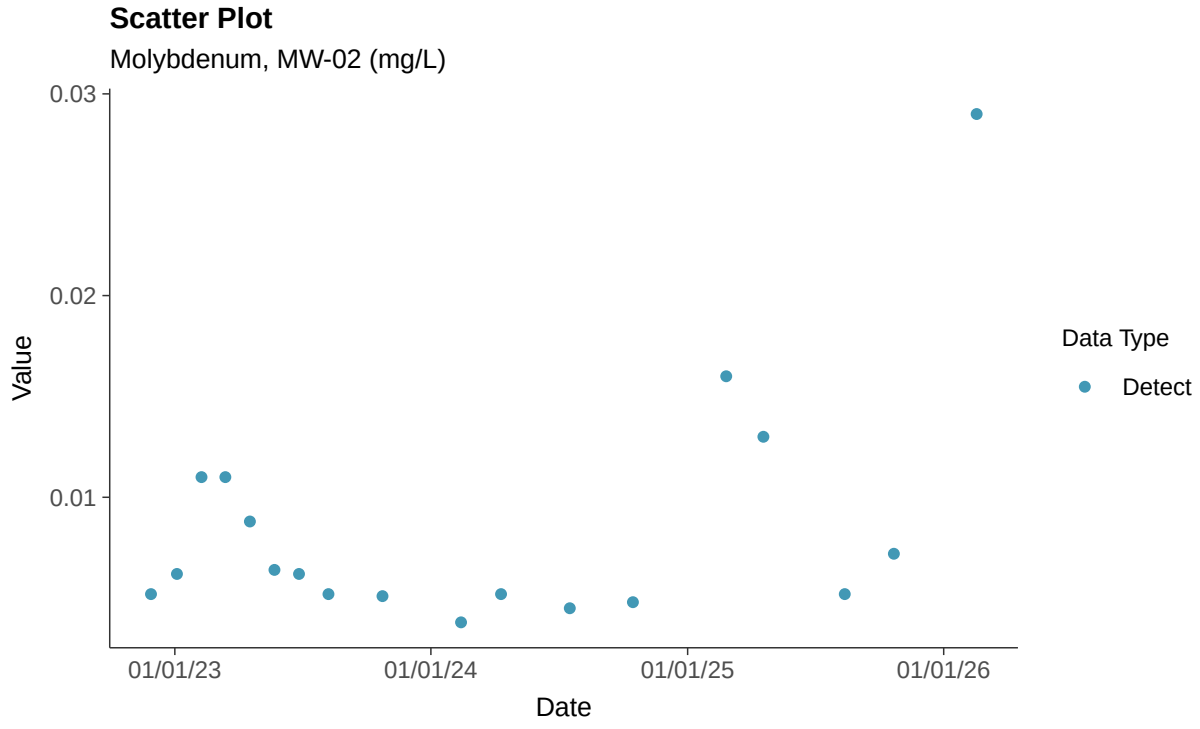
Trend Regression: Piecewise Linear-Linear

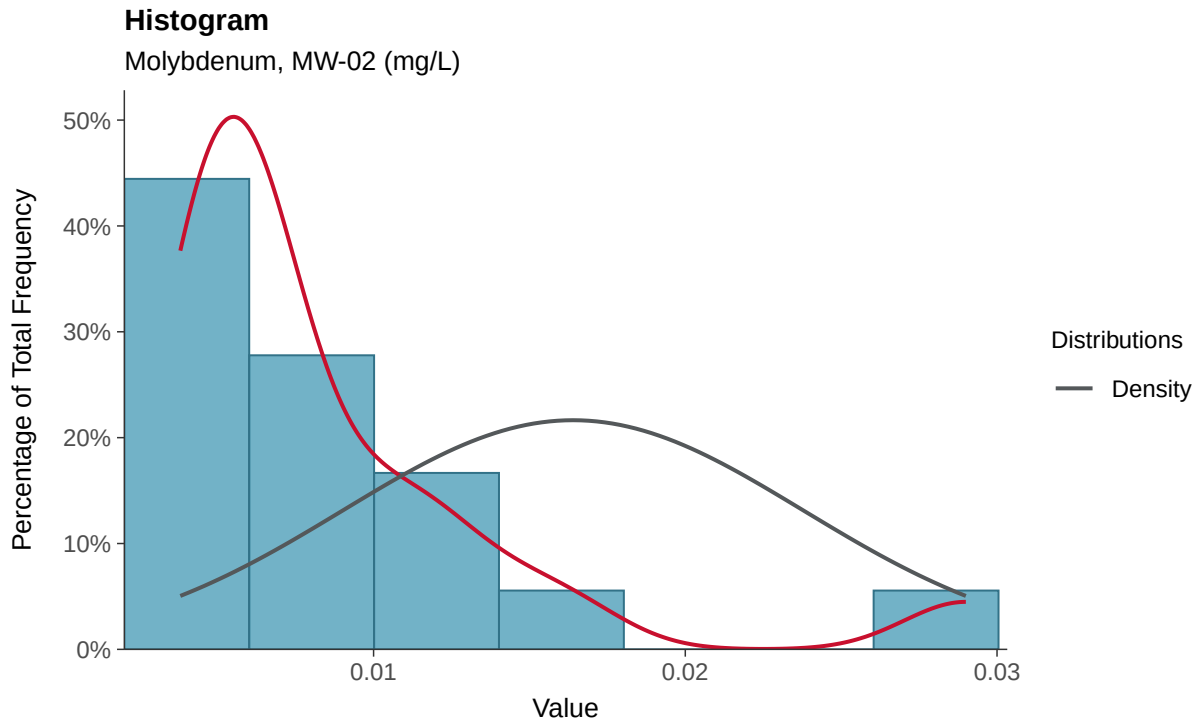
Mercury, MW-02 (ng/L)



Appendix IV: Molybdenum, MW-02

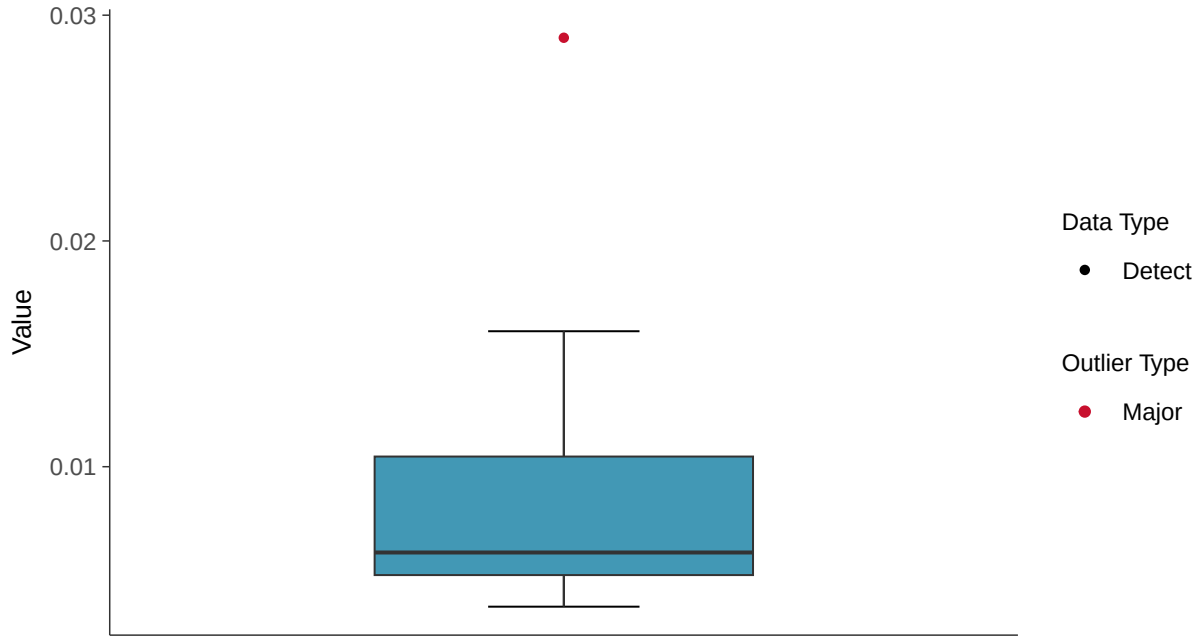
ID: 12_2_4_118





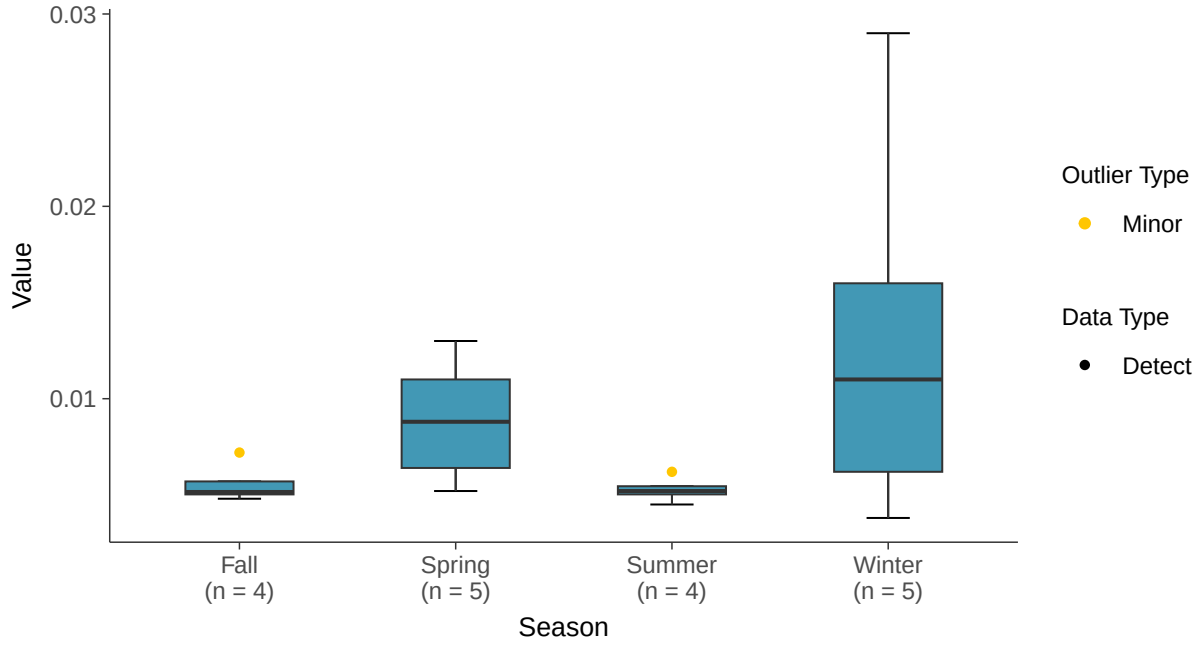
Boxplot

Molybdenum, MW-02 (mg/L)



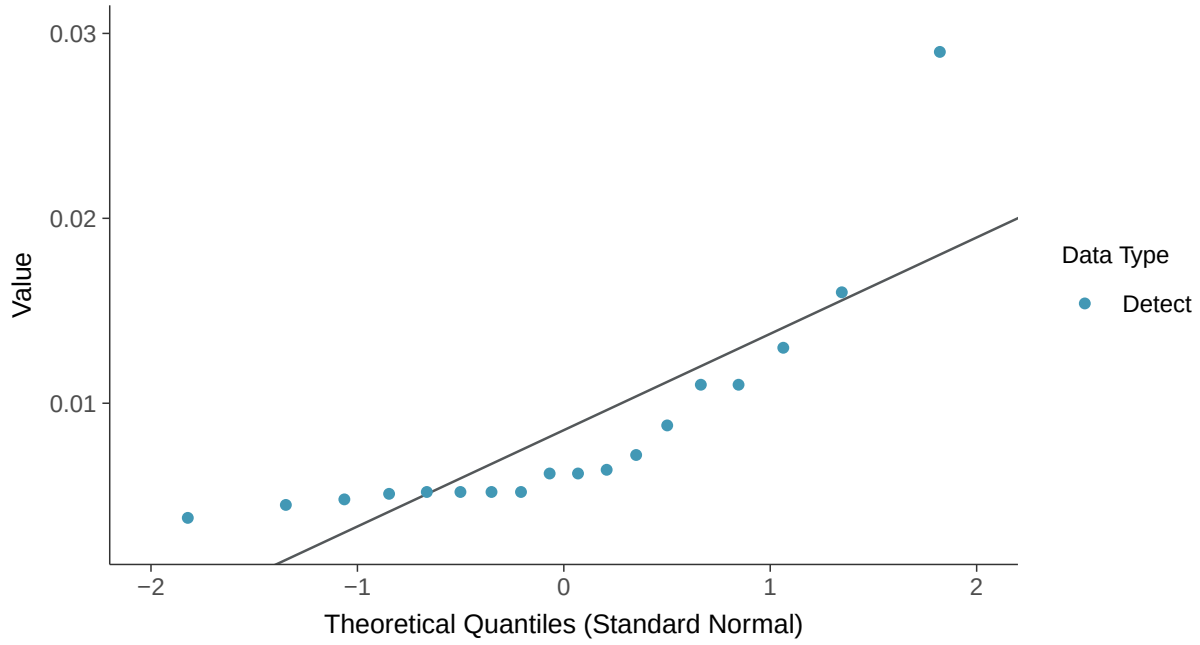
Boxplot by Season

Molybdenum, MW-02 (mg/L)



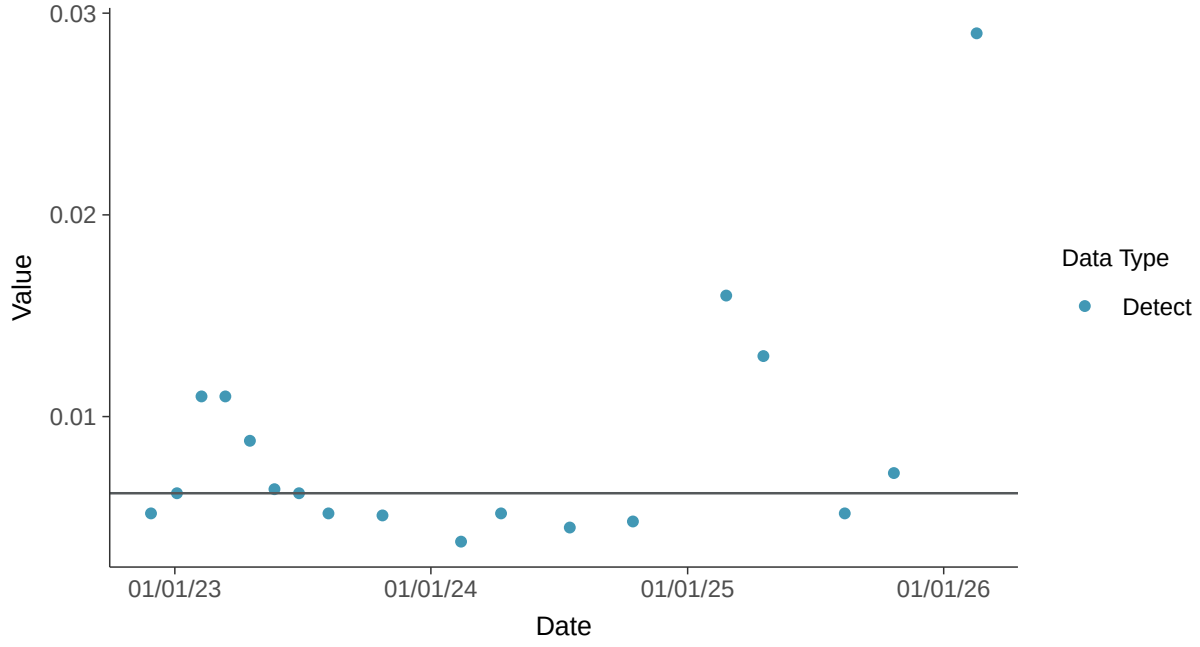
Normal Q-Q plot

Molybdenum, MW-02 (mg/L)



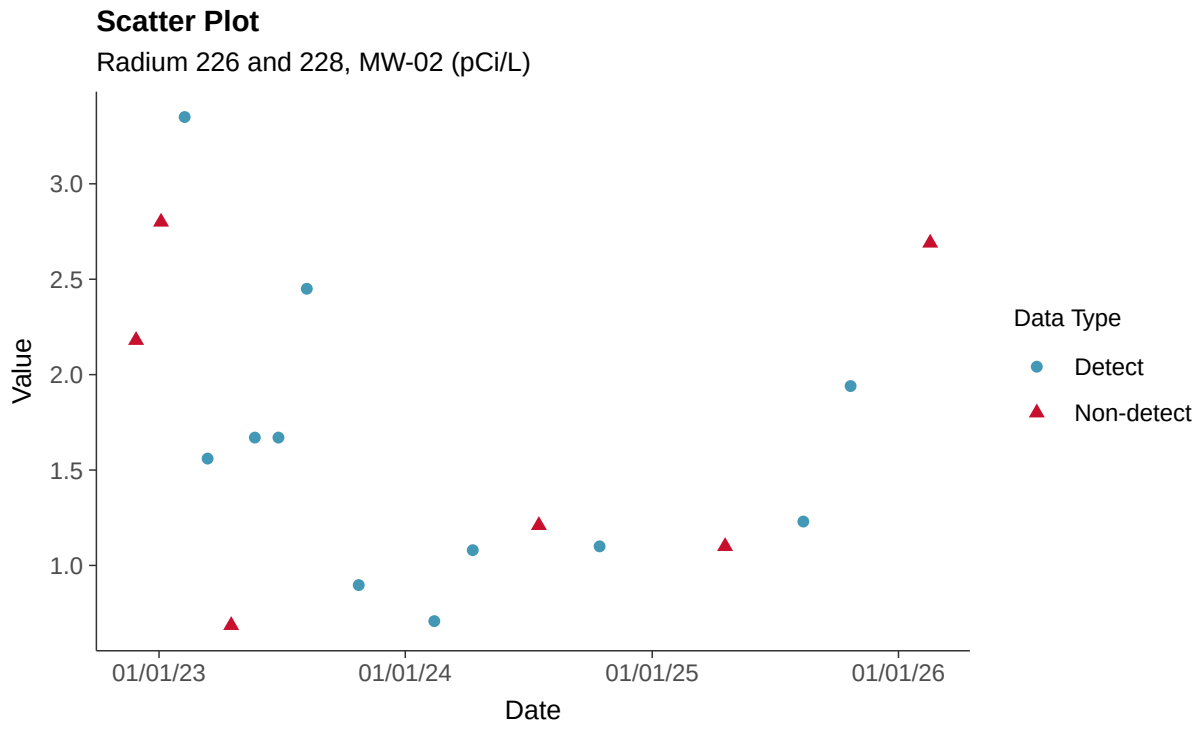
Trend Regression: Mann-Kendall/Theil-Sen Estimate

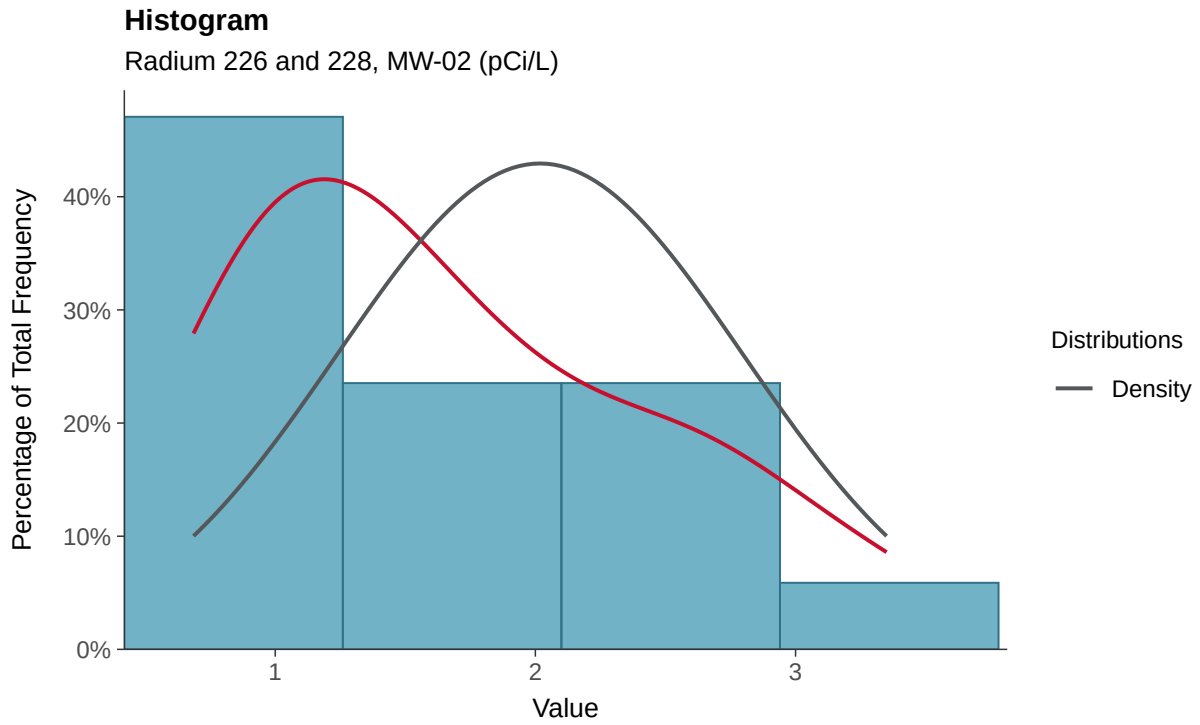
Molybdenum, MW-02 (mg/L)



Appendix IV: Radium 226 and 228, MW-02

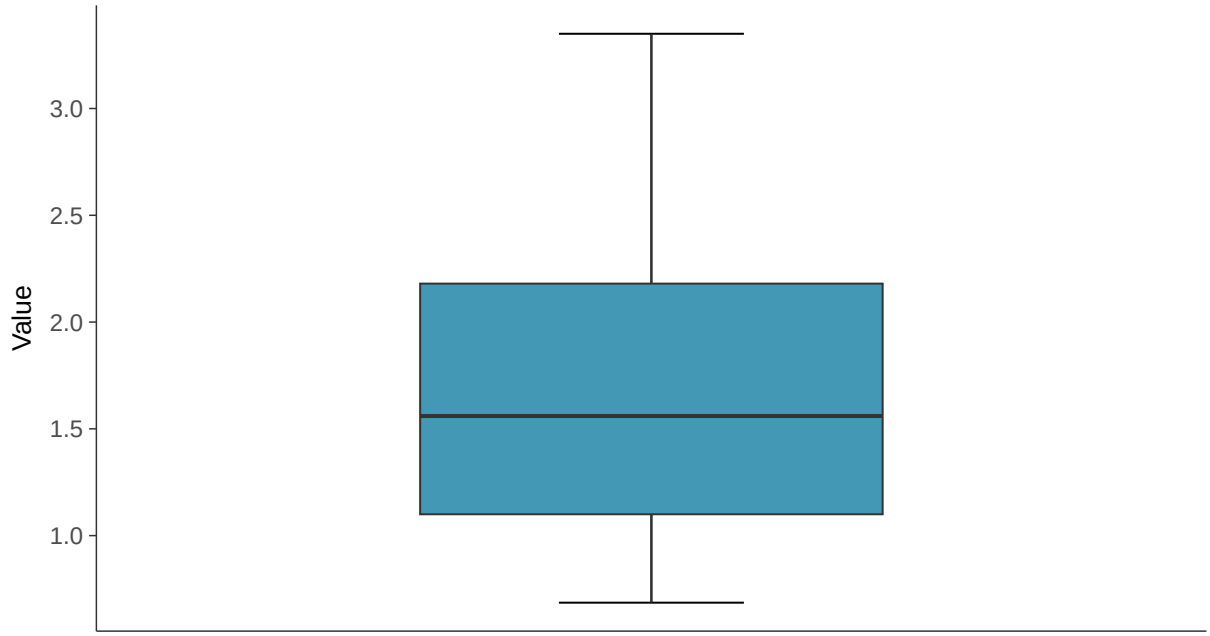
ID: 12_2_4_121





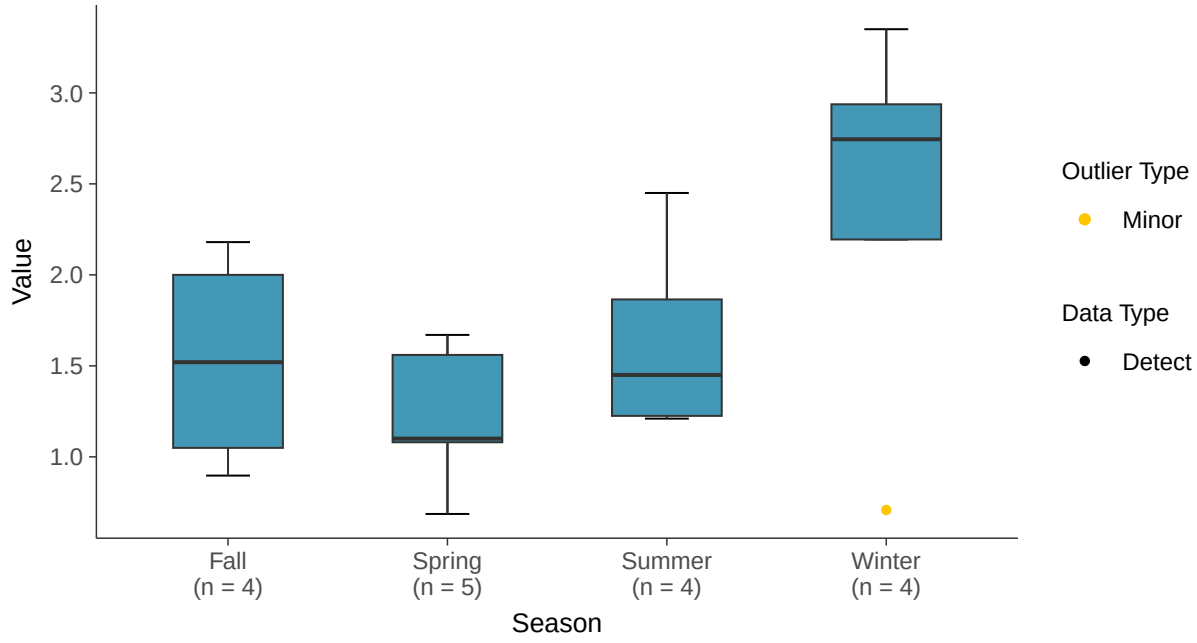
Boxplot

Radium 226 and 228, MW-02 (pCi/L)



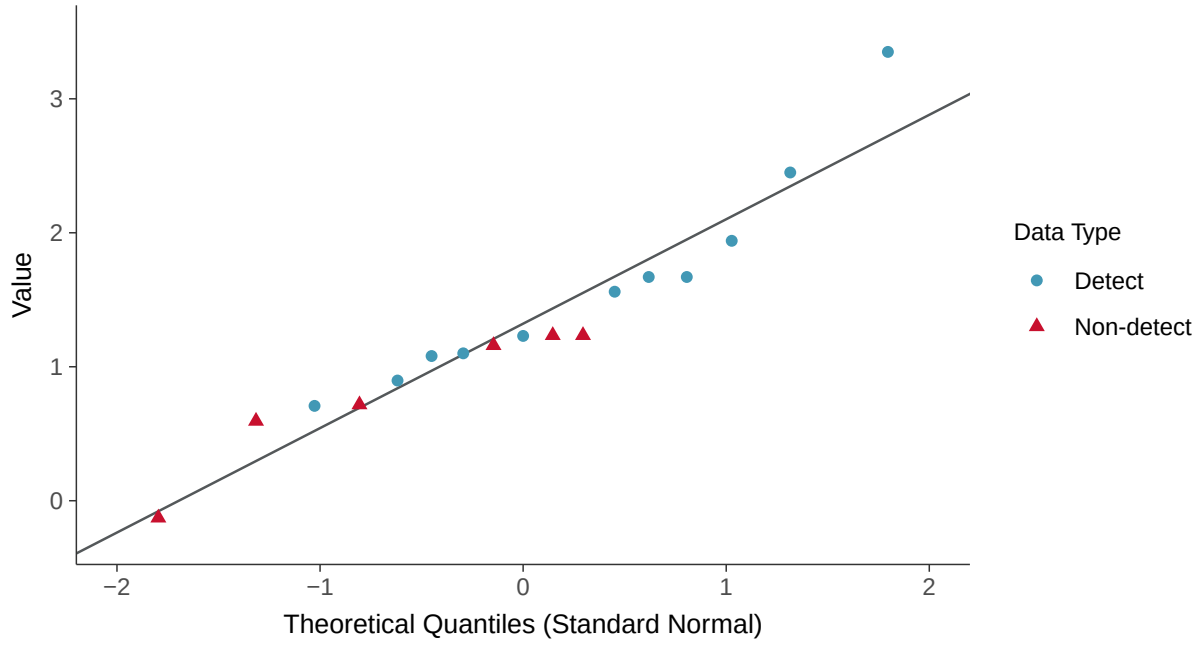
Boxplot by Season

Radium 226 and 228, MW-02 (pCi/L)



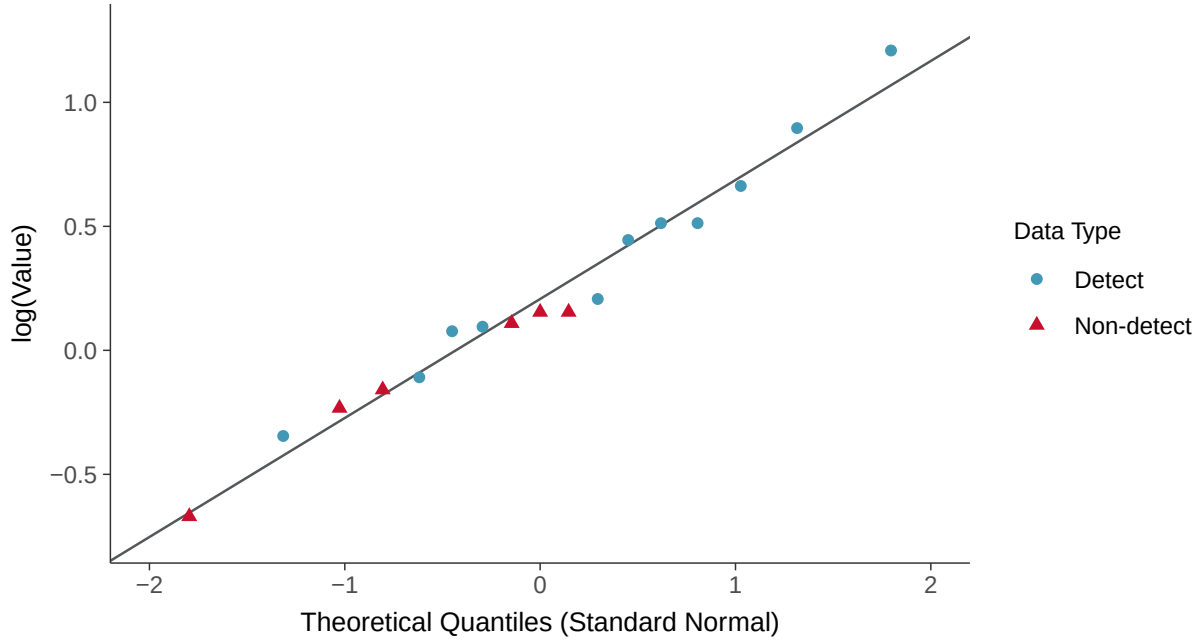
Normal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-02 (pCi/L)



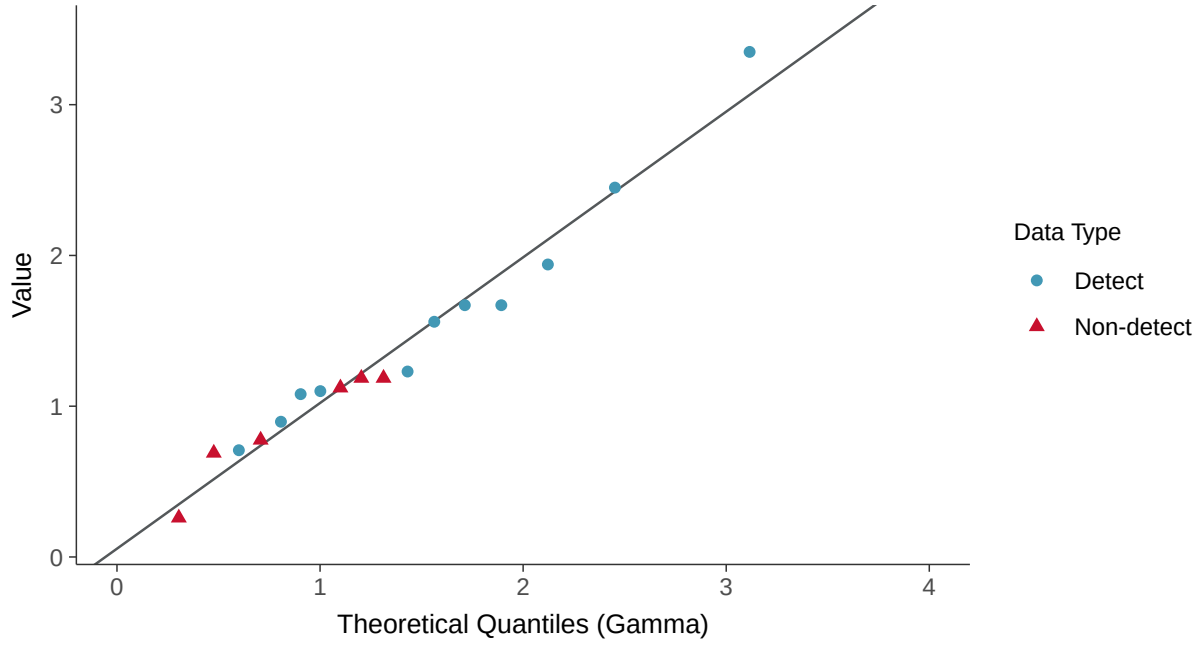
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-02 (pCi/L)



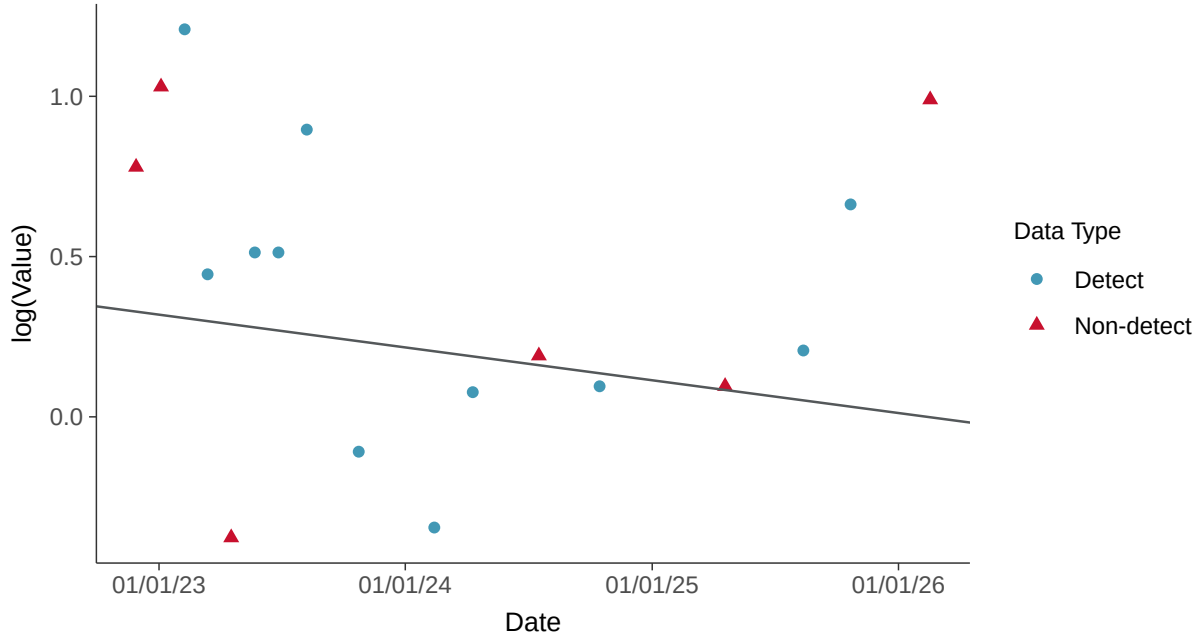
Gamma Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-02 (pCi/L)



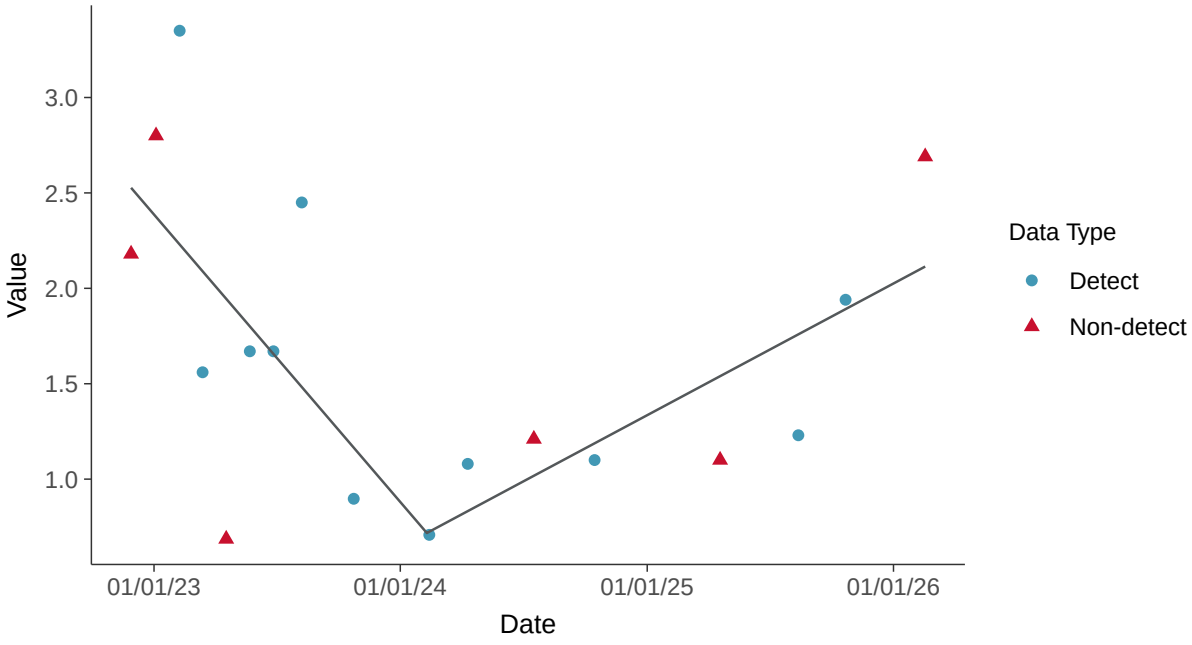
Trend Regression: Lognormal MLE

Radium 226 and 228, MW-02 (pCi/L)



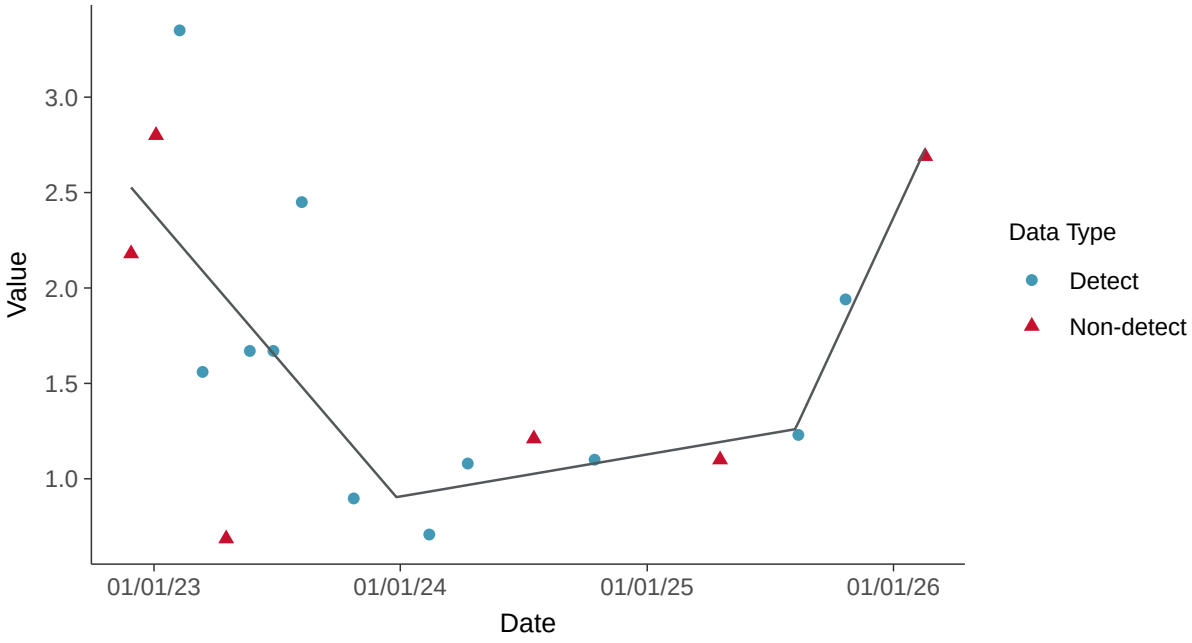
Trend Regression: Piecewise Linear-Linear

Radium 226 and 228, MW-02 (pCi/L)



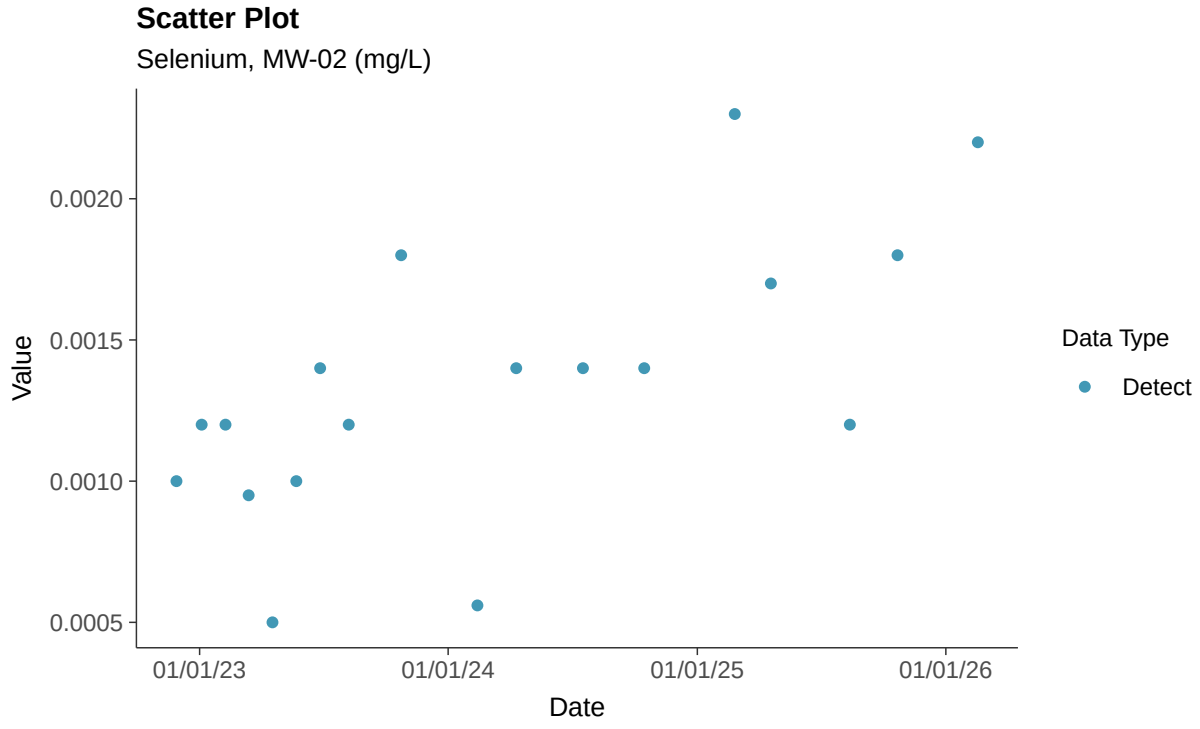
Trend Regression: Piecewise Linear-Linear-Linear

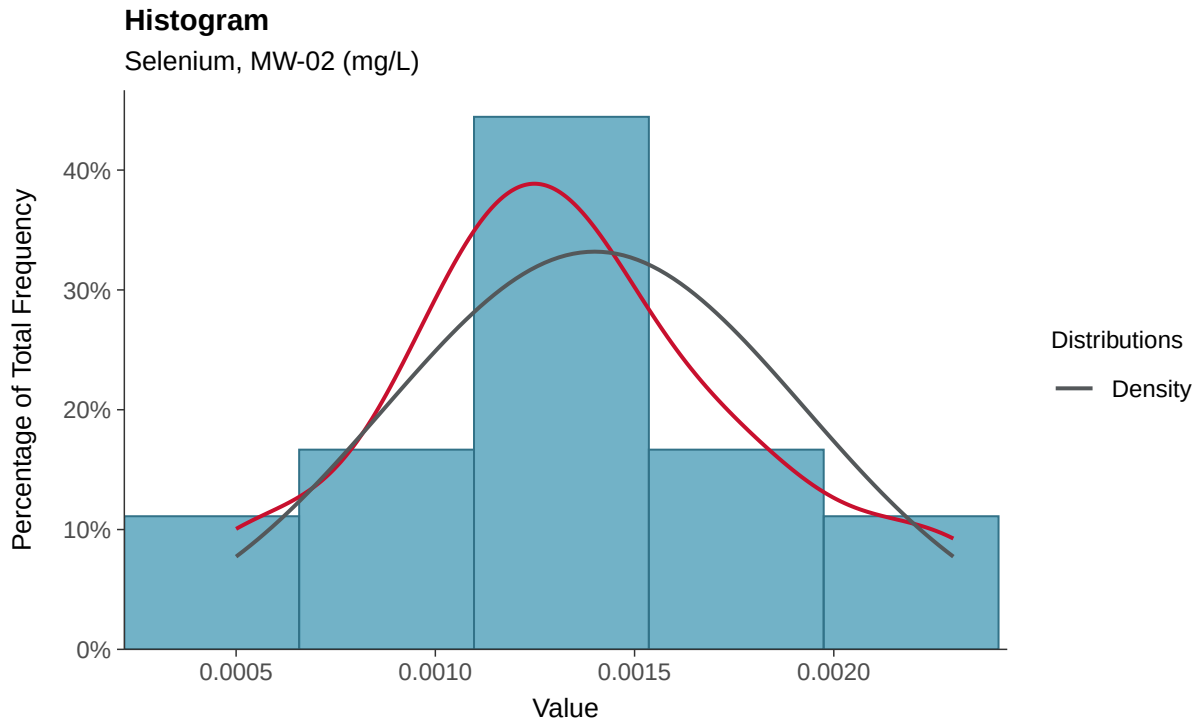
Radium 226 and 228, MW-02 (pCi/L)



Appendix IV: Selenium, MW-02

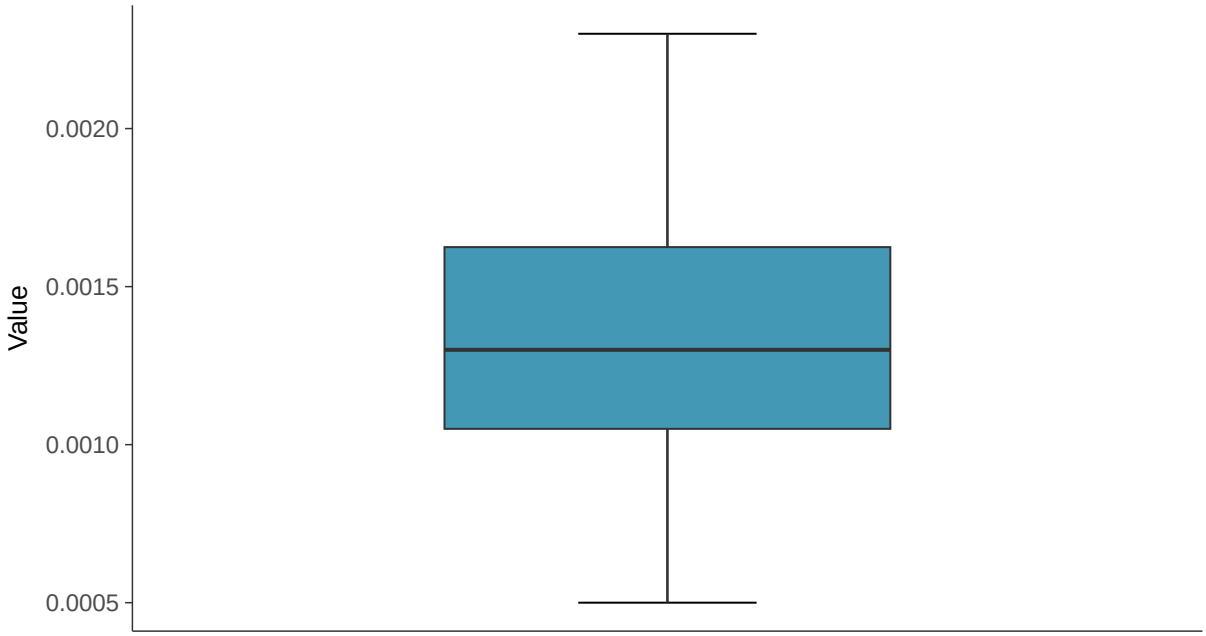
ID: 12_2_4_122





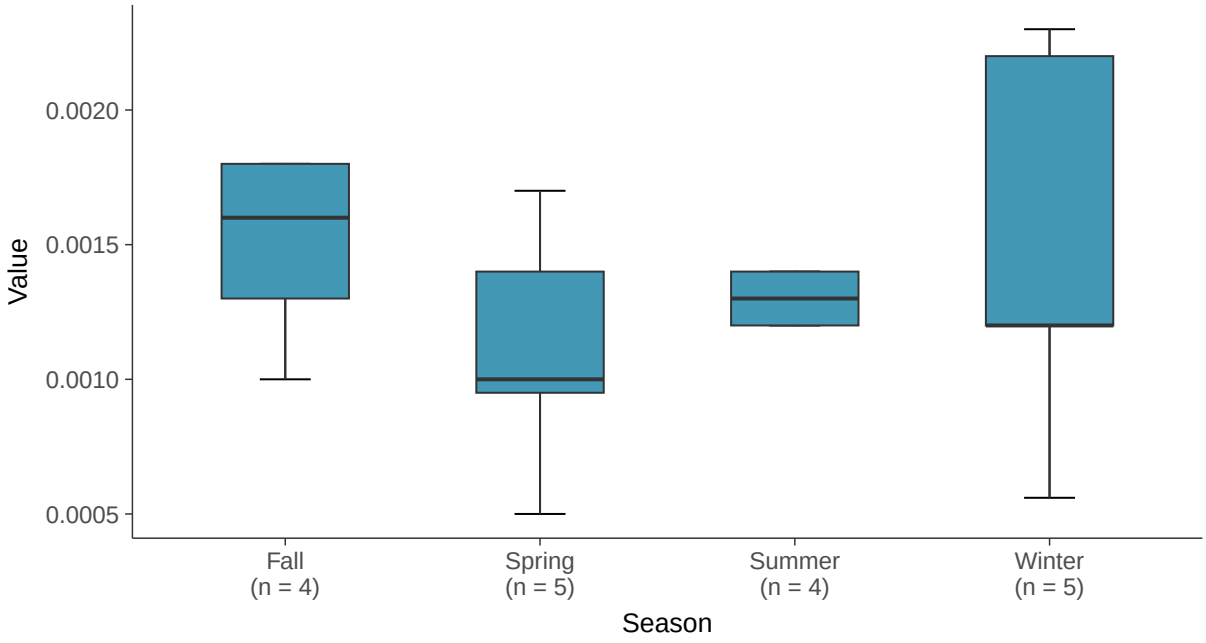
Boxplot

Selenium, MW-02 (mg/L)



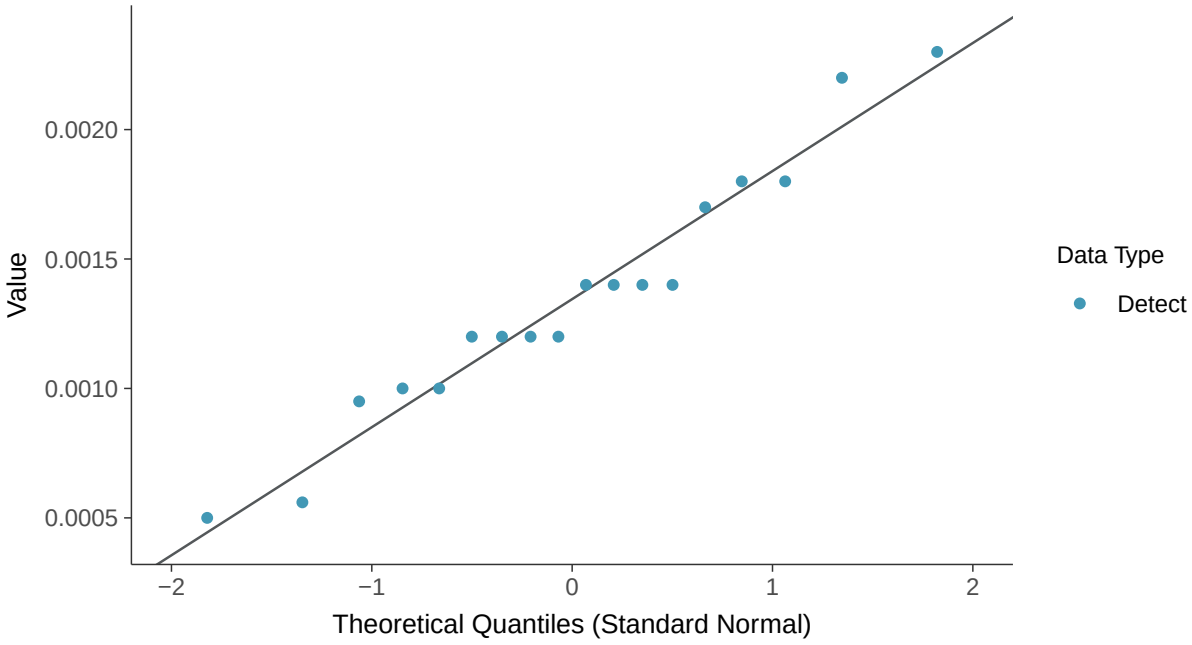
Boxplot by Season

Selenium, MW-02 (mg/L)



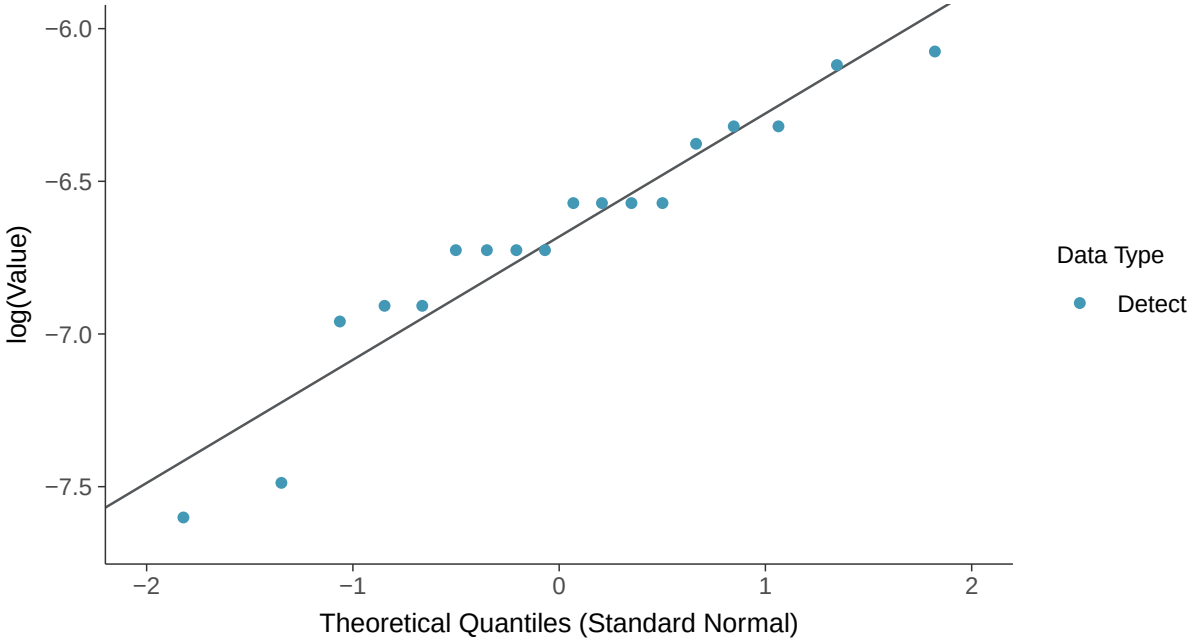
Normal Q-Q plot

Selenium, MW-02 (mg/L)



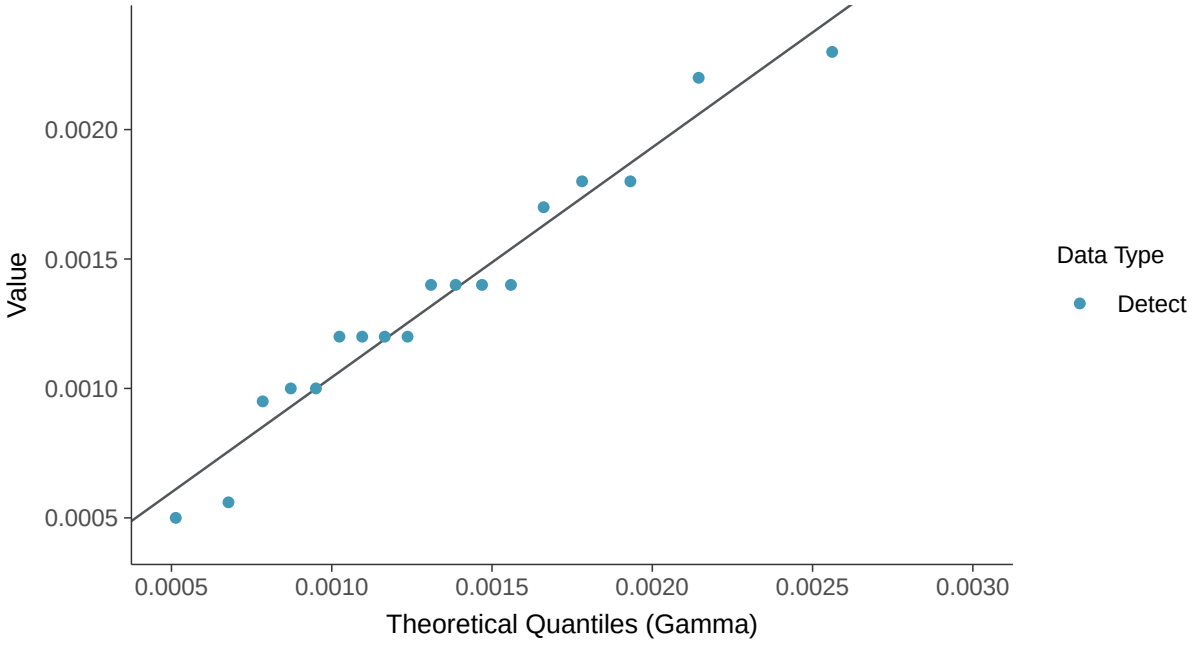
Lognormal Q-Q plot

Selenium, MW-02 (mg/L)



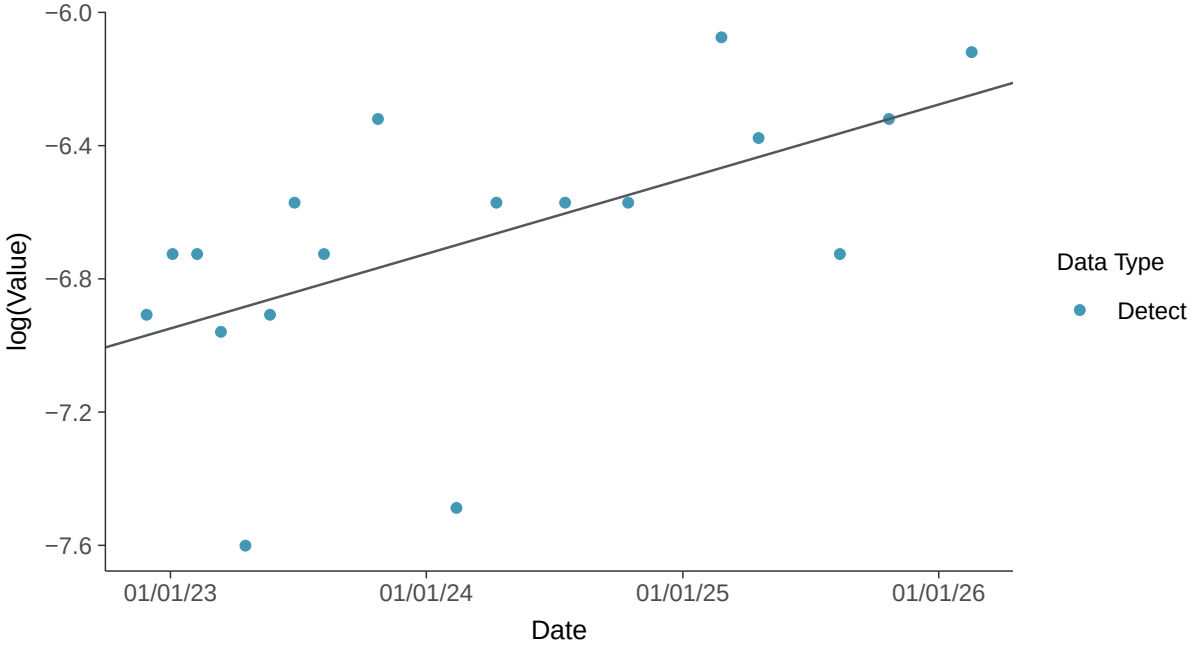
Gamma Q-Q plot

Selenium, MW-02 (mg/L)



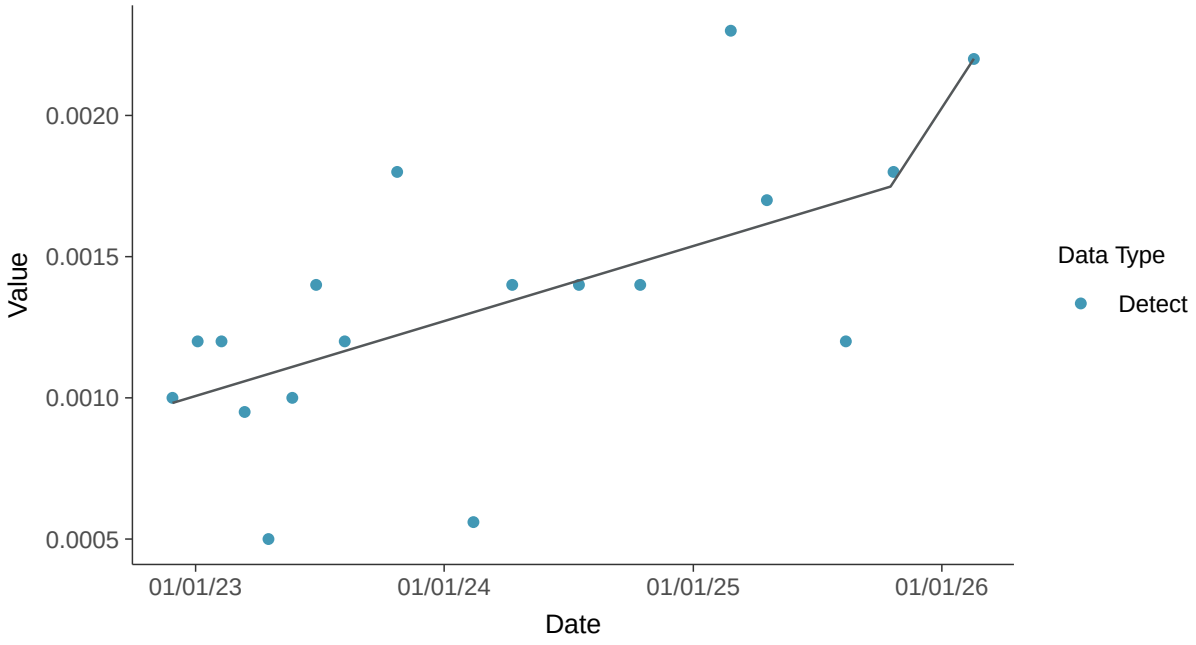
Trend Regression: Lognormal MLE

Selenium, MW-02 (mg/L)



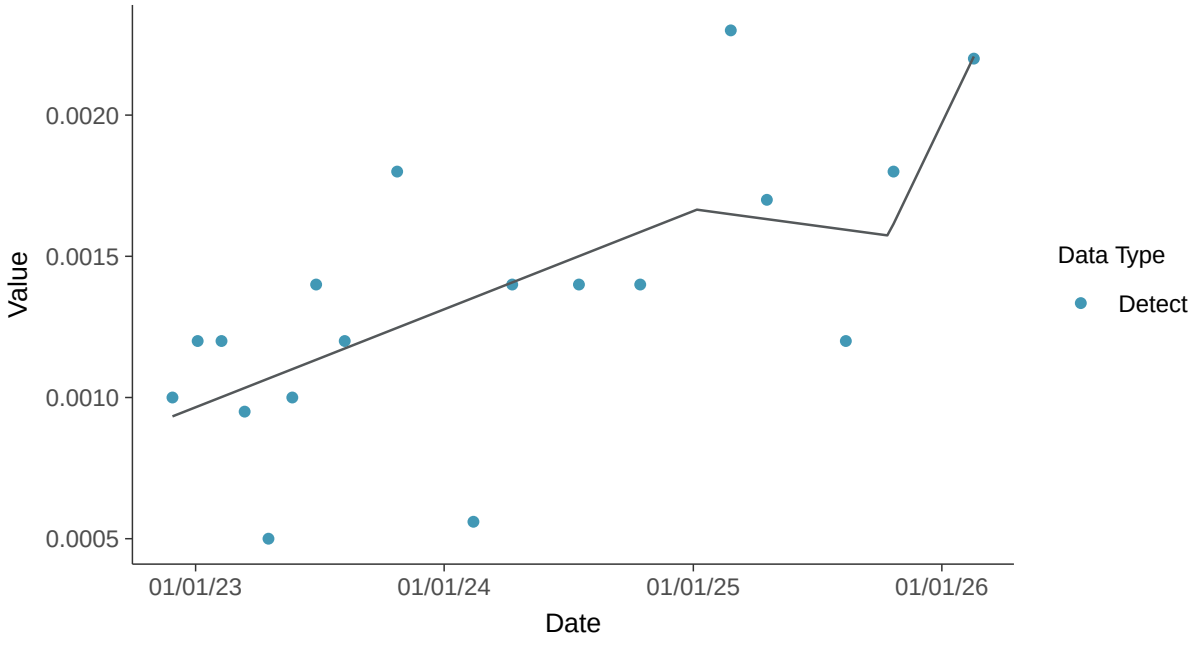
Trend Regression: Piecewise Linear-Linear

Selenium, MW-02 (mg/L)



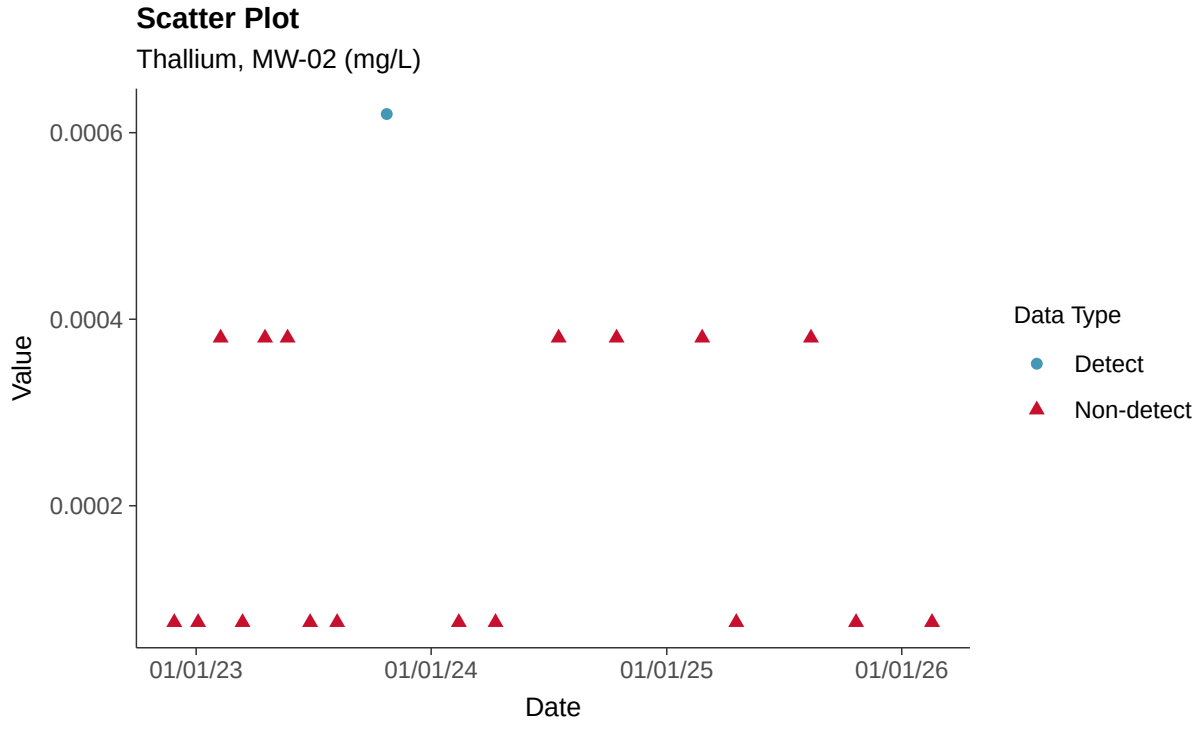
Trend Regression: Piecewise Linear-Linear-Linear

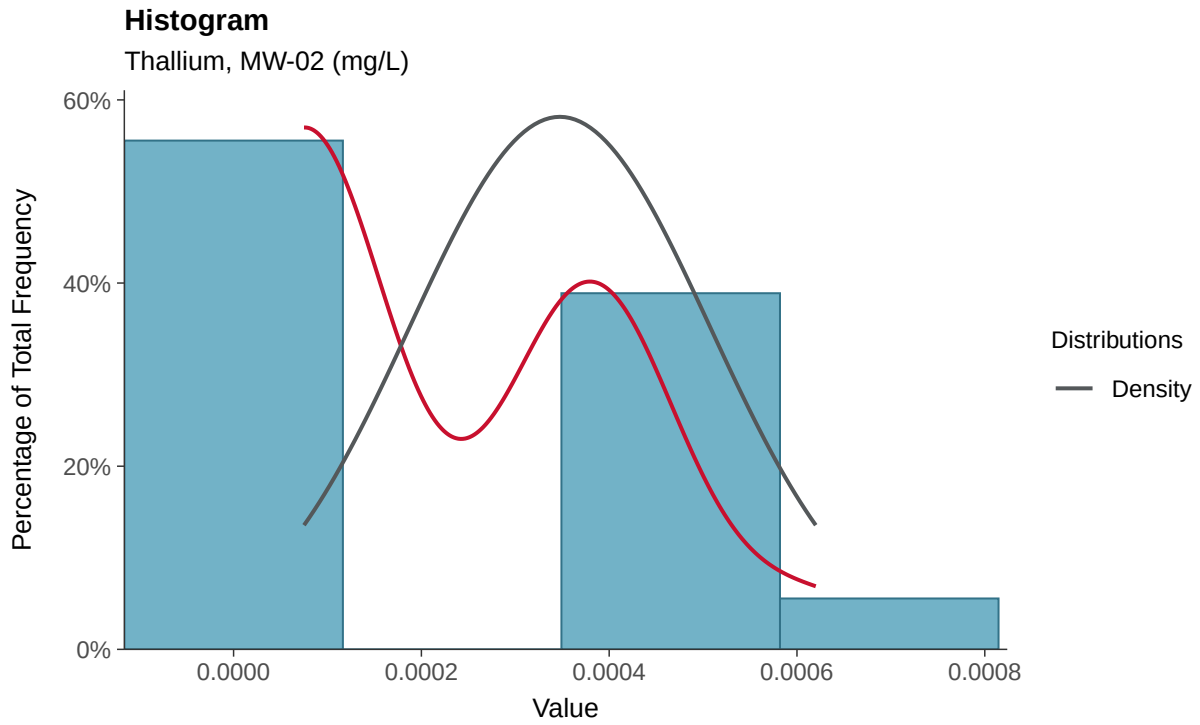
Selenium, MW-02 (mg/L)



Appendix IV: Thallium, MW-02

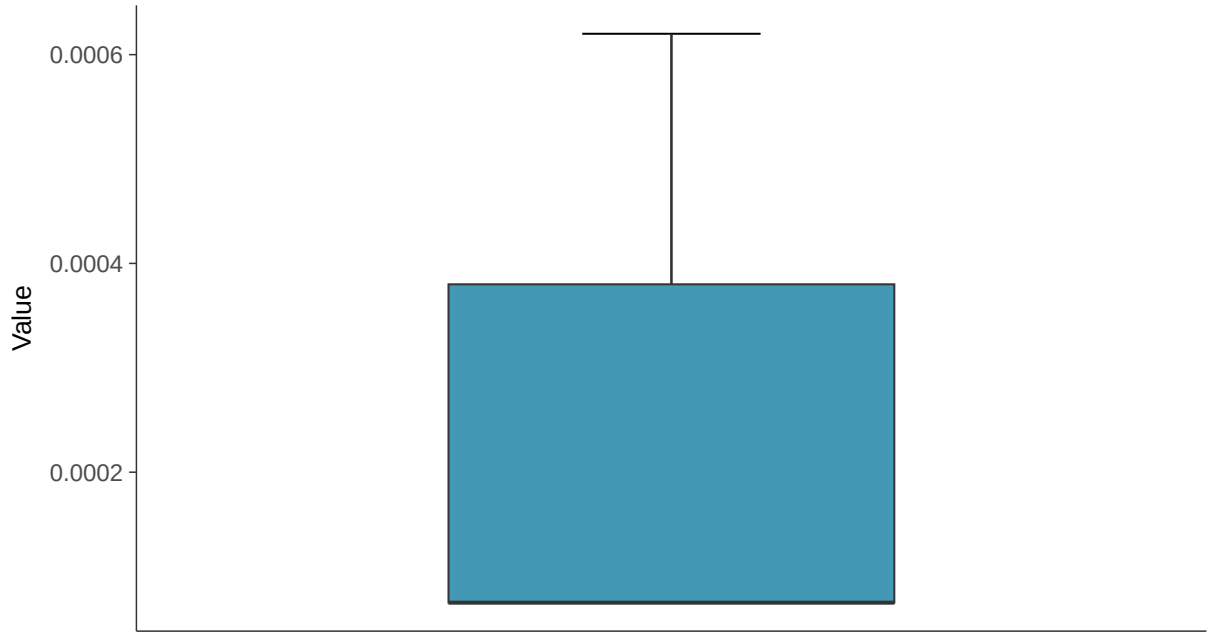
ID: 12_2_4_125





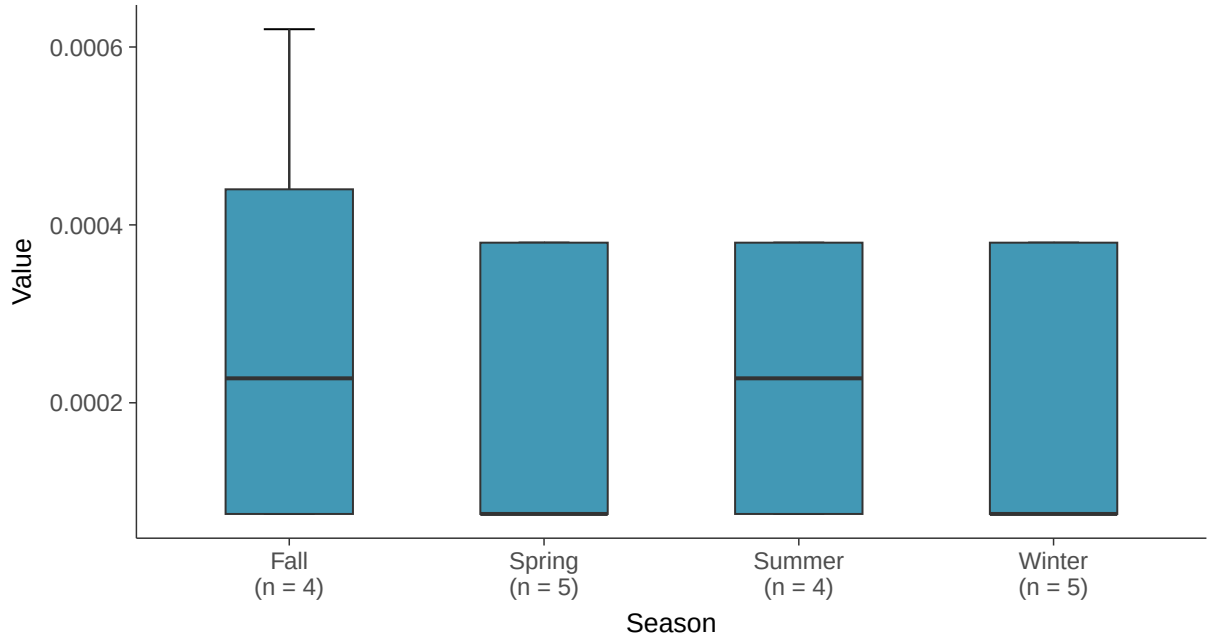
Boxplot

Thallium, MW-02 (mg/L)



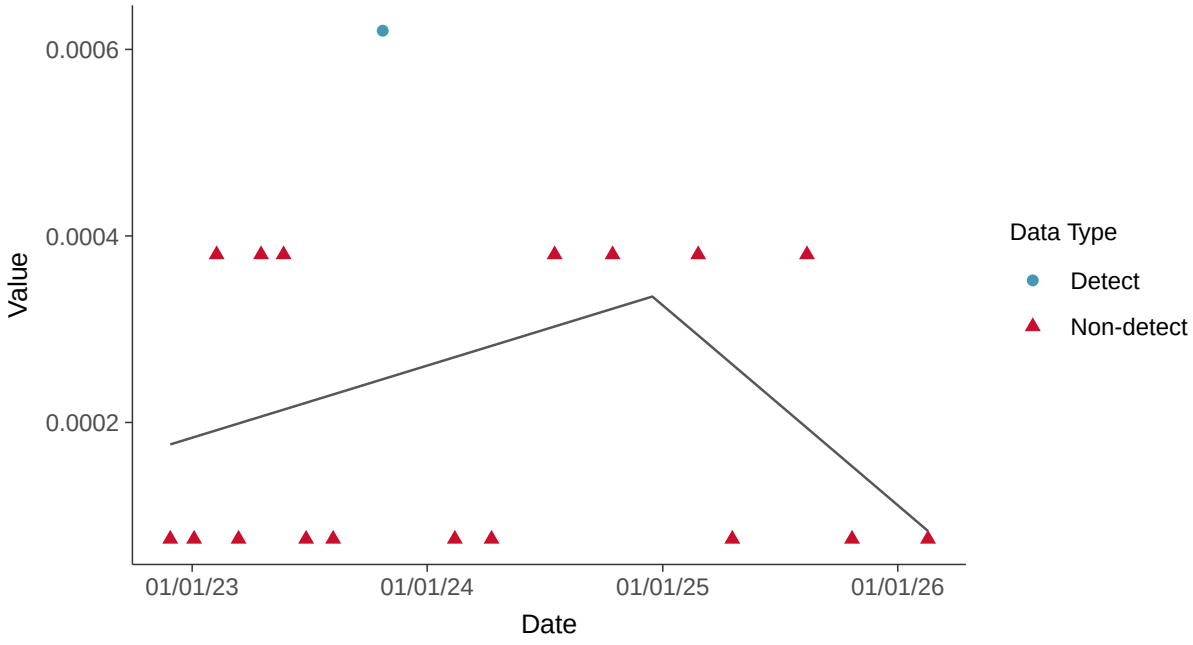
Boxplot by Season

Thallium, MW-02 (mg/L)



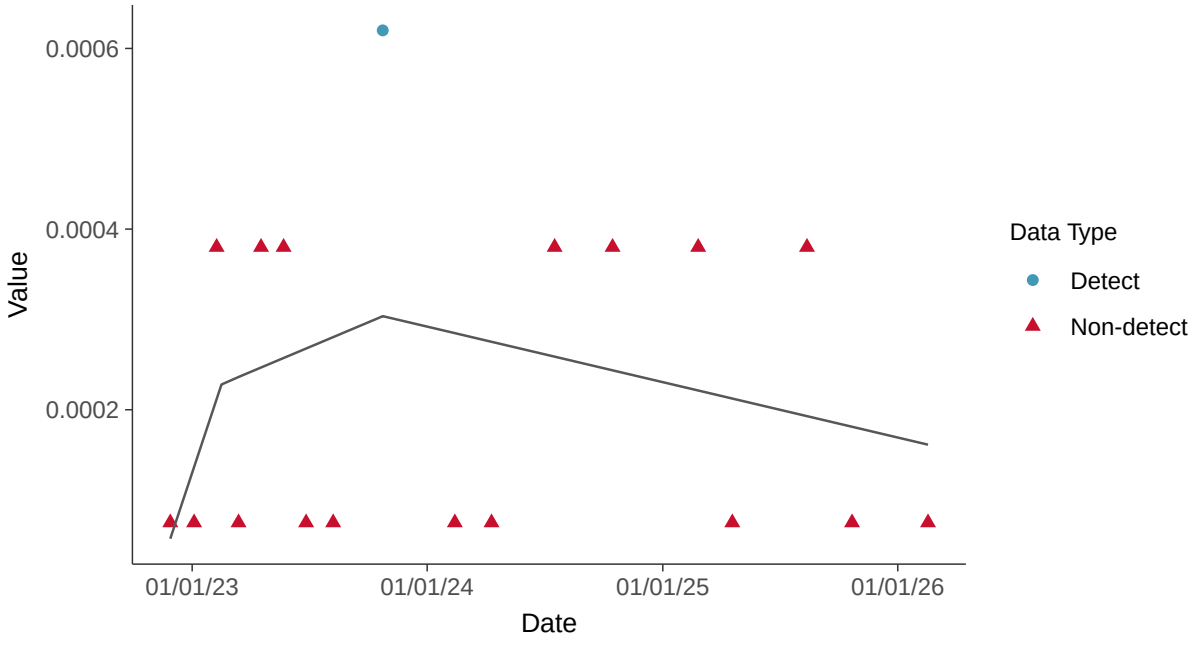
Trend Regression: Piecewise Linear-Linear

Thallium, MW-02 (mg/L)



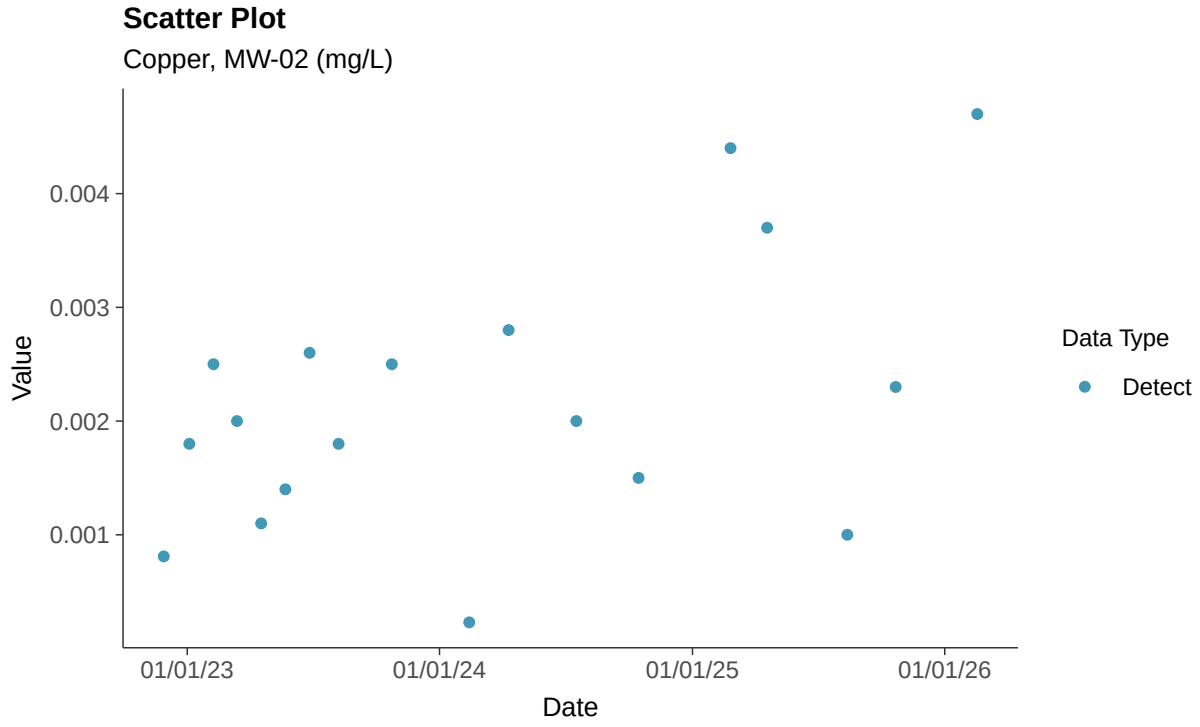
Trend Regression: Piecewise Linear-Linear-Linear

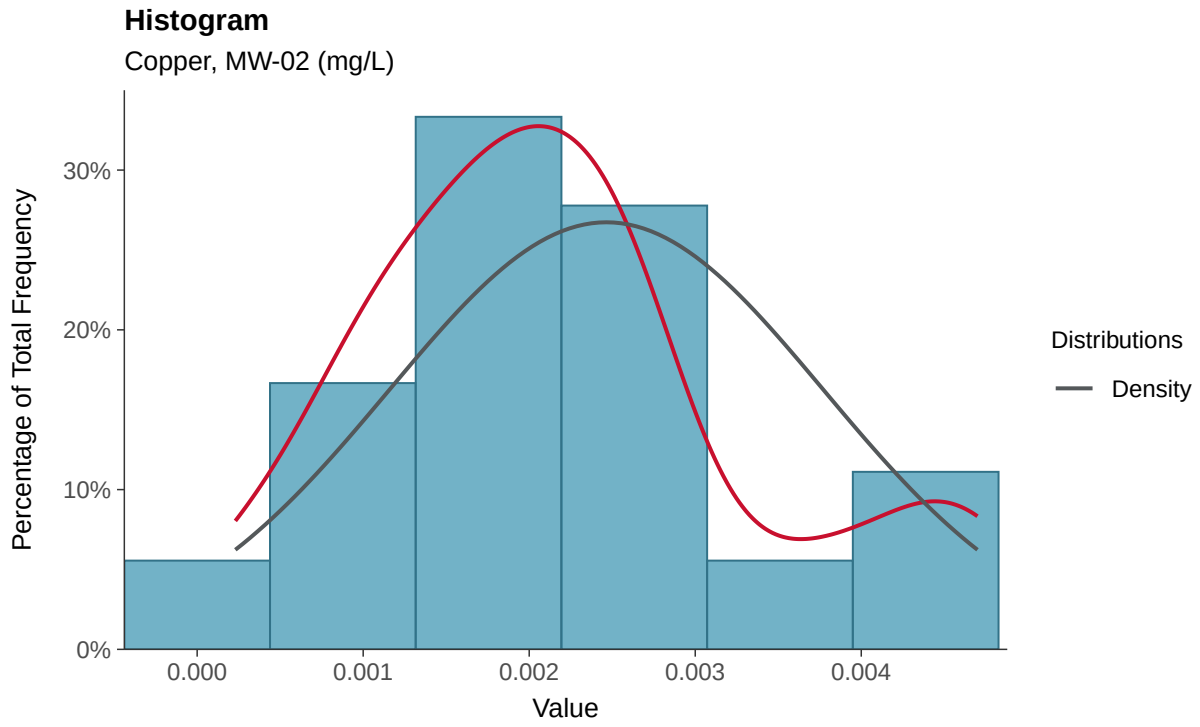
Thallium, MW-02 (mg/L)



Part 115: Copper, MW-02

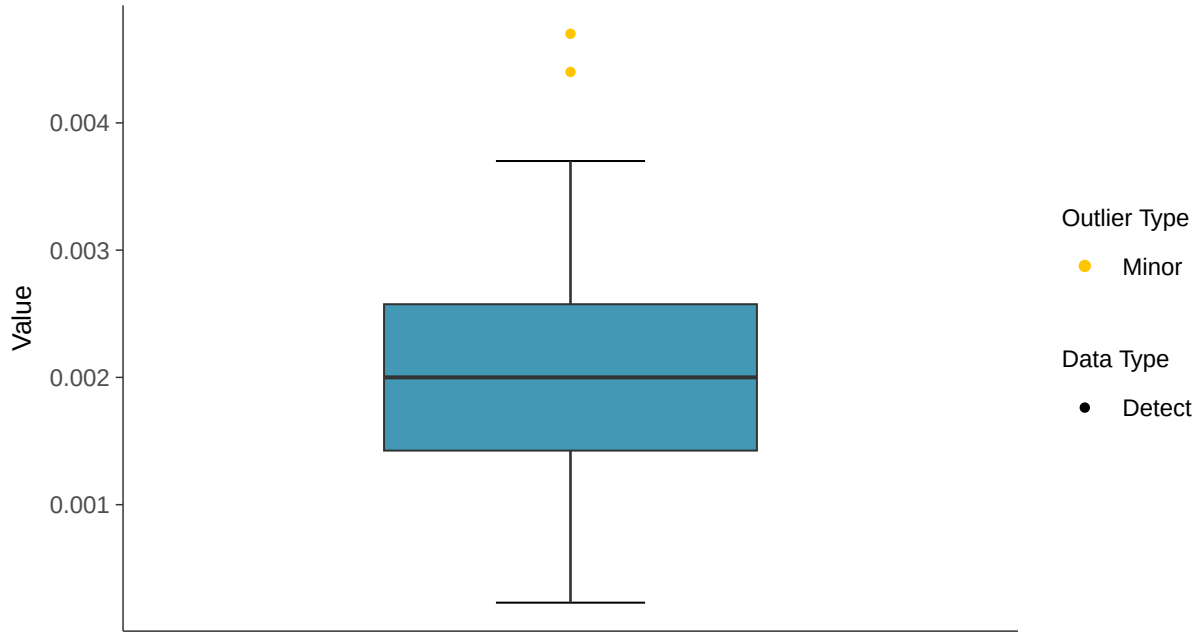
ID: 12_2_5_111





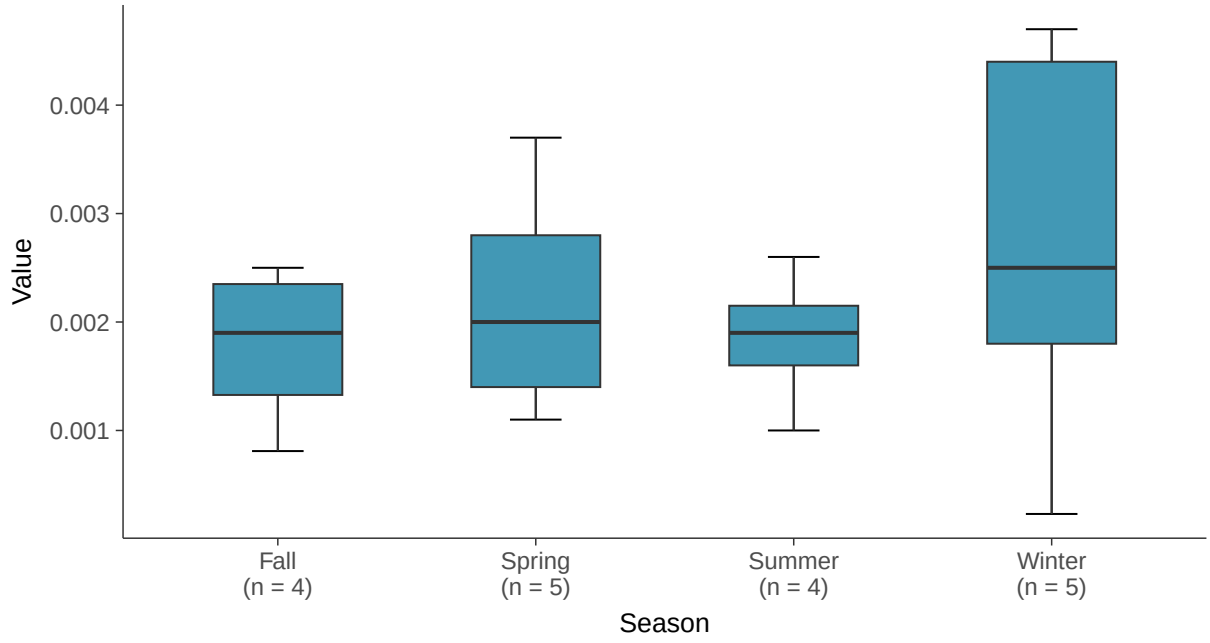
Boxplot

Copper, MW-02 (mg/L)



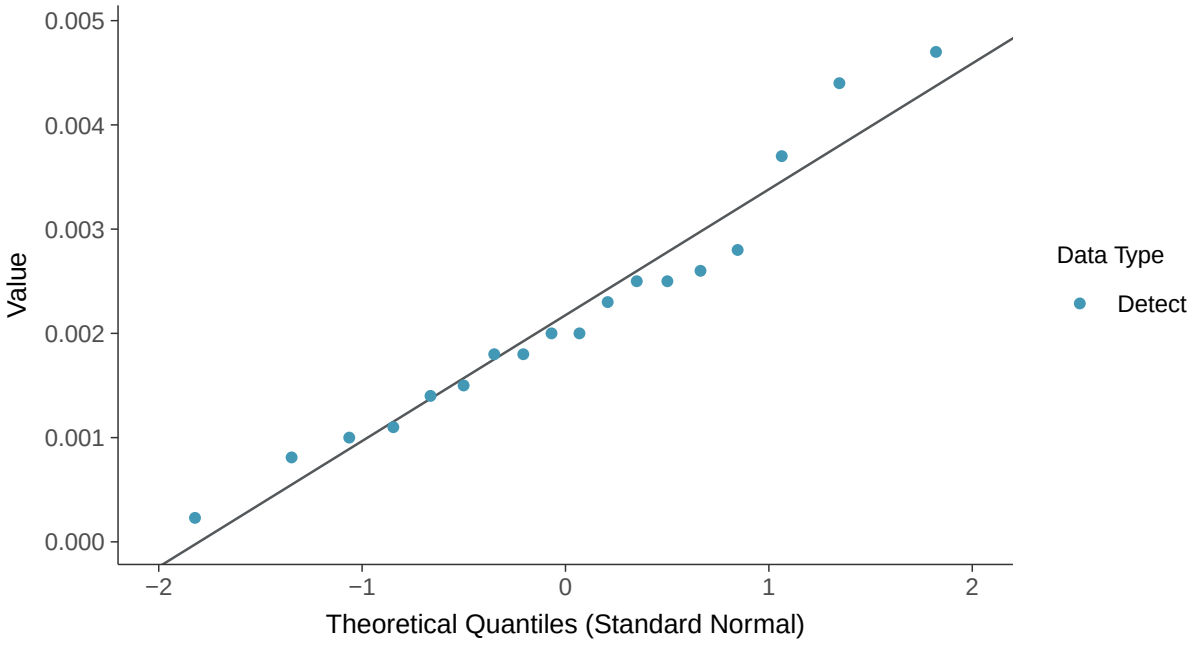
Boxplot by Season

Copper, MW-02 (mg/L)



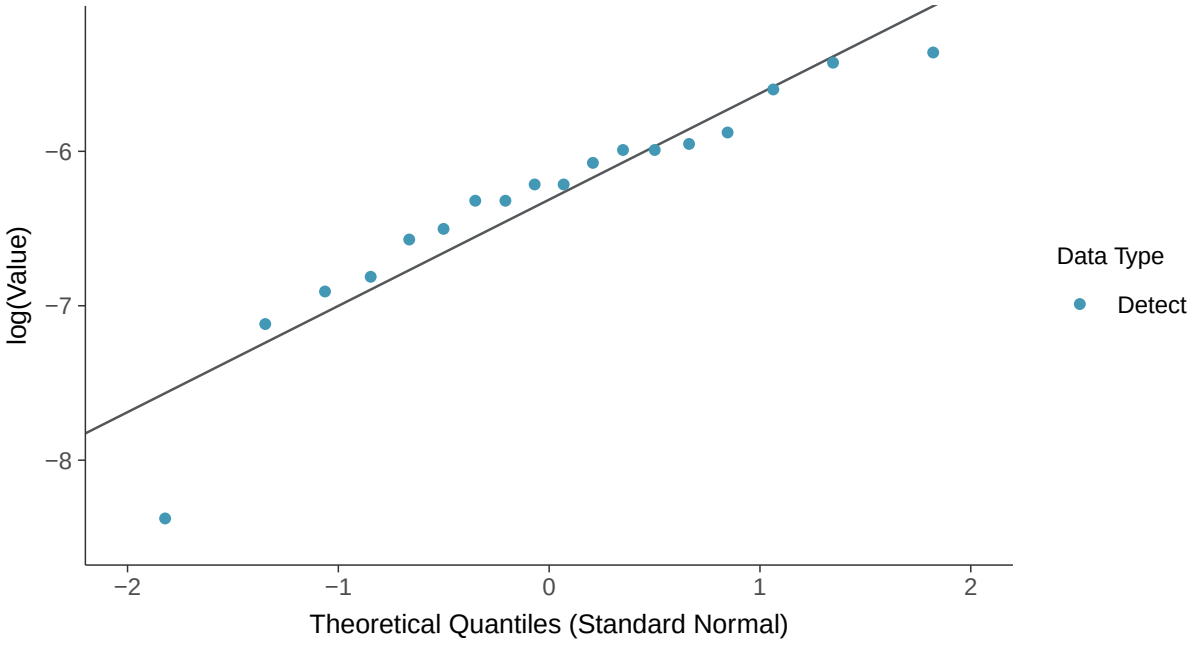
Normal Q-Q plot

Copper, MW-02 (mg/L)



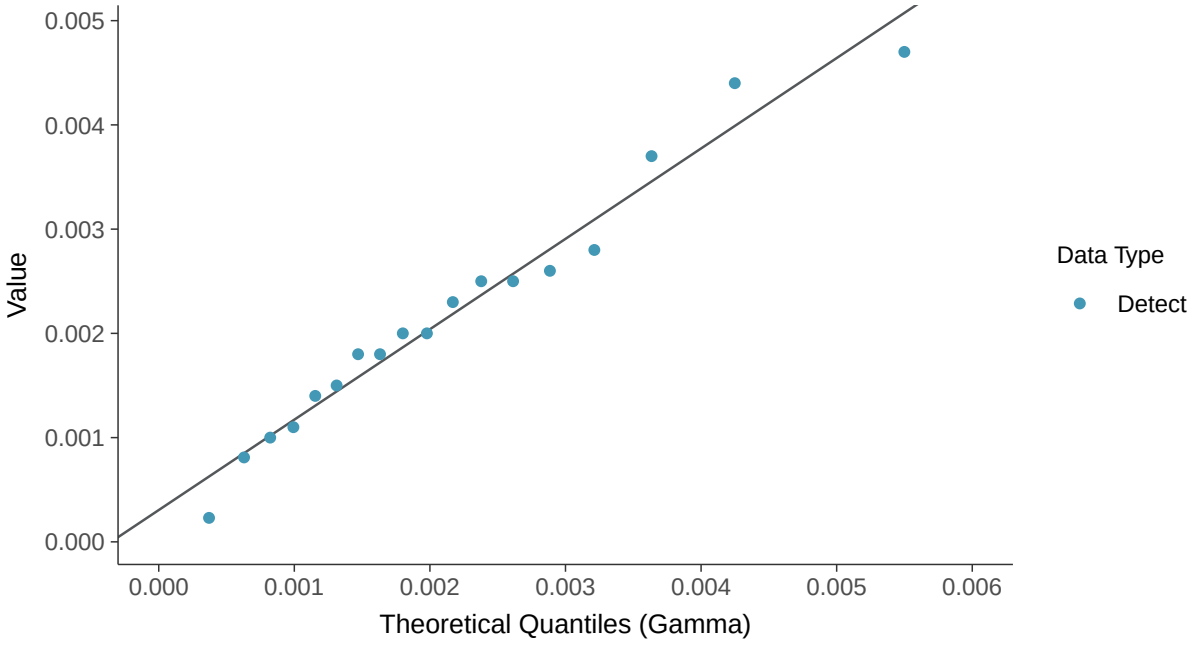
Lognormal Q-Q plot

Copper, MW-02 (mg/L)



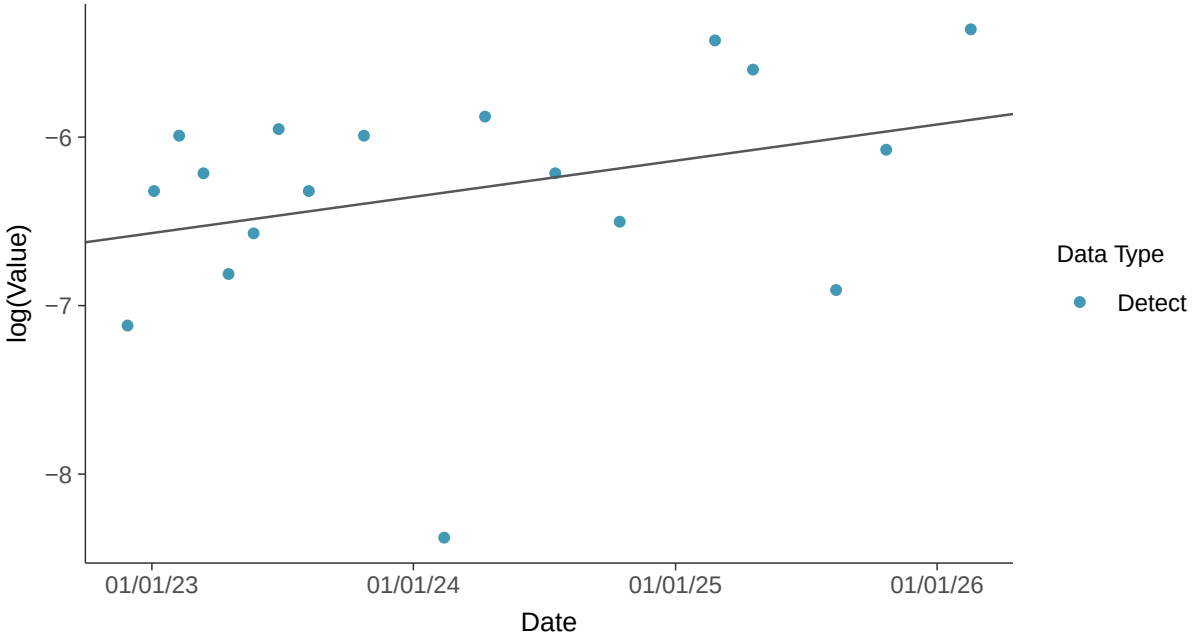
Gamma Q-Q plot

Copper, MW-02 (mg/L)



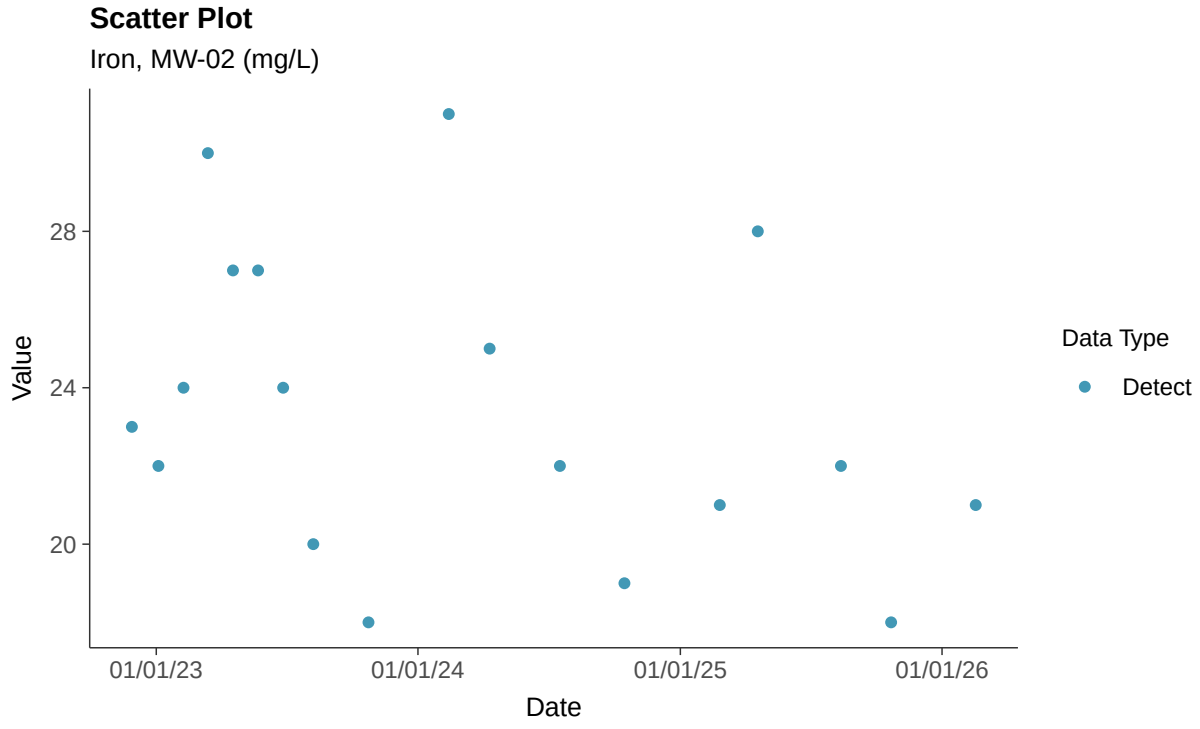
Trend Regression: Lognormal MLE

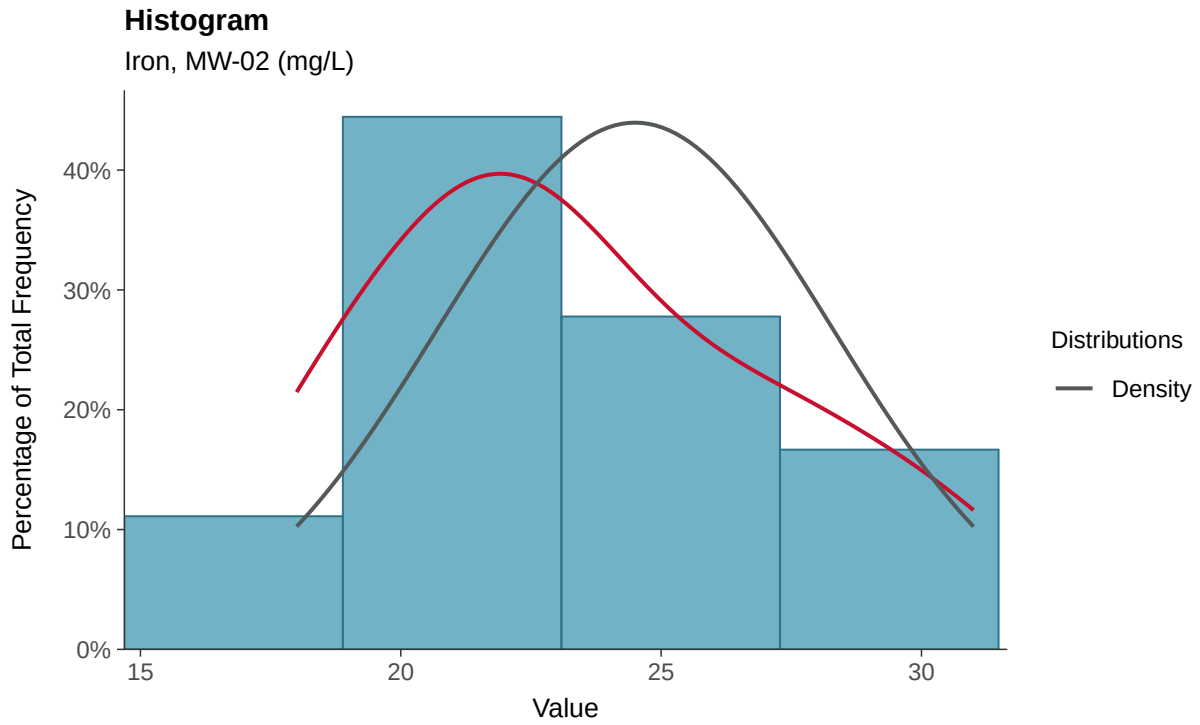
Copper, MW-02 (mg/L)



Part 115: Iron, MW-02

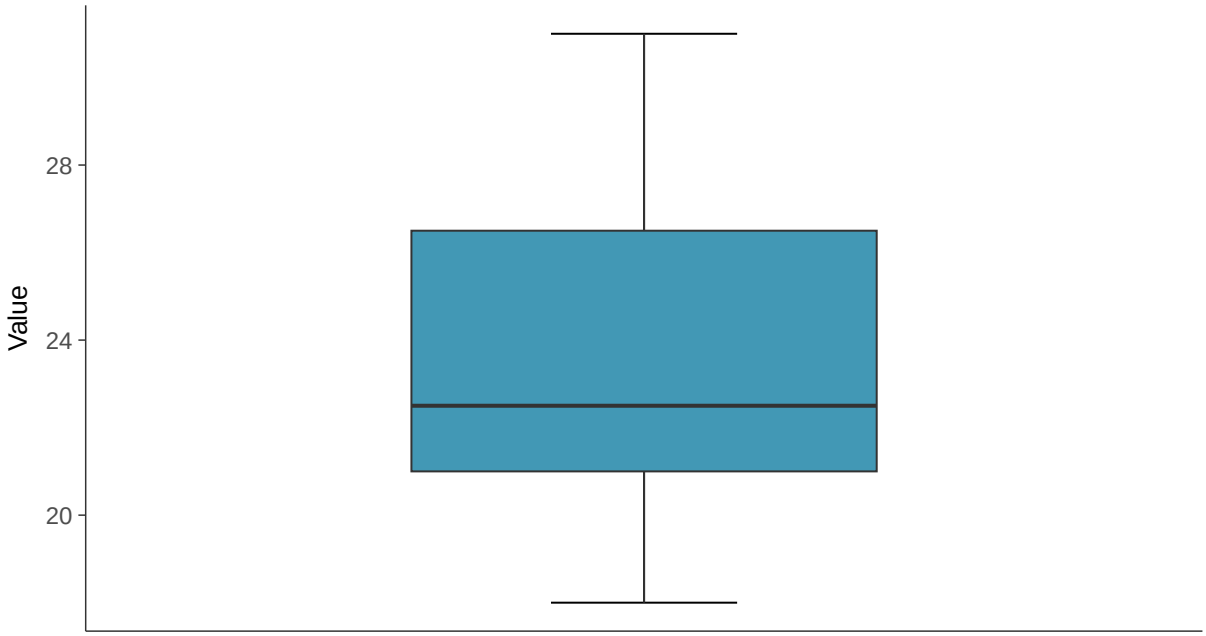
ID: 12_2_5_114





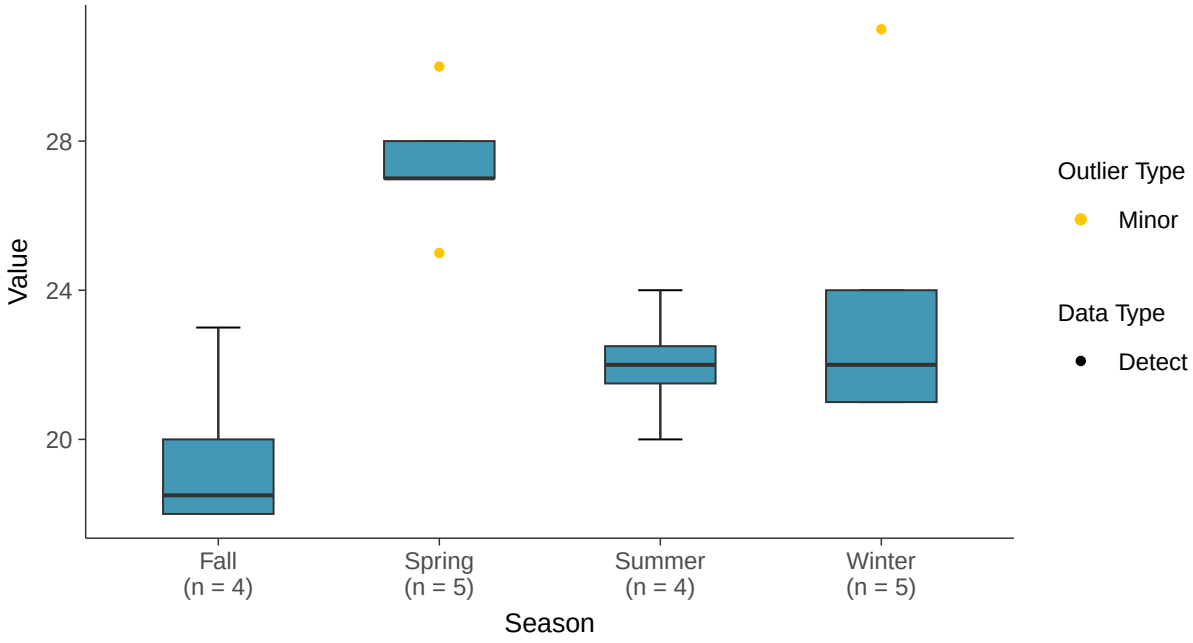
Boxplot

Iron, MW-02 (mg/L)



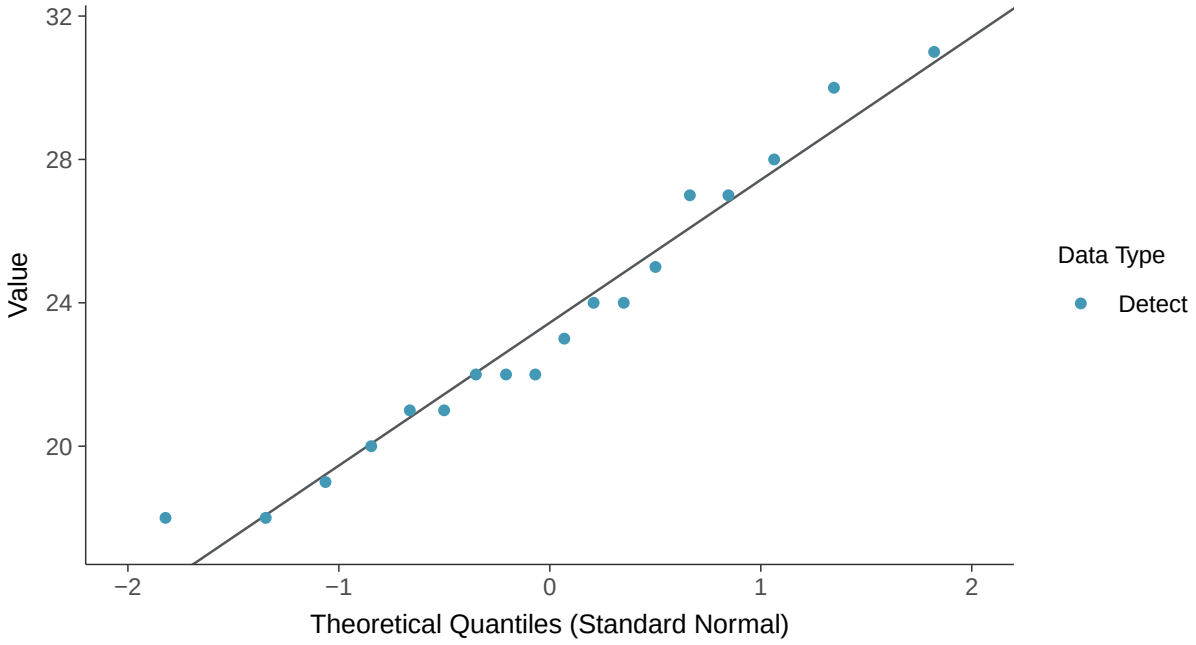
Boxplot by Season

Iron, MW-02 (mg/L)



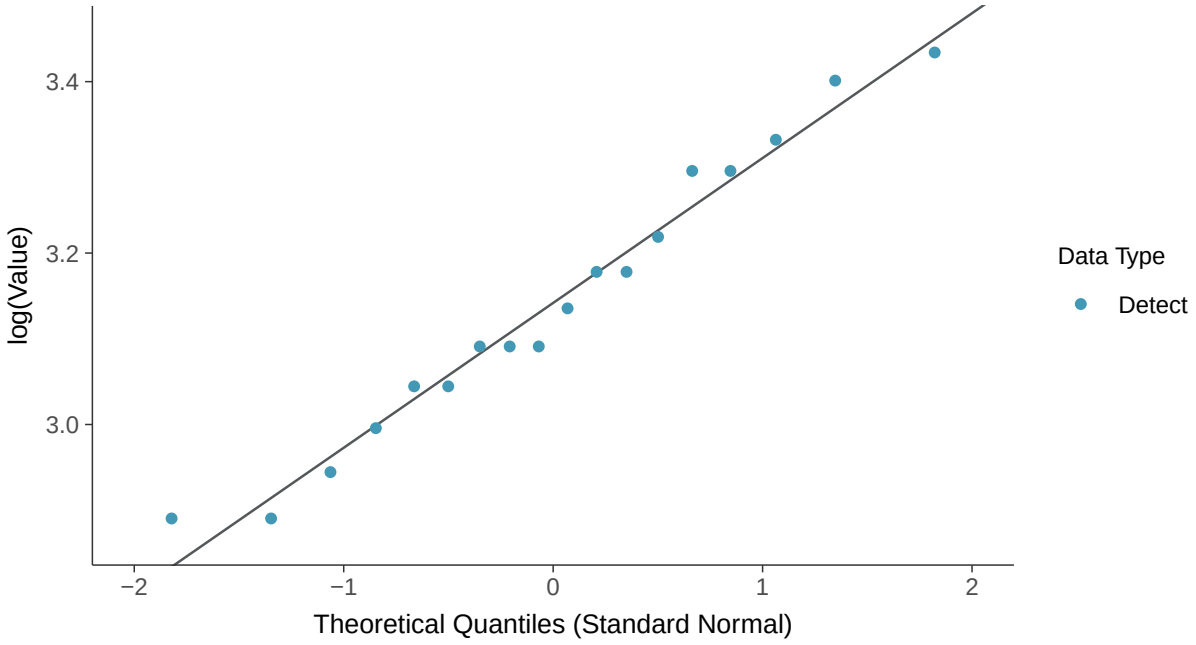
Normal Q-Q plot

Iron, MW-02 (mg/L)



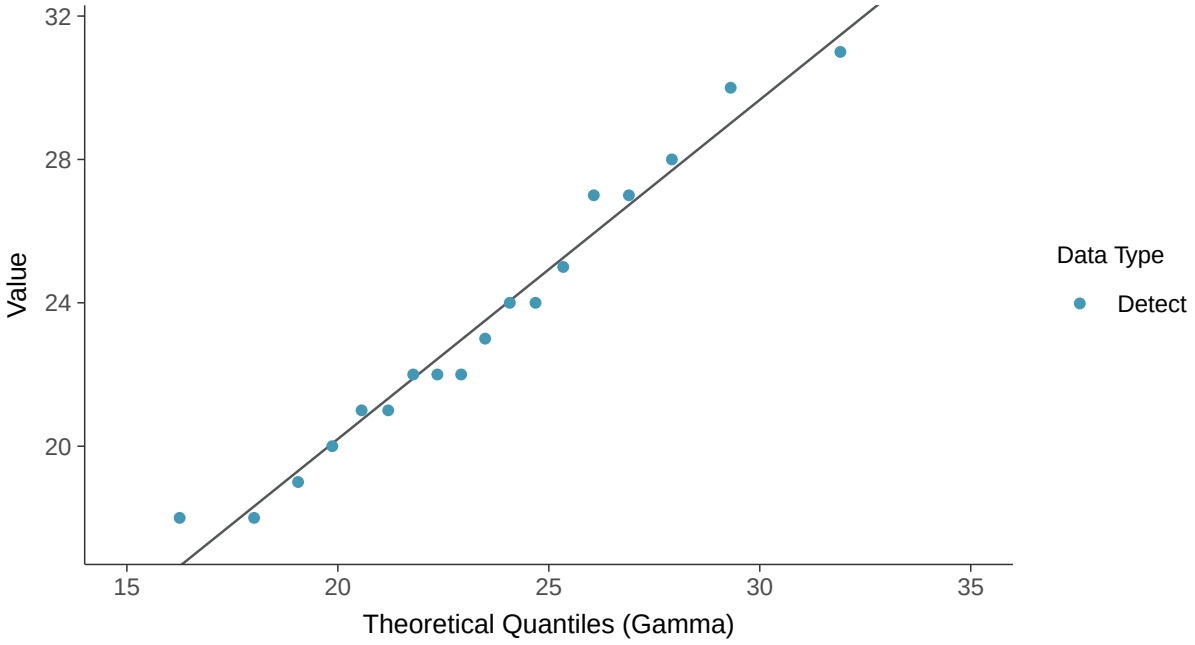
Lognormal Q-Q plot

Iron, MW-02 (mg/L)



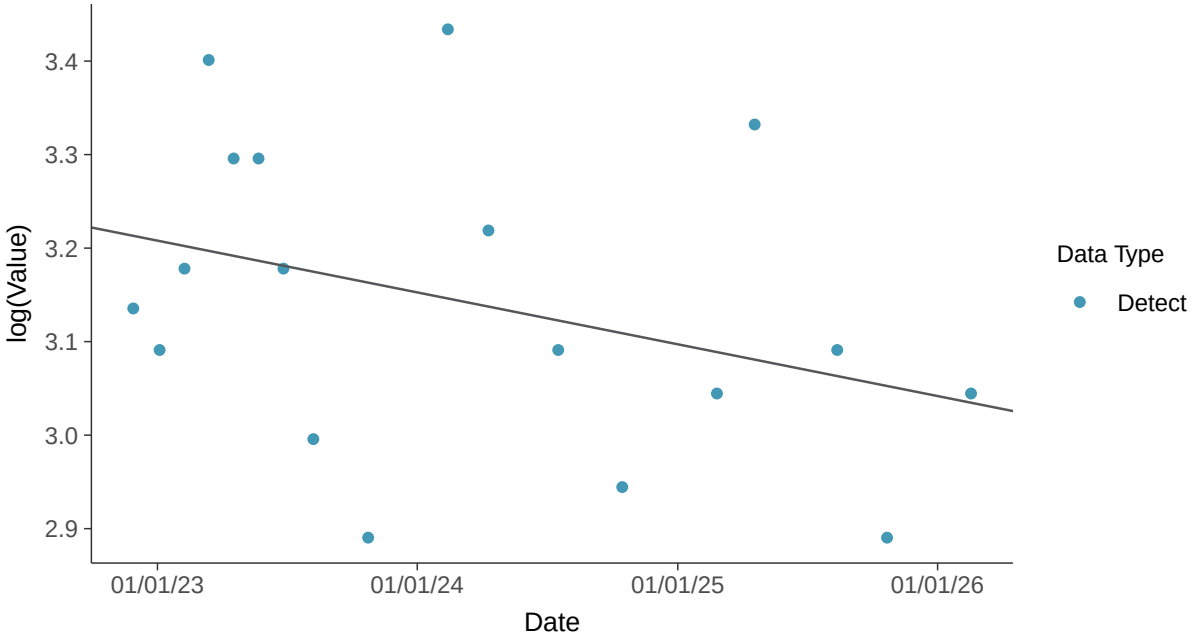
Gamma Q-Q plot

Iron, MW-02 (mg/L)



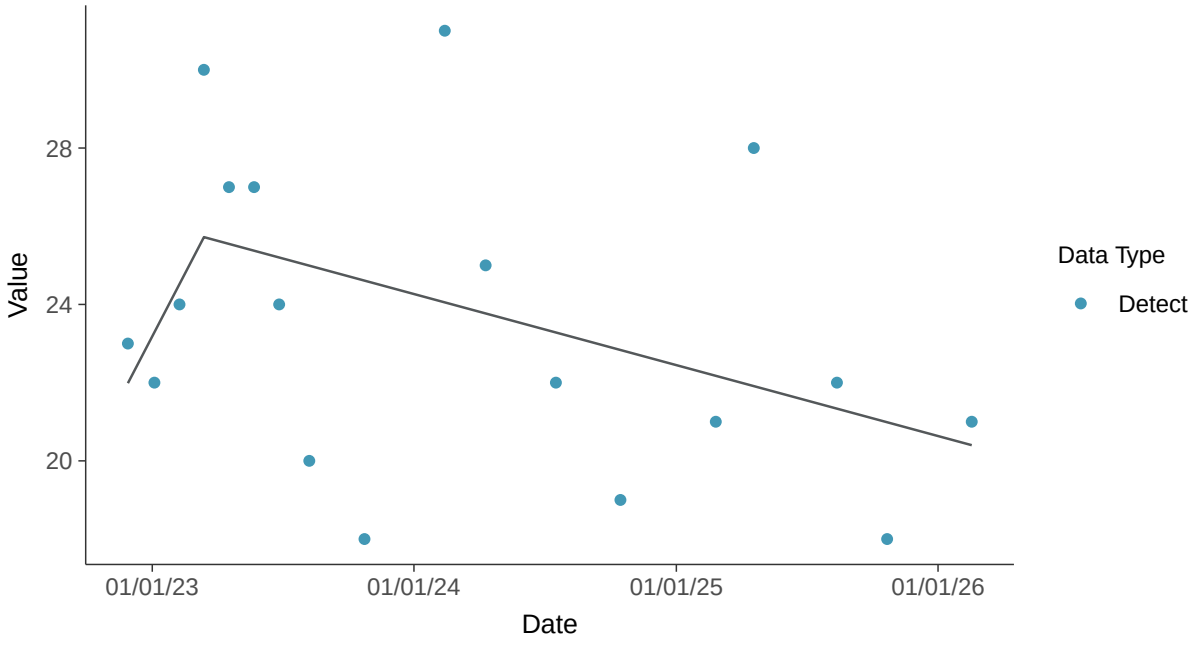
Trend Regression: Lognormal MLE

Iron, MW-02 (mg/L)



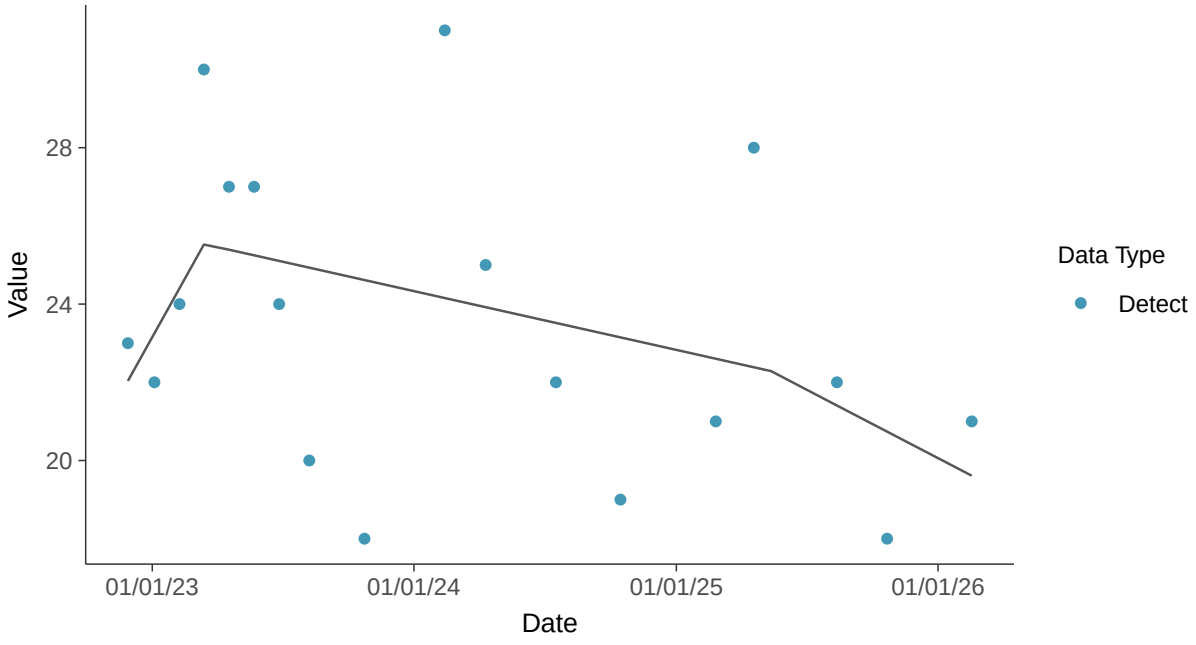
Trend Regression: Piecewise Linear-Linear

Iron, MW-02 (mg/L)



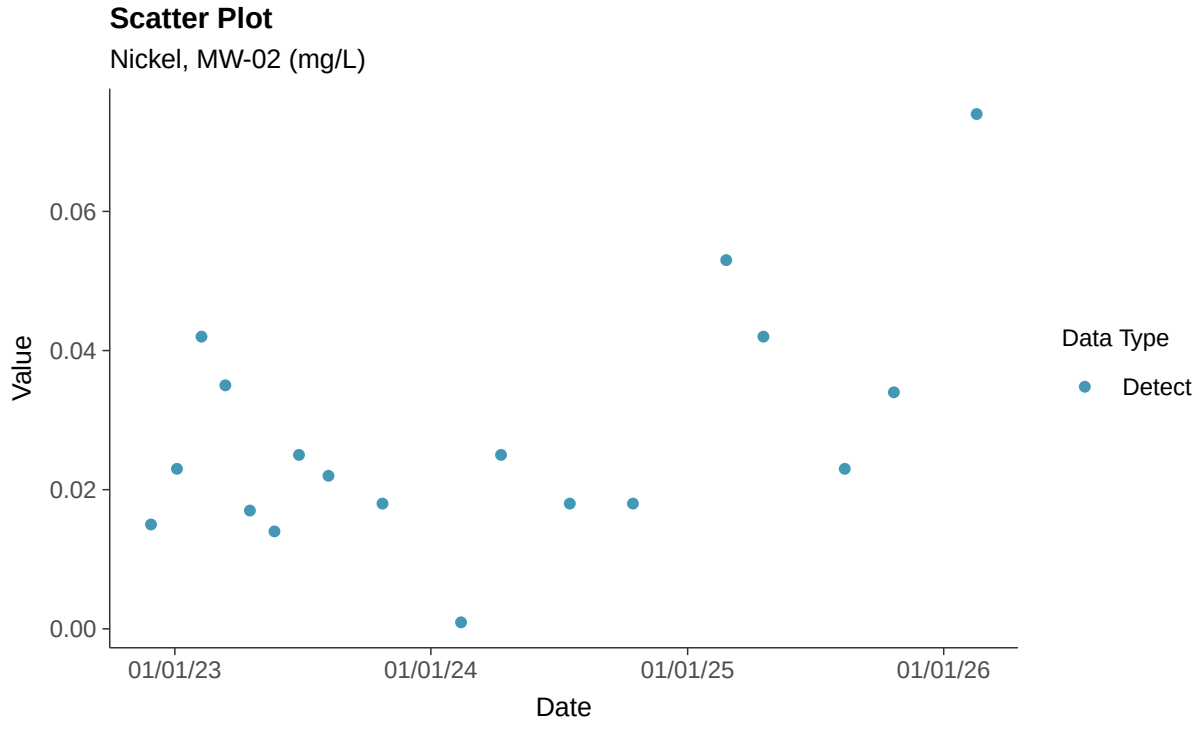
Trend Regression: Piecewise Linear-Linear-Linear

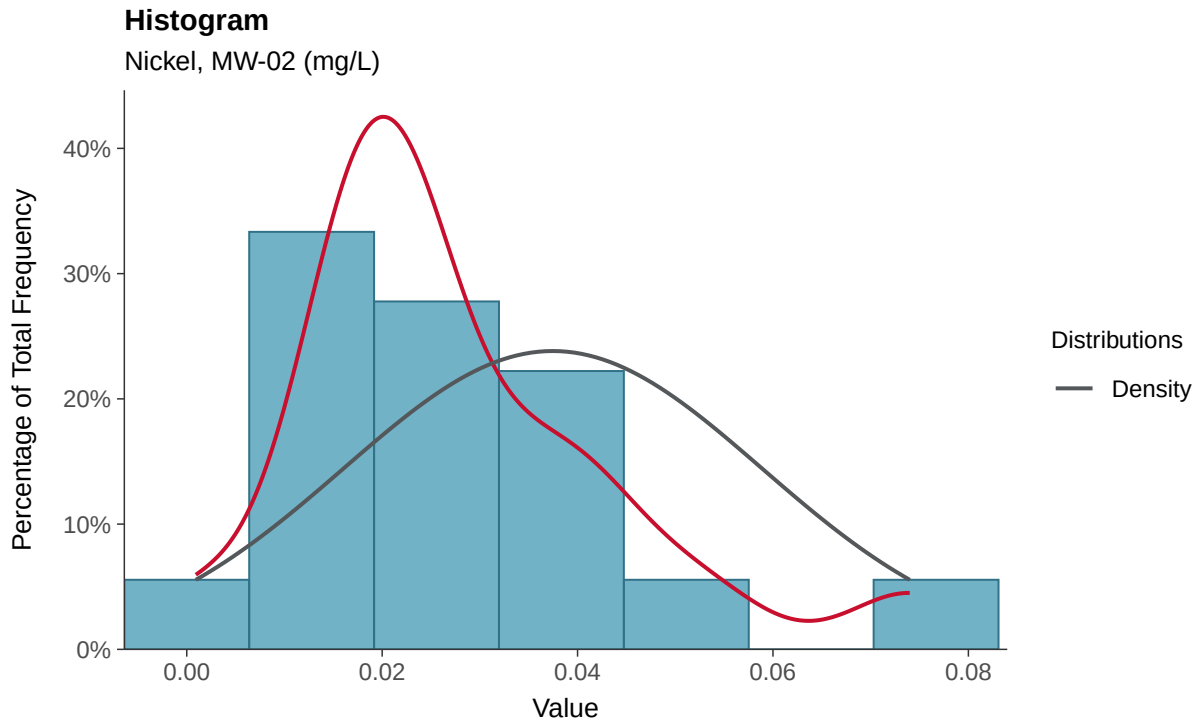
Iron, MW-02 (mg/L)



Part 115: Nickel, MW-02

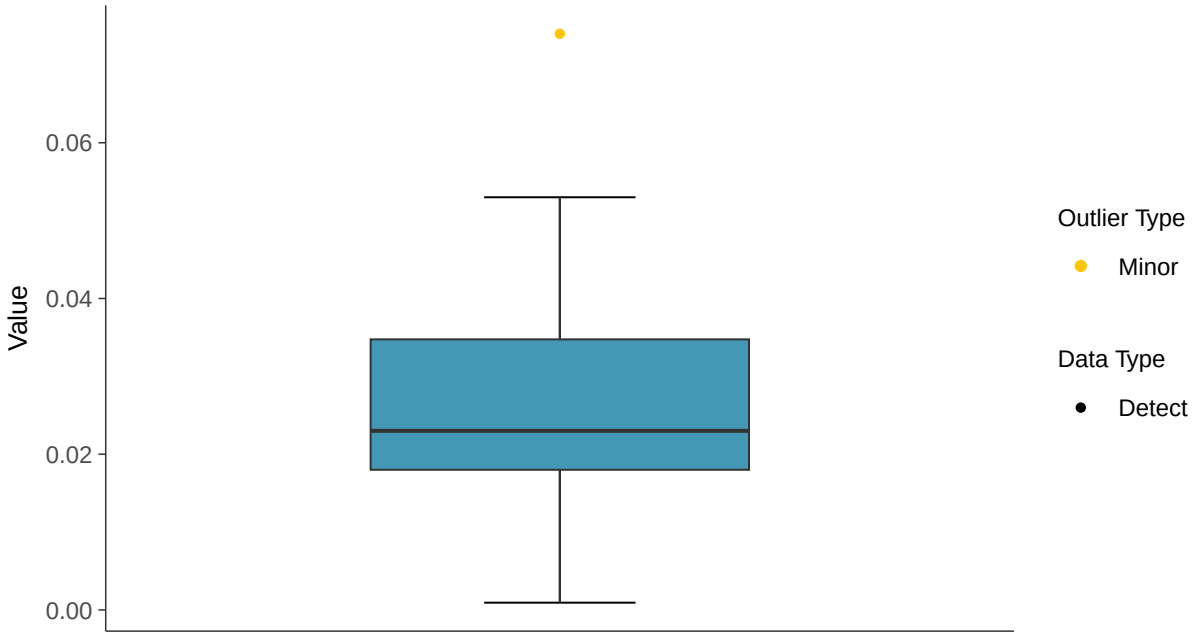
ID: 12_2_5_119





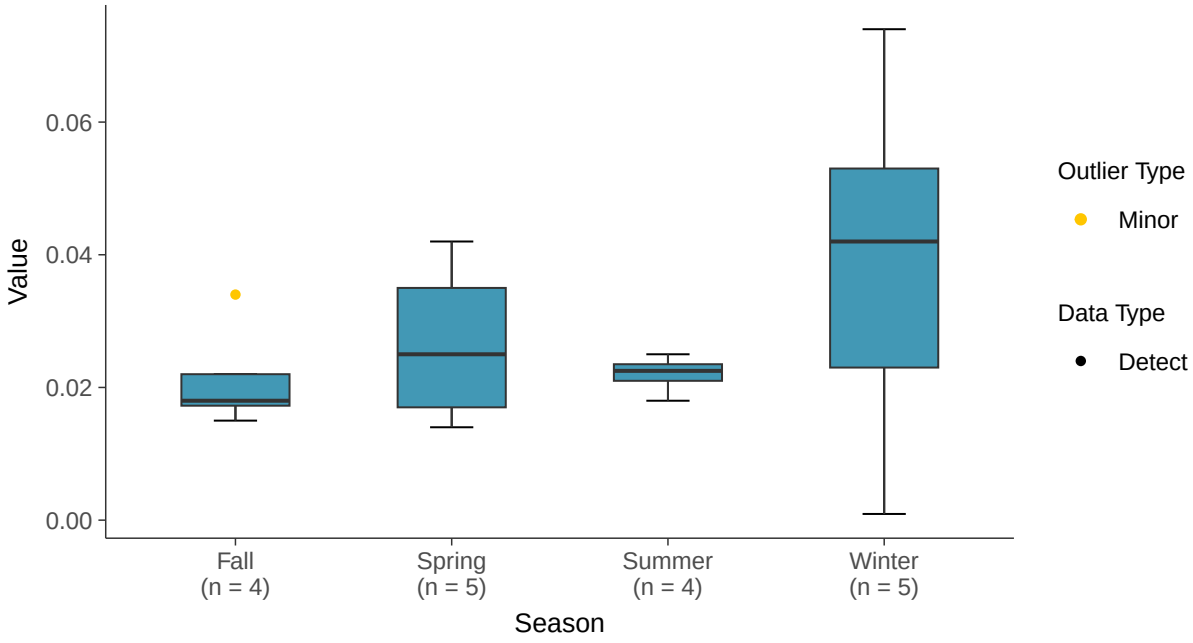
Boxplot

Nickel, MW-02 (mg/L)



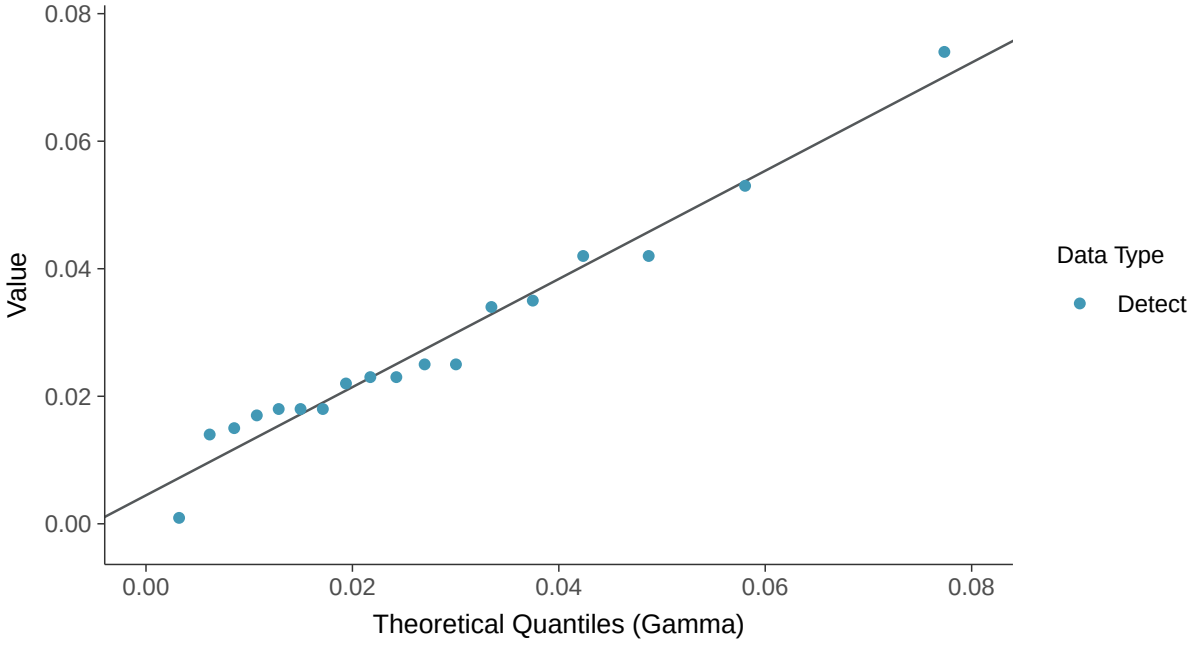
Boxplot by Season

Nickel, MW-02 (mg/L)



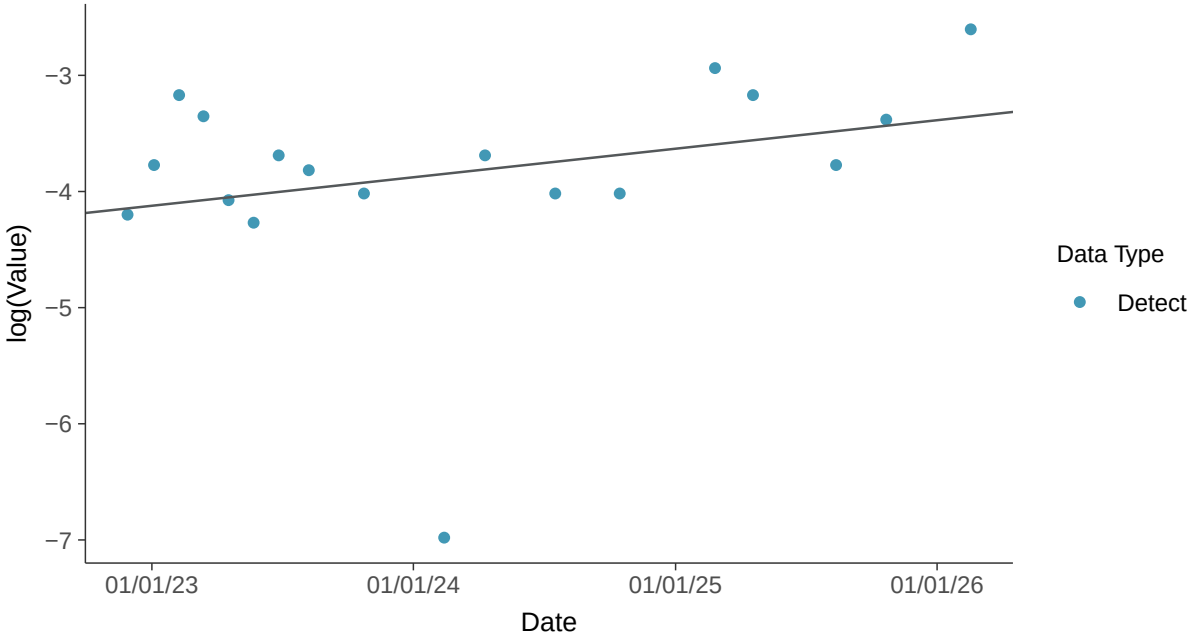
Gamma Q-Q plot

Nickel, MW-02 (mg/L)



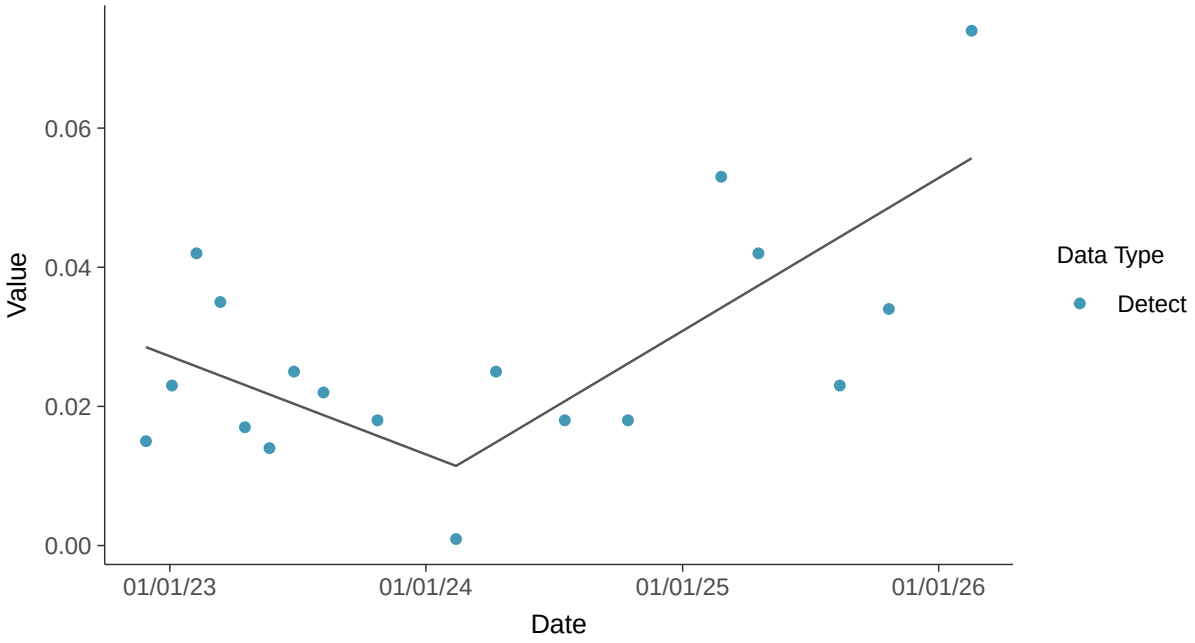
Trend Regression: Lognormal MLE

Nickel, MW-02 (mg/L)



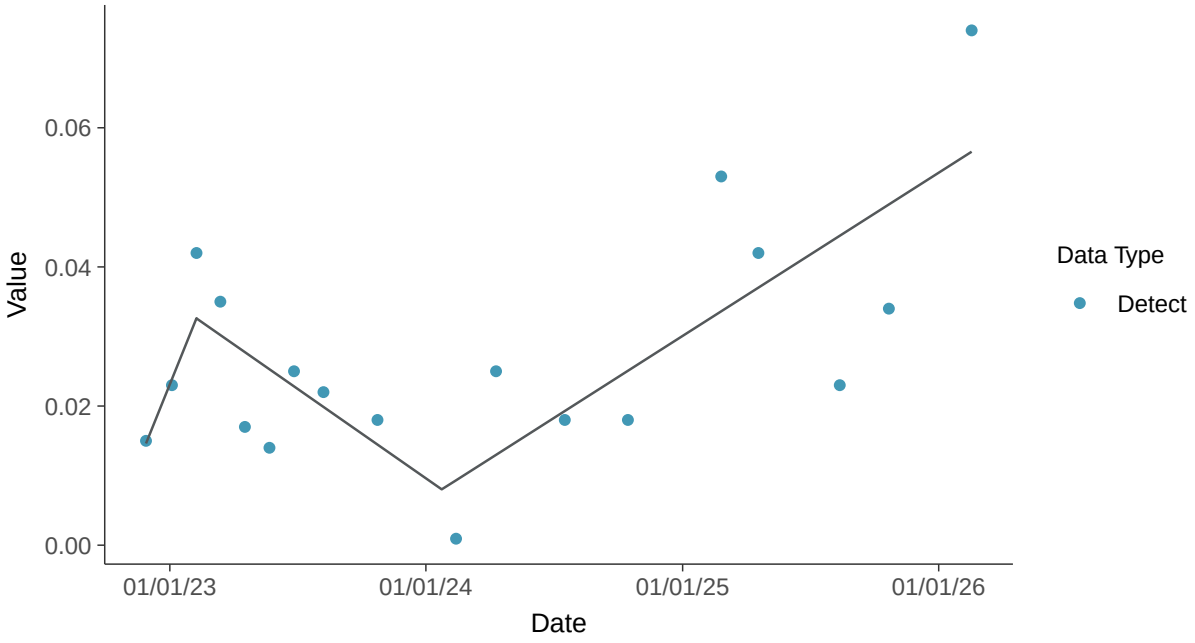
Trend Regression: Piecewise Linear-Linear

Nickel, MW-02 (mg/L)



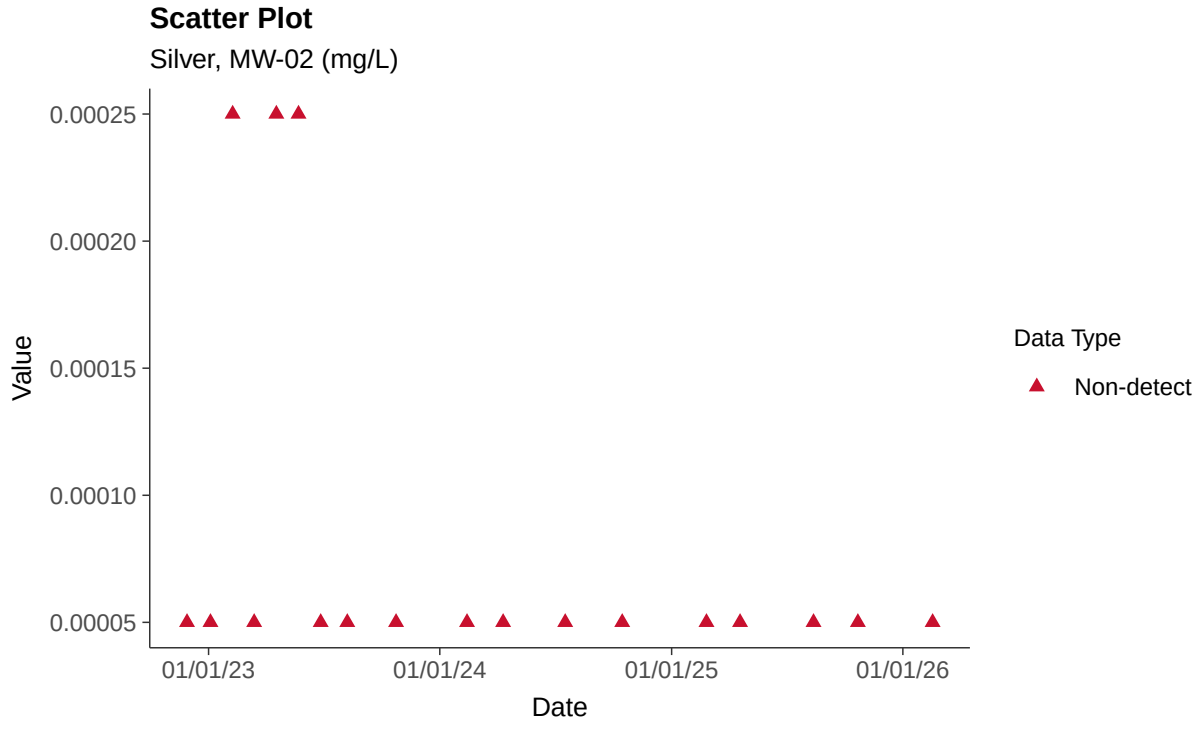
Trend Regression: Piecewise Linear-Linear-Linear

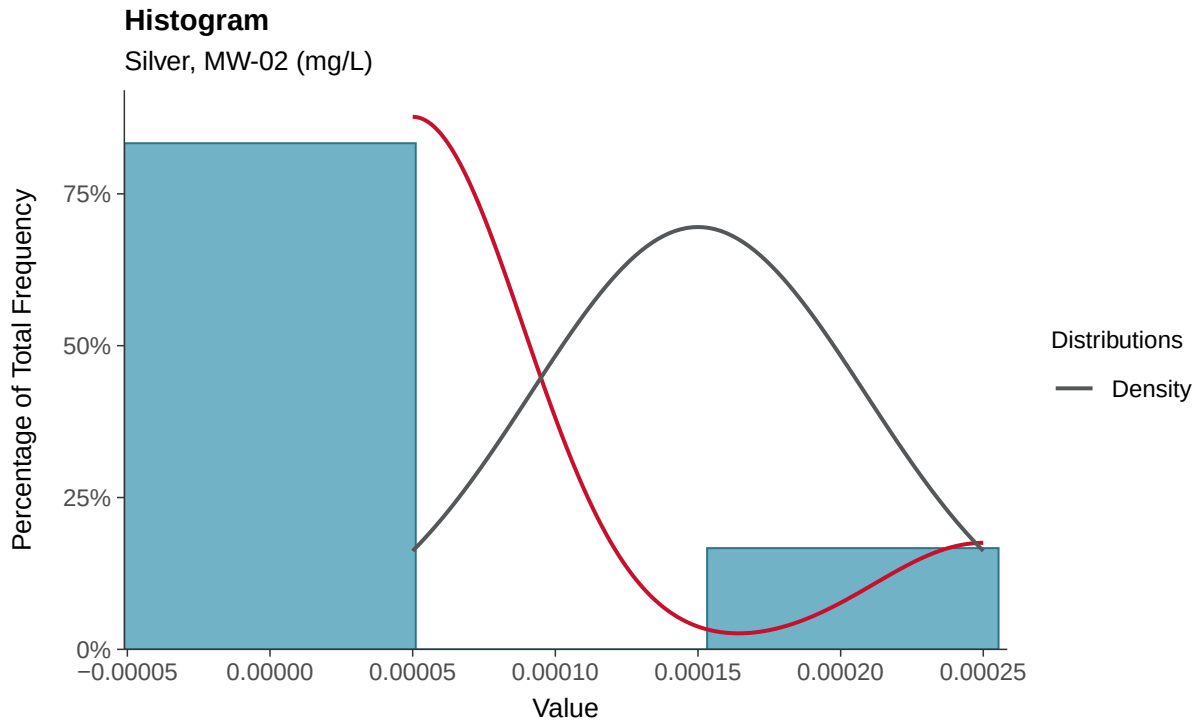
Nickel, MW-02 (mg/L)



Part 115: Silver, MW-02

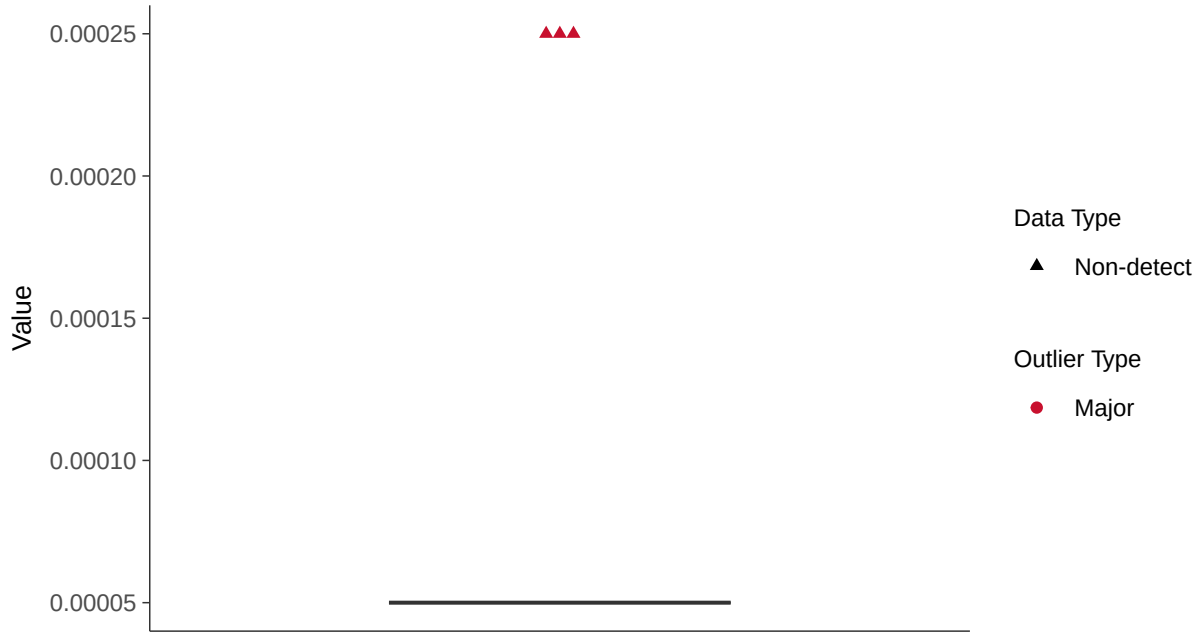
ID: 12_2_5_123





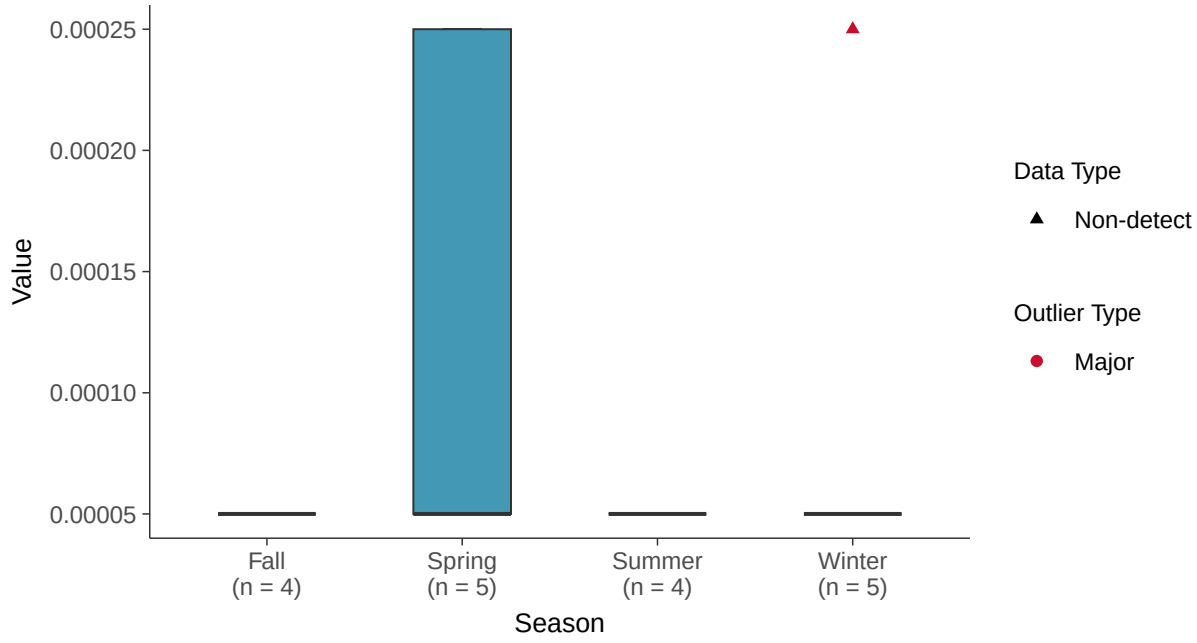
Boxplot

Silver, MW-02 (mg/L)



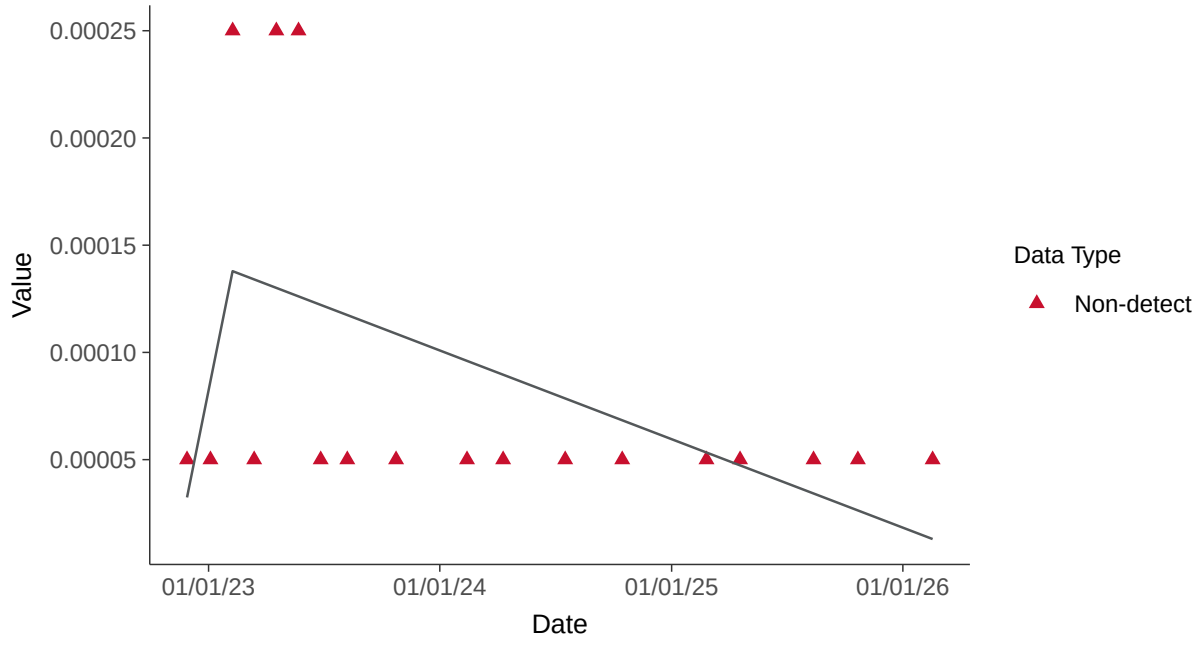
Boxplot by Season

Silver, MW-02 (mg/L)



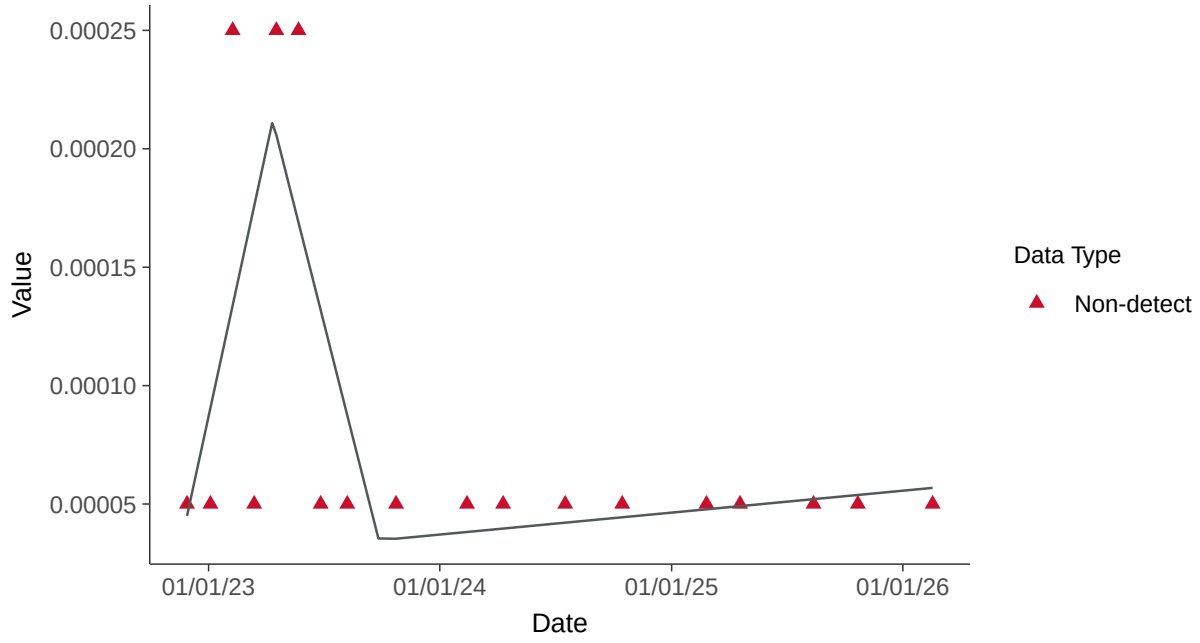
Trend Regression: Piecewise Linear-Linear

Silver, MW-02 (mg/L)



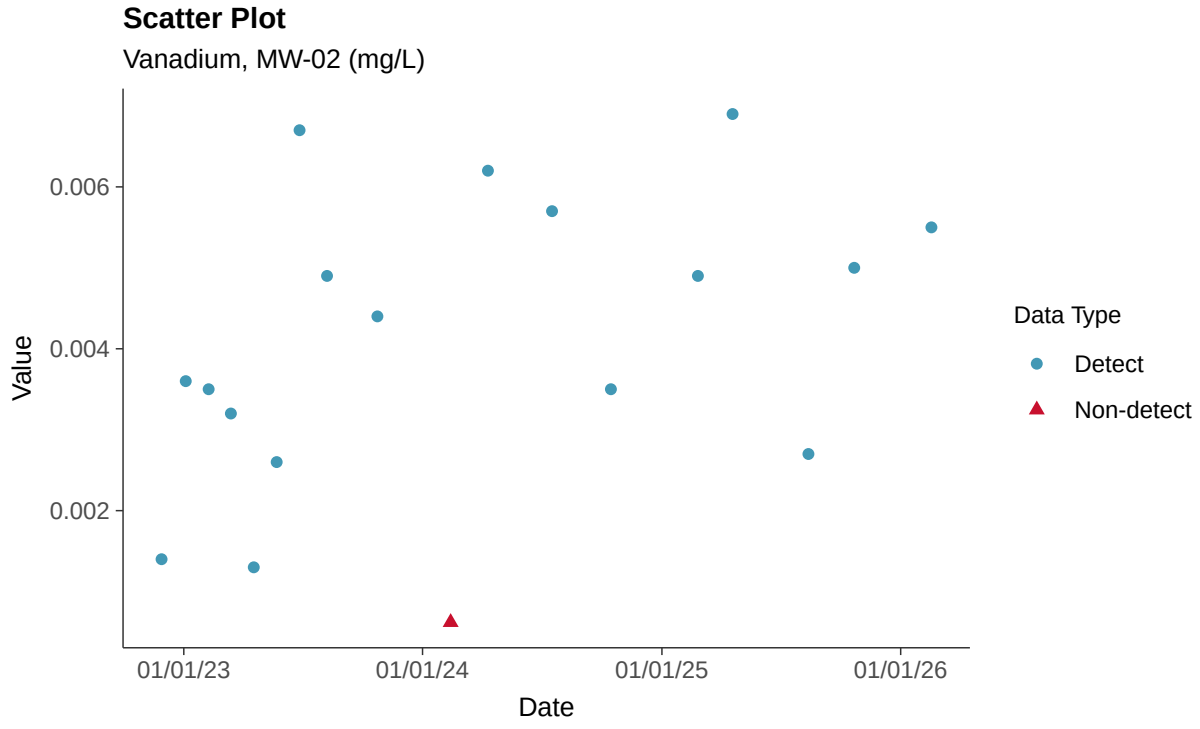
Trend Regression: Piecewise Linear-Linear-Linear

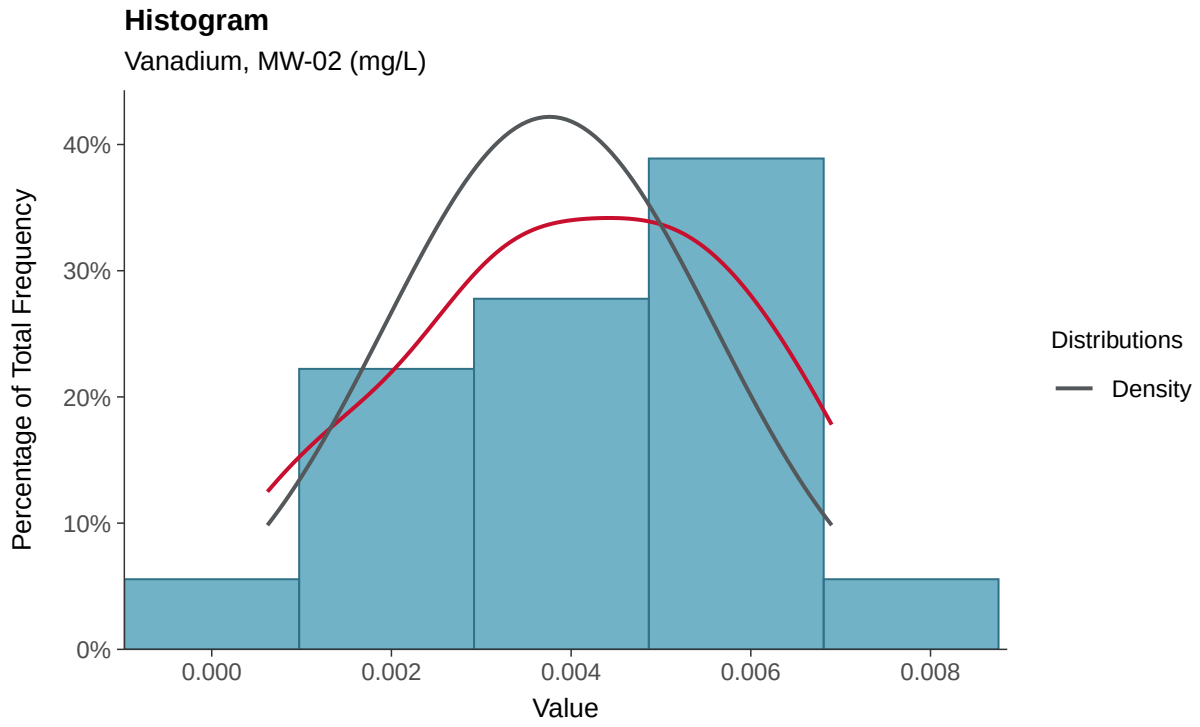
Silver, MW-02 (mg/L)



Part 115: Vanadium, MW-02

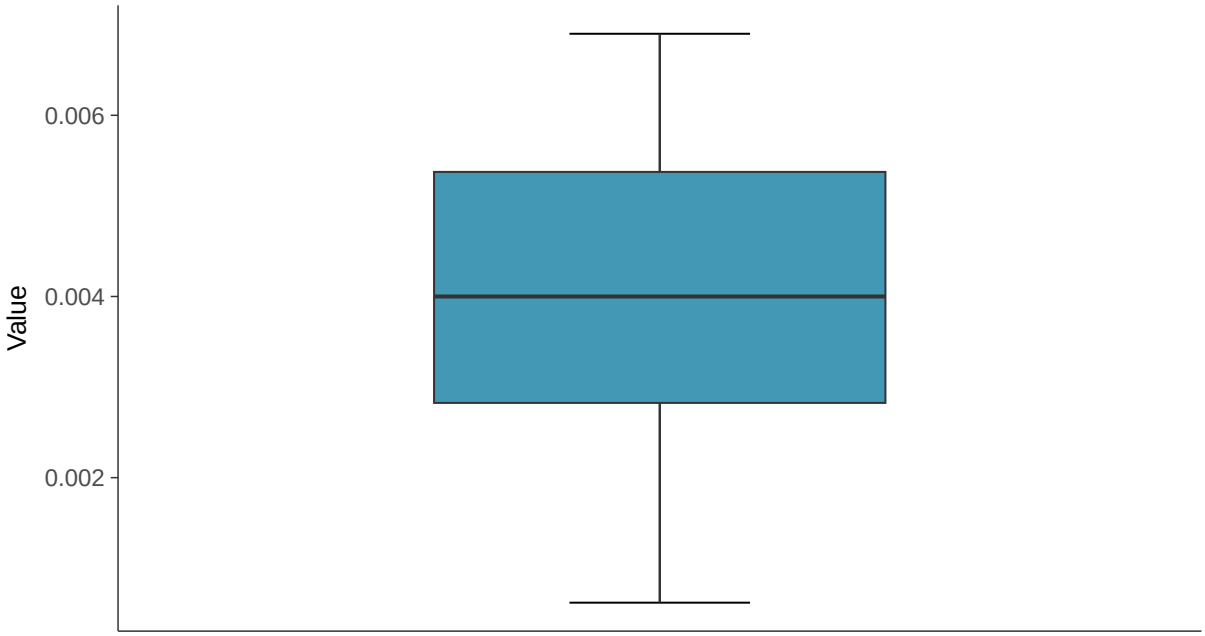
ID: 12_2_5_128





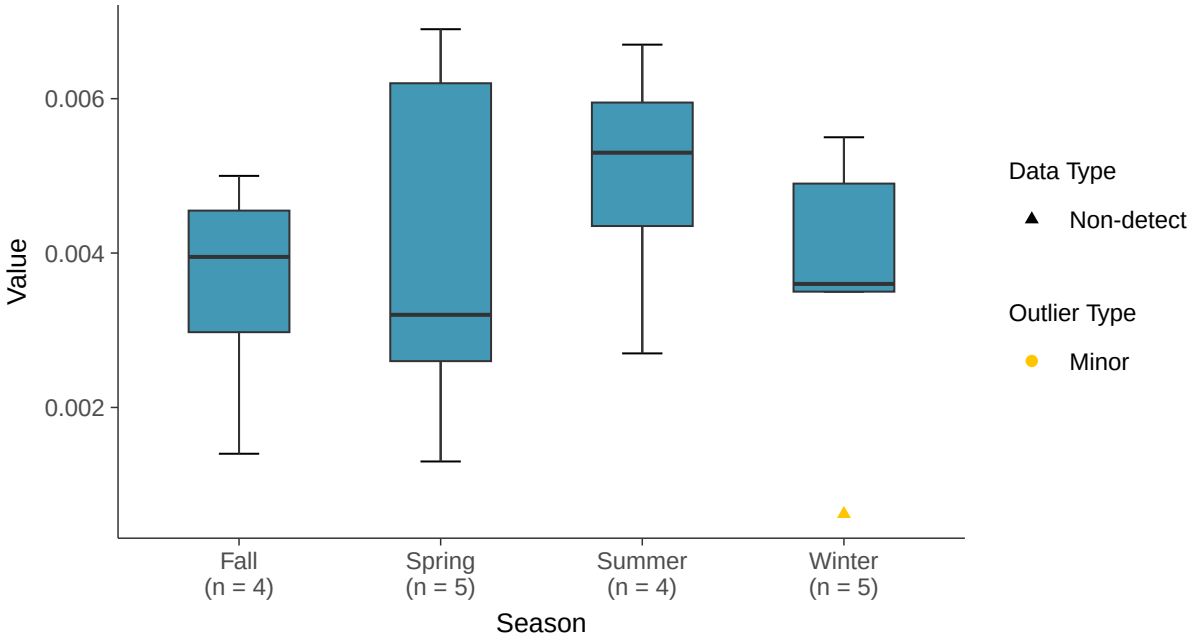
Boxplot

Vanadium, MW-02 (mg/L)



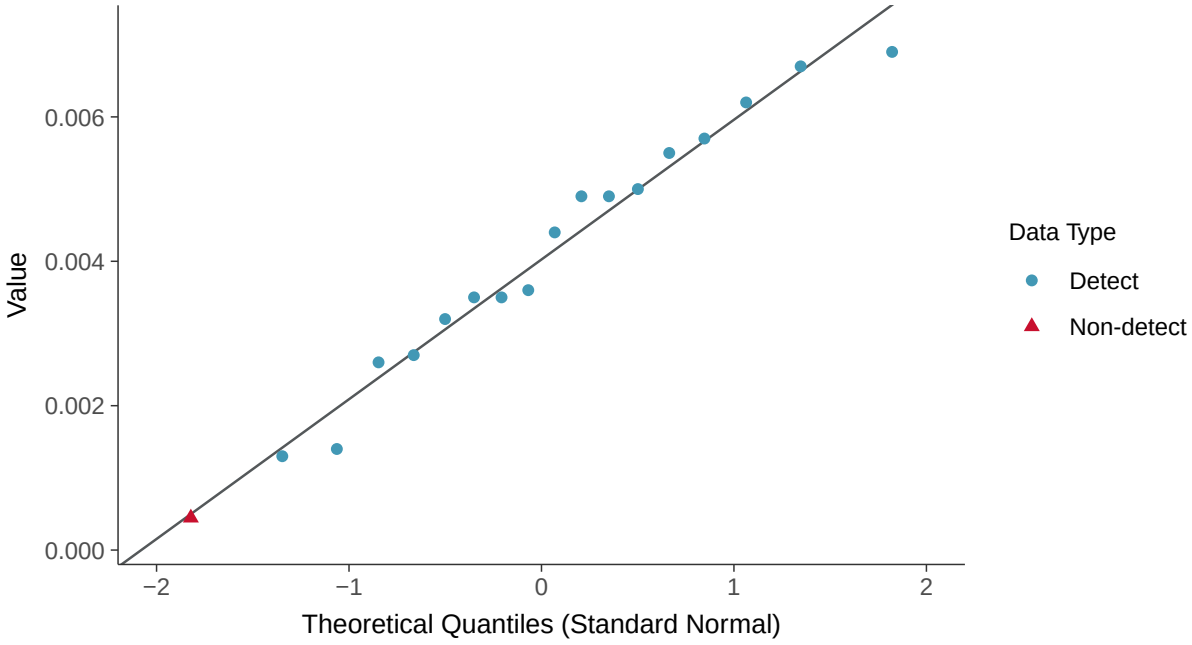
Boxplot by Season

Vanadium, MW-02 (mg/L)



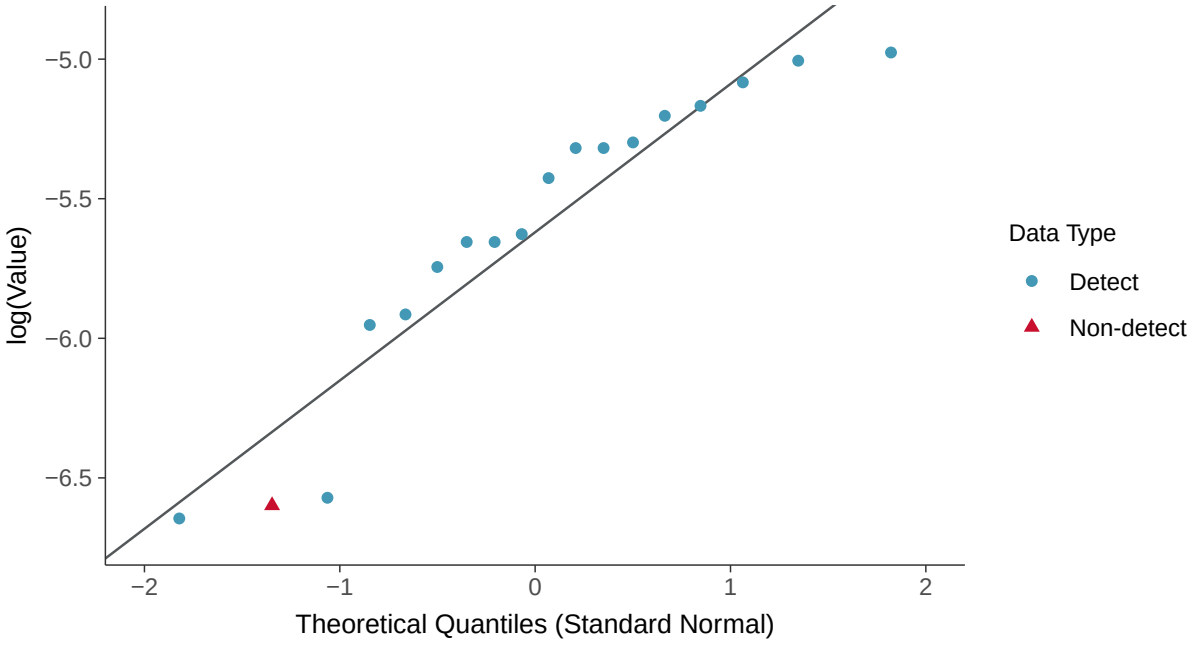
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-02 (mg/L)



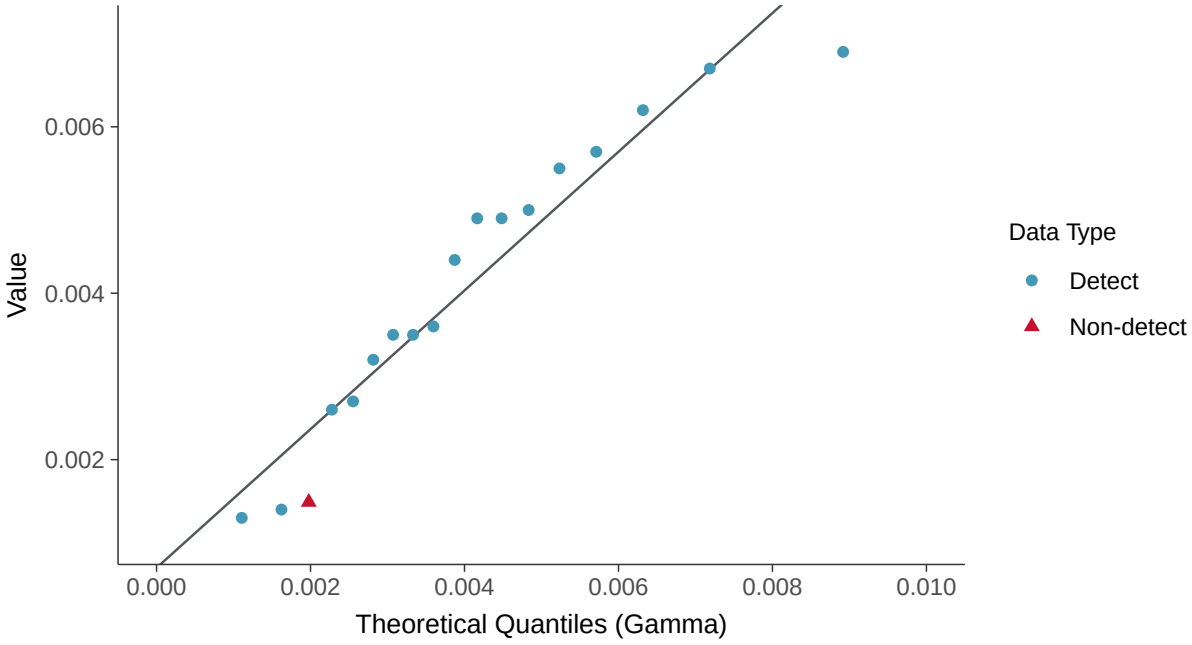
Lognormal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-02 (mg/L)



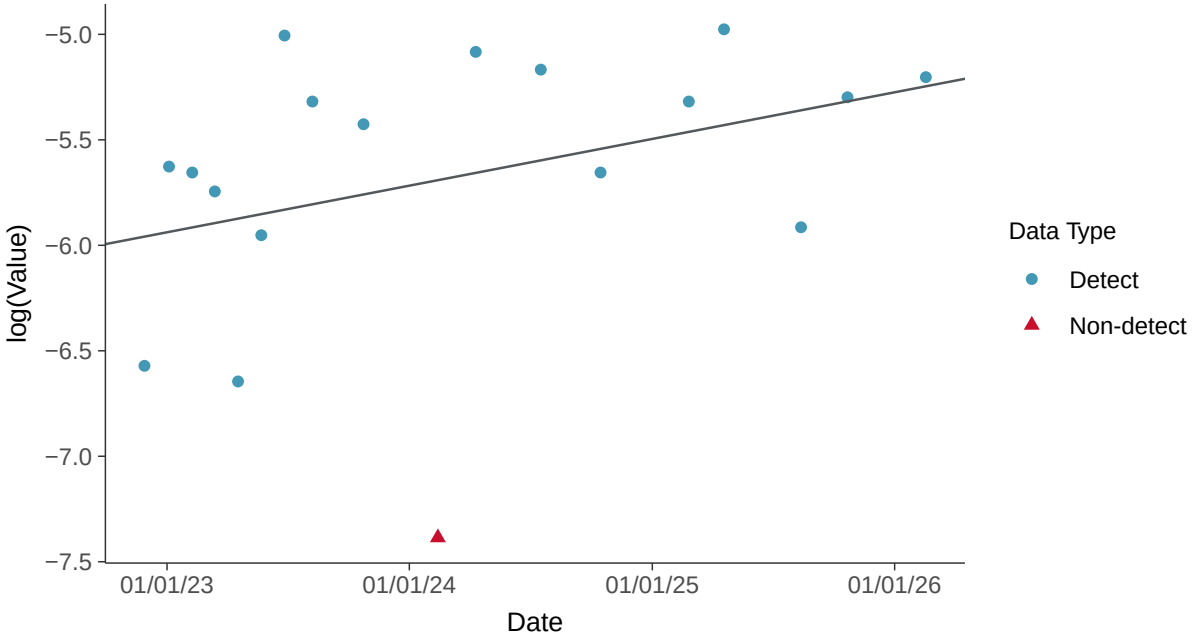
Gamma Q-Q plot using ROS Imputed Estimates

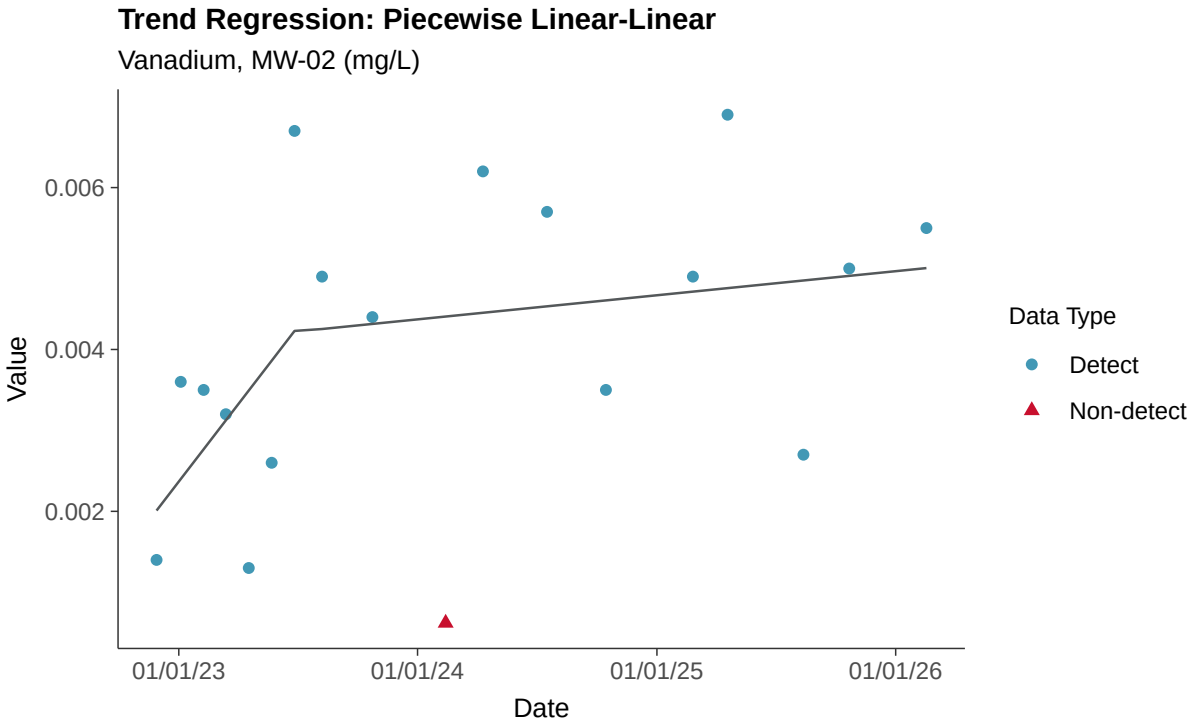
Vanadium, MW-02 (mg/L)



Trend Regression: Lognormal MLE

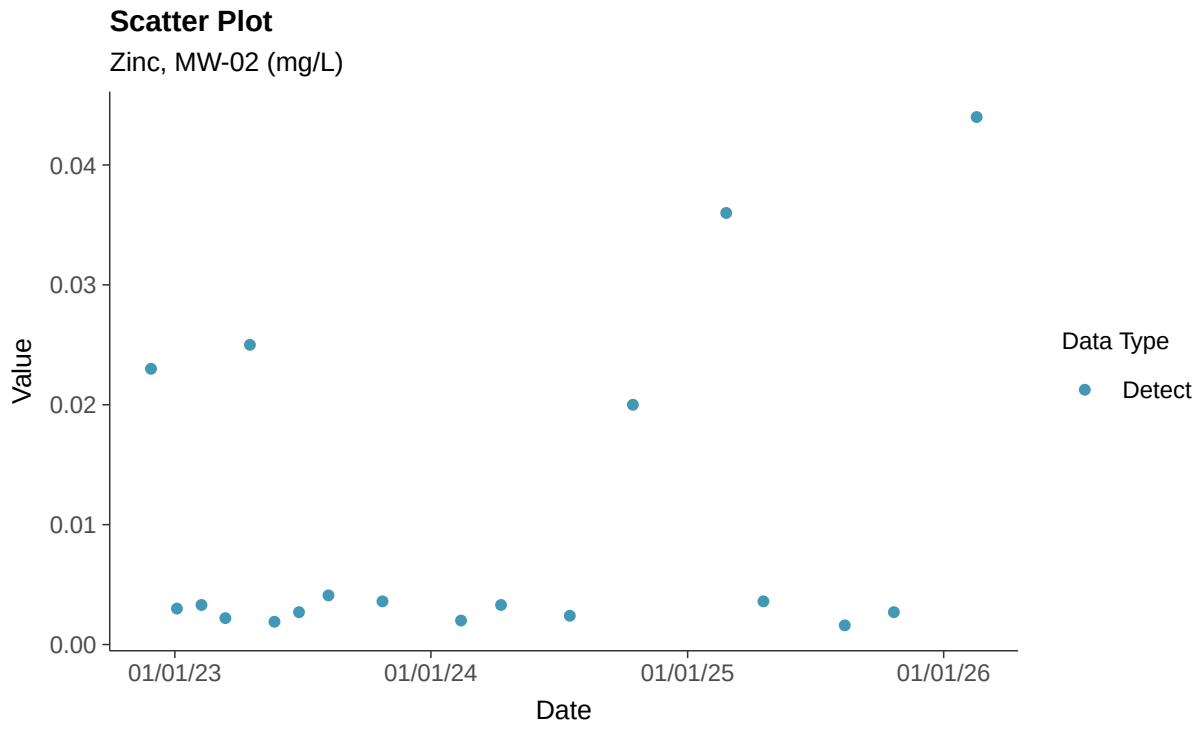
Vanadium, MW-02 (mg/L)

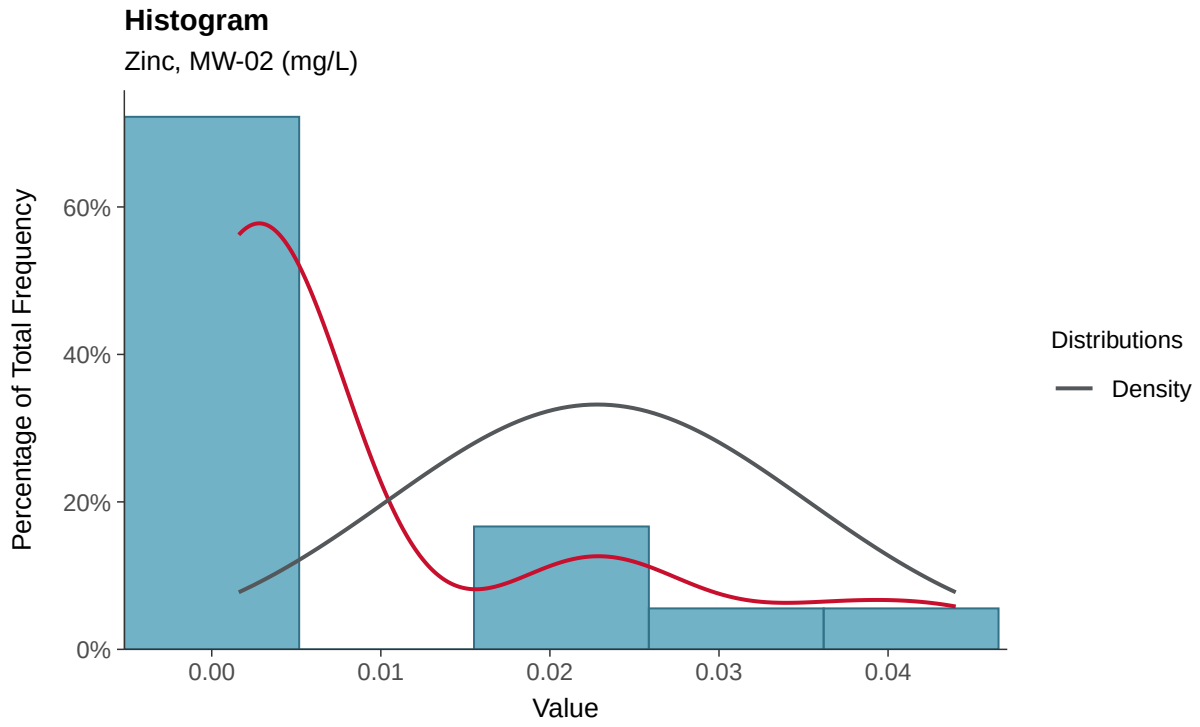



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-02 (mg/L)
Value
0.006
0.004
0.002
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Zinc, MW-02

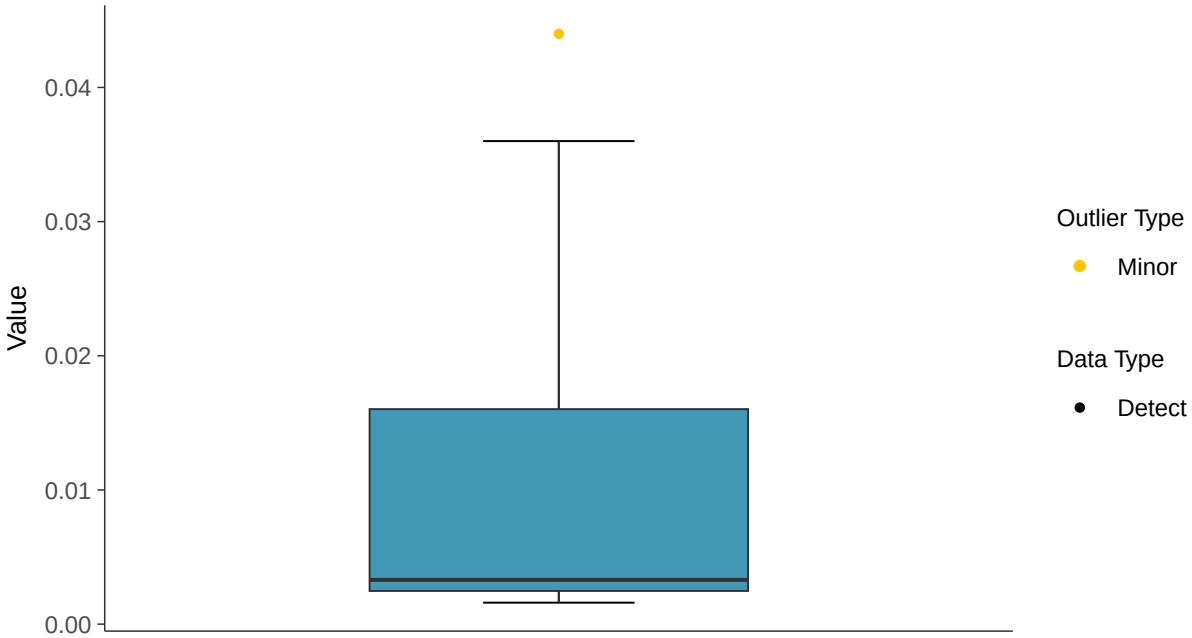
ID: 12_2_5_129





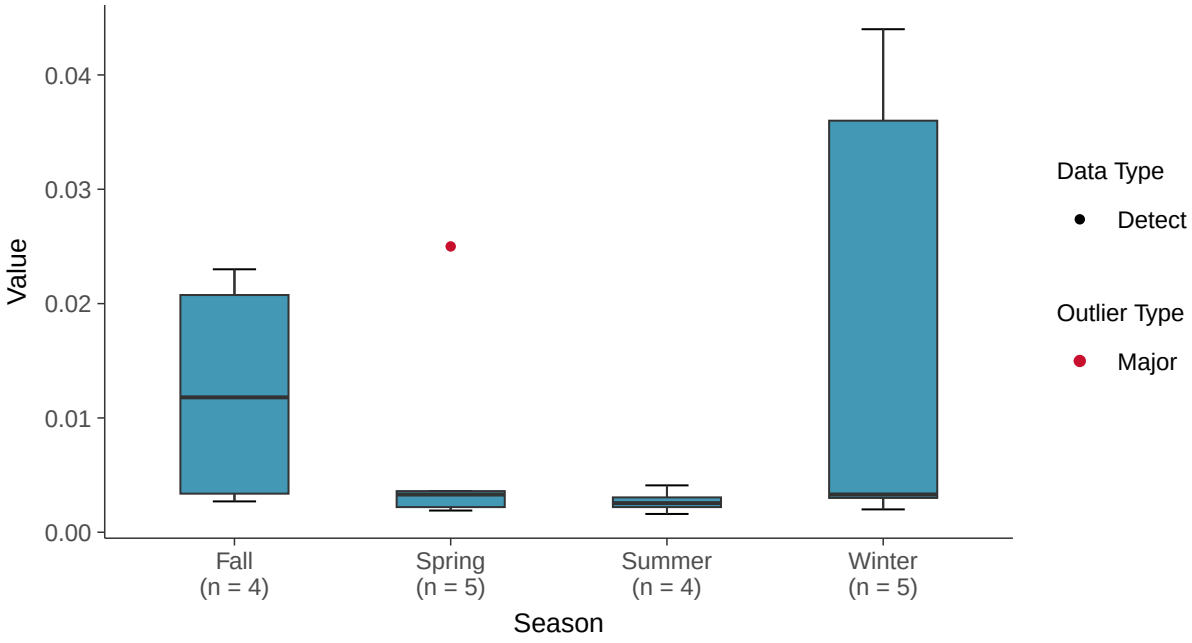
Boxplot

Zinc, MW-02 (mg/L)



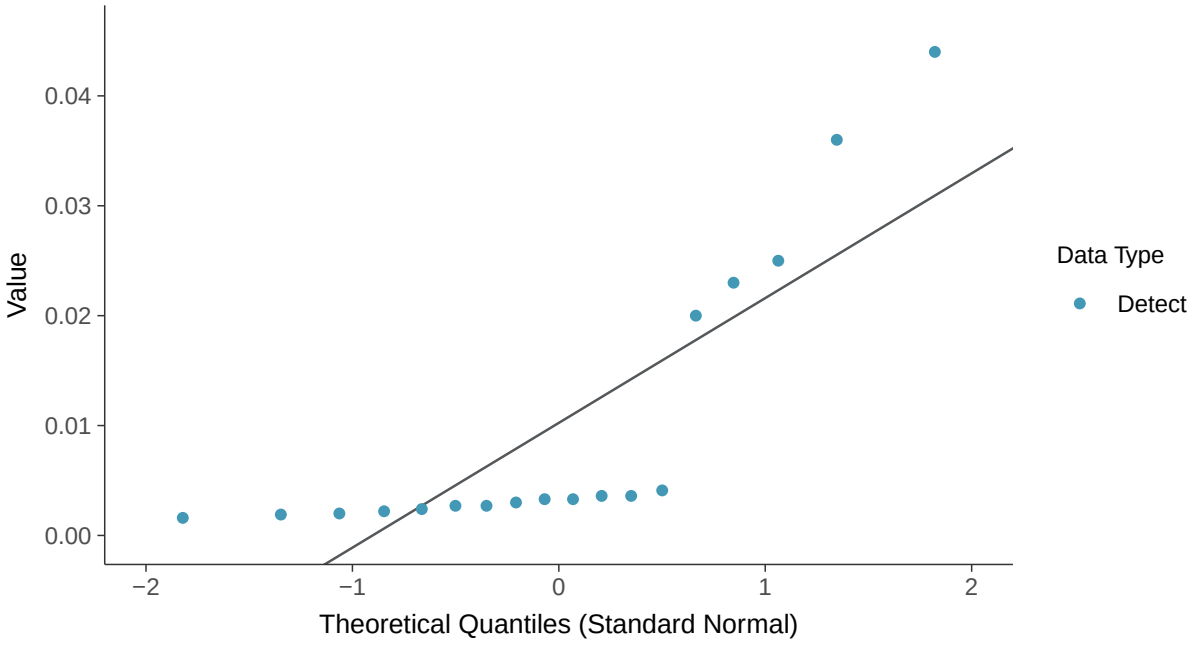
Boxplot by Season

Zinc, MW-02 (mg/L)



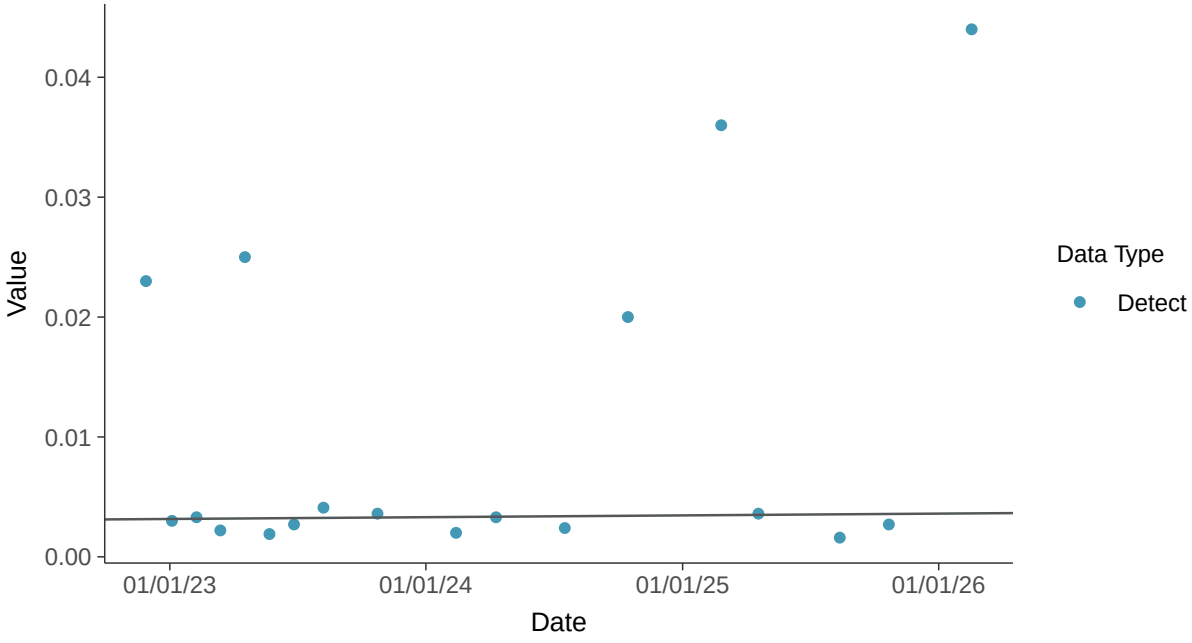
Normal Q-Q plot

Zinc, MW-02 (mg/L)



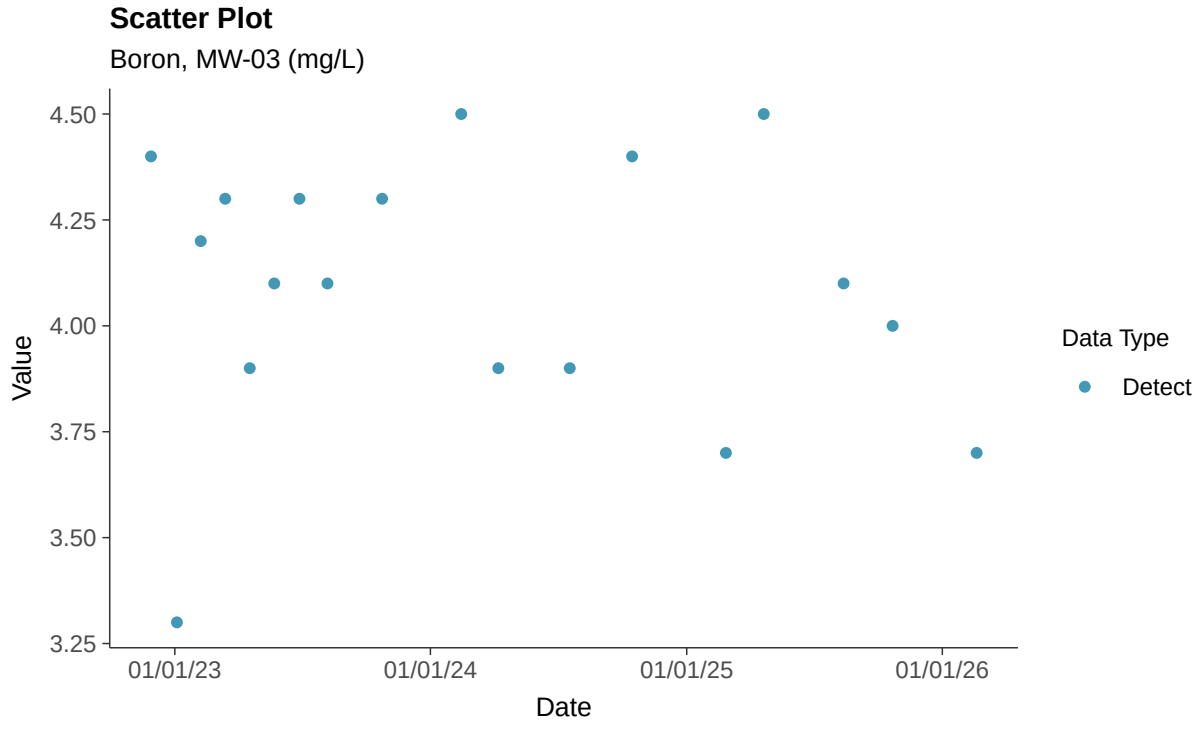
Trend Regression: Mann-Kendall/Theil-Sen Estimate

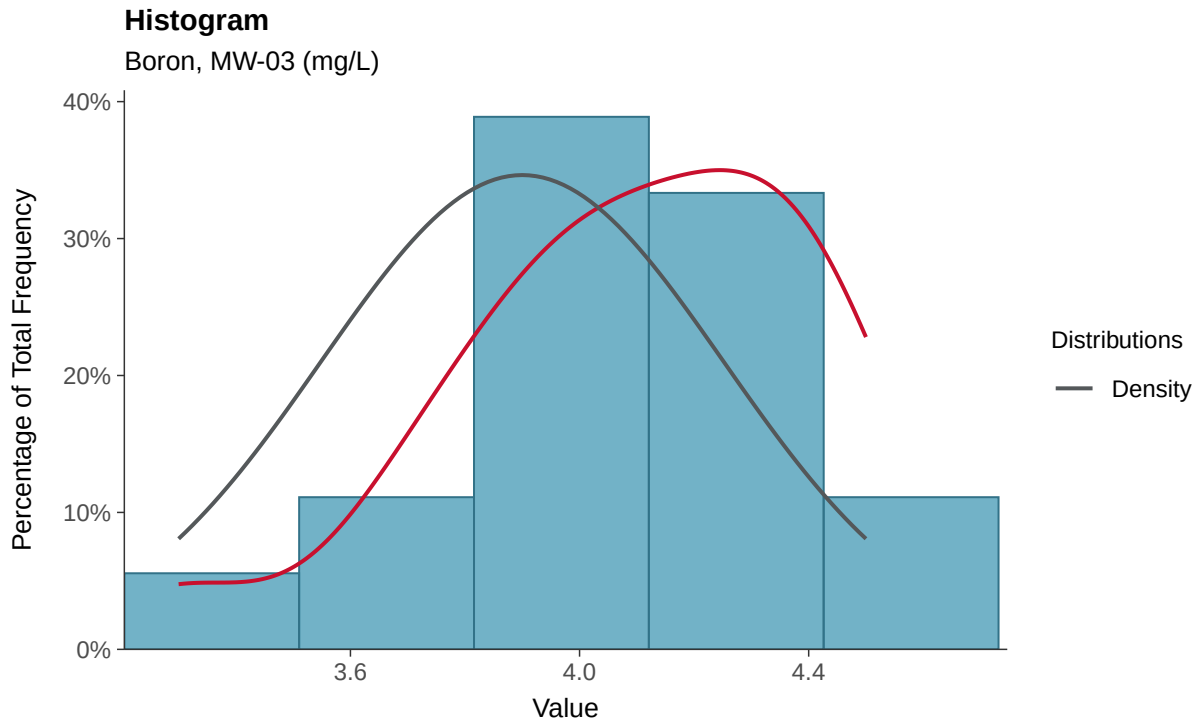
Zinc, MW-02 (mg/L)



Appendix III: Boron, MW-03

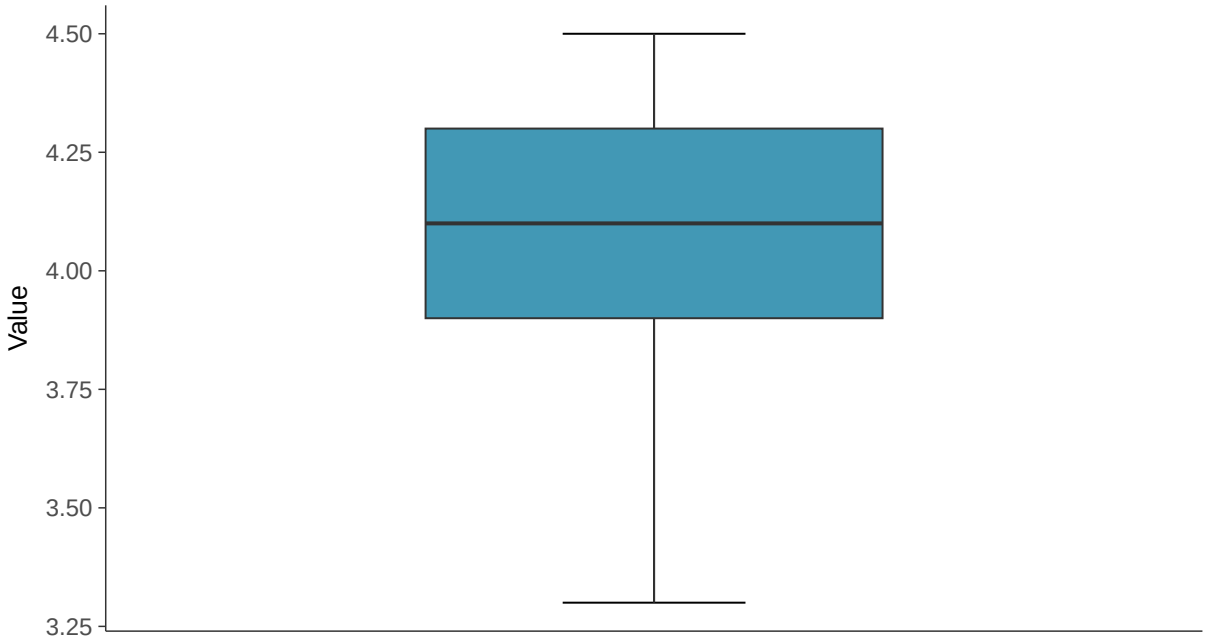
ID: 13_2_3_105





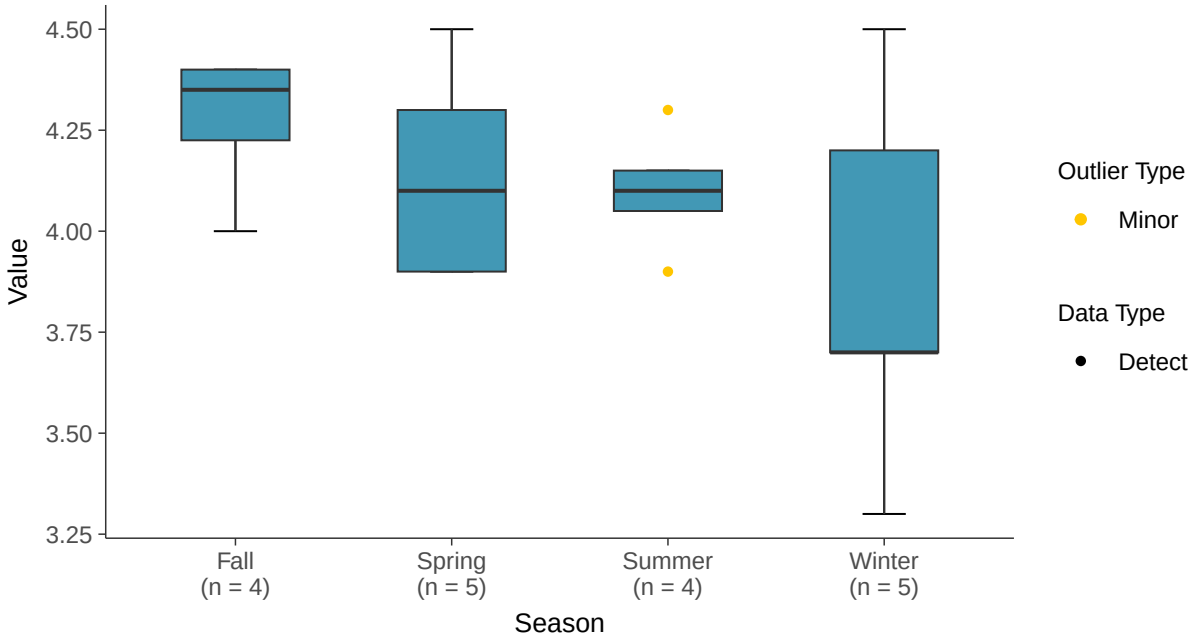
Boxplot

Boron, MW-03 (mg/L)



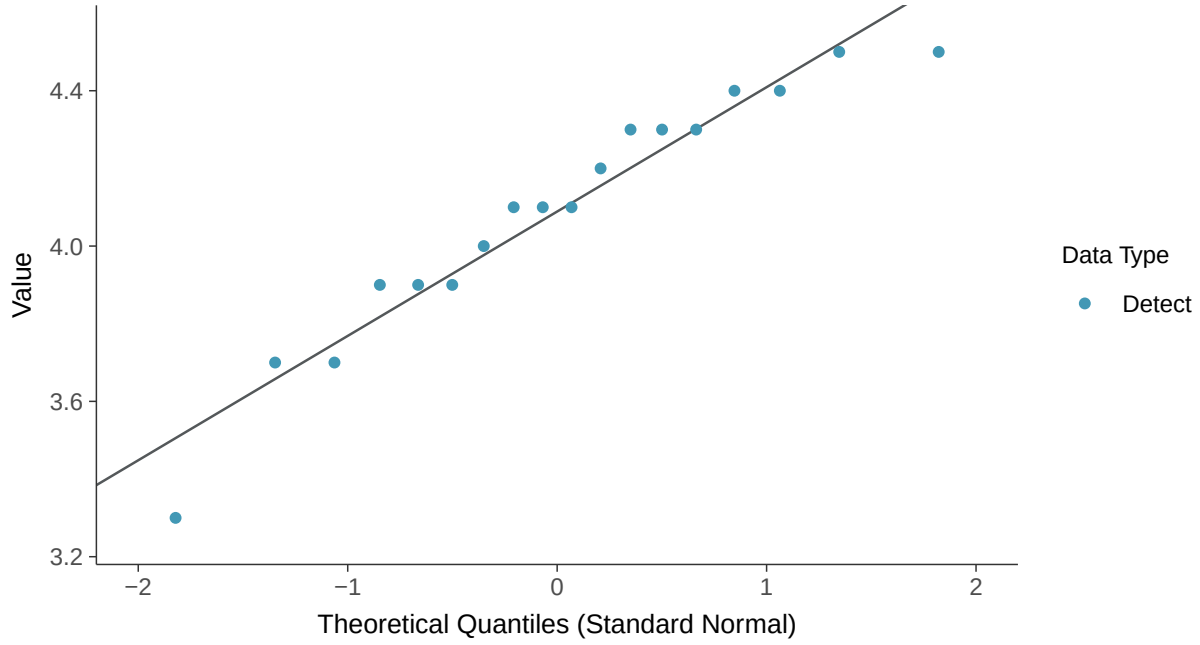
Boxplot by Season

Boron, MW-03 (mg/L)



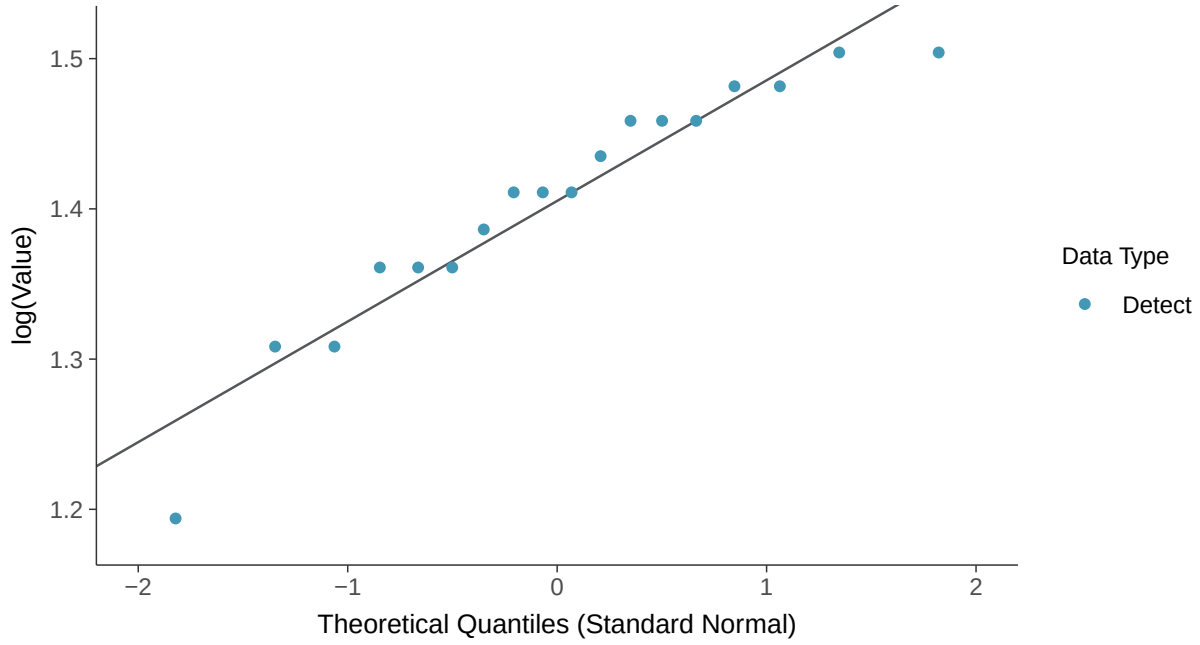
Normal Q-Q plot

Boron, MW-03 (mg/L)



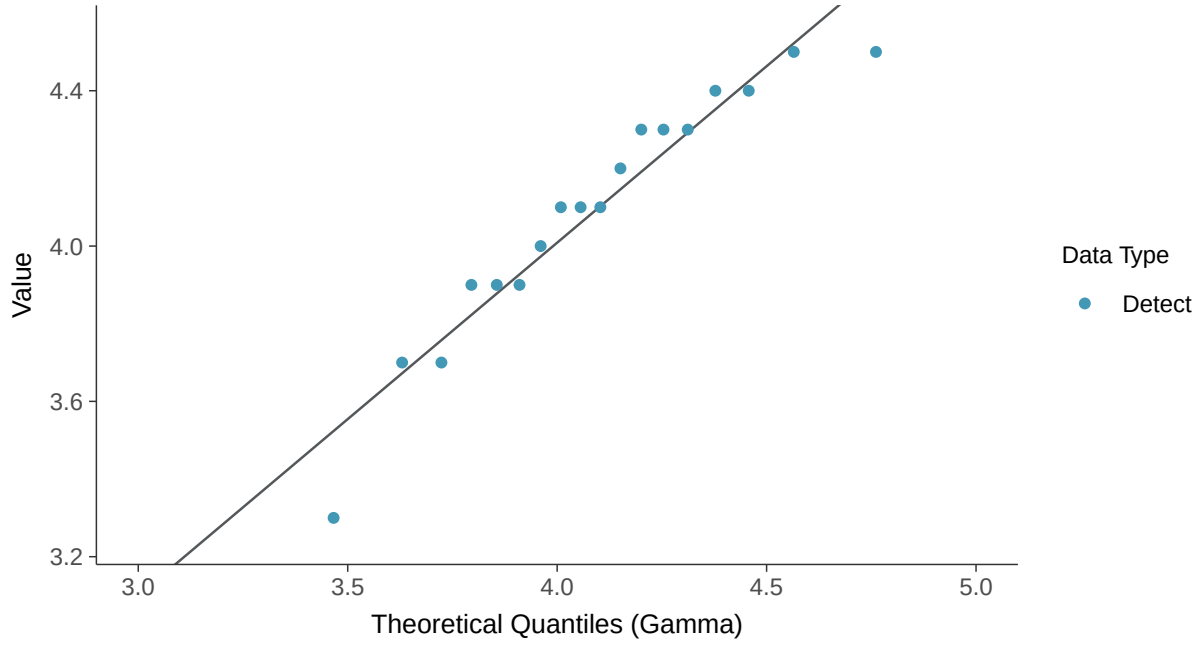
Lognormal Q-Q plot

Boron, MW-03 (mg/L)



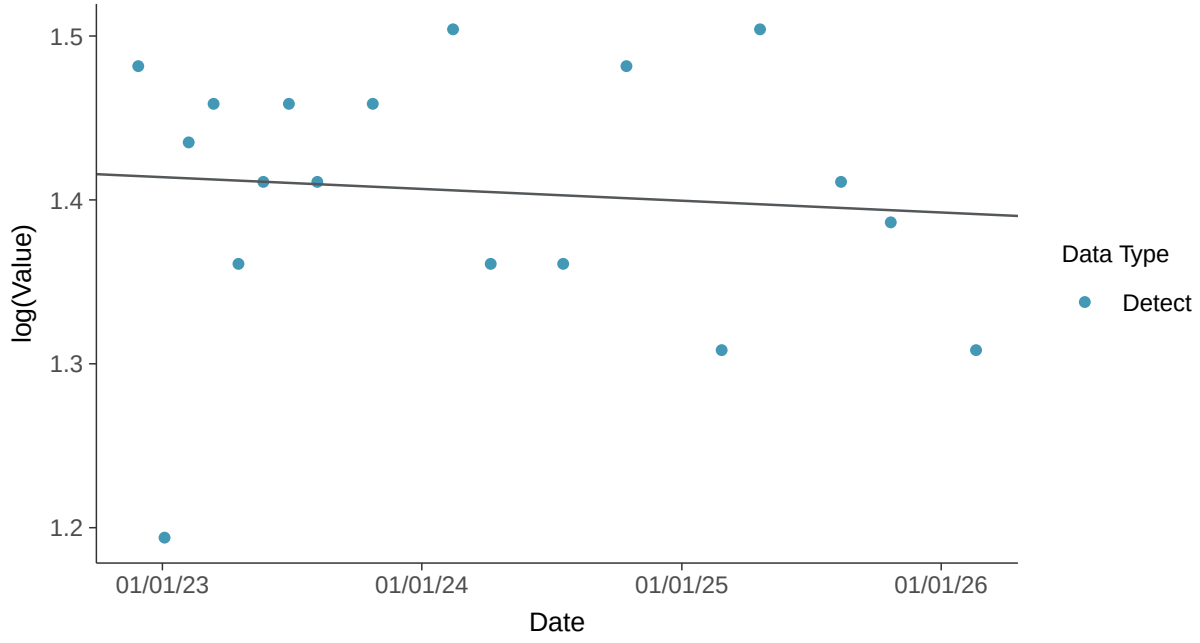
Gamma Q-Q plot

Boron, MW-03 (mg/L)



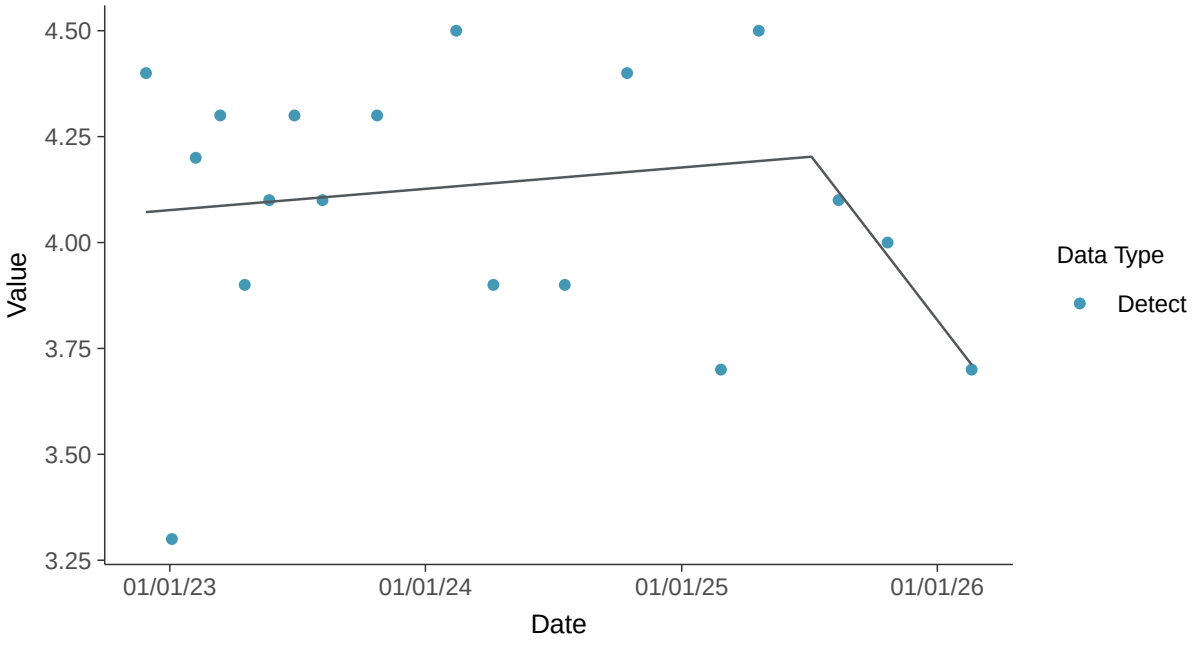
Trend Regression: Lognormal MLE

Boron, MW-03 (mg/L)



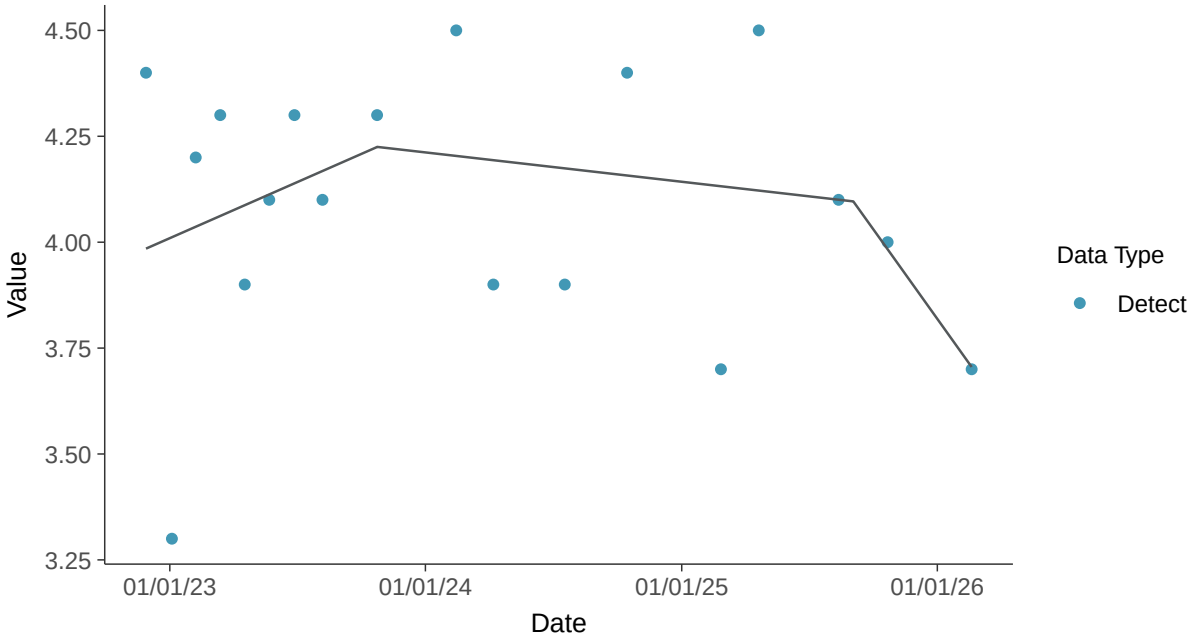
Trend Regression: Piecewise Linear-Linear

Boron, MW-03 (mg/L)



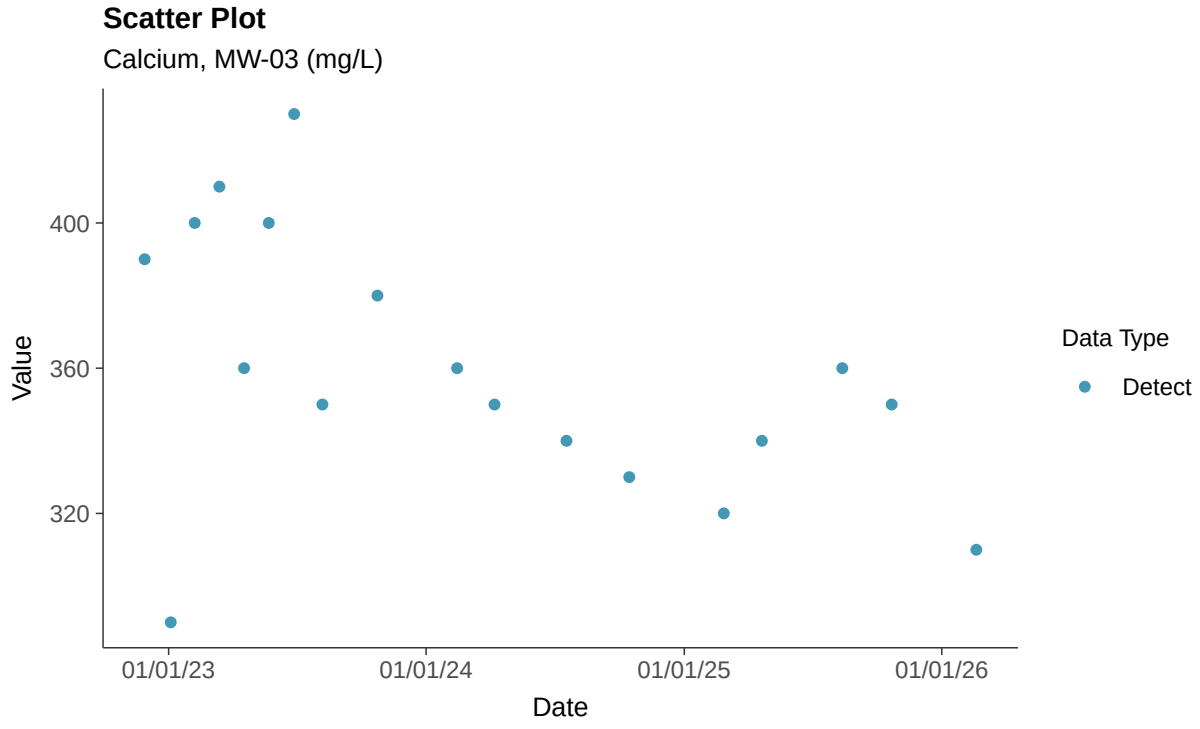
Trend Regression: Piecewise Linear-Linear-Linear

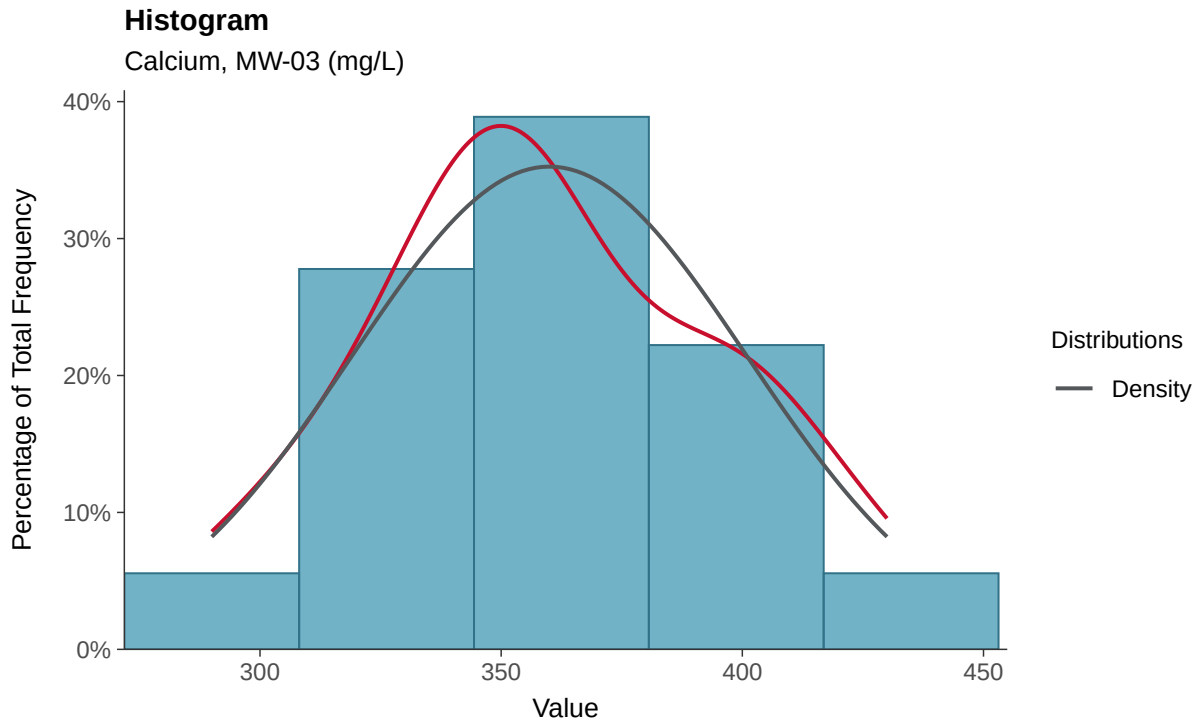
Boron, MW-03 (mg/L)



Appendix III: Calcium, MW-03

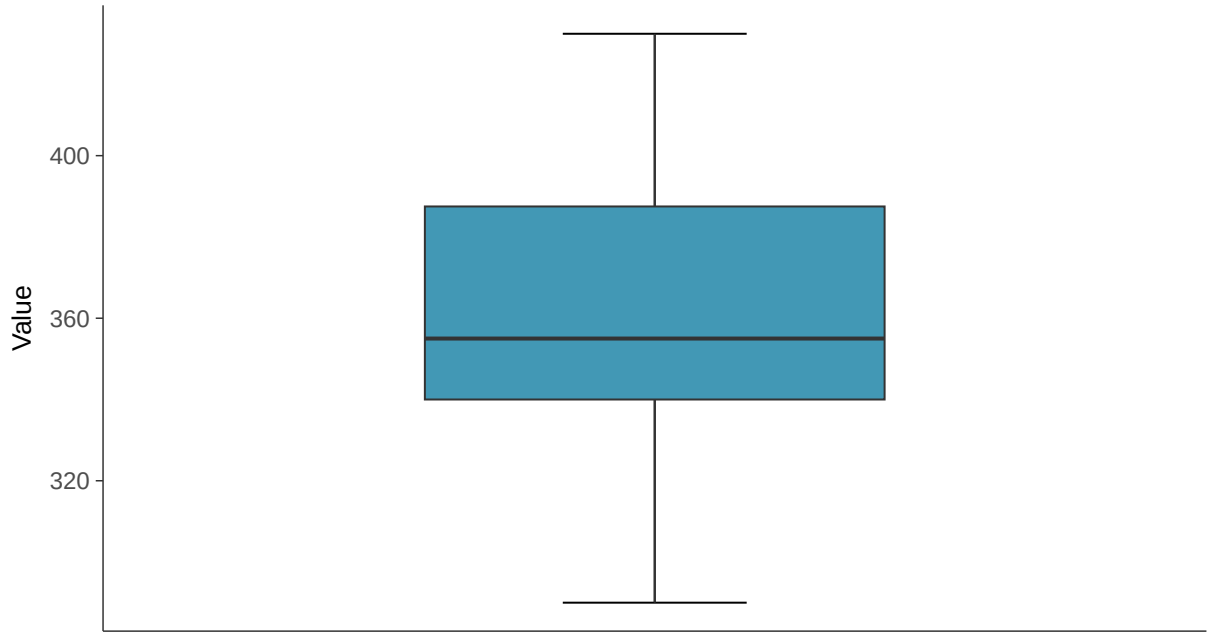
ID: 13_2_3_107





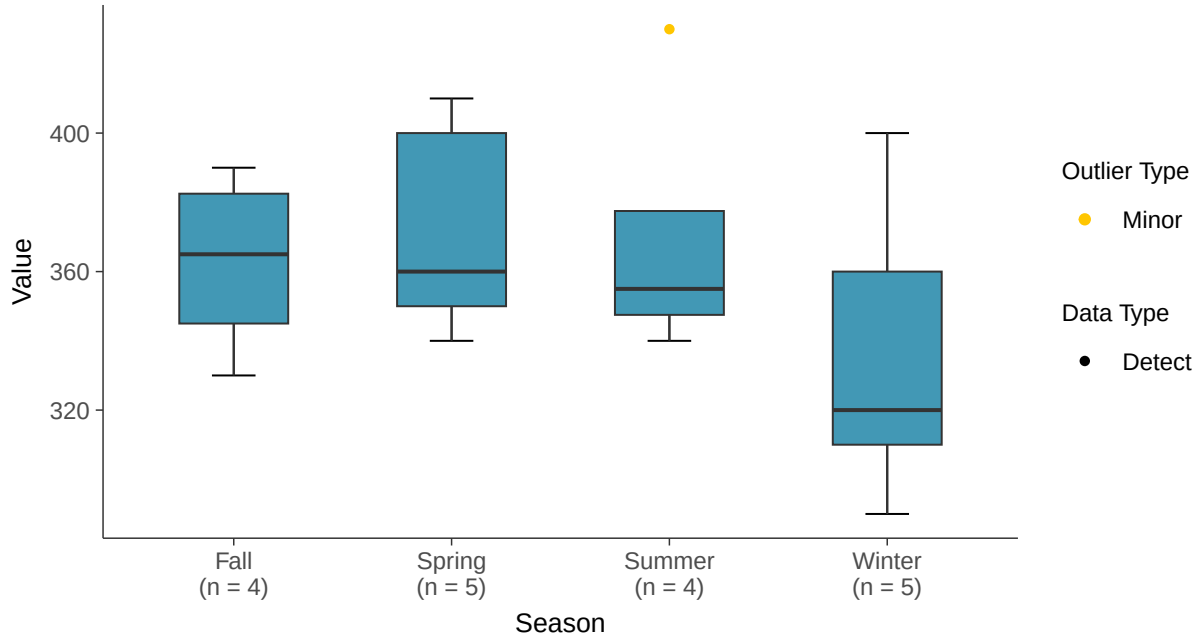
Boxplot

Calcium, MW-03 (mg/L)



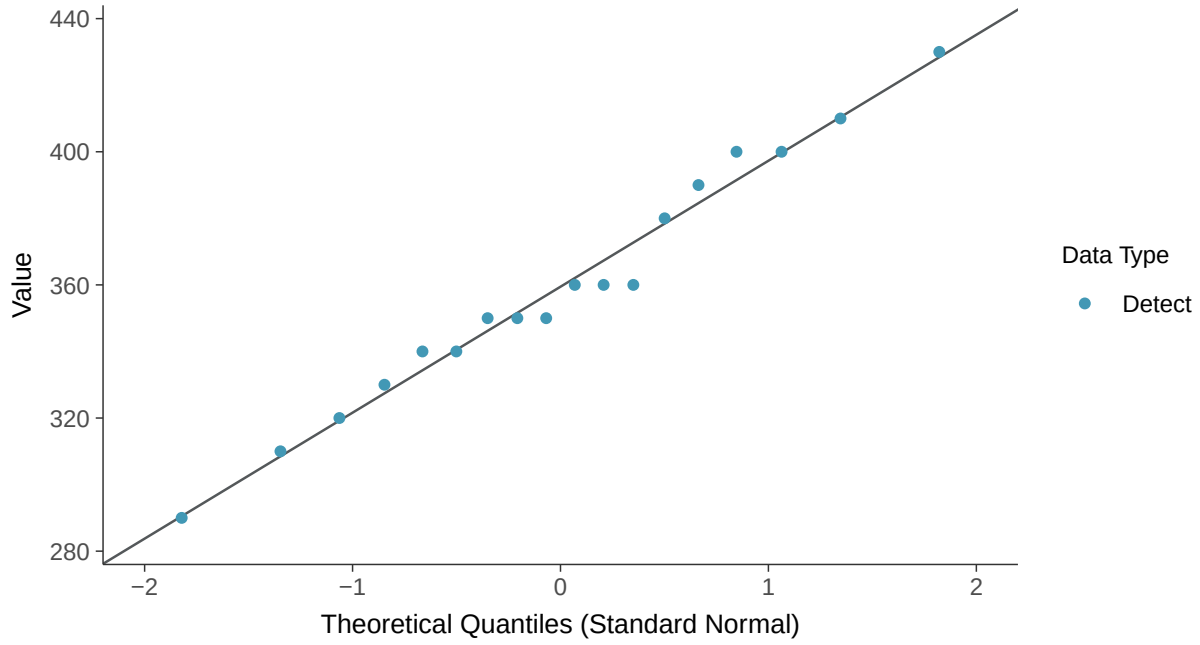
Boxplot by Season

Calcium, MW-03 (mg/L)



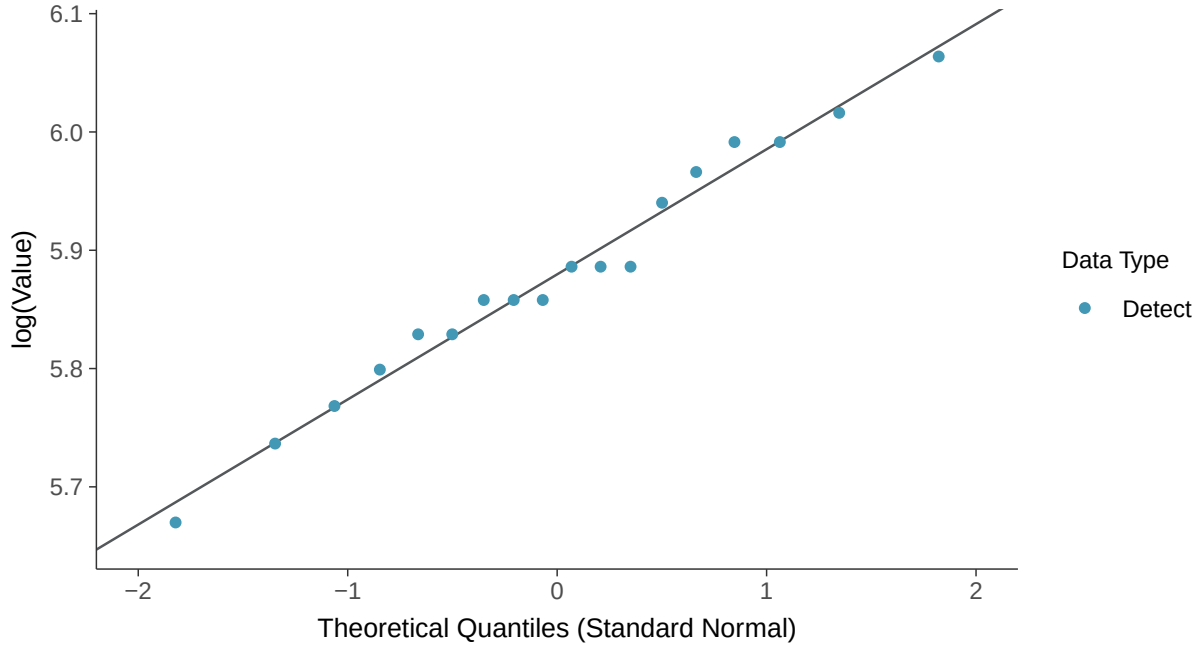
Normal Q-Q plot

Calcium, MW-03 (mg/L)



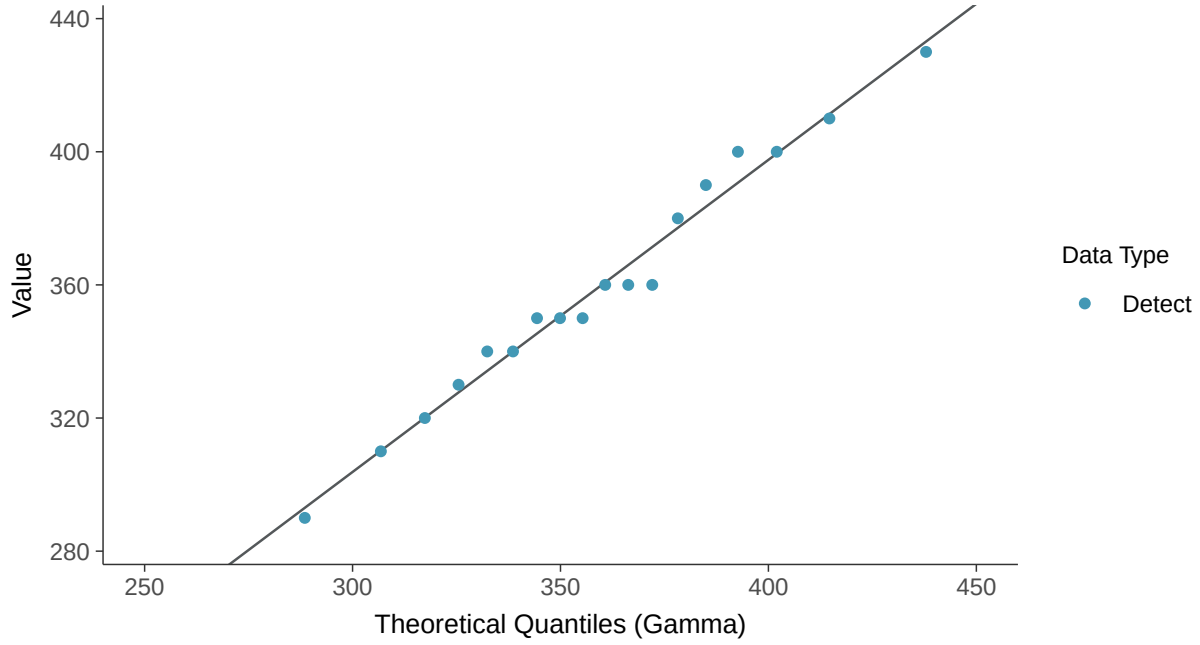
Lognormal Q-Q plot

Calcium, MW-03 (mg/L)



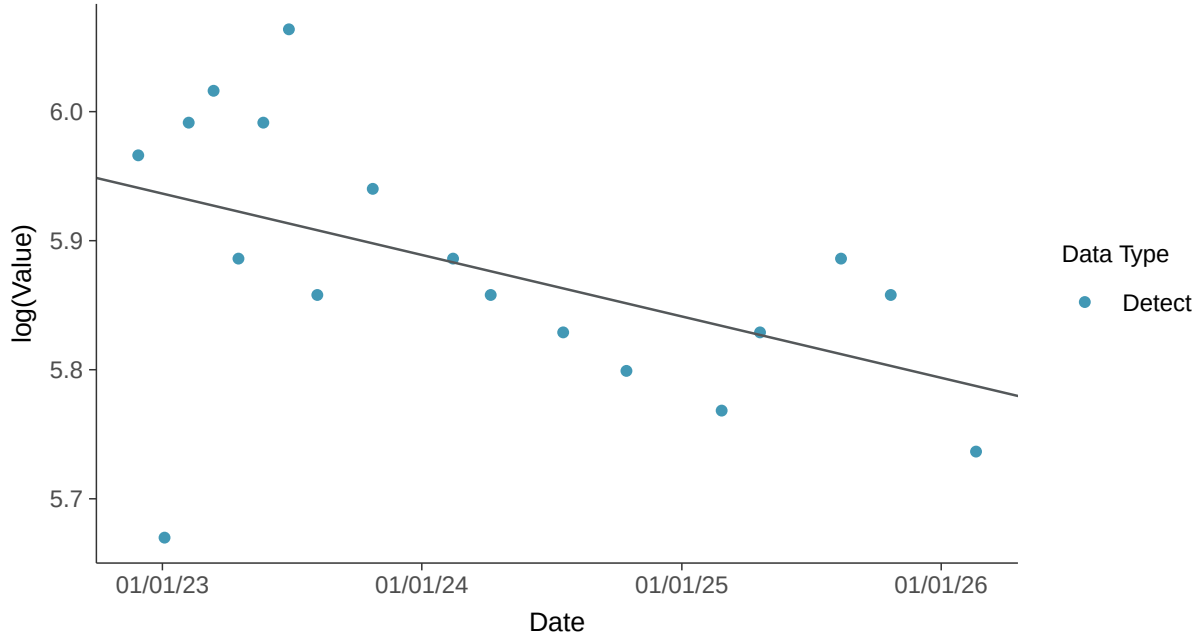
Gamma Q-Q plot

Calcium, MW-03 (mg/L)



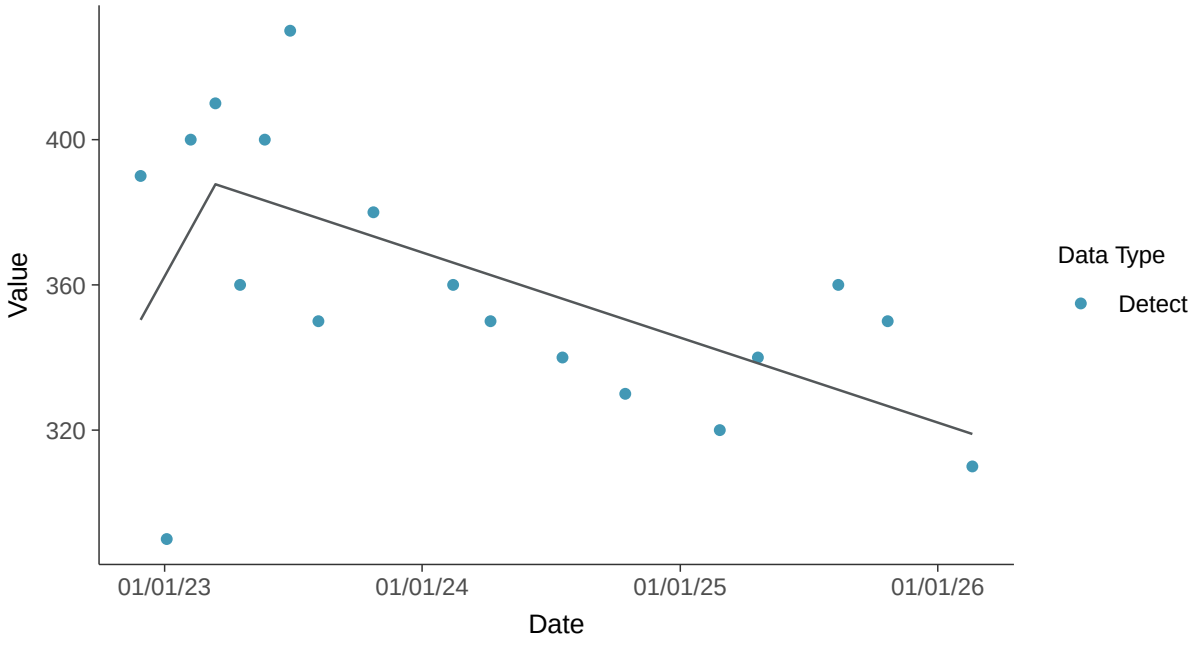
Trend Regression: Lognormal MLE

Calcium, MW-03 (mg/L)



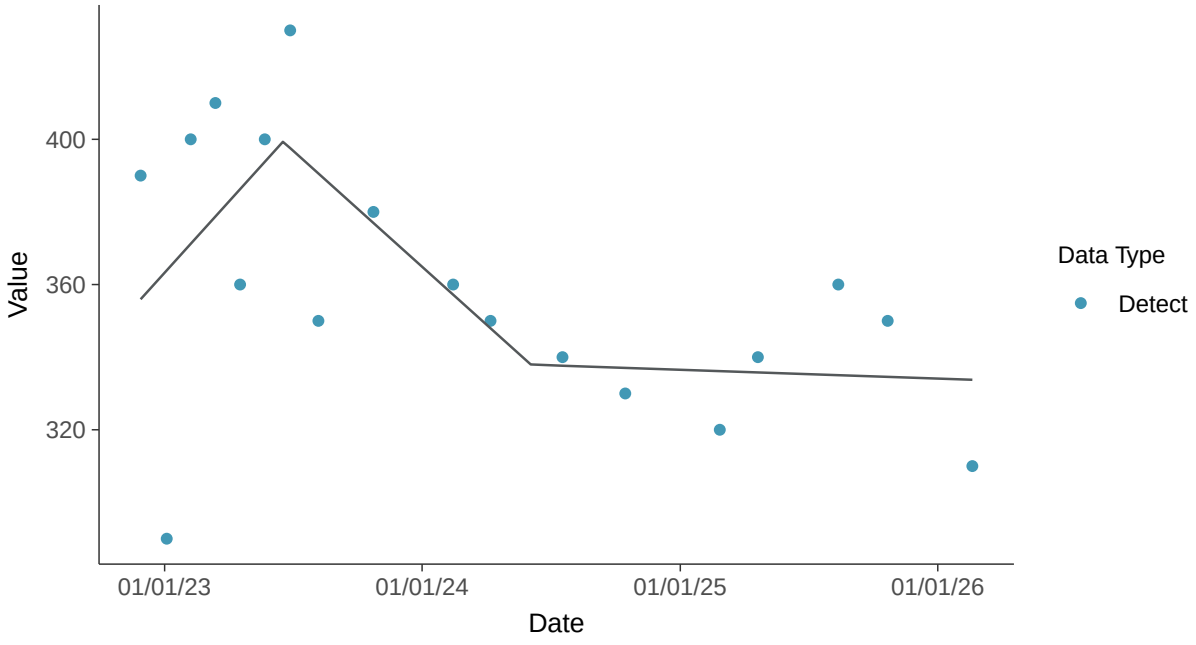
Trend Regression: Piecewise Linear-Linear

Calcium, MW-03 (mg/L)



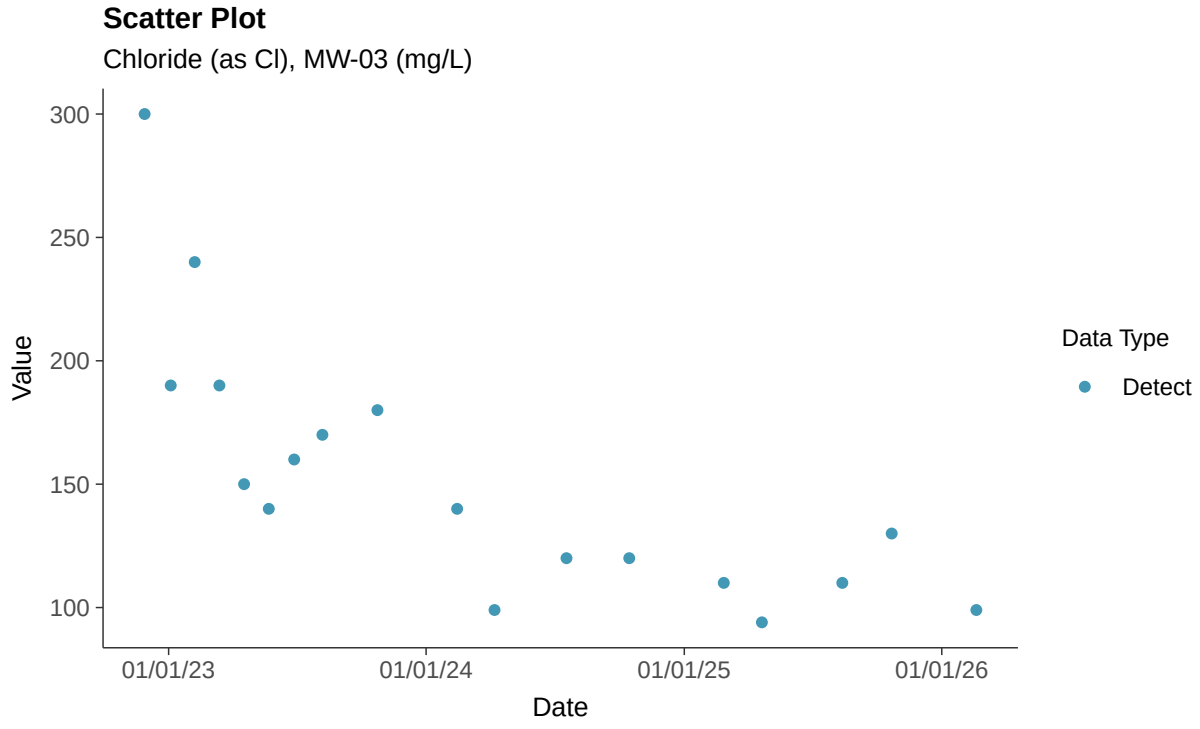
Trend Regression: Piecewise Linear-Linear-Linear

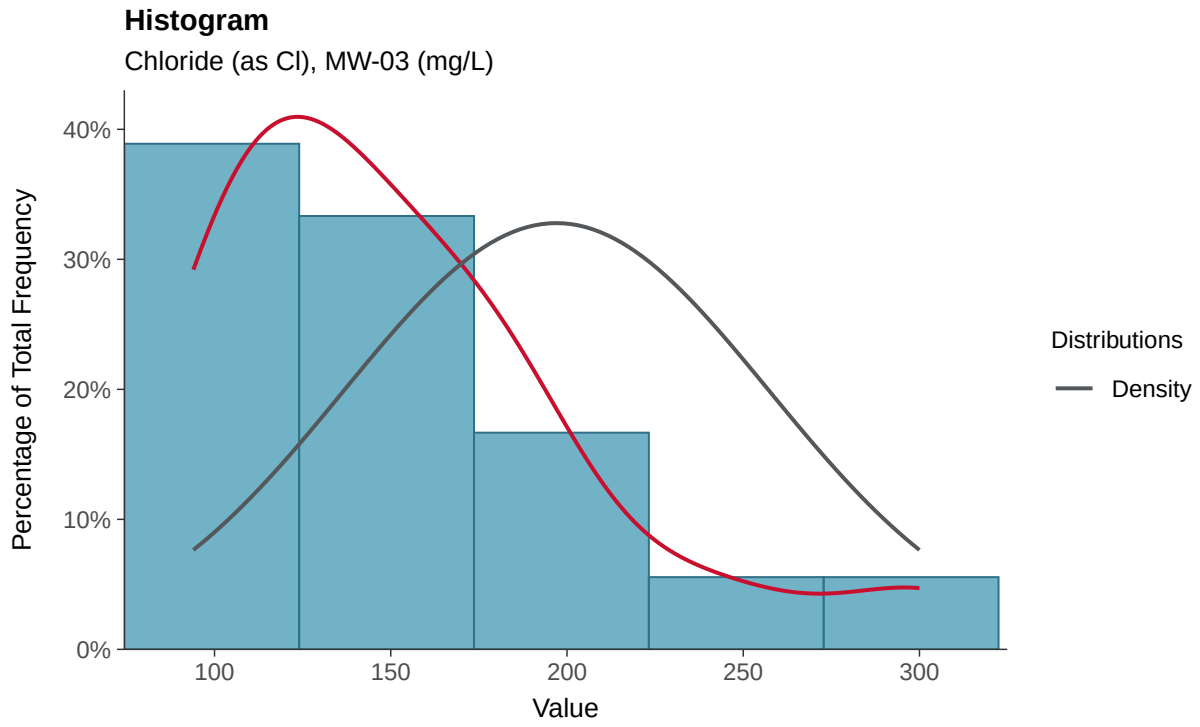
Calcium, MW-03 (mg/L)



Appendix III: Chloride (as Cl), MW-03

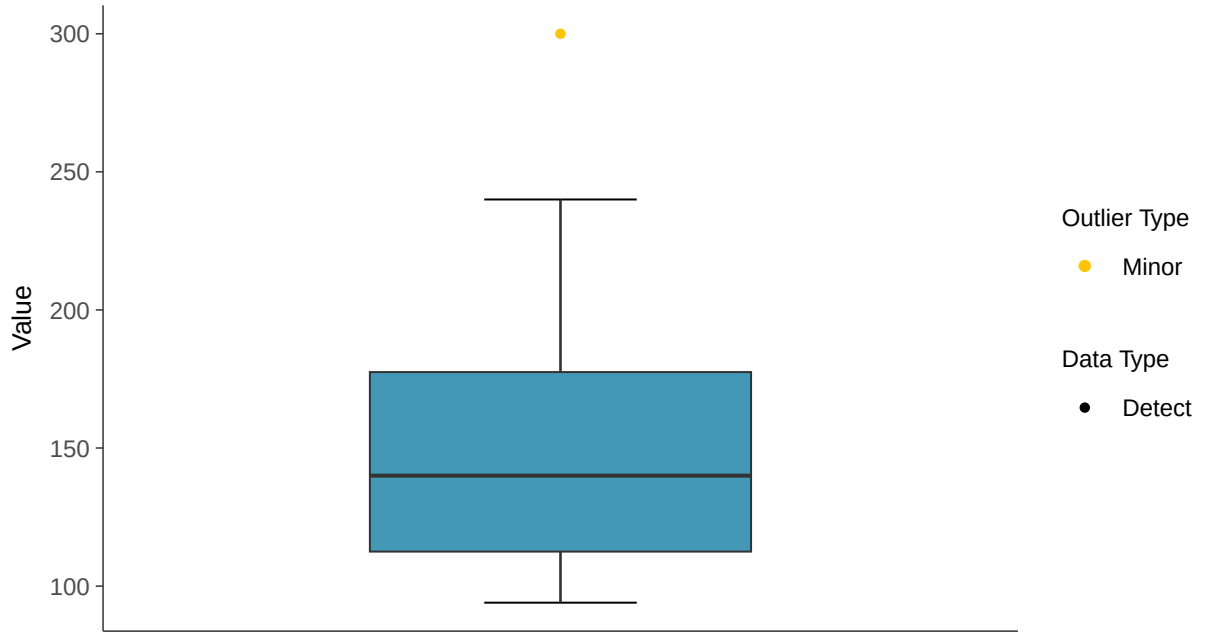
ID: 13_2_3_108





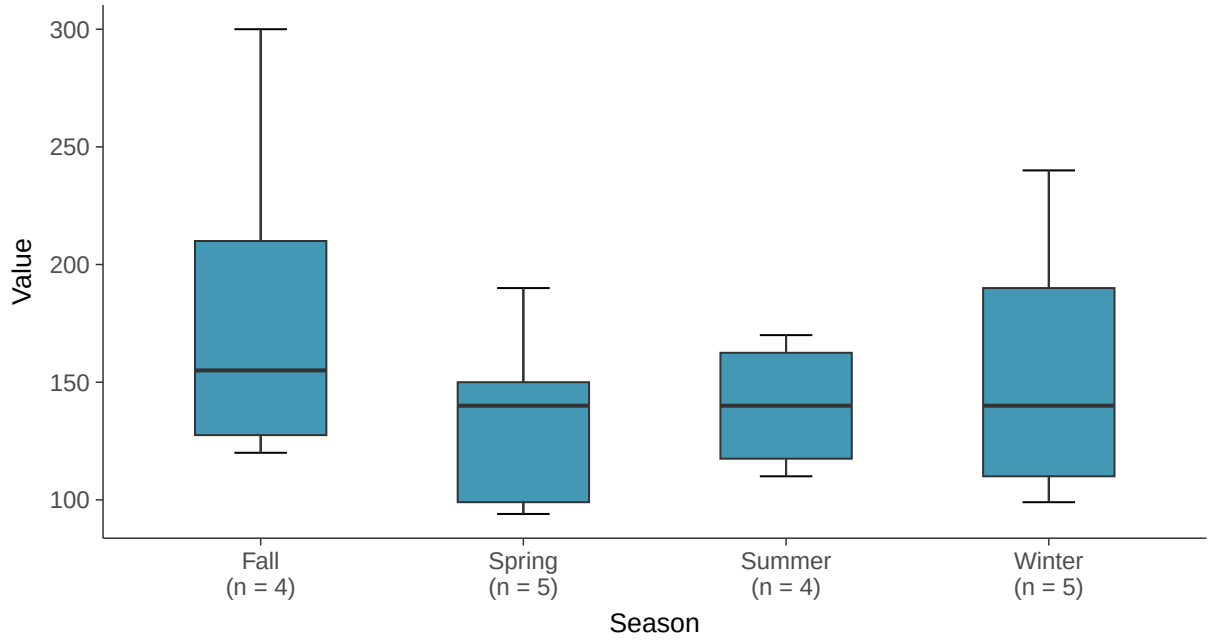
Boxplot

Chloride (as Cl), MW-03 (mg/L)



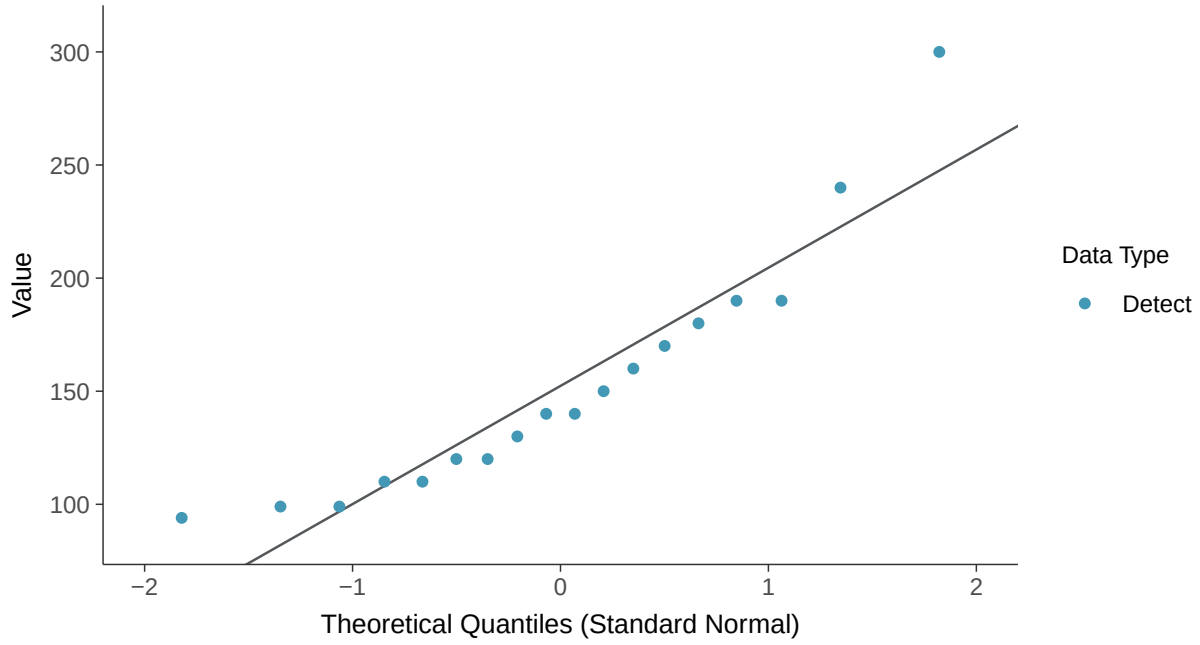
Boxplot by Season

Chloride (as Cl), MW-03 (mg/L)



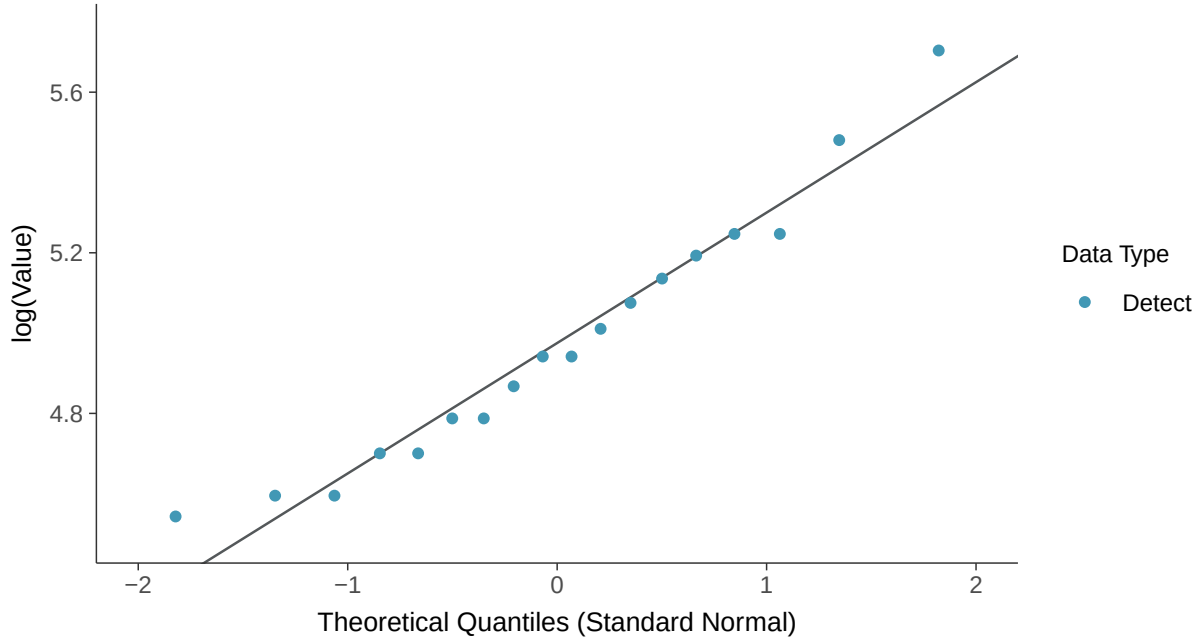
Normal Q-Q plot

Chloride (as Cl), MW-03 (mg/L)



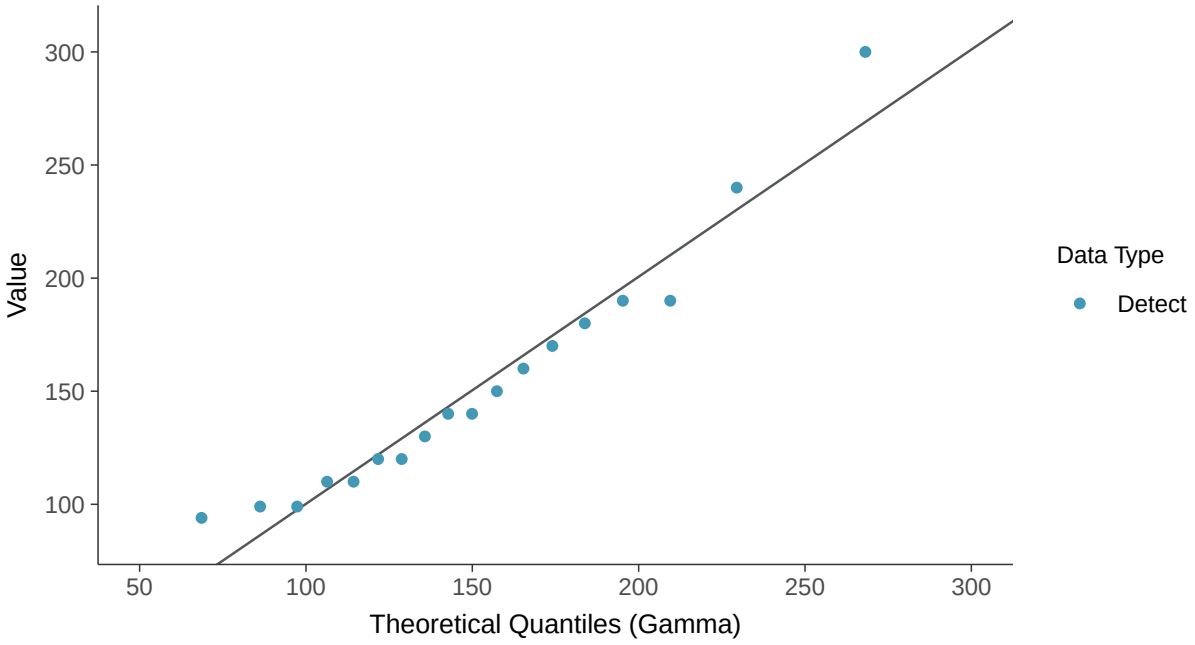
Lognormal Q-Q plot

Chloride (as Cl), MW-03 (mg/L)



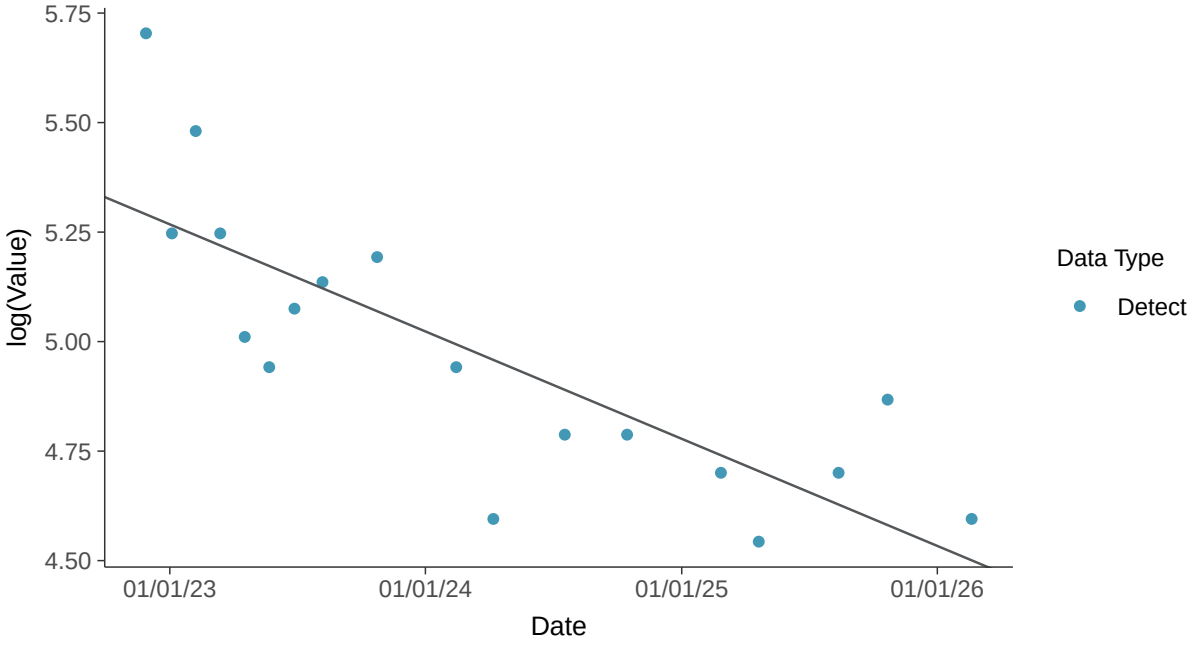
Gamma Q-Q plot

Chloride (as Cl), MW-03 (mg/L)



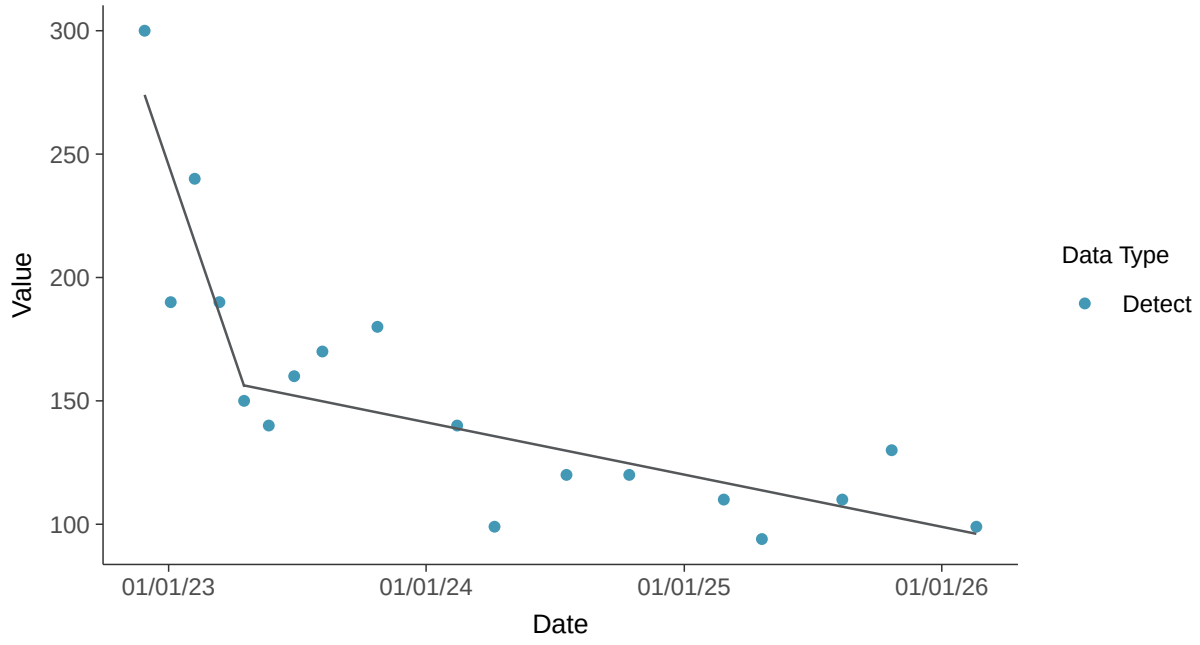
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-03 (mg/L)



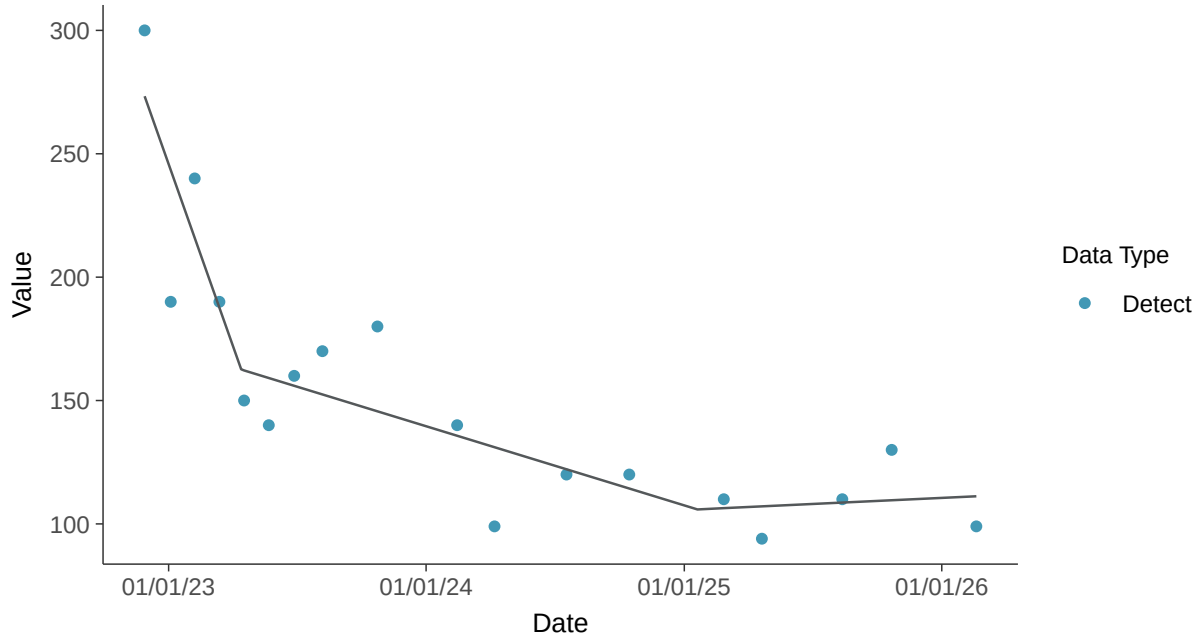
Trend Regression: Piecewise Linear-Linear

Chloride (as Cl), MW-03 (mg/L)



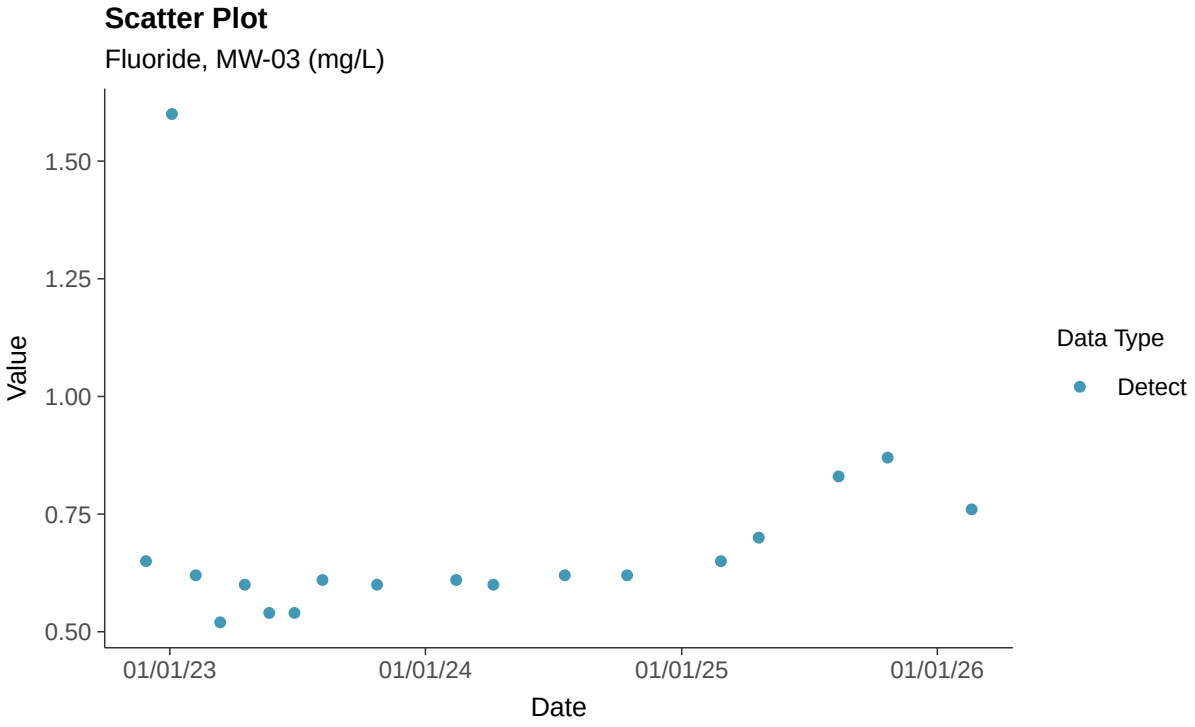
Trend Regression: Piecewise Linear-Linear-Linear

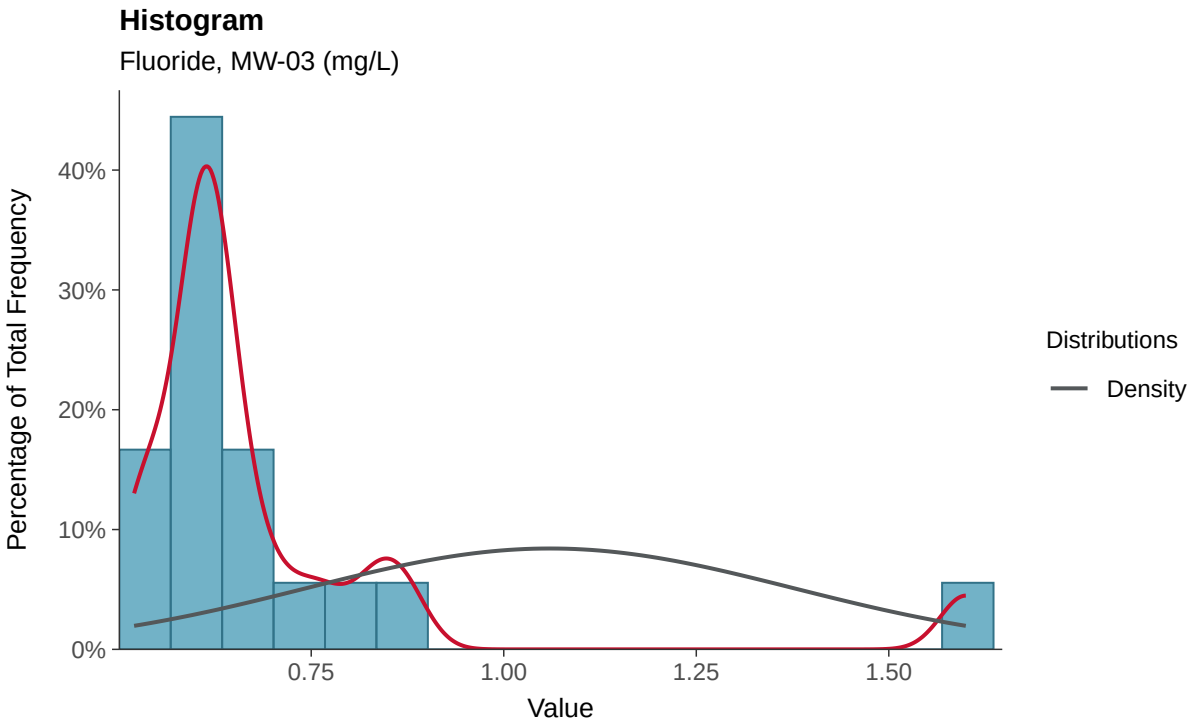
Chloride (as Cl), MW-03 (mg/L)



Appendix III: Fluoride, MW-03

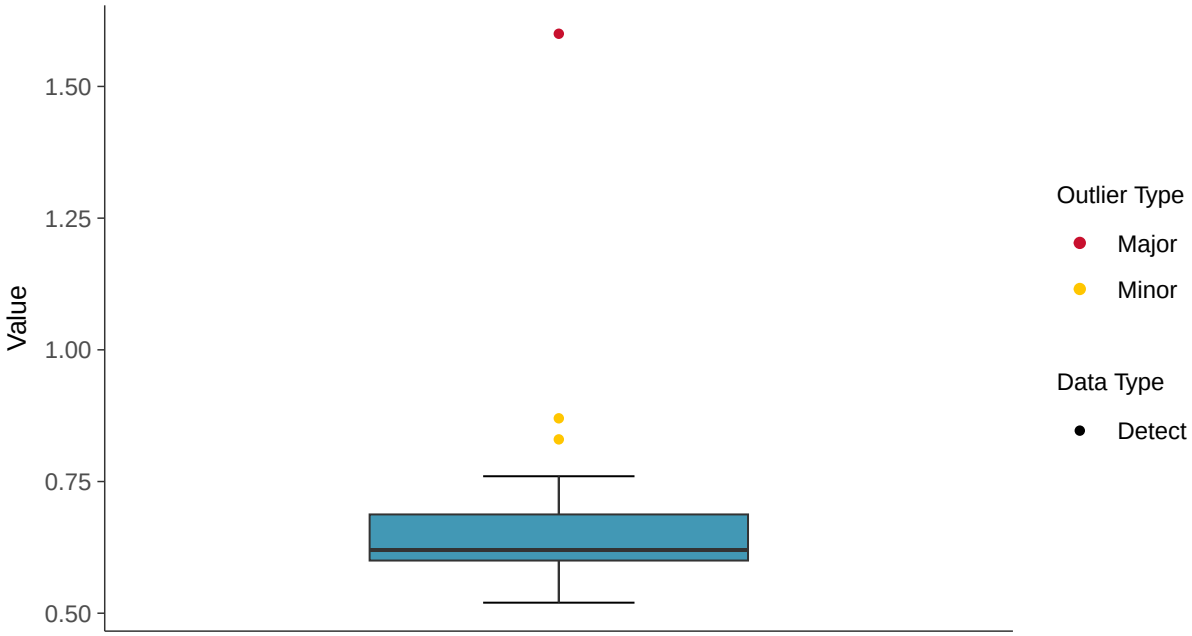
ID: 13_2_3_112





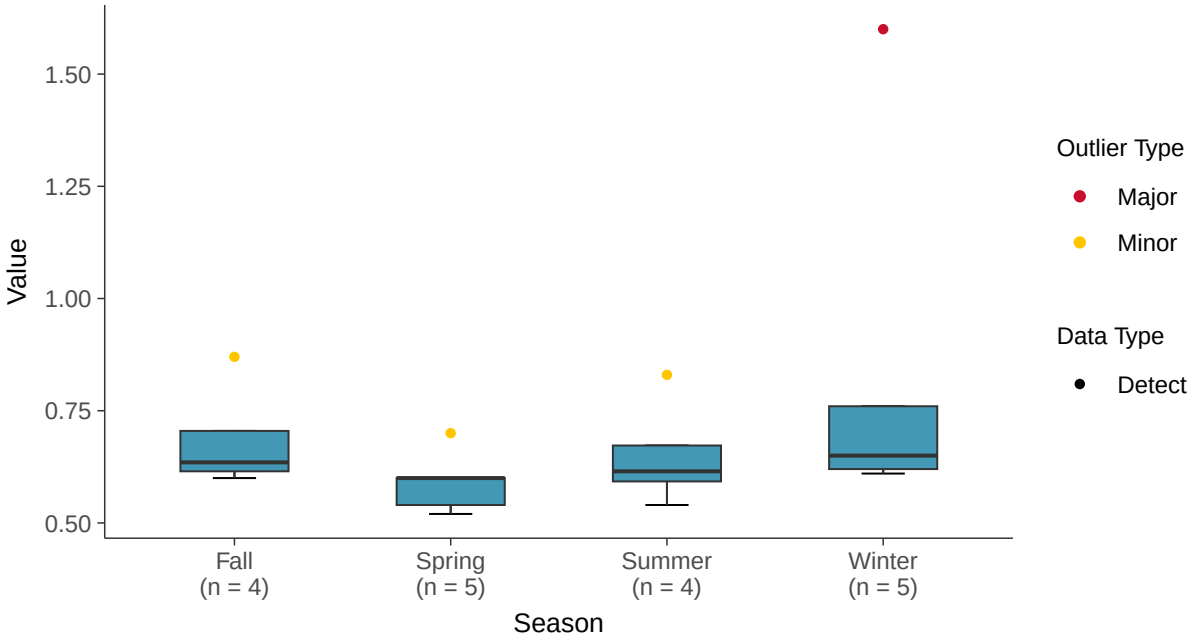
Boxplot

Fluoride, MW-03 (mg/L)



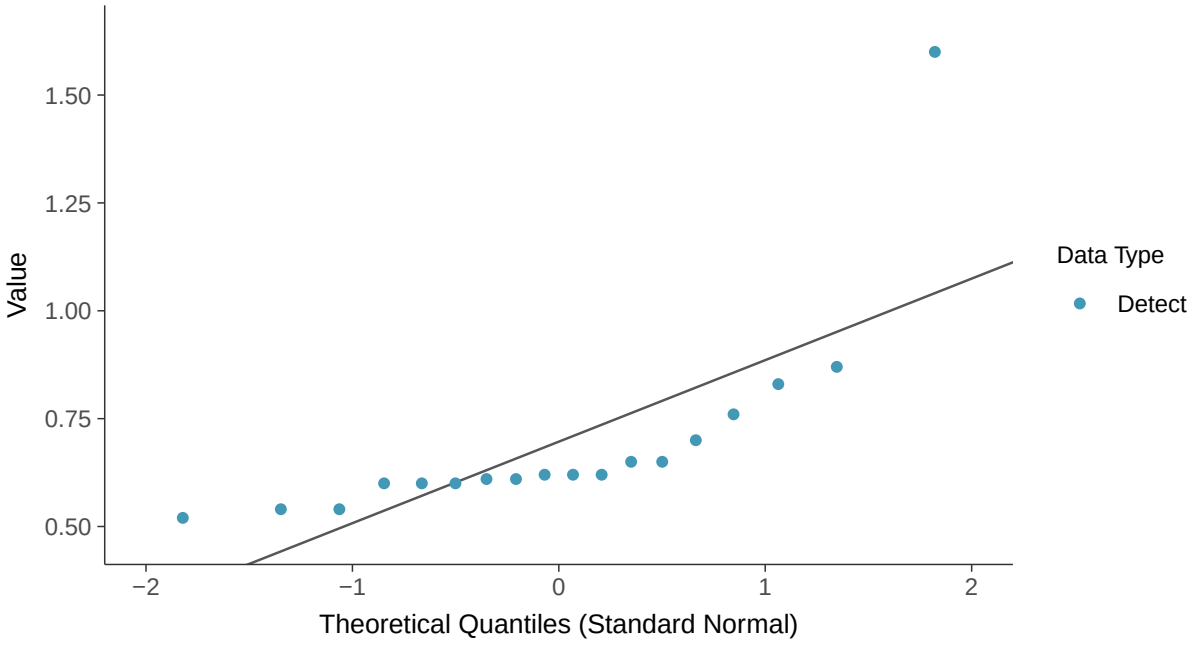
Boxplot by Season

Fluoride, MW-03 (mg/L)



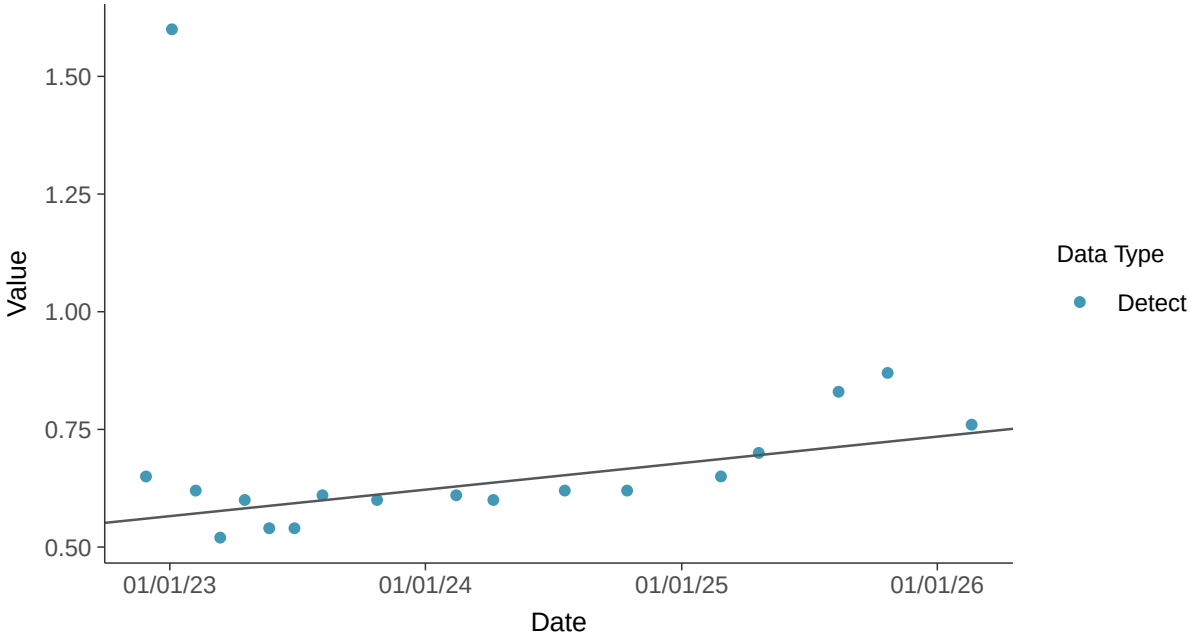
Normal Q-Q plot

Fluoride, MW-03 (mg/L)



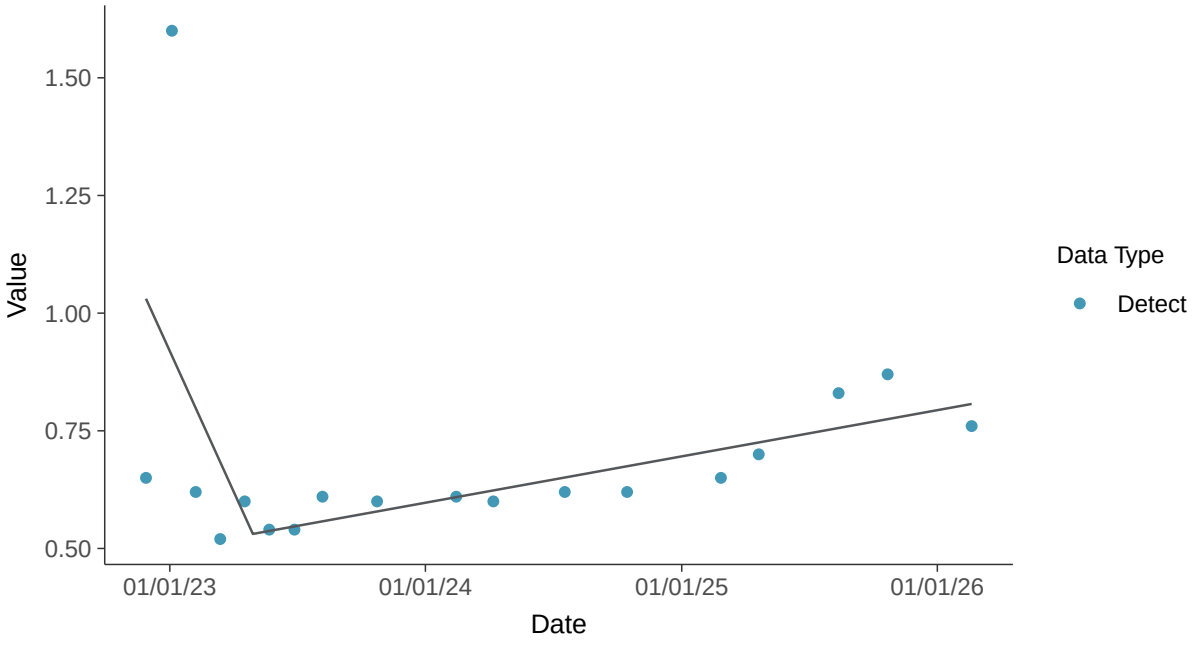
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride, MW-03 (mg/L)



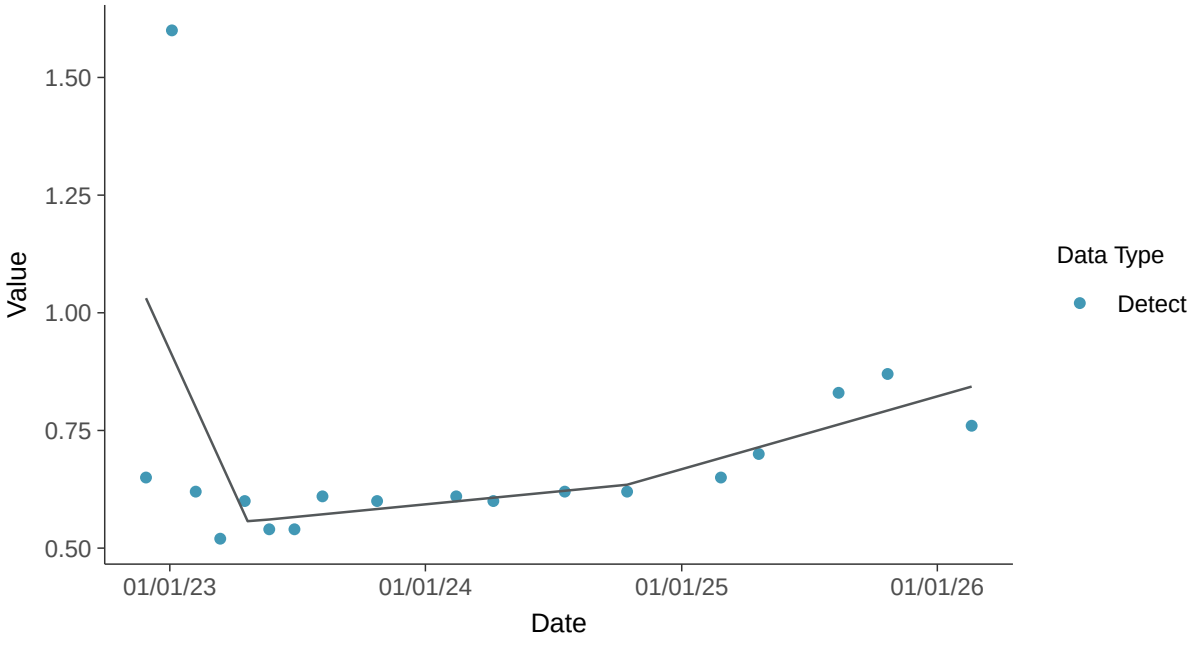
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-03 (mg/L)



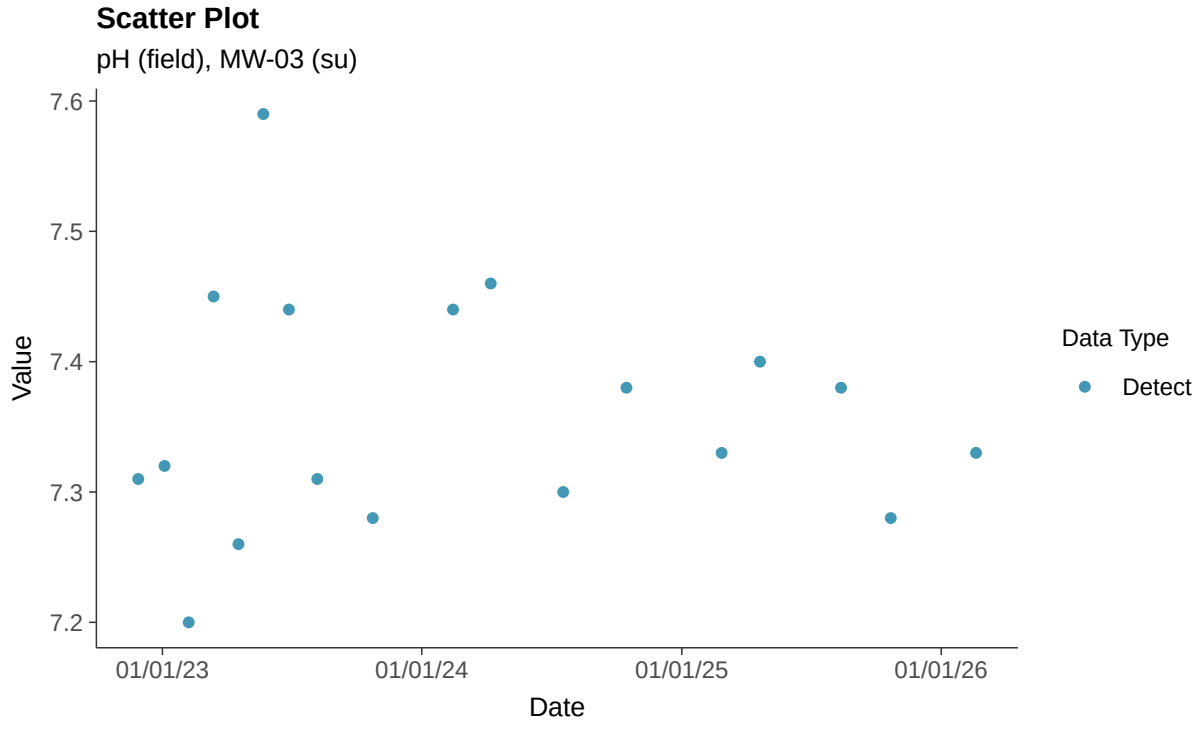
Trend Regression: Piecewise Linear-Linear-Linear

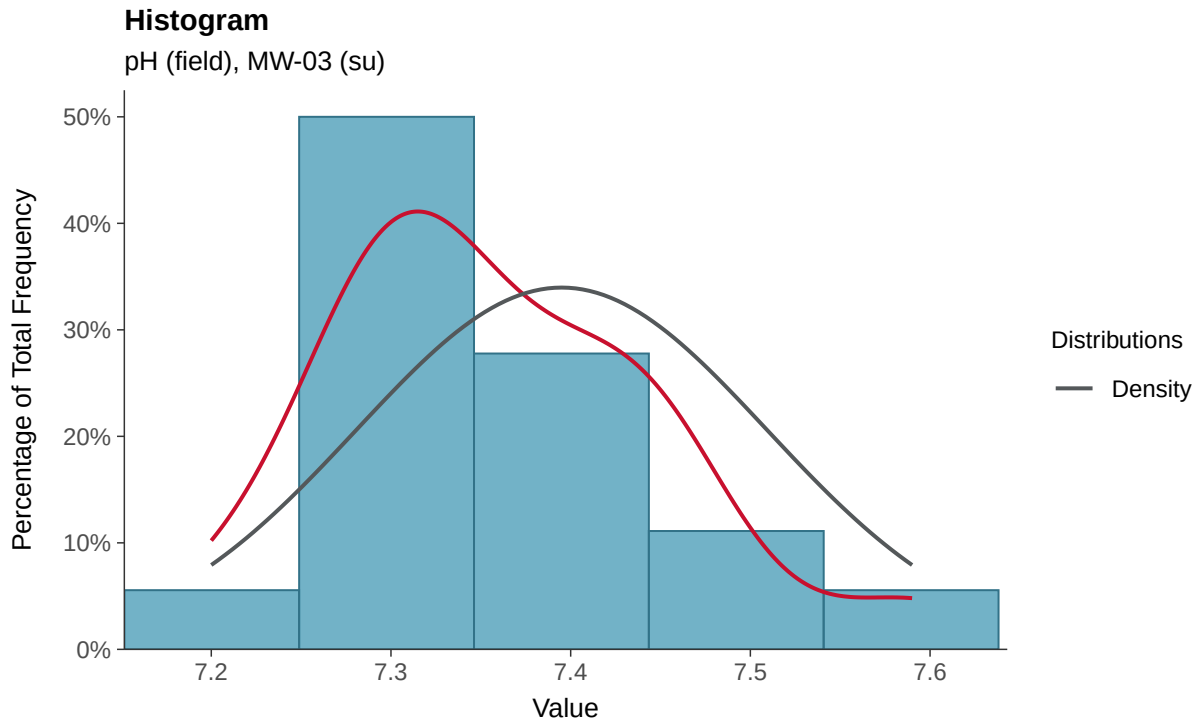
Fluoride, MW-03 (mg/L)



Appendix III: pH (field), MW-03

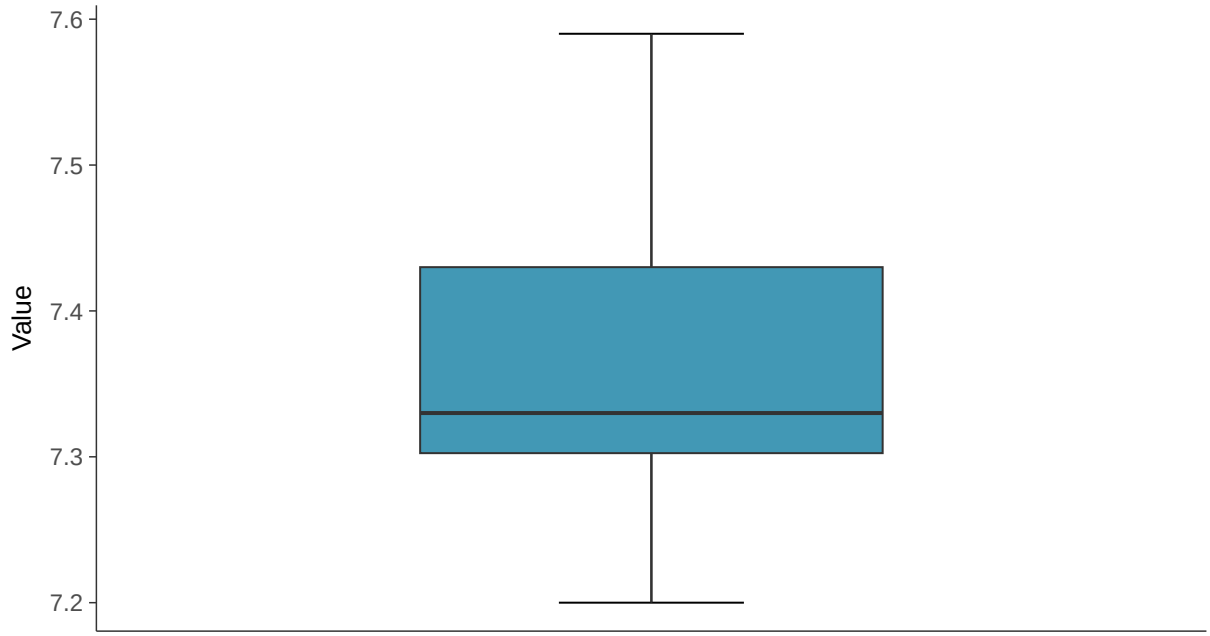
ID: 13_2_3_120





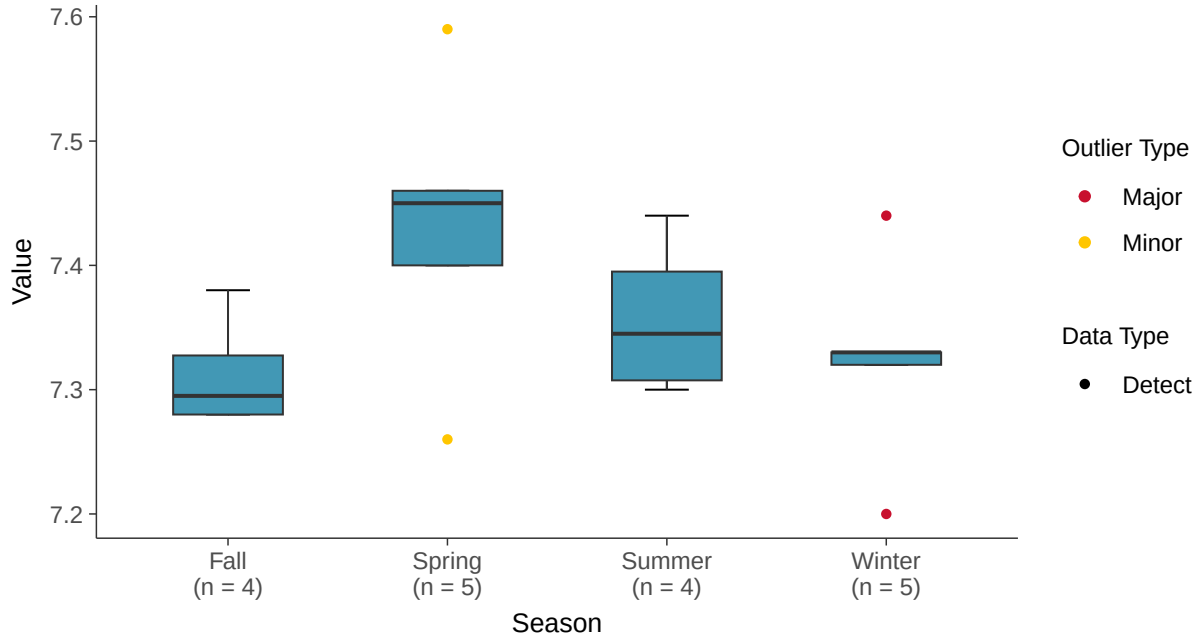
Boxplot

pH (field), MW-03 (su)



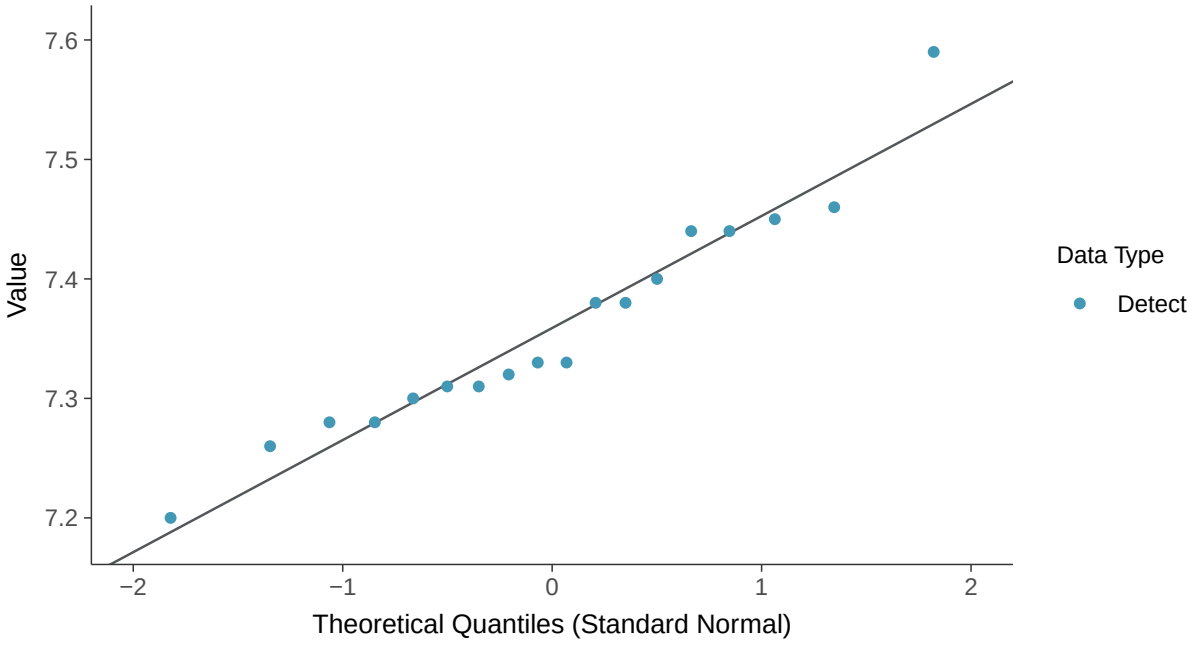
Boxplot by Season

pH (field), MW-03 (su)



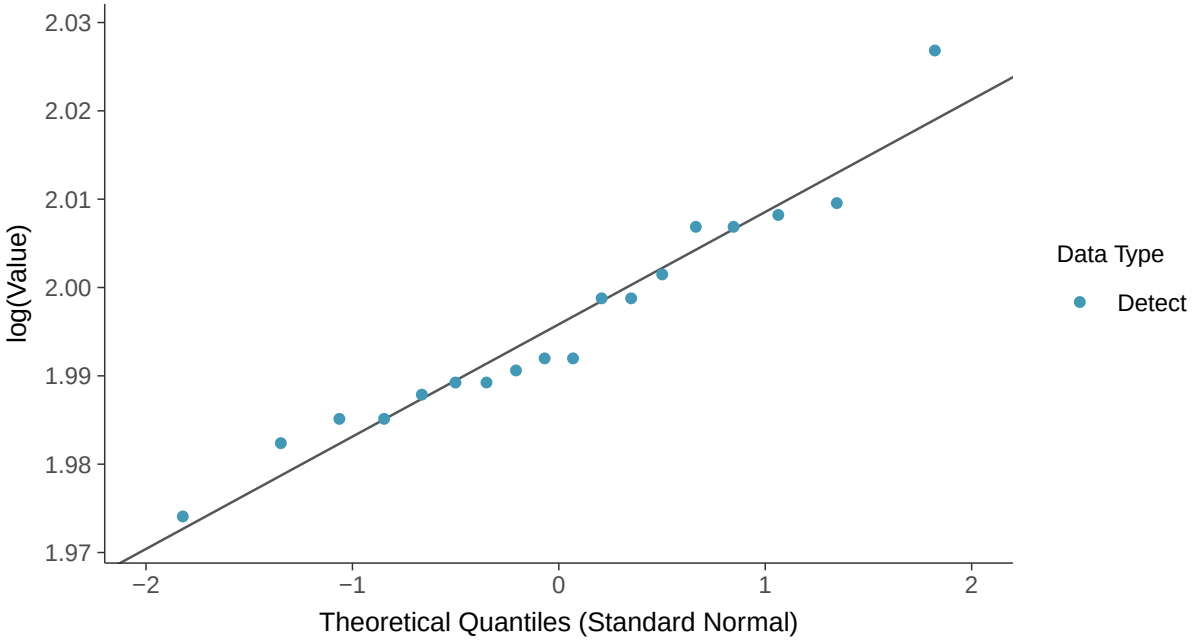
Normal Q-Q plot

pH (field), MW-03 (su)



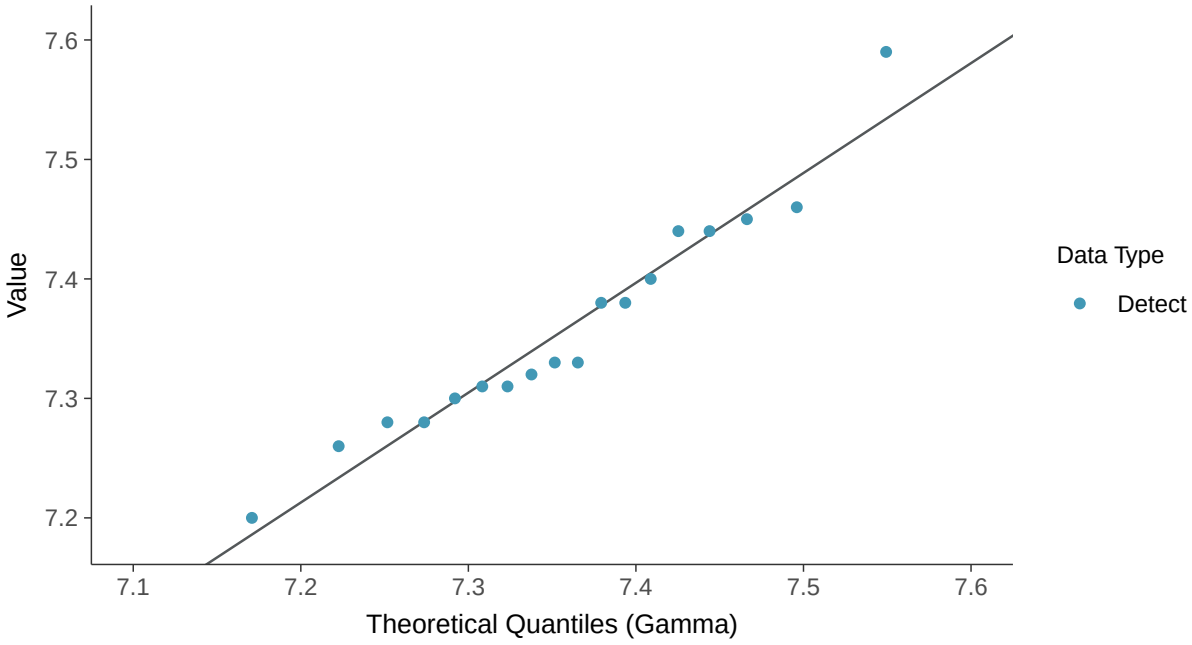
Lognormal Q-Q plot

pH (field), MW-03 (su)



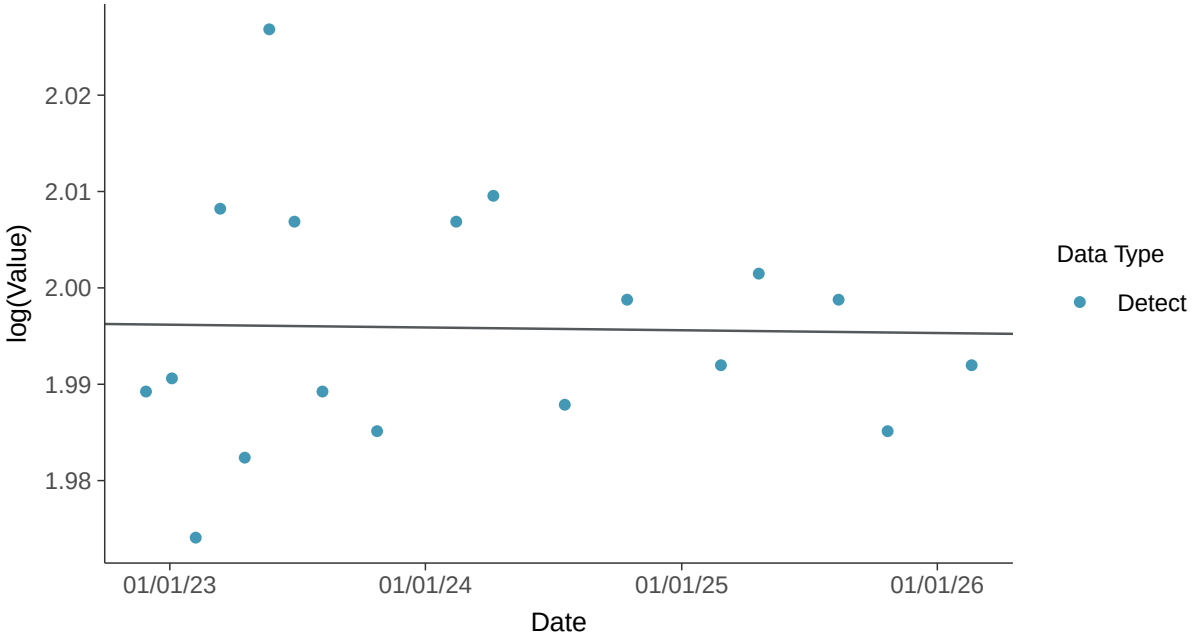
Gamma Q-Q plot

pH (field), MW-03 (su)



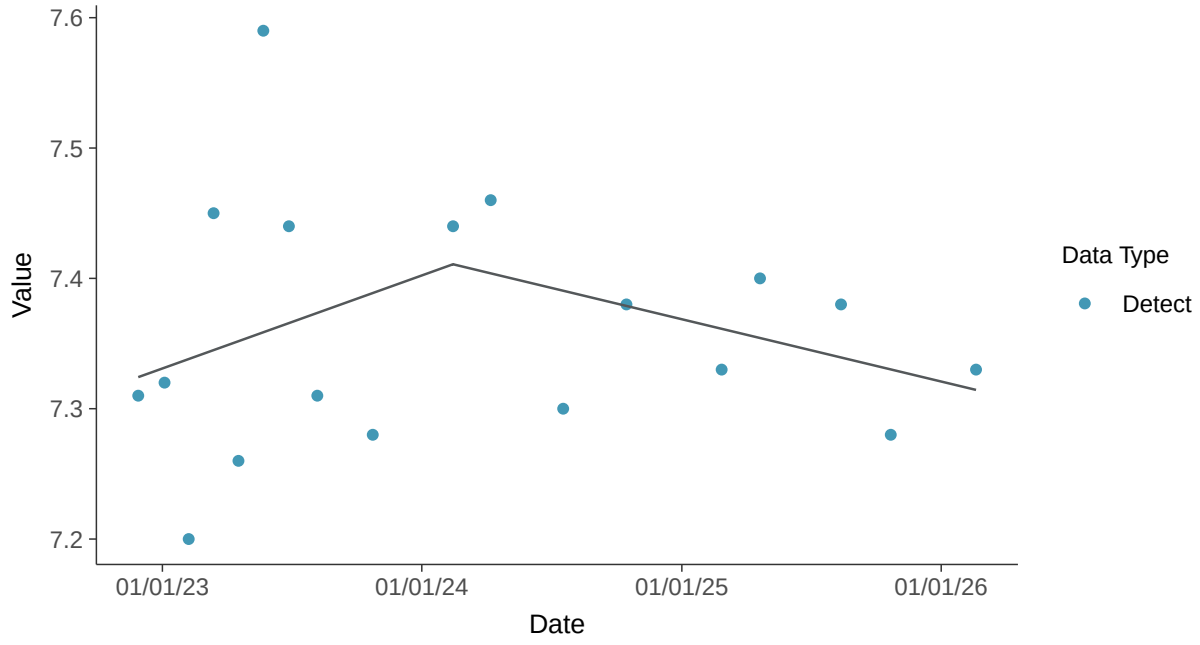
Trend Regression: Lognormal MLE

pH (field), MW-03 (su)



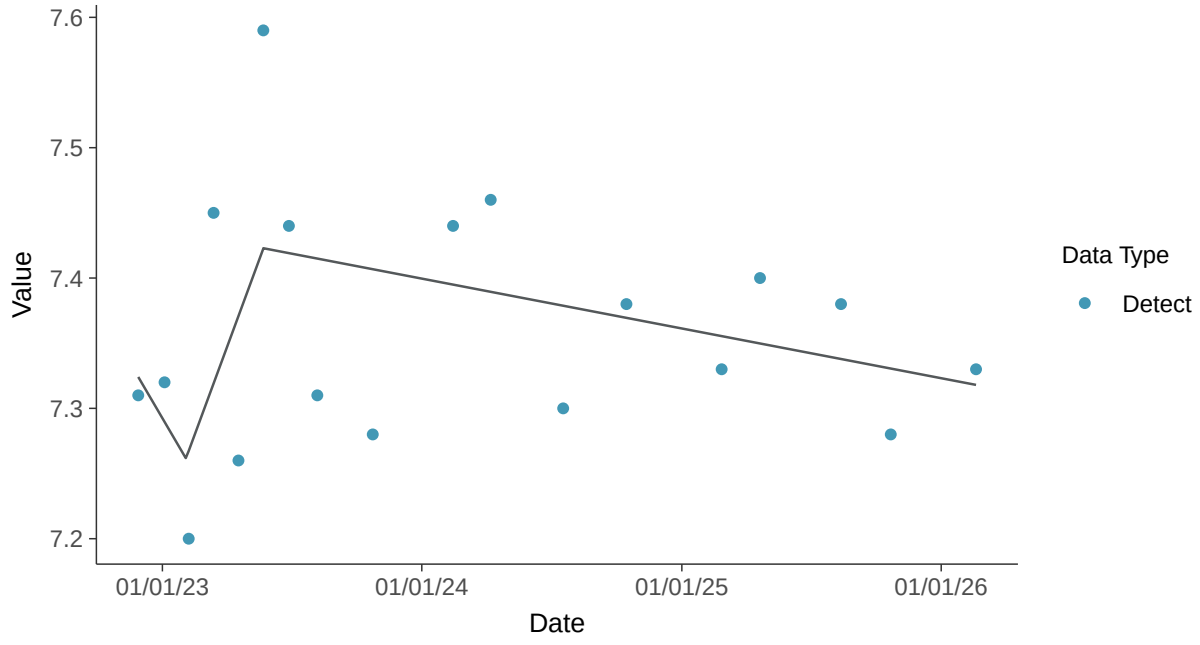
Trend Regression: Piecewise Linear-Linear

pH (field), MW-03 (su)



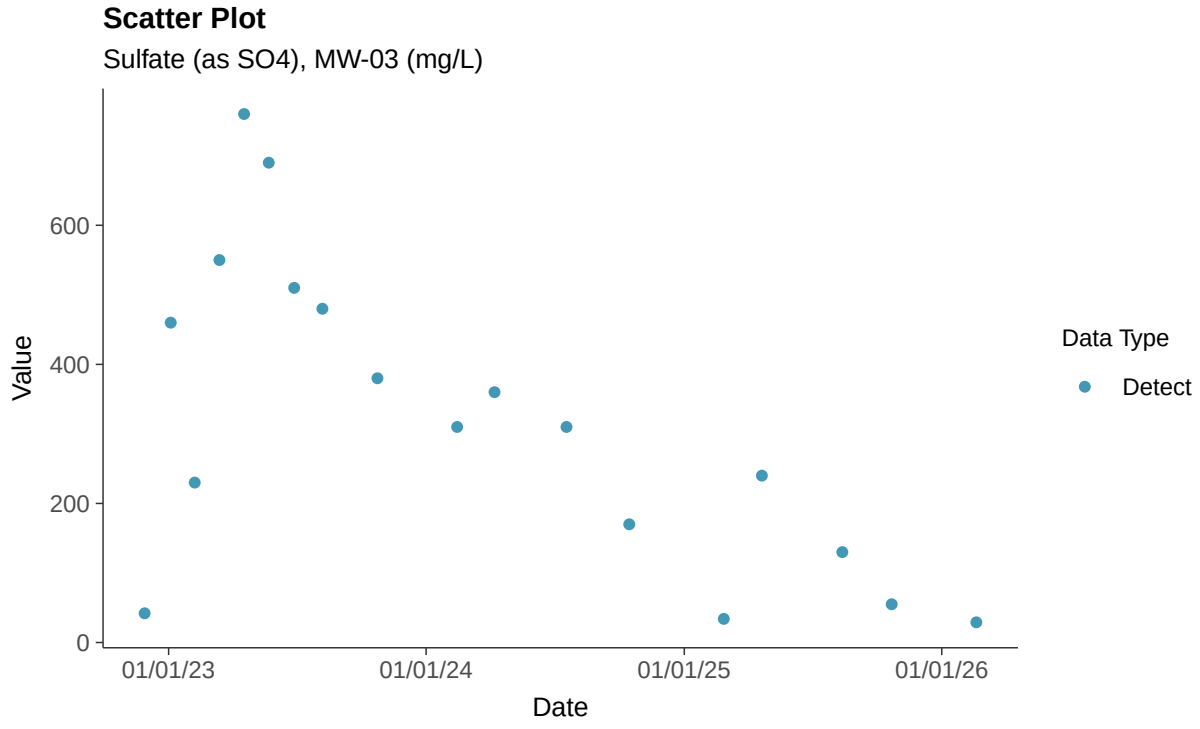
Trend Regression: Piecewise Linear-Linear-Linear

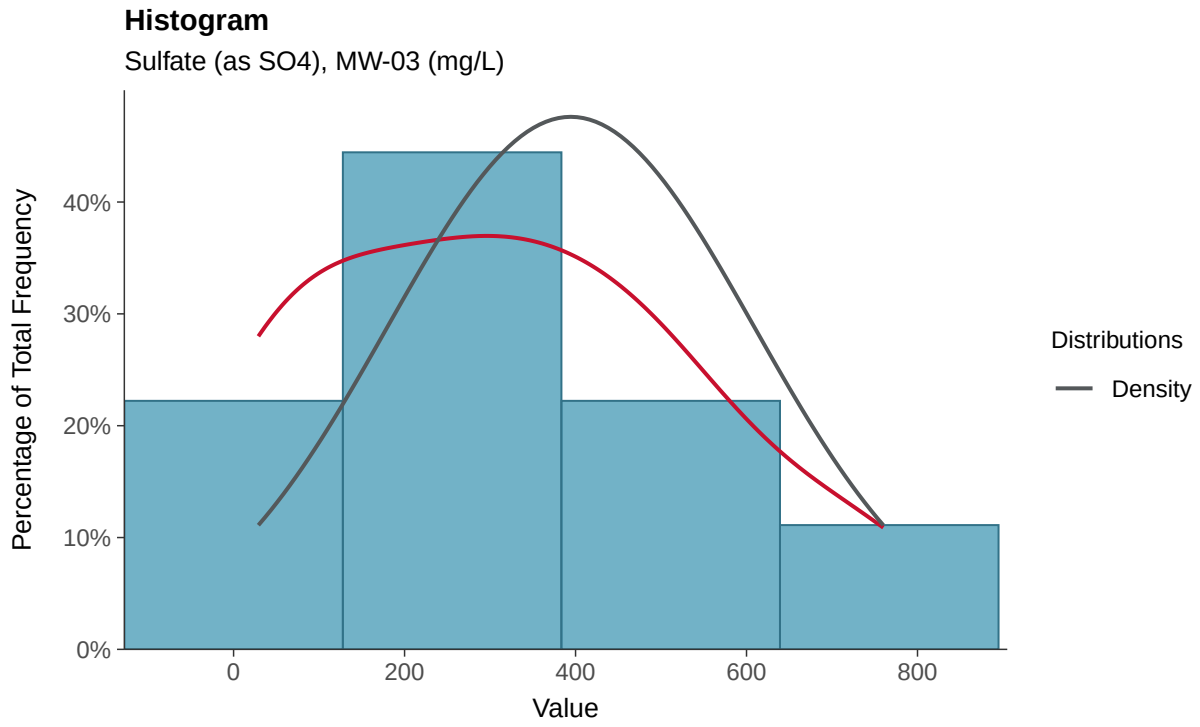
pH (field), MW-03 (su)



Appendix III: Sulfate (as SO4), MW-03

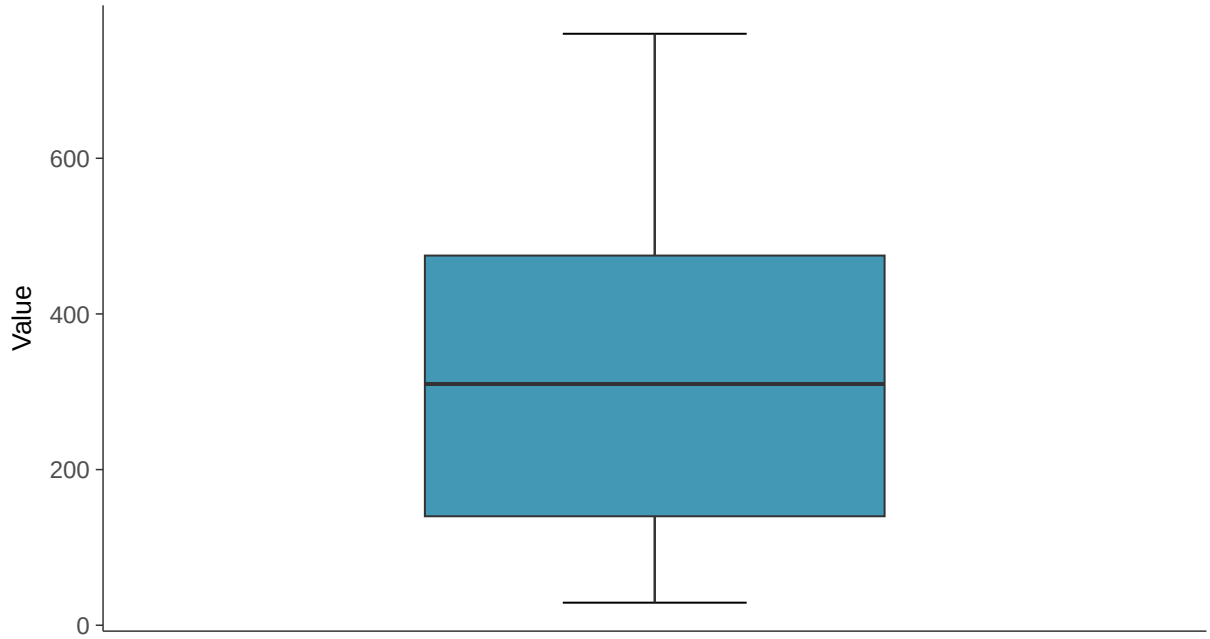
ID: 13_2_3_124





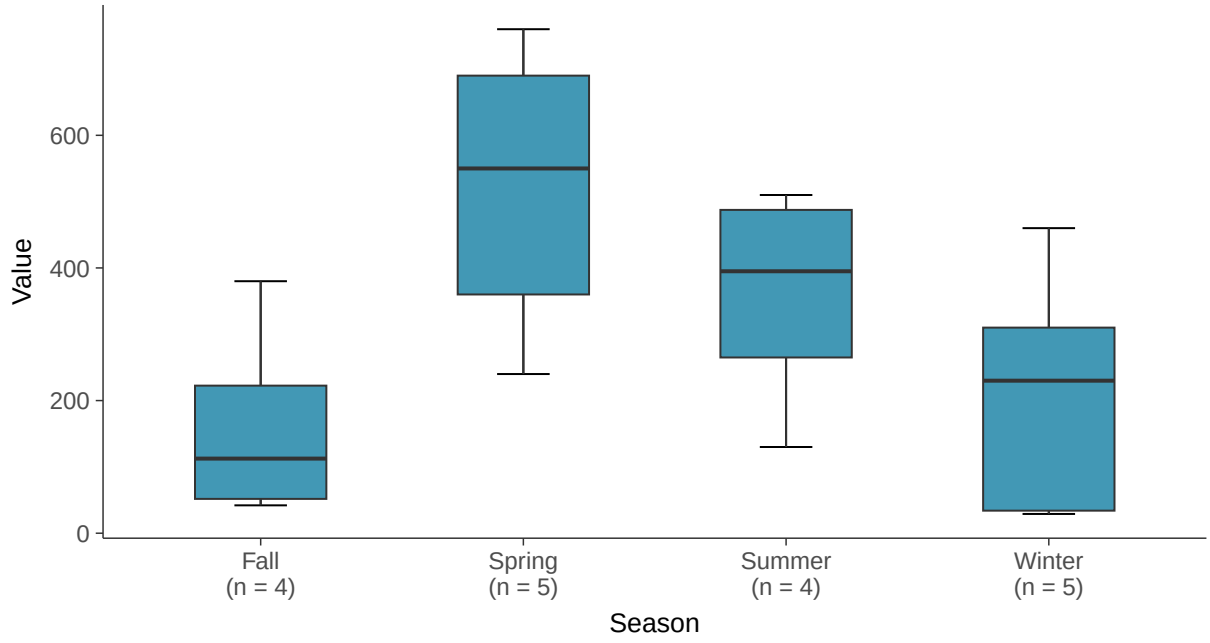
Boxplot

Sulfate (as SO4), MW-03 (mg/L)



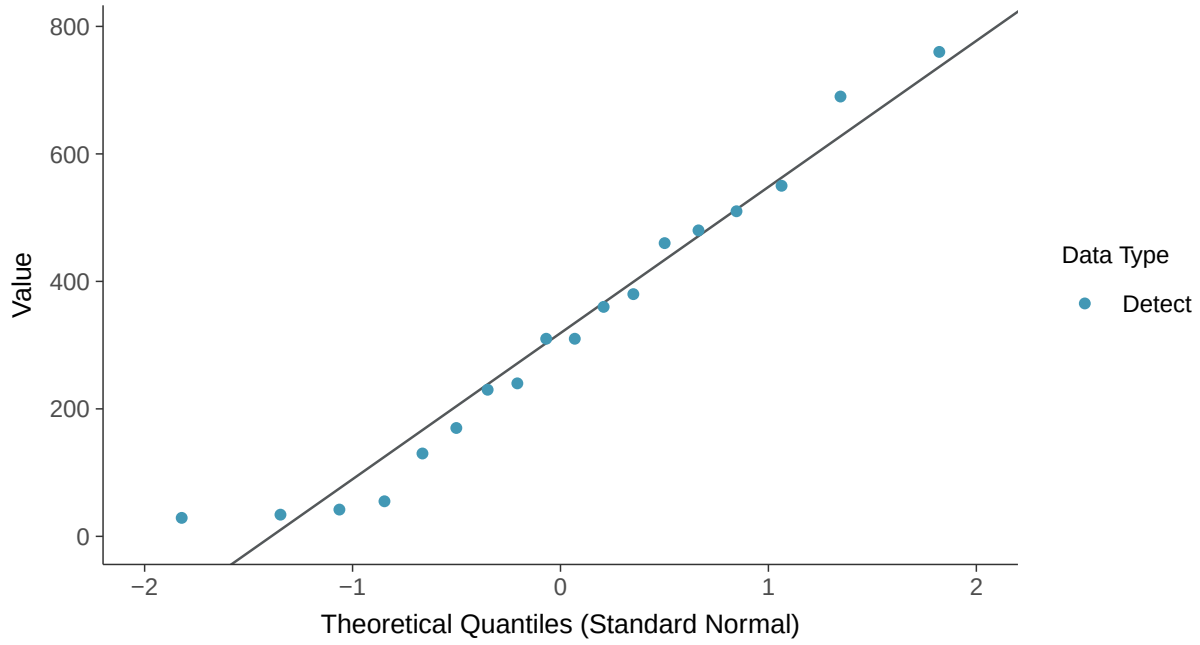
Boxplot by Season

Sulfate (as SO4), MW-03 (mg/L)



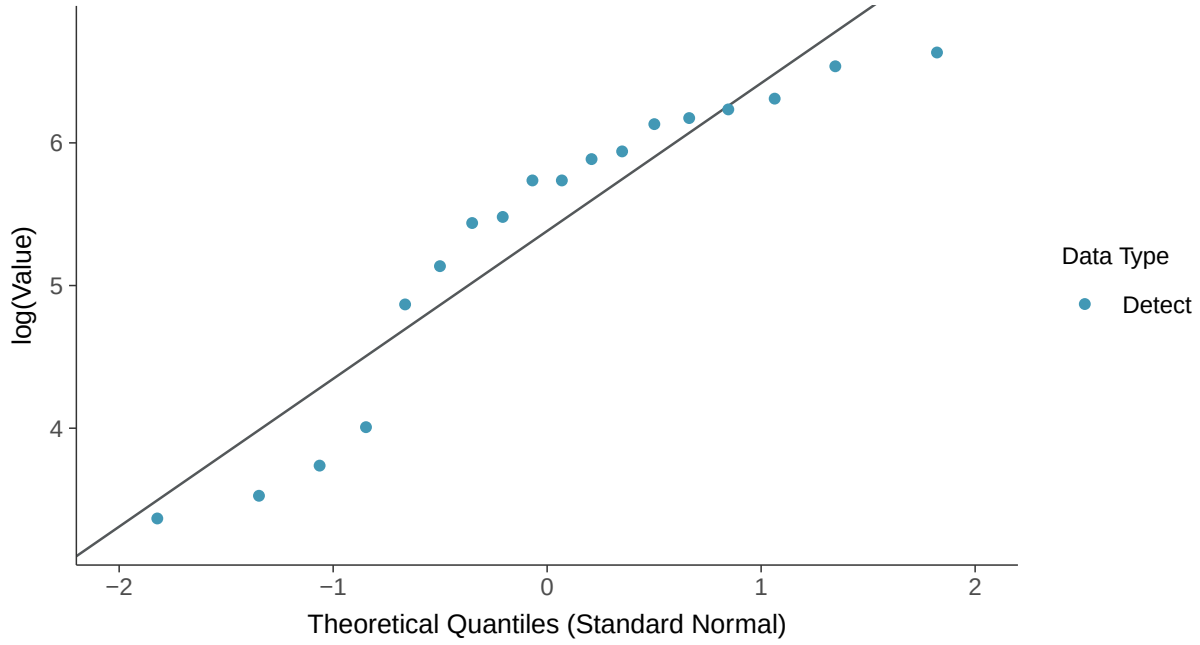
Normal Q-Q plot

Sulfate (as SO4), MW-03 (mg/L)



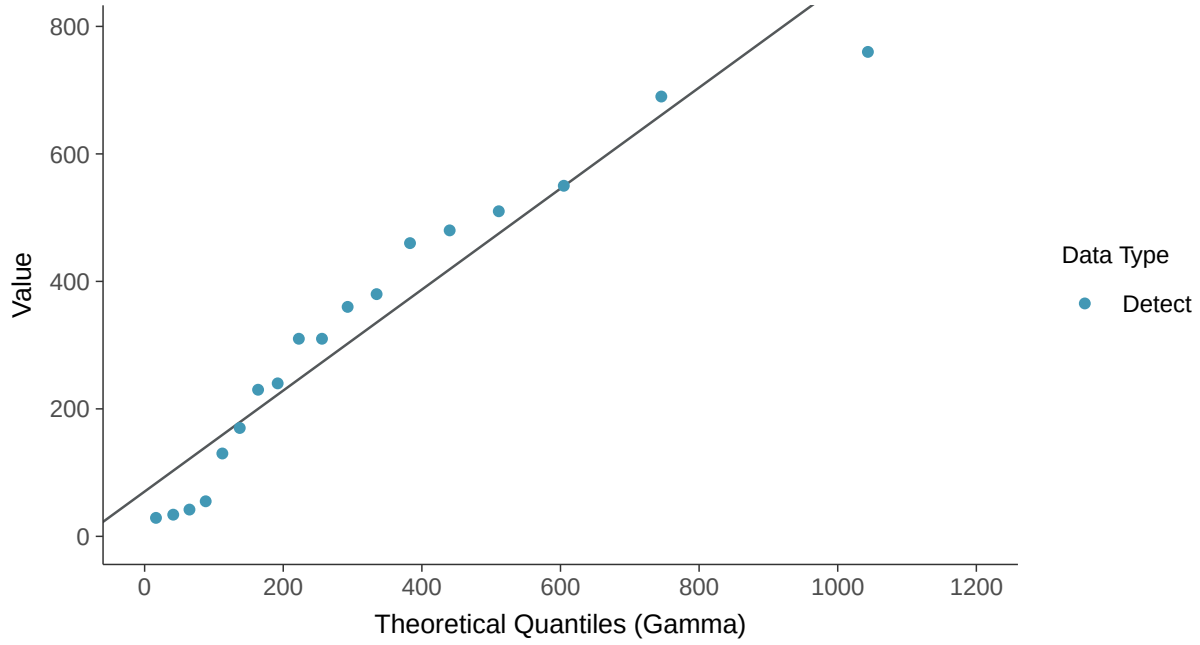
Lognormal Q-Q plot

Sulfate (as SO4), MW-03 (mg/L)



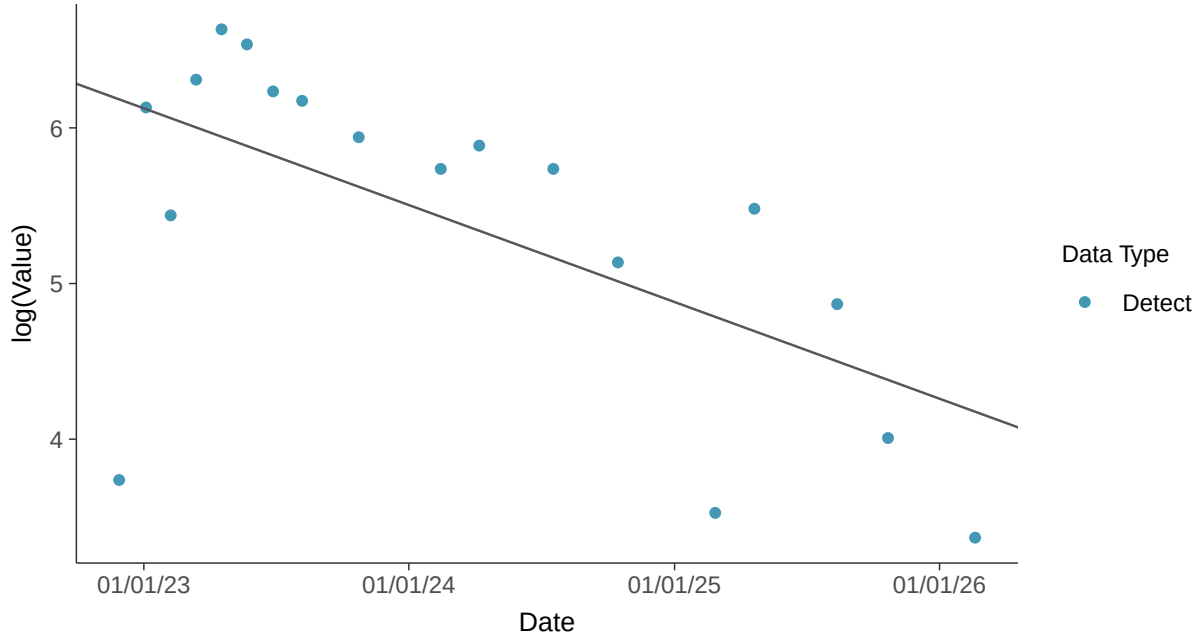
Gamma Q-Q plot

Sulfate (as SO4), MW-03 (mg/L)



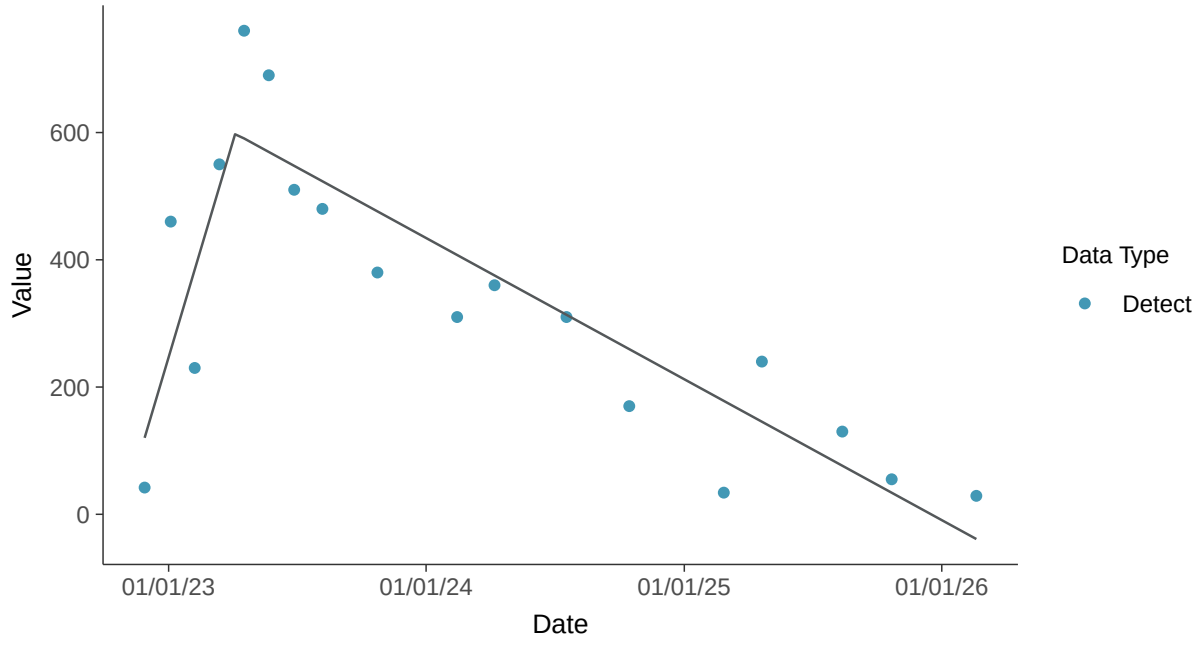
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-03 (mg/L)



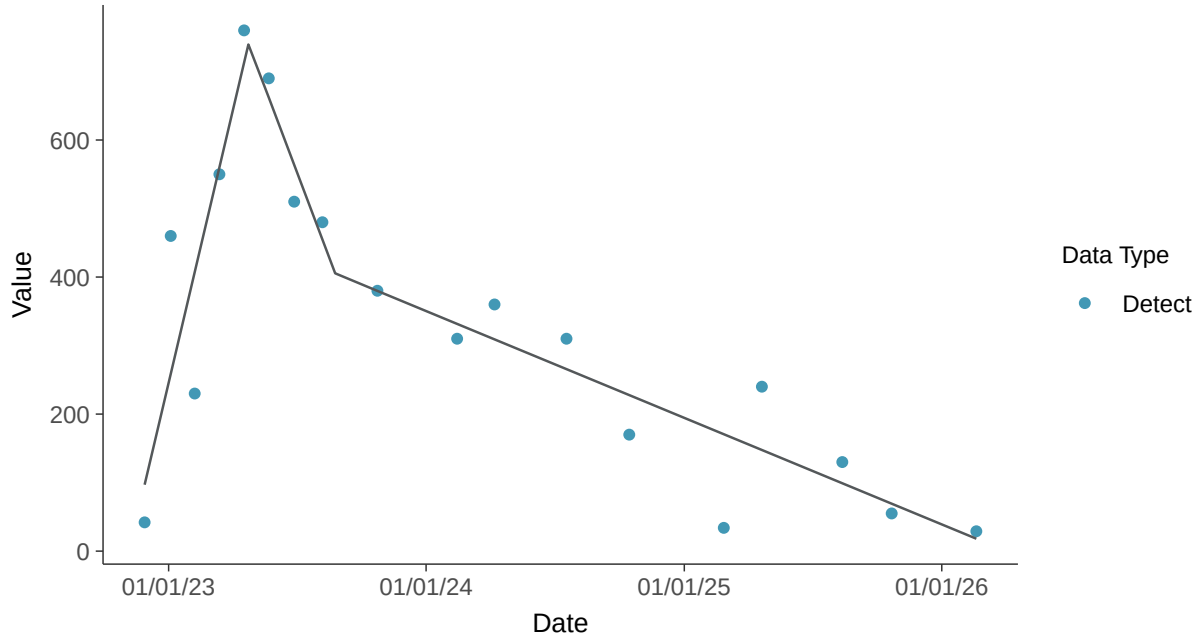
Trend Regression: Piecewise Linear-Linear

Sulfate (as SO4), MW-03 (mg/L)



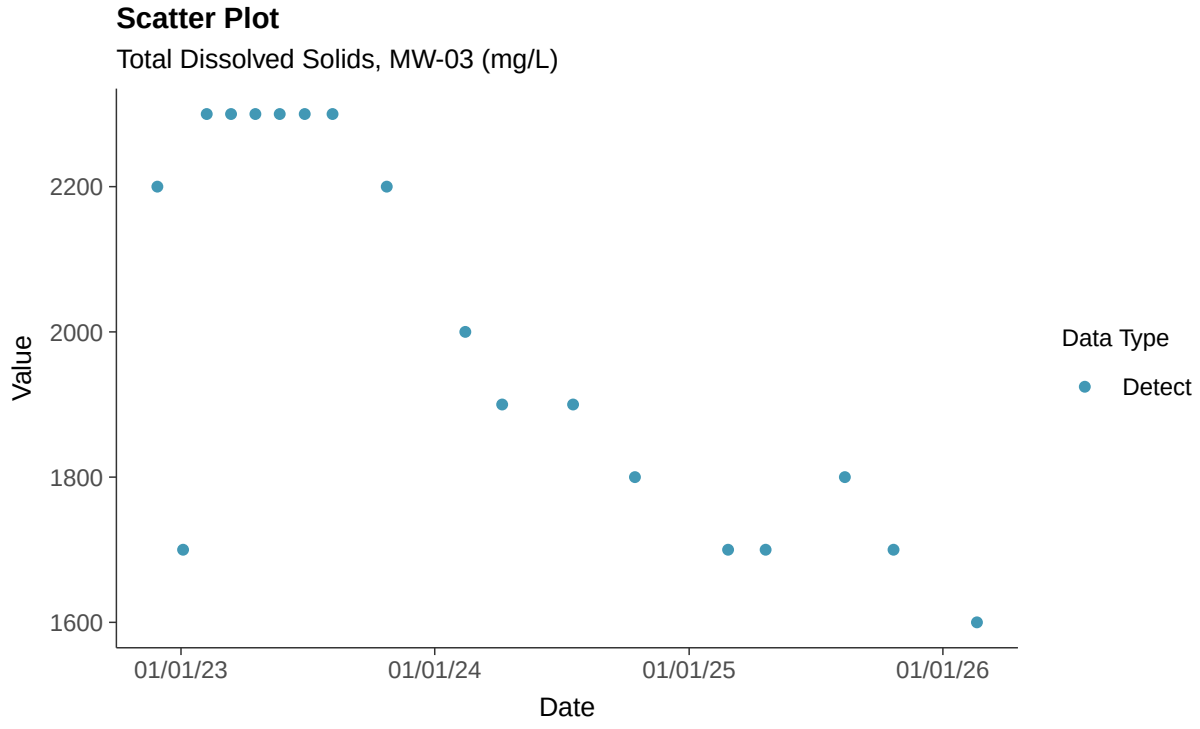
Trend Regression: Piecewise Linear-Linear-Linear

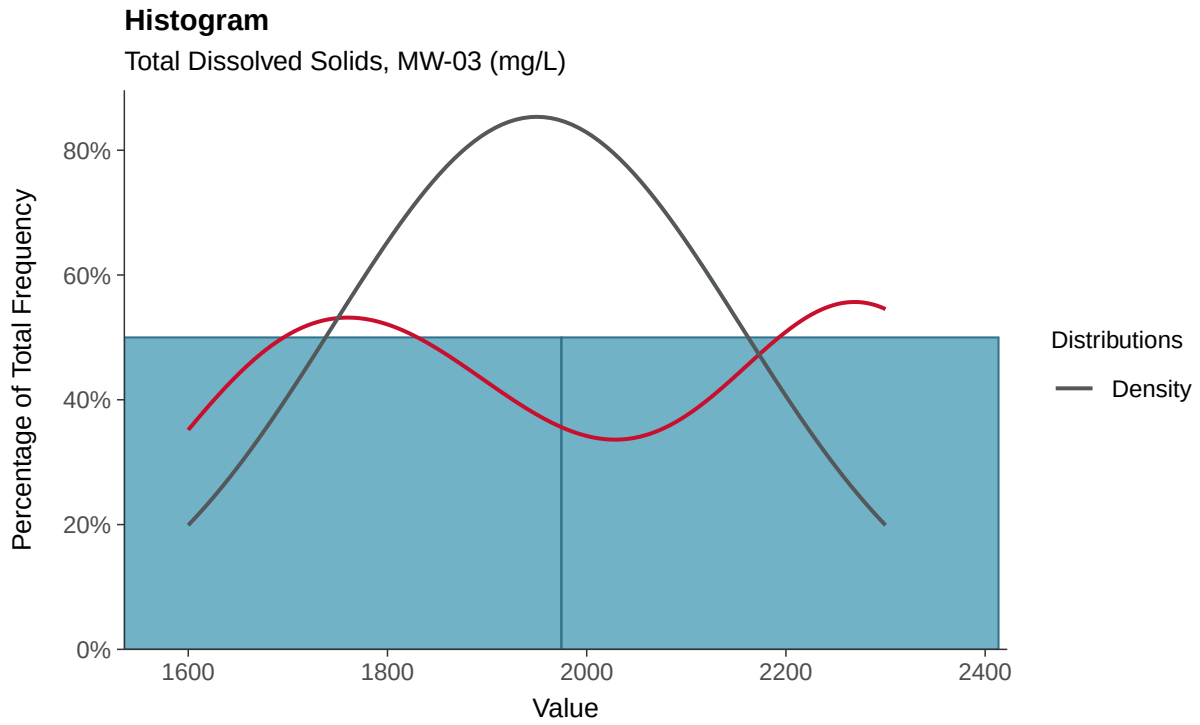
Sulfate (as SO4), MW-03 (mg/L)



Appendix III: Total Dissolved Solids, MW-03

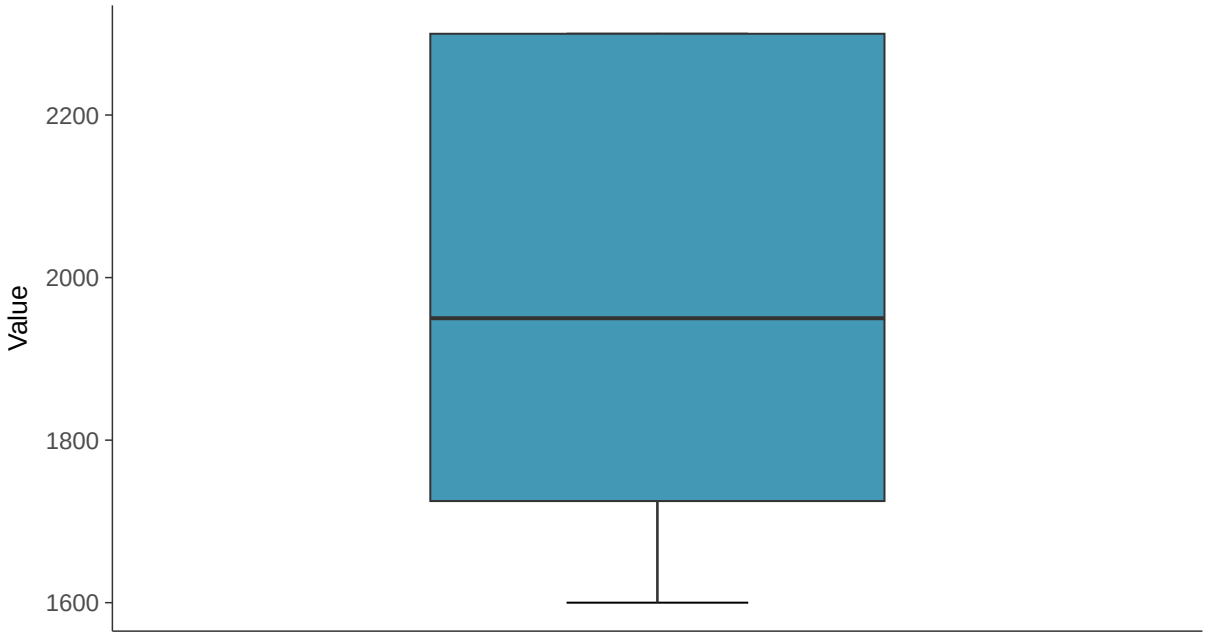
ID: 13_2_3_126





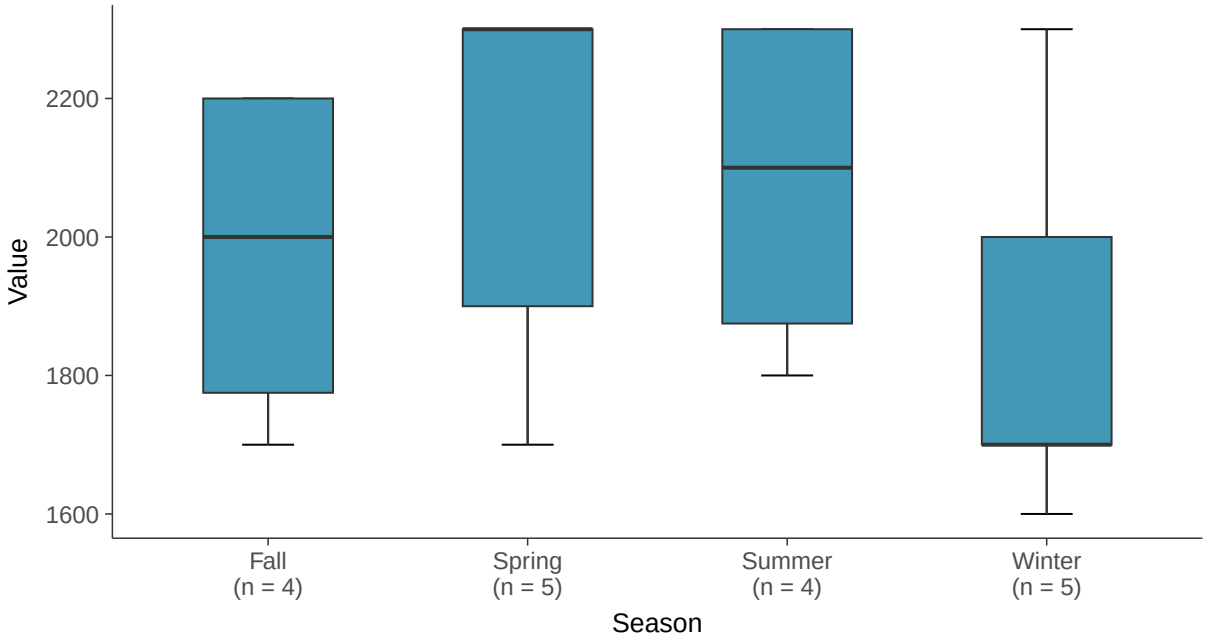
Boxplot

Total Dissolved Solids, MW-03 (mg/L)



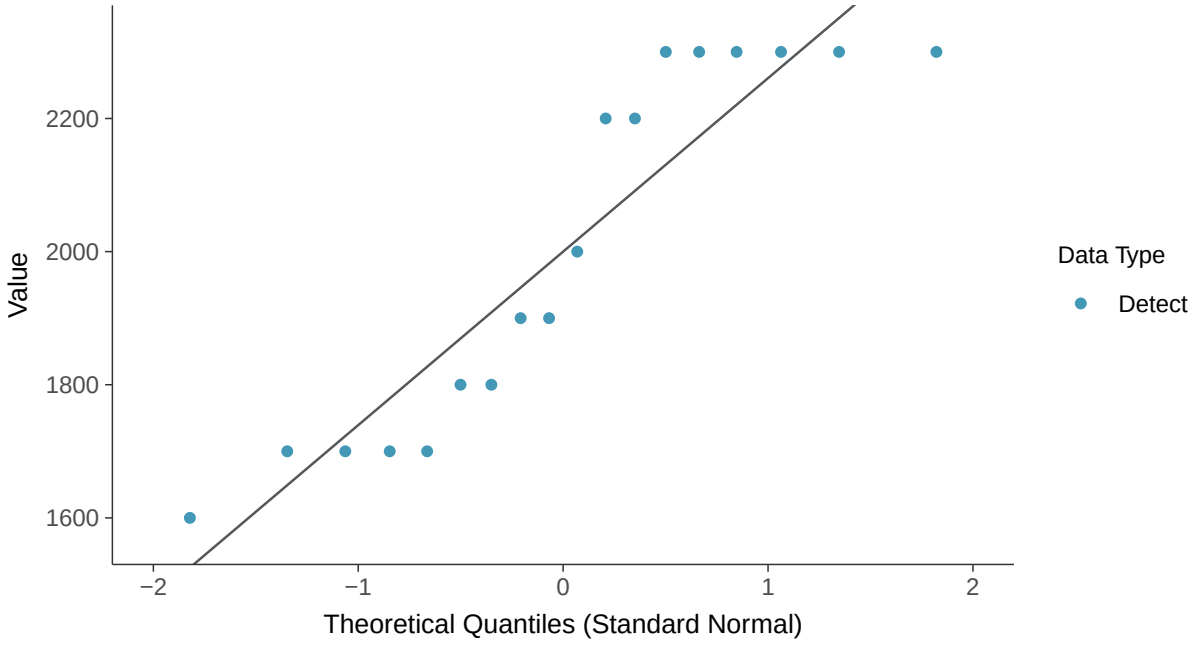
Boxplot by Season

Total Dissolved Solids, MW-03 (mg/L)



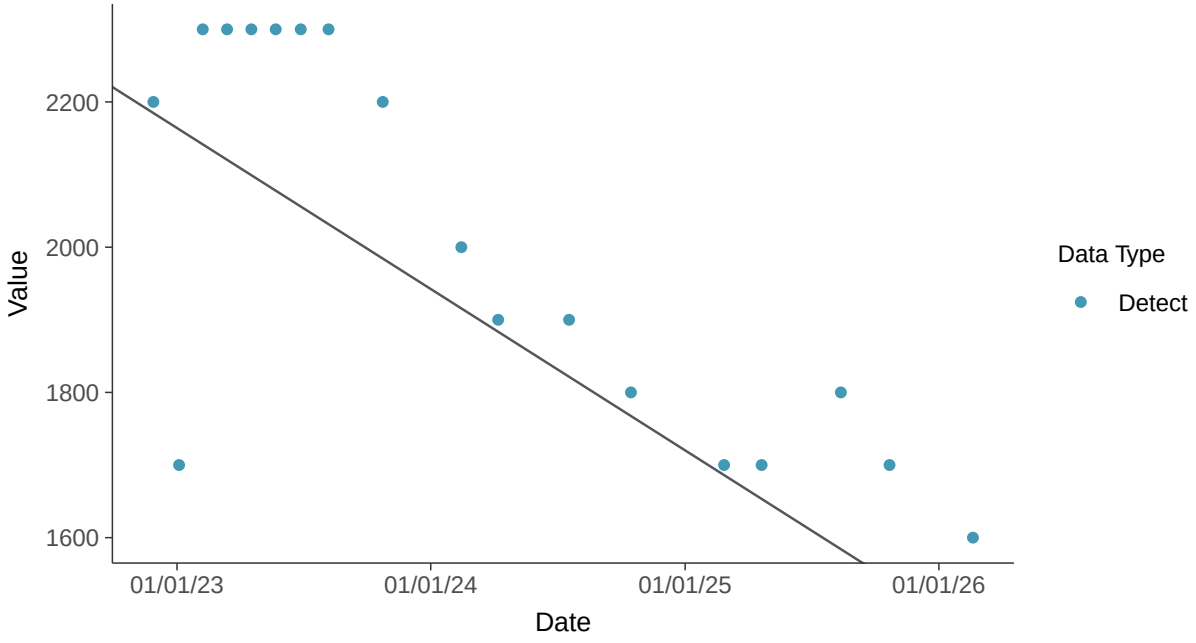
Normal Q-Q plot

Total Dissolved Solids, MW-03 (mg/L)



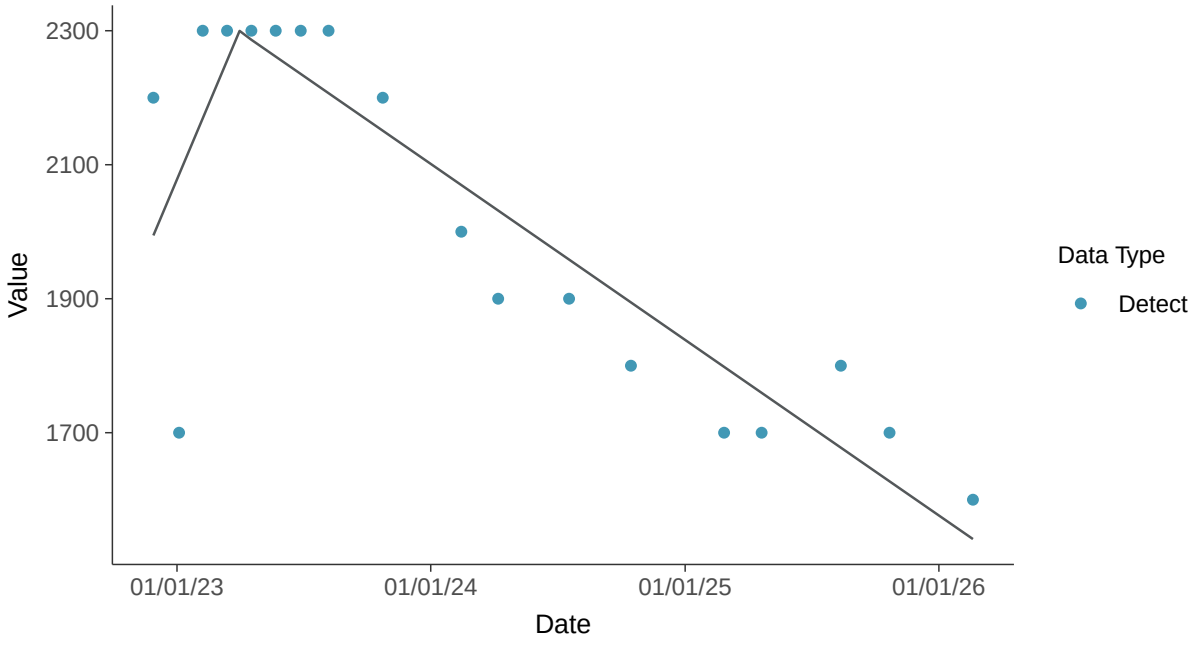
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Total Dissolved Solids, MW-03 (mg/L)



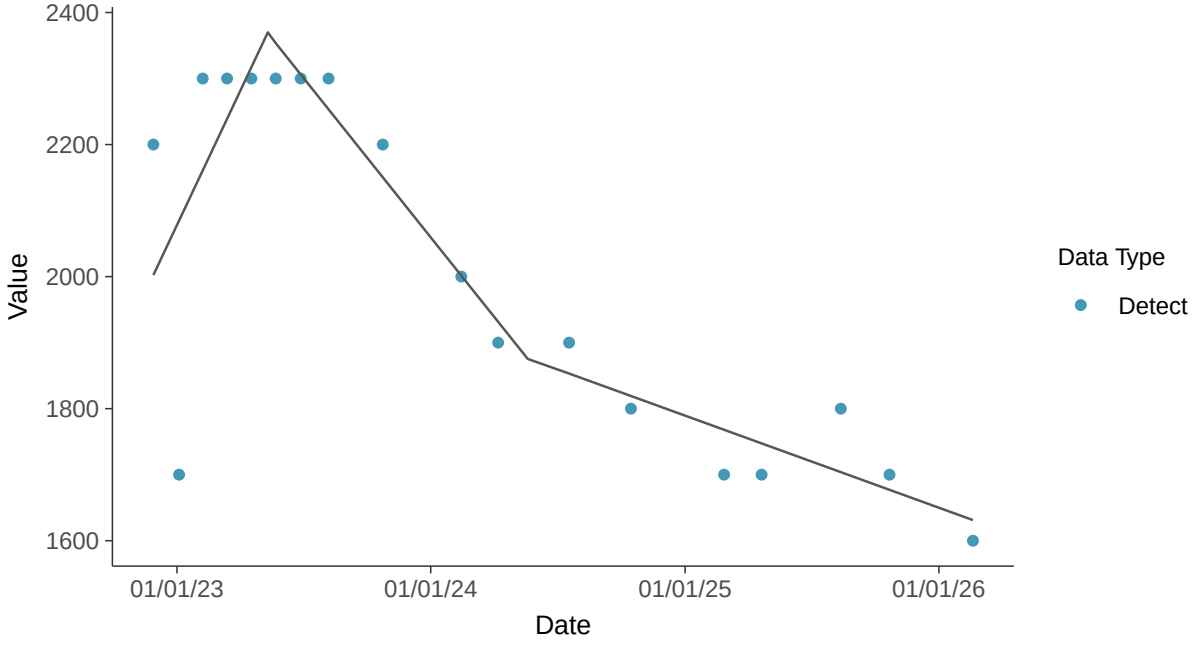
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-03 (mg/L)



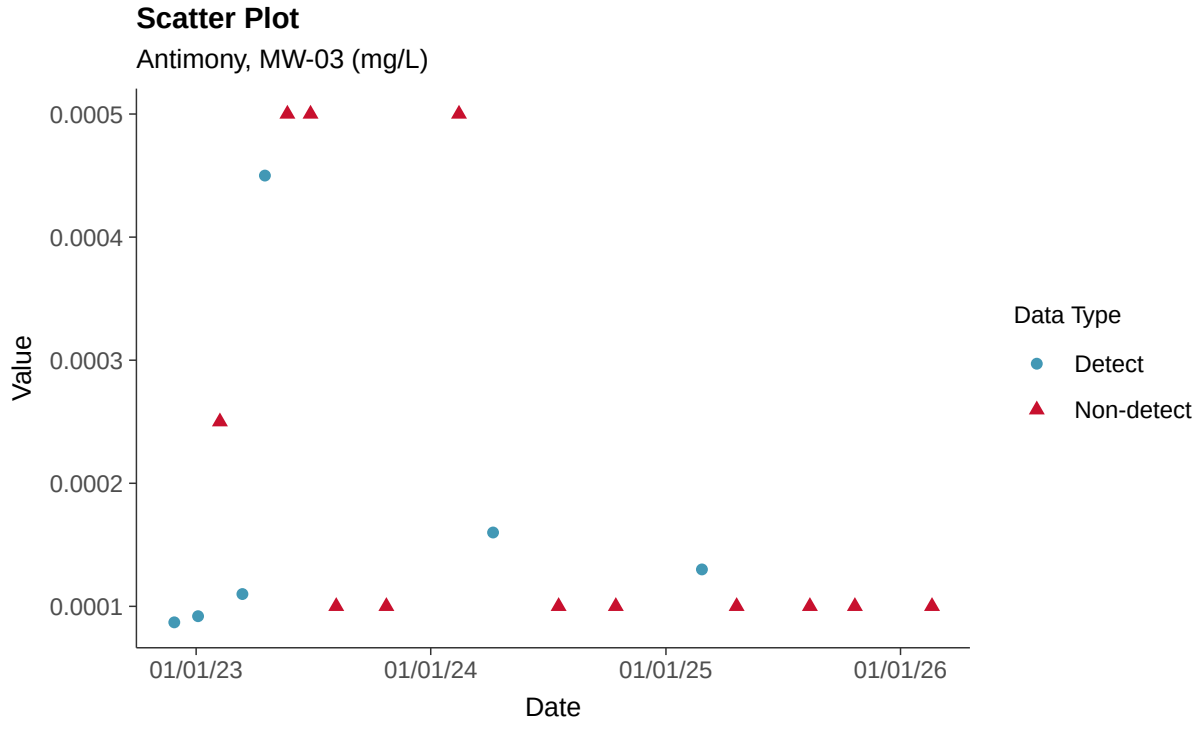
Trend Regression: Piecewise Linear-Linear-Linear

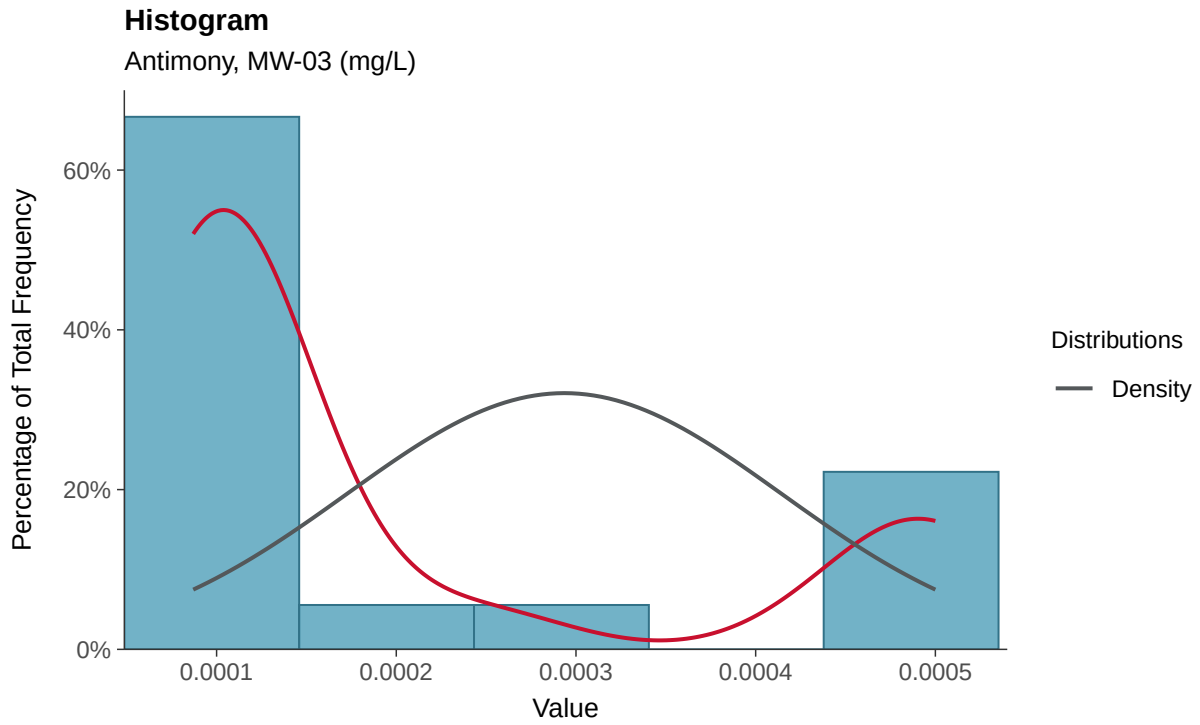
Total Dissolved Solids, MW-03 (mg/L)



Appendix IV: Antimony, MW-03

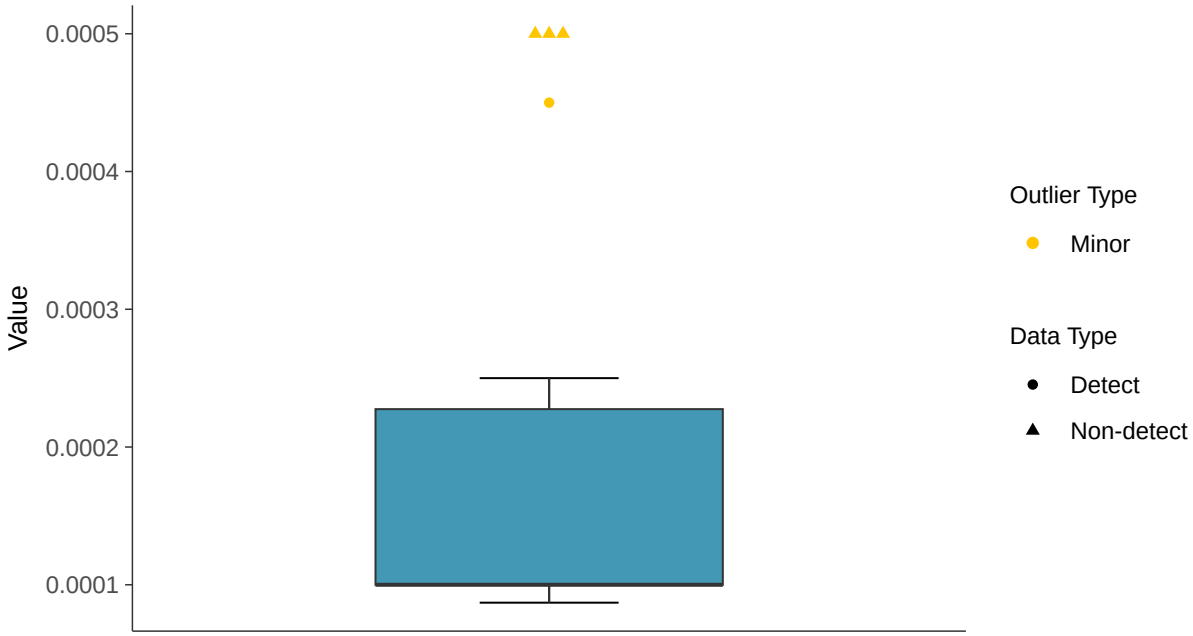
ID: 13_2_4_101





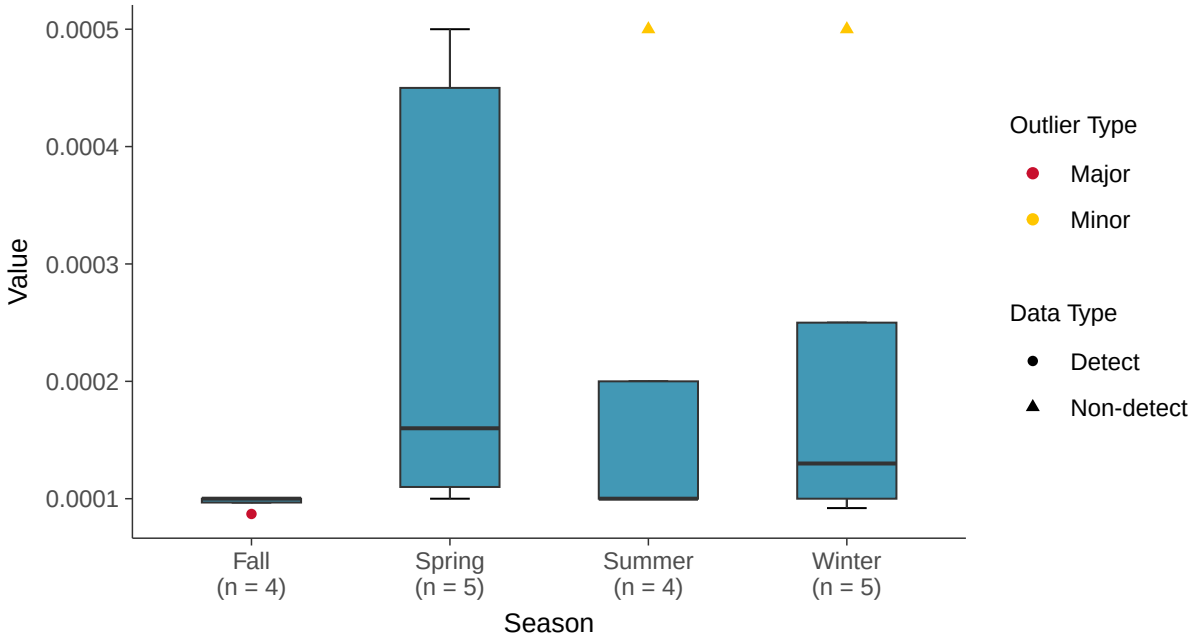
Boxplot

Antimony, MW-03 (mg/L)



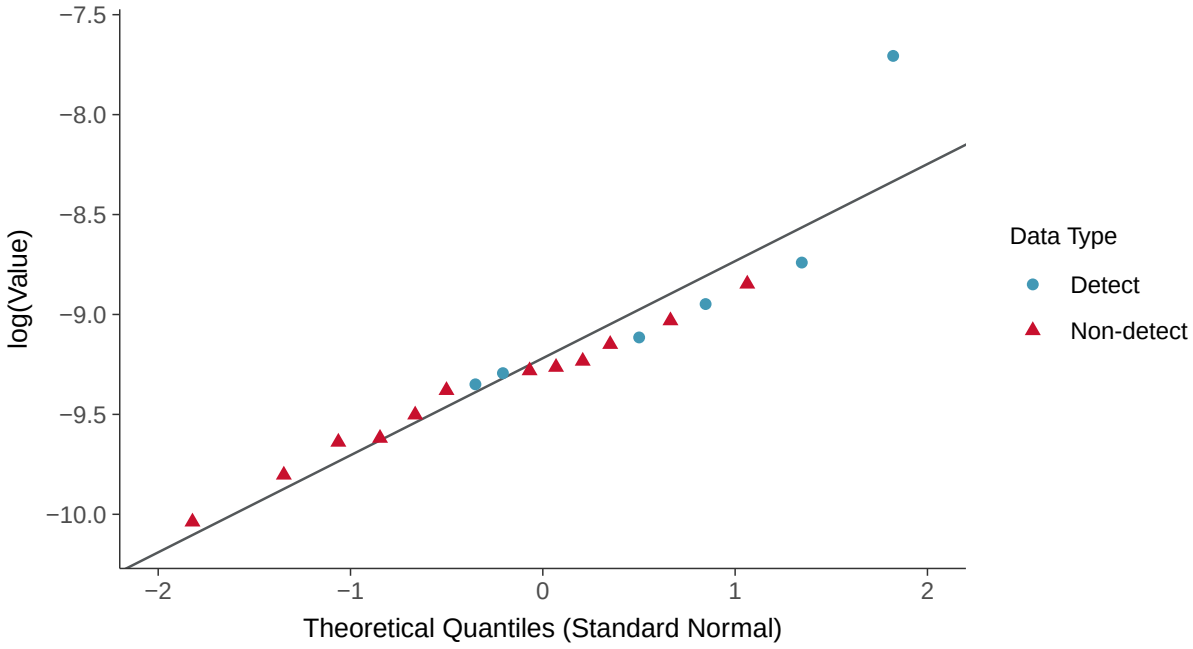
Boxplot by Season

Antimony, MW-03 (mg/L)



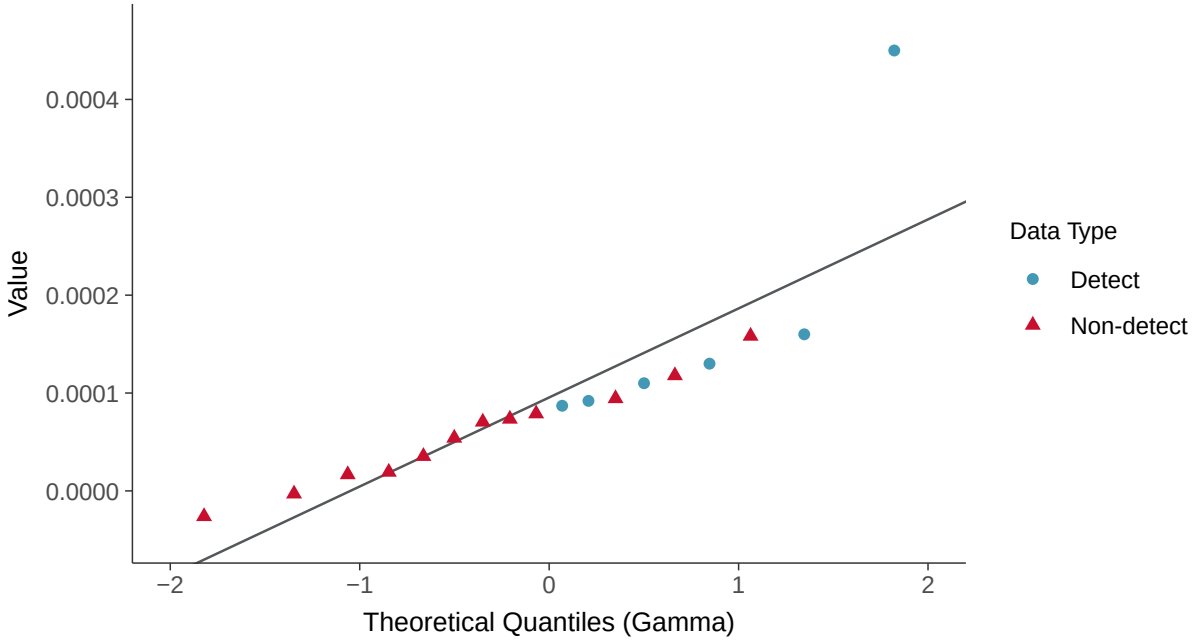
Lognormal Q-Q plot using ROS Imputed Estimates

Antimony, MW-03 (mg/L)



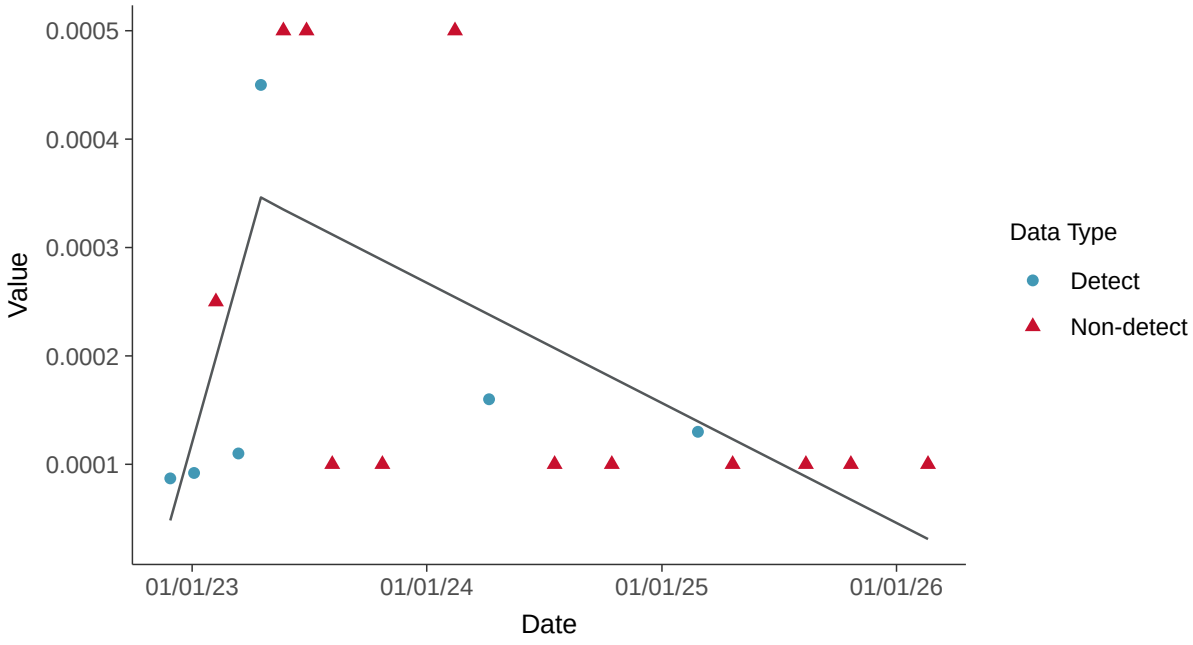
Gamma Q-Q plot using ROS Imputed Estimates

Antimony, MW-03 (mg/L)



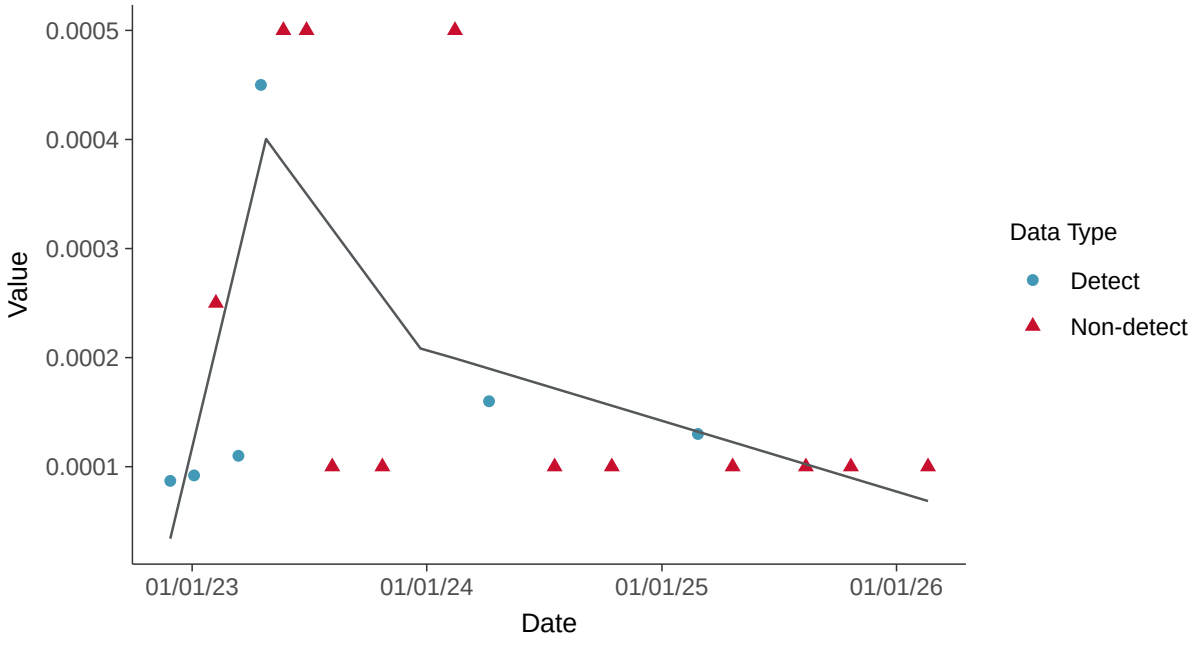
Trend Regression: Piecewise Linear-Linear

Antimony, MW-03 (mg/L)



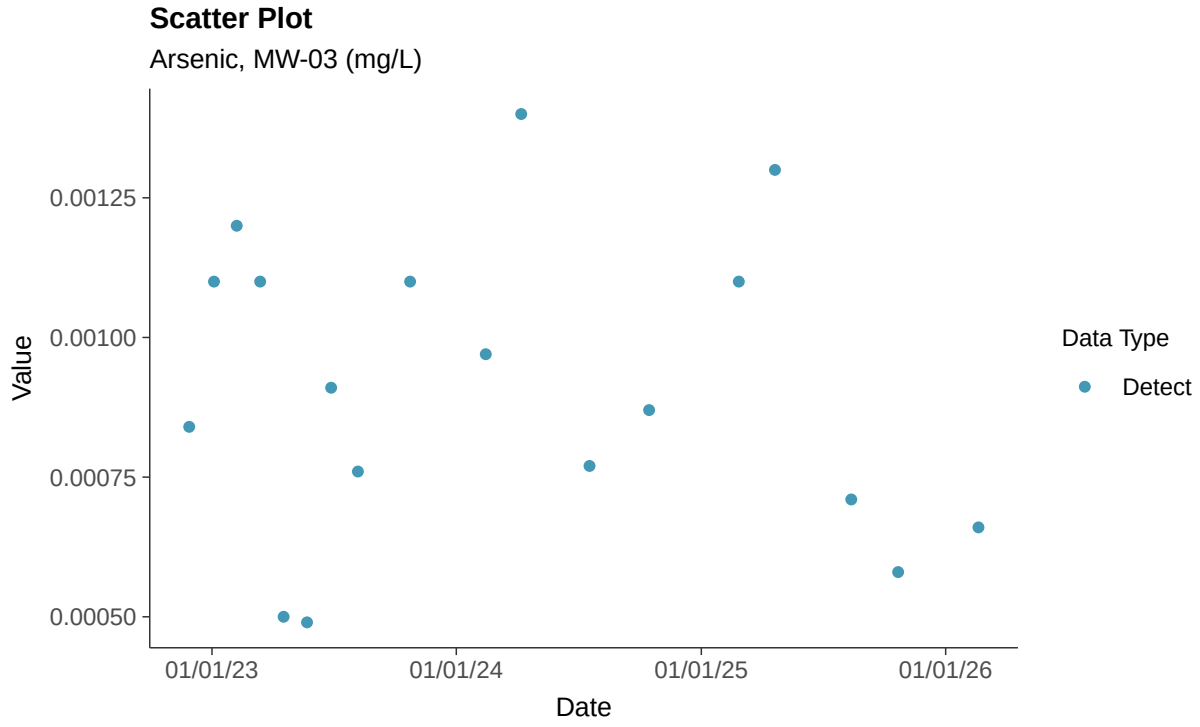
Trend Regression: Piecewise Linear-Linear-Linear

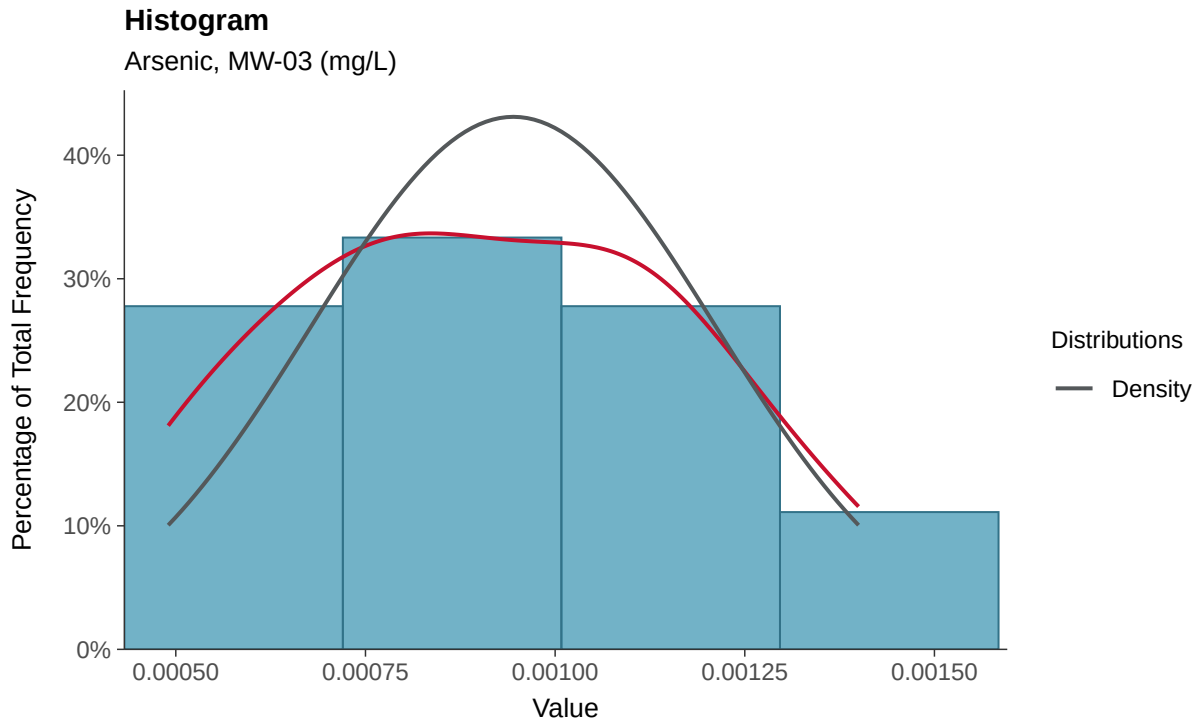
Antimony, MW-03 (mg/L)



Appendix IV: Arsenic, MW-03

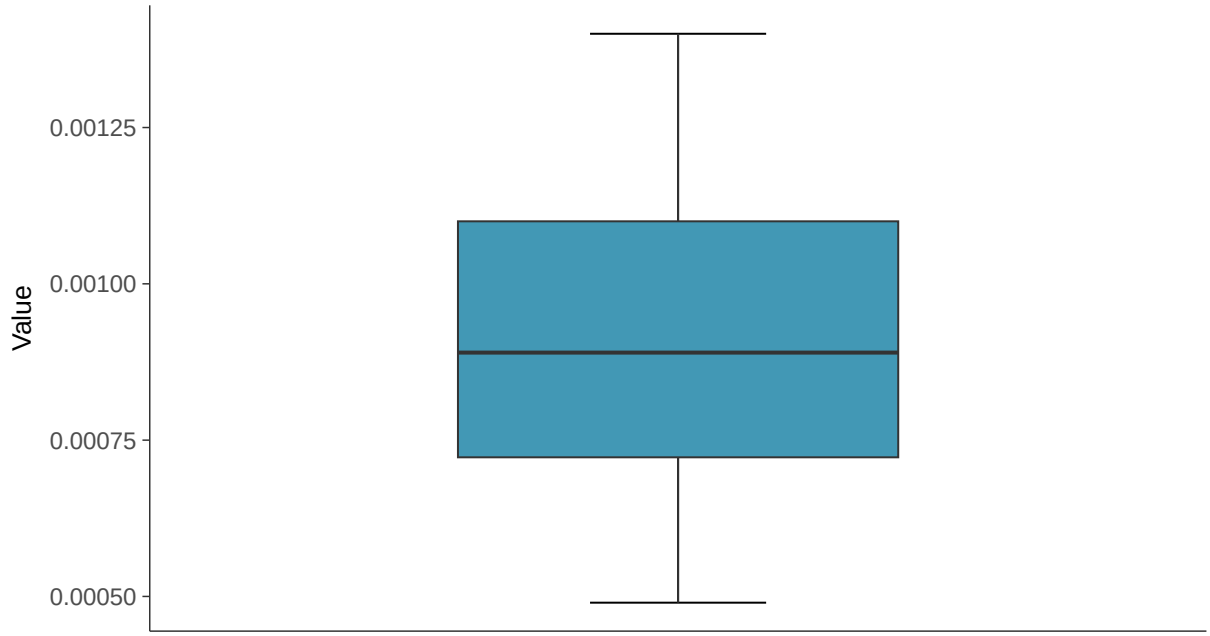
ID: 13_2_4_102





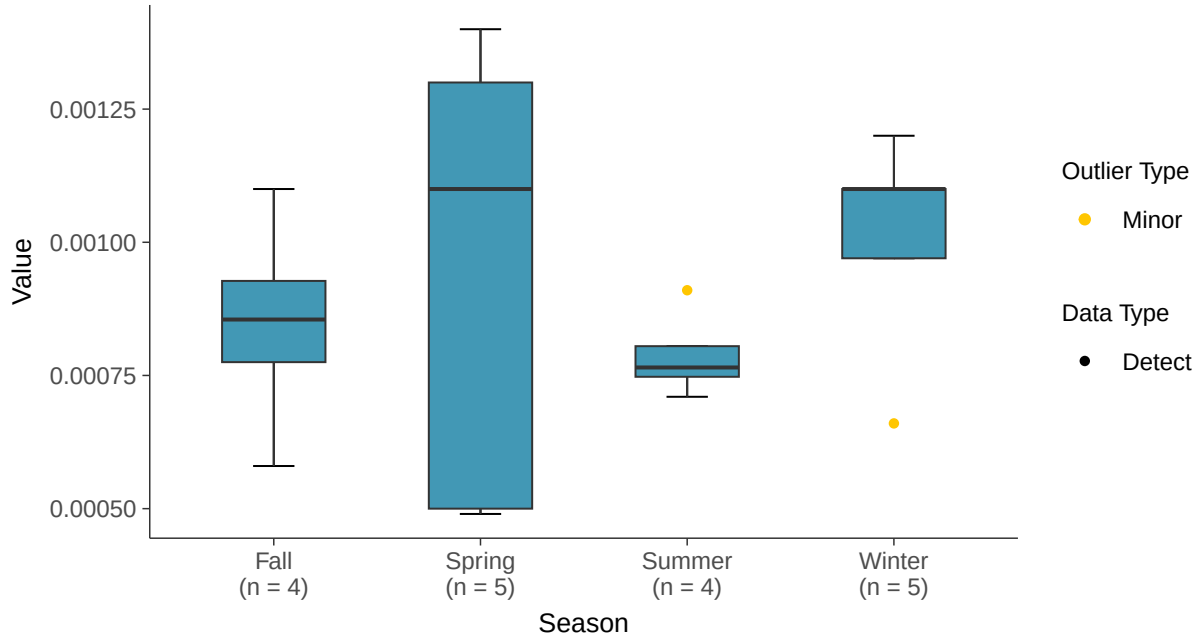
Boxplot

Arsenic, MW-03 (mg/L)



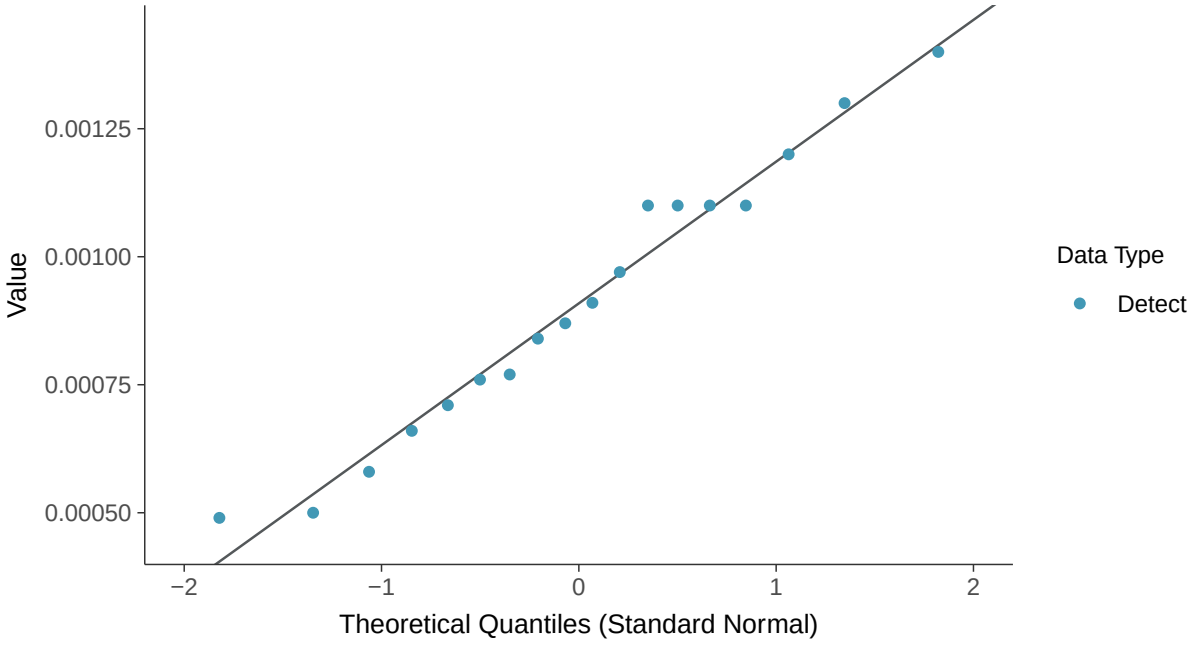
Boxplot by Season

Arsenic, MW-03 (mg/L)



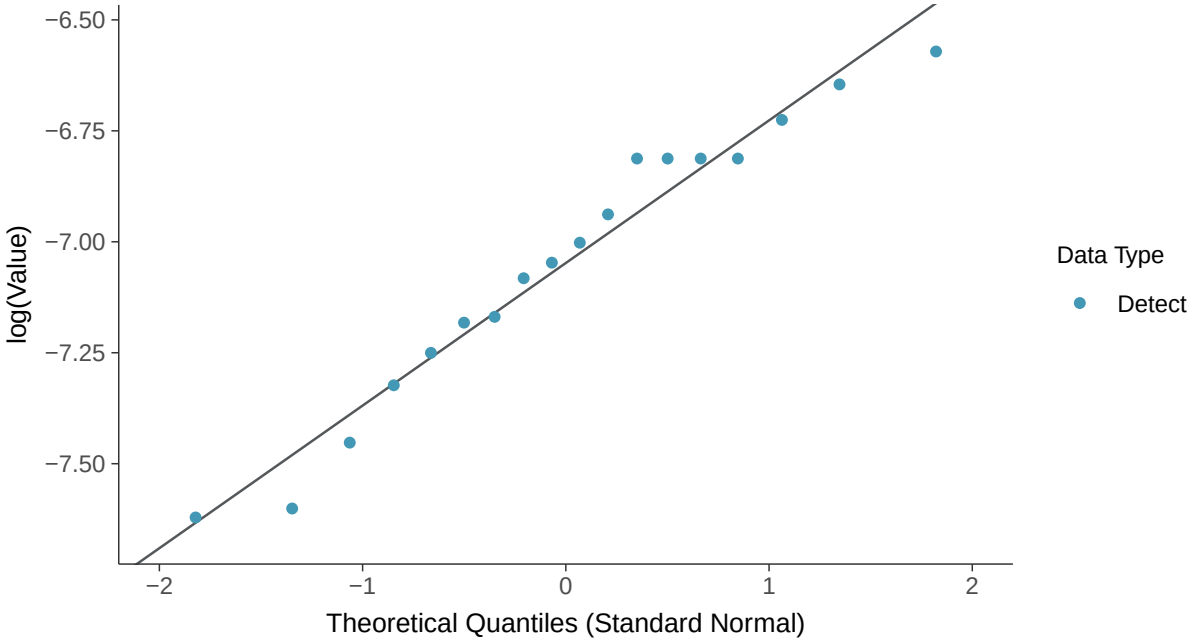
Normal Q-Q plot

Arsenic, MW-03 (mg/L)



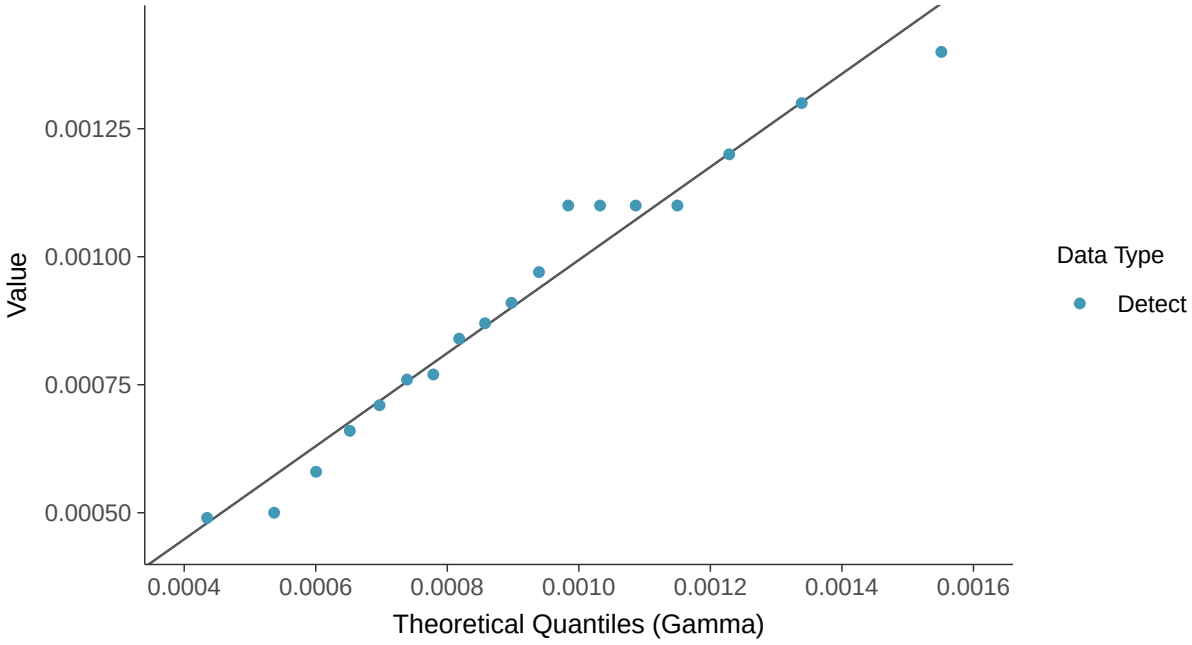
Lognormal Q-Q plot

Arsenic, MW-03 (mg/L)



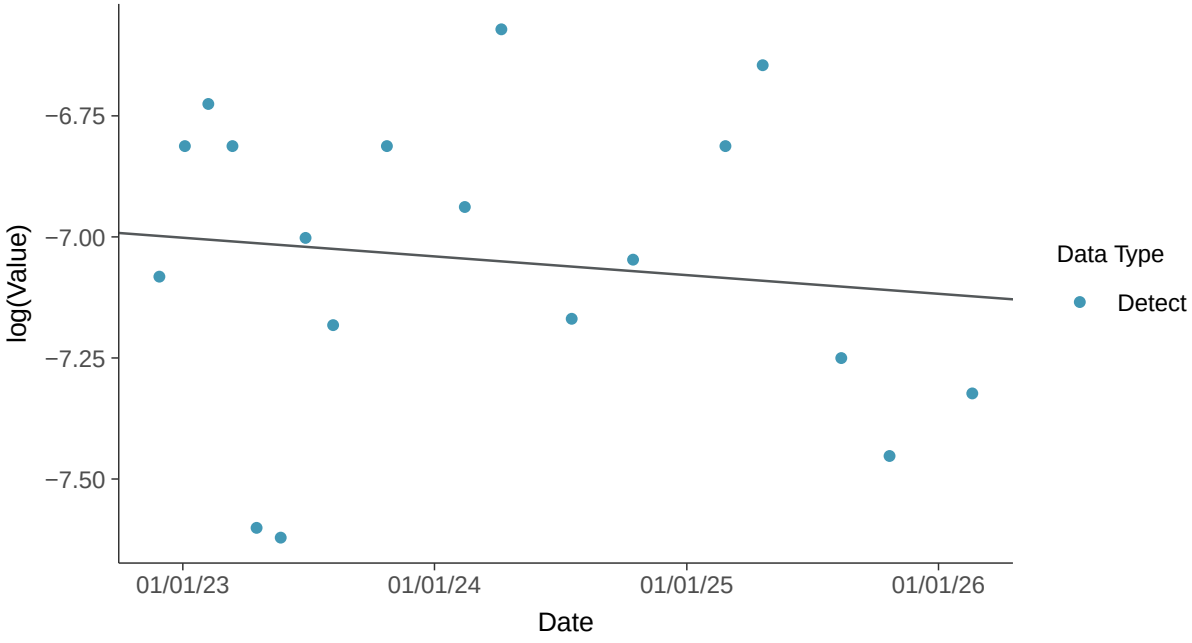
Gamma Q-Q plot

Arsenic, MW-03 (mg/L)



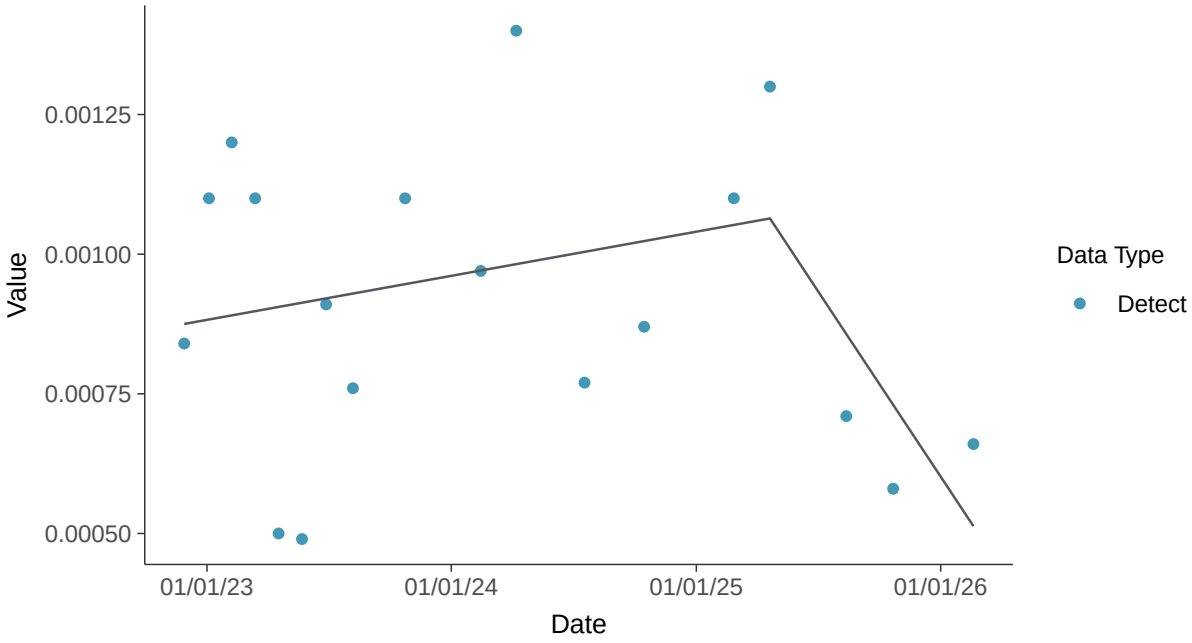
Trend Regression: Lognormal MLE

Arsenic, MW-03 (mg/L)



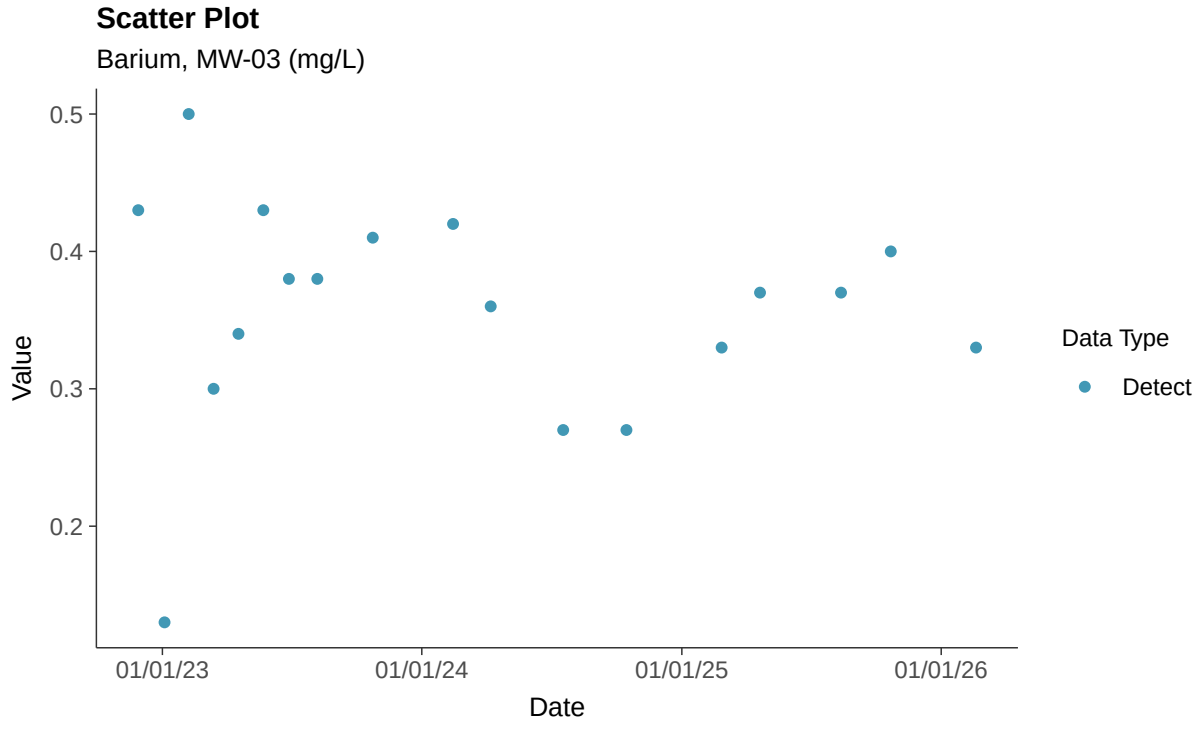
Trend Regression: Piecewise Linear-Linear

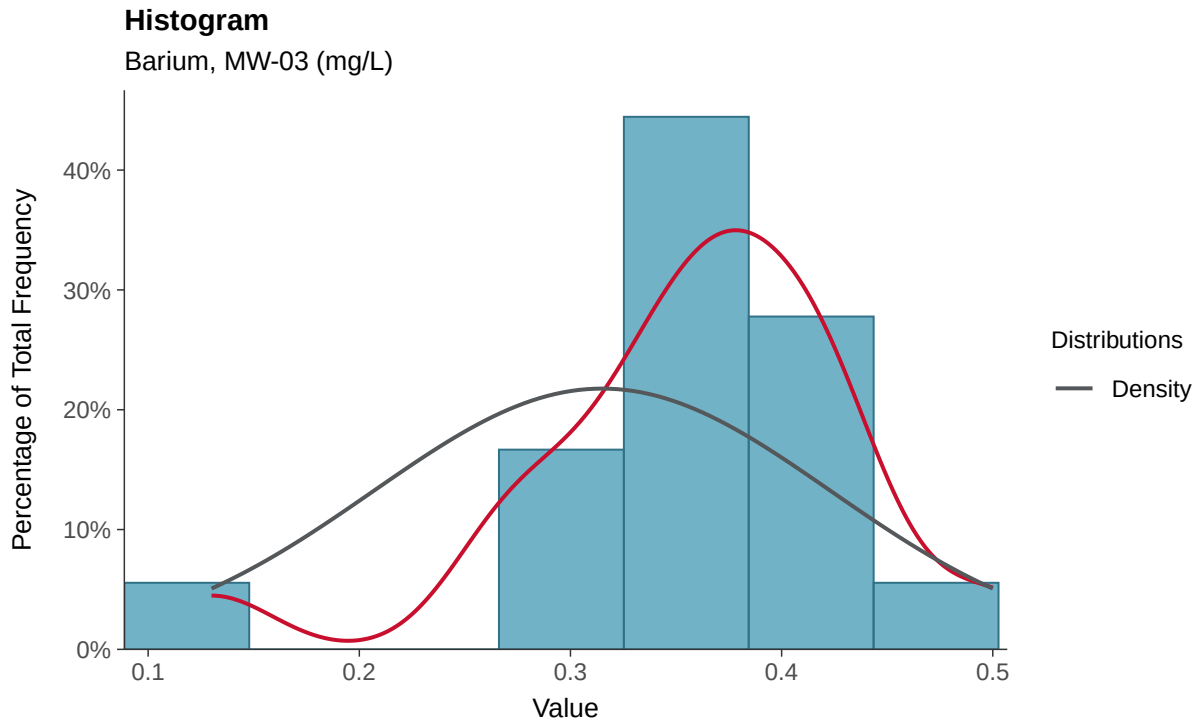
Arsenic, MW-03 (mg/L)



Appendix IV: Barium, MW-03

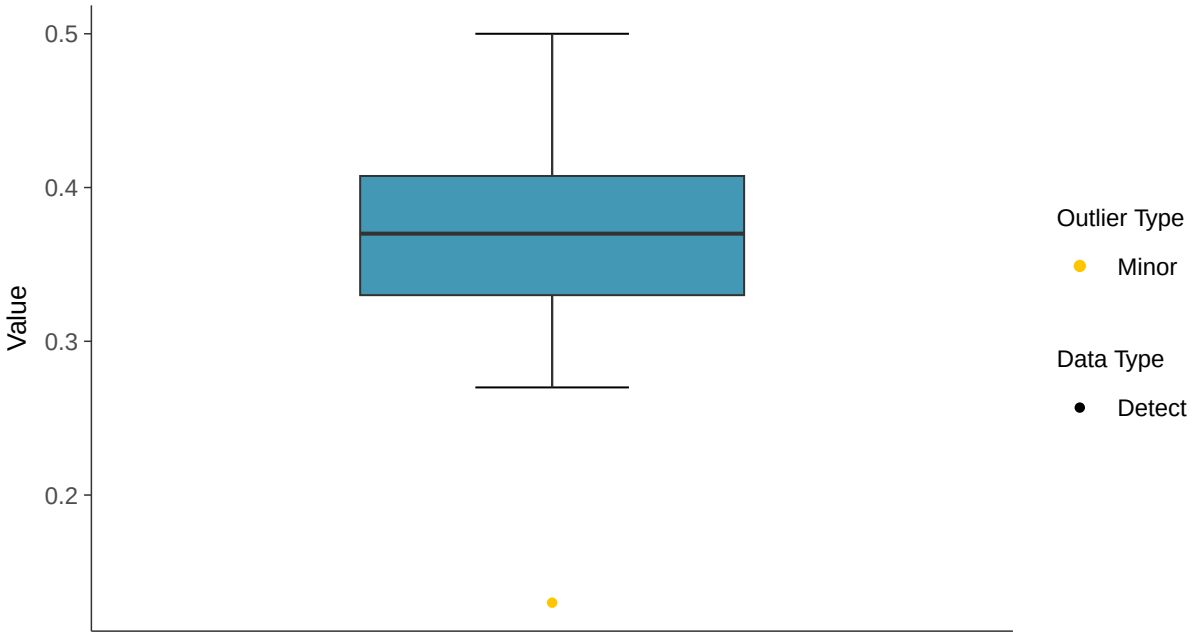
ID: 13_2_4_103





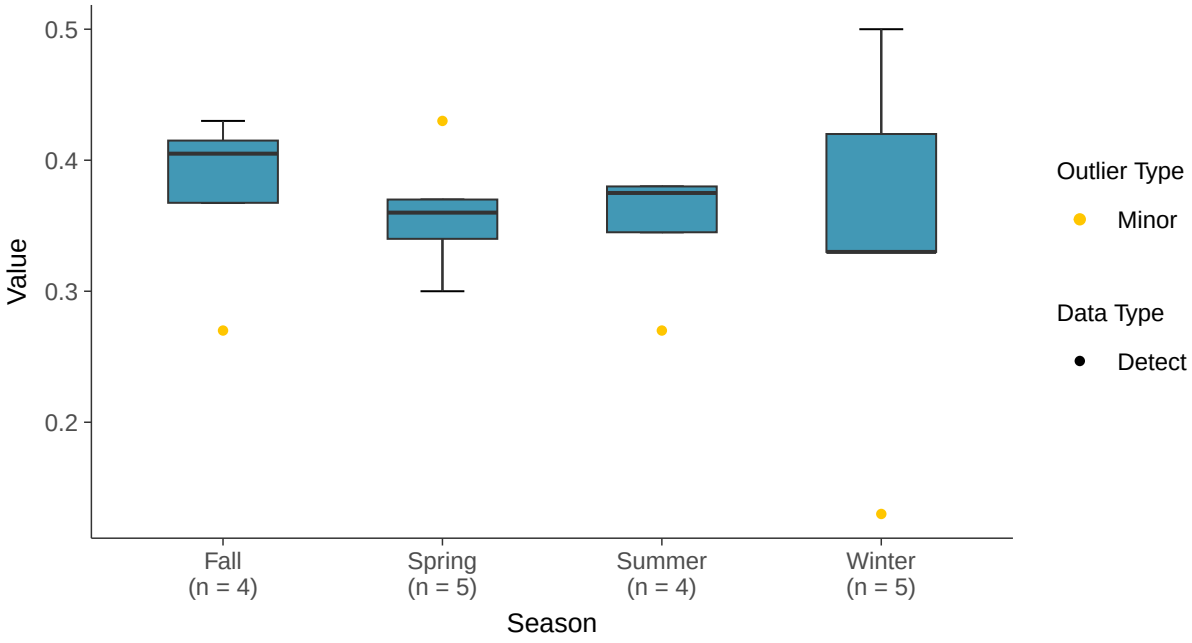
Boxplot

Barium, MW-03 (mg/L)



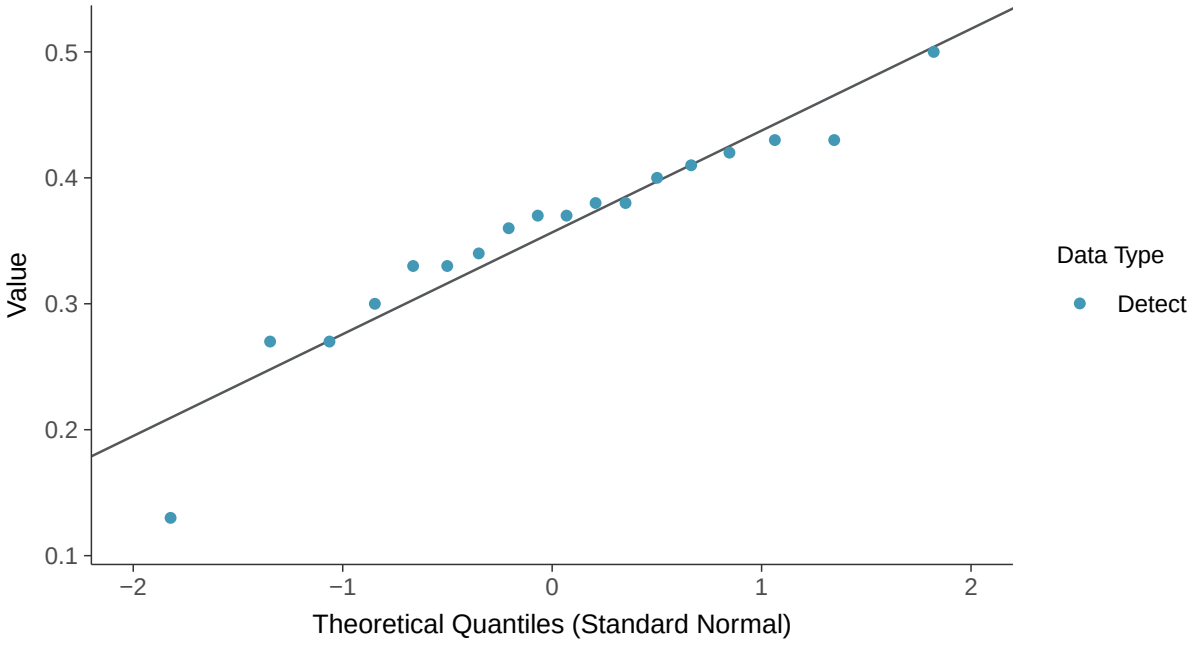
Boxplot by Season

Barium, MW-03 (mg/L)



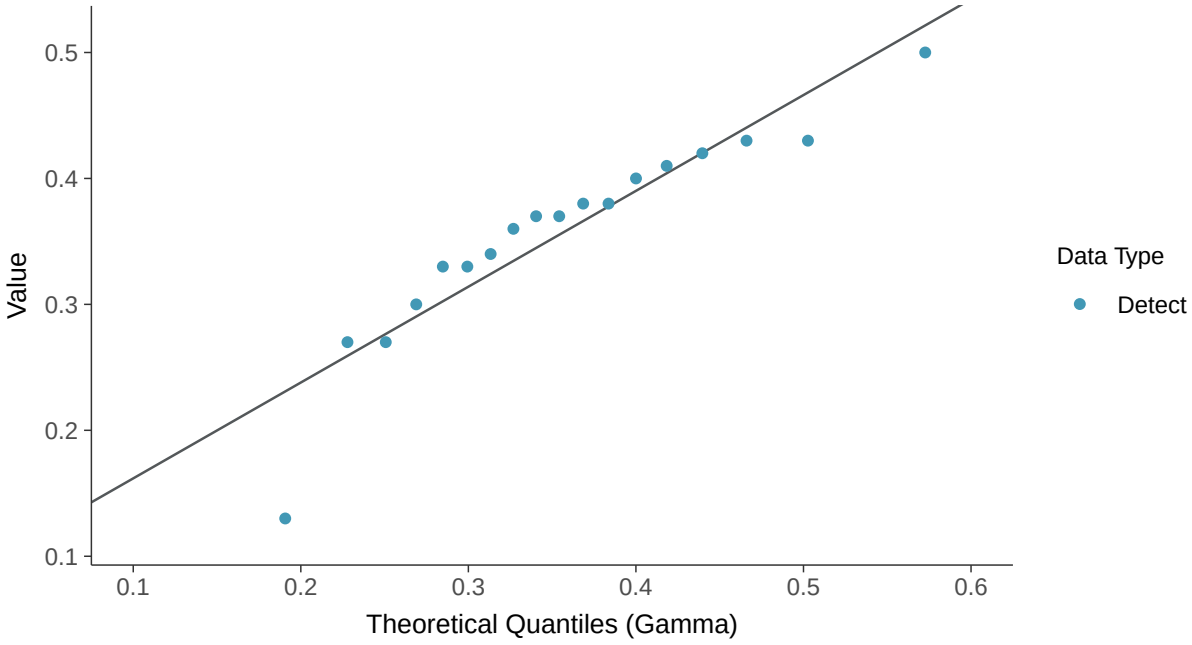
Normal Q-Q plot

Barium, MW-03 (mg/L)



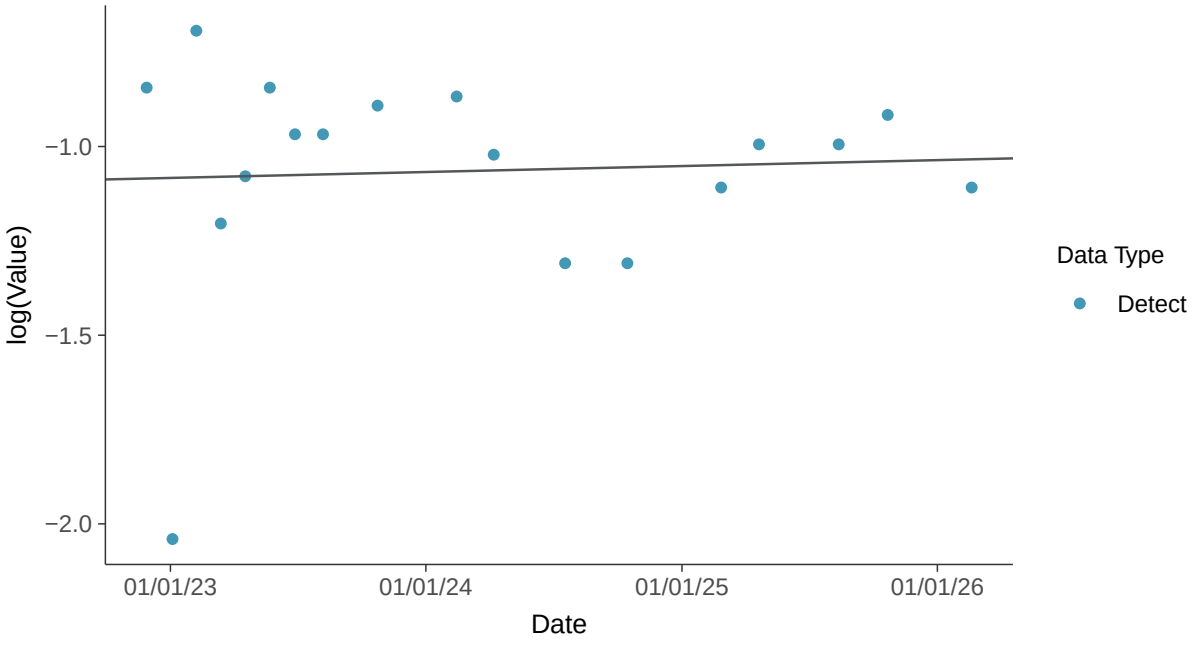
Gamma Q-Q plot

Barium, MW-03 (mg/L)



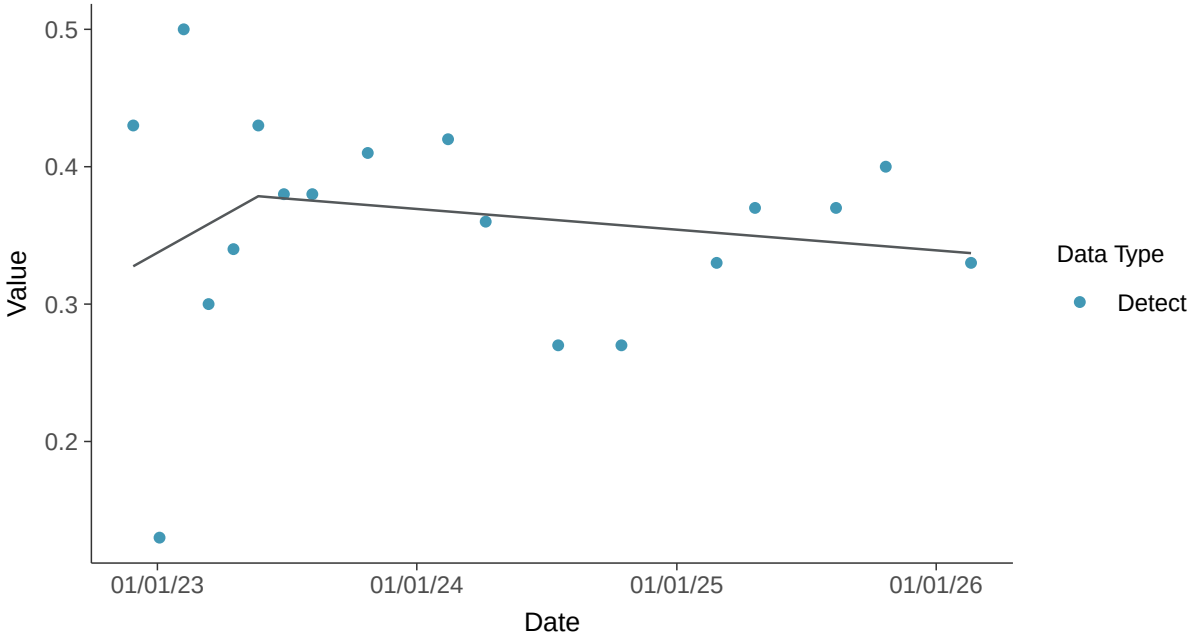
Trend Regression: Lognormal MLE

Barium, MW-03 (mg/L)



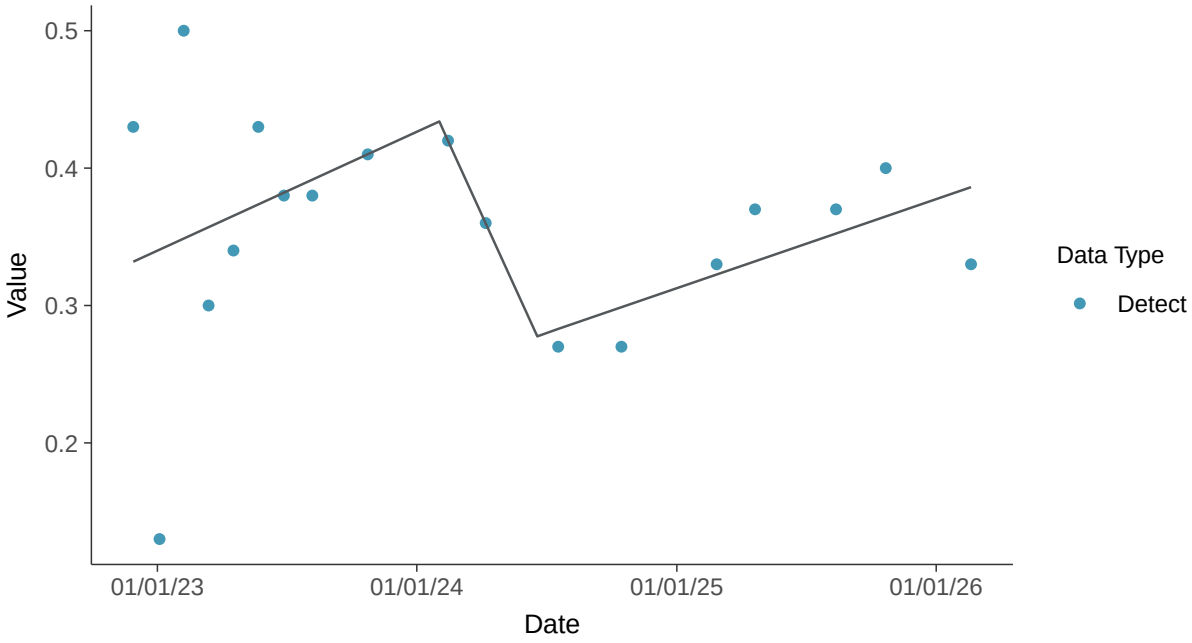
Trend Regression: Piecewise Linear-Linear

Barium, MW-03 (mg/L)



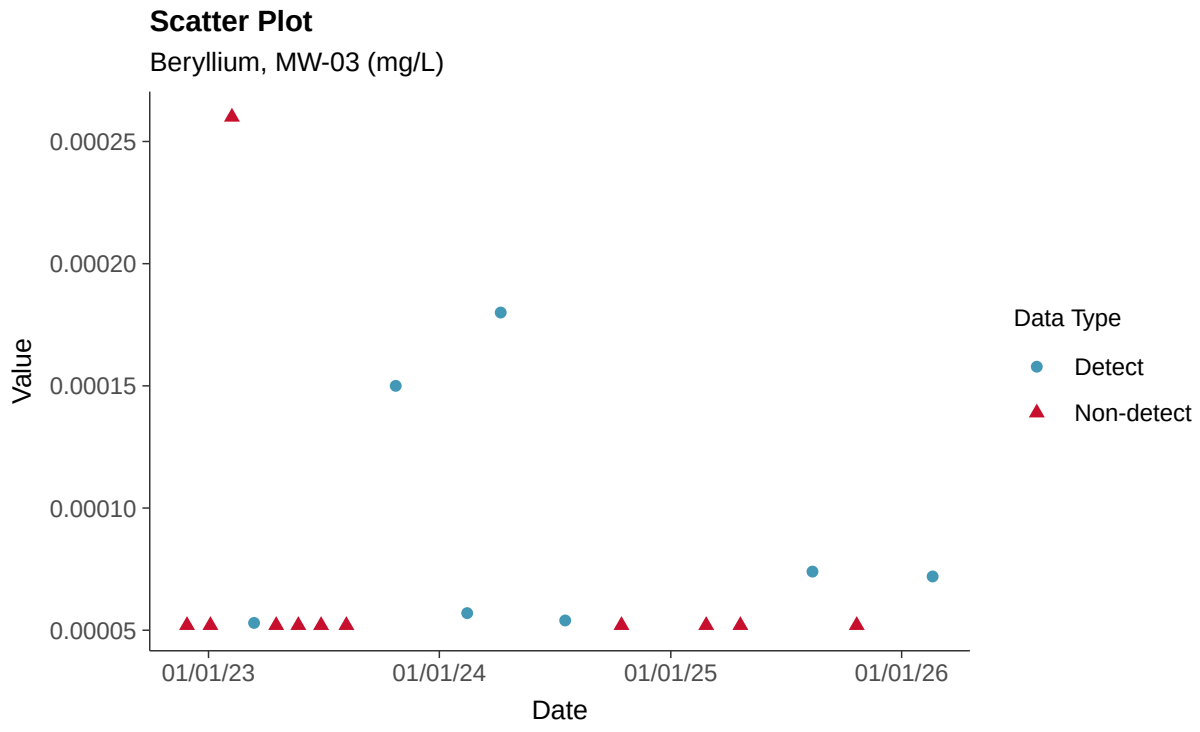
Trend Regression: Piecewise Linear-Linear-Linear

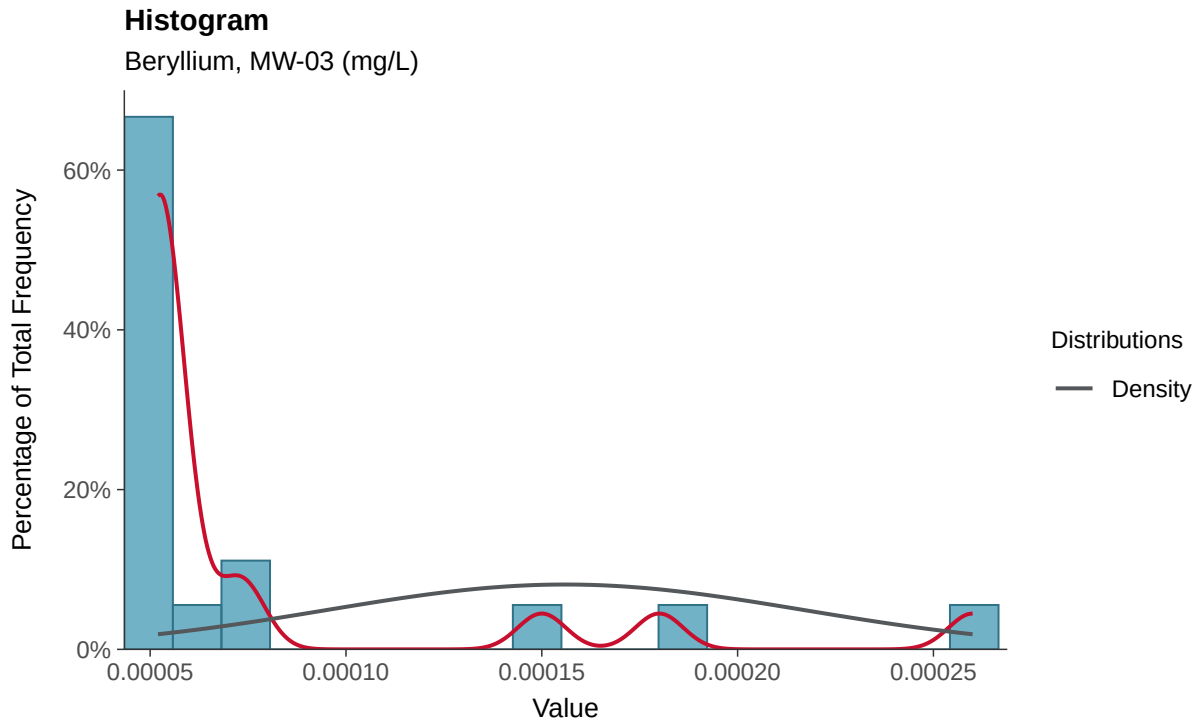
Barium, MW-03 (mg/L)



Appendix IV: Beryllium, MW-03

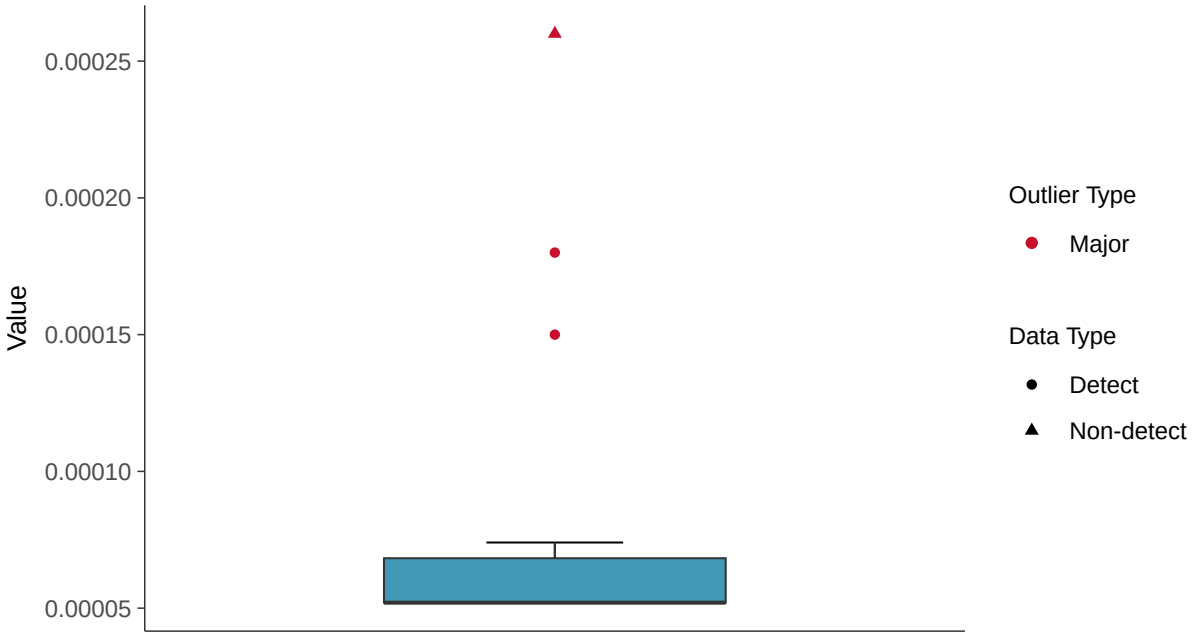
ID: 13_2_4_104





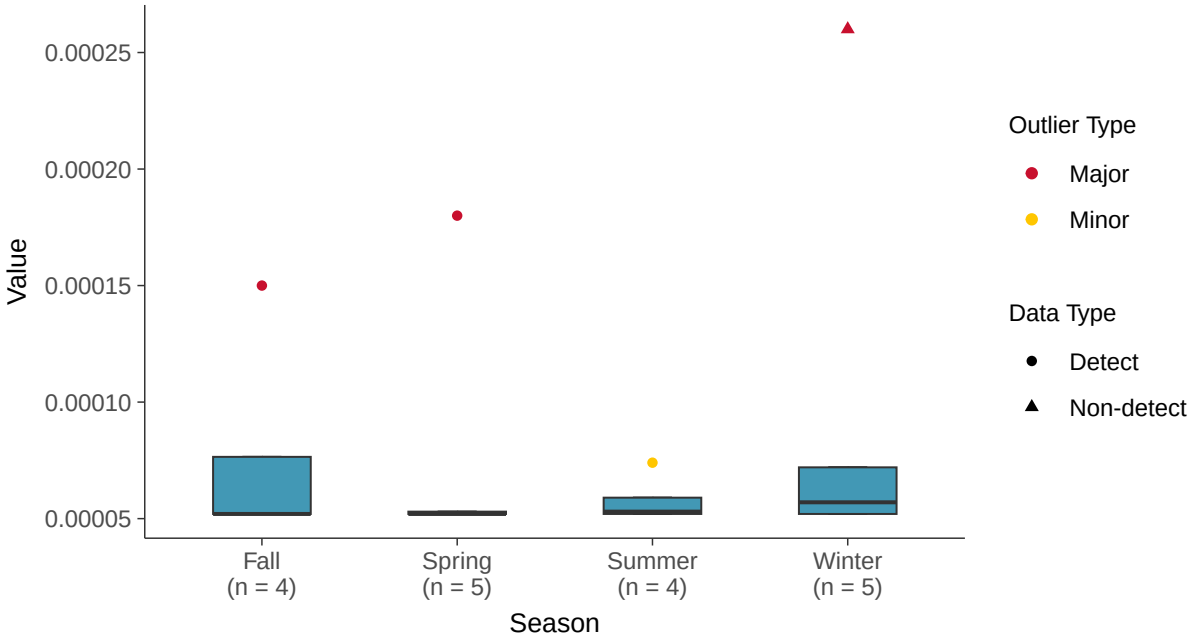
Boxplot

Beryllium, MW-03 (mg/L)



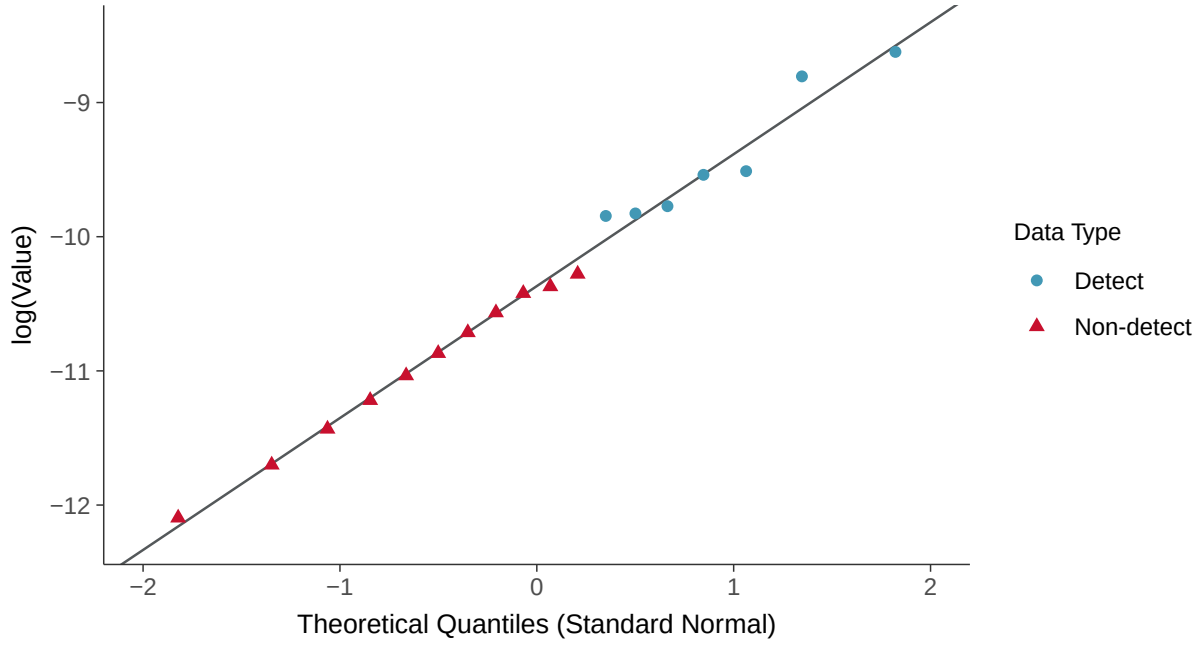
Boxplot by Season

Beryllium, MW-03 (mg/L)



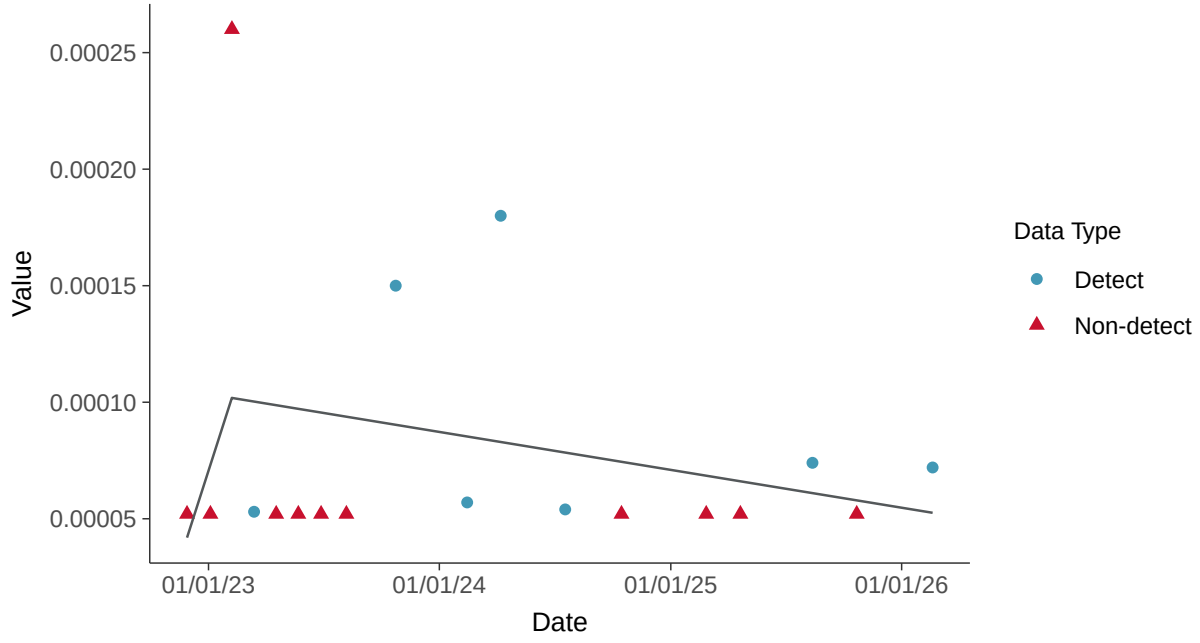
Lognormal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-03 (mg/L)



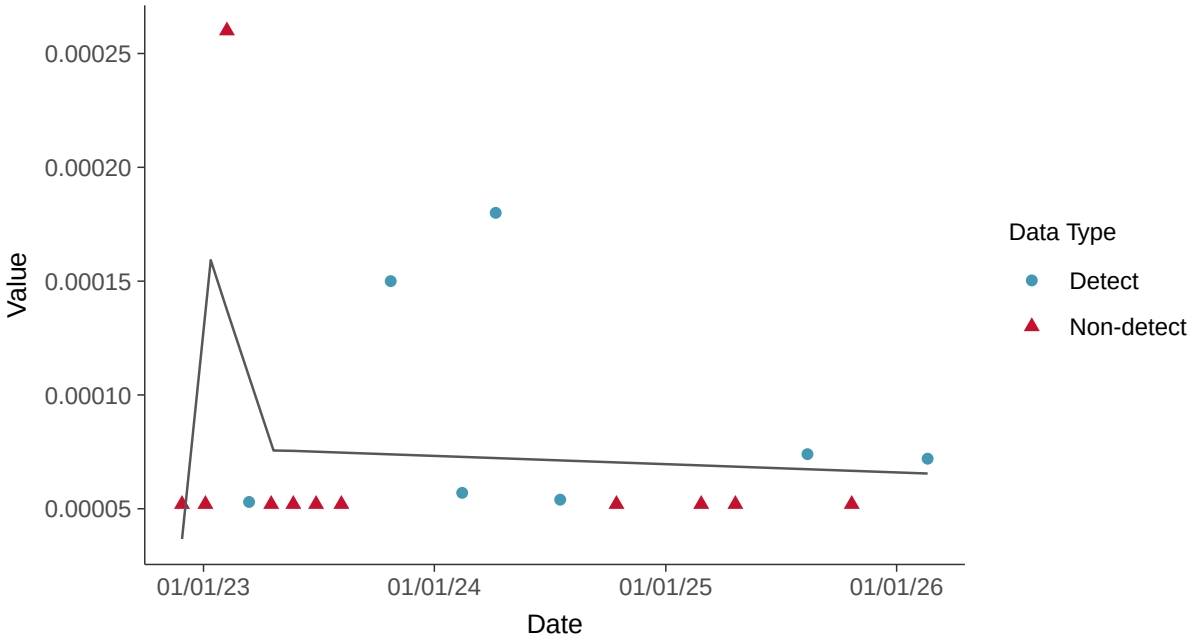
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-03 (mg/L)



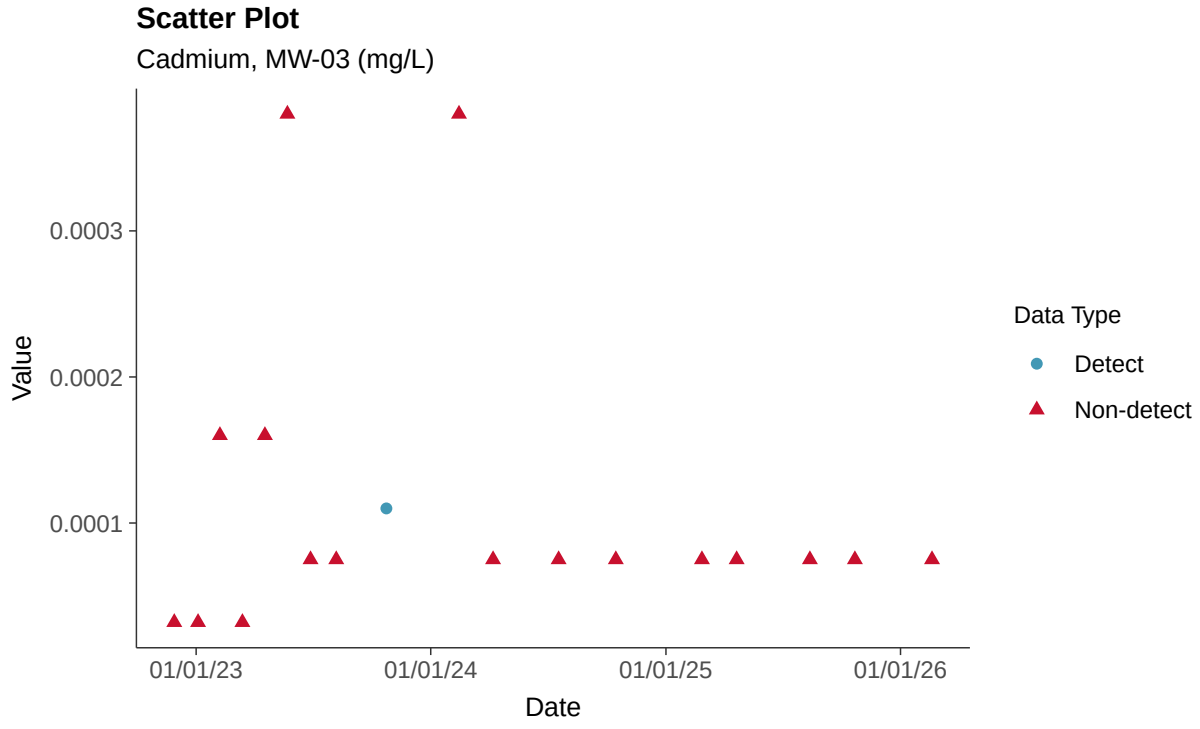
Trend Regression: Piecewise Linear-Linear-Linear

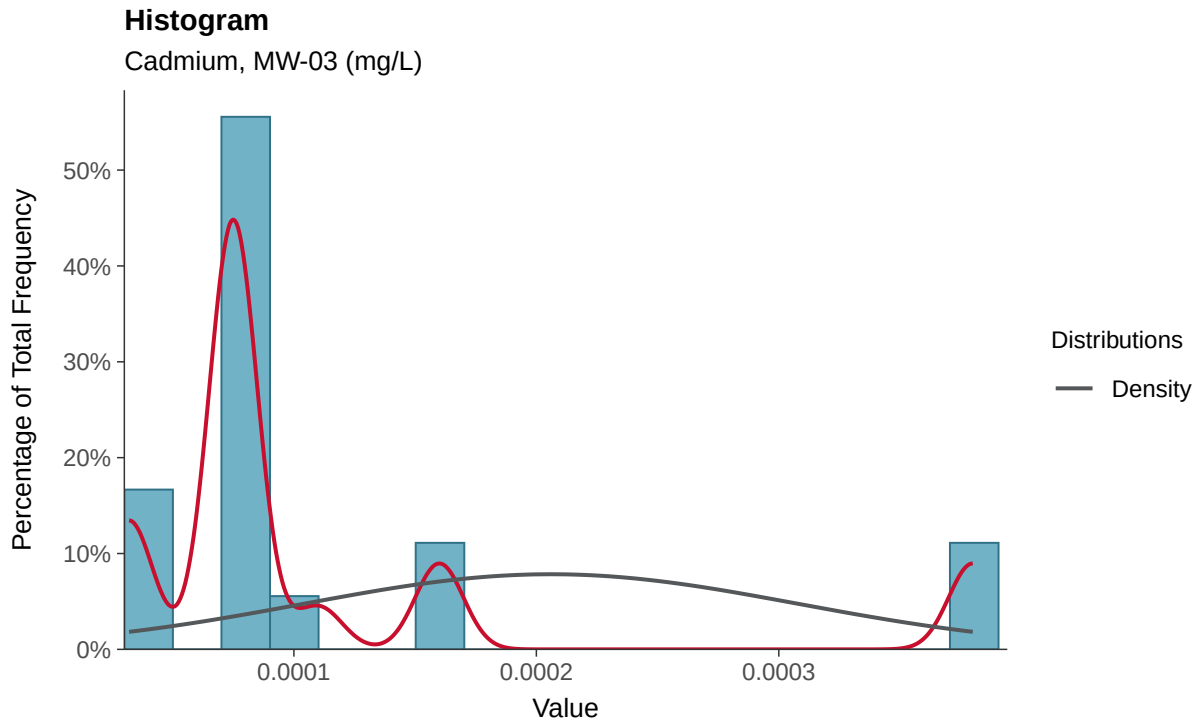
Beryllium, MW-03 (mg/L)



Appendix IV: Cadmium, MW-03

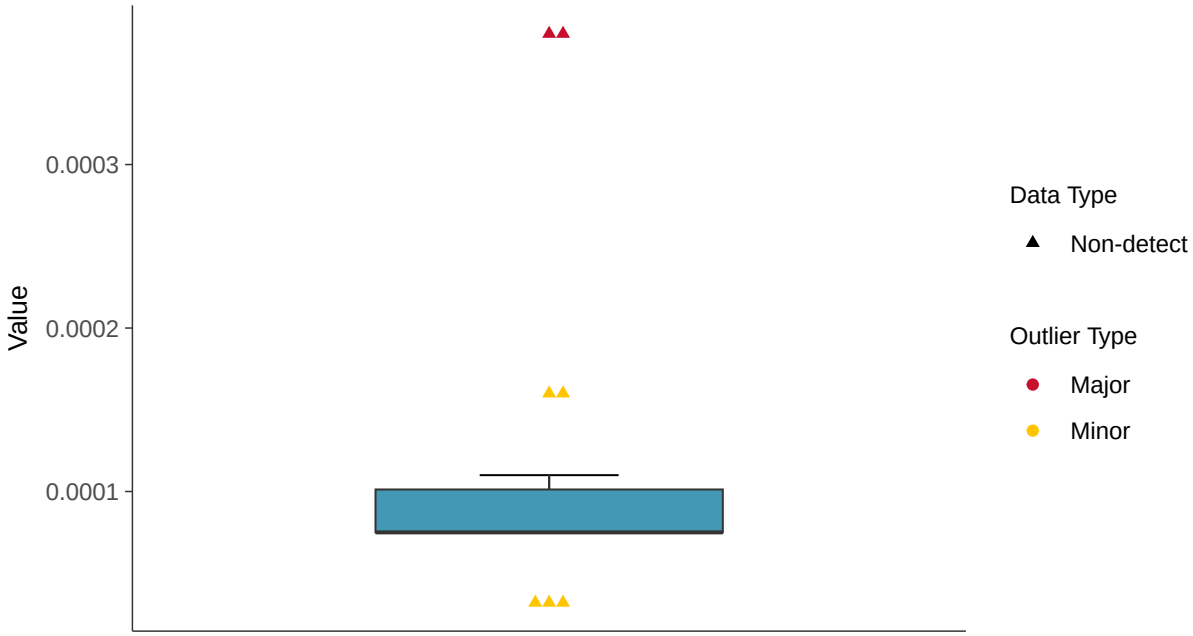
ID: 13_2_4_106





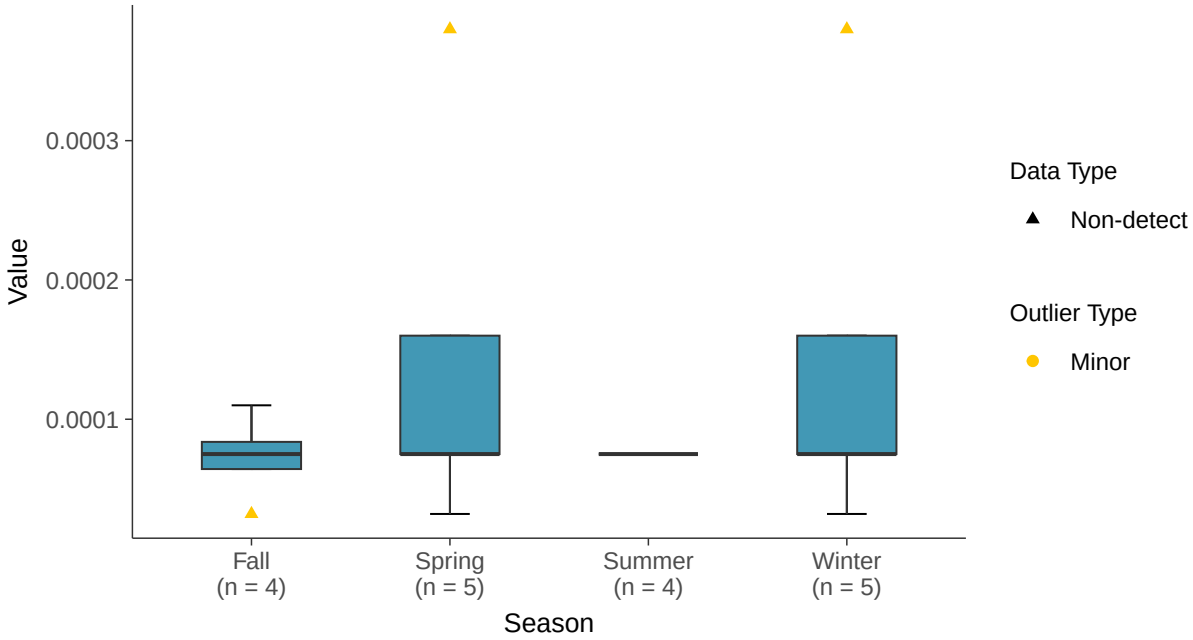
Boxplot

Cadmium, MW-03 (mg/L)



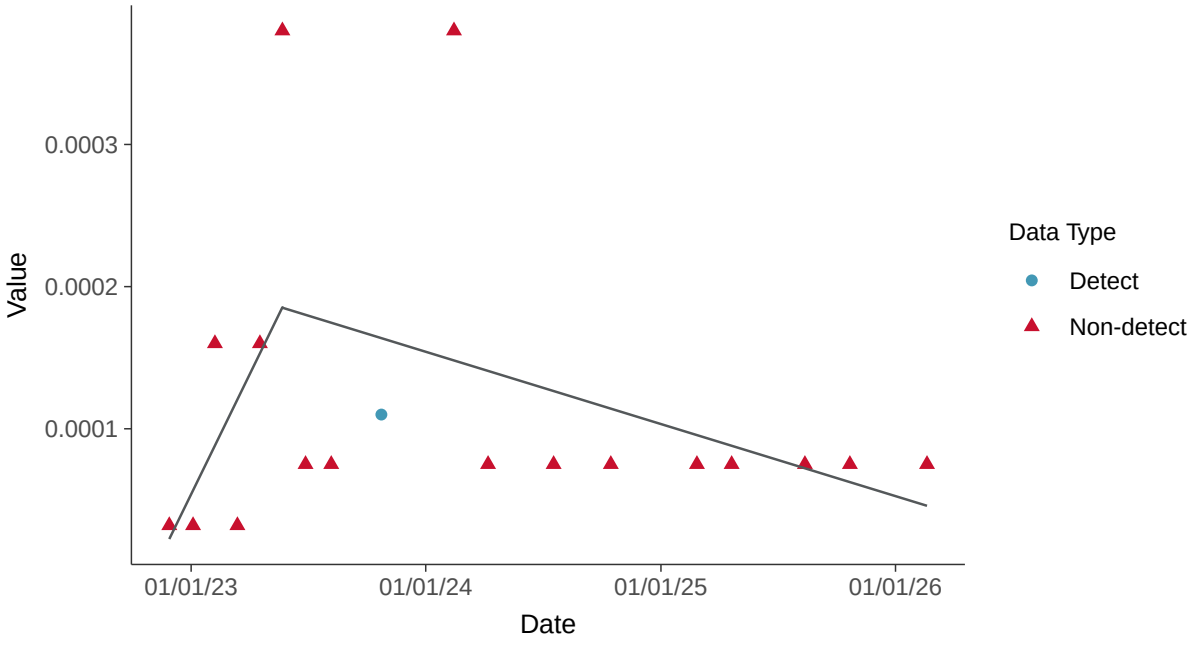
Boxplot by Season

Cadmium, MW-03 (mg/L)



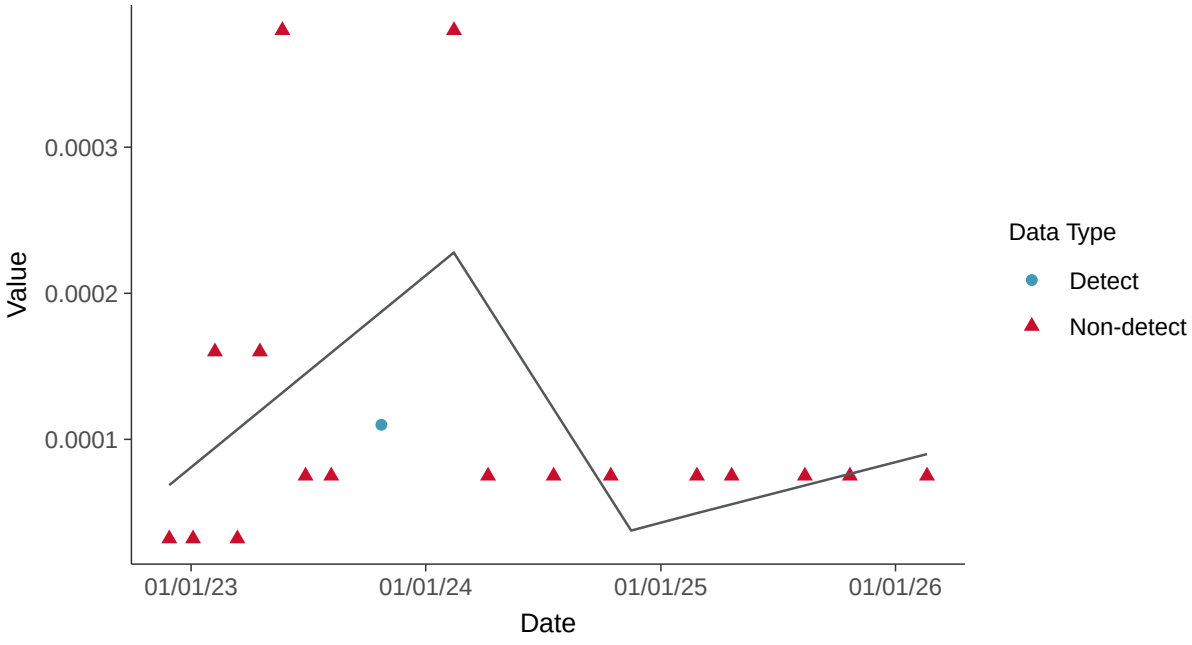
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-03 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Cadmium, MW-03 (mg/L)

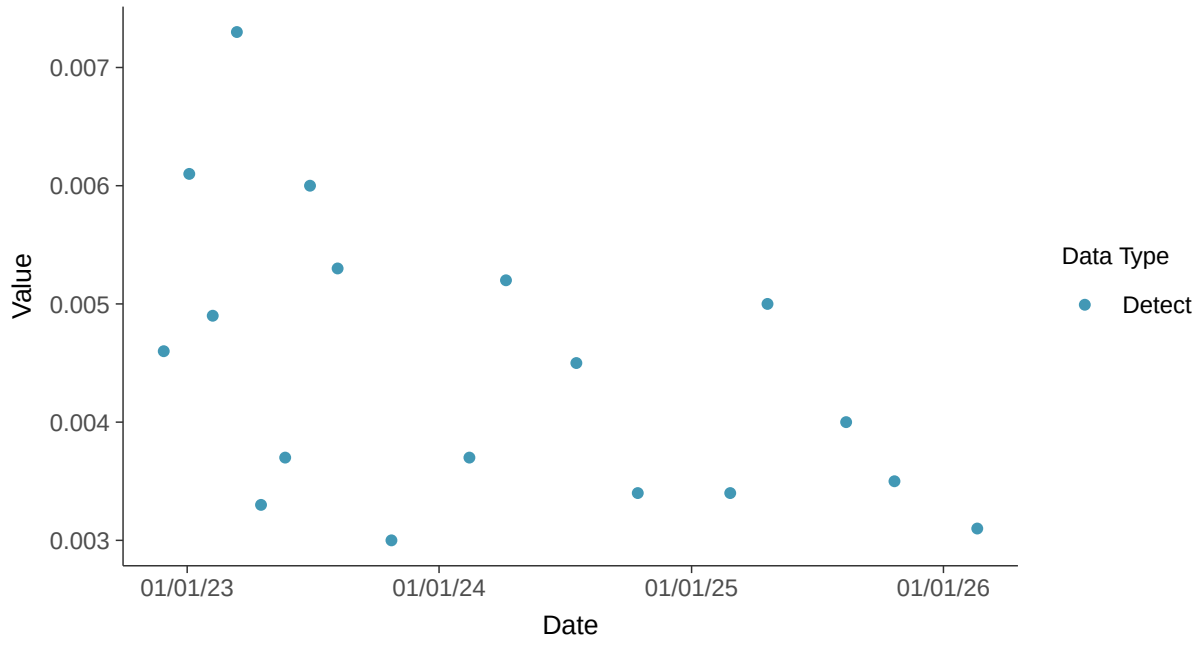


Appendix IV: Chromium, Total, MW-03

ID: 13_2_4_109

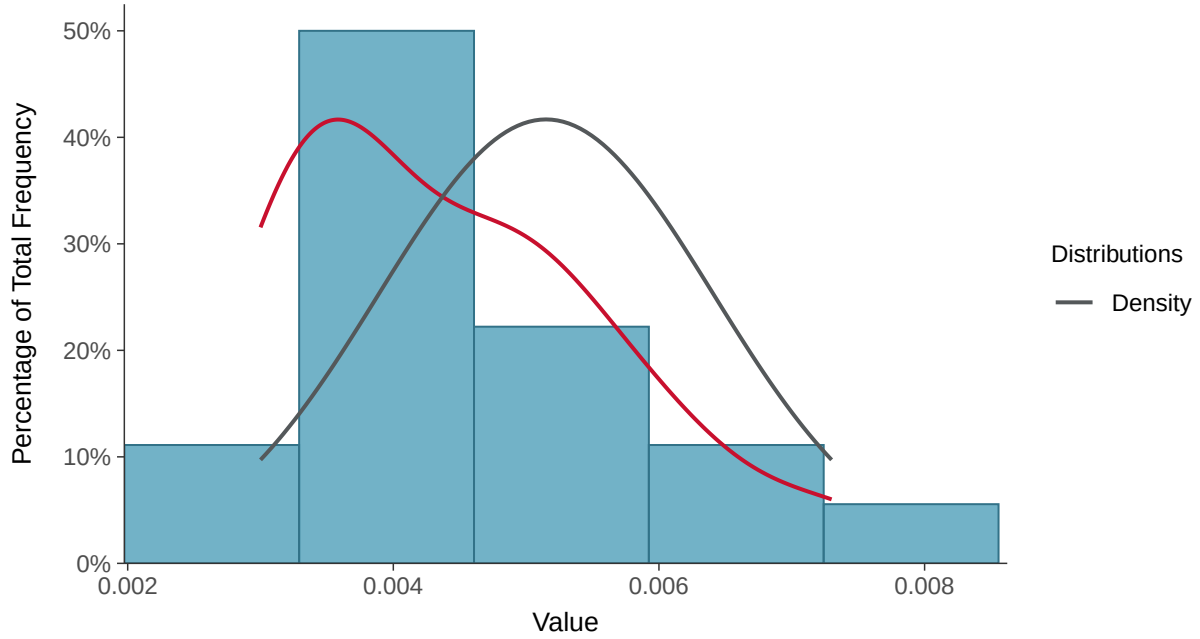
Scatter Plot

Chromium, Total, MW-03 (mg/L)



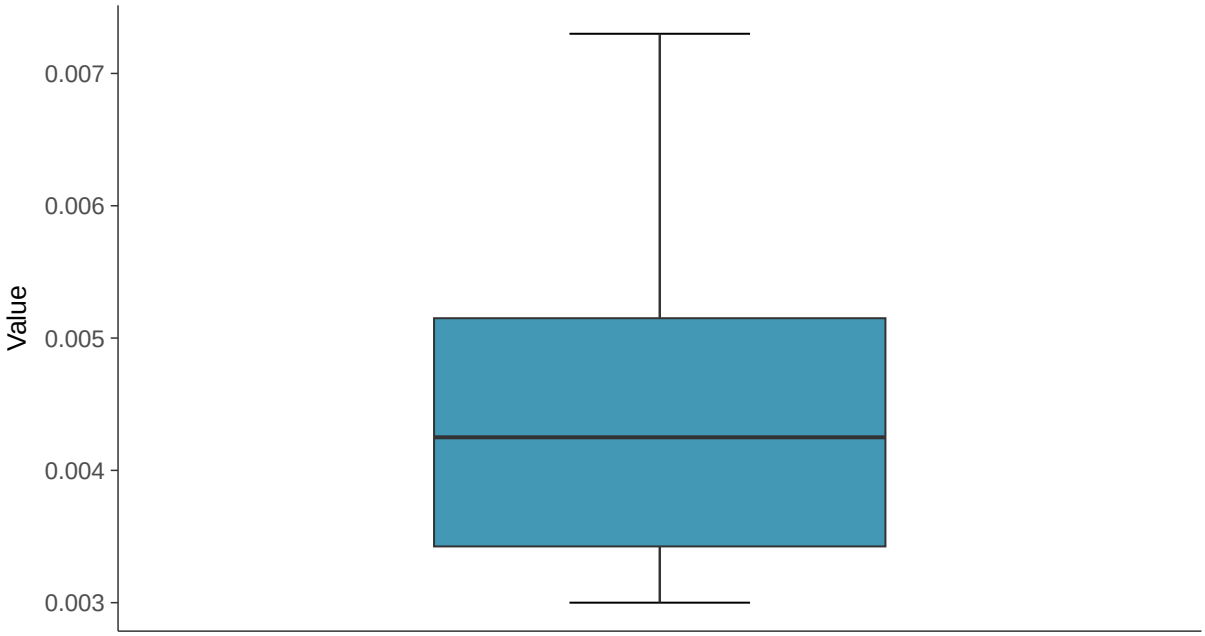
Histogram

Chromium, Total, MW-03 (mg/L)



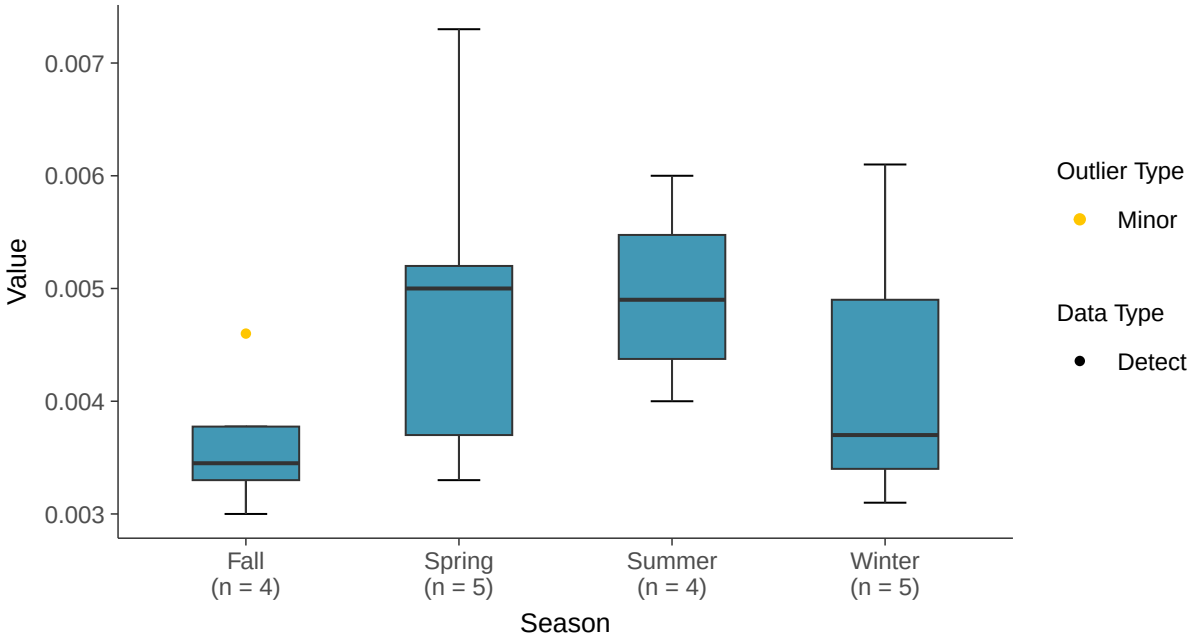
Boxplot

Chromium, Total, MW-03 (mg/L)



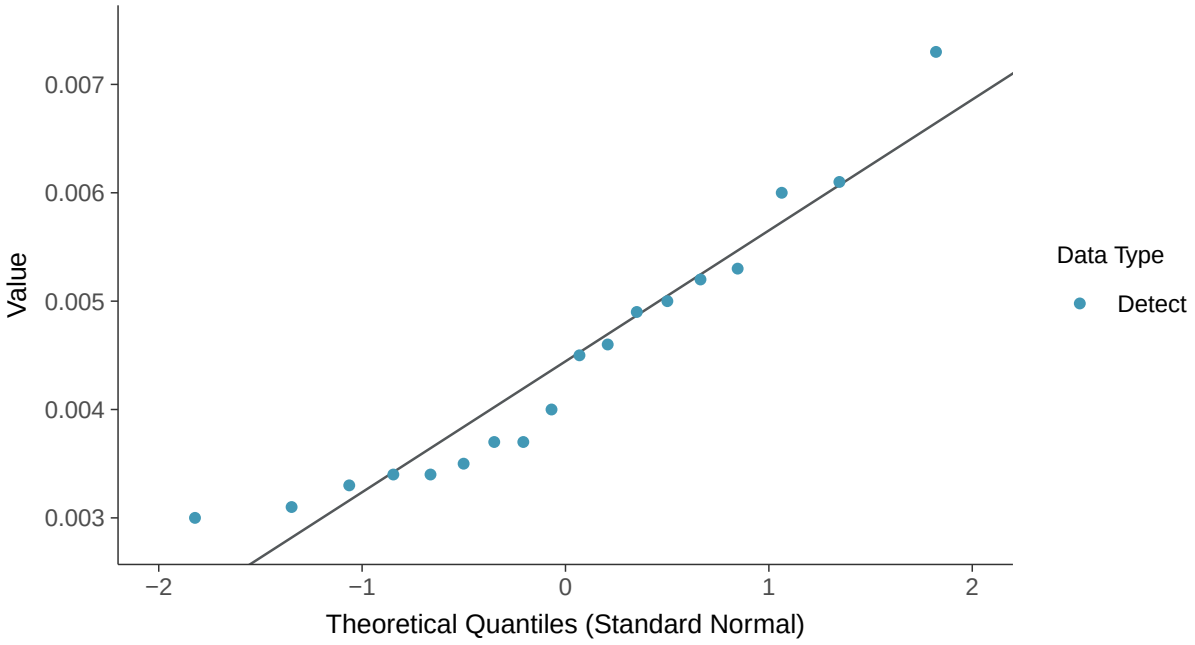
Boxplot by Season

Chromium, Total, MW-03 (mg/L)



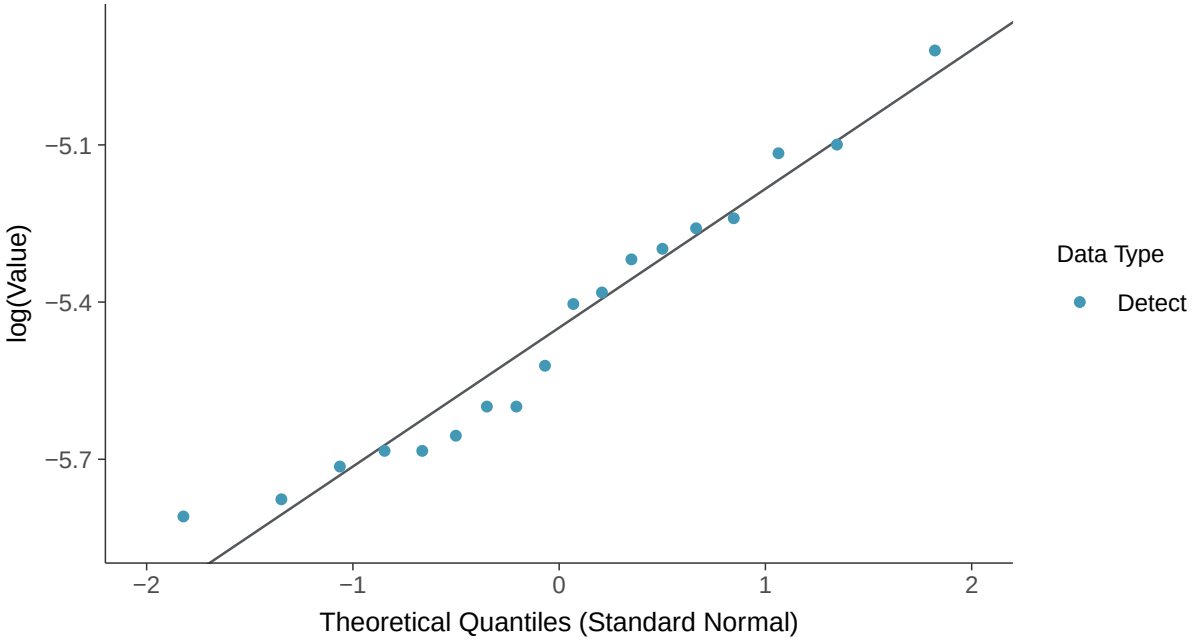
Normal Q-Q plot

Chromium, Total, MW-03 (mg/L)



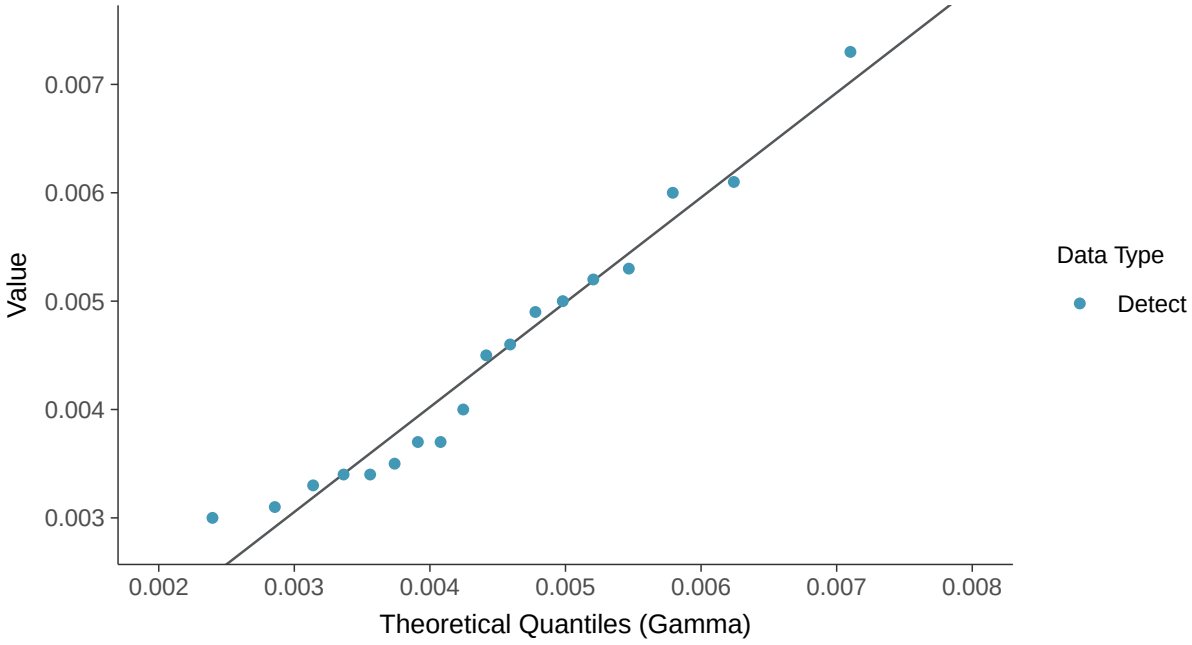
Lognormal Q-Q plot

Chromium, Total, MW-03 (mg/L)



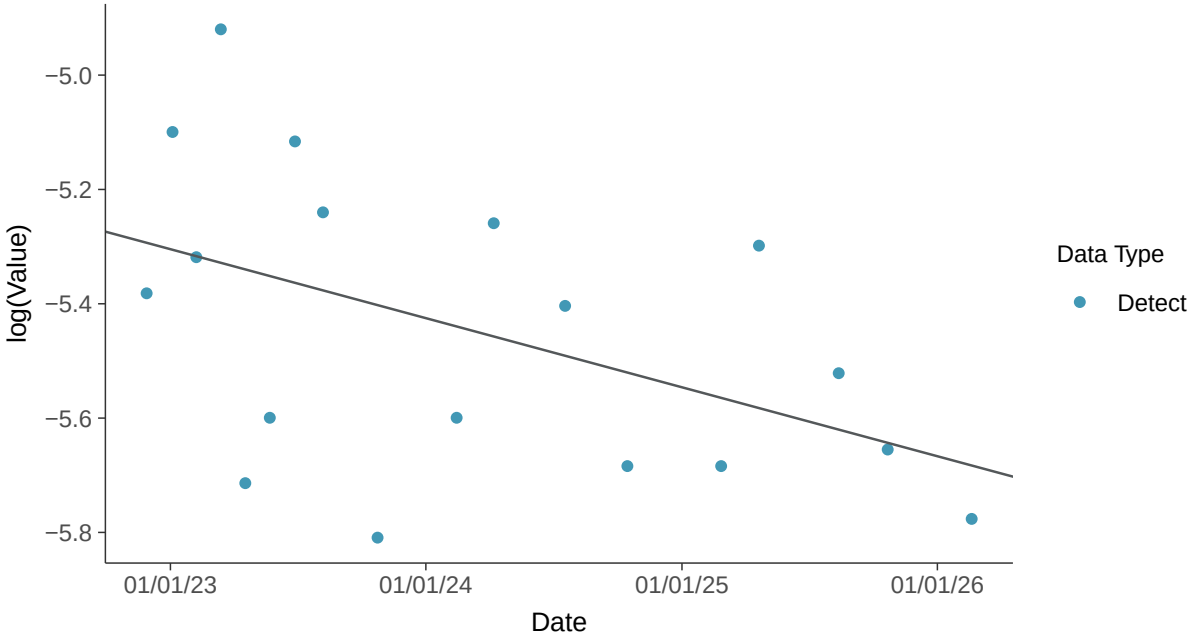
Gamma Q-Q plot

Chromium, Total, MW-03 (mg/L)



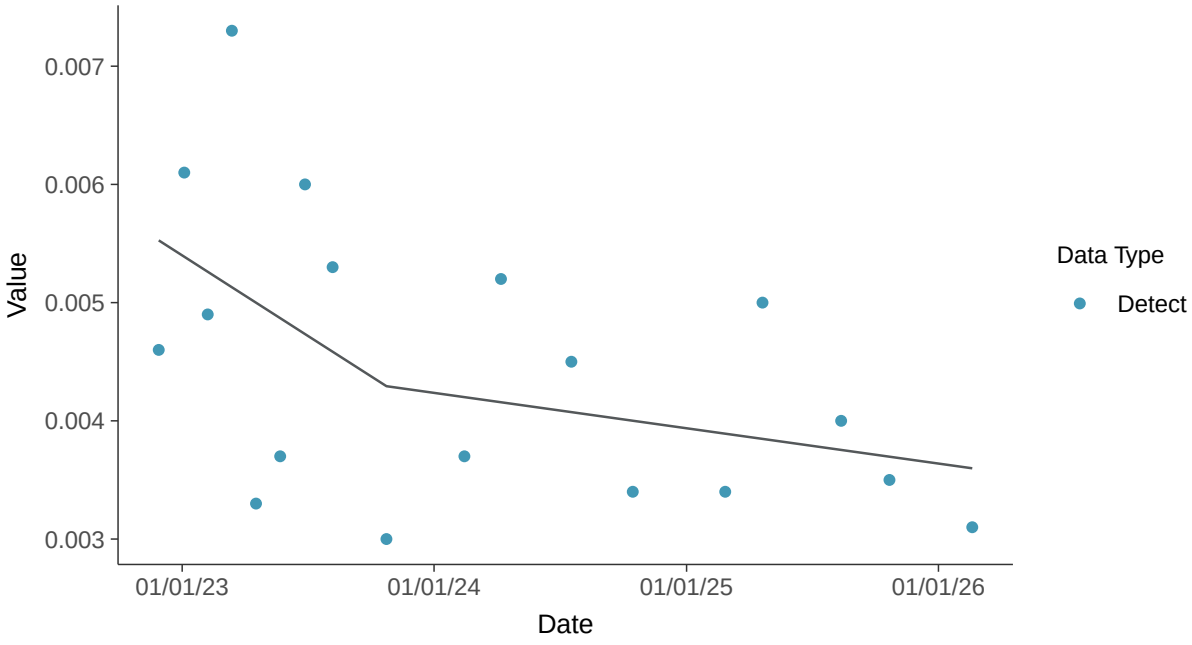
Trend Regression: Lognormal MLE

Chromium, Total, MW-03 (mg/L)



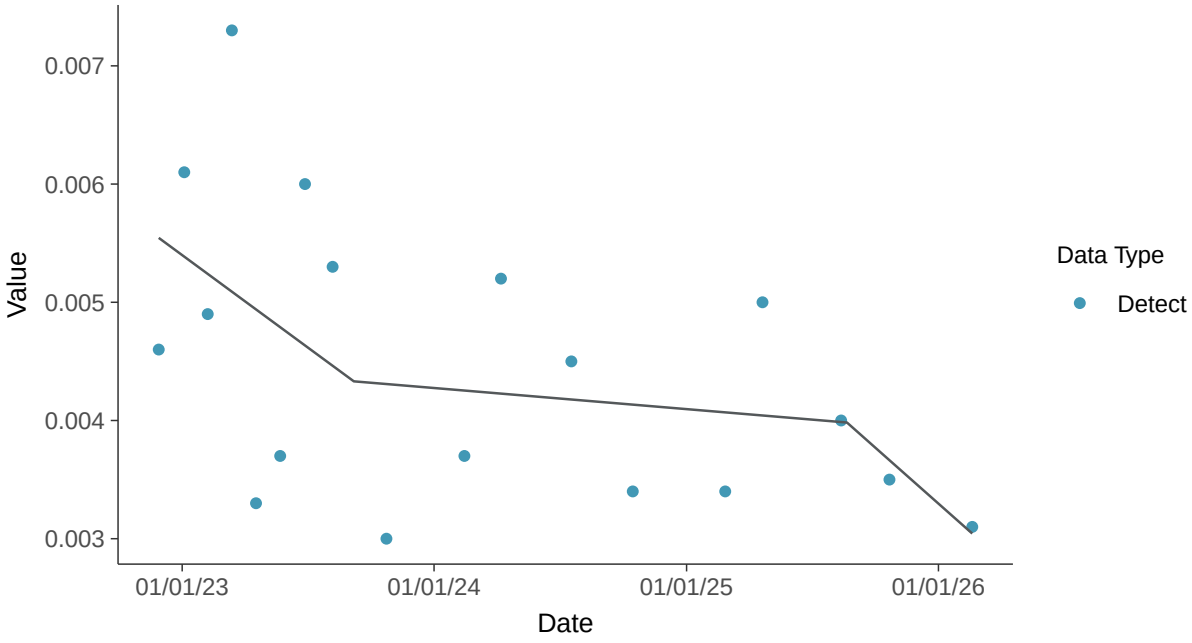
Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-03 (mg/L)



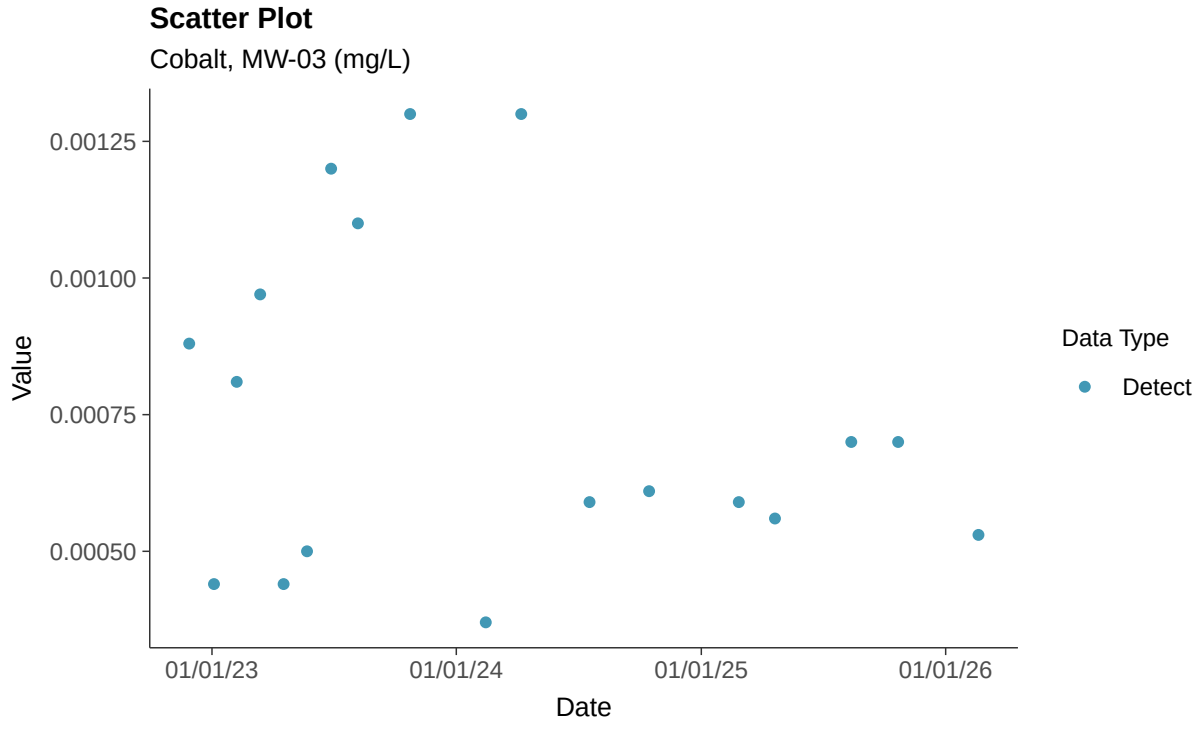
Trend Regression: Piecewise Linear-Linear-Linear

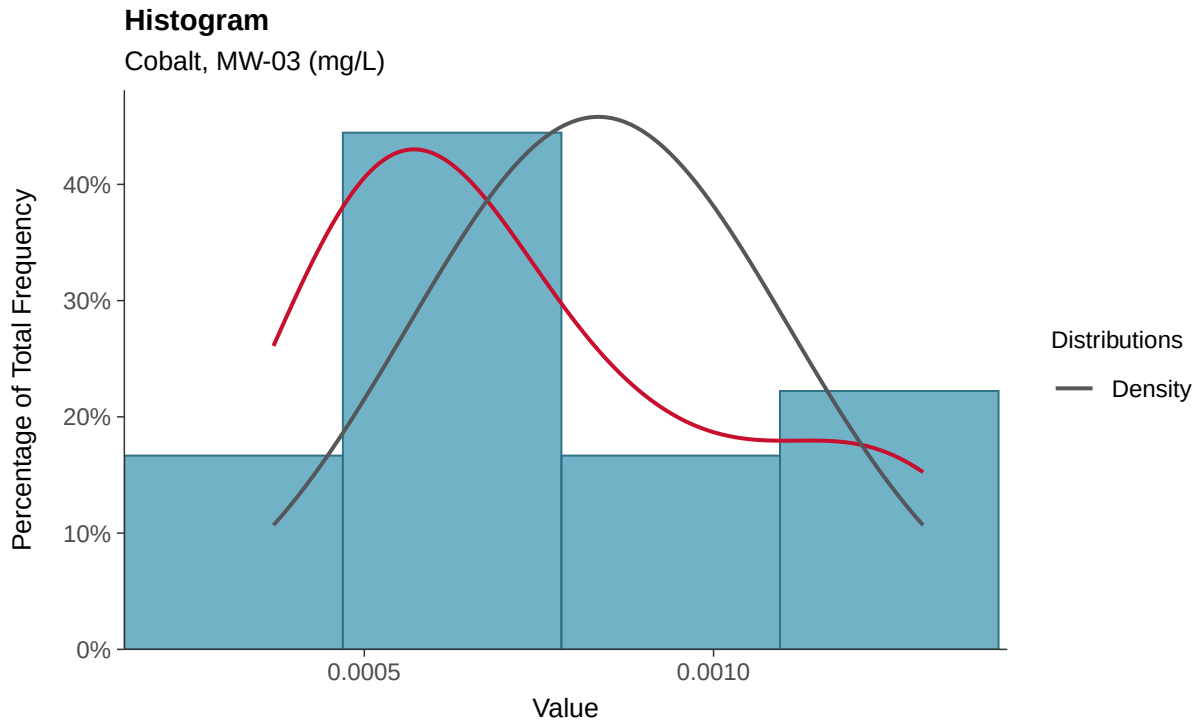
Chromium, Total, MW-03 (mg/L)



Appendix IV: Cobalt, MW-03

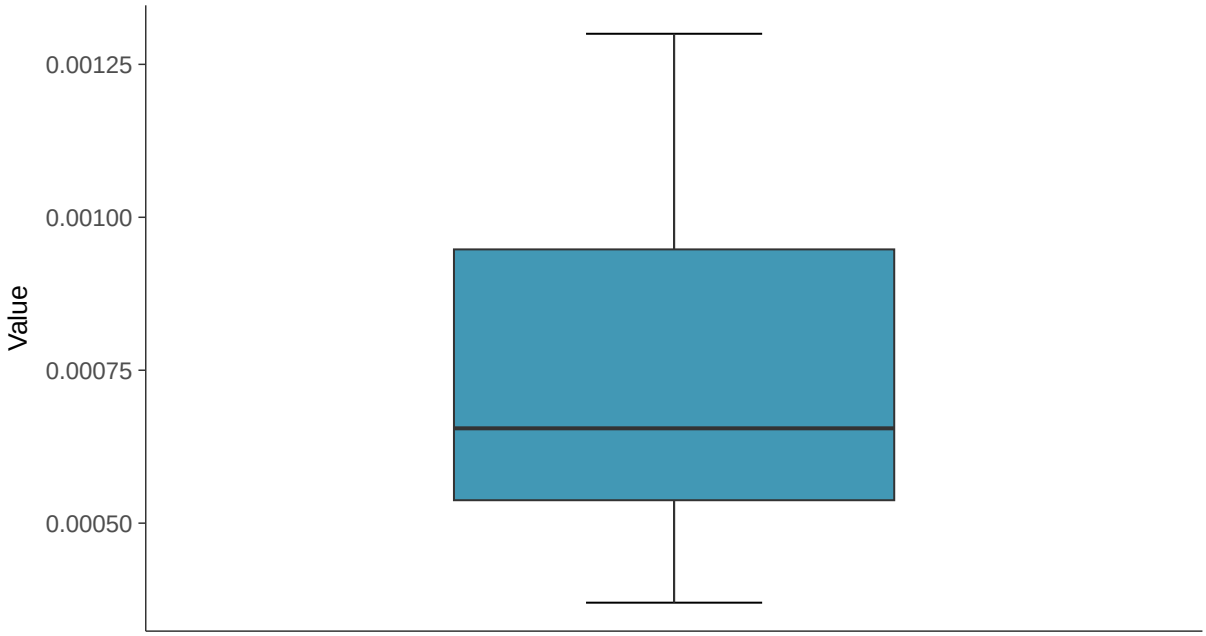
ID: 13_2_4_110





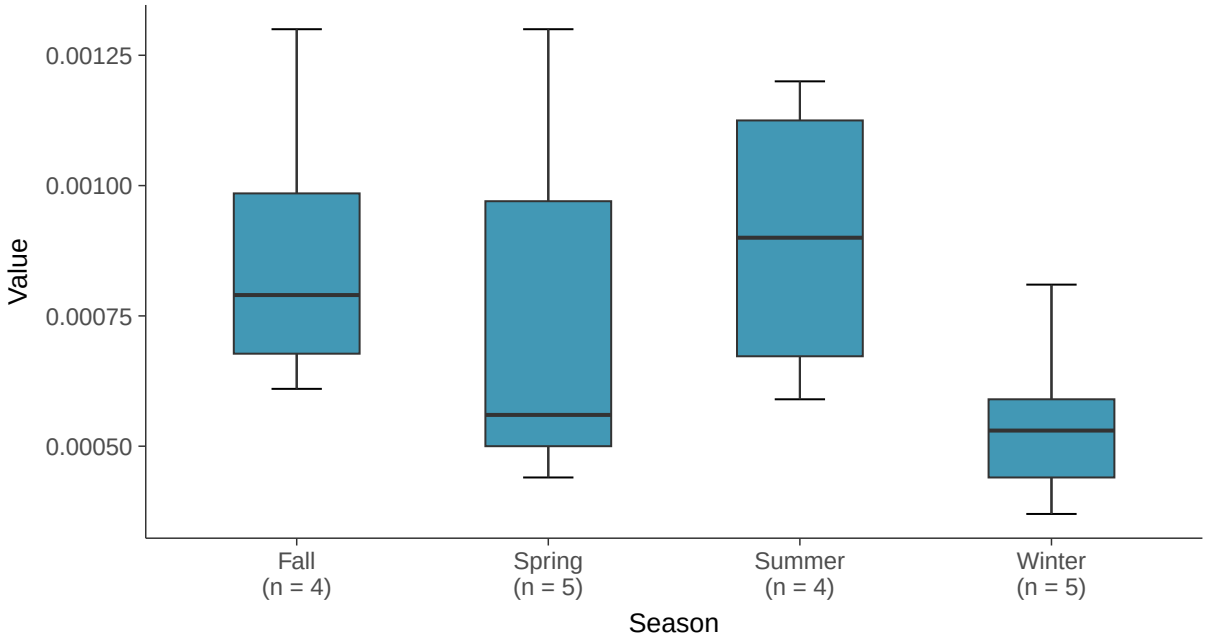
Boxplot

Cobalt, MW-03 (mg/L)



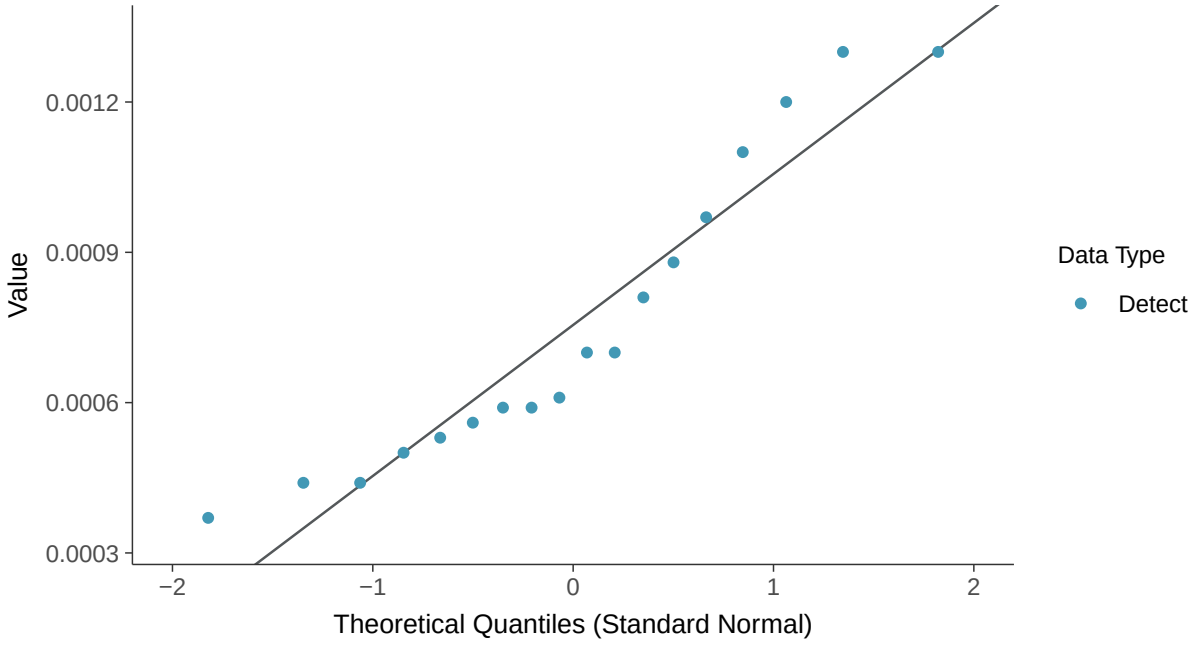
Boxplot by Season

Cobalt, MW-03 (mg/L)



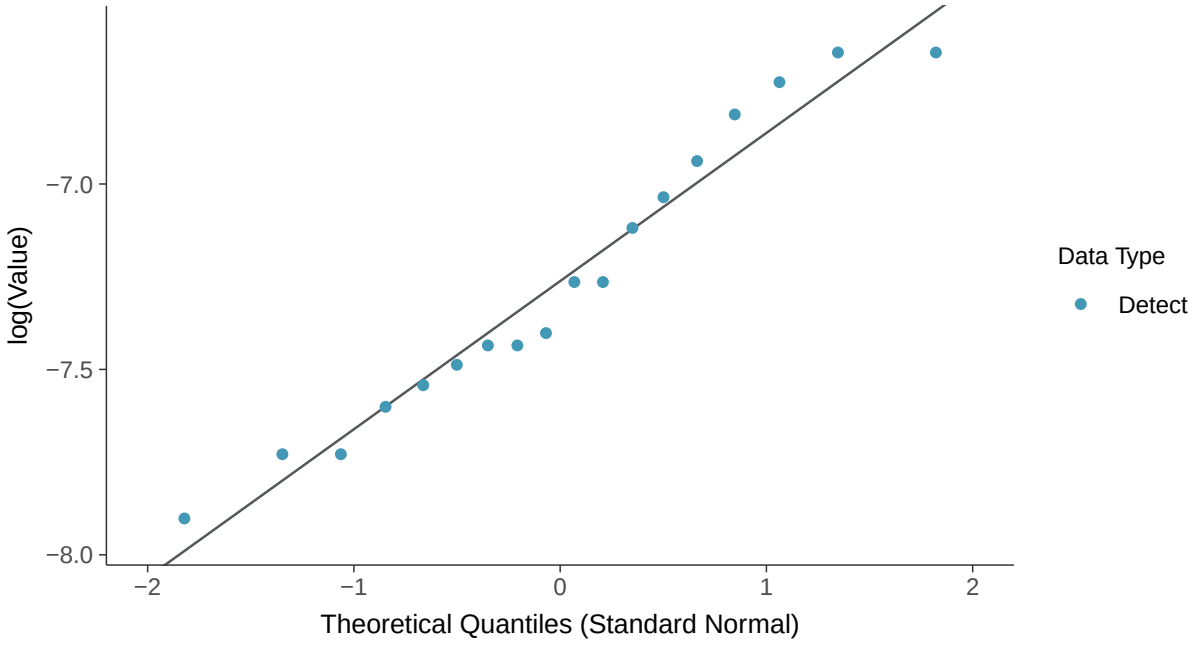
Normal Q-Q plot

Cobalt, MW-03 (mg/L)



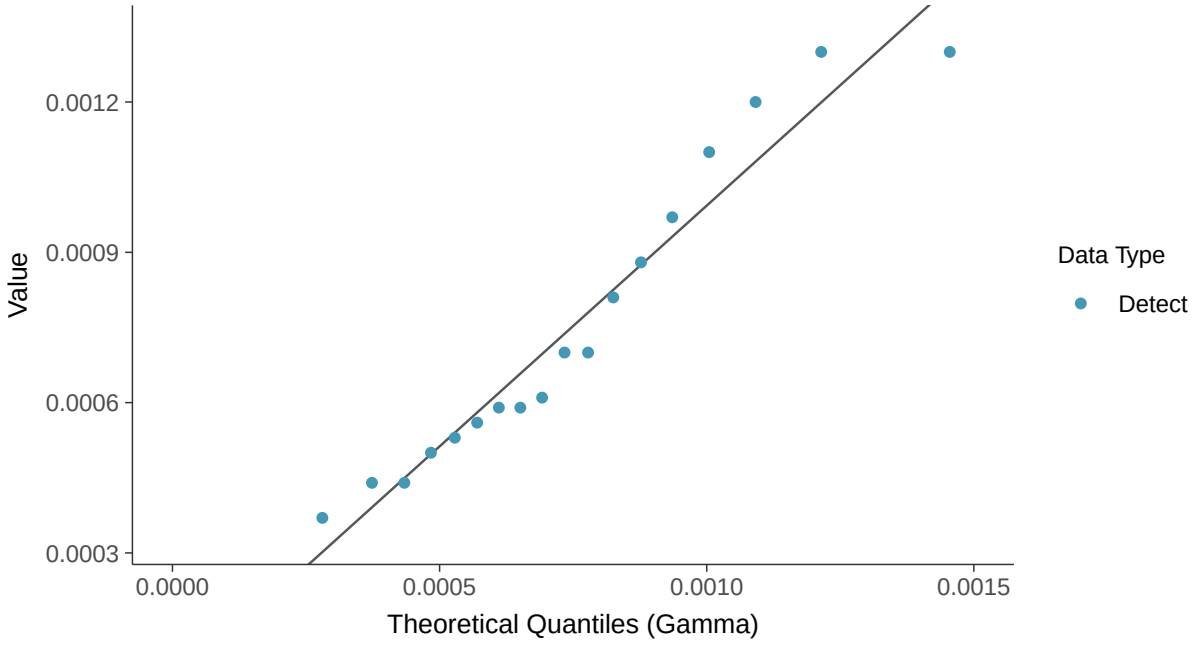
Lognormal Q-Q plot

Cobalt, MW-03 (mg/L)



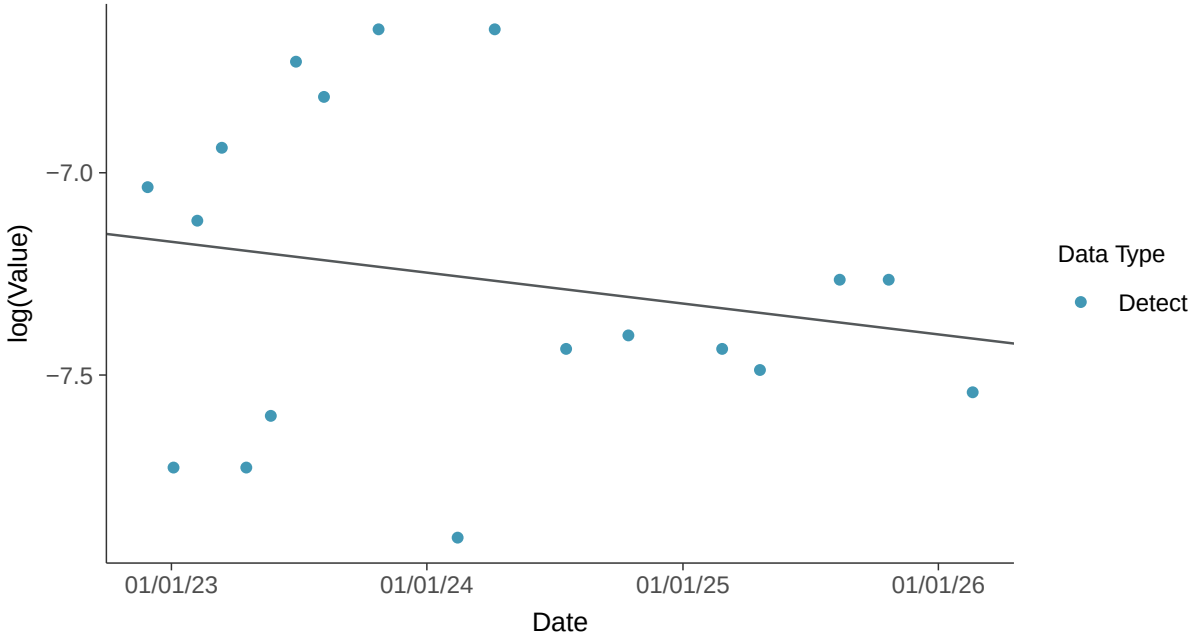
Gamma Q-Q plot

Cobalt, MW-03 (mg/L)



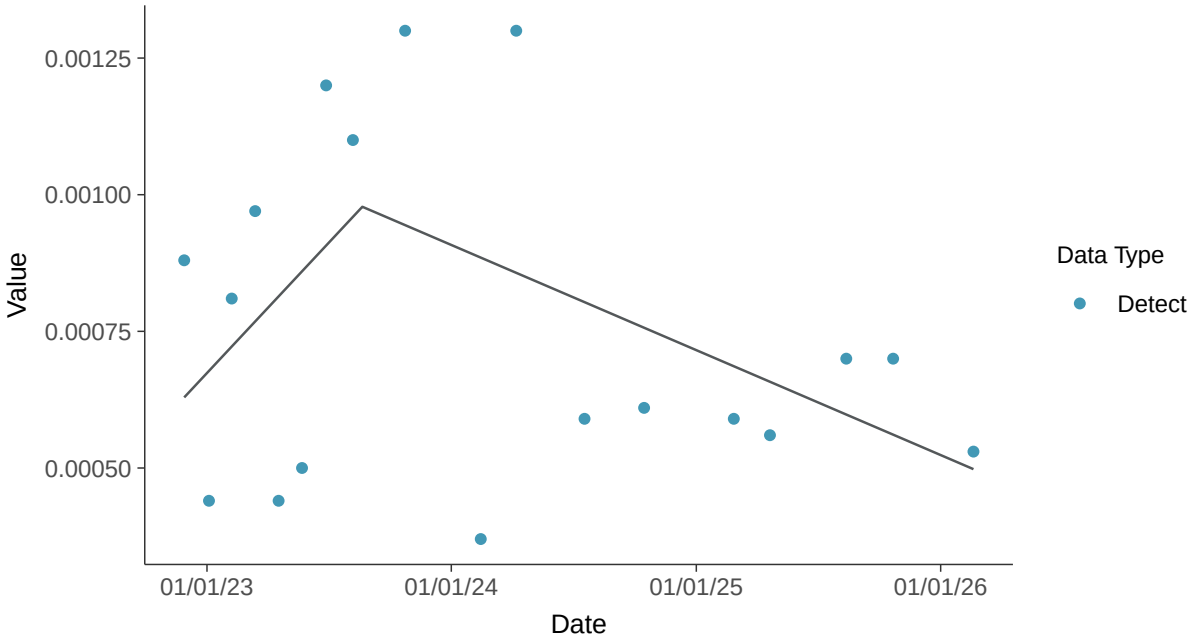
Trend Regression: Lognormal MLE

Cobalt, MW-03 (mg/L)



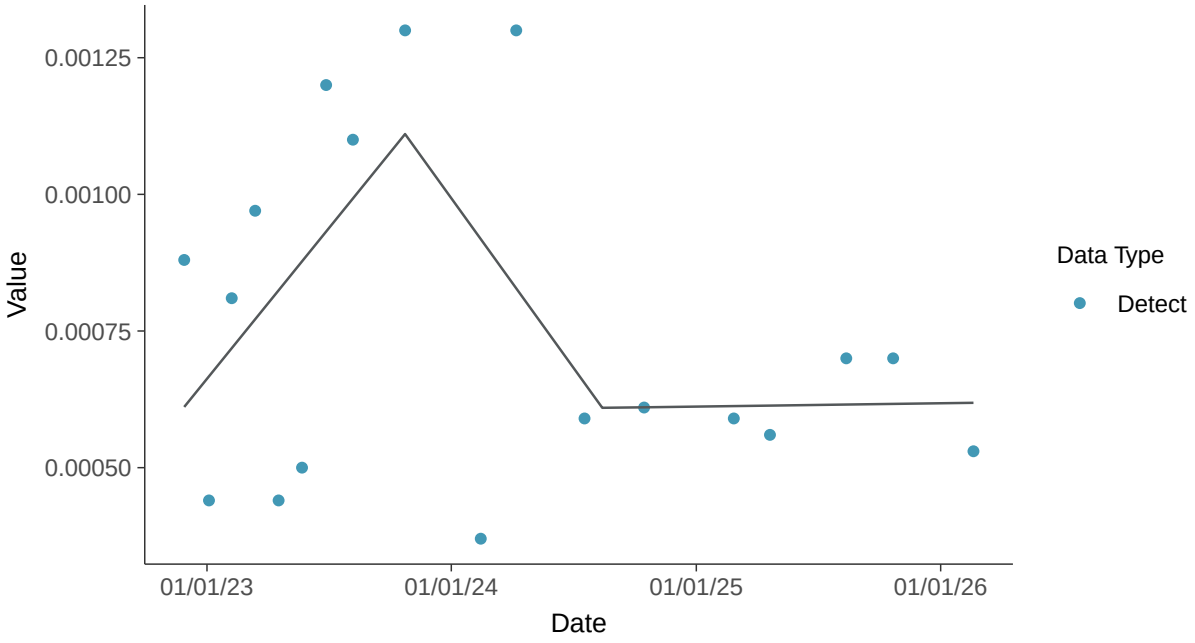
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-03 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Cobalt, MW-03 (mg/L)

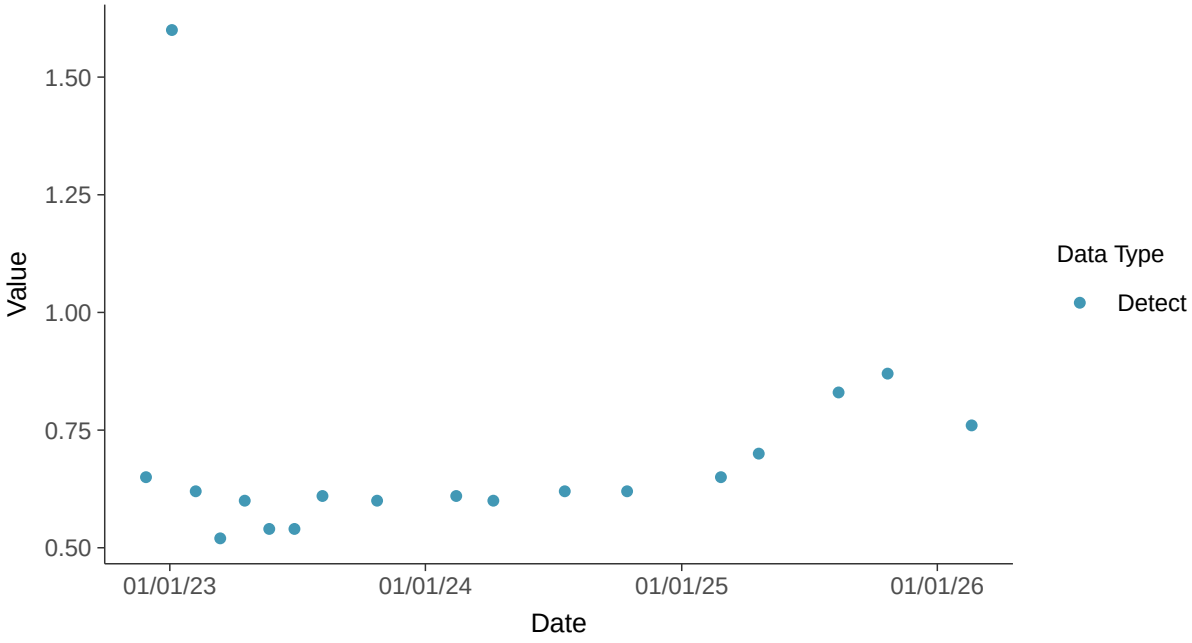


Appendix IV: Fluoride (App IV), MW-03

ID: 13_2_4_113

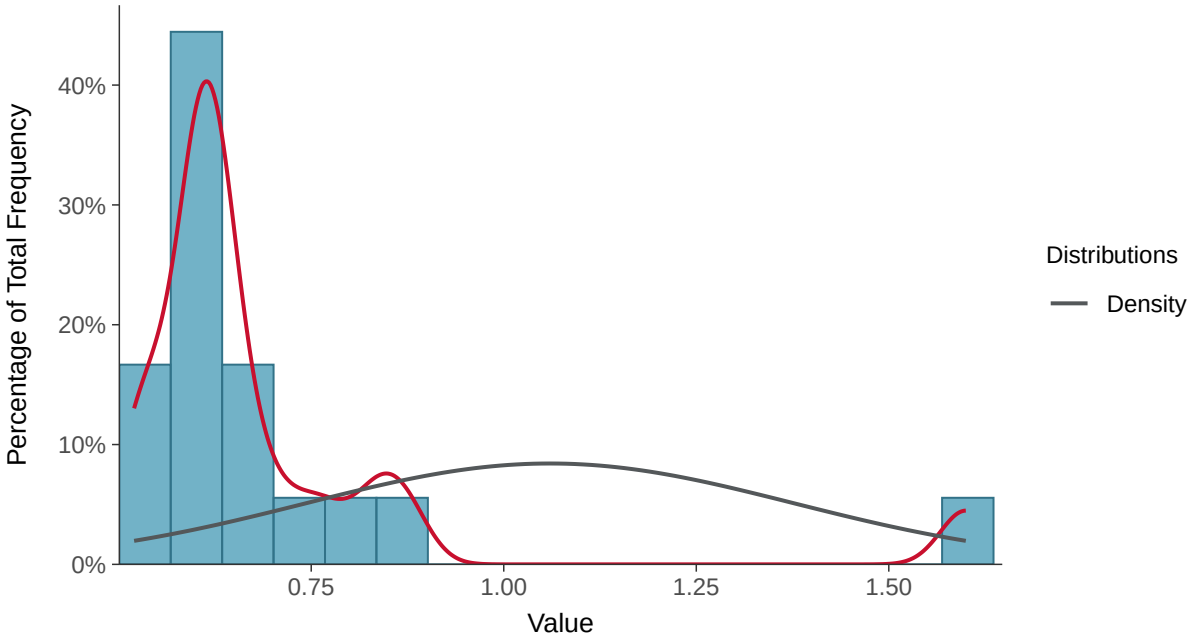
Scatter Plot

Fluoride (App IV), MW-03 (mg/L)



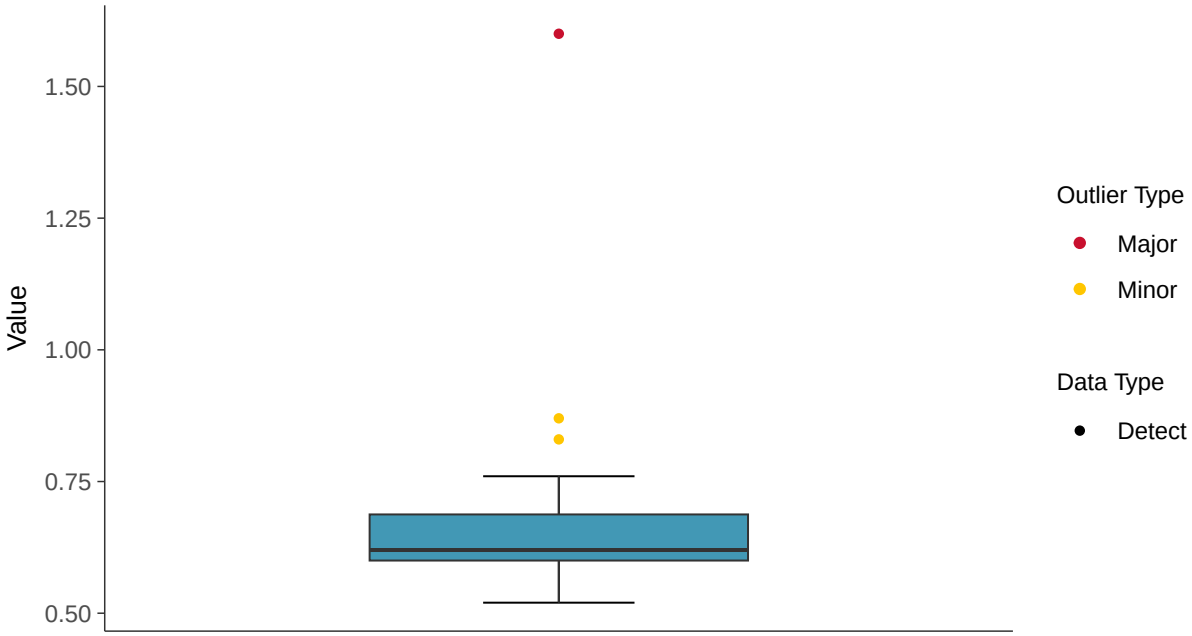
Histogram

Fluoride (App IV), MW-03 (mg/L)



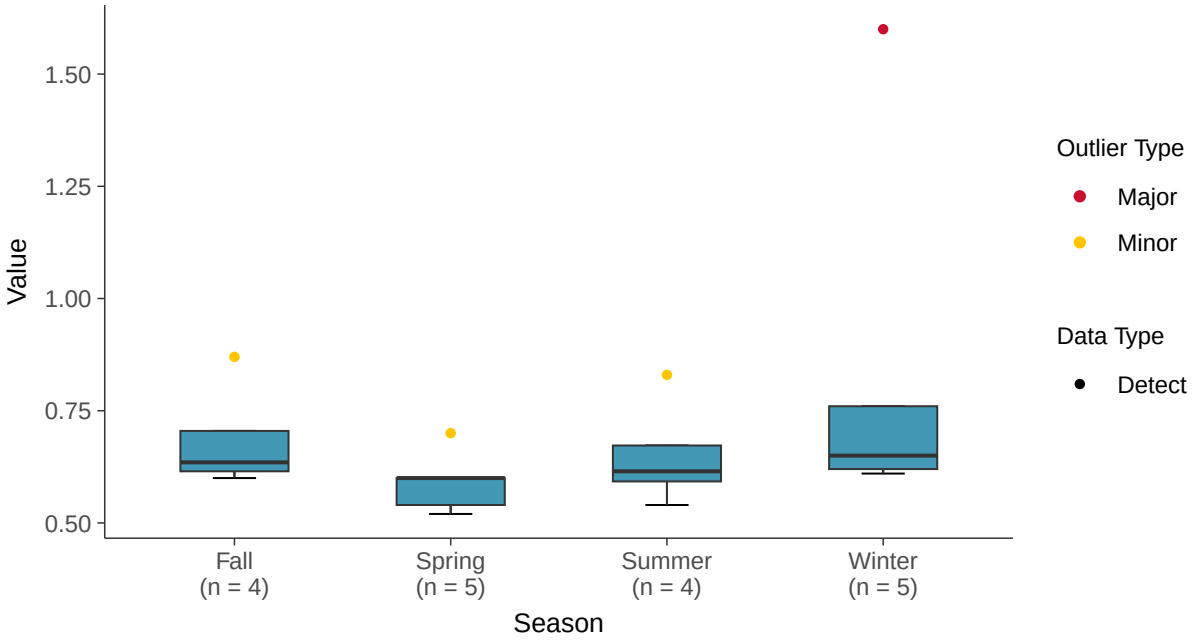
Boxplot

Fluoride (App IV), MW-03 (mg/L)



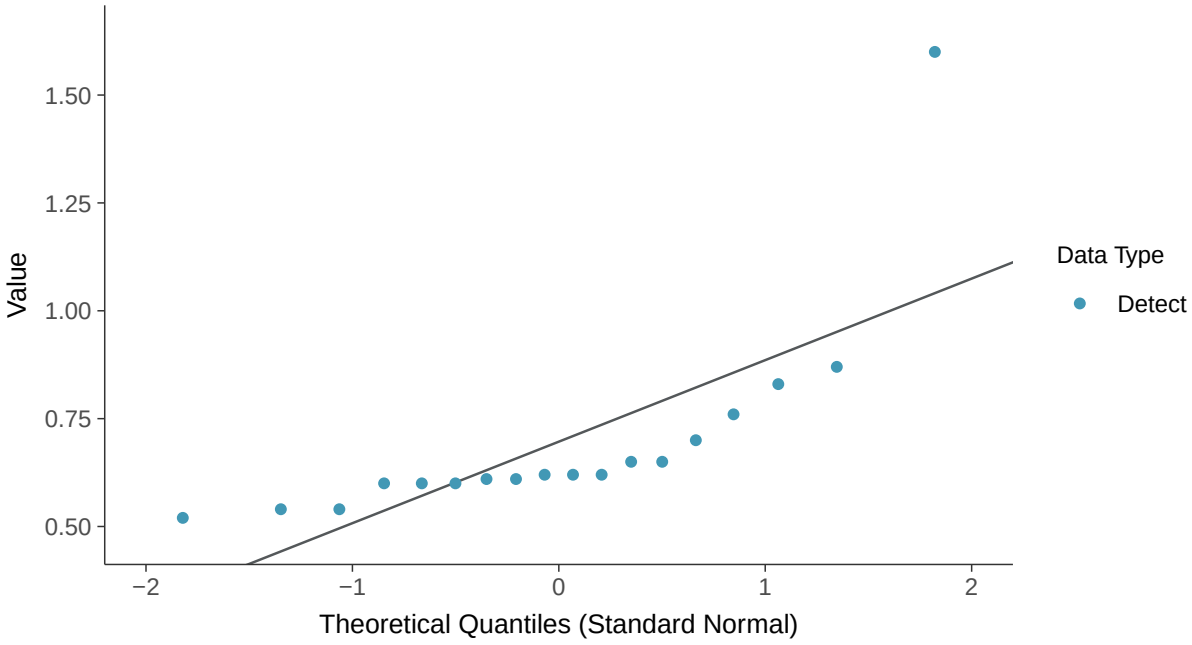
Boxplot by Season

Fluoride (App IV), MW-03 (mg/L)



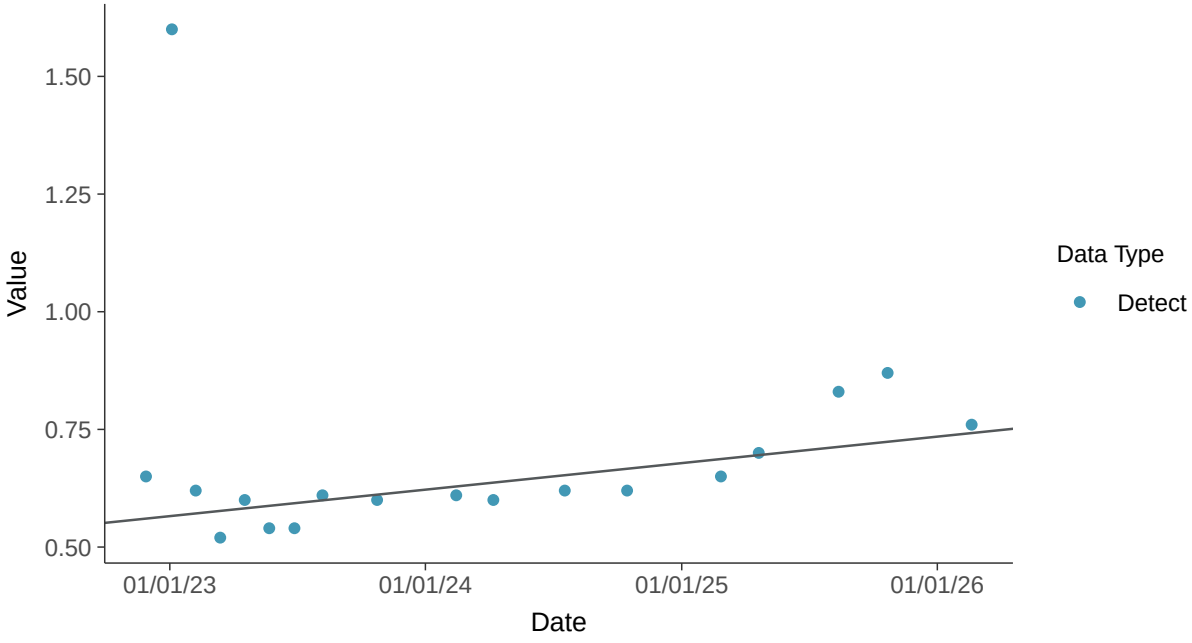
Normal Q-Q plot

Fluoride (App IV), MW-03 (mg/L)



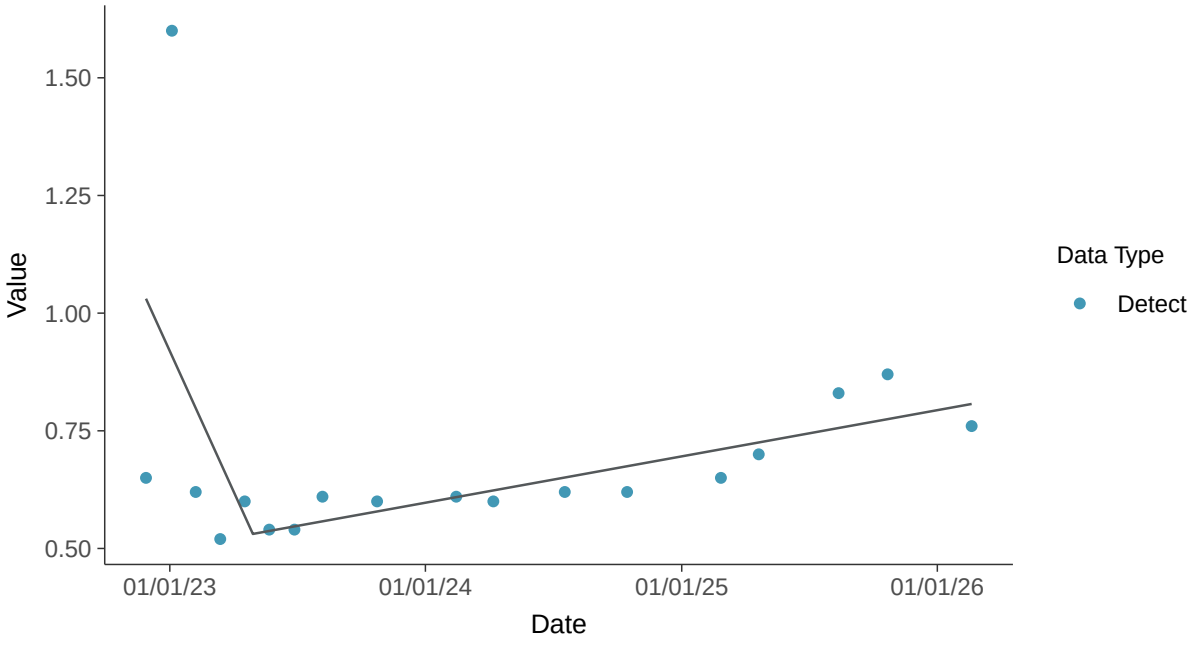
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride (App IV), MW-03 (mg/L)



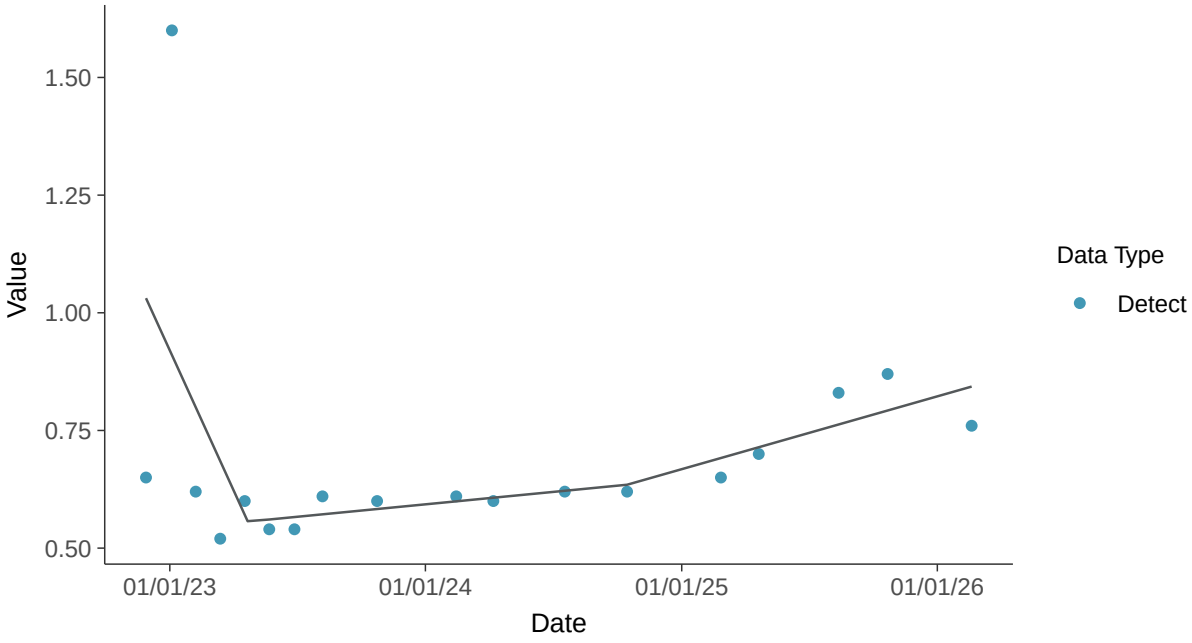
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-03 (mg/L)



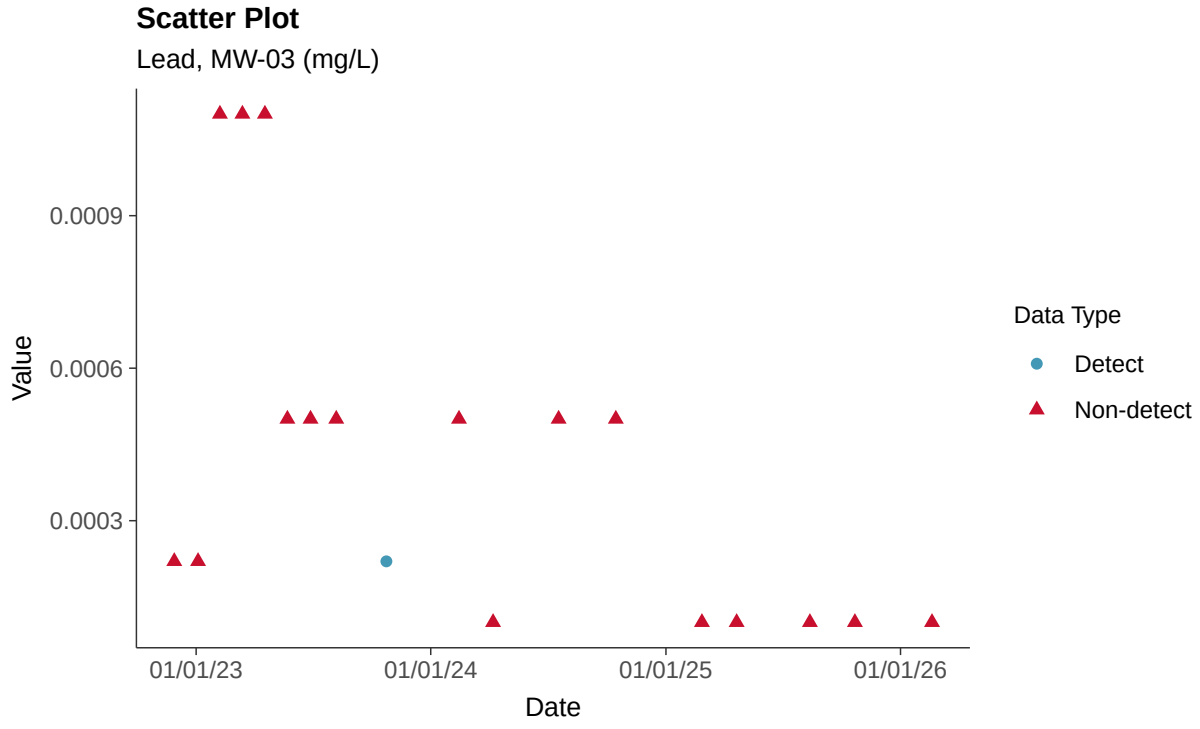
Trend Regression: Piecewise Linear-Linear-Linear

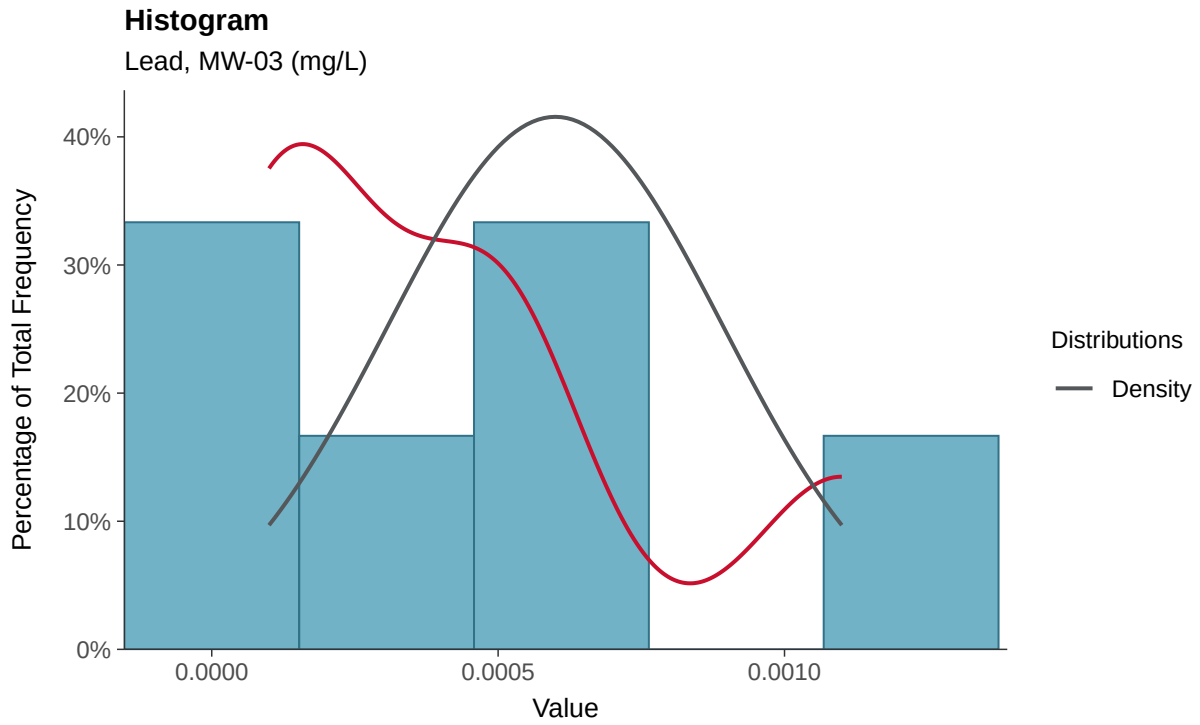
Fluoride (App IV), MW-03 (mg/L)



Appendix IV: Lead, MW-03

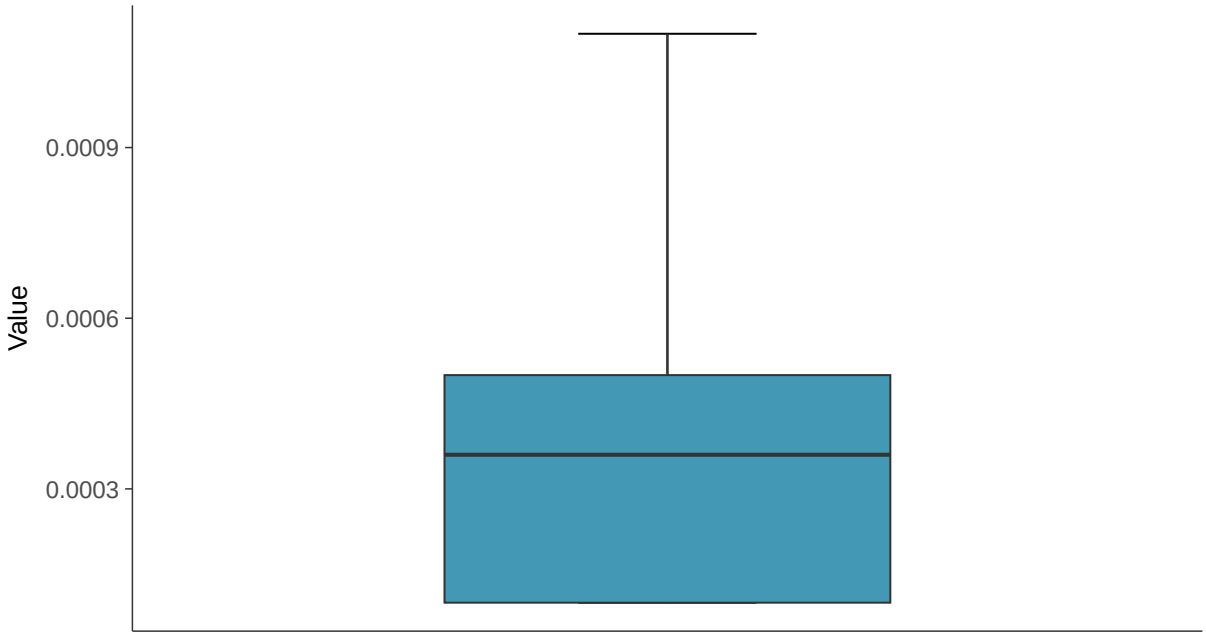
ID: 13_2_4_115





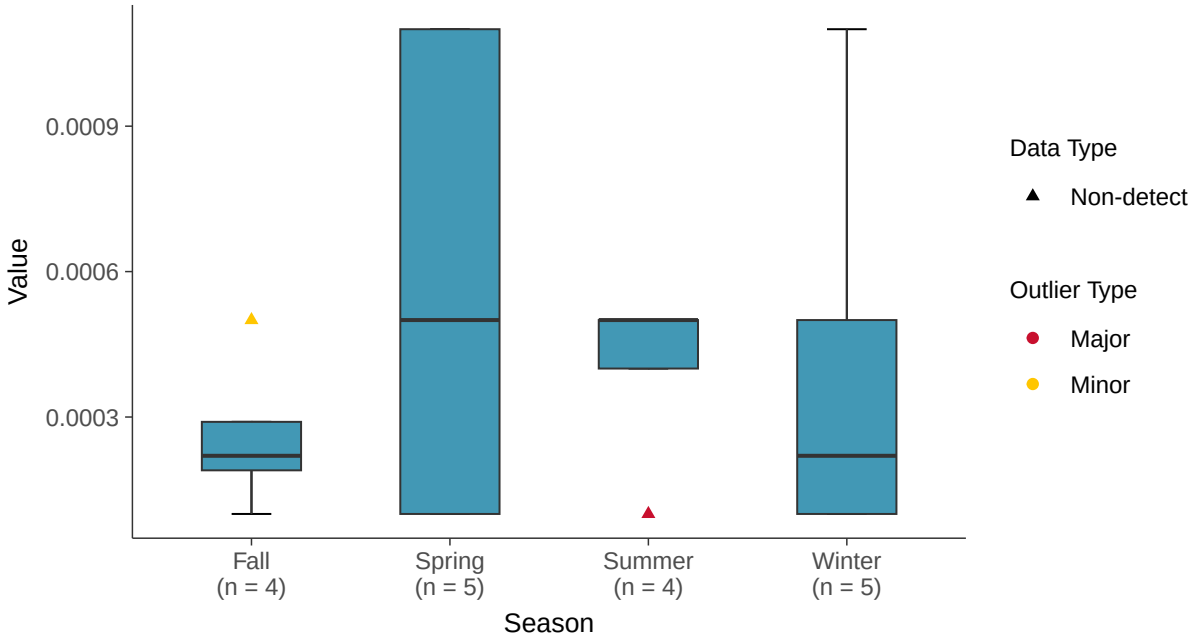
Boxplot

Lead, MW-03 (mg/L)



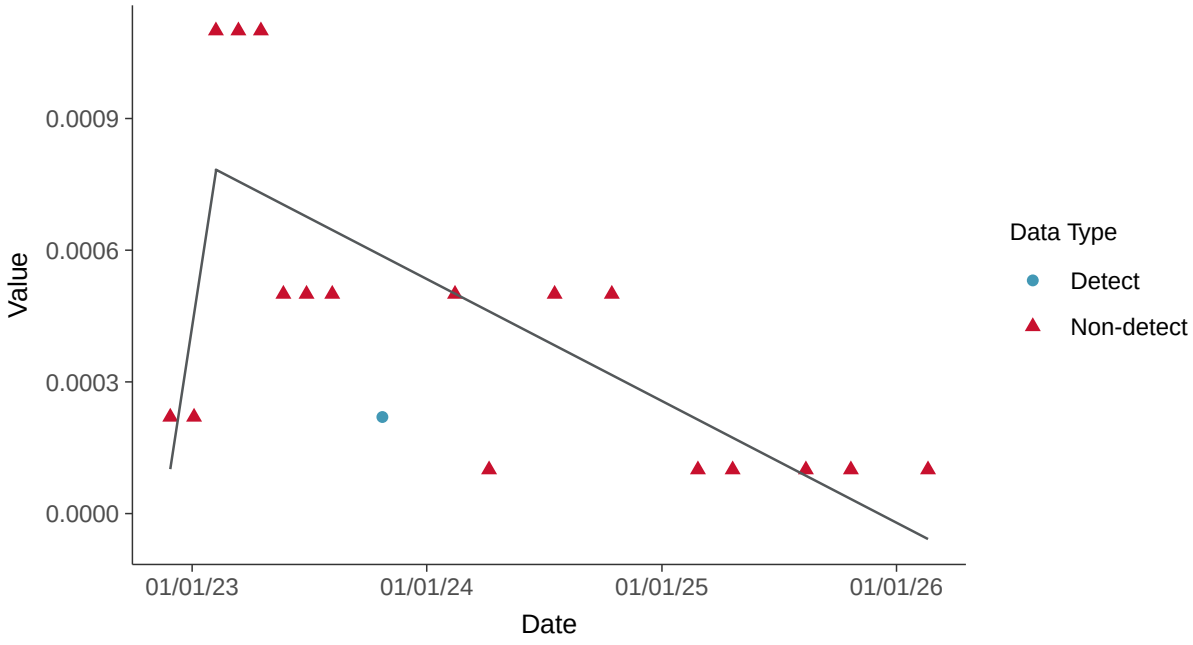
Boxplot by Season

Lead, MW-03 (mg/L)



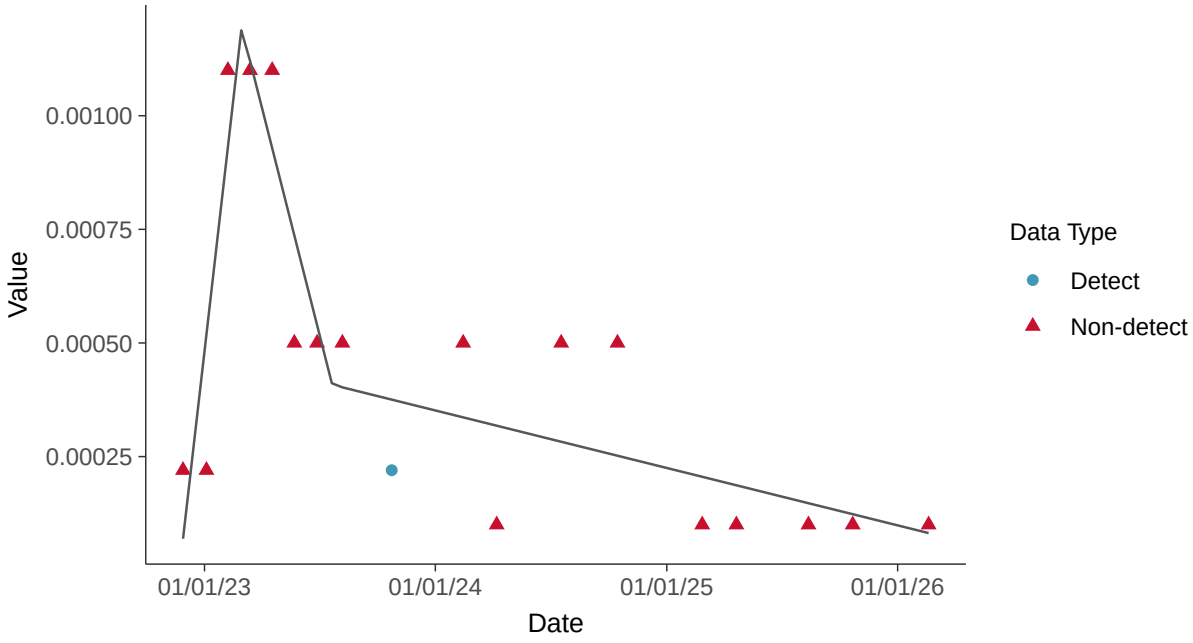
Trend Regression: Piecewise Linear-Linear

Lead, MW-03 (mg/L)



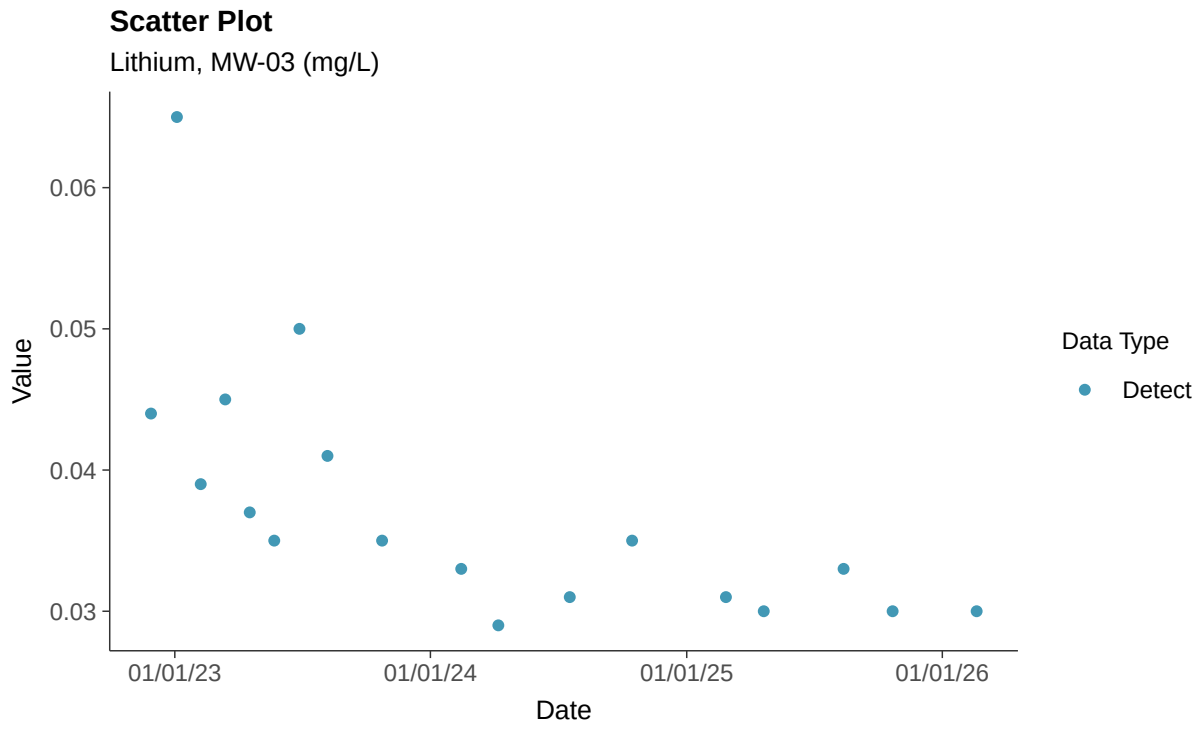
Trend Regression: Piecewise Linear-Linear-Linear

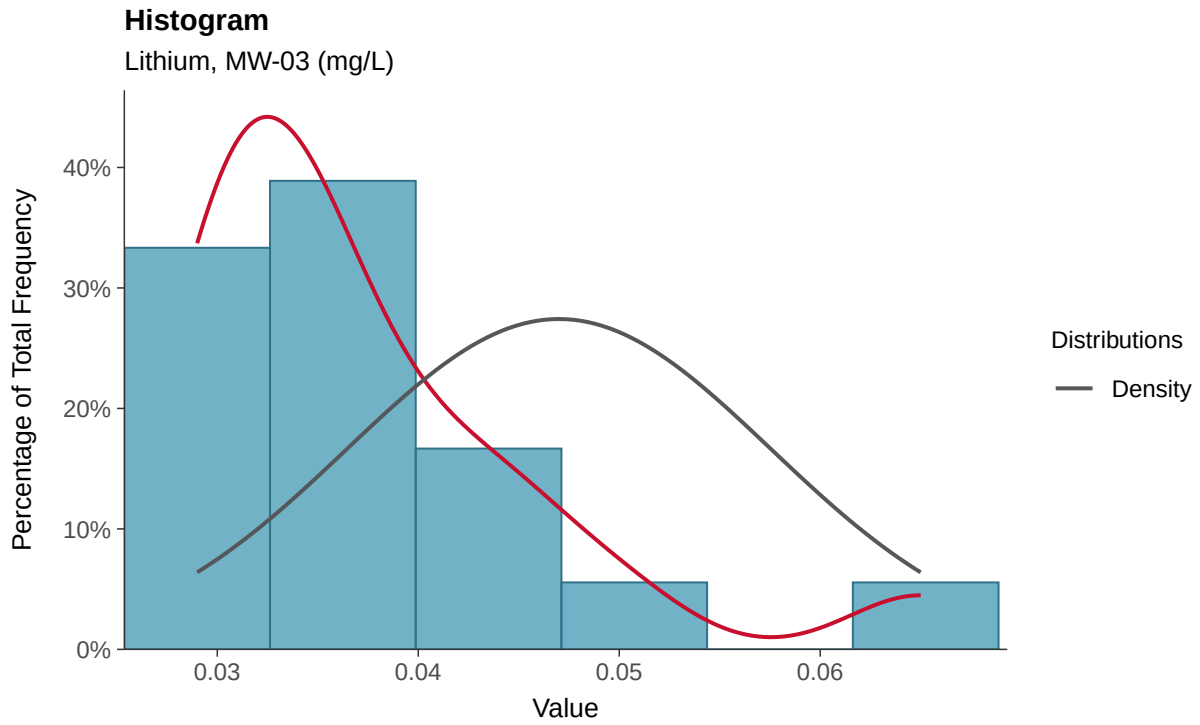
Lead, MW-03 (mg/L)



Appendix IV: Lithium, MW-03

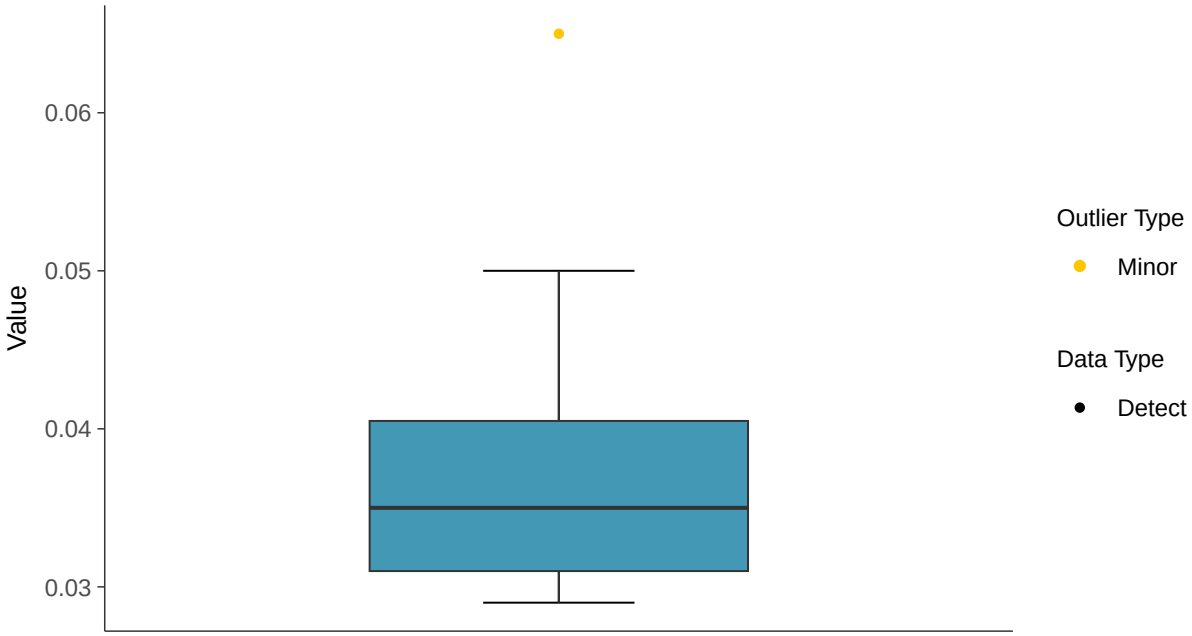
ID: 13_2_4_116





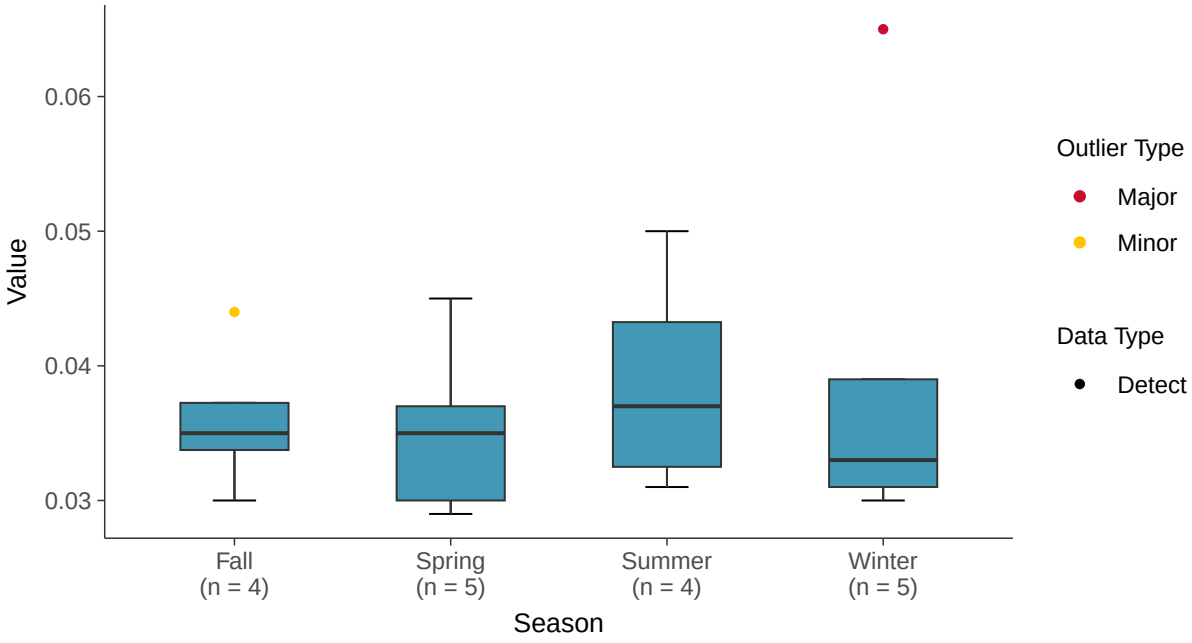
Boxplot

Lithium, MW-03 (mg/L)



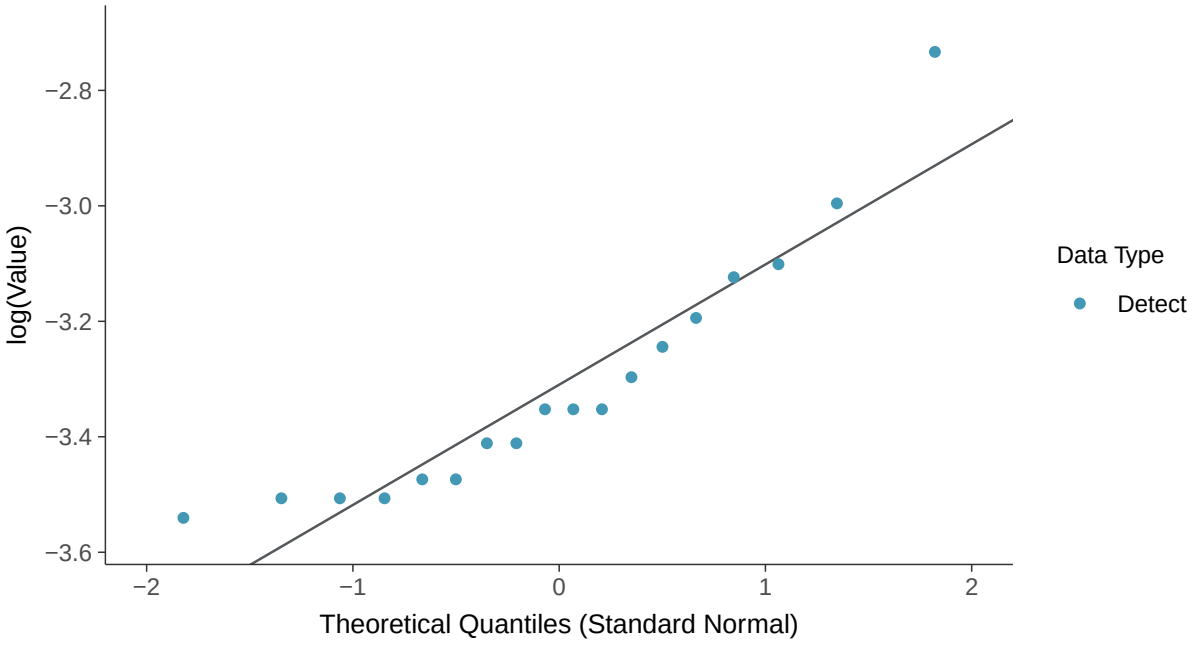
Boxplot by Season

Lithium, MW-03 (mg/L)



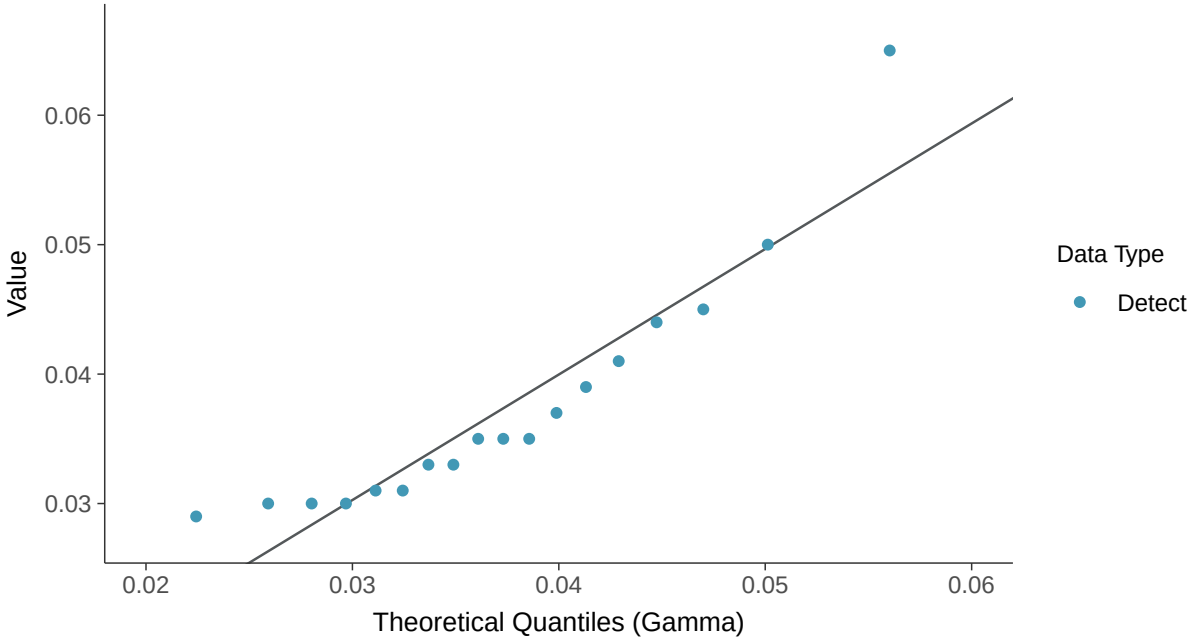
Lognormal Q-Q plot

Lithium, MW-03 (mg/L)



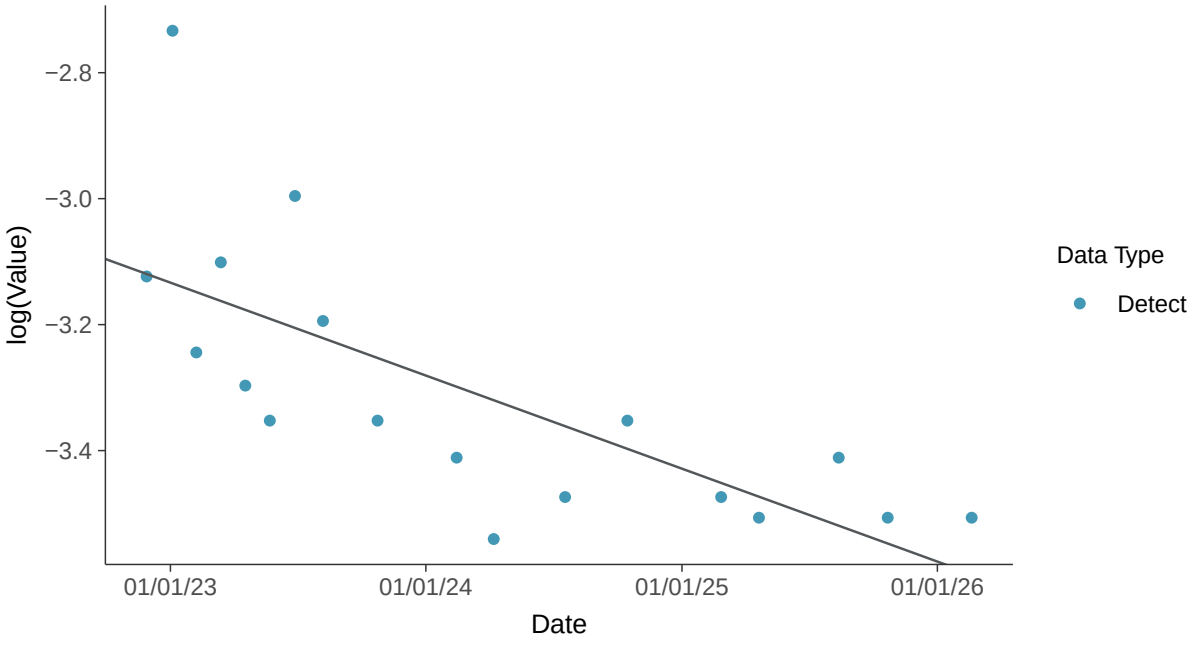
Gamma Q-Q plot

Lithium, MW-03 (mg/L)



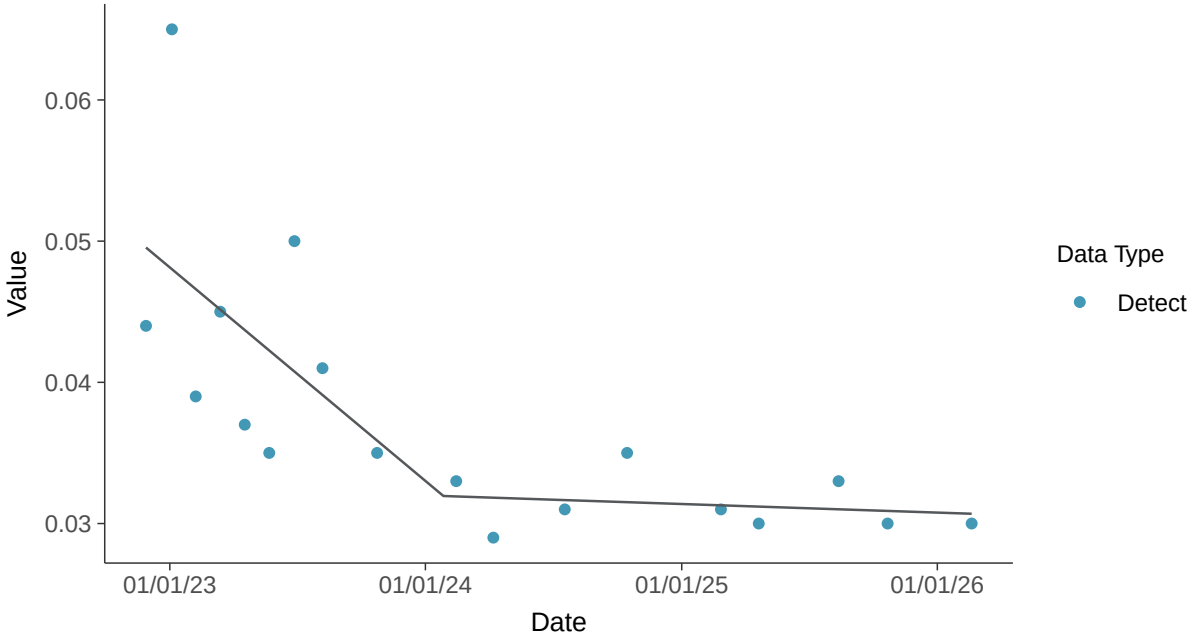
Trend Regression: Lognormal MLE

Lithium, MW-03 (mg/L)



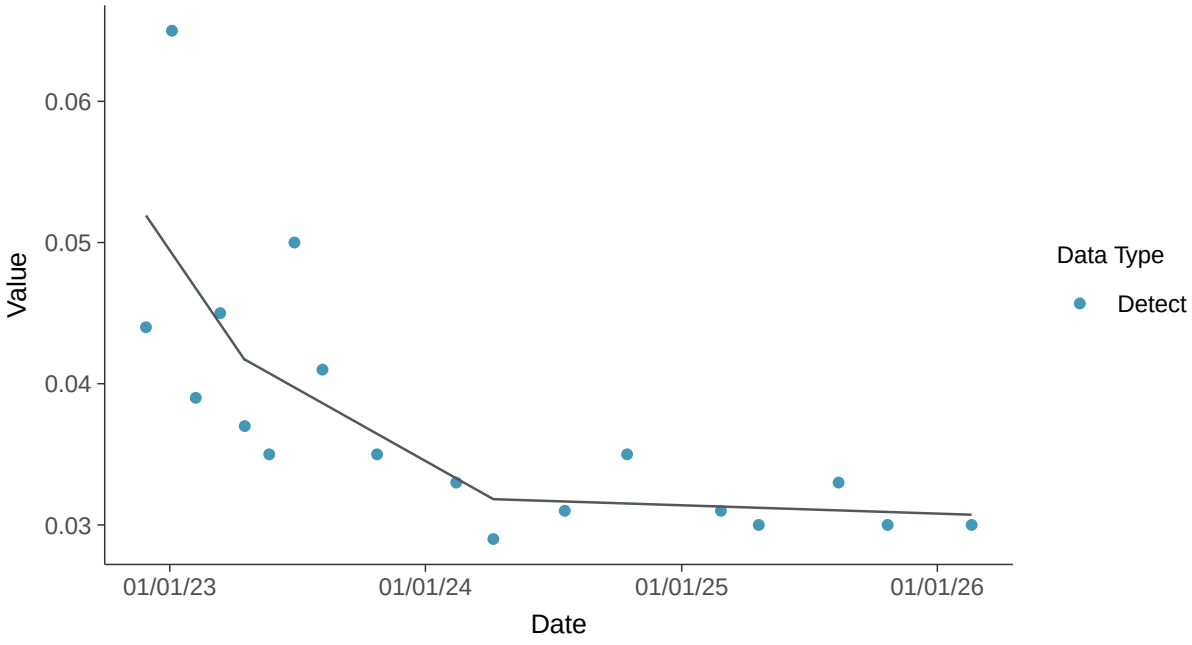
Trend Regression: Piecewise Linear-Linear

Lithium, MW-03 (mg/L)



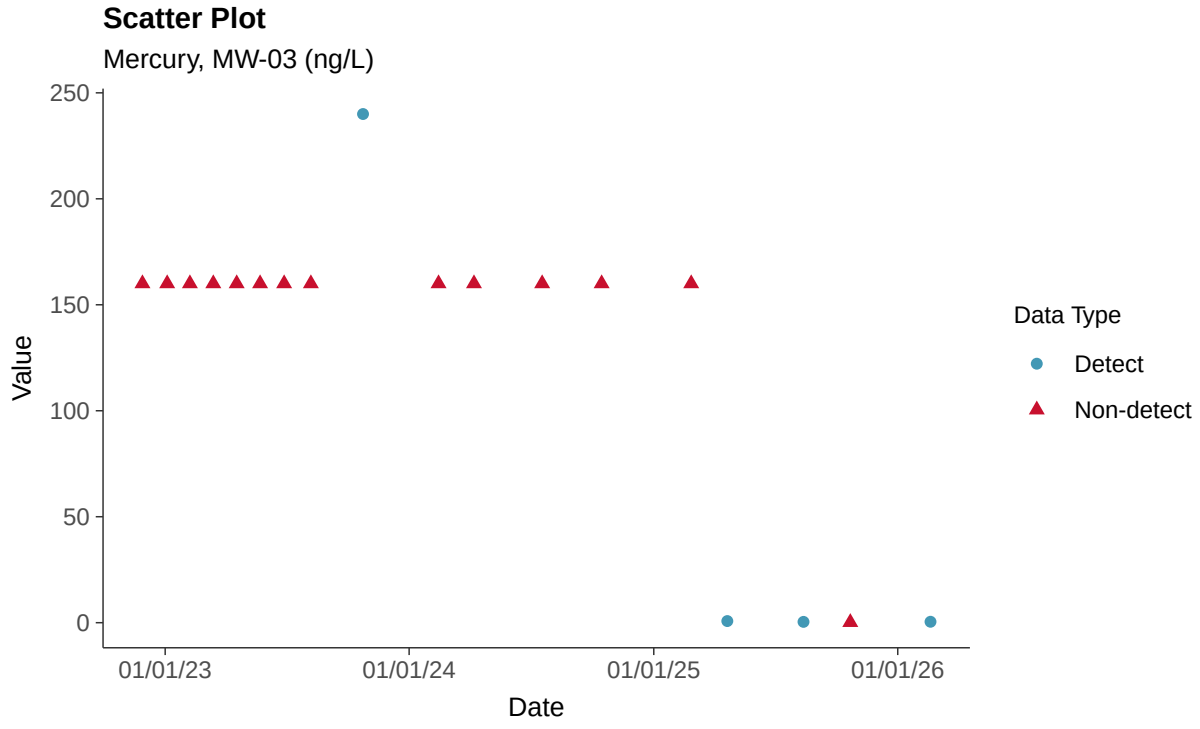
Trend Regression: Piecewise Linear-Linear-Linear

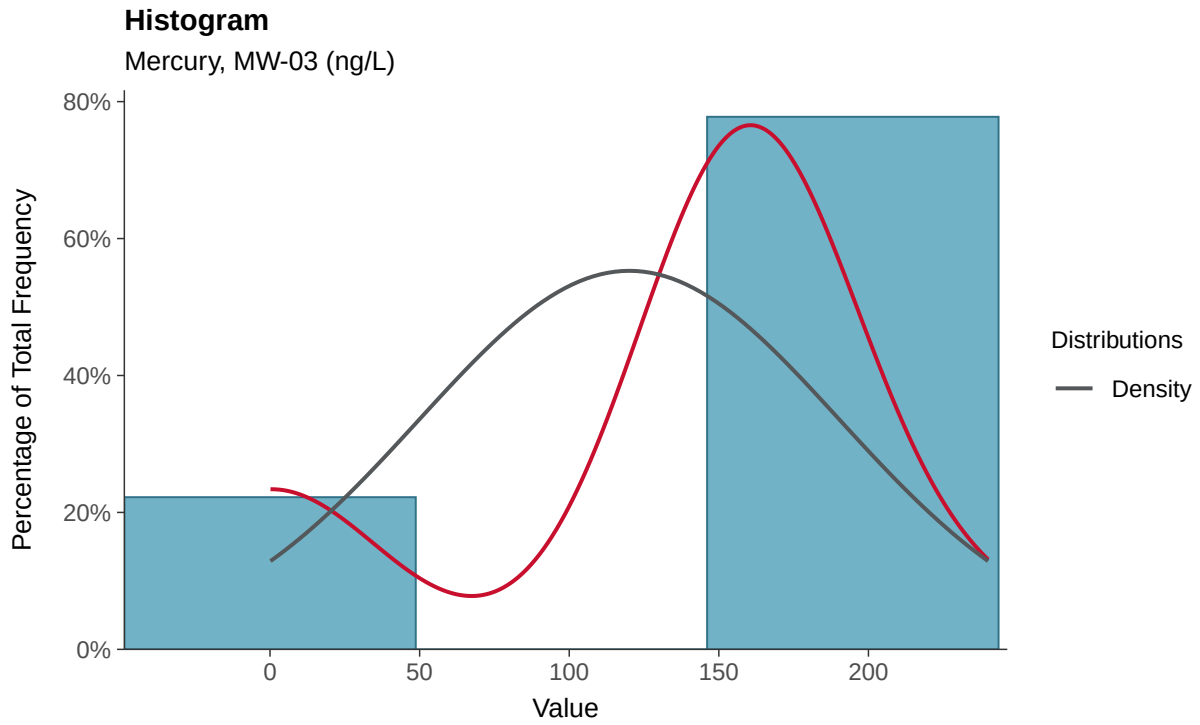
Lithium, MW-03 (mg/L)



Appendix IV: Mercury, MW-03

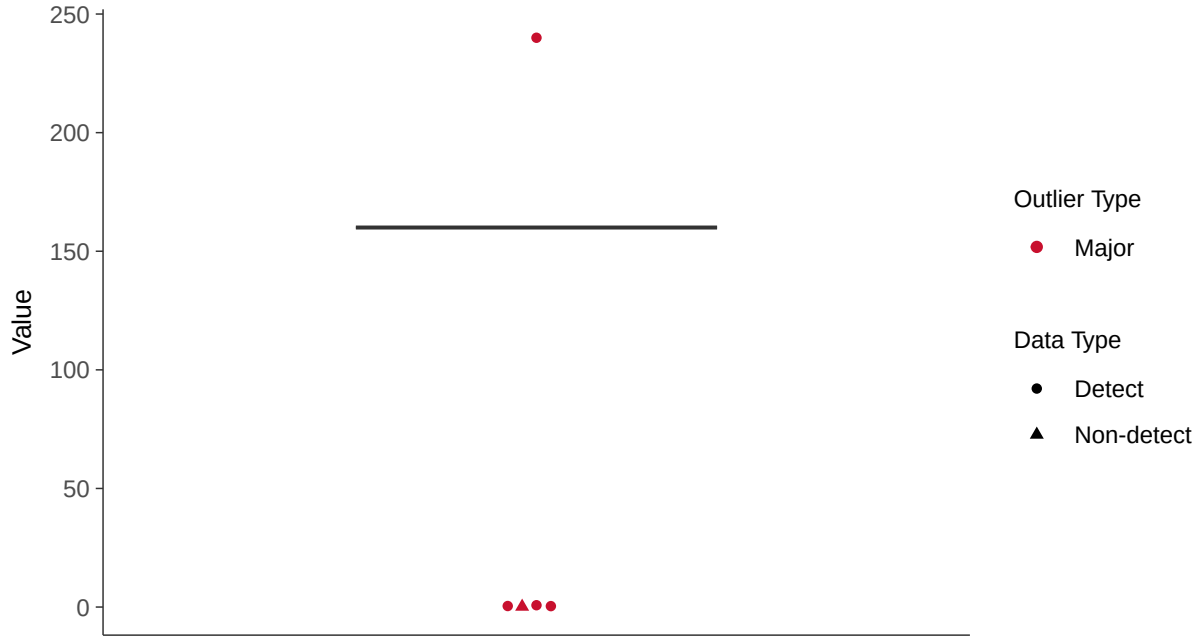
ID: 13_2_4_117





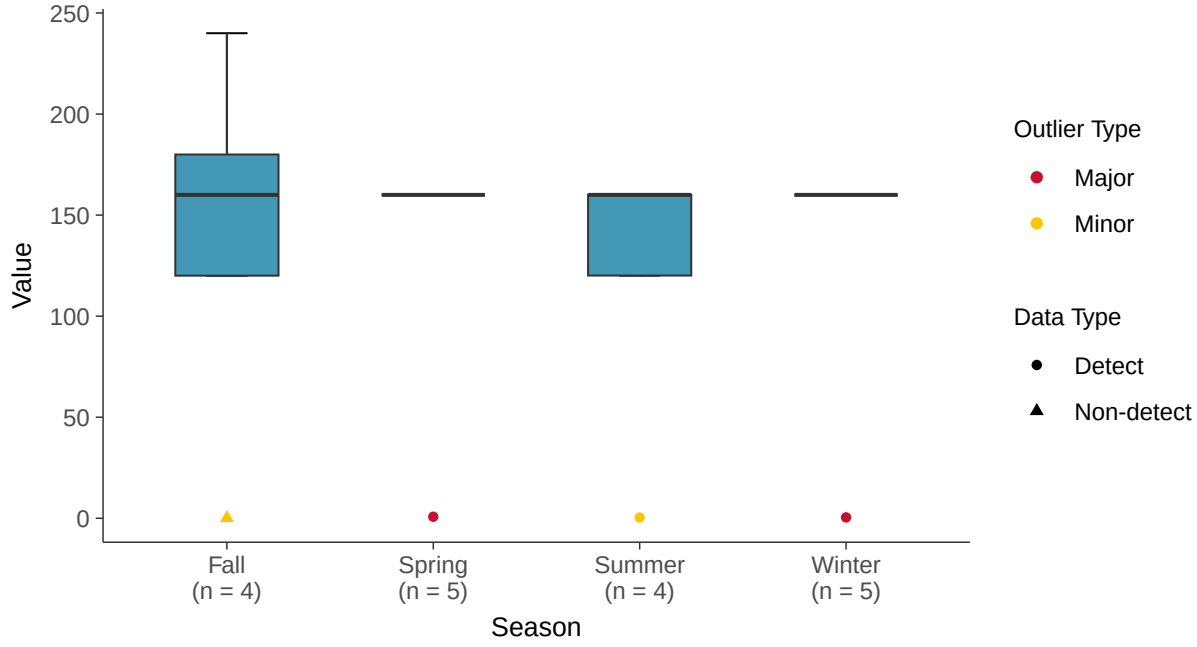
Boxplot

Mercury, MW-03 (ng/L)



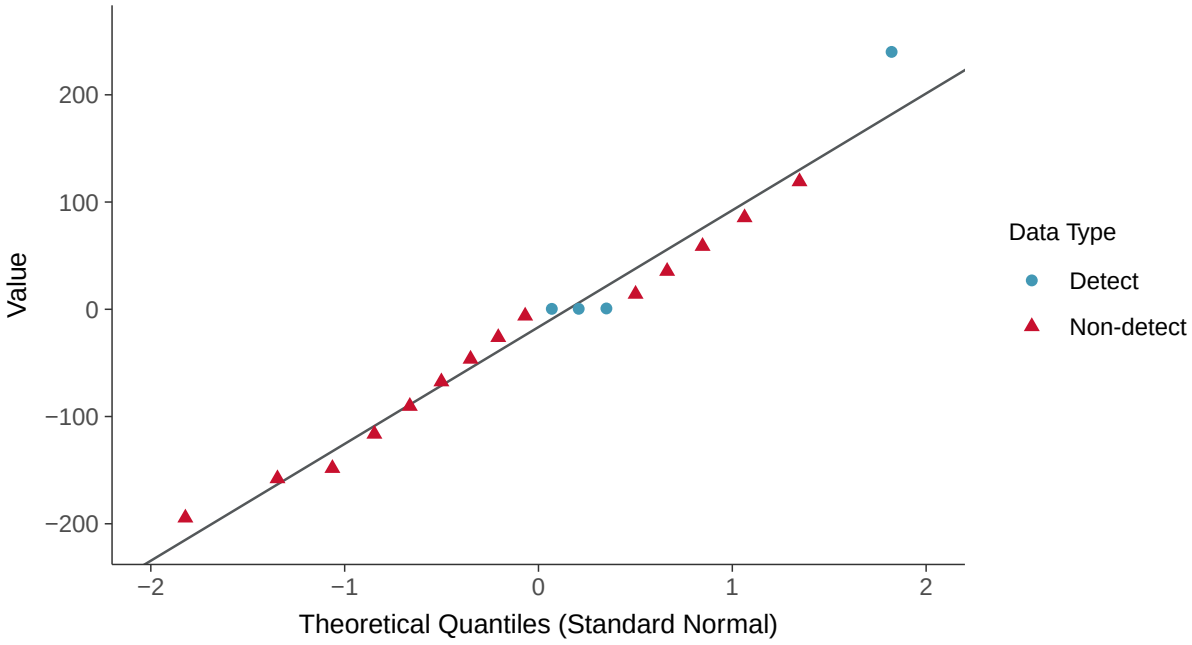
Boxplot by Season

Mercury, MW-03 (ng/L)



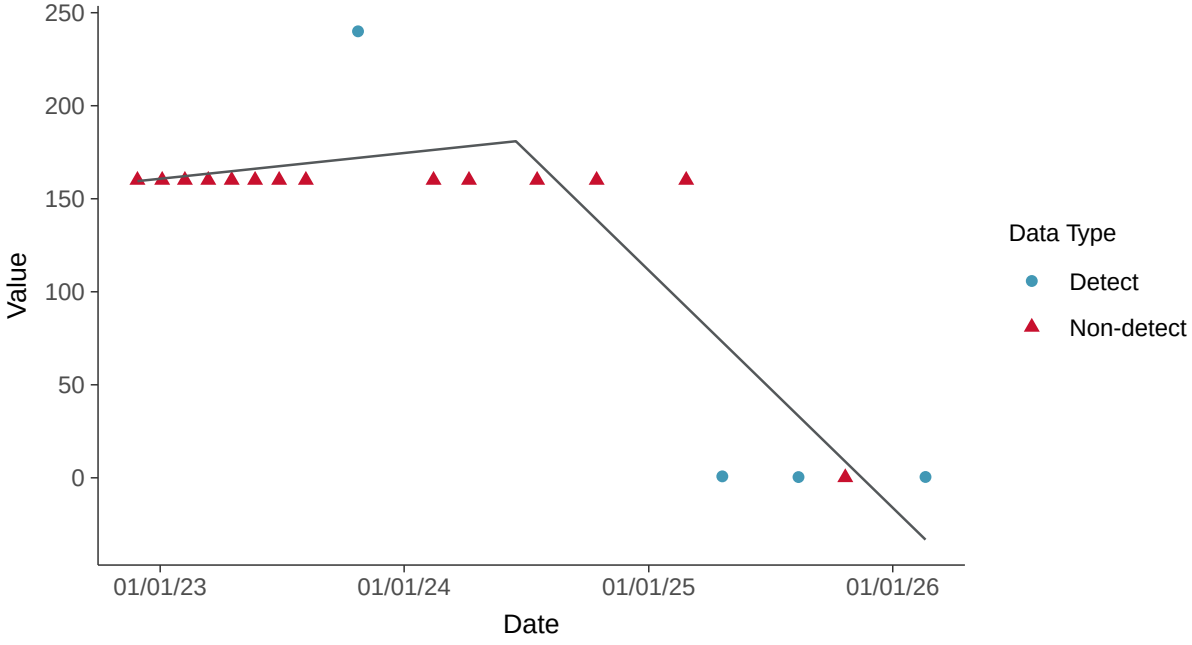
Normal Q-Q plot using ROS Imputed Estimates

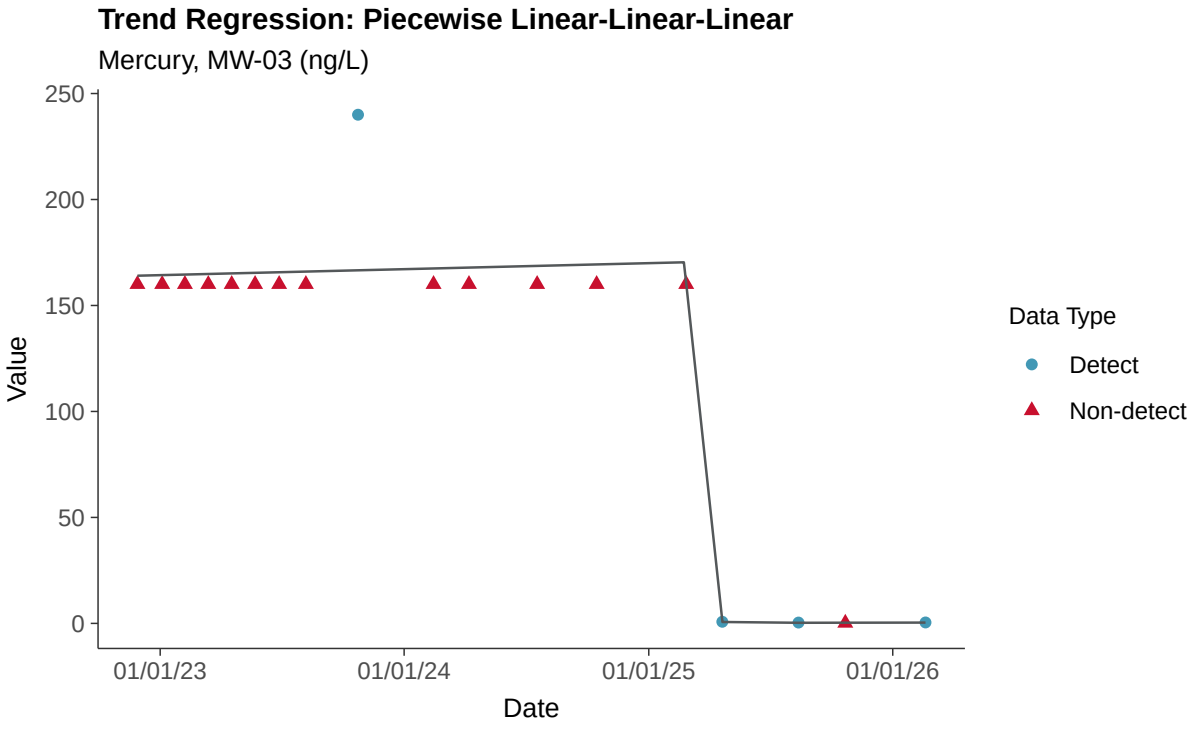
Mercury, MW-03 (ng/L)



Trend Regression: Piecewise Linear-Linear

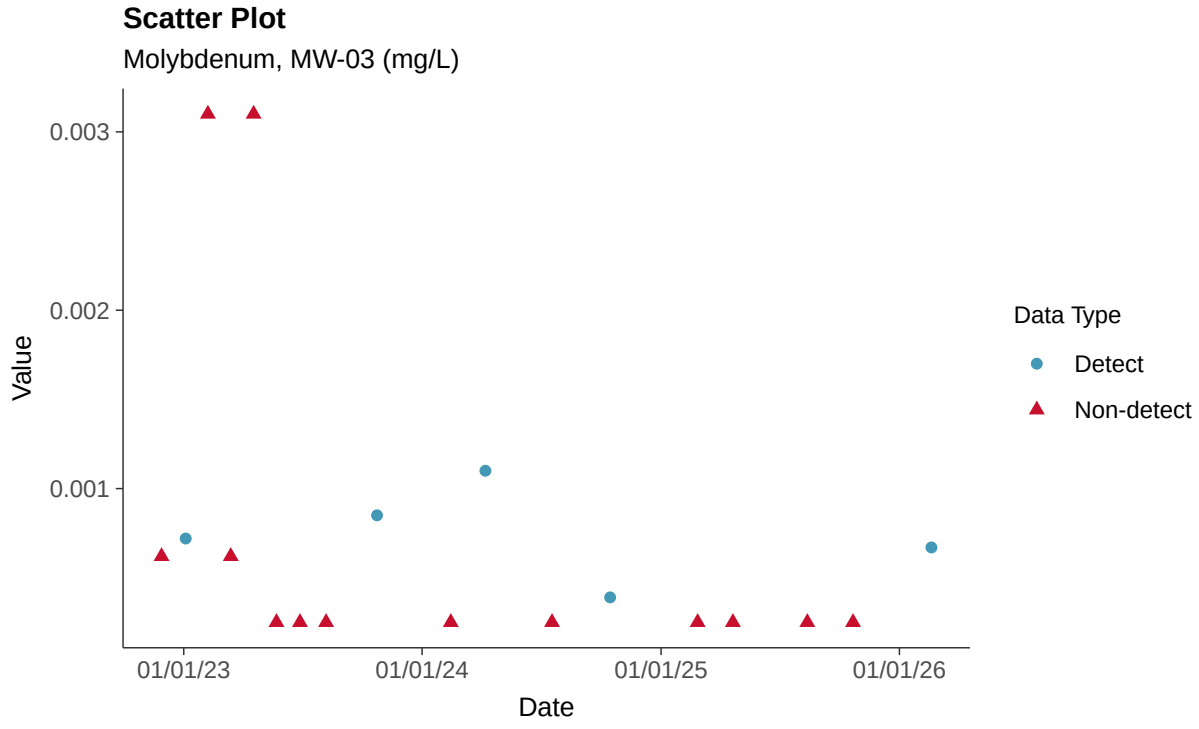
Mercury, MW-03 (ng/L)

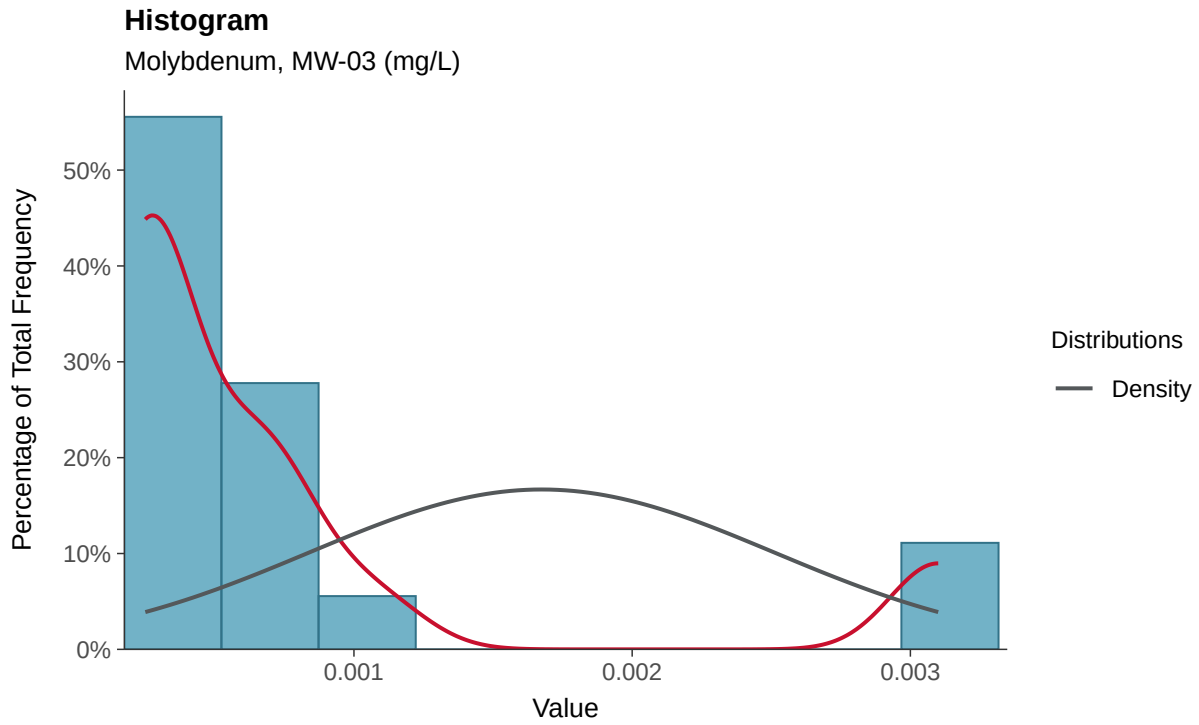



Trend Regression: Piecewise Linear-Linear-Linear
Mercury, MW-03 (ng/L)
250
200
150
100
50
0
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Molybdenum, MW-03

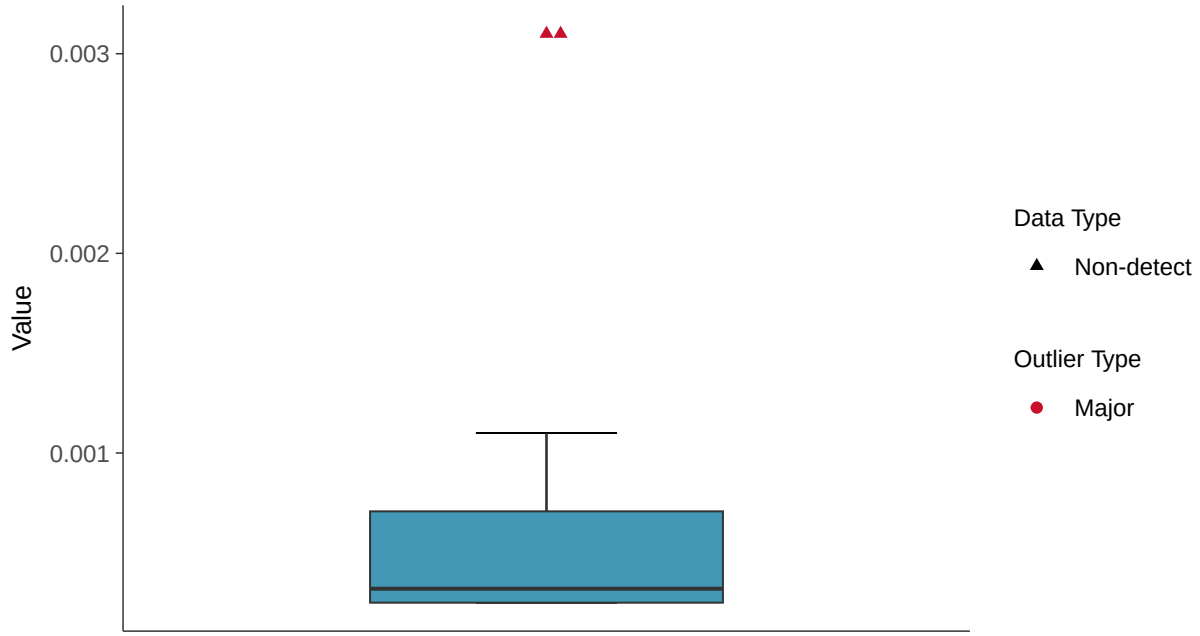
ID: 13_2_4_118





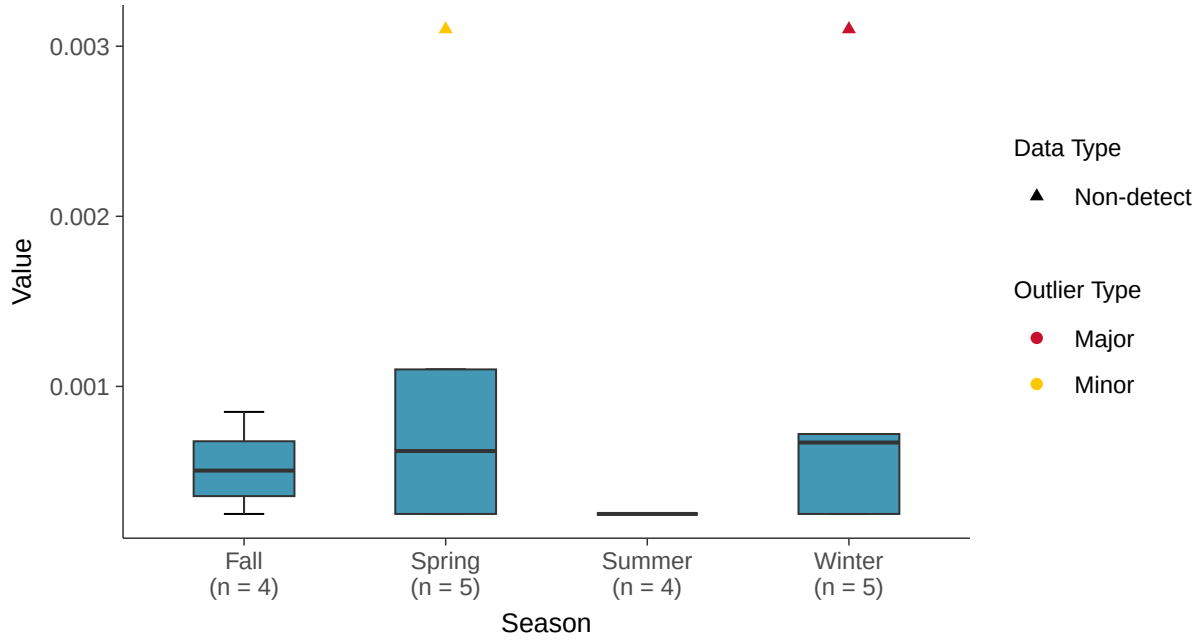
Boxplot

Molybdenum, MW-03 (mg/L)



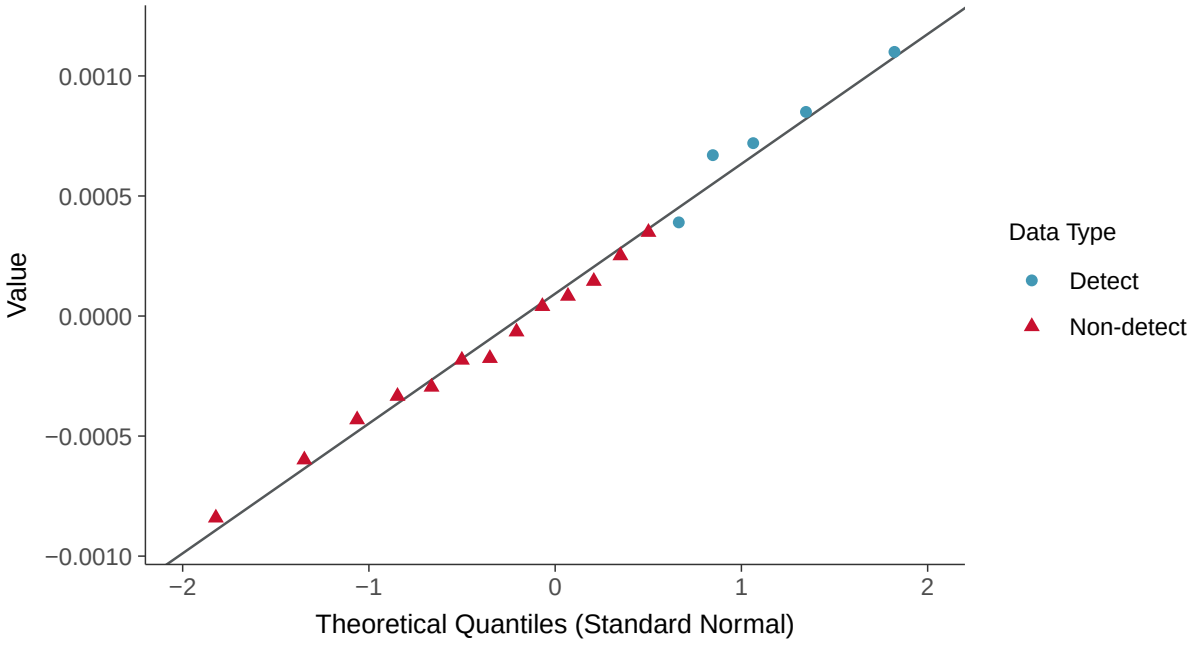
Boxplot by Season

Molybdenum, MW-03 (mg/L)



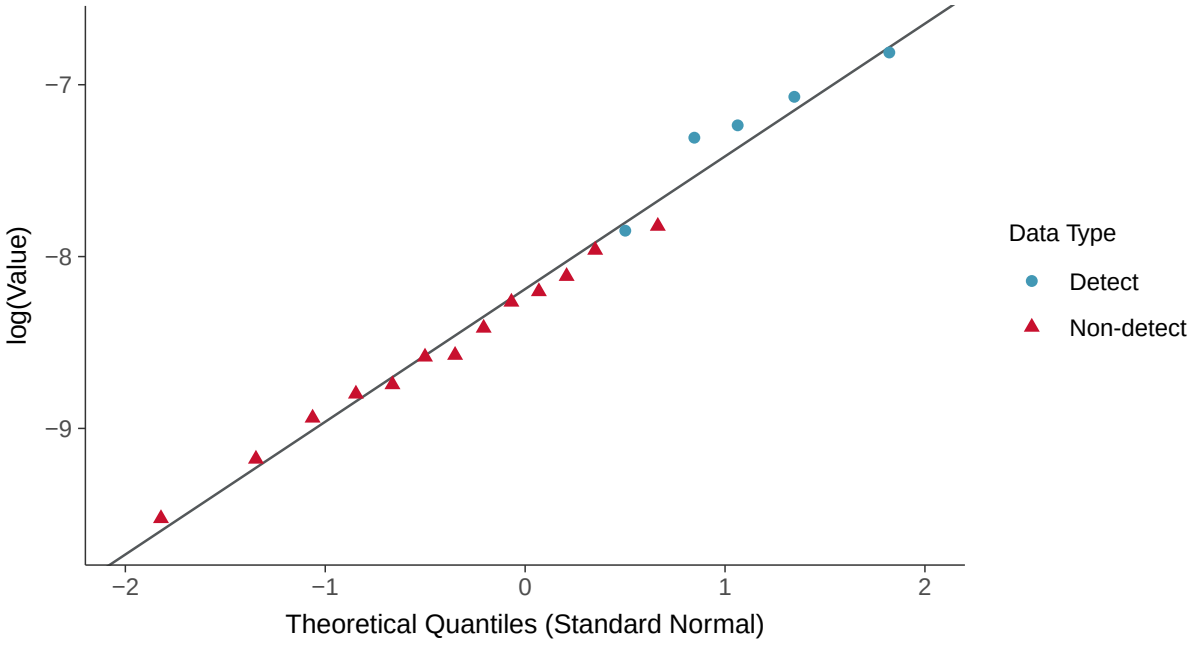
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-03 (mg/L)



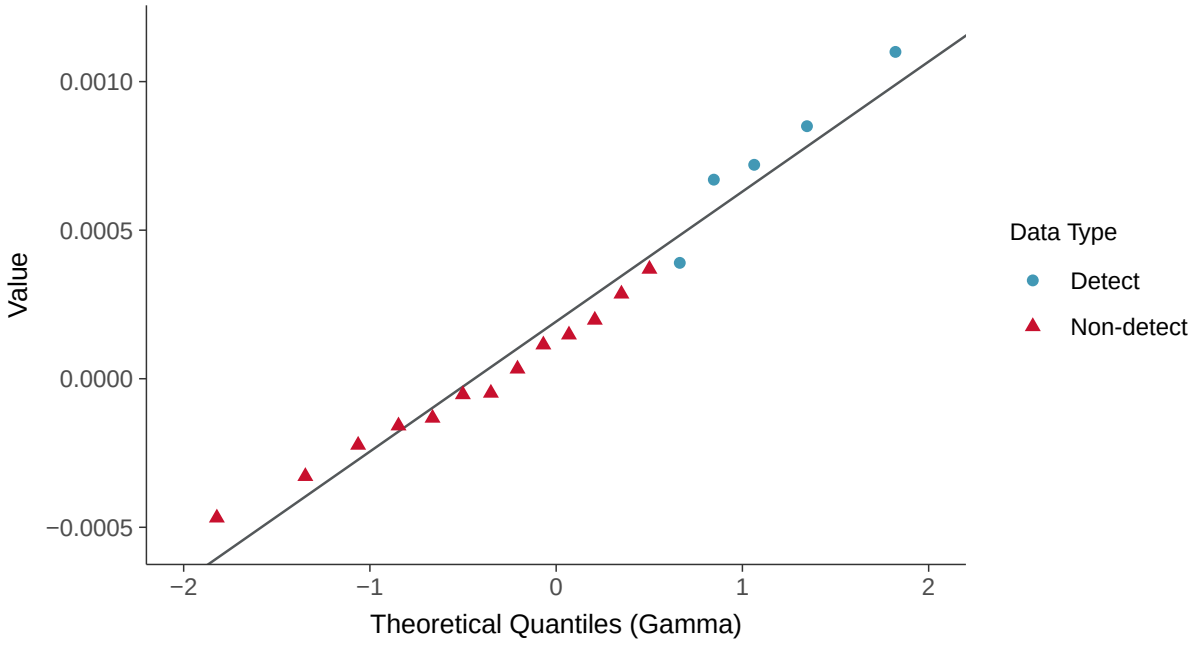
Lognormal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-03 (mg/L)



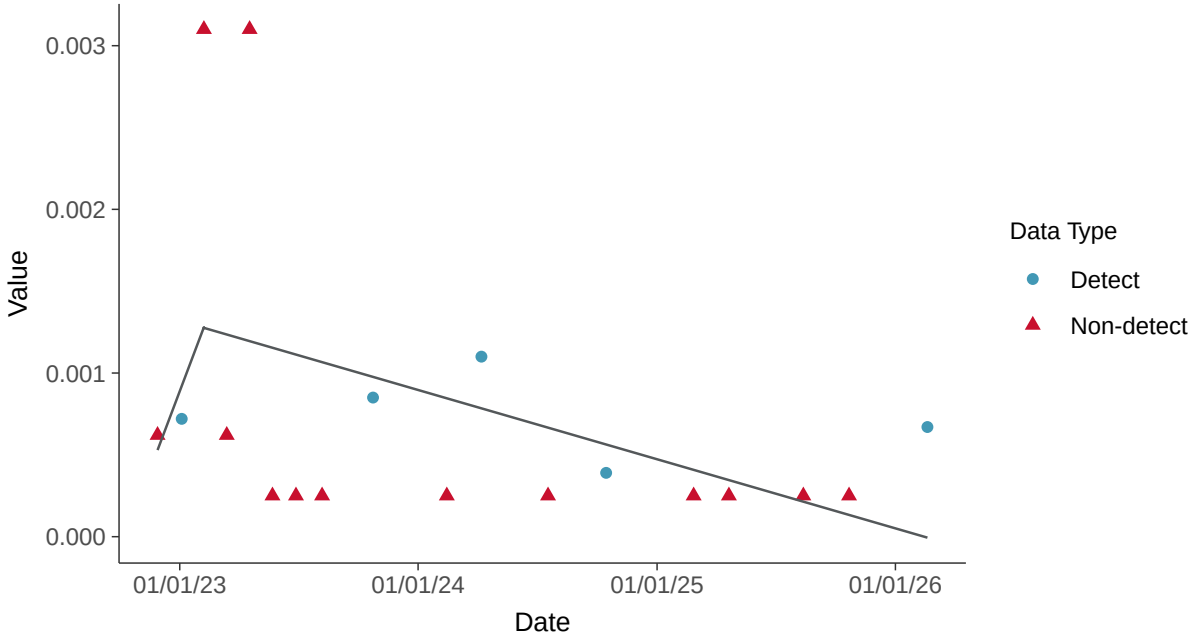
Gamma Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-03 (mg/L)



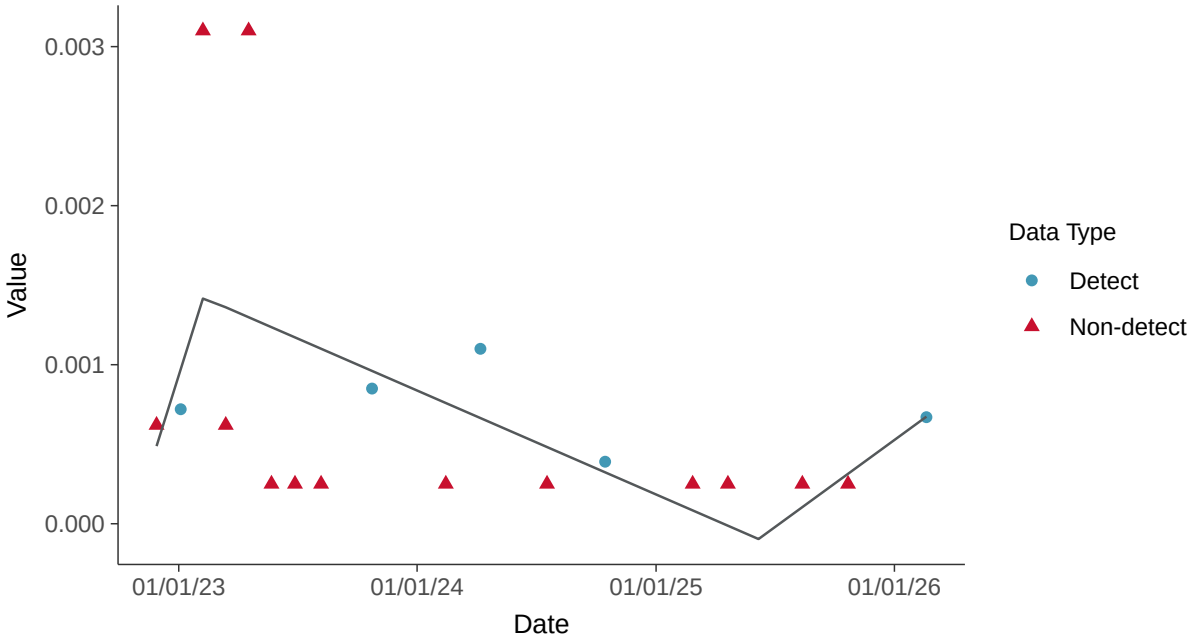
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-03 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-03 (mg/L)

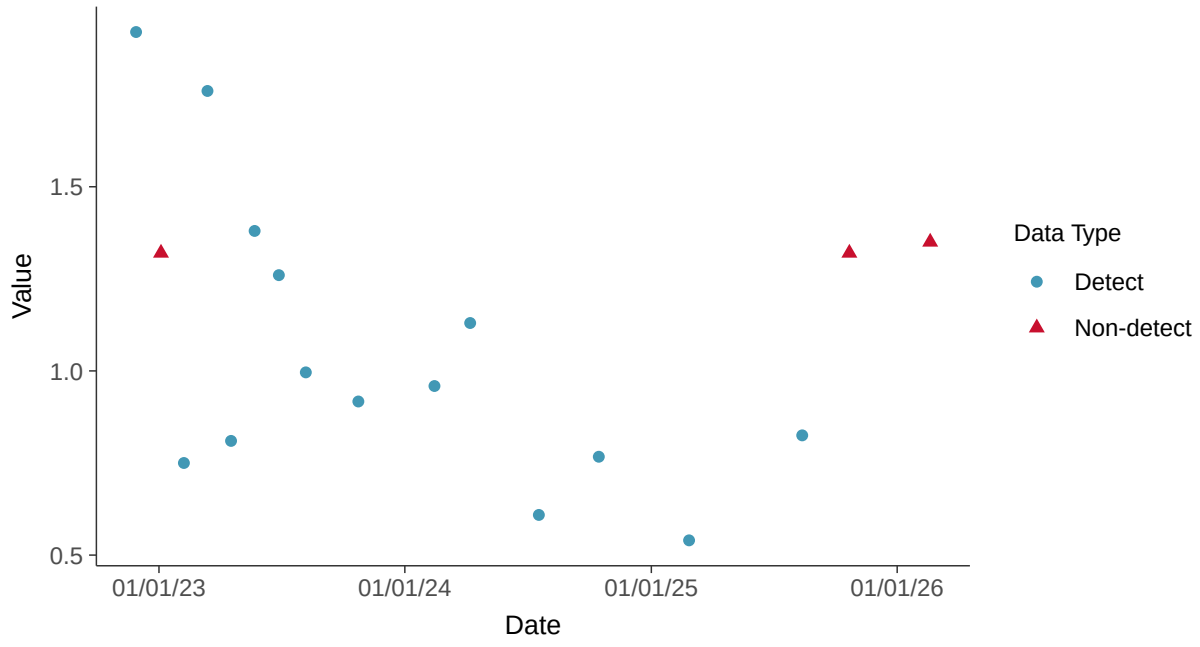


Appendix IV: Radium 226 and 228, MW-03

ID: 13_2_4_121

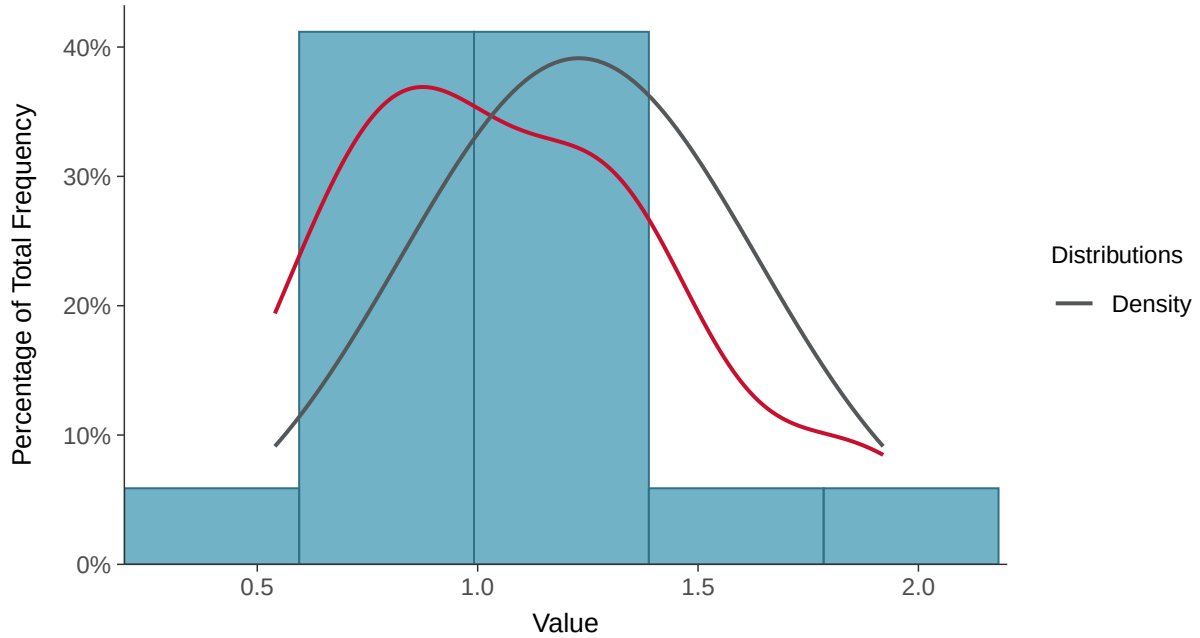
Scatter Plot

Radium 226 and 228, MW-03 (pCi/L)



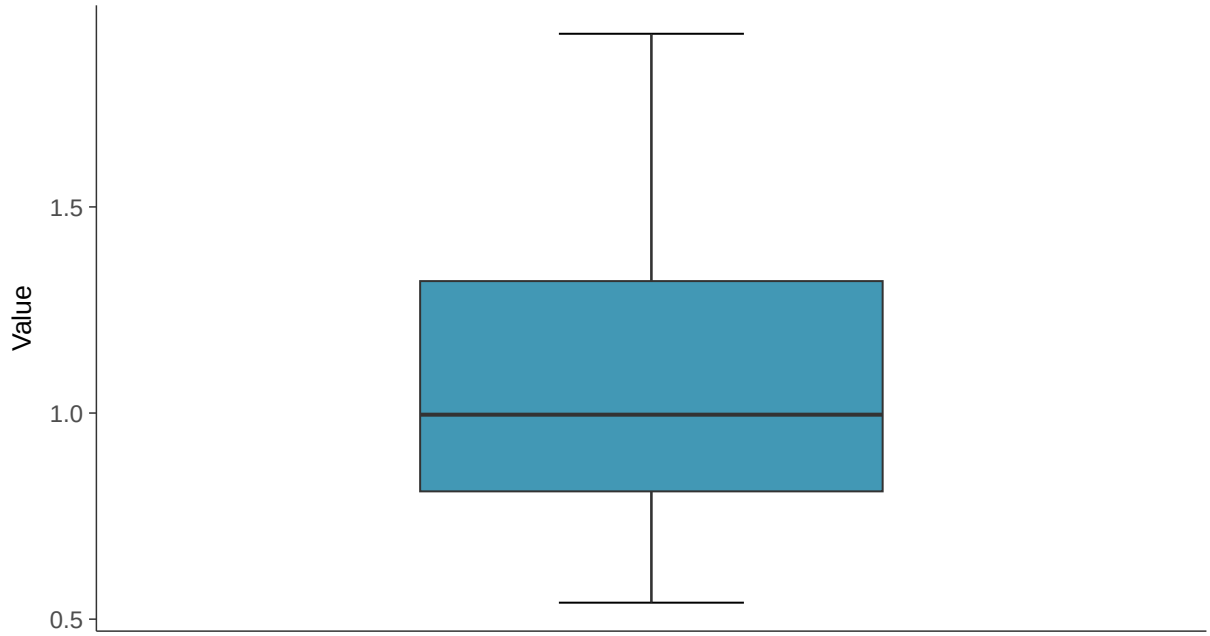
Histogram

Radium 226 and 228, MW-03 (pCi/L)



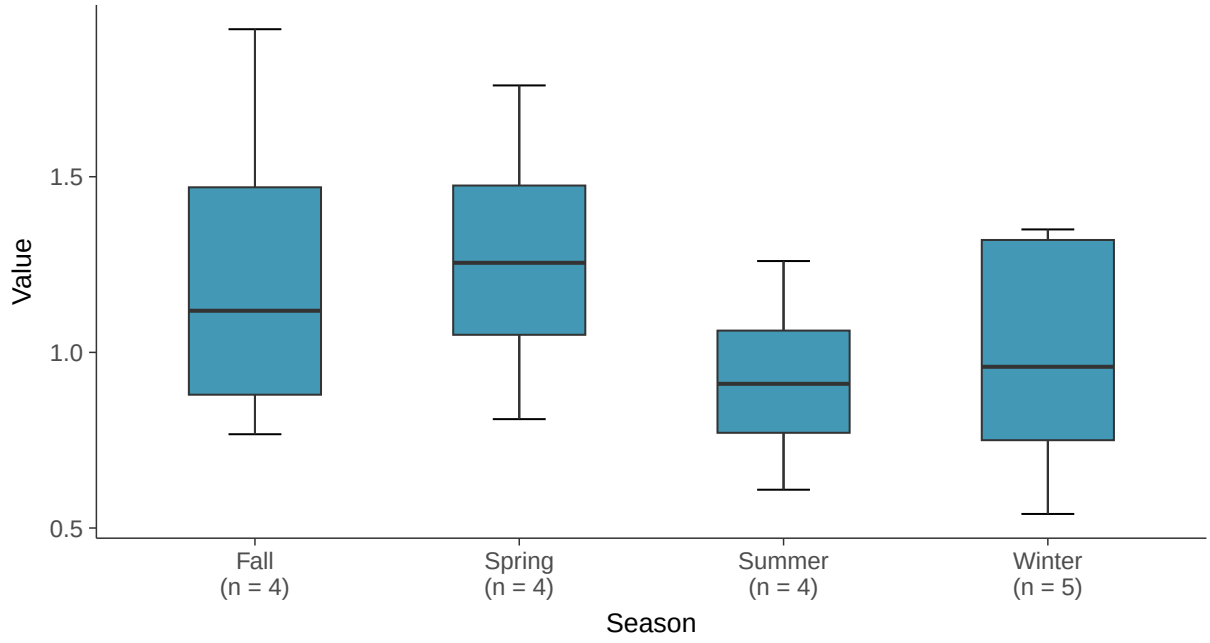
Boxplot

Radium 226 and 228, MW-03 (pCi/L)



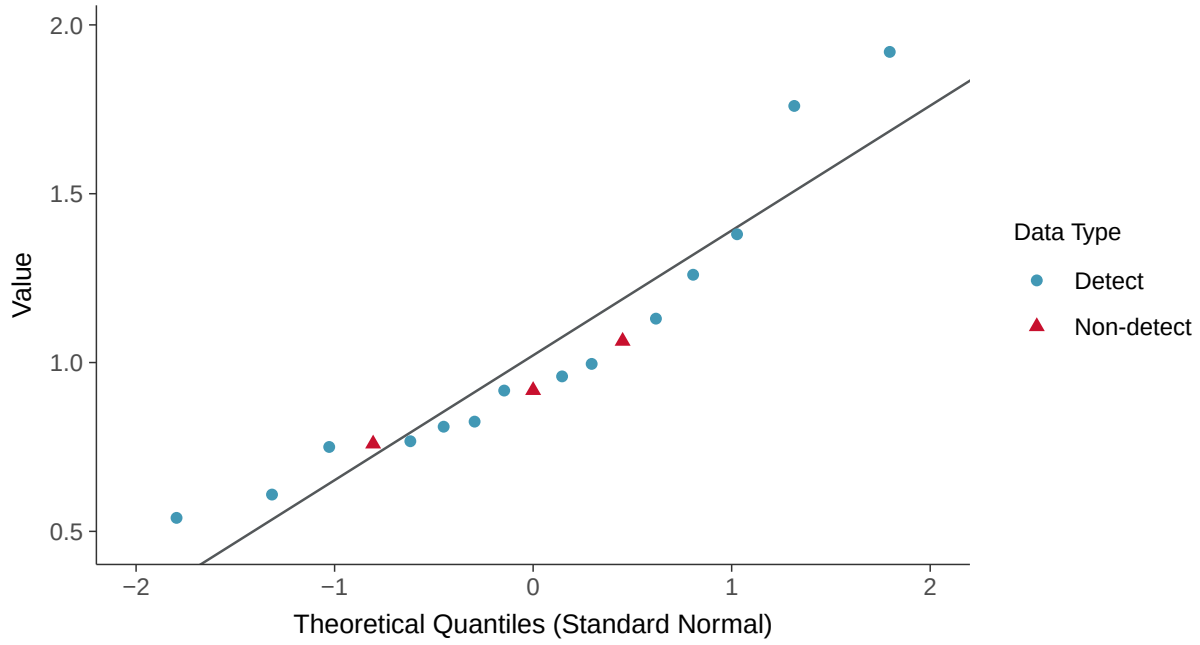
Boxplot by Season

Radium 226 and 228, MW-03 (pCi/L)



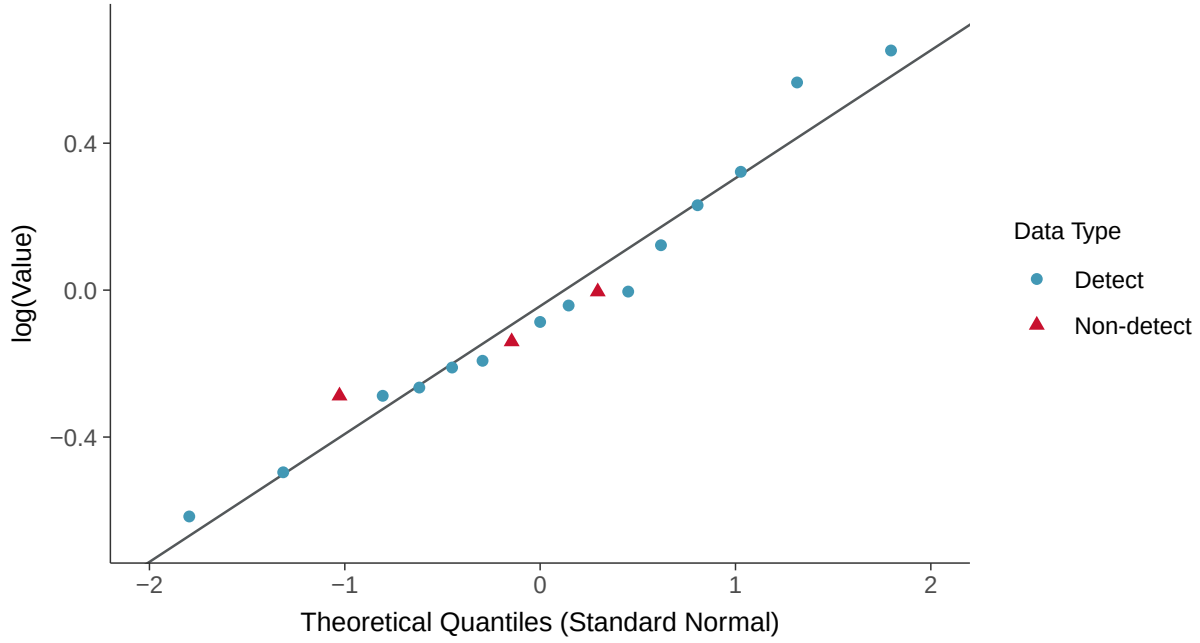
Normal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-03 (pCi/L)



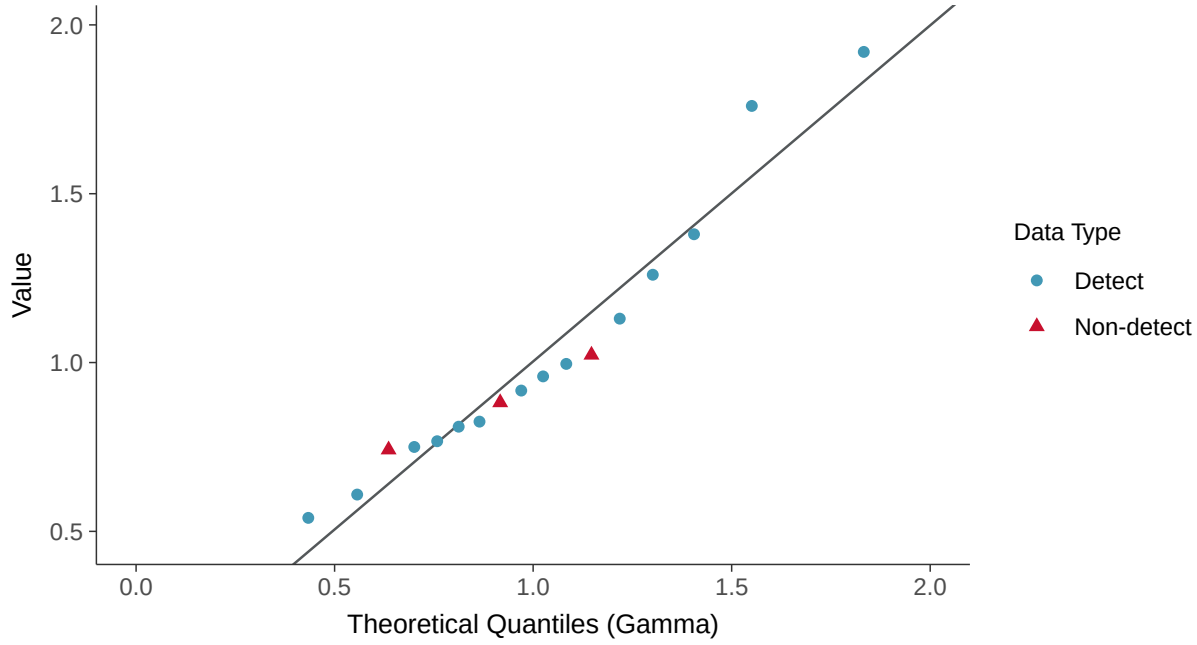
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-03 (pCi/L)



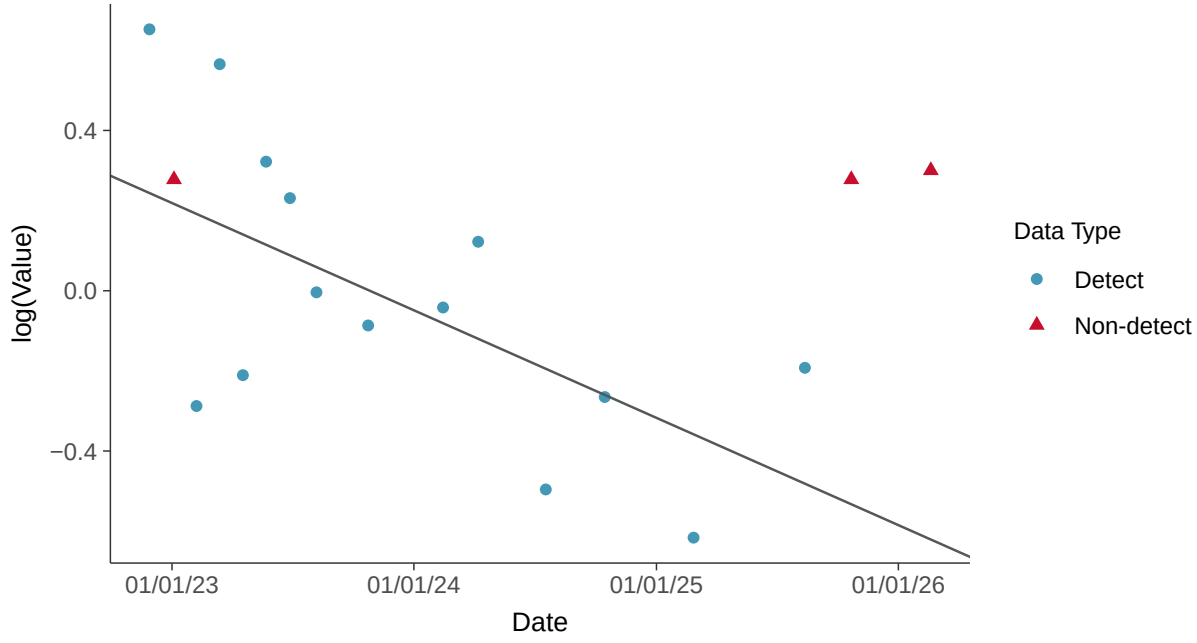
Gamma Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-03 (pCi/L)



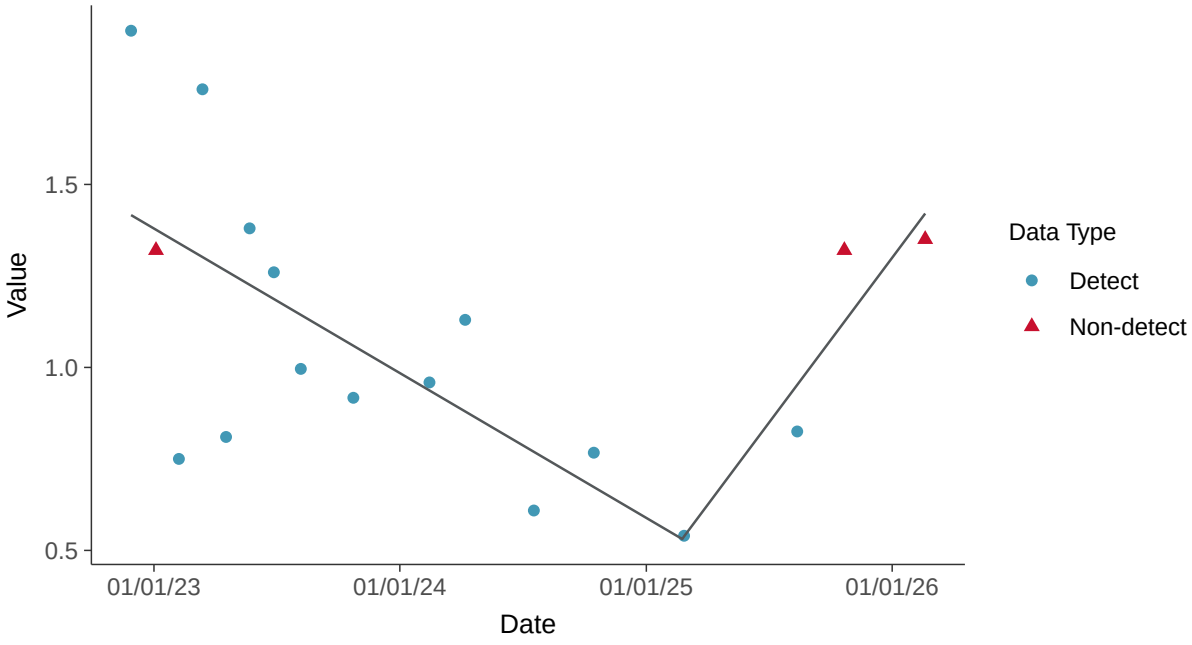
Trend Regression: Lognormal MLE

Radium 226 and 228, MW-03 (pCi/L)



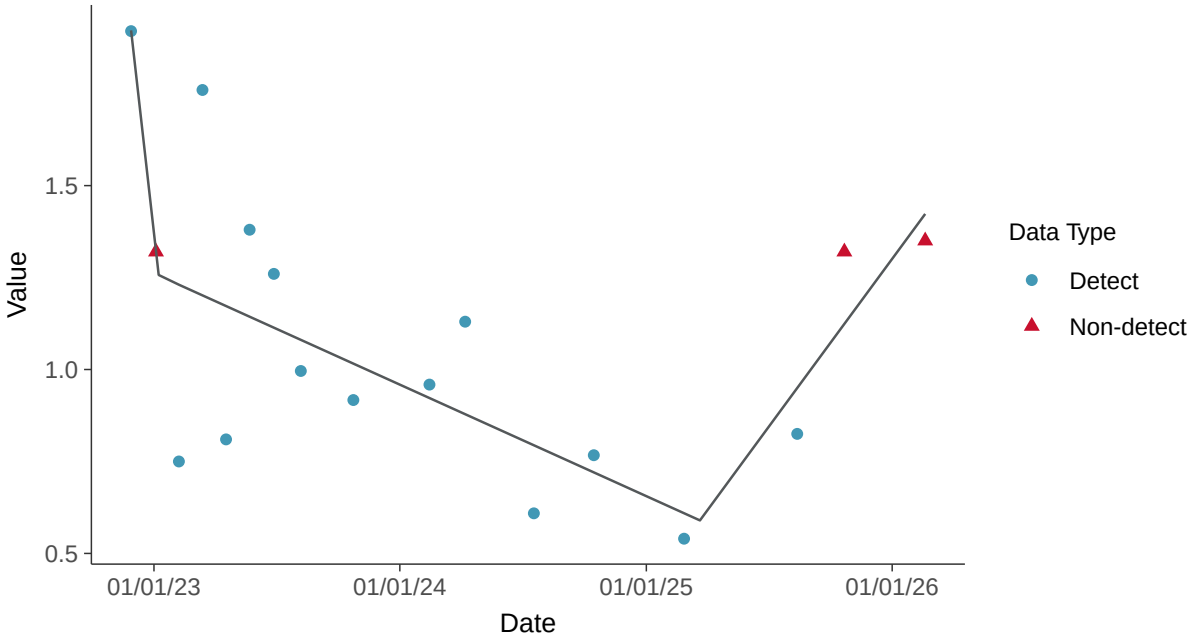
Trend Regression: Piecewise Linear-Linear

Radium 226 and 228, MW-03 (pCi/L)



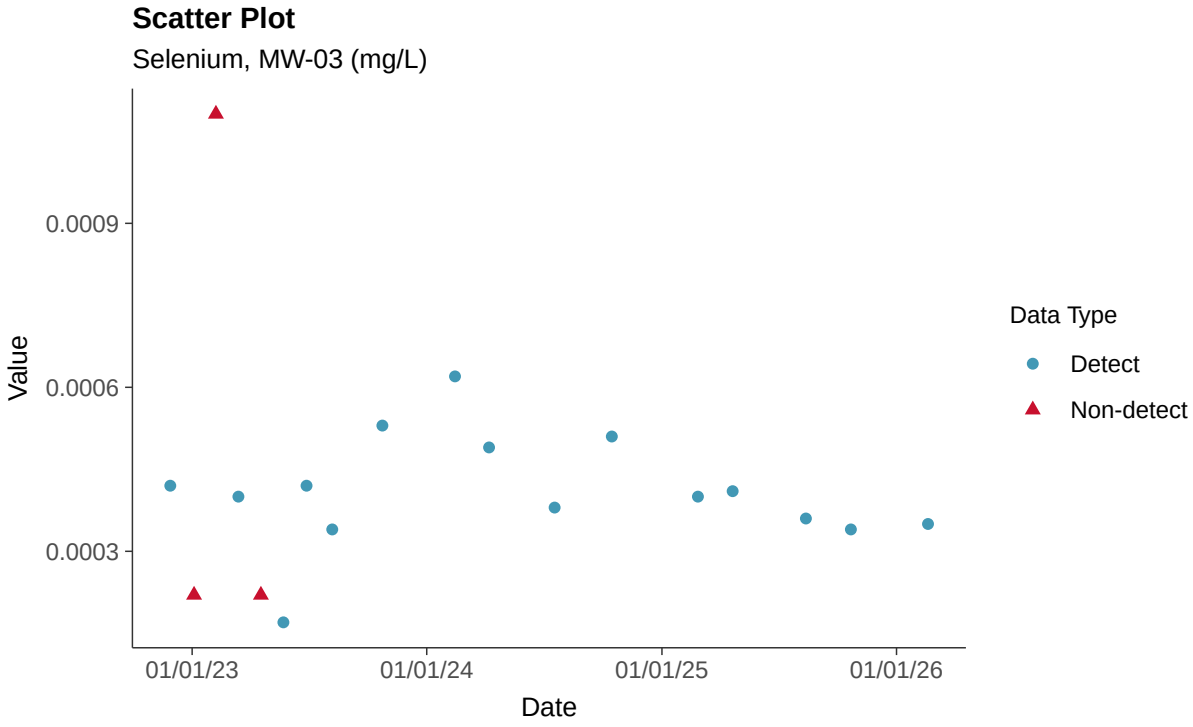
Trend Regression: Piecewise Linear-Linear-Linear

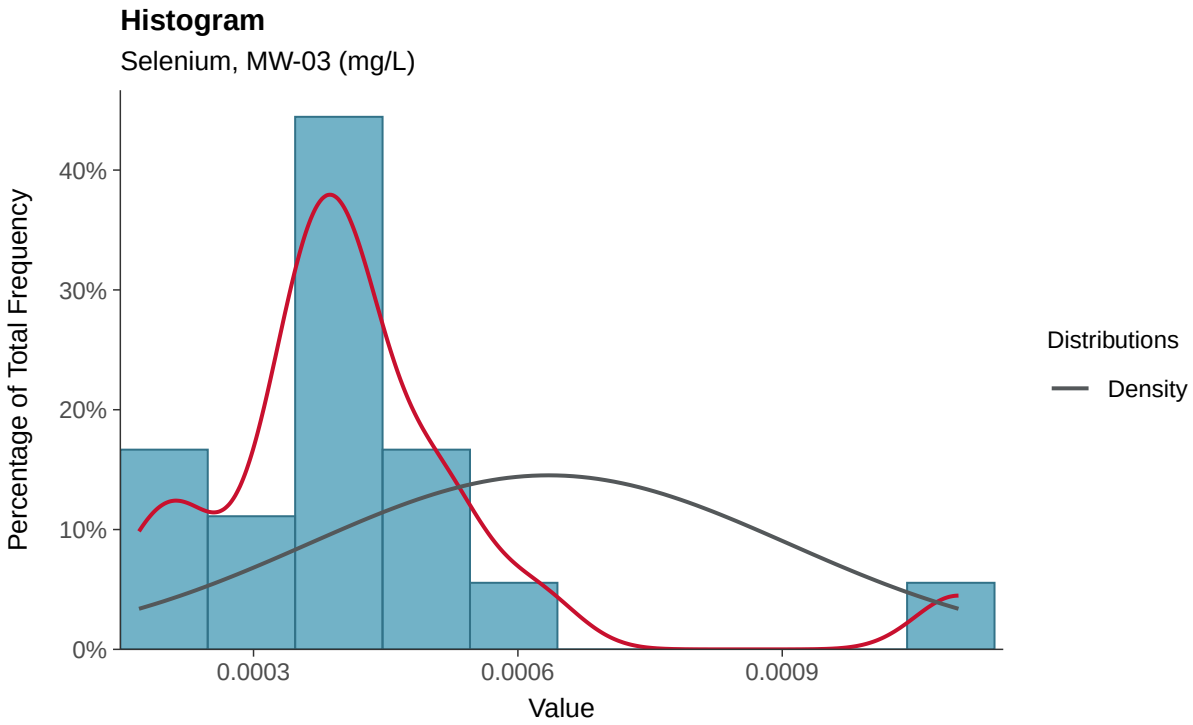
Radium 226 and 228, MW-03 (pCi/L)



Appendix IV: Selenium, MW-03

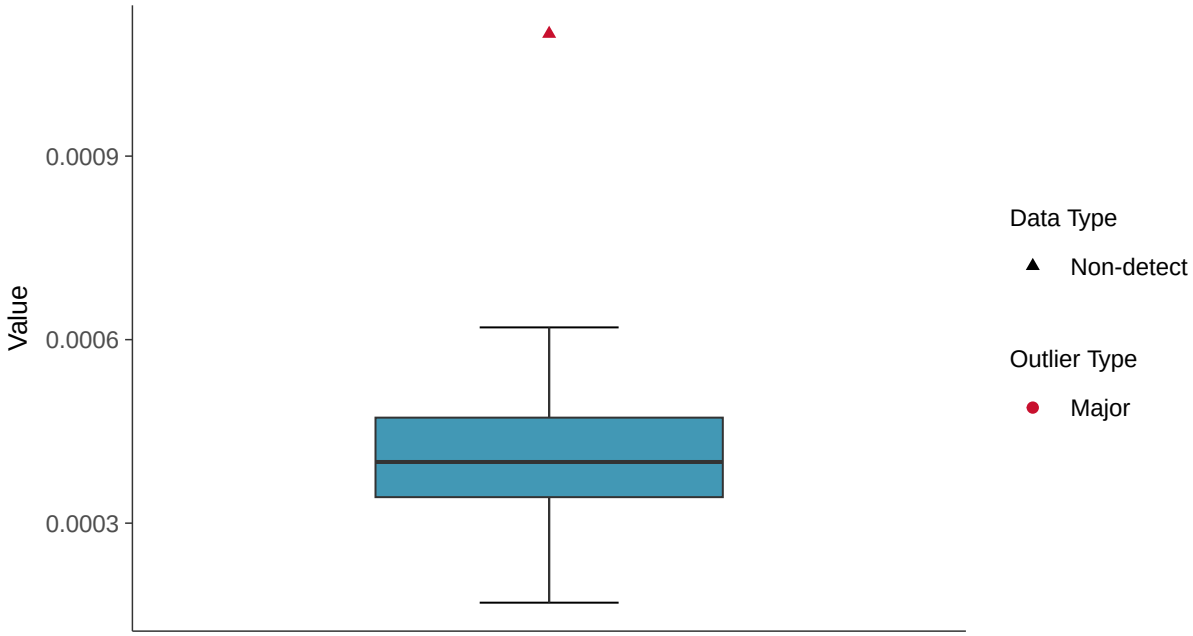
ID: 13_2_4_122





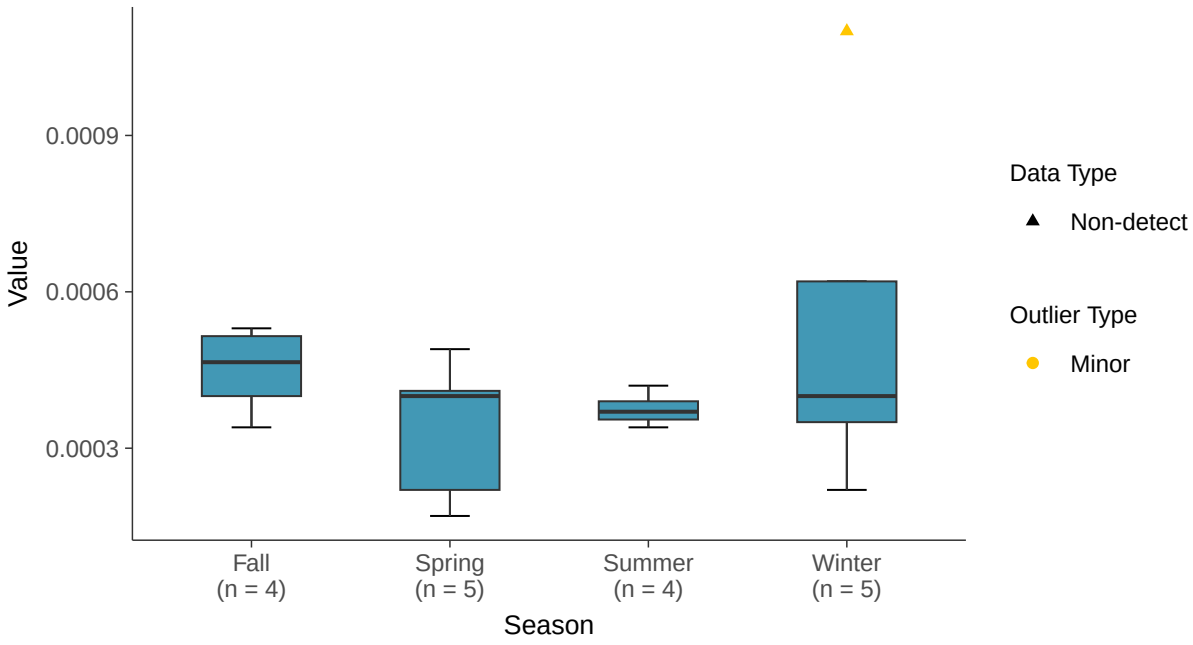
Boxplot

Selenium, MW-03 (mg/L)



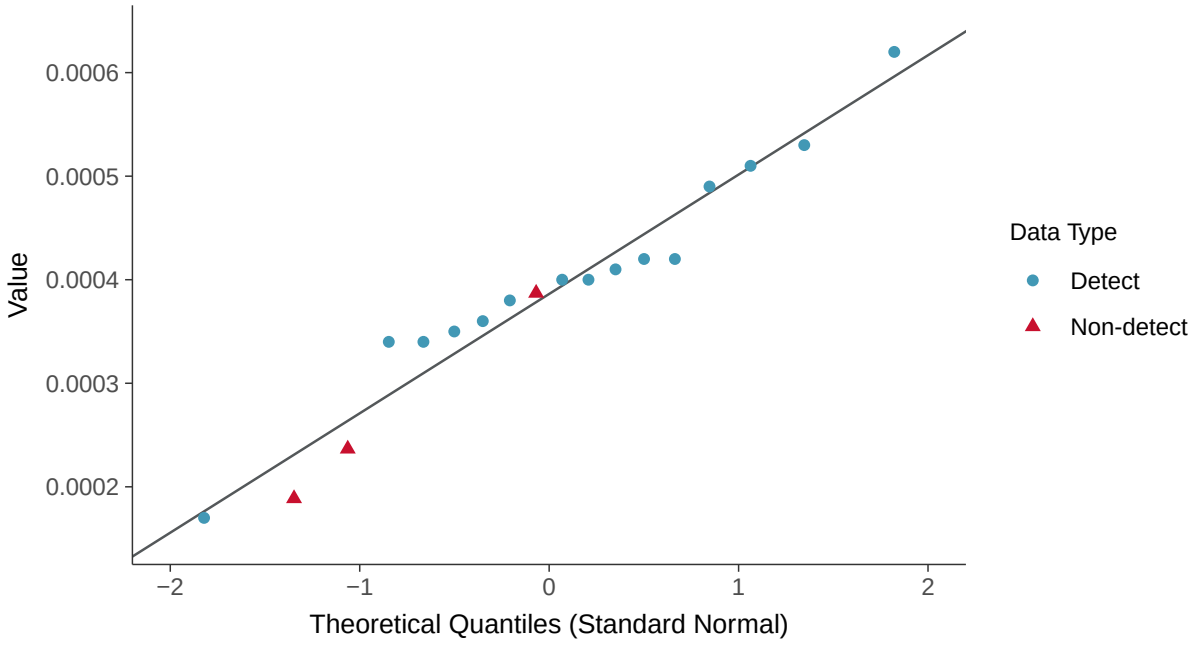
Boxplot by Season

Selenium, MW-03 (mg/L)



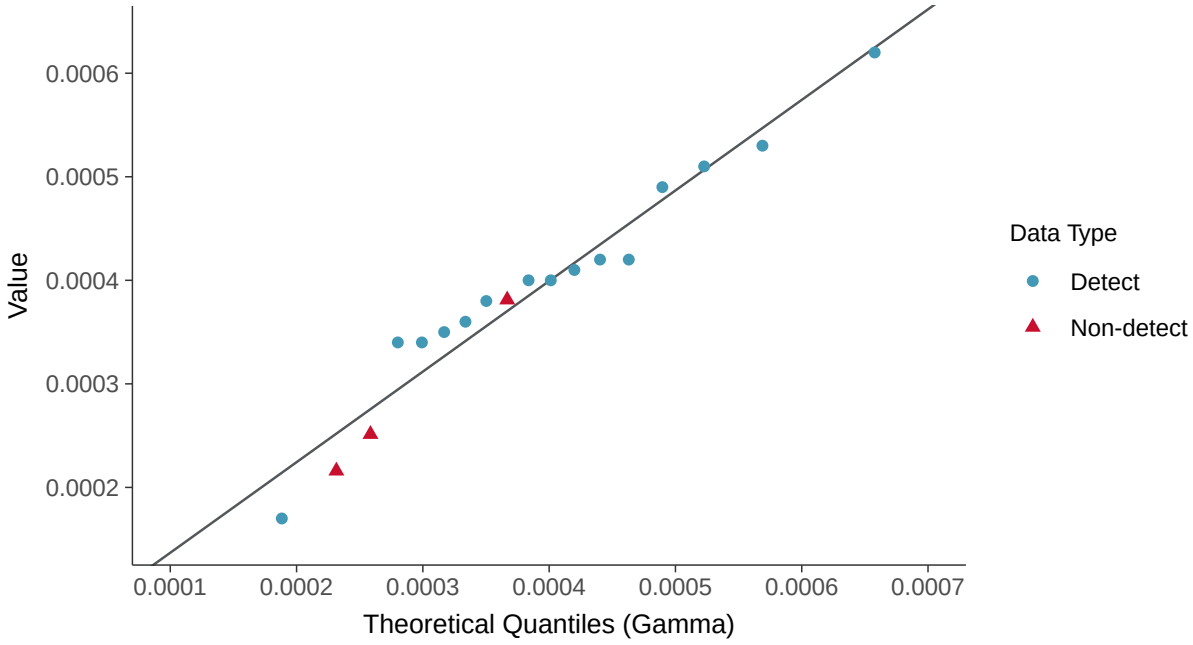
Normal Q-Q plot using ROS Imputed Estimates

Selenium, MW-03 (mg/L)



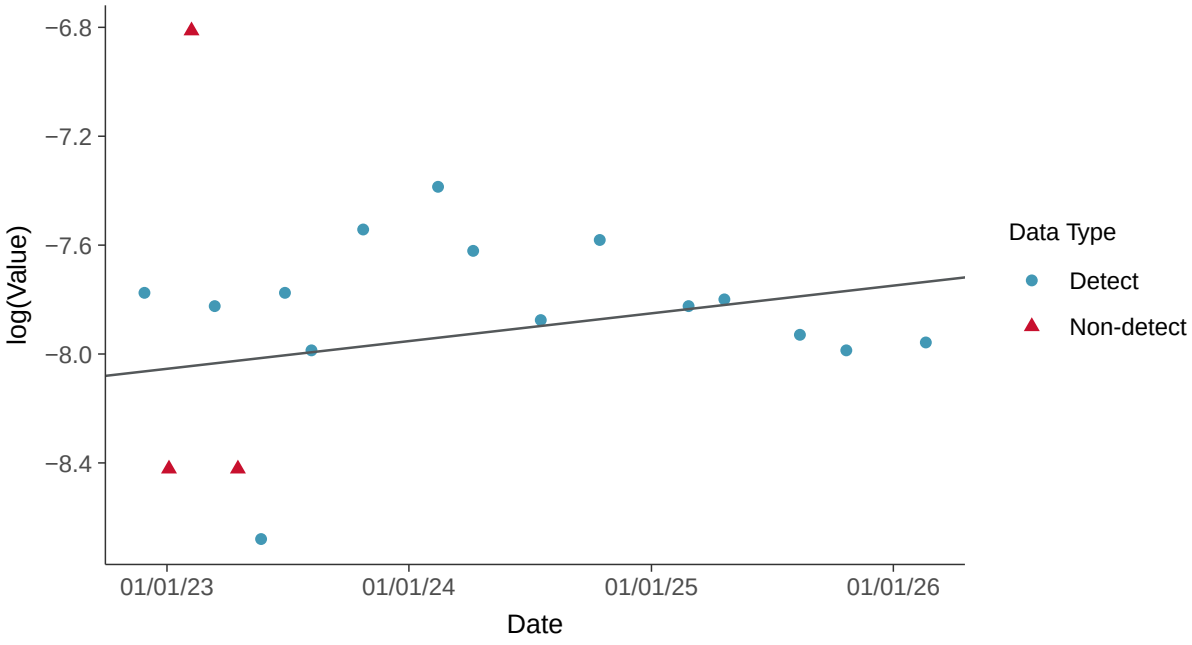
Gamma Q-Q plot using ROS Imputed Estimates

Selenium, MW-03 (mg/L)



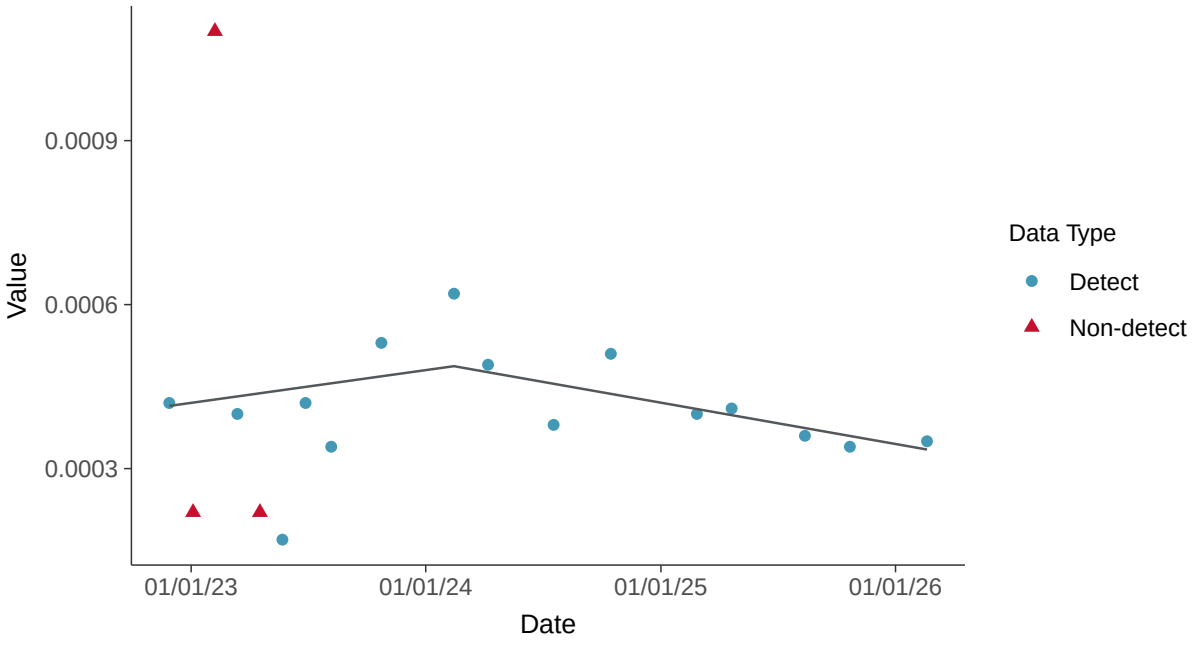
Trend Regression: Lognormal MLE

Selenium, MW-03 (mg/L)



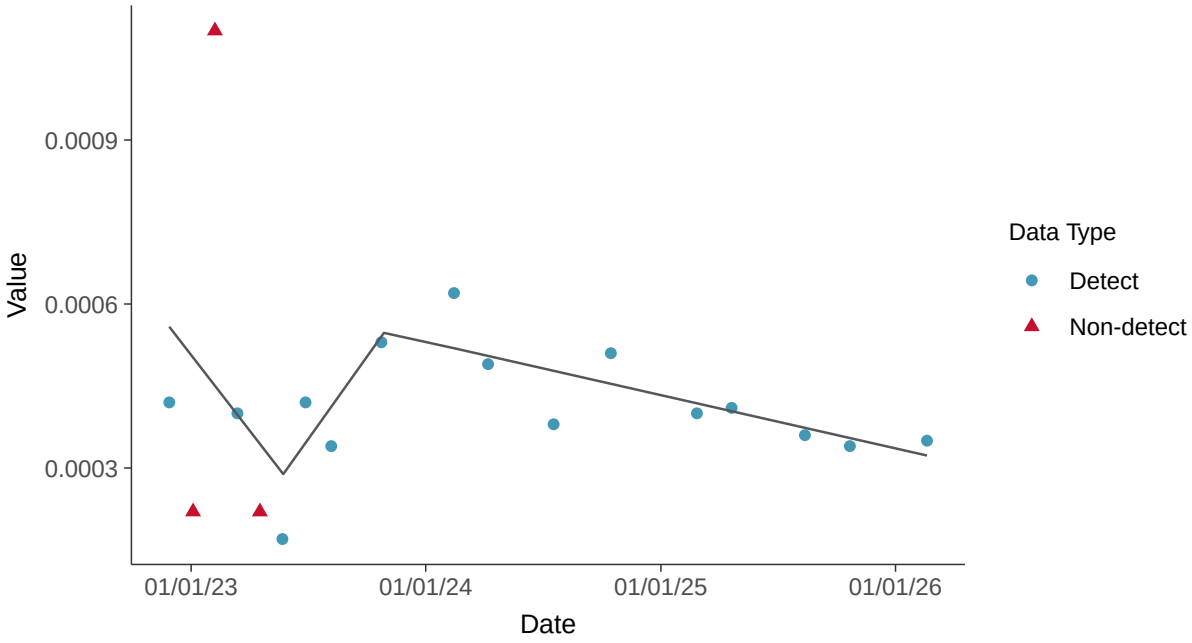
Trend Regression: Piecewise Linear-Linear

Selenium, MW-03 (mg/L)



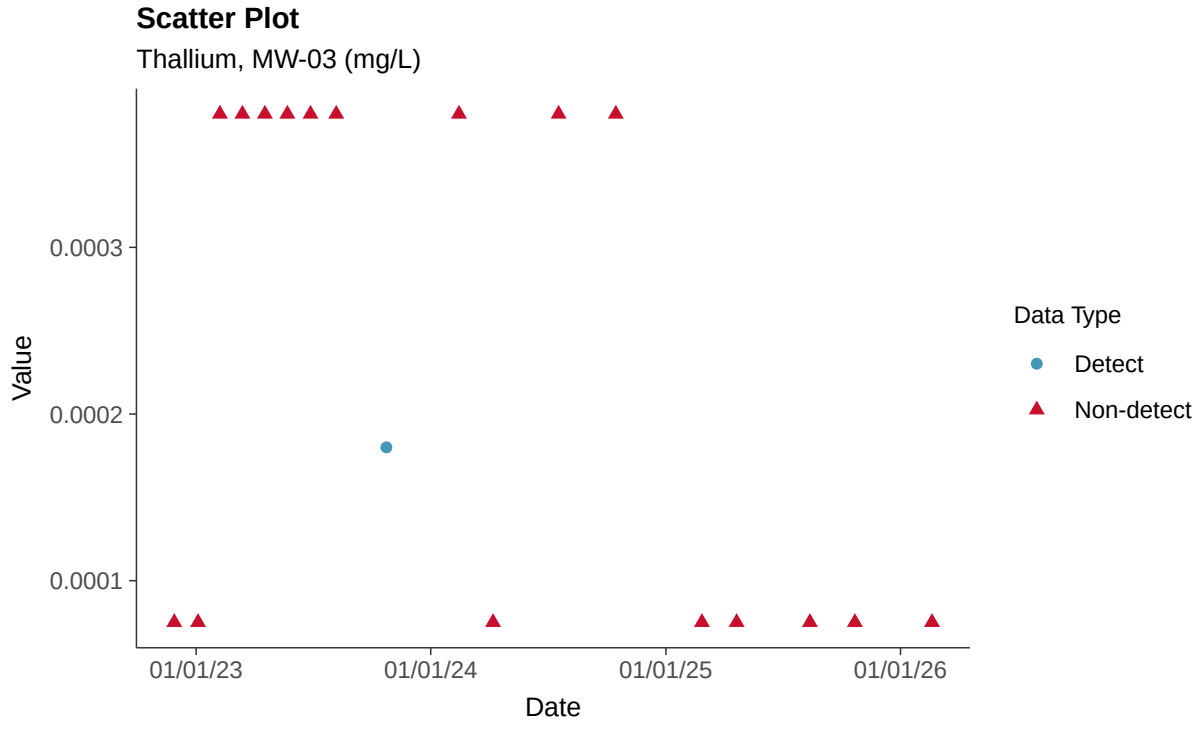
Trend Regression: Piecewise Linear-Linear-Linear

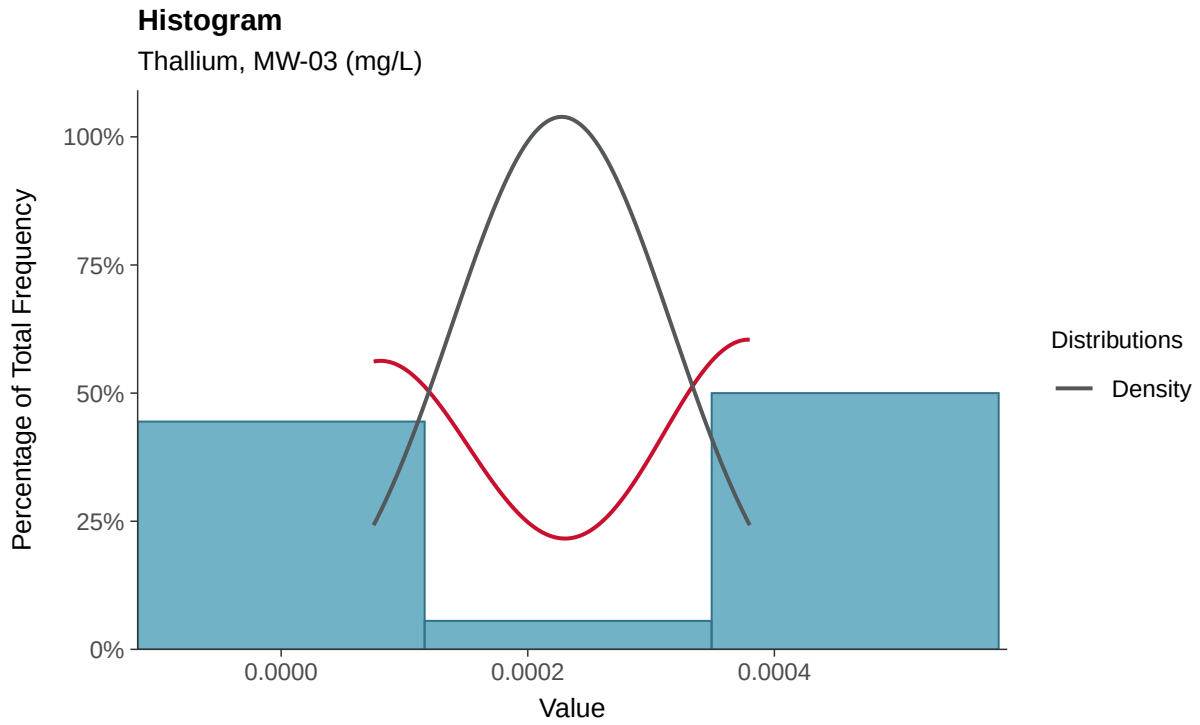
Selenium, MW-03 (mg/L)



Appendix IV: Thallium, MW-03

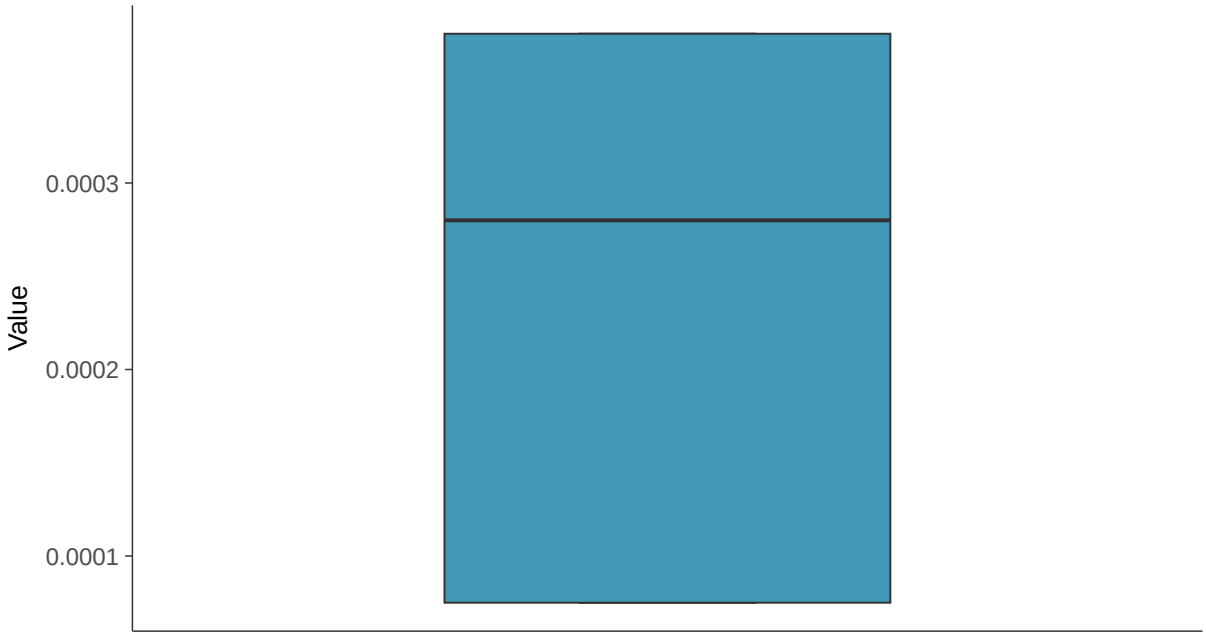
ID: 13_2_4_125





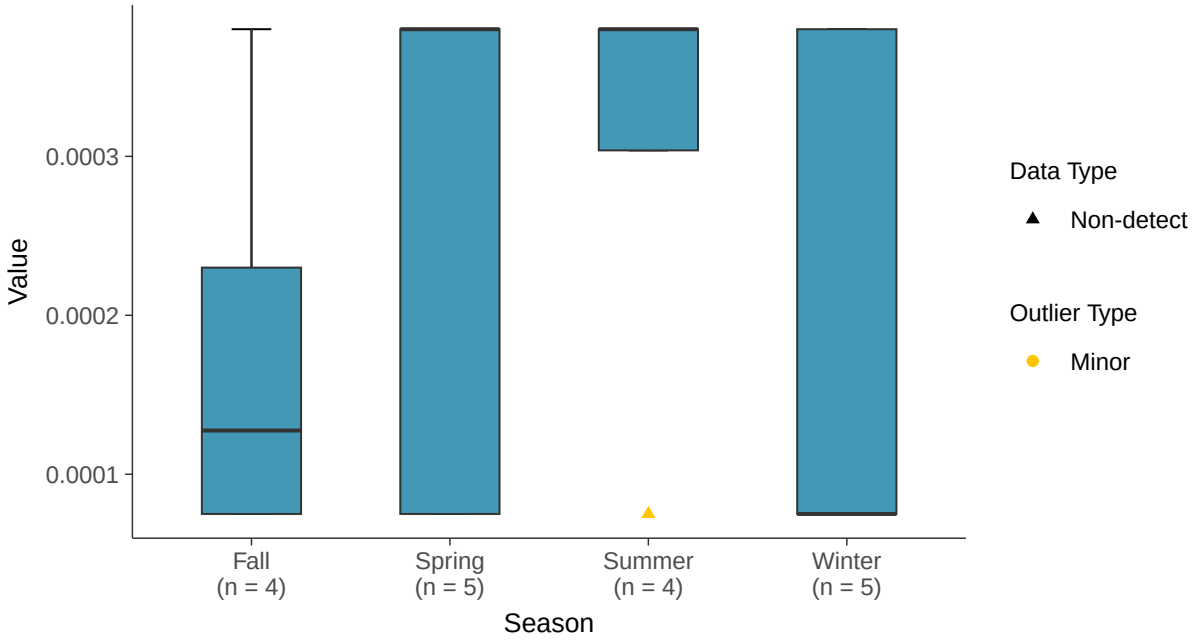
Boxplot

Thallium, MW-03 (mg/L)



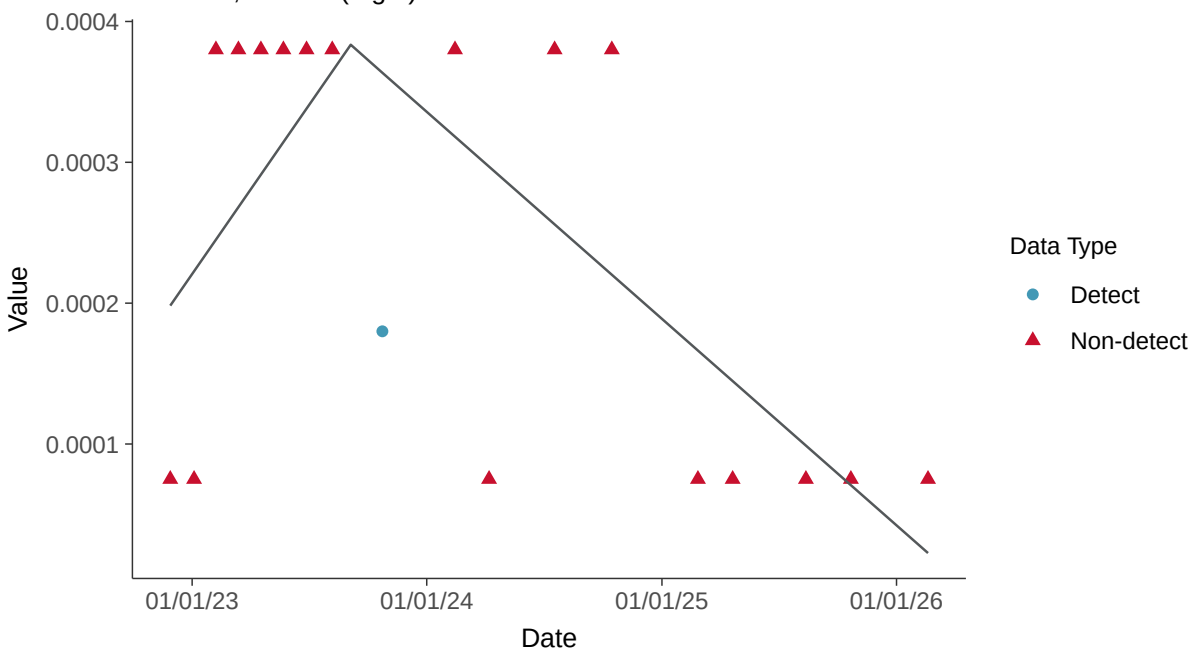
Boxplot by Season

Thallium, MW-03 (mg/L)



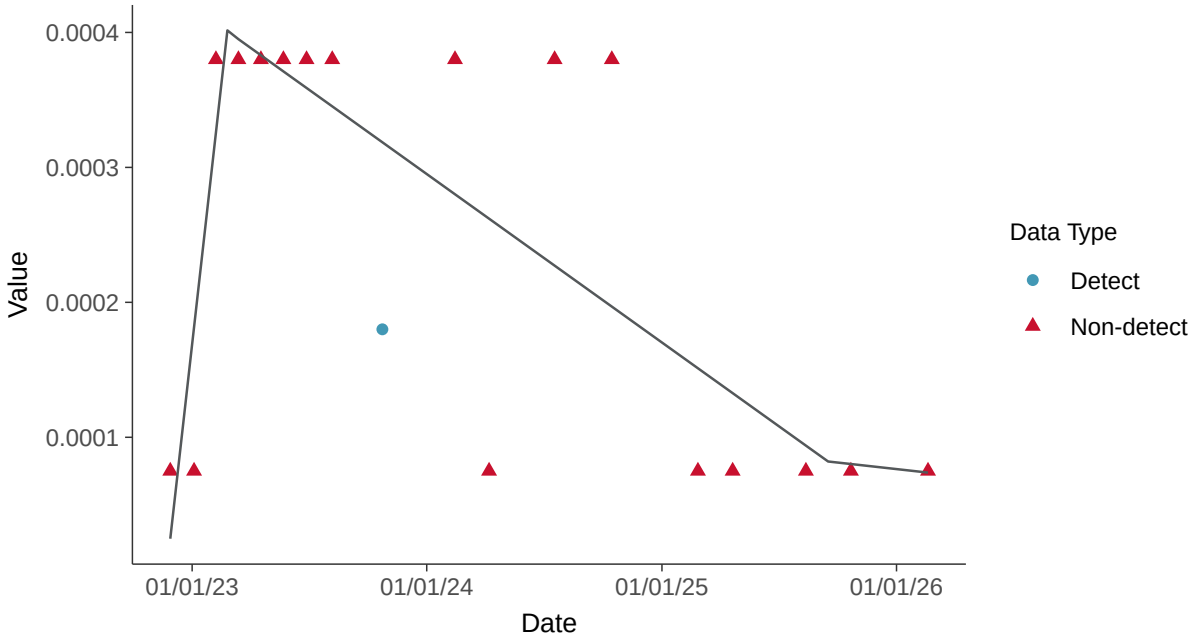
Trend Regression: Piecewise Linear-Linear

Thallium, MW-03 (mg/L)



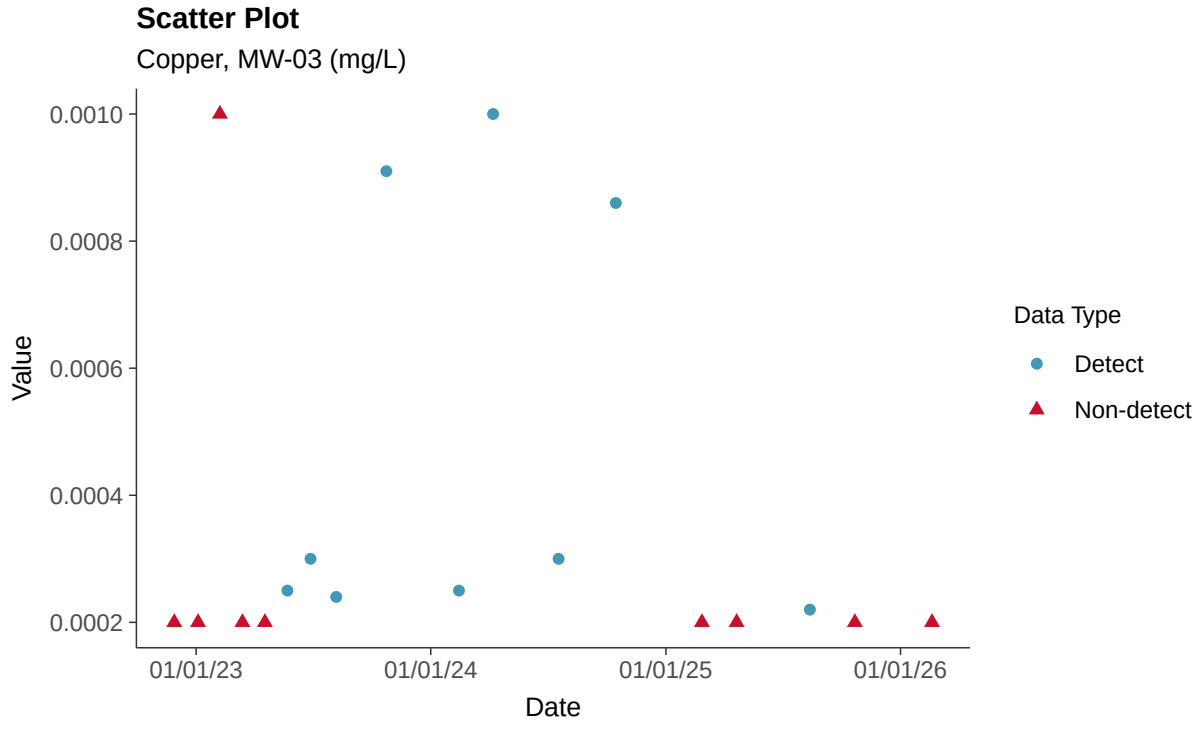
Trend Regression: Piecewise Linear-Linear-Linear

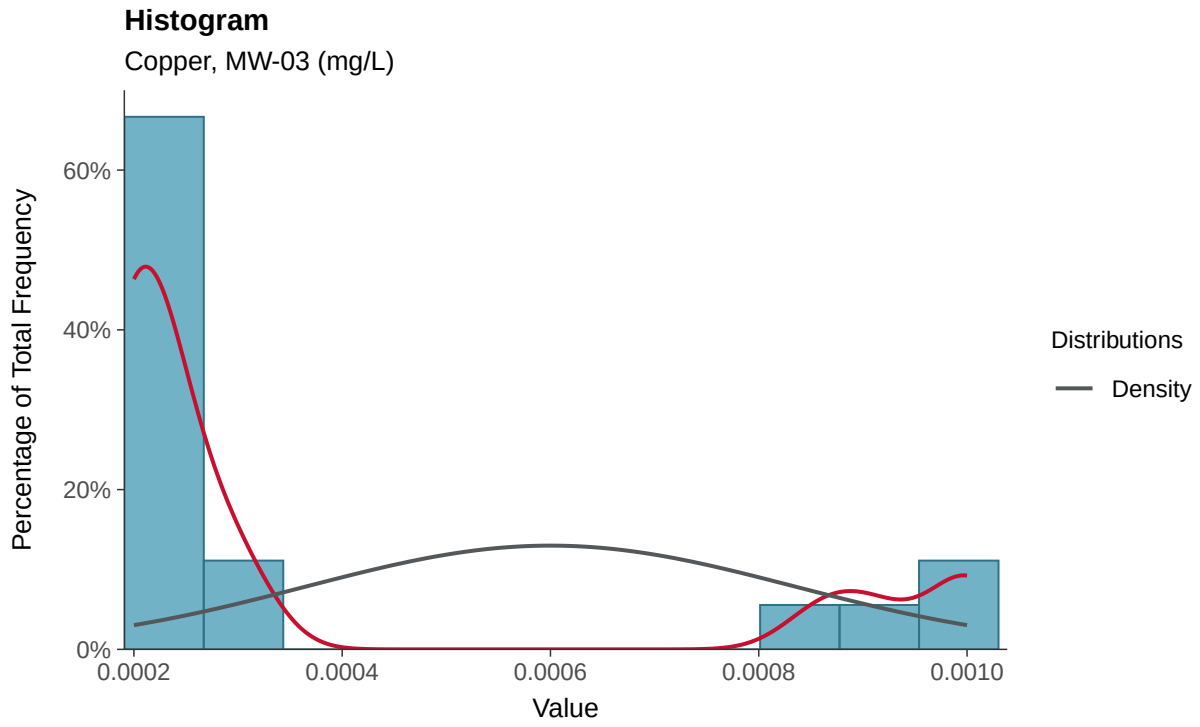
Thallium, MW-03 (mg/L)



Part 115: Copper, MW-03

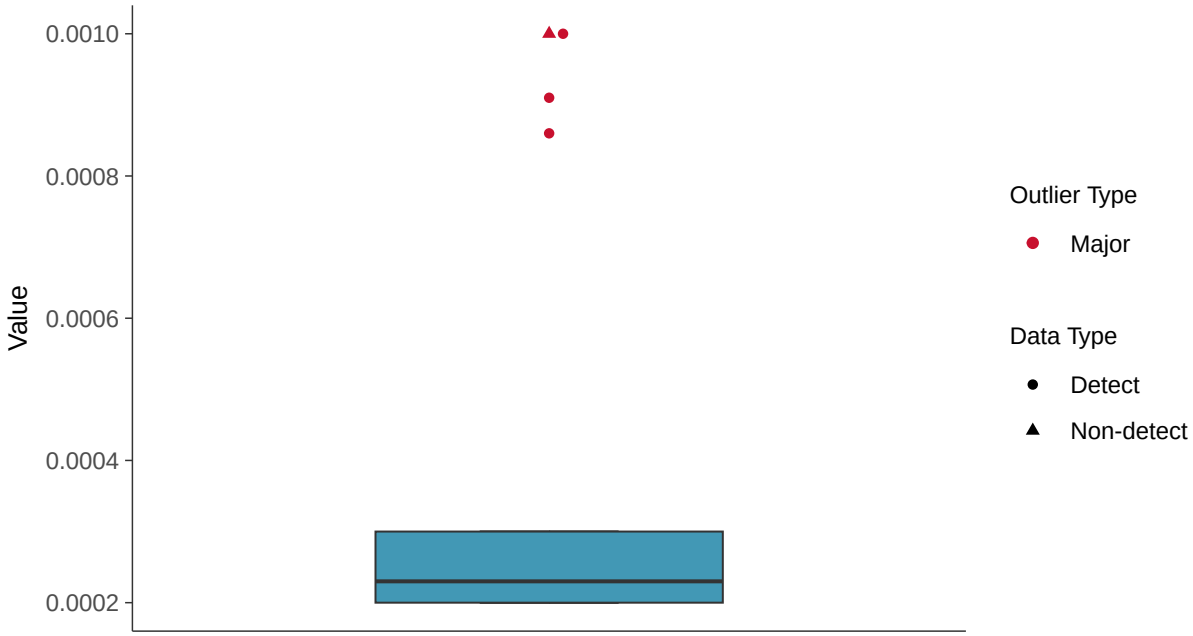
ID: 13_2_5_111





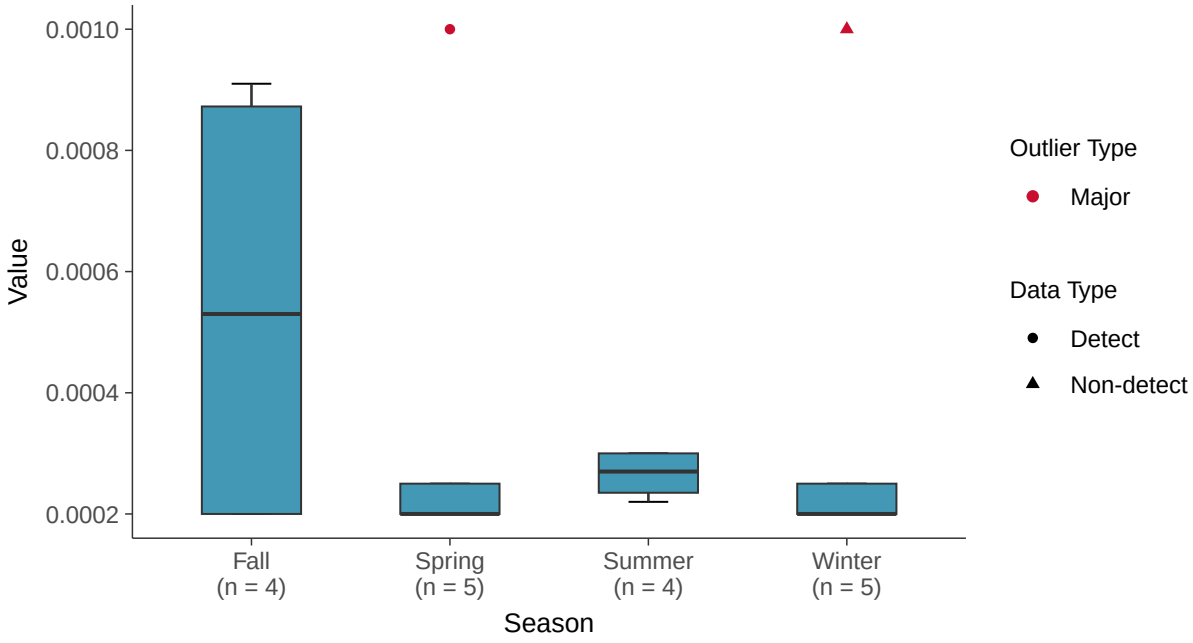
Boxplot

Copper, MW-03 (mg/L)



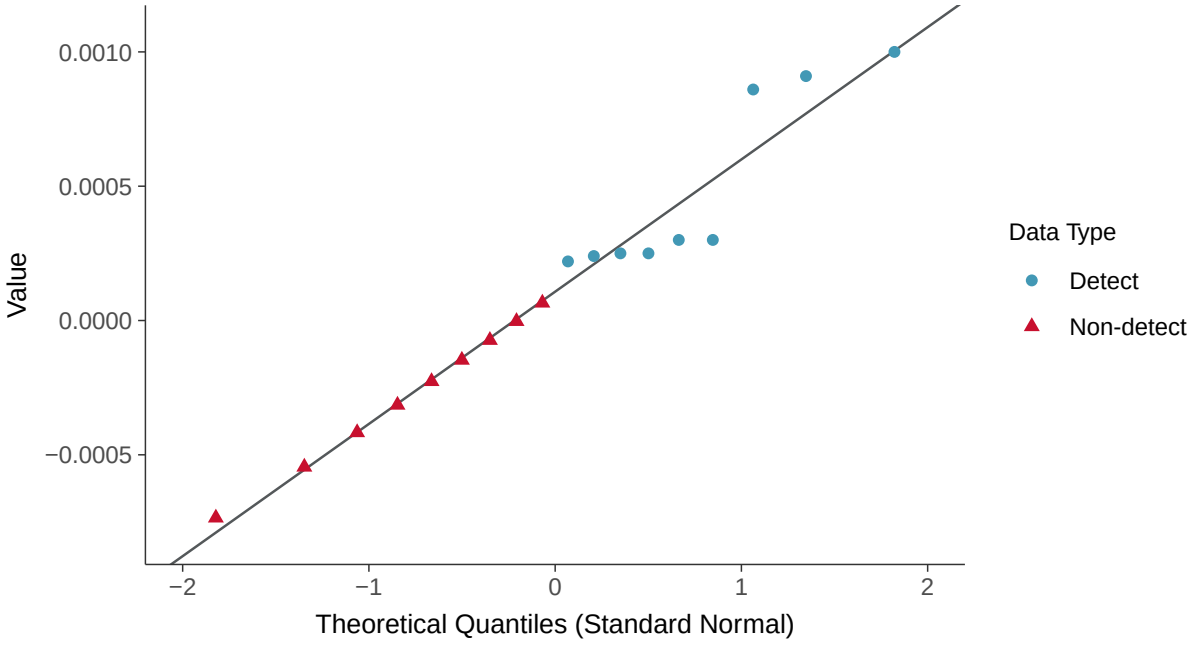
Boxplot by Season

Copper, MW-03 (mg/L)



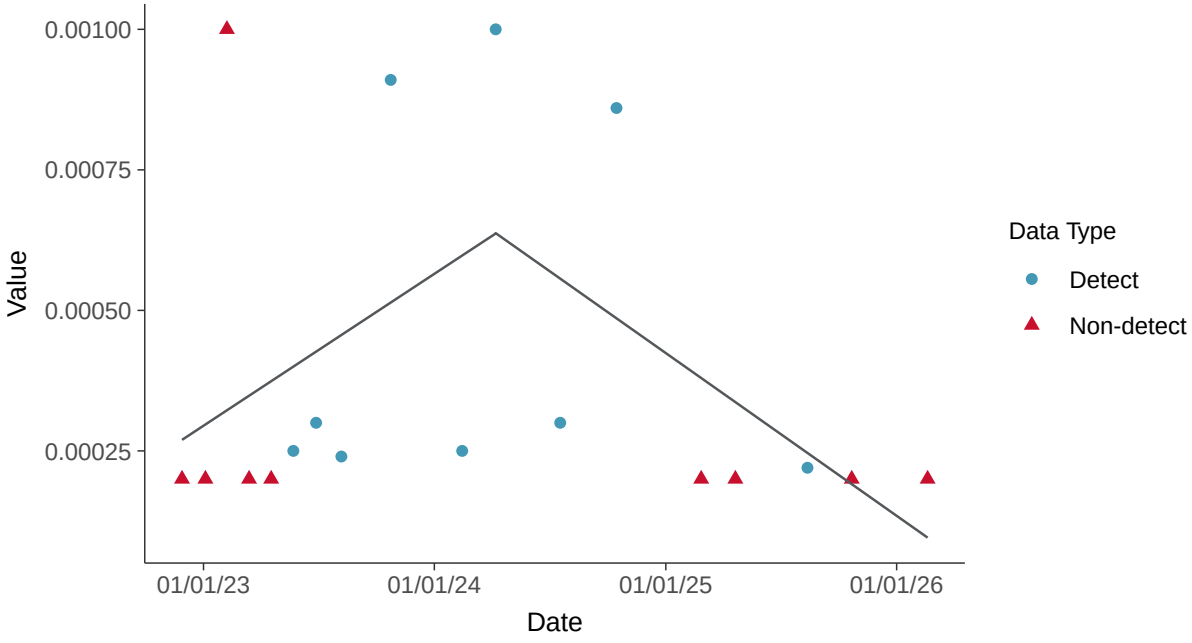
Normal Q-Q plot using ROS Imputed Estimates

Copper, MW-03 (mg/L)



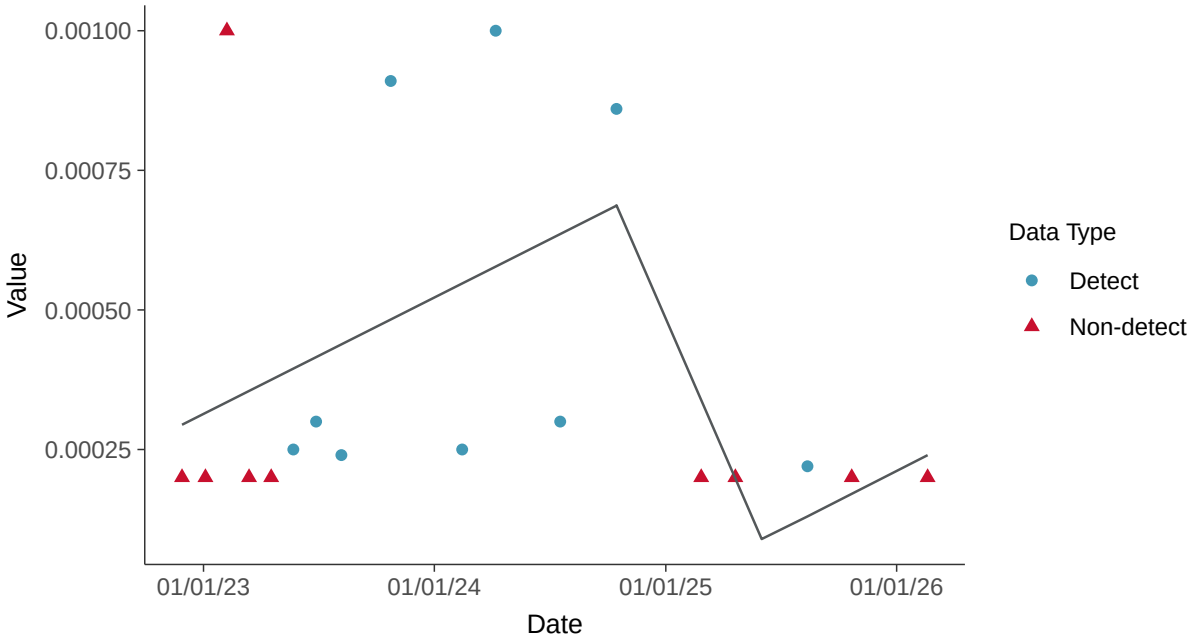
Trend Regression: Piecewise Linear-Linear

Copper, MW-03 (mg/L)



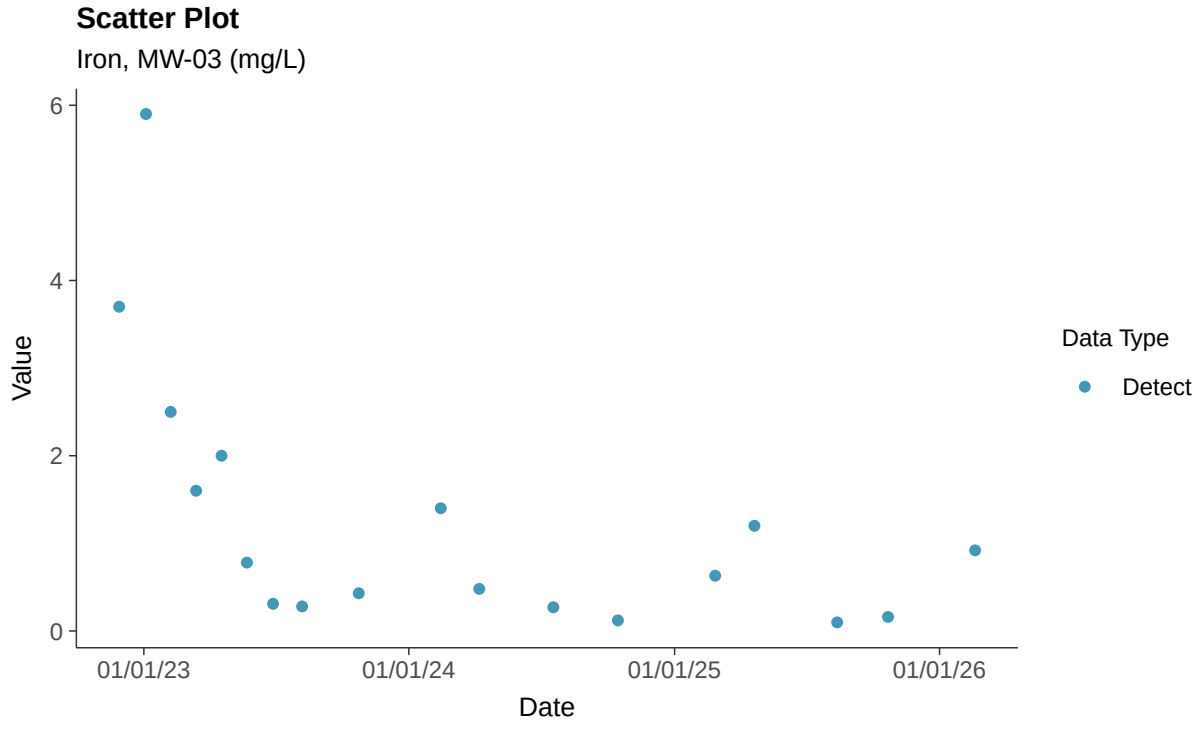
Trend Regression: Piecewise Linear-Linear-Linear

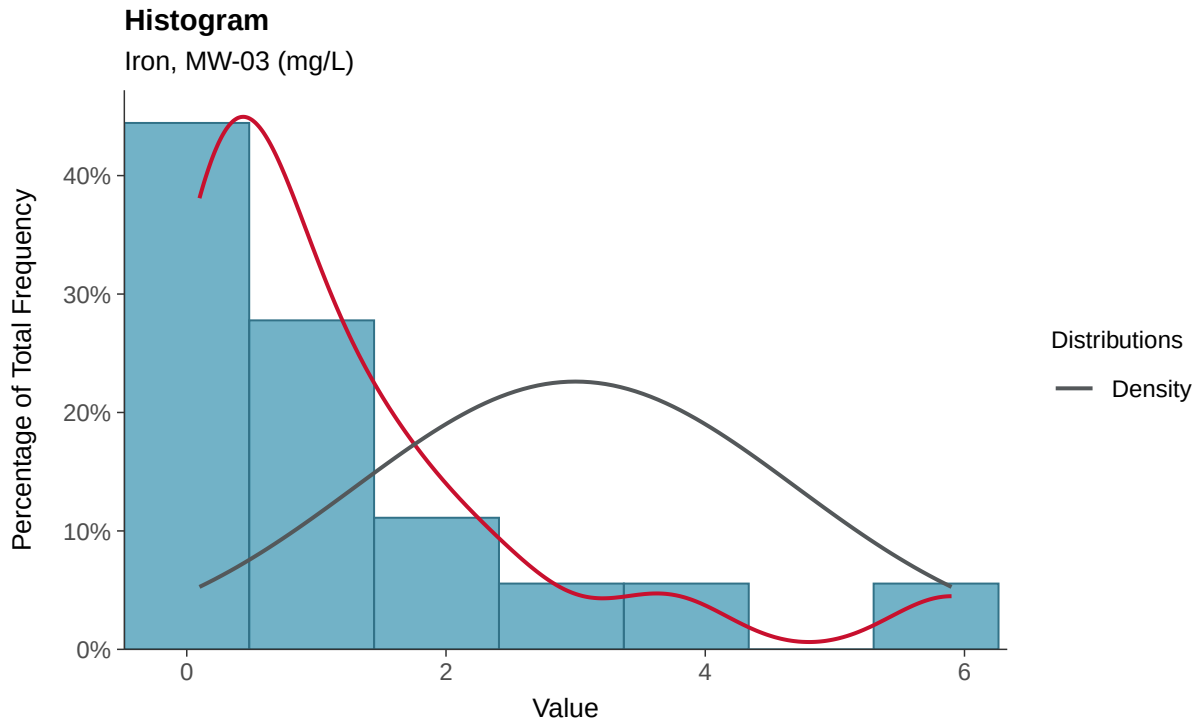
Copper, MW-03 (mg/L)



Part 115: Iron, MW-03

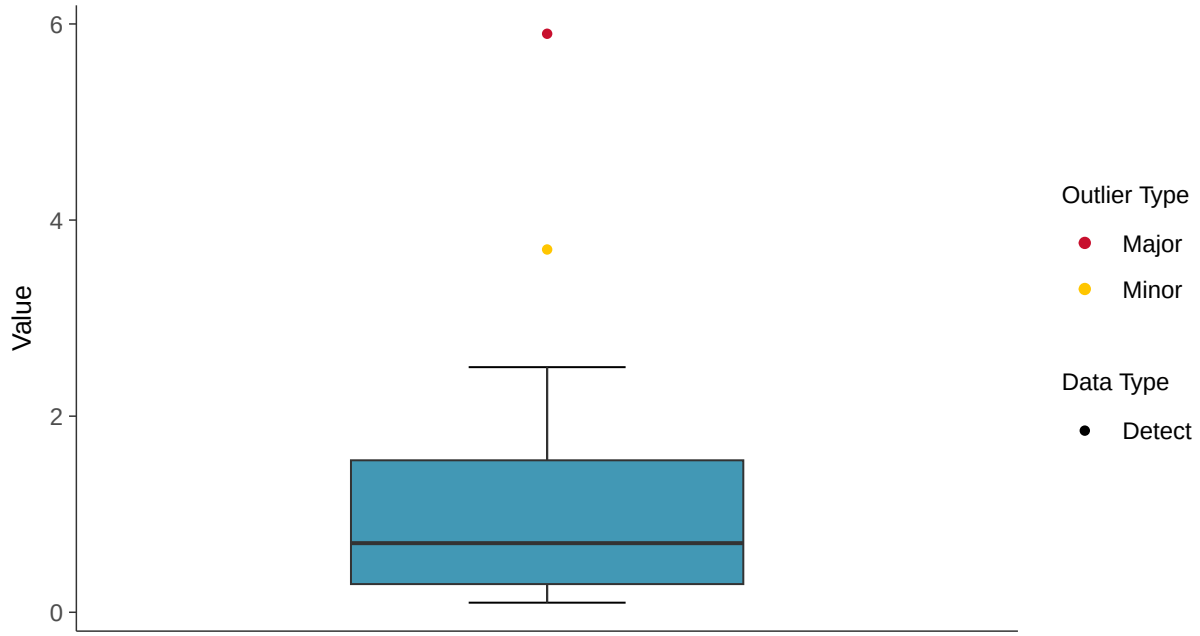
ID: 13_2_5_114





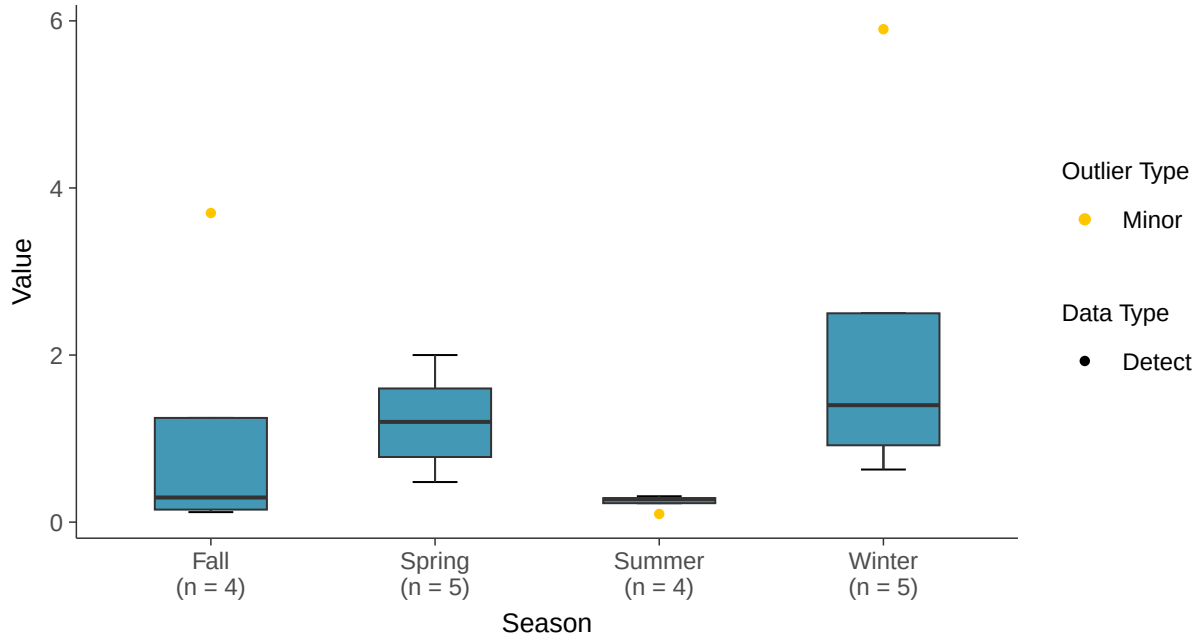
Boxplot

Iron, MW-03 (mg/L)



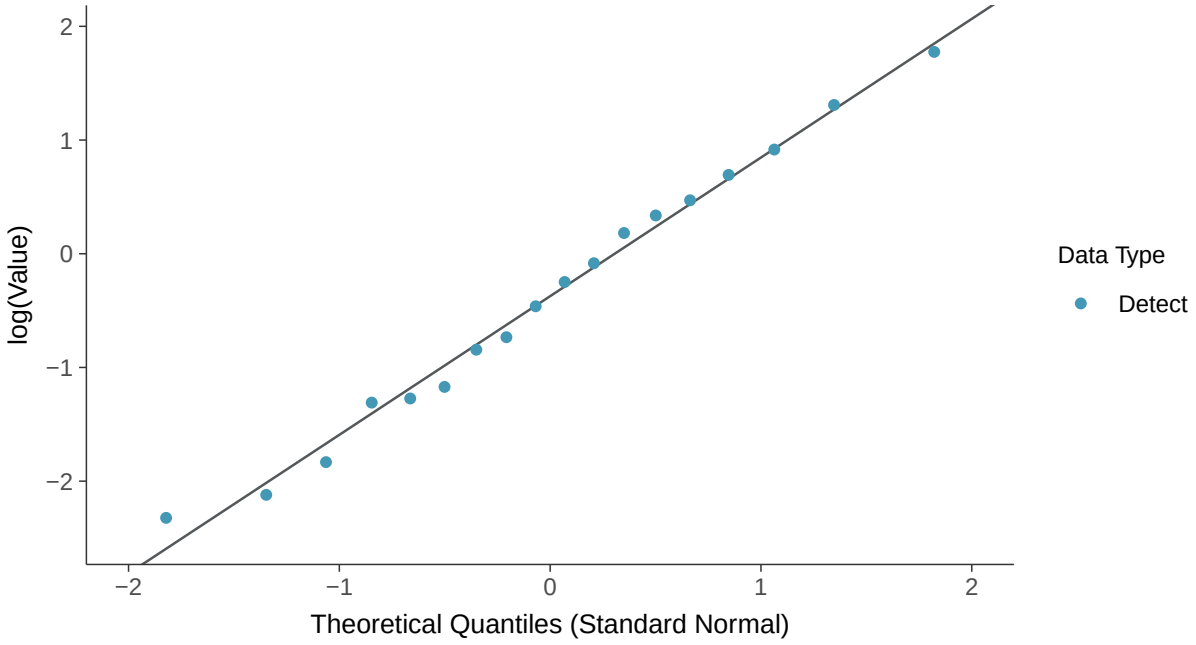
Boxplot by Season

Iron, MW-03 (mg/L)



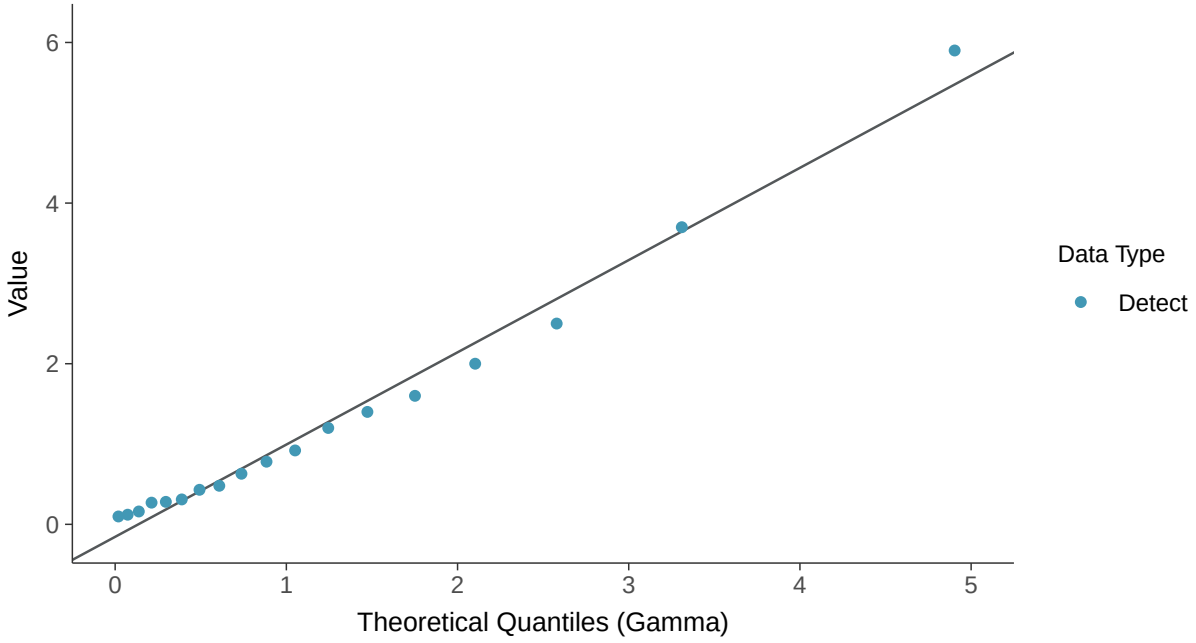
Lognormal Q-Q plot

Iron, MW-03 (mg/L)



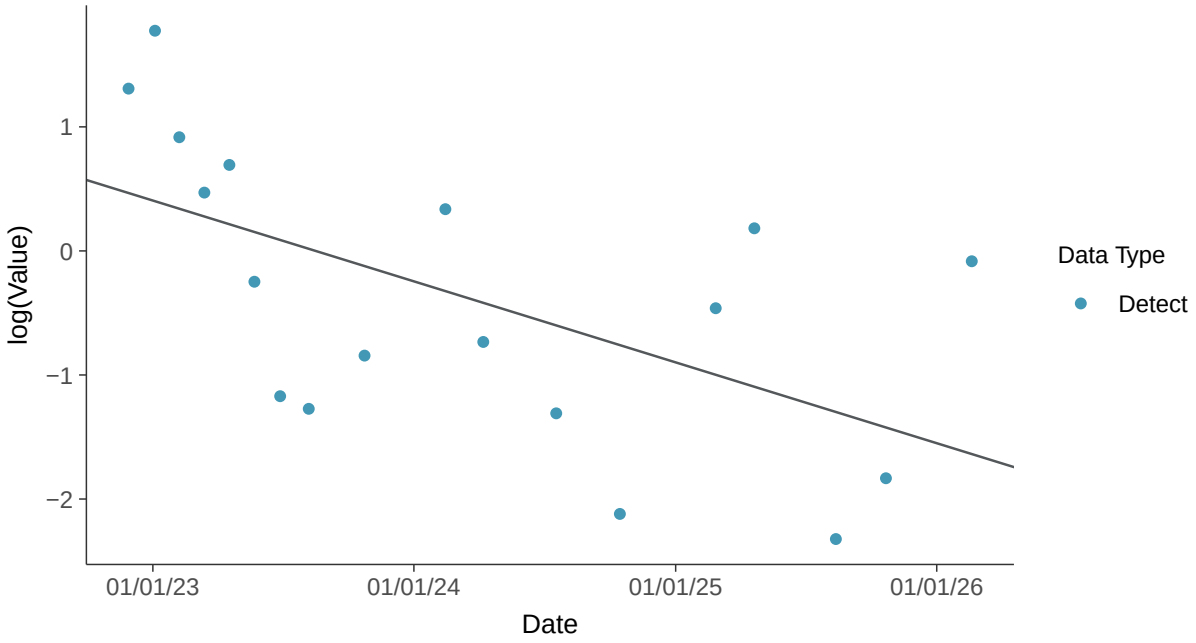
Gamma Q-Q plot

Iron, MW-03 (mg/L)



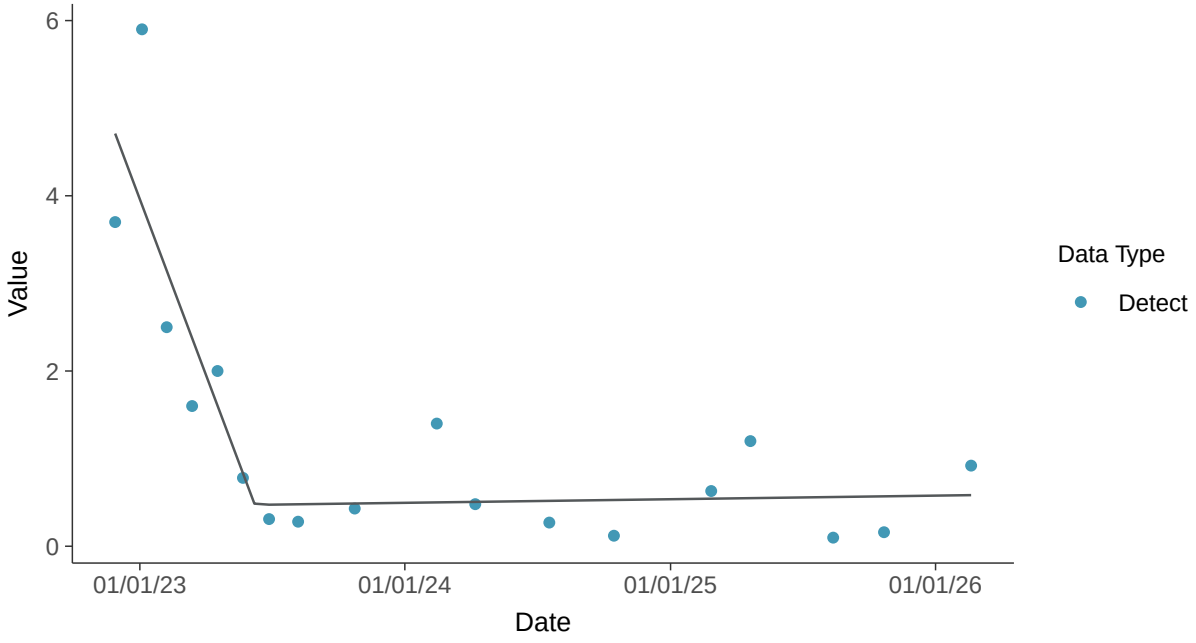
Trend Regression: Lognormal MLE

Iron, MW-03 (mg/L)



Trend Regression: Piecewise Linear-Linear

Iron, MW-03 (mg/L)

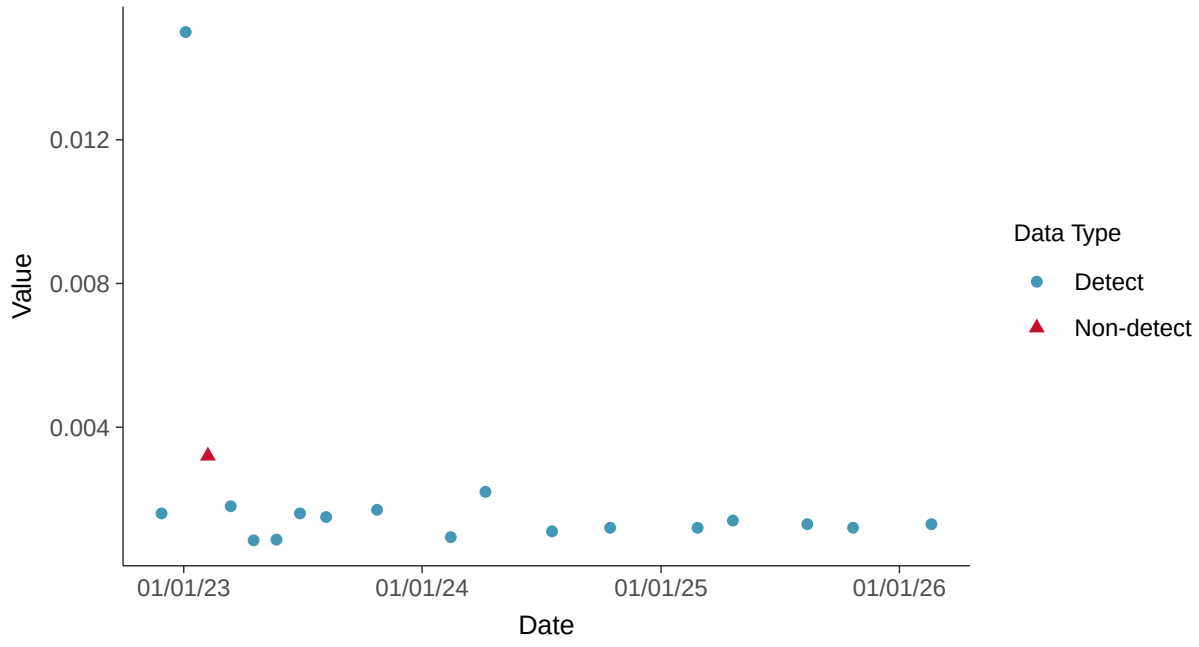


Part 115: Nickel, MW-03

ID: 13_2_5_119

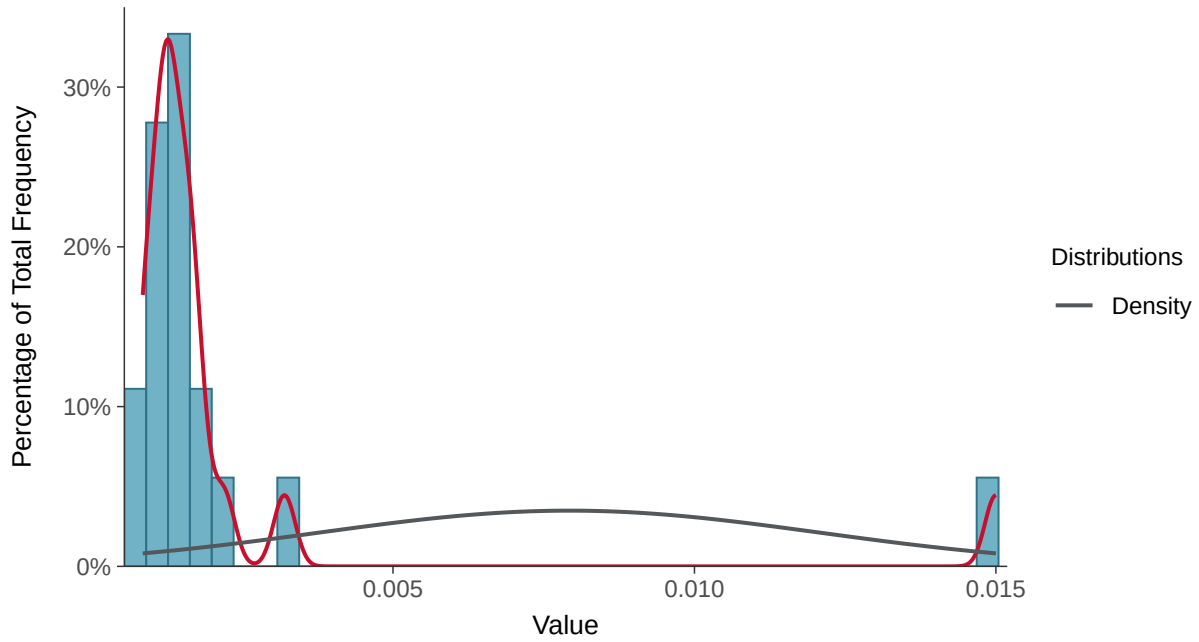
Scatter Plot

Nickel, MW-03 (mg/L)



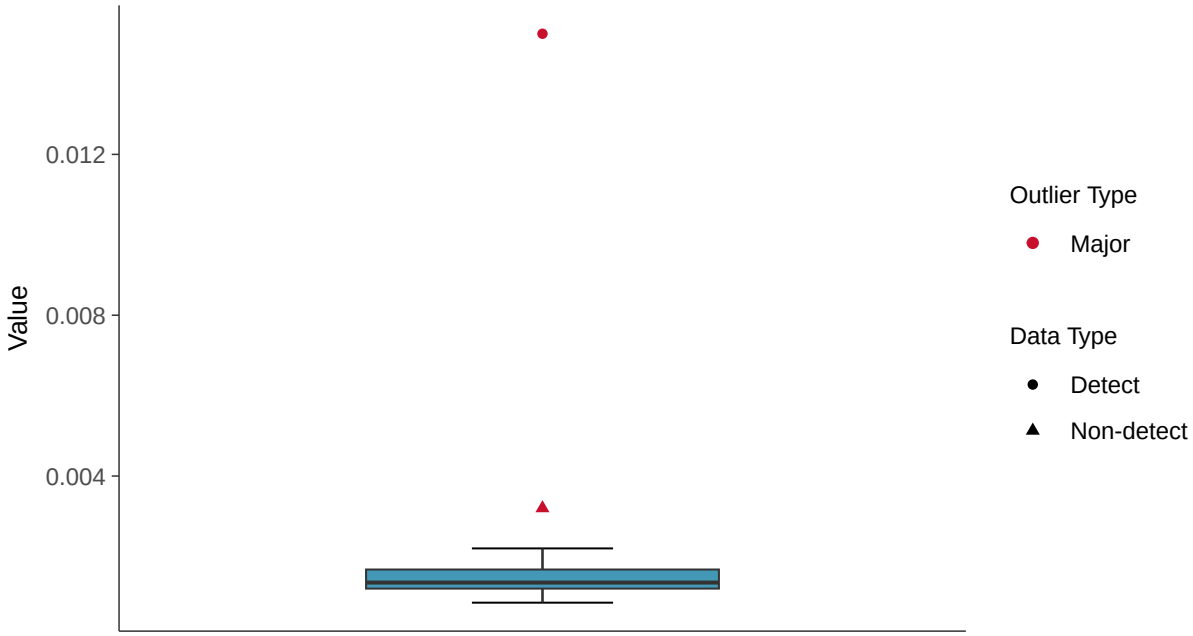
Histogram

Nickel, MW-03 (mg/L)



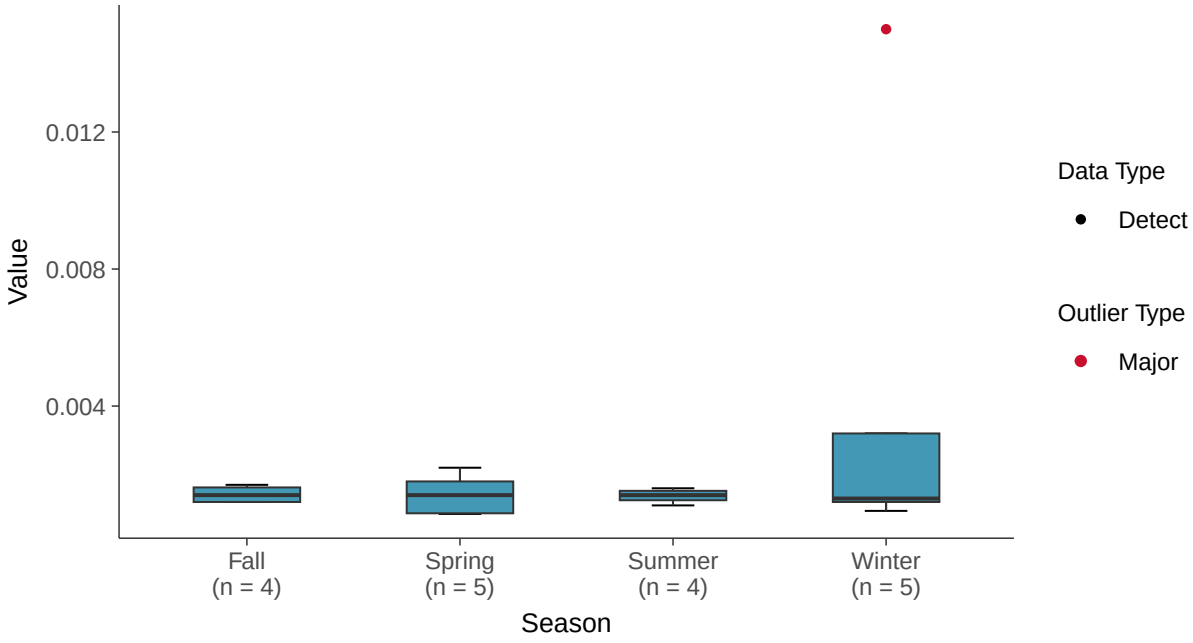
Boxplot

Nickel, MW-03 (mg/L)



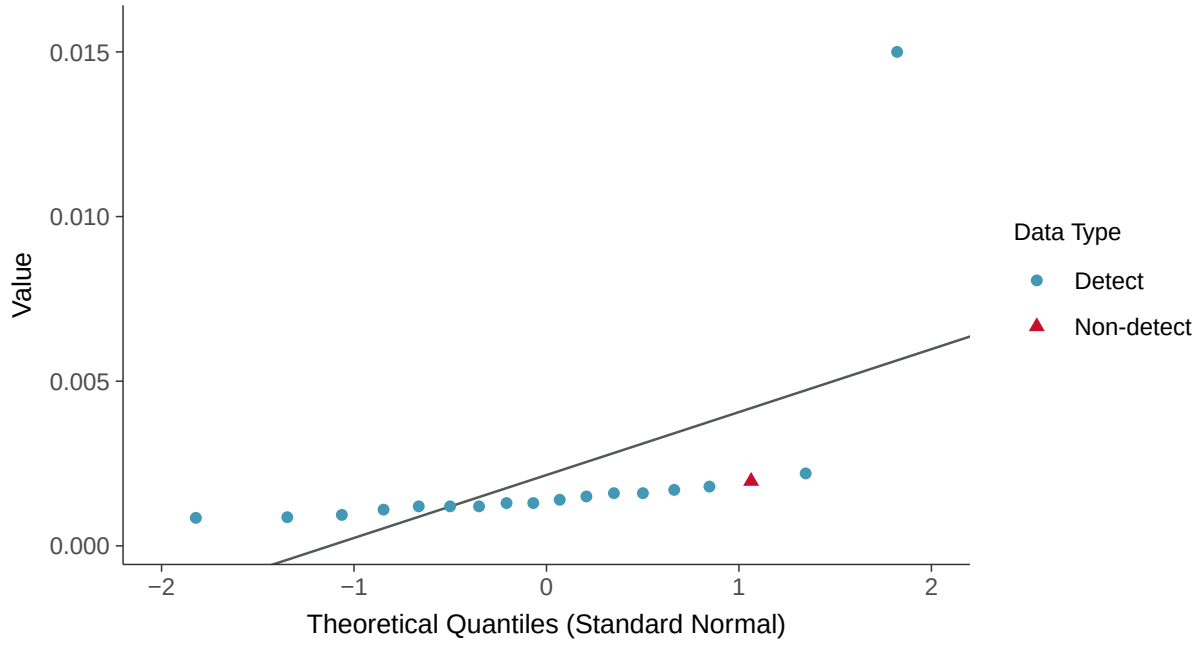
Boxplot by Season

Nickel, MW-03 (mg/L)



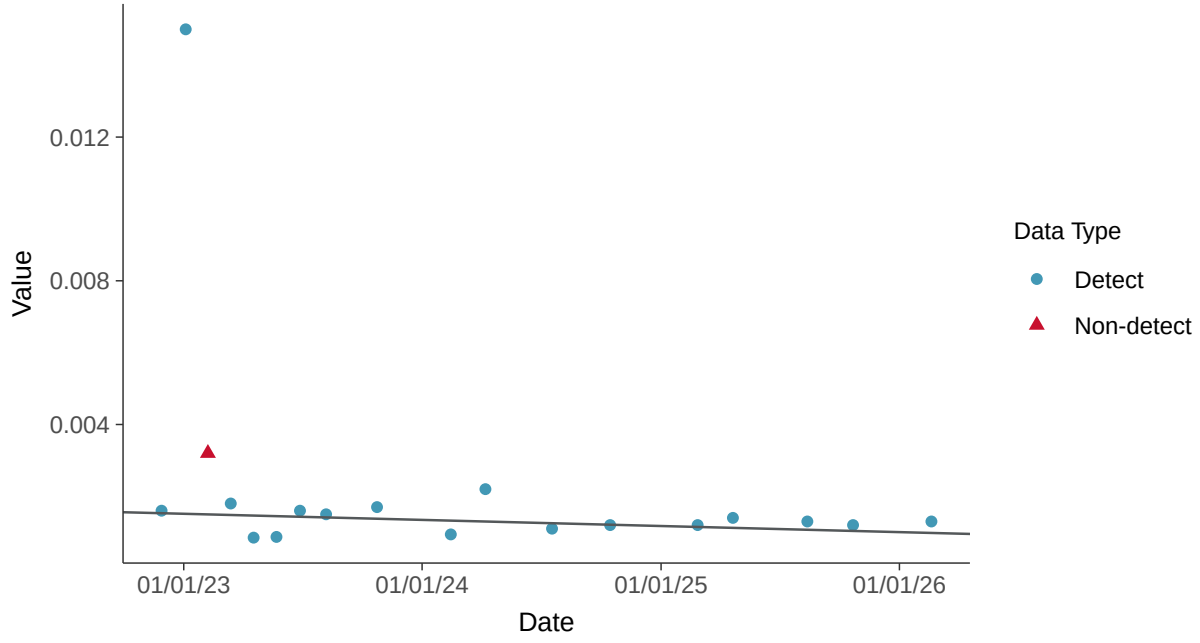
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-03 (mg/L)



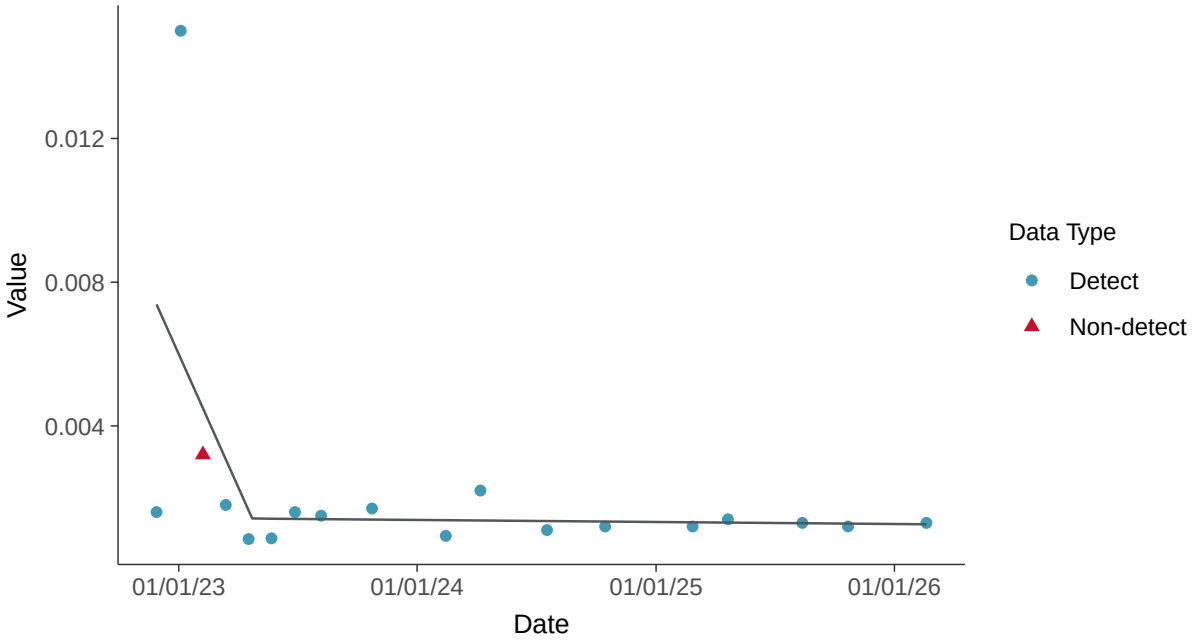
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Nickel, MW-03 (mg/L)



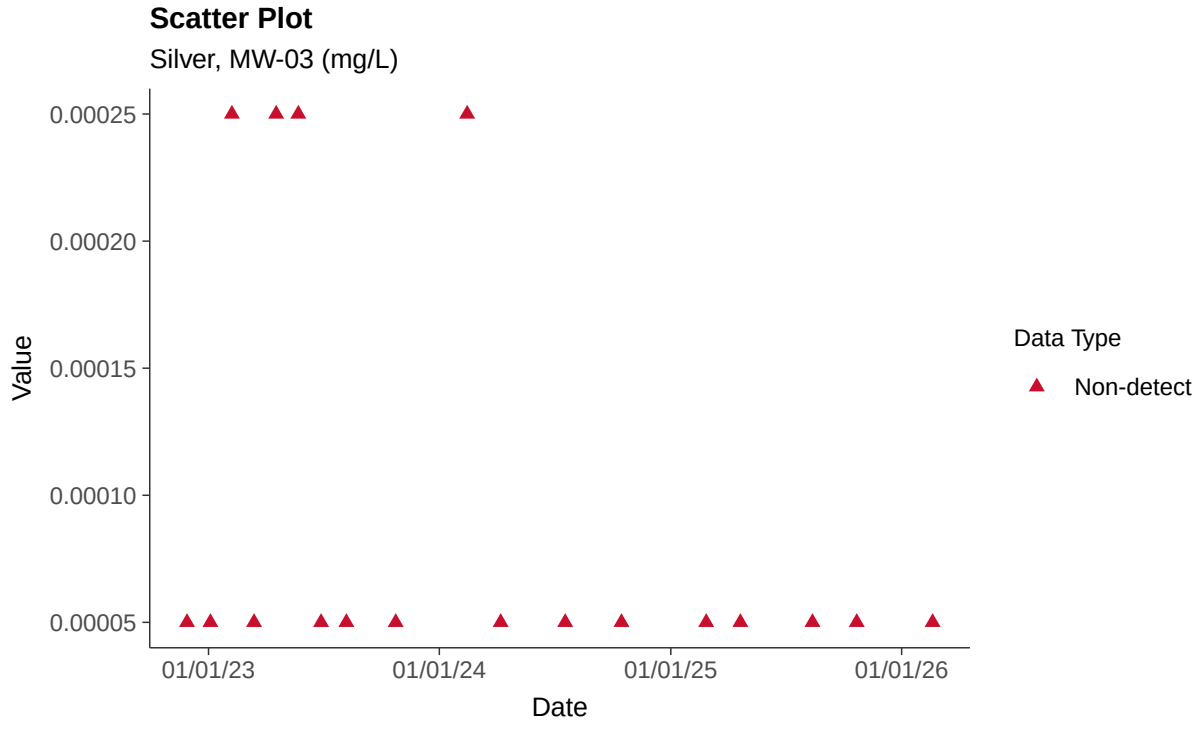
Trend Regression: Piecewise Linear-Linear

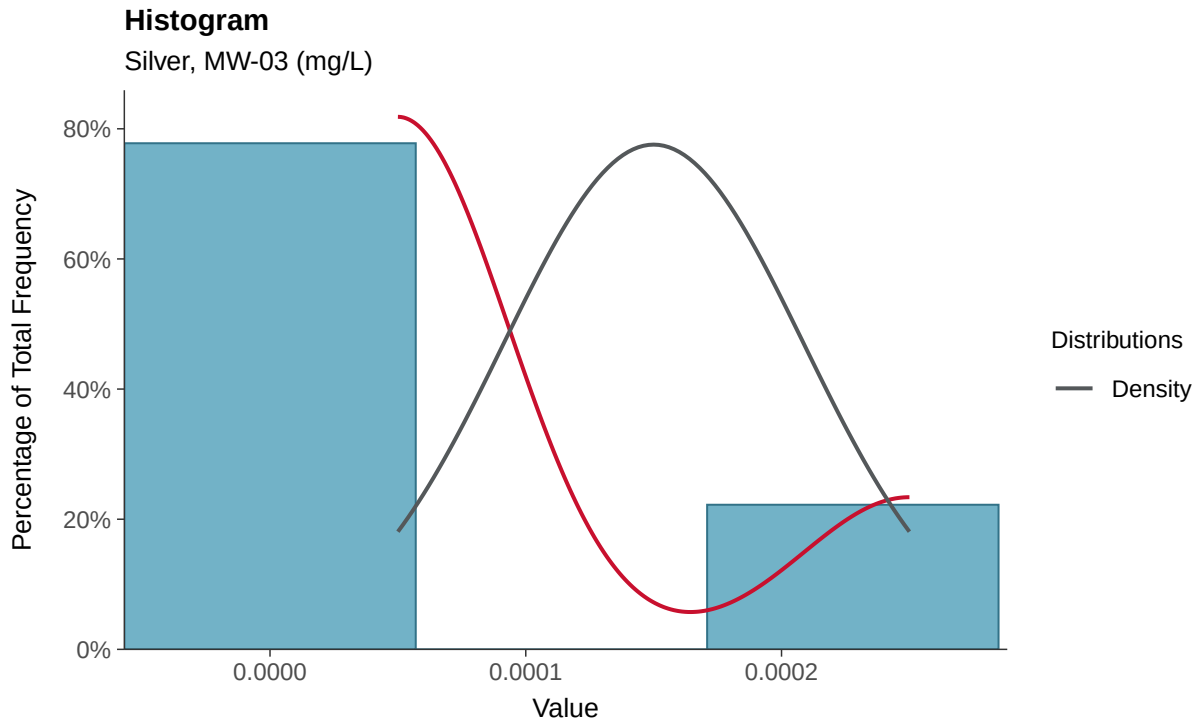
Nickel, MW-03 (mg/L)



Part 115: Silver, MW-03

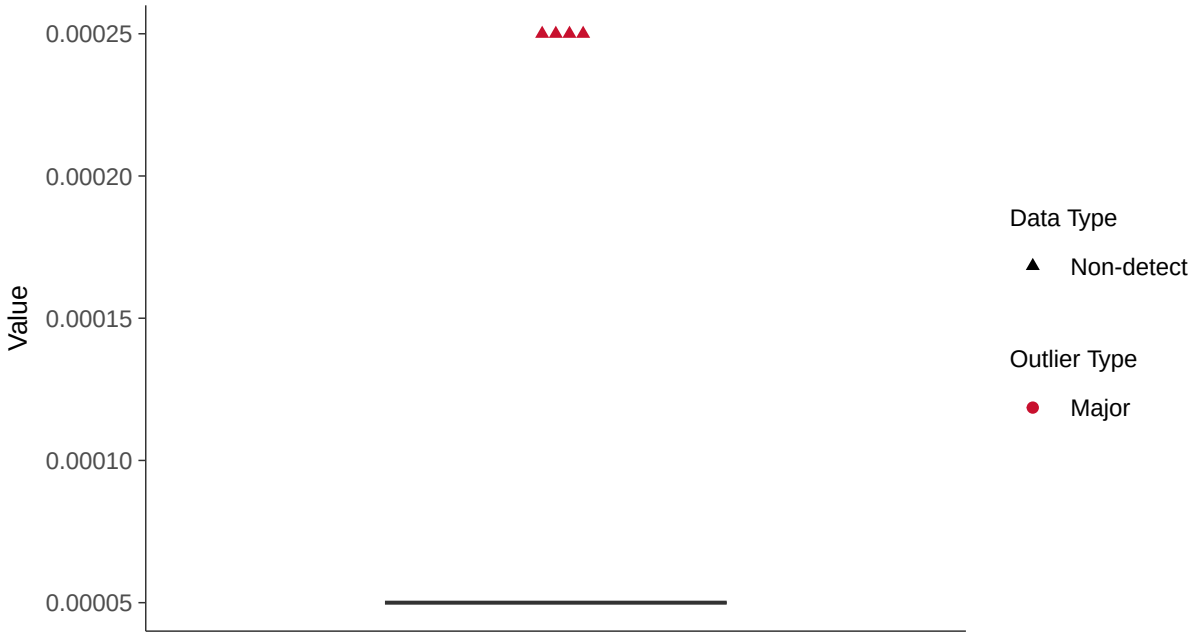
ID: 13_2_5_123





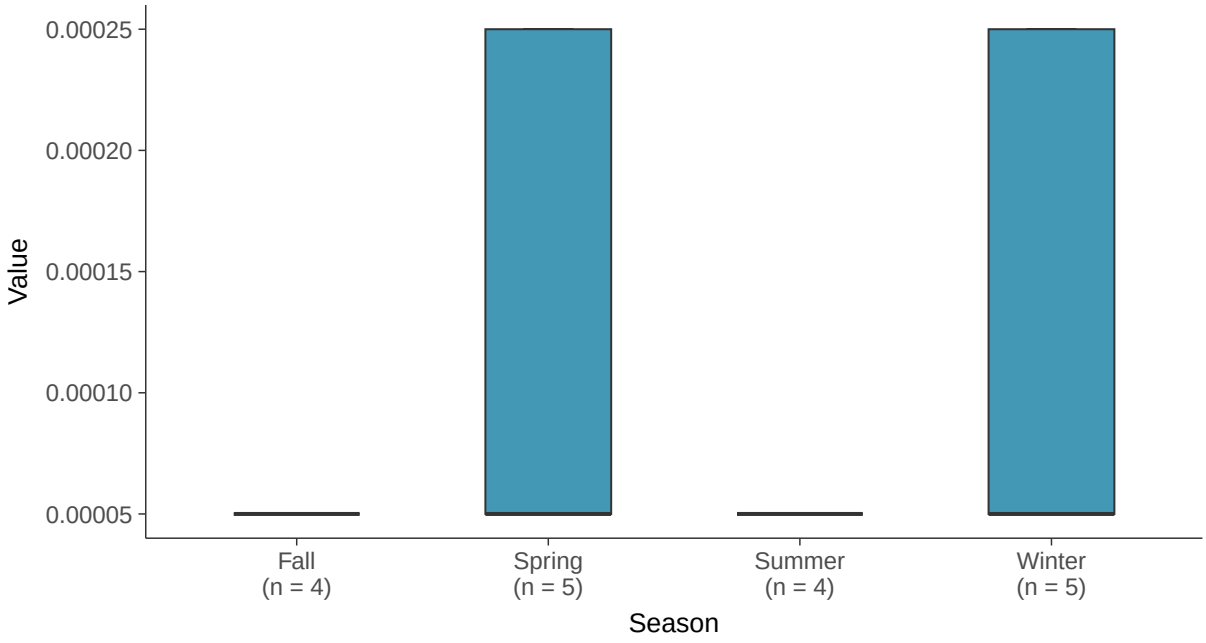
Boxplot

Silver, MW-03 (mg/L)



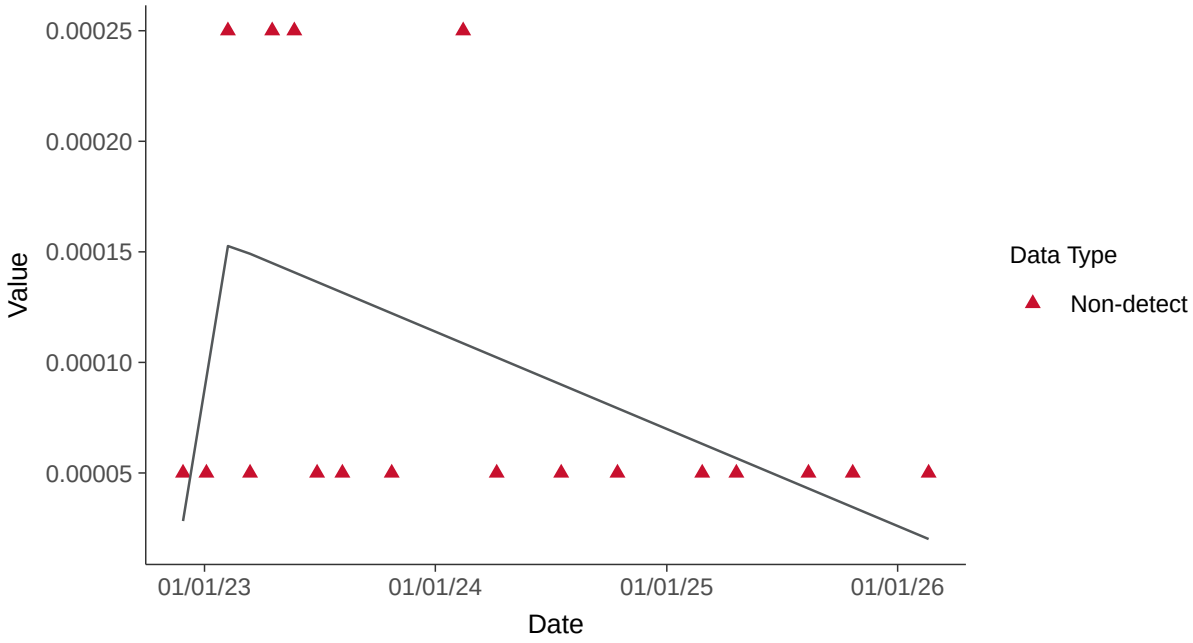
Boxplot by Season

Silver, MW-03 (mg/L)



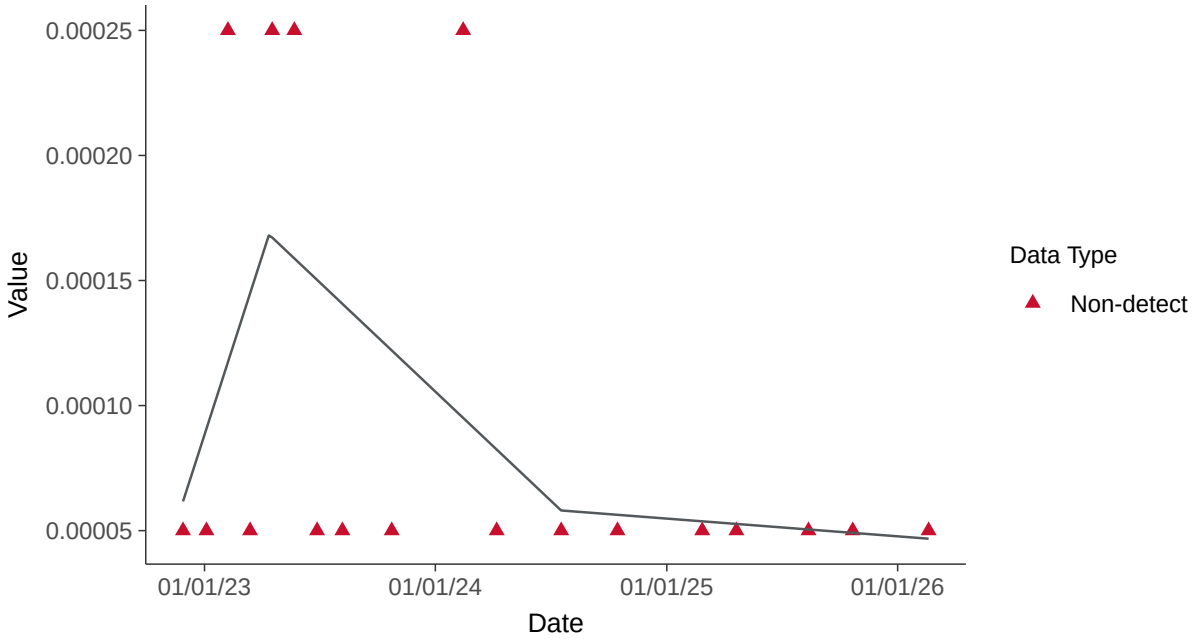
Trend Regression: Piecewise Linear-Linear

Silver, MW-03 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Silver, MW-03 (mg/L)

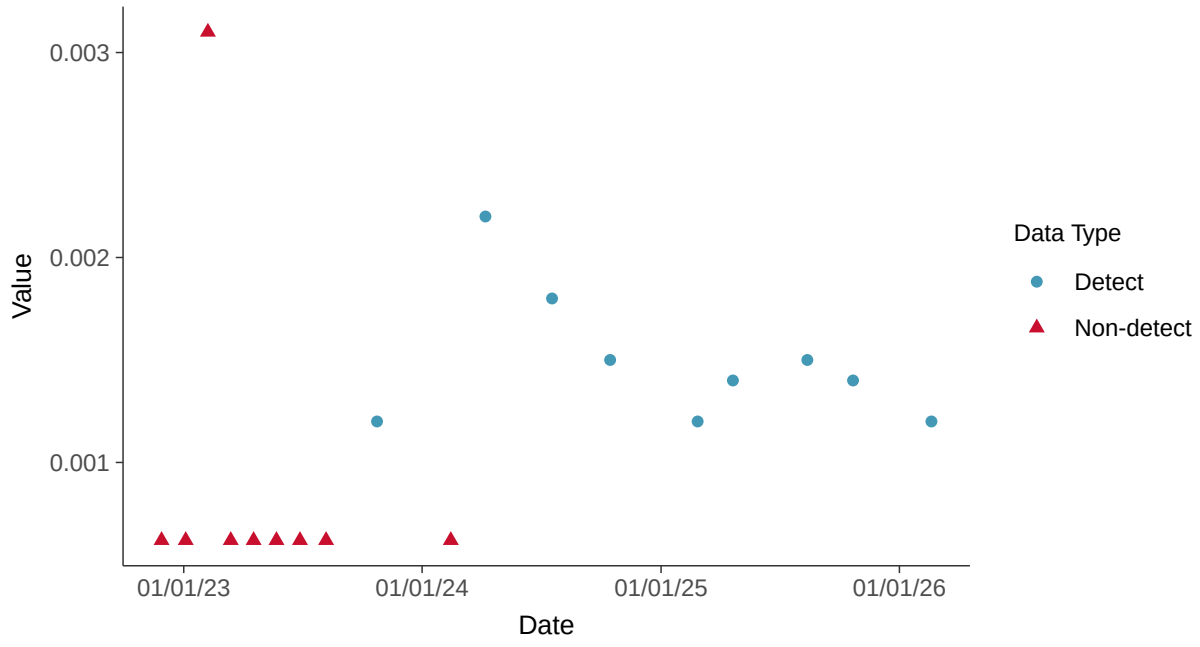


Part 115: Vanadium, MW-03

ID: 13_2_5_128

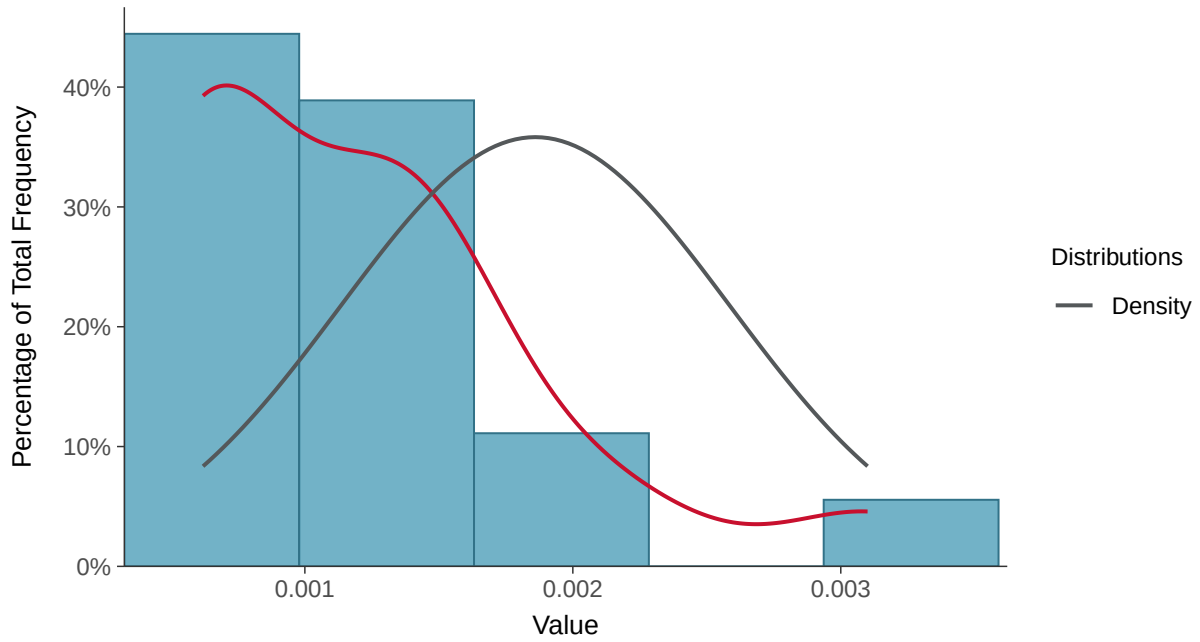
Scatter Plot

Vanadium, MW-03 (mg/L)



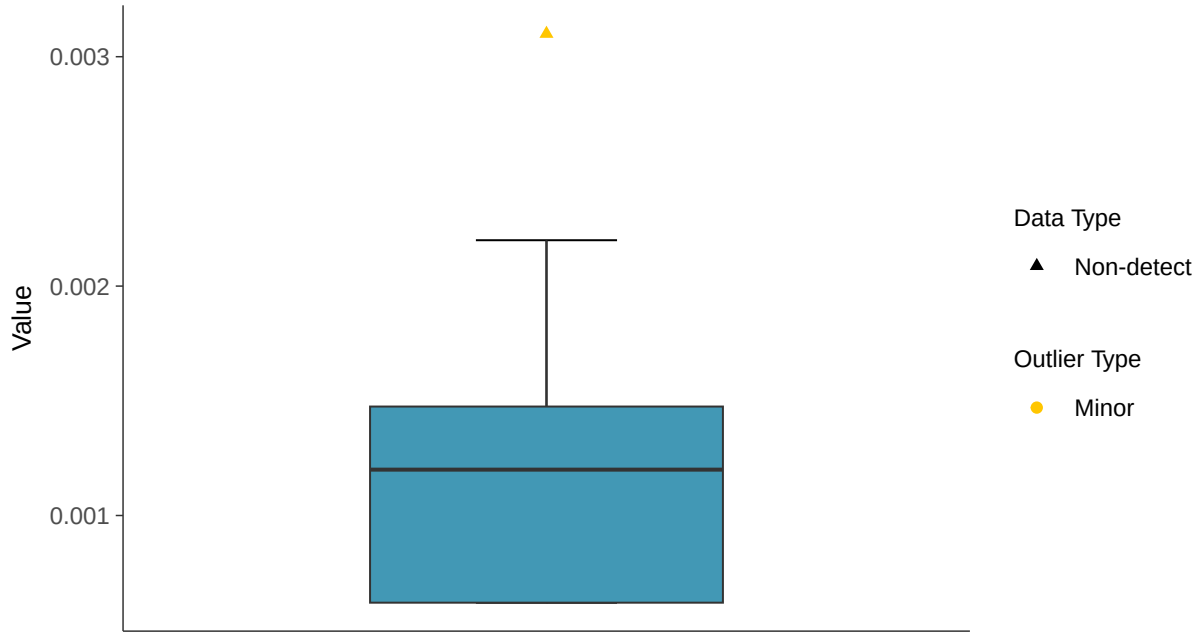
Histogram

Vanadium, MW-03 (mg/L)



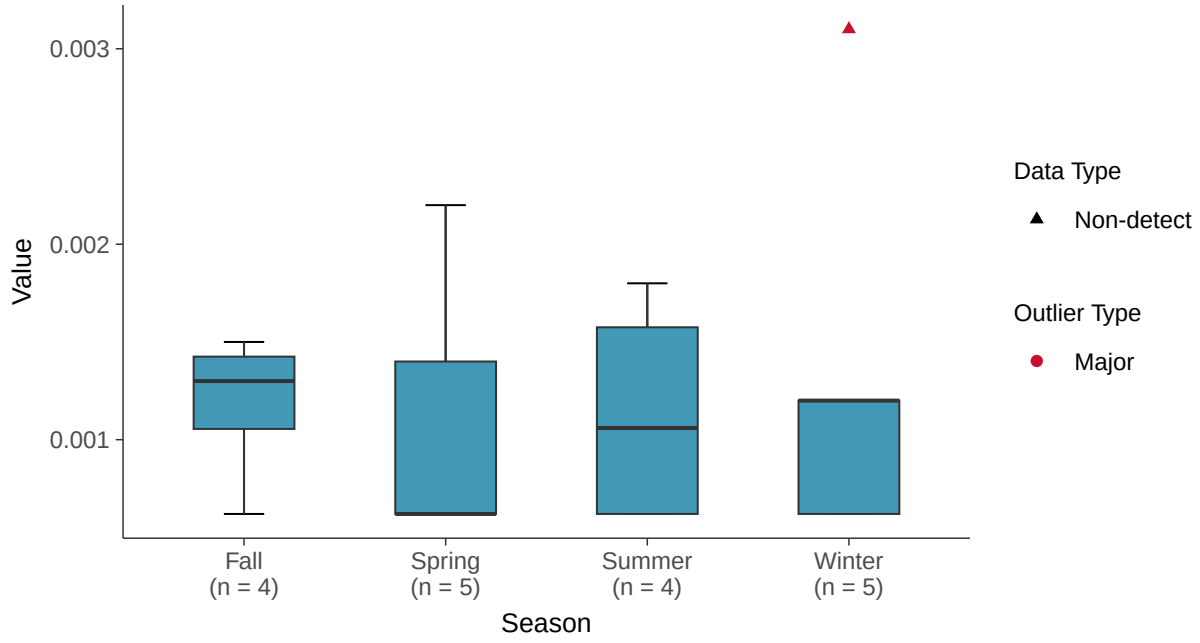
Boxplot

Vanadium, MW-03 (mg/L)



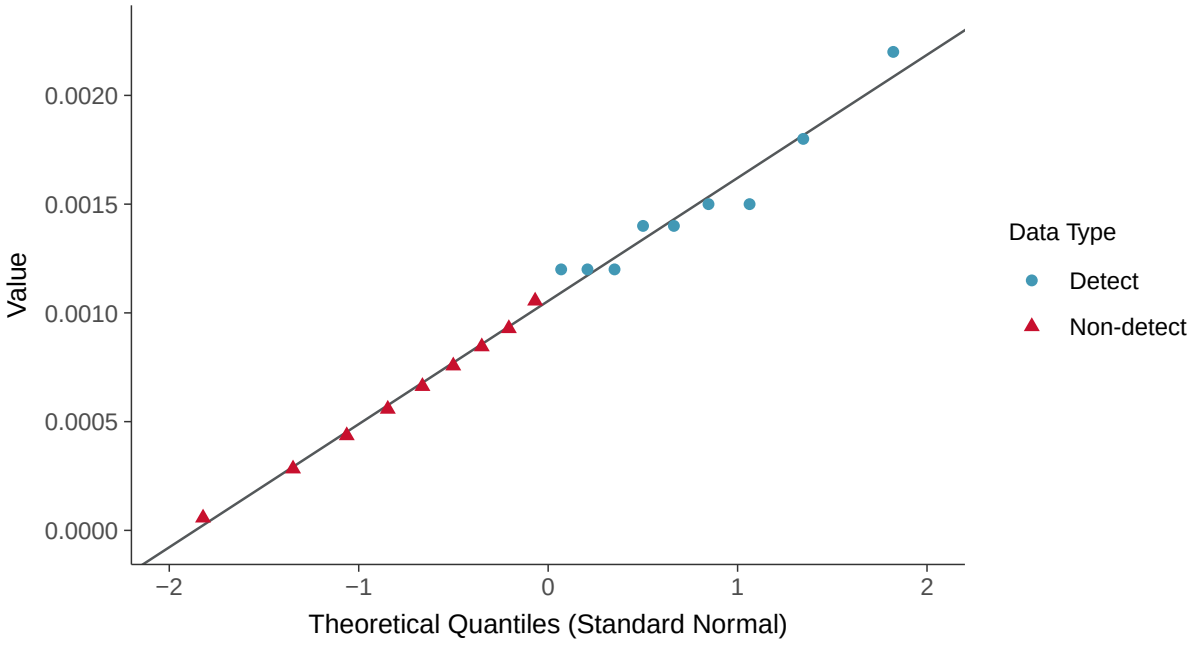
Boxplot by Season

Vanadium, MW-03 (mg/L)



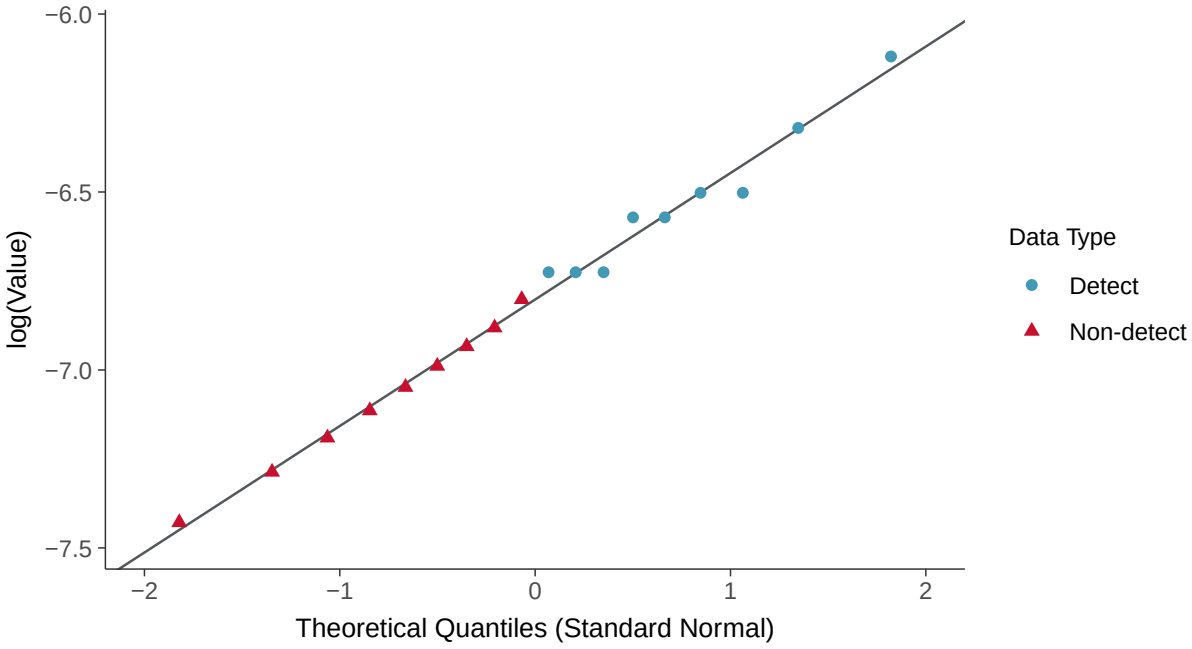
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-03 (mg/L)



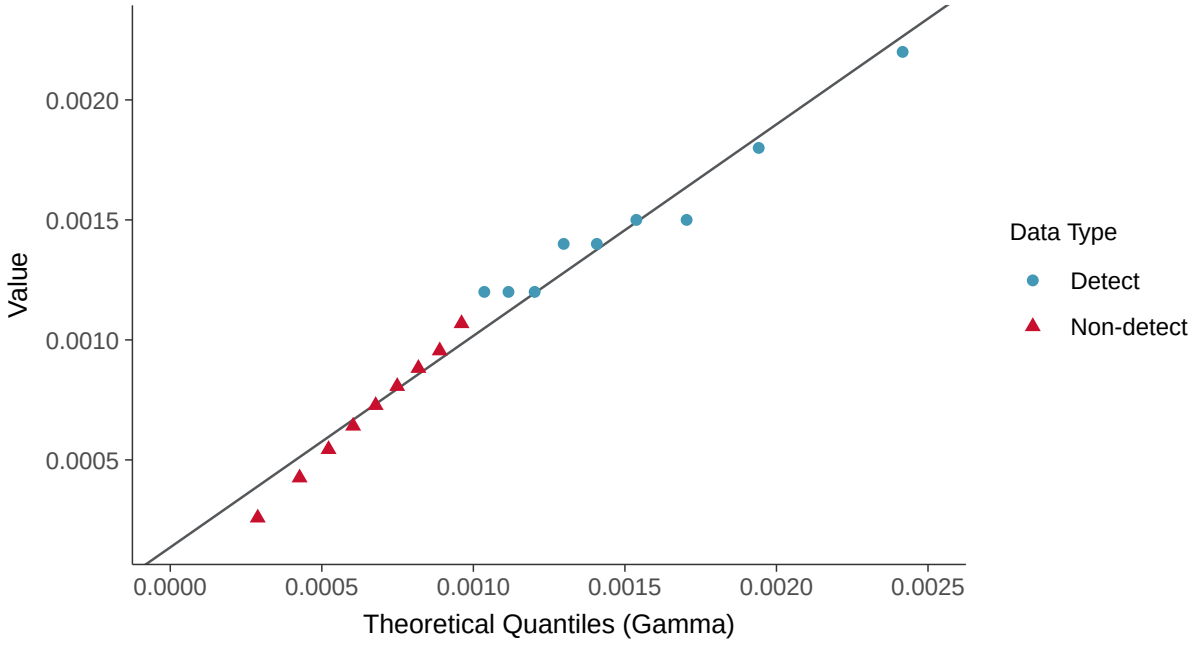
Lognormal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-03 (mg/L)



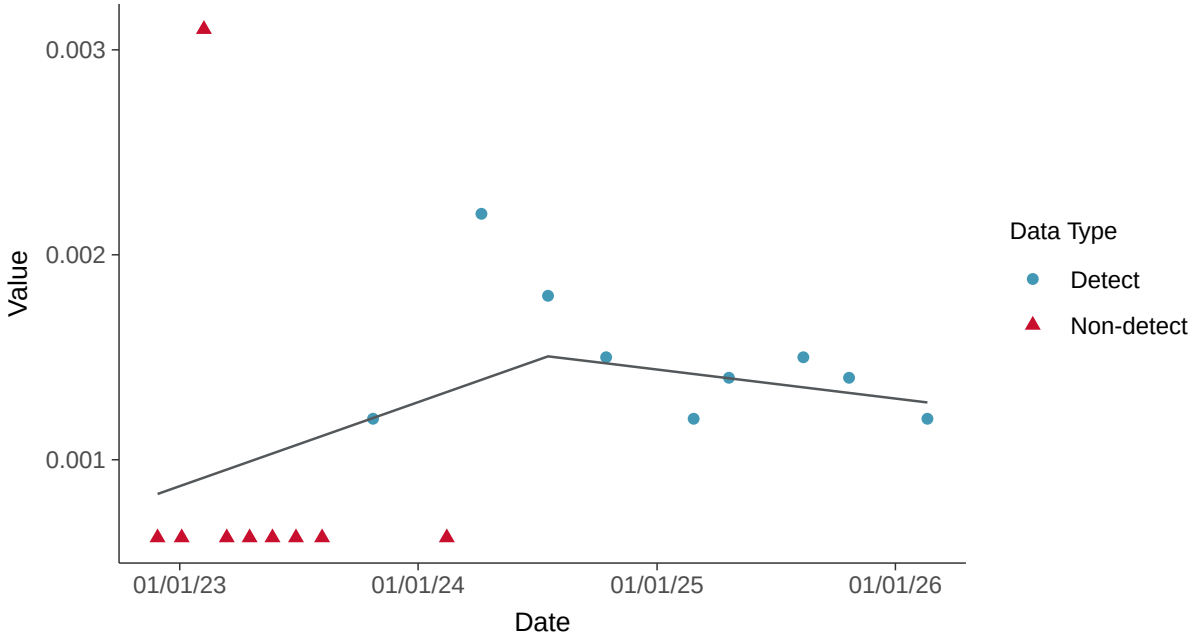
Gamma Q-Q plot using ROS Imputed Estimates

Vanadium, MW-03 (mg/L)



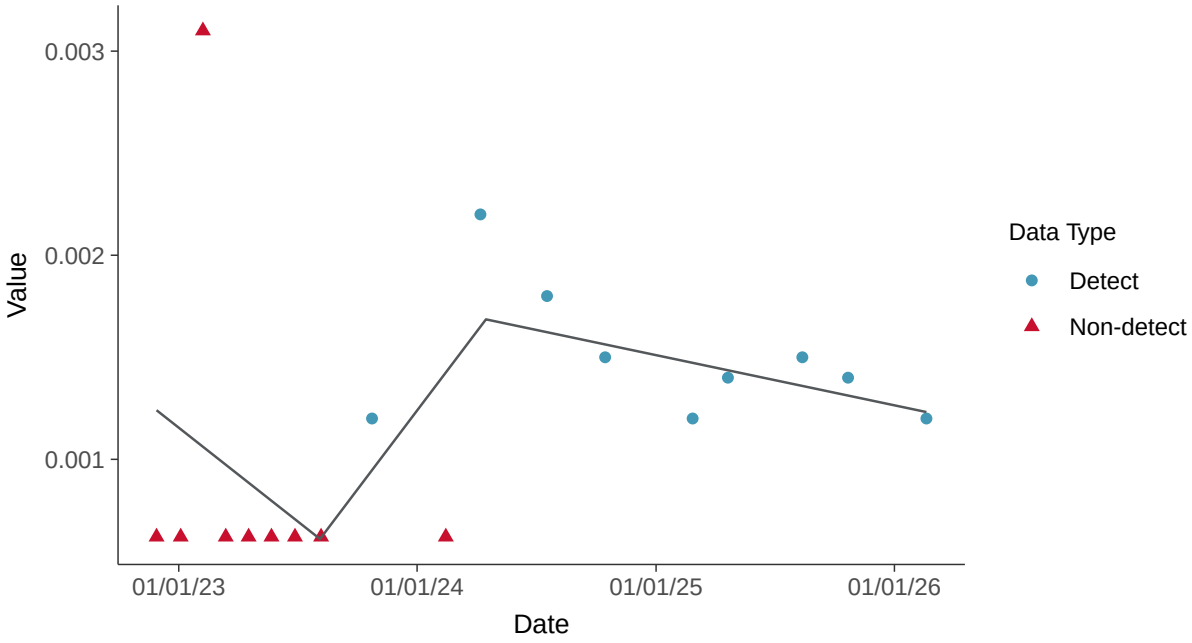
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-03 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Vanadium, MW-03 (mg/L)

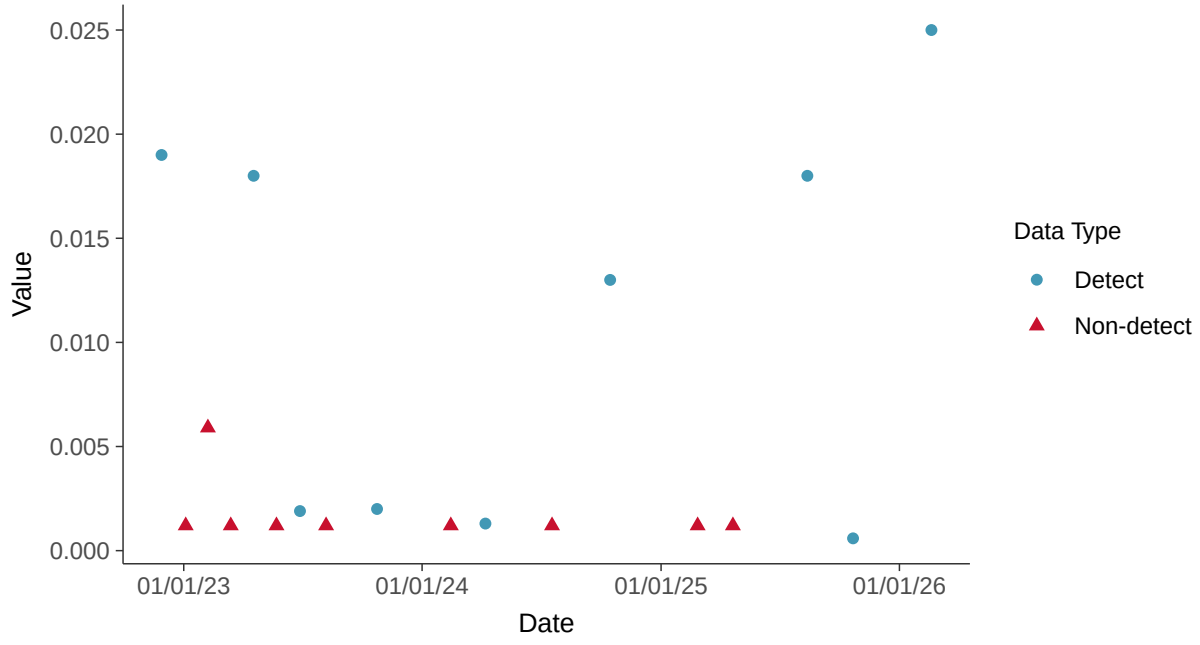


Part 115: Zinc, MW-03

ID: 13_2_5_129

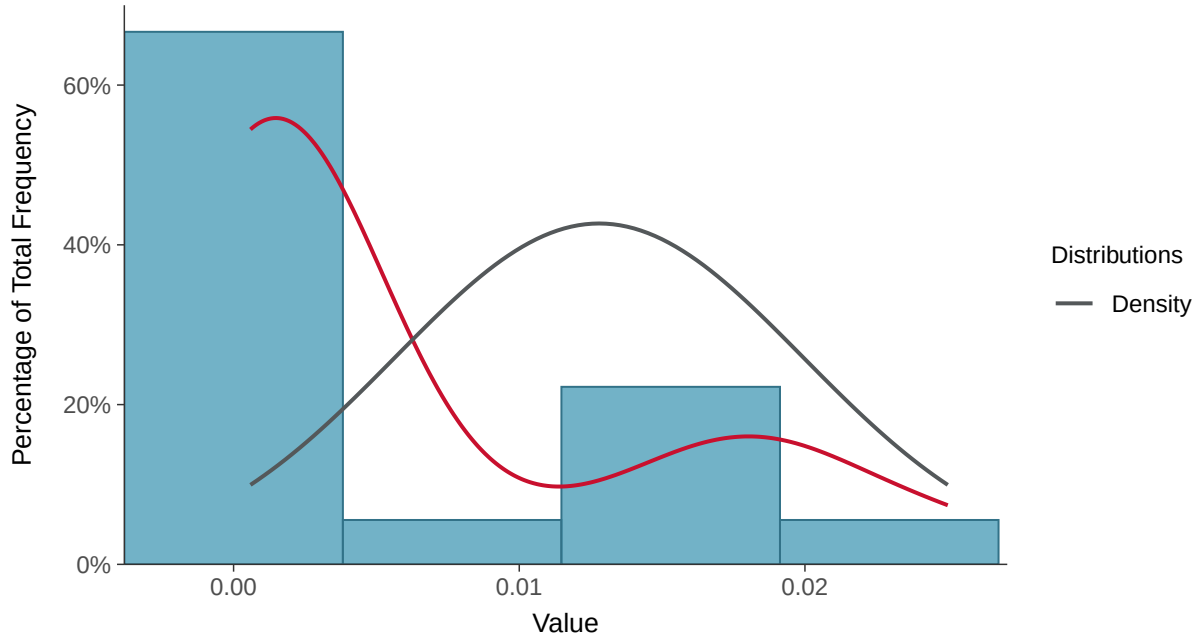
Scatter Plot

Zinc, MW-03 (mg/L)



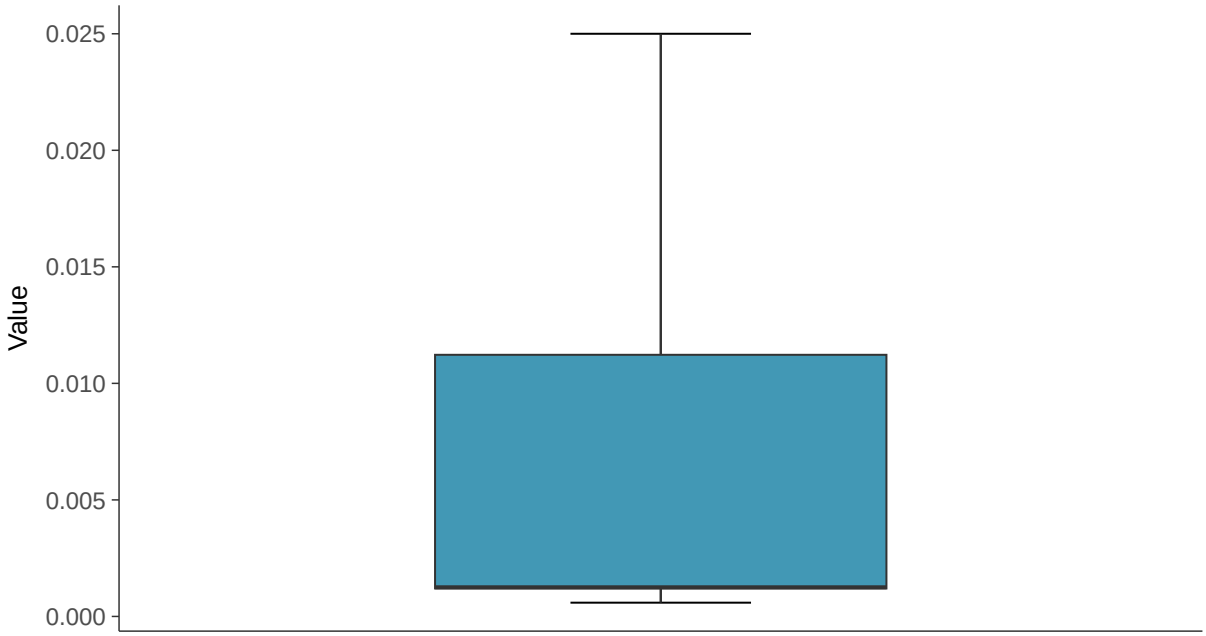
Histogram

Zinc, MW-03 (mg/L)



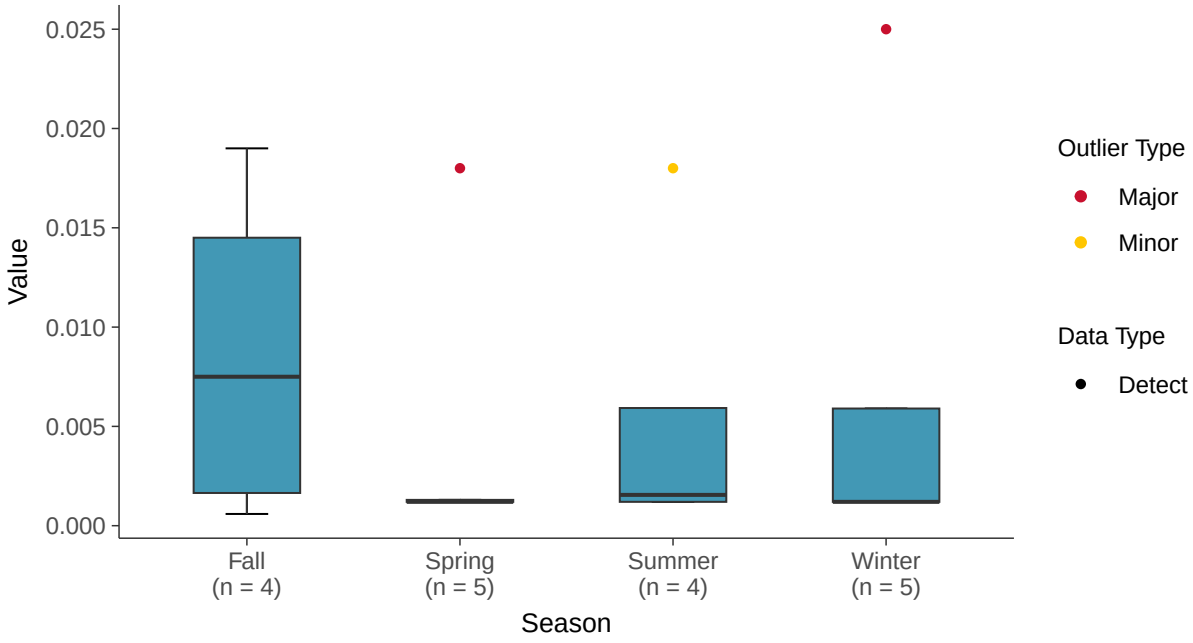
Boxplot

Zinc, MW-03 (mg/L)



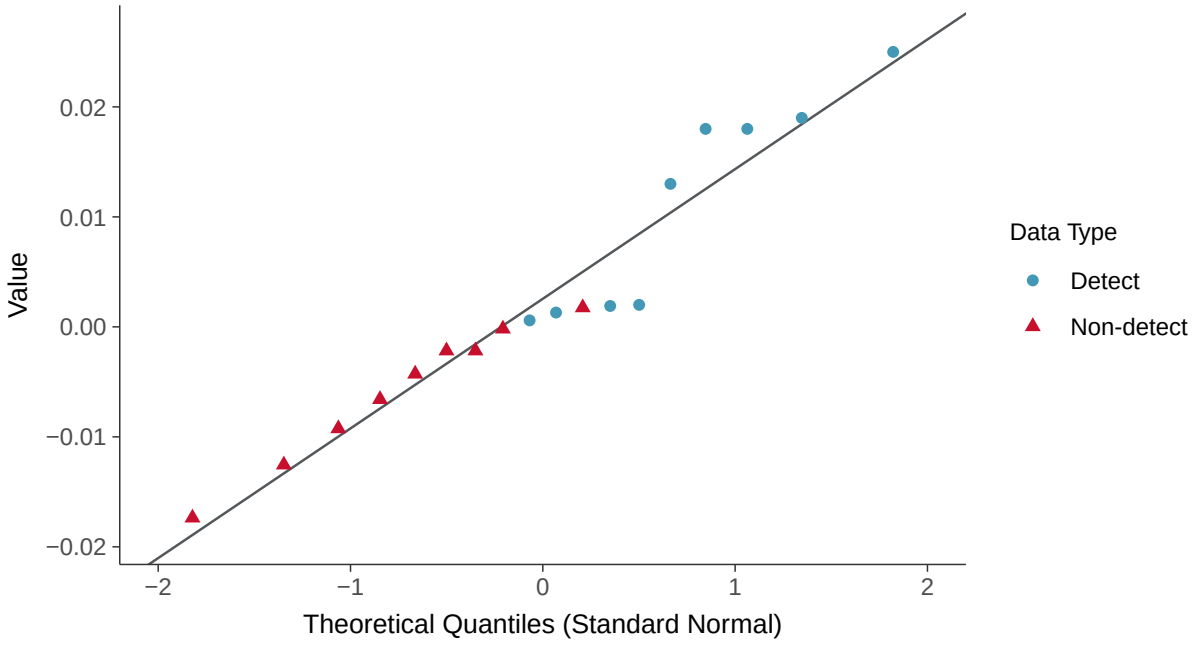
Boxplot by Season

Zinc, MW-03 (mg/L)



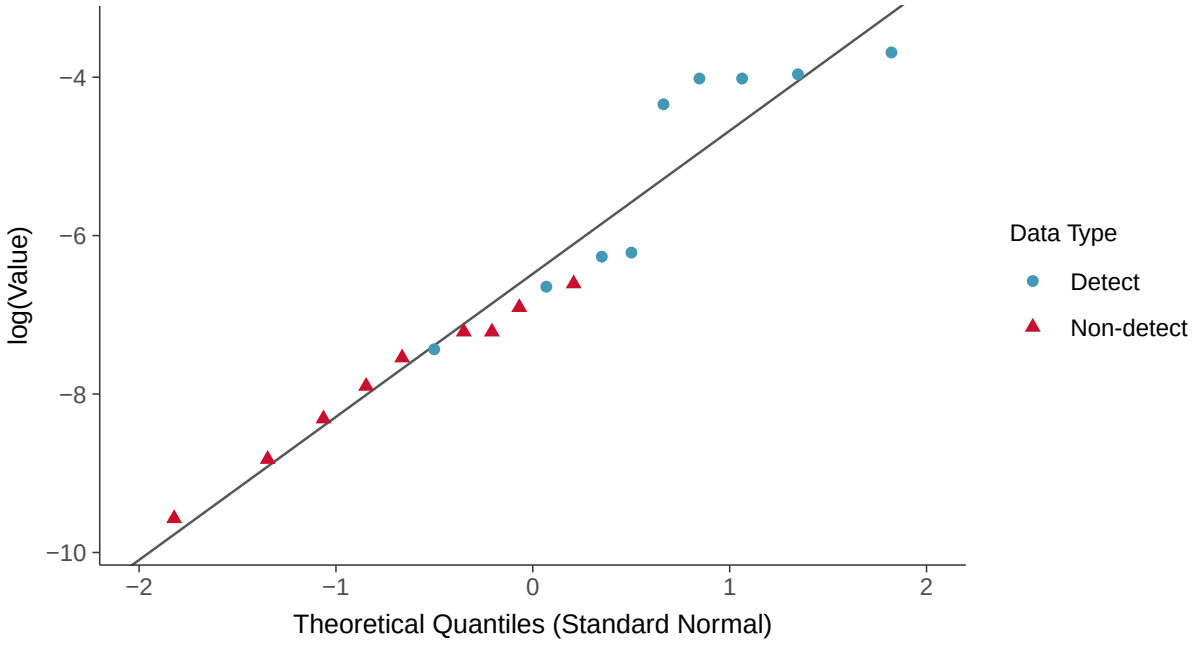
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-03 (mg/L)



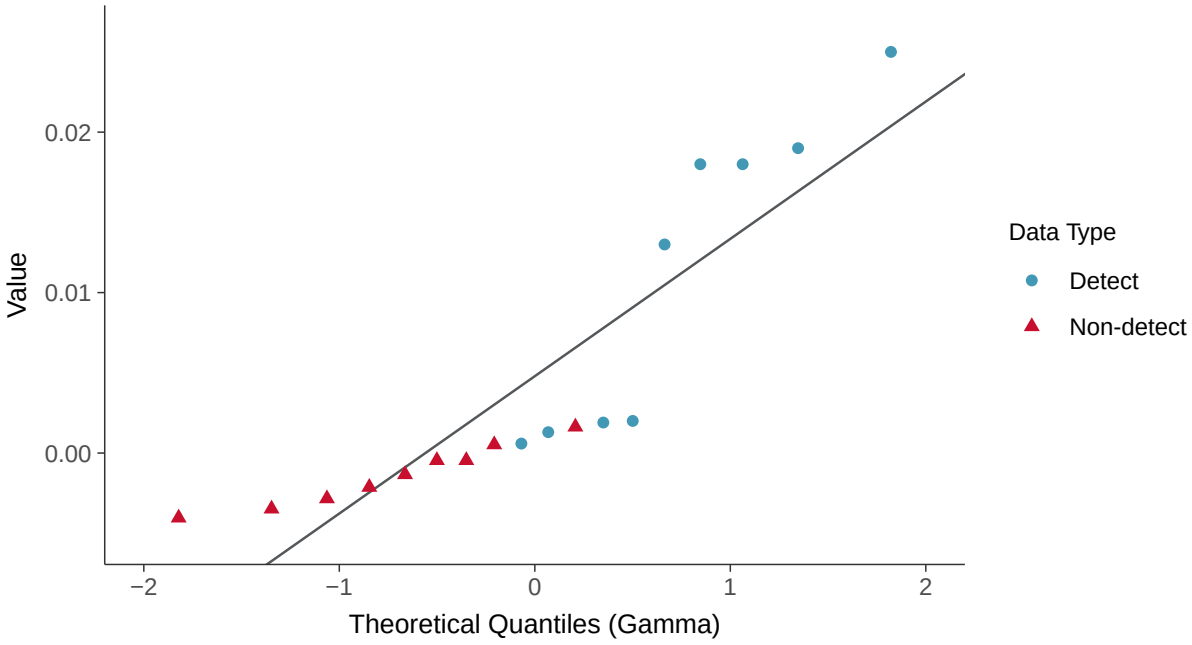
Lognormal Q-Q plot using ROS Imputed Estimates

Zinc, MW-03 (mg/L)



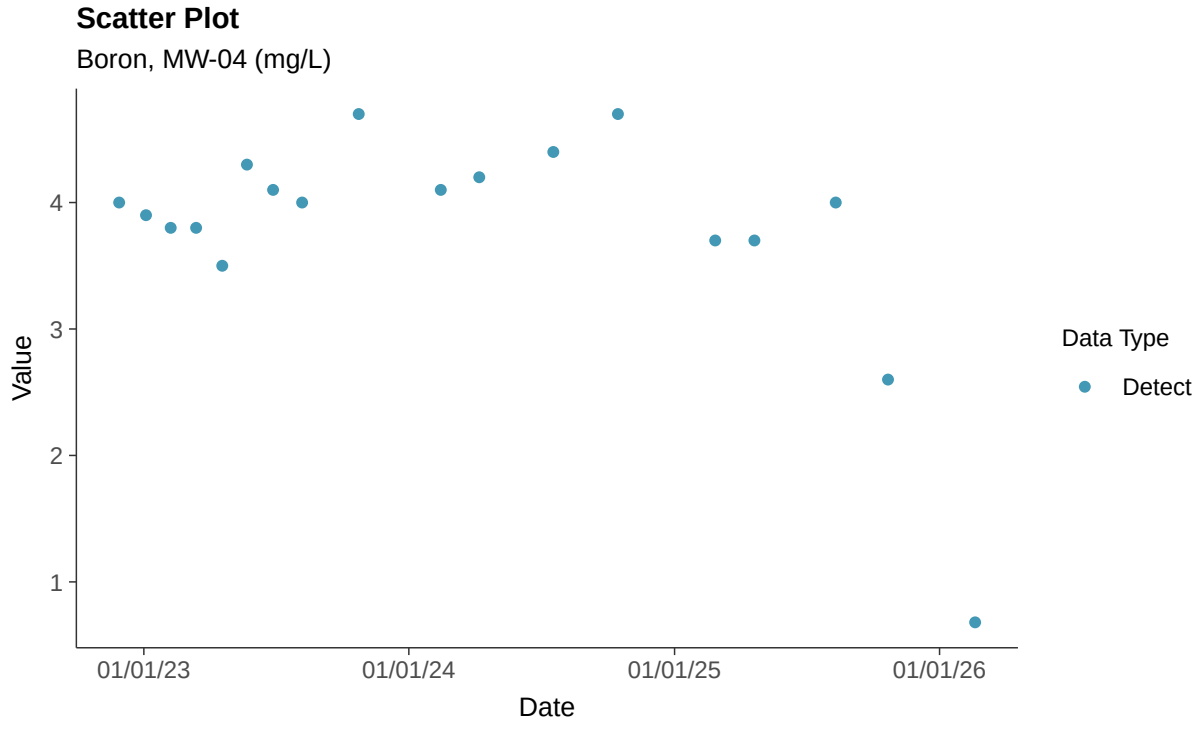
Gamma Q-Q plot using ROS Imputed Estimates

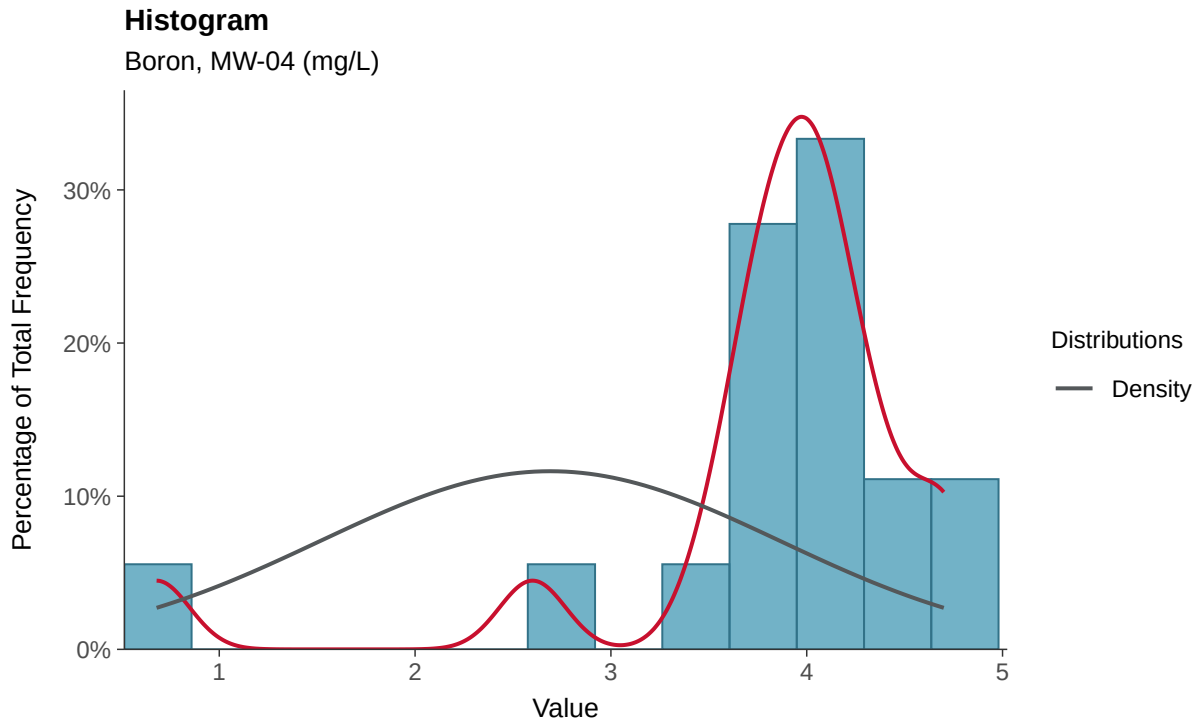
Zinc, MW-03 (mg/L)



Appendix III: Boron, MW-04

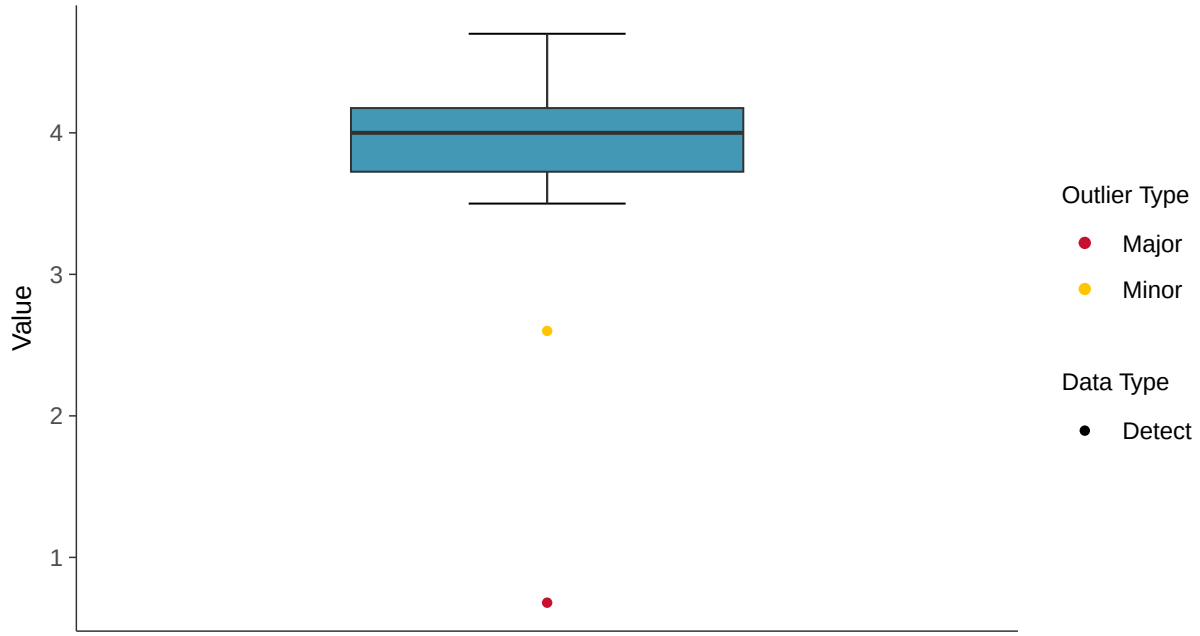
ID: 14_2_3_105





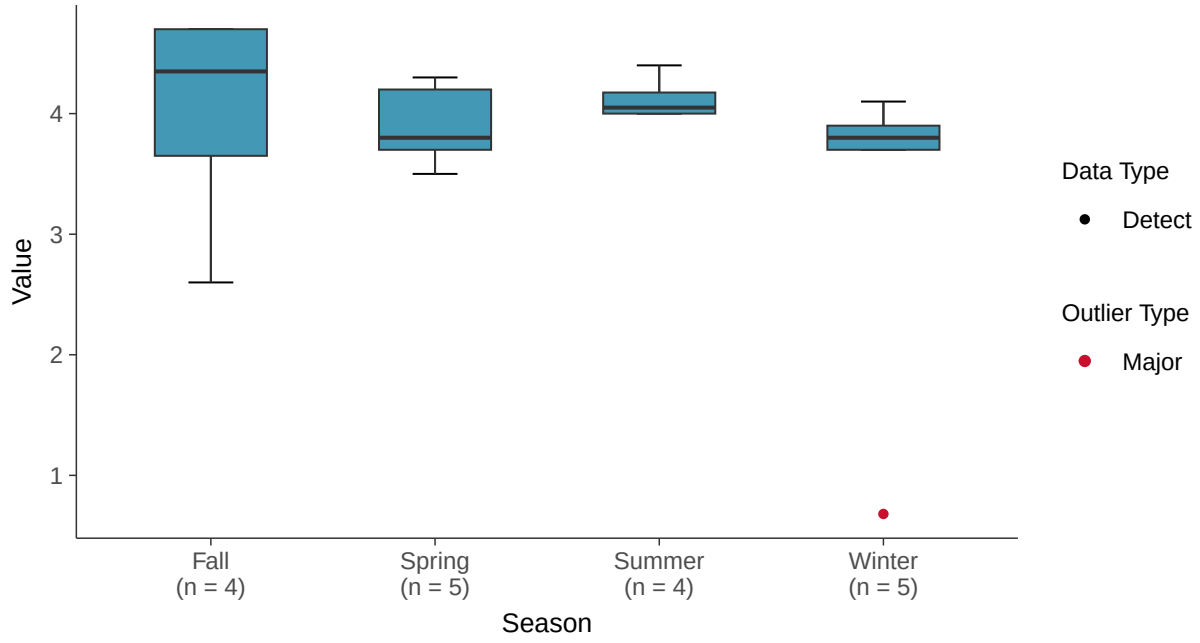
Boxplot

Boron, MW-04 (mg/L)



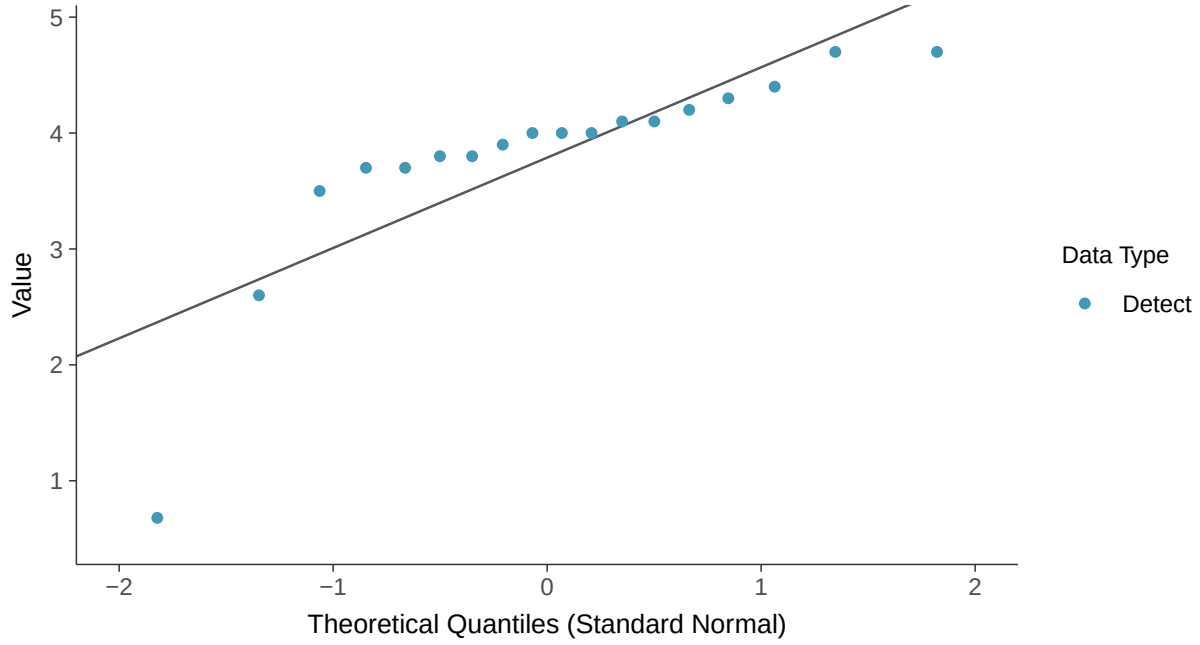
Boxplot by Season

Boron, MW-04 (mg/L)



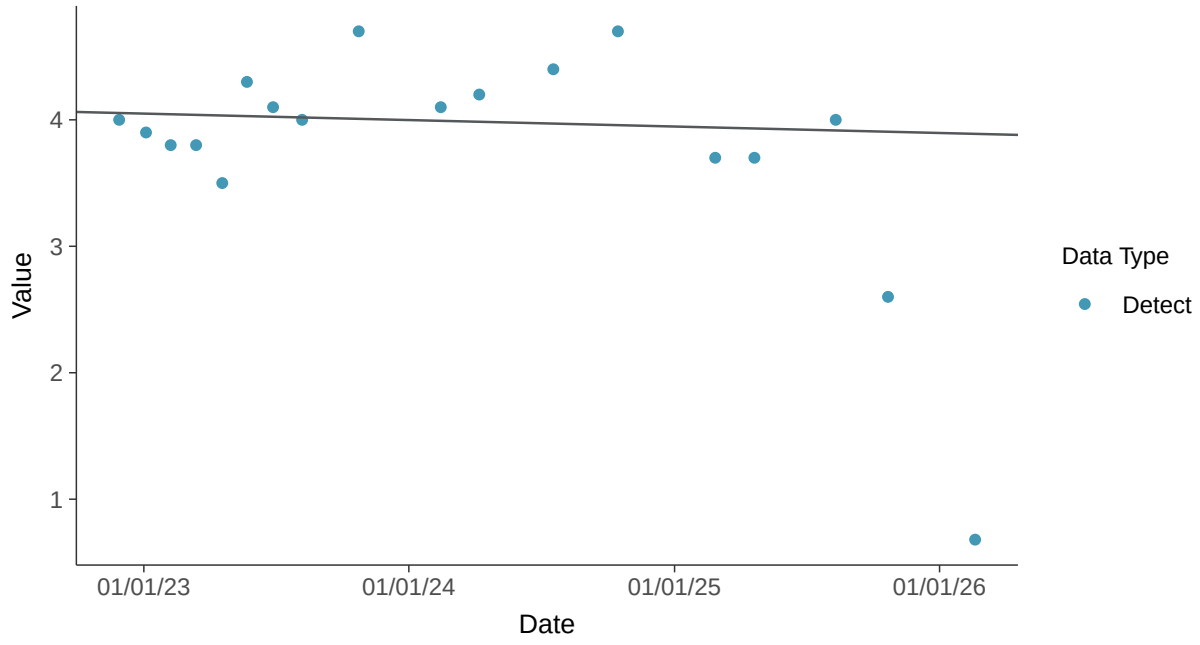
Normal Q-Q plot

Boron, MW-04 (mg/L)



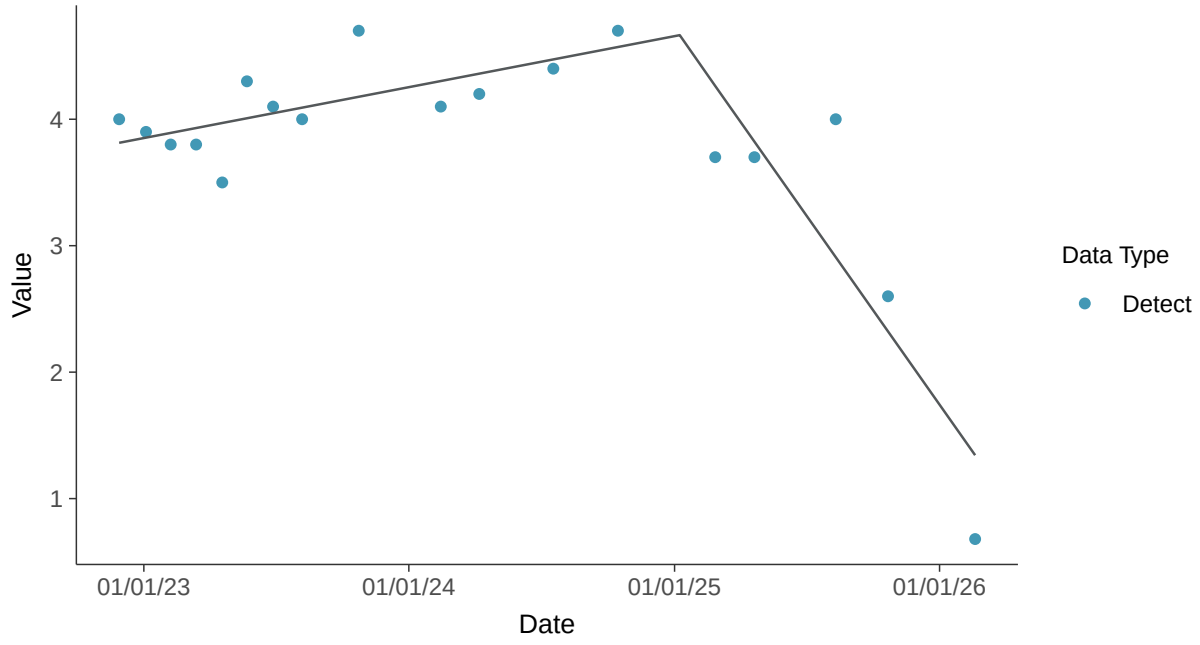
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Boron, MW-04 (mg/L)



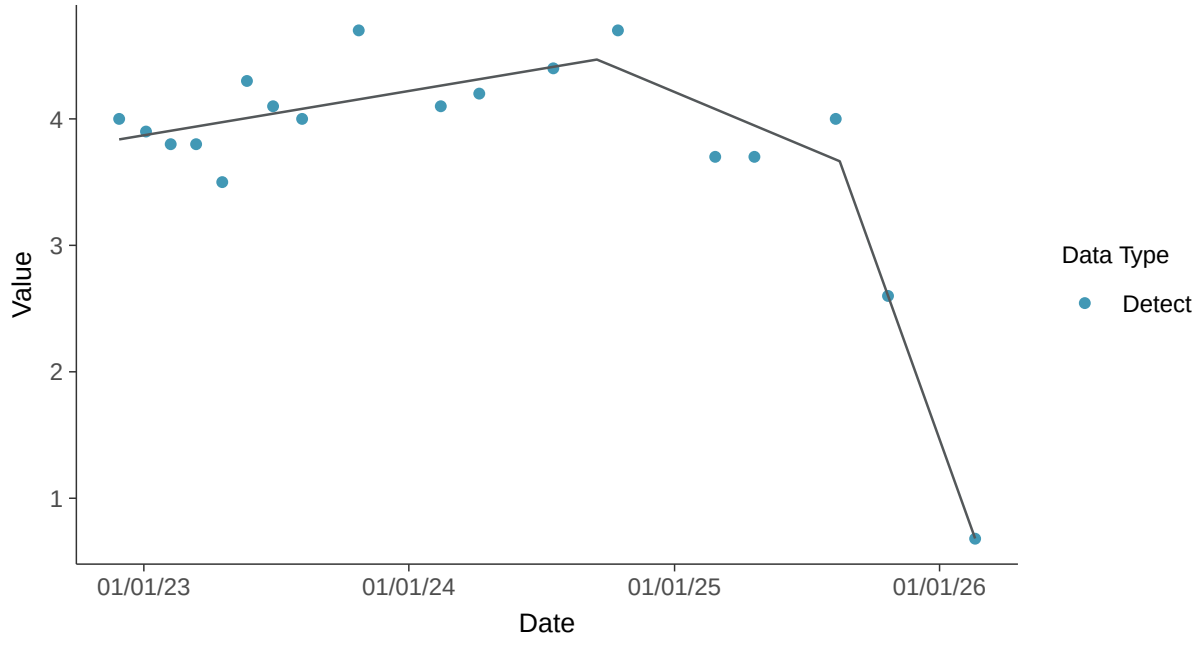
Trend Regression: Piecewise Linear-Linear

Boron, MW-04 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Boron, MW-04 (mg/L)

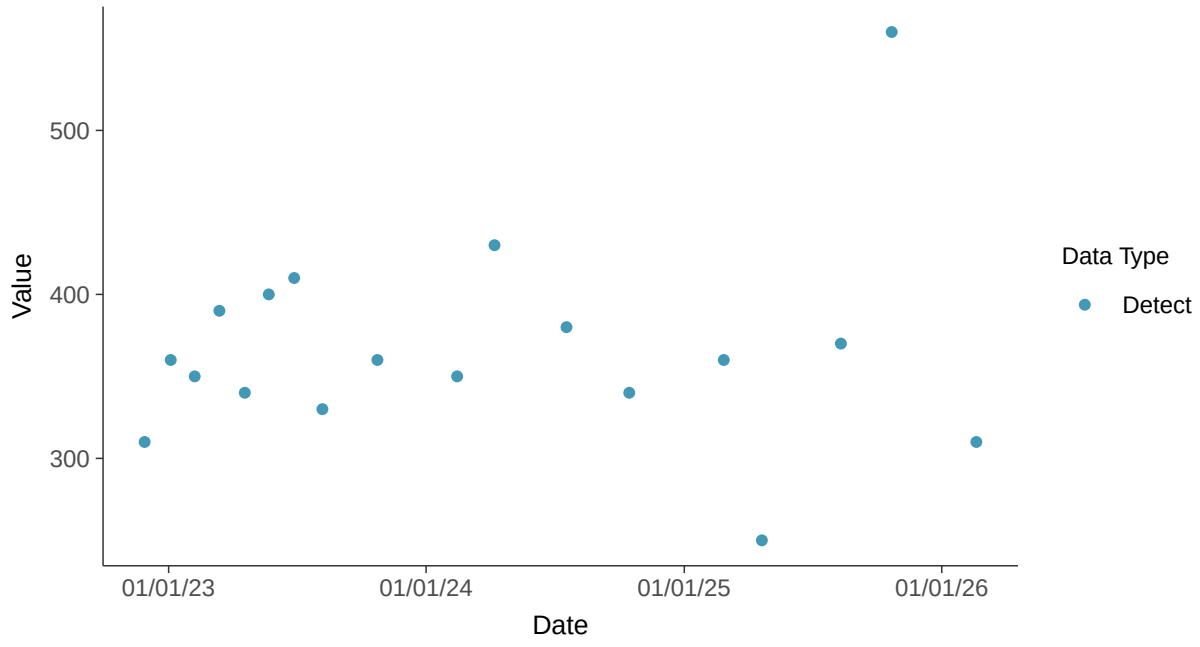


Appendix III: Calcium, MW-04

ID: 14_2_3_107

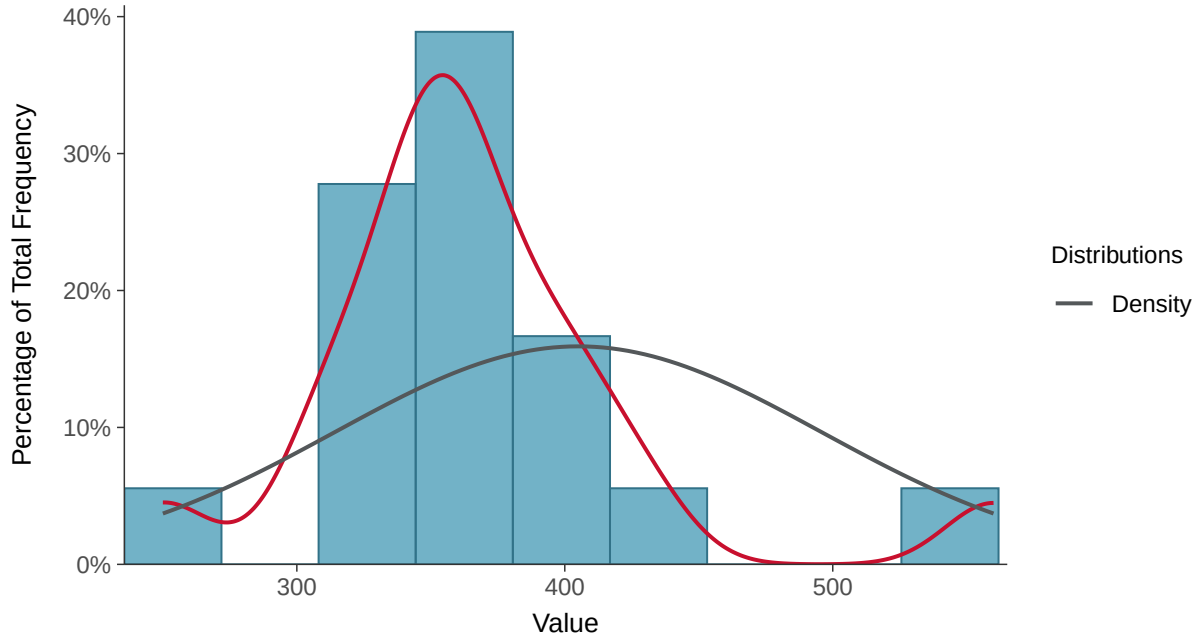
Scatter Plot

Calcium, MW-04 (mg/L)



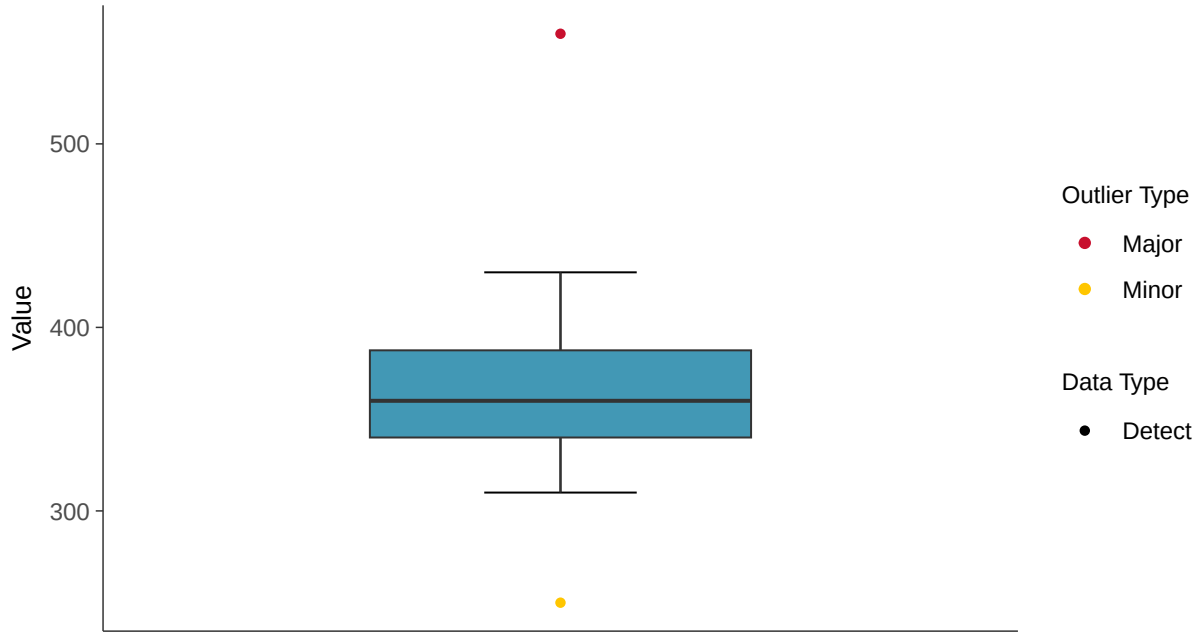
Histogram

Calcium, MW-04 (mg/L)



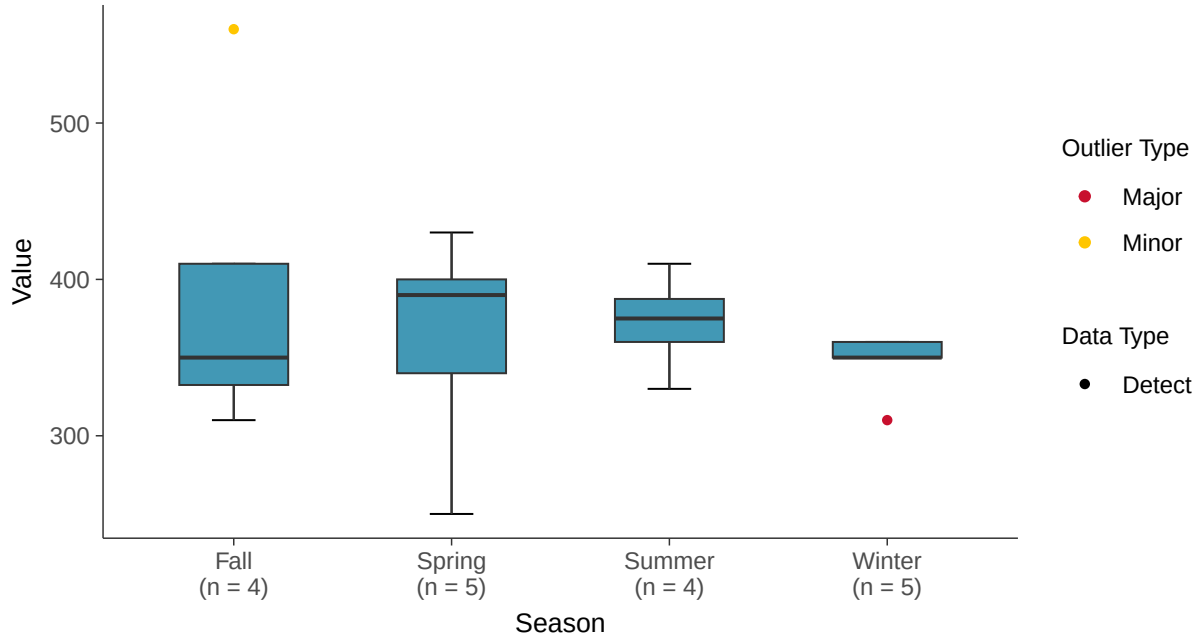
Boxplot

Calcium, MW-04 (mg/L)



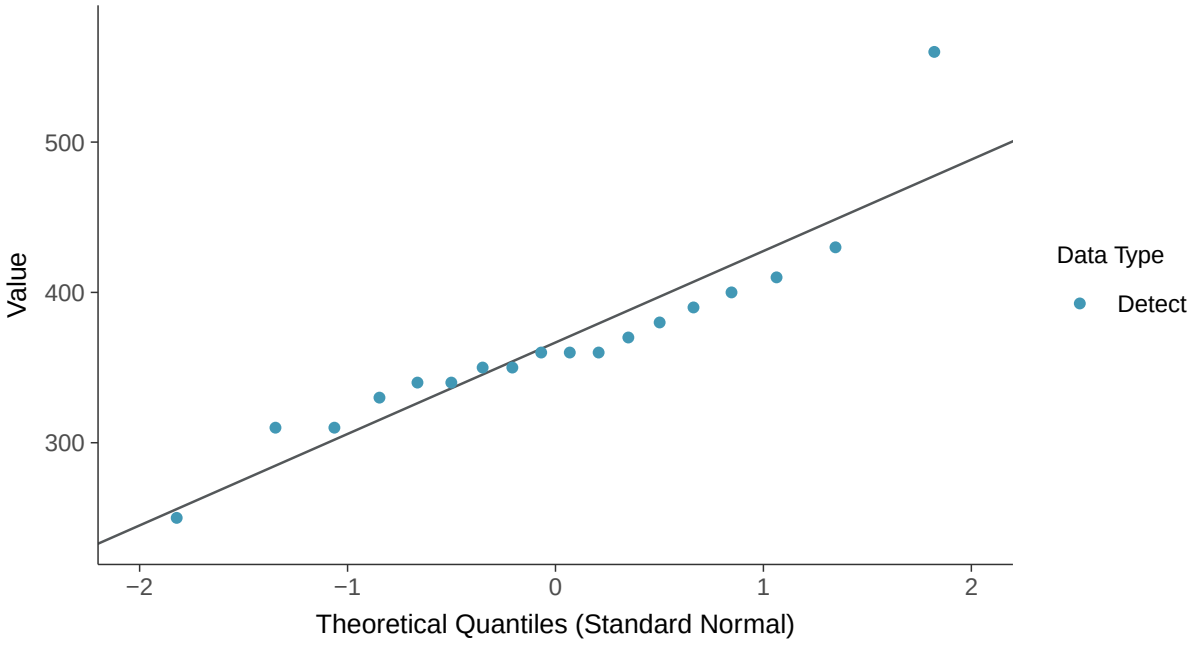
Boxplot by Season

Calcium, MW-04 (mg/L)



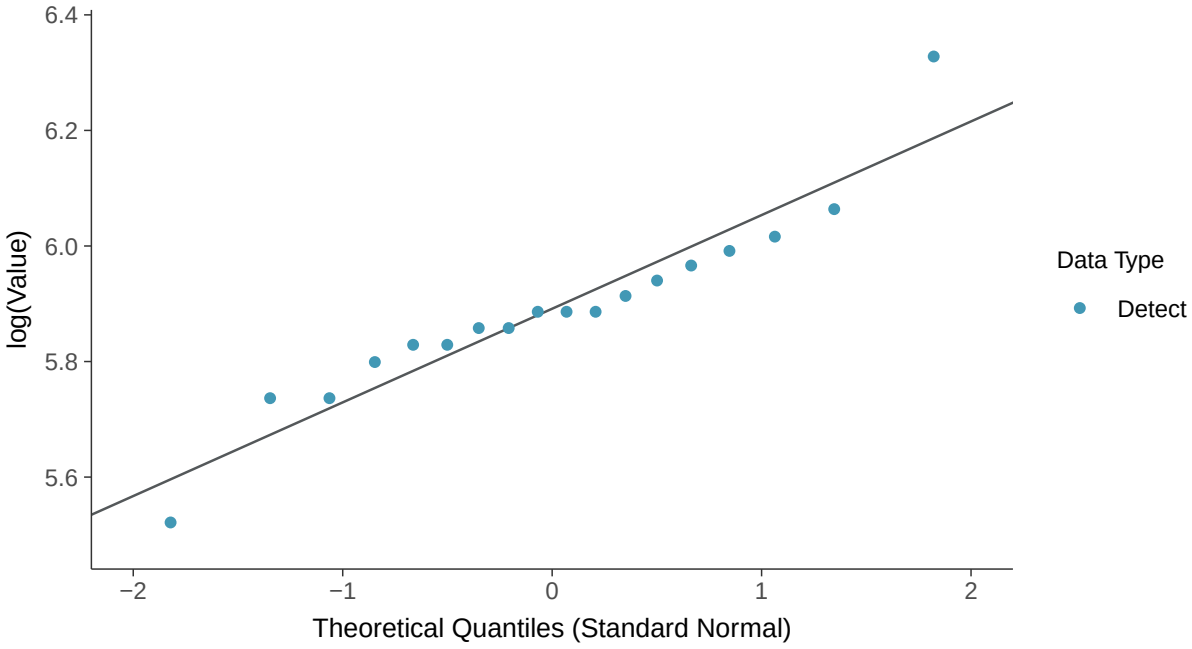
Normal Q-Q plot

Calcium, MW-04 (mg/L)



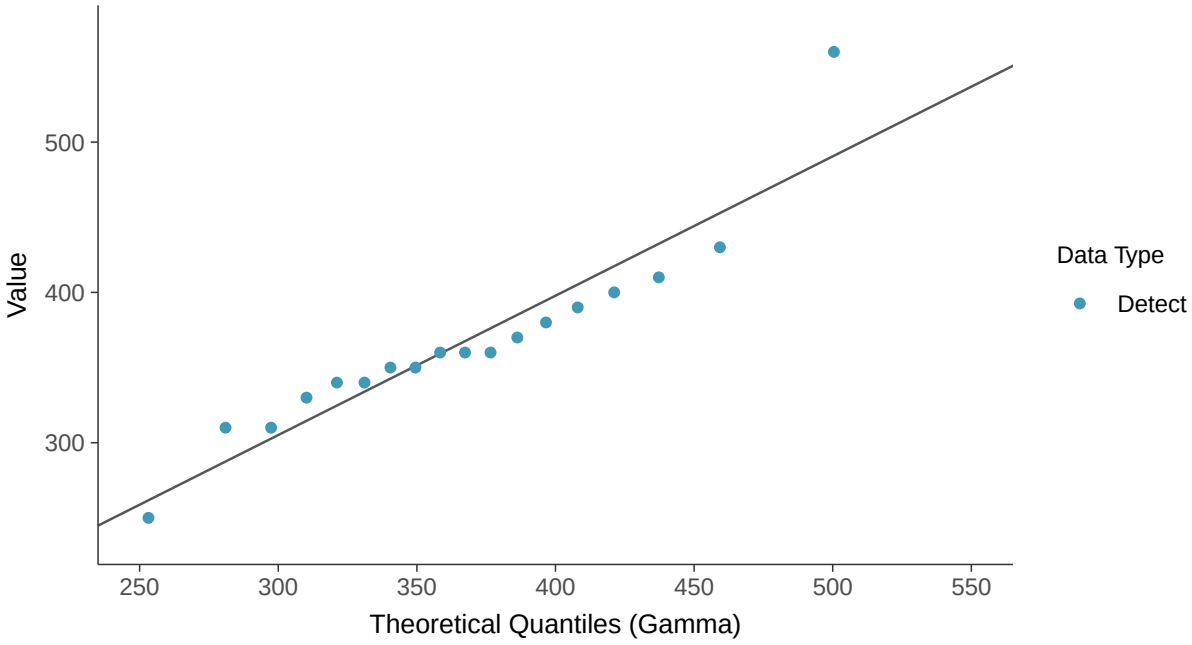
Lognormal Q-Q plot

Calcium, MW-04 (mg/L)



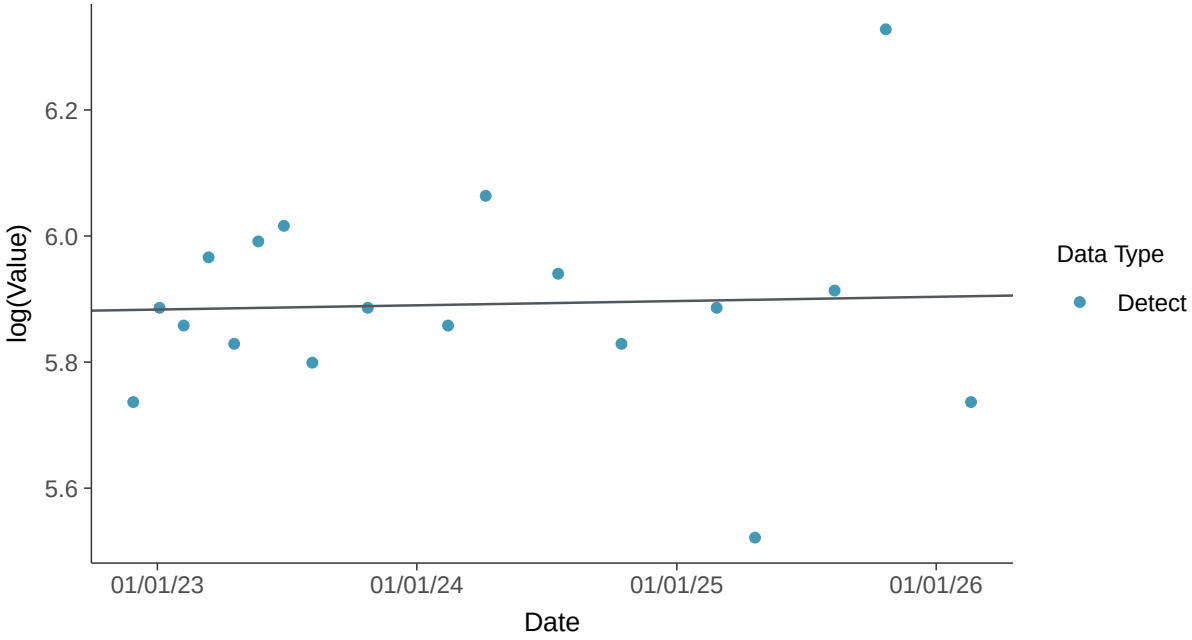
Gamma Q-Q plot

Calcium, MW-04 (mg/L)



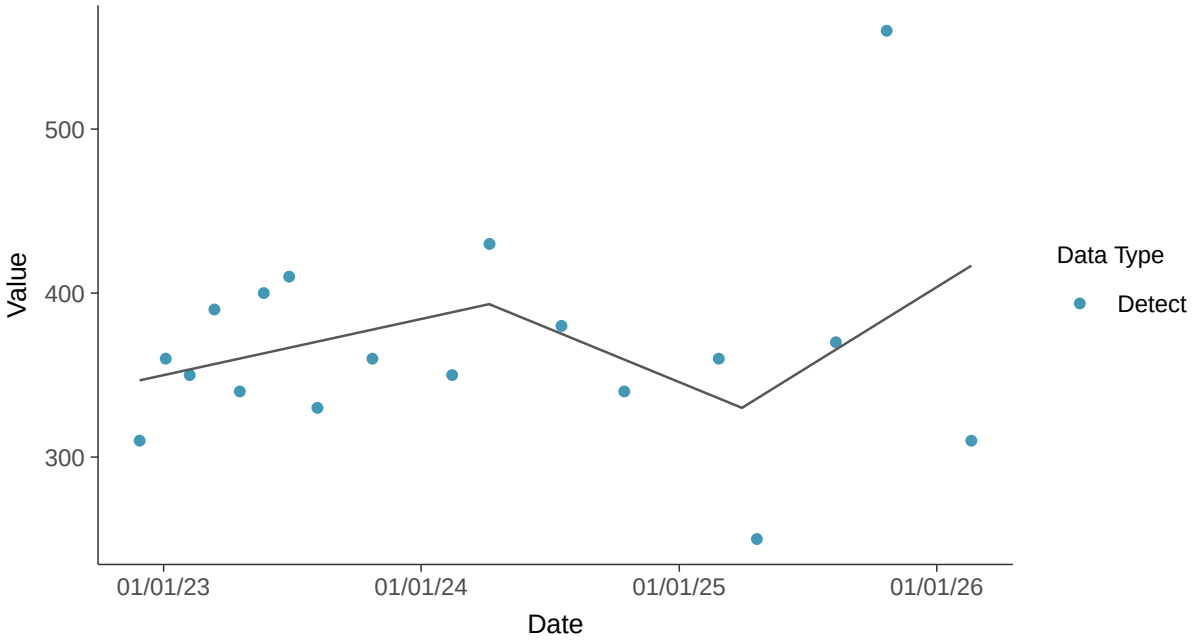
Trend Regression: Lognormal MLE

Calcium, MW-04 (mg/L)



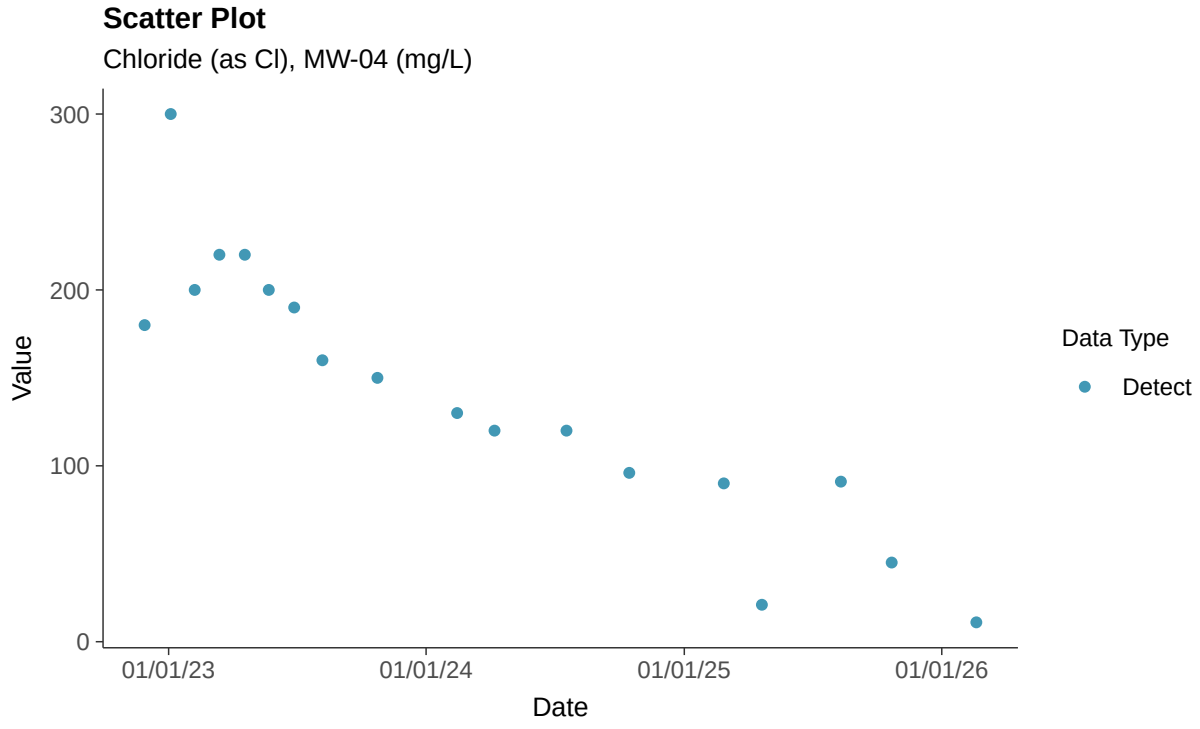
Trend Regression: Piecewise Linear-Linear-Linear

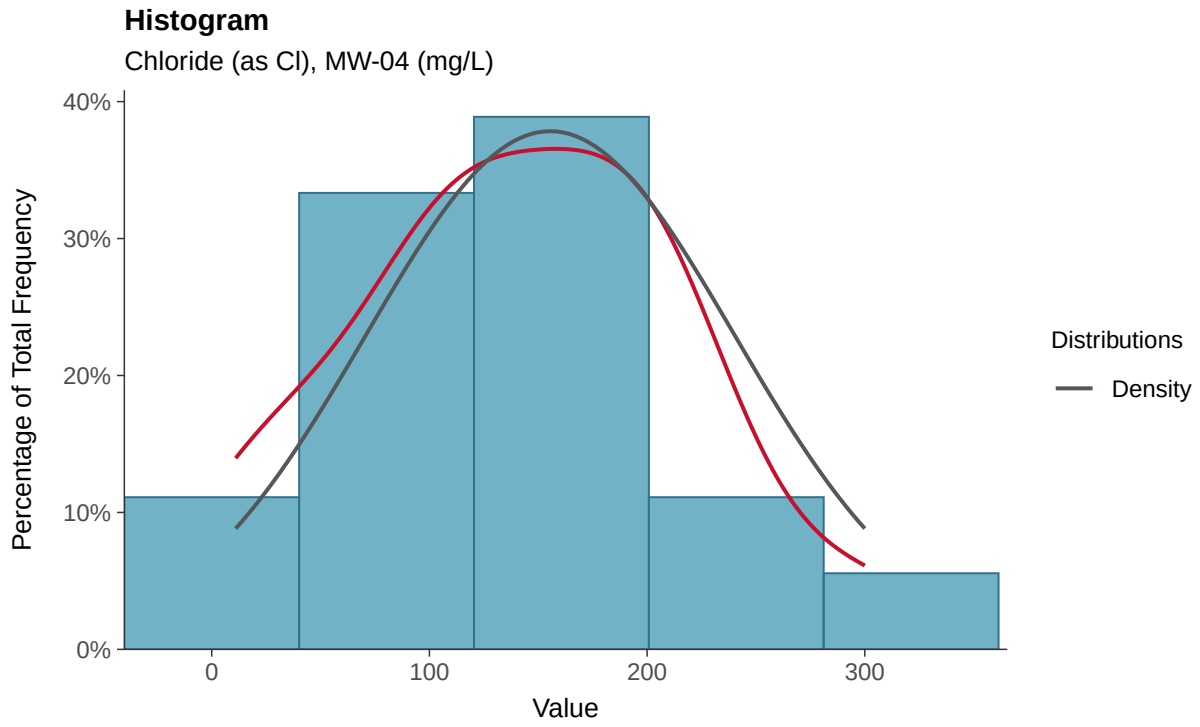
Calcium, MW-04 (mg/L)



Appendix III: Chloride (as Cl), MW-04

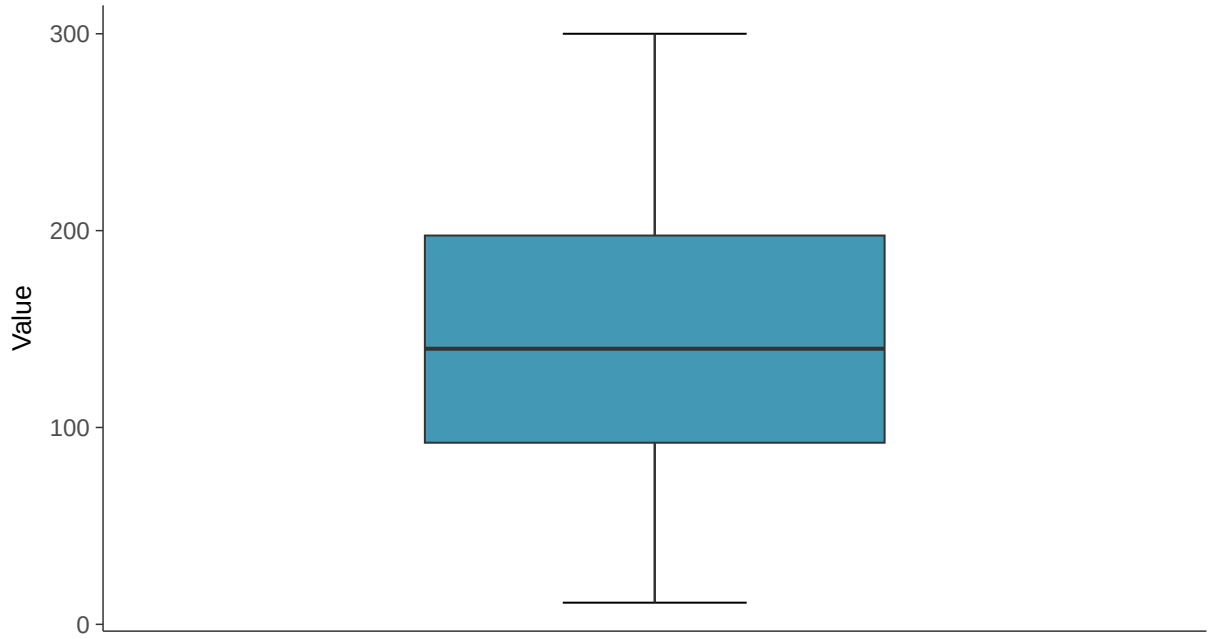
ID: 14_2_3_108





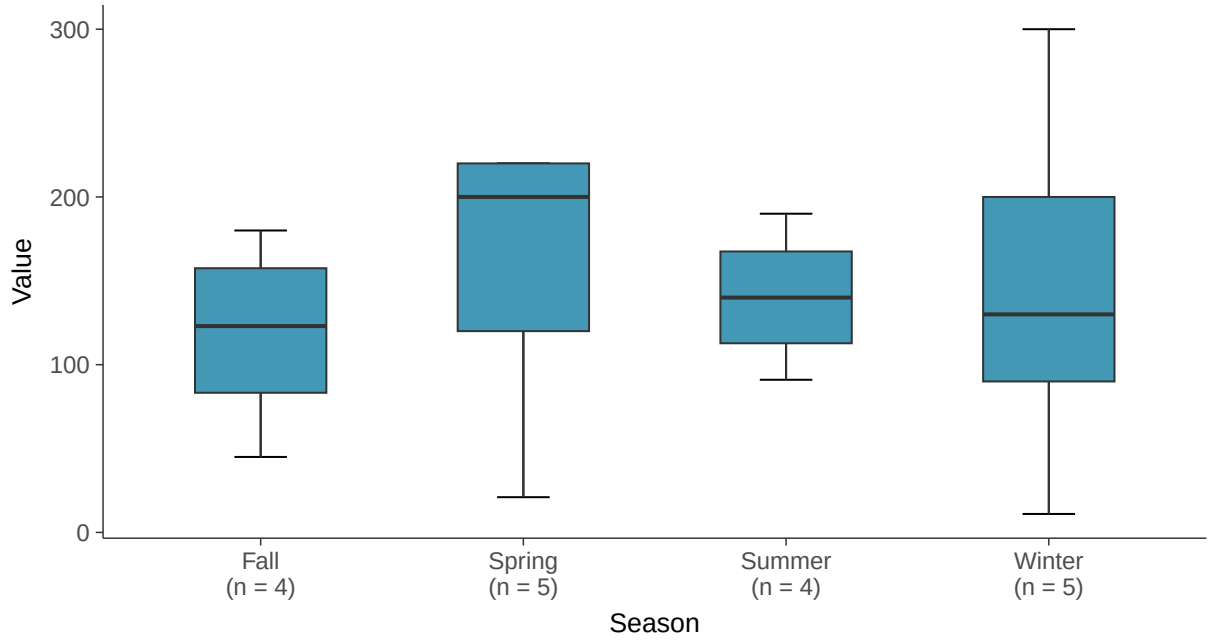
Boxplot

Chloride (as Cl), MW-04 (mg/L)



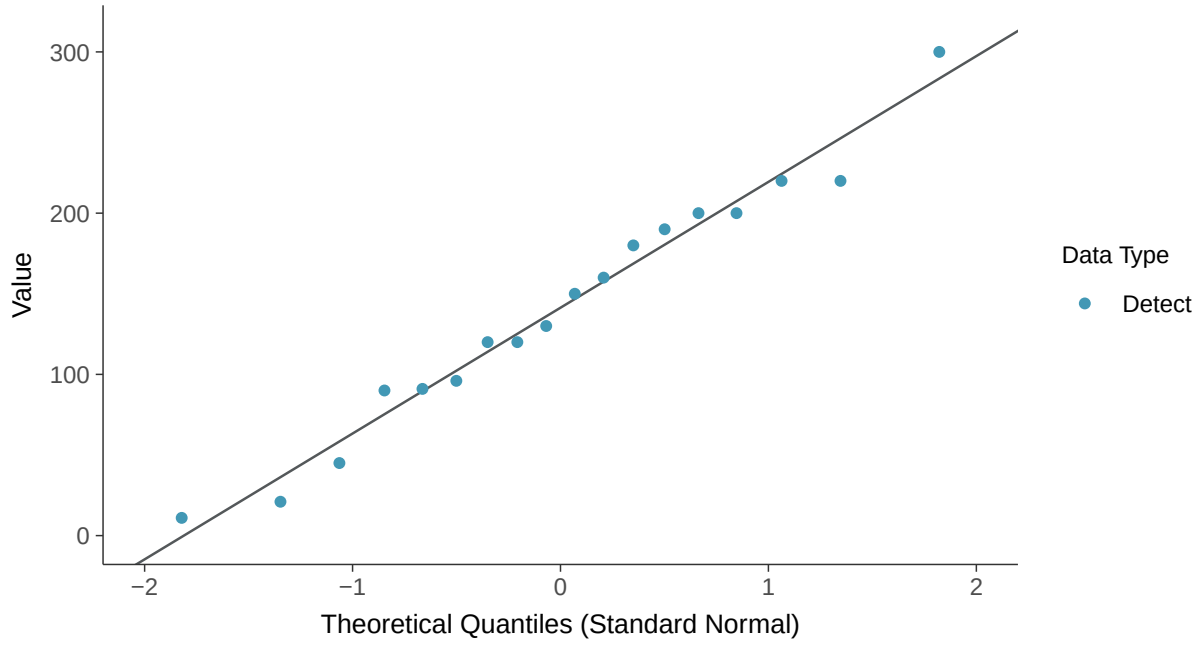
Boxplot by Season

Chloride (as Cl), MW-04 (mg/L)



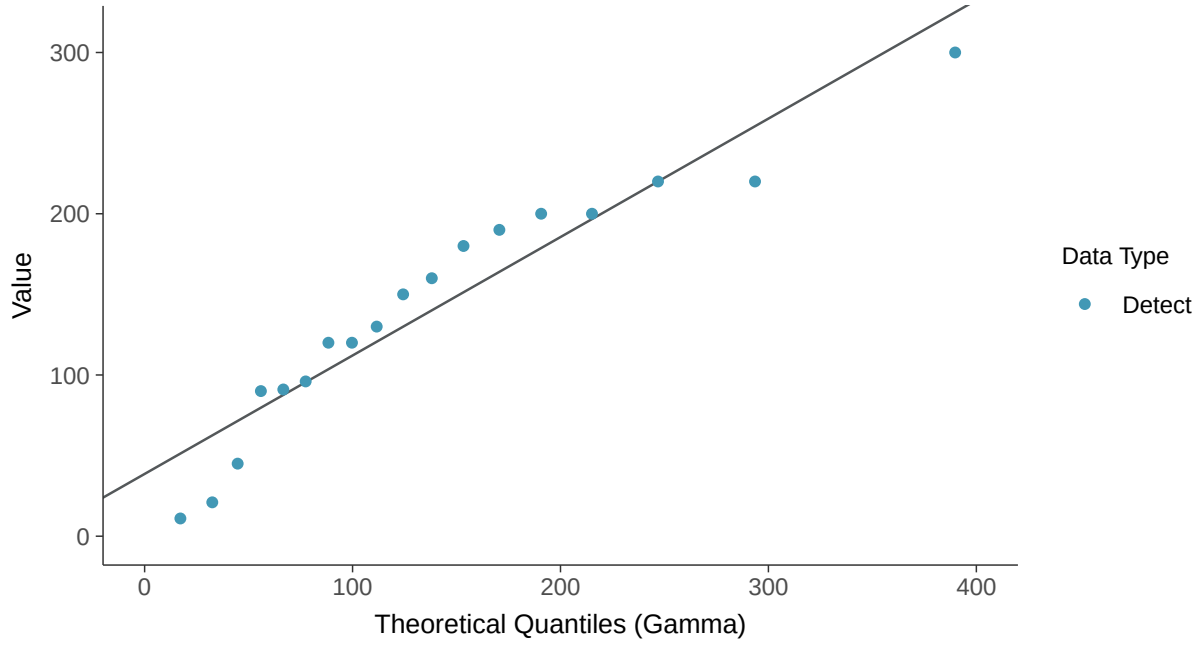
Normal Q-Q plot

Chloride (as Cl), MW-04 (mg/L)



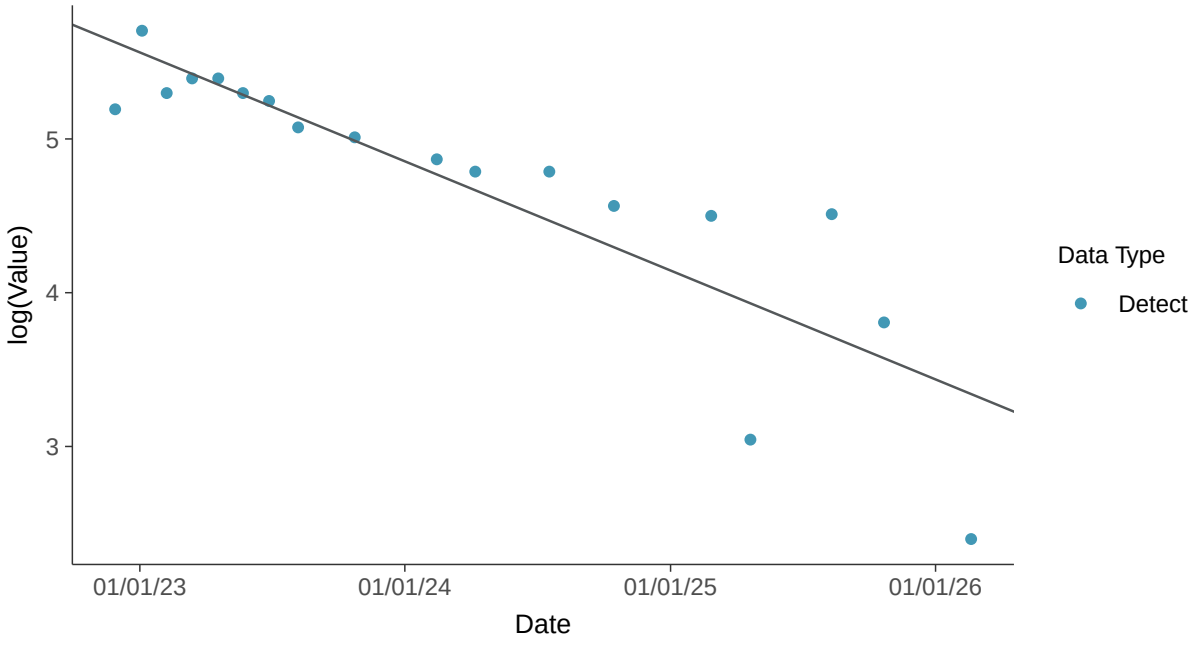
Gamma Q-Q plot

Chloride (as Cl), MW-04 (mg/L)



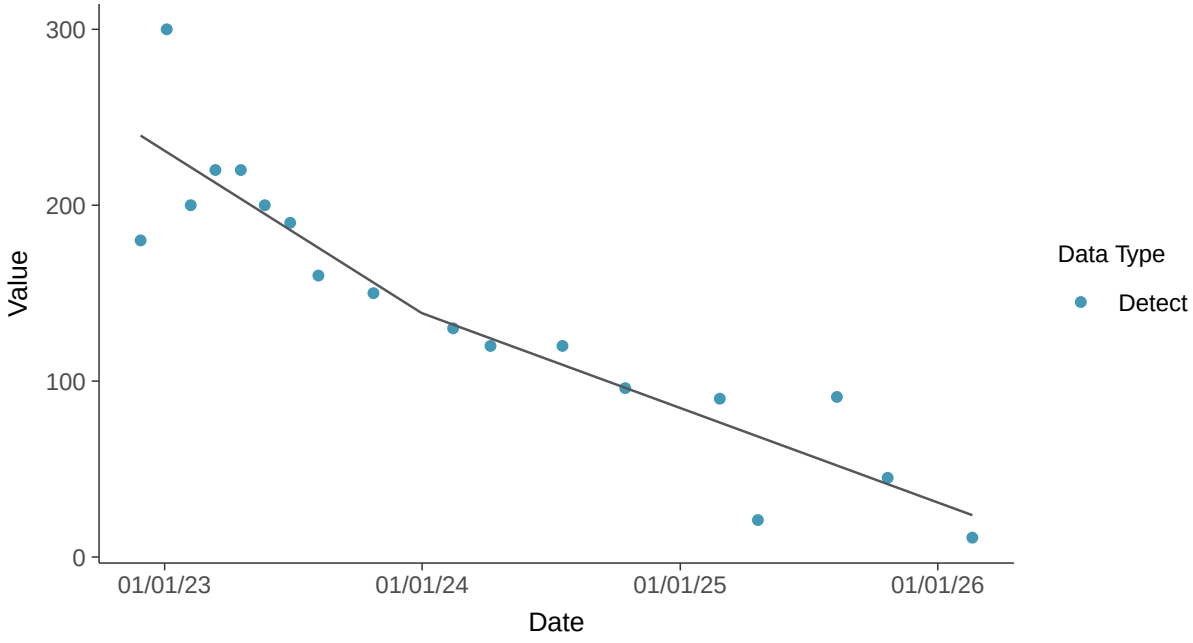
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-04 (mg/L)



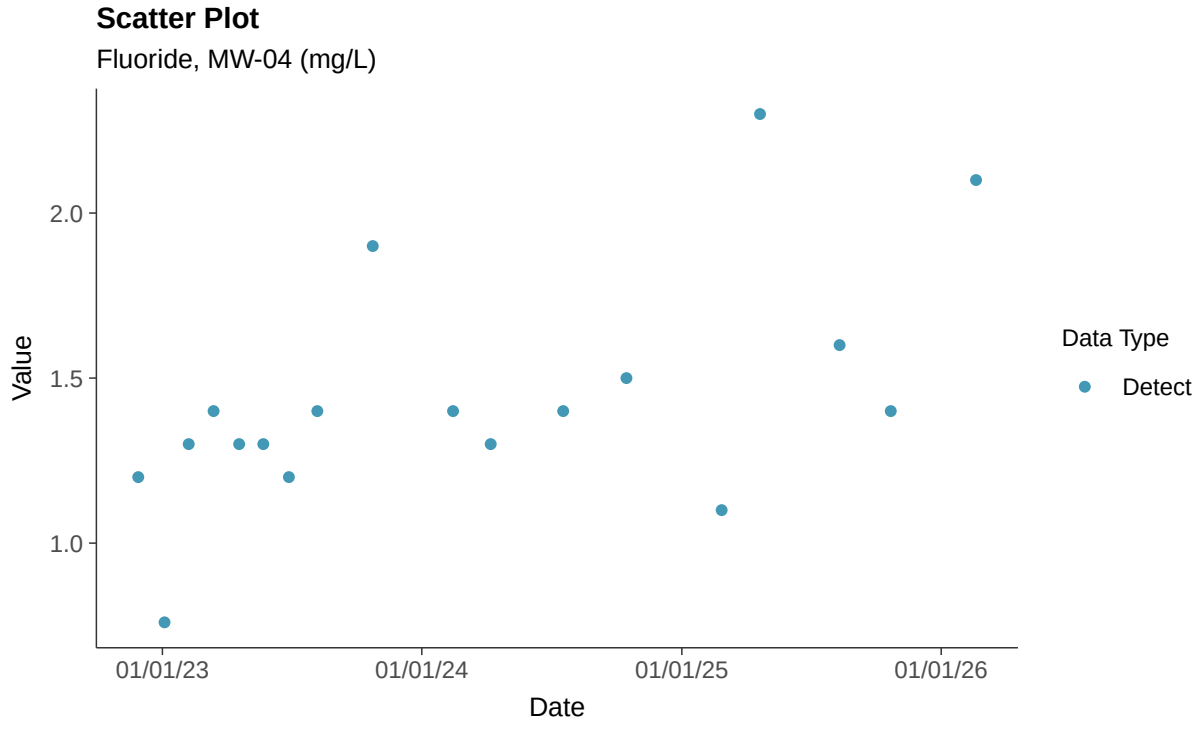
Trend Regression: Piecewise Linear-Linear

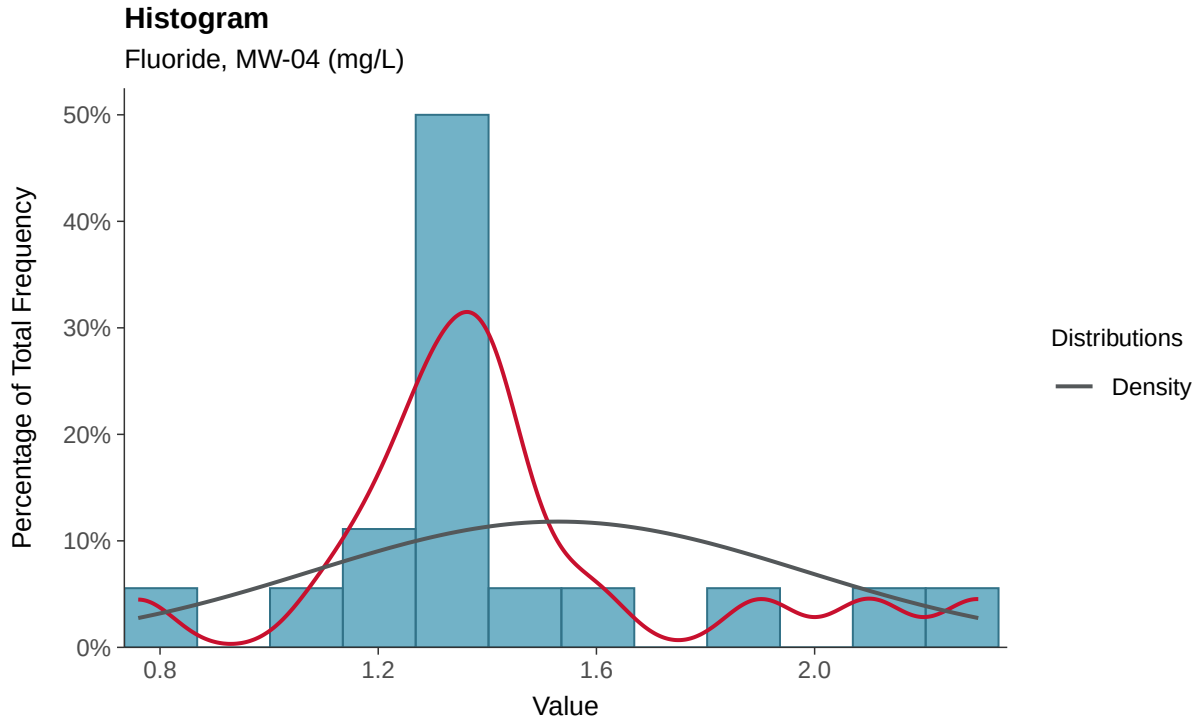
Chloride (as Cl), MW-04 (mg/L)



Appendix III: Fluoride, MW-04

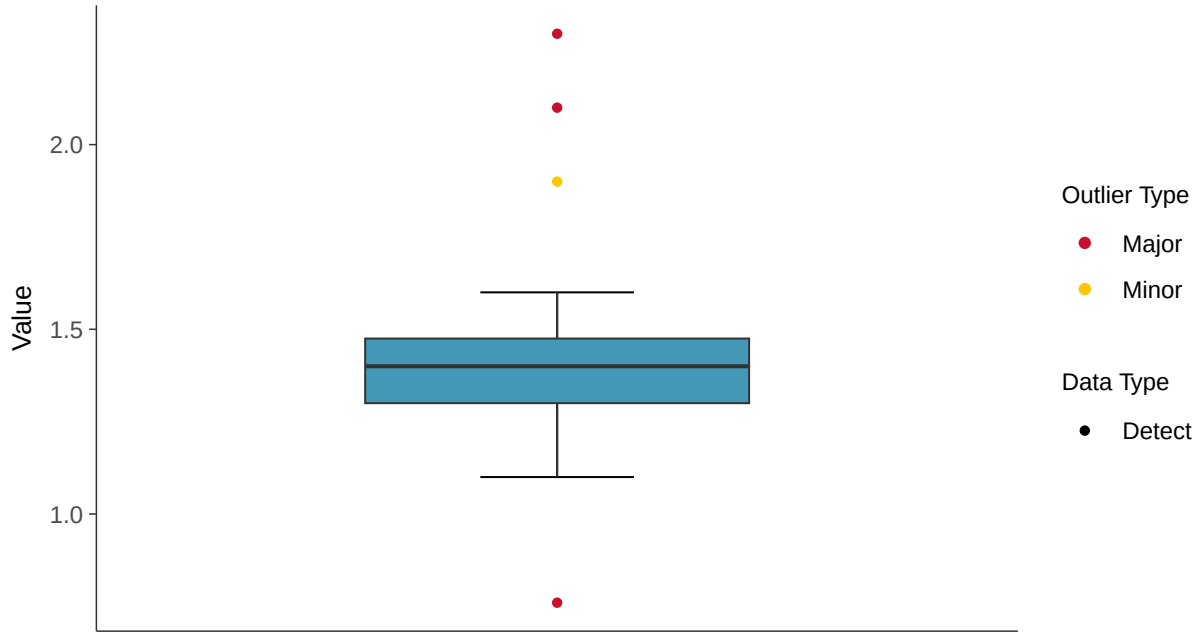
ID: 14_2_3_112





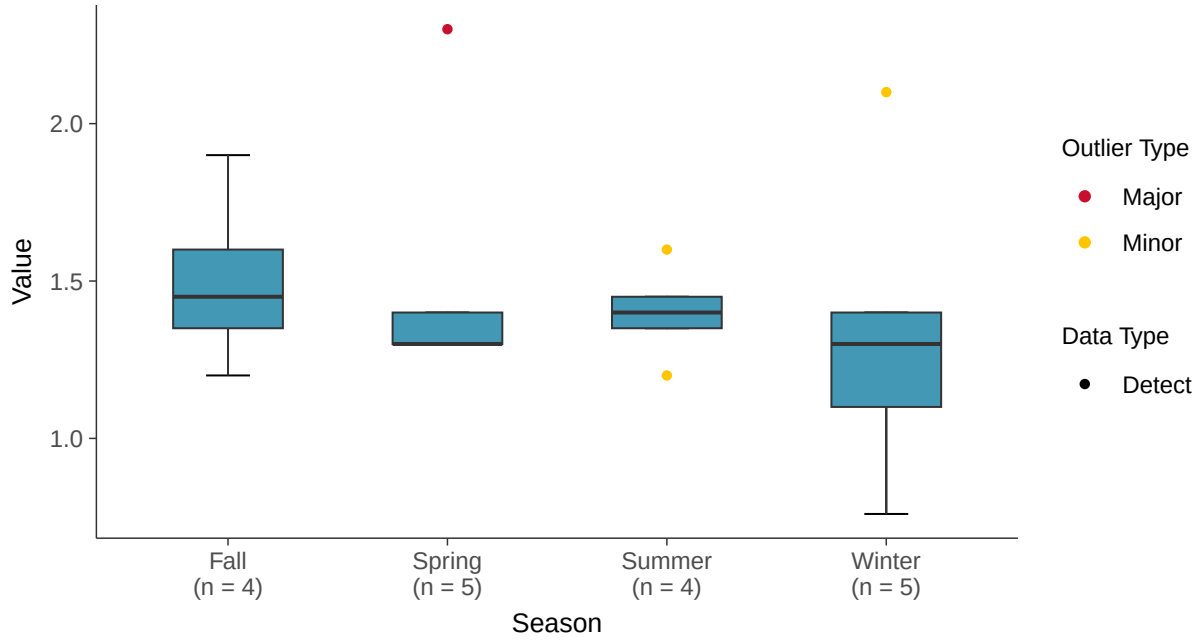
Boxplot

Fluoride, MW-04 (mg/L)



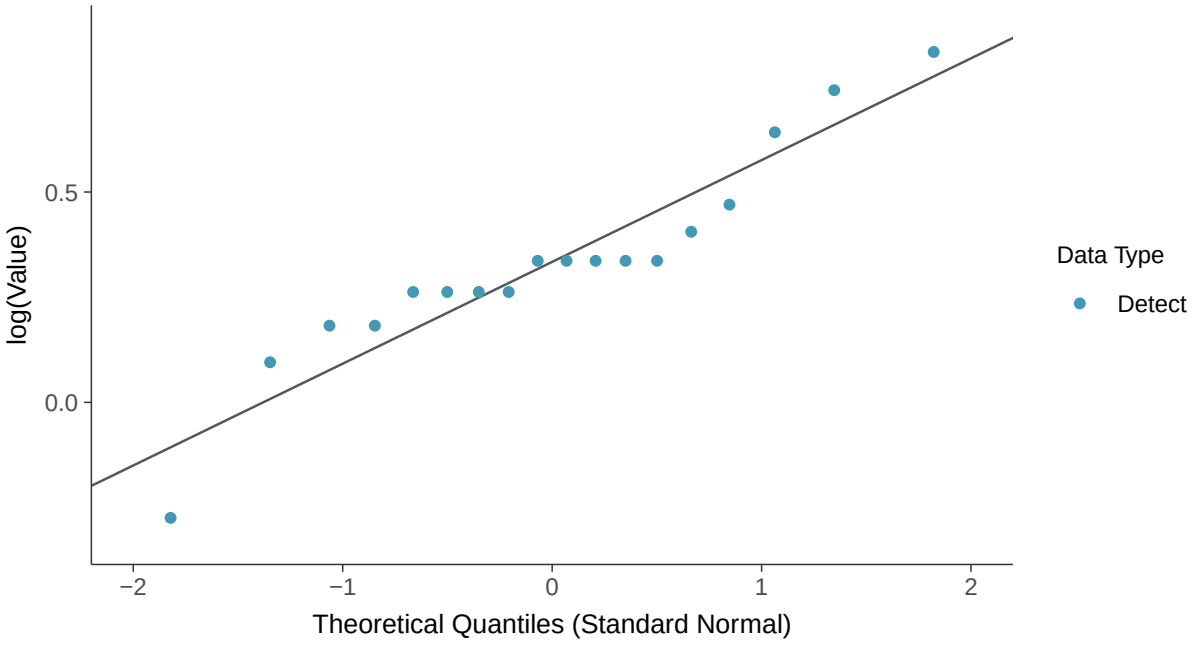
Boxplot by Season

Fluoride, MW-04 (mg/L)



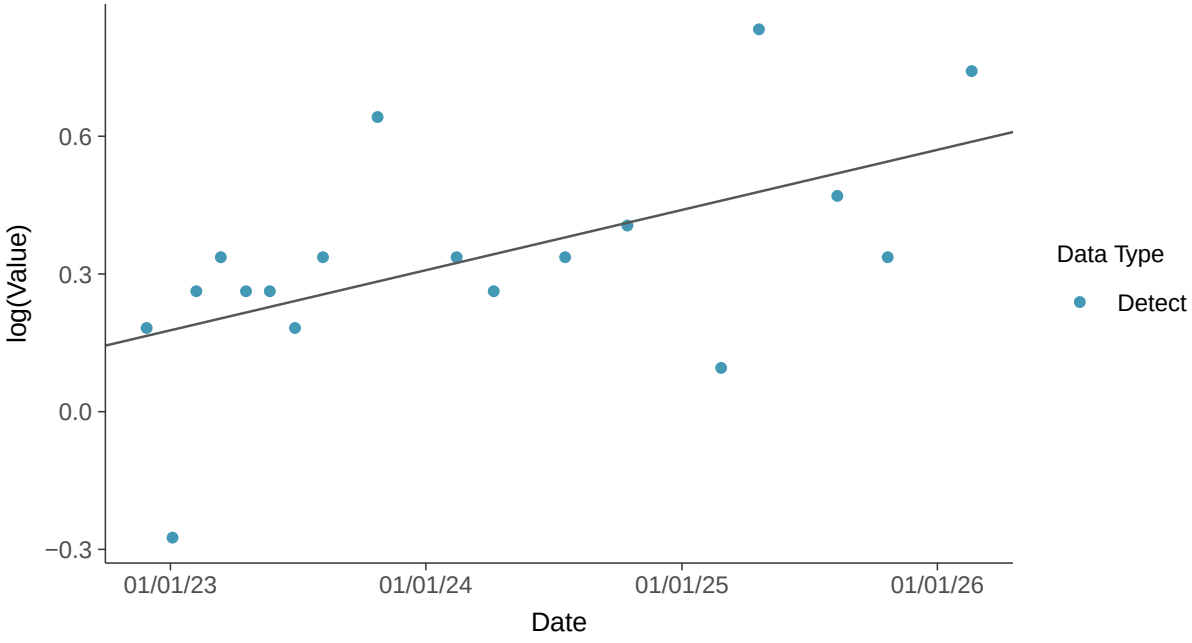
Lognormal Q-Q plot

Fluoride, MW-04 (mg/L)



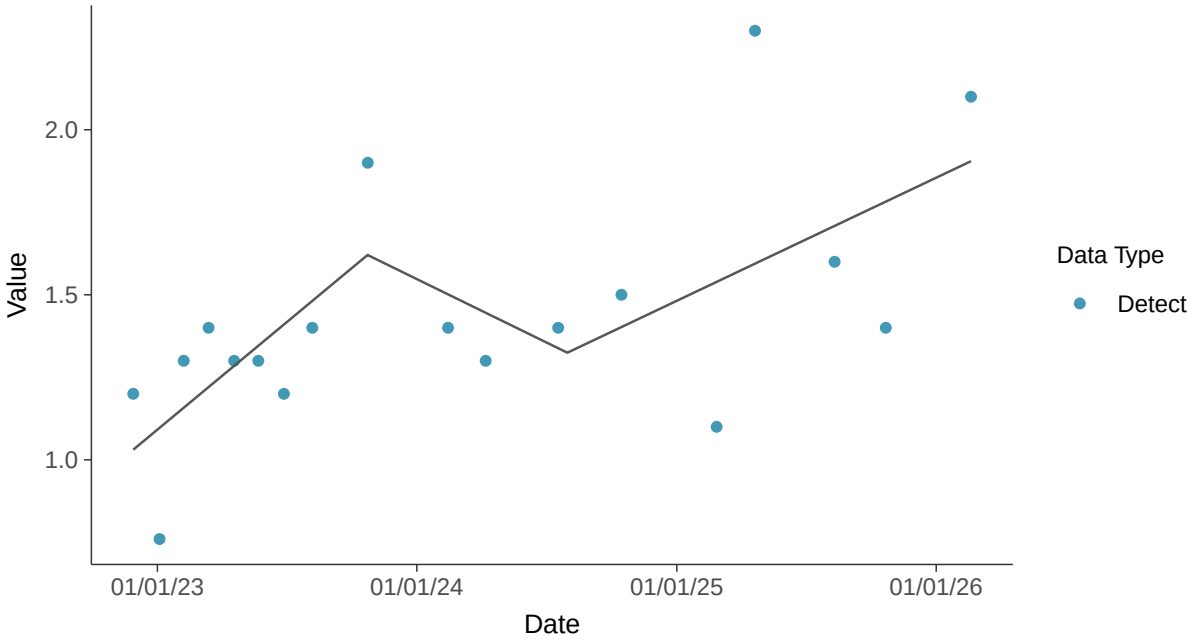
Trend Regression: Lognormal MLE

Fluoride, MW-04 (mg/L)



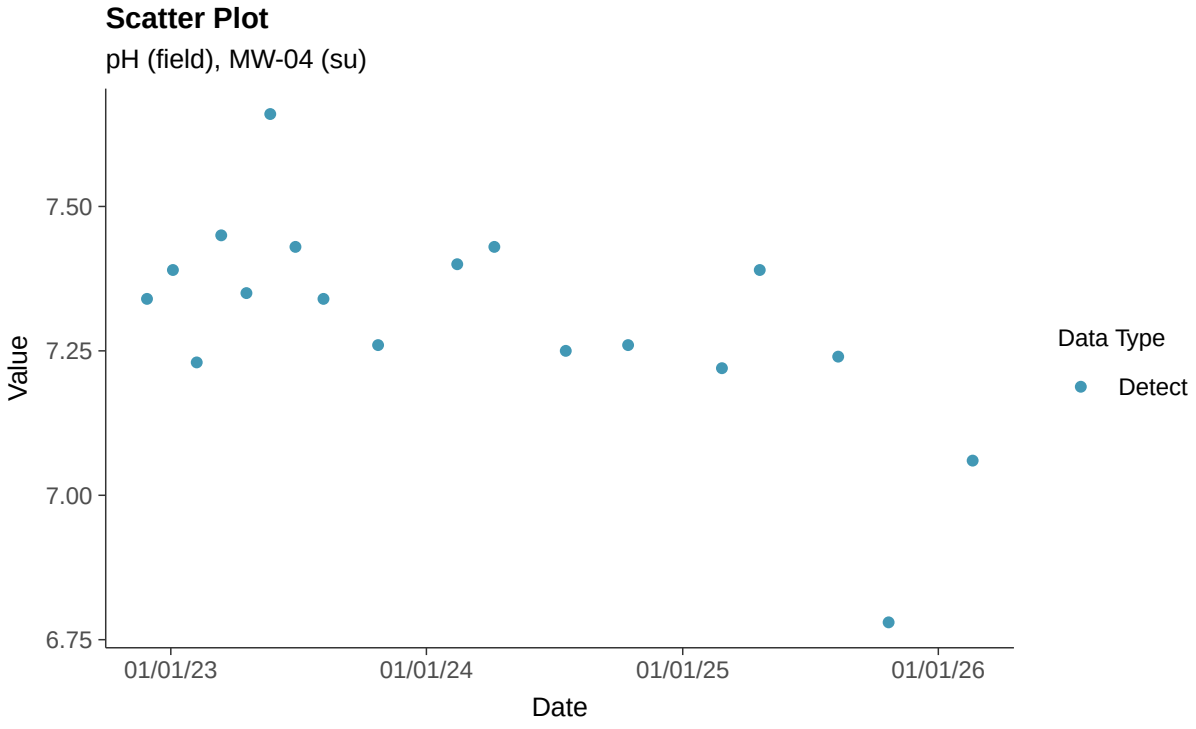
Trend Regression: Piecewise Linear-Linear-Linear

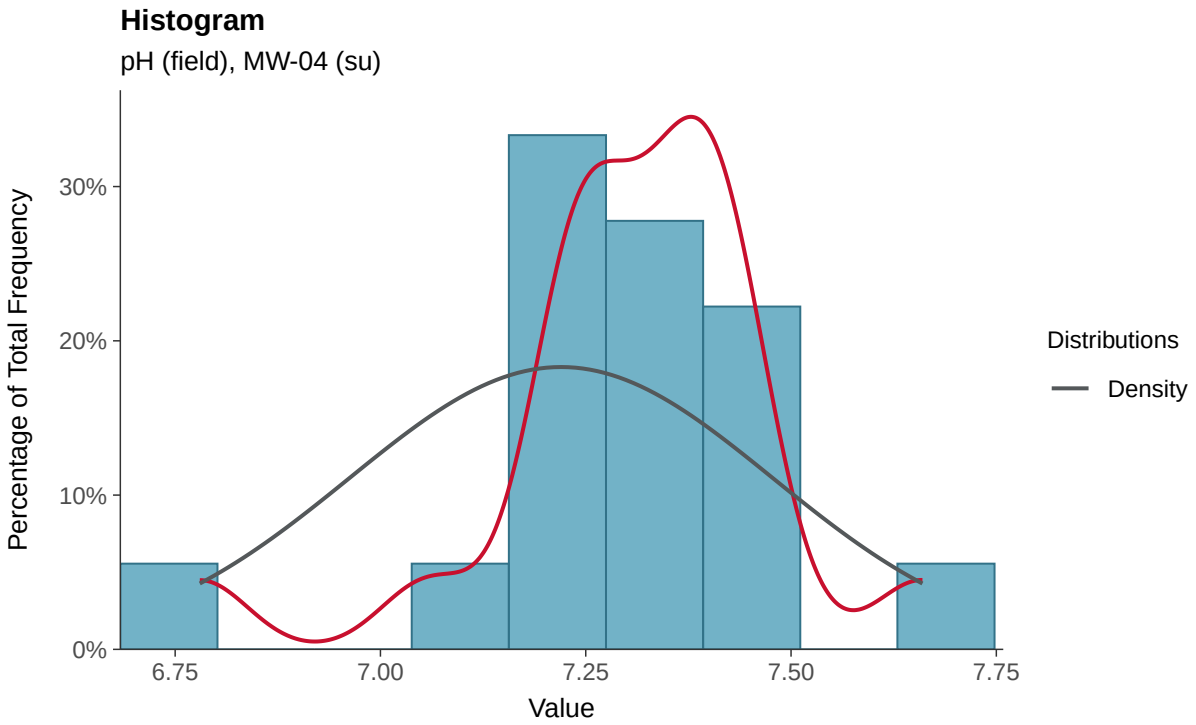
Fluoride, MW-04 (mg/L)



Appendix III: pH (field), MW-04

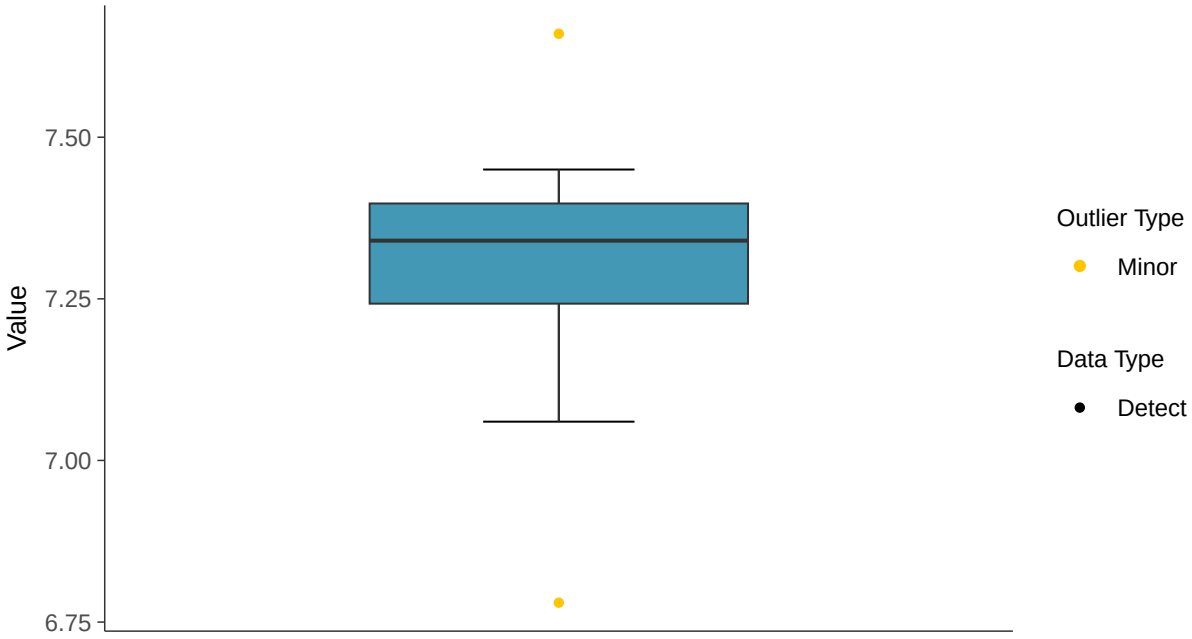
ID: 14_2_3_120





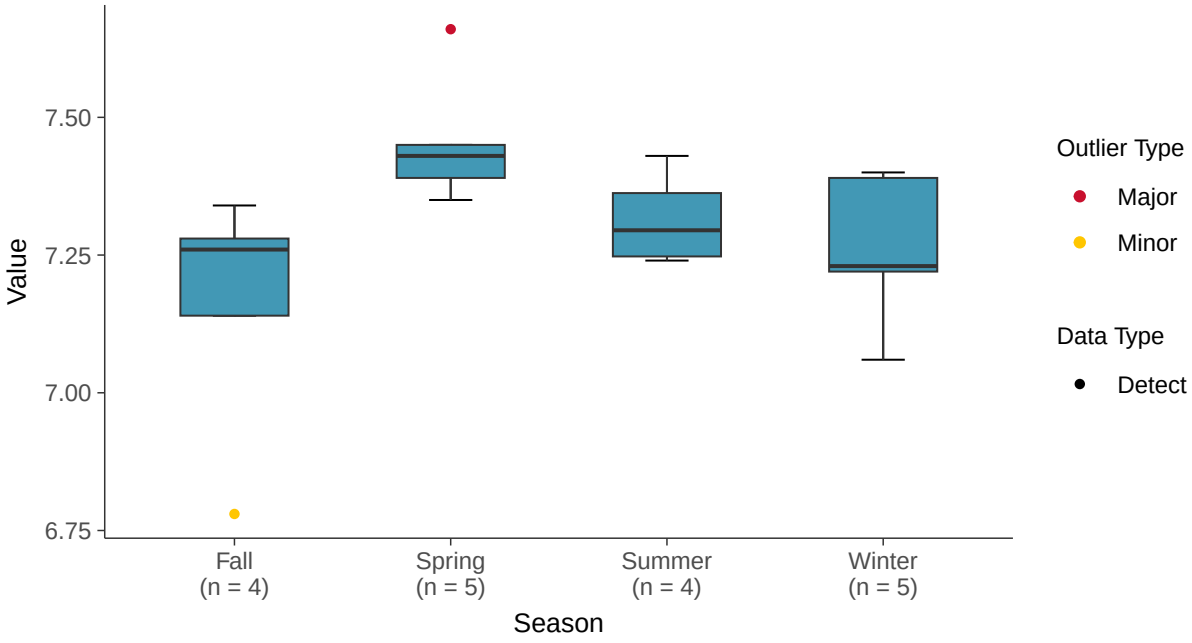
Boxplot

pH (field), MW-04 (su)



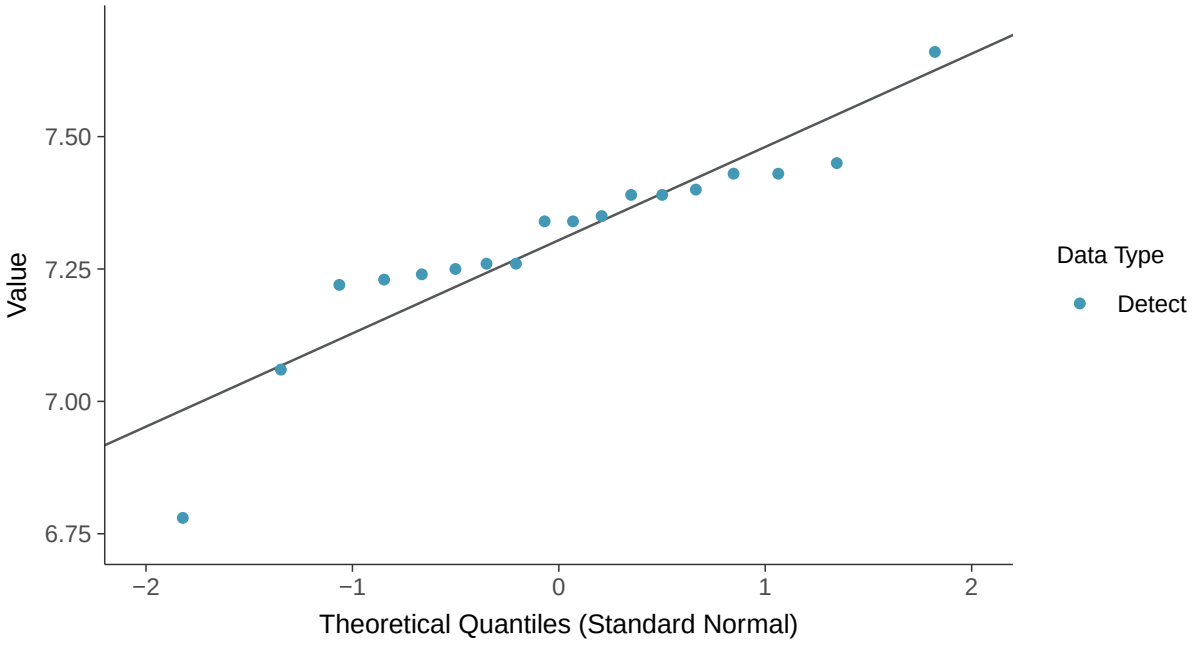
Boxplot by Season

pH (field), MW-04 (su)



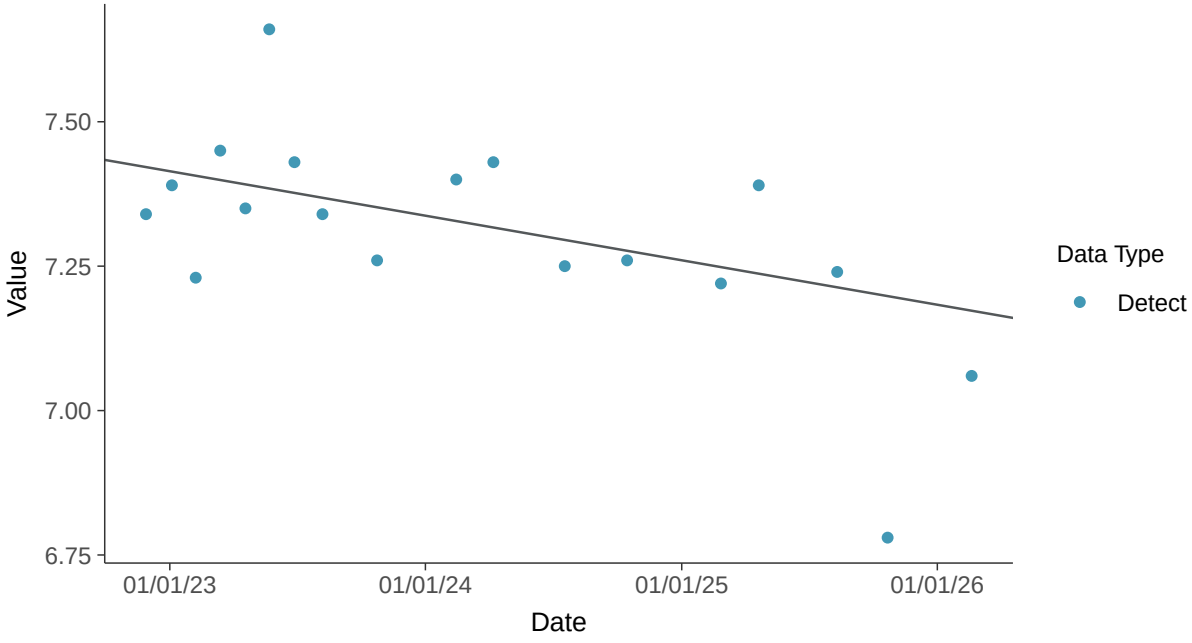
Normal Q-Q plot

pH (field), MW-04 (su)



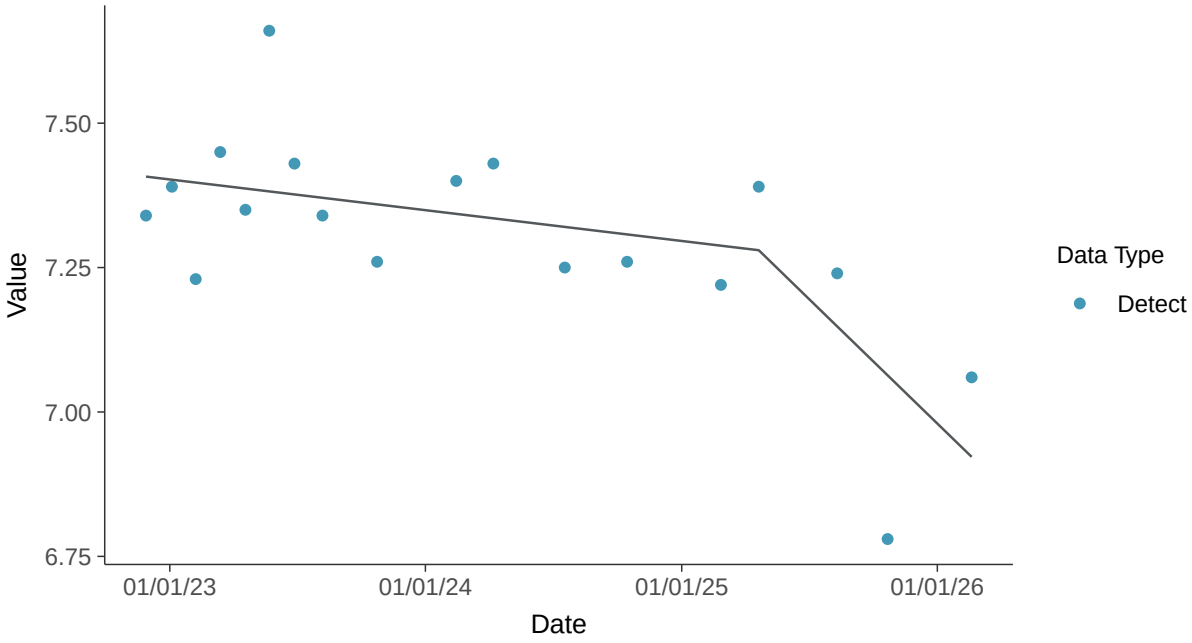
Trend Regression: Mann-Kendall/Theil-Sen Estimate

pH (field), MW-04 (su)



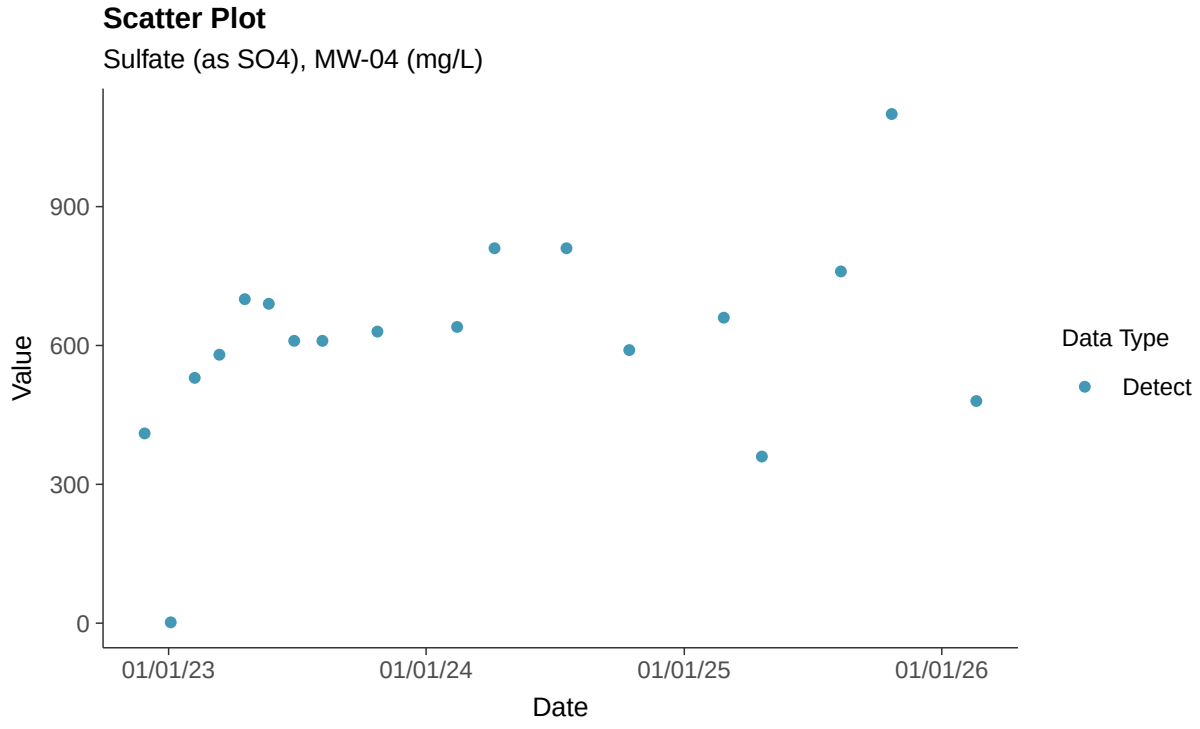
Trend Regression: Piecewise Linear-Linear

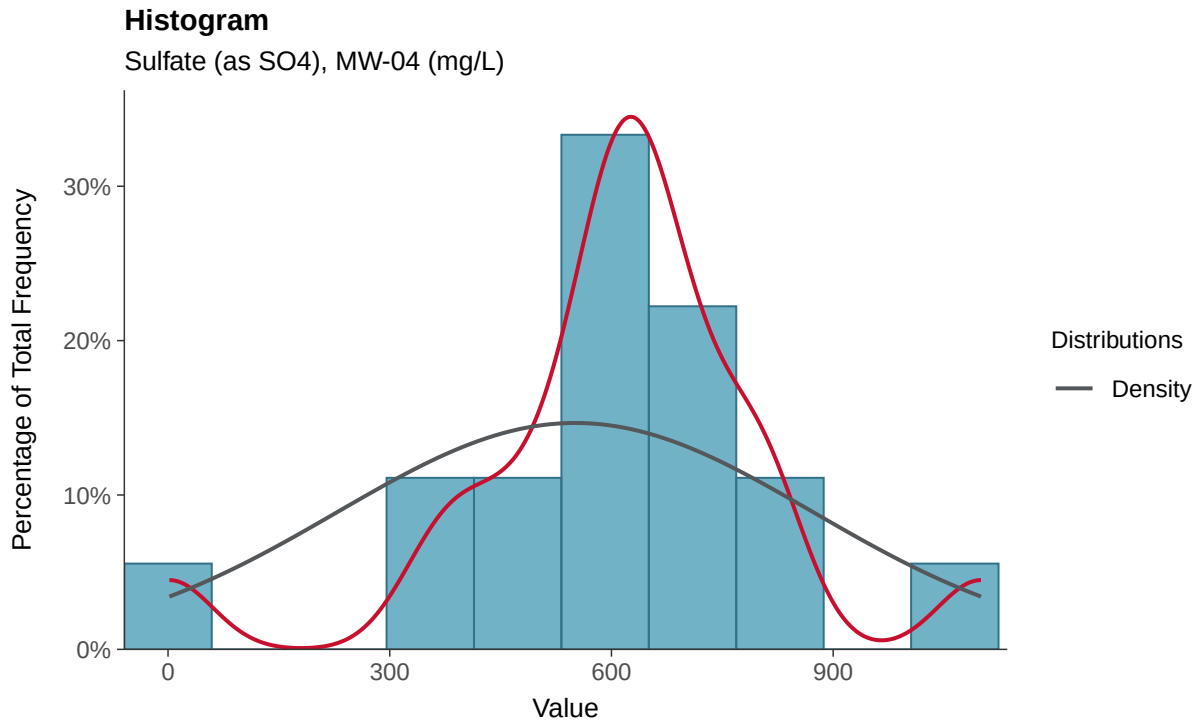
pH (field), MW-04 (su)



Appendix III: Sulfate (as SO4), MW-04

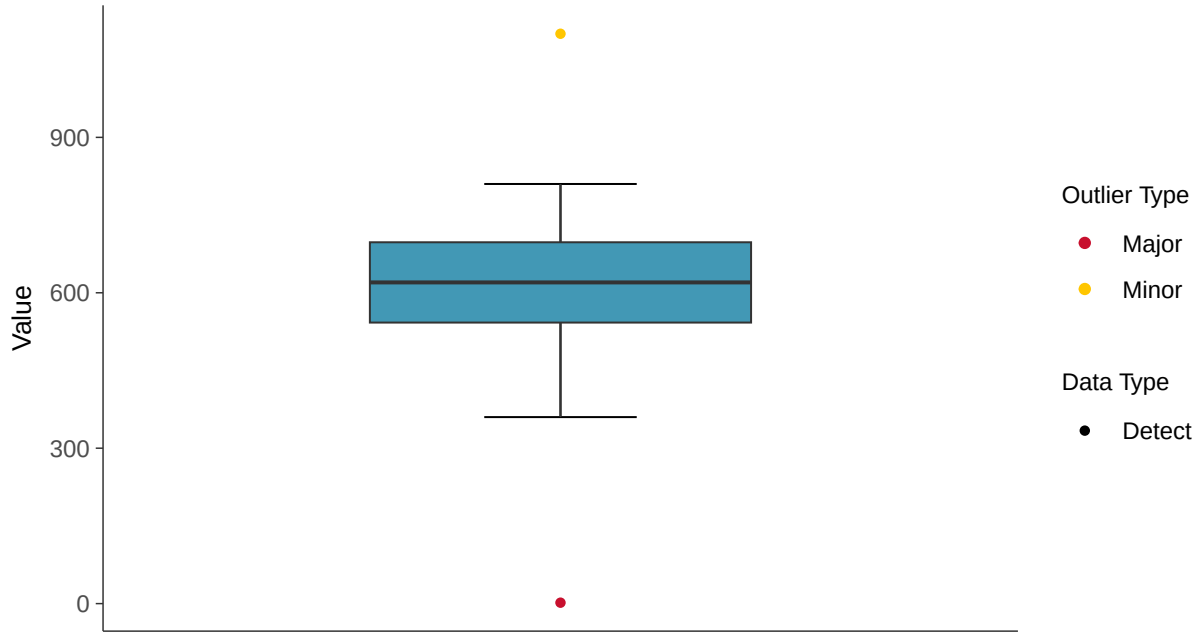
ID: 14_2_3_124





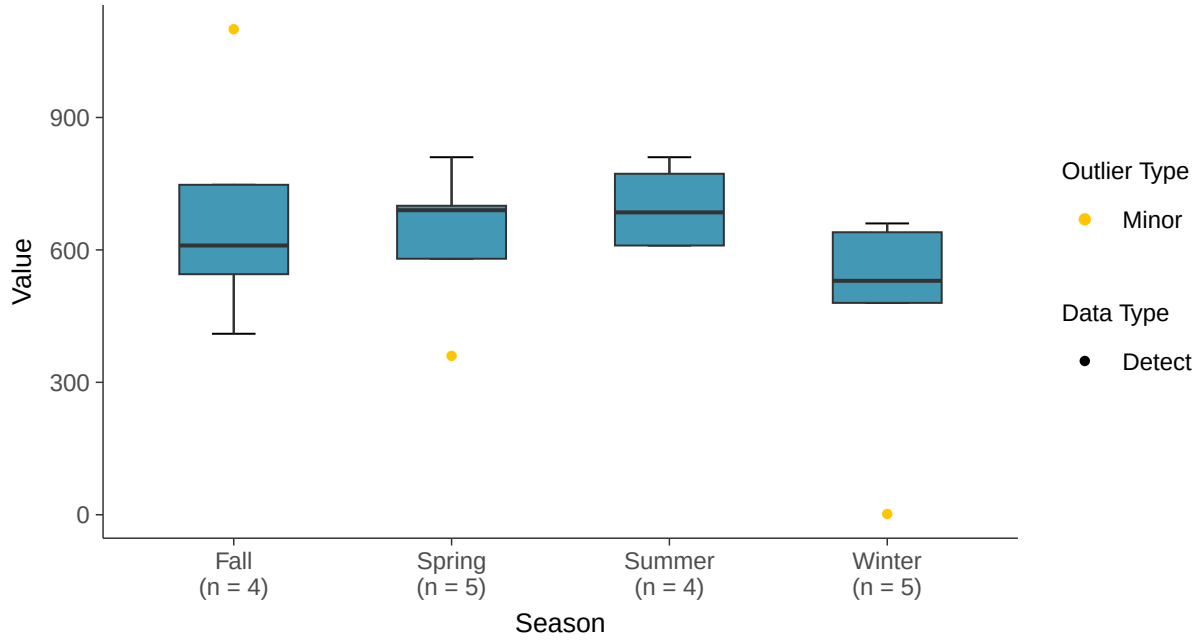
Boxplot

Sulfate (as SO4), MW-04 (mg/L)



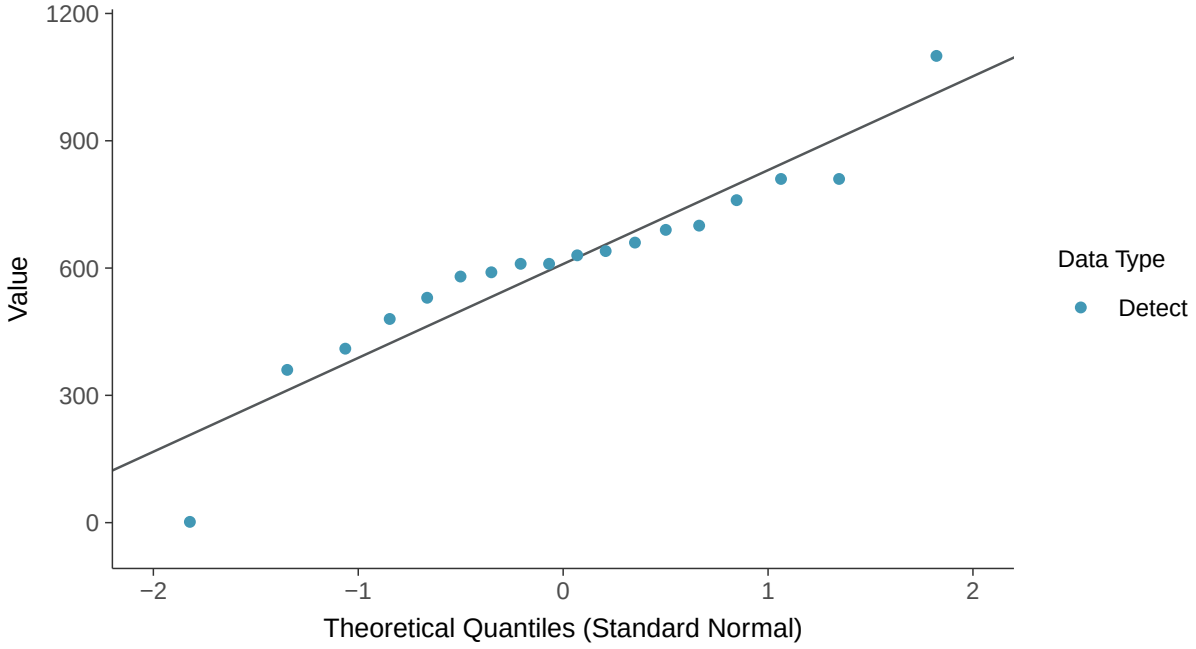
Boxplot by Season

Sulfate (as SO4), MW-04 (mg/L)



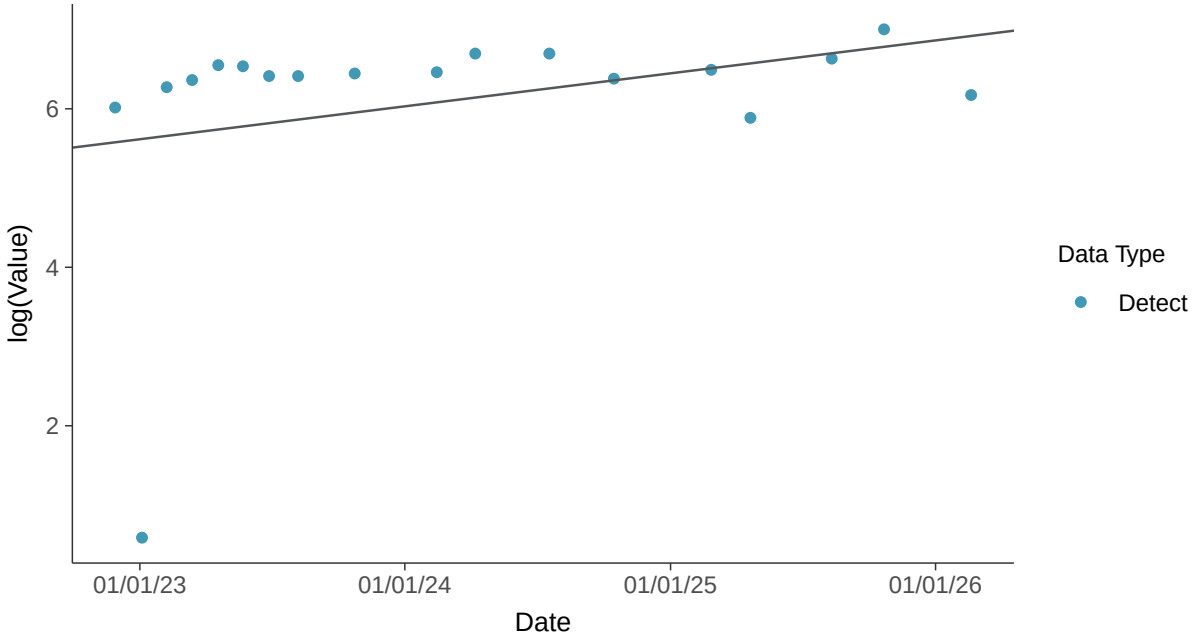
Normal Q-Q plot

Sulfate (as SO4), MW-04 (mg/L)



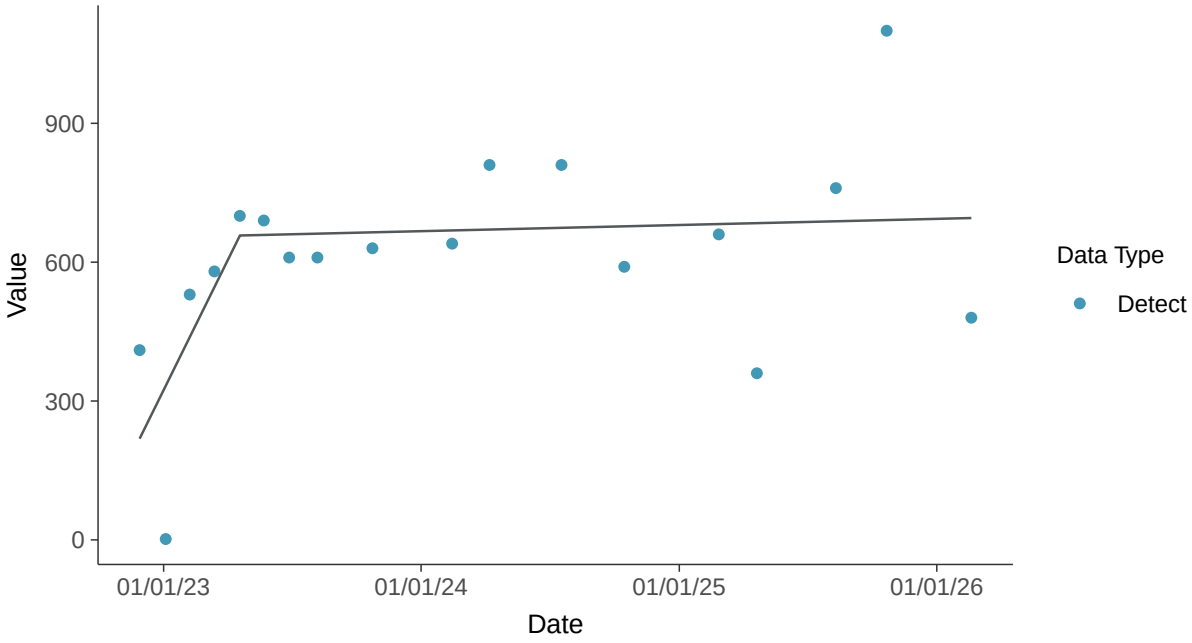
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-04 (mg/L)



Trend Regression: Piecewise Linear-Linear

Sulfate (as SO4), MW-04 (mg/L)

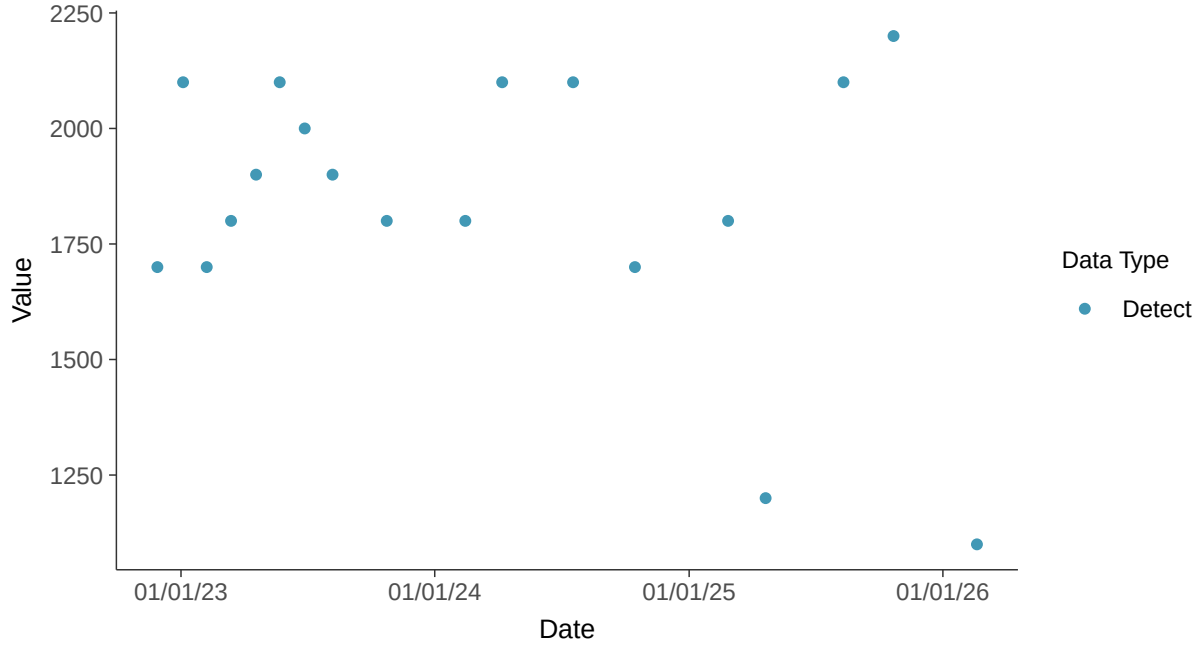


Appendix III: Total Dissolved Solids, MW-04

ID: 14_2_3_126

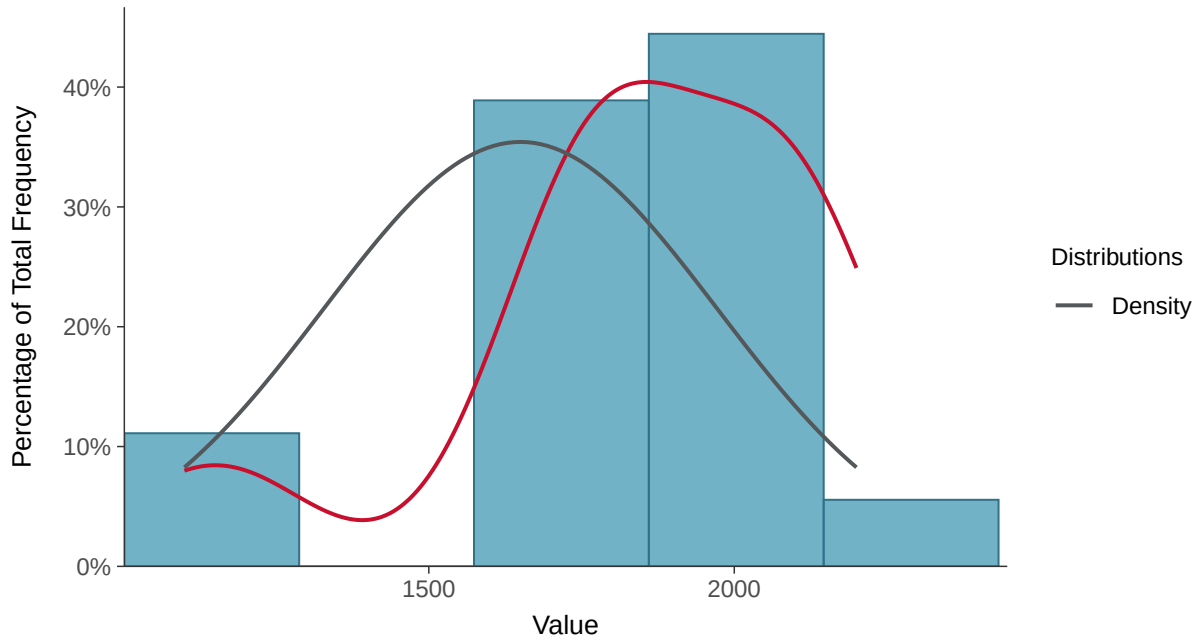
Scatter Plot

Total Dissolved Solids, MW-04 (mg/L)



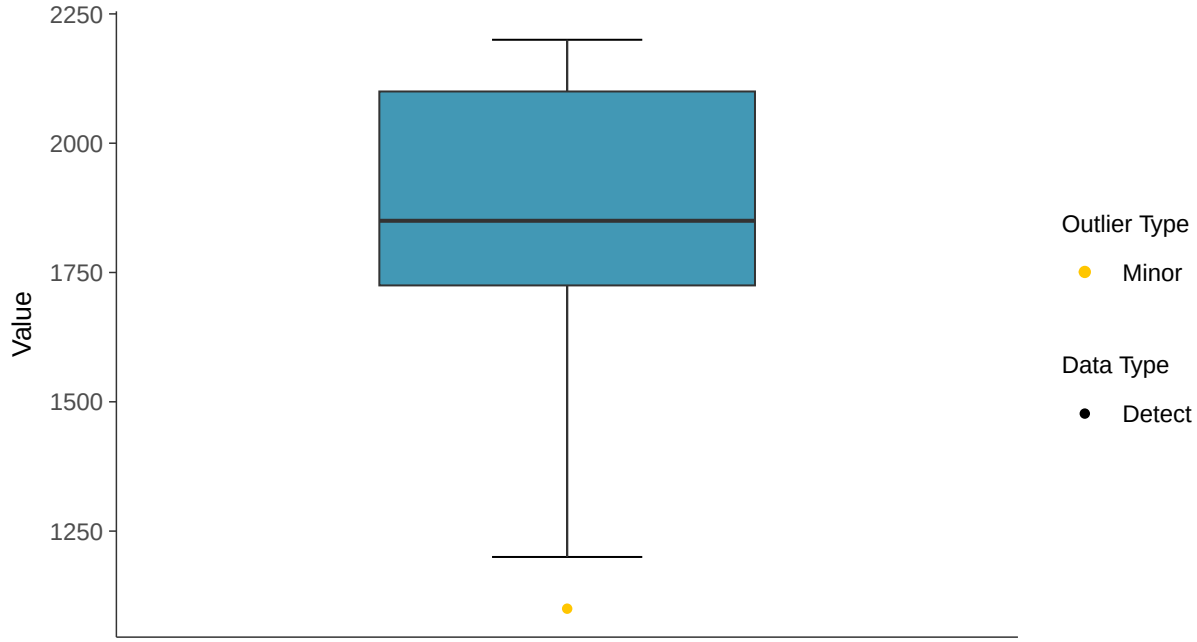
Histogram

Total Dissolved Solids, MW-04 (mg/L)



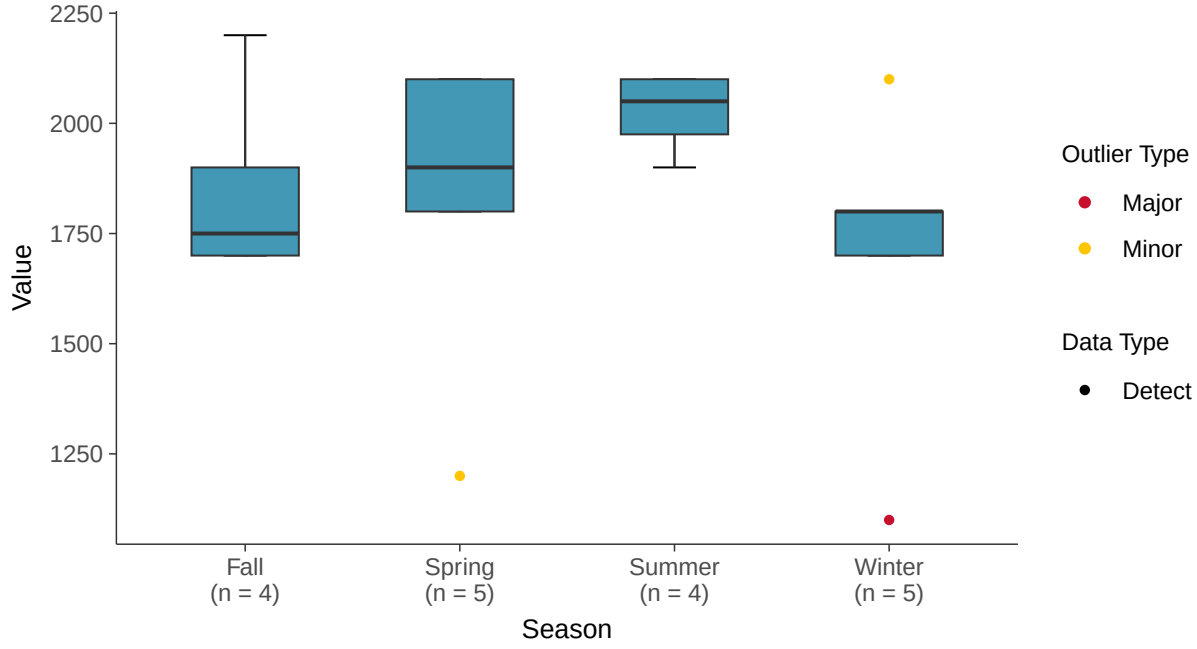
Boxplot

Total Dissolved Solids, MW-04 (mg/L)



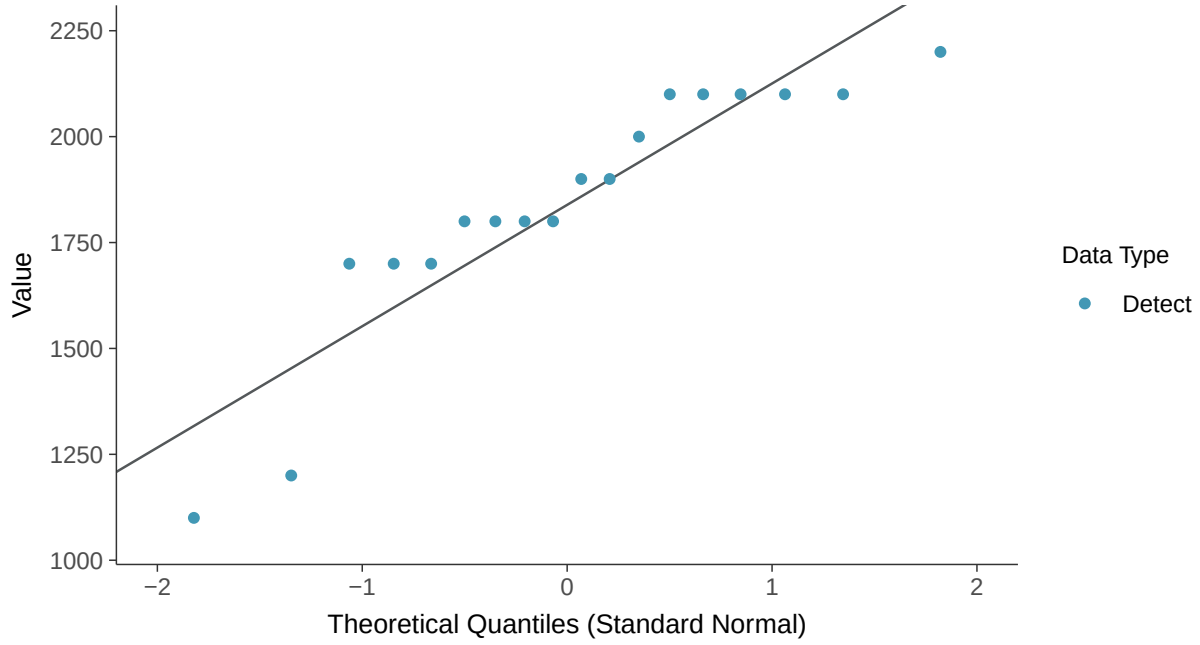
Boxplot by Season

Total Dissolved Solids, MW-04 (mg/L)



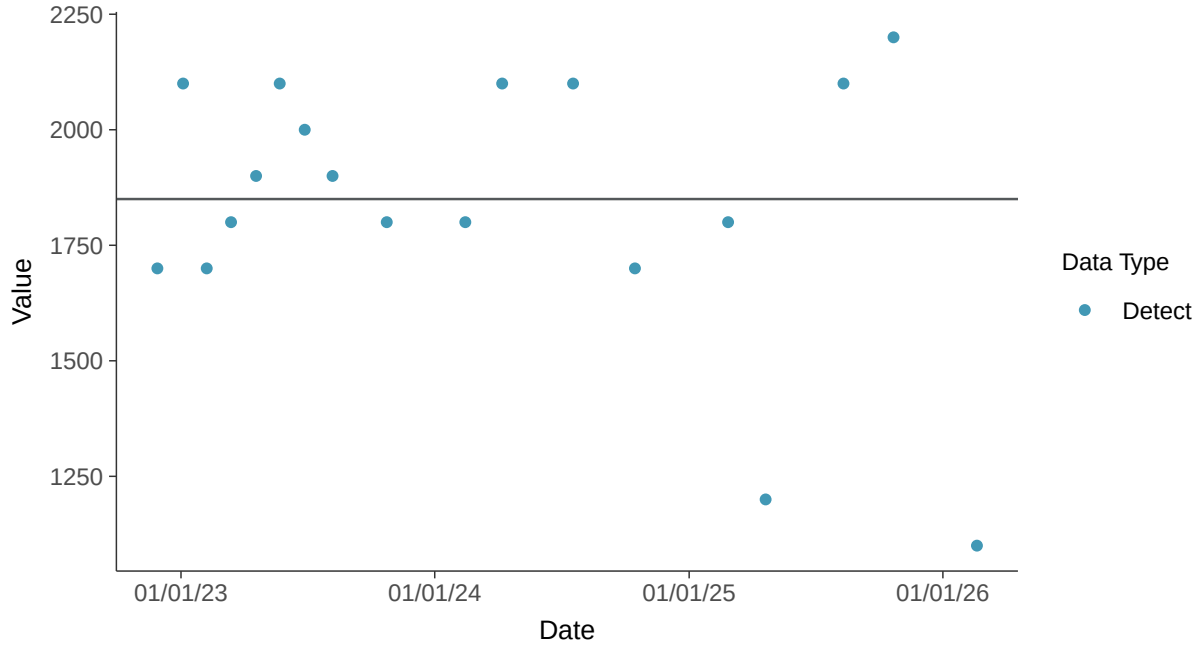
Normal Q-Q plot

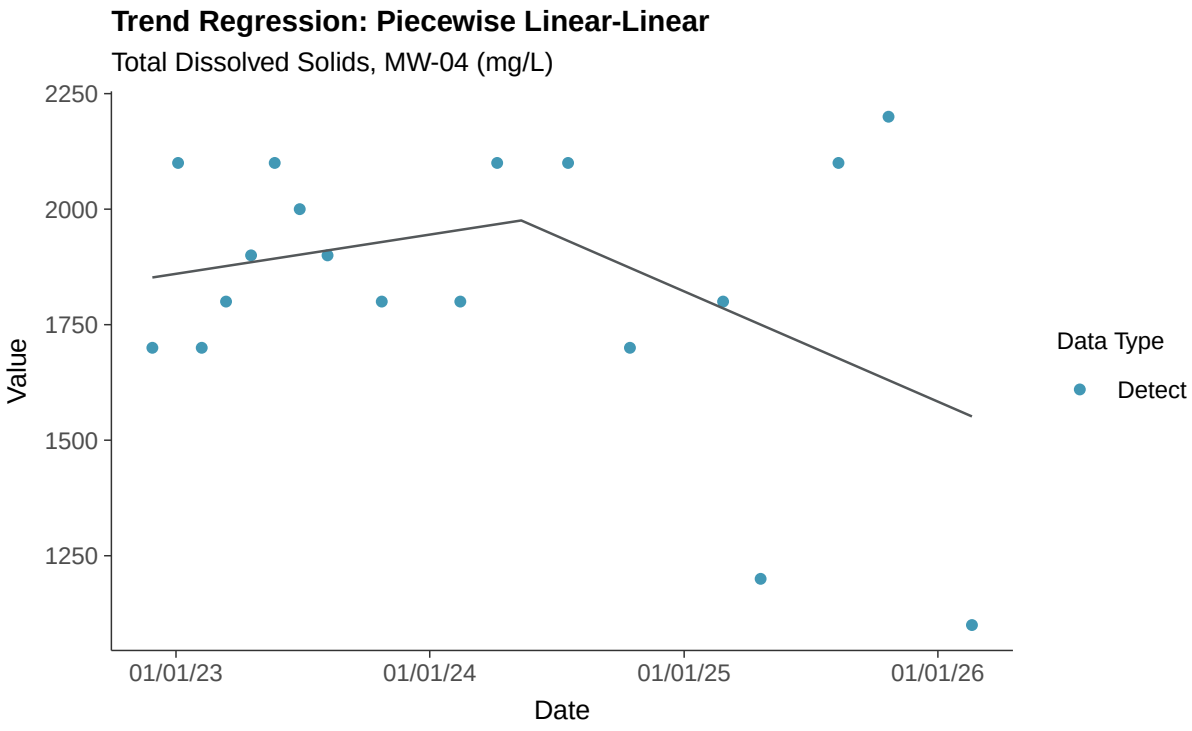
Total Dissolved Solids, MW-04 (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

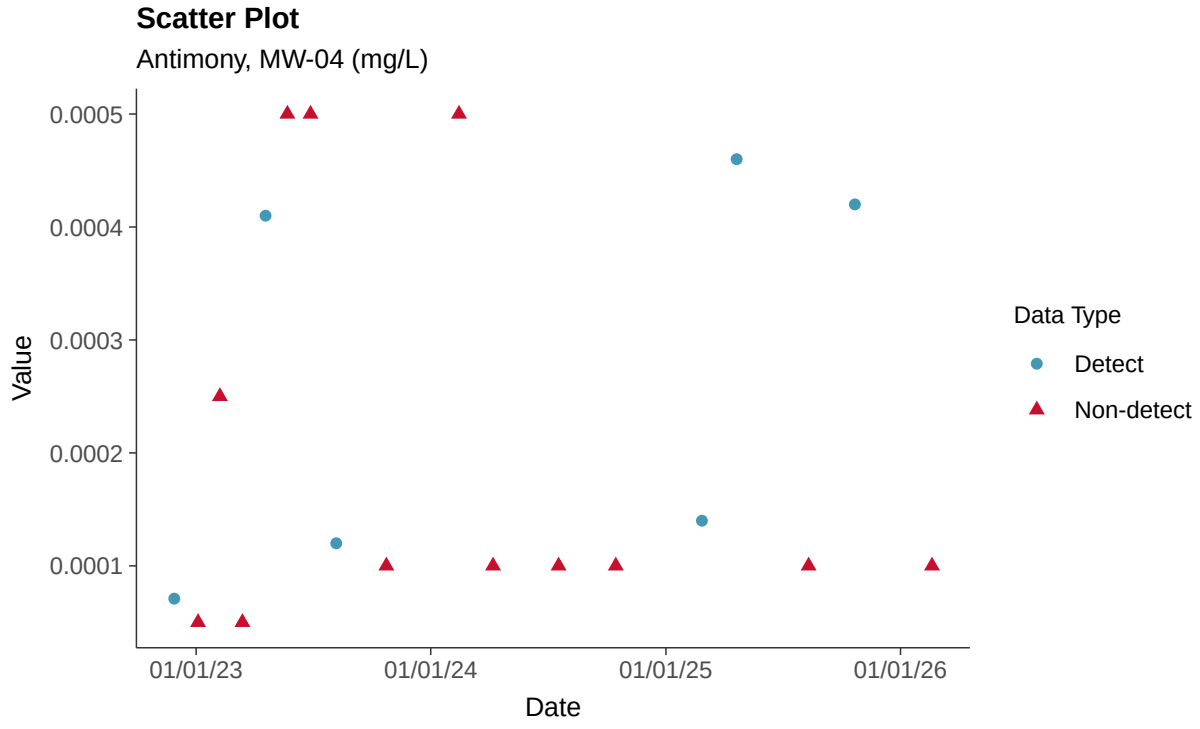
Total Dissolved Solids, MW-04 (mg/L)

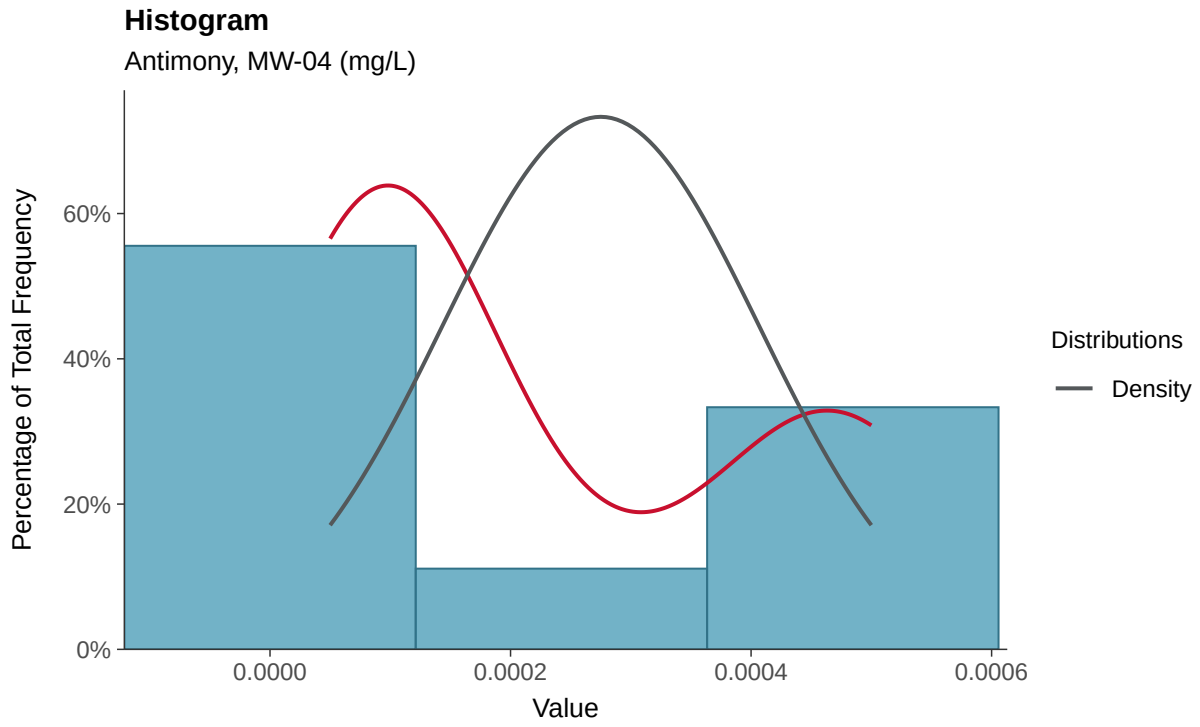



Trend Regression: Piecewise Linear-Linear
Total Dissolved Solids, MW-04 (mg/L)
Value
2250
2000
1750
1500
1250
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Antimony, MW-04

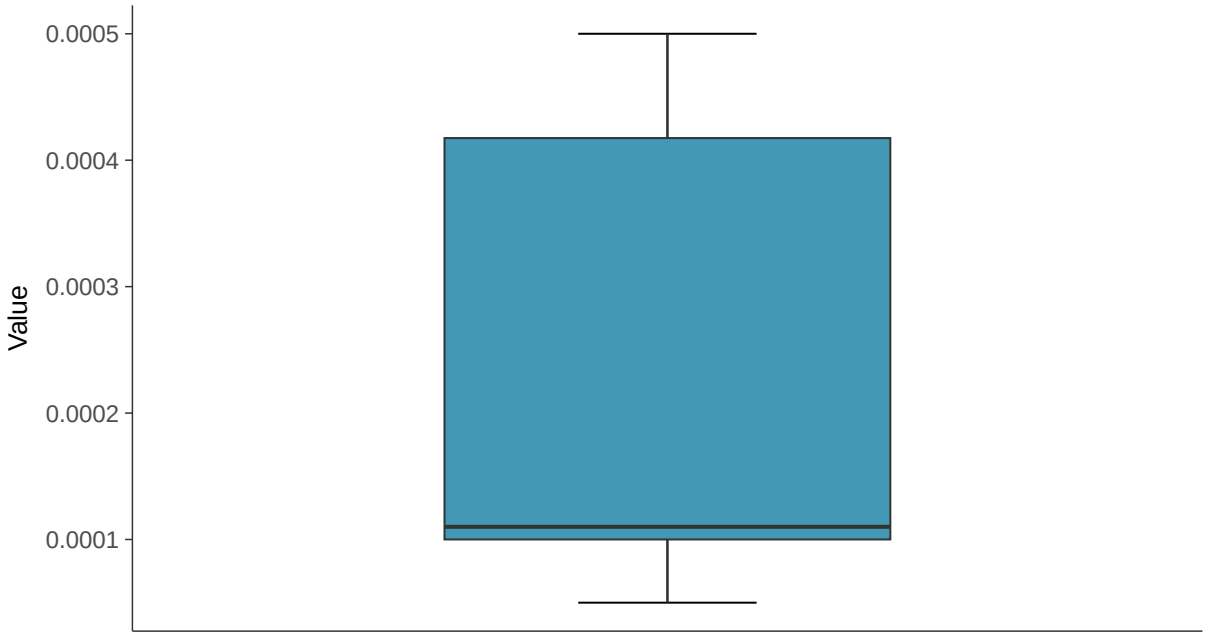
ID: 14_2_4_101





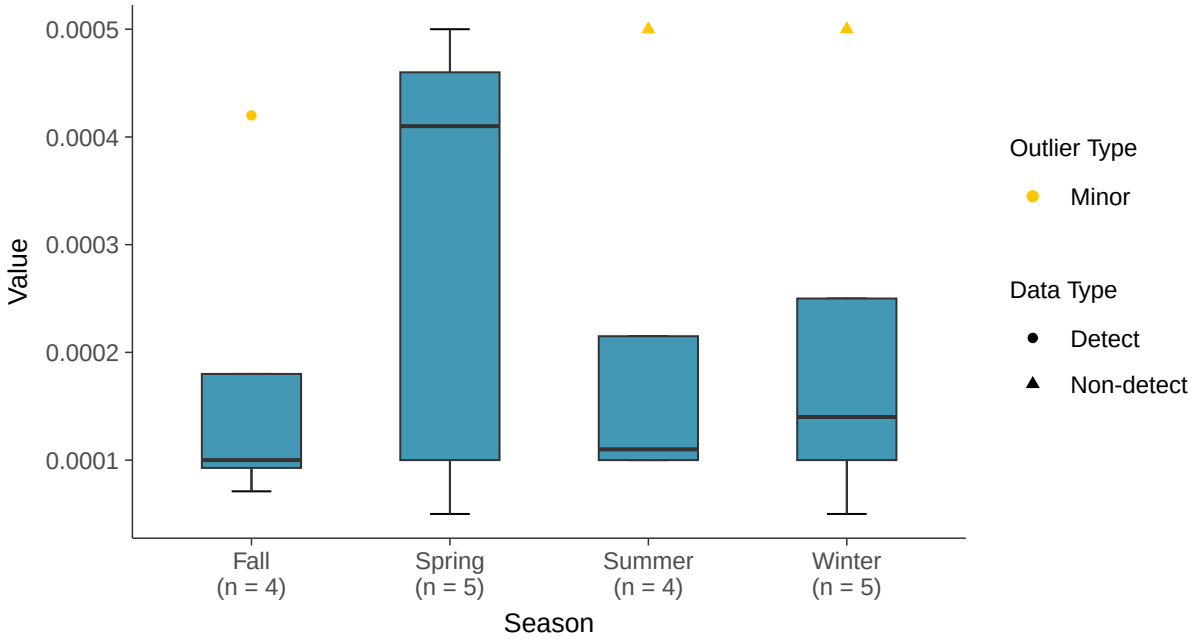
Boxplot

Antimony, MW-04 (mg/L)



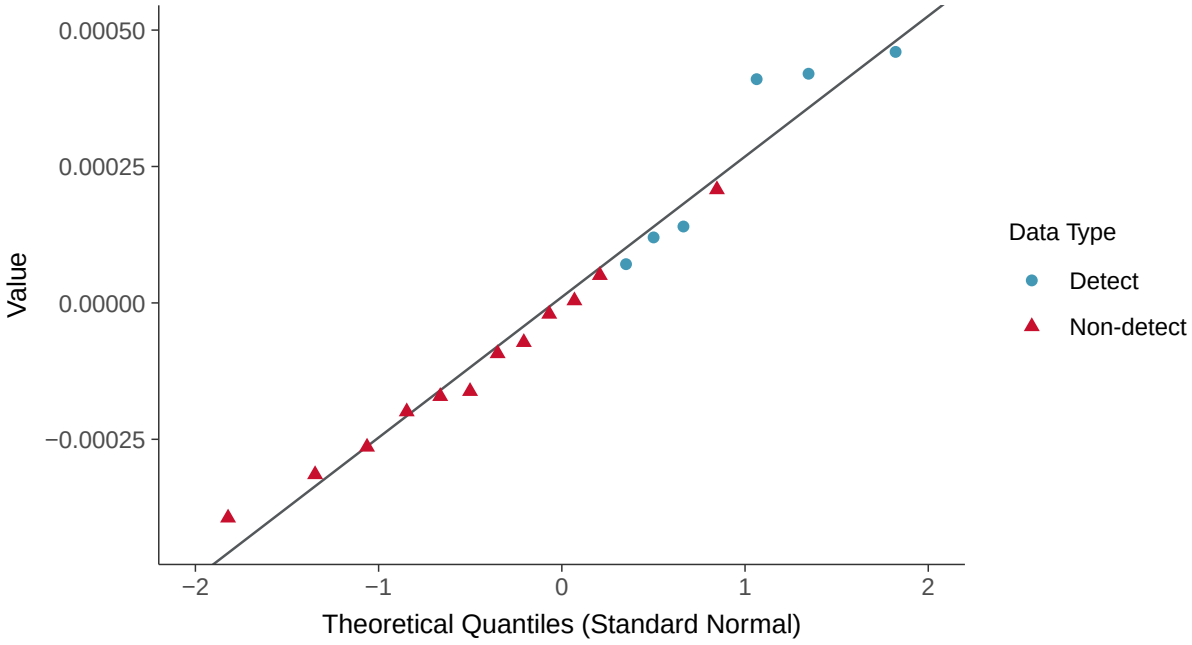
Boxplot by Season

Antimony, MW-04 (mg/L)



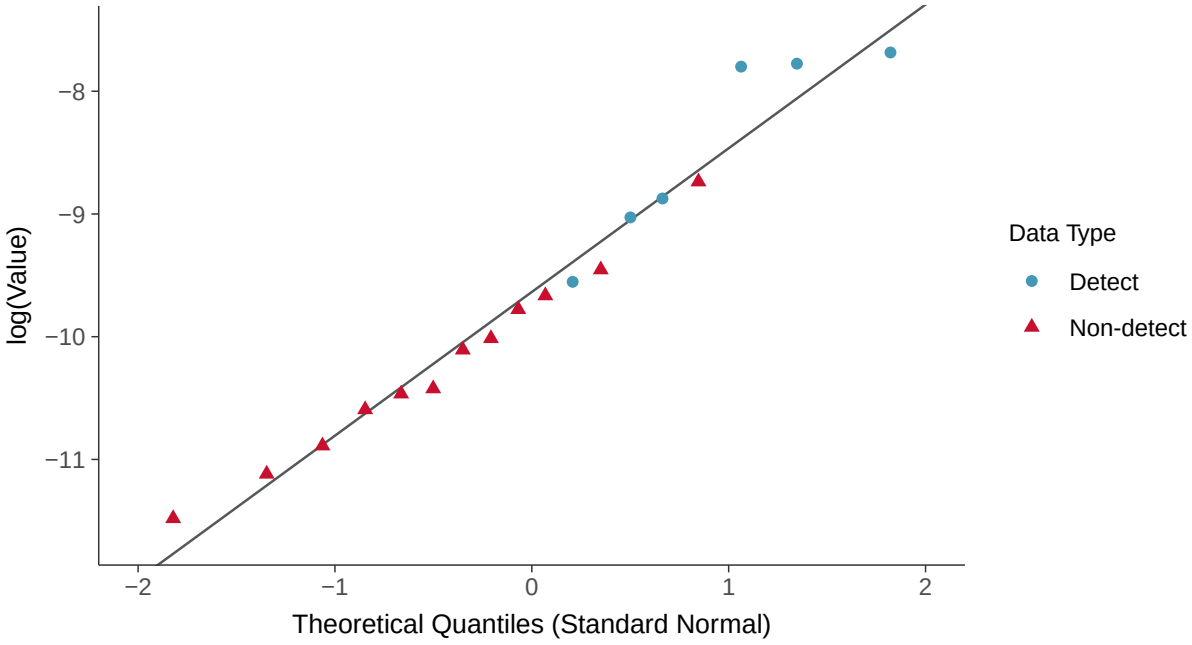
Normal Q-Q plot using ROS Imputed Estimates

Antimony, MW-04 (mg/L)



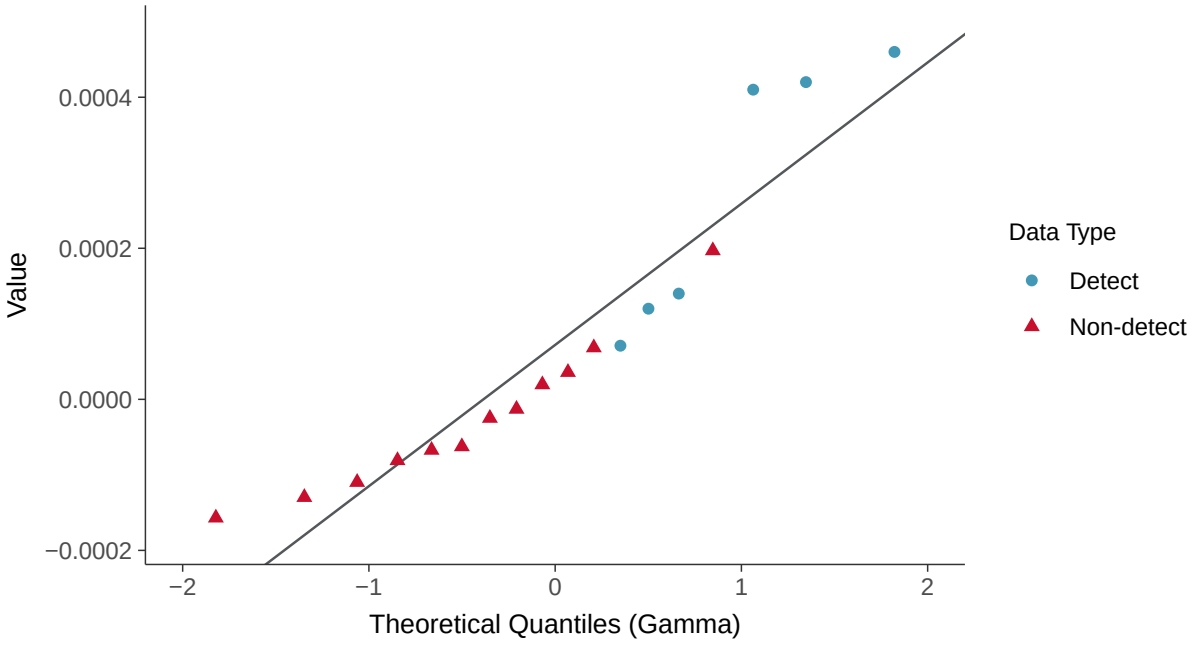
Lognormal Q-Q plot using ROS Imputed Estimates

Antimony, MW-04 (mg/L)



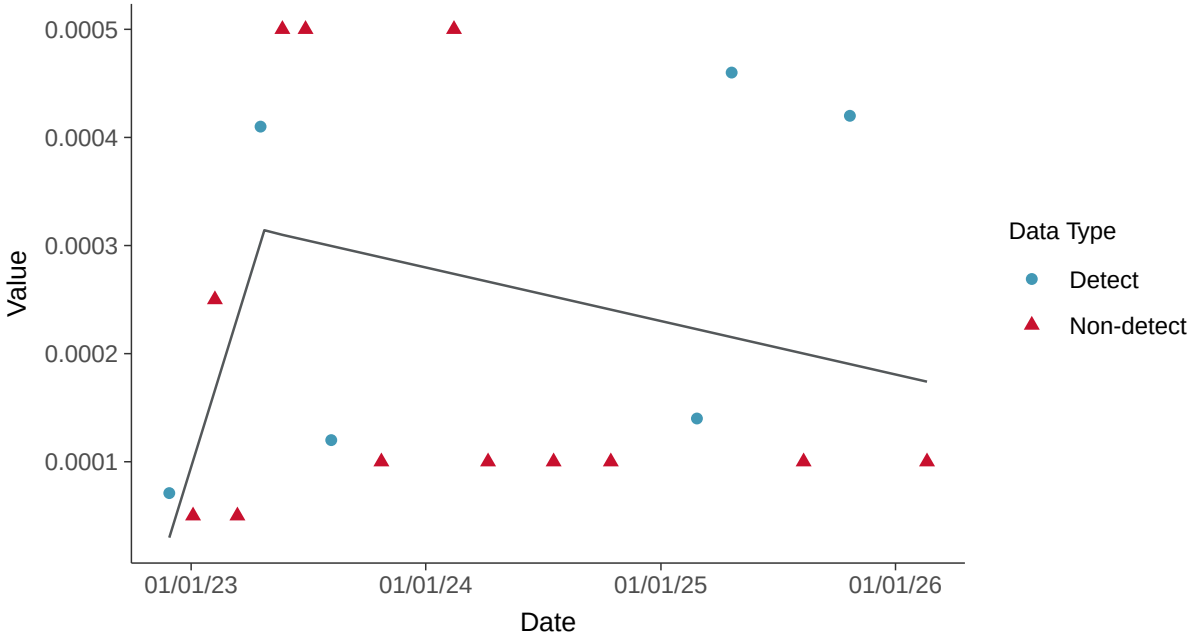
Gamma Q-Q plot using ROS Imputed Estimates

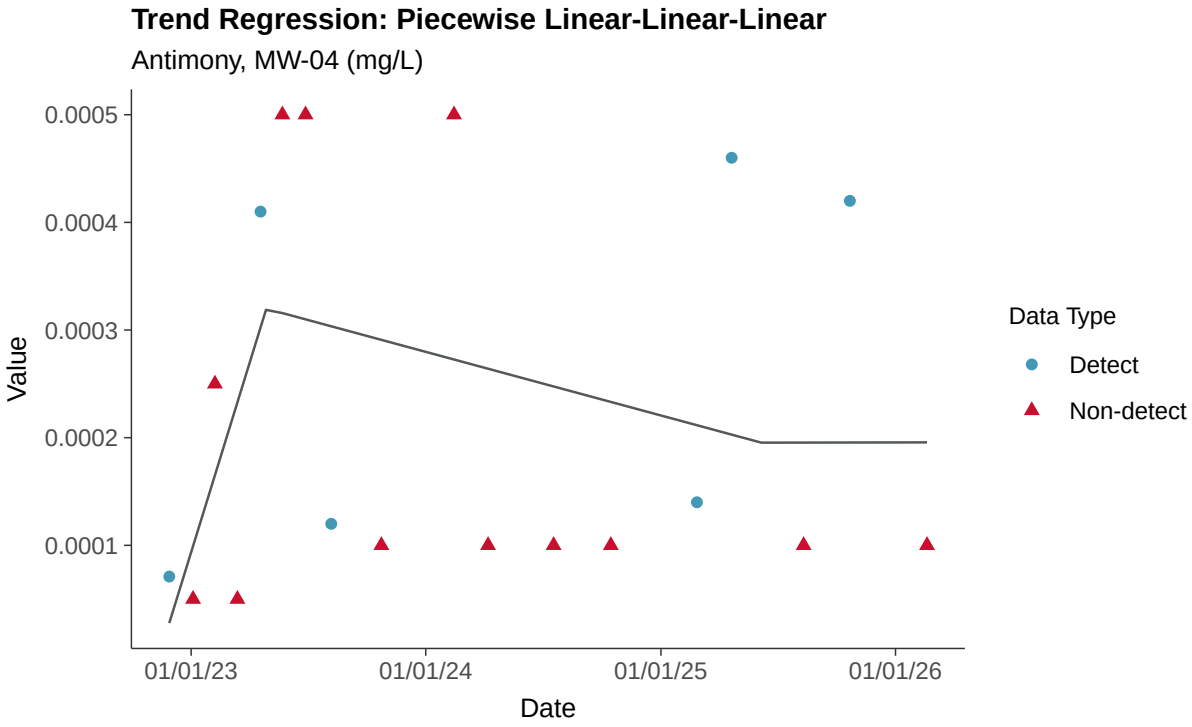
Antimony, MW-04 (mg/L)



Trend Regression: Piecewise Linear-Linear

Antimony, MW-04 (mg/L)



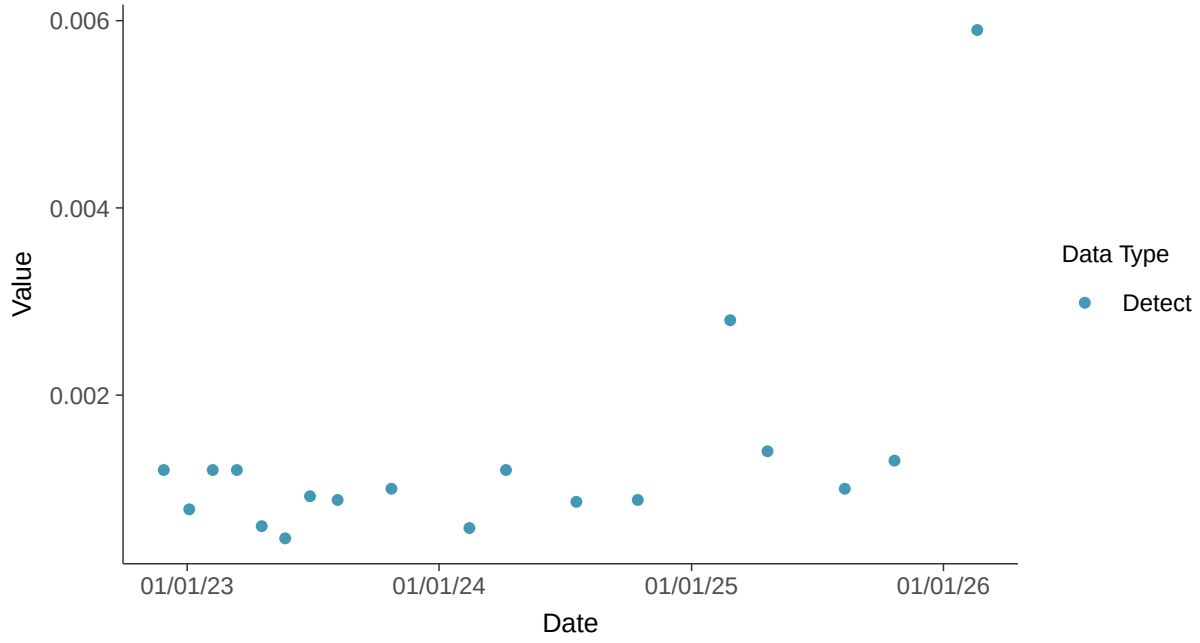

Trend Regression: Piecewise Linear-Linear-Linear
Antimony, MW-04 (mg/L)
0.0005
0.0004
0.0003
0.0002
0.0001
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Arsenic, MW-04

ID: 14_2_4_102

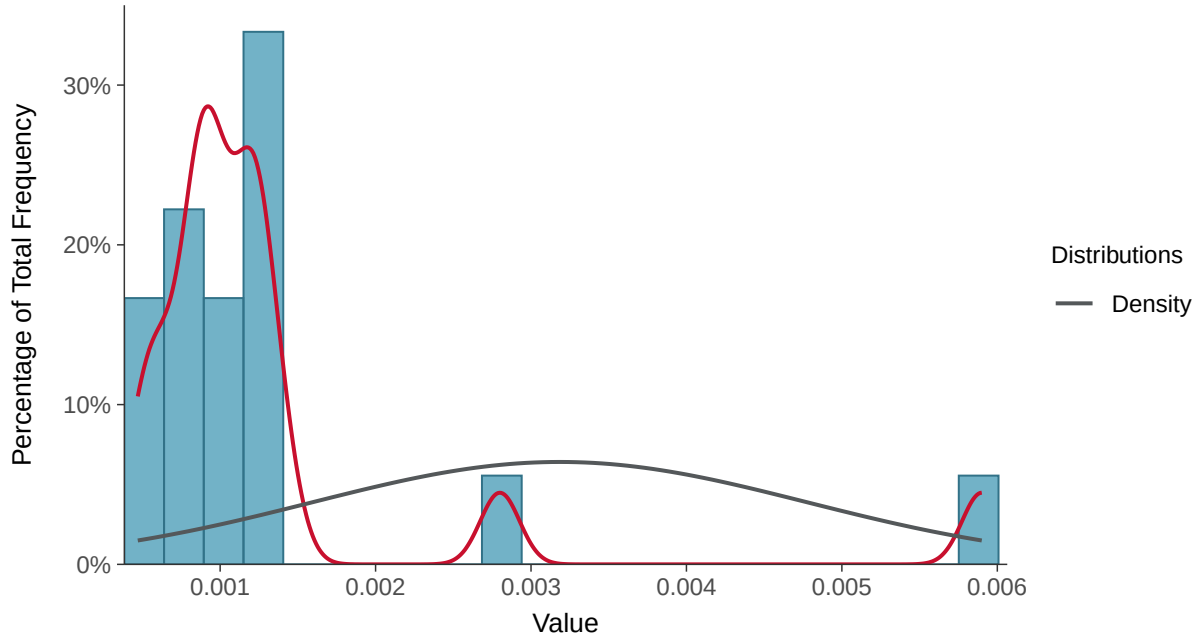
Scatter Plot

Arsenic, MW-04 (mg/L)



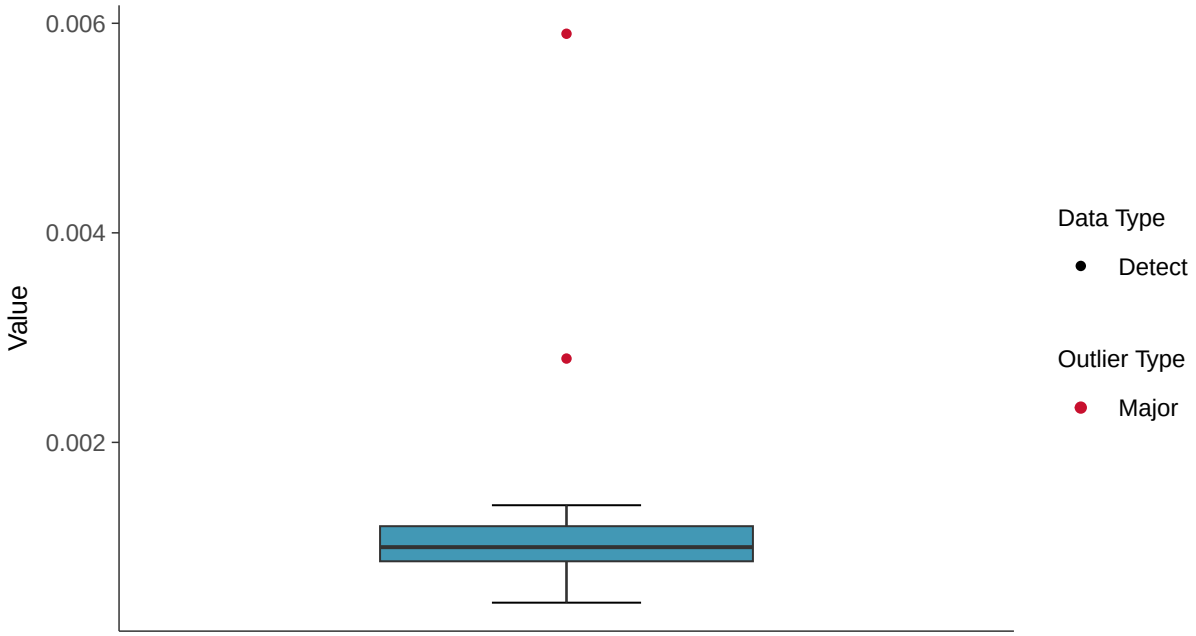
Histogram

Arsenic, MW-04 (mg/L)



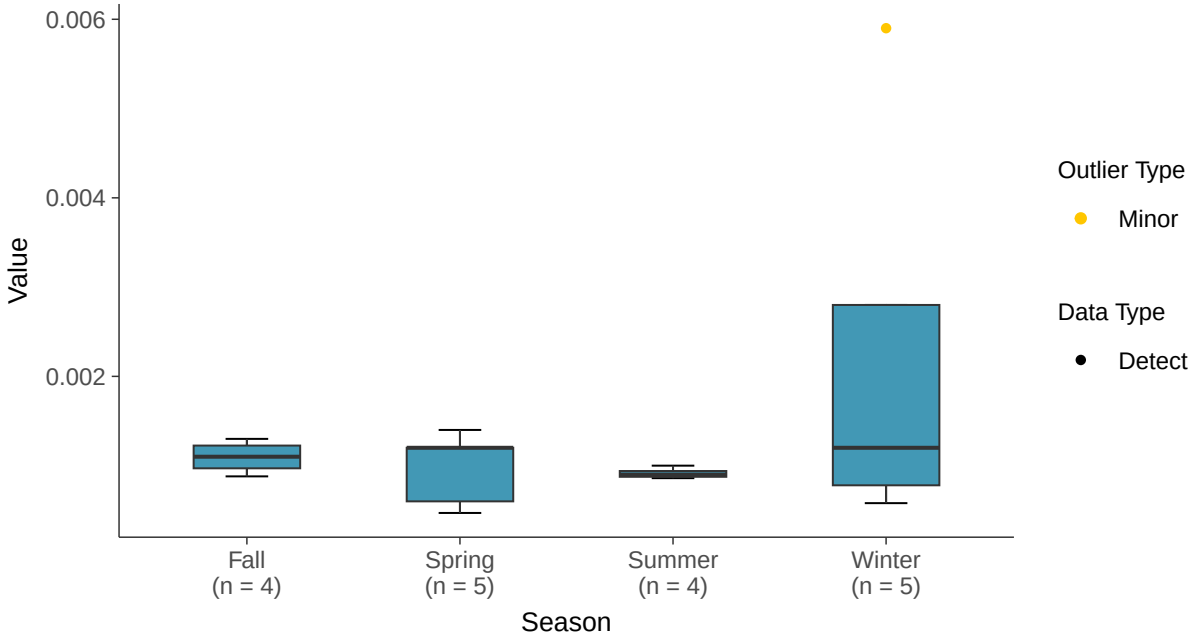
Boxplot

Arsenic, MW-04 (mg/L)



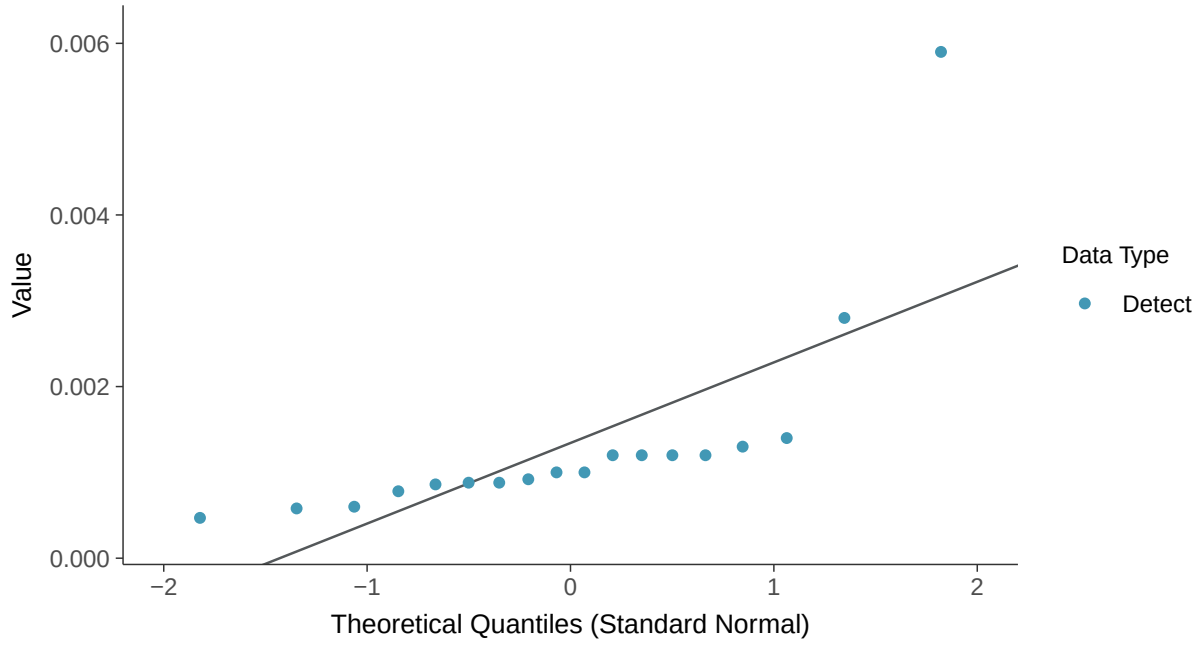
Boxplot by Season

Arsenic, MW-04 (mg/L)



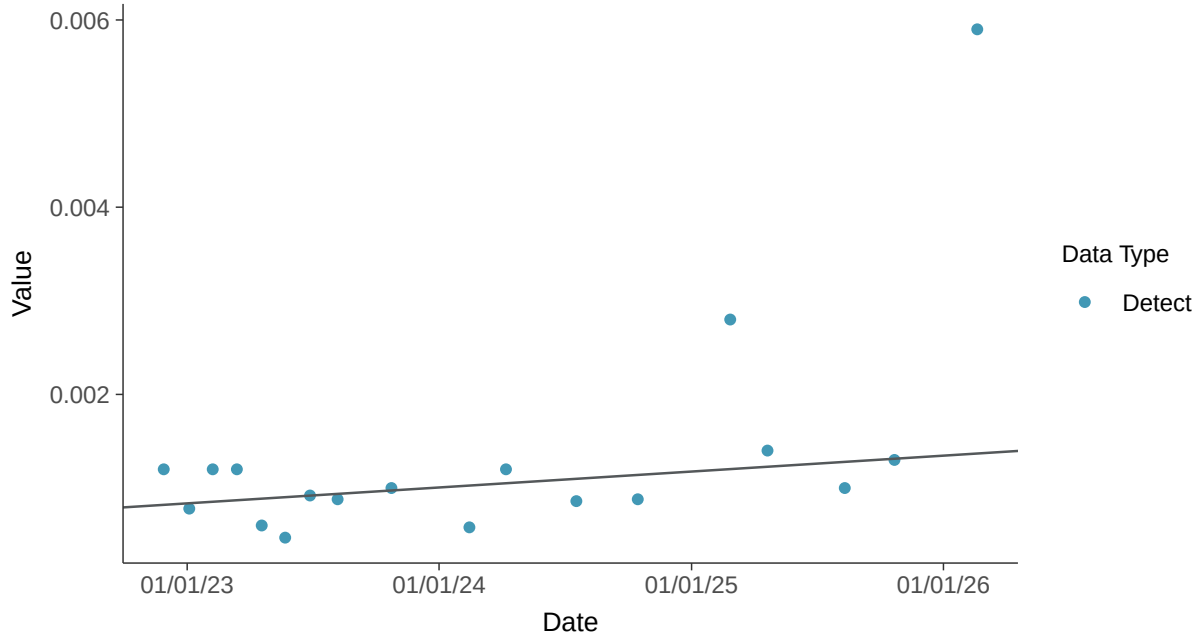
Normal Q-Q plot

Arsenic, MW-04 (mg/L)



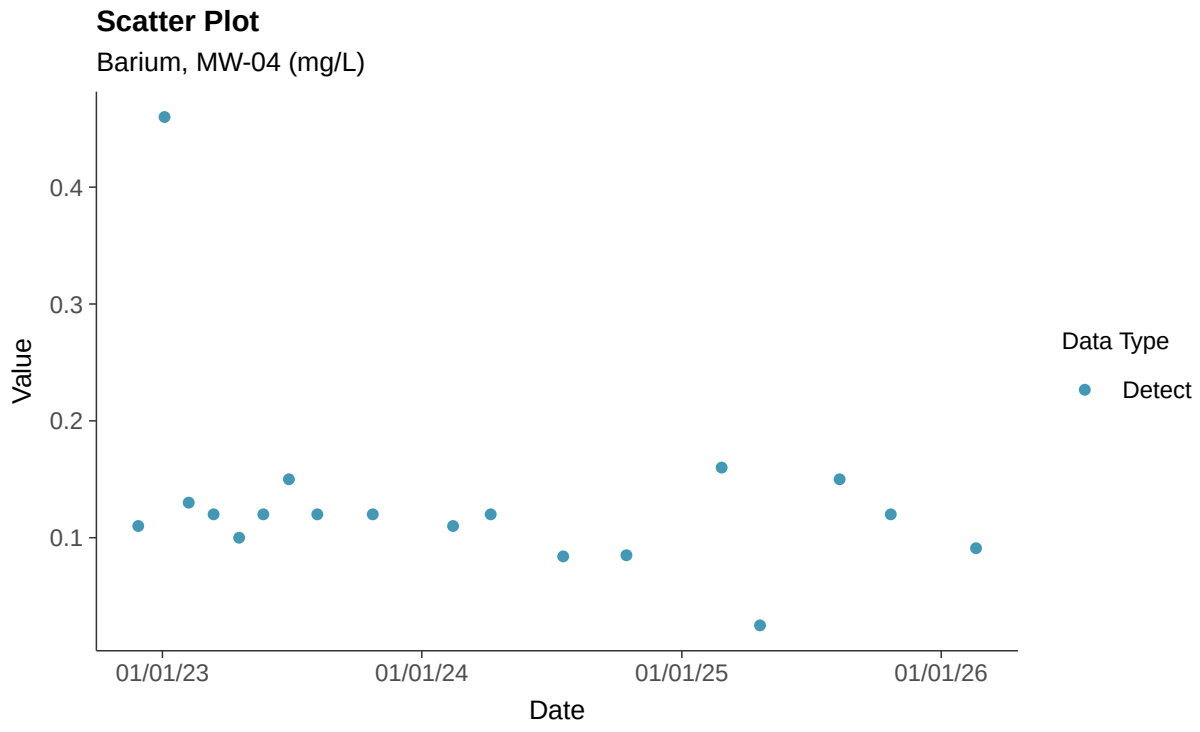
Trend Regression: Mann-Kendall/Theil-Sen Estimate

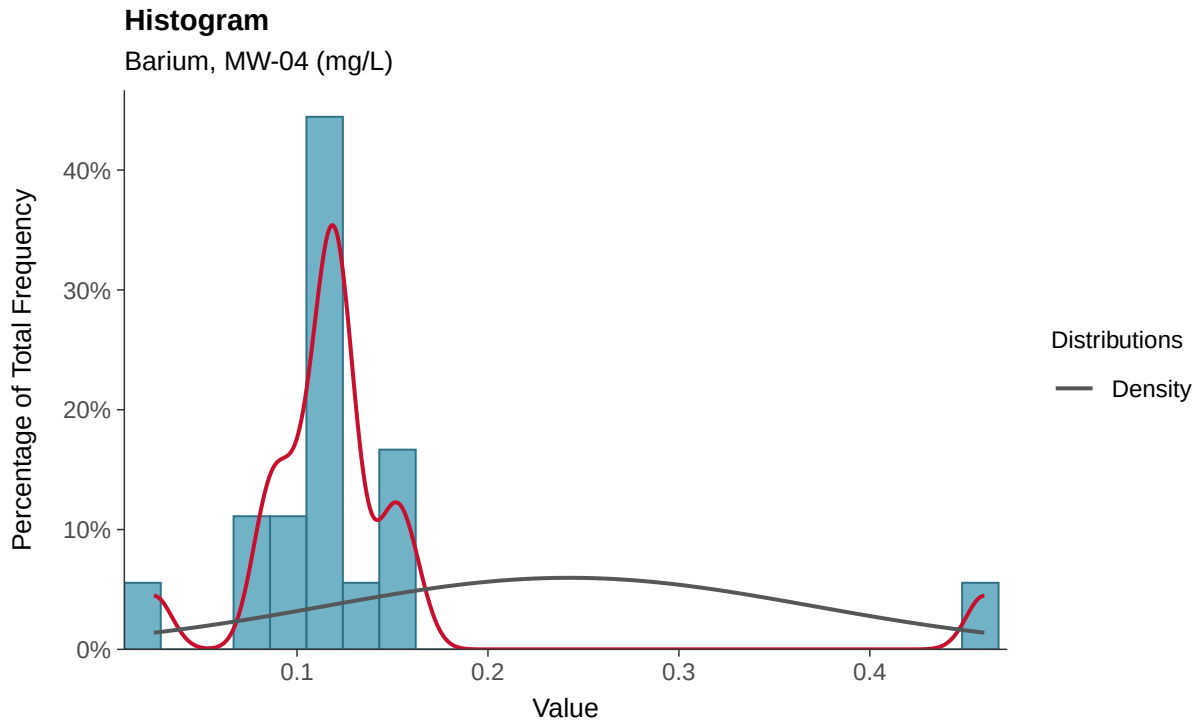
Arsenic, MW-04 (mg/L)



Appendix IV: Barium, MW-04

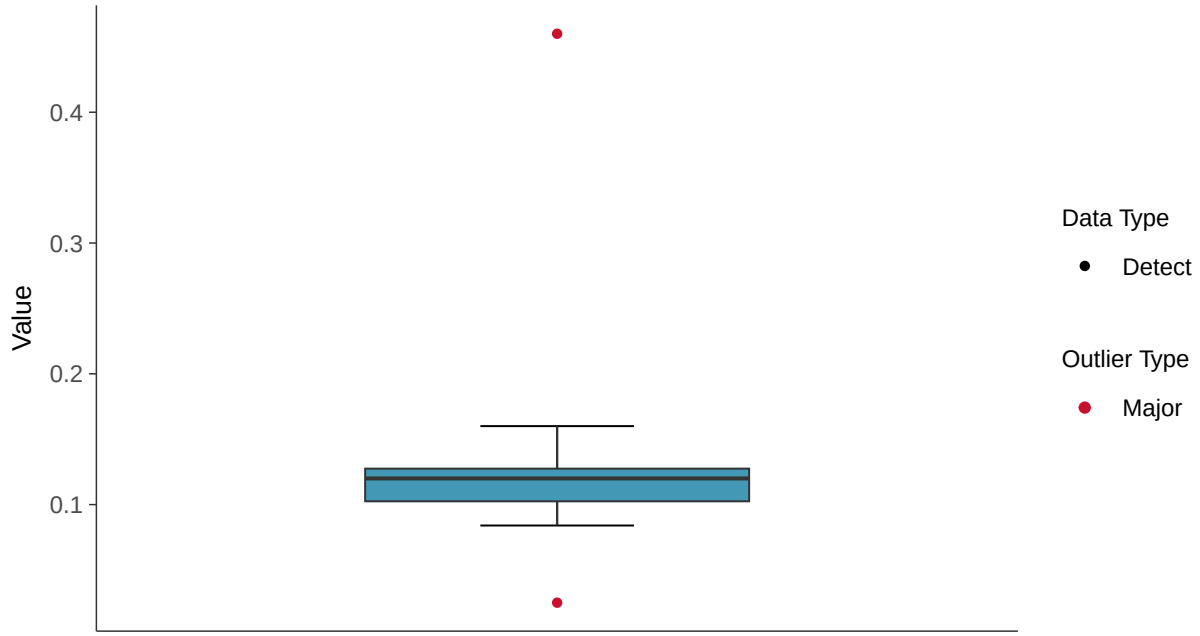
ID: 14_2_4_103





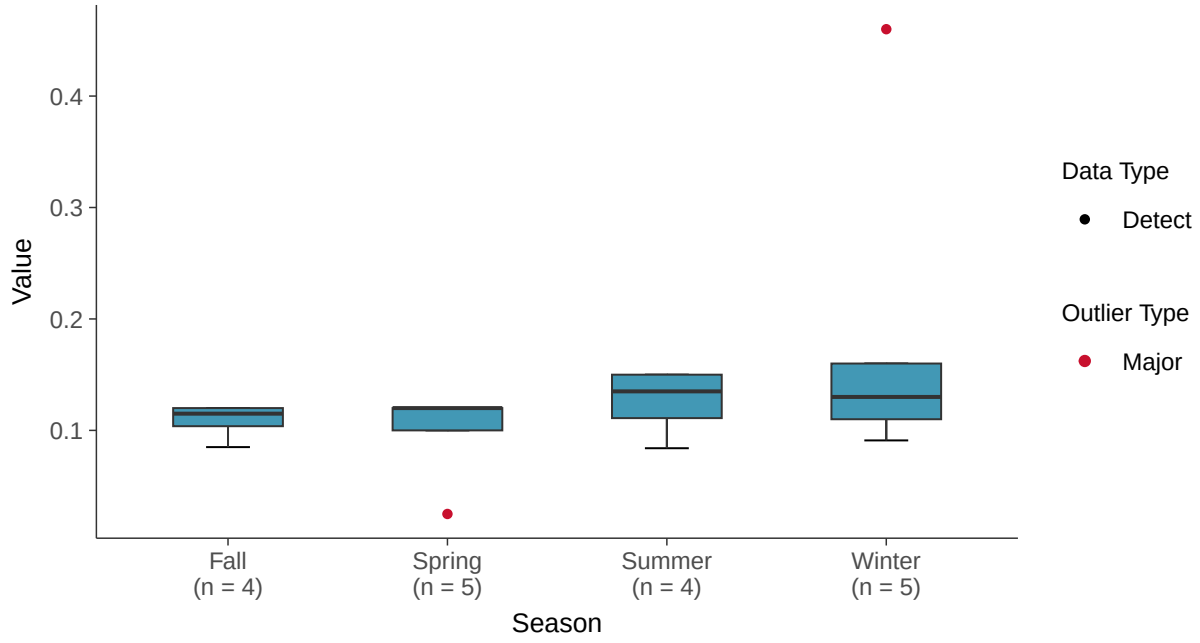
Boxplot

Barium, MW-04 (mg/L)



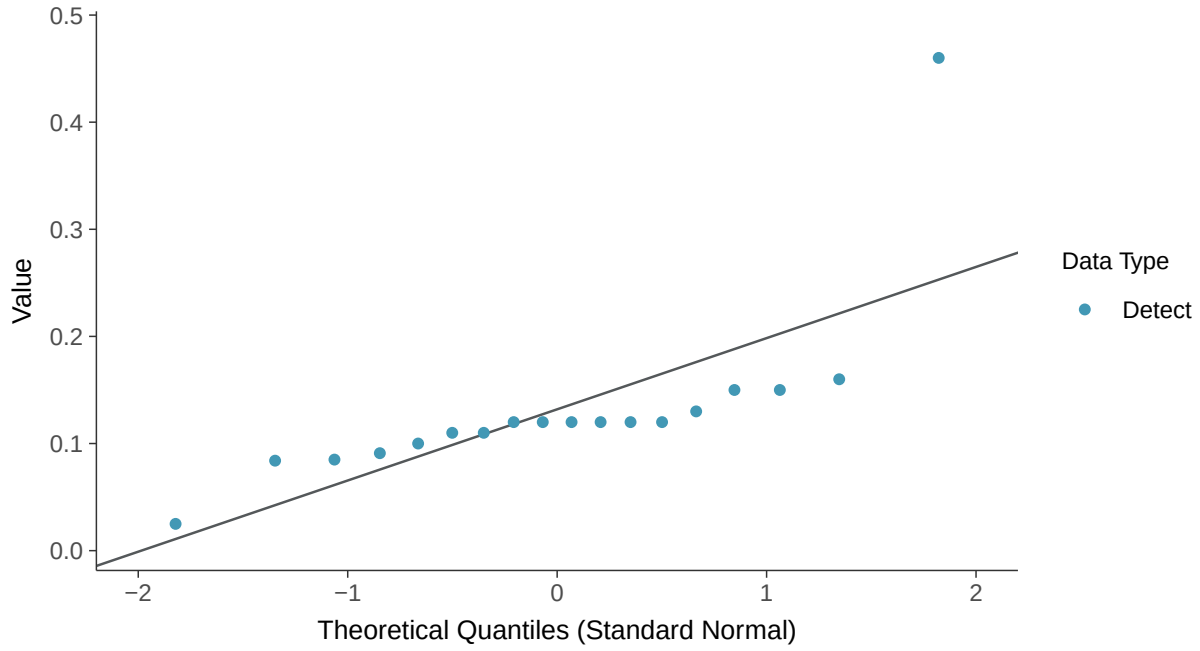
Boxplot by Season

Barium, MW-04 (mg/L)



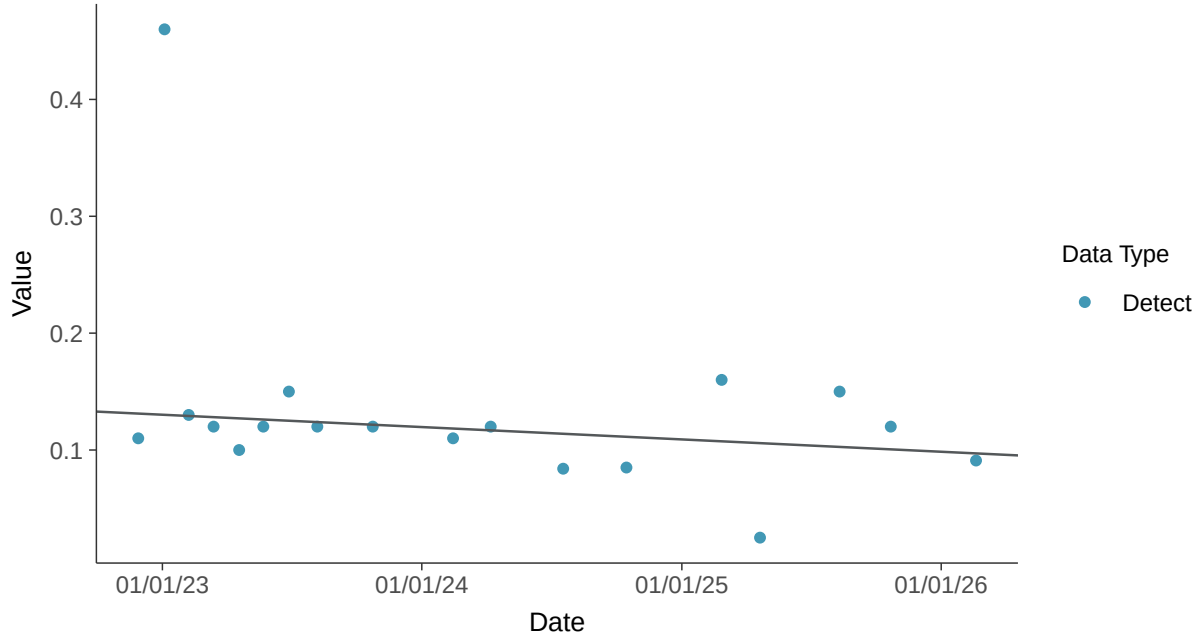
Normal Q-Q plot

Barium, MW-04 (mg/L)



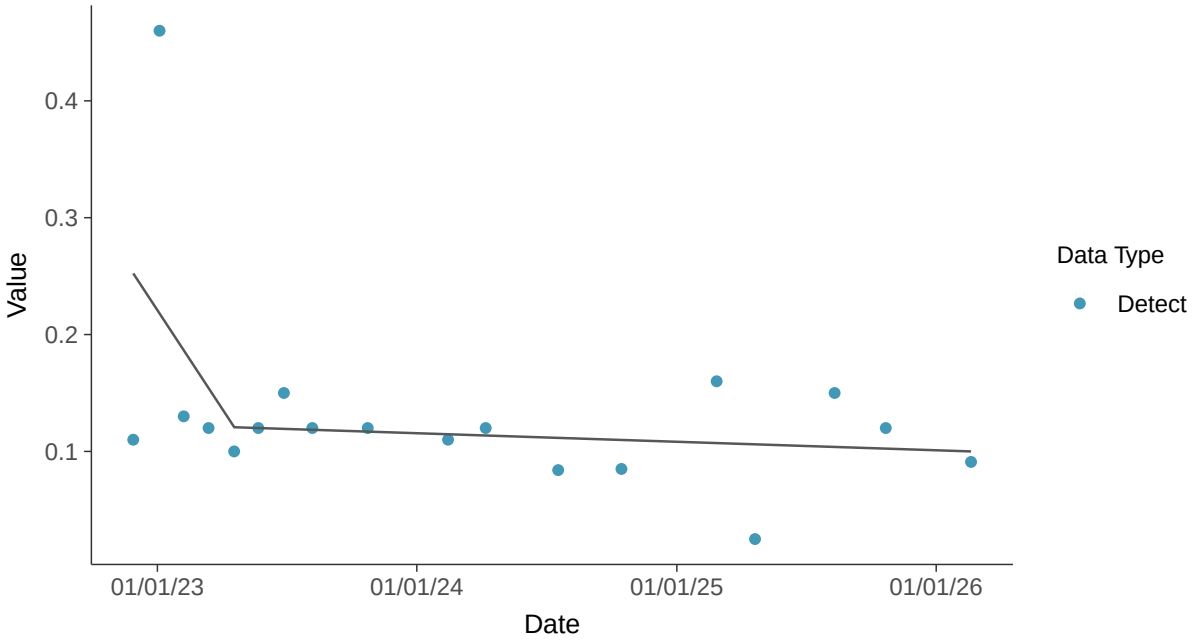
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Barium, MW-04 (mg/L)



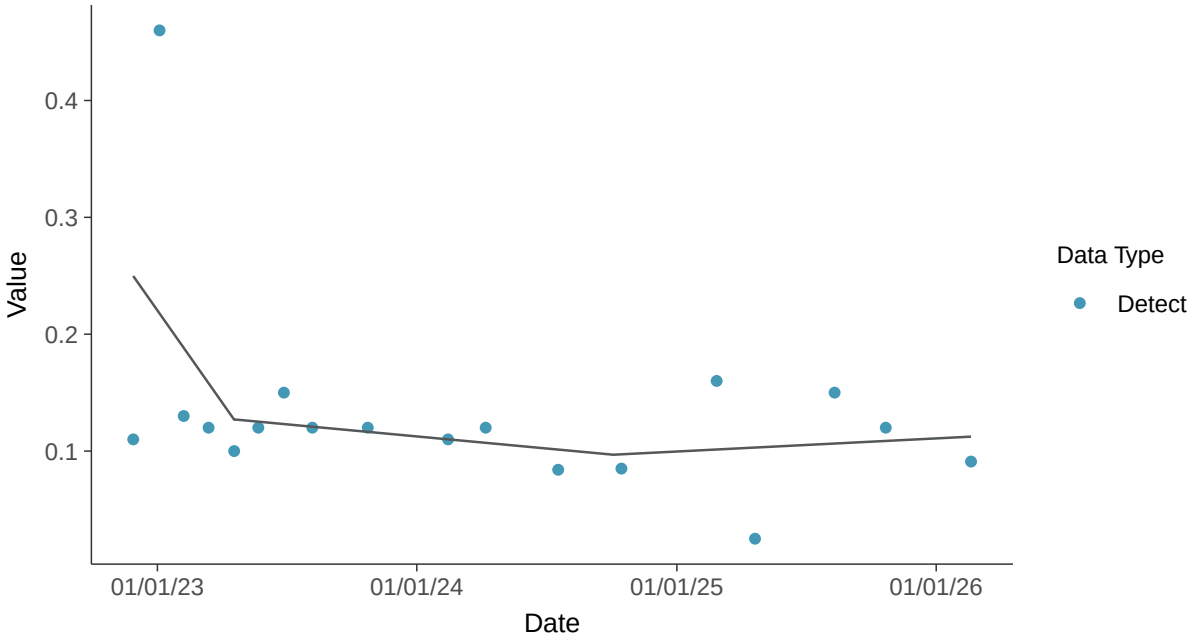
Trend Regression: Piecewise Linear-Linear

Barium, MW-04 (mg/L)



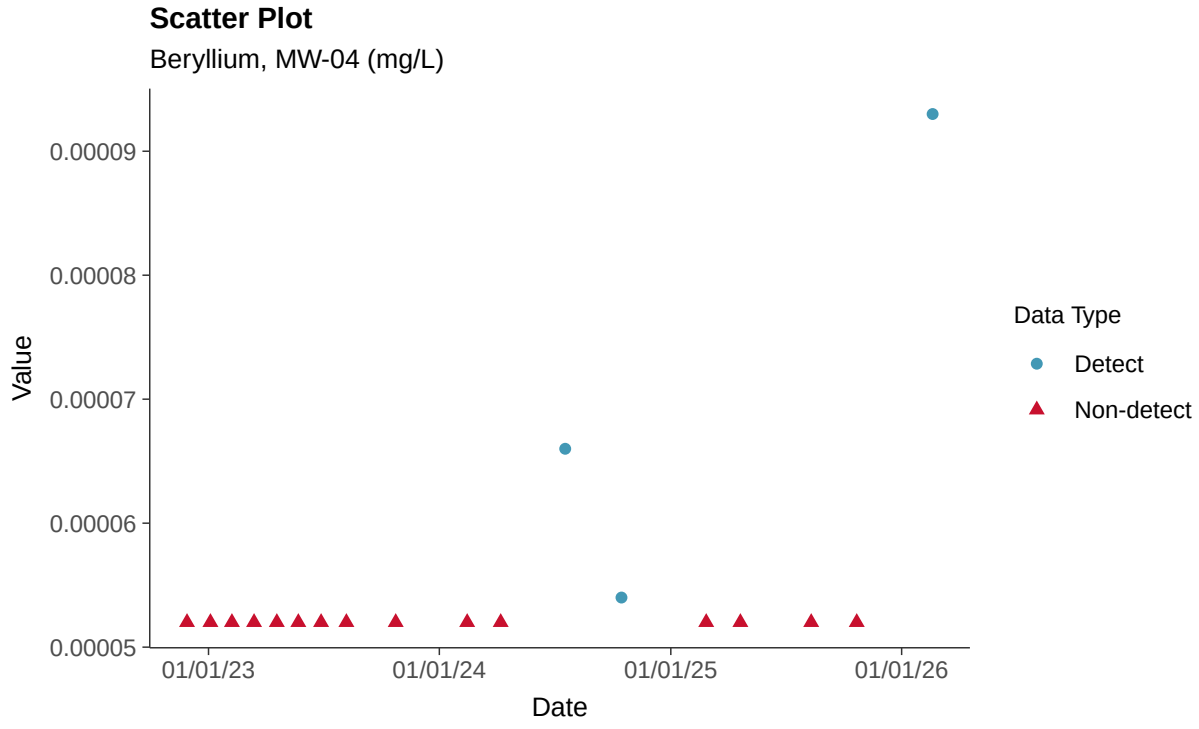
Trend Regression: Piecewise Linear-Linear-Linear

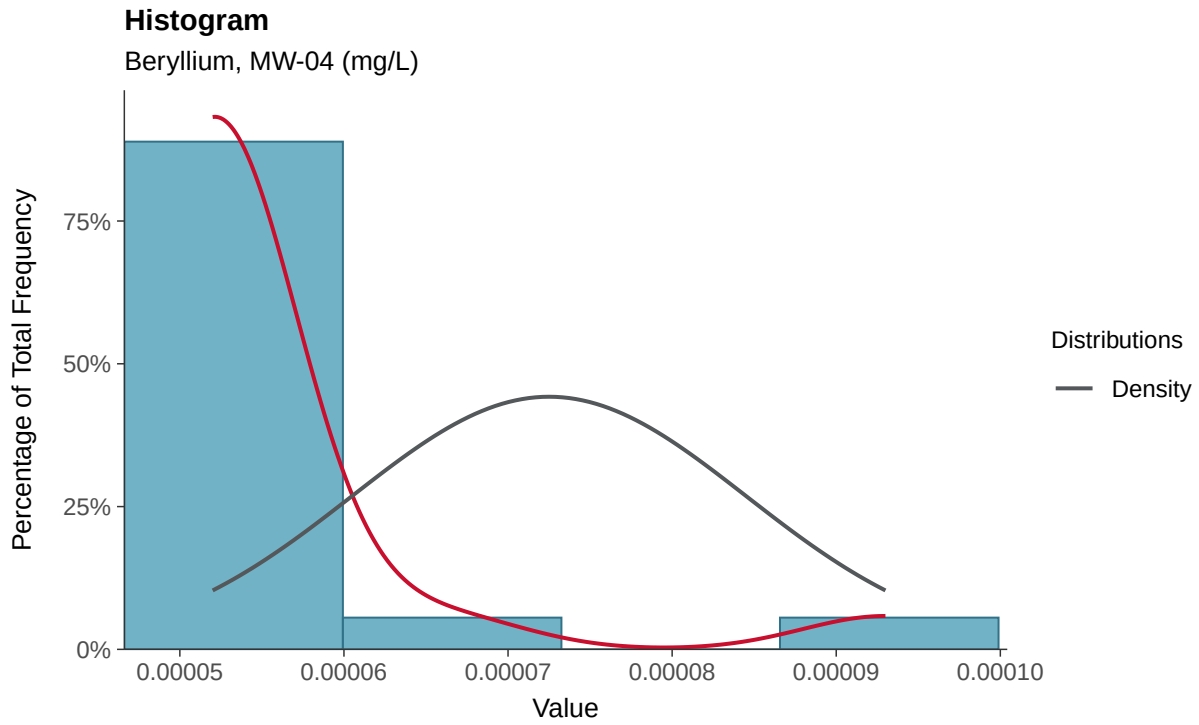
Barium, MW-04 (mg/L)



Appendix IV: Beryllium, MW-04

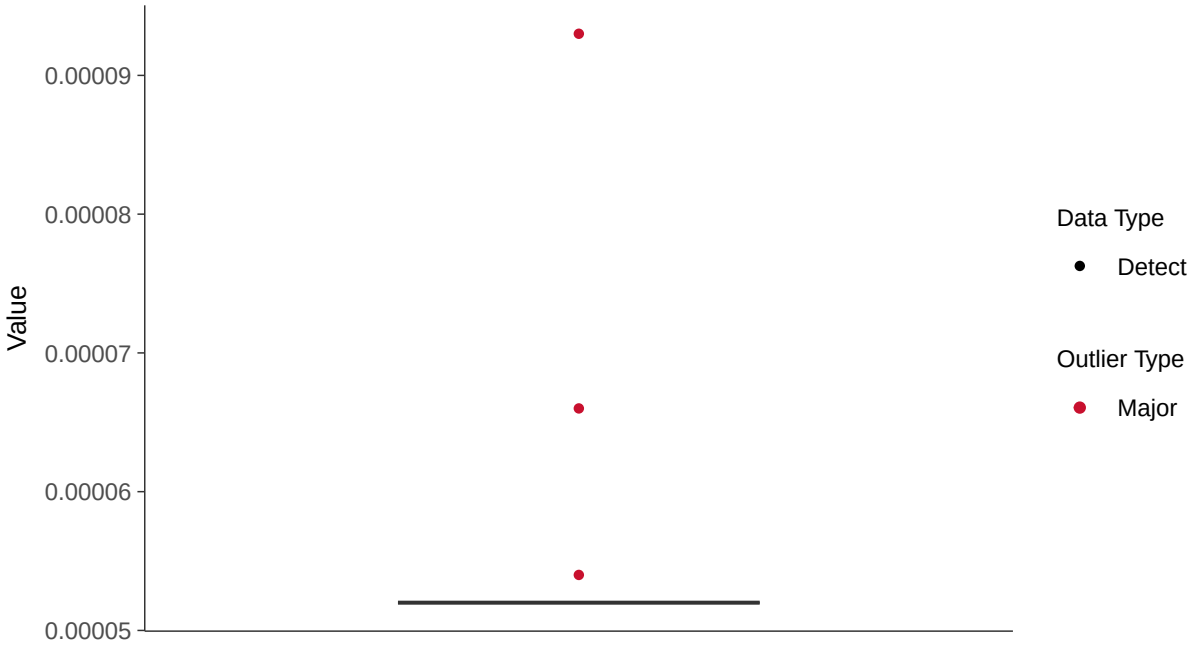
ID: 14_2_4_104





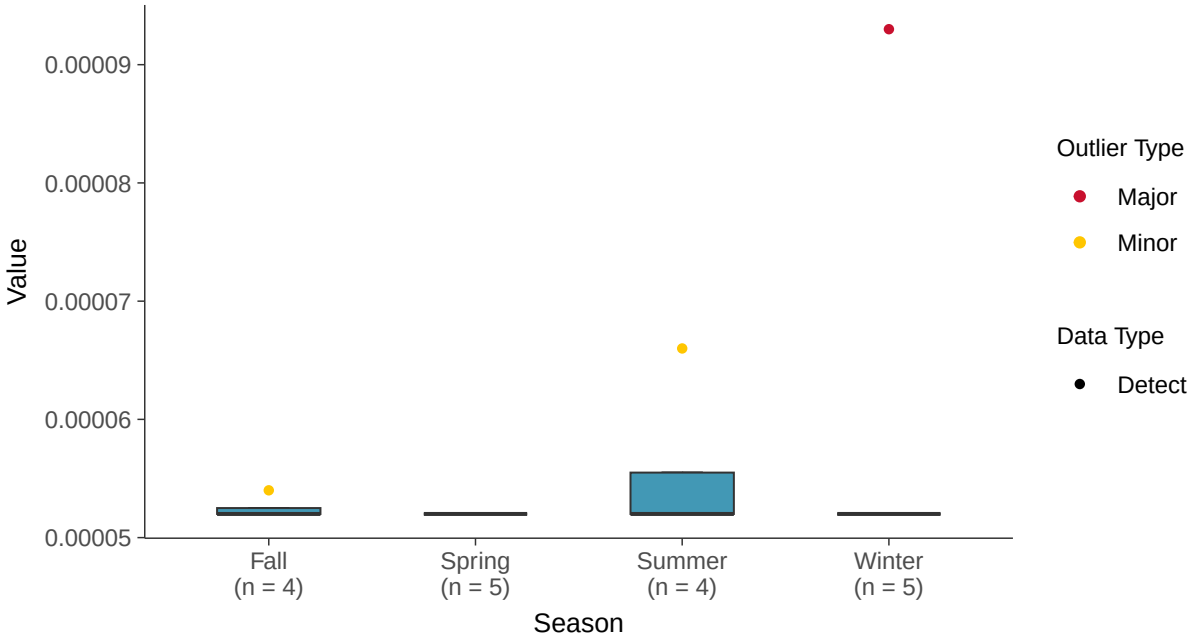
Boxplot

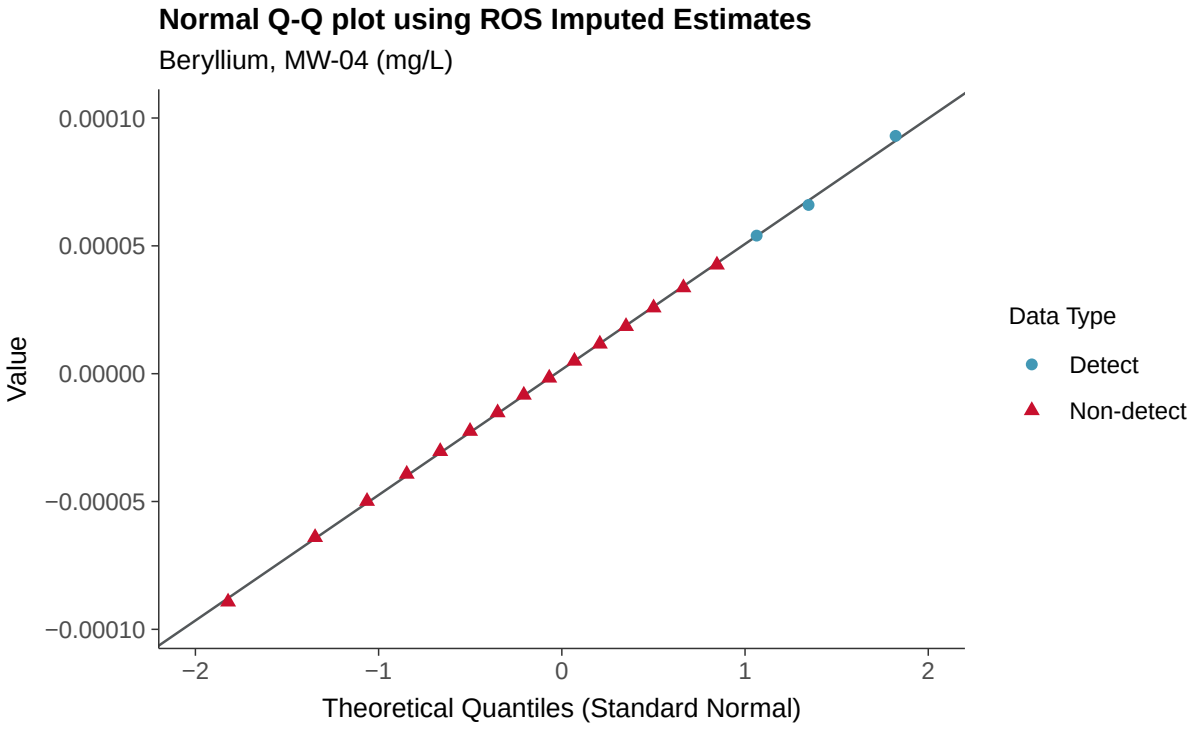
Beryllium, MW-04 (mg/L)



Boxplot by Season

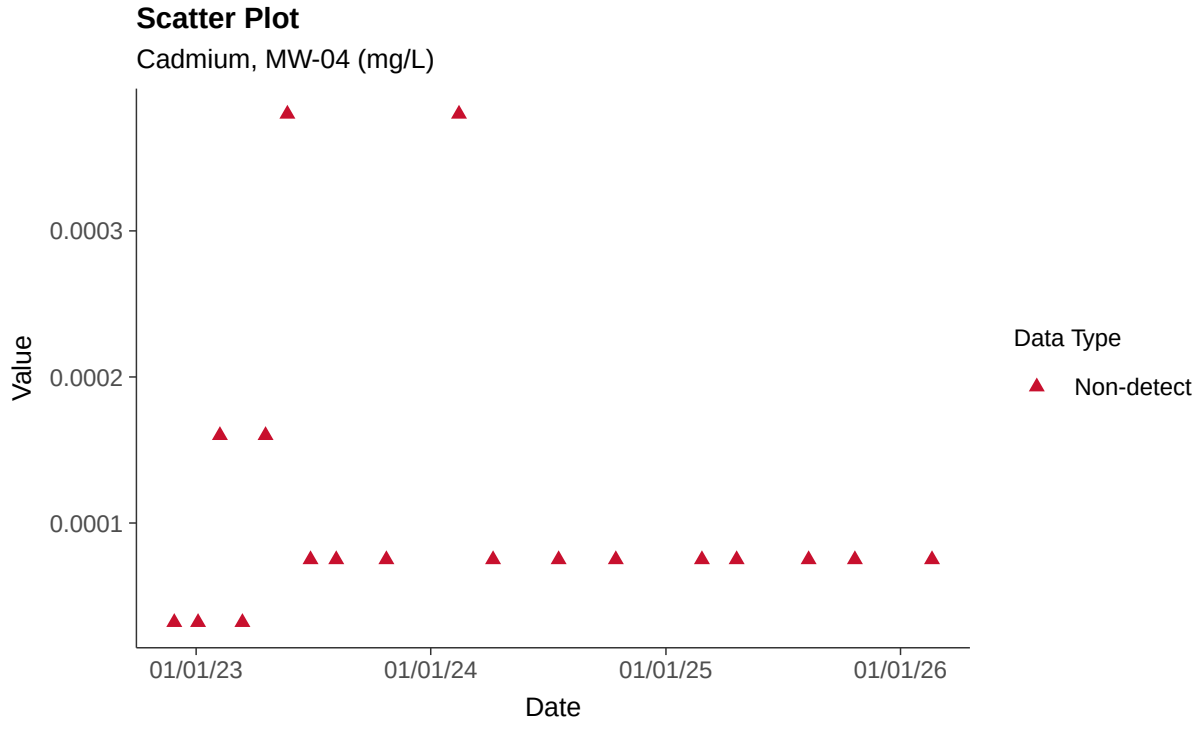
Beryllium, MW-04 (mg/L)

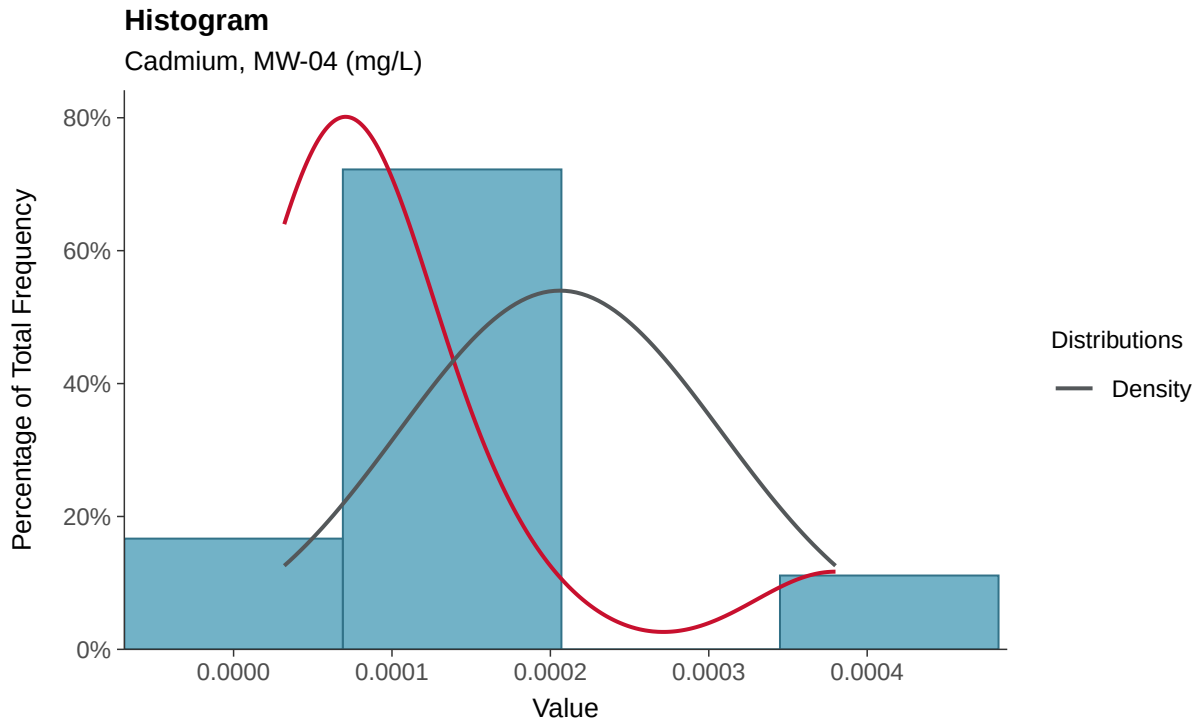



Normal Q-Q plot using ROS Imputed Estimates
Beryllium, MW-04 (mg/L)
Value
0.00010
0.00005
0.00000
−0.00005
−0.00010
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect
Non-detect

Appendix IV: Cadmium, MW-04

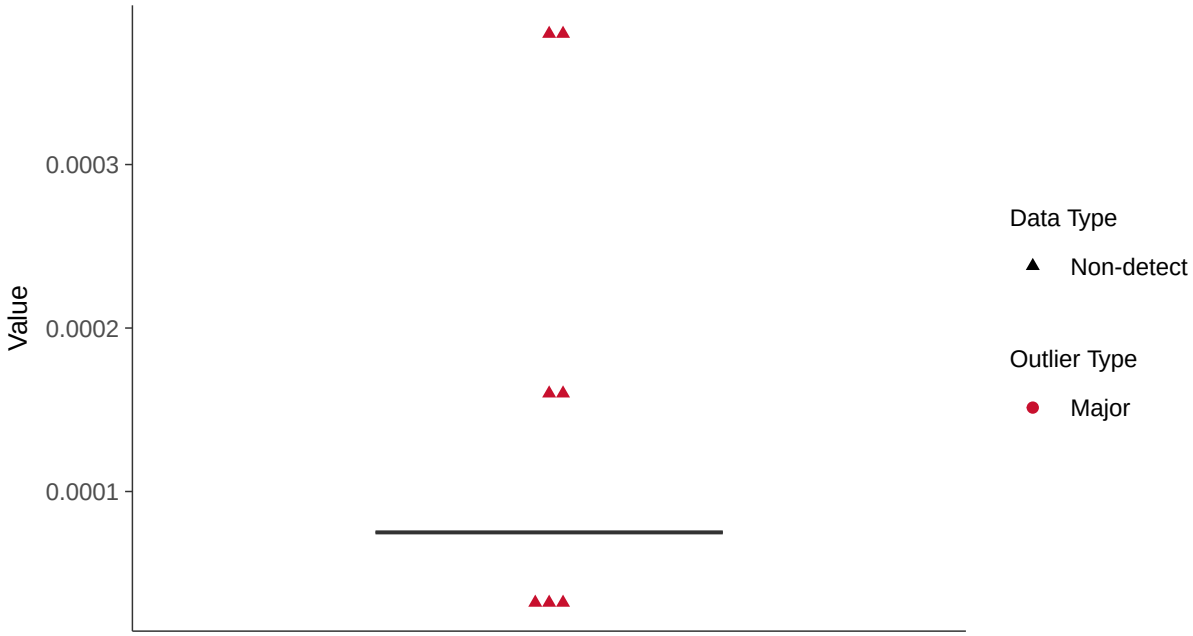
ID: 14_2_4_106





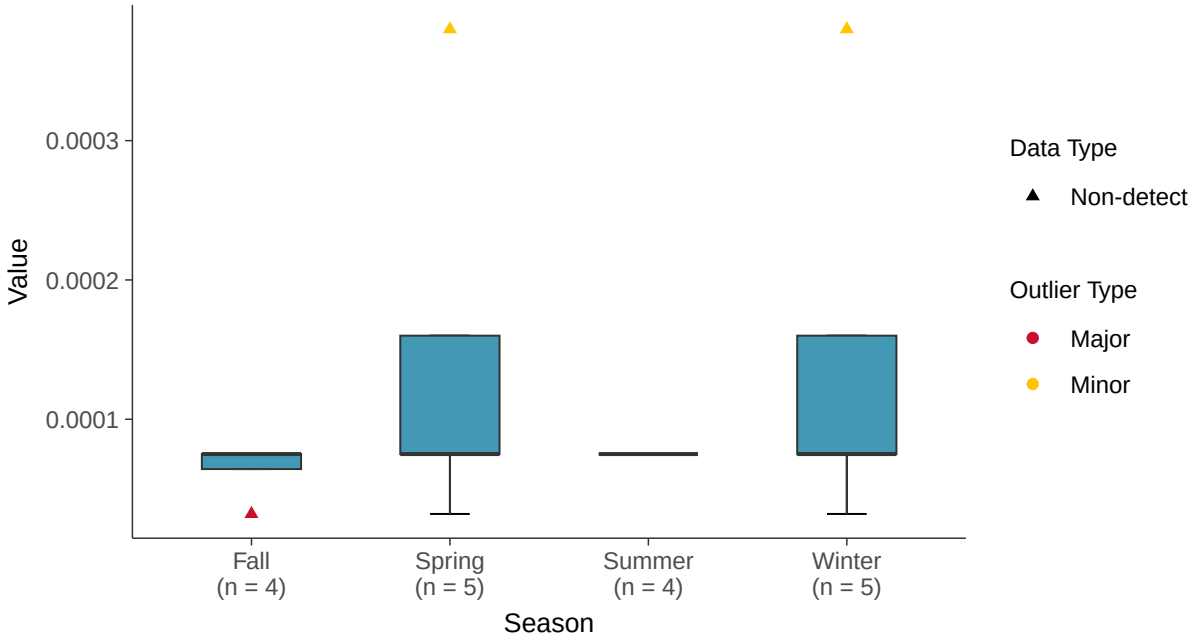
Boxplot

Cadmium, MW-04 (mg/L)



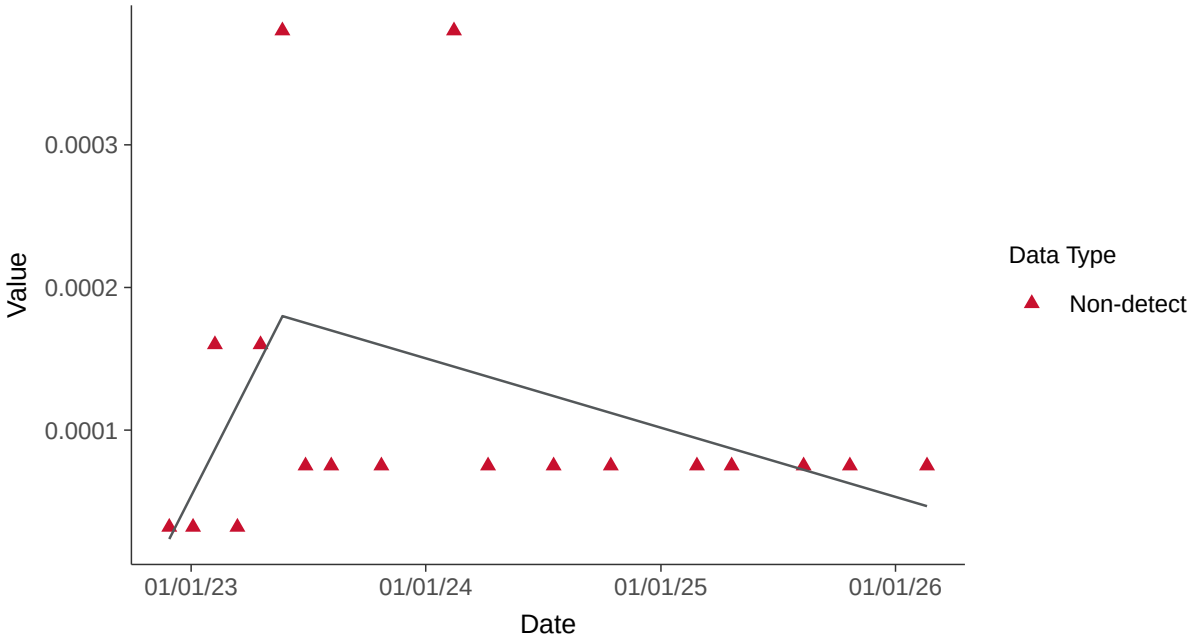
Boxplot by Season

Cadmium, MW-04 (mg/L)



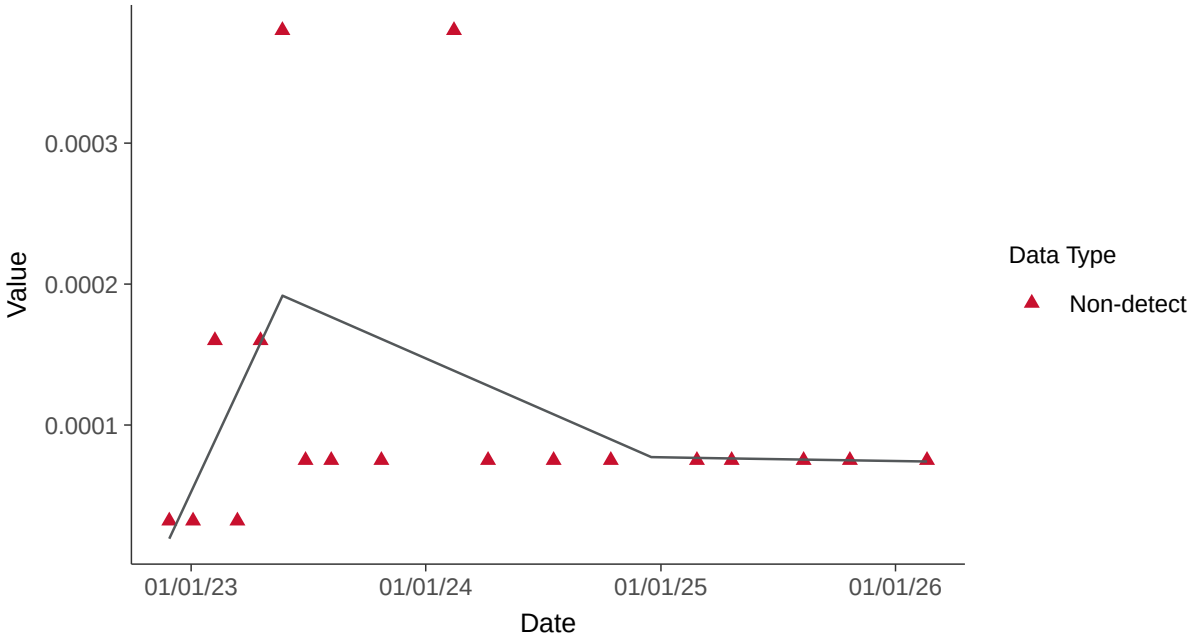
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-04 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Cadmium, MW-04 (mg/L)

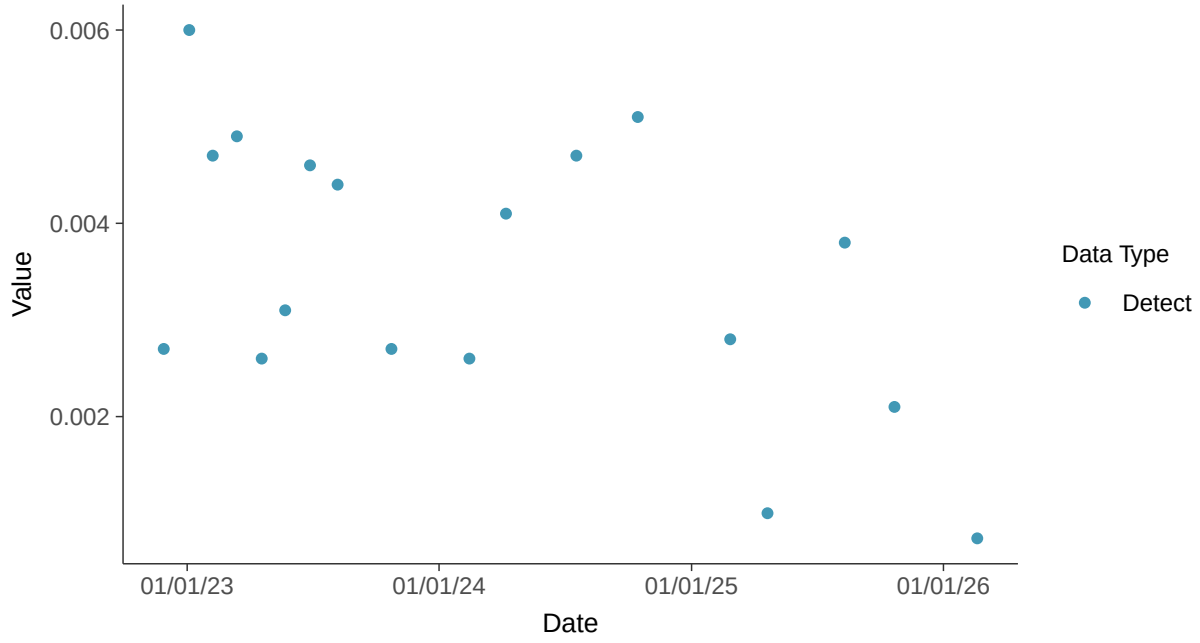


Appendix IV: Chromium, Total, MW-04

ID: 14_2_4_109

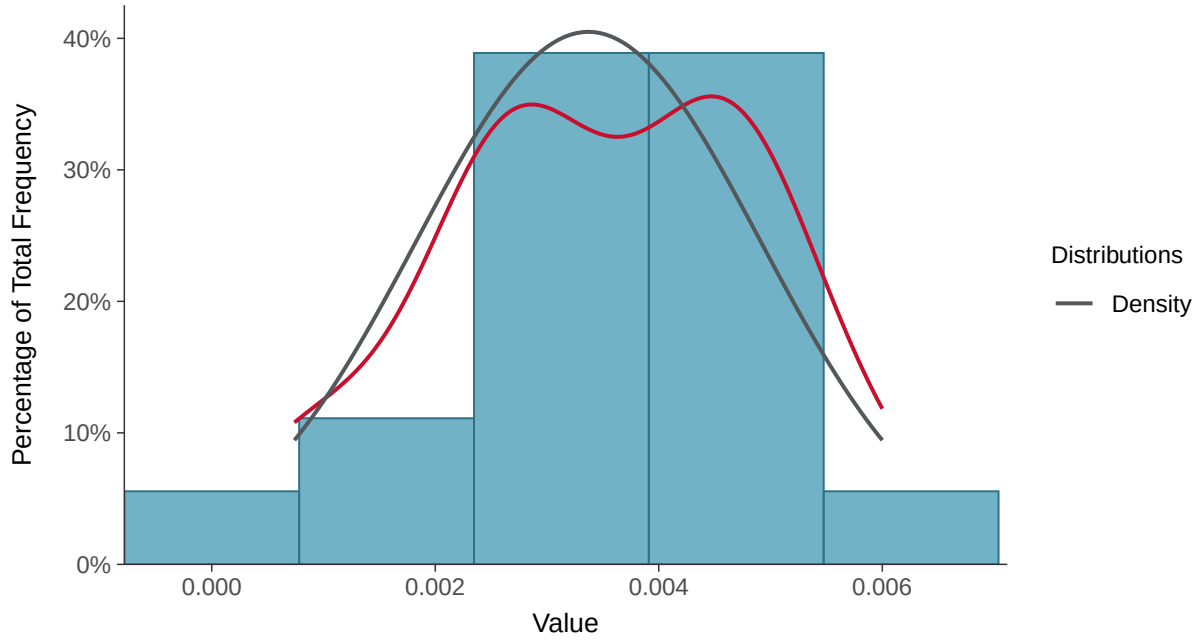
Scatter Plot

Chromium, Total, MW-04 (mg/L)



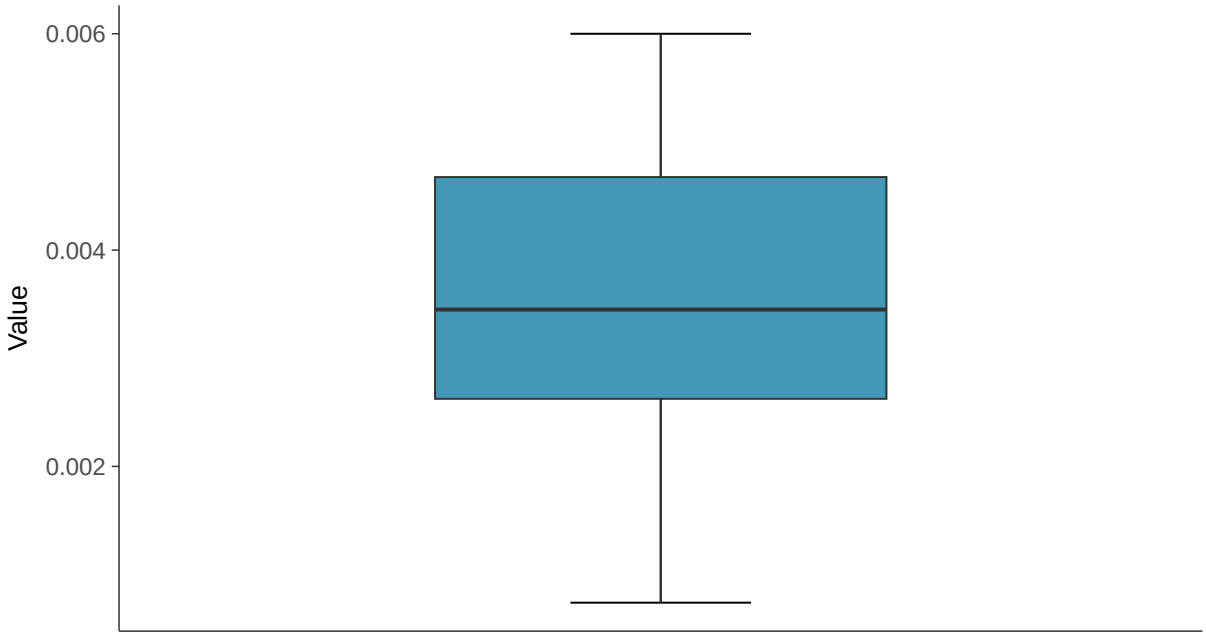
Histogram

Chromium, Total, MW-04 (mg/L)



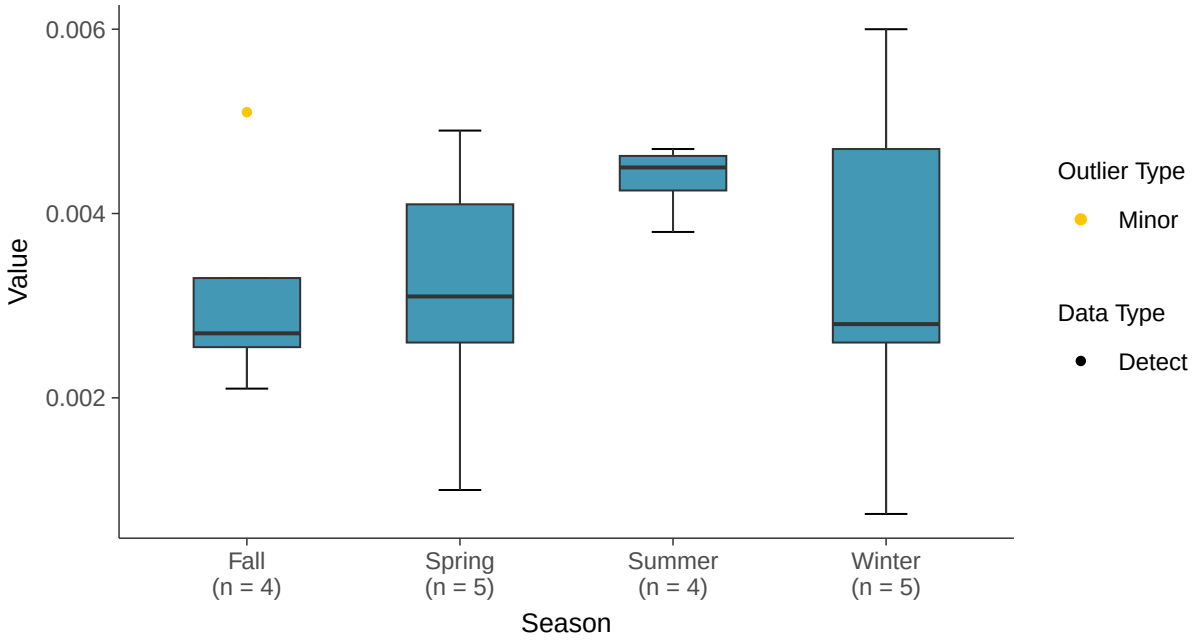
Boxplot

Chromium, Total, MW-04 (mg/L)



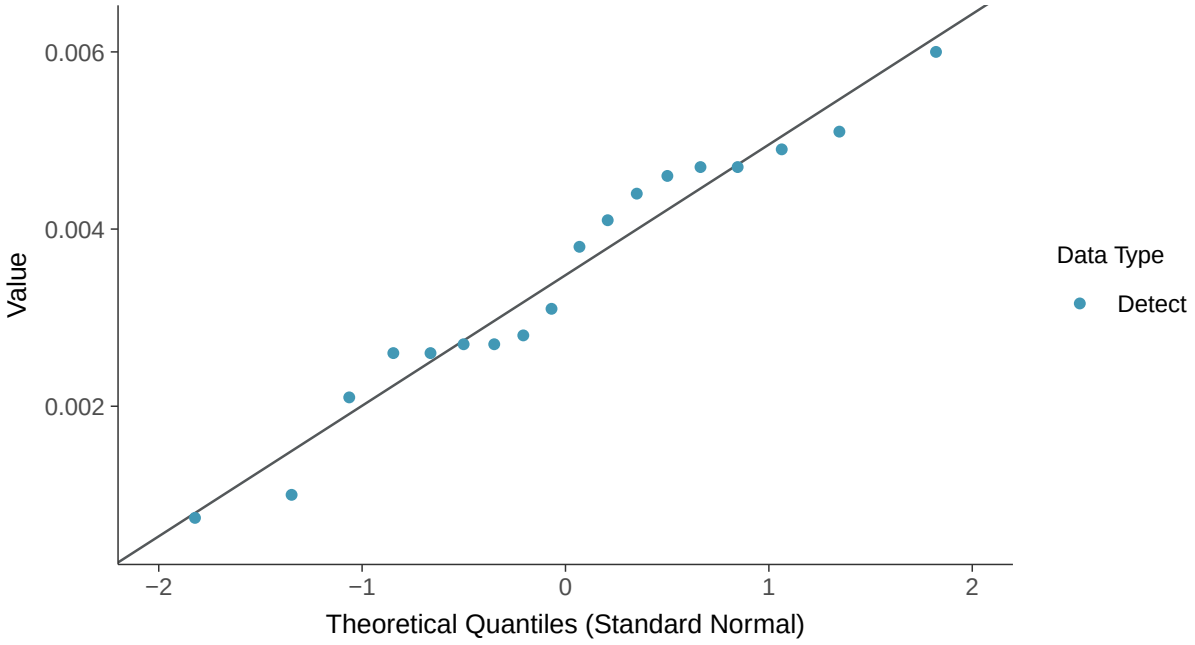
Boxplot by Season

Chromium, Total, MW-04 (mg/L)



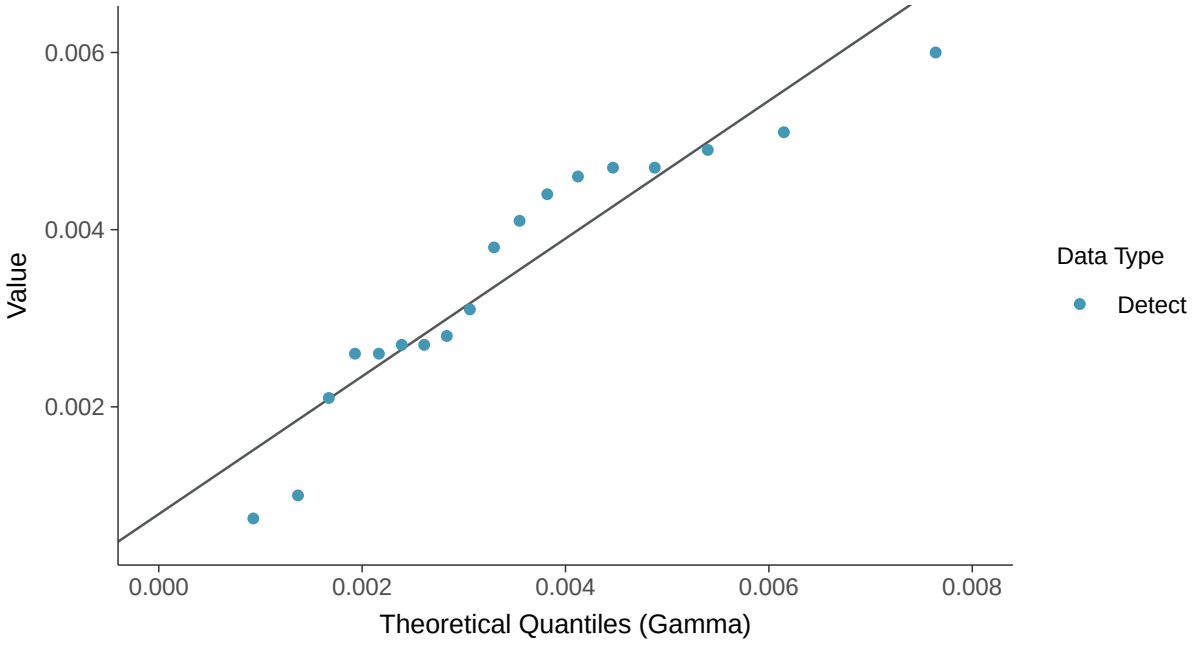
Normal Q-Q plot

Chromium, Total, MW-04 (mg/L)



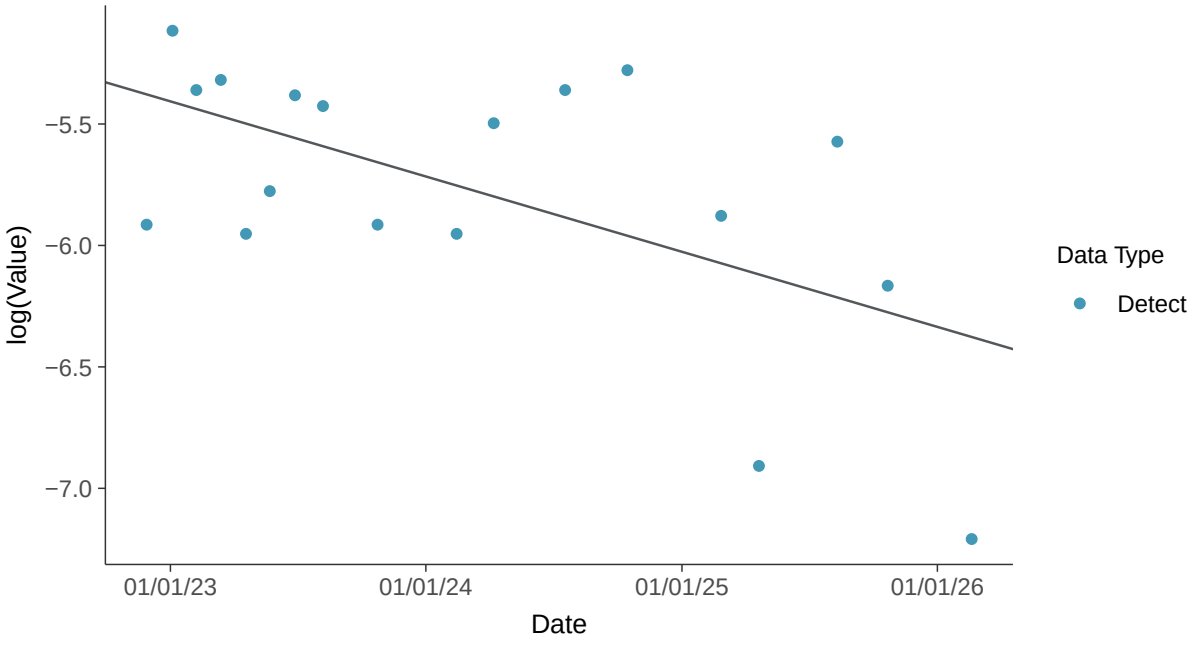
Gamma Q-Q plot

Chromium, Total, MW-04 (mg/L)



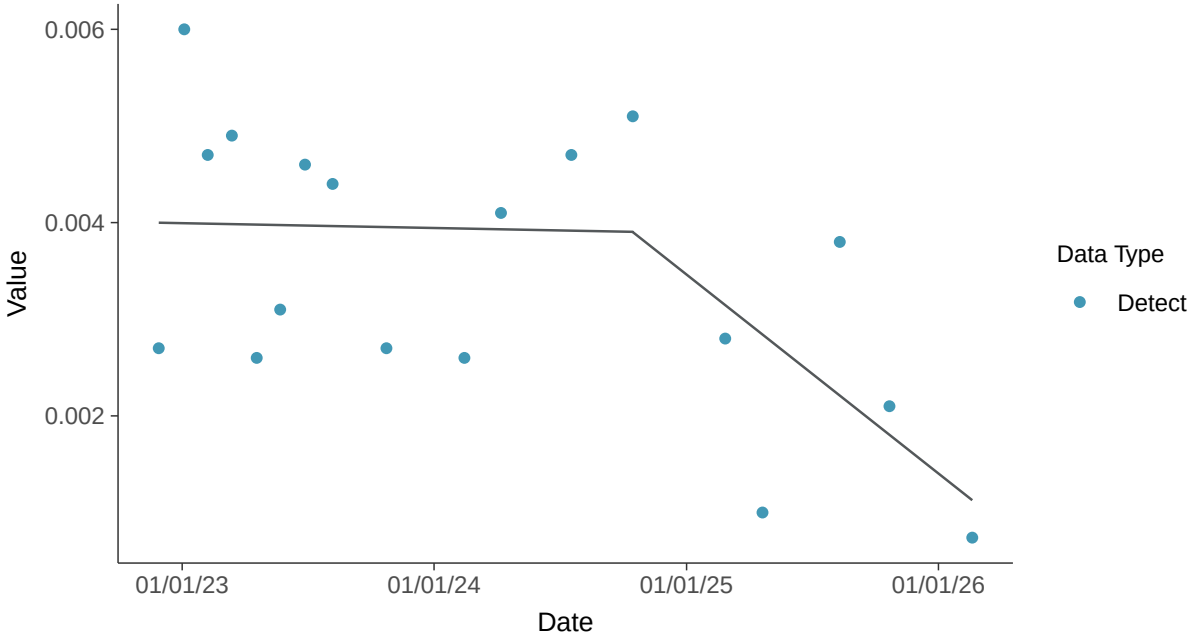
Trend Regression: Lognormal MLE

Chromium, Total, MW-04 (mg/L)



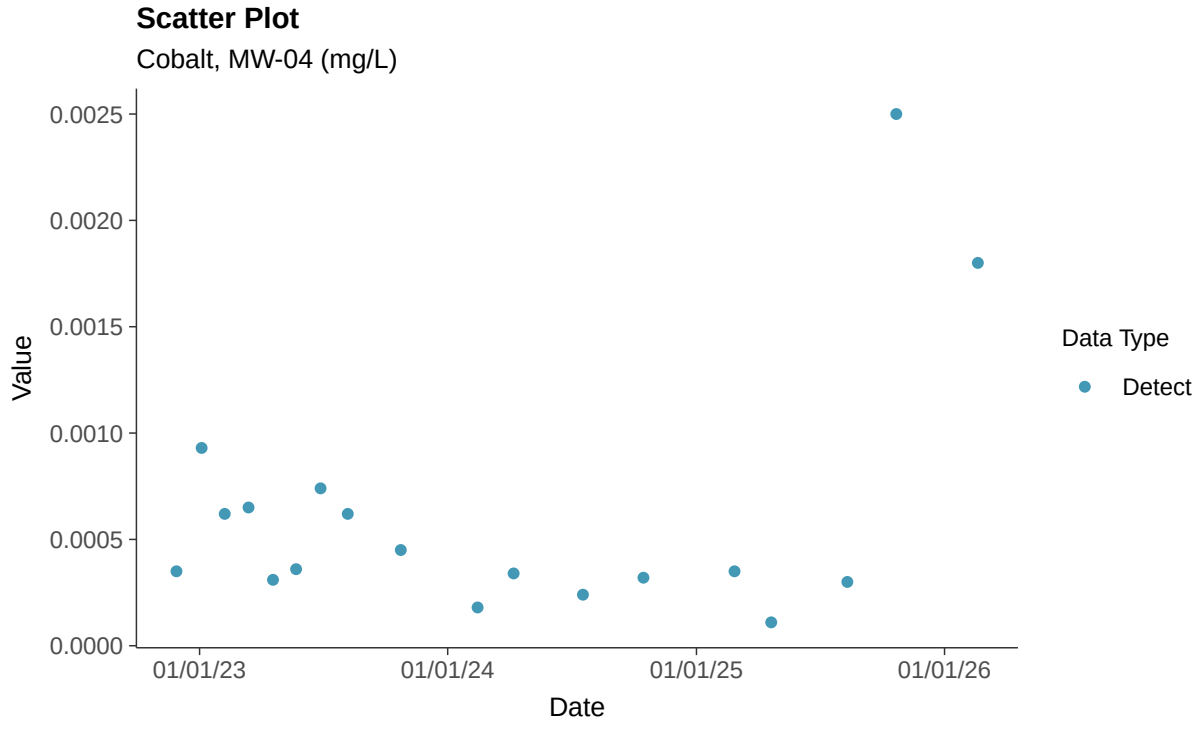
Trend Regression: Piecewise Linear-Linear

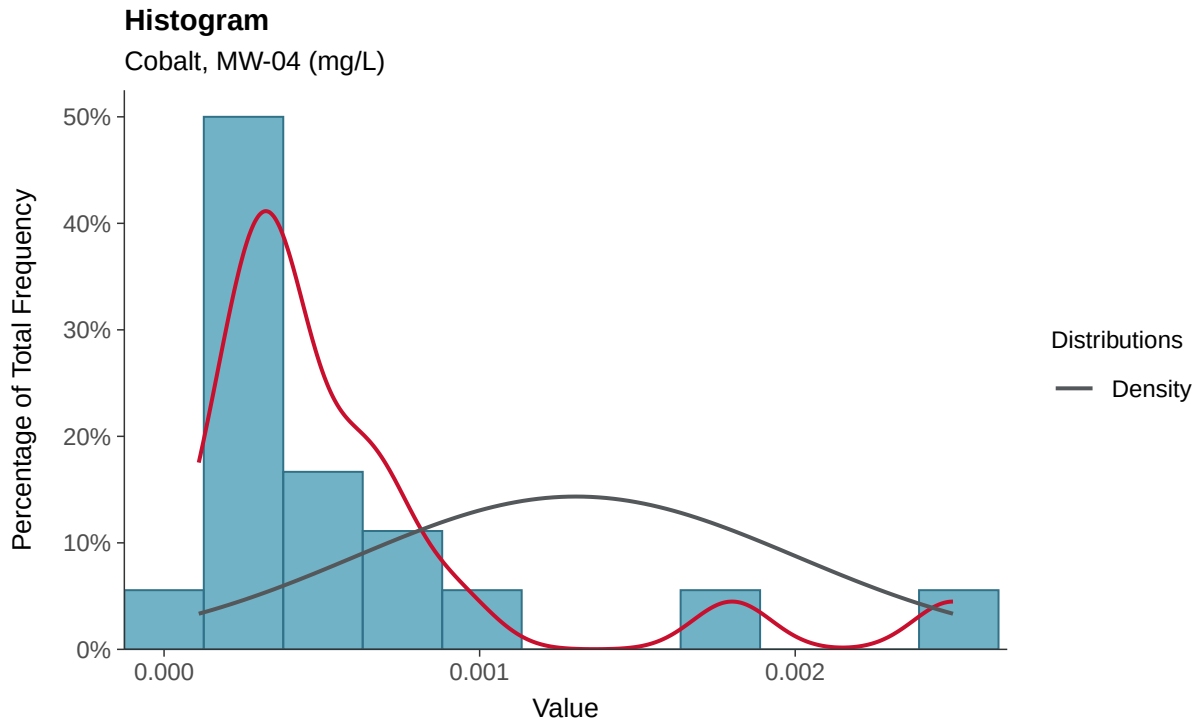
Chromium, Total, MW-04 (mg/L)



Appendix IV: Cobalt, MW-04

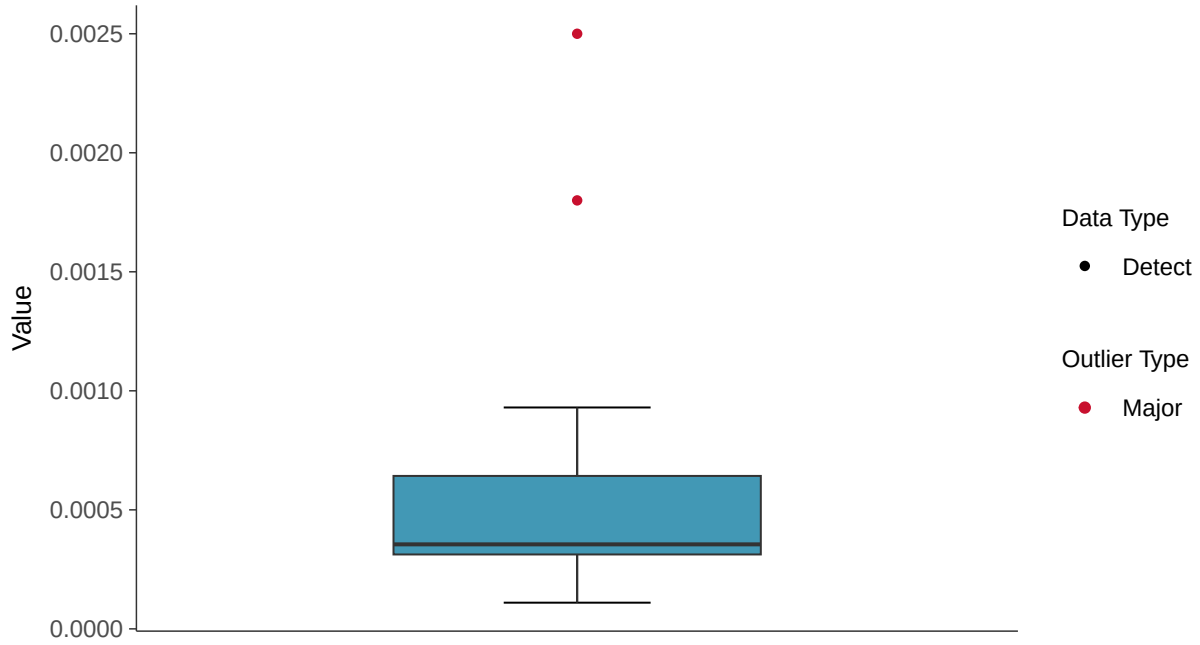
ID: 14_2_4_110





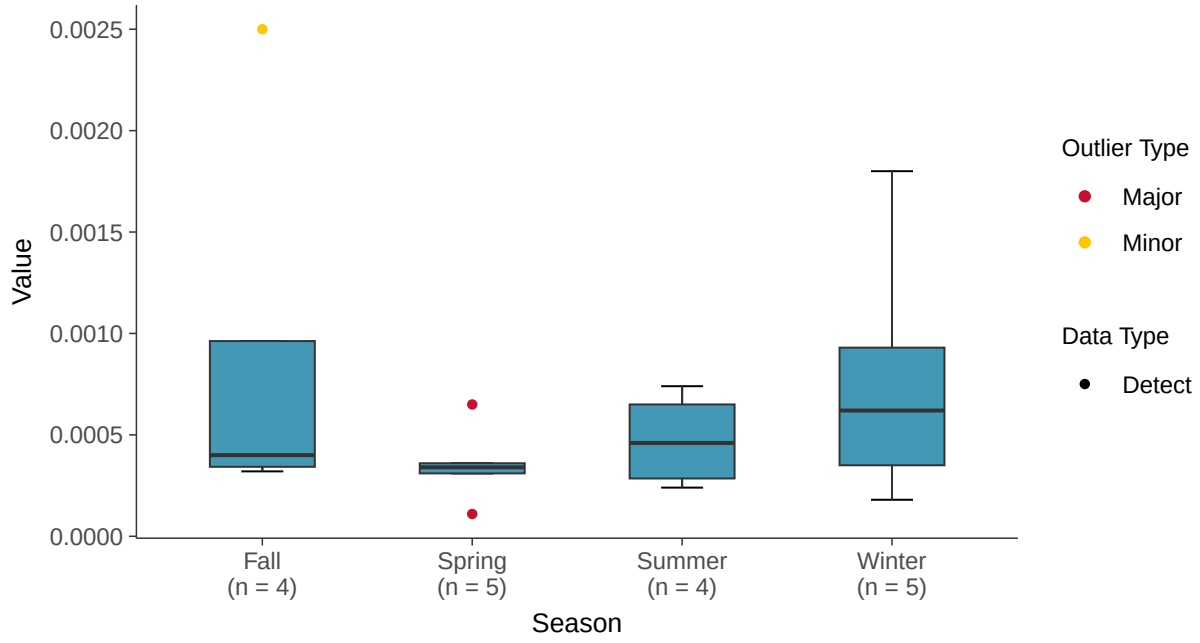
Boxplot

Cobalt, MW-04 (mg/L)



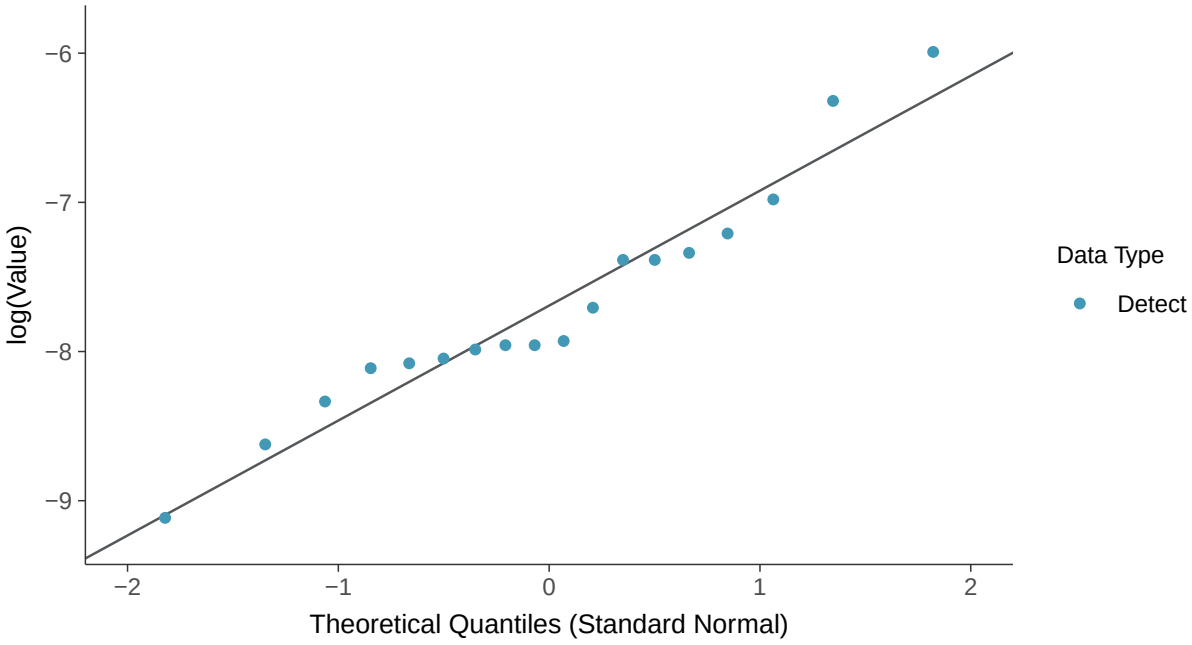
Boxplot by Season

Cobalt, MW-04 (mg/L)



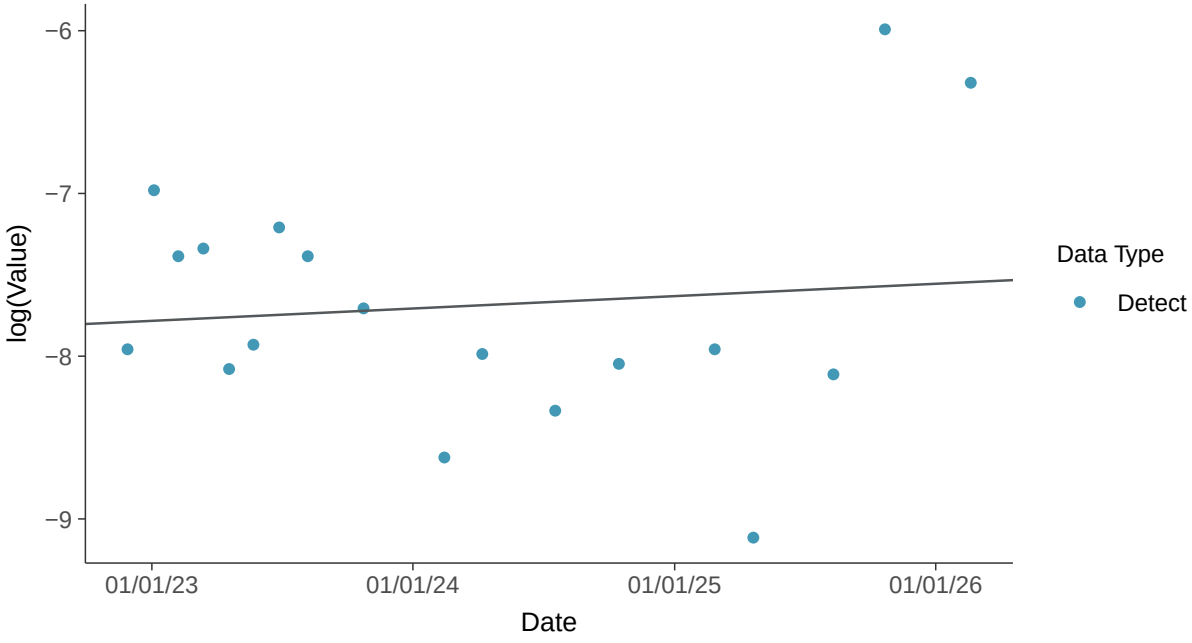
Lognormal Q-Q plot

Cobalt, MW-04 (mg/L)



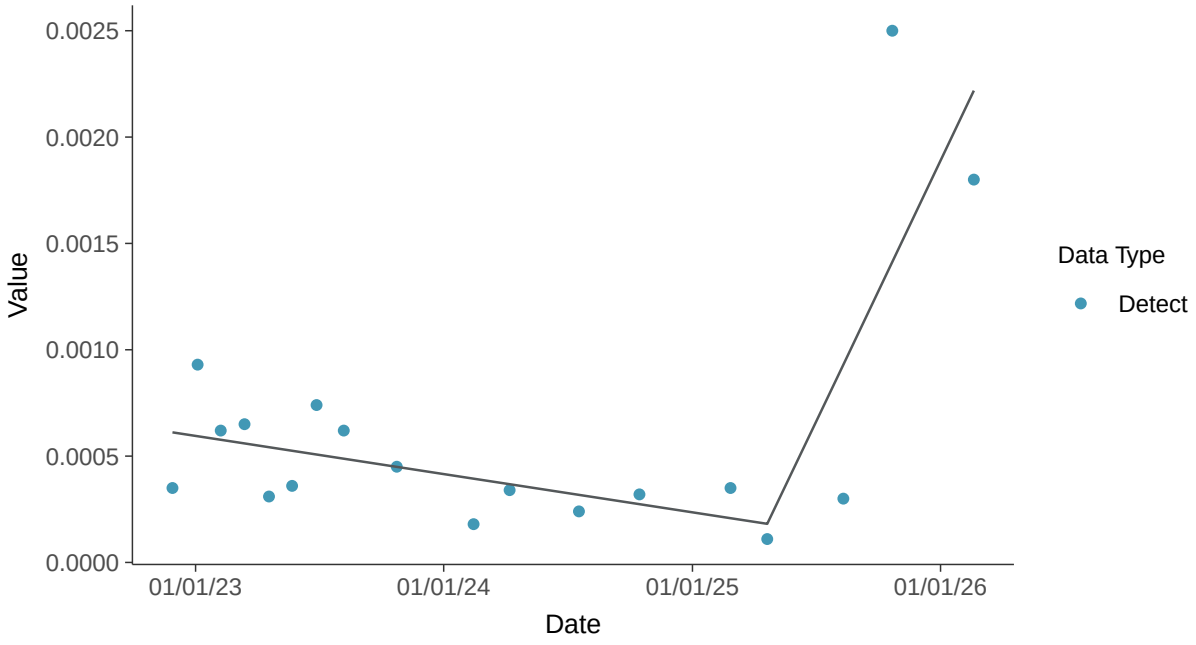
Trend Regression: Lognormal MLE

Cobalt, MW-04 (mg/L)



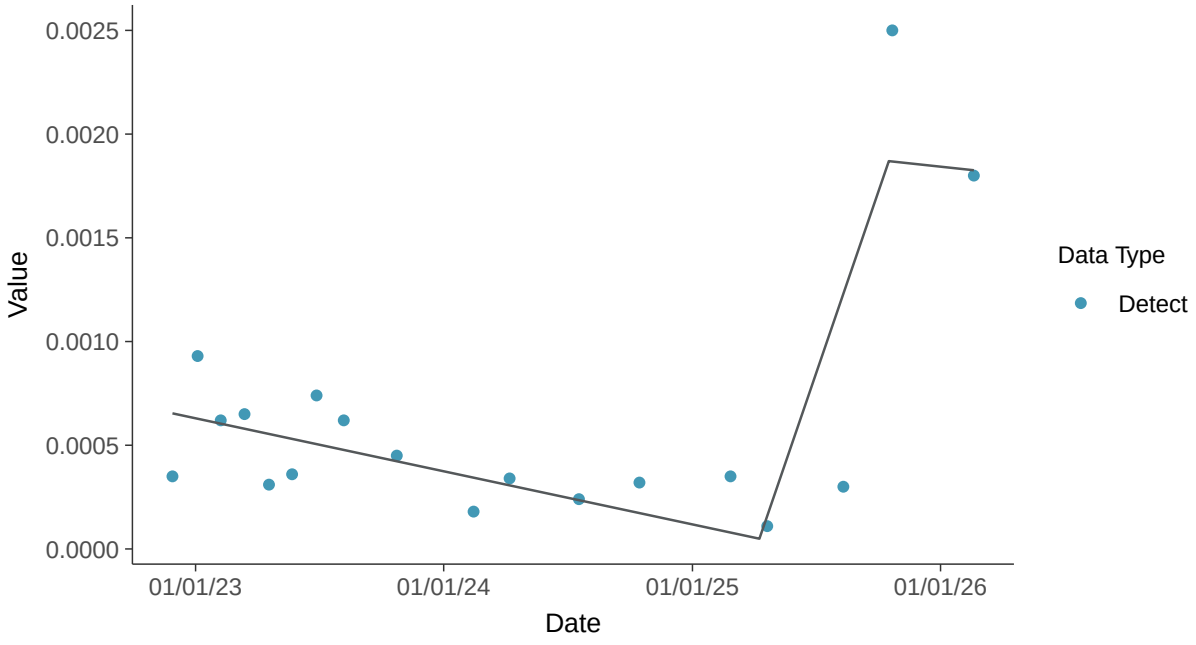
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-04 (mg/L)



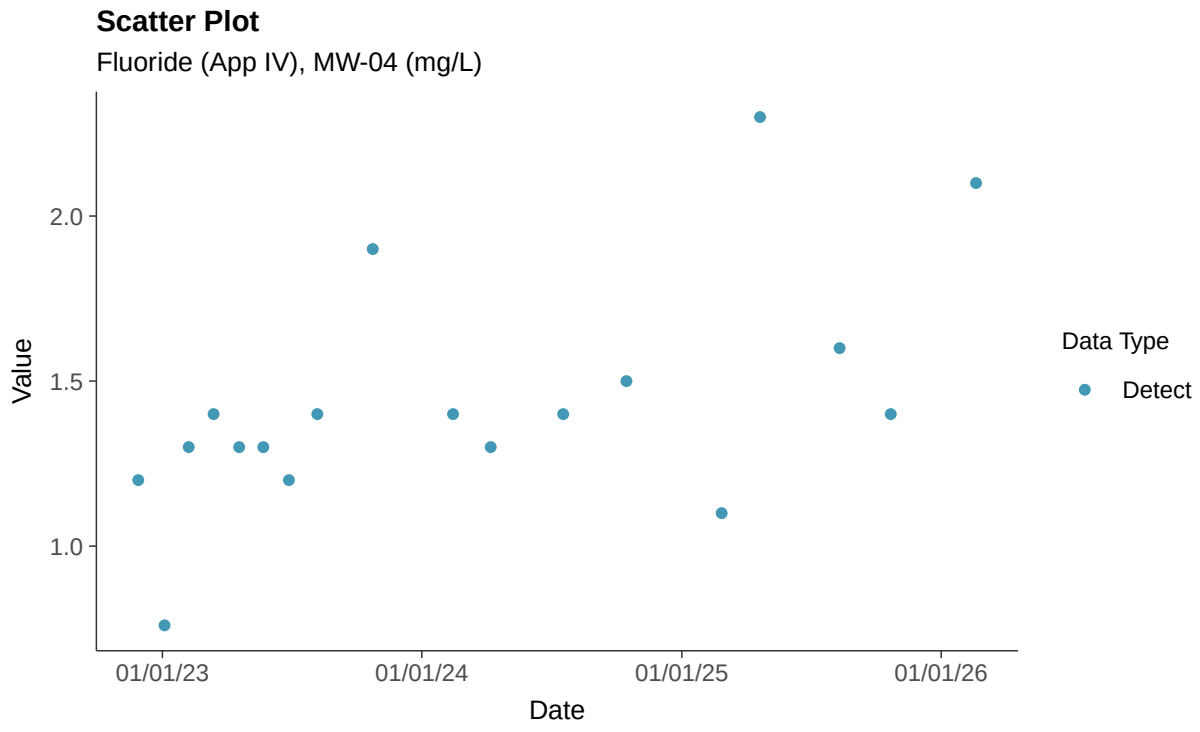
Trend Regression: Piecewise Linear-Linear-Linear

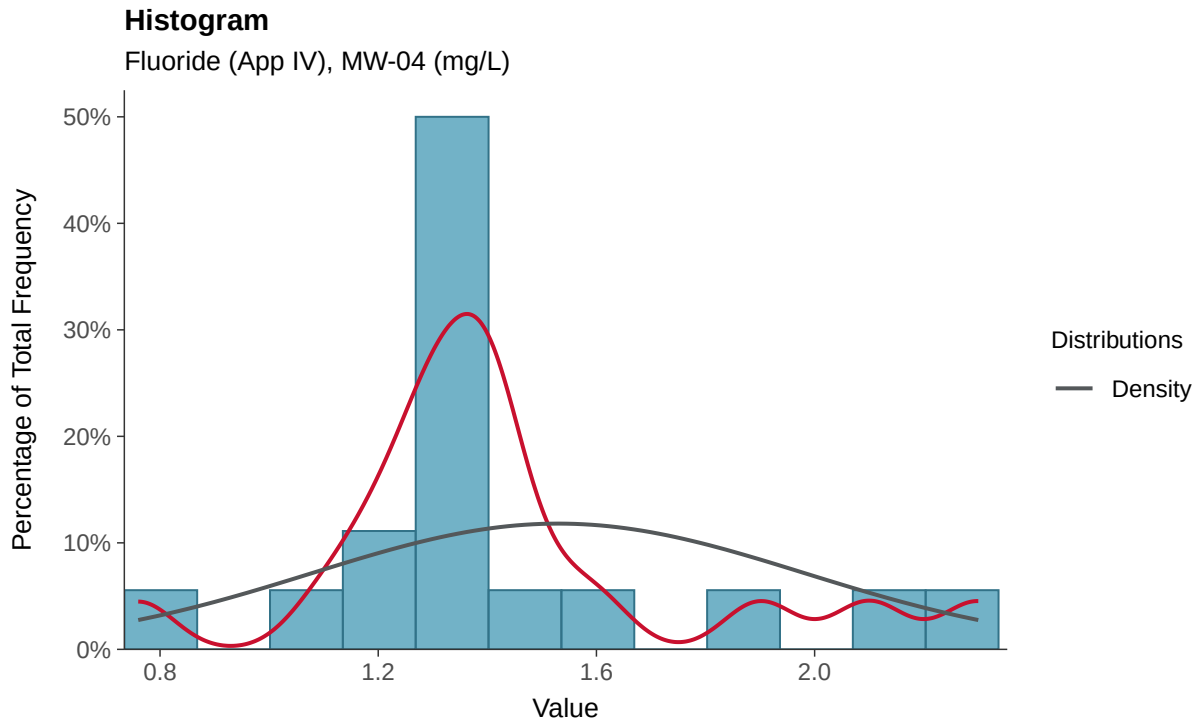
Cobalt, MW-04 (mg/L)



Appendix IV: Fluoride (App IV), MW-04

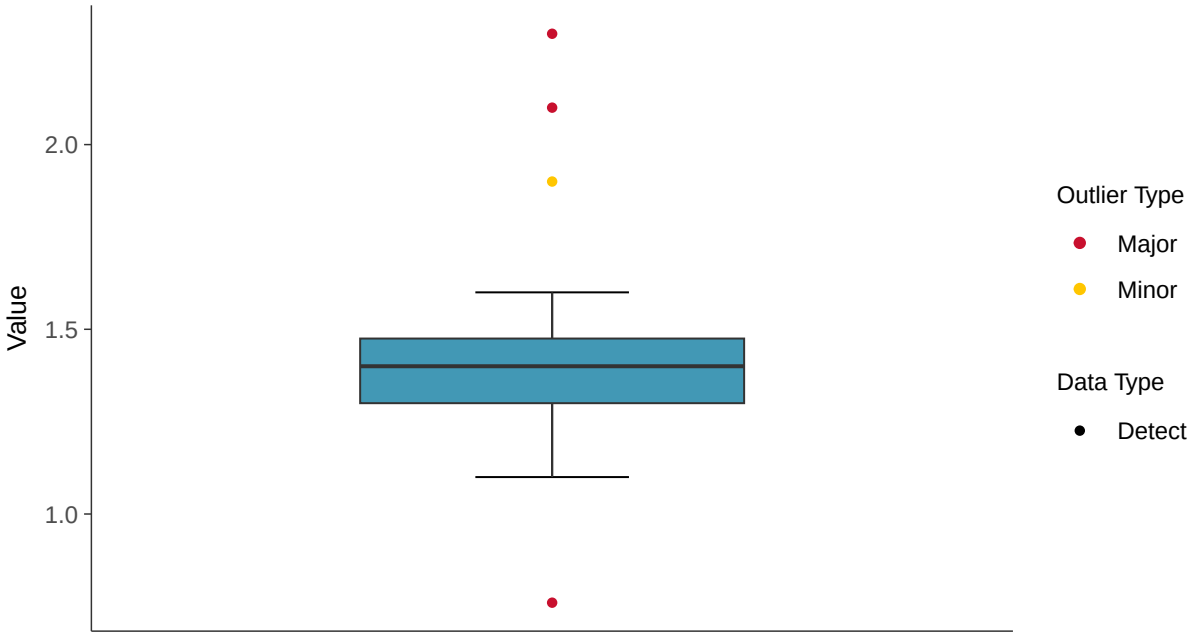
ID: 14_2_4_113





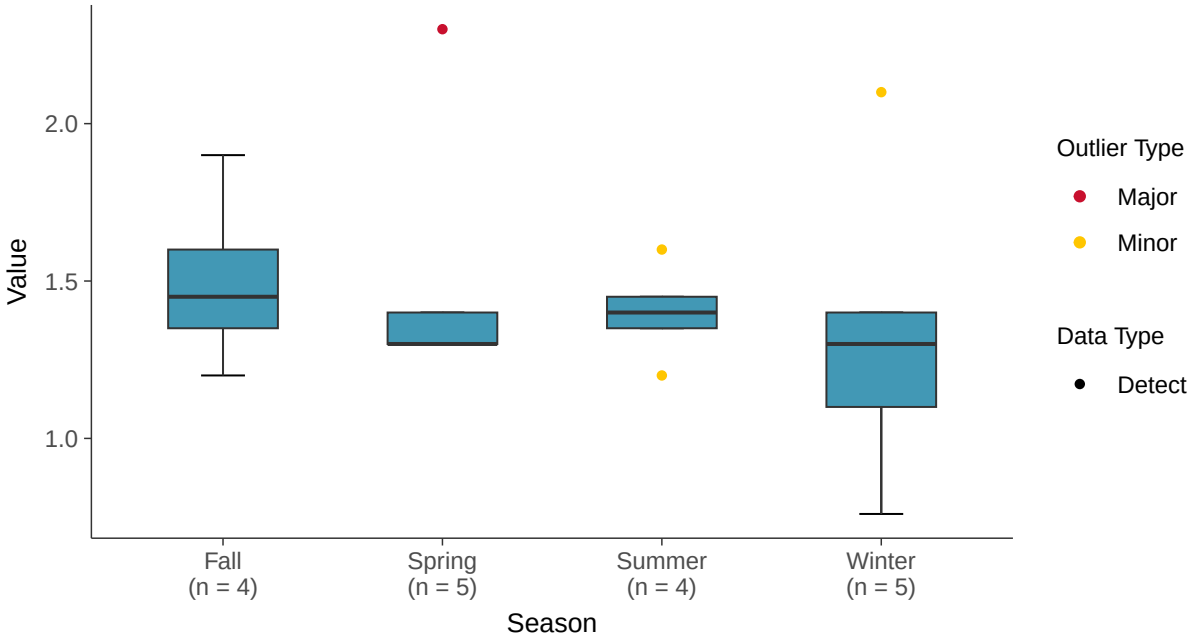
Boxplot

Fluoride (App IV), MW-04 (mg/L)



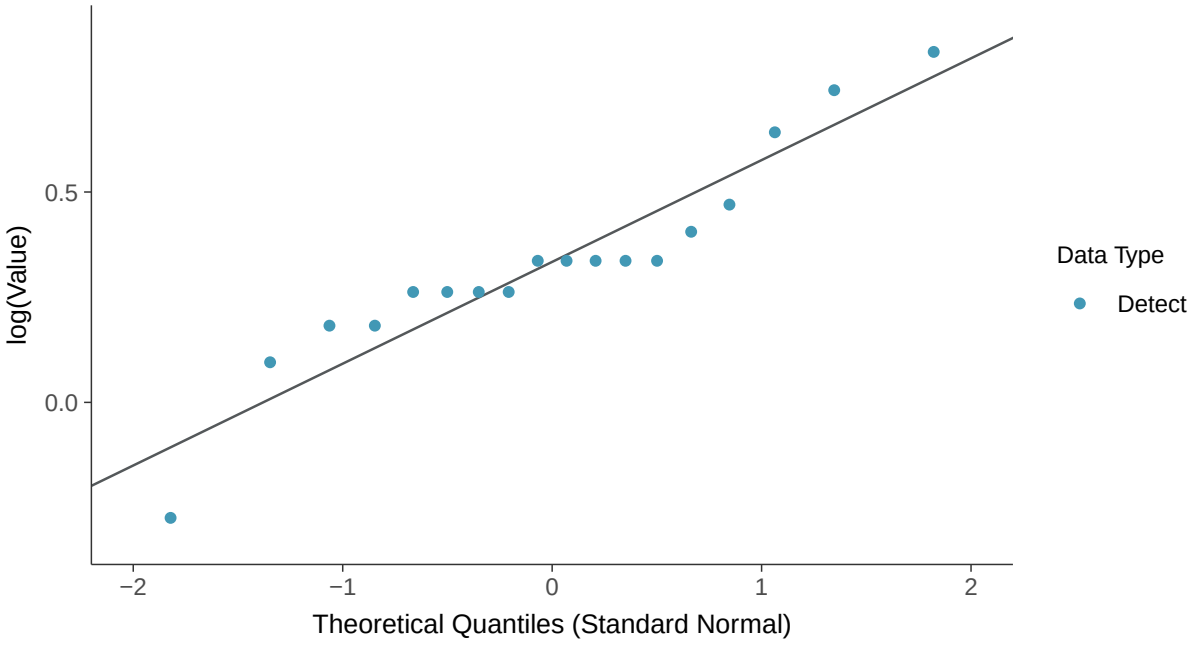
Boxplot by Season

Fluoride (App IV), MW-04 (mg/L)



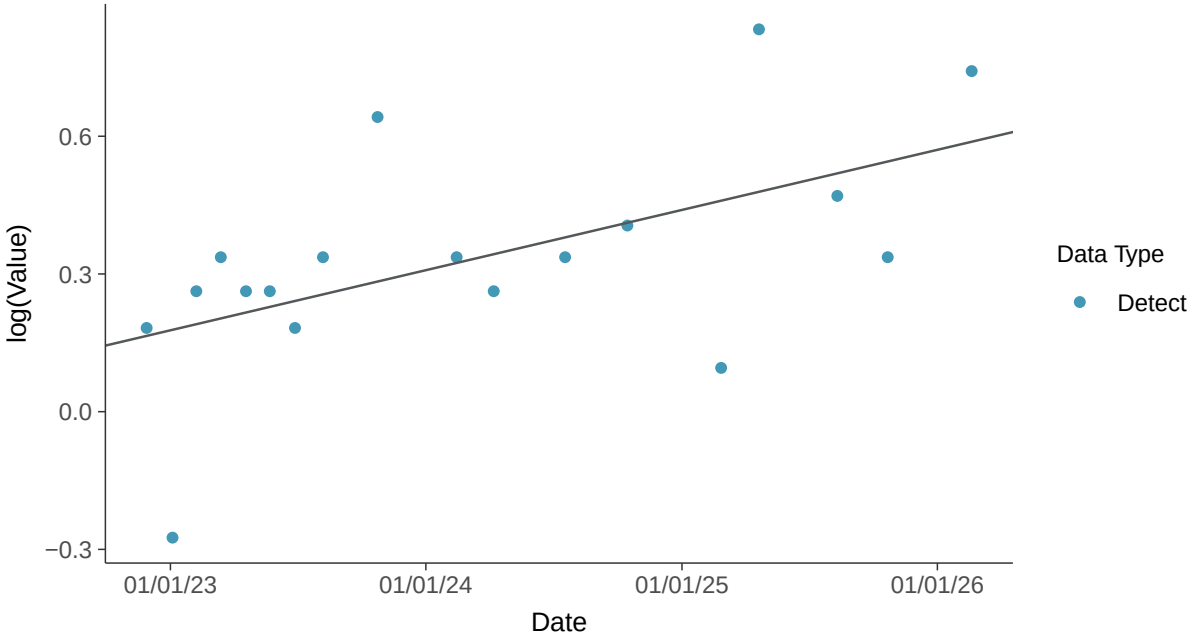
Lognormal Q-Q plot

Fluoride (App IV), MW-04 (mg/L)



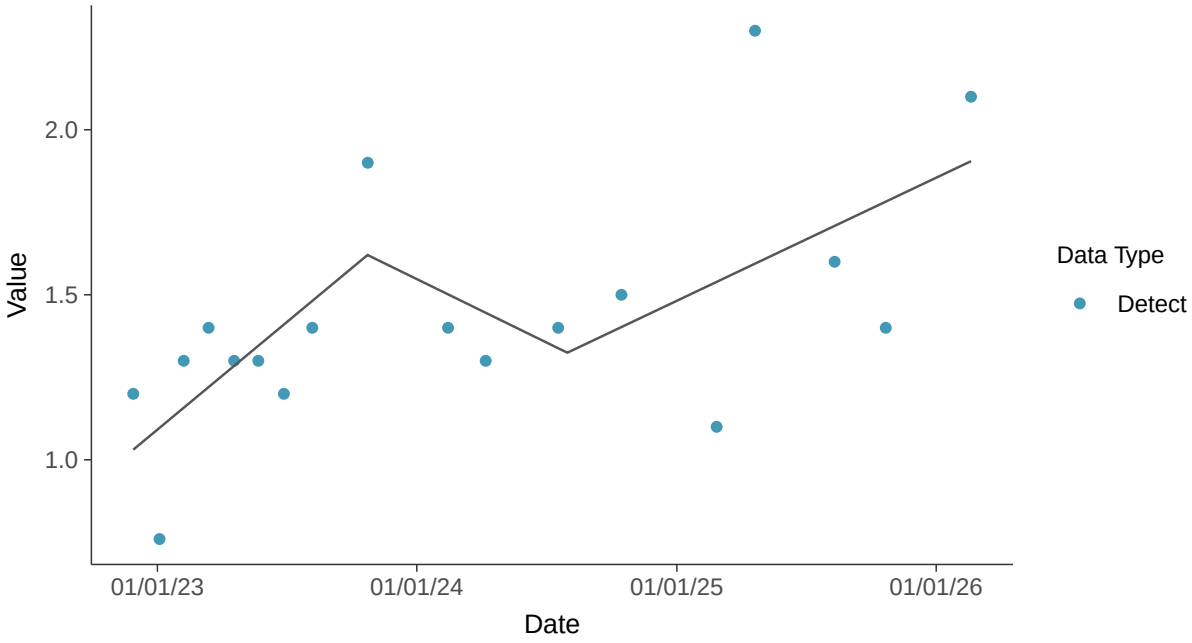
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-04 (mg/L)



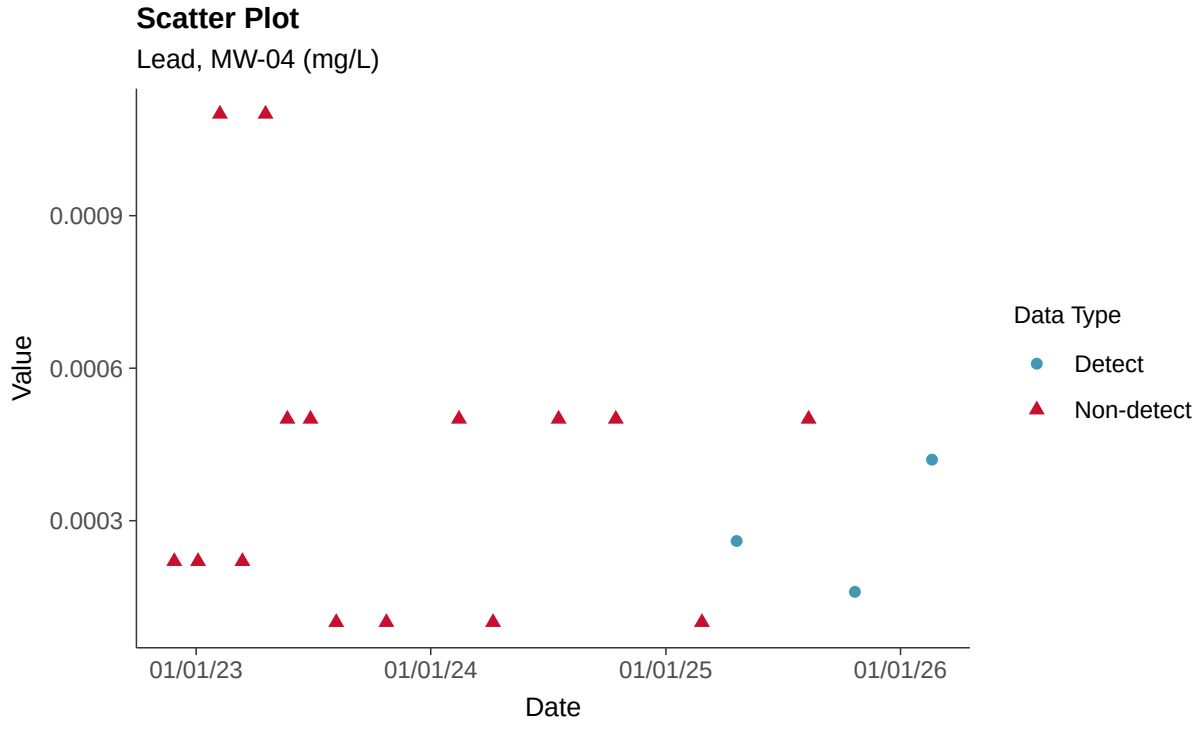
Trend Regression: Piecewise Linear-Linear-Linear

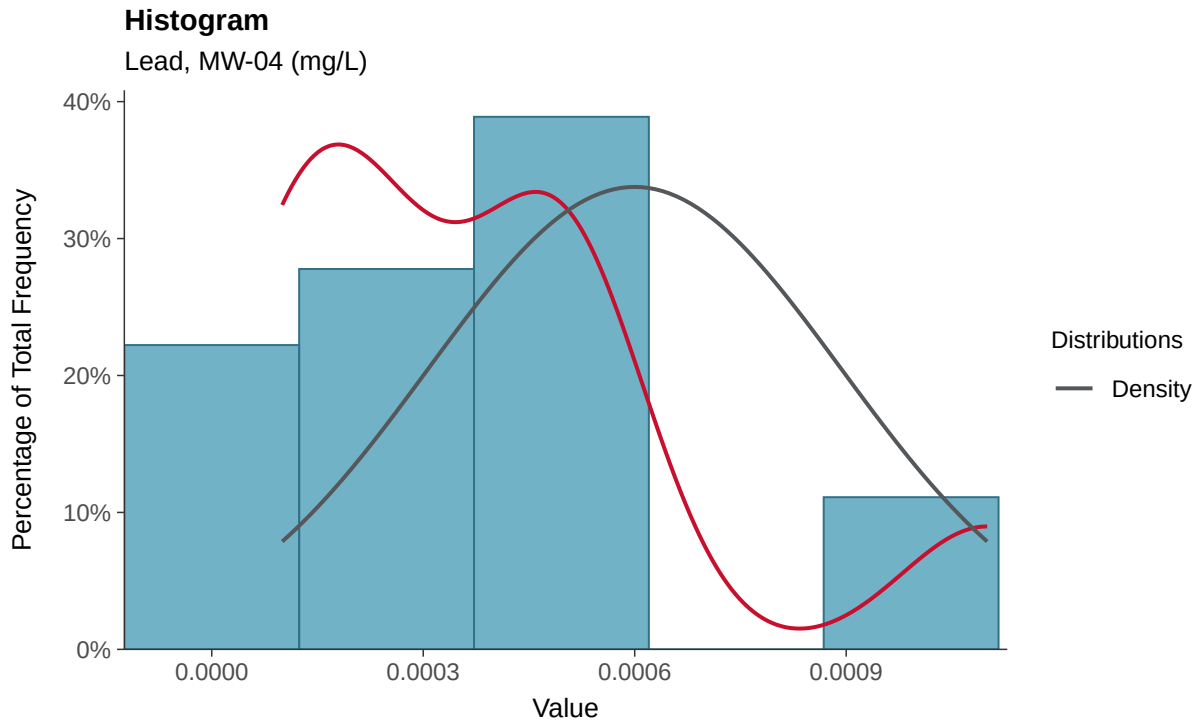
Fluoride (App IV), MW-04 (mg/L)



Appendix IV: Lead, MW-04

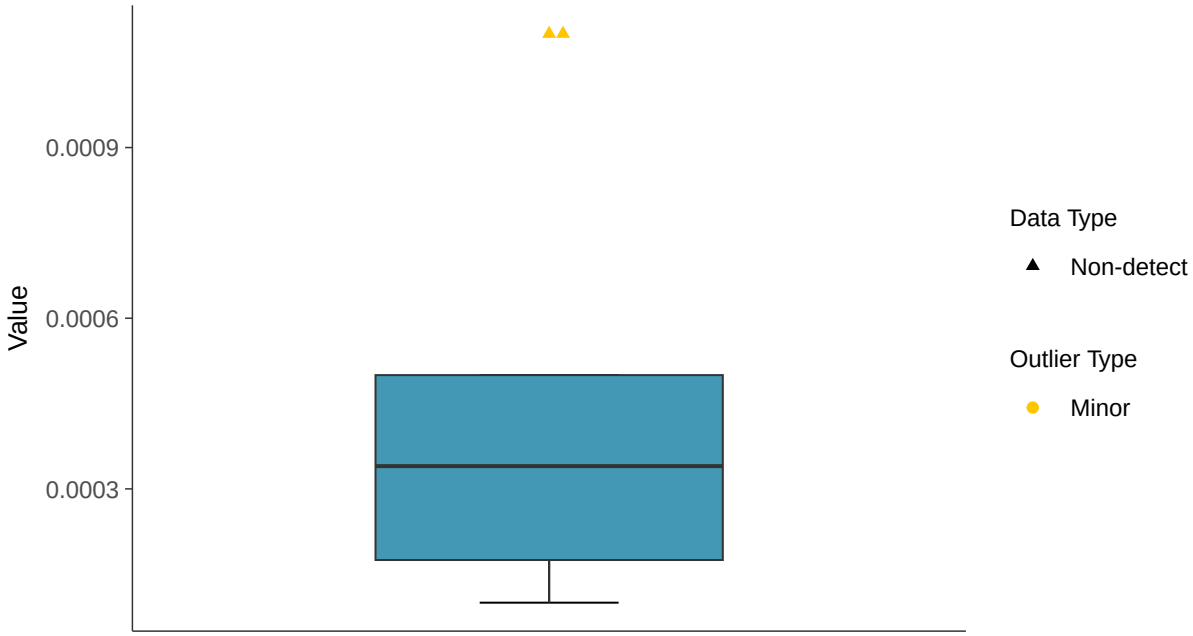
ID: 14_2_4_115





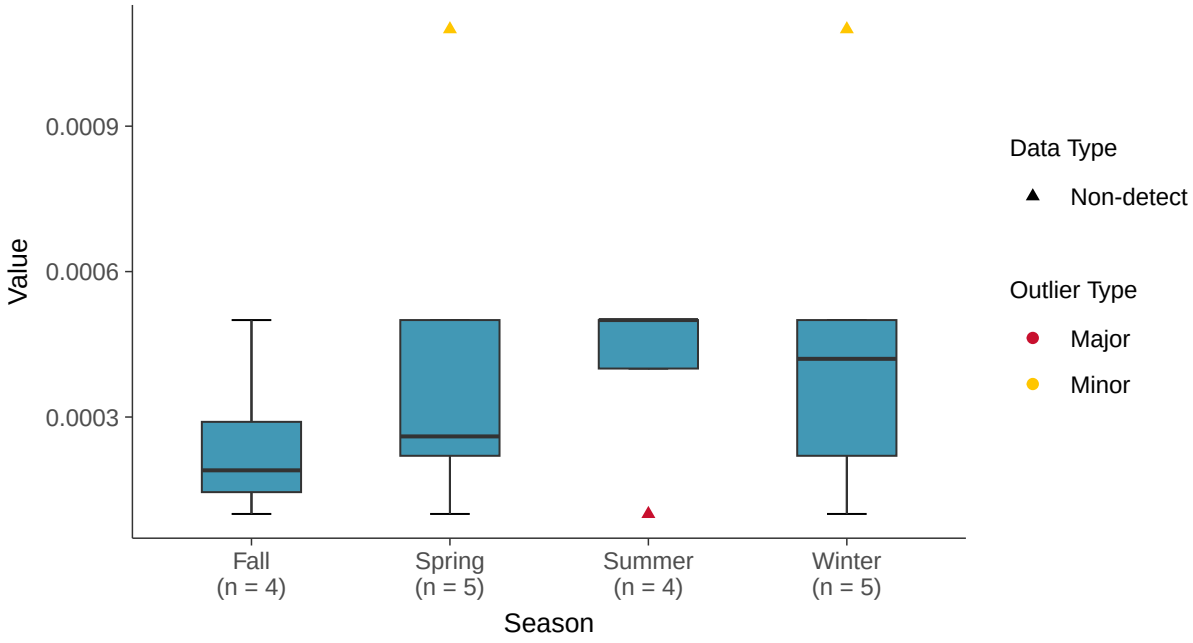
Boxplot

Lead, MW-04 (mg/L)



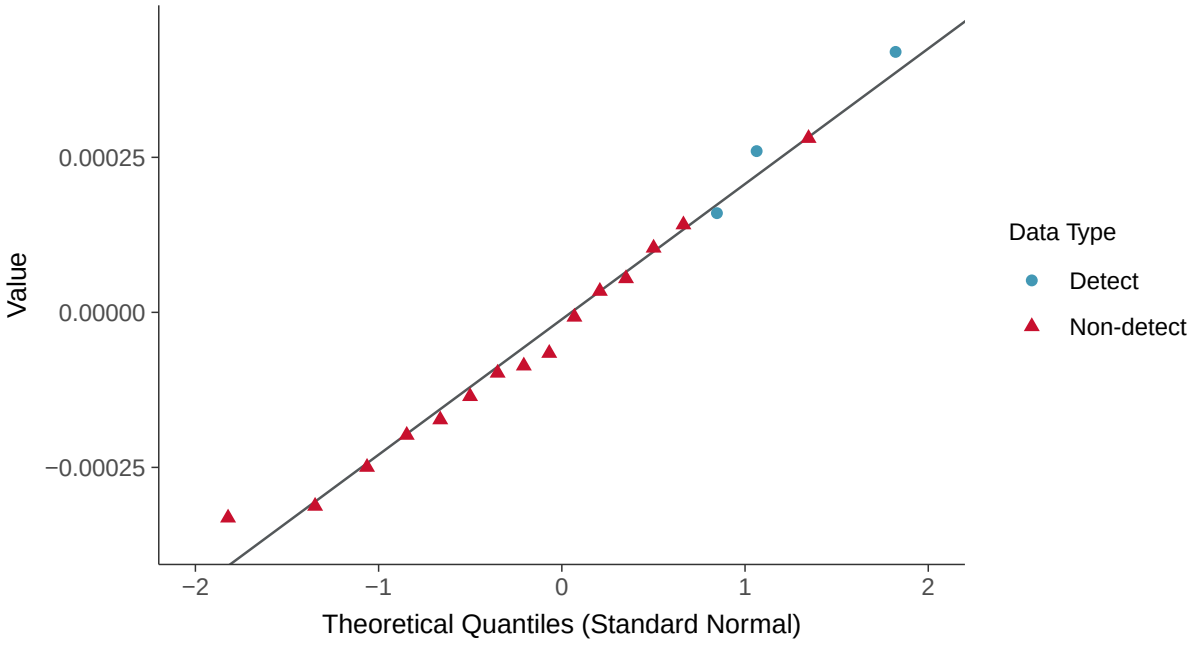
Boxplot by Season

Lead, MW-04 (mg/L)



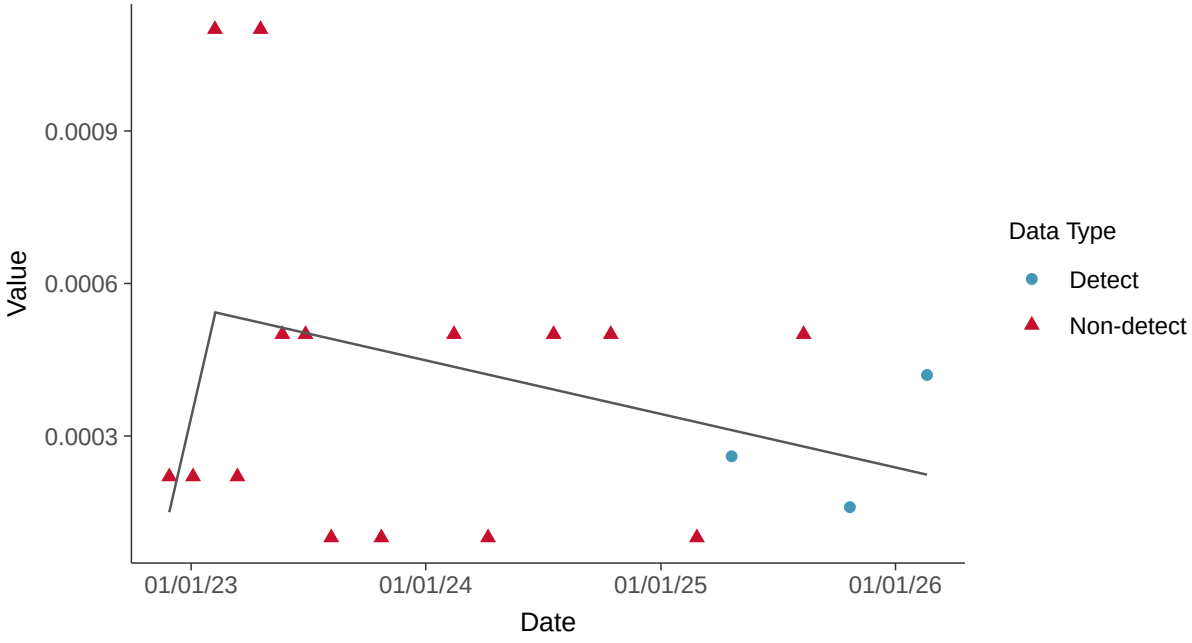
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-04 (mg/L)



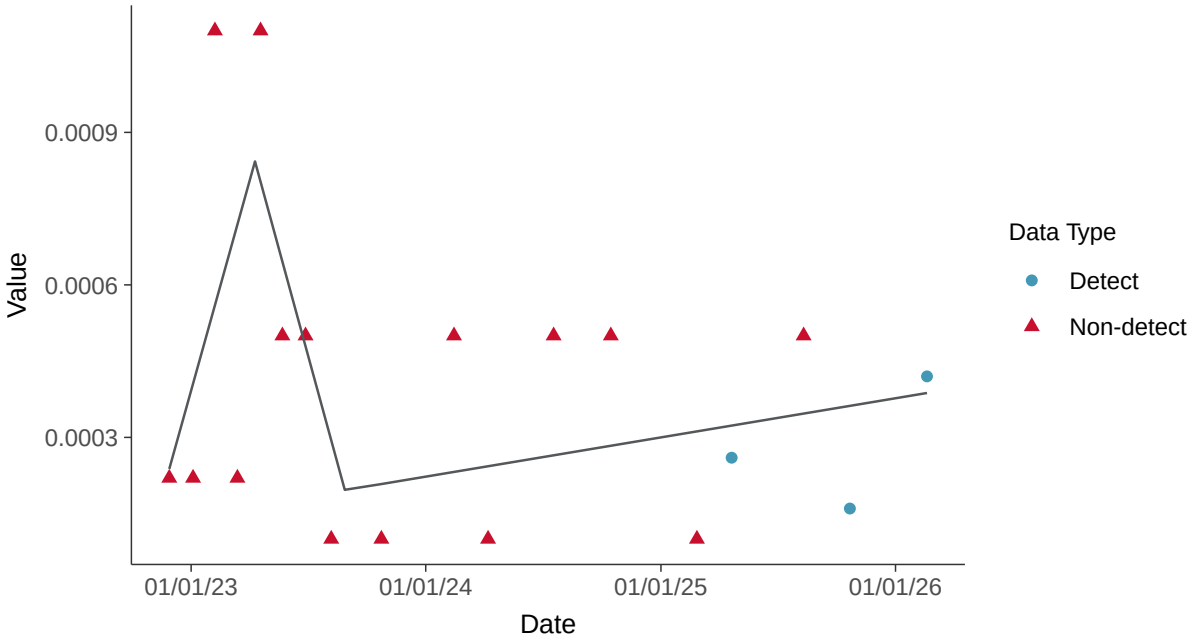
Trend Regression: Piecewise Linear-Linear

Lead, MW-04 (mg/L)



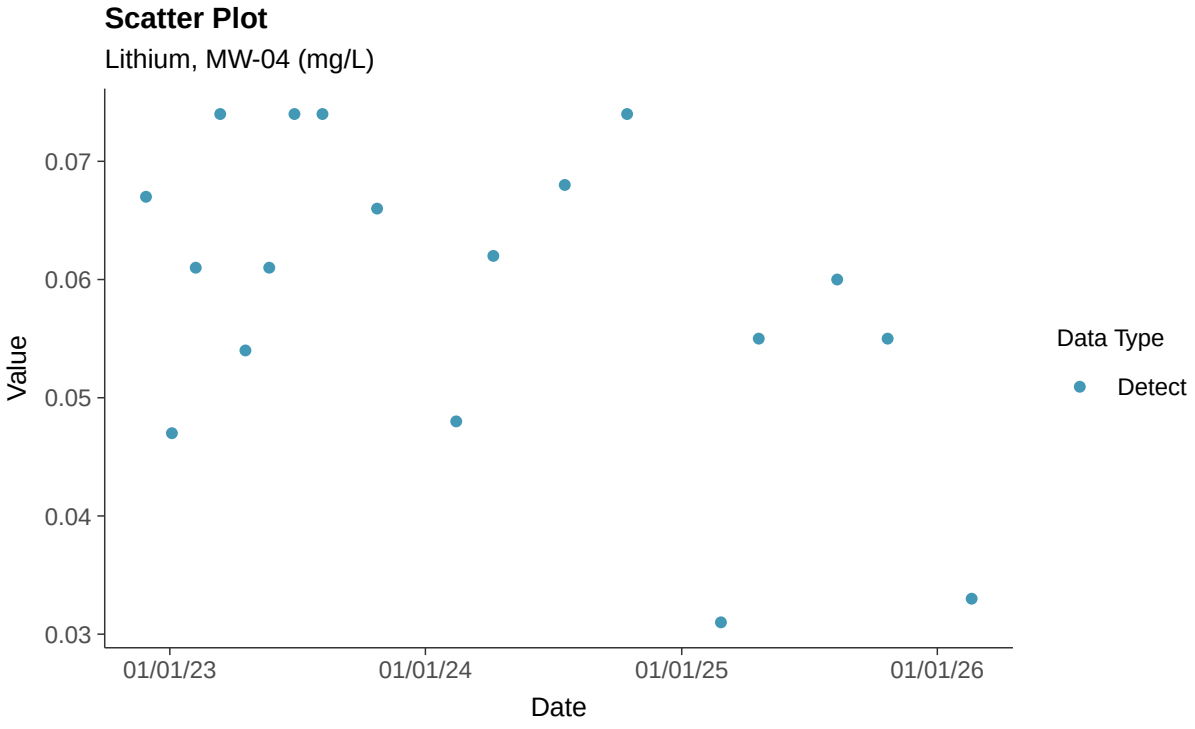
Trend Regression: Piecewise Linear-Linear-Linear

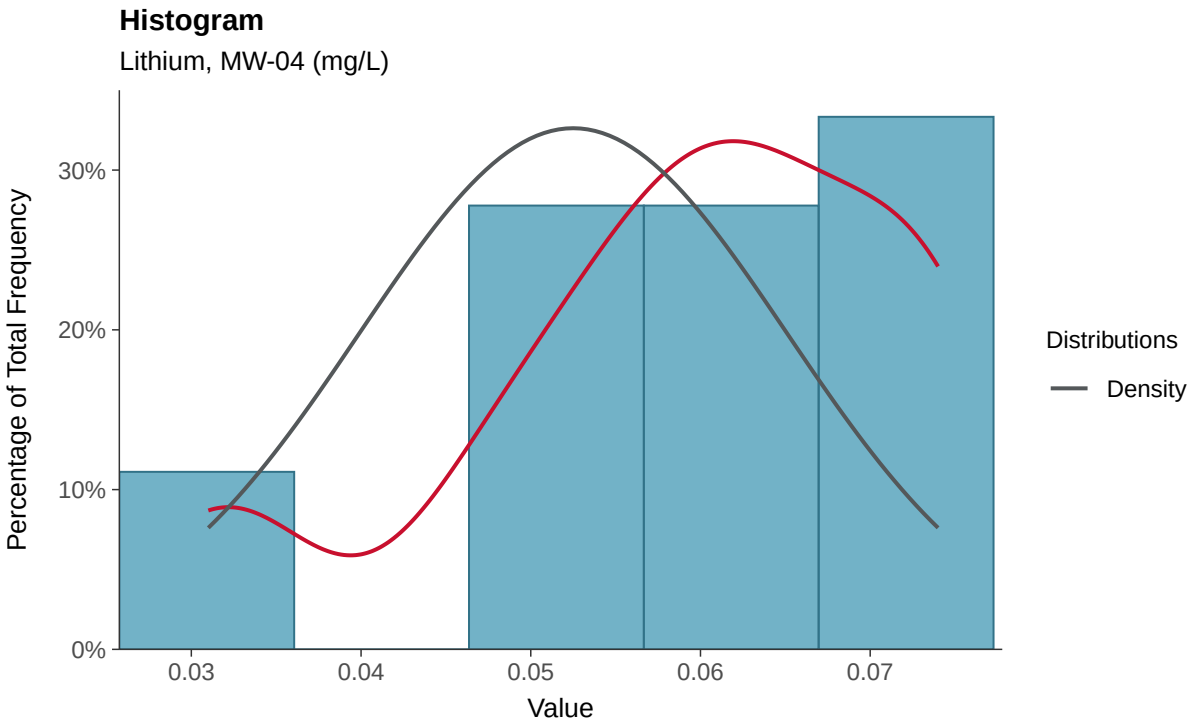
Lead, MW-04 (mg/L)



Appendix IV: Lithium, MW-04

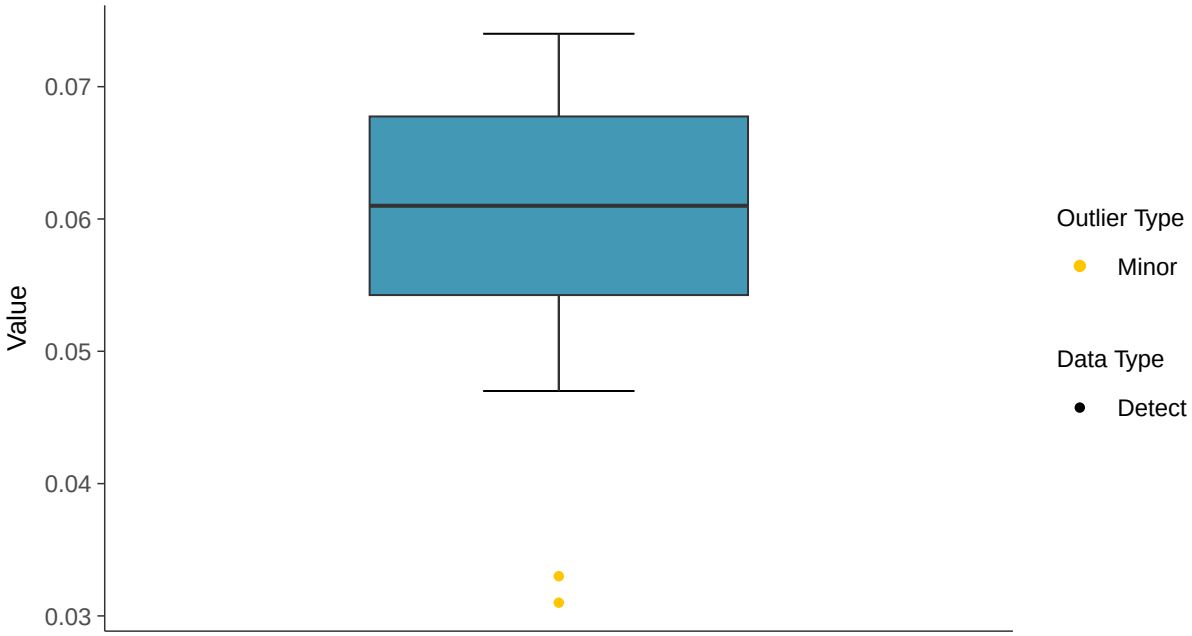
ID: 14_2_4_116





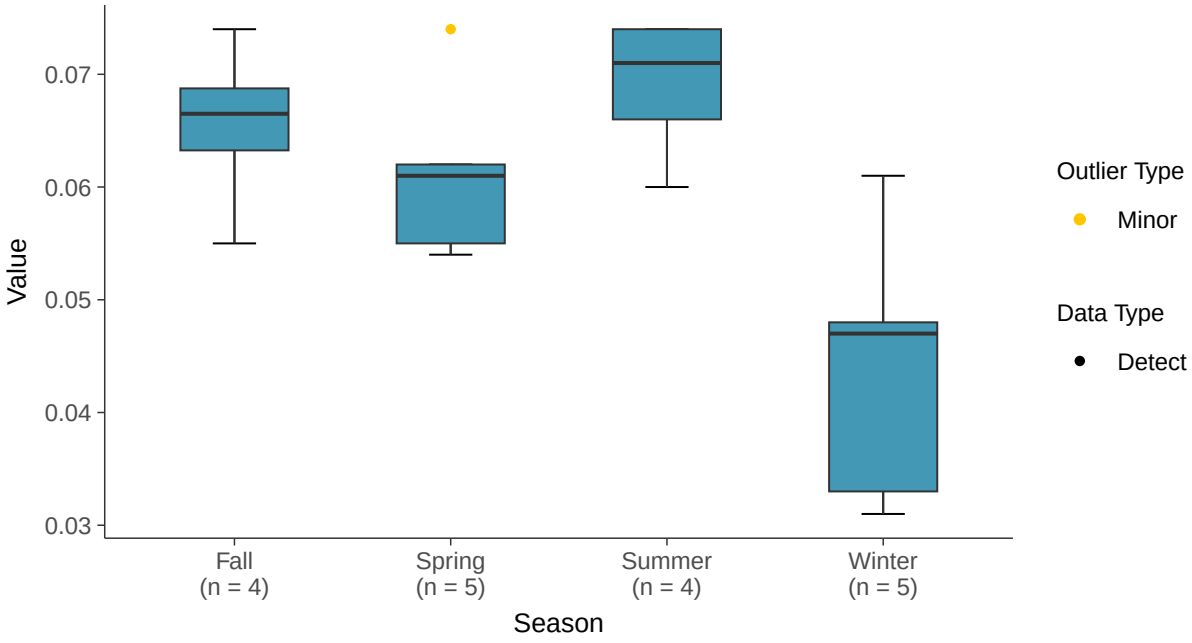
Boxplot

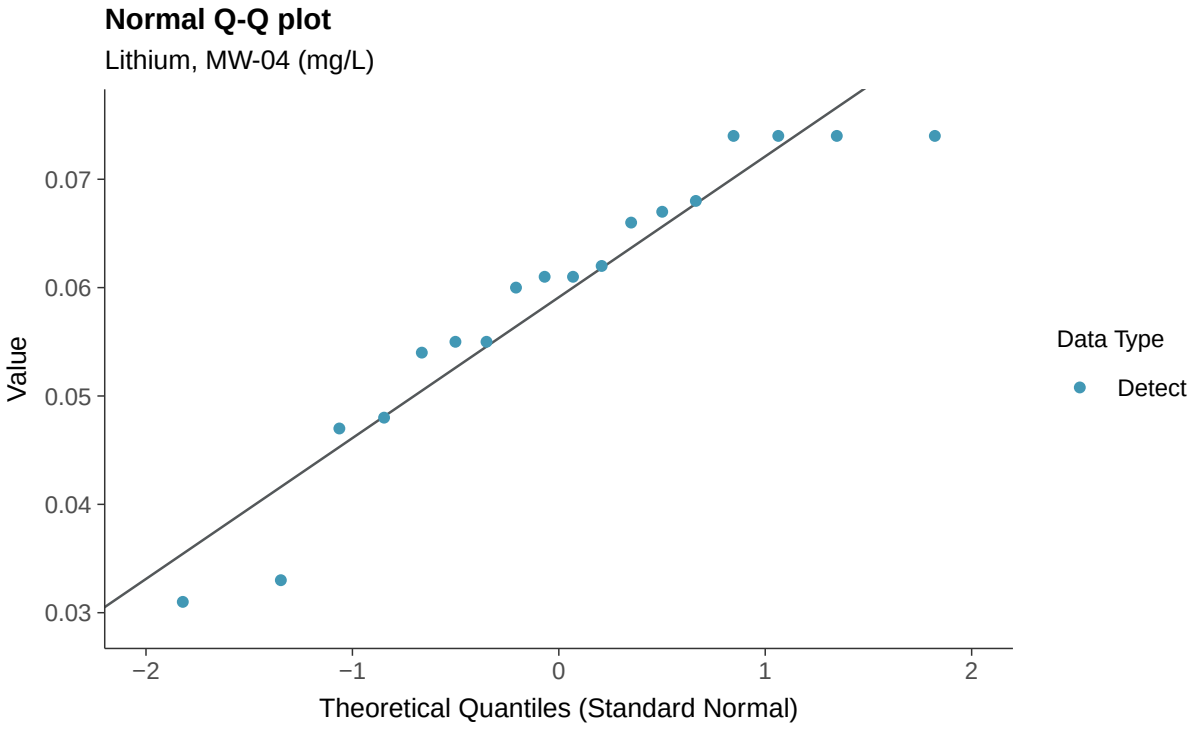
Lithium, MW-04 (mg/L)

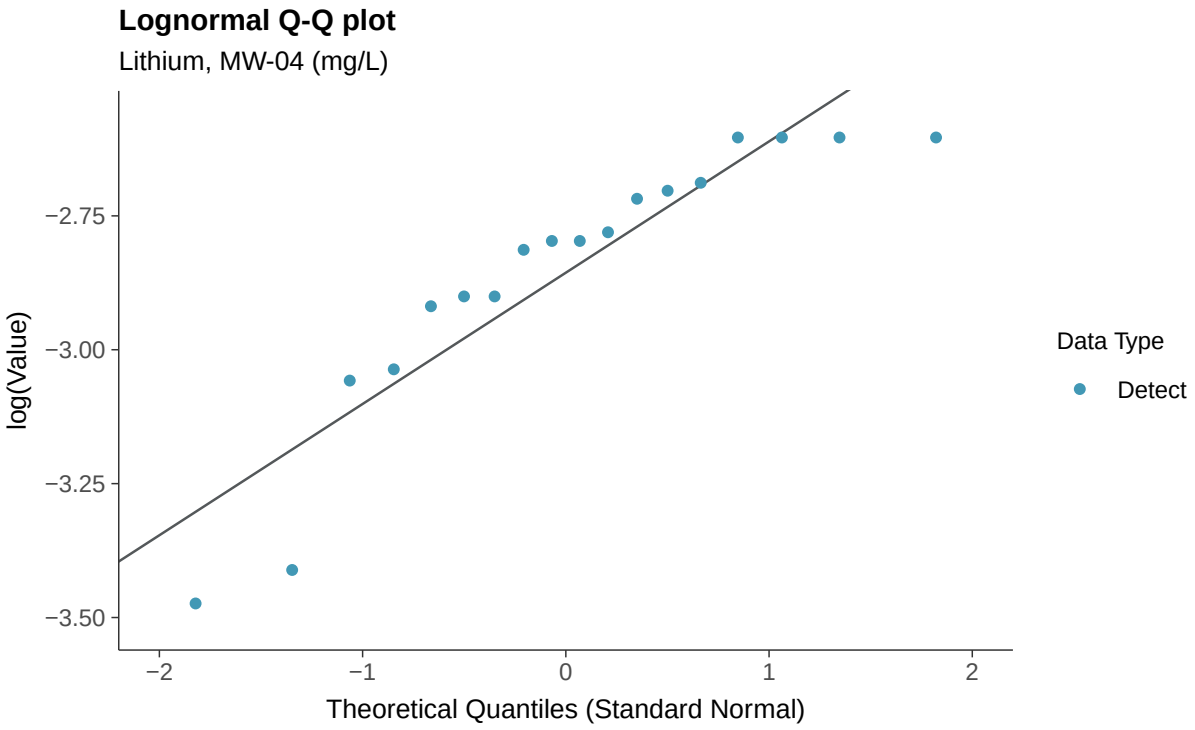


Boxplot by Season

Lithium, MW-04 (mg/L)

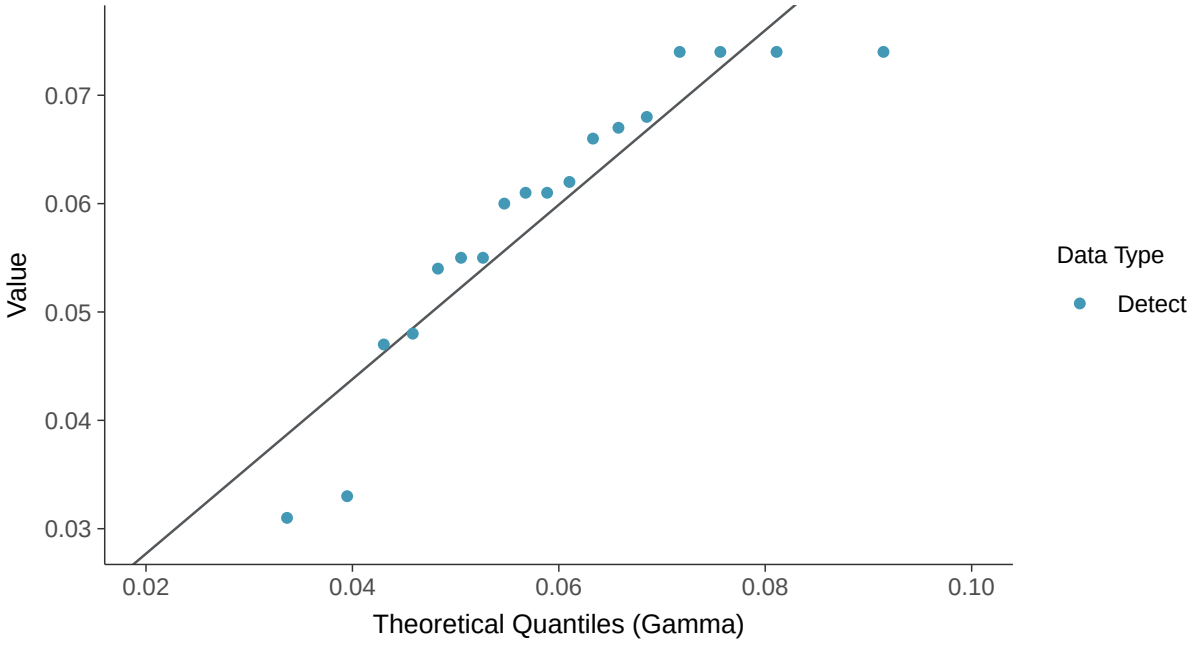



Normal Q-Q plot
Lithium, MW-04 (mg/L)
Value
0.07
0.06
0.05
0.04
0.03
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Lithium, MW-04 (mg/L)
log(Value)
−2.75
−3.00
−3.25
−3.50
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

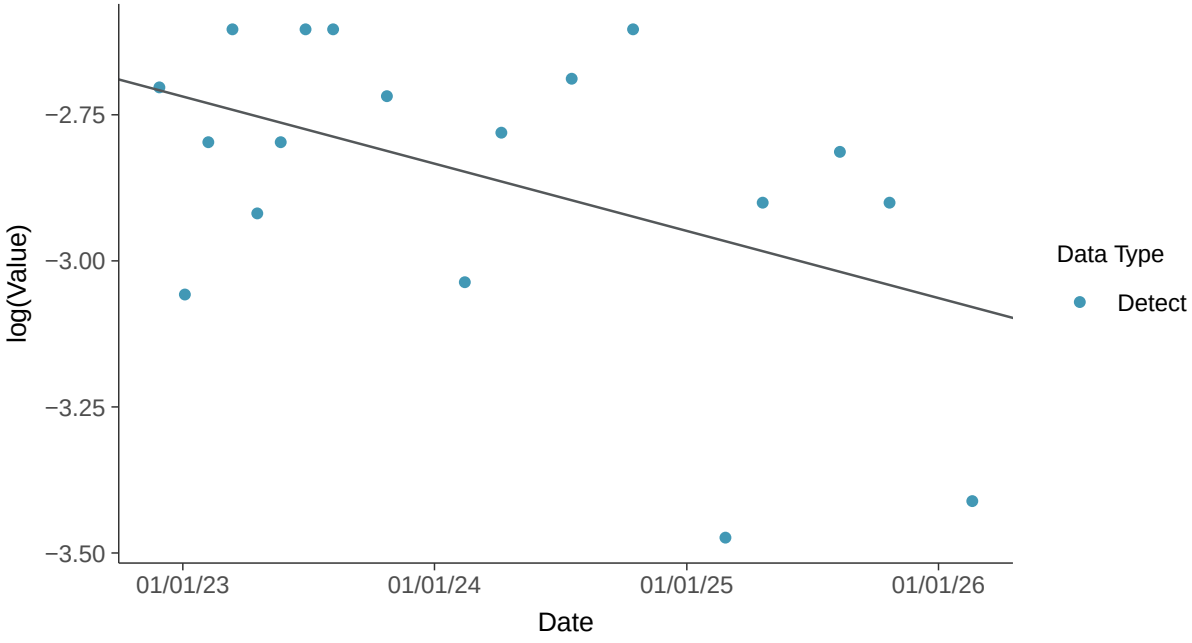
Gamma Q-Q plot

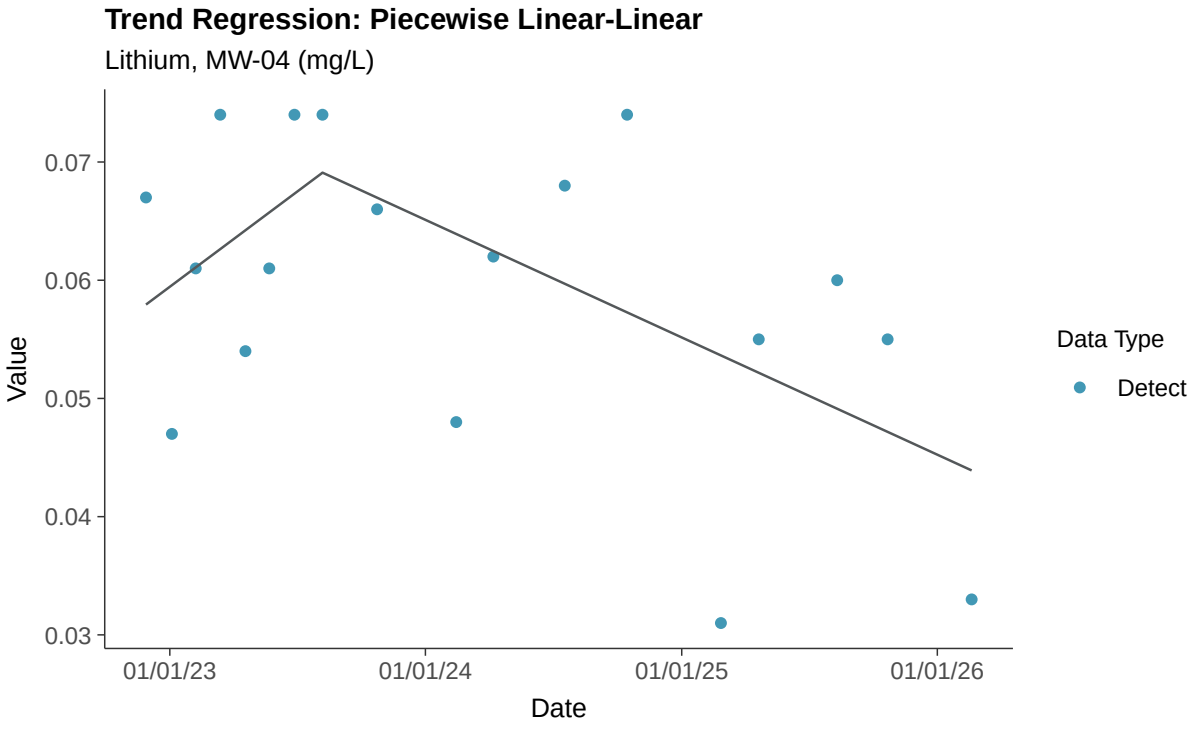
Lithium, MW-04 (mg/L)



Trend Regression: Lognormal MLE

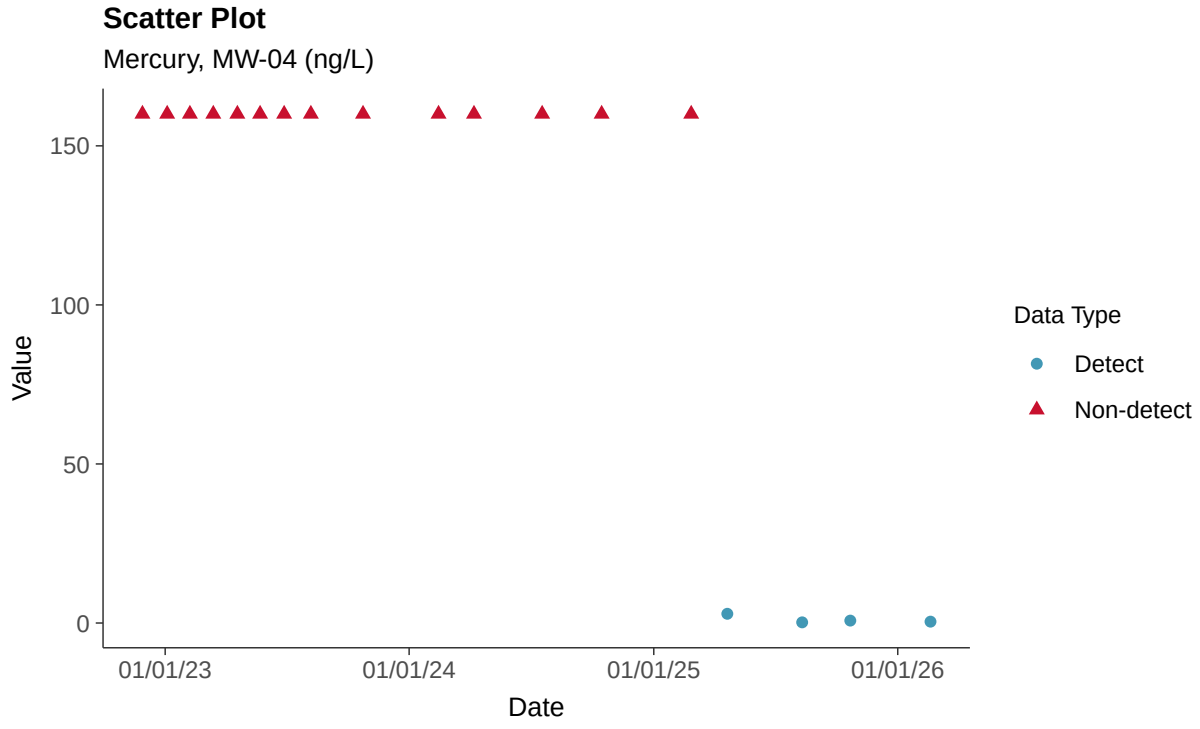
Lithium, MW-04 (mg/L)

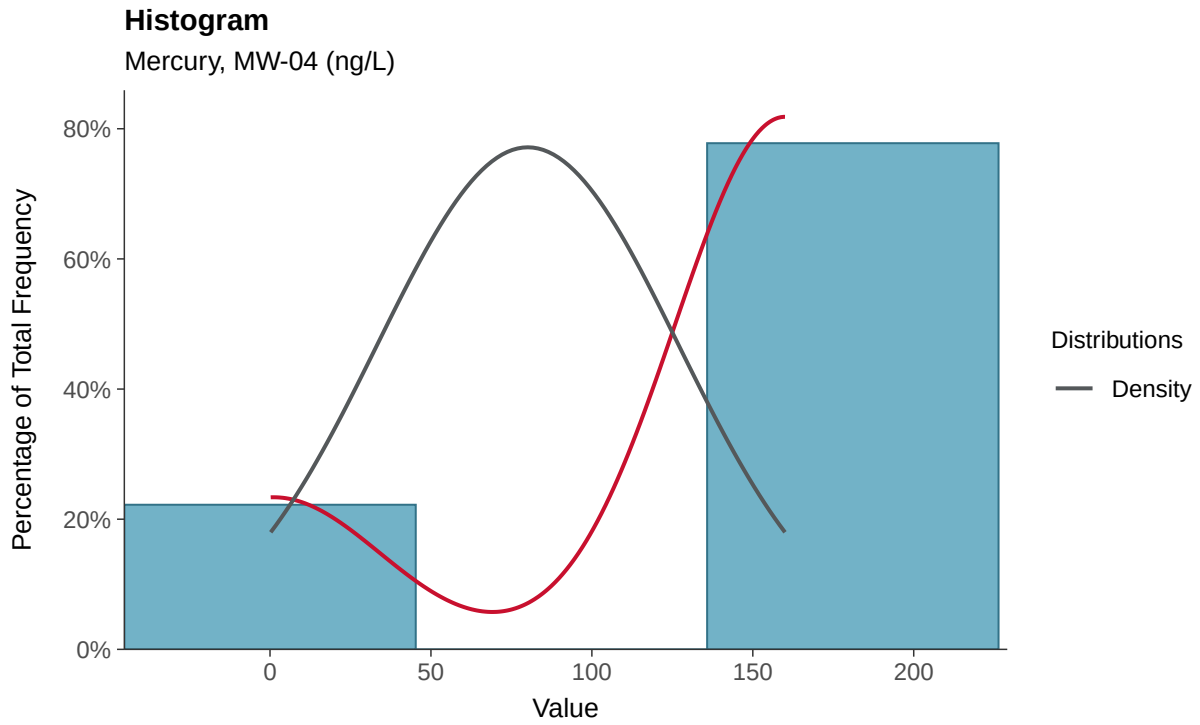



Trend Regression: Piecewise Linear-Linear
Lithium, MW-04 (mg/L)
Value
0.07
0.06
0.05
0.04
0.03
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Mercury, MW-04

ID: 14_2_4_117



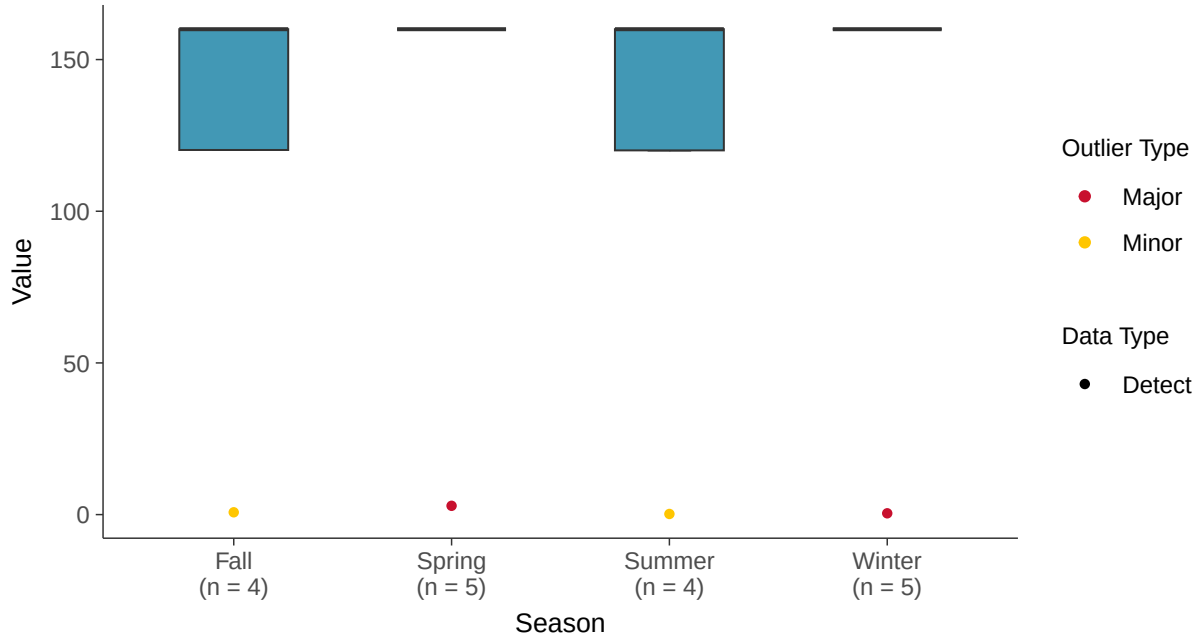


Boxplot

Mercury, MW-04 (ng/L)

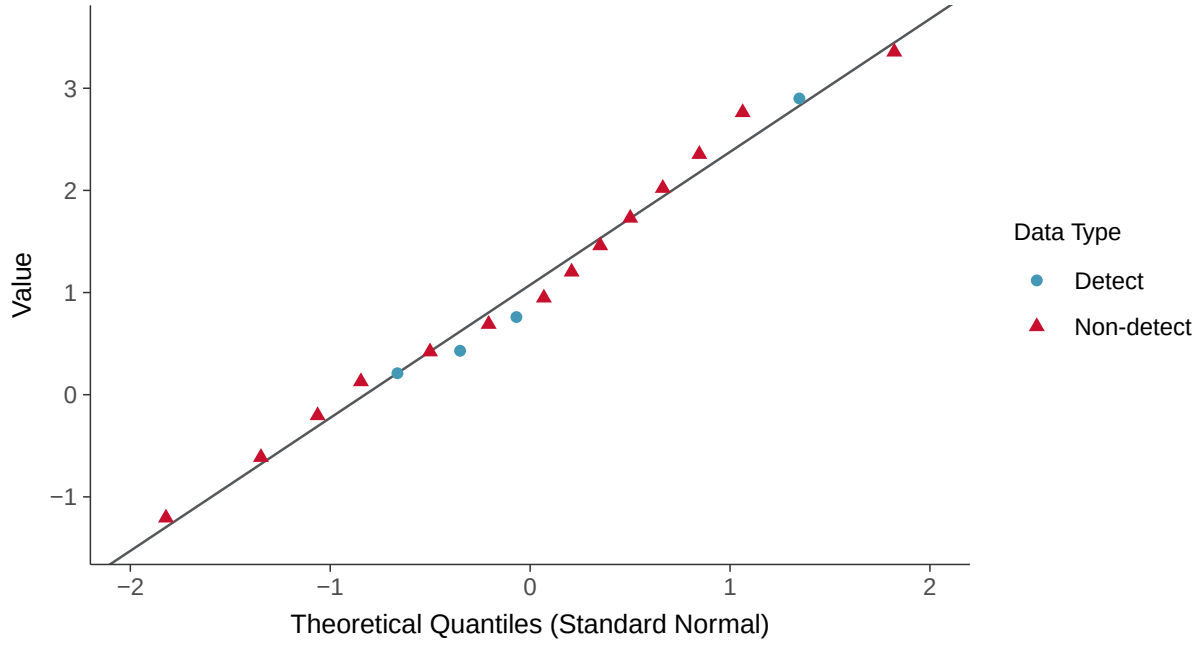
Boxplot by Season

Mercury, MW-04 (ng/L)



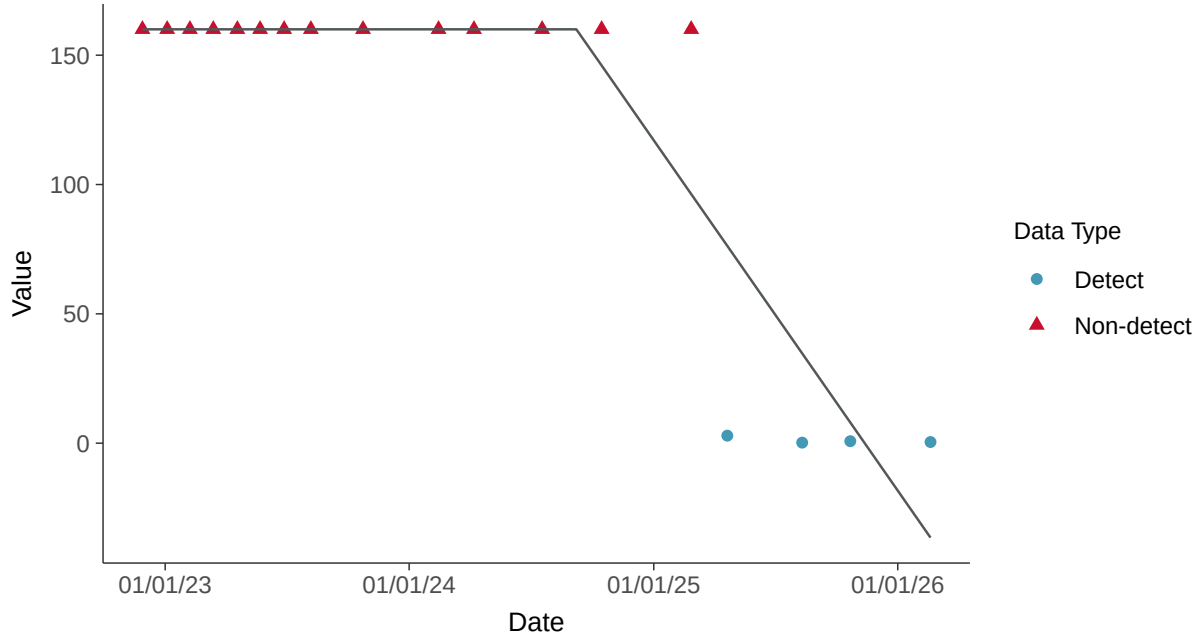
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-04 (ng/L)



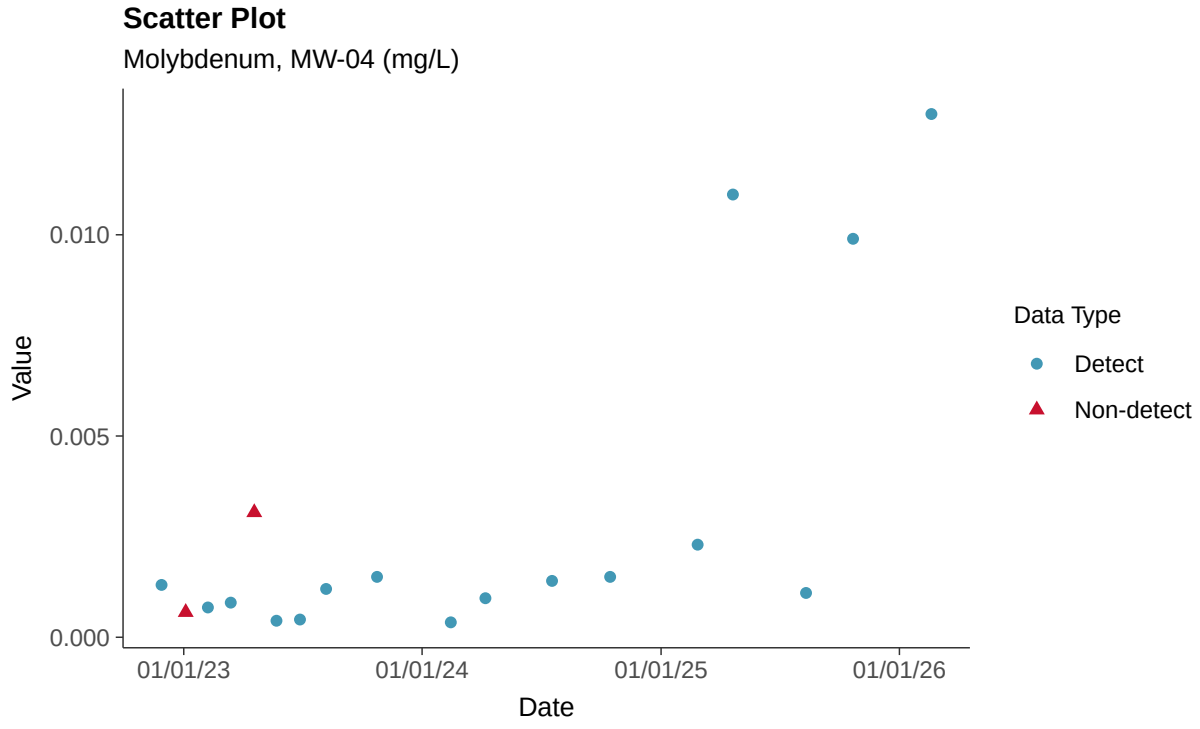
Trend Regression: Piecewise Linear-Linear

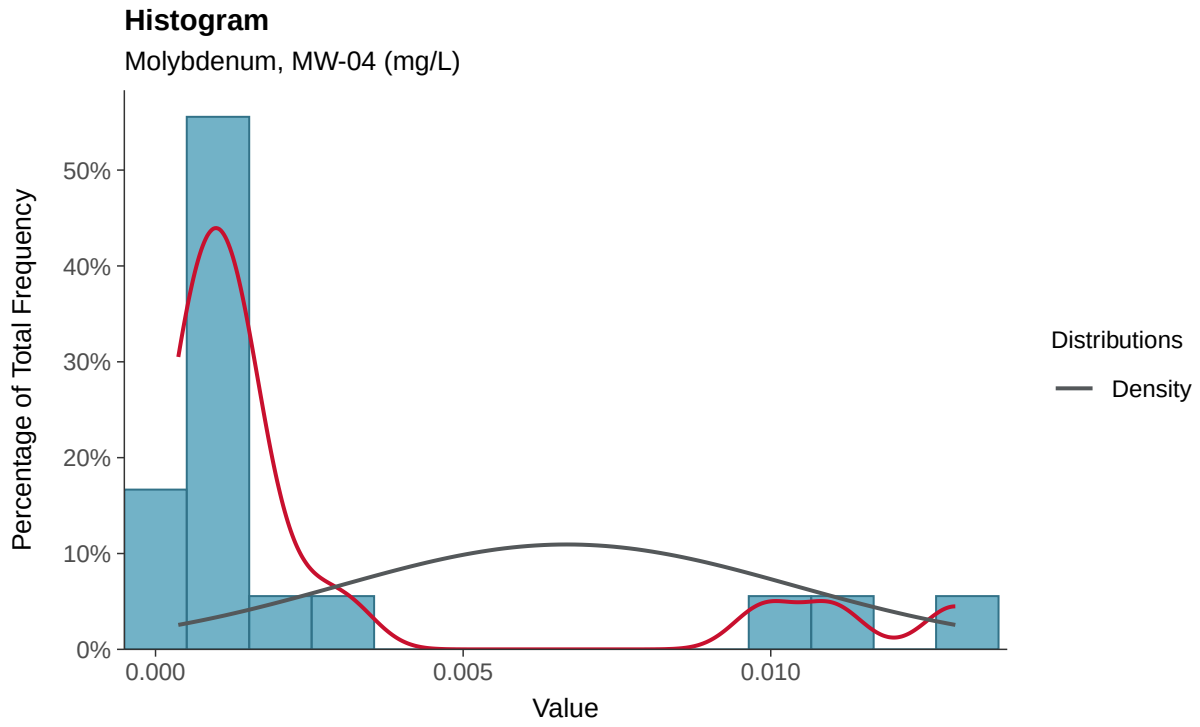
Mercury, MW-04 (ng/L)



Appendix IV: Molybdenum, MW-04

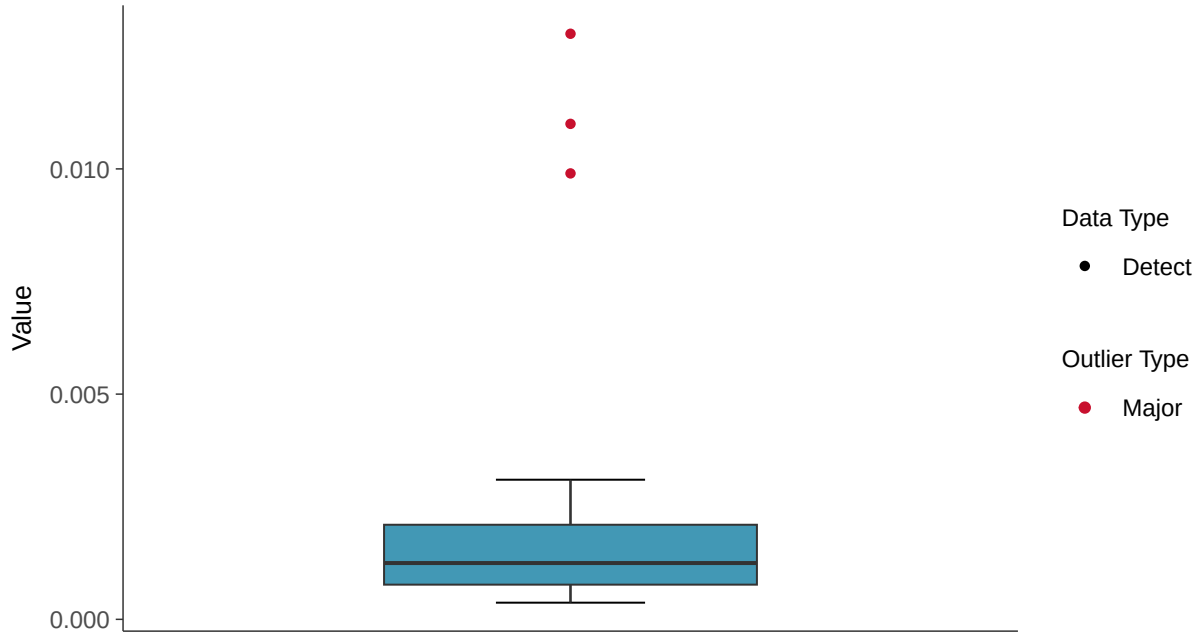
ID: 14_2_4_118





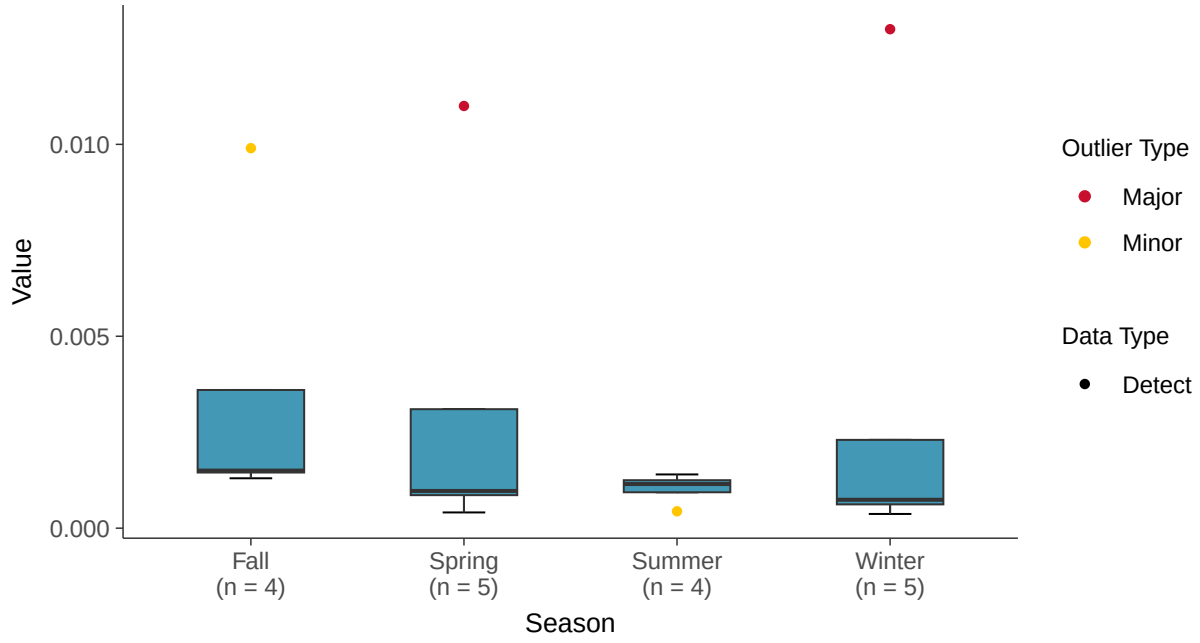
Boxplot

Molybdenum, MW-04 (mg/L)



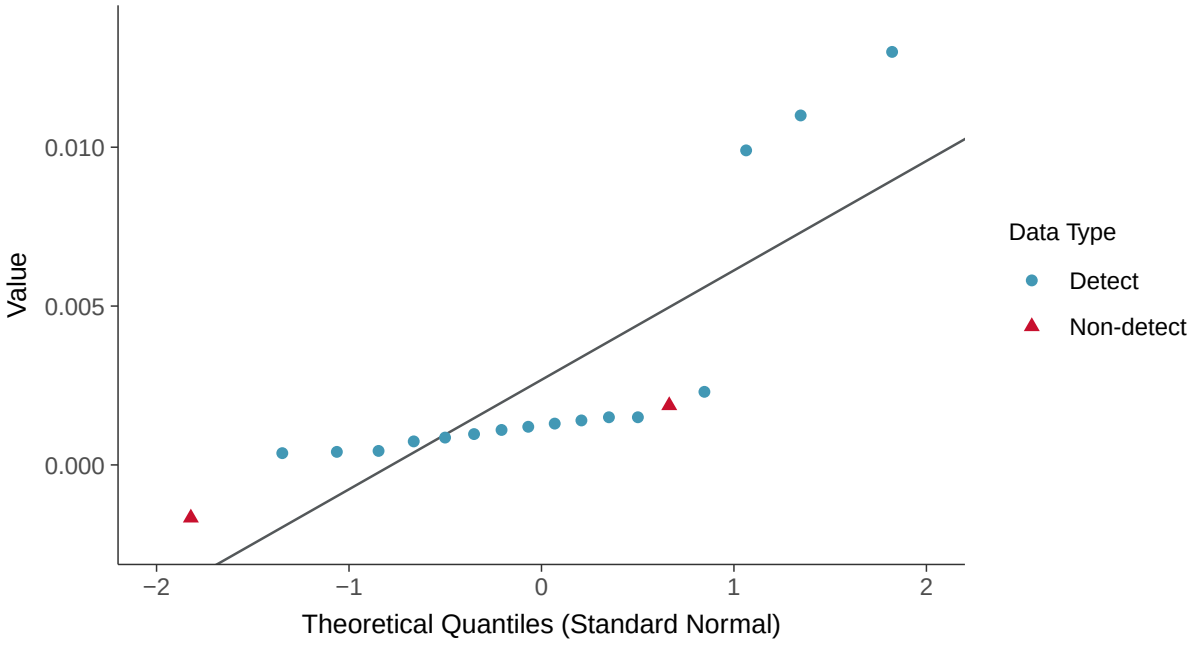
Boxplot by Season

Molybdenum, MW-04 (mg/L)



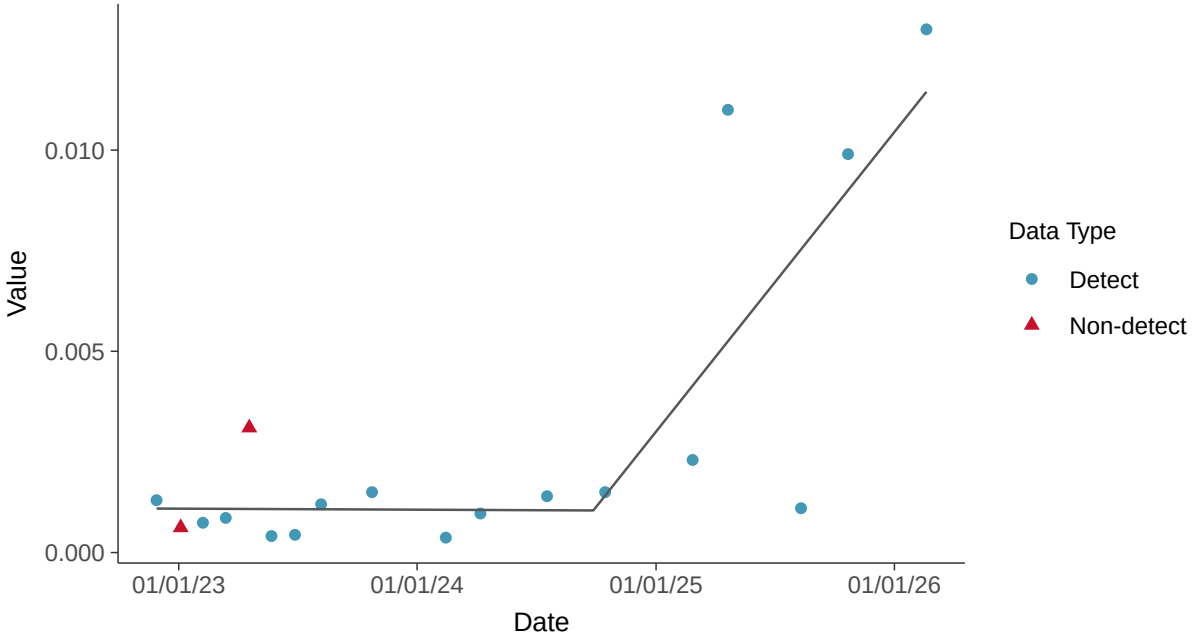
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-04 (mg/L)



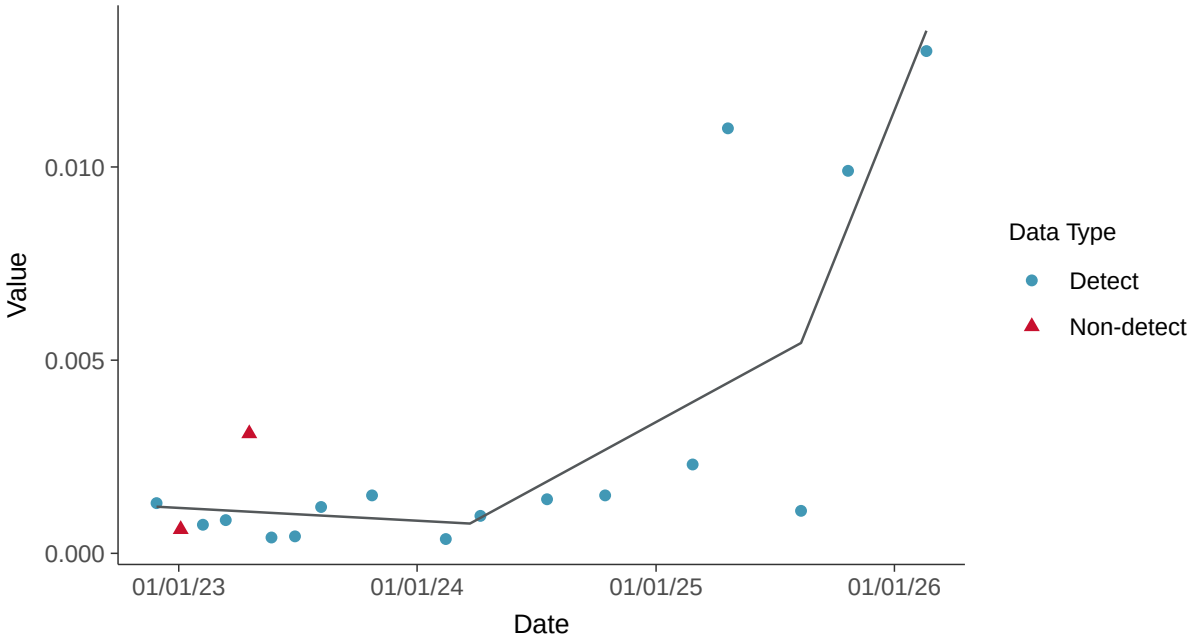
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-04 (mg/L)



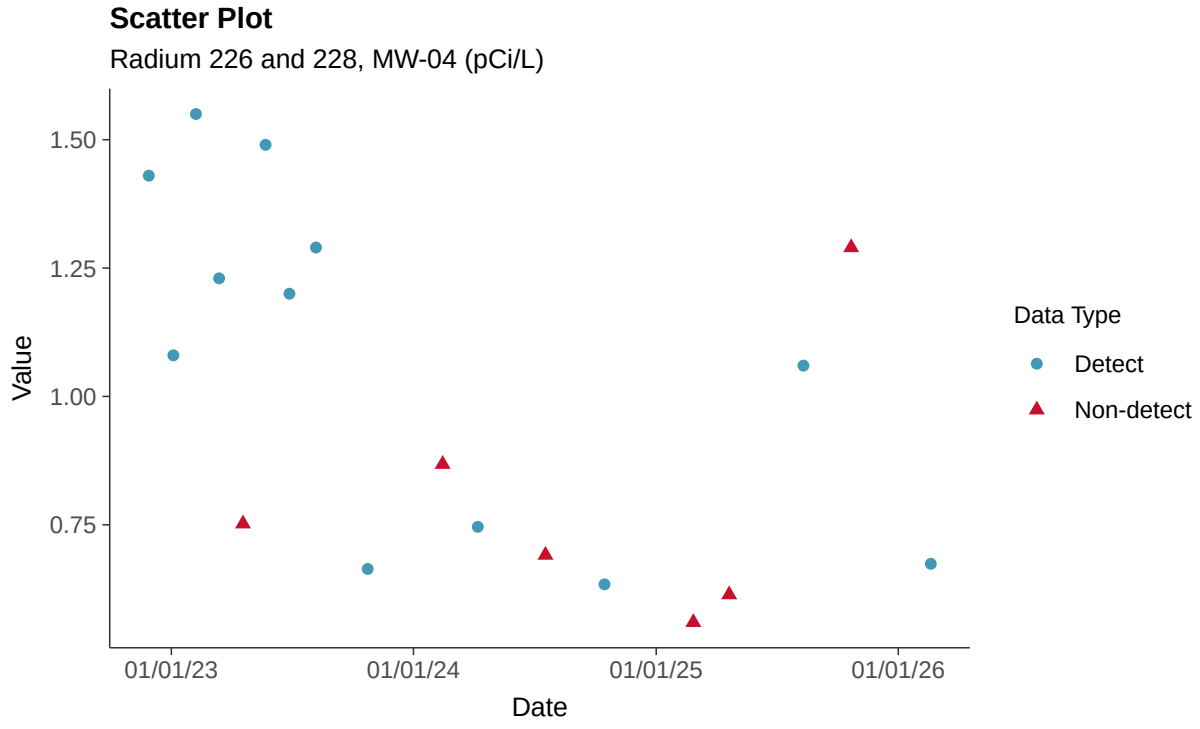
Trend Regression: Piecewise Linear-Linear-Linear

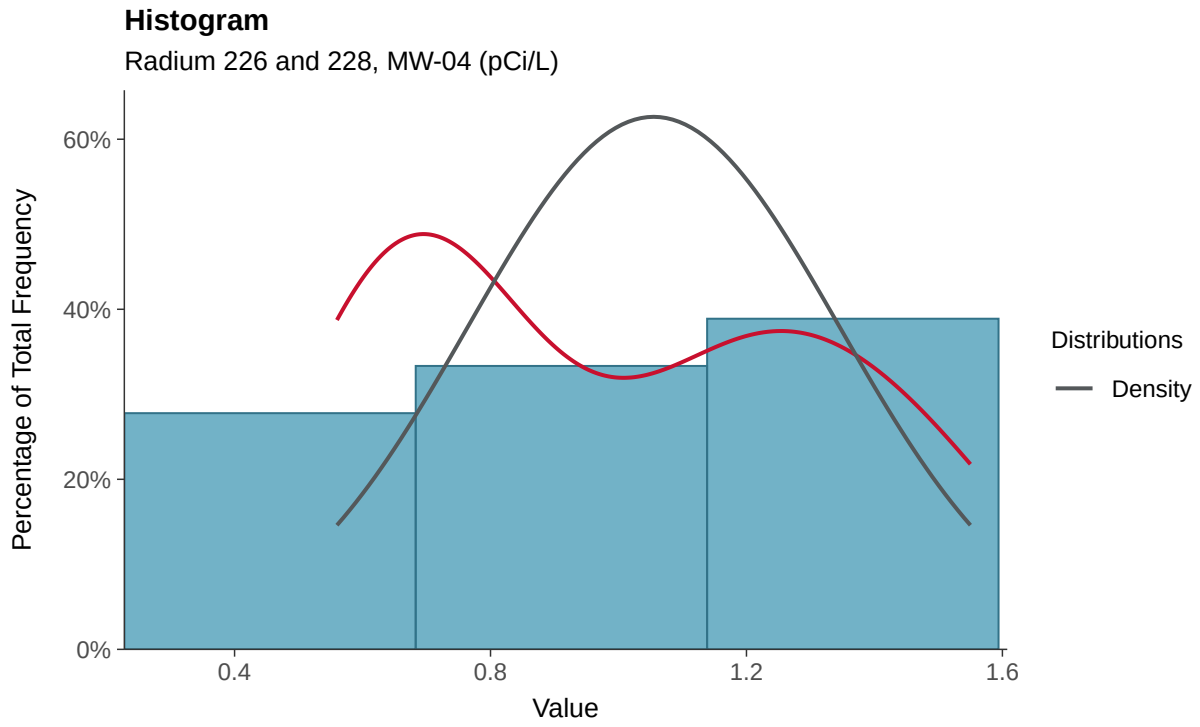
Molybdenum, MW-04 (mg/L)



Appendix IV: Radium 226 and 228, MW-04

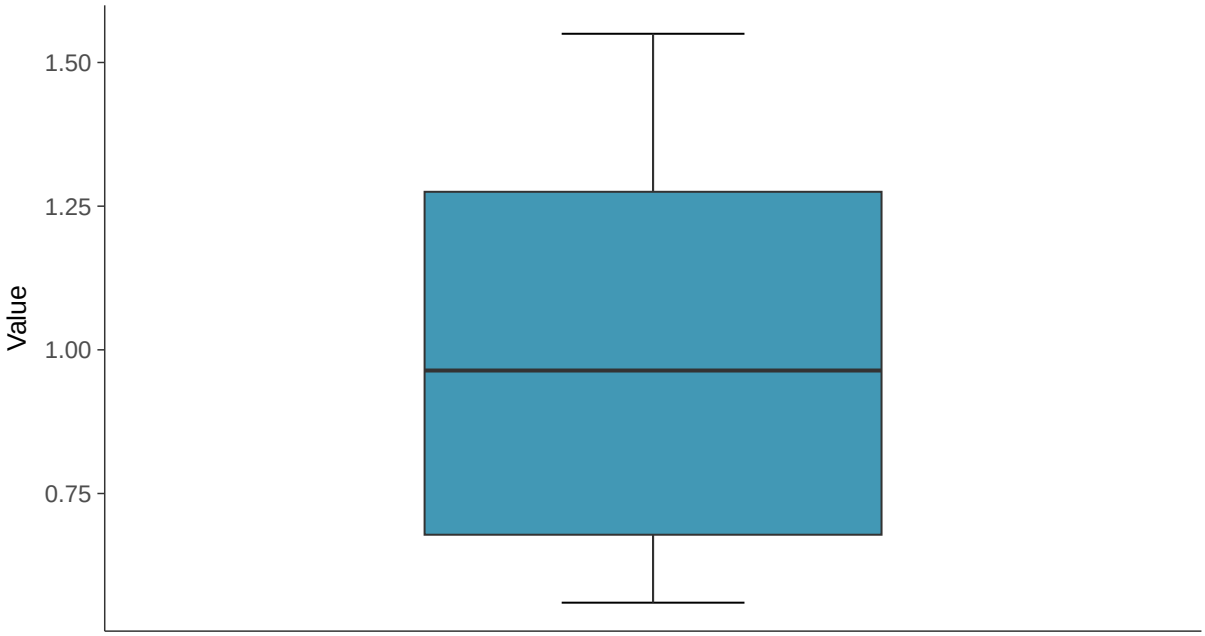
ID: 14_2_4_121





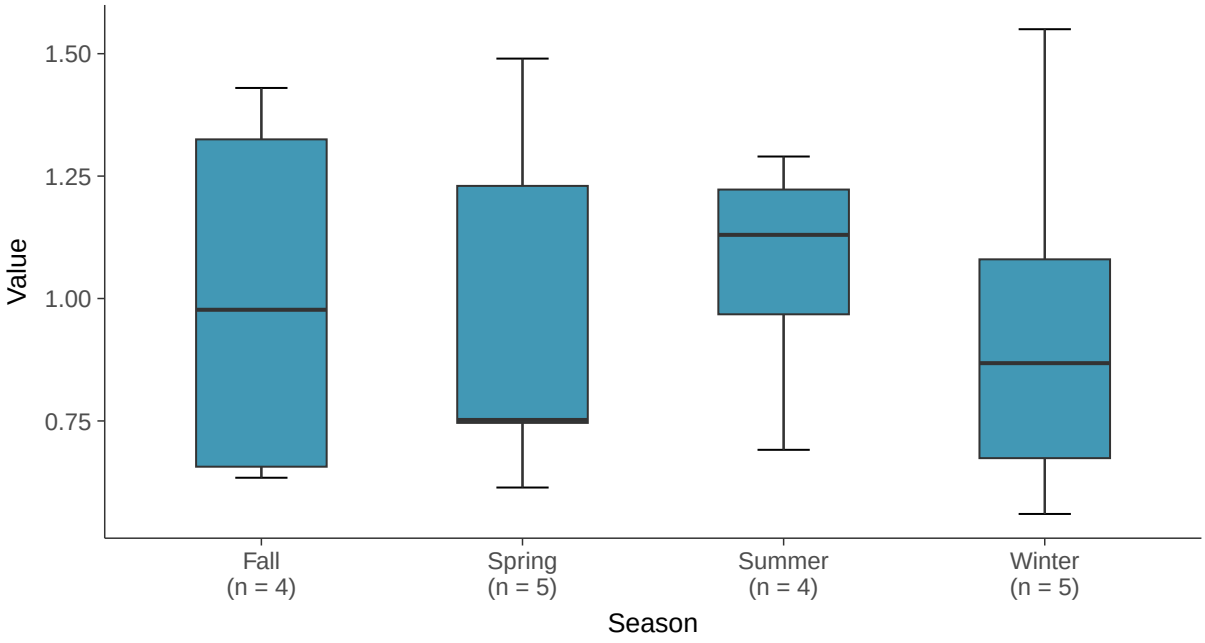
Boxplot

Radium 226 and 228, MW-04 (pCi/L)



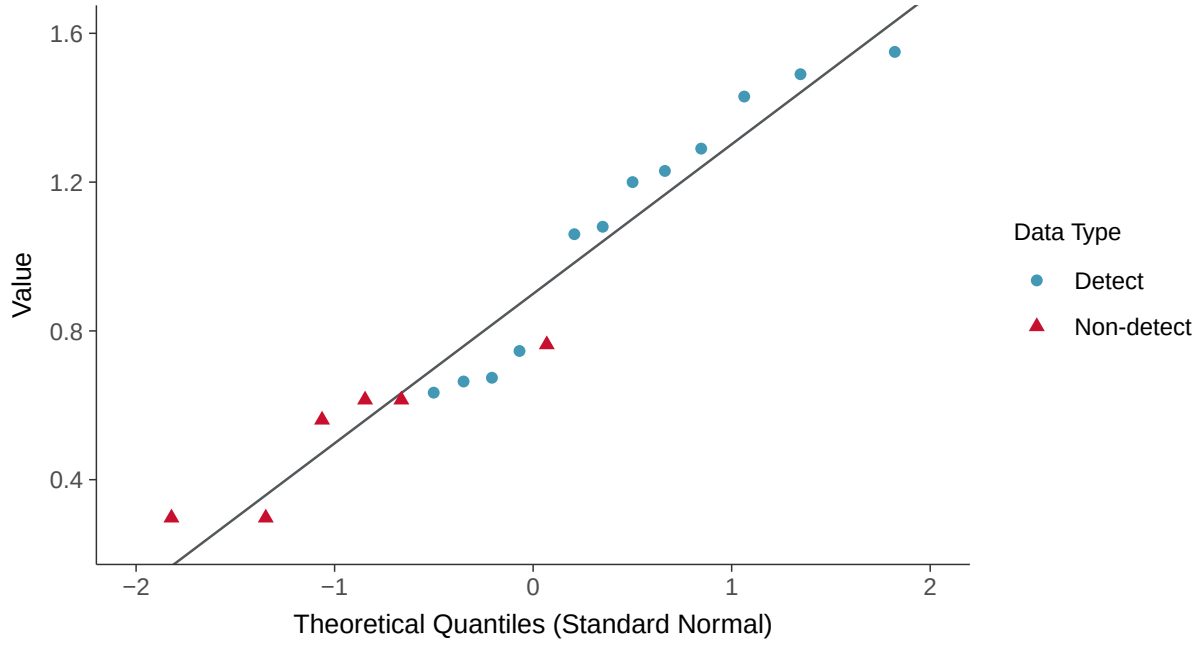
Boxplot by Season

Radium 226 and 228, MW-04 (pCi/L)



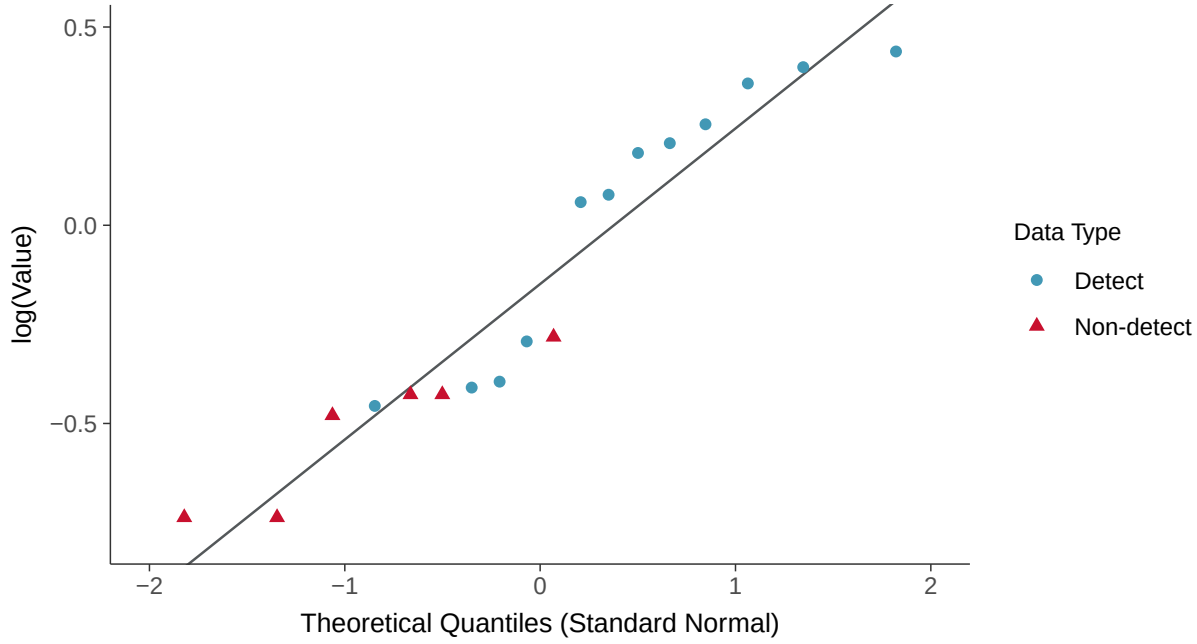
Normal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-04 (pCi/L)



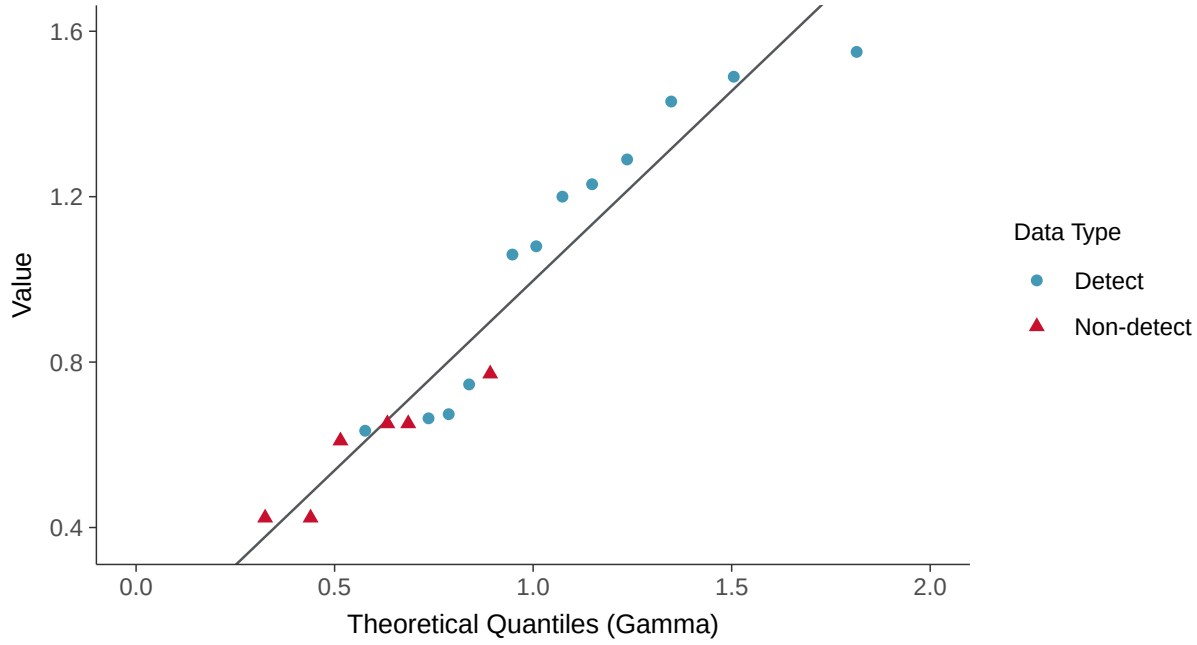
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-04 (pCi/L)



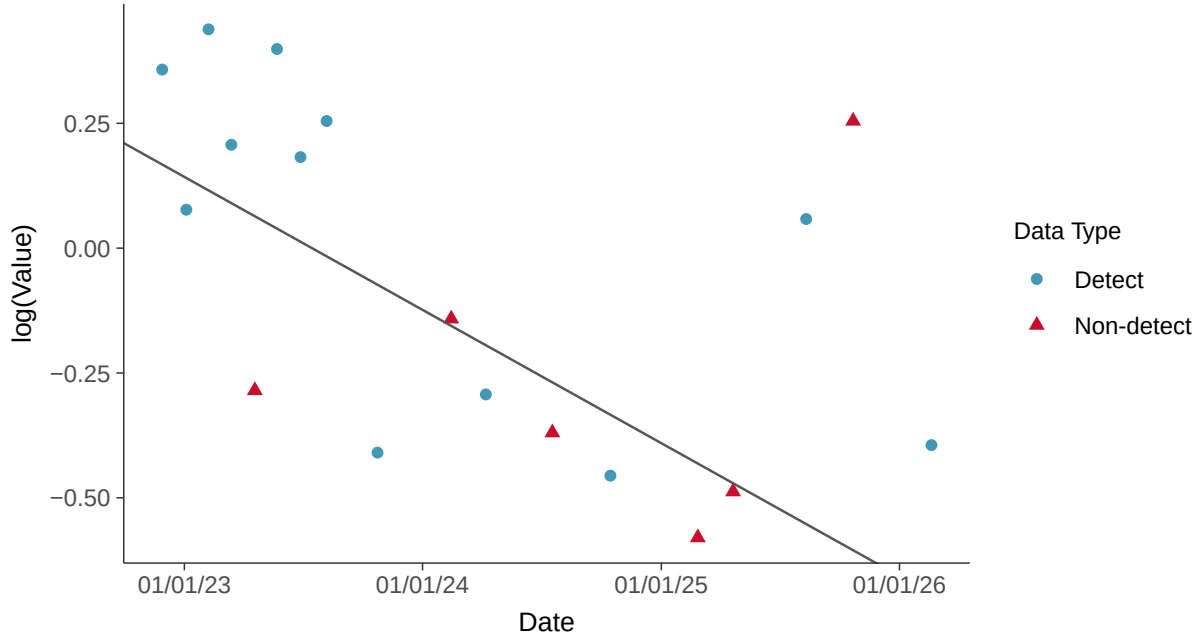
Gamma Q-Q plot using ROS Imputed Estimates

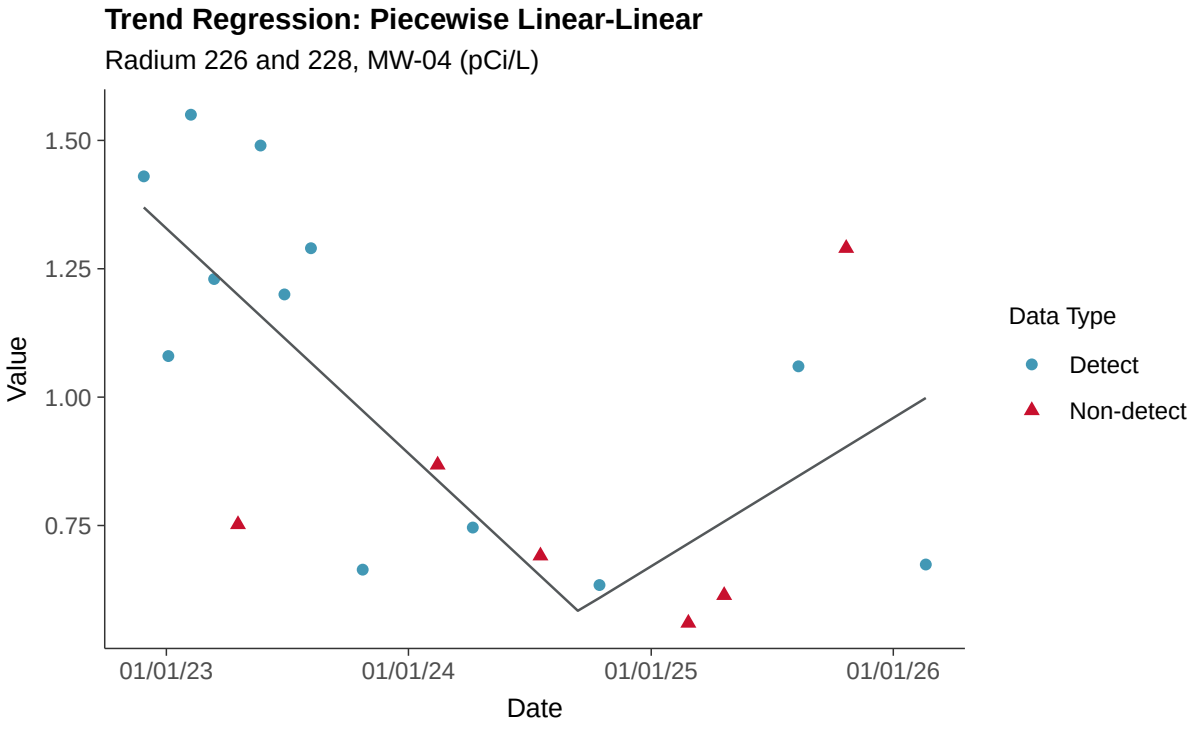
Radium 226 and 228, MW-04 (pCi/L)



Trend Regression: Lognormal MLE

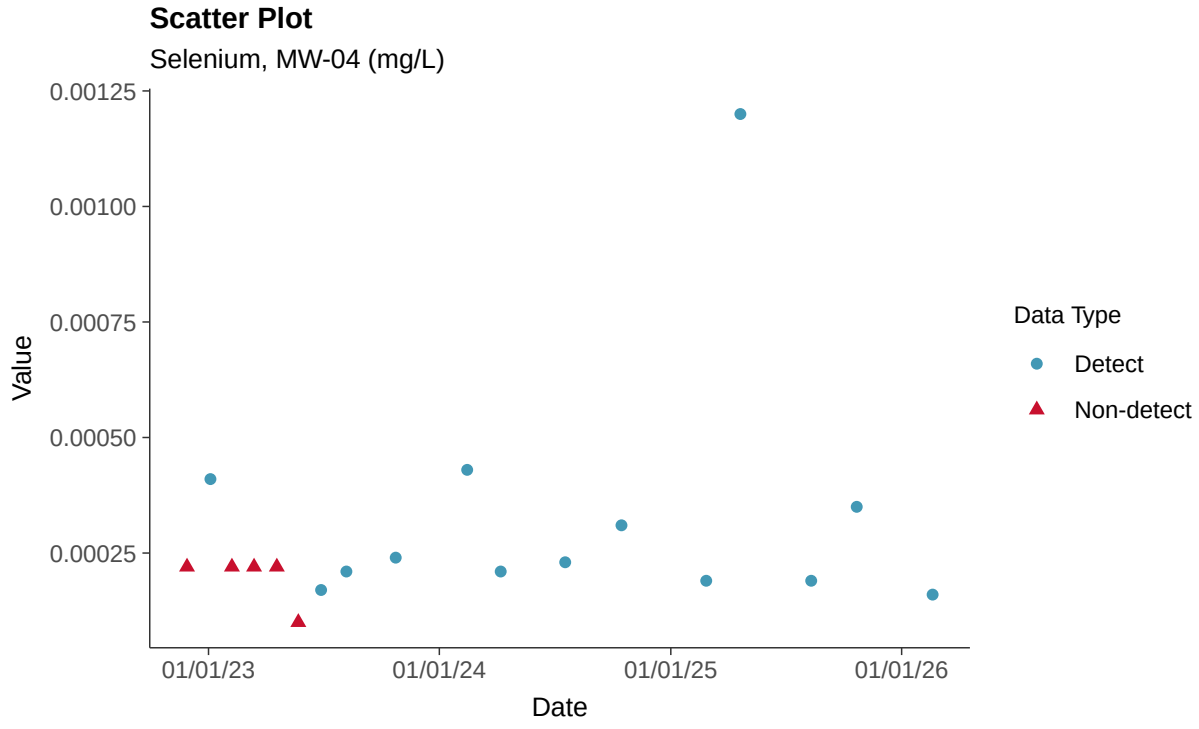
Radium 226 and 228, MW-04 (pCi/L)

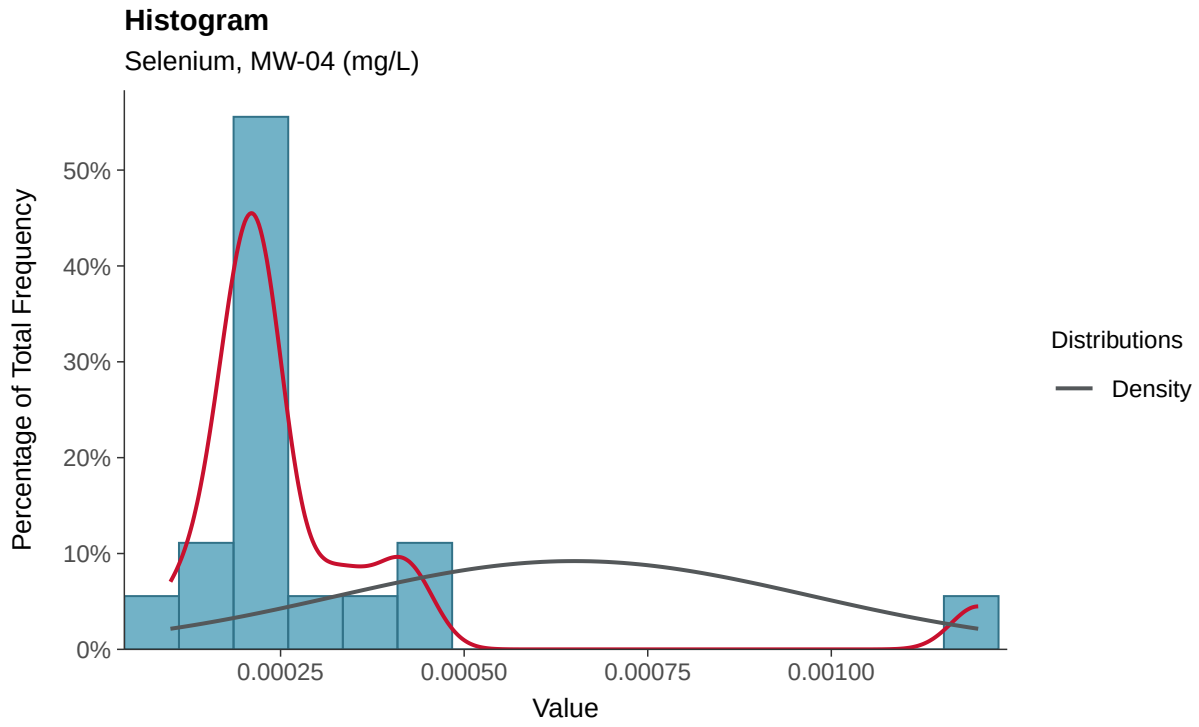



Trend Regression: Piecewise Linear-Linear
Radium 226 and 228, MW-04 (pCi/L)
Value
1.50
1.25
1.00
0.75
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Selenium, MW-04

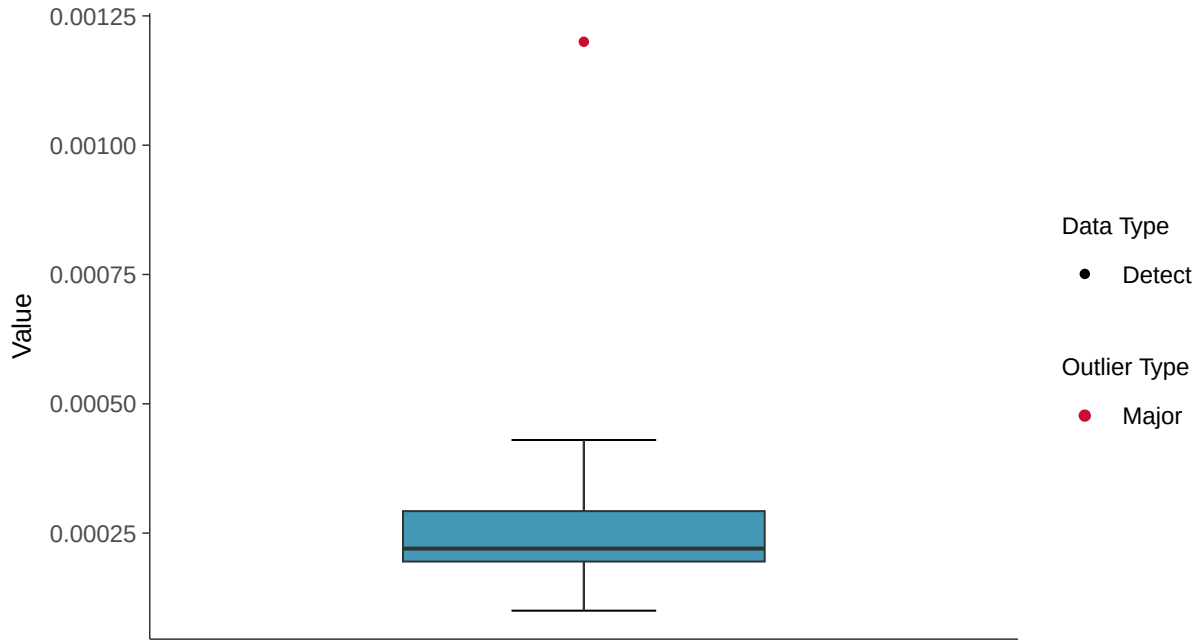
ID: 14_2_4_122





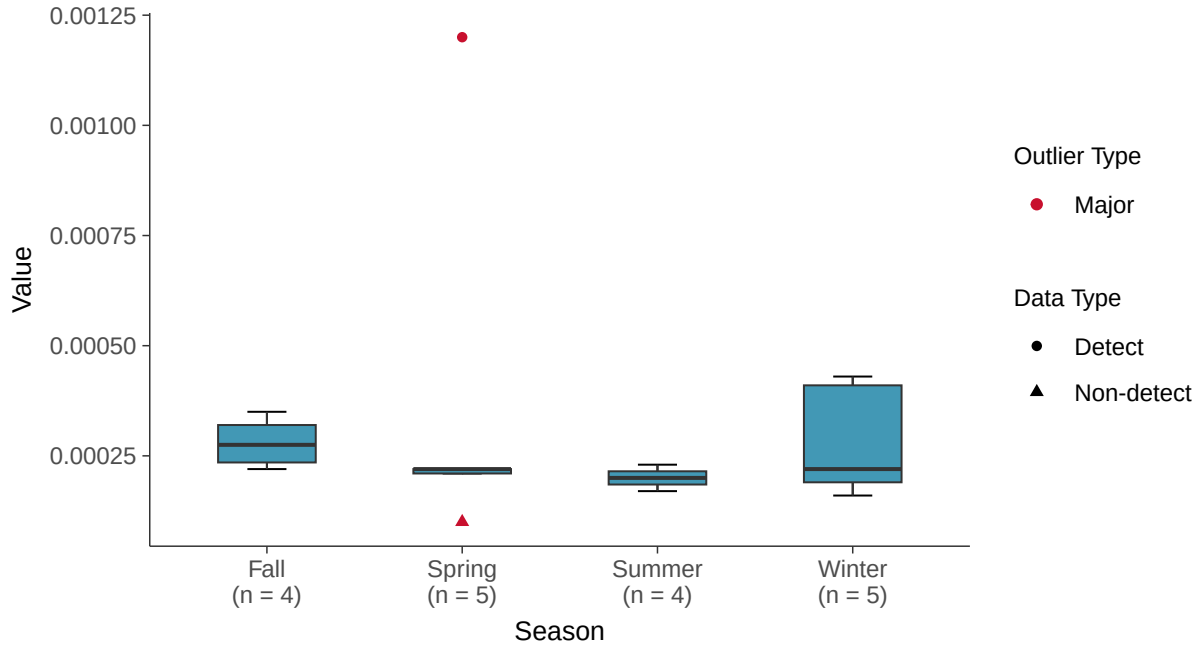
Boxplot

Selenium, MW-04 (mg/L)



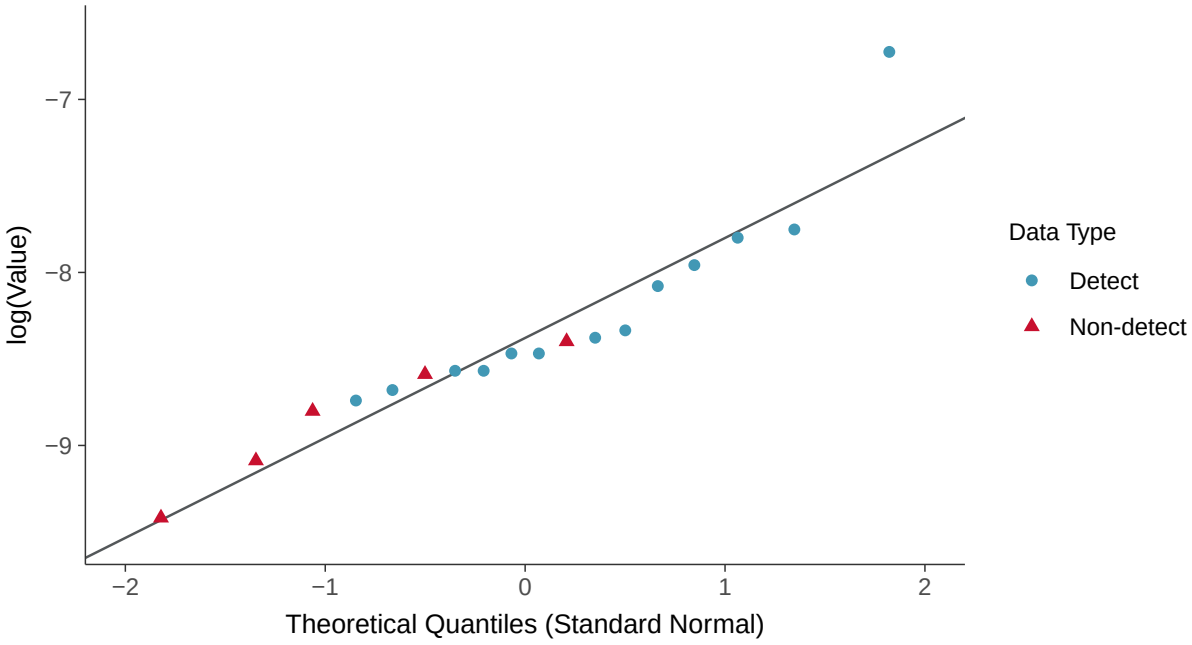
Boxplot by Season

Selenium, MW-04 (mg/L)



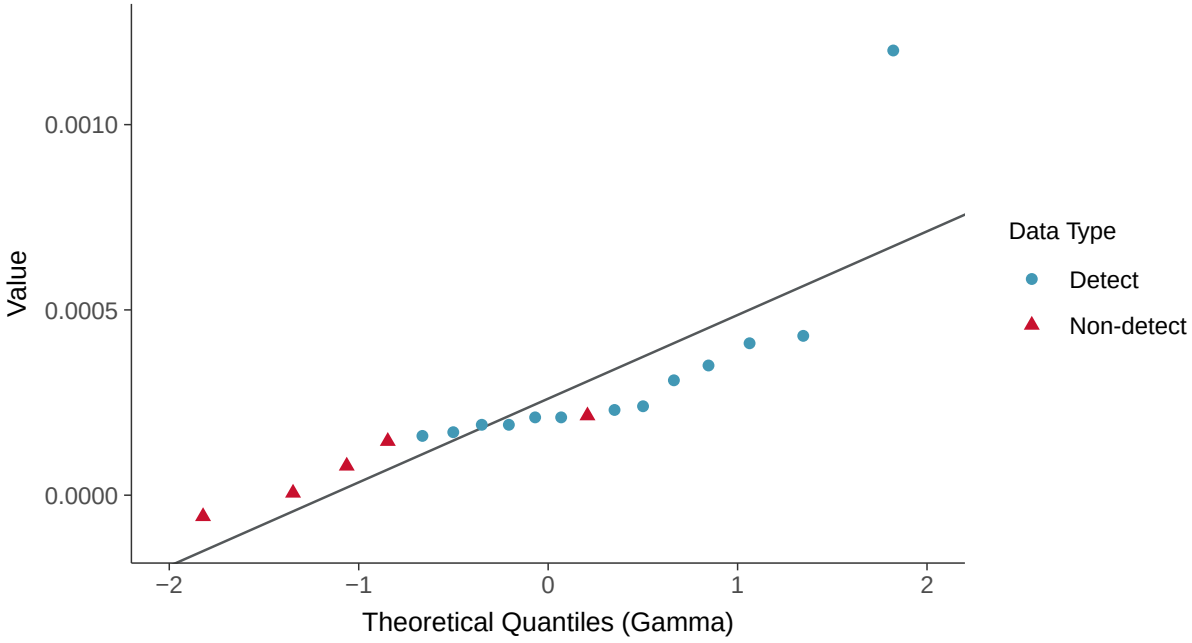
Lognormal Q-Q plot using ROS Imputed Estimates

Selenium, MW-04 (mg/L)



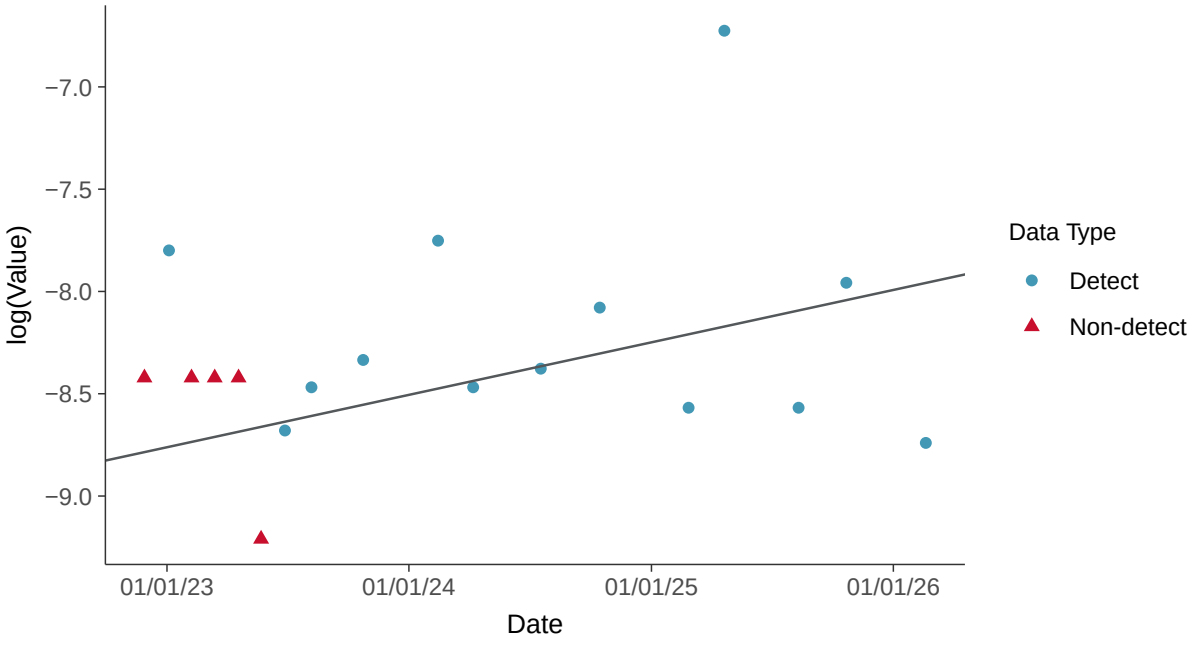
Gamma Q-Q plot using ROS Imputed Estimates

Selenium, MW-04 (mg/L)



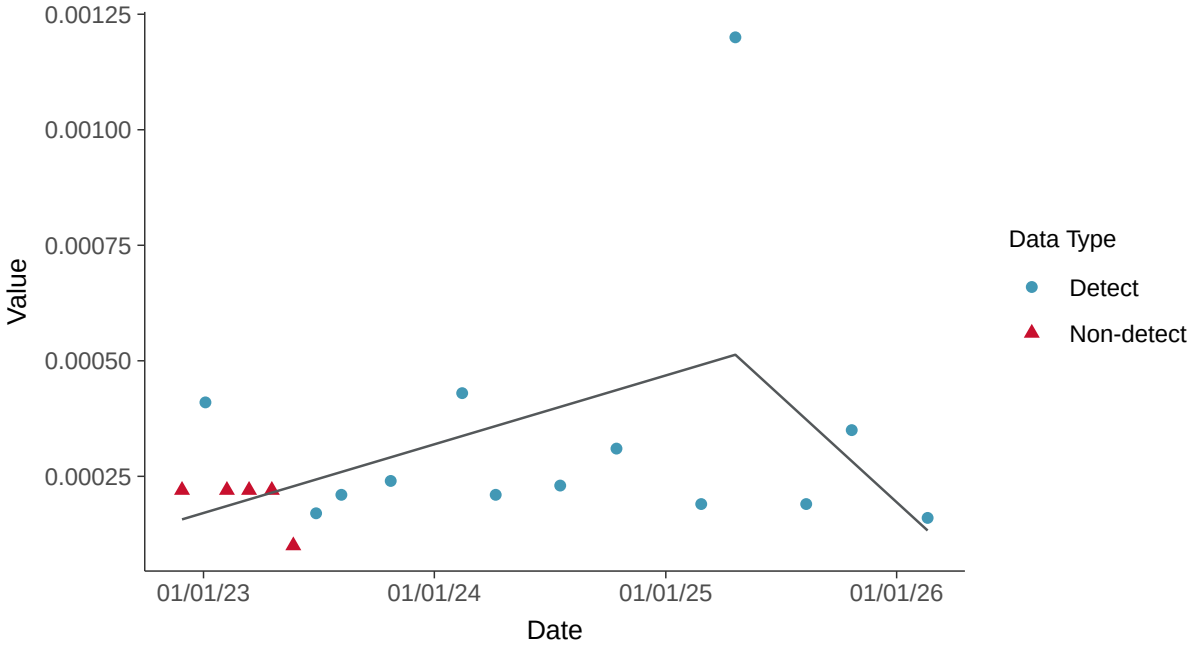
Trend Regression: Lognormal MLE

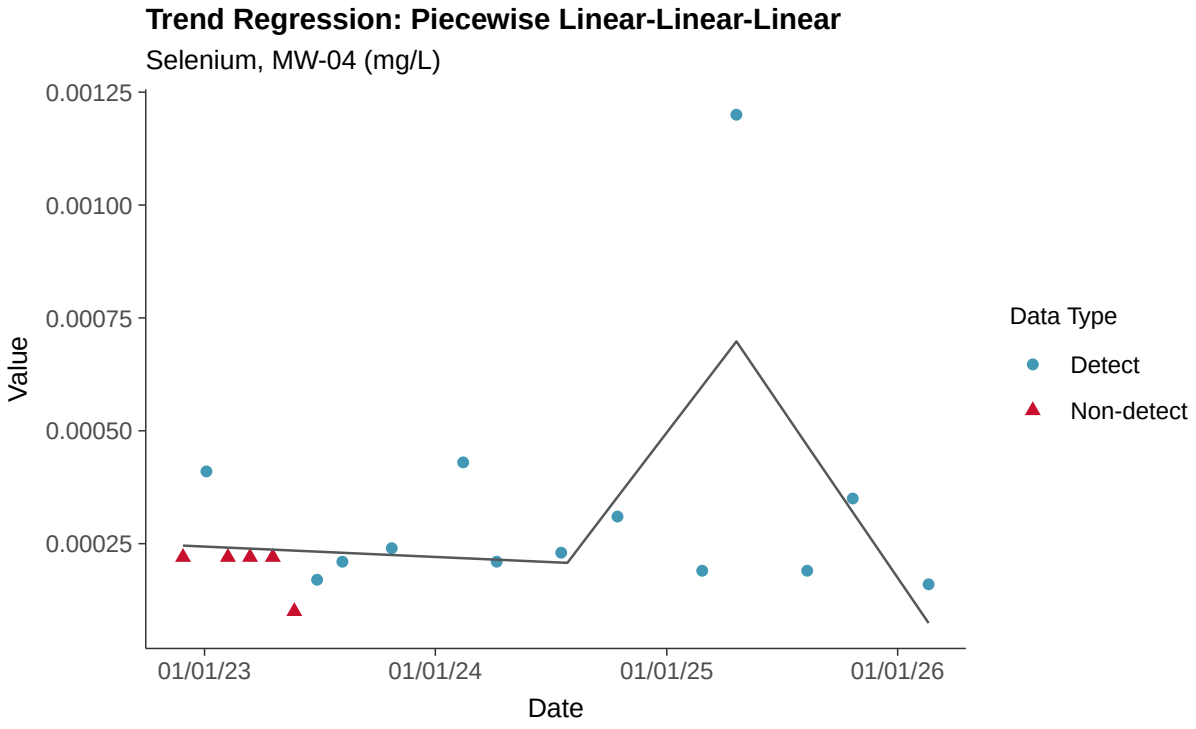
Selenium, MW-04 (mg/L)



Trend Regression: Piecewise Linear-Linear

Selenium, MW-04 (mg/L)



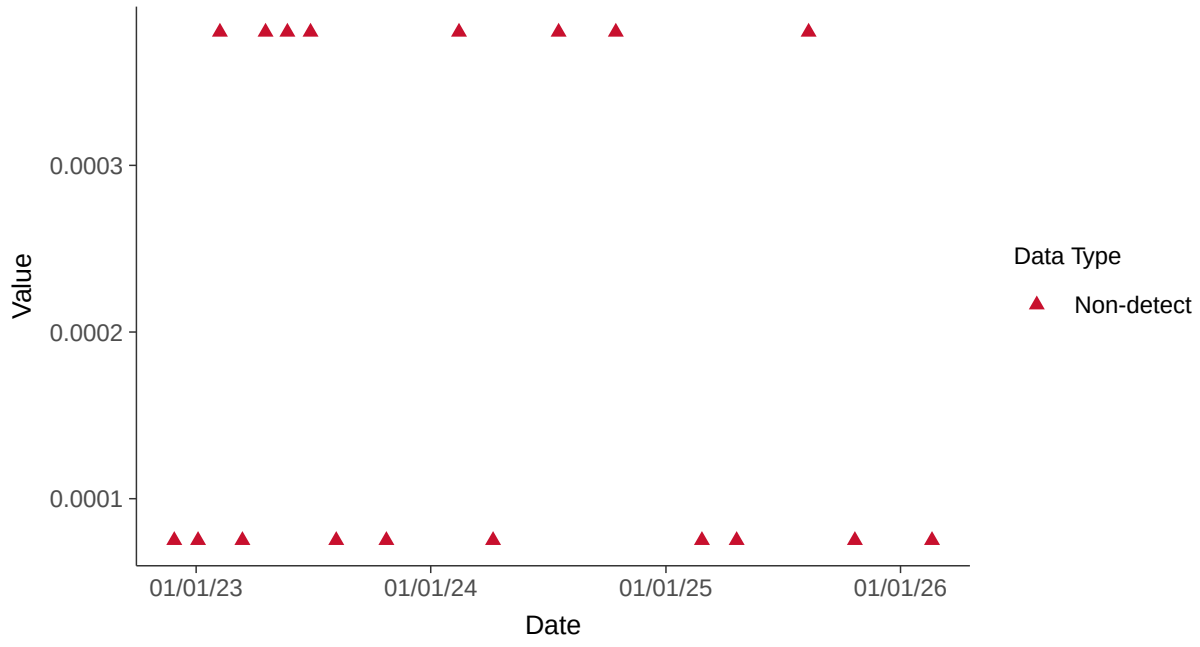

Trend Regression: Piecewise Linear-Linear-Linear
Selenium, MW-04 (mg/L)
0.00125
0.00100
0.00075
0.00050
0.00025
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Thallium, MW-04

ID: 14_2_4_125

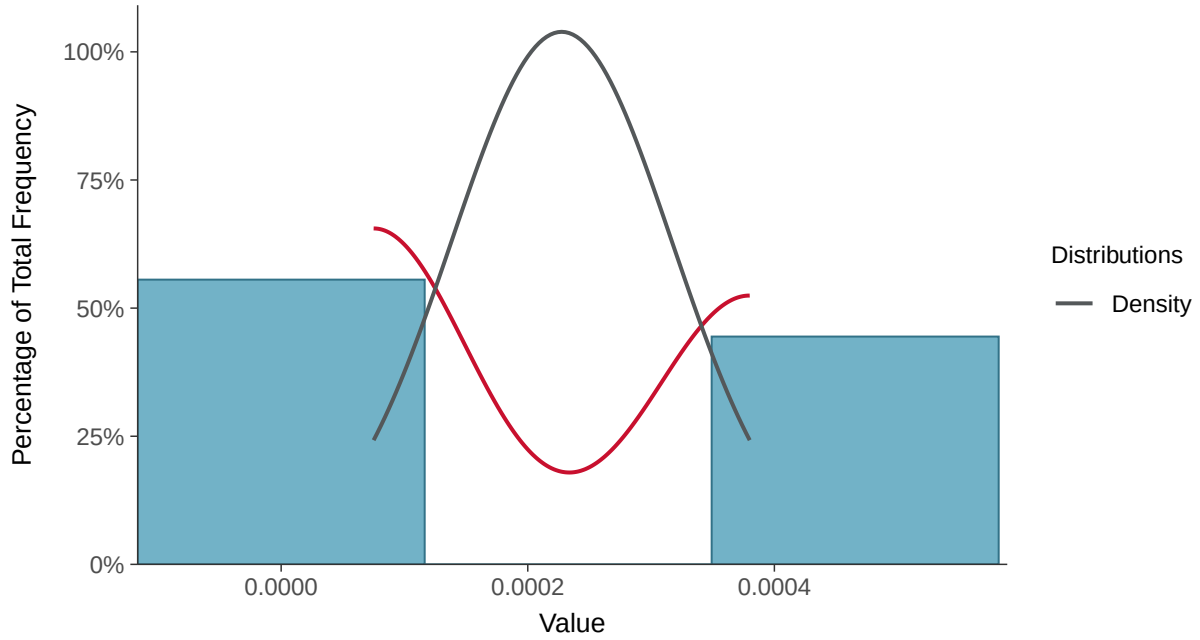
Scatter Plot

Thallium, MW-04 (mg/L)



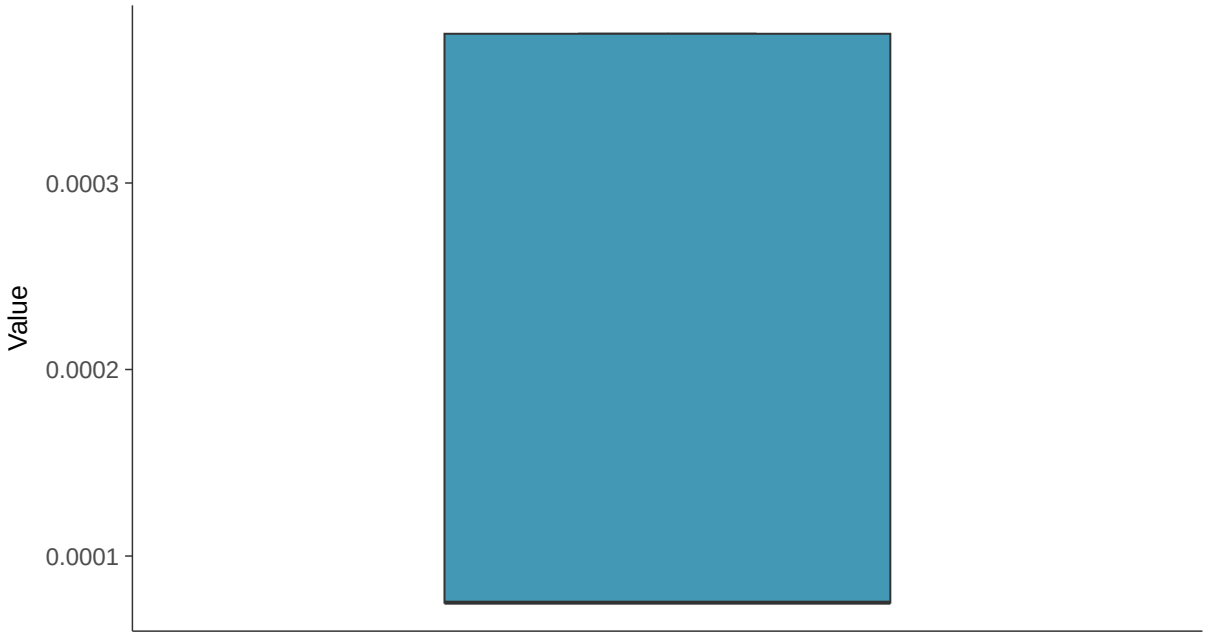
Histogram

Thallium, MW-04 (mg/L)



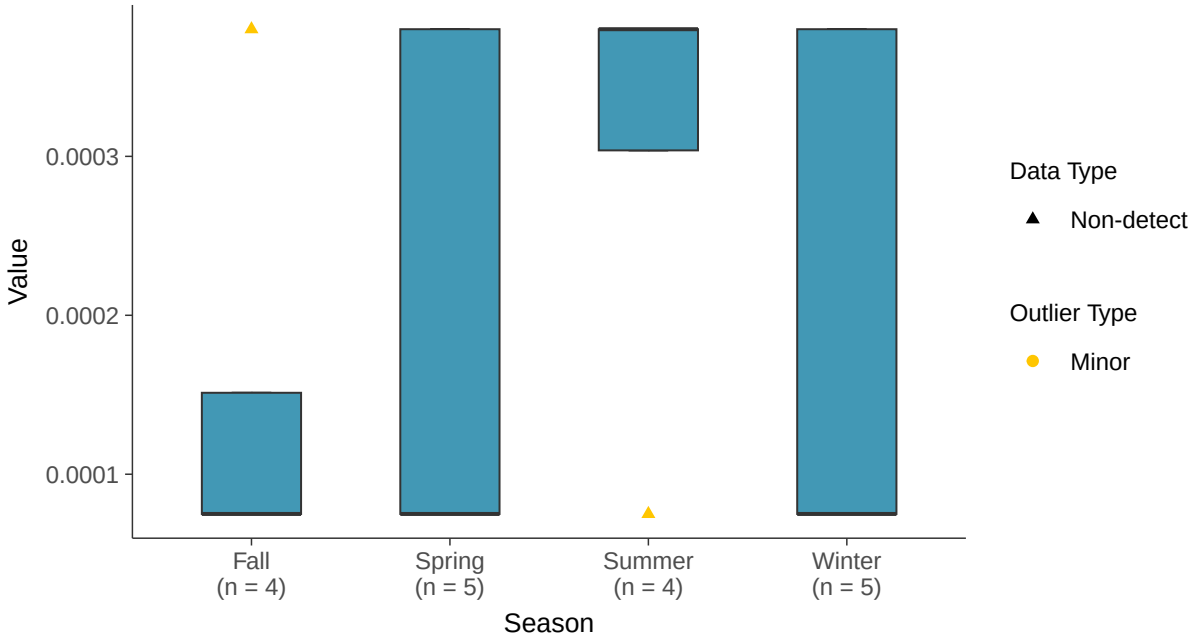
Boxplot

Thallium, MW-04 (mg/L)



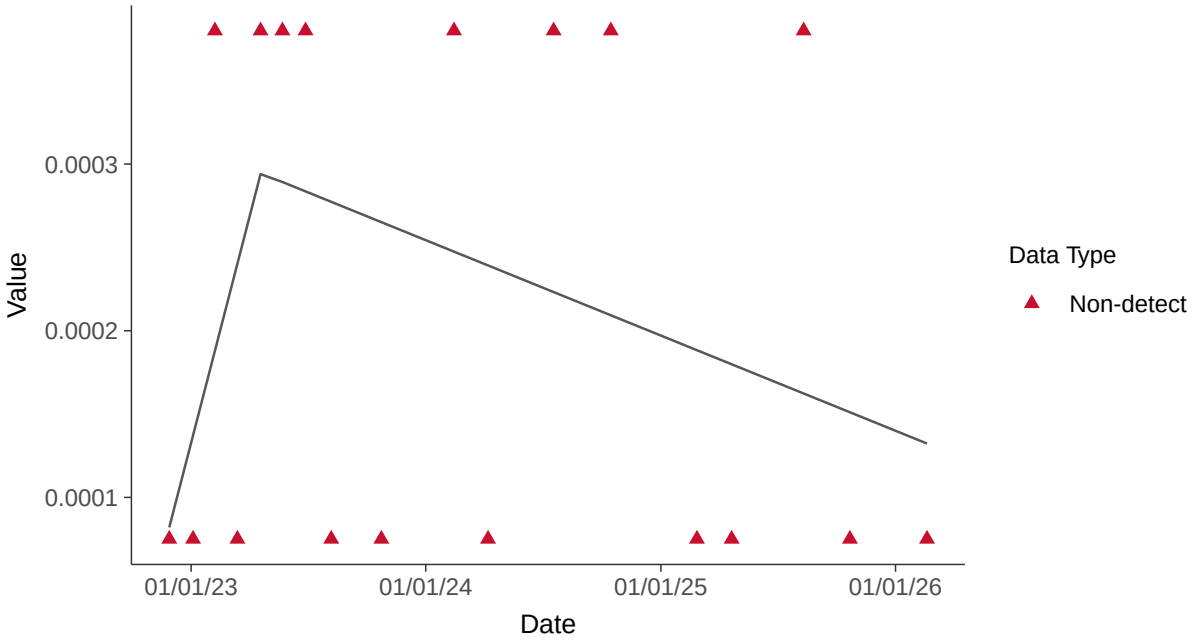
Boxplot by Season

Thallium, MW-04 (mg/L)



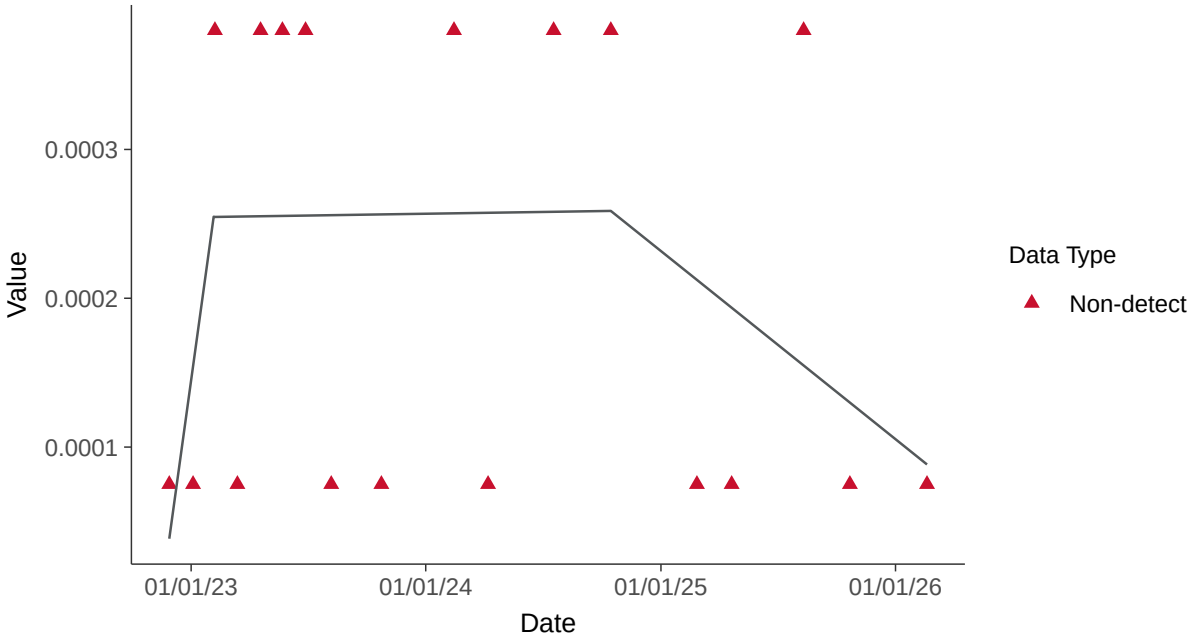
Trend Regression: Piecewise Linear-Linear

Thallium, MW-04 (mg/L)



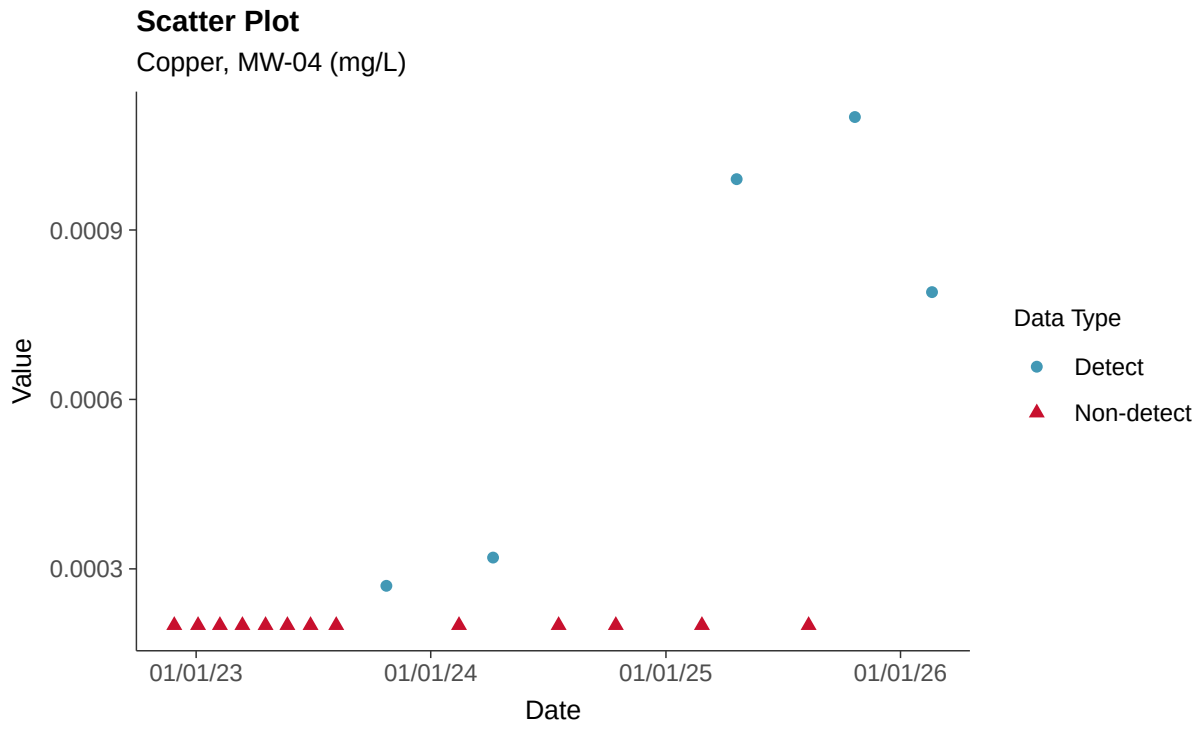
Trend Regression: Piecewise Linear-Linear-Linear

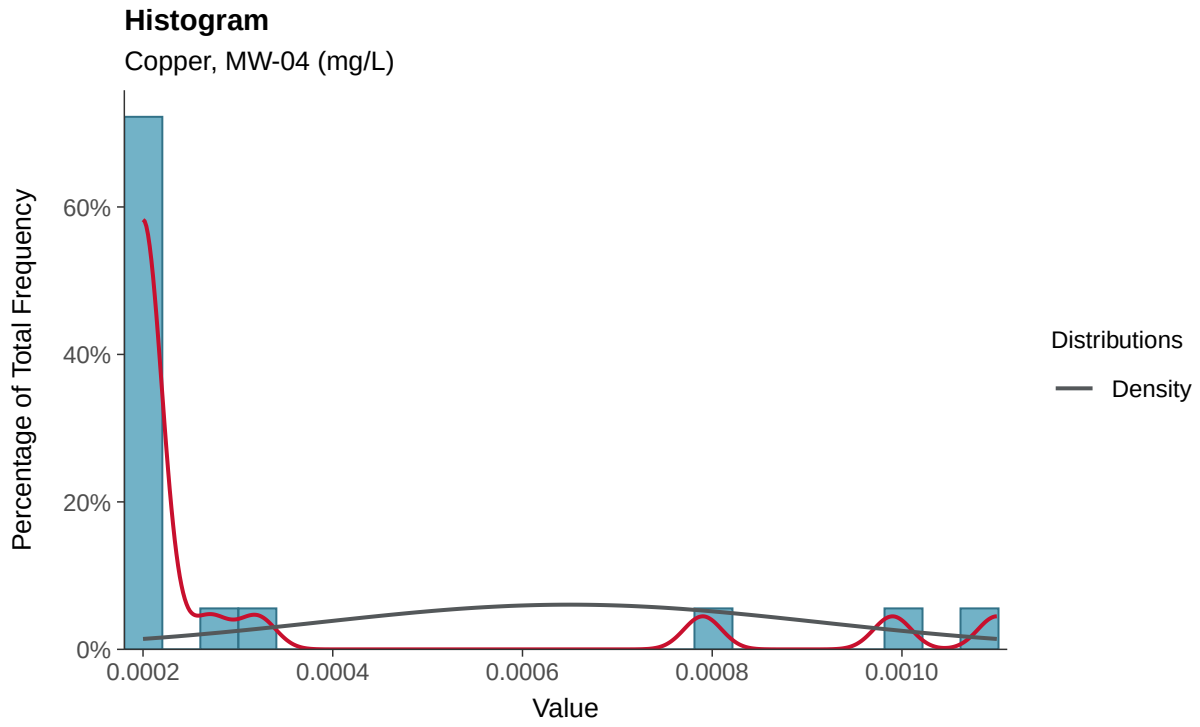
Thallium, MW-04 (mg/L)



Part 115: Copper, MW-04

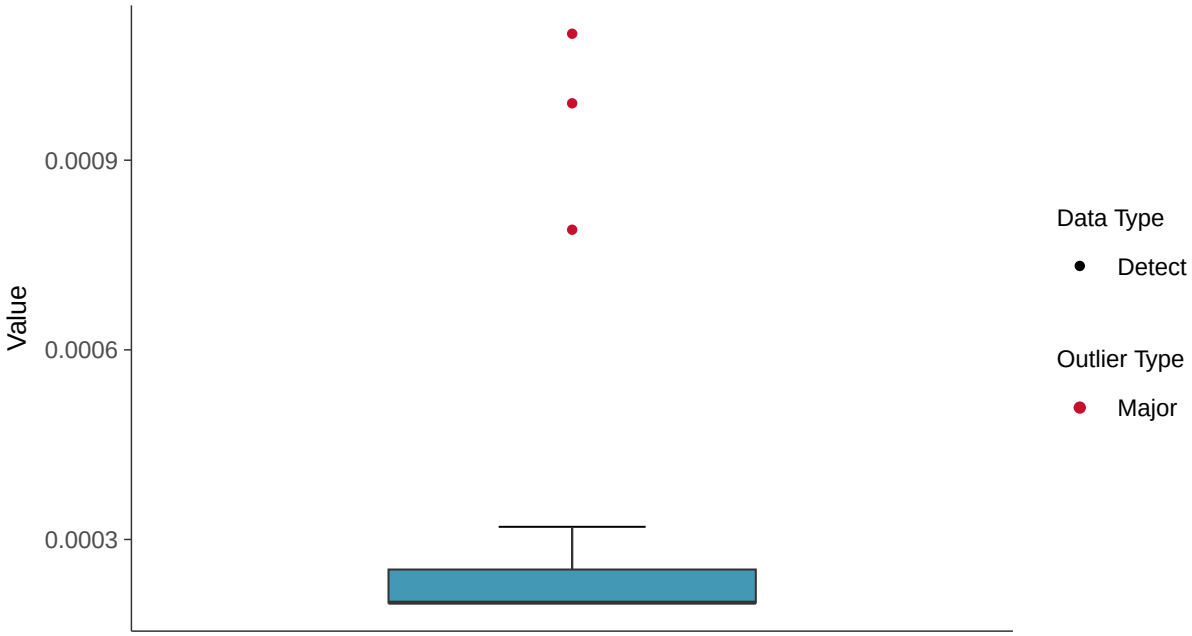
ID: 14_2_5_111





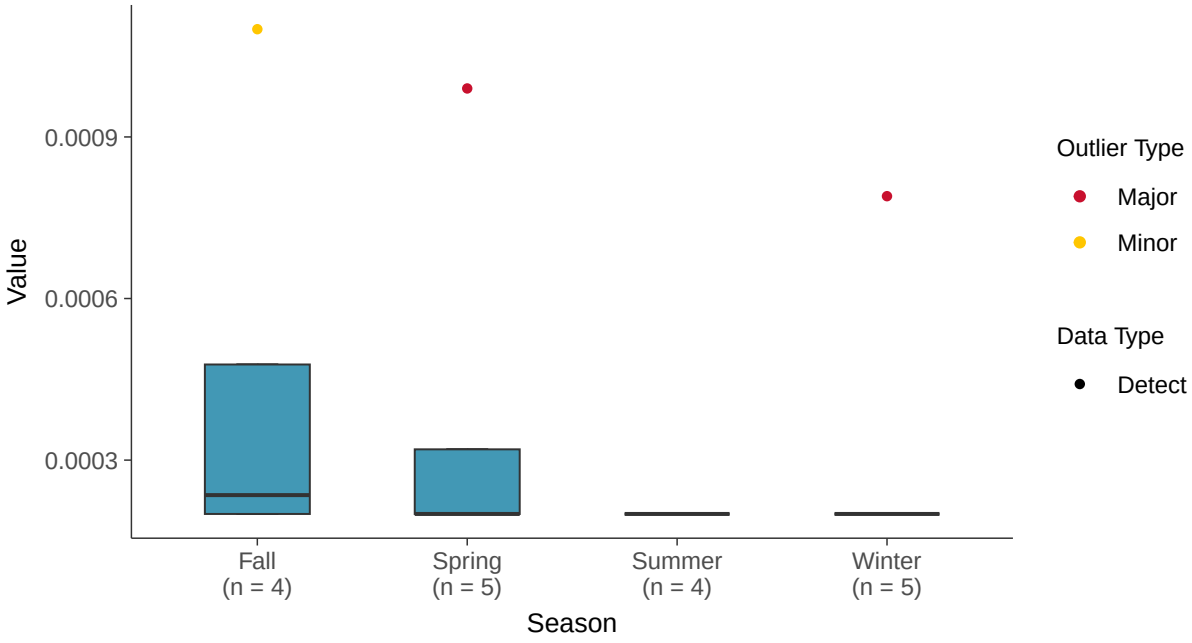
Boxplot

Copper, MW-04 (mg/L)



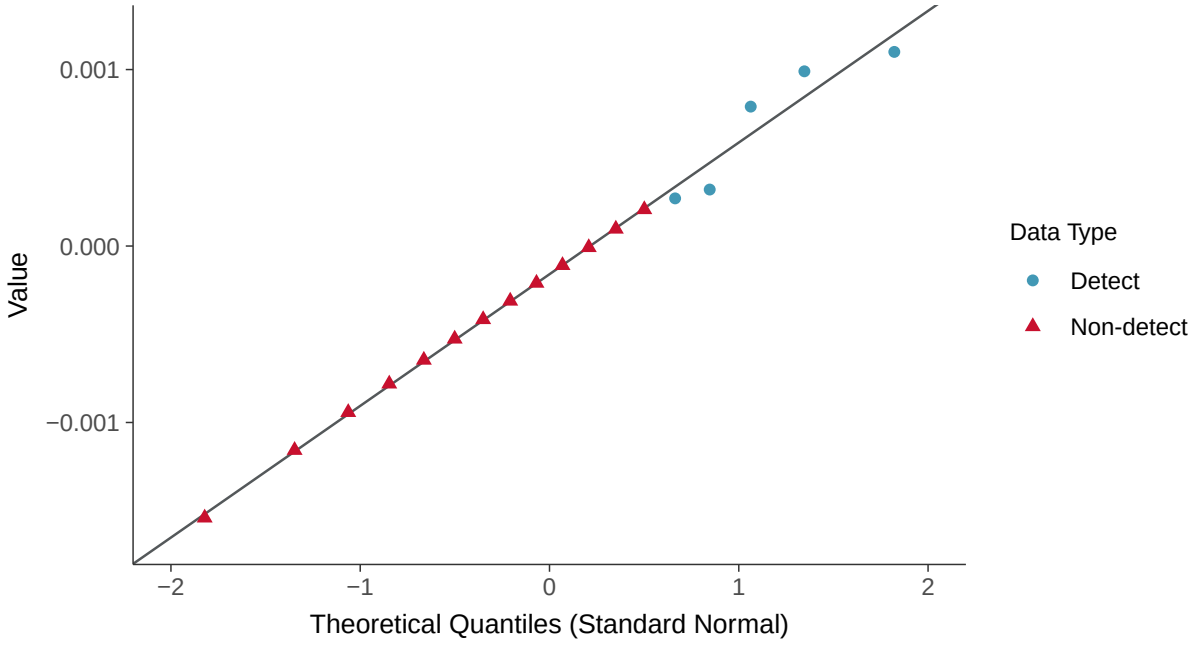
Boxplot by Season

Copper, MW-04 (mg/L)



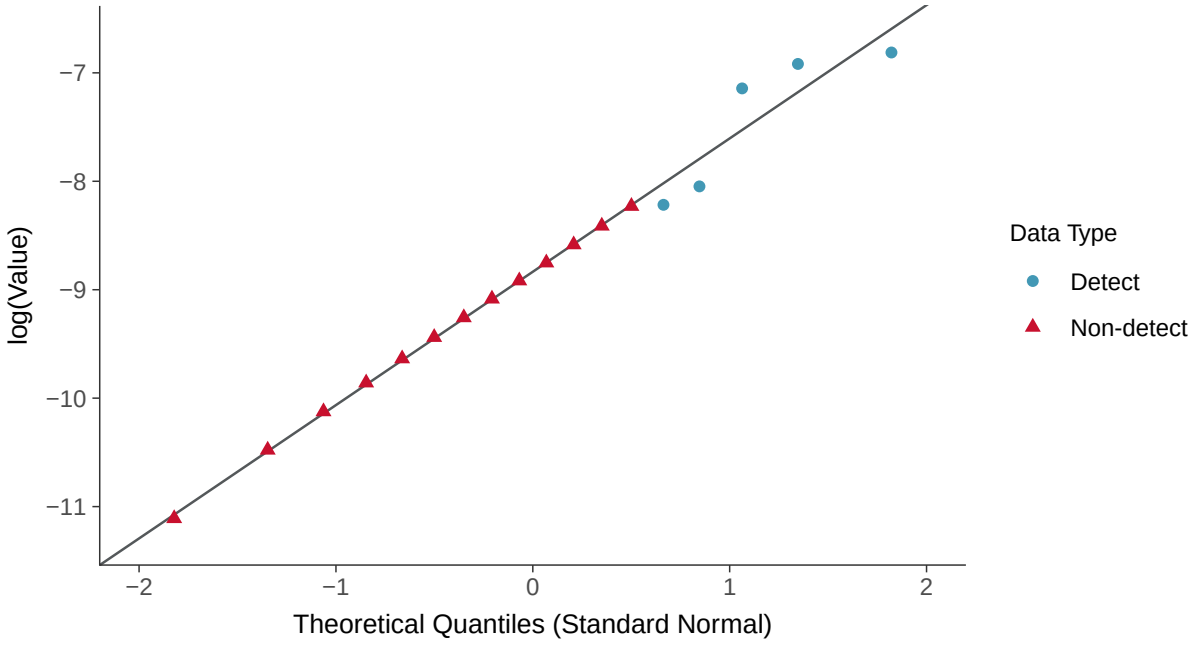
Normal Q-Q plot using ROS Imputed Estimates

Copper, MW-04 (mg/L)



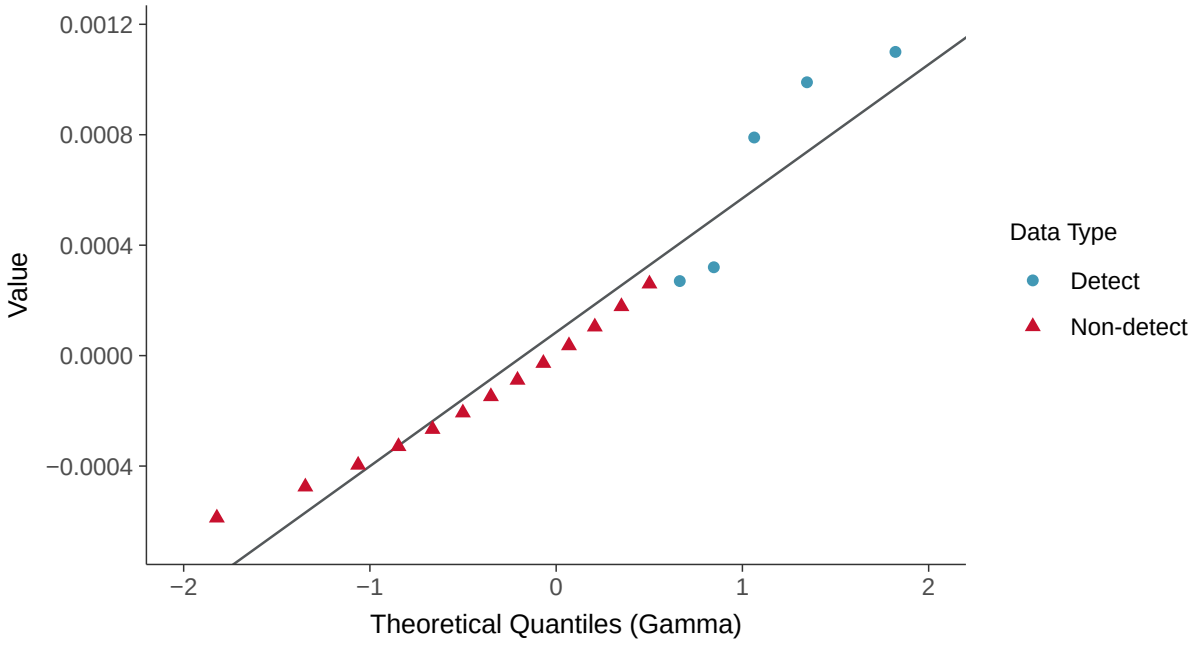
Lognormal Q-Q plot using ROS Imputed Estimates

Copper, MW-04 (mg/L)



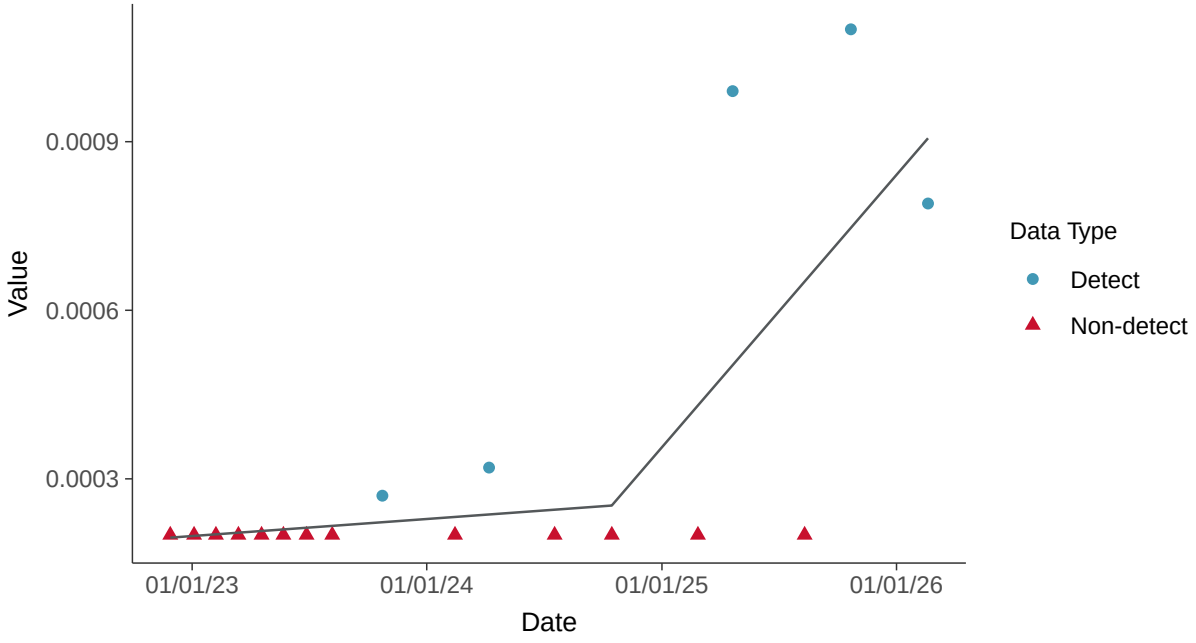
Gamma Q-Q plot using ROS Imputed Estimates

Copper, MW-04 (mg/L)



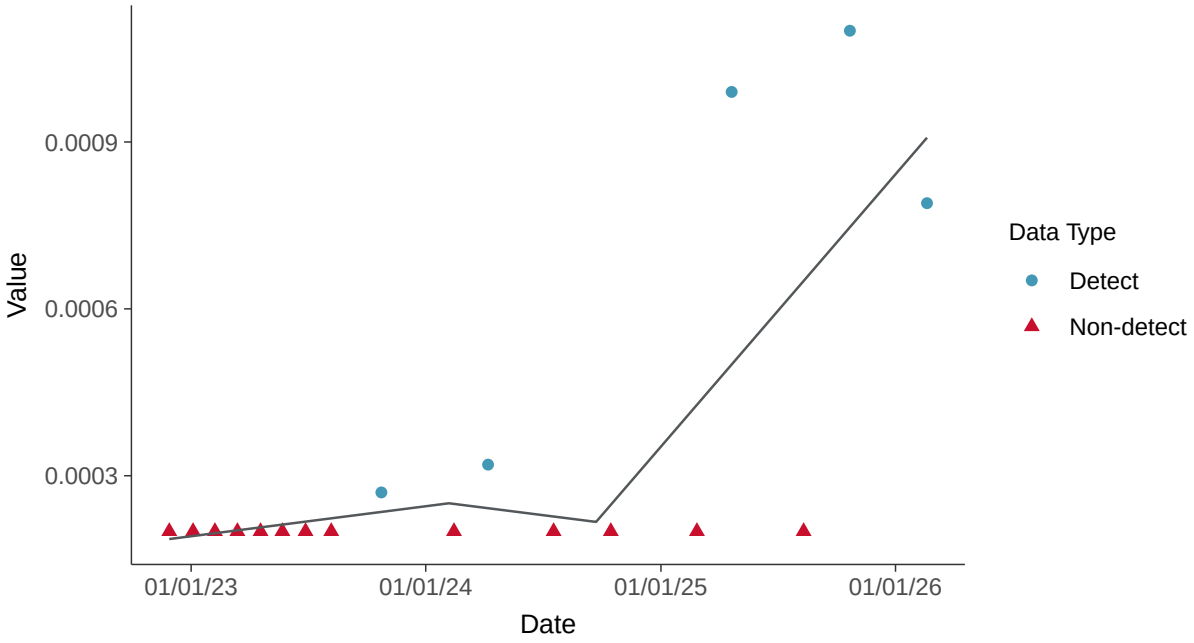
Trend Regression: Piecewise Linear-Linear

Copper, MW-04 (mg/L)



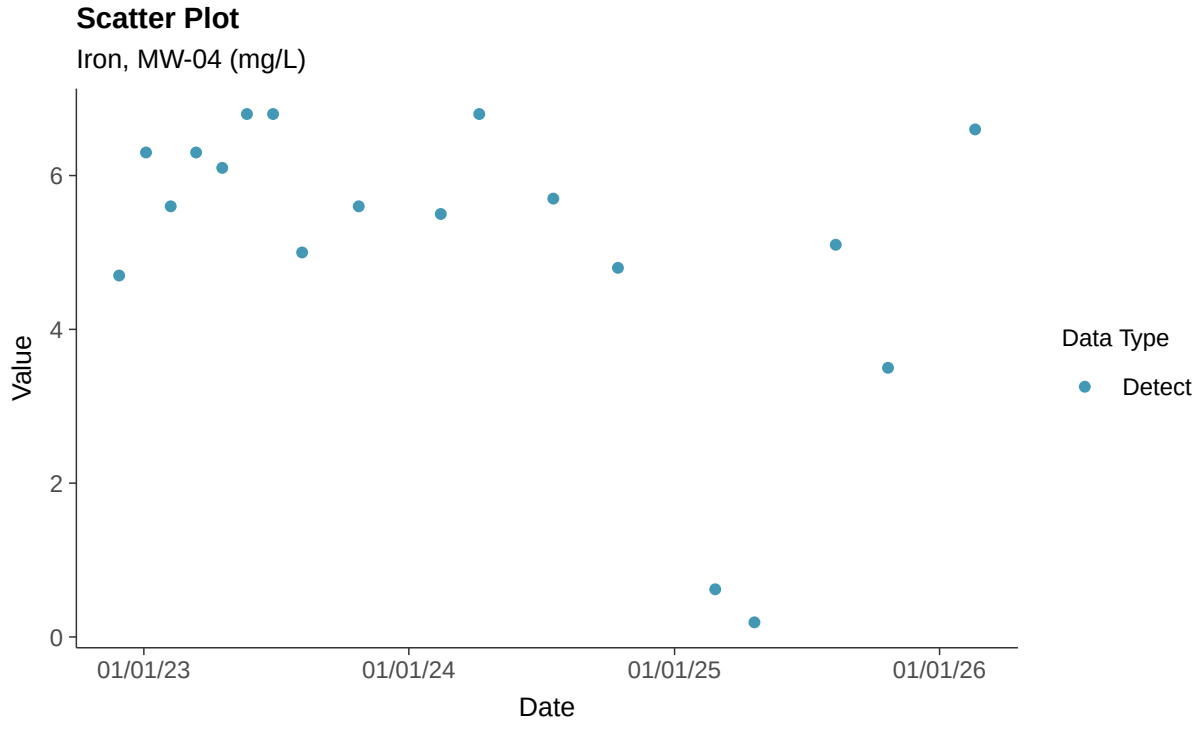
Trend Regression: Piecewise Linear-Linear-Linear

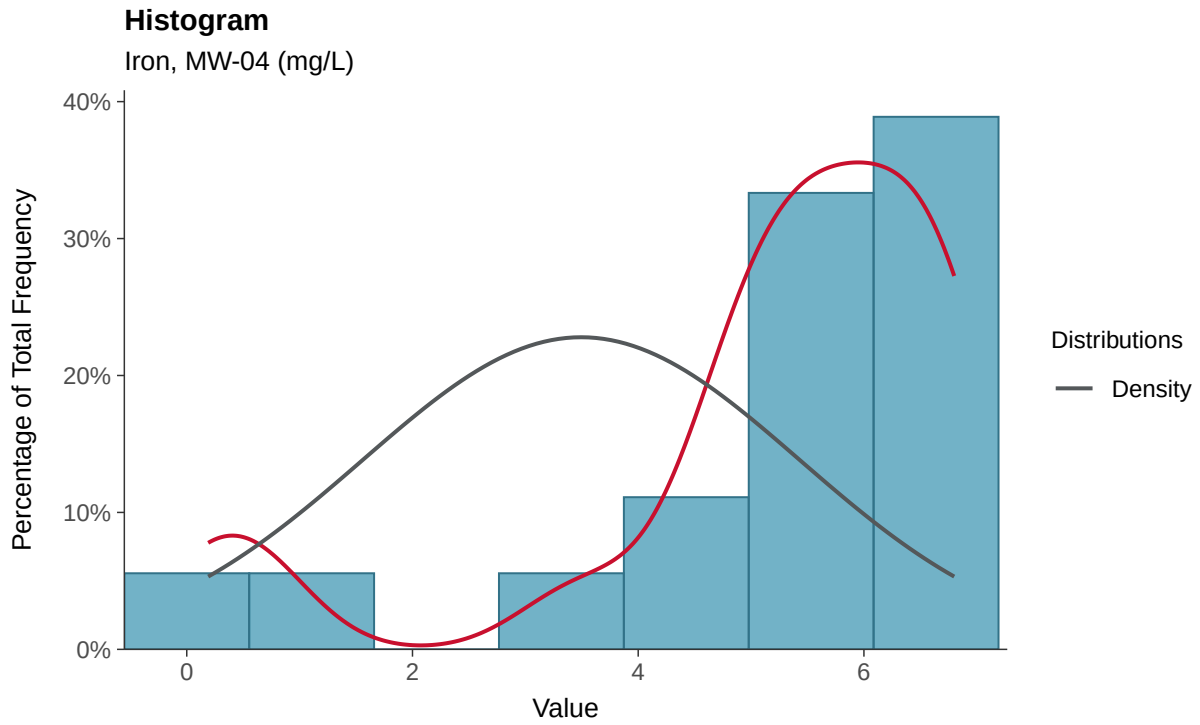
Copper, MW-04 (mg/L)



Part 115: Iron, MW-04

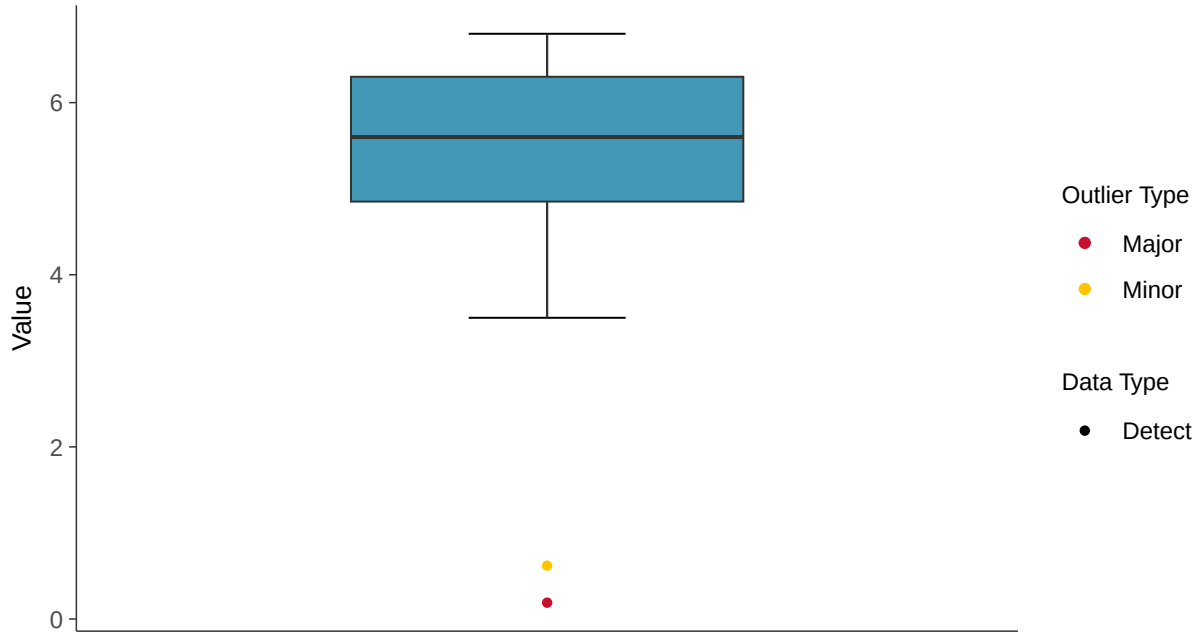
ID: 14_2_5_114





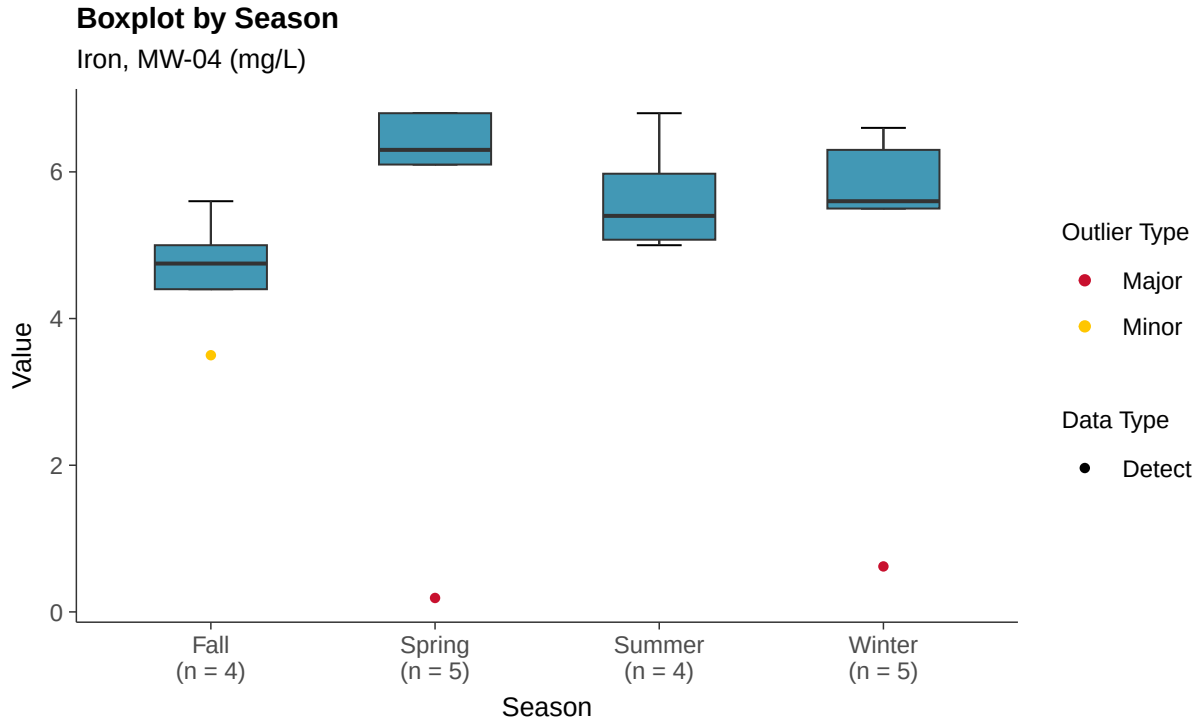
Boxplot

Iron, MW-04 (mg/L)



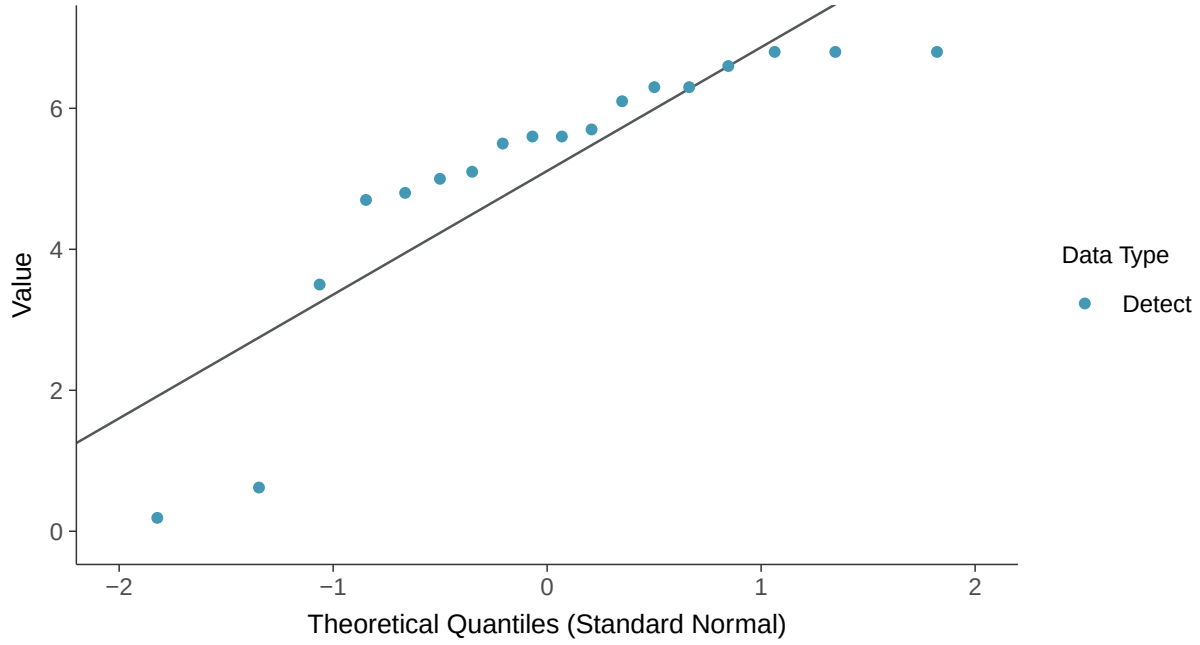
Boxplot by Season

Iron, MW-04 (mg/L)



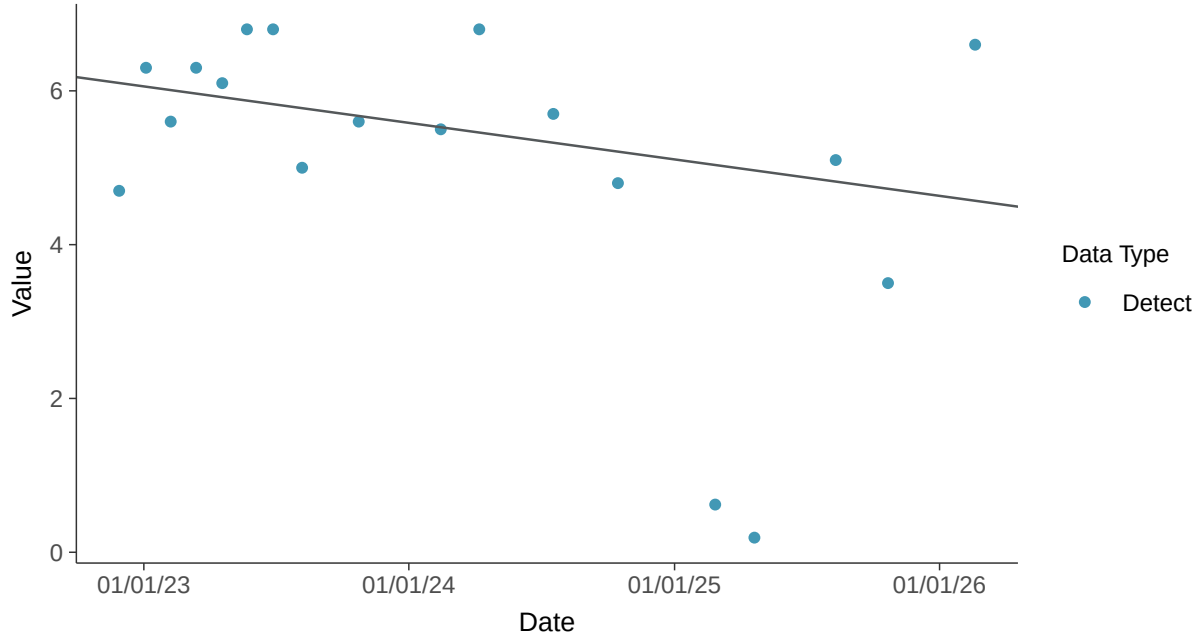
Normal Q-Q plot

Iron, MW-04 (mg/L)



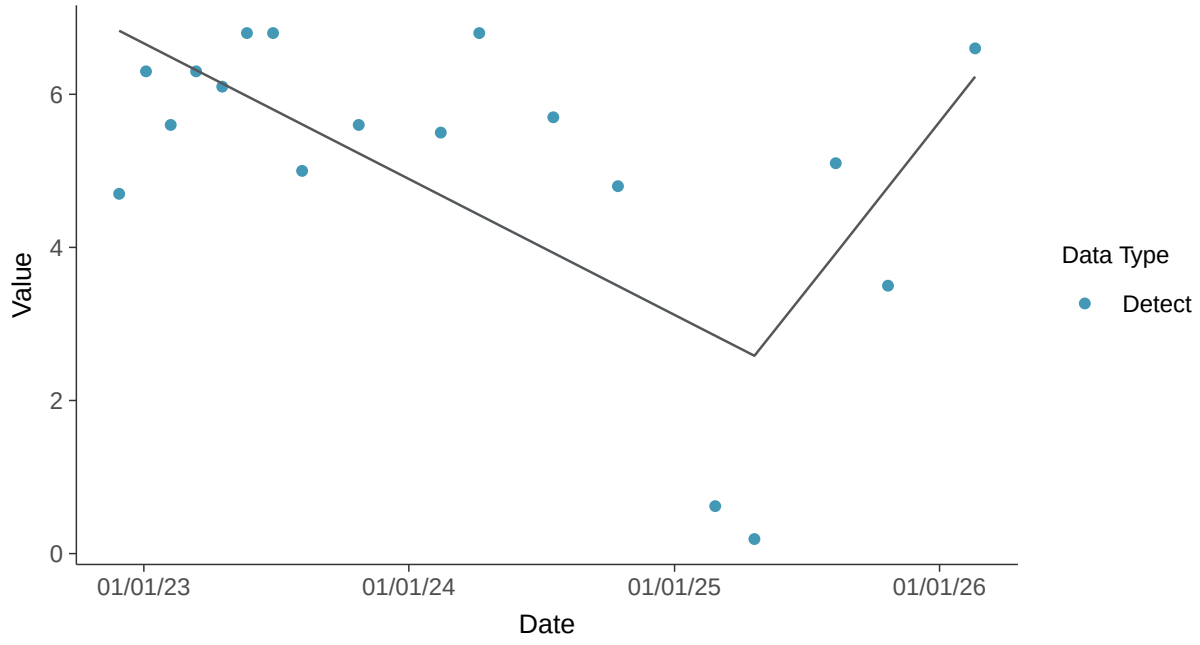
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Iron, MW-04 (mg/L)



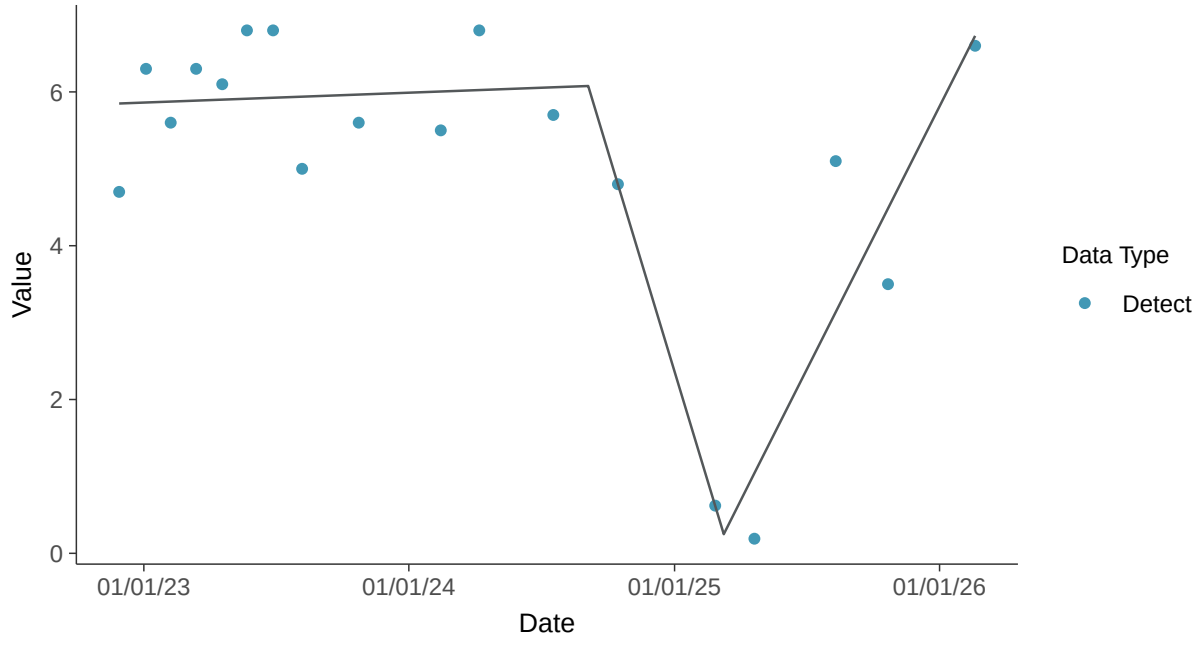
Trend Regression: Piecewise Linear-Linear

Iron, MW-04 (mg/L)



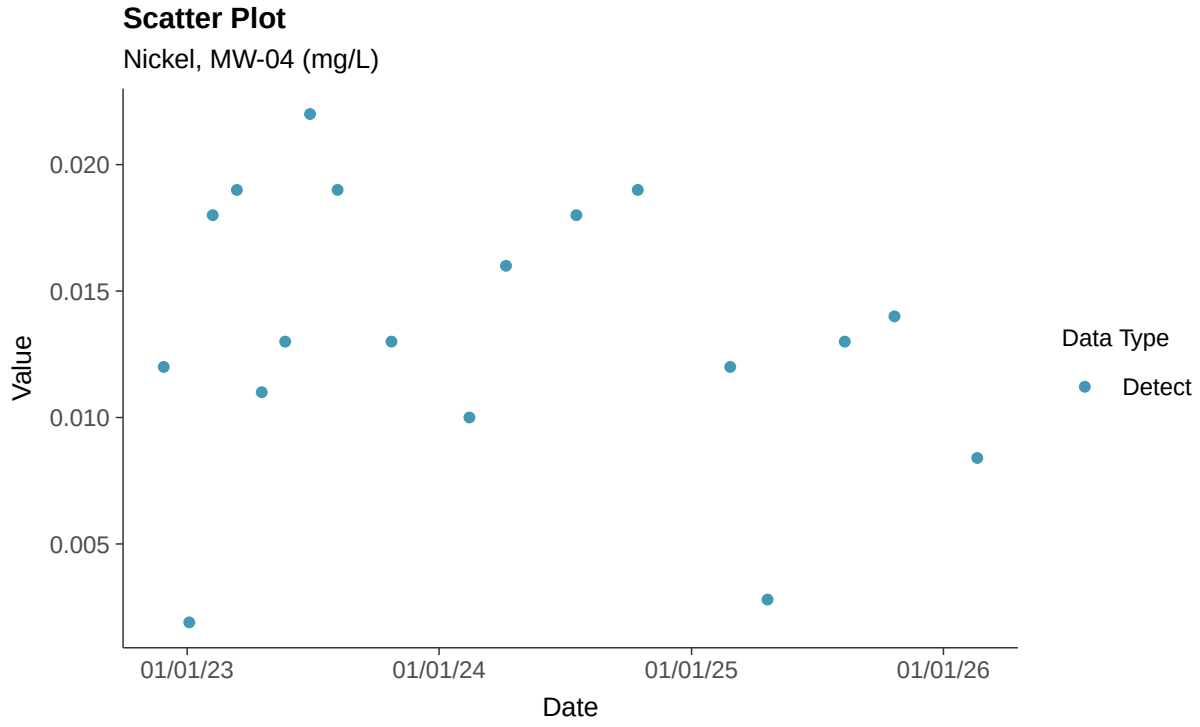
Trend Regression: Piecewise Linear-Linear-Linear

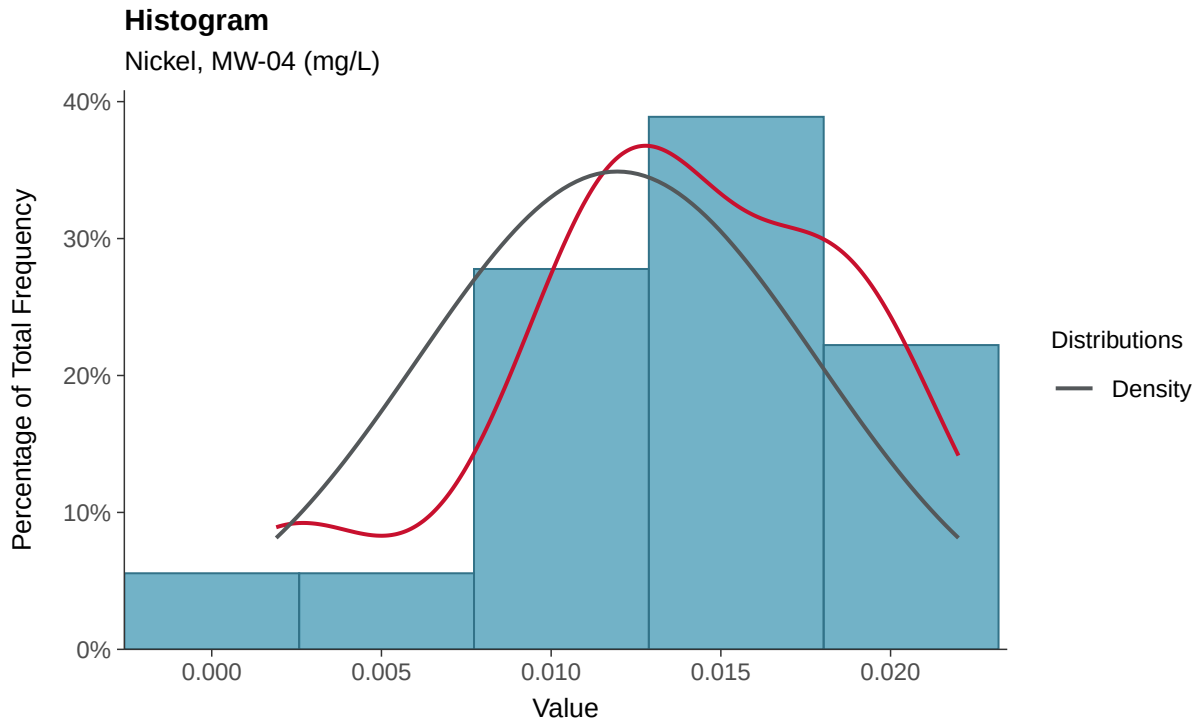
Iron, MW-04 (mg/L)



Part 115: Nickel, MW-04

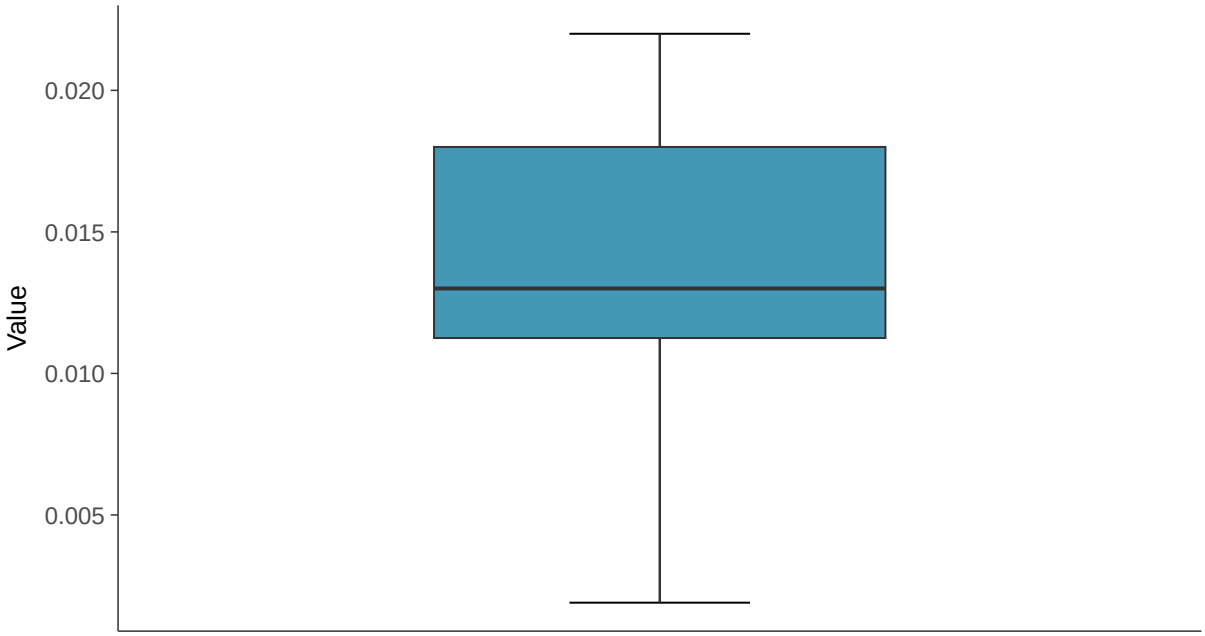
ID: 14_2_5_119





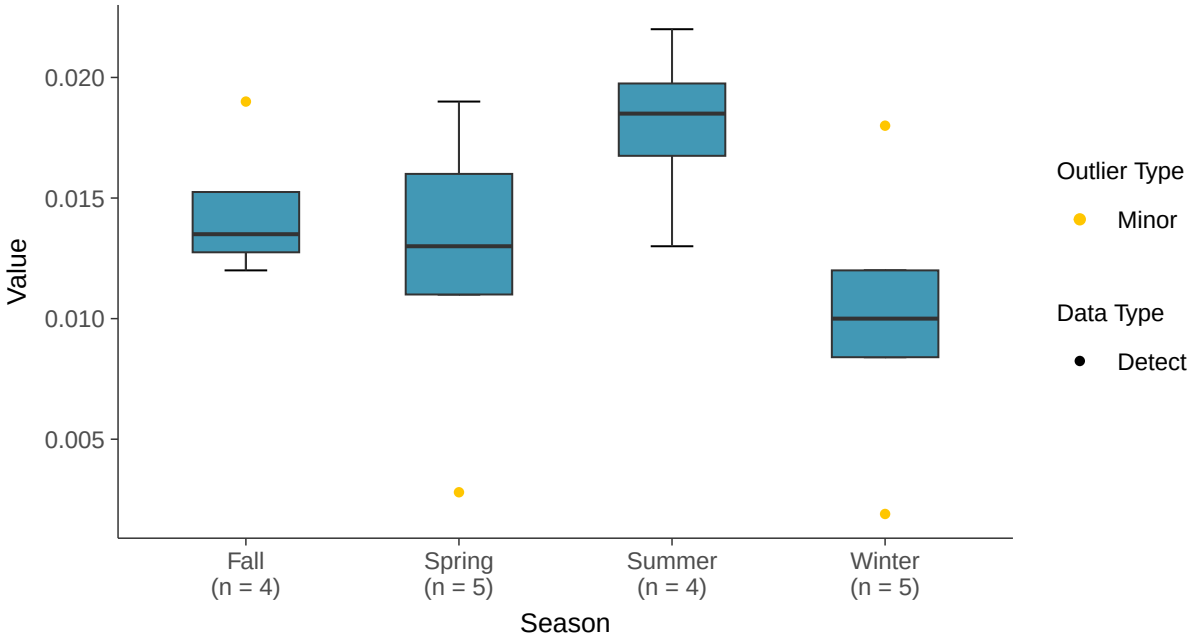
Boxplot

Nickel, MW-04 (mg/L)



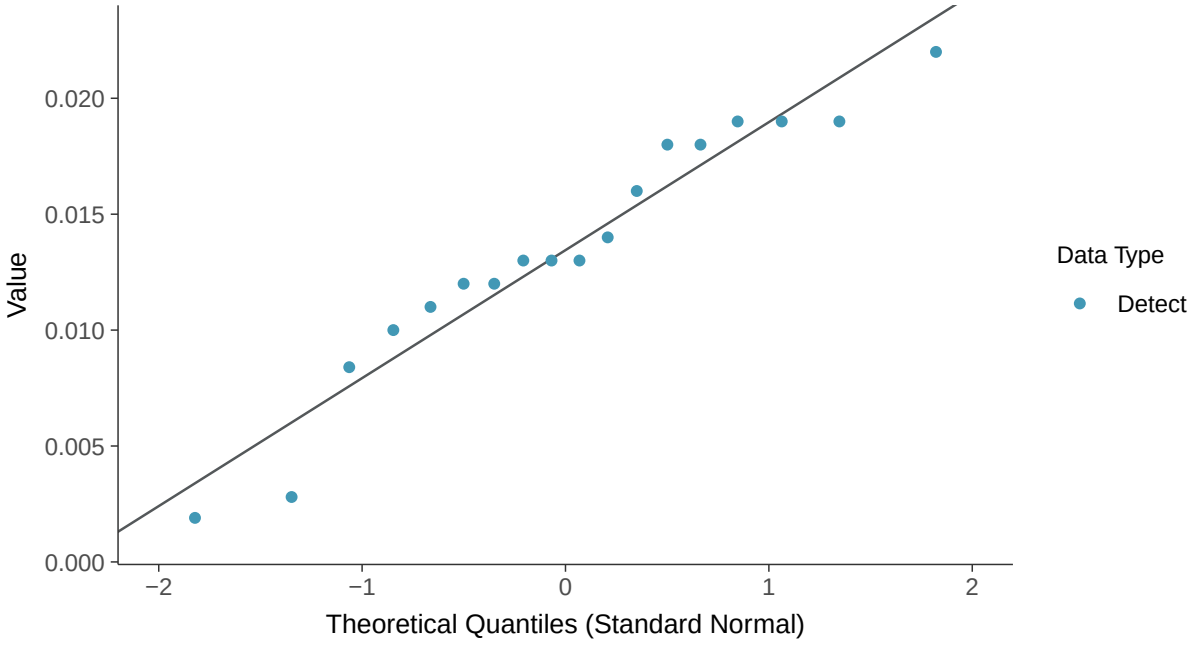
Boxplot by Season

Nickel, MW-04 (mg/L)



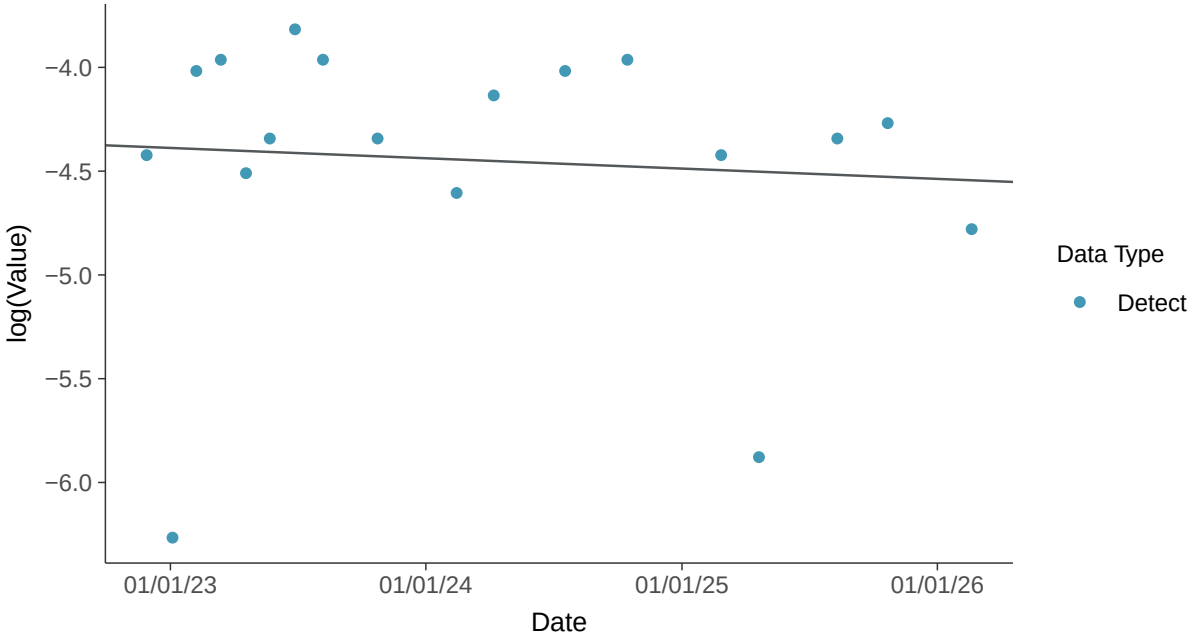
Normal Q-Q plot

Nickel, MW-04 (mg/L)



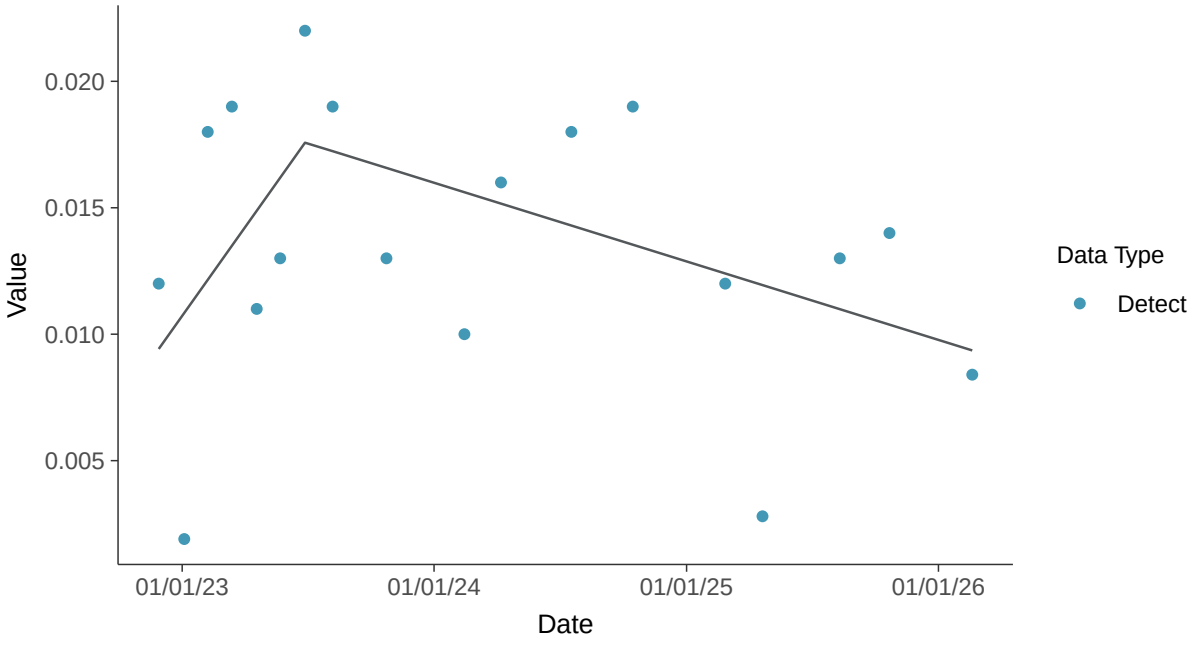
Trend Regression: Lognormal MLE

Nickel, MW-04 (mg/L)



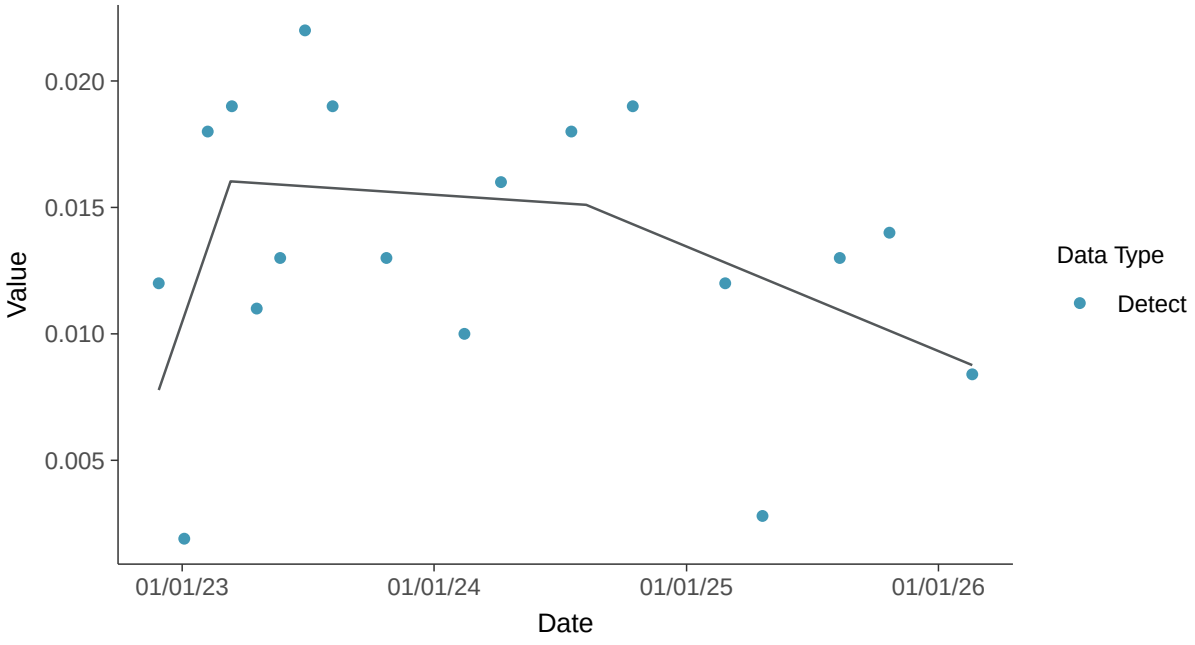
Trend Regression: Piecewise Linear-Linear

Nickel, MW-04 (mg/L)



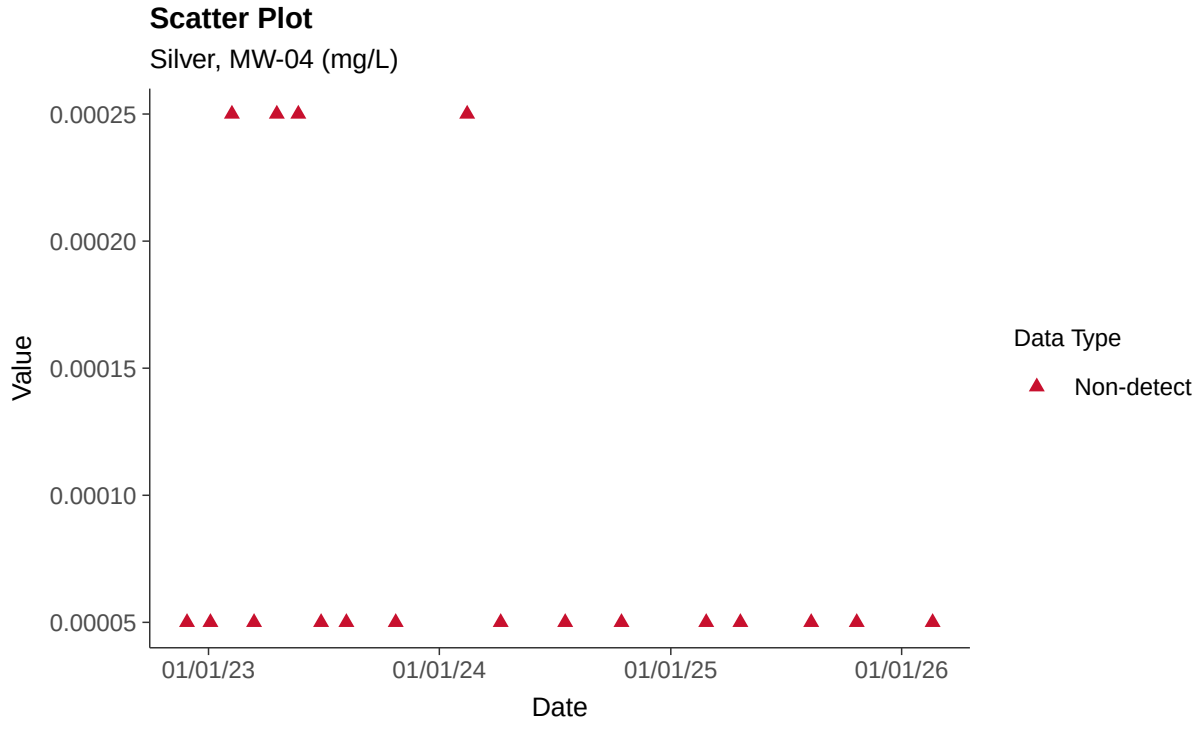
Trend Regression: Piecewise Linear-Linear-Linear

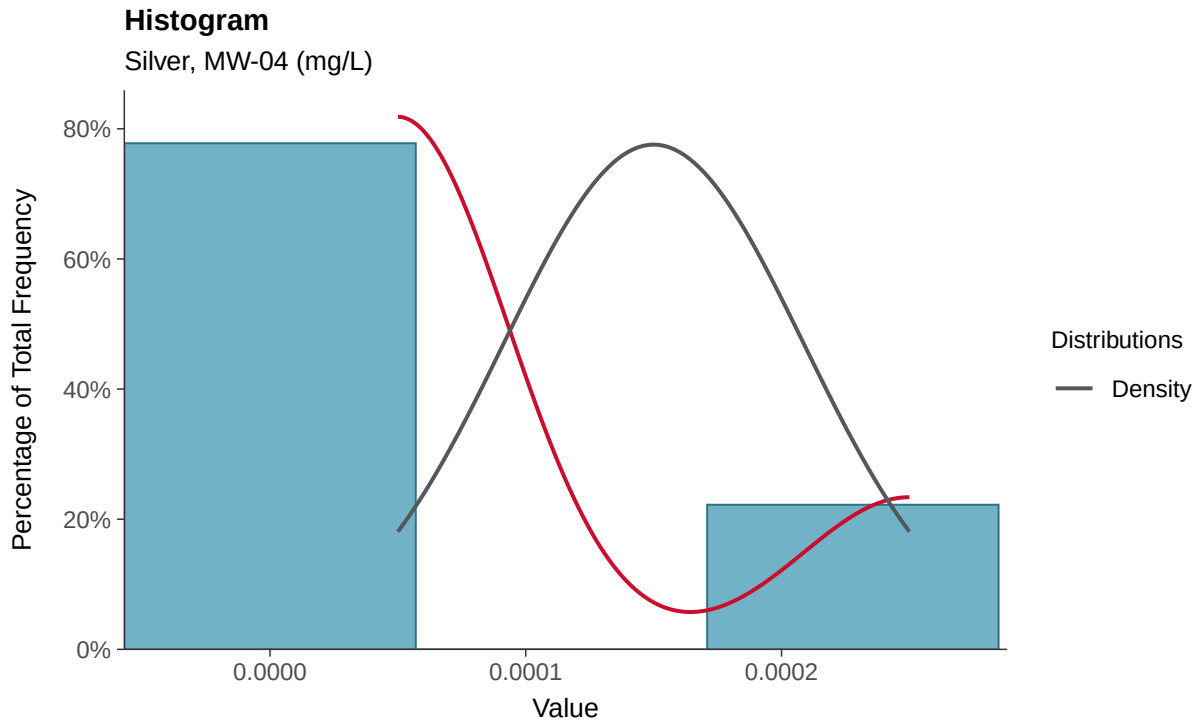
Nickel, MW-04 (mg/L)



Part 115: Silver, MW-04

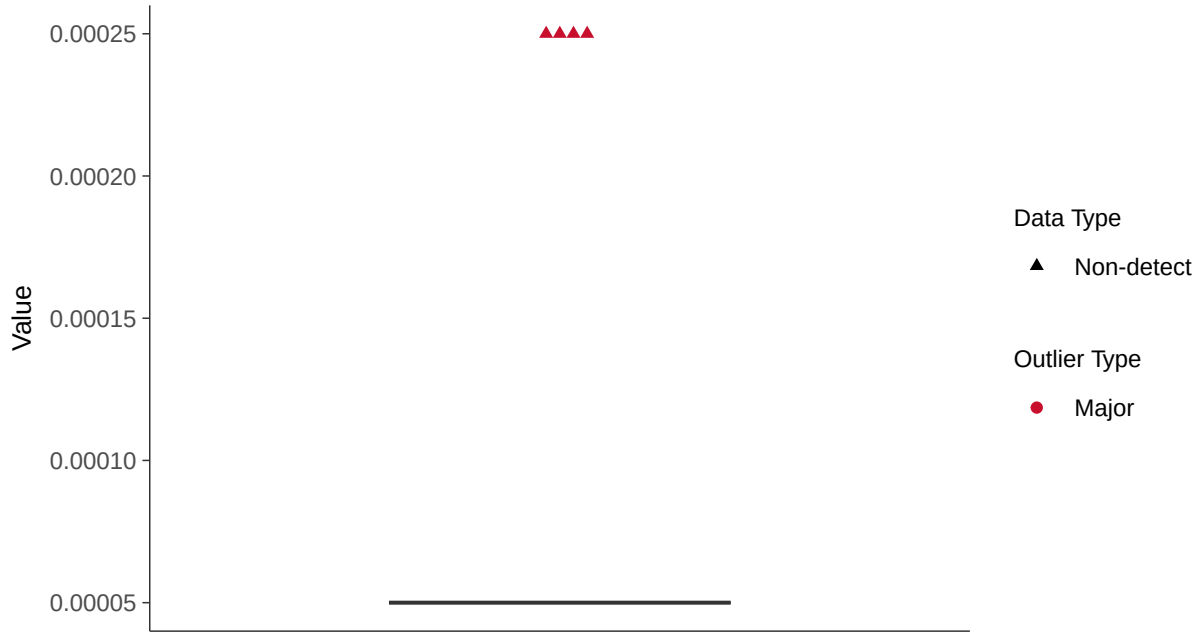
ID: 14_2_5_123





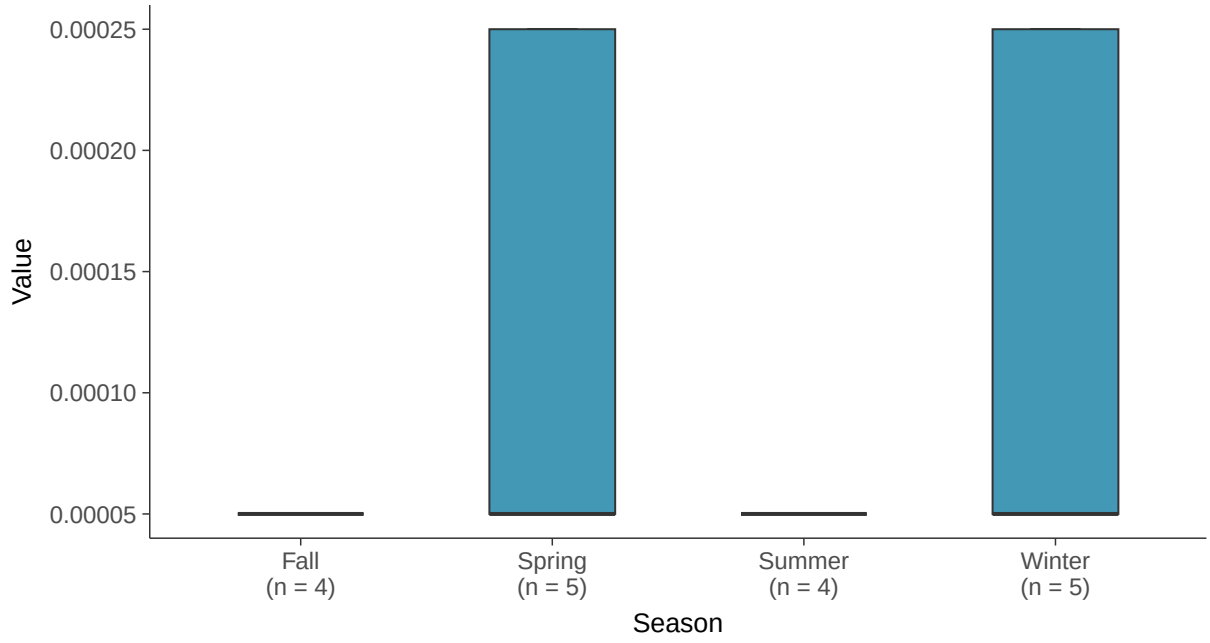
Boxplot

Silver, MW-04 (mg/L)



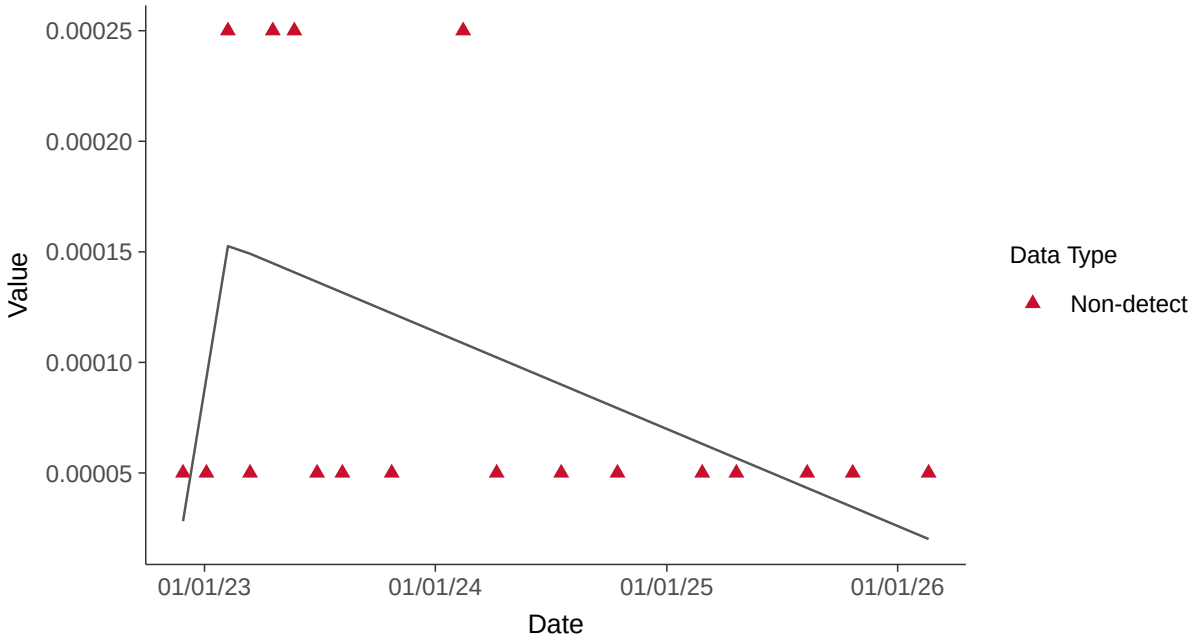
Boxplot by Season

Silver, MW-04 (mg/L)



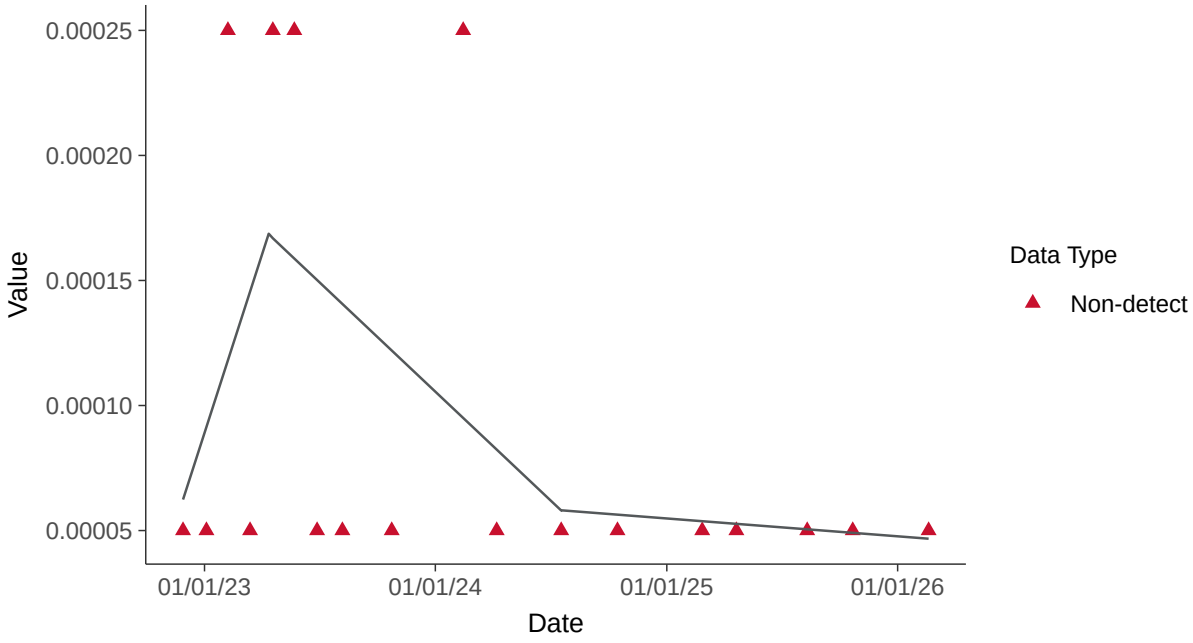
Trend Regression: Piecewise Linear-Linear

Silver, MW-04 (mg/L)



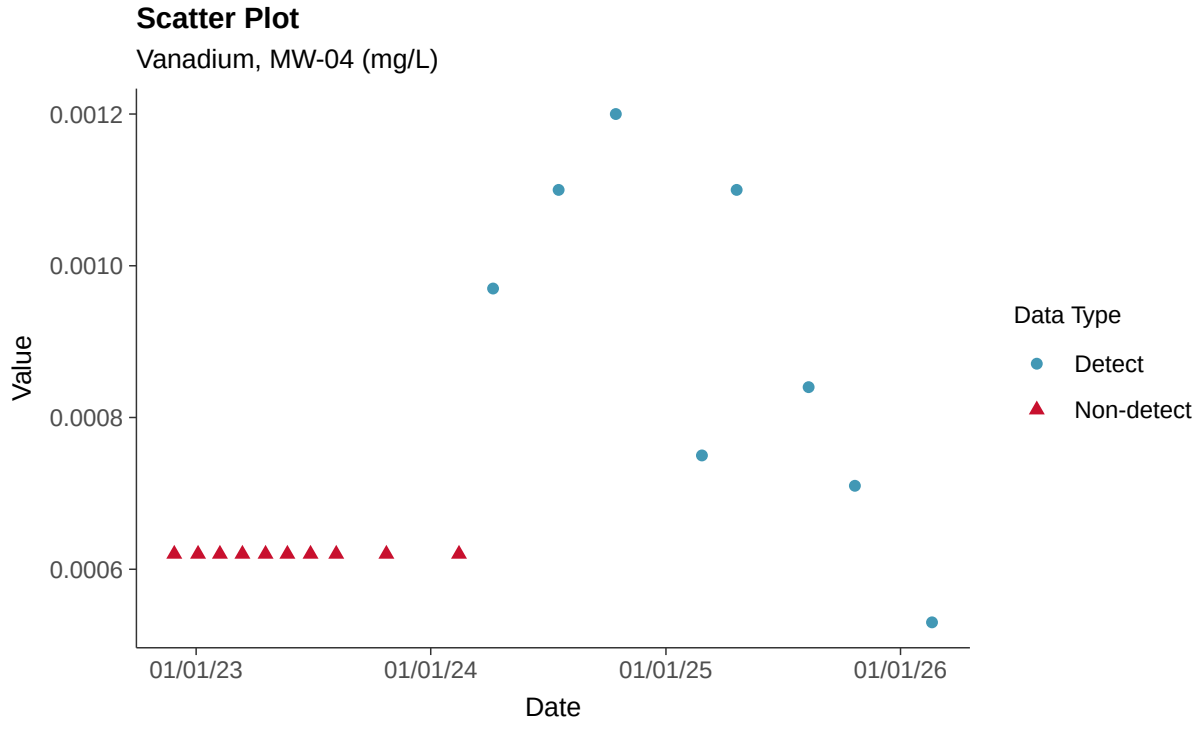
Trend Regression: Piecewise Linear-Linear-Linear

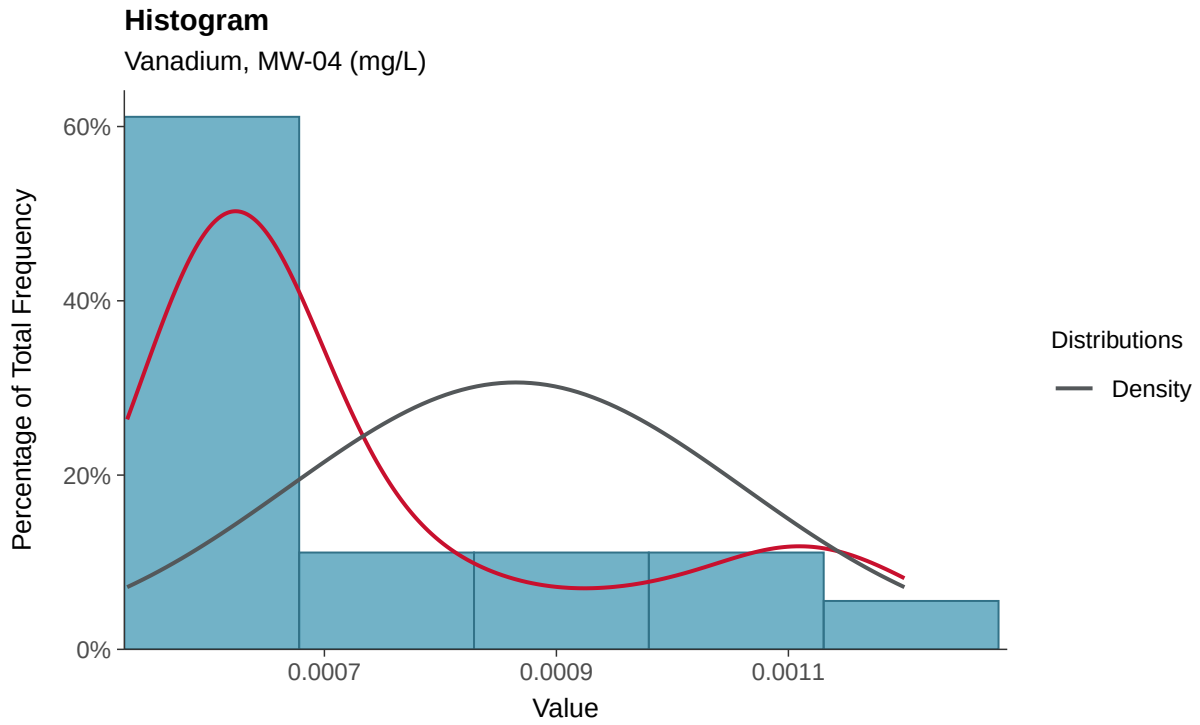
Silver, MW-04 (mg/L)



Part 115: Vanadium, MW-04

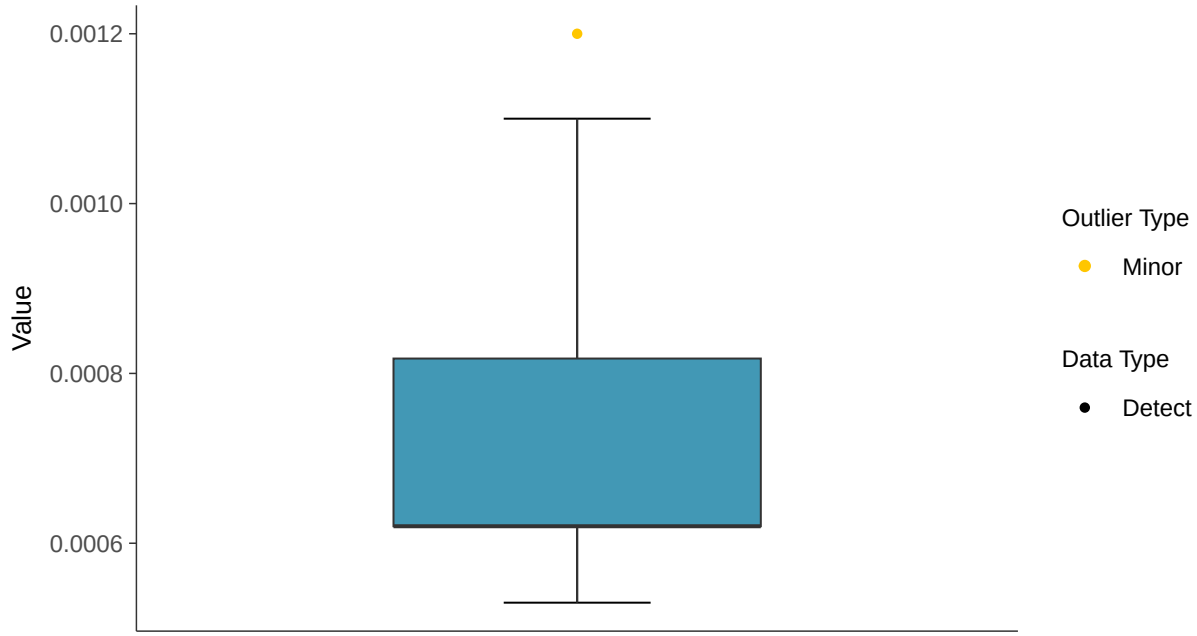
ID: 14_2_5_128





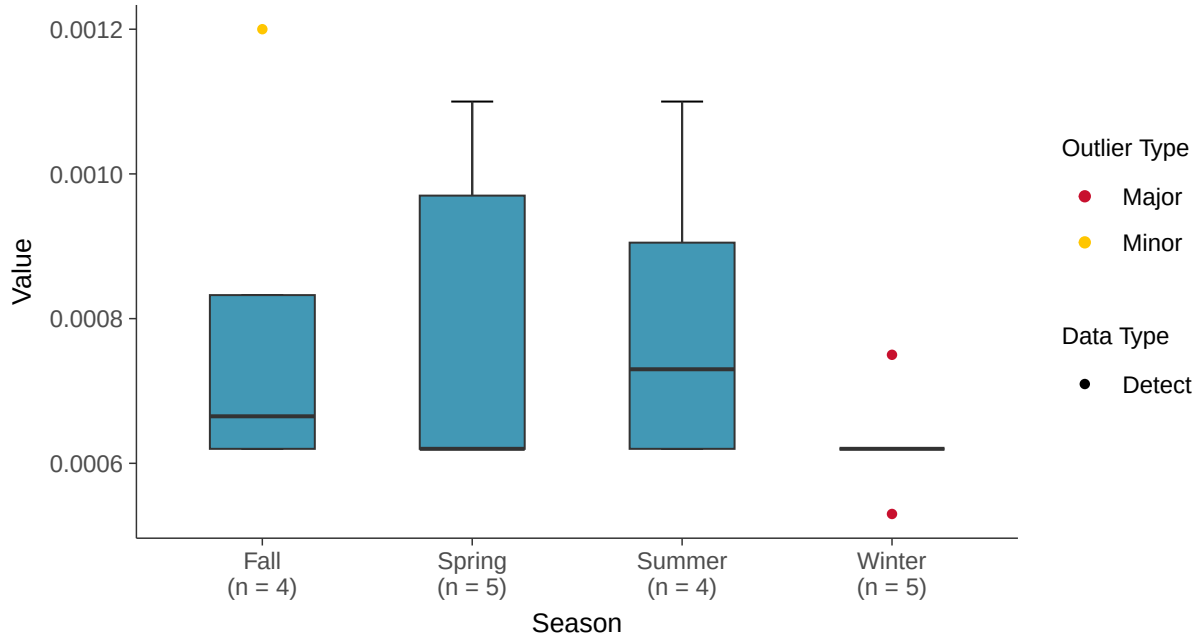
Boxplot

Vanadium, MW-04 (mg/L)



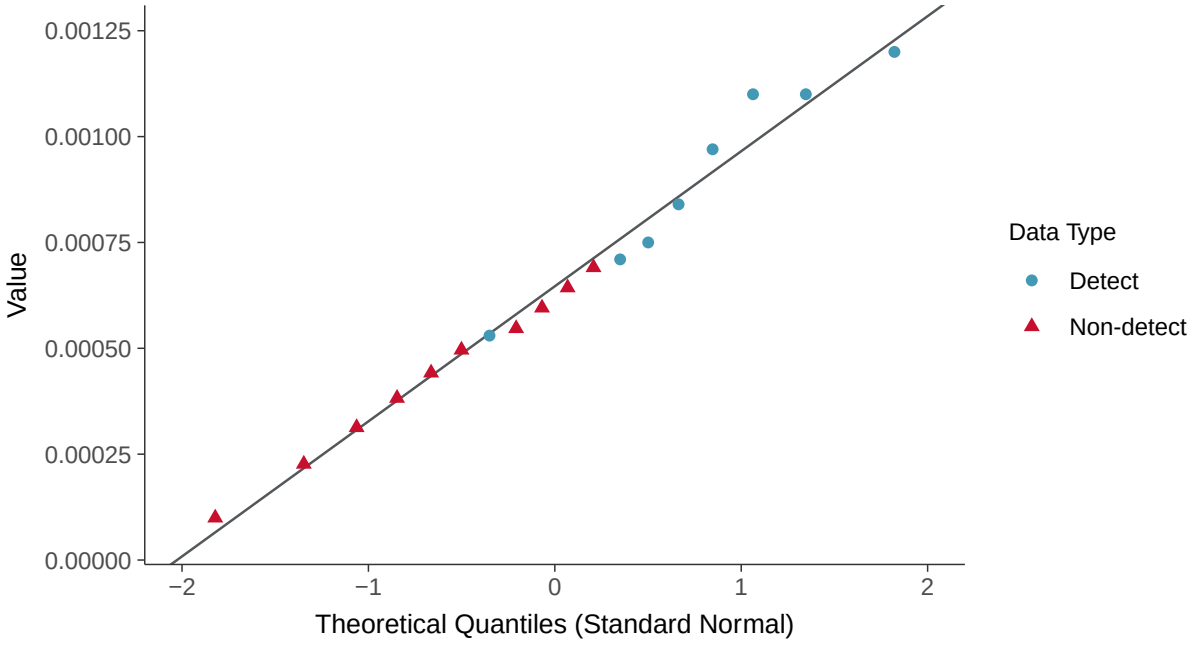
Boxplot by Season

Vanadium, MW-04 (mg/L)



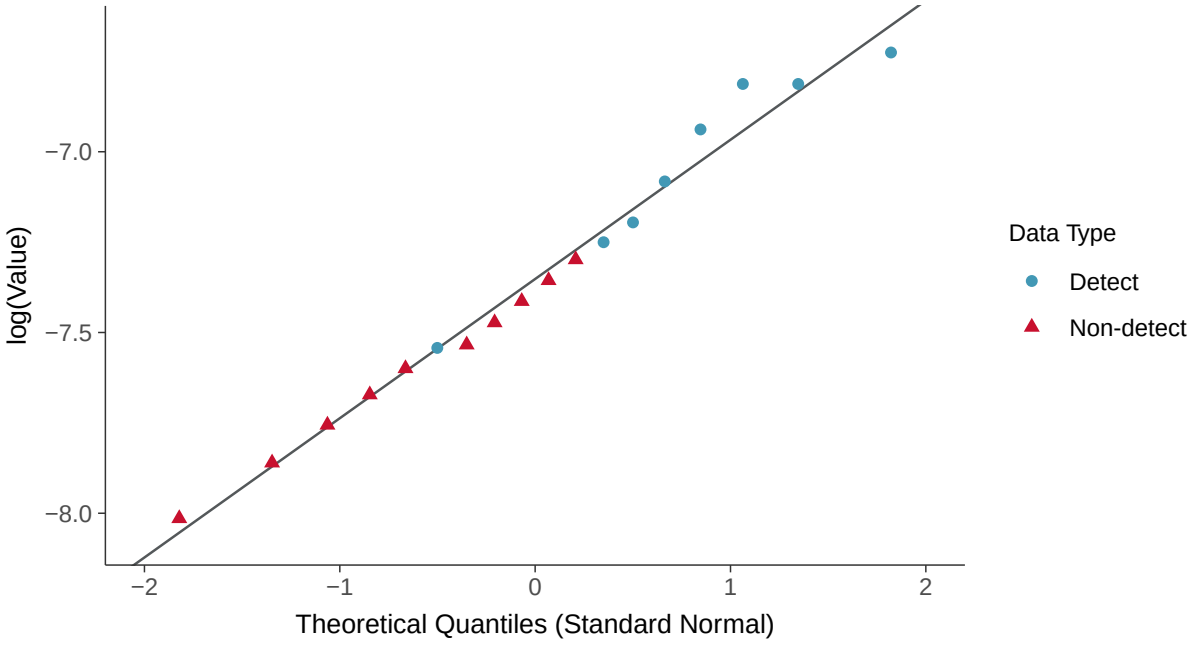
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-04 (mg/L)



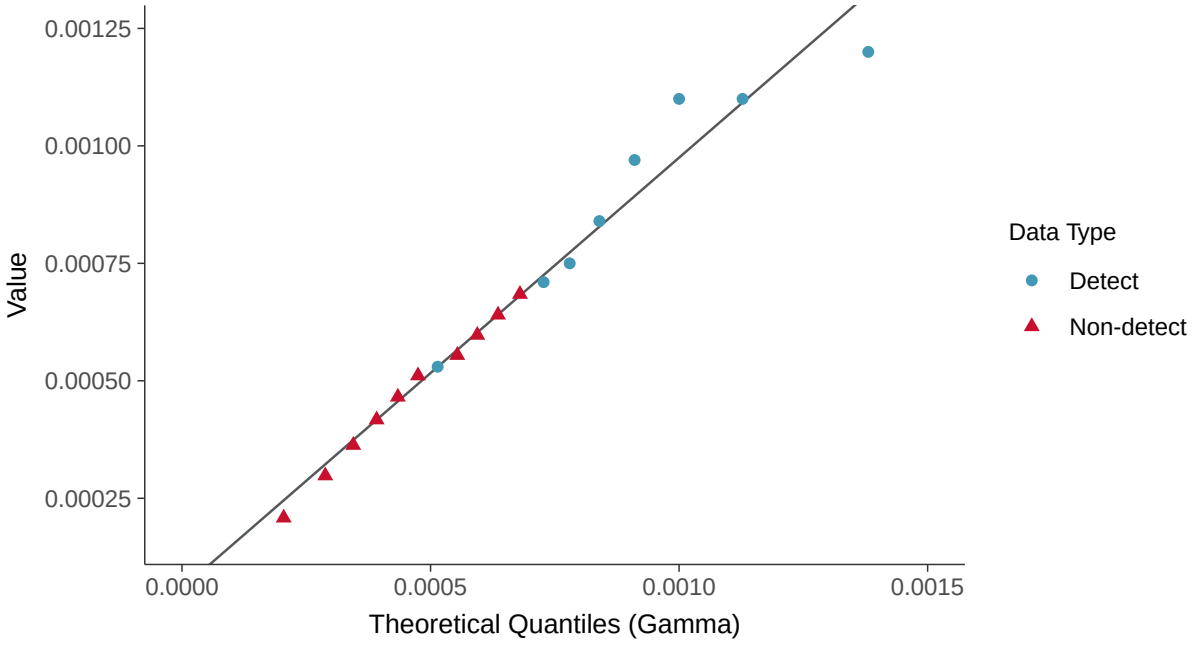
Lognormal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-04 (mg/L)



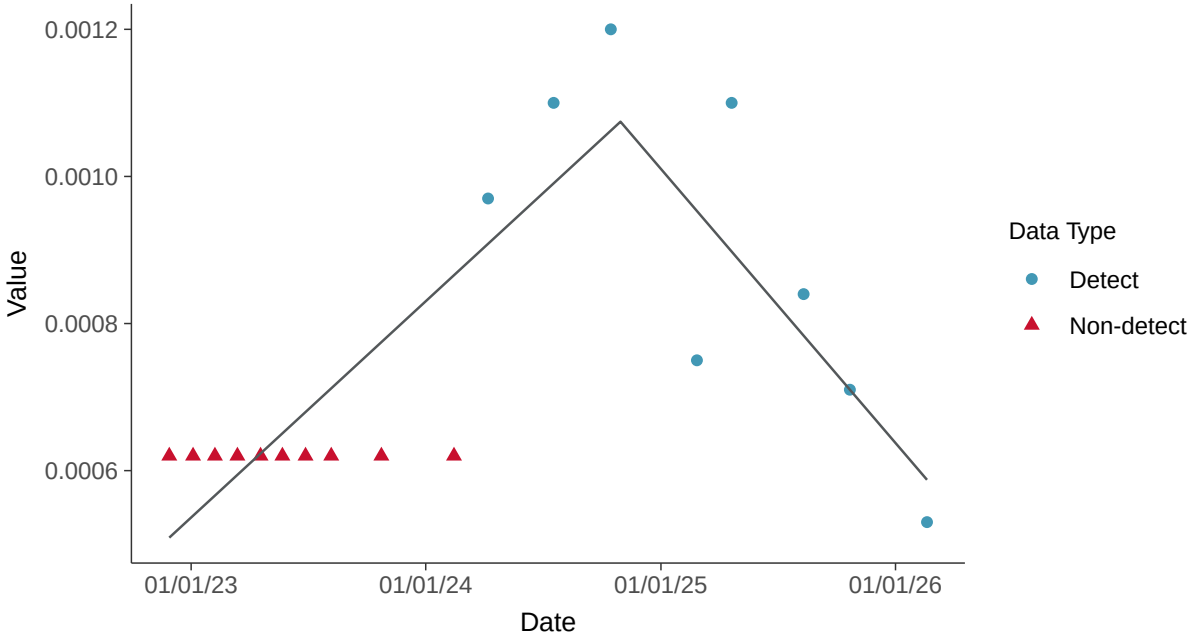
Gamma Q-Q plot using ROS Imputed Estimates

Vanadium, MW-04 (mg/L)



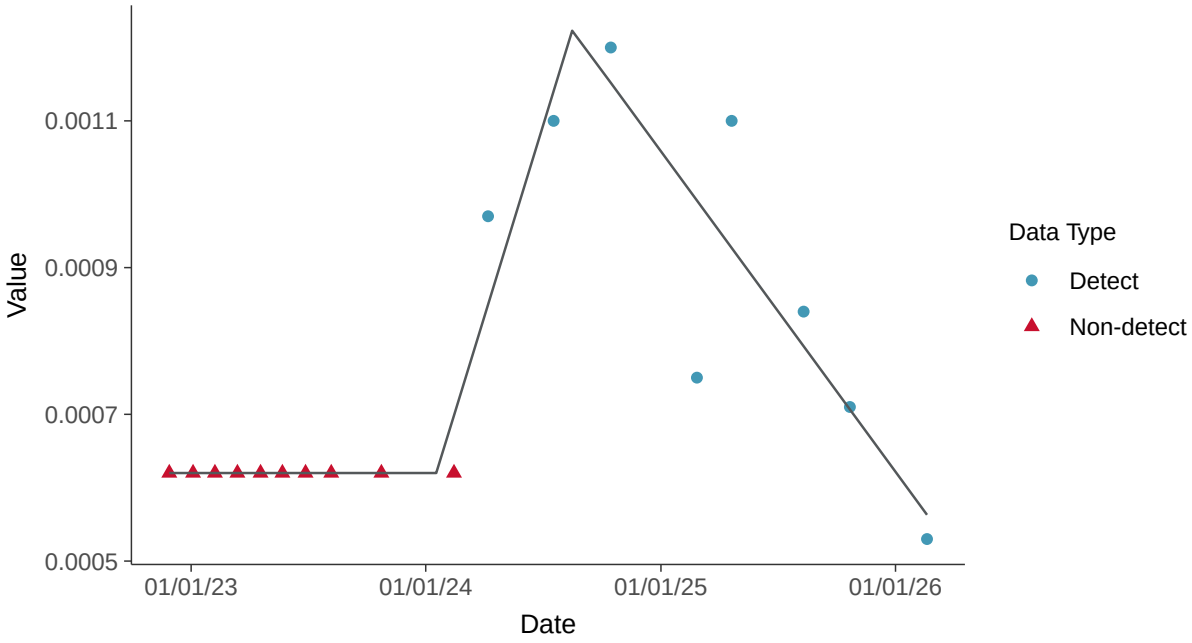
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-04 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Vanadium, MW-04 (mg/L)

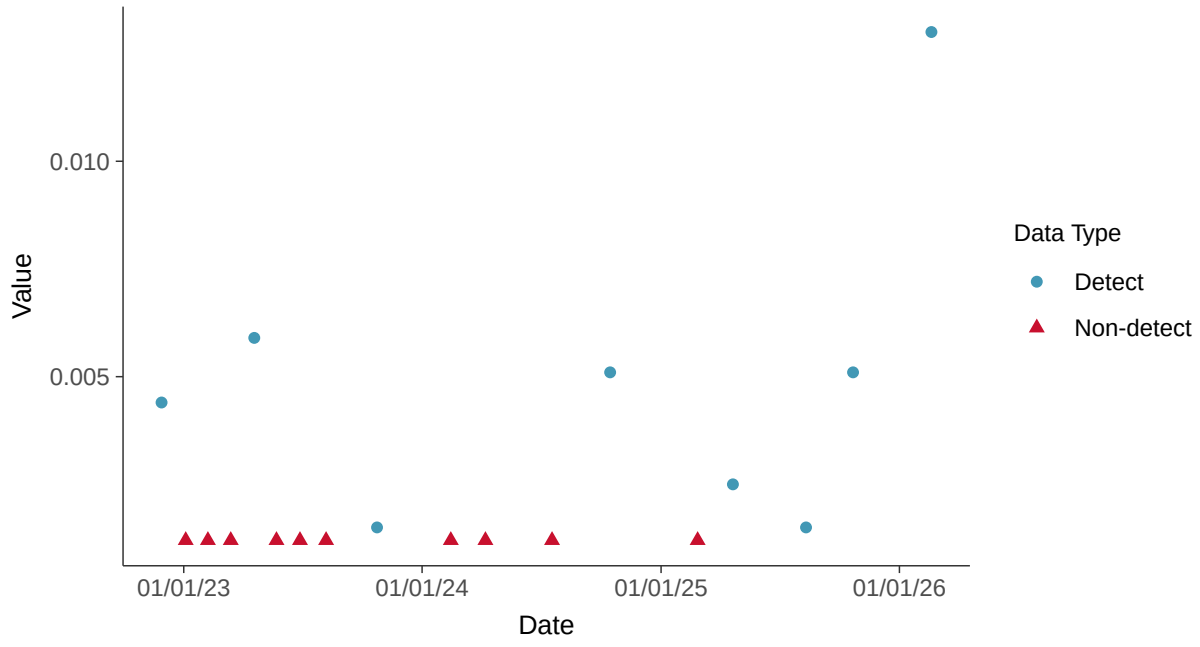


Part 115: Zinc, MW-04

ID: 14_2_5_129

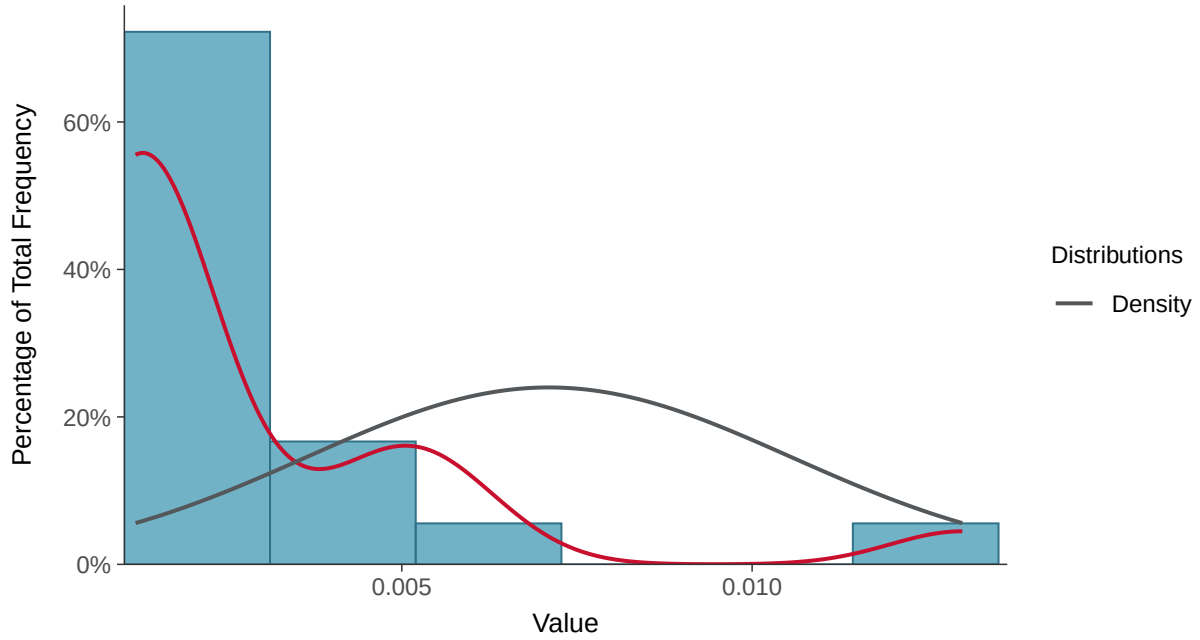
Scatter Plot

Zinc, MW-04 (mg/L)



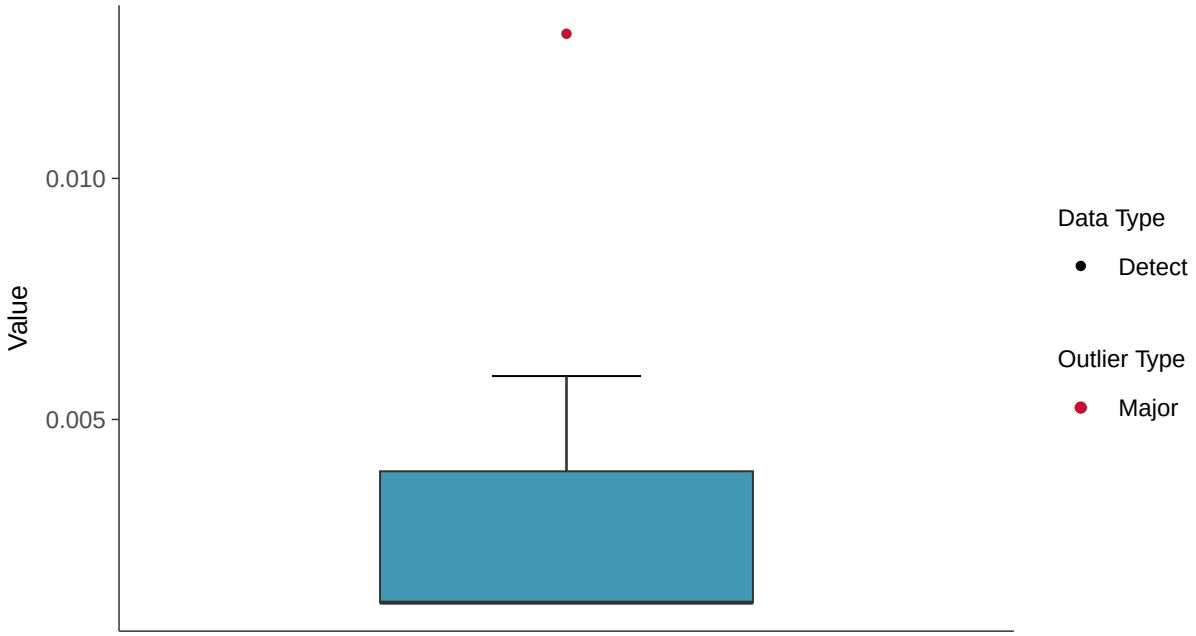
Histogram

Zinc, MW-04 (mg/L)



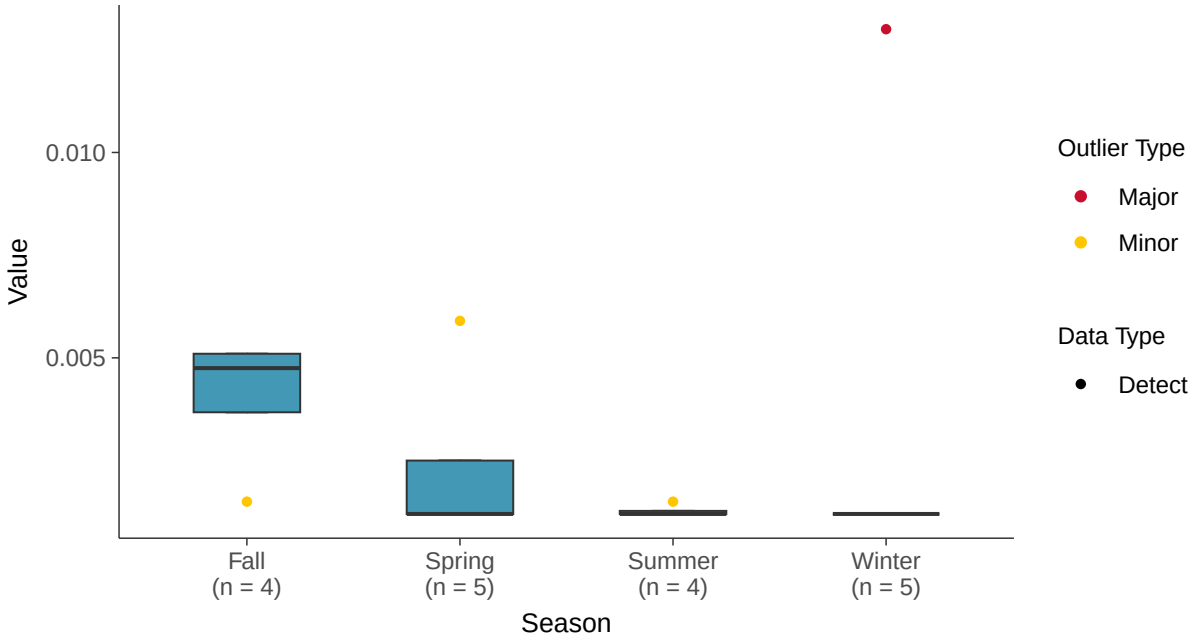
Boxplot

Zinc, MW-04 (mg/L)



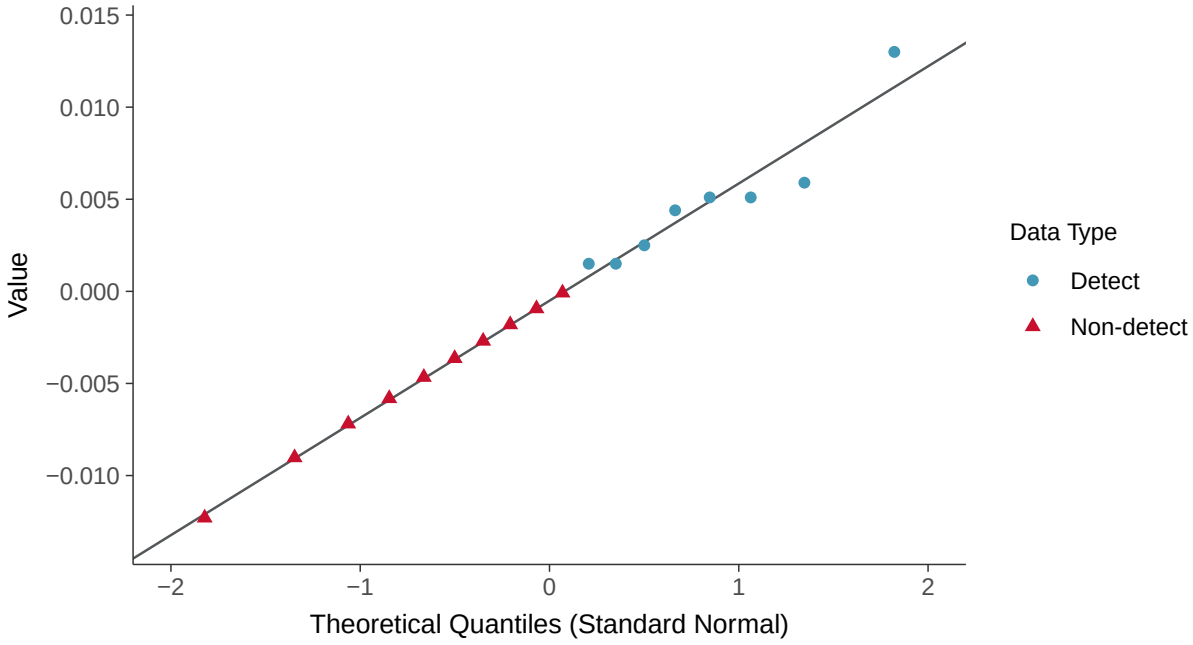
Boxplot by Season

Zinc, MW-04 (mg/L)



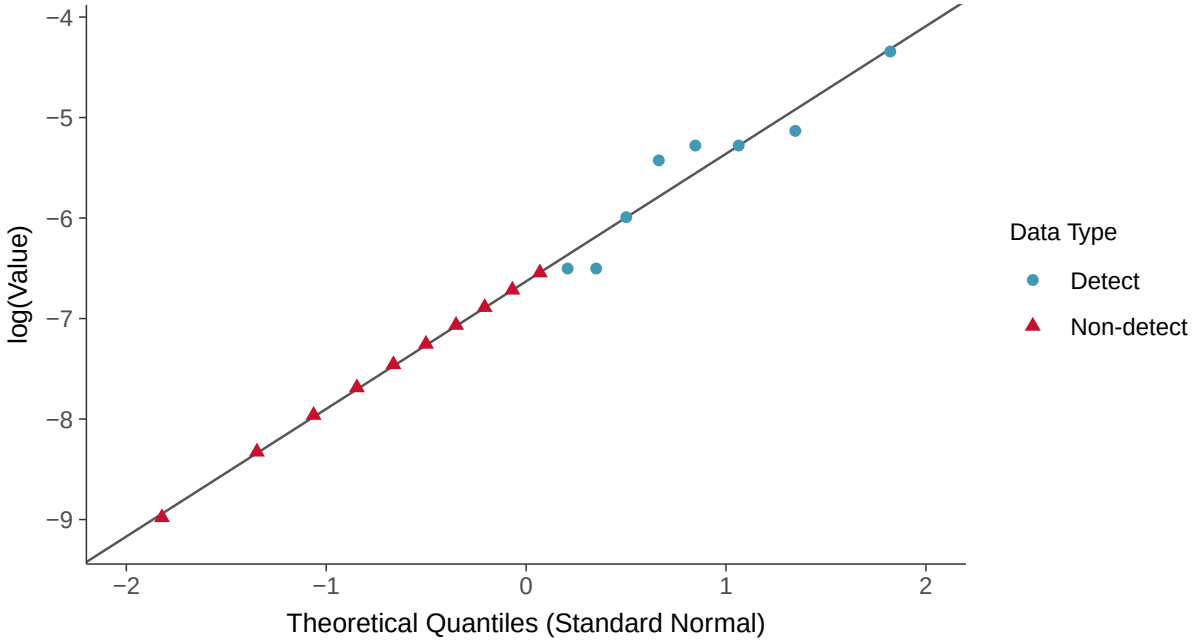
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-04 (mg/L)



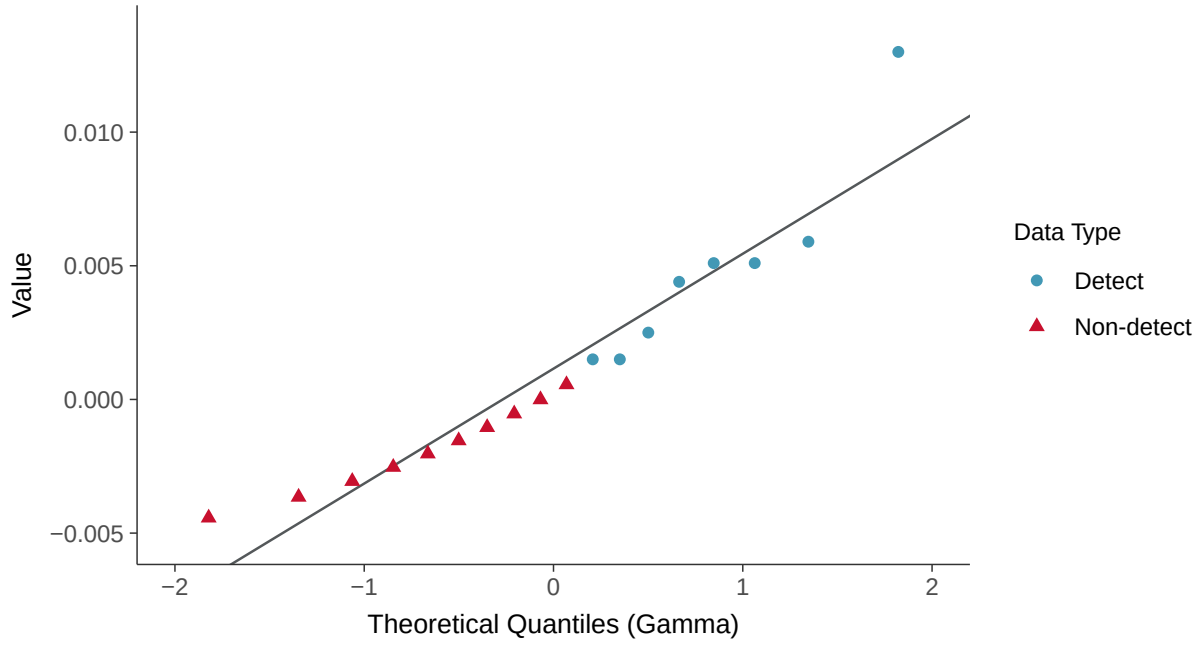
Lognormal Q-Q plot using ROS Imputed Estimates

Zinc, MW-04 (mg/L)



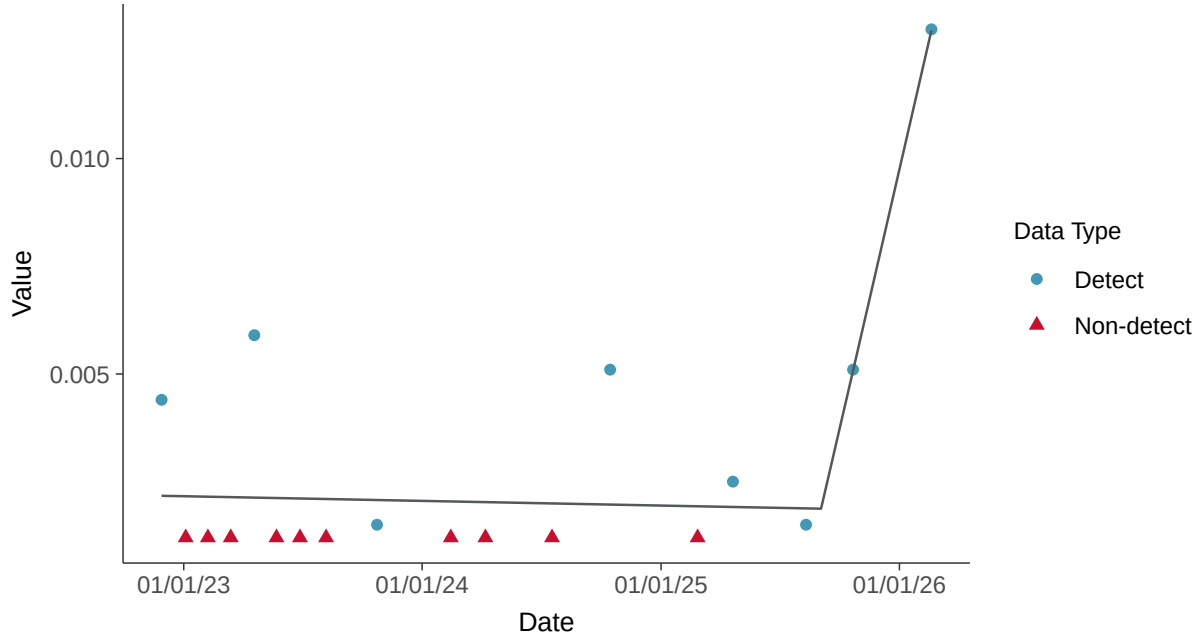
Gamma Q-Q plot using ROS Imputed Estimates

Zinc, MW-04 (mg/L)



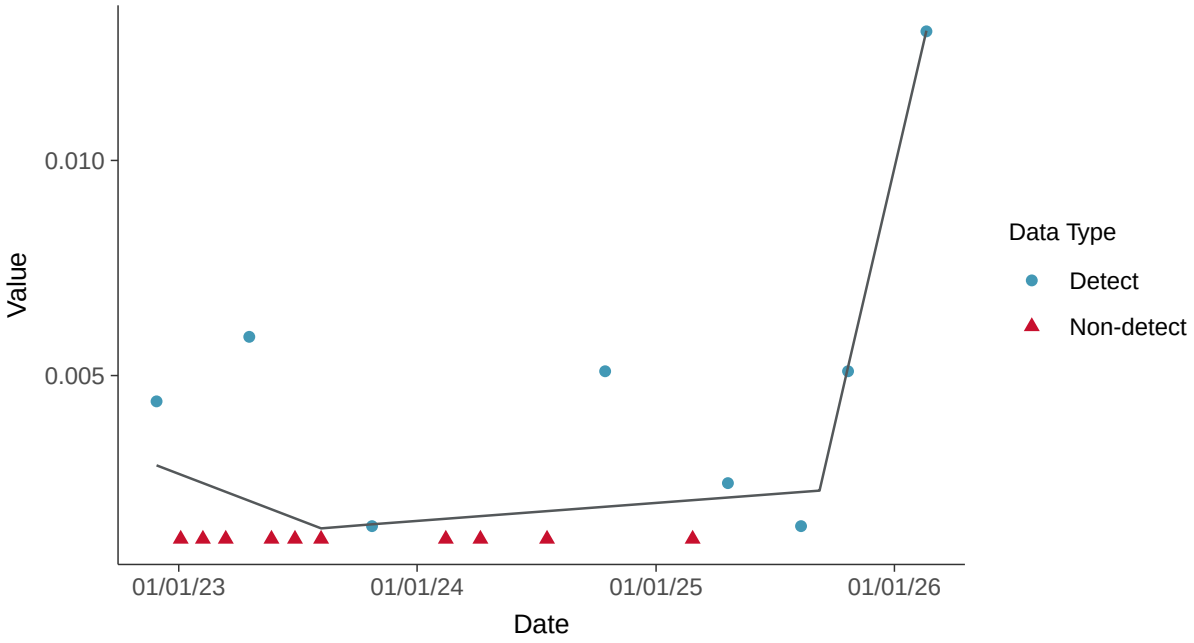
Trend Regression: Piecewise Linear-Linear

Zinc, MW-04 (mg/L)



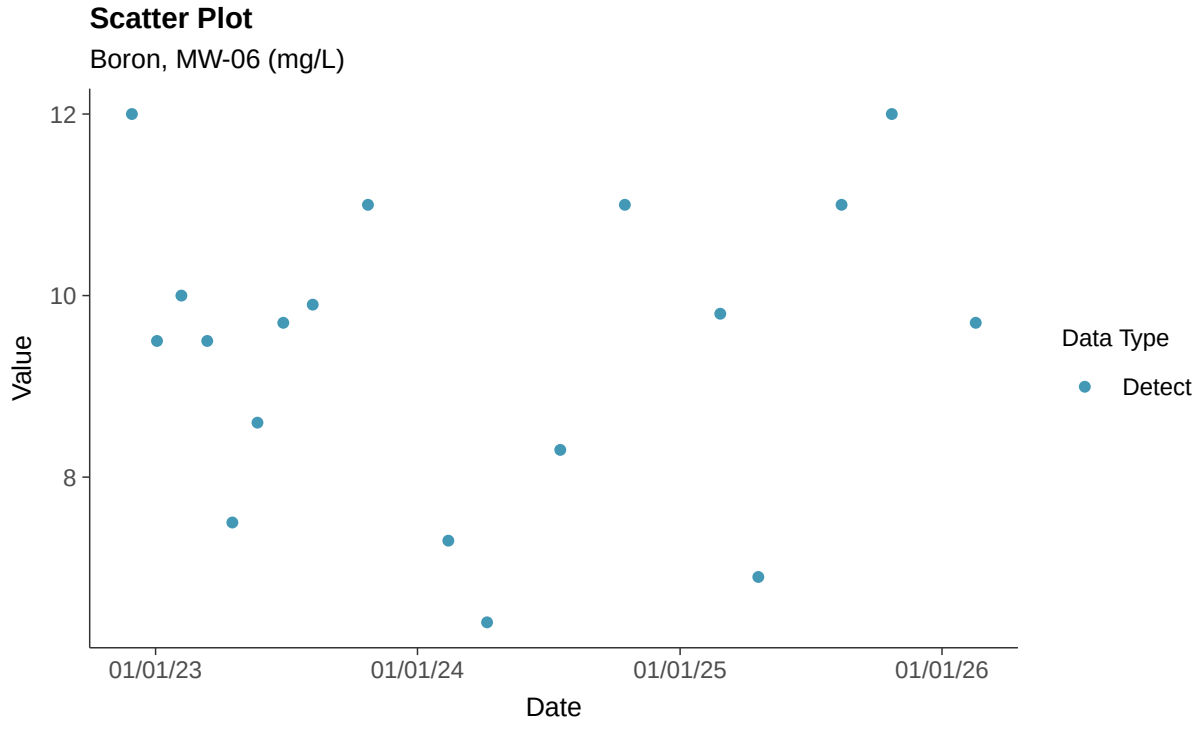
Trend Regression: Piecewise Linear-Linear-Linear

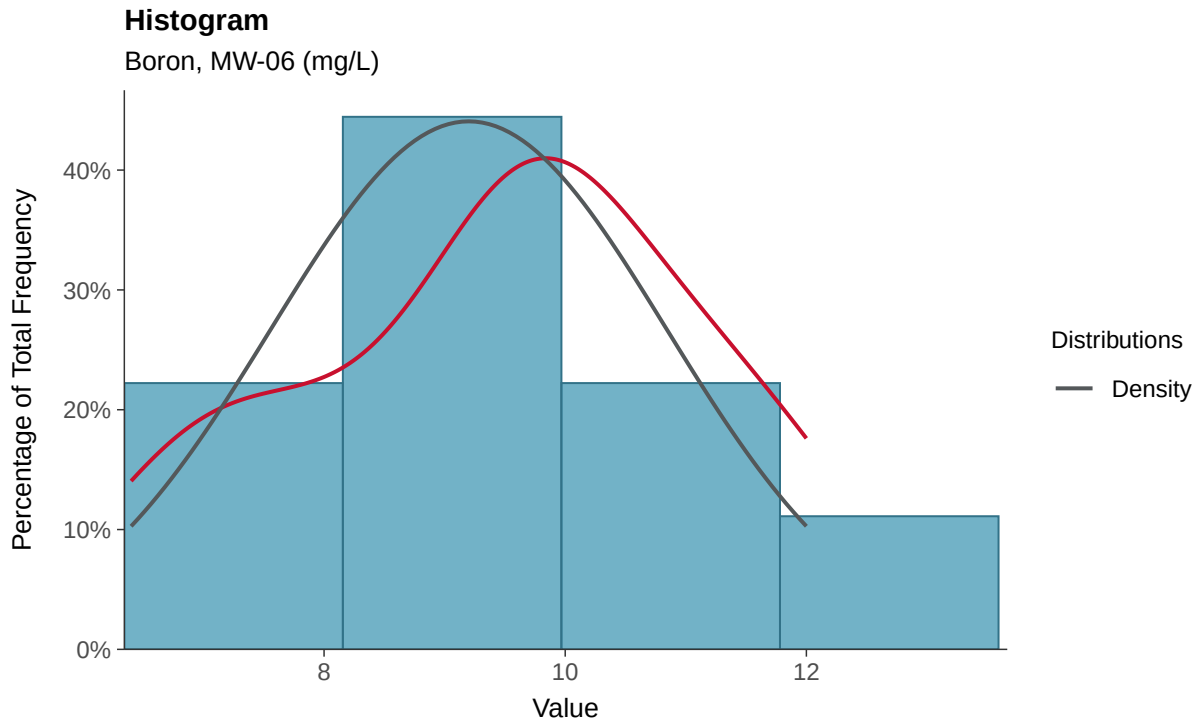
Zinc, MW-04 (mg/L)



Appendix III: Boron, MW-06

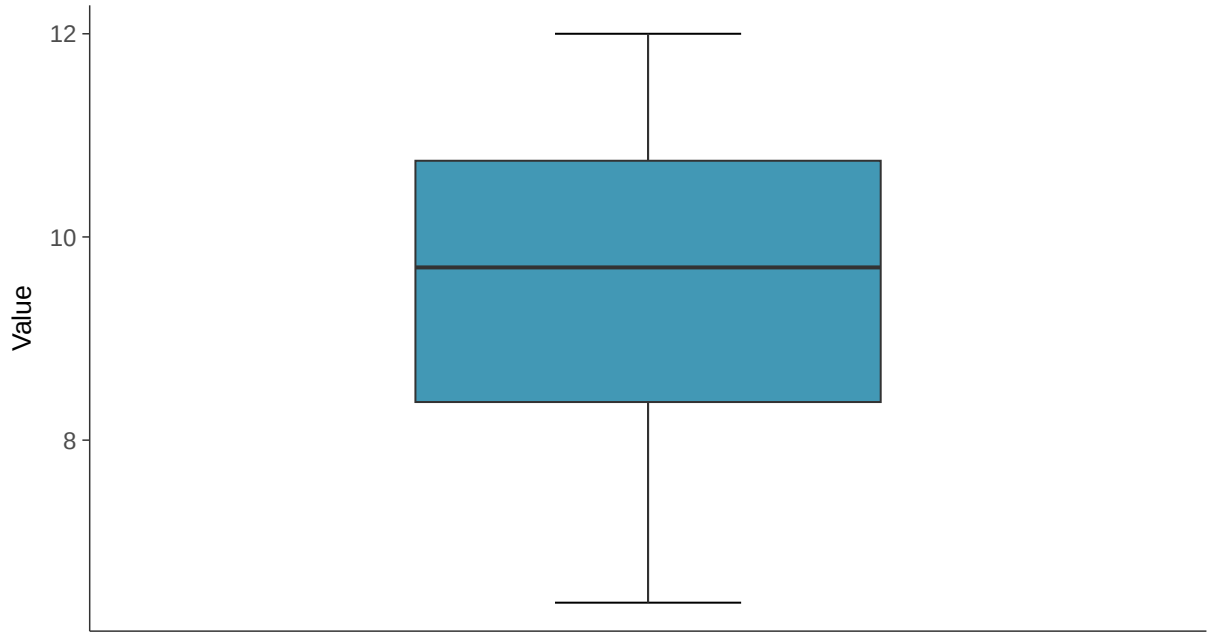
ID: 16_1_3_105





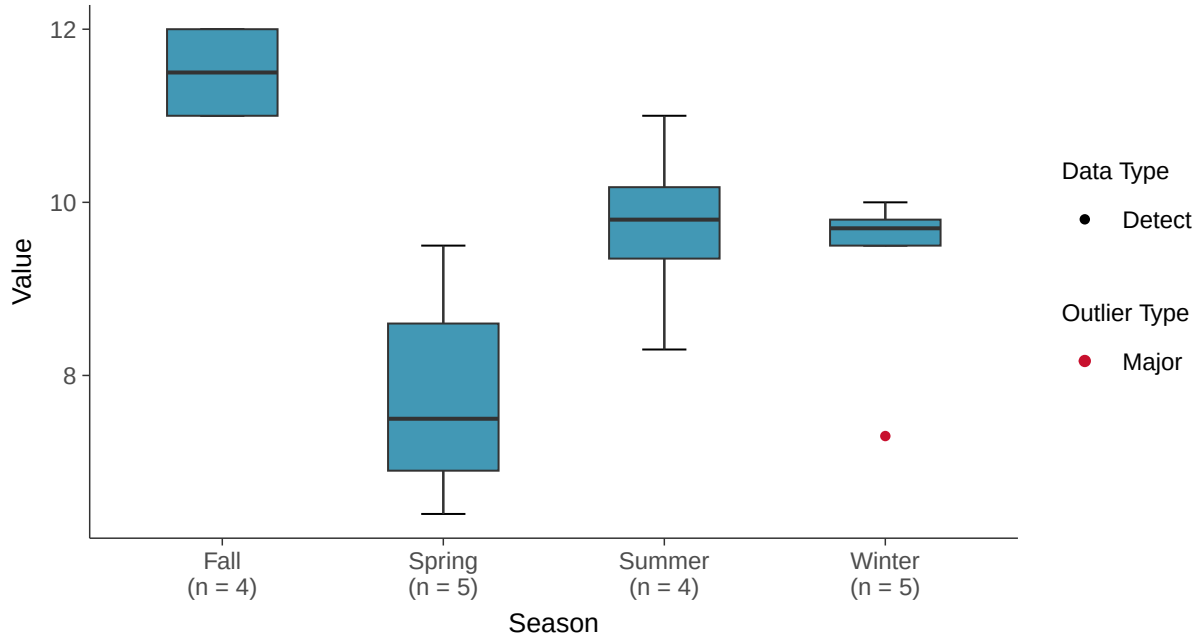
Boxplot

Boron, MW-06 (mg/L)



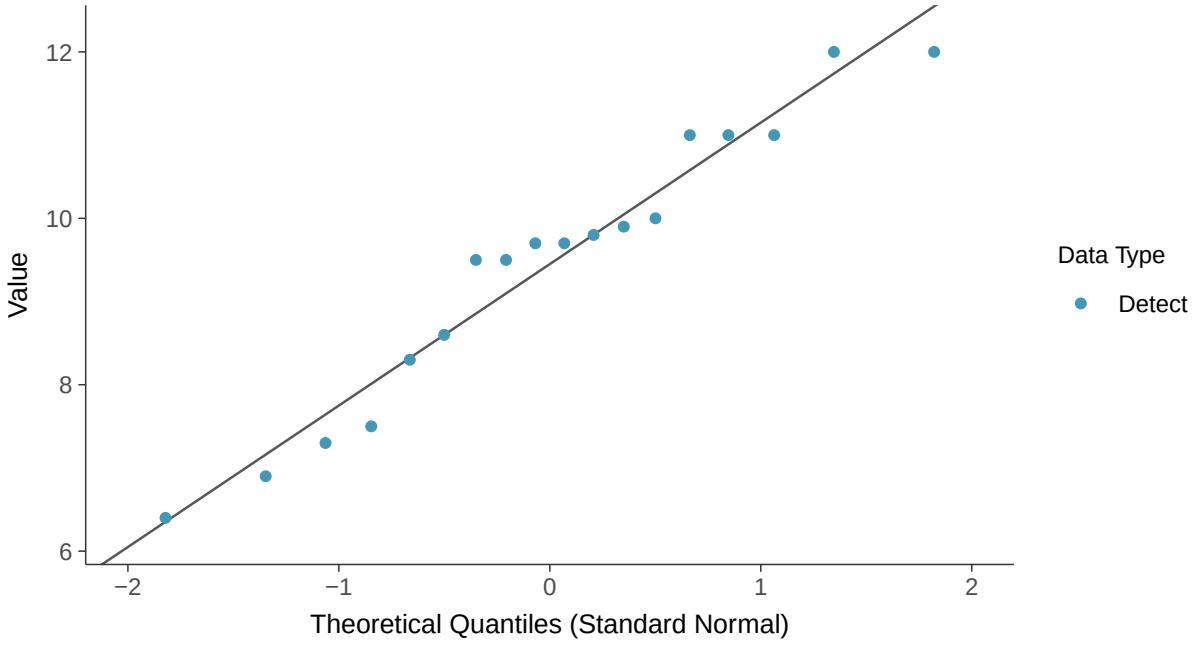
Boxplot by Season

Boron, MW-06 (mg/L)



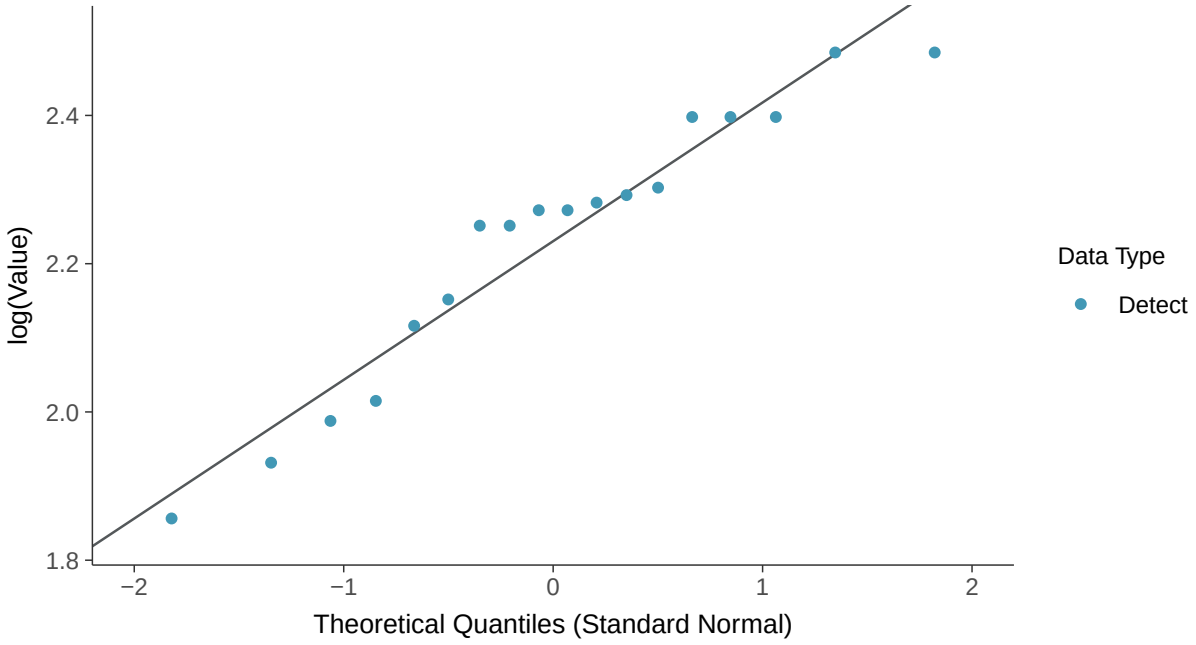
Normal Q-Q plot

Boron, MW-06 (mg/L)



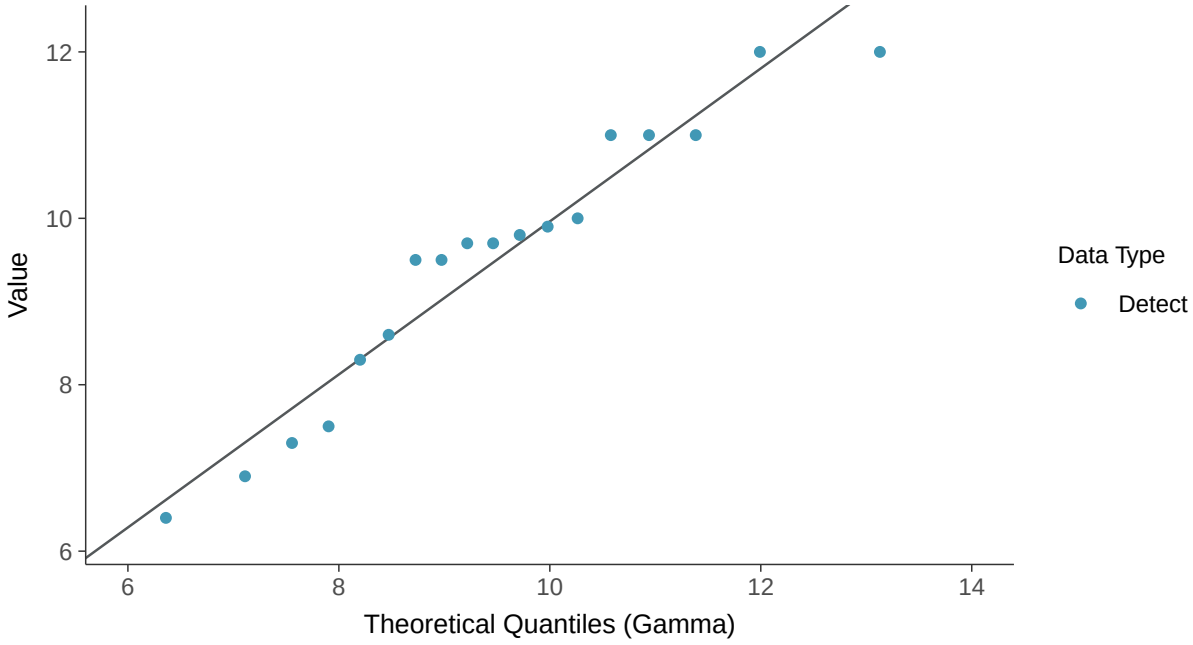
Lognormal Q-Q plot

Boron, MW-06 (mg/L)



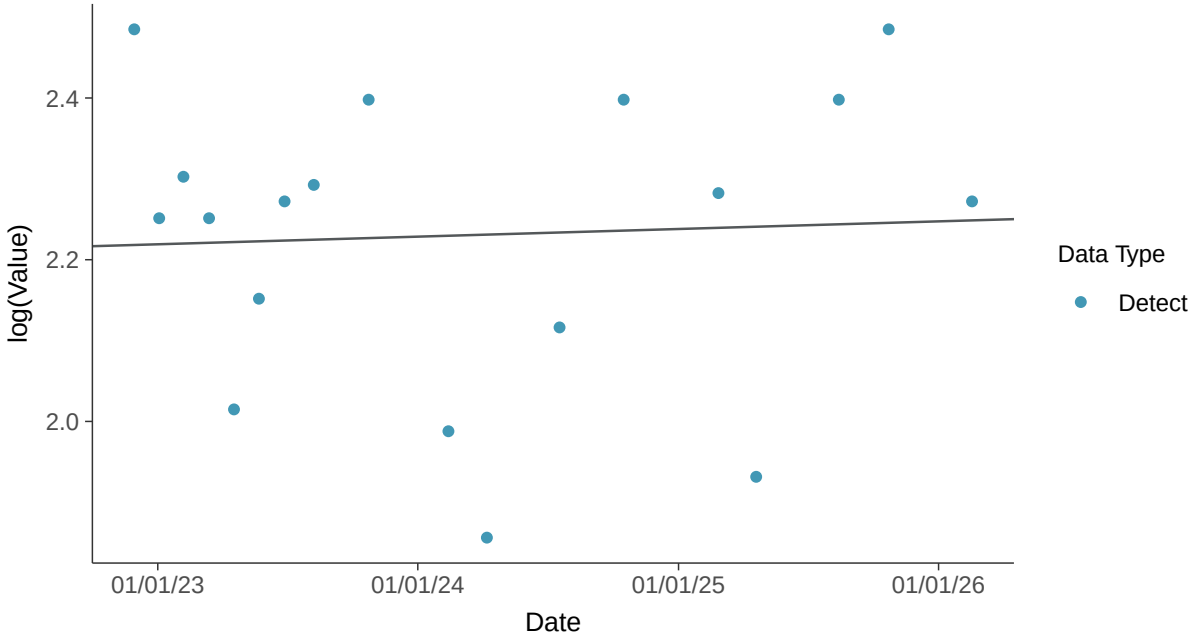
Gamma Q-Q plot

Boron, MW-06 (mg/L)



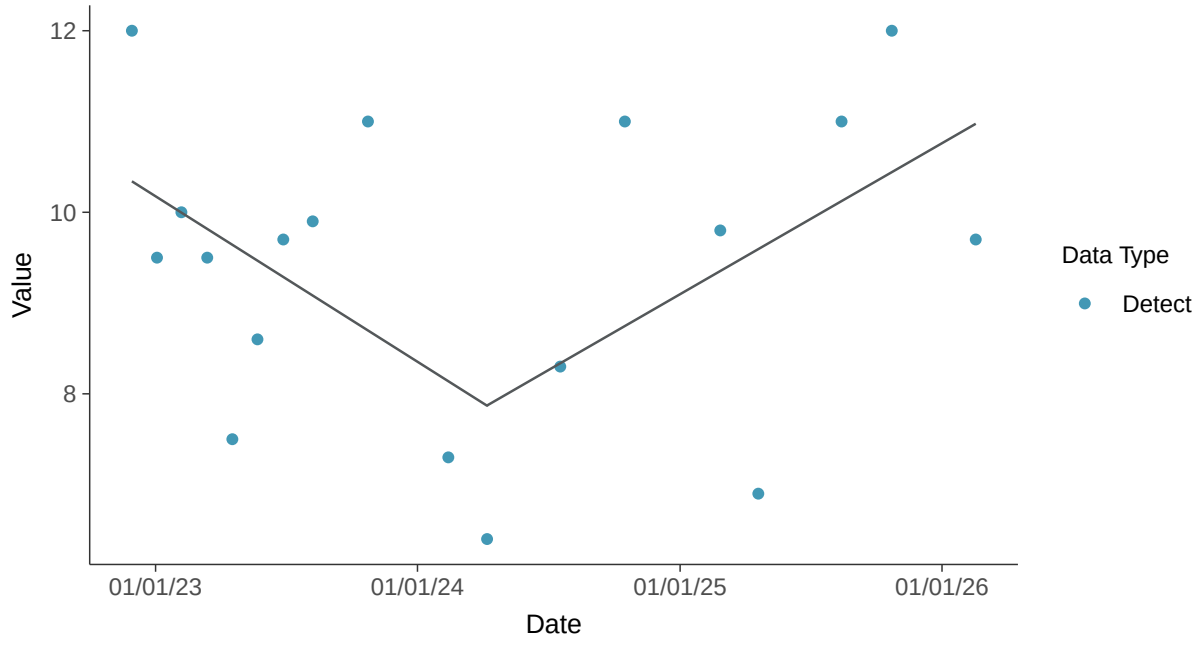
Trend Regression: Lognormal MLE

Boron, MW-06 (mg/L)



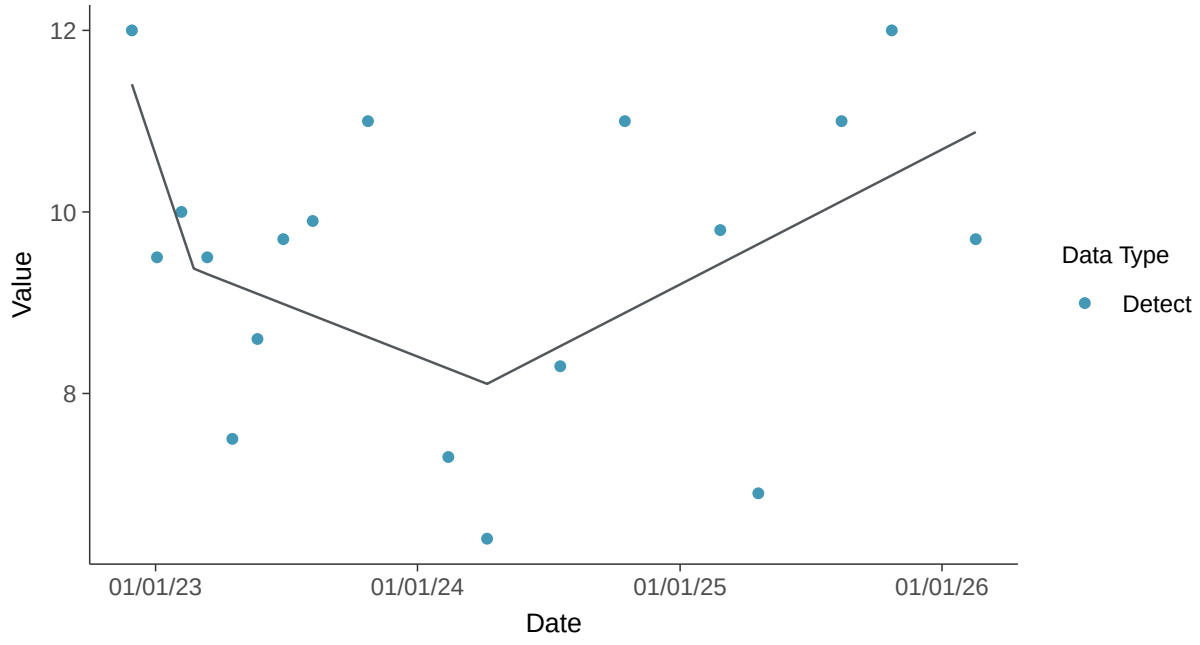
Trend Regression: Piecewise Linear-Linear

Boron, MW-06 (mg/L)



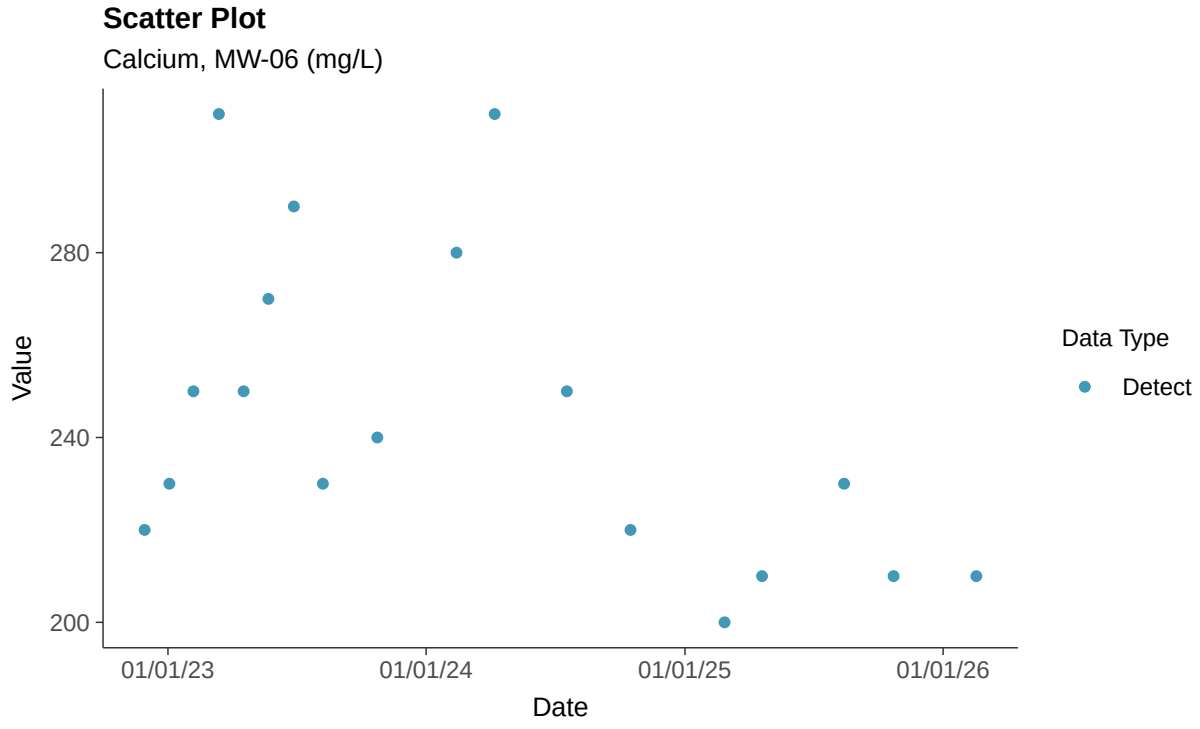
Trend Regression: Piecewise Linear-Linear-Linear

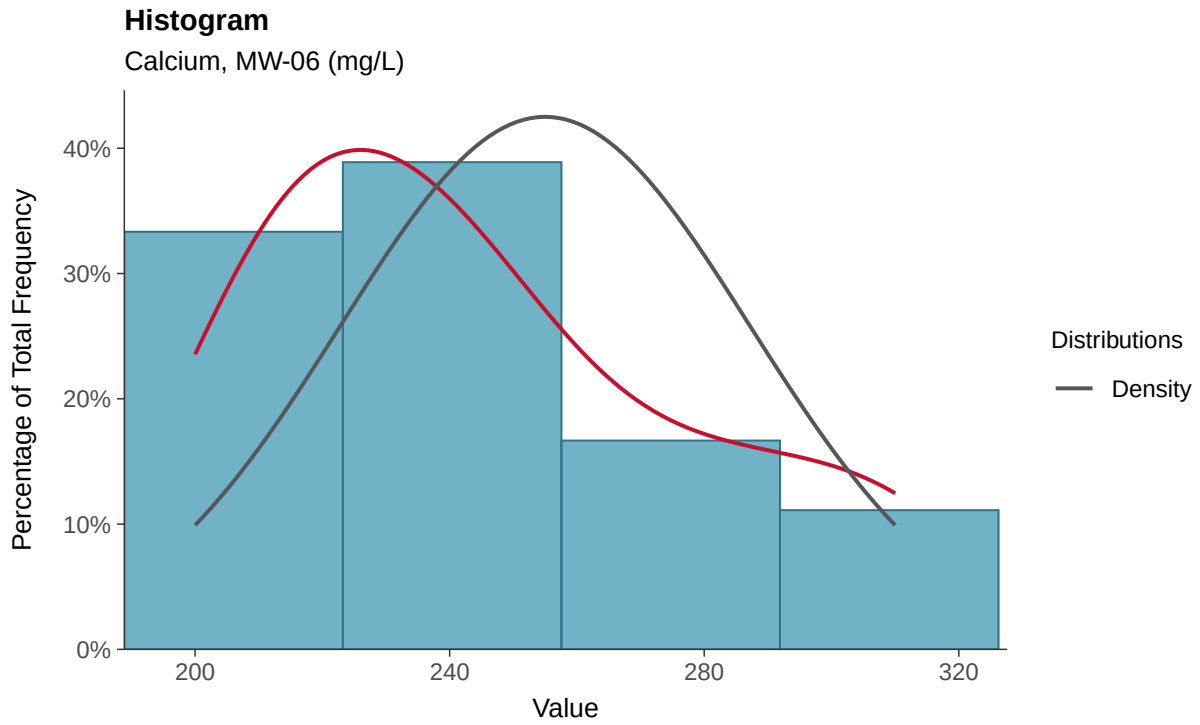
Boron, MW-06 (mg/L)



Appendix III: Calcium, MW-06

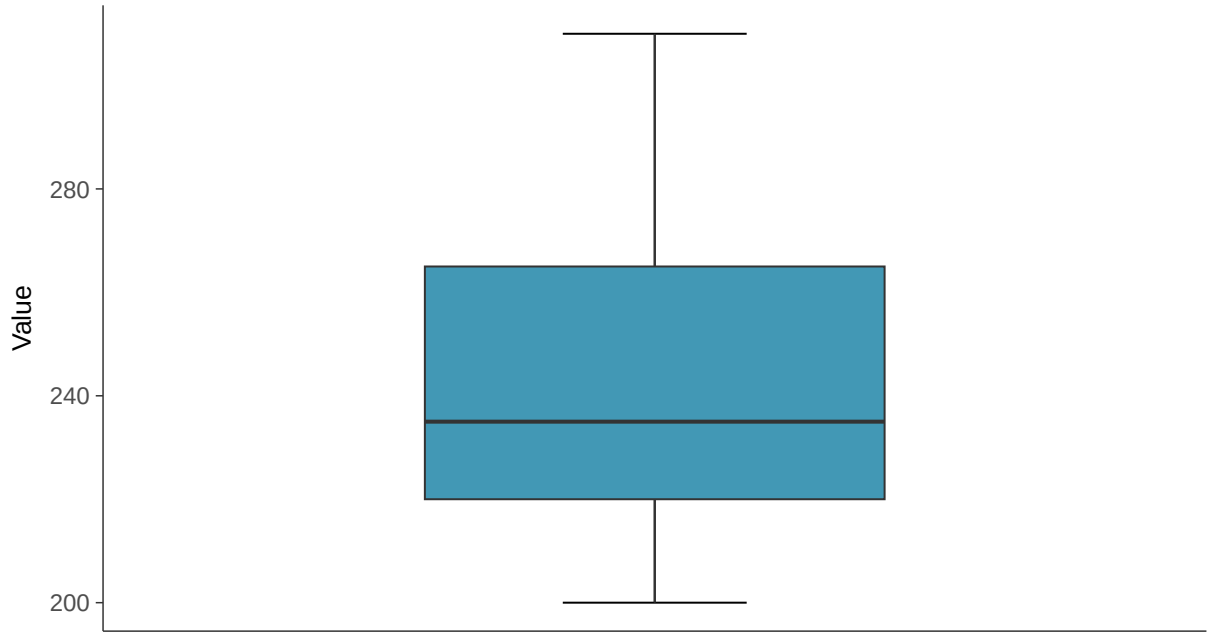
ID: 16_1_3_107





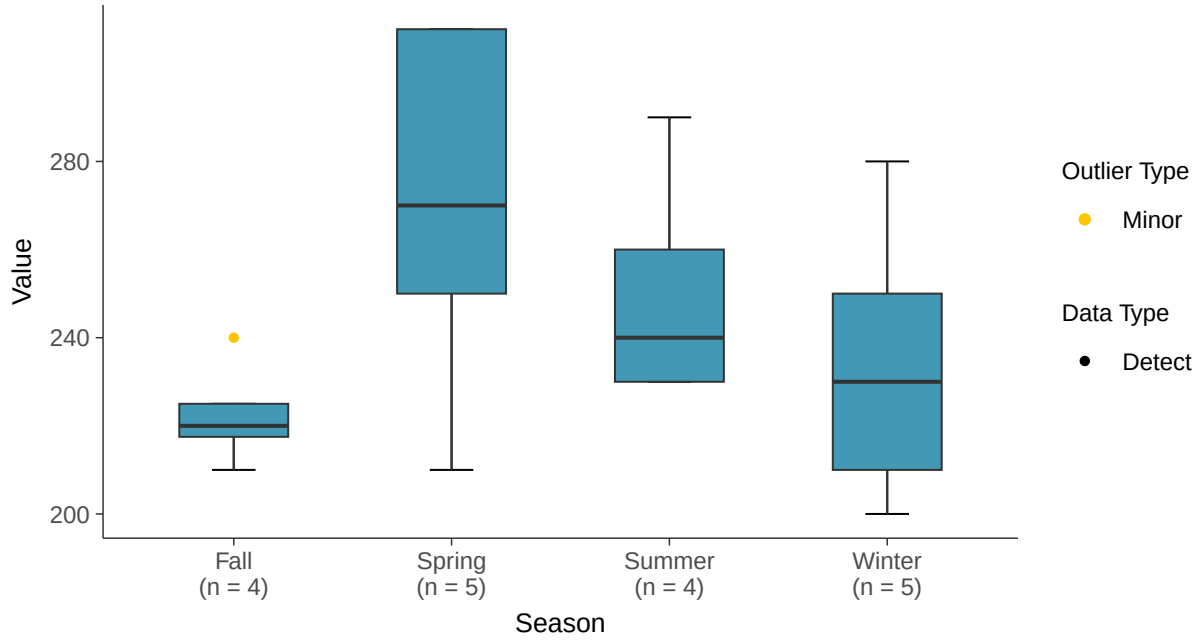
Boxplot

Calcium, MW-06 (mg/L)



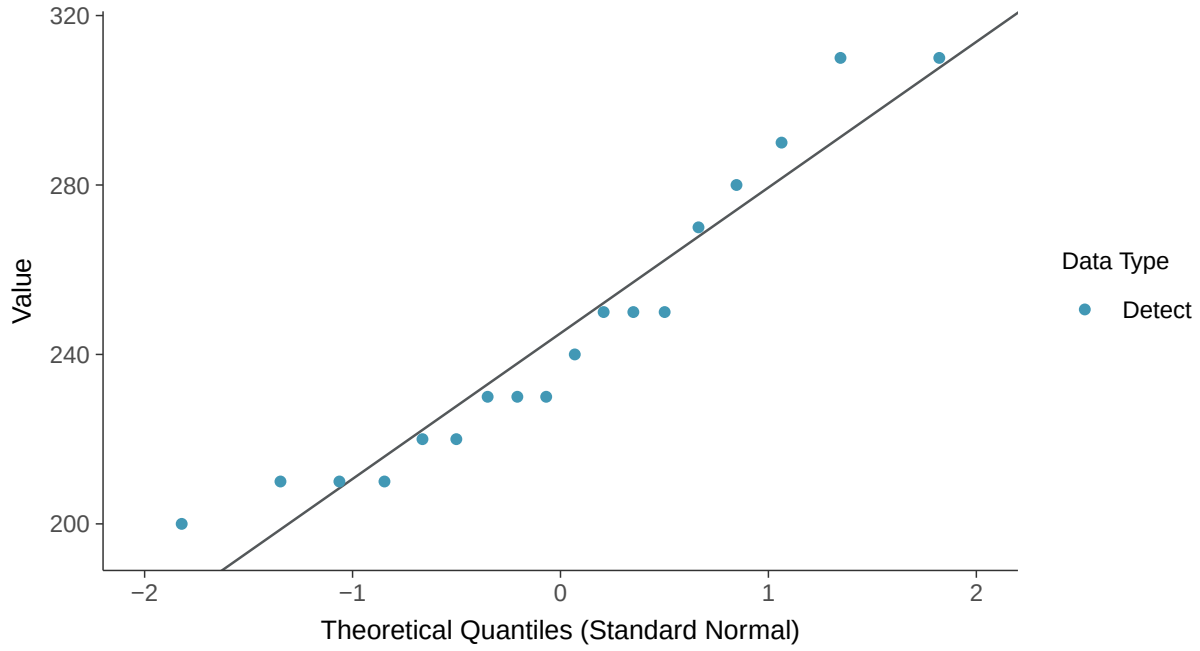
Boxplot by Season

Calcium, MW-06 (mg/L)



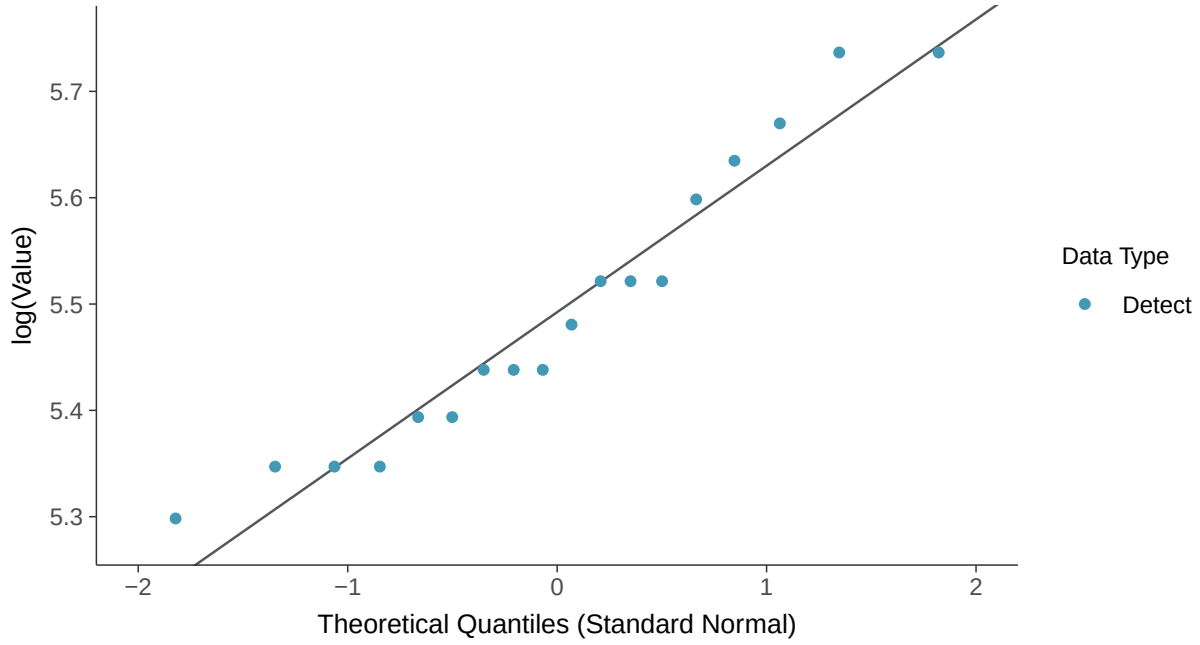
Normal Q-Q plot

Calcium, MW-06 (mg/L)



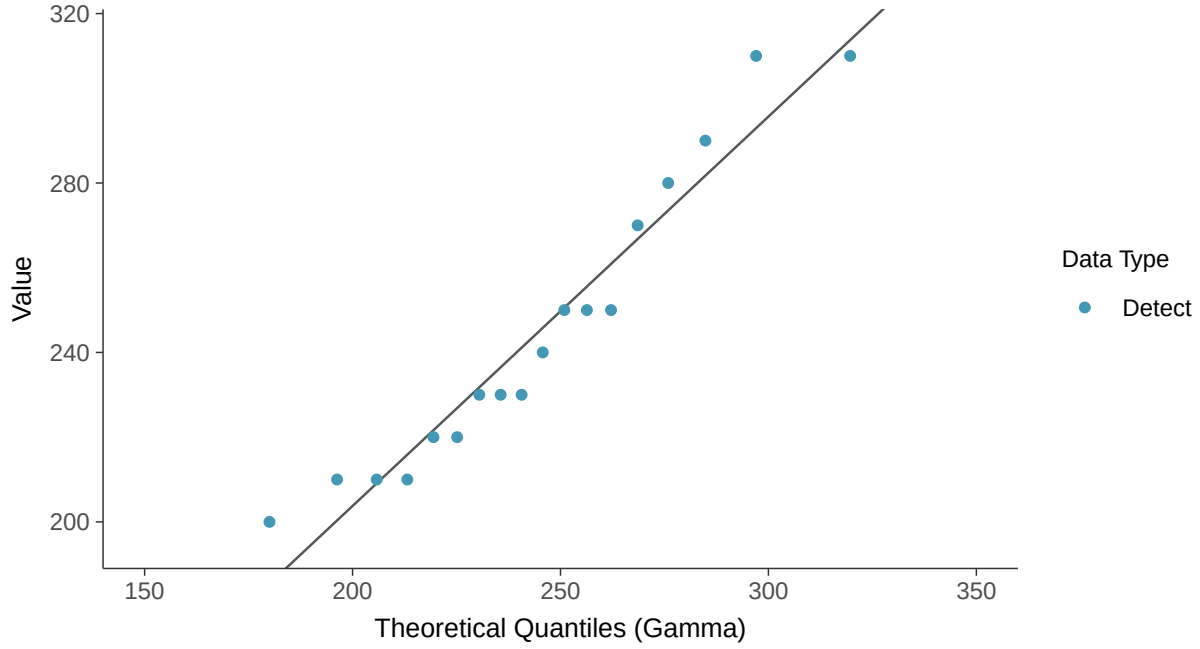
Lognormal Q-Q plot

Calcium, MW-06 (mg/L)



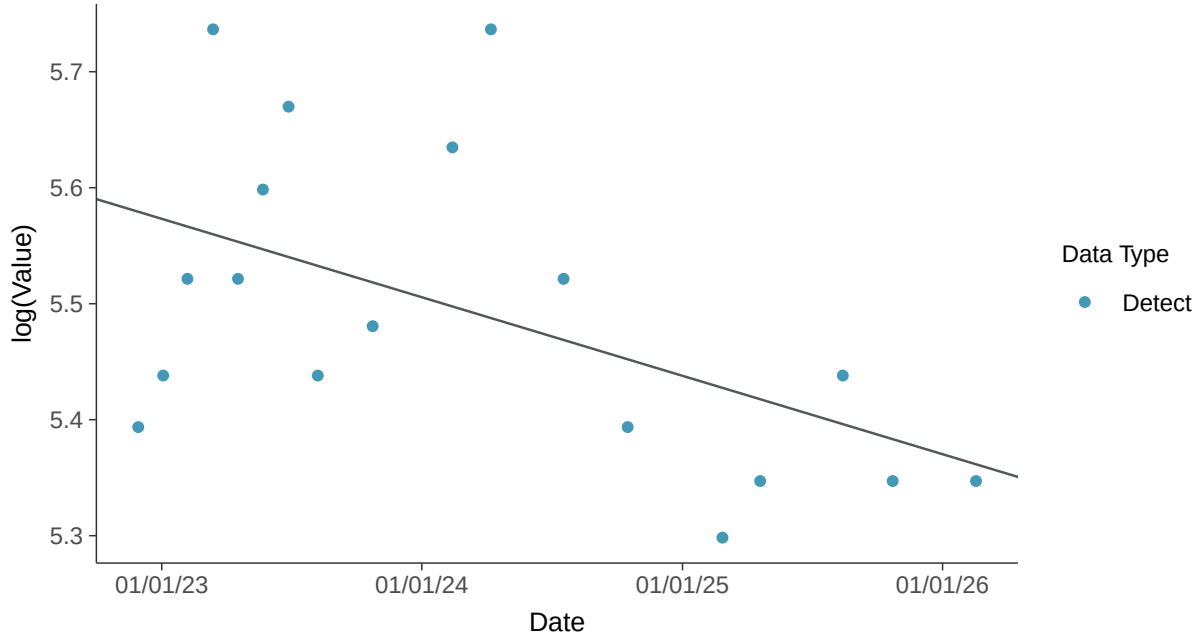
Gamma Q-Q plot

Calcium, MW-06 (mg/L)



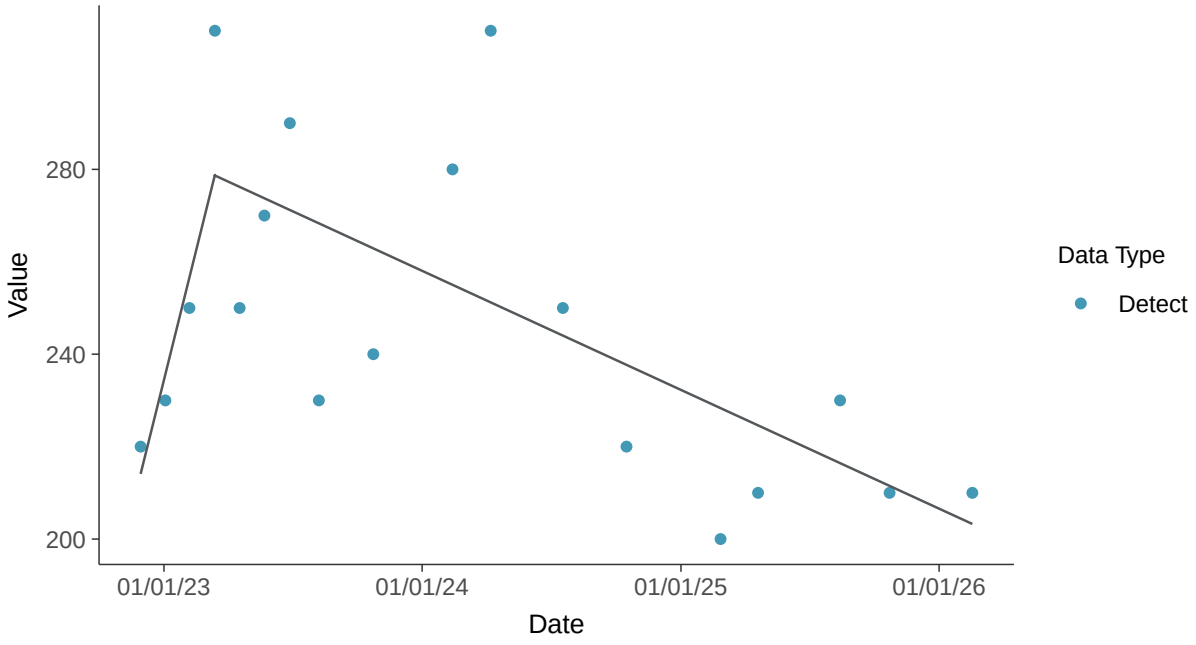
Trend Regression: Lognormal MLE

Calcium, MW-06 (mg/L)



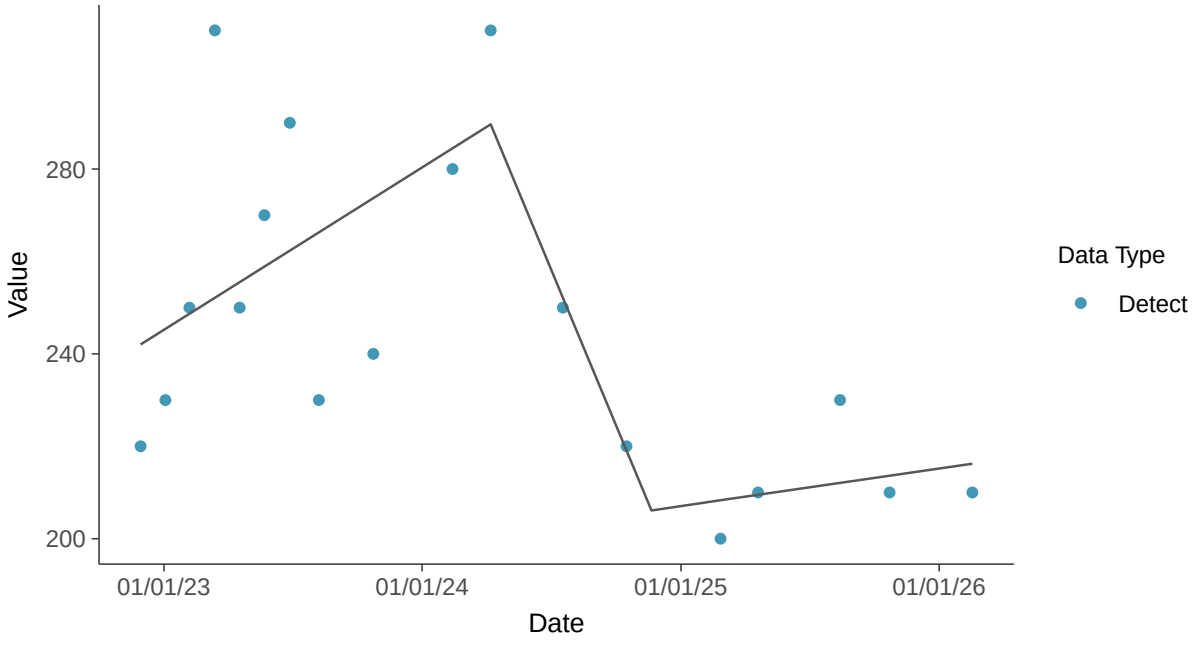
Trend Regression: Piecewise Linear-Linear

Calcium, MW-06 (mg/L)



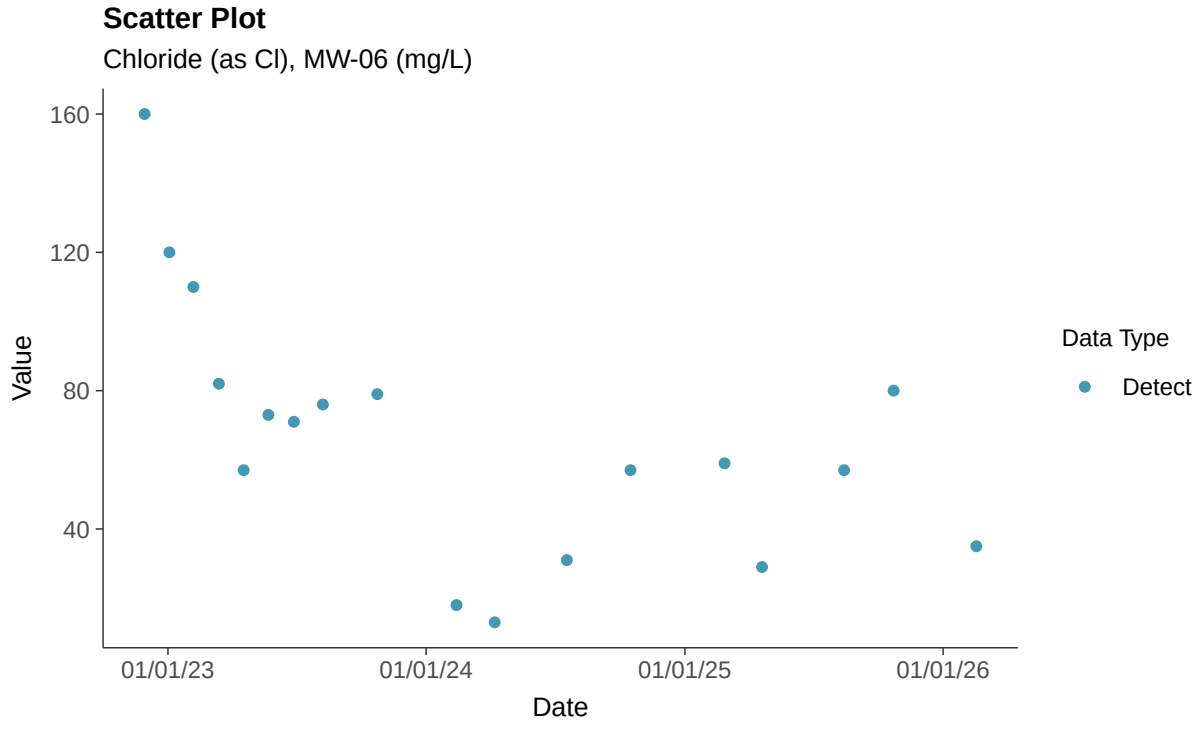
Trend Regression: Piecewise Linear-Linear-Linear

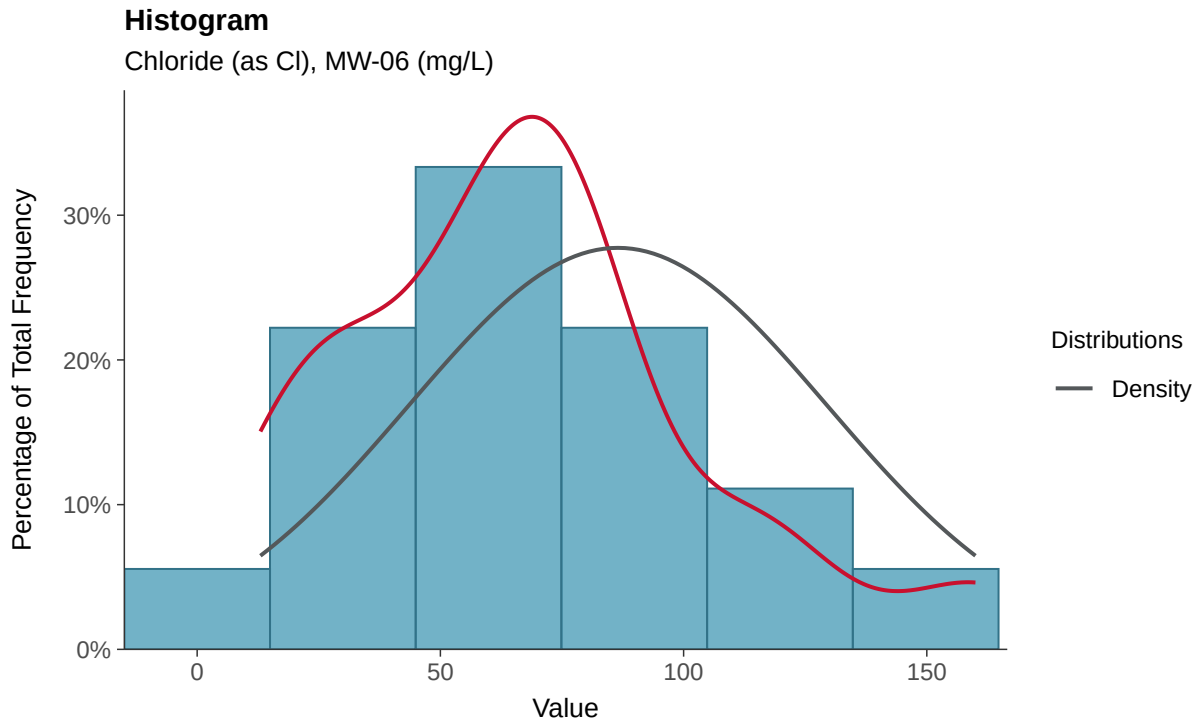
Calcium, MW-06 (mg/L)



Appendix III: Chloride (as Cl), MW-06

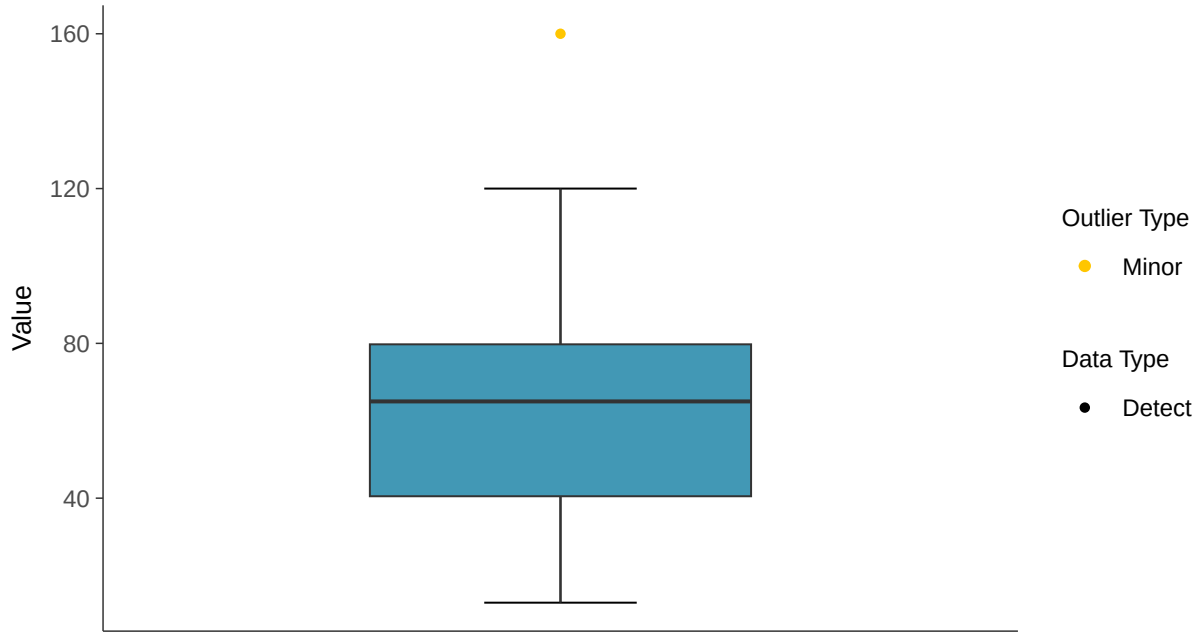
ID: 16_1_3_108





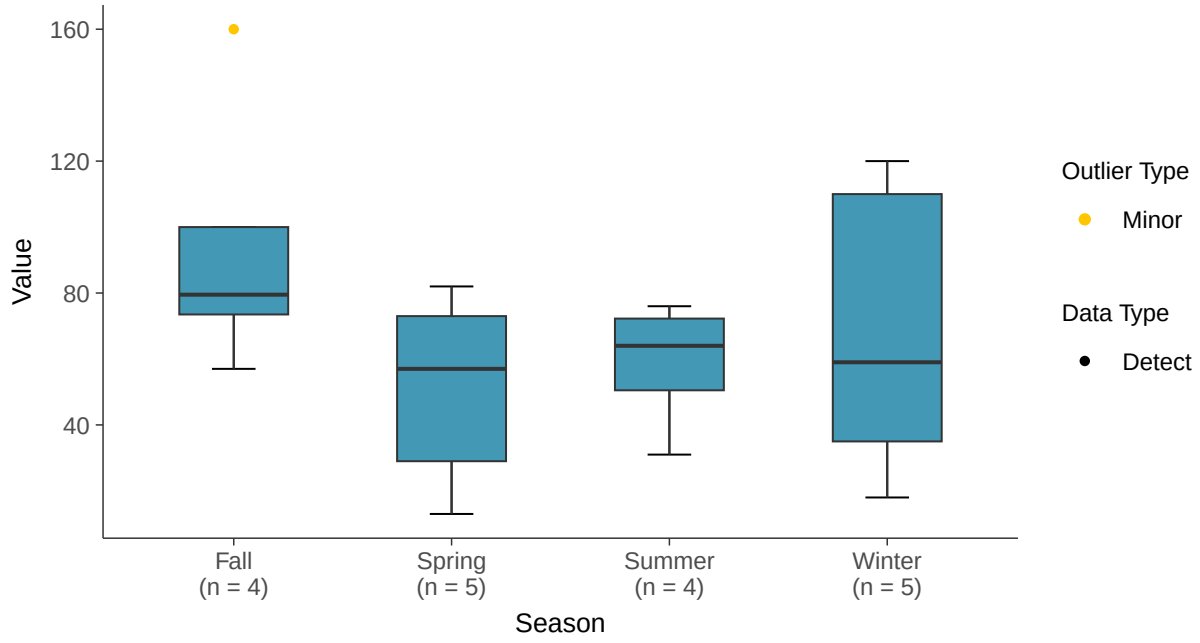
Boxplot

Chloride (as Cl), MW-06 (mg/L)



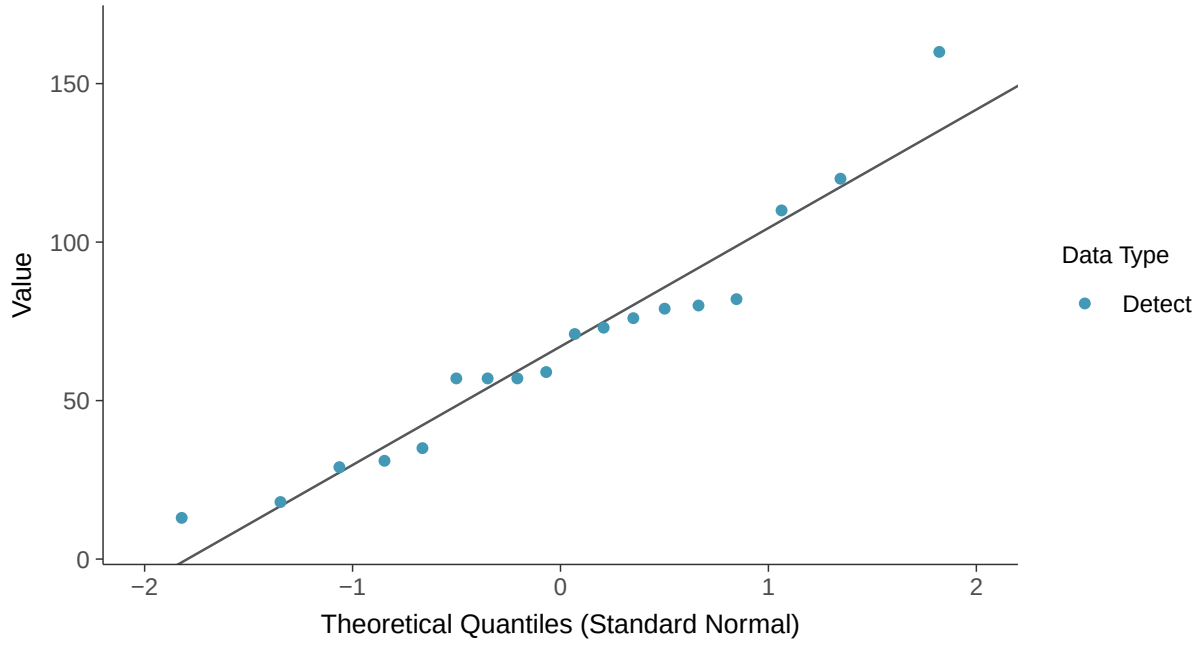
Boxplot by Season

Chloride (as Cl), MW-06 (mg/L)



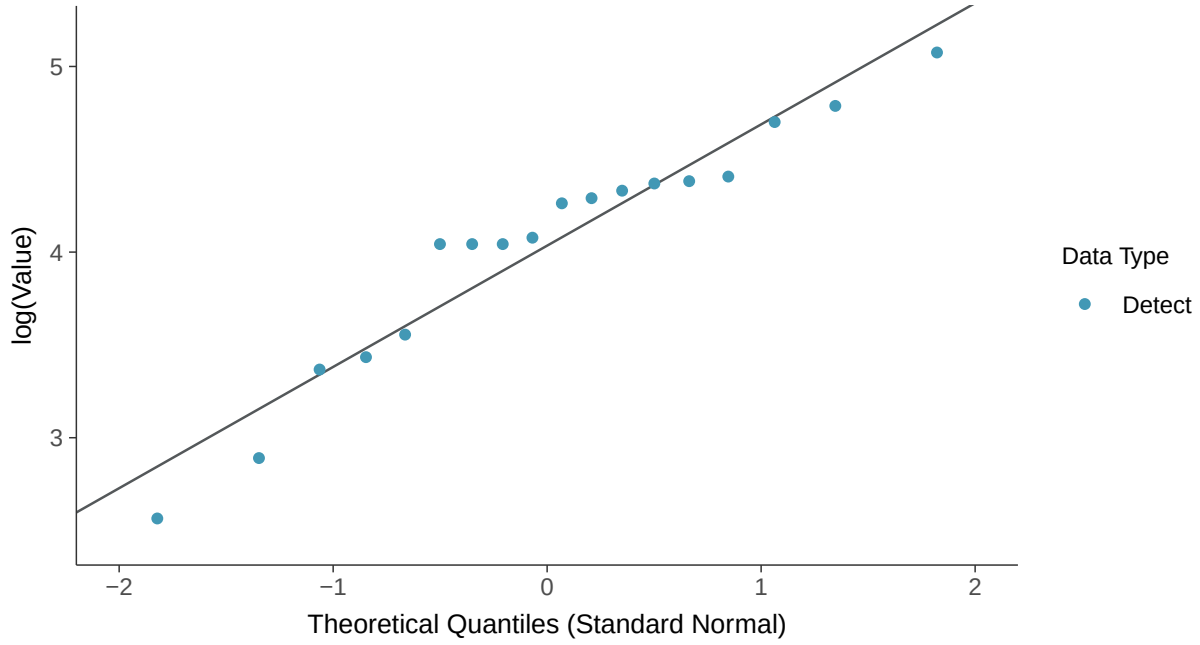
Normal Q-Q plot

Chloride (as Cl), MW-06 (mg/L)



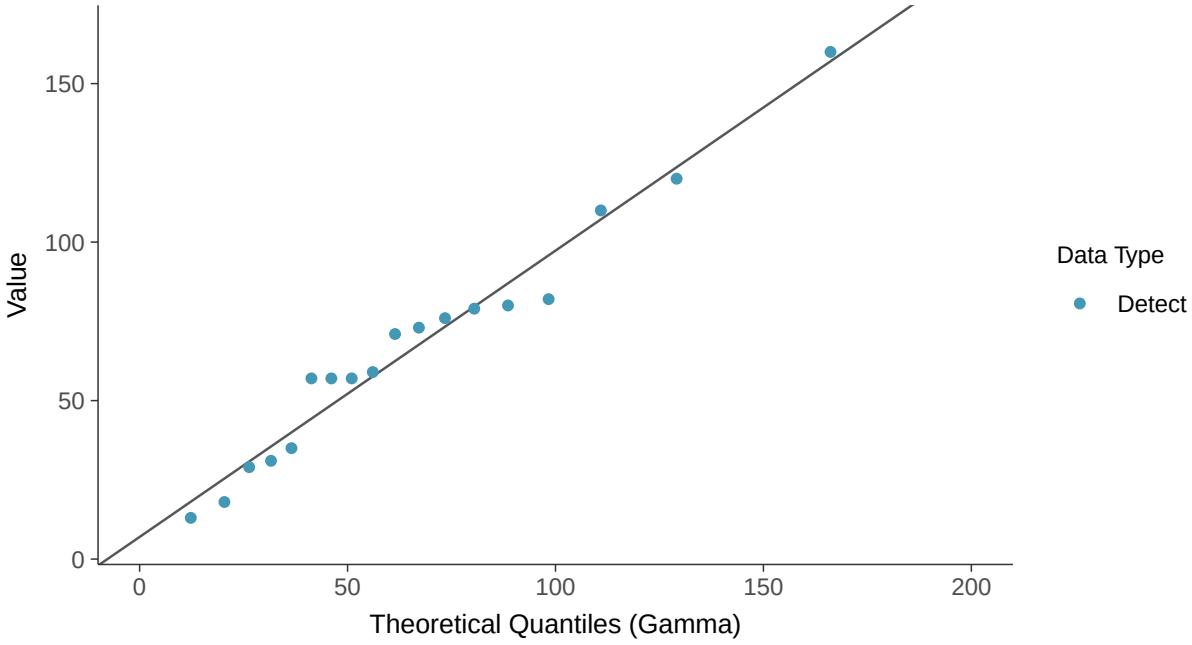
Lognormal Q-Q plot

Chloride (as Cl), MW-06 (mg/L)



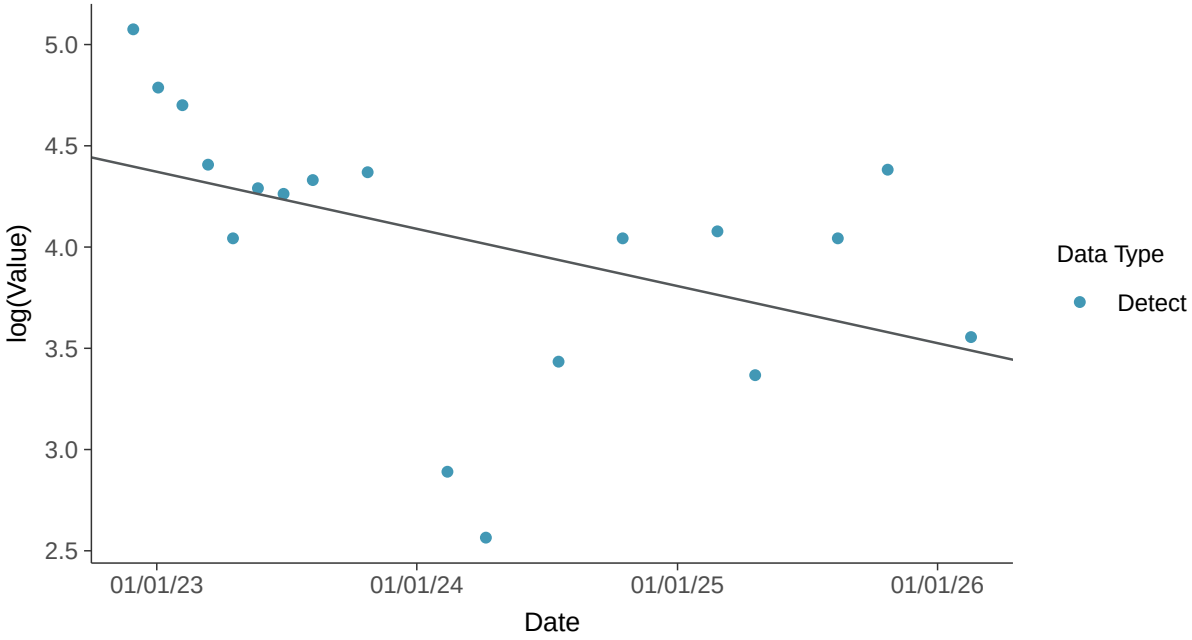
Gamma Q-Q plot

Chloride (as Cl), MW-06 (mg/L)



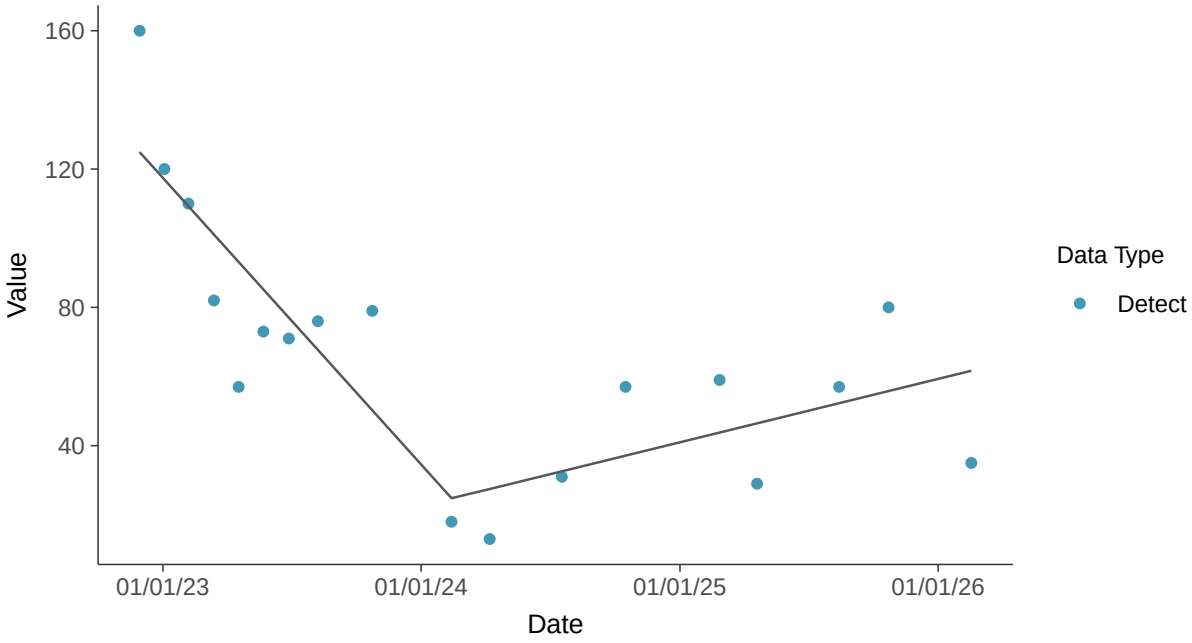
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-06 (mg/L)



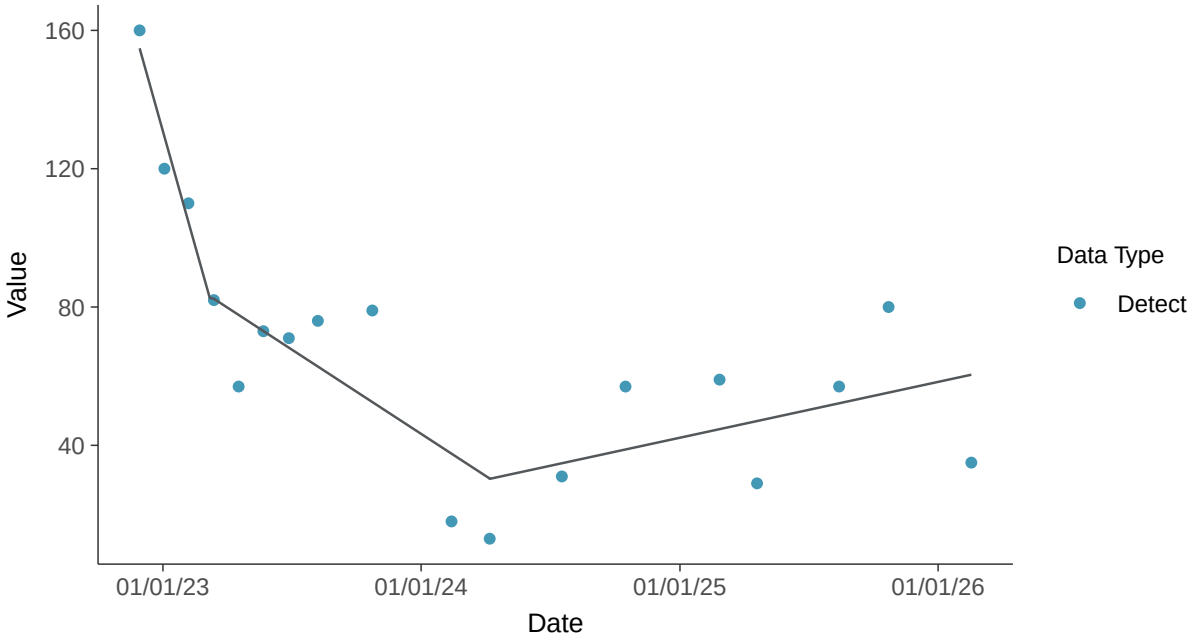
Trend Regression: Piecewise Linear-Linear

Chloride (as Cl), MW-06 (mg/L)



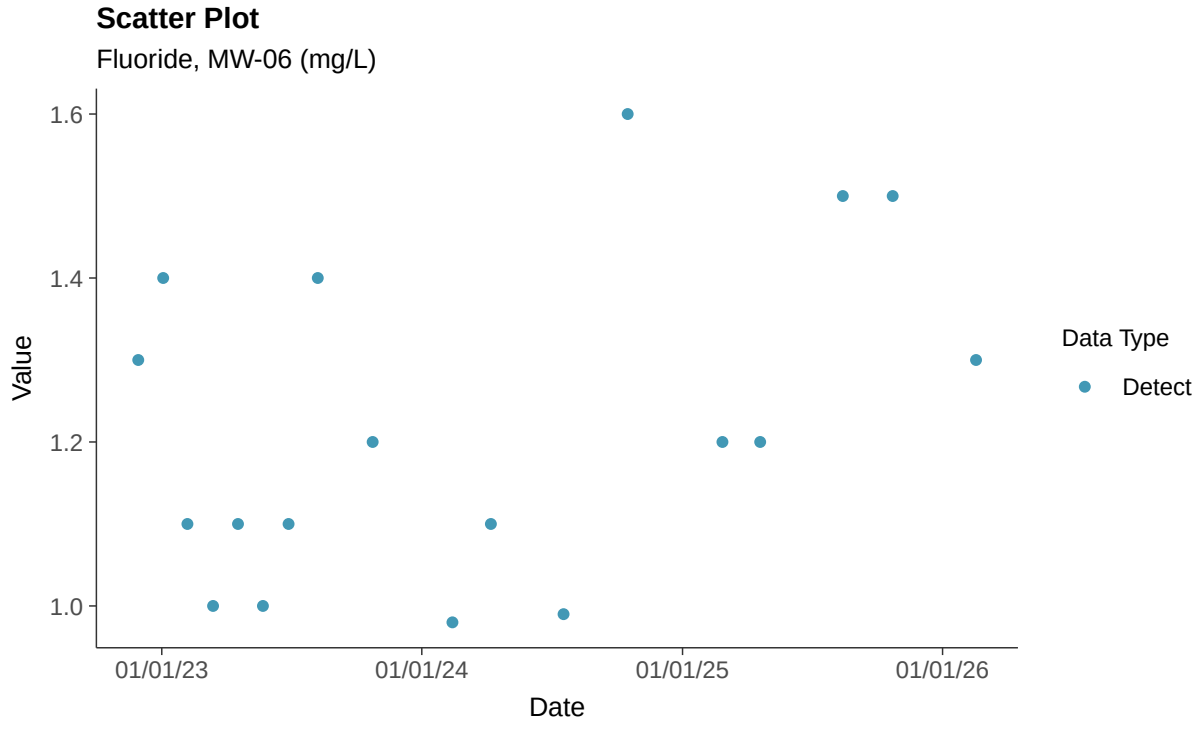
Trend Regression: Piecewise Linear-Linear-Linear

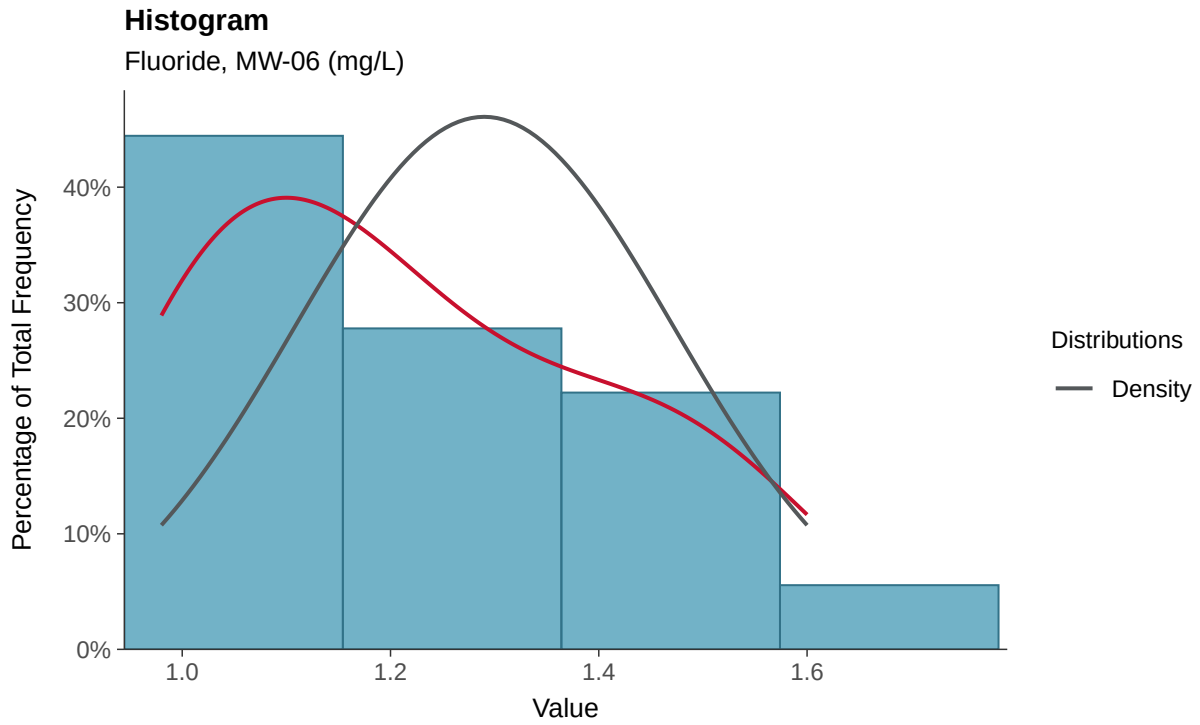
Chloride (as Cl), MW-06 (mg/L)



Appendix III: Fluoride, MW-06

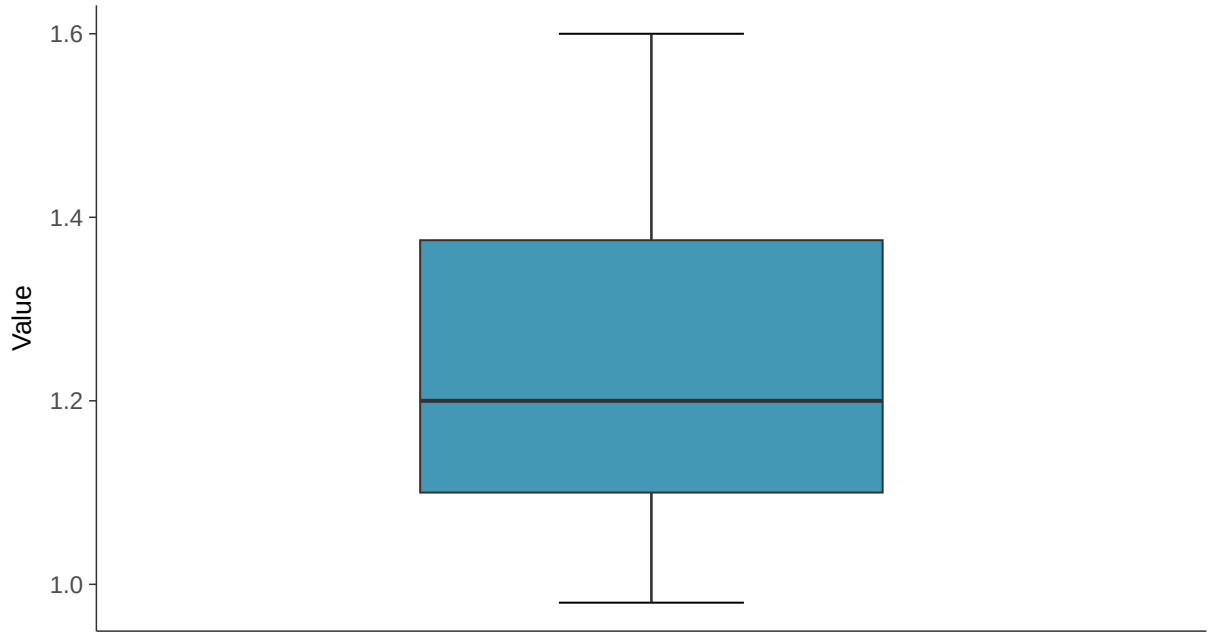
ID: 16_1_3_112





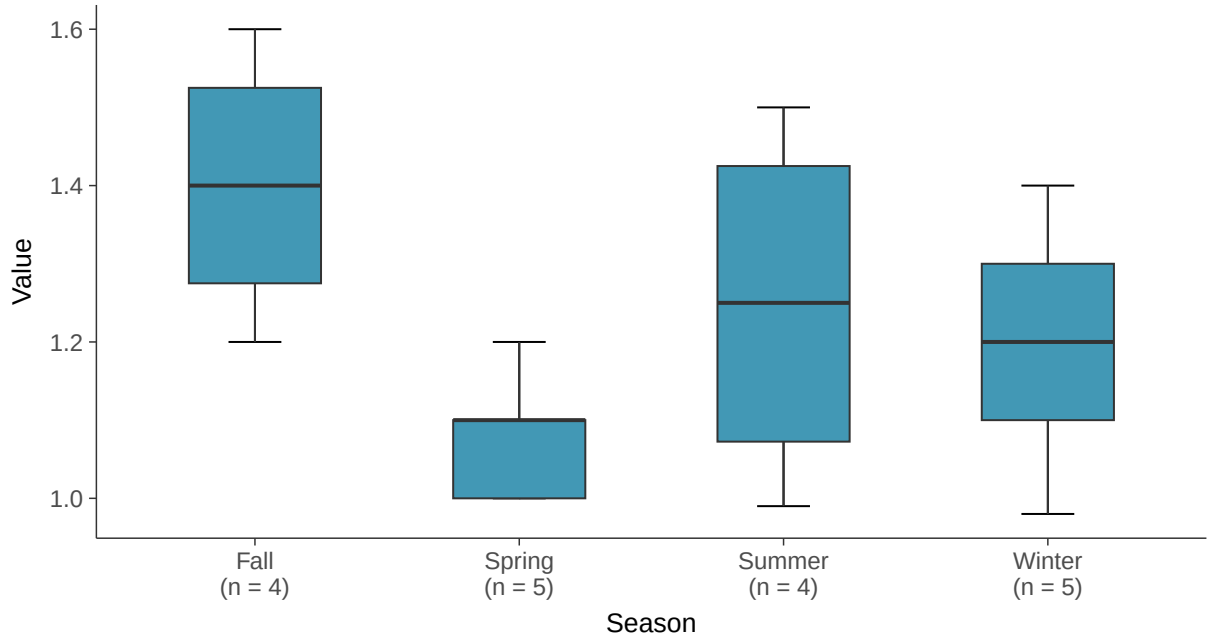
Boxplot

Fluoride, MW-06 (mg/L)



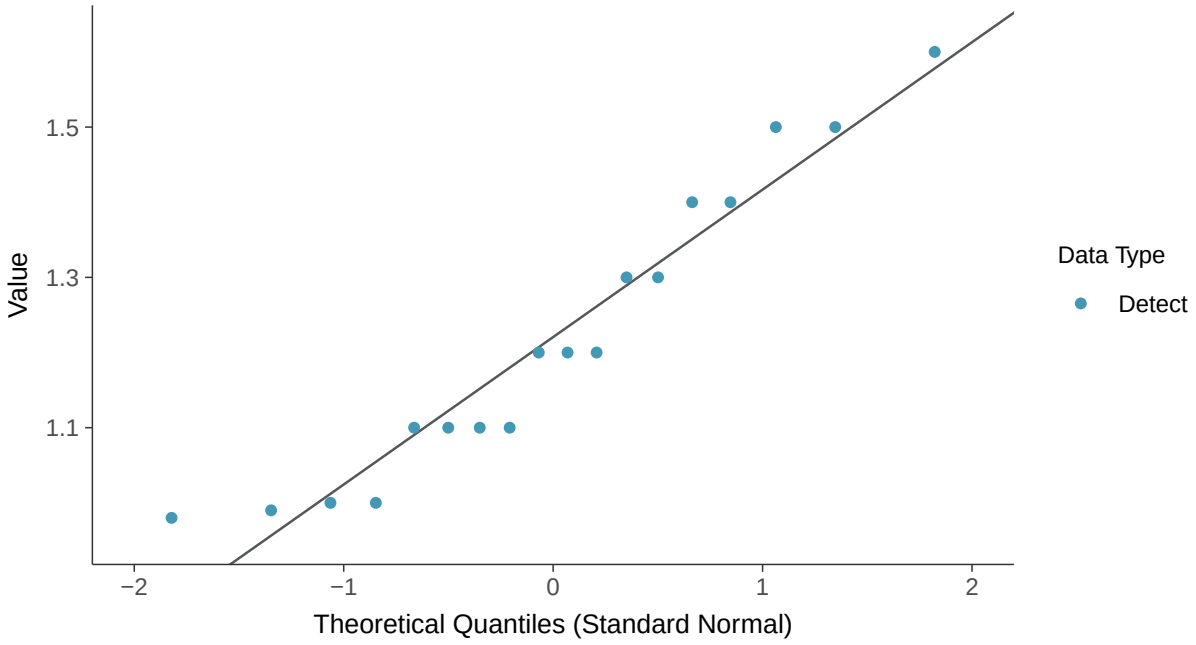
Boxplot by Season

Fluoride, MW-06 (mg/L)



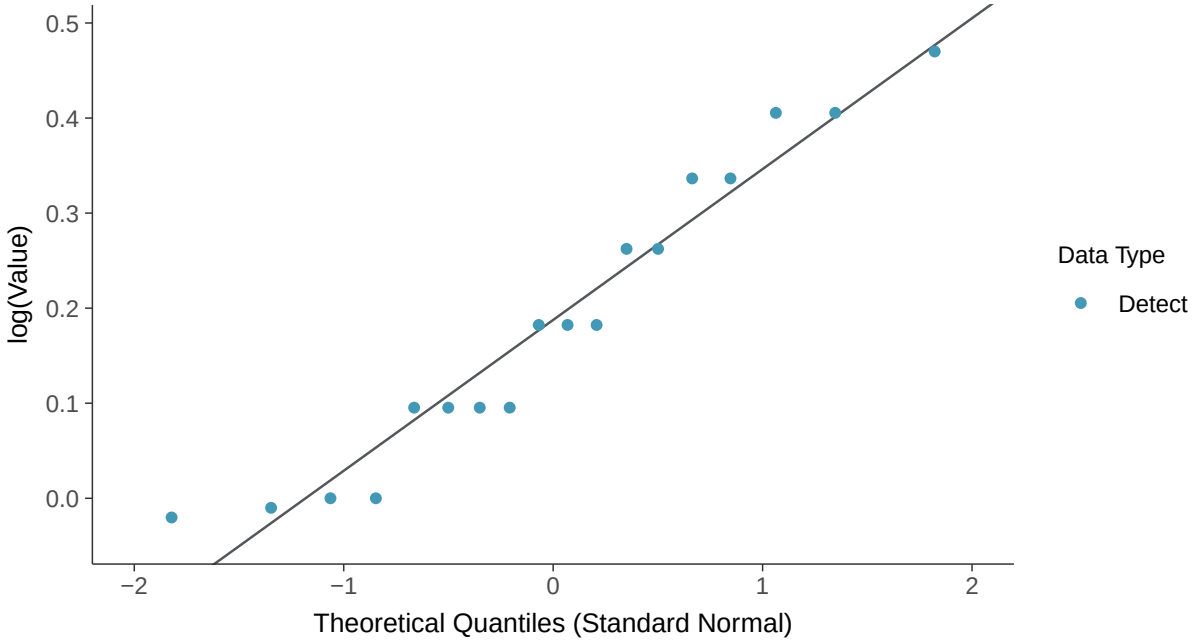
Normal Q-Q plot

Fluoride, MW-06 (mg/L)



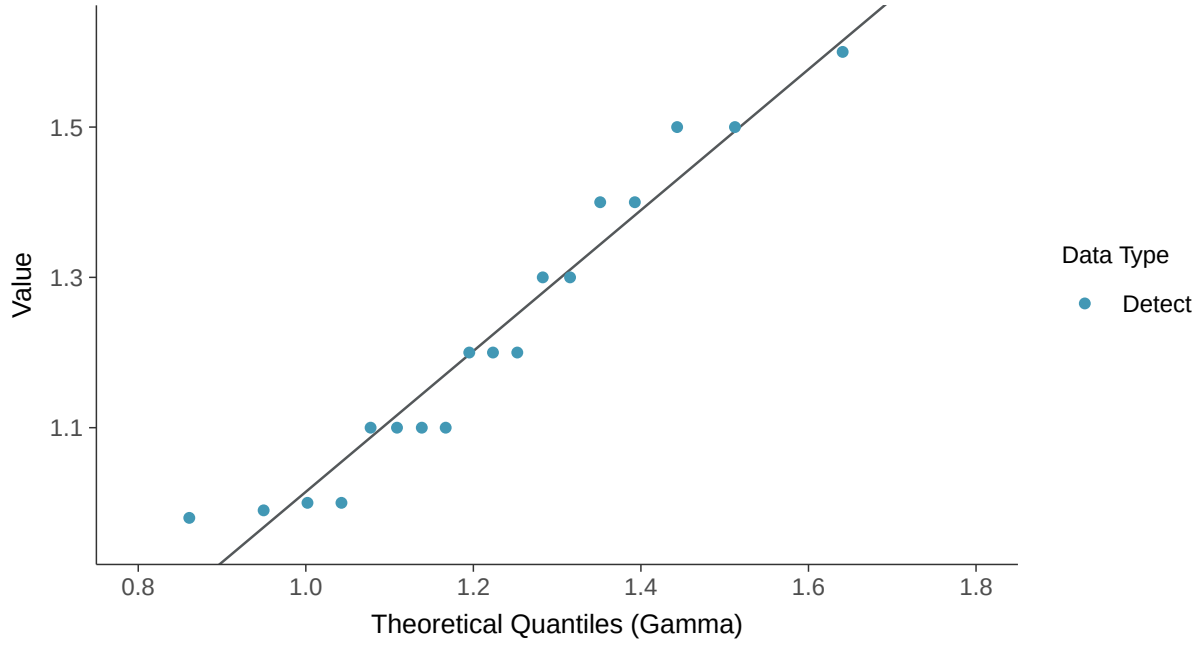
Lognormal Q-Q plot

Fluoride, MW-06 (mg/L)



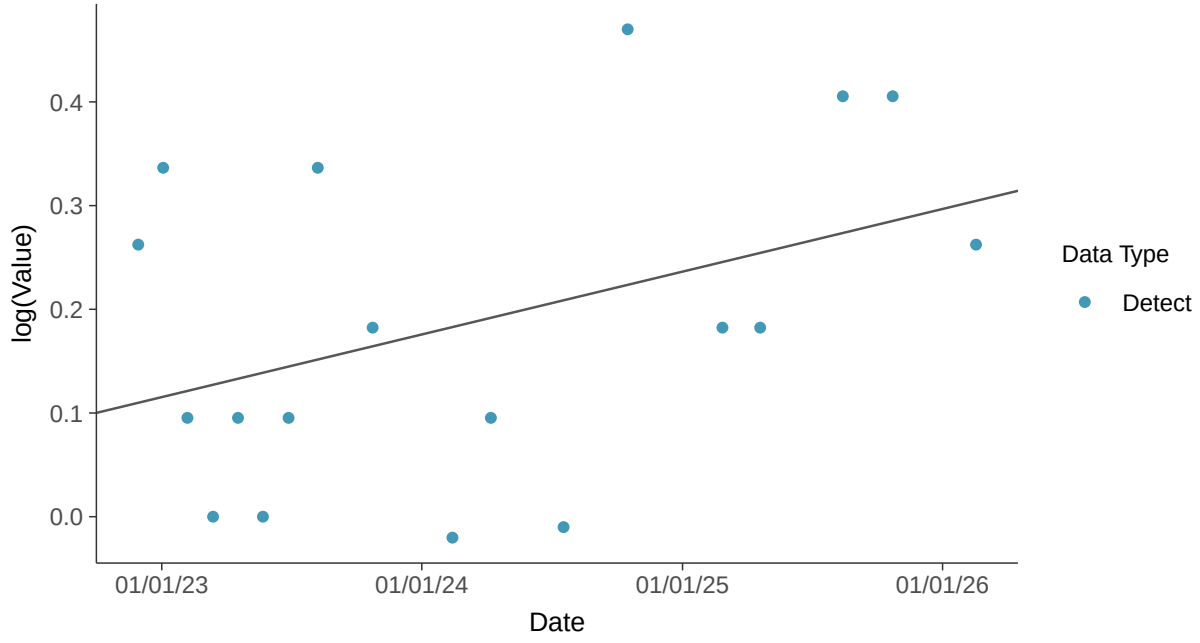
Gamma Q-Q plot

Fluoride, MW-06 (mg/L)



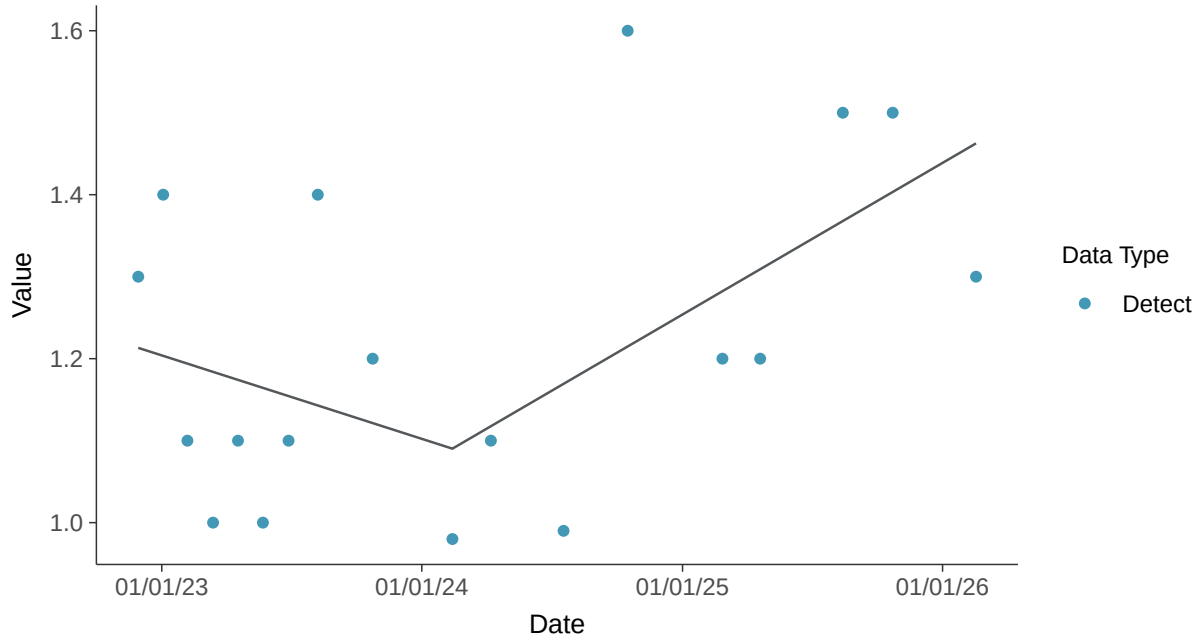
Trend Regression: Lognormal MLE

Fluoride, MW-06 (mg/L)



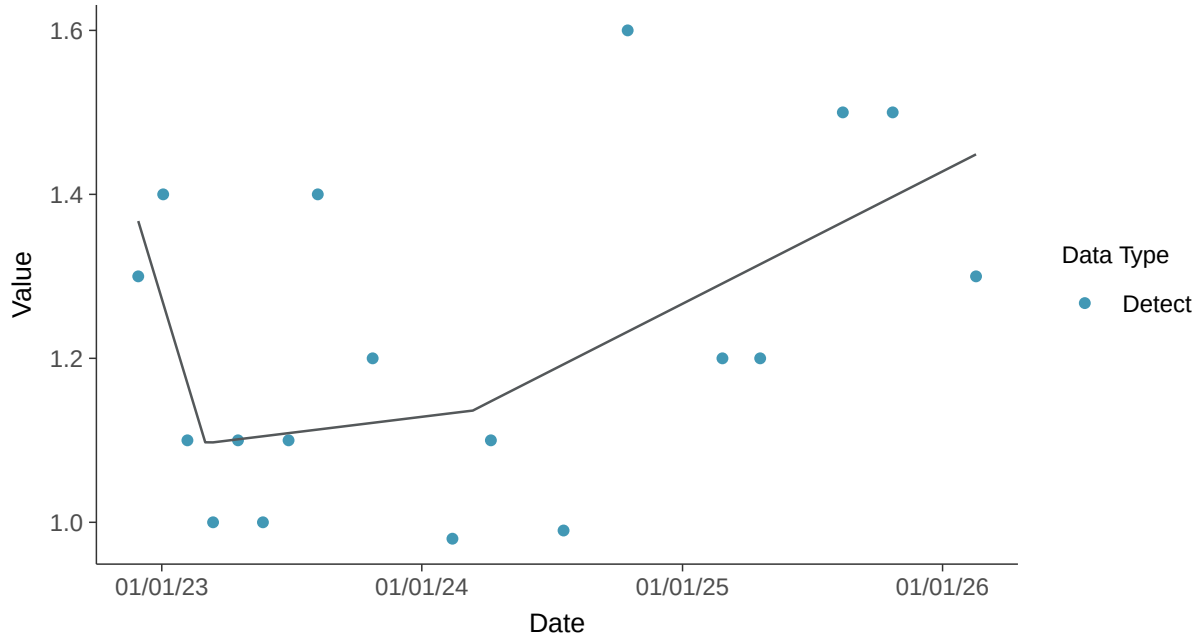
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-06 (mg/L)



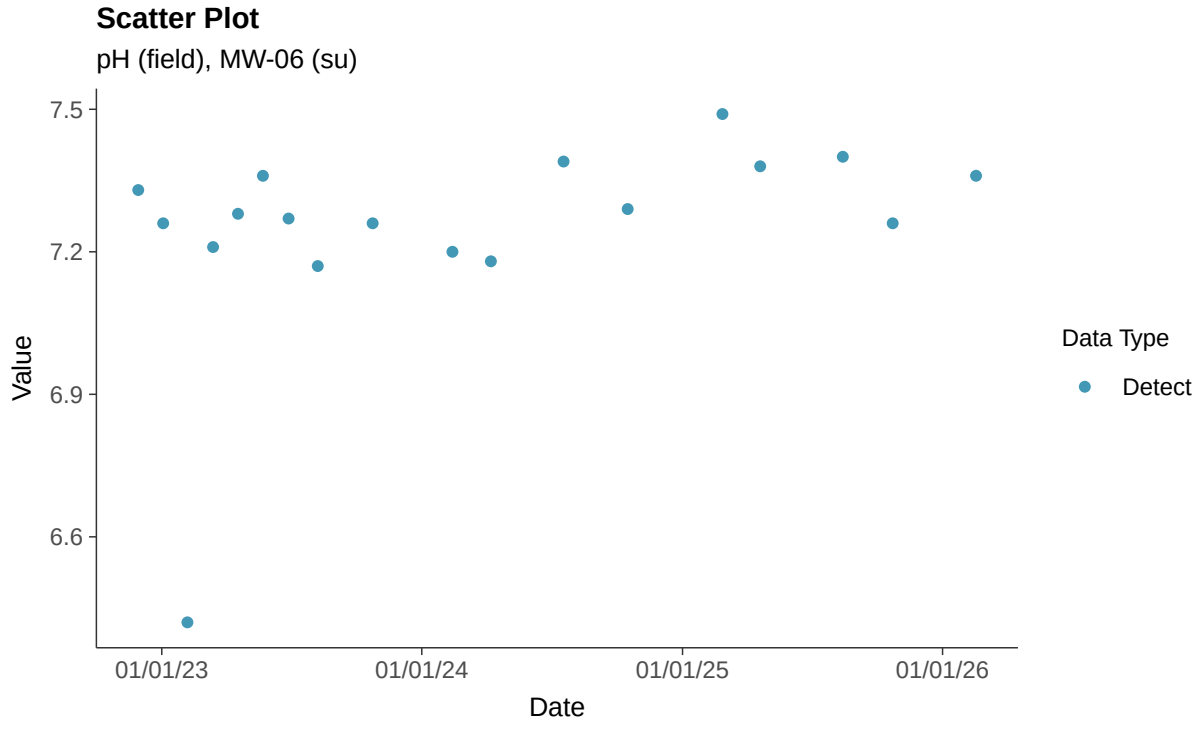
Trend Regression: Piecewise Linear-Linear-Linear

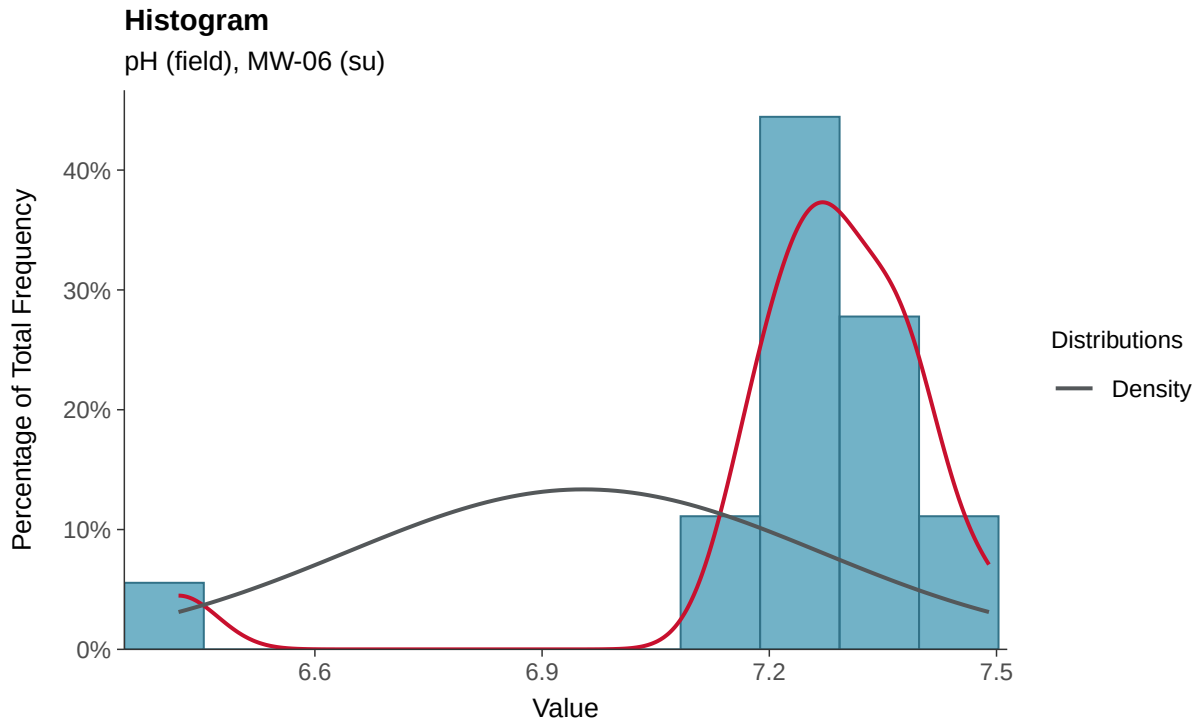
Fluoride, MW-06 (mg/L)



Appendix III: pH (field), MW-06

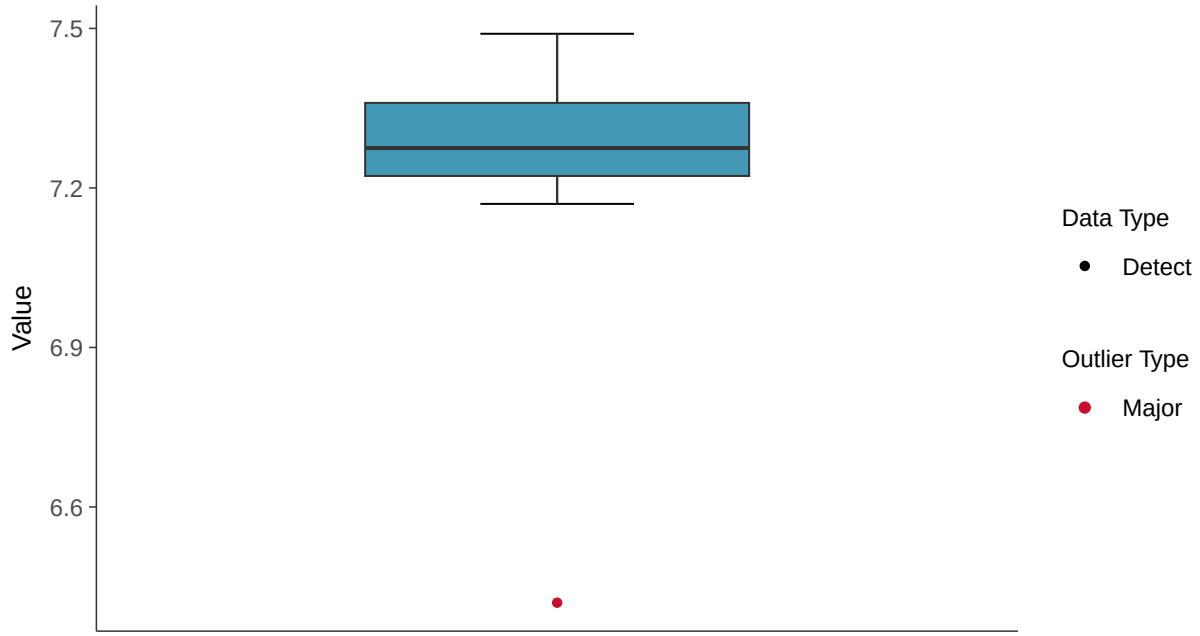
ID: 16_1_3_120





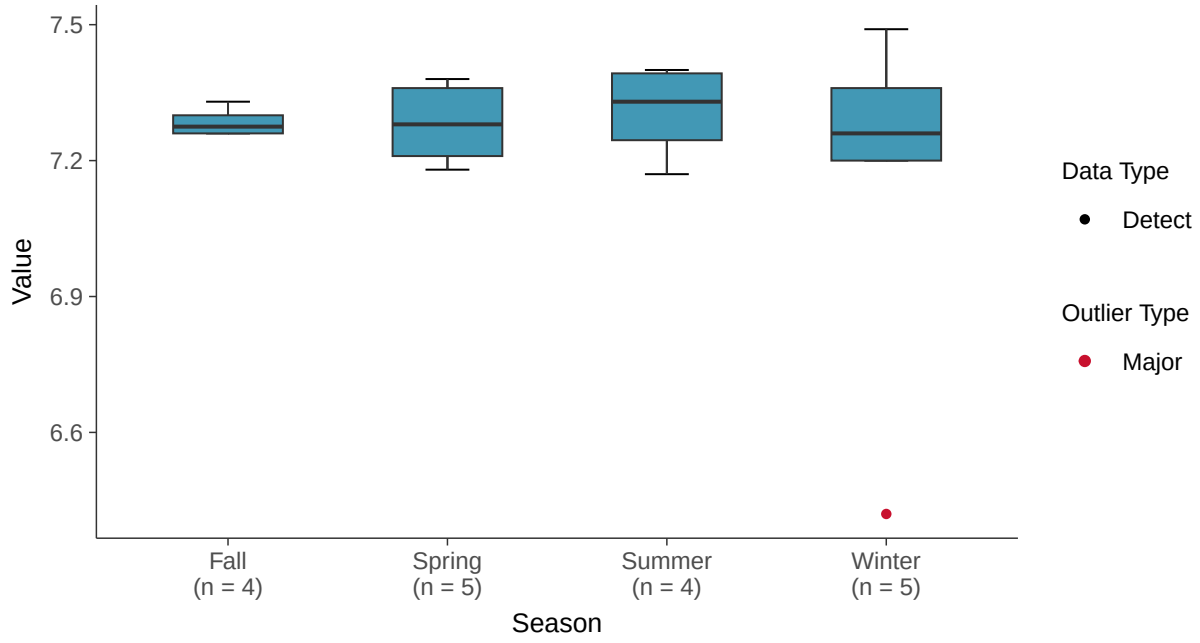
Boxplot

pH (field), MW-06 (su)



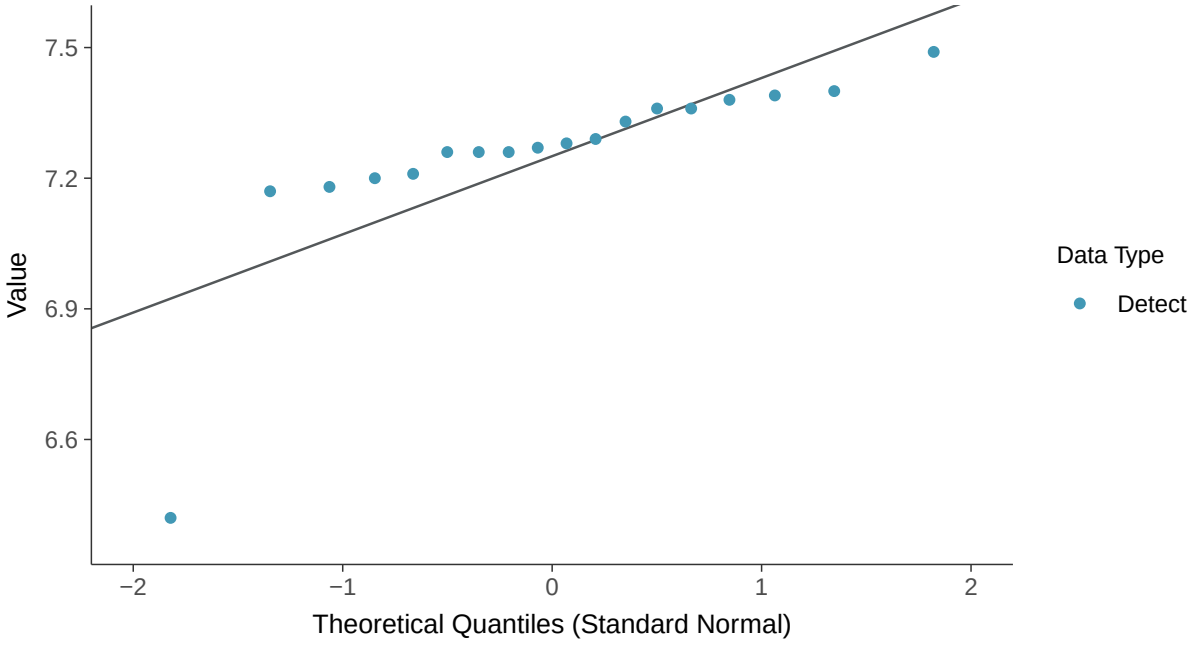
Boxplot by Season

pH (field), MW-06 (su)



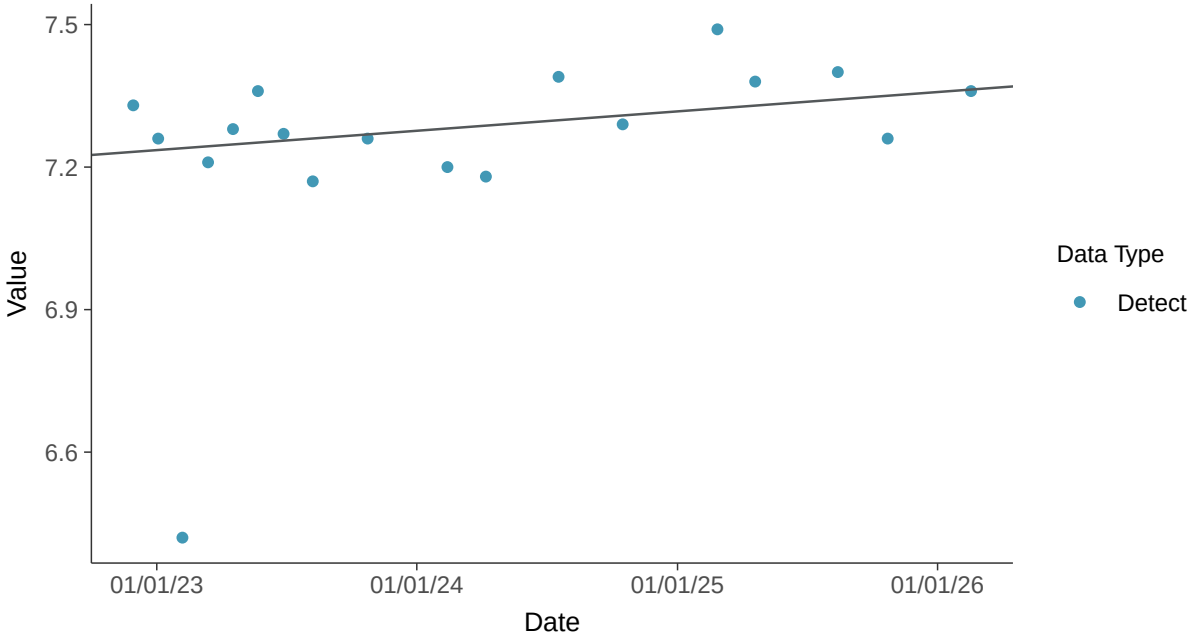
Normal Q-Q plot

pH (field), MW-06 (su)



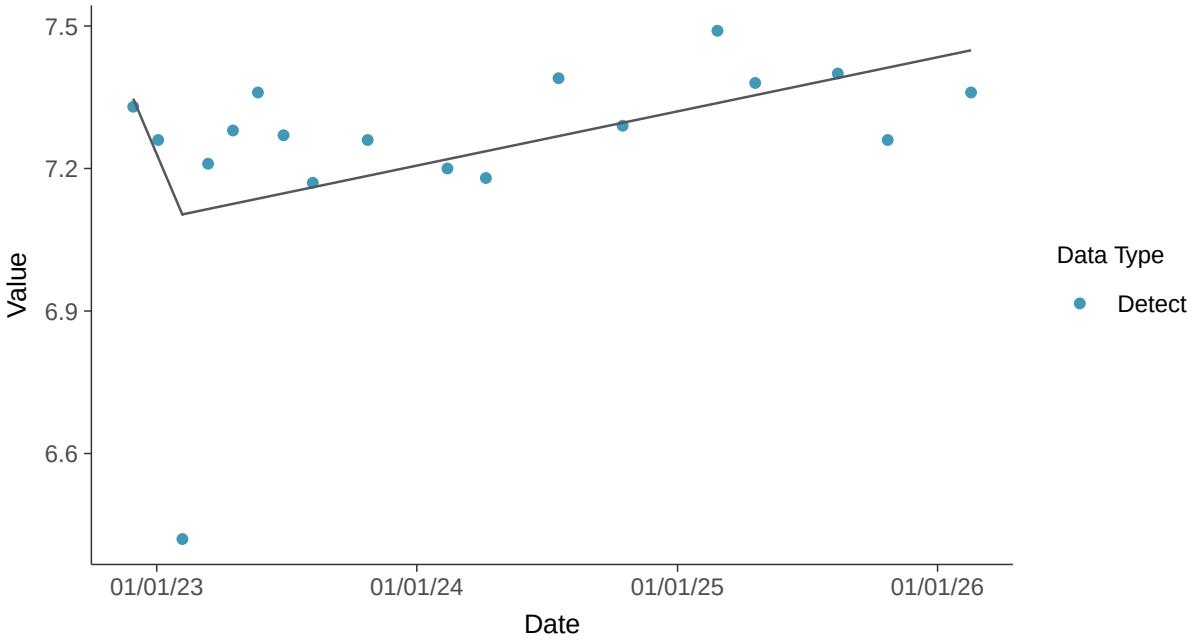
Trend Regression: Mann-Kendall/Theil-Sen Estimate

pH (field), MW-06 (su)



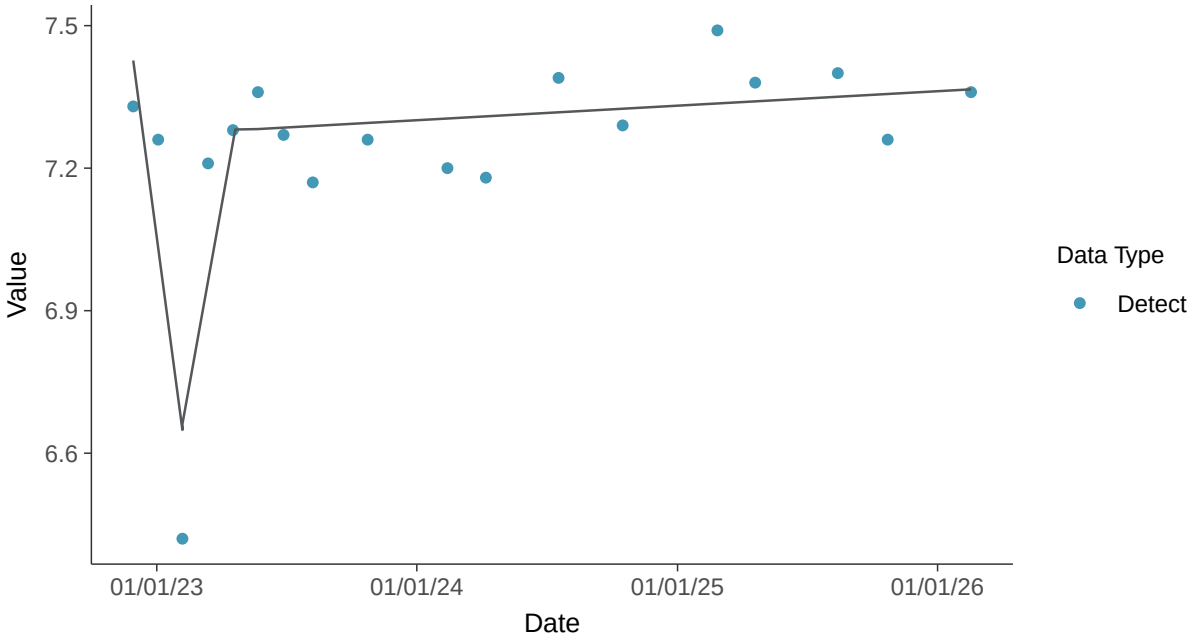
Trend Regression: Piecewise Linear-Linear

pH (field), MW-06 (su)



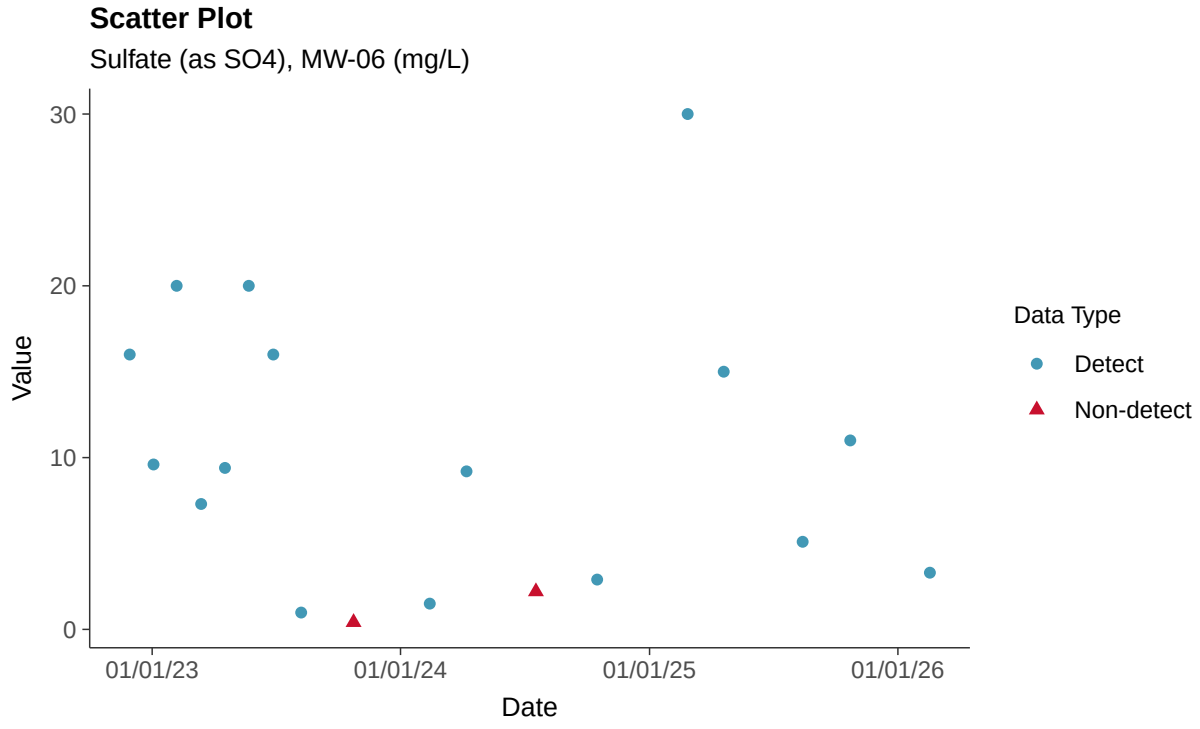
Trend Regression: Piecewise Linear-Linear-Linear

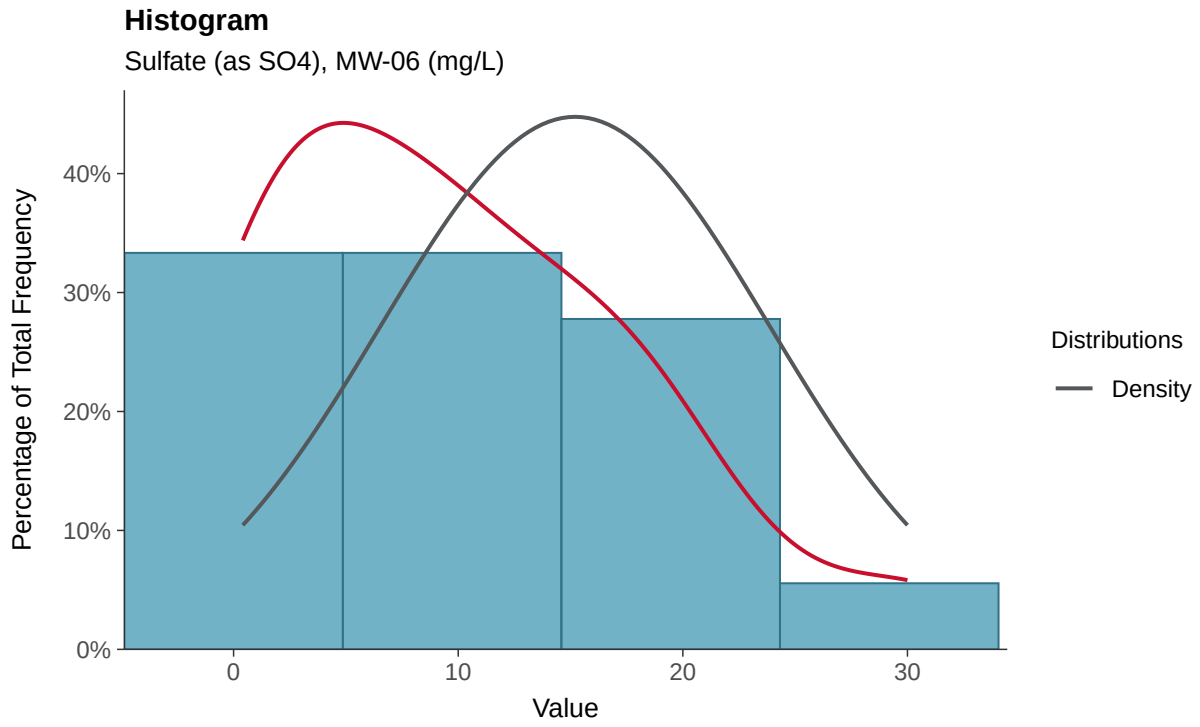
pH (field), MW-06 (su)



Appendix III: Sulfate (as SO4), MW-06

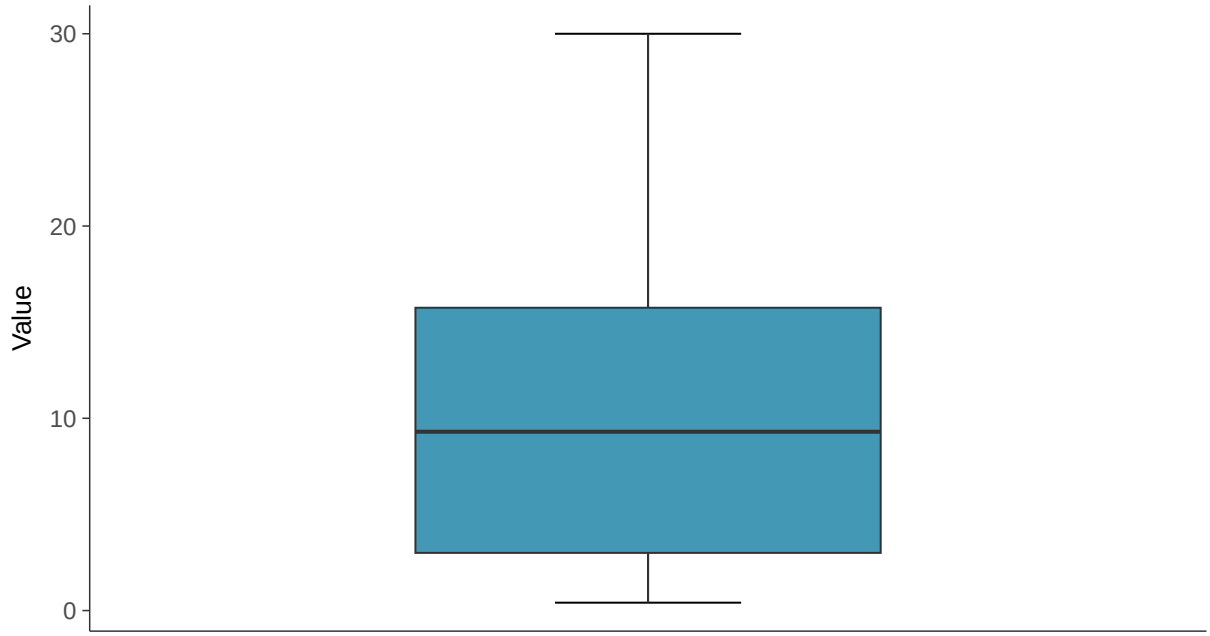
ID: 16_1_3_124





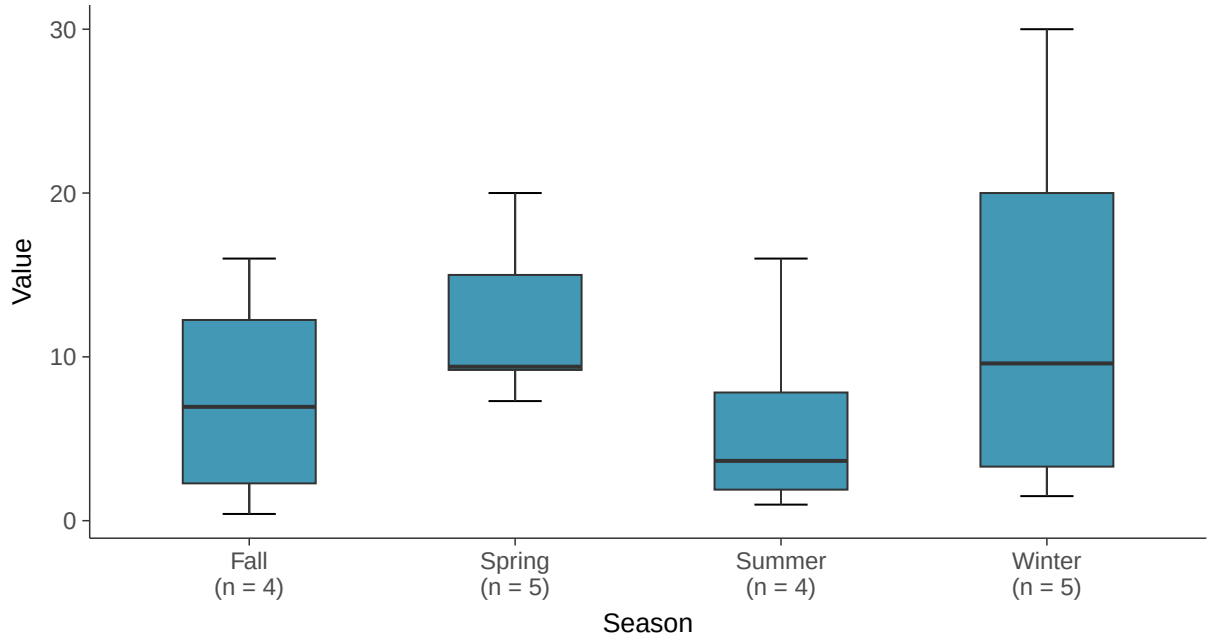
Boxplot

Sulfate (as SO4), MW-06 (mg/L)



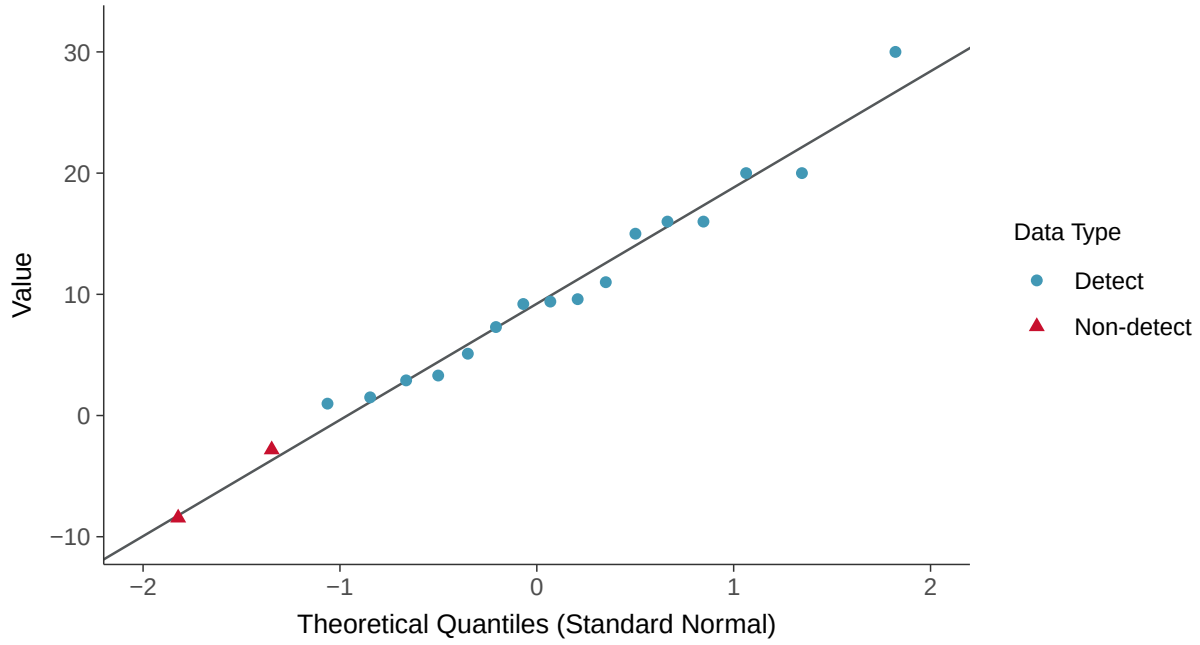
Boxplot by Season

Sulfate (as SO4), MW-06 (mg/L)



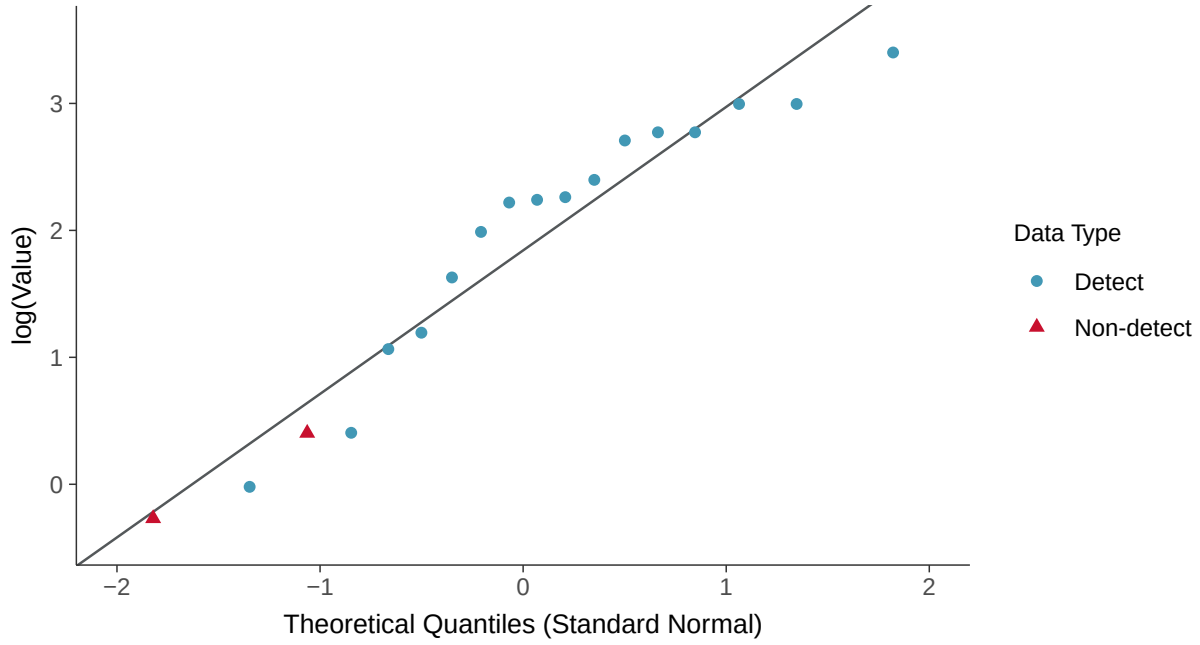
Normal Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-06 (mg/L)



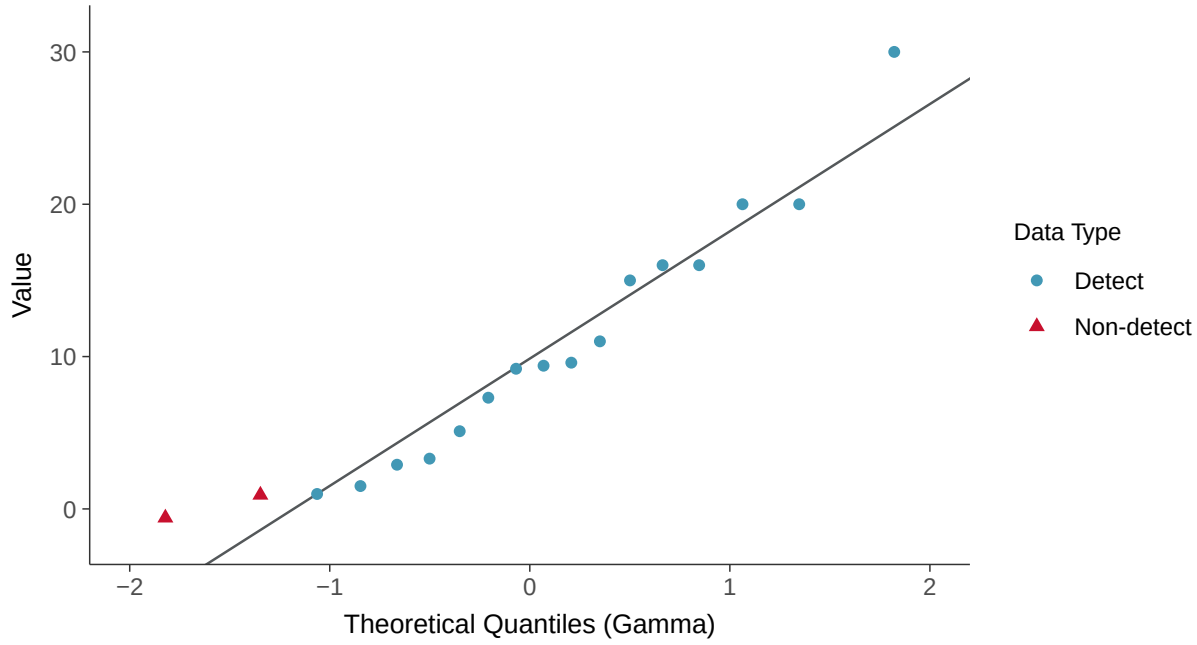
Lognormal Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-06 (mg/L)



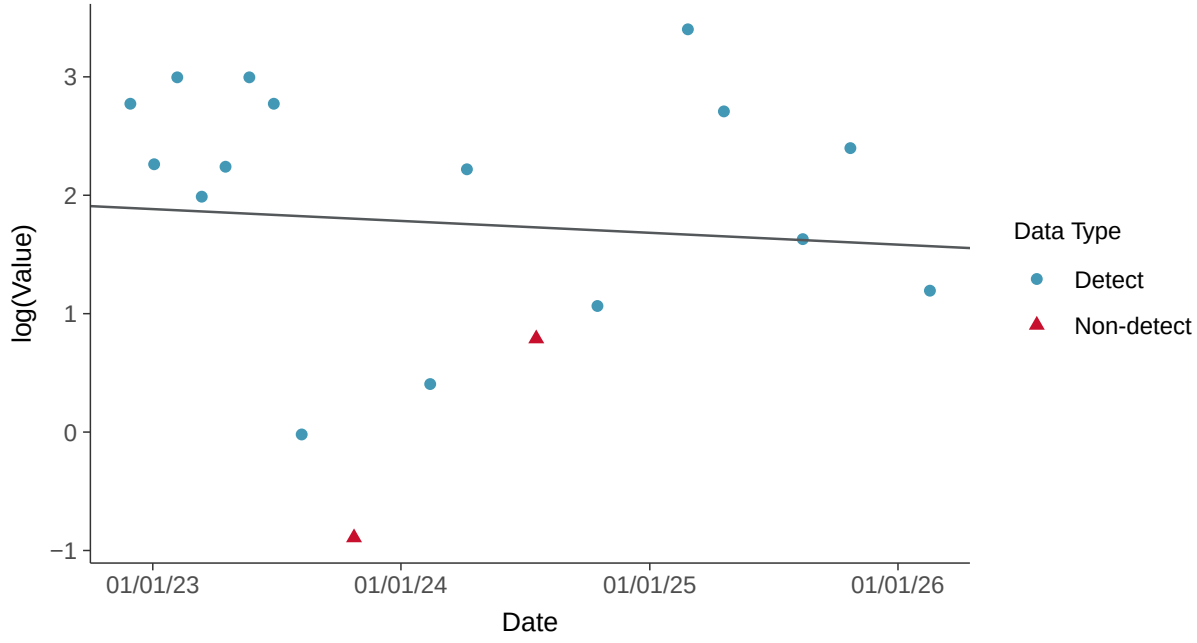
Gamma Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-06 (mg/L)



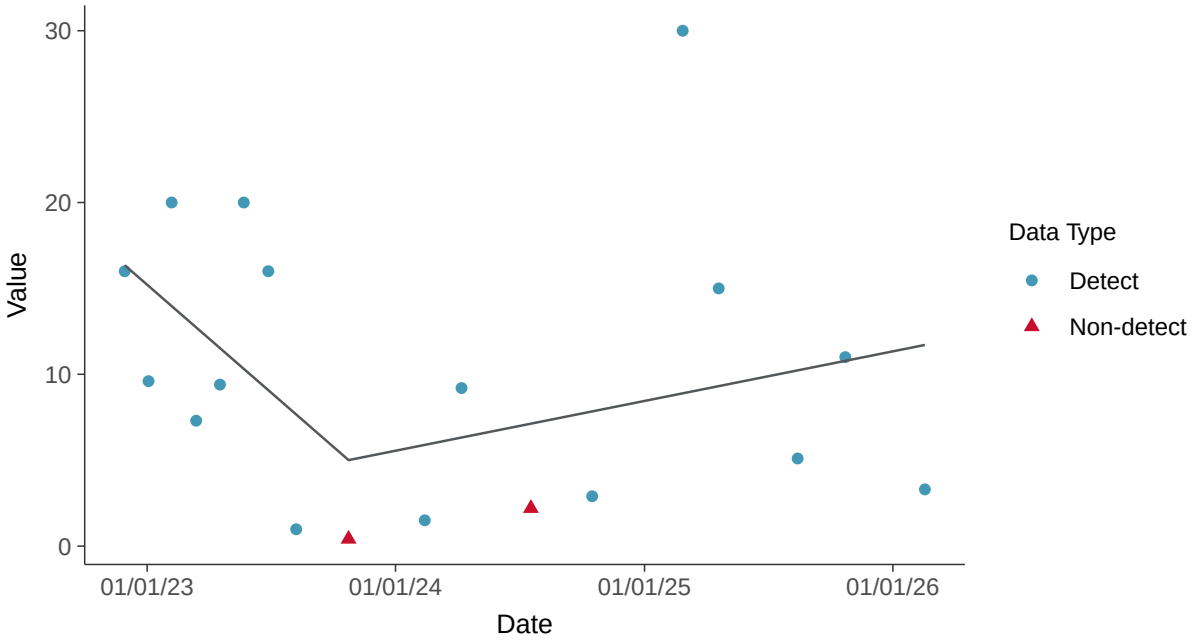
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-06 (mg/L)



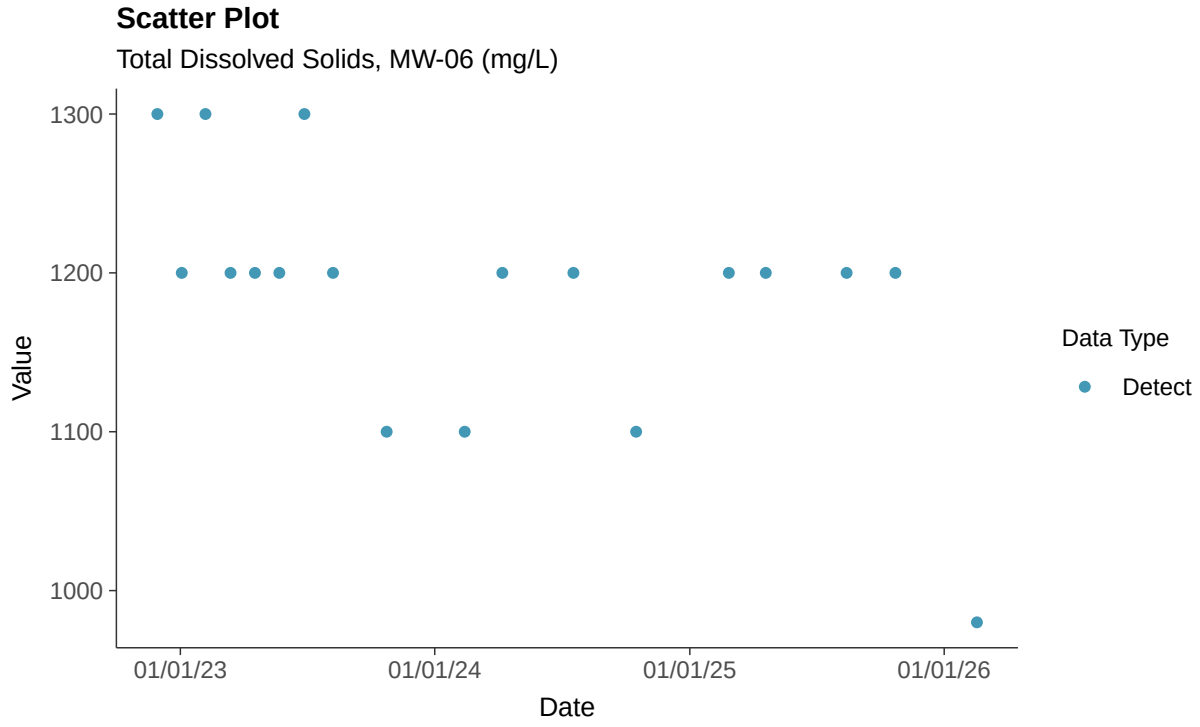
Trend Regression: Piecewise Linear-Linear

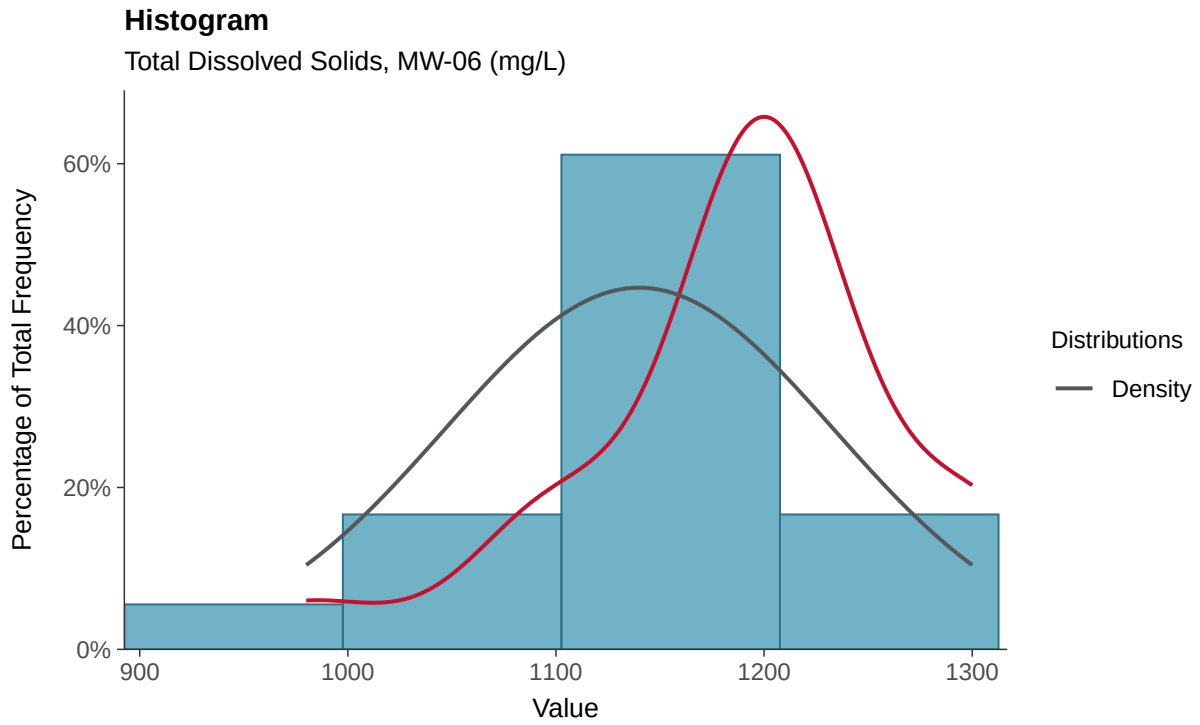
Sulfate (as SO4), MW-06 (mg/L)



Appendix III: Total Dissolved Solids, MW-06

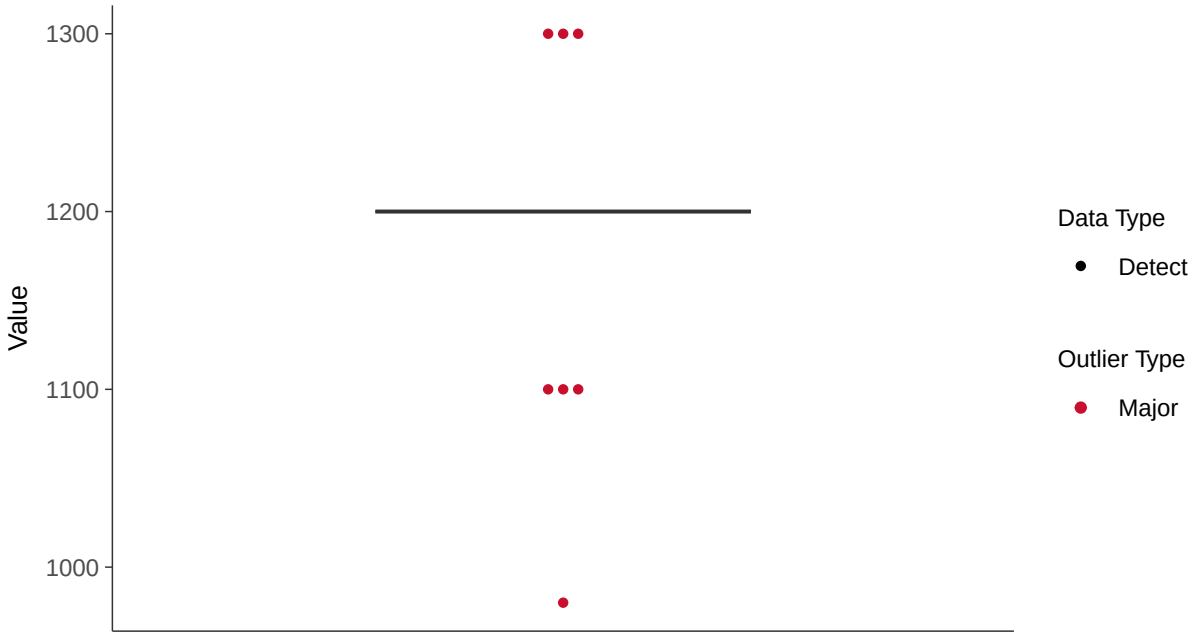
ID: 16_1_3_126





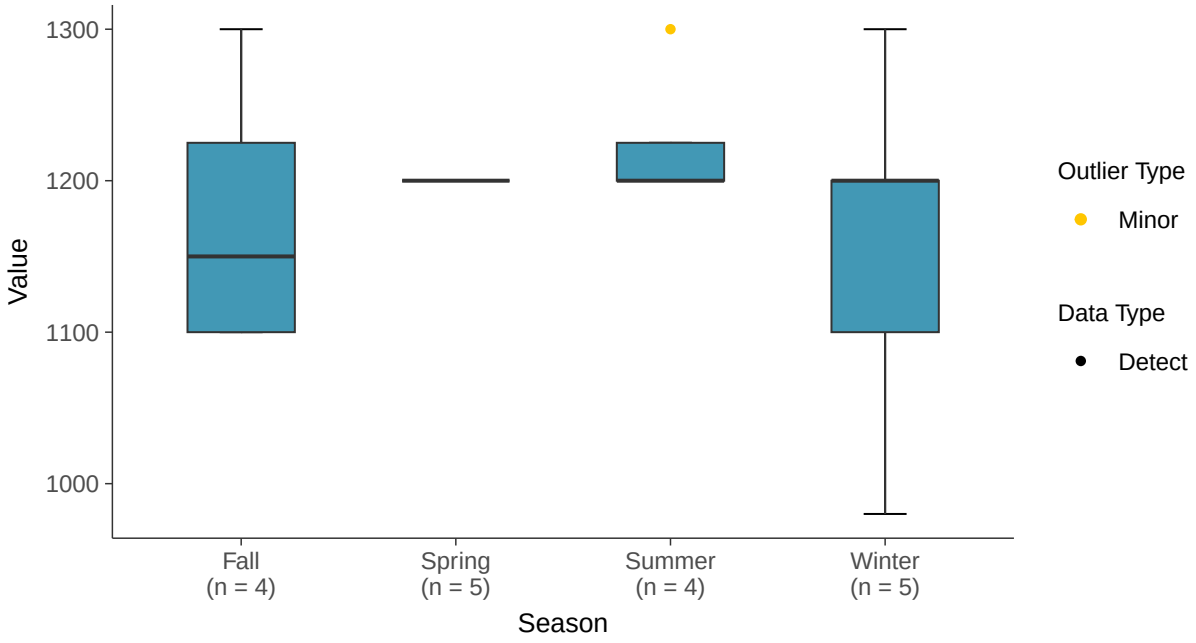
Boxplot

Total Dissolved Solids, MW-06 (mg/L)



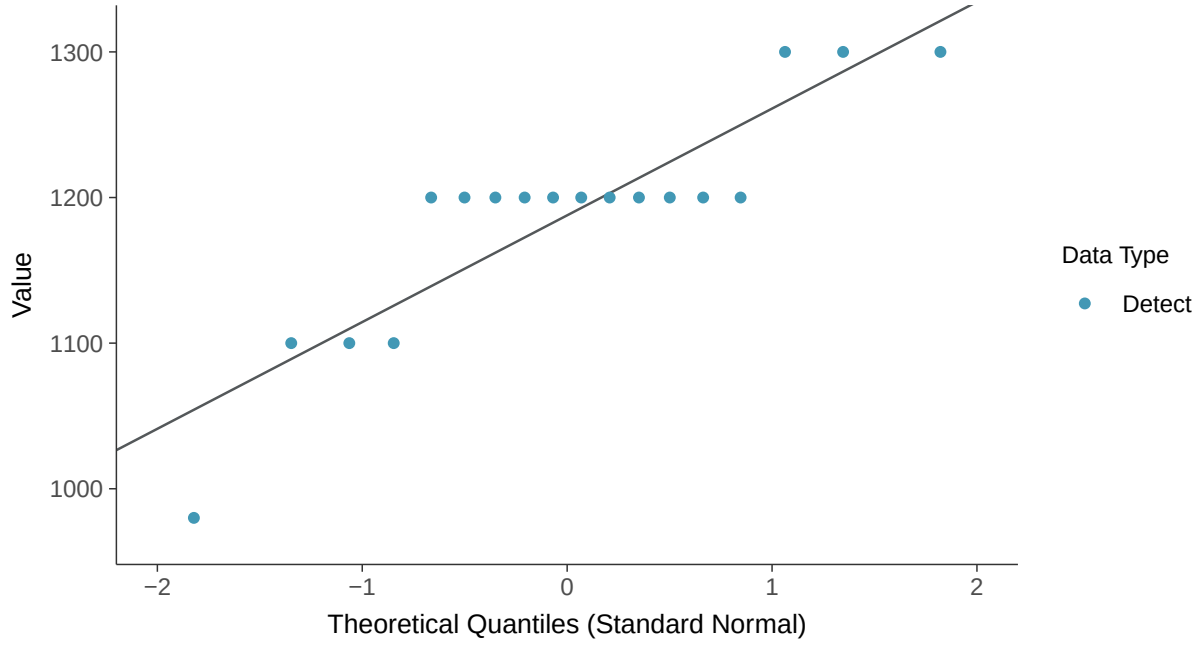
Boxplot by Season

Total Dissolved Solids, MW-06 (mg/L)



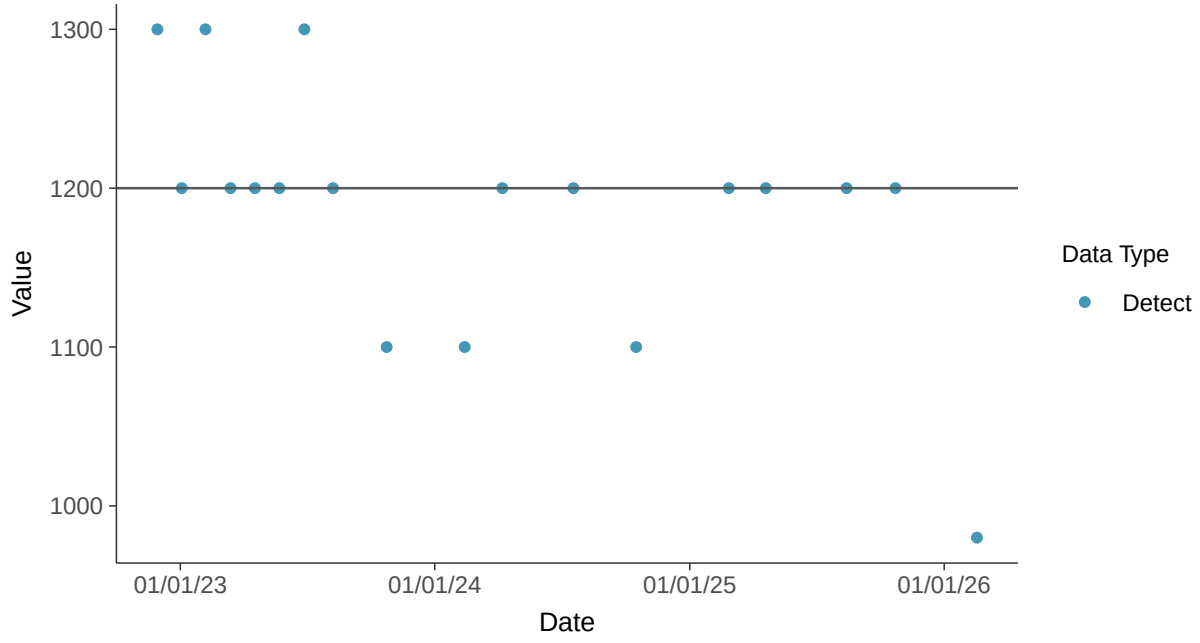
Normal Q-Q plot

Total Dissolved Solids, MW-06 (mg/L)



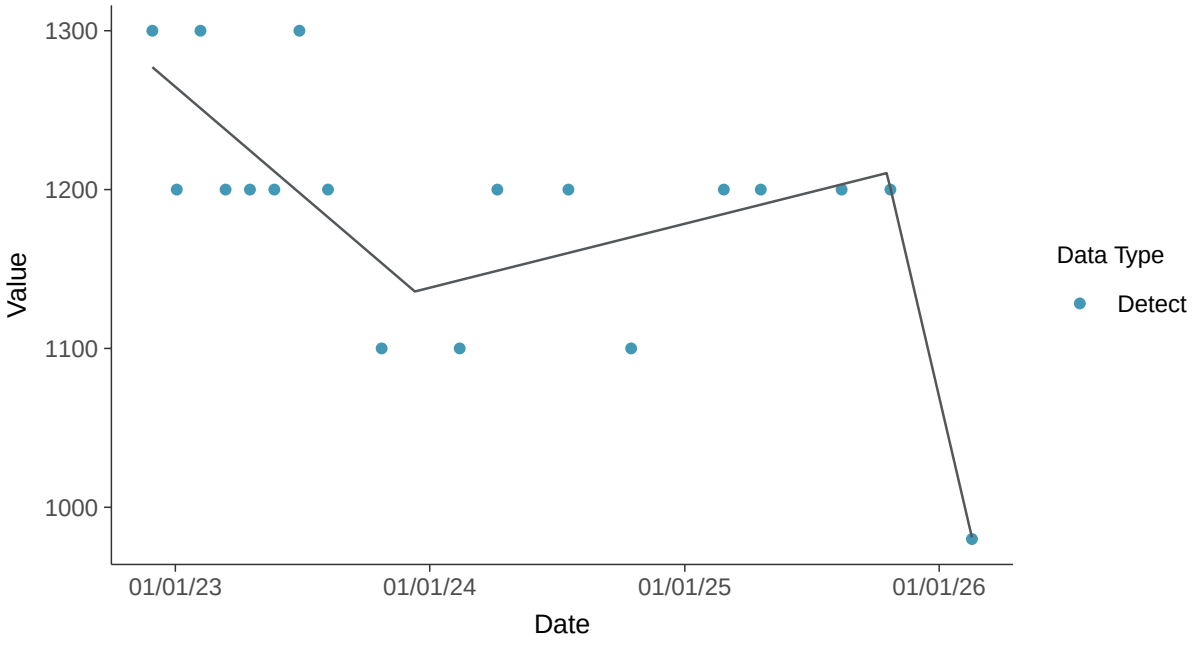
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Total Dissolved Solids, MW-06 (mg/L)



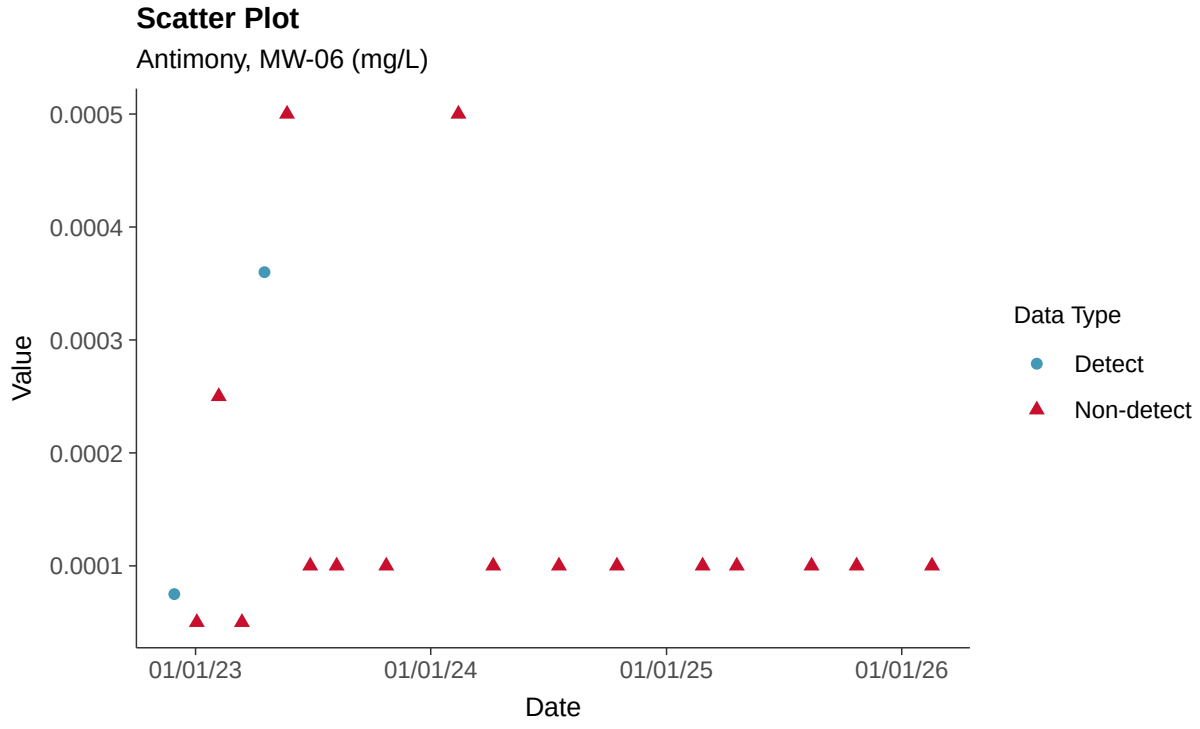
Trend Regression: Piecewise Linear-Linear-Linear

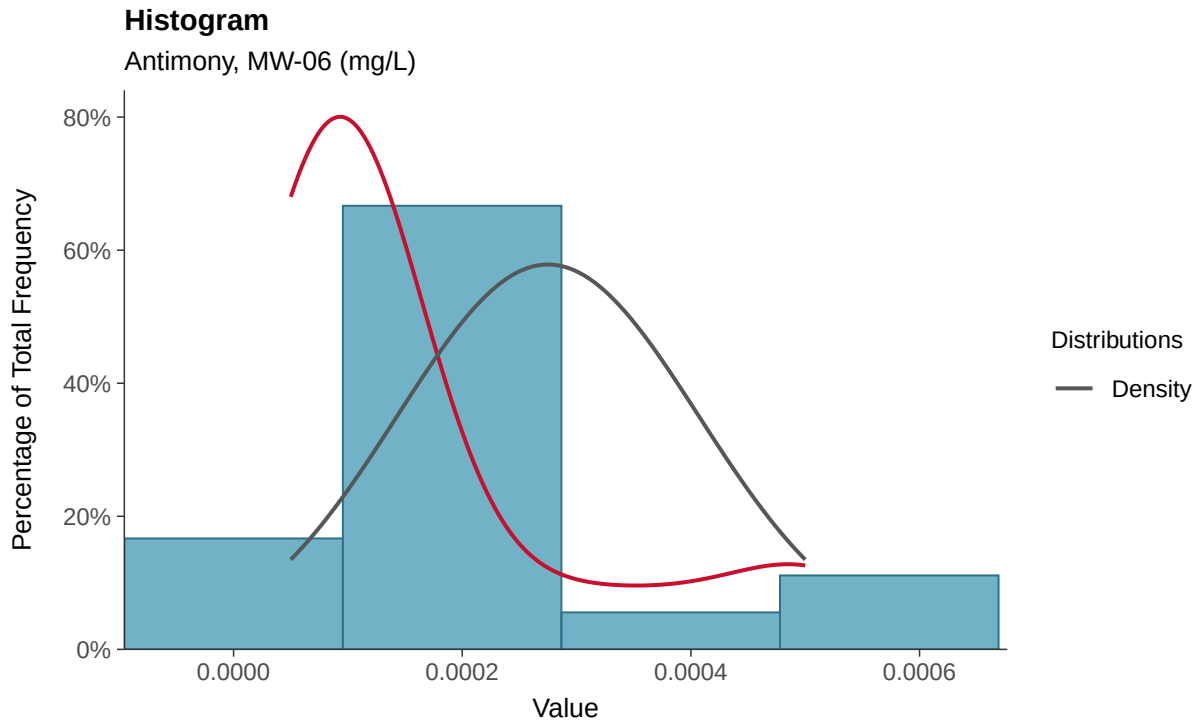
Total Dissolved Solids, MW-06 (mg/L)



Appendix IV: Antimony, MW-06

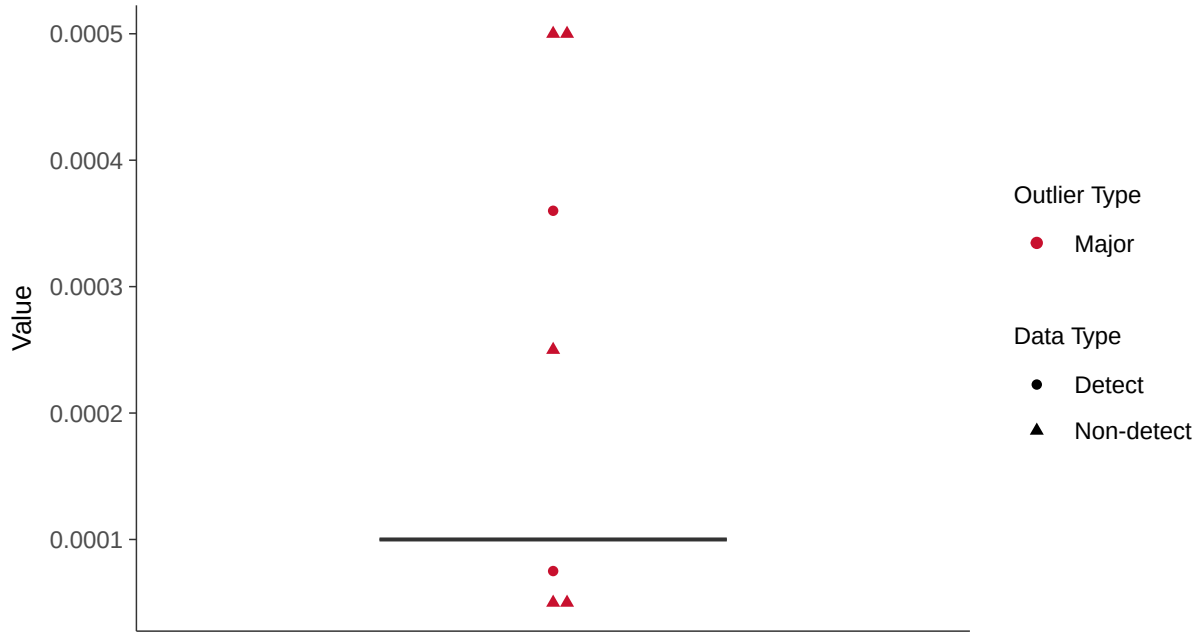
ID: 16_1_4_101





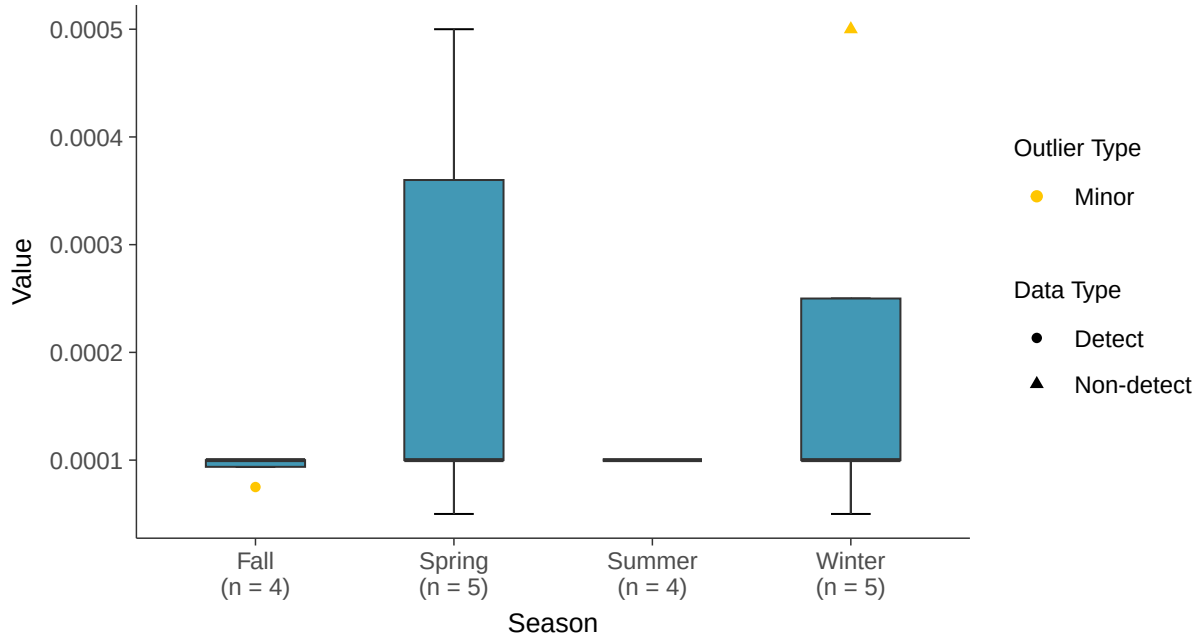
Boxplot

Antimony, MW-06 (mg/L)



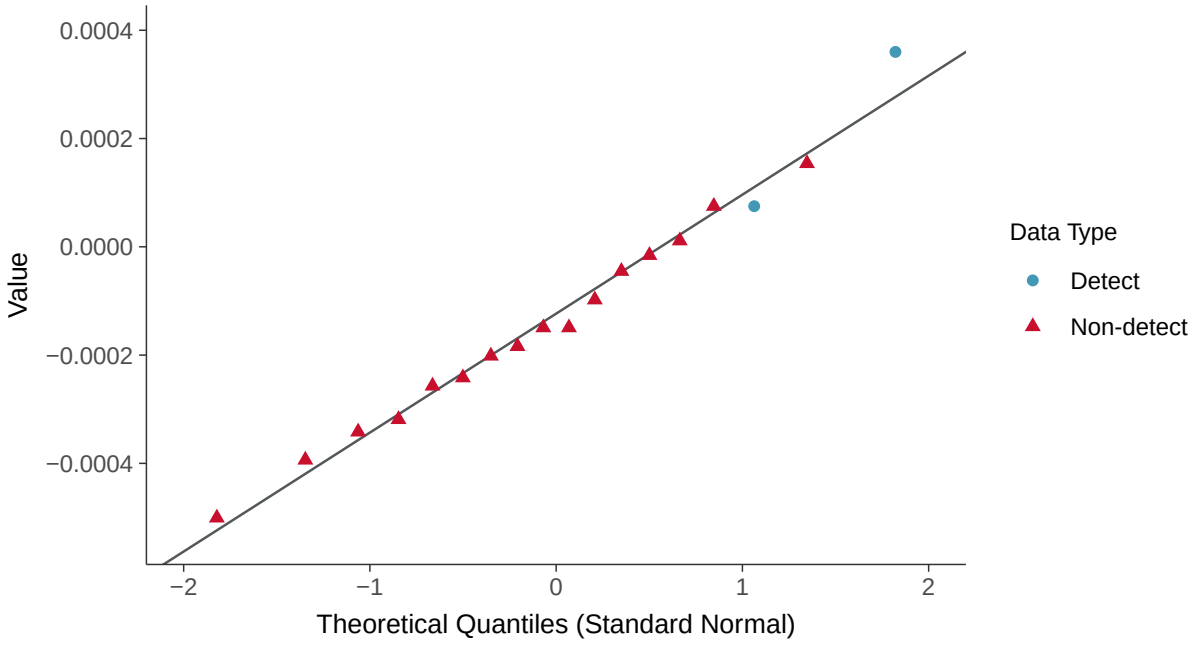
Boxplot by Season

Antimony, MW-06 (mg/L)



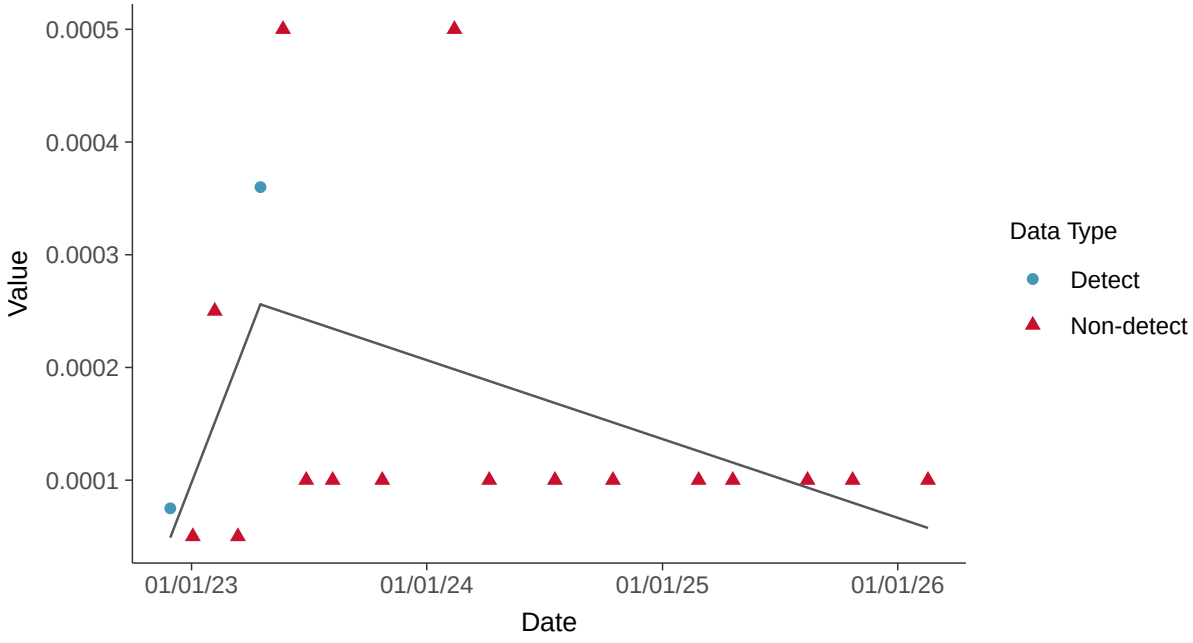
Normal Q-Q plot using ROS Imputed Estimates

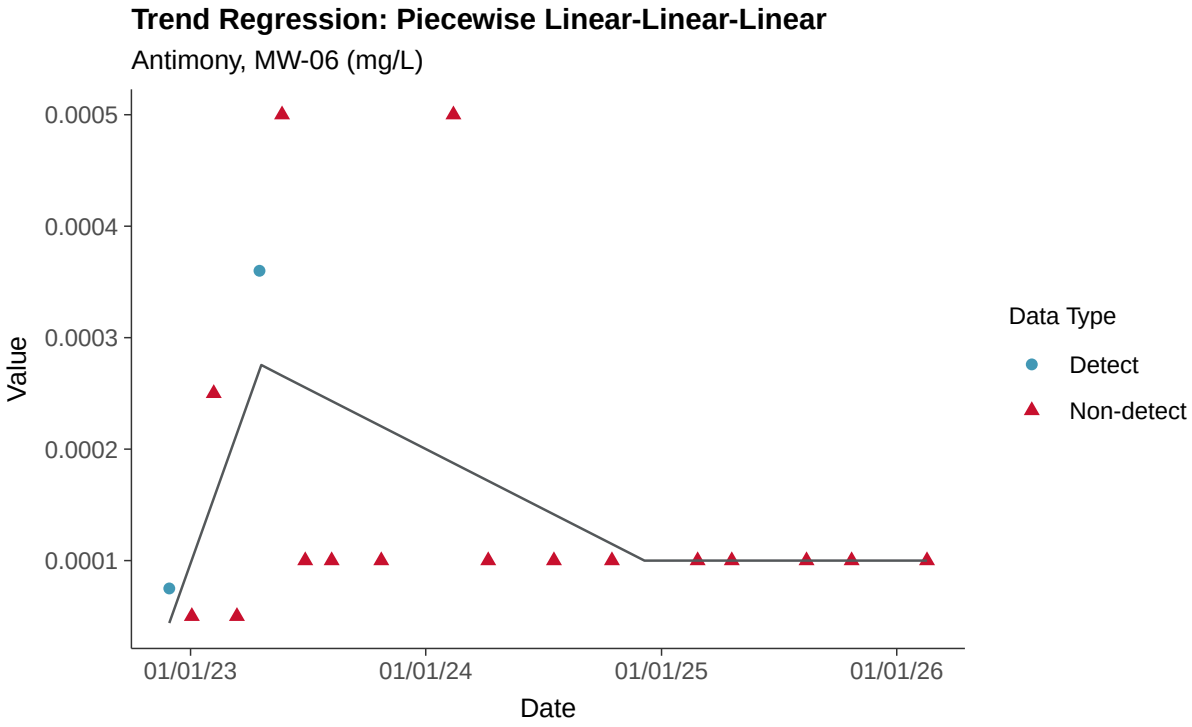
Antimony, MW-06 (mg/L)



Trend Regression: Piecewise Linear-Linear

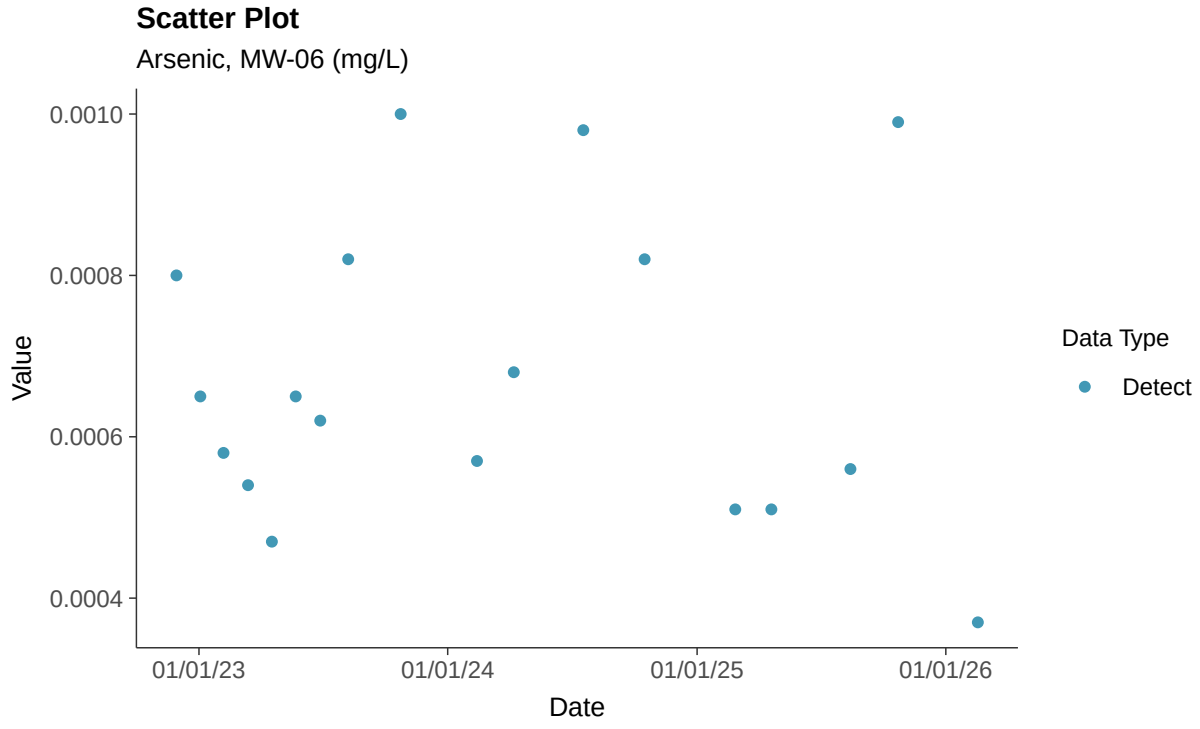
Antimony, MW-06 (mg/L)

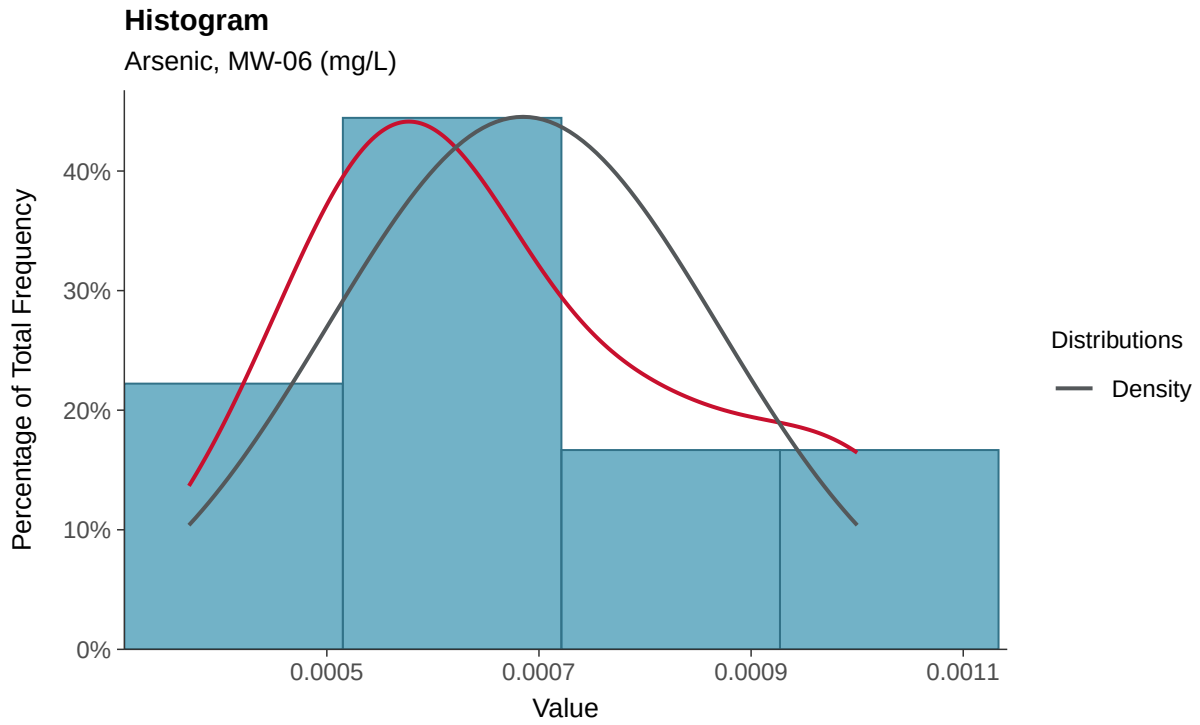



Trend Regression: Piecewise Linear-Linear-Linear
Antimony, MW-06 (mg/L)
0.0005
0.0004
0.0003
0.0002
0.0001
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Arsenic, MW-06

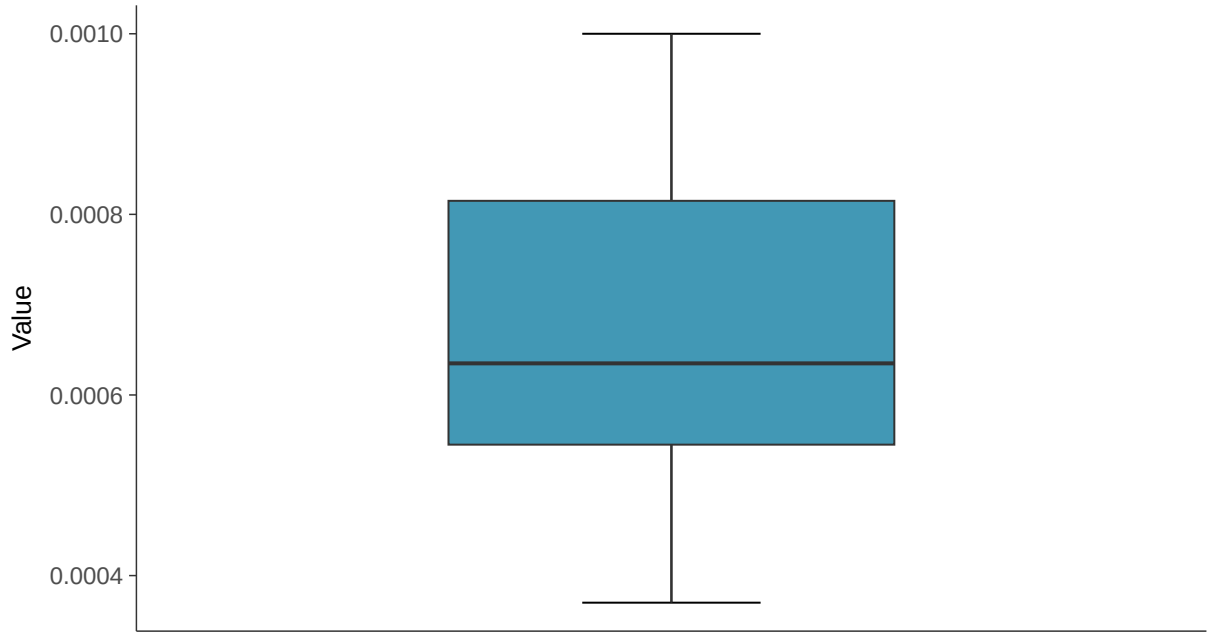
ID: 16_1_4_102





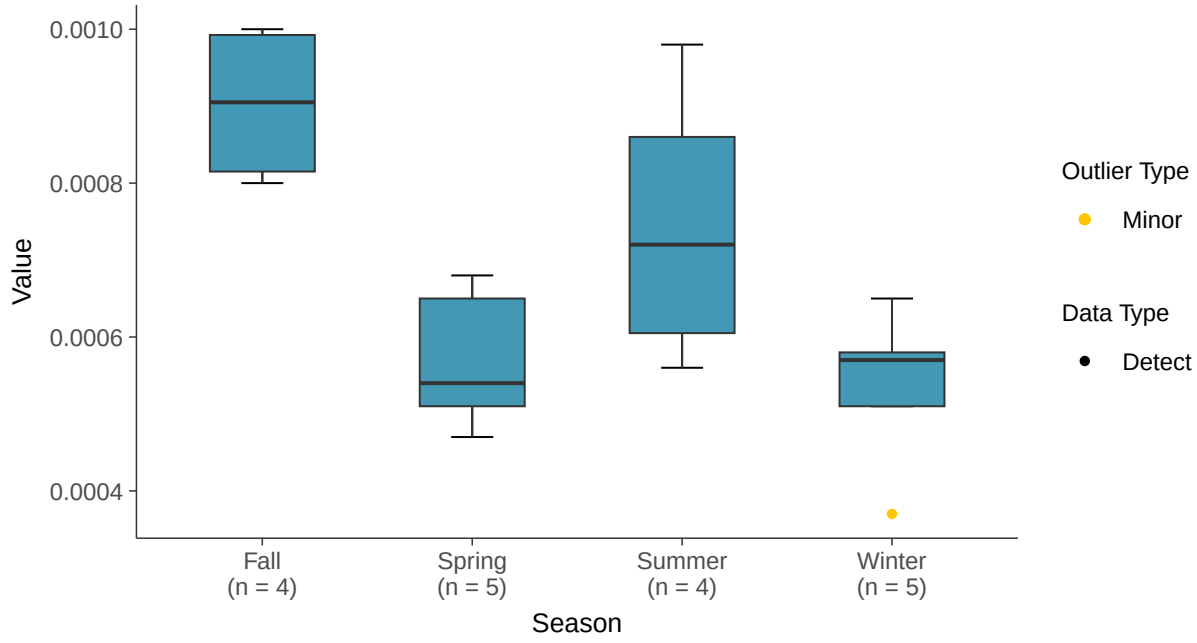
Boxplot

Arsenic, MW-06 (mg/L)



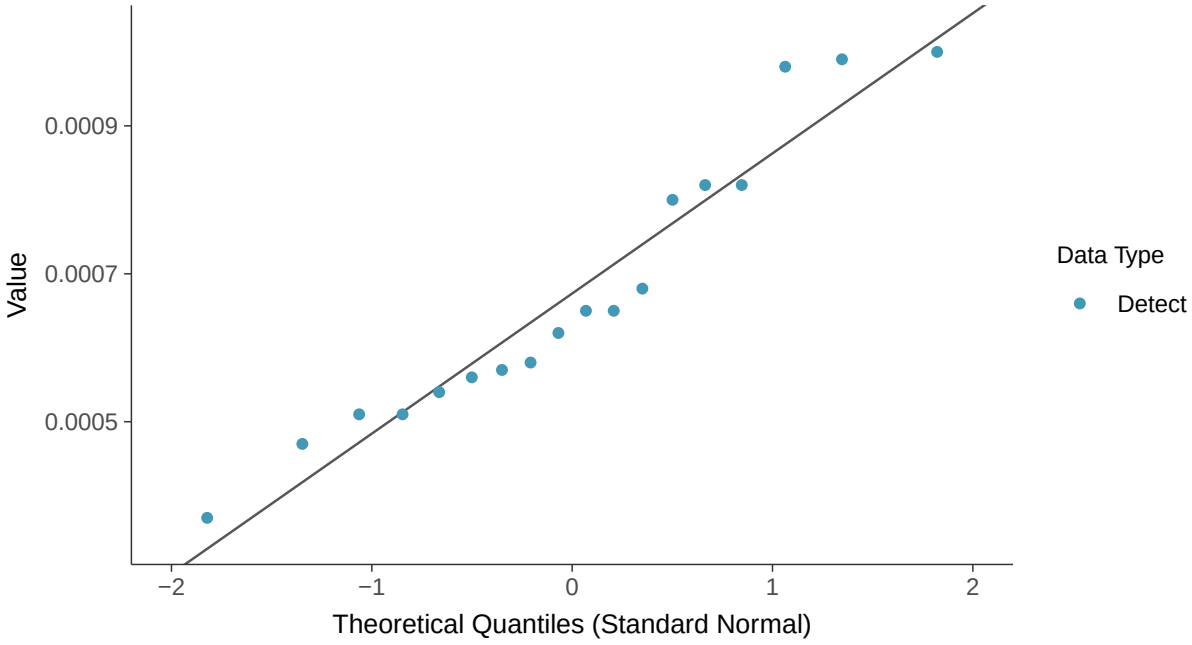
Boxplot by Season

Arsenic, MW-06 (mg/L)



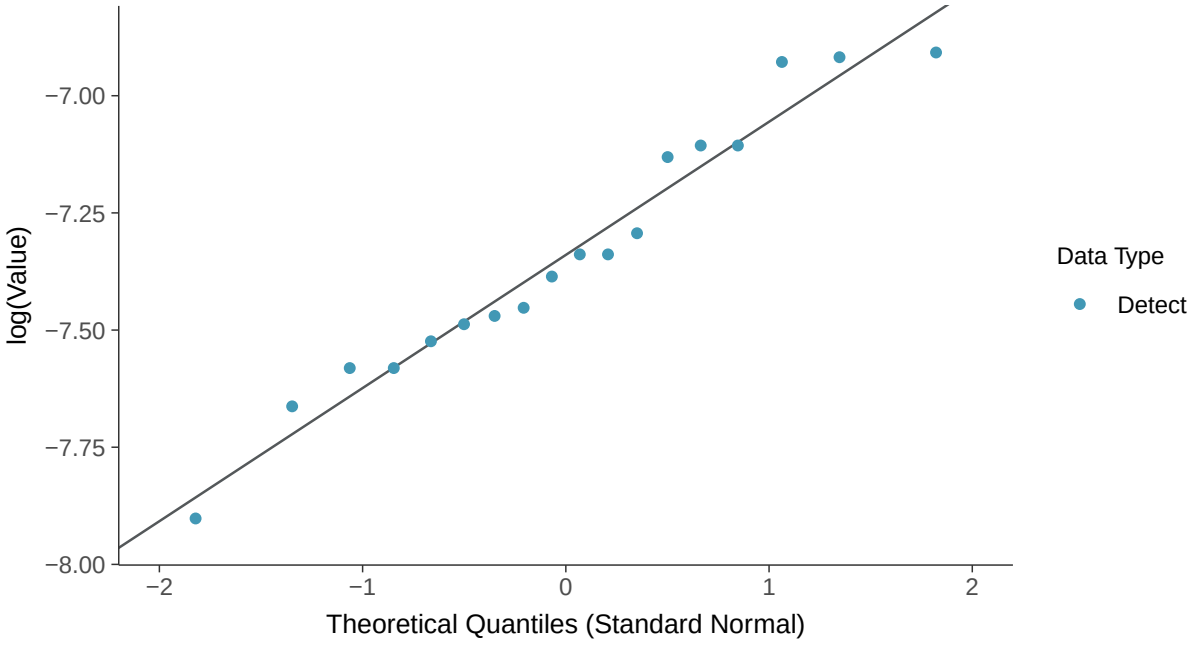
Normal Q-Q plot

Arsenic, MW-06 (mg/L)



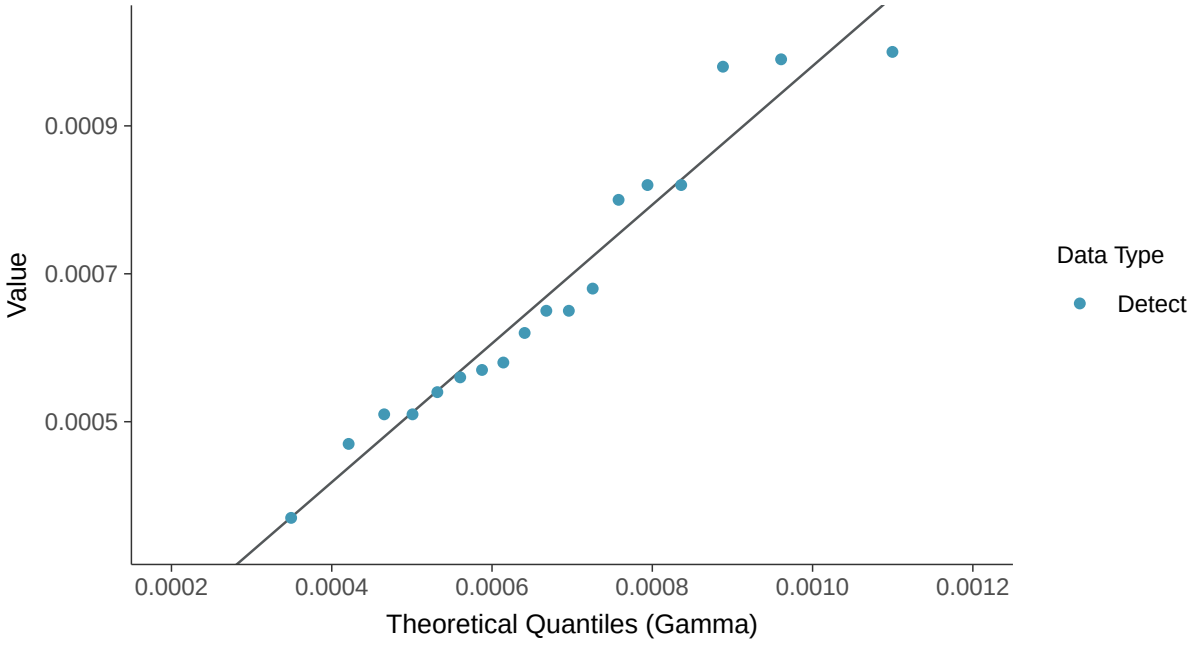
Lognormal Q-Q plot

Arsenic, MW-06 (mg/L)



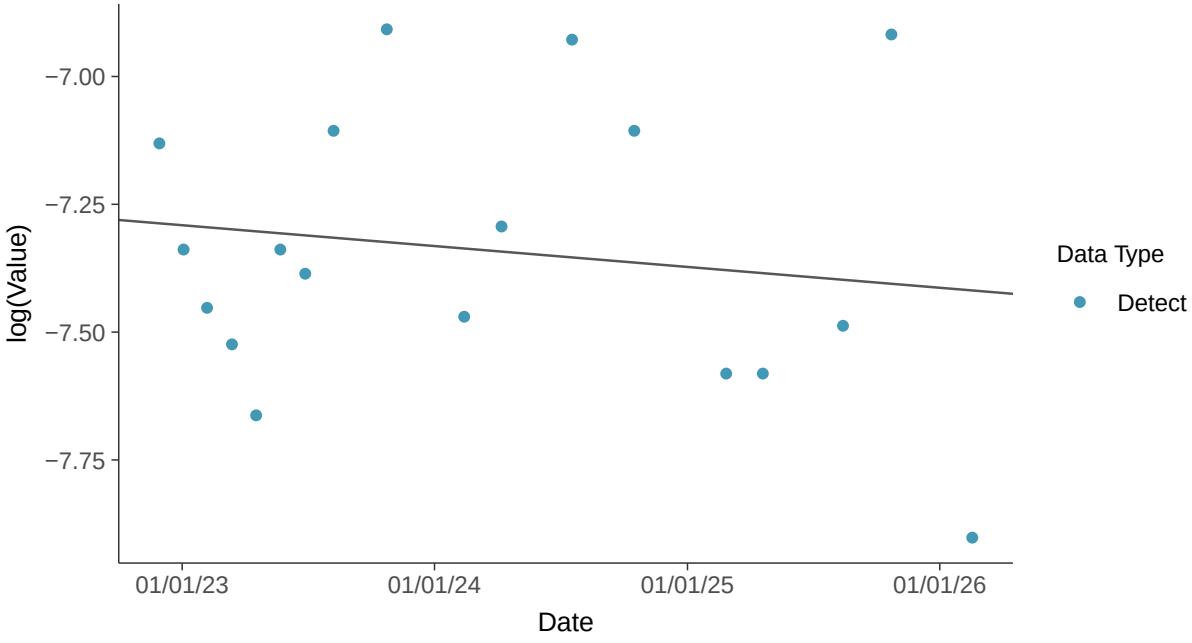
Gamma Q-Q plot

Arsenic, MW-06 (mg/L)



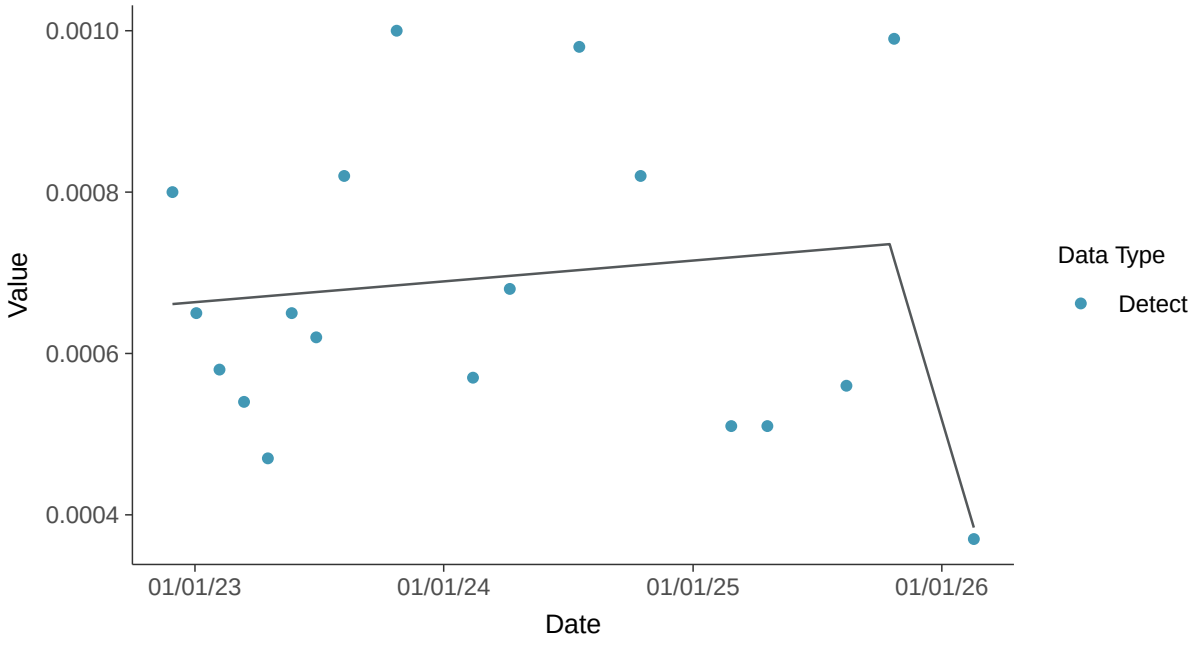
Trend Regression: Lognormal MLE

Arsenic, MW-06 (mg/L)



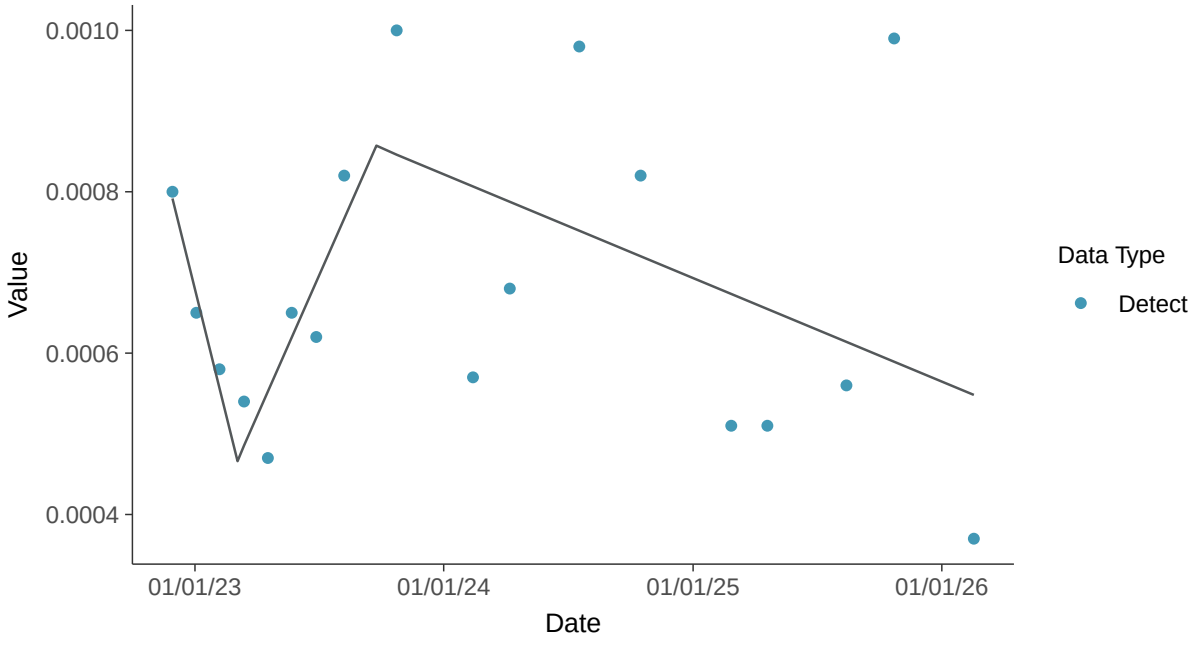
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-06 (mg/L)



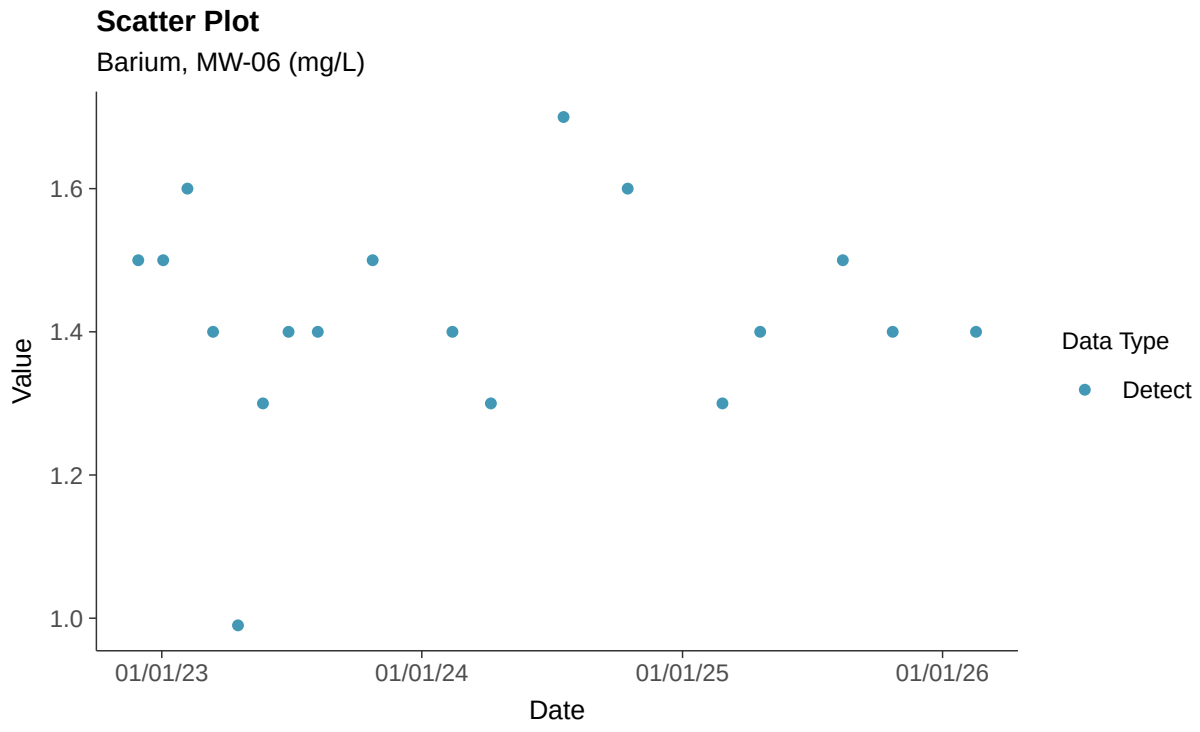
Trend Regression: Piecewise Linear-Linear-Linear

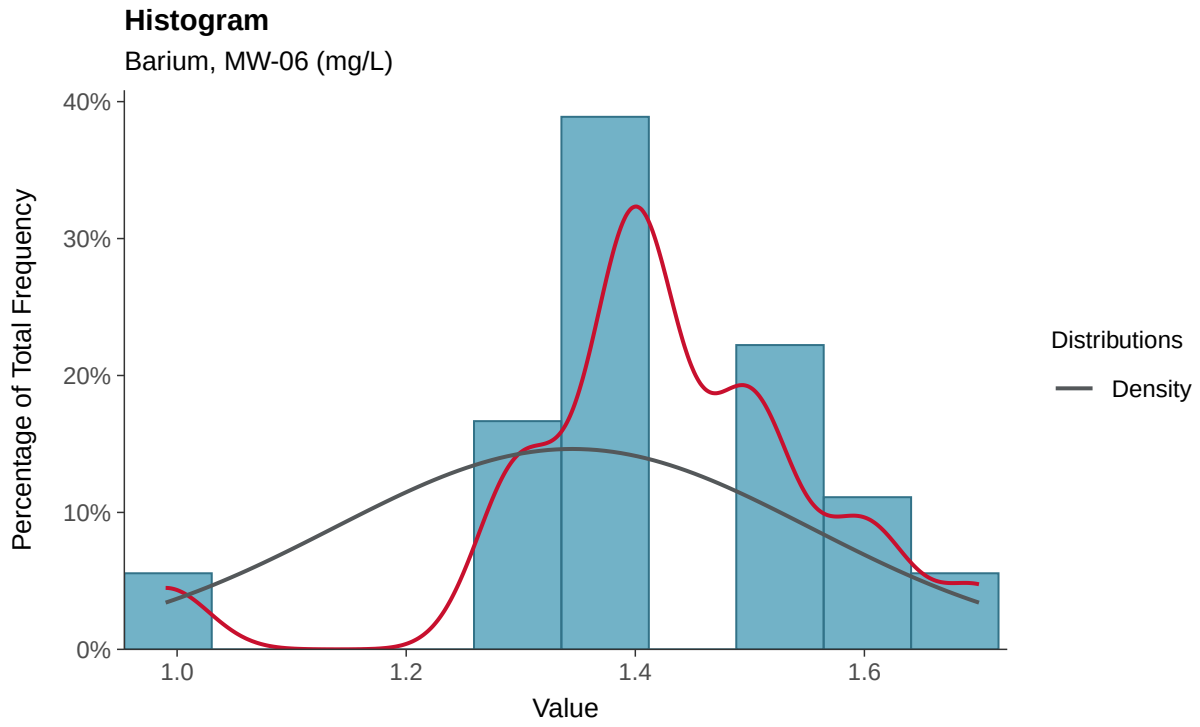
Arsenic, MW-06 (mg/L)



Appendix IV: Barium, MW-06

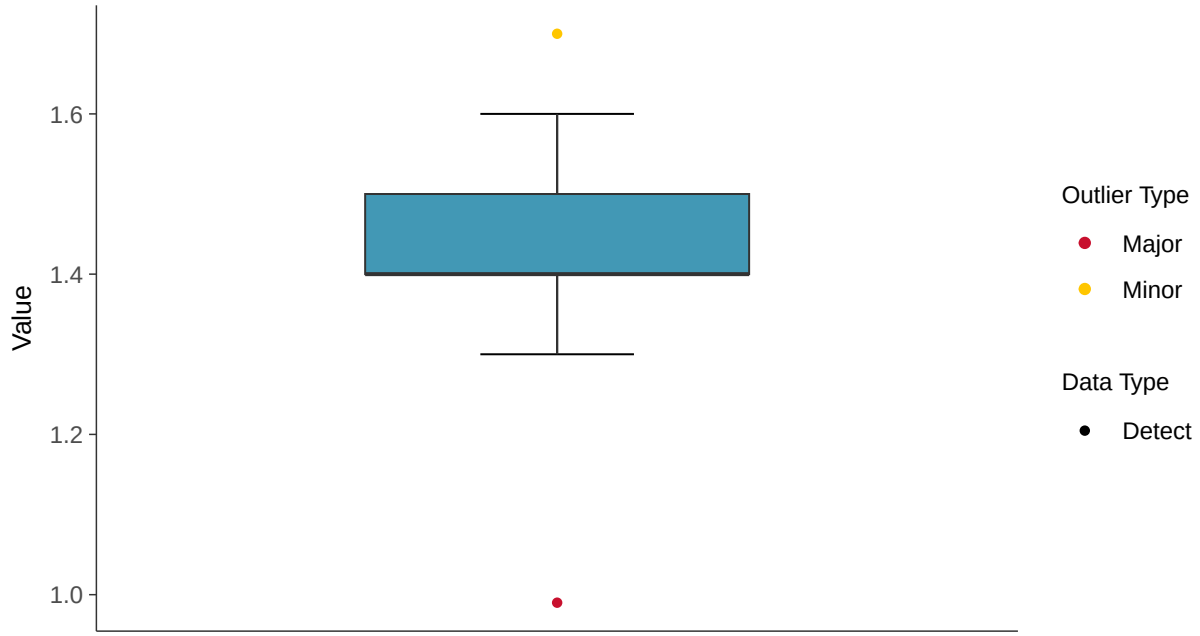
ID: 16_1_4_103





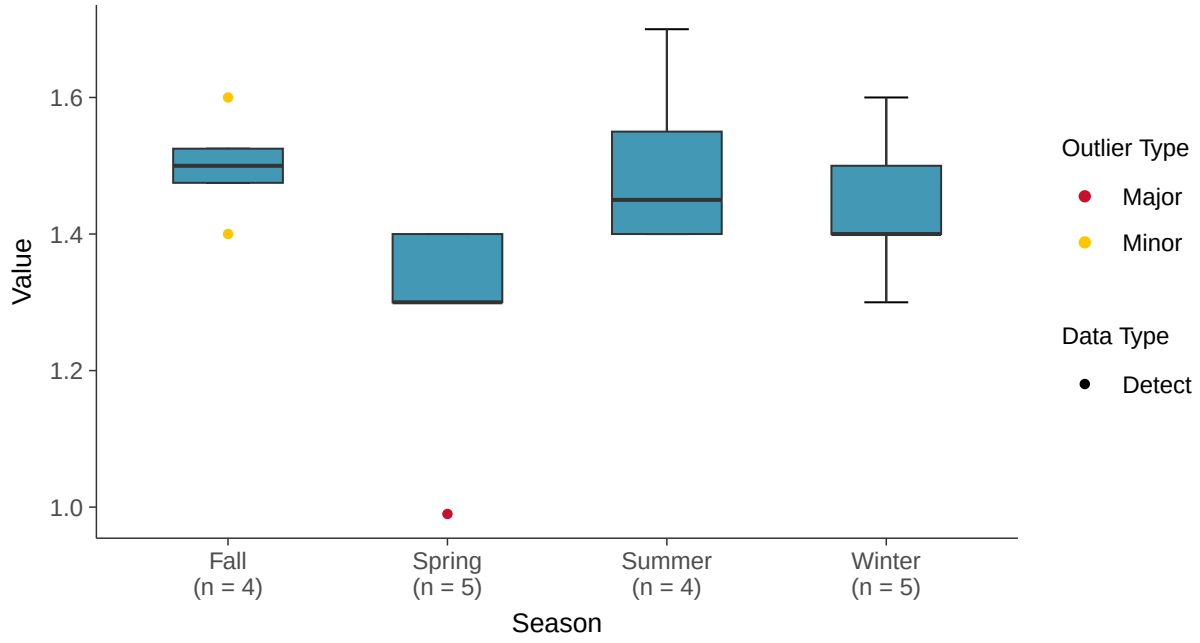
Boxplot

Barium, MW-06 (mg/L)



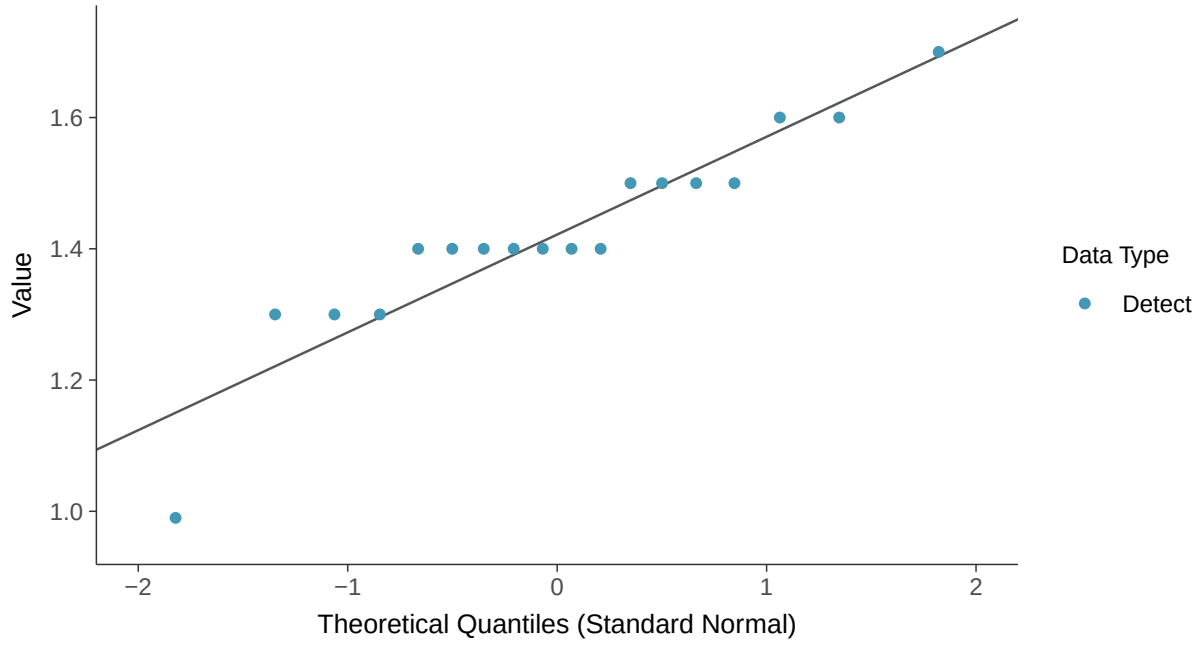
Boxplot by Season

Barium, MW-06 (mg/L)



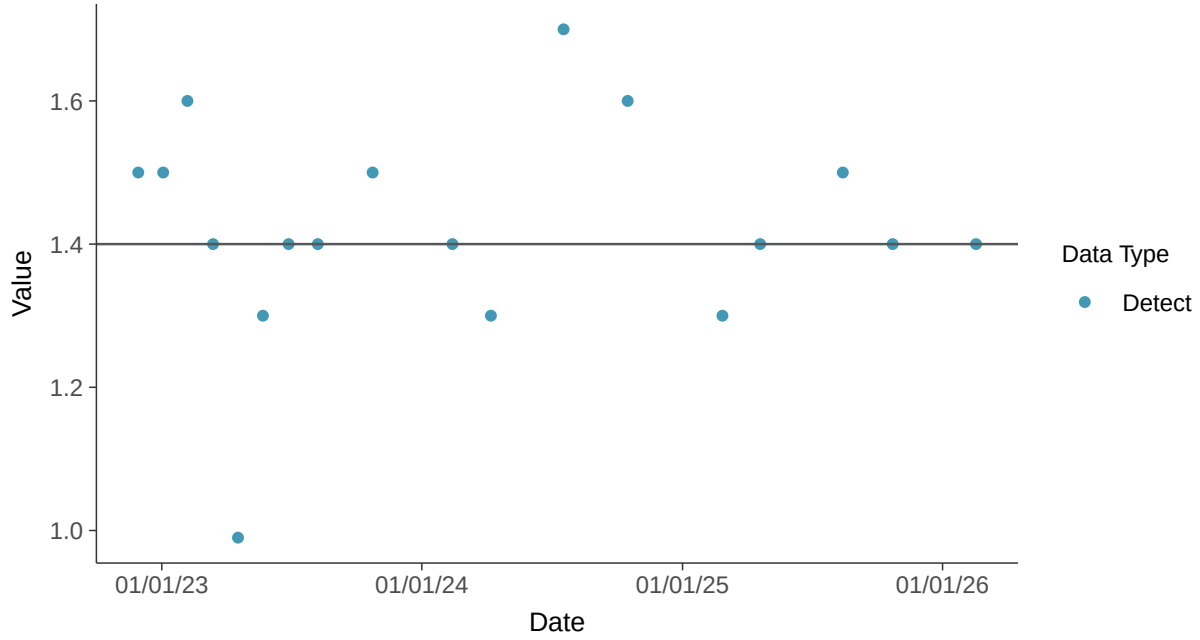
Normal Q-Q plot

Barium, MW-06 (mg/L)



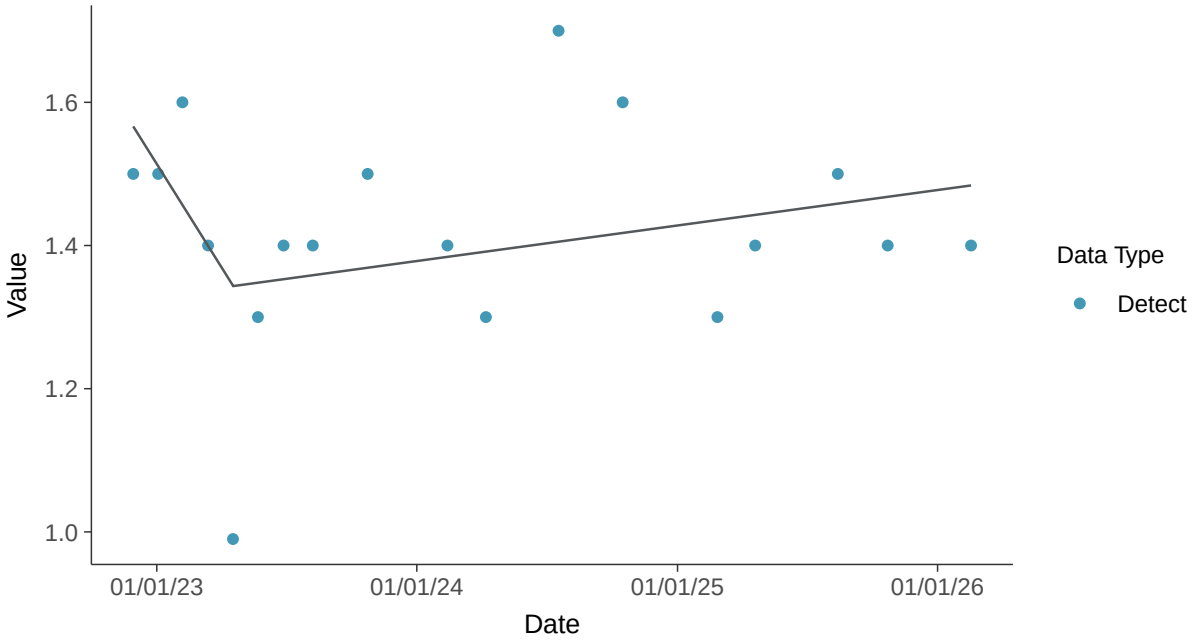
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Barium, MW-06 (mg/L)



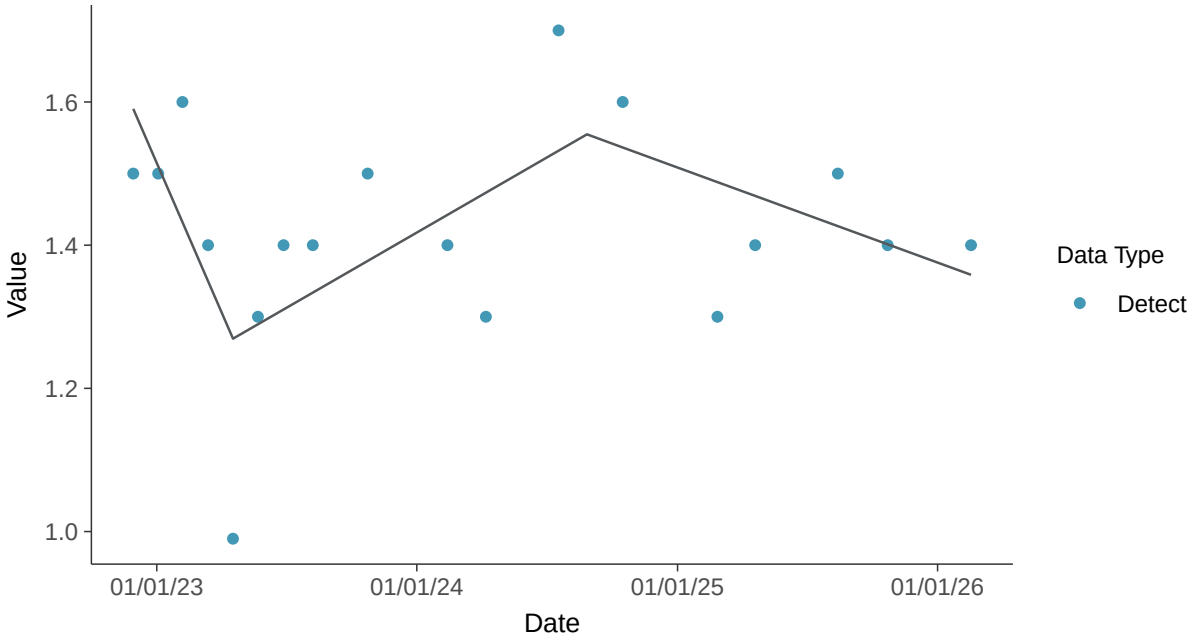
Trend Regression: Piecewise Linear-Linear

Barium, MW-06 (mg/L)



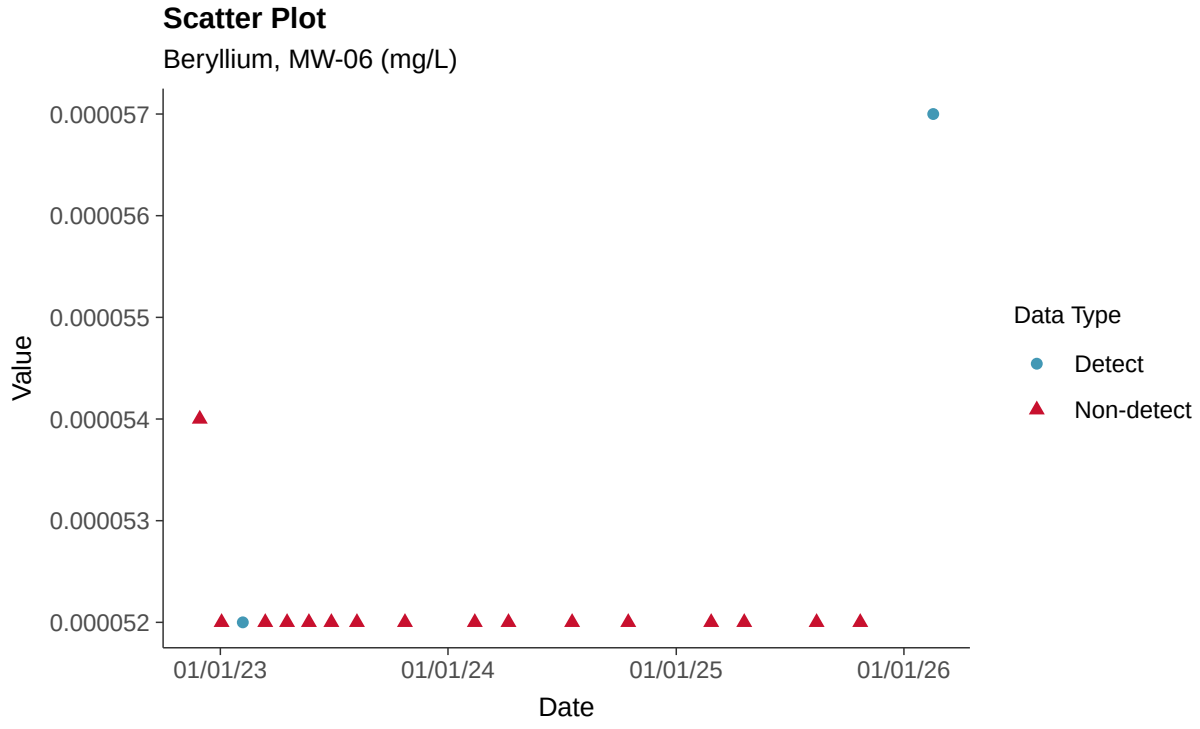
Trend Regression: Piecewise Linear-Linear-Linear

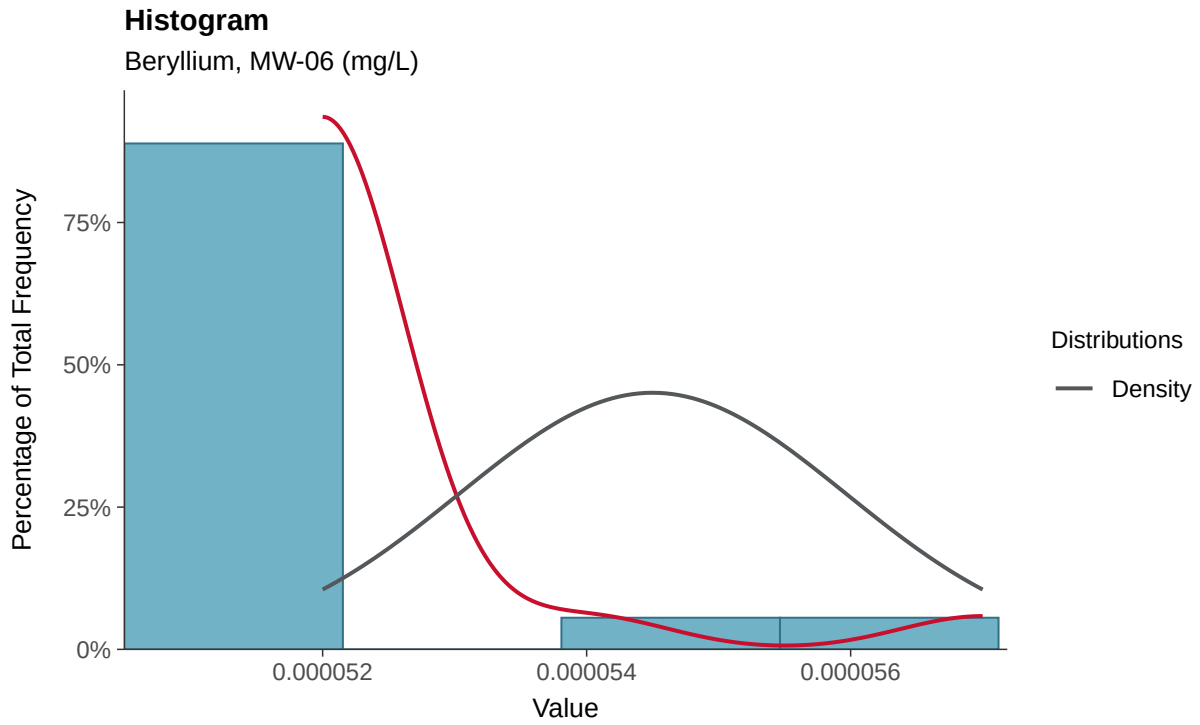
Barium, MW-06 (mg/L)



Appendix IV: Beryllium, MW-06

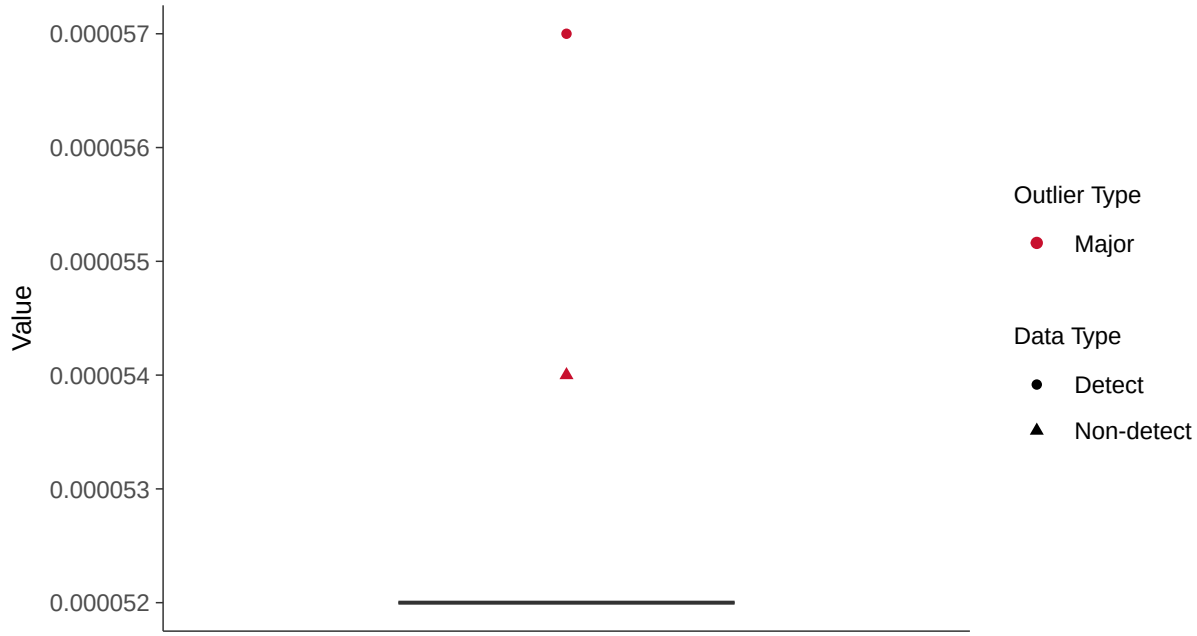
ID: 16_1_4_104





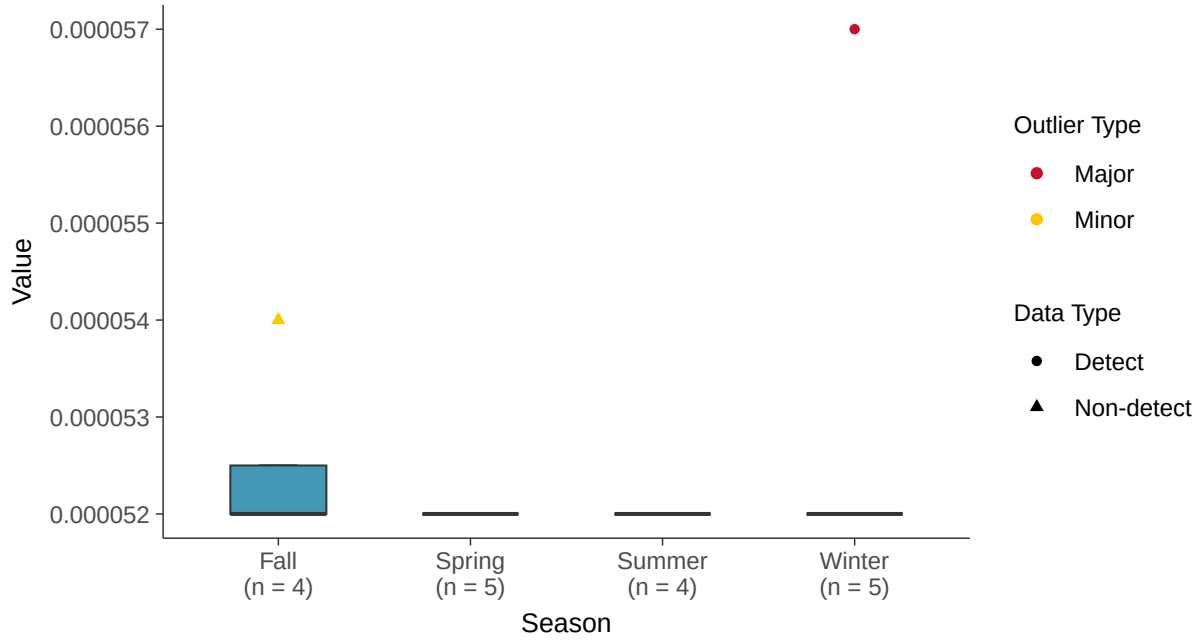
Boxplot

Beryllium, MW-06 (mg/L)



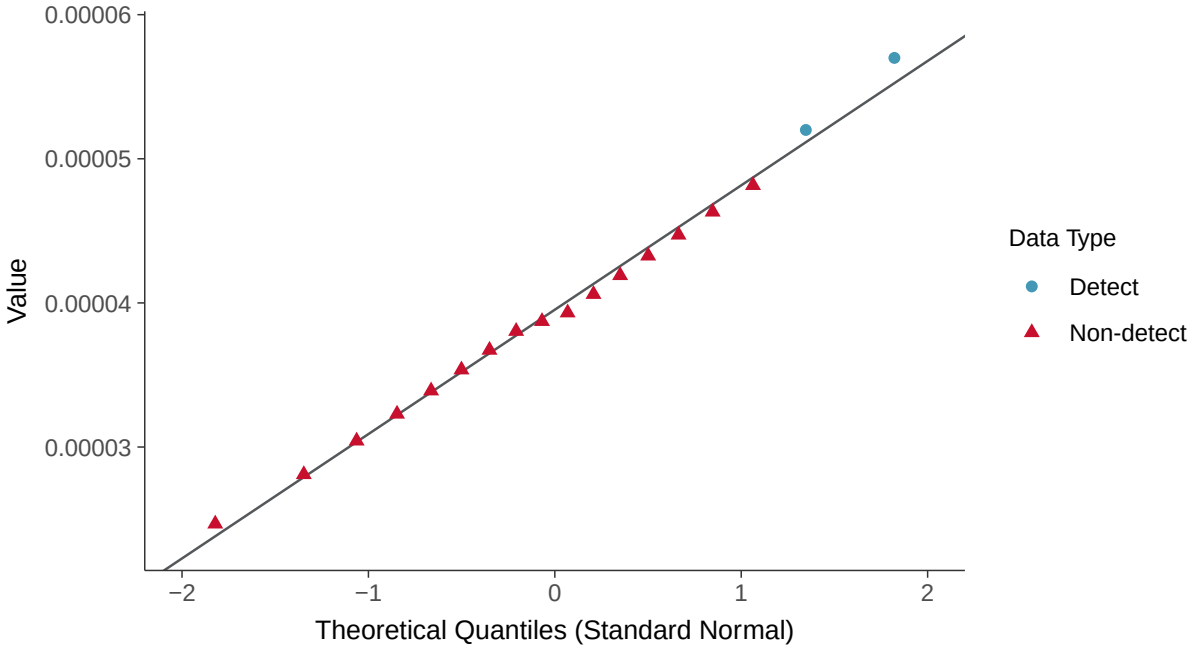
Boxplot by Season

Beryllium, MW-06 (mg/L)



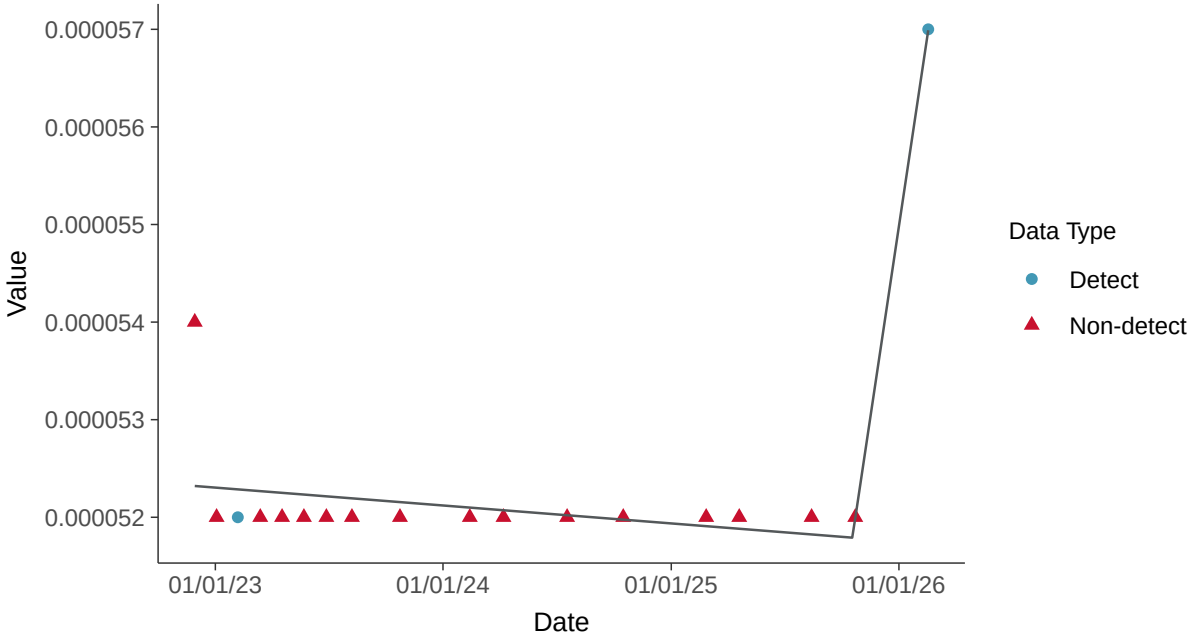
Normal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-06 (mg/L)



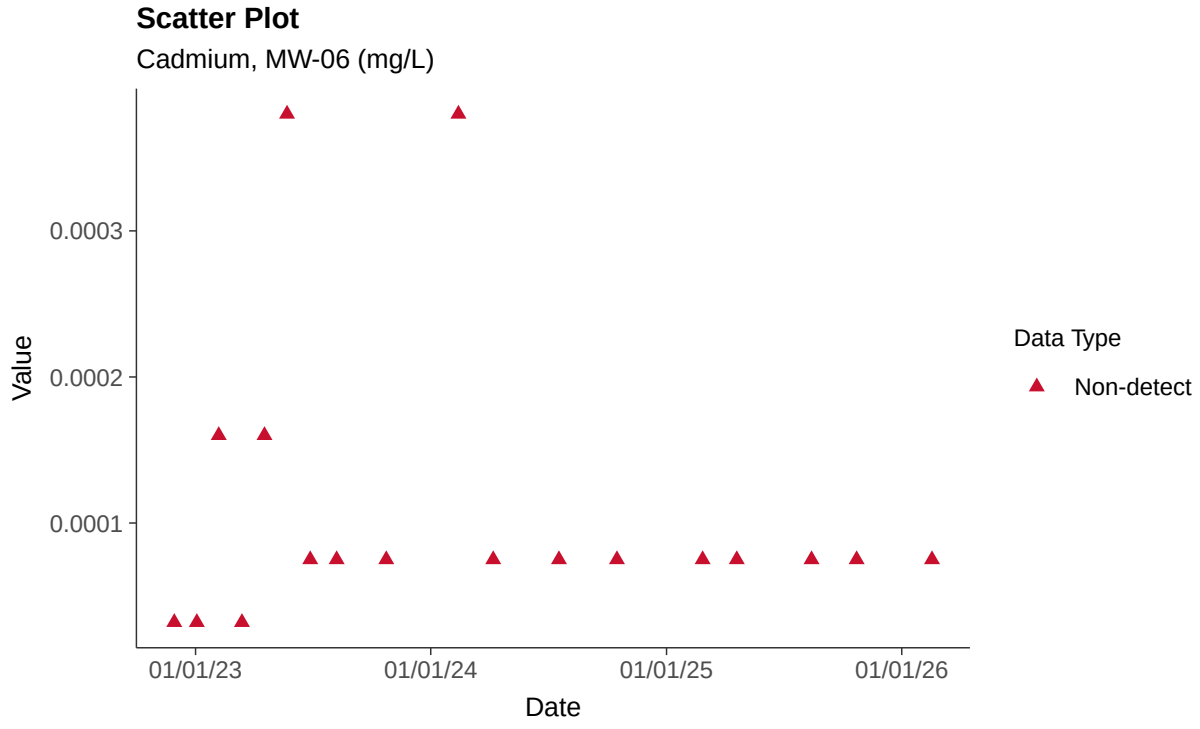
Trend Regression: Piecewise Linear-Linear

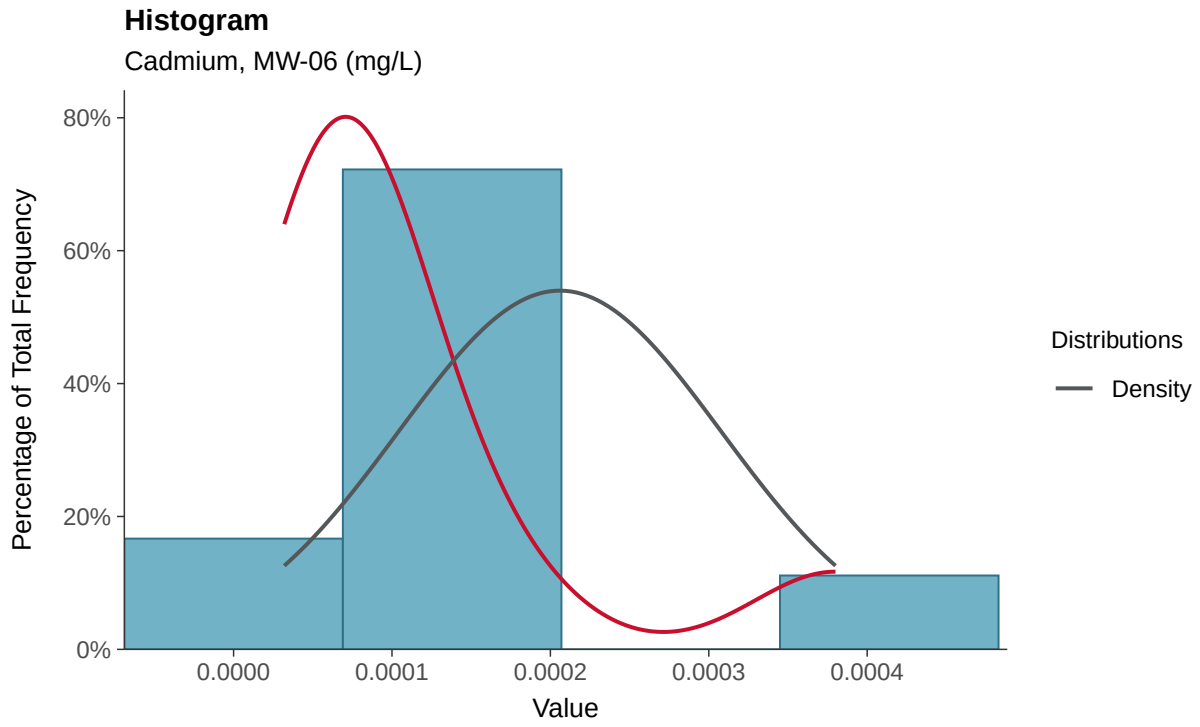
Beryllium, MW-06 (mg/L)



Appendix IV: Cadmium, MW-06

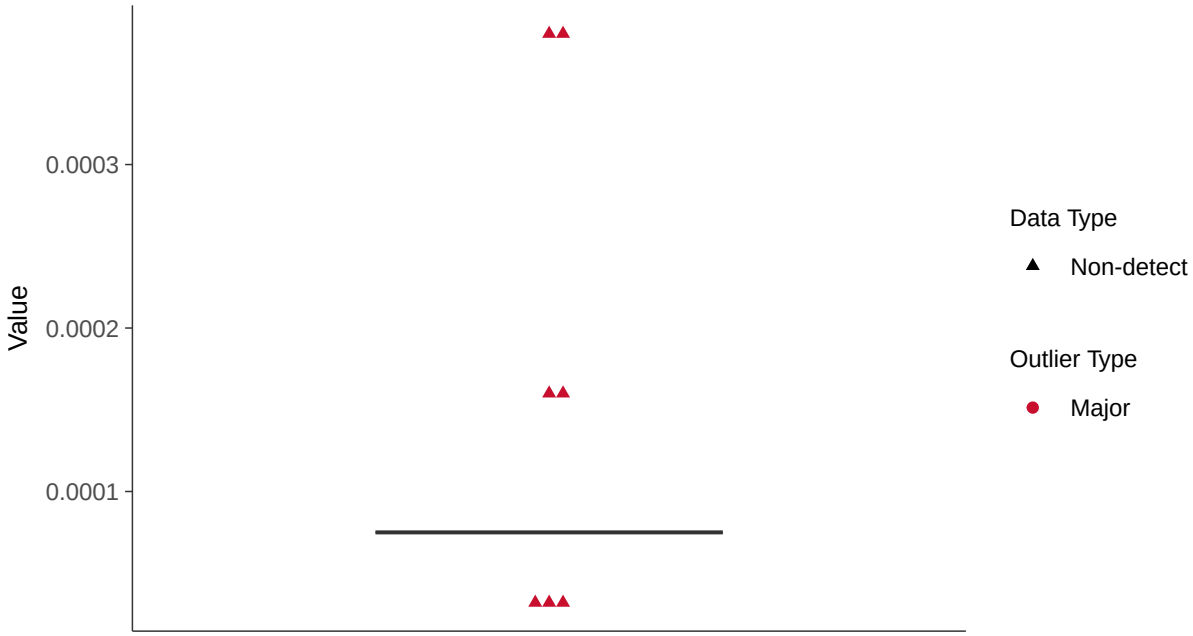
ID: 16_1_4_106





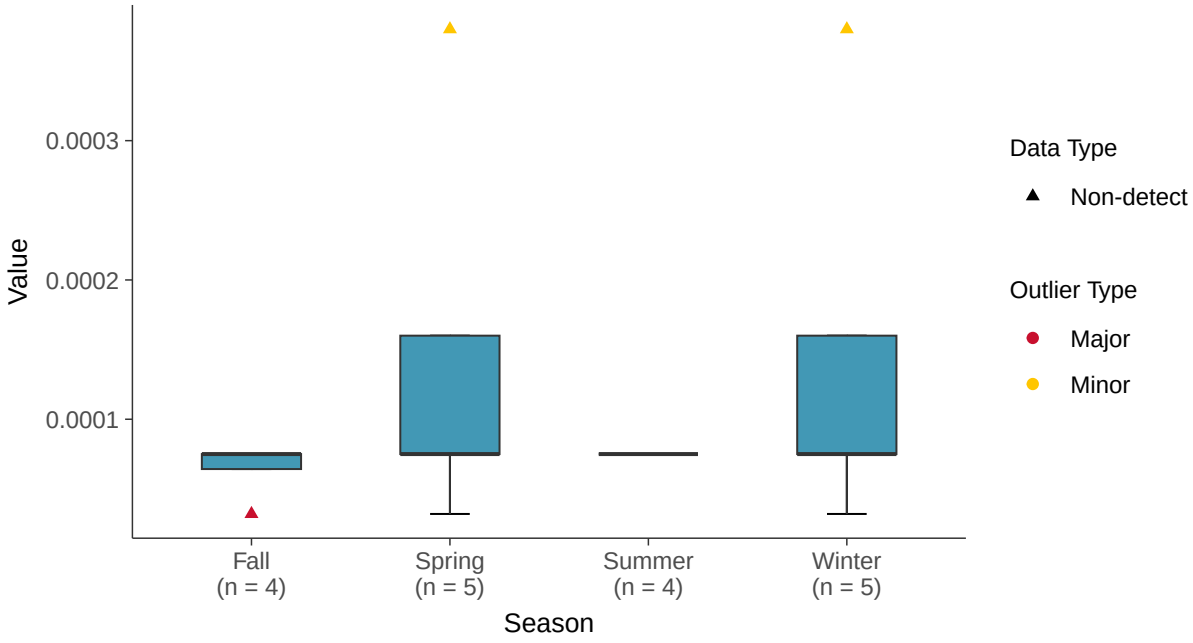
Boxplot

Cadmium, MW-06 (mg/L)



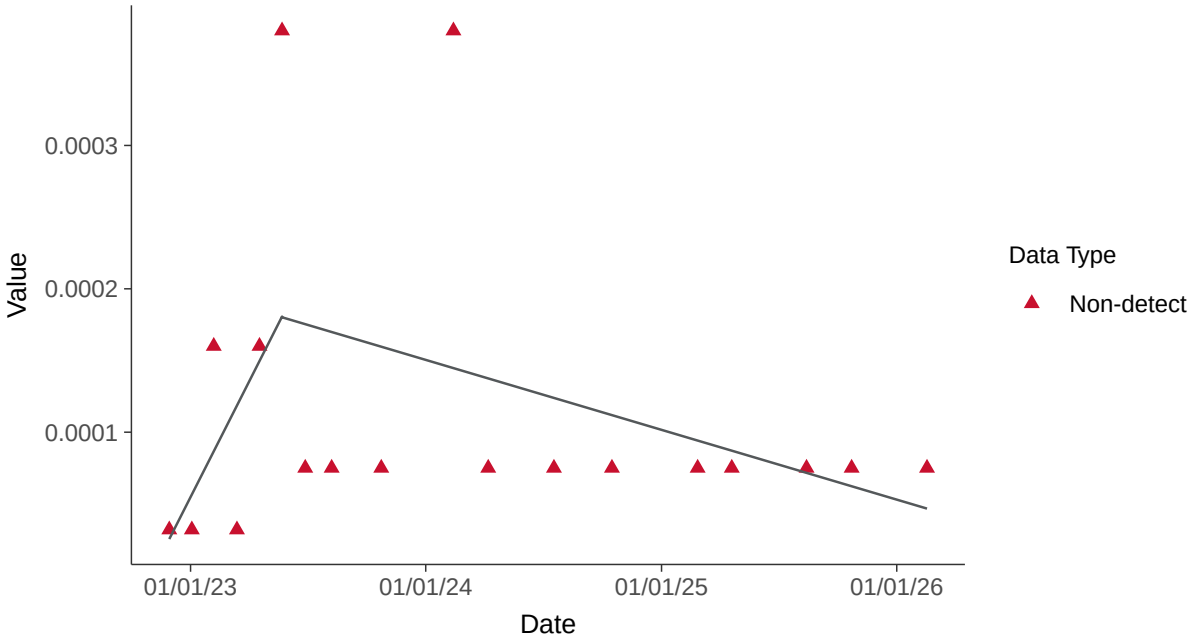
Boxplot by Season

Cadmium, MW-06 (mg/L)



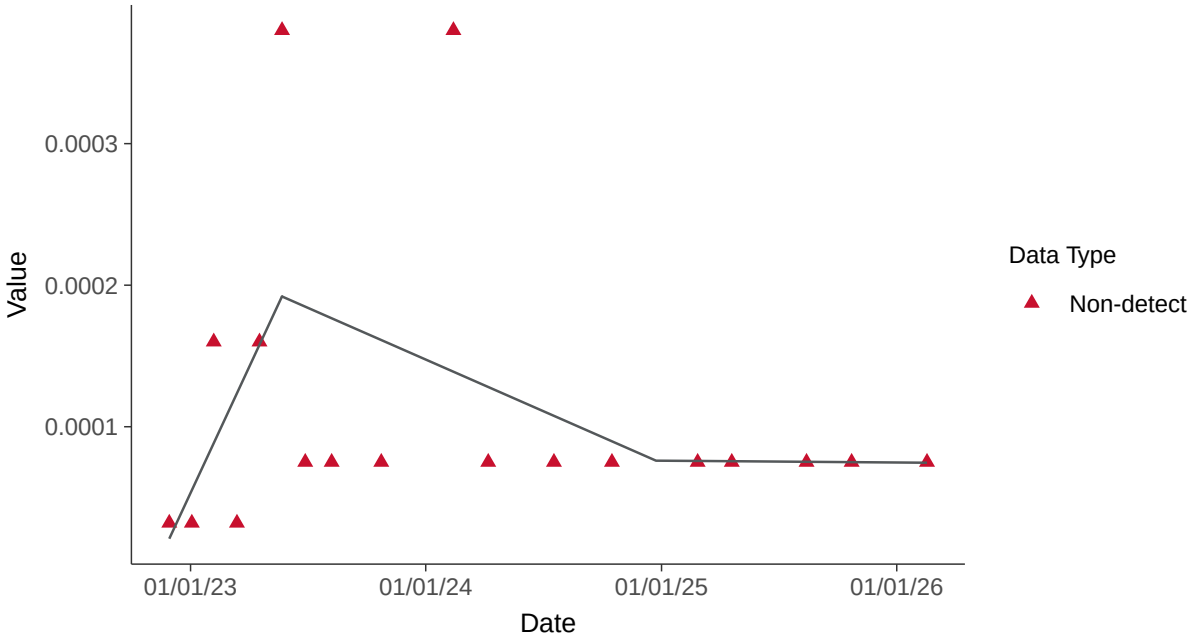
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-06 (mg/L)



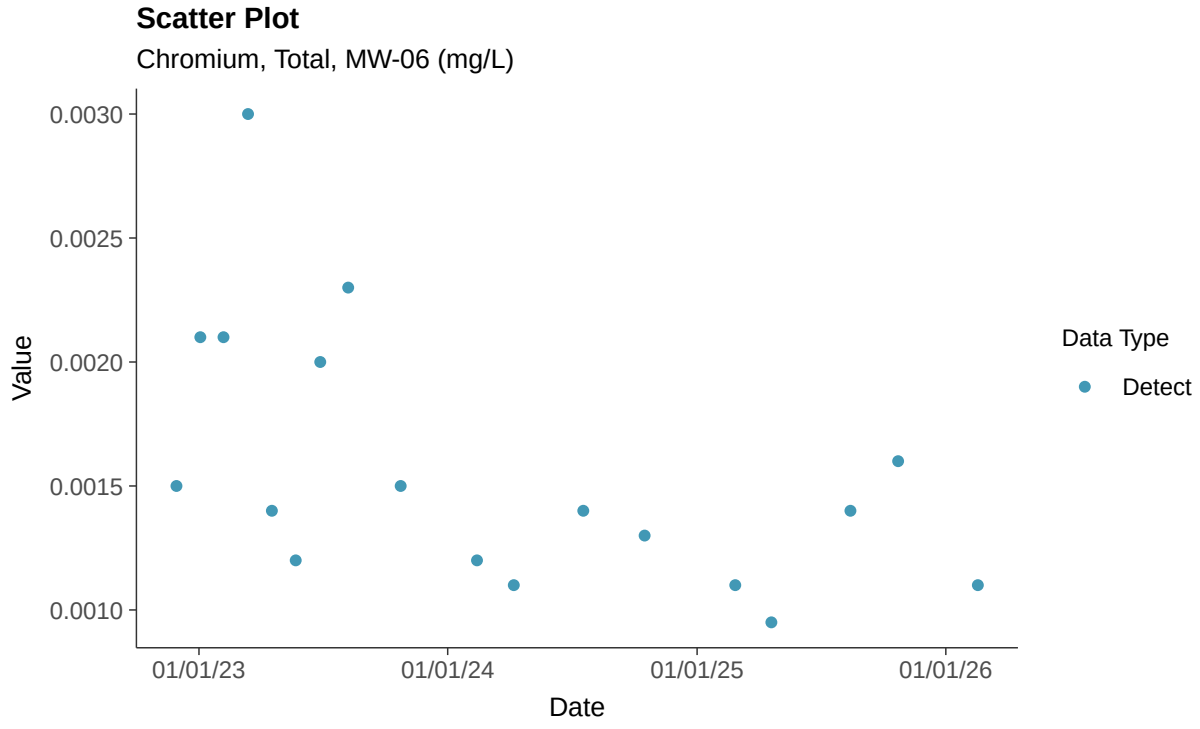
Trend Regression: Piecewise Linear-Linear-Linear

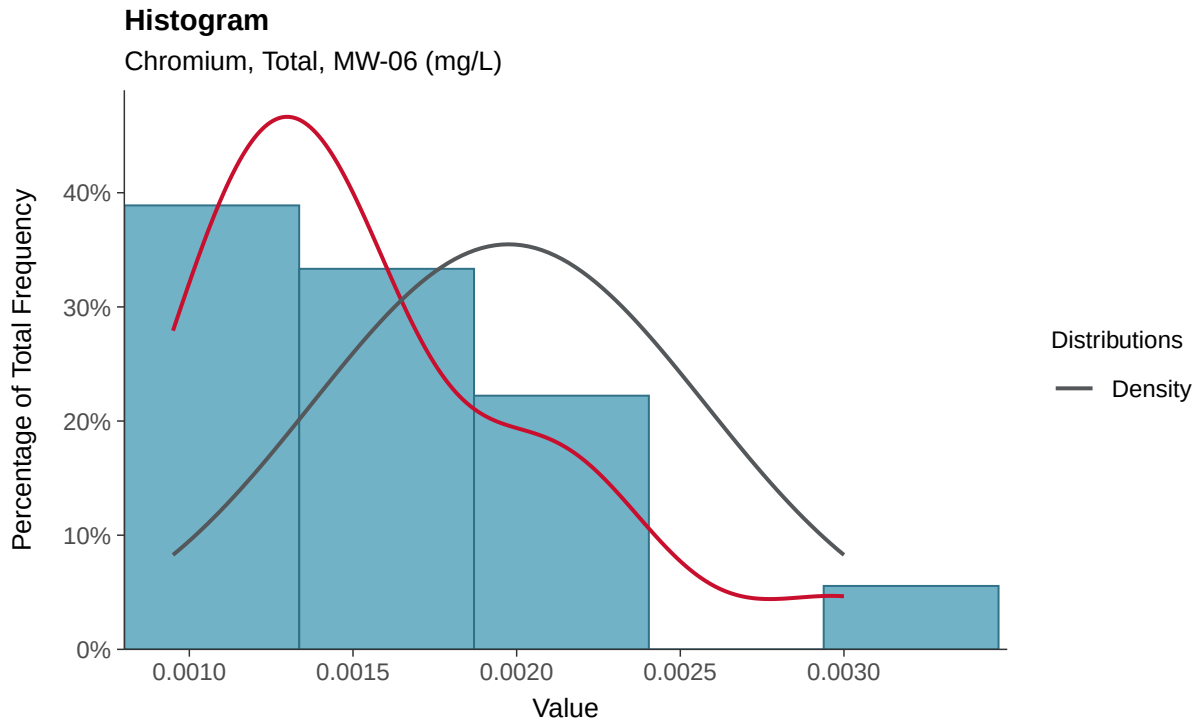
Cadmium, MW-06 (mg/L)



Appendix IV: Chromium, Total, MW-06

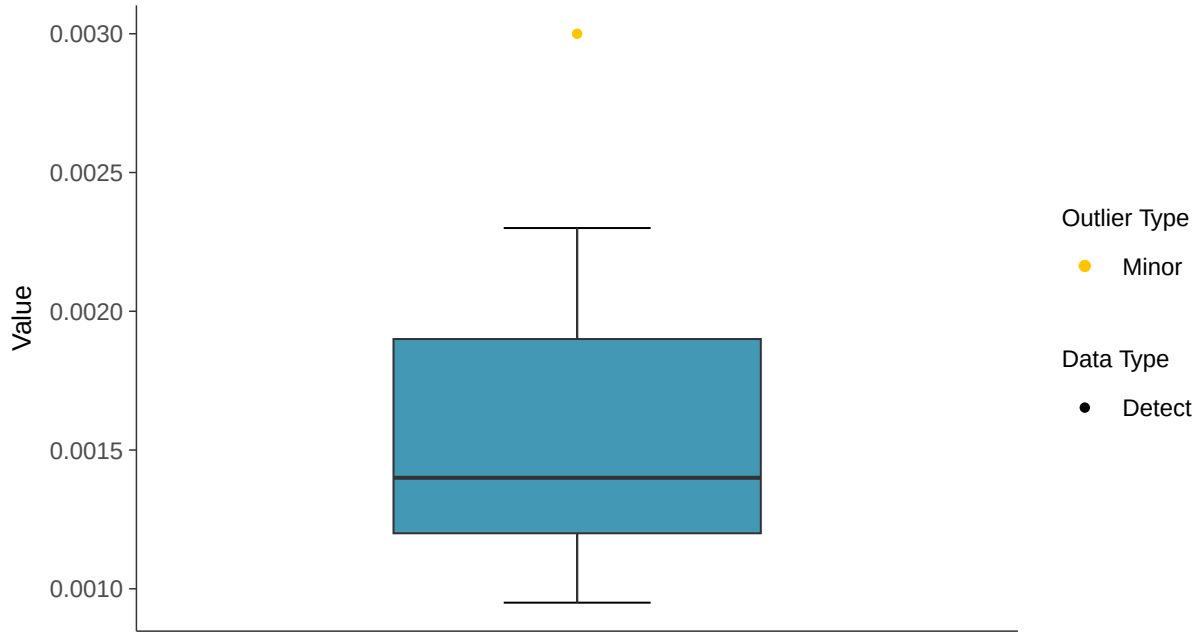
ID: 16_1_4_109





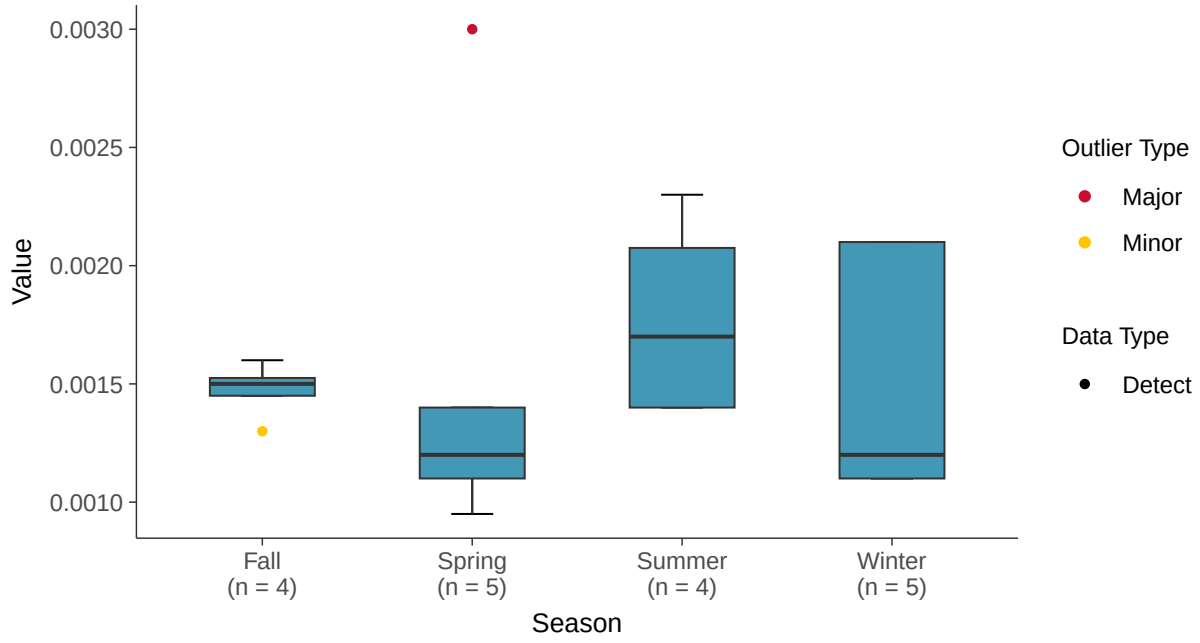
Boxplot

Chromium, Total, MW-06 (mg/L)



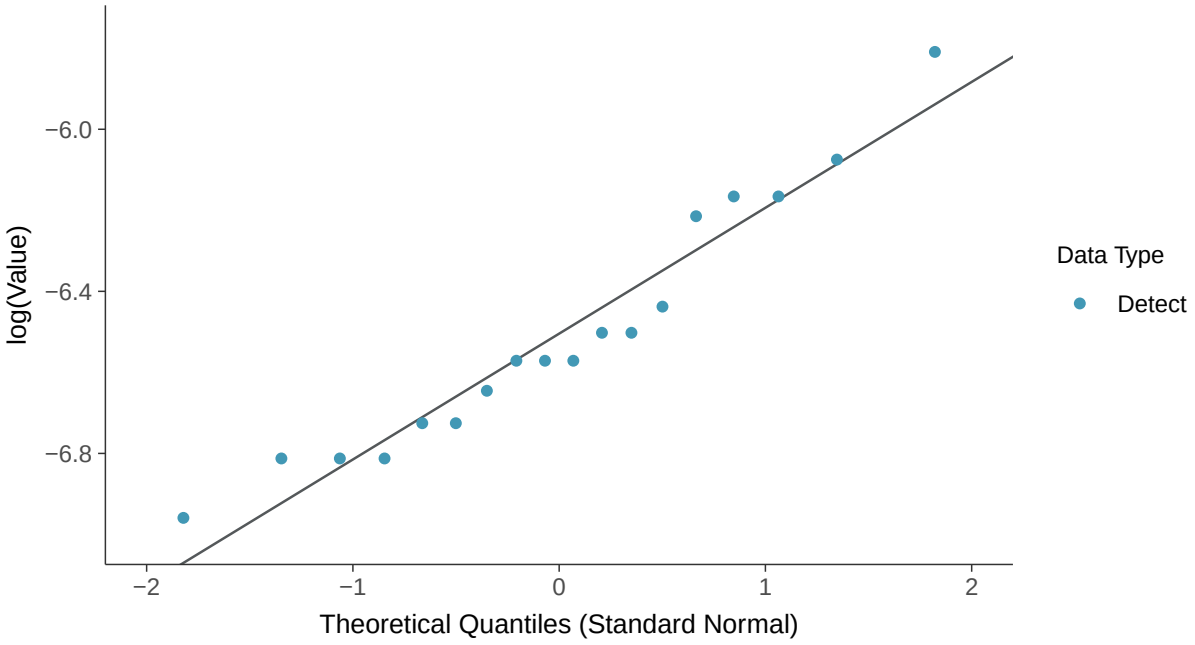
Boxplot by Season

Chromium, Total, MW-06 (mg/L)



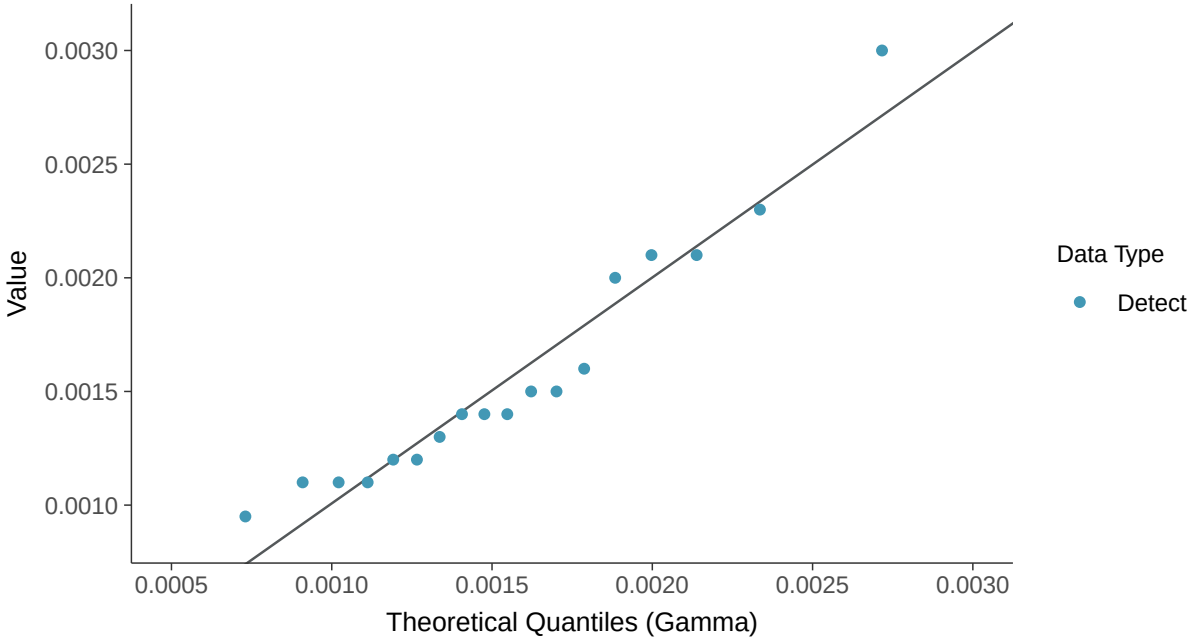
Lognormal Q-Q plot

Chromium, Total, MW-06 (mg/L)



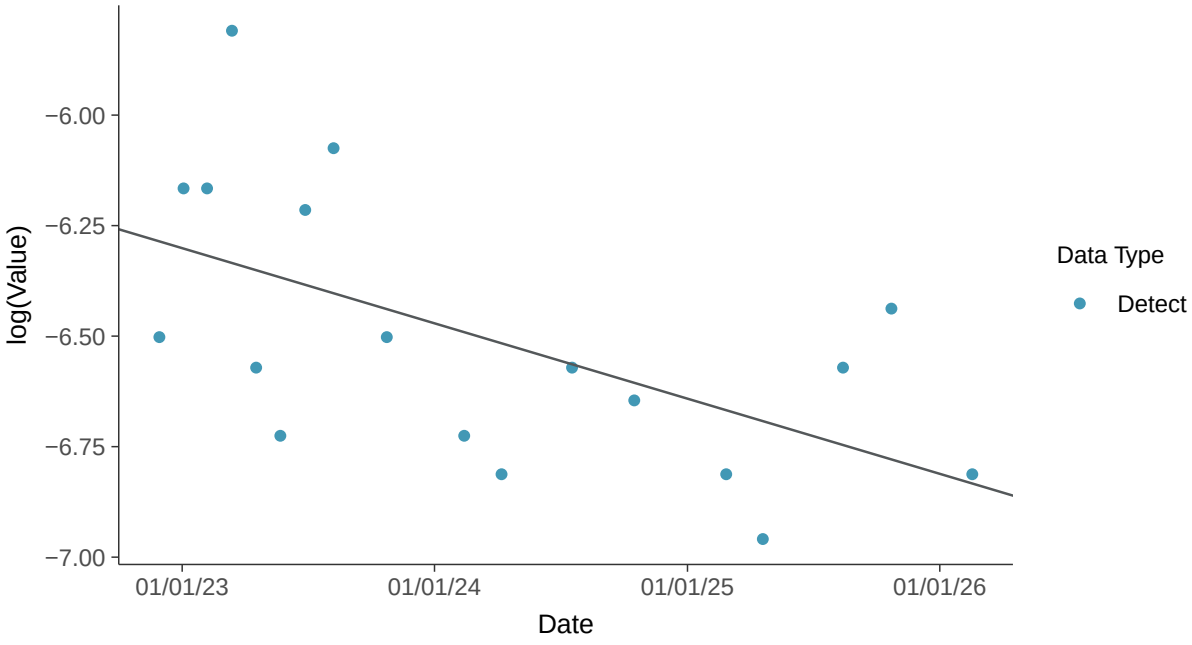
Gamma Q-Q plot

Chromium, Total, MW-06 (mg/L)



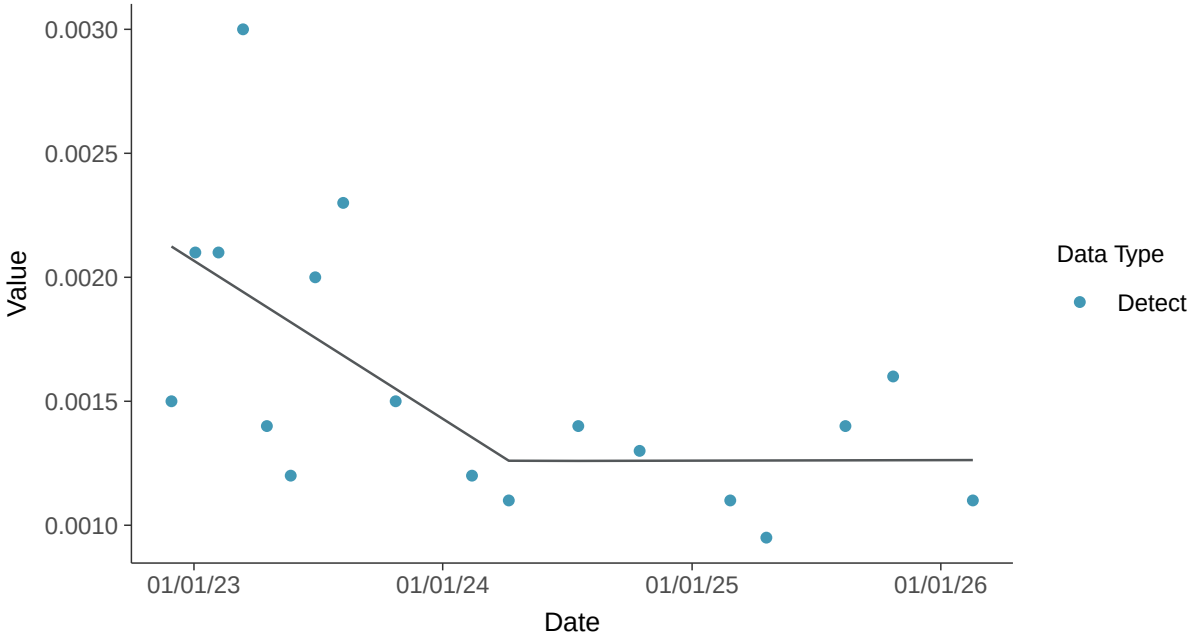
Trend Regression: Lognormal MLE

Chromium, Total, MW-06 (mg/L)



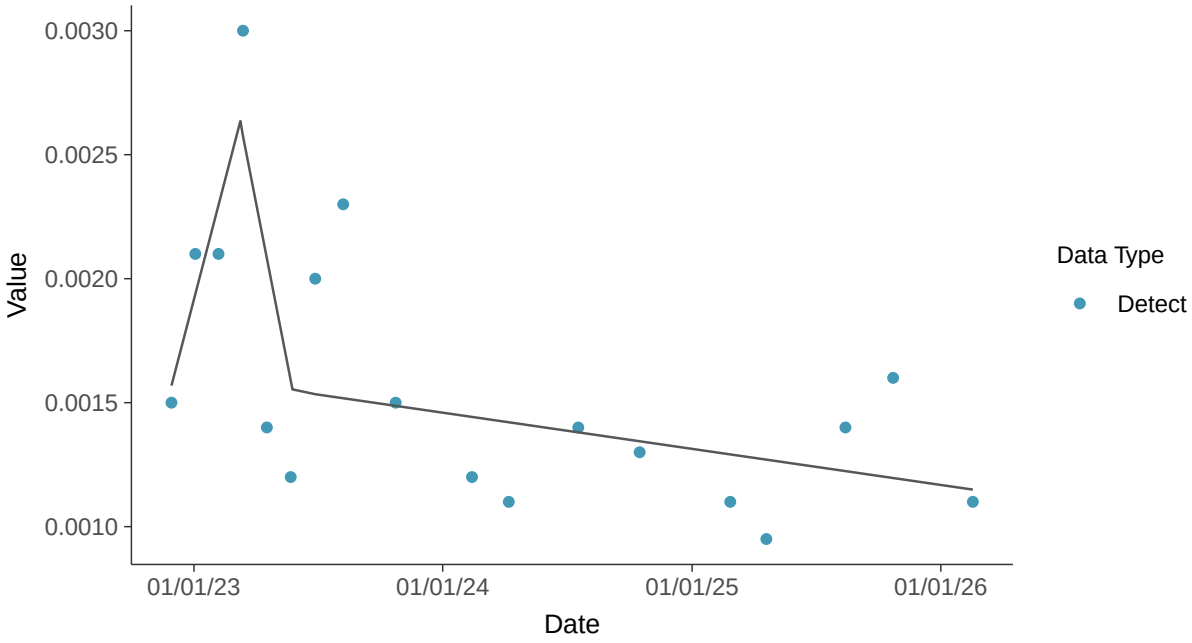
Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-06 (mg/L)



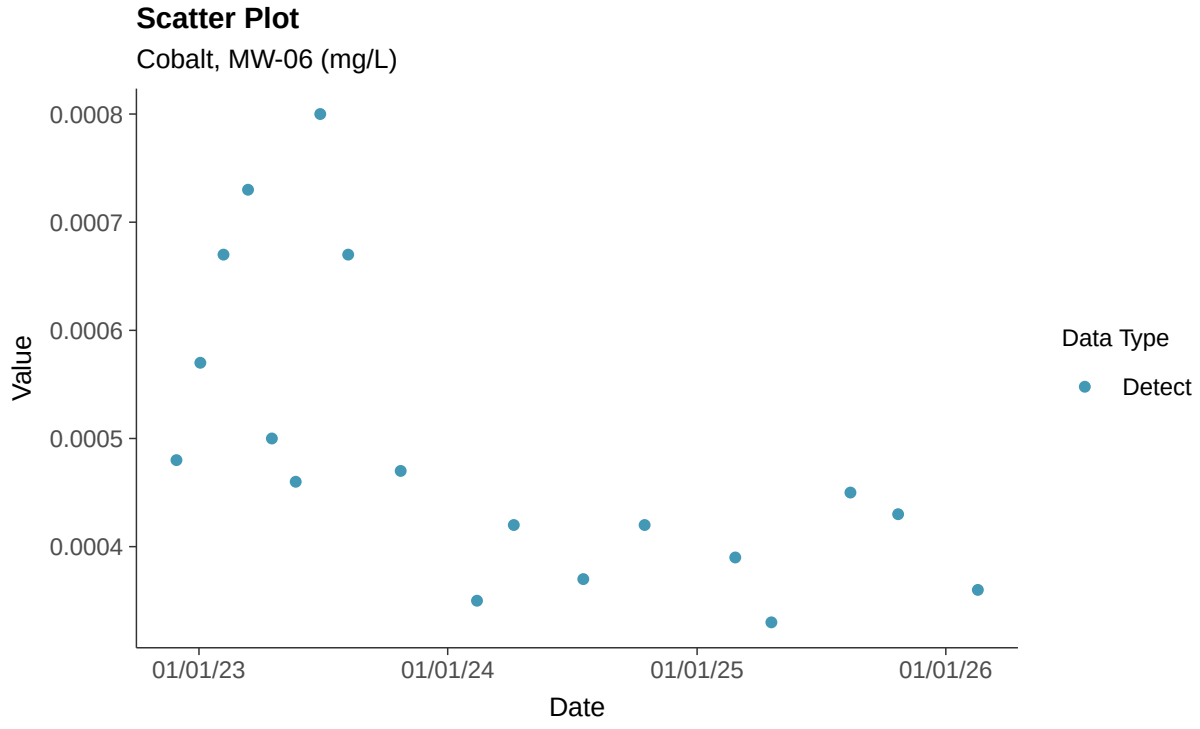
Trend Regression: Piecewise Linear-Linear-Linear

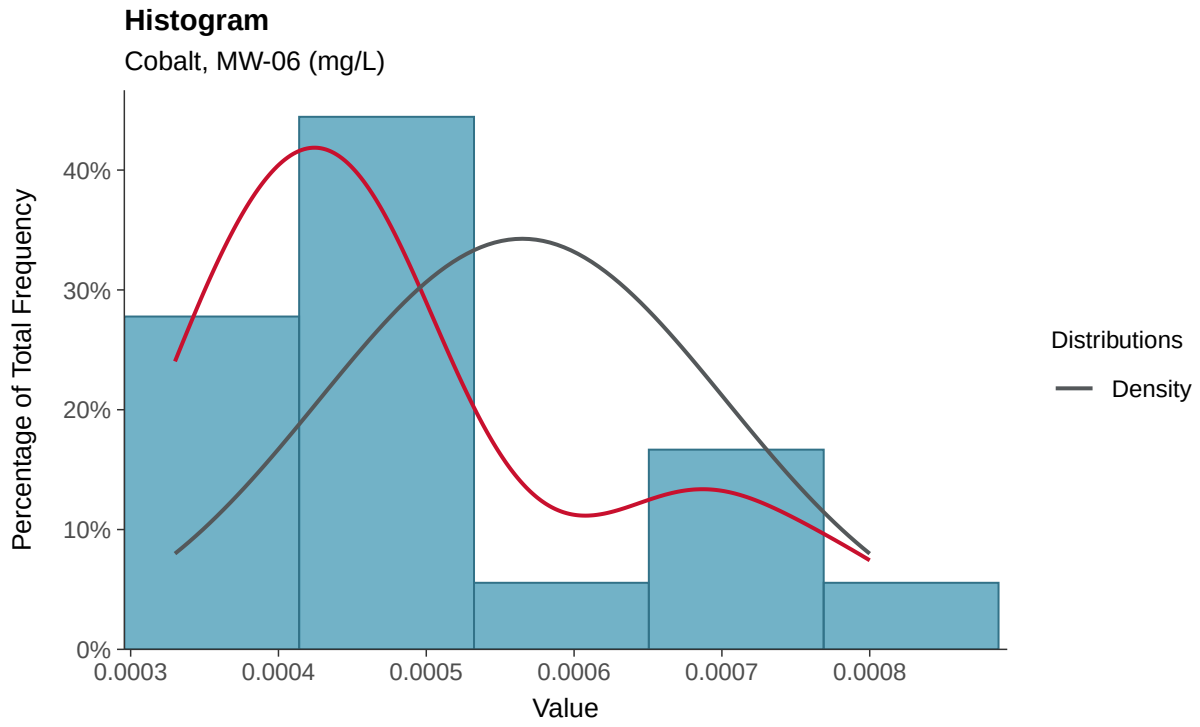
Chromium, Total, MW-06 (mg/L)



Appendix IV: Cobalt, MW-06

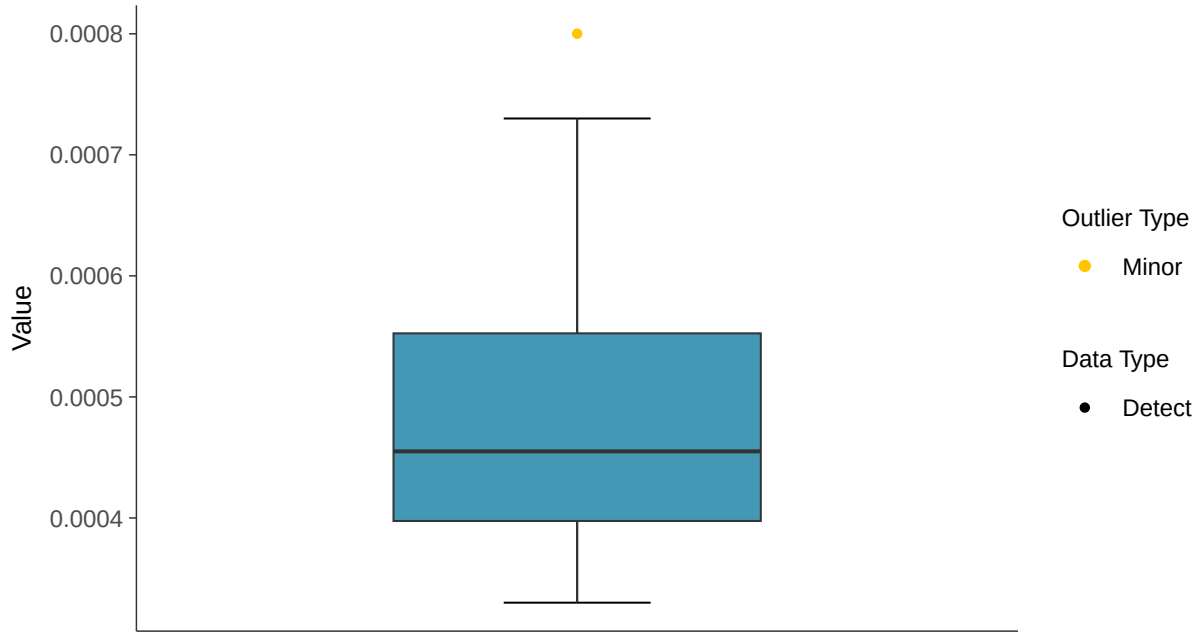
ID: 16_1_4_110





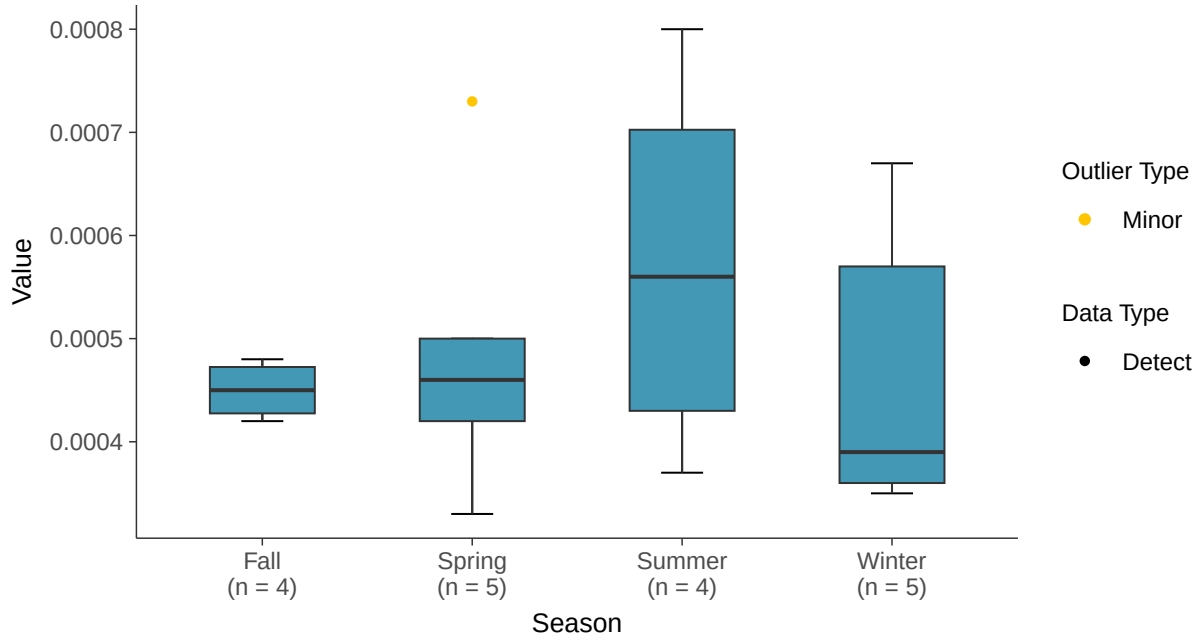
Boxplot

Cobalt, MW-06 (mg/L)



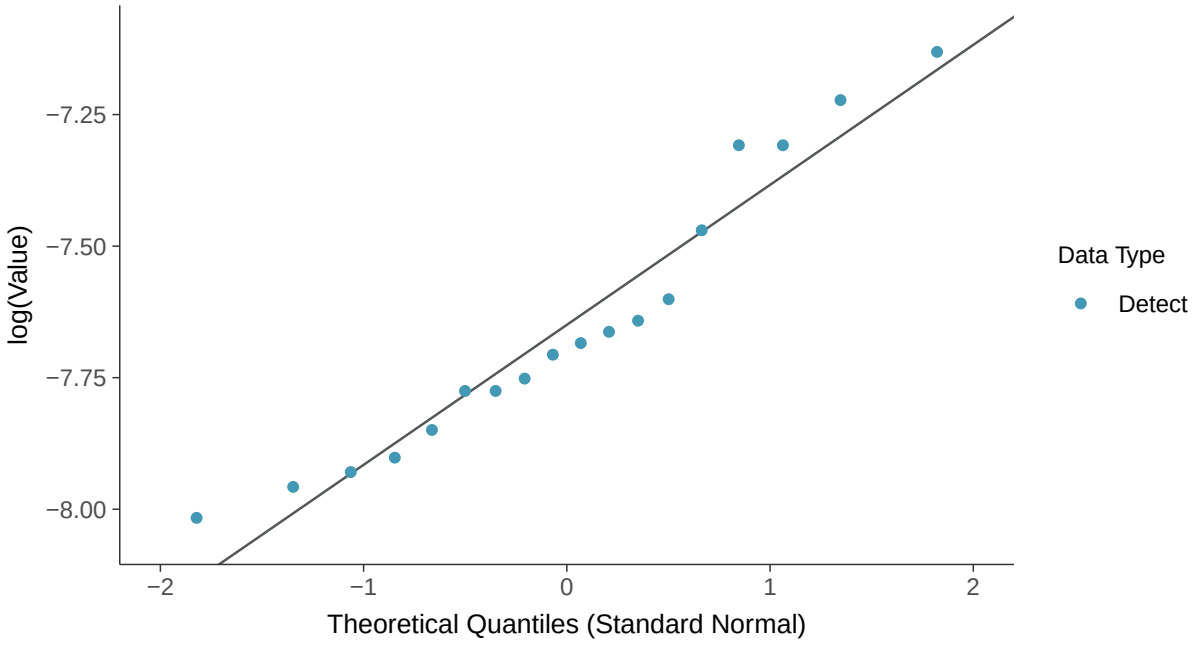
Boxplot by Season

Cobalt, MW-06 (mg/L)



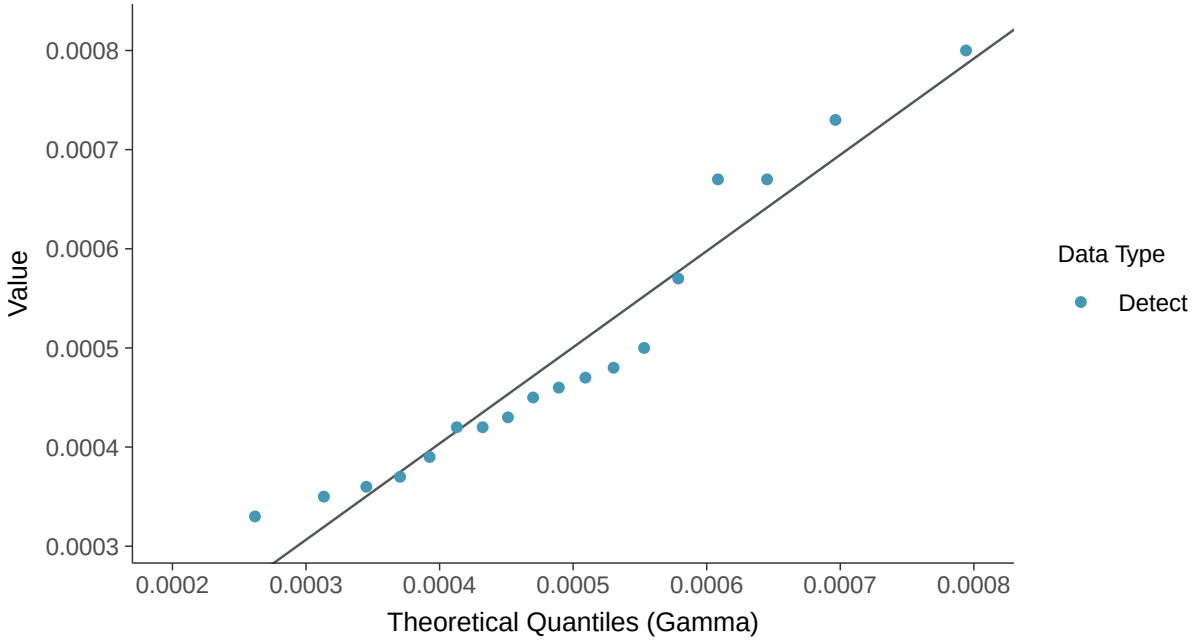
Lognormal Q-Q plot

Cobalt, MW-06 (mg/L)



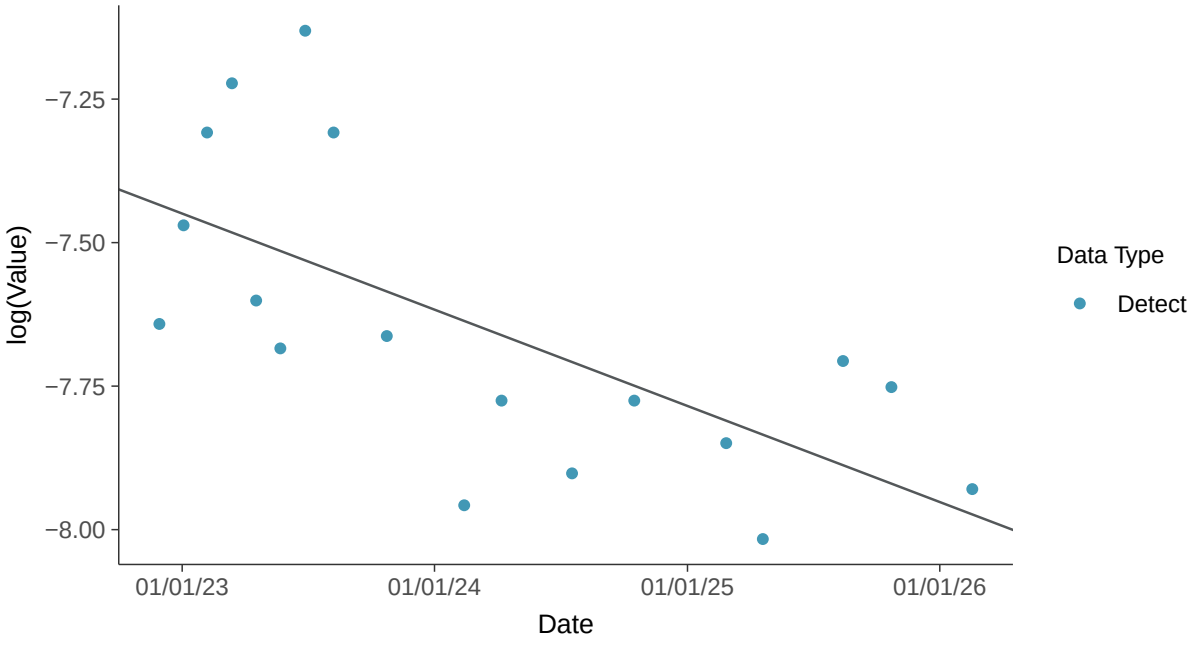
Gamma Q-Q plot

Cobalt, MW-06 (mg/L)



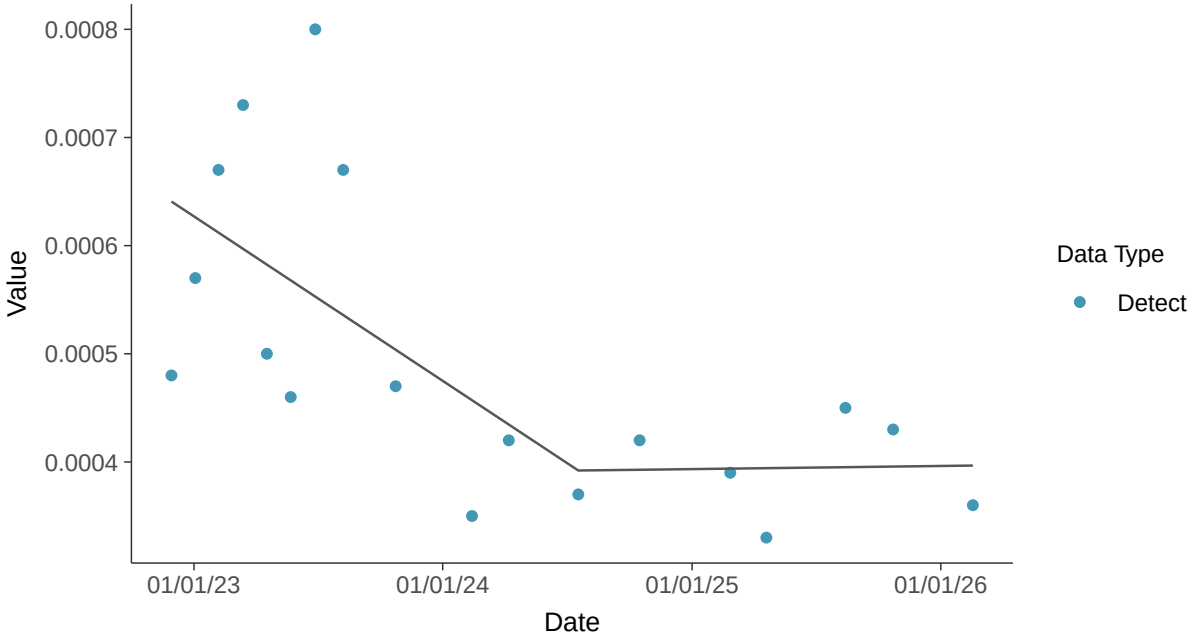
Trend Regression: Lognormal MLE

Cobalt, MW-06 (mg/L)



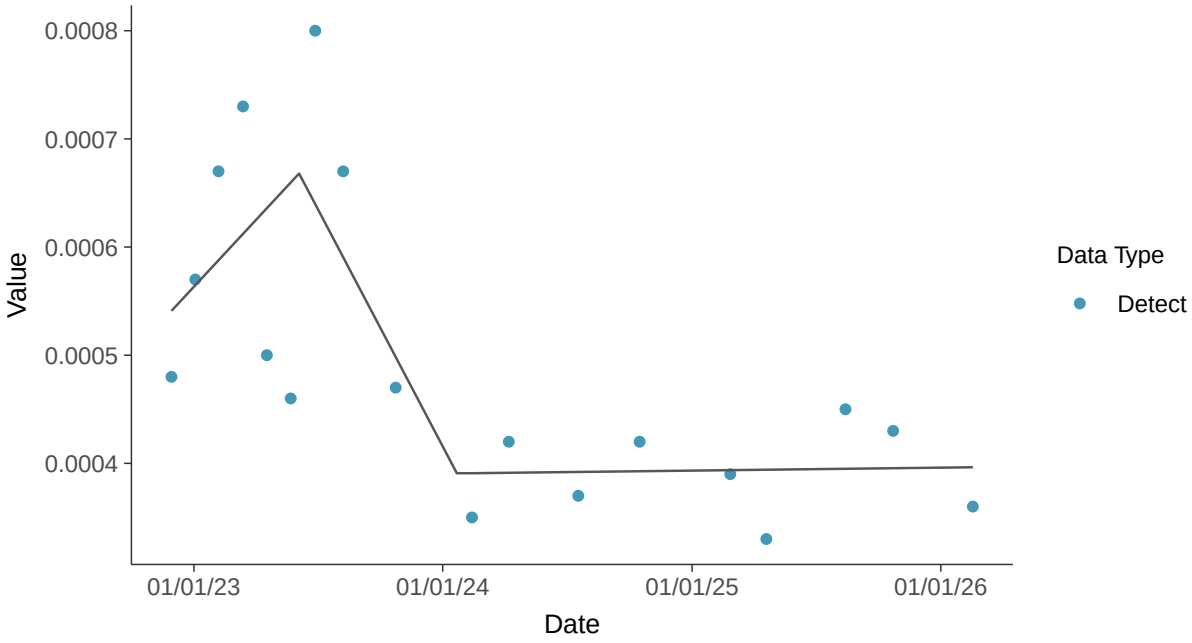
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-06 (mg/L)



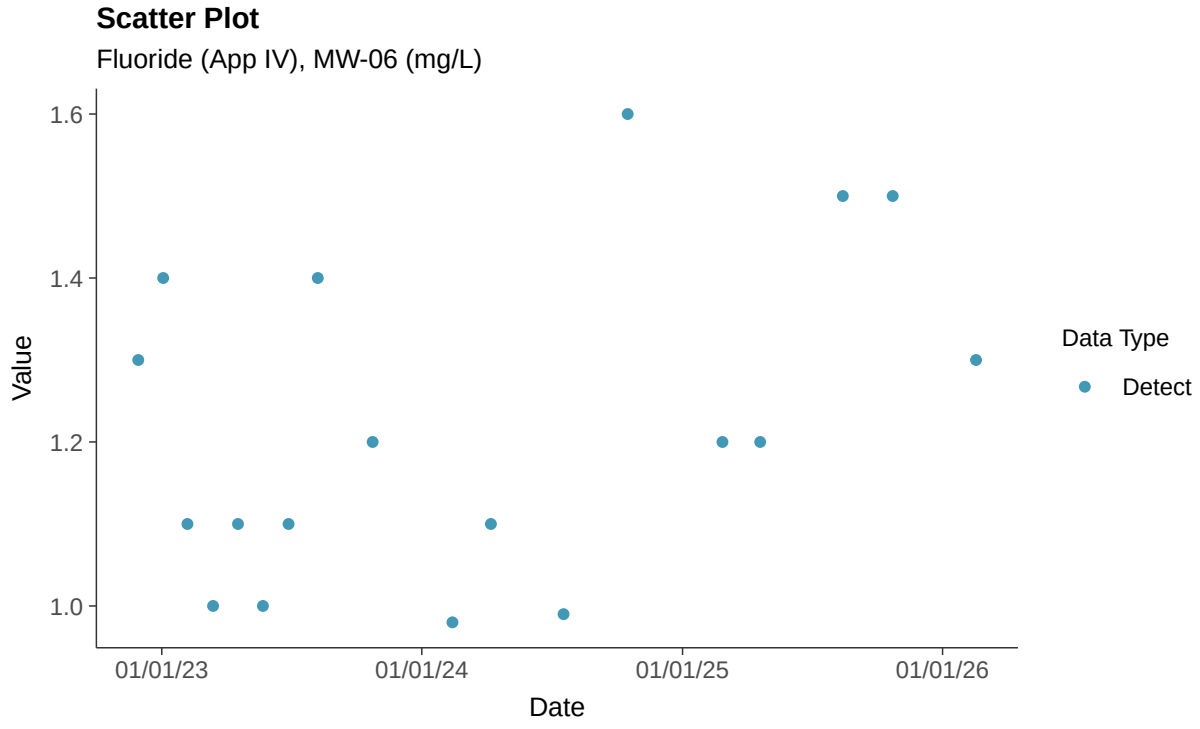
Trend Regression: Piecewise Linear-Linear-Linear

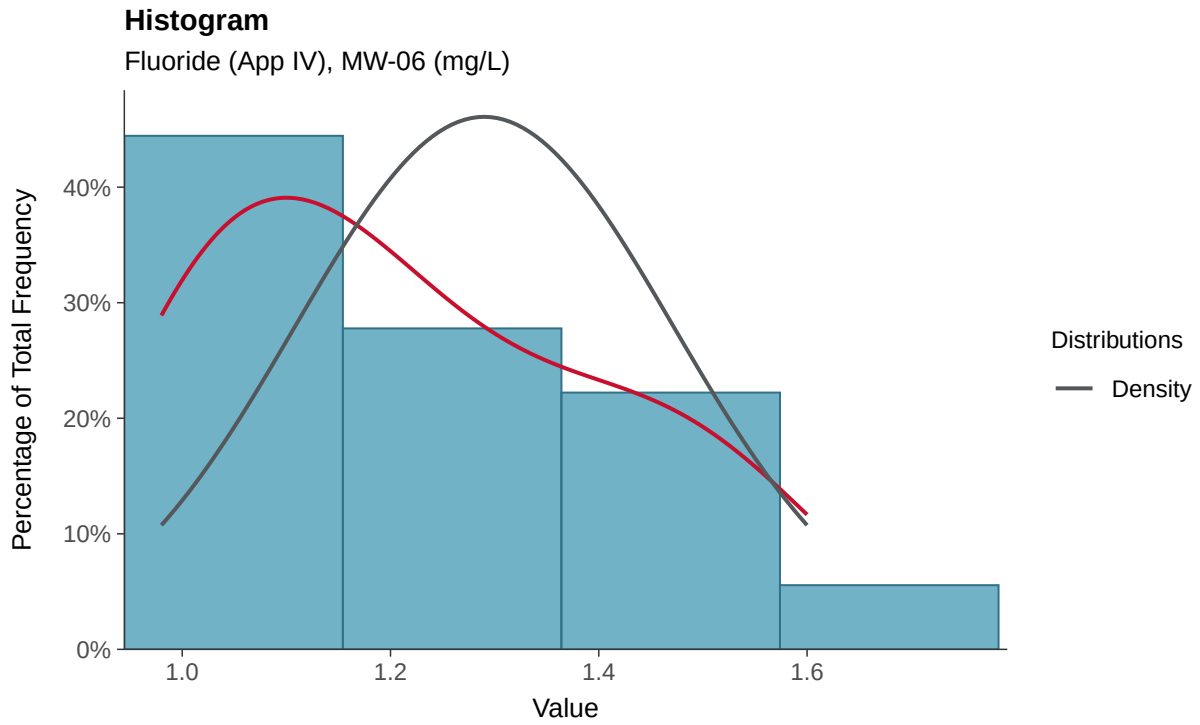
Cobalt, MW-06 (mg/L)



Appendix IV: Fluoride (App IV), MW-06

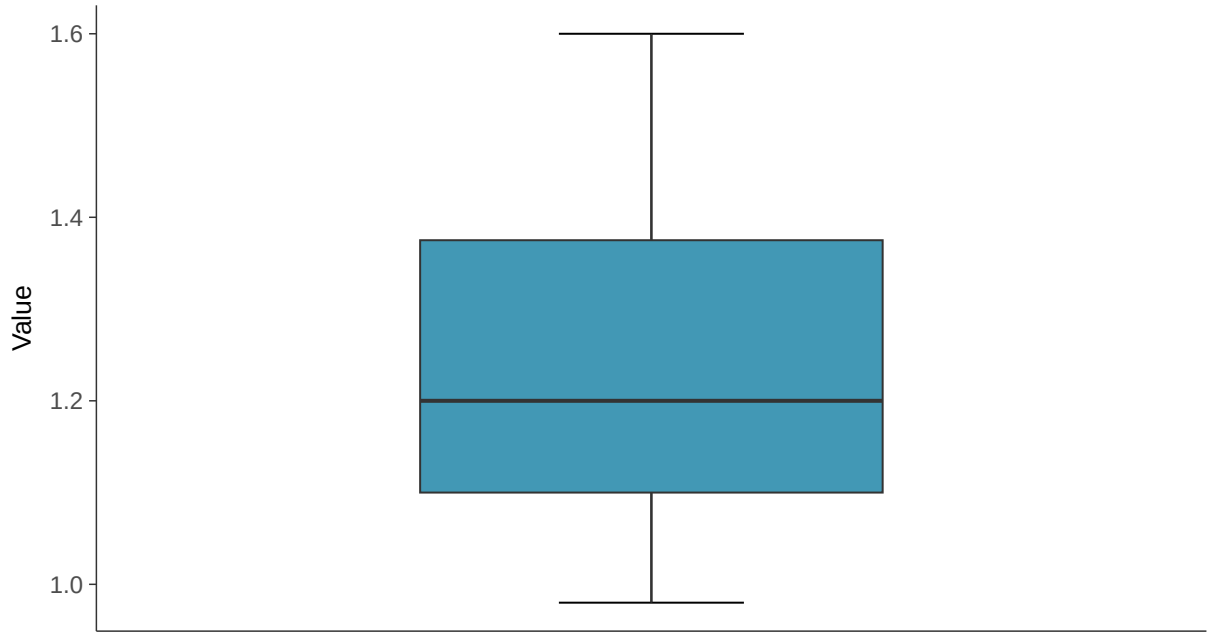
ID: 16_1_4_113





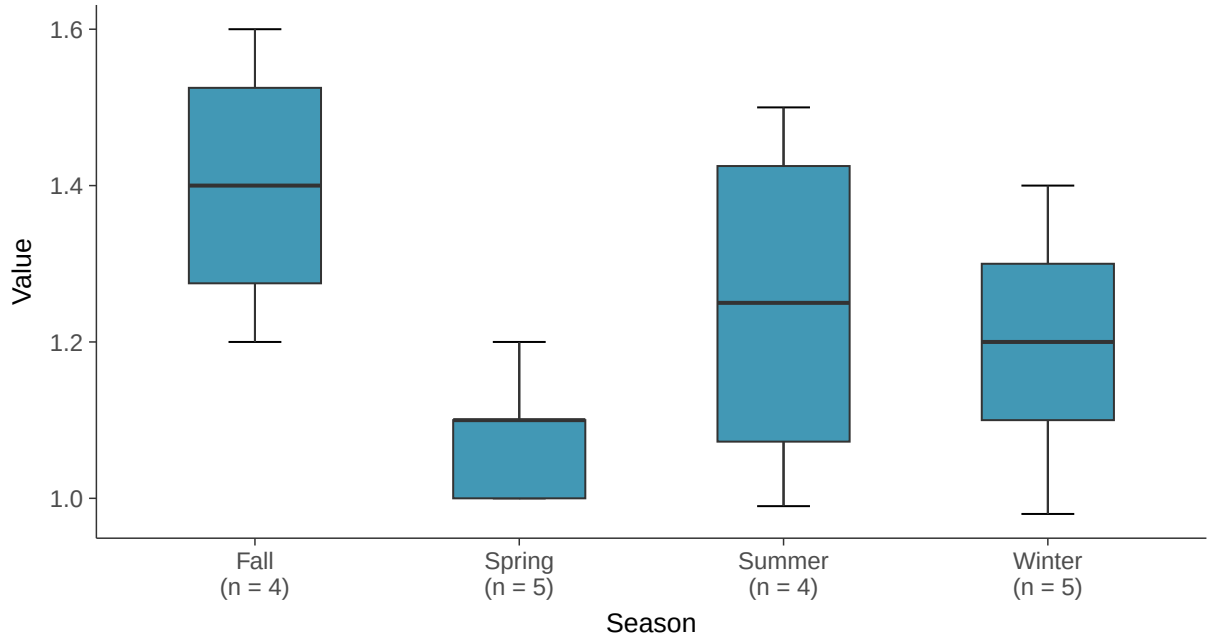
Boxplot

Fluoride (App IV), MW-06 (mg/L)



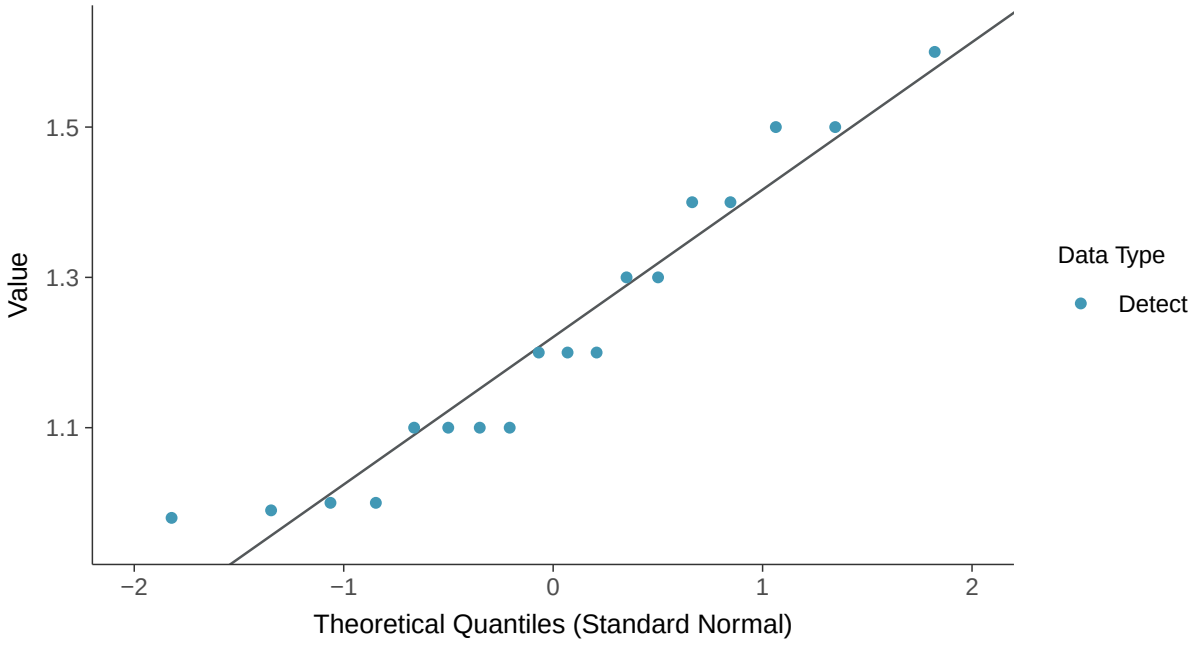
Boxplot by Season

Fluoride (App IV), MW-06 (mg/L)



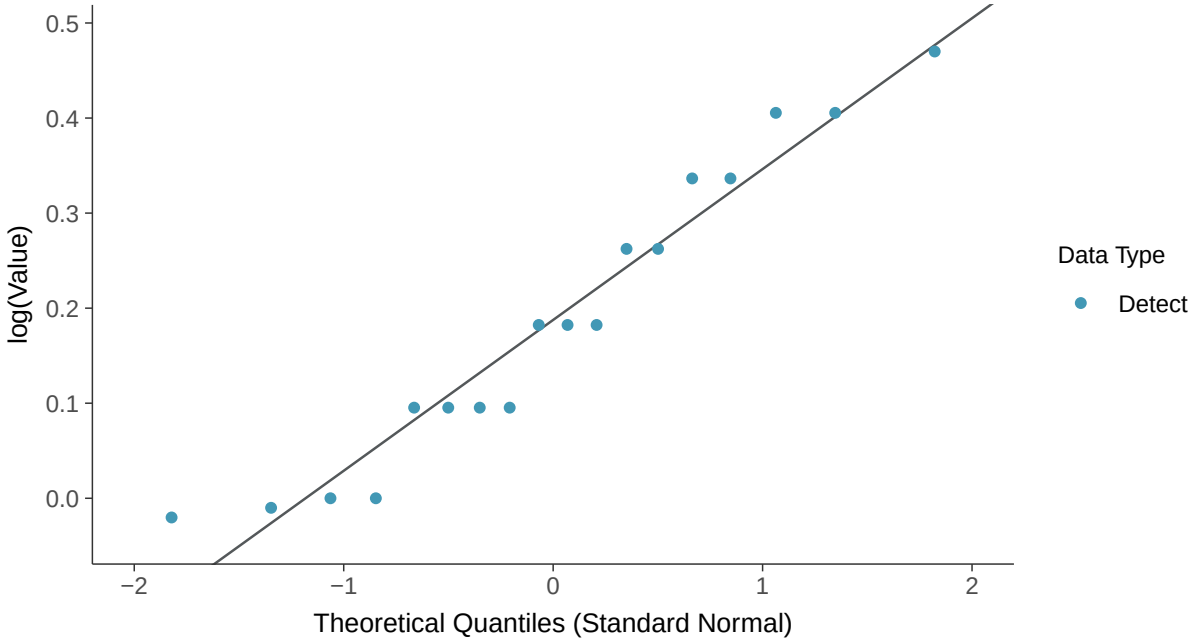
Normal Q-Q plot

Fluoride (App IV), MW-06 (mg/L)



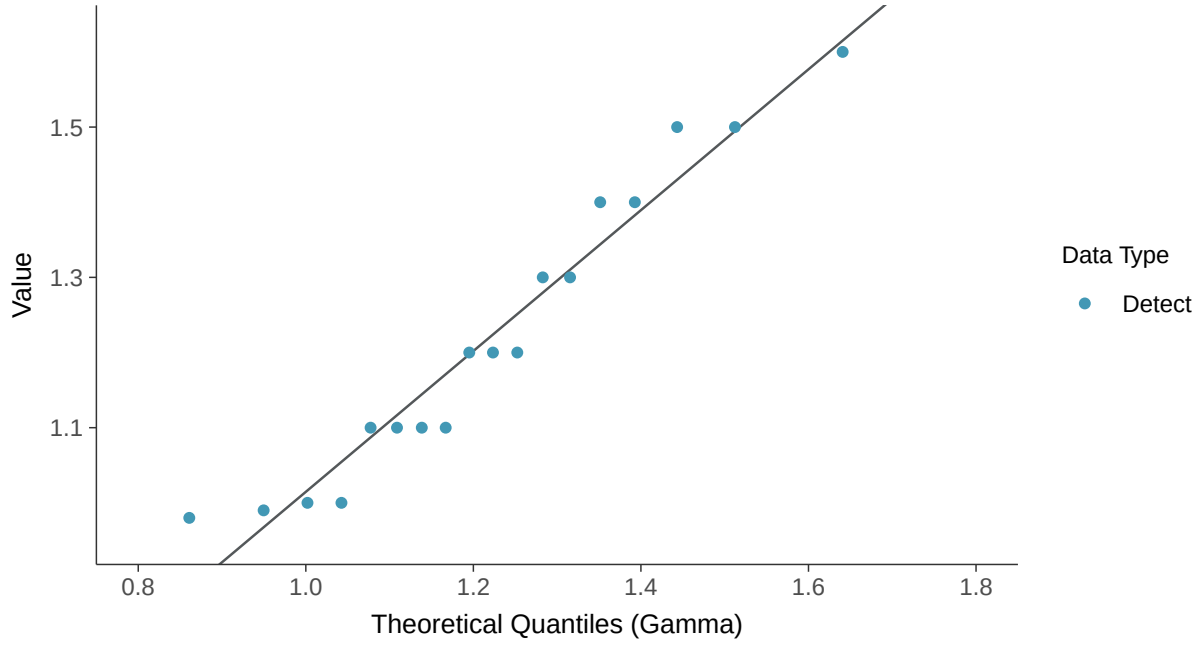
Lognormal Q-Q plot

Fluoride (App IV), MW-06 (mg/L)



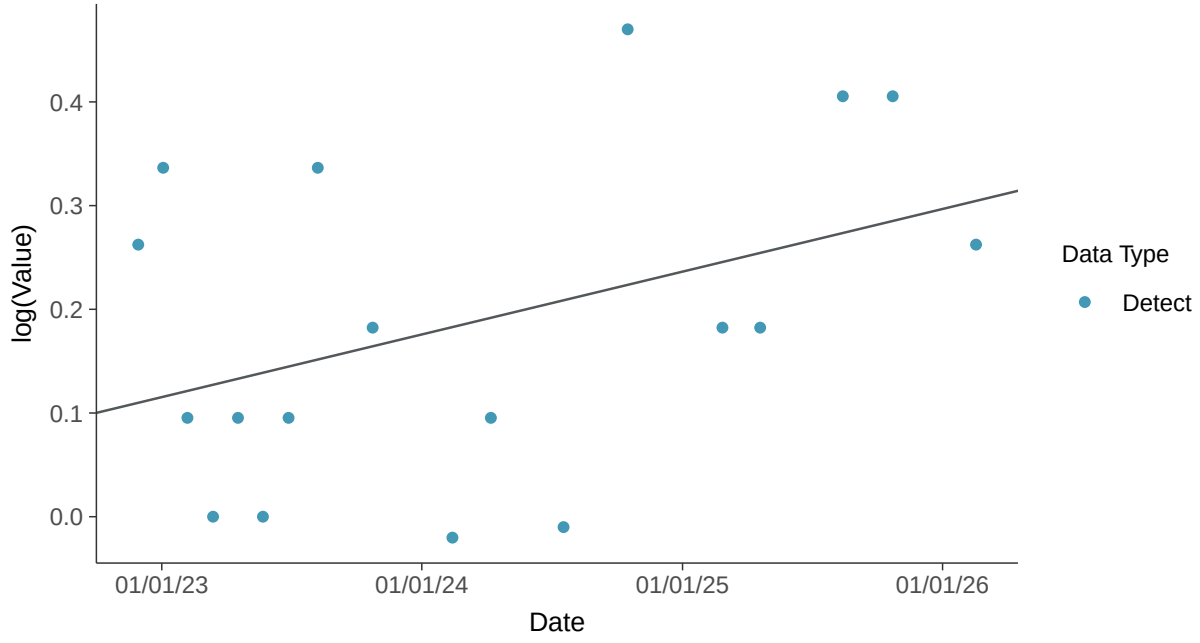
Gamma Q-Q plot

Fluoride (App IV), MW-06 (mg/L)



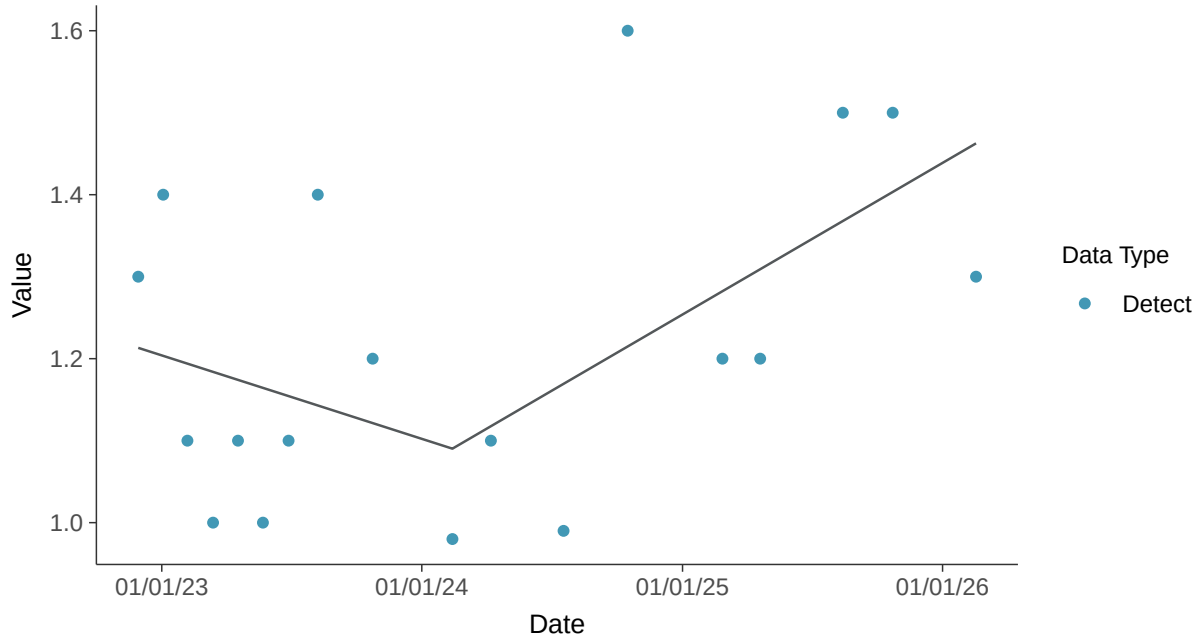
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-06 (mg/L)



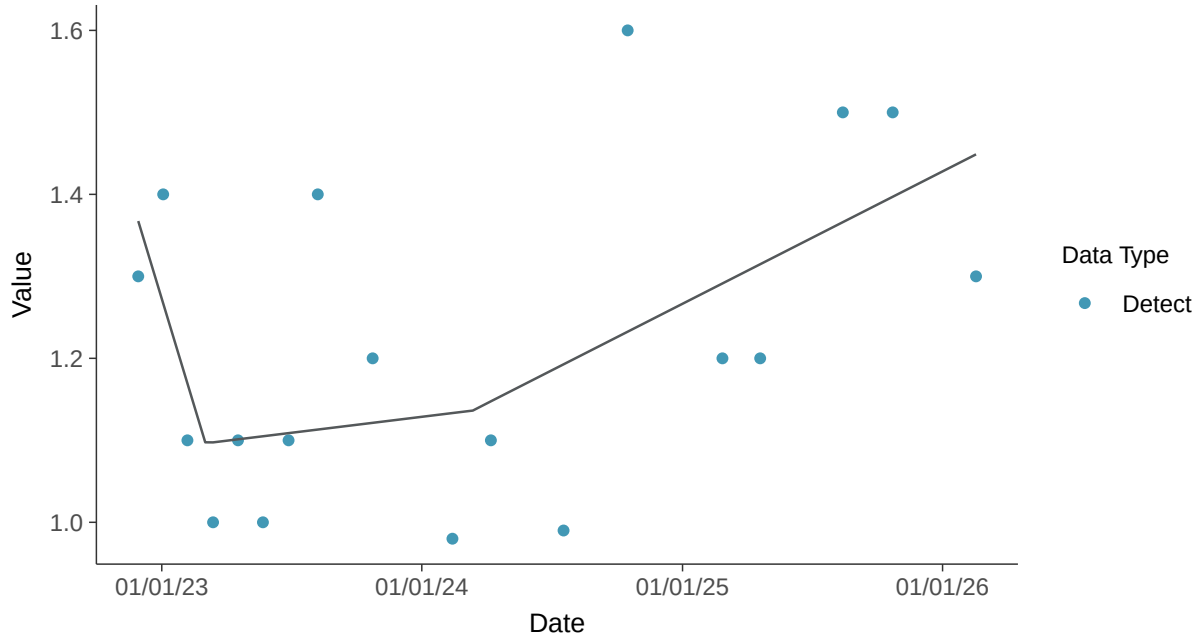
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-06 (mg/L)



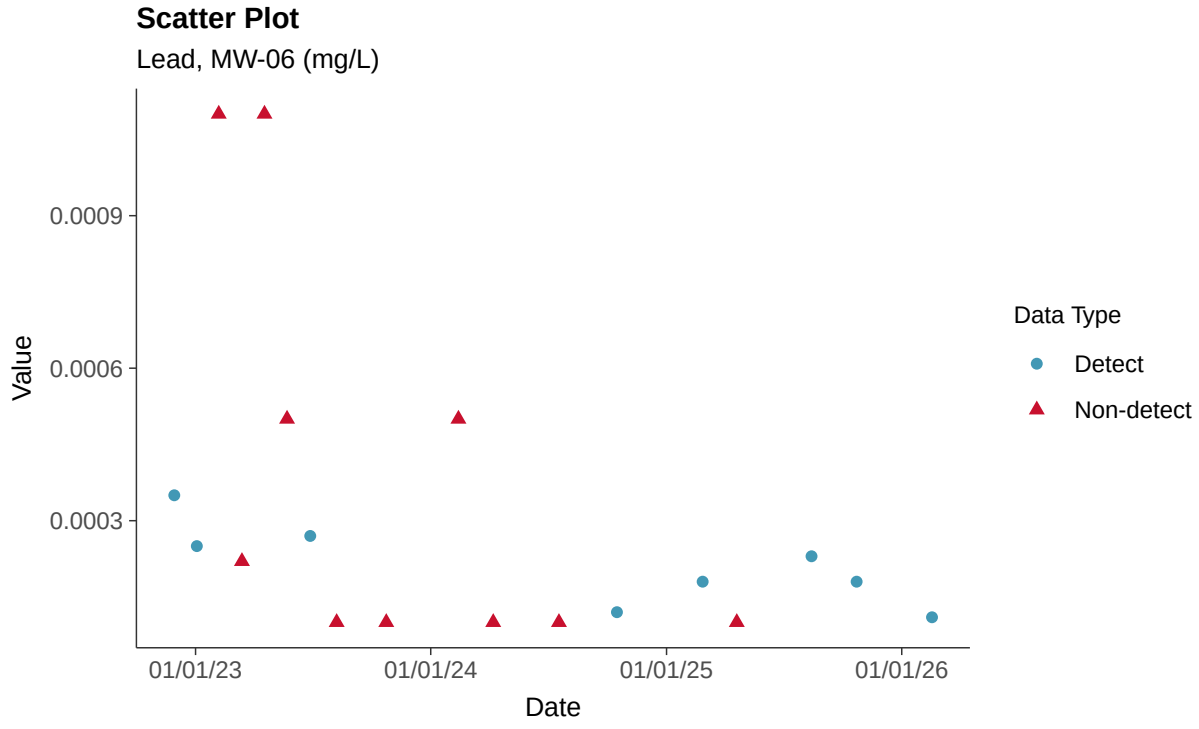
Trend Regression: Piecewise Linear-Linear-Linear

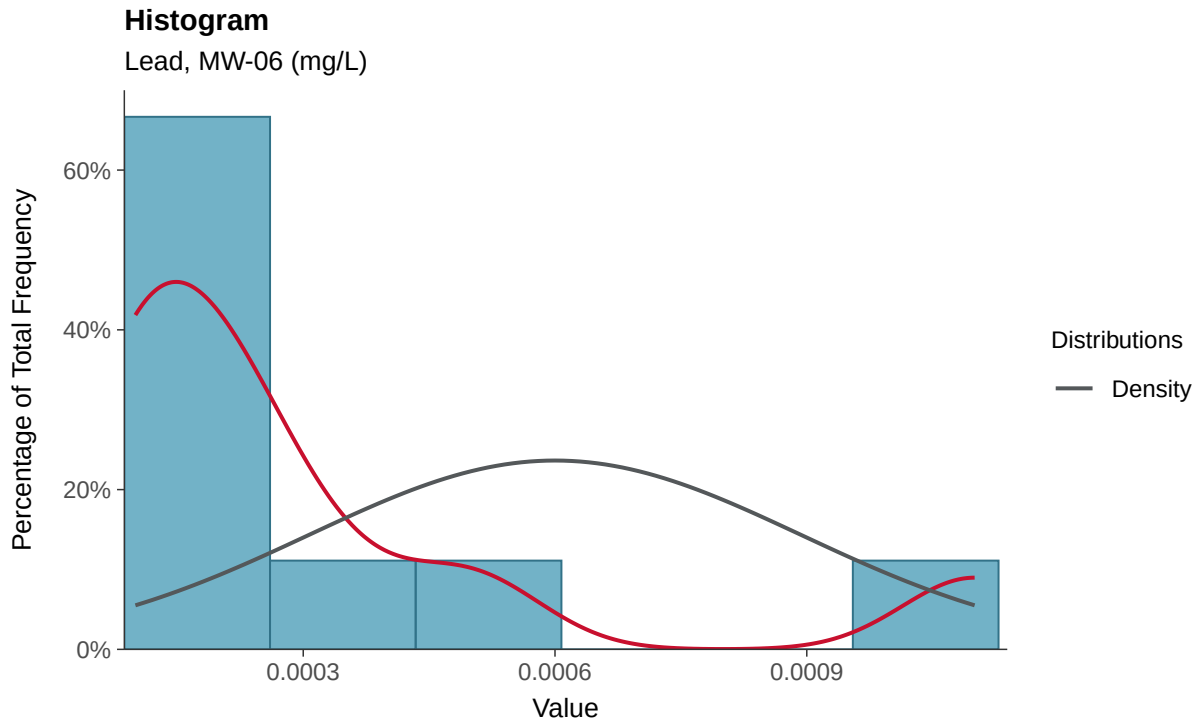
Fluoride (App IV), MW-06 (mg/L)



Appendix IV: Lead, MW-06

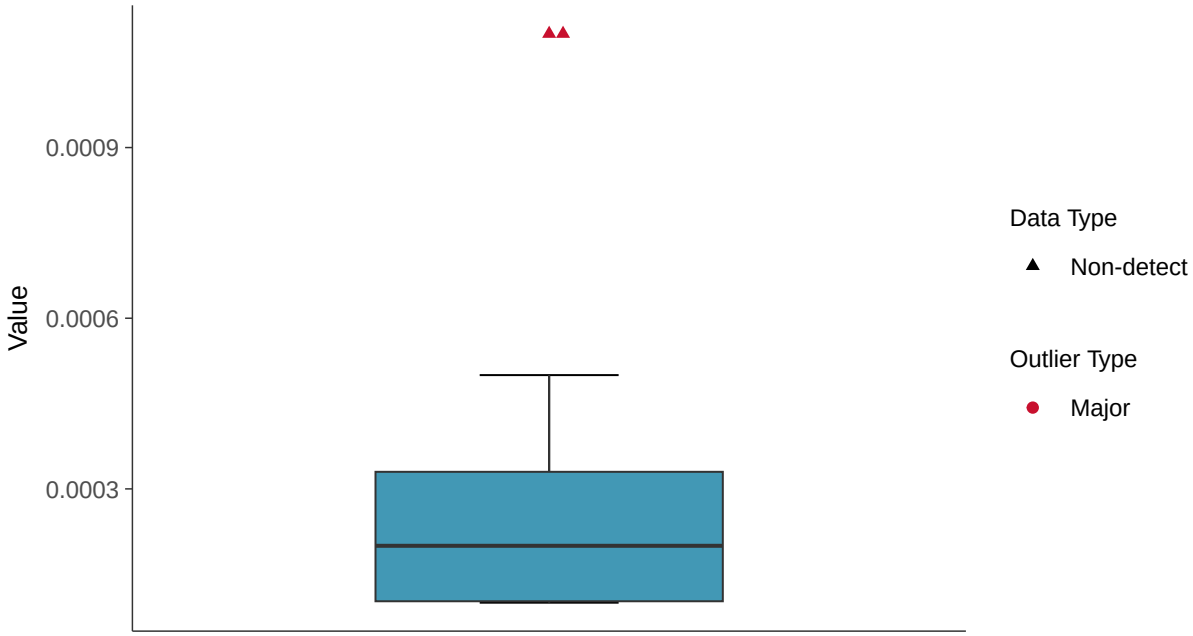
ID: 16_1_4_115





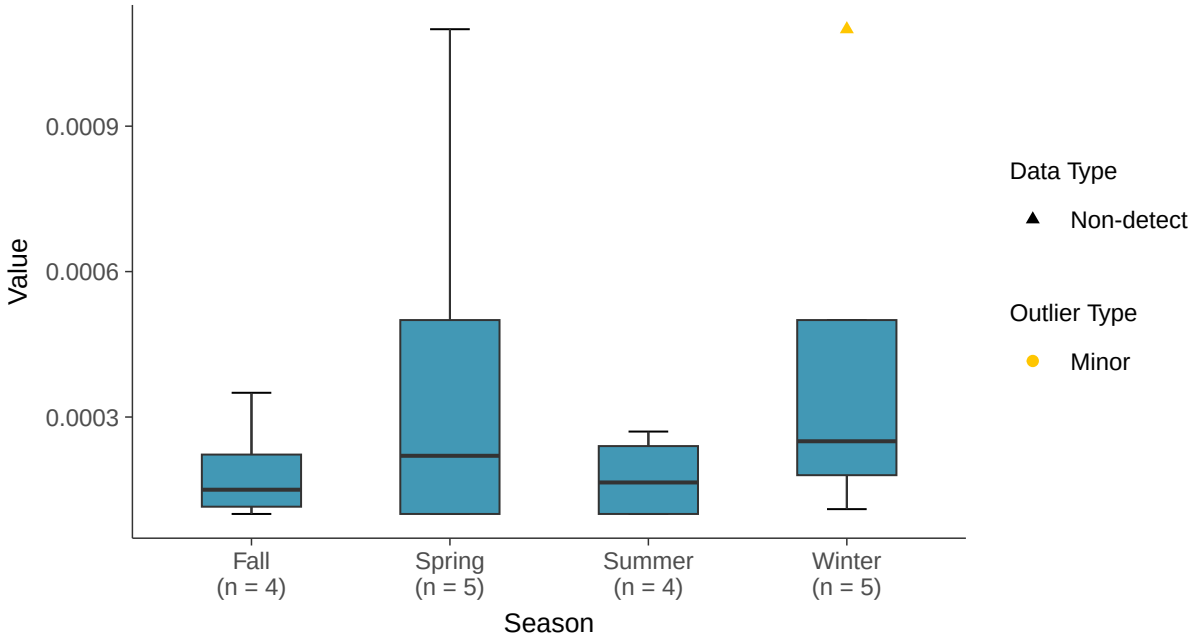
Boxplot

Lead, MW-06 (mg/L)



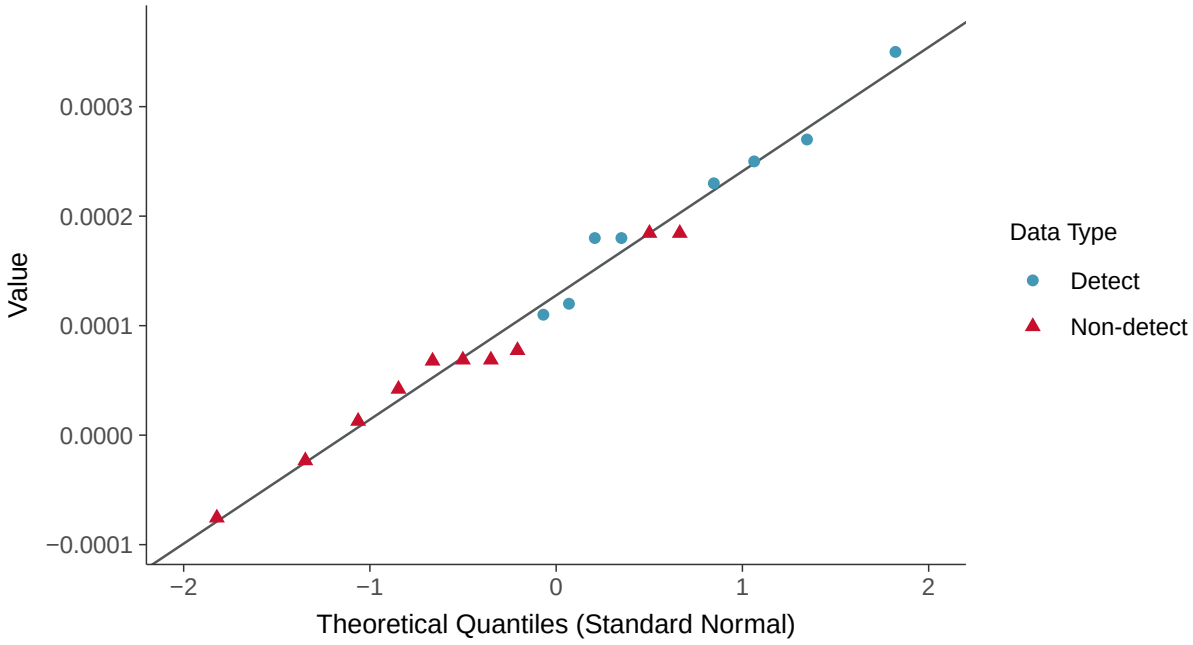
Boxplot by Season

Lead, MW-06 (mg/L)



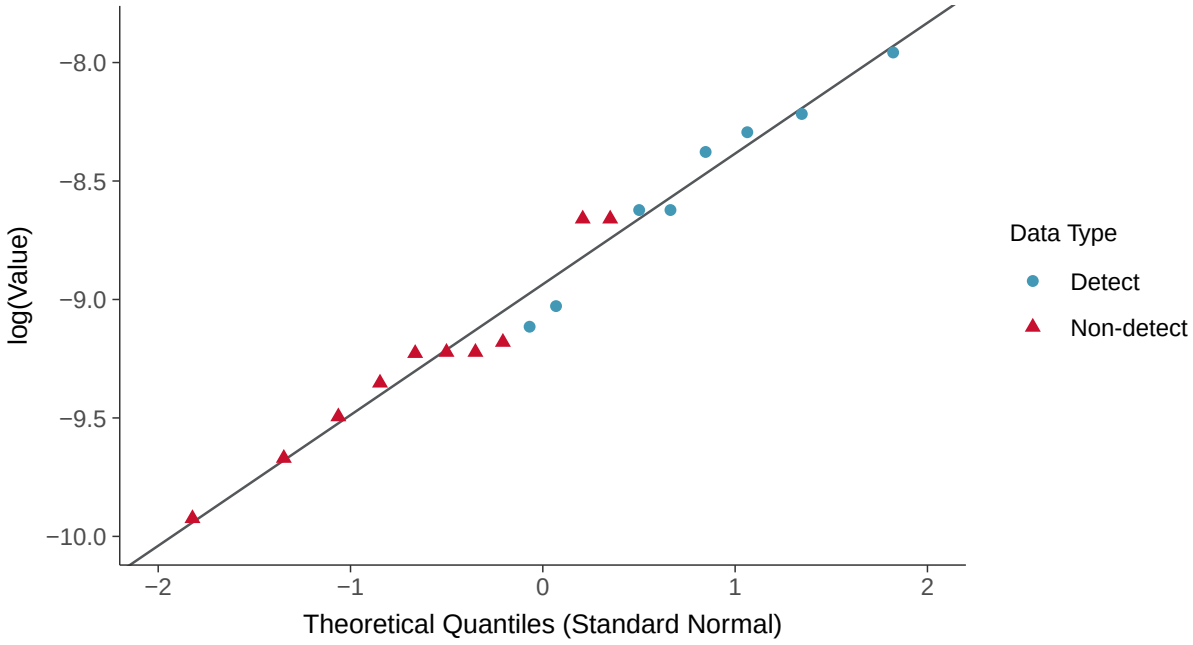
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-06 (mg/L)



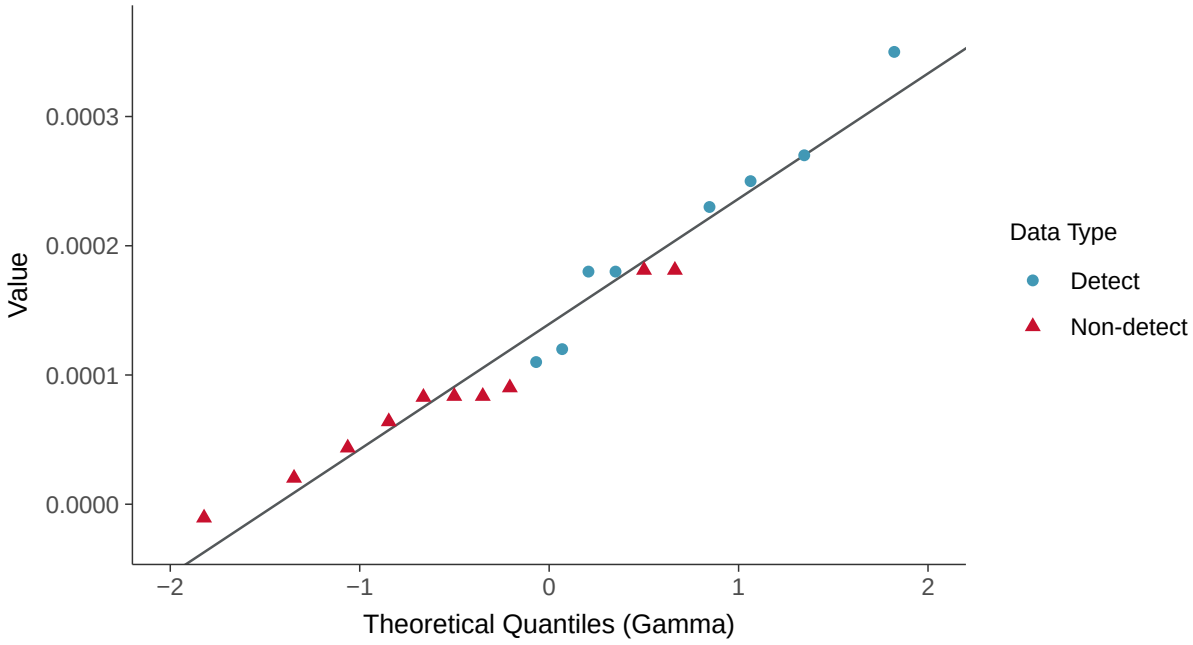
Lognormal Q-Q plot using ROS Imputed Estimates

Lead, MW-06 (mg/L)



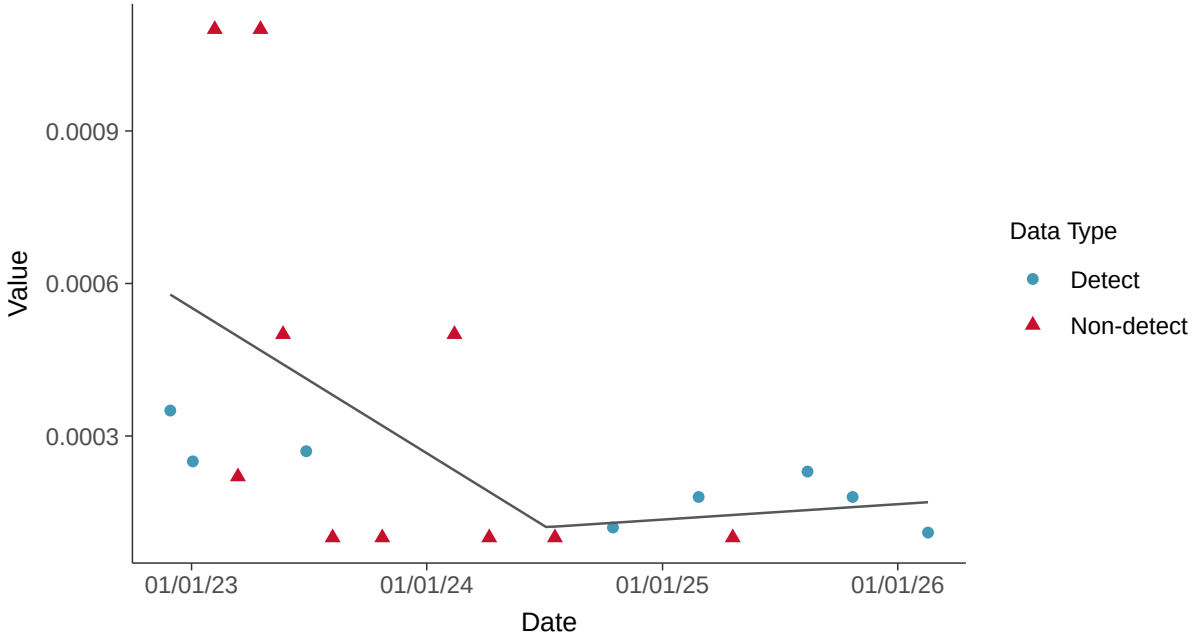
Gamma Q-Q plot using ROS Imputed Estimates

Lead, MW-06 (mg/L)



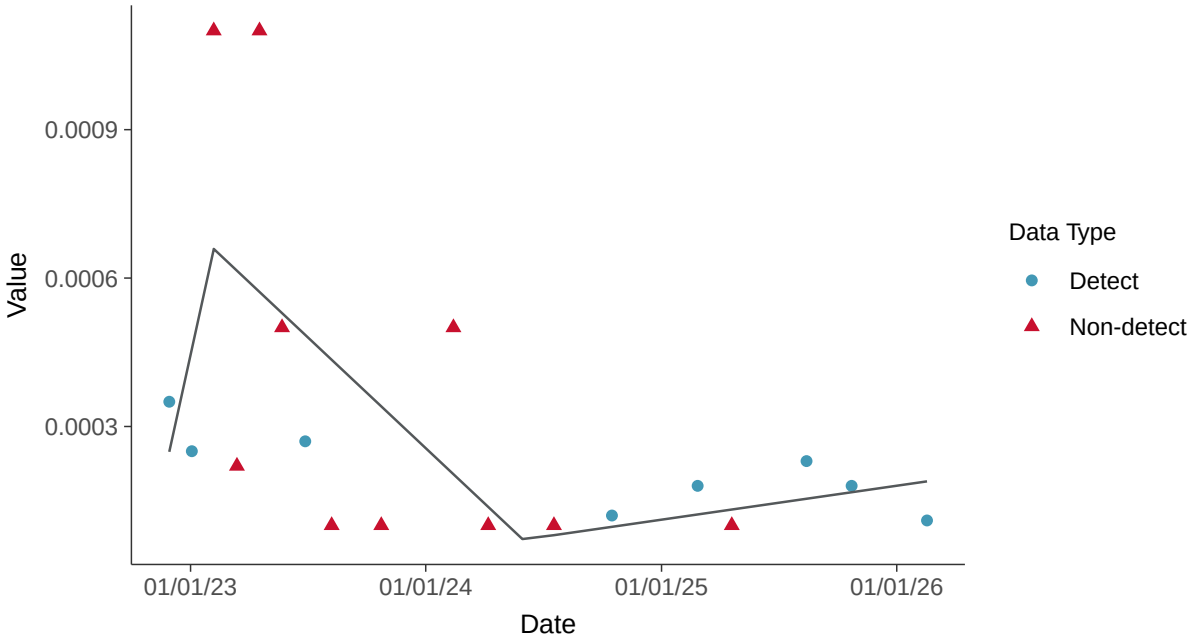
Trend Regression: Piecewise Linear-Linear

Lead, MW-06 (mg/L)



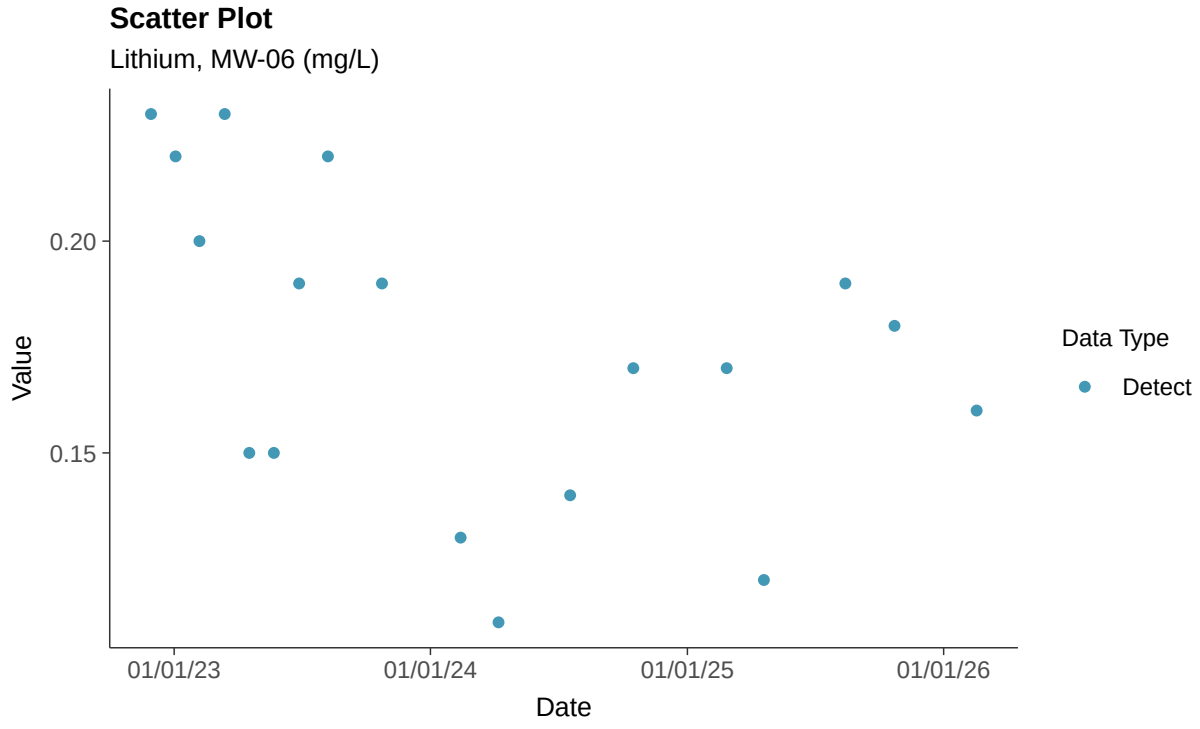
Trend Regression: Piecewise Linear-Linear-Linear

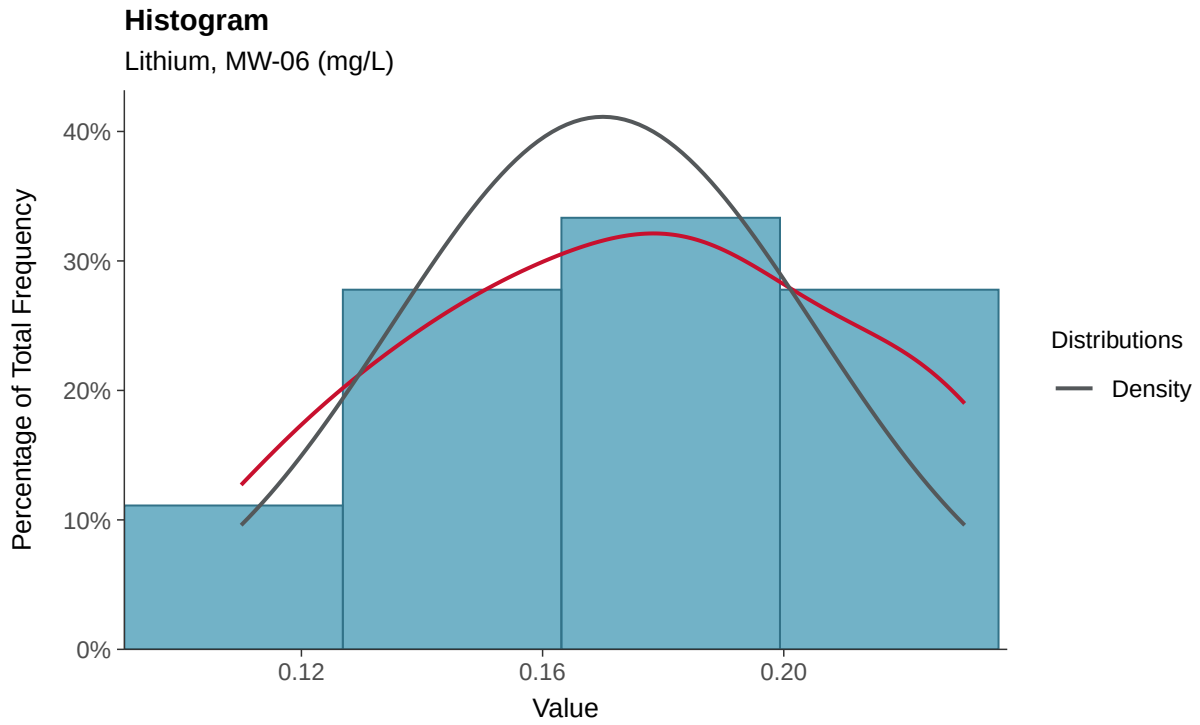
Lead, MW-06 (mg/L)



Appendix IV: Lithium, MW-06

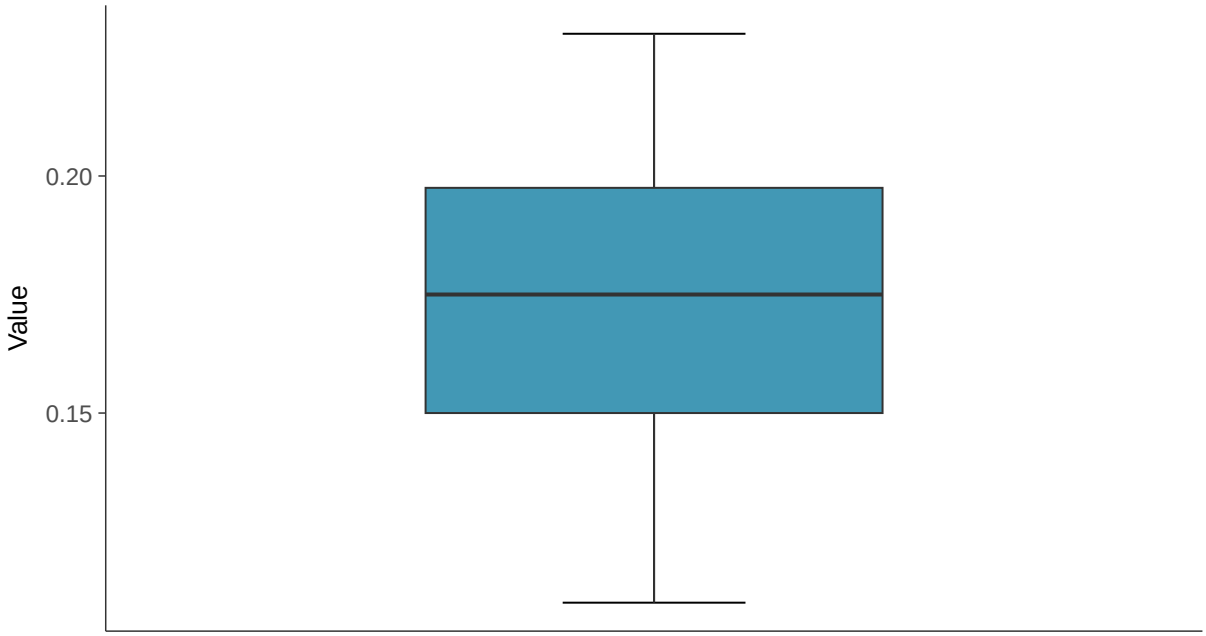
ID: 16_1_4_116





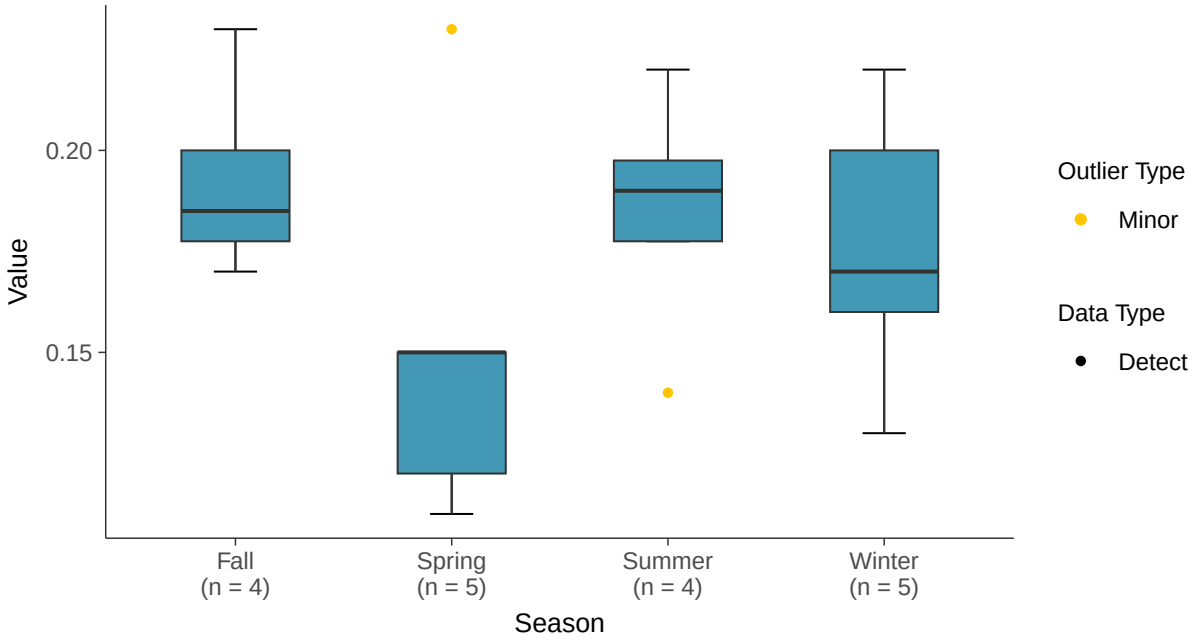
Boxplot

Lithium, MW-06 (mg/L)



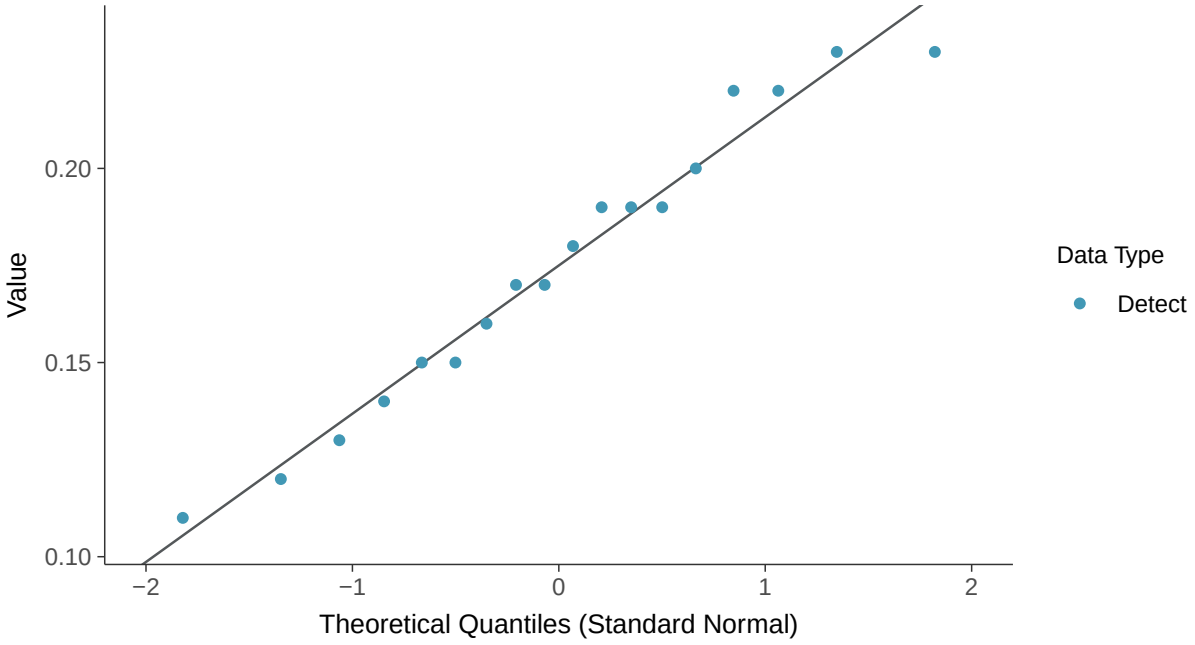
Boxplot by Season

Lithium, MW-06 (mg/L)



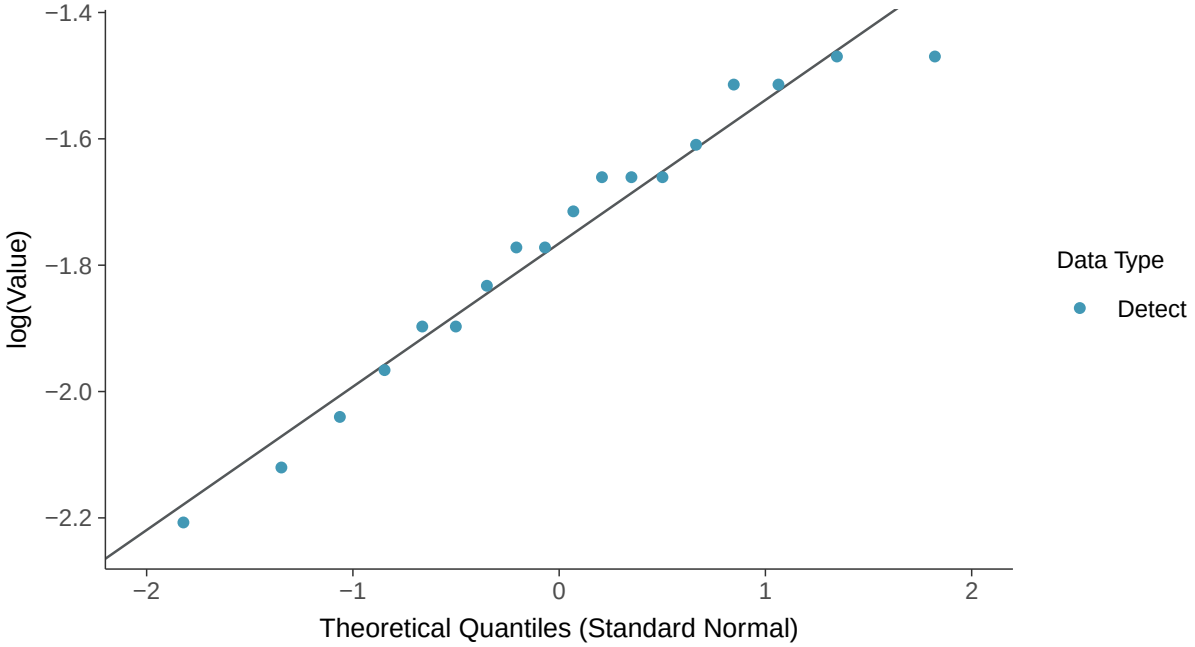
Normal Q-Q plot

Lithium, MW-06 (mg/L)



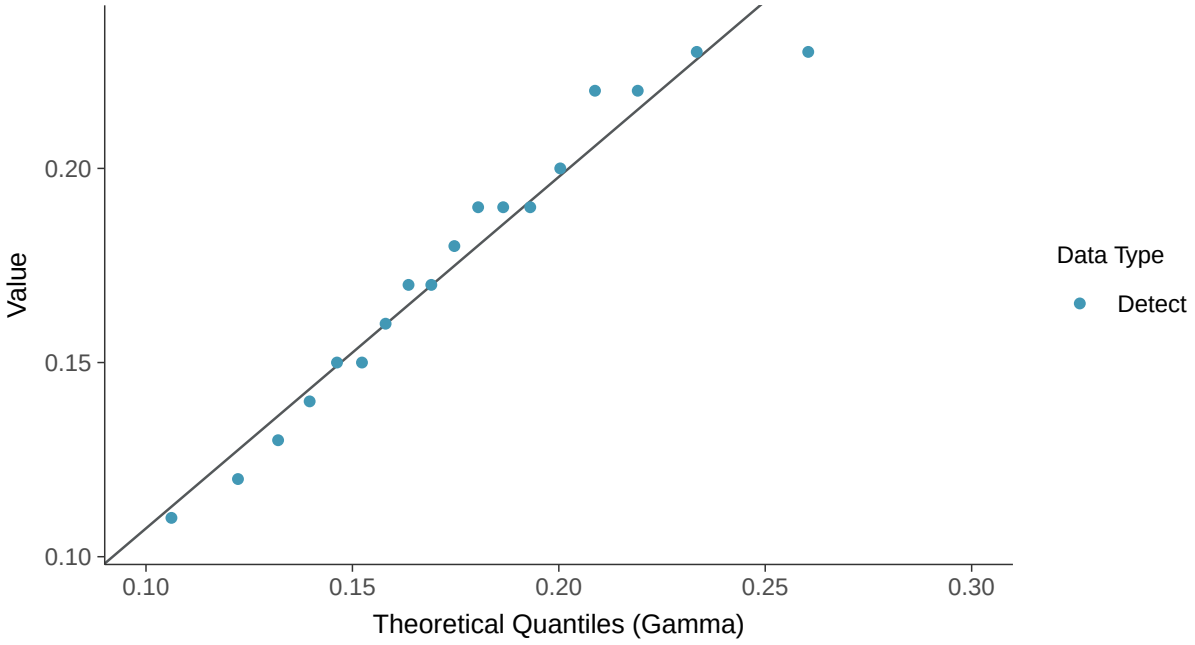
Lognormal Q-Q plot

Lithium, MW-06 (mg/L)



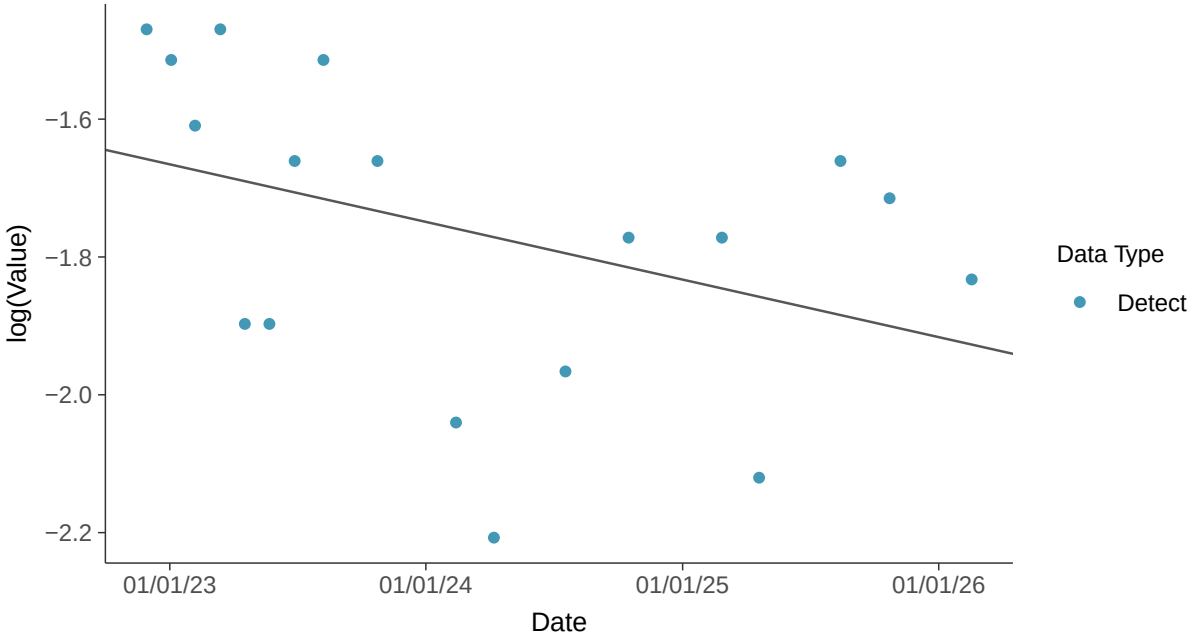
Gamma Q-Q plot

Lithium, MW-06 (mg/L)



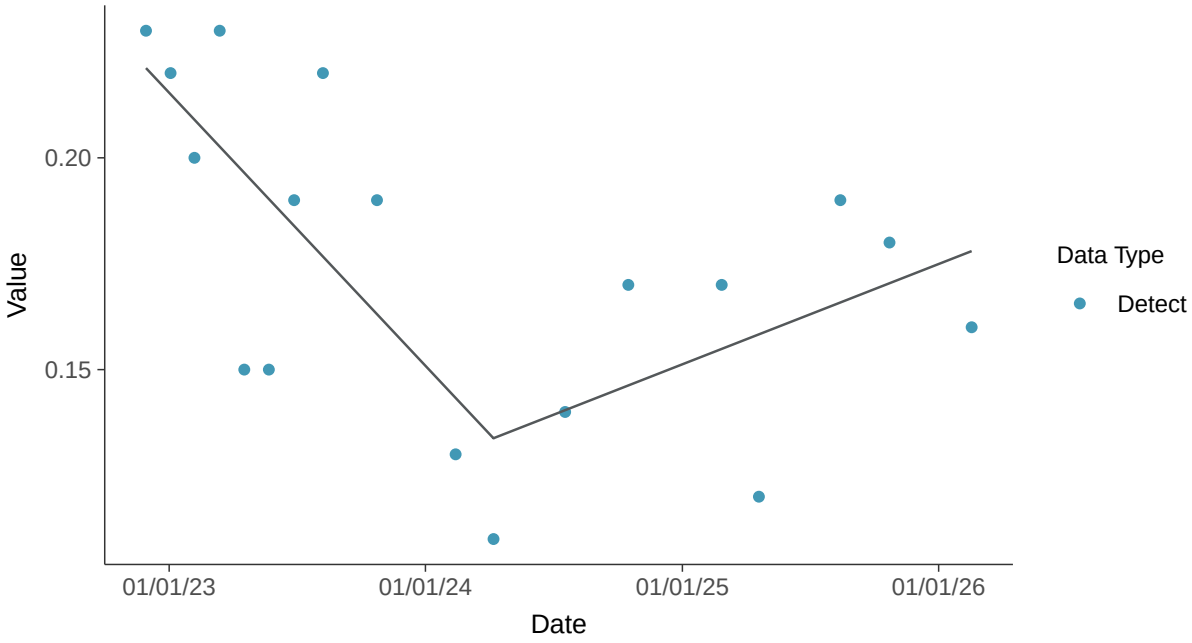
Trend Regression: Lognormal MLE

Lithium, MW-06 (mg/L)



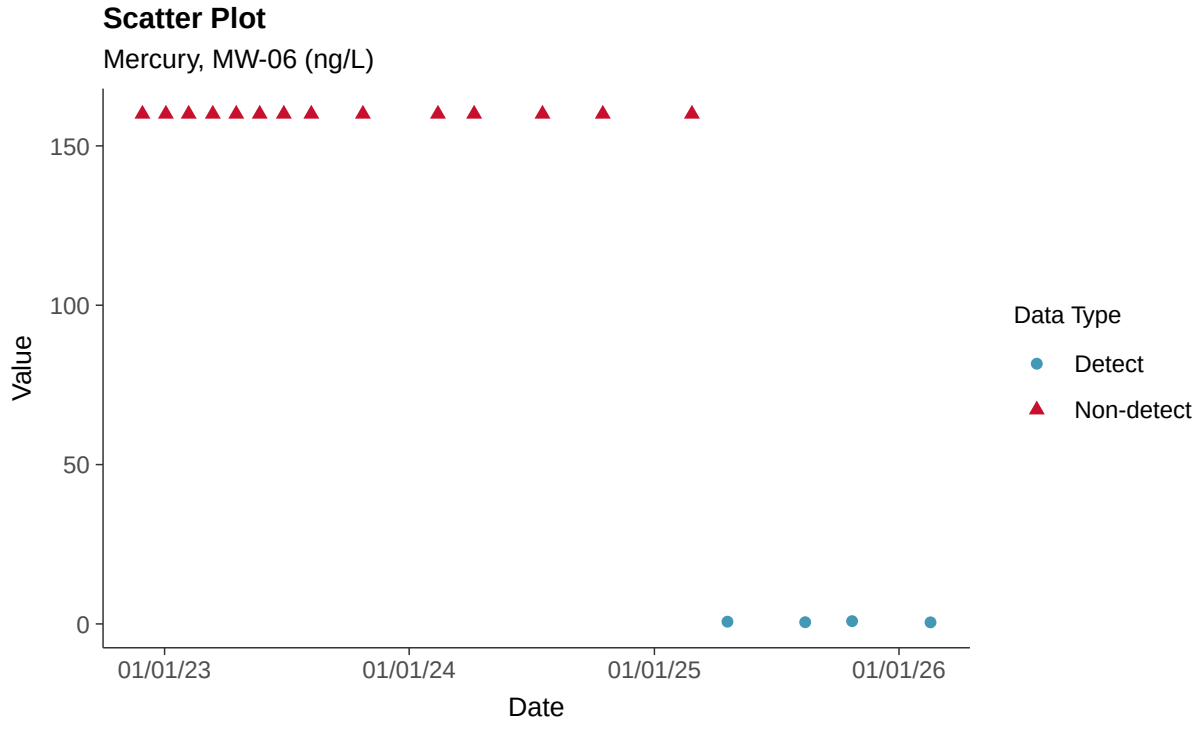
Trend Regression: Piecewise Linear-Linear

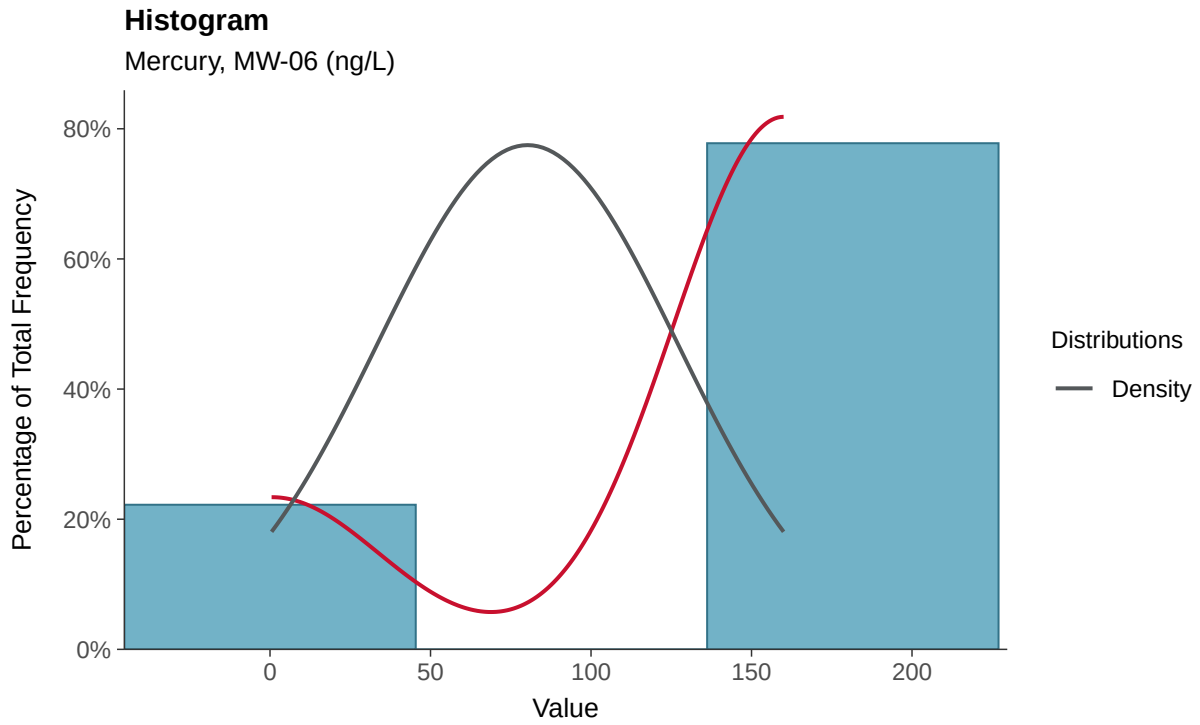
Lithium, MW-06 (mg/L)



Appendix IV: Mercury, MW-06

ID: 16_1_4_117



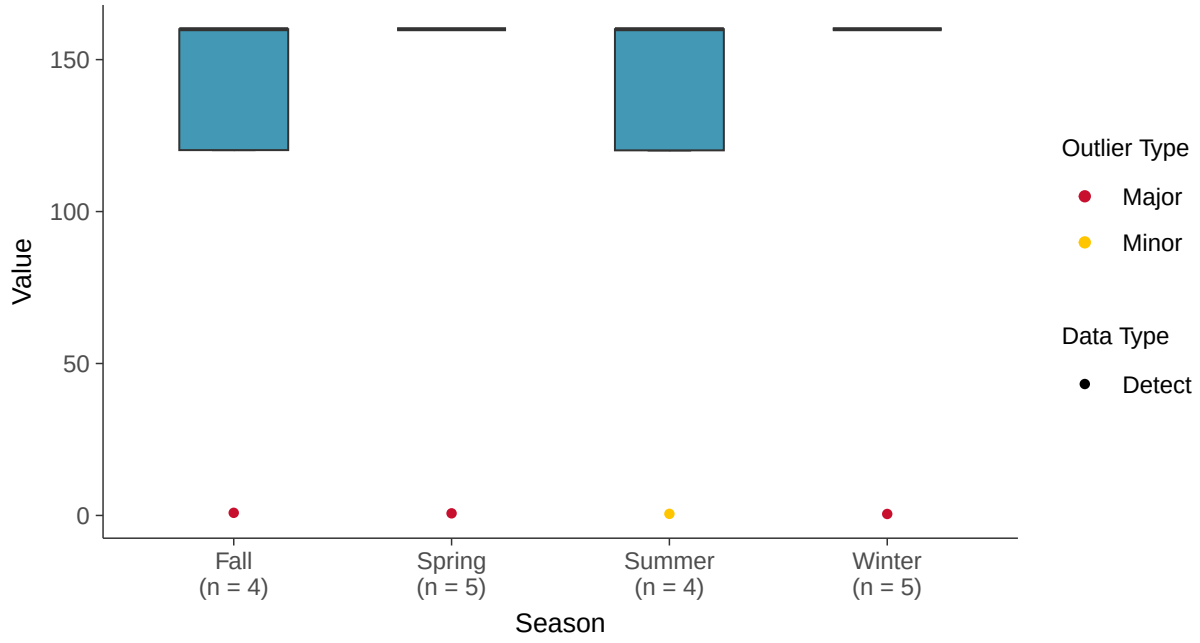


Boxplot

Mercury, MW-06 (ng/L)

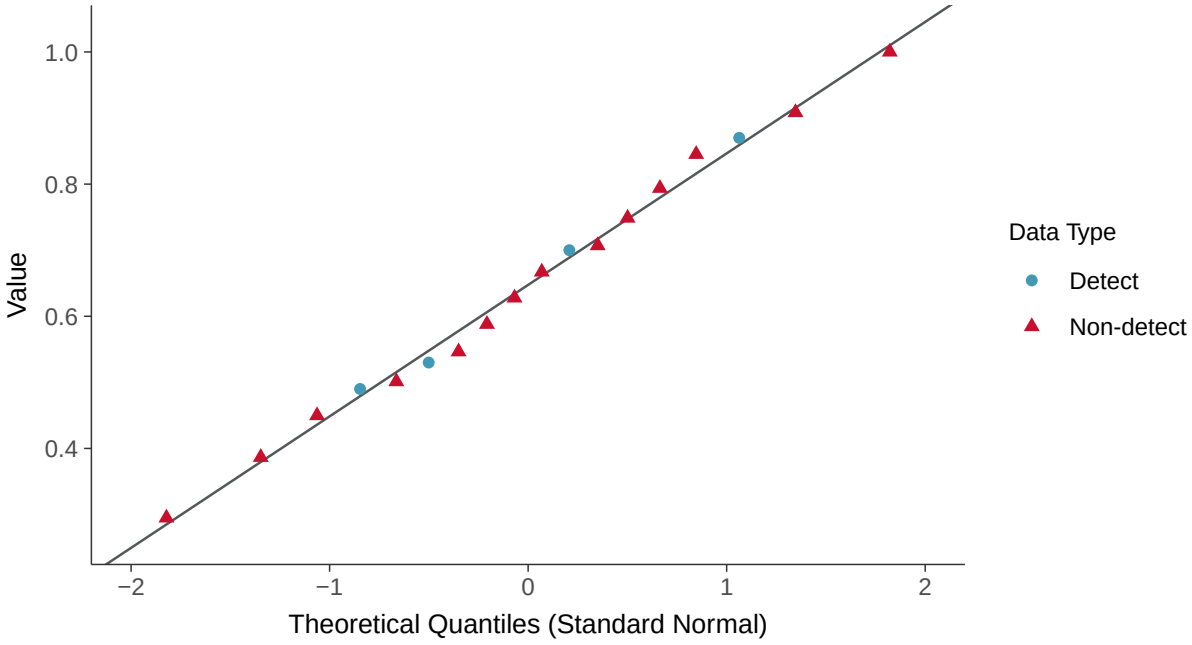
Boxplot by Season

Mercury, MW-06 (ng/L)



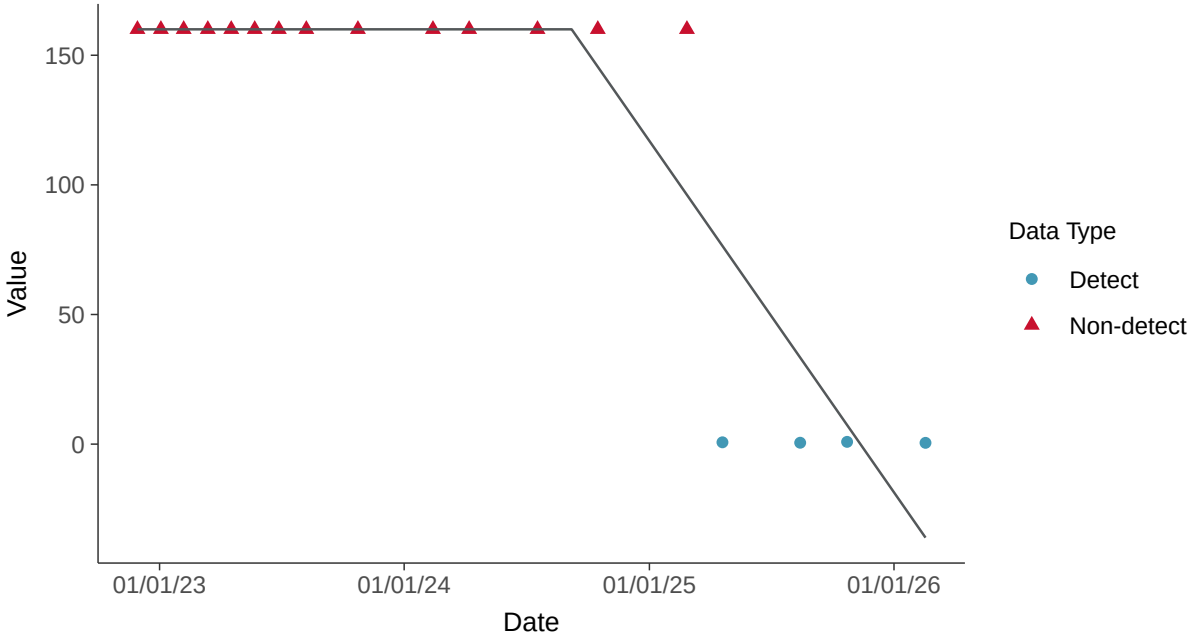
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-06 (ng/L)



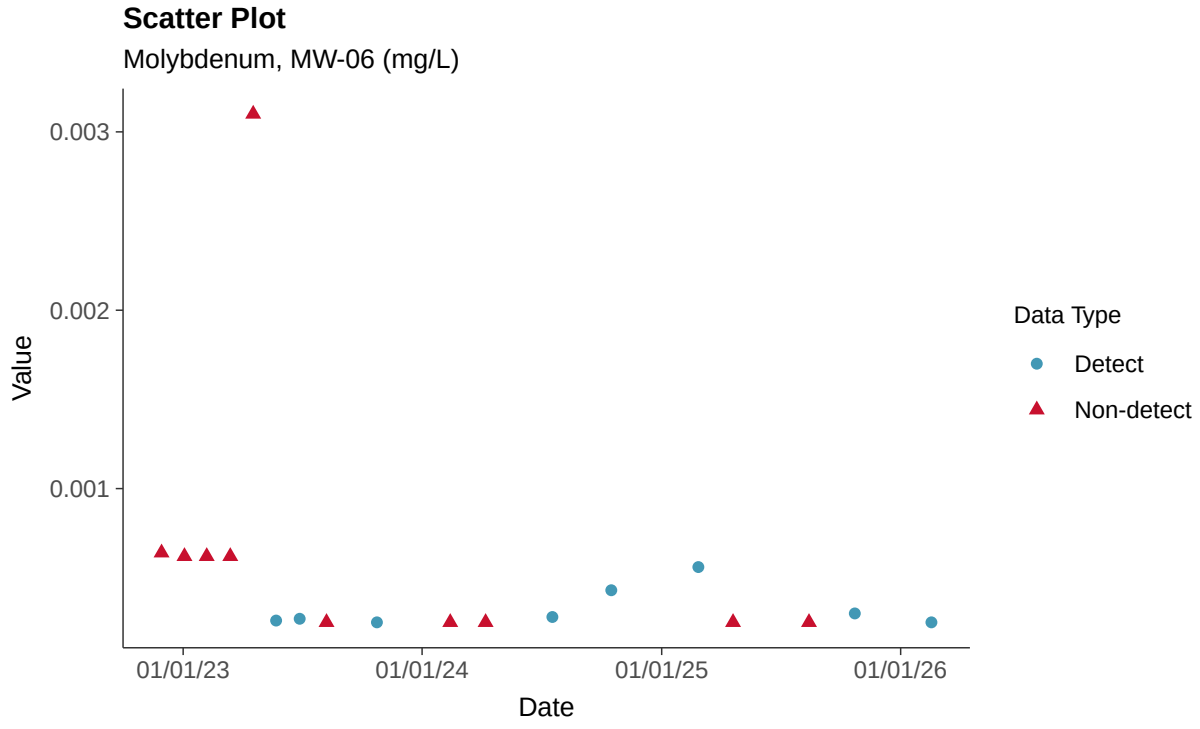
Trend Regression: Piecewise Linear-Linear

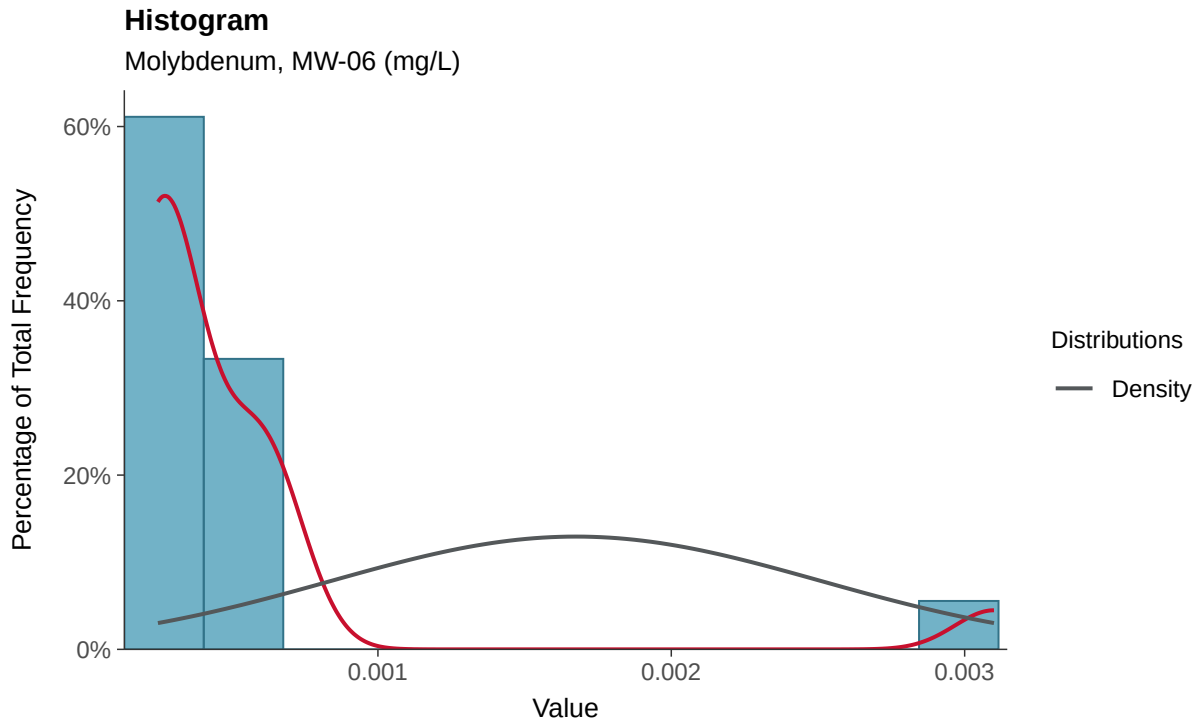
Mercury, MW-06 (ng/L)



Appendix IV: Molybdenum, MW-06

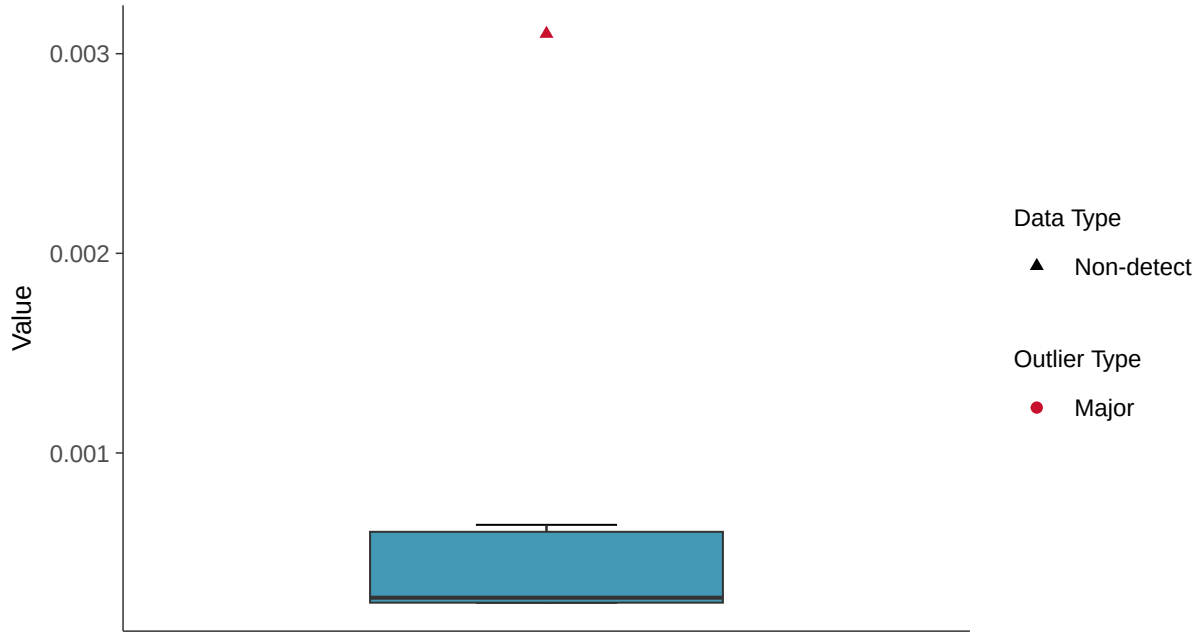
ID: 16_1_4_118





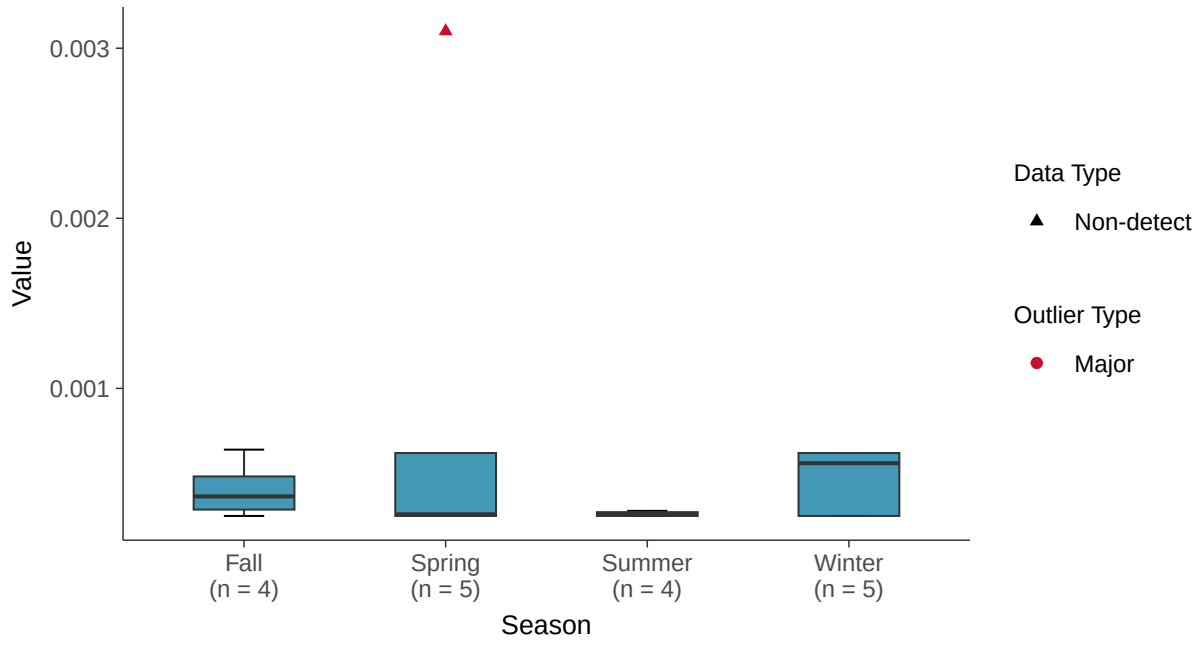
Boxplot

Molybdenum, MW-06 (mg/L)



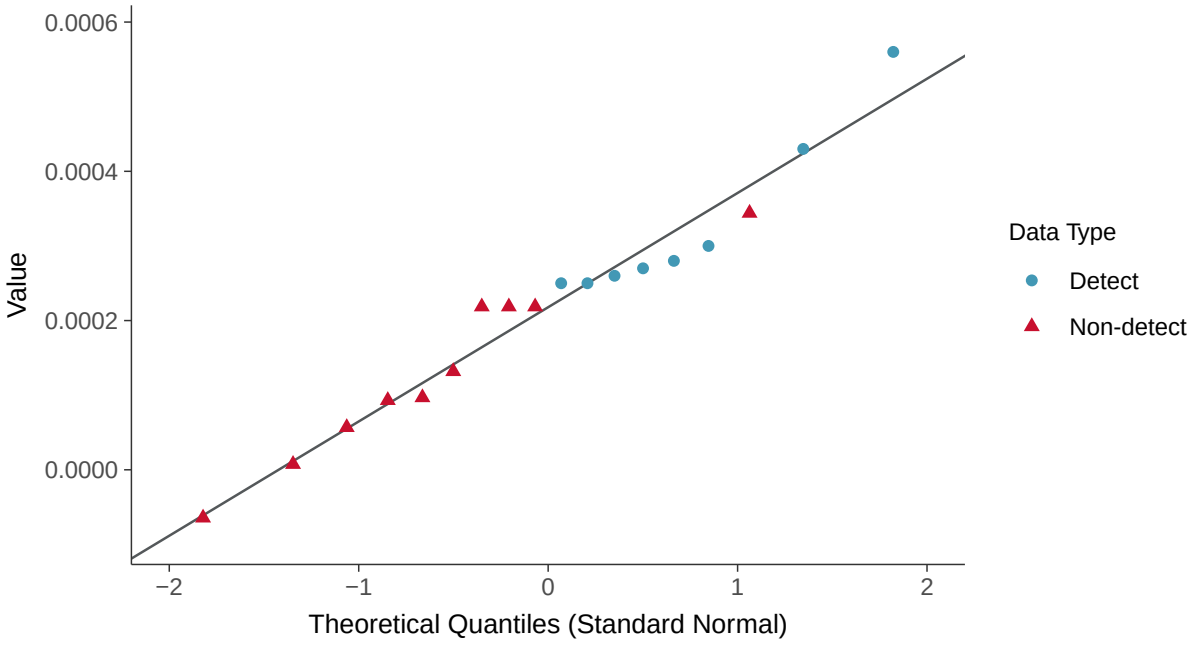
Boxplot by Season

Molybdenum, MW-06 (mg/L)



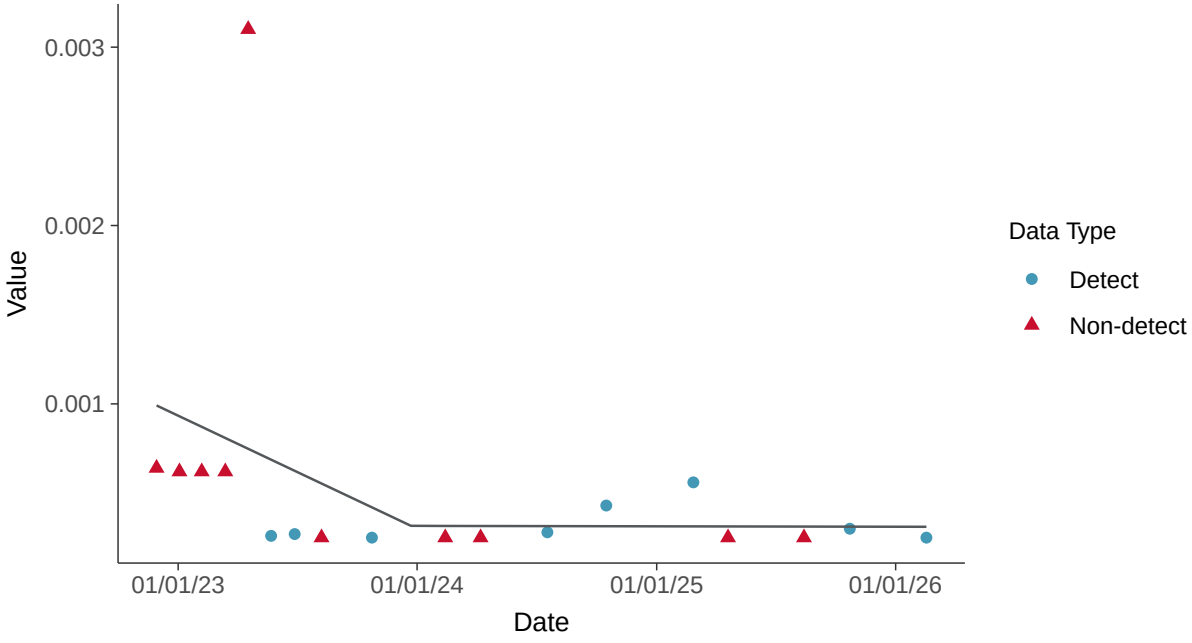
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-06 (mg/L)



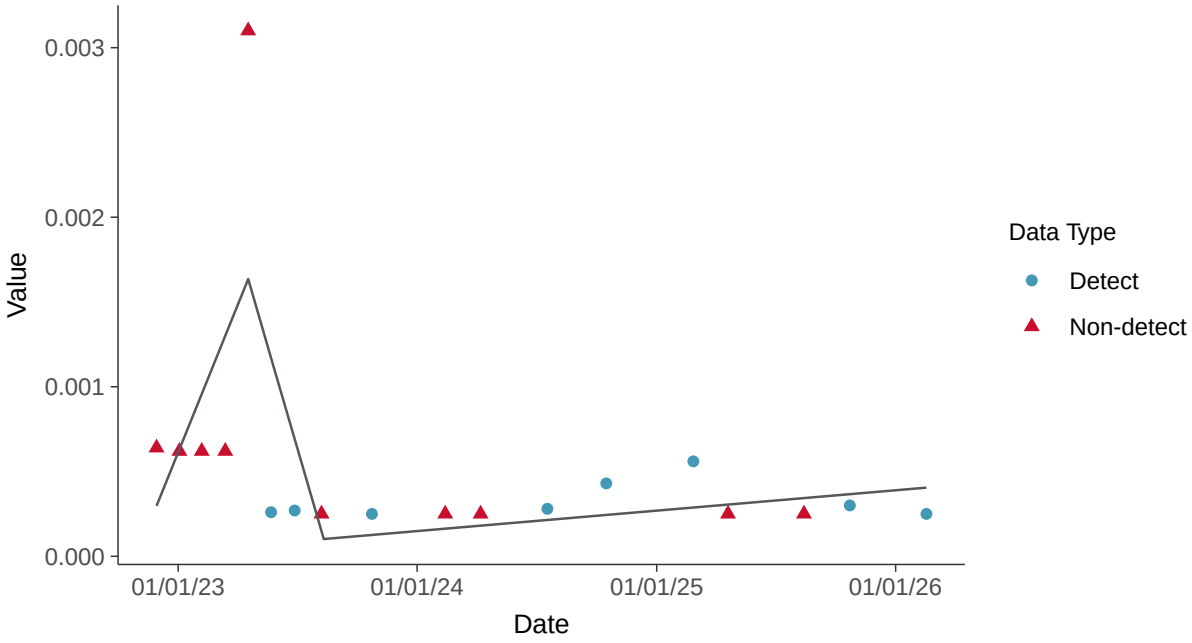
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-06 (mg/L)



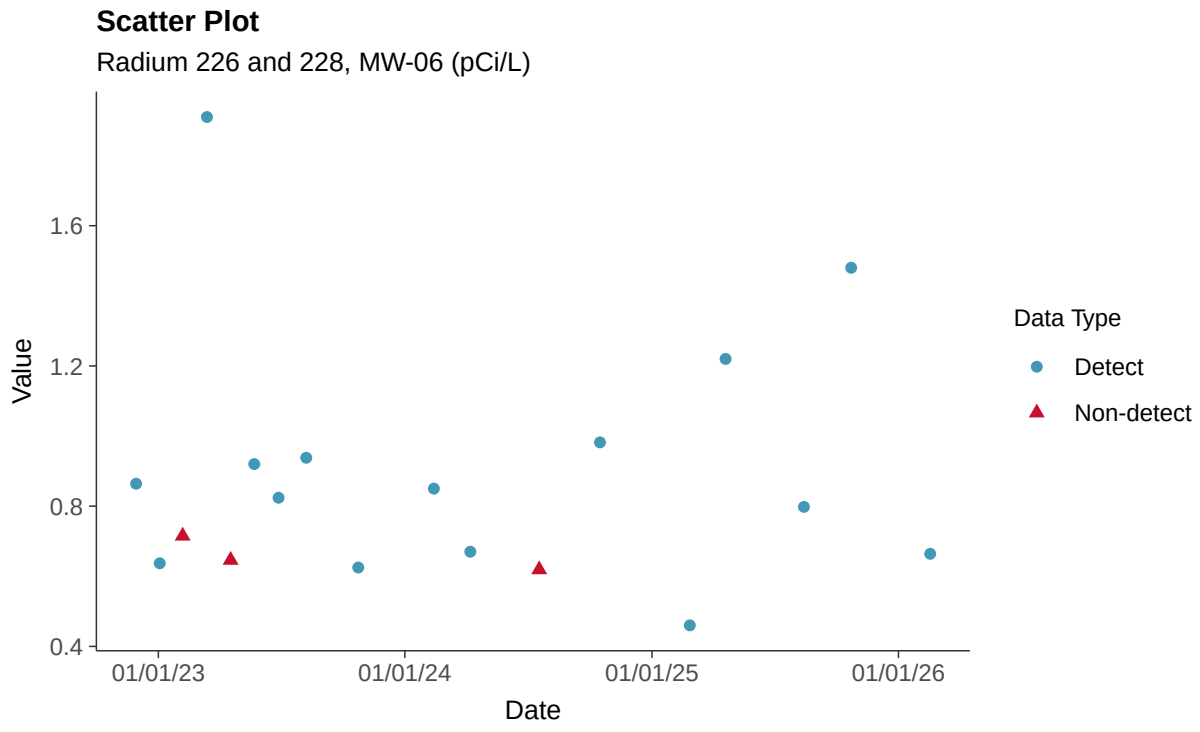
Trend Regression: Piecewise Linear-Linear-Linear

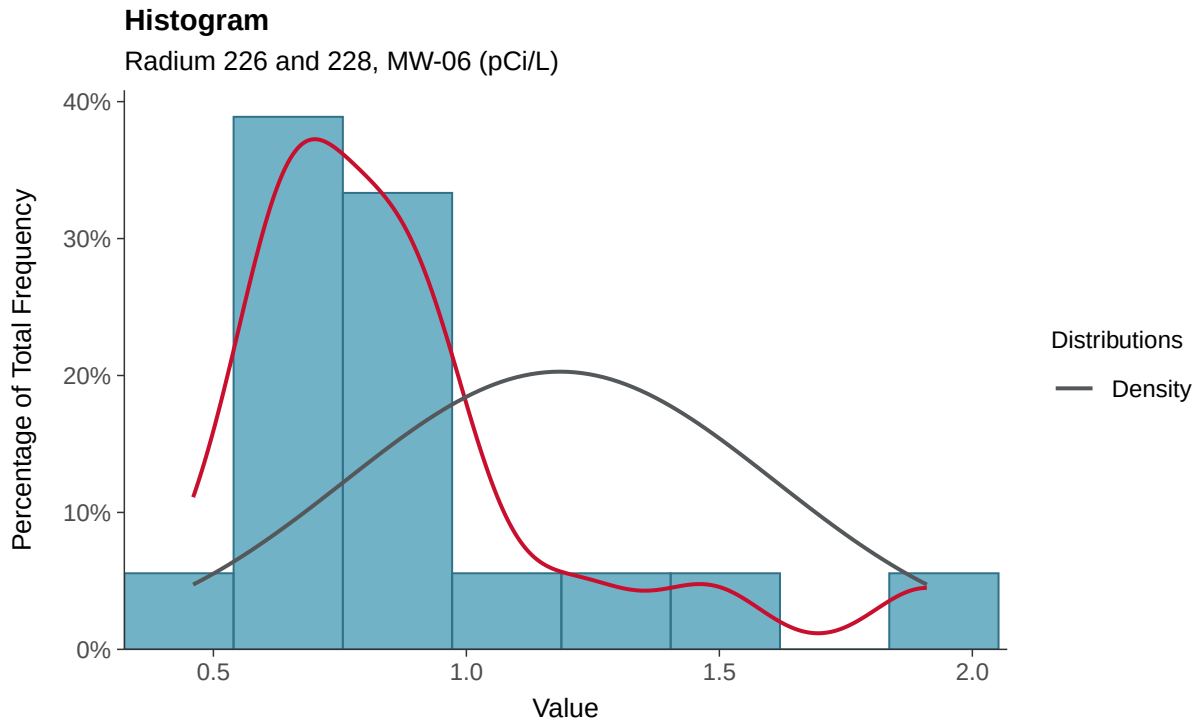
Molybdenum, MW-06 (mg/L)



Appendix IV: Radium 226 and 228, MW-06

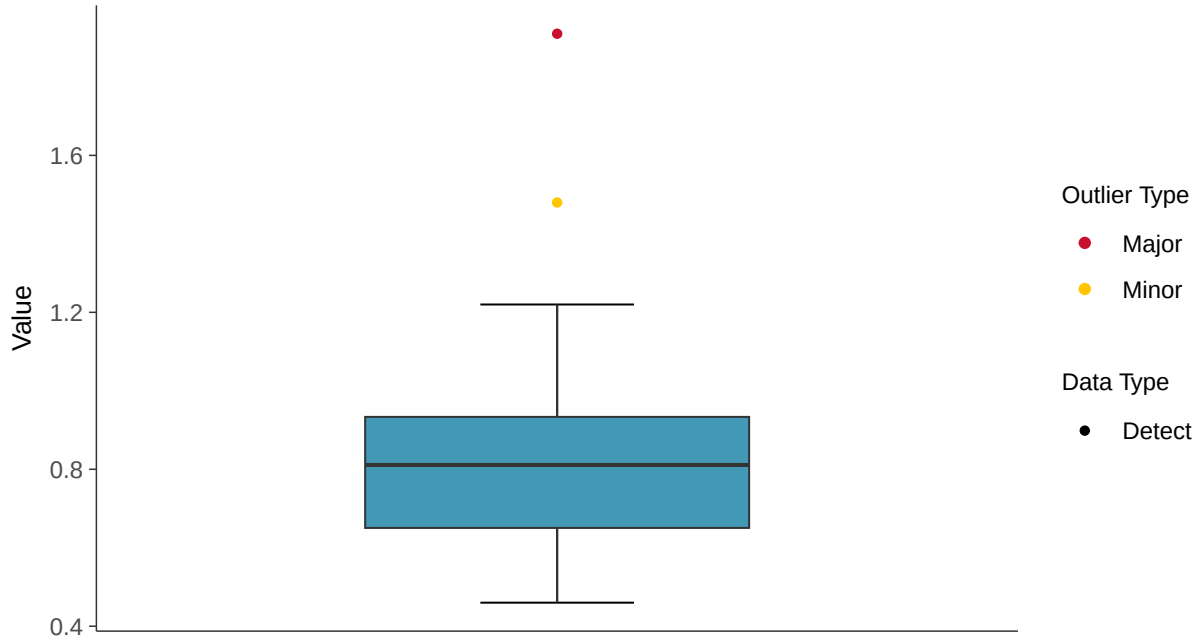
ID: 16_1_4_121





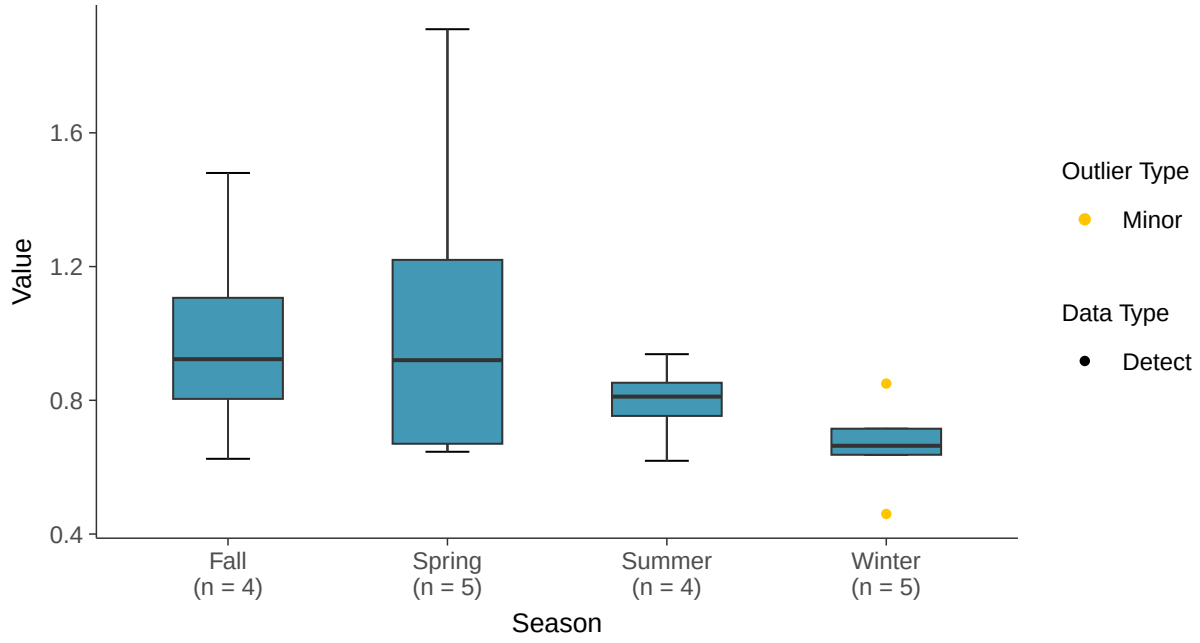
Boxplot

Radium 226 and 228, MW-06 (pCi/L)



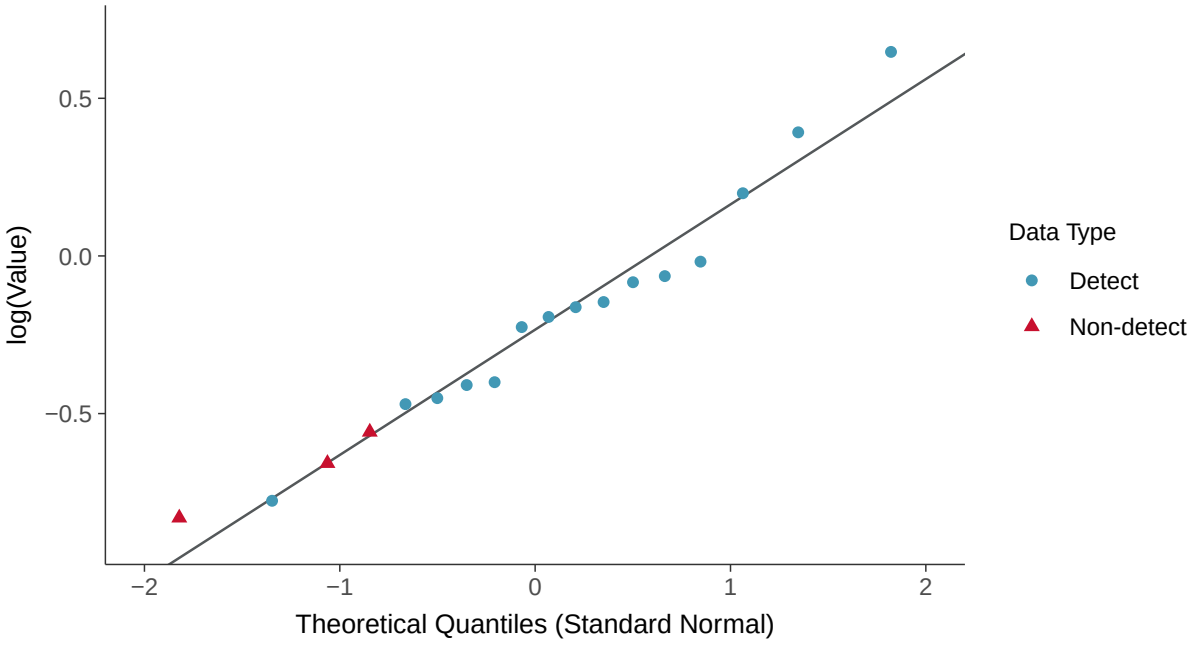
Boxplot by Season

Radium 226 and 228, MW-06 (pCi/L)



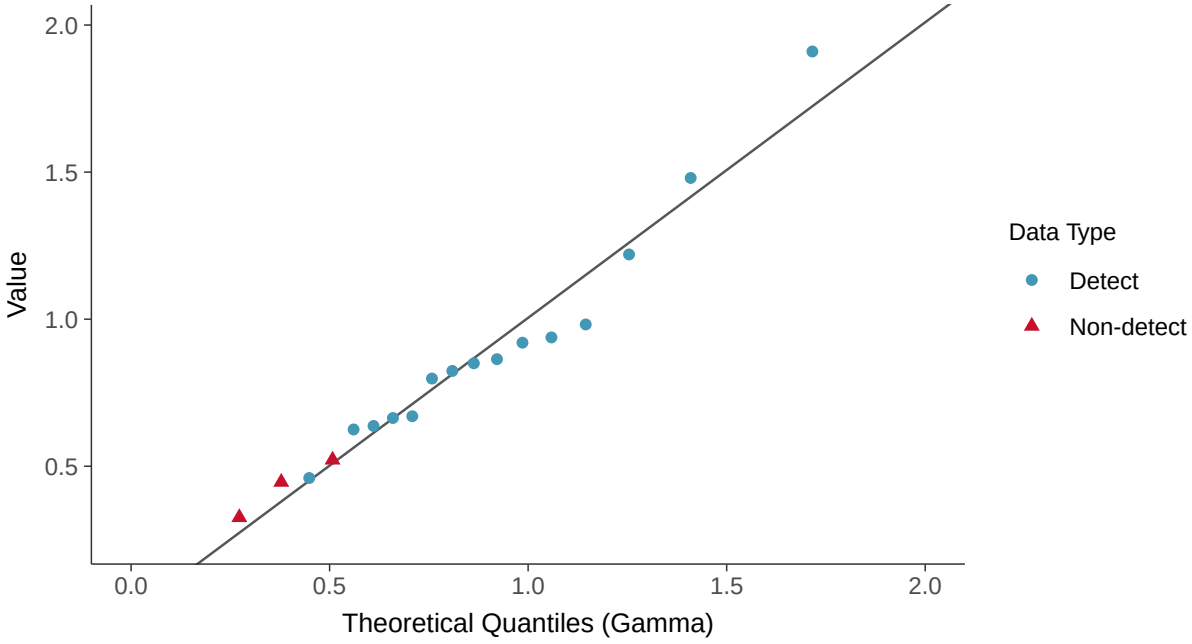
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-06 (pCi/L)



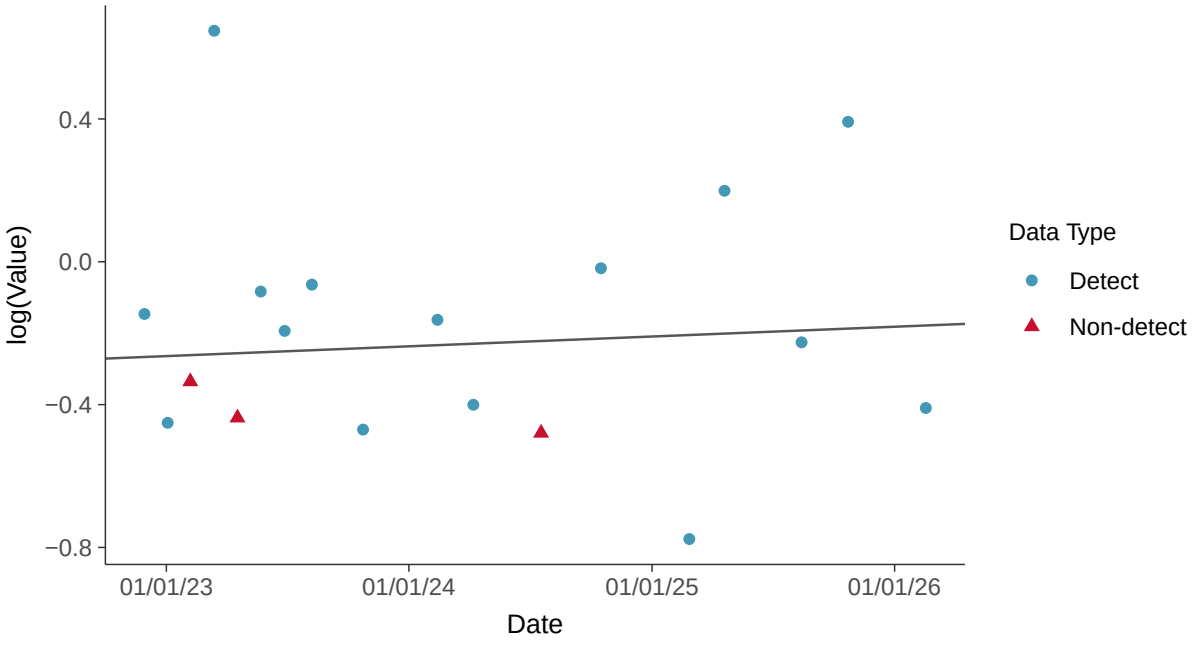
Gamma Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-06 (pCi/L)



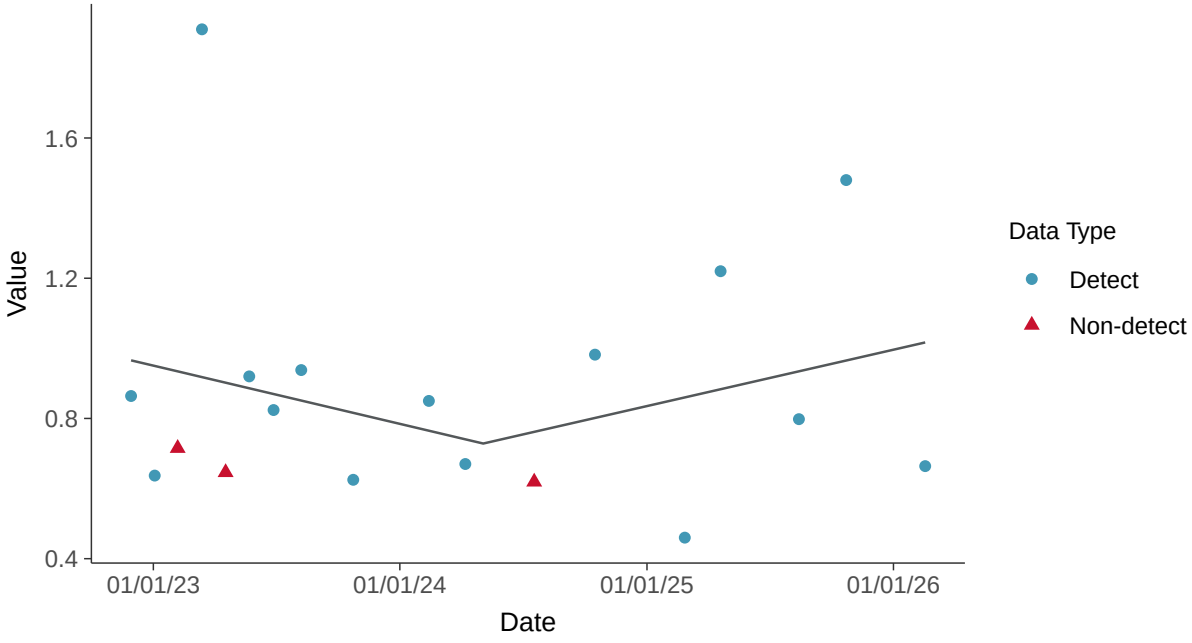
Trend Regression: Lognormal MLE

Radium 226 and 228, MW-06 (pCi/L)



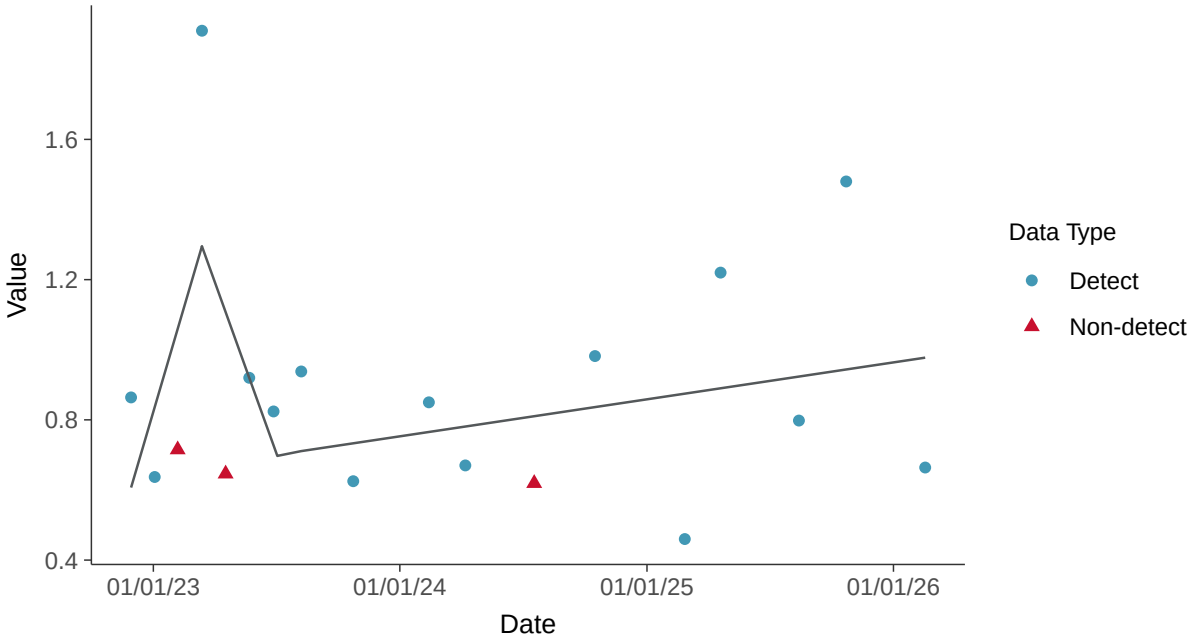
Trend Regression: Piecewise Linear-Linear

Radium 226 and 228, MW-06 (pCi/L)



Trend Regression: Piecewise Linear-Linear-Linear

Radium 226 and 228, MW-06 (pCi/L)

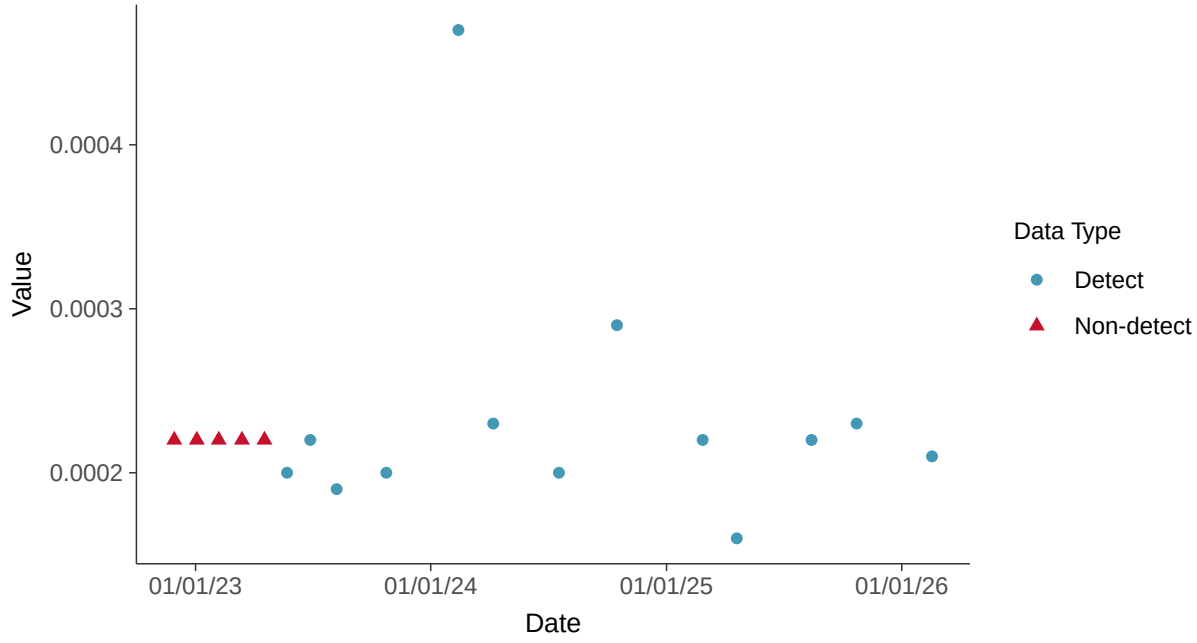


Appendix IV: Selenium, MW-06

ID: 16_1_4_122

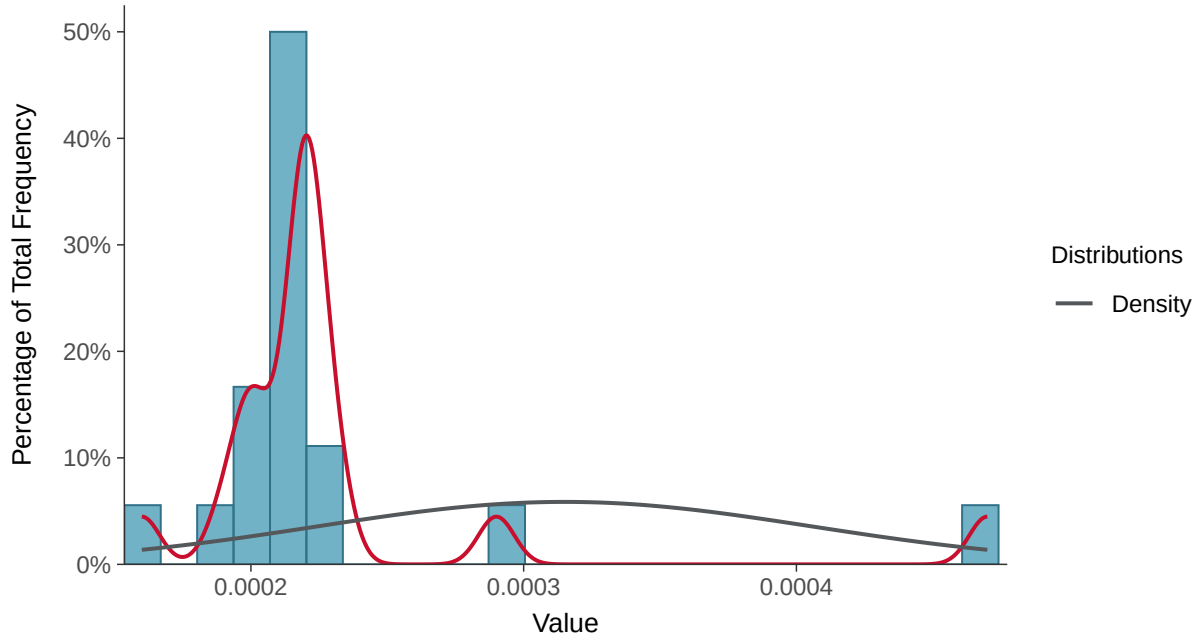
Scatter Plot

Selenium, MW-06 (mg/L)



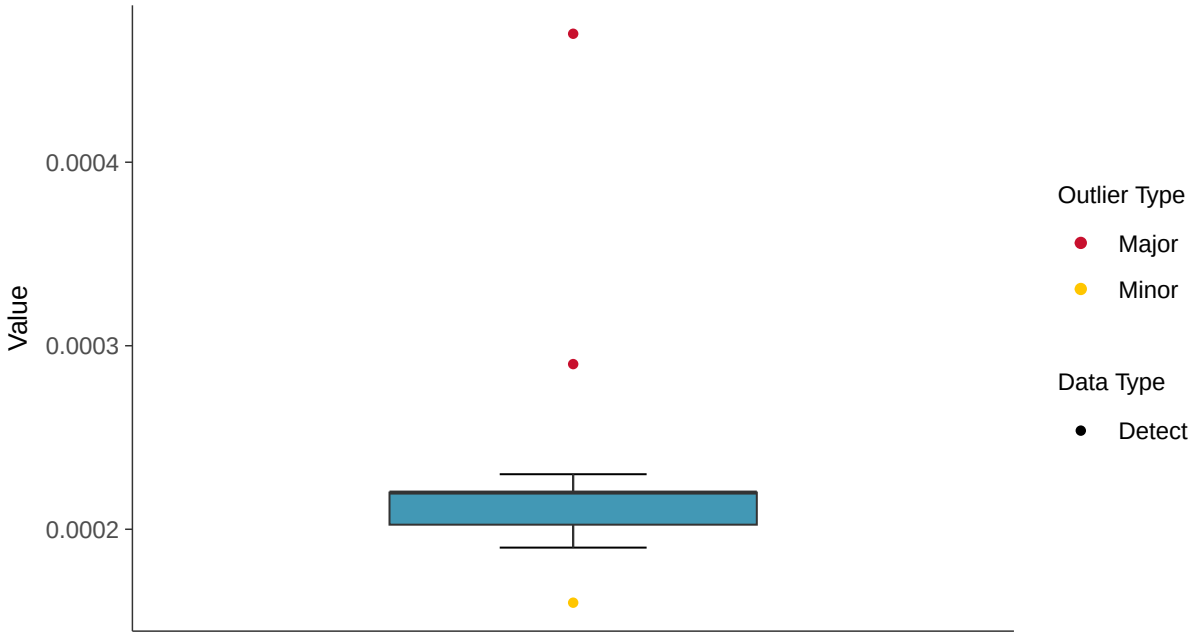
Histogram

Selenium, MW-06 (mg/L)



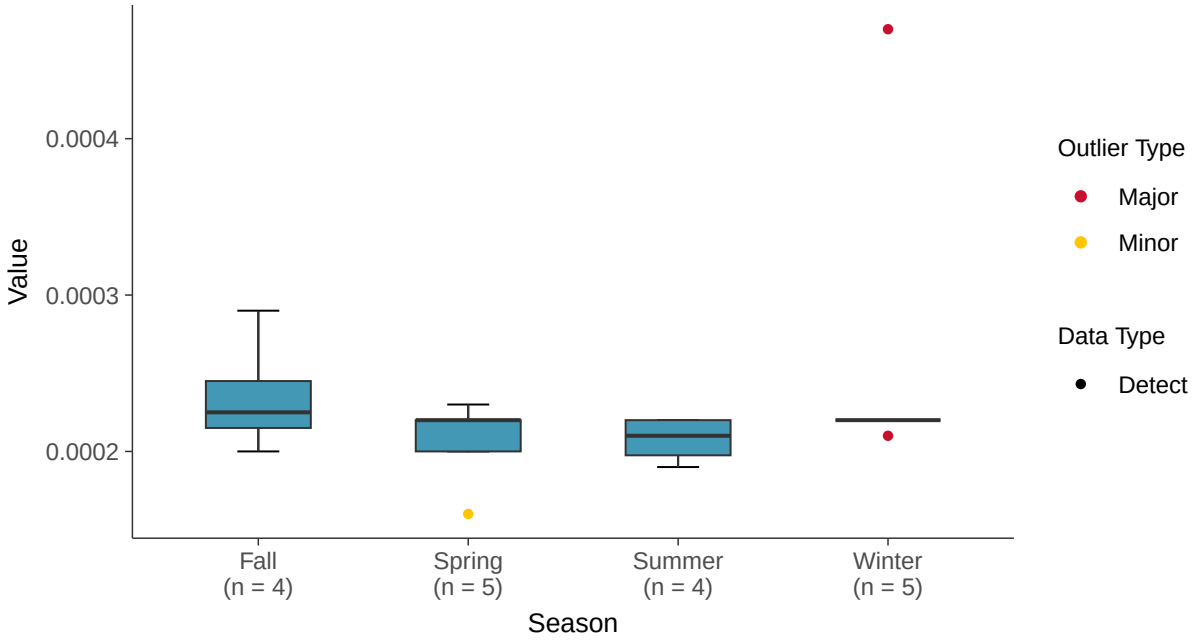
Boxplot

Selenium, MW-06 (mg/L)



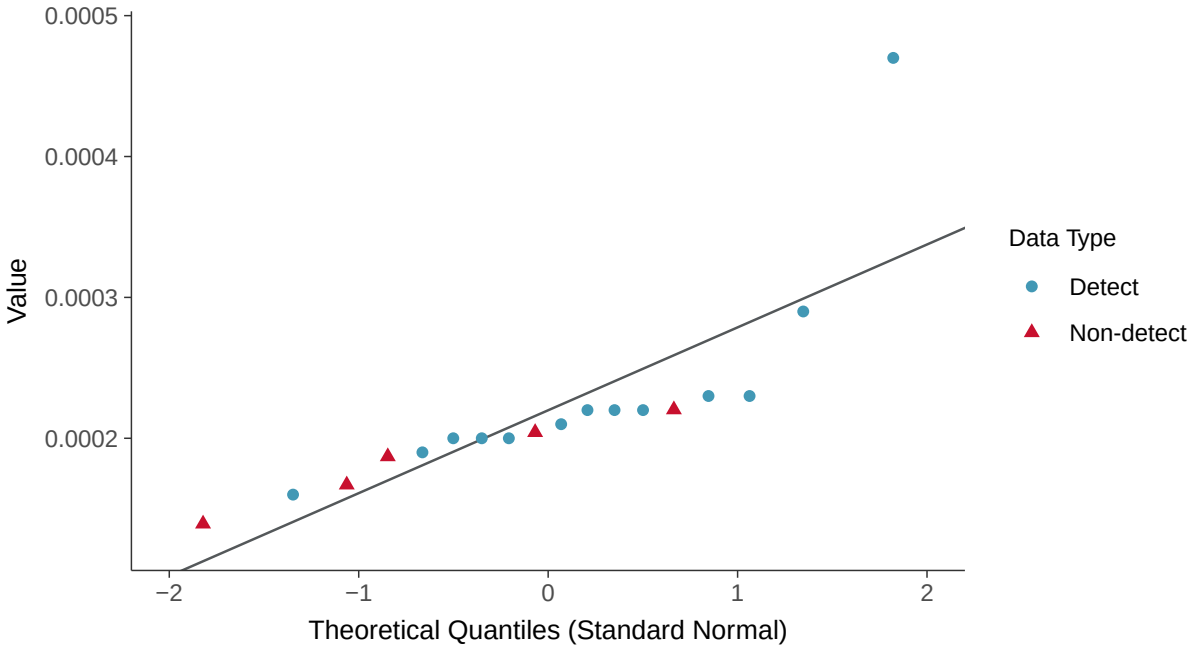
Boxplot by Season

Selenium, MW-06 (mg/L)



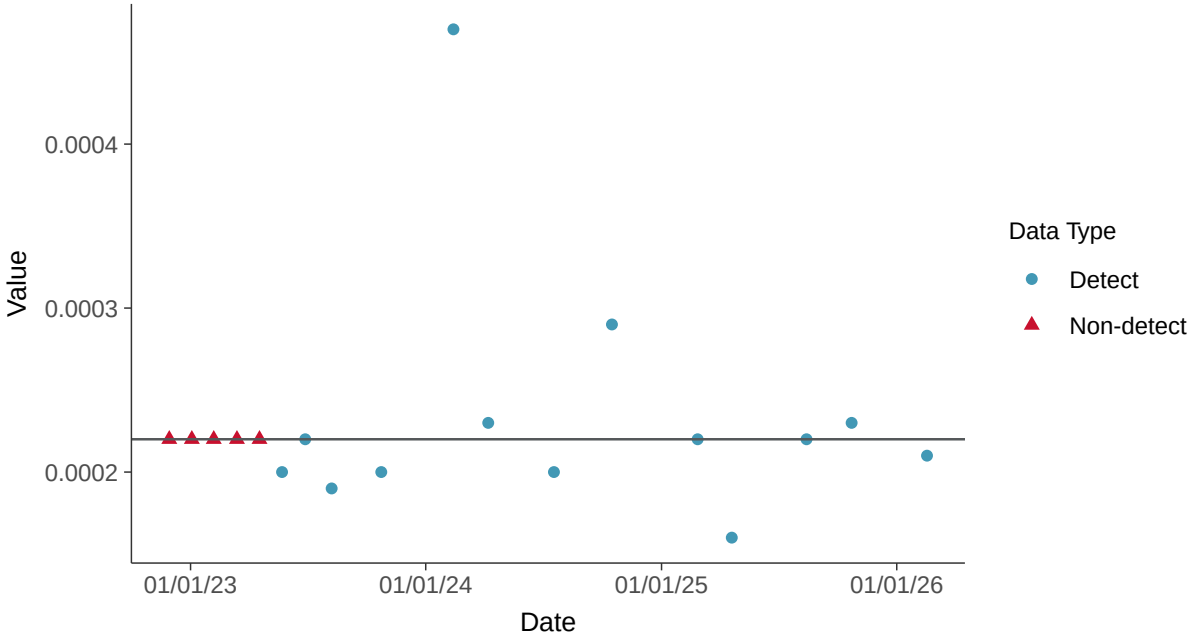
Normal Q-Q plot using ROS Imputed Estimates

Selenium, MW-06 (mg/L)



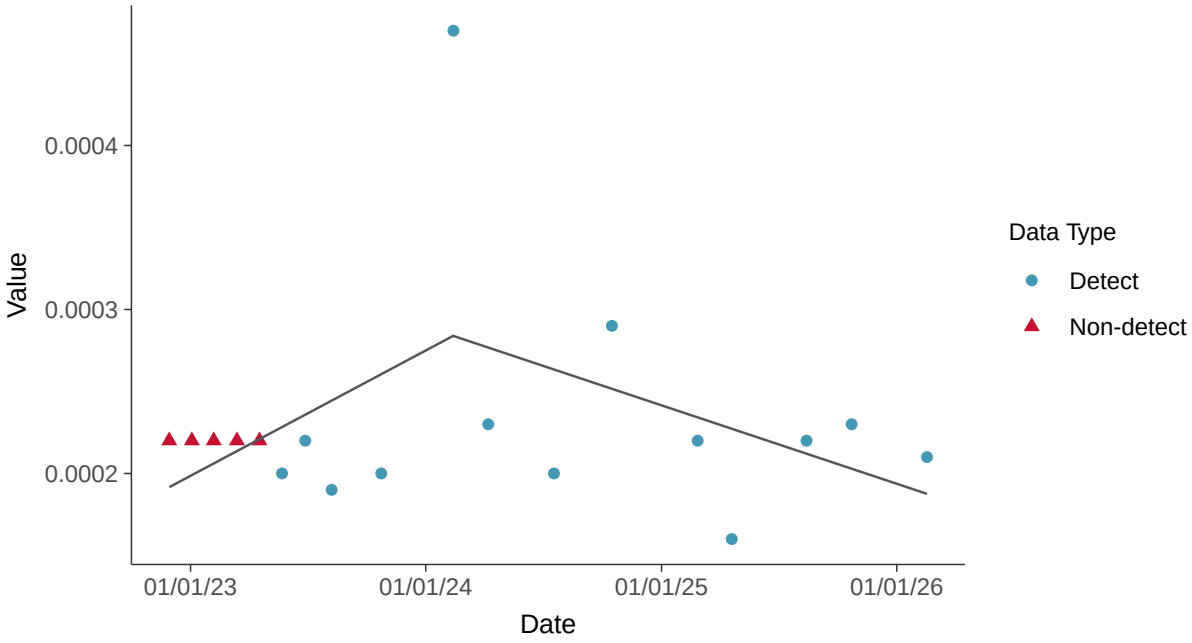
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Selenium, MW-06 (mg/L)



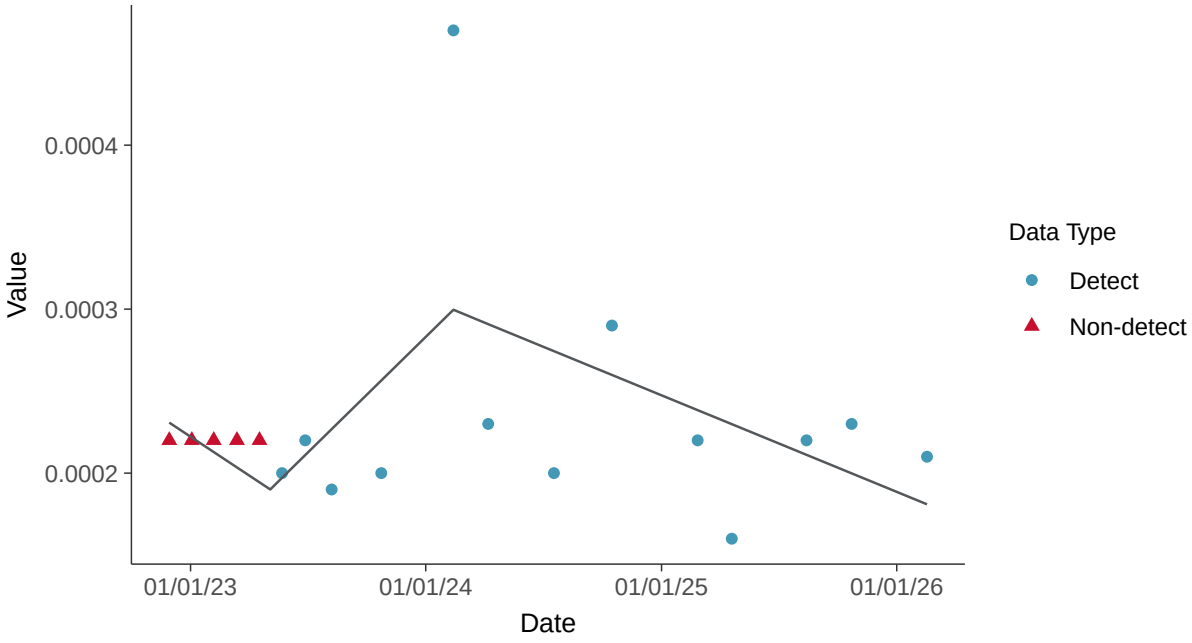
Trend Regression: Piecewise Linear-Linear

Selenium, MW-06 (mg/L)



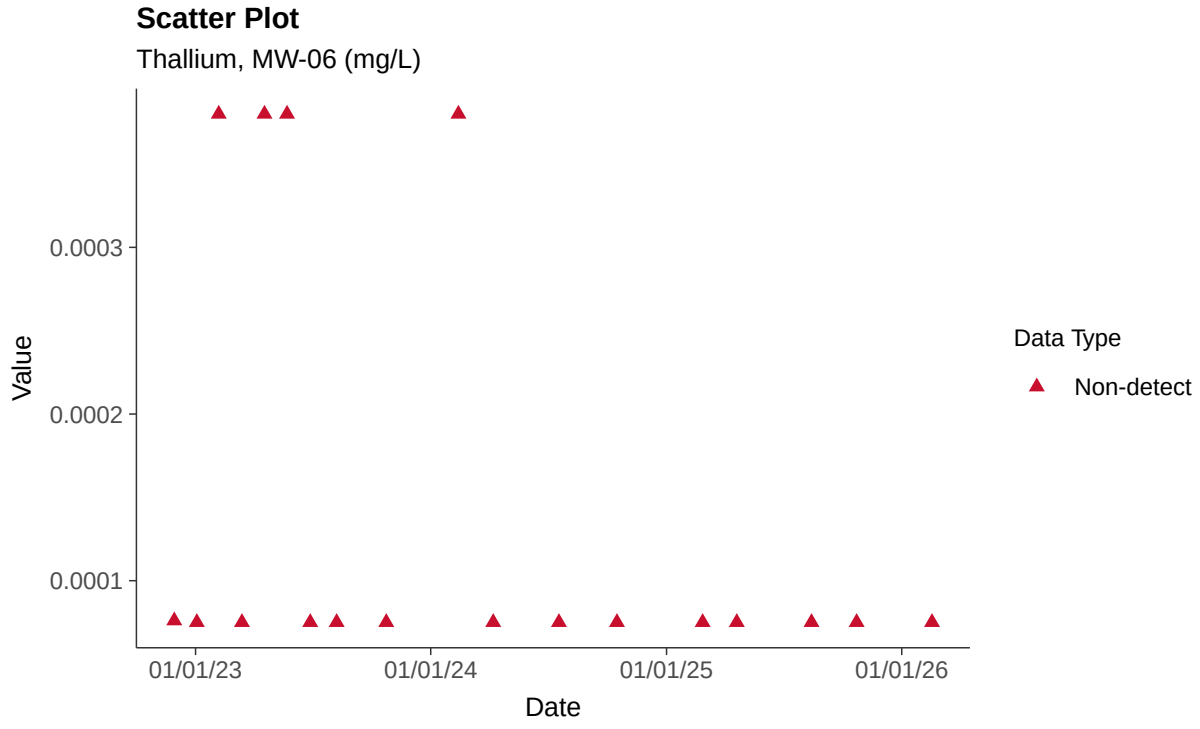
Trend Regression: Piecewise Linear-Linear-Linear

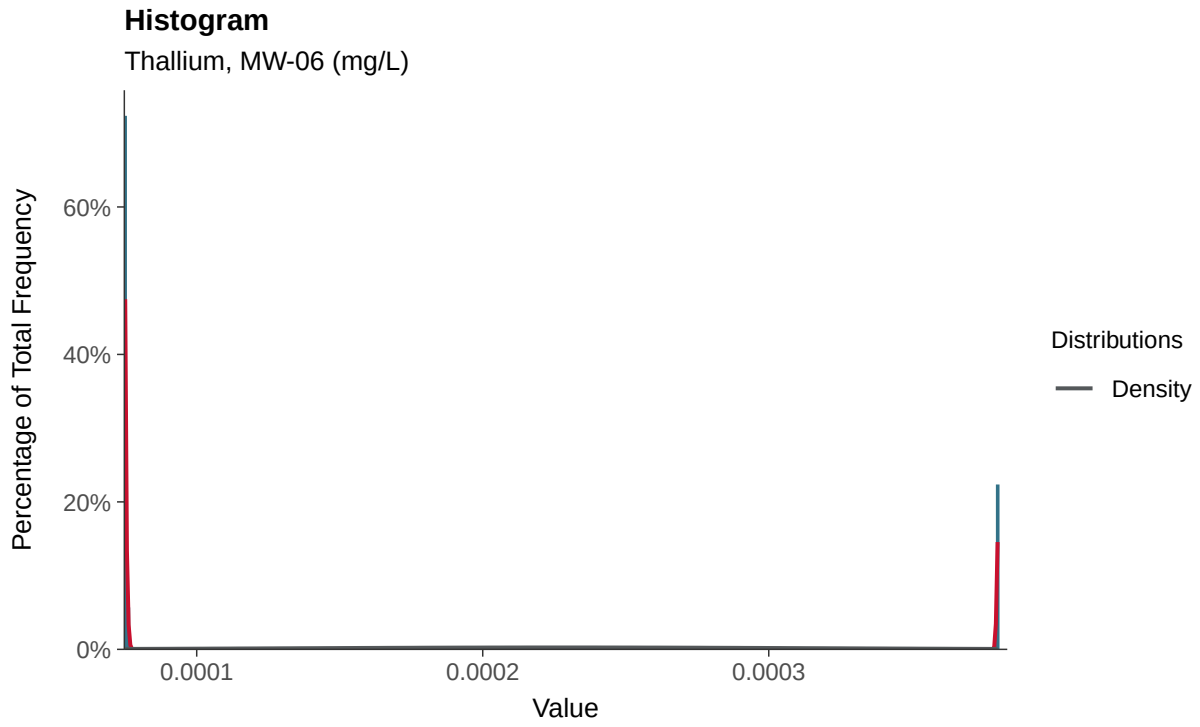
Selenium, MW-06 (mg/L)



Appendix IV: Thallium, MW-06

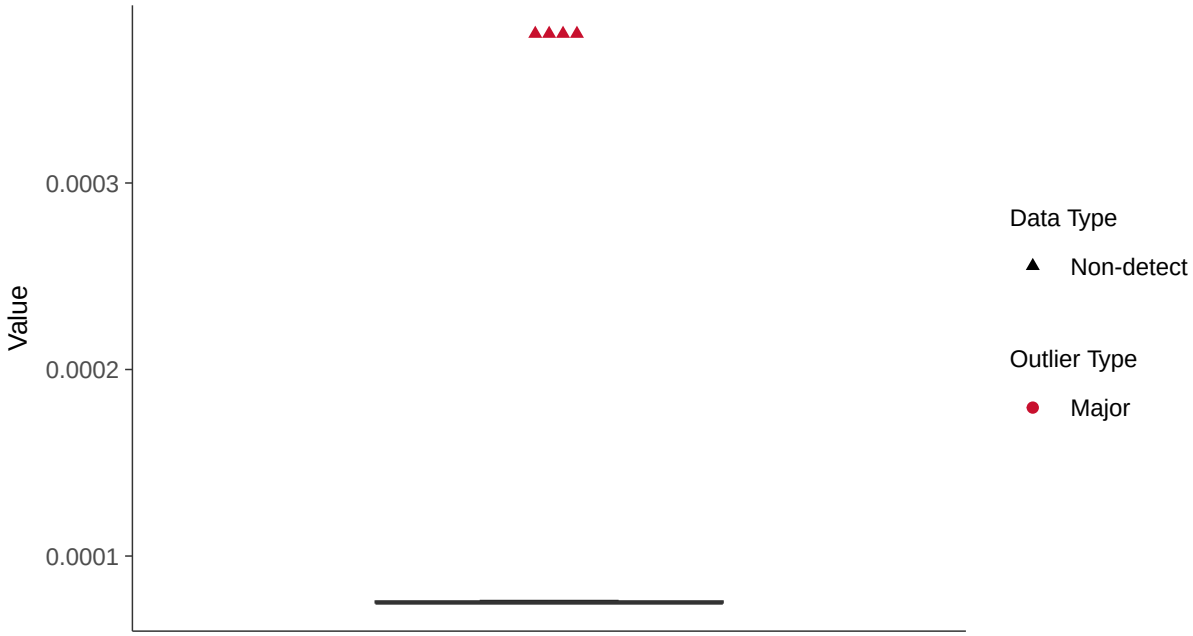
ID: 16_1_4_125





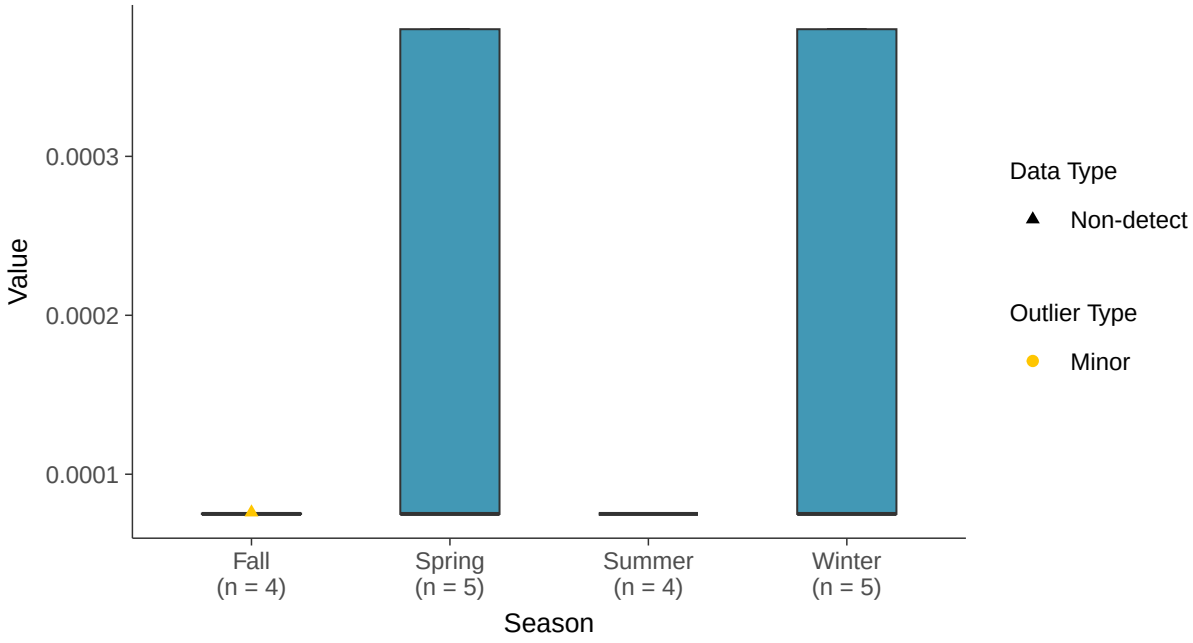
Boxplot

Thallium, MW-06 (mg/L)



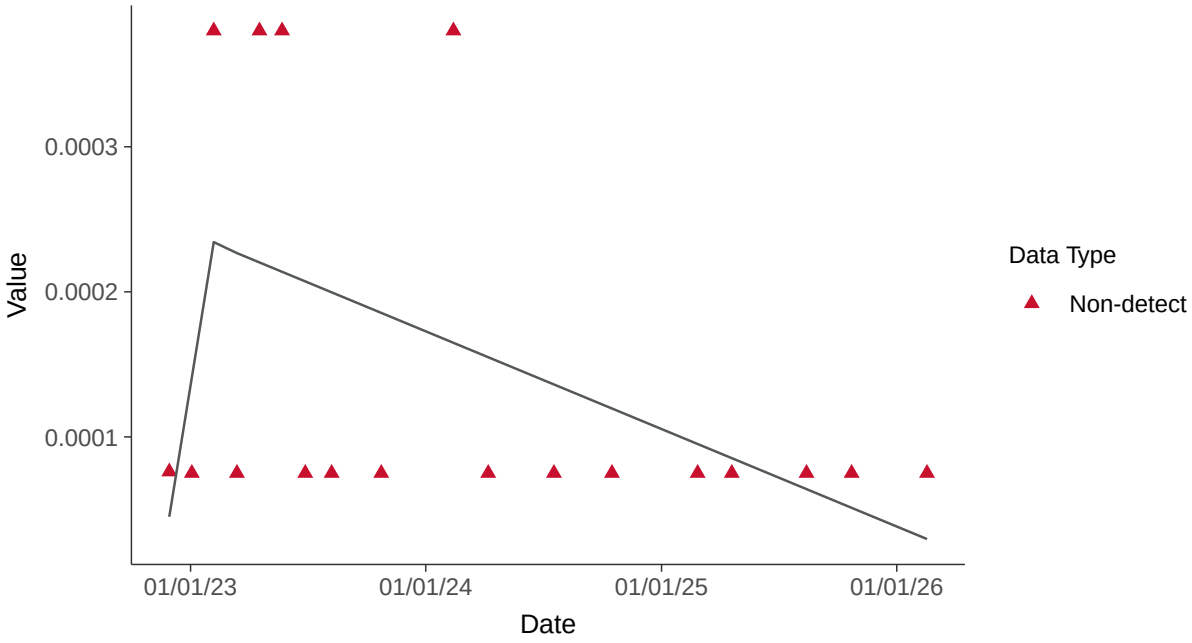
Boxplot by Season

Thallium, MW-06 (mg/L)



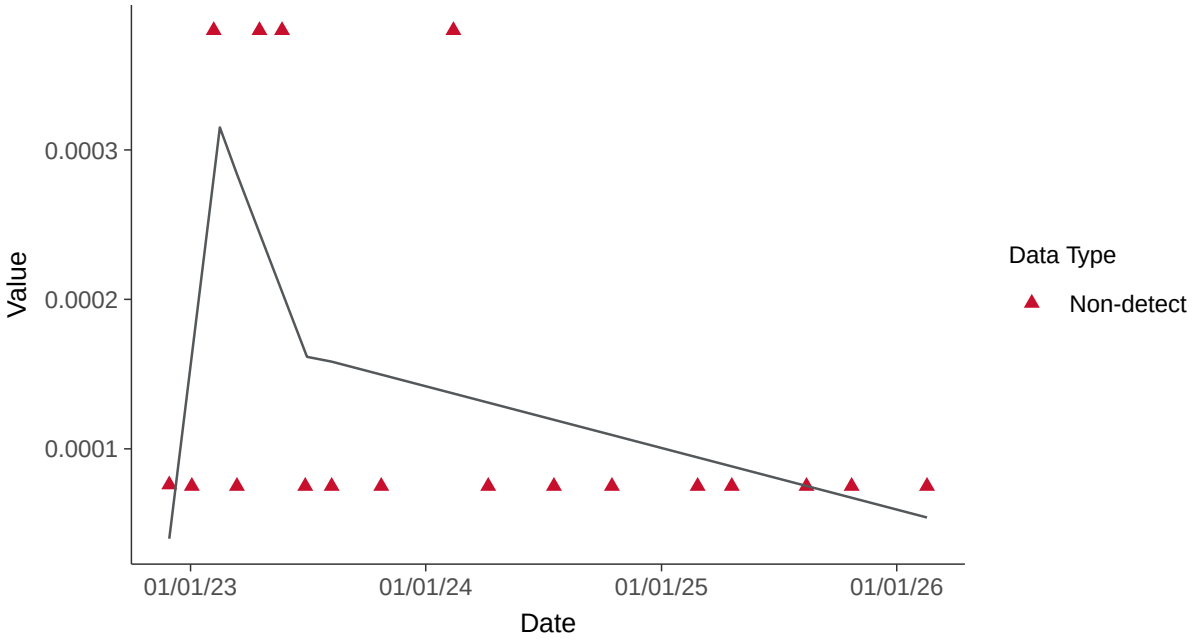
Trend Regression: Piecewise Linear-Linear

Thallium, MW-06 (mg/L)



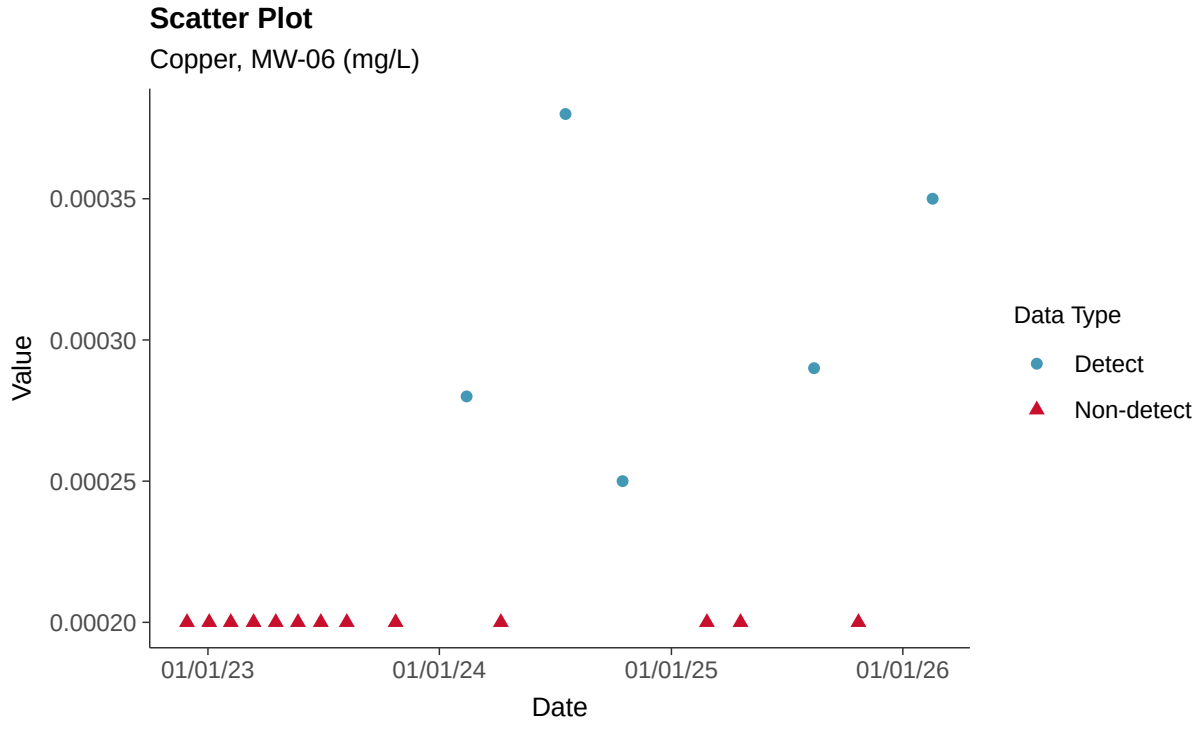
Trend Regression: Piecewise Linear-Linear-Linear

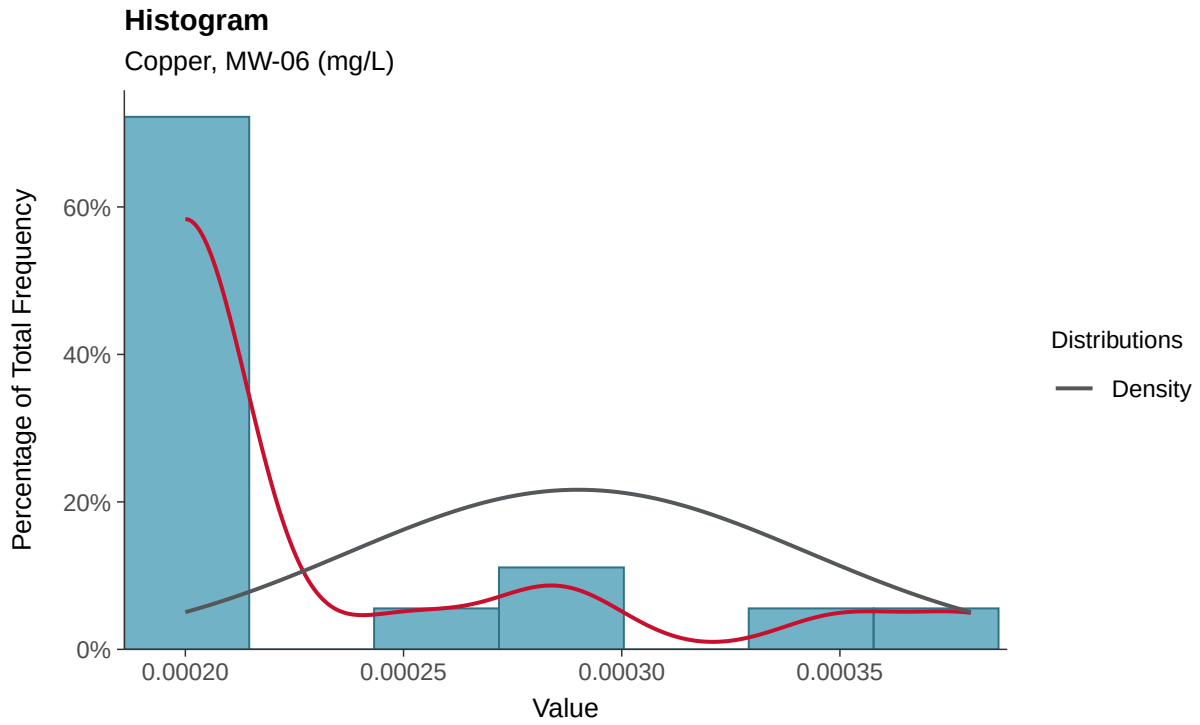
Thallium, MW-06 (mg/L)



Part 115: Copper, MW-06

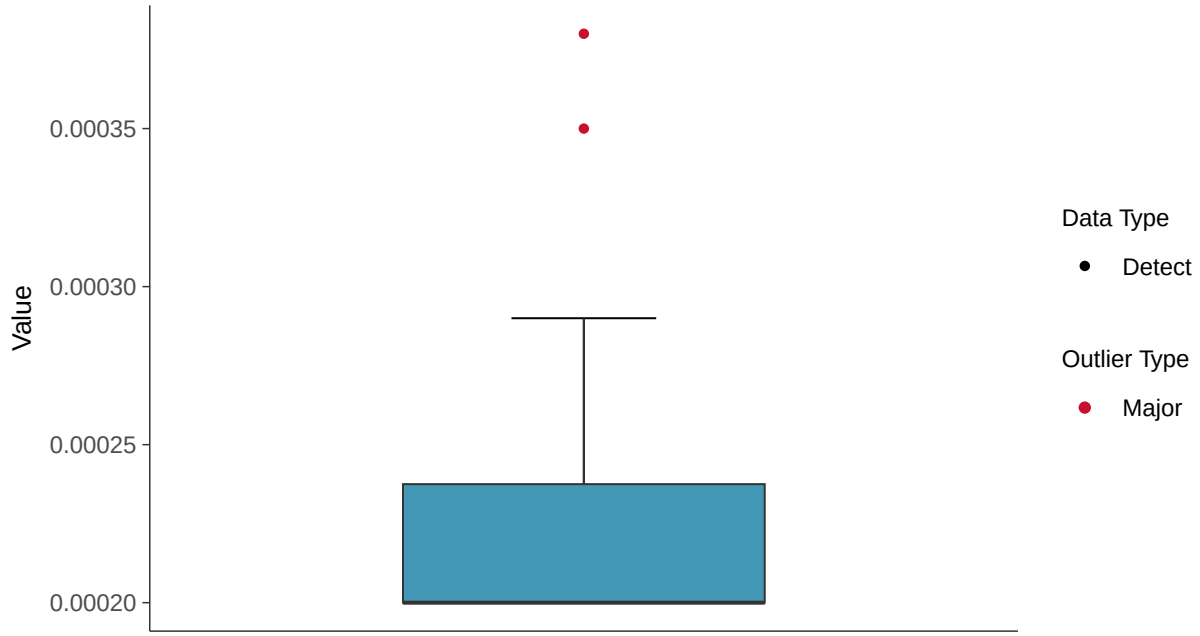
ID: 16_1_5_111





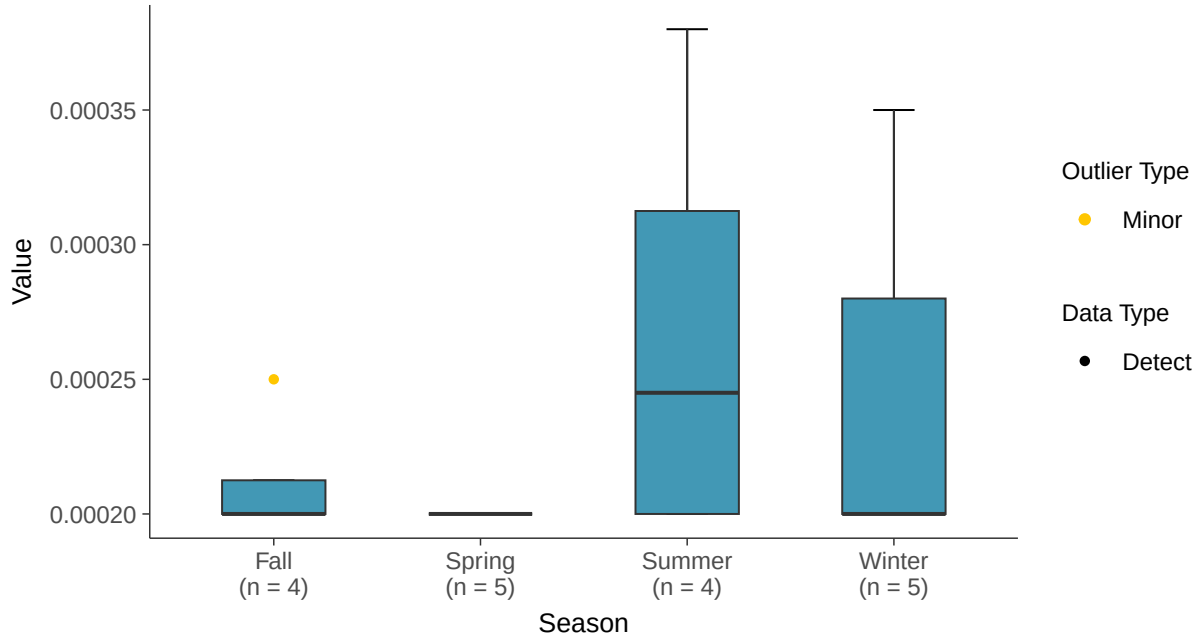
Boxplot

Copper, MW-06 (mg/L)



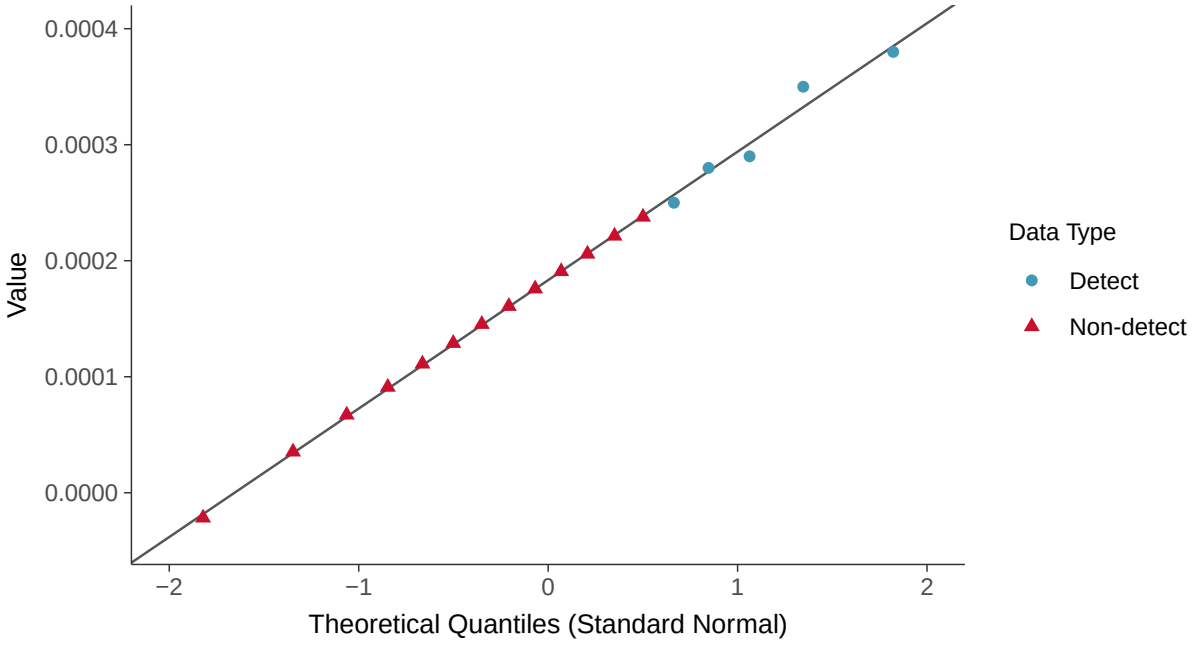
Boxplot by Season

Copper, MW-06 (mg/L)



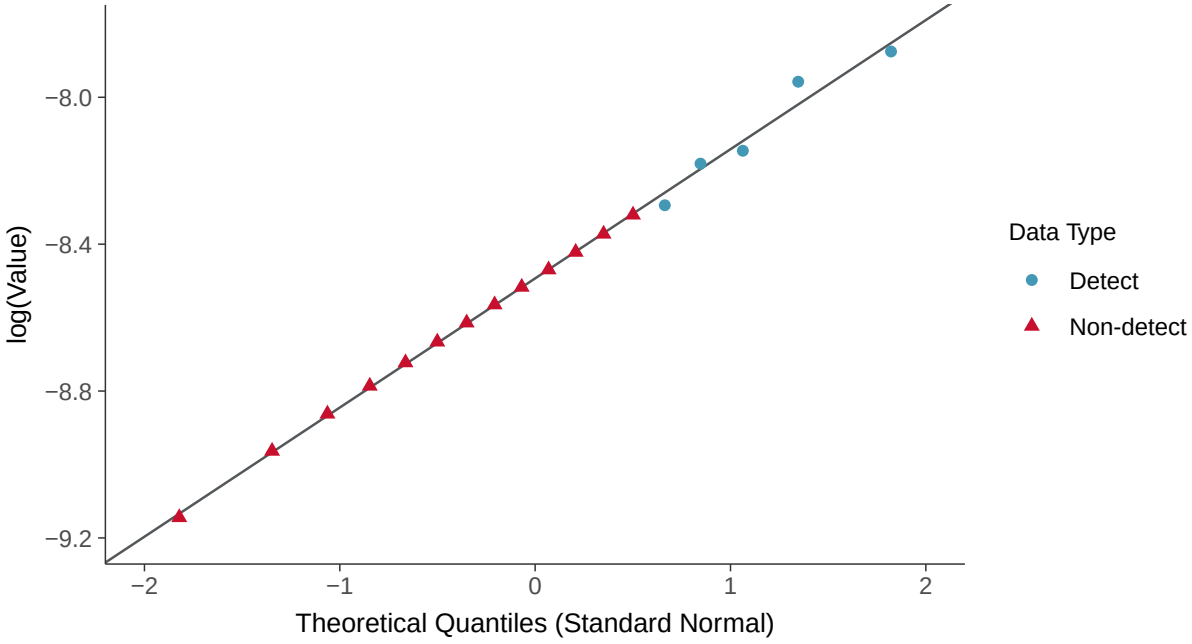
Normal Q-Q plot using ROS Imputed Estimates

Copper, MW-06 (mg/L)



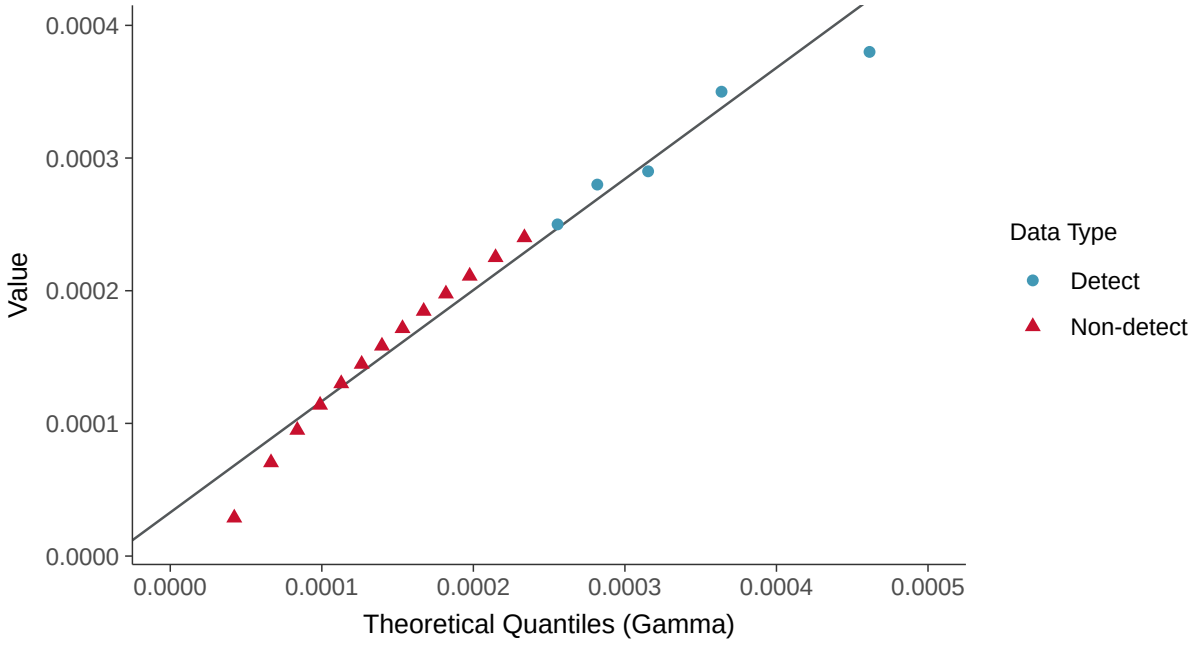
Lognormal Q-Q plot using ROS Imputed Estimates

Copper, MW-06 (mg/L)



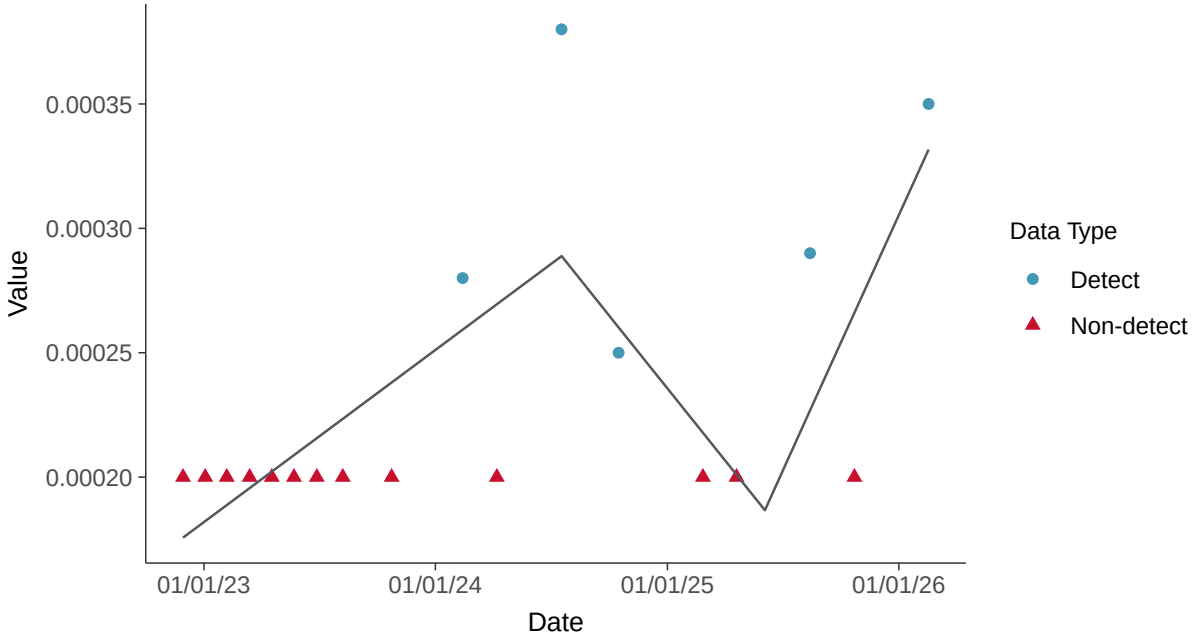
Gamma Q-Q plot using ROS Imputed Estimates

Copper, MW-06 (mg/L)



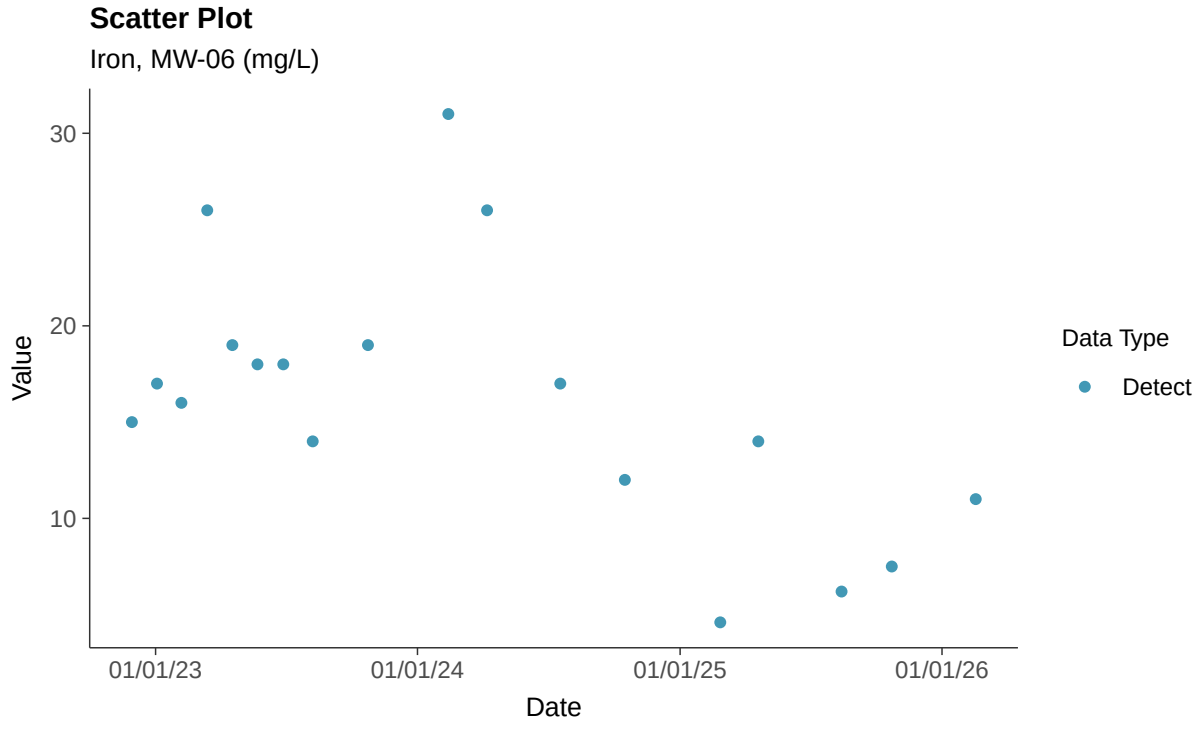
Trend Regression: Piecewise Linear-Linear-Linear

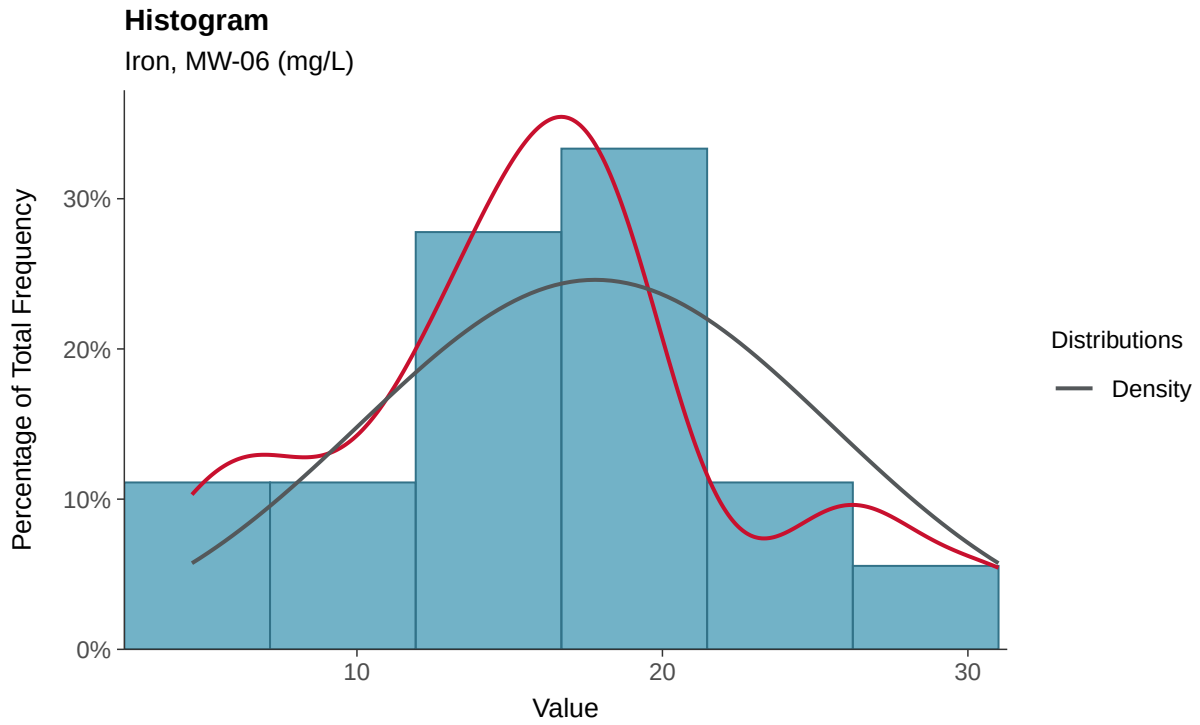
Copper, MW-06 (mg/L)



Part 115: Iron, MW-06

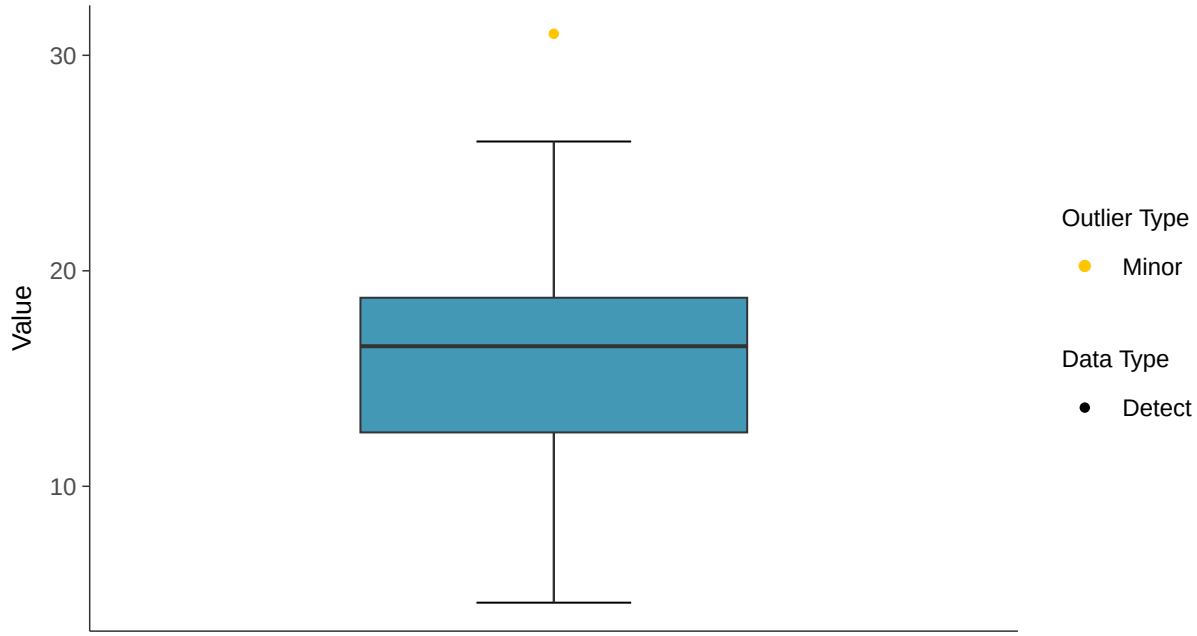
ID: 16_1_5_114





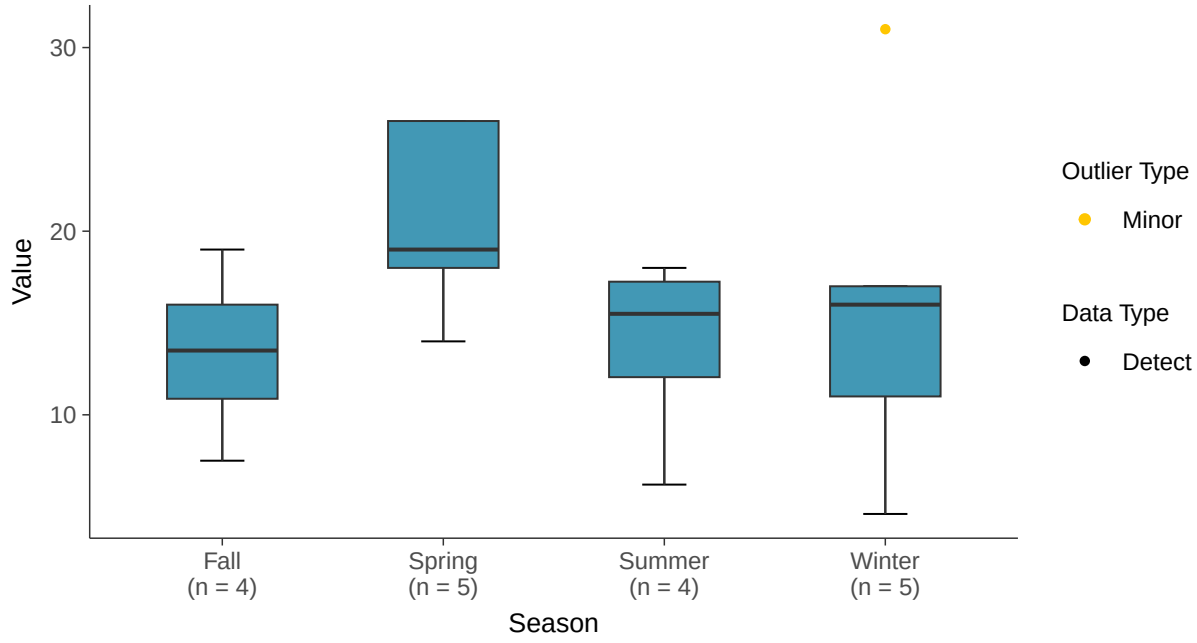
Boxplot

Iron, MW-06 (mg/L)



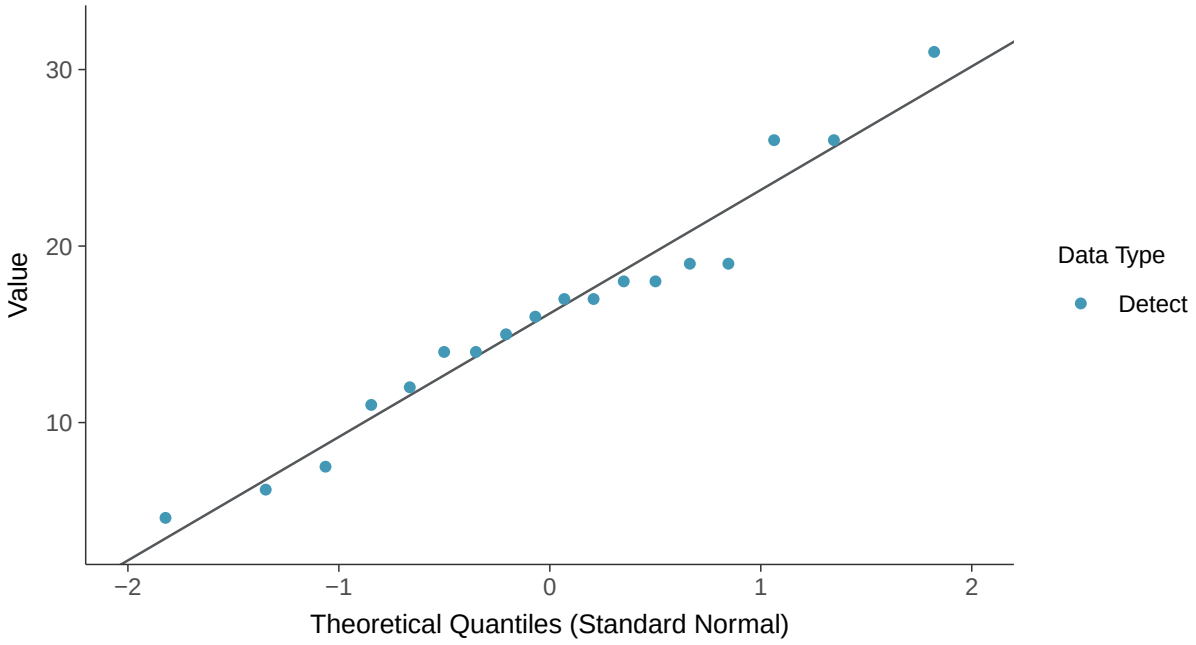
Boxplot by Season

Iron, MW-06 (mg/L)



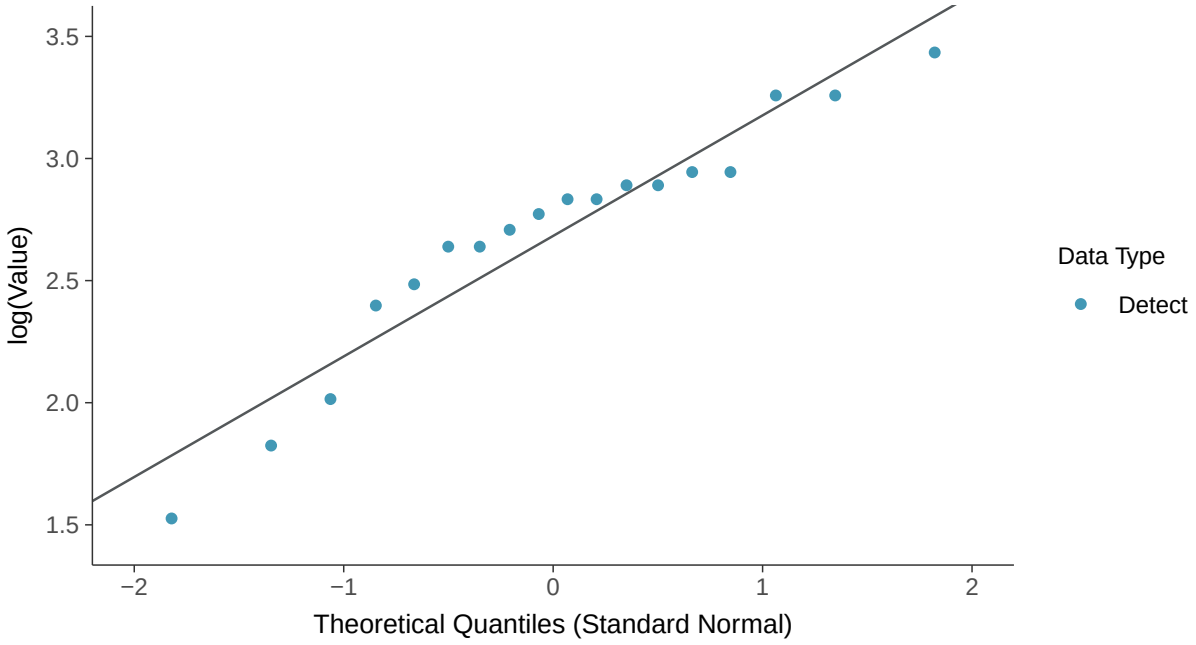
Normal Q-Q plot

Iron, MW-06 (mg/L)



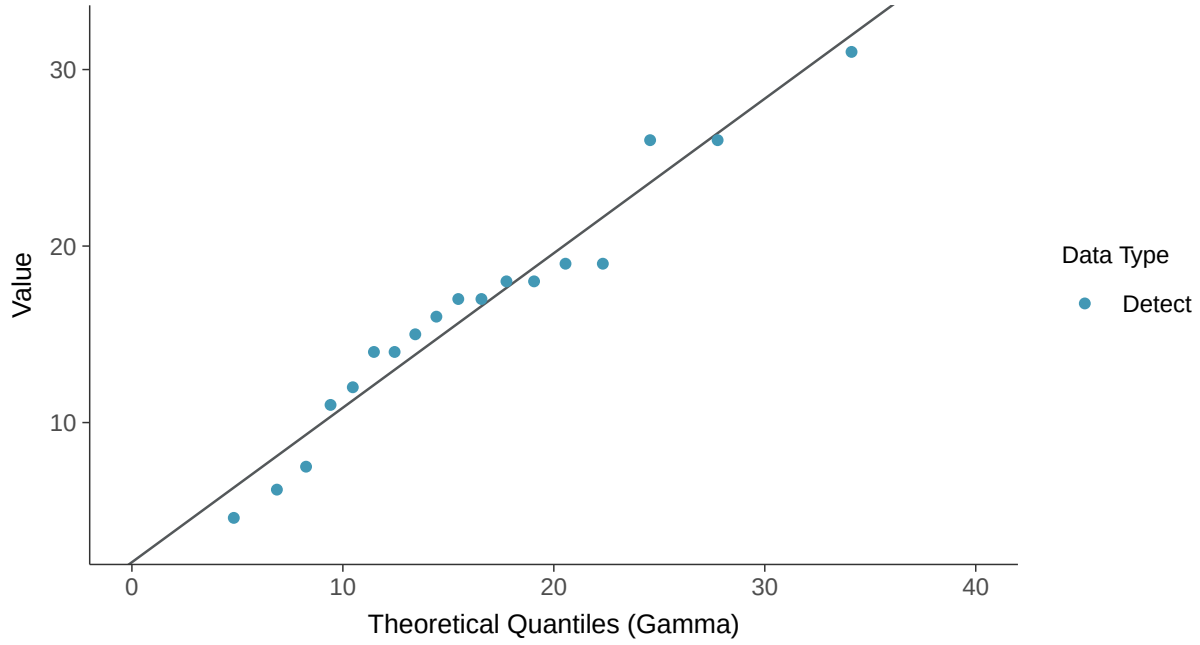
Lognormal Q-Q plot

Iron, MW-06 (mg/L)



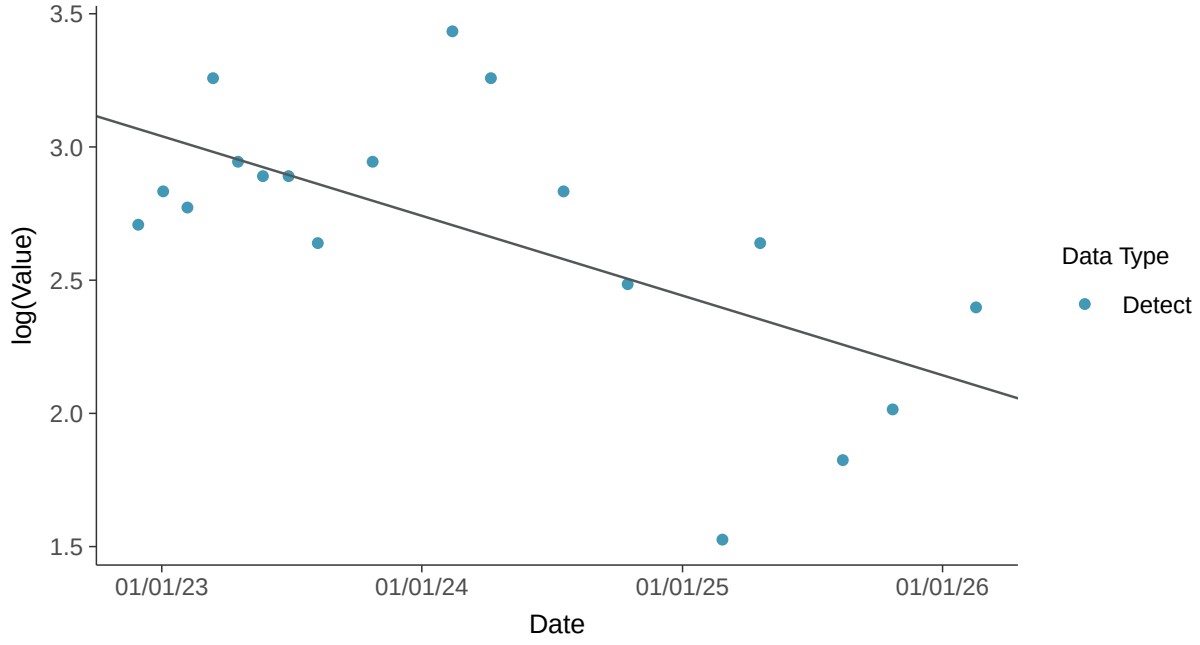
Gamma Q-Q plot

Iron, MW-06 (mg/L)



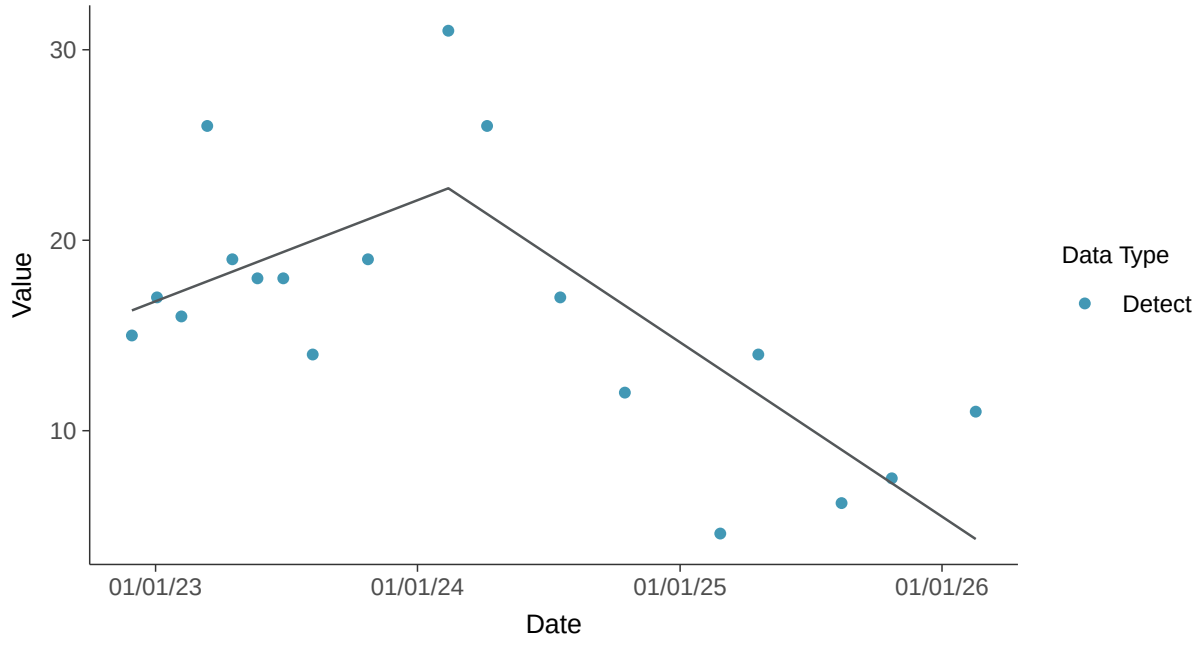
Trend Regression: Lognormal MLE

Iron, MW-06 (mg/L)



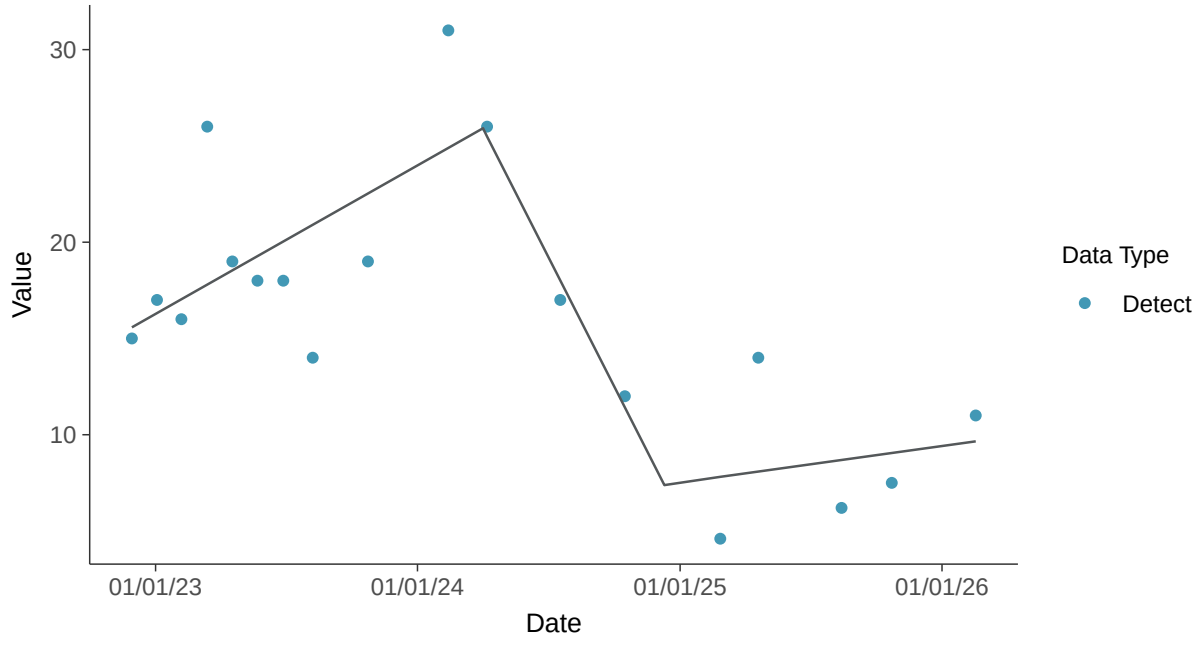
Trend Regression: Piecewise Linear-Linear

Iron, MW-06 (mg/L)



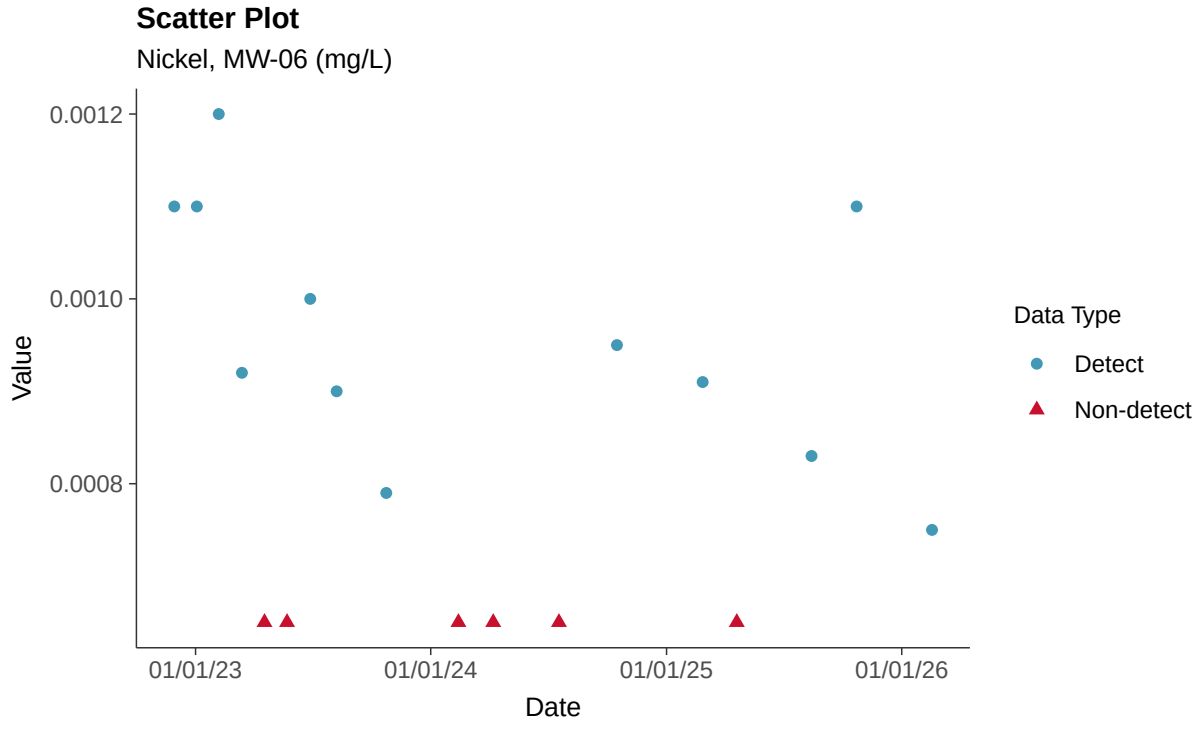
Trend Regression: Piecewise Linear-Linear-Linear

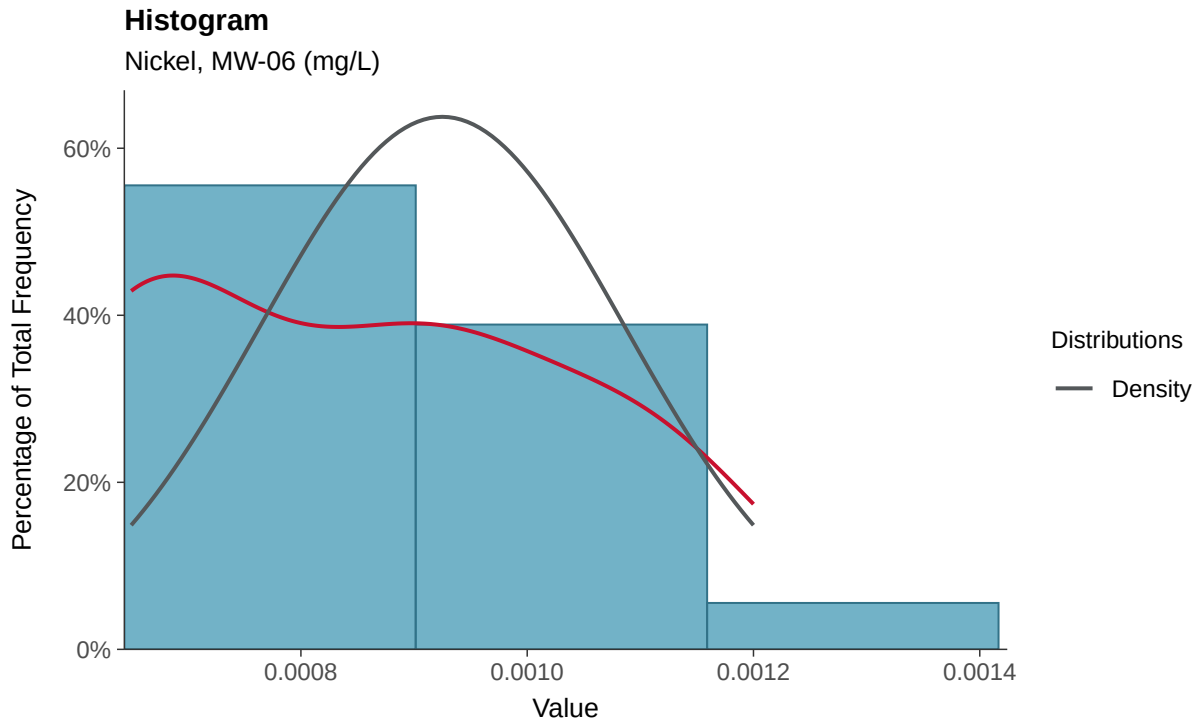
Iron, MW-06 (mg/L)



Part 115: Nickel, MW-06

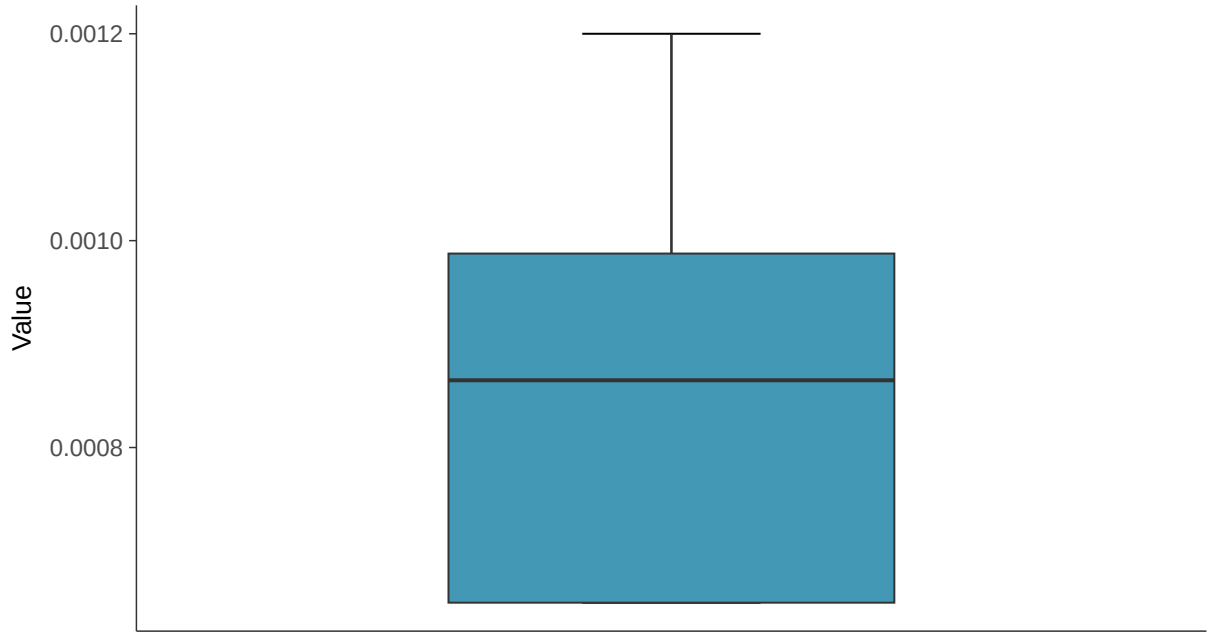
ID: 16_1_5_119





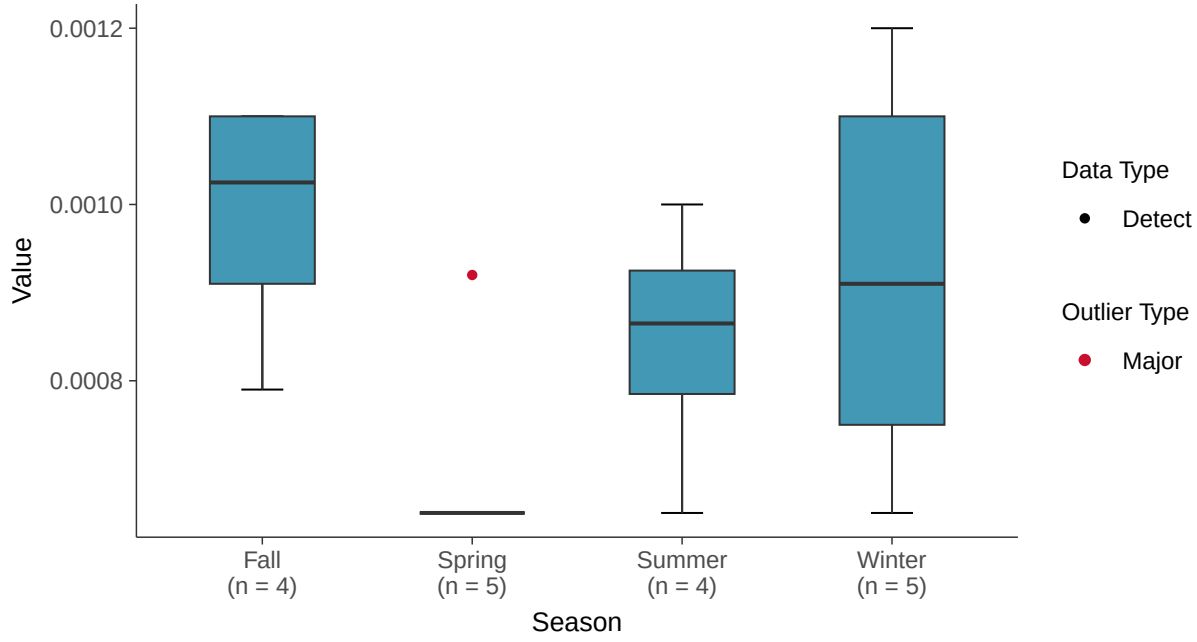
Boxplot

Nickel, MW-06 (mg/L)



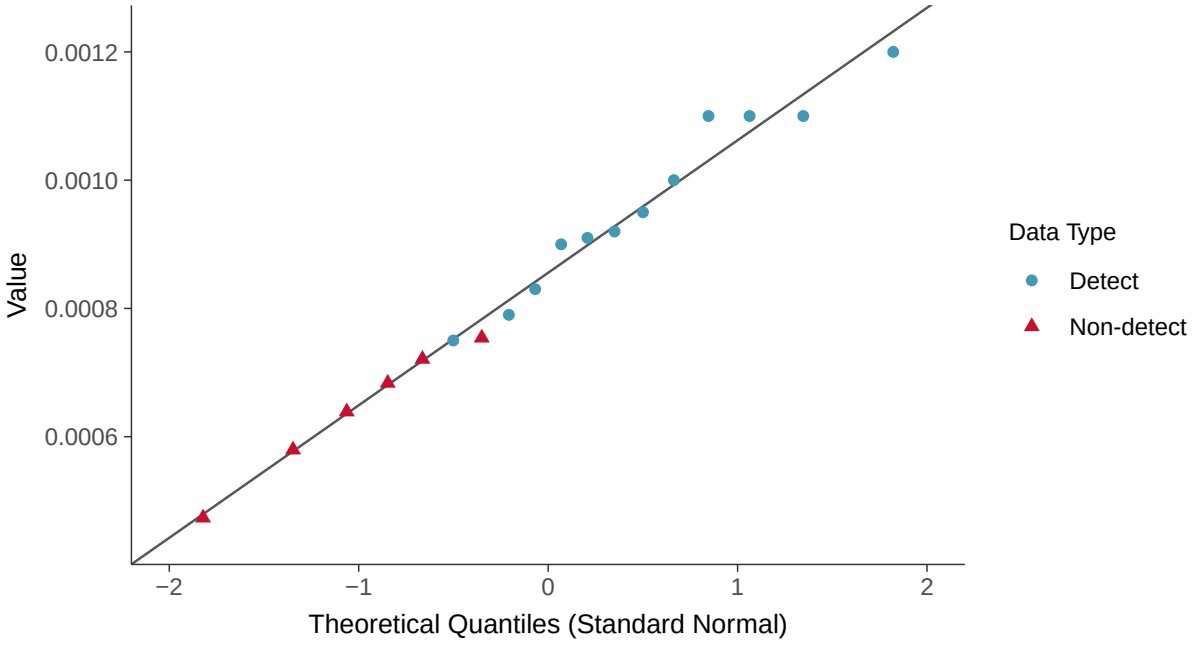
Boxplot by Season

Nickel, MW-06 (mg/L)



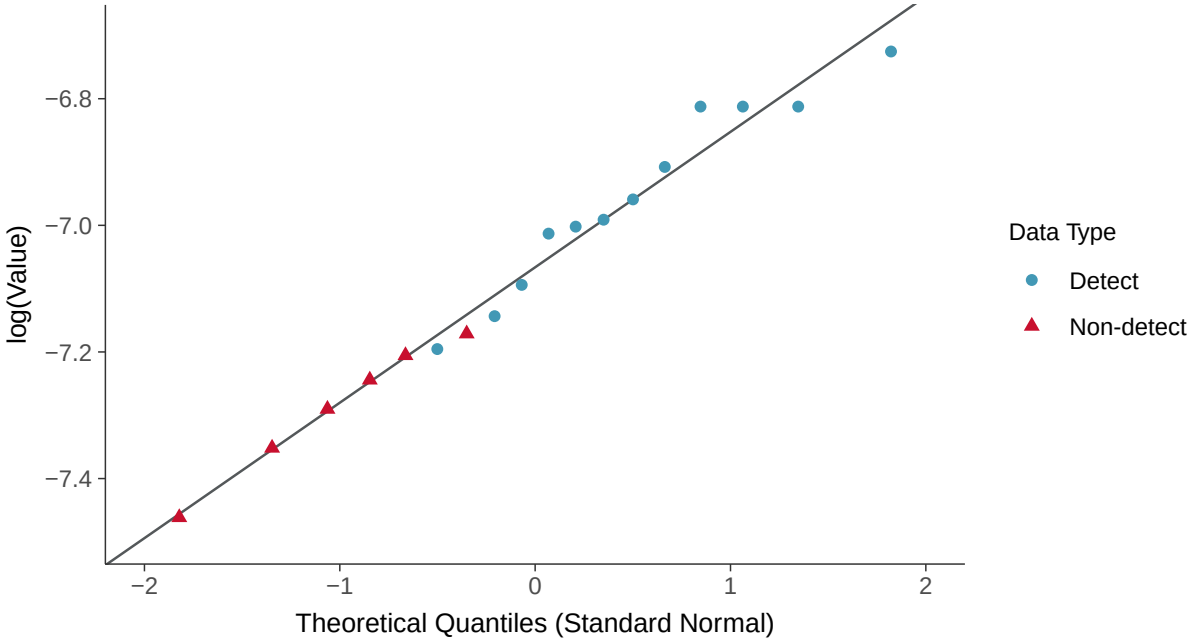
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-06 (mg/L)



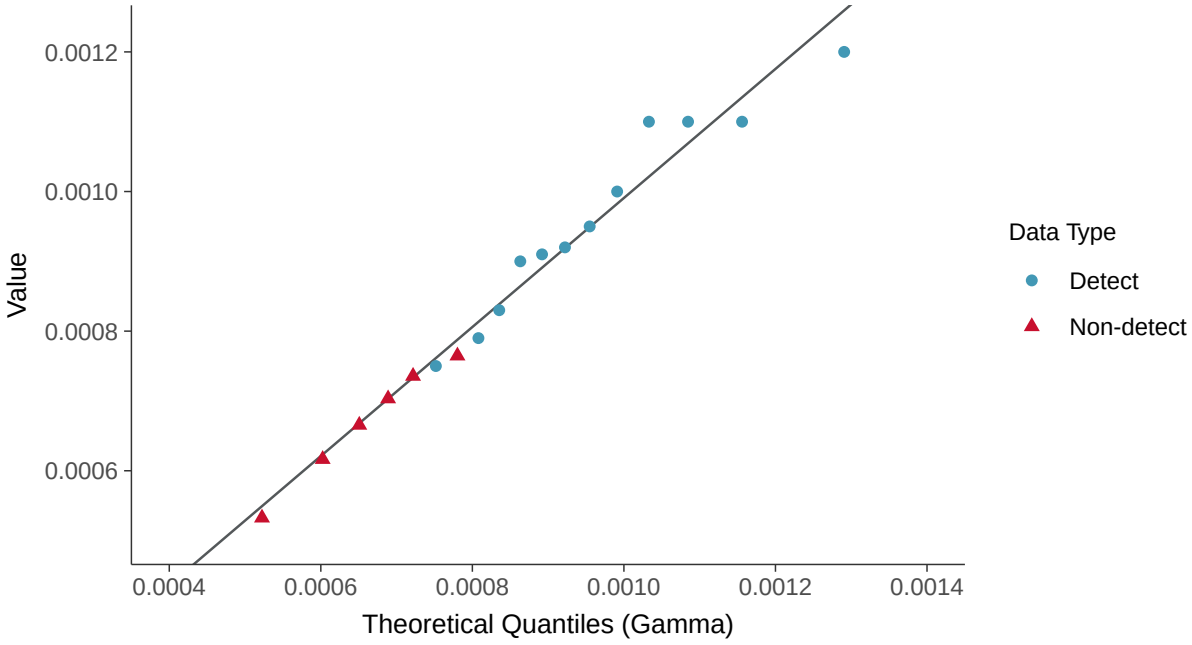
Lognormal Q-Q plot using ROS Imputed Estimates

Nickel, MW-06 (mg/L)



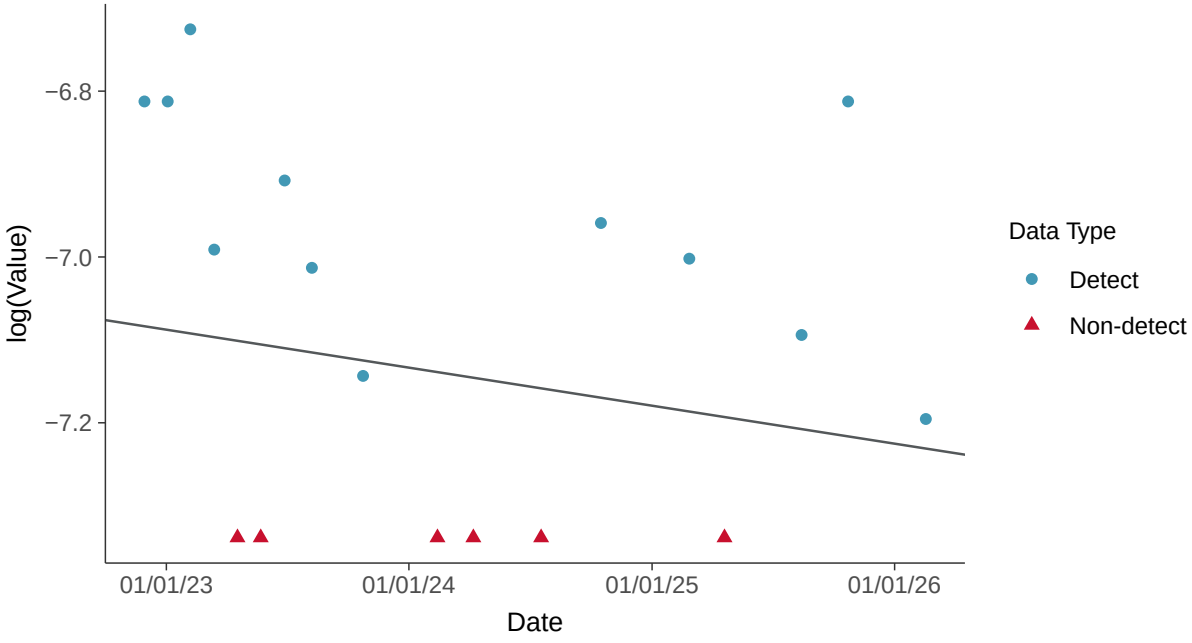
Gamma Q-Q plot using ROS Imputed Estimates

Nickel, MW-06 (mg/L)



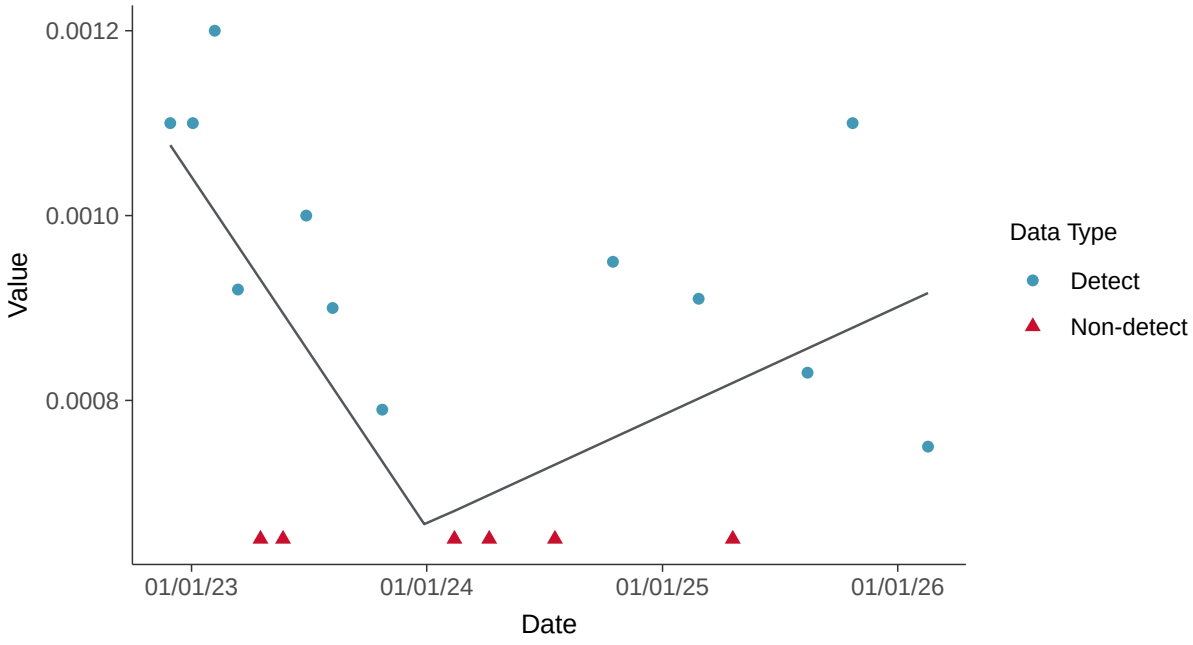
Trend Regression: Lognormal MLE

Nickel, MW-06 (mg/L)



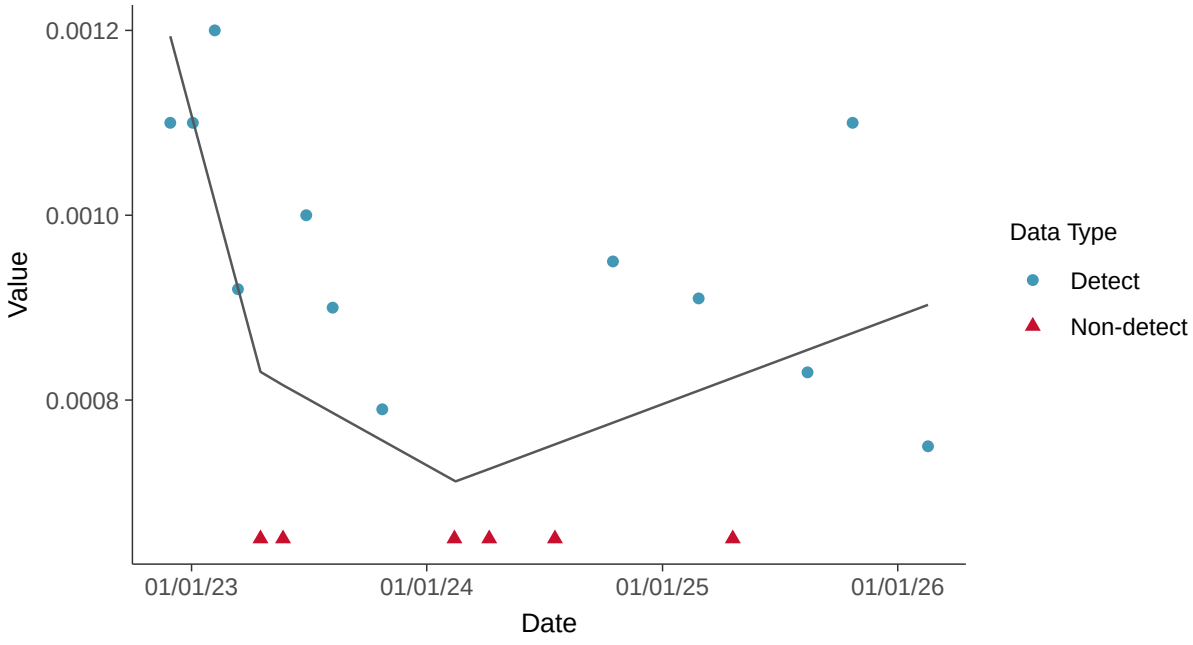
Trend Regression: Piecewise Linear-Linear

Nickel, MW-06 (mg/L)



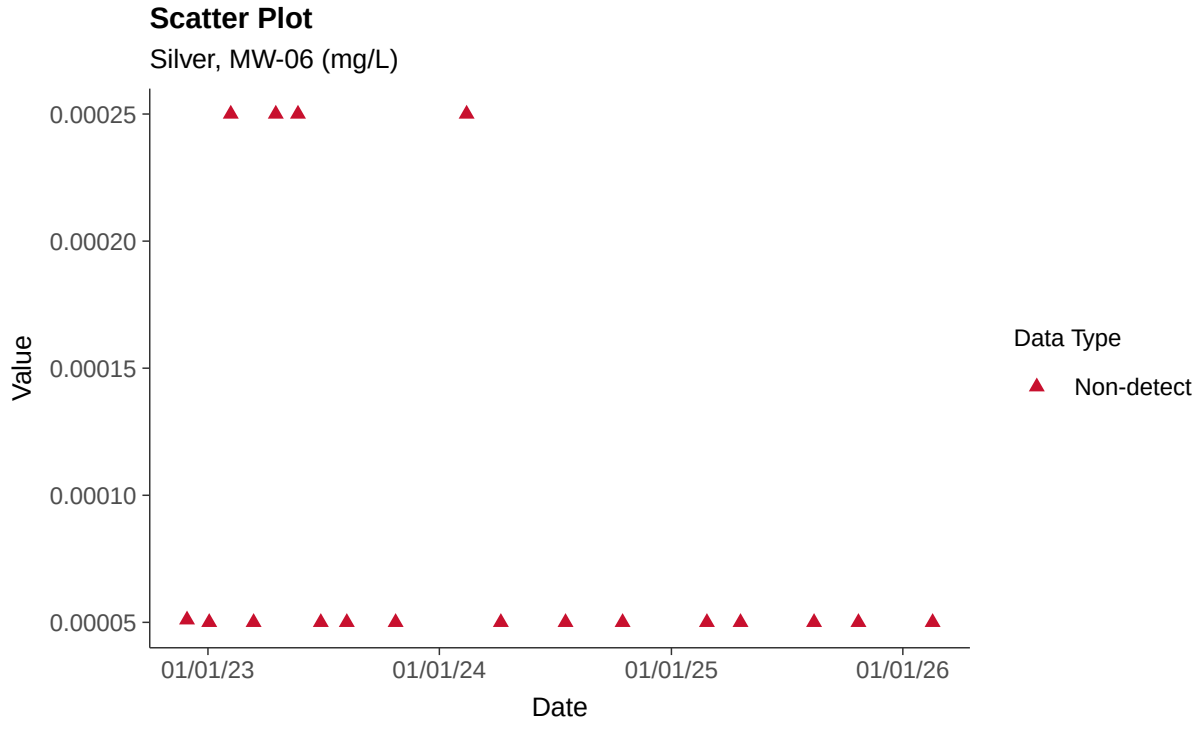
Trend Regression: Piecewise Linear-Linear-Linear

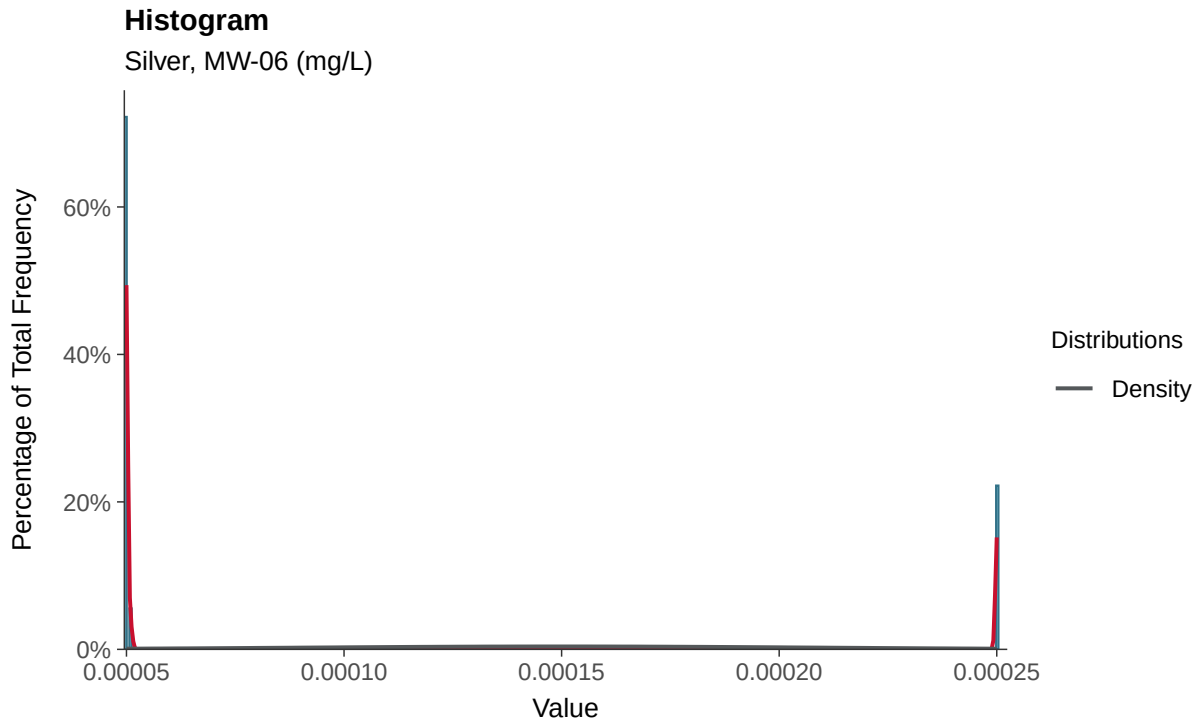
Nickel, MW-06 (mg/L)



Part 115: Silver, MW-06

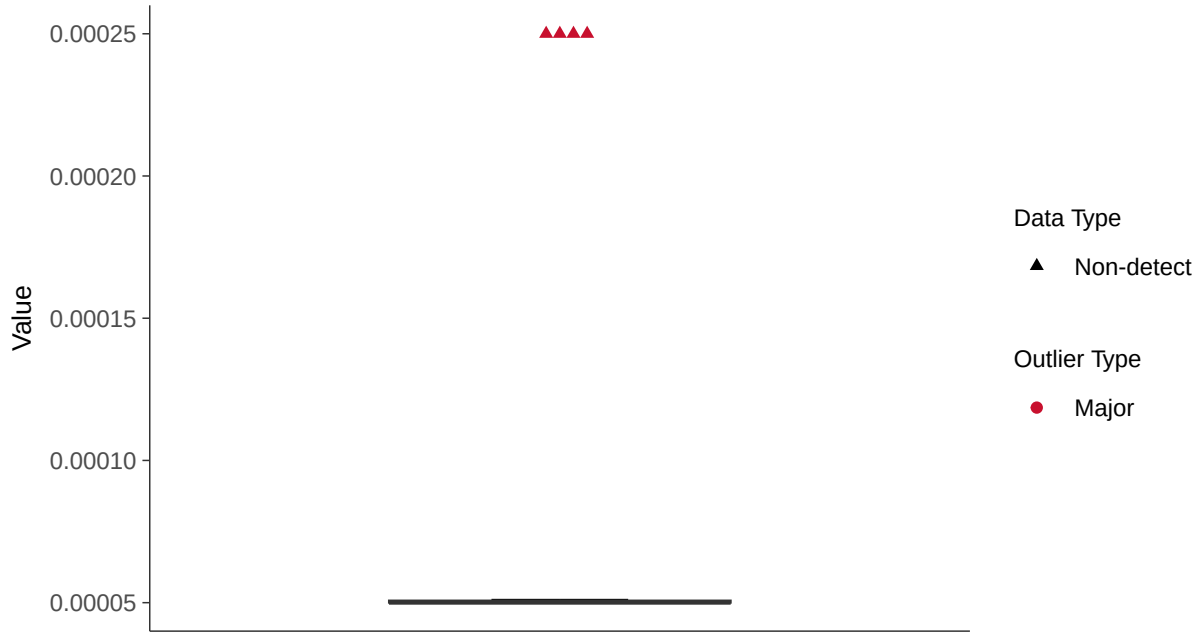
ID: 16_1_5_123





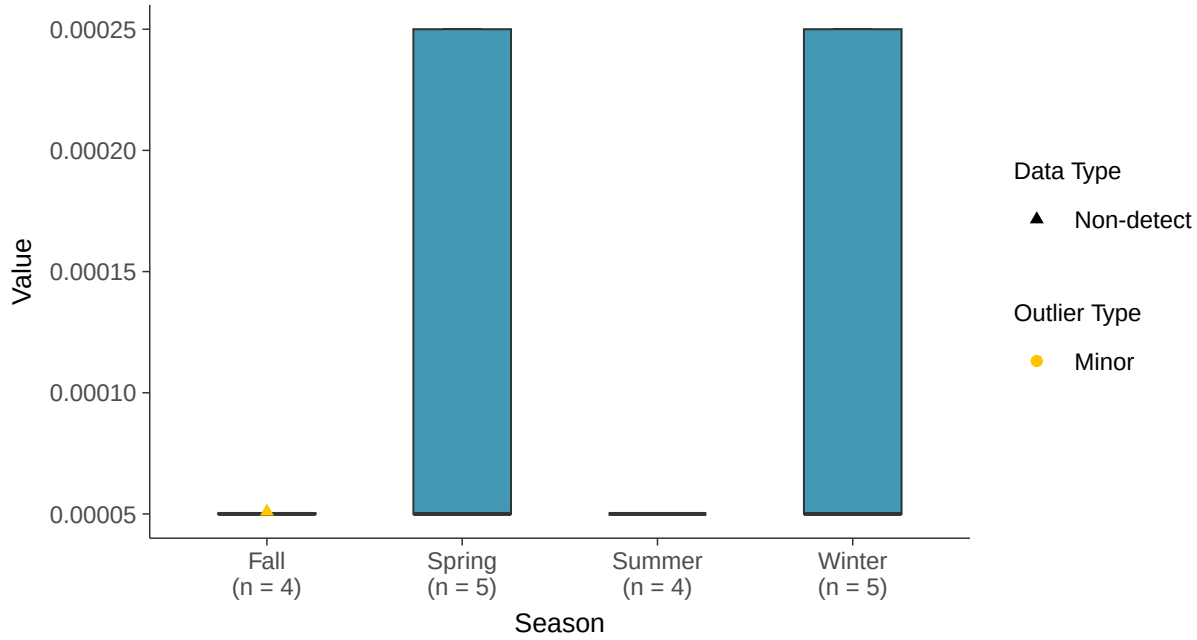
Boxplot

Silver, MW-06 (mg/L)



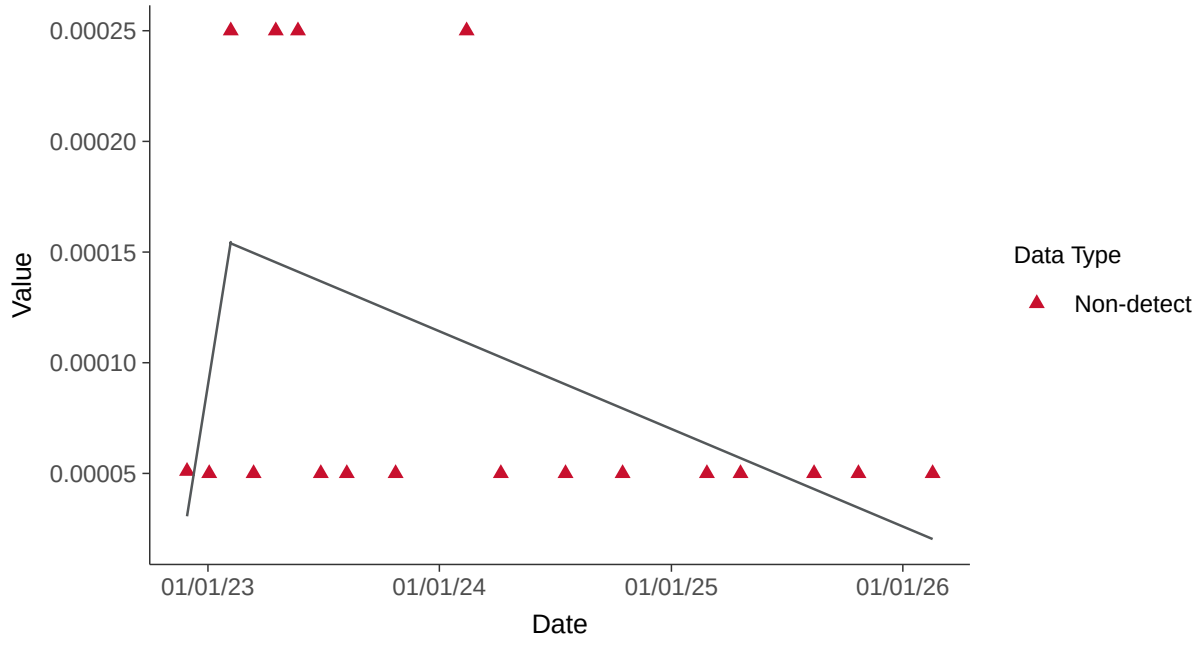
Boxplot by Season

Silver, MW-06 (mg/L)



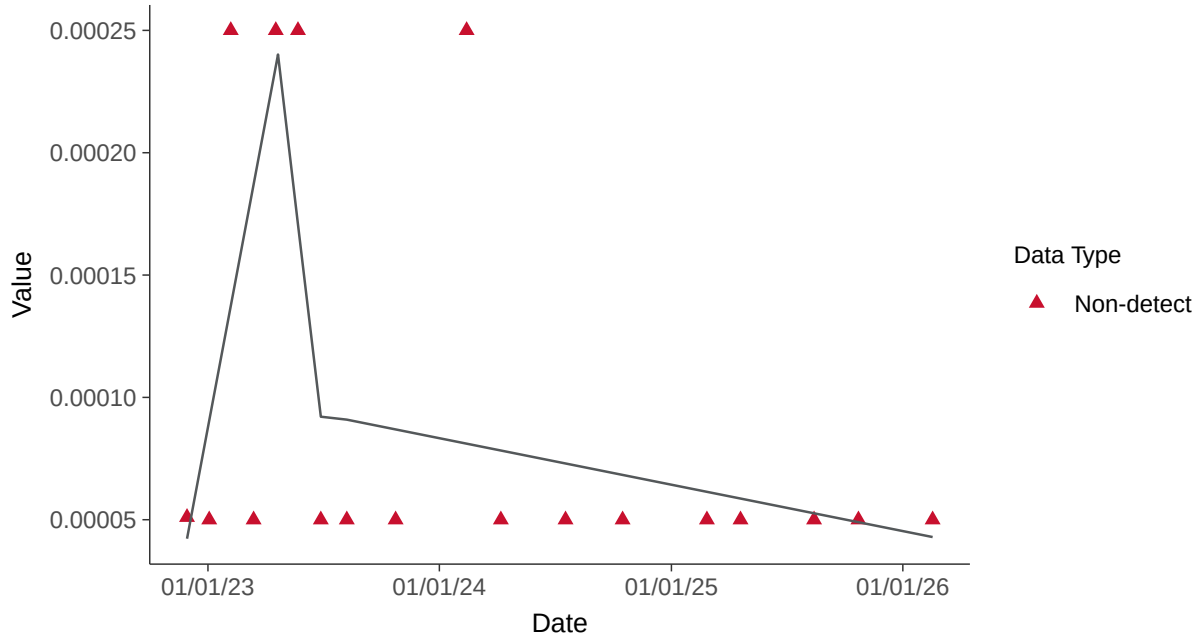
Trend Regression: Piecewise Linear-Linear

Silver, MW-06 (mg/L)



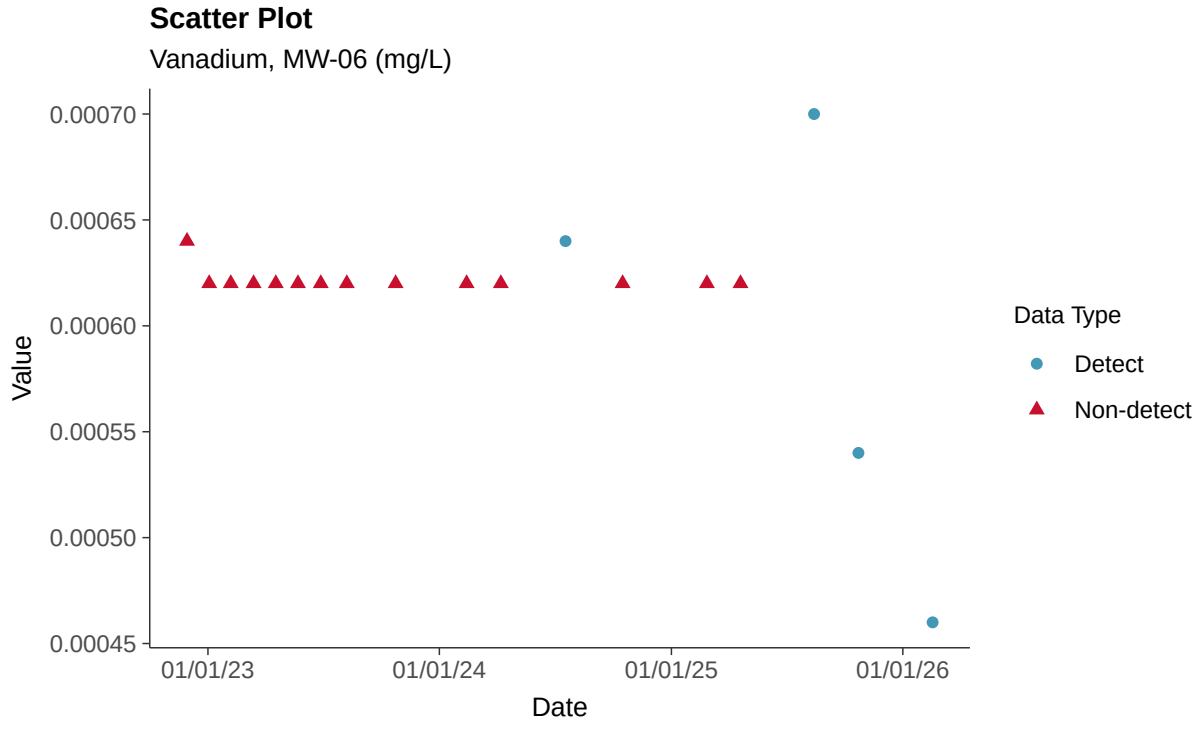
Trend Regression: Piecewise Linear-Linear-Linear

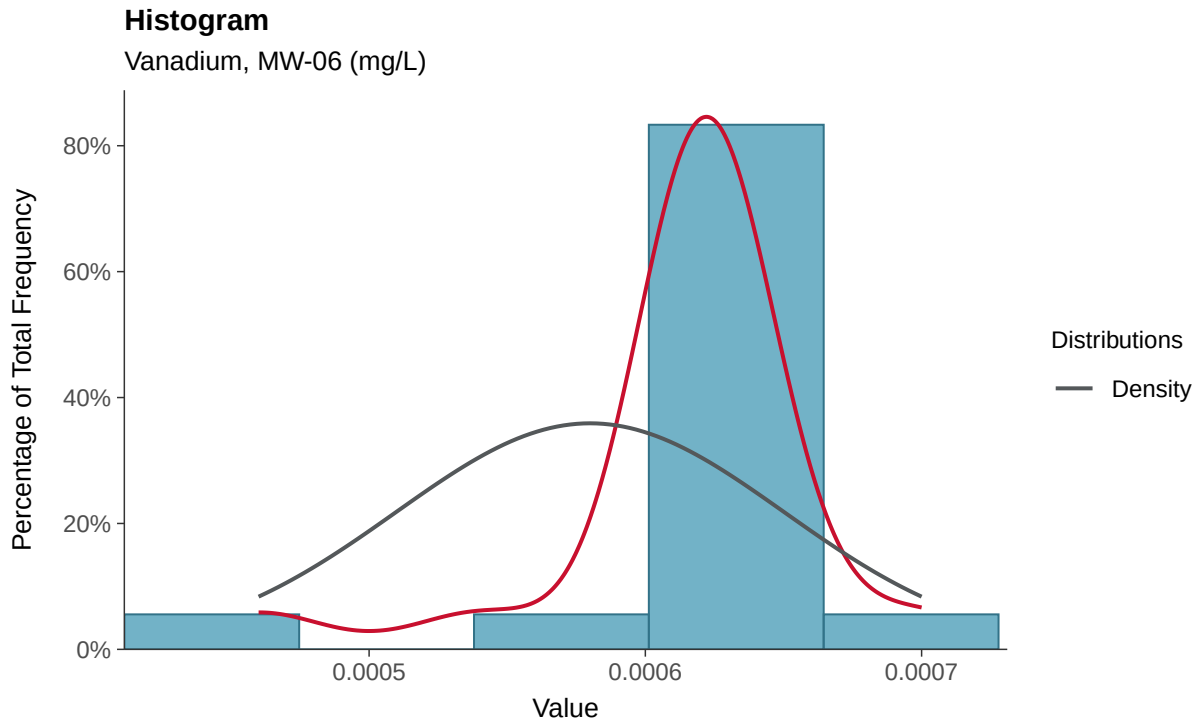
Silver, MW-06 (mg/L)



Part 115: Vanadium, MW-06

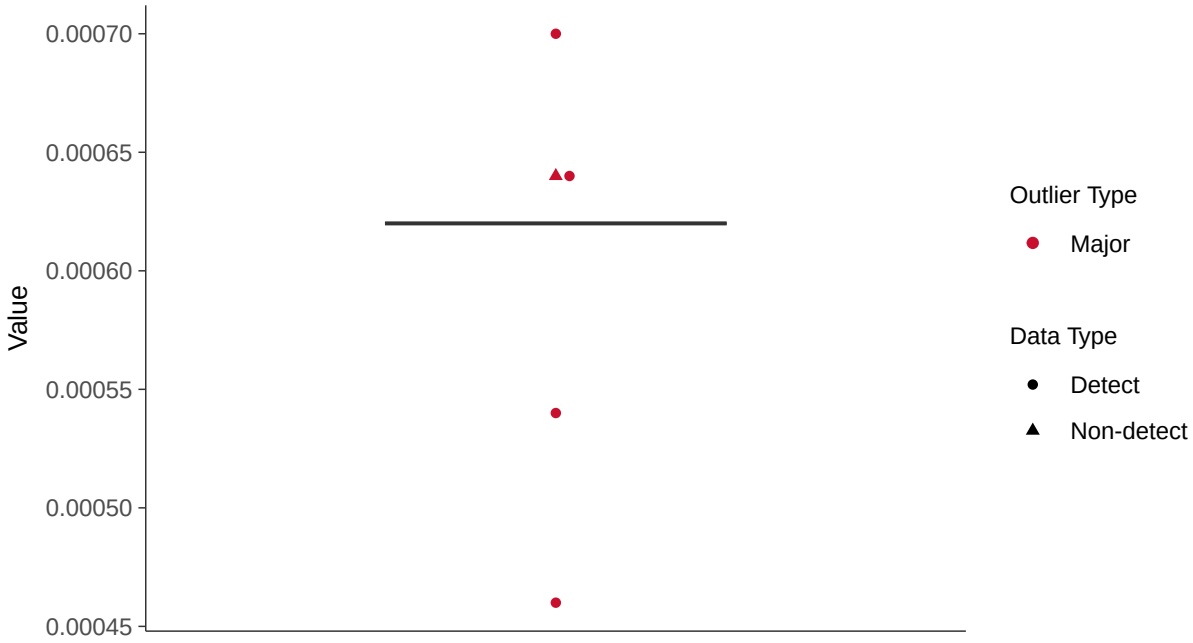
ID: 16_1_5_128





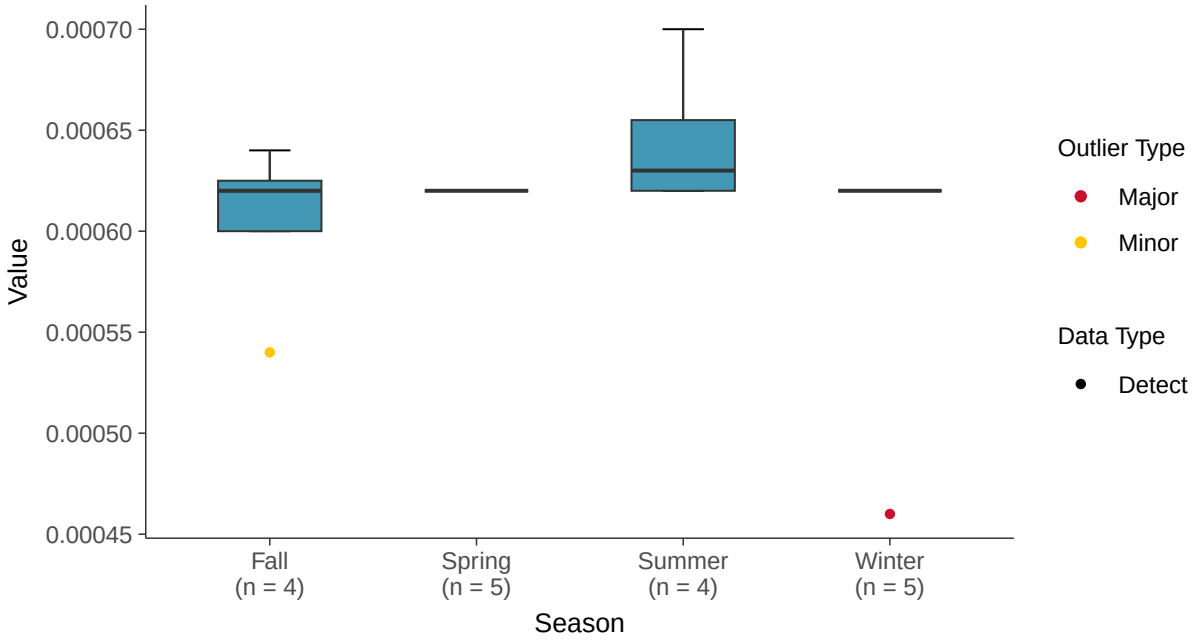
Boxplot

Vanadium, MW-06 (mg/L)



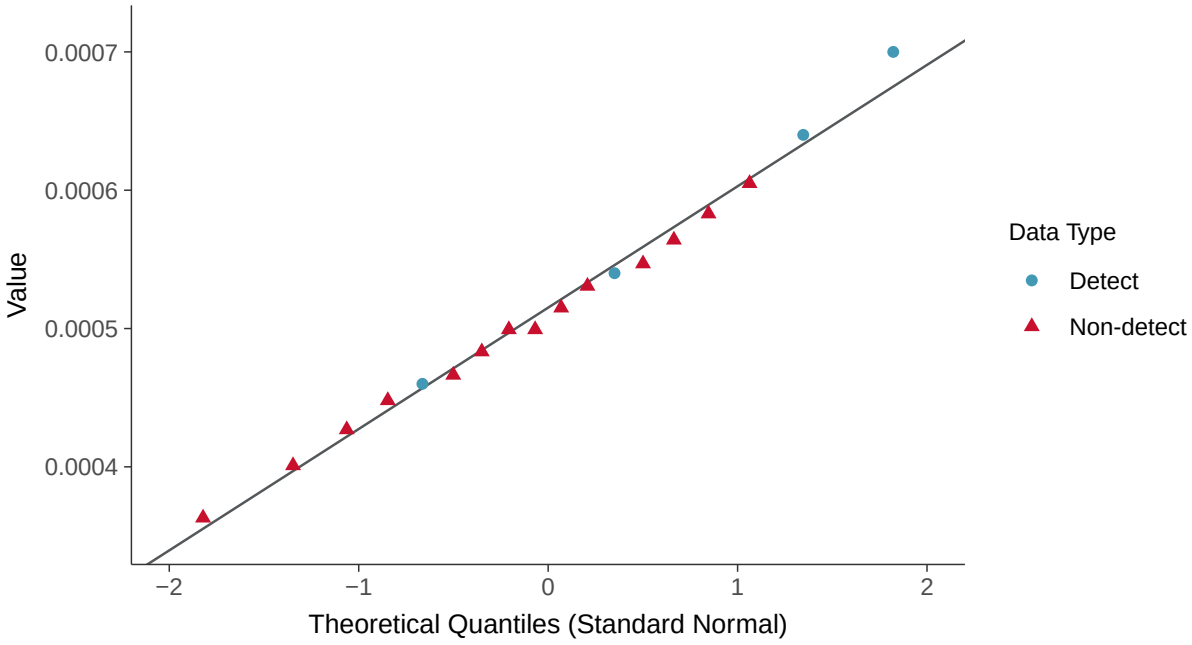
Boxplot by Season

Vanadium, MW-06 (mg/L)



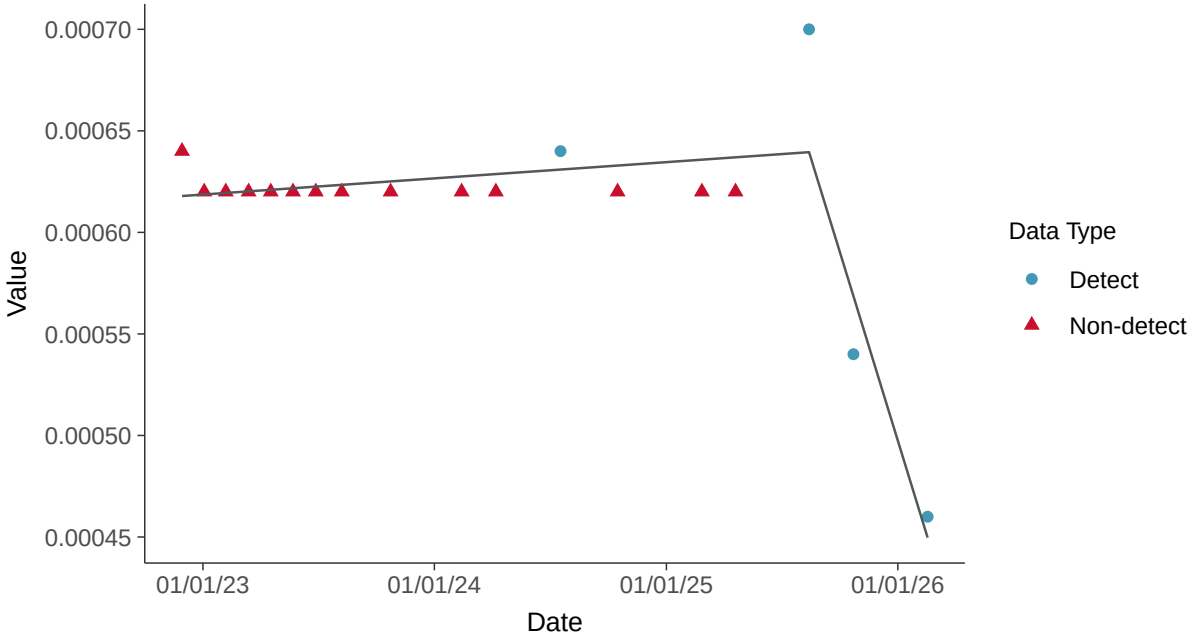
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-06 (mg/L)



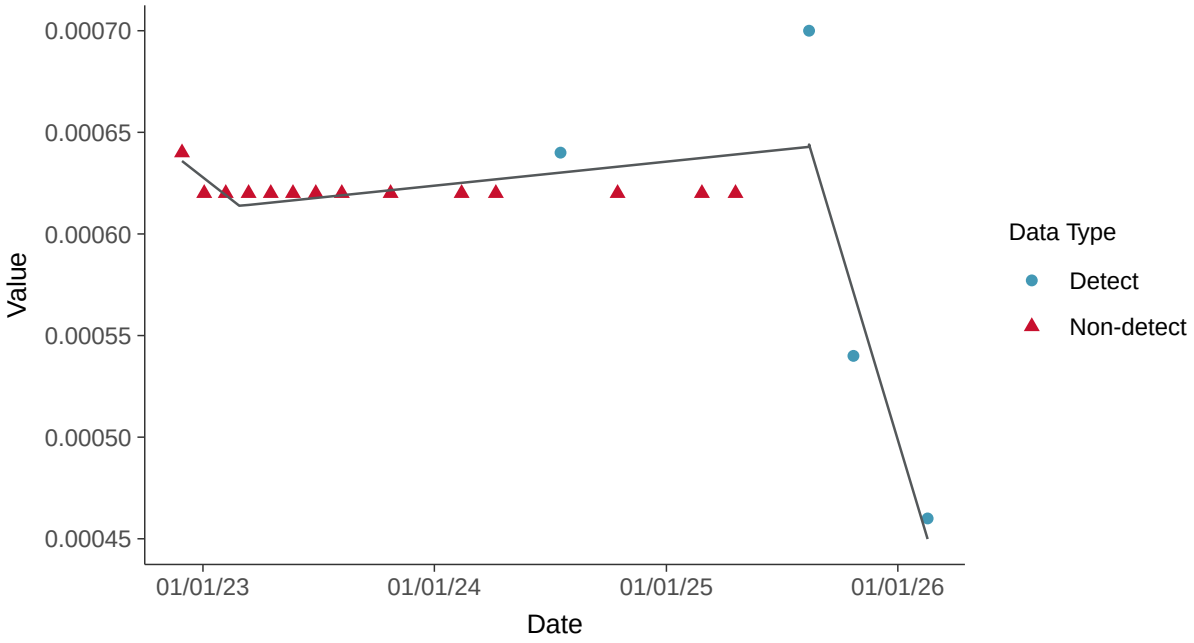
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-06 (mg/L)



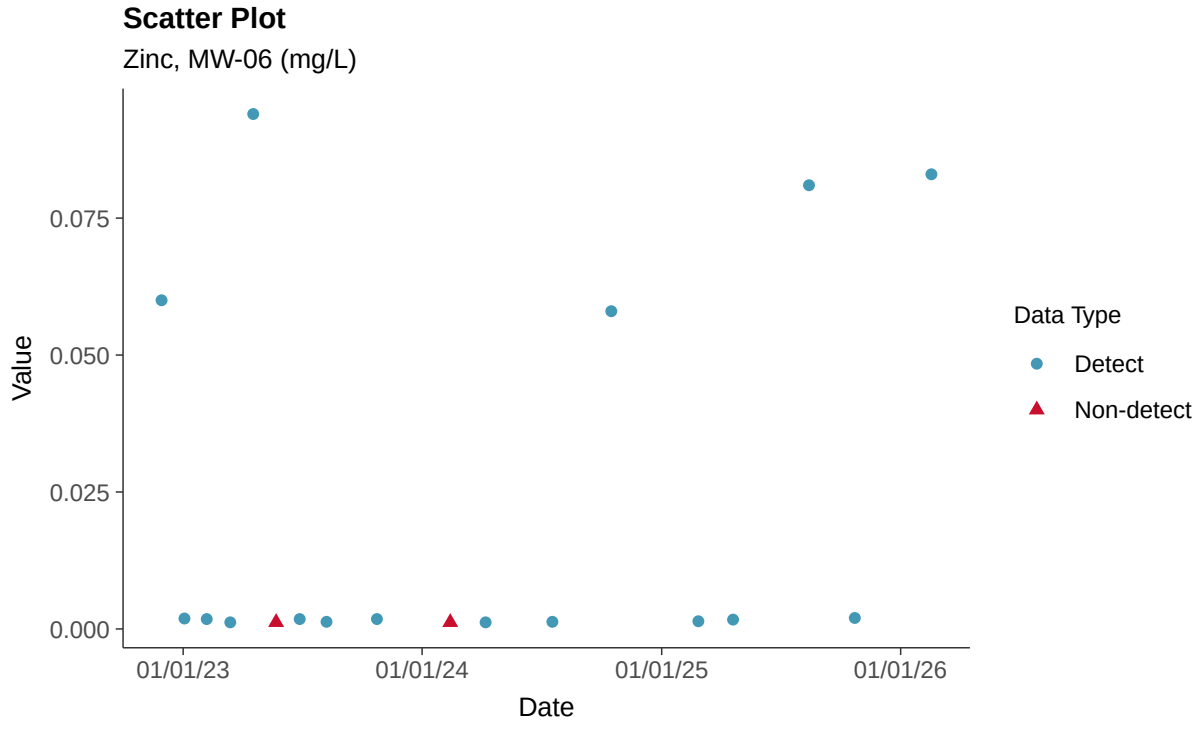
Trend Regression: Piecewise Linear-Linear-Linear

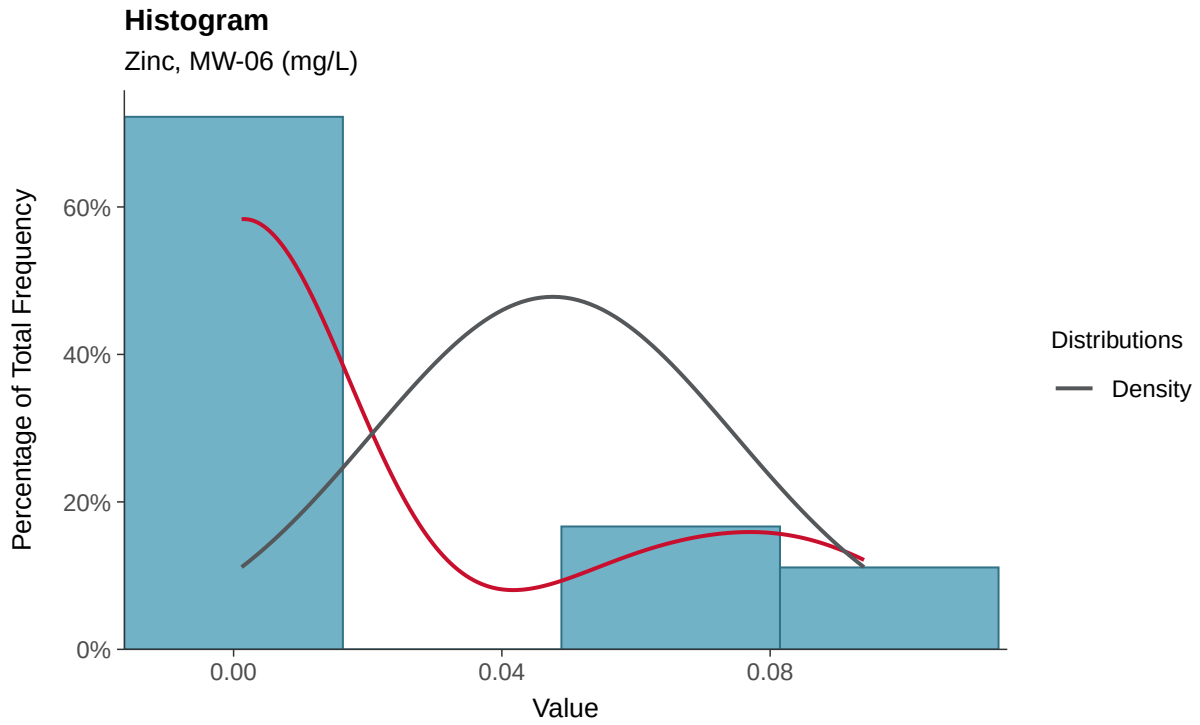
Vanadium, MW-06 (mg/L)



Part 115: Zinc, MW-06

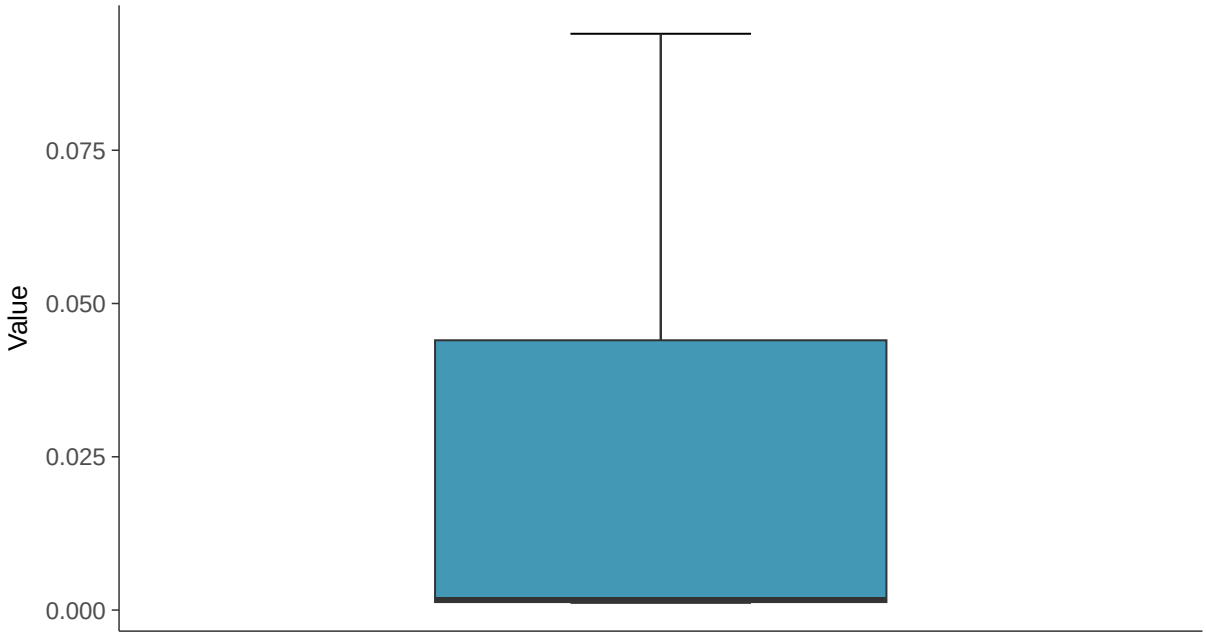
ID: 16_1_5_129





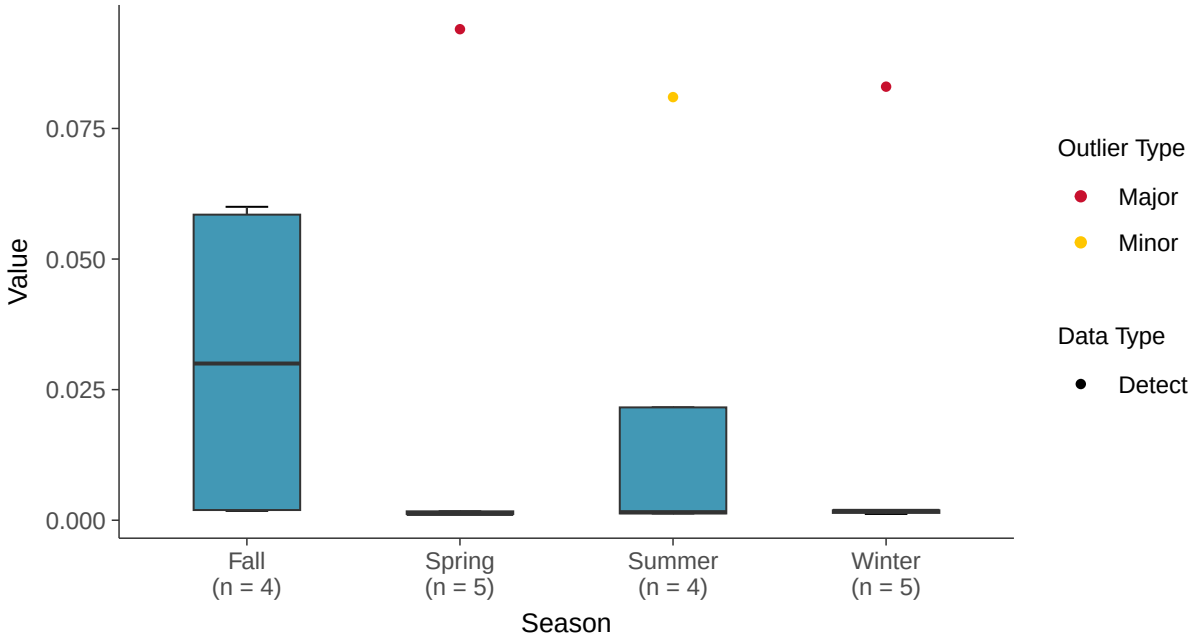
Boxplot

Zinc, MW-06 (mg/L)



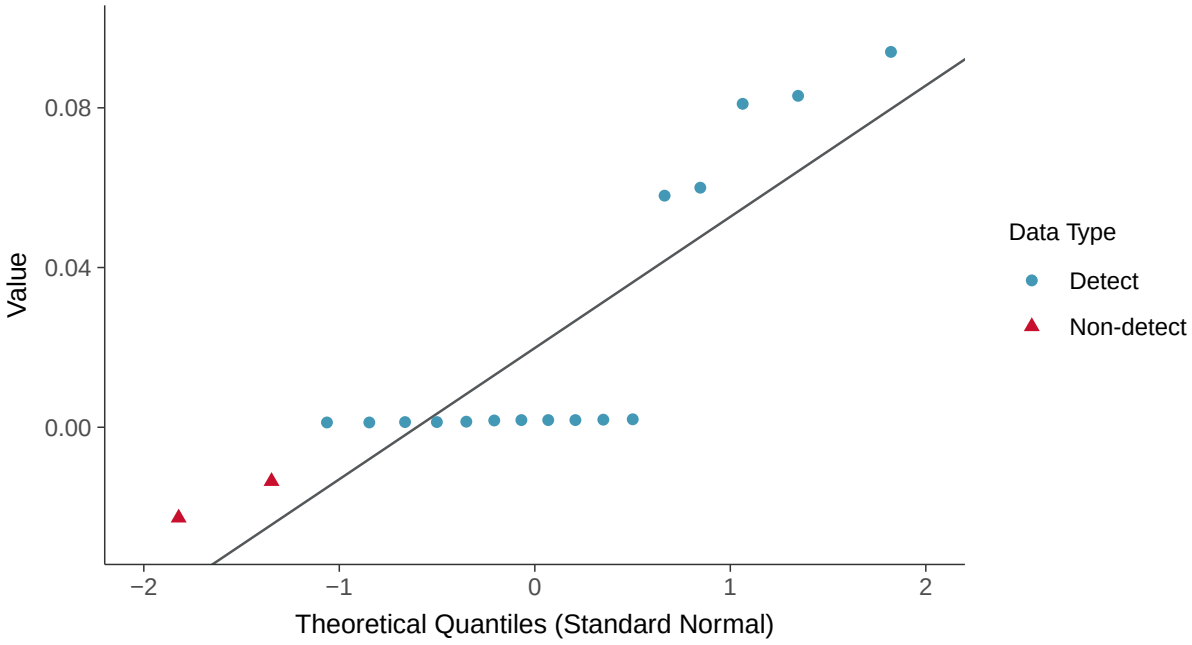
Boxplot by Season

Zinc, MW-06 (mg/L)



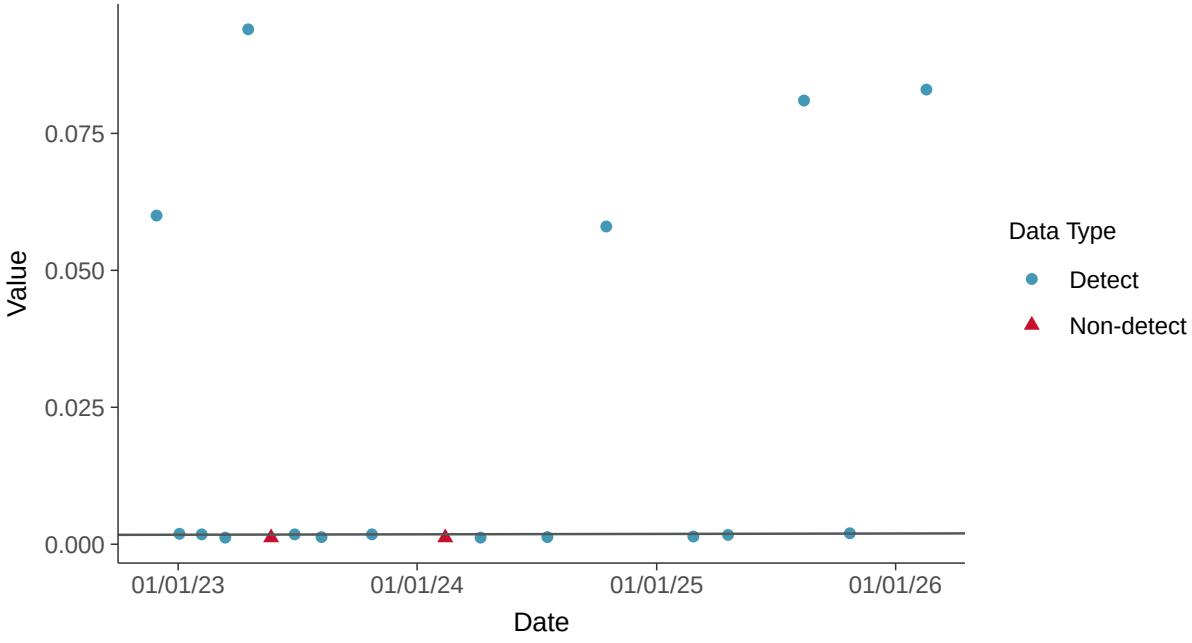
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-06 (mg/L)



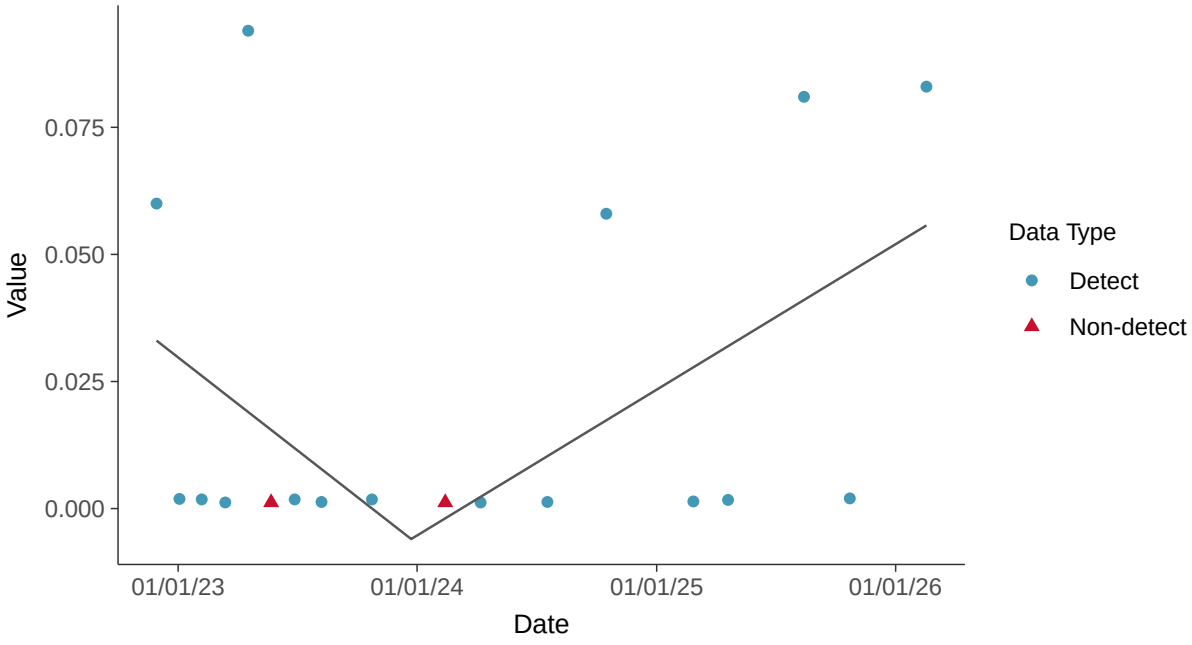
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Zinc, MW-06 (mg/L)



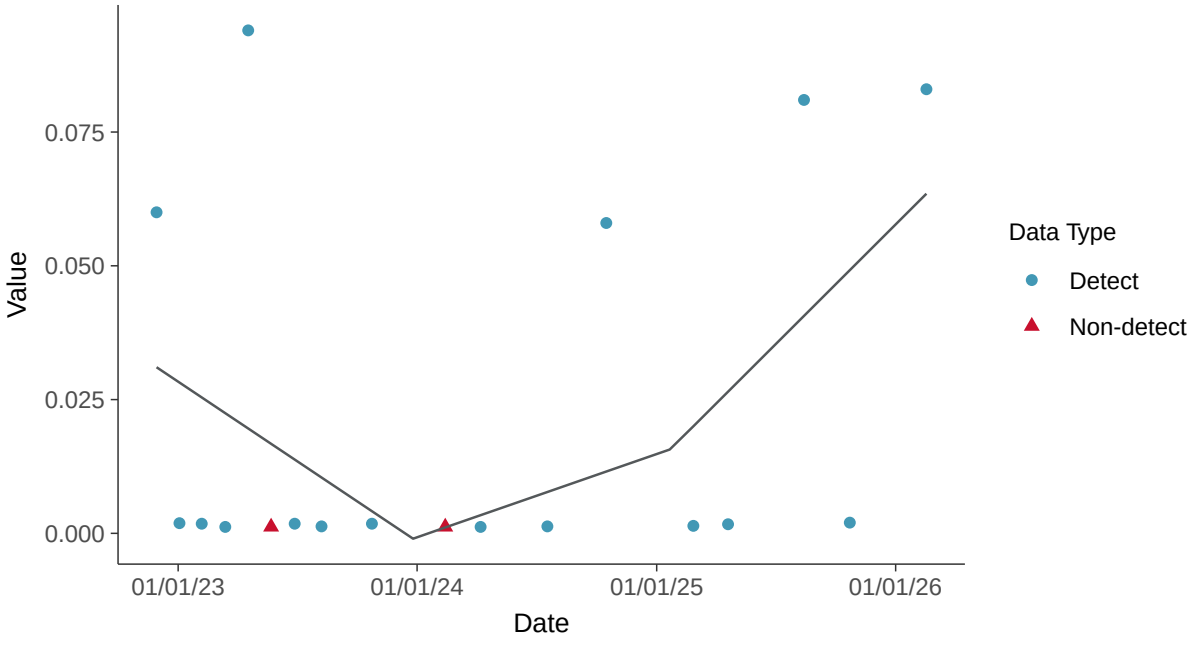
Trend Regression: Piecewise Linear-Linear

Zinc, MW-06 (mg/L)



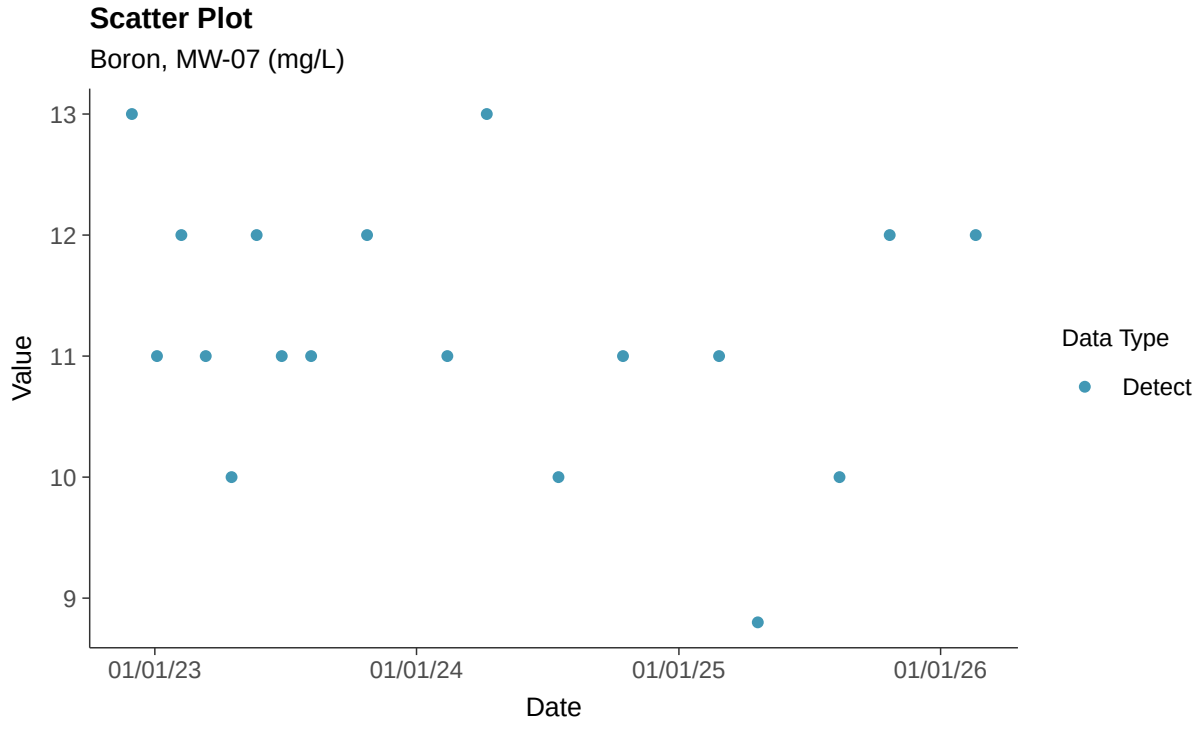
Trend Regression: Piecewise Linear-Linear-Linear

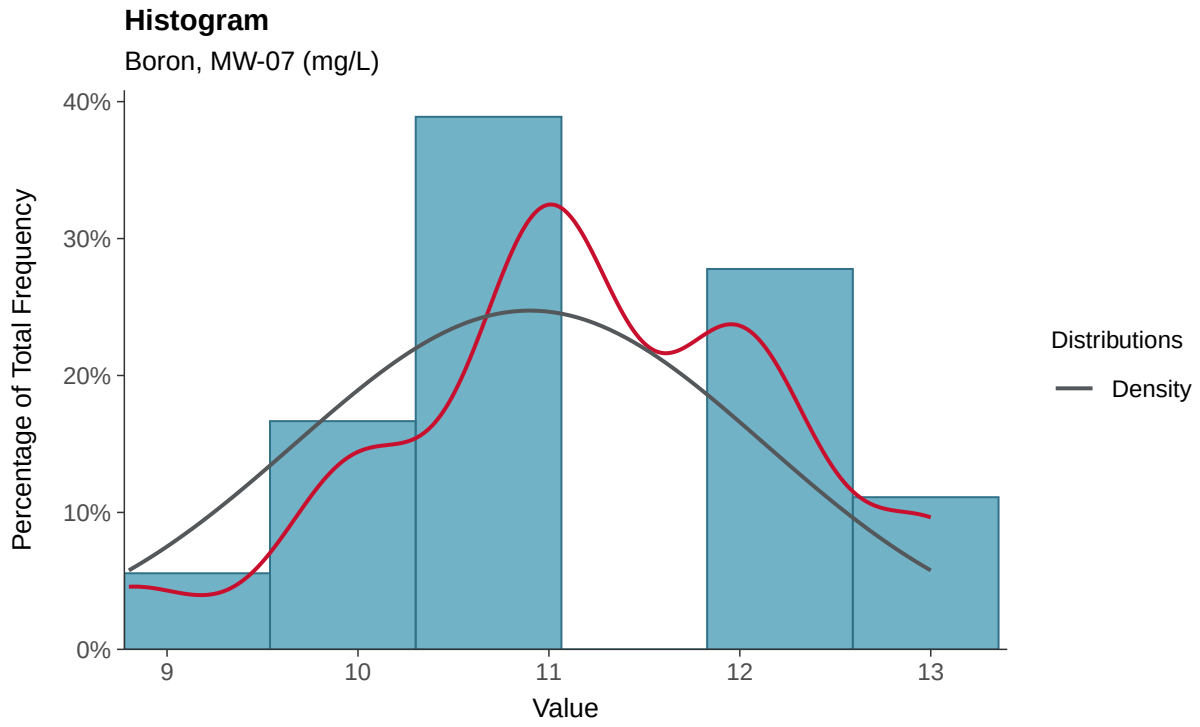
Zinc, MW-06 (mg/L)



Appendix III: Boron, MW-07

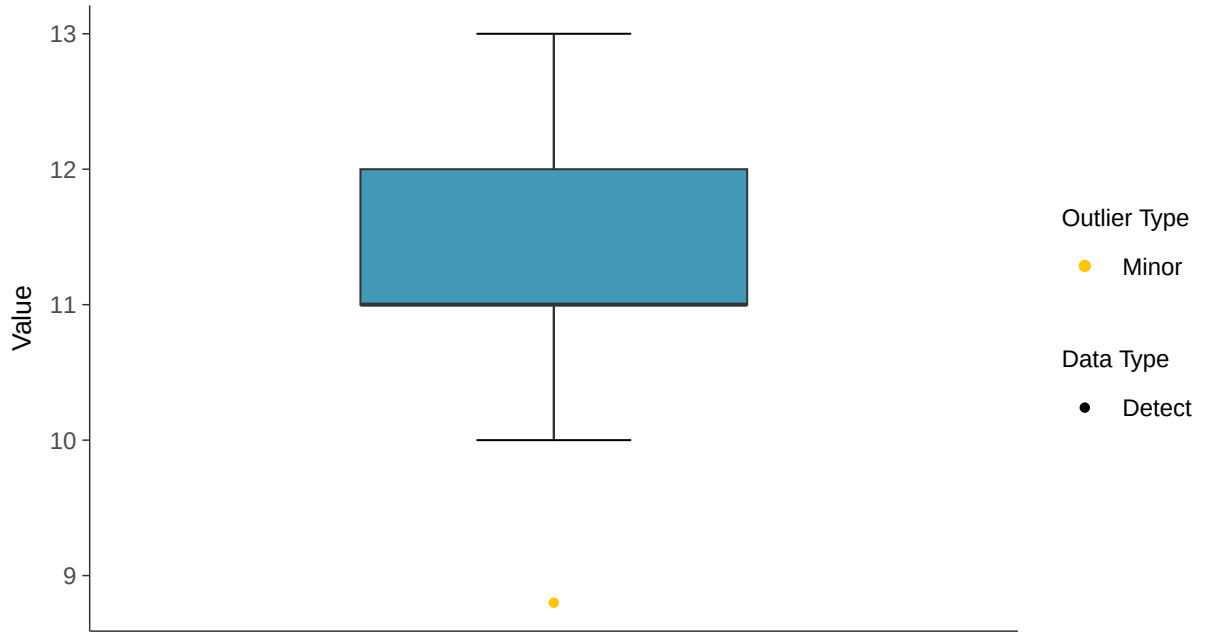
ID: 17_1_3_105





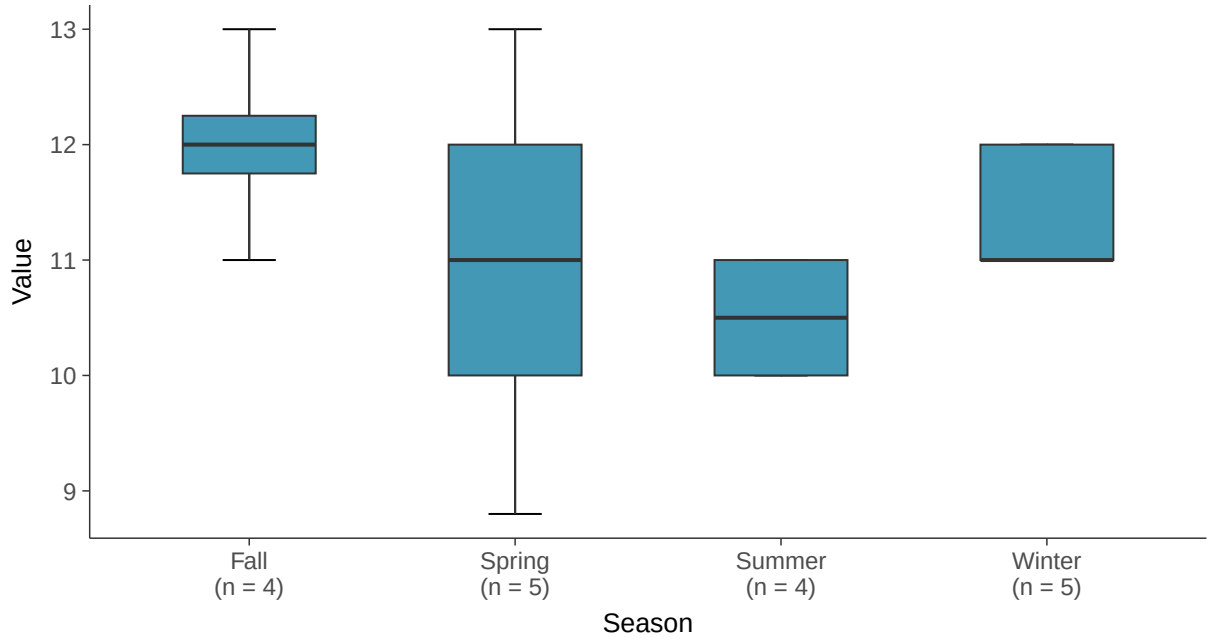
Boxplot

Boron, MW-07 (mg/L)



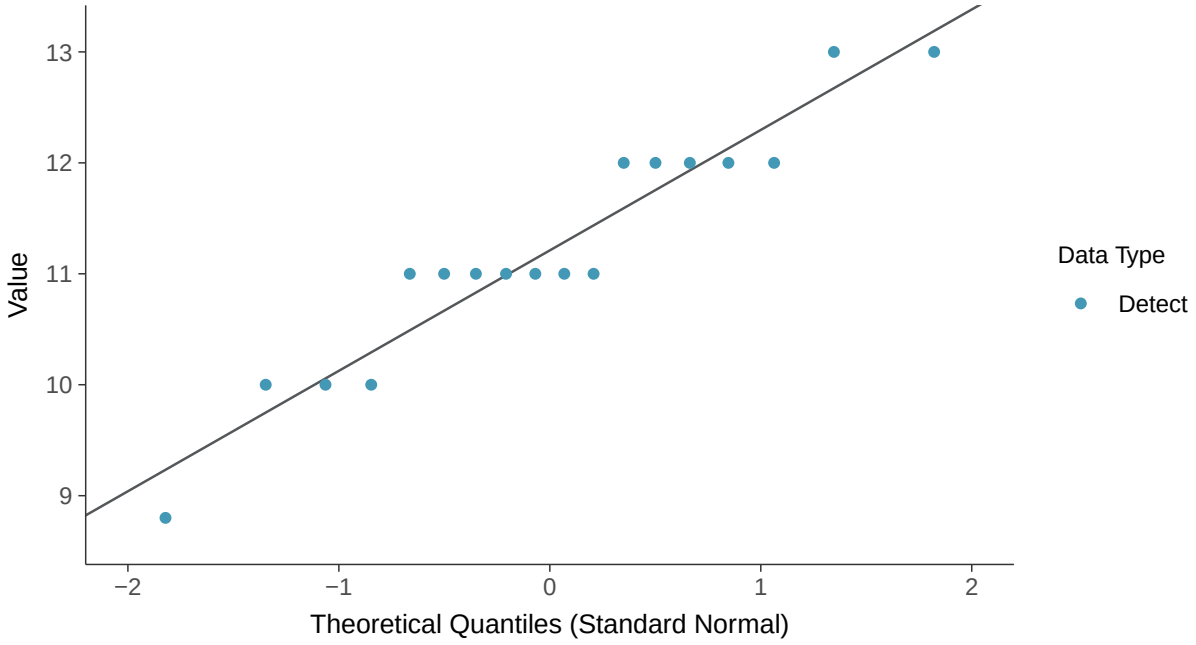
Boxplot by Season

Boron, MW-07 (mg/L)



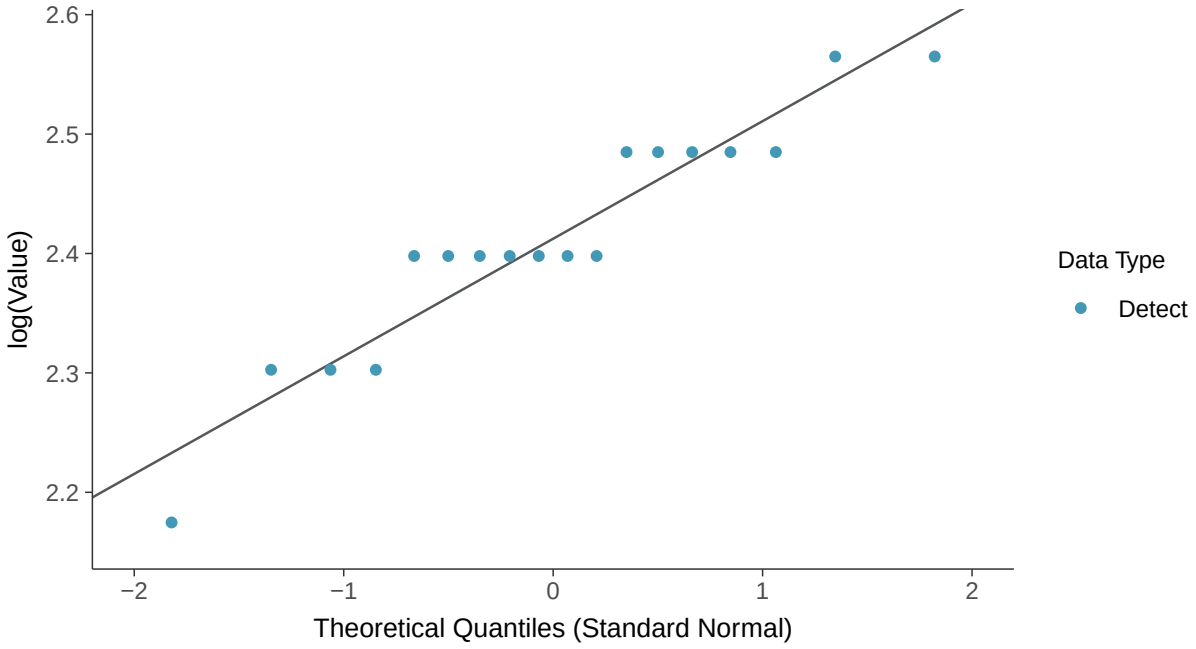
Normal Q-Q plot

Boron, MW-07 (mg/L)



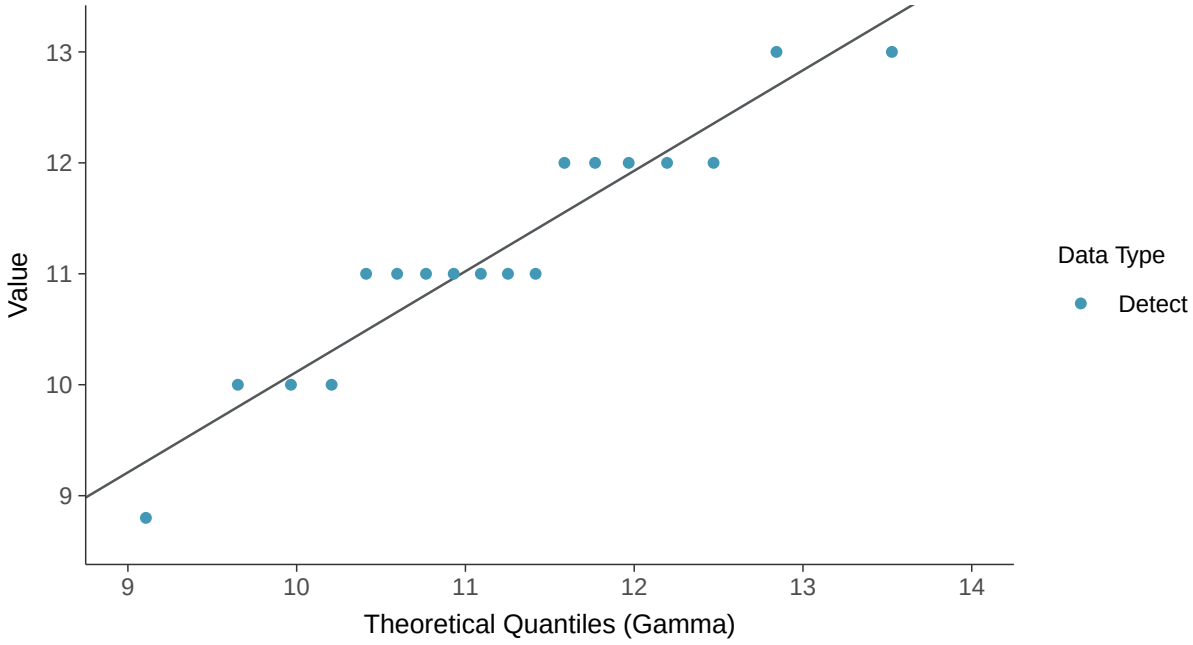
Lognormal Q-Q plot

Boron, MW-07 (mg/L)



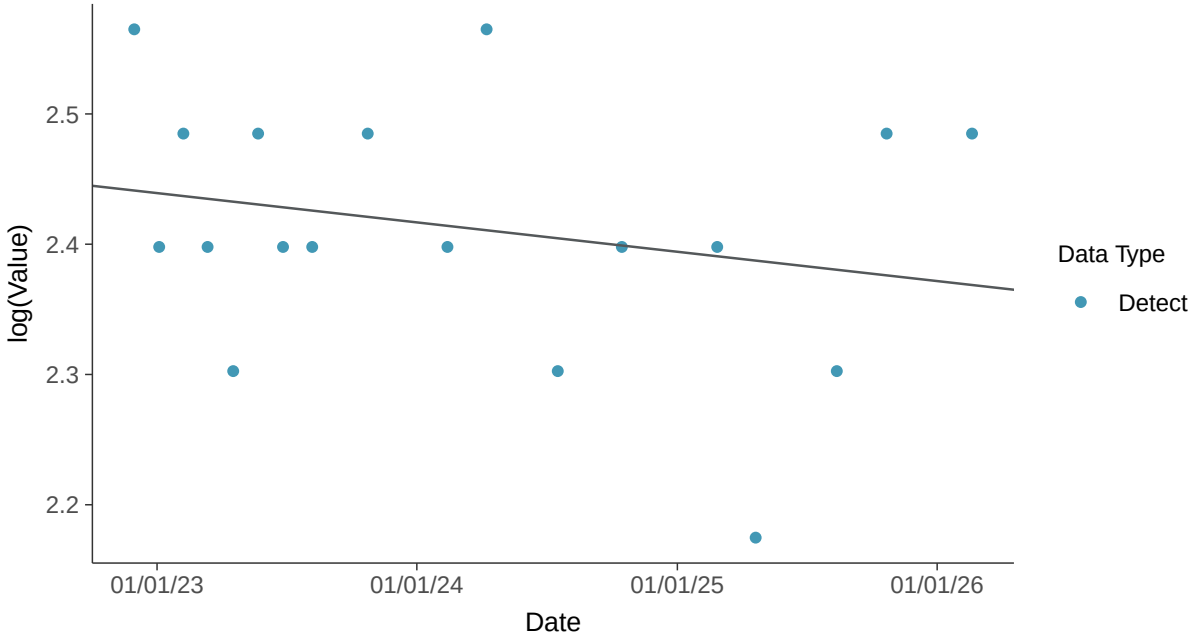
Gamma Q-Q plot

Boron, MW-07 (mg/L)



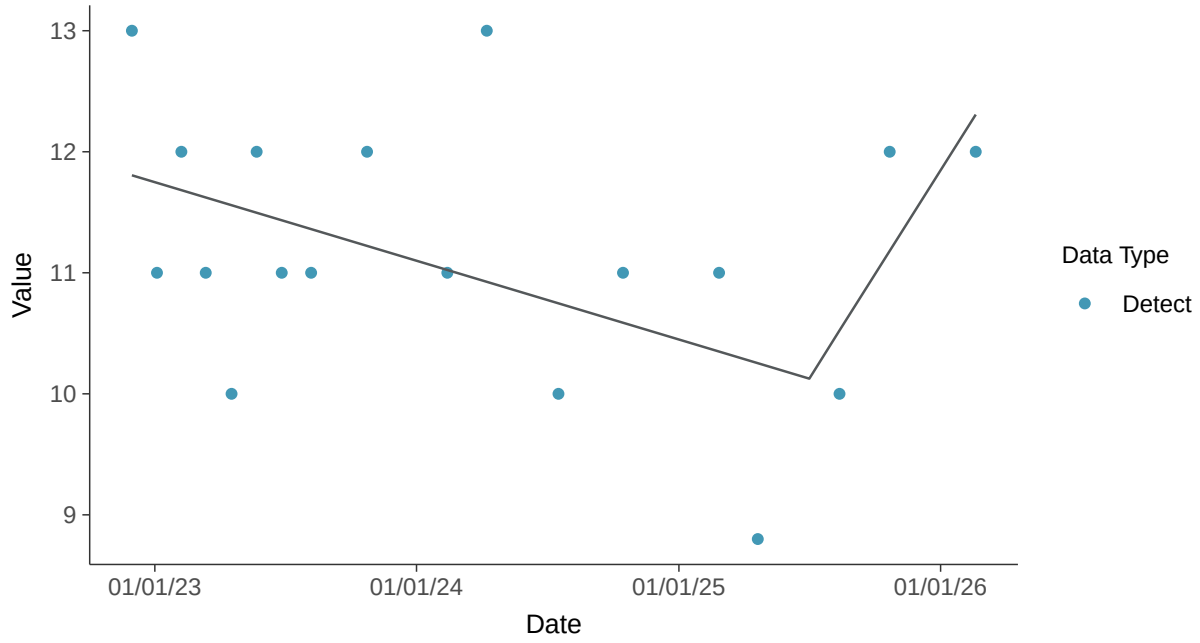
Trend Regression: Lognormal MLE

Boron, MW-07 (mg/L)



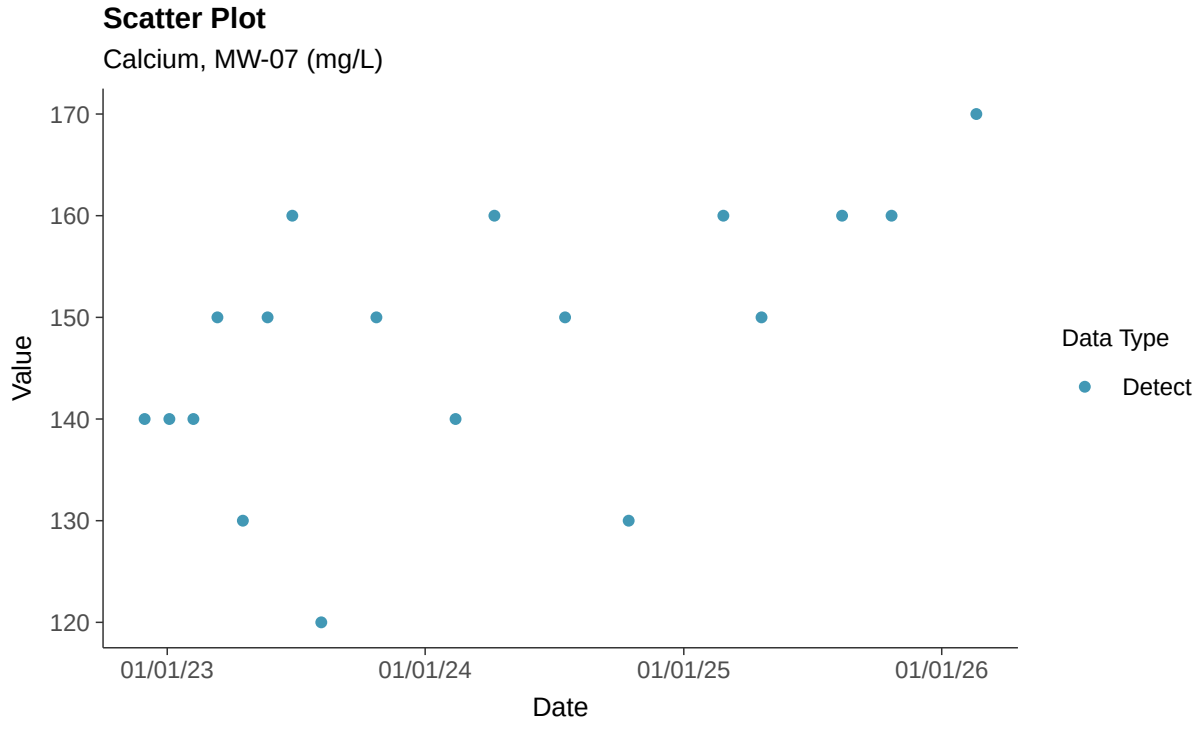
Trend Regression: Piecewise Linear-Linear

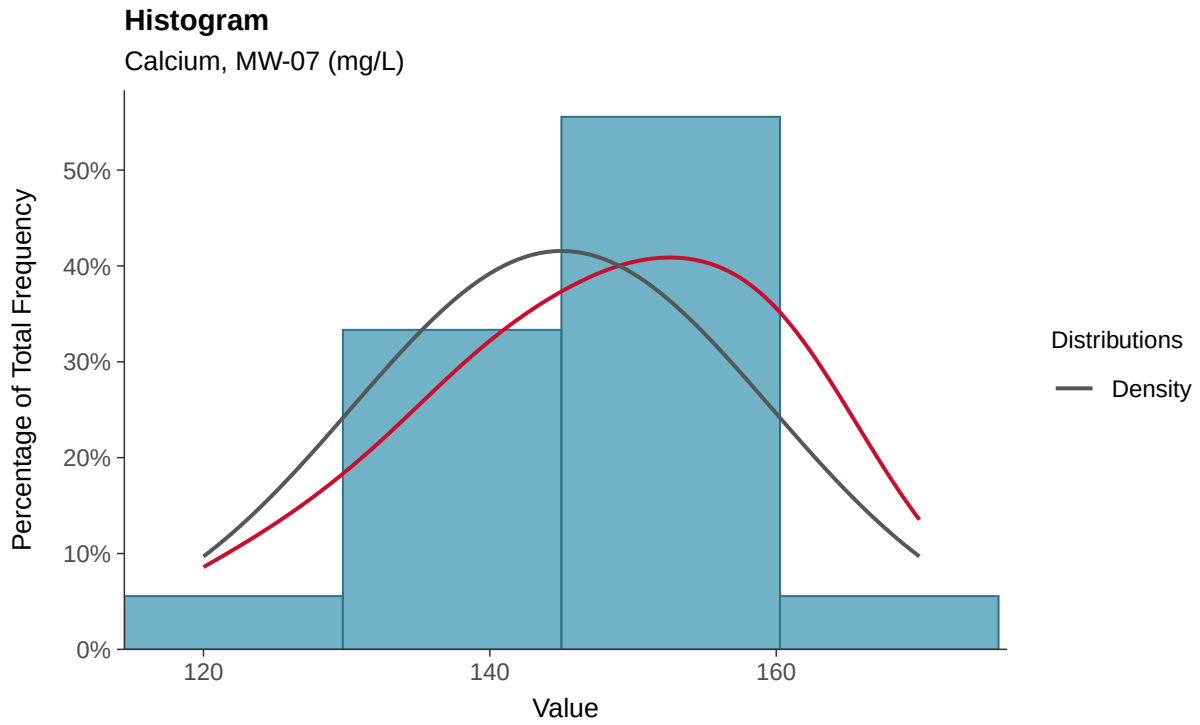
Boron, MW-07 (mg/L)



Appendix III: Calcium, MW-07

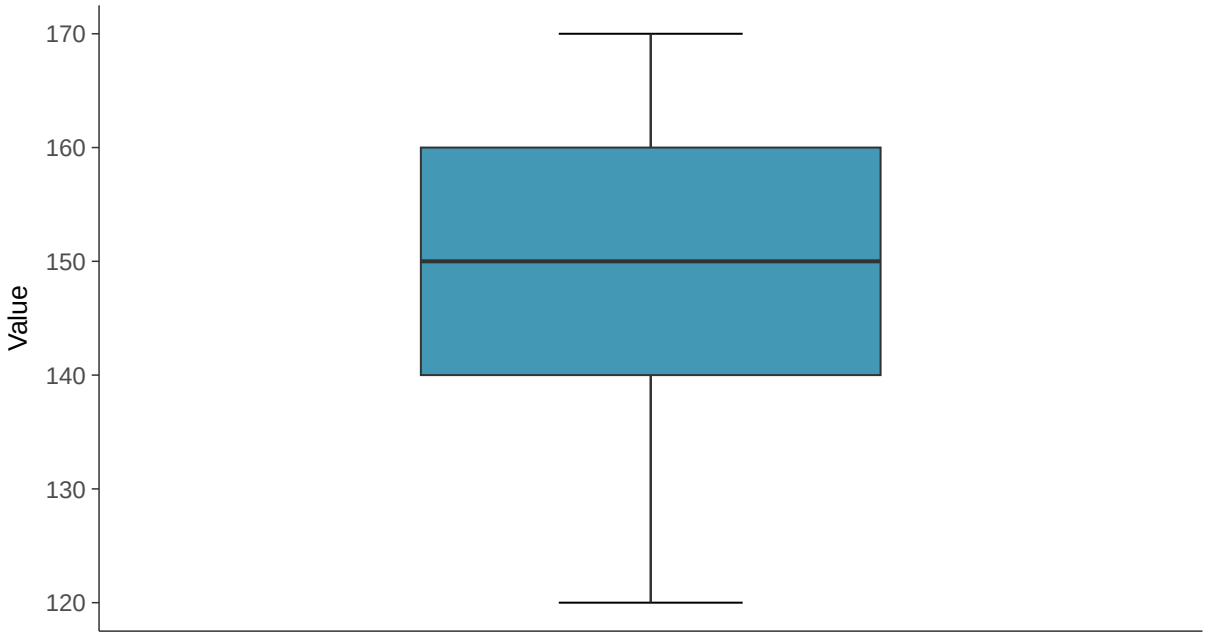
ID: 17_1_3_107





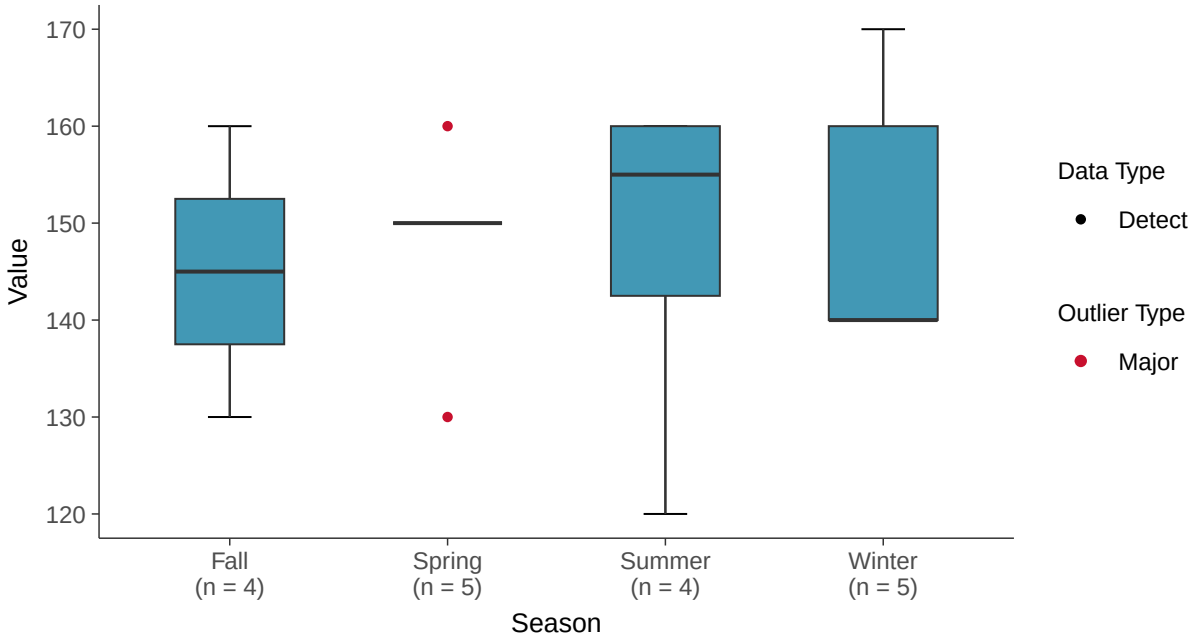
Boxplot

Calcium, MW-07 (mg/L)



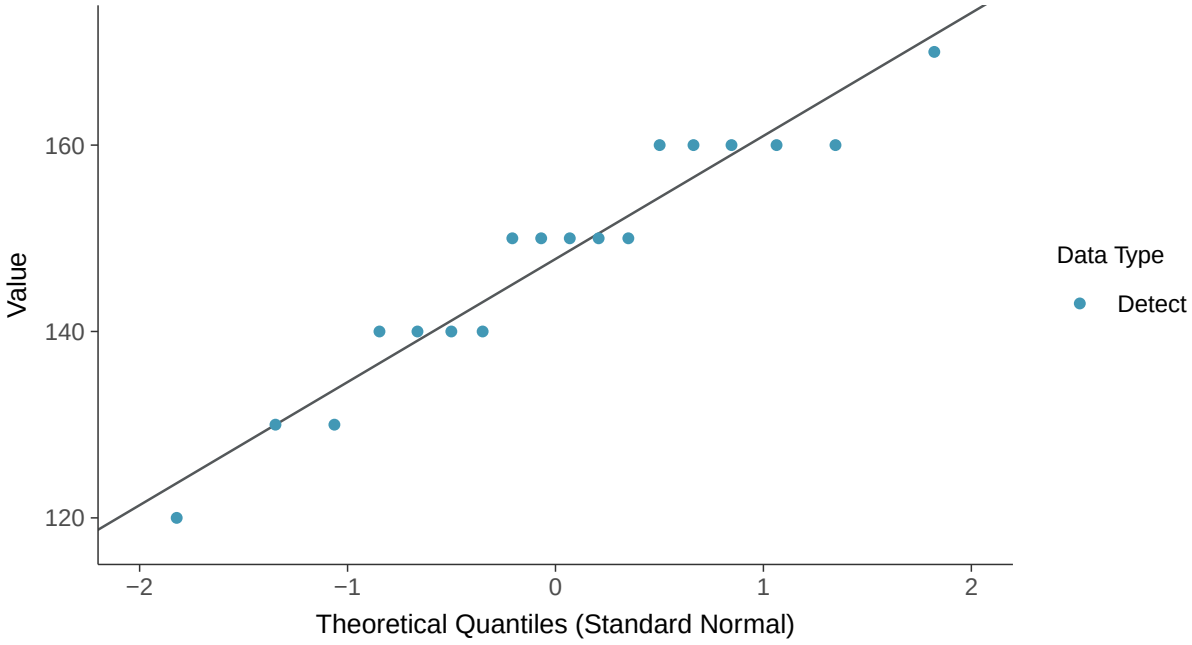
Boxplot by Season

Calcium, MW-07 (mg/L)



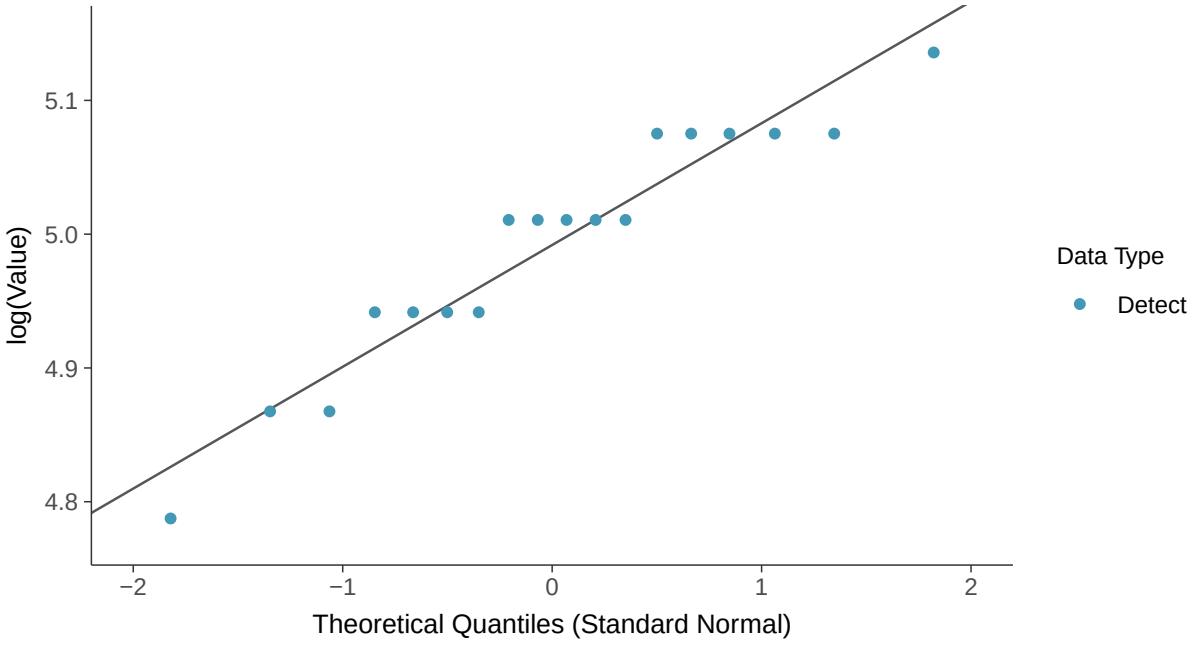
Normal Q-Q plot

Calcium, MW-07 (mg/L)



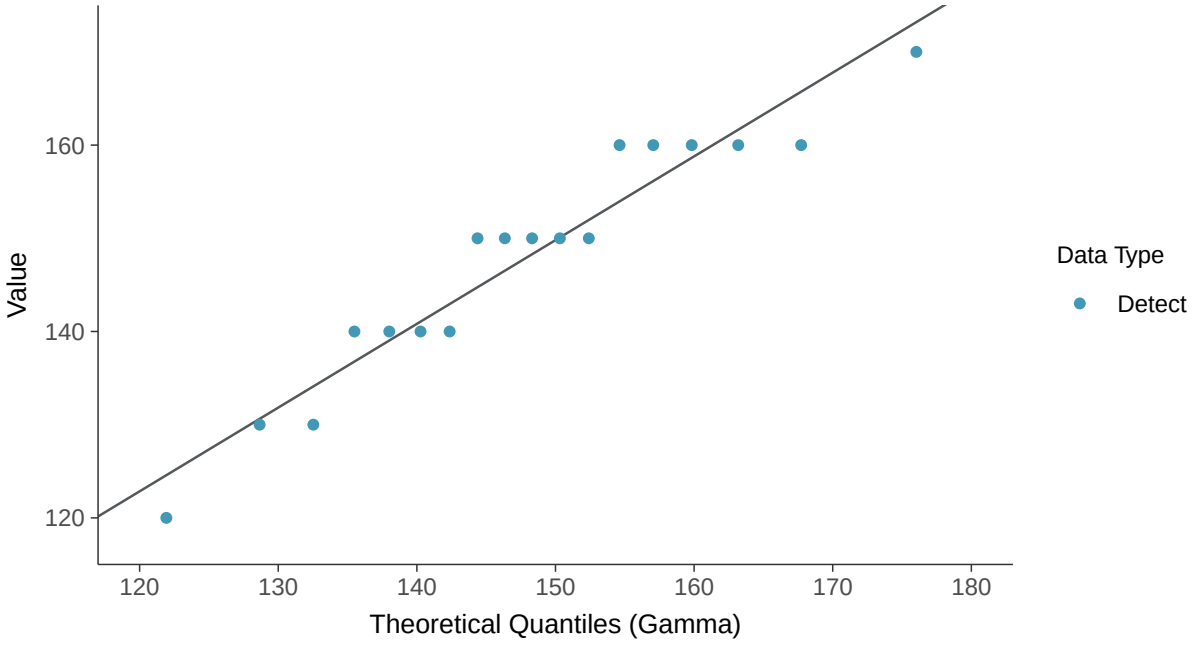
Lognormal Q-Q plot

Calcium, MW-07 (mg/L)



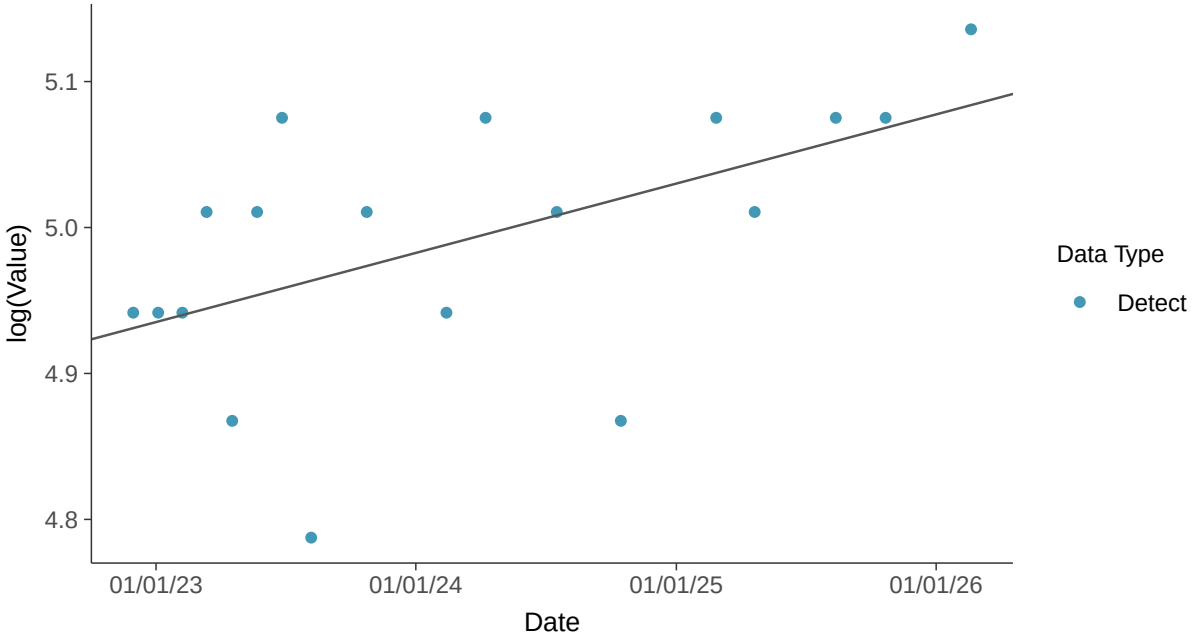
Gamma Q-Q plot

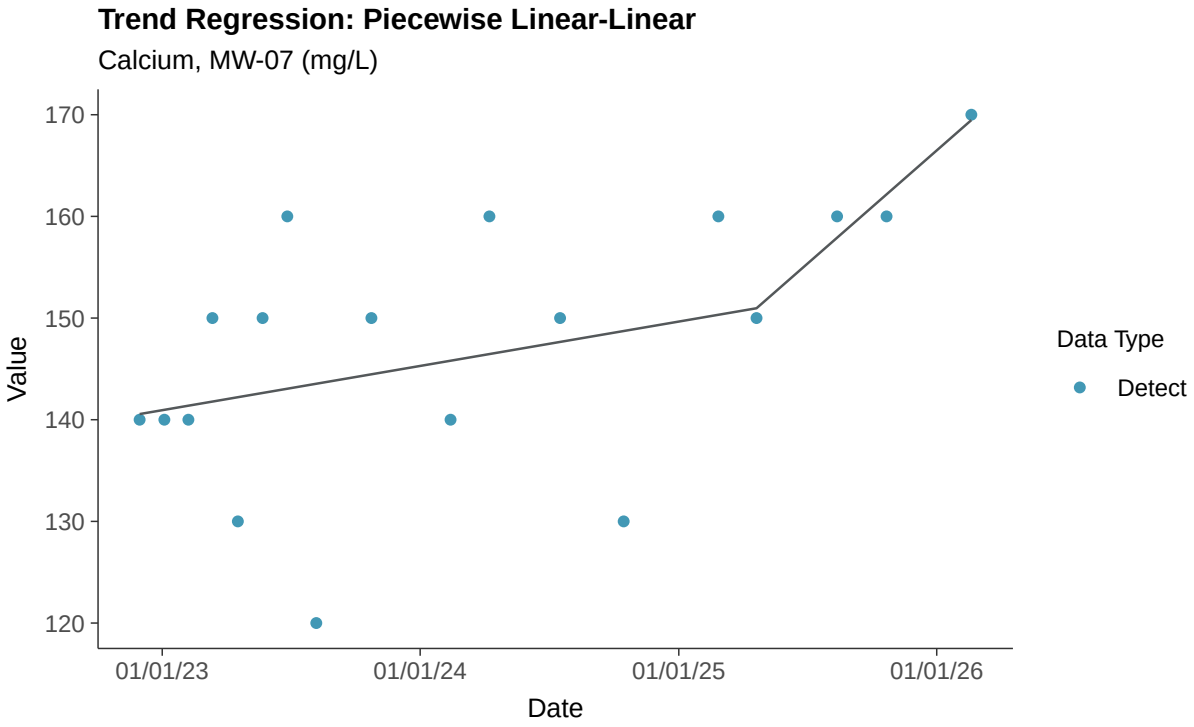
Calcium, MW-07 (mg/L)



Trend Regression: Lognormal MLE

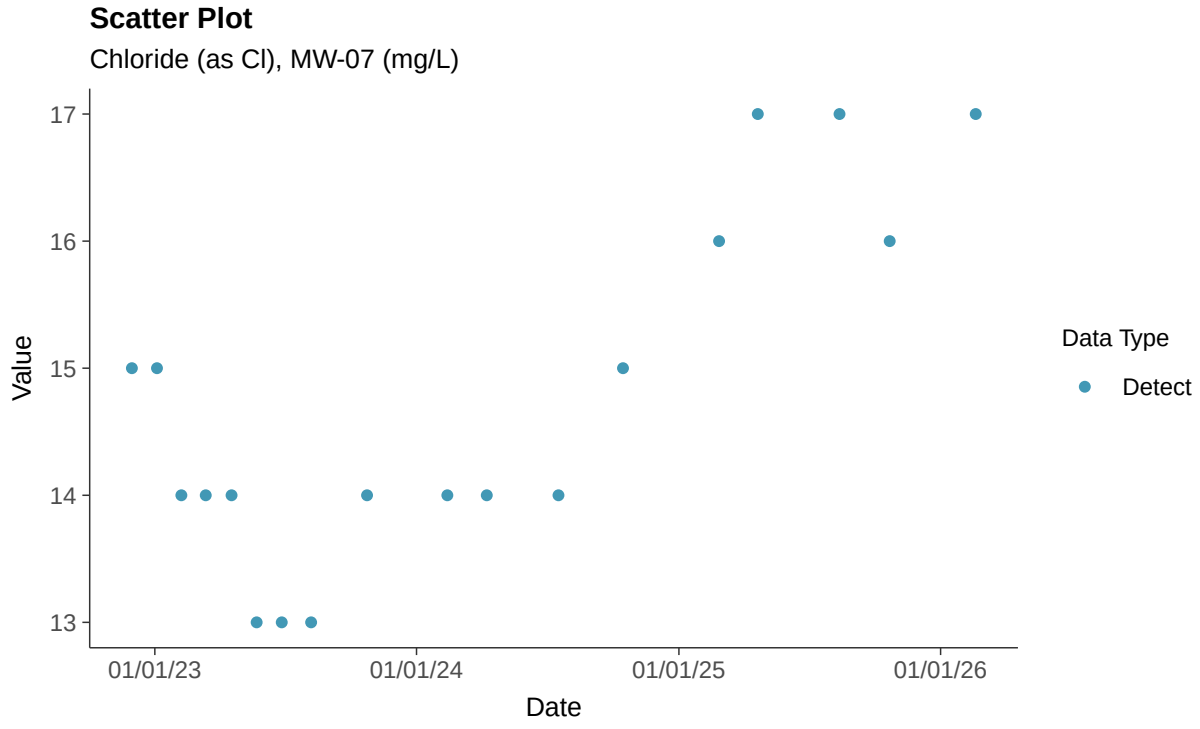
Calcium, MW-07 (mg/L)

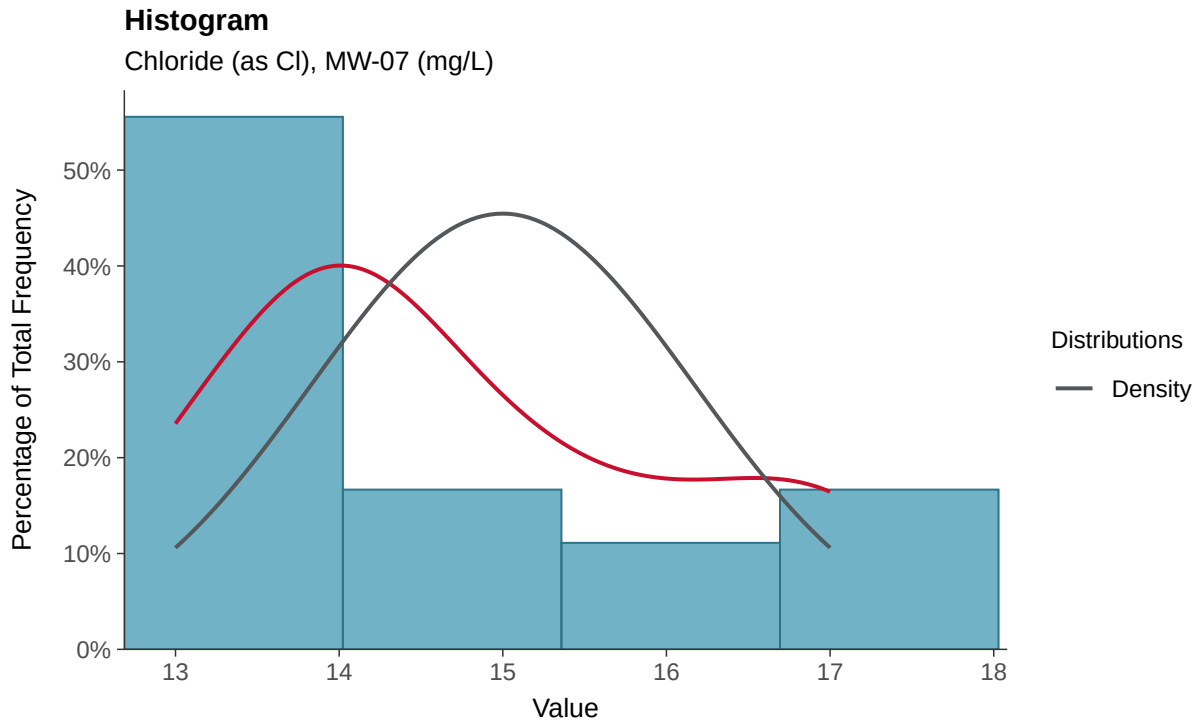



Trend Regression: Piecewise Linear-Linear
Calcium, MW-07 (mg/L)
Value
170
160
150
140
130
120
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Chloride (as Cl), MW-07

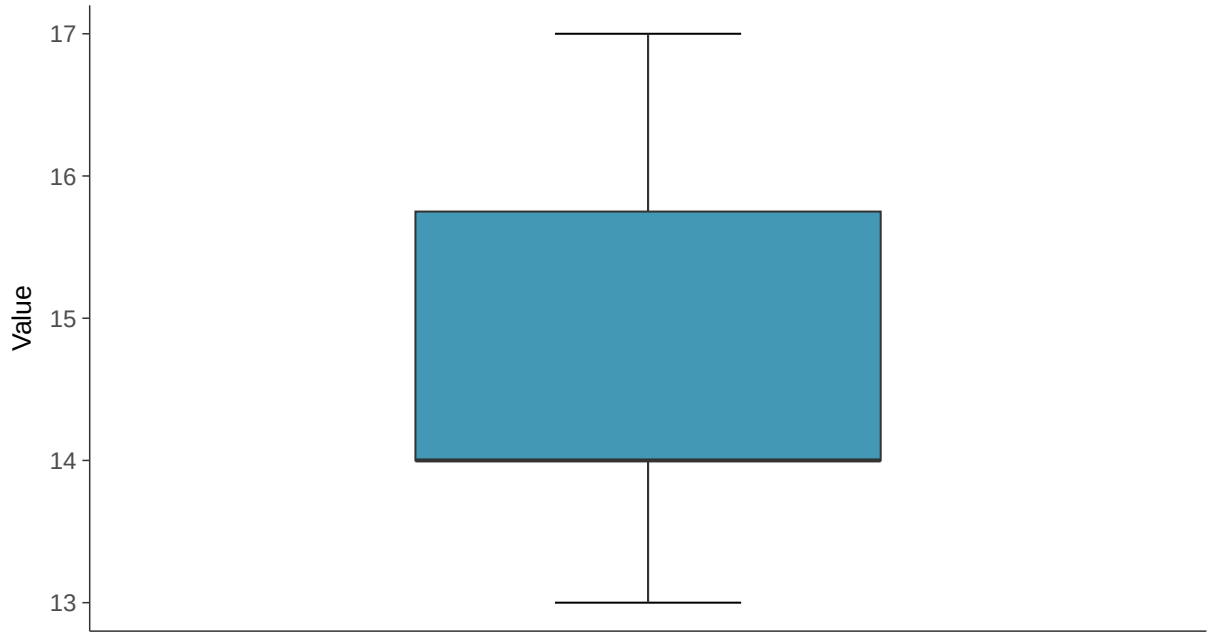
ID: 17_1_3_108





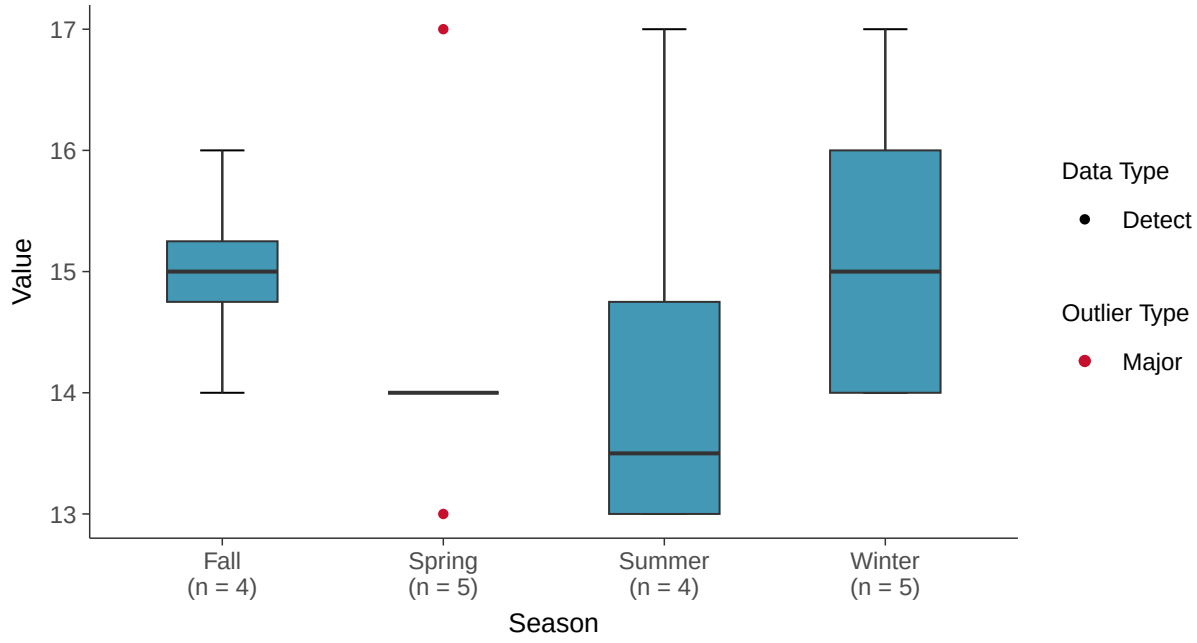
Boxplot

Chloride (as Cl), MW-07 (mg/L)



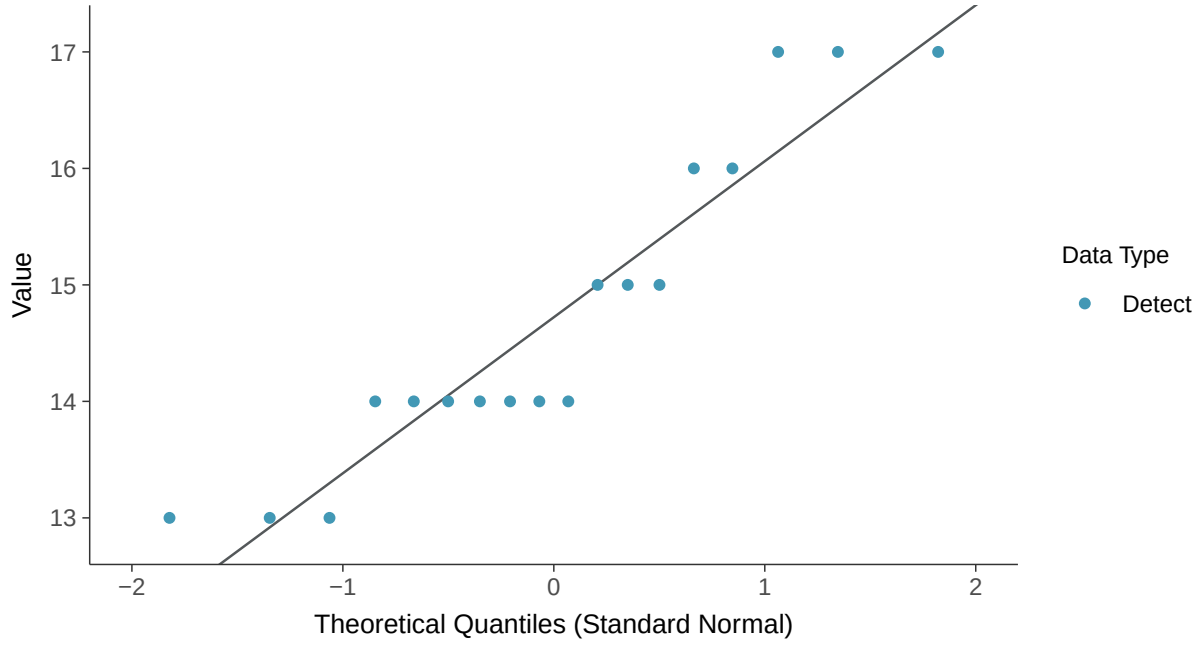
Boxplot by Season

Chloride (as Cl), MW-07 (mg/L)



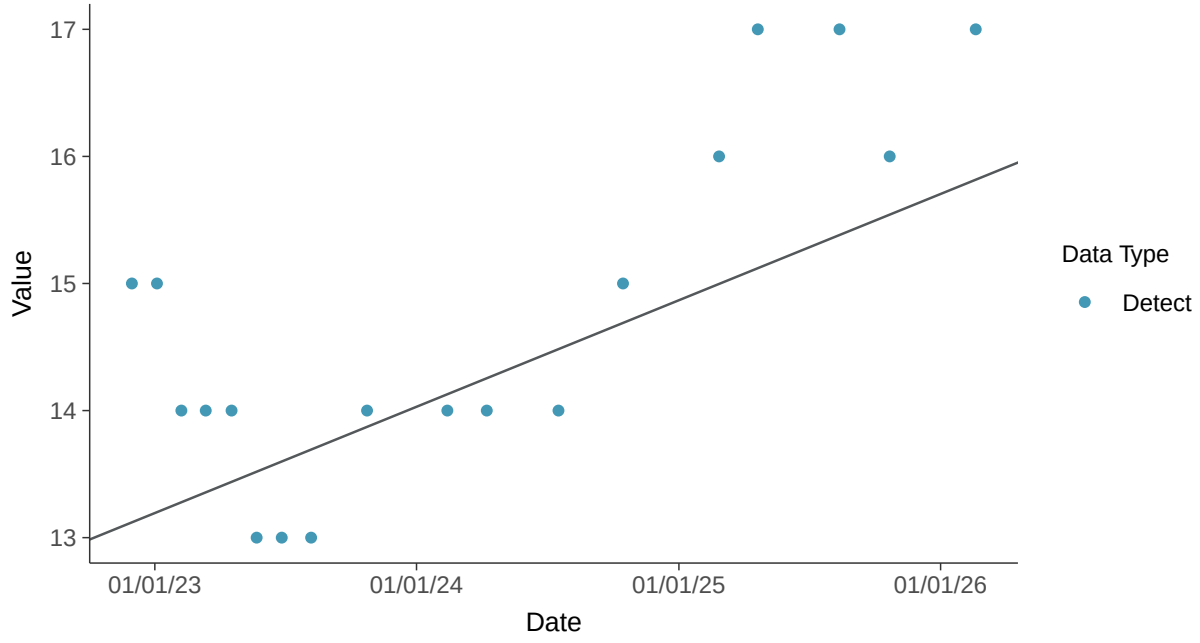
Normal Q-Q plot

Chloride (as Cl), MW-07 (mg/L)



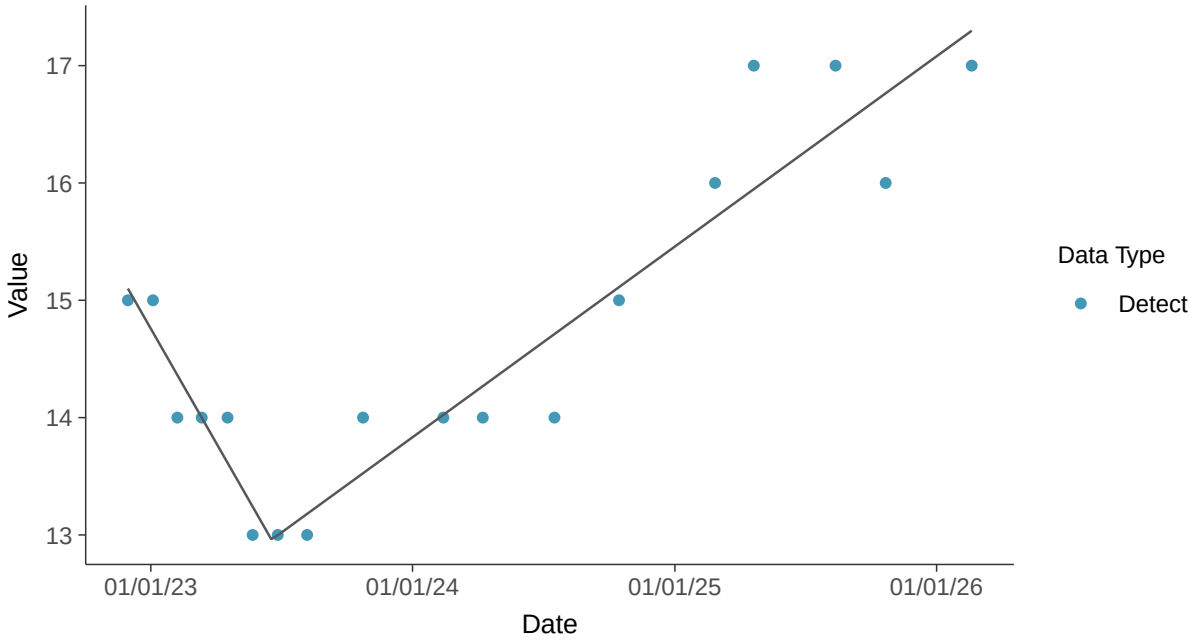
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Chloride (as Cl), MW-07 (mg/L)



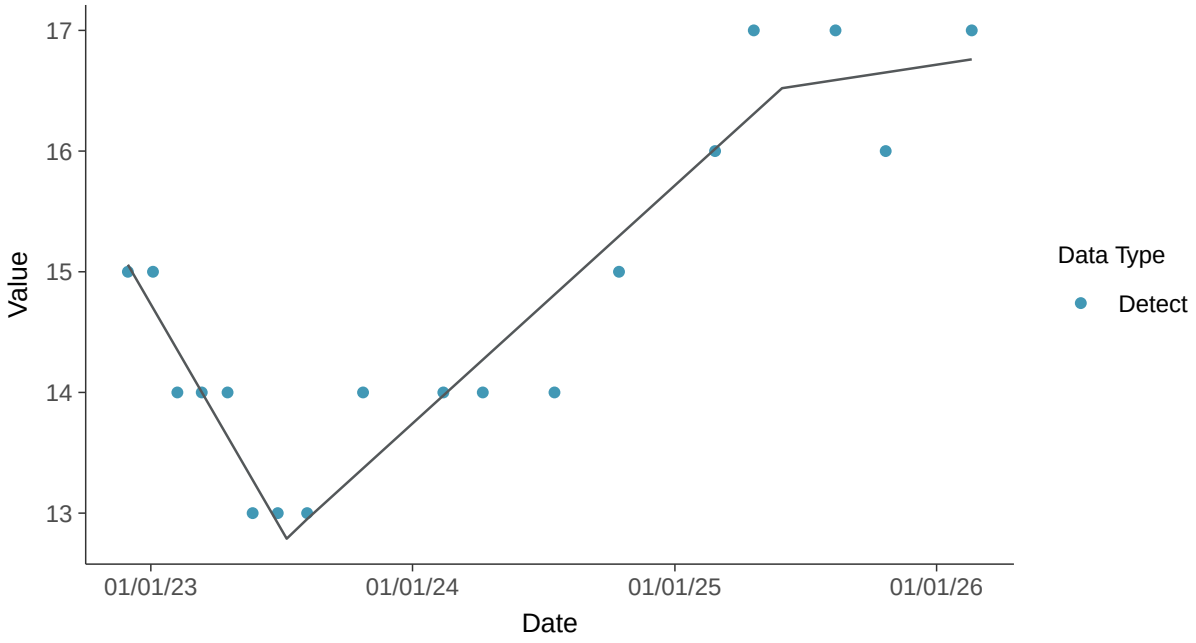
Trend Regression: Piecewise Linear-Linear

Chloride (as Cl), MW-07 (mg/L)



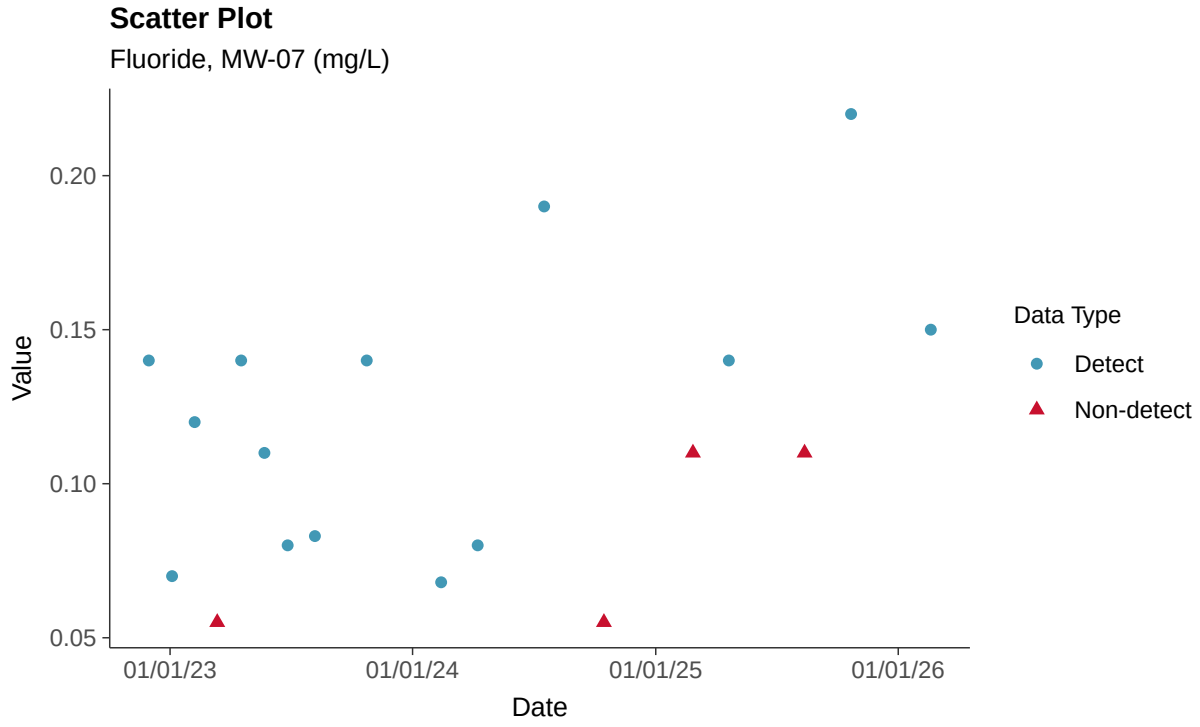
Trend Regression: Piecewise Linear-Linear-Linear

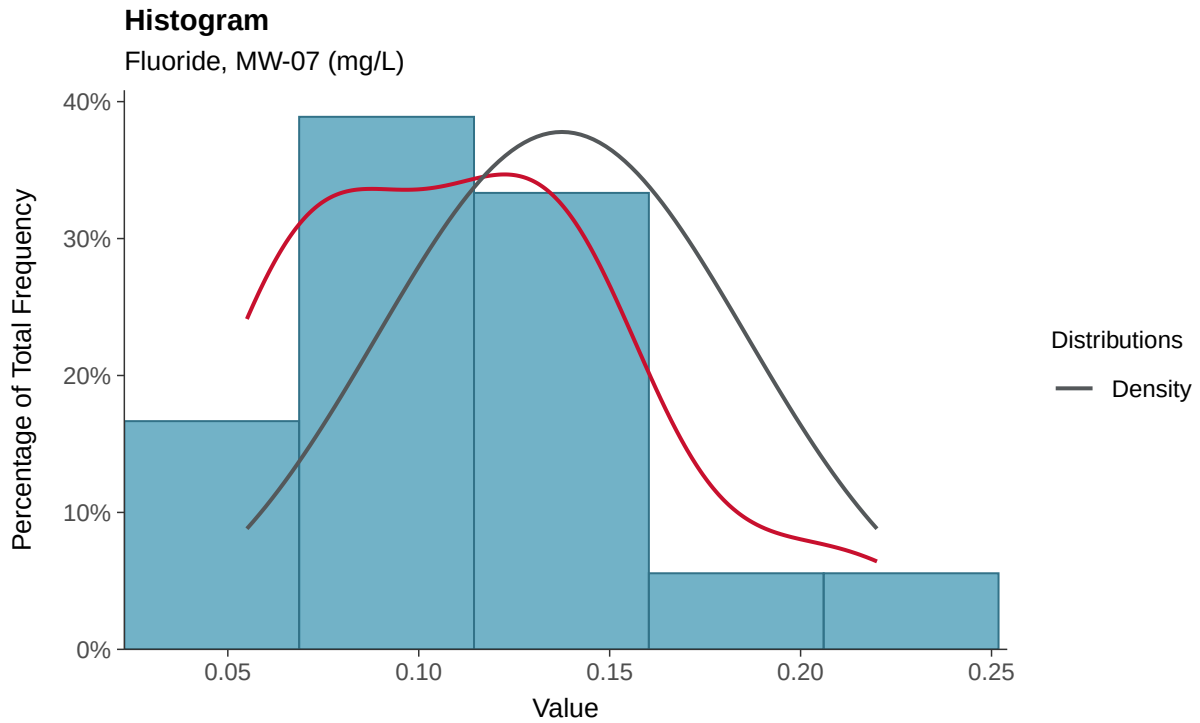
Chloride (as Cl), MW-07 (mg/L)



Appendix III: Fluoride, MW-07

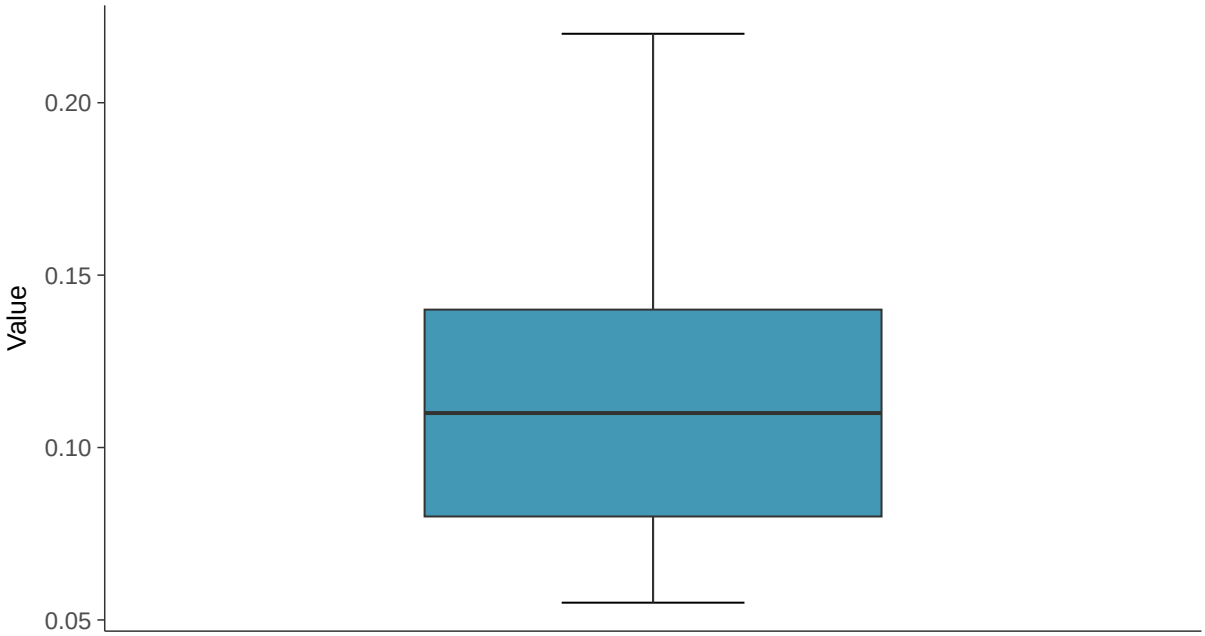
ID: 17_1_3_112





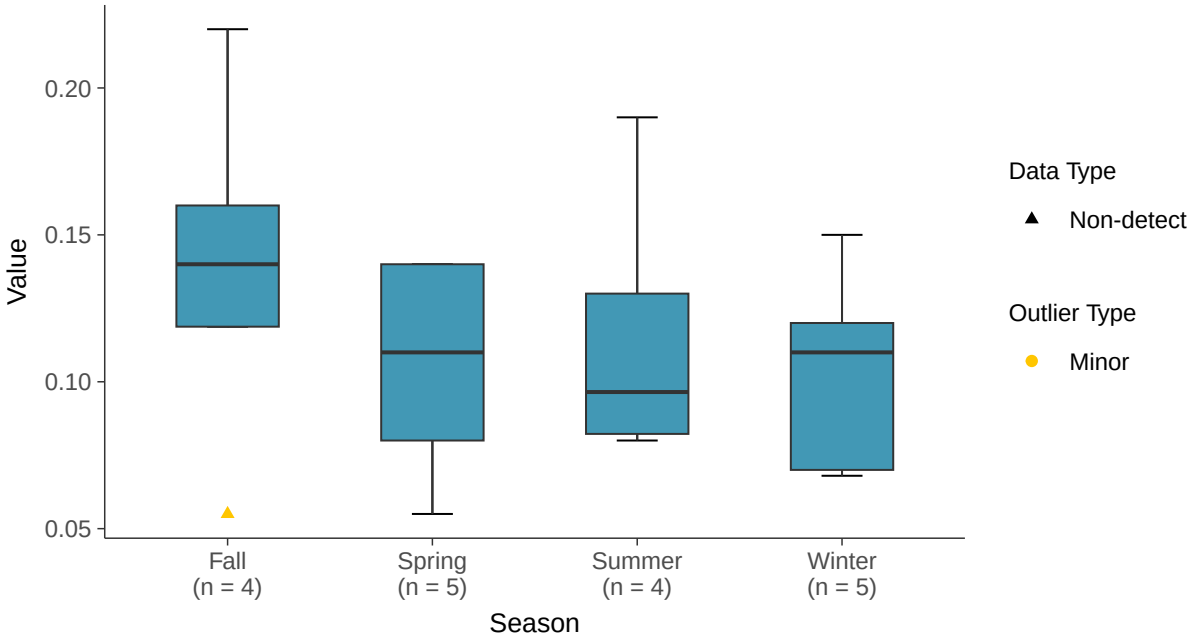
Boxplot

Fluoride, MW-07 (mg/L)



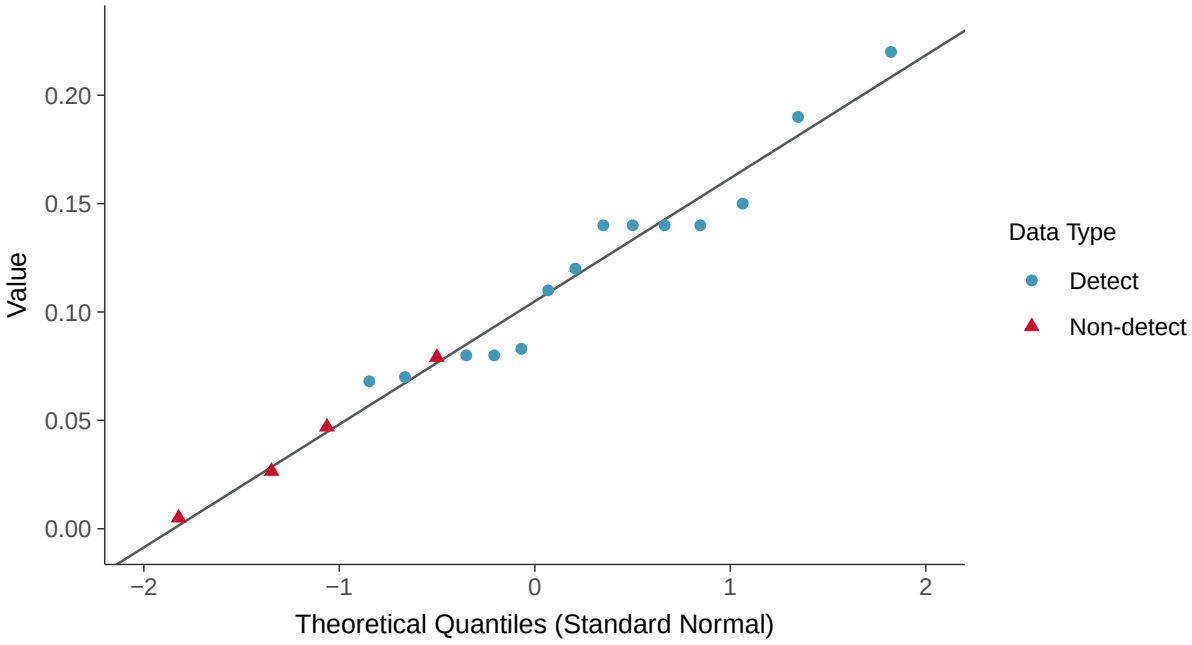
Boxplot by Season

Fluoride, MW-07 (mg/L)



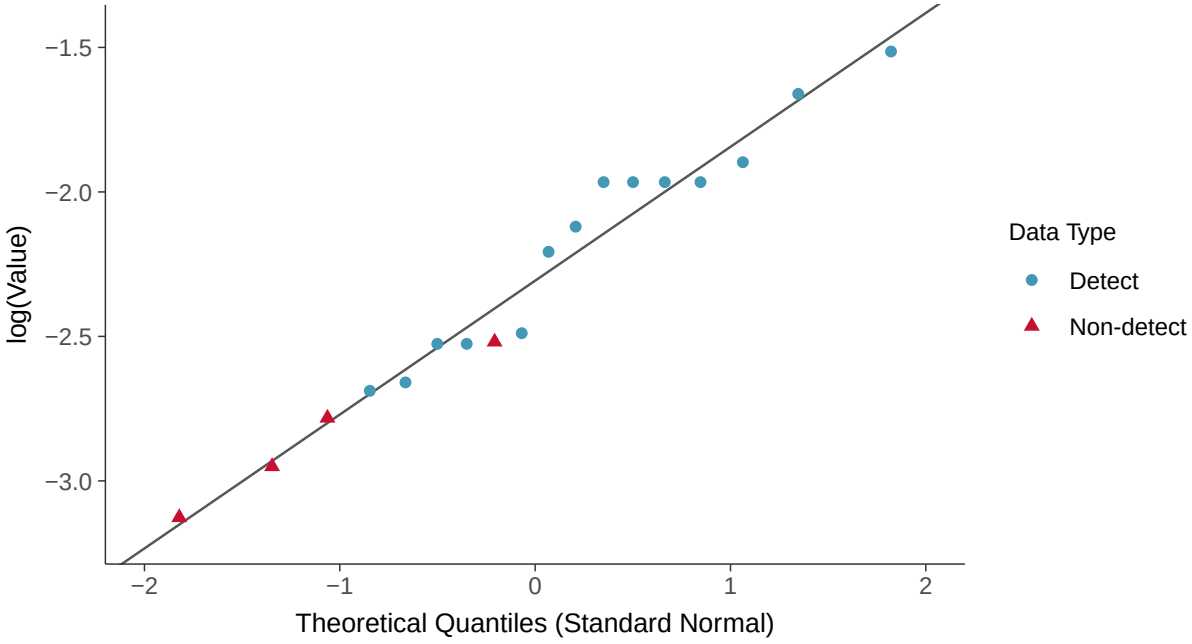
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-07 (mg/L)



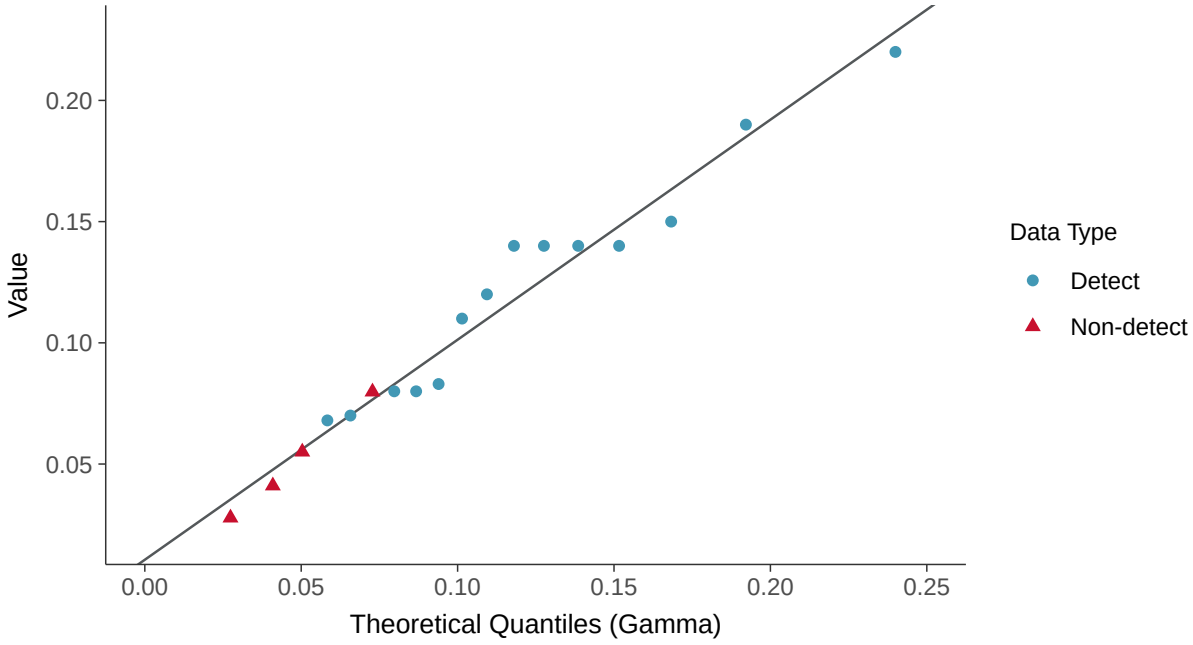
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-07 (mg/L)



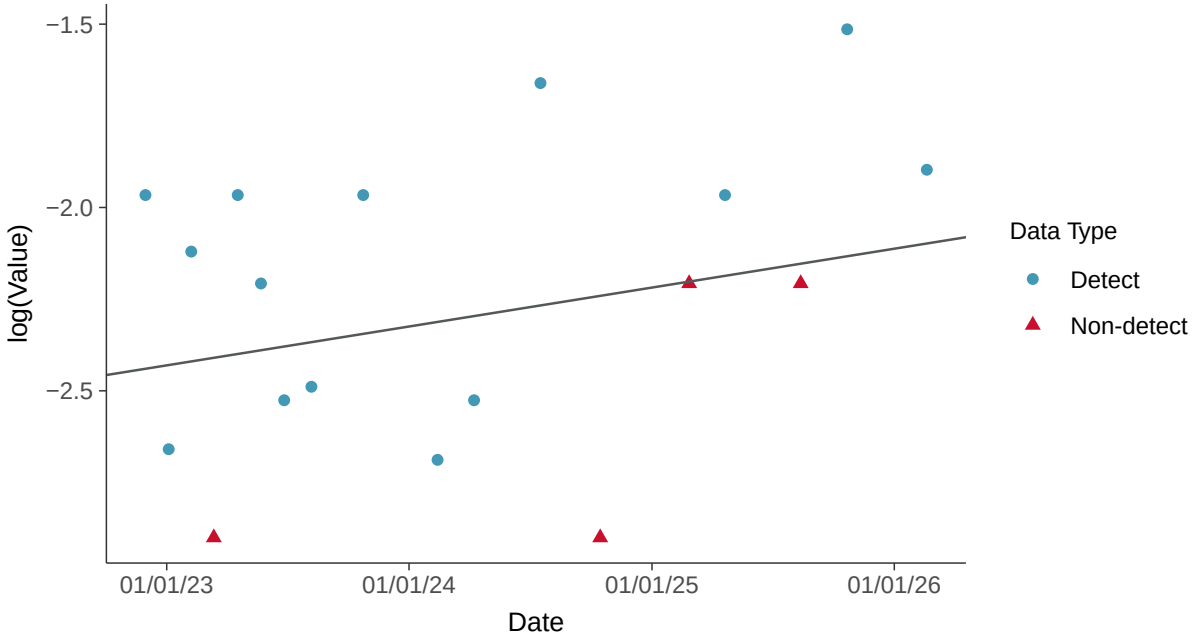
Gamma Q-Q plot using ROS Imputed Estimates

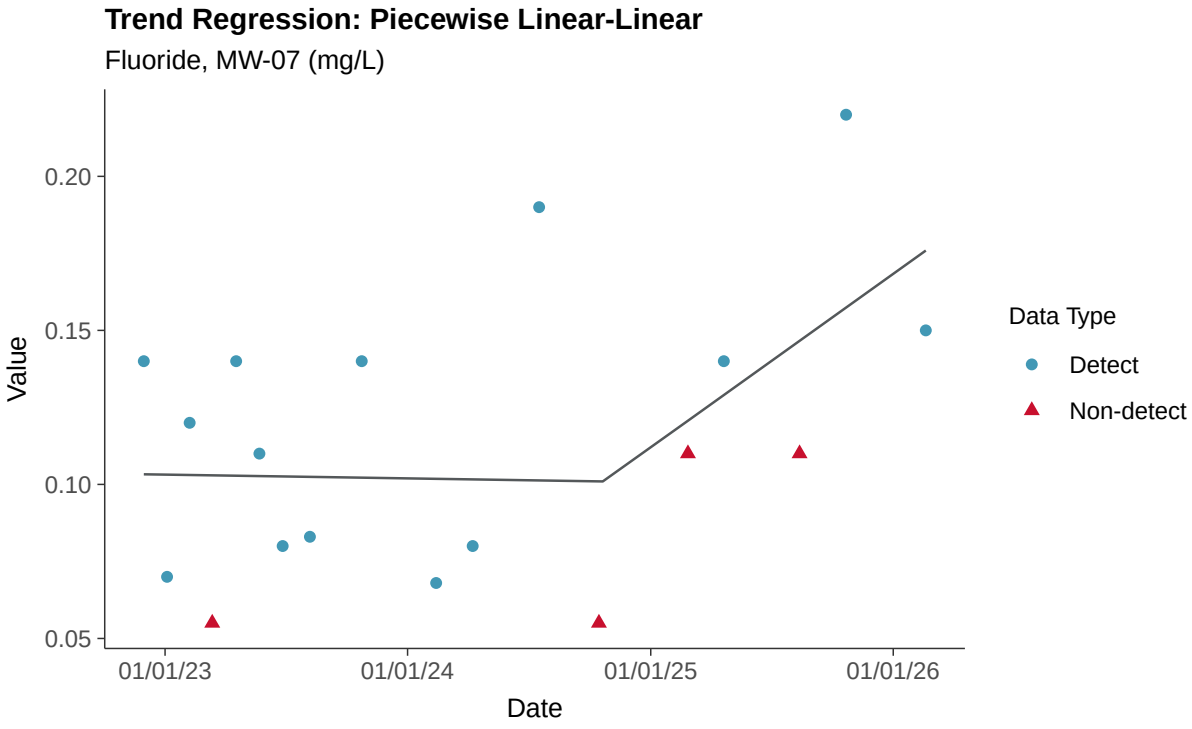
Fluoride, MW-07 (mg/L)



Trend Regression: Lognormal MLE

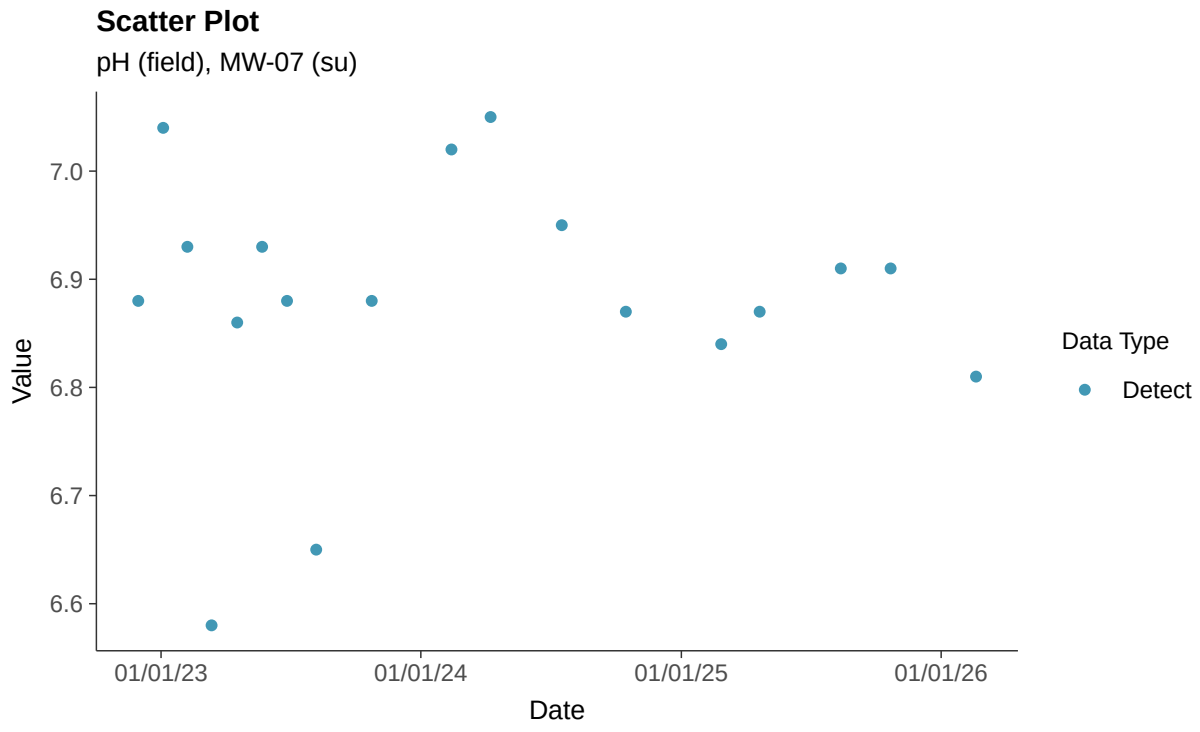
Fluoride, MW-07 (mg/L)

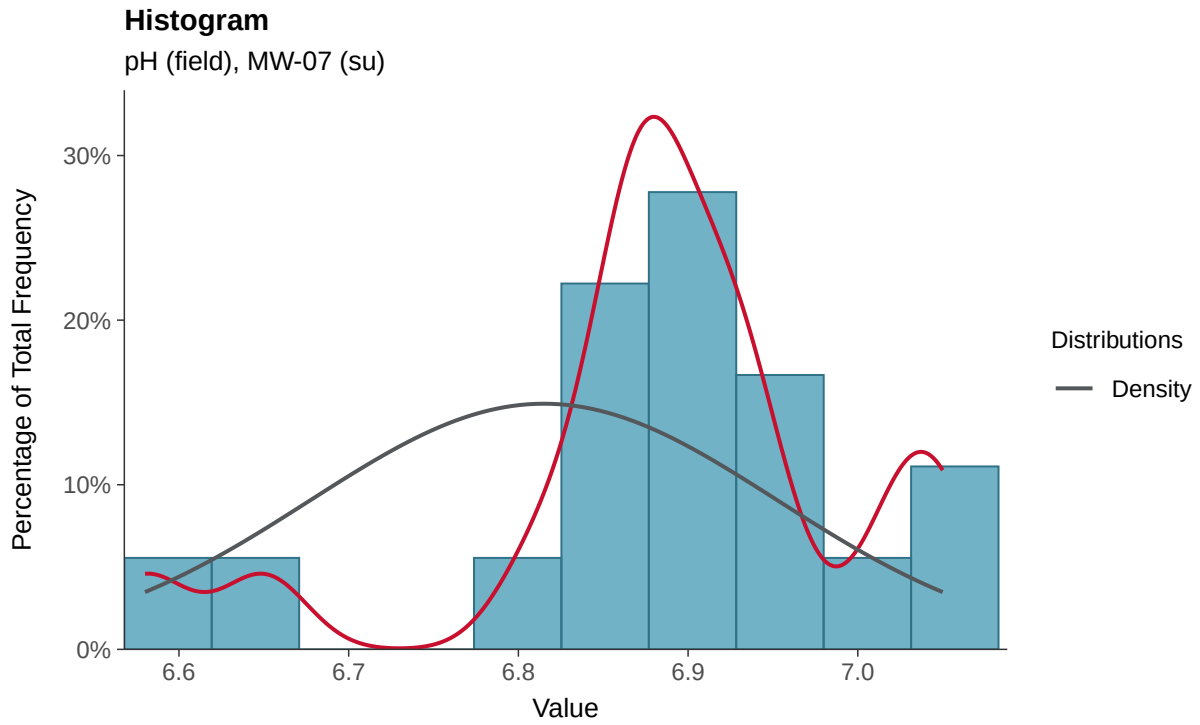



Trend Regression: Piecewise Linear-Linear
Fluoride, MW-07 (mg/L)
Value
0.20
0.15
0.10
0.05
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: pH (field), MW-07

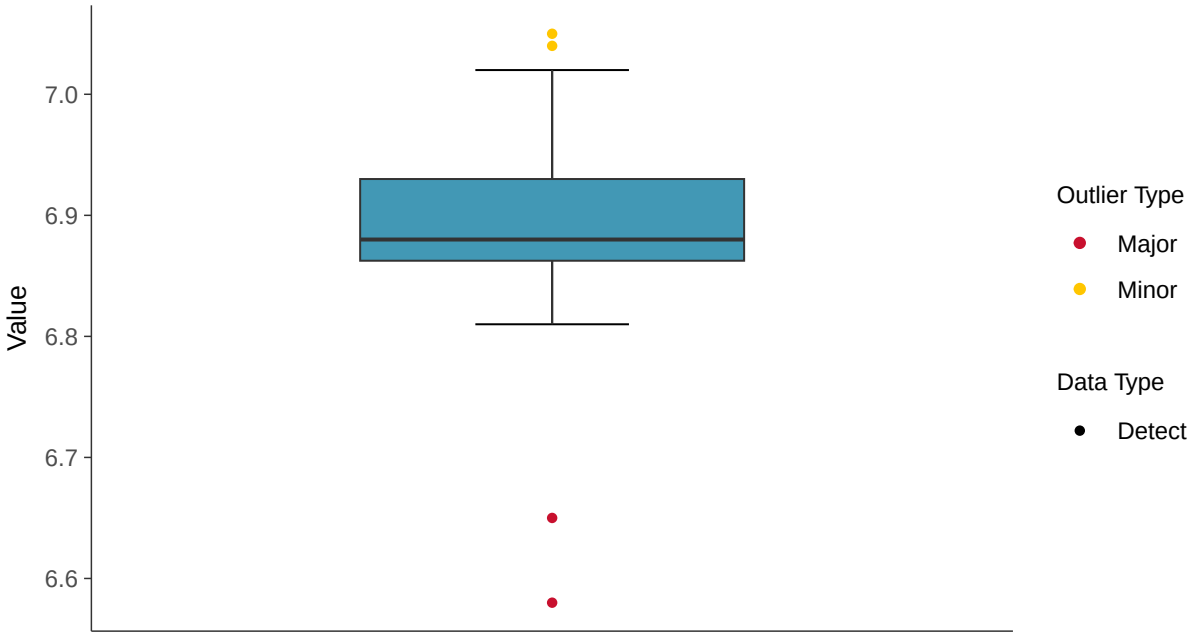
ID: 17_1_3_120





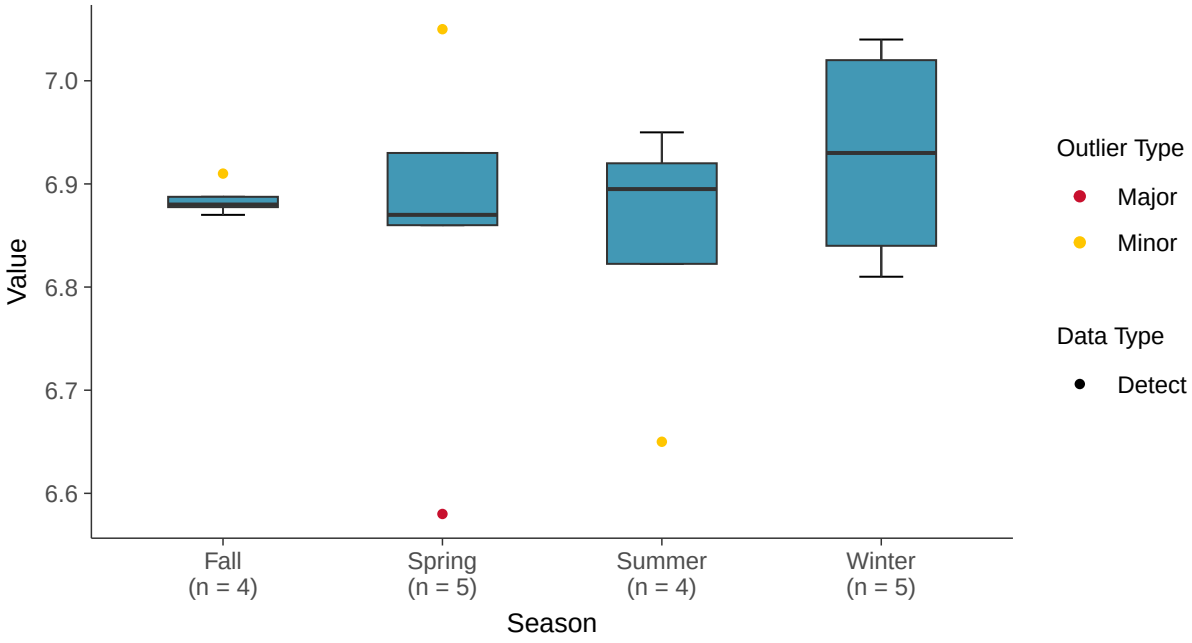
Boxplot

pH (field), MW-07 (su)



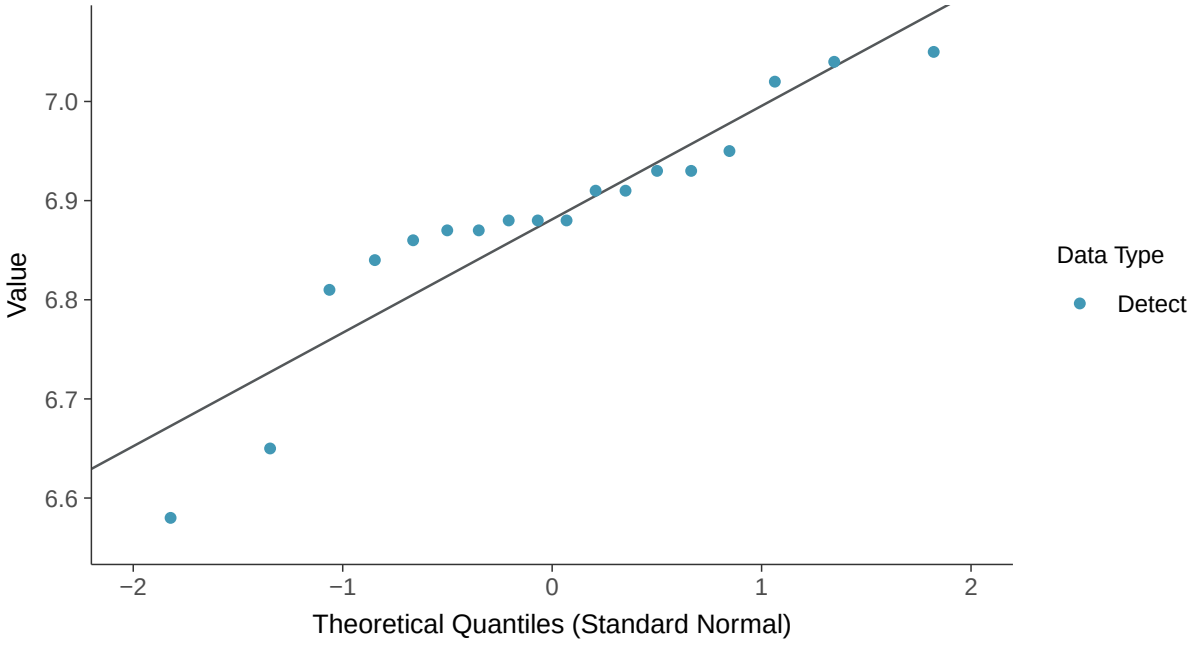
Boxplot by Season

pH (field), MW-07 (su)



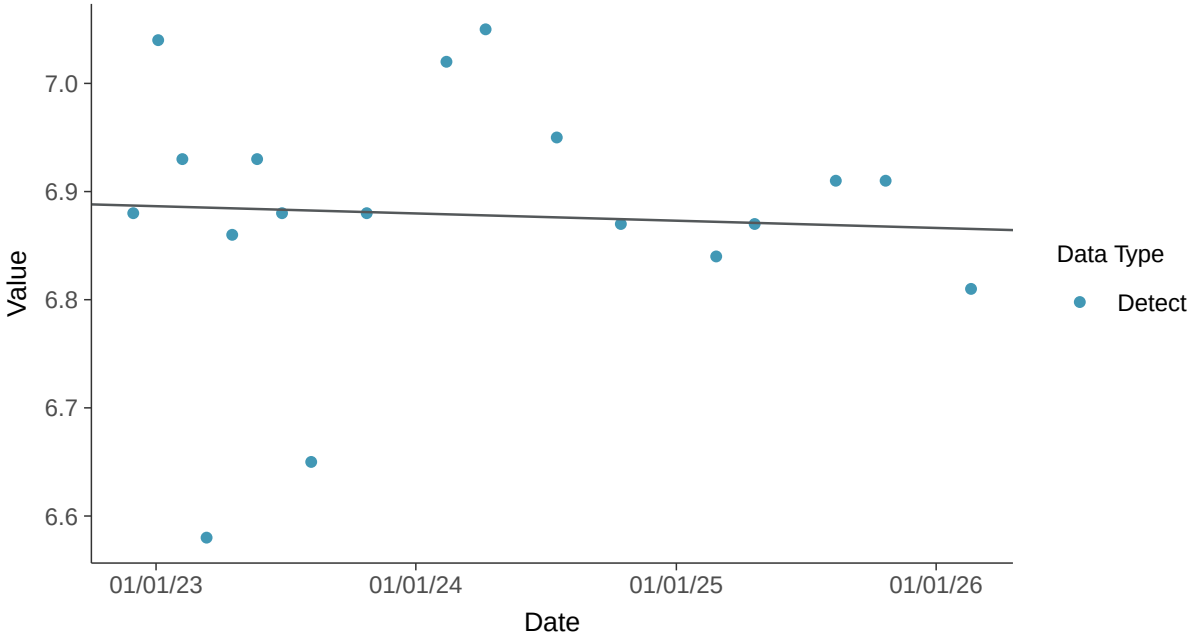
Normal Q-Q plot

pH (field), MW-07 (su)



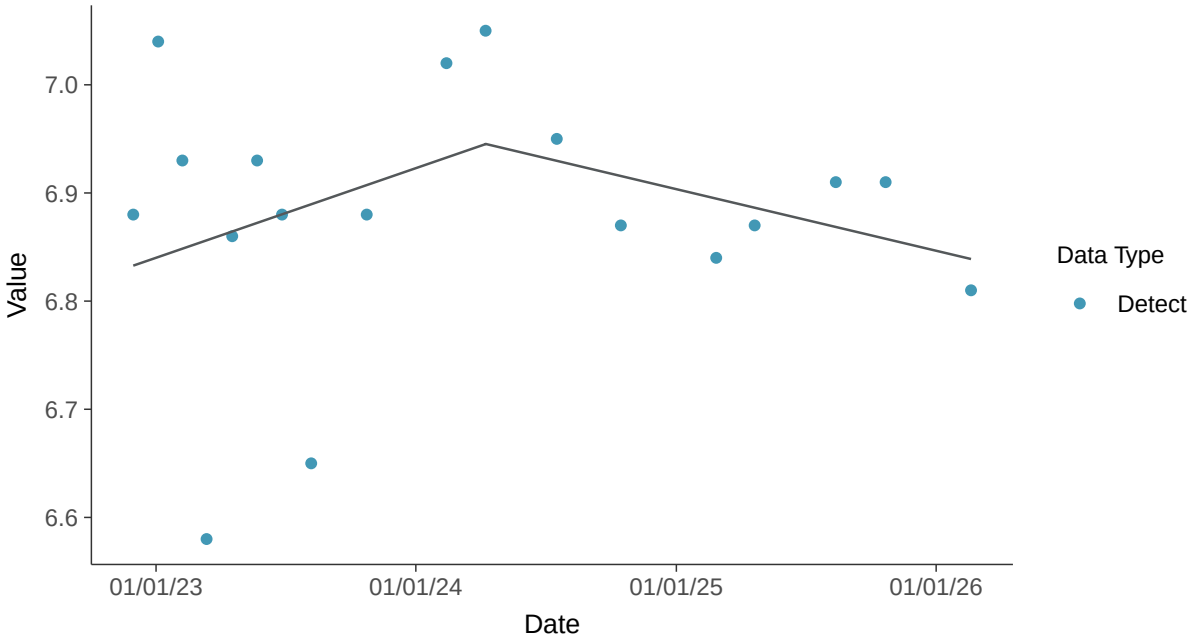
Trend Regression: Mann-Kendall/Theil-Sen Estimate

pH (field), MW-07 (su)



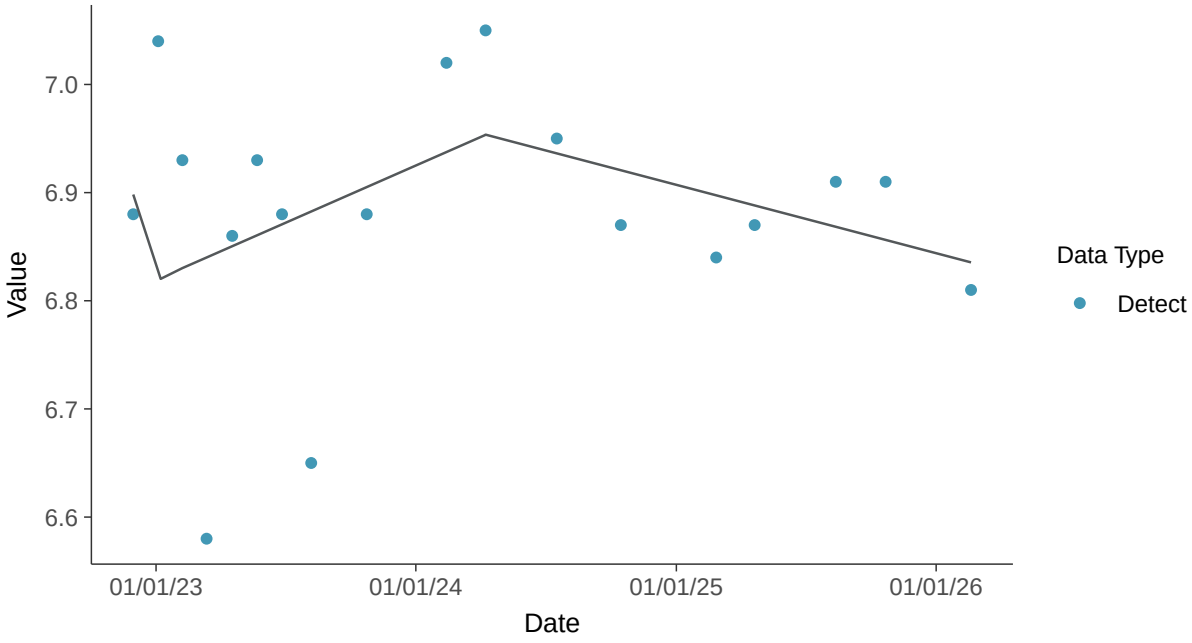
Trend Regression: Piecewise Linear-Linear

pH (field), MW-07 (su)



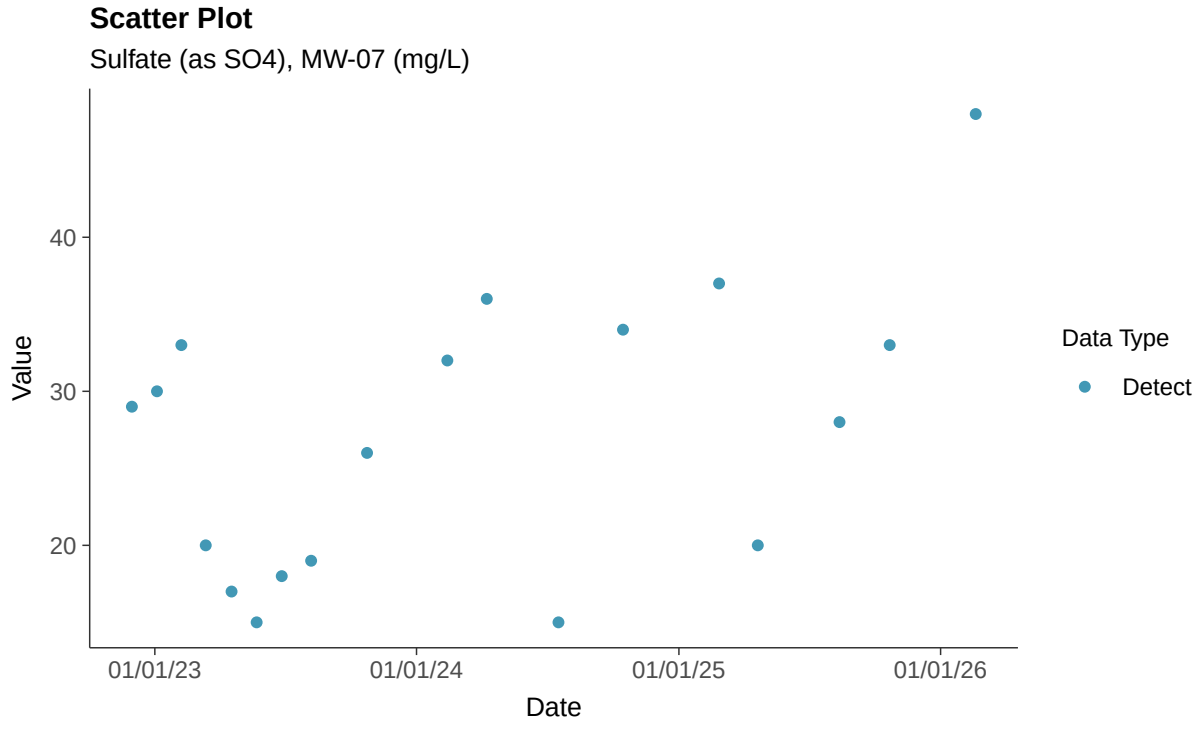
Trend Regression: Piecewise Linear-Linear-Linear

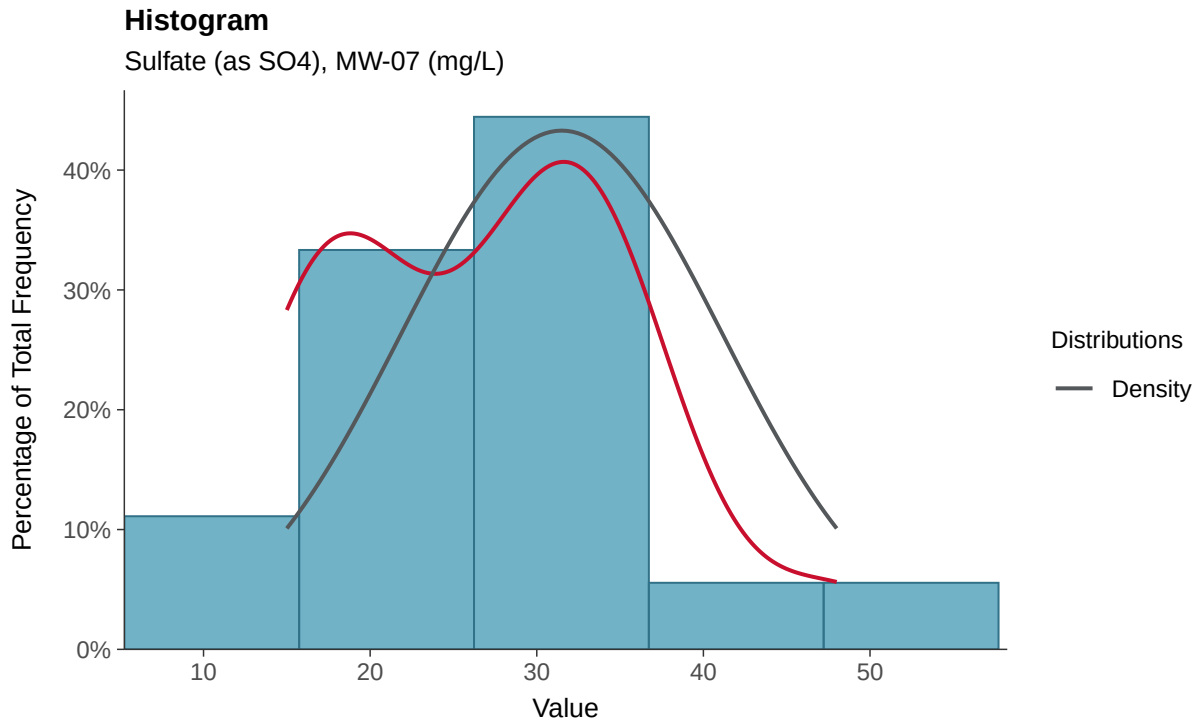
pH (field), MW-07 (su)



Appendix III: Sulfate (as SO4), MW-07

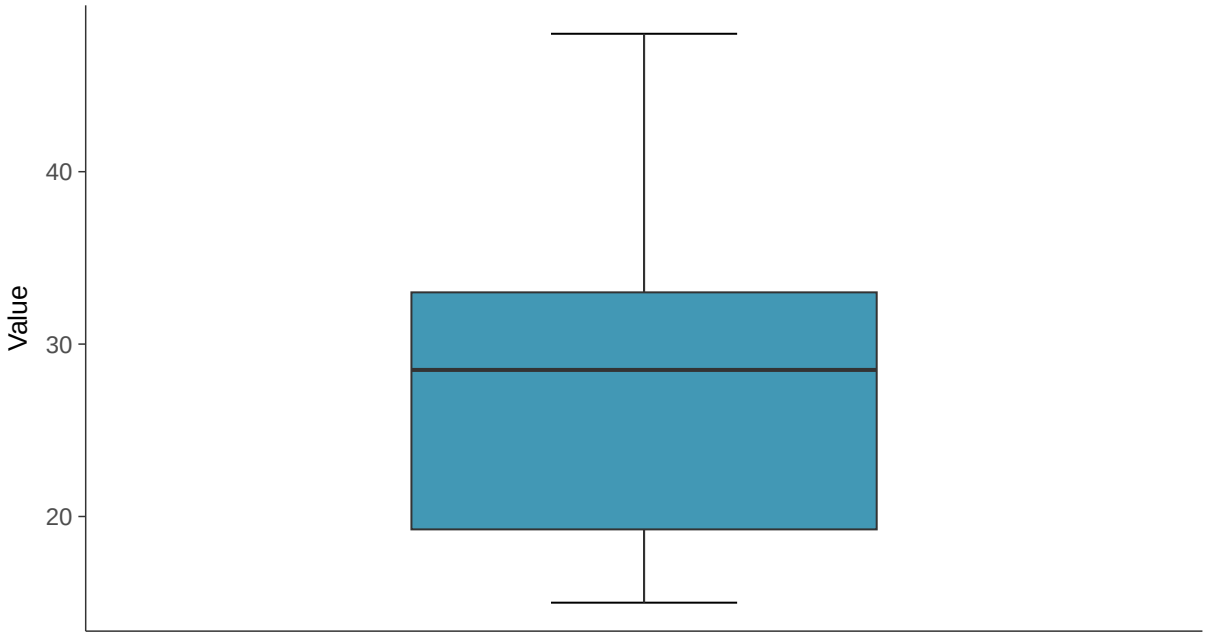
ID: 17_1_3_124





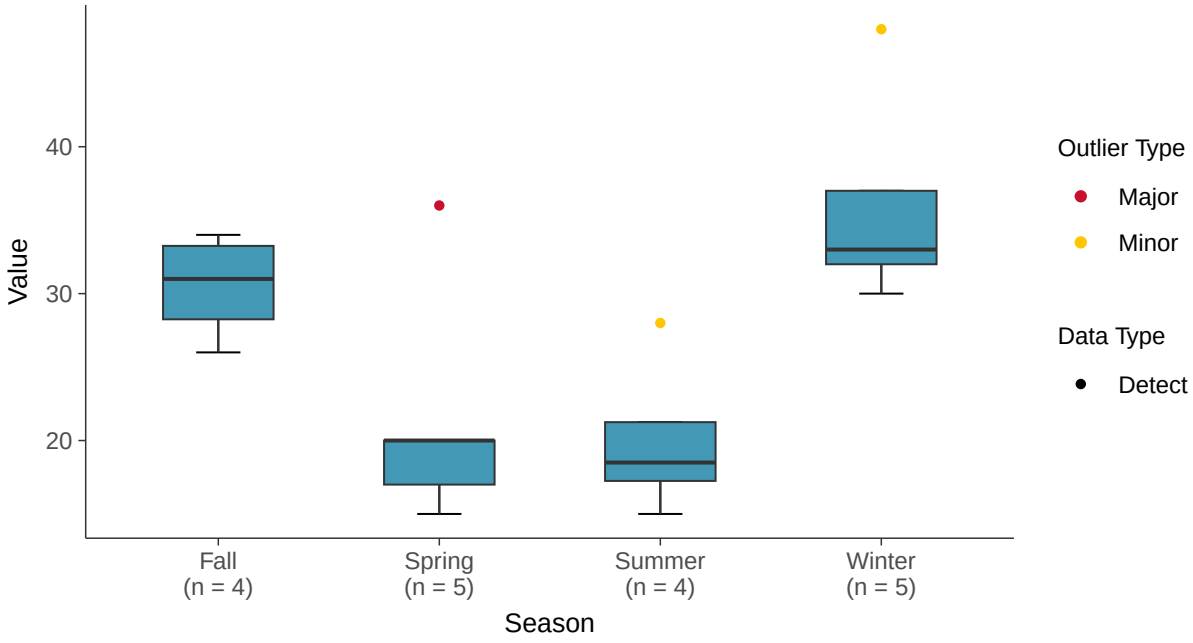
Boxplot

Sulfate (as SO4), MW-07 (mg/L)



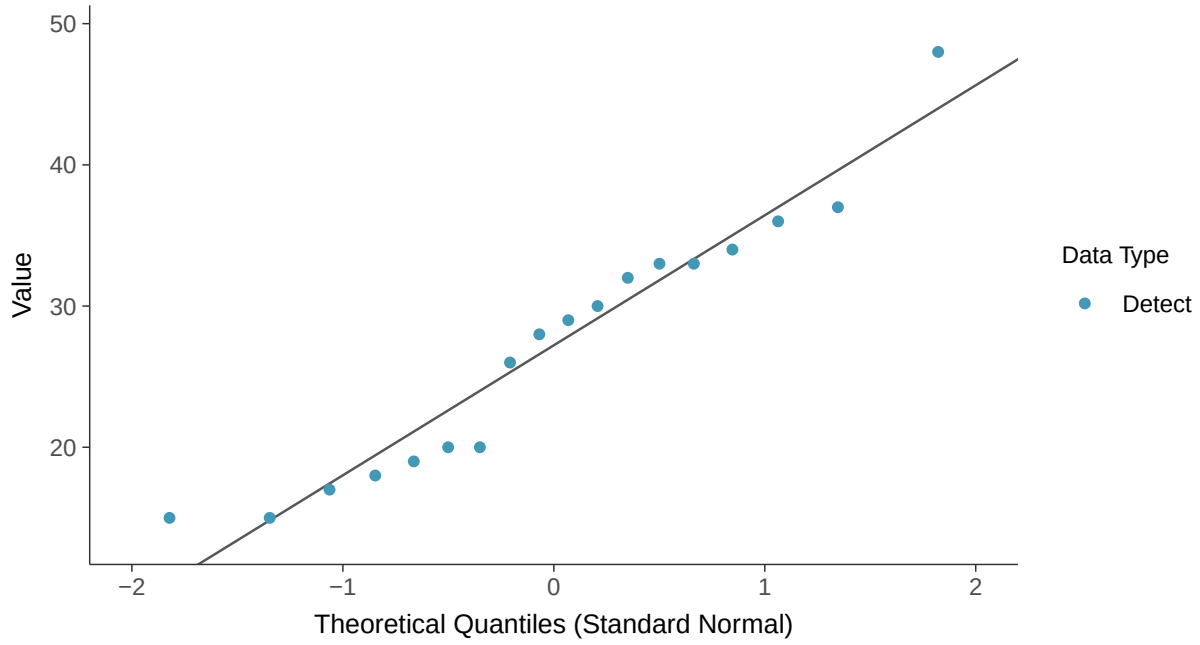
Boxplot by Season

Sulfate (as SO4), MW-07 (mg/L)



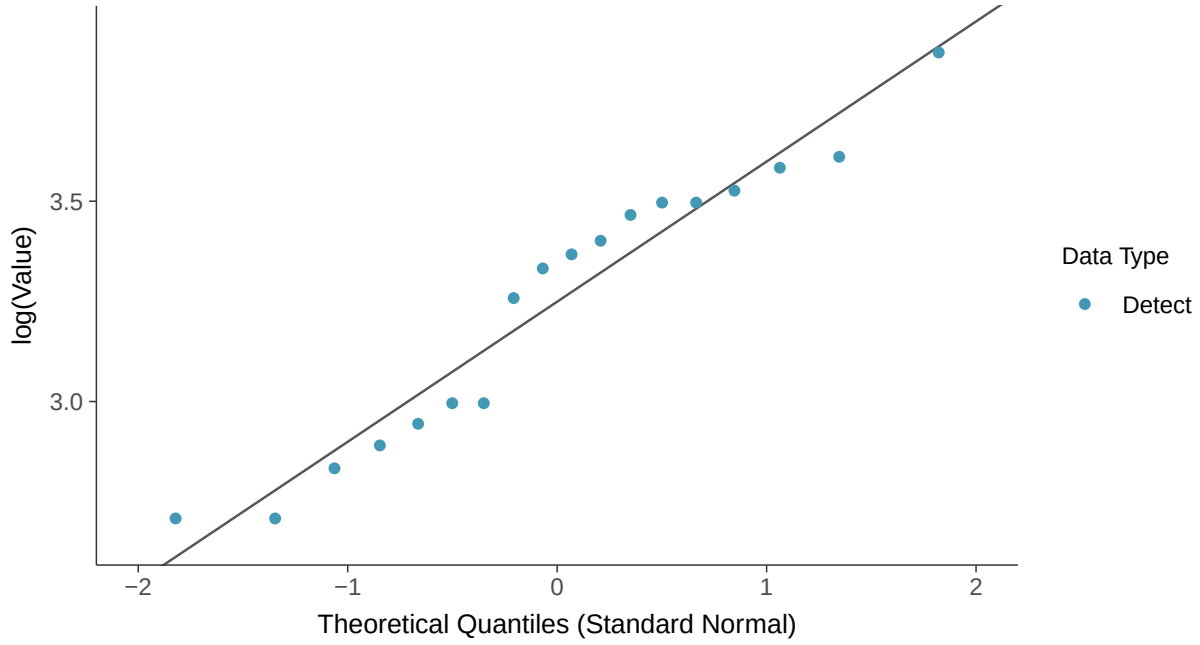
Normal Q-Q plot

Sulfate (as SO4), MW-07 (mg/L)



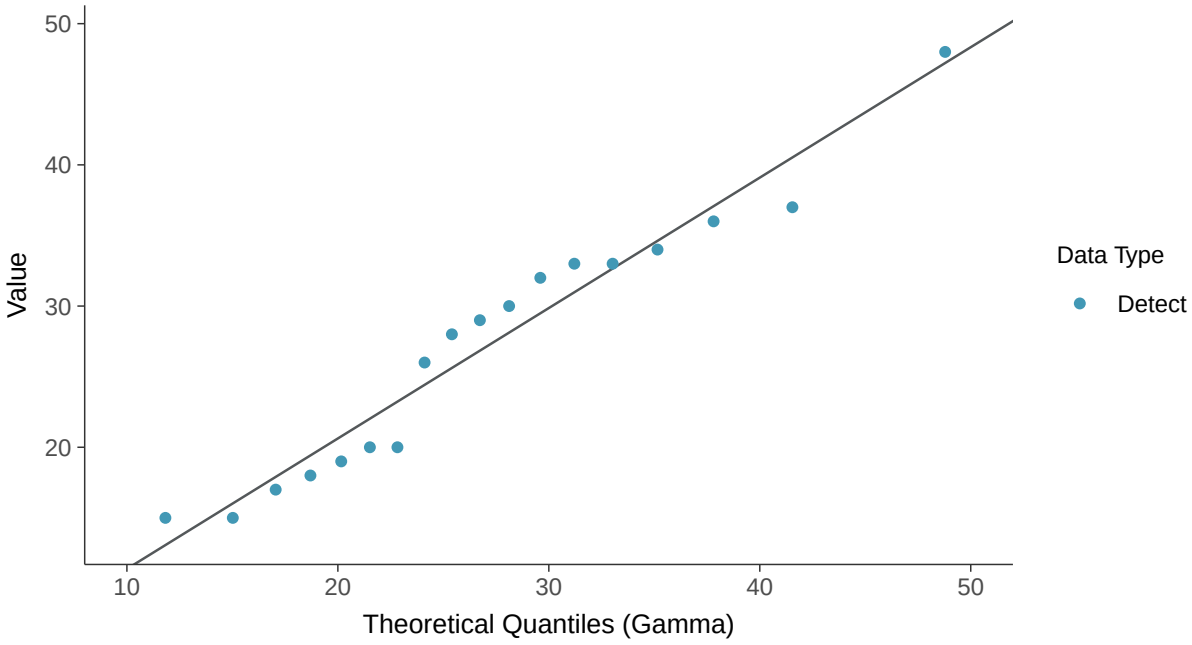
Lognormal Q-Q plot

Sulfate (as SO4), MW-07 (mg/L)



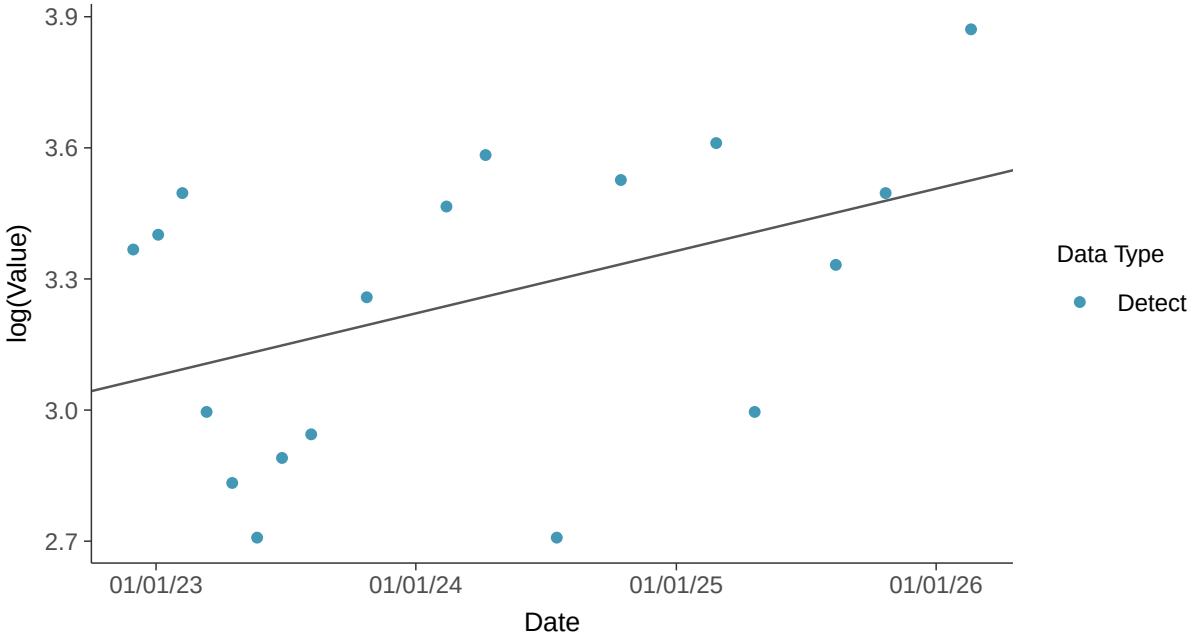
Gamma Q-Q plot

Sulfate (as SO4), MW-07 (mg/L)



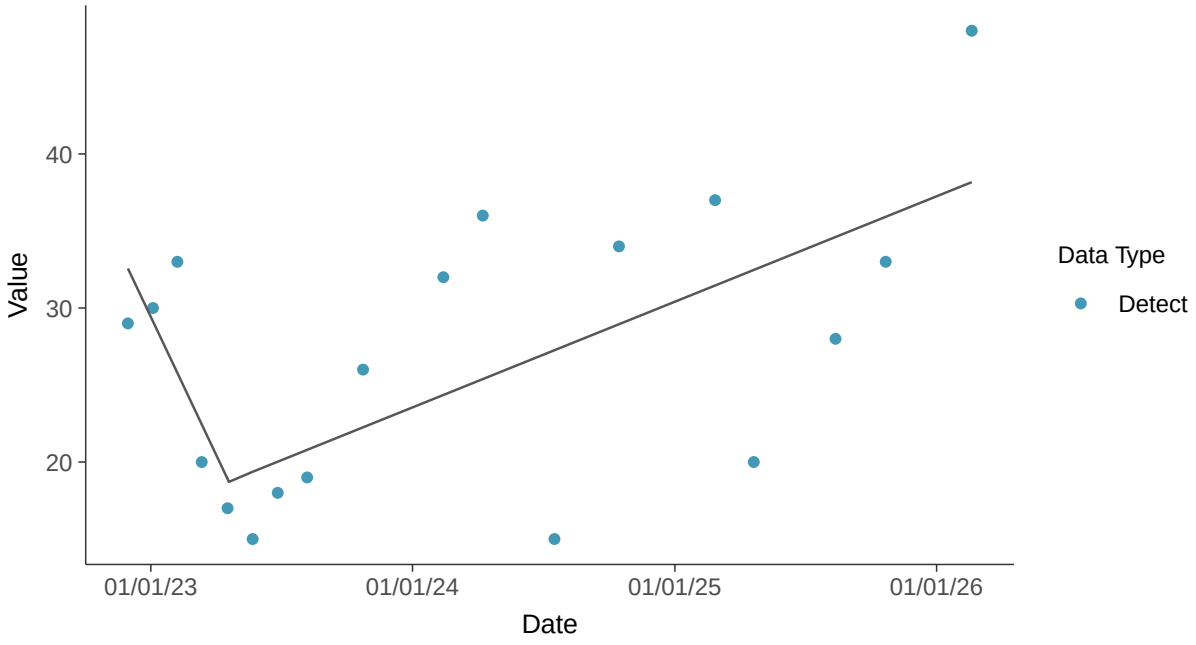
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-07 (mg/L)



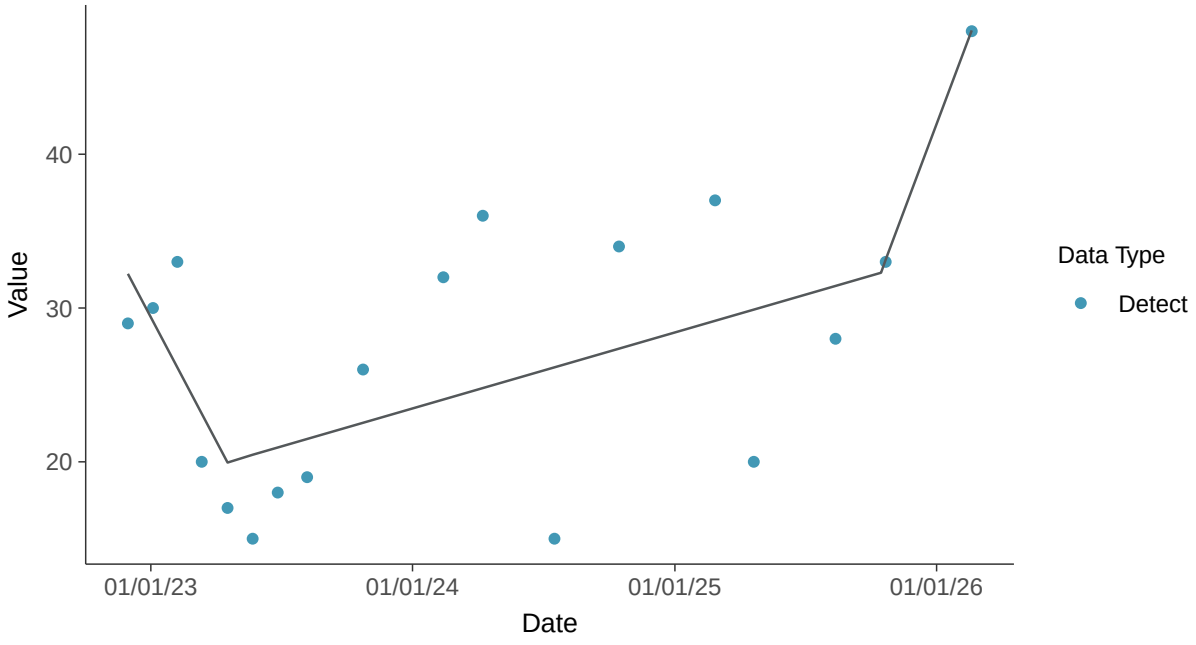
Trend Regression: Piecewise Linear-Linear

Sulfate (as SO4), MW-07 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Sulfate (as SO4), MW-07 (mg/L)

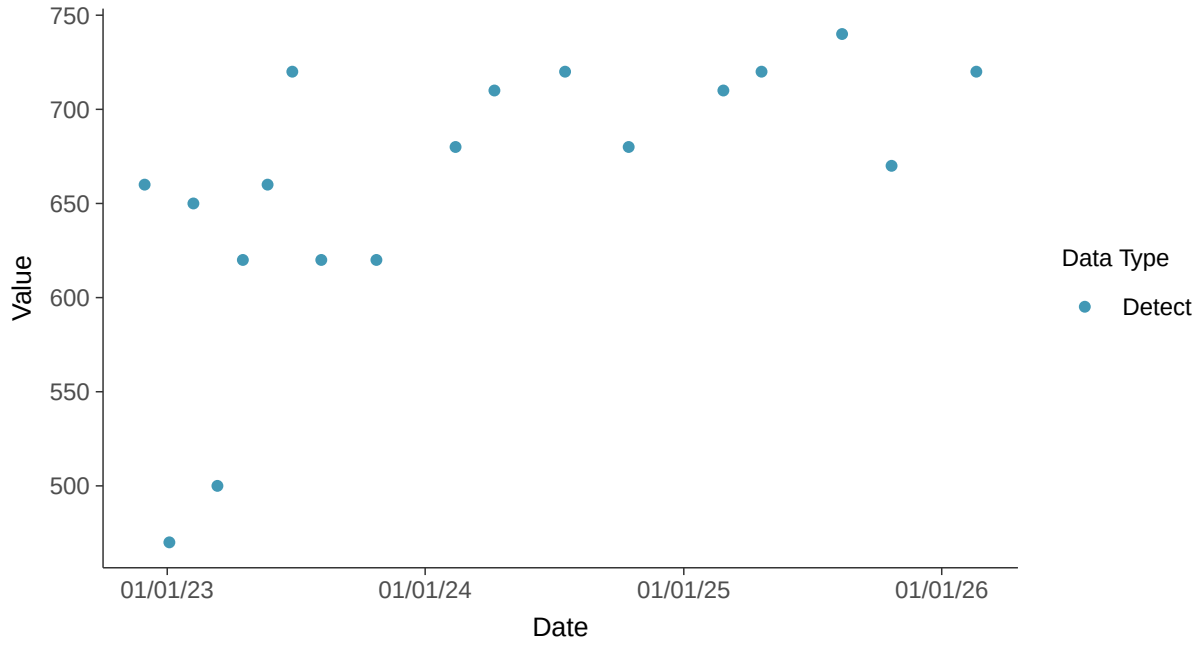


Appendix III: Total Dissolved Solids, MW-07

ID: 17_1_3_126

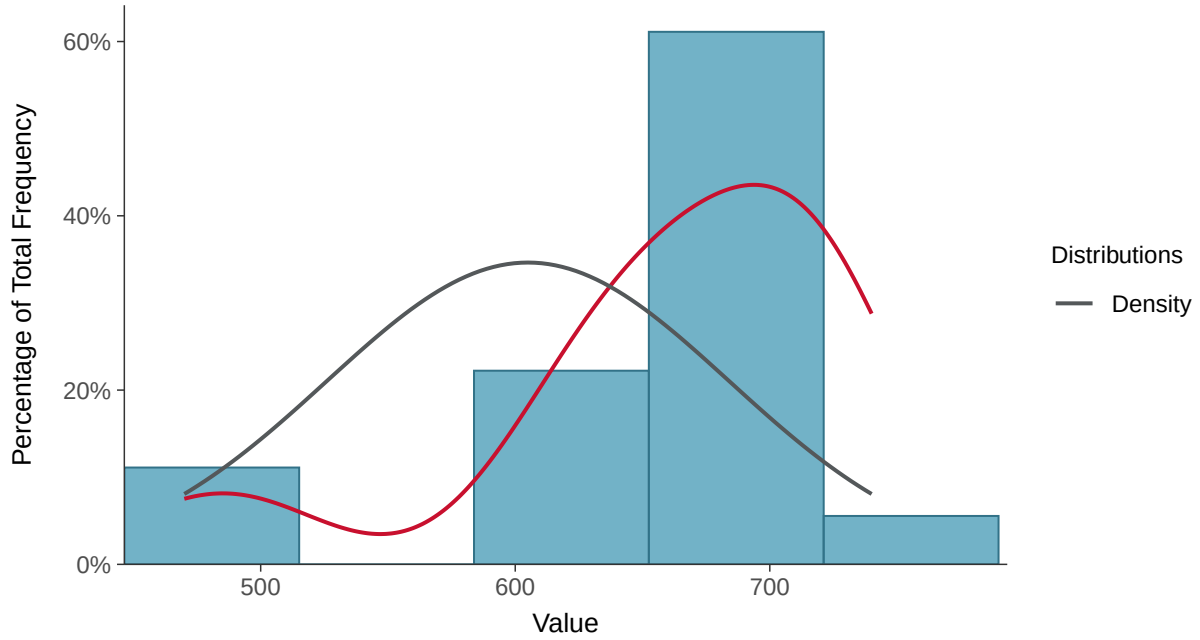
Scatter Plot

Total Dissolved Solids, MW-07 (mg/L)



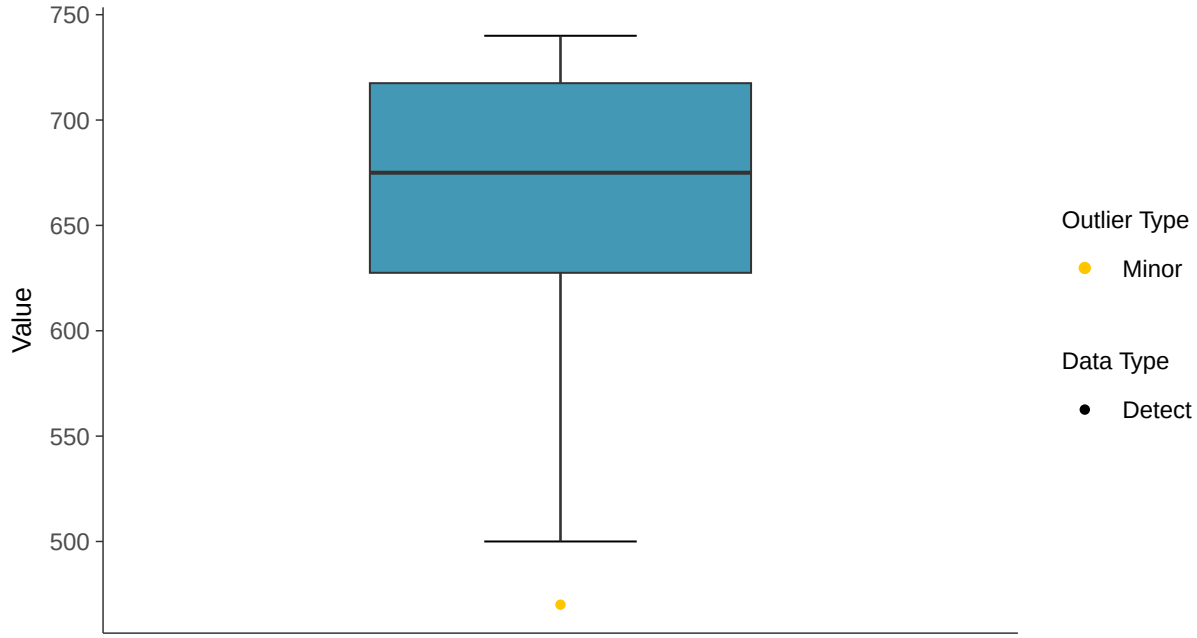
Histogram

Total Dissolved Solids, MW-07 (mg/L)



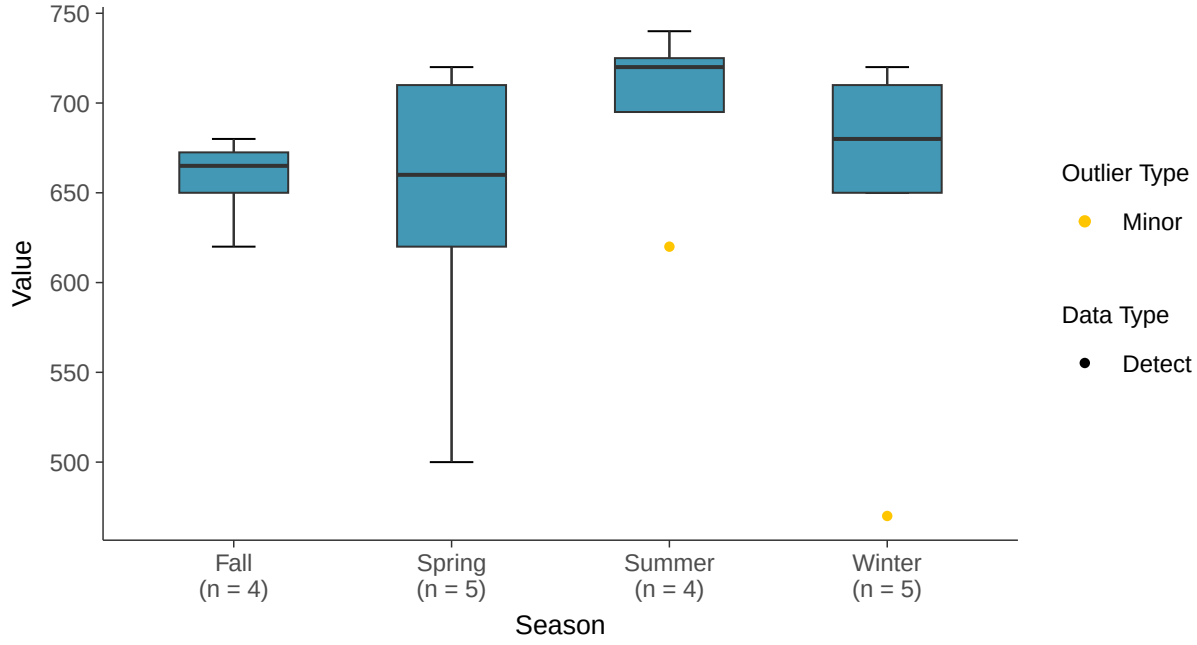
Boxplot

Total Dissolved Solids, MW-07 (mg/L)



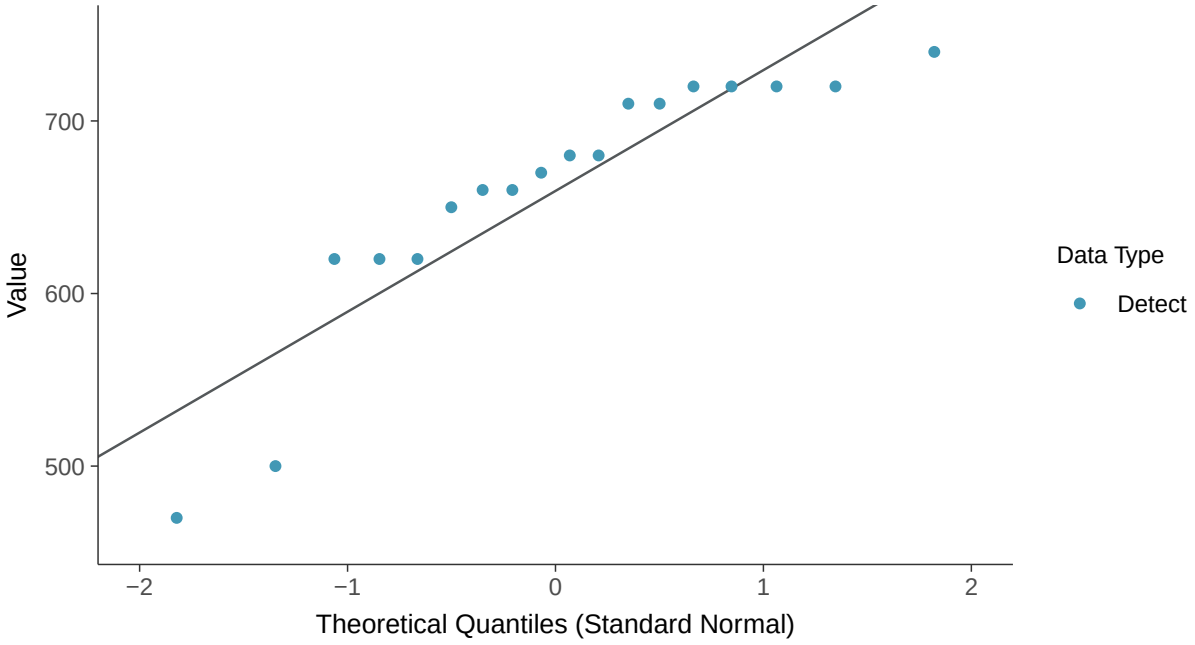
Boxplot by Season

Total Dissolved Solids, MW-07 (mg/L)



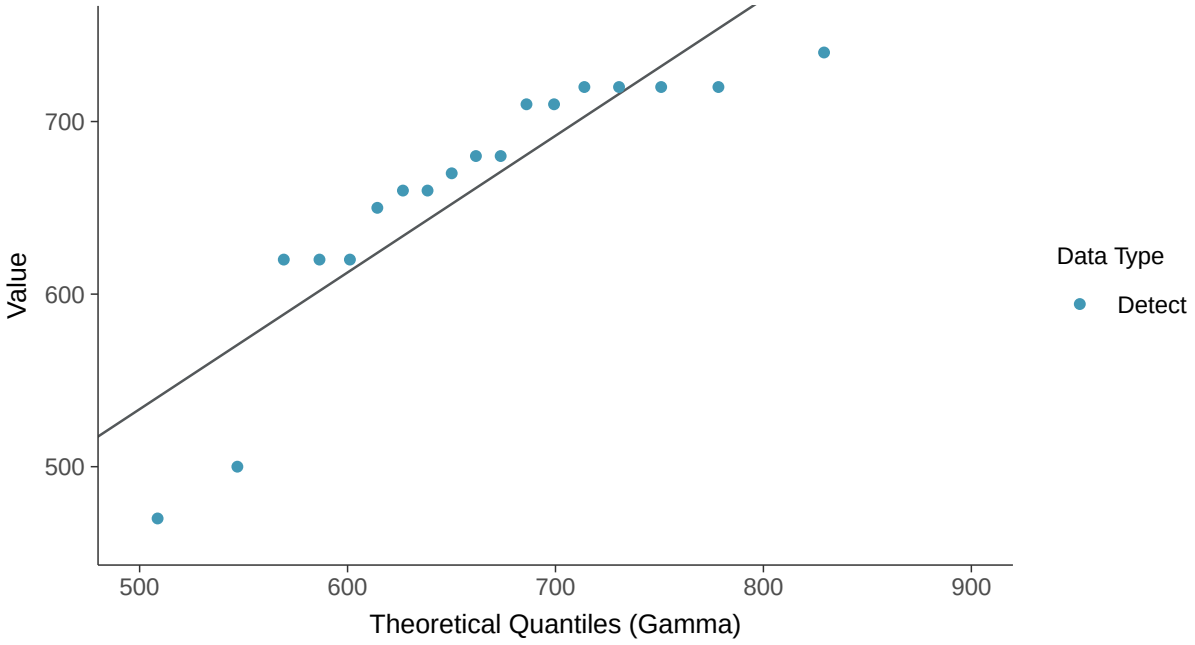
Normal Q-Q plot

Total Dissolved Solids, MW-07 (mg/L)



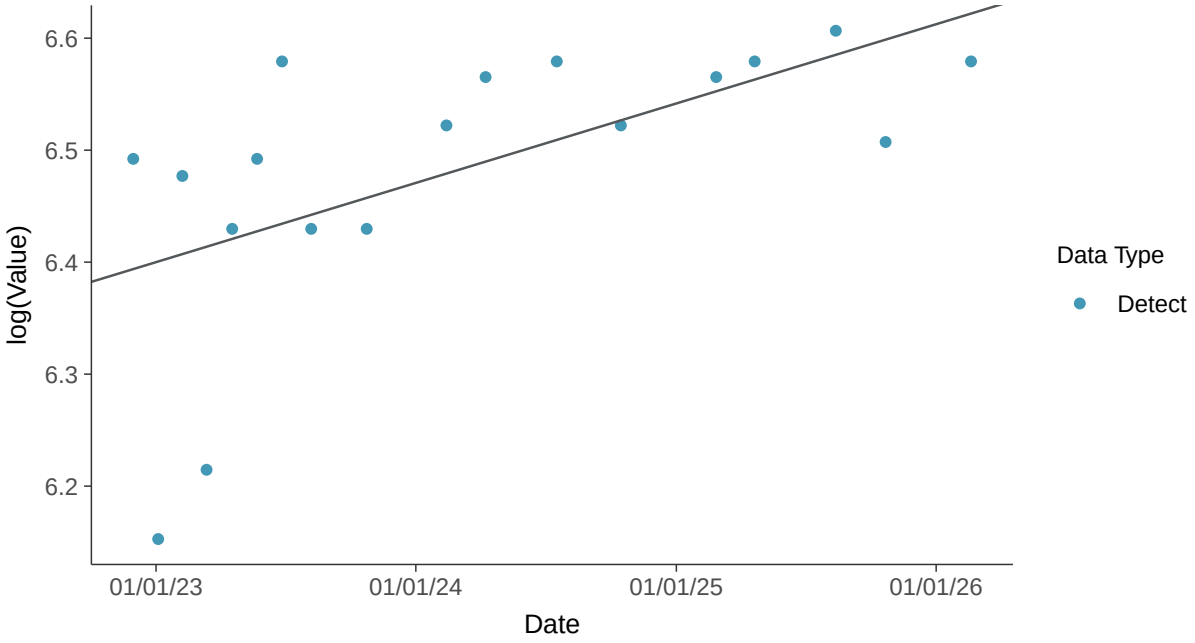
Gamma Q-Q plot

Total Dissolved Solids, MW-07 (mg/L)



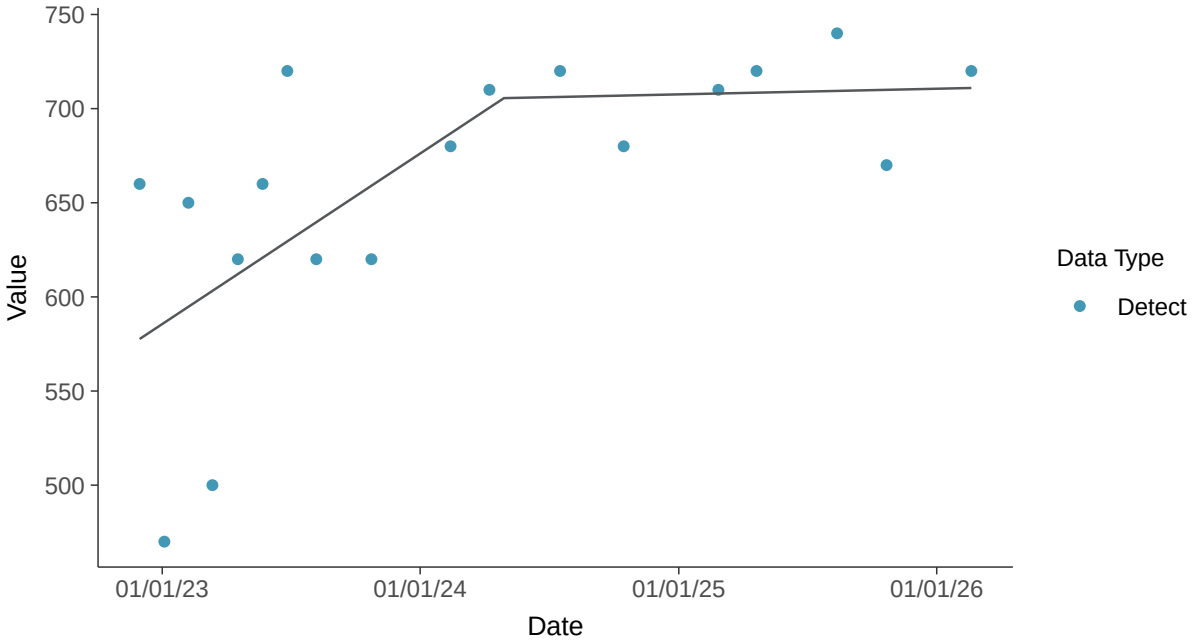
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-07 (mg/L)



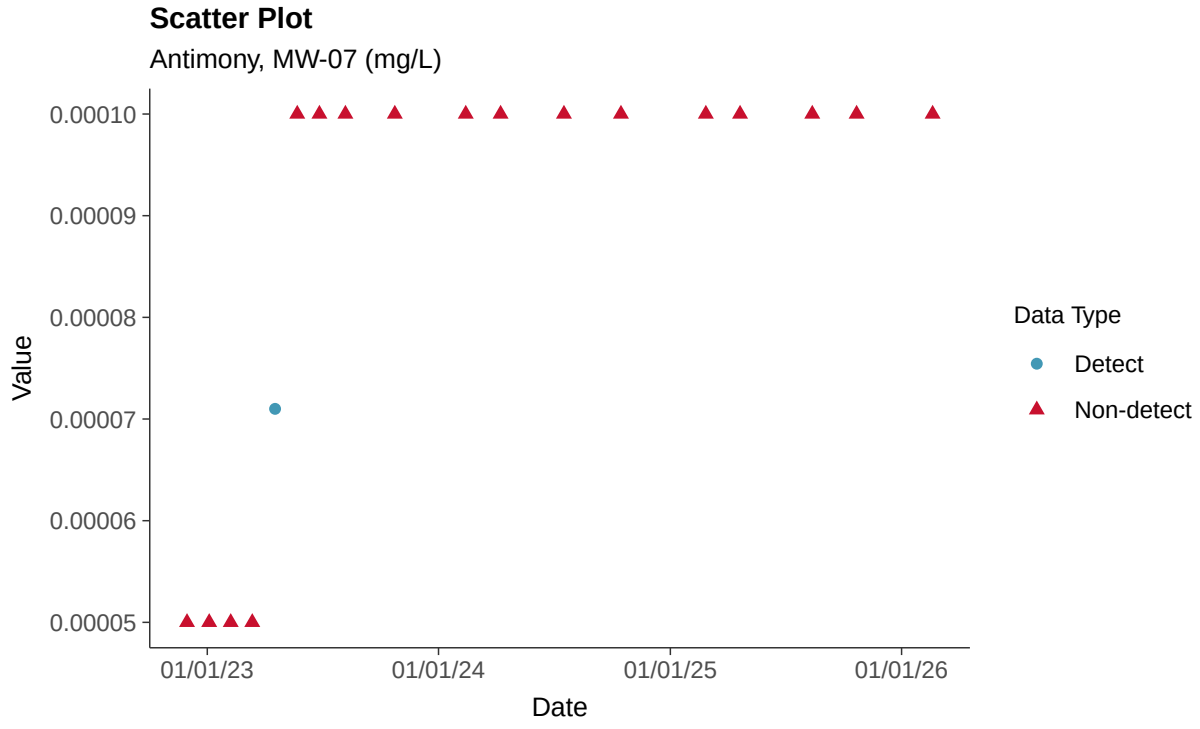
Trend Regression: Piecewise Linear-Linear

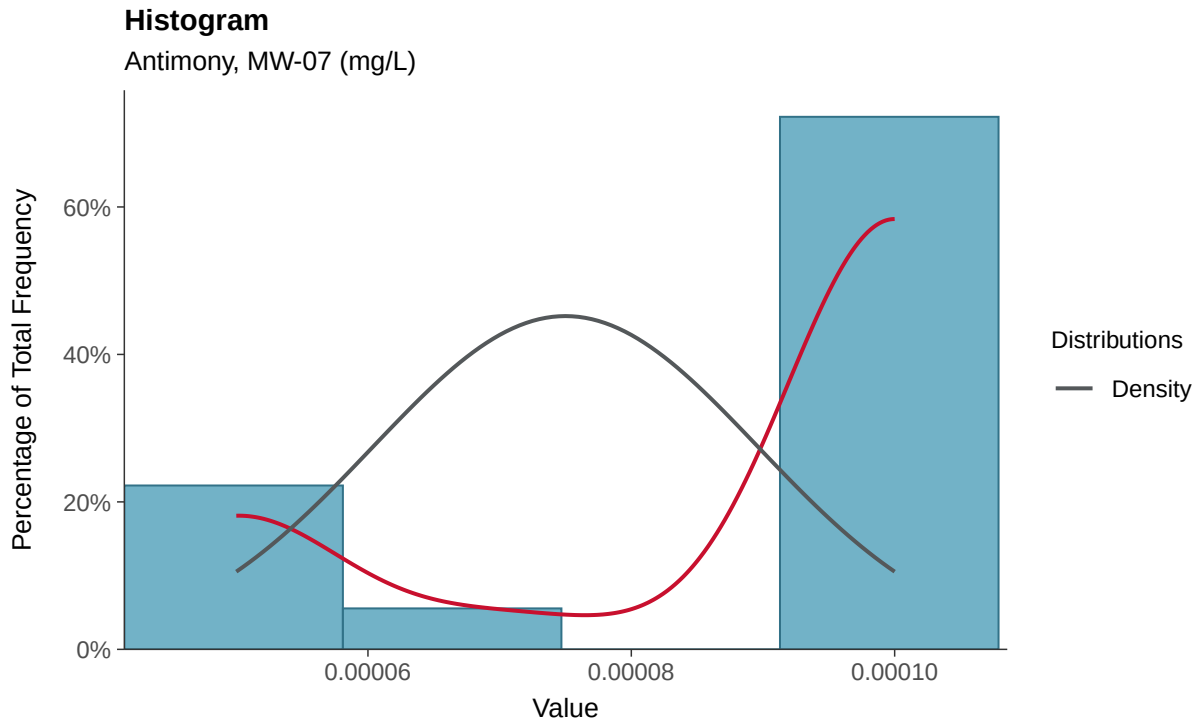
Total Dissolved Solids, MW-07 (mg/L)



Appendix IV: Antimony, MW-07

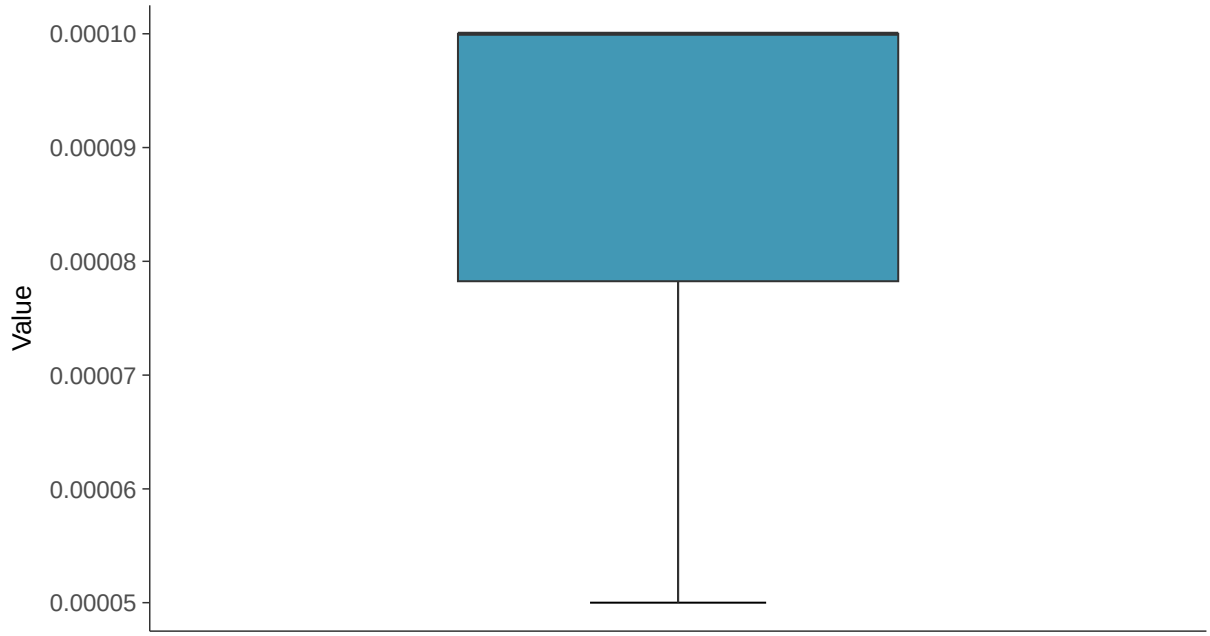
ID: 17_1_4_101





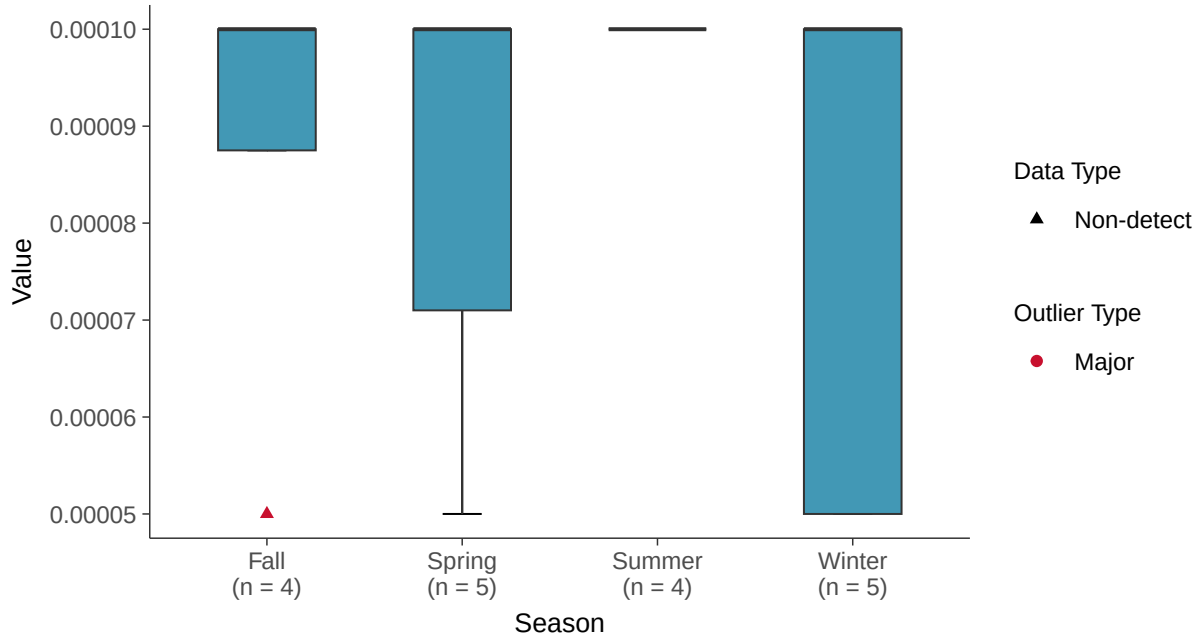
Boxplot

Antimony, MW-07 (mg/L)



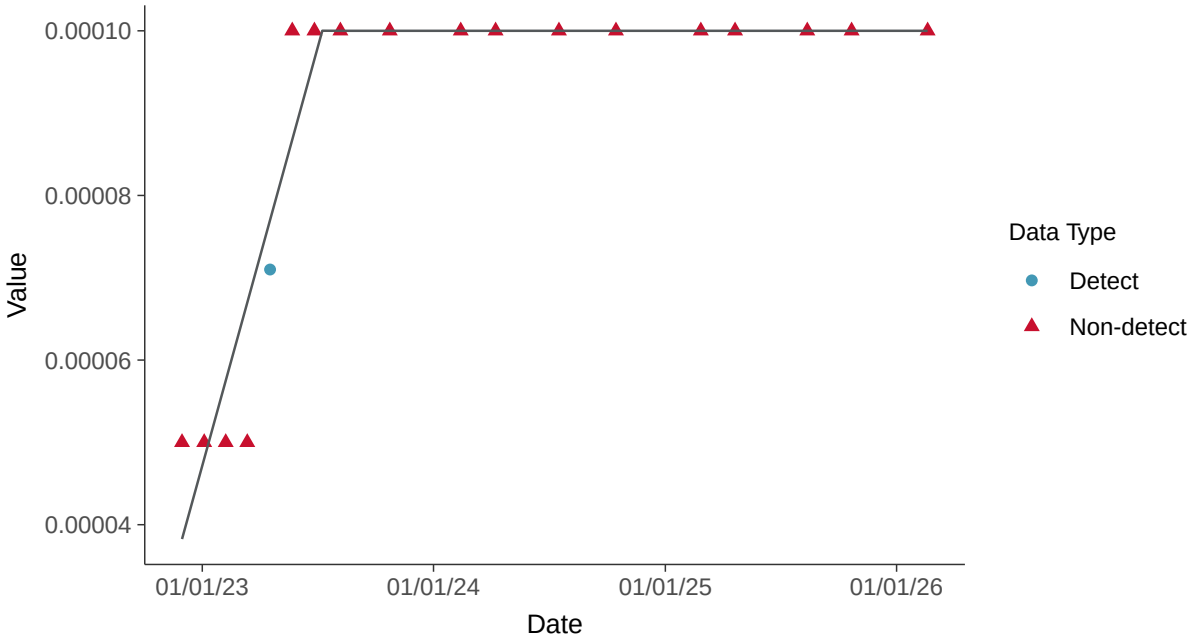
Boxplot by Season

Antimony, MW-07 (mg/L)



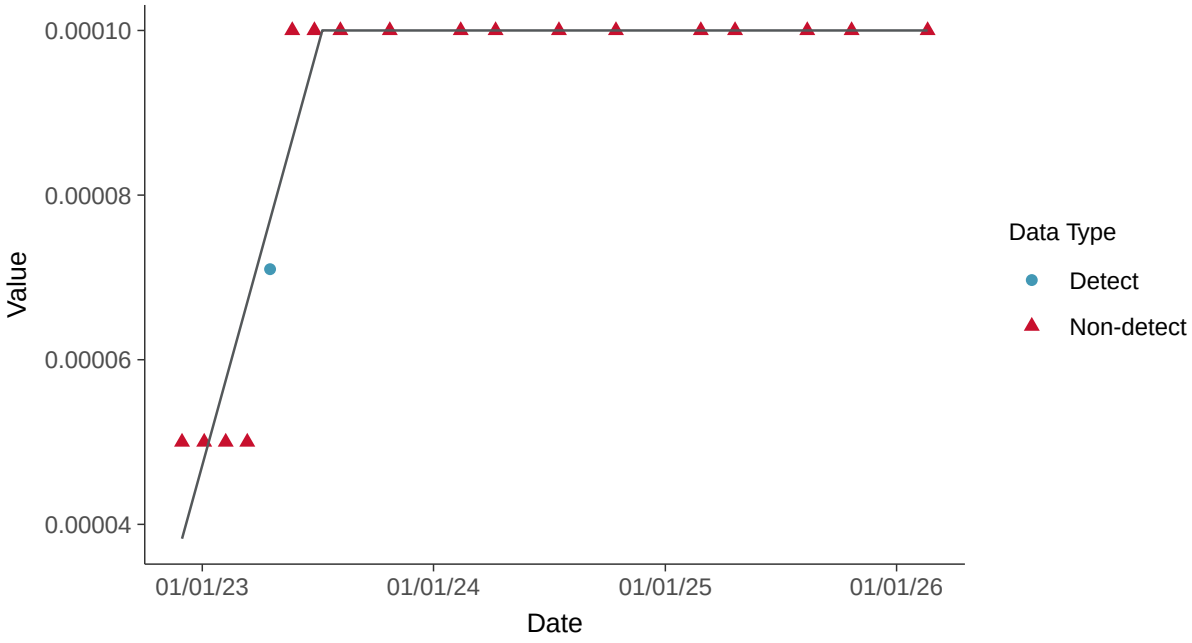
Trend Regression: Piecewise Linear-Linear

Antimony, MW-07 (mg/L)



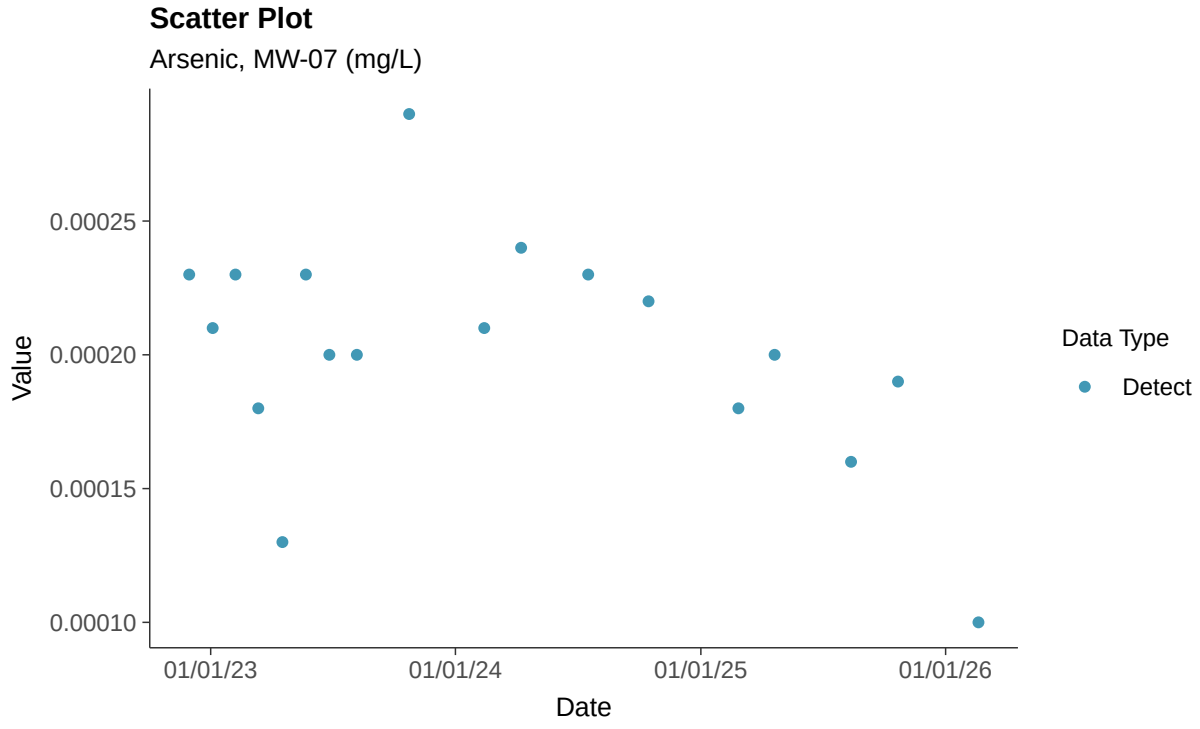
Trend Regression: Piecewise Linear-Linear-Linear

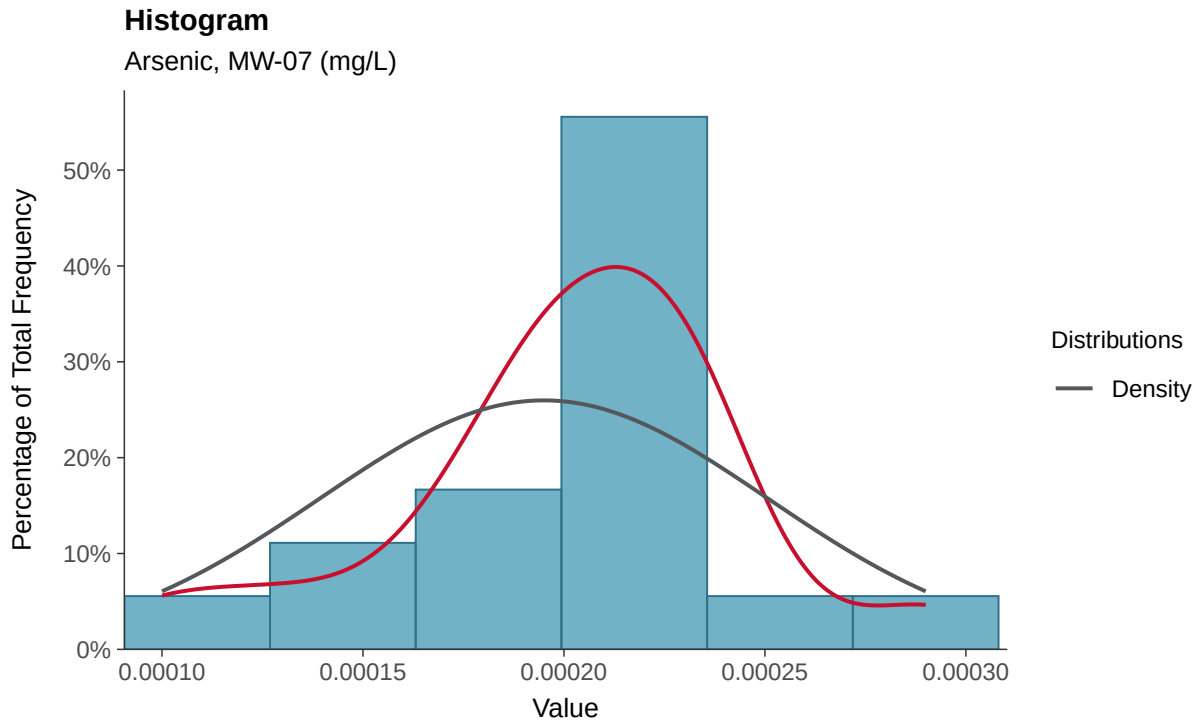
Antimony, MW-07 (mg/L)



Appendix IV: Arsenic, MW-07

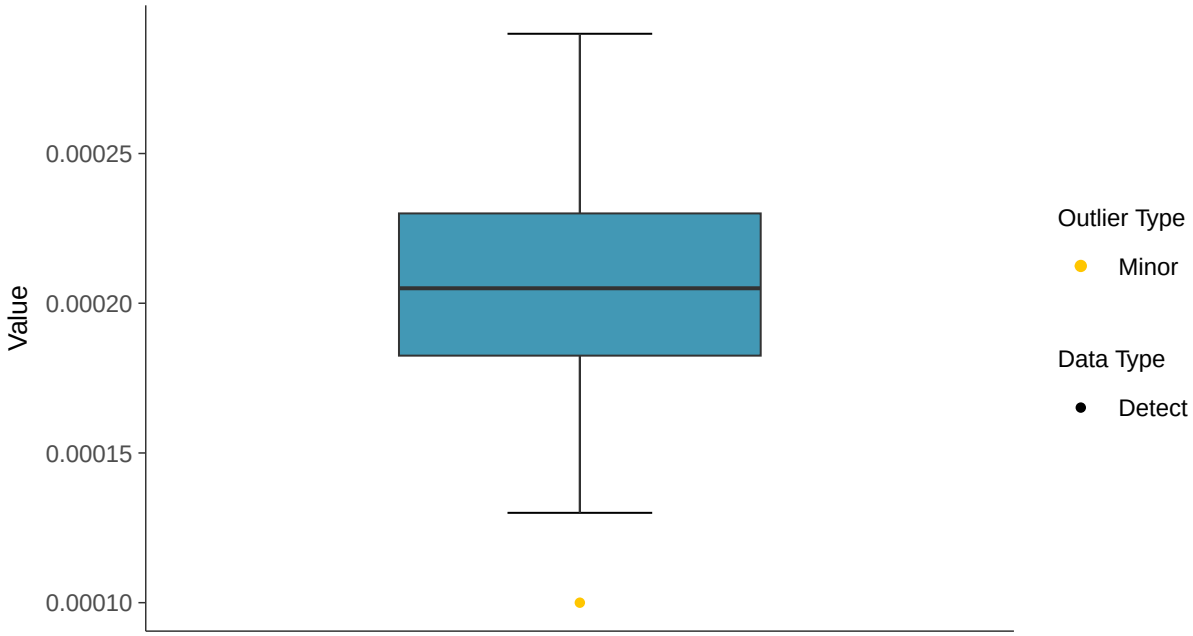
ID: 17_1_4_102





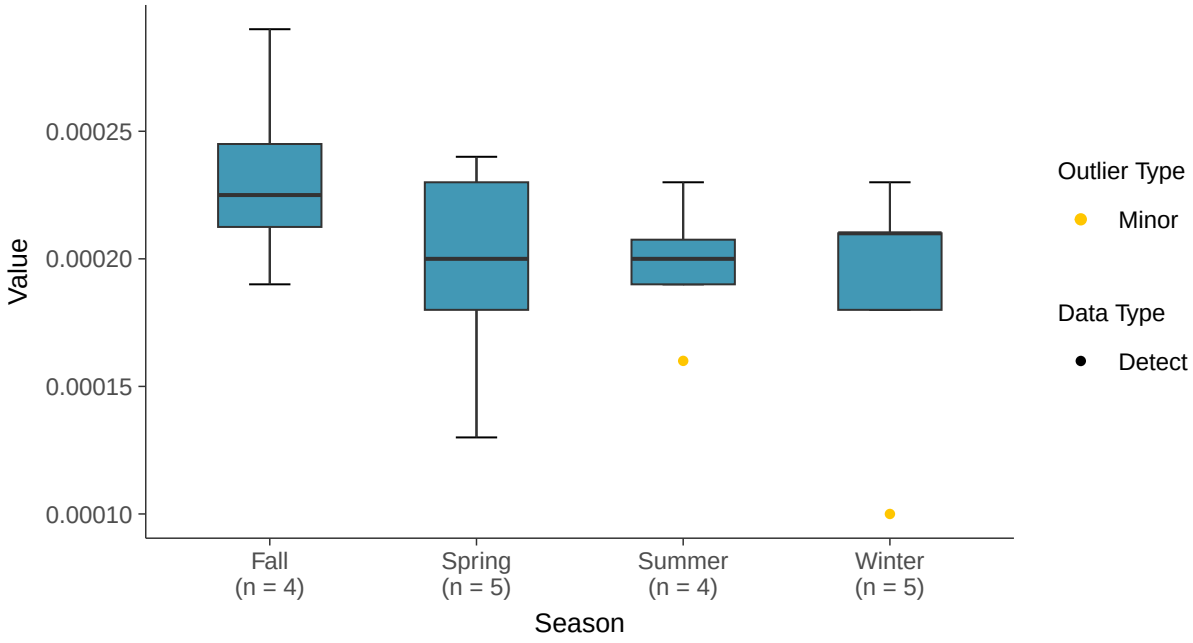
Boxplot

Arsenic, MW-07 (mg/L)



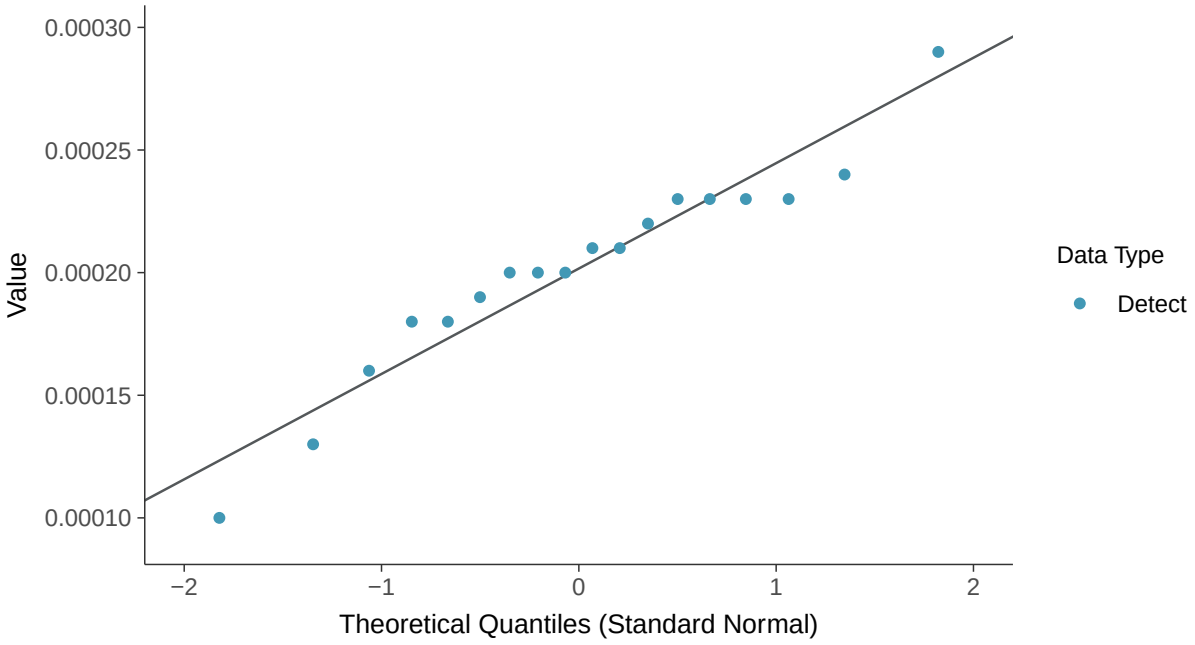
Boxplot by Season

Arsenic, MW-07 (mg/L)



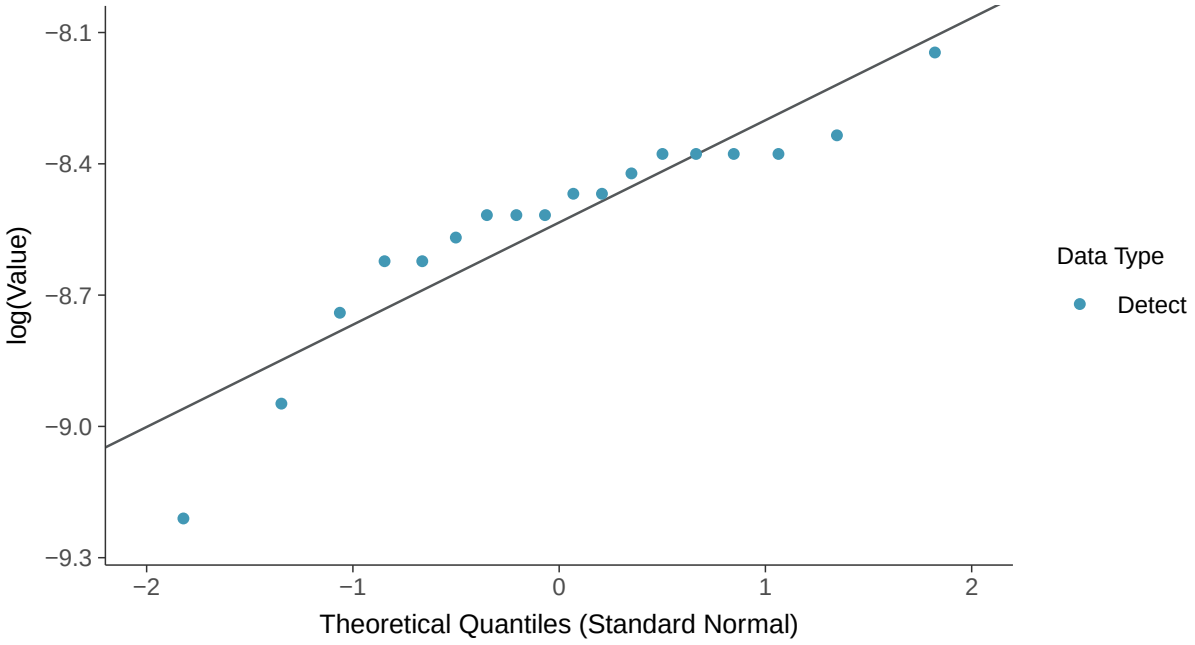
Normal Q-Q plot

Arsenic, MW-07 (mg/L)



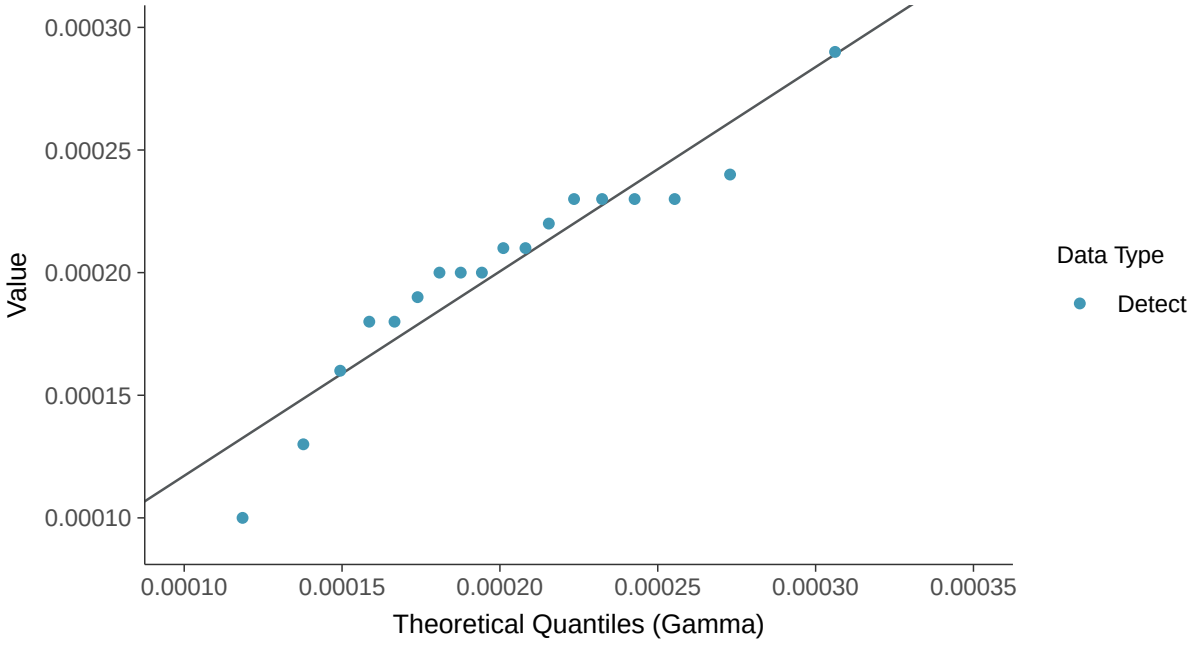
Lognormal Q-Q plot

Arsenic, MW-07 (mg/L)



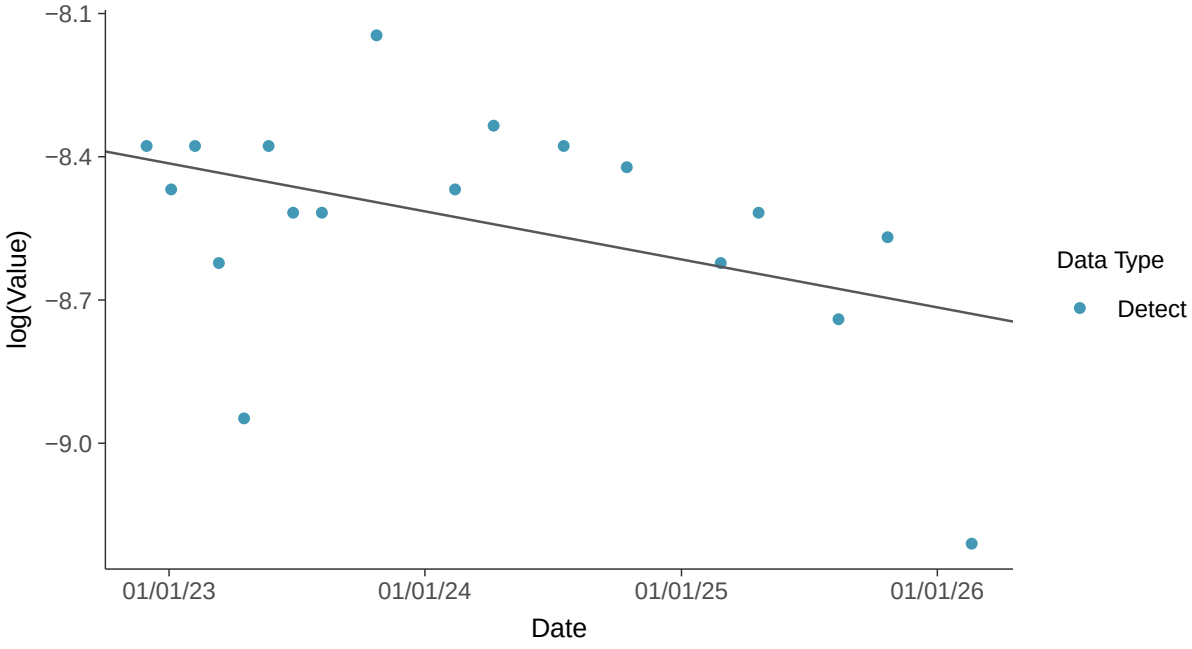
Gamma Q-Q plot

Arsenic, MW-07 (mg/L)



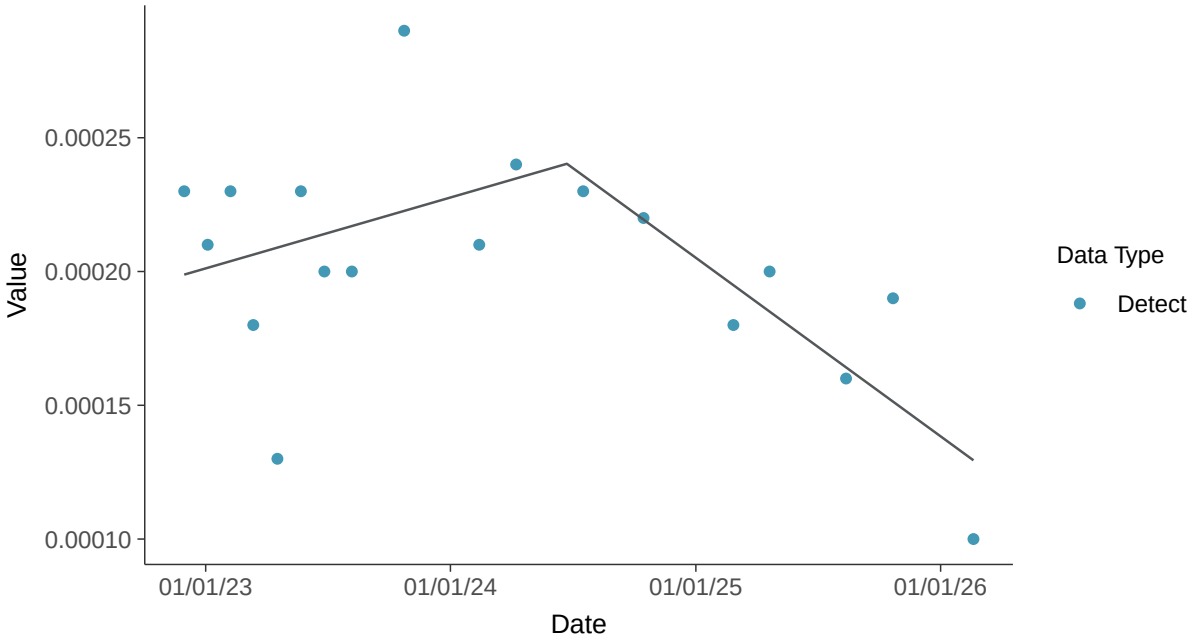
Trend Regression: Lognormal MLE

Arsenic, MW-07 (mg/L)



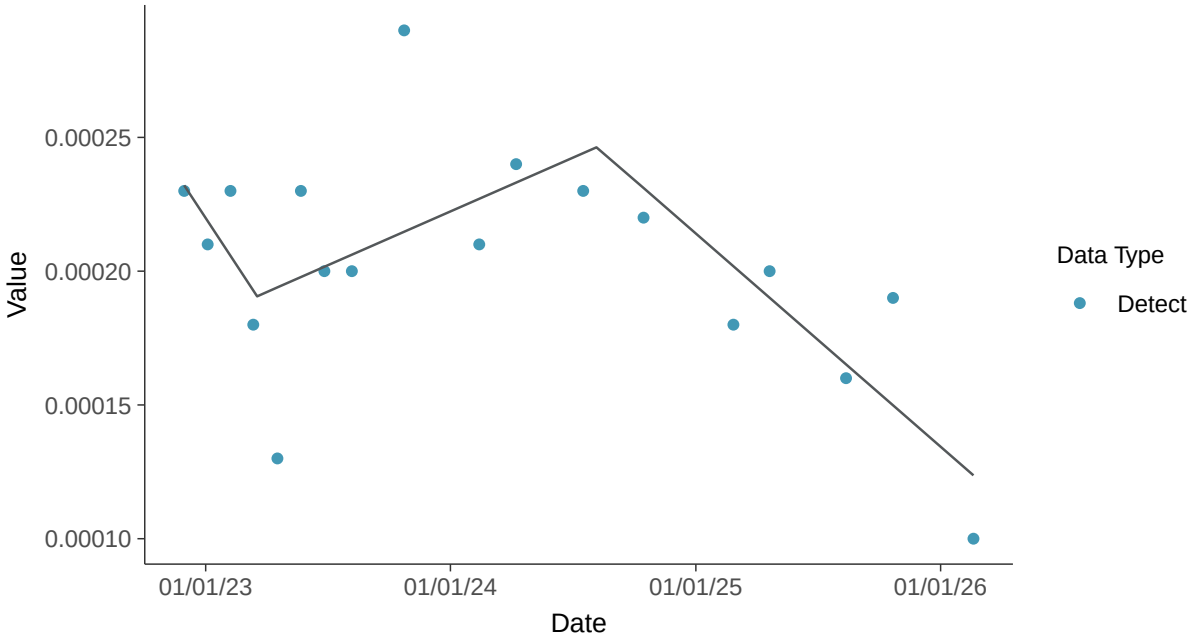
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-07 (mg/L)



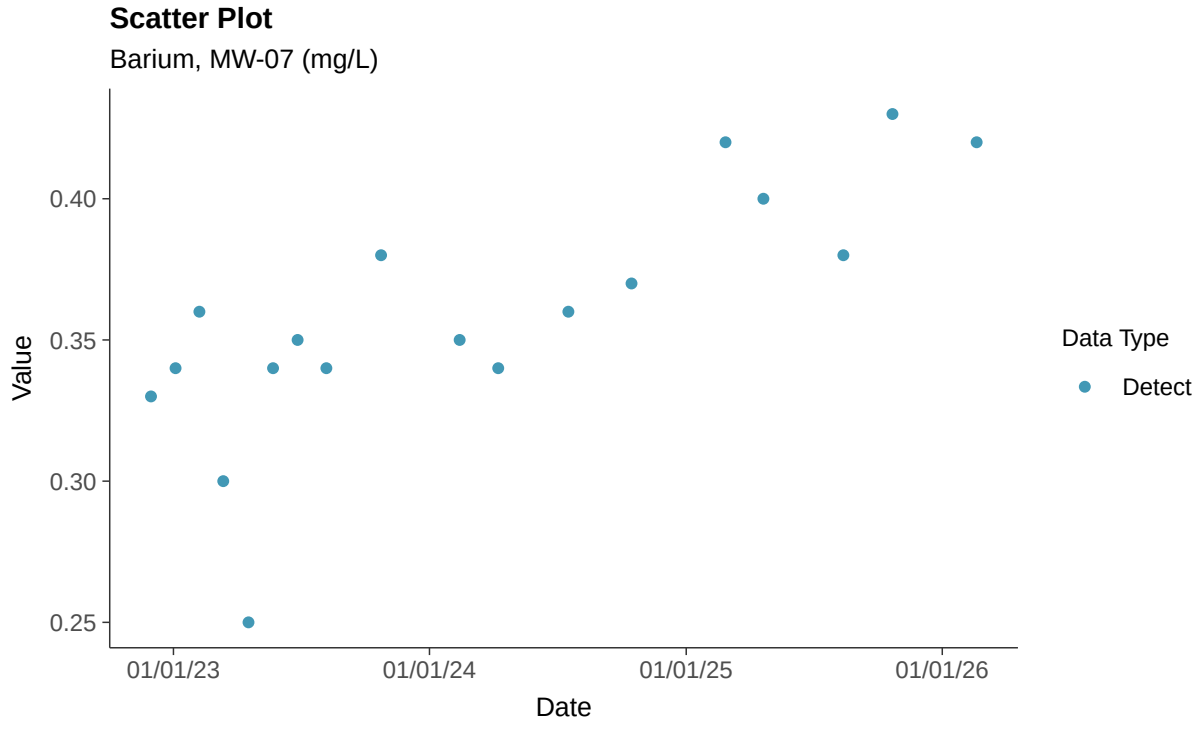
Trend Regression: Piecewise Linear-Linear-Linear

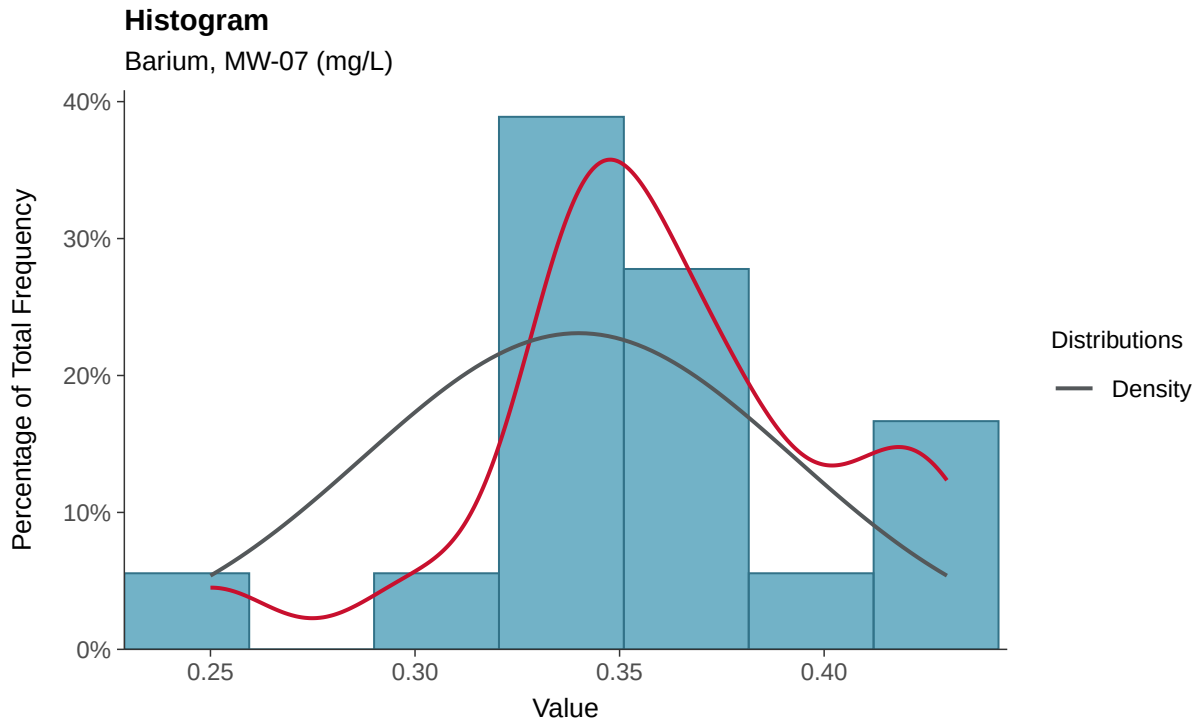
Arsenic, MW-07 (mg/L)



Appendix IV: Barium, MW-07

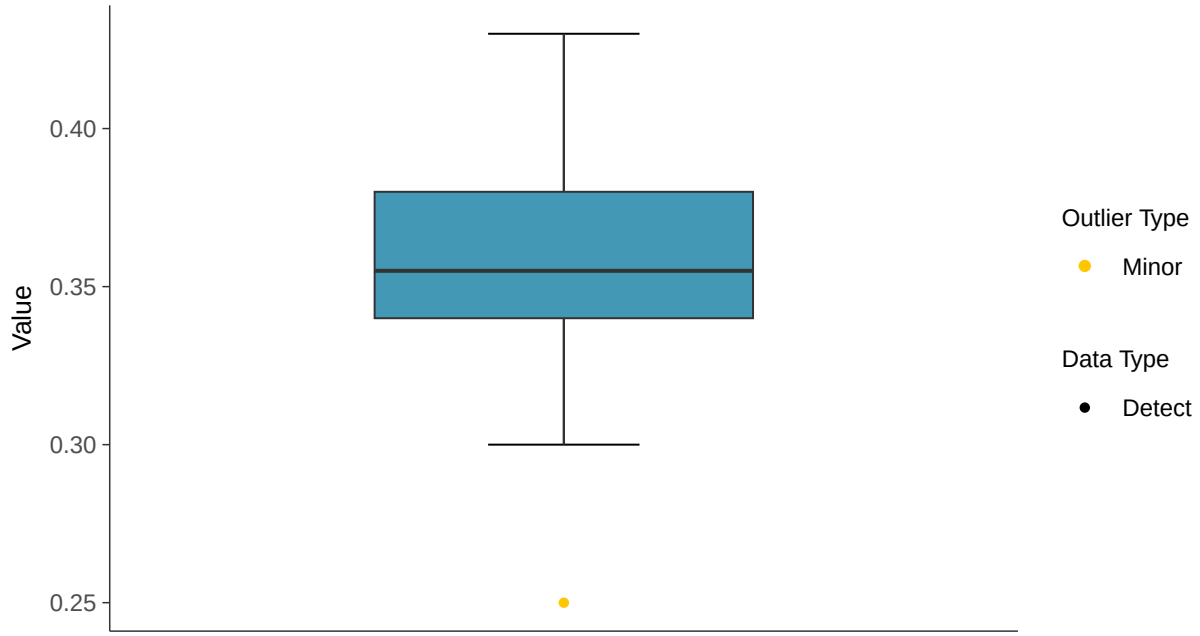
ID: 17_1_4_103





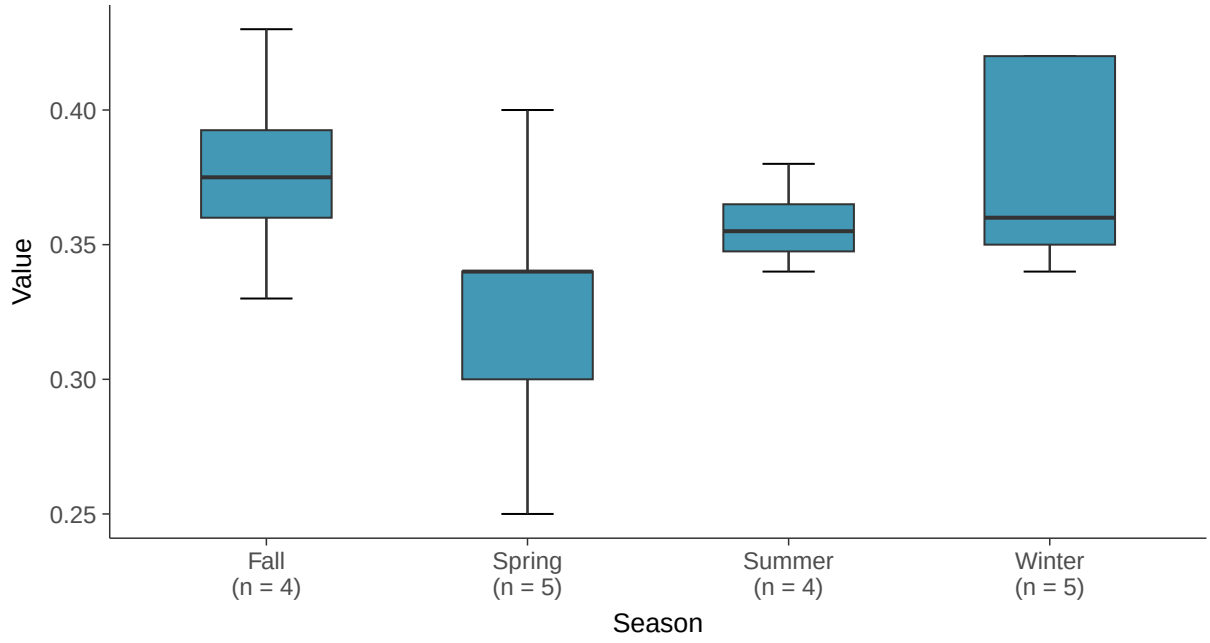
Boxplot

Barium, MW-07 (mg/L)



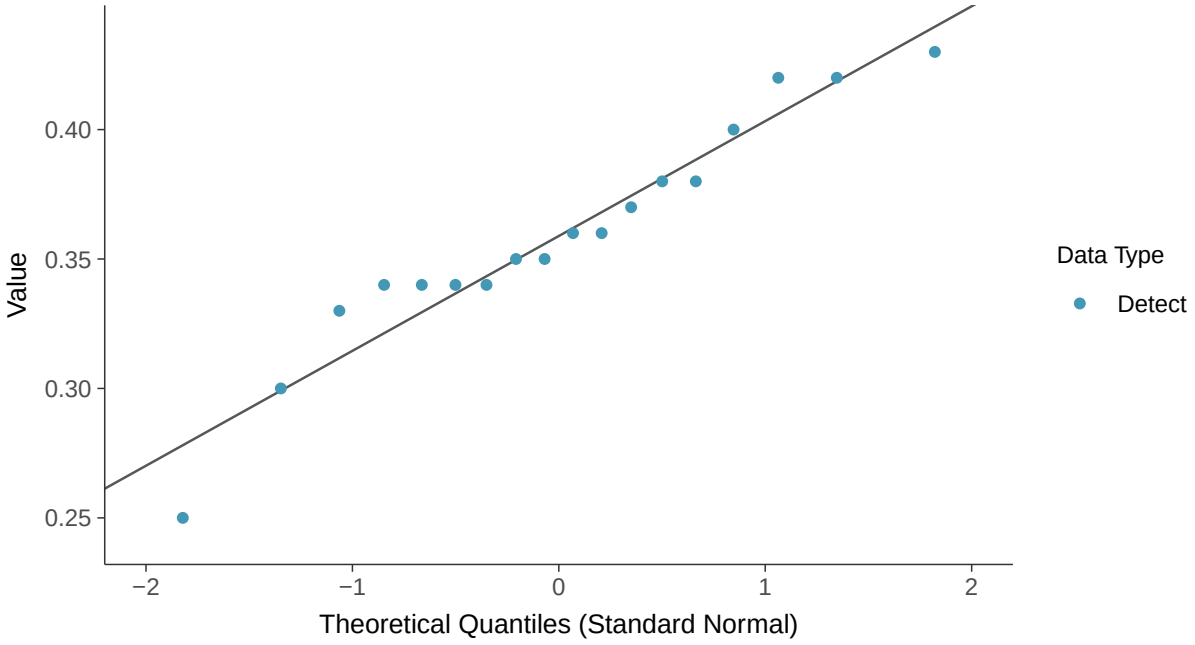
Boxplot by Season

Barium, MW-07 (mg/L)



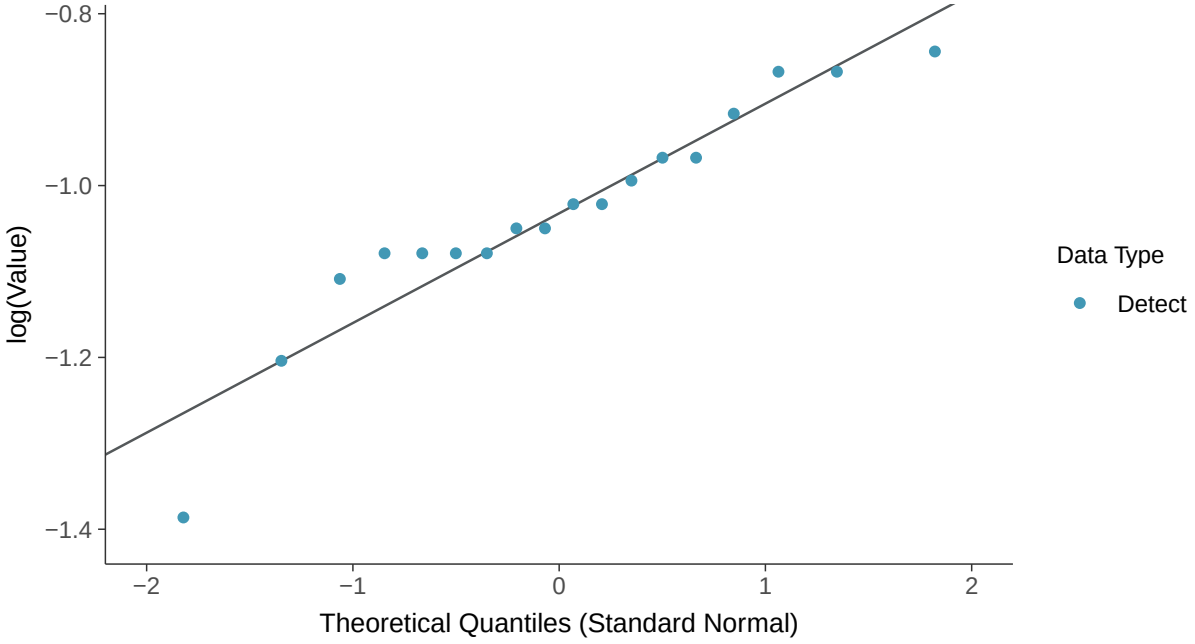
Normal Q-Q plot

Barium, MW-07 (mg/L)



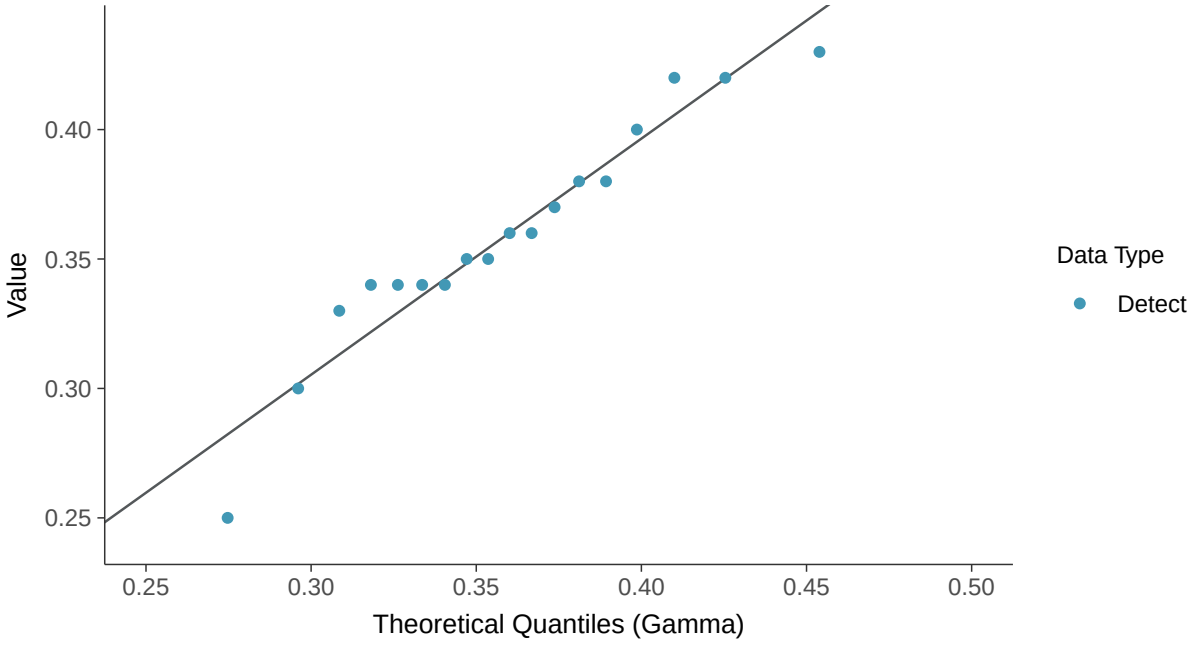
Lognormal Q-Q plot

Barium, MW-07 (mg/L)



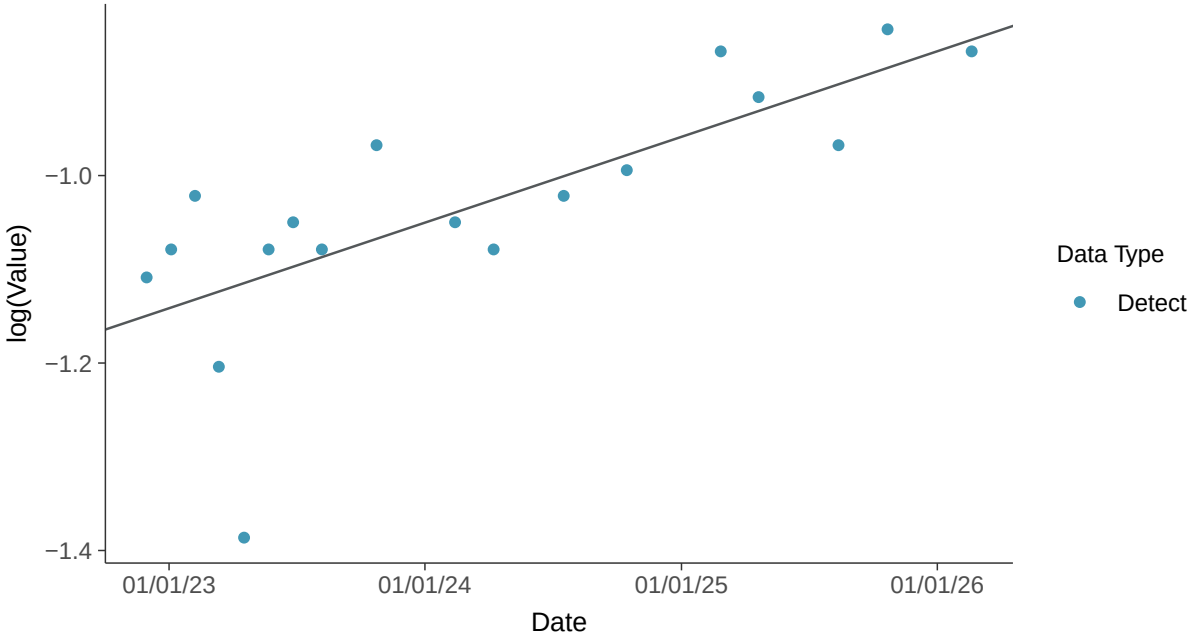
Gamma Q-Q plot

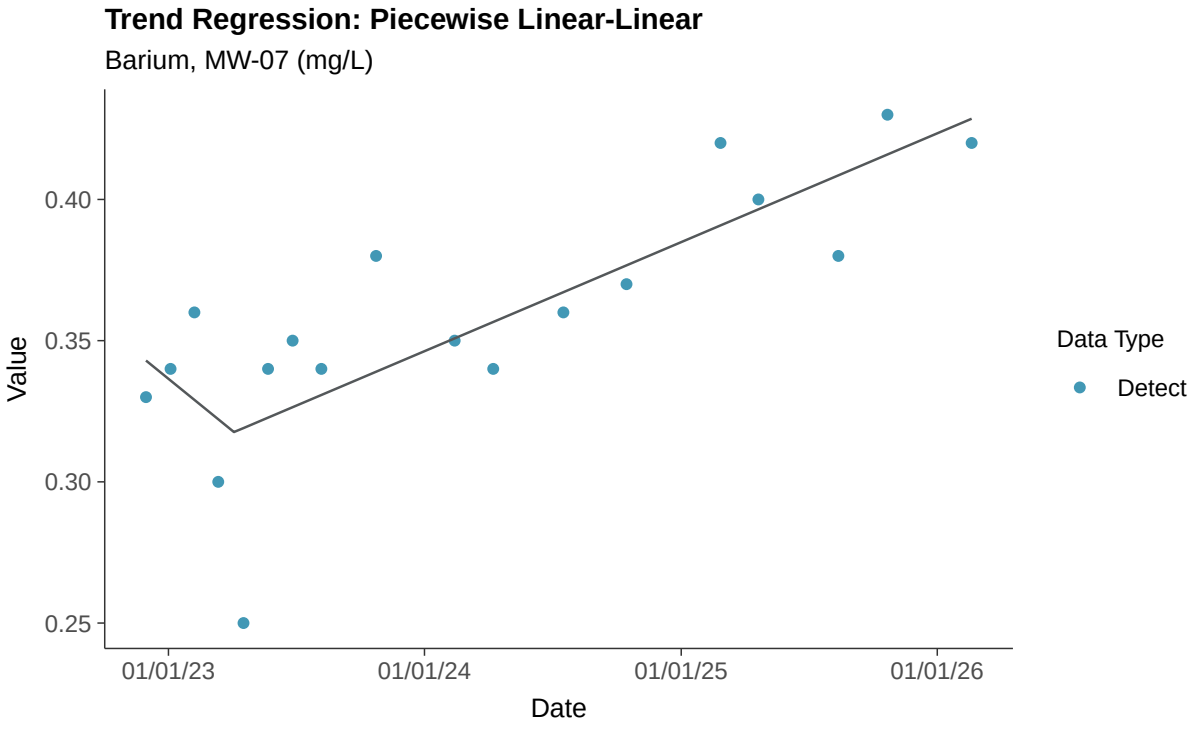
Barium, MW-07 (mg/L)



Trend Regression: Lognormal MLE

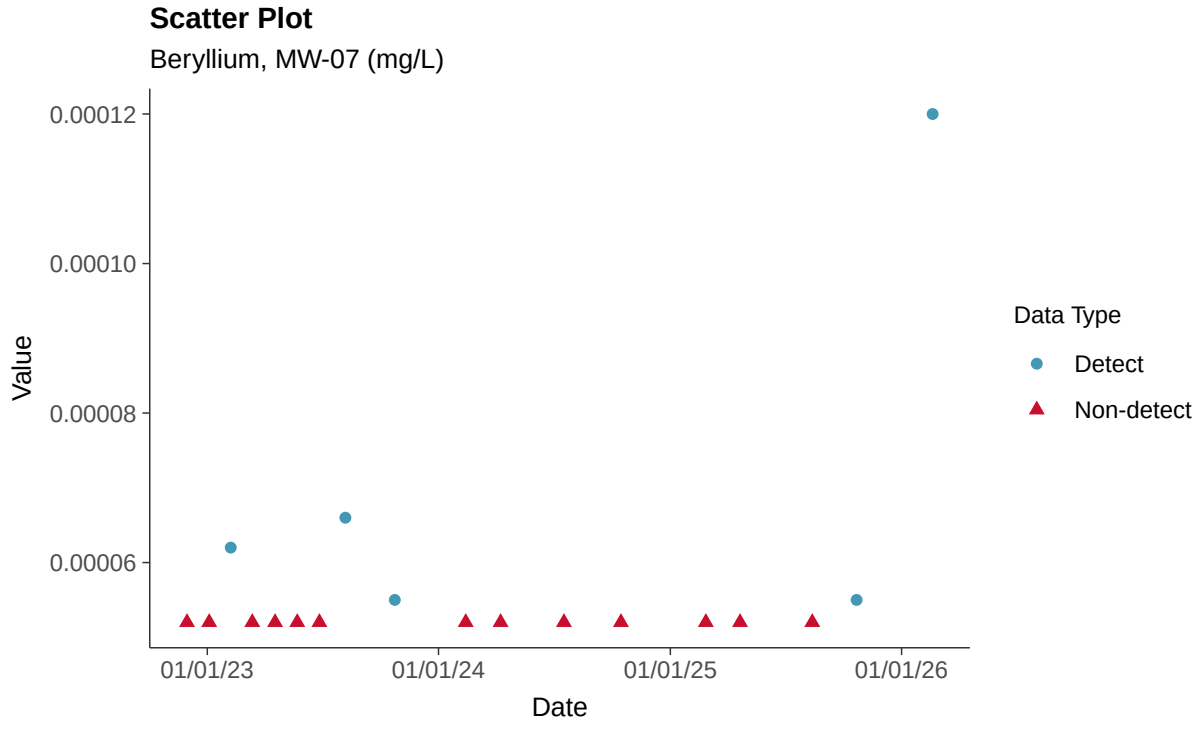
Barium, MW-07 (mg/L)

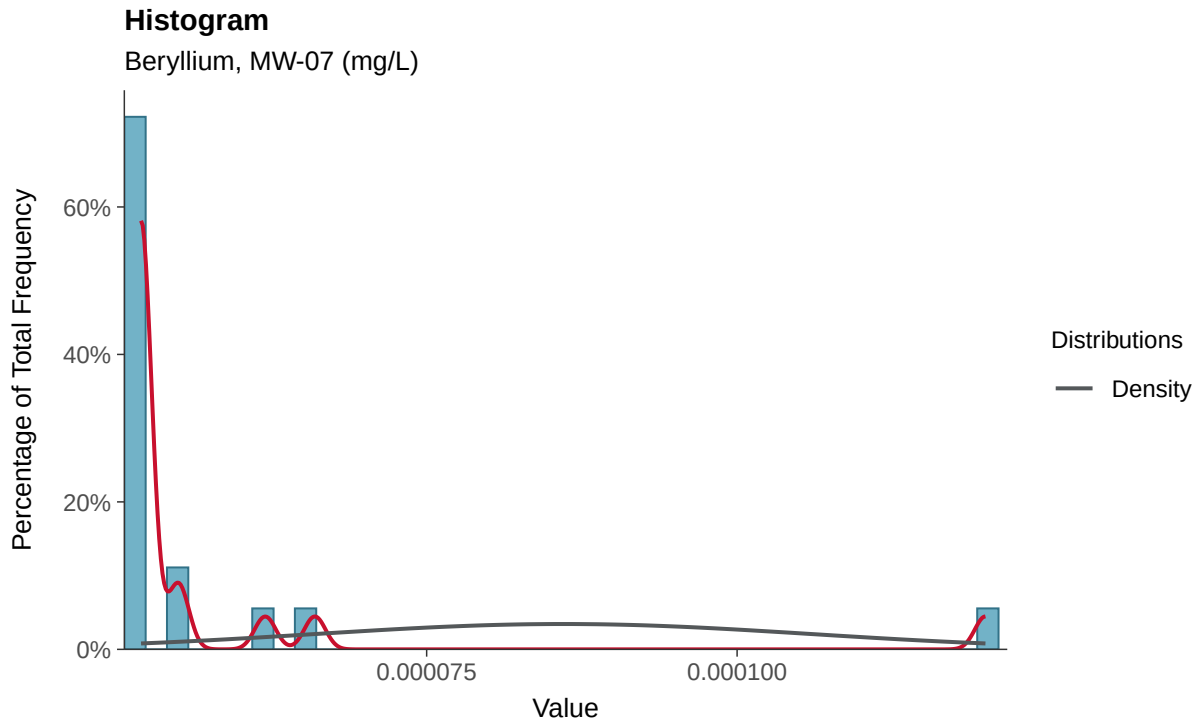



Trend Regression: Piecewise Linear-Linear
Barium, MW-07 (mg/L)
Value
0.40
0.35
0.30
0.25
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Beryllium, MW-07

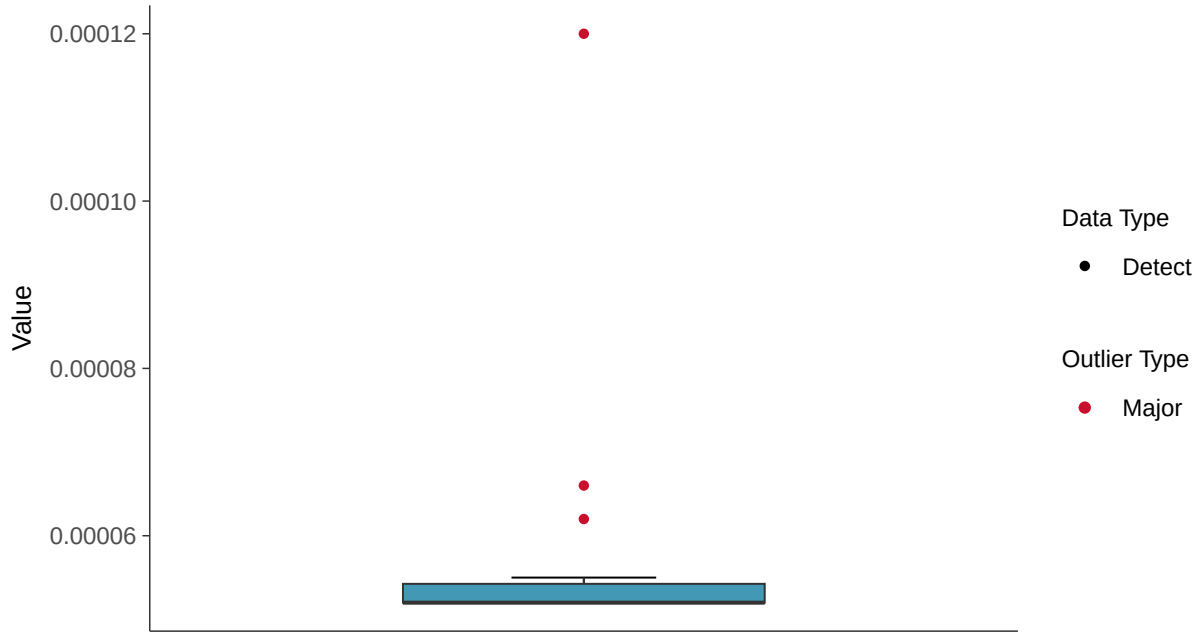
ID: 17_1_4_104





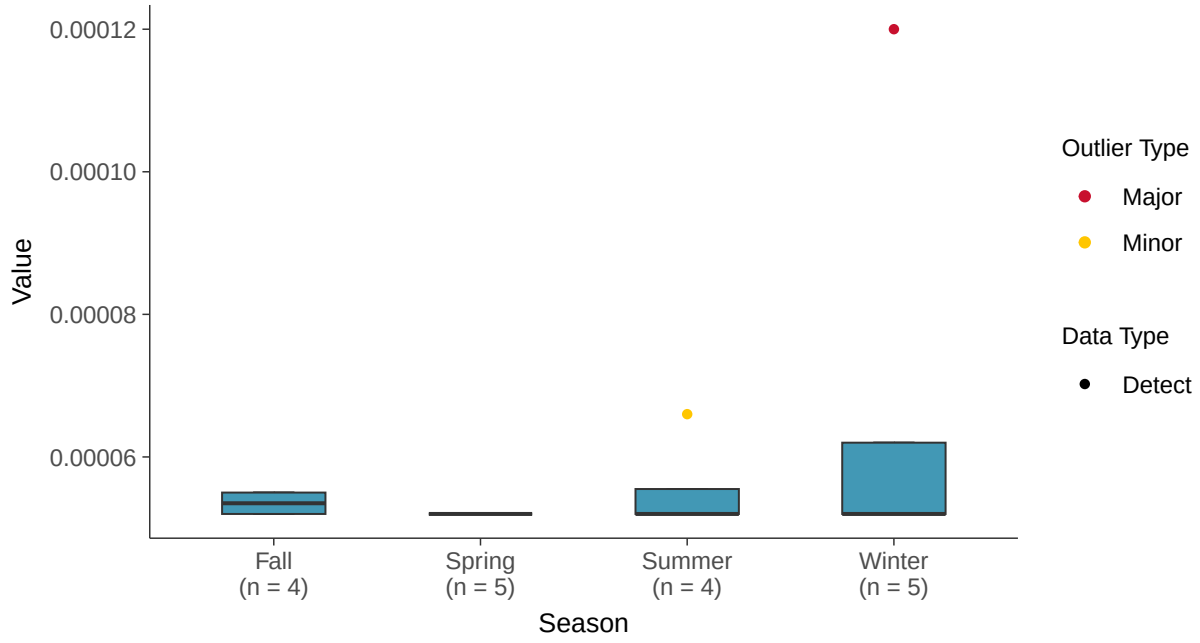
Boxplot

Beryllium, MW-07 (mg/L)



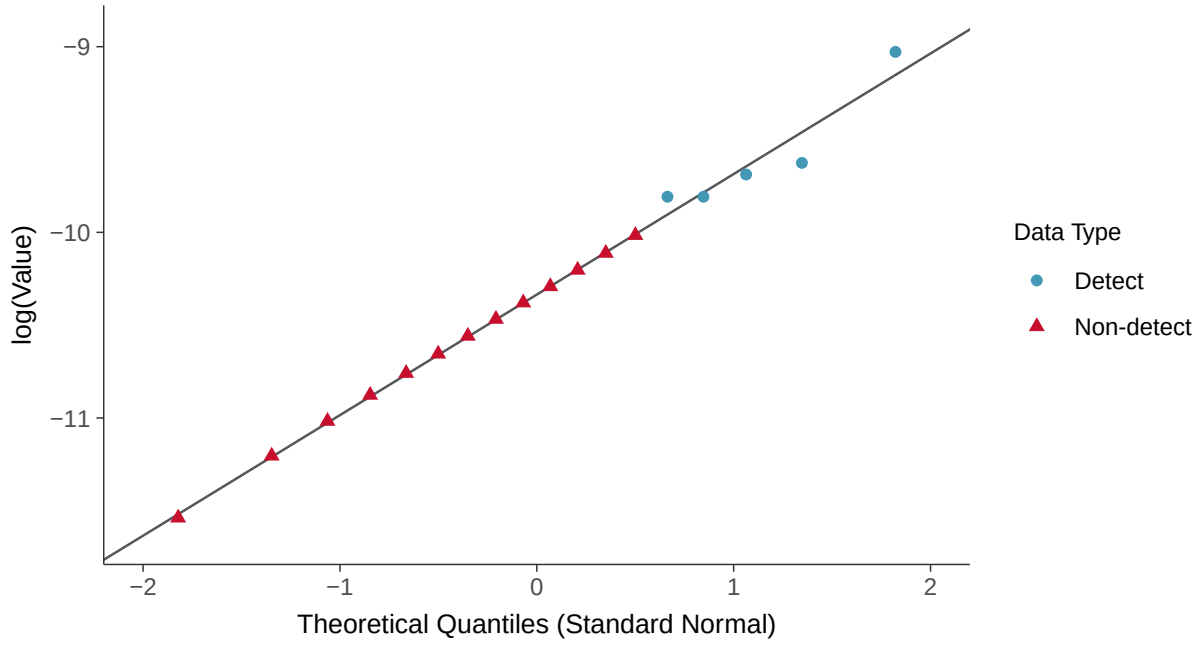
Boxplot by Season

Beryllium, MW-07 (mg/L)



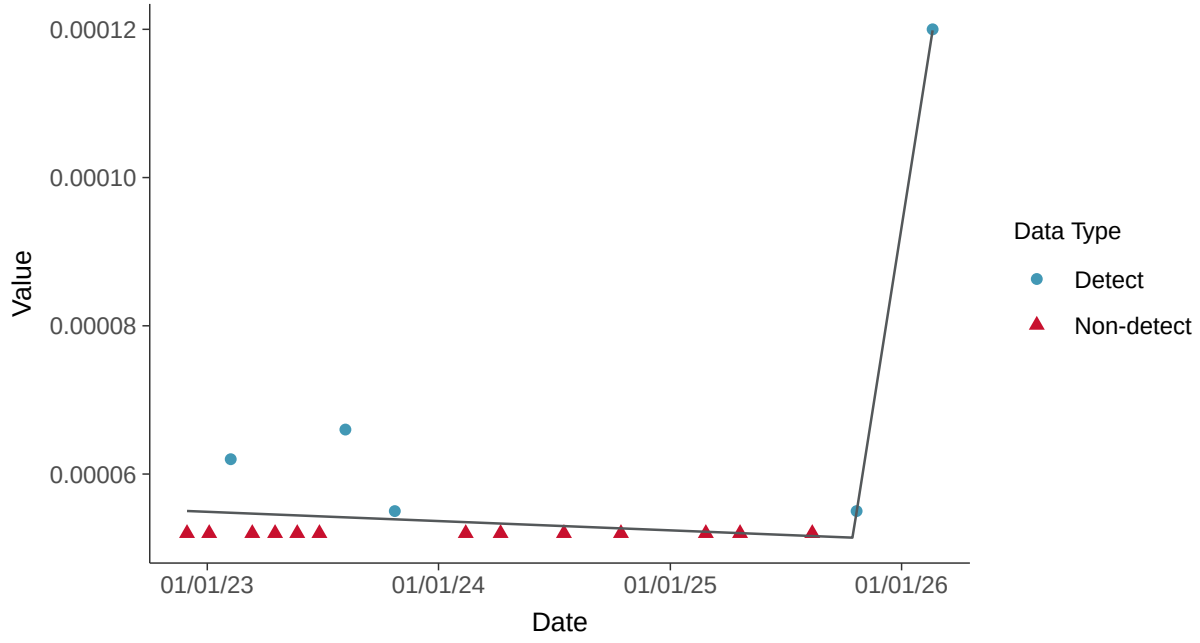
Lognormal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-07 (mg/L)



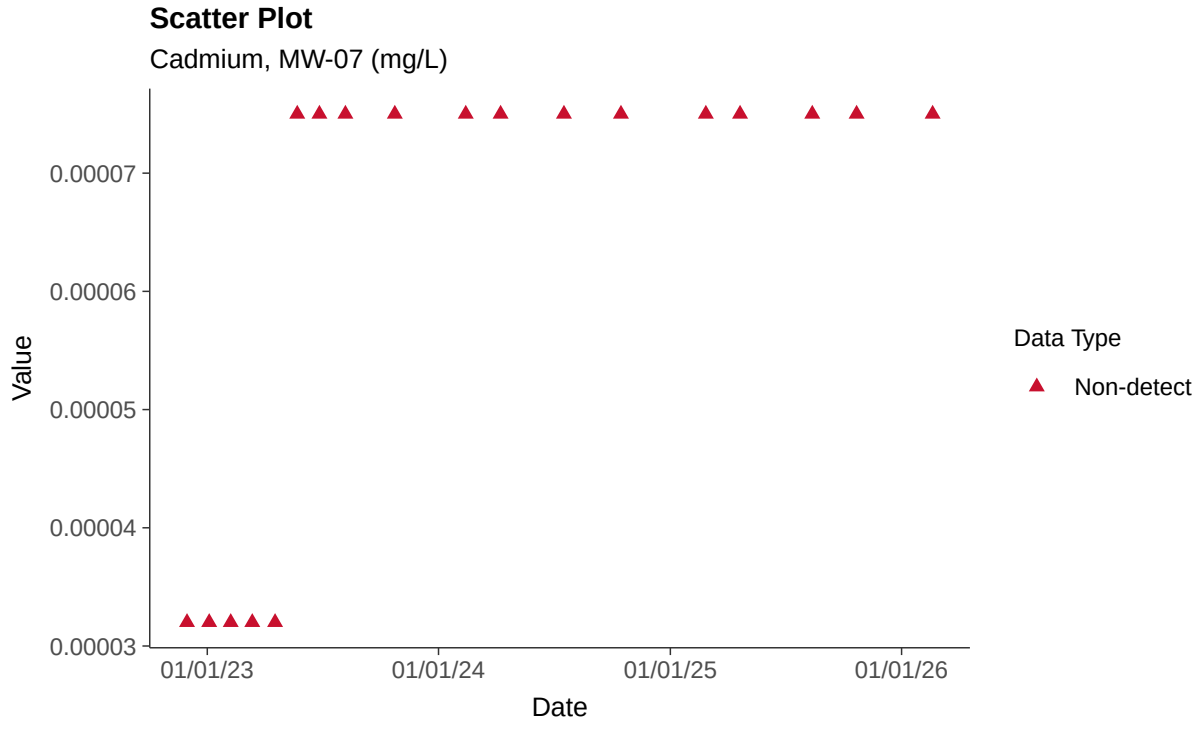
Trend Regression: Piecewise Linear-Linear

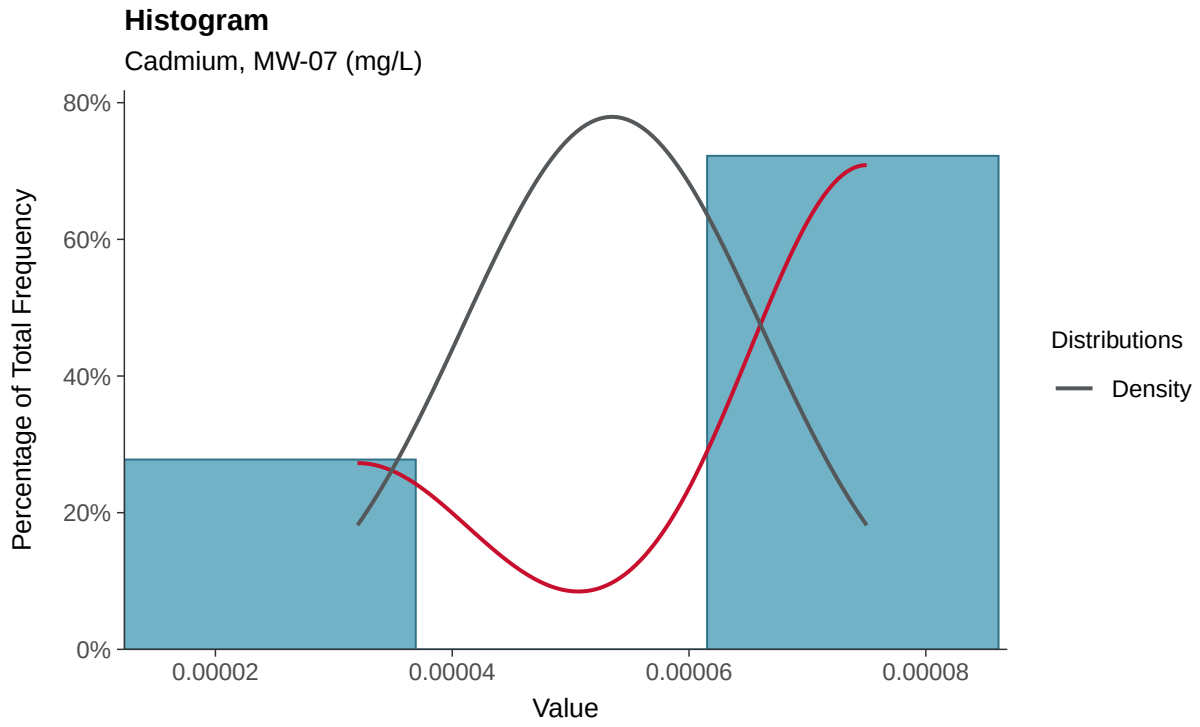
Beryllium, MW-07 (mg/L)



Appendix IV: Cadmium, MW-07

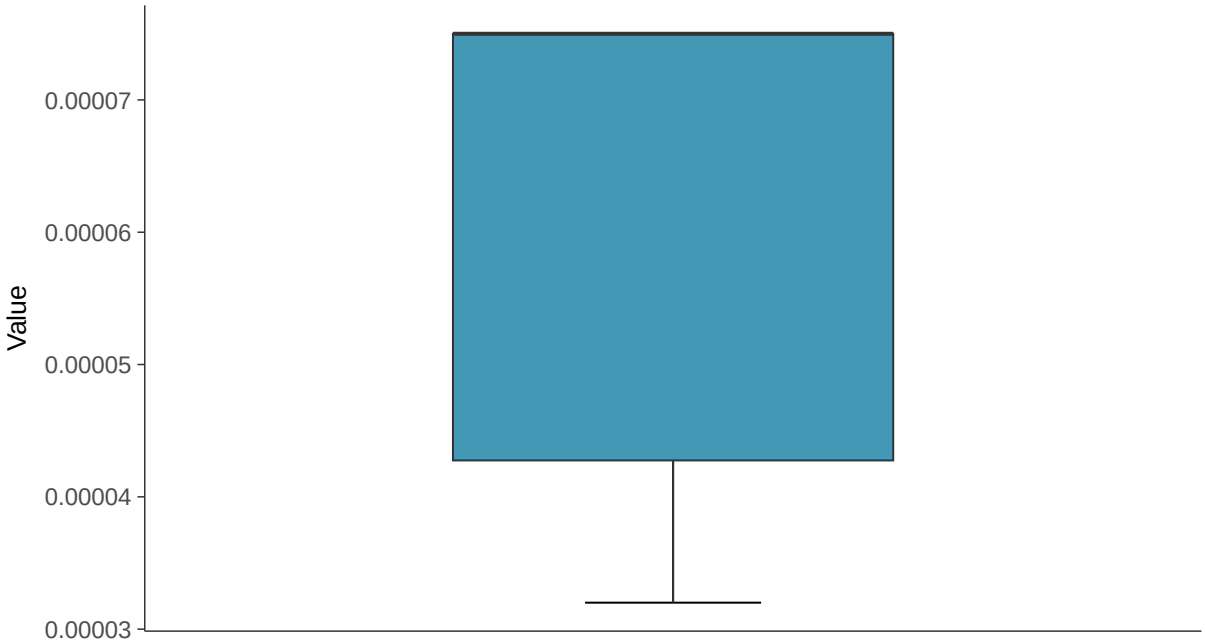
ID: 17_1_4_106





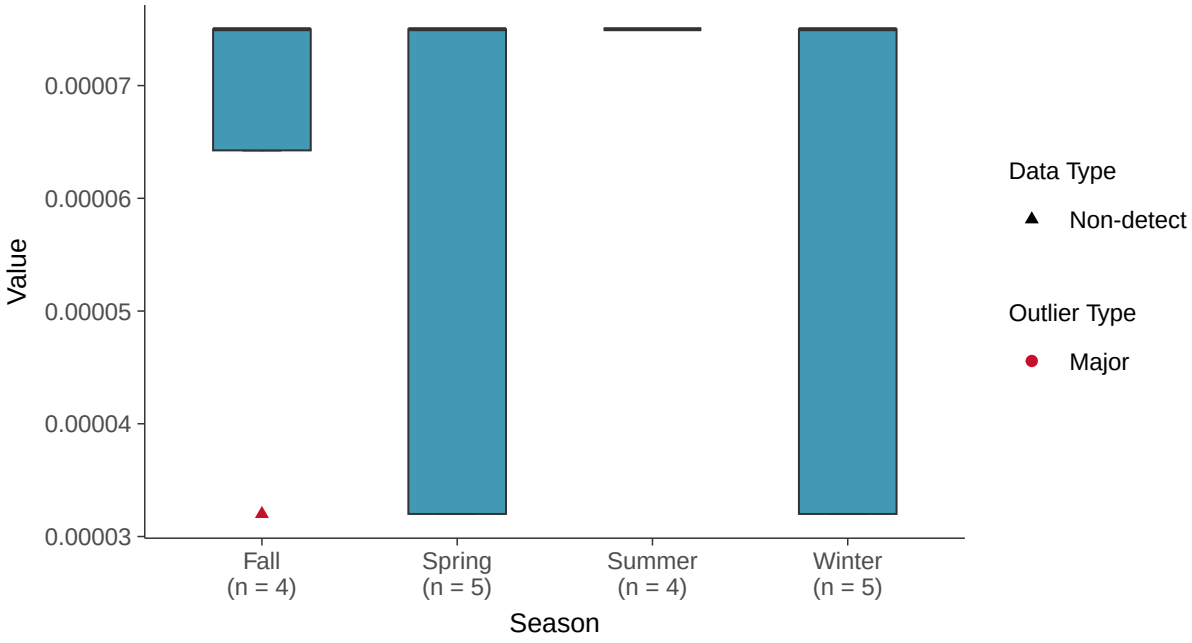
Boxplot

Cadmium, MW-07 (mg/L)



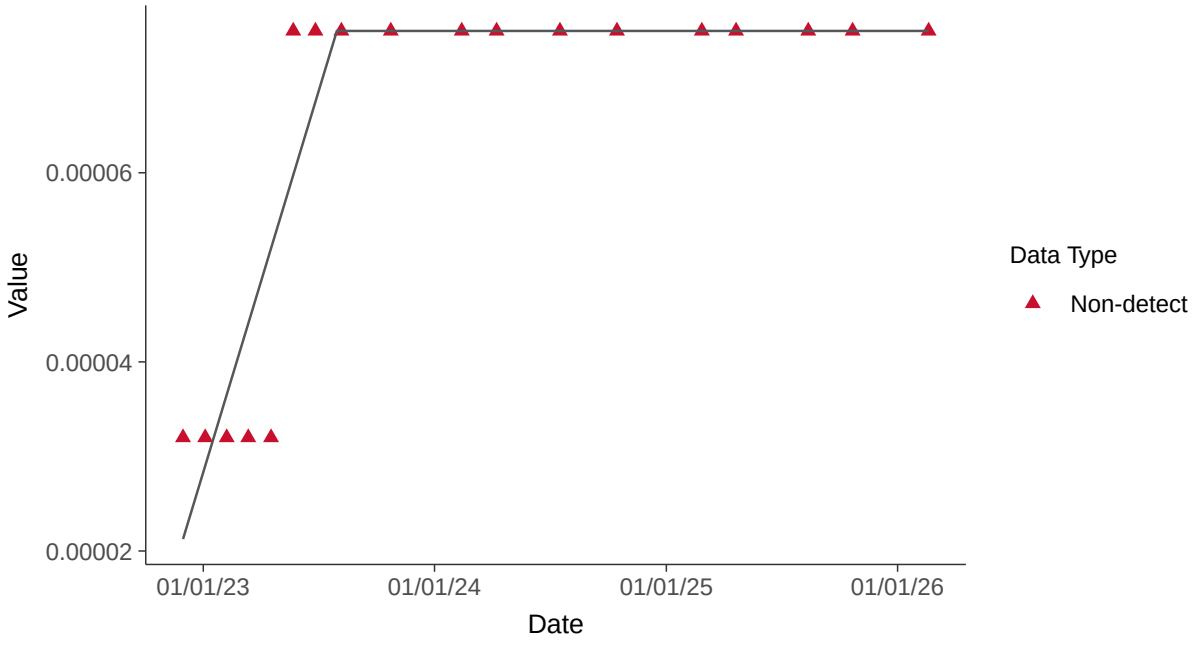
Boxplot by Season

Cadmium, MW-07 (mg/L)



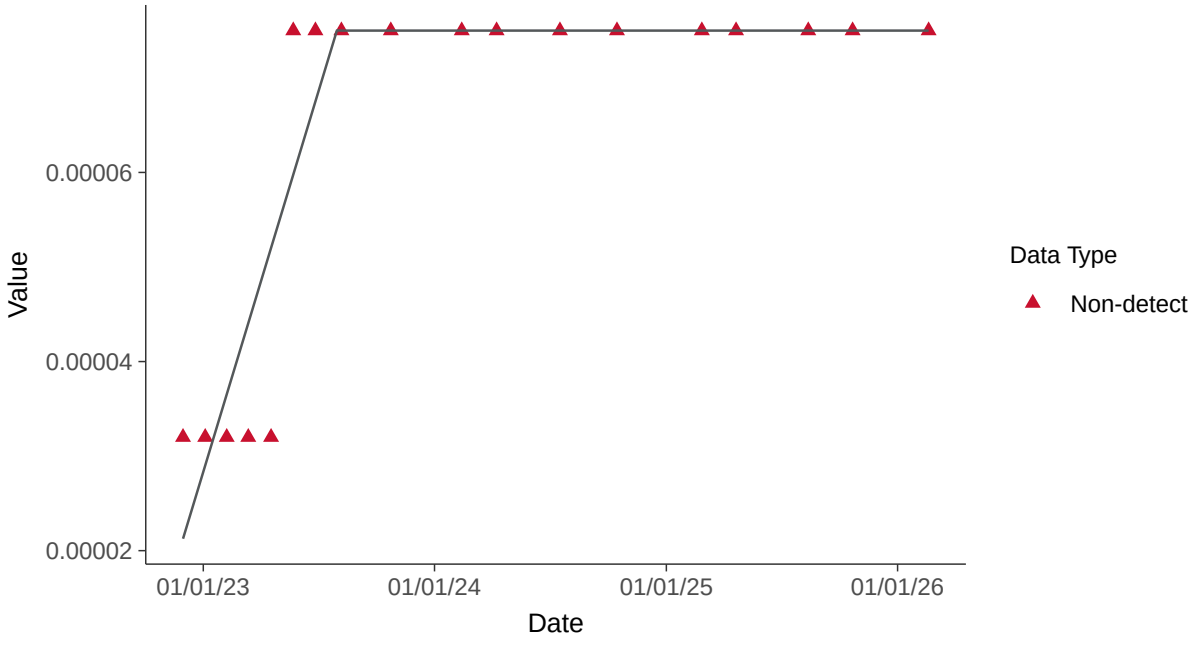
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-07 (mg/L)



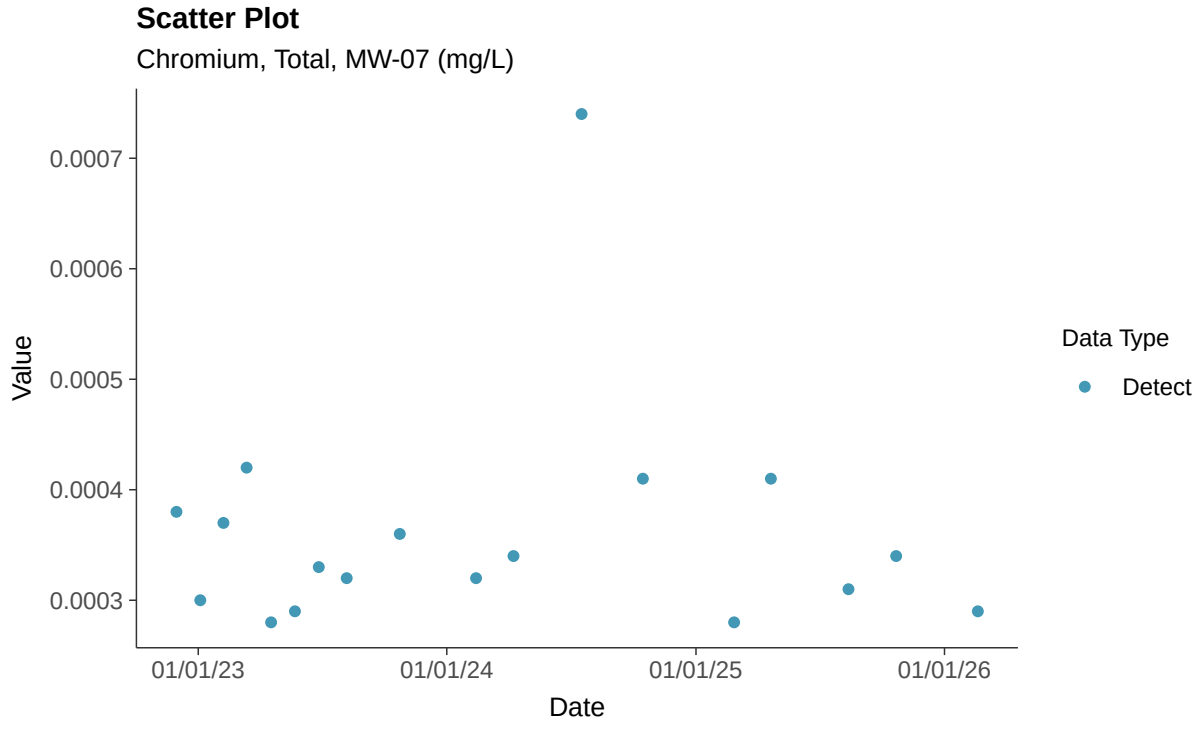
Trend Regression: Piecewise Linear-Linear-Linear

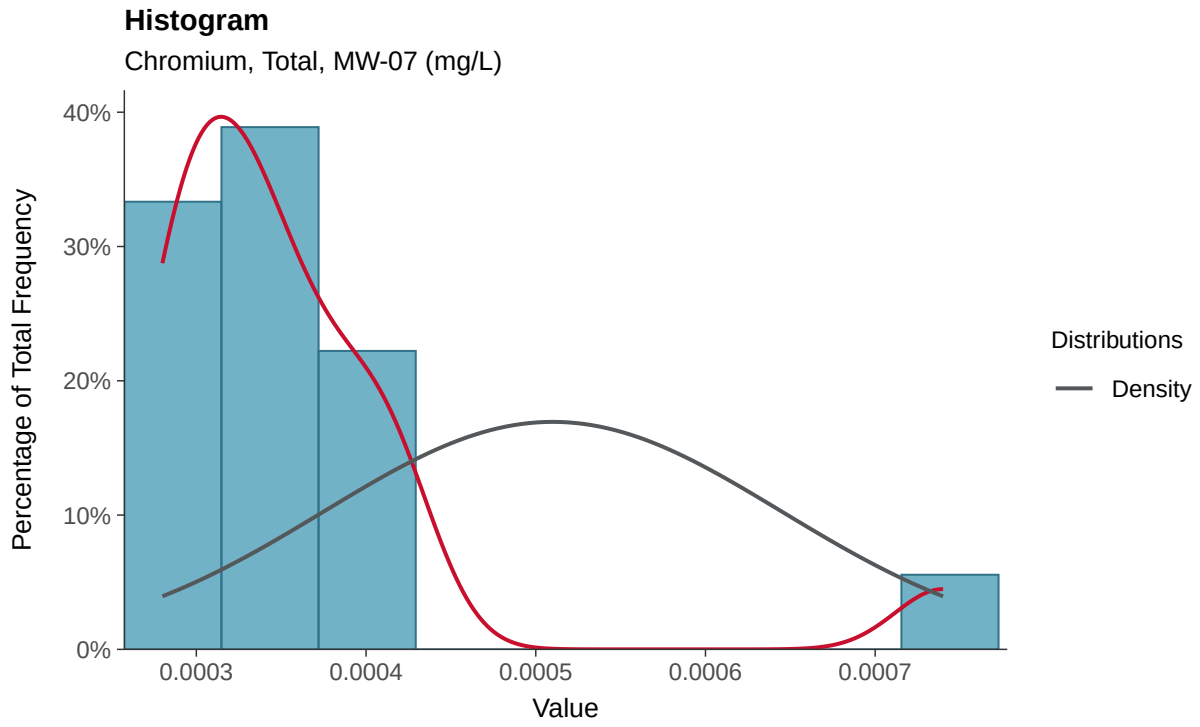
Cadmium, MW-07 (mg/L)



Appendix IV: Chromium, Total, MW-07

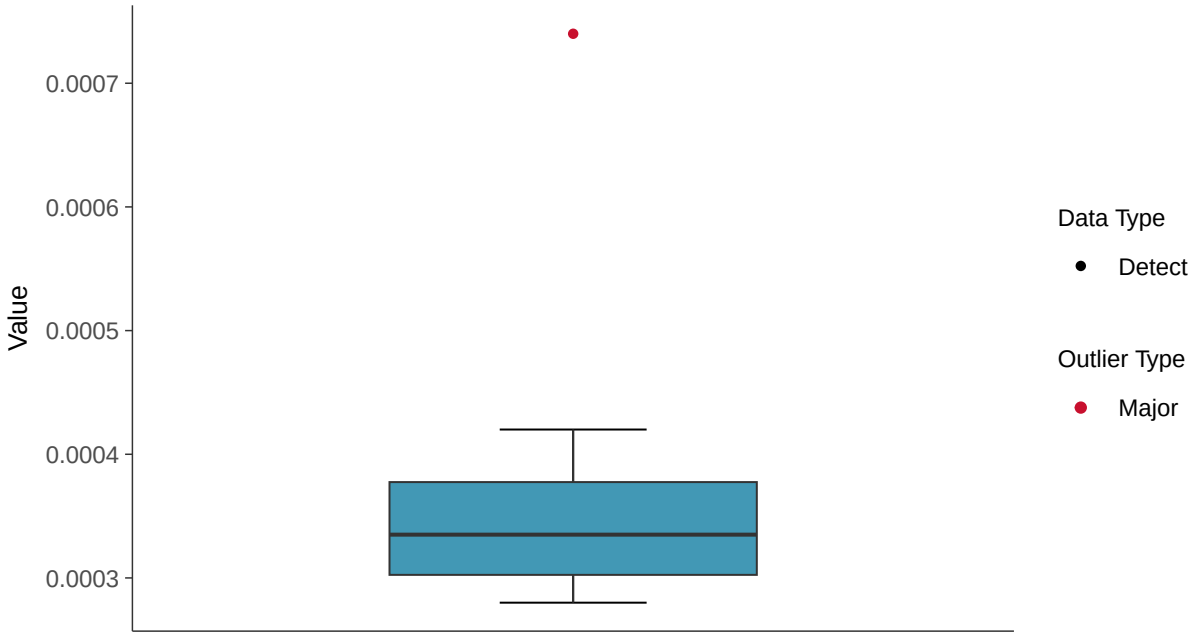
ID: 17_1_4_109





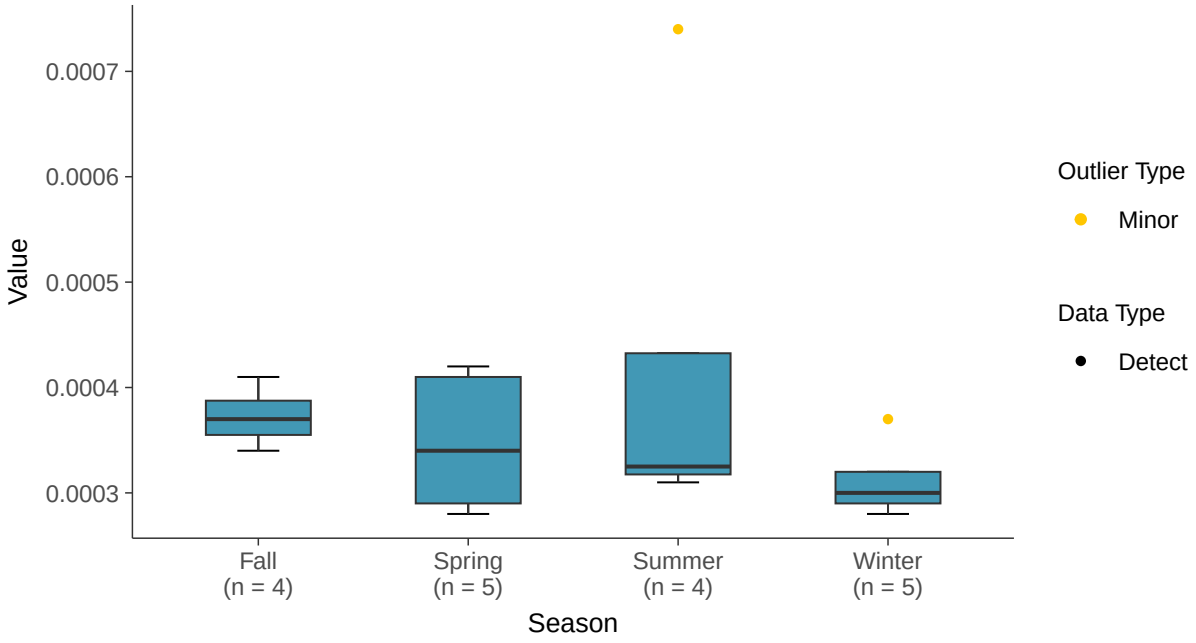
Boxplot

Chromium, Total, MW-07 (mg/L)



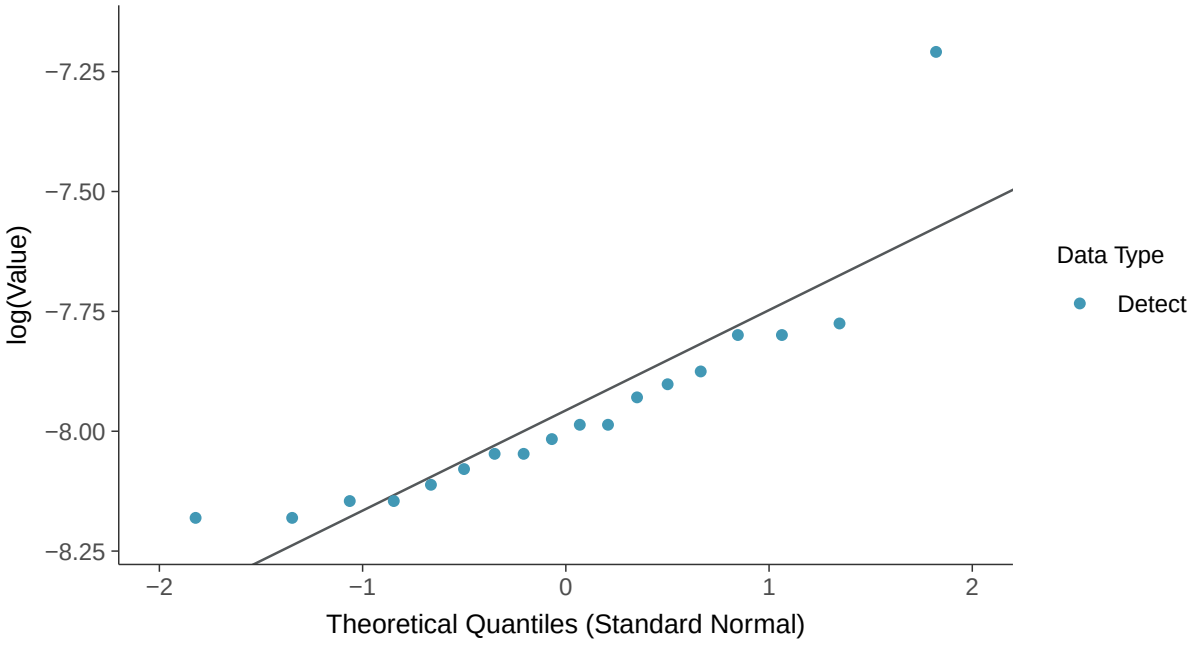
Boxplot by Season

Chromium, Total, MW-07 (mg/L)



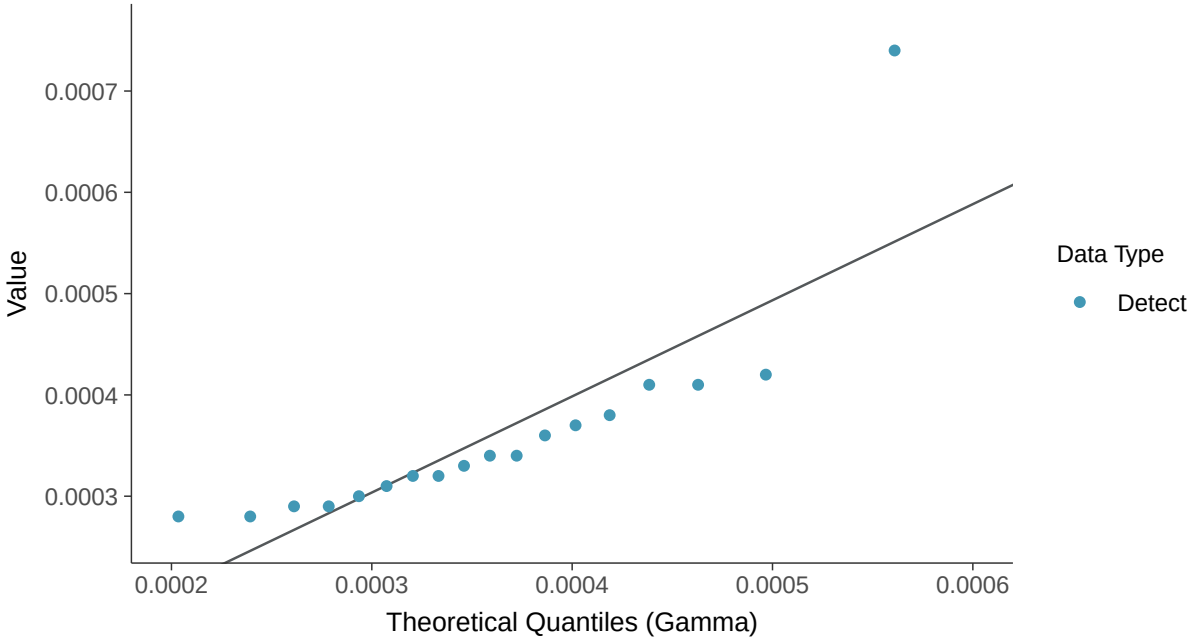
Lognormal Q-Q plot

Chromium, Total, MW-07 (mg/L)



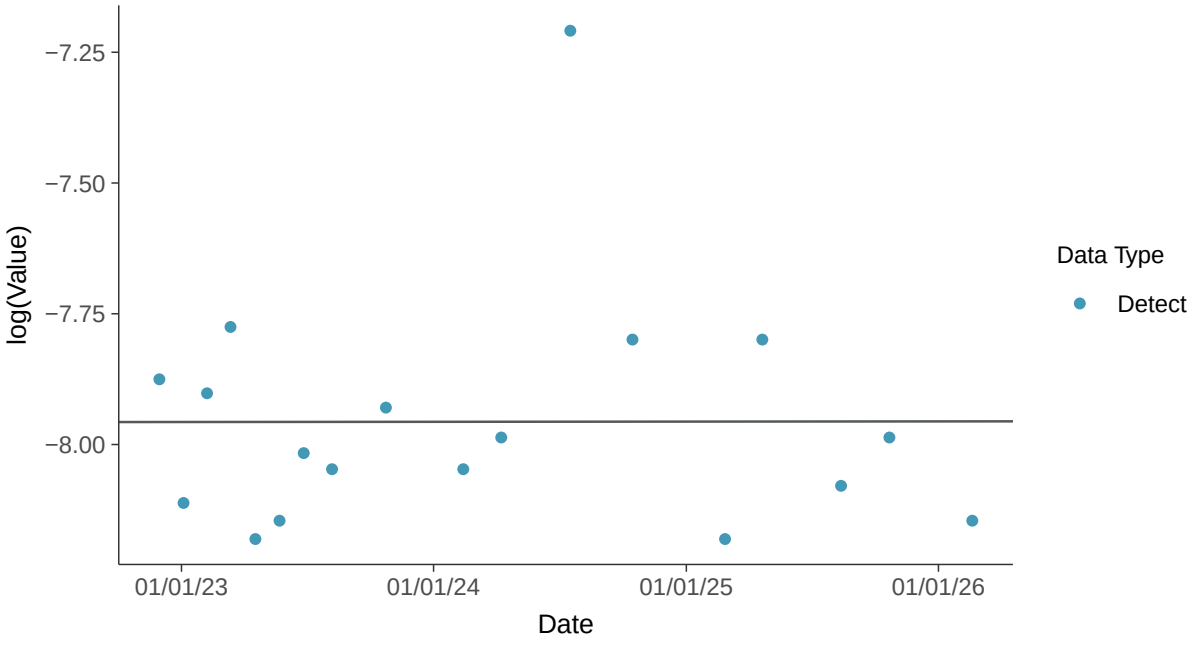
Gamma Q-Q plot

Chromium, Total, MW-07 (mg/L)



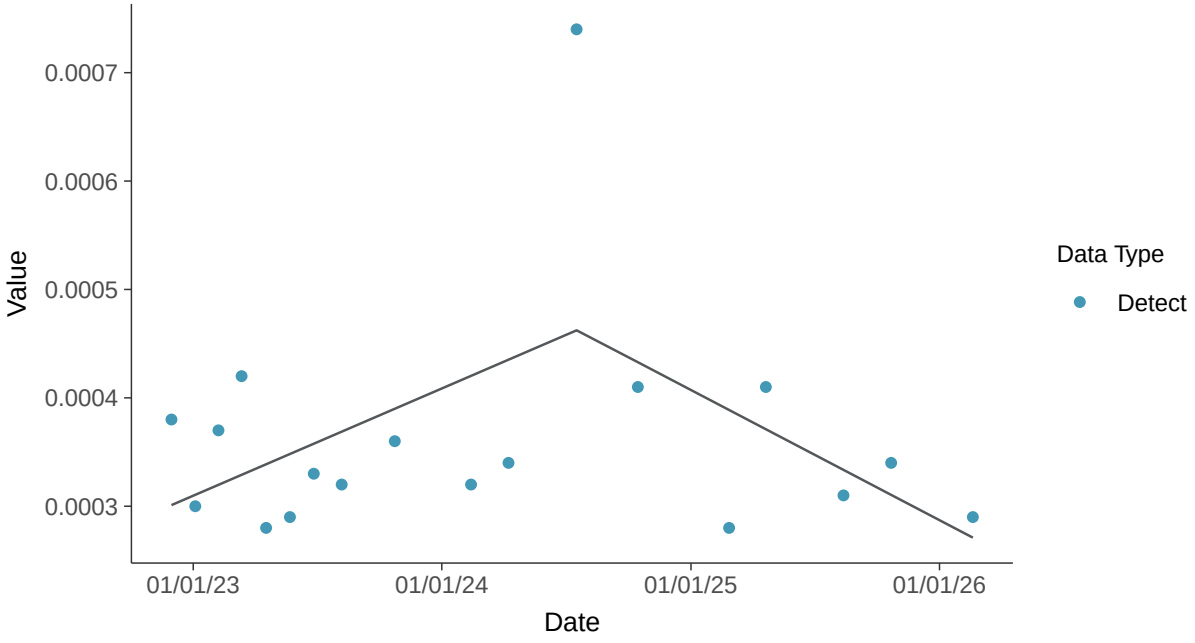
Trend Regression: Lognormal MLE

Chromium, Total, MW-07 (mg/L)



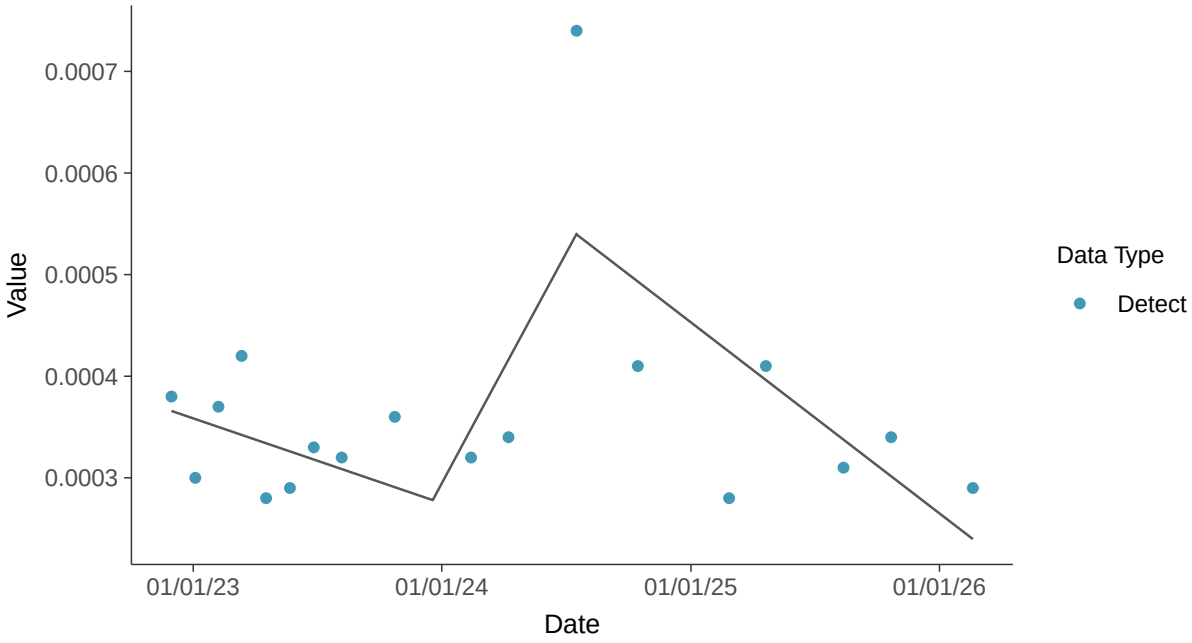
Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-07 (mg/L)



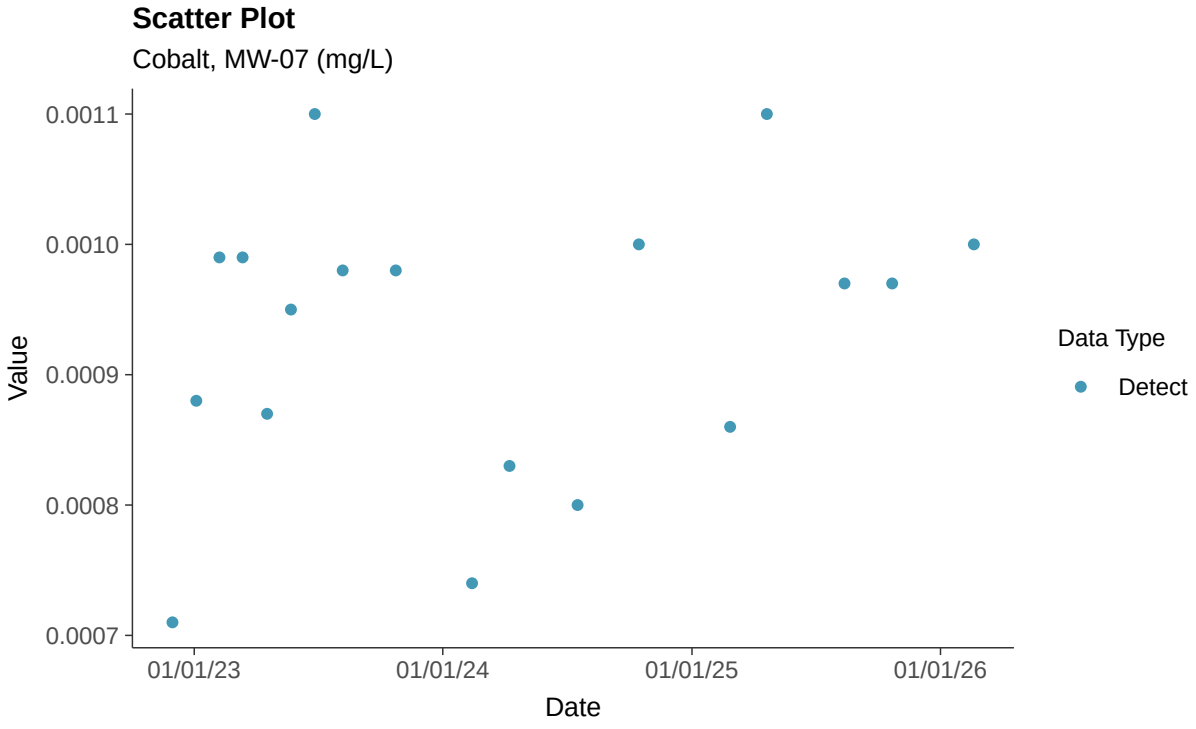
Trend Regression: Piecewise Linear-Linear-Linear

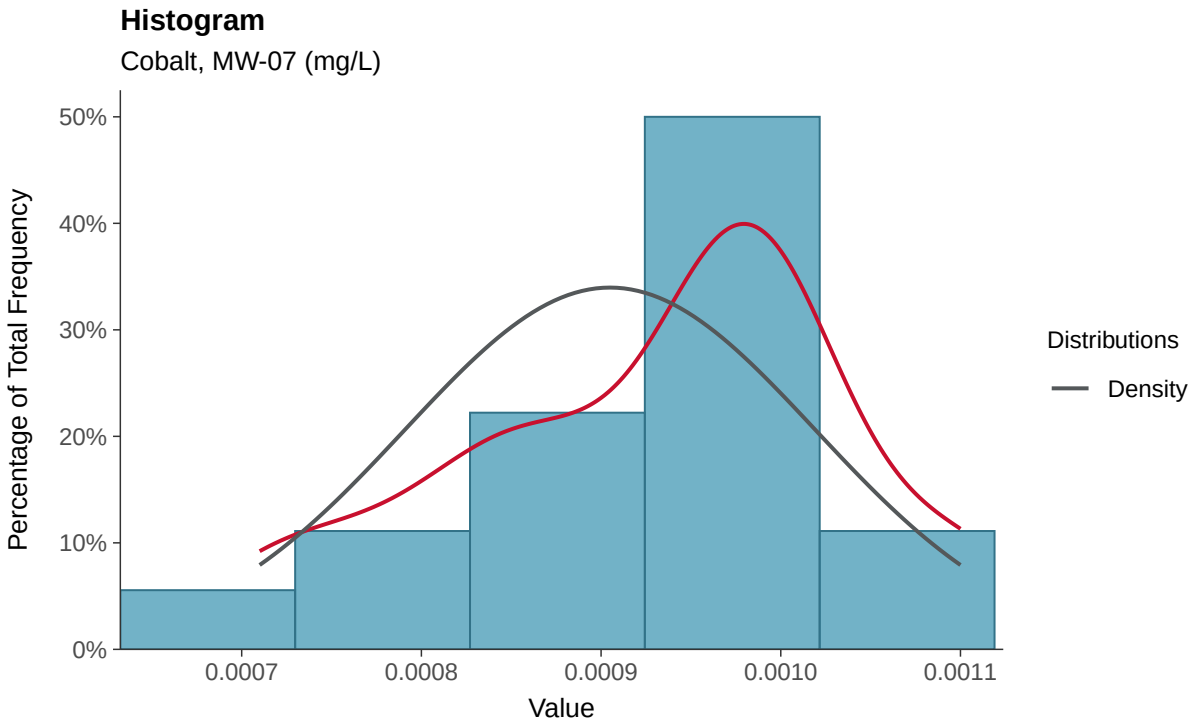
Chromium, Total, MW-07 (mg/L)



Appendix IV: Cobalt, MW-07

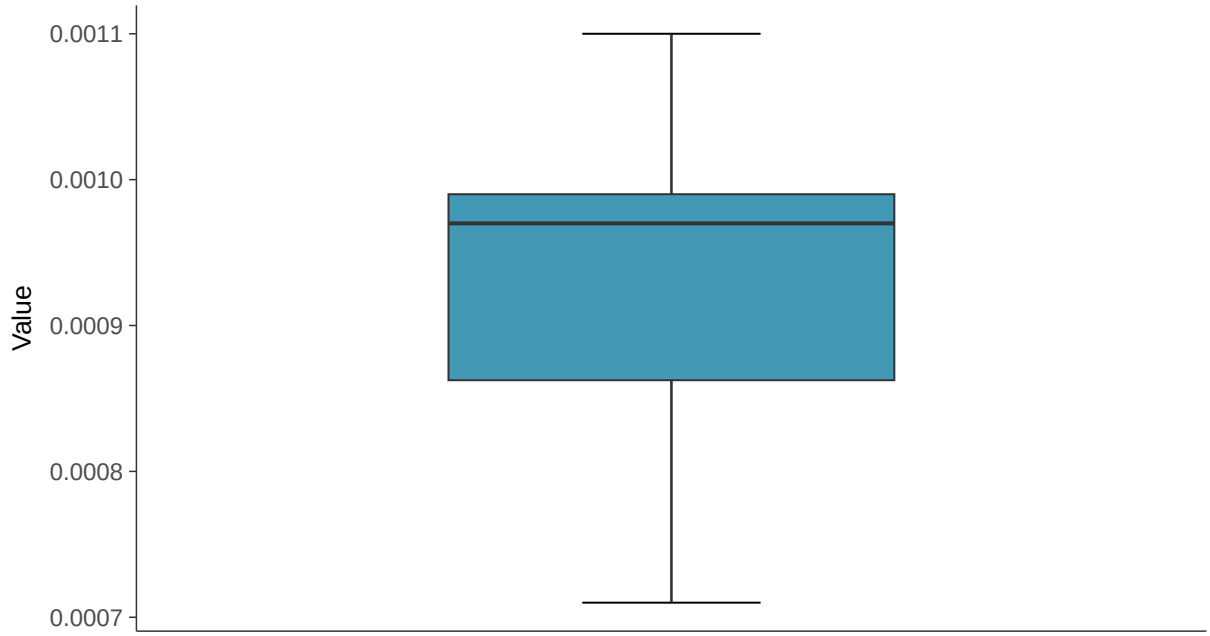
ID: 17_1_4_110





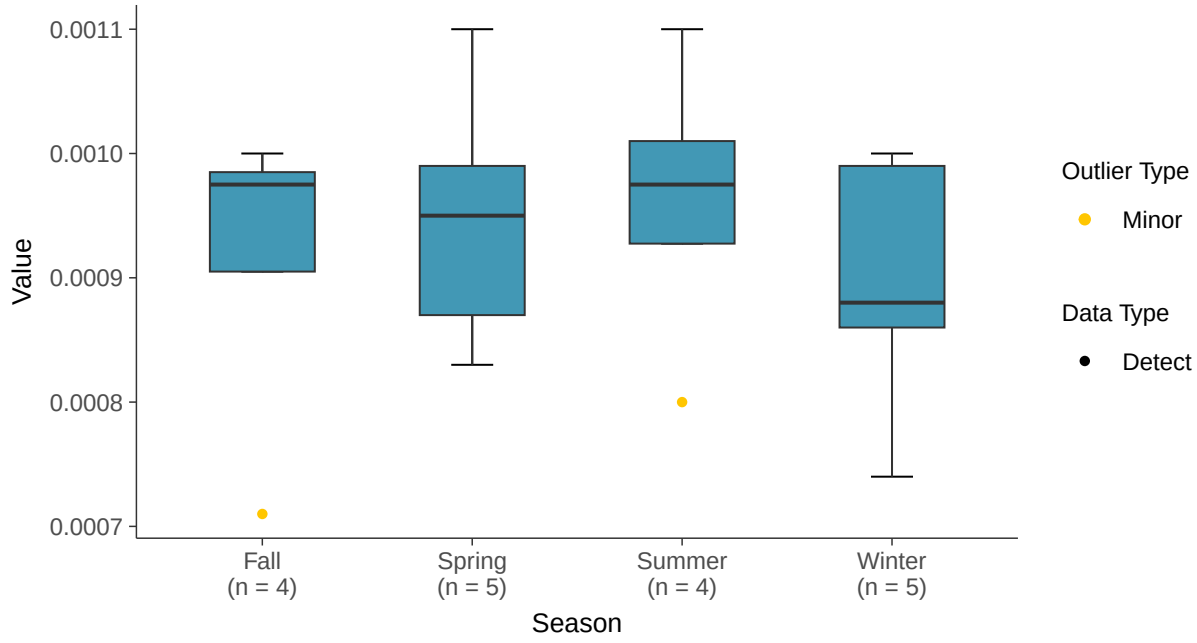
Boxplot

Cobalt, MW-07 (mg/L)



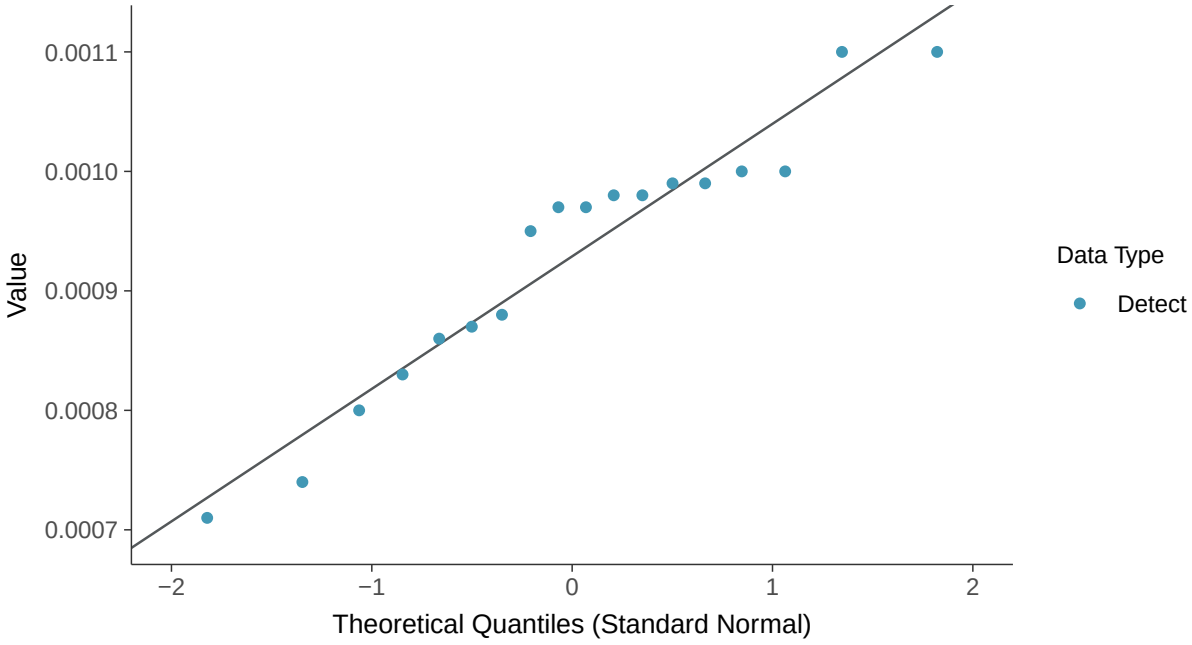
Boxplot by Season

Cobalt, MW-07 (mg/L)



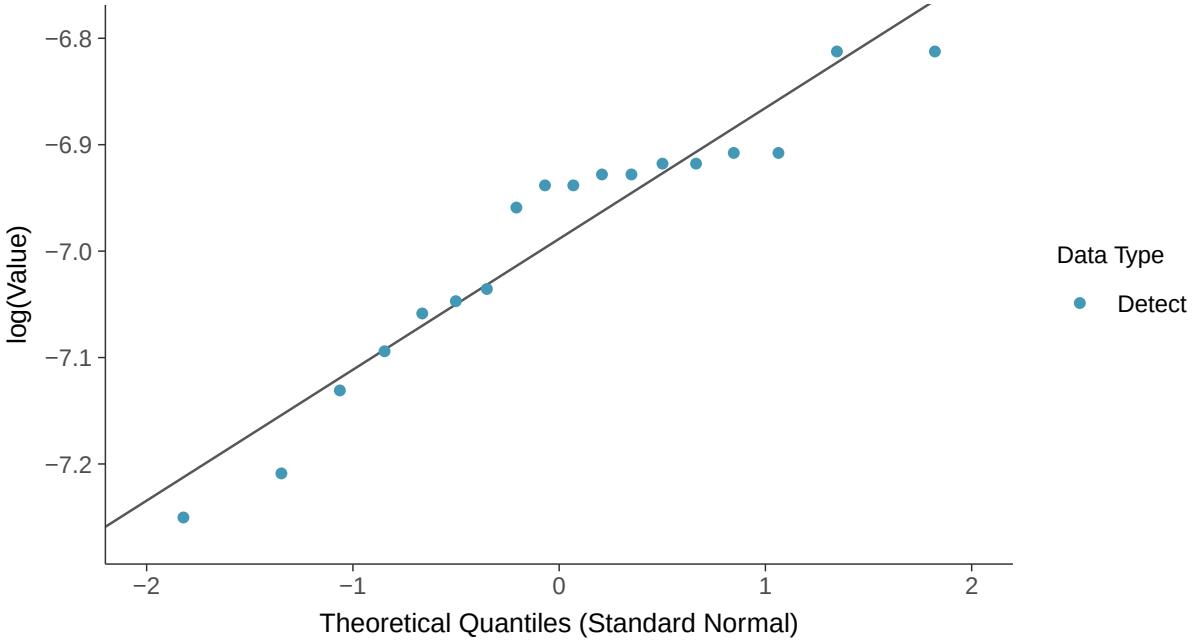
Normal Q-Q plot

Cobalt, MW-07 (mg/L)



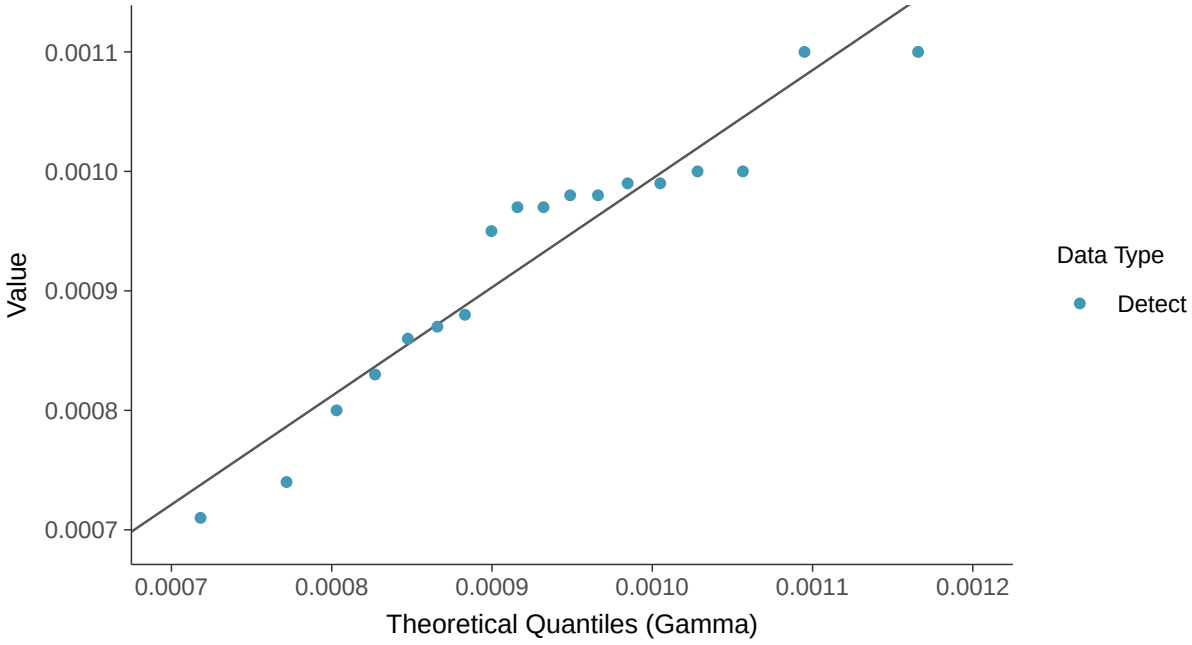
Lognormal Q-Q plot

Cobalt, MW-07 (mg/L)



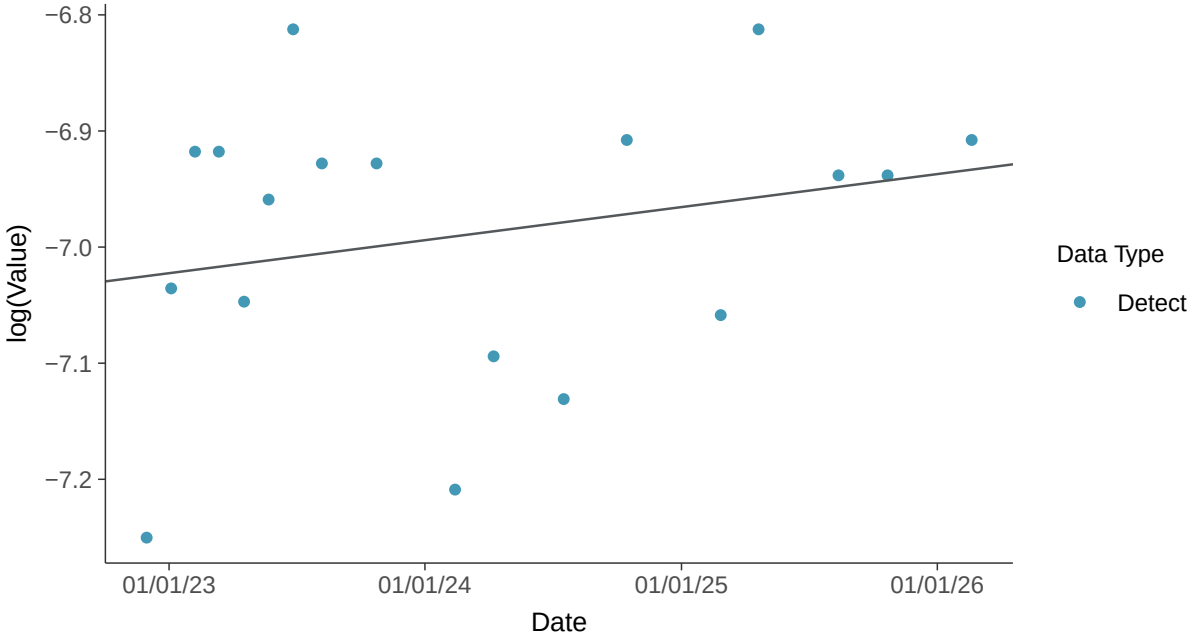
Gamma Q-Q plot

Cobalt, MW-07 (mg/L)



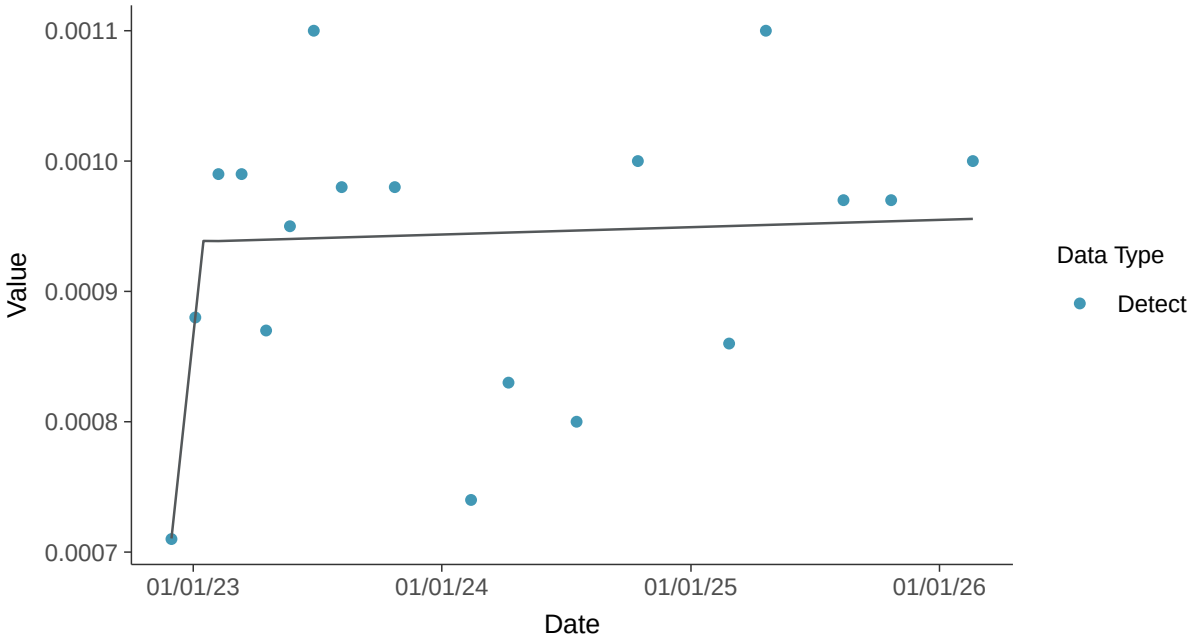
Trend Regression: Lognormal MLE

Cobalt, MW-07 (mg/L)



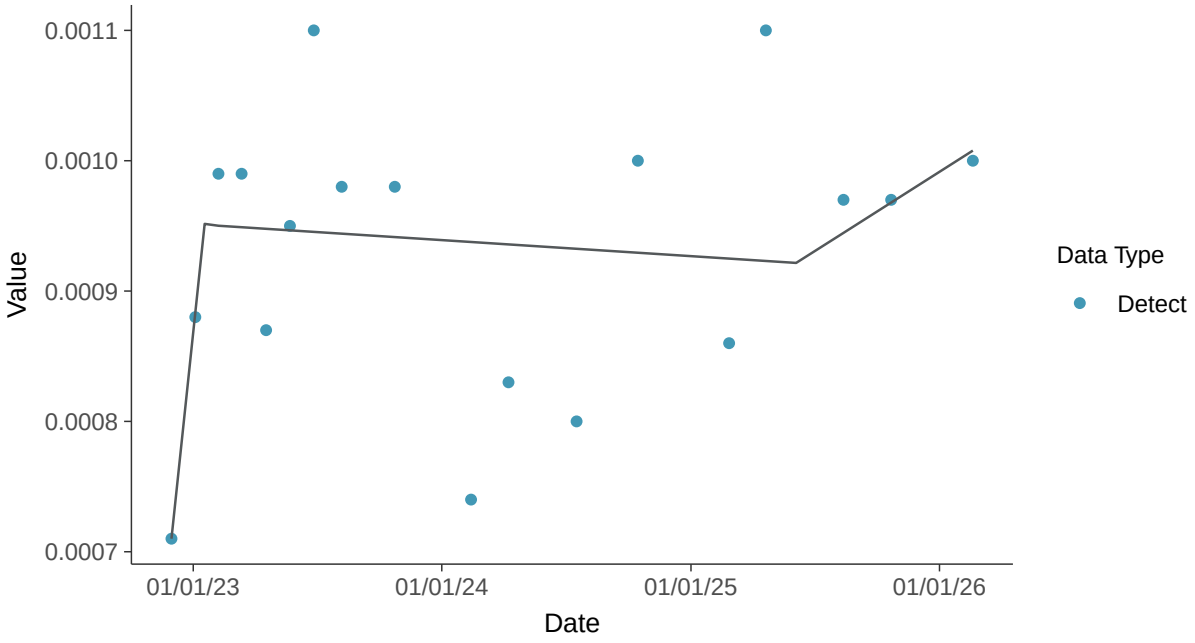
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-07 (mg/L)



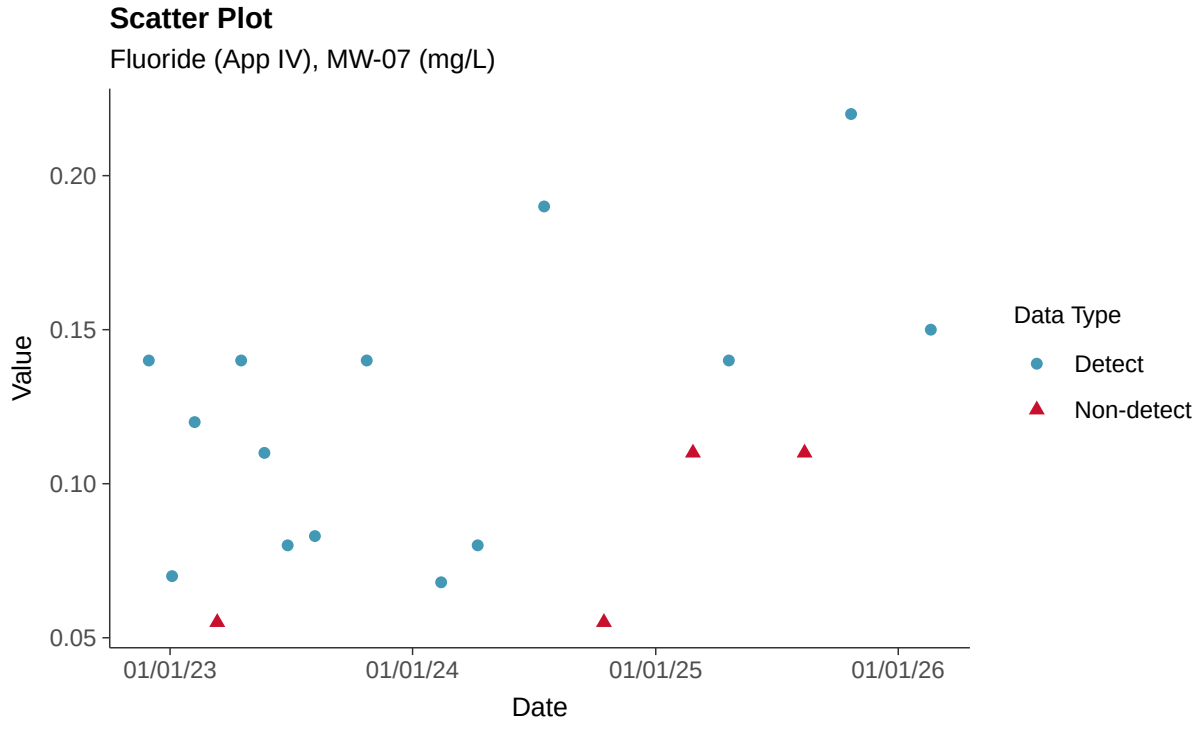
Trend Regression: Piecewise Linear-Linear-Linear

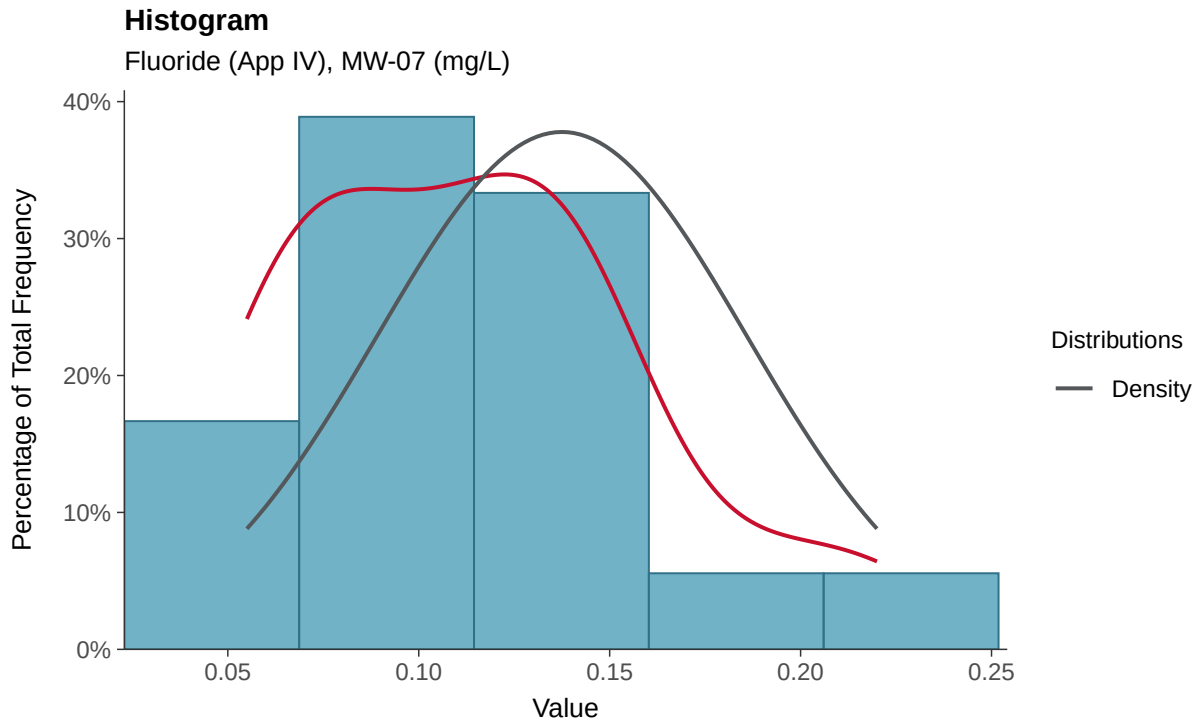
Cobalt, MW-07 (mg/L)



Appendix IV: Fluoride (App IV), MW-07

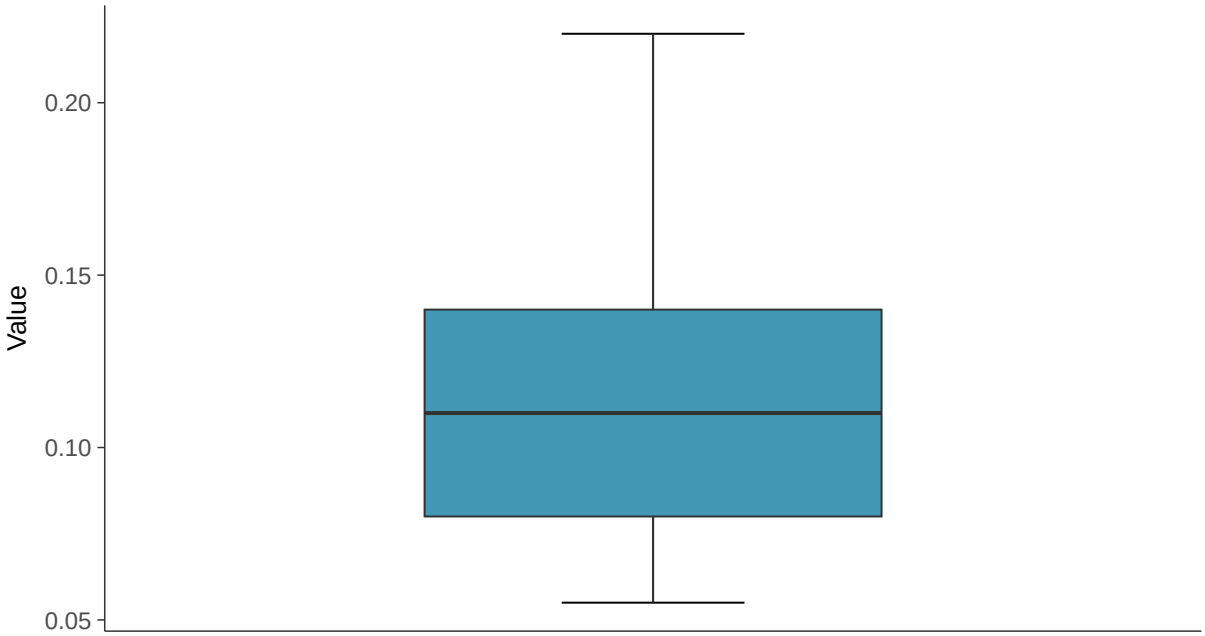
ID: 17_1_4_113





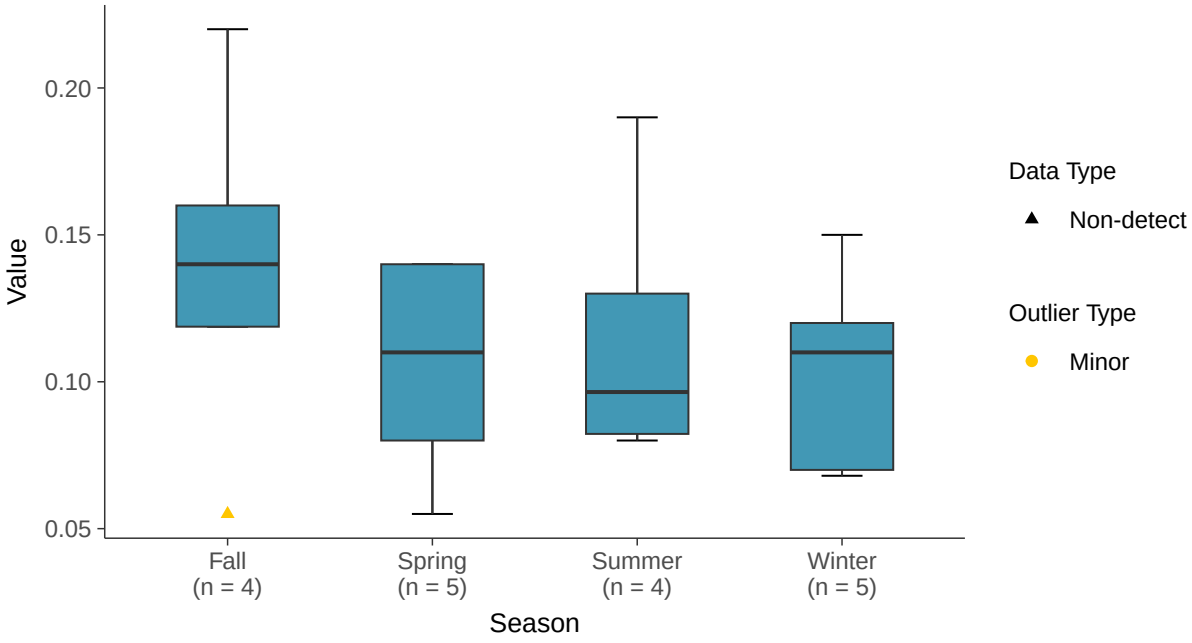
Boxplot

Fluoride (App IV), MW-07 (mg/L)



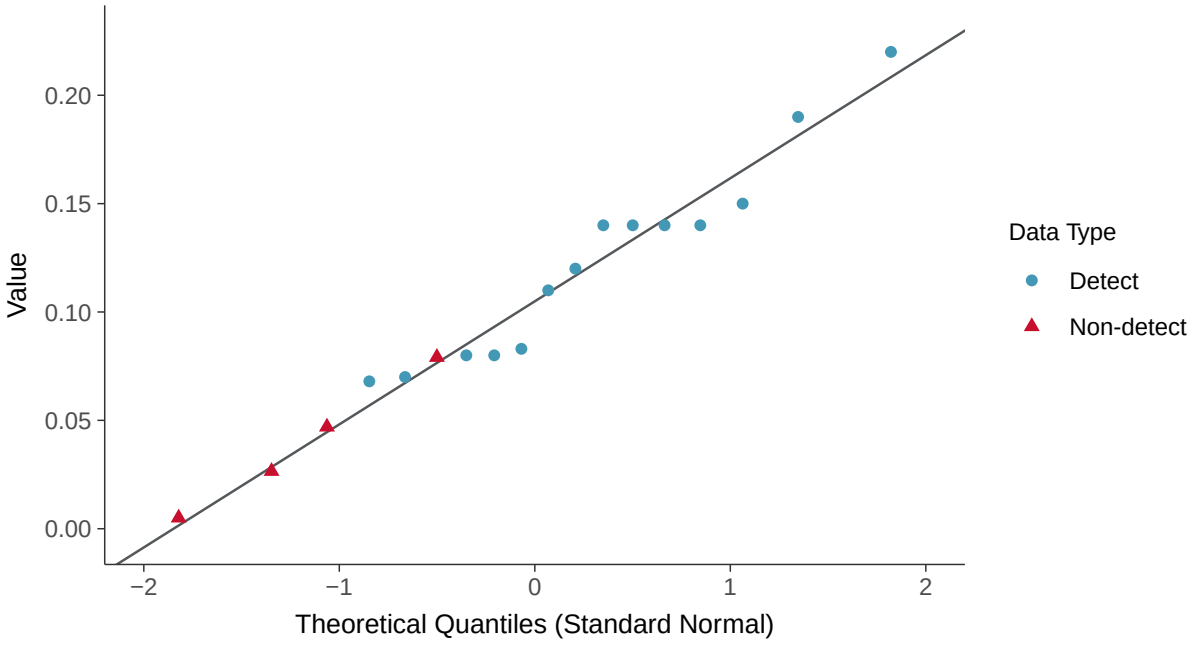
Boxplot by Season

Fluoride (App IV), MW-07 (mg/L)



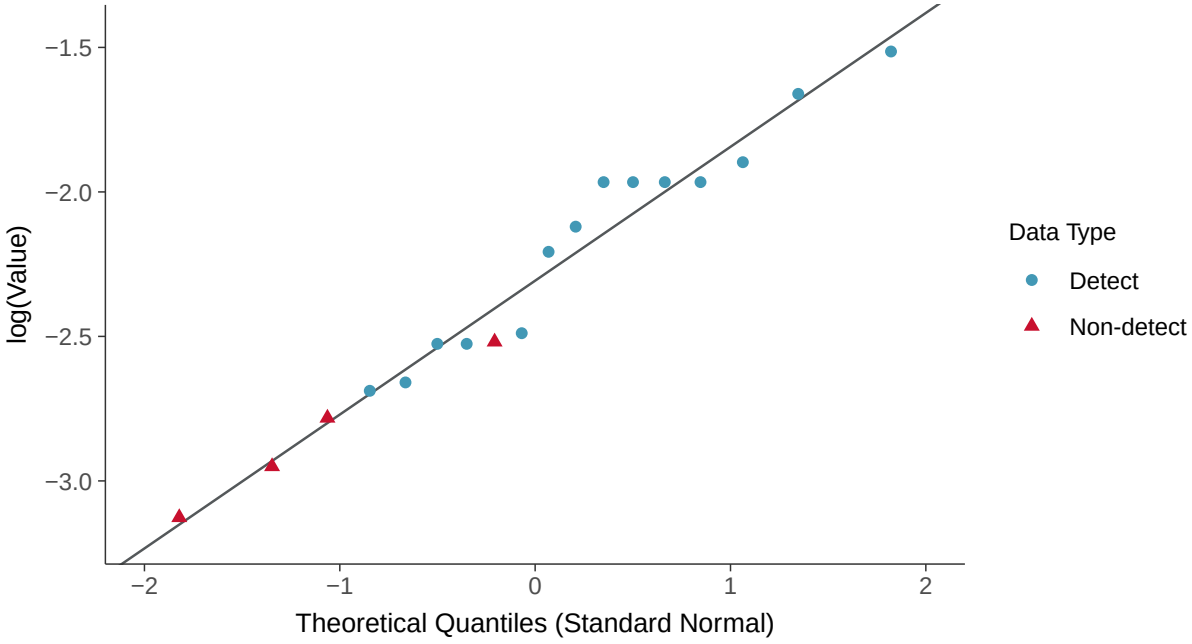
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-07 (mg/L)



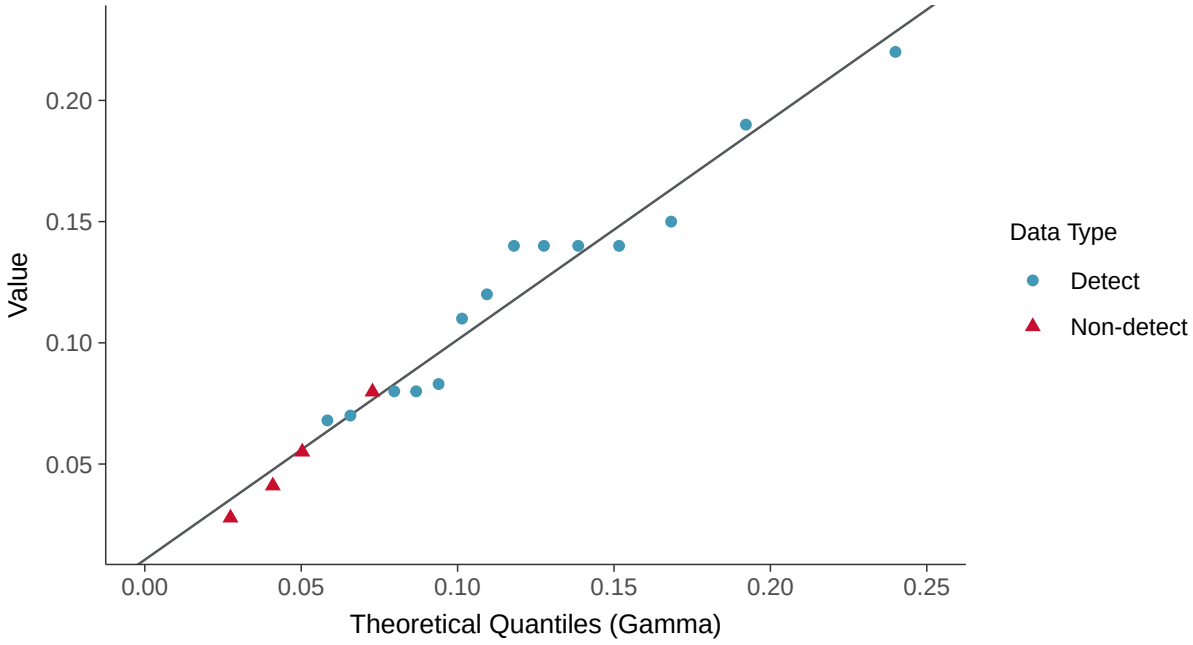
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-07 (mg/L)



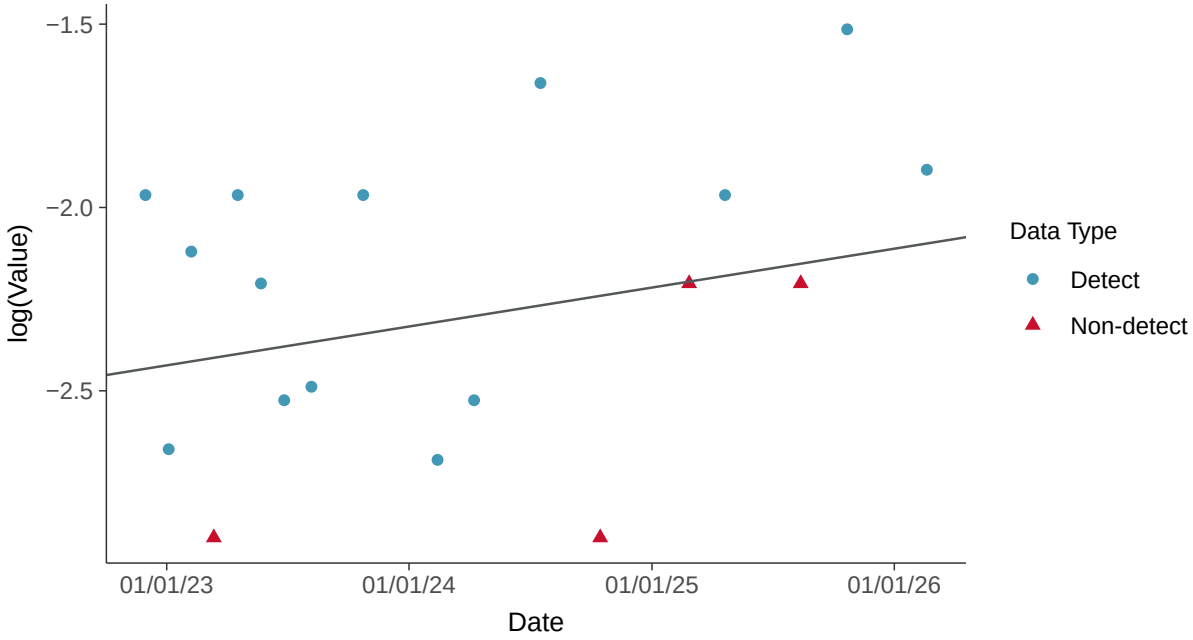
Gamma Q-Q plot using ROS Imputed Estimates

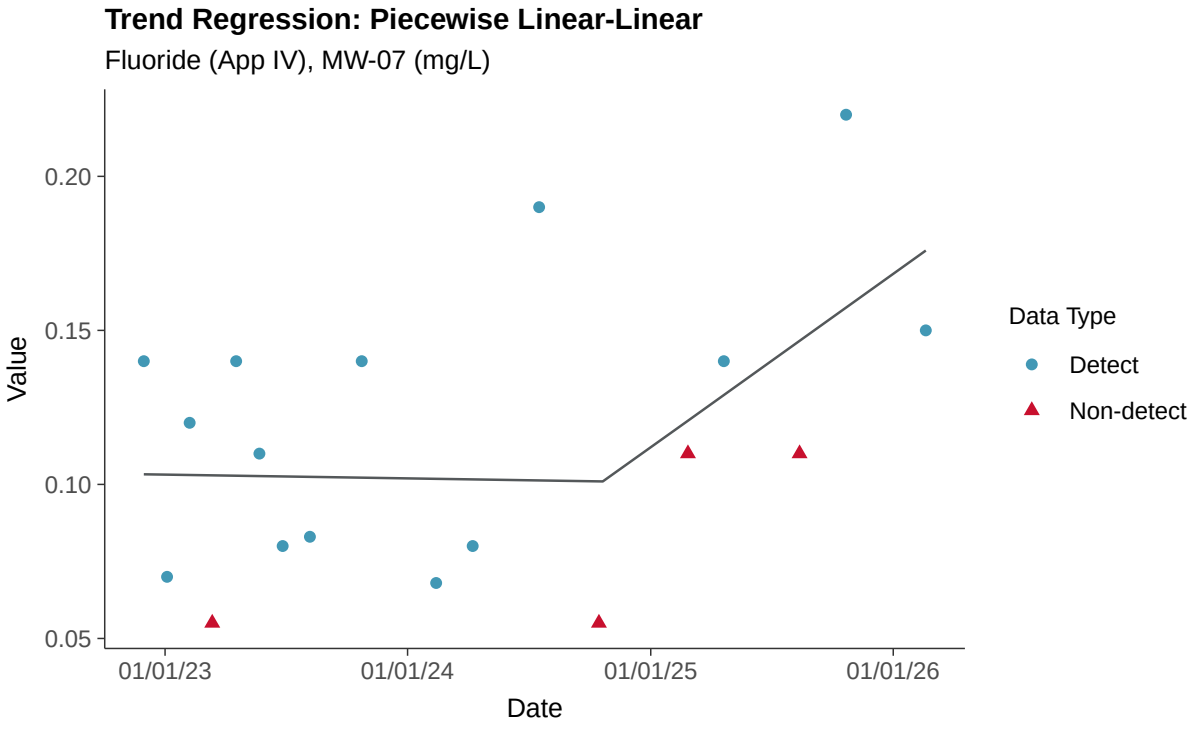
Fluoride (App IV), MW-07 (mg/L)



Trend Regression: Lognormal MLE

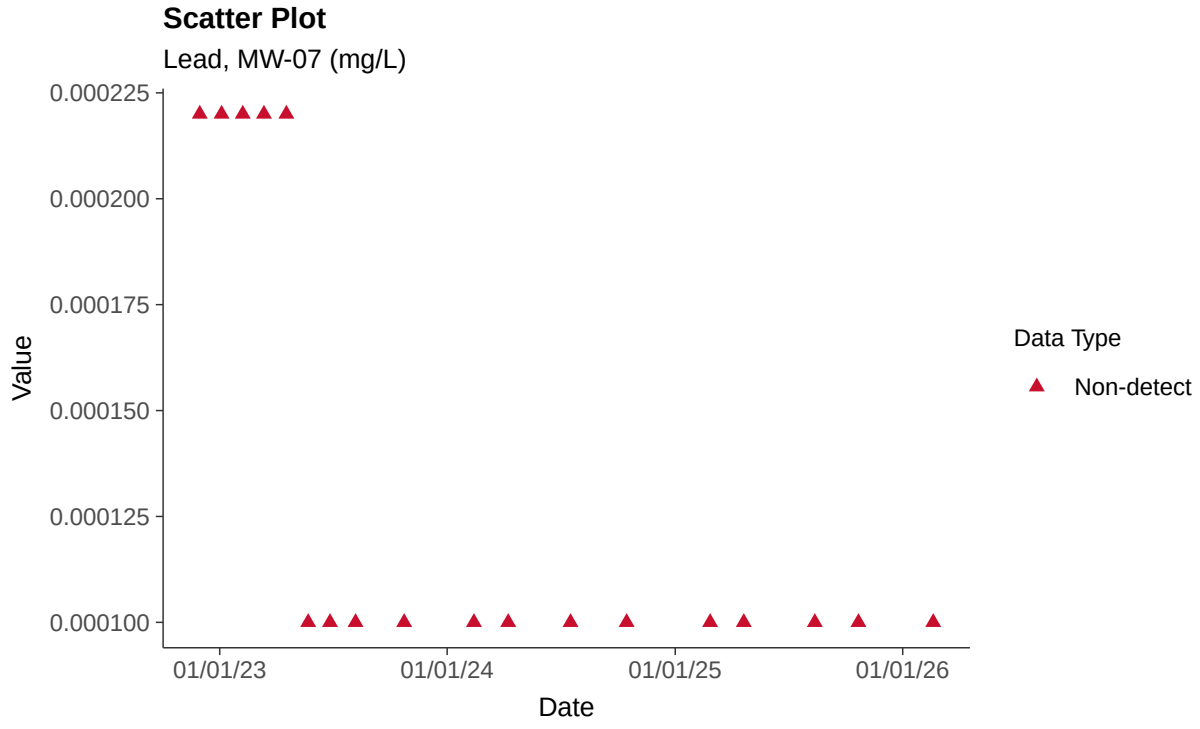
Fluoride (App IV), MW-07 (mg/L)

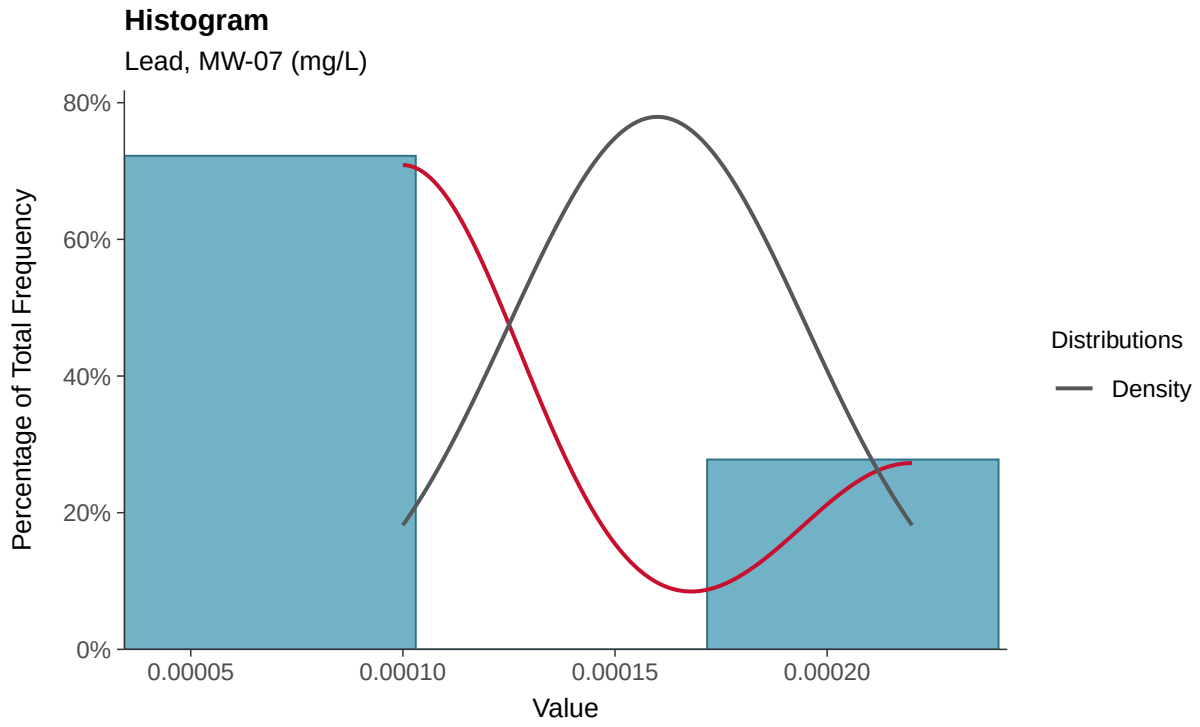


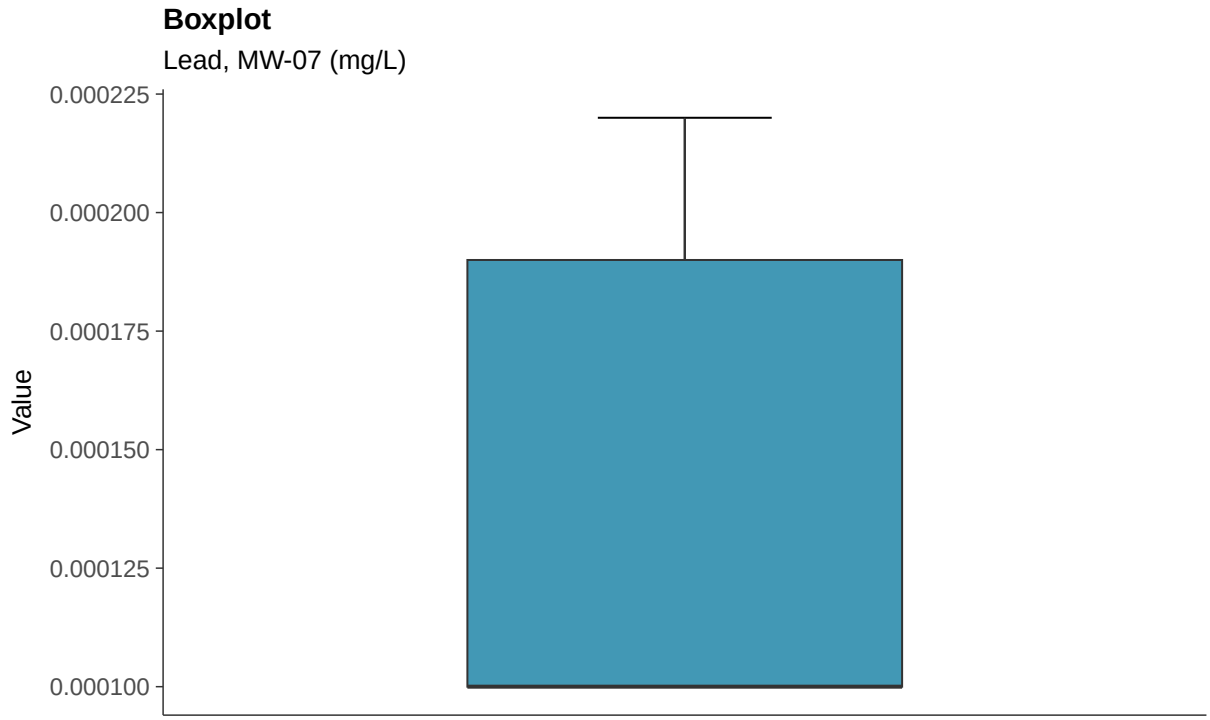

Trend Regression: Piecewise Linear-Linear
Fluoride (App IV), MW-07 (mg/L)
Value
0.20
0.15
0.10
0.05
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

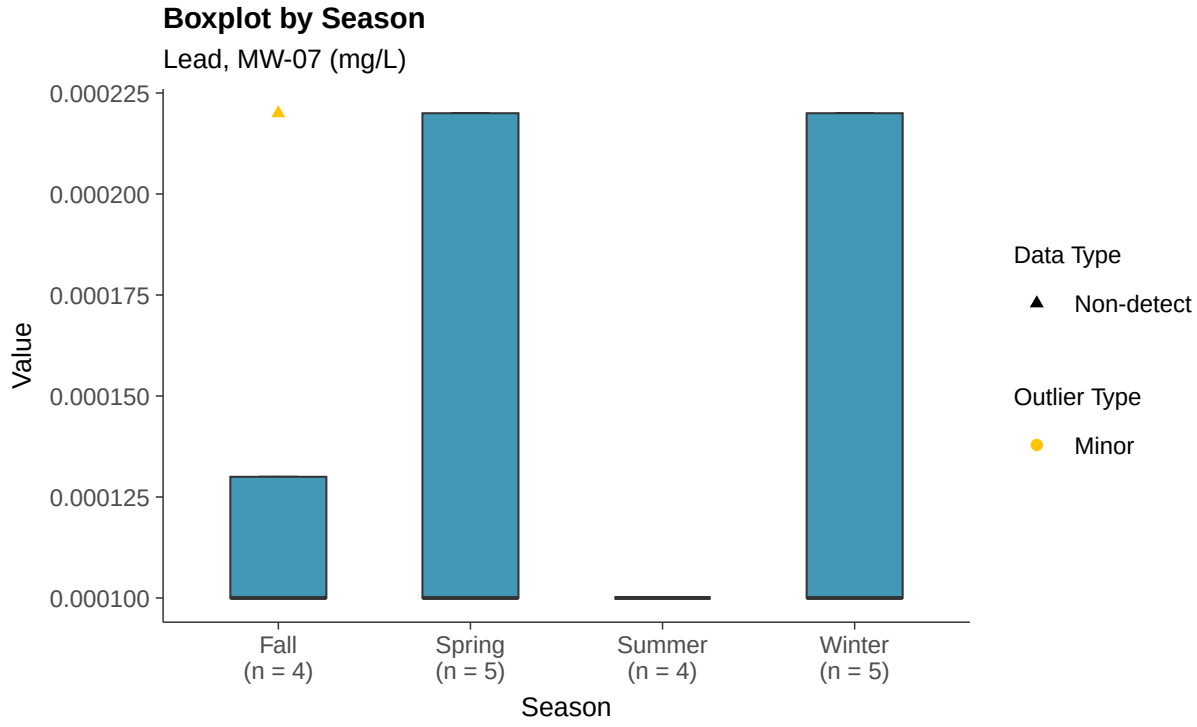
Appendix IV: Lead, MW-07

ID: 17_1_4_115



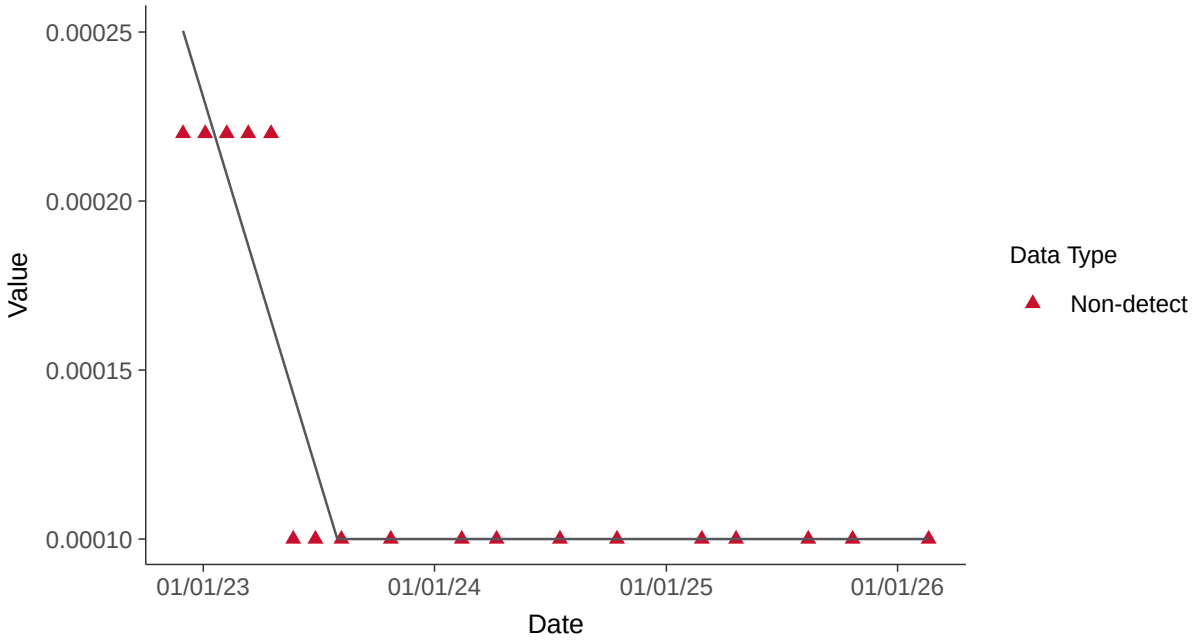



Boxplot
Lead, MW-07 (mg/L)
0.000225
0.000200
0.000175
0.000150
0.000125
0.000100
Value


Boxplot by Season
Lead, MW-07 (mg/L)
0.000225
0.000200
0.000175
0.000150
0.000125
0.000100
Value
Fall
(n = 4)
Spring
(n = 5)
Summer
(n = 4)
Winter
(n = 5)
Season
Data Type
Non-detect
Outlier Type
Minor

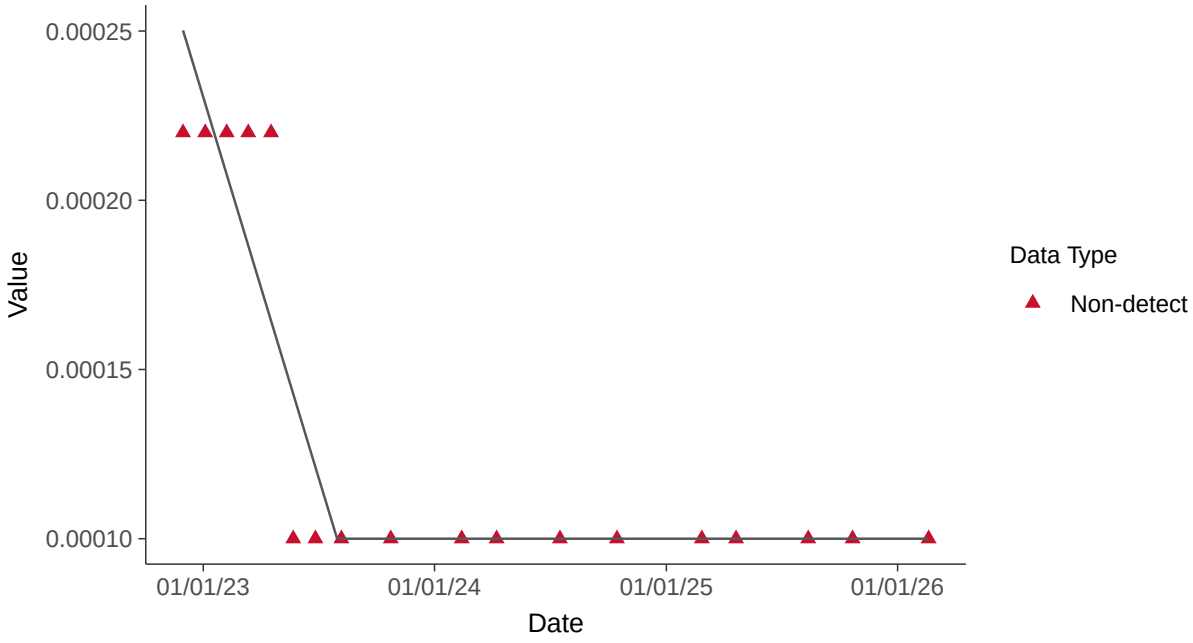
Trend Regression: Piecewise Linear-Linear

Lead, MW-07 (mg/L)



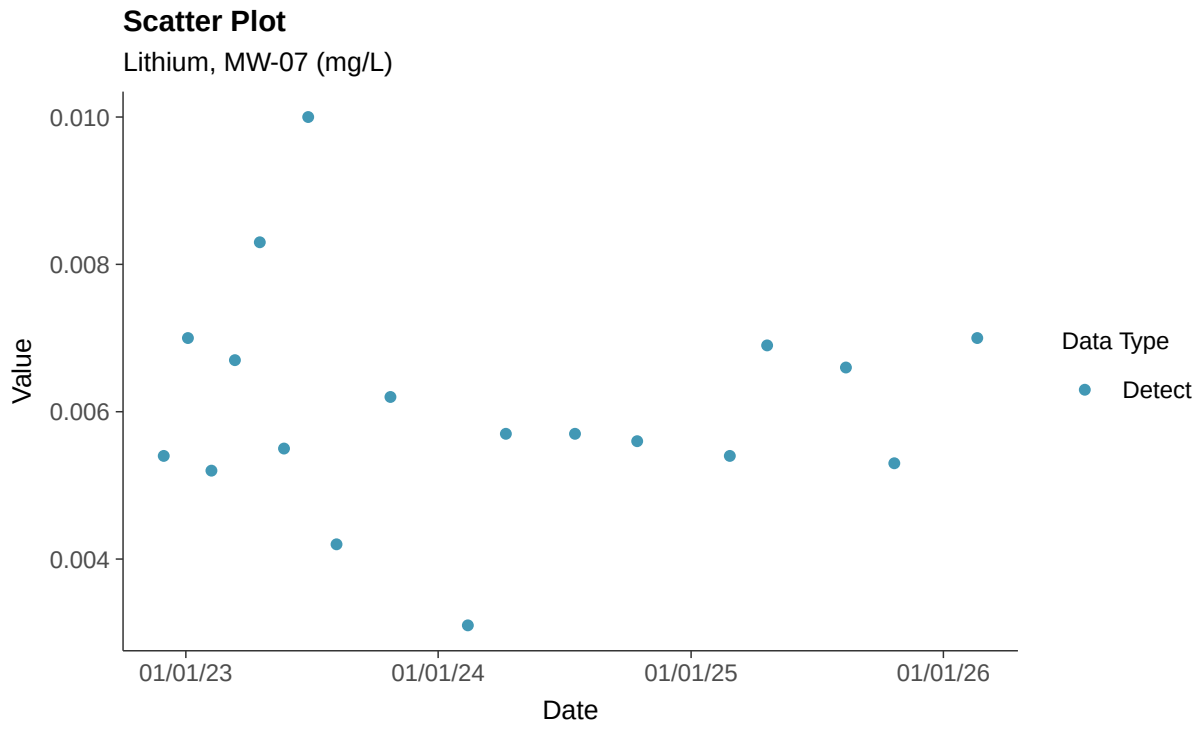
Trend Regression: Piecewise Linear-Linear-Linear

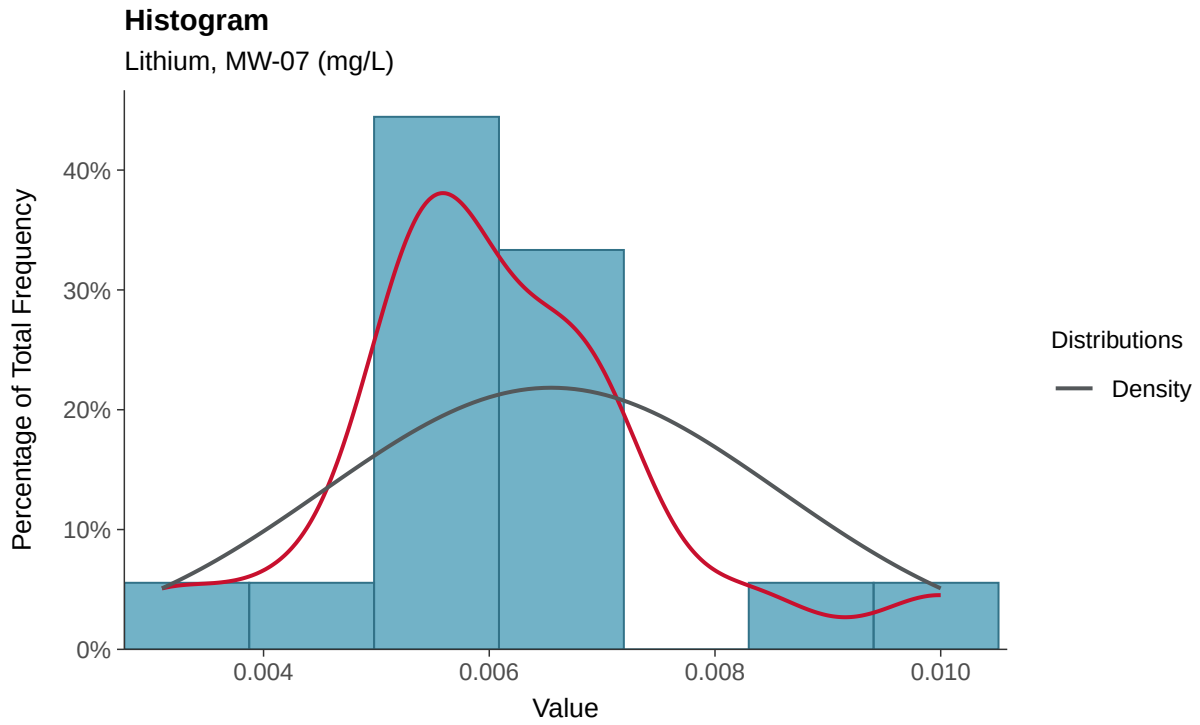
Lead, MW-07 (mg/L)



Appendix IV: Lithium, MW-07

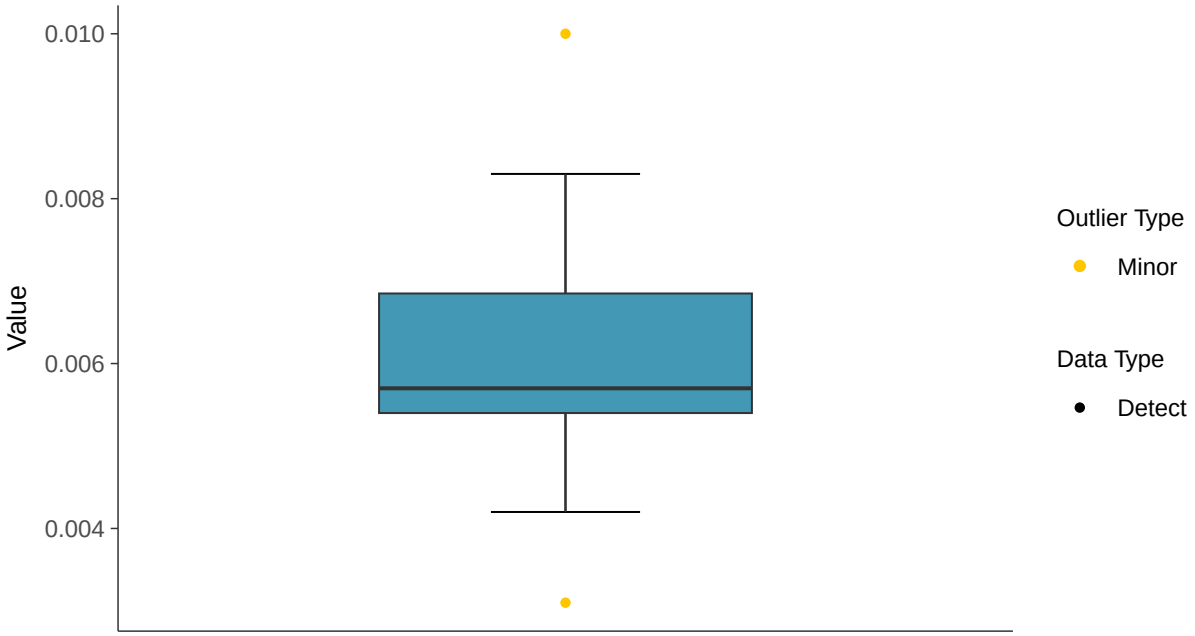
ID: 17_1_4_116





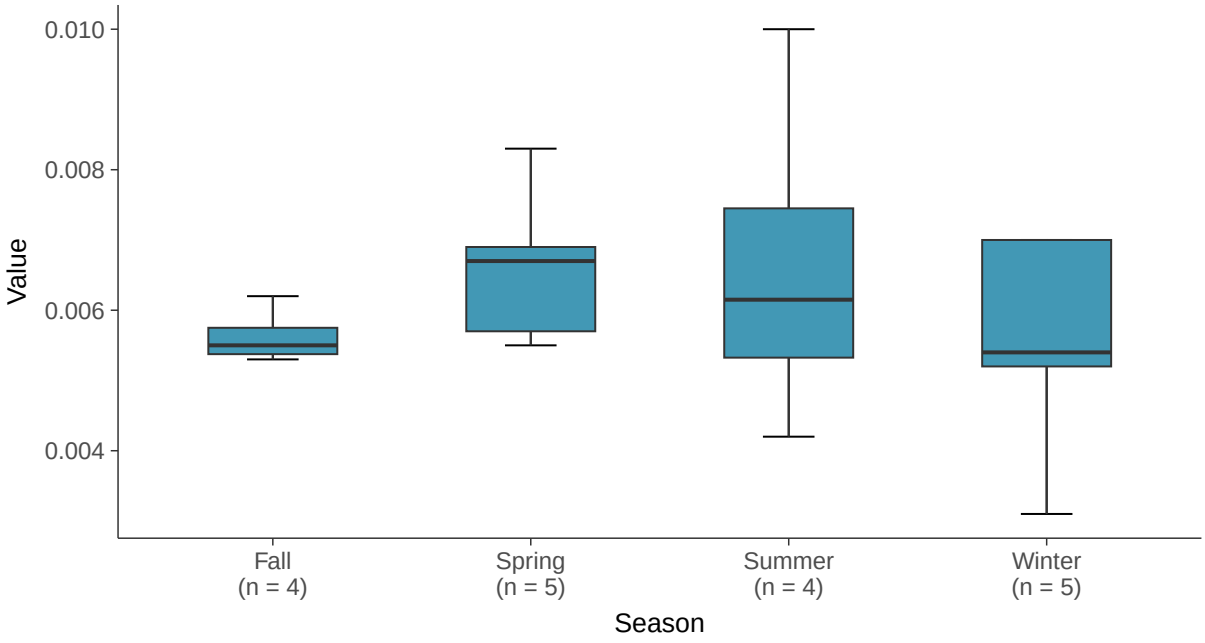
Boxplot

Lithium, MW-07 (mg/L)



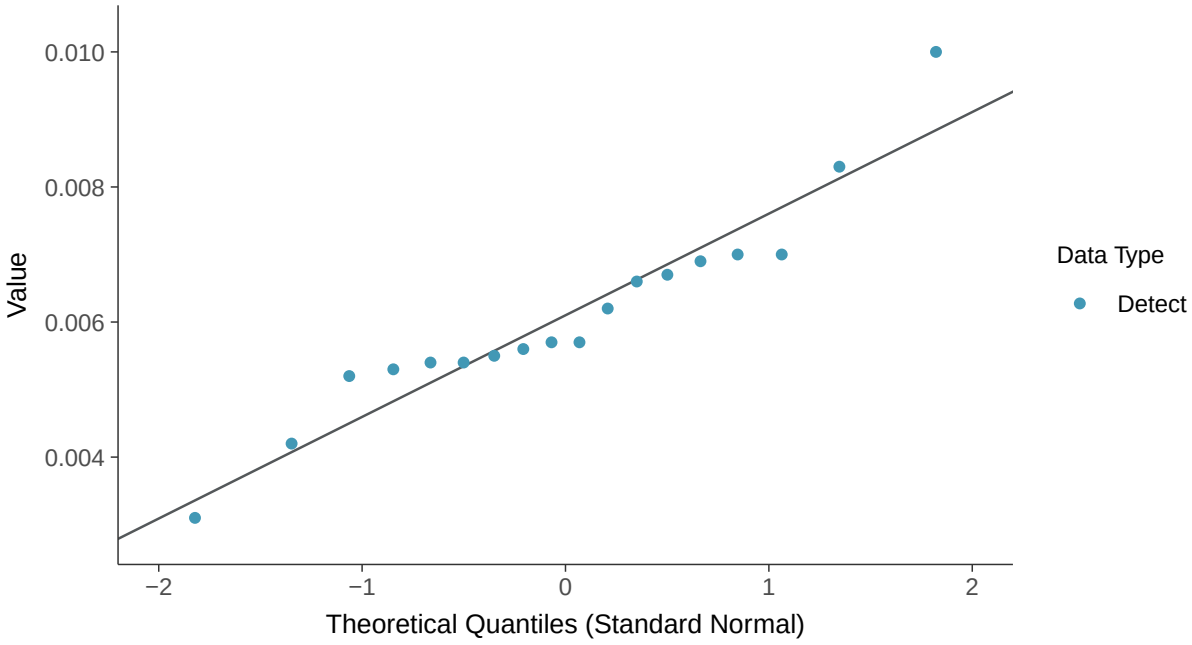
Boxplot by Season

Lithium, MW-07 (mg/L)



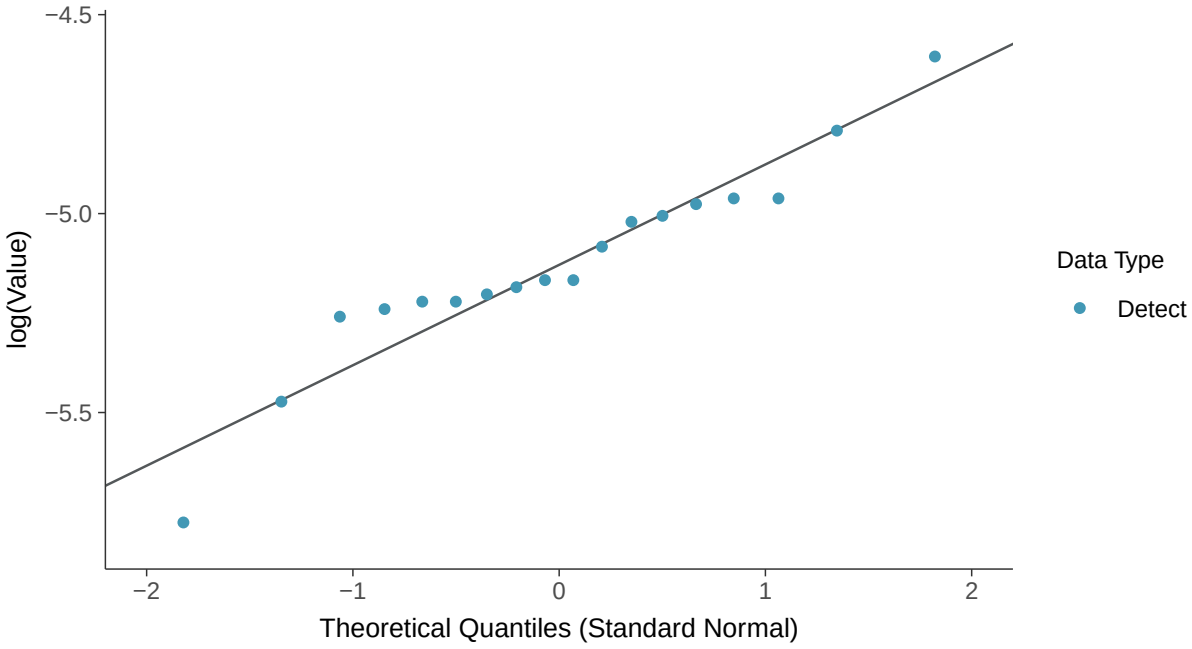
Normal Q-Q plot

Lithium, MW-07 (mg/L)



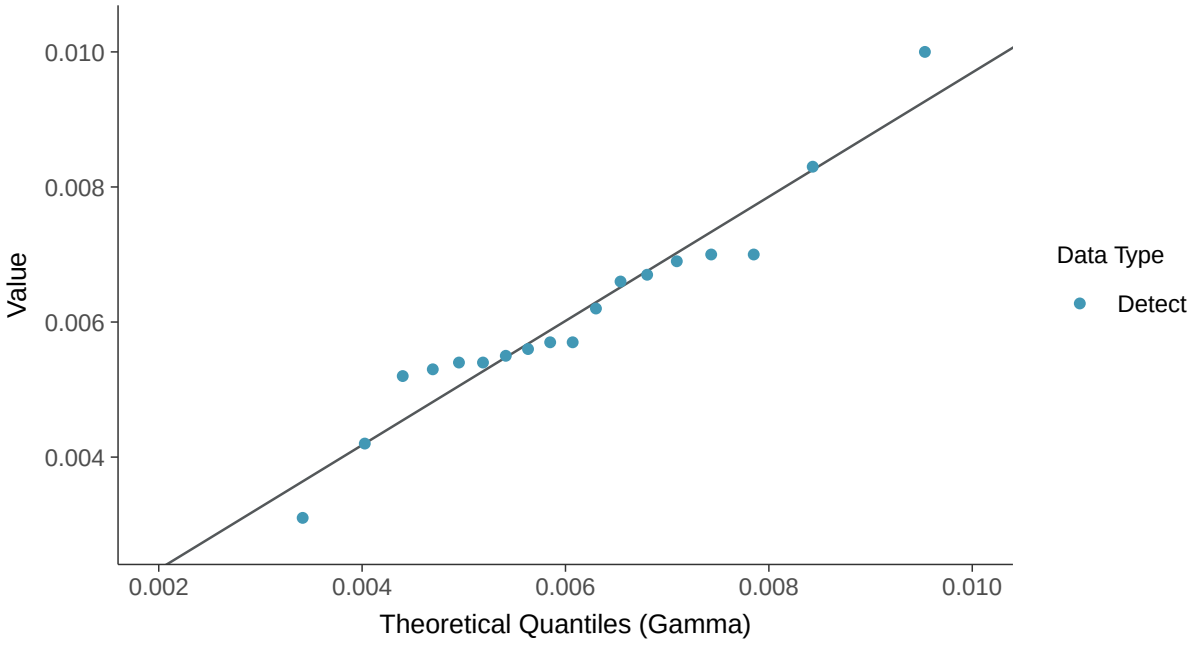
Lognormal Q-Q plot

Lithium, MW-07 (mg/L)



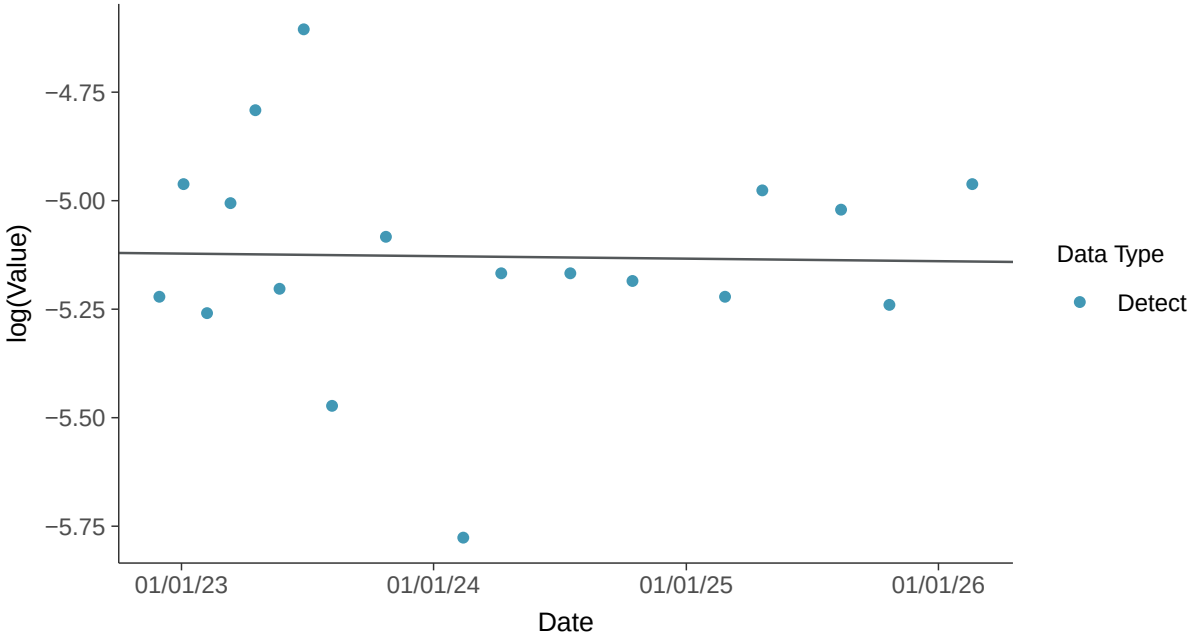
Gamma Q-Q plot

Lithium, MW-07 (mg/L)



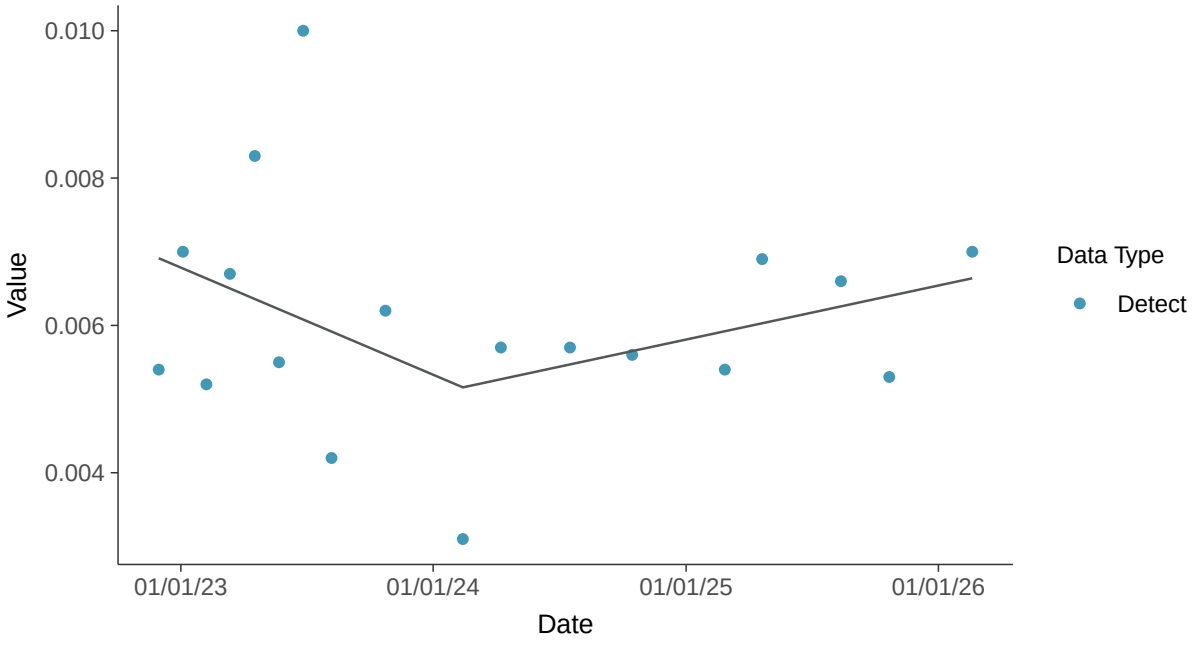
Trend Regression: Lognormal MLE

Lithium, MW-07 (mg/L)



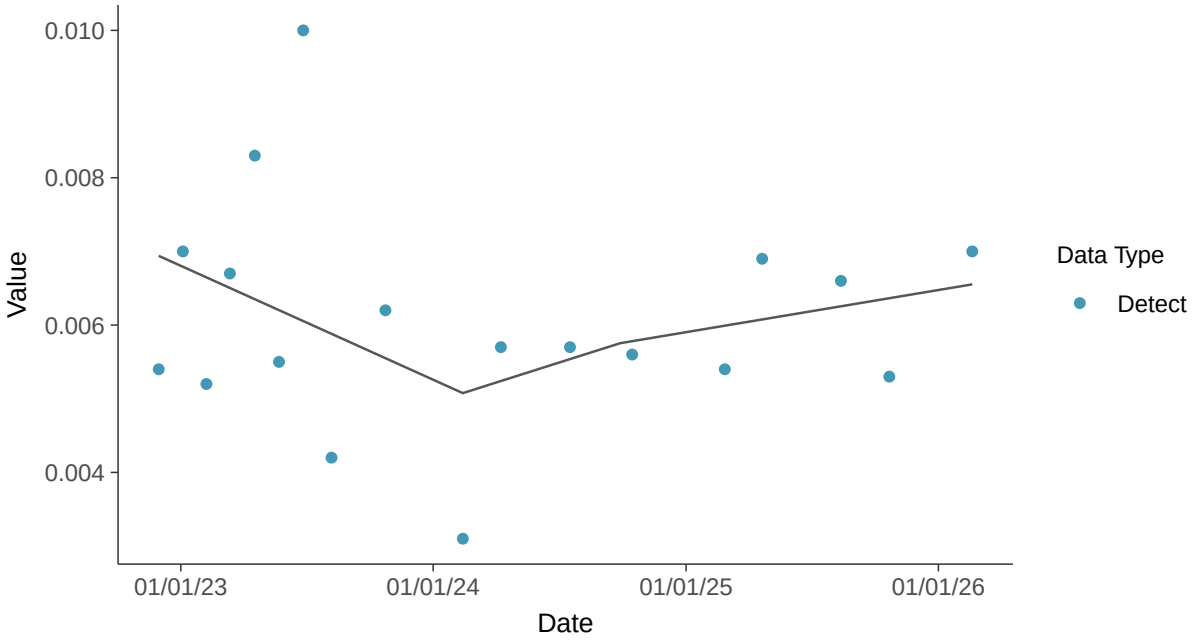
Trend Regression: Piecewise Linear-Linear

Lithium, MW-07 (mg/L)



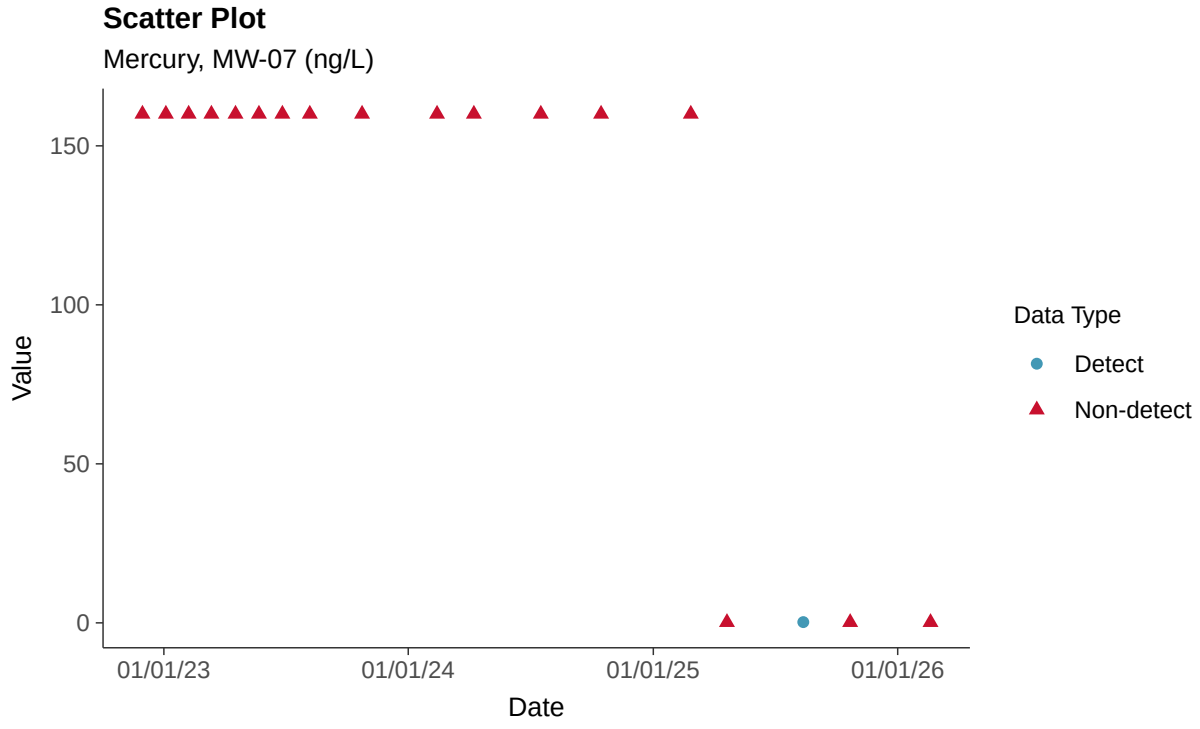
Trend Regression: Piecewise Linear-Linear-Linear

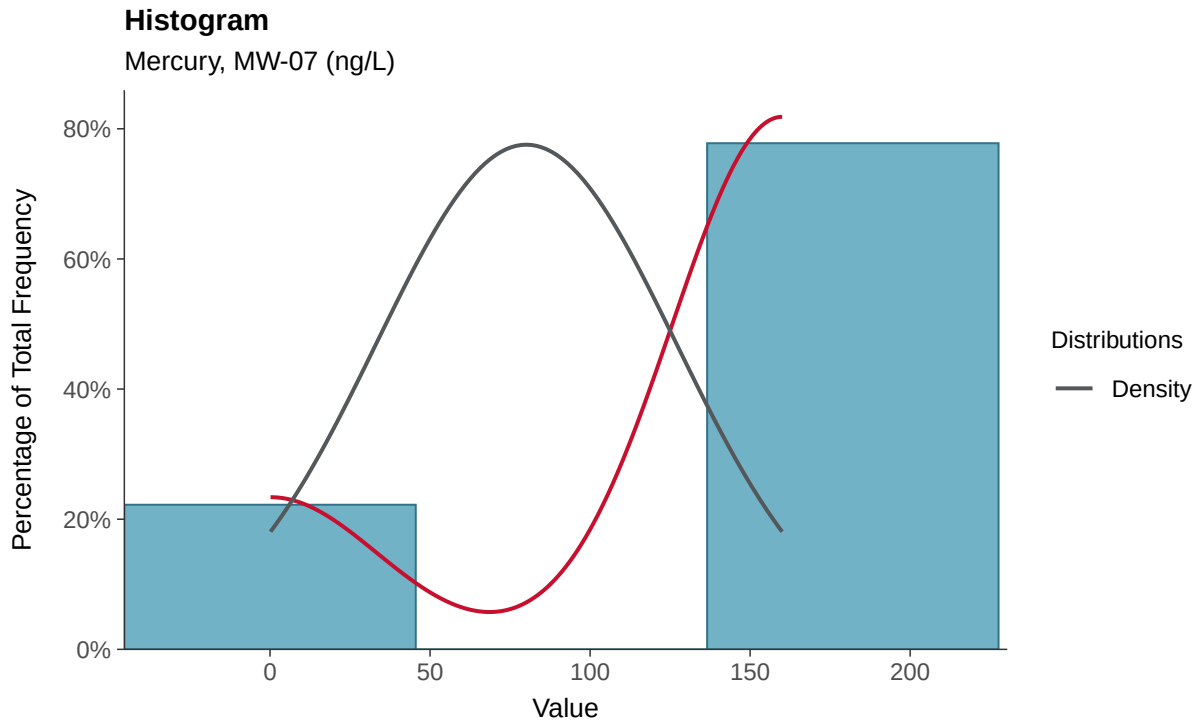
Lithium, MW-07 (mg/L)



Appendix IV: Mercury, MW-07

ID: 17_1_4_117



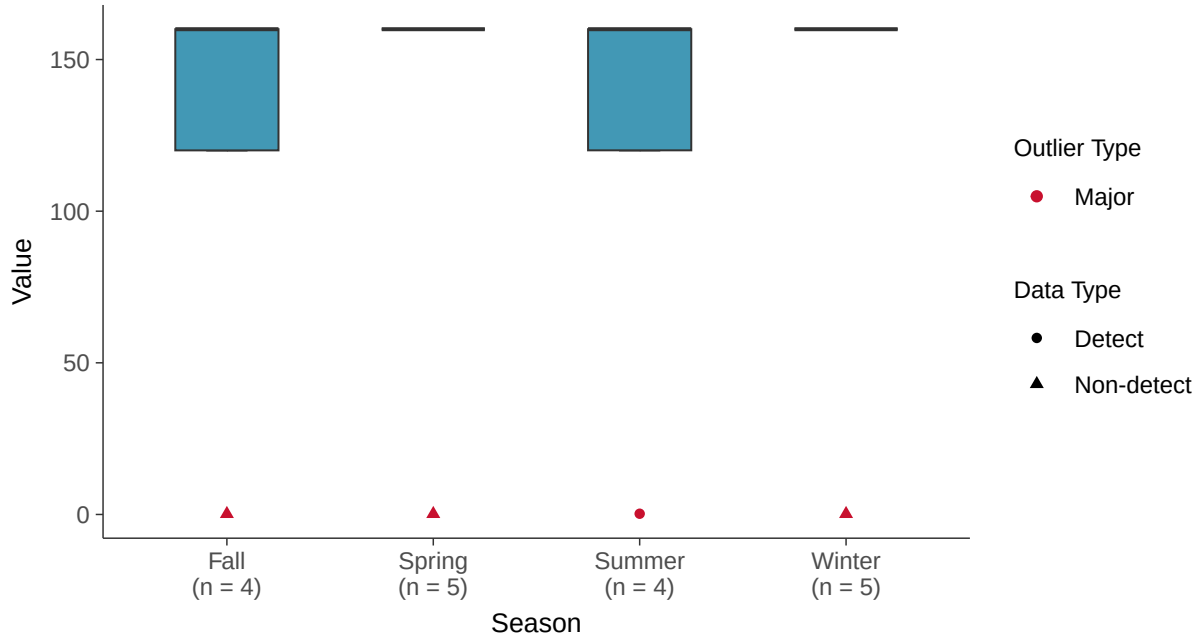


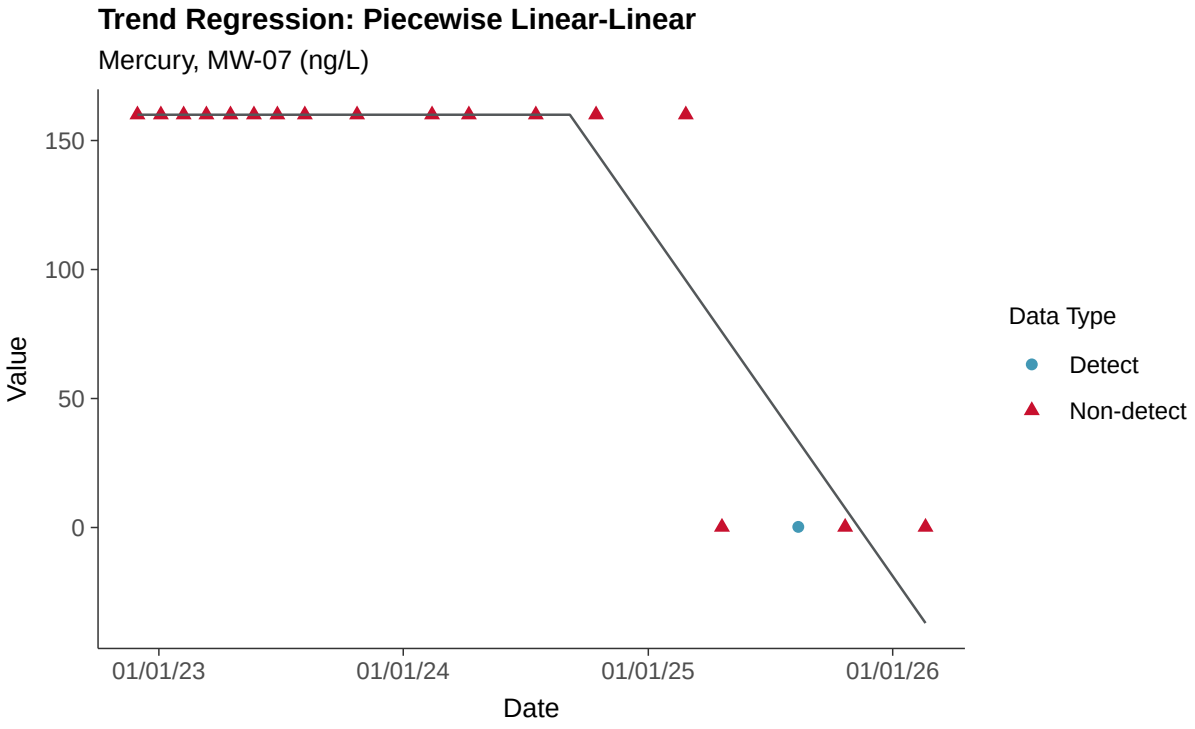
Boxplot

Mercury, MW-07 (ng/L)

Boxplot by Season

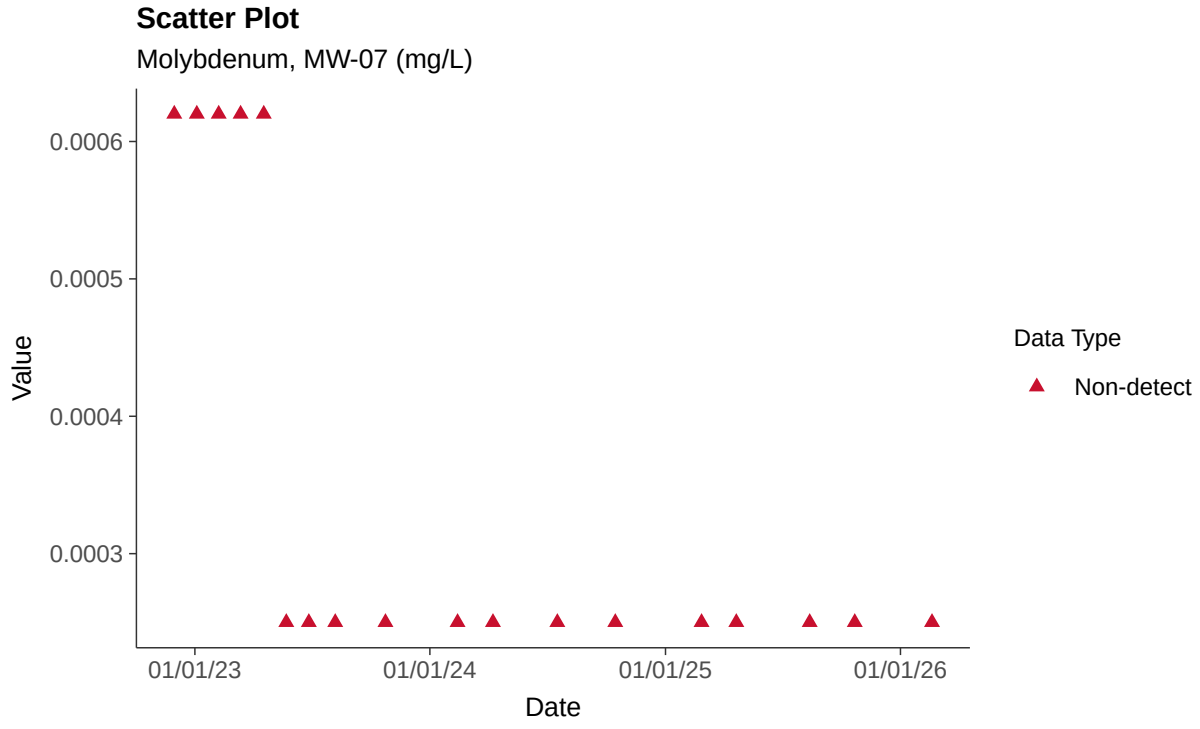
Mercury, MW-07 (ng/L)

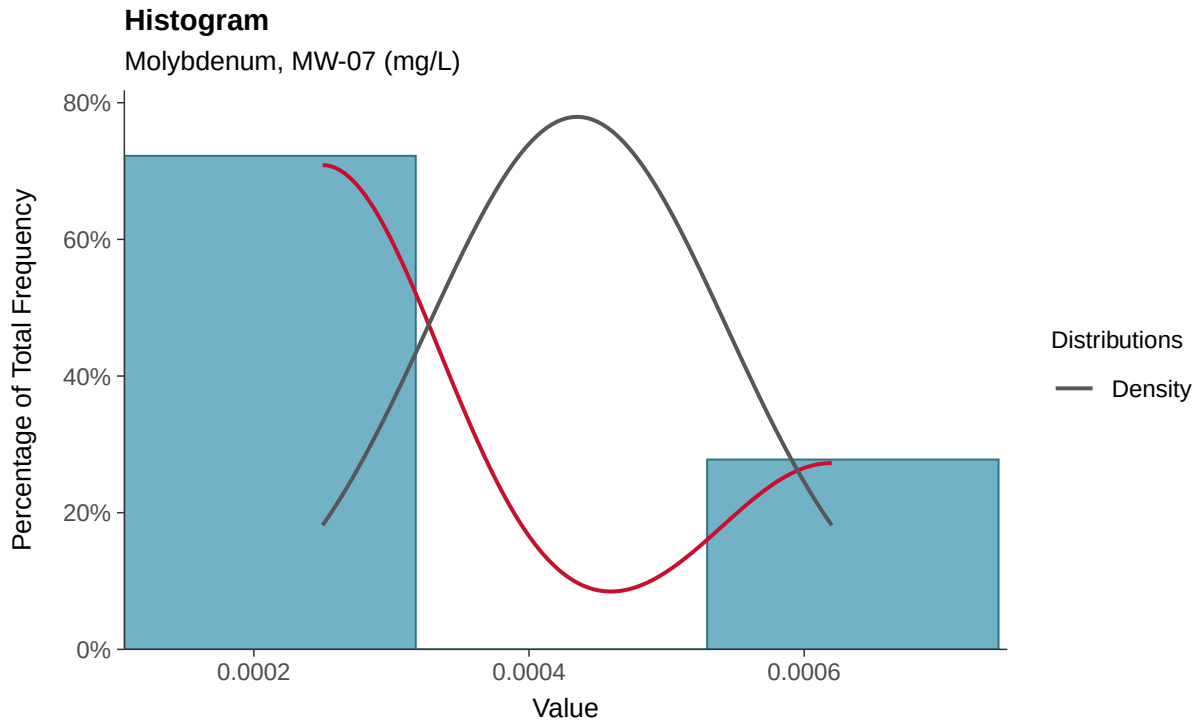



Trend Regression: Piecewise Linear-Linear
Mercury, MW-07 (ng/L)
Value
150
100
50
0
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Molybdenum, MW-07

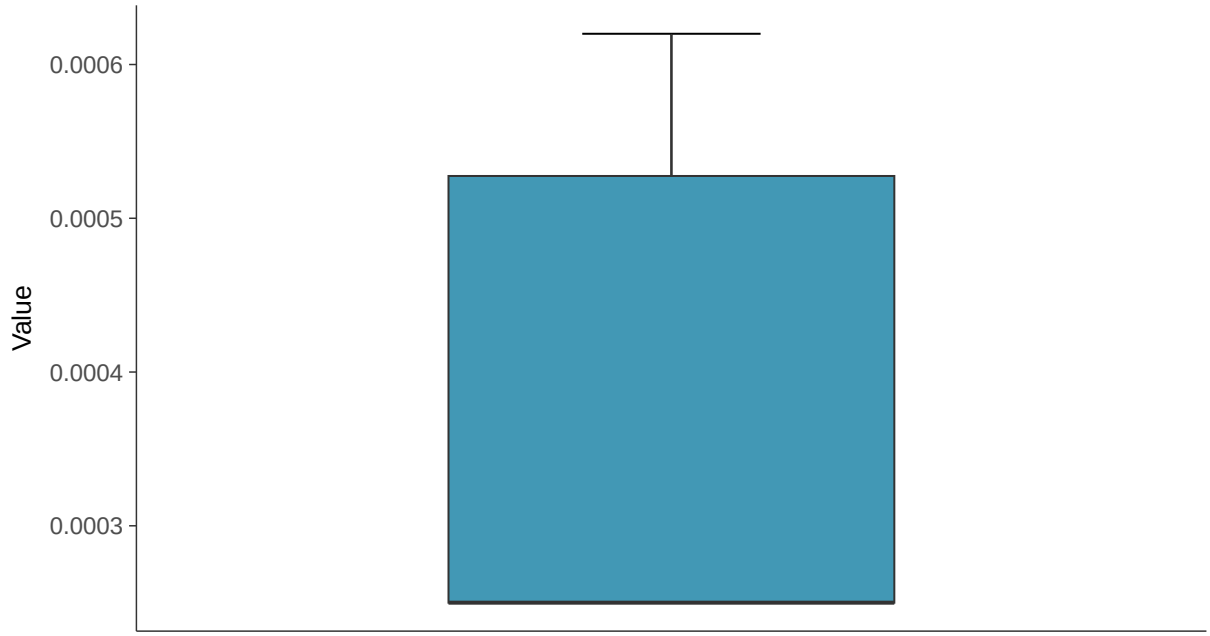
ID: 17_1_4_118





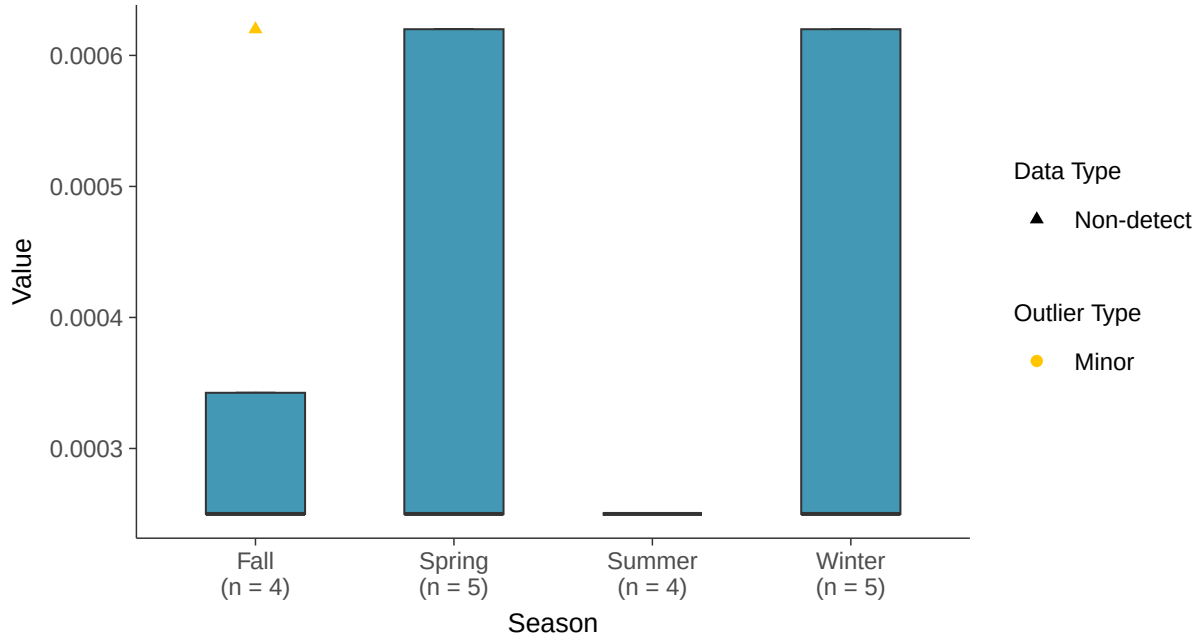
Boxplot

Molybdenum, MW-07 (mg/L)



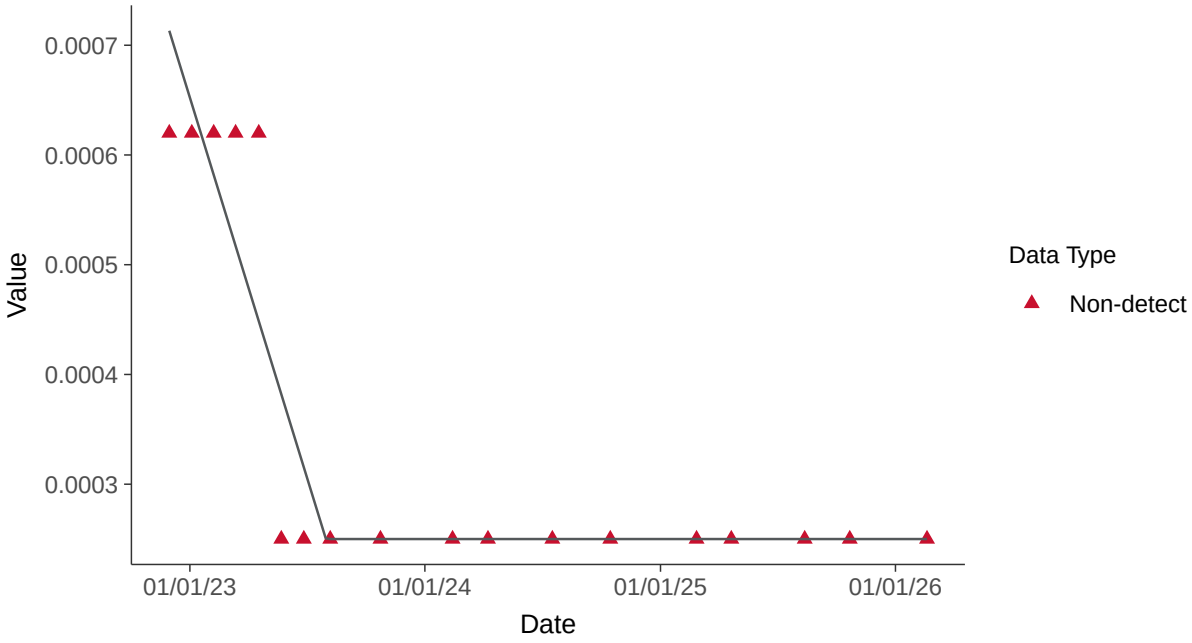
Boxplot by Season

Molybdenum, MW-07 (mg/L)



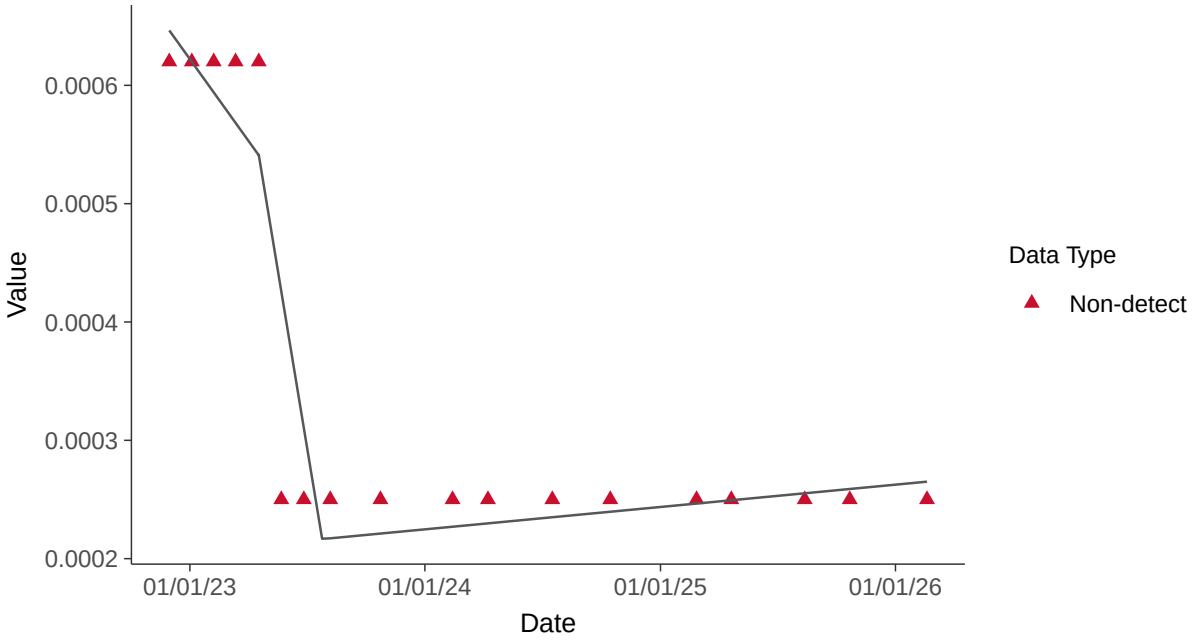
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-07 (mg/L)



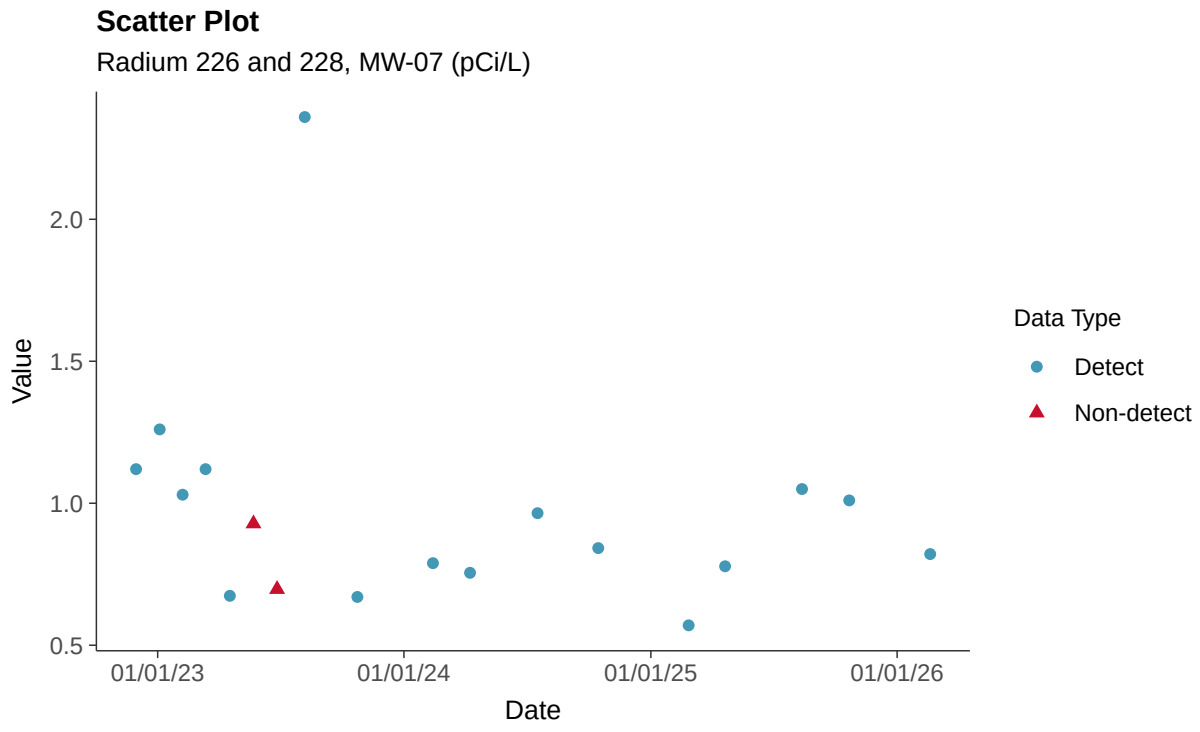
Trend Regression: Piecewise Linear-Linear-Linear

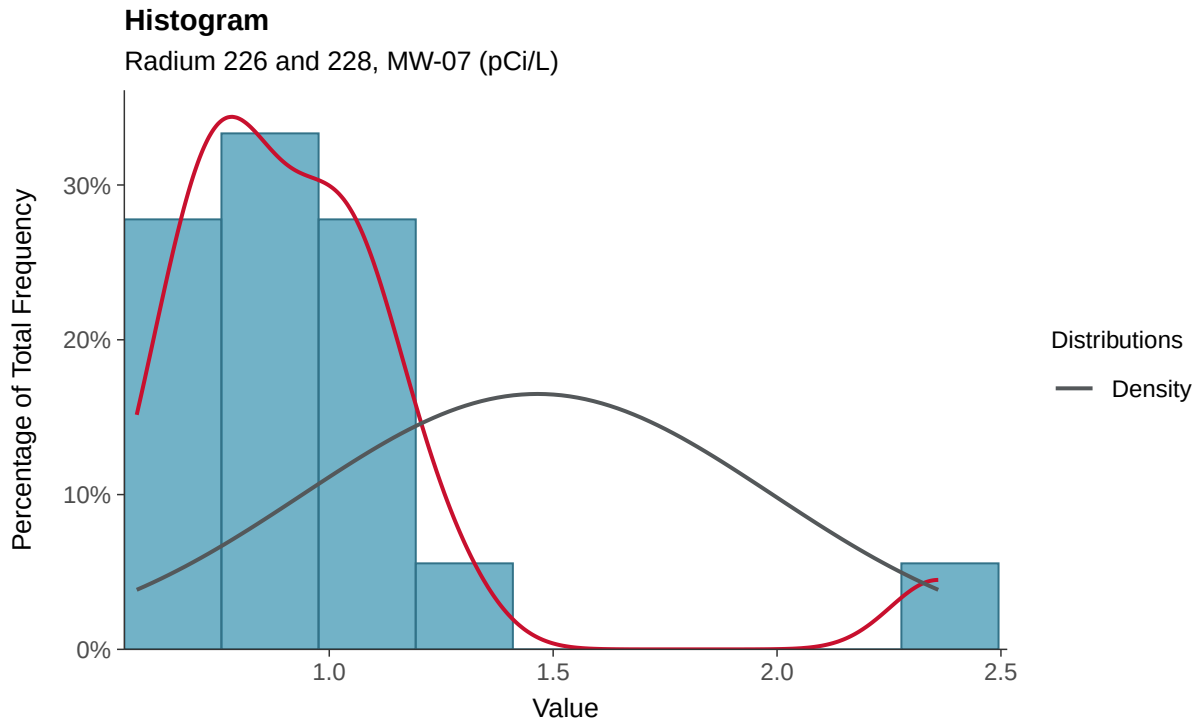
Molybdenum, MW-07 (mg/L)



Appendix IV: Radium 226 and 228, MW-07

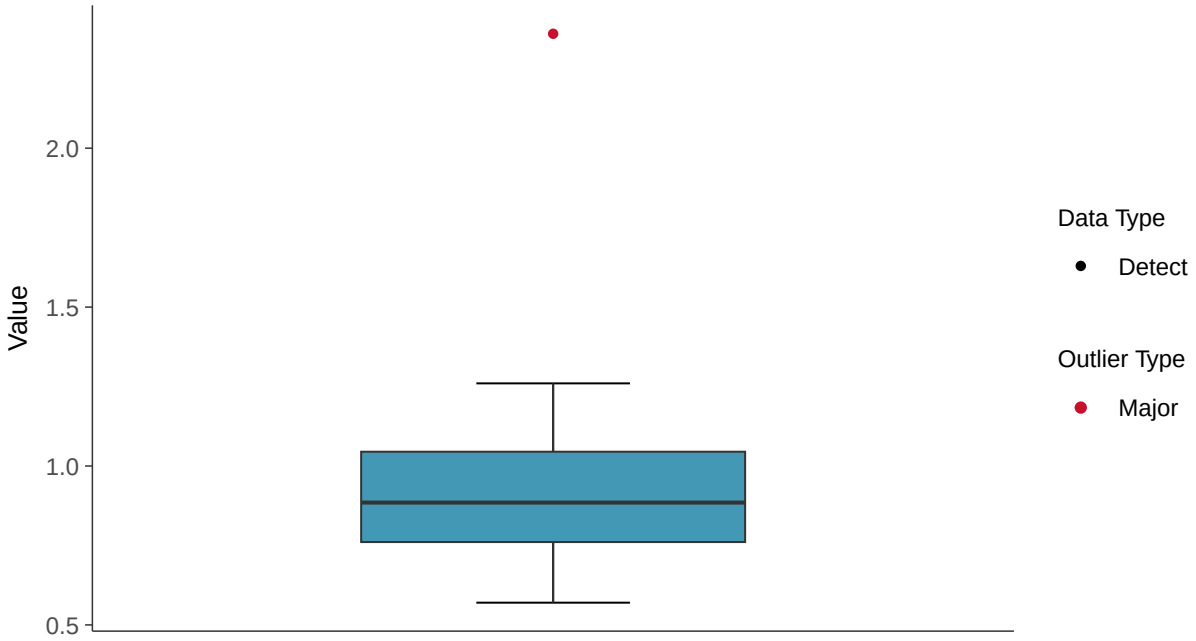
ID: 17_1_4_121





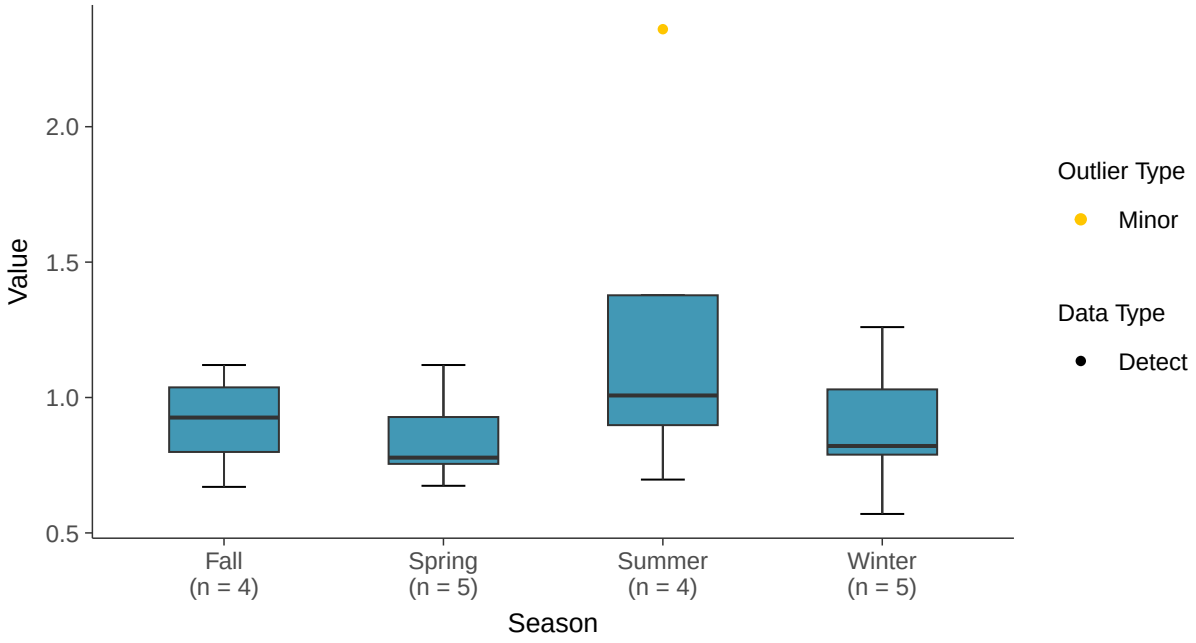
Boxplot

Radium 226 and 228, MW-07 (pCi/L)



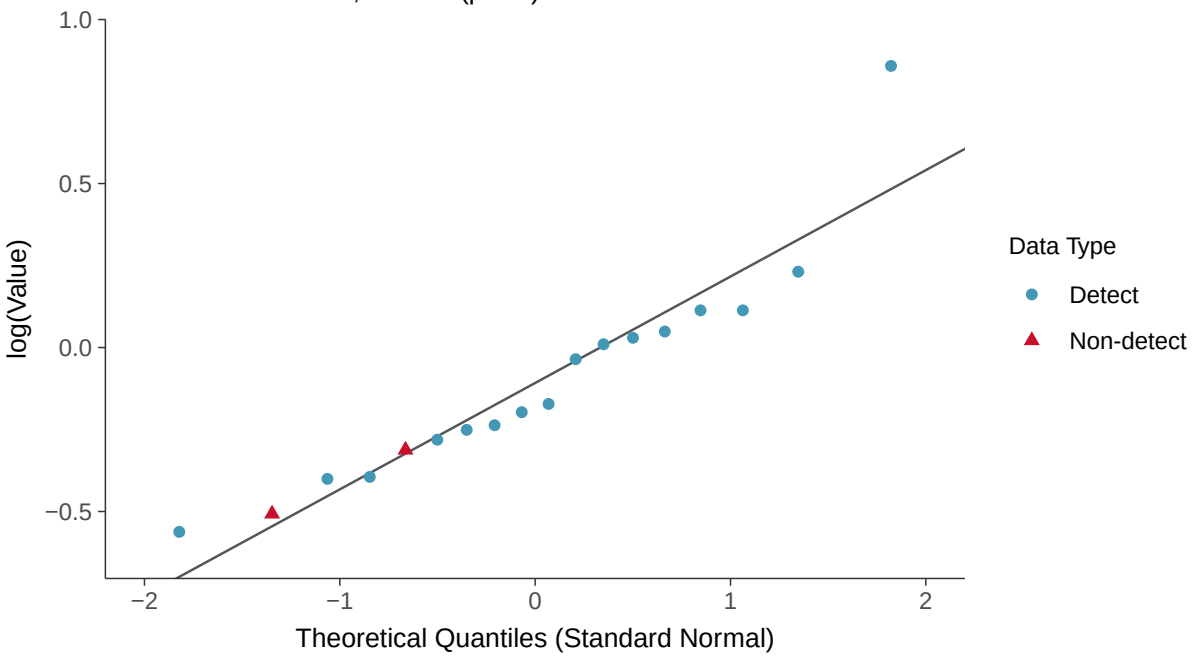
Boxplot by Season

Radium 226 and 228, MW-07 (pCi/L)



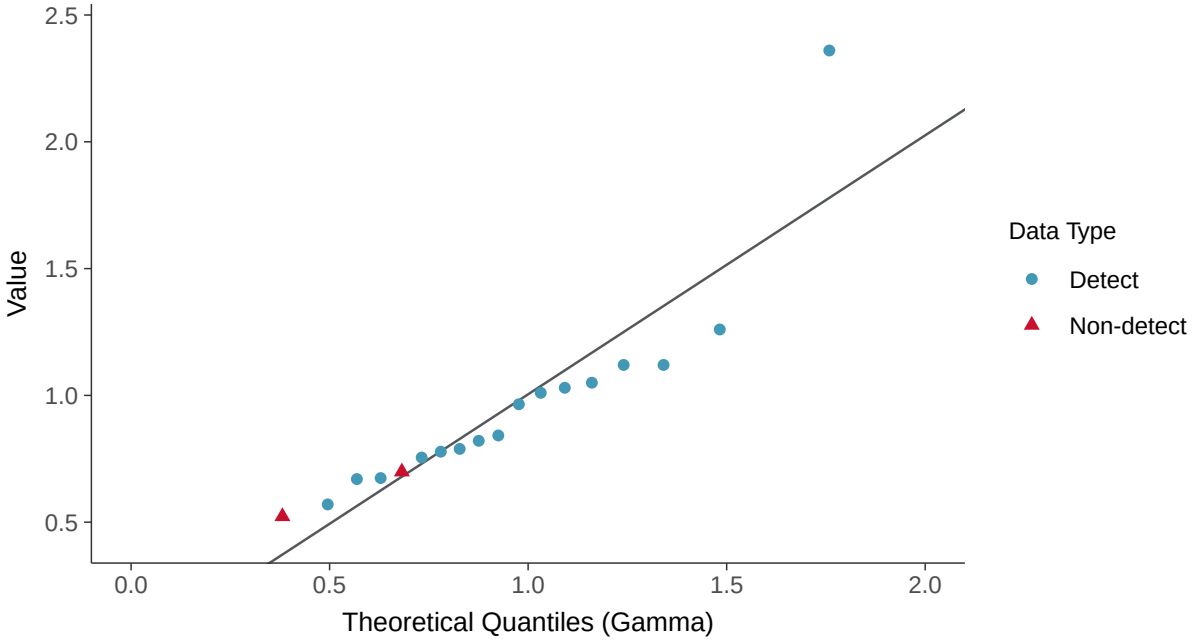
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-07 (pCi/L)



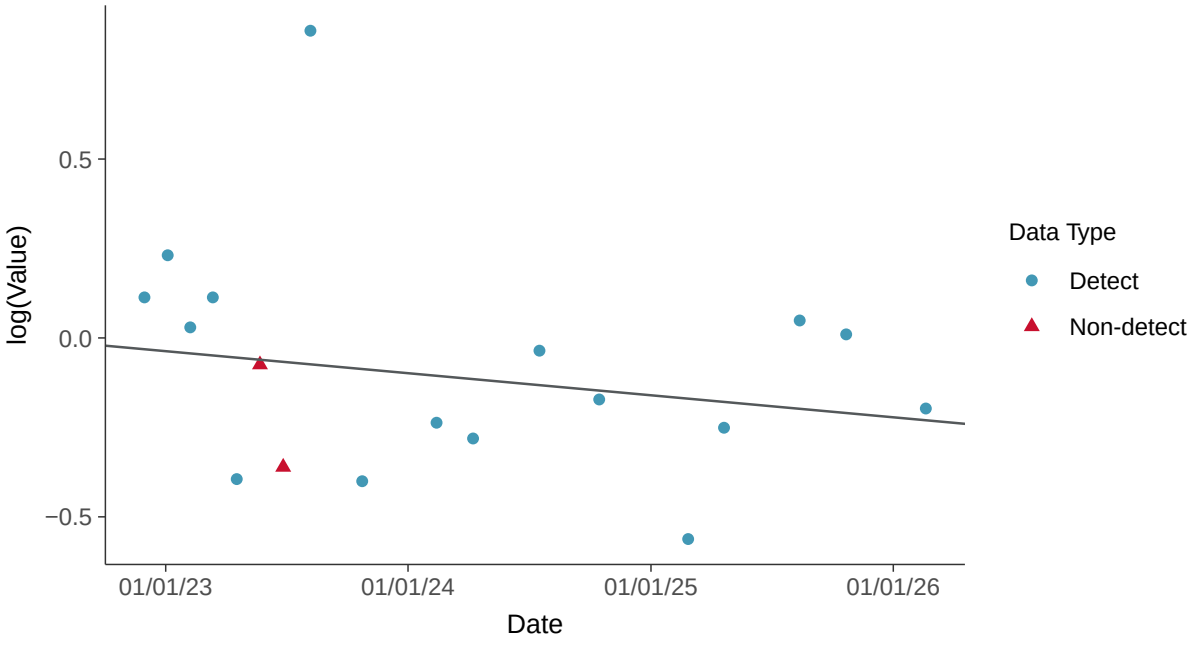
Gamma Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-07 (pCi/L)



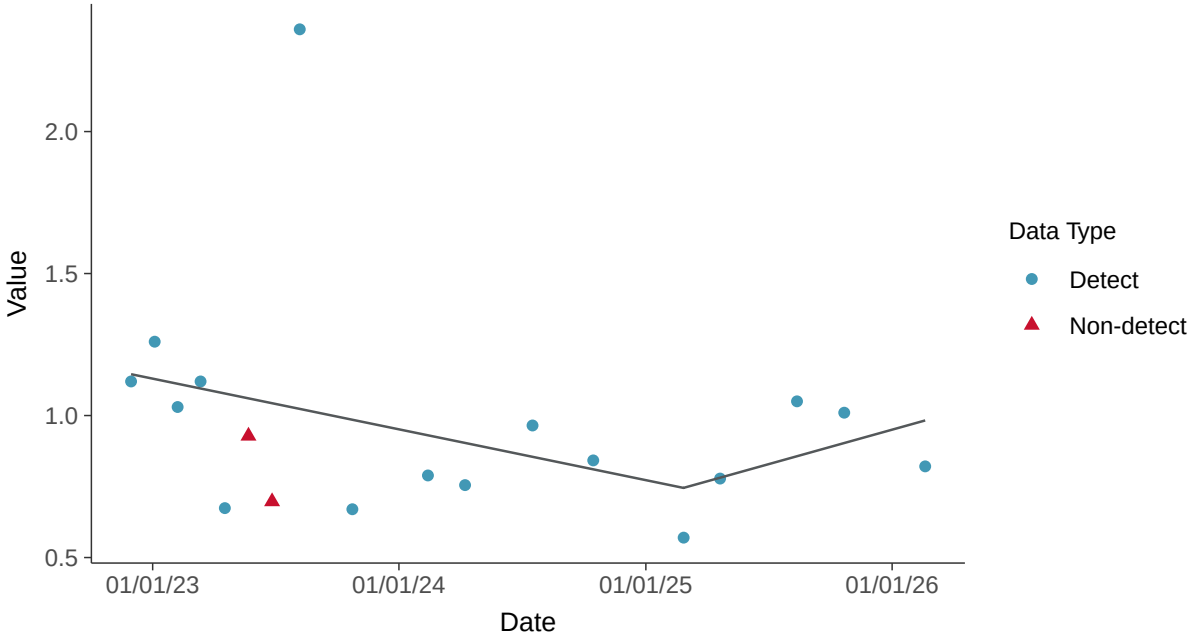
Trend Regression: Lognormal MLE

Radium 226 and 228, MW-07 (pCi/L)



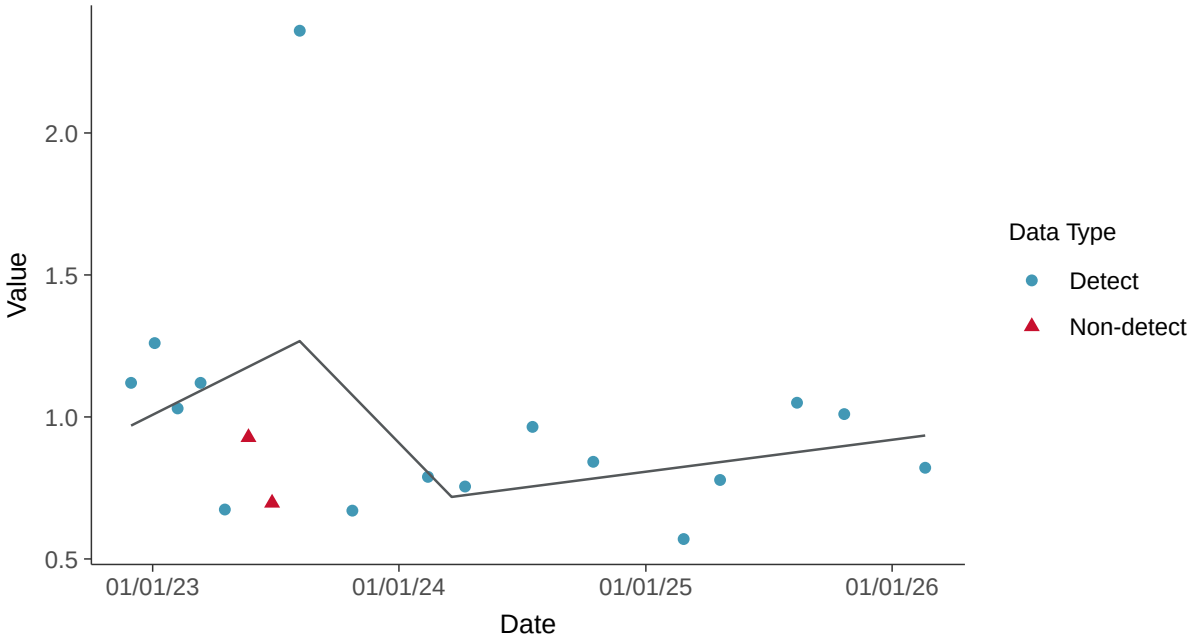
Trend Regression: Piecewise Linear-Linear

Radium 226 and 228, MW-07 (pCi/L)



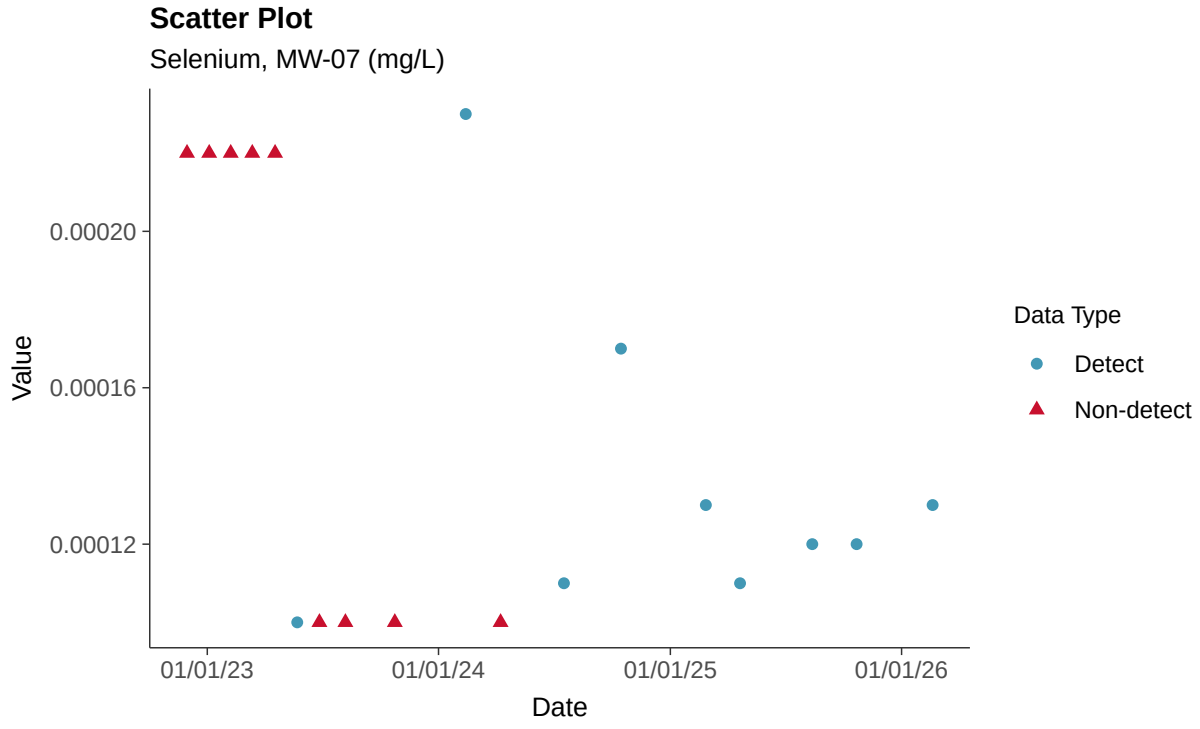
Trend Regression: Piecewise Linear-Linear-Linear

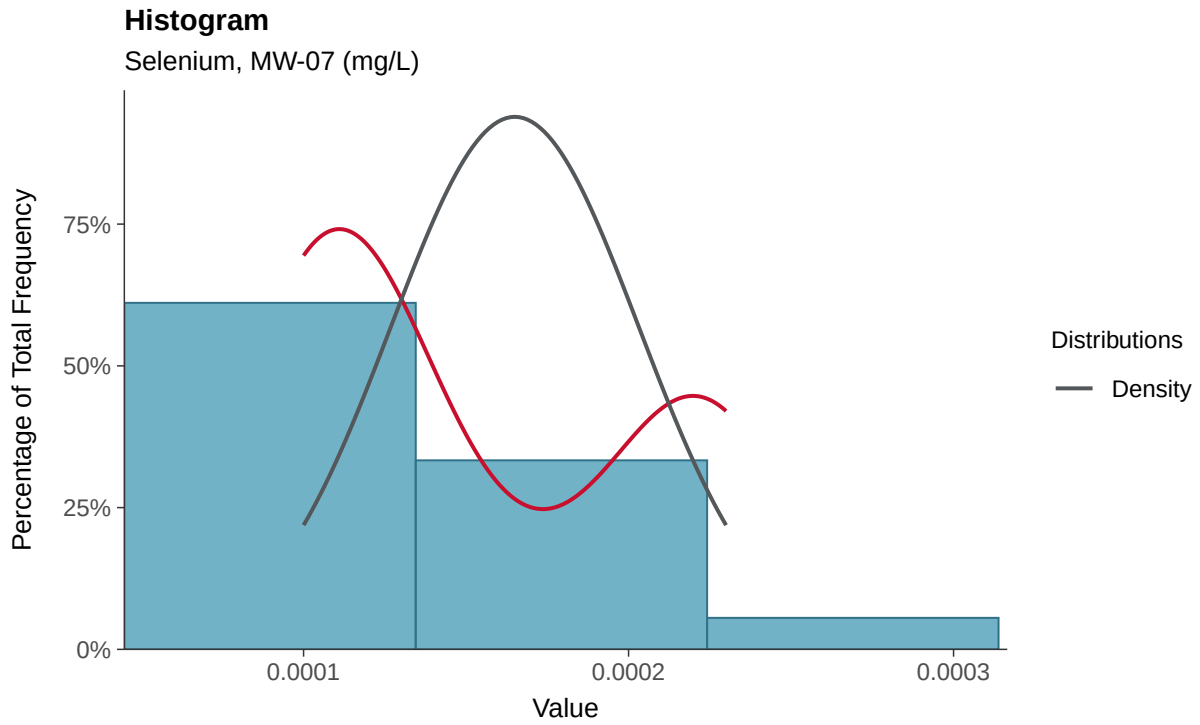
Radium 226 and 228, MW-07 (pCi/L)



Appendix IV: Selenium, MW-07

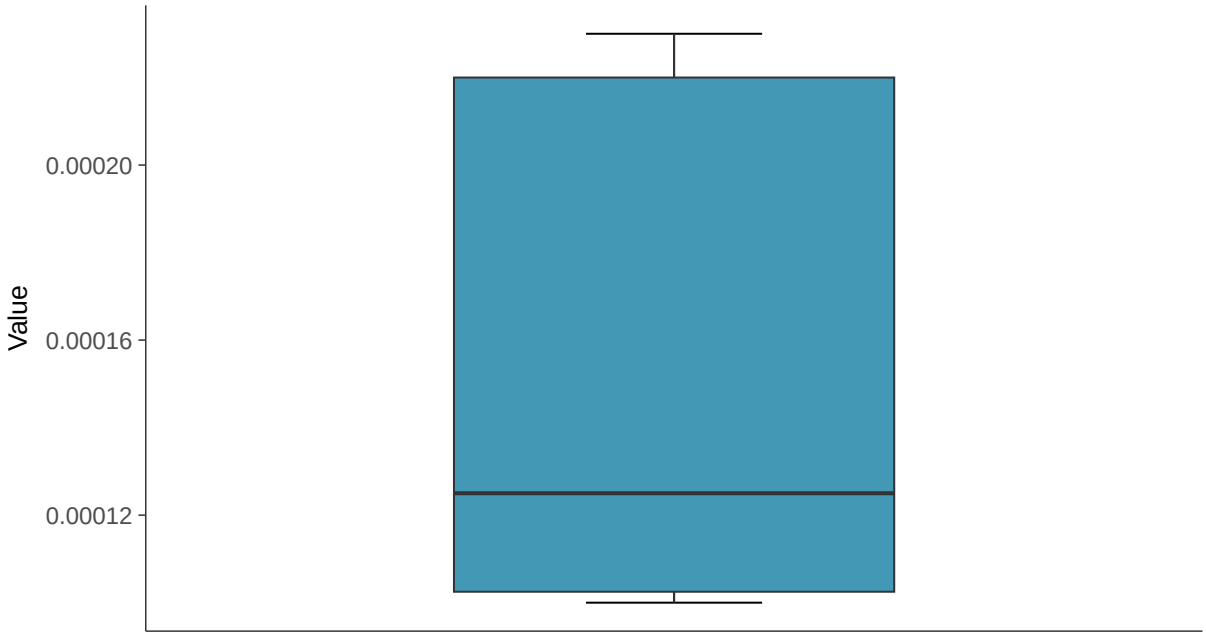
ID: 17_1_4_122





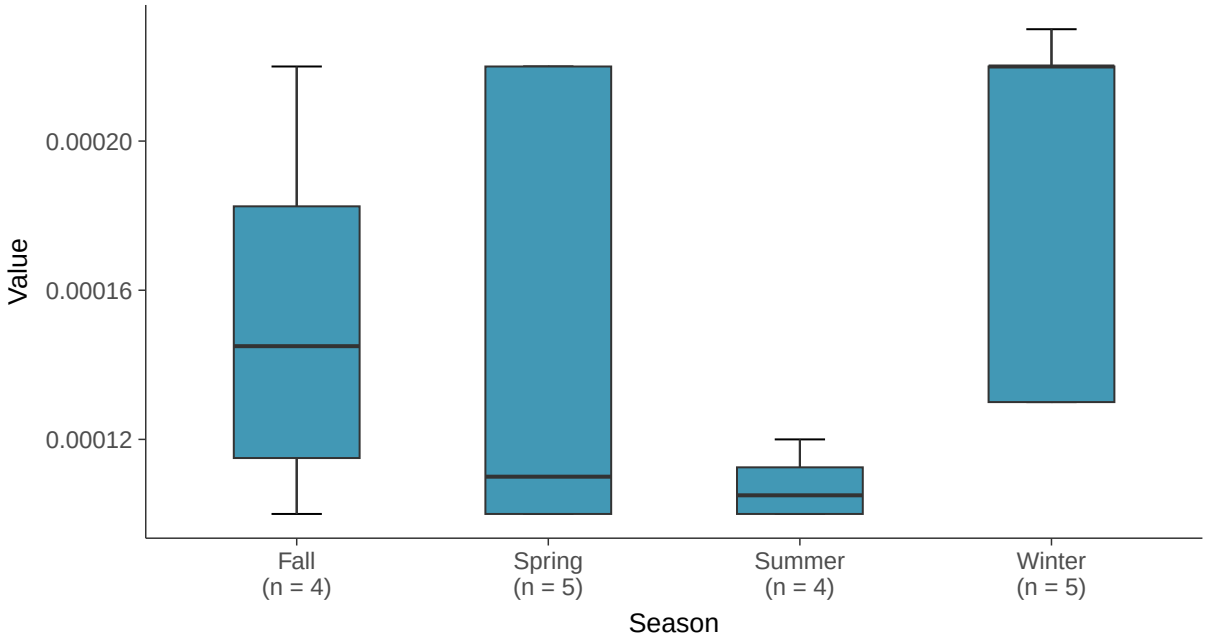
Boxplot

Selenium, MW-07 (mg/L)



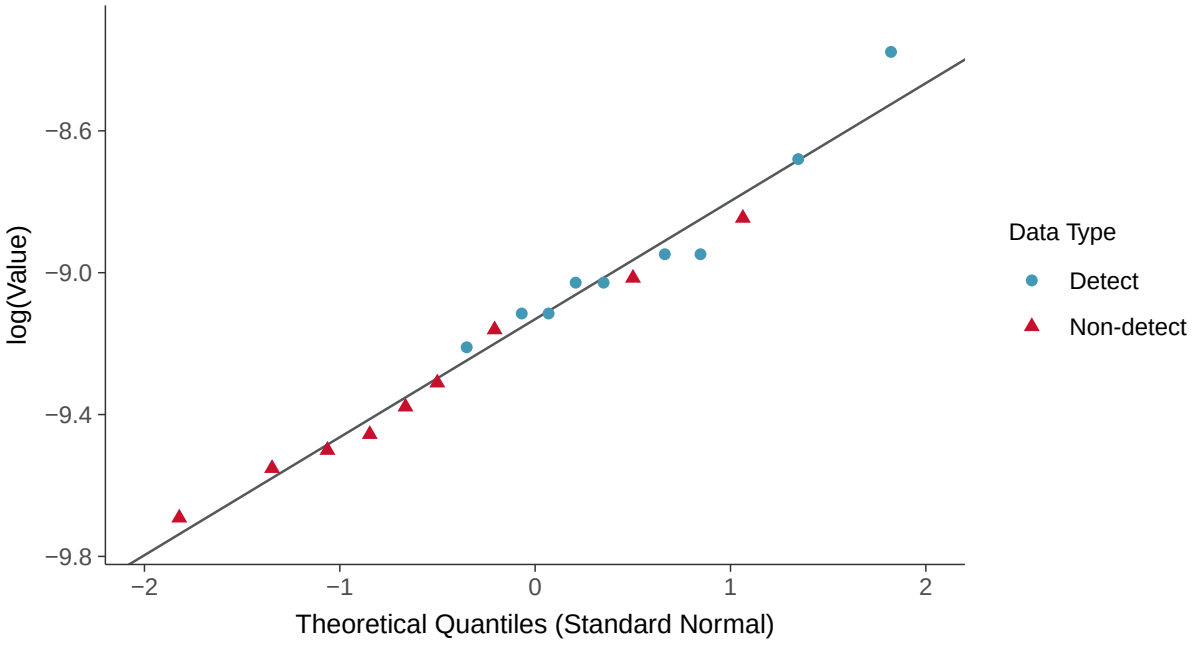
Boxplot by Season

Selenium, MW-07 (mg/L)



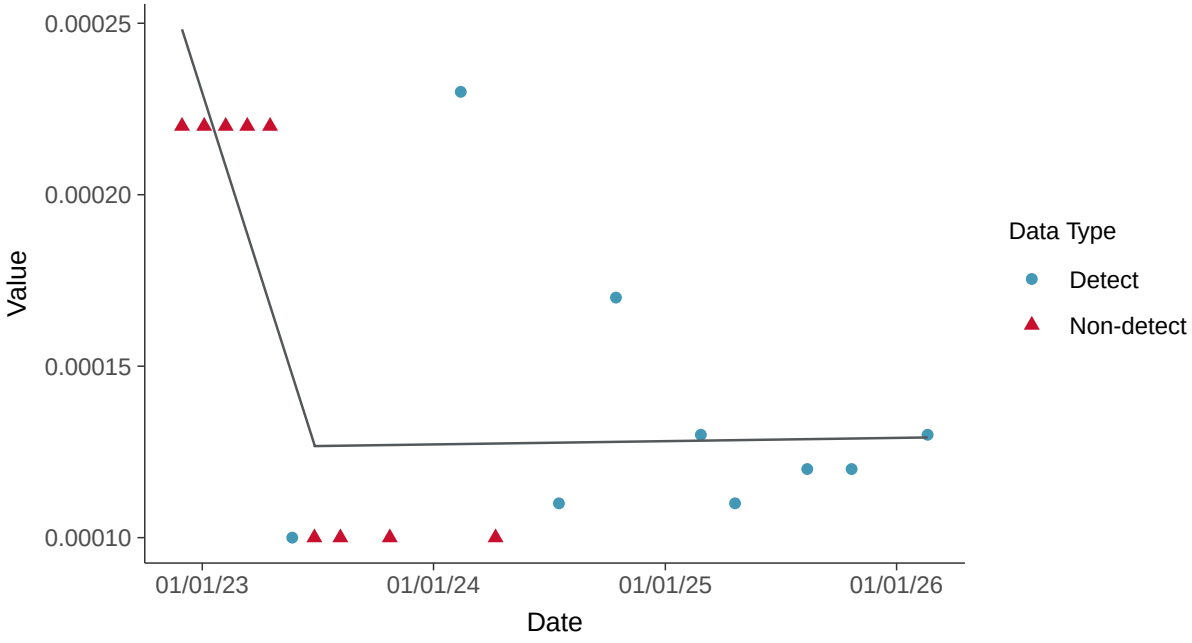
Lognormal Q-Q plot using ROS Imputed Estimates

Selenium, MW-07 (mg/L)



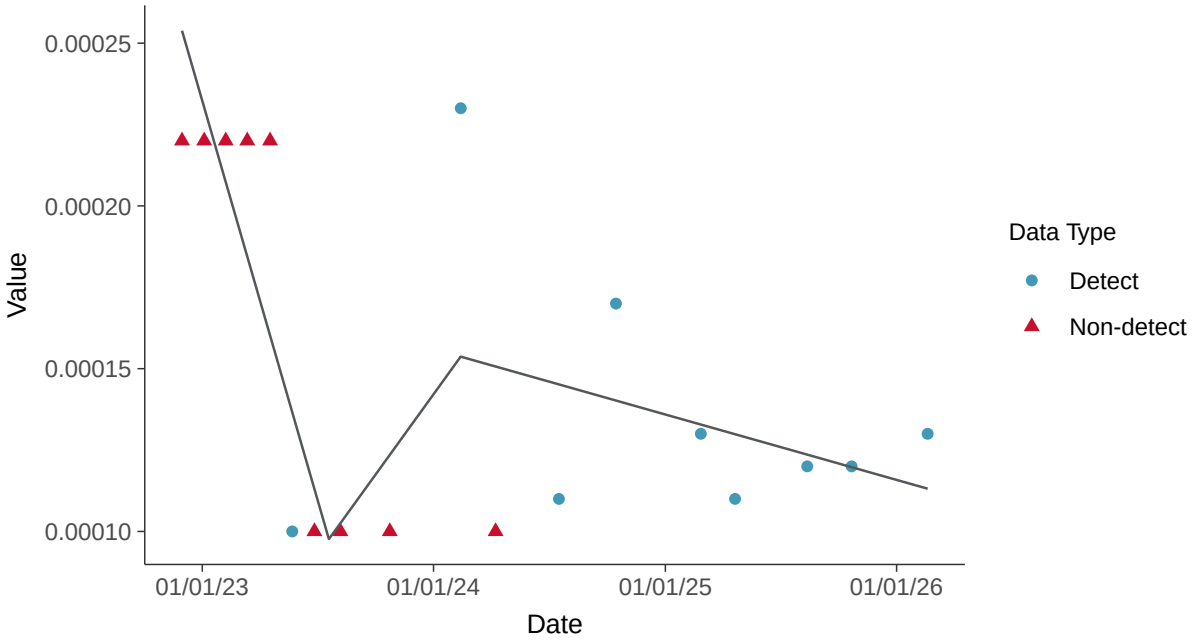
Trend Regression: Piecewise Linear-Linear

Selenium, MW-07 (mg/L)



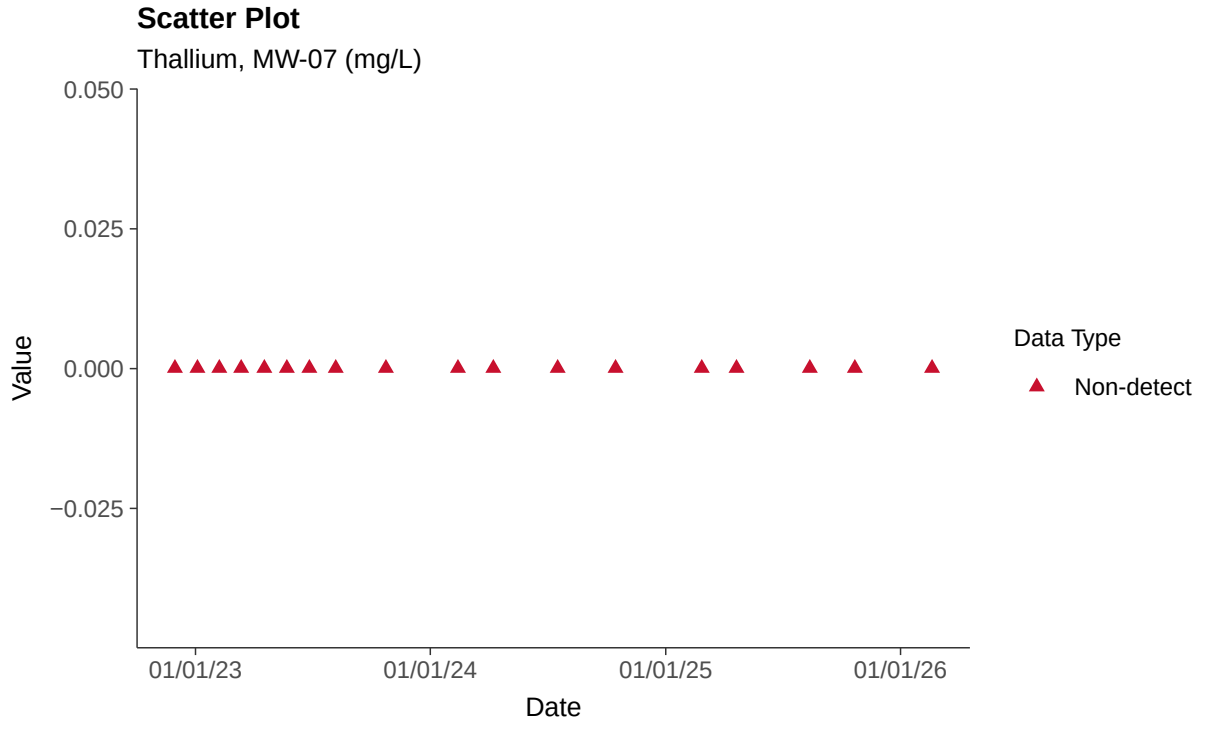
Trend Regression: Piecewise Linear-Linear-Linear

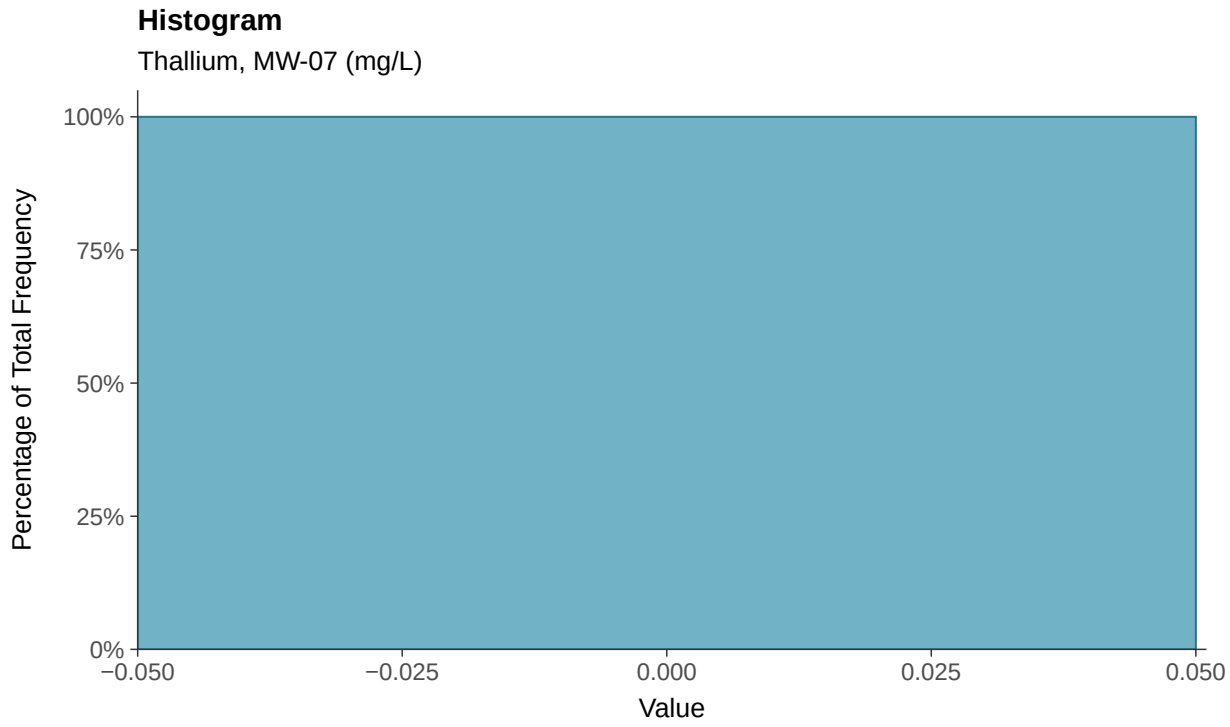
Selenium, MW-07 (mg/L)



Appendix IV: Thallium, MW-07

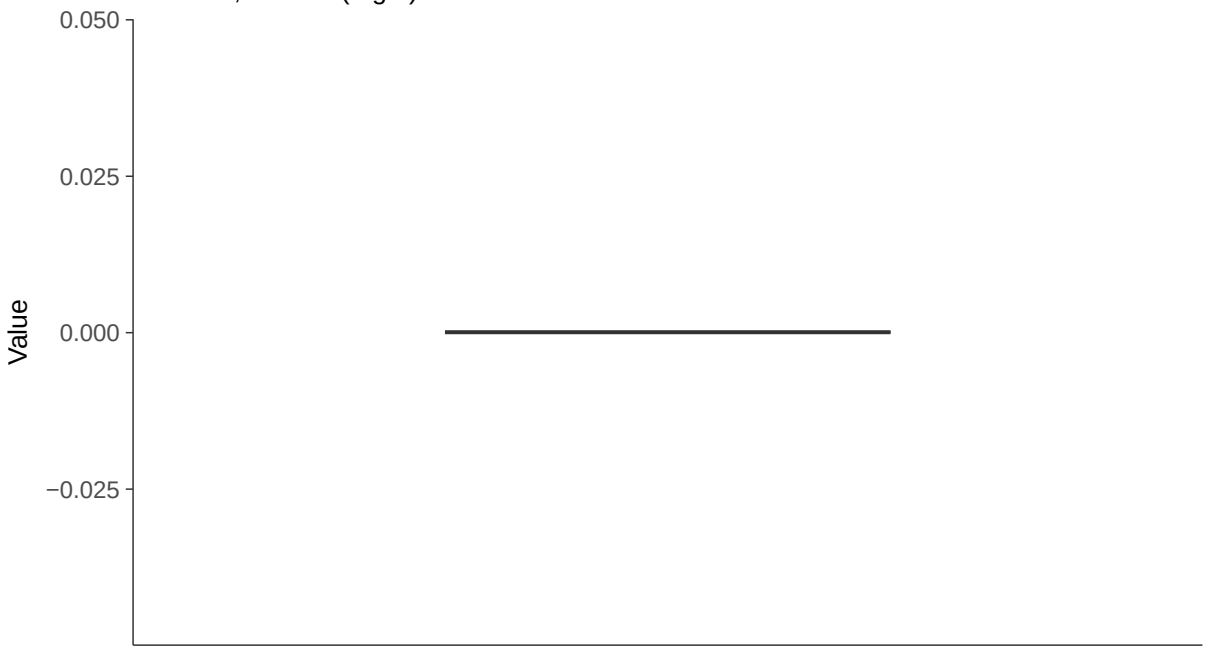
ID: 17_1_4_125





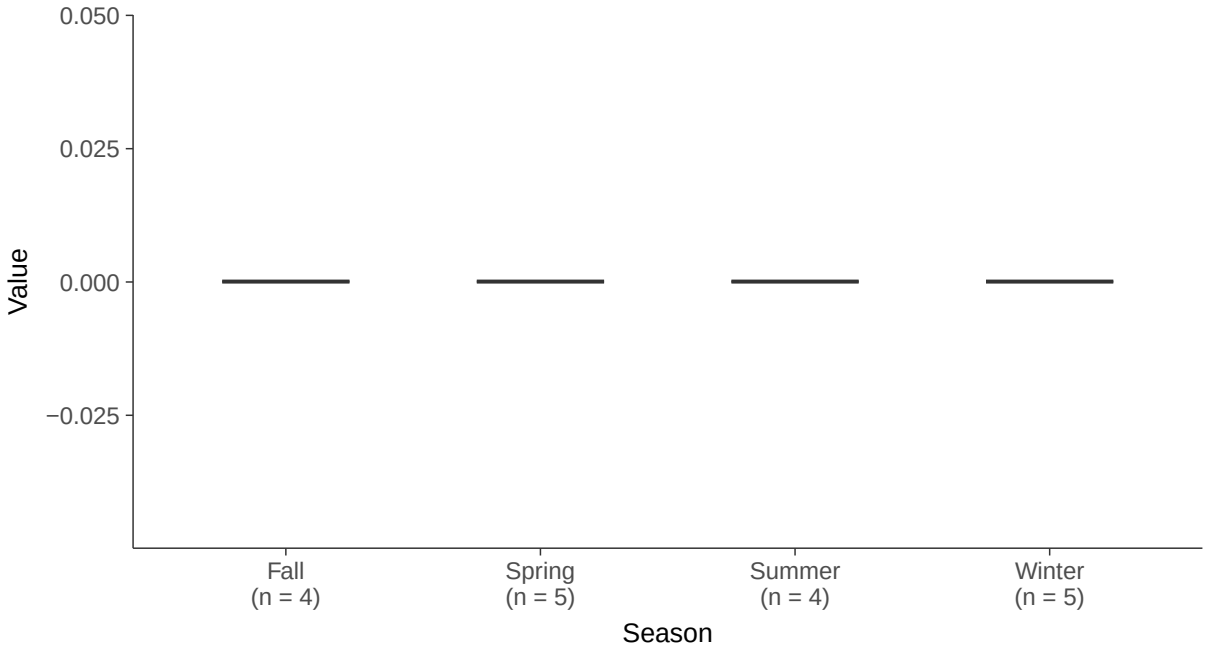
Boxplot

Thallium, MW-07 (mg/L)



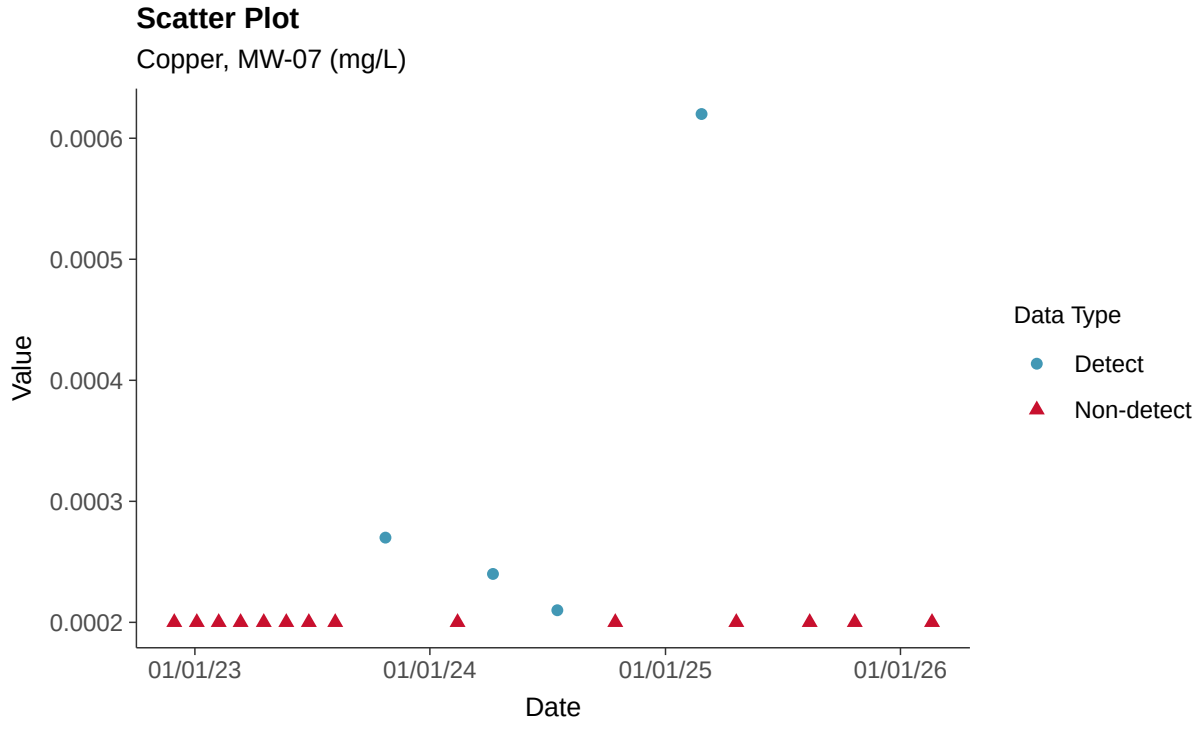
Boxplot by Season

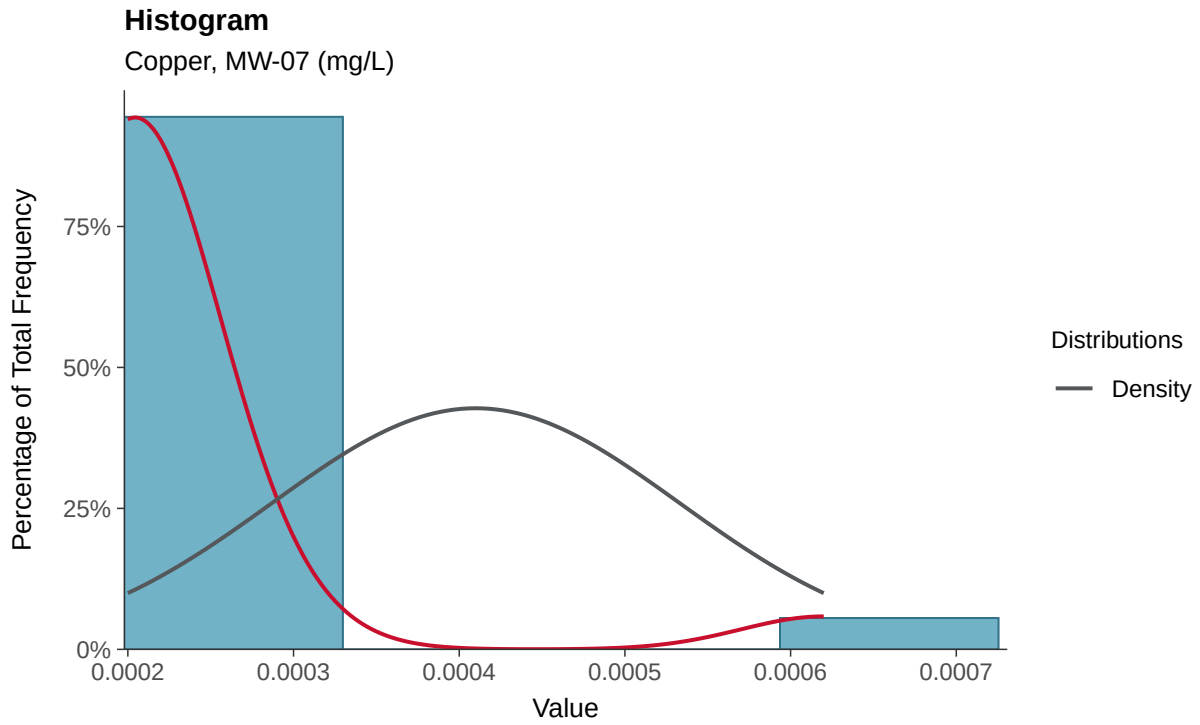
Thallium, MW-07 (mg/L)



Part 115: Copper, MW-07

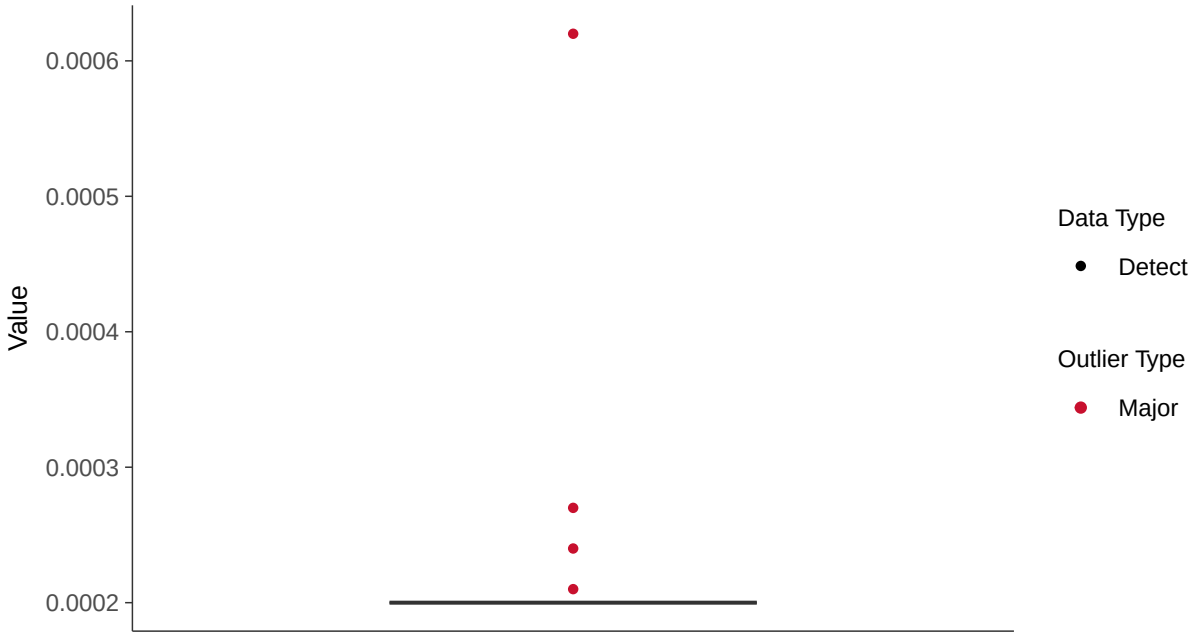
ID: 17_1_5_111





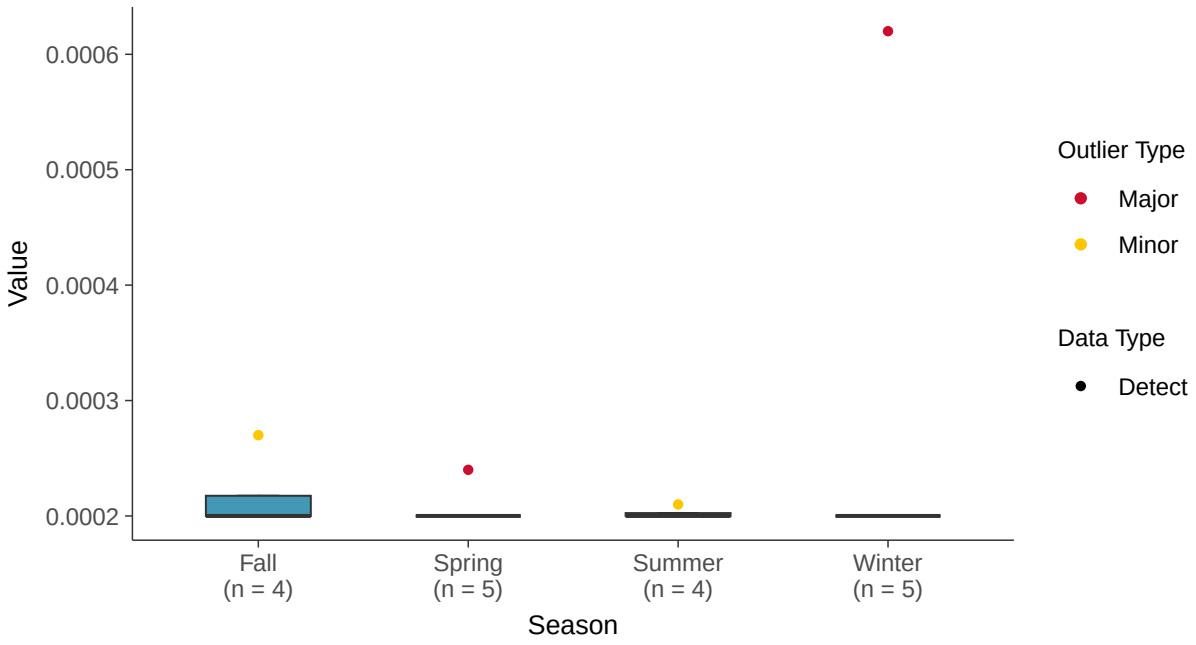
Boxplot

Copper, MW-07 (mg/L)



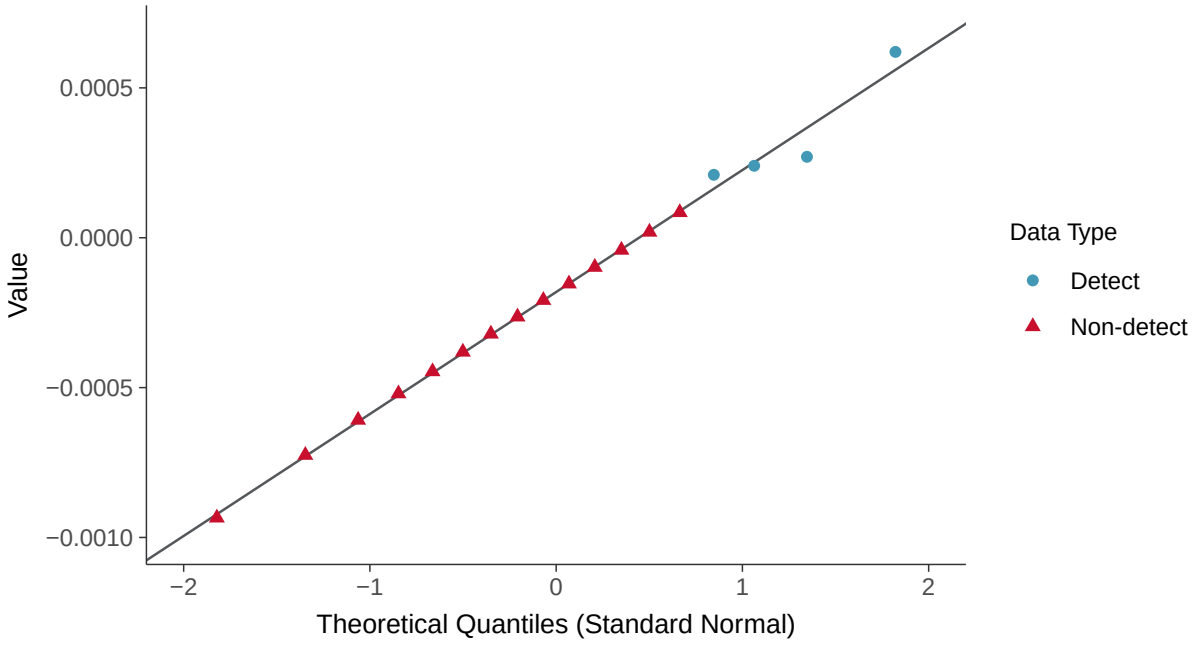
Boxplot by Season

Copper, MW-07 (mg/L)



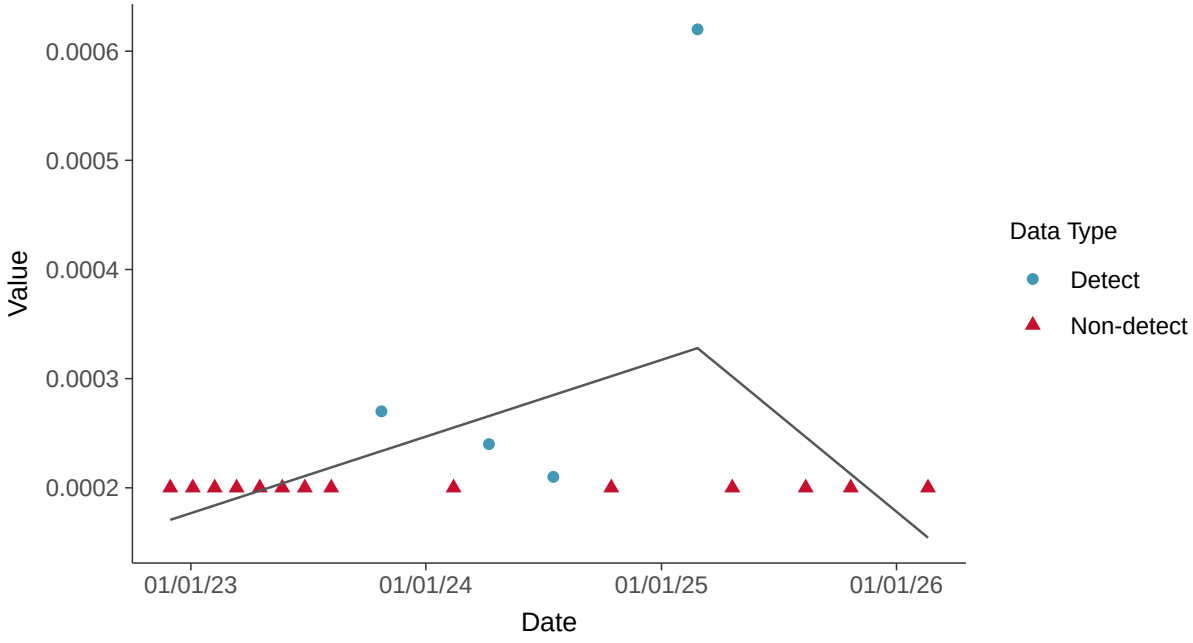
Normal Q-Q plot using ROS Imputed Estimates

Copper, MW-07 (mg/L)



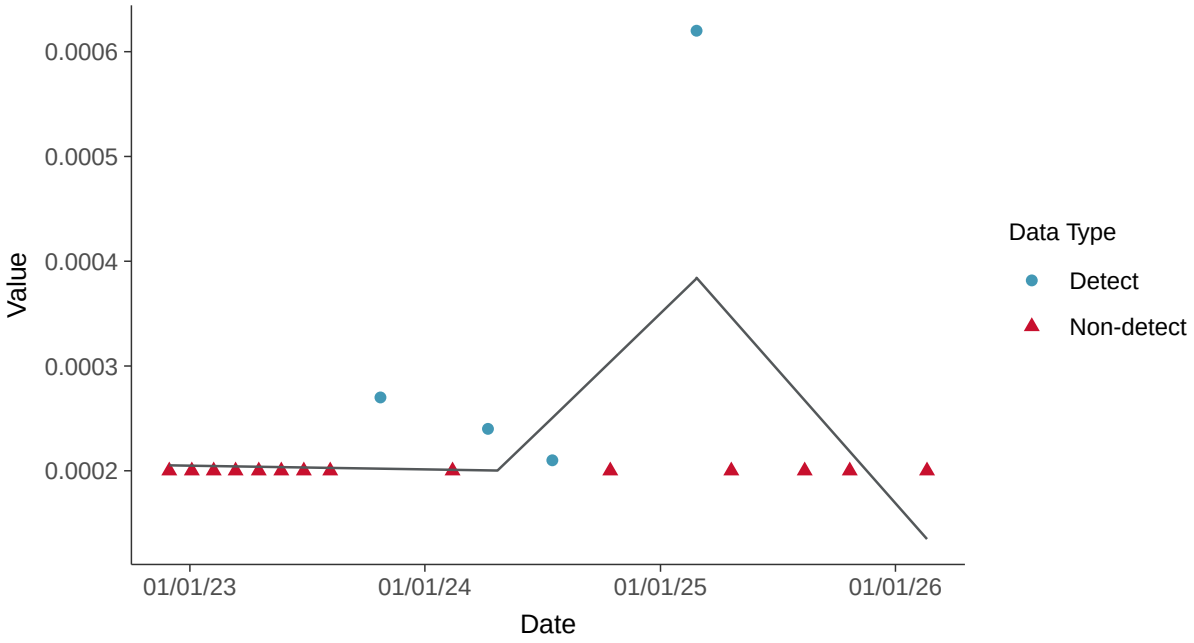
Trend Regression: Piecewise Linear-Linear

Copper, MW-07 (mg/L)



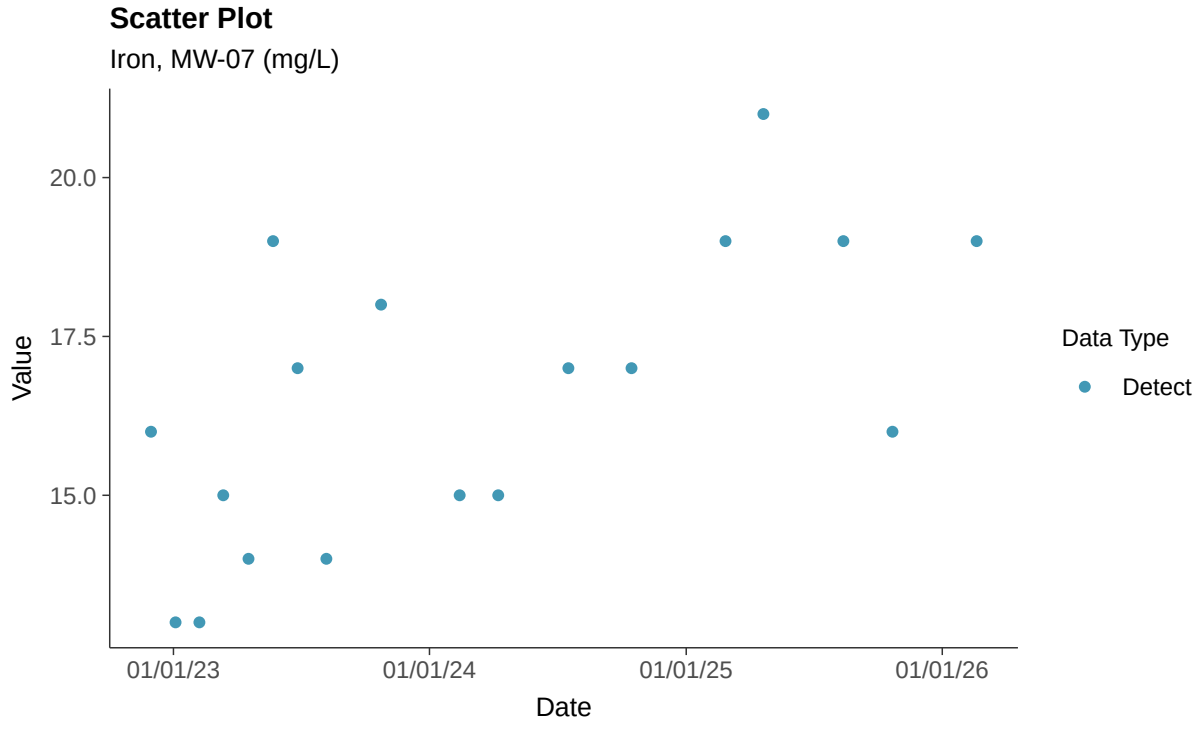
Trend Regression: Piecewise Linear-Linear-Linear

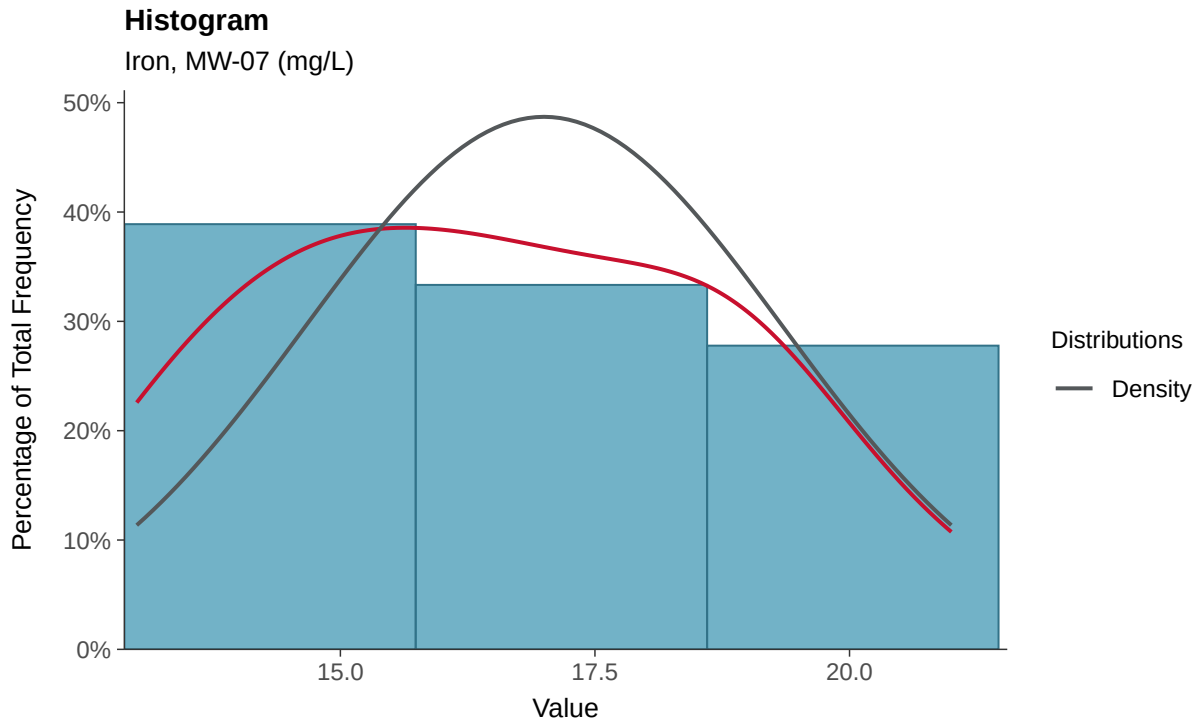
Copper, MW-07 (mg/L)



Part 115: Iron, MW-07

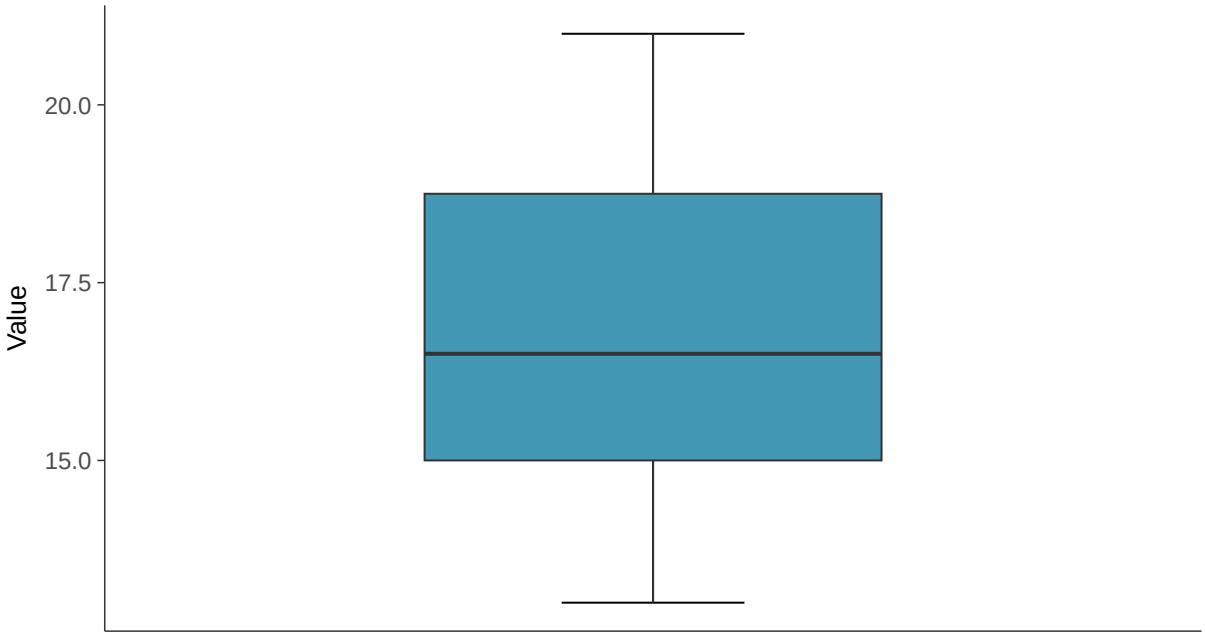
ID: 17_1_5_114





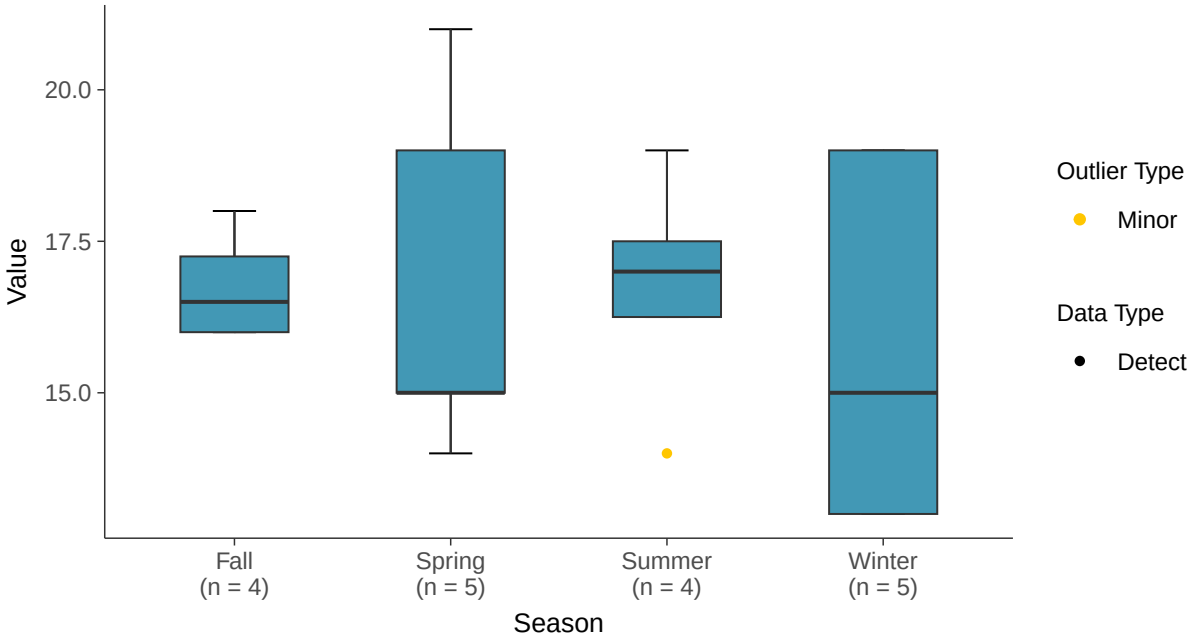
Boxplot

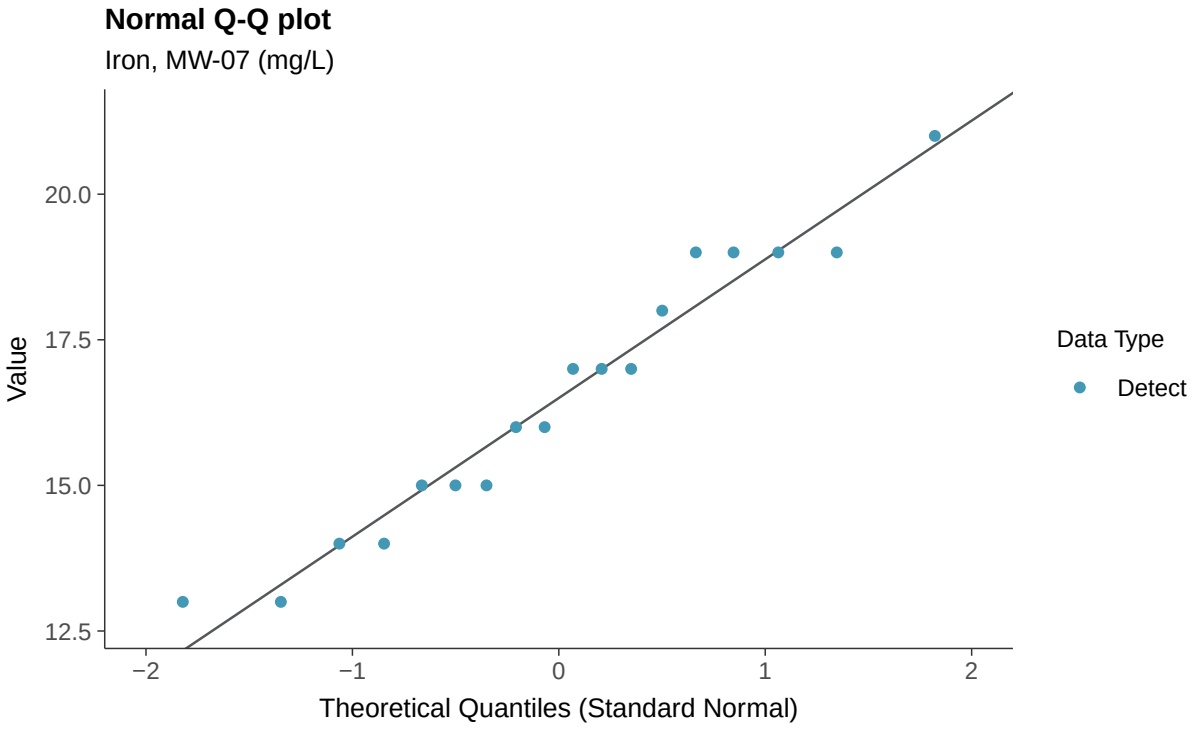
Iron, MW-07 (mg/L)

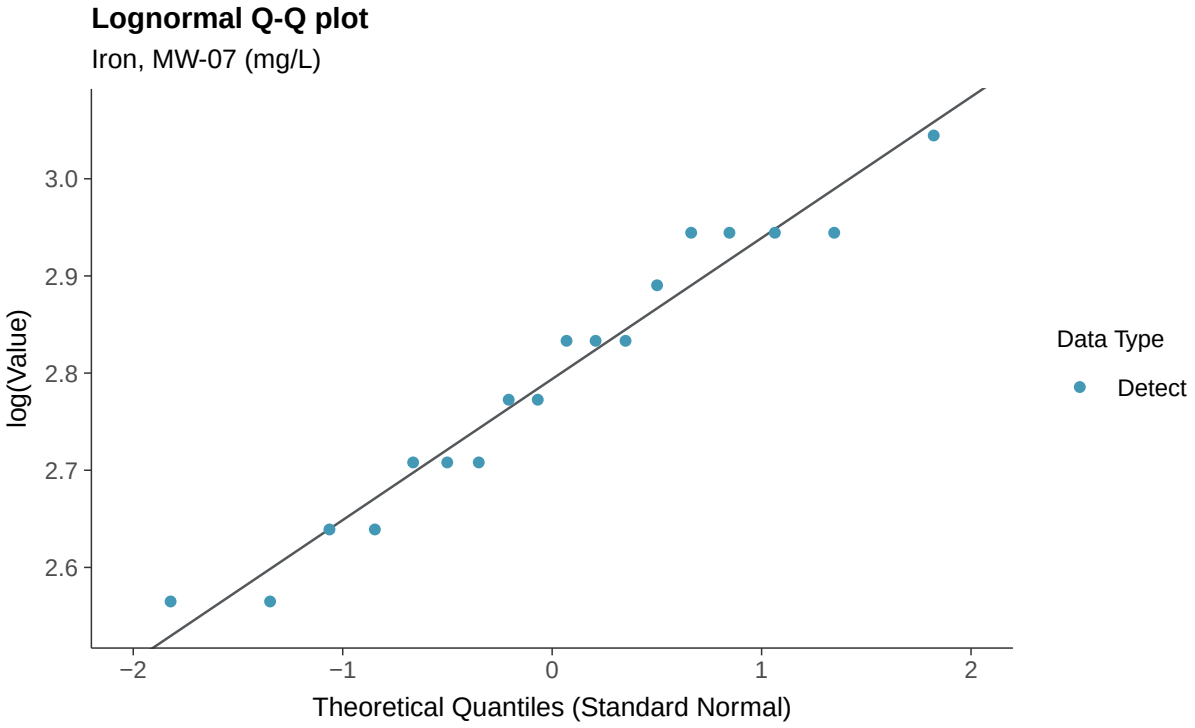


Boxplot by Season

Iron, MW-07 (mg/L)

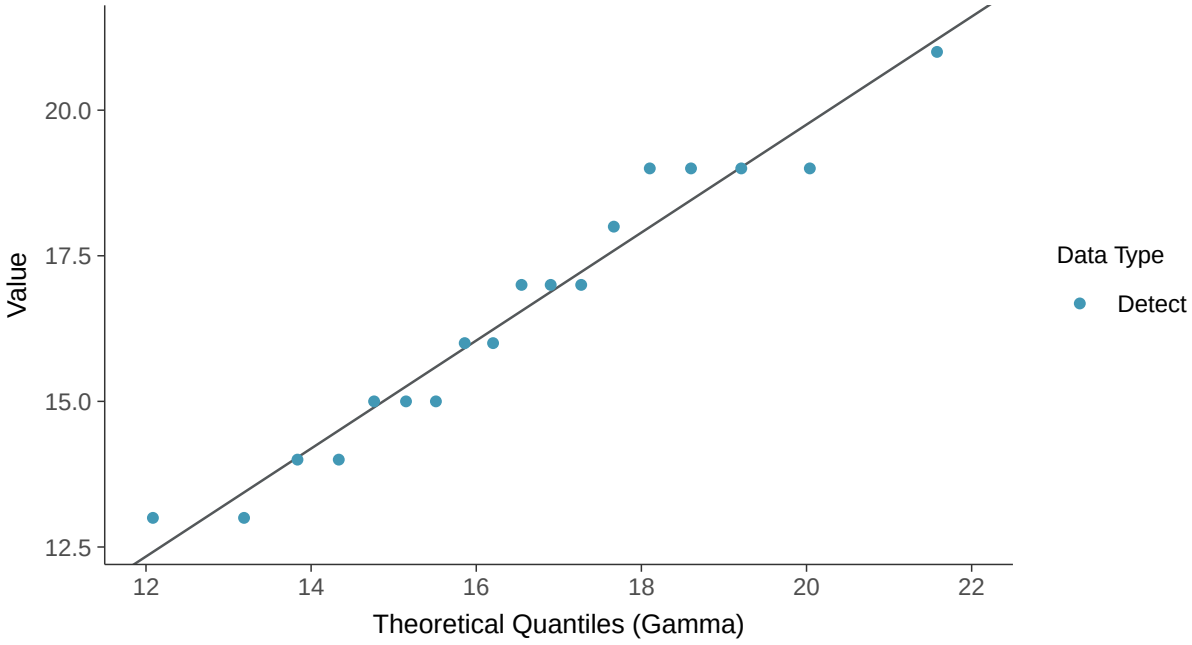



Normal Q-Q plot
Iron, MW-07 (mg/L)
Value
20.0
17.5
15.0
12.5
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Iron, MW-07 (mg/L)
log(Value)
3.0
2.9
2.8
2.7
2.6
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

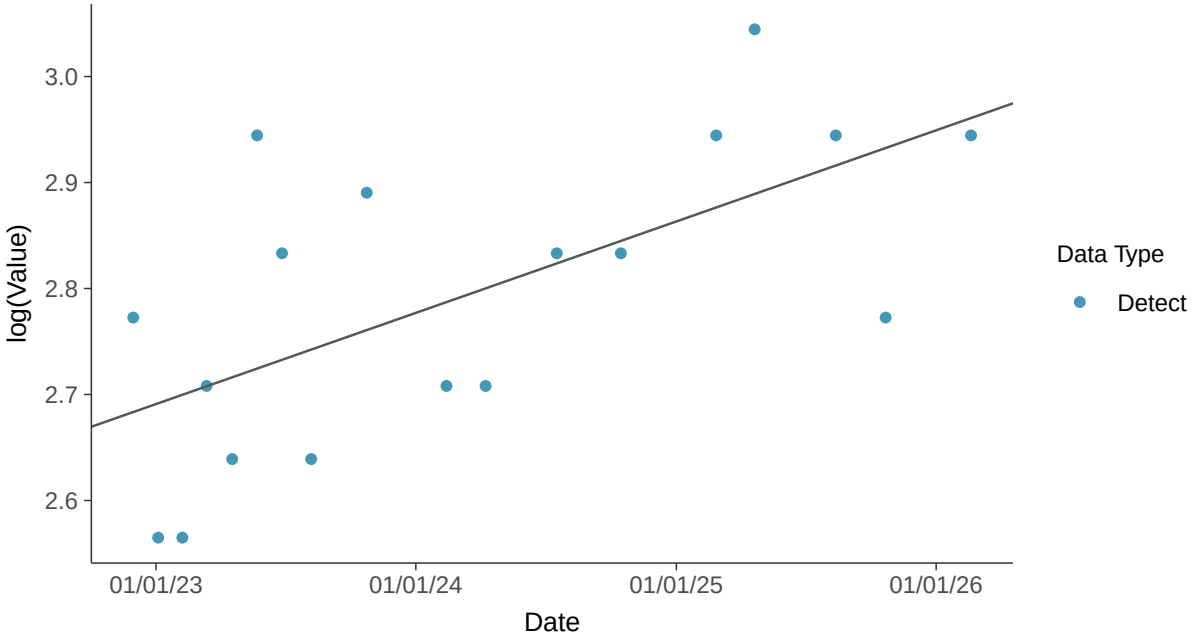
Gamma Q-Q plot

Iron, MW-07 (mg/L)



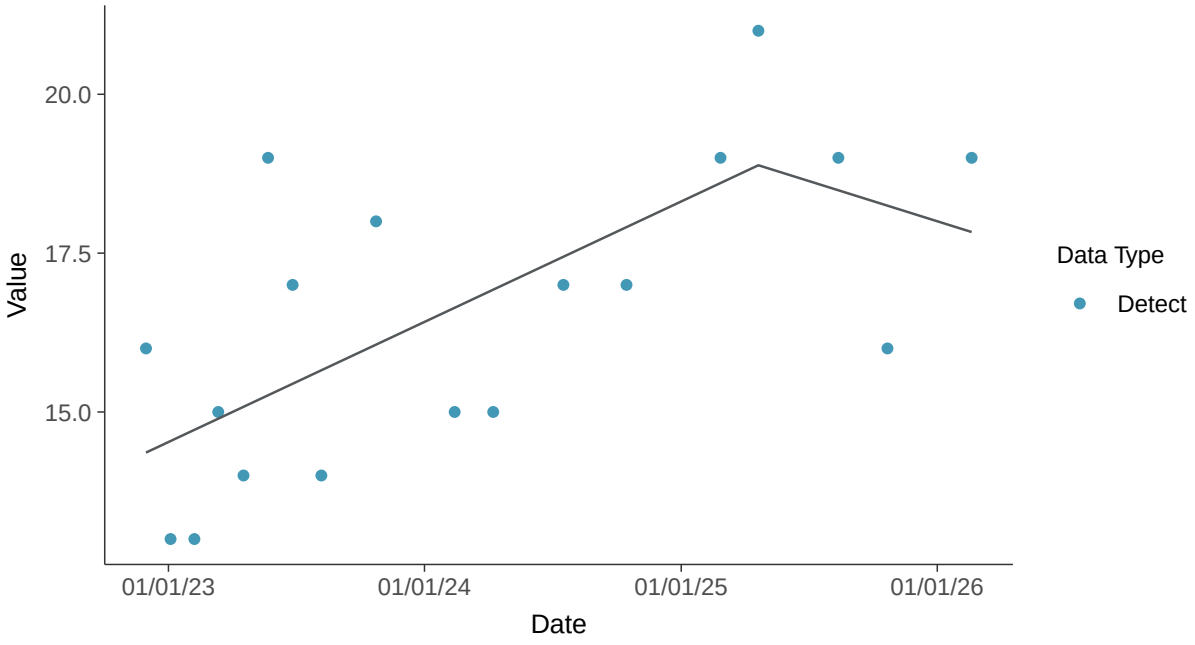
Trend Regression: Lognormal MLE

Iron, MW-07 (mg/L)



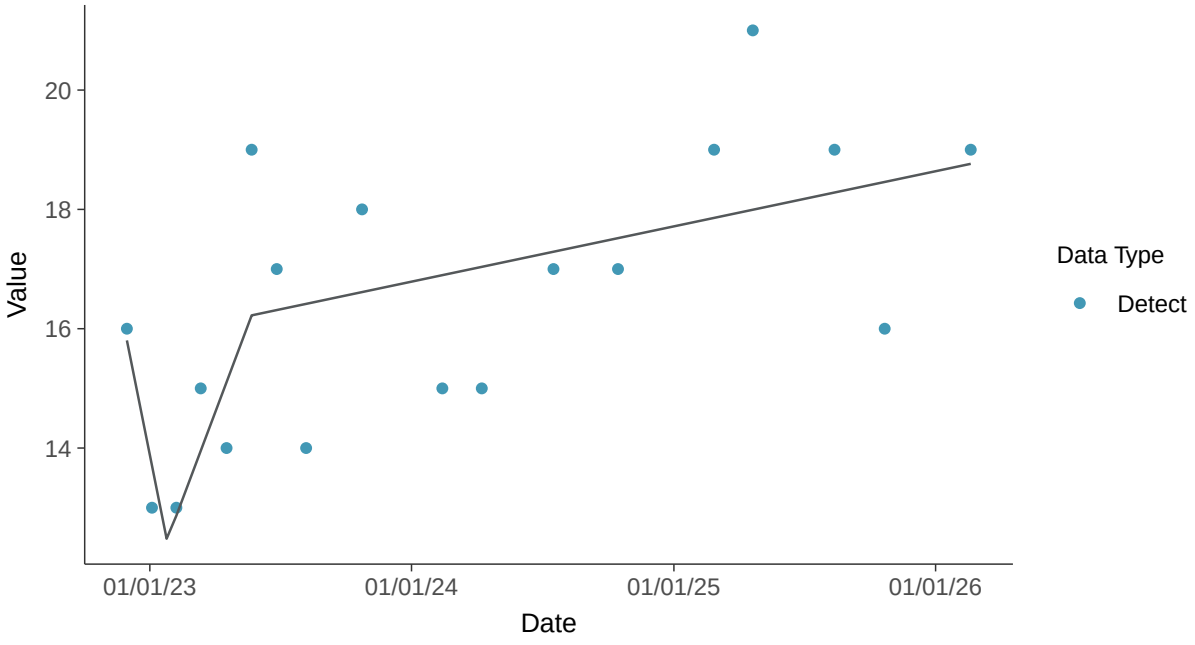
Trend Regression: Piecewise Linear-Linear

Iron, MW-07 (mg/L)



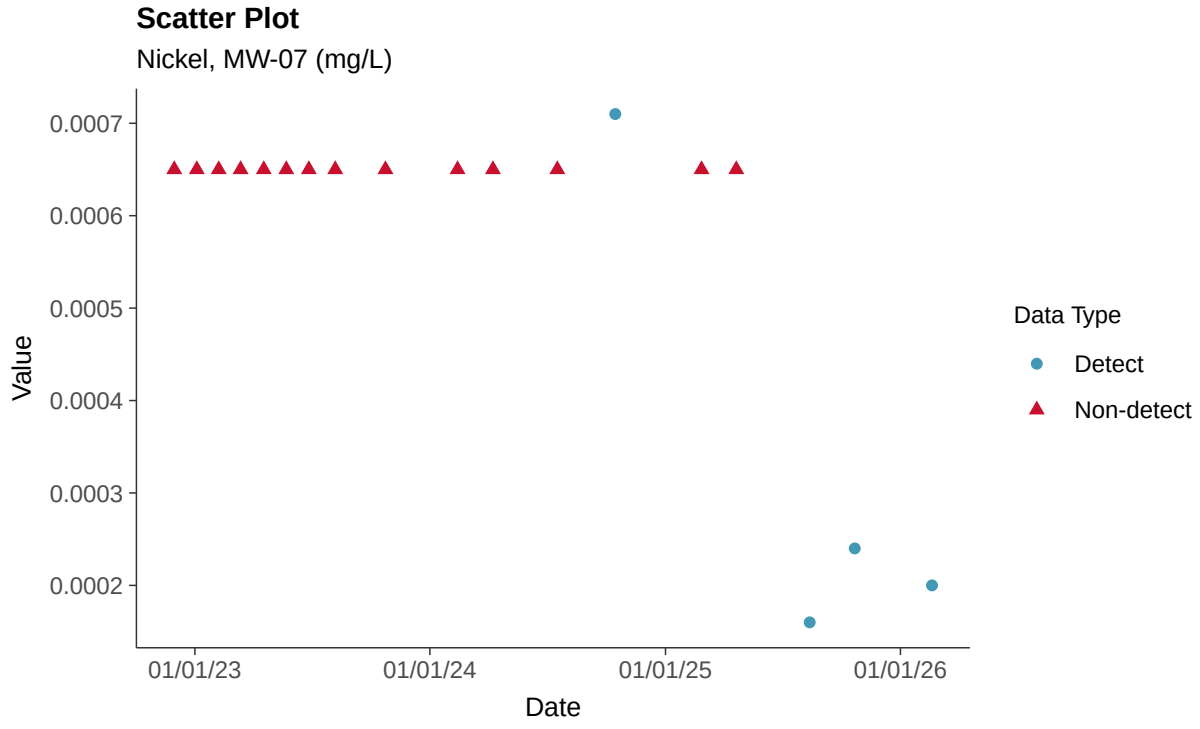
Trend Regression: Piecewise Linear-Linear-Linear

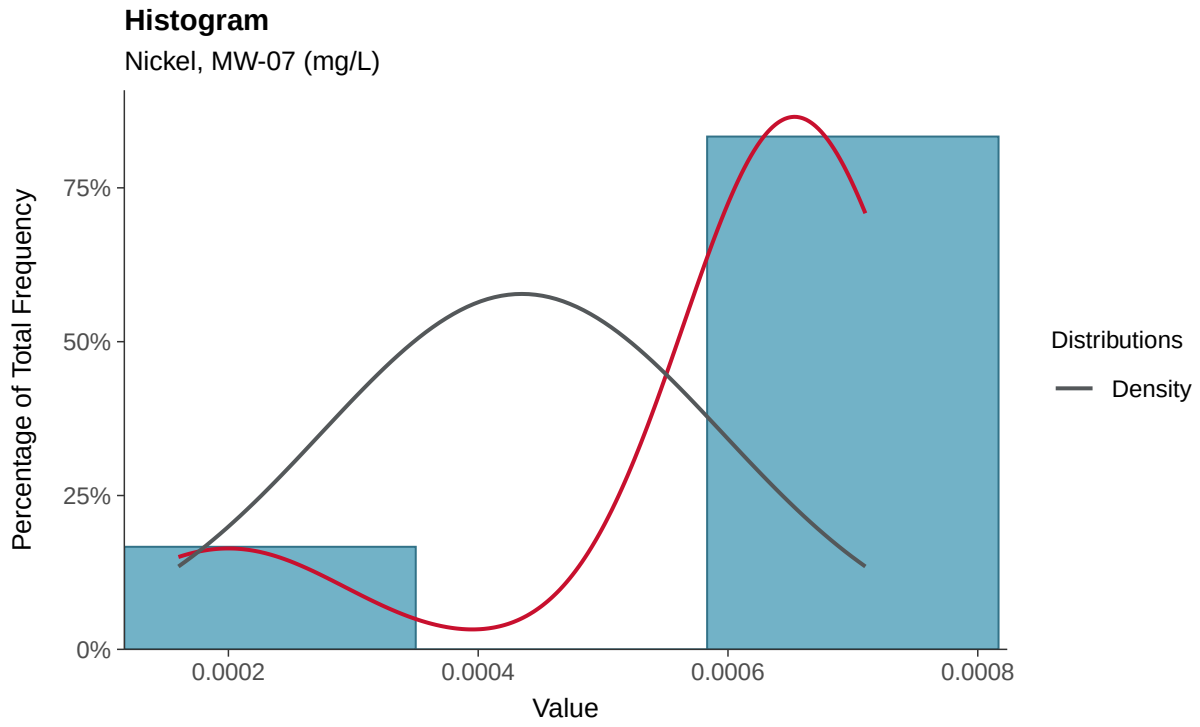
Iron, MW-07 (mg/L)



Part 115: Nickel, MW-07

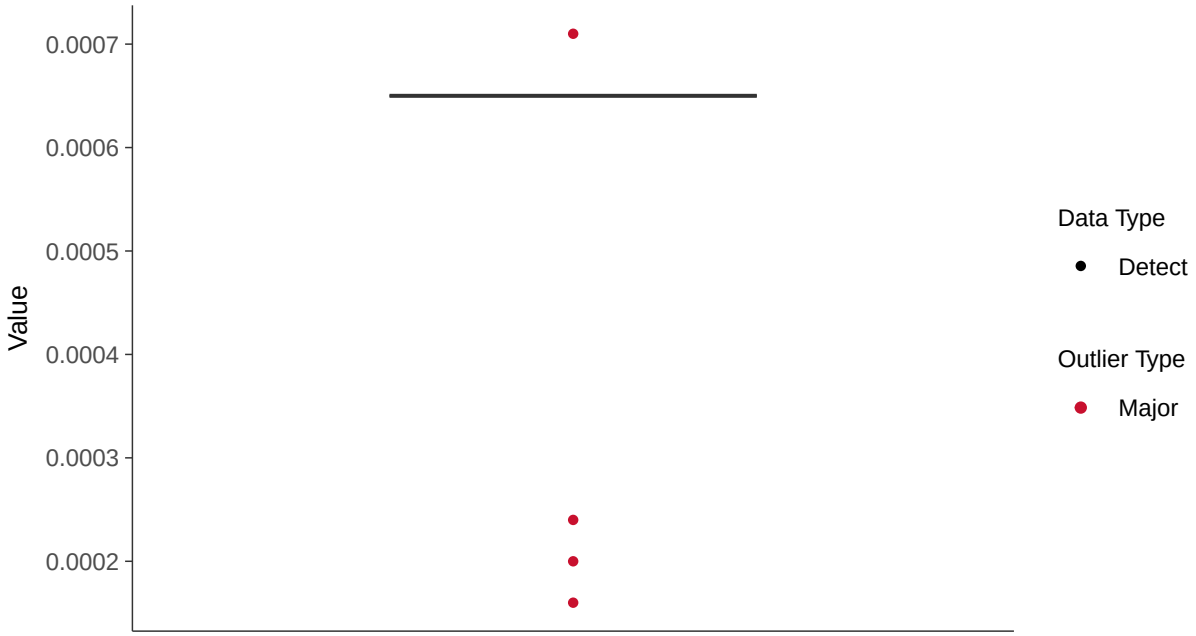
ID: 17_1_5_119





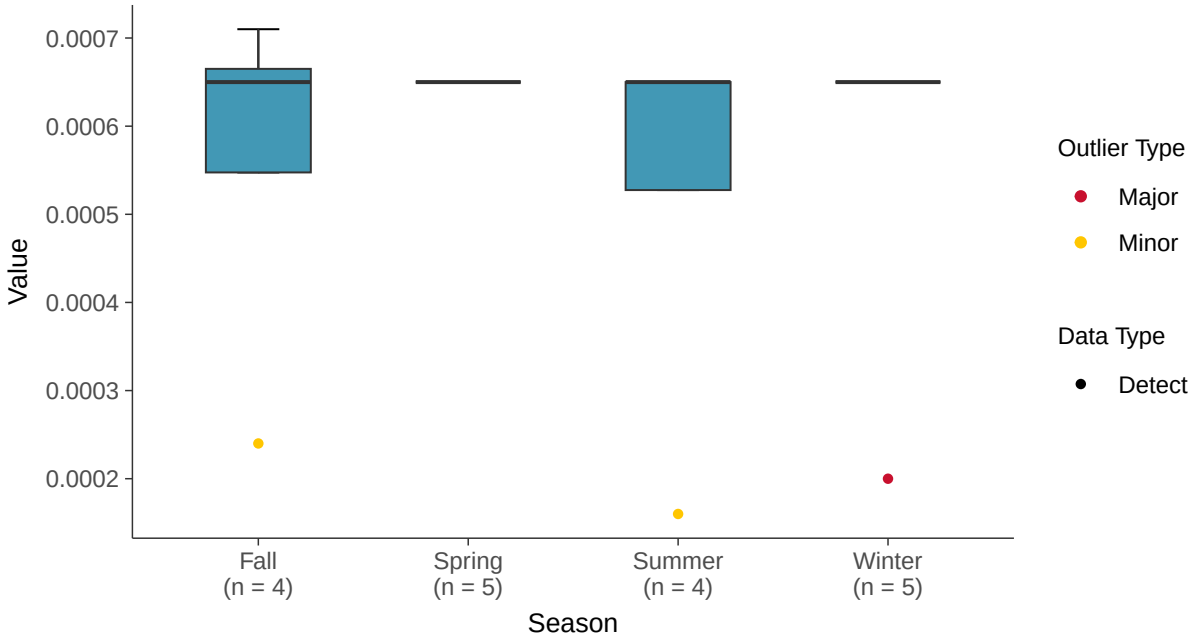
Boxplot

Nickel, MW-07 (mg/L)



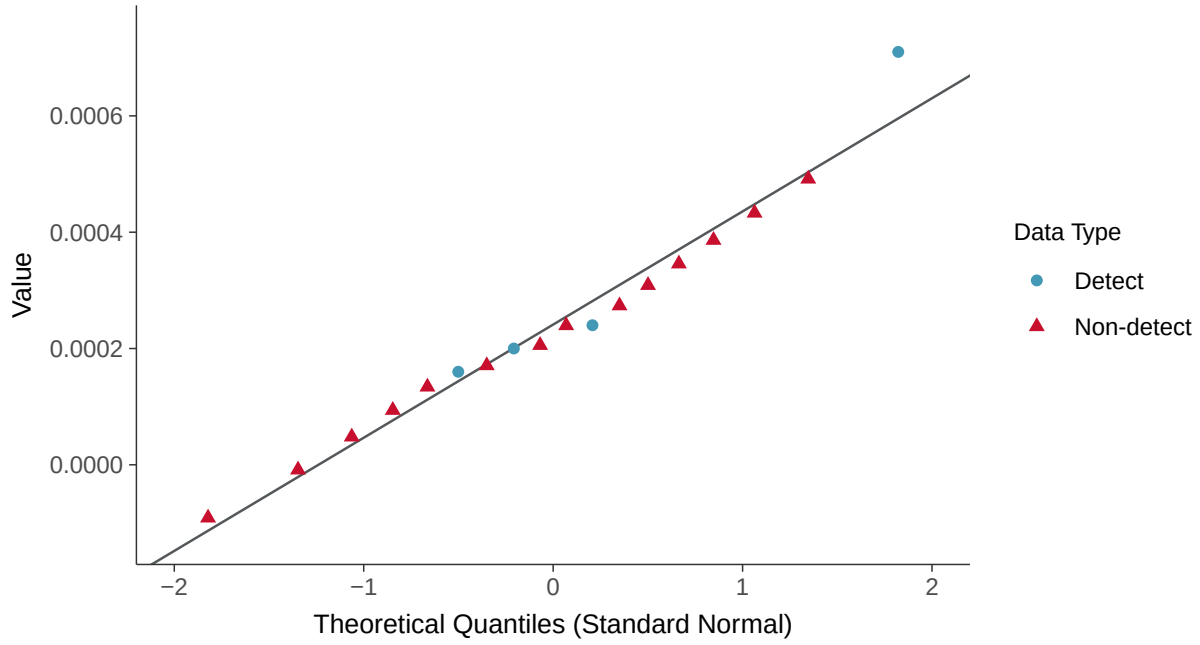
Boxplot by Season

Nickel, MW-07 (mg/L)



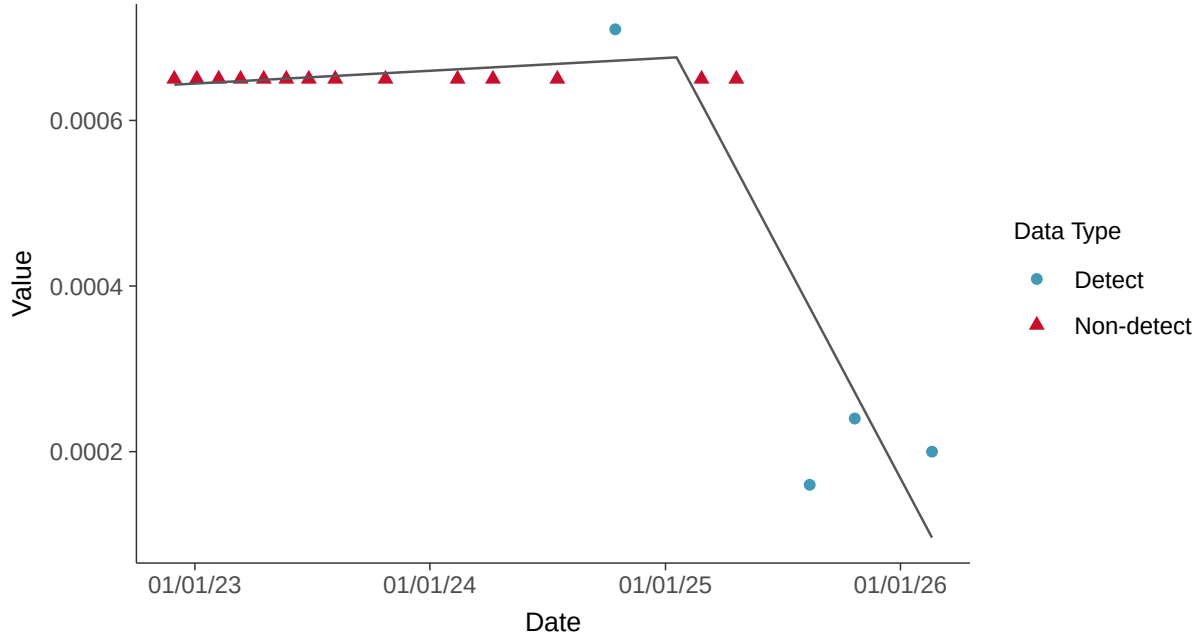
Normal Q-Q plot using ROS Imputed Estimates

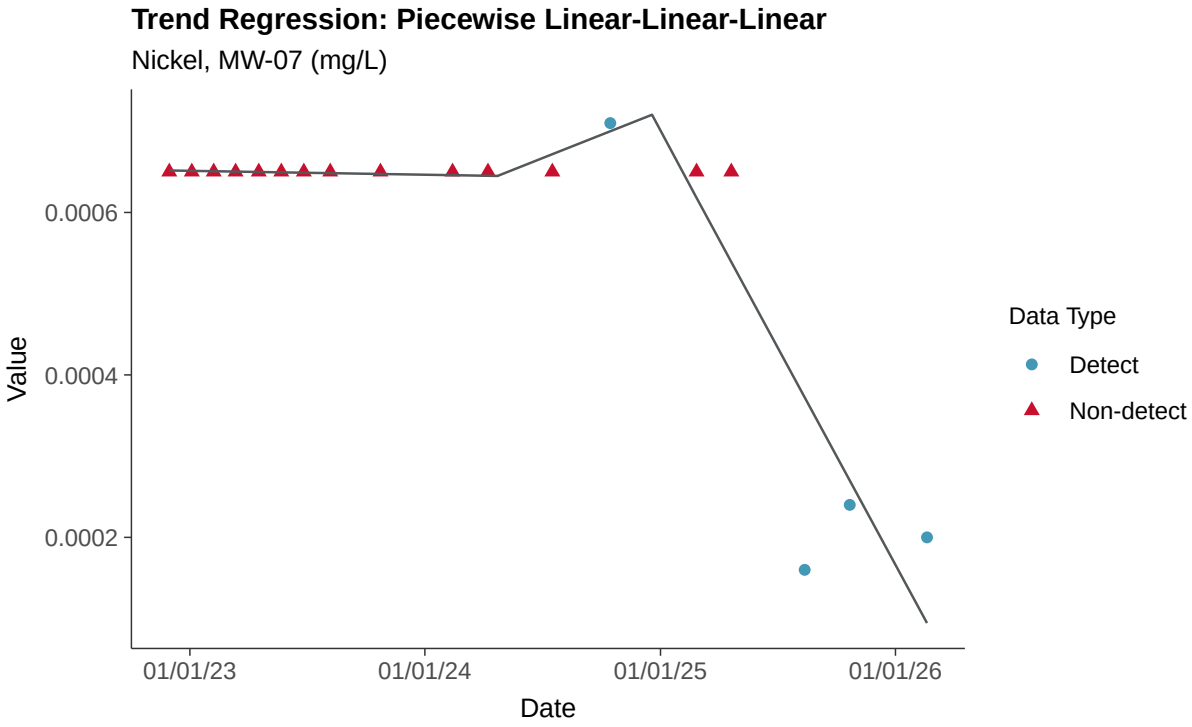
Nickel, MW-07 (mg/L)



Trend Regression: Piecewise Linear-Linear

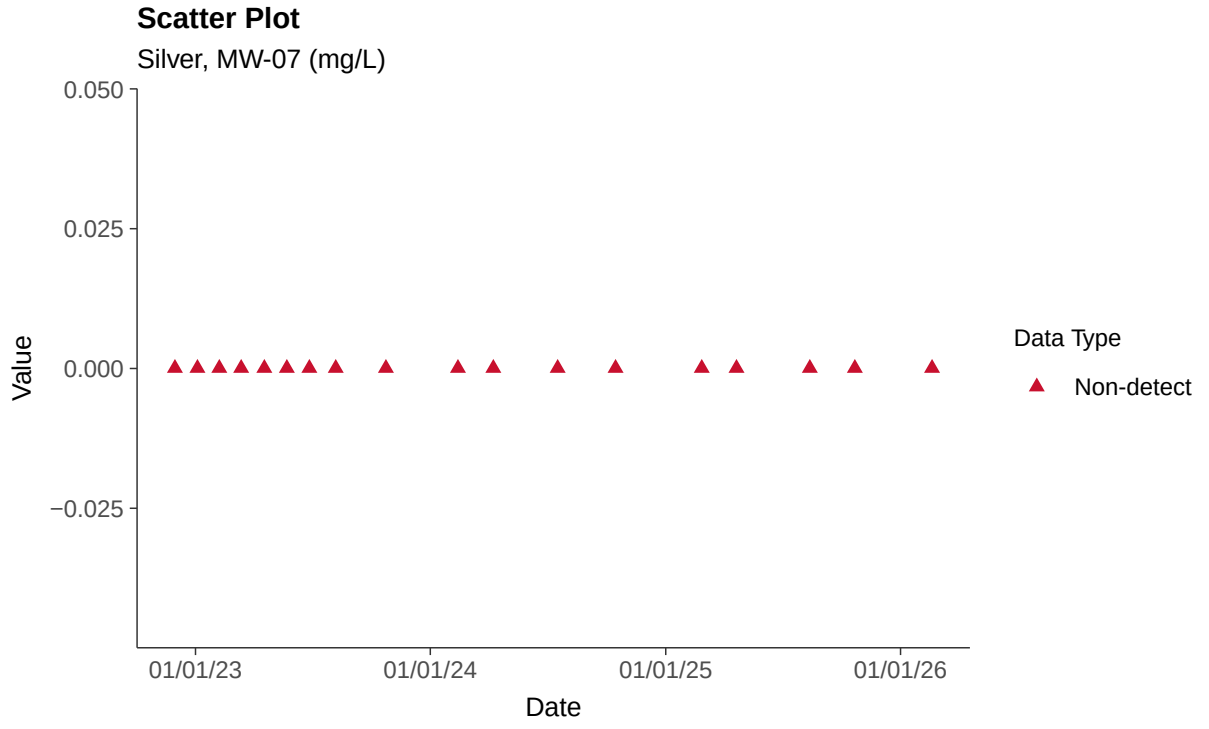
Nickel, MW-07 (mg/L)

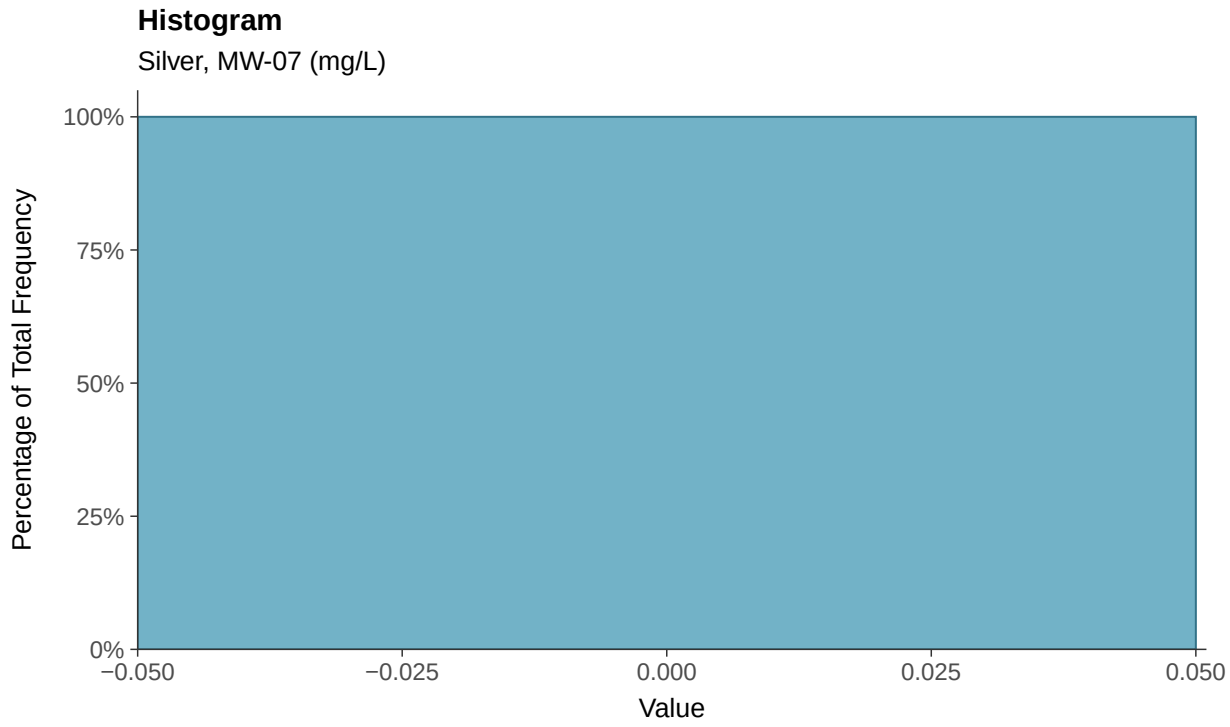



Trend Regression: Piecewise Linear-Linear-Linear
Nickel, MW-07 (mg/L)
Value
0.0006
0.0004
0.0002
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Silver, MW-07

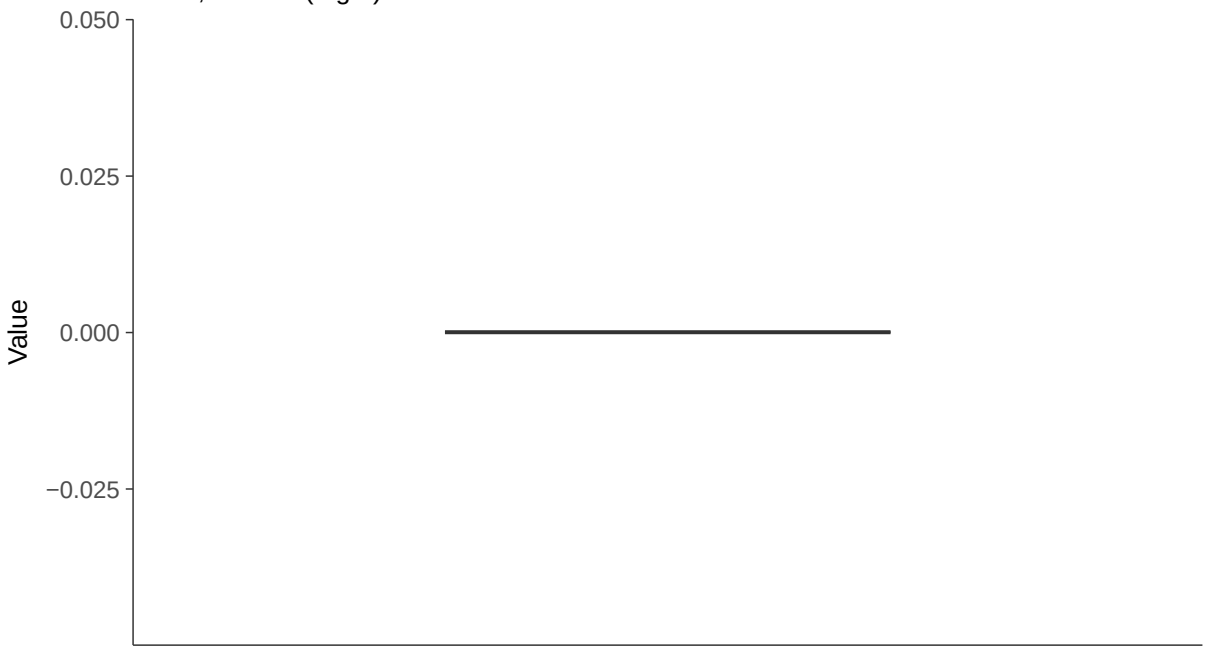
ID: 17_1_5_123





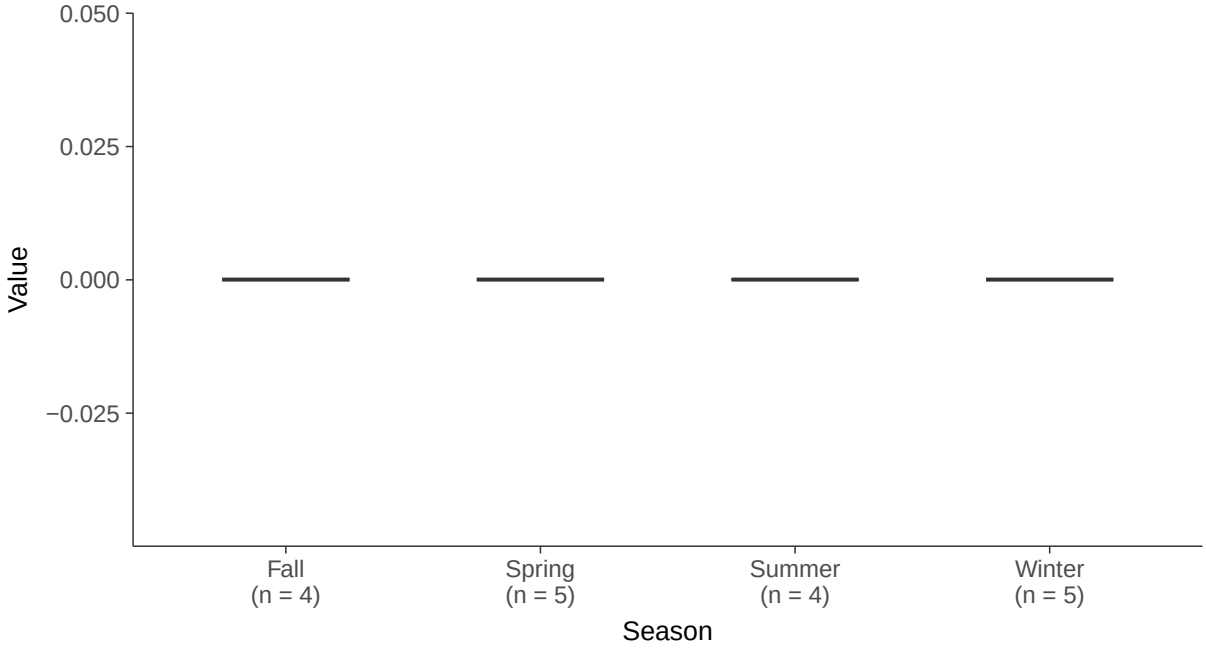
Boxplot

Silver, MW-07 (mg/L)



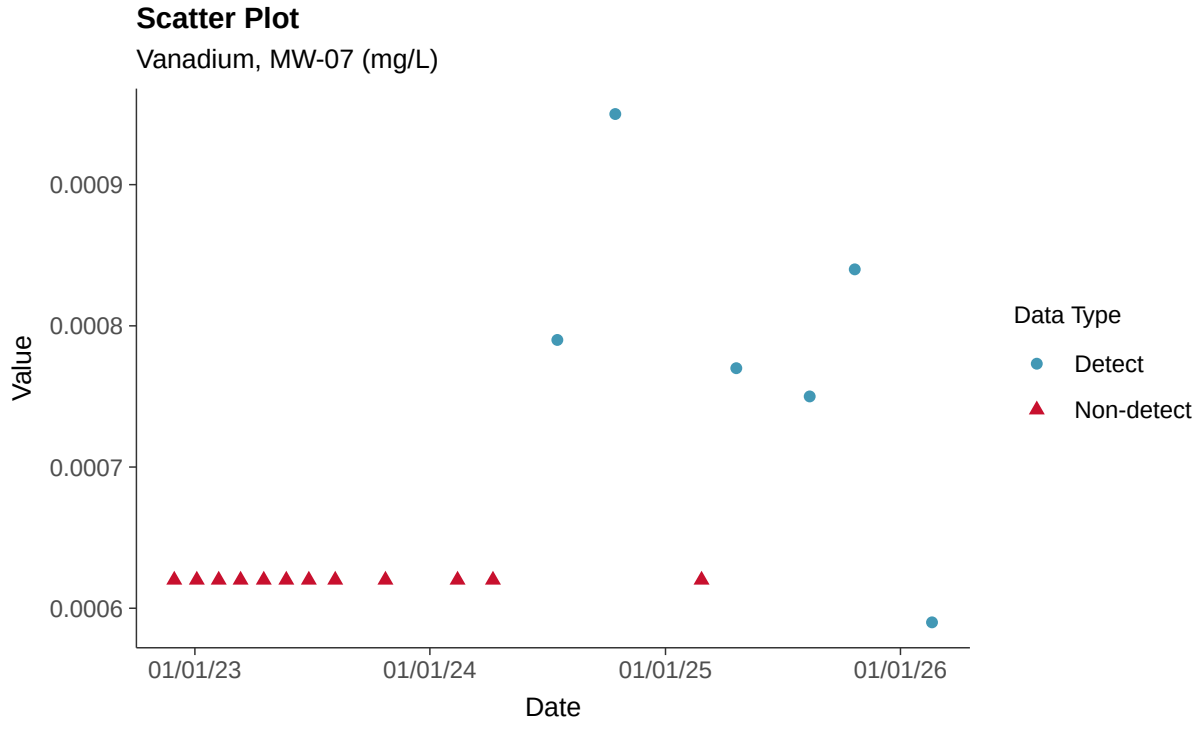
Boxplot by Season

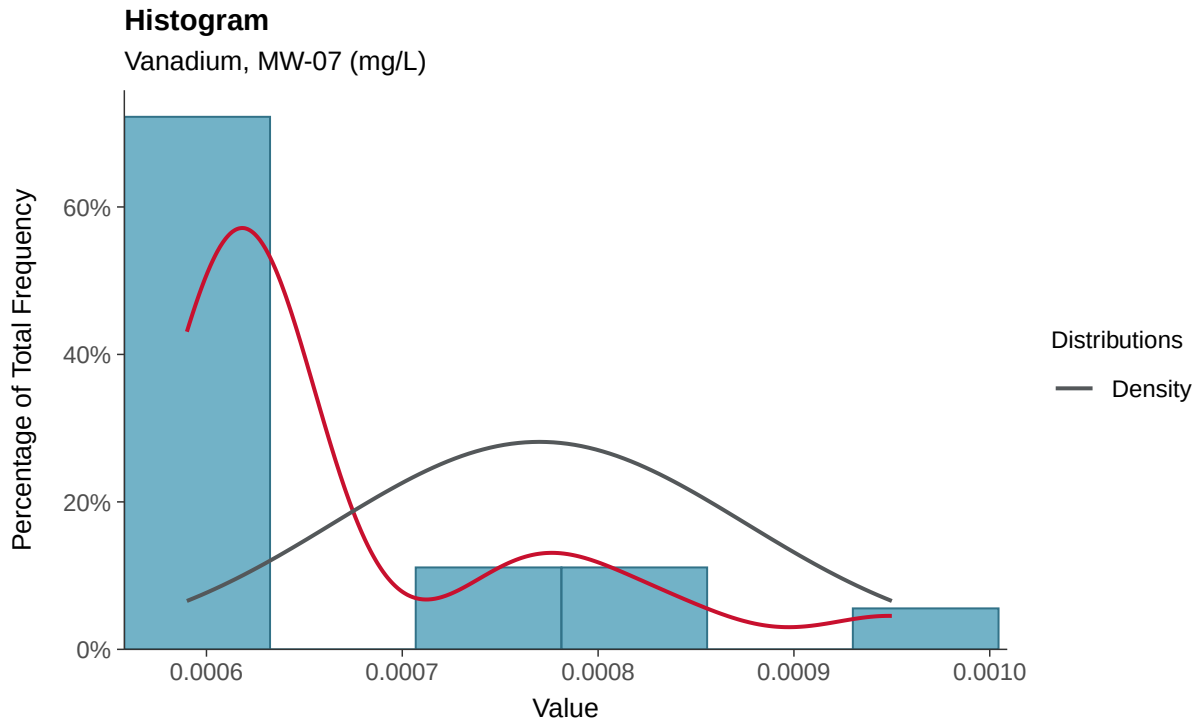
Silver, MW-07 (mg/L)



Part 115: Vanadium, MW-07

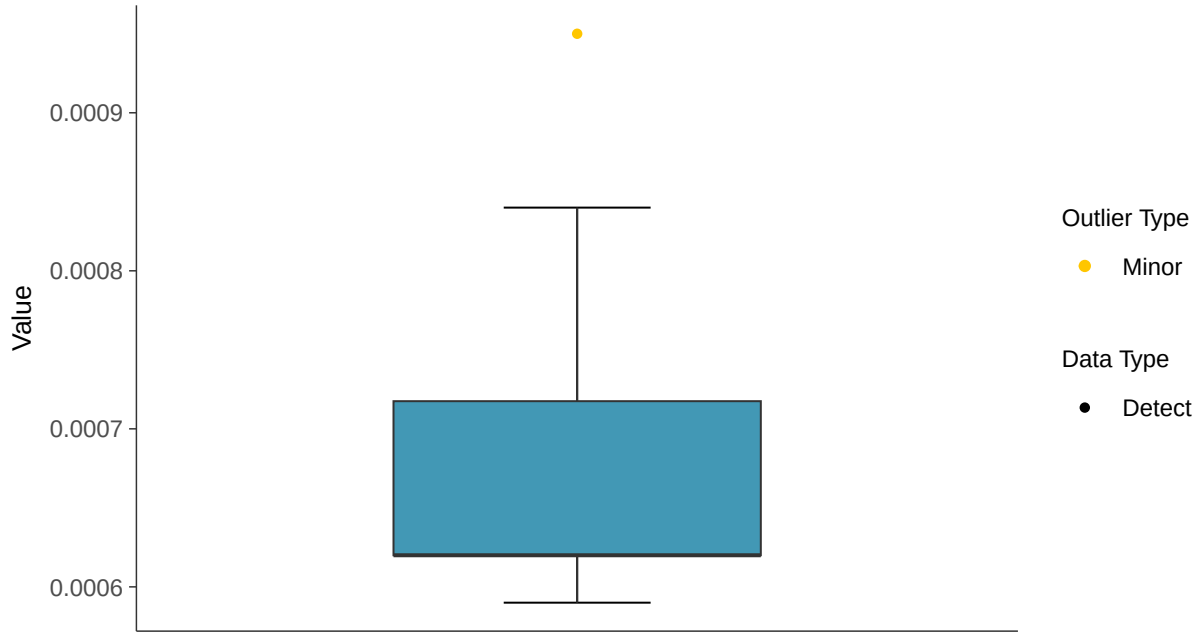
ID: 17_1_5_128





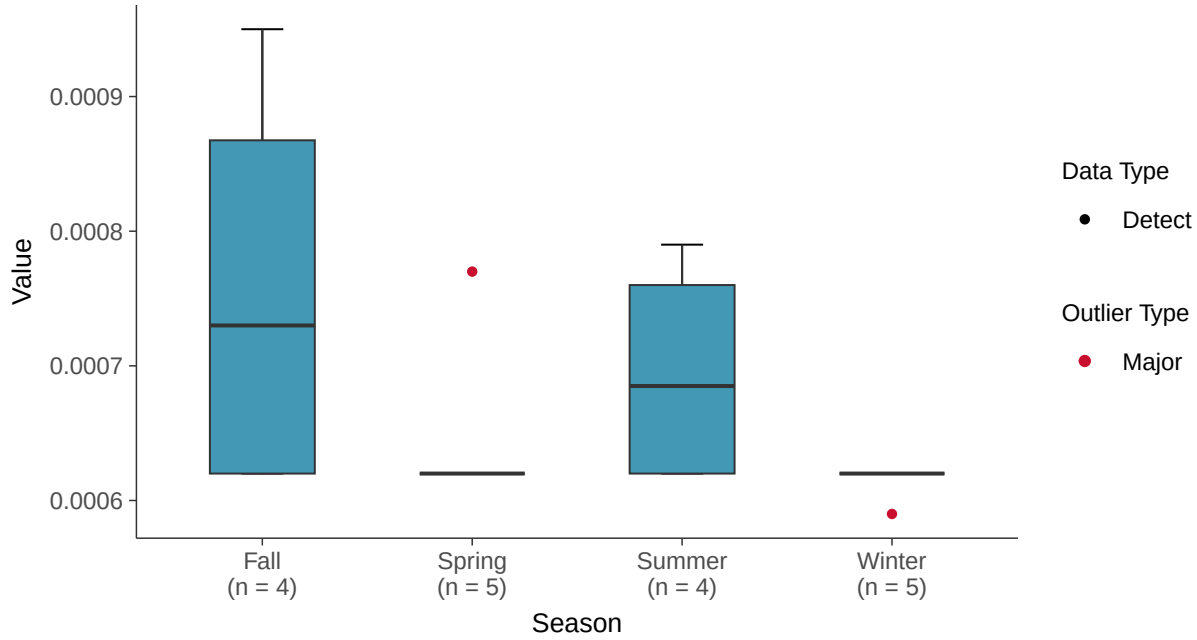
Boxplot

Vanadium, MW-07 (mg/L)



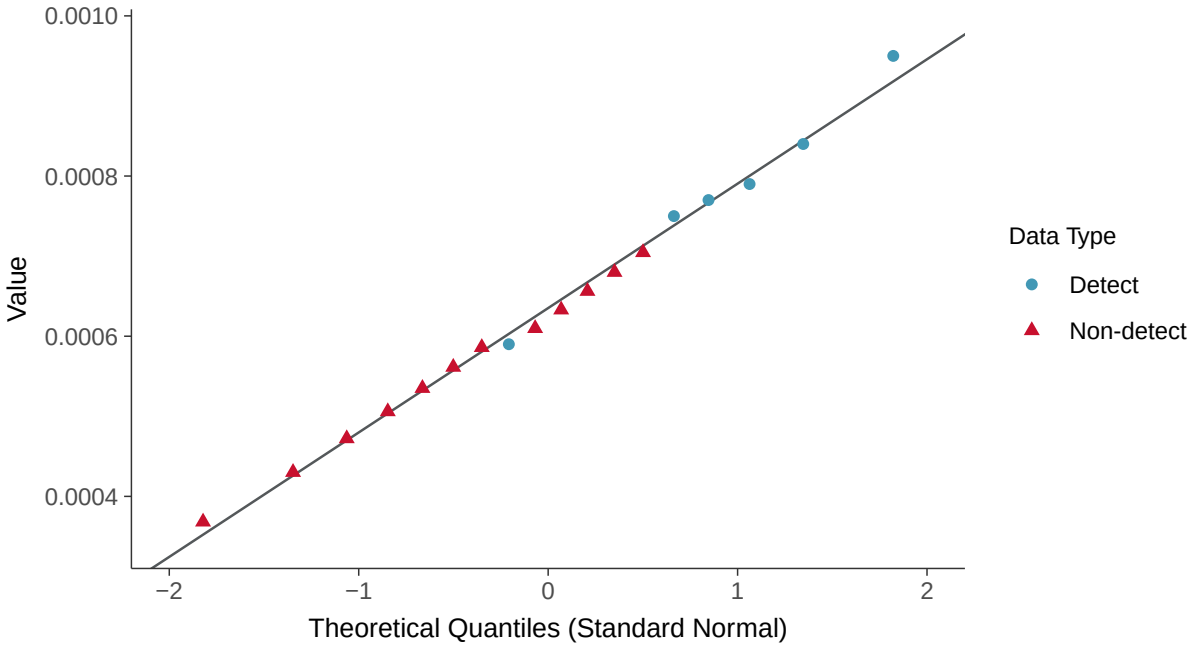
Boxplot by Season

Vanadium, MW-07 (mg/L)



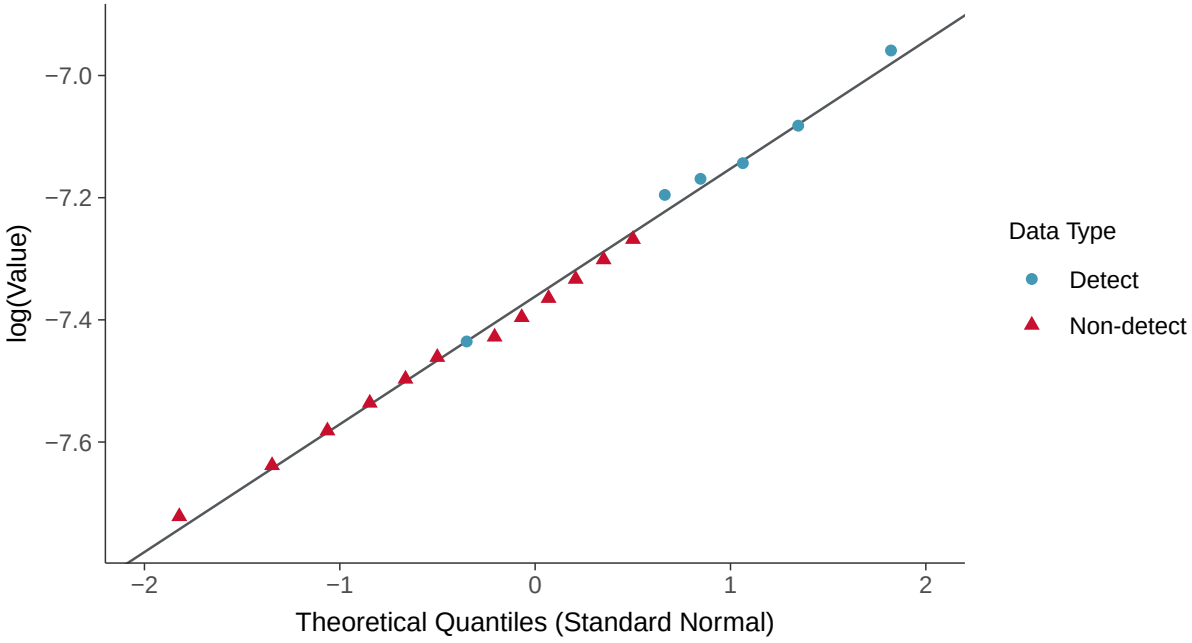
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-07 (mg/L)



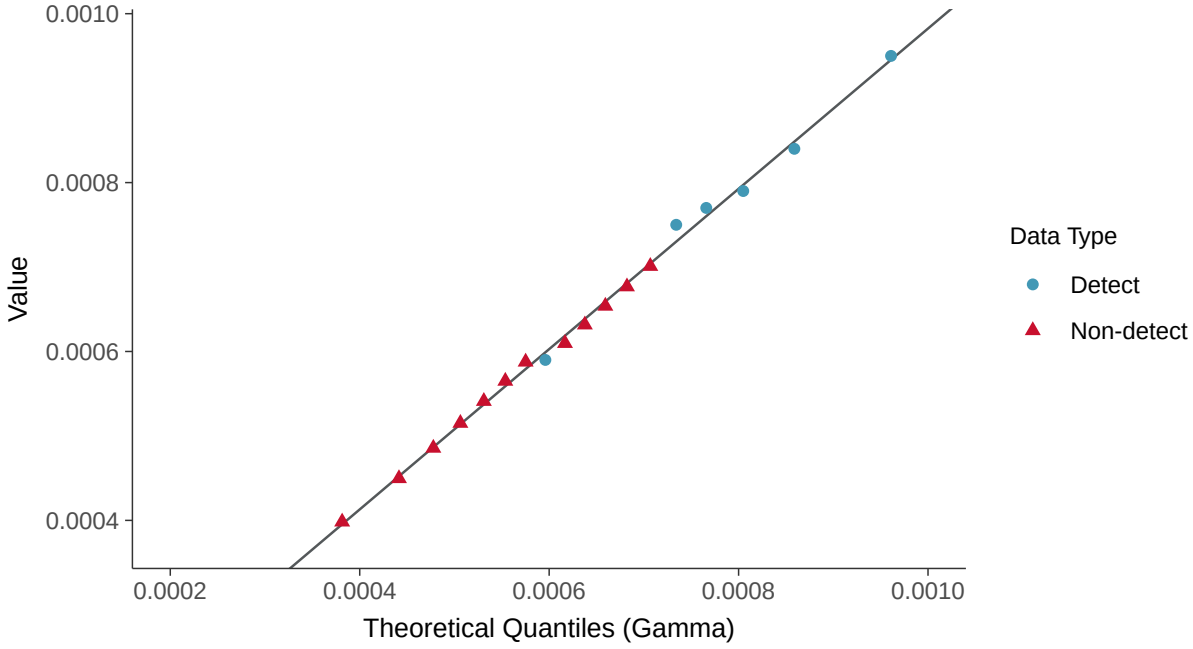
Lognormal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-07 (mg/L)



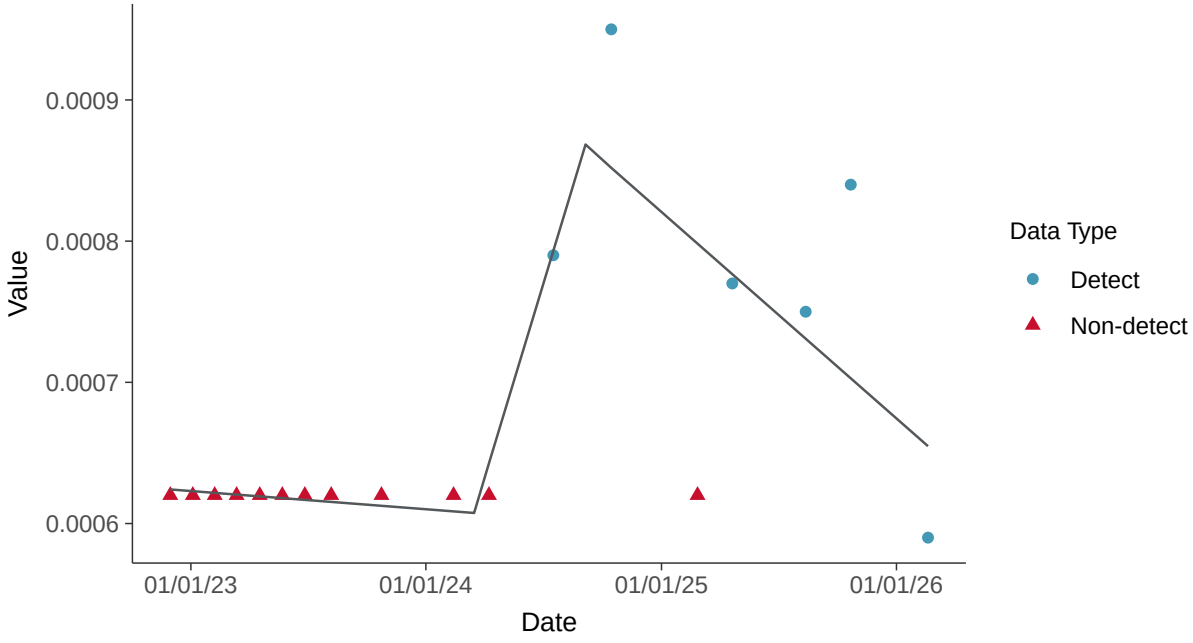
Gamma Q-Q plot using ROS Imputed Estimates

Vanadium, MW-07 (mg/L)



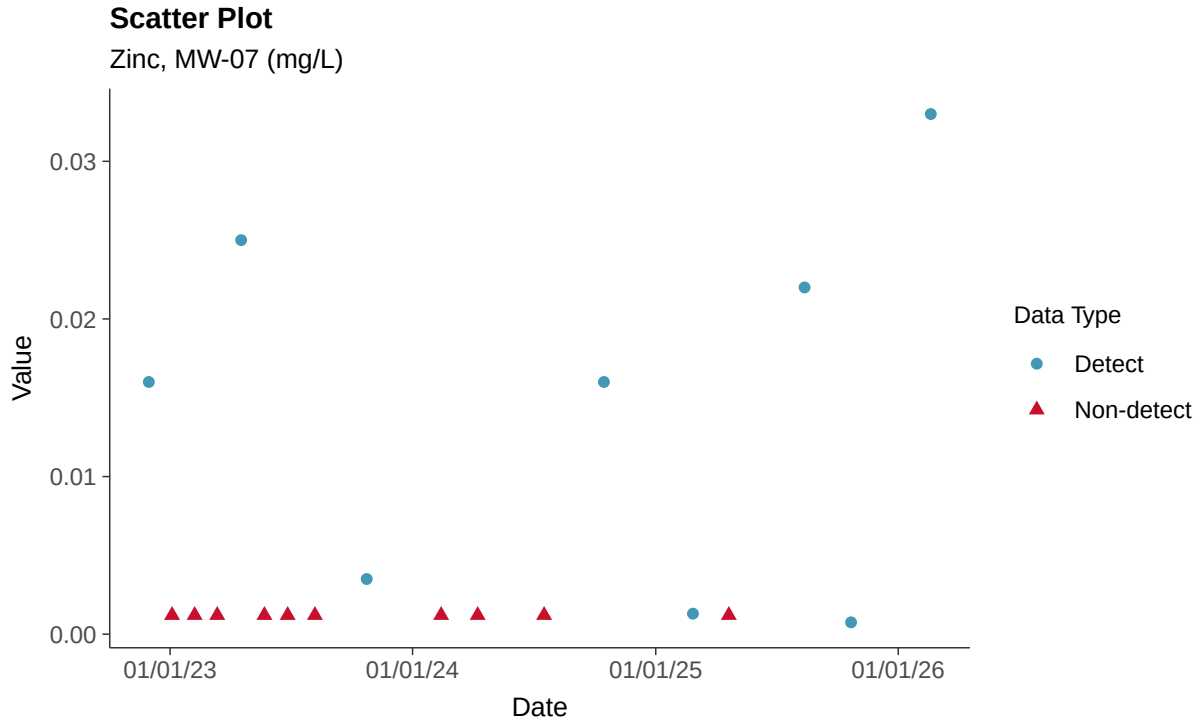
Trend Regression: Piecewise Linear-Linear-Linear

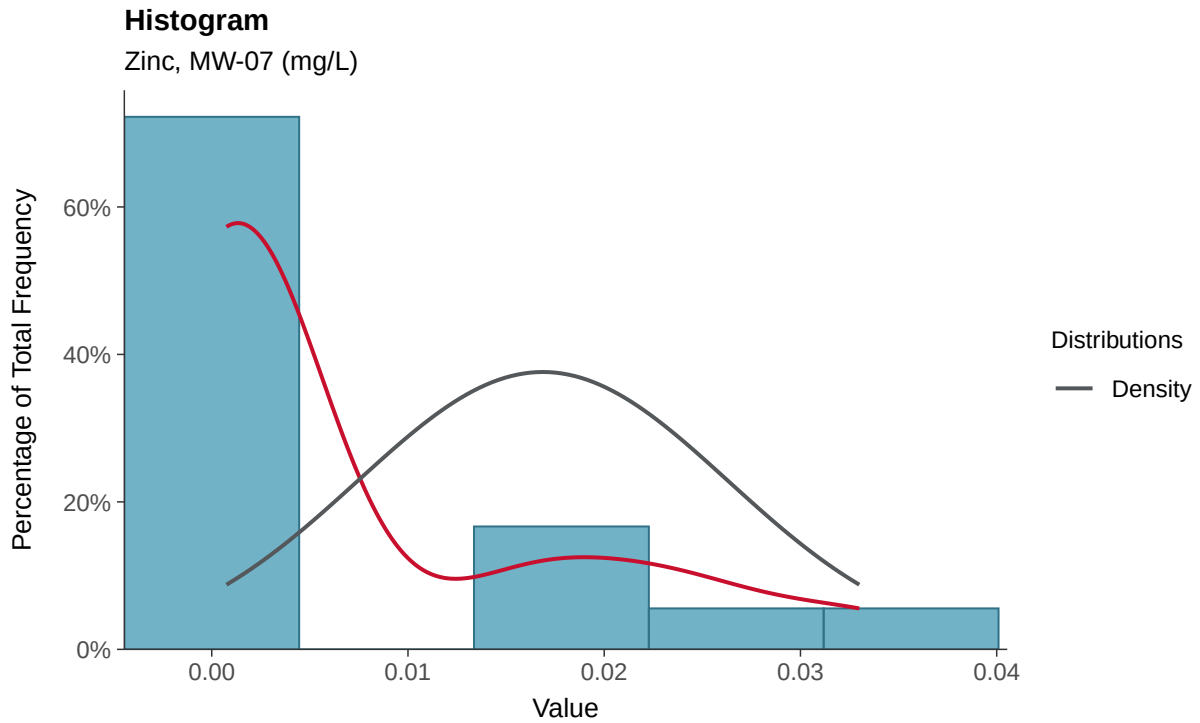
Vanadium, MW-07 (mg/L)



Part 115: Zinc, MW-07

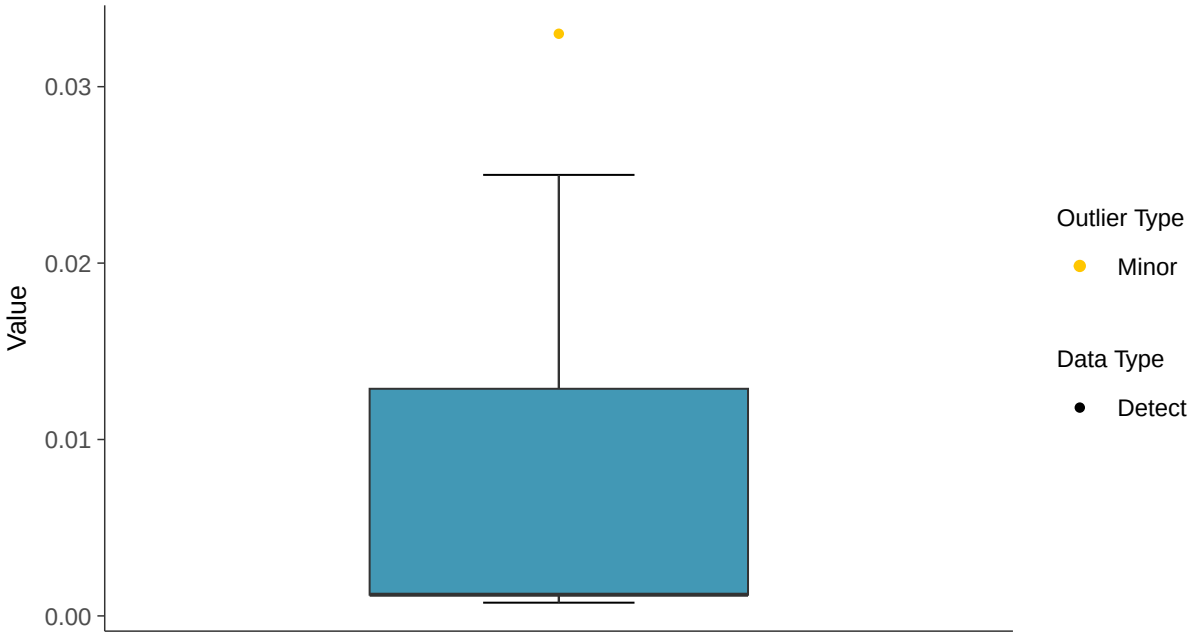
ID: 17_1_5_129





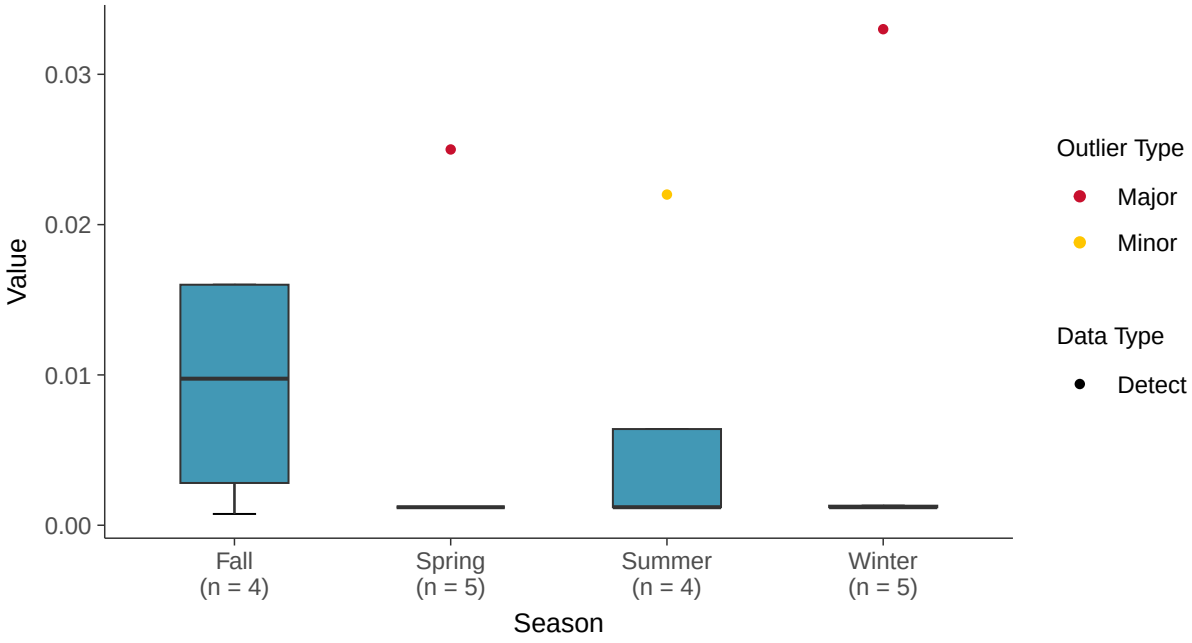
Boxplot

Zinc, MW-07 (mg/L)



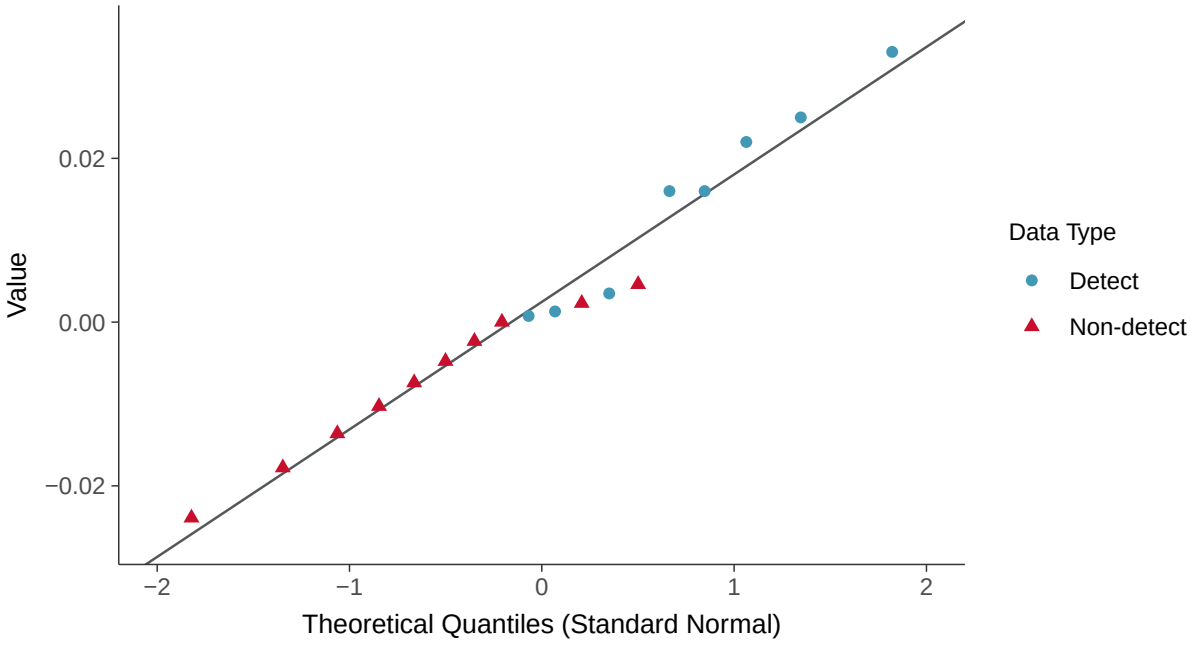
Boxplot by Season

Zinc, MW-07 (mg/L)



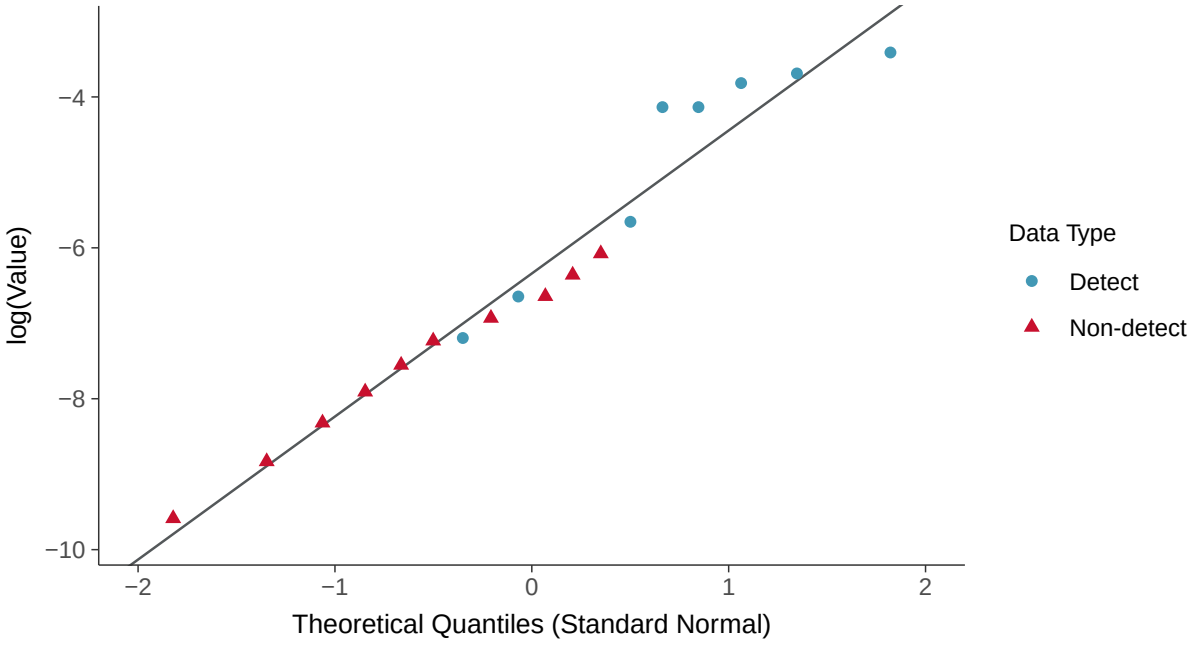
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-07 (mg/L)



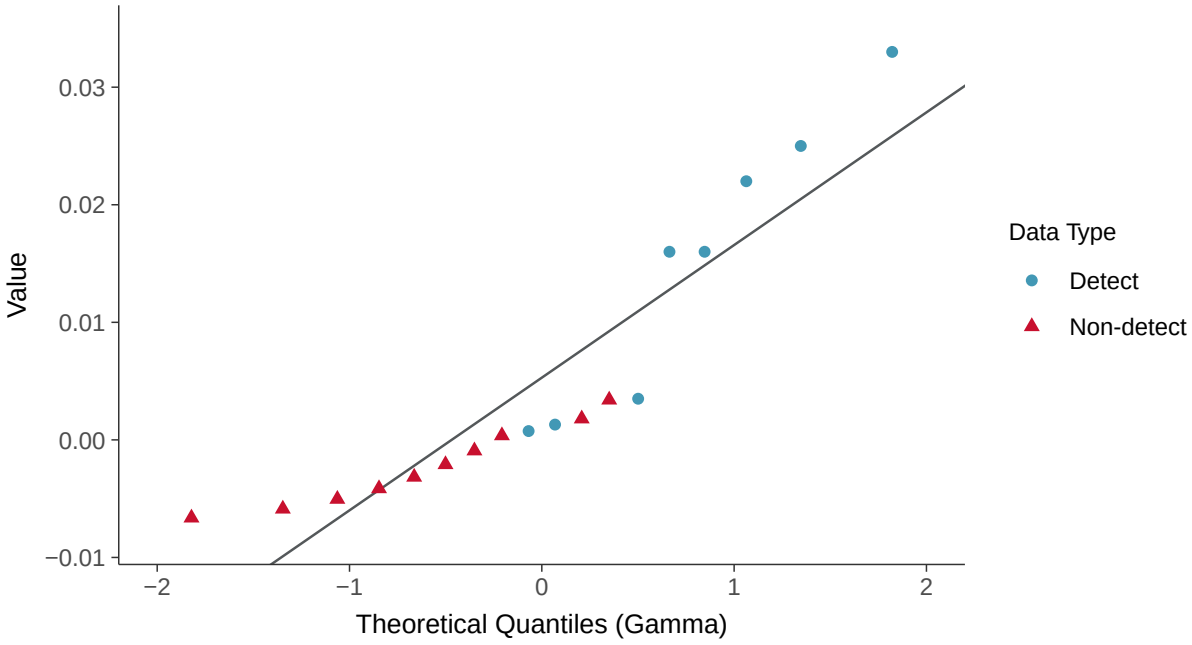
Lognormal Q-Q plot using ROS Imputed Estimates

Zinc, MW-07 (mg/L)



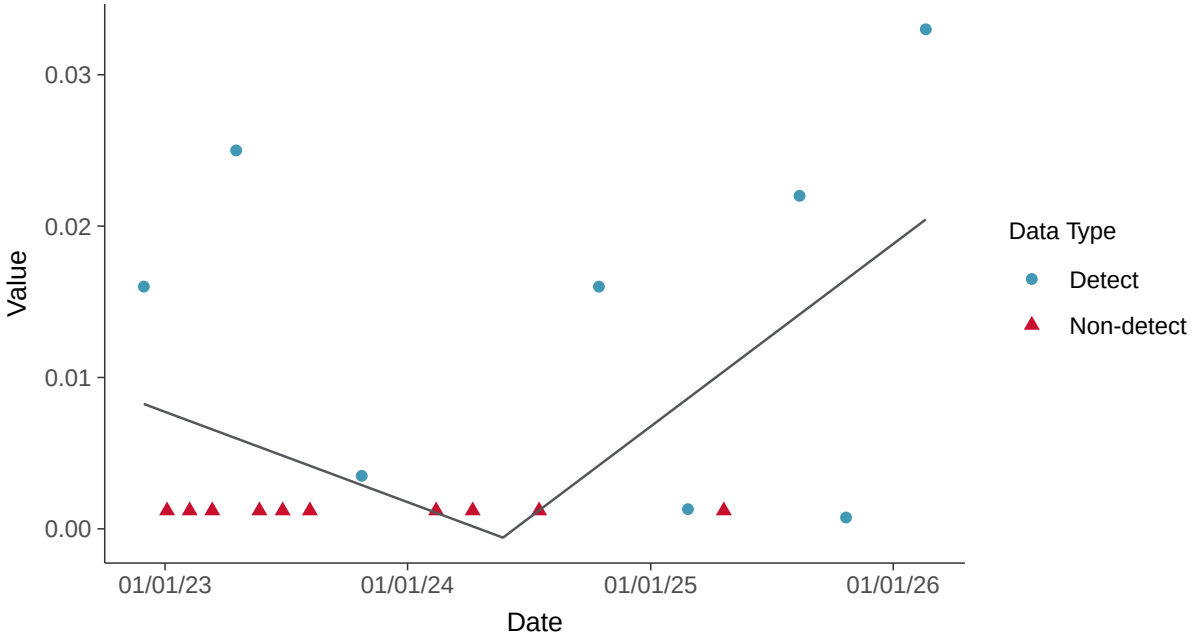
Gamma Q-Q plot using ROS Imputed Estimates

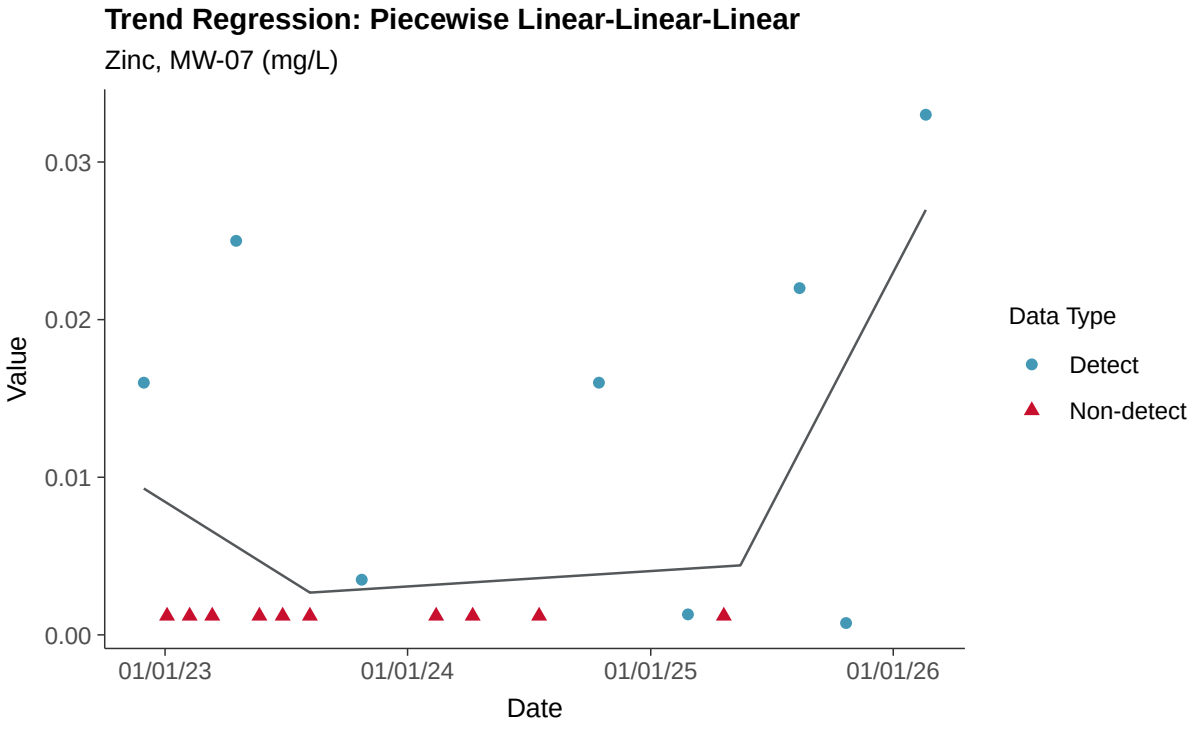
Zinc, MW-07 (mg/L)



Trend Regression: Piecewise Linear-Linear

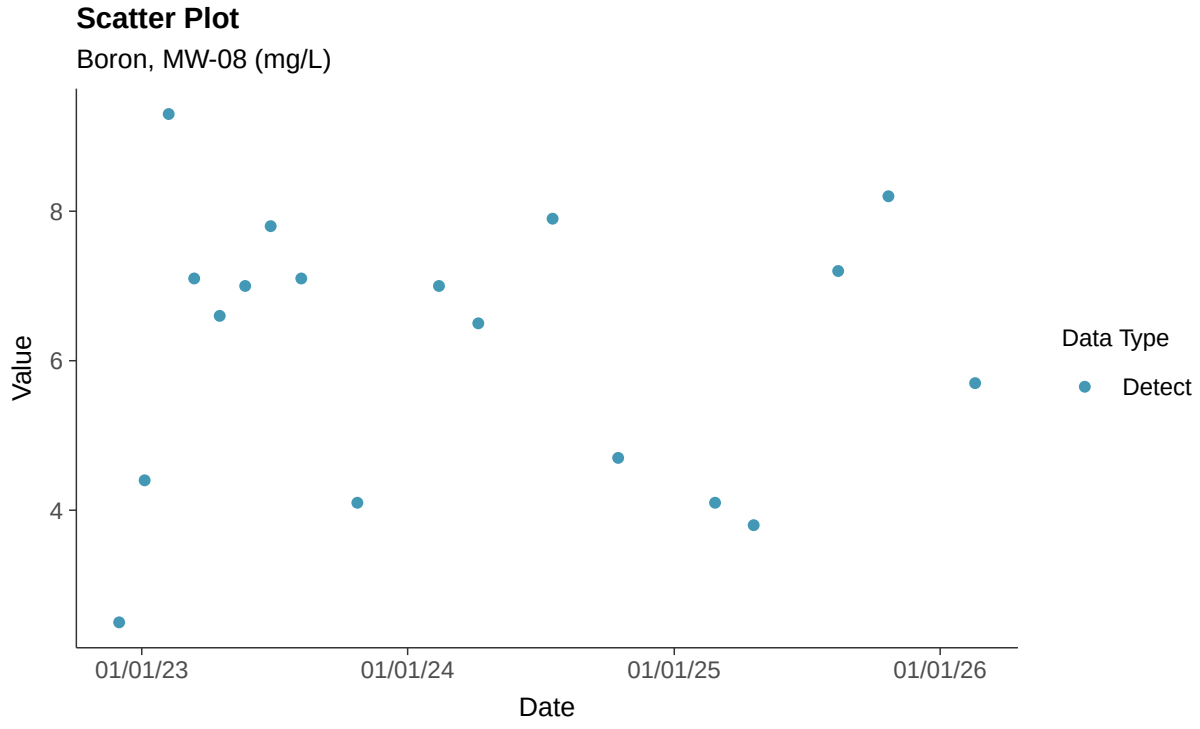
Zinc, MW-07 (mg/L)

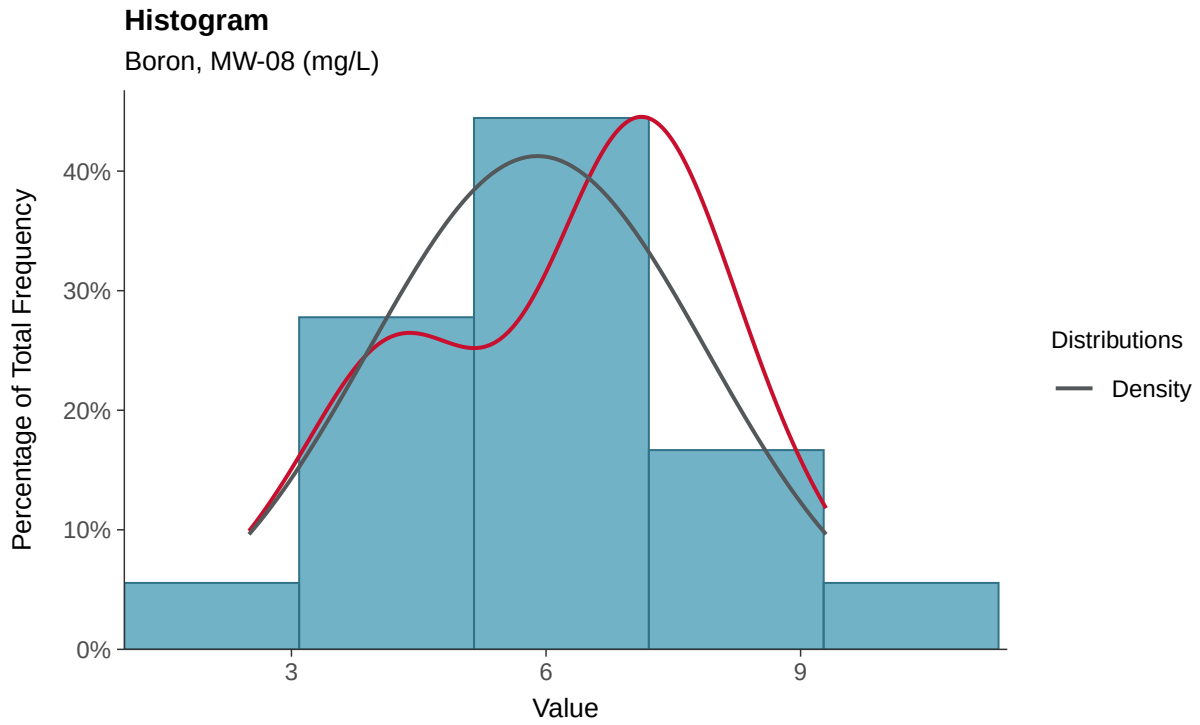



Trend Regression: Piecewise Linear-Linear-Linear
Zinc, MW-07 (mg/L)
Value
0.03
0.02
0.01
0.00
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: Boron, MW-08

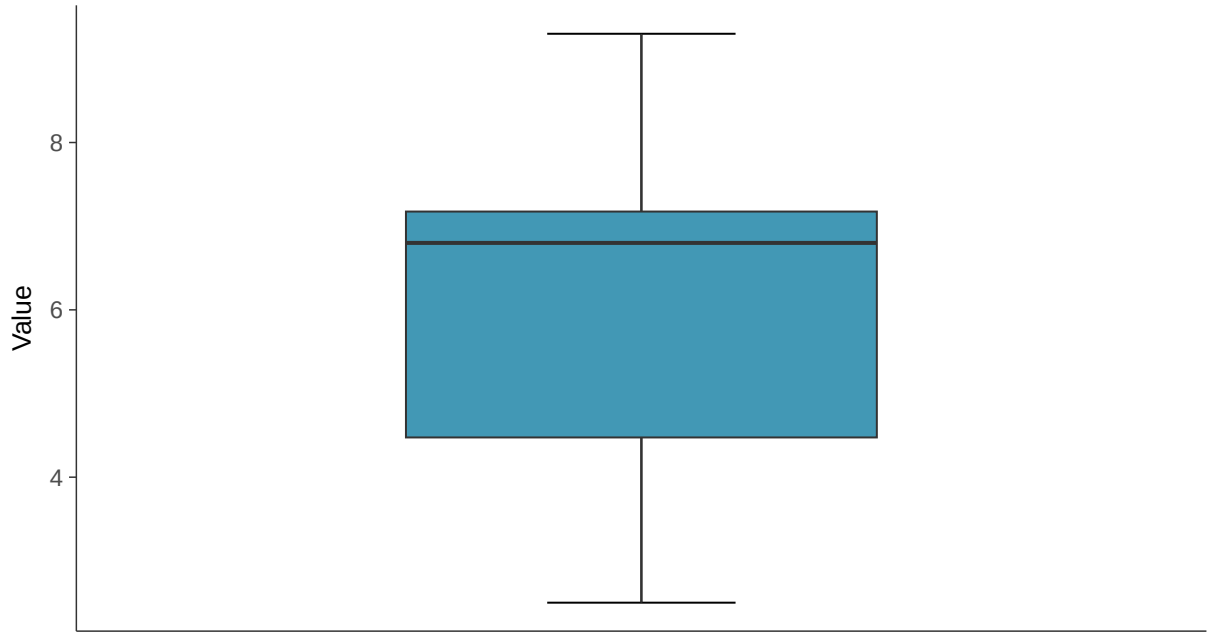
ID: 18_1_3_105





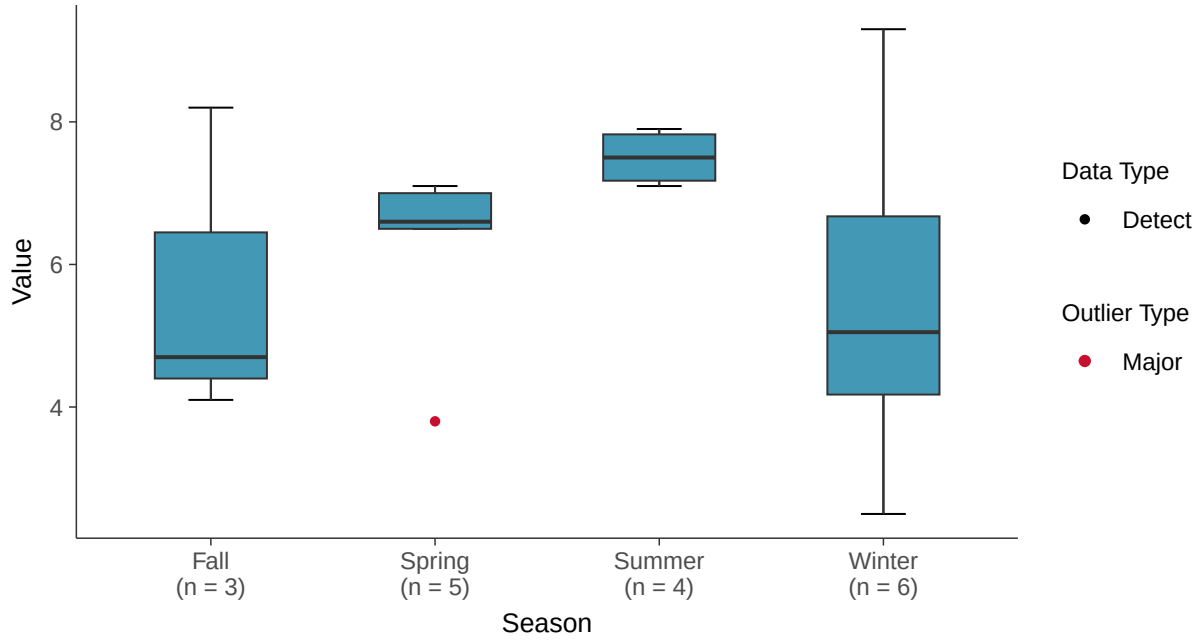
Boxplot

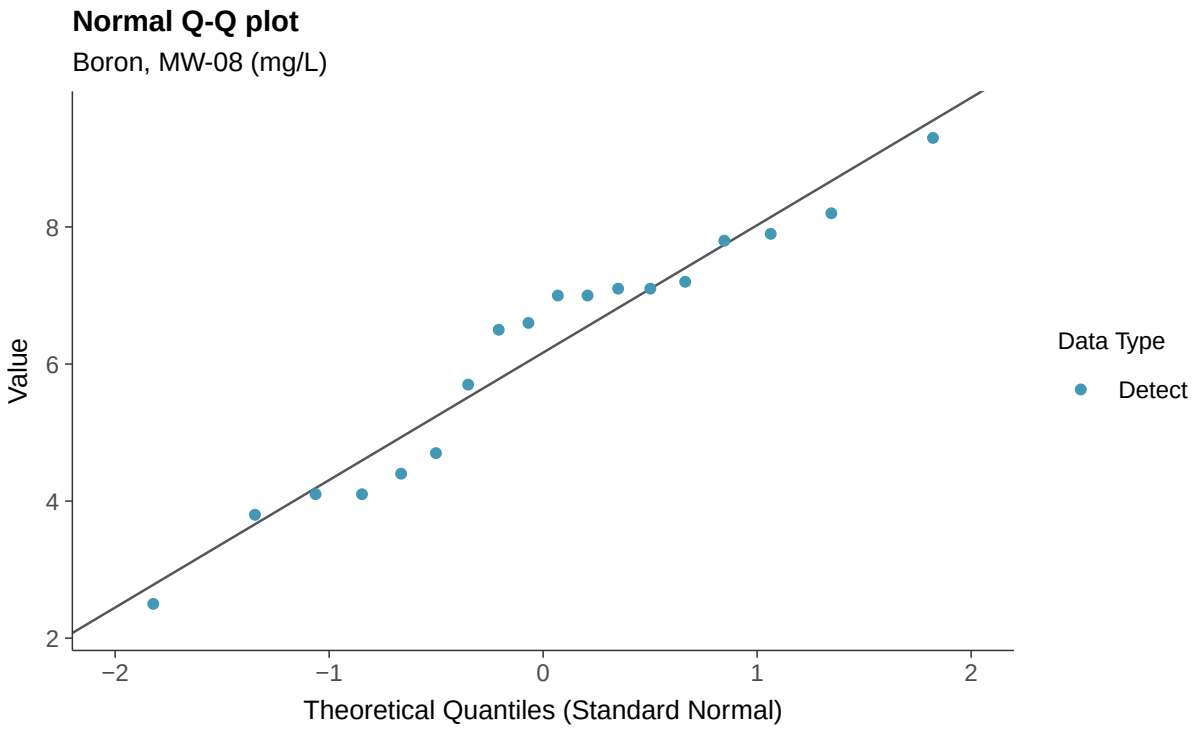
Boron, MW-08 (mg/L)

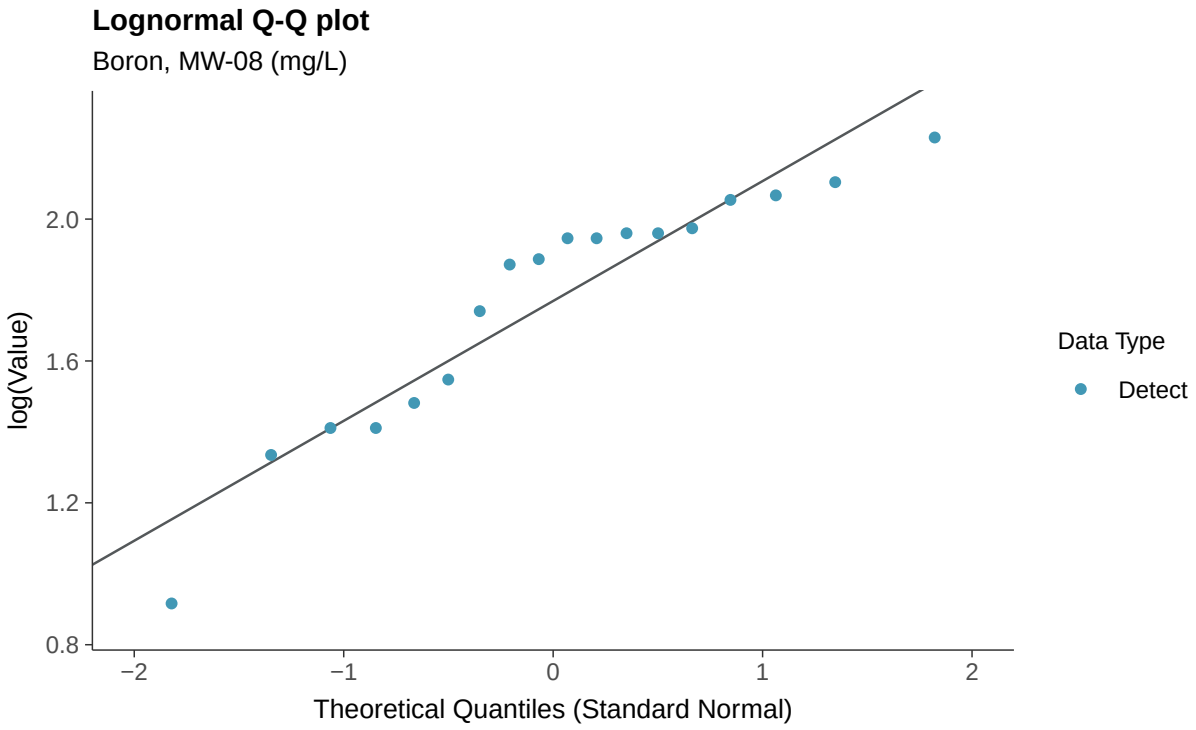


Boxplot by Season

Boron, MW-08 (mg/L)

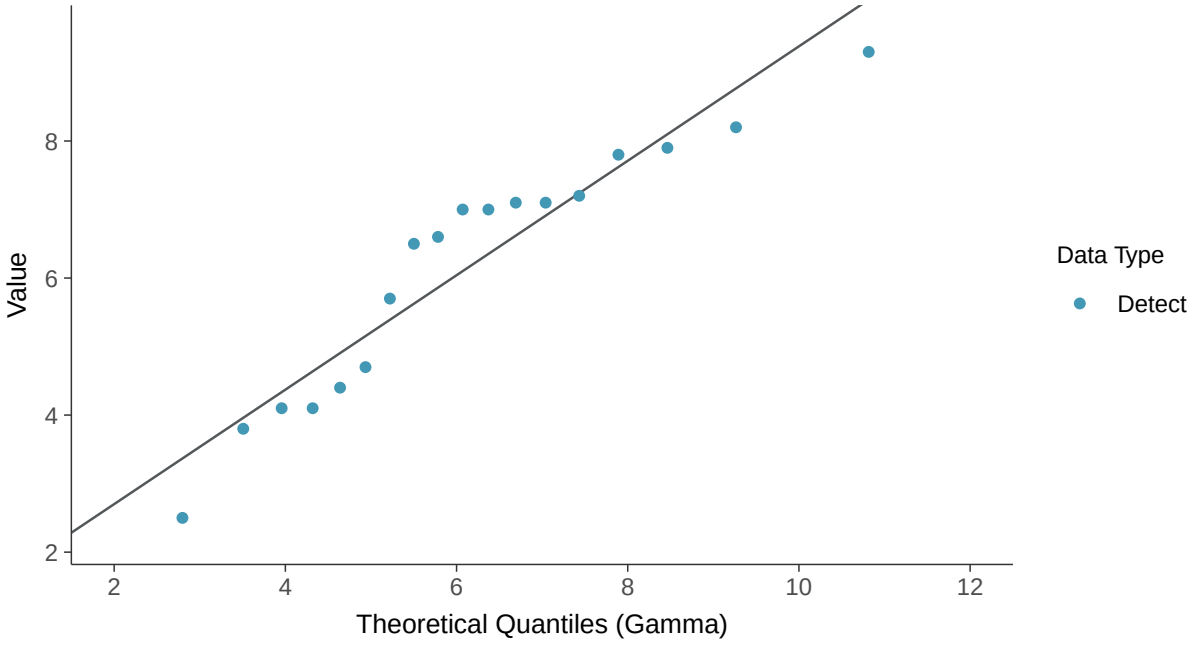



Normal Q-Q plot
Boron, MW-08 (mg/L)
Value
8
6
4
2
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Boron, MW-08 (mg/L)
log(Value)
2.0
1.6
1.2
0.8
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

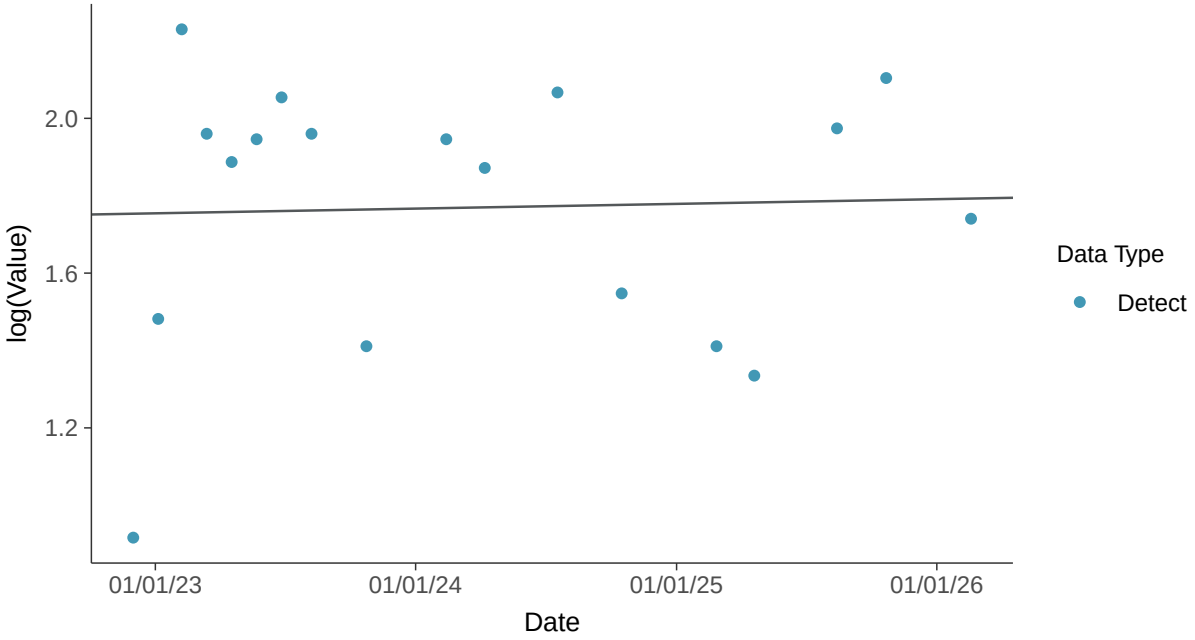
Gamma Q-Q plot

Boron, MW-08 (mg/L)



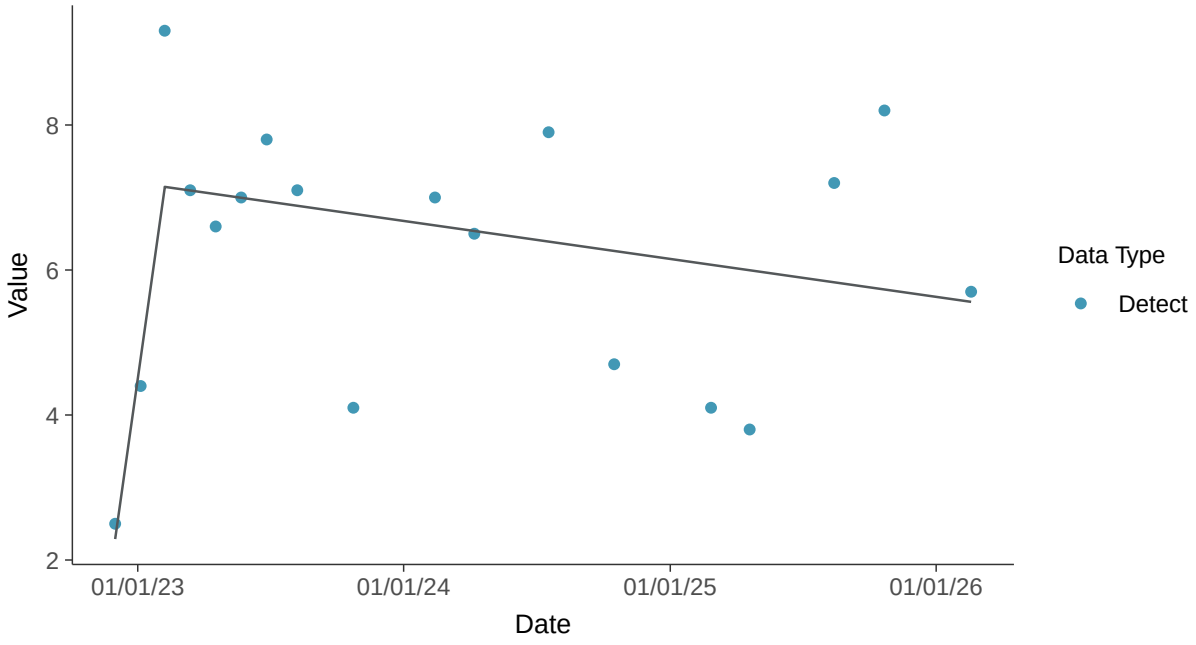
Trend Regression: Lognormal MLE

Boron, MW-08 (mg/L)



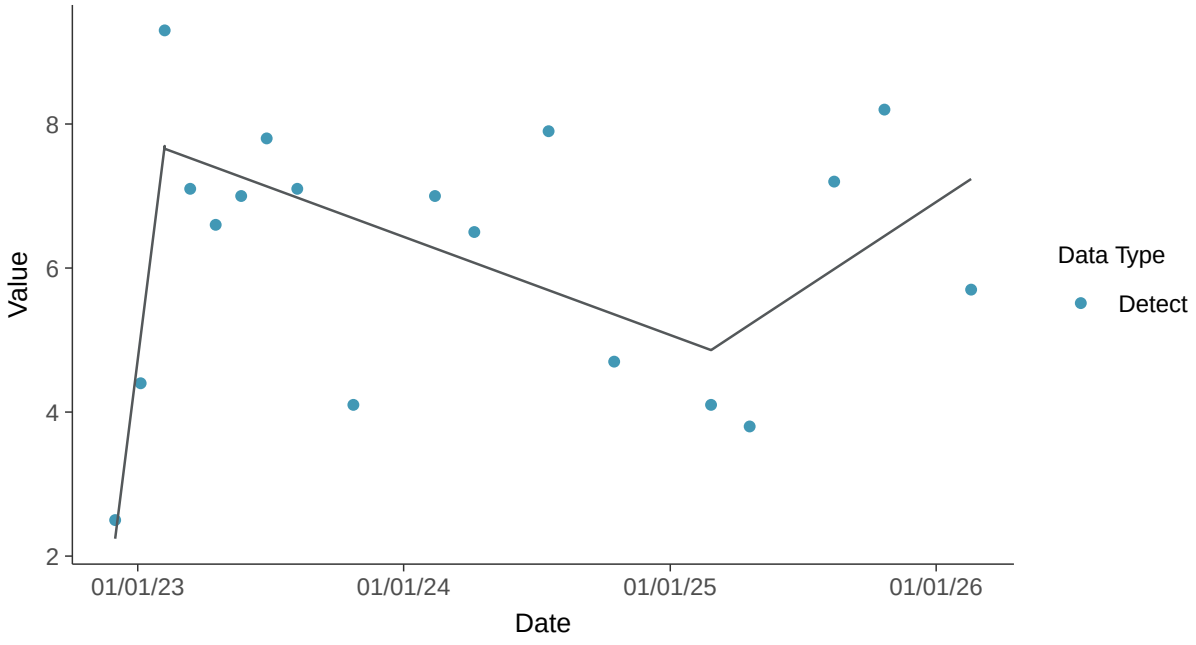
Trend Regression: Piecewise Linear-Linear

Boron, MW-08 (mg/L)



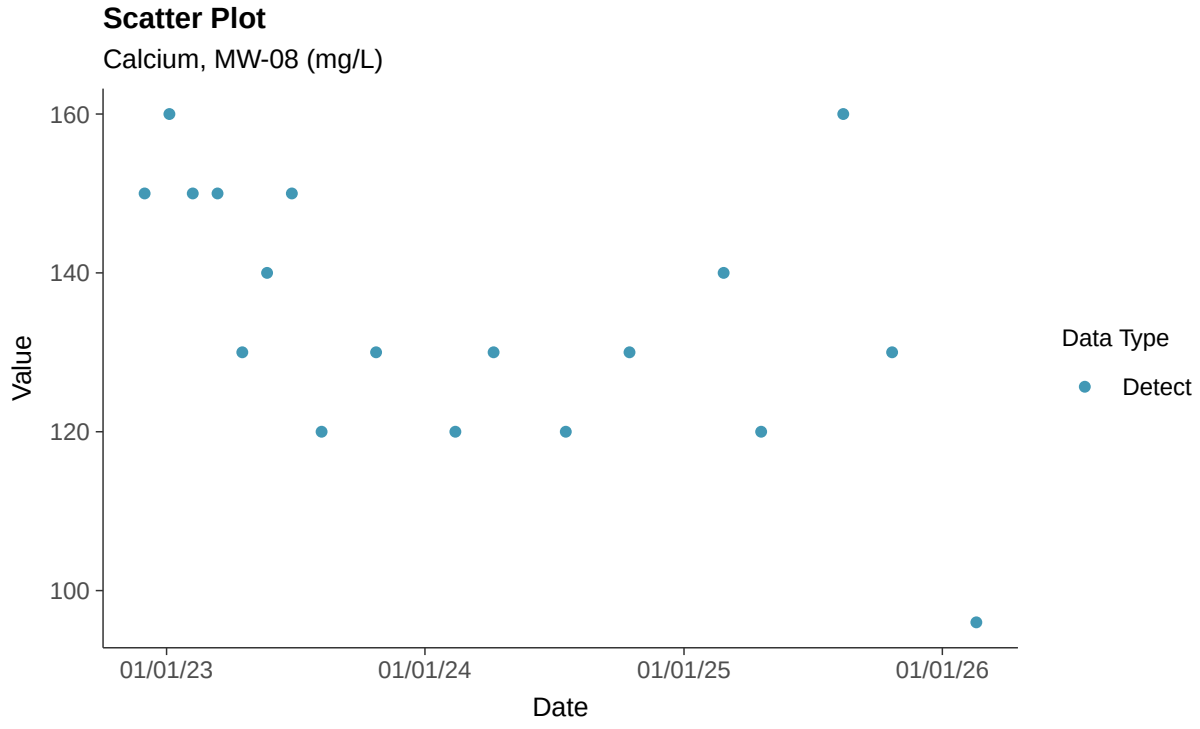
Trend Regression: Piecewise Linear-Linear-Linear

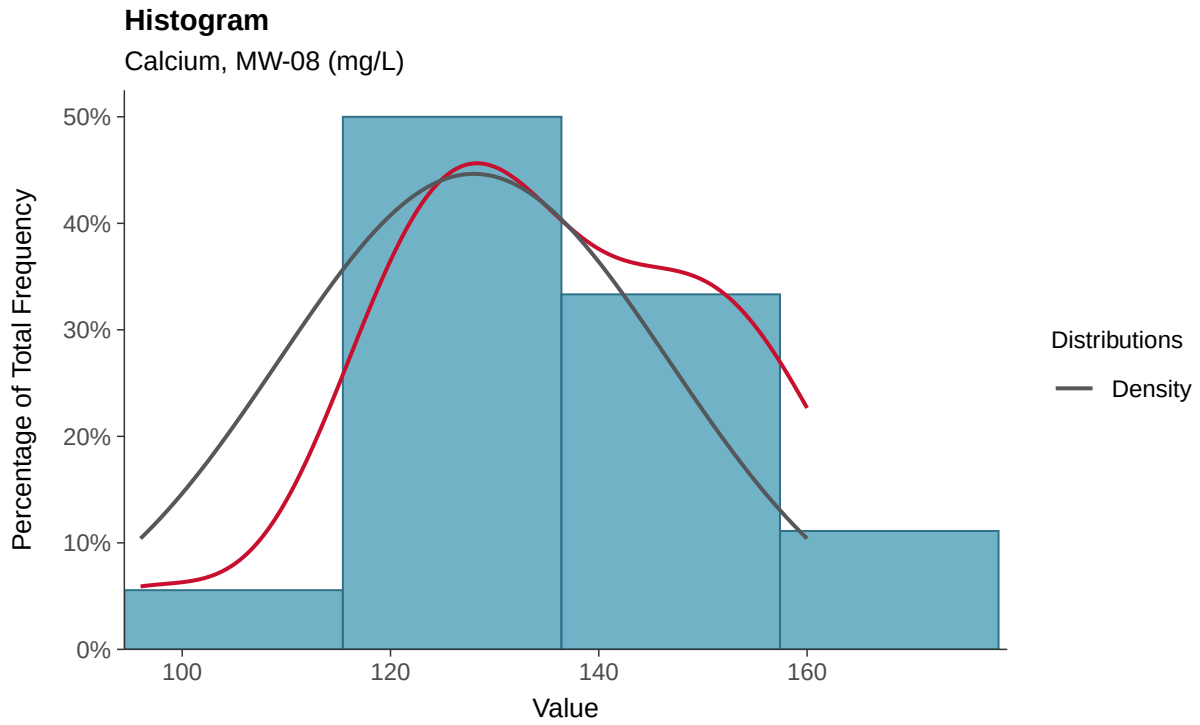
Boron, MW-08 (mg/L)



Appendix III: Calcium, MW-08

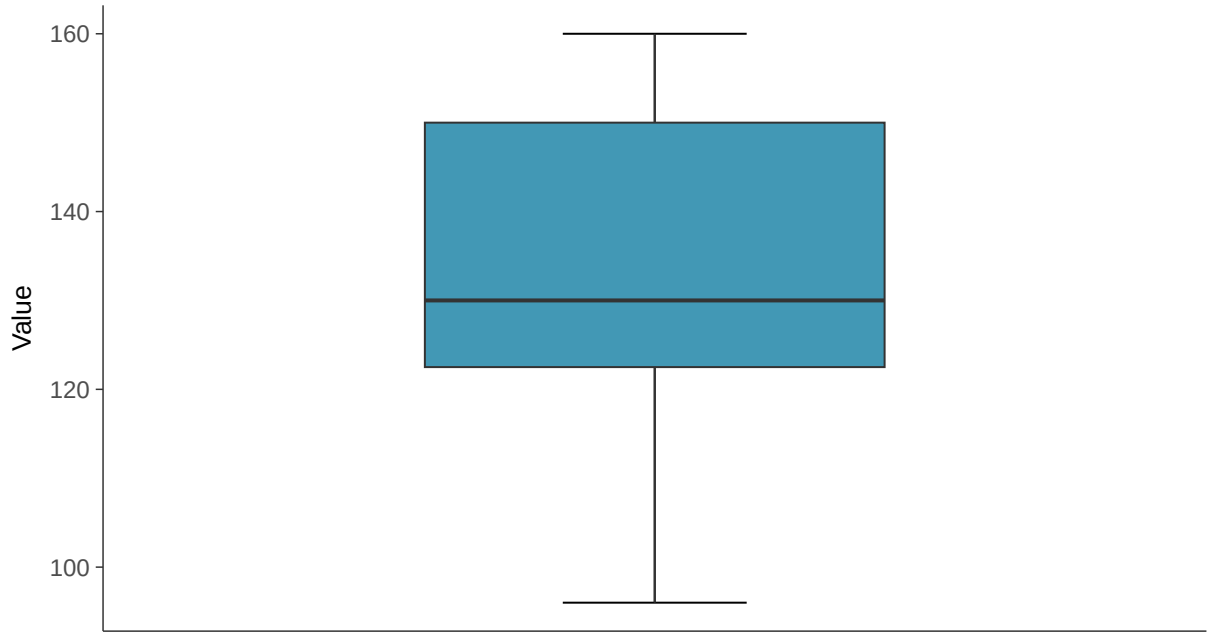
ID: 18_1_3_107





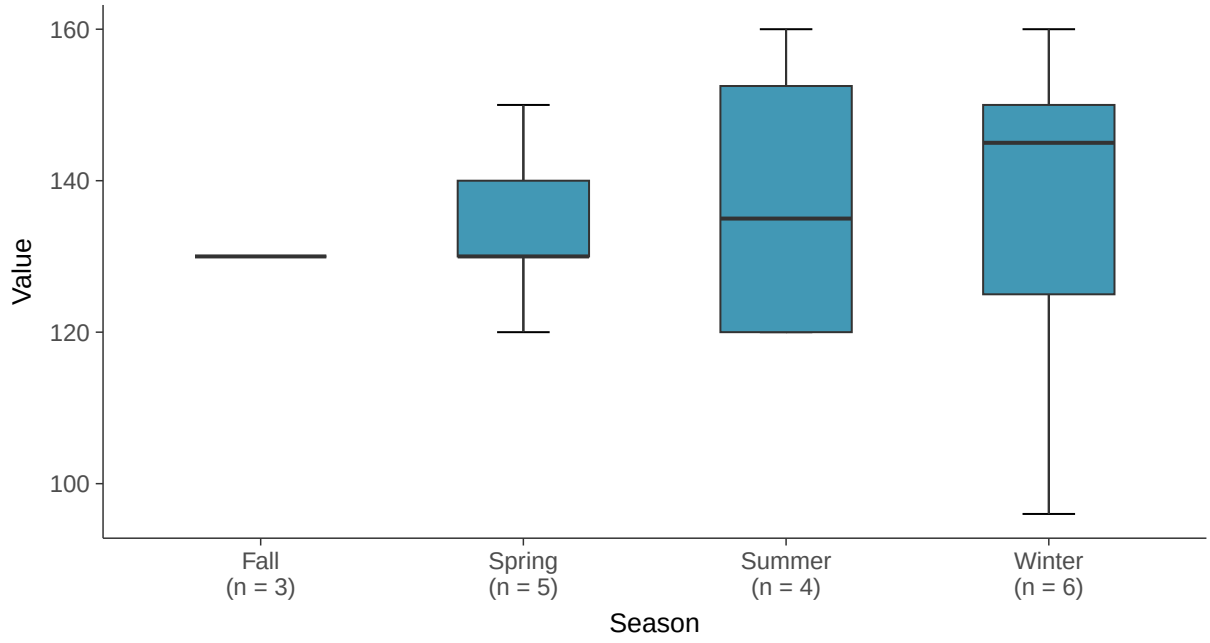
Boxplot

Calcium, MW-08 (mg/L)



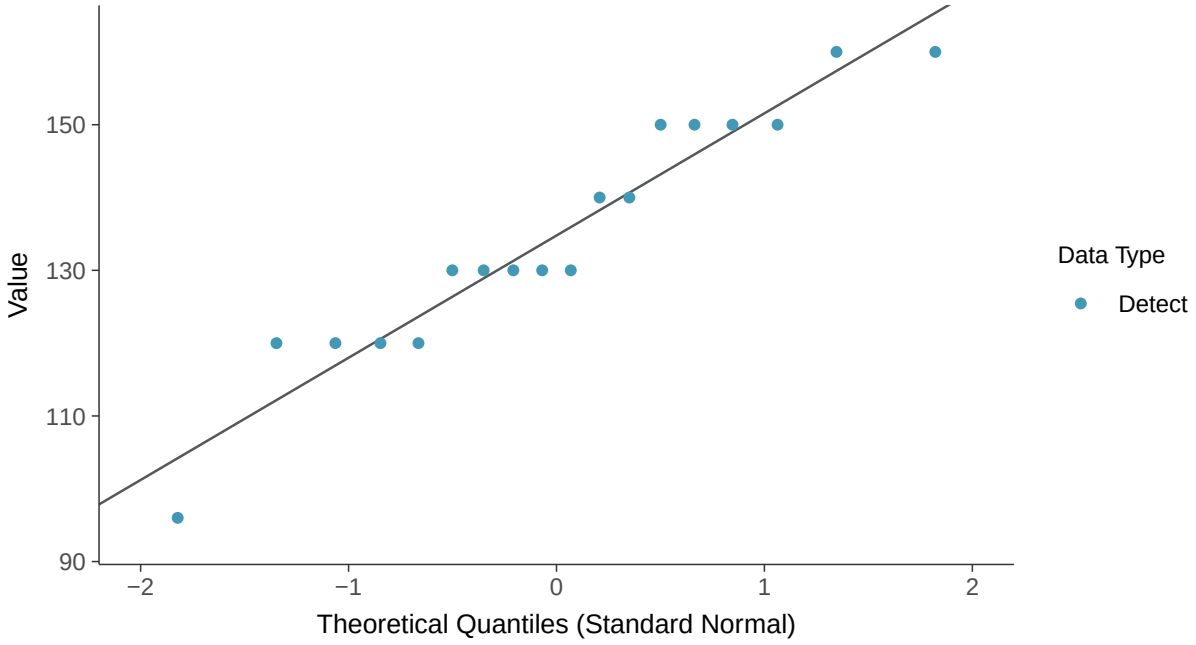
Boxplot by Season

Calcium, MW-08 (mg/L)



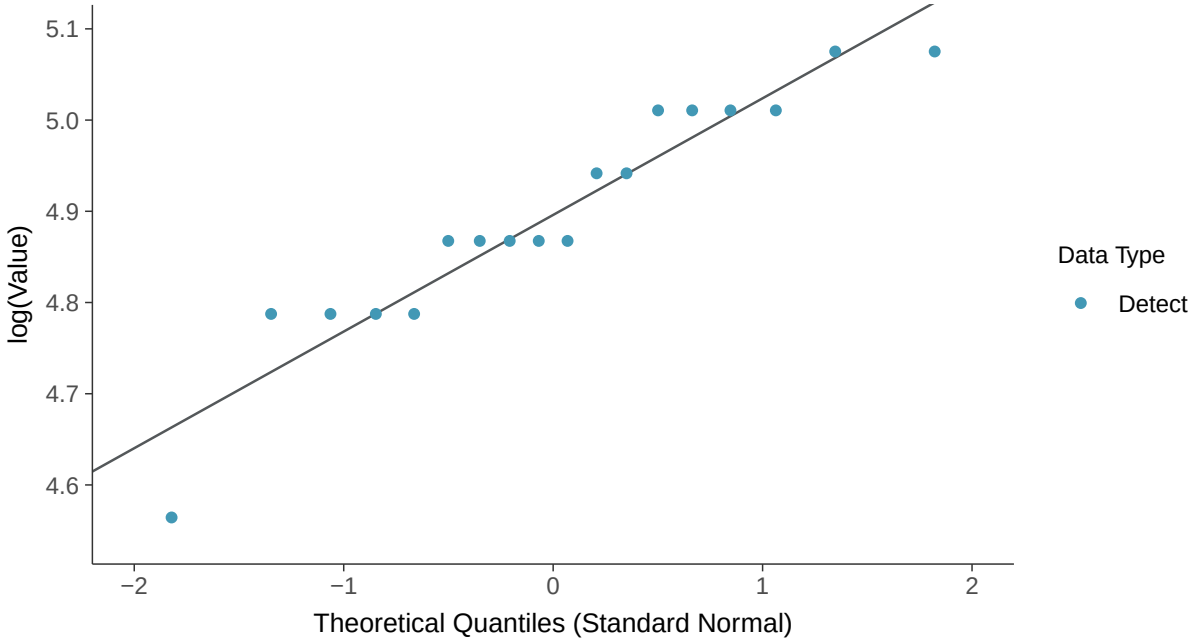
Normal Q-Q plot

Calcium, MW-08 (mg/L)



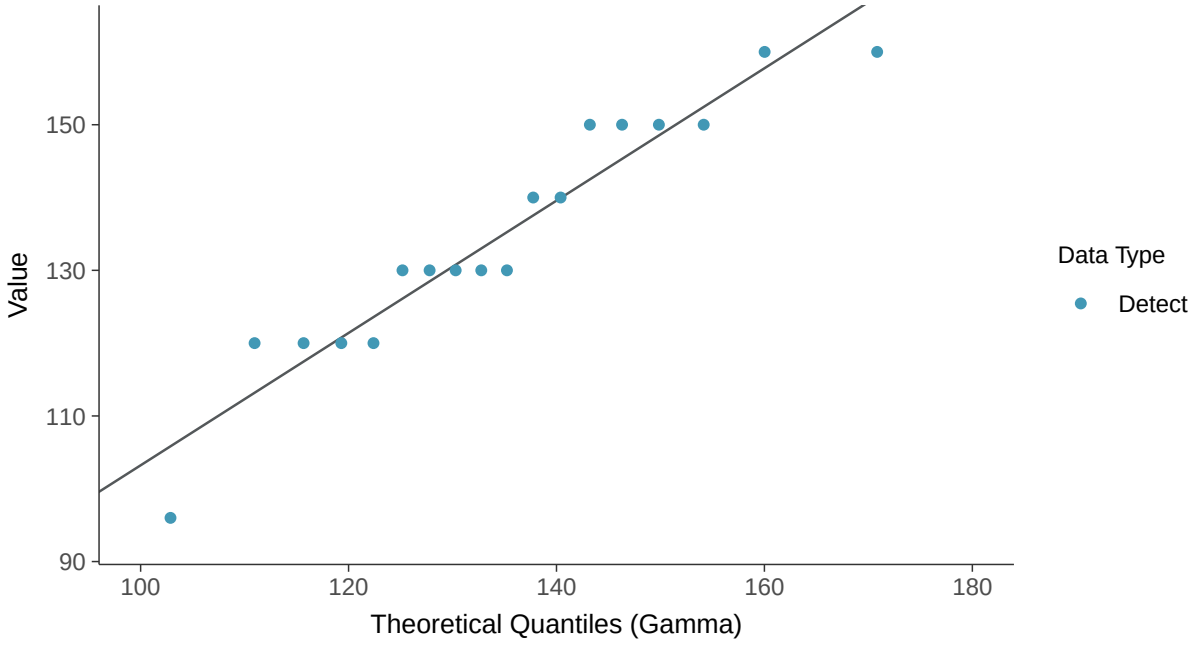
Lognormal Q-Q plot

Calcium, MW-08 (mg/L)



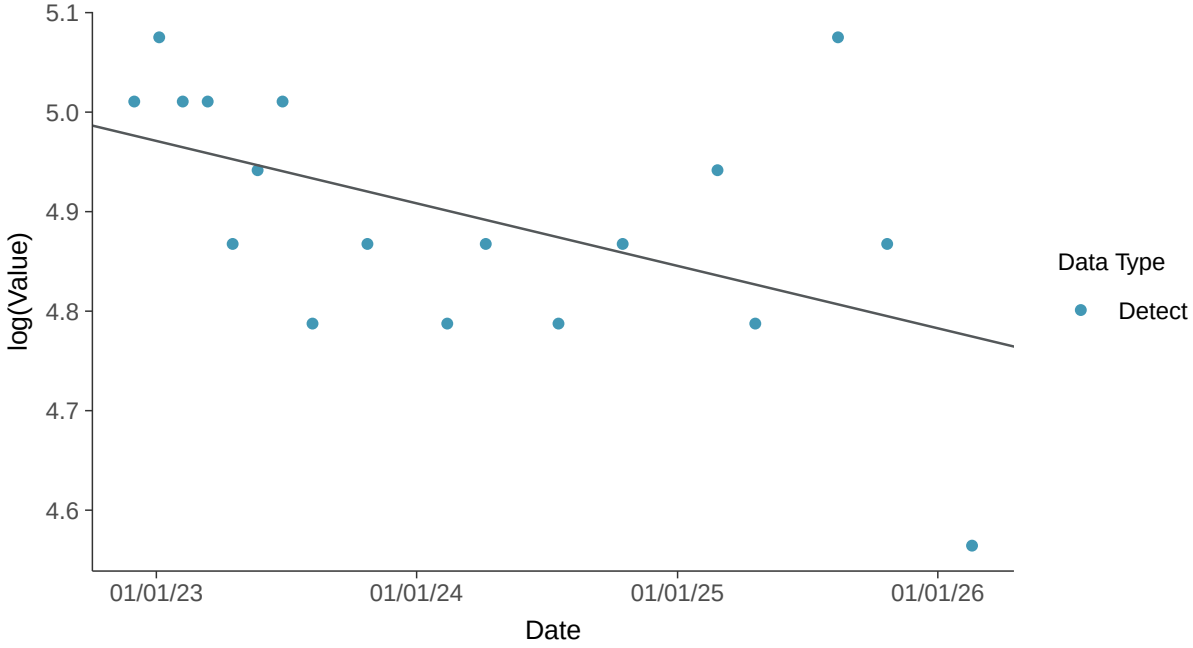
Gamma Q-Q plot

Calcium, MW-08 (mg/L)



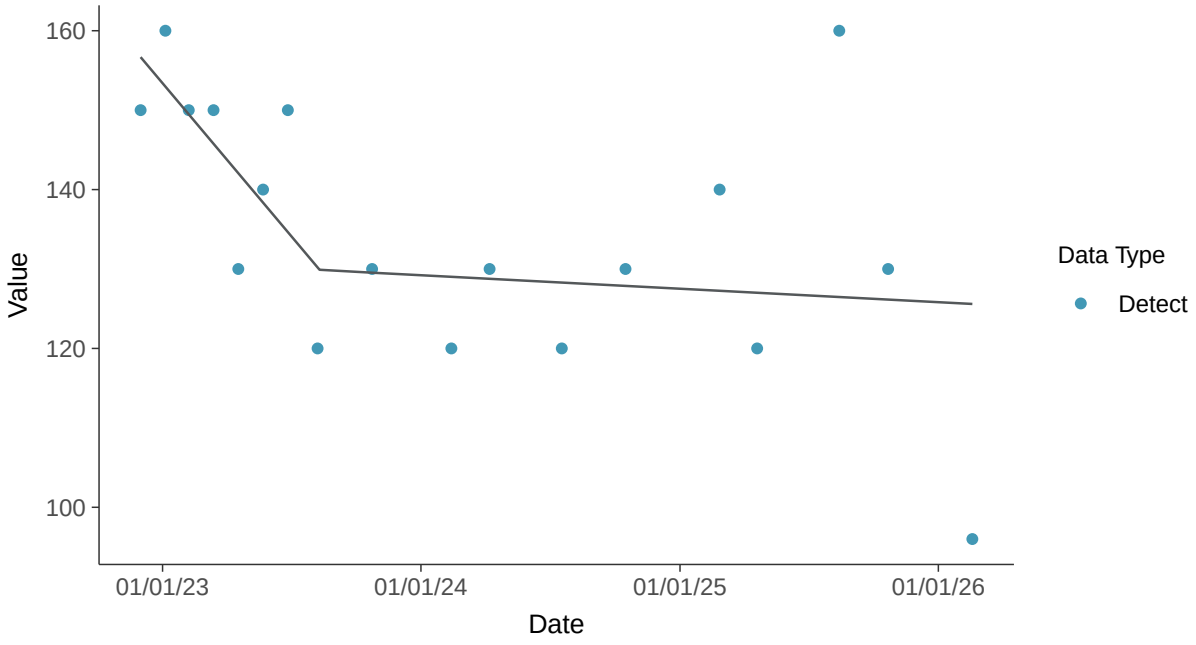
Trend Regression: Lognormal MLE

Calcium, MW-08 (mg/L)



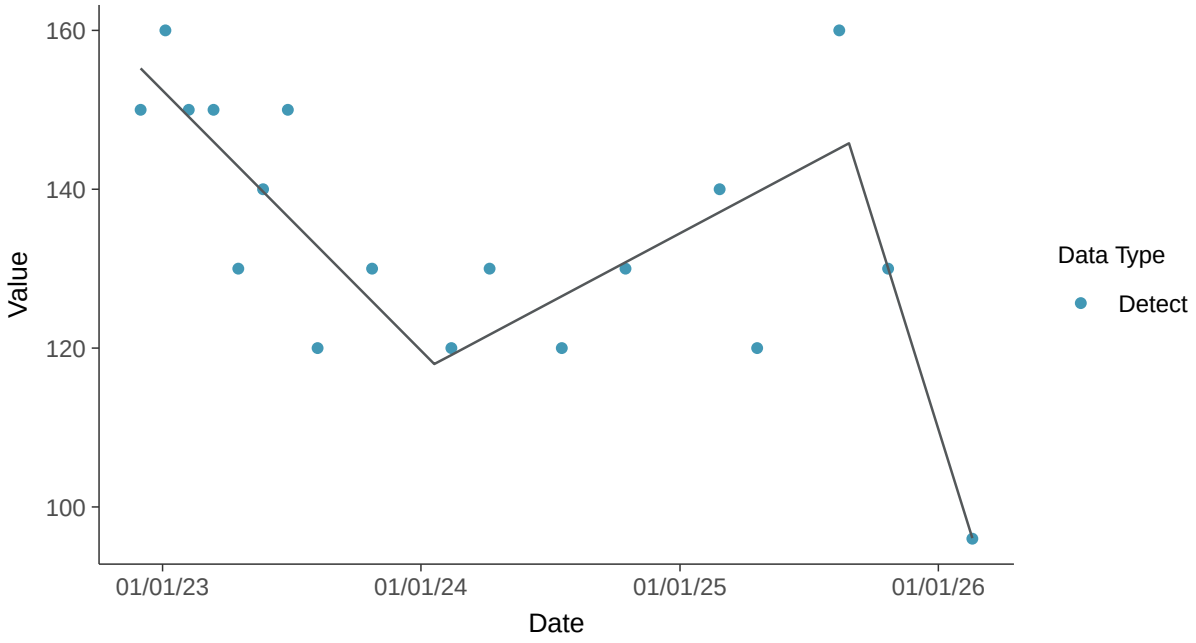
Trend Regression: Piecewise Linear-Linear

Calcium, MW-08 (mg/L)



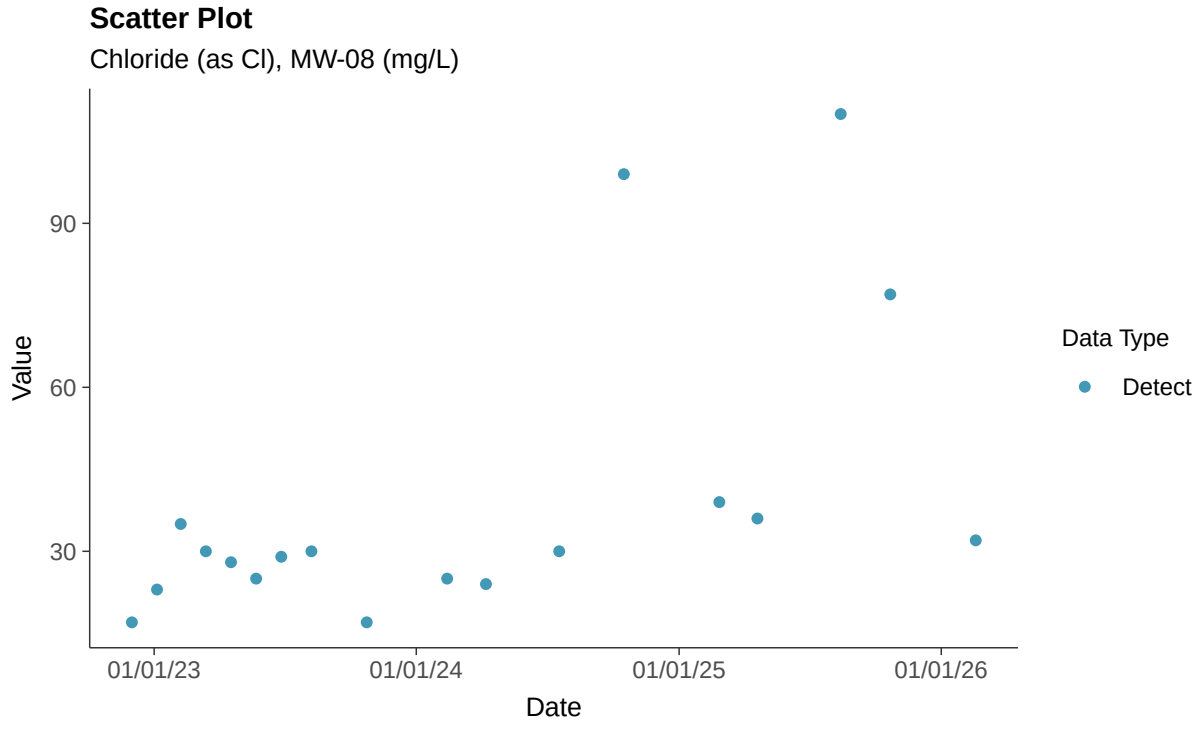
Trend Regression: Piecewise Linear-Linear-Linear

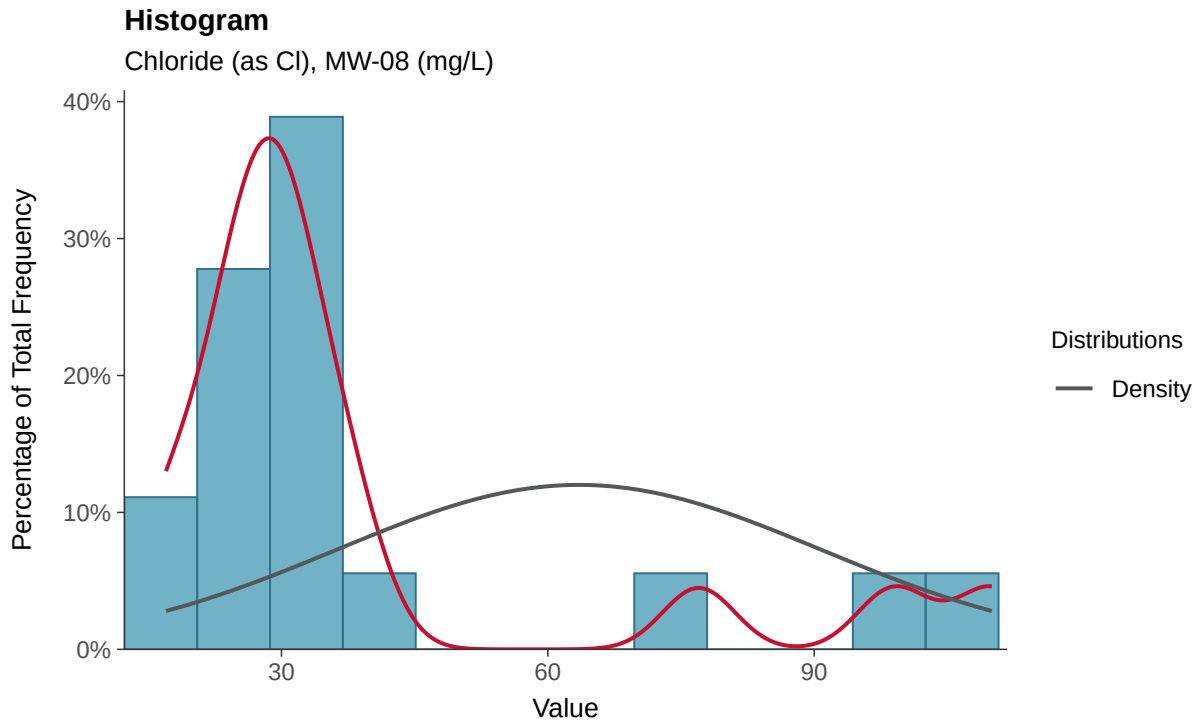
Calcium, MW-08 (mg/L)



Appendix III: Chloride (as Cl), MW-08

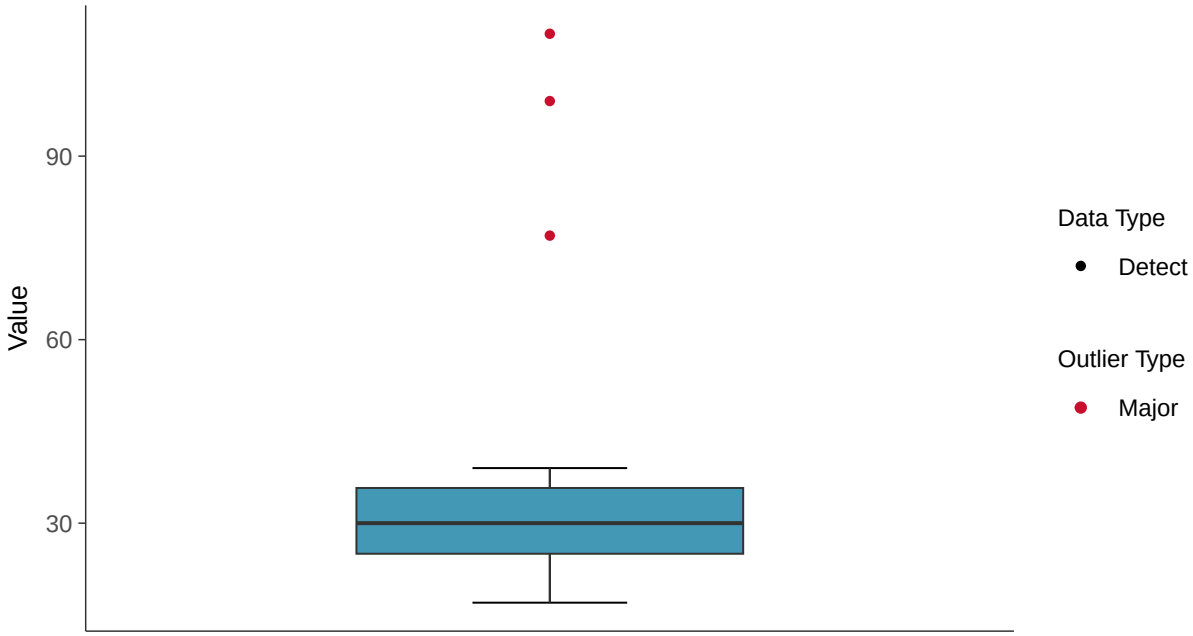
ID: 18_1_3_108





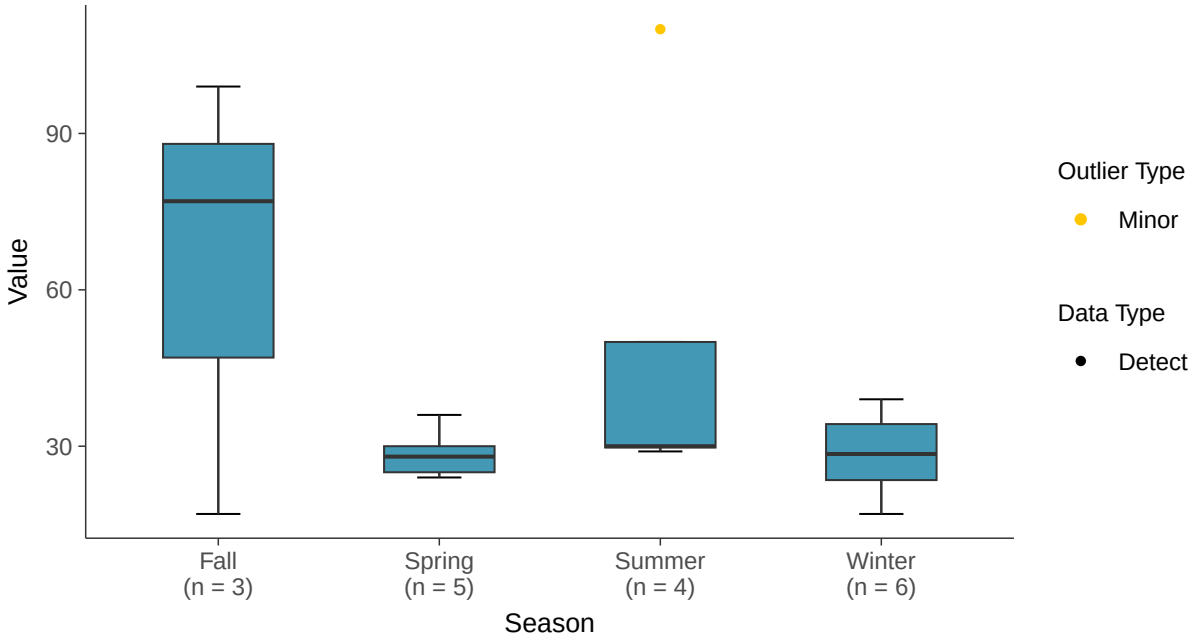
Boxplot

Chloride (as Cl), MW-08 (mg/L)



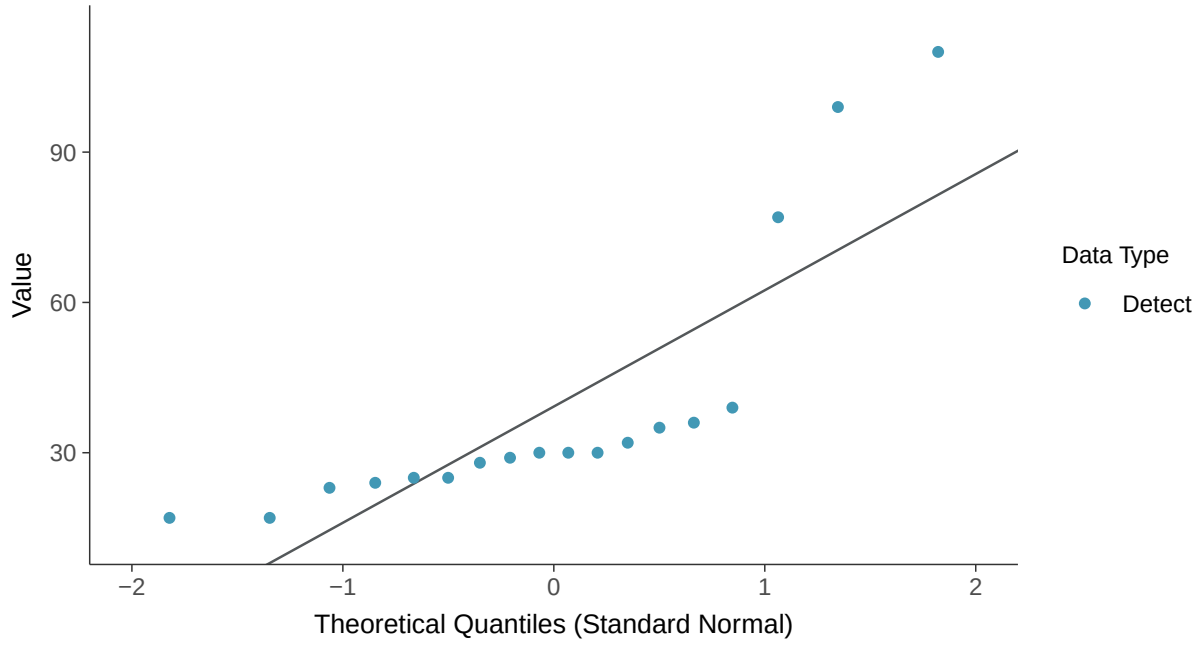
Boxplot by Season

Chloride (as Cl), MW-08 (mg/L)



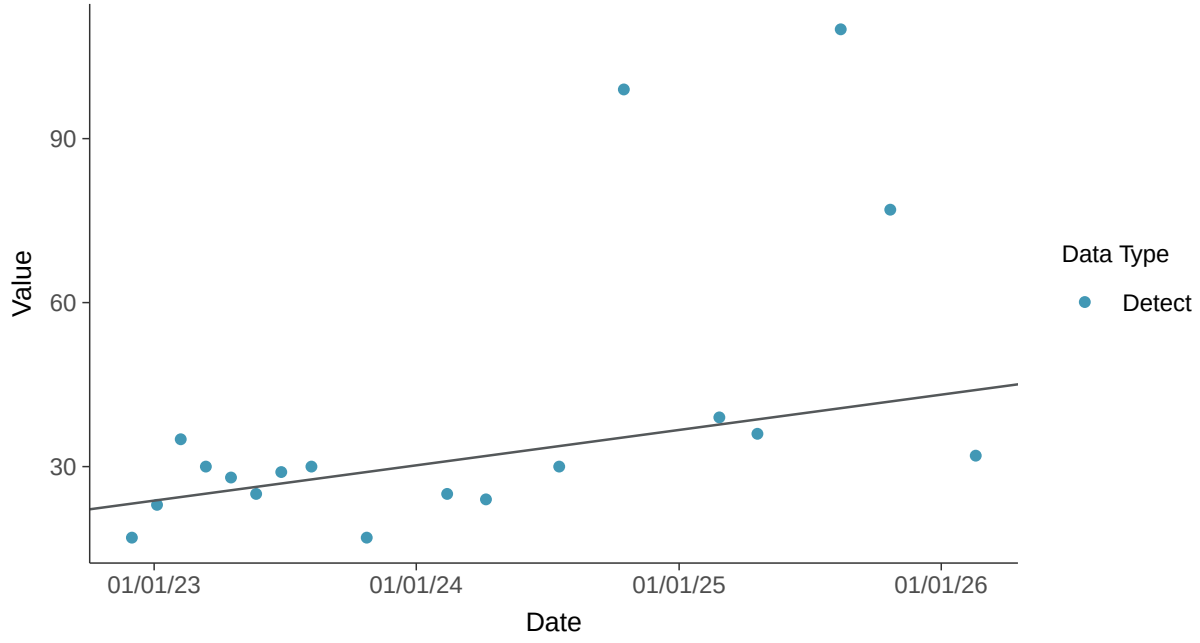
Normal Q-Q plot

Chloride (as Cl), MW-08 (mg/L)



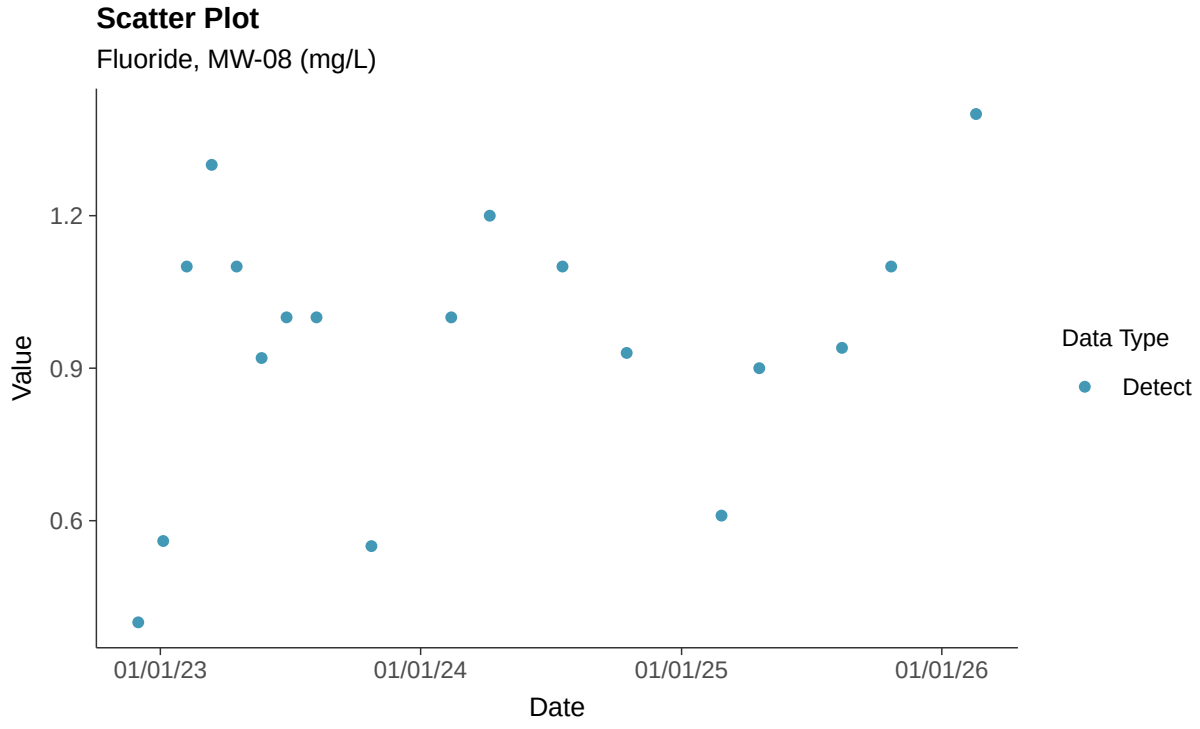
Trend Regression: Mann-Kendall/Theil-Sen Estimate

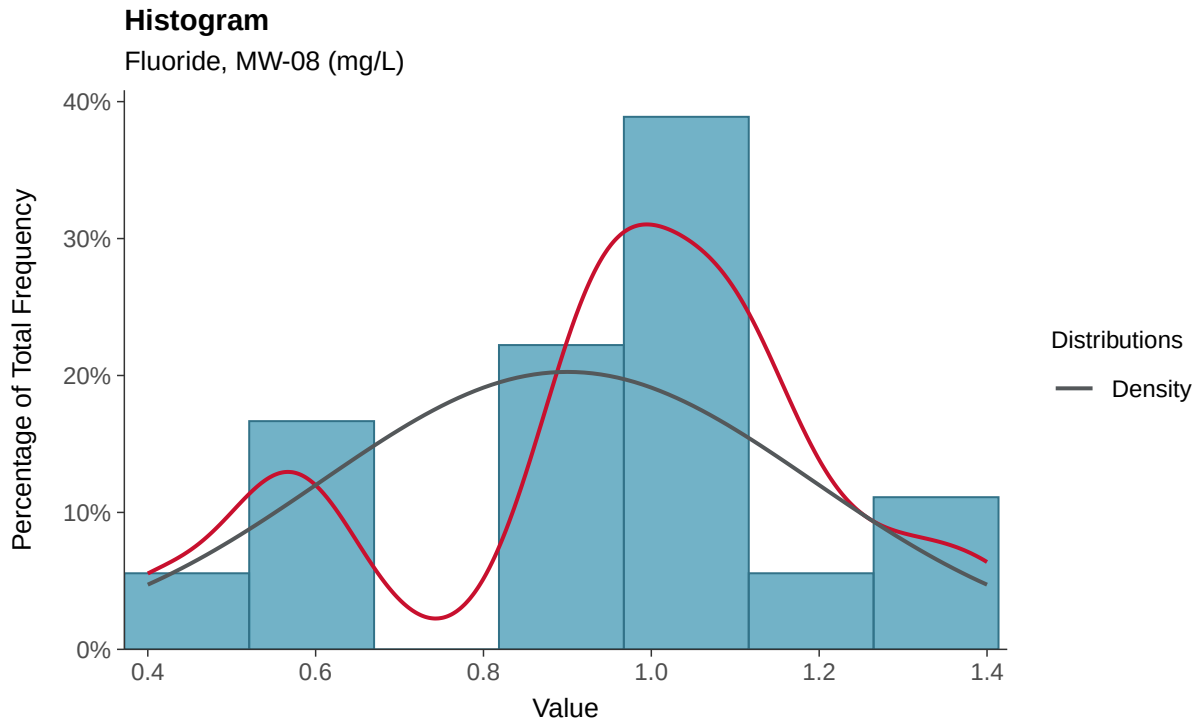
Chloride (as Cl), MW-08 (mg/L)



Appendix III: Fluoride, MW-08

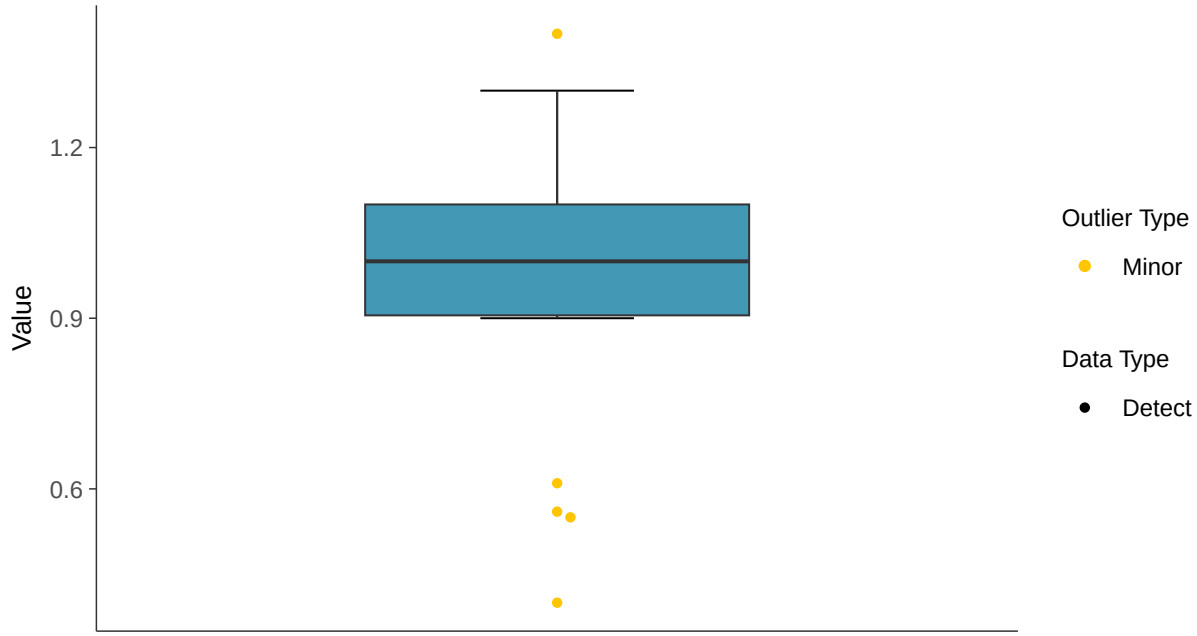
ID: 18_1_3_112





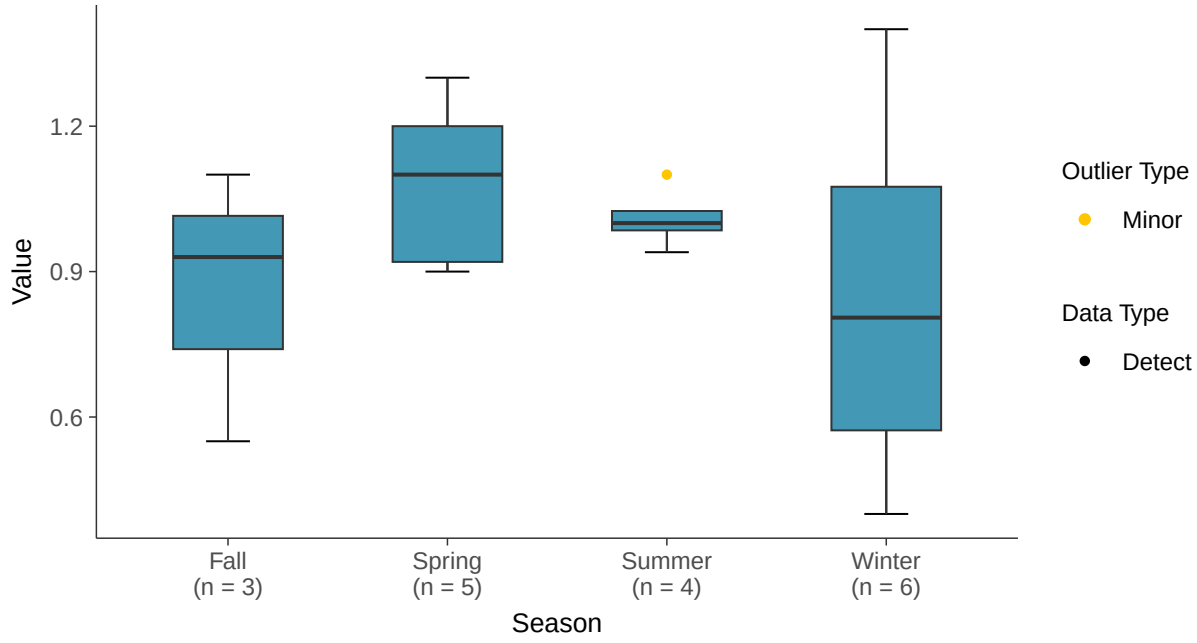
Boxplot

Fluoride, MW-08 (mg/L)



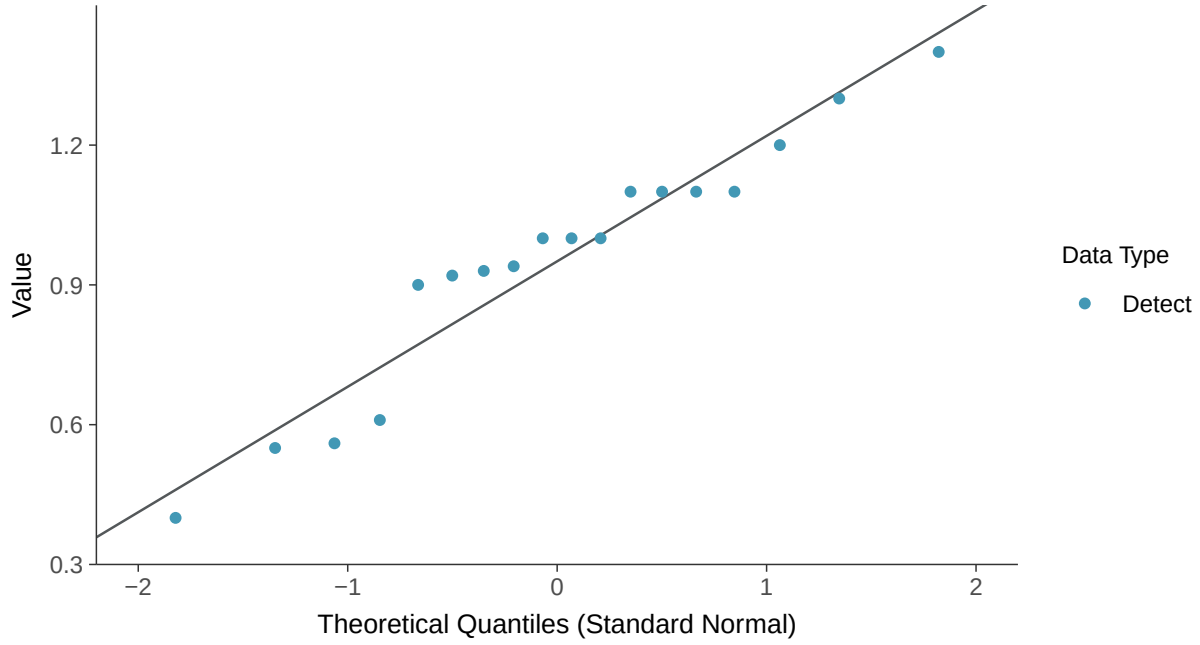
Boxplot by Season

Fluoride, MW-08 (mg/L)



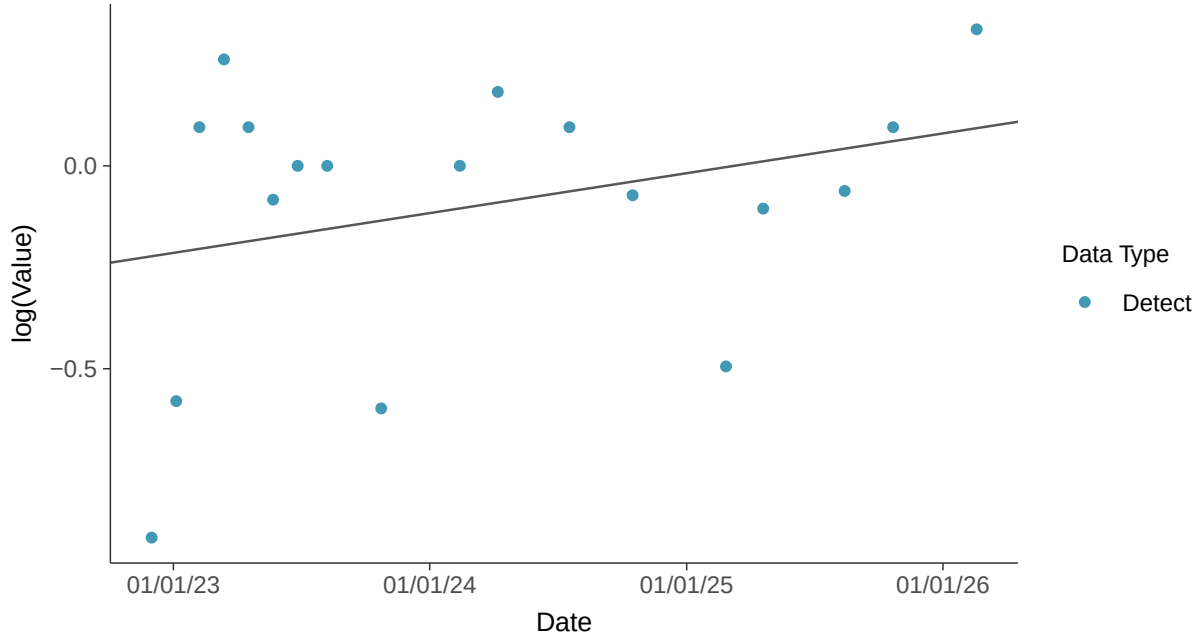
Normal Q-Q plot

Fluoride, MW-08 (mg/L)



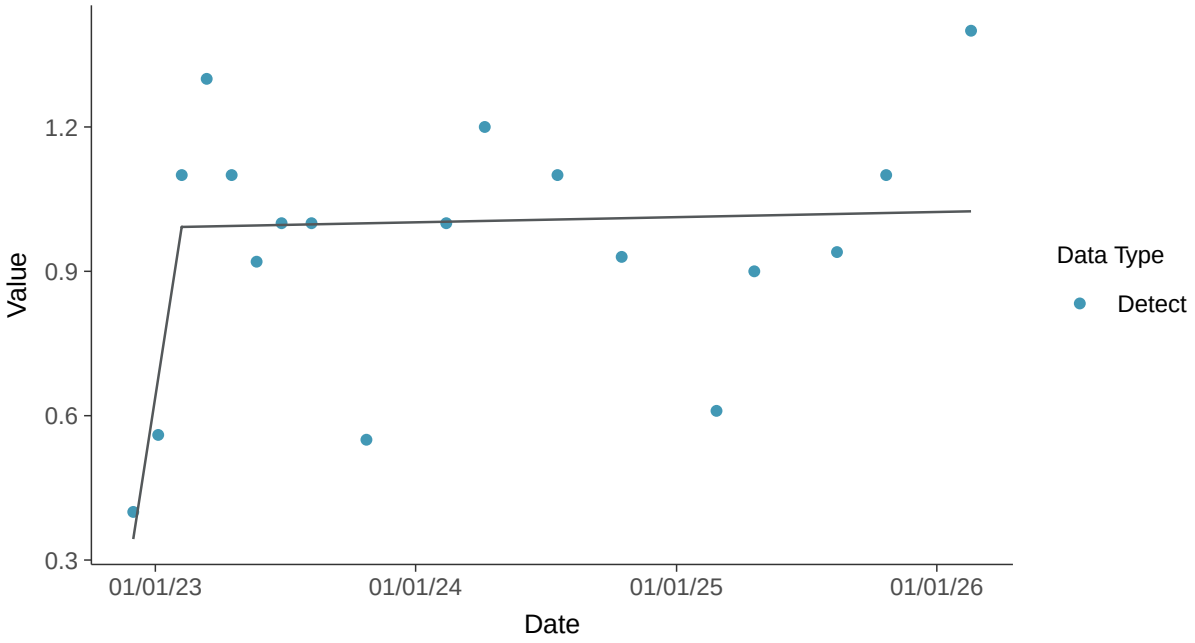
Trend Regression: Lognormal MLE

Fluoride, MW-08 (mg/L)



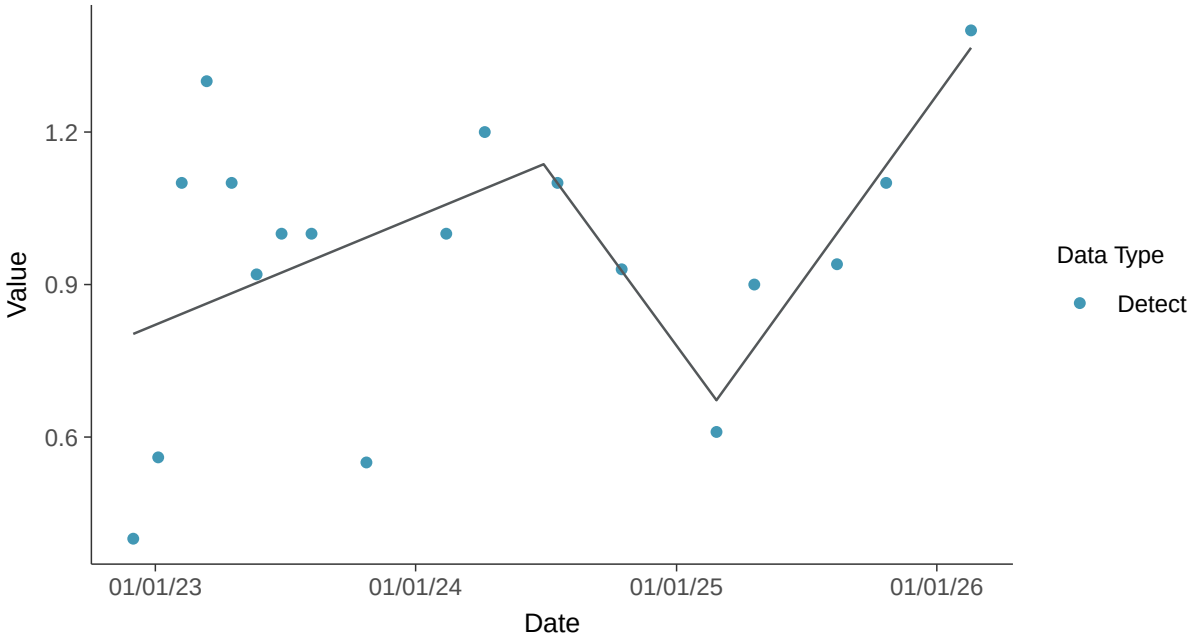
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-08 (mg/L)



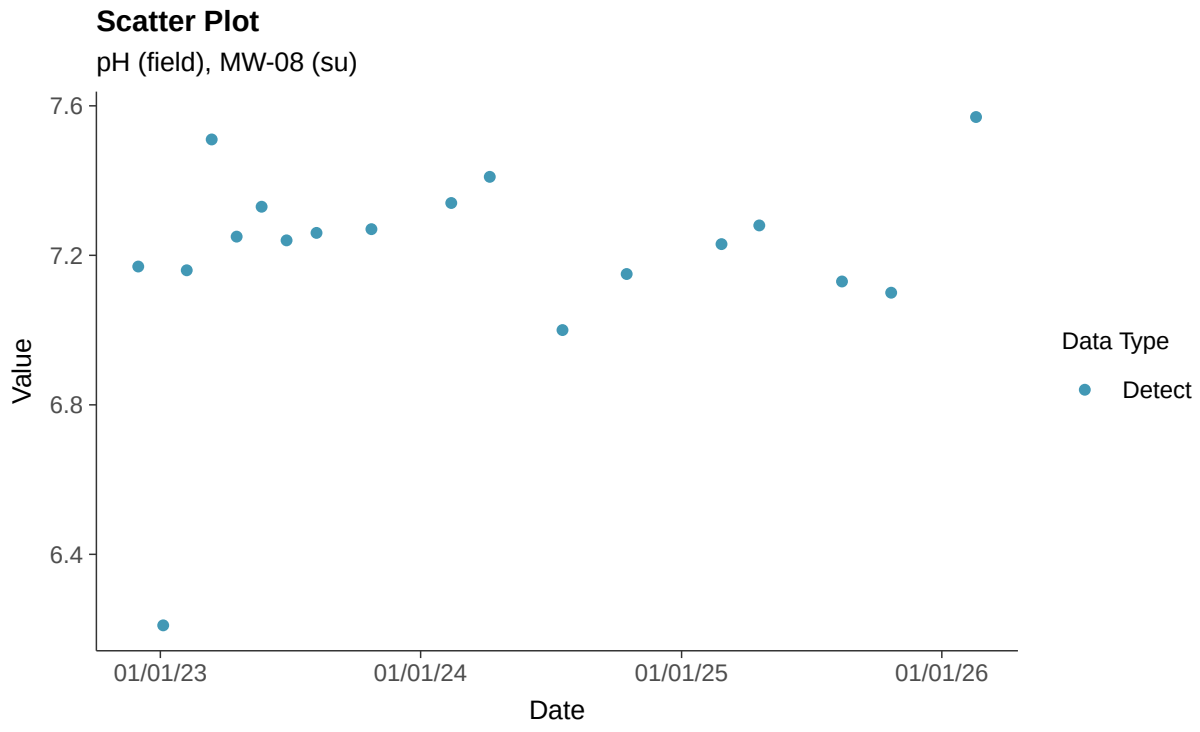
Trend Regression: Piecewise Linear-Linear-Linear

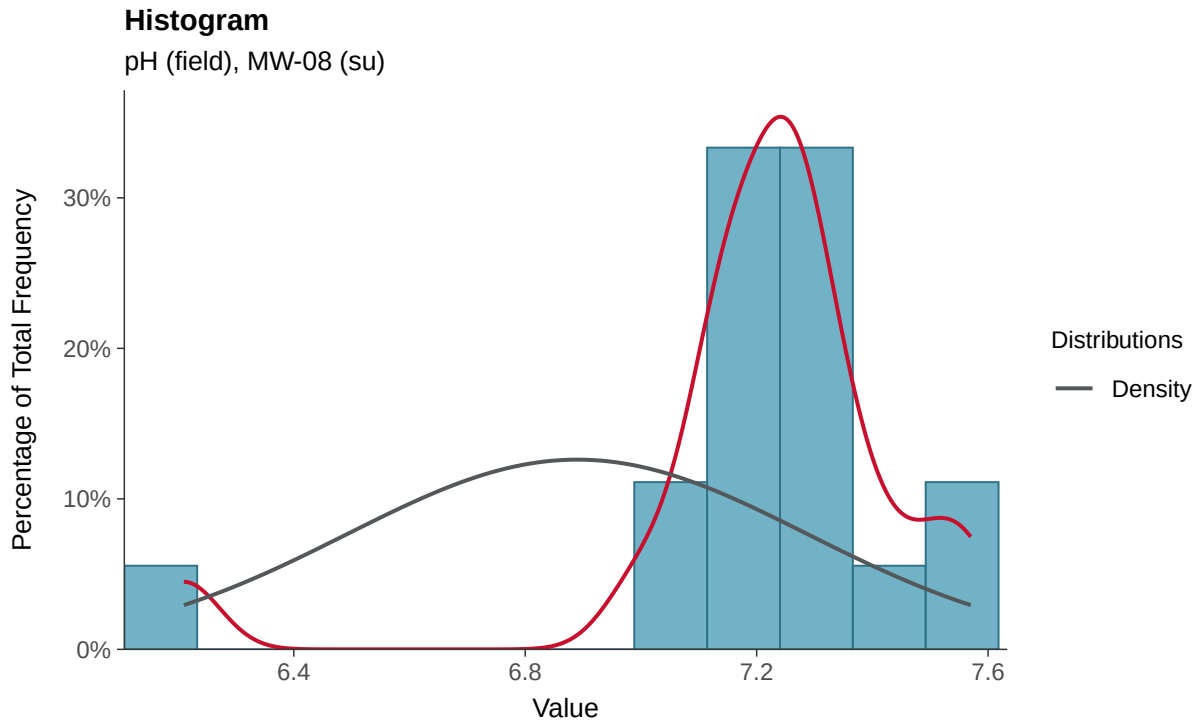
Fluoride, MW-08 (mg/L)



Appendix III: pH (field), MW-08

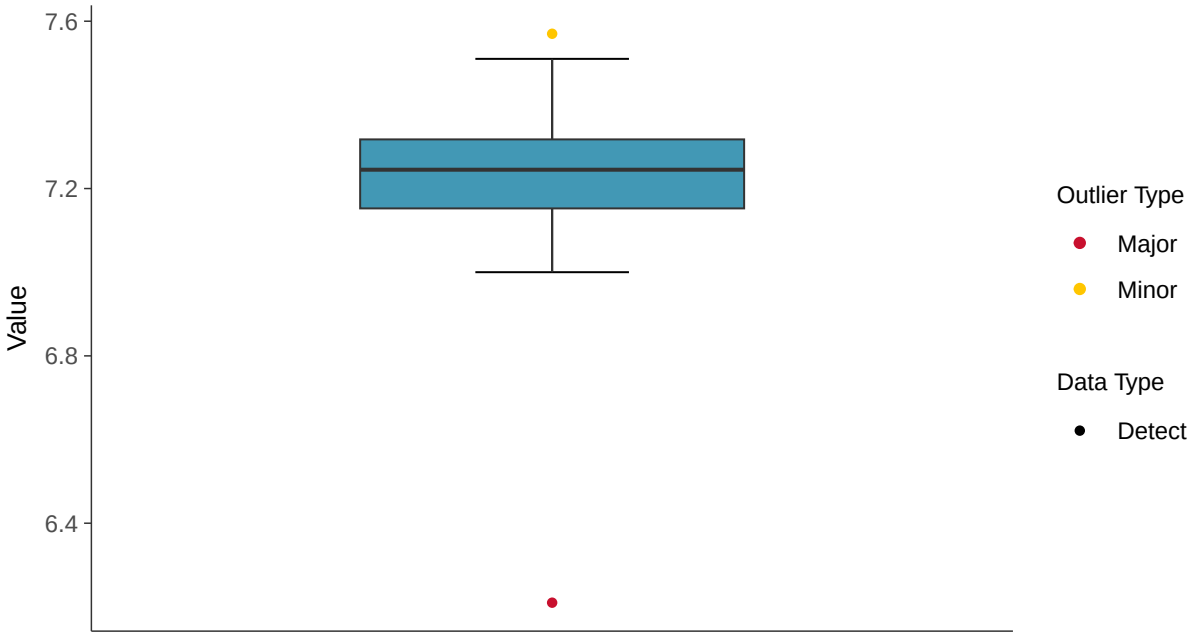
ID: 18_1_3_120





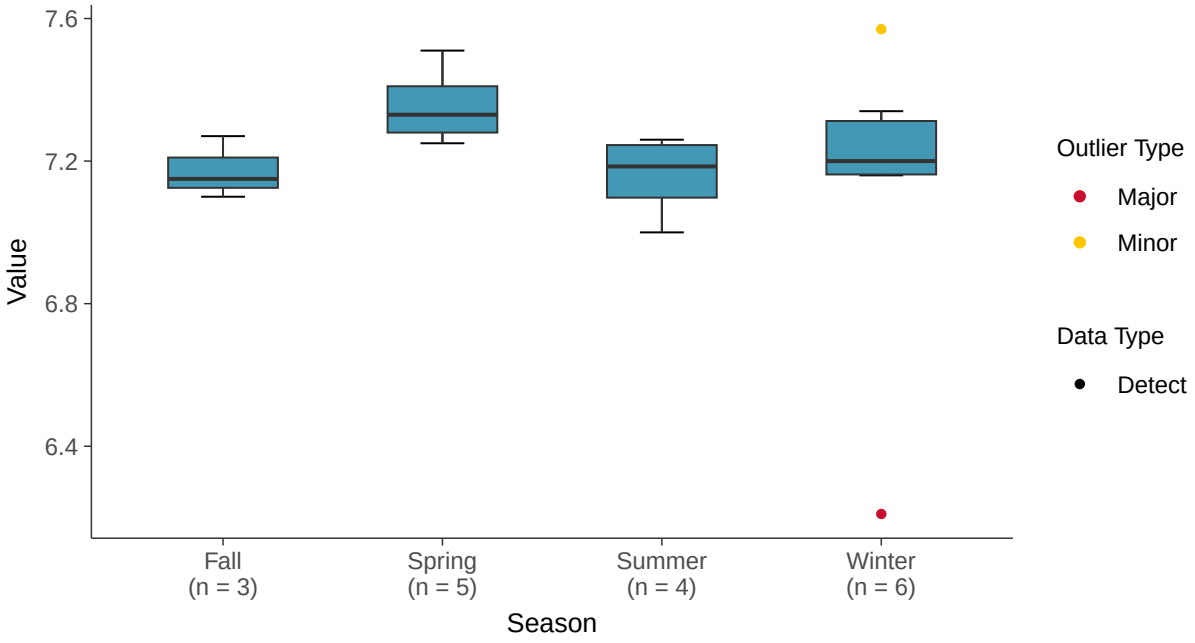
Boxplot

pH (field), MW-08 (su)



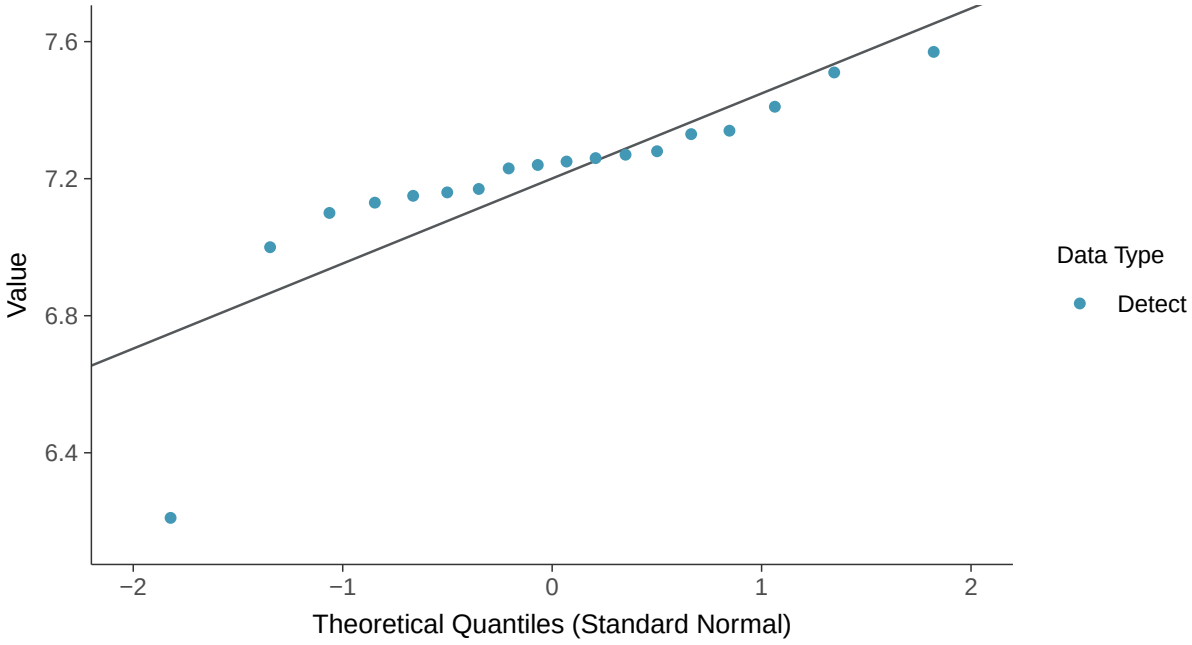
Boxplot by Season

pH (field), MW-08 (su)



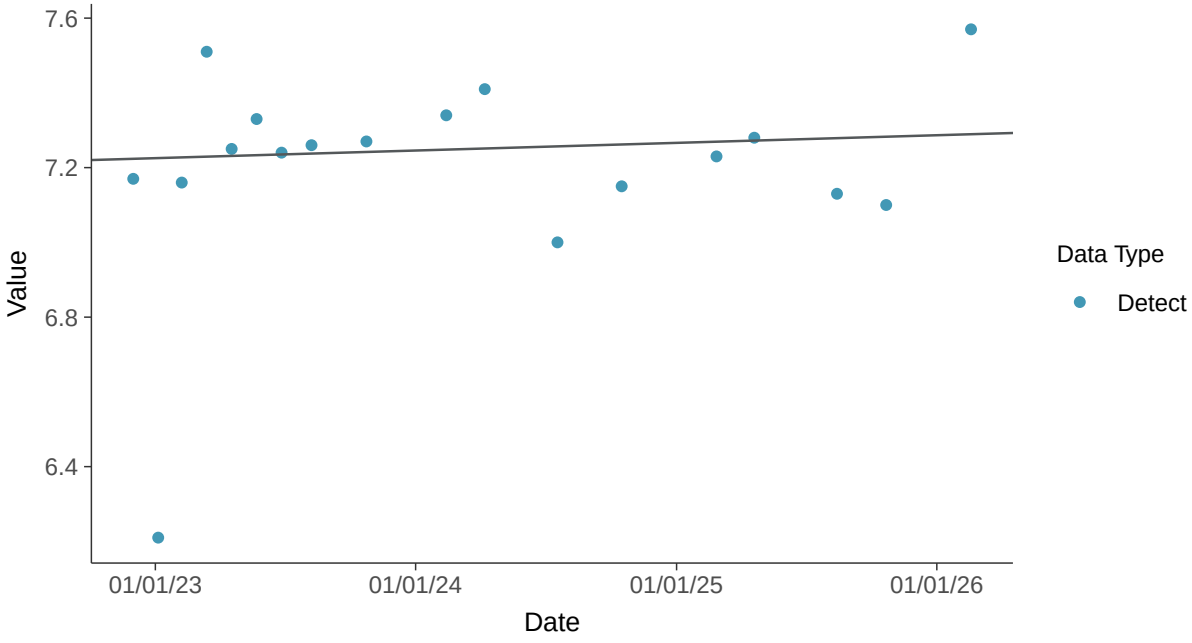
Normal Q-Q plot

pH (field), MW-08 (su)



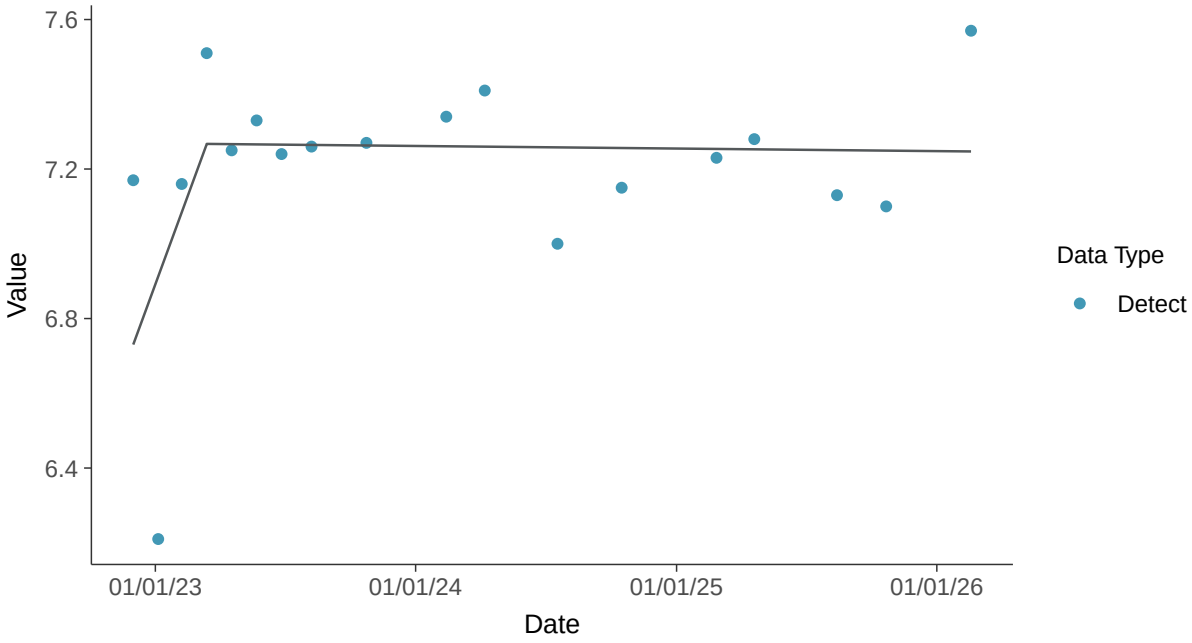
Trend Regression: Mann-Kendall/Theil-Sen Estimate

pH (field), MW-08 (su)



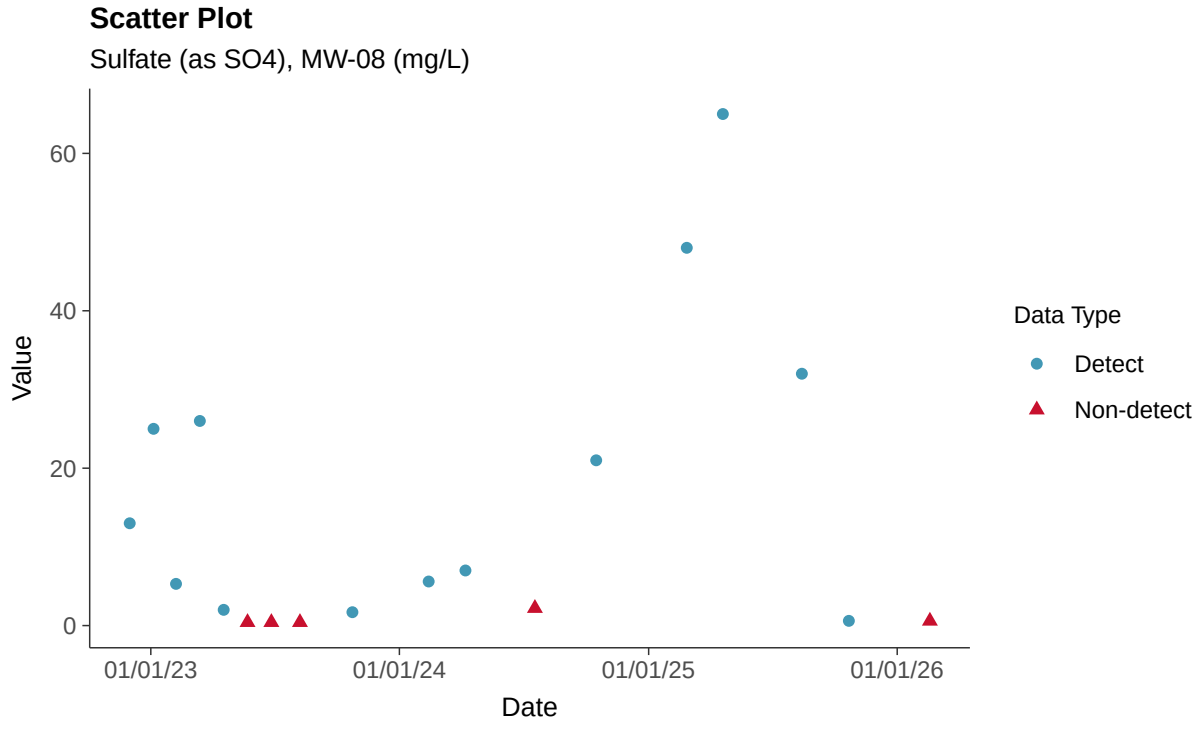
Trend Regression: Piecewise Linear-Linear

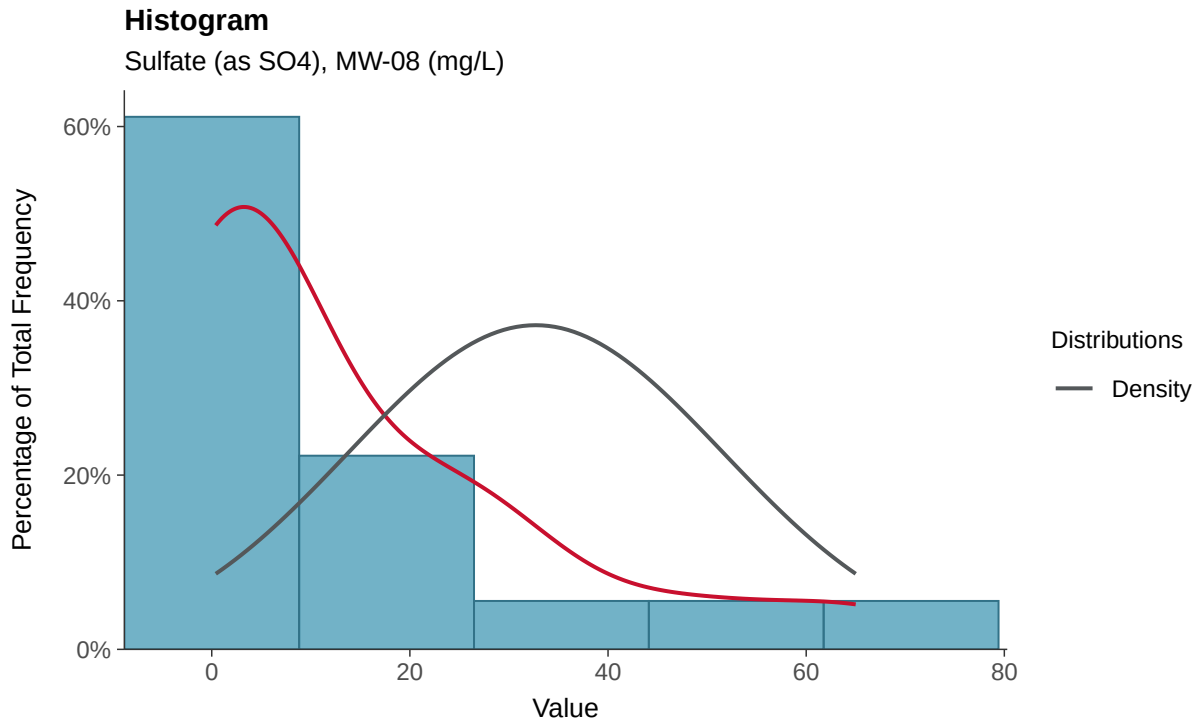
pH (field), MW-08 (su)



Appendix III: Sulfate (as SO4), MW-08

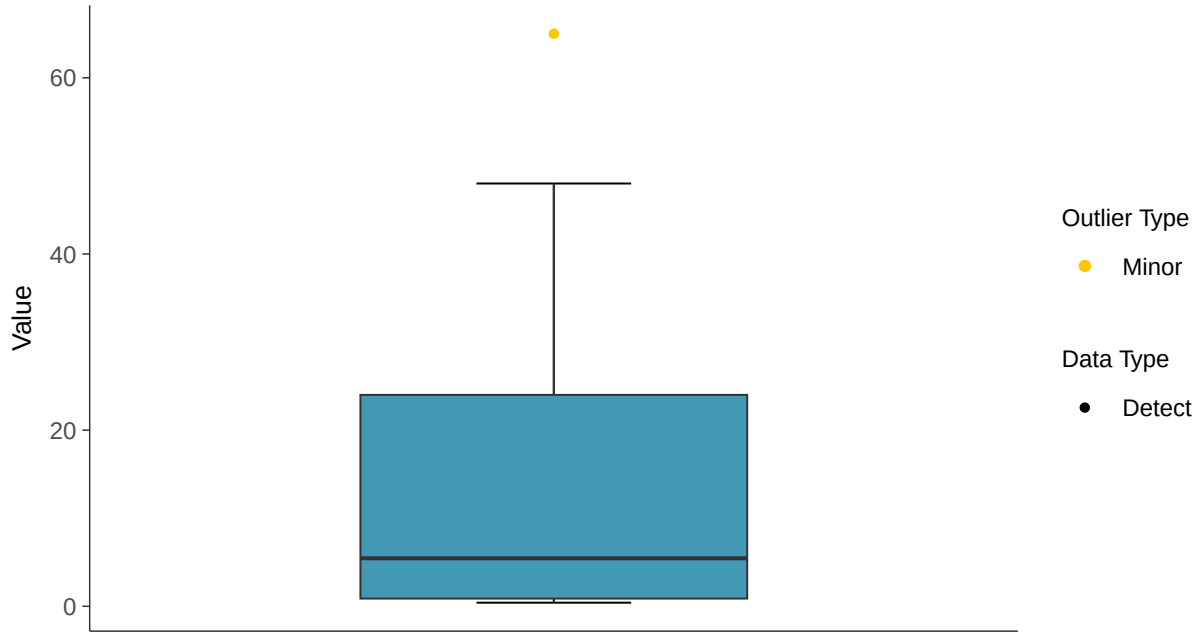
ID: 18_1_3_124





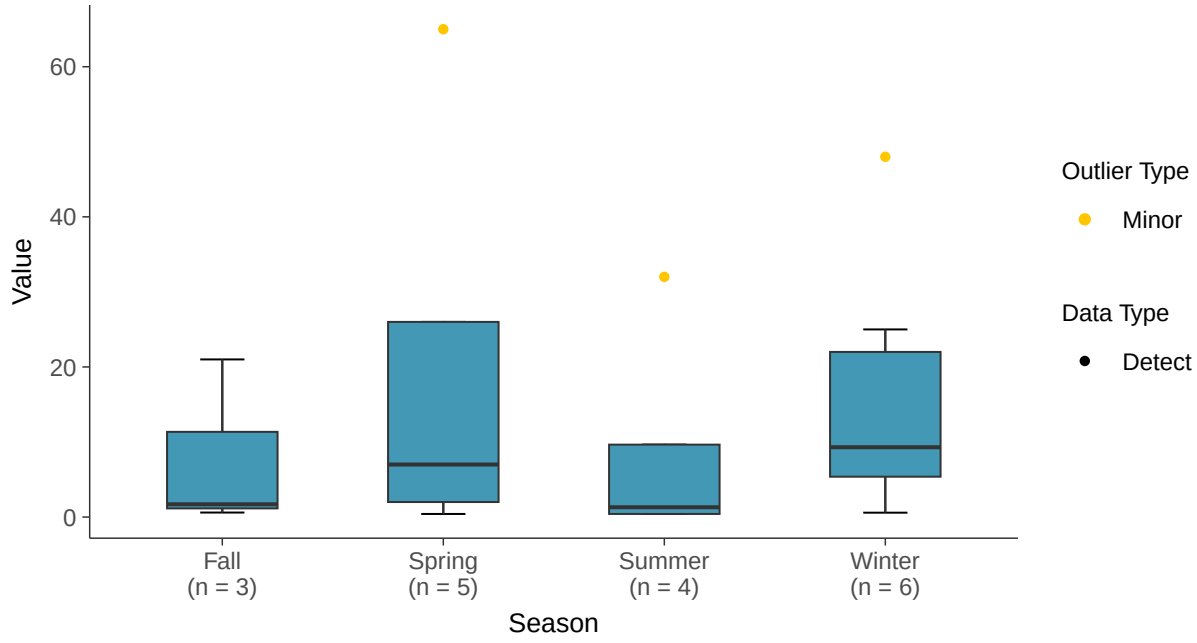
Boxplot

Sulfate (as SO4), MW-08 (mg/L)



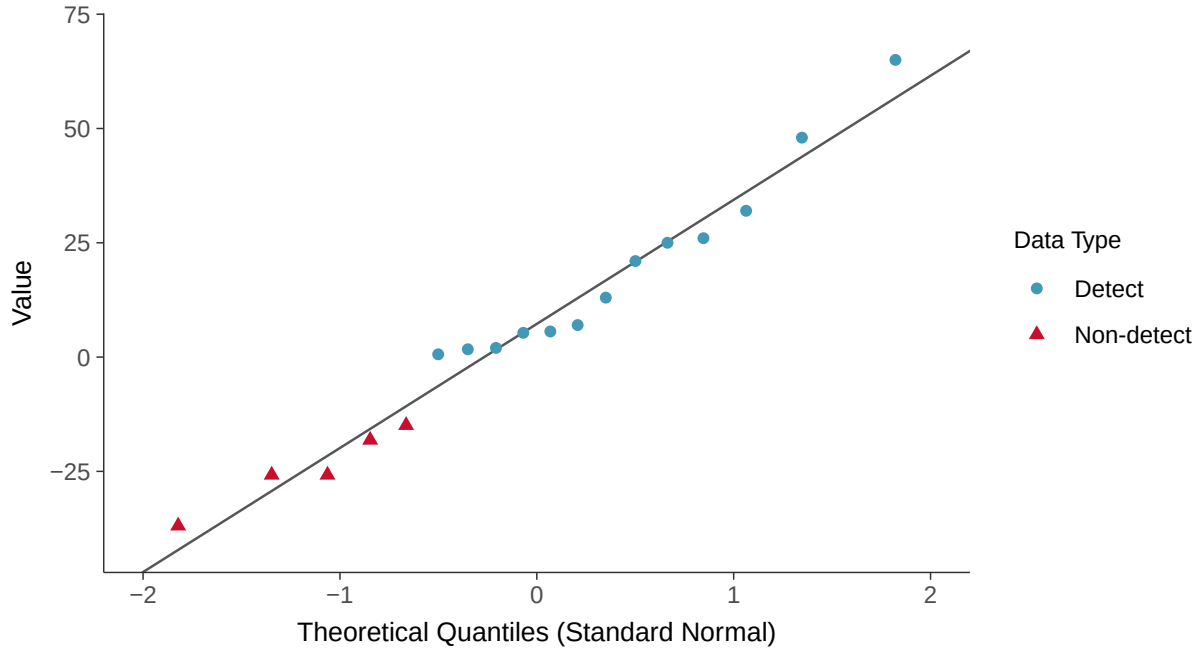
Boxplot by Season

Sulfate (as SO4), MW-08 (mg/L)



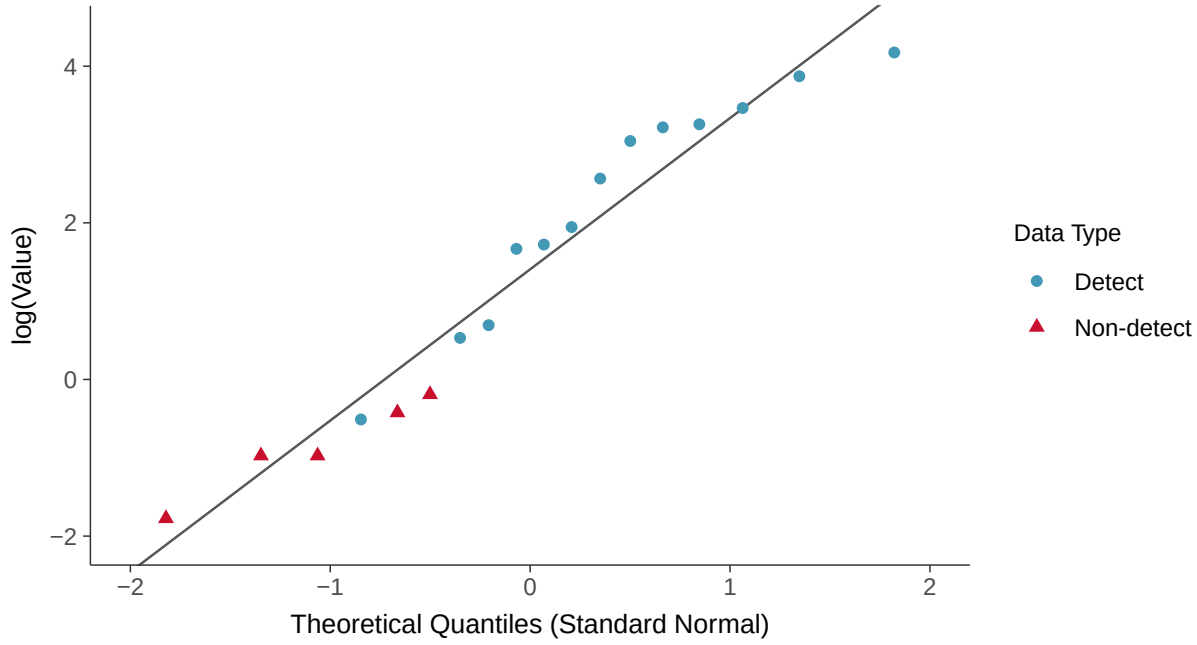
Normal Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-08 (mg/L)



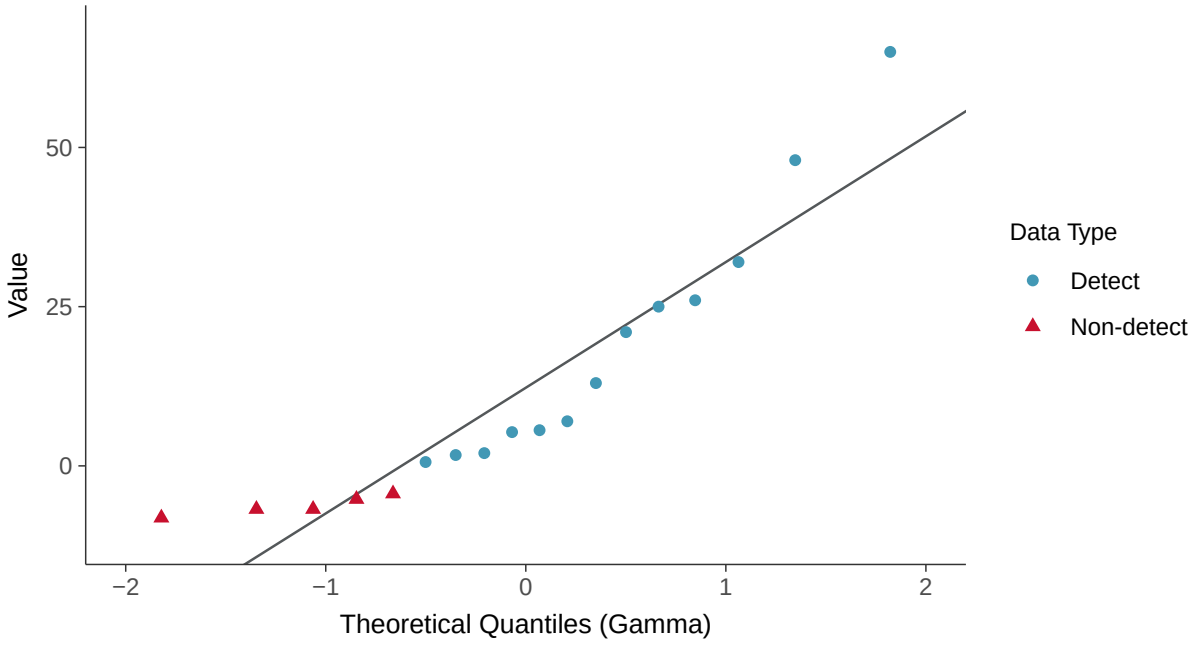
Lognormal Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-08 (mg/L)



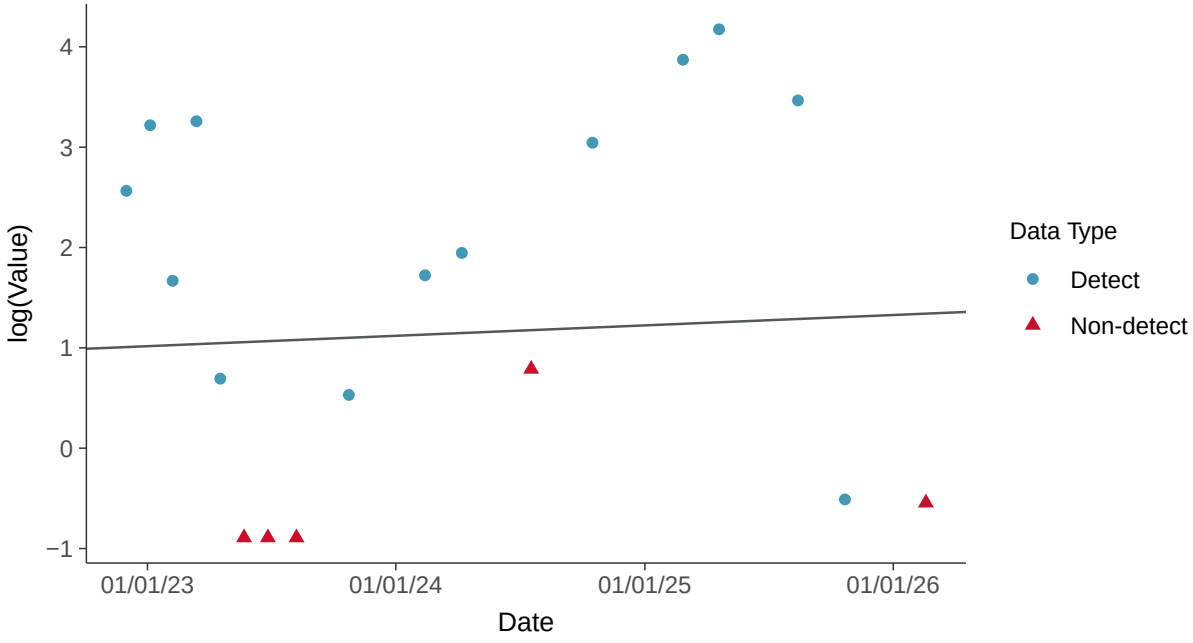
Gamma Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-08 (mg/L)



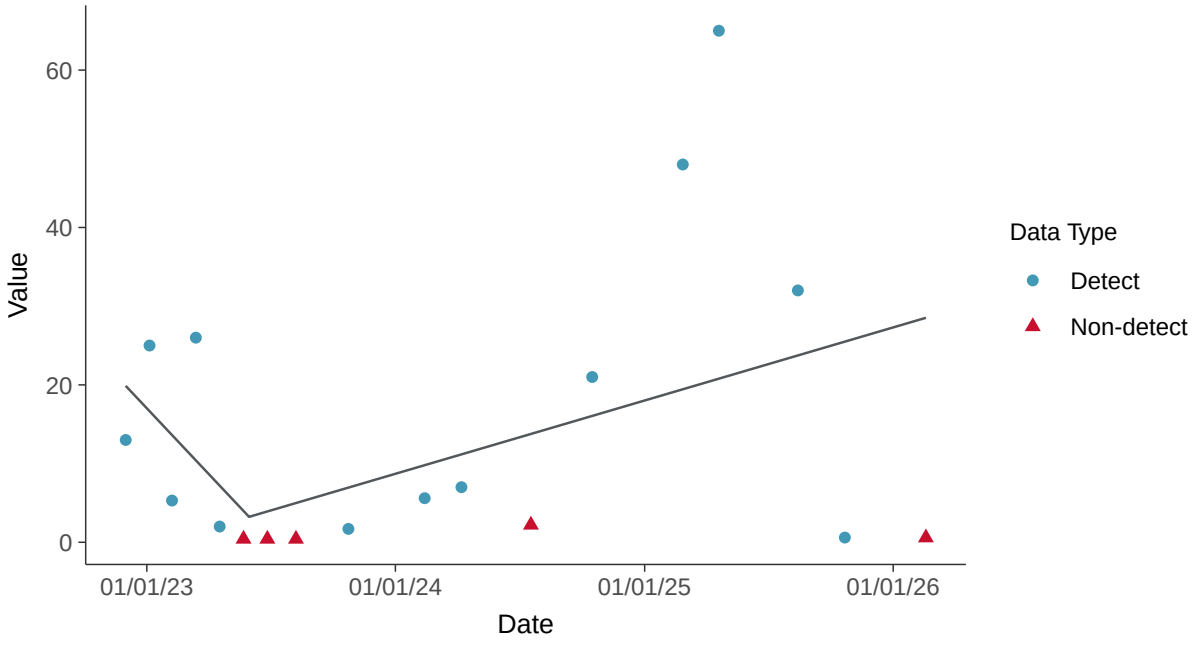
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-08 (mg/L)



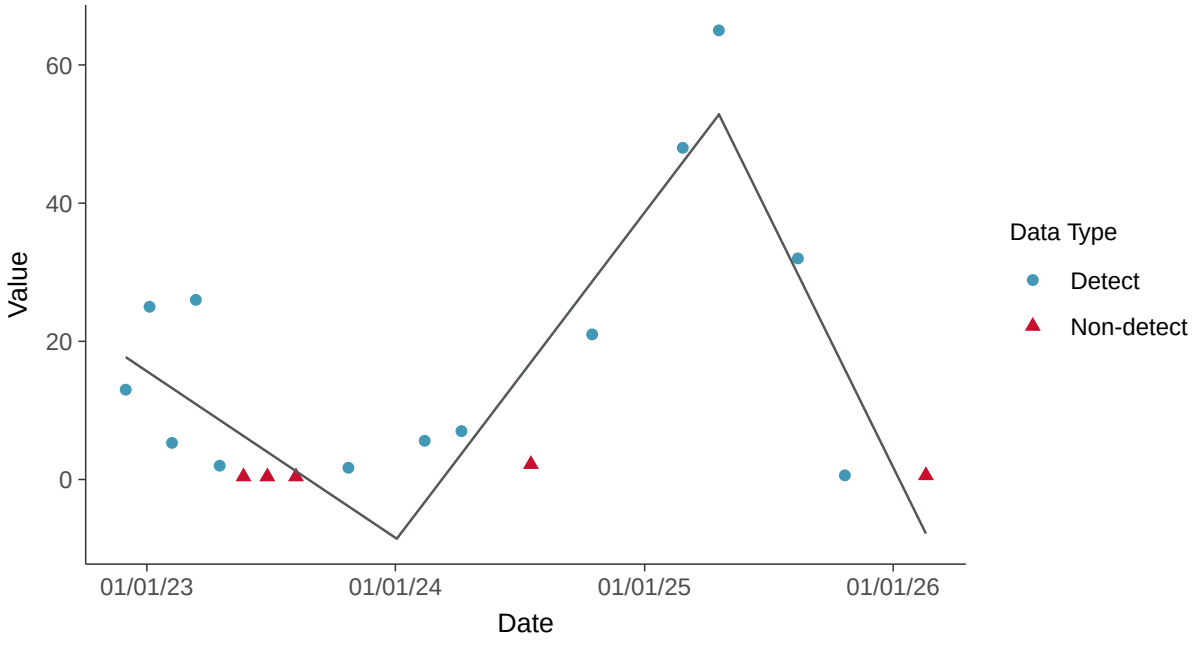
Trend Regression: Piecewise Linear-Linear

Sulfate (as SO4), MW-08 (mg/L)



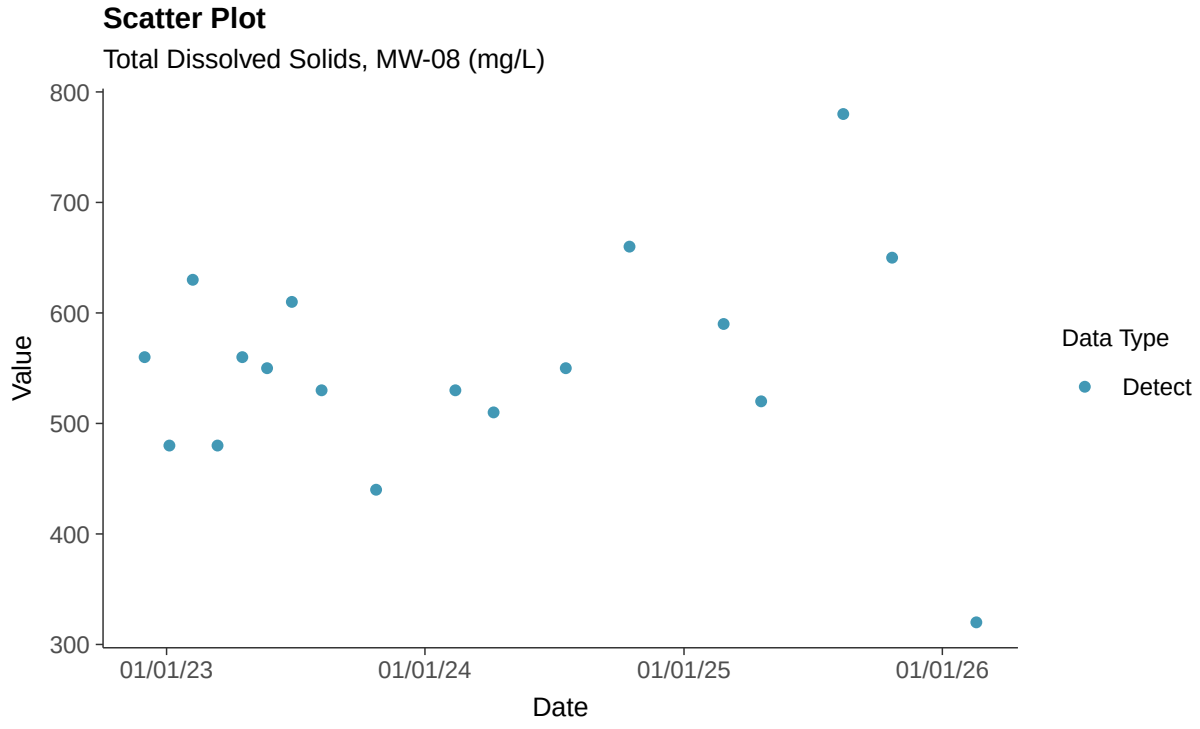
Trend Regression: Piecewise Linear-Linear-Linear

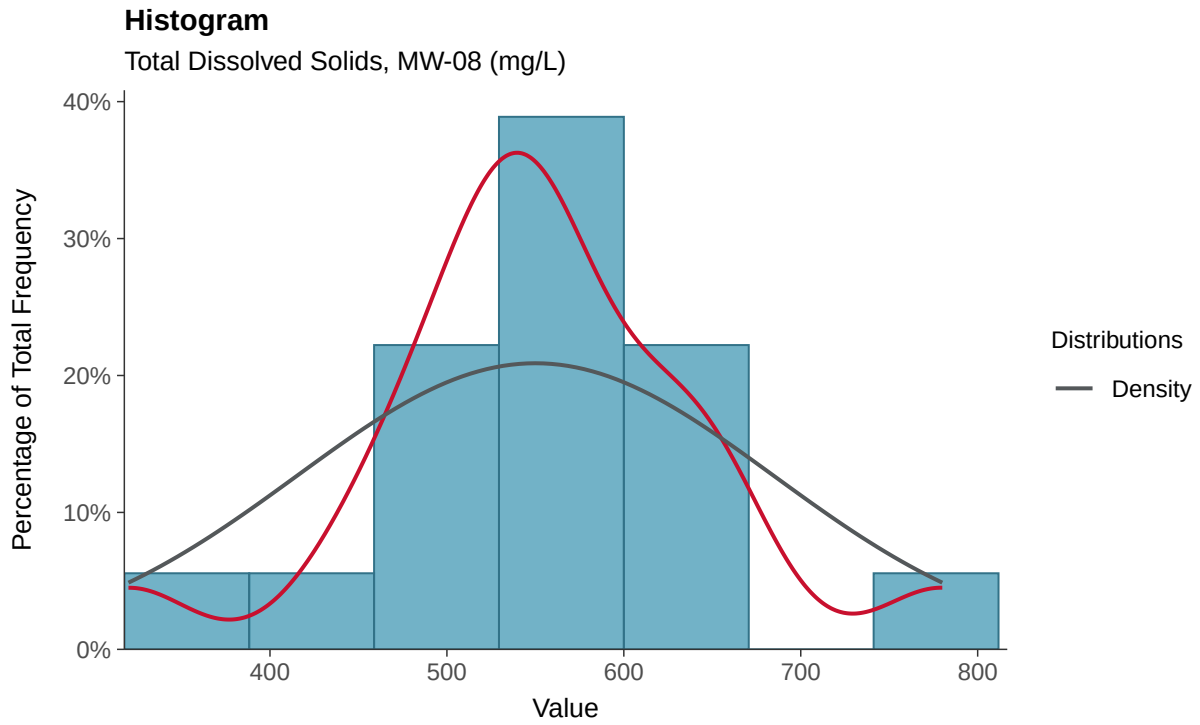
Sulfate (as SO4), MW-08 (mg/L)



Appendix III: Total Dissolved Solids, MW-08

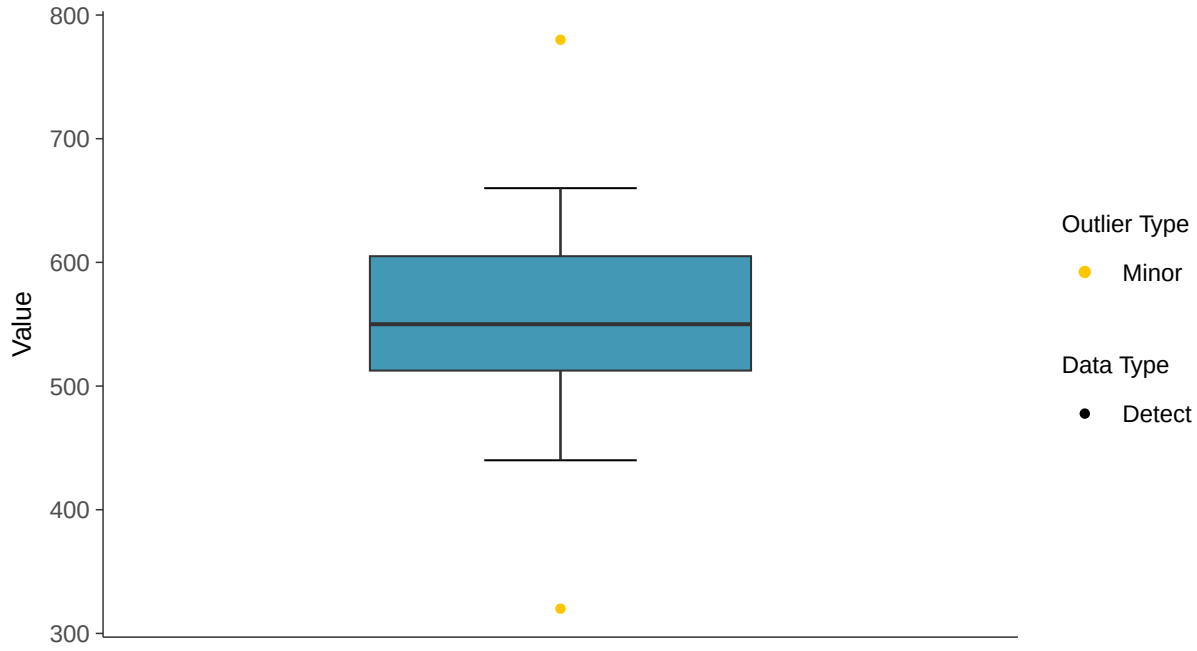
ID: 18_1_3_126





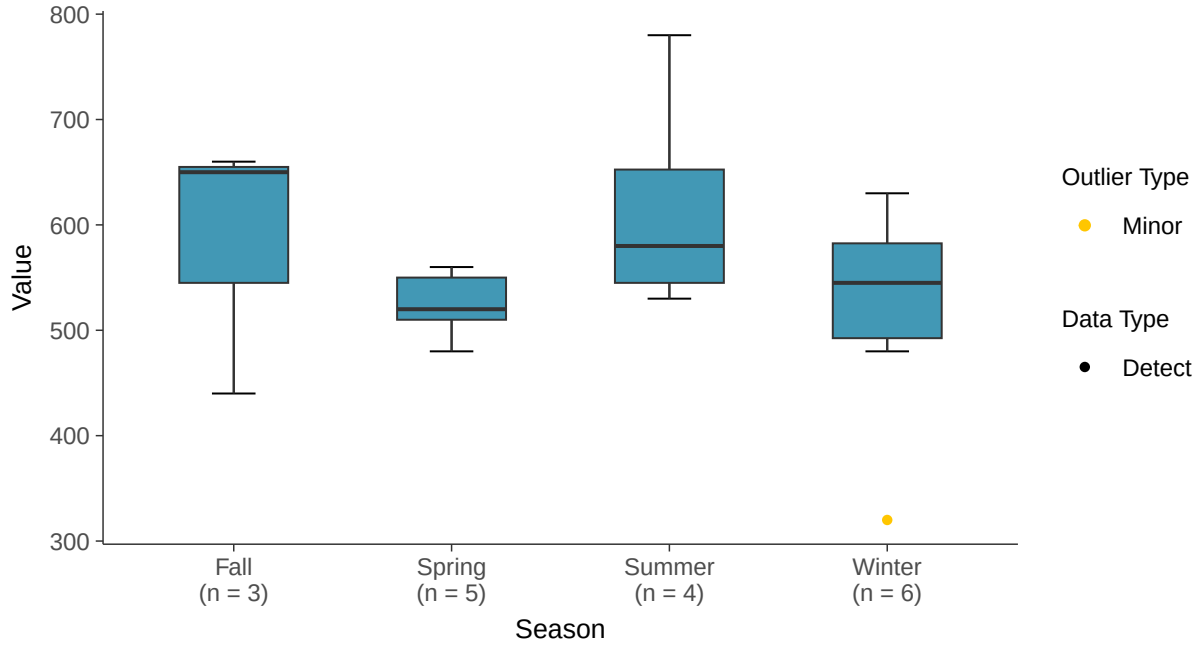
Boxplot

Total Dissolved Solids, MW-08 (mg/L)



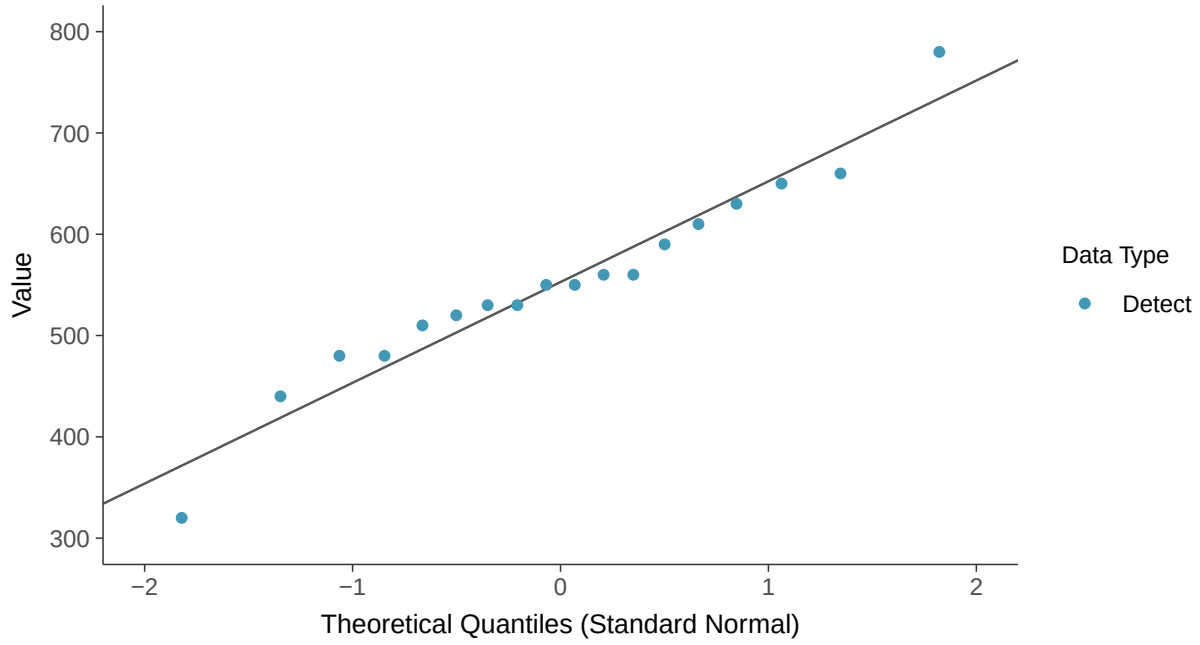
Boxplot by Season

Total Dissolved Solids, MW-08 (mg/L)



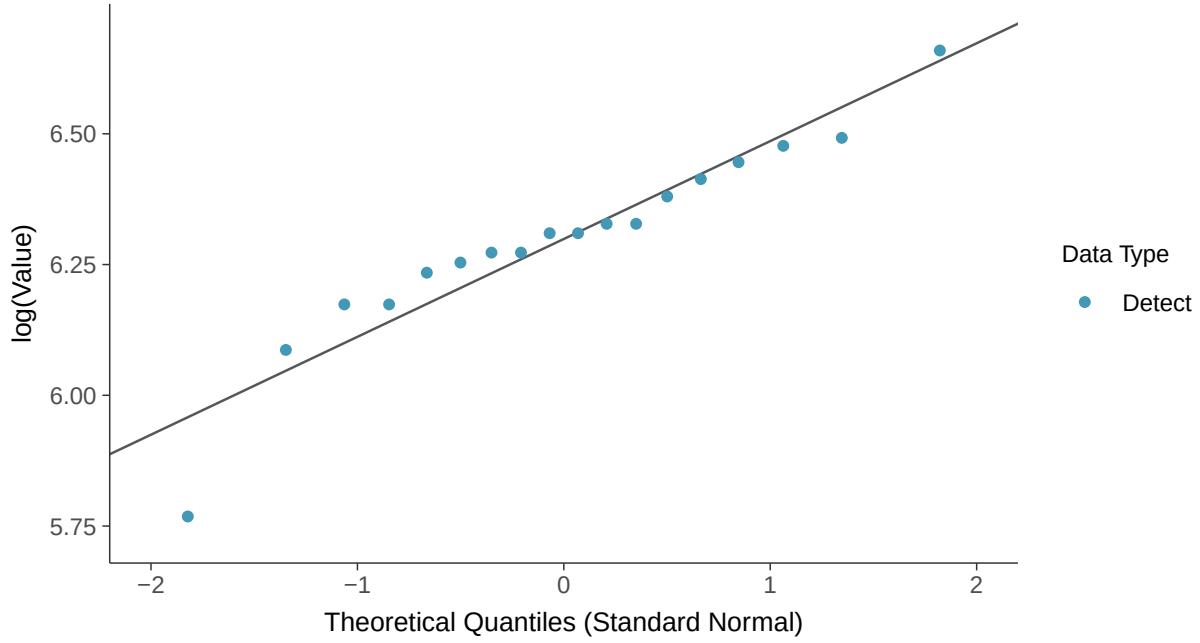
Normal Q-Q plot

Total Dissolved Solids, MW-08 (mg/L)



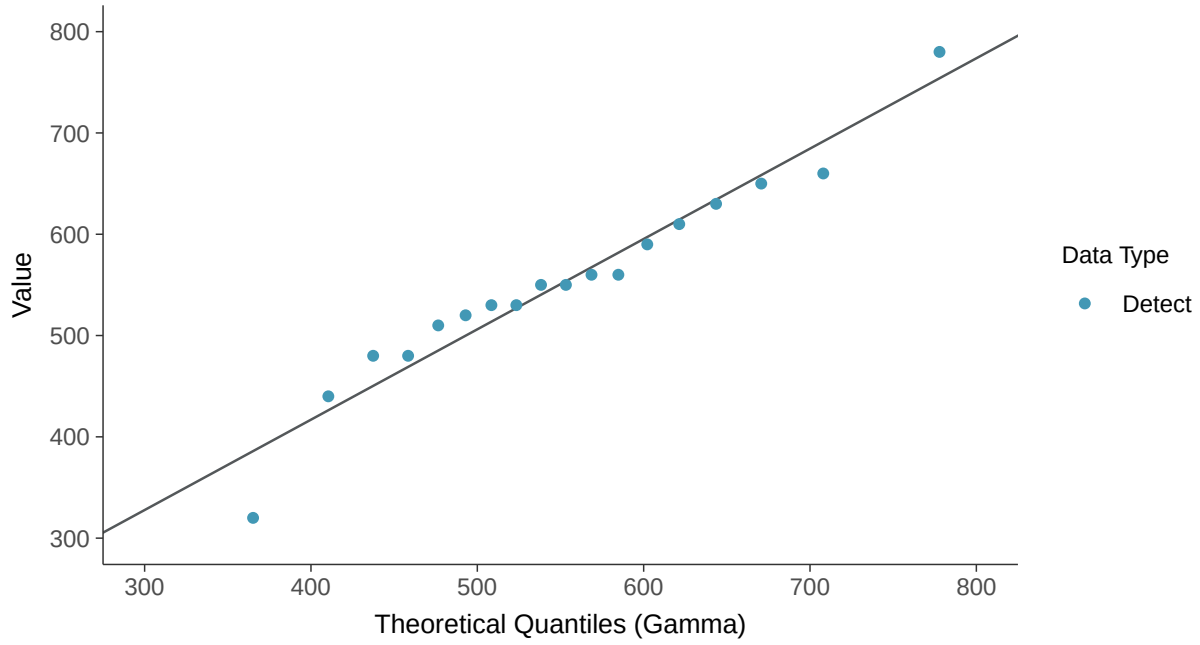
Lognormal Q-Q plot

Total Dissolved Solids, MW-08 (mg/L)



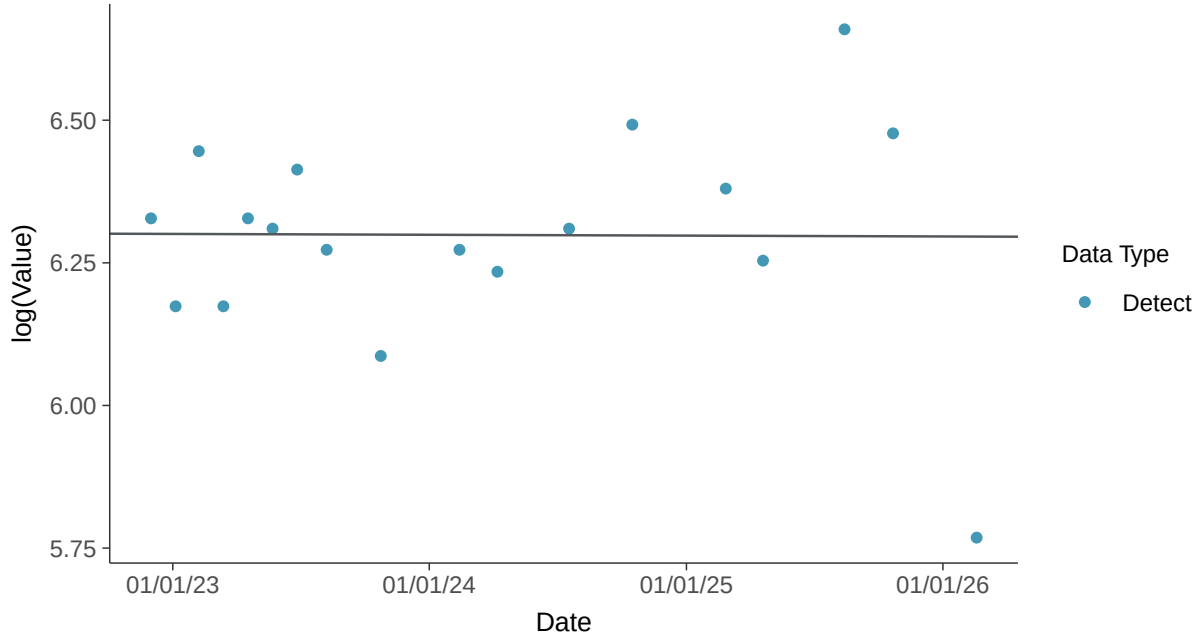
Gamma Q-Q plot

Total Dissolved Solids, MW-08 (mg/L)



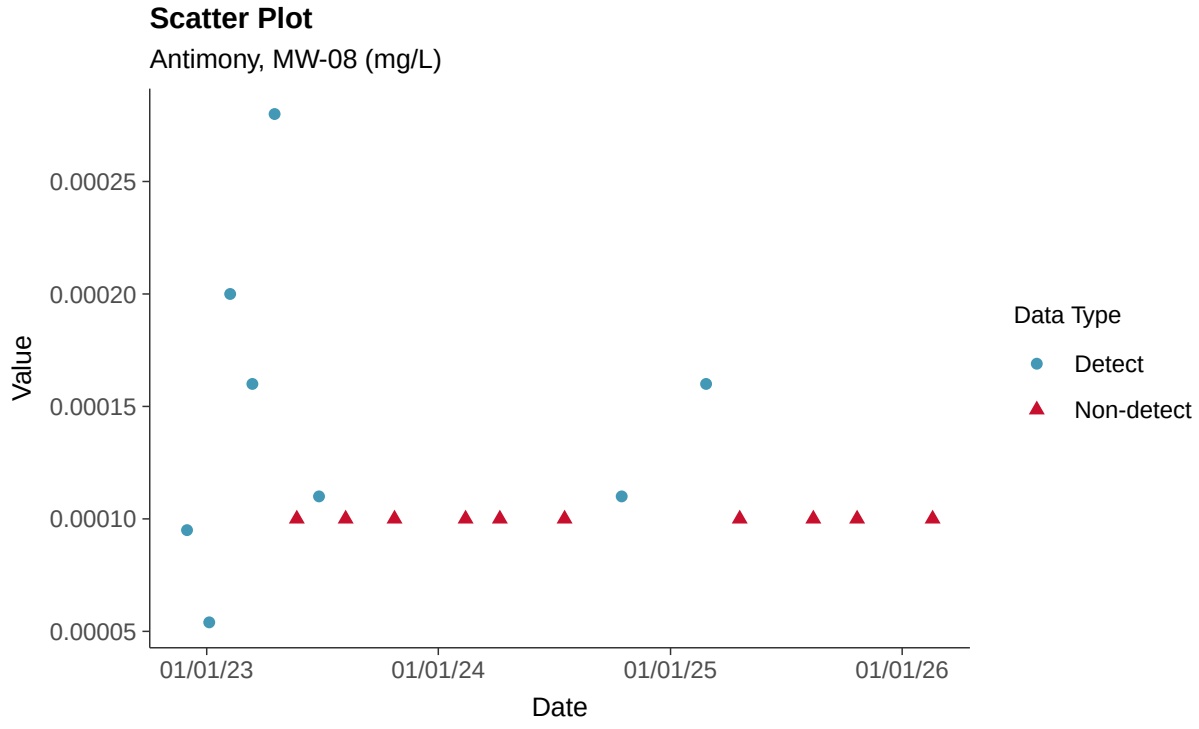
Trend Regression: Lognormal MLE

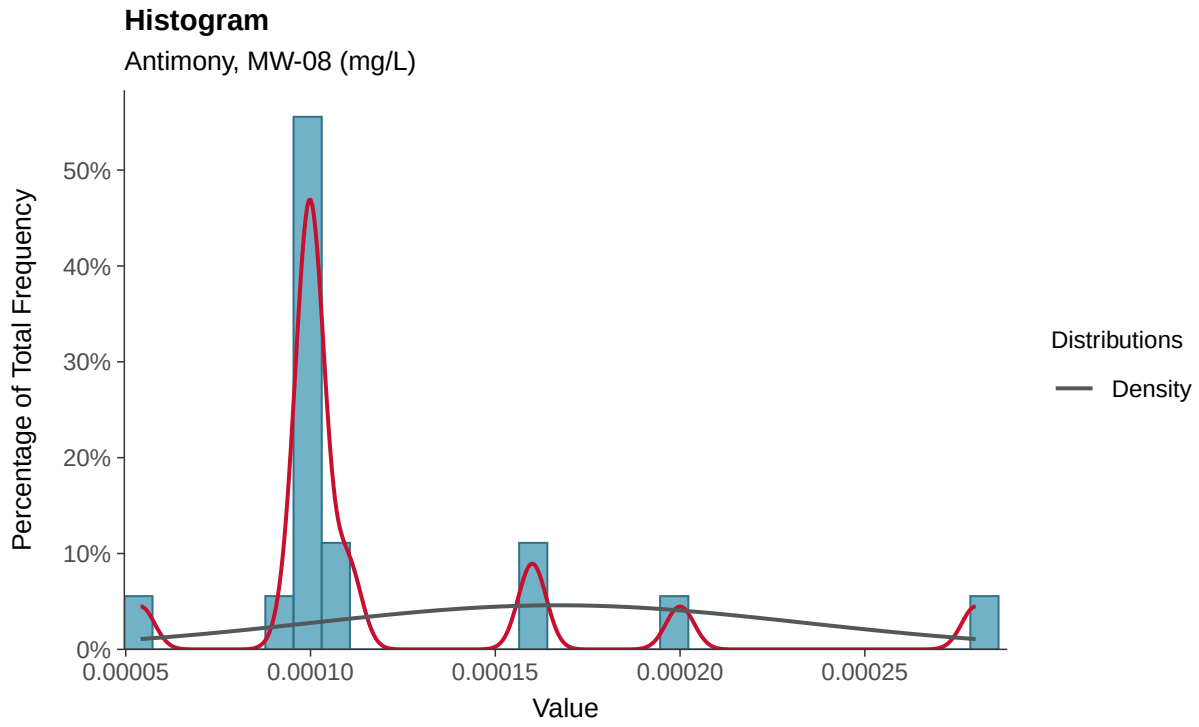
Total Dissolved Solids, MW-08 (mg/L)



Appendix IV: Antimony, MW-08

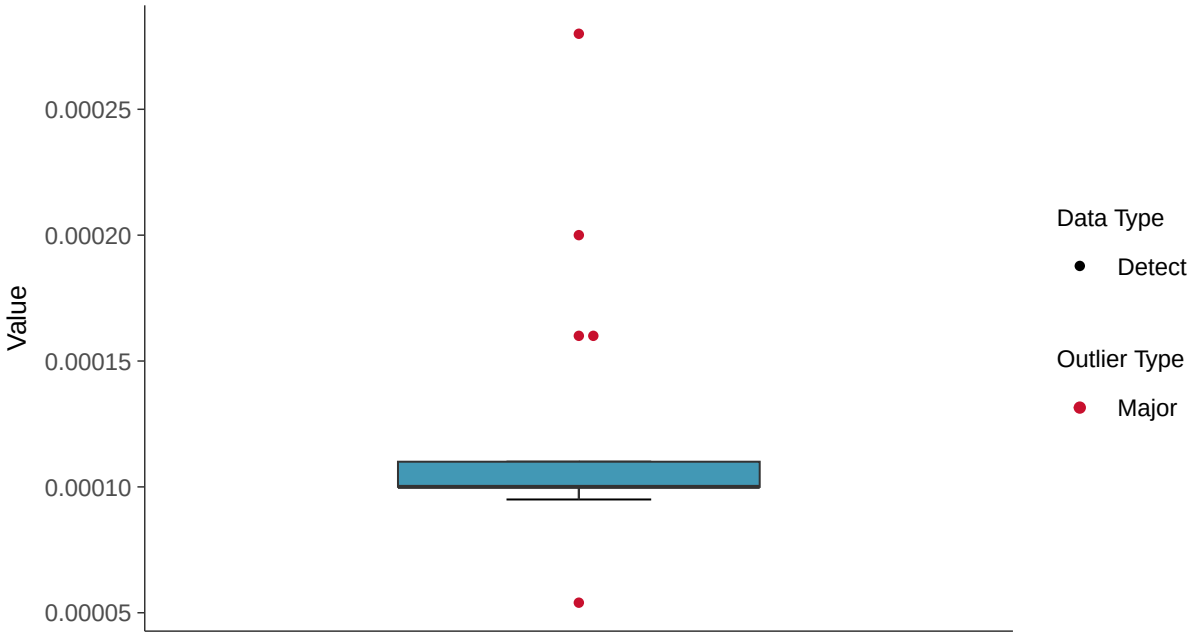
ID: 18_1_4_101





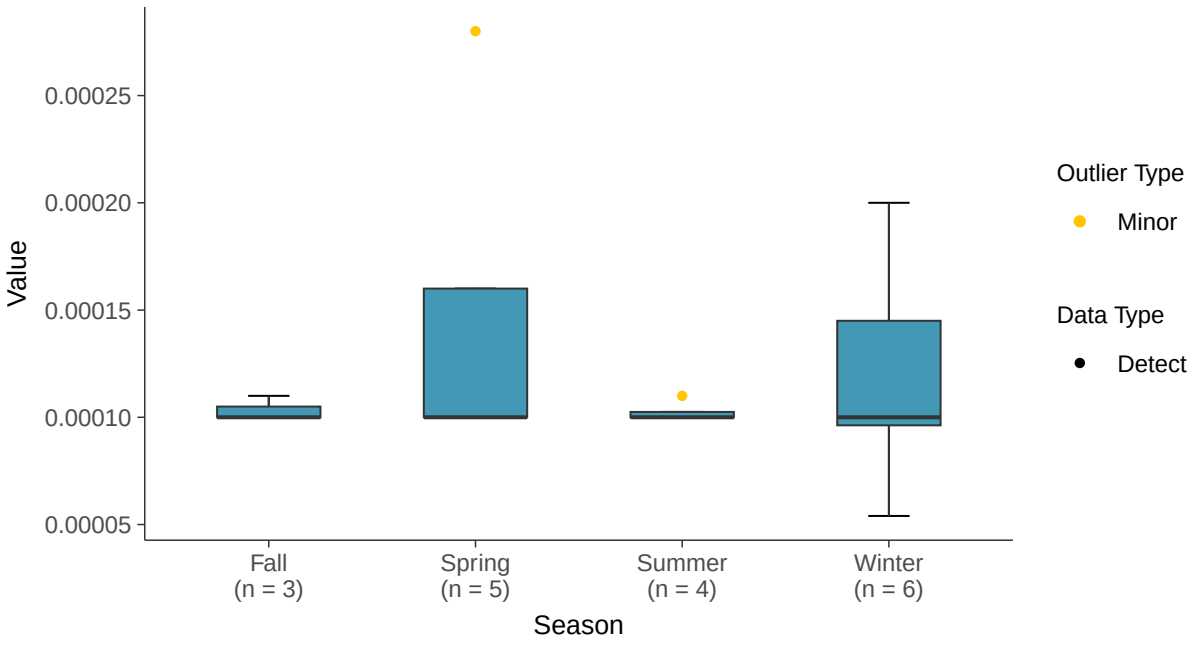
Boxplot

Antimony, MW-08 (mg/L)



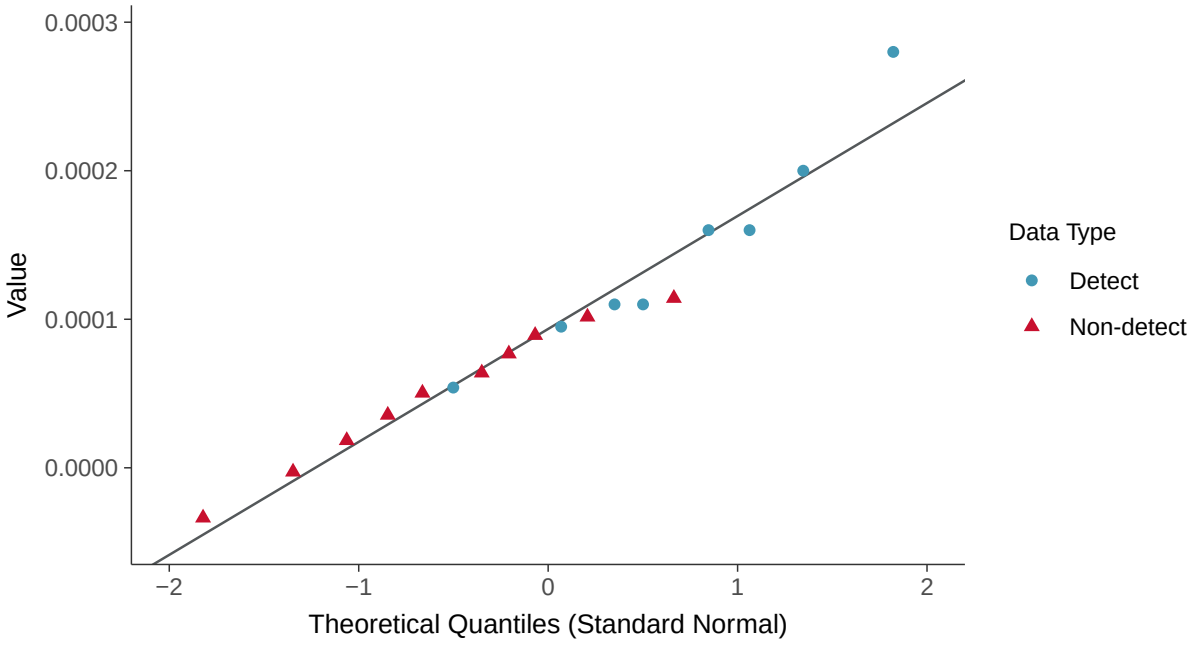
Boxplot by Season

Antimony, MW-08 (mg/L)



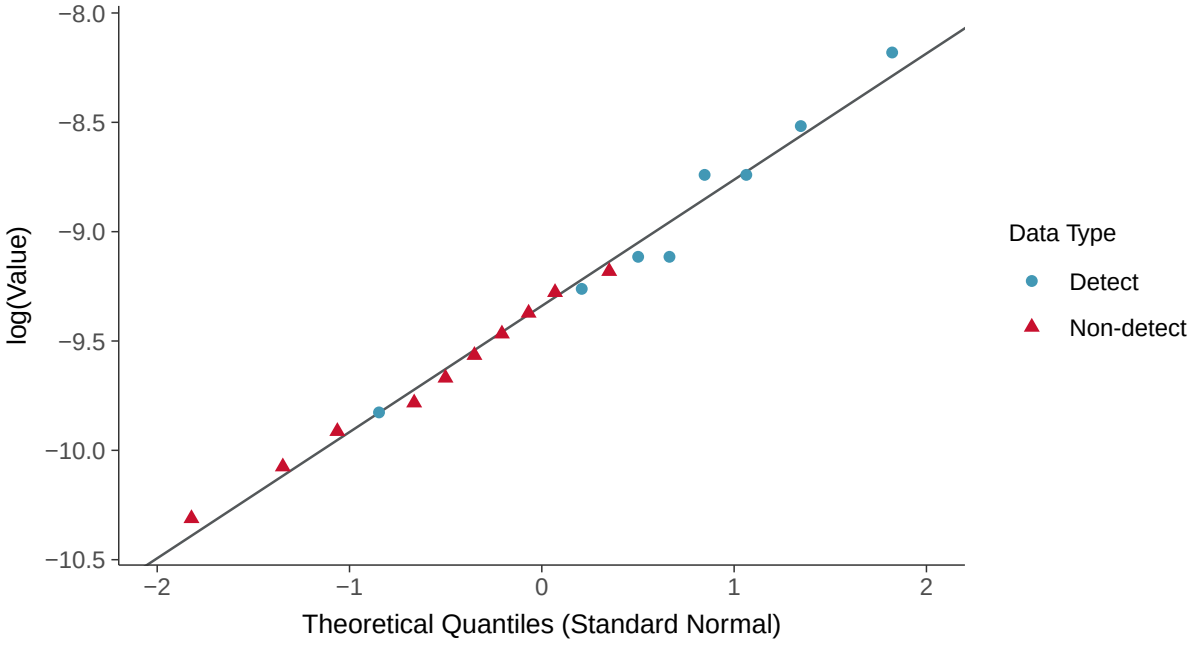
Normal Q-Q plot using ROS Imputed Estimates

Antimony, MW-08 (mg/L)



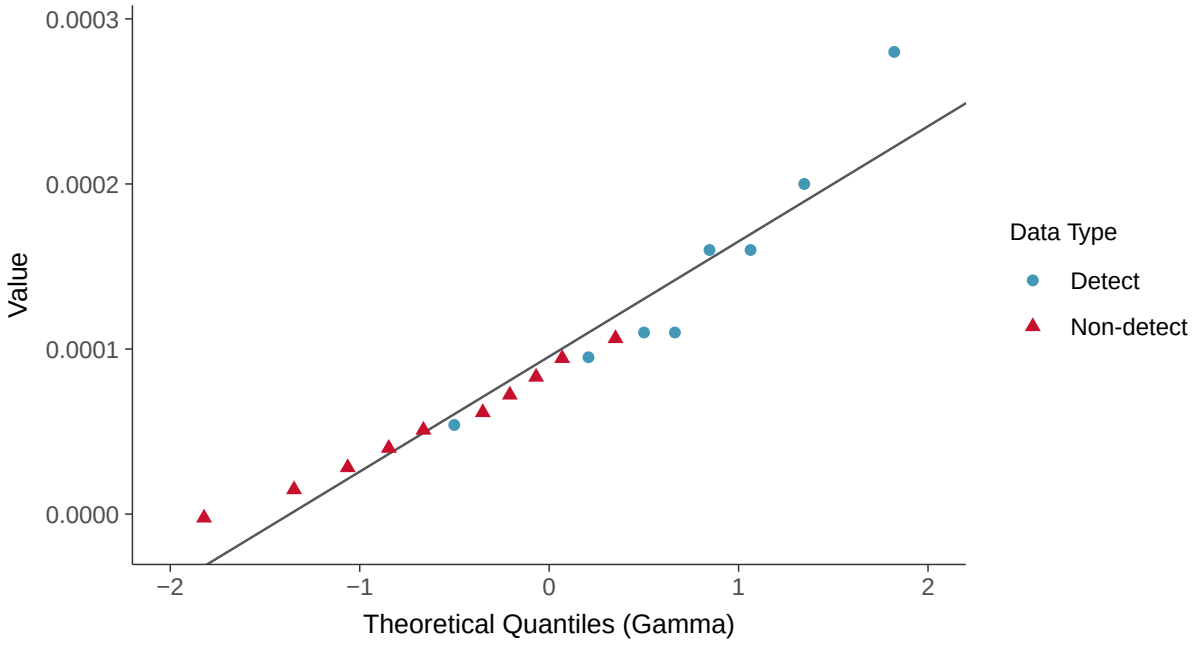
Lognormal Q-Q plot using ROS Imputed Estimates

Antimony, MW-08 (mg/L)



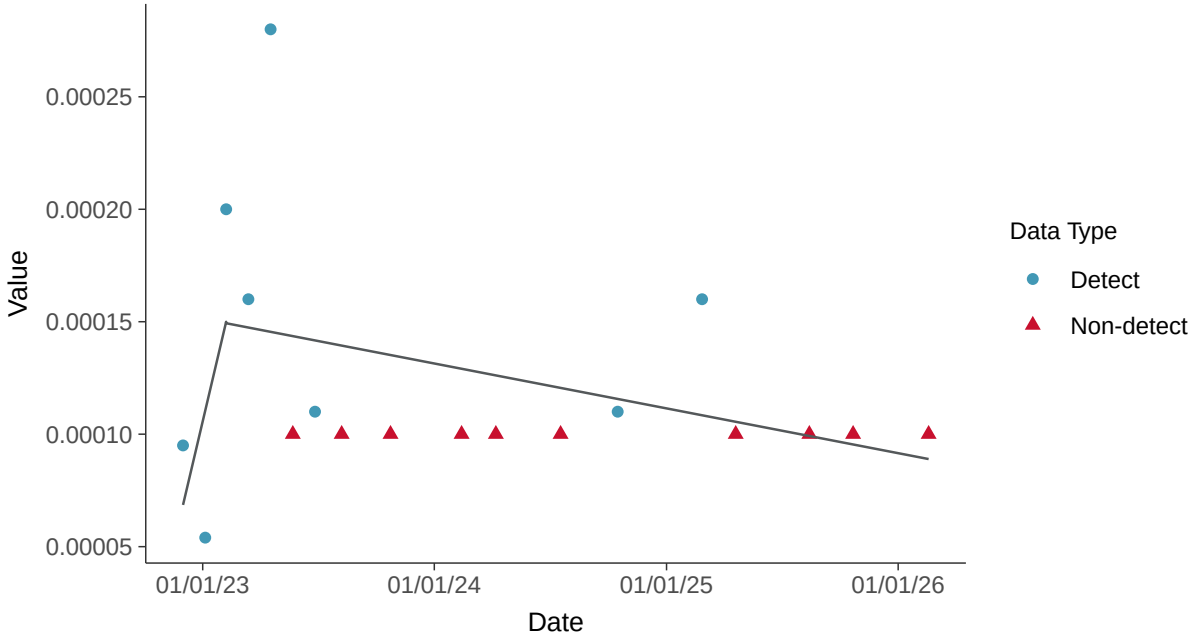
Gamma Q-Q plot using ROS Imputed Estimates

Antimony, MW-08 (mg/L)



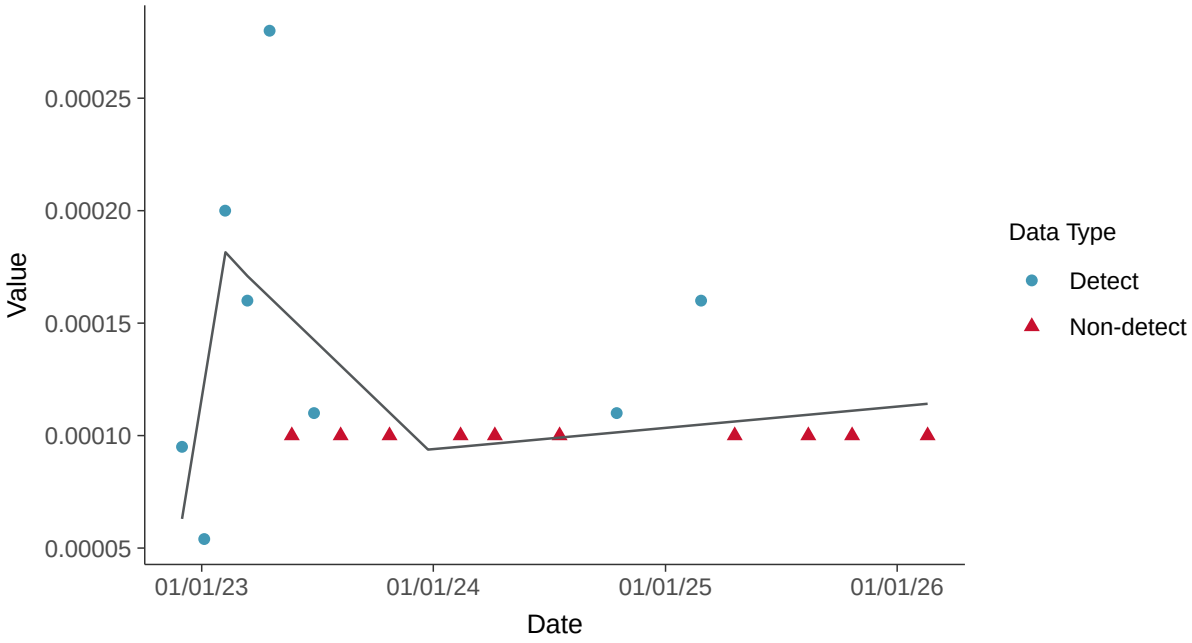
Trend Regression: Piecewise Linear-Linear

Antimony, MW-08 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Antimony, MW-08 (mg/L)

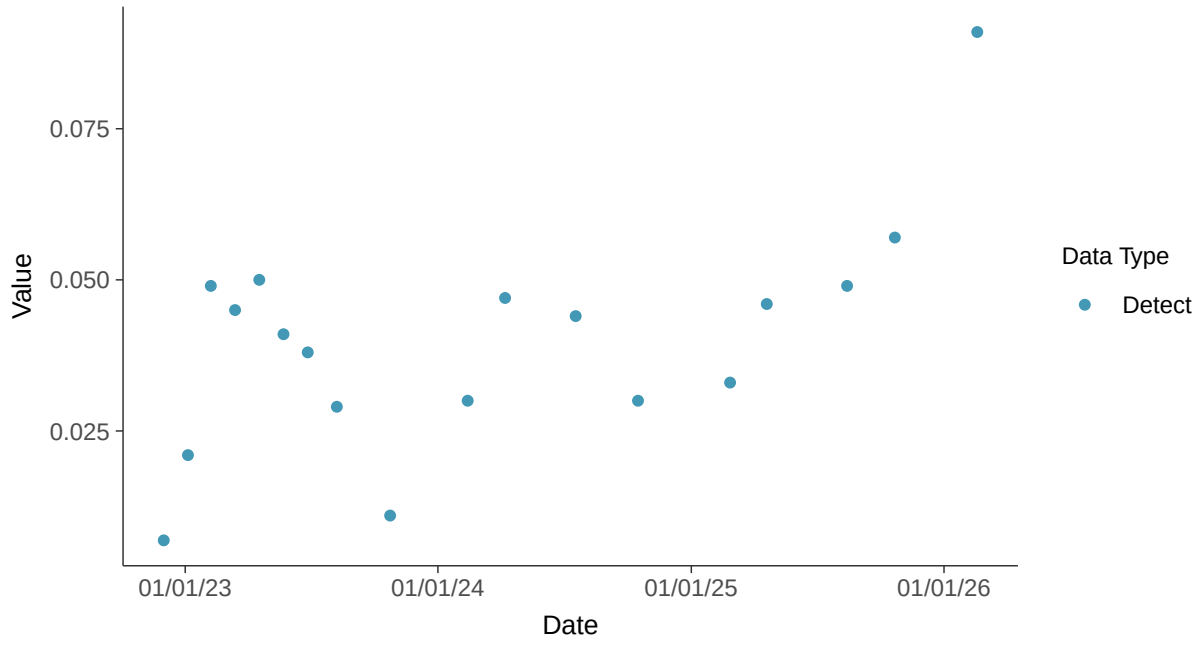


Appendix IV: Arsenic, MW-08

ID: 18_1_4_102

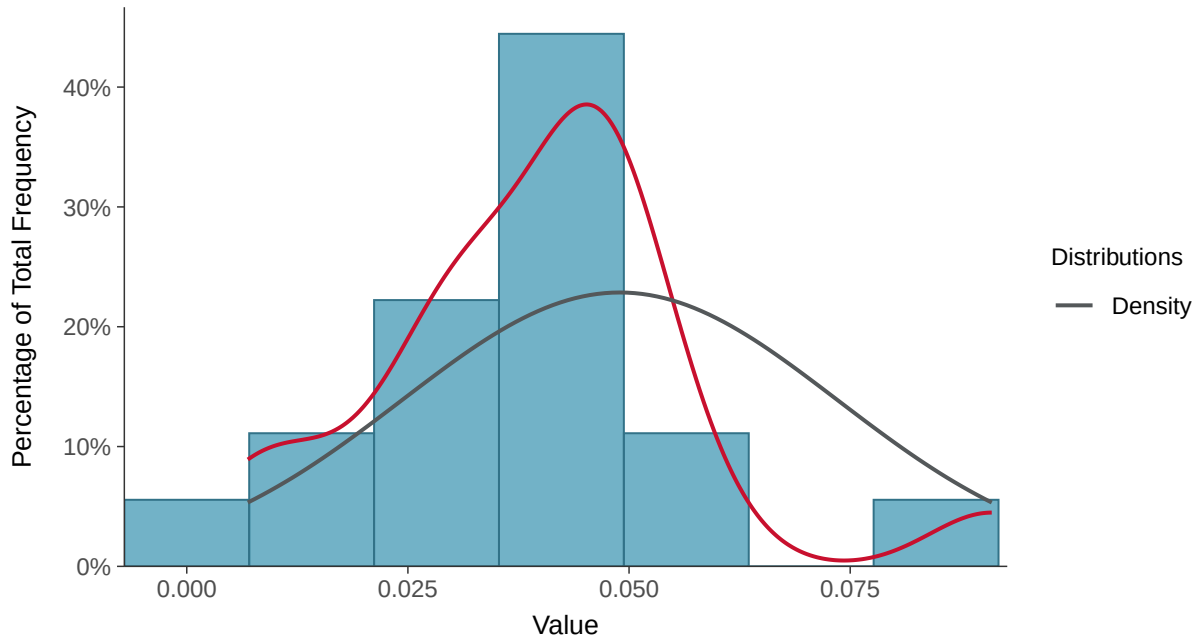
Scatter Plot

Arsenic, MW-08 (mg/L)



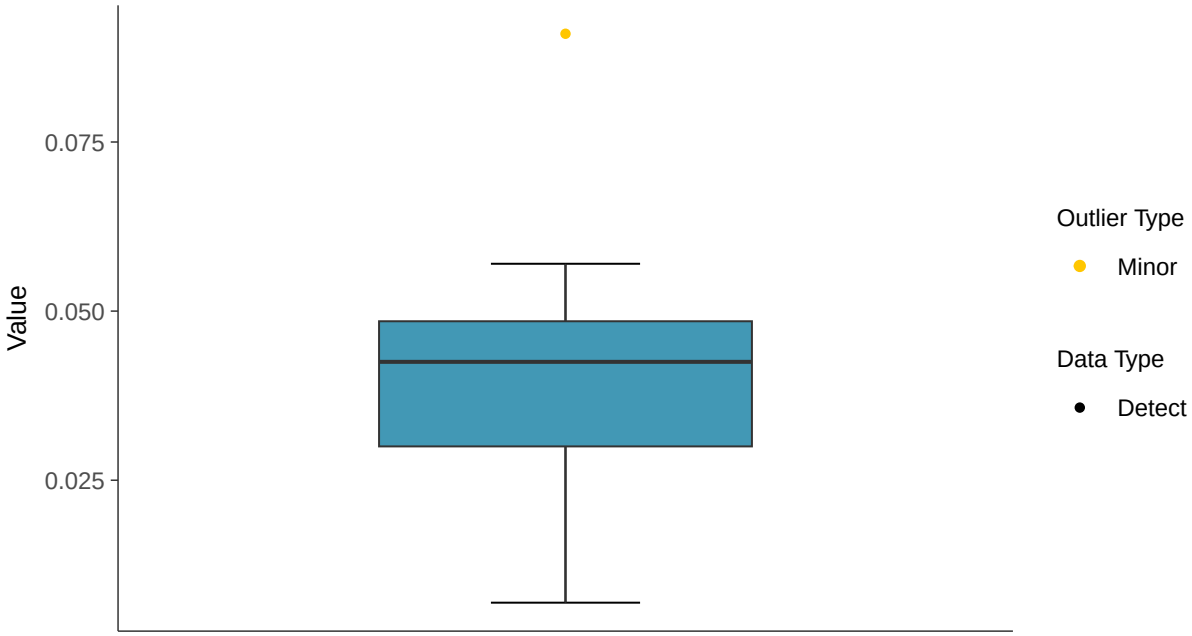
Histogram

Arsenic, MW-08 (mg/L)



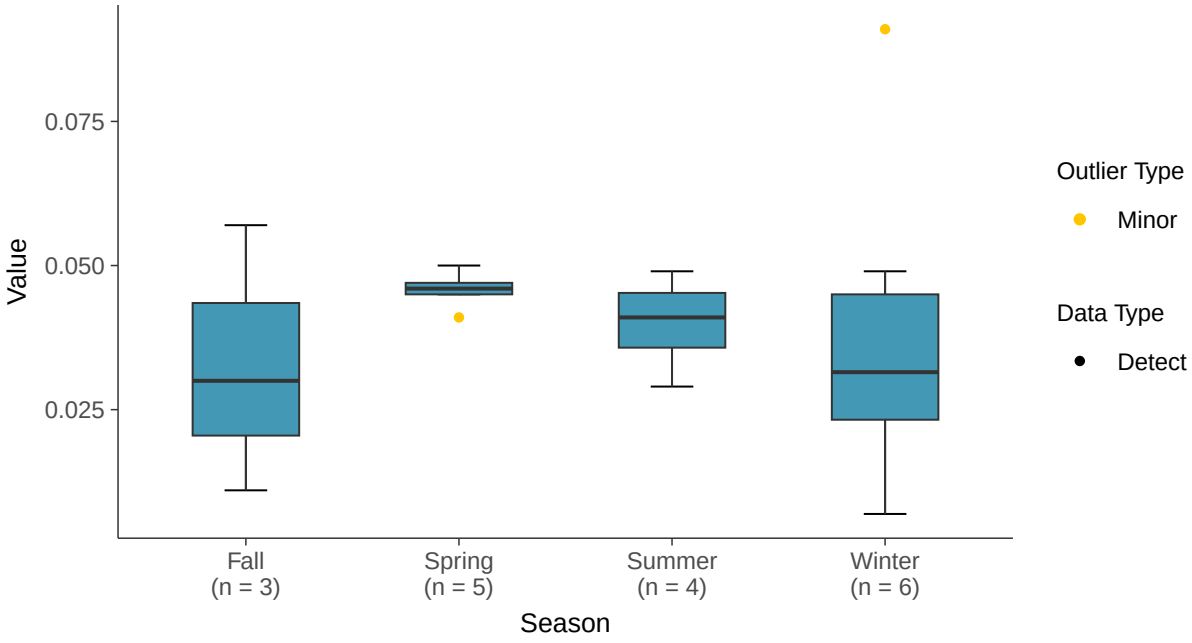
Boxplot

Arsenic, MW-08 (mg/L)



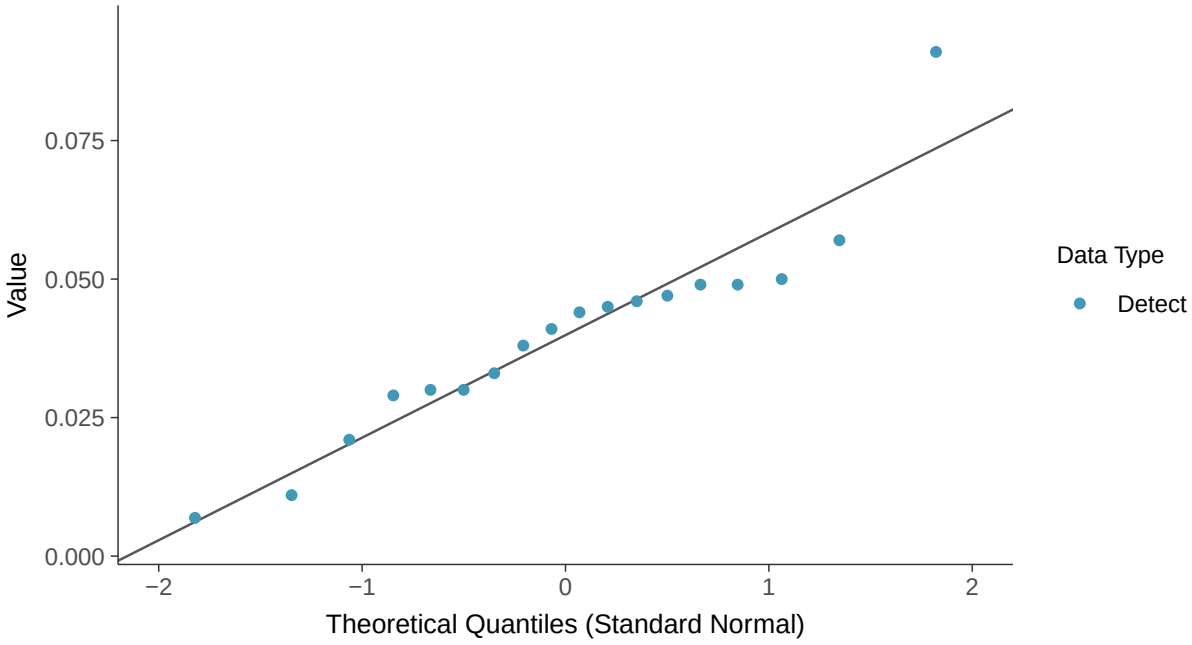
Boxplot by Season

Arsenic, MW-08 (mg/L)



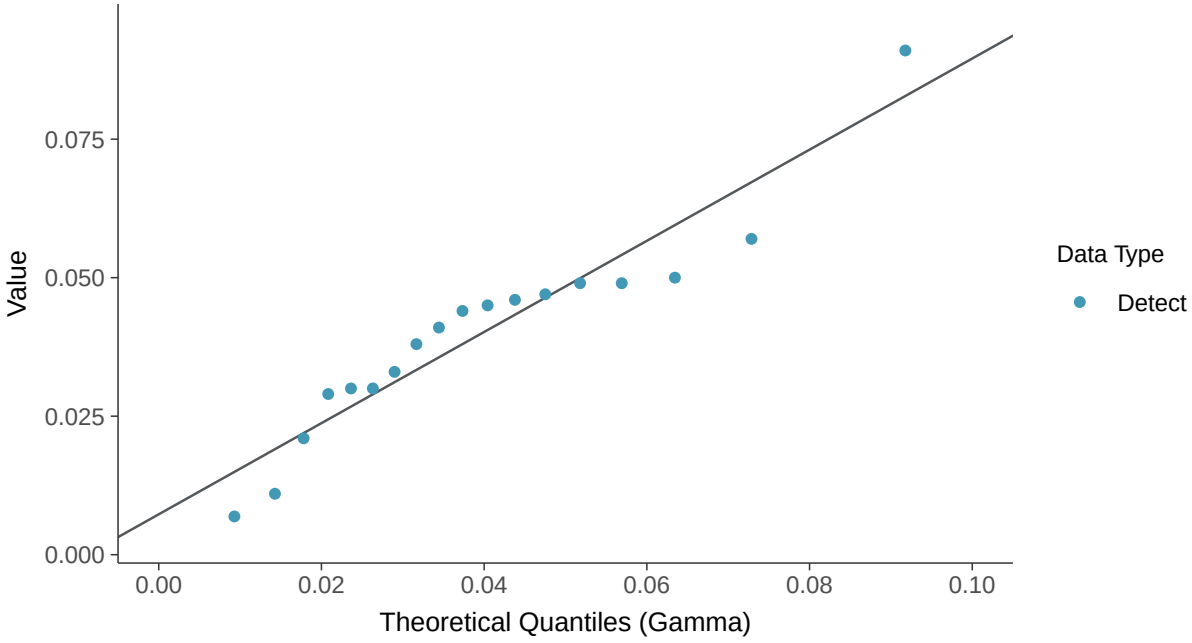
Normal Q-Q plot

Arsenic, MW-08 (mg/L)



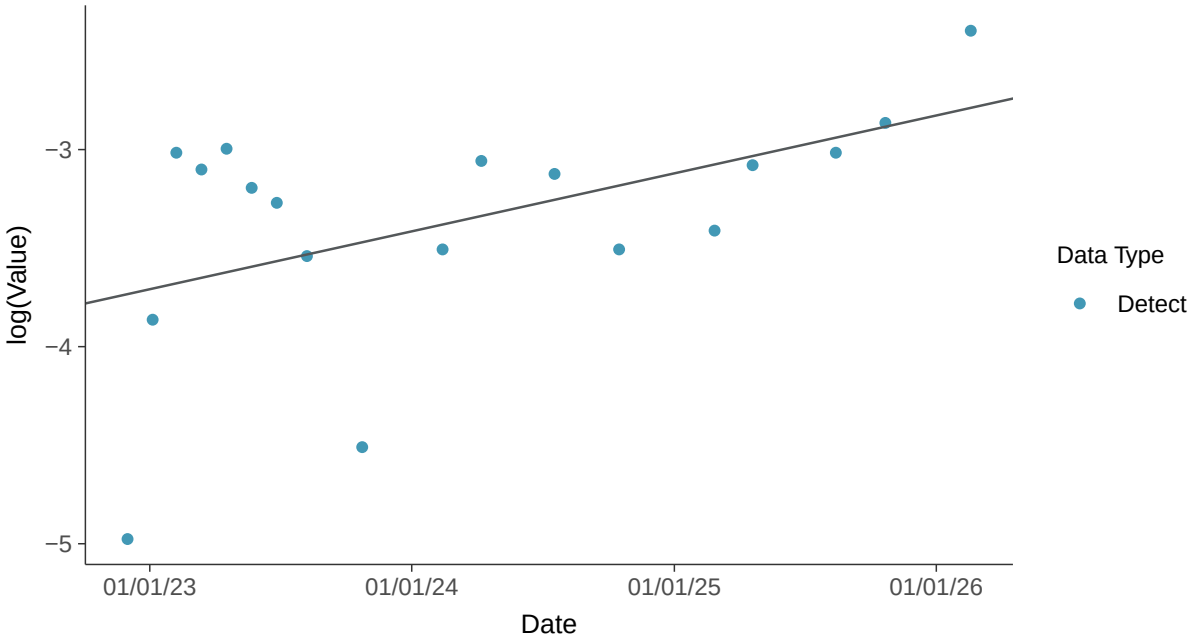
Gamma Q-Q plot

Arsenic, MW-08 (mg/L)



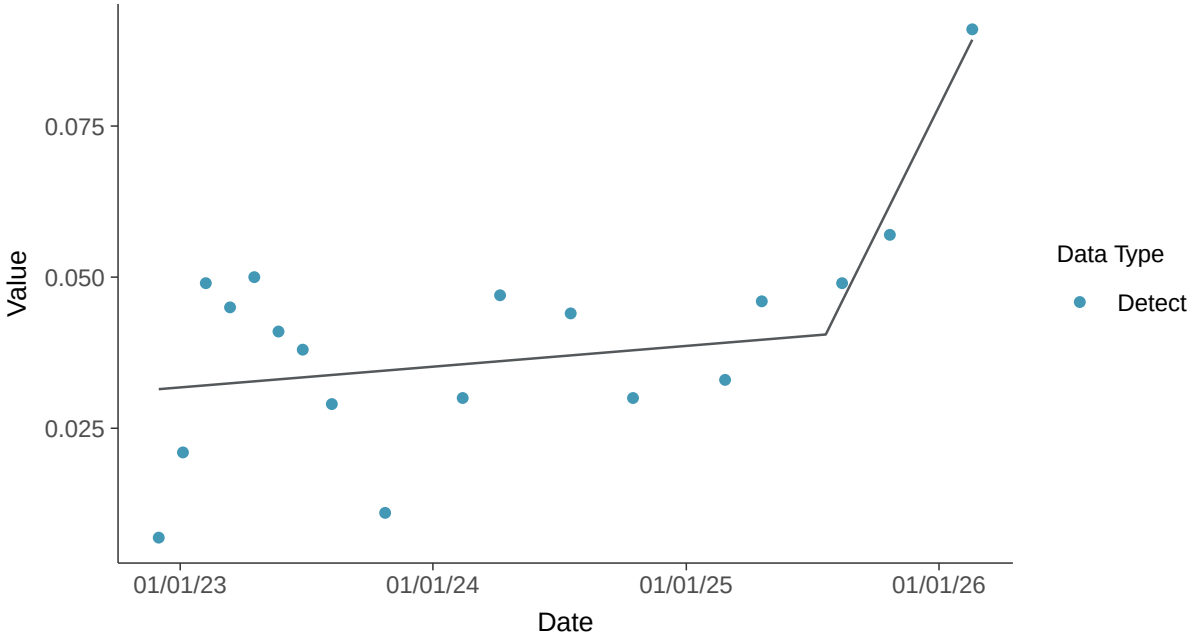
Trend Regression: Lognormal MLE

Arsenic, MW-08 (mg/L)



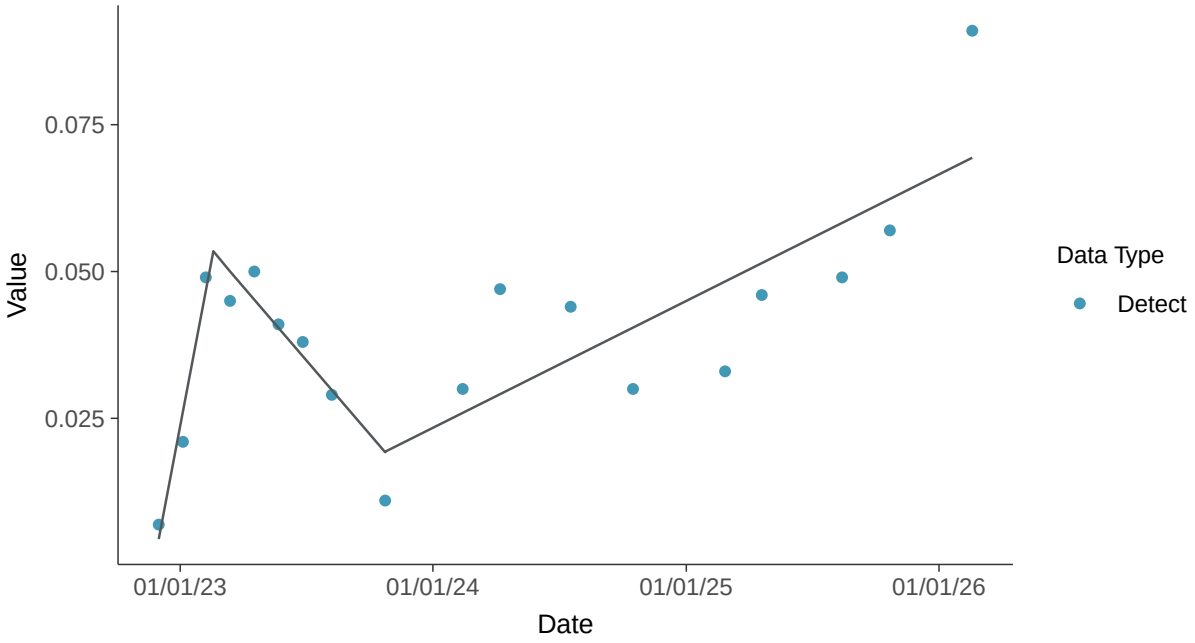
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-08 (mg/L)



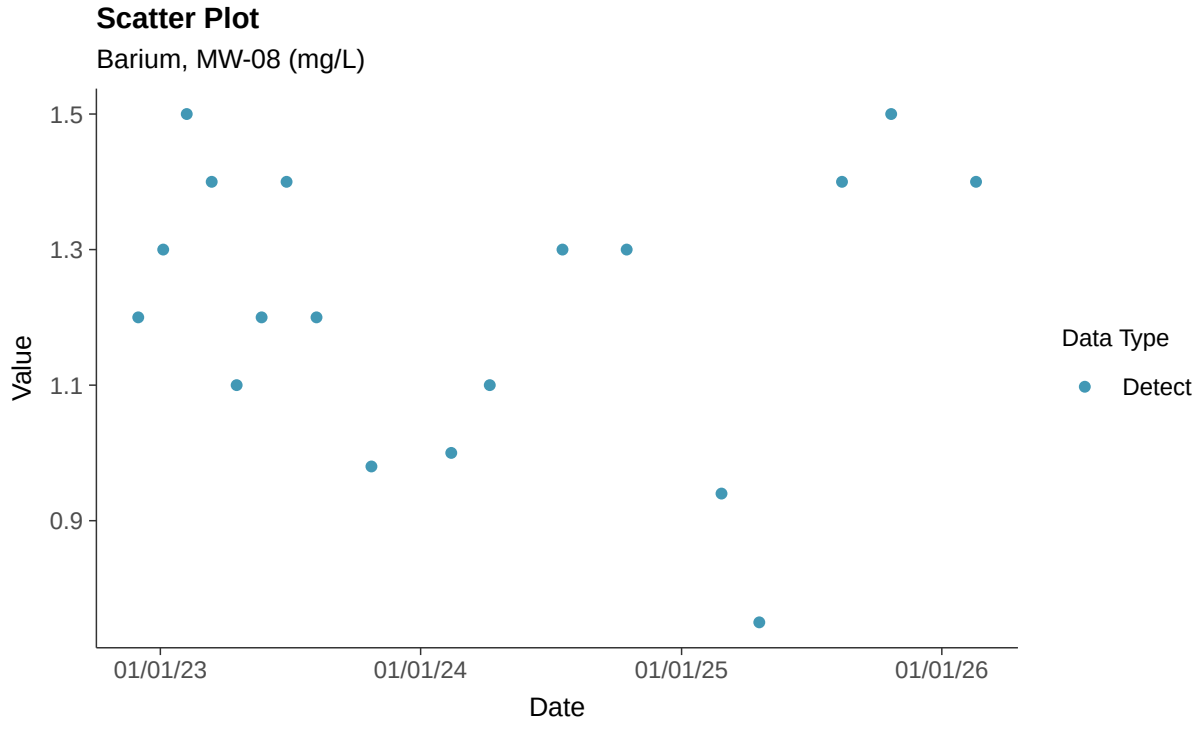
Trend Regression: Piecewise Linear-Linear-Linear

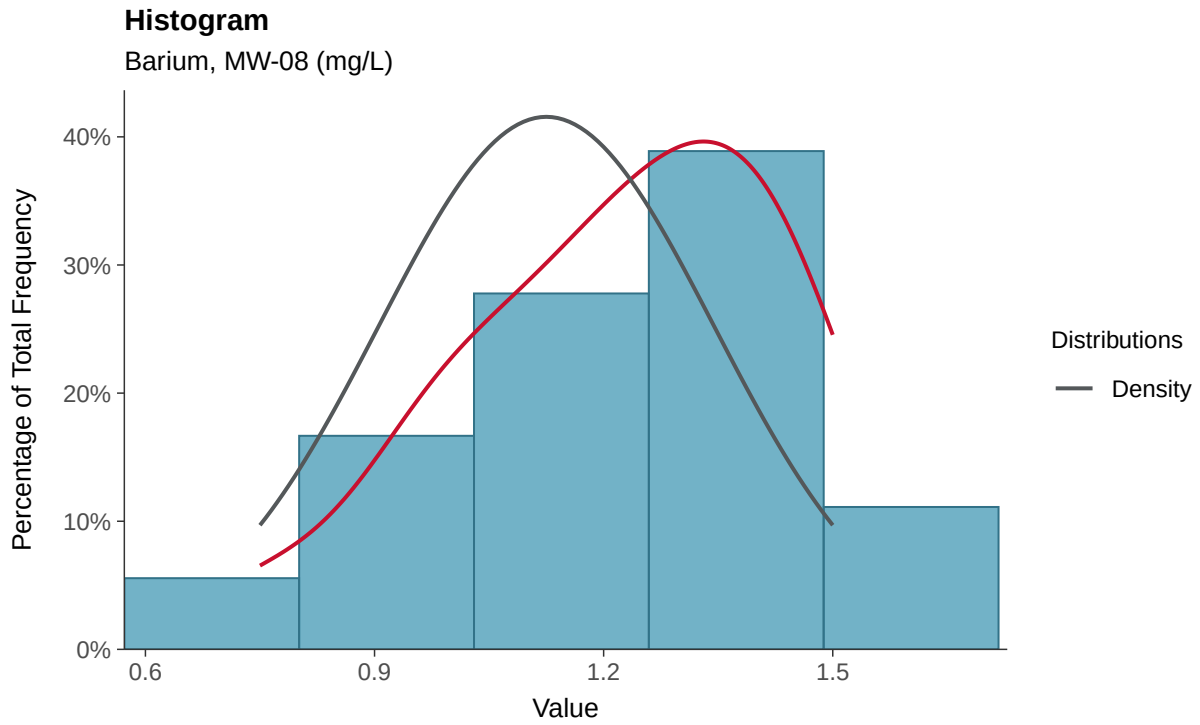
Arsenic, MW-08 (mg/L)



Appendix IV: Barium, MW-08

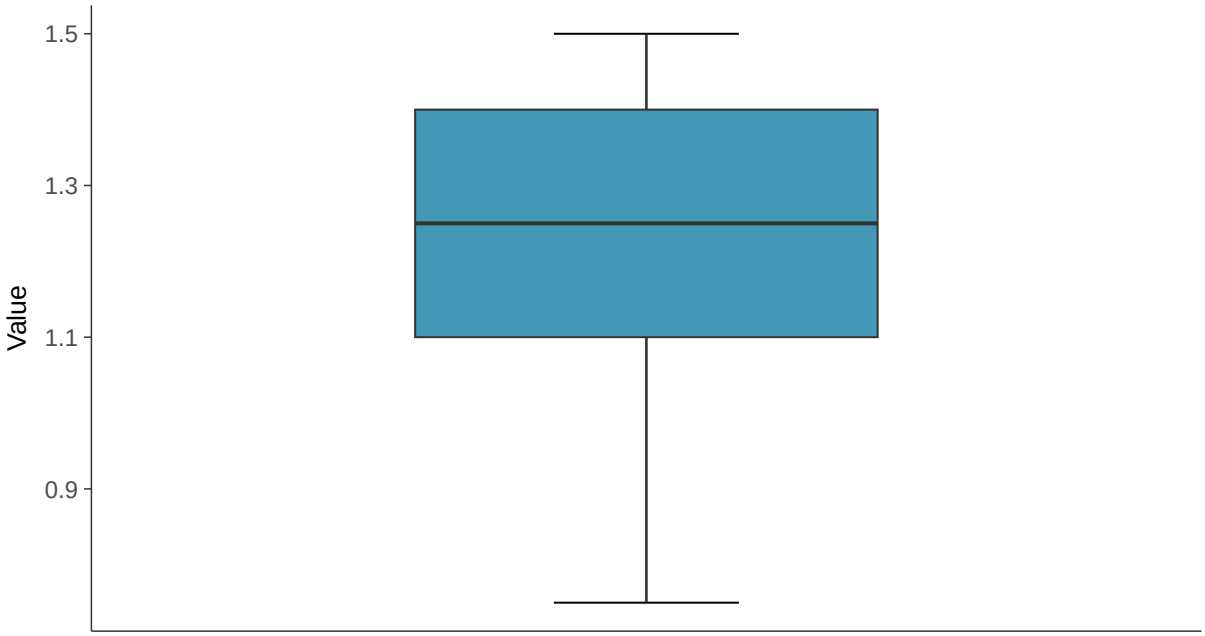
ID: 18_1_4_103





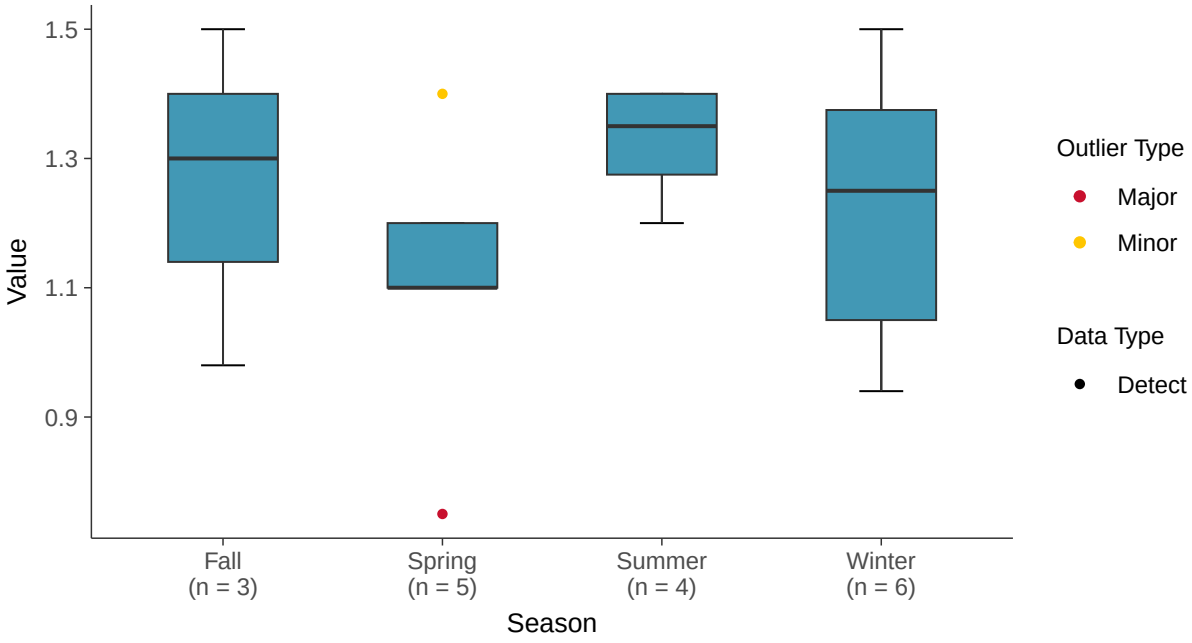
Boxplot

Barium, MW-08 (mg/L)



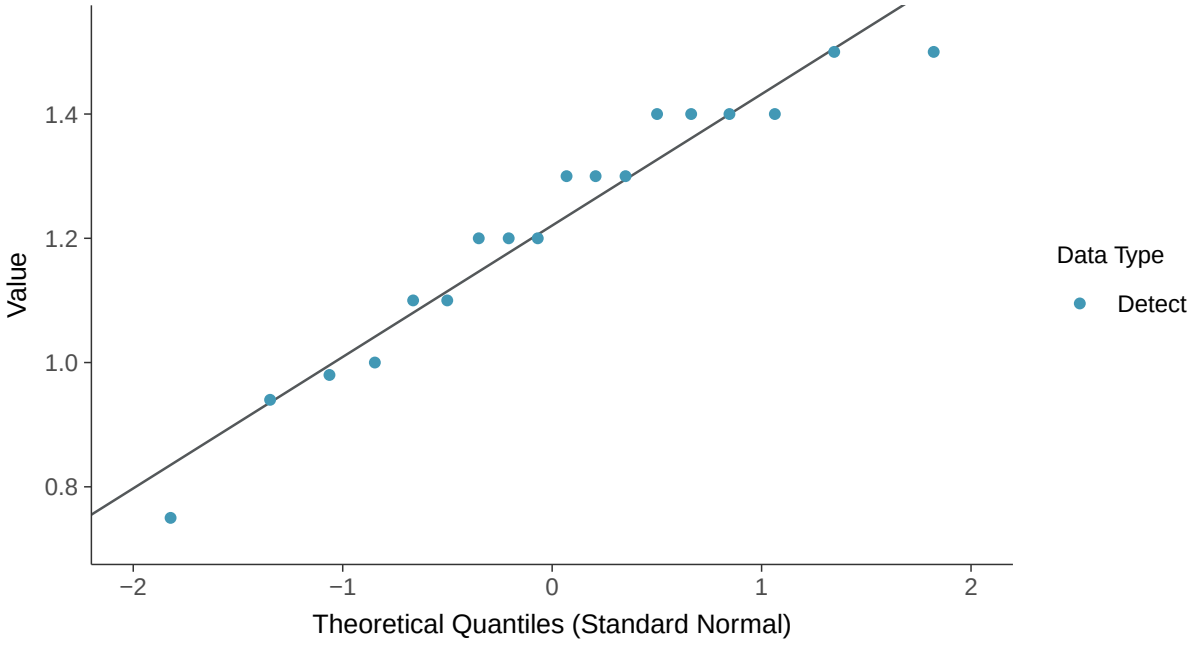
Boxplot by Season

Barium, MW-08 (mg/L)



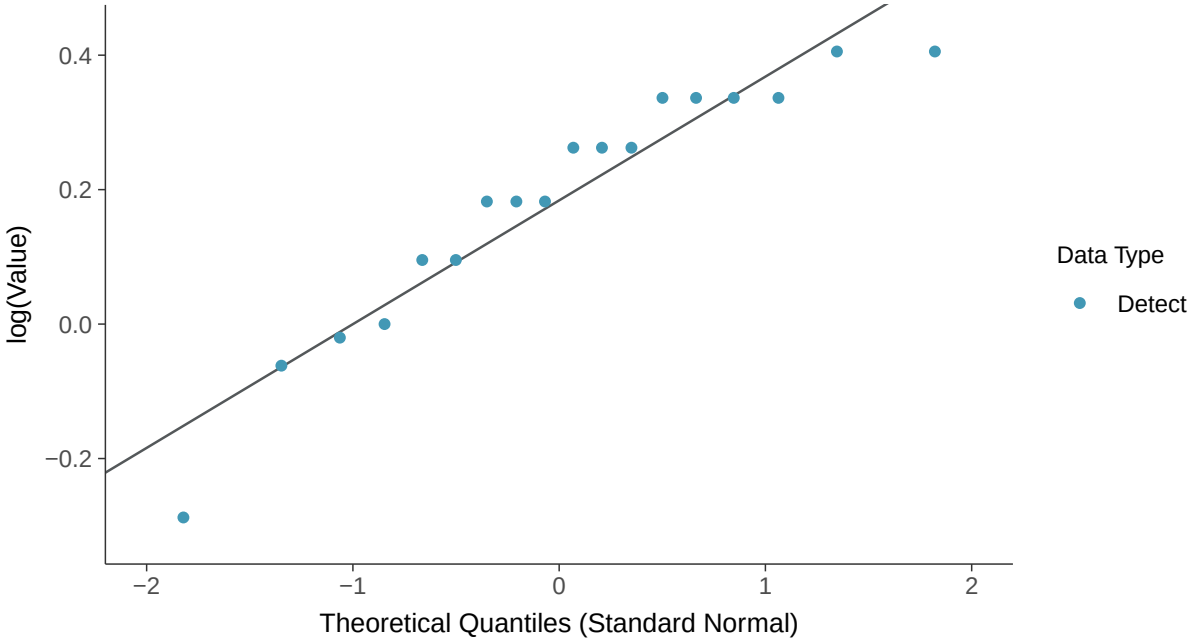
Normal Q-Q plot

Barium, MW-08 (mg/L)



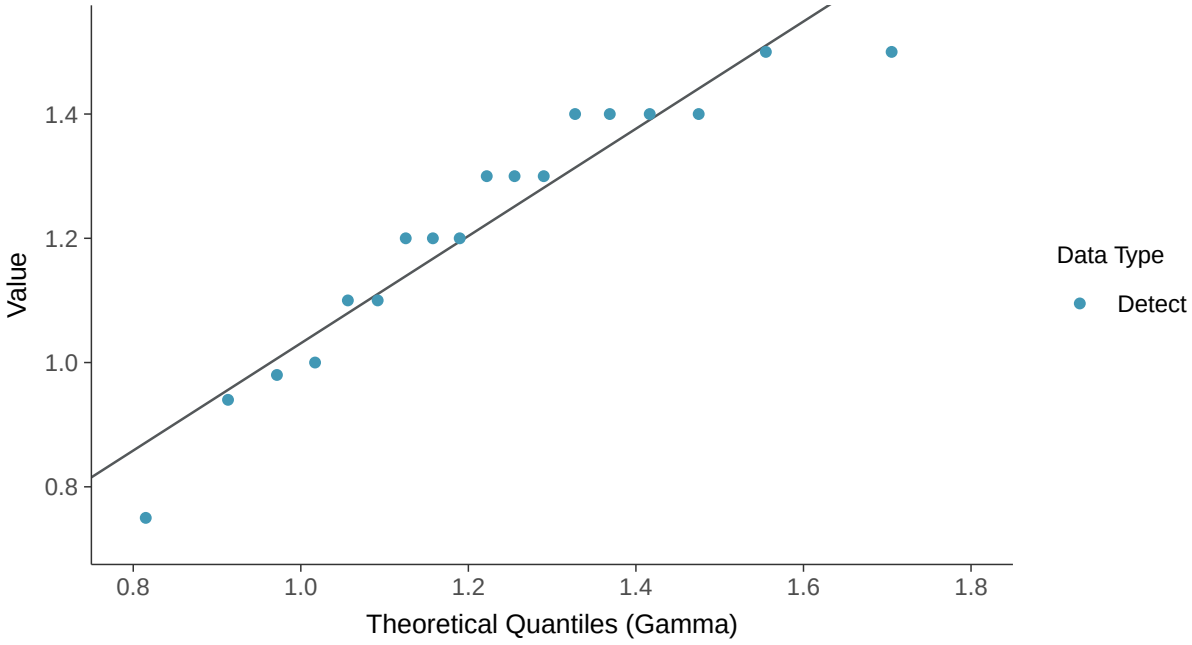
Lognormal Q-Q plot

Barium, MW-08 (mg/L)



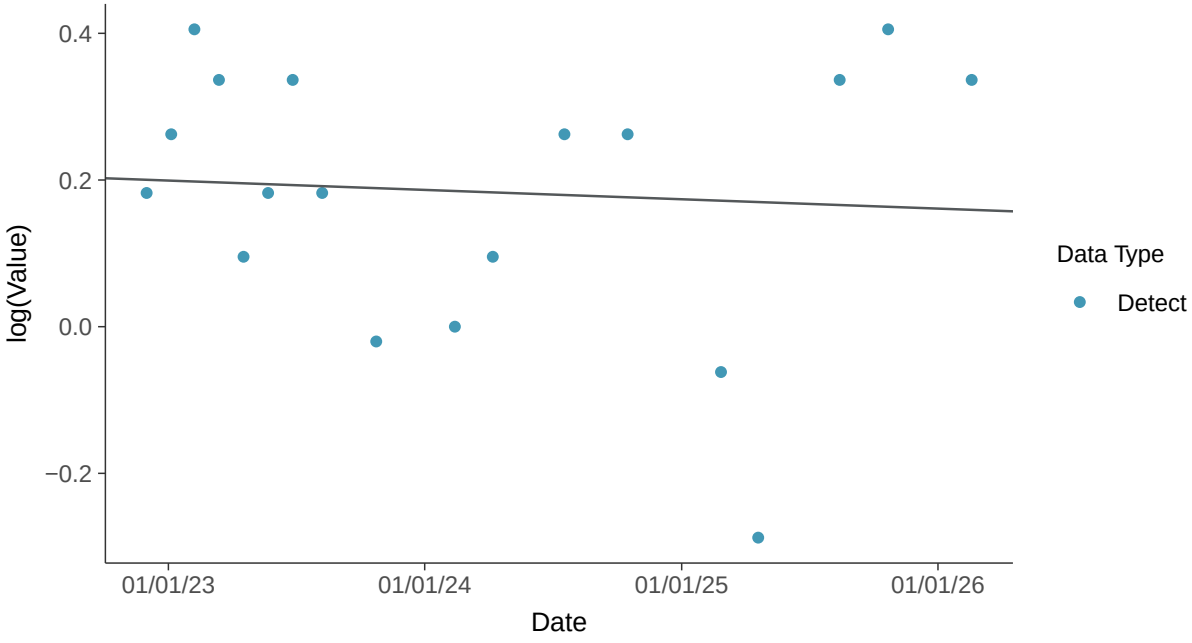
Gamma Q-Q plot

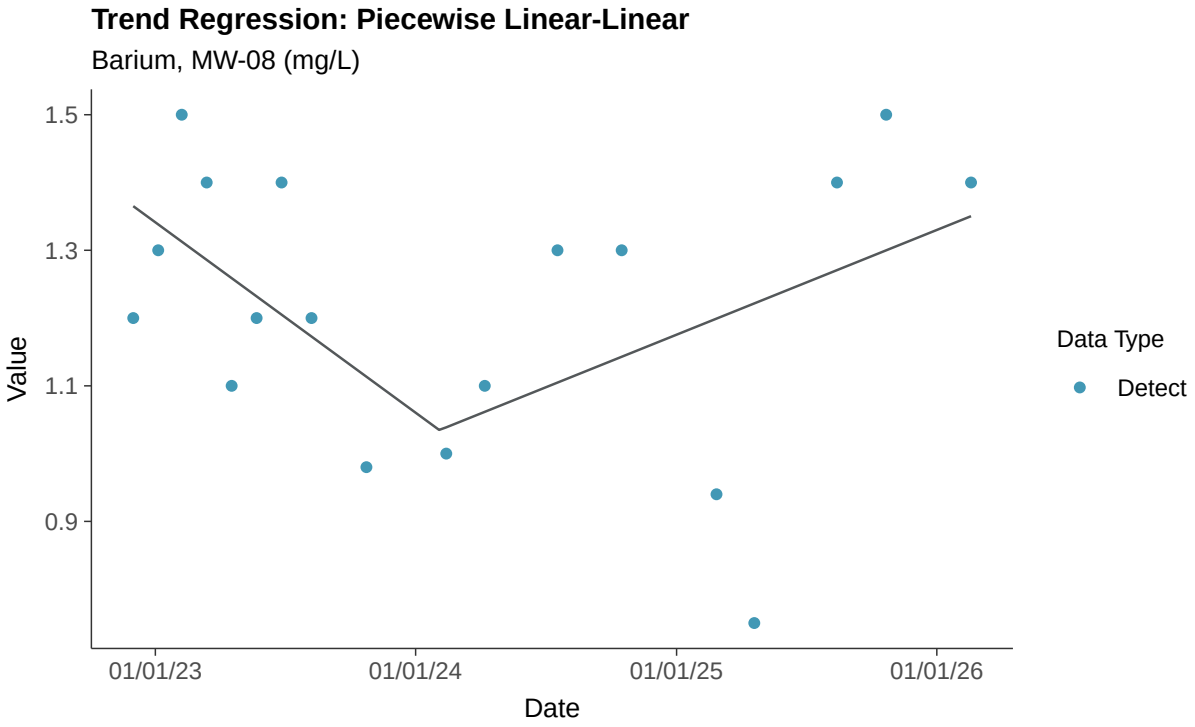
Barium, MW-08 (mg/L)



Trend Regression: Lognormal MLE

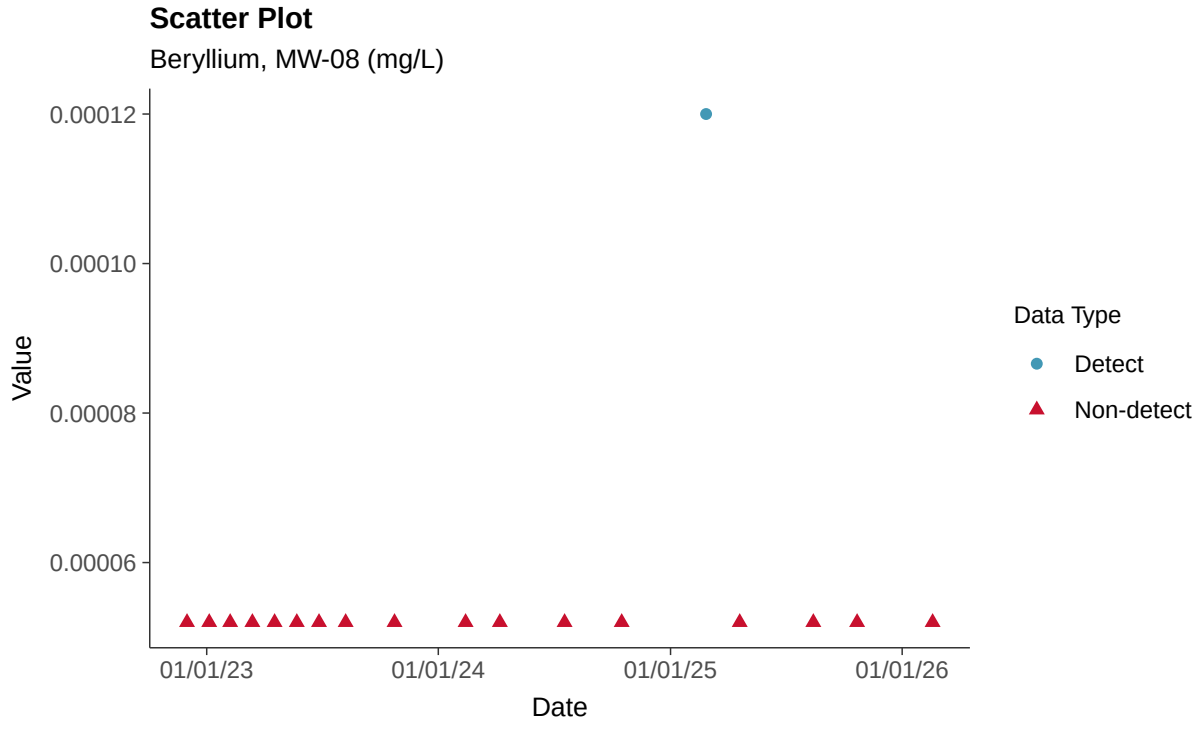
Barium, MW-08 (mg/L)

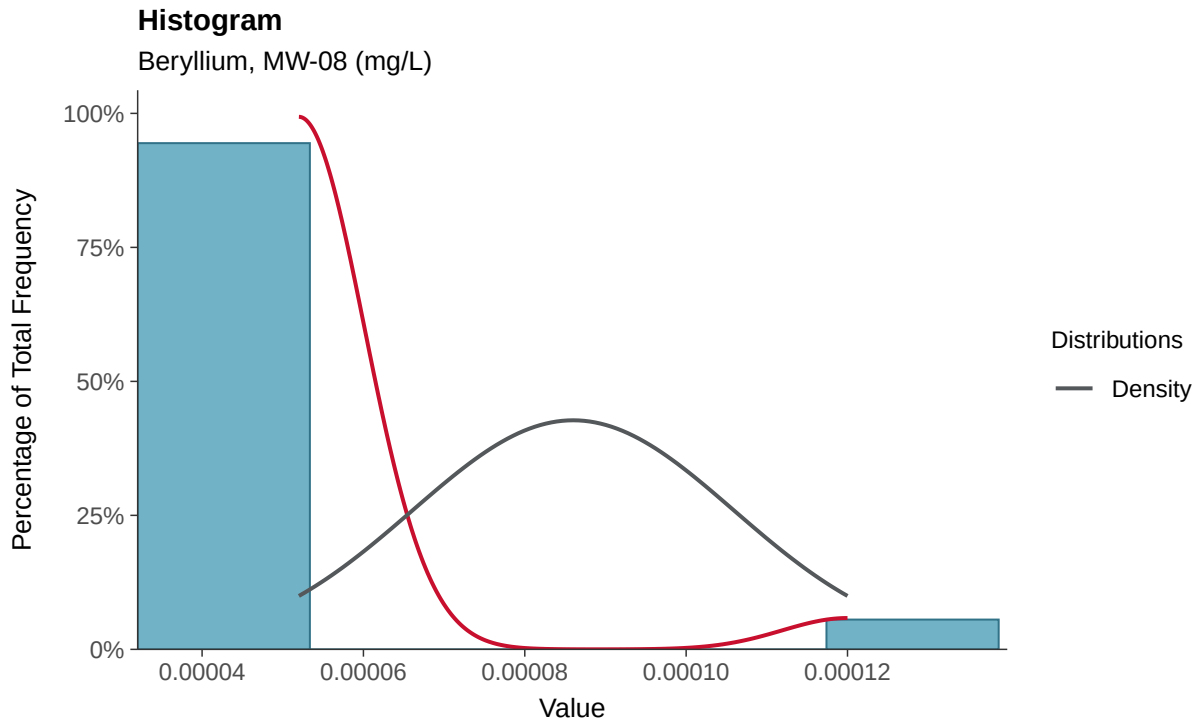



Trend Regression: Piecewise Linear-Linear
Barium, MW-08 (mg/L)
Value
1.5
1.3
1.1
0.9
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Beryllium, MW-08

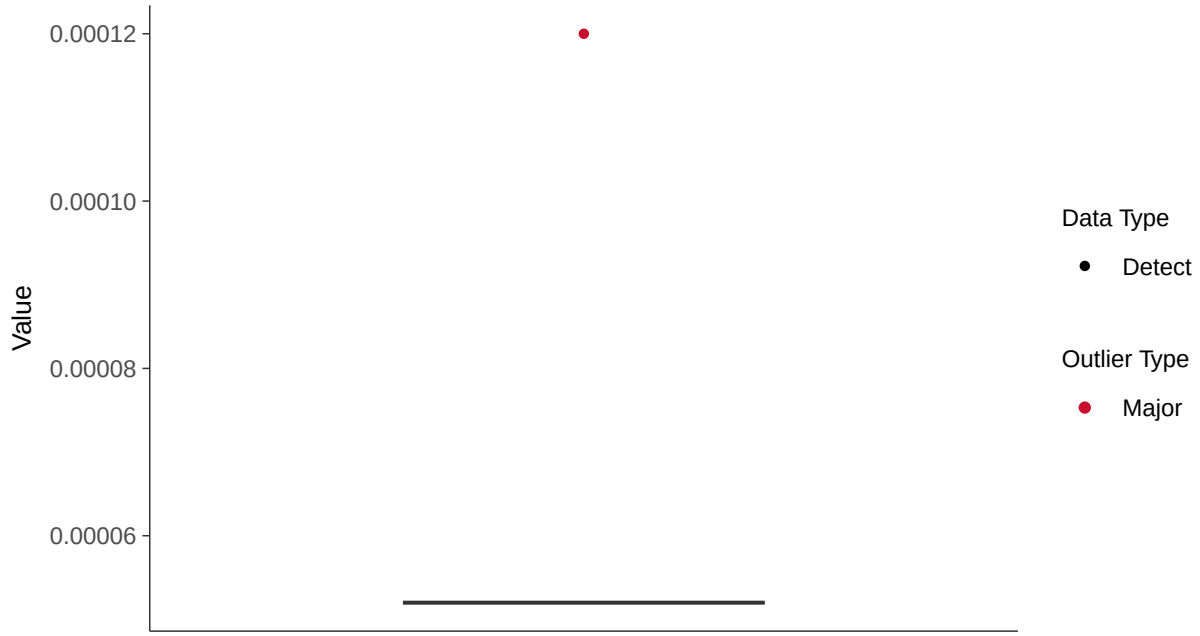
ID: 18_1_4_104





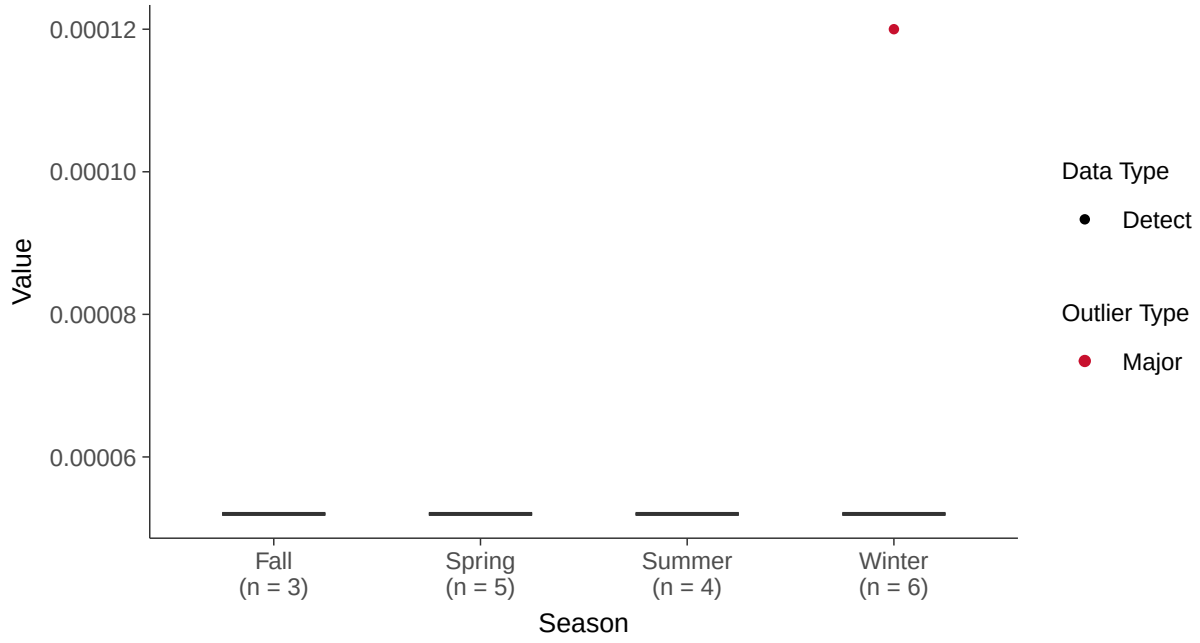
Boxplot

Beryllium, MW-08 (mg/L)



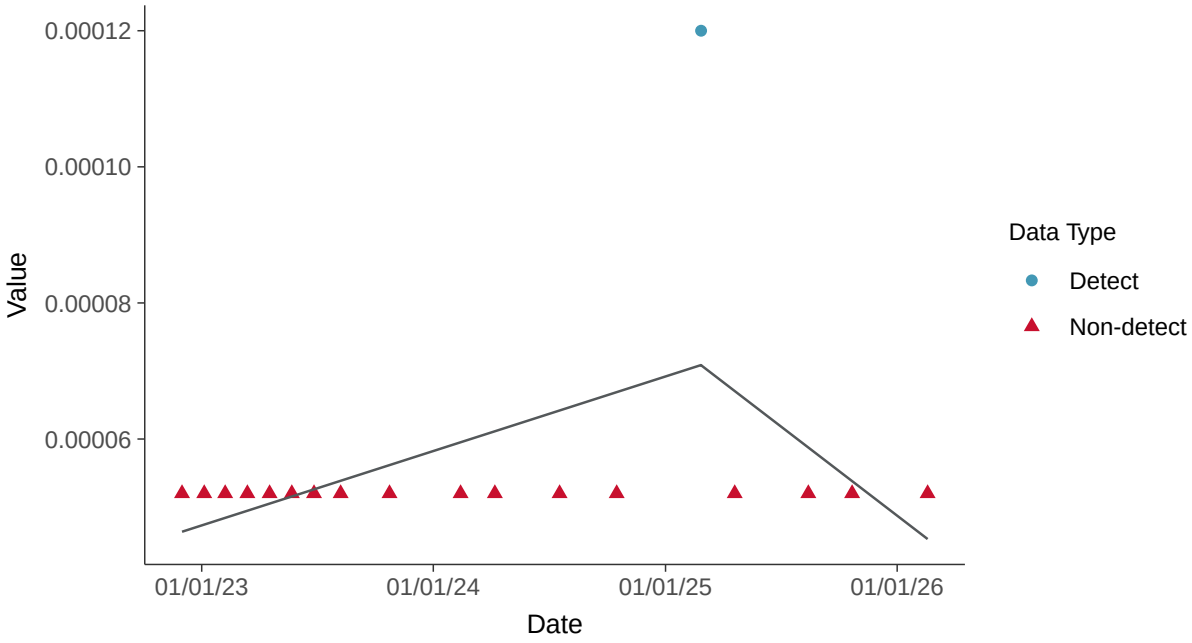
Boxplot by Season

Beryllium, MW-08 (mg/L)



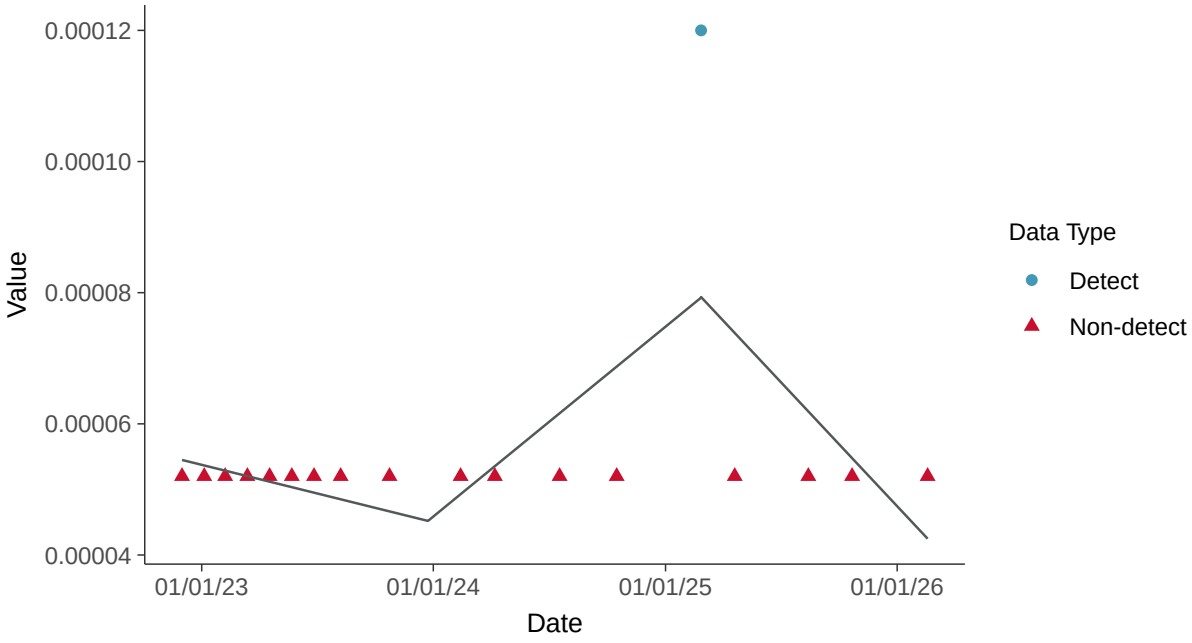
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-08 (mg/L)



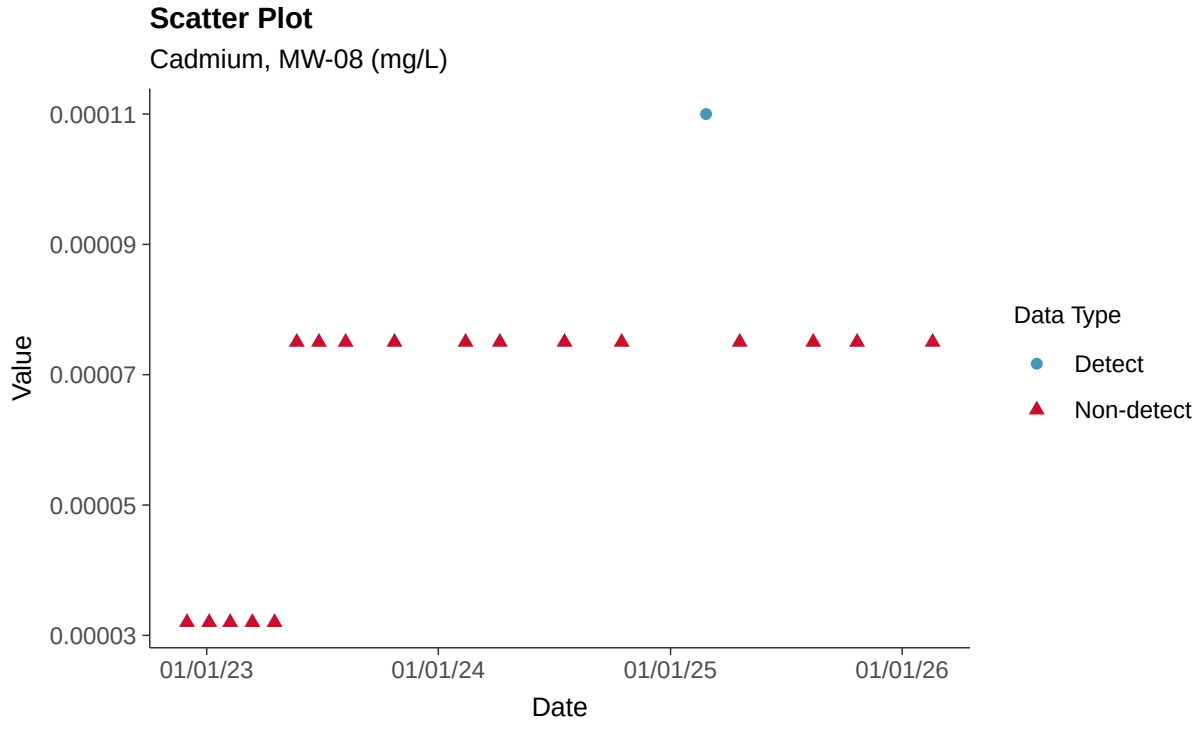
Trend Regression: Piecewise Linear-Linear-Linear

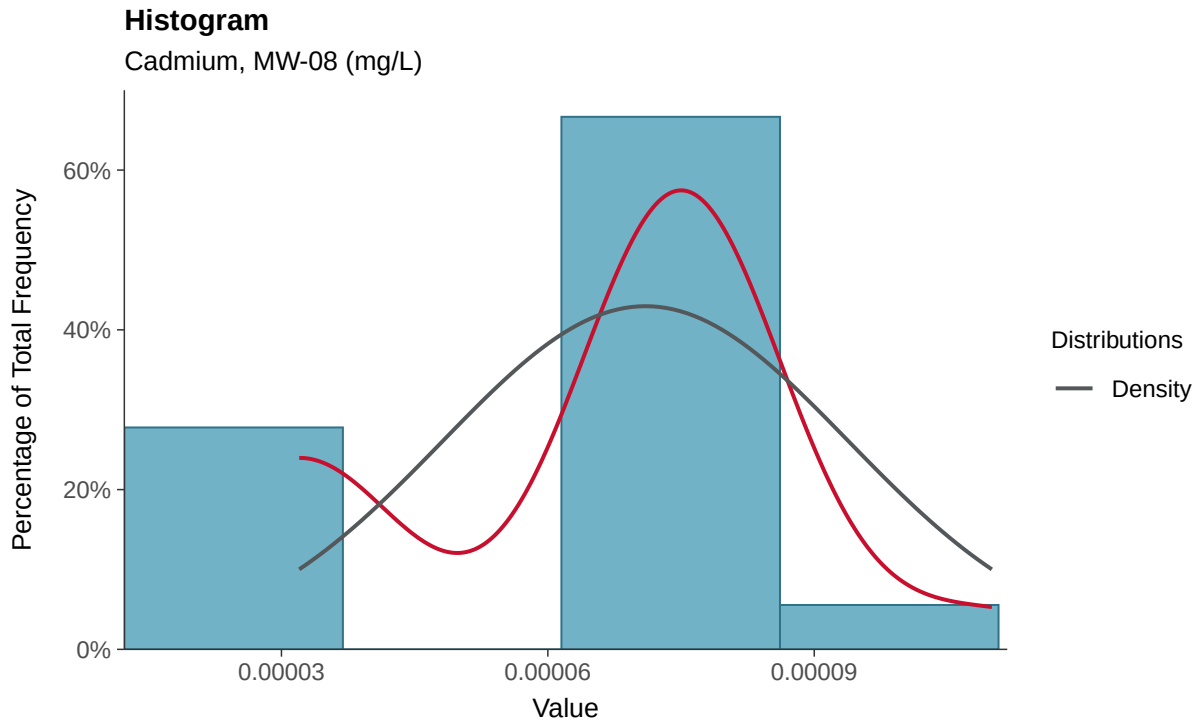
Beryllium, MW-08 (mg/L)



Appendix IV: Cadmium, MW-08

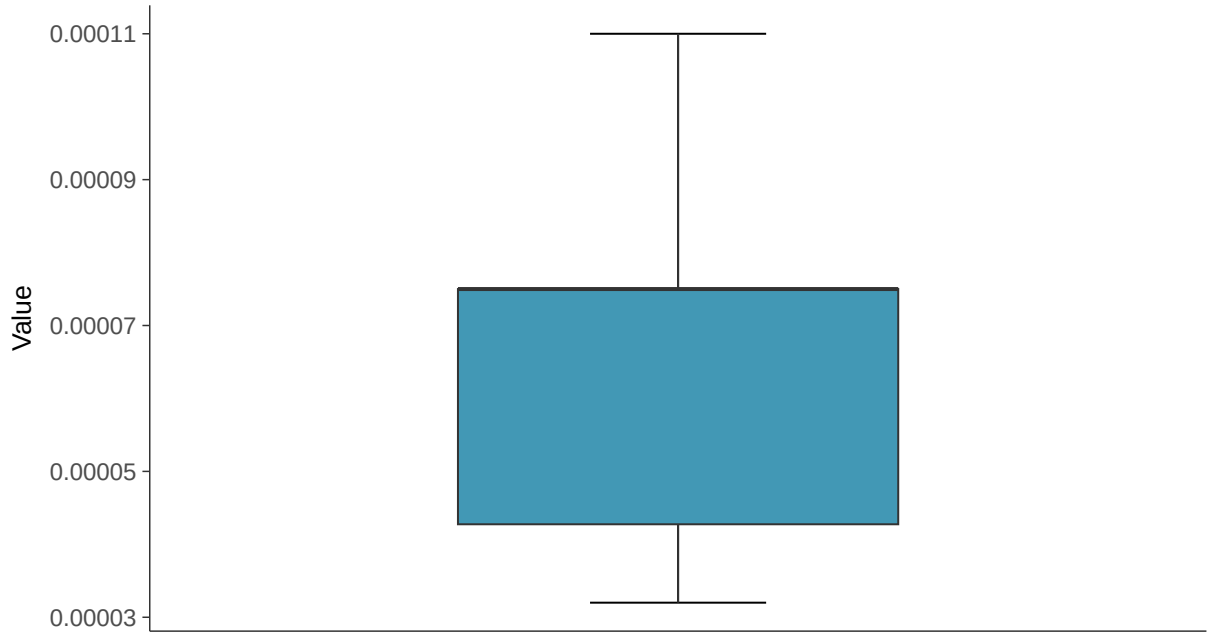
ID: 18_1_4_106





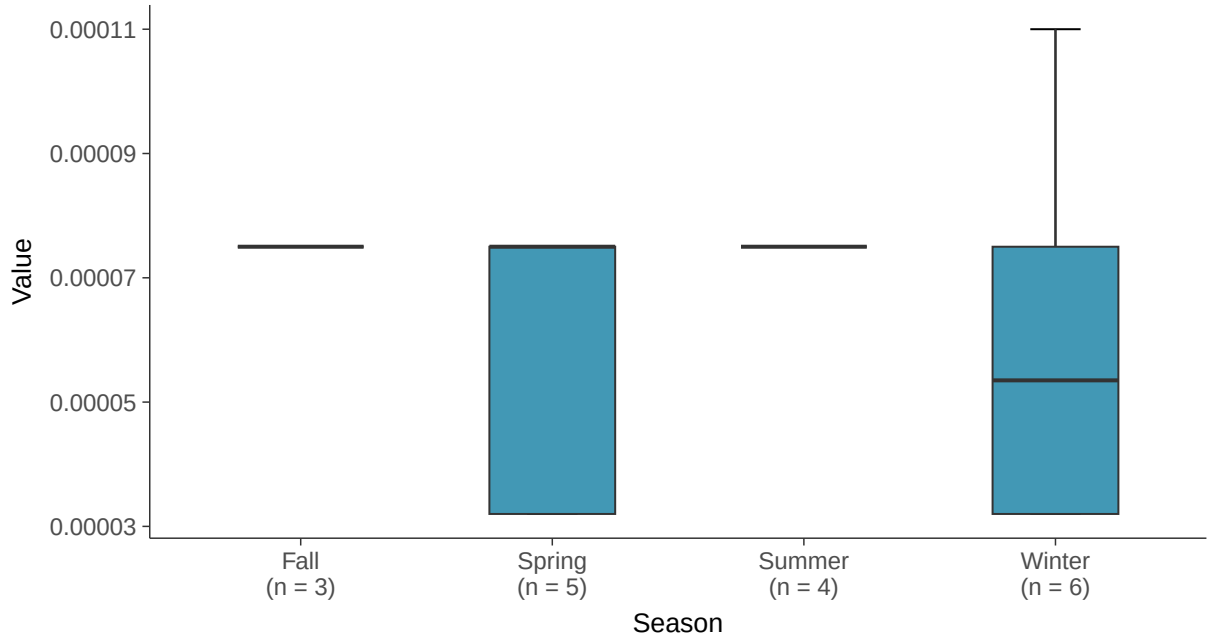
Boxplot

Cadmium, MW-08 (mg/L)



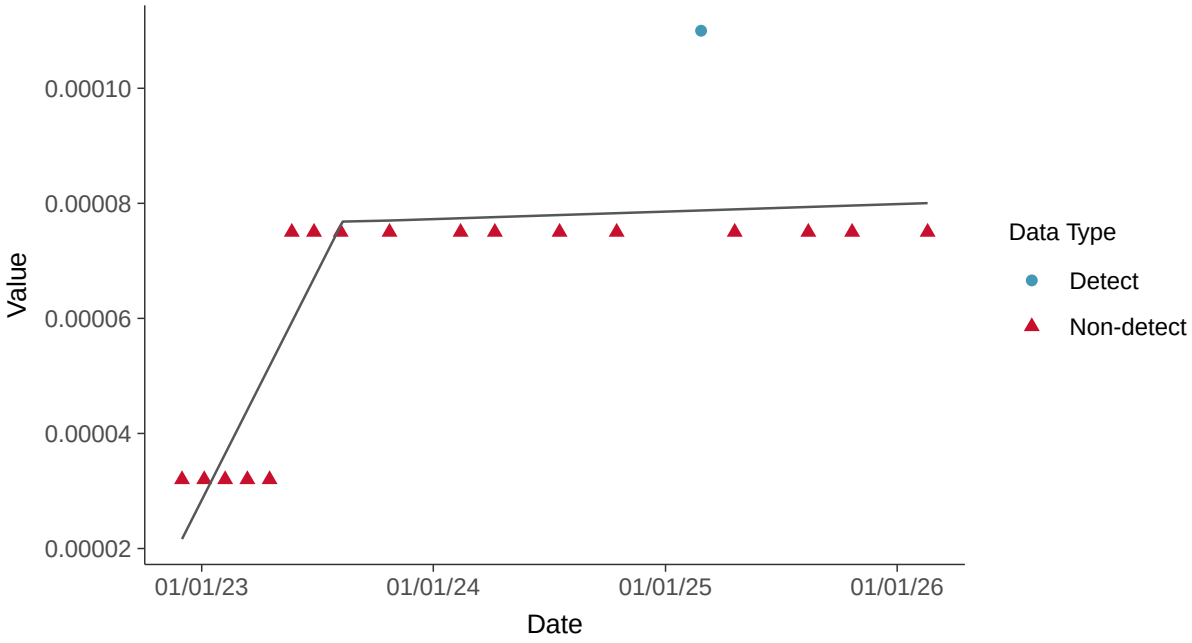
Boxplot by Season

Cadmium, MW-08 (mg/L)



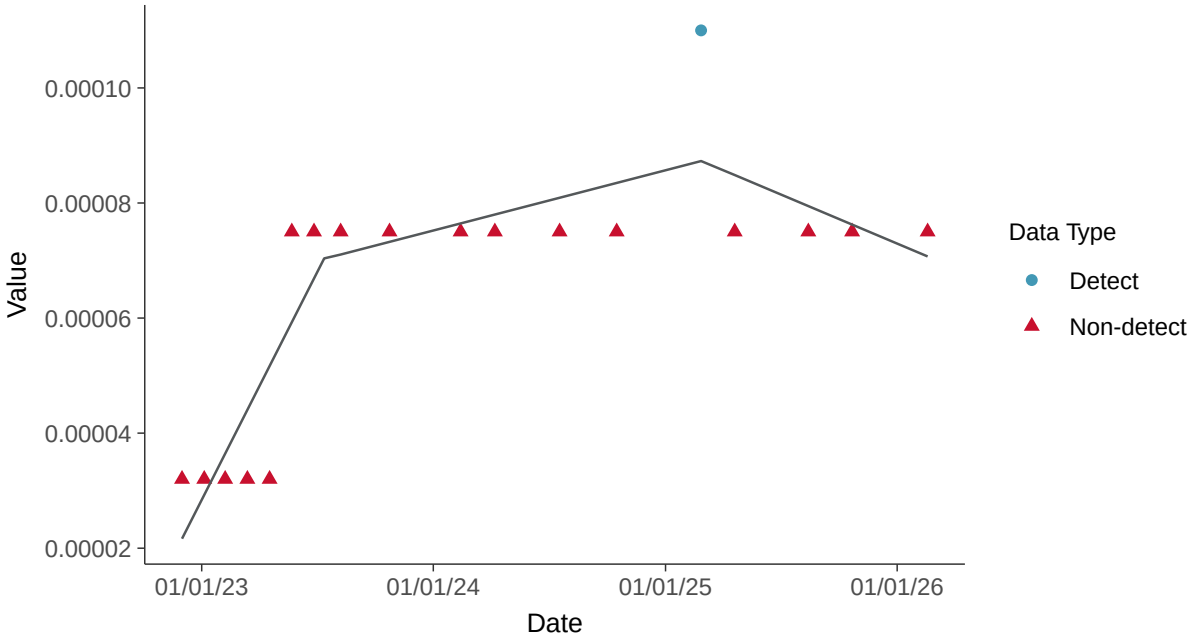
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-08 (mg/L)



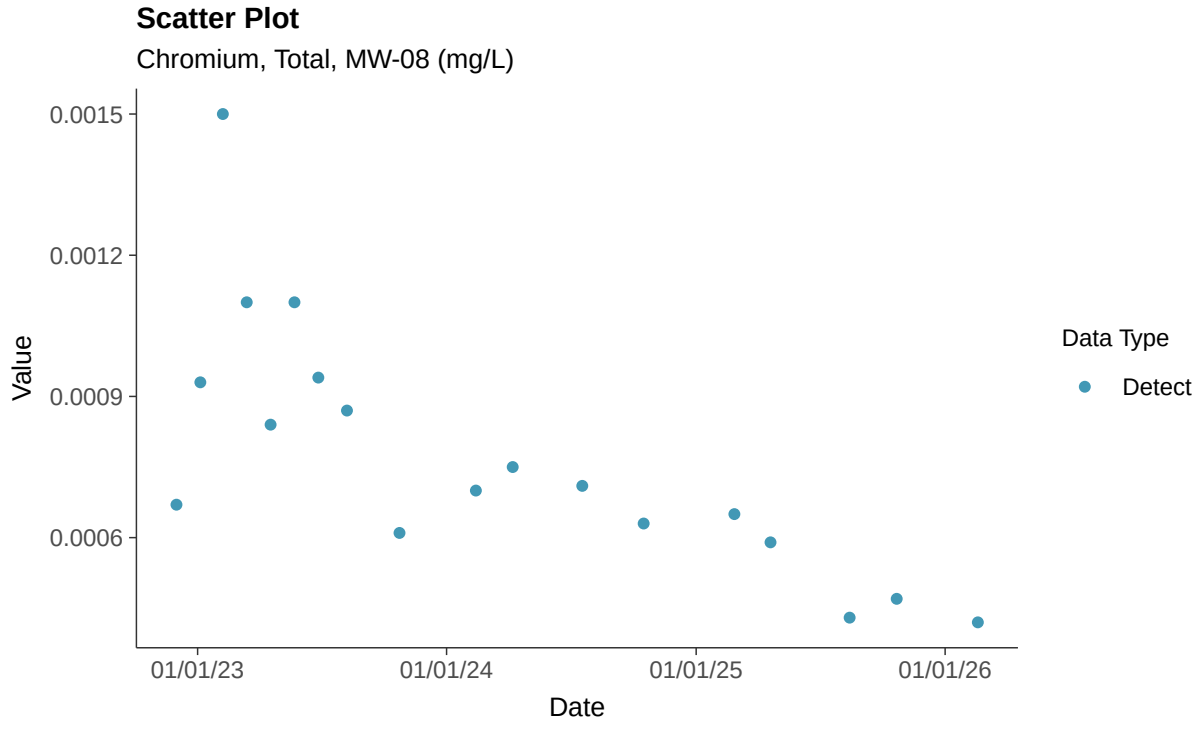
Trend Regression: Piecewise Linear-Linear-Linear

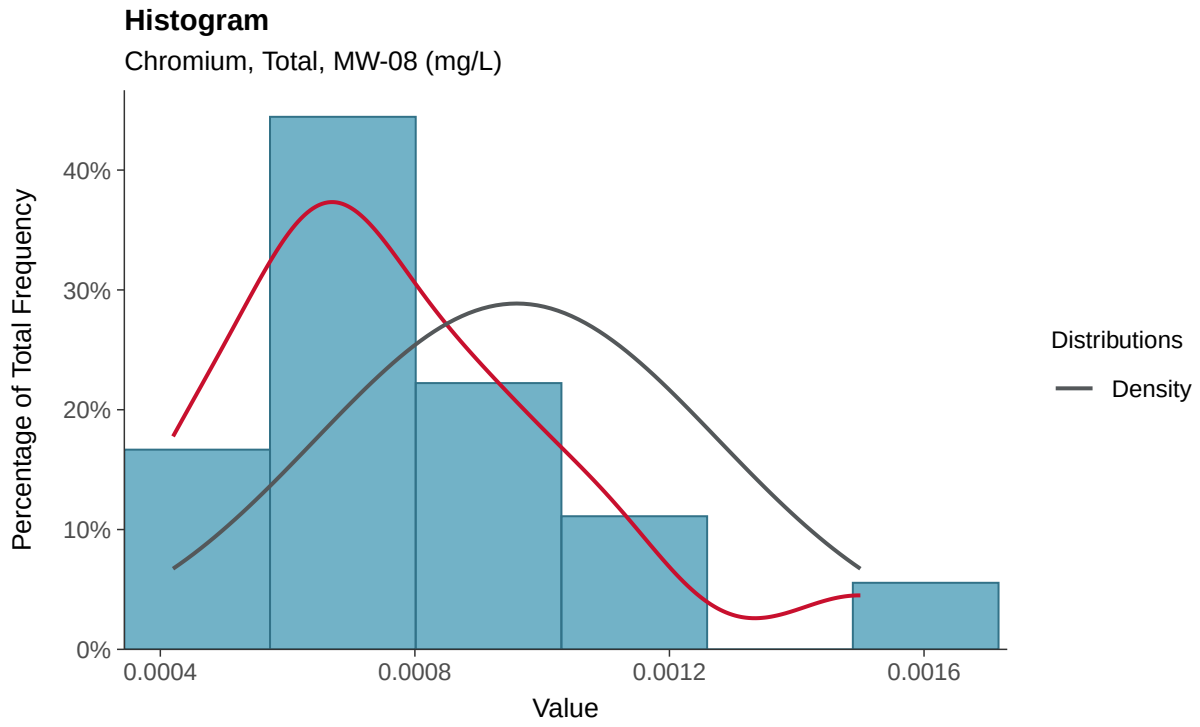
Cadmium, MW-08 (mg/L)



Appendix IV: Chromium, Total, MW-08

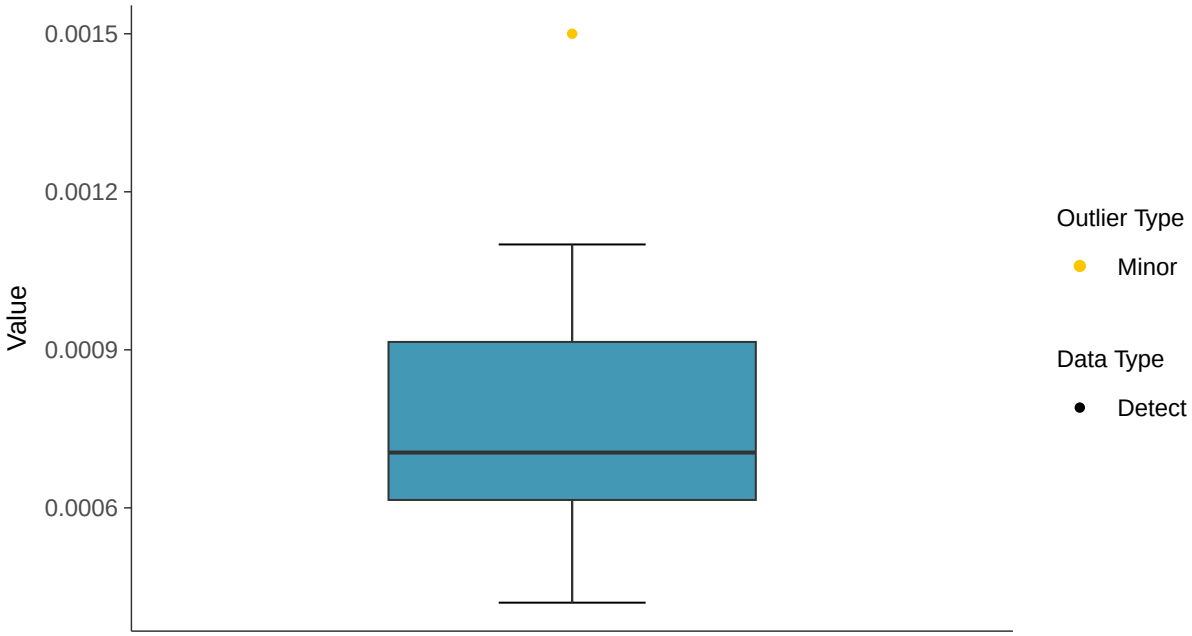
ID: 18_1_4_109





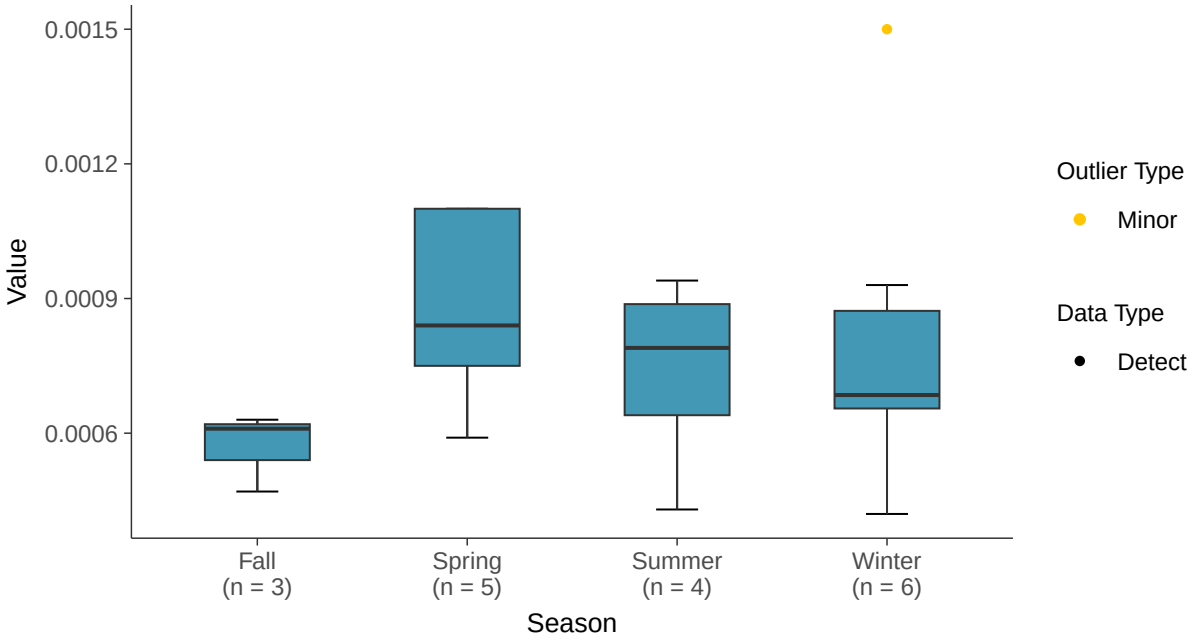
Boxplot

Chromium, Total, MW-08 (mg/L)



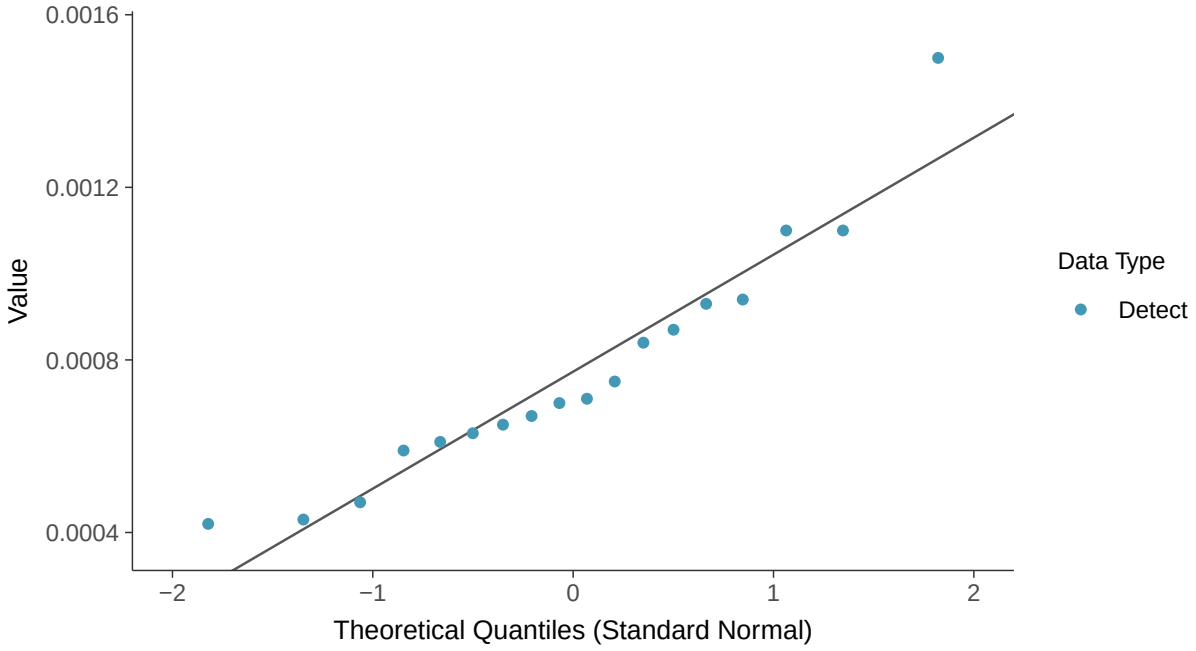
Boxplot by Season

Chromium, Total, MW-08 (mg/L)



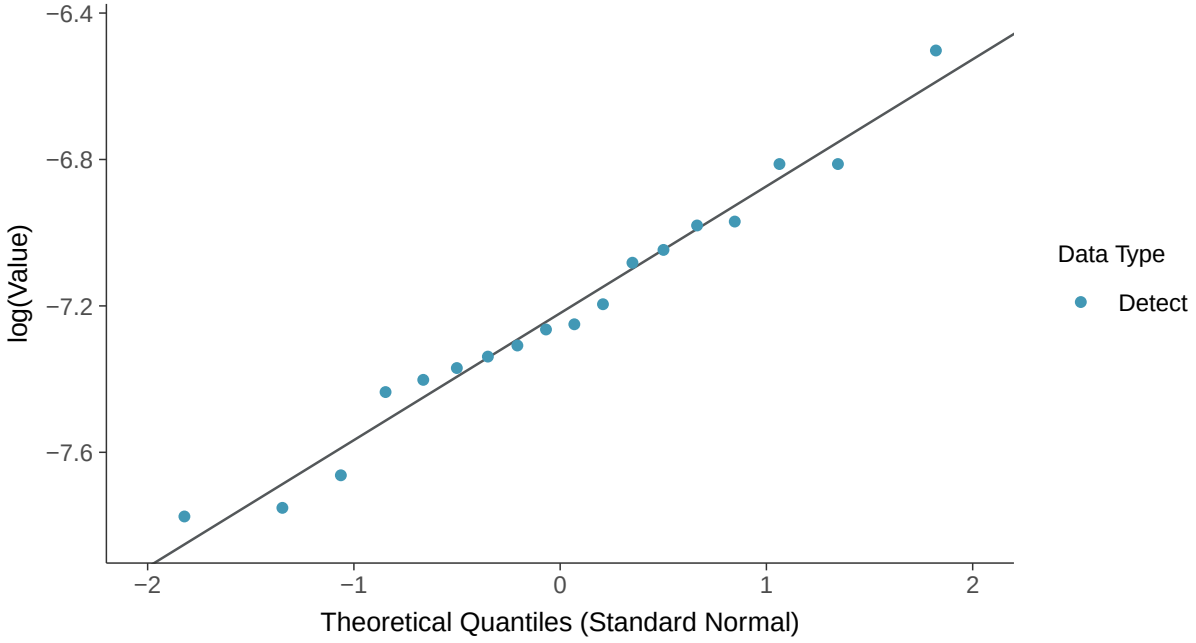
Normal Q-Q plot

Chromium, Total, MW-08 (mg/L)



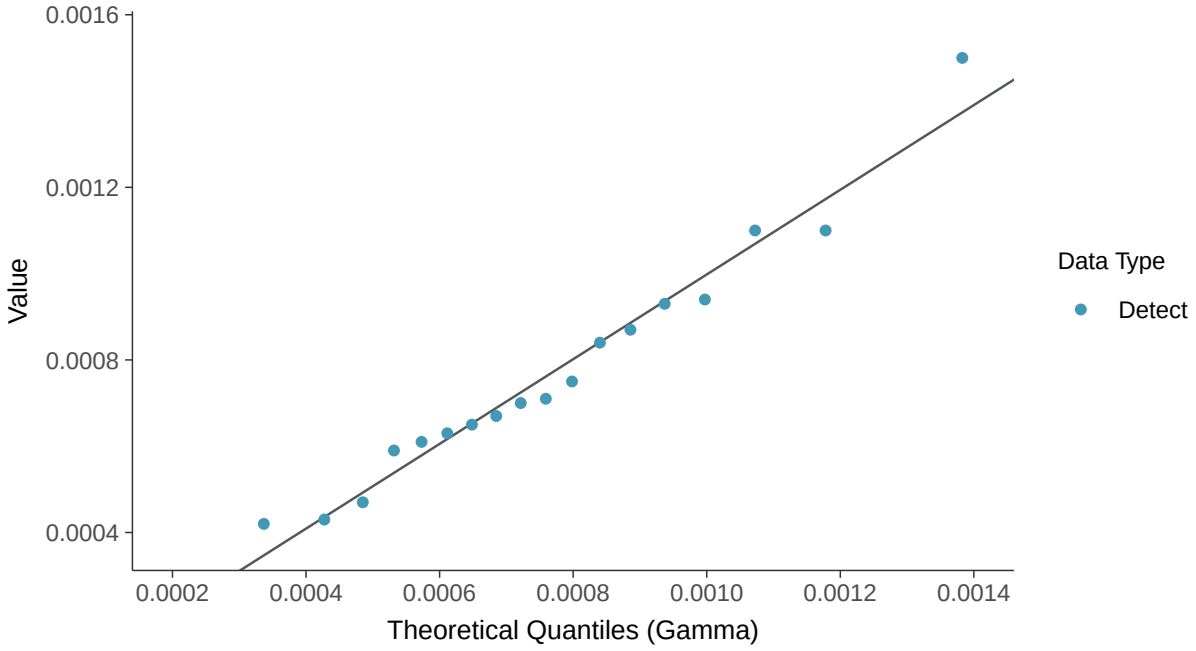
Lognormal Q-Q plot

Chromium, Total, MW-08 (mg/L)



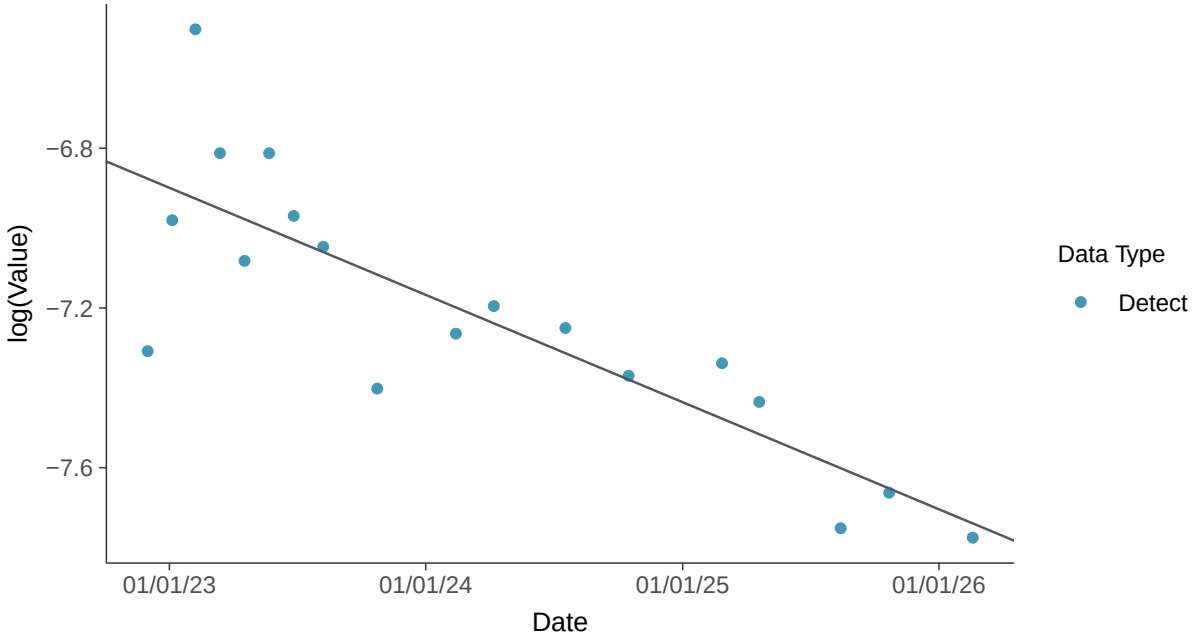
Gamma Q-Q plot

Chromium, Total, MW-08 (mg/L)



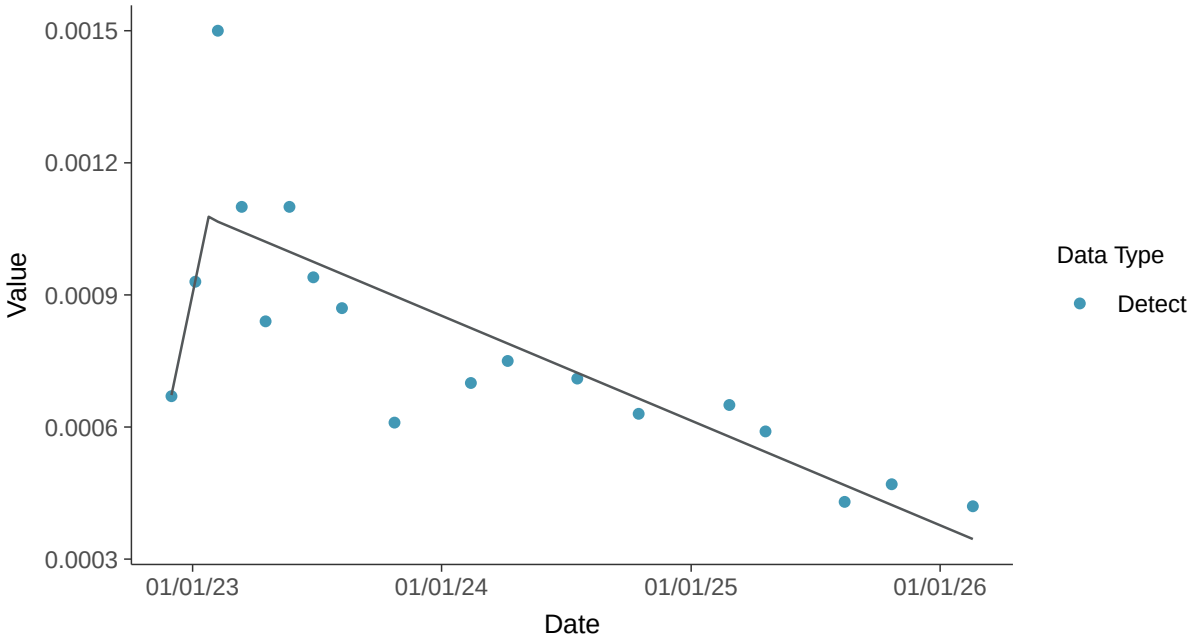
Trend Regression: Lognormal MLE

Chromium, Total, MW-08 (mg/L)



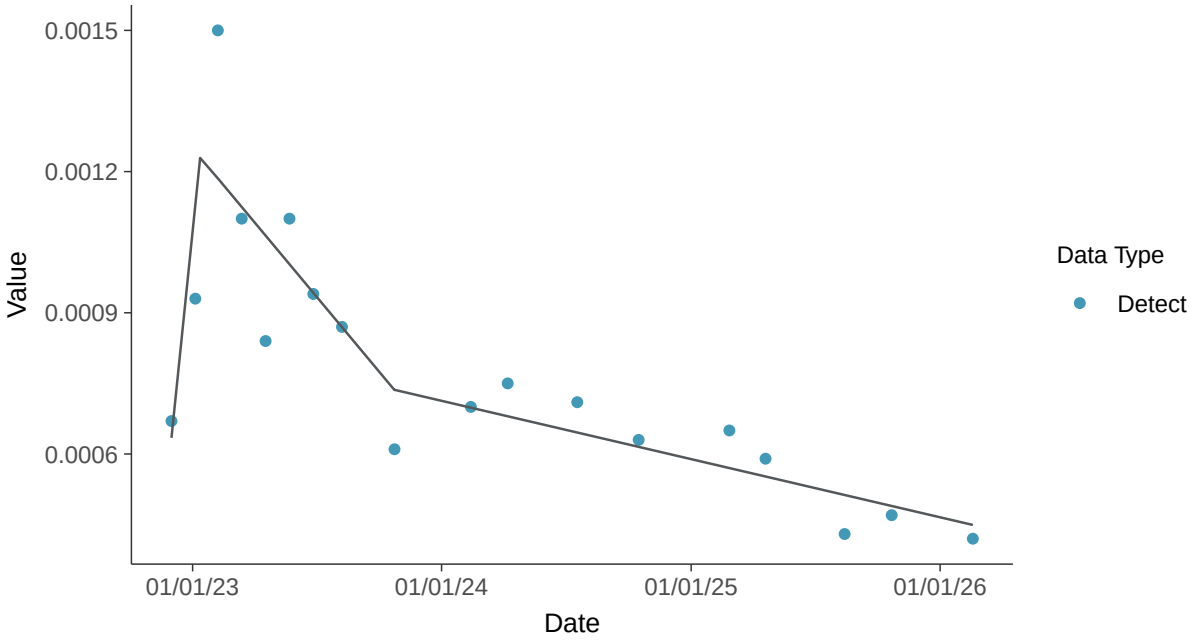
Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-08 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Chromium, Total, MW-08 (mg/L)

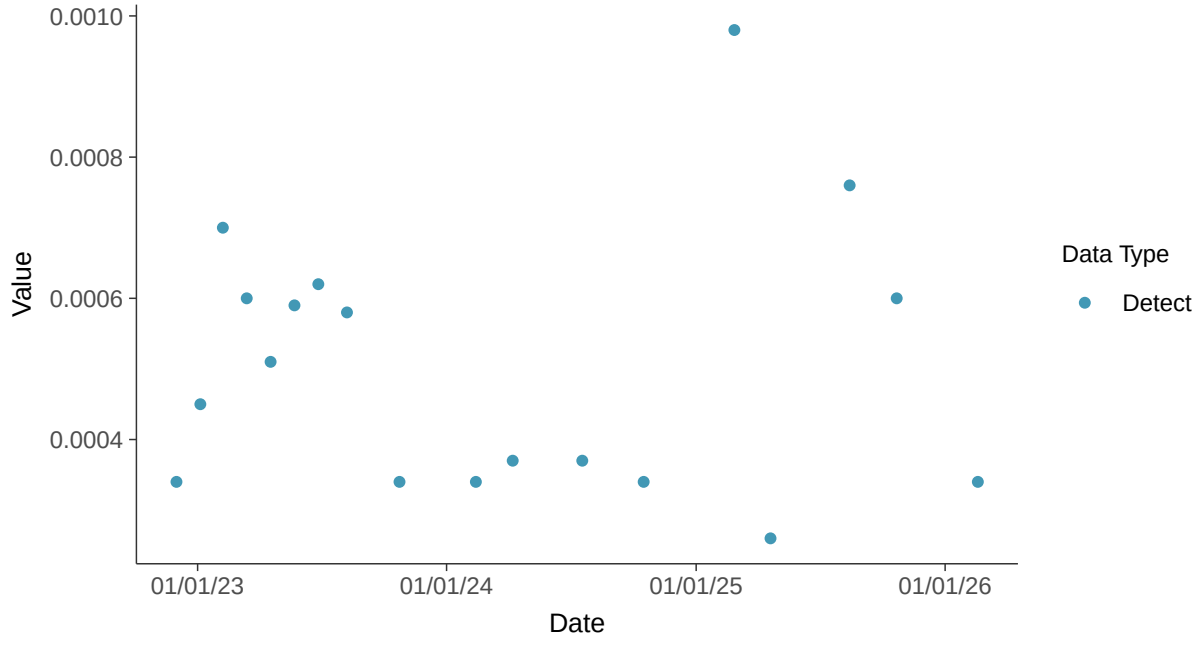


Appendix IV: Cobalt, MW-08

ID: 18_1_4_110

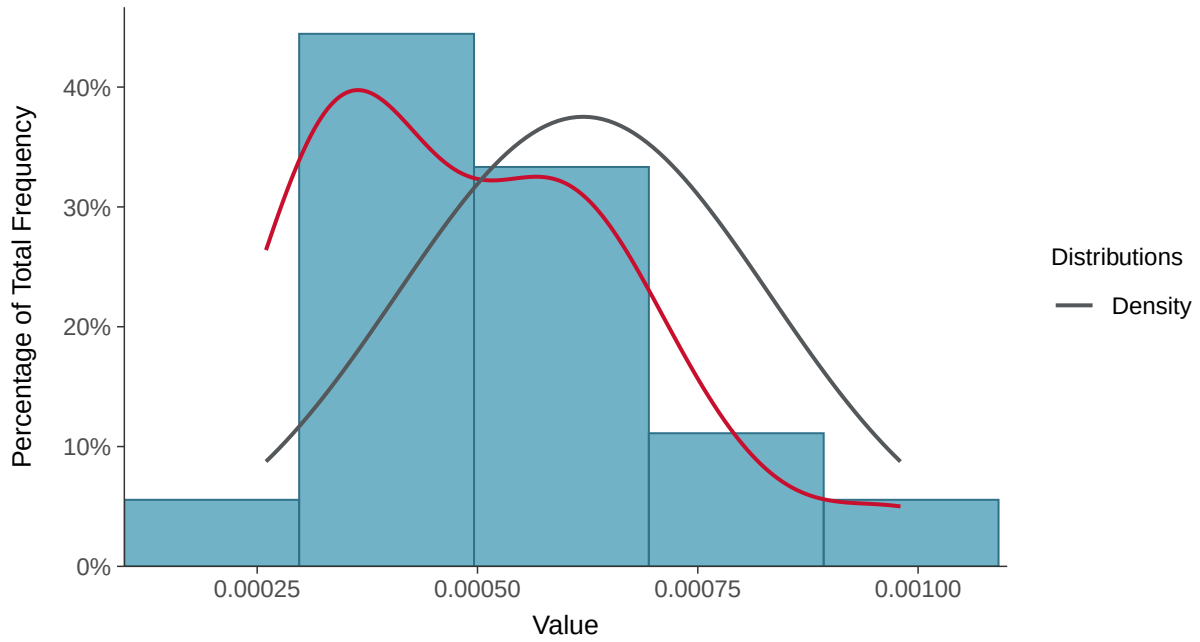
Scatter Plot

Cobalt, MW-08 (mg/L)



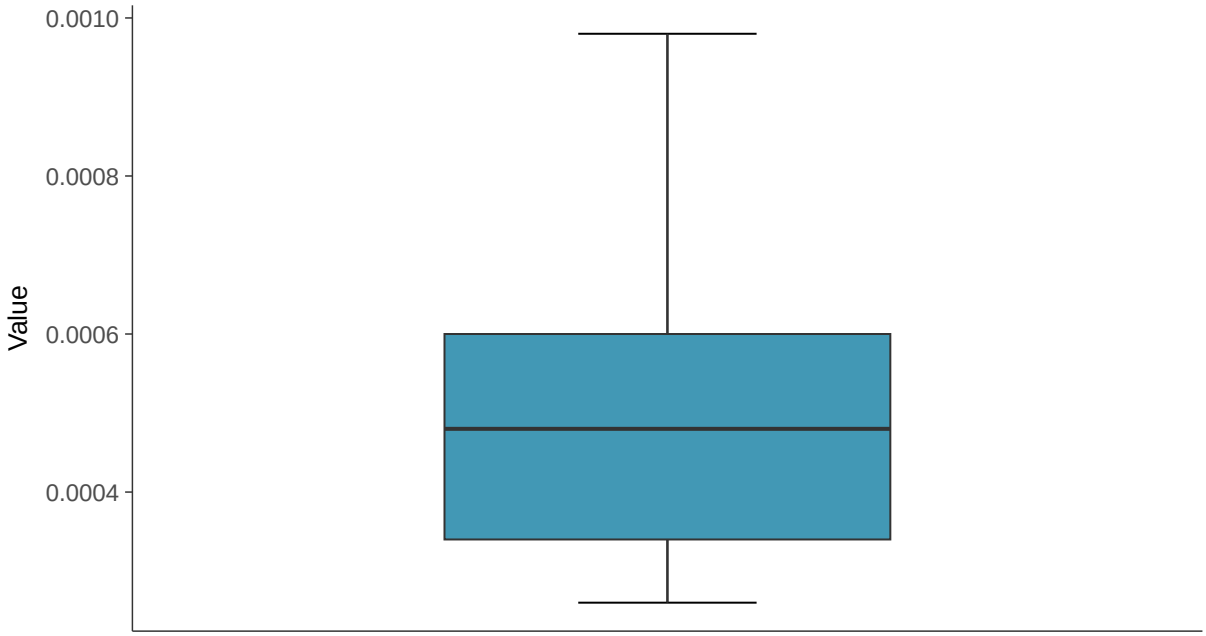
Histogram

Cobalt, MW-08 (mg/L)



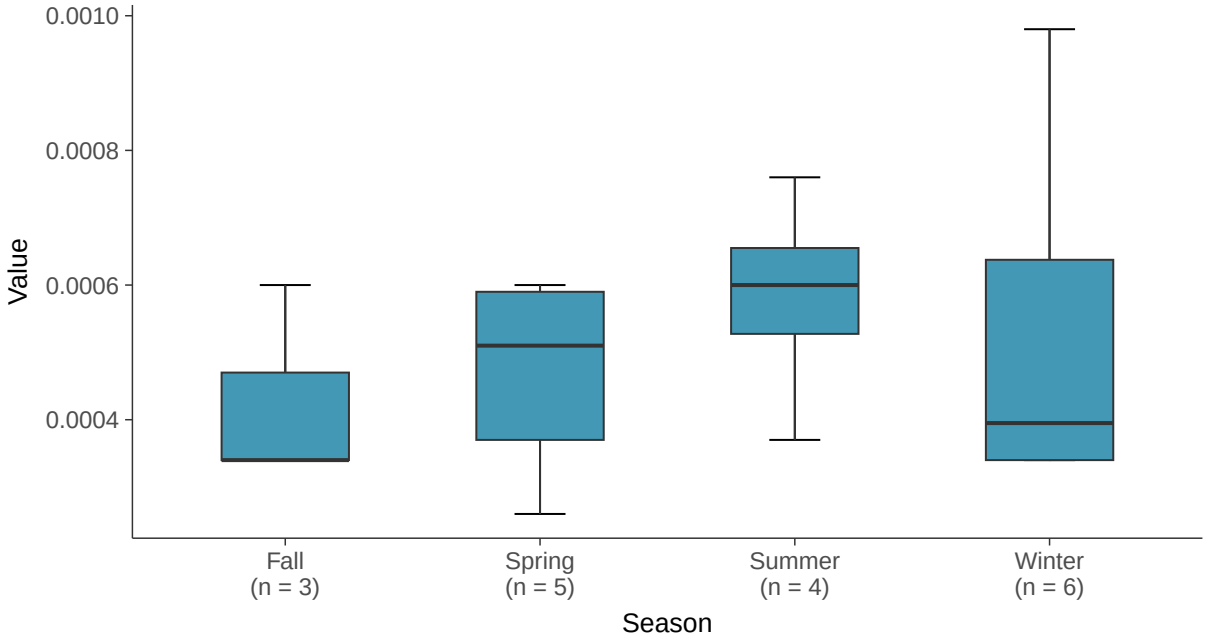
Boxplot

Cobalt, MW-08 (mg/L)



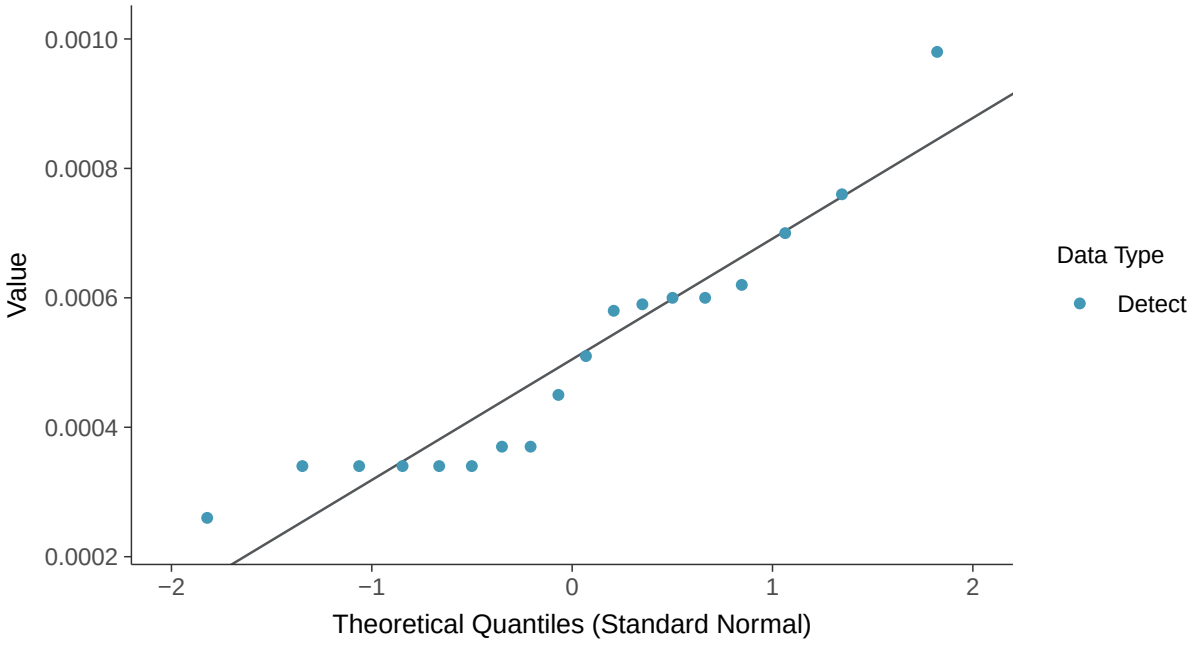
Boxplot by Season

Cobalt, MW-08 (mg/L)



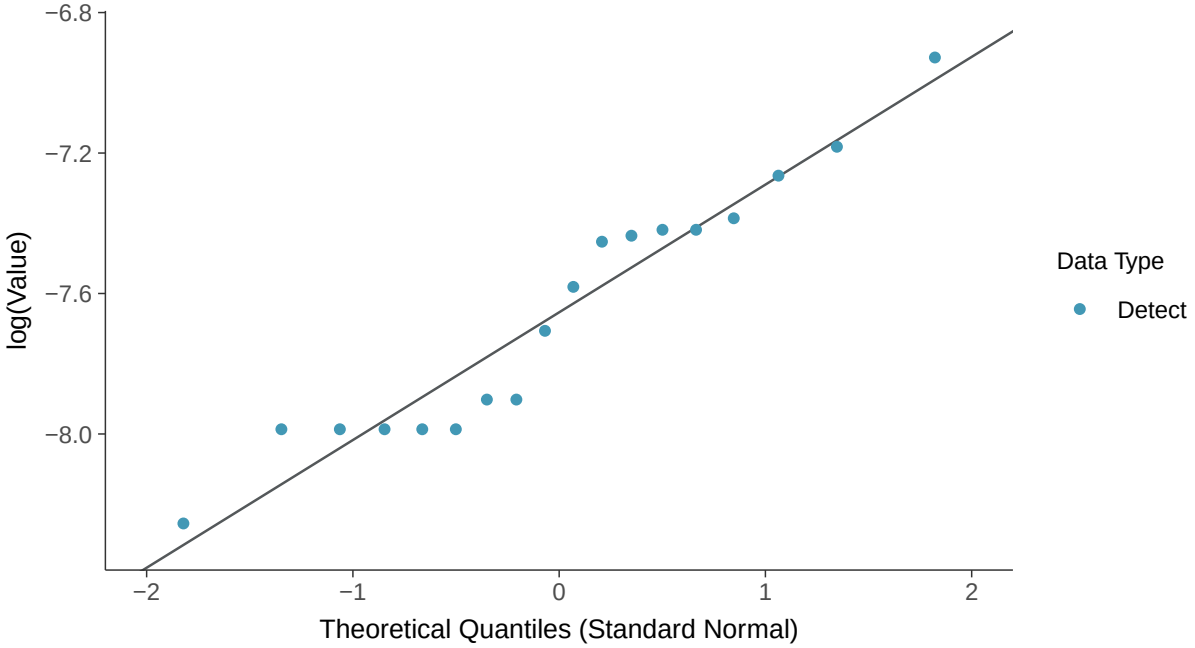
Normal Q-Q plot

Cobalt, MW-08 (mg/L)



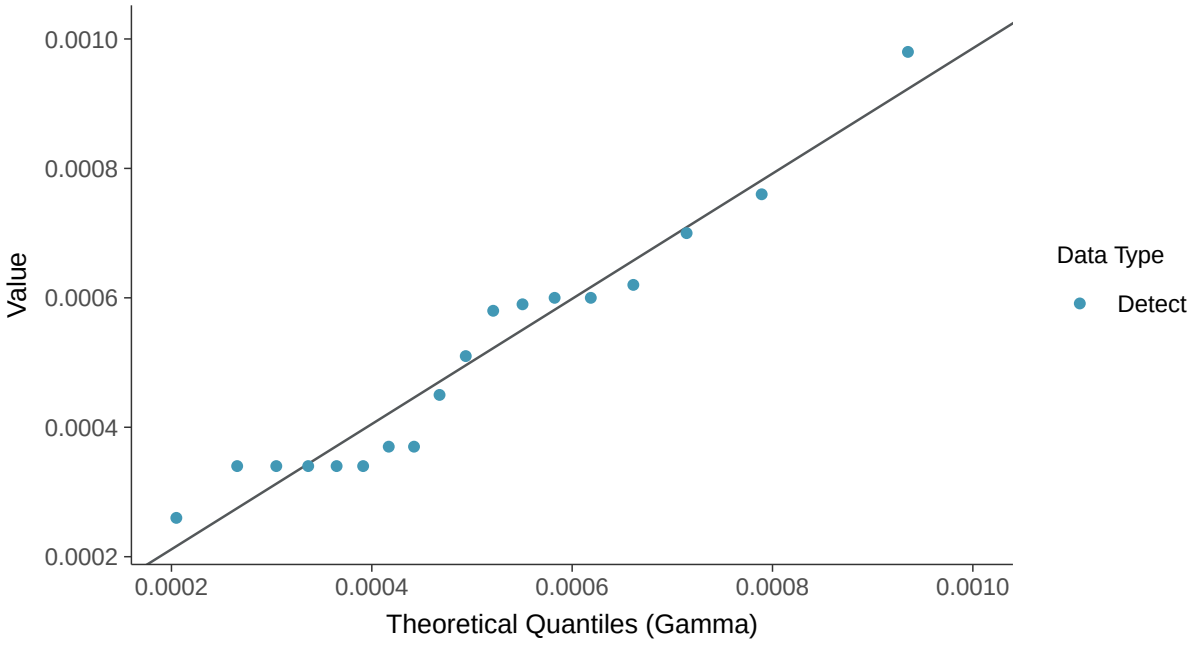
Lognormal Q-Q plot

Cobalt, MW-08 (mg/L)



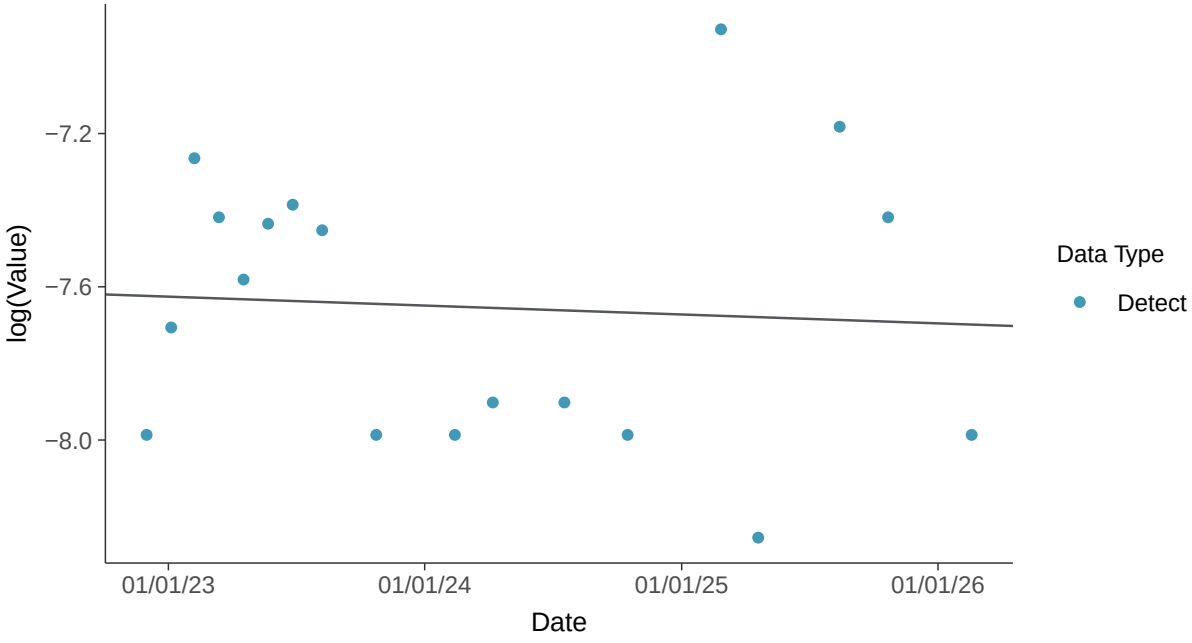
Gamma Q-Q plot

Cobalt, MW-08 (mg/L)



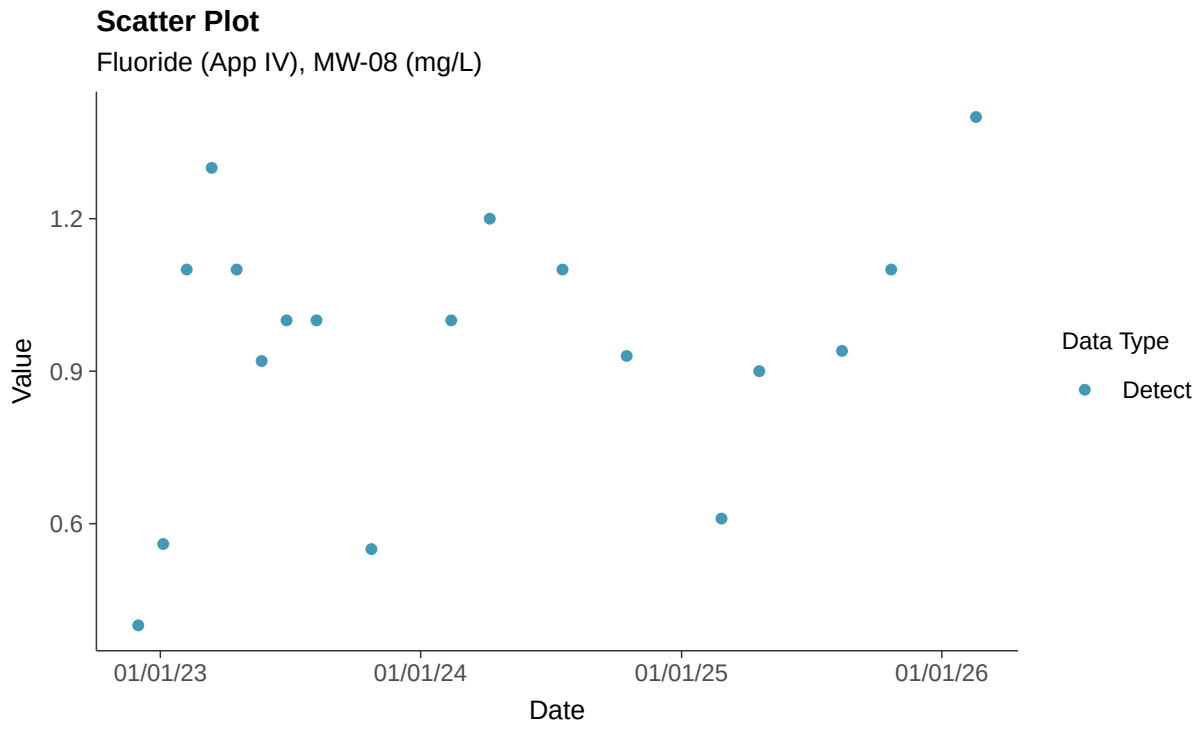
Trend Regression: Lognormal MLE

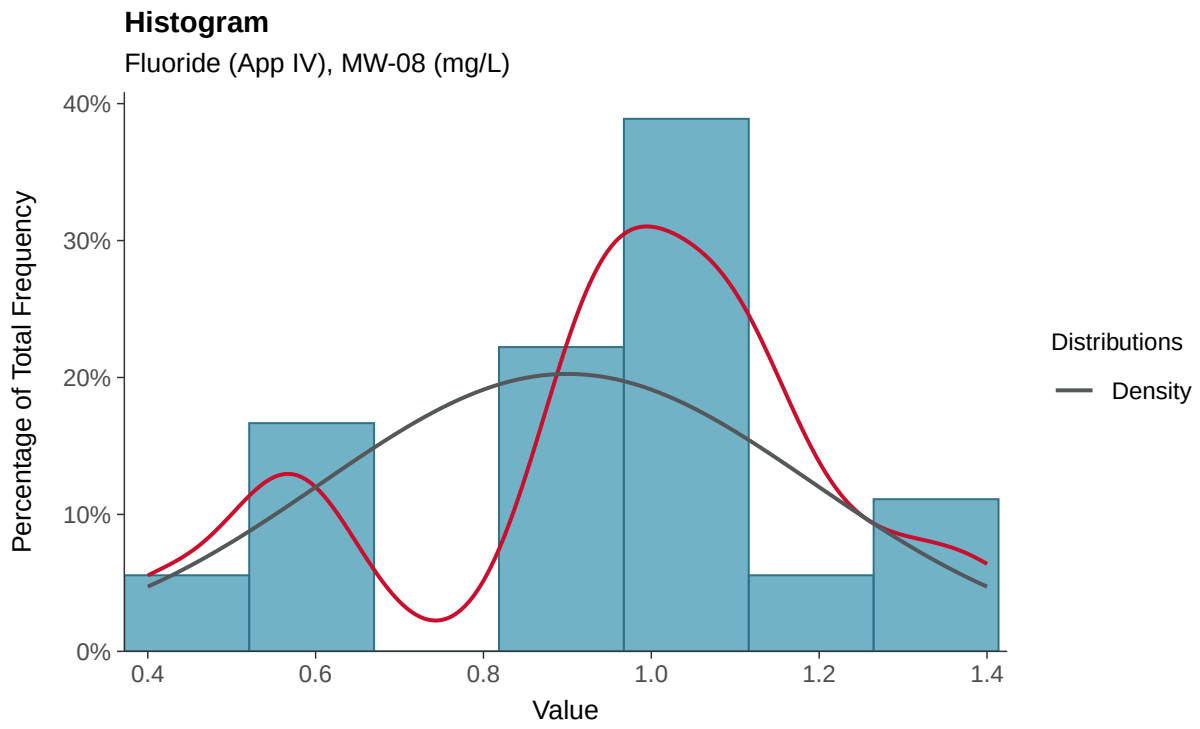
Cobalt, MW-08 (mg/L)



Appendix IV: Fluoride (App IV), MW-08

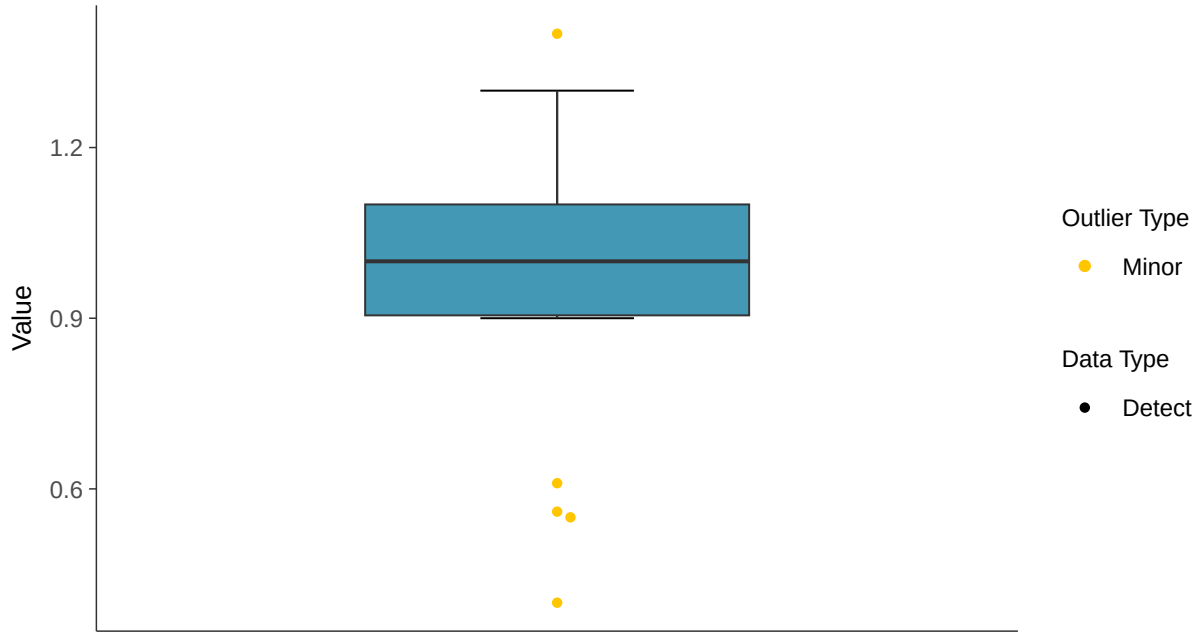
ID: 18_1_4_113





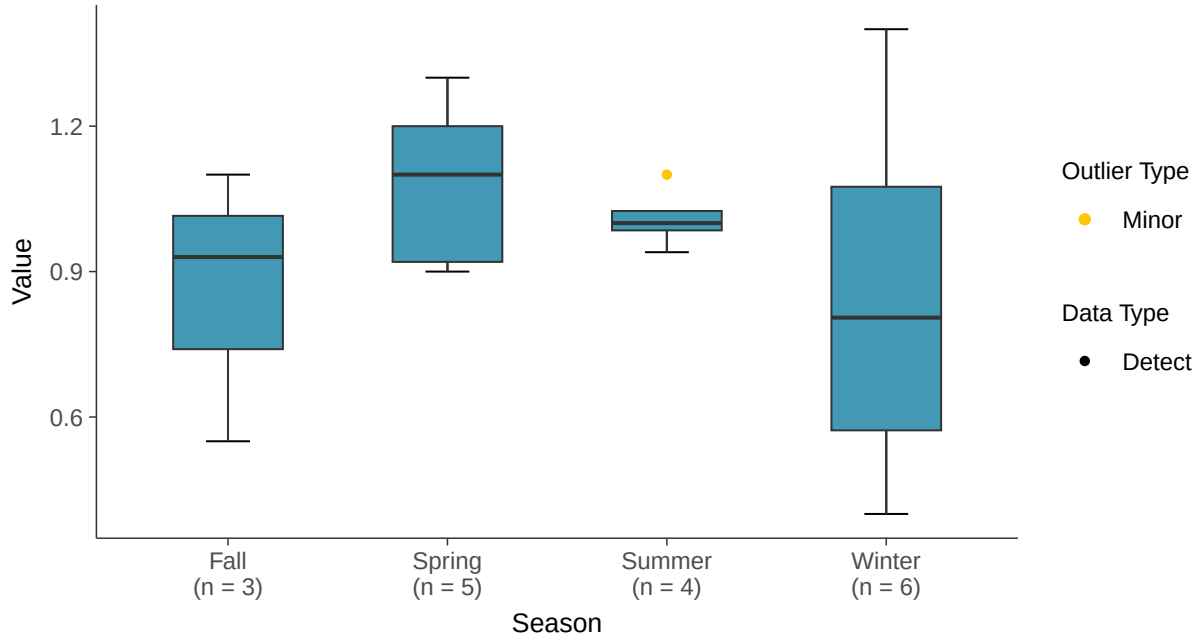
Boxplot

Fluoride (App IV), MW-08 (mg/L)



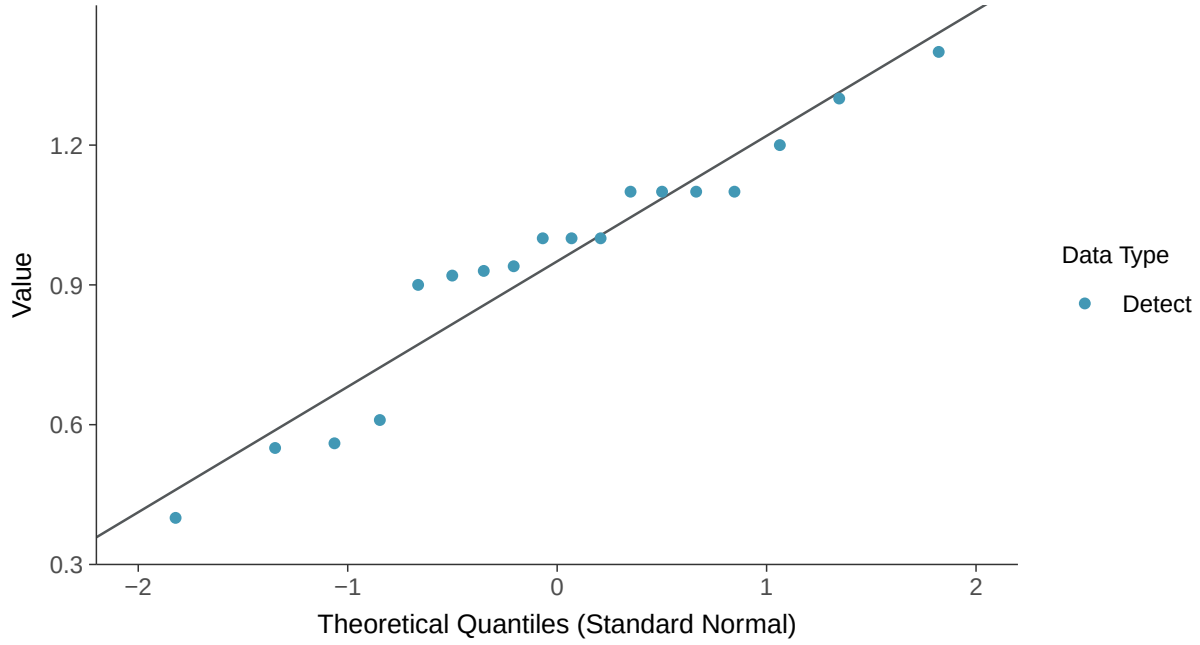
Boxplot by Season

Fluoride (App IV), MW-08 (mg/L)



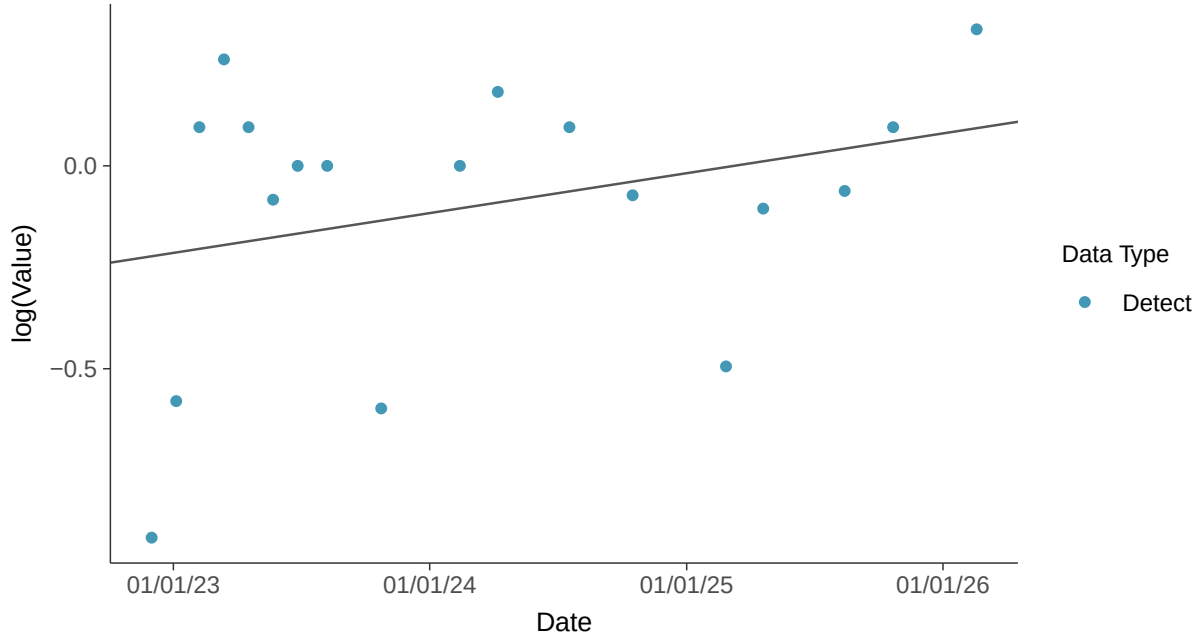
Normal Q-Q plot

Fluoride (App IV), MW-08 (mg/L)



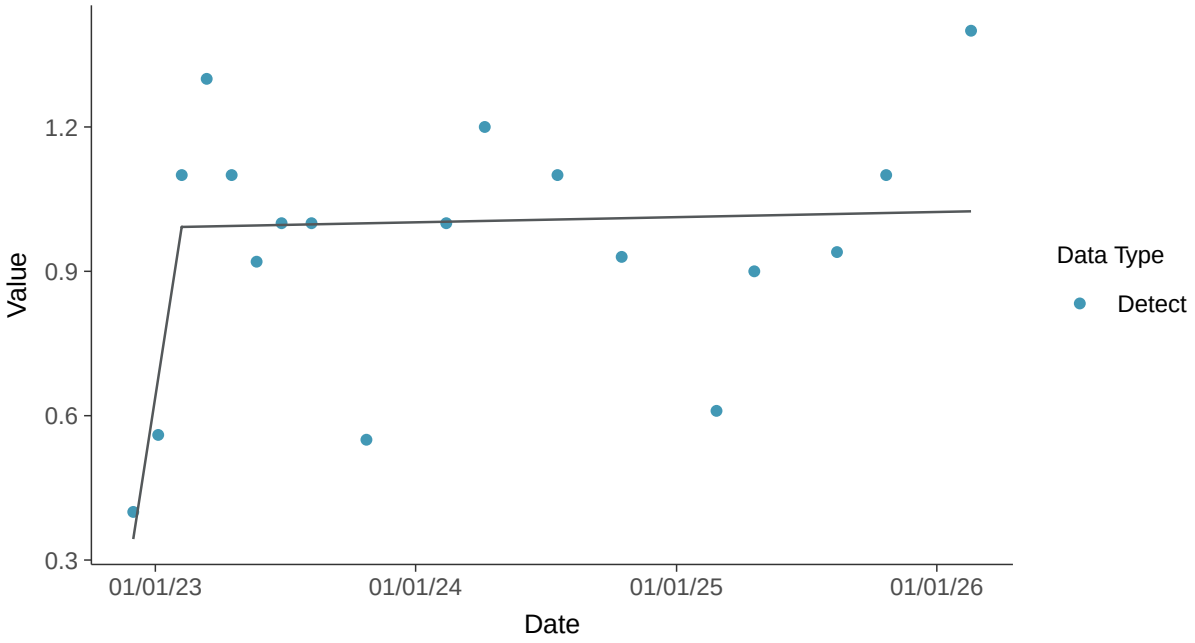
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-08 (mg/L)



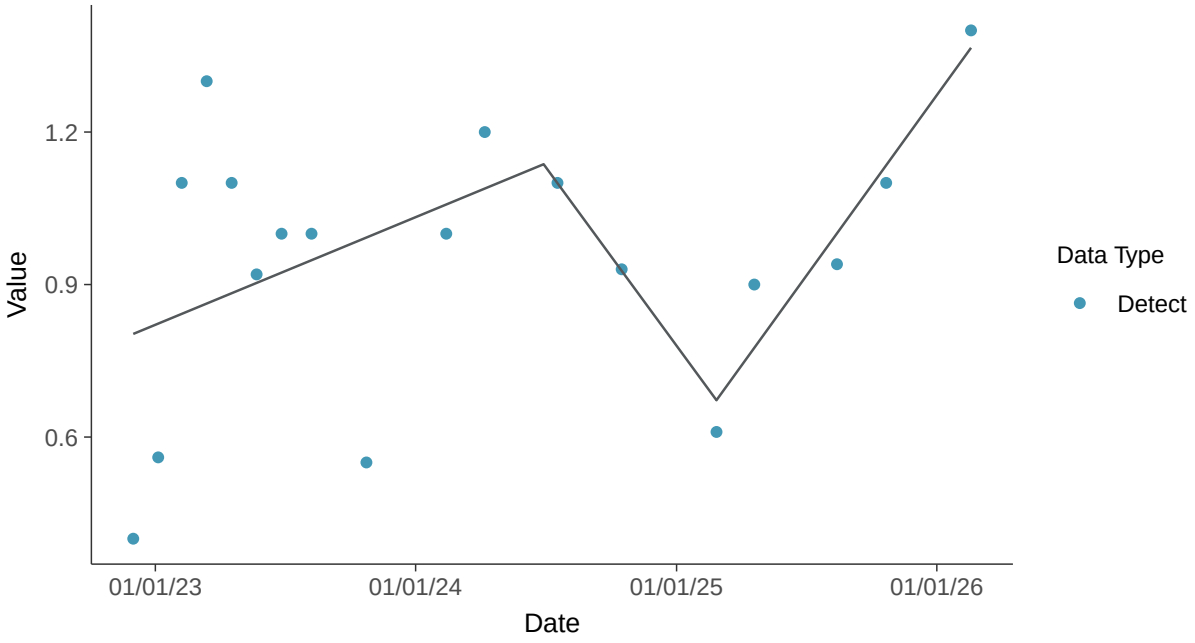
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-08 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Fluoride (App IV), MW-08 (mg/L)

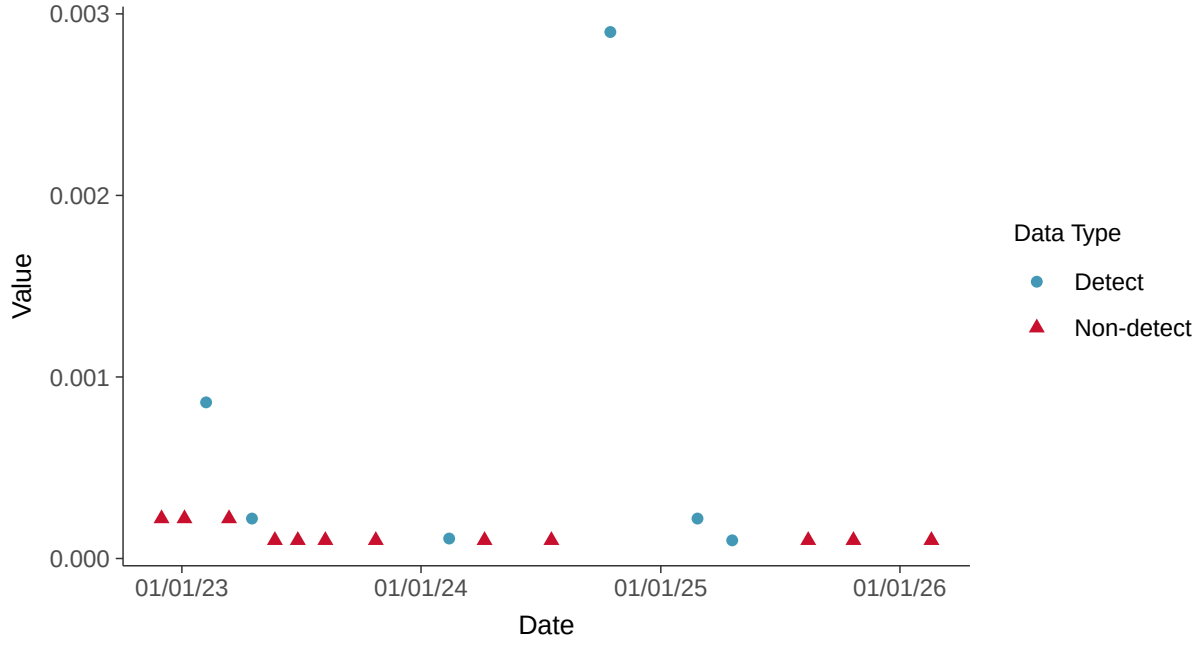


Appendix IV: Lead, MW-08

ID: 18_1_4_115

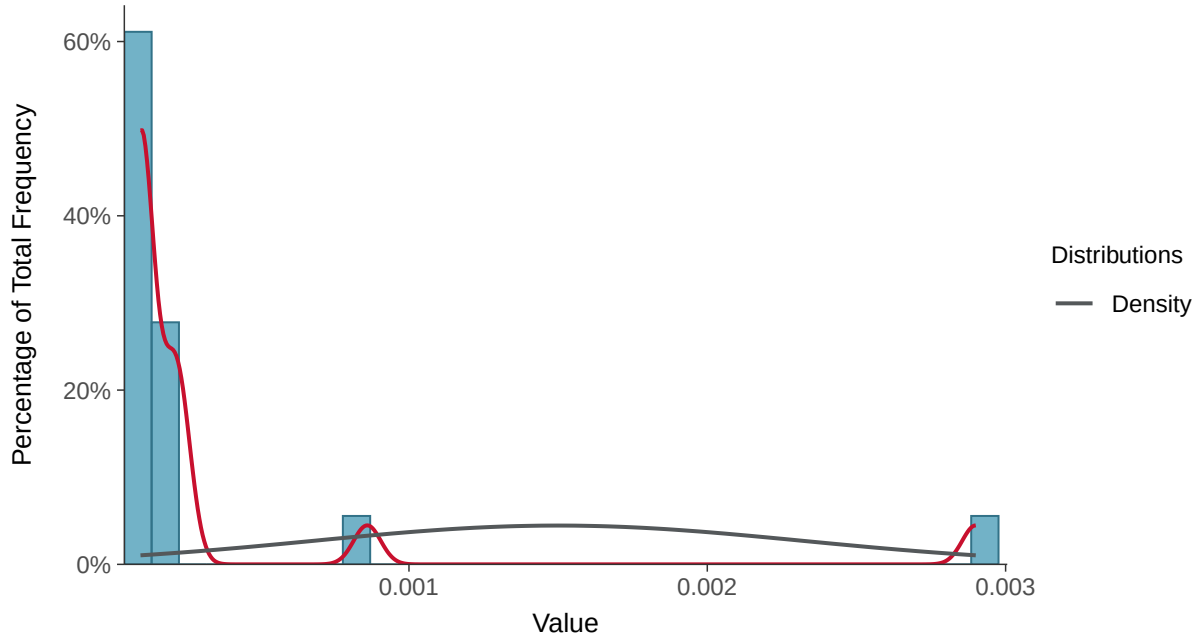
Scatter Plot

Lead, MW-08 (mg/L)



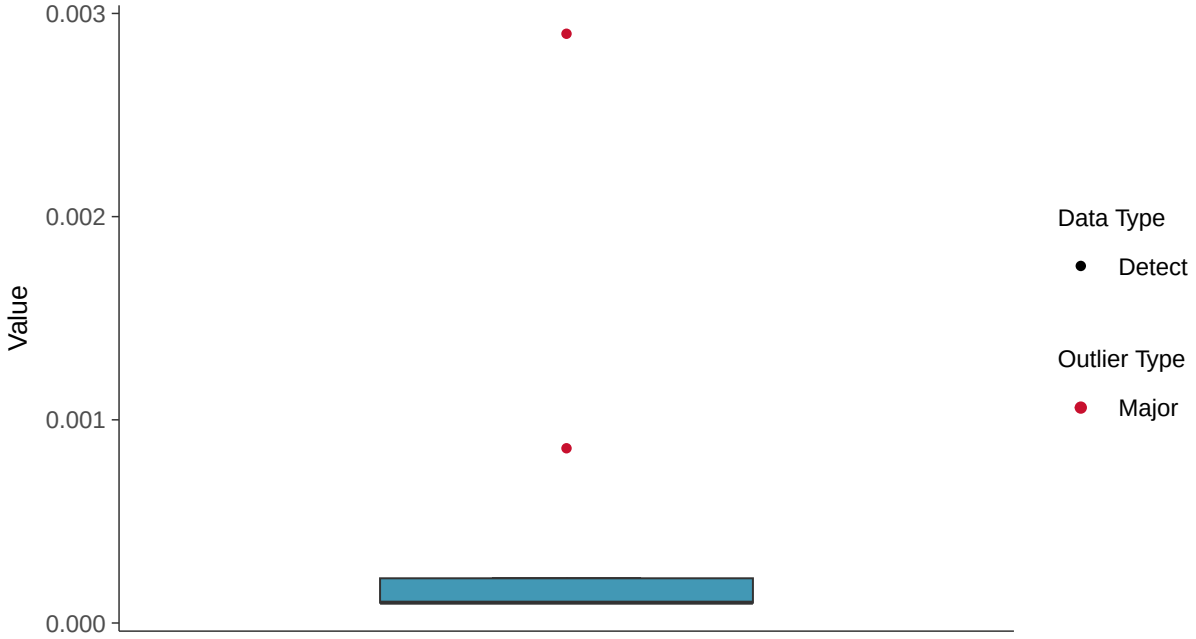
Histogram

Lead, MW-08 (mg/L)



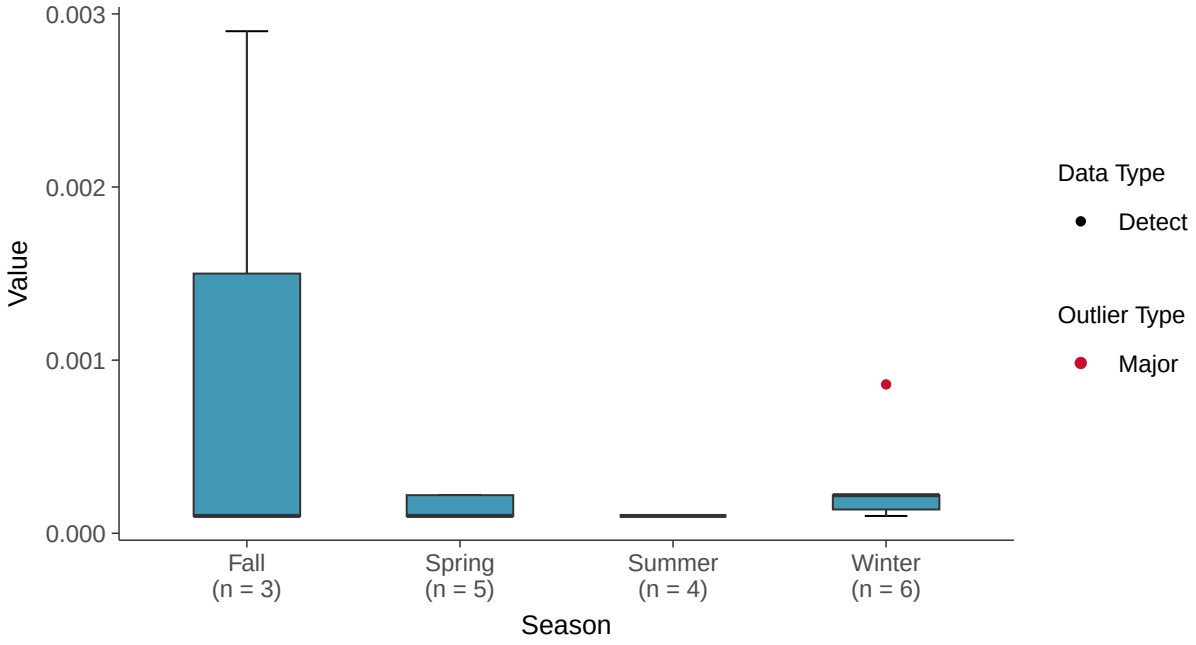
Boxplot

Lead, MW-08 (mg/L)



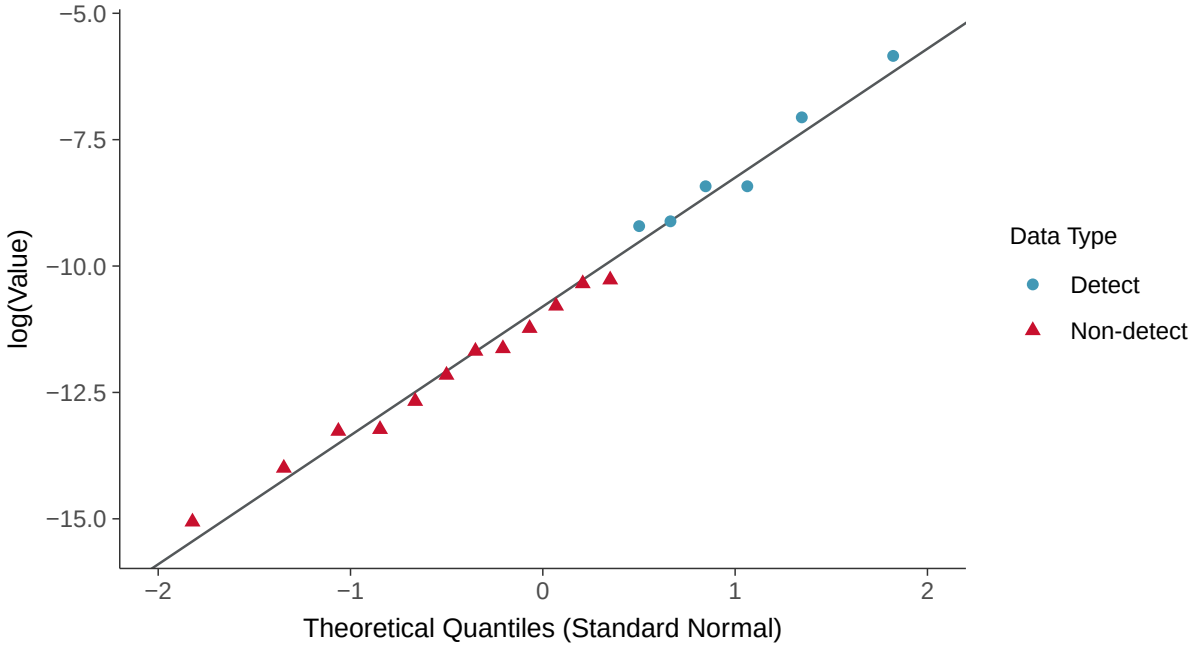
Boxplot by Season

Lead, MW-08 (mg/L)



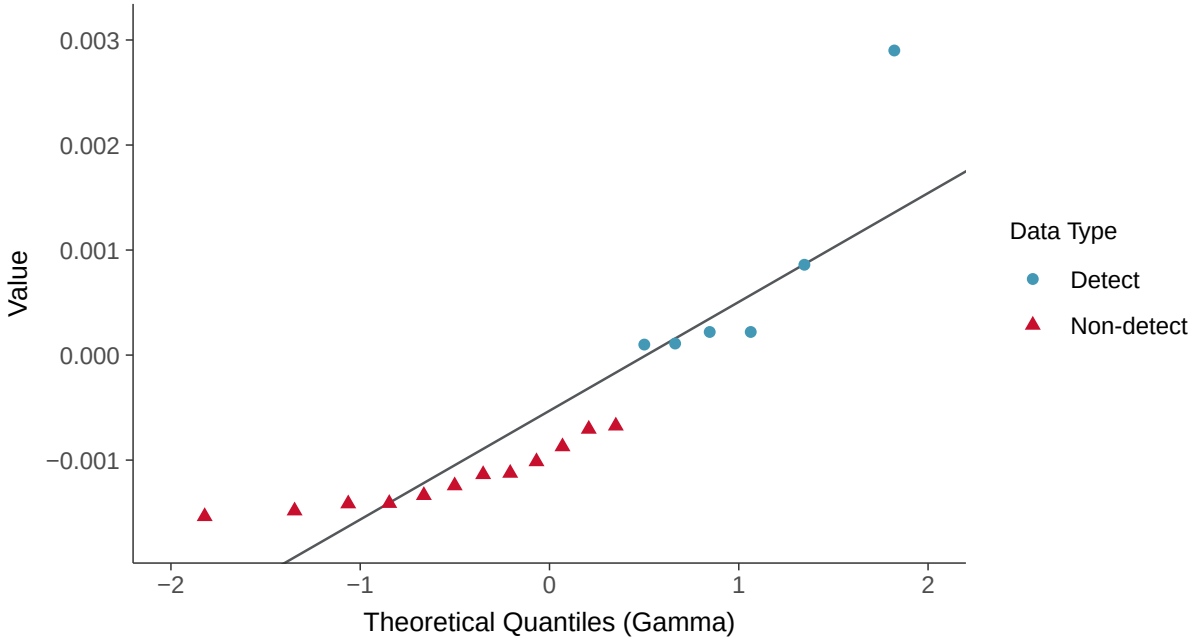
Lognormal Q-Q plot using ROS Imputed Estimates

Lead, MW-08 (mg/L)



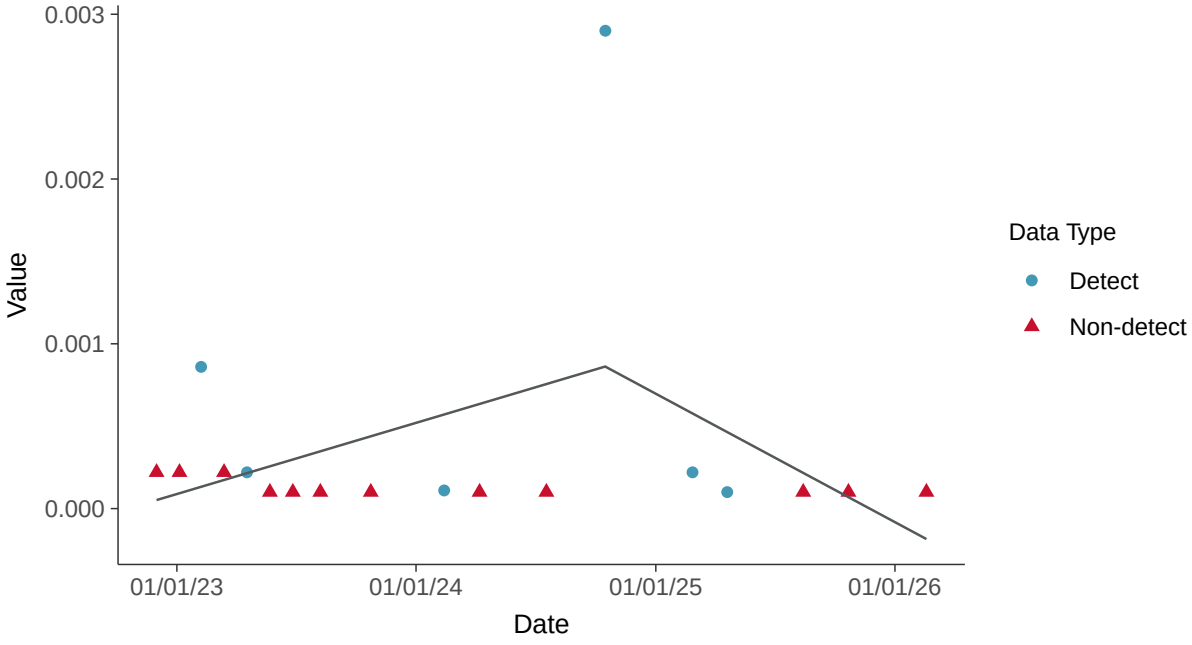
Gamma Q-Q plot using ROS Imputed Estimates

Lead, MW-08 (mg/L)



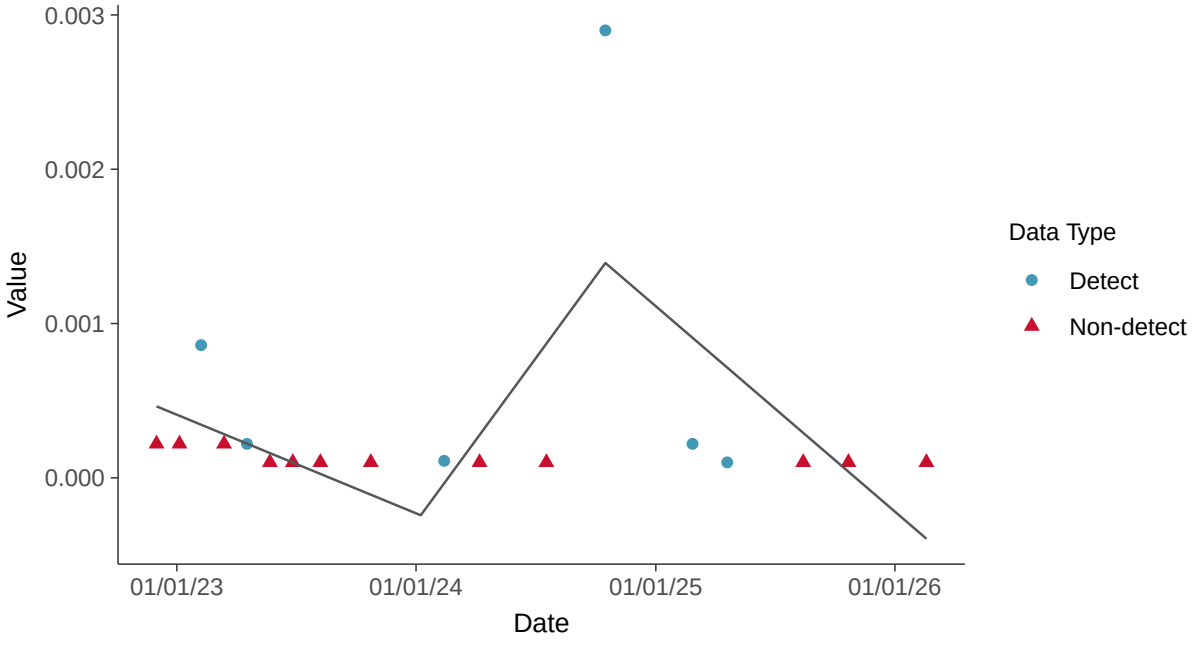
Trend Regression: Piecewise Linear-Linear

Lead, MW-08 (mg/L)



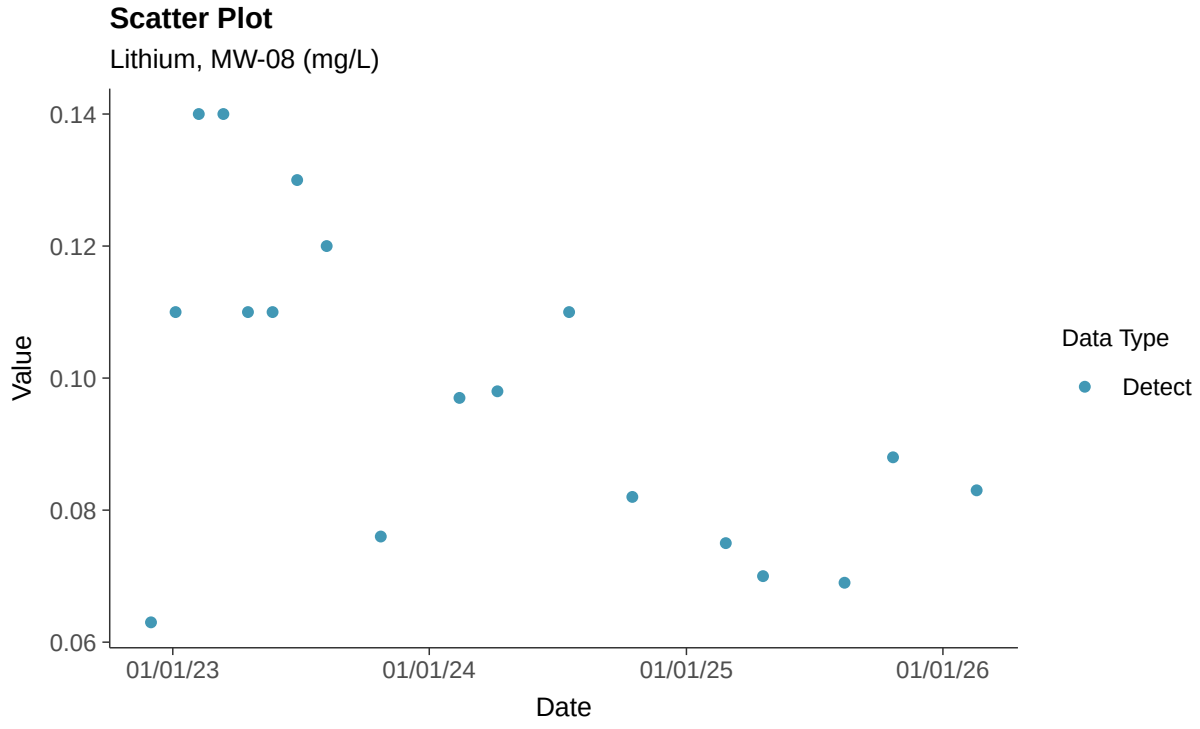
Trend Regression: Piecewise Linear-Linear-Linear

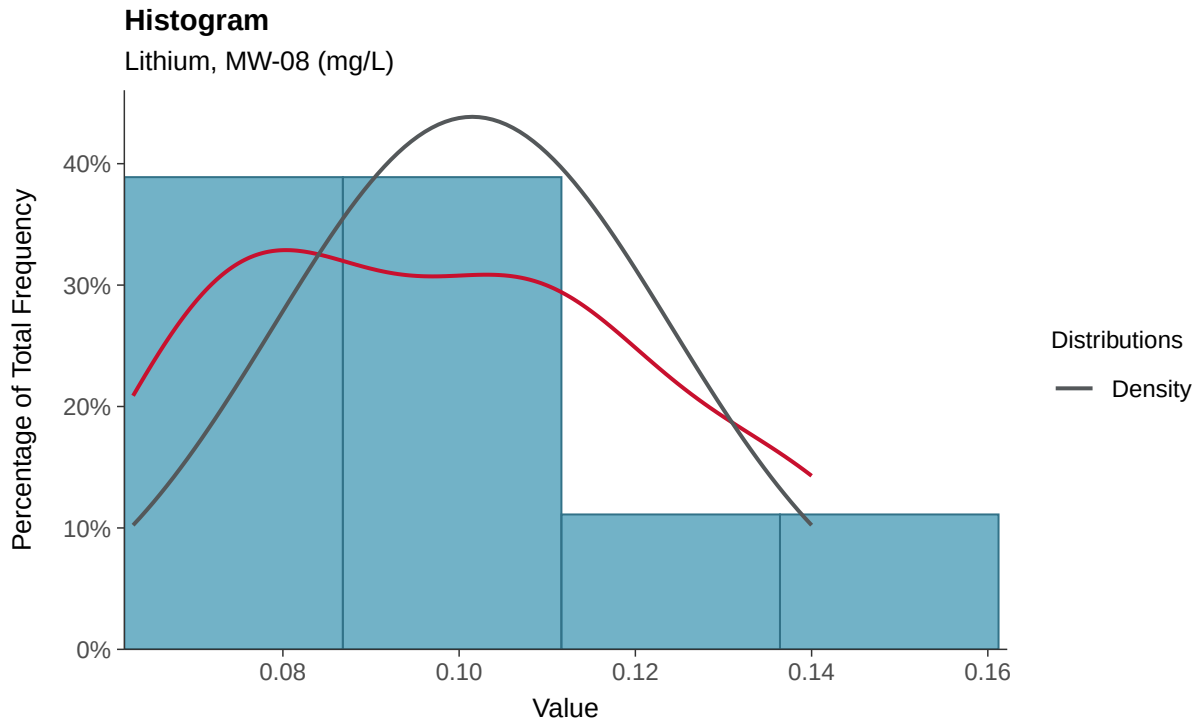
Lead, MW-08 (mg/L)



Appendix IV: Lithium, MW-08

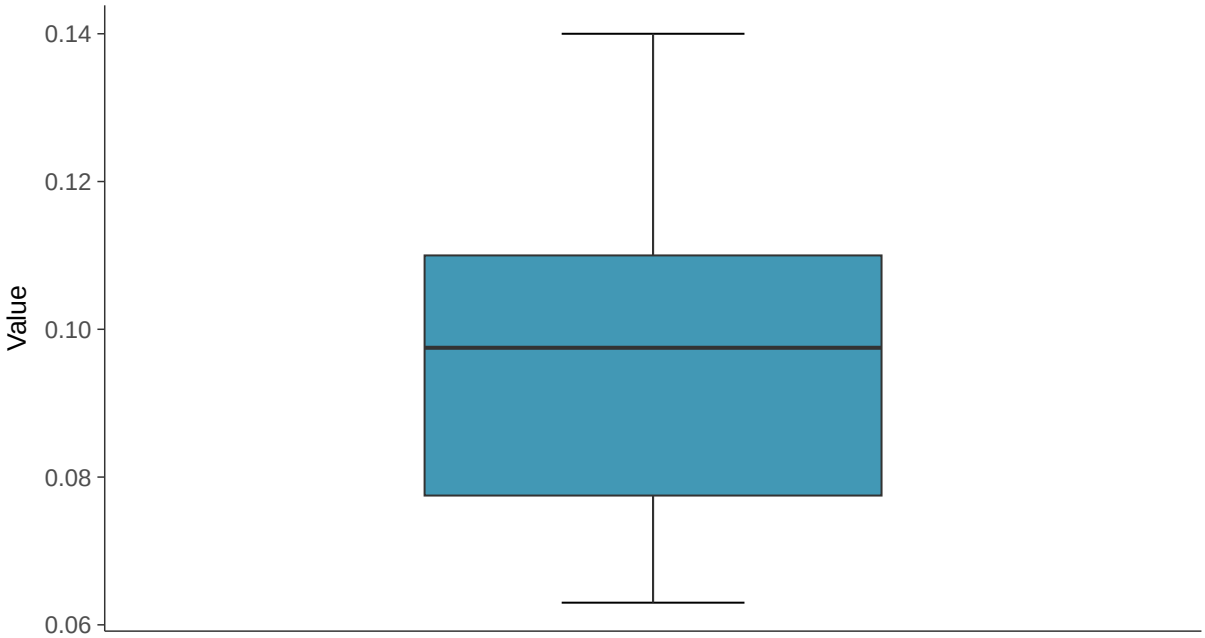
ID: 18_1_4_116





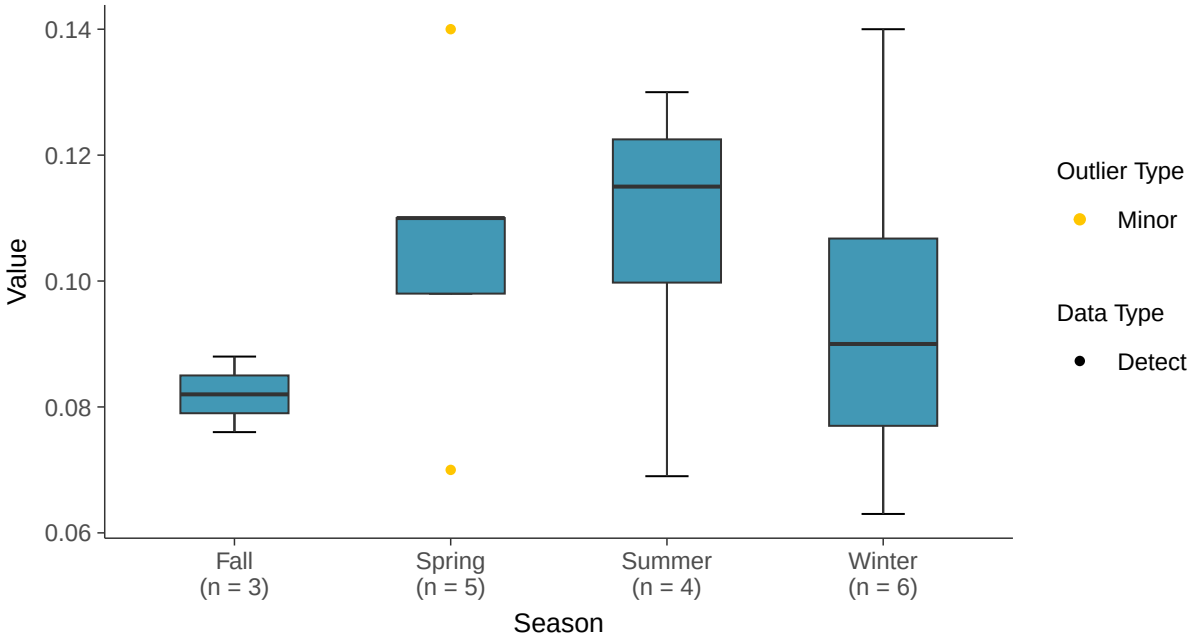
Boxplot

Lithium, MW-08 (mg/L)



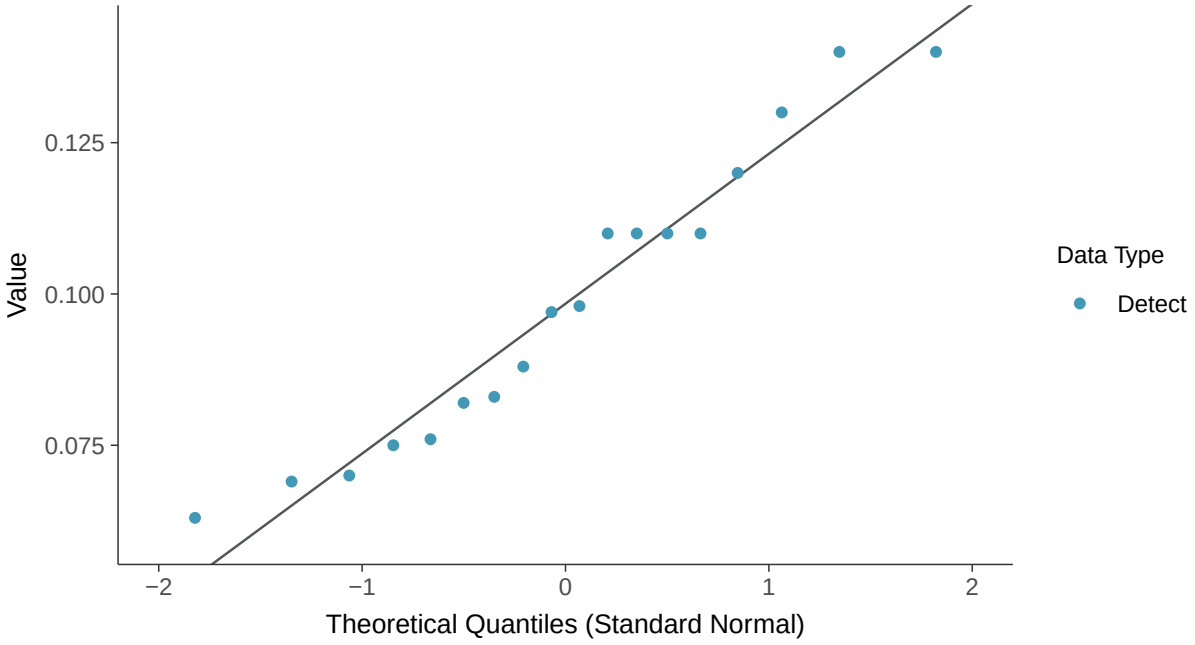
Boxplot by Season

Lithium, MW-08 (mg/L)



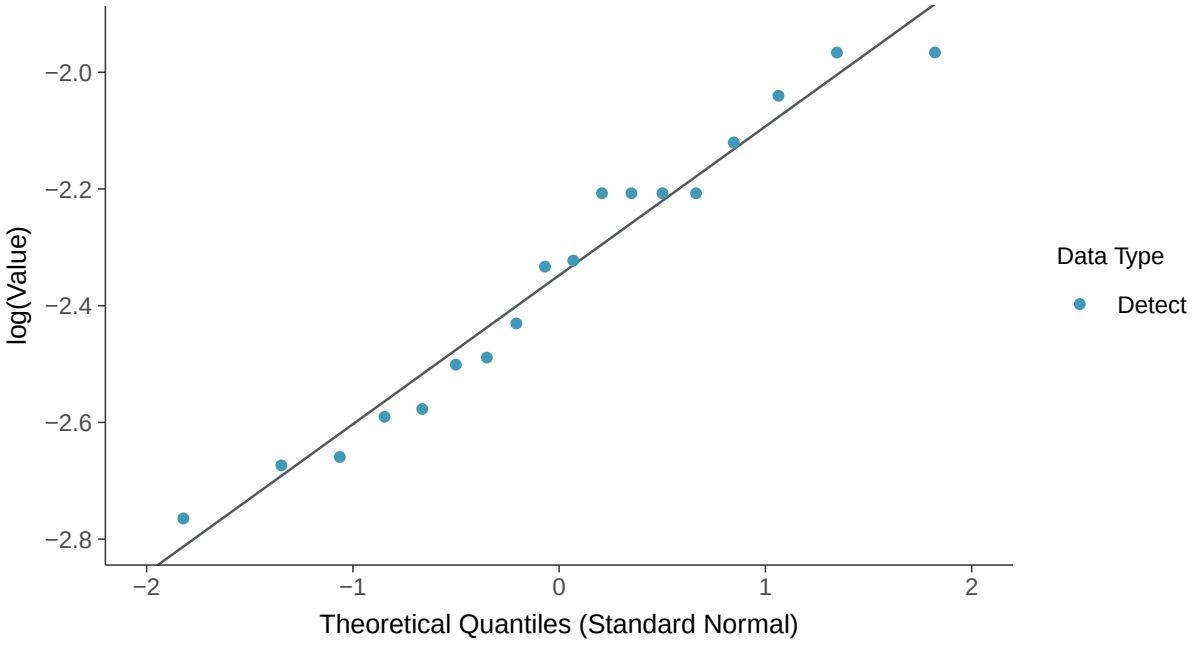
Normal Q-Q plot

Lithium, MW-08 (mg/L)



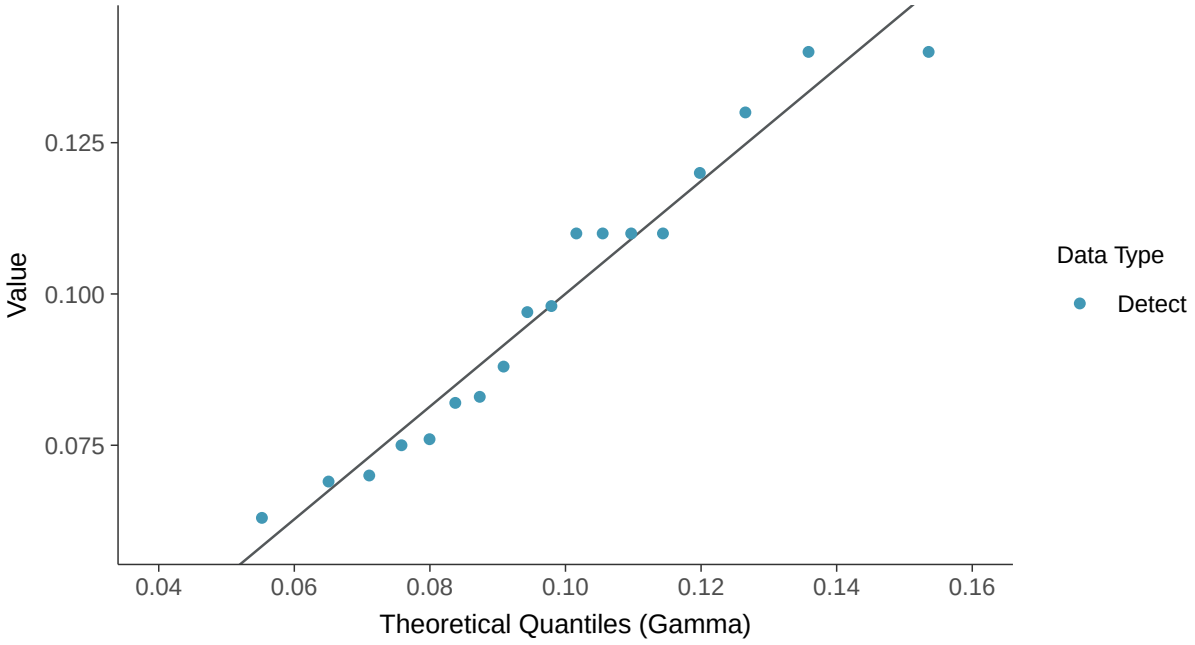
Lognormal Q-Q plot

Lithium, MW-08 (mg/L)



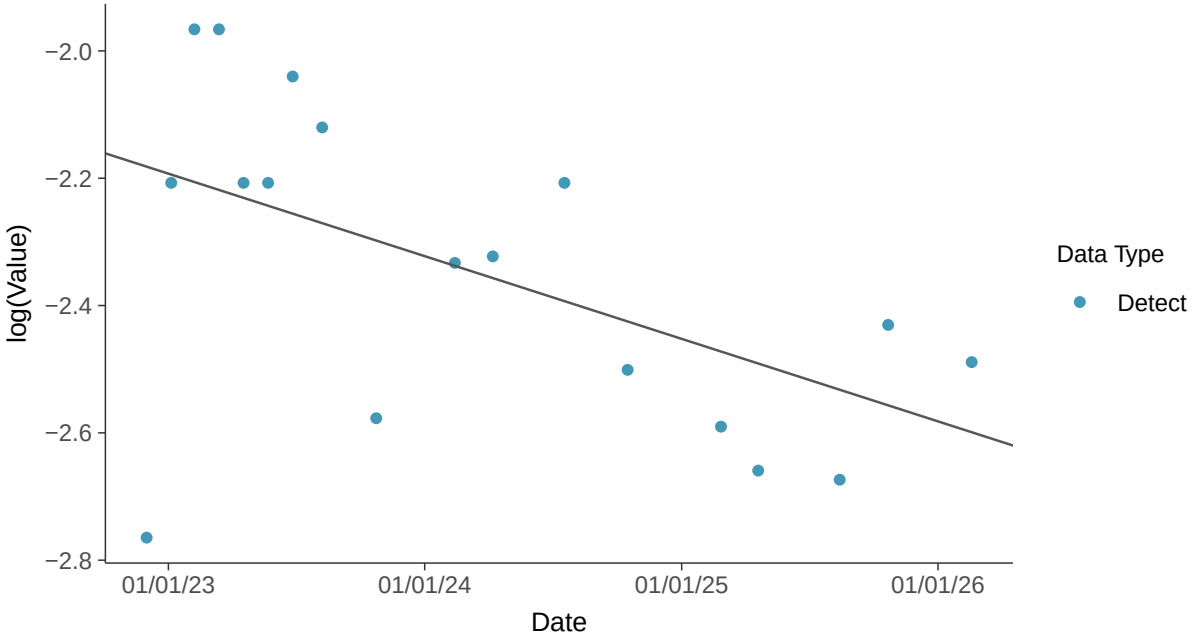
Gamma Q-Q plot

Lithium, MW-08 (mg/L)



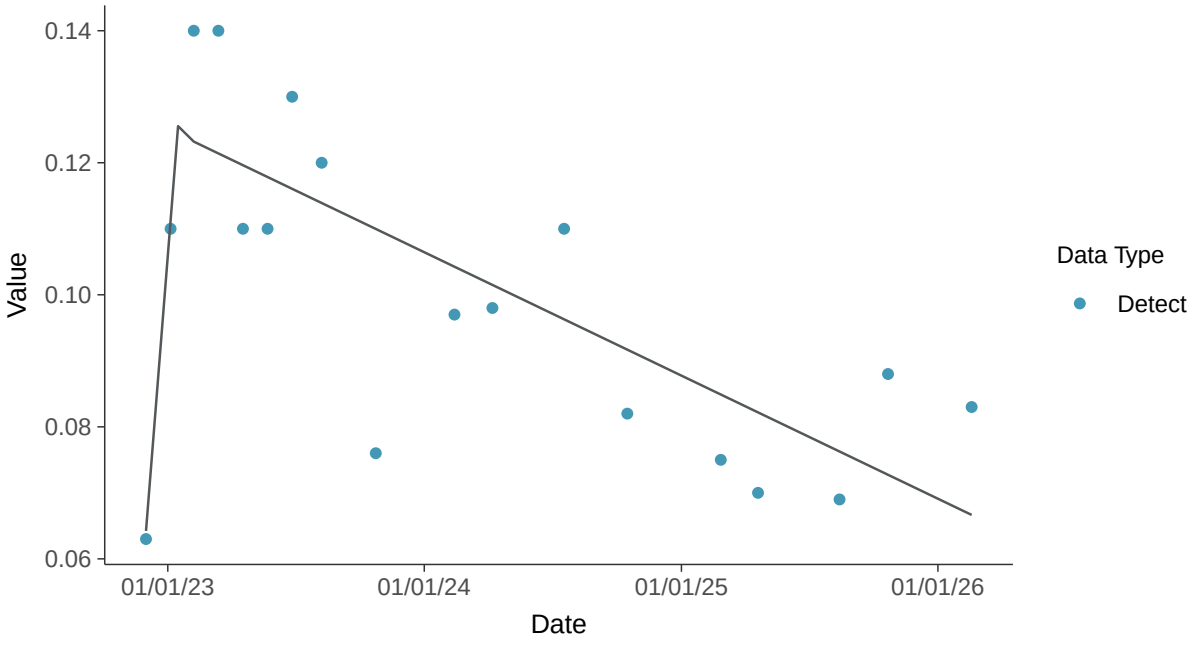
Trend Regression: Lognormal MLE

Lithium, MW-08 (mg/L)



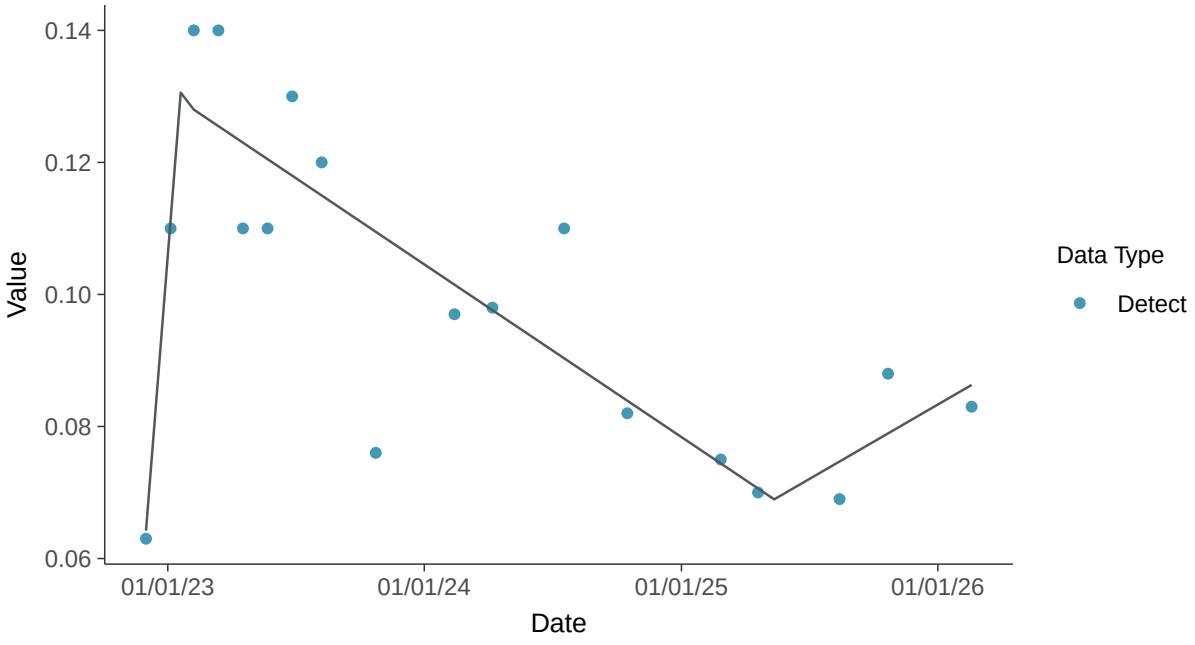
Trend Regression: Piecewise Linear-Linear

Lithium, MW-08 (mg/L)



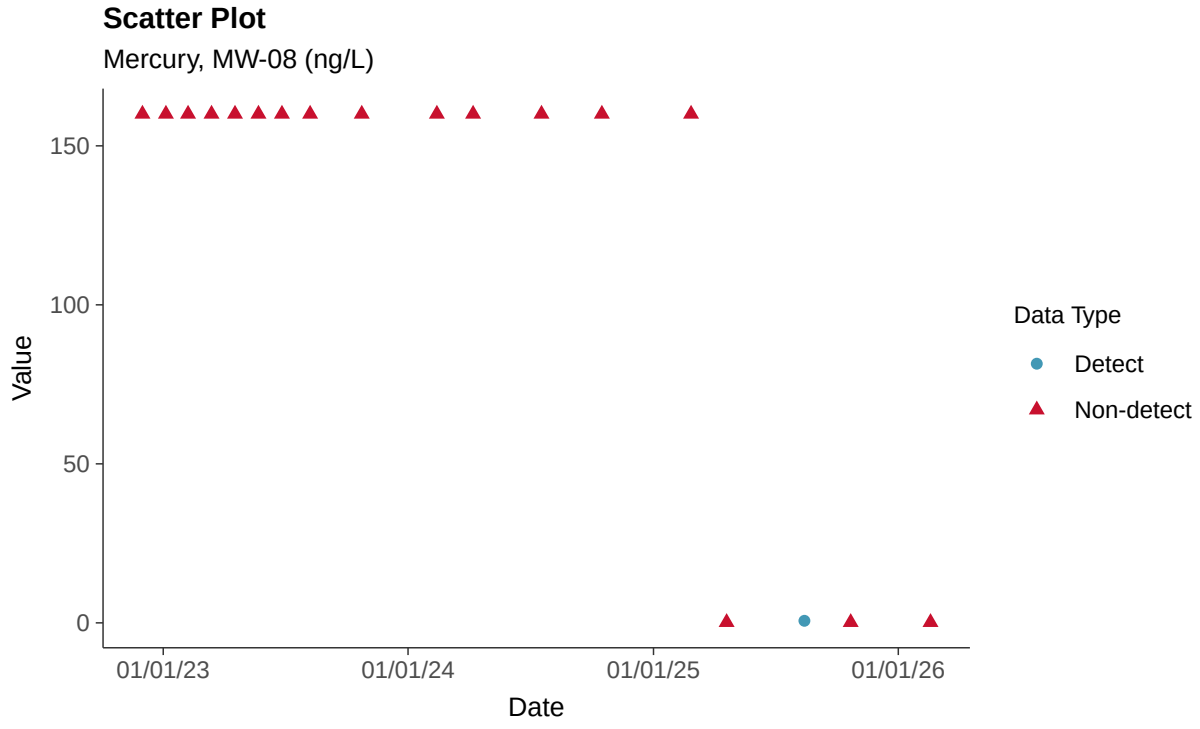
Trend Regression: Piecewise Linear-Linear-Linear

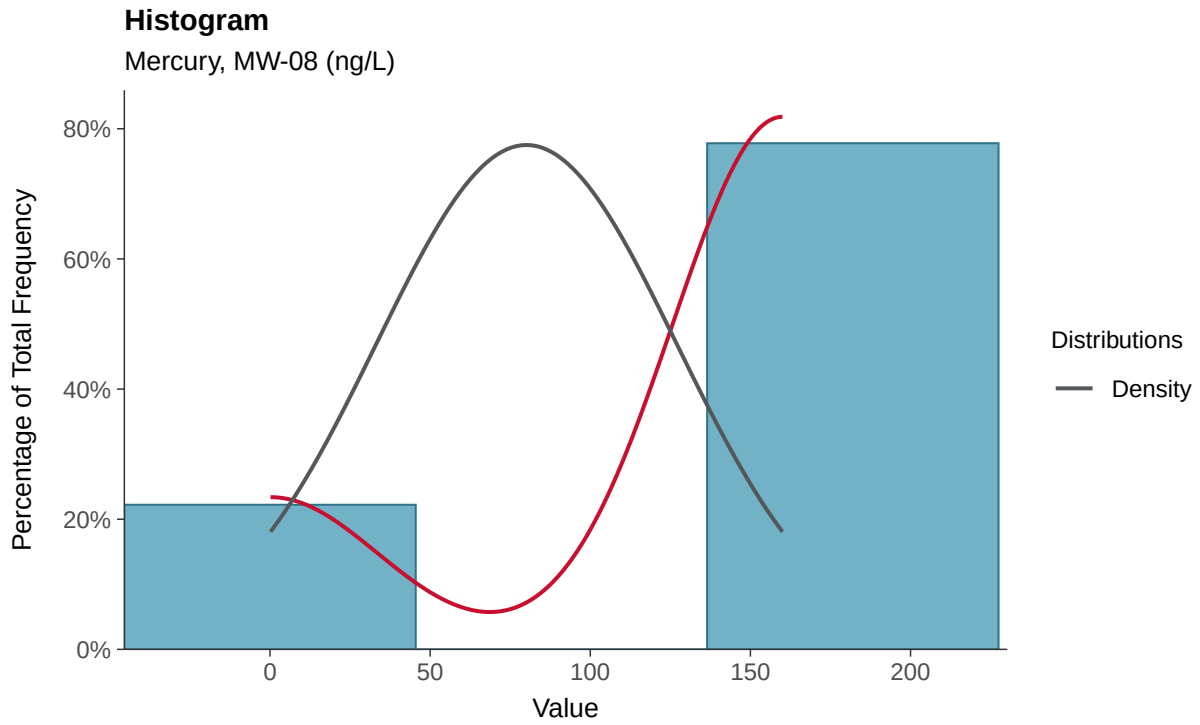
Lithium, MW-08 (mg/L)



Appendix IV: Mercury, MW-08

ID: 18_1_4_117



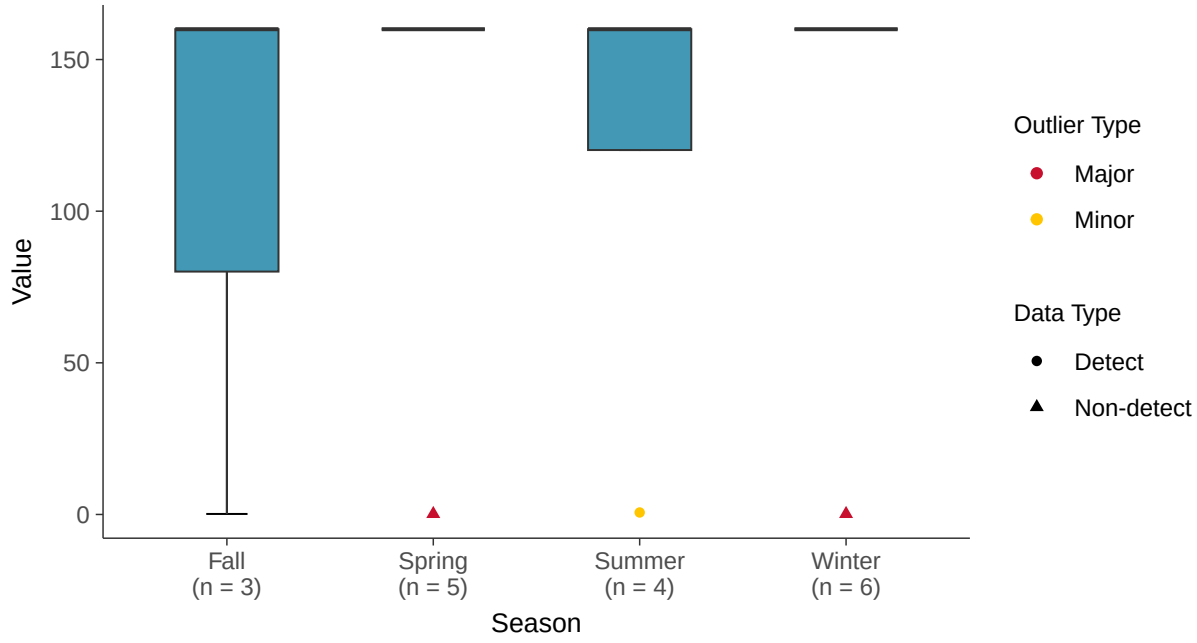


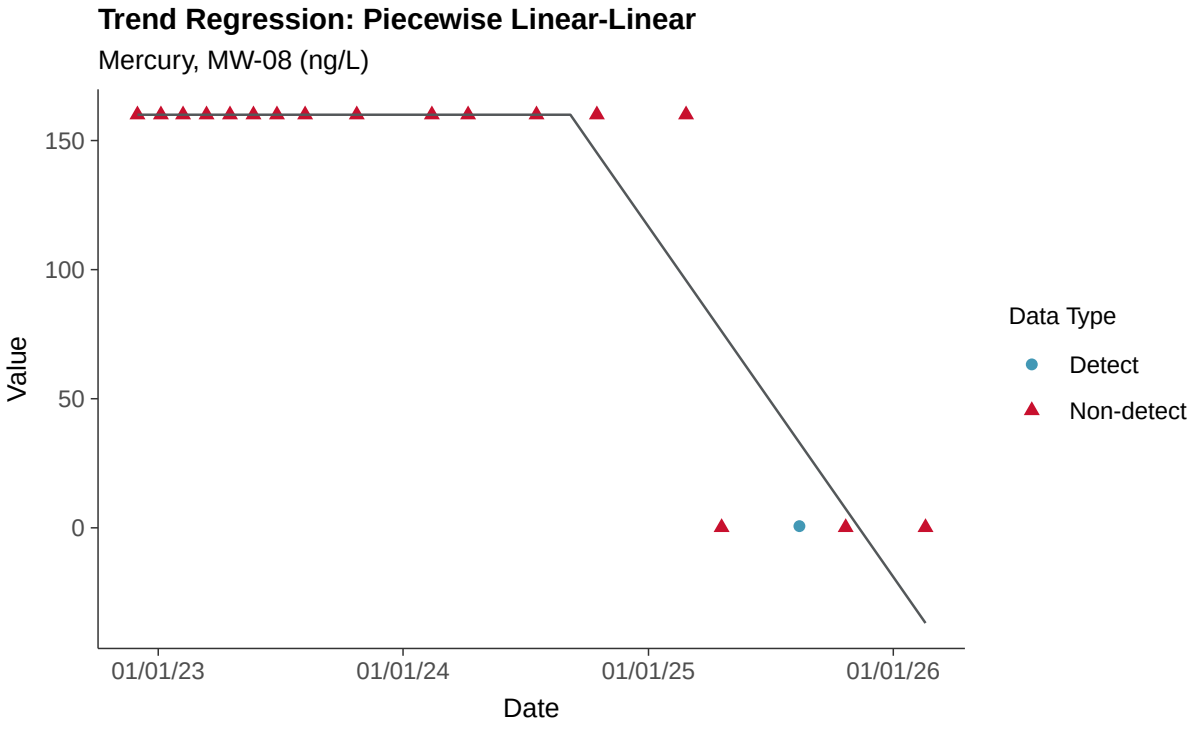
Boxplot

Mercury, MW-08 (ng/L)

Boxplot by Season

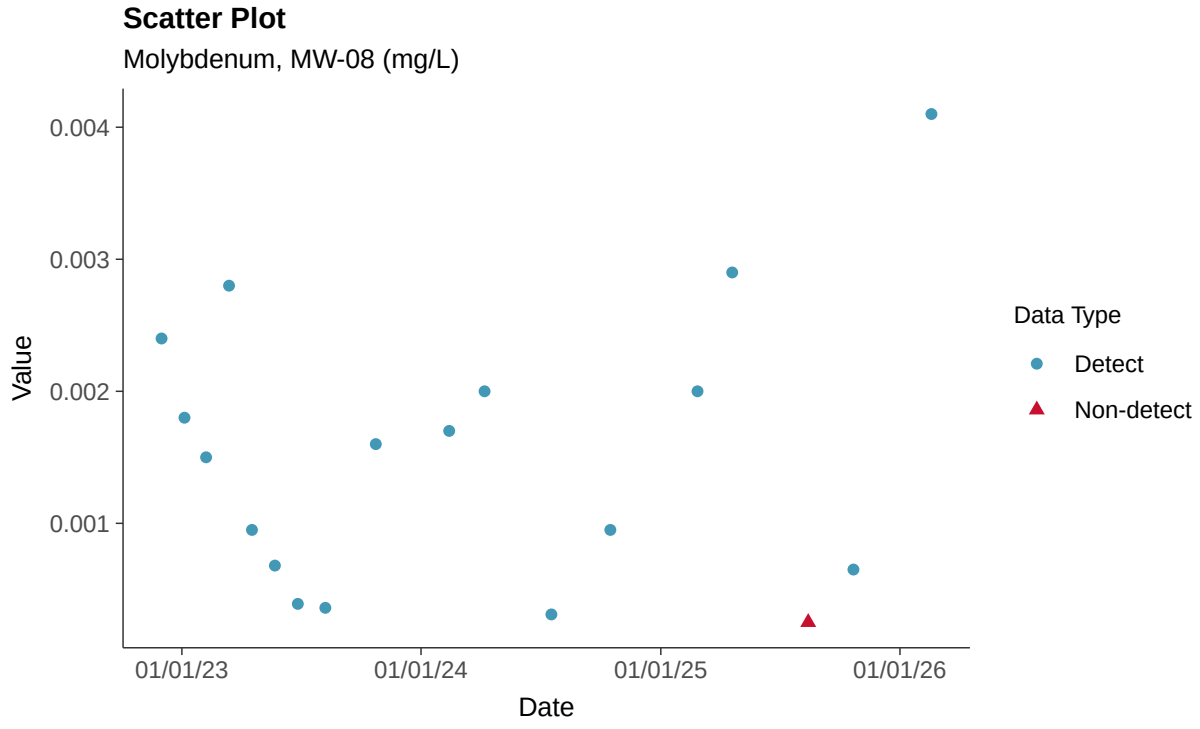
Mercury, MW-08 (ng/L)

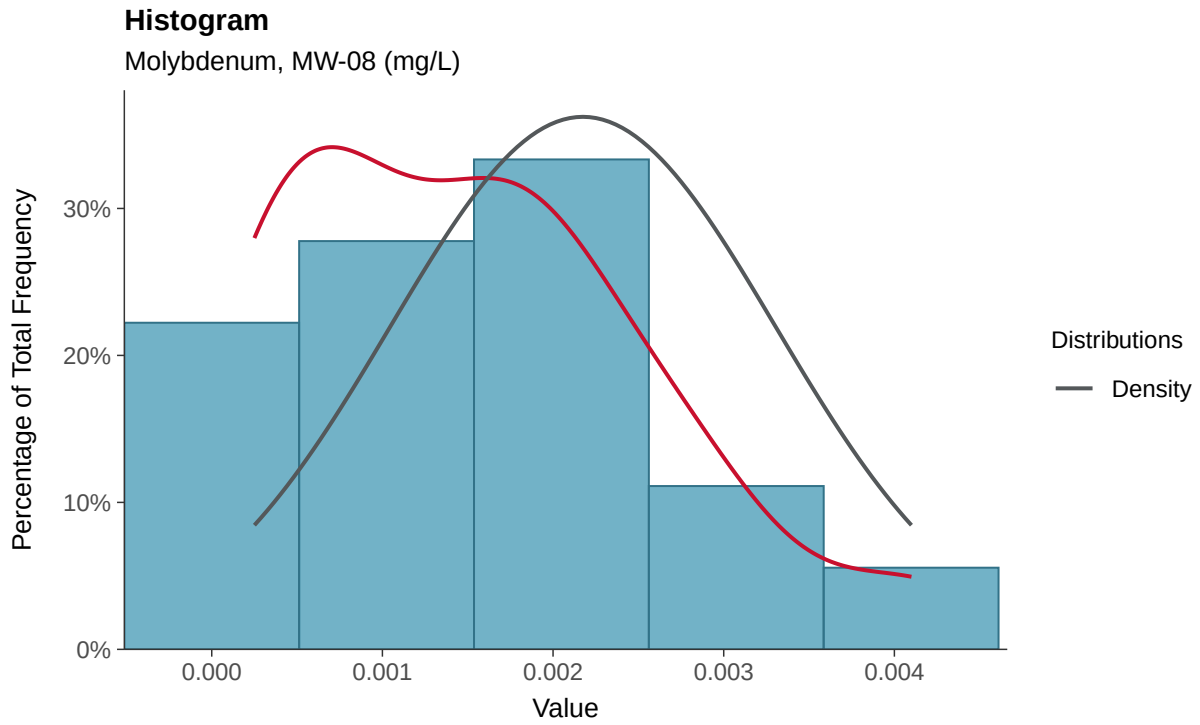



Trend Regression: Piecewise Linear-Linear
Mercury, MW-08 (ng/L)
Value
150
100
50
0
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Molybdenum, MW-08

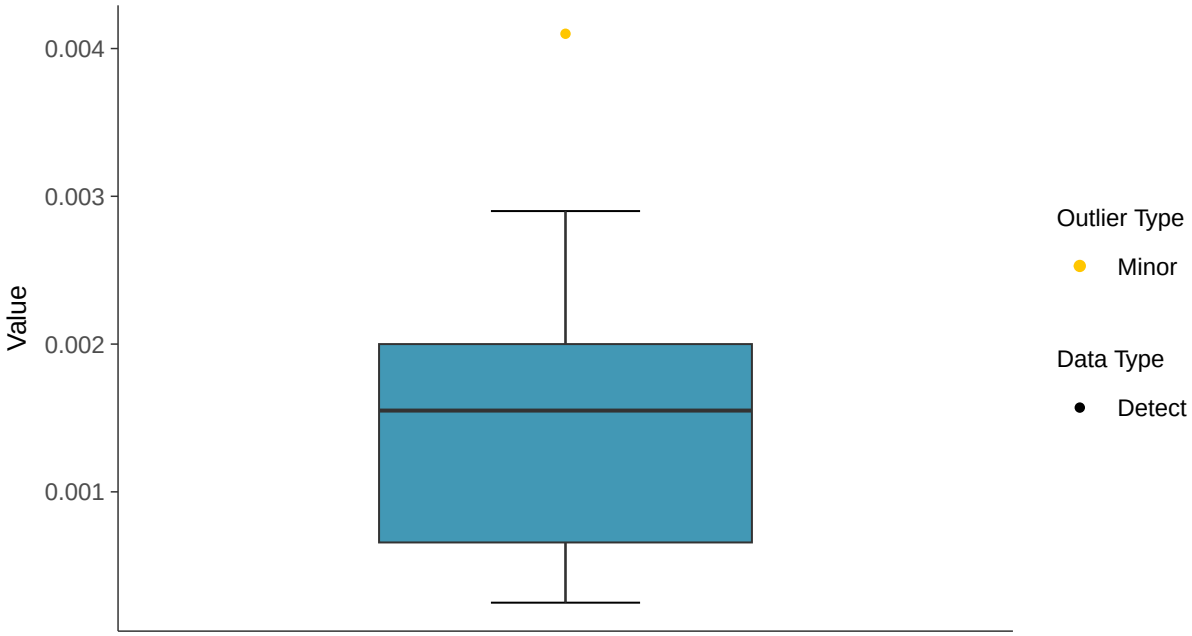
ID: 18_1_4_118





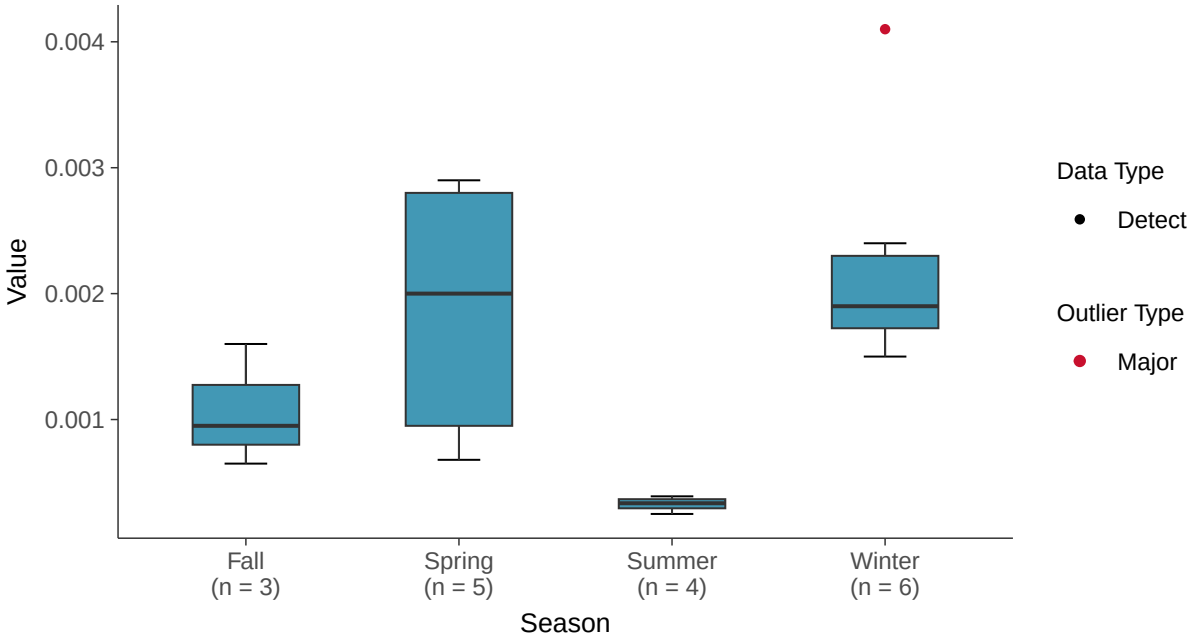
Boxplot

Molybdenum, MW-08 (mg/L)



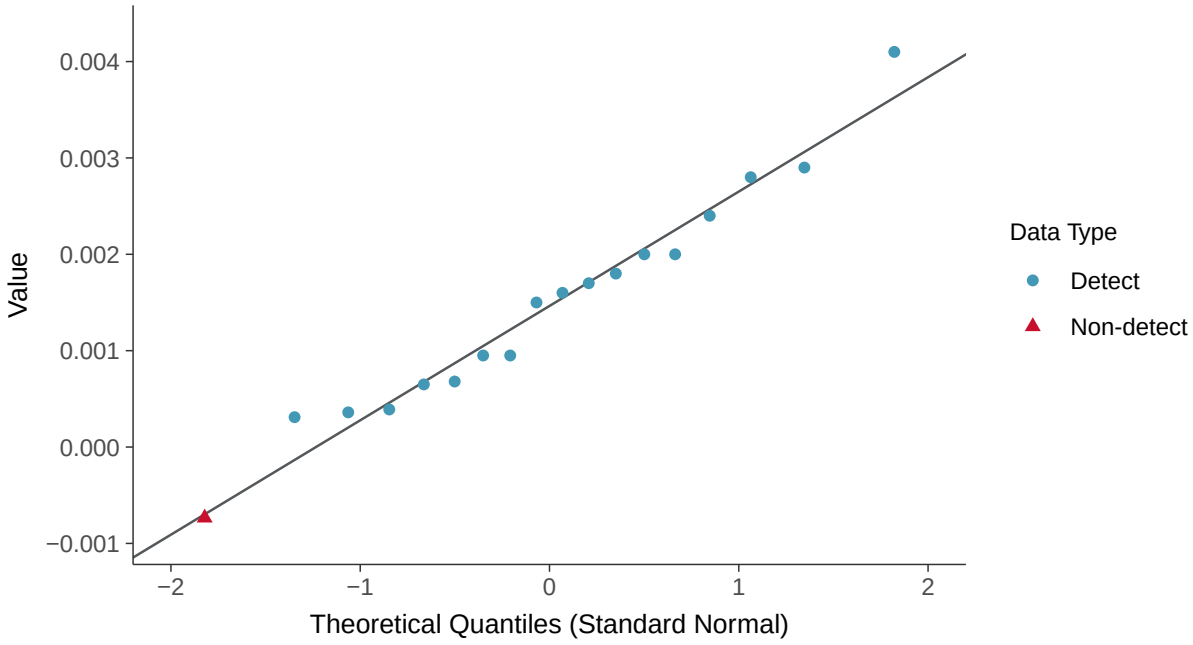
Boxplot by Season

Molybdenum, MW-08 (mg/L)



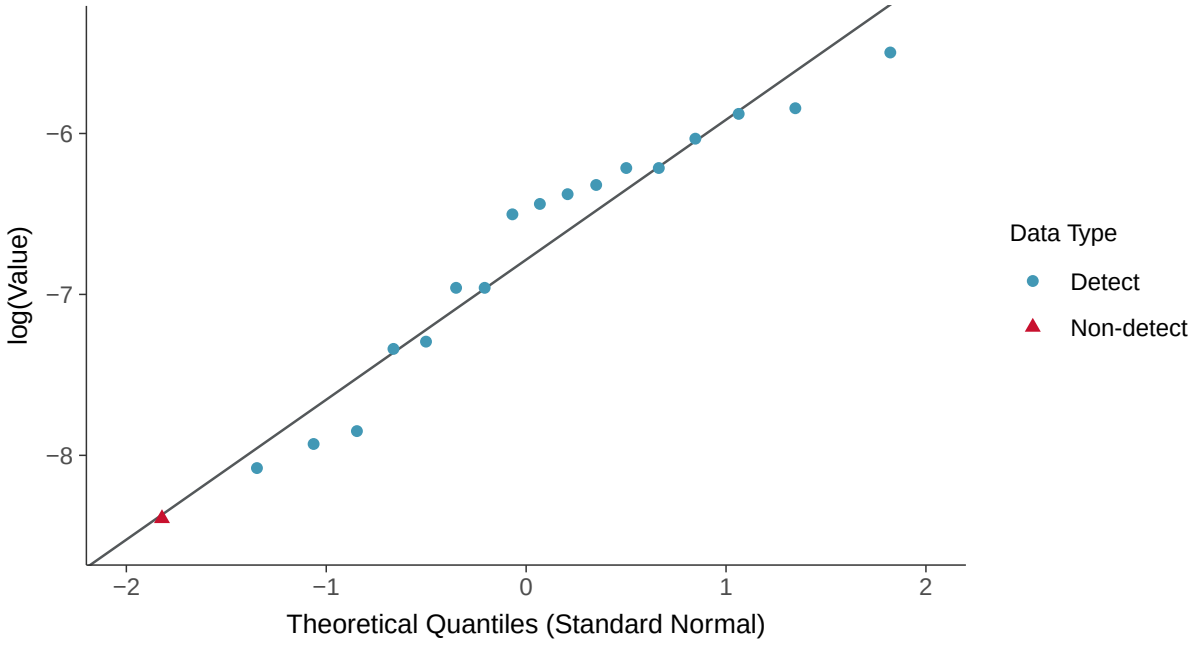
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-08 (mg/L)



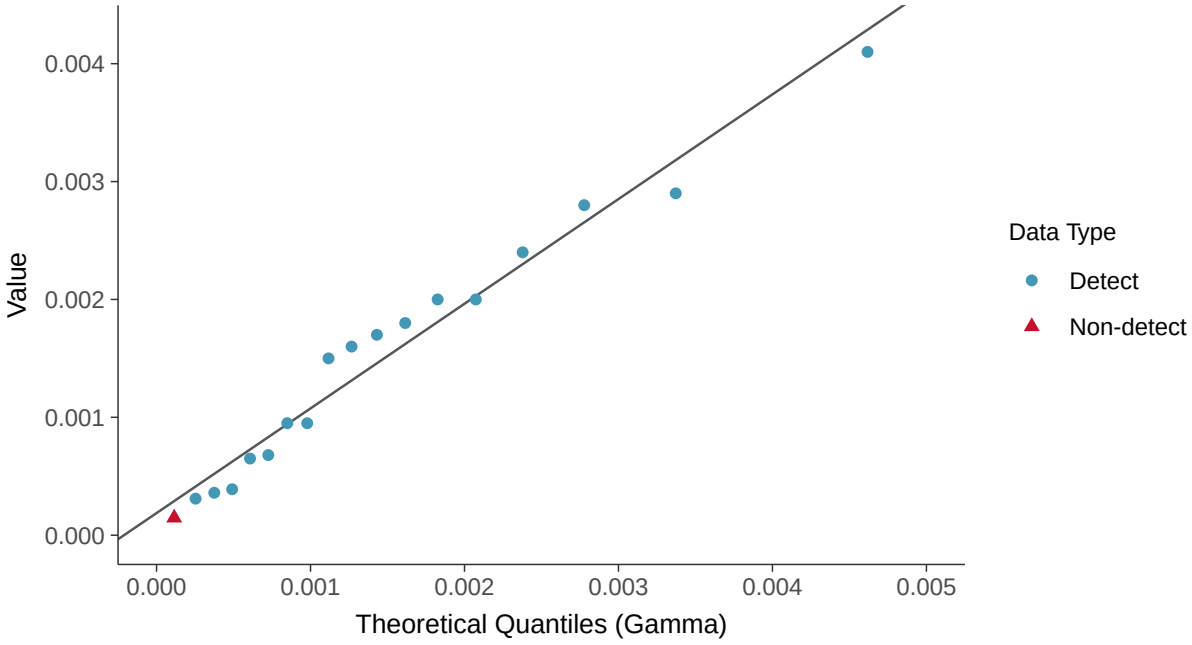
Lognormal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-08 (mg/L)



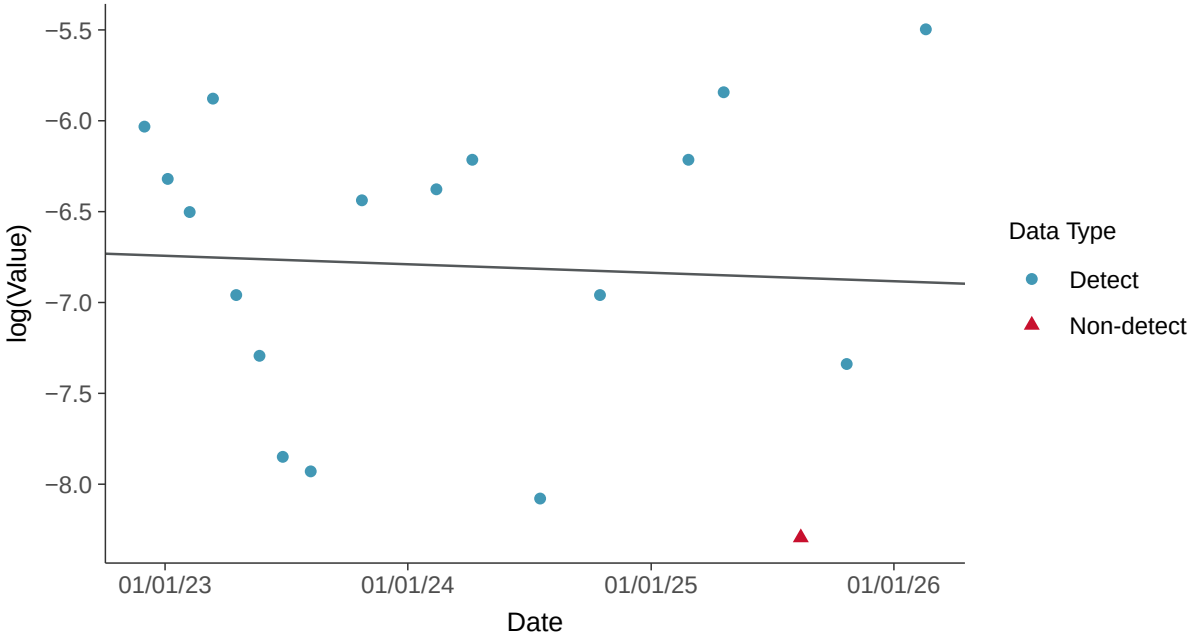
Gamma Q-Q plot using ROS Imputed Estimates

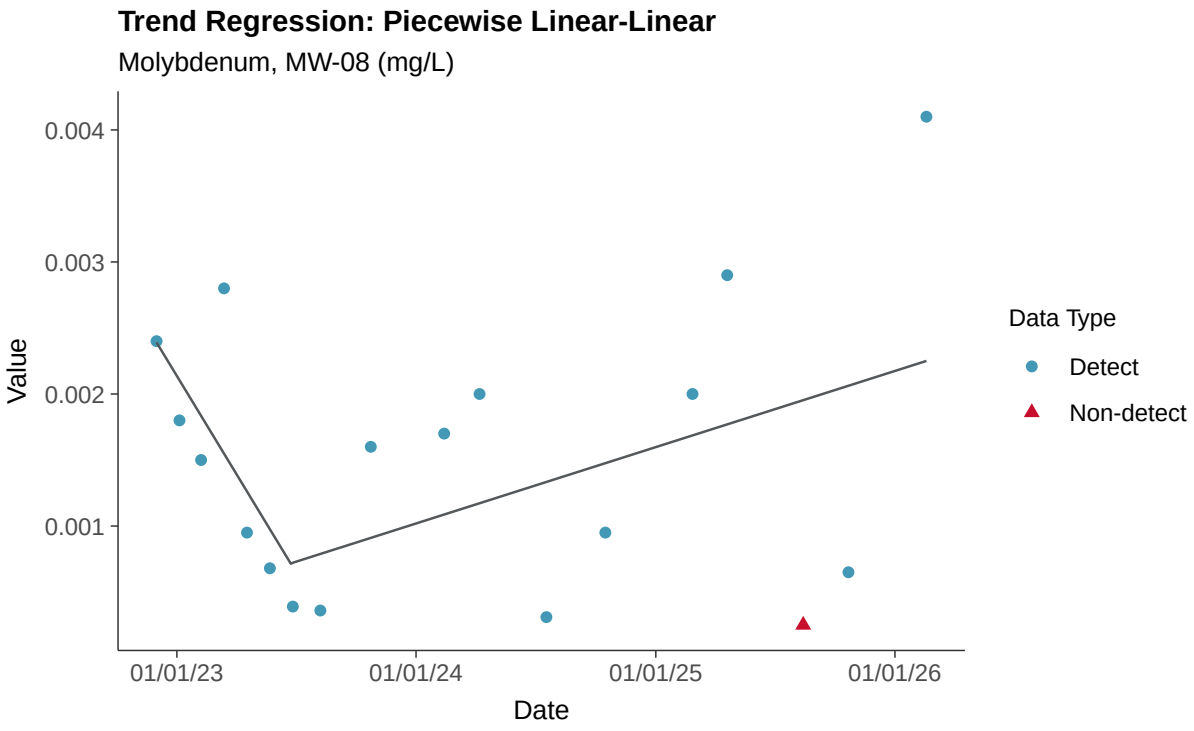
Molybdenum, MW-08 (mg/L)



Trend Regression: Lognormal MLE

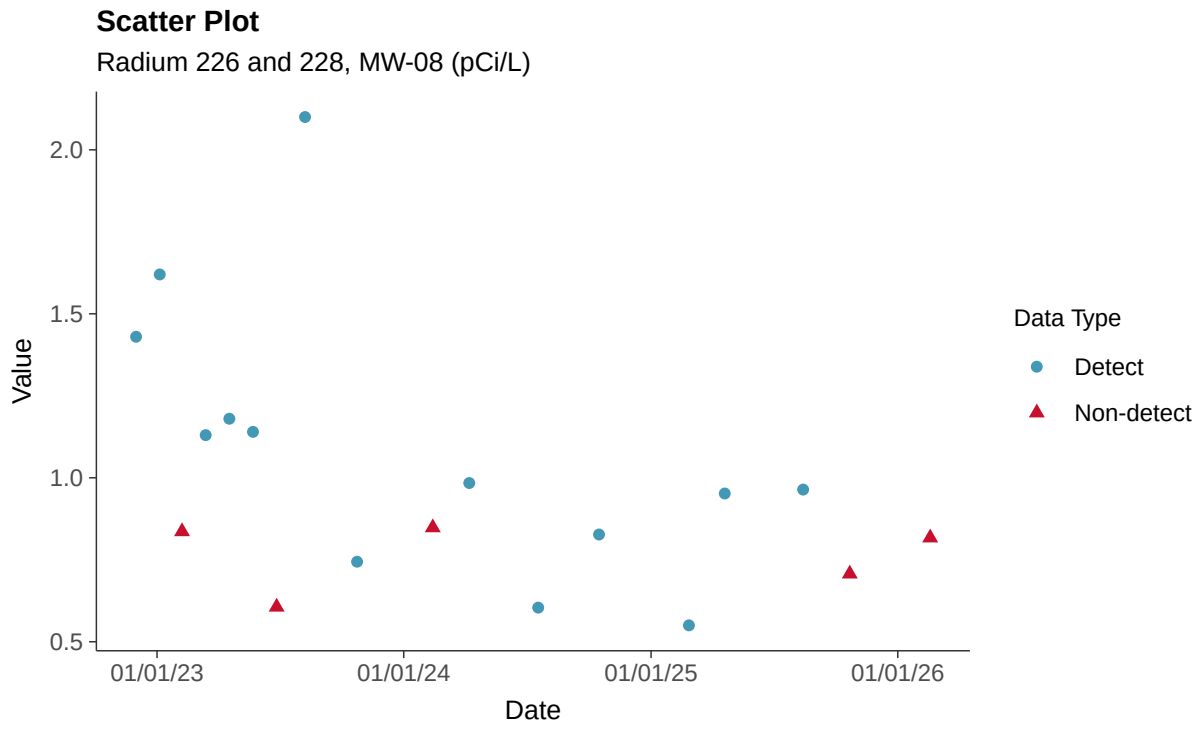
Molybdenum, MW-08 (mg/L)

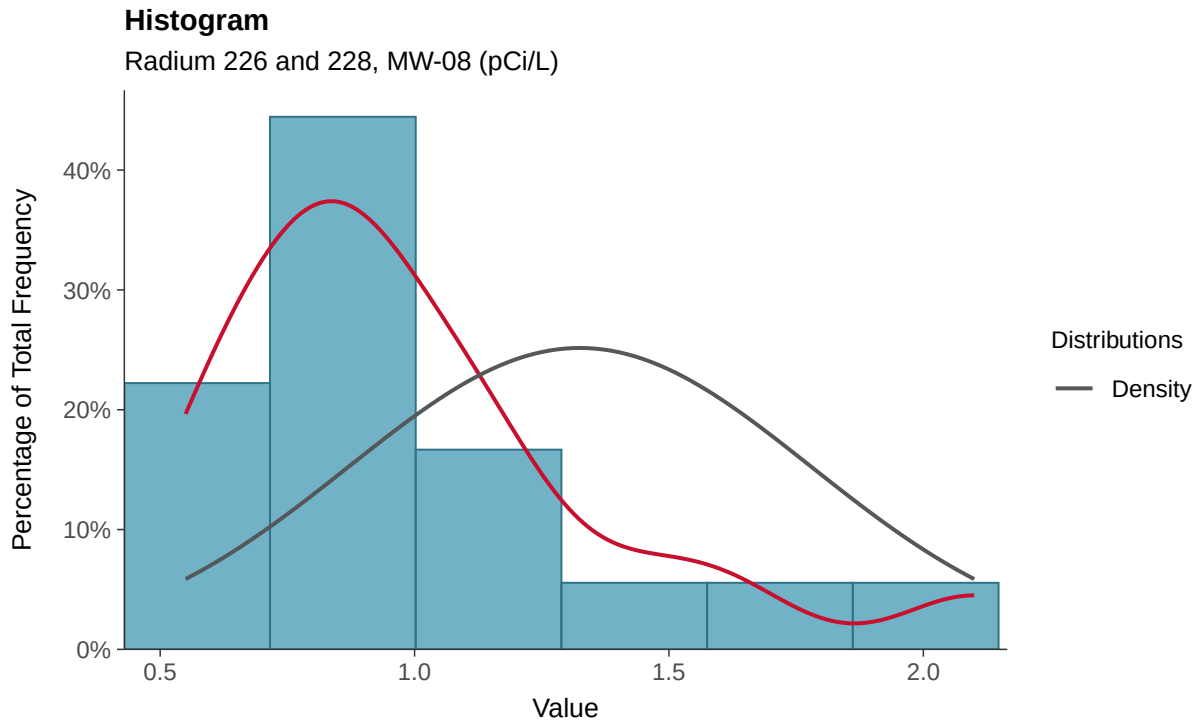



Trend Regression: Piecewise Linear-Linear
Molybdenum, MW-08 (mg/L)
0.004
0.003
0.002
0.001
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Radium 226 and 228, MW-08

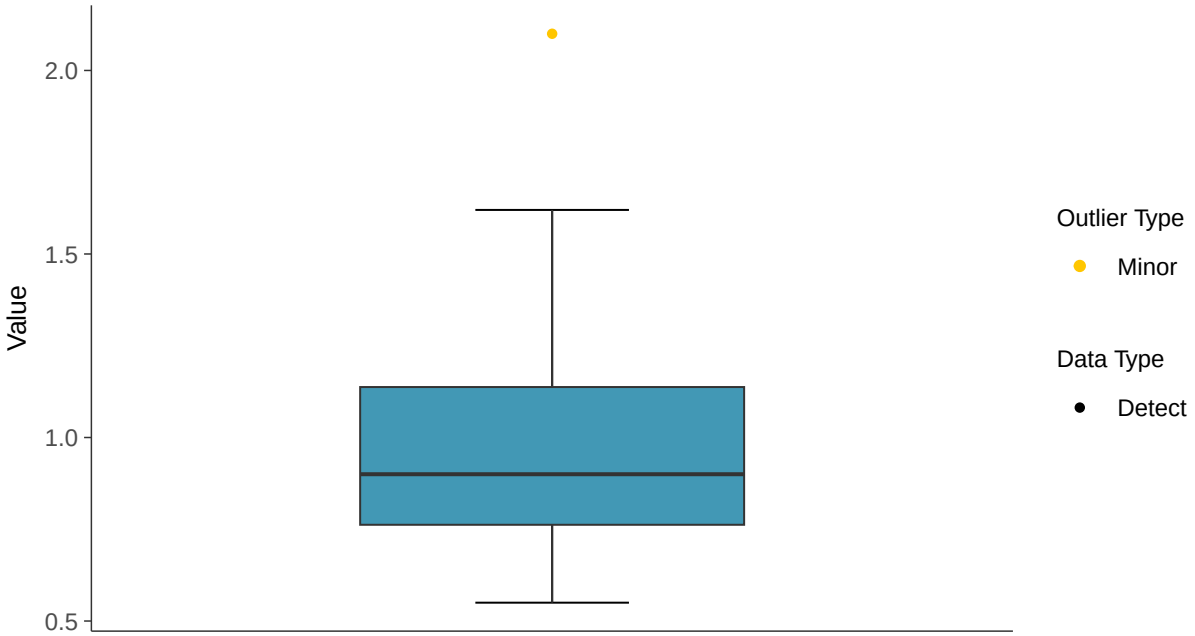
ID: 18_1_4_121





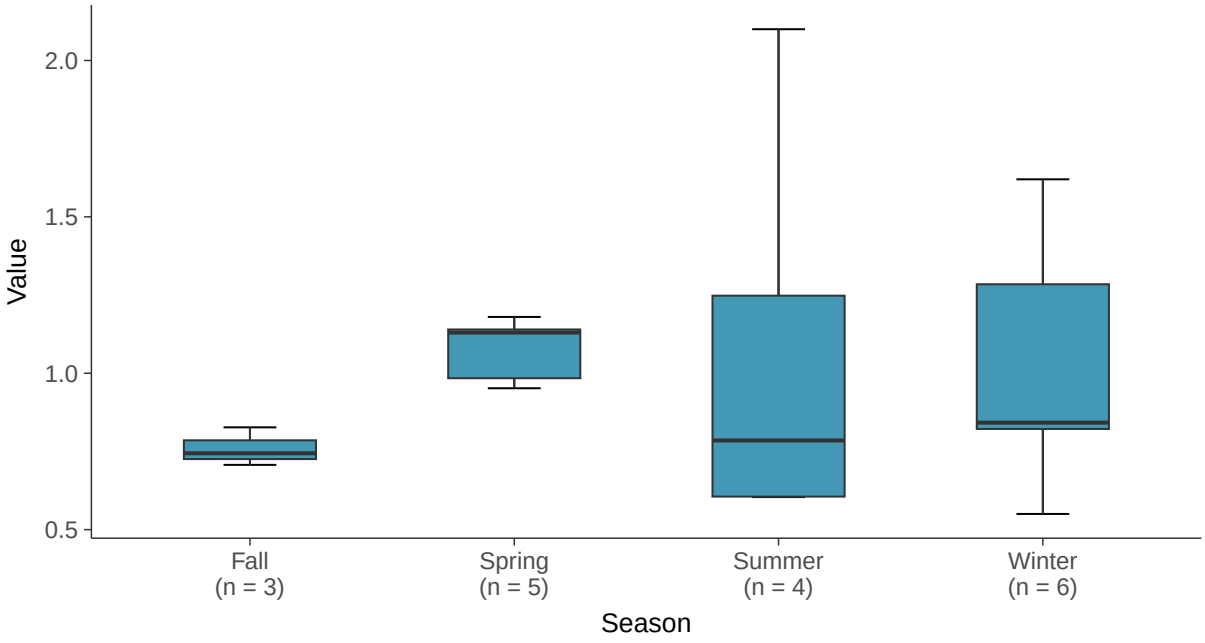
Boxplot

Radium 226 and 228, MW-08 (pCi/L)



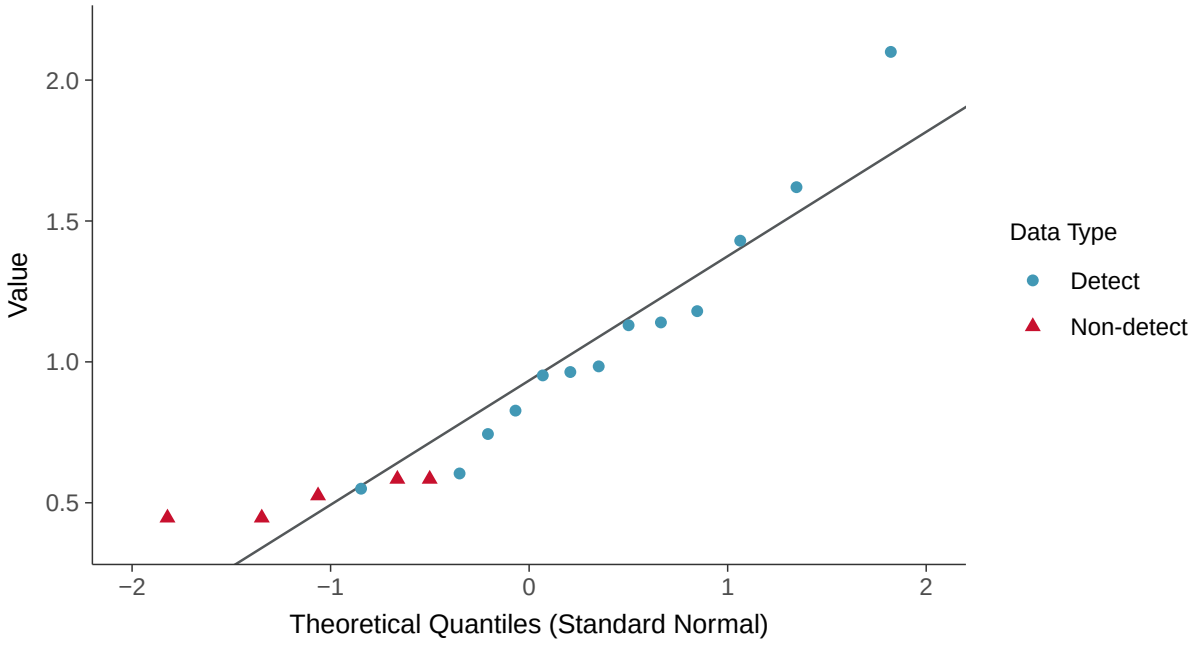
Boxplot by Season

Radium 226 and 228, MW-08 (pCi/L)



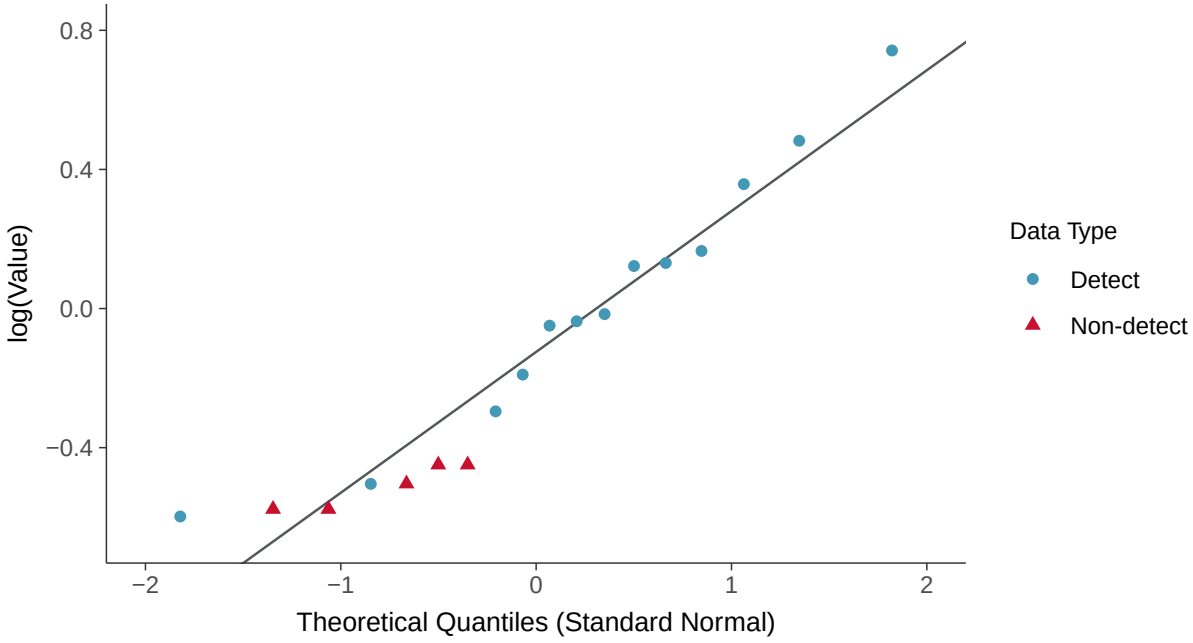
Normal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-08 (pCi/L)



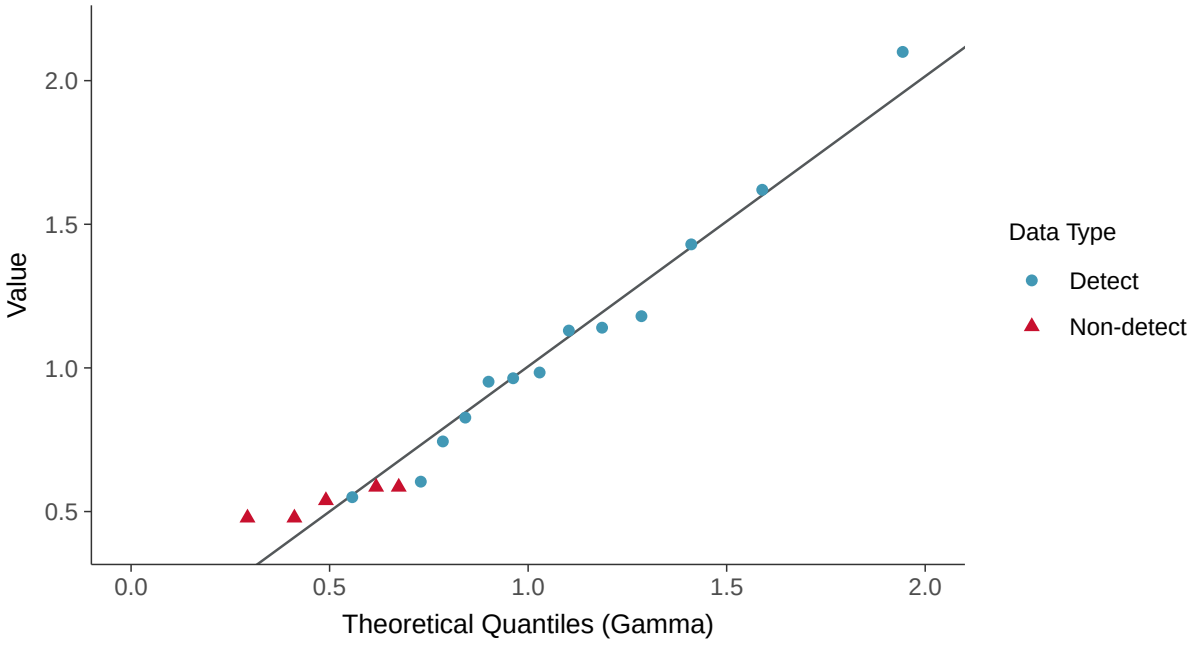
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-08 (pCi/L)



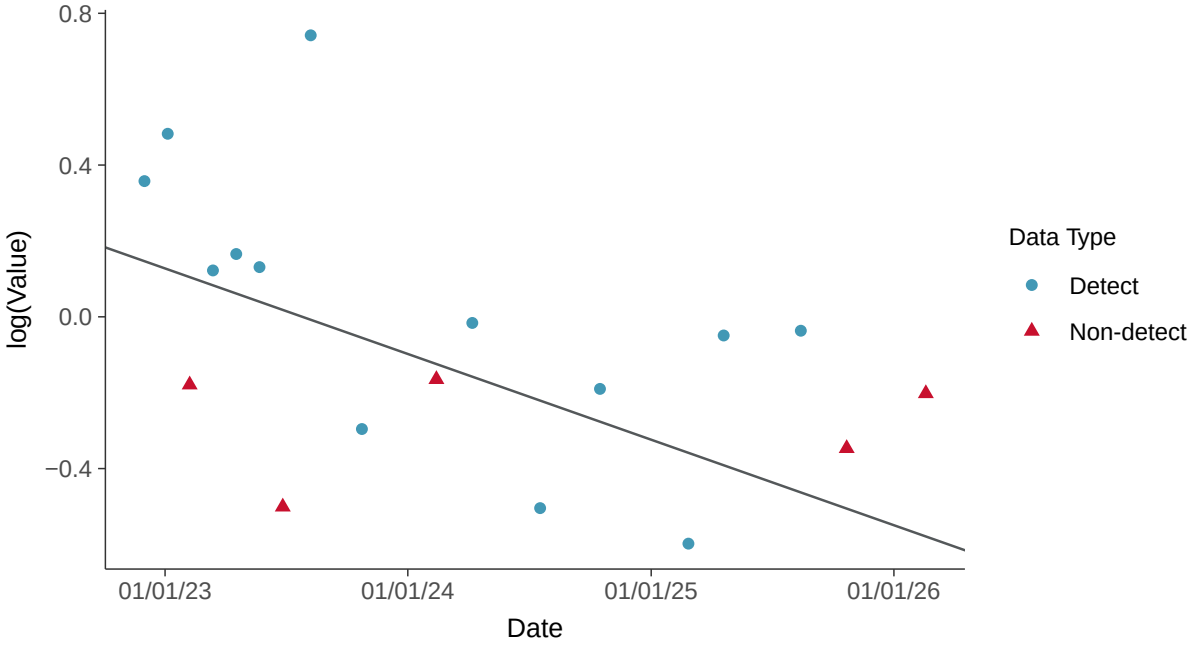
Gamma Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-08 (pCi/L)



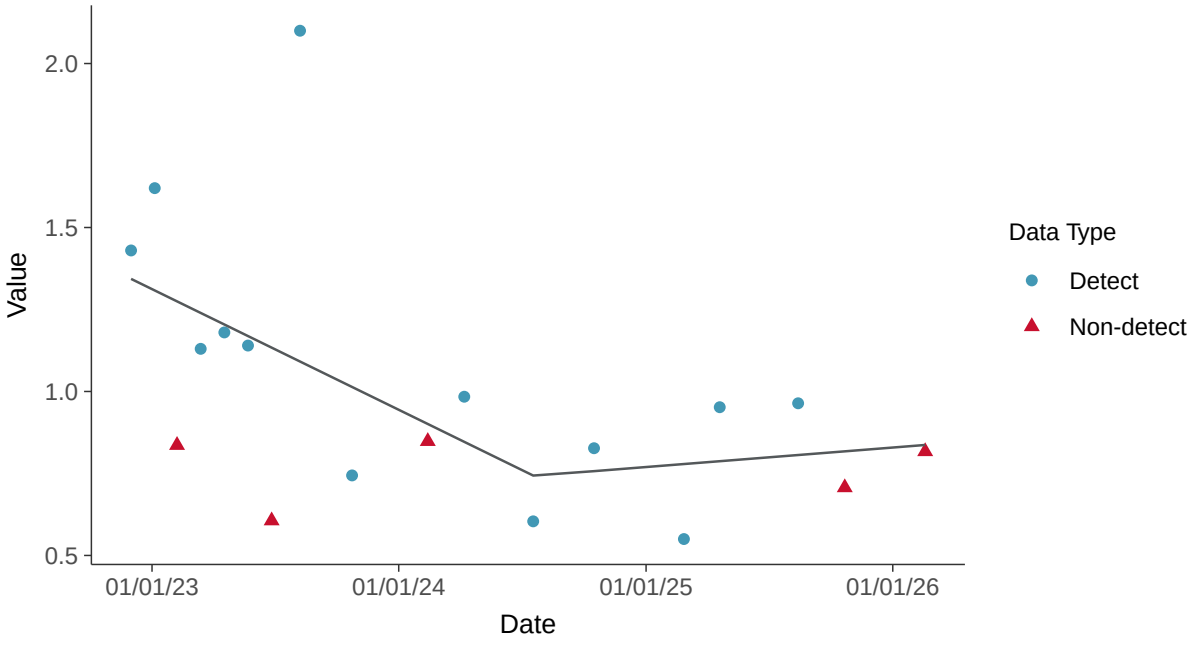
Trend Regression: Lognormal MLE

Radium 226 and 228, MW-08 (pCi/L)



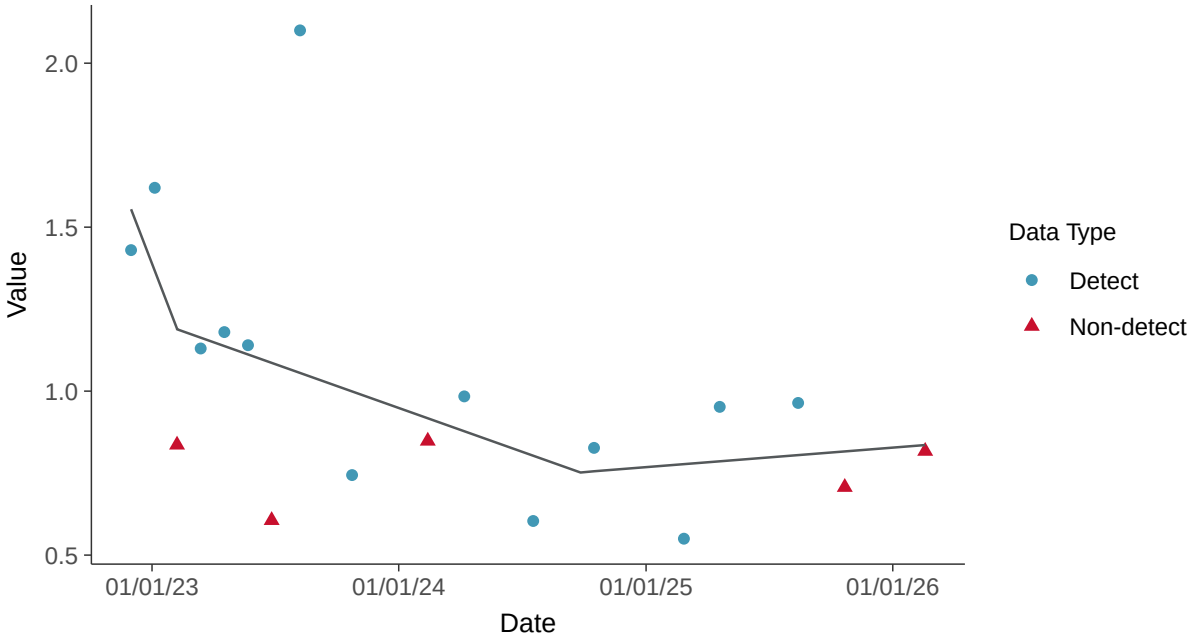
Trend Regression: Piecewise Linear-Linear

Radium 226 and 228, MW-08 (pCi/L)



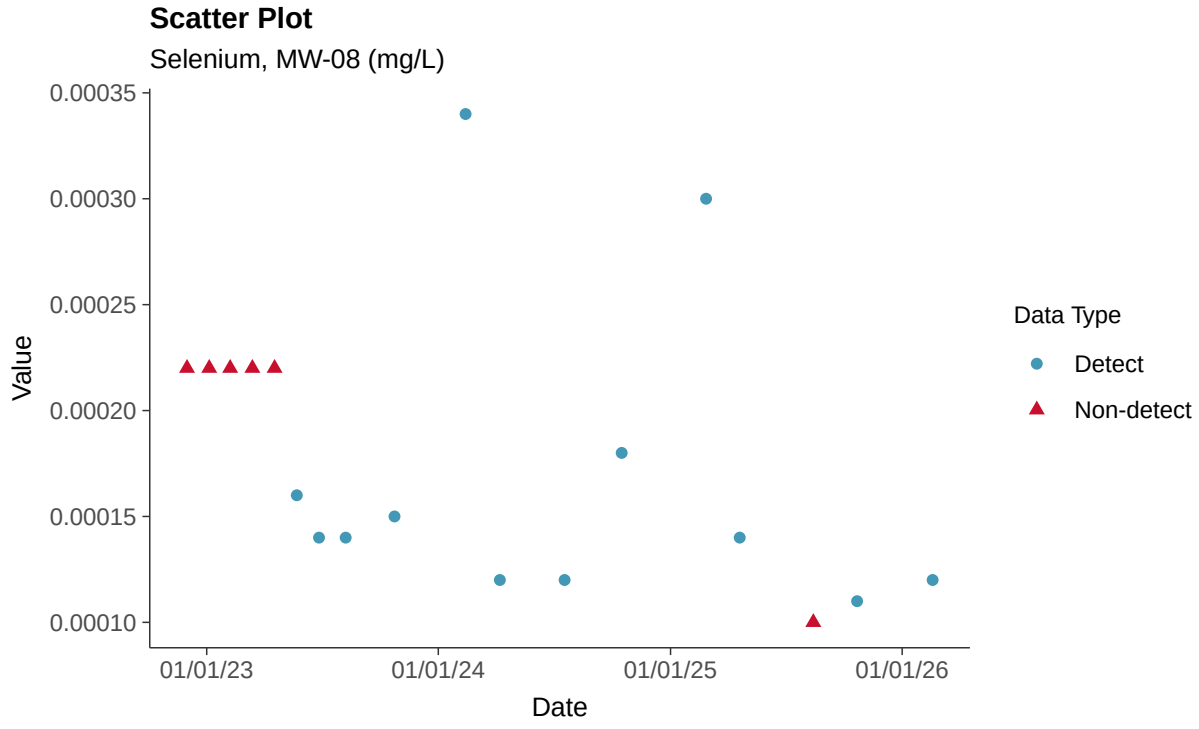
Trend Regression: Piecewise Linear-Linear-Linear

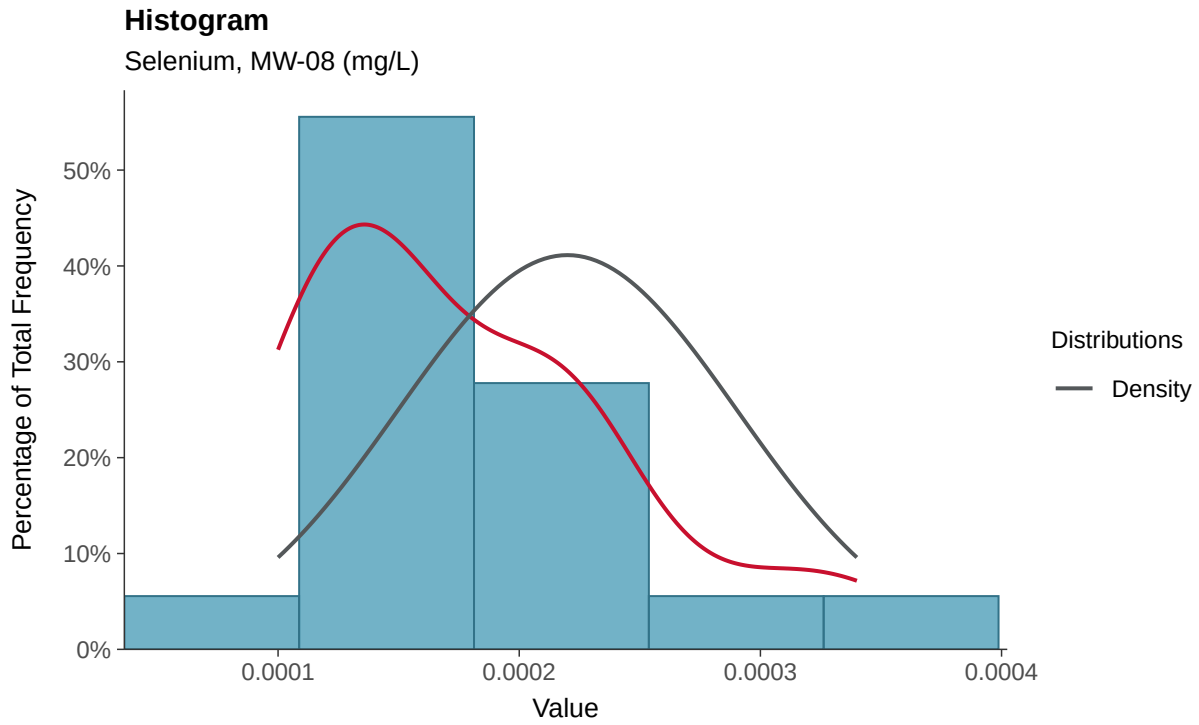
Radium 226 and 228, MW-08 (pCi/L)



Appendix IV: Selenium, MW-08

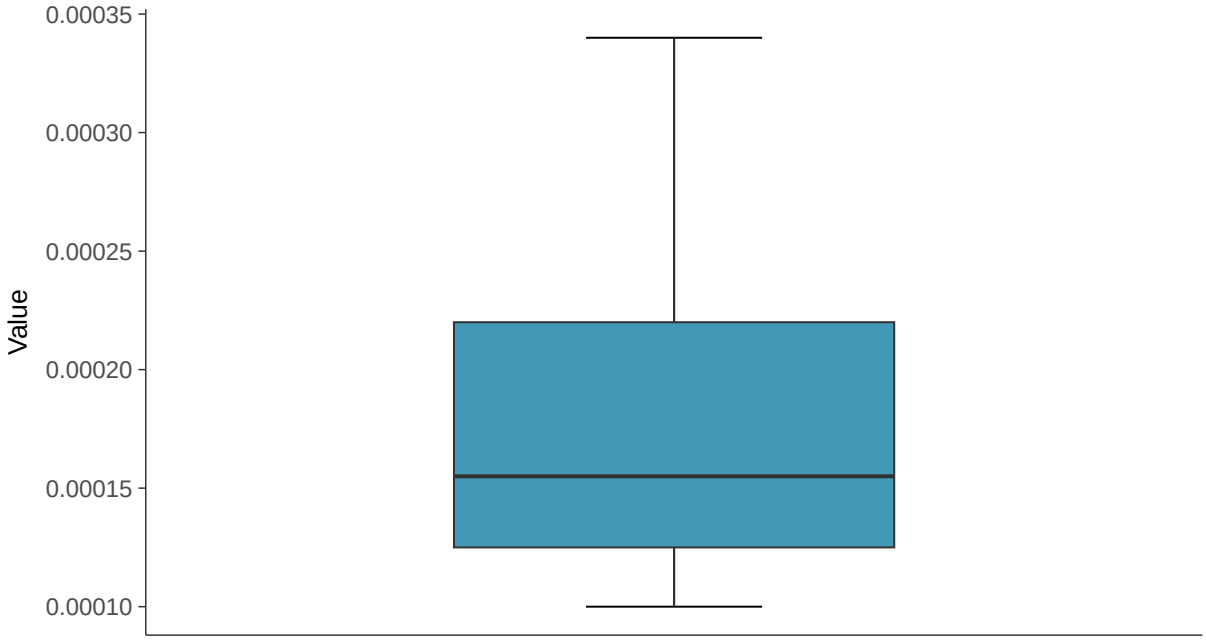
ID: 18_1_4_122





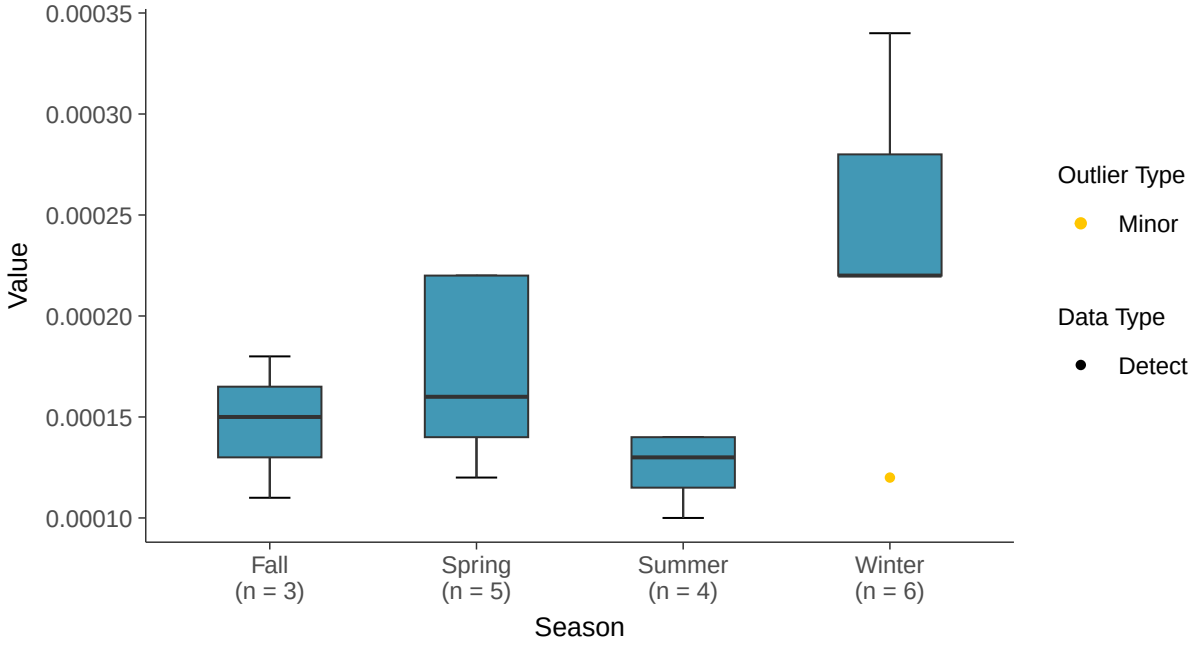
Boxplot

Selenium, MW-08 (mg/L)



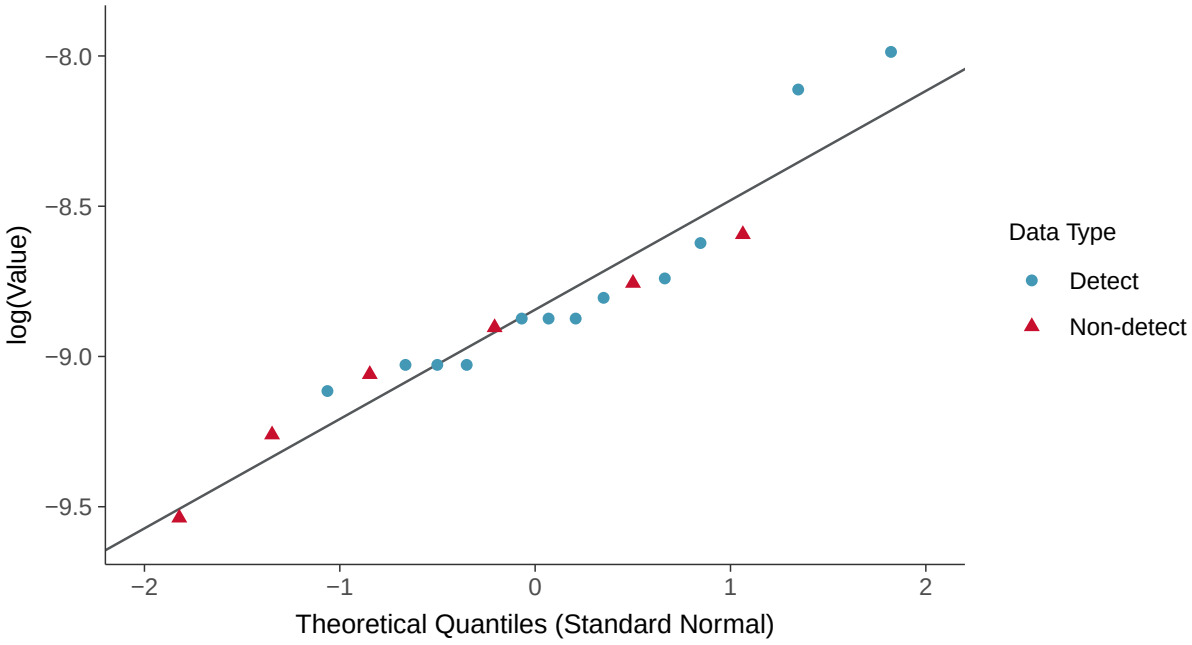
Boxplot by Season

Selenium, MW-08 (mg/L)



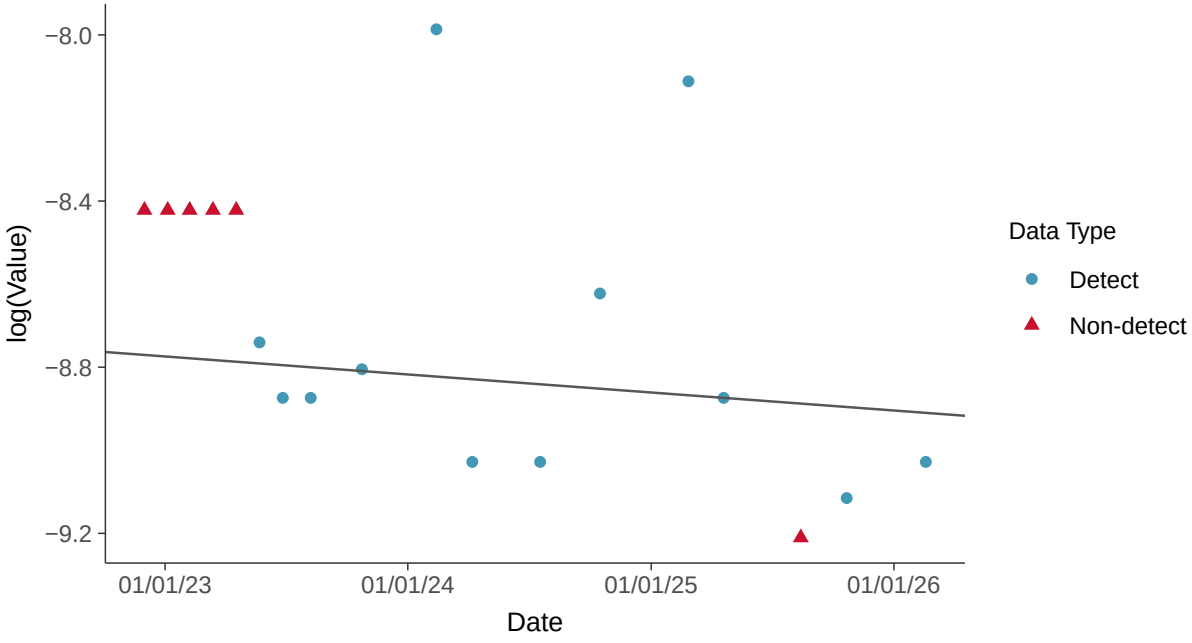
Lognormal Q-Q plot using ROS Imputed Estimates

Selenium, MW-08 (mg/L)



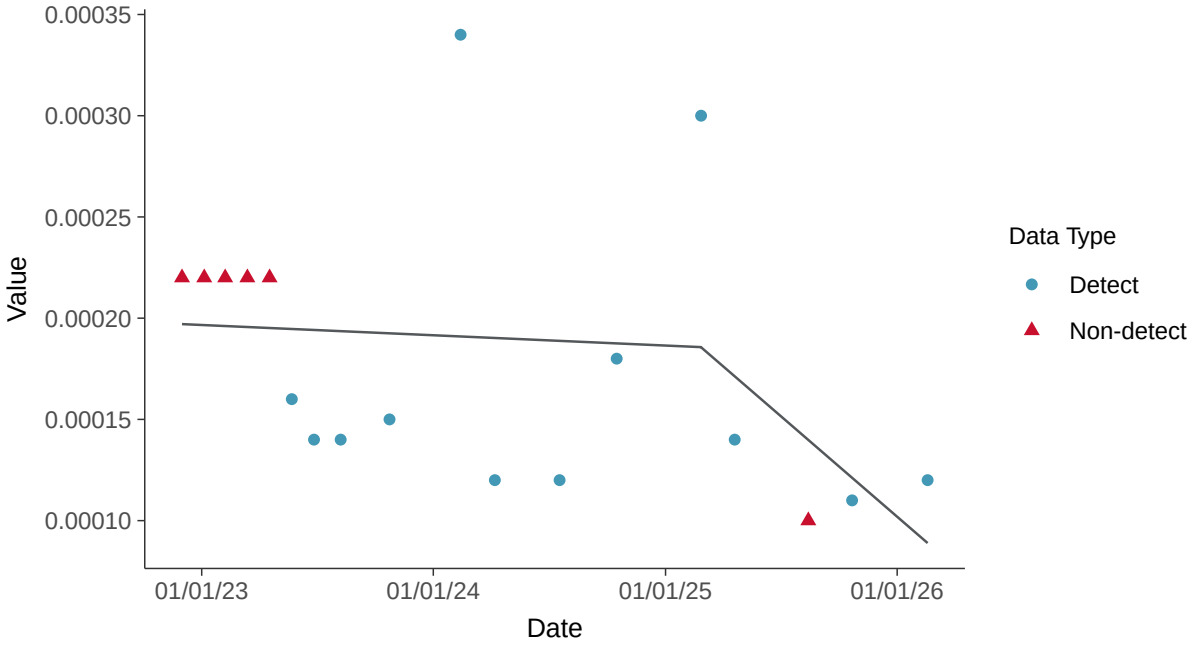
Trend Regression: Lognormal MLE

Selenium, MW-08 (mg/L)



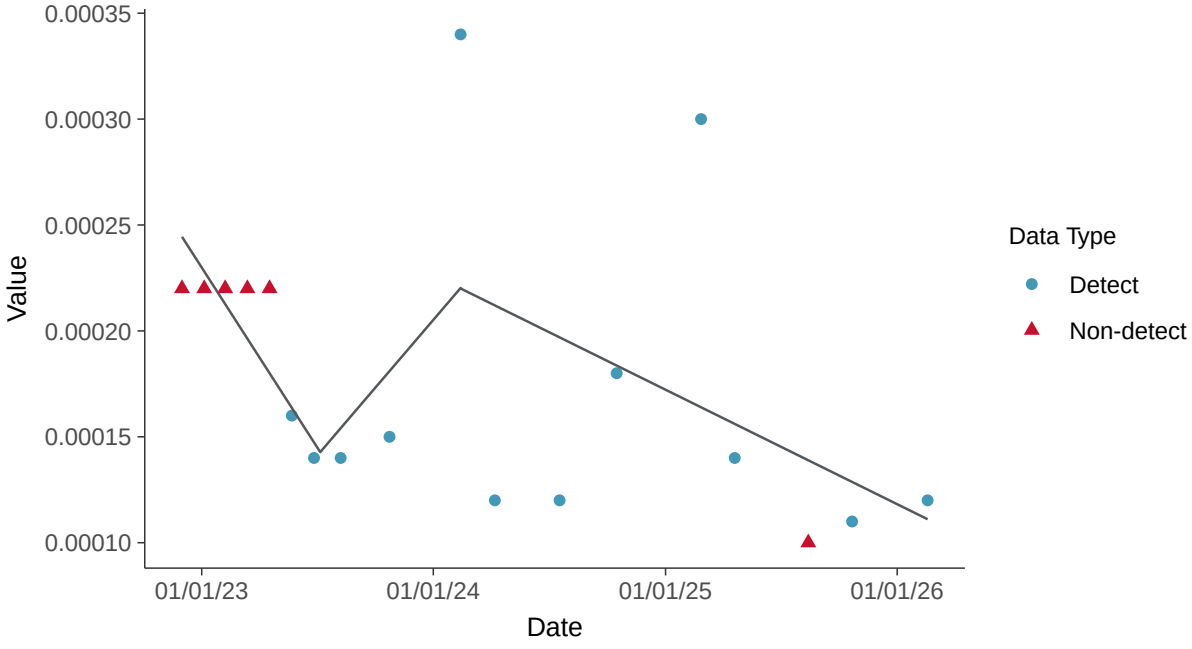
Trend Regression: Piecewise Linear-Linear

Selenium, MW-08 (mg/L)



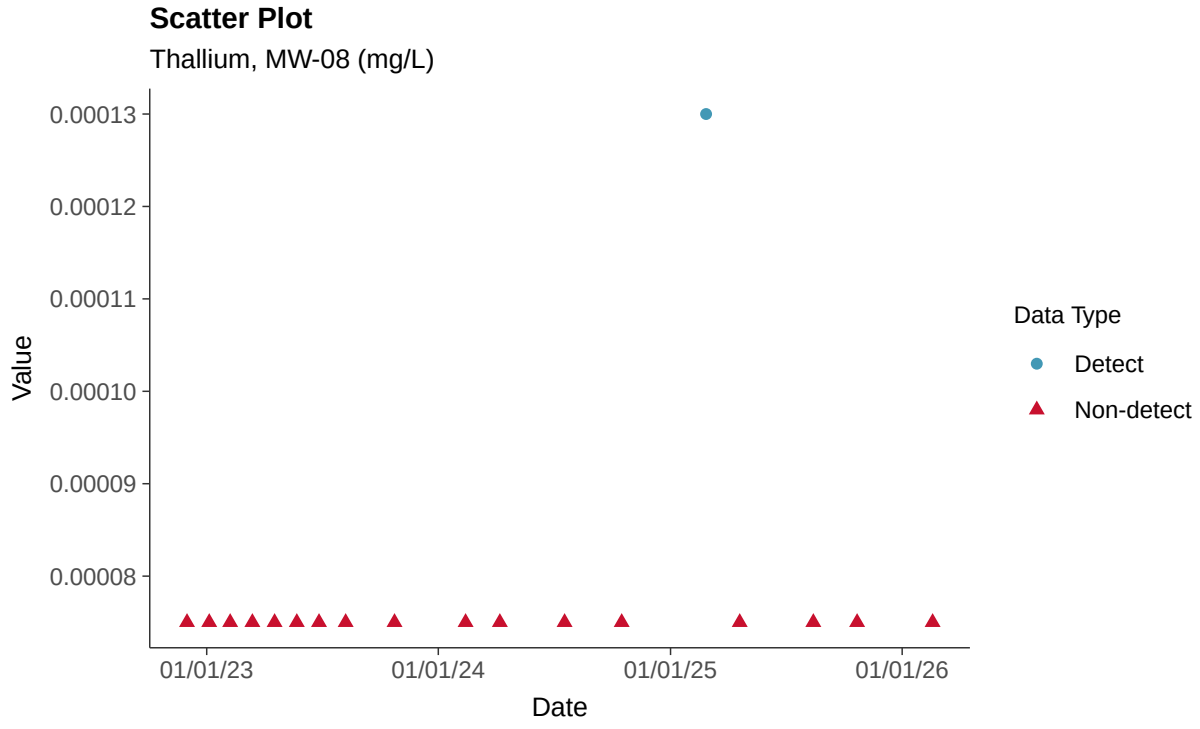
Trend Regression: Piecewise Linear-Linear-Linear

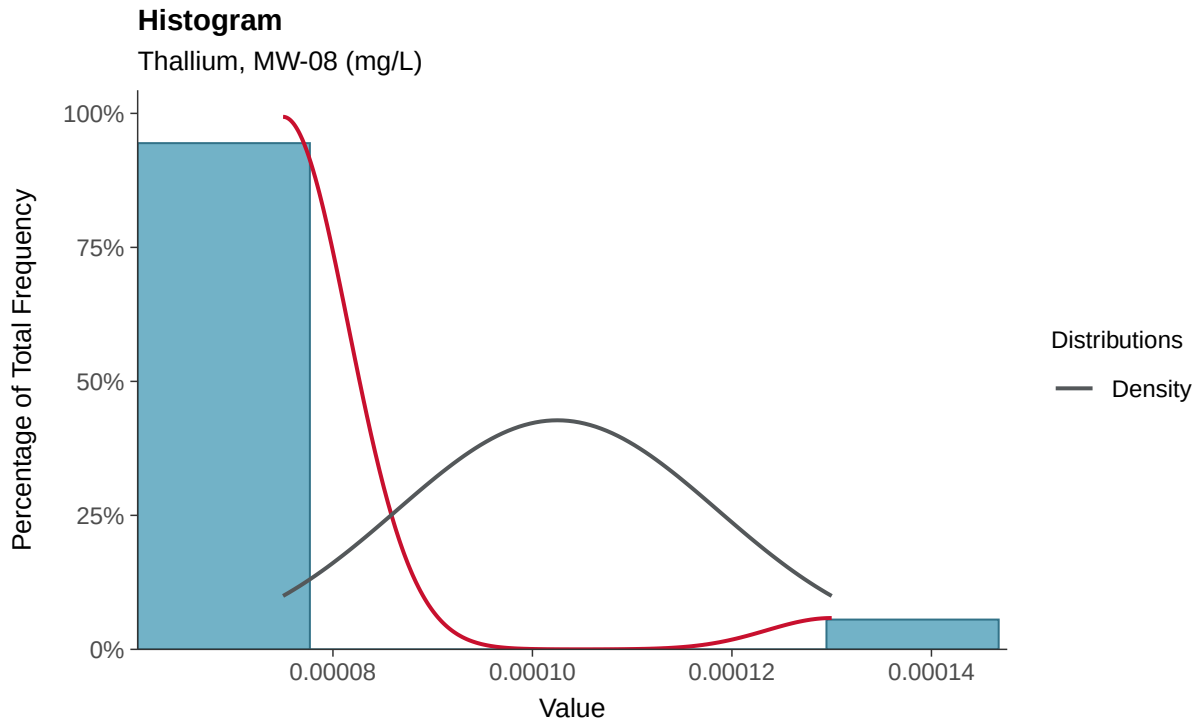
Selenium, MW-08 (mg/L)



Appendix IV: Thallium, MW-08

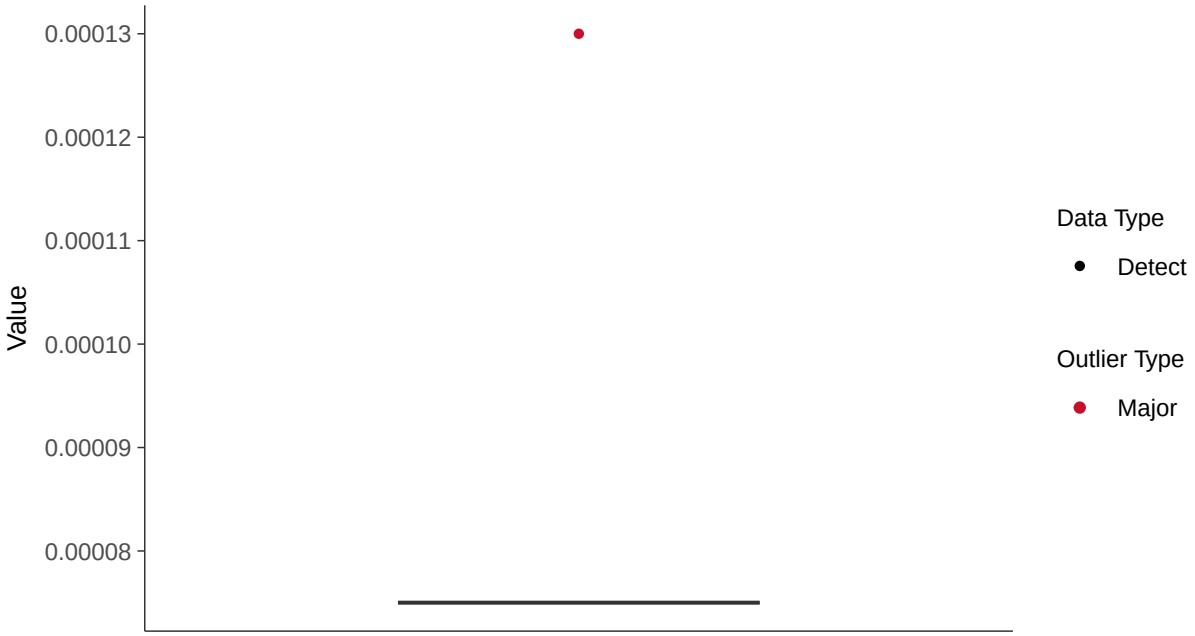
ID: 18_1_4_125





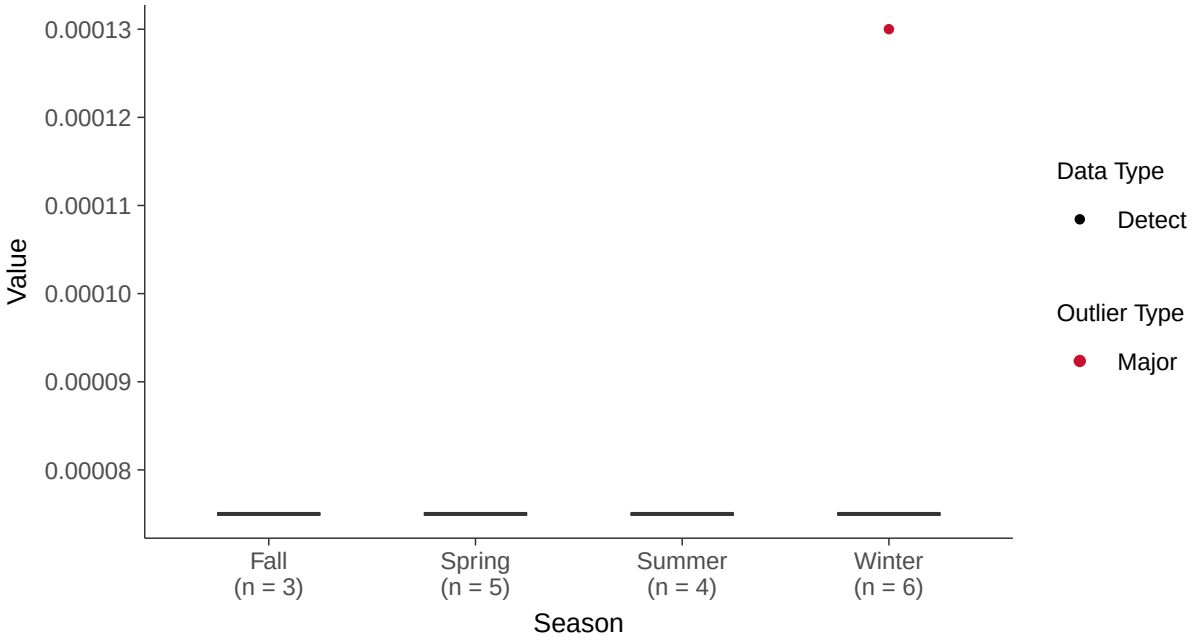
Boxplot

Thallium, MW-08 (mg/L)



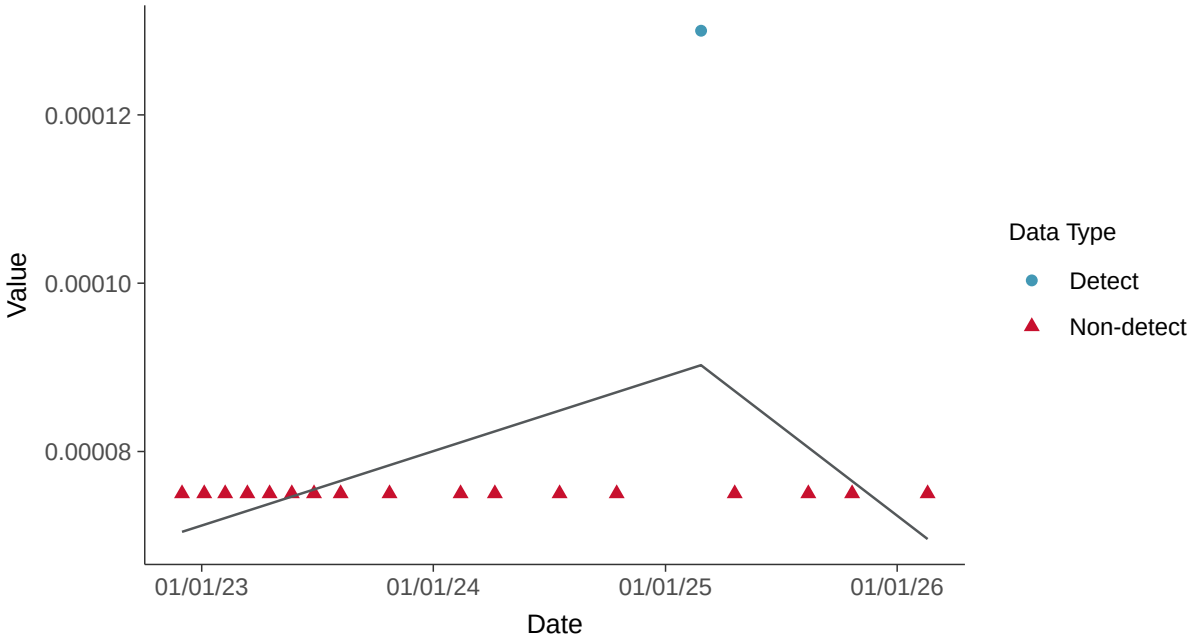
Boxplot by Season

Thallium, MW-08 (mg/L)



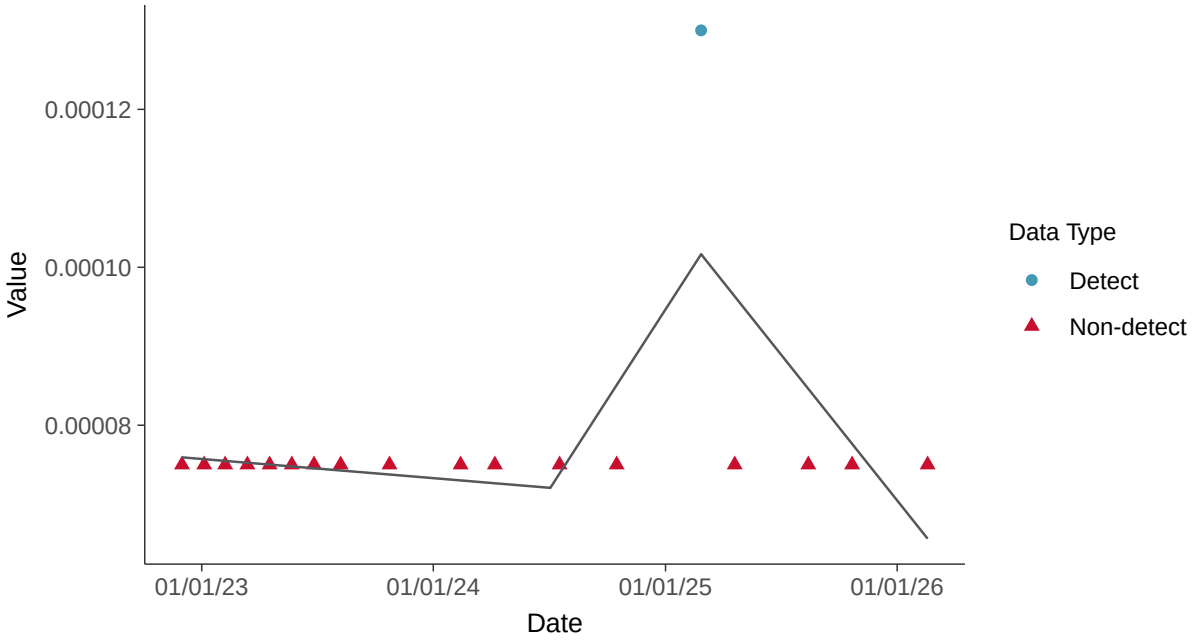
Trend Regression: Piecewise Linear-Linear

Thallium, MW-08 (mg/L)



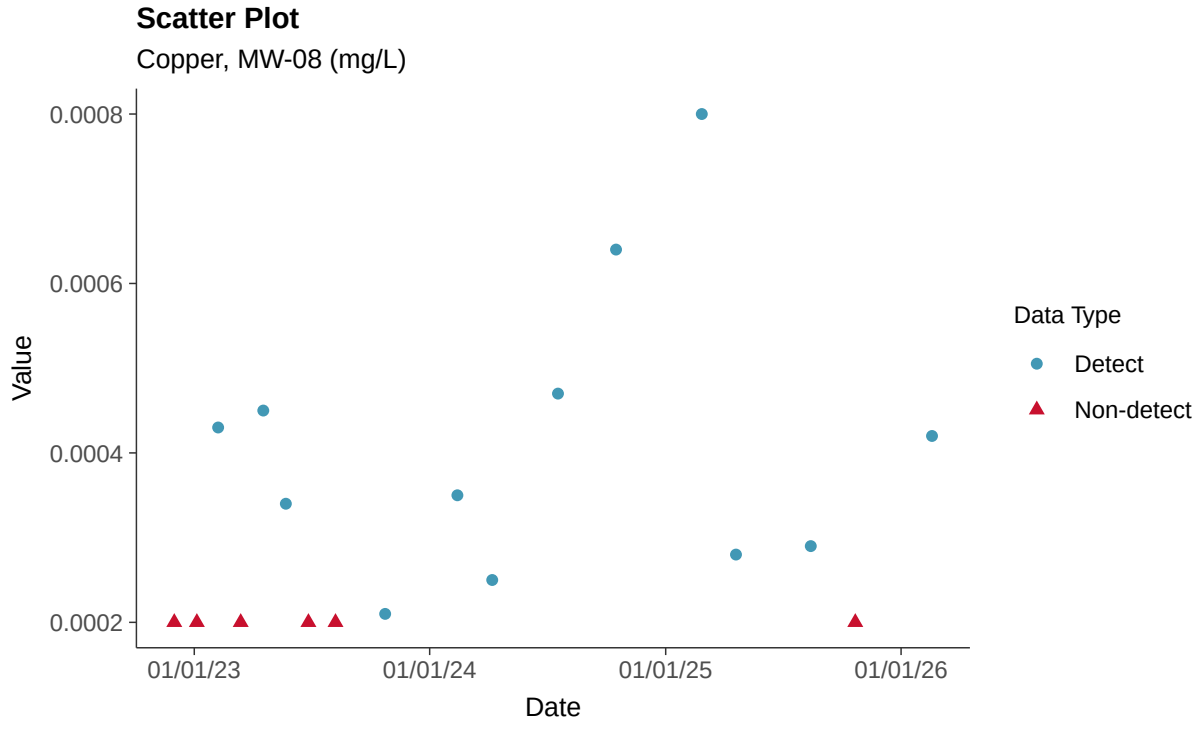
Trend Regression: Piecewise Linear-Linear-Linear

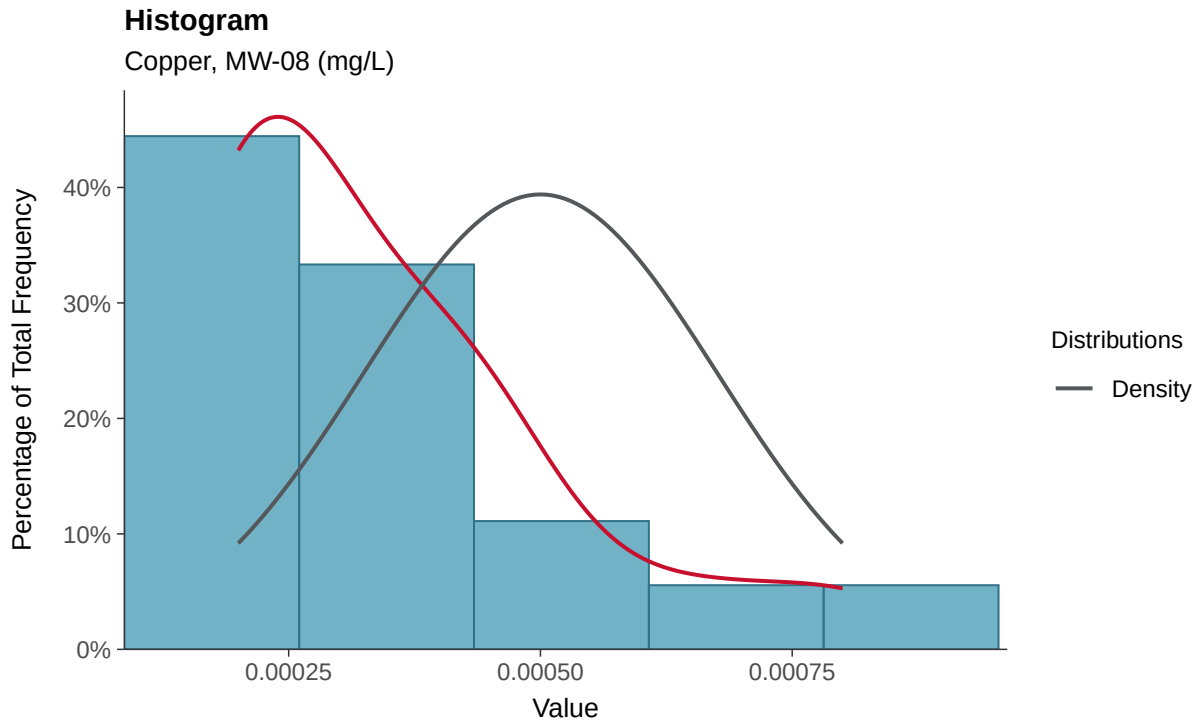
Thallium, MW-08 (mg/L)



Part 115: Copper, MW-08

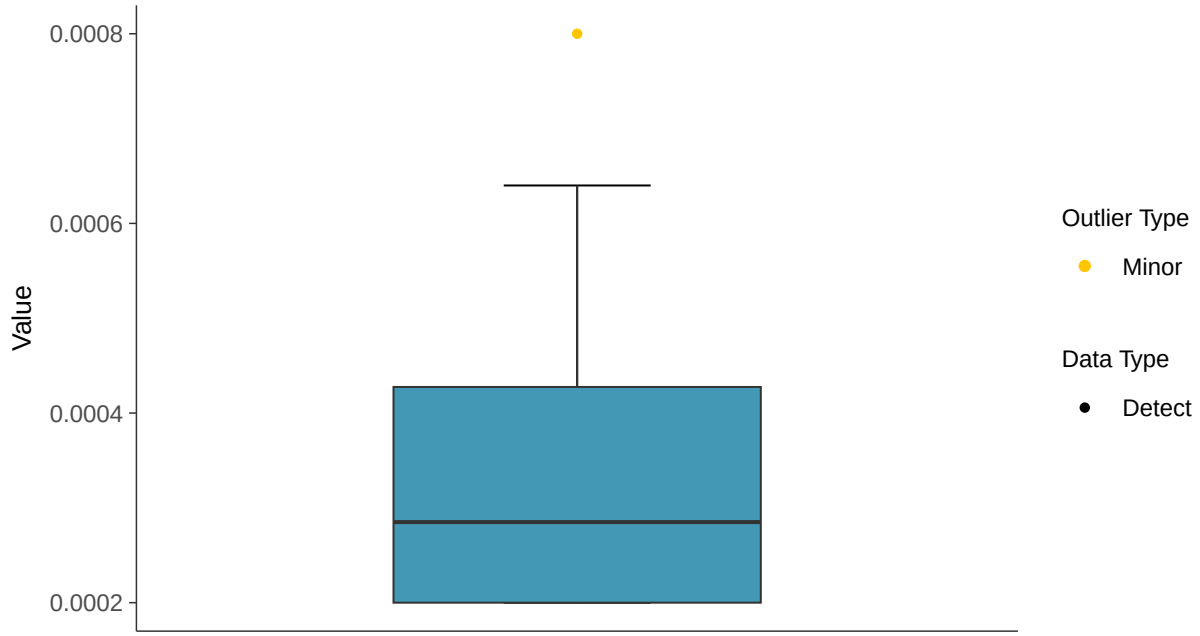
ID: 18_1_5_111





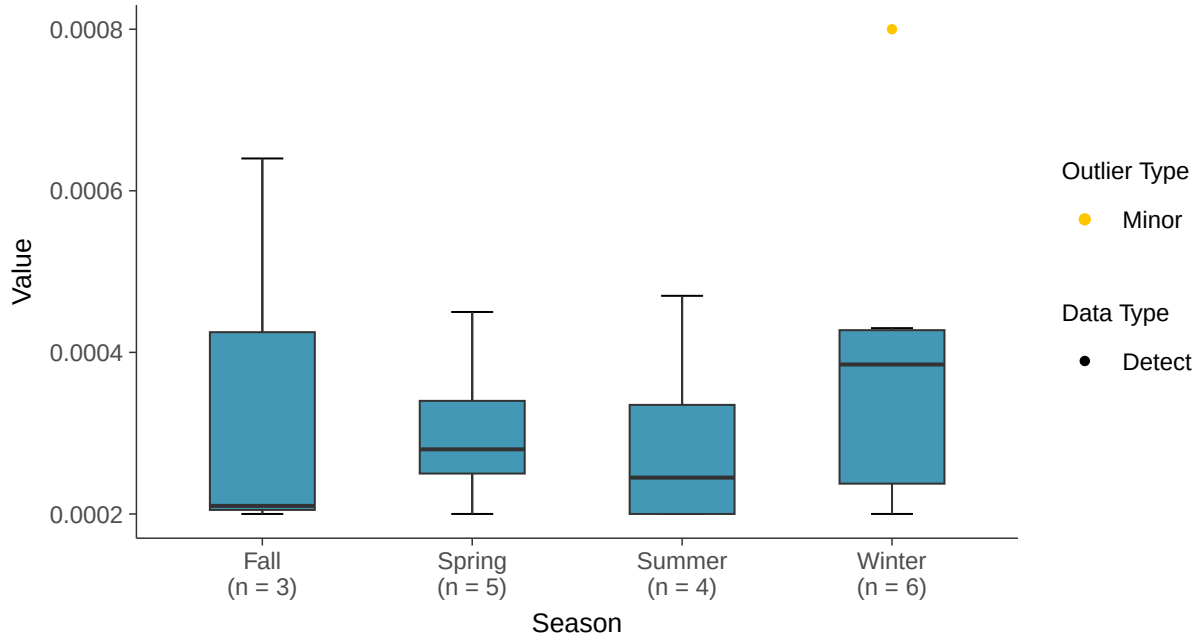
Boxplot

Copper, MW-08 (mg/L)



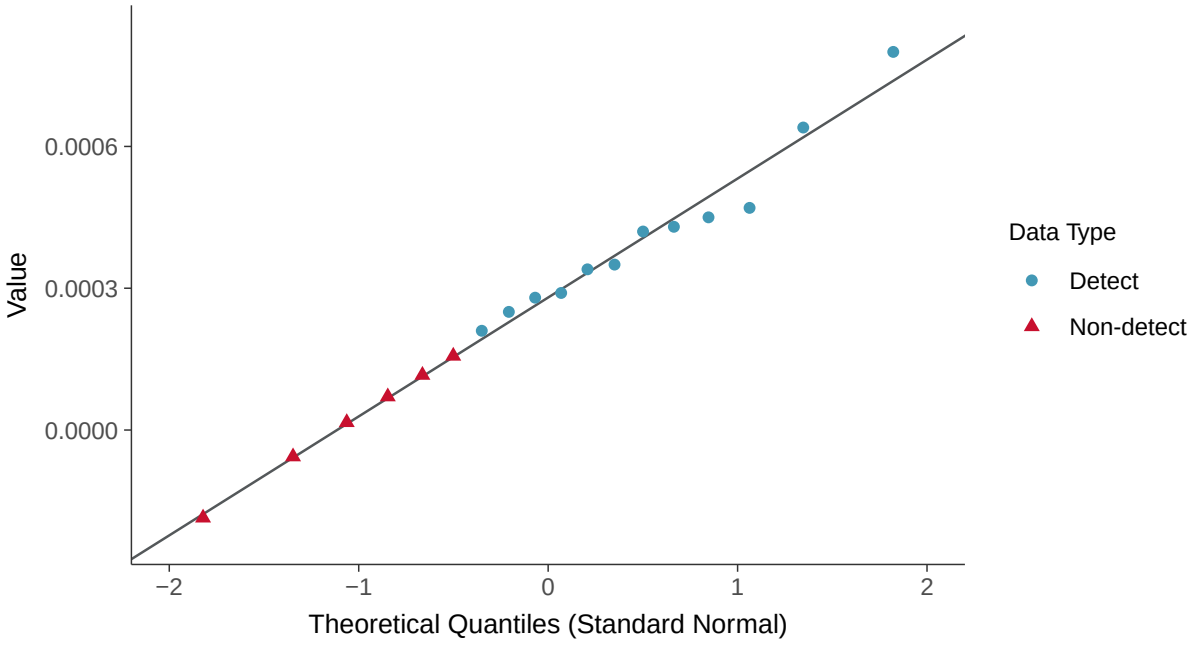
Boxplot by Season

Copper, MW-08 (mg/L)



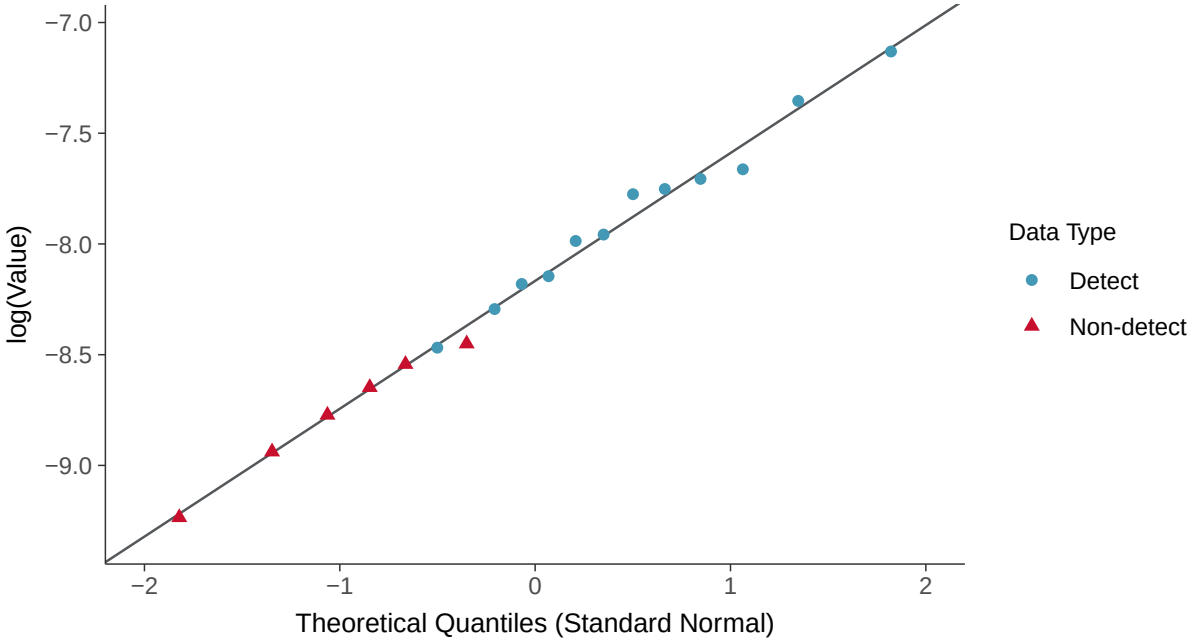
Normal Q-Q plot using ROS Imputed Estimates

Copper, MW-08 (mg/L)



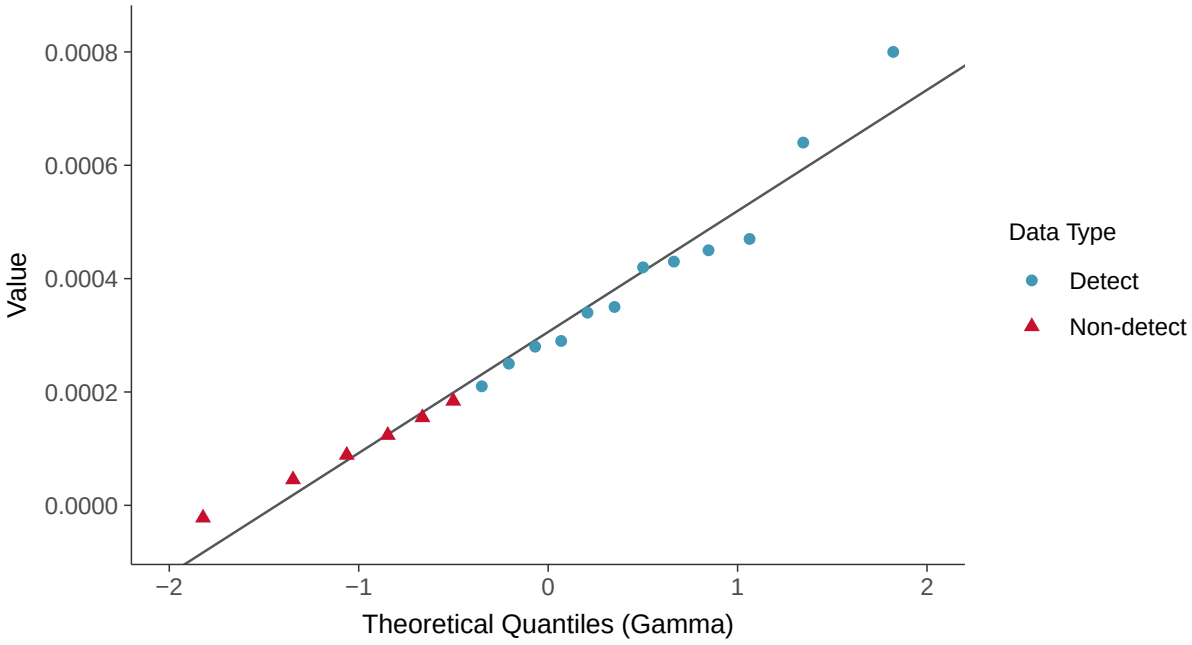
Lognormal Q-Q plot using ROS Imputed Estimates

Copper, MW-08 (mg/L)



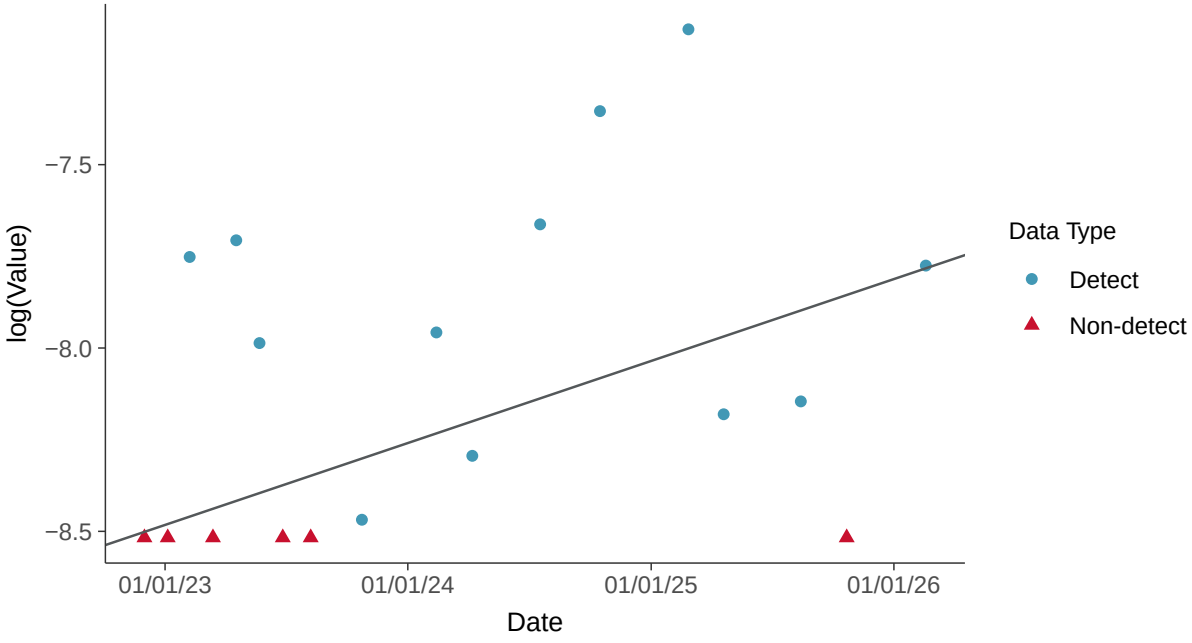
Gamma Q-Q plot using ROS Imputed Estimates

Copper, MW-08 (mg/L)



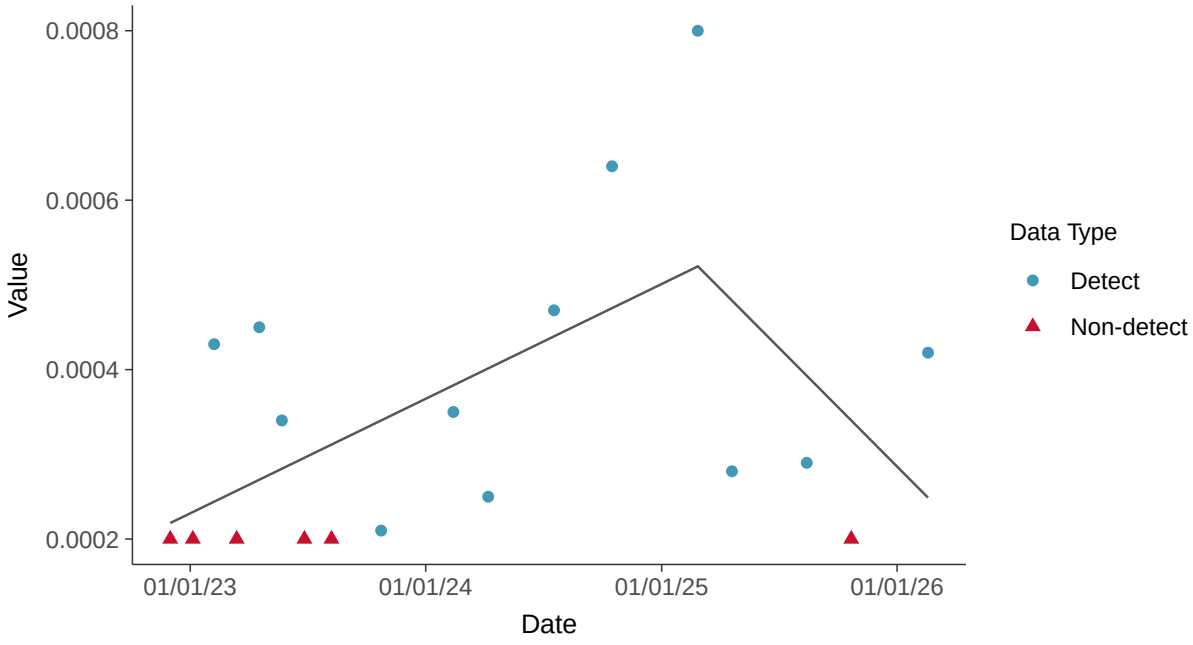
Trend Regression: Lognormal MLE

Copper, MW-08 (mg/L)



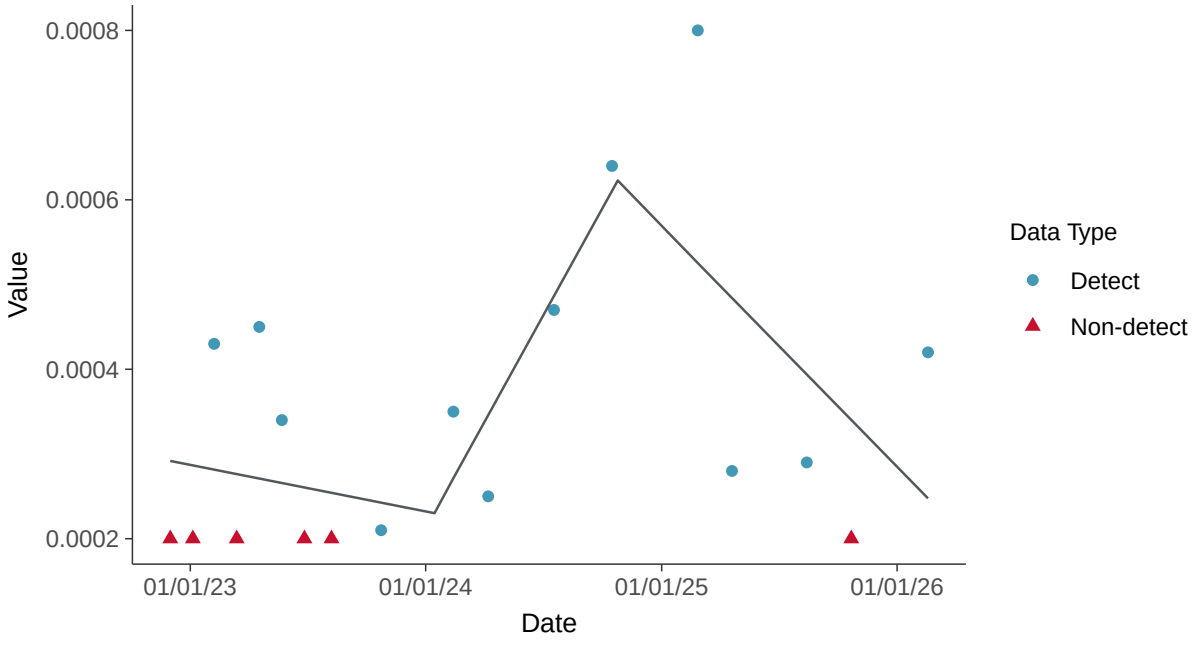
Trend Regression: Piecewise Linear-Linear

Copper, MW-08 (mg/L)



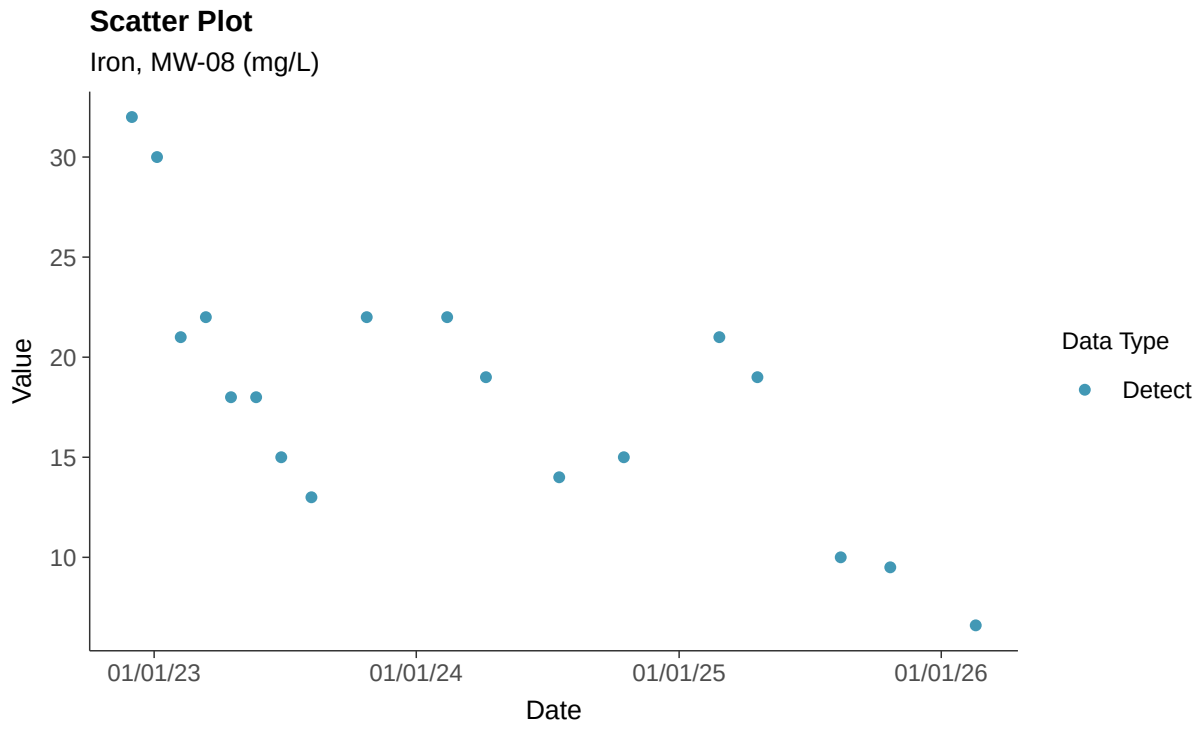
Trend Regression: Piecewise Linear-Linear-Linear

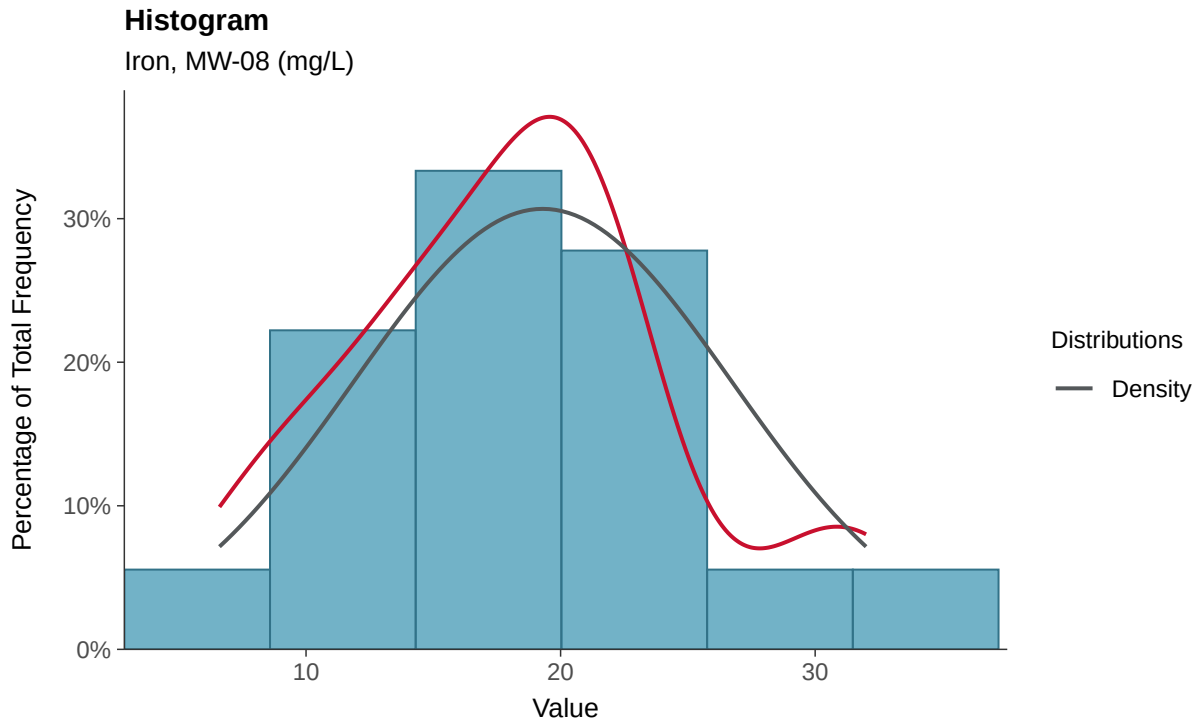
Copper, MW-08 (mg/L)



Part 115: Iron, MW-08

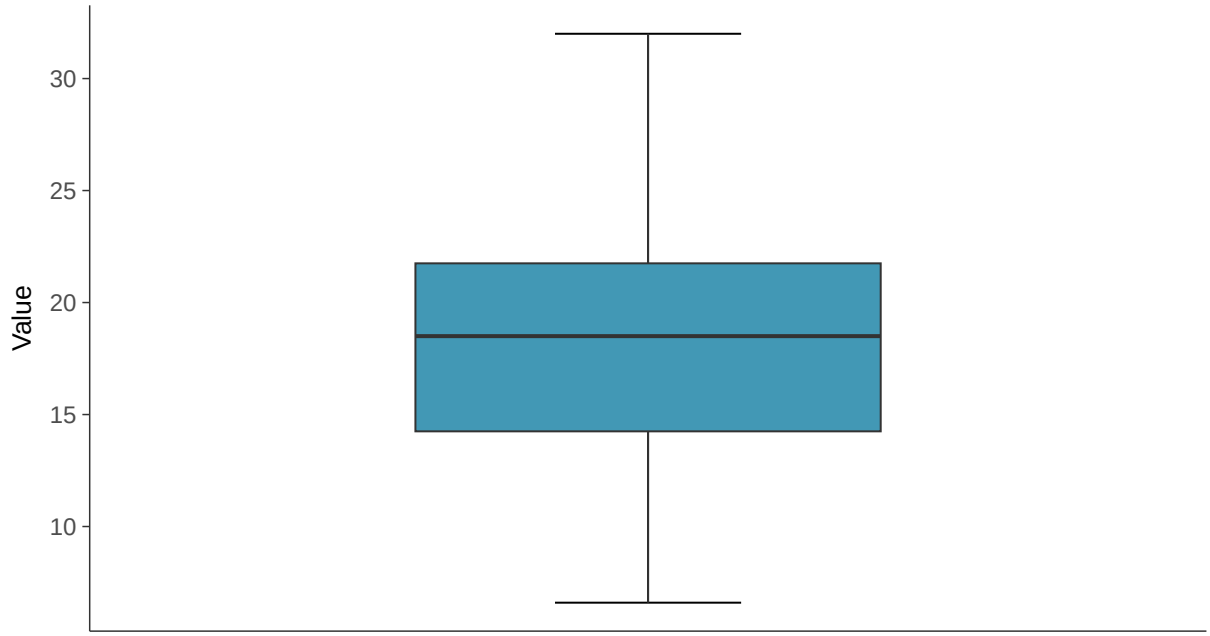
ID: 18_1_5_114





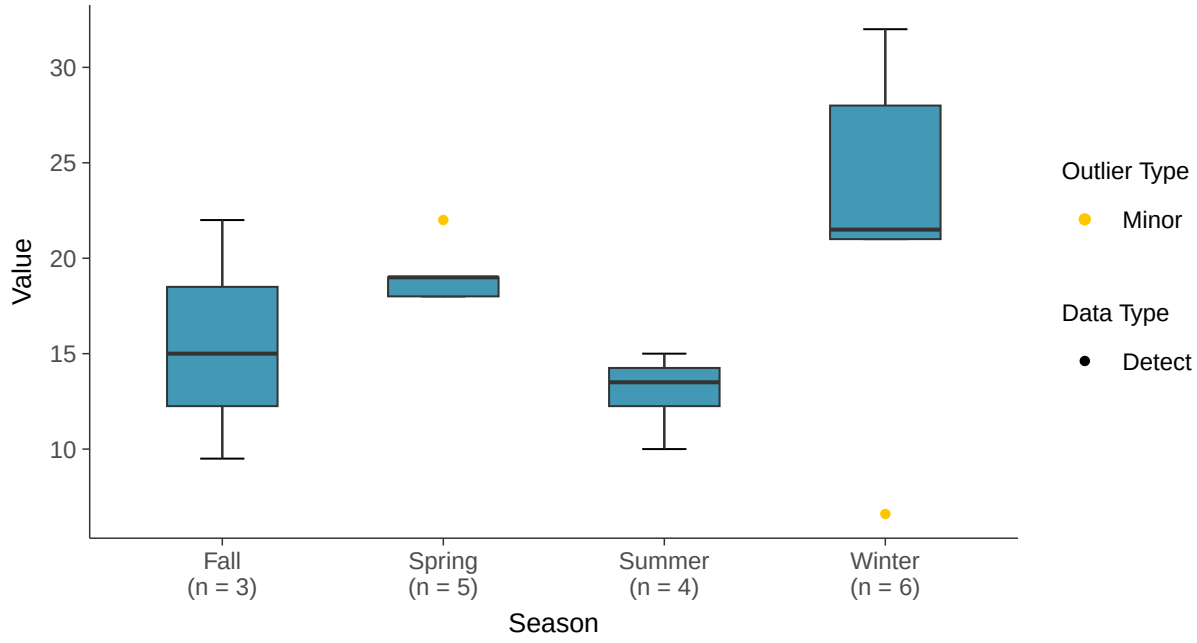
Boxplot

Iron, MW-08 (mg/L)



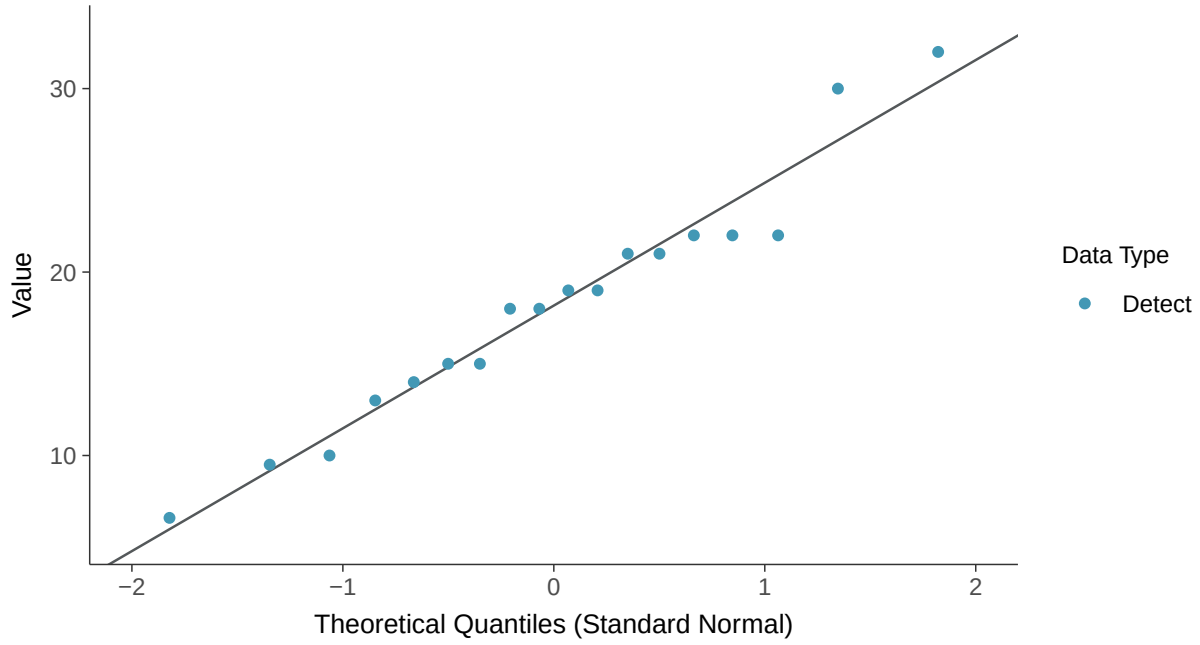
Boxplot by Season

Iron, MW-08 (mg/L)



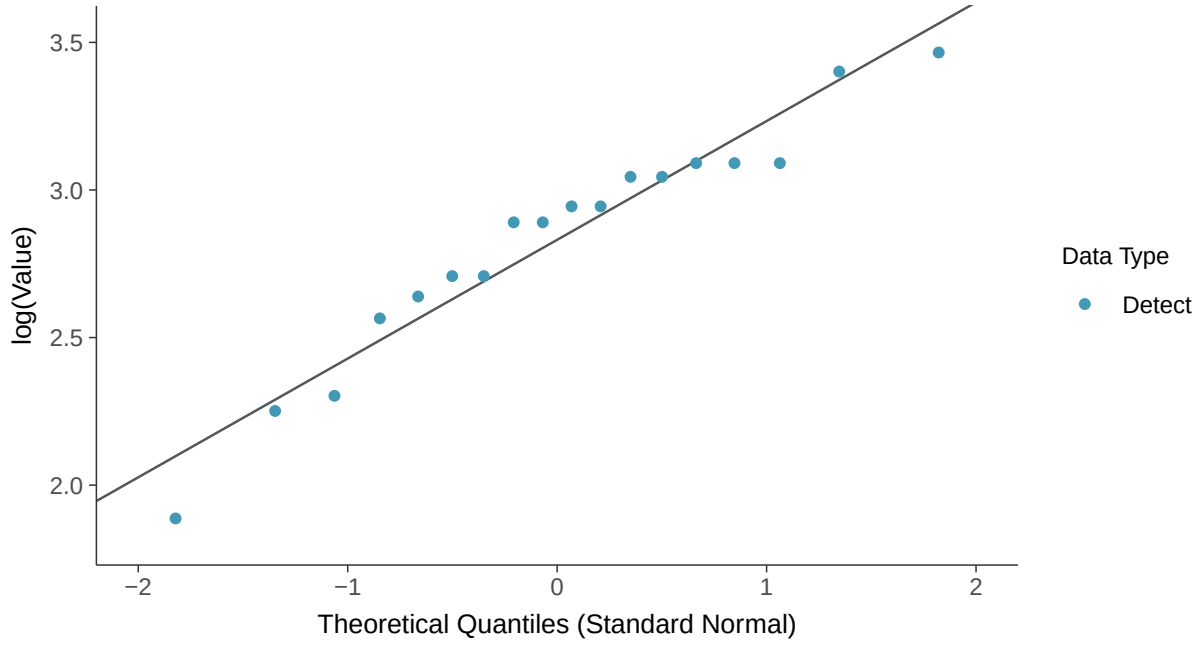
Normal Q-Q plot

Iron, MW-08 (mg/L)



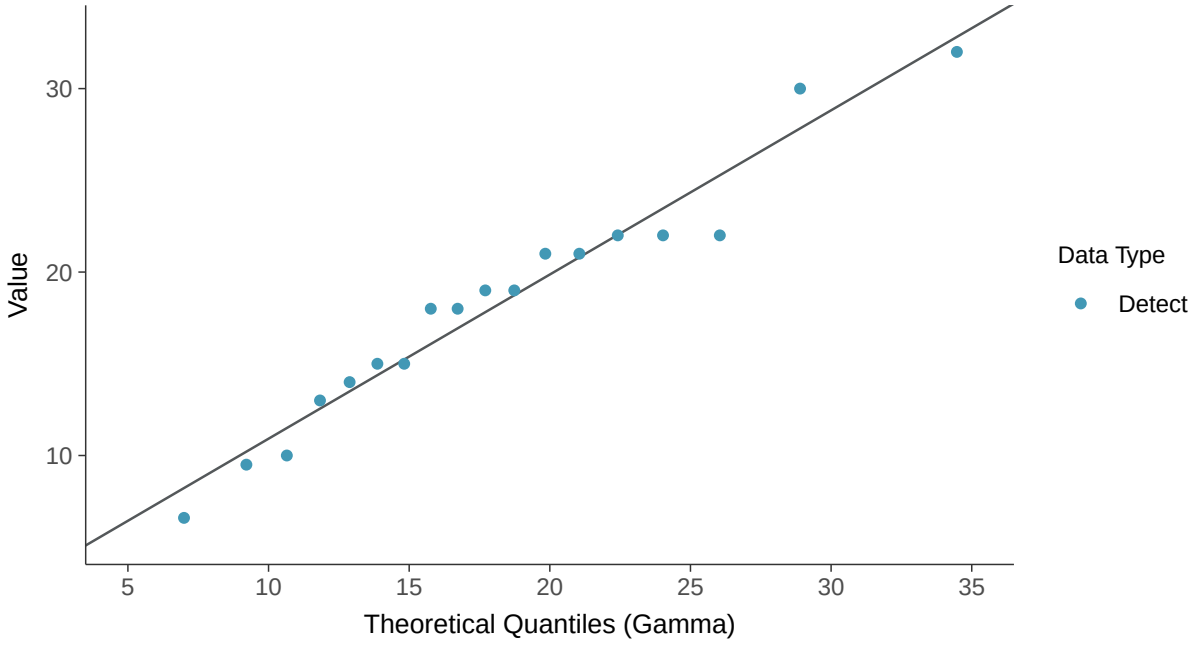
Lognormal Q-Q plot

Iron, MW-08 (mg/L)



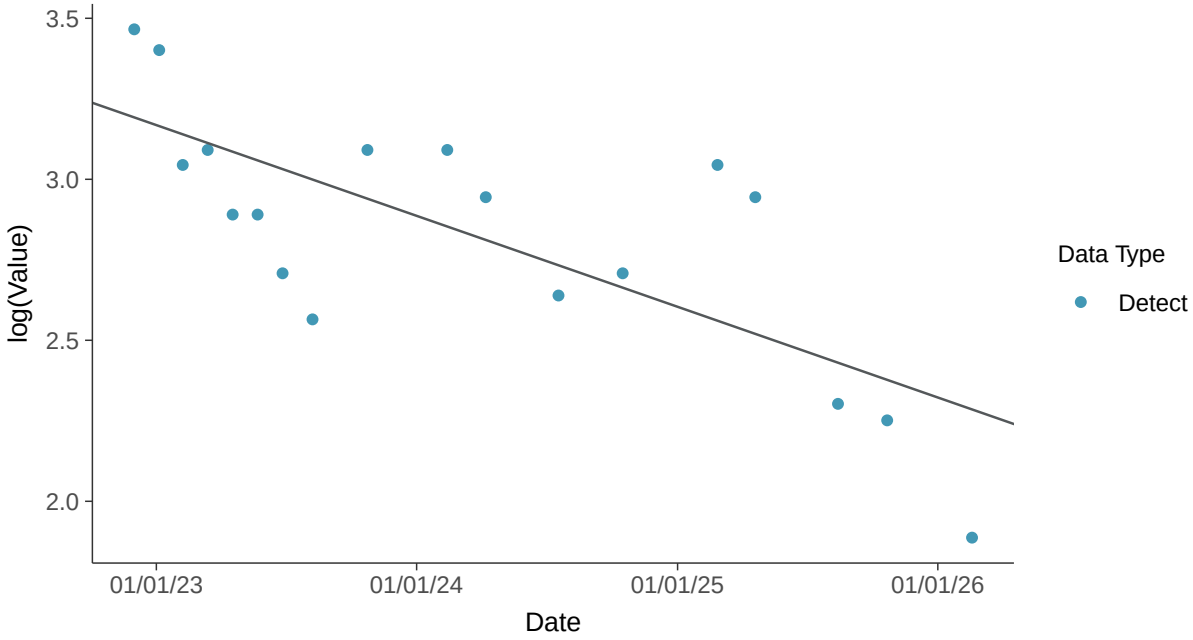
Gamma Q-Q plot

Iron, MW-08 (mg/L)



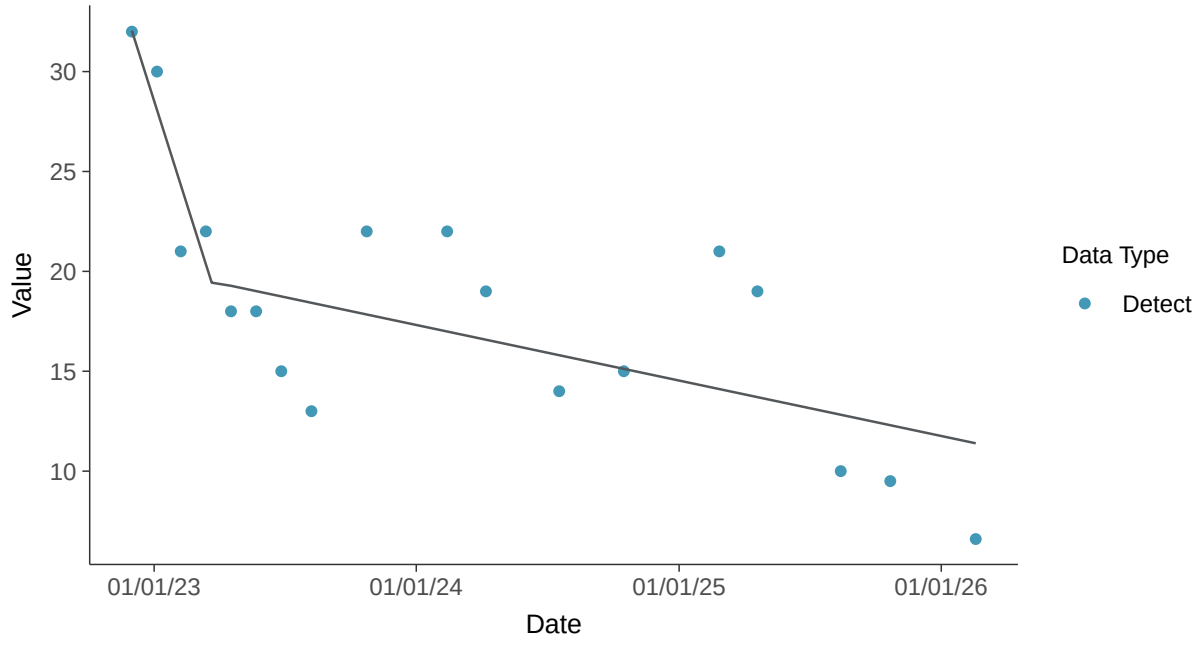
Trend Regression: Lognormal MLE

Iron, MW-08 (mg/L)



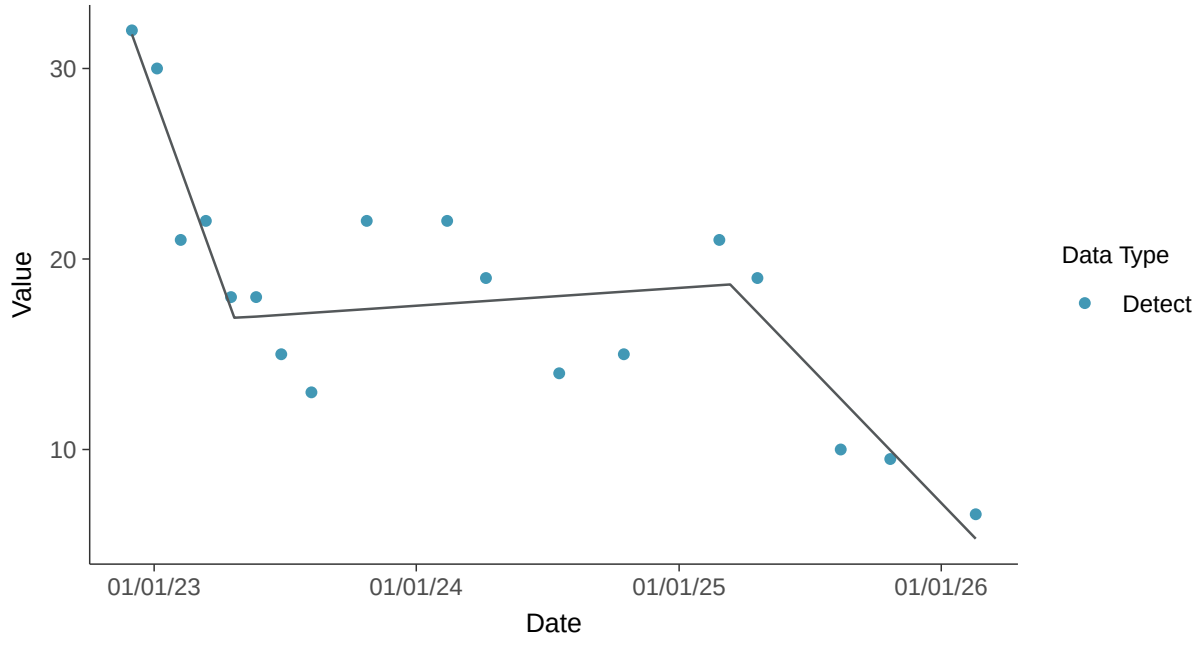
Trend Regression: Piecewise Linear-Linear

Iron, MW-08 (mg/L)



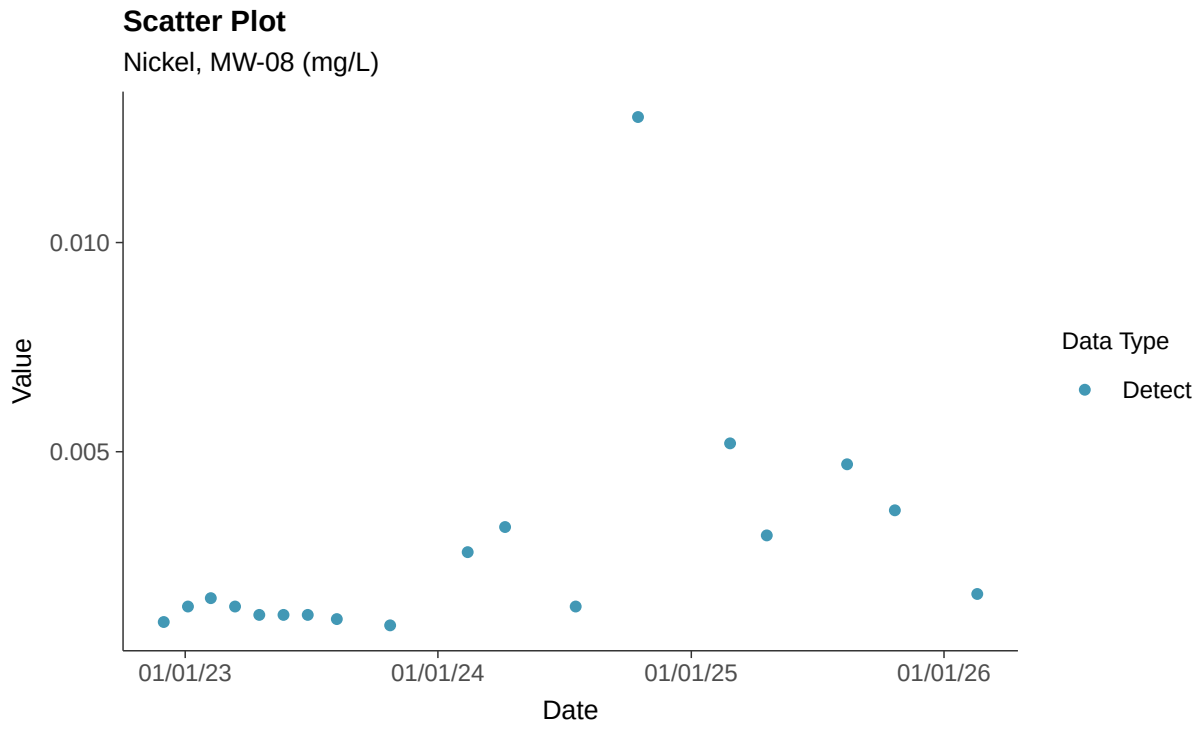
Trend Regression: Piecewise Linear-Linear-Linear

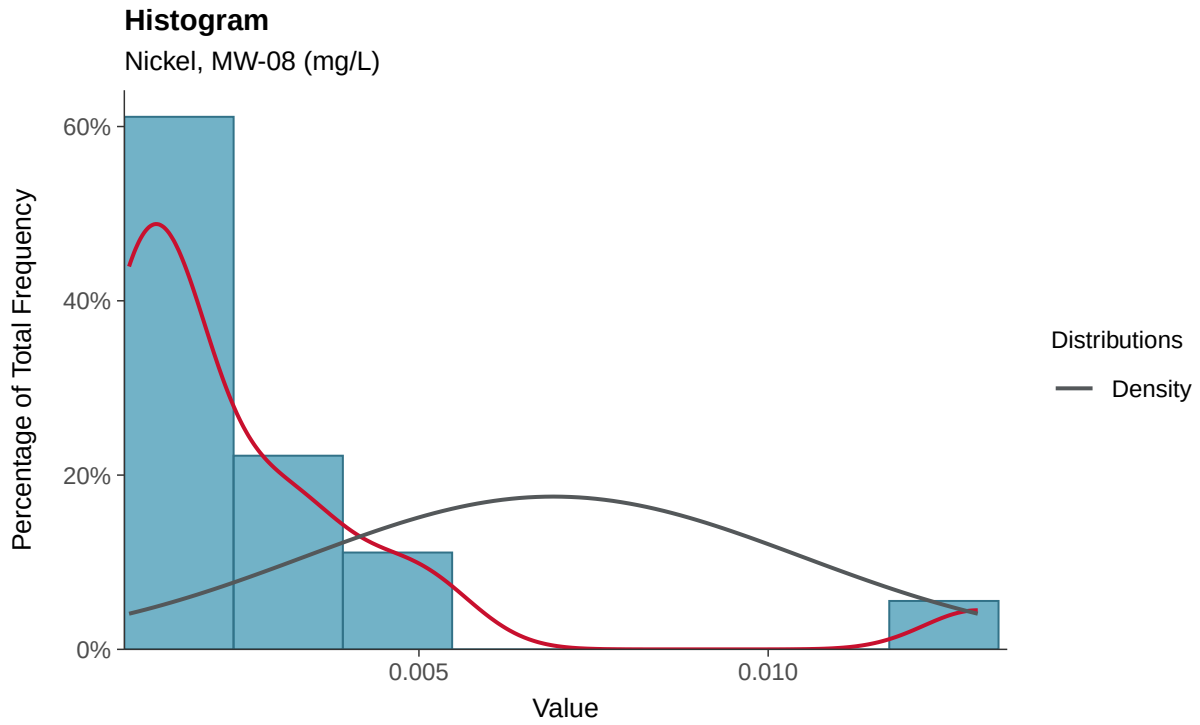
Iron, MW-08 (mg/L)



Part 115: Nickel, MW-08

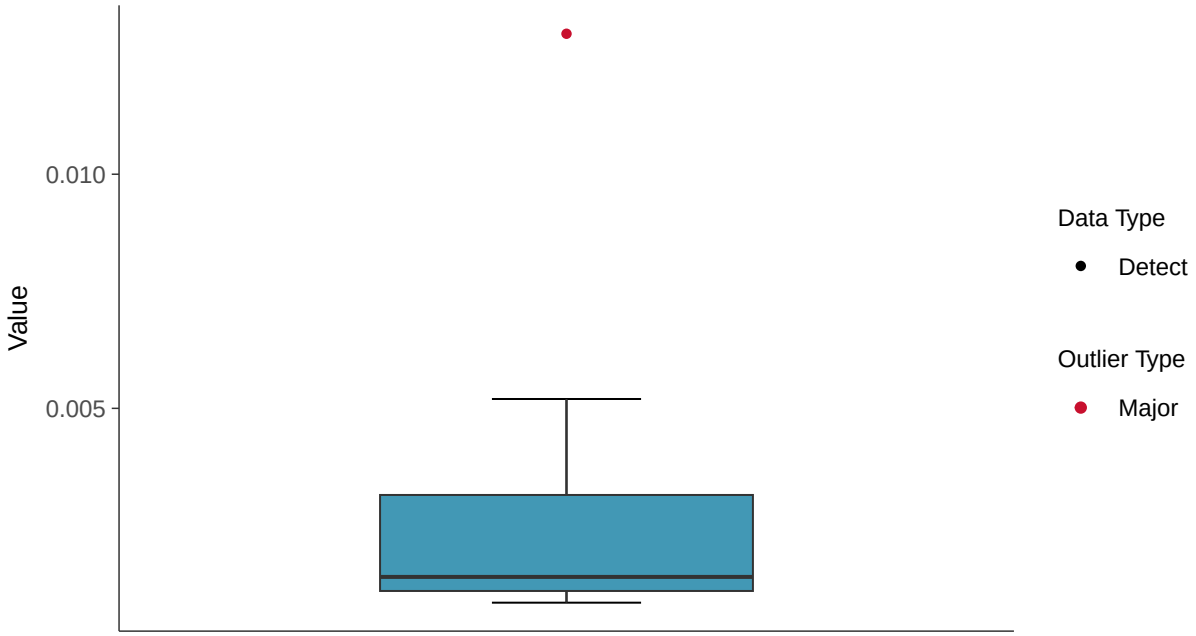
ID: 18_1_5_119





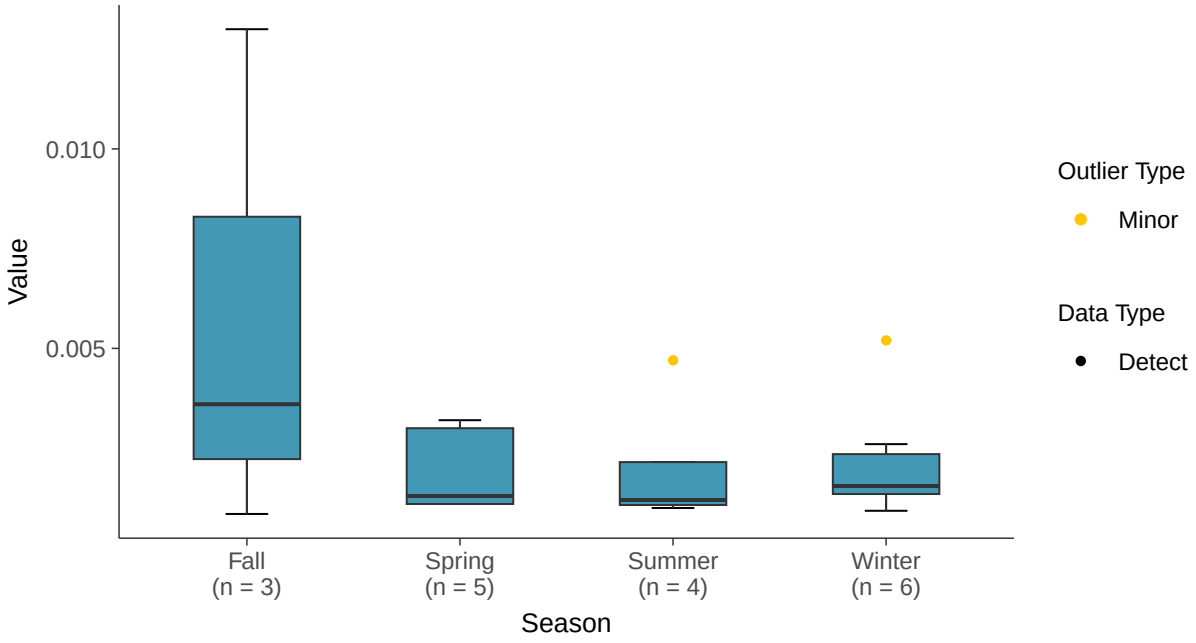
Boxplot

Nickel, MW-08 (mg/L)



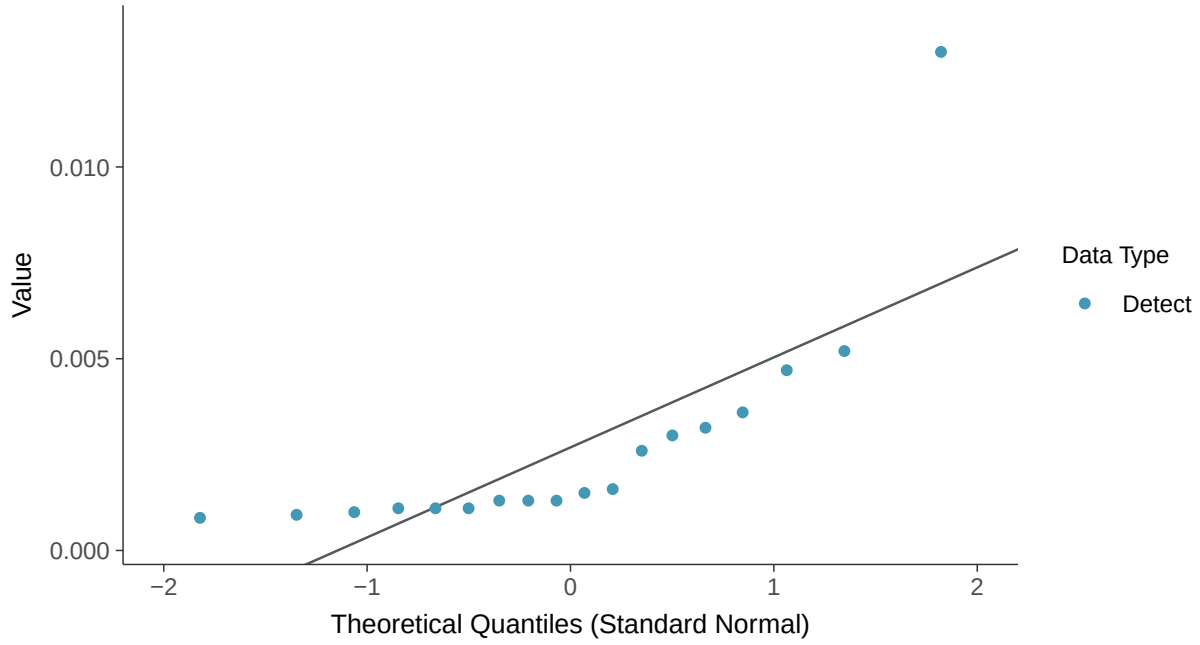
Boxplot by Season

Nickel, MW-08 (mg/L)



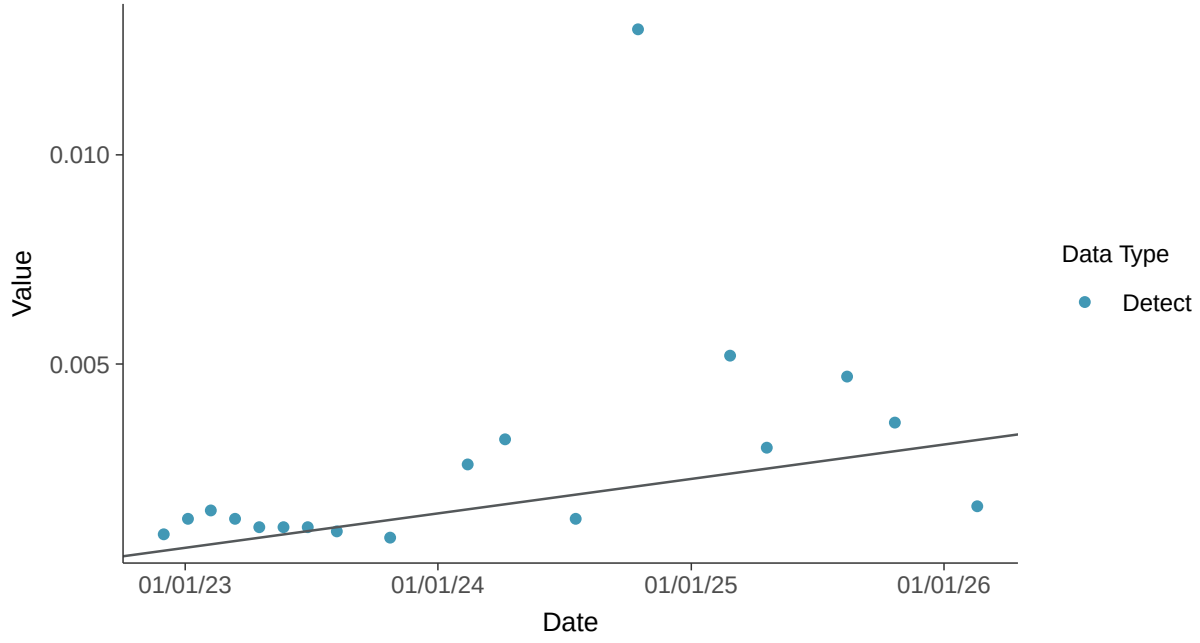
Normal Q-Q plot

Nickel, MW-08 (mg/L)



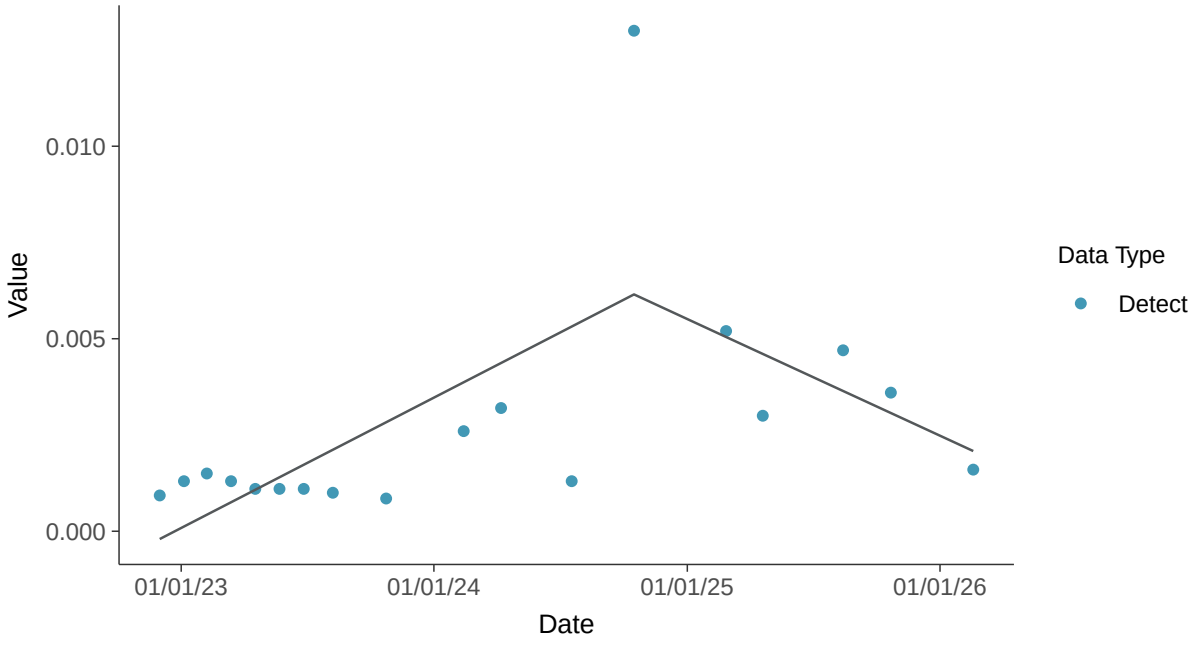
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Nickel, MW-08 (mg/L)



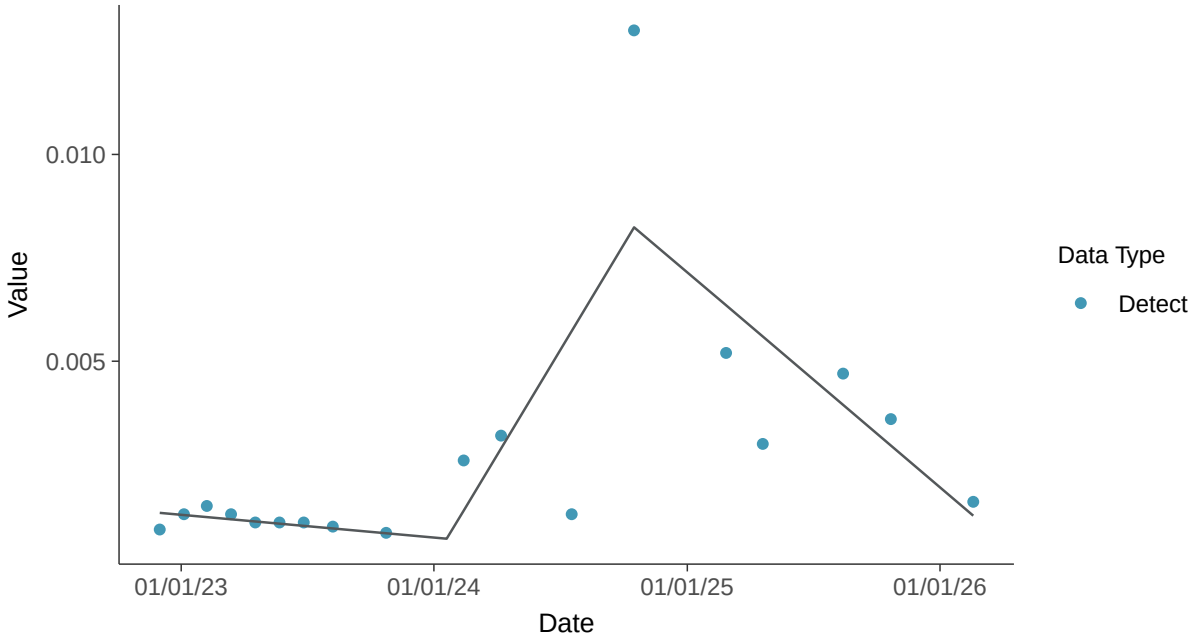
Trend Regression: Piecewise Linear-Linear

Nickel, MW-08 (mg/L)



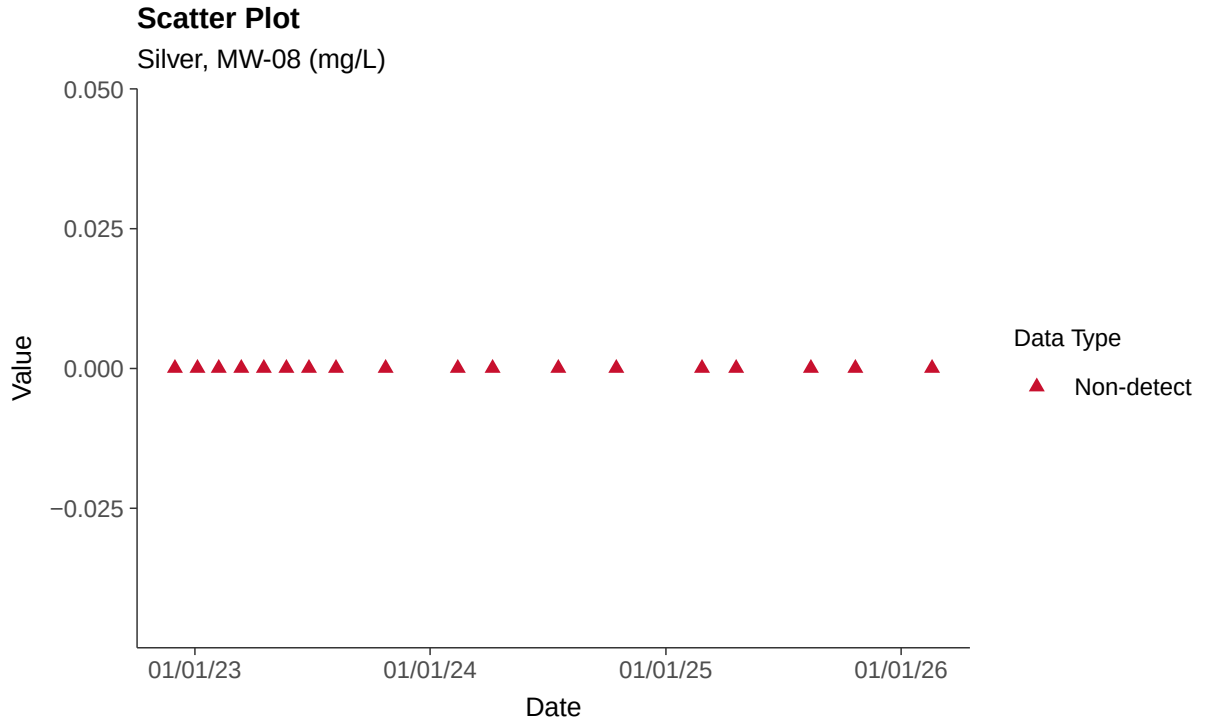
Trend Regression: Piecewise Linear-Linear-Linear

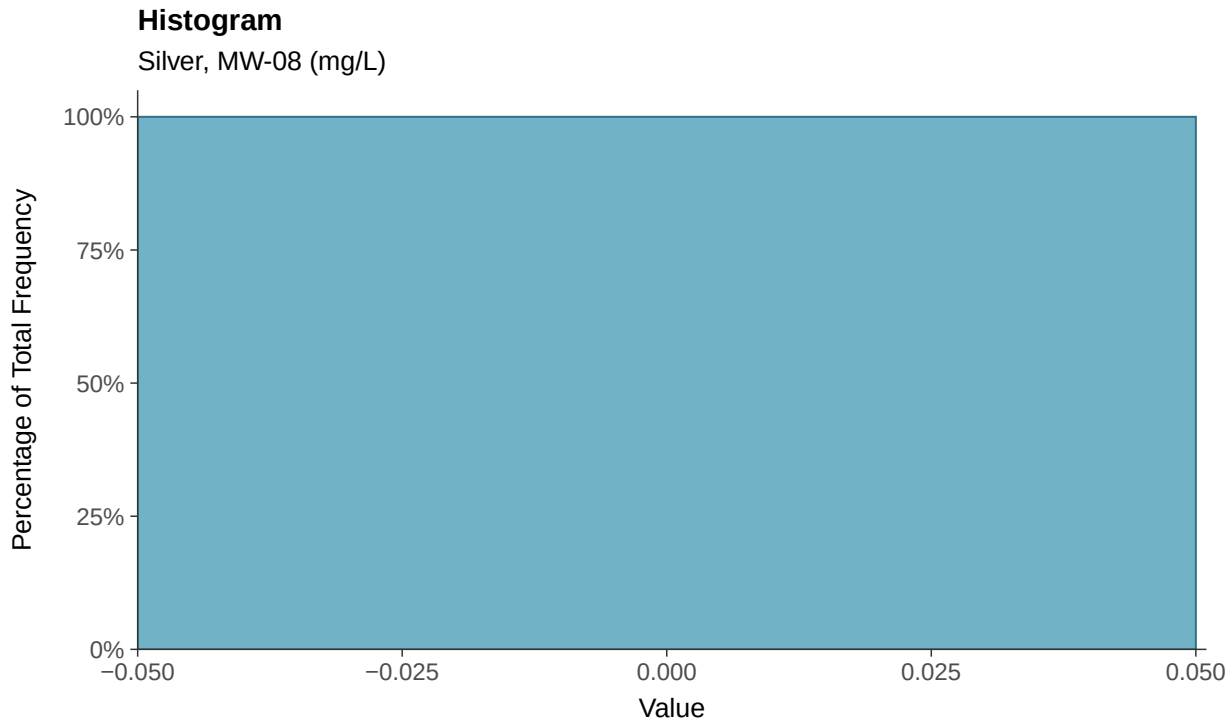
Nickel, MW-08 (mg/L)



Part 115: Silver, MW-08

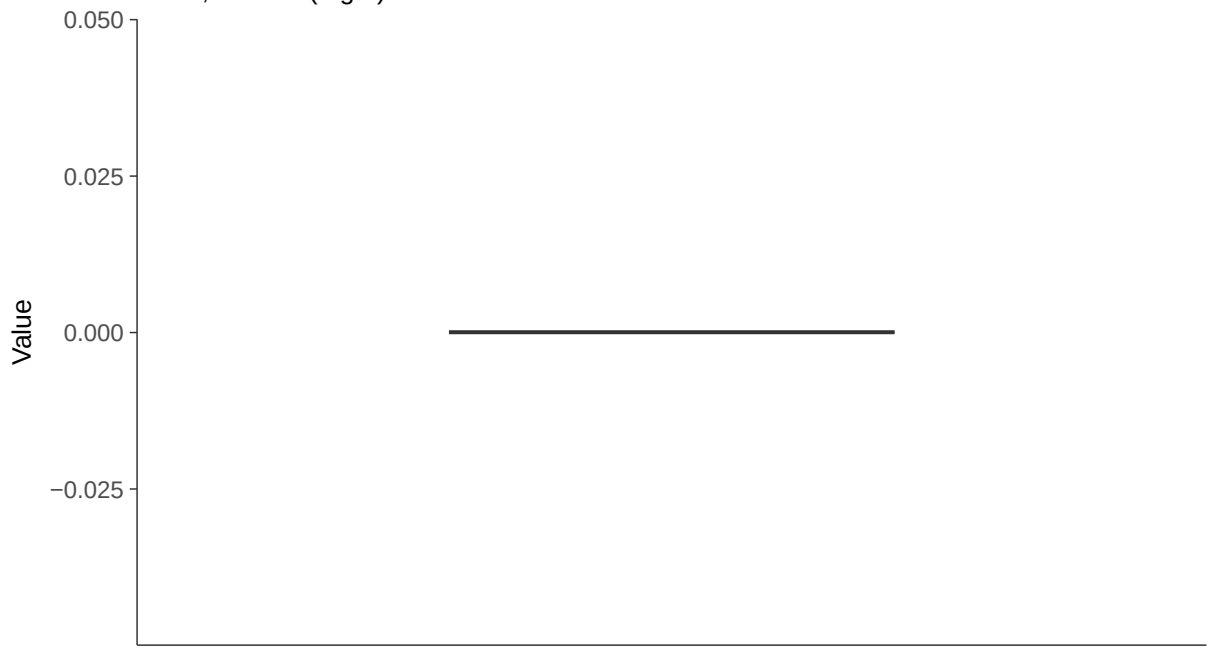
ID: 18_1_5_123





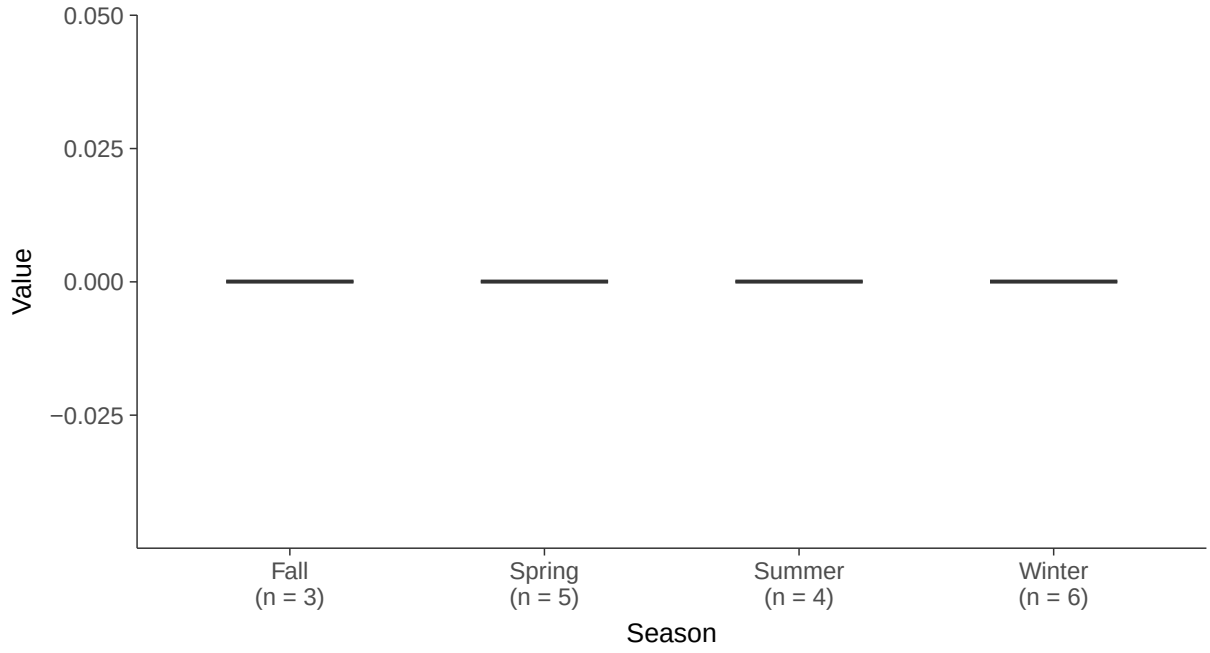
Boxplot

Silver, MW-08 (mg/L)



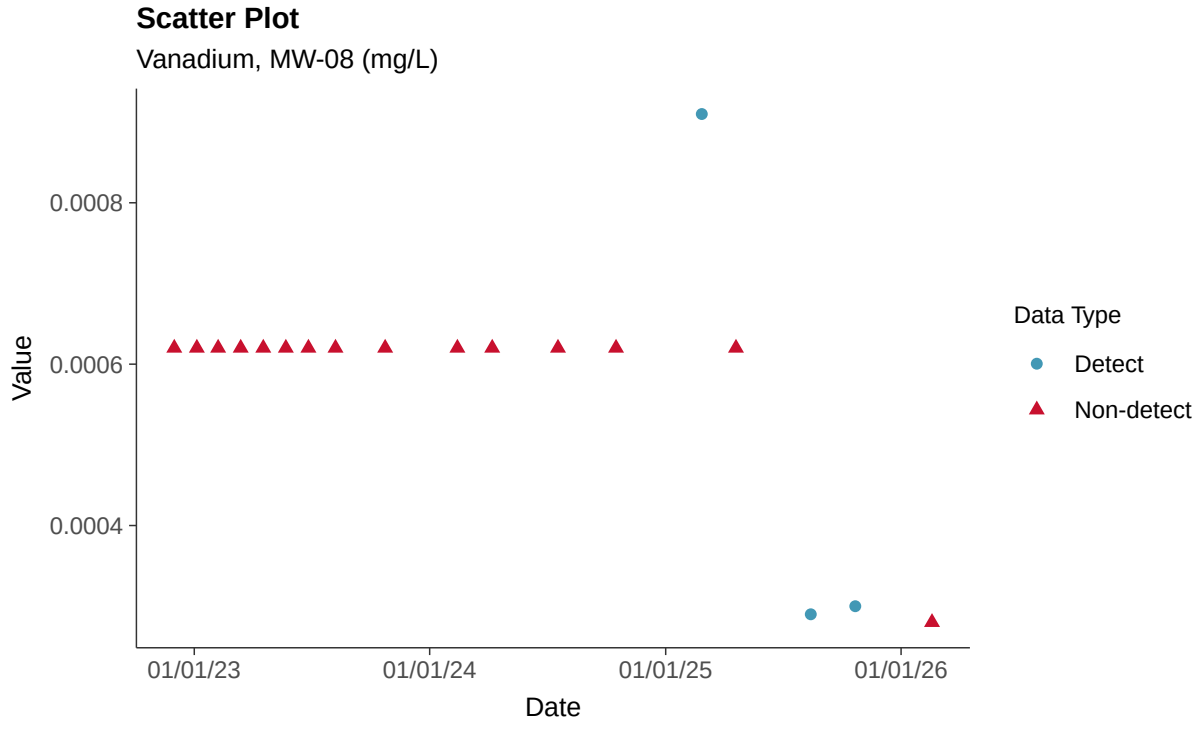
Boxplot by Season

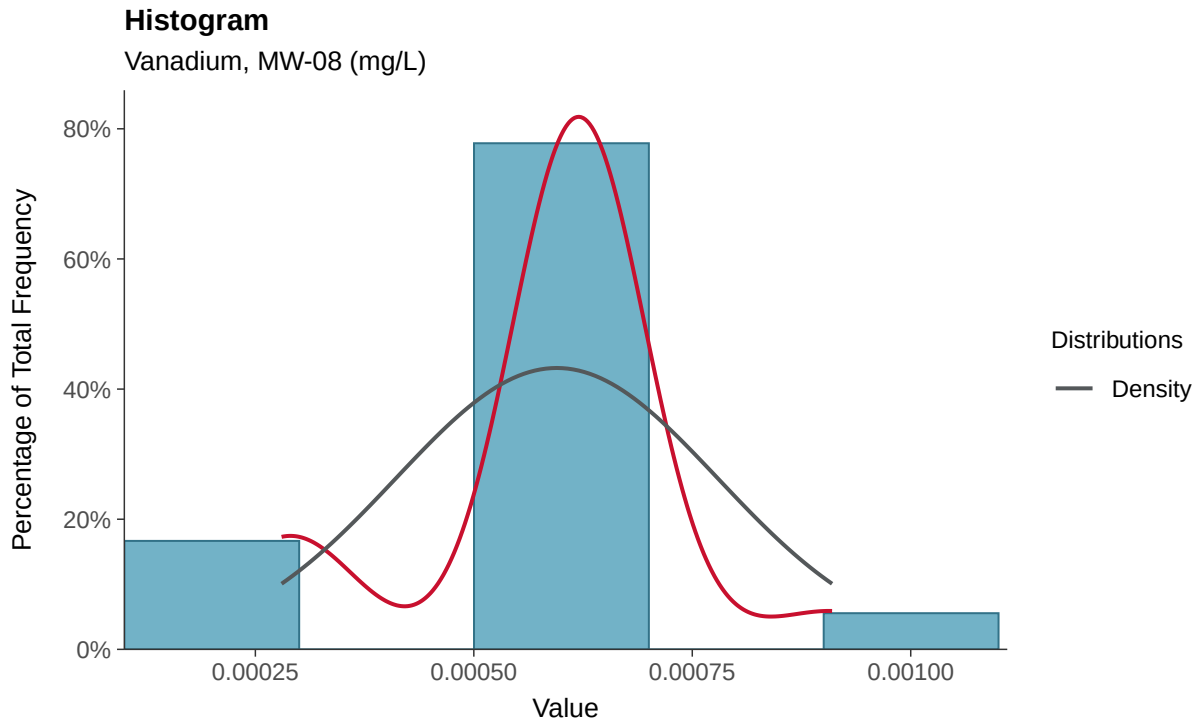
Silver, MW-08 (mg/L)



Part 115: Vanadium, MW-08

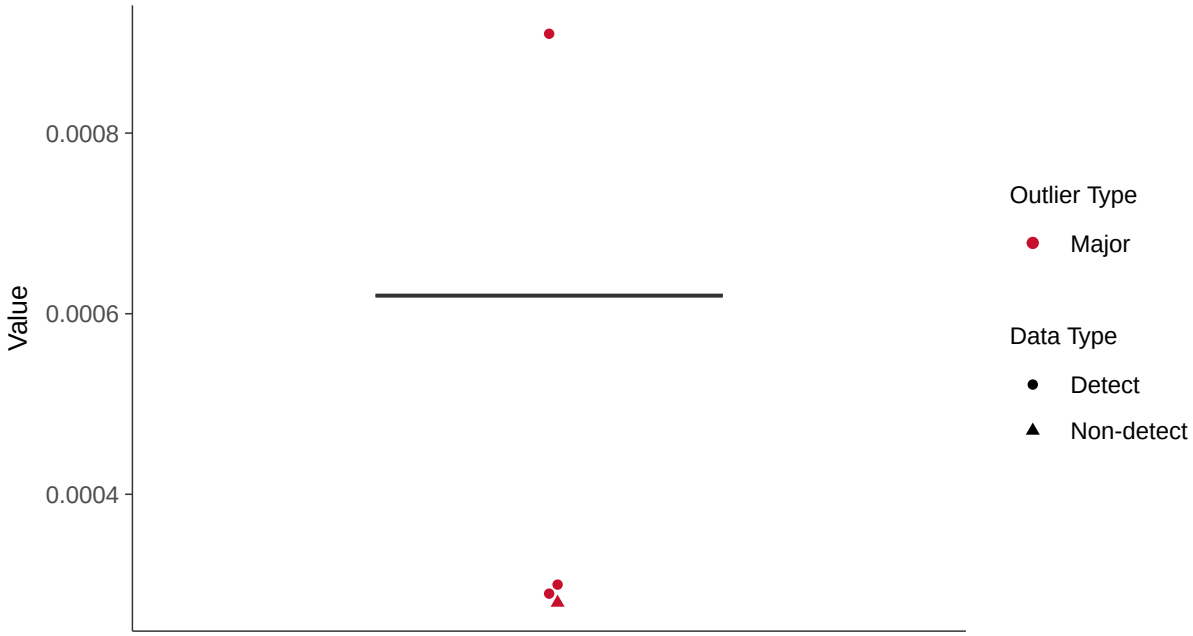
ID: 18_1_5_128





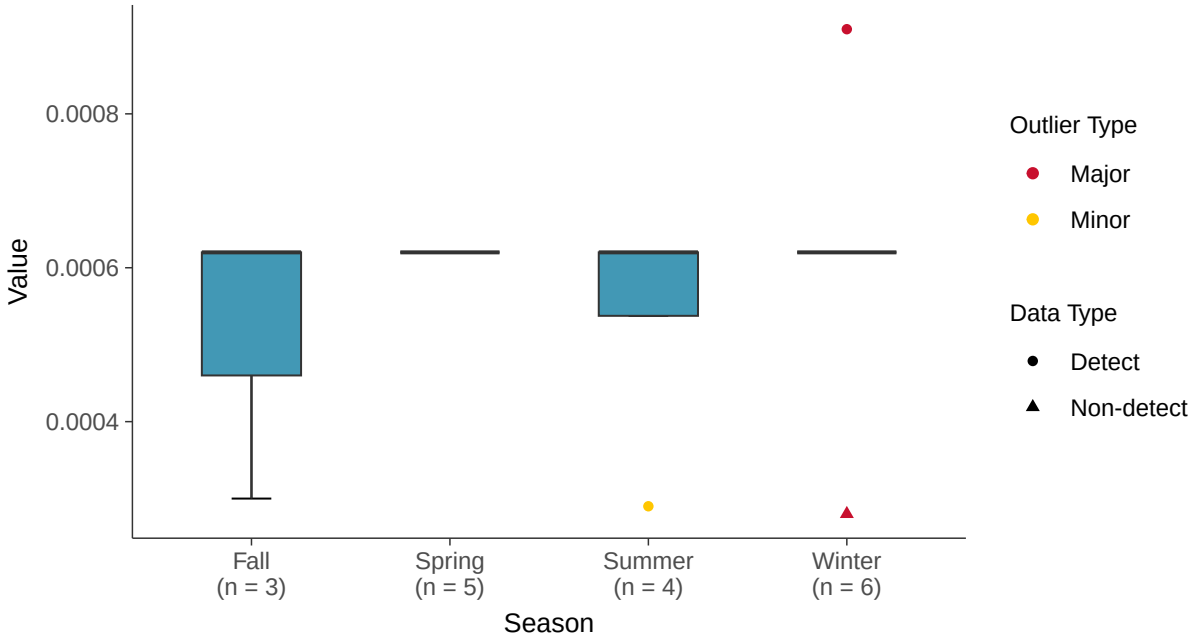
Boxplot

Vanadium, MW-08 (mg/L)



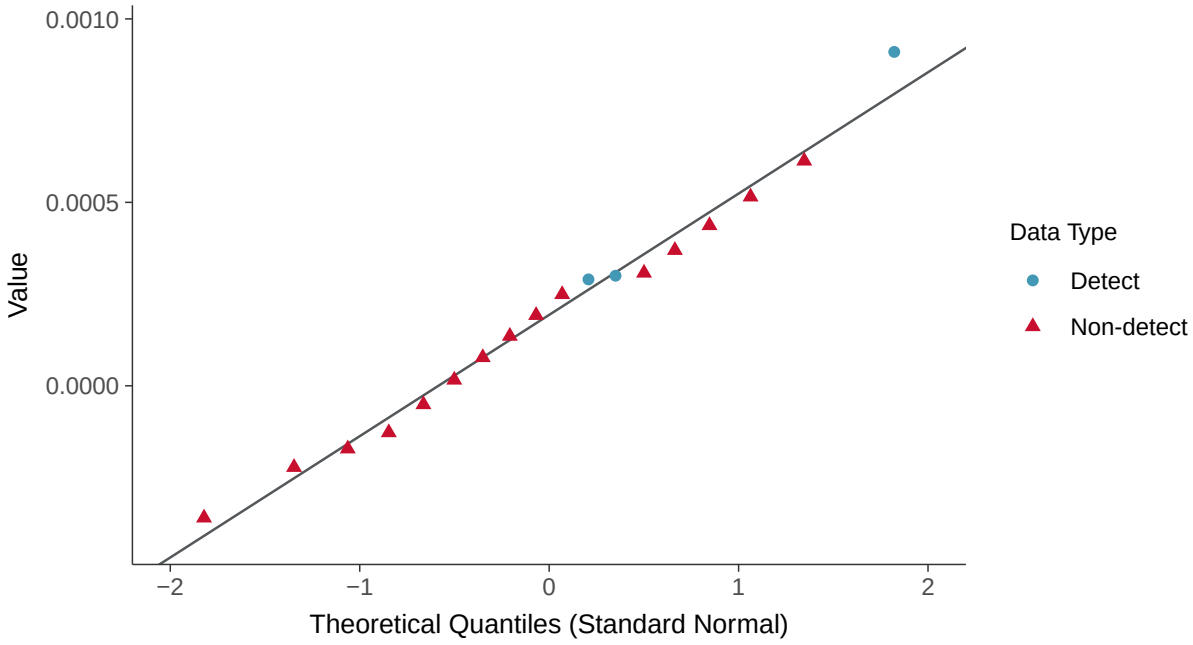
Boxplot by Season

Vanadium, MW-08 (mg/L)



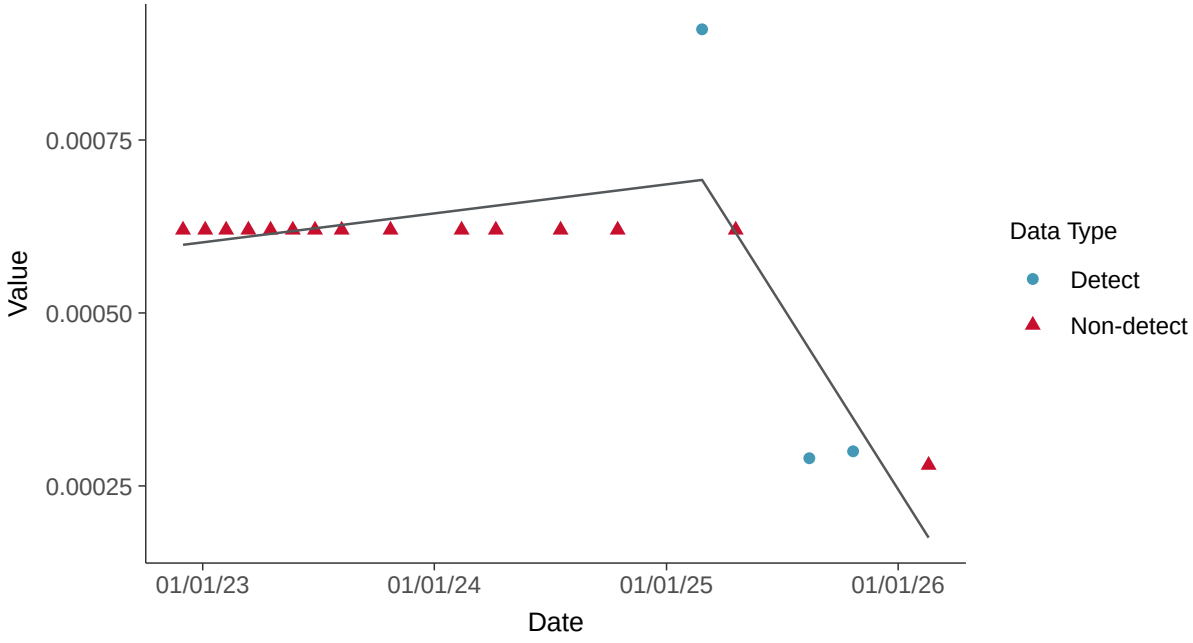
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-08 (mg/L)



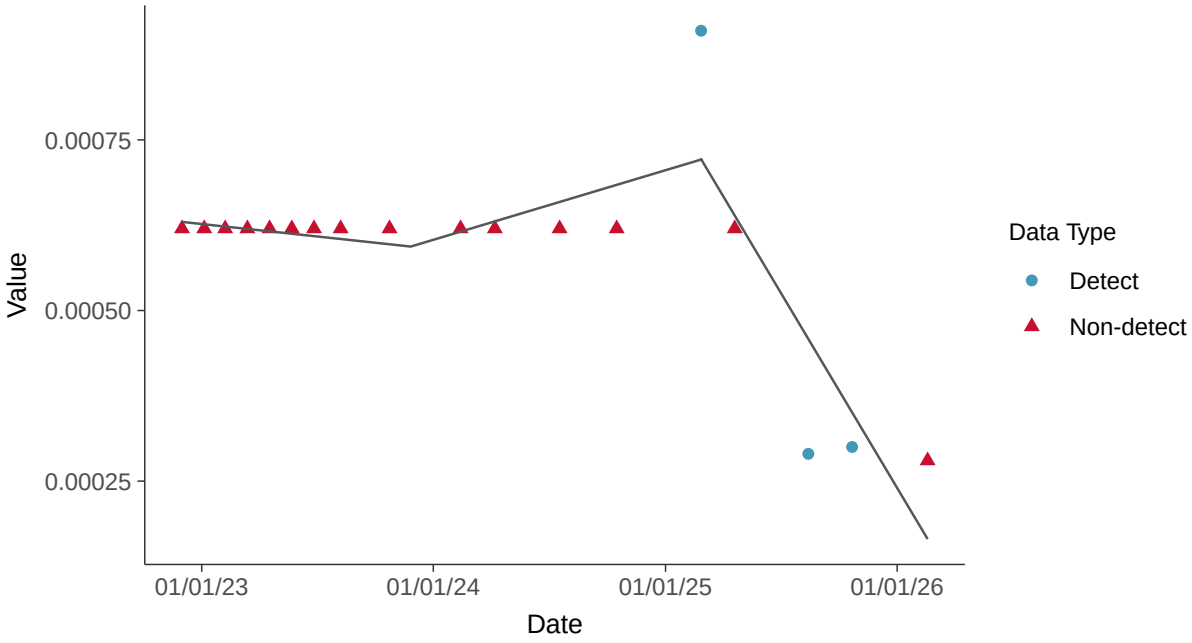
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-08 (mg/L)



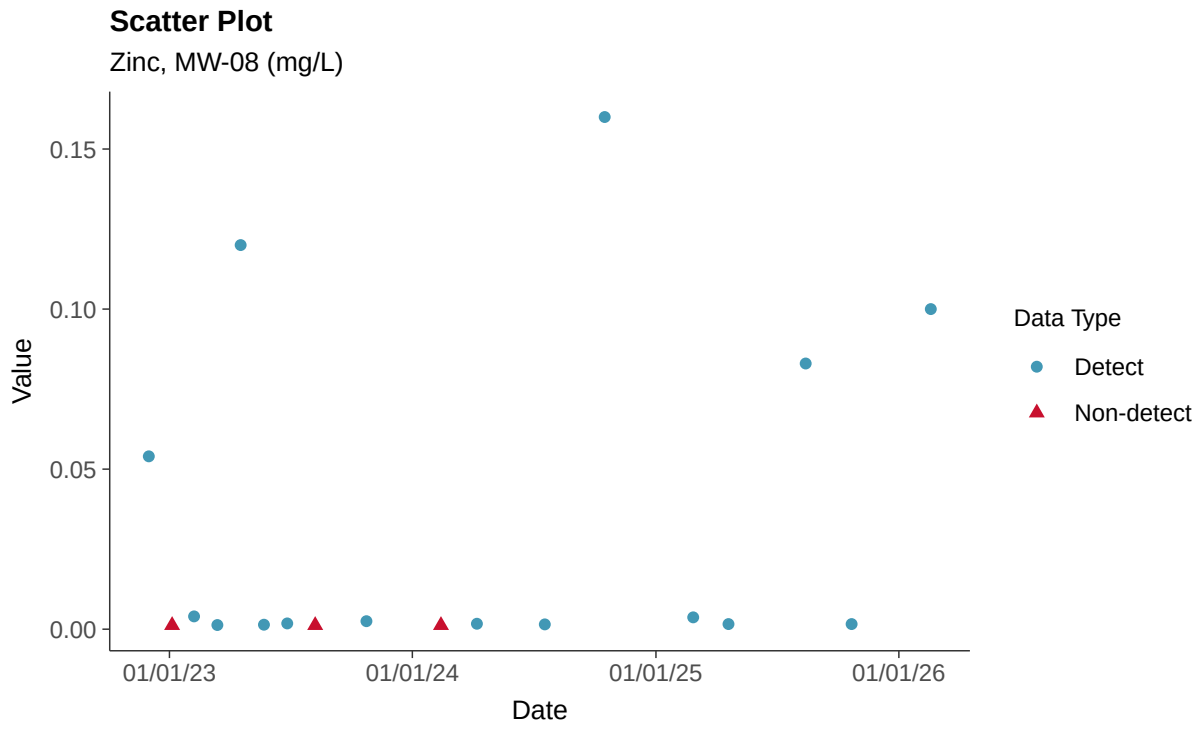
Trend Regression: Piecewise Linear-Linear-Linear

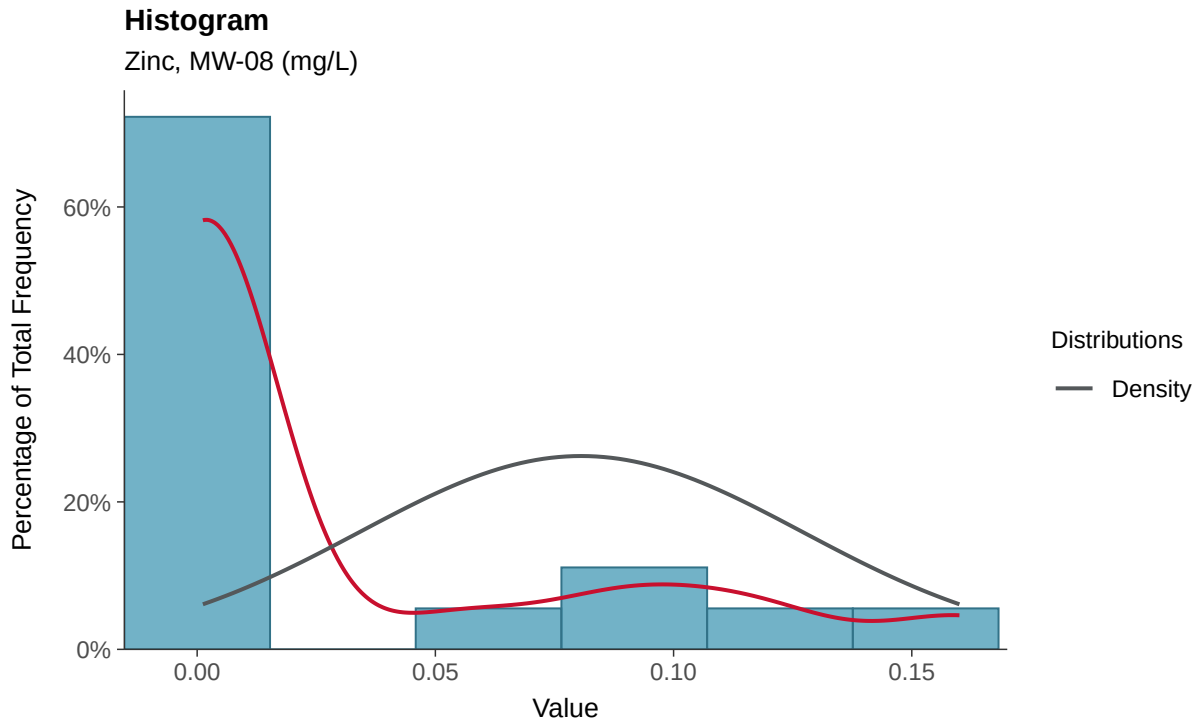
Vanadium, MW-08 (mg/L)



Part 115: Zinc, MW-08

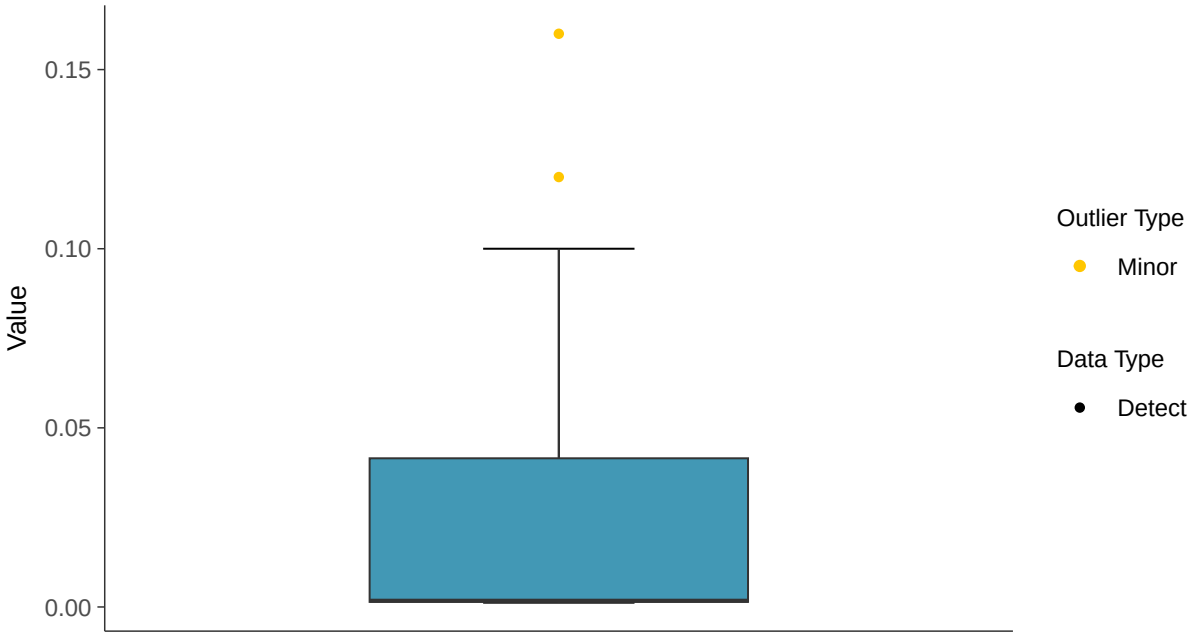
ID: 18_1_5_129





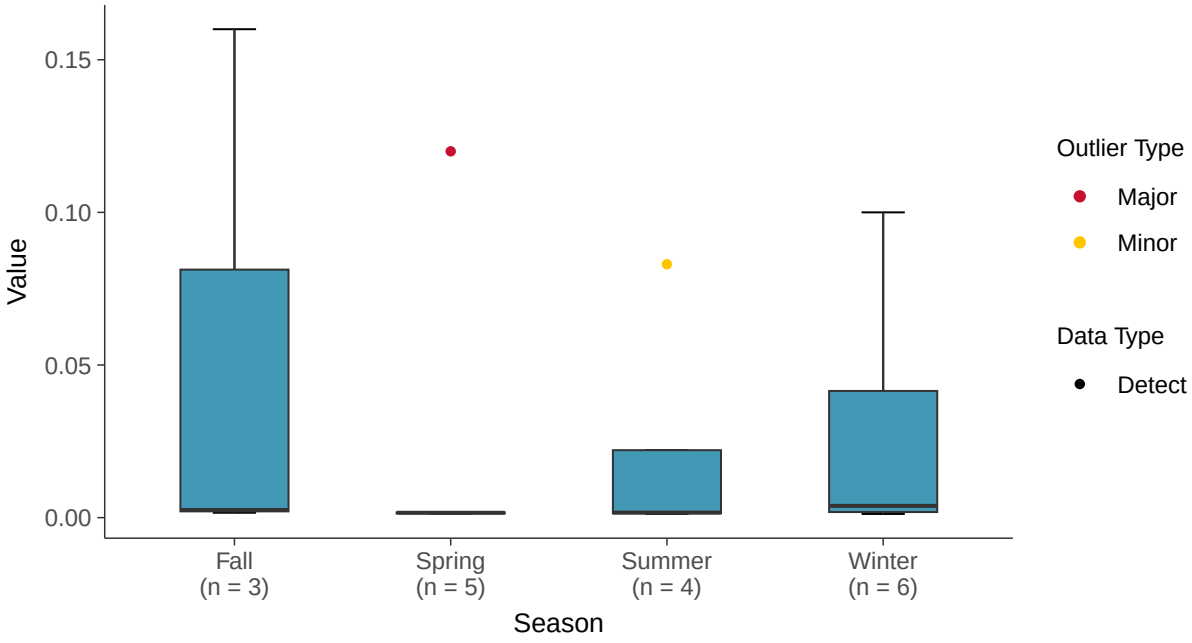
Boxplot

Zinc, MW-08 (mg/L)



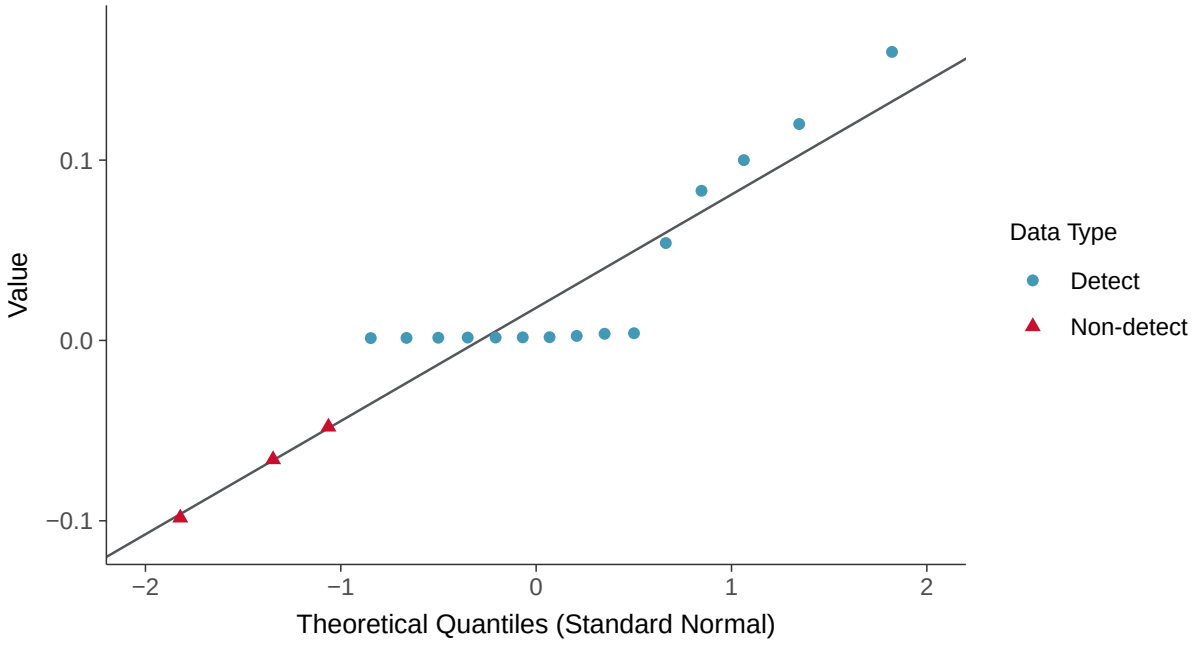
Boxplot by Season

Zinc, MW-08 (mg/L)



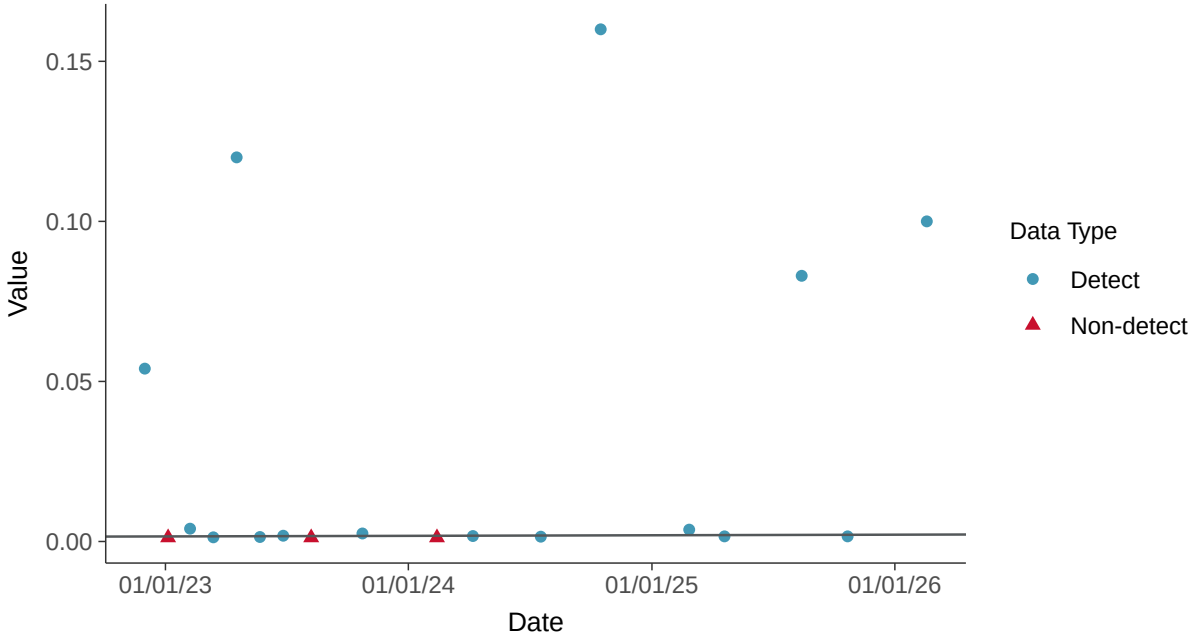
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-08 (mg/L)



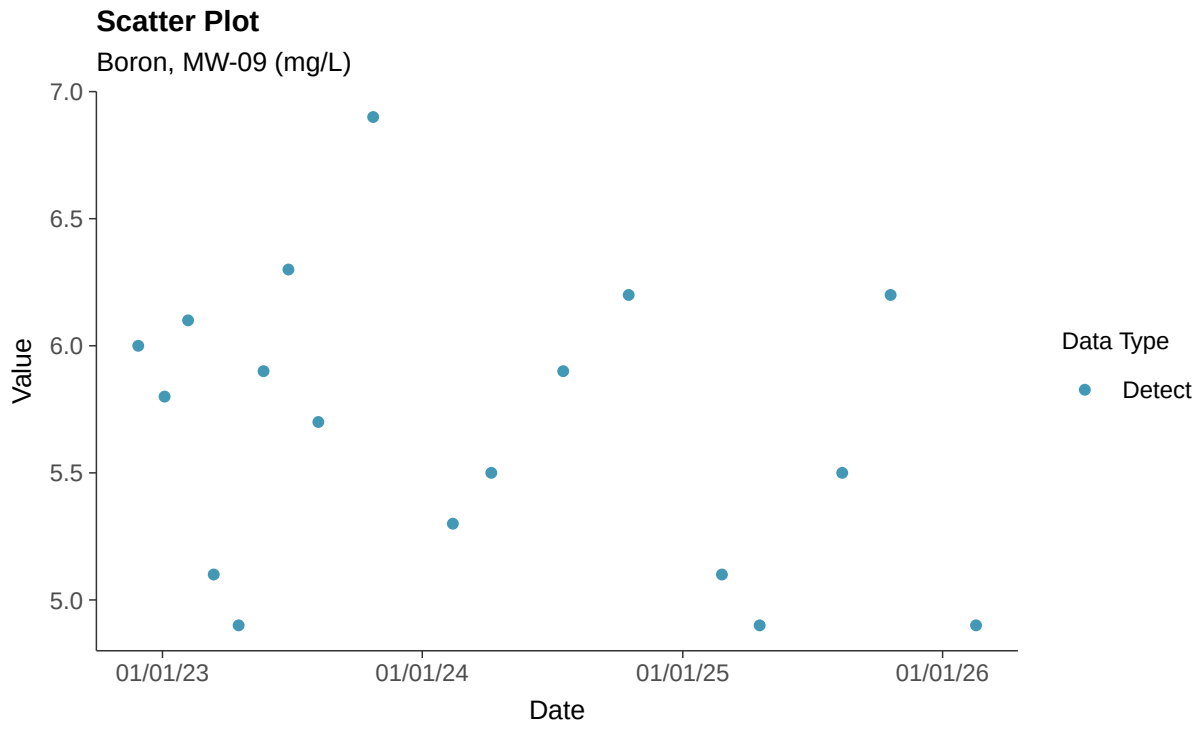
Trend Regression: Mann-Kendall/Theil-Sen Estimate

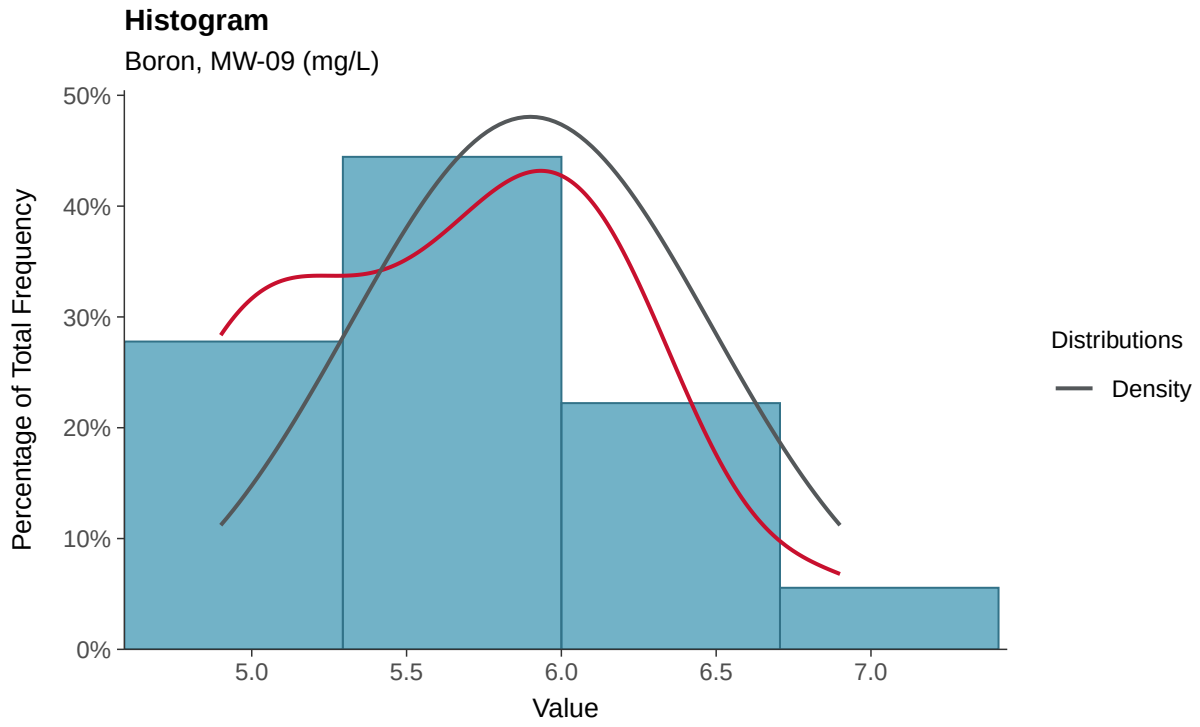
Zinc, MW-08 (mg/L)



Appendix III: Boron, MW-09

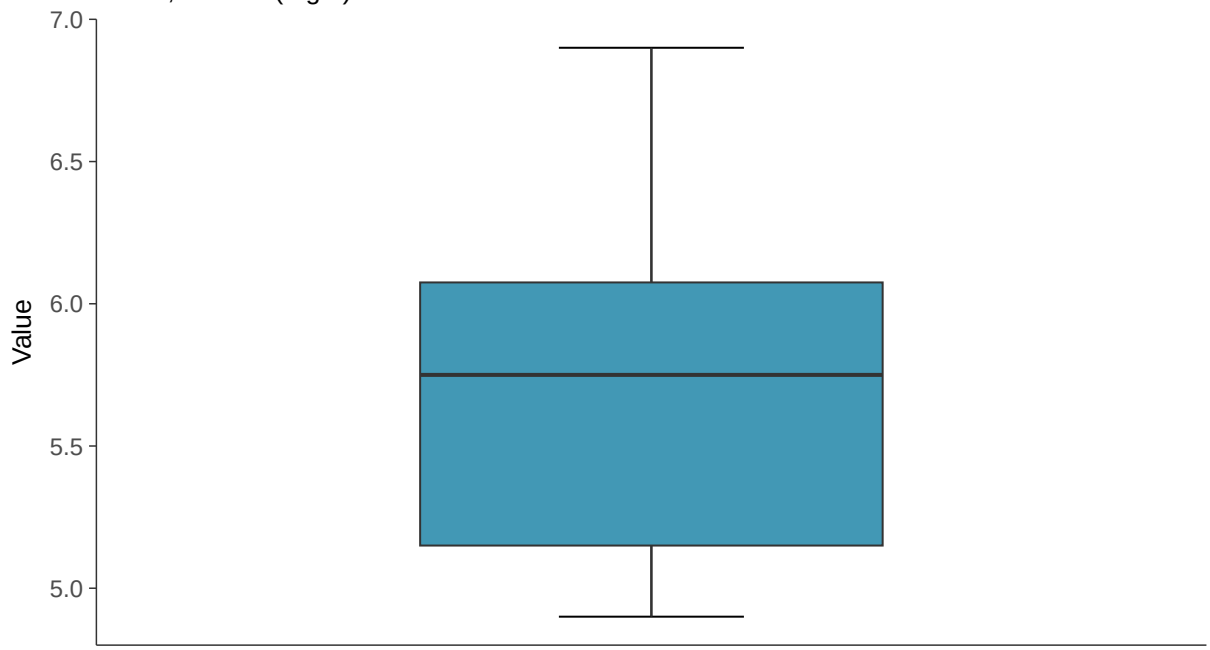
ID: 19_2_3_105





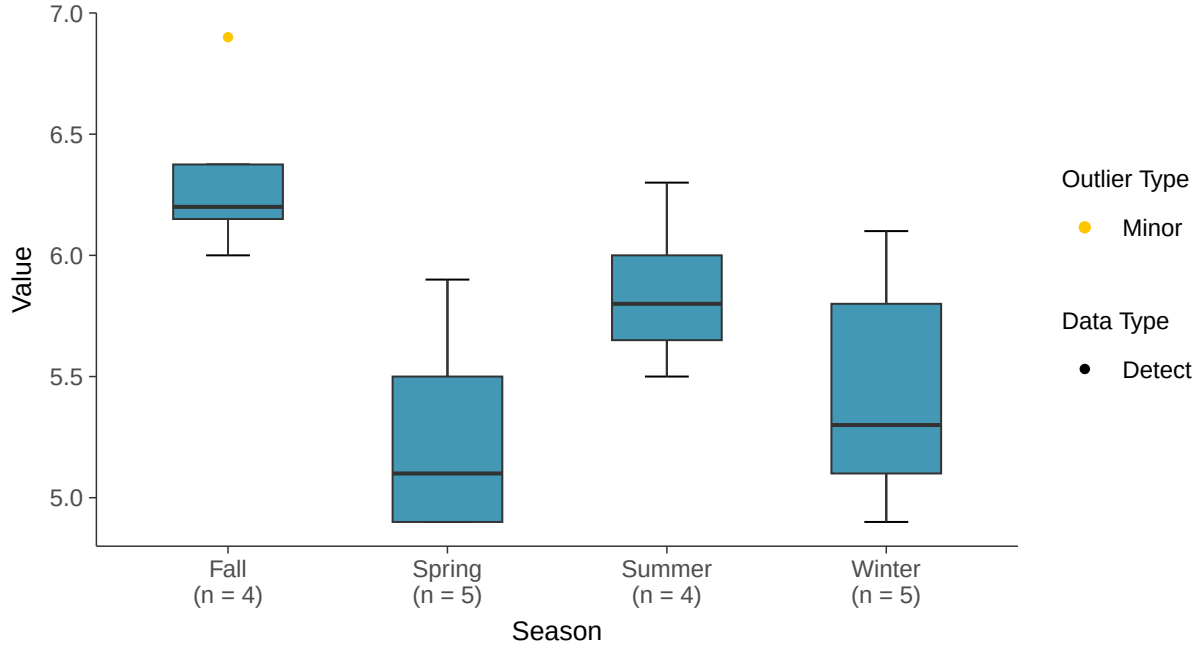
Boxplot

Boron, MW-09 (mg/L)



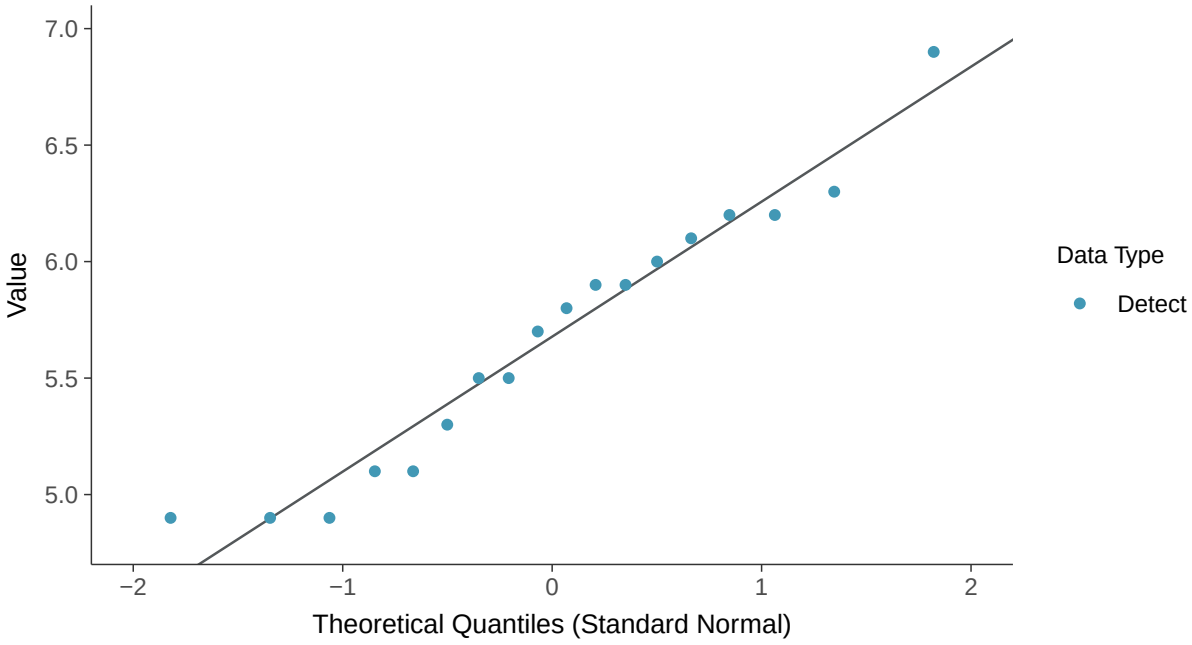
Boxplot by Season

Boron, MW-09 (mg/L)



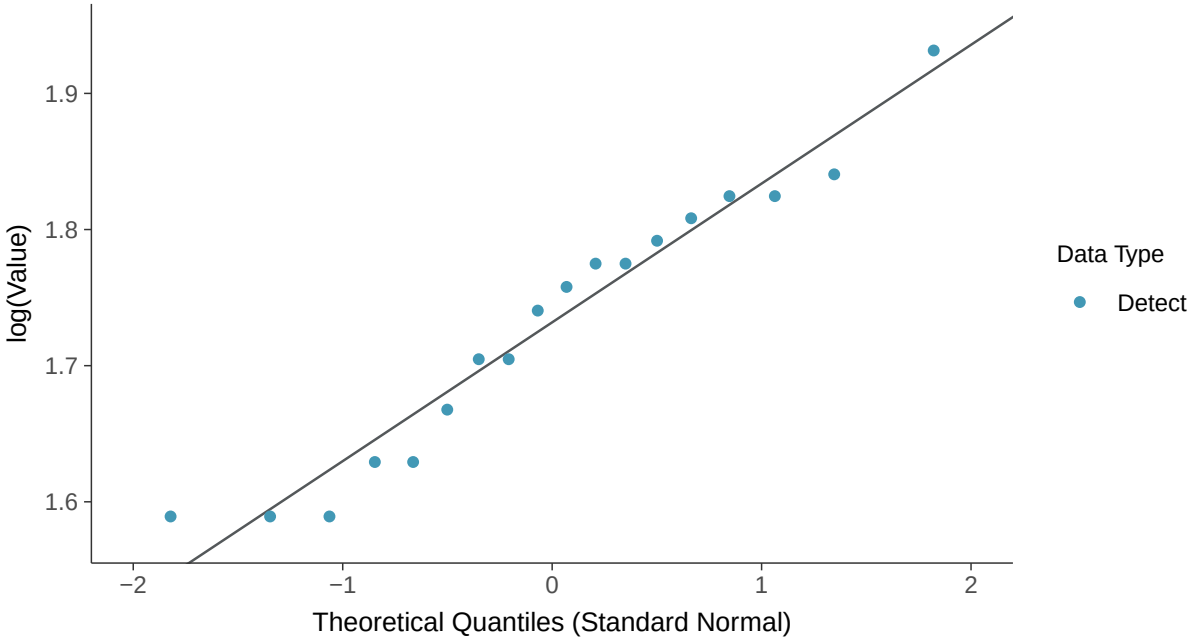
Normal Q-Q plot

Boron, MW-09 (mg/L)



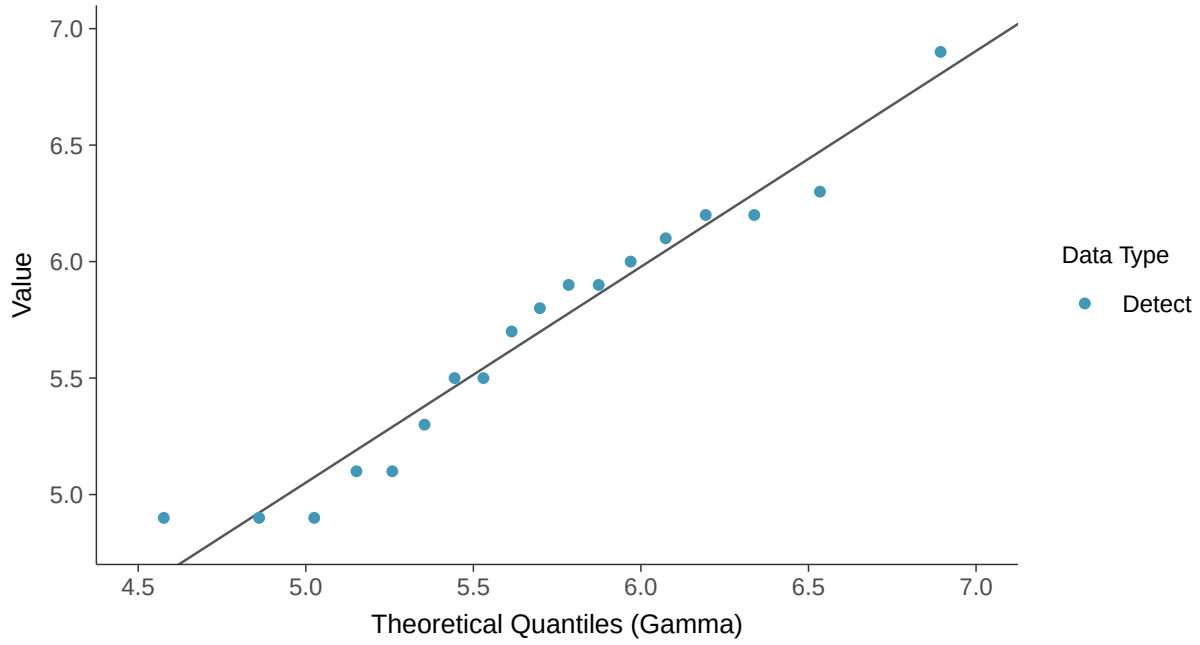
Lognormal Q-Q plot

Boron, MW-09 (mg/L)



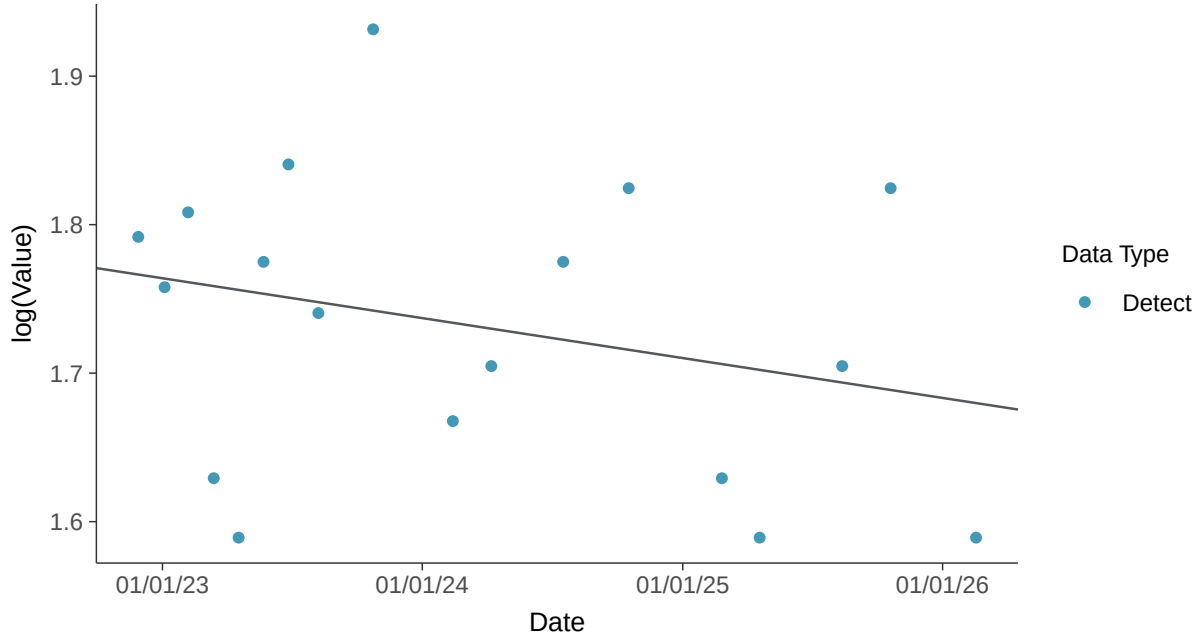
Gamma Q-Q plot

Boron, MW-09 (mg/L)



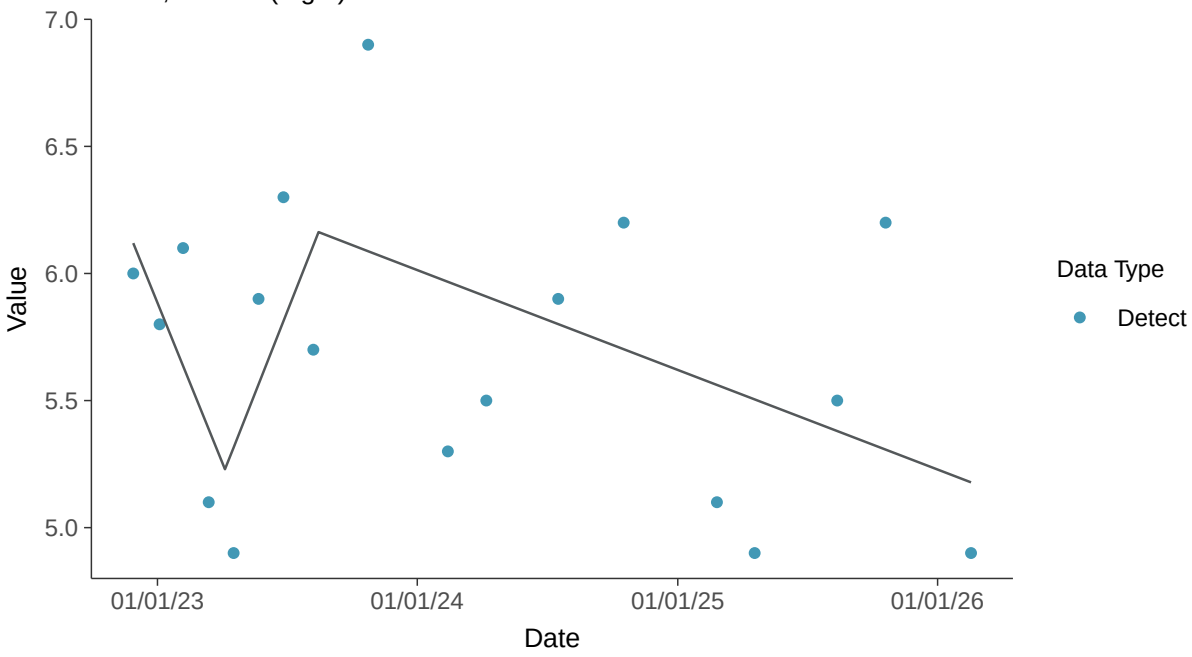
Trend Regression: Lognormal MLE

Boron, MW-09 (mg/L)



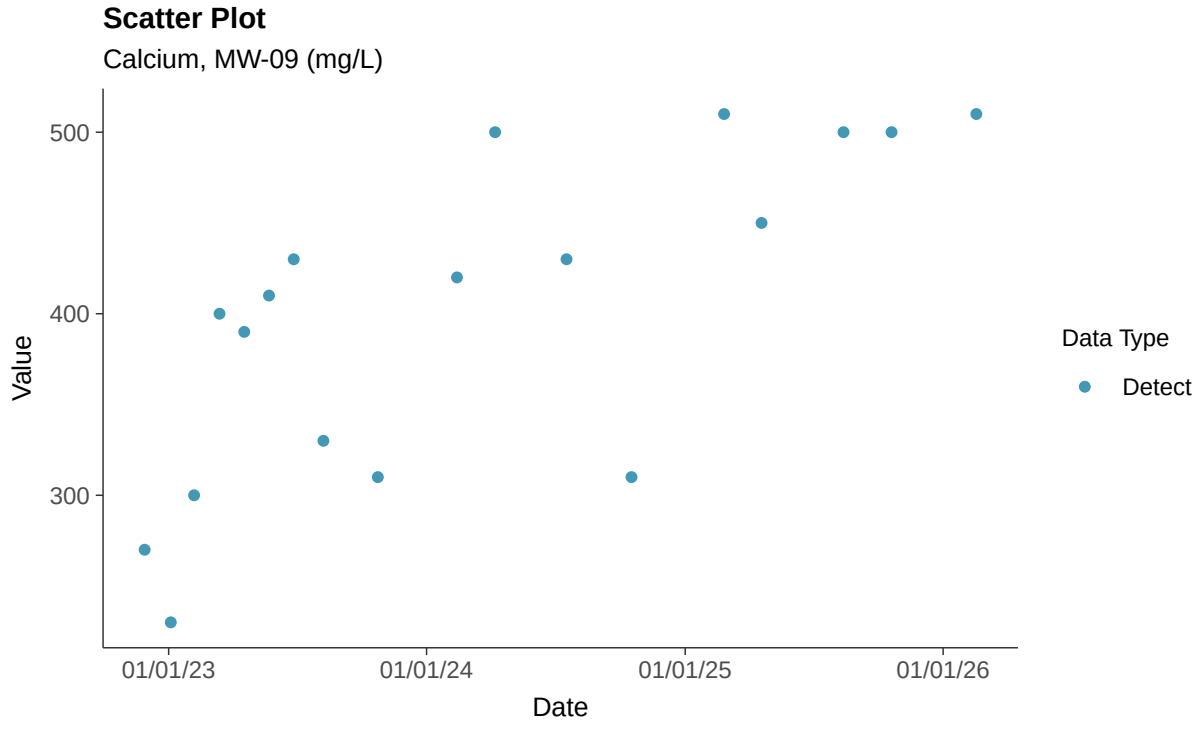
Trend Regression: Piecewise Linear-Linear-Linear

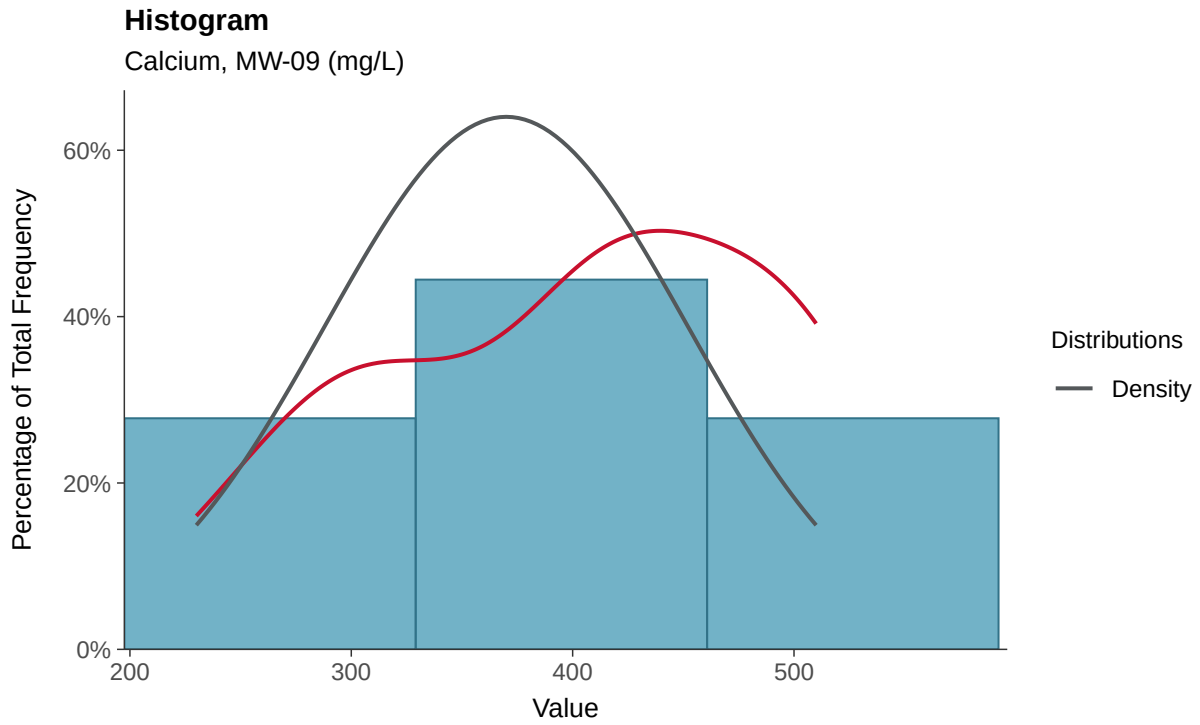
Boron, MW-09 (mg/L)



Appendix III: Calcium, MW-09

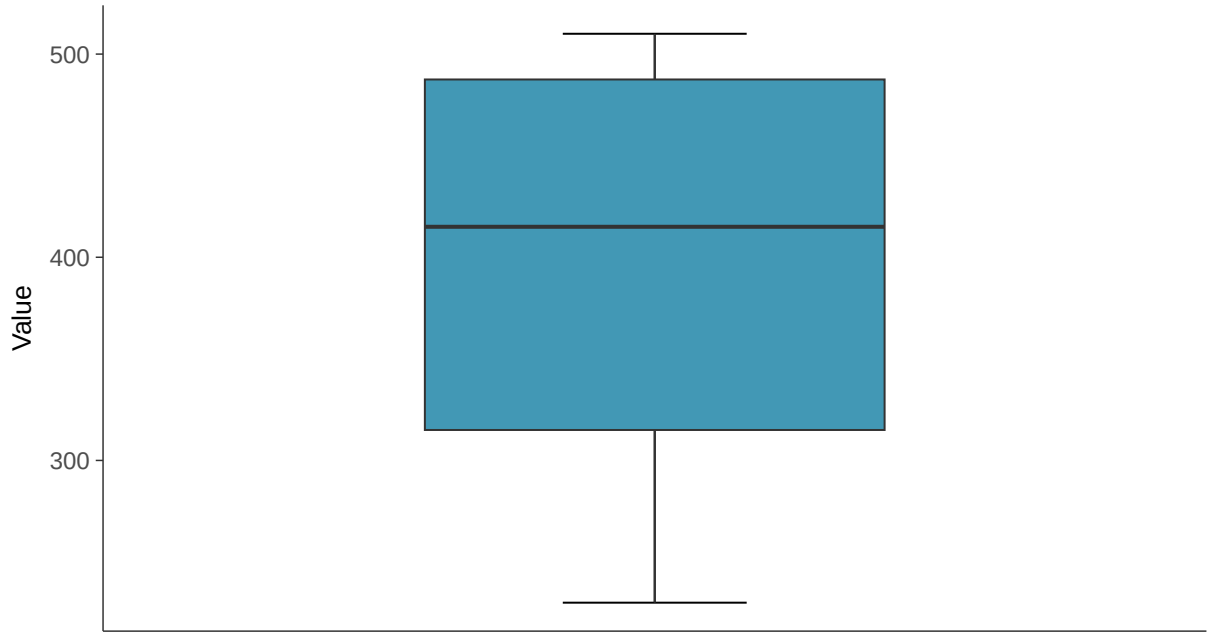
ID: 19_2_3_107





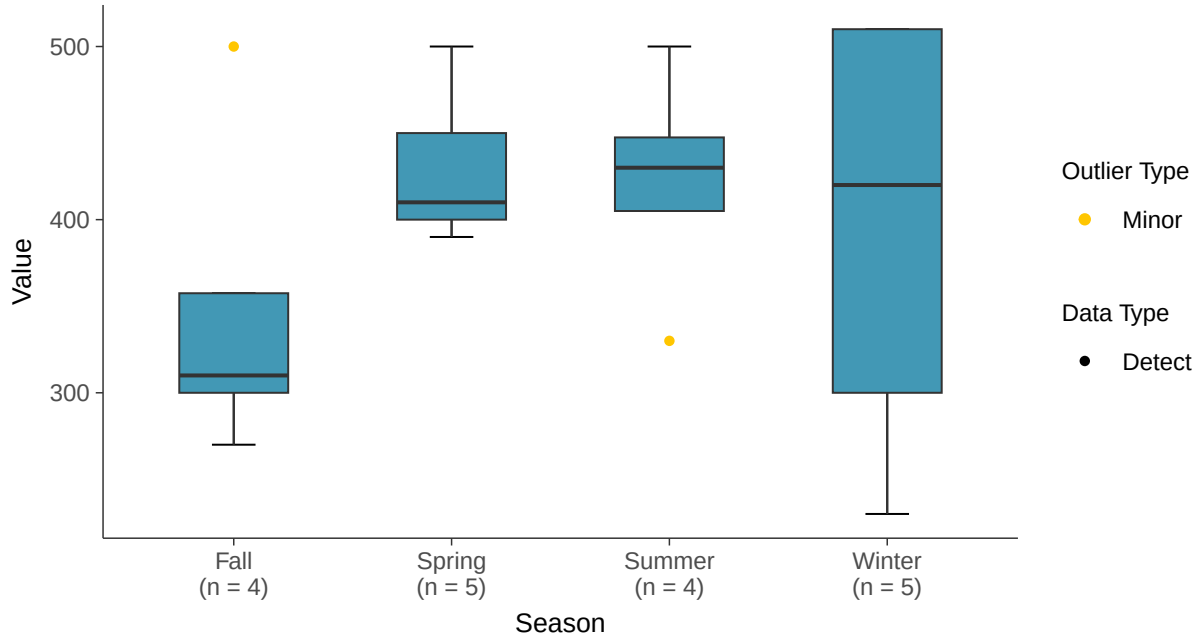
Boxplot

Calcium, MW-09 (mg/L)



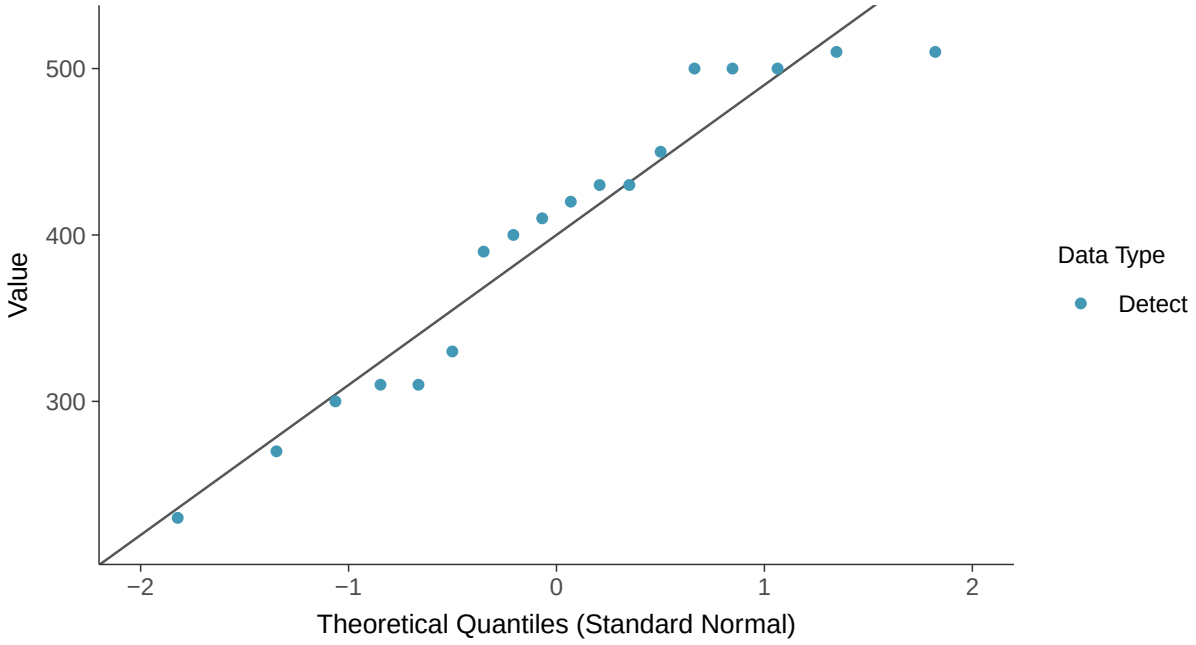
Boxplot by Season

Calcium, MW-09 (mg/L)



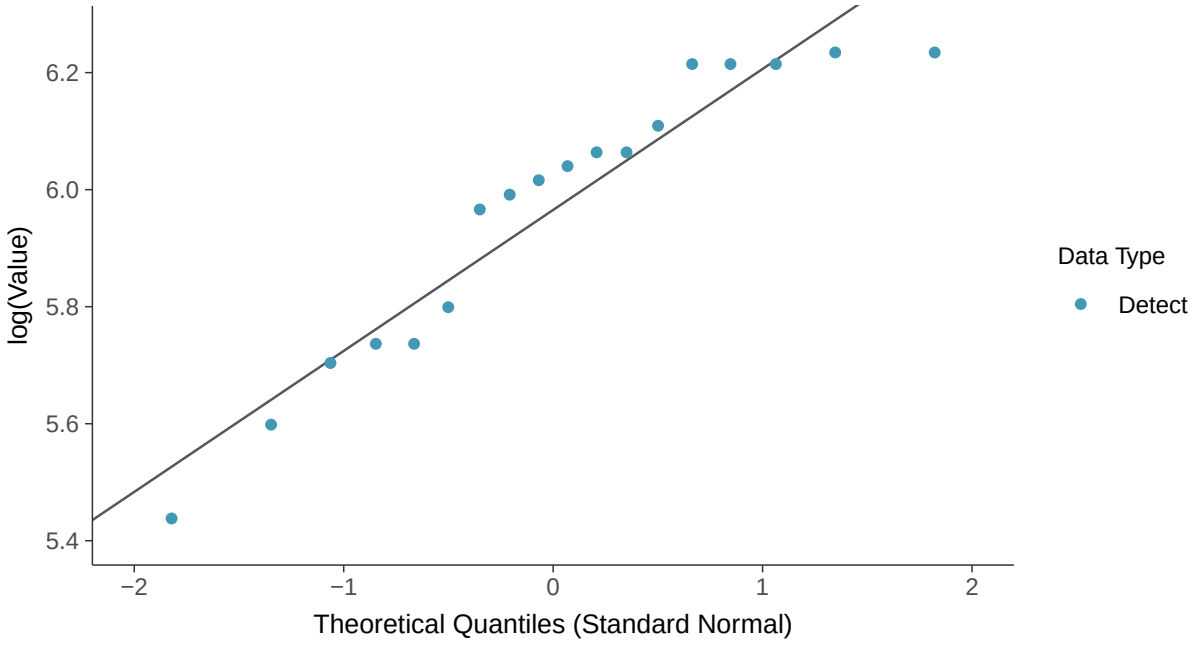
Normal Q-Q plot

Calcium, MW-09 (mg/L)



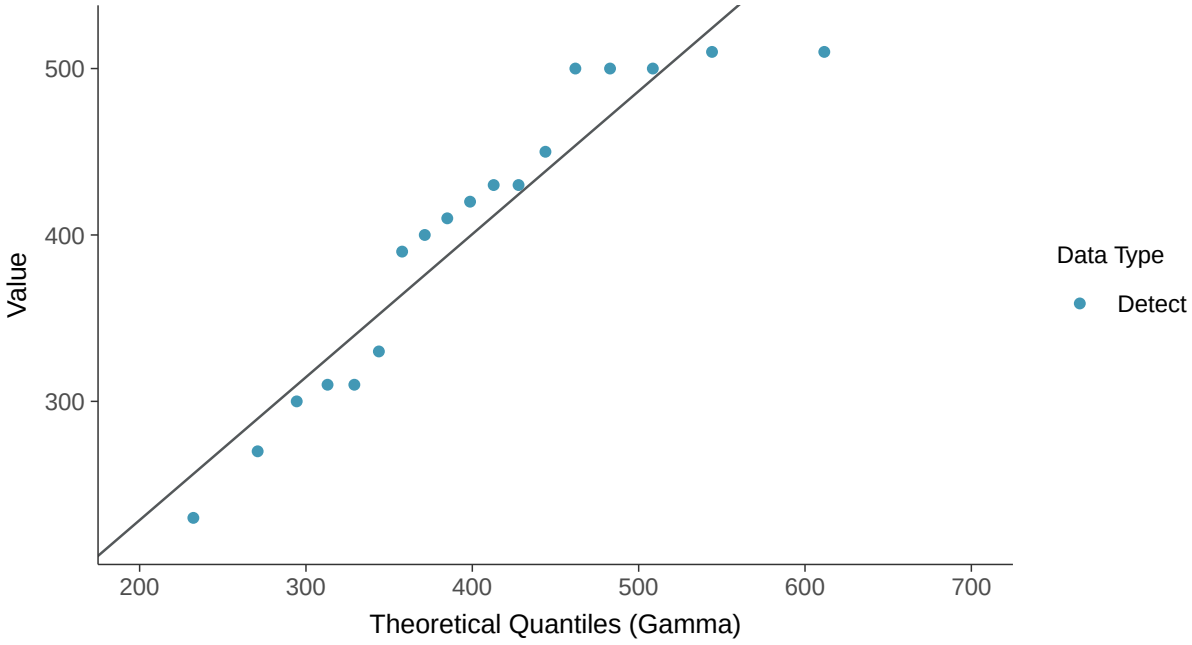
Lognormal Q-Q plot

Calcium, MW-09 (mg/L)



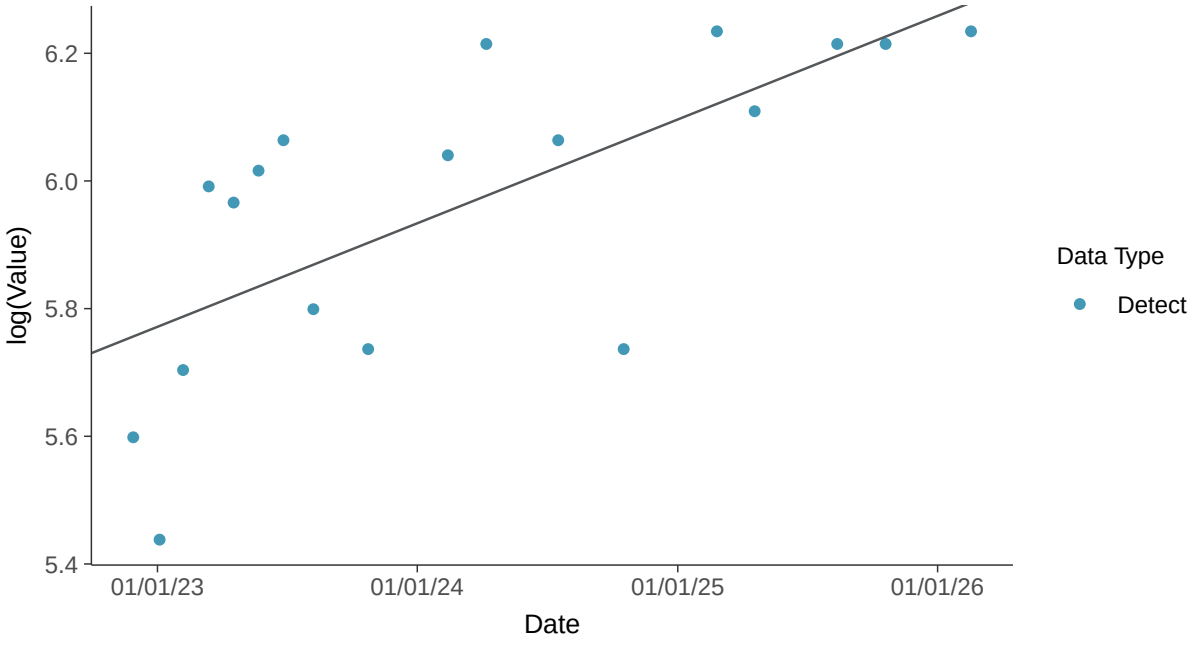
Gamma Q-Q plot

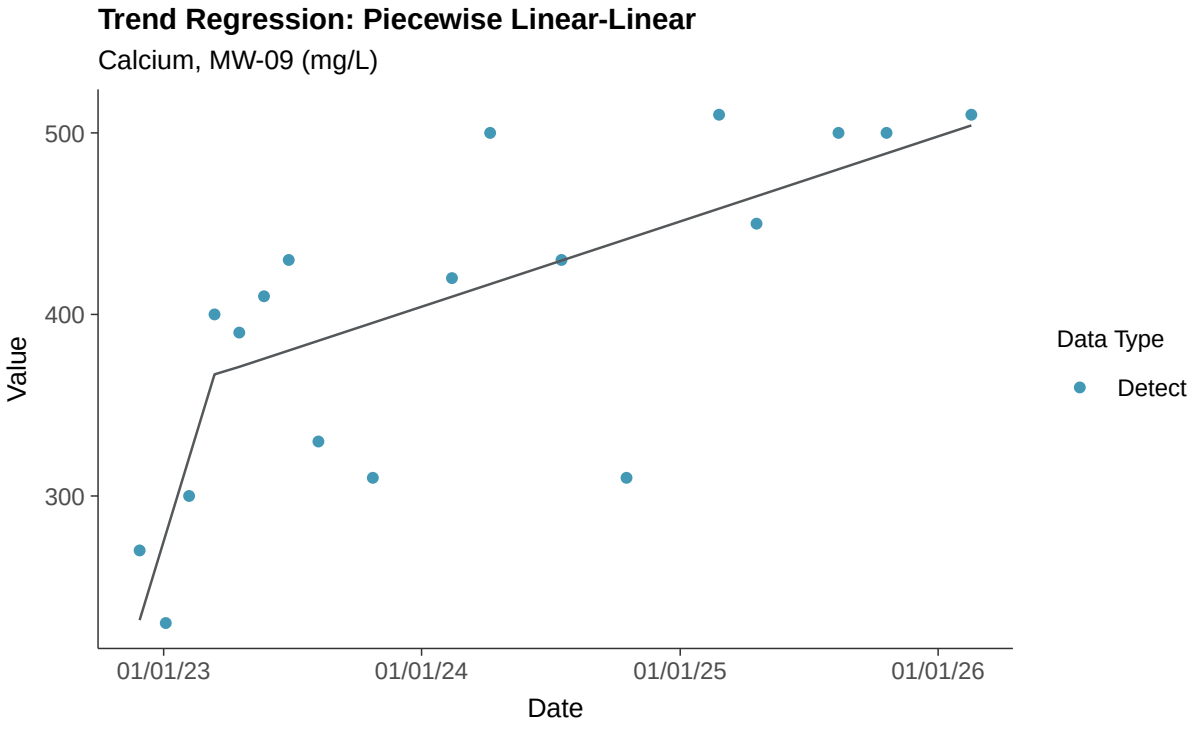
Calcium, MW-09 (mg/L)



Trend Regression: Lognormal MLE

Calcium, MW-09 (mg/L)



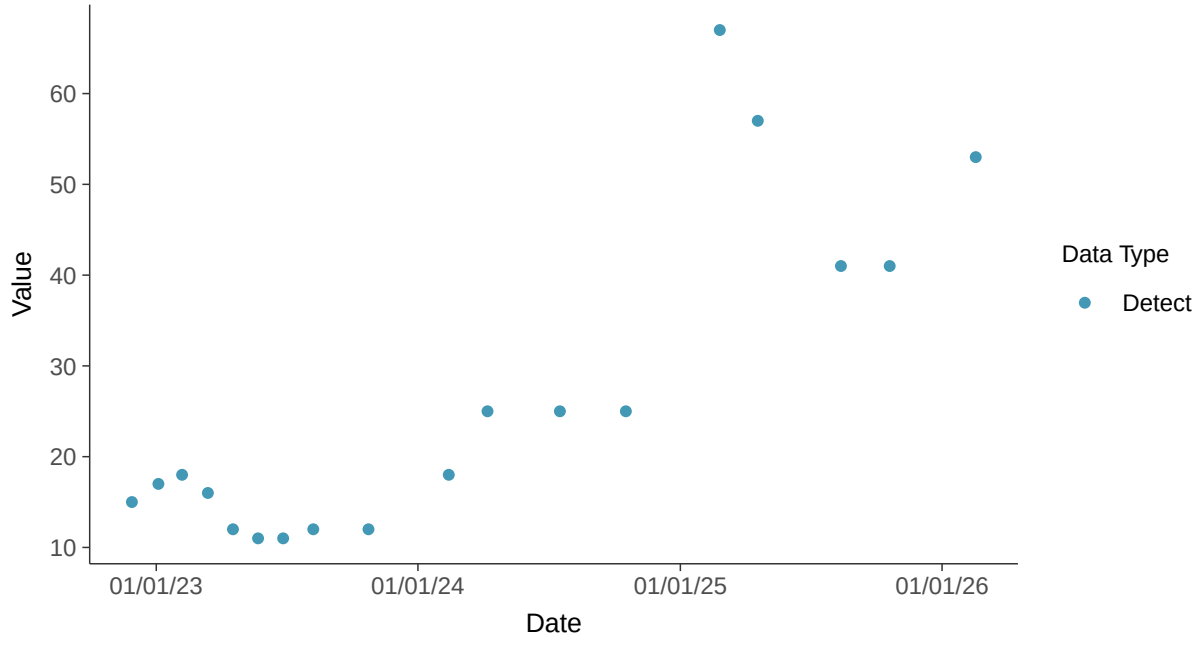

Trend Regression: Piecewise Linear-Linear
Calcium, MW-09 (mg/L)
500
400
300
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Chloride (as Cl), MW-09

ID: 19_2_3_108

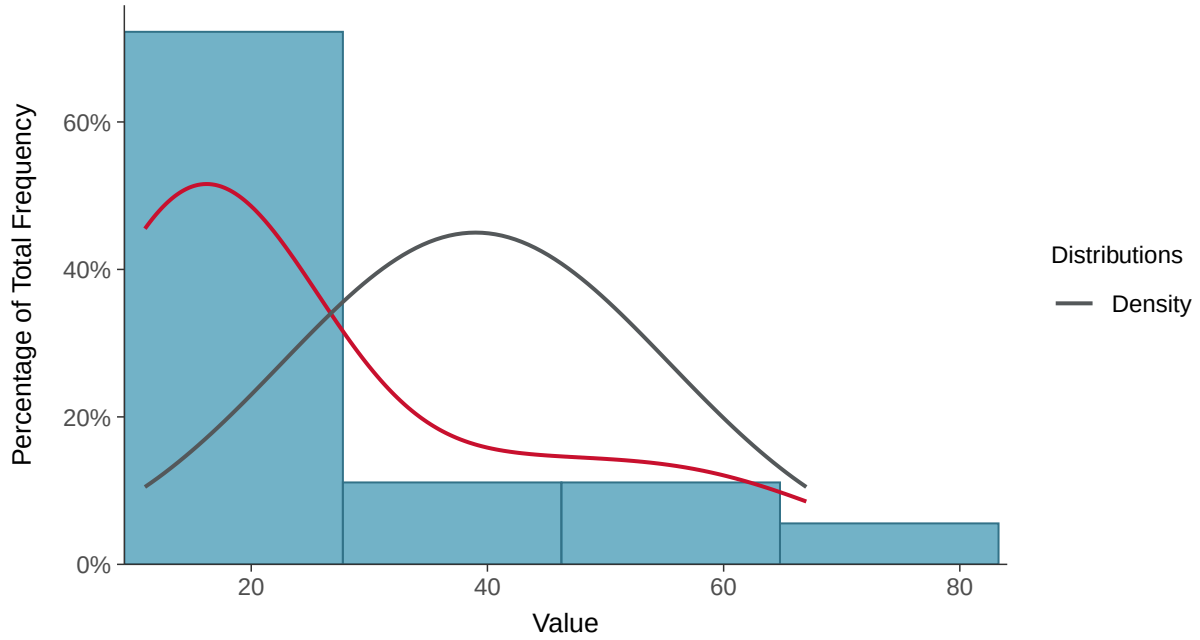
Scatter Plot

Chloride (as Cl), MW-09 (mg/L)



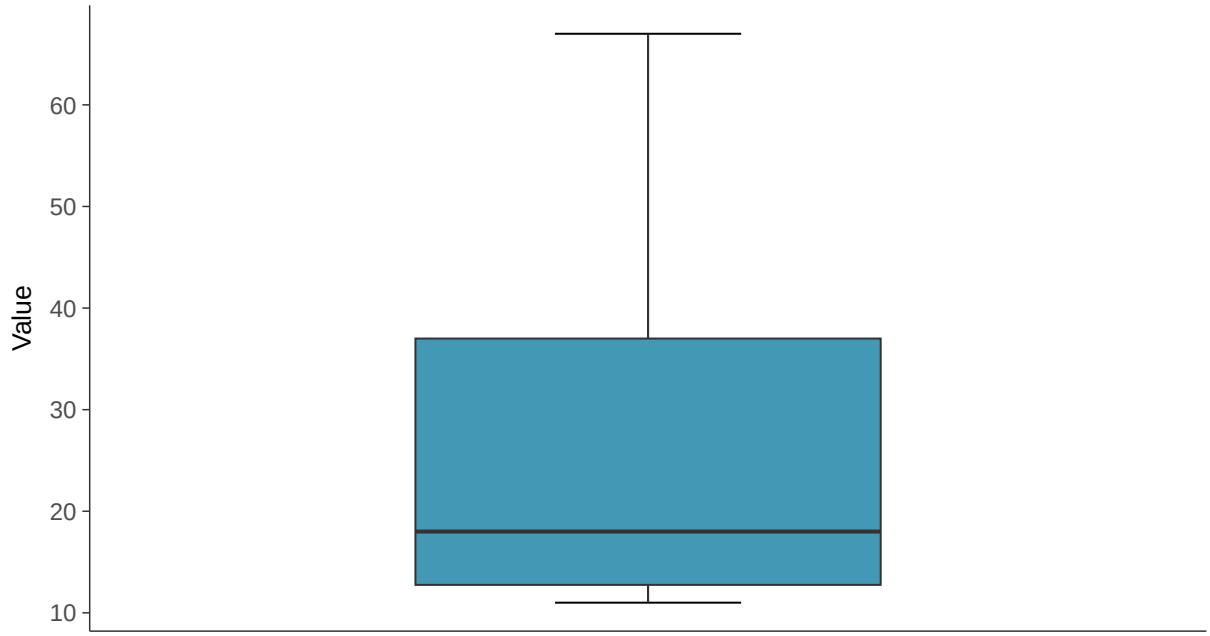
Histogram

Chloride (as Cl), MW-09 (mg/L)



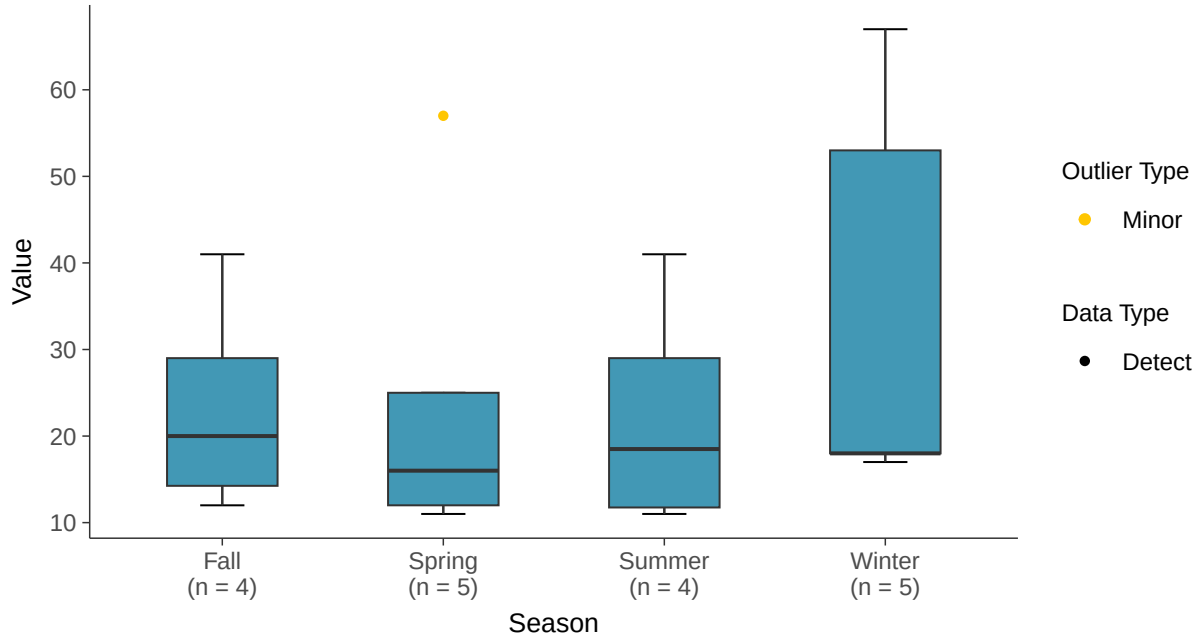
Boxplot

Chloride (as Cl), MW-09 (mg/L)



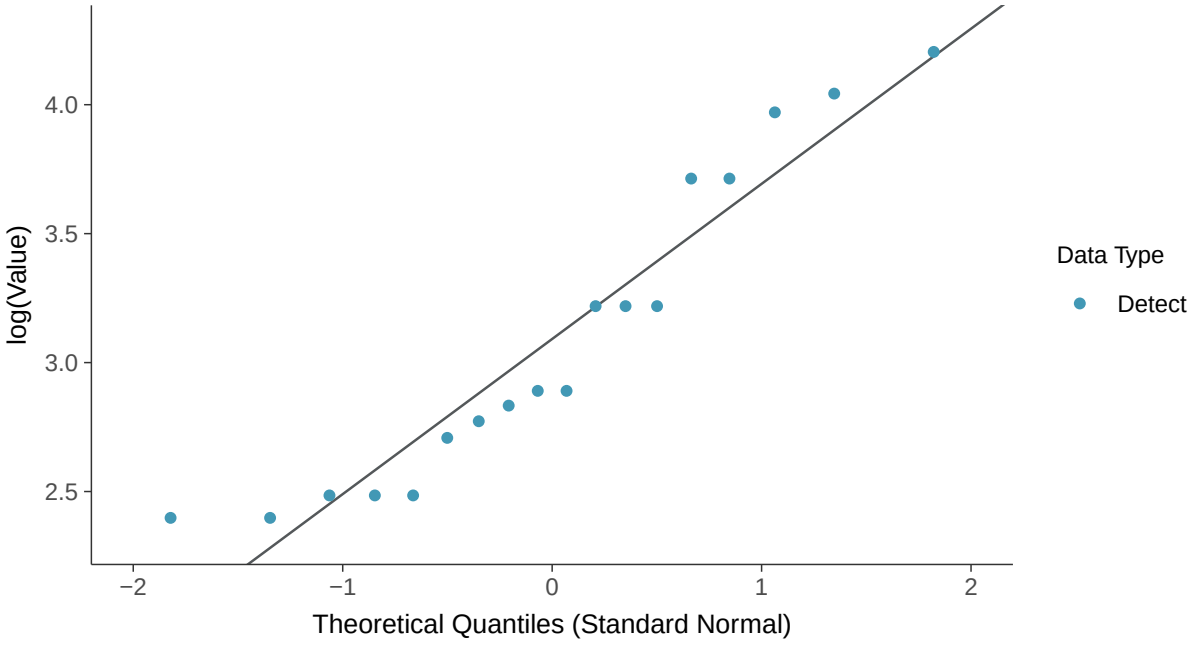
Boxplot by Season

Chloride (as Cl), MW-09 (mg/L)



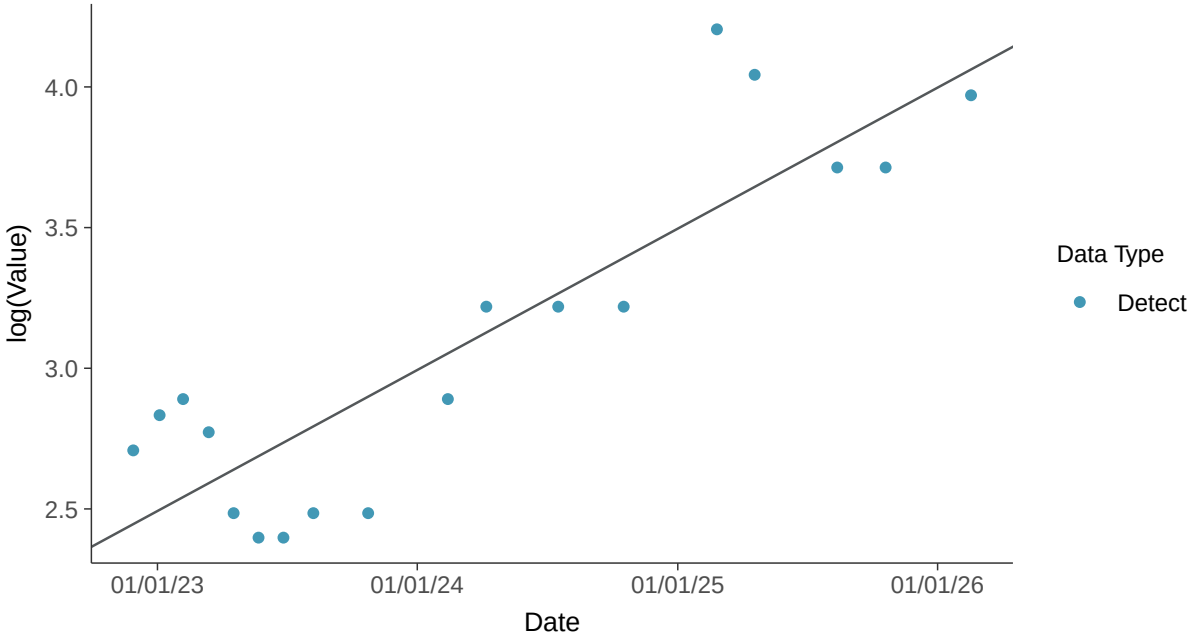
Lognormal Q-Q plot

Chloride (as Cl), MW-09 (mg/L)



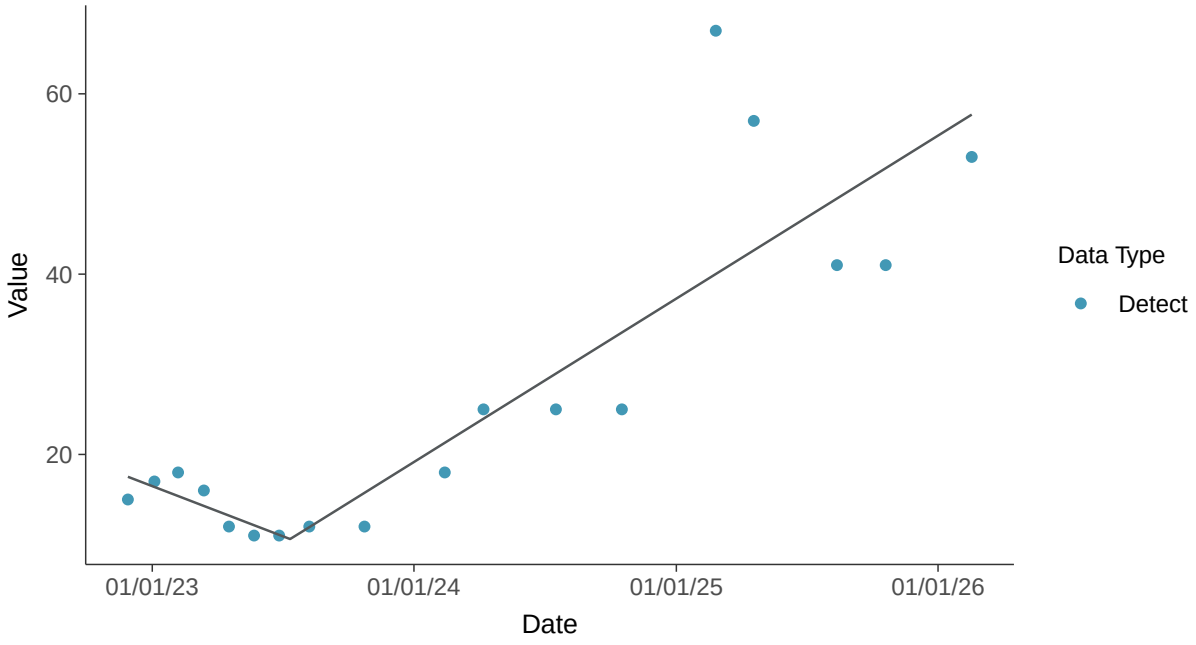
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-09 (mg/L)



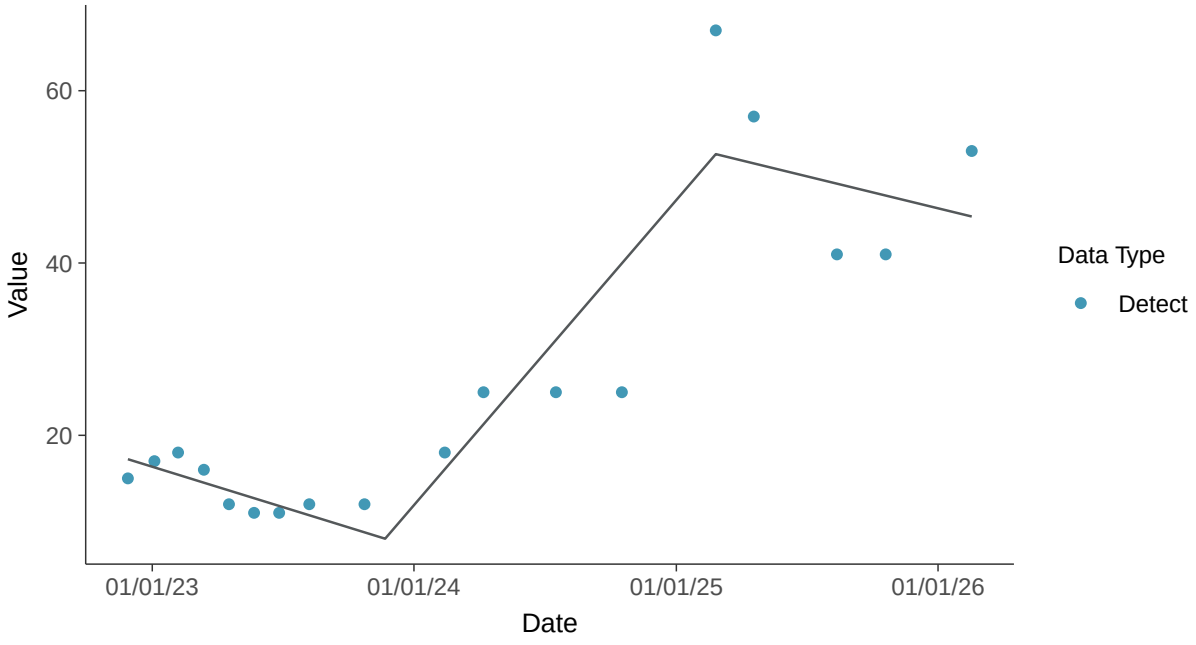
Trend Regression: Piecewise Linear-Linear

Chloride (as Cl), MW-09 (mg/L)



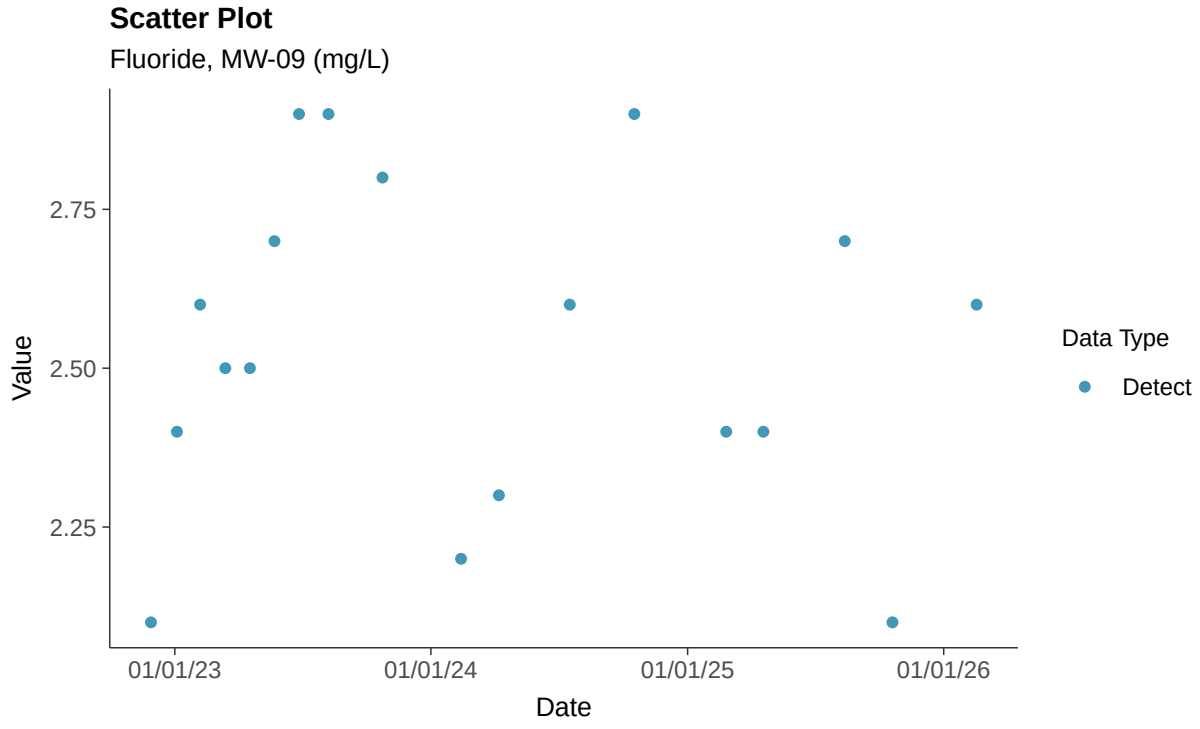
Trend Regression: Piecewise Linear-Linear-Linear

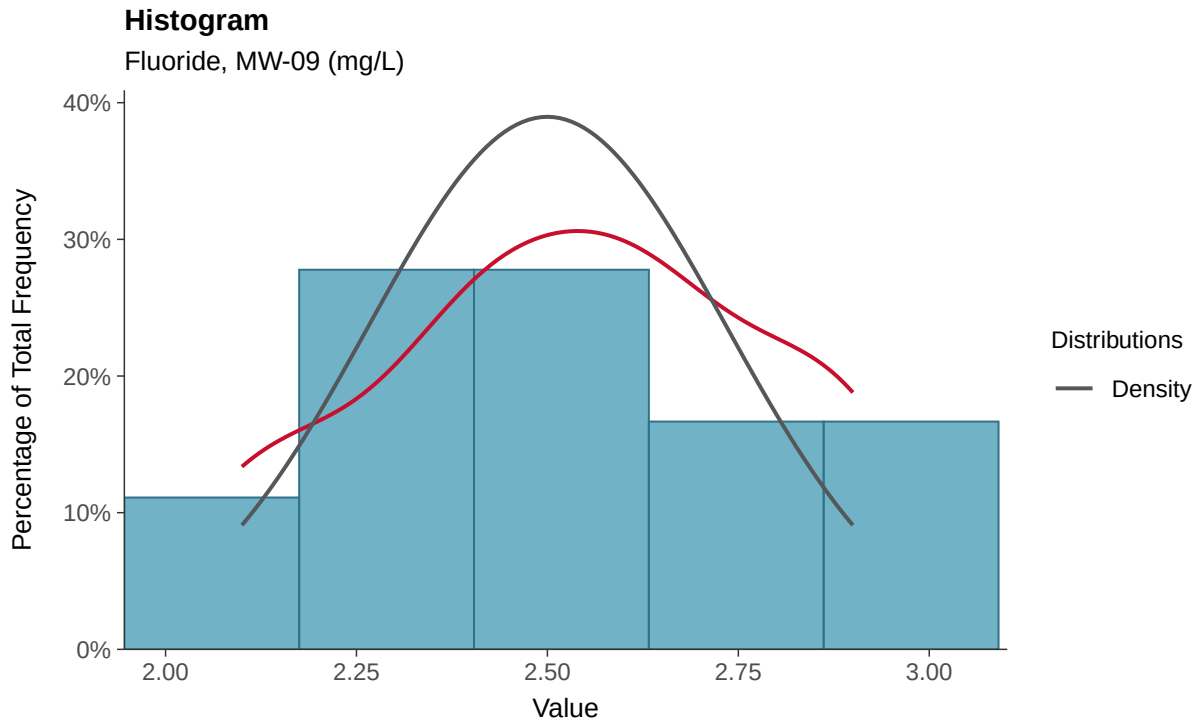
Chloride (as Cl), MW-09 (mg/L)



Appendix III: Fluoride, MW-09

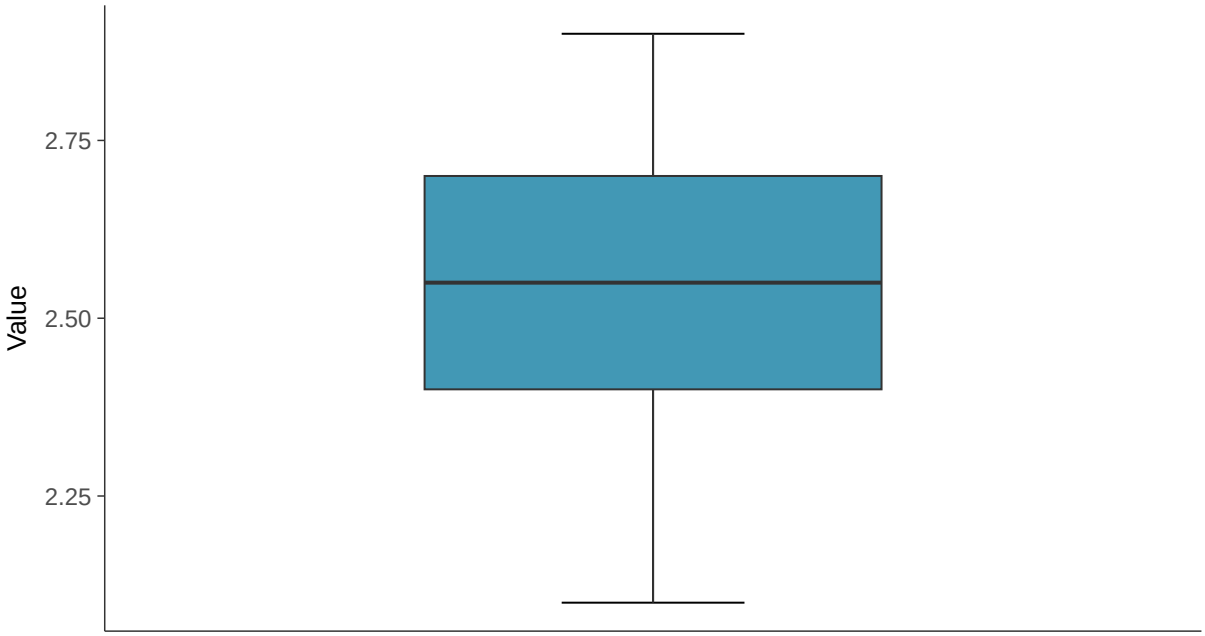
ID: 19_2_3_112





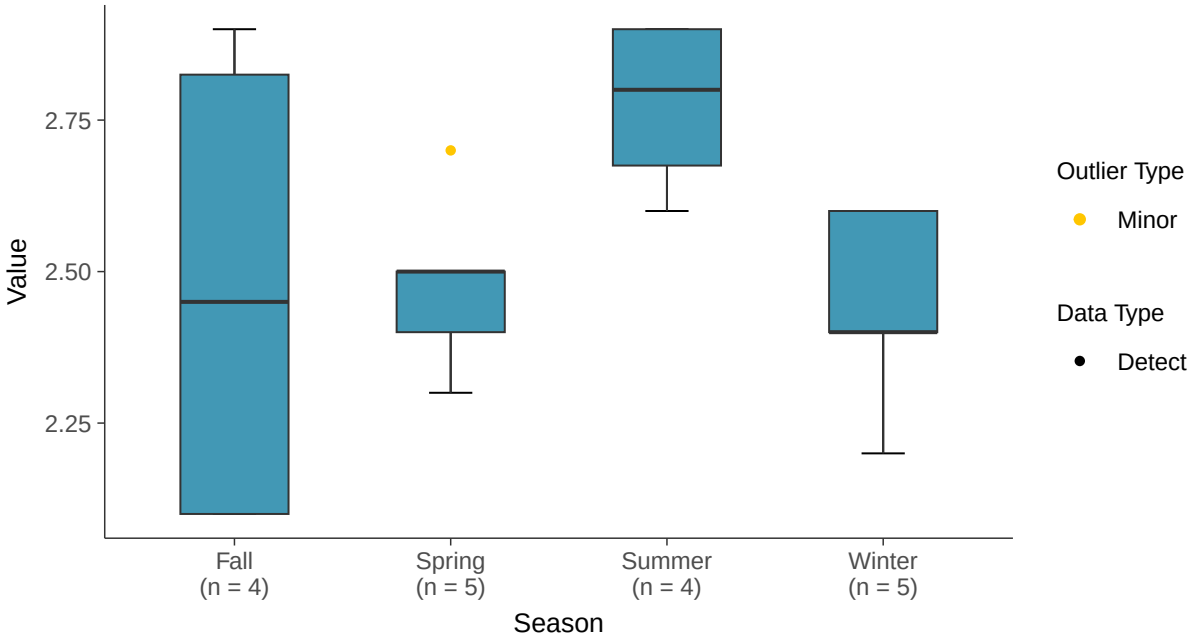
Boxplot

Fluoride, MW-09 (mg/L)



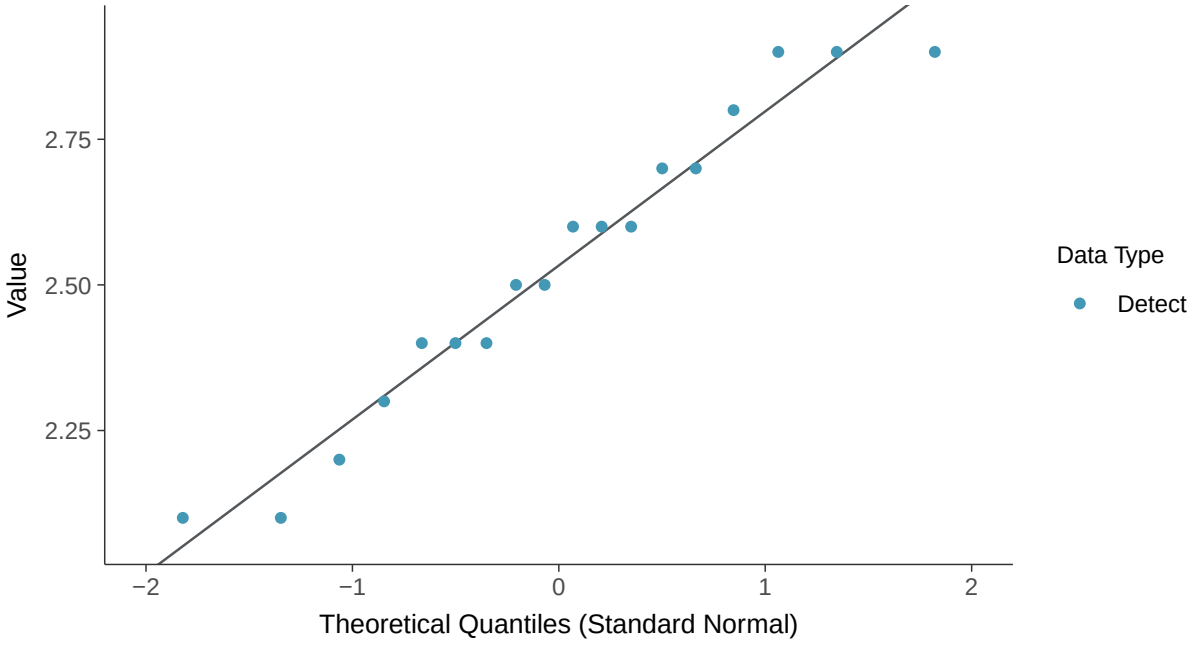
Boxplot by Season

Fluoride, MW-09 (mg/L)



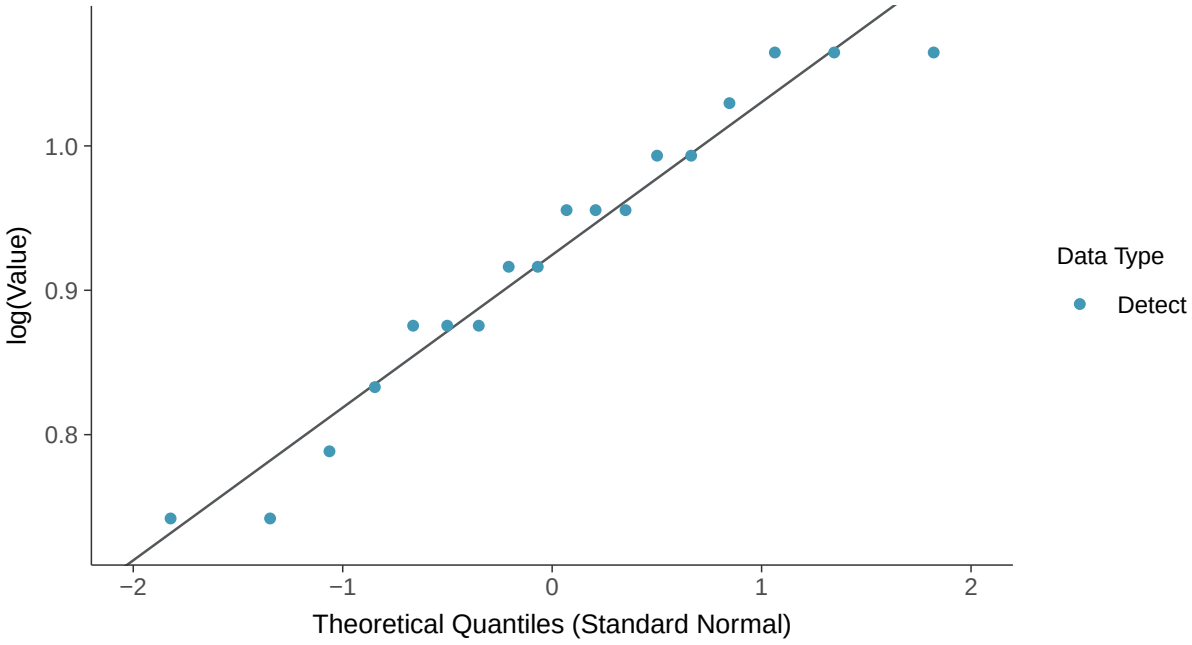
Normal Q-Q plot

Fluoride, MW-09 (mg/L)



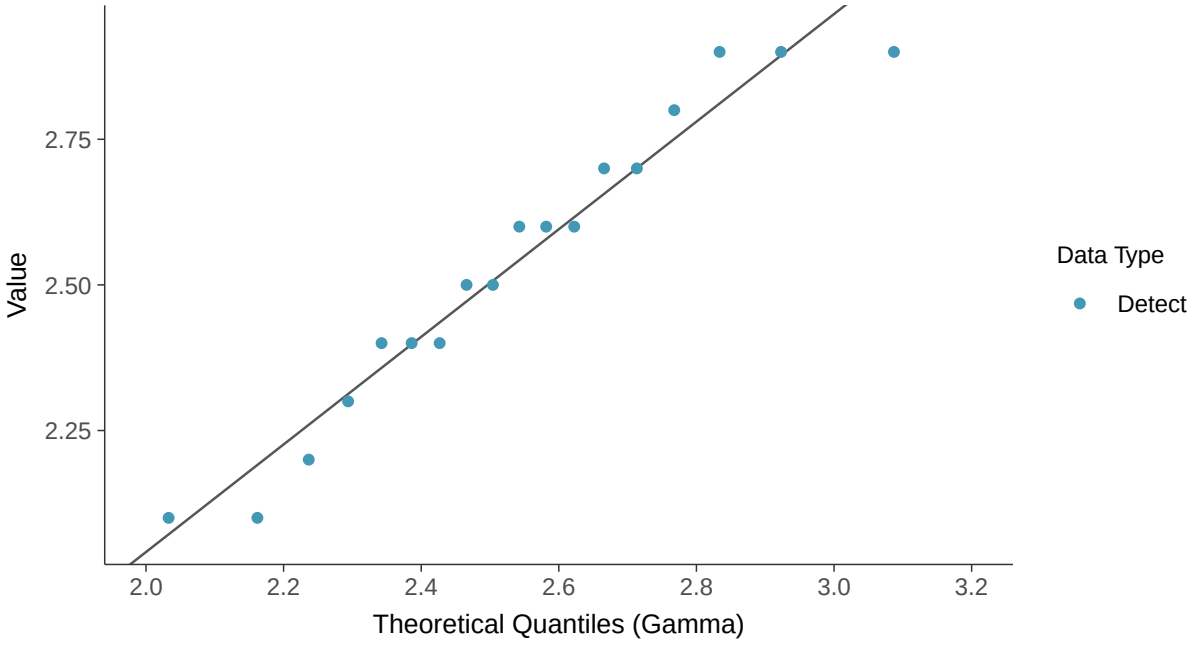
Lognormal Q-Q plot

Fluoride, MW-09 (mg/L)



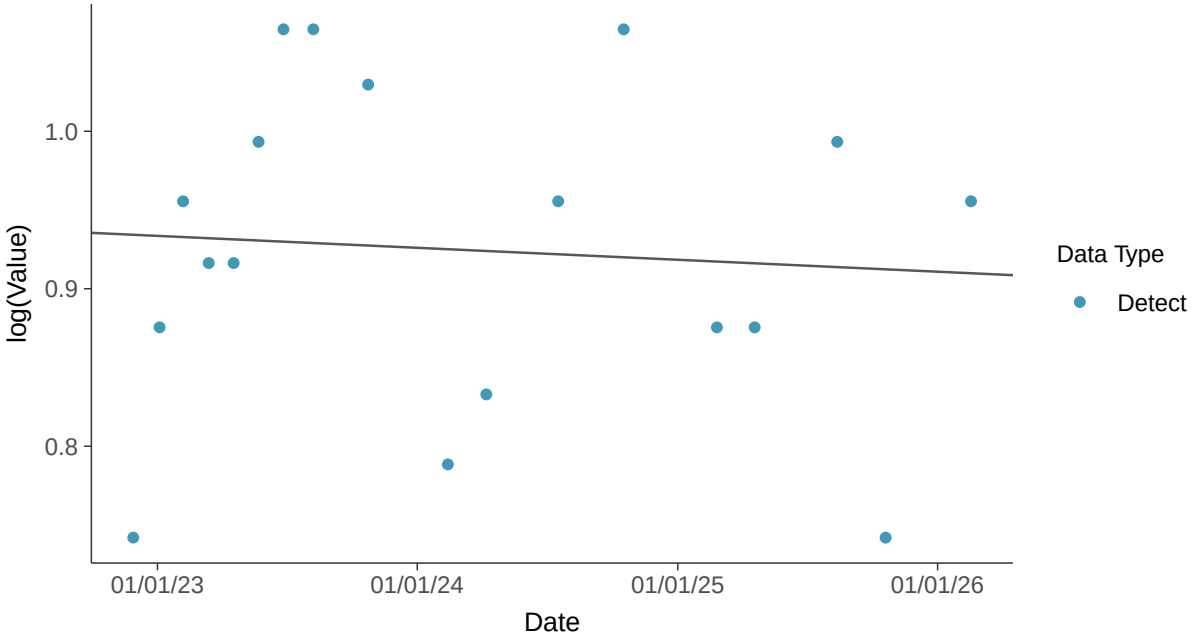
Gamma Q-Q plot

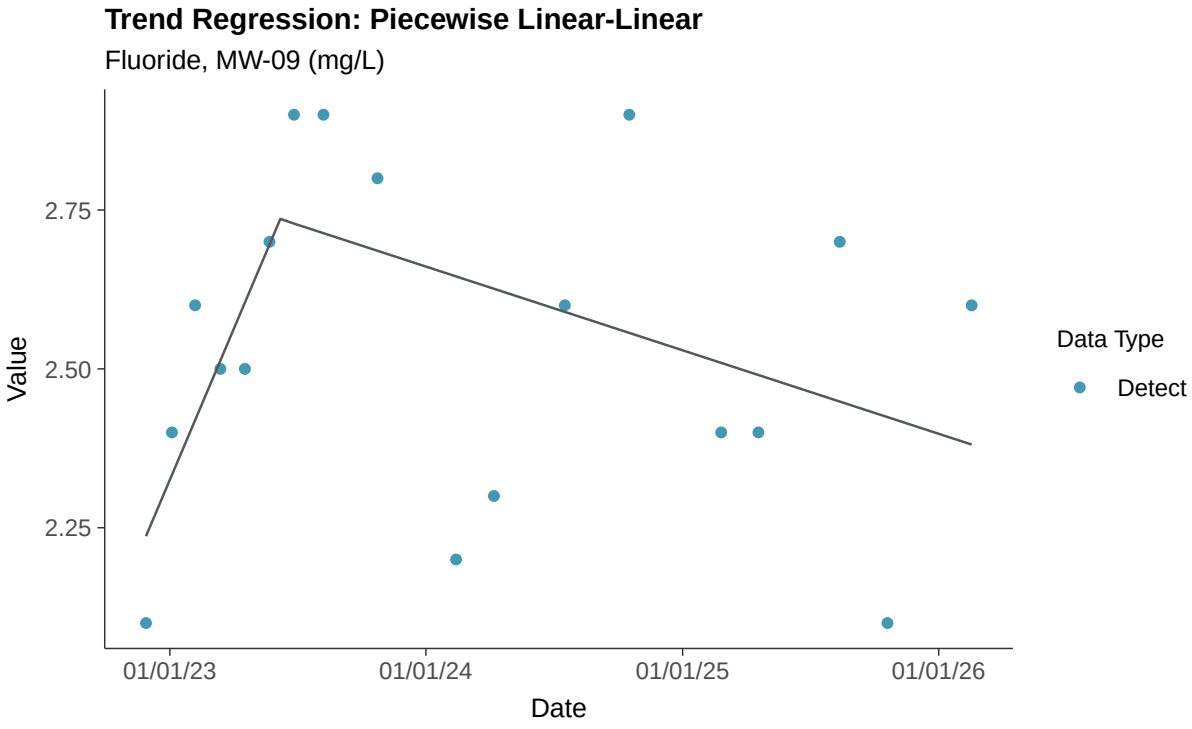
Fluoride, MW-09 (mg/L)



Trend Regression: Lognormal MLE

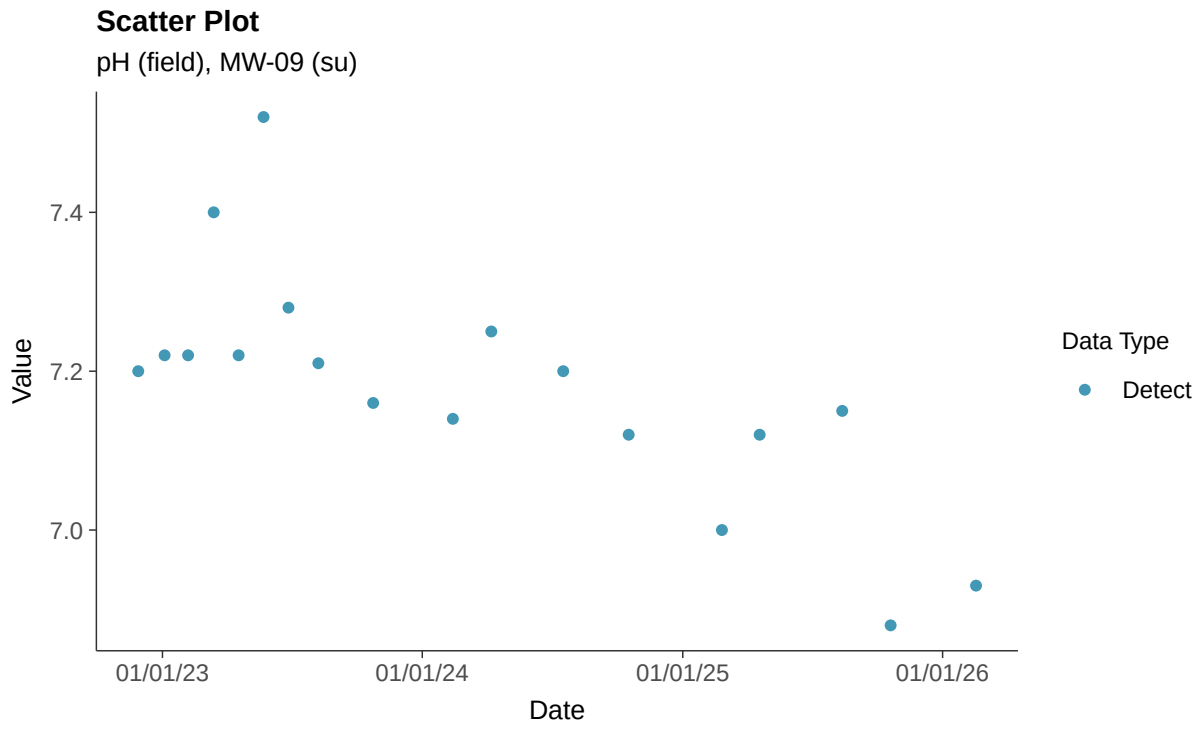
Fluoride, MW-09 (mg/L)

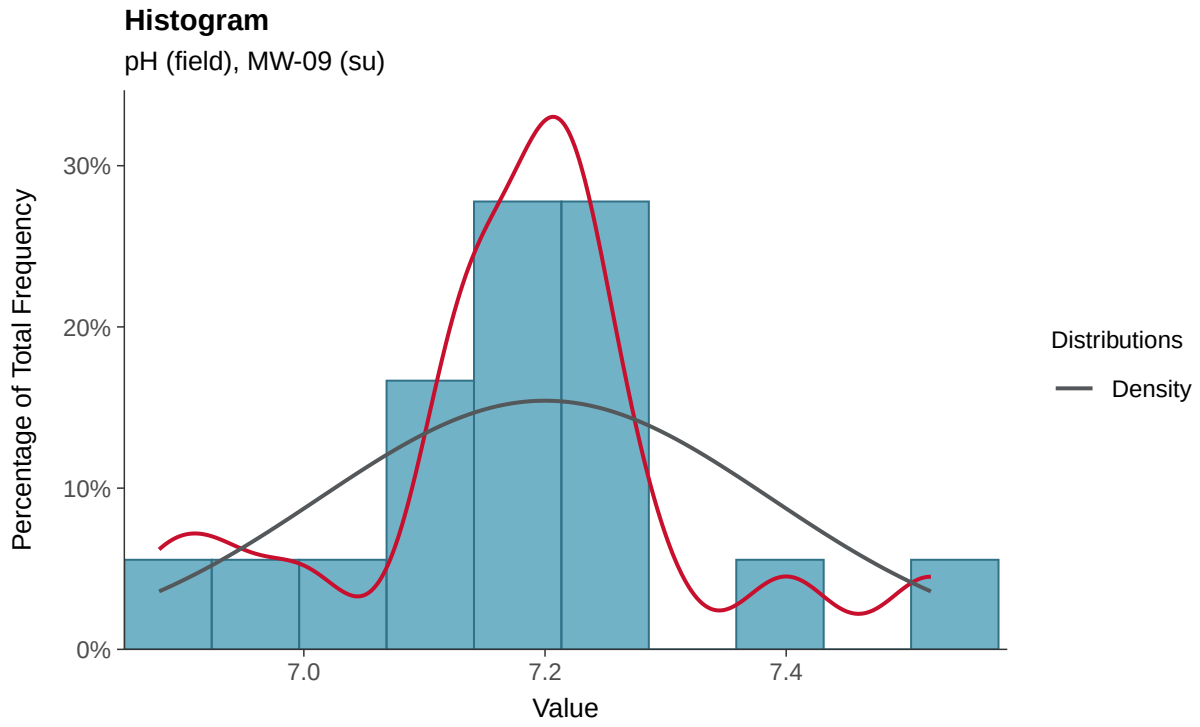



Trend Regression: Piecewise Linear-Linear
Fluoride, MW-09 (mg/L)
Value
2.75
2.50
2.25
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: pH (field), MW-09

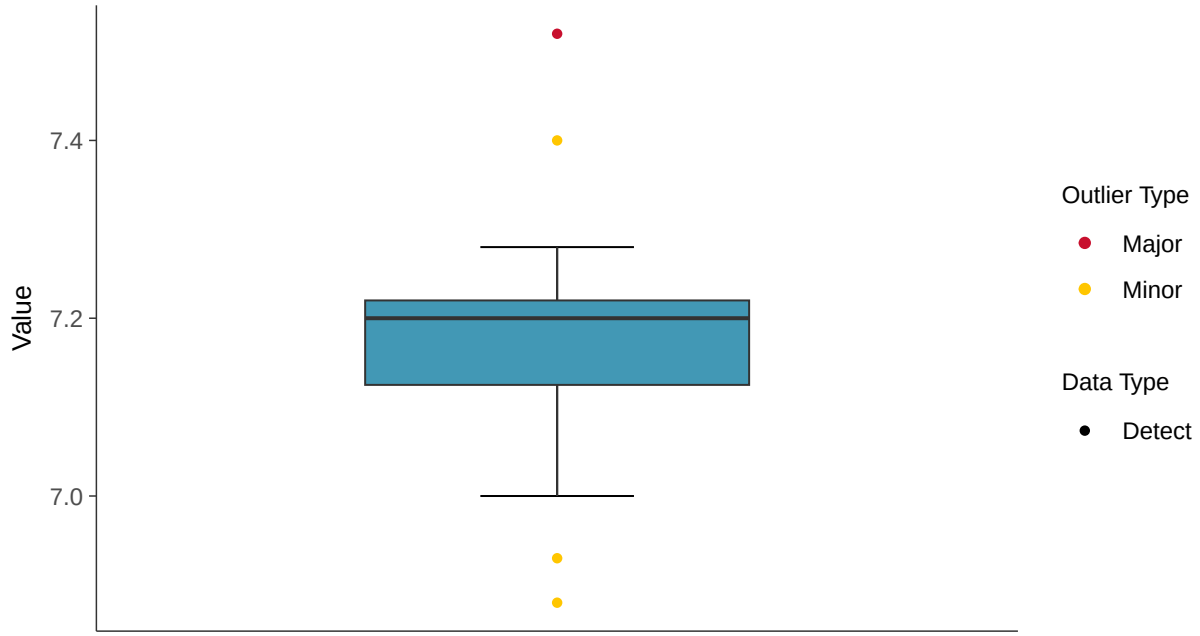
ID: 19_2_3_120





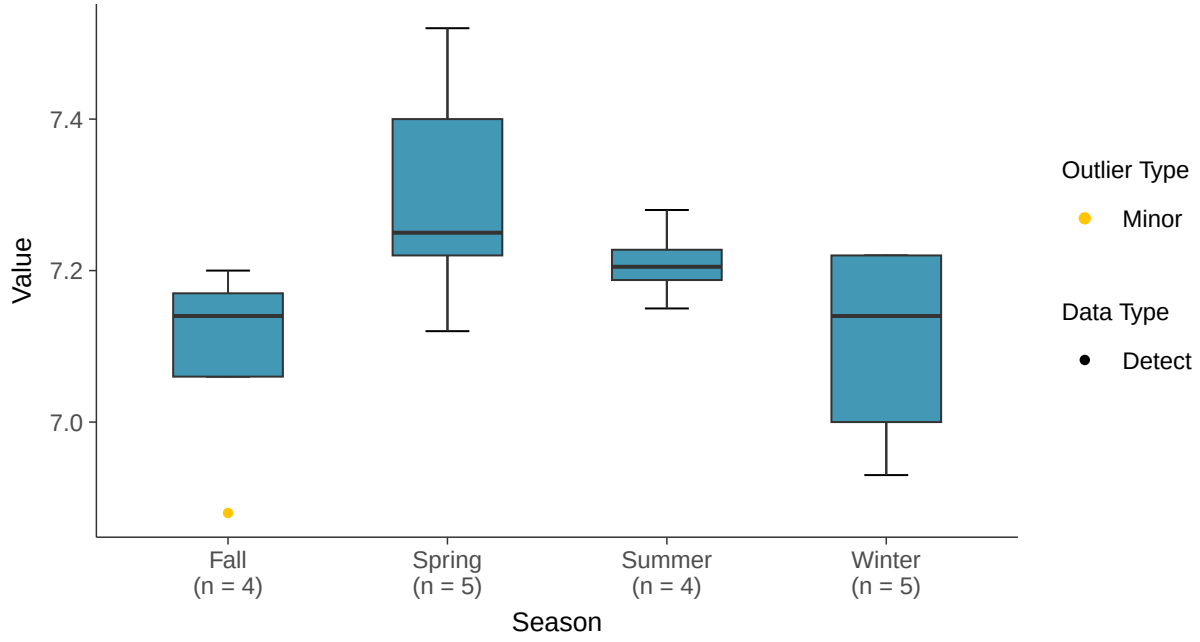
Boxplot

pH (field), MW-09 (su)



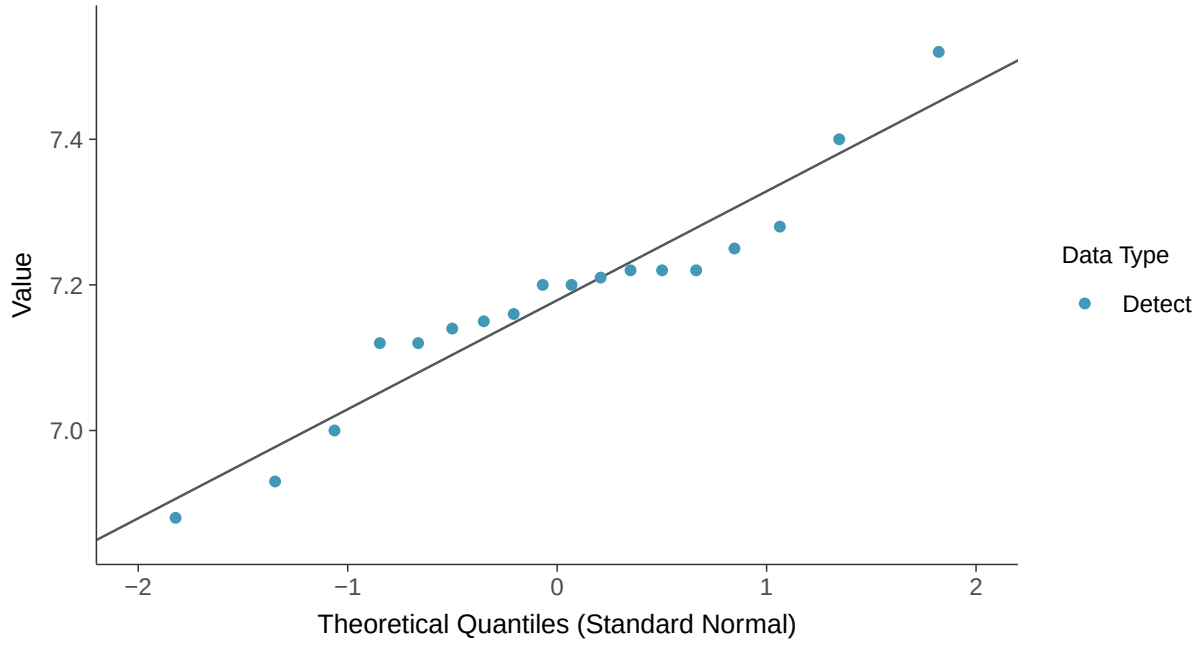
Boxplot by Season

pH (field), MW-09 (su)



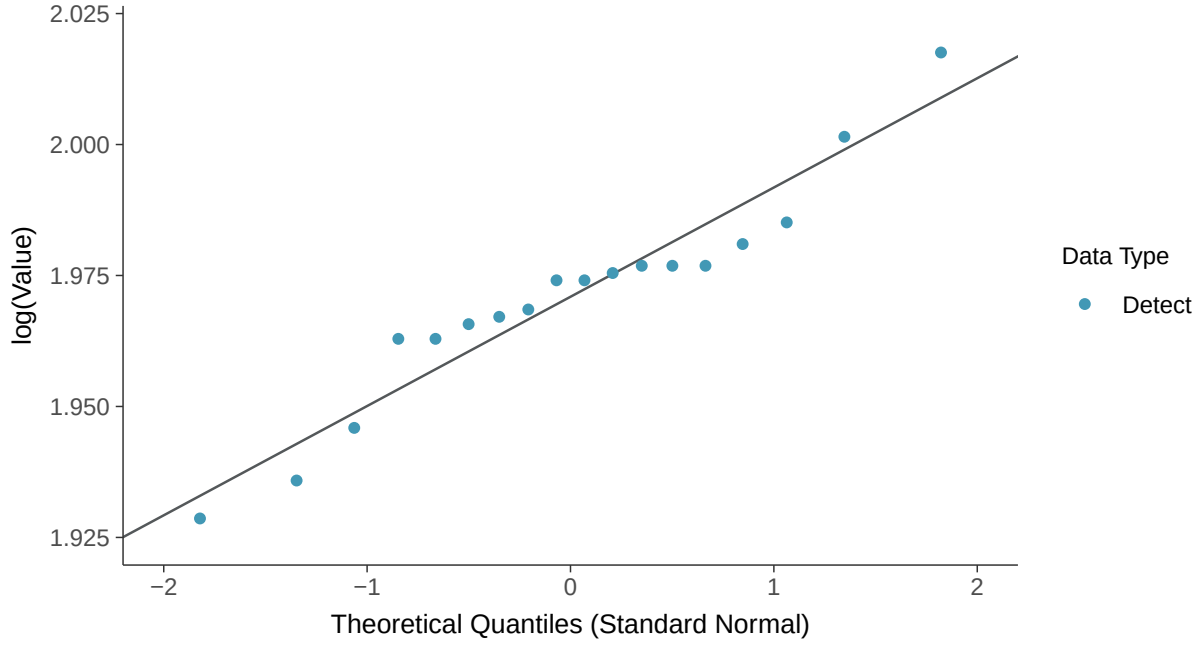
Normal Q-Q plot

pH (field), MW-09 (su)



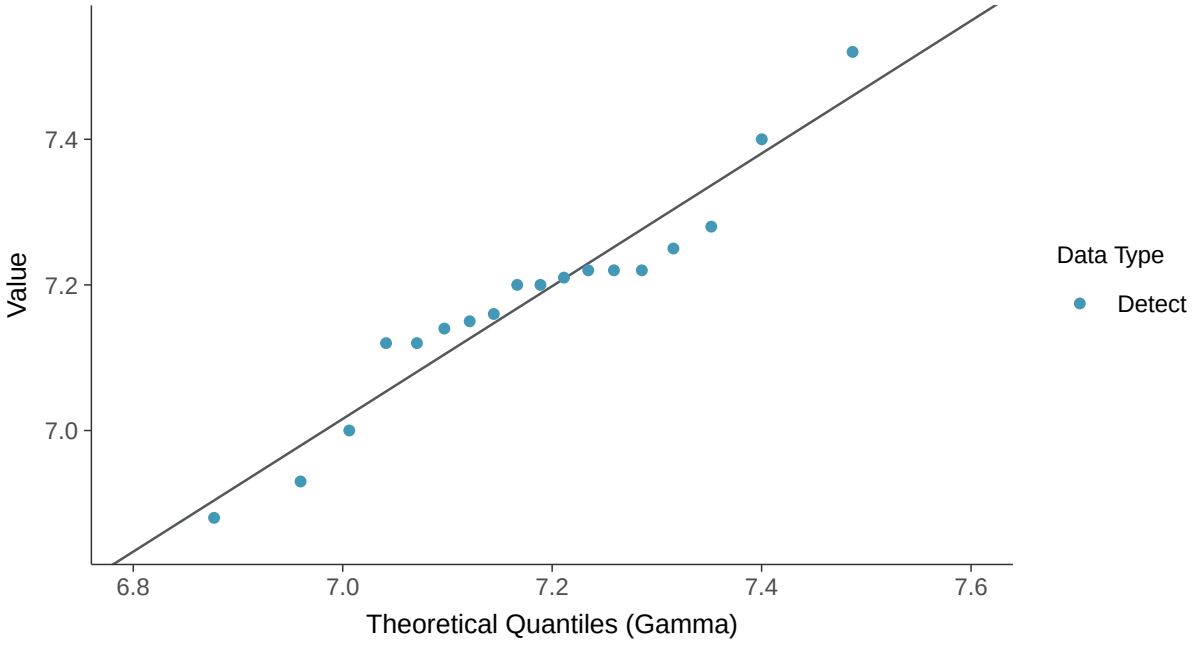
Lognormal Q-Q plot

pH (field), MW-09 (su)



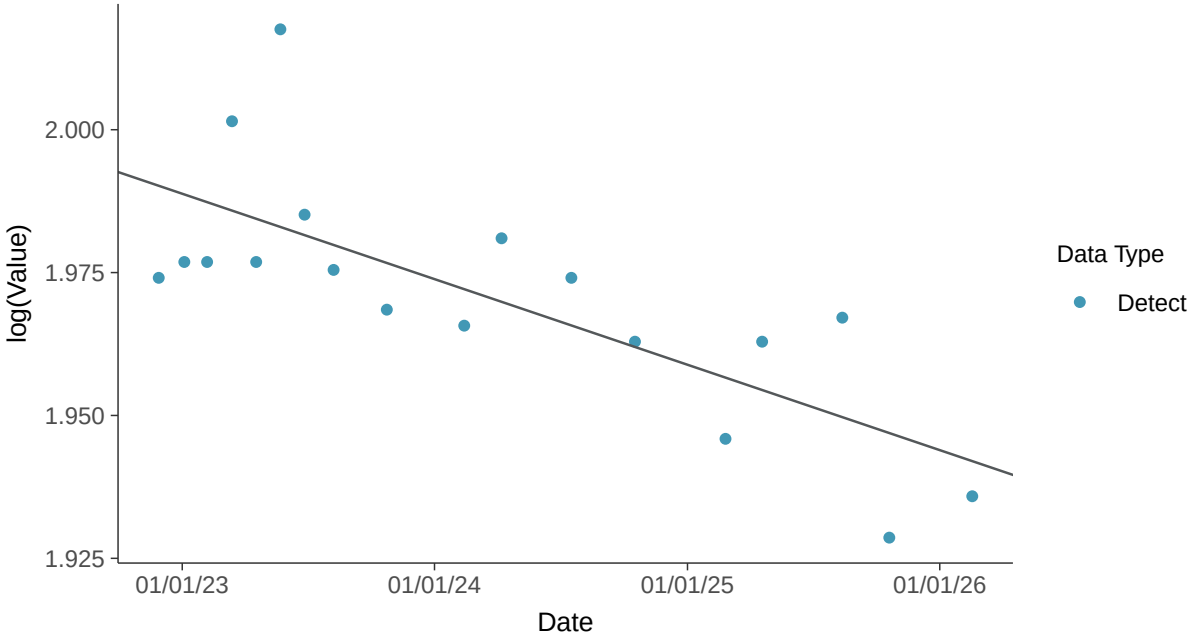
Gamma Q-Q plot

pH (field), MW-09 (su)



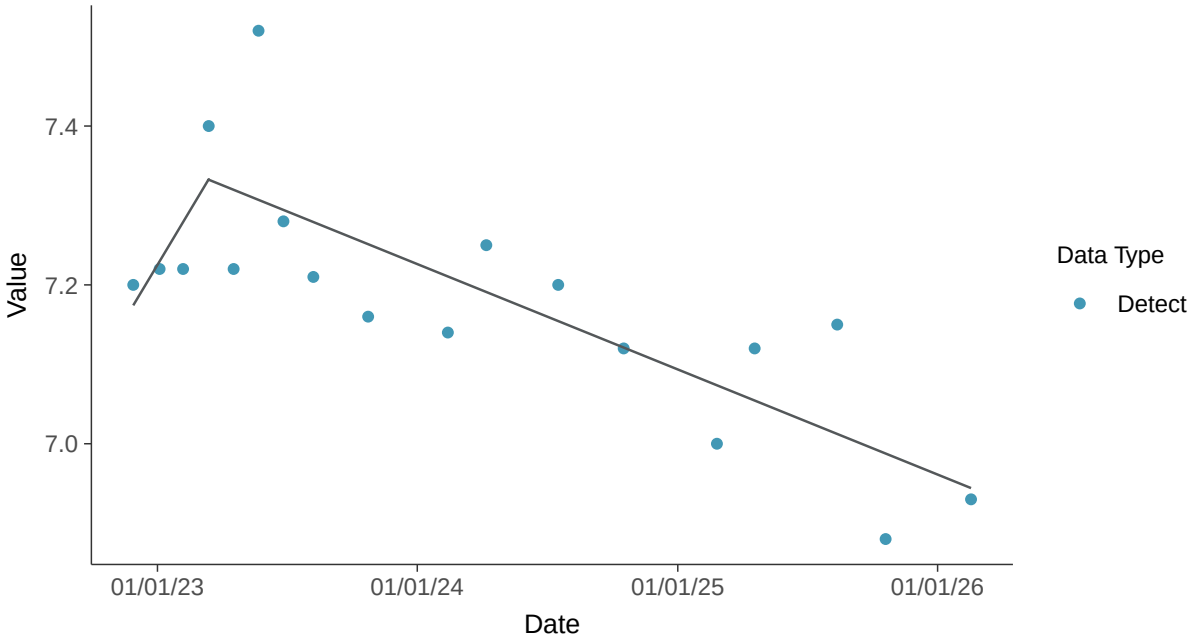
Trend Regression: Lognormal MLE

pH (field), MW-09 (su)



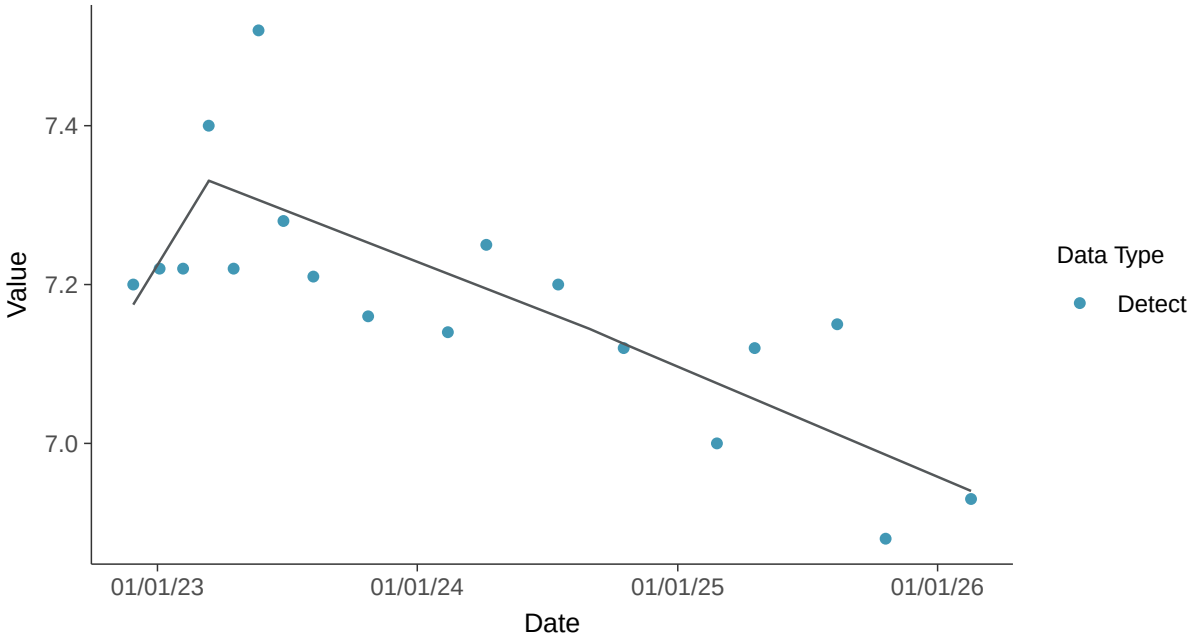
Trend Regression: Piecewise Linear-Linear

pH (field), MW-09 (su)



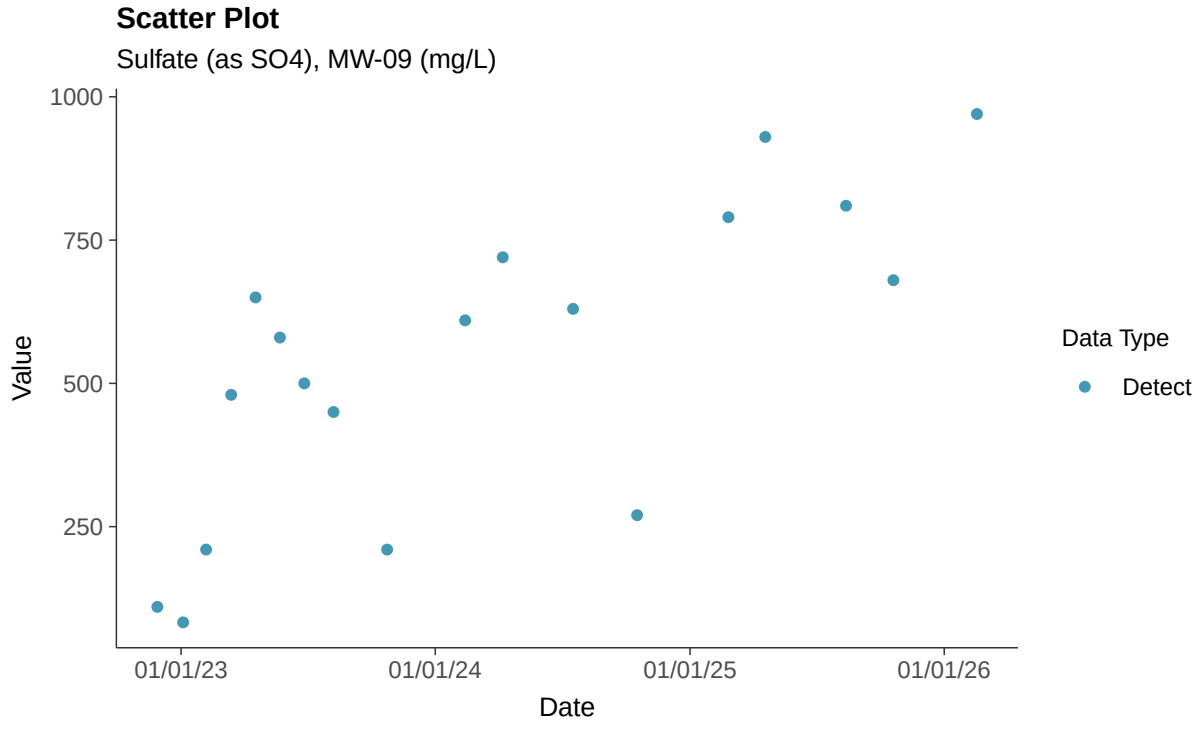
Trend Regression: Piecewise Linear-Linear-Linear

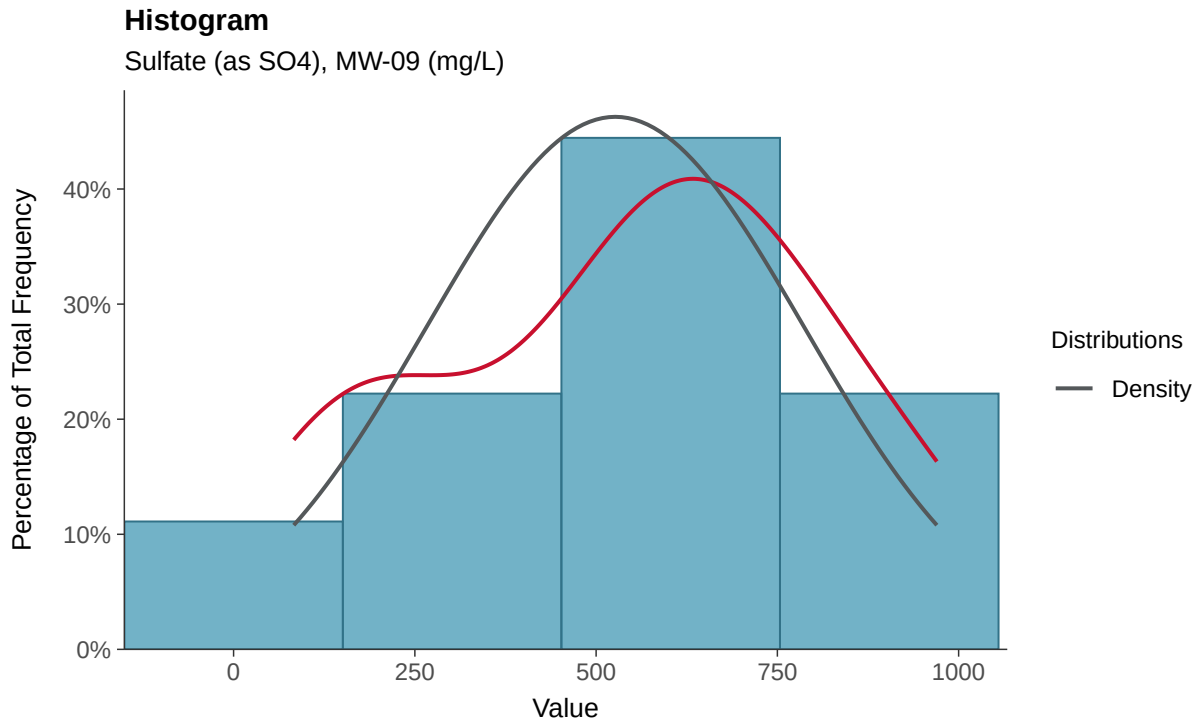
pH (field), MW-09 (su)



Appendix III: Sulfate (as SO4), MW-09

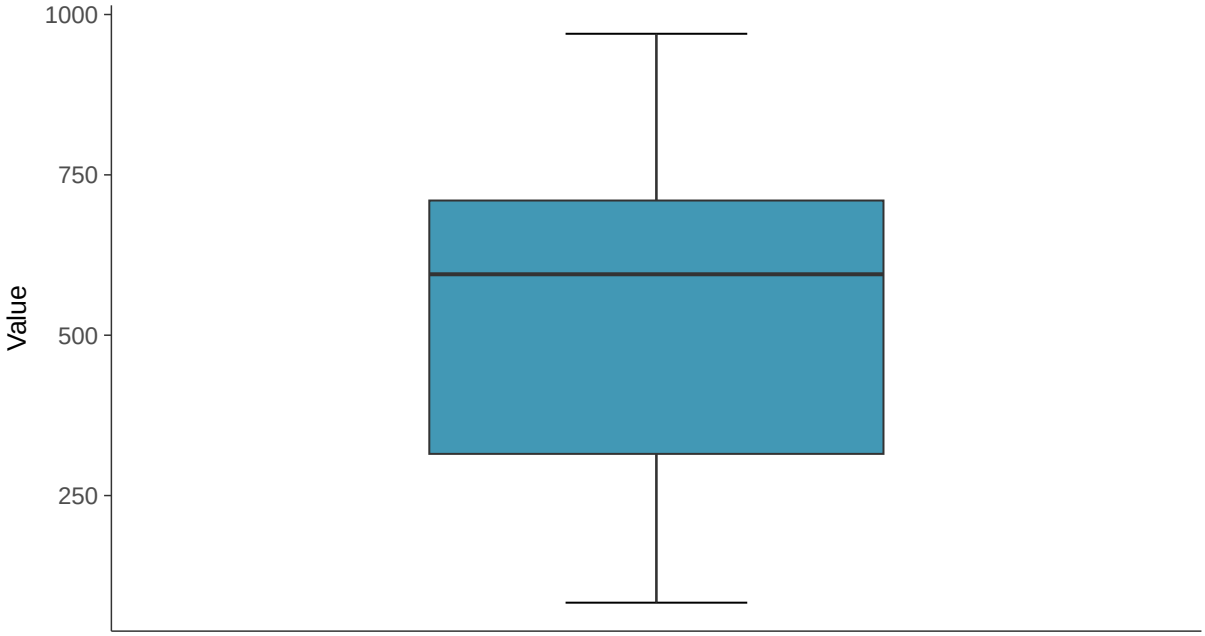
ID: 19_2_3_124





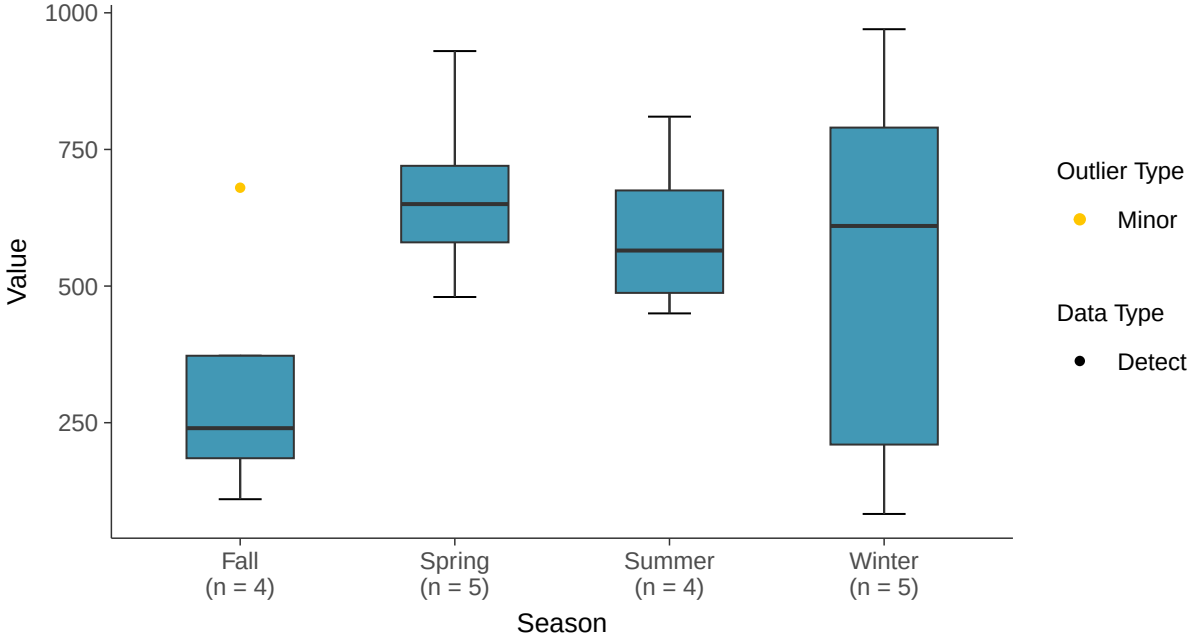
Boxplot

Sulfate (as SO4), MW-09 (mg/L)



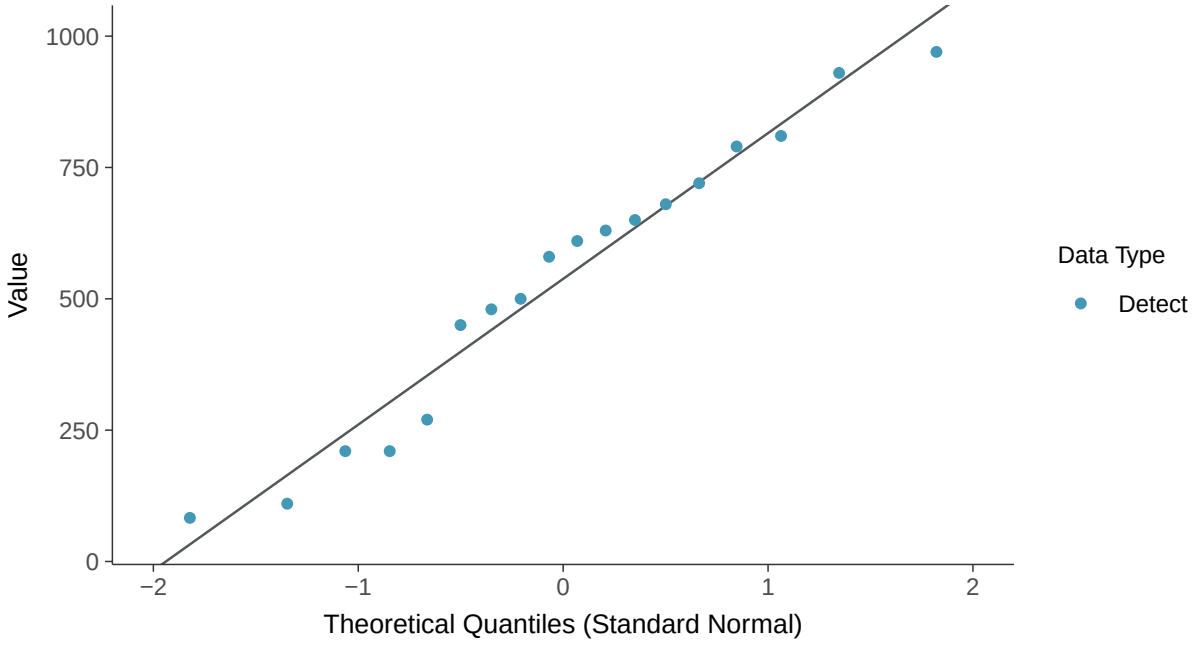
Boxplot by Season

Sulfate (as SO4), MW-09 (mg/L)



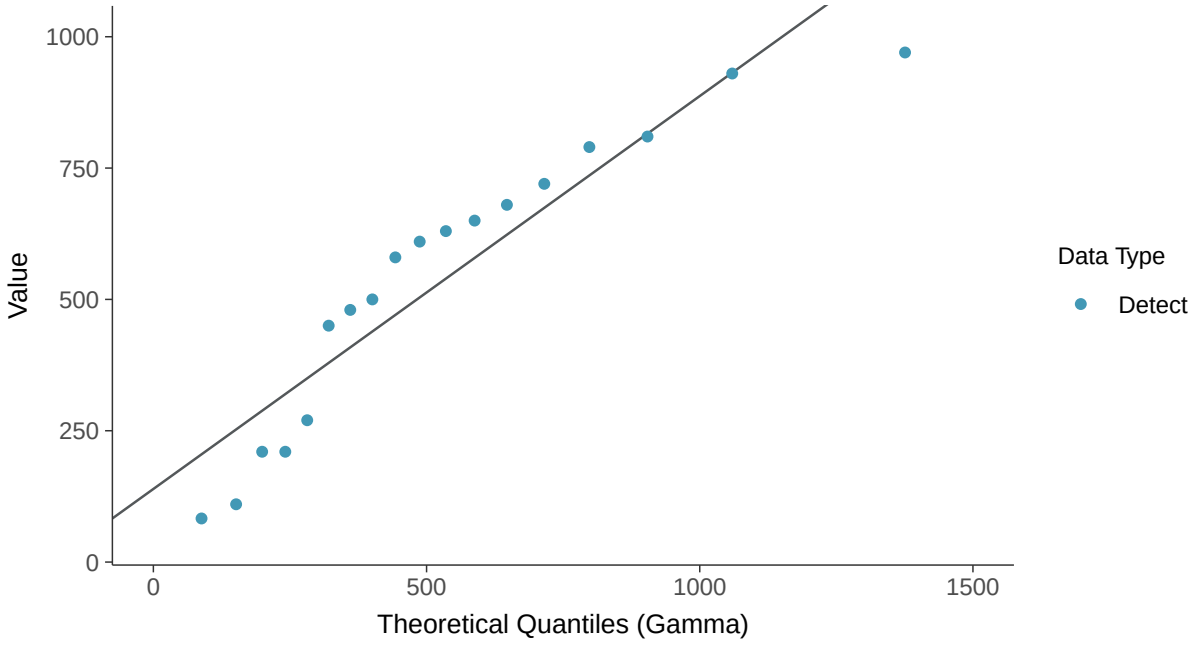
Normal Q-Q plot

Sulfate (as SO4), MW-09 (mg/L)



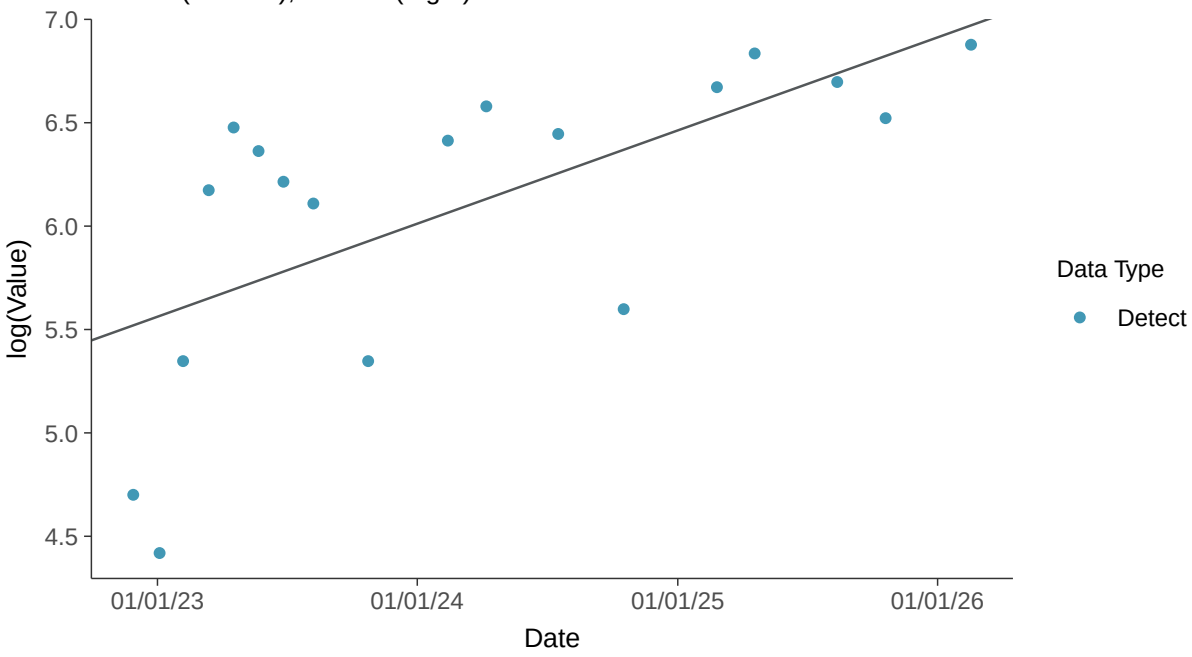
Gamma Q-Q plot

Sulfate (as SO4), MW-09 (mg/L)



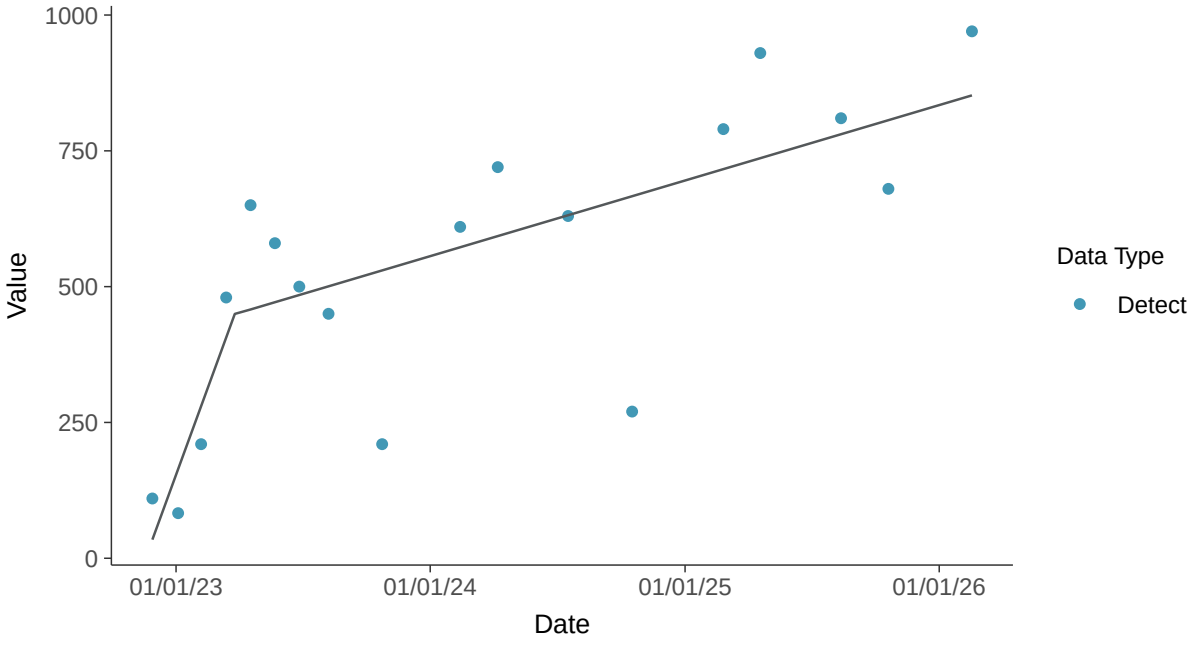
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-09 (mg/L)



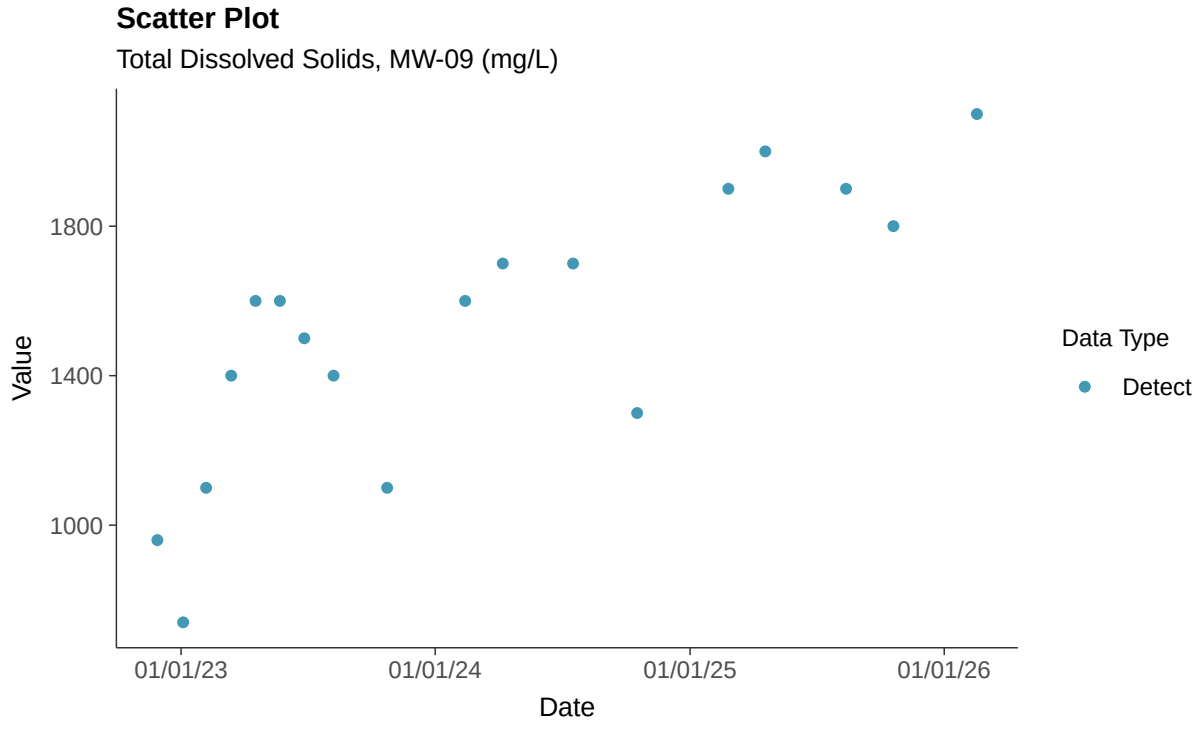
Trend Regression: Piecewise Linear-Linear

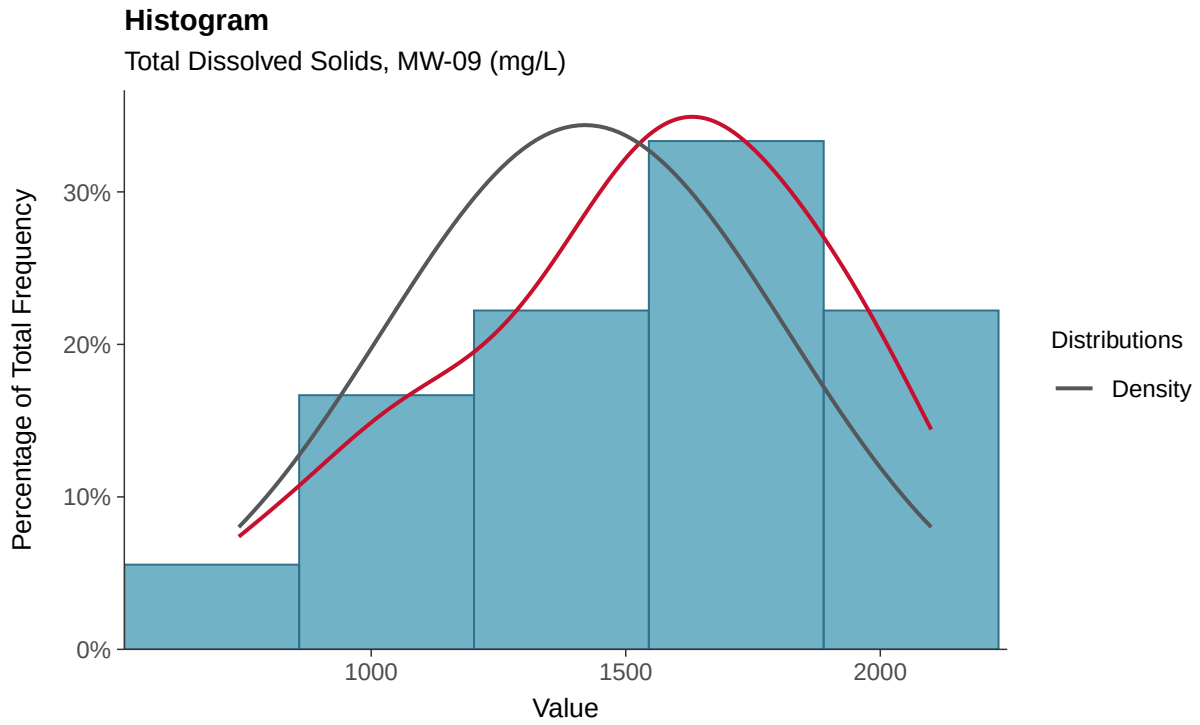
Sulfate (as SO4), MW-09 (mg/L)



Appendix III: Total Dissolved Solids, MW-09

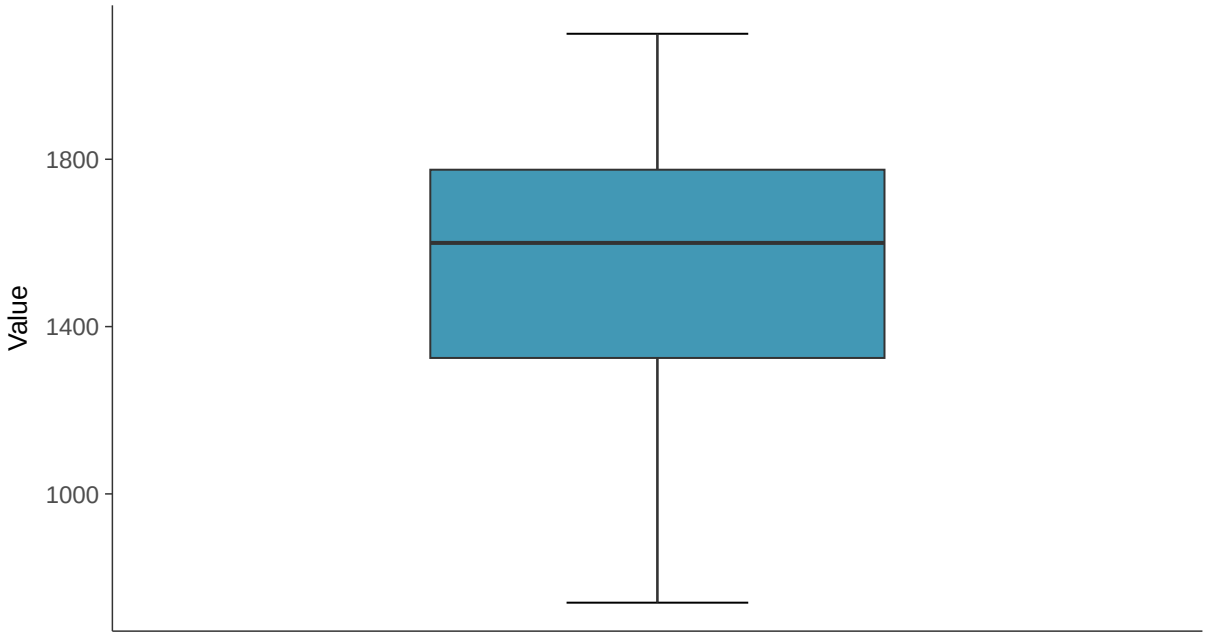
ID: 19_2_3_126





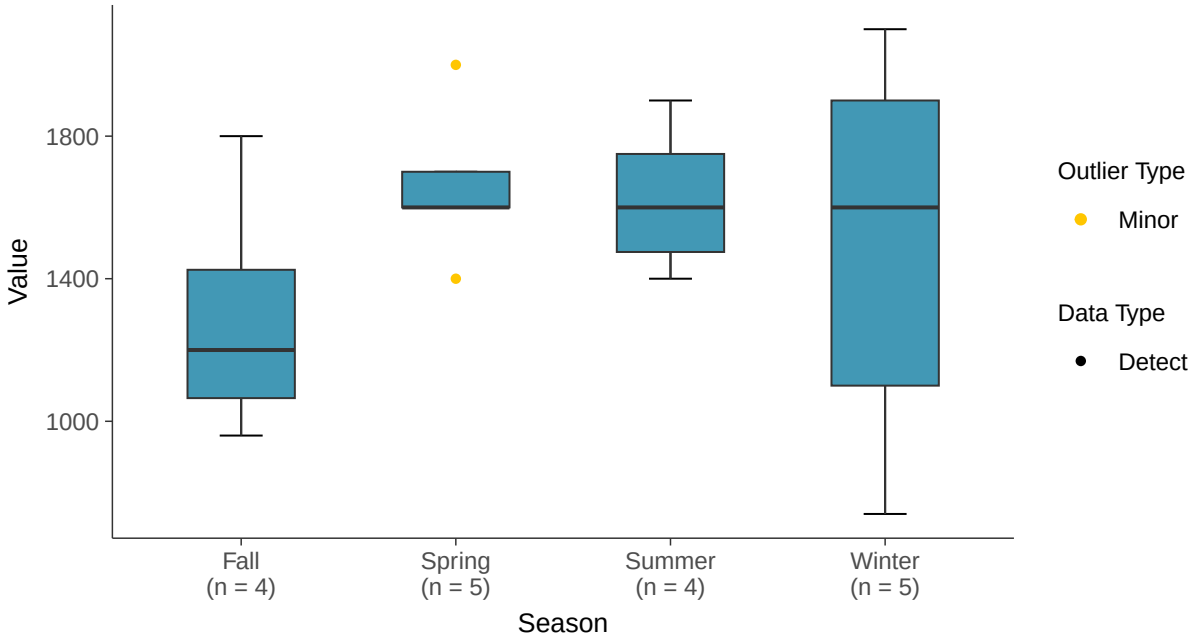
Boxplot

Total Dissolved Solids, MW-09 (mg/L)



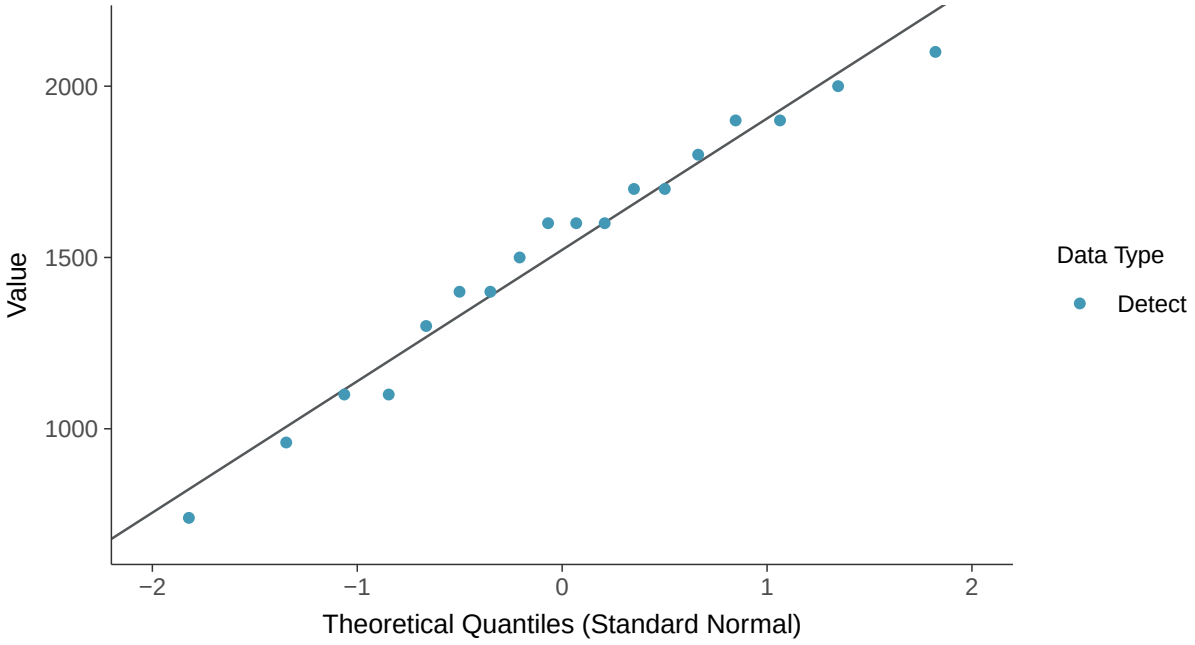
Boxplot by Season

Total Dissolved Solids, MW-09 (mg/L)



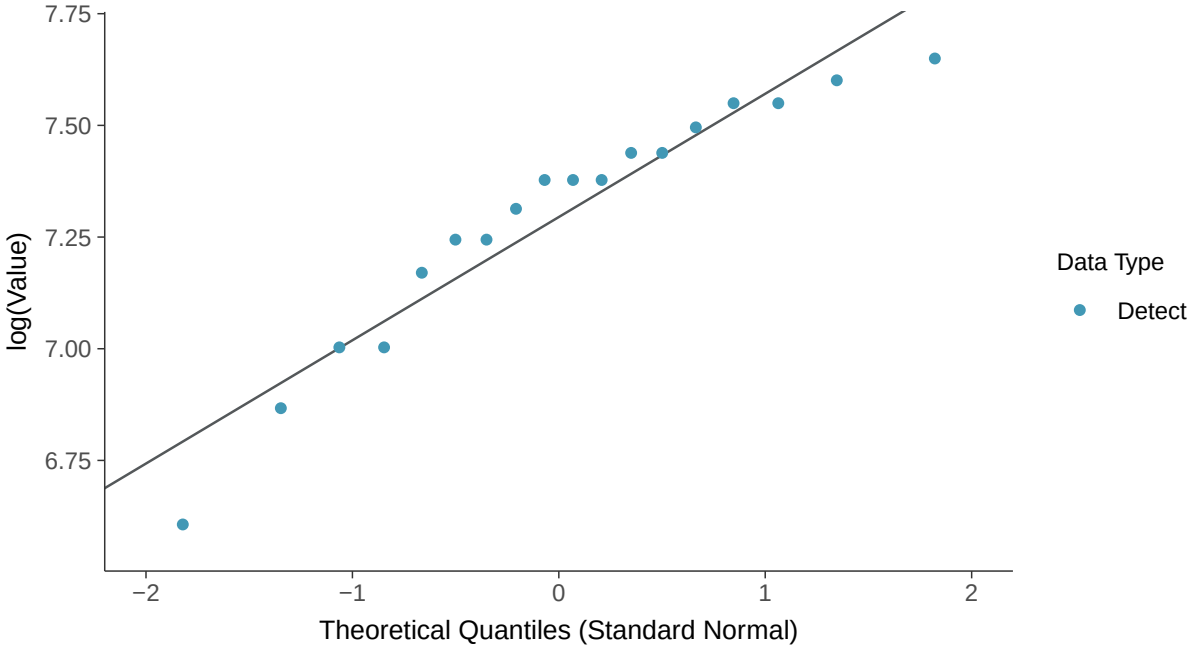
Normal Q-Q plot

Total Dissolved Solids, MW-09 (mg/L)



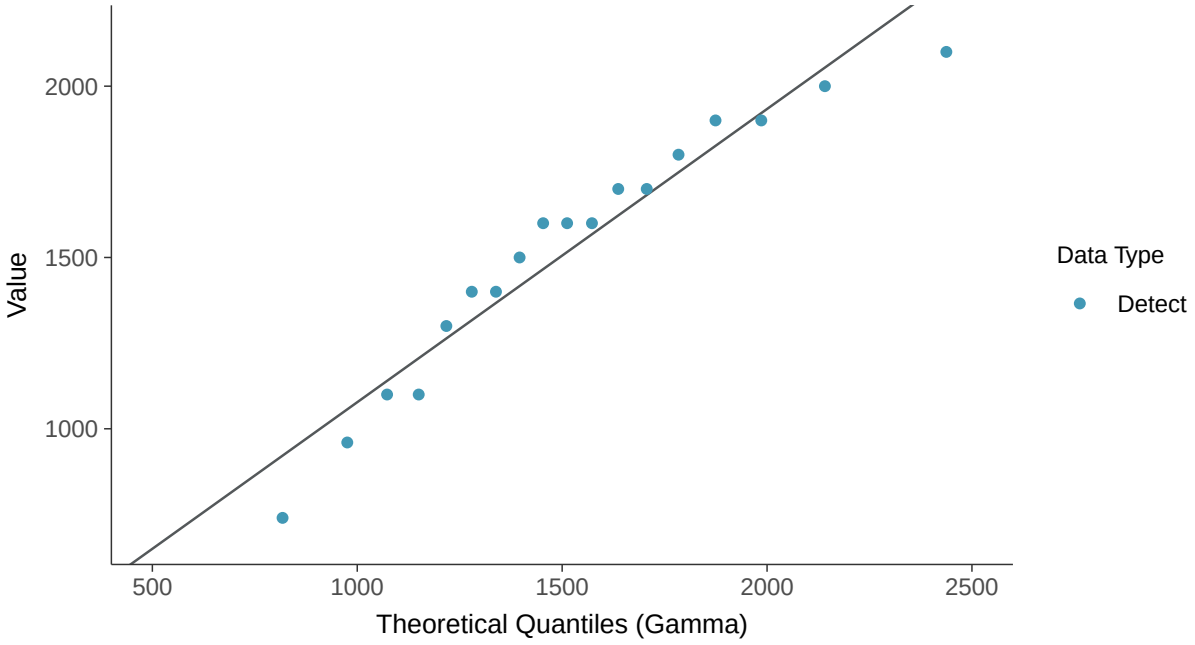
Lognormal Q-Q plot

Total Dissolved Solids, MW-09 (mg/L)



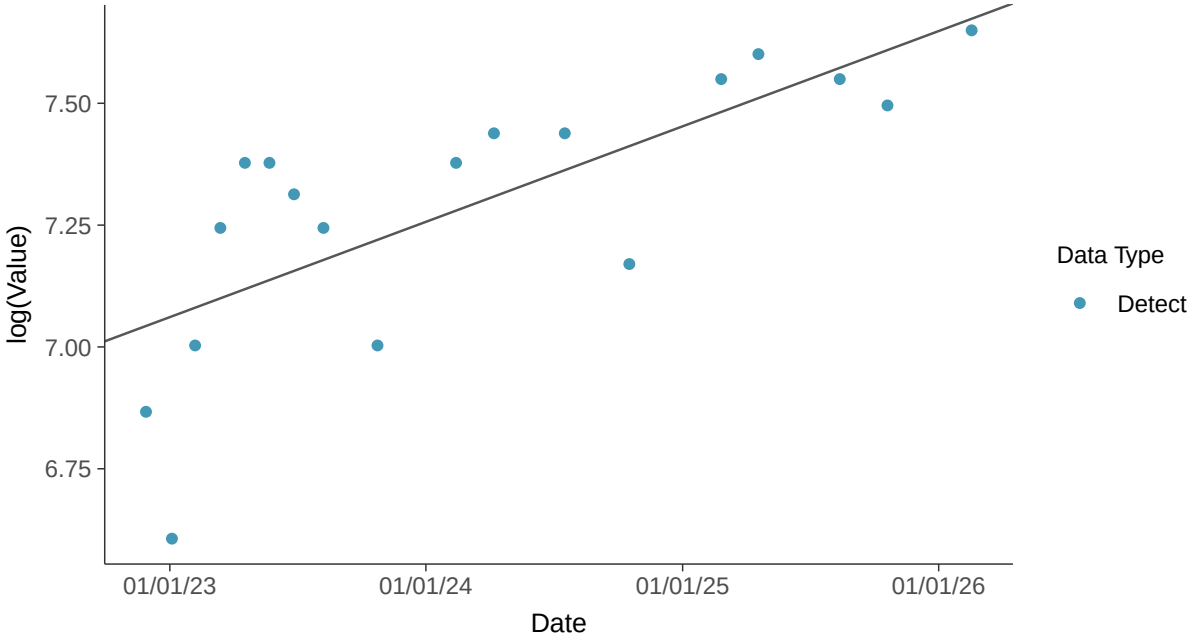
Gamma Q-Q plot

Total Dissolved Solids, MW-09 (mg/L)



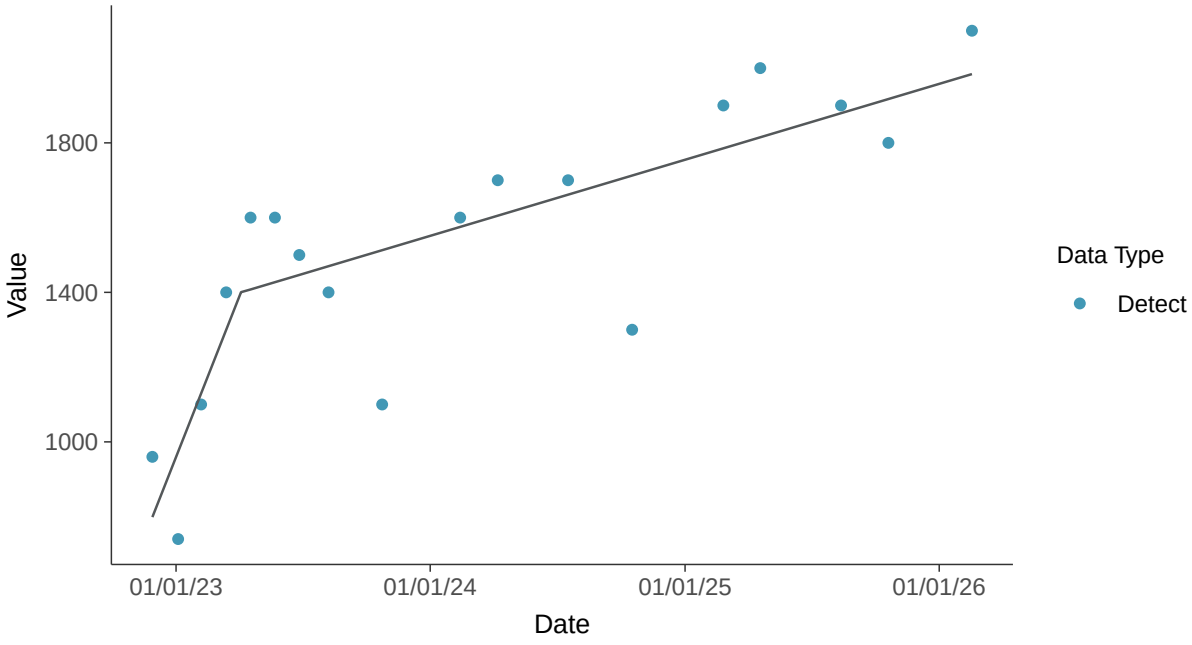
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-09 (mg/L)



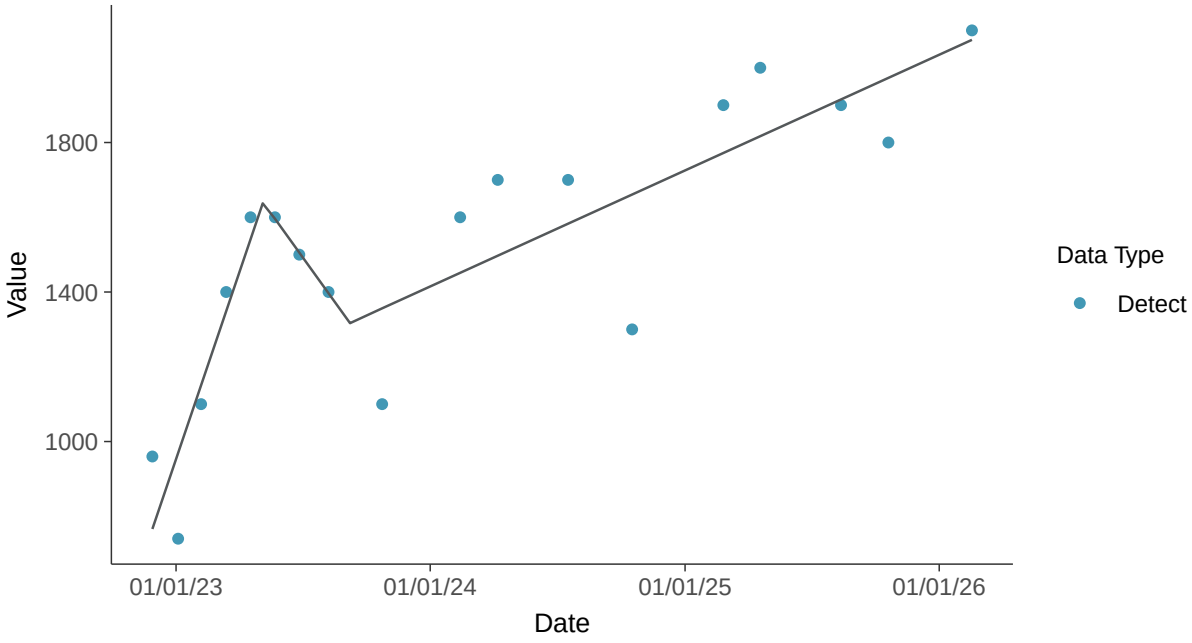
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-09 (mg/L)



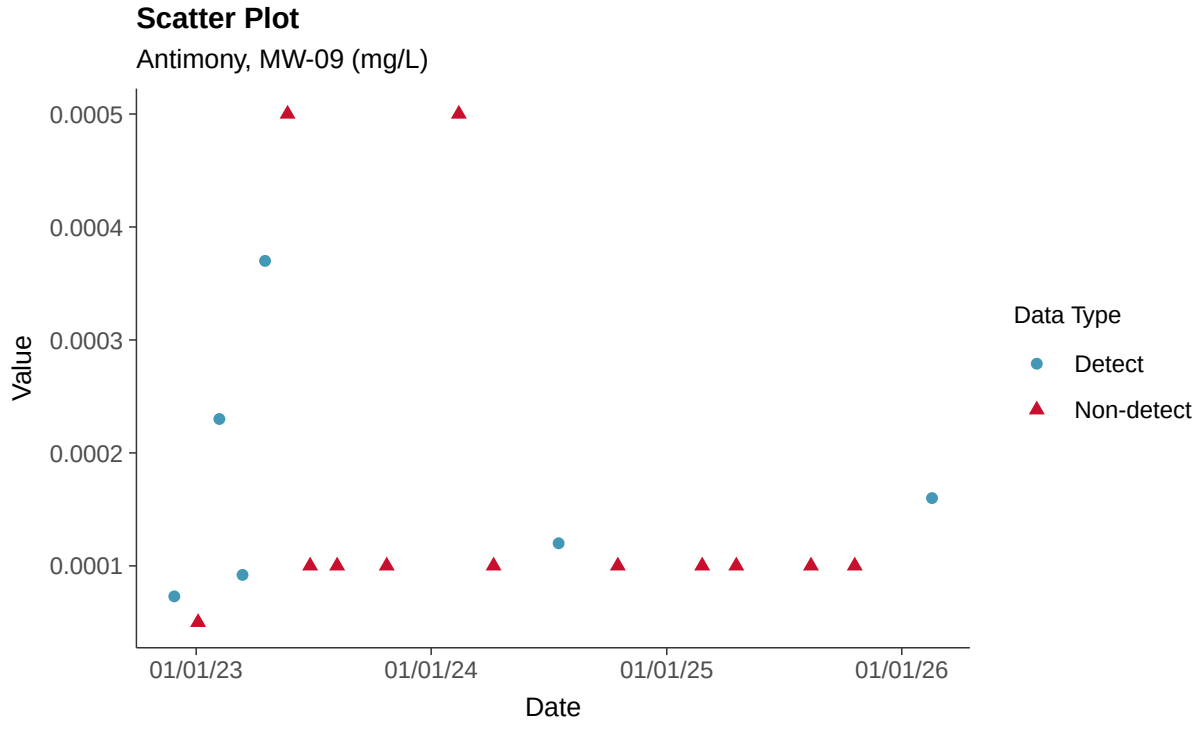
Trend Regression: Piecewise Linear-Linear-Linear

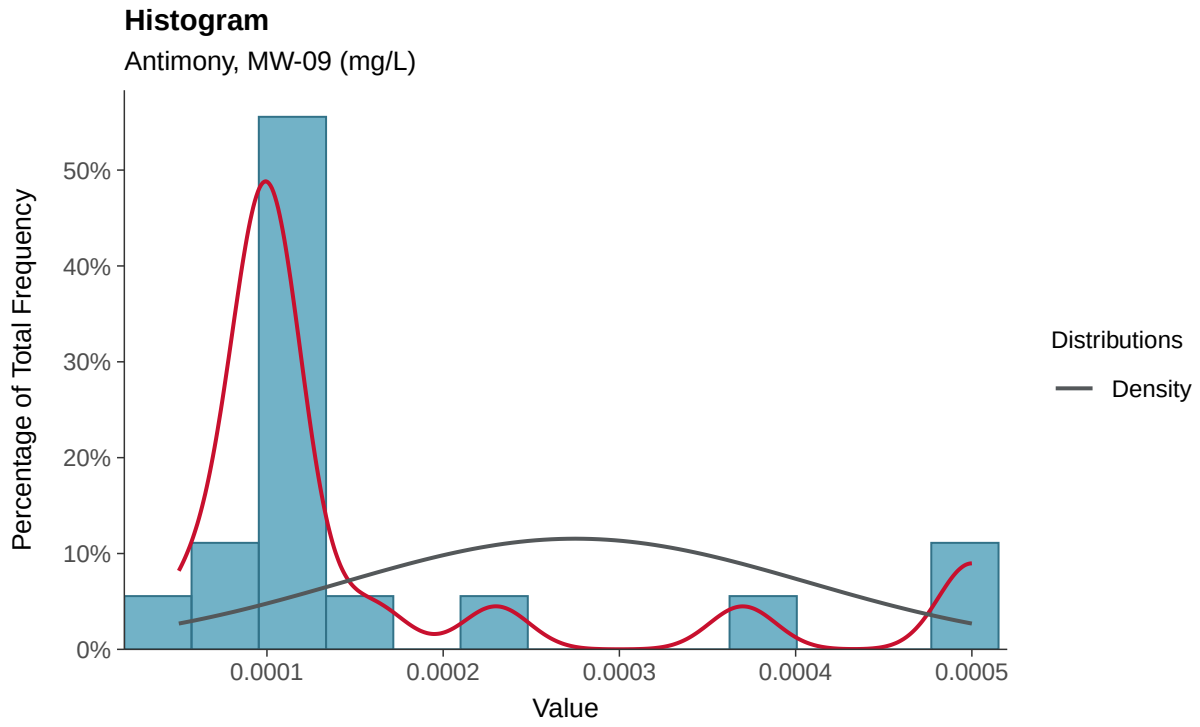
Total Dissolved Solids, MW-09 (mg/L)



Appendix IV: Antimony, MW-09

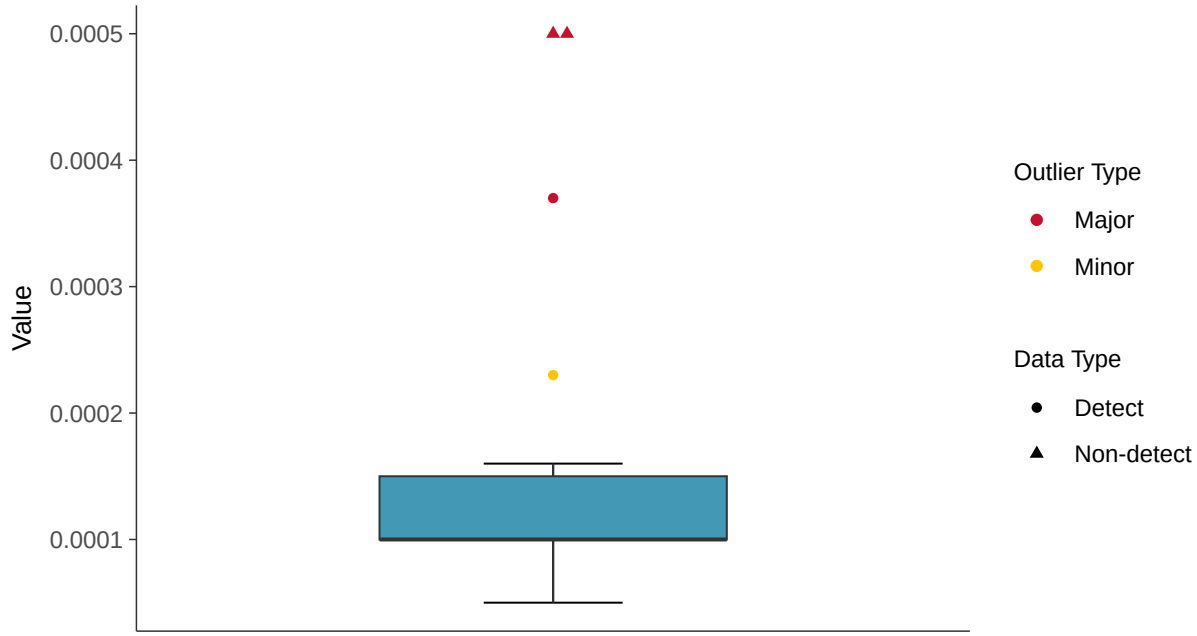
ID: 19_2_4_101





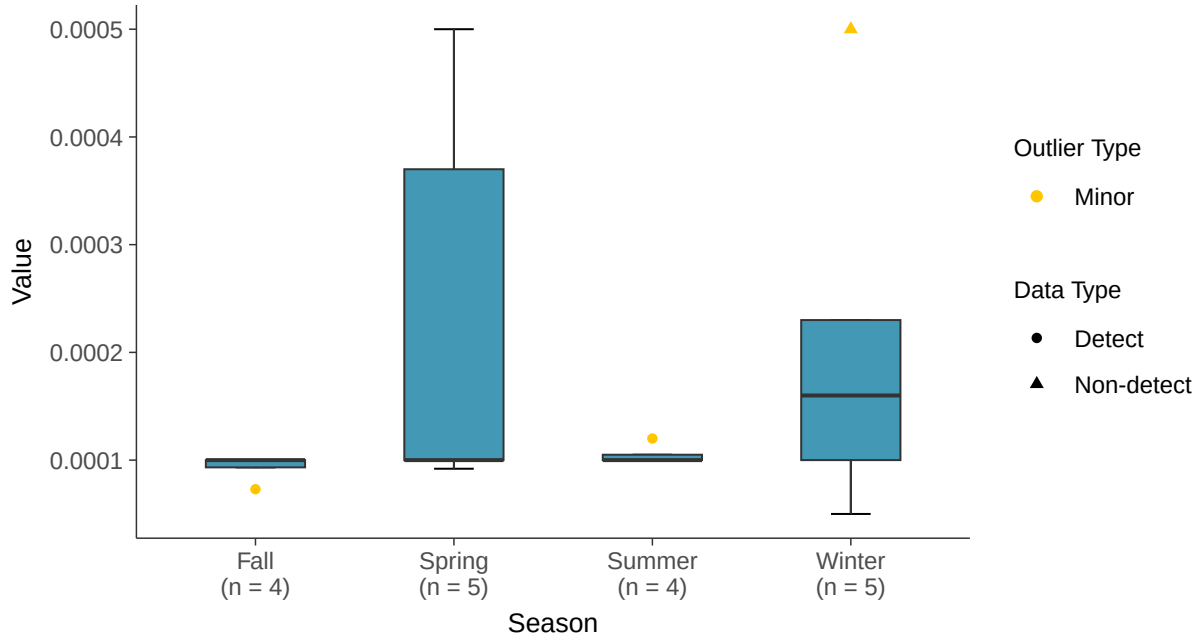
Boxplot

Antimony, MW-09 (mg/L)



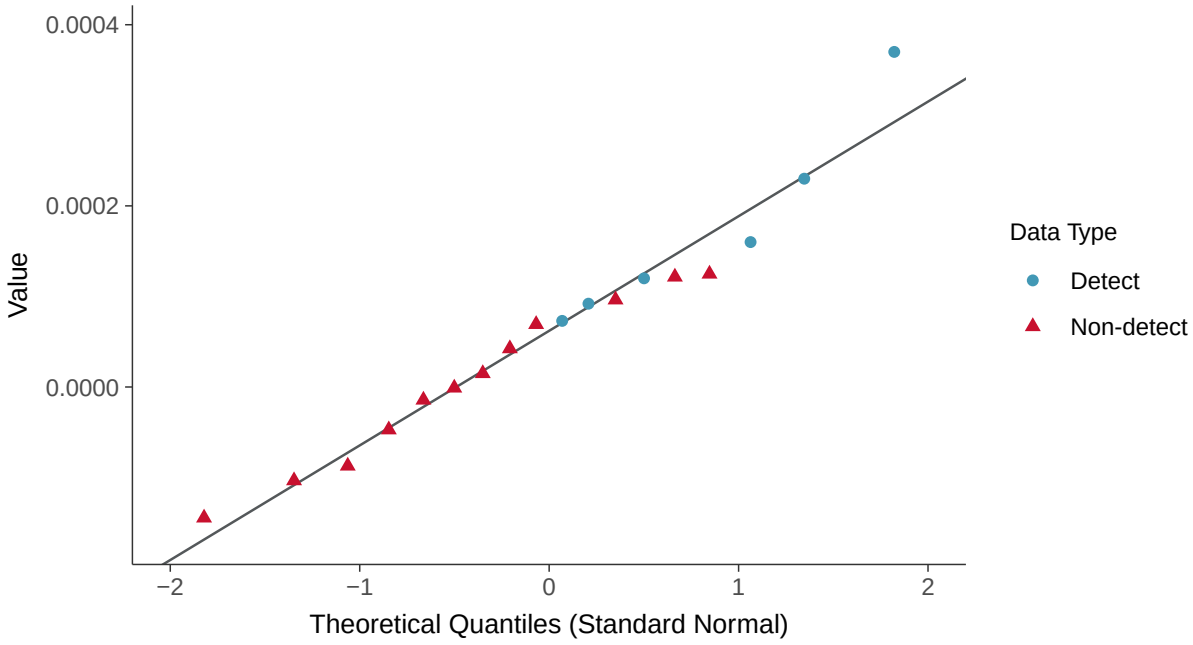
Boxplot by Season

Antimony, MW-09 (mg/L)



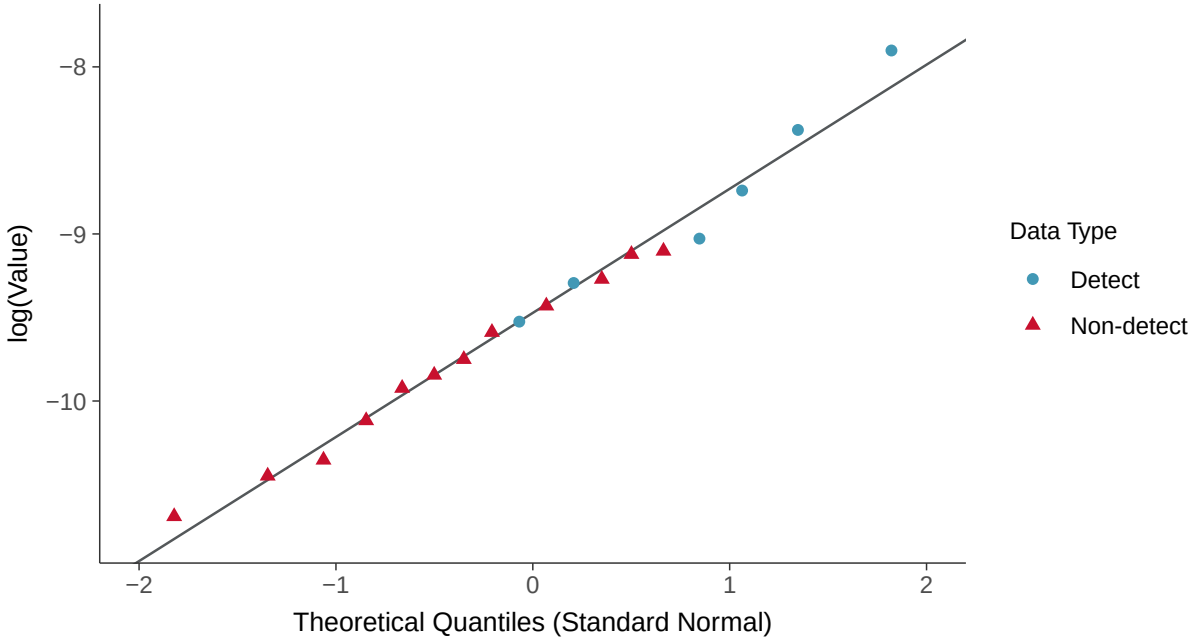
Normal Q-Q plot using ROS Imputed Estimates

Antimony, MW-09 (mg/L)



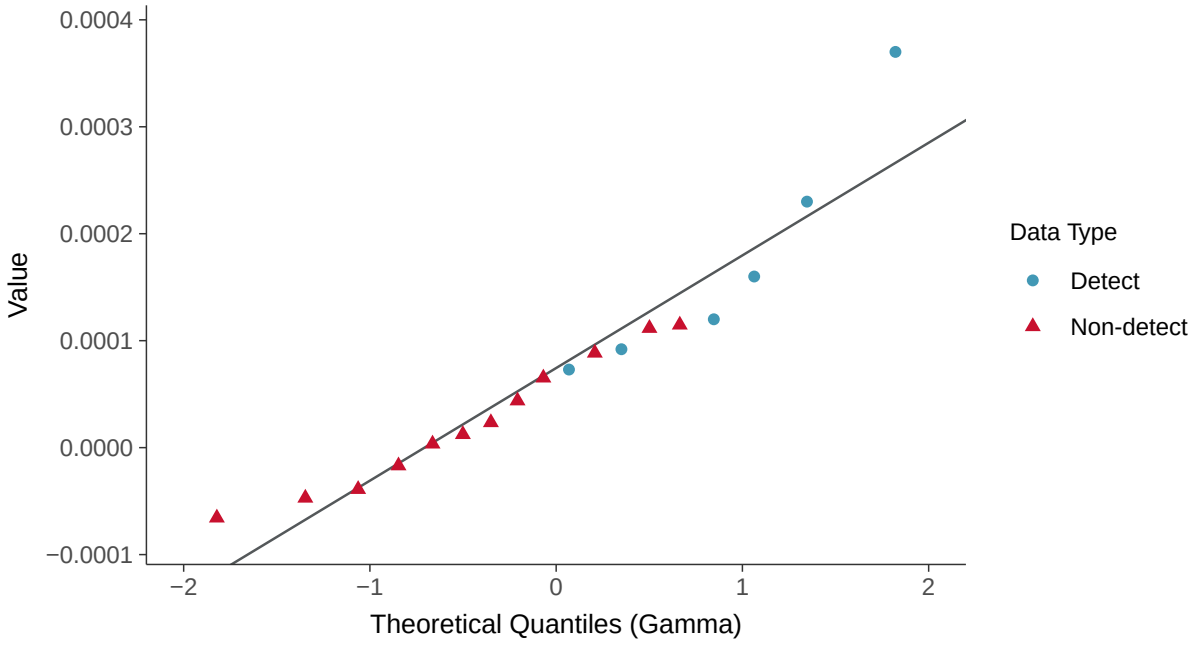
Lognormal Q-Q plot using ROS Imputed Estimates

Antimony, MW-09 (mg/L)



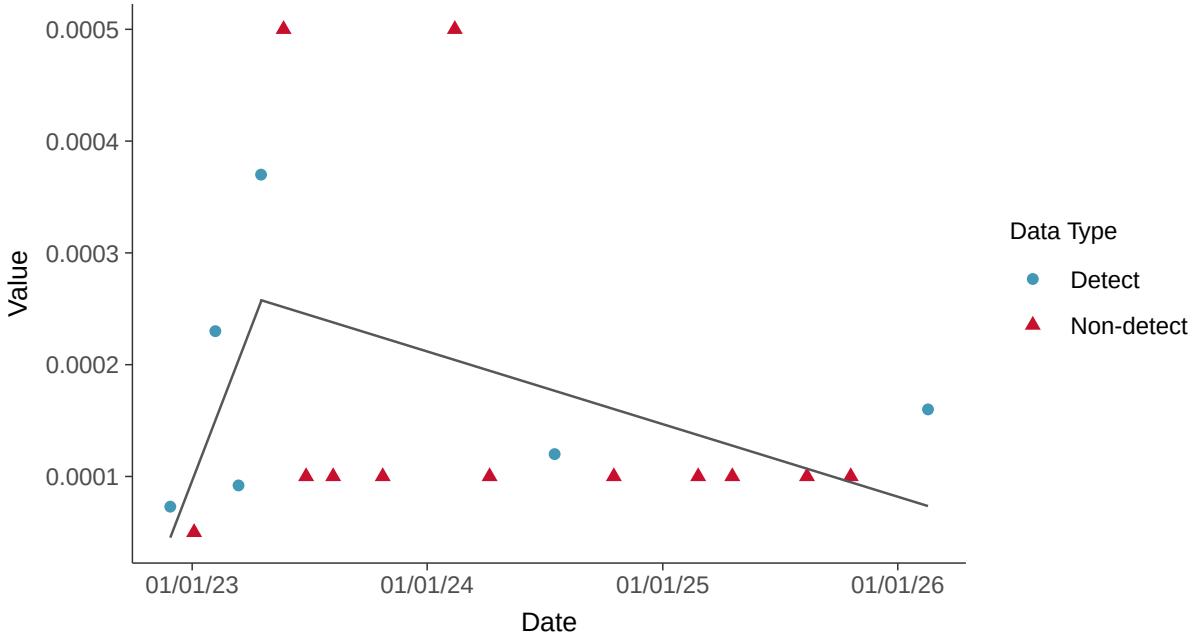
Gamma Q-Q plot using ROS Imputed Estimates

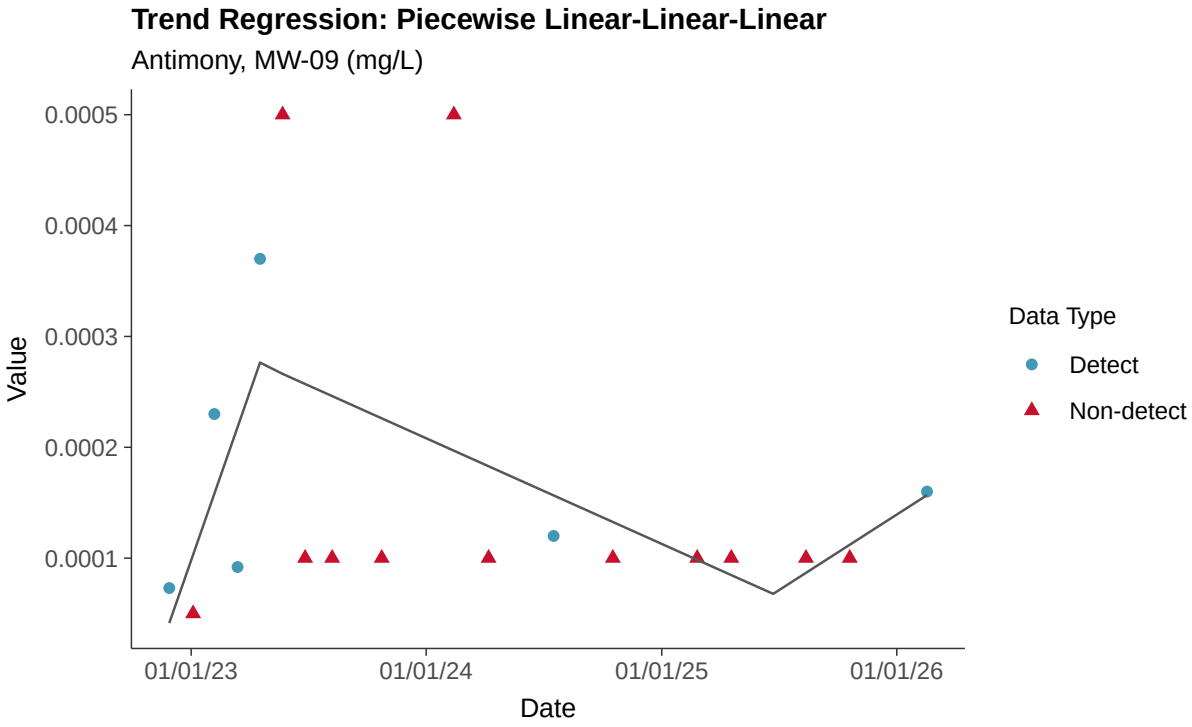
Antimony, MW-09 (mg/L)



Trend Regression: Piecewise Linear-Linear

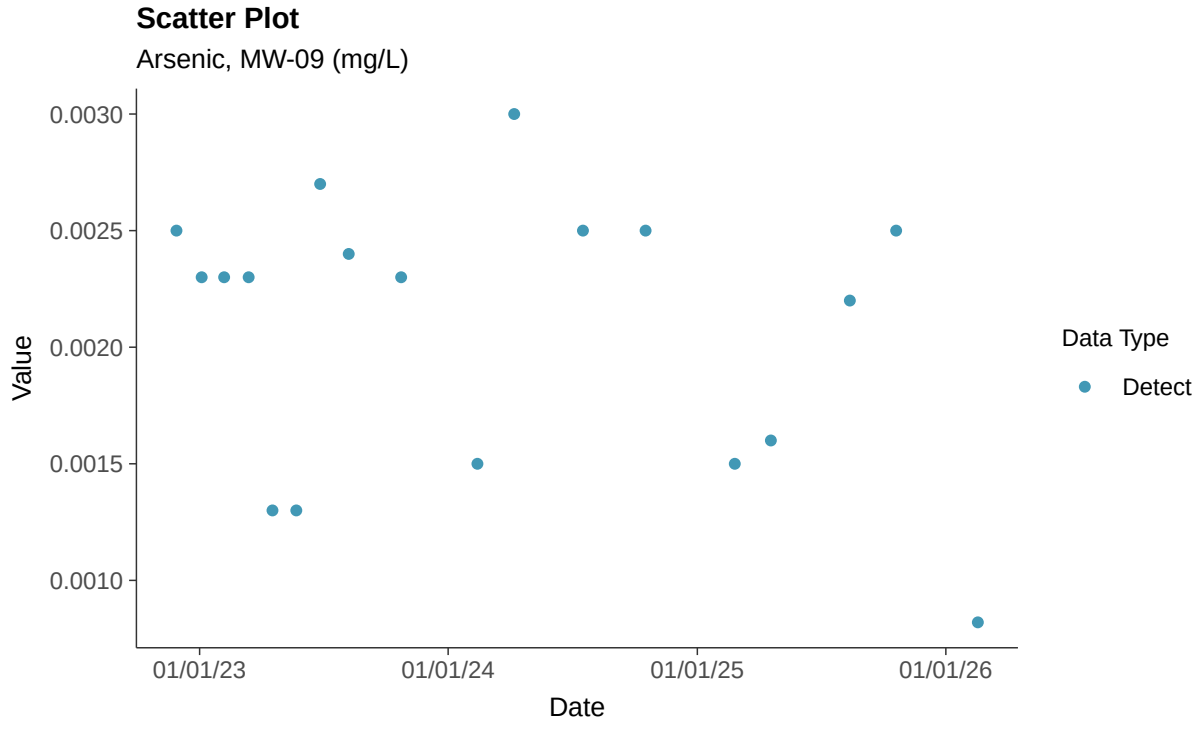
Antimony, MW-09 (mg/L)

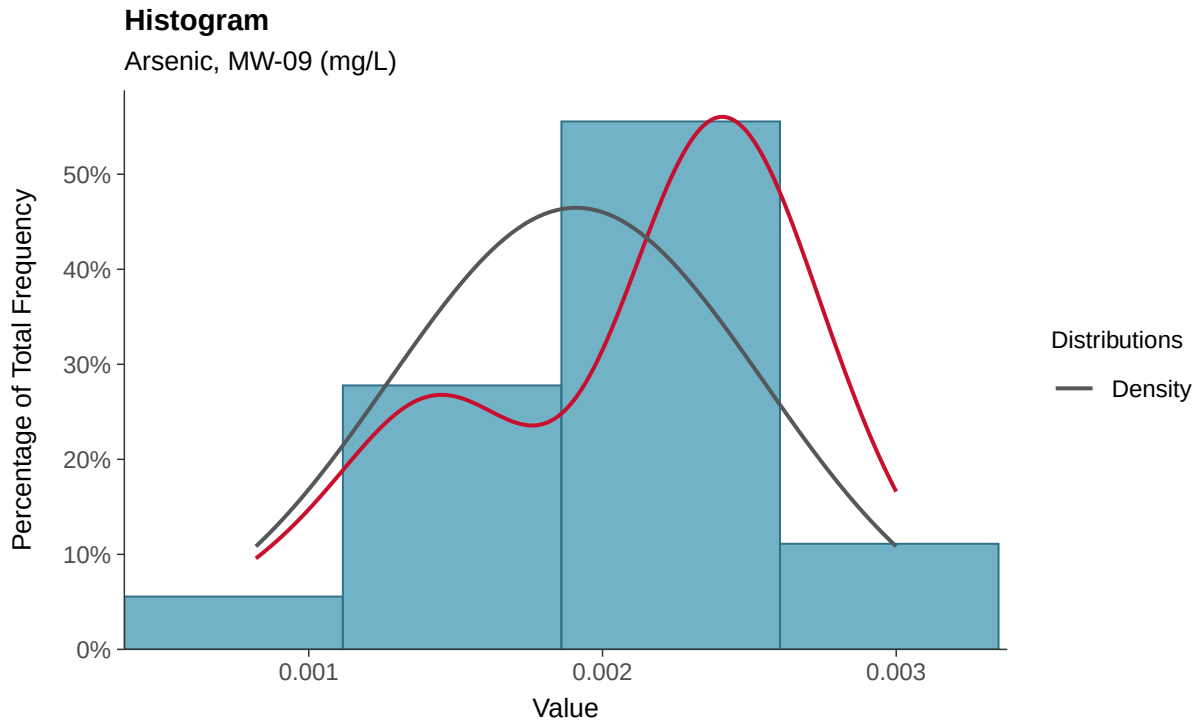



Trend Regression: Piecewise Linear-Linear-Linear
Antimony, MW-09 (mg/L)
Value
0.0005
0.0004
0.0003
0.0002
0.0001
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Arsenic, MW-09

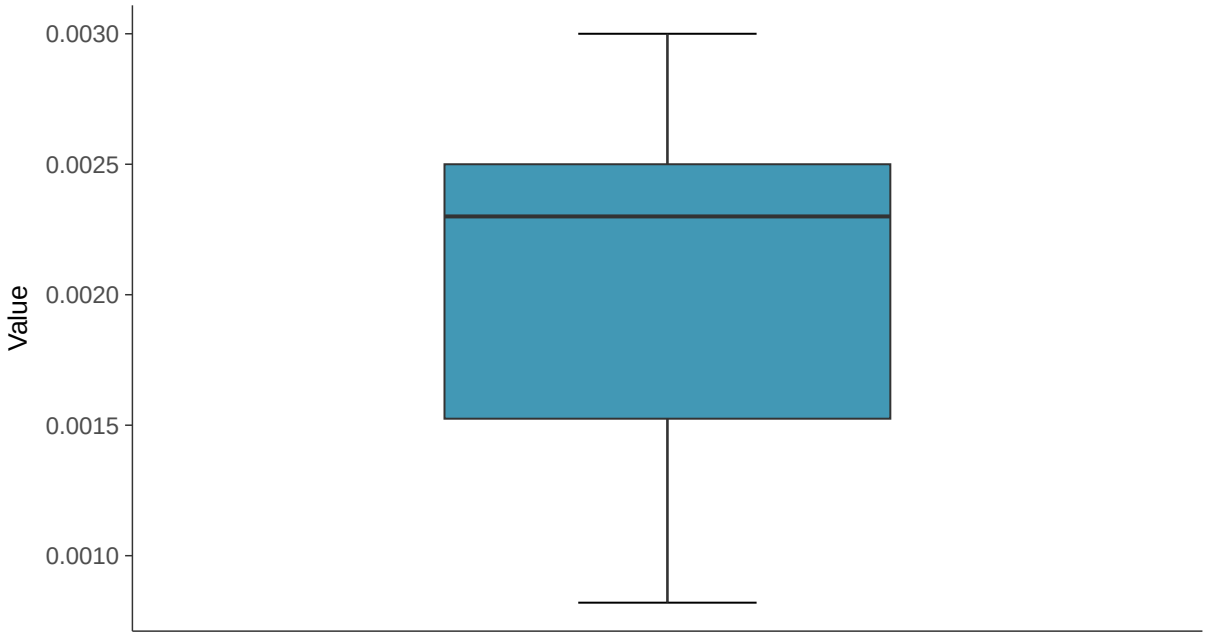
ID: 19_2_4_102





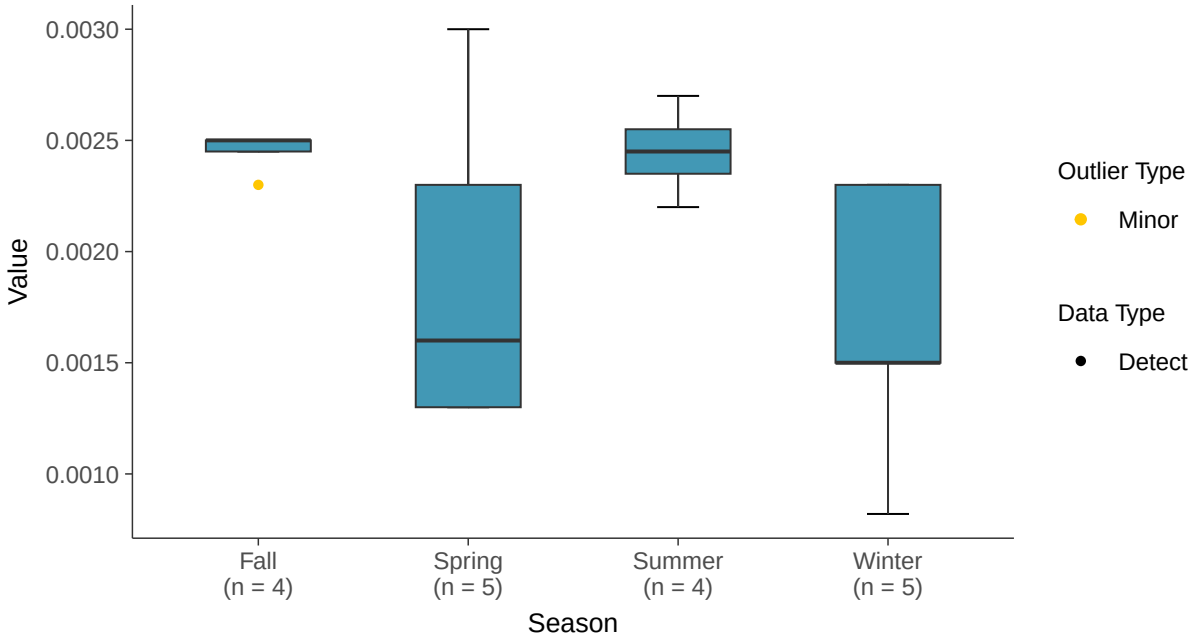
Boxplot

Arsenic, MW-09 (mg/L)



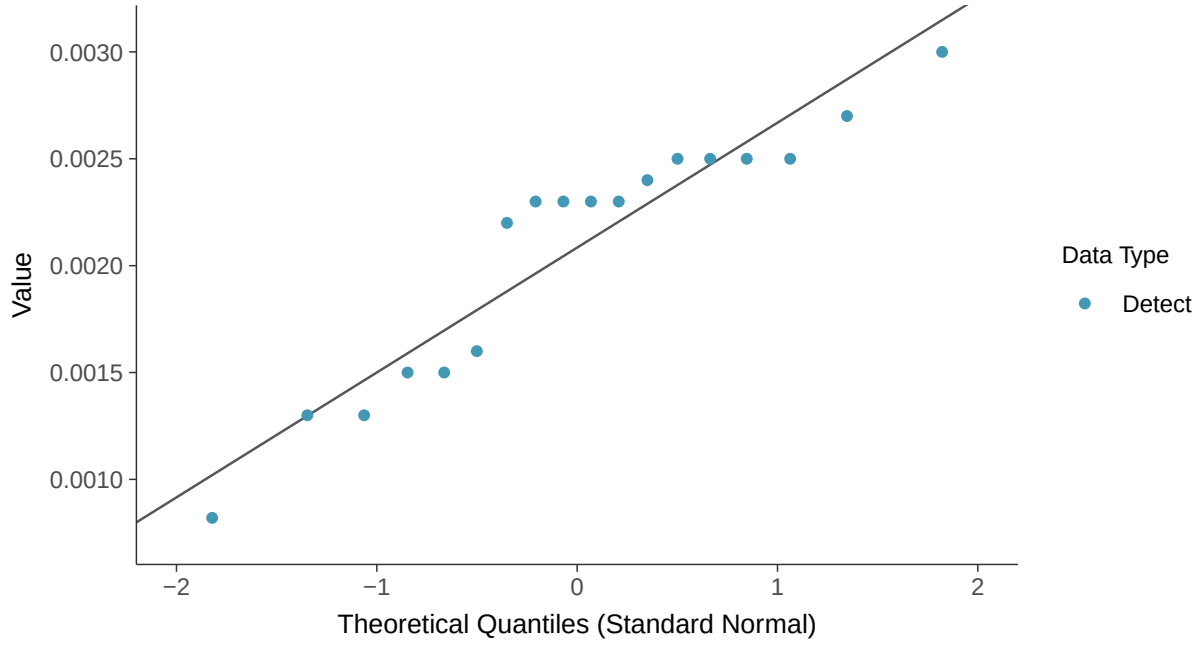
Boxplot by Season

Arsenic, MW-09 (mg/L)



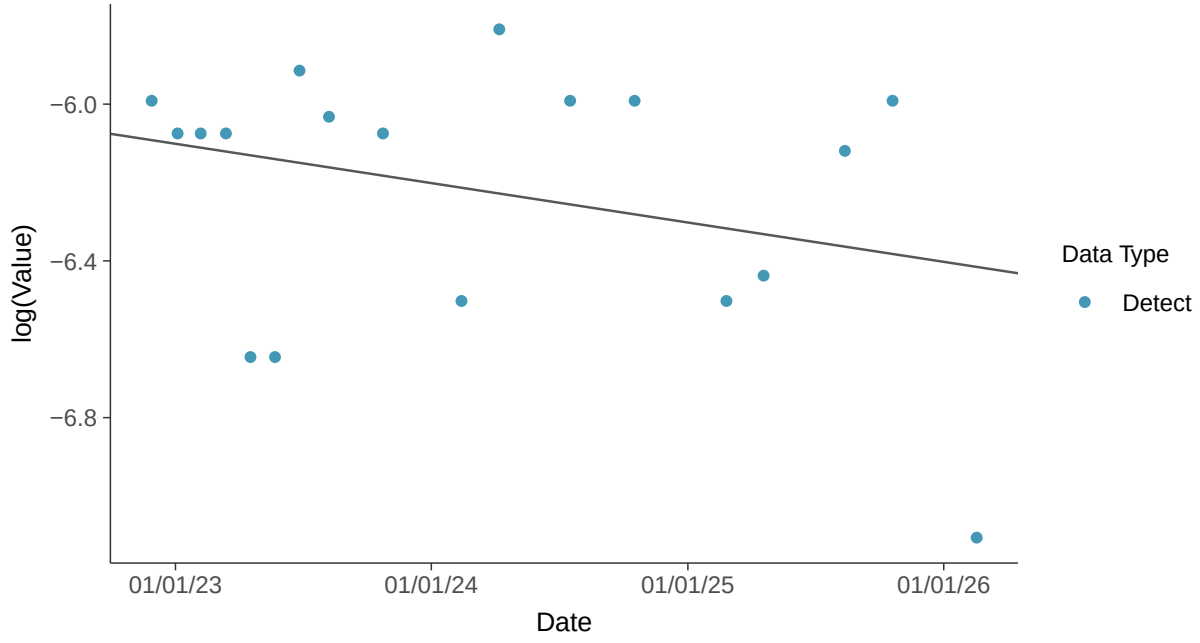
Normal Q-Q plot

Arsenic, MW-09 (mg/L)



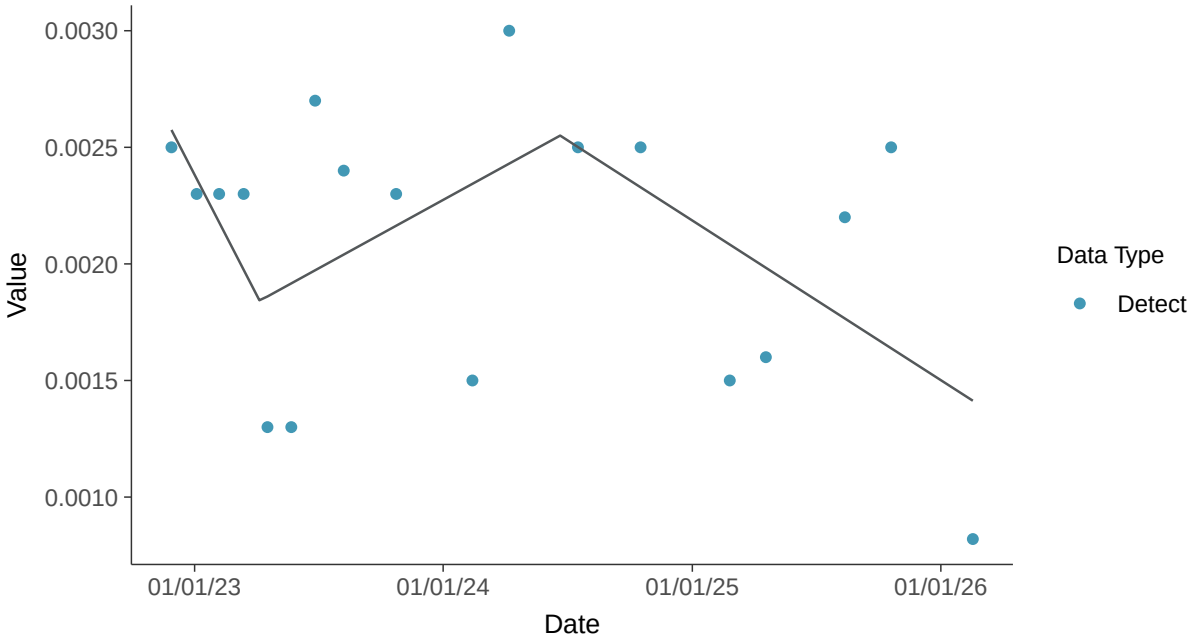
Trend Regression: Lognormal MLE

Arsenic, MW-09 (mg/L)



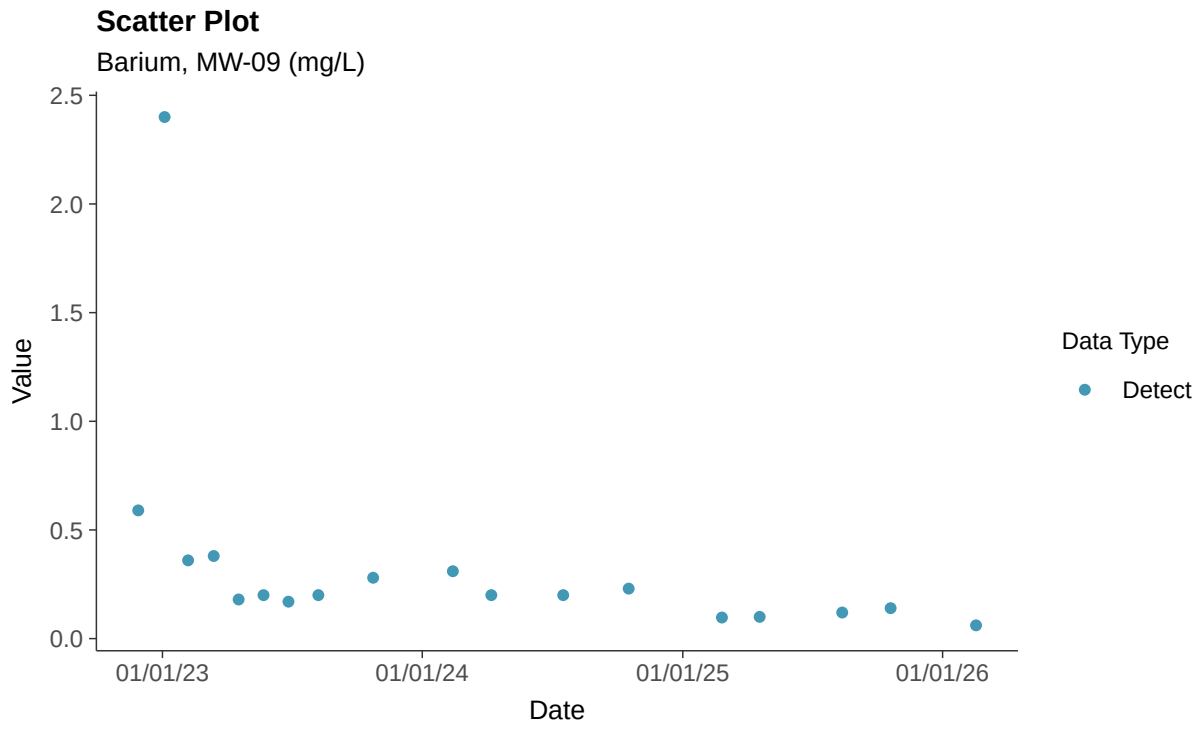
Trend Regression: Piecewise Linear-Linear-Linear

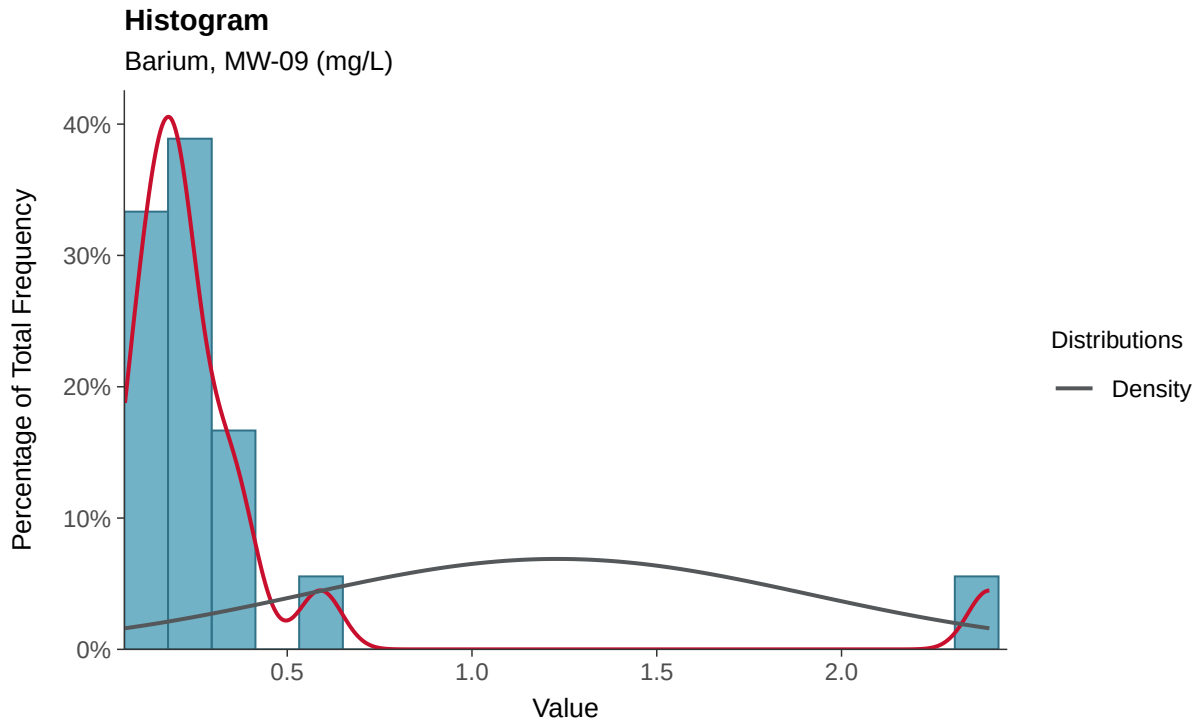
Arsenic, MW-09 (mg/L)



Appendix IV: Barium, MW-09

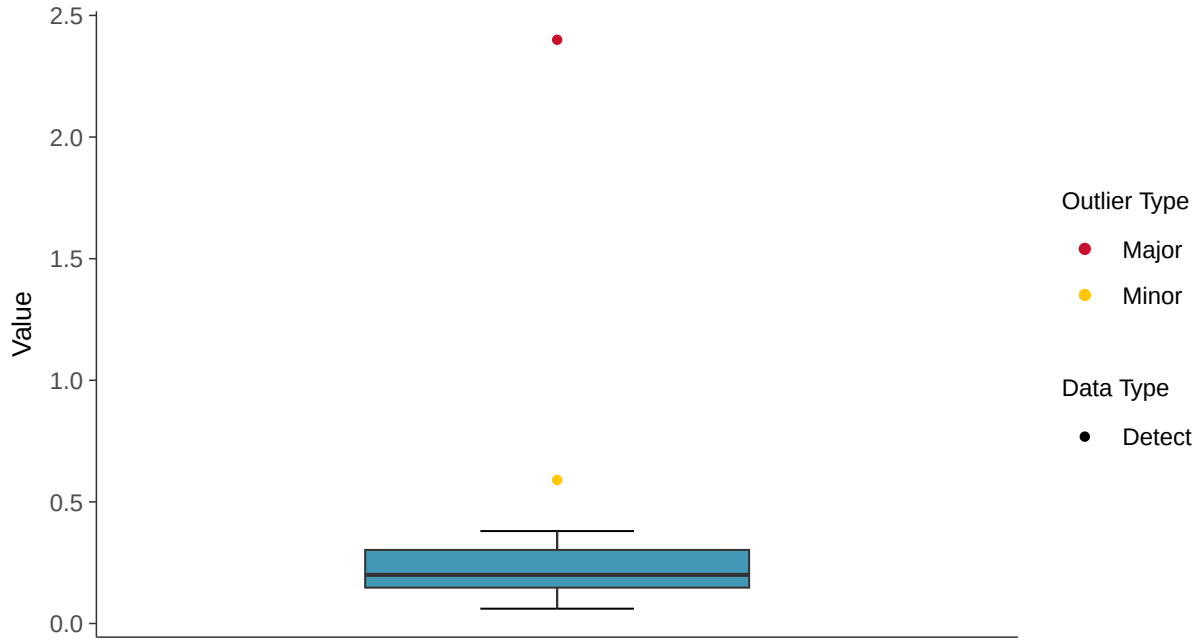
ID: 19_2_4_103





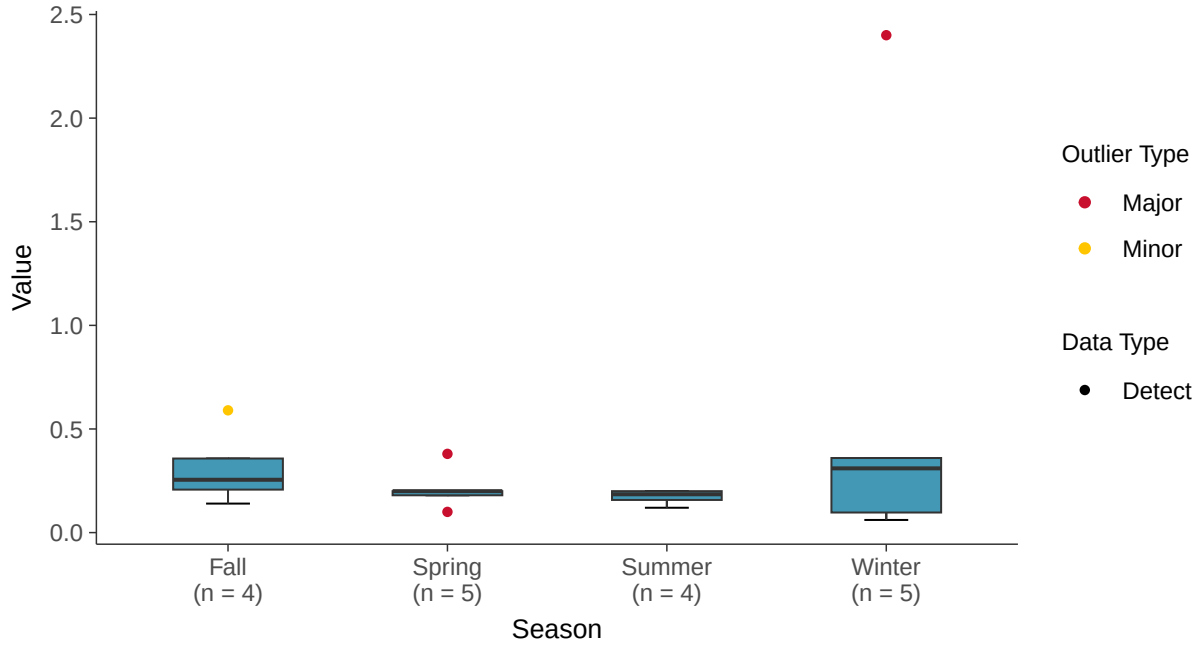
Boxplot

Barium, MW-09 (mg/L)



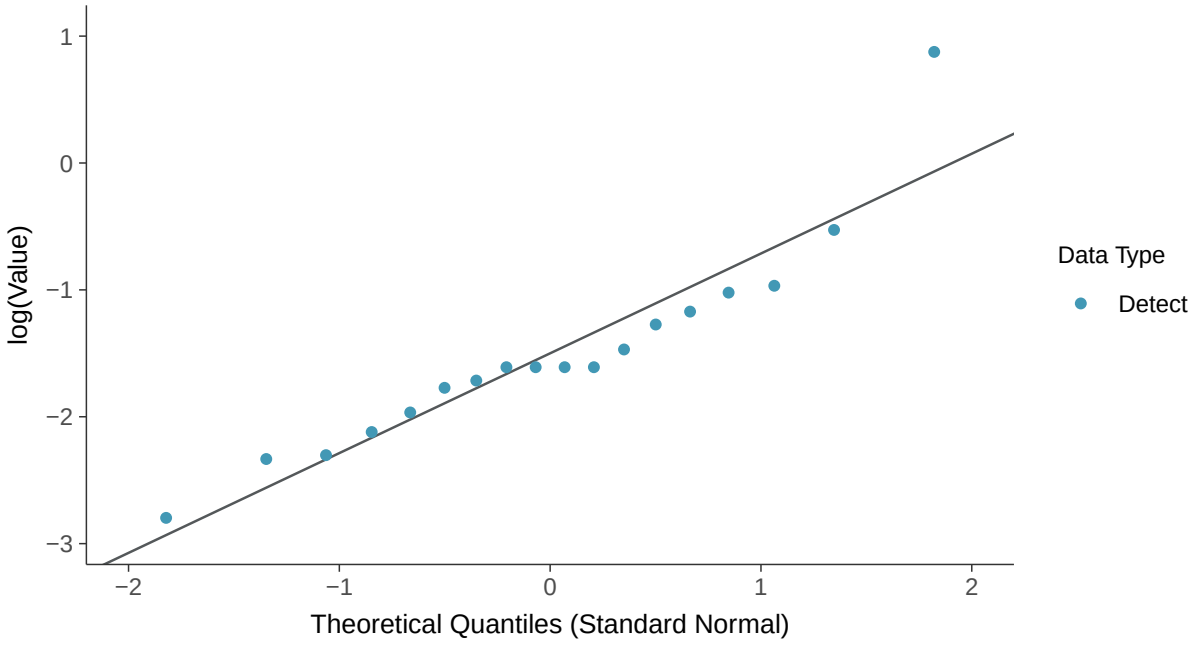
Boxplot by Season

Barium, MW-09 (mg/L)



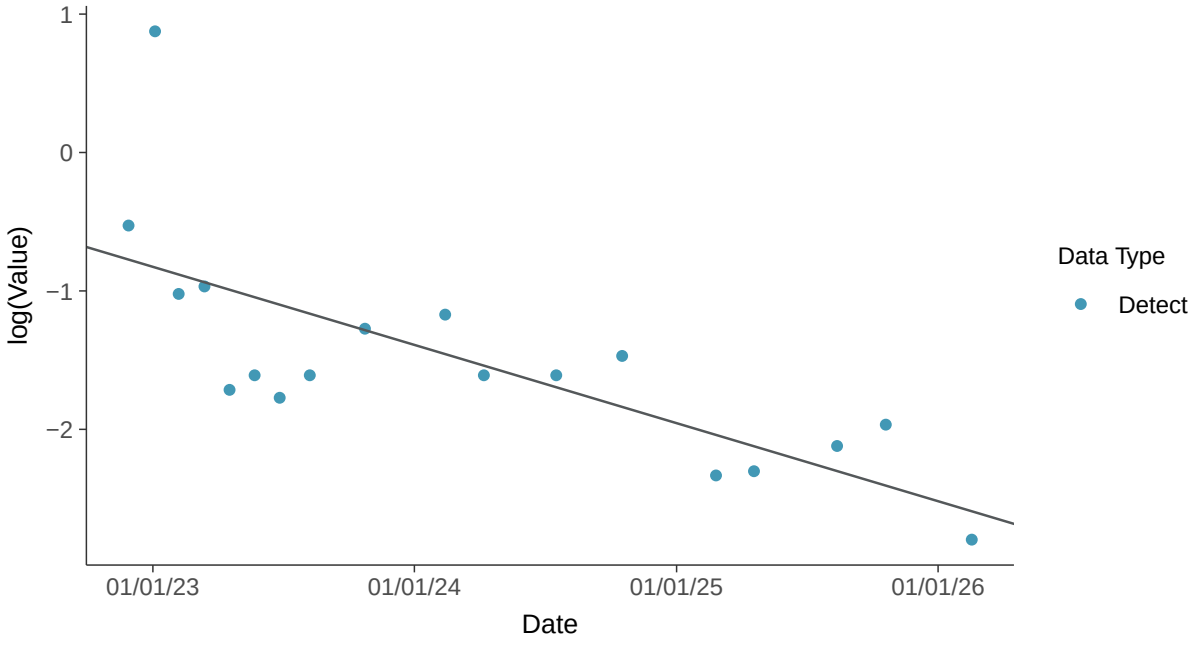
Lognormal Q-Q plot

Barium, MW-09 (mg/L)



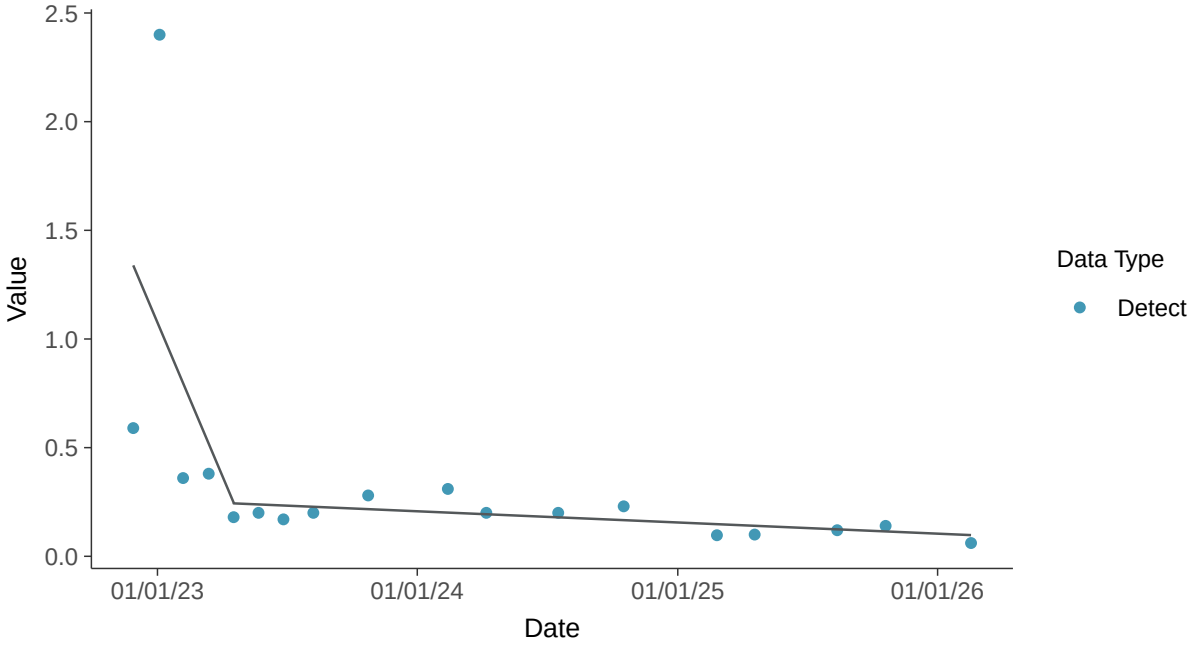
Trend Regression: Lognormal MLE

Barium, MW-09 (mg/L)



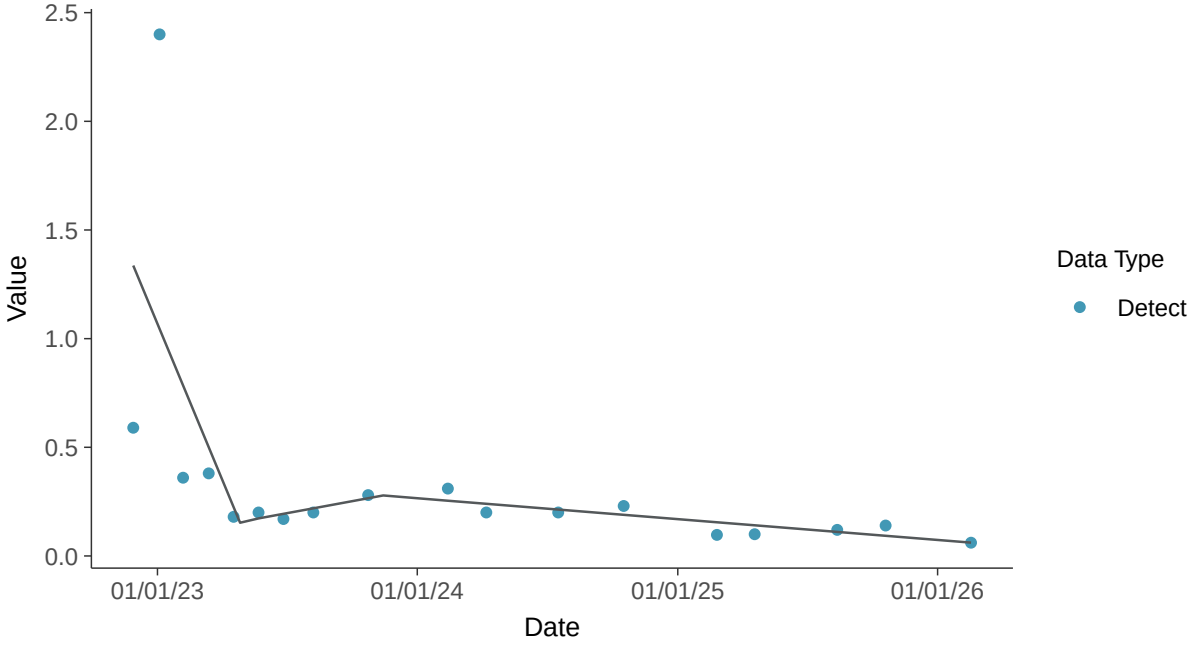
Trend Regression: Piecewise Linear-Linear

Barium, MW-09 (mg/L)



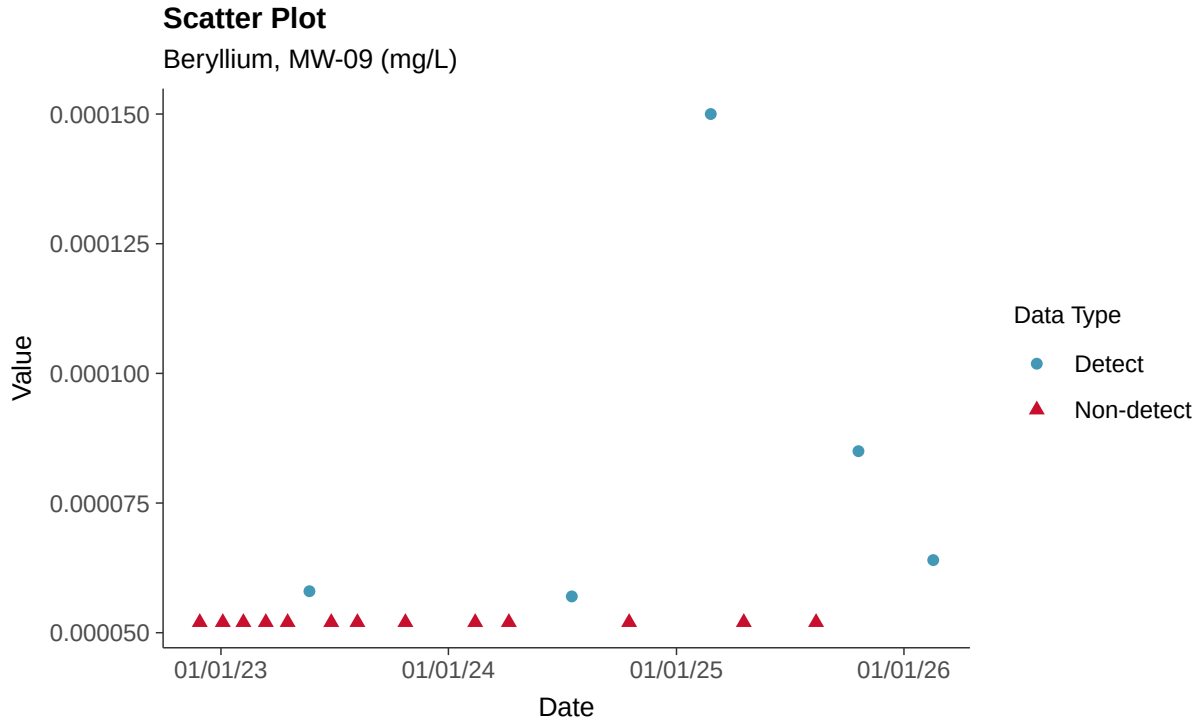
Trend Regression: Piecewise Linear-Linear-Linear

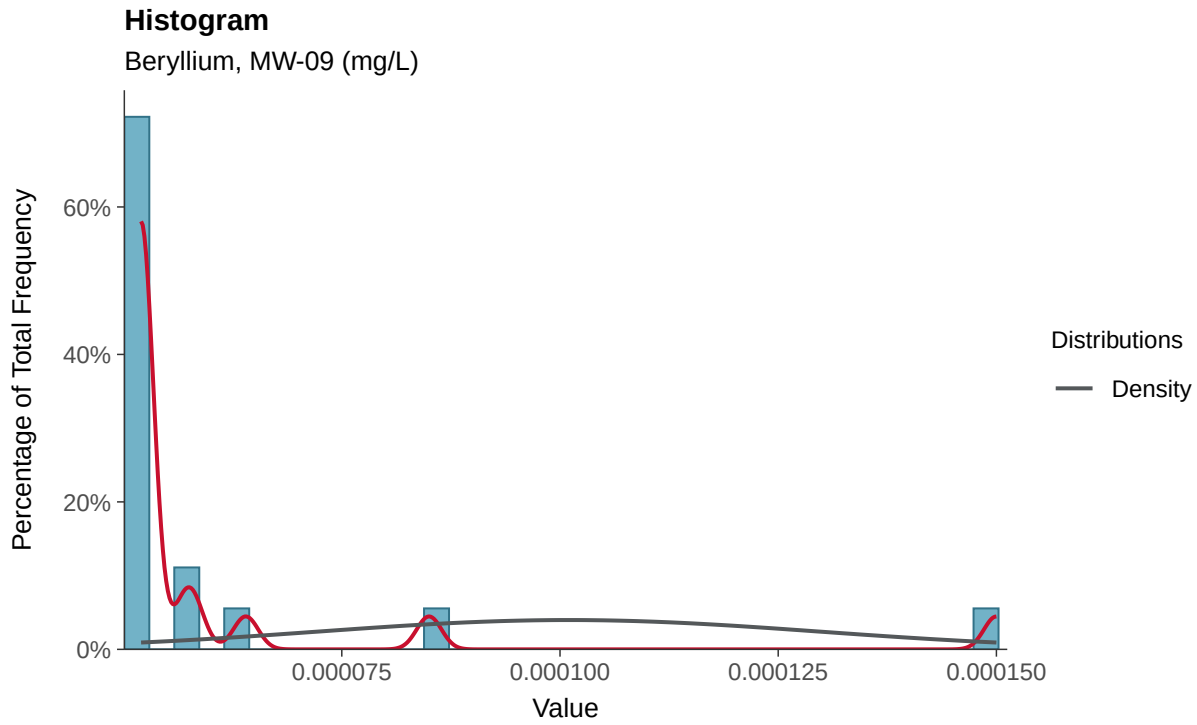
Barium, MW-09 (mg/L)



Appendix IV: Beryllium, MW-09

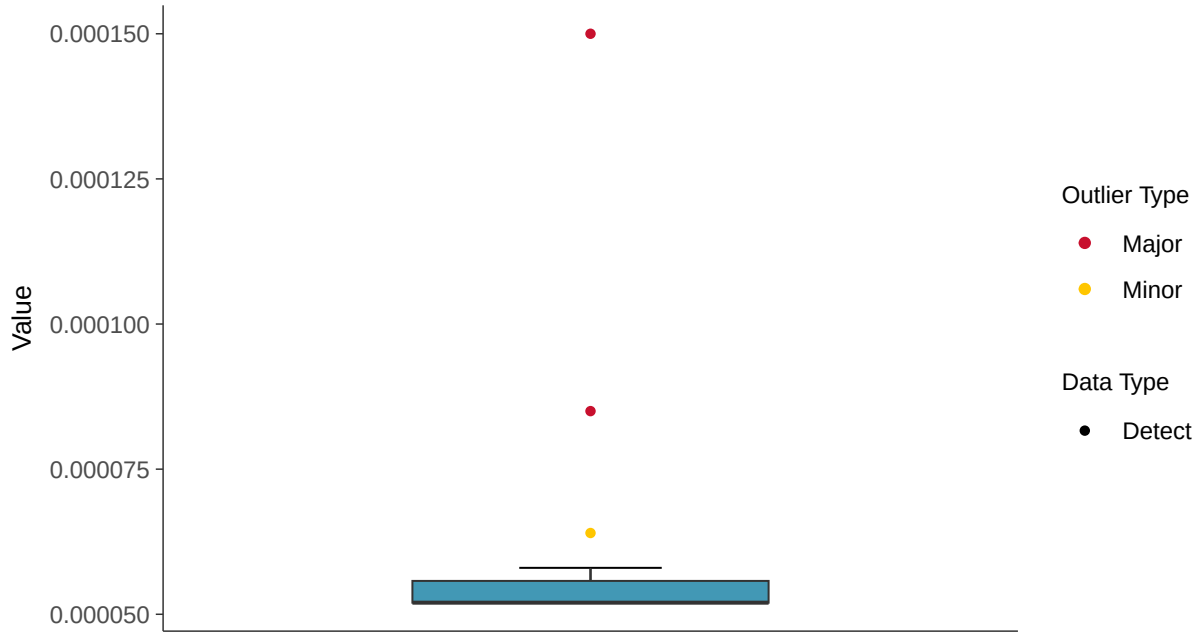
ID: 19_2_4_104





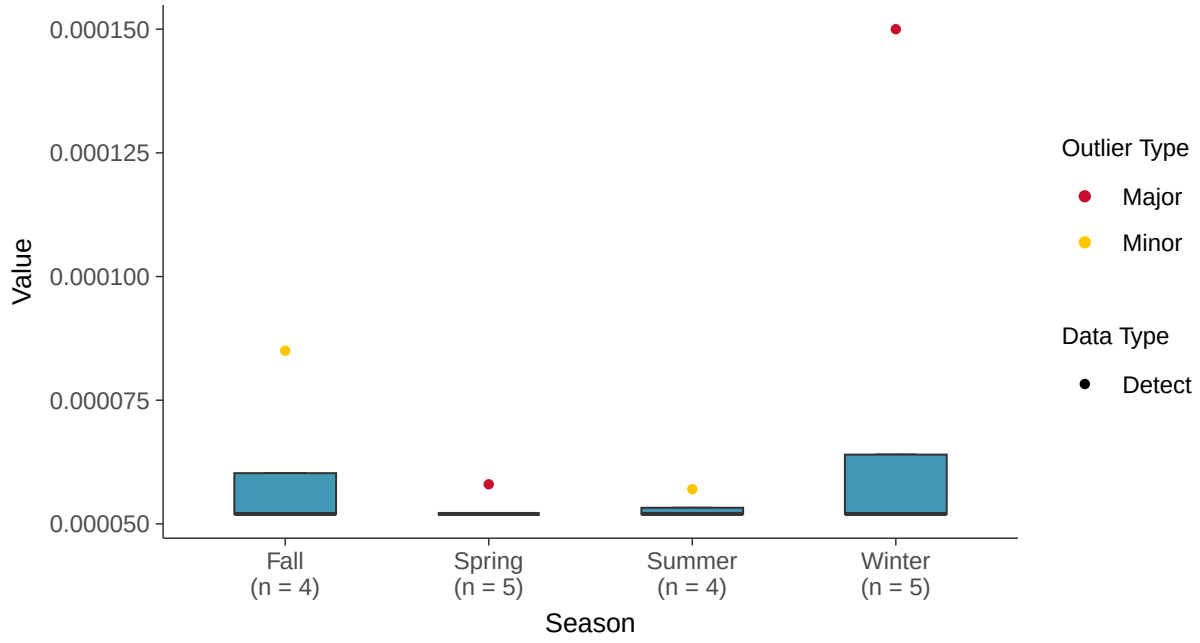
Boxplot

Beryllium, MW-09 (mg/L)



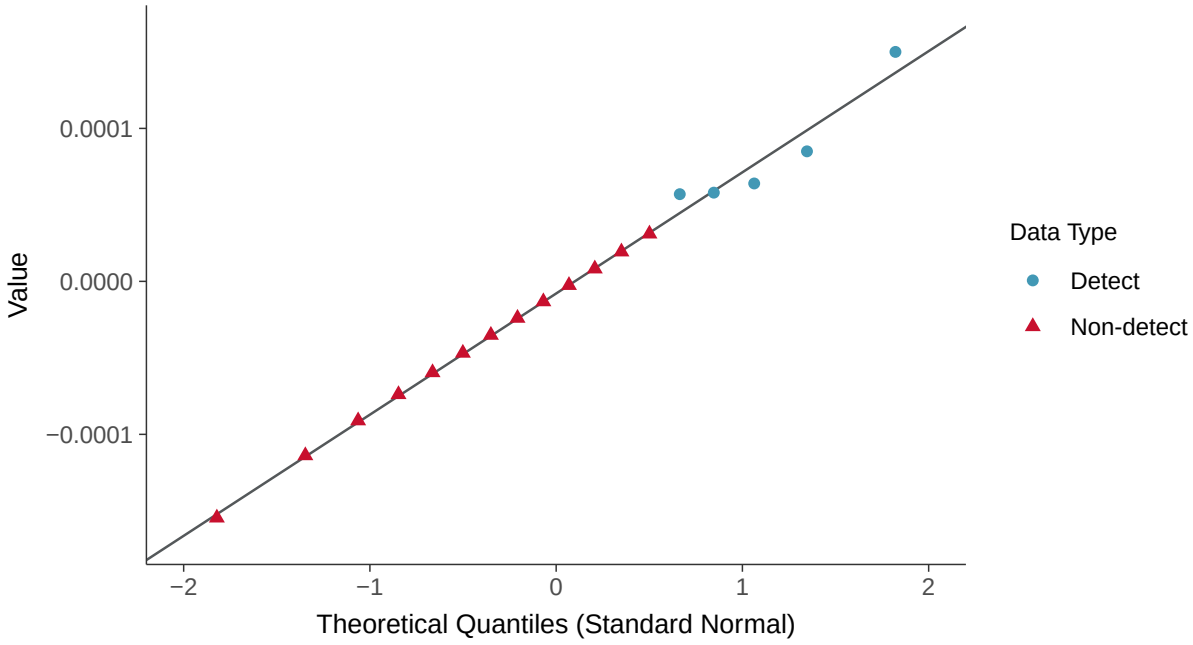
Boxplot by Season

Beryllium, MW-09 (mg/L)



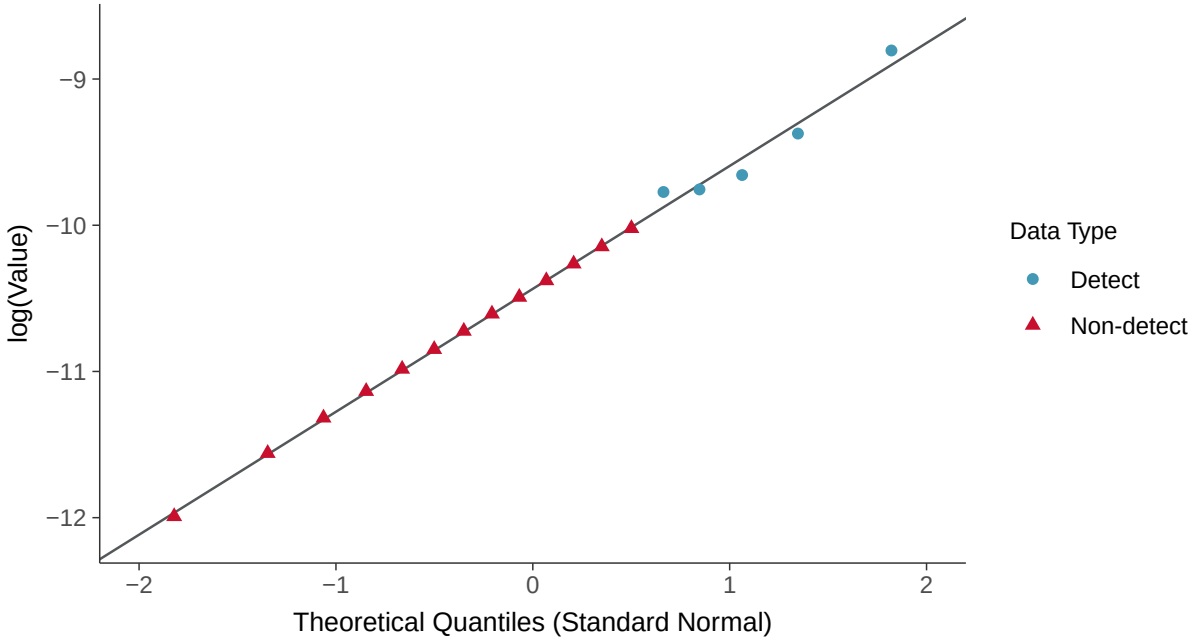
Normal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-09 (mg/L)



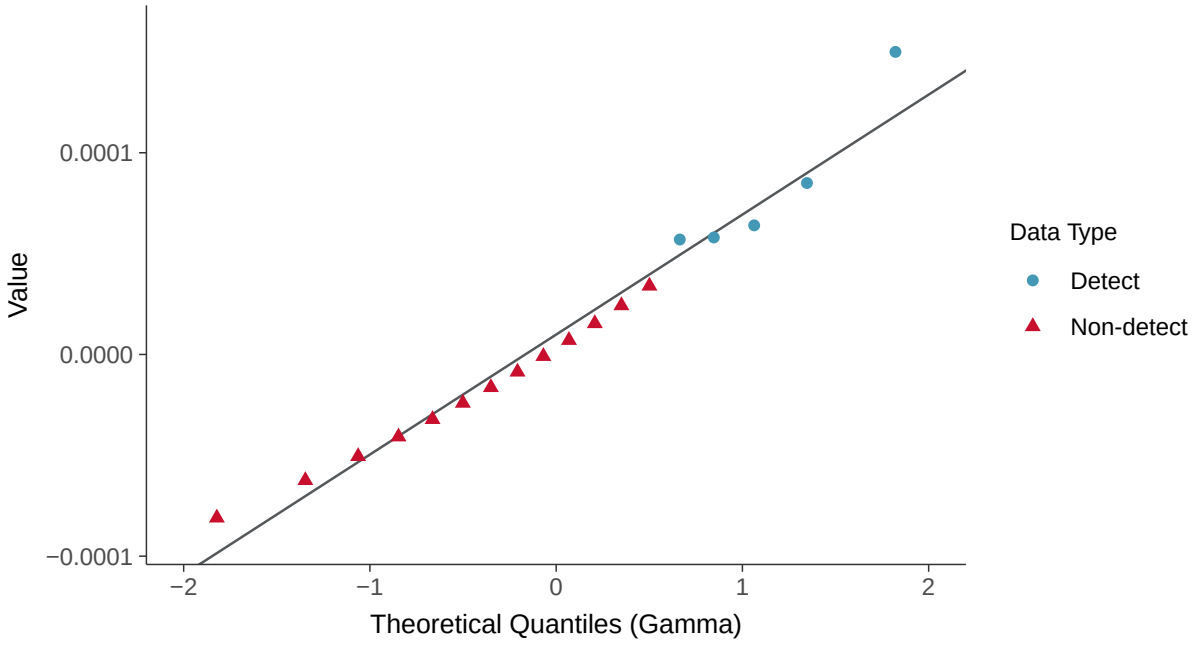
Lognormal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-09 (mg/L)



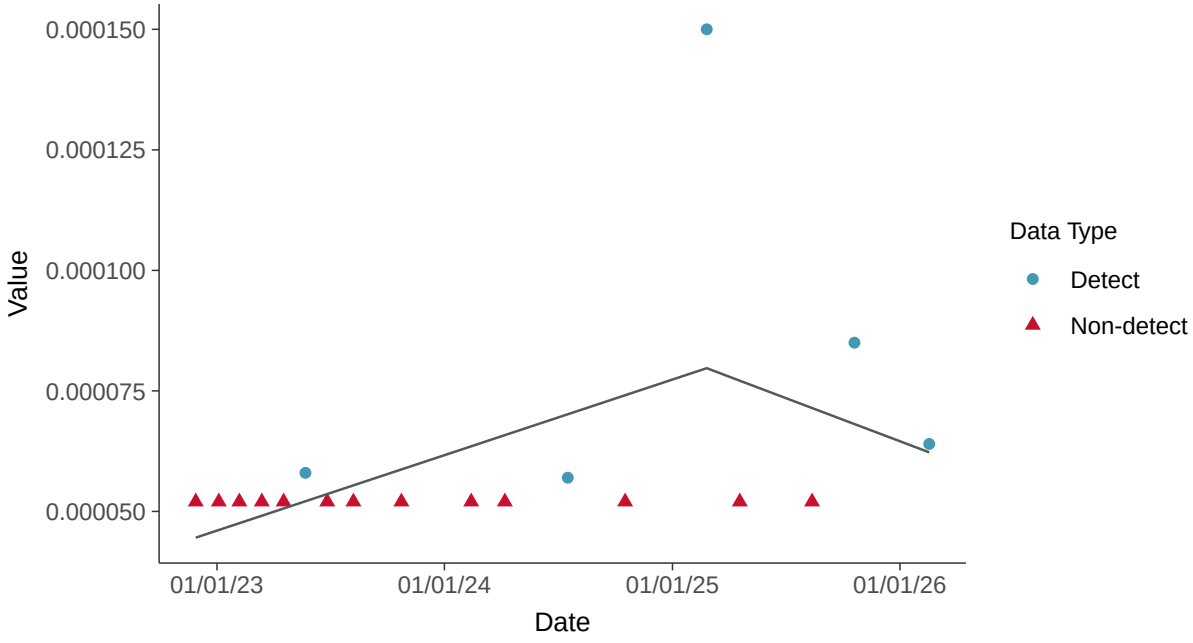
Gamma Q-Q plot using ROS Imputed Estimates

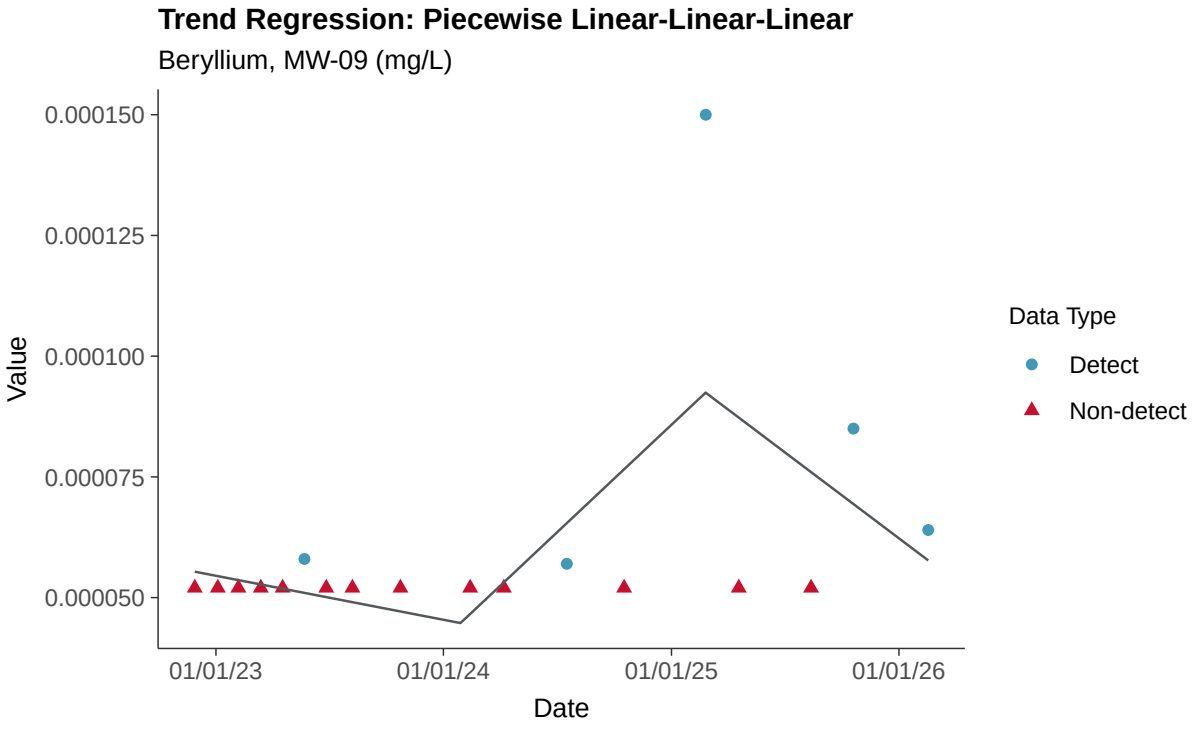
Beryllium, MW-09 (mg/L)



Trend Regression: Piecewise Linear-Linear

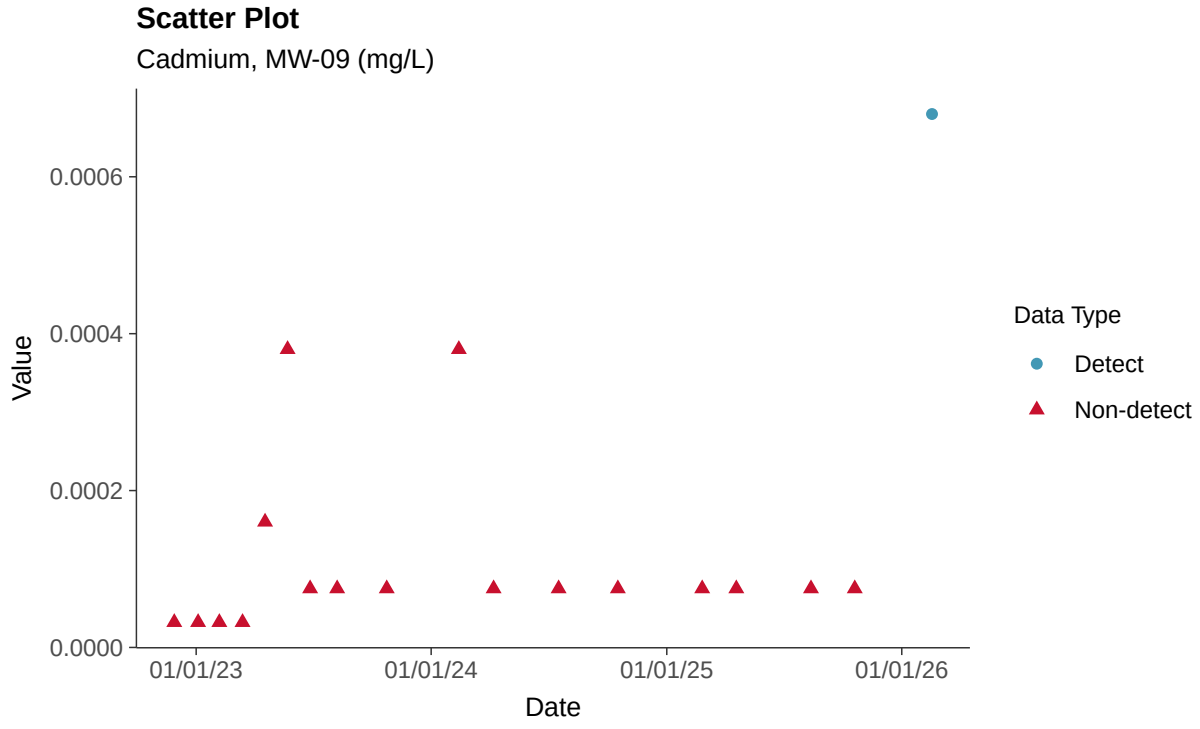
Beryllium, MW-09 (mg/L)

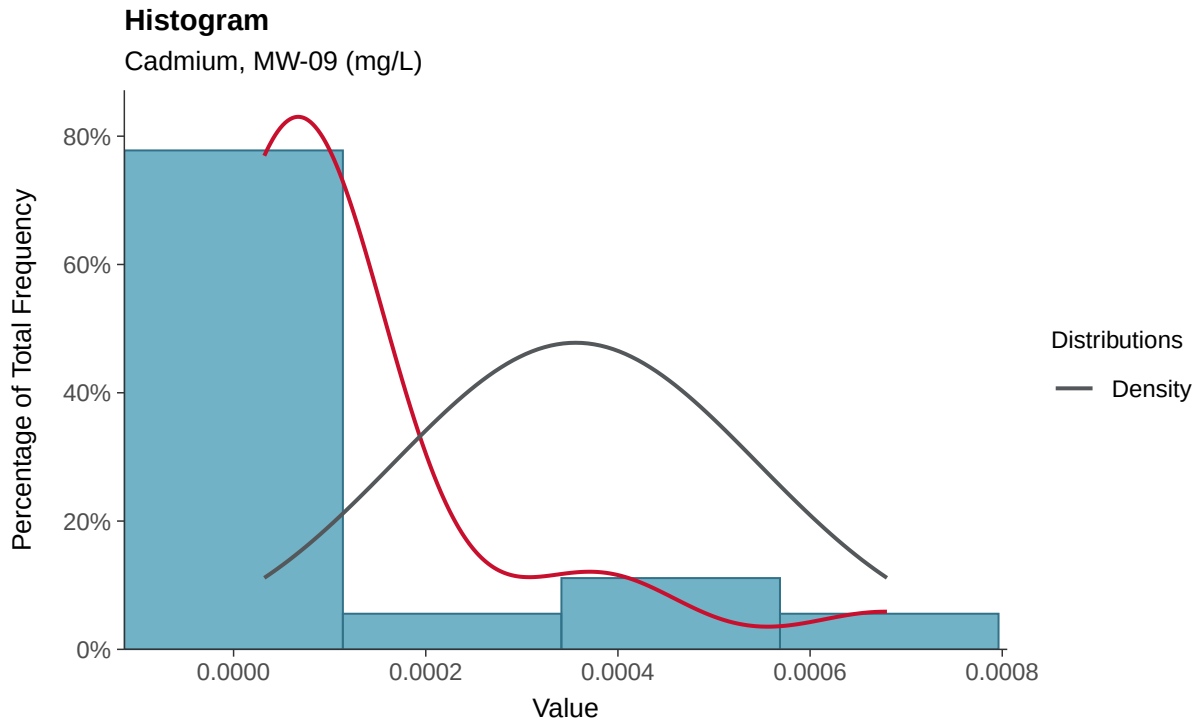



Trend Regression: Piecewise Linear-Linear-Linear
Beryllium, MW-09 (mg/L)
0.000150
0.000125
0.000100
0.000075
0.000050
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Cadmium, MW-09

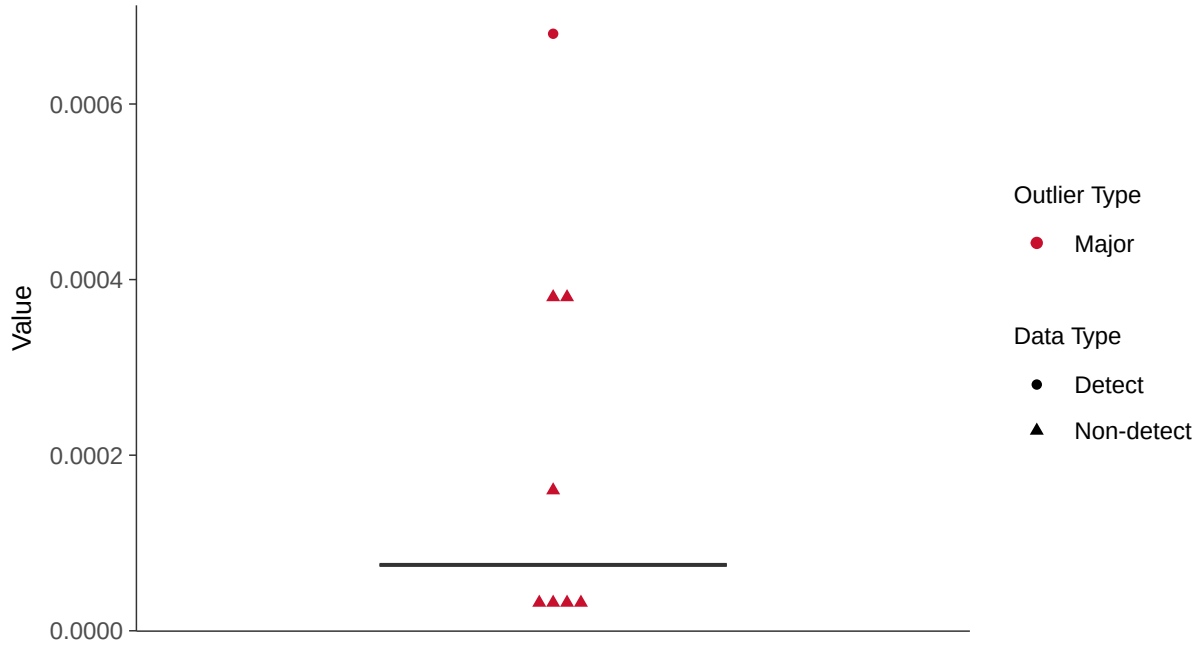
ID: 19_2_4_106





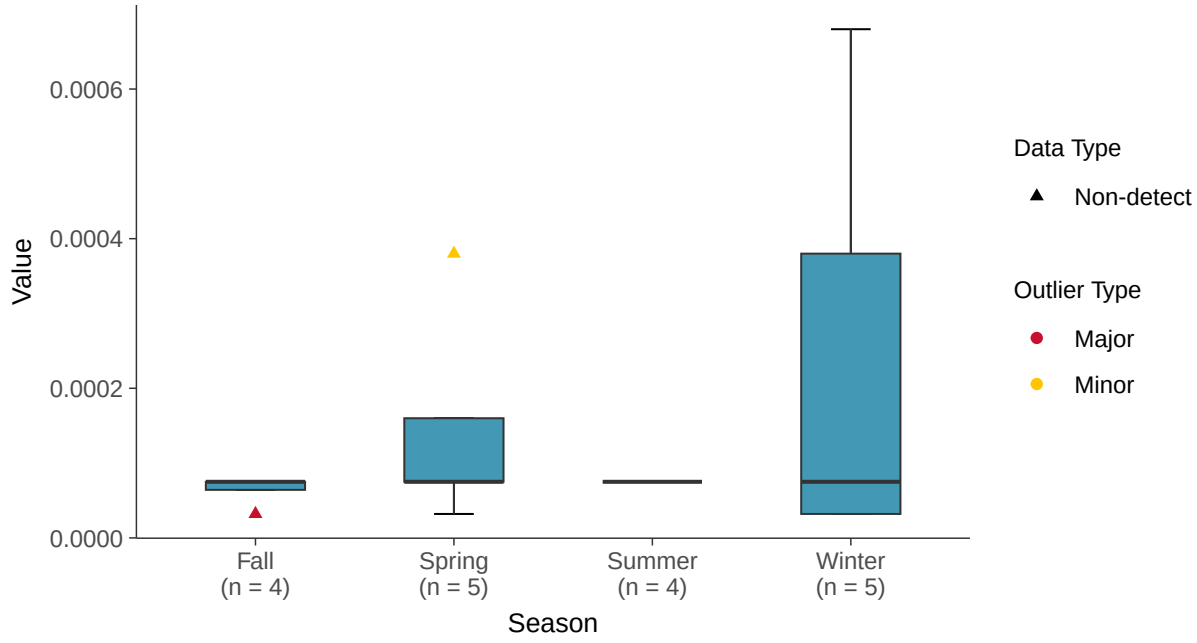
Boxplot

Cadmium, MW-09 (mg/L)



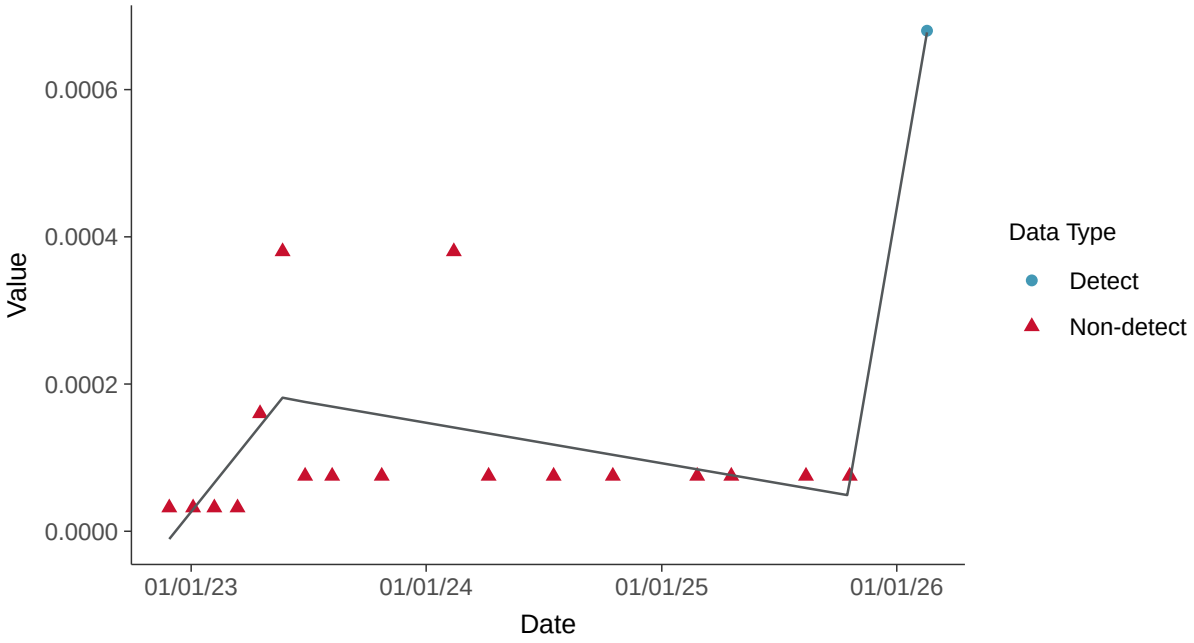
Boxplot by Season

Cadmium, MW-09 (mg/L)



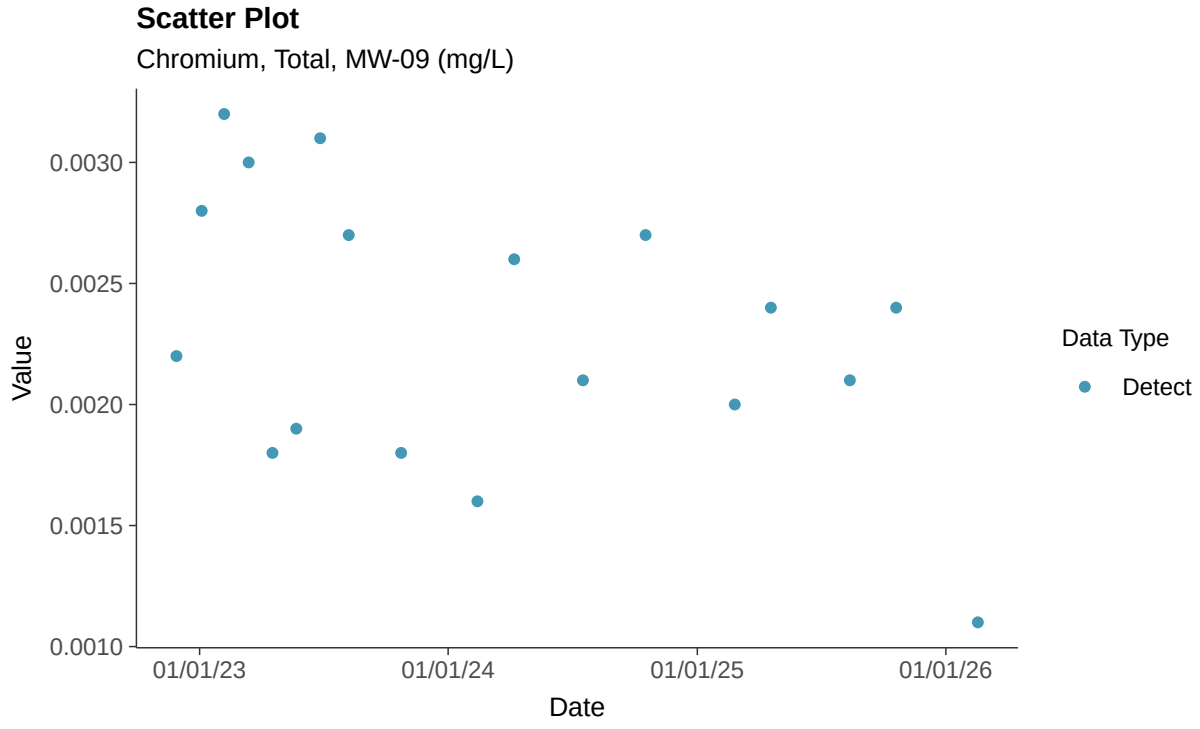
Trend Regression: Piecewise Linear-Linear-Linear

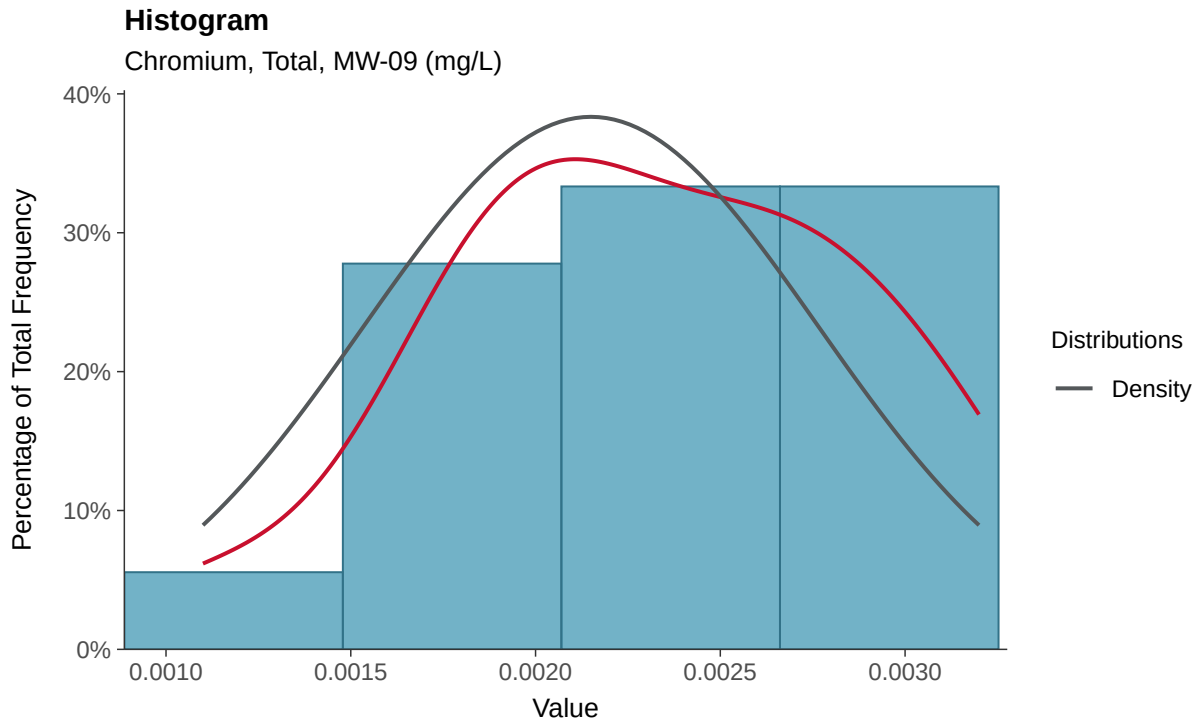
Cadmium, MW-09 (mg/L)



Appendix IV: Chromium, Total, MW-09

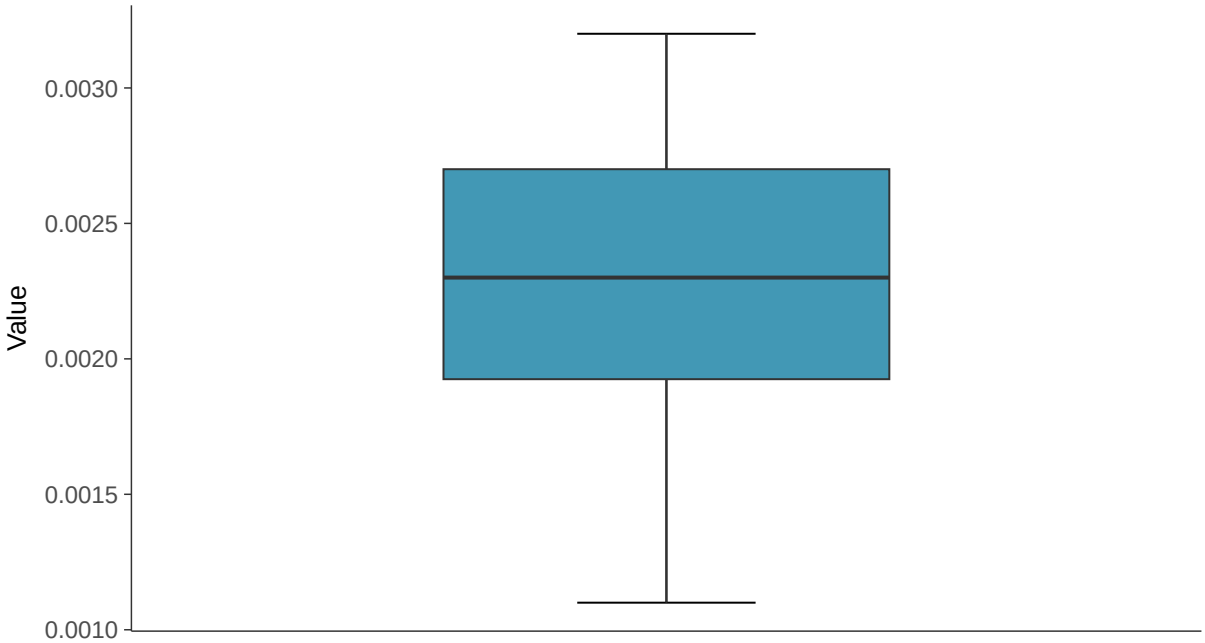
ID: 19_2_4_109





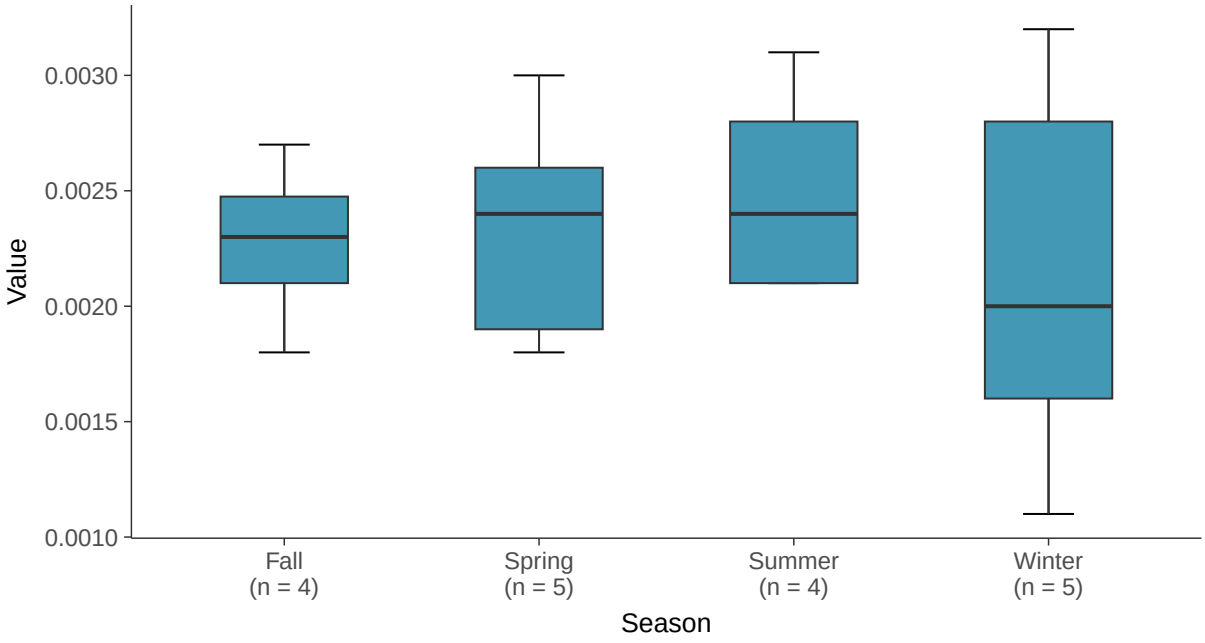
Boxplot

Chromium, Total, MW-09 (mg/L)



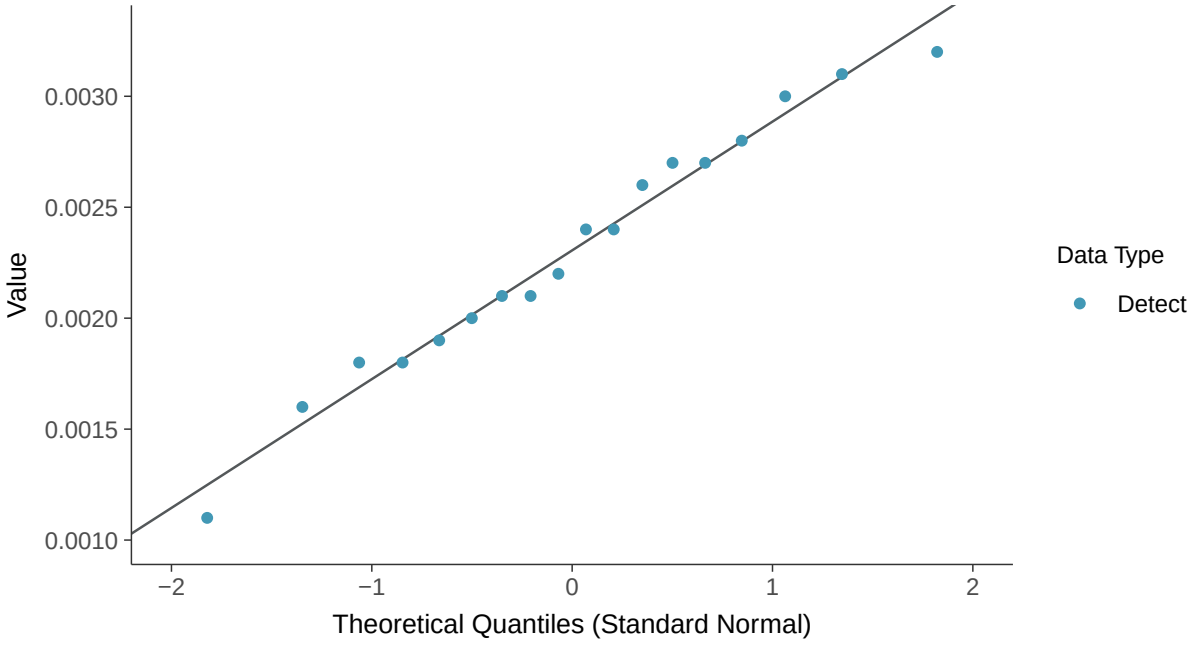
Boxplot by Season

Chromium, Total, MW-09 (mg/L)



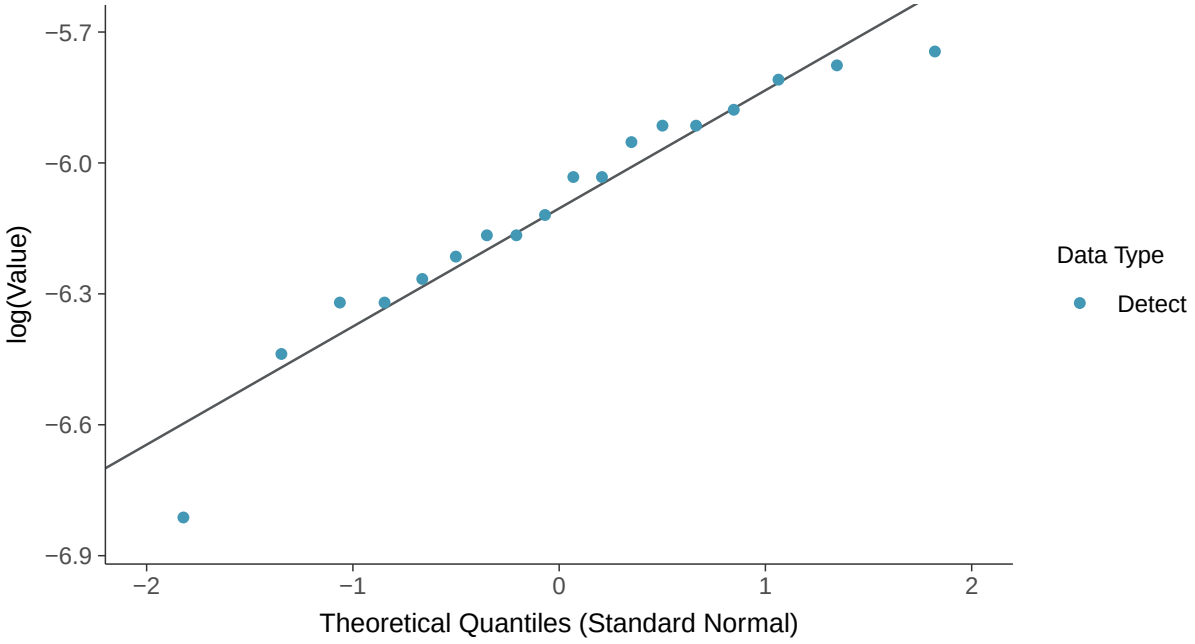
Normal Q-Q plot

Chromium, Total, MW-09 (mg/L)



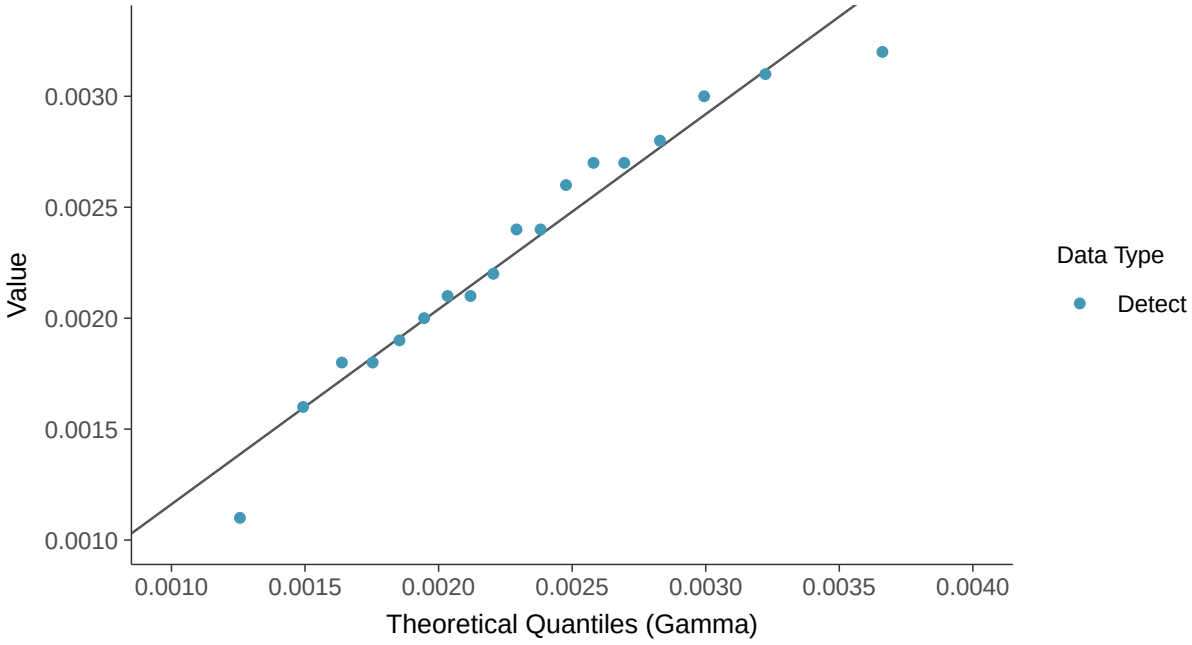
Lognormal Q-Q plot

Chromium, Total, MW-09 (mg/L)



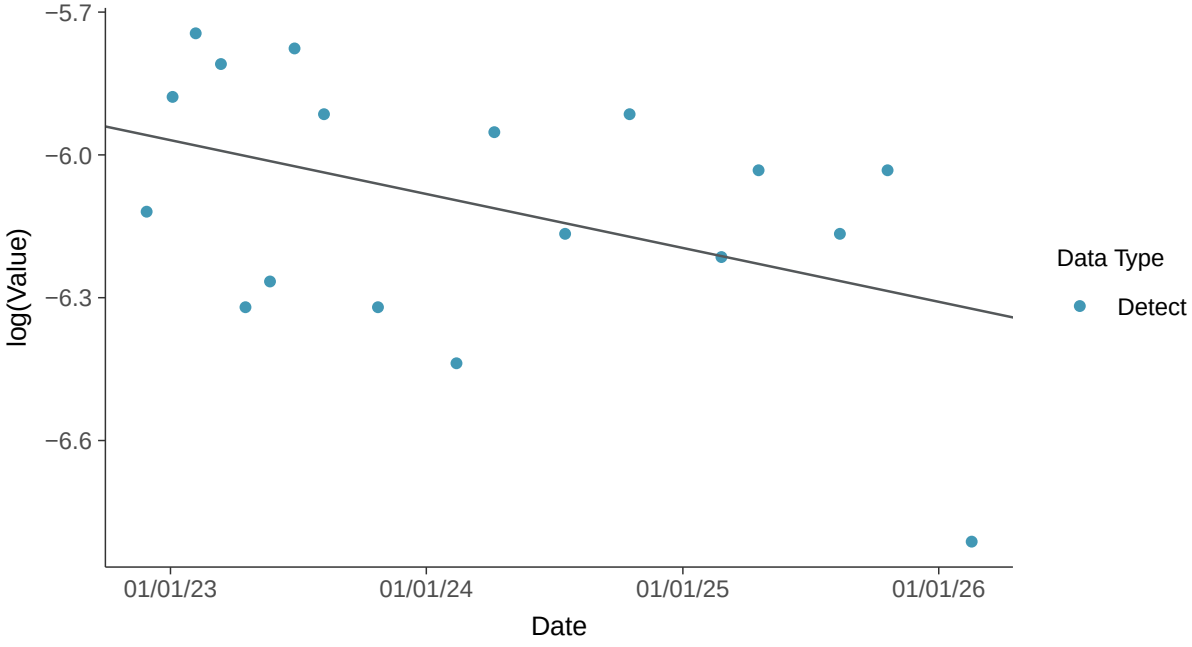
Gamma Q-Q plot

Chromium, Total, MW-09 (mg/L)



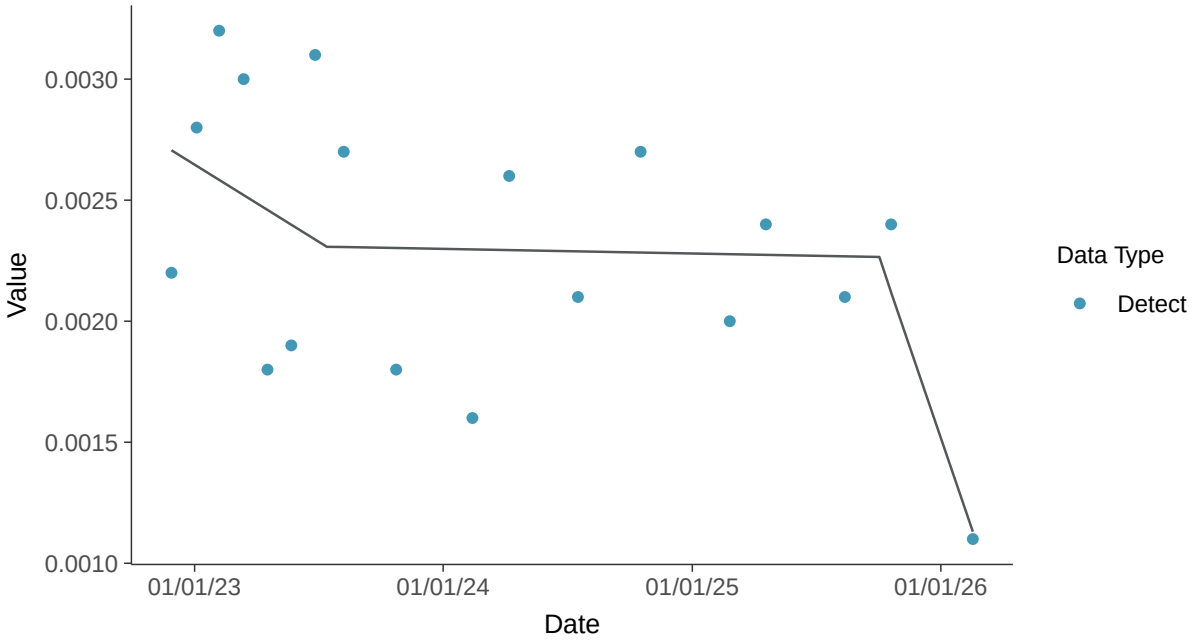
Trend Regression: Lognormal MLE

Chromium, Total, MW-09 (mg/L)



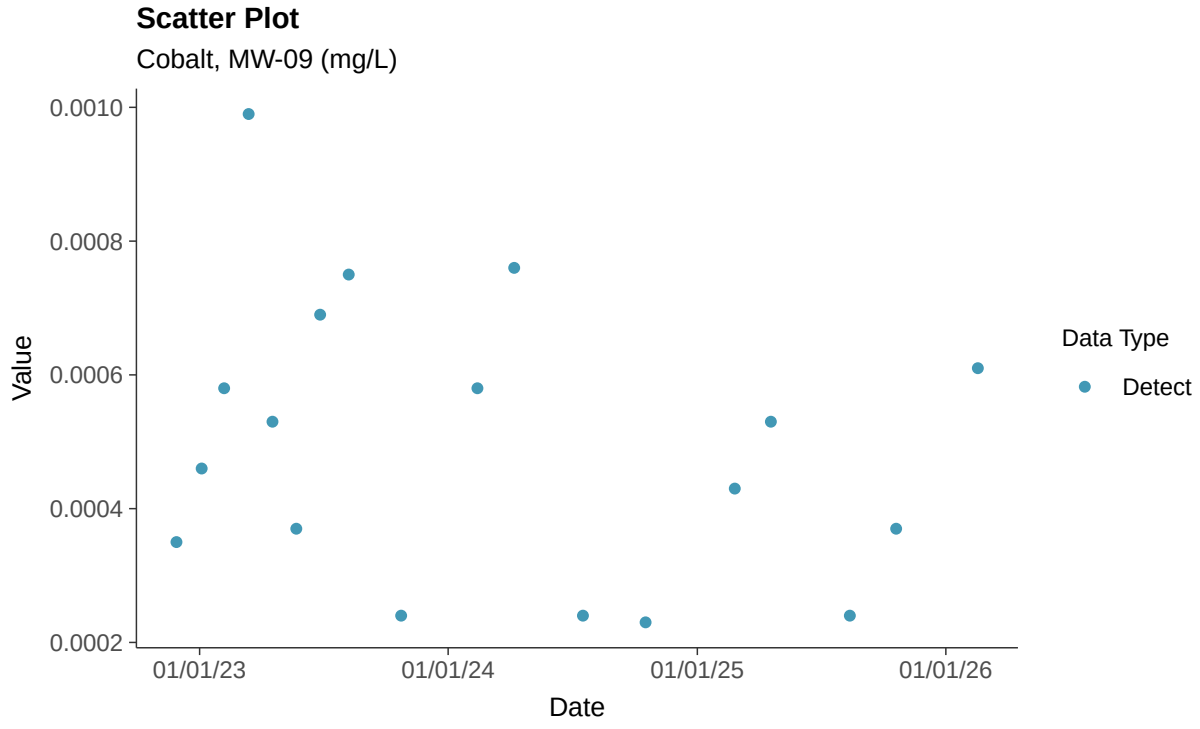
Trend Regression: Piecewise Linear-Linear-Linear

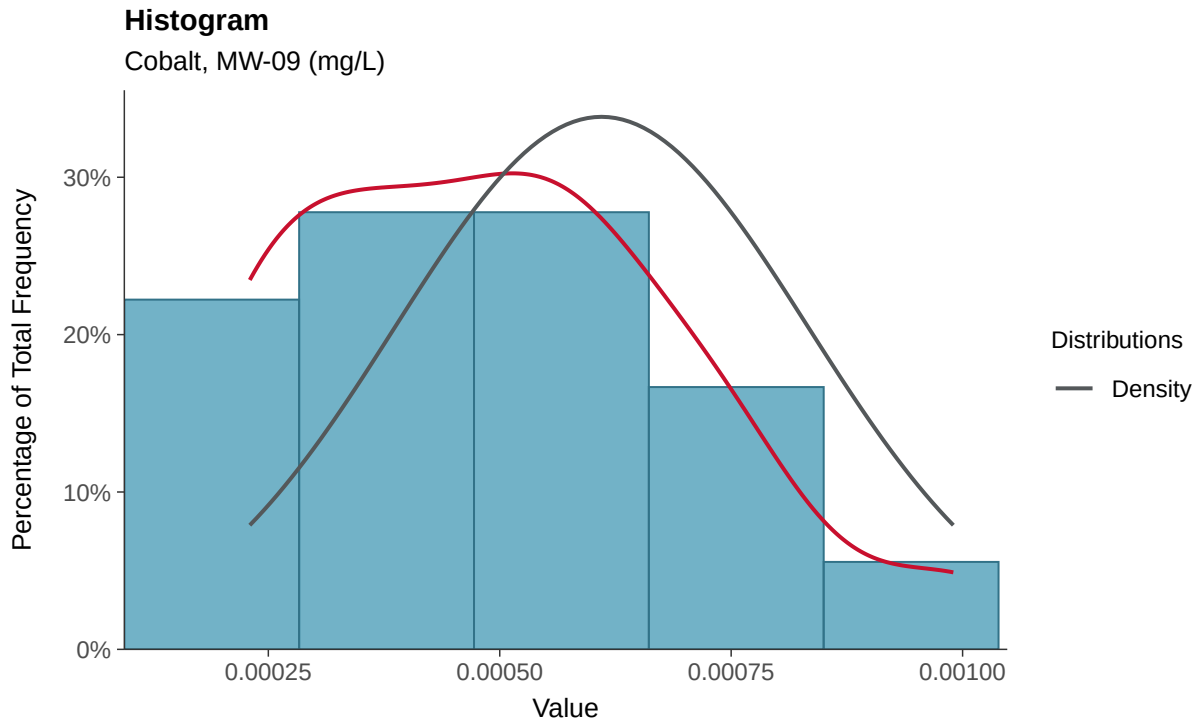
Chromium, Total, MW-09 (mg/L)



Appendix IV: Cobalt, MW-09

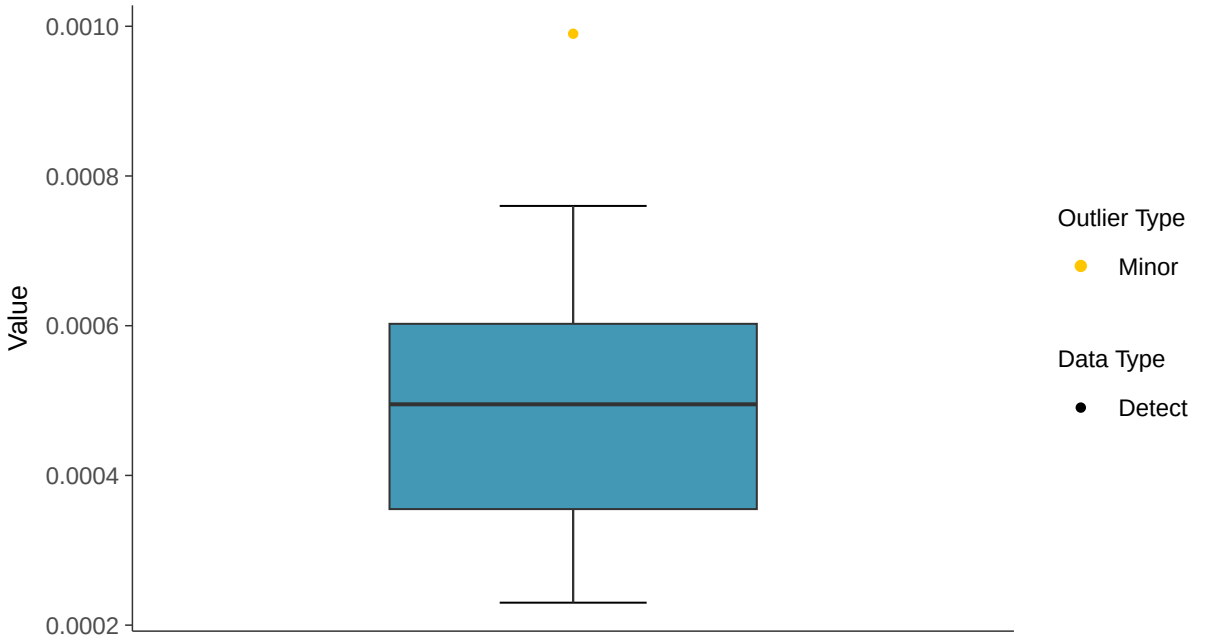
ID: 19_2_4_110





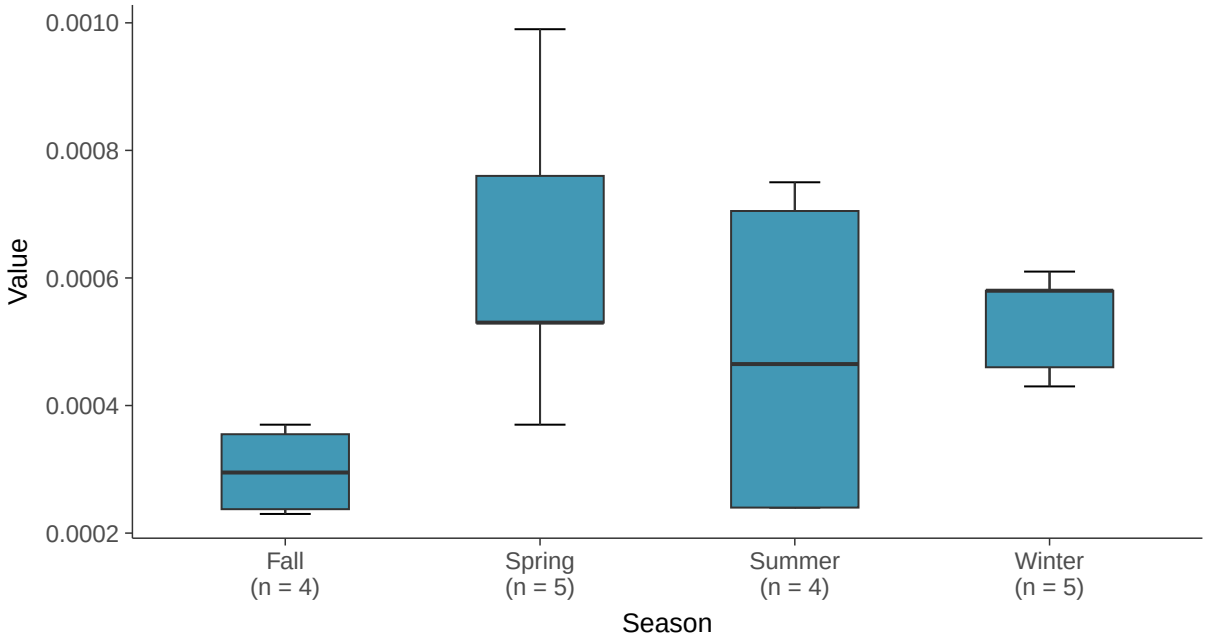
Boxplot

Cobalt, MW-09 (mg/L)



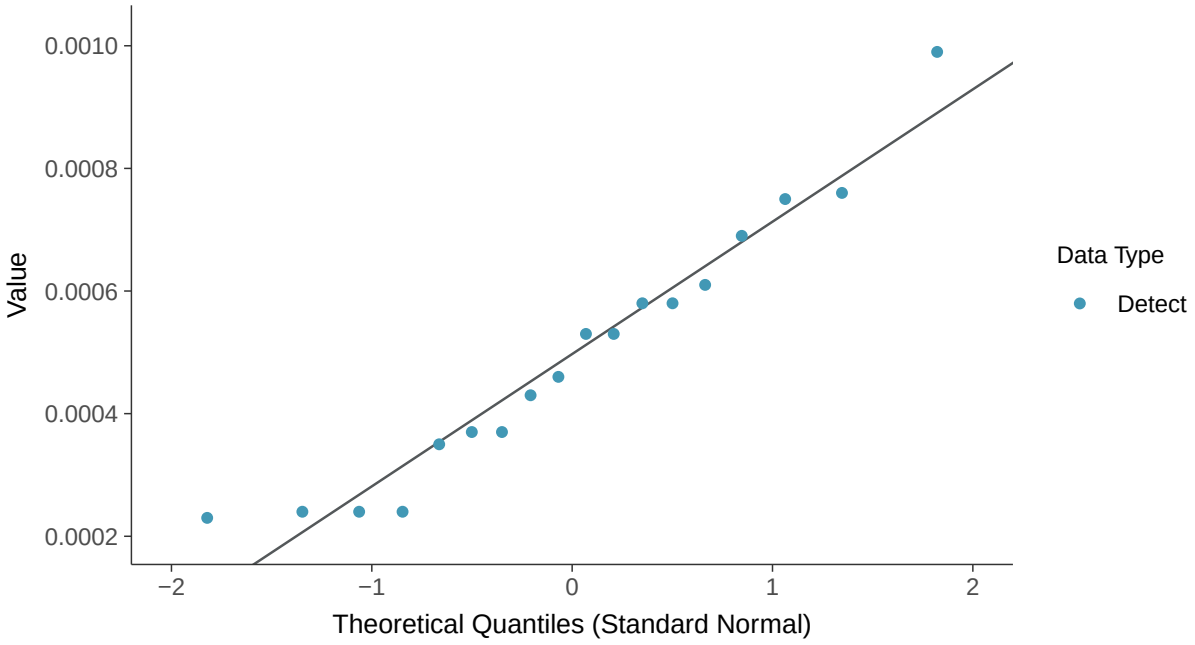
Boxplot by Season

Cobalt, MW-09 (mg/L)



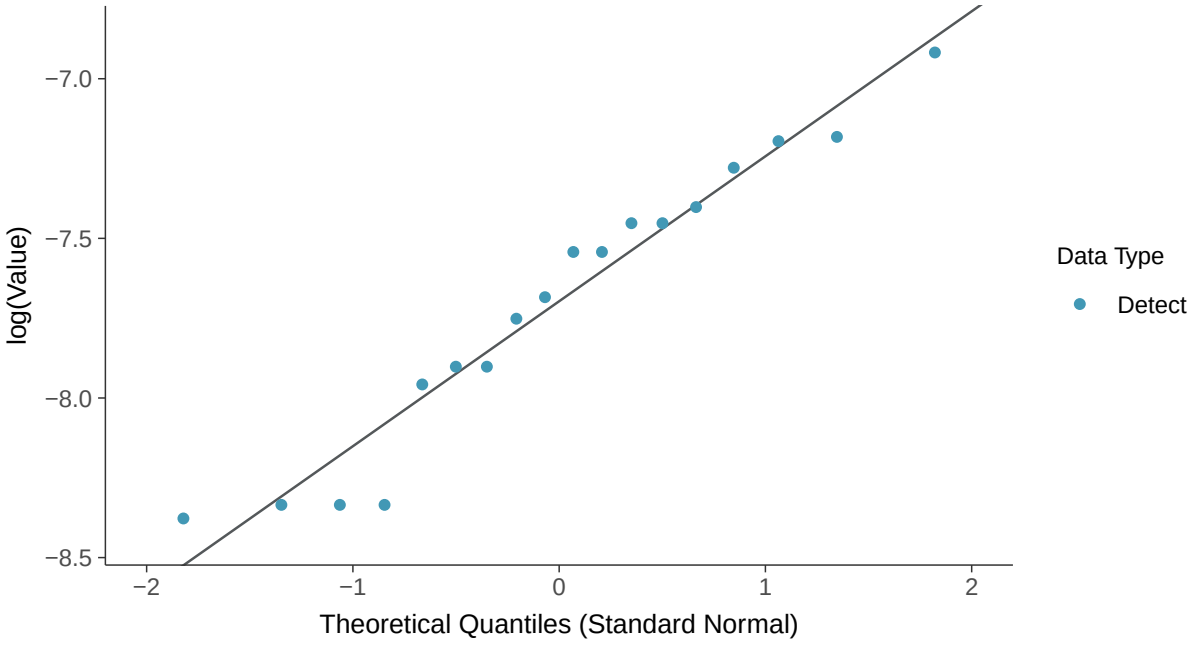
Normal Q-Q plot

Cobalt, MW-09 (mg/L)



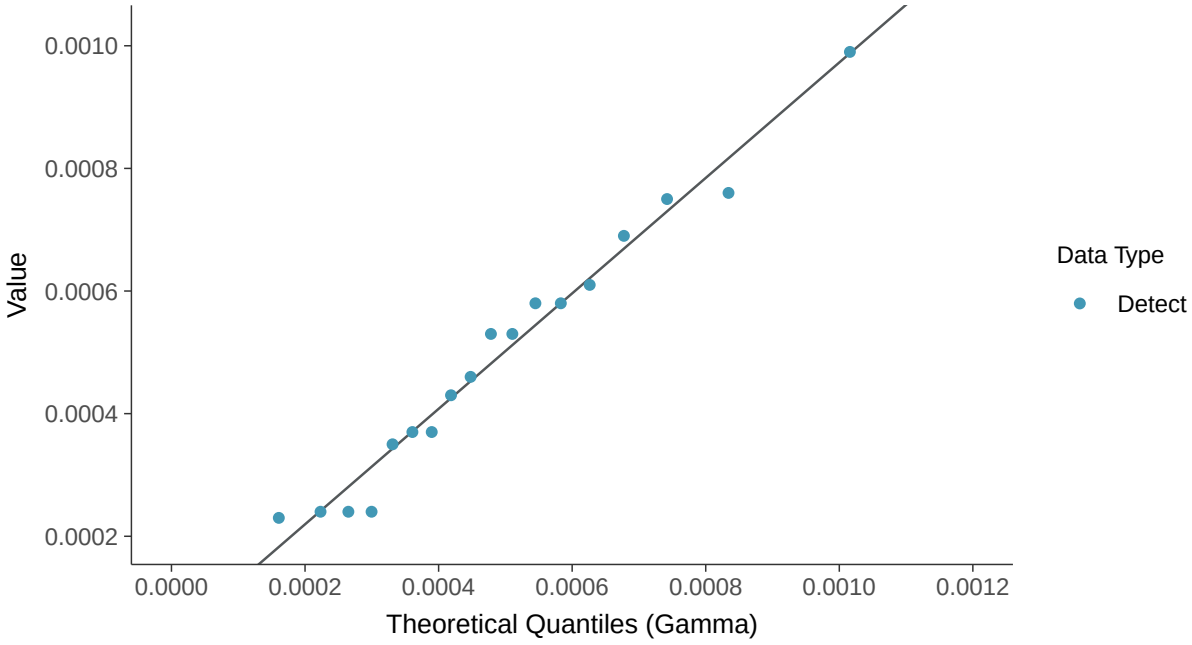
Lognormal Q-Q plot

Cobalt, MW-09 (mg/L)



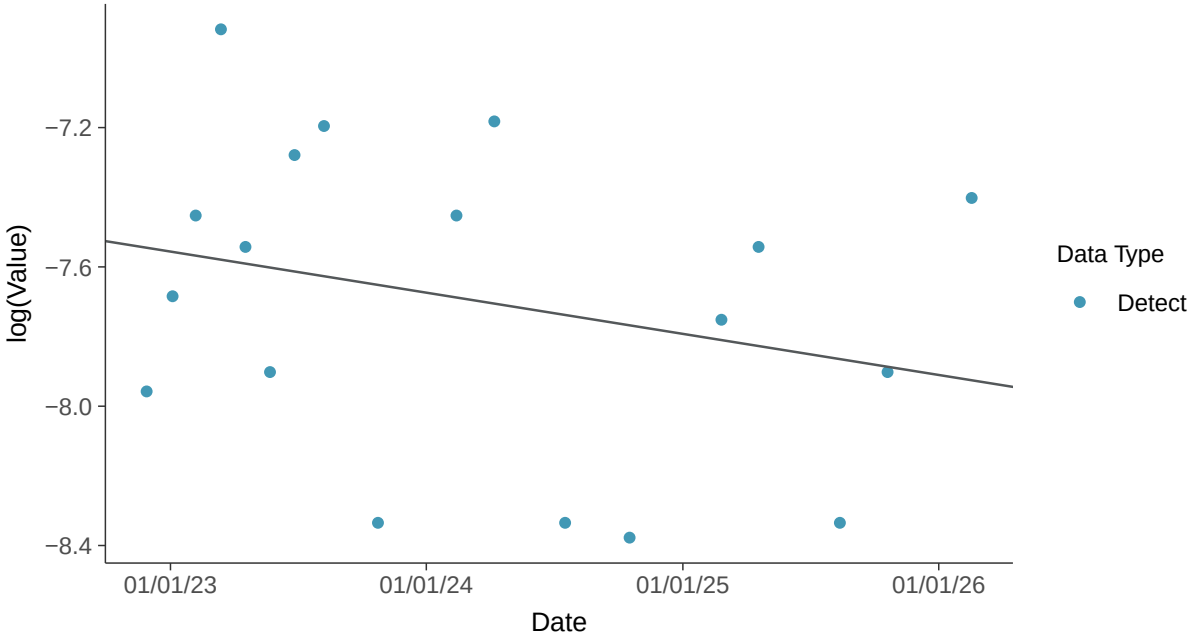
Gamma Q-Q plot

Cobalt, MW-09 (mg/L)



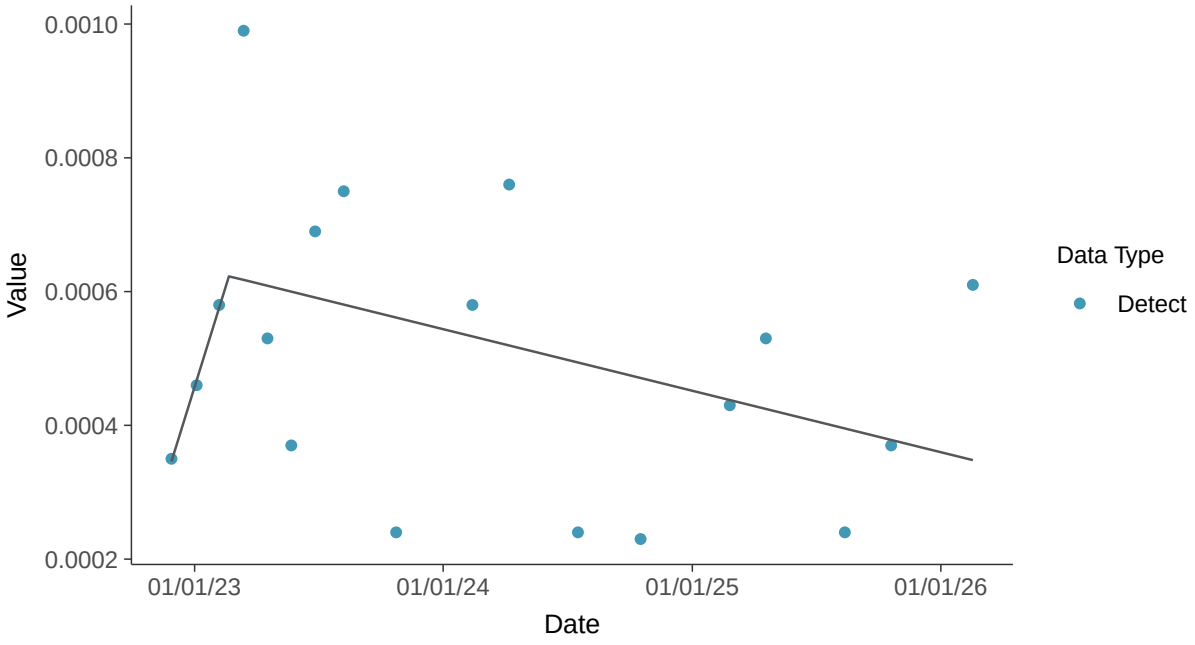
Trend Regression: Lognormal MLE

Cobalt, MW-09 (mg/L)



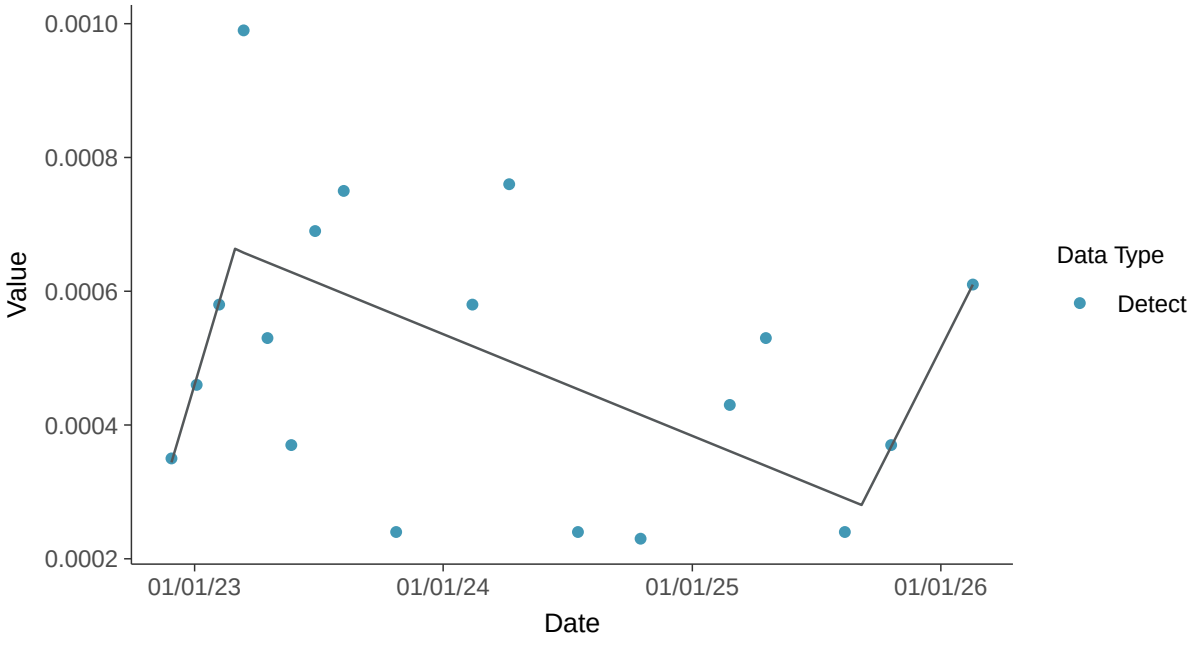
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-09 (mg/L)



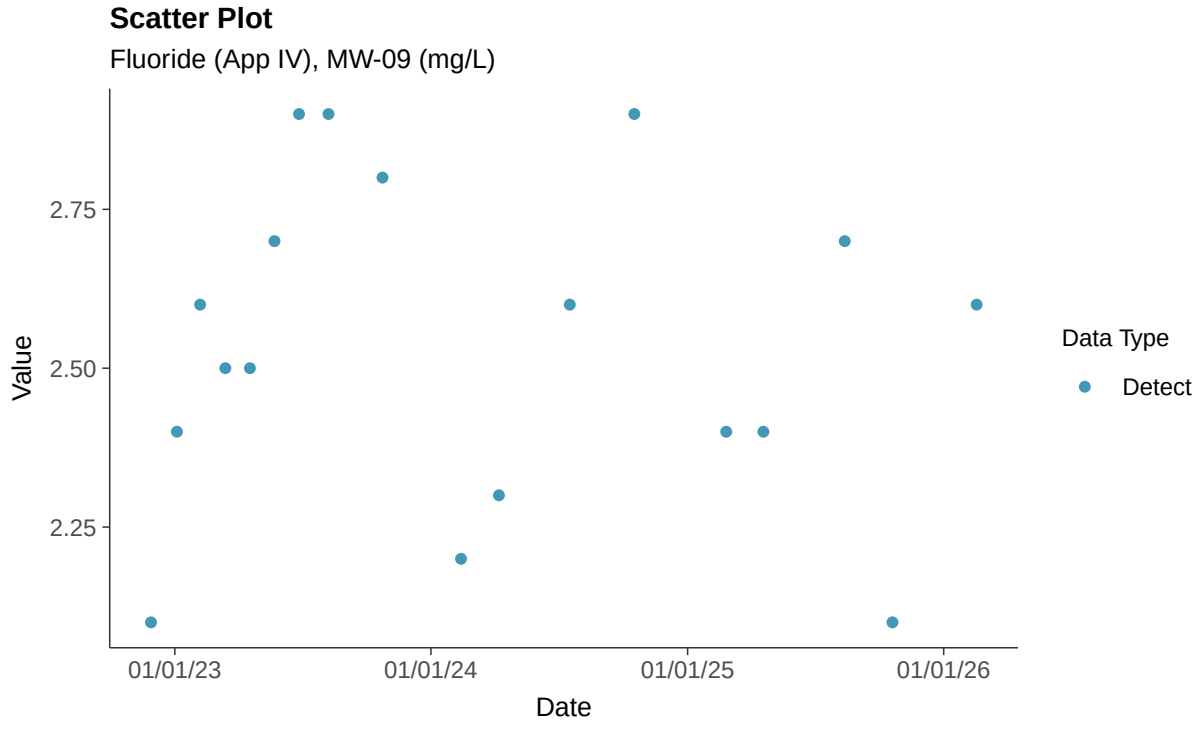
Trend Regression: Piecewise Linear-Linear-Linear

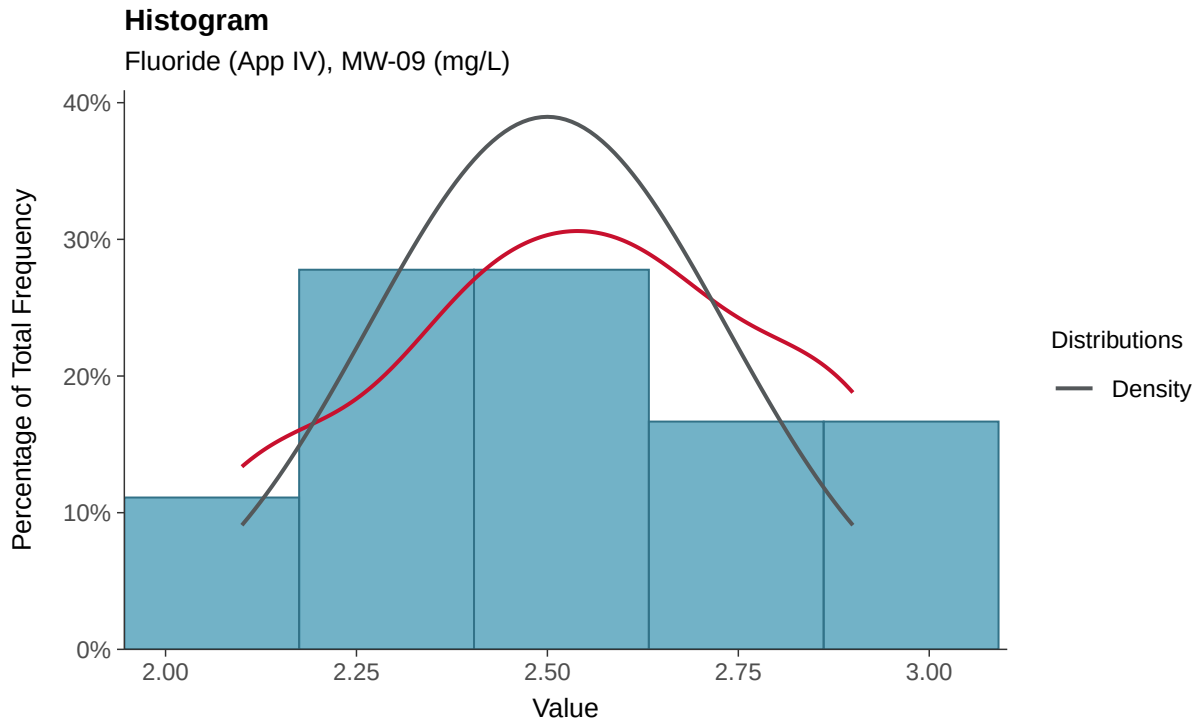
Cobalt, MW-09 (mg/L)



Appendix IV: Fluoride (App IV), MW-09

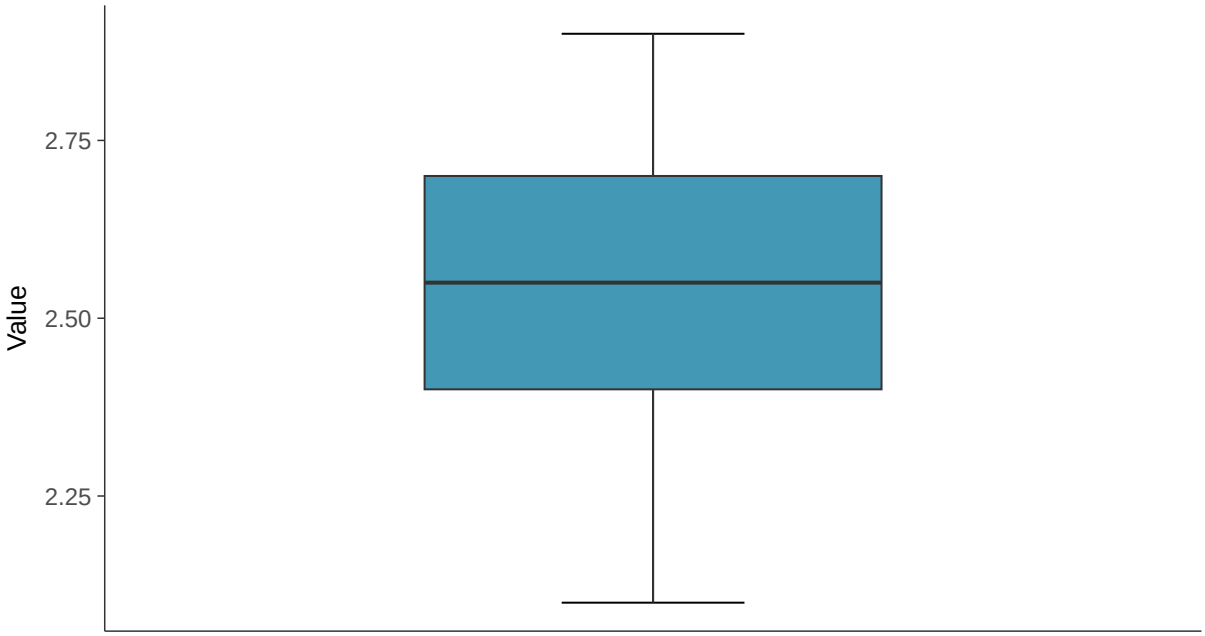
ID: 19_2_4_113





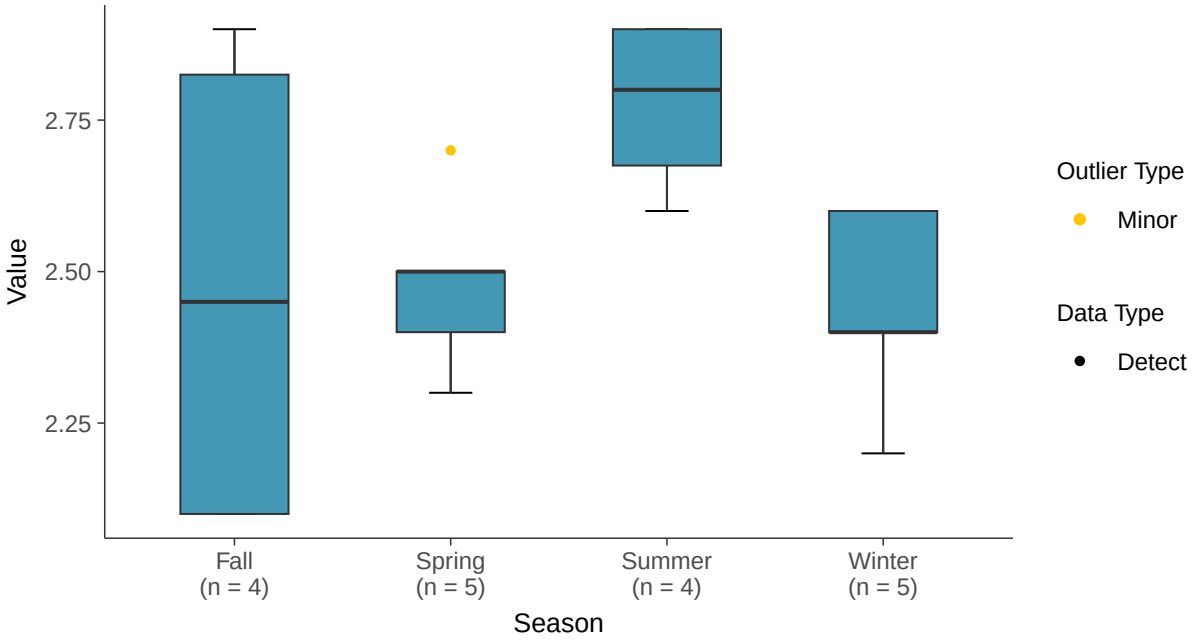
Boxplot

Fluoride (App IV), MW-09 (mg/L)



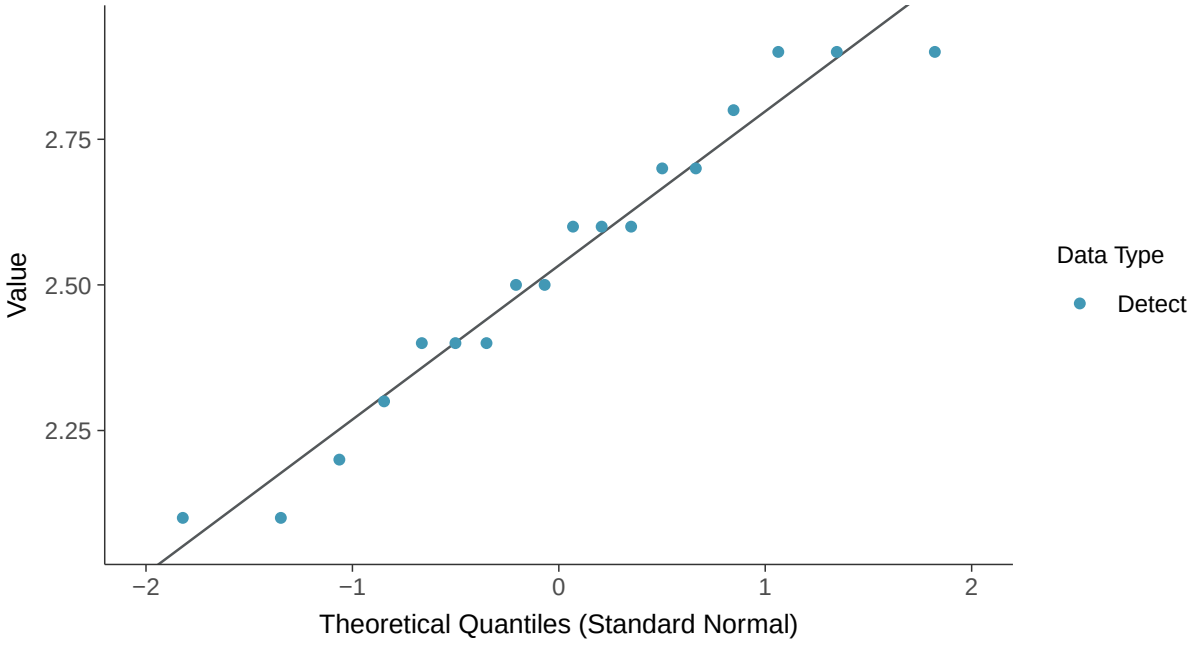
Boxplot by Season

Fluoride (App IV), MW-09 (mg/L)



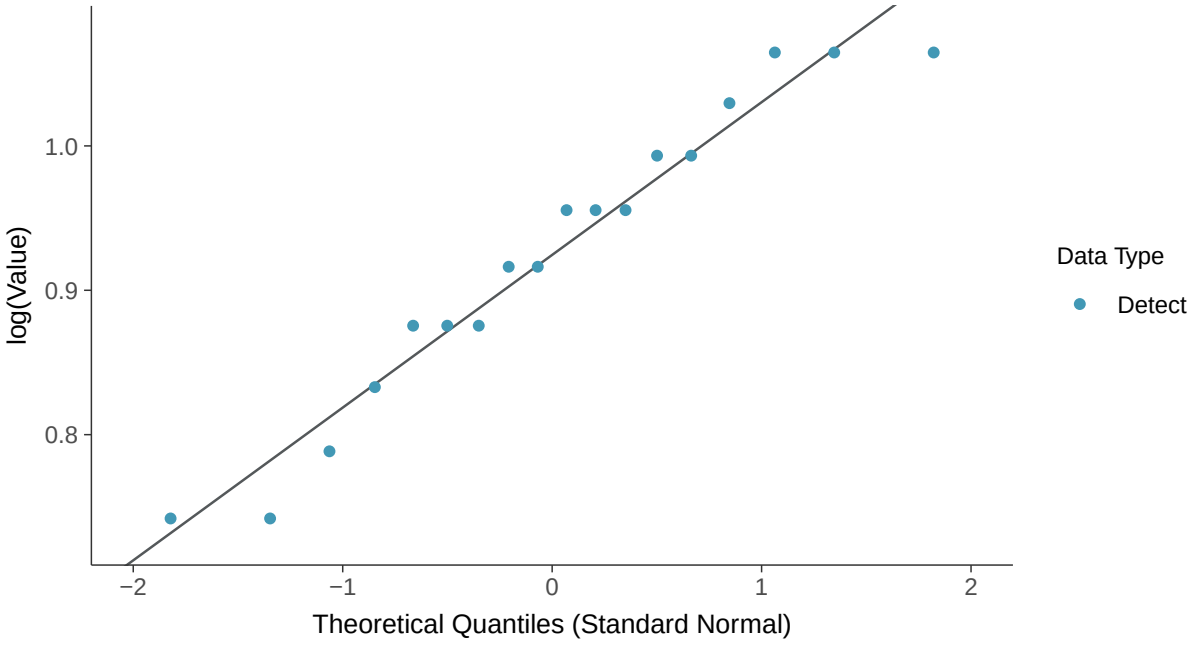
Normal Q-Q plot

Fluoride (App IV), MW-09 (mg/L)



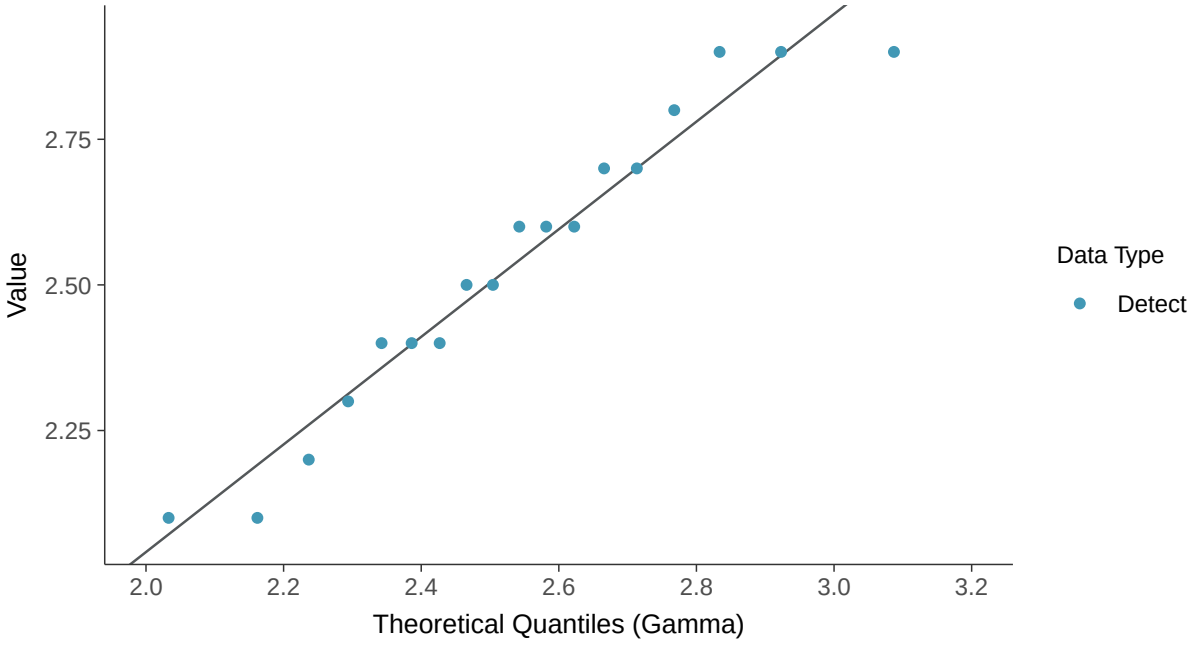
Lognormal Q-Q plot

Fluoride (App IV), MW-09 (mg/L)



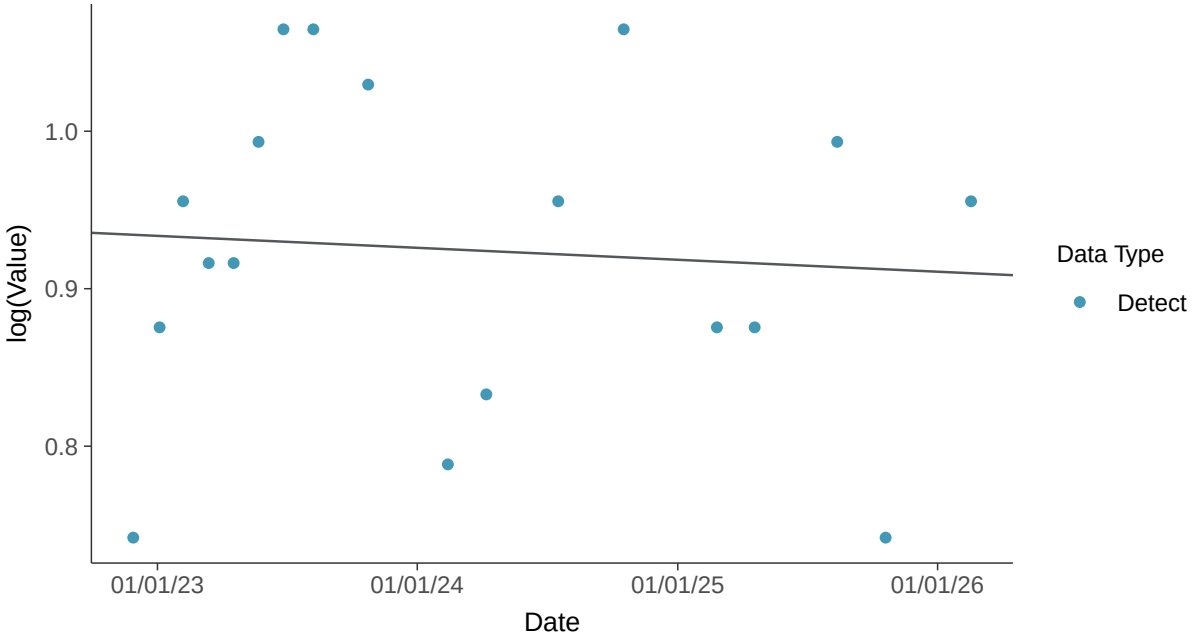
Gamma Q-Q plot

Fluoride (App IV), MW-09 (mg/L)



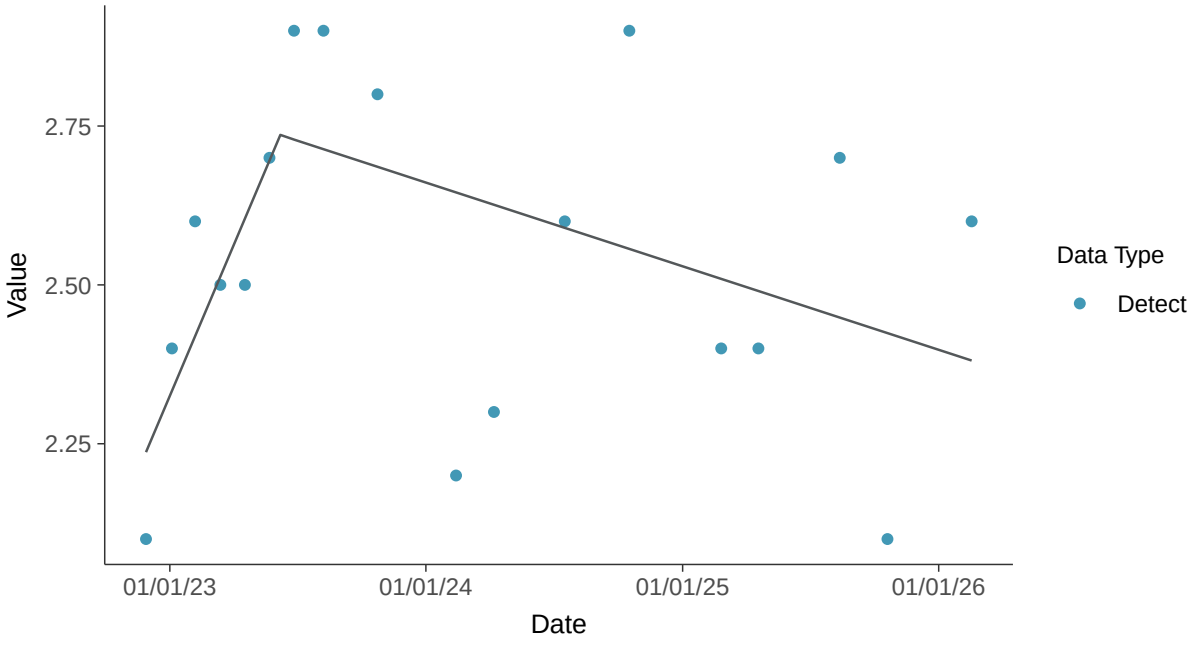
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-09 (mg/L)



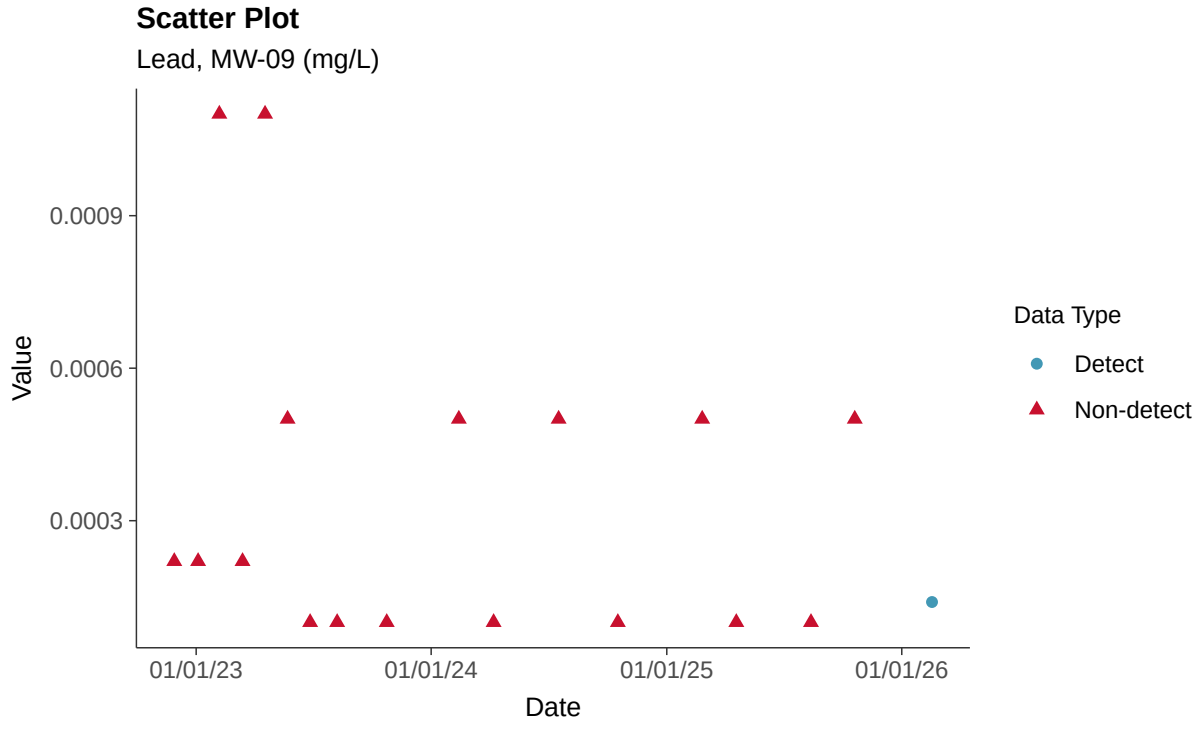
Trend Regression: Piecewise Linear-Linear

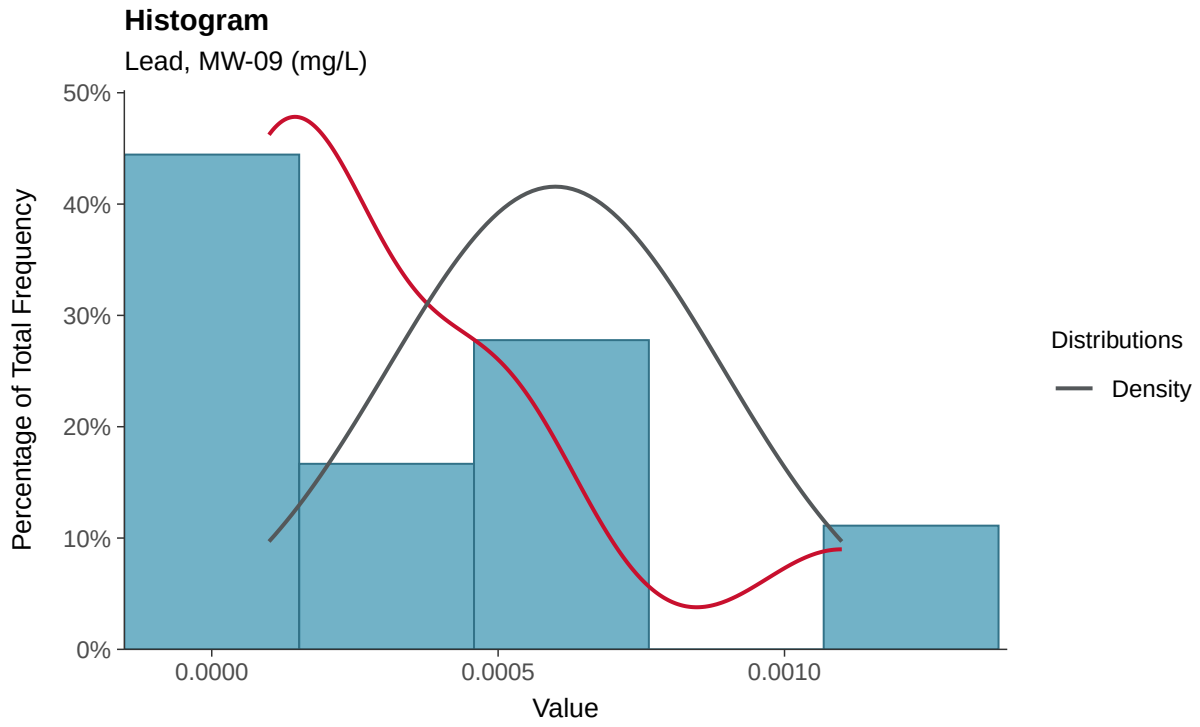
Fluoride (App IV), MW-09 (mg/L)



Appendix IV: Lead, MW-09

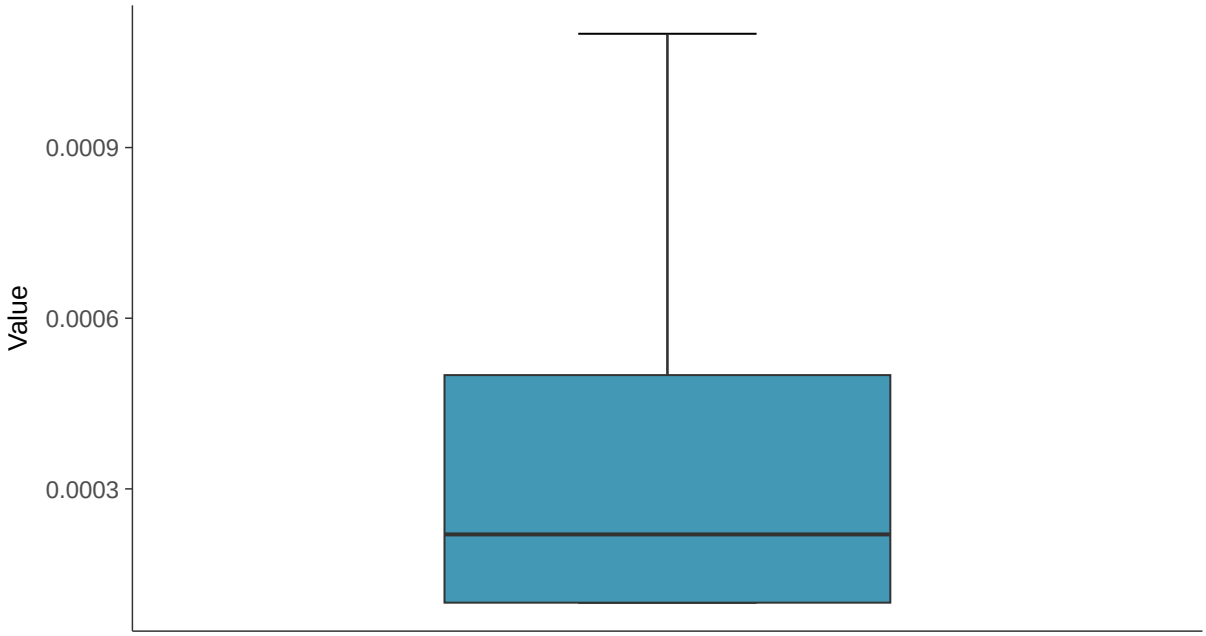
ID: 19_2_4_115





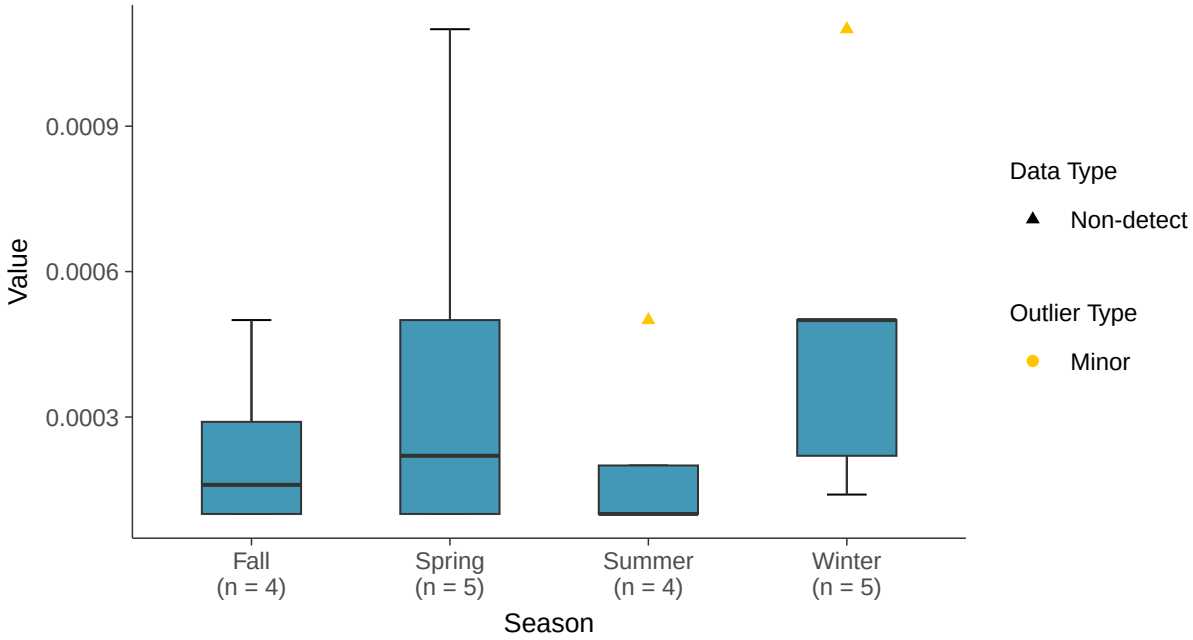
Boxplot

Lead, MW-09 (mg/L)



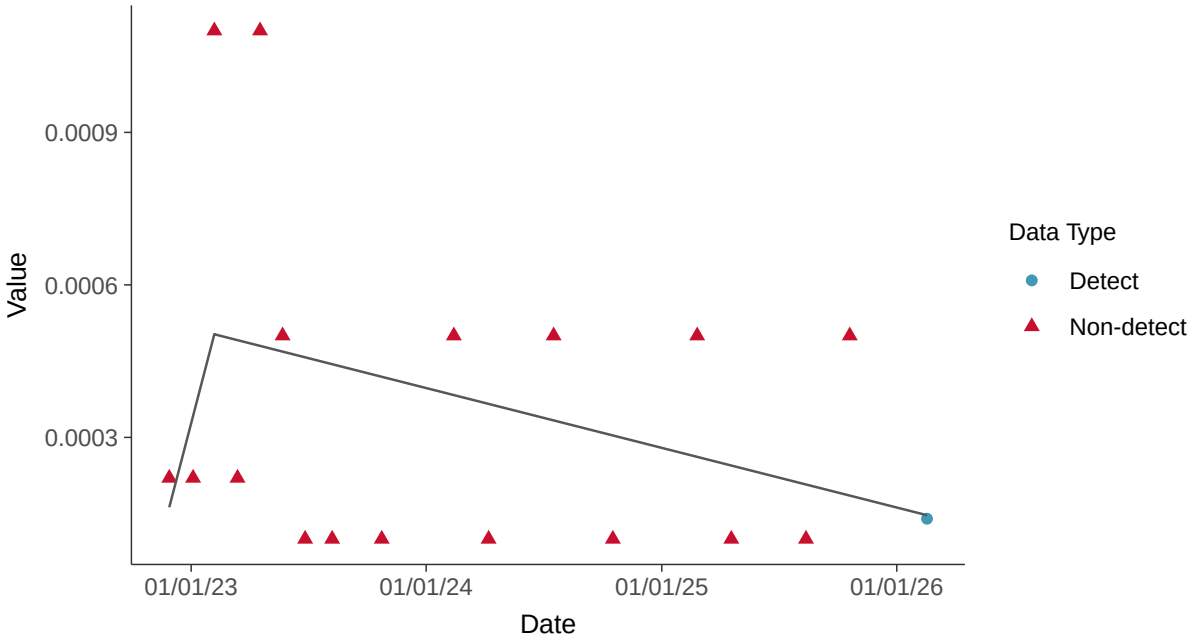
Boxplot by Season

Lead, MW-09 (mg/L)



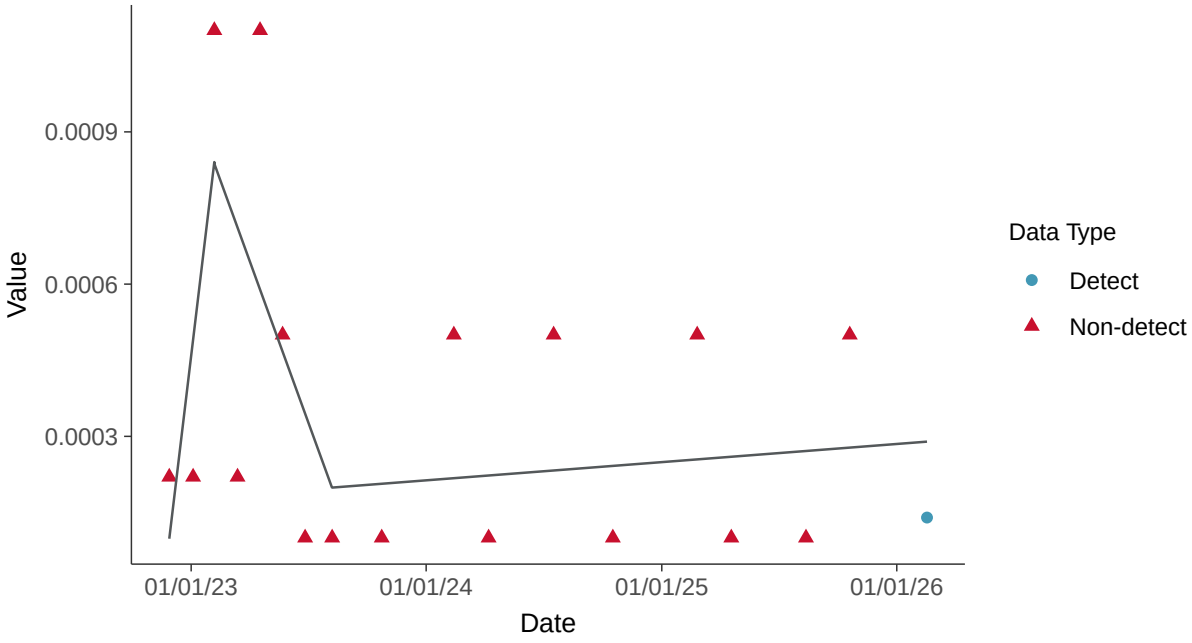
Trend Regression: Piecewise Linear-Linear

Lead, MW-09 (mg/L)



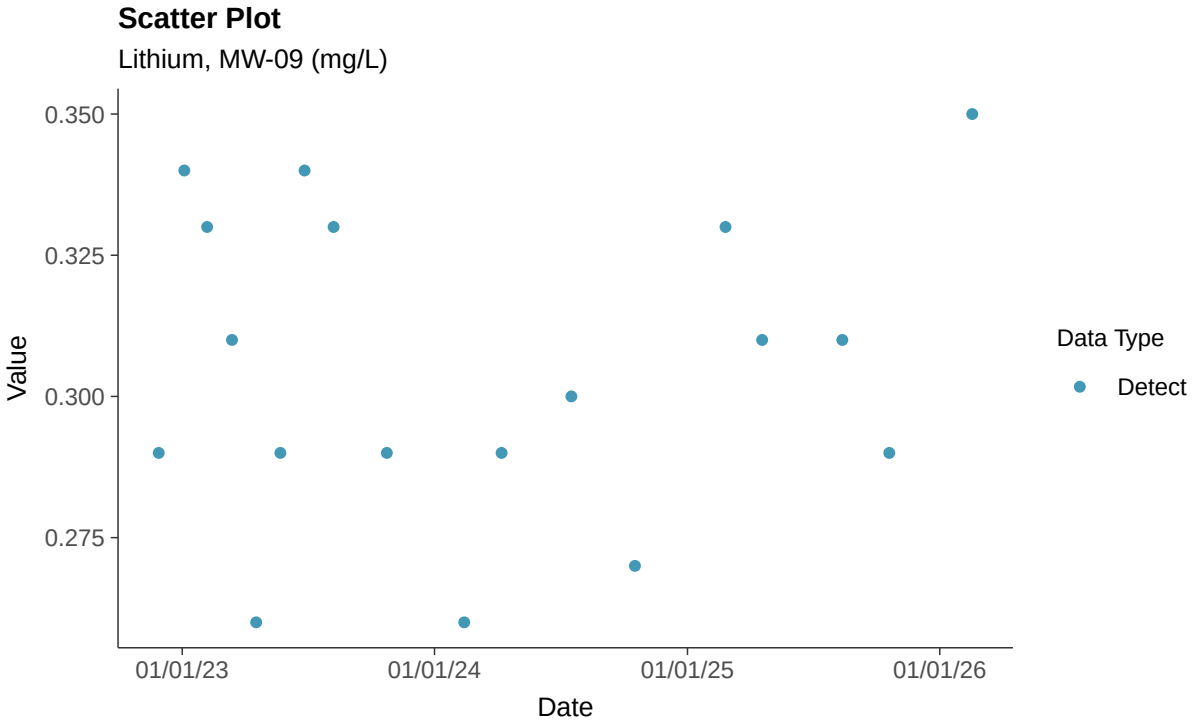
Trend Regression: Piecewise Linear-Linear-Linear

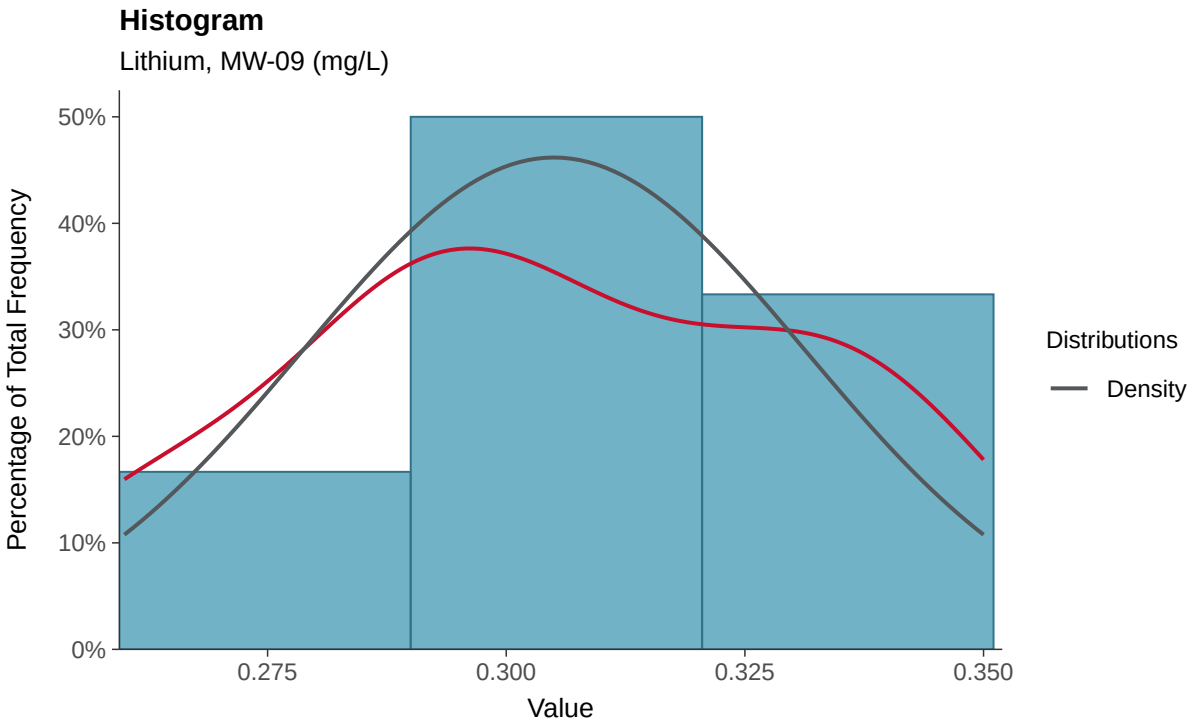
Lead, MW-09 (mg/L)



Appendix IV: Lithium, MW-09

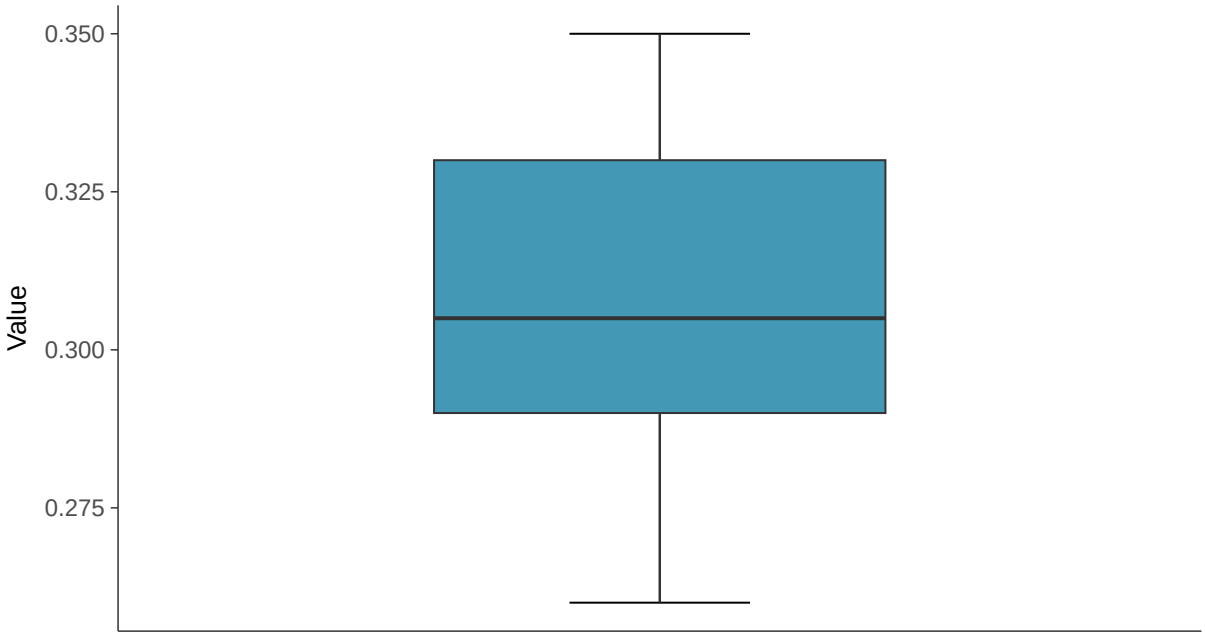
ID: 19_2_4_116





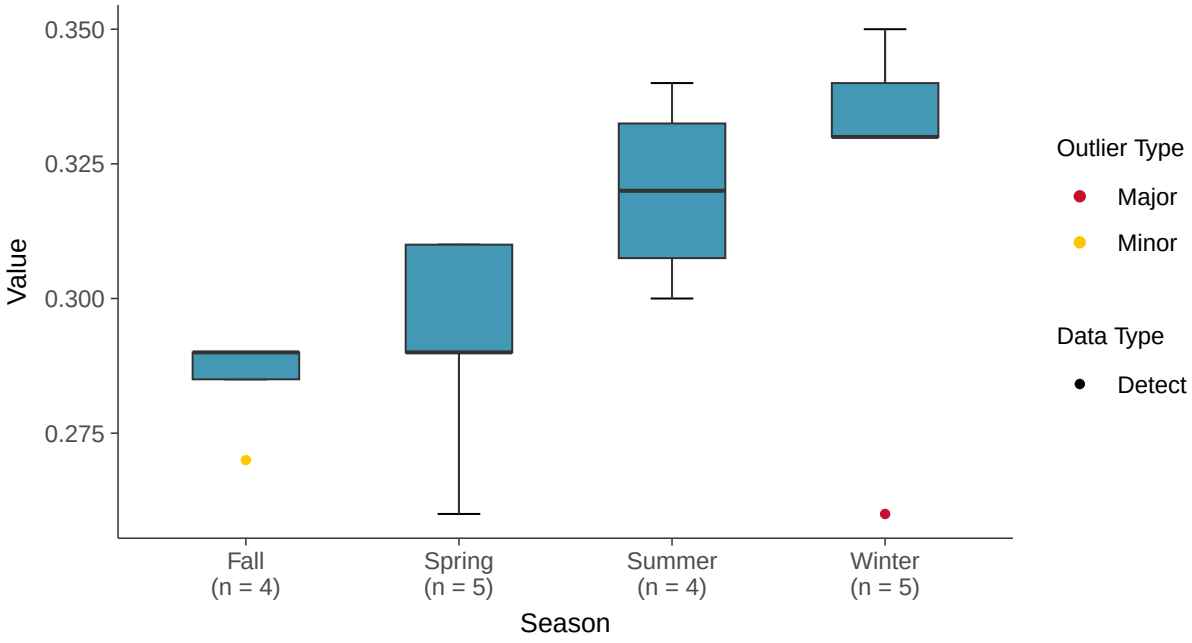
Boxplot

Lithium, MW-09 (mg/L)



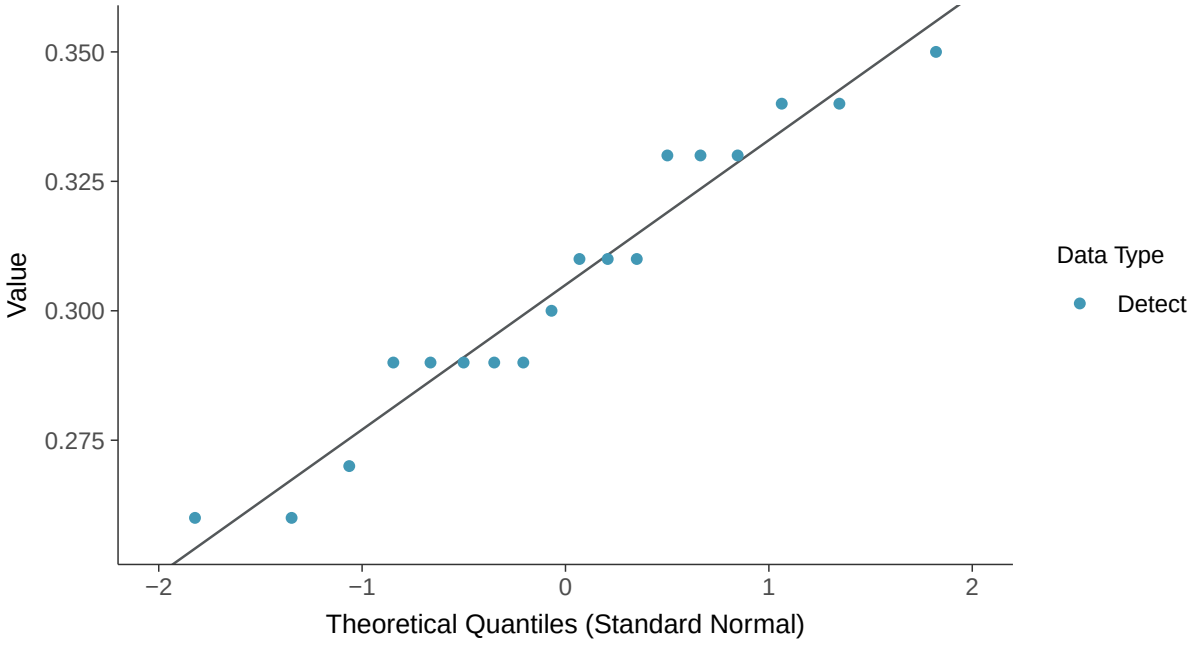
Boxplot by Season

Lithium, MW-09 (mg/L)



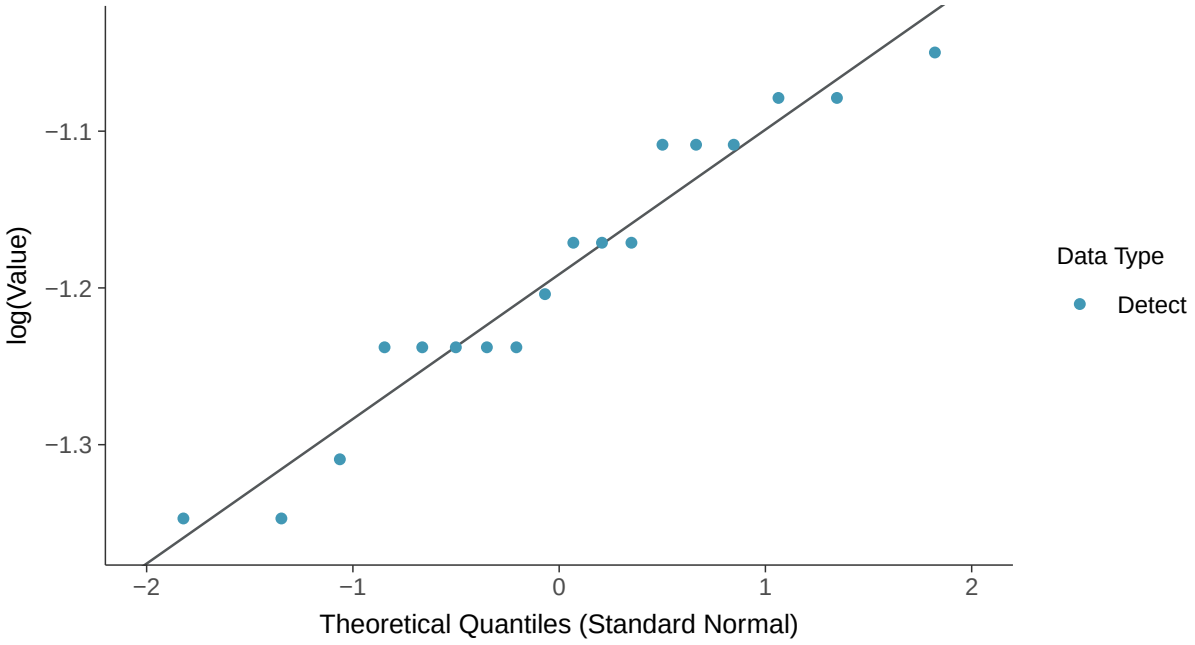
Normal Q-Q plot

Lithium, MW-09 (mg/L)



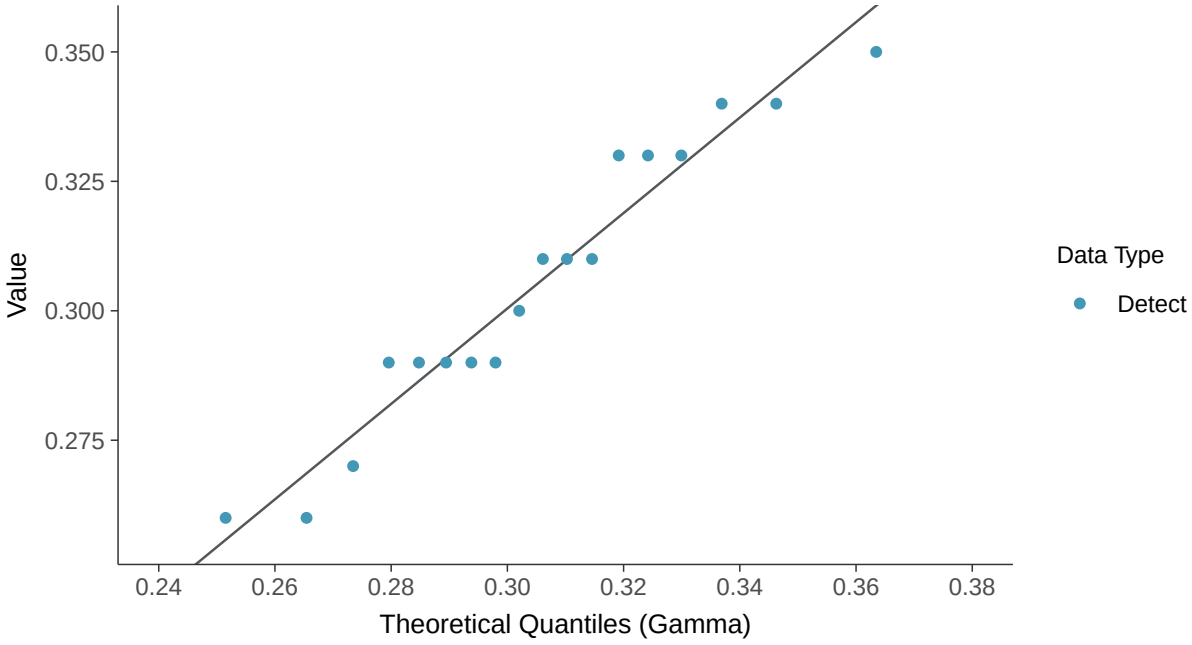
Lognormal Q-Q plot

Lithium, MW-09 (mg/L)



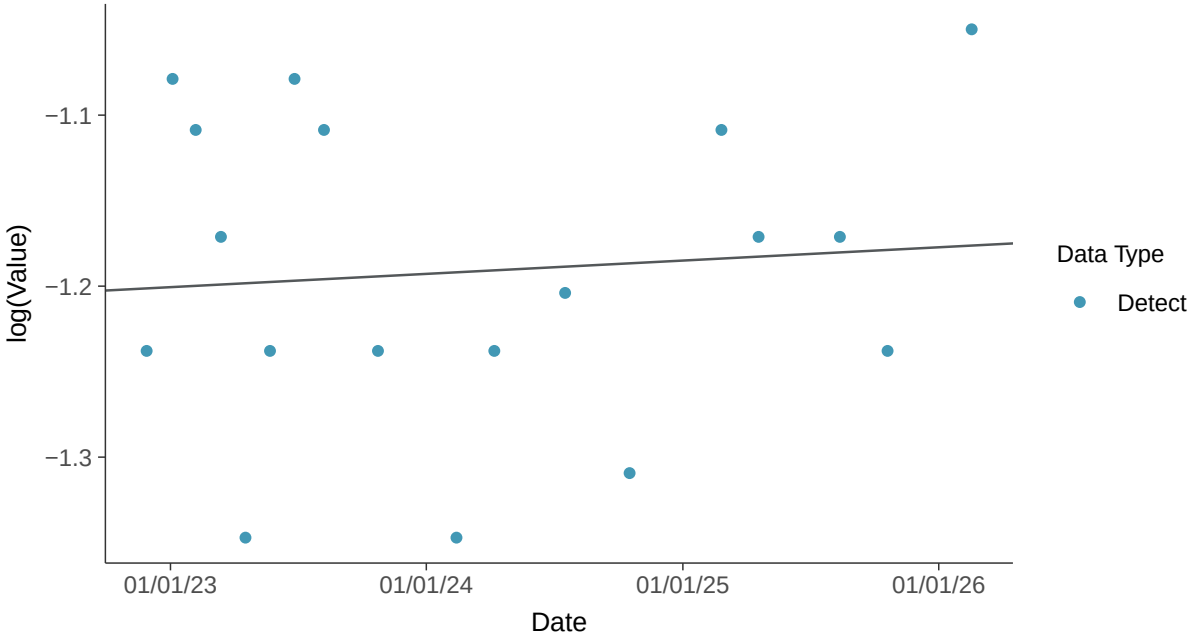
Gamma Q-Q plot

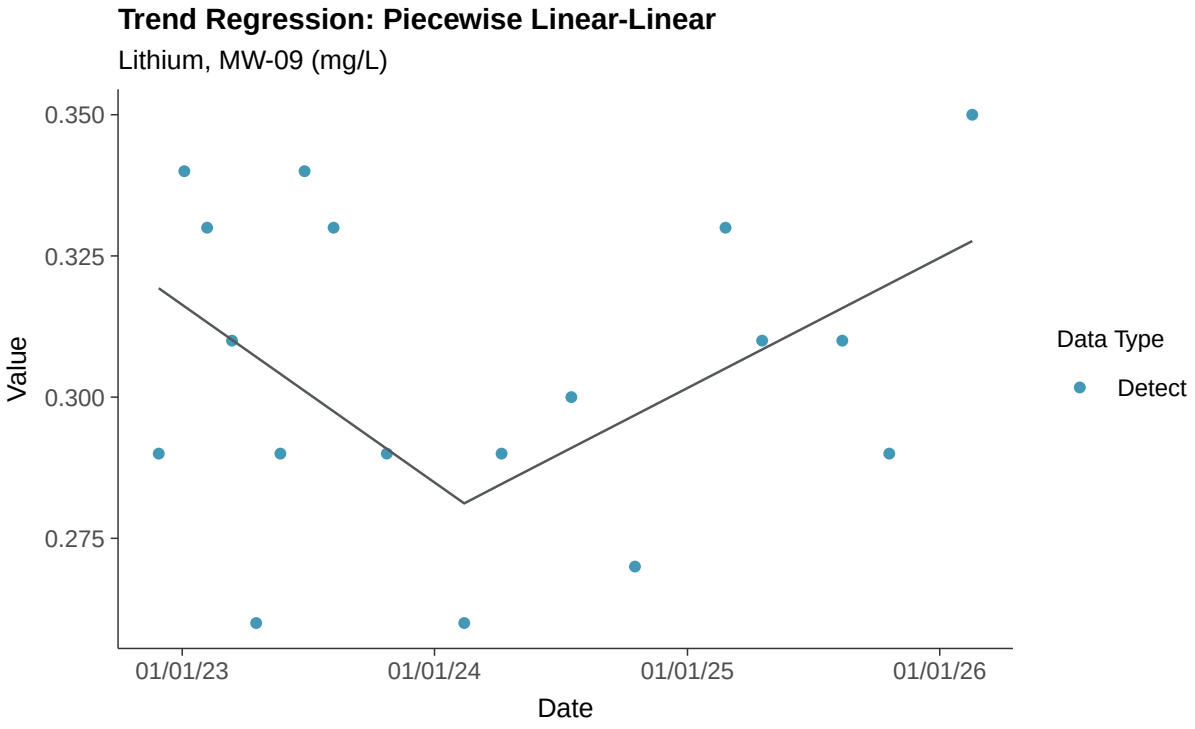
Lithium, MW-09 (mg/L)



Trend Regression: Lognormal MLE

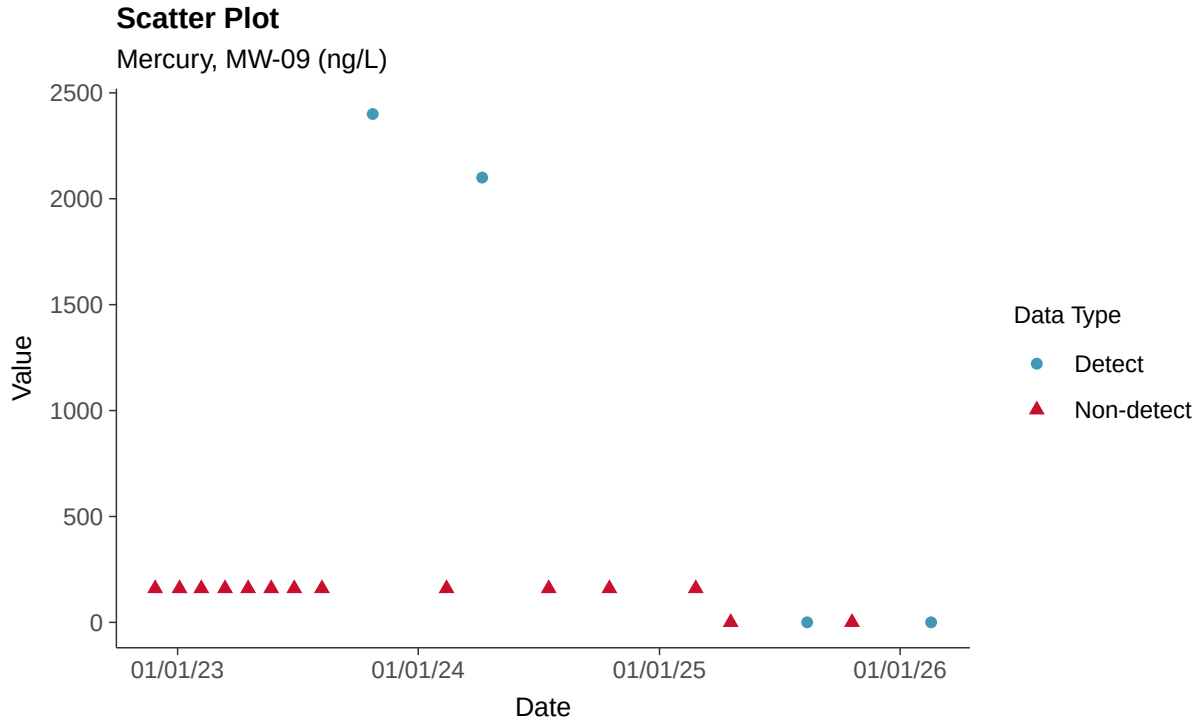
Lithium, MW-09 (mg/L)

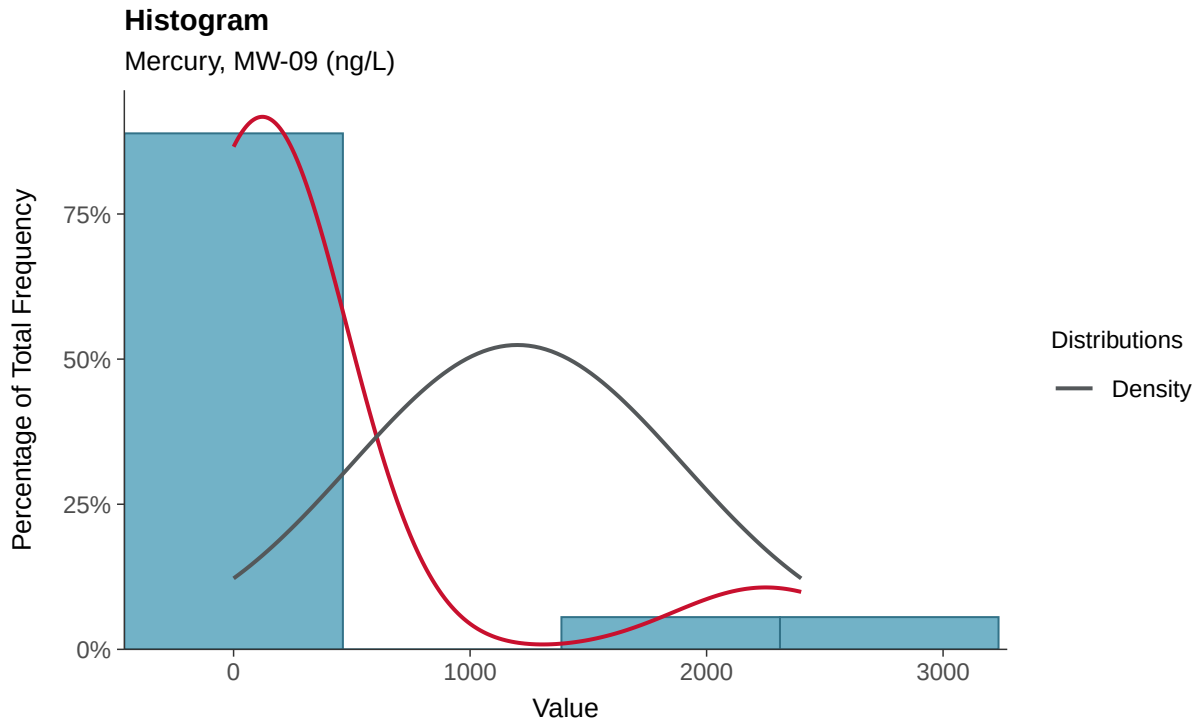



Trend Regression: Piecewise Linear-Linear
Lithium, MW-09 (mg/L)
0.350
0.325
0.300
0.275
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Mercury, MW-09

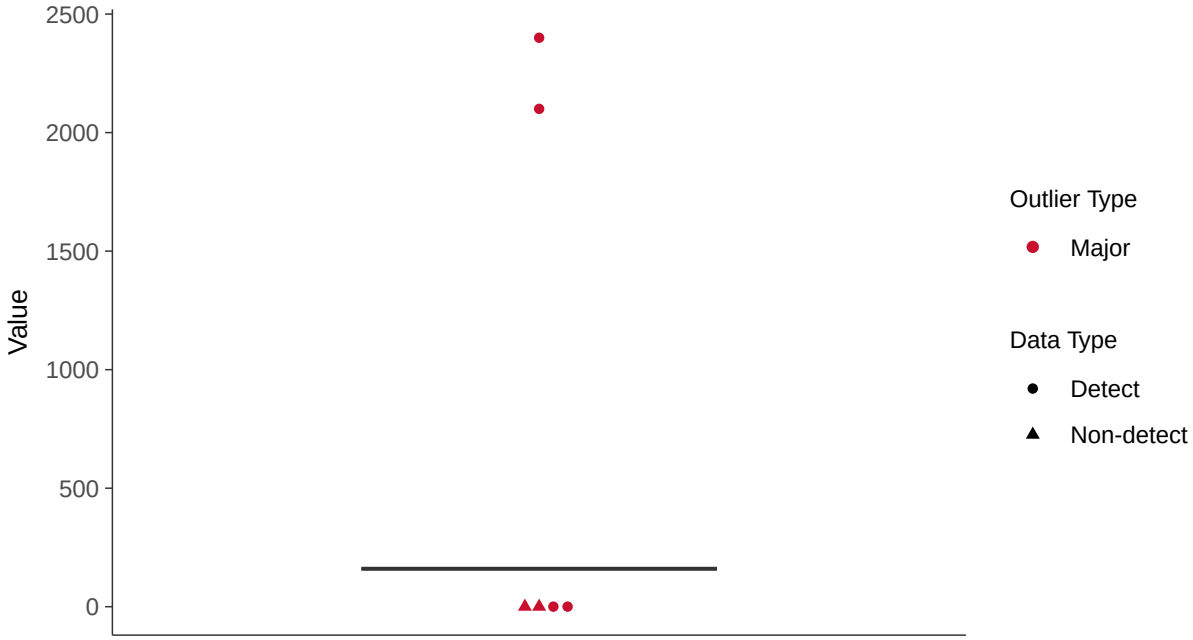
ID: 19_2_4_117





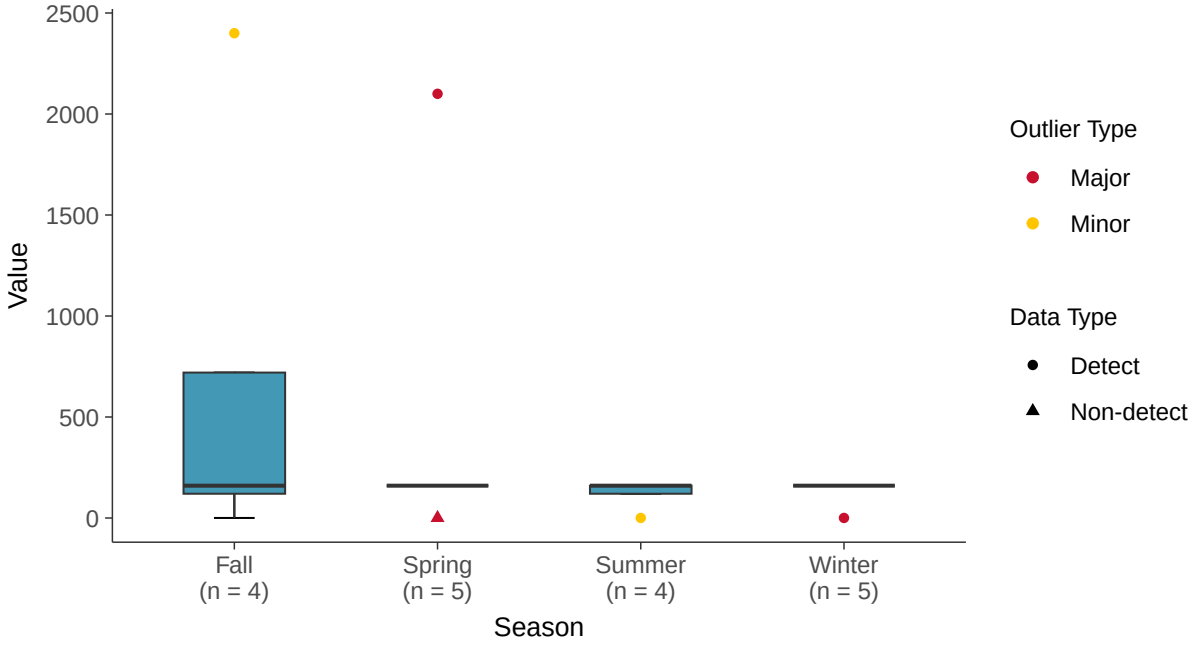
Boxplot

Mercury, MW-09 (ng/L)



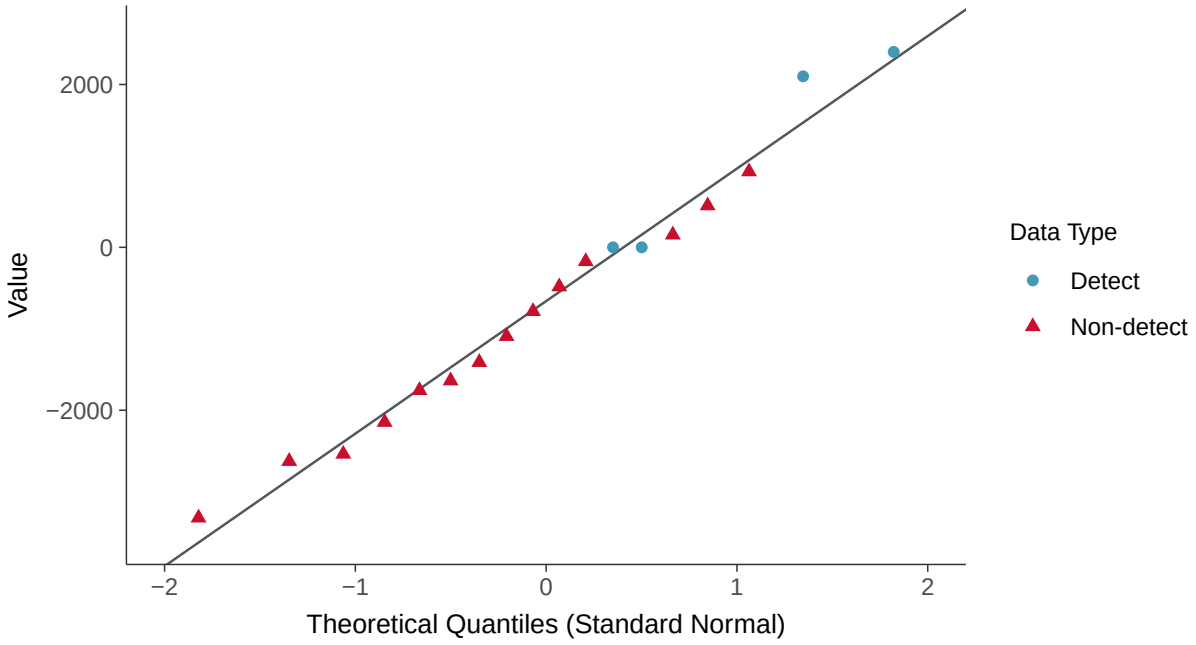
Boxplot by Season

Mercury, MW-09 (ng/L)



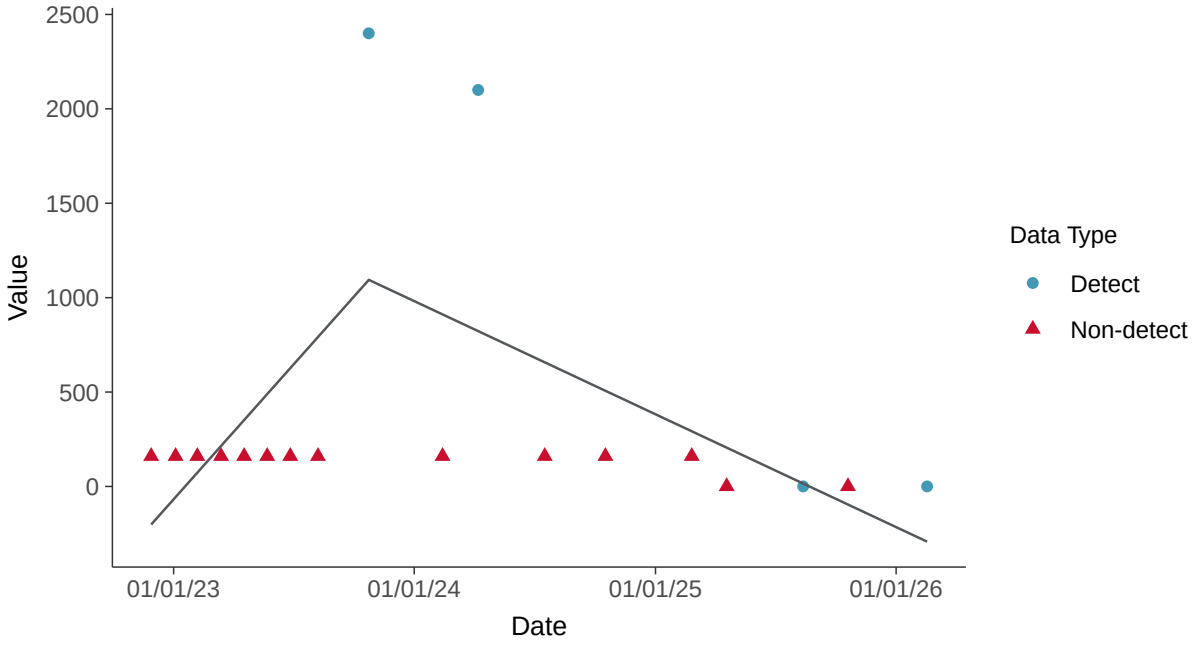
Normal Q-Q plot using ROS Imputed Estimates

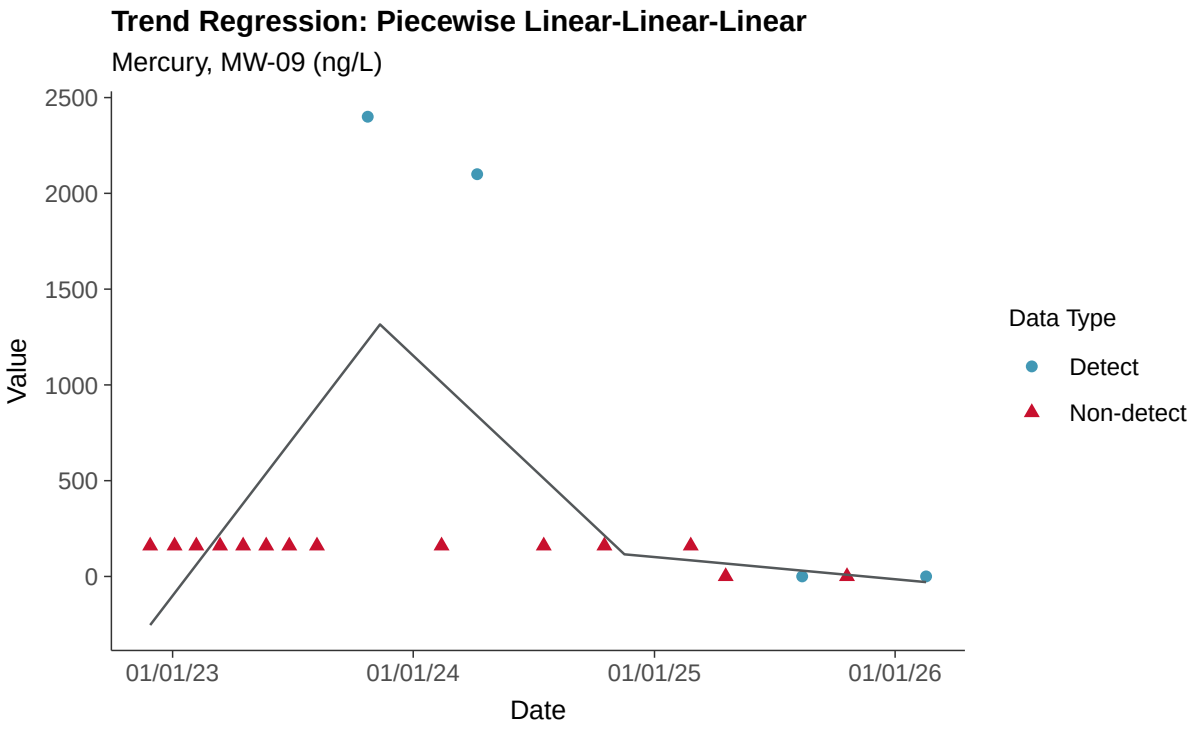
Mercury, MW-09 (ng/L)



Trend Regression: Piecewise Linear-Linear

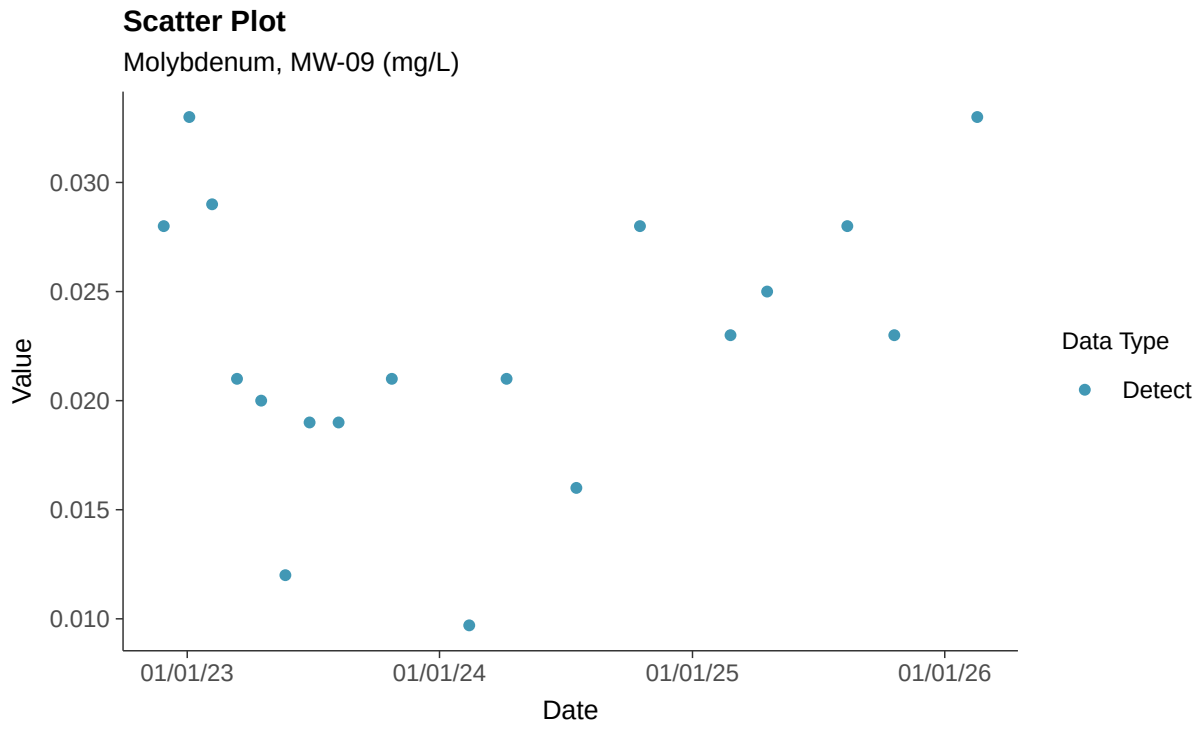
Mercury, MW-09 (ng/L)

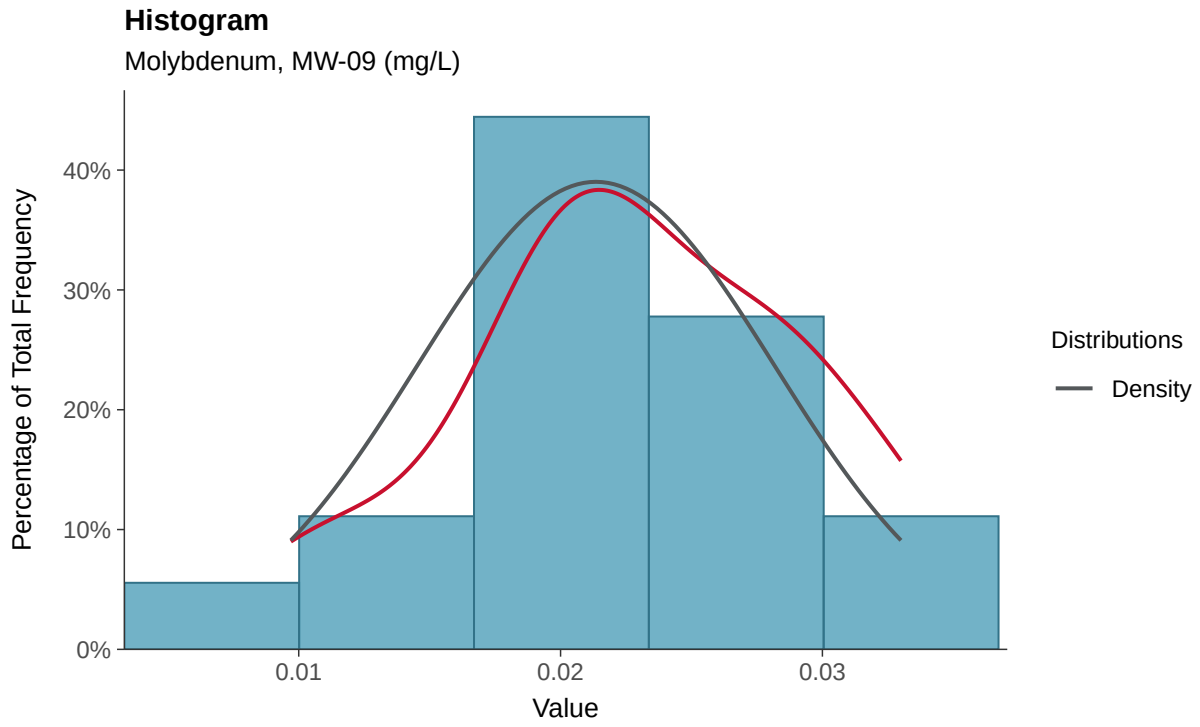



Trend Regression: Piecewise Linear-Linear-Linear
Mercury, MW-09 (ng/L)
Value
2500
2000
1500
1000
500
0
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Molybdenum, MW-09

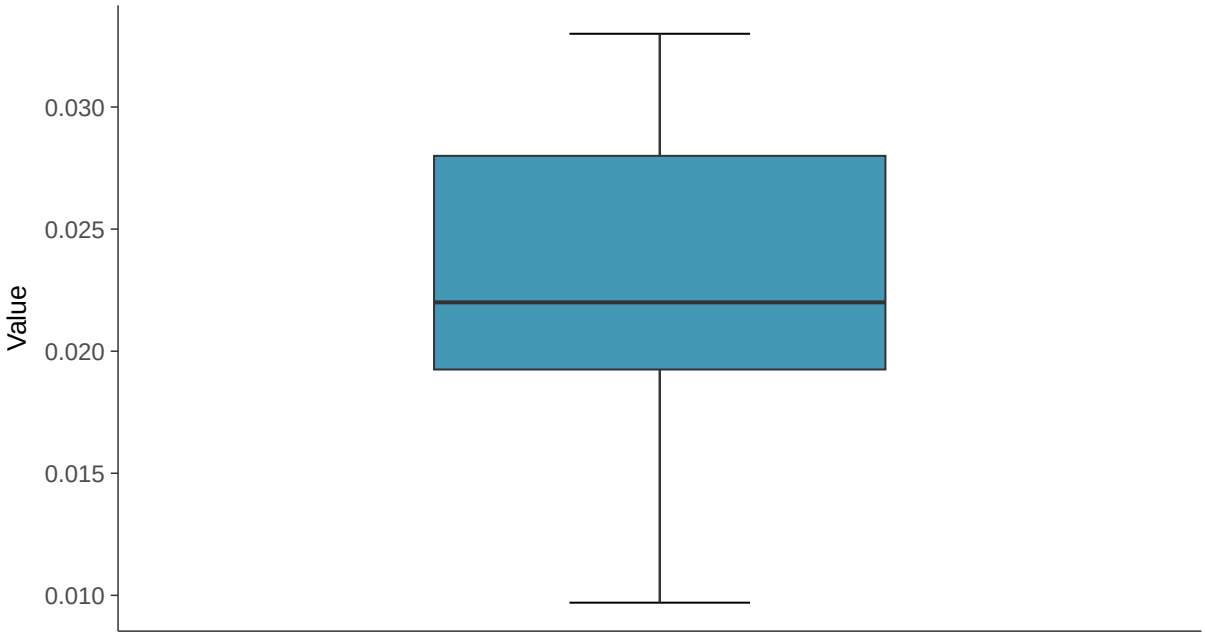
ID: 19_2_4_118





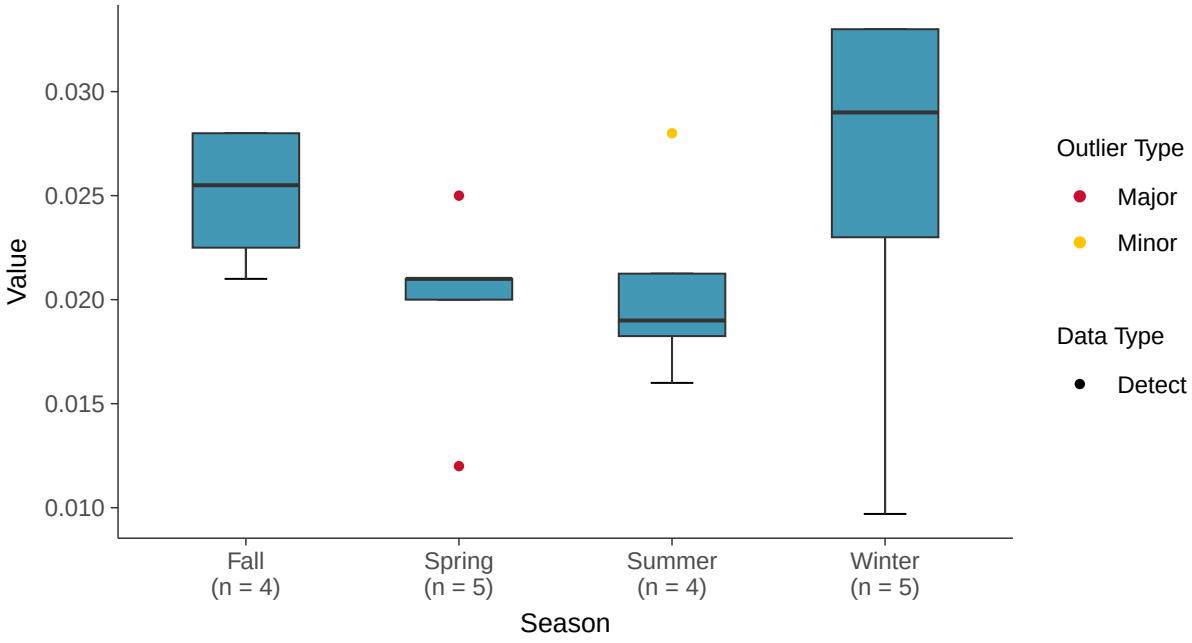
Boxplot

Molybdenum, MW-09 (mg/L)



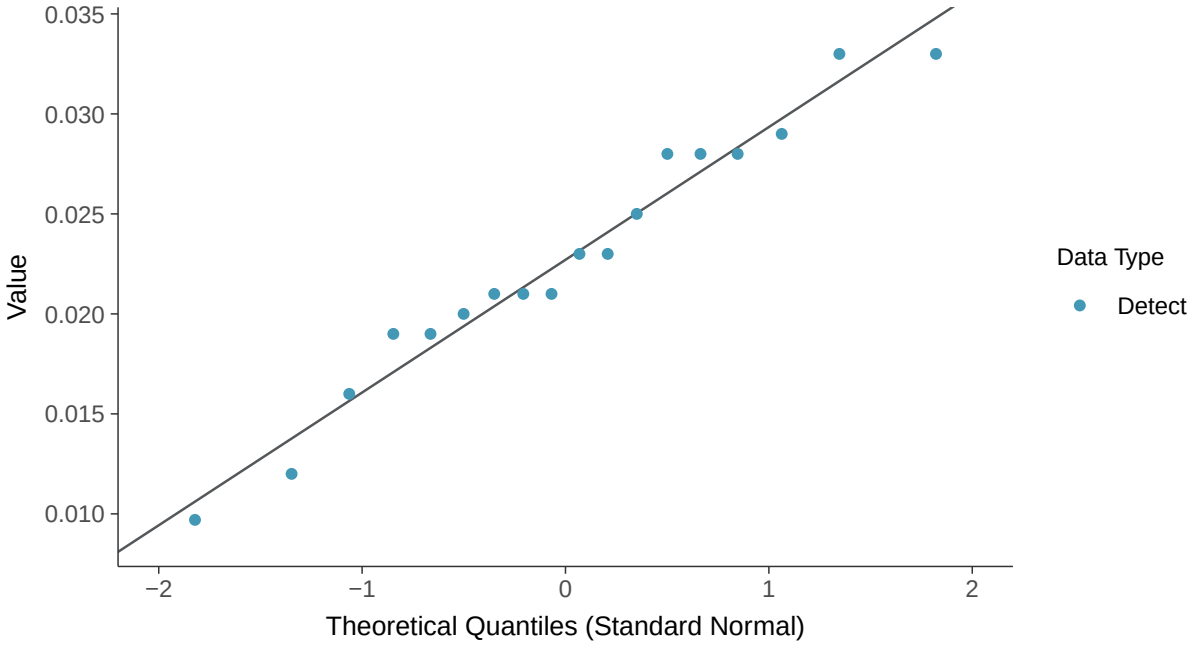
Boxplot by Season

Molybdenum, MW-09 (mg/L)



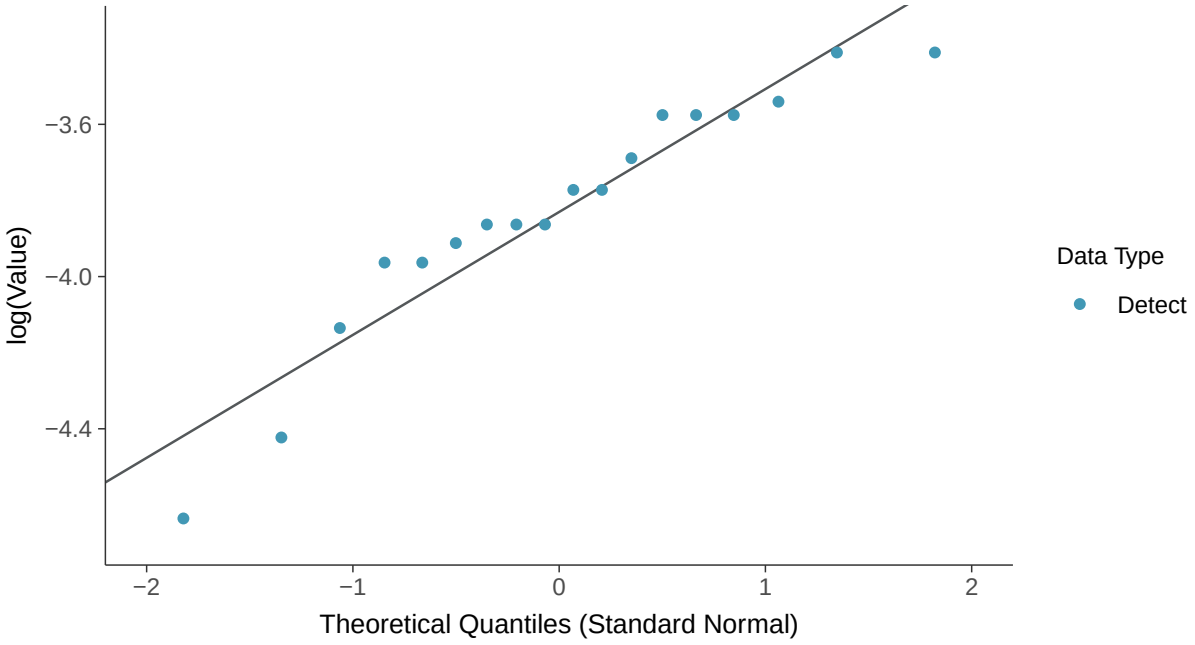
Normal Q-Q plot

Molybdenum, MW-09 (mg/L)



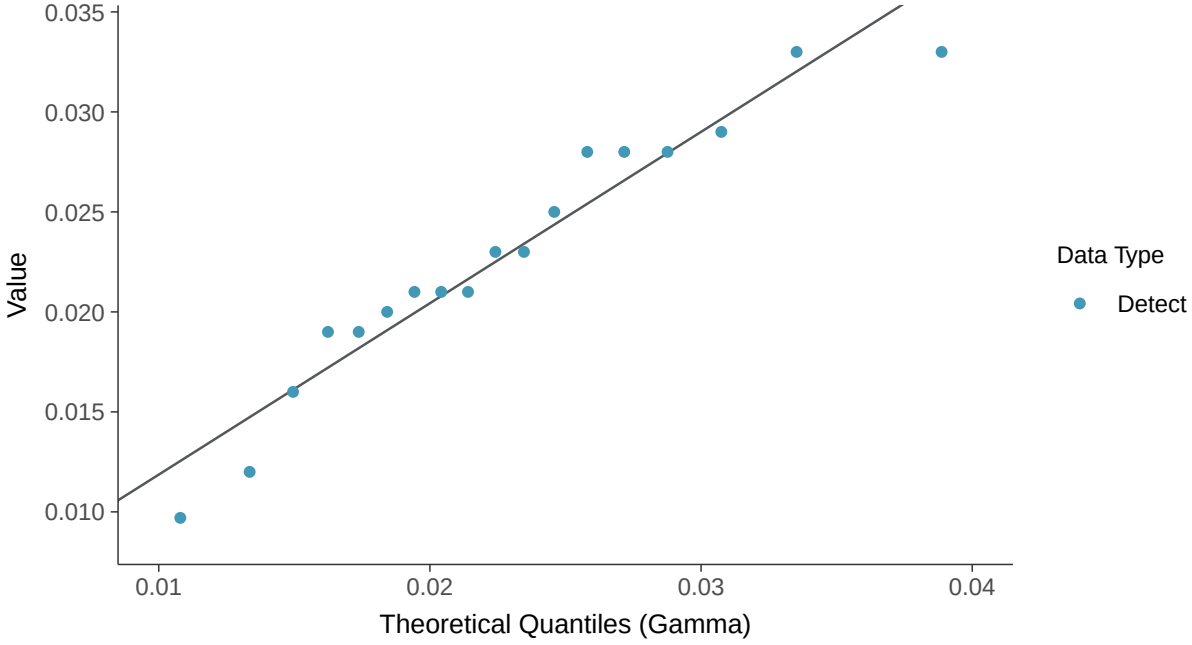
Lognormal Q-Q plot

Molybdenum, MW-09 (mg/L)



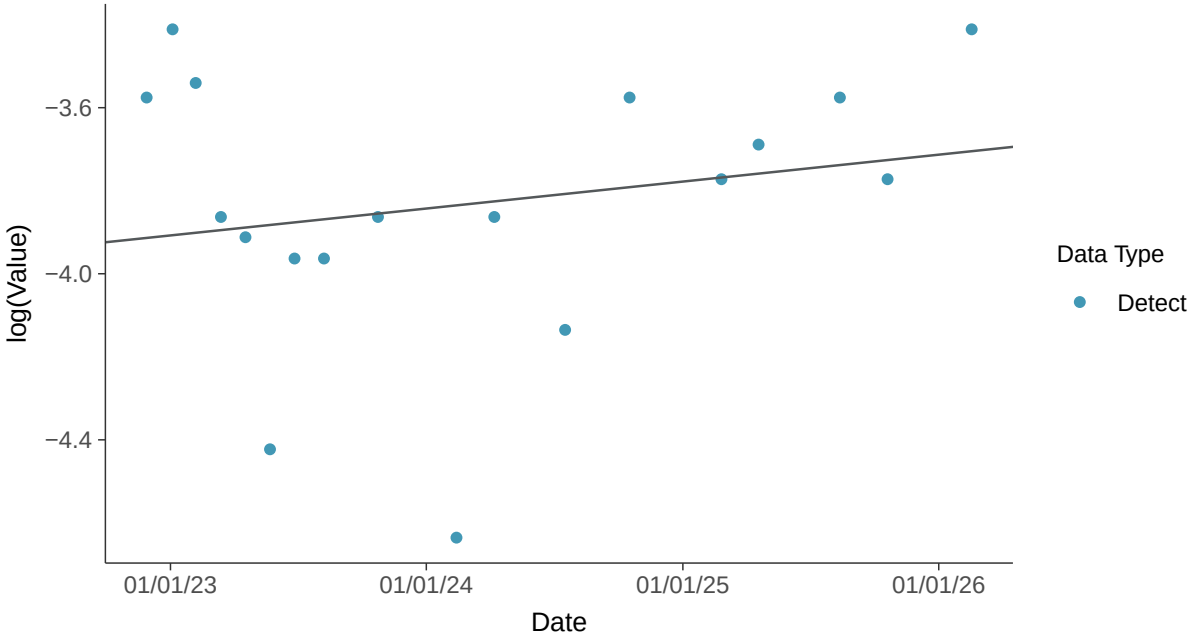
Gamma Q-Q plot

Molybdenum, MW-09 (mg/L)



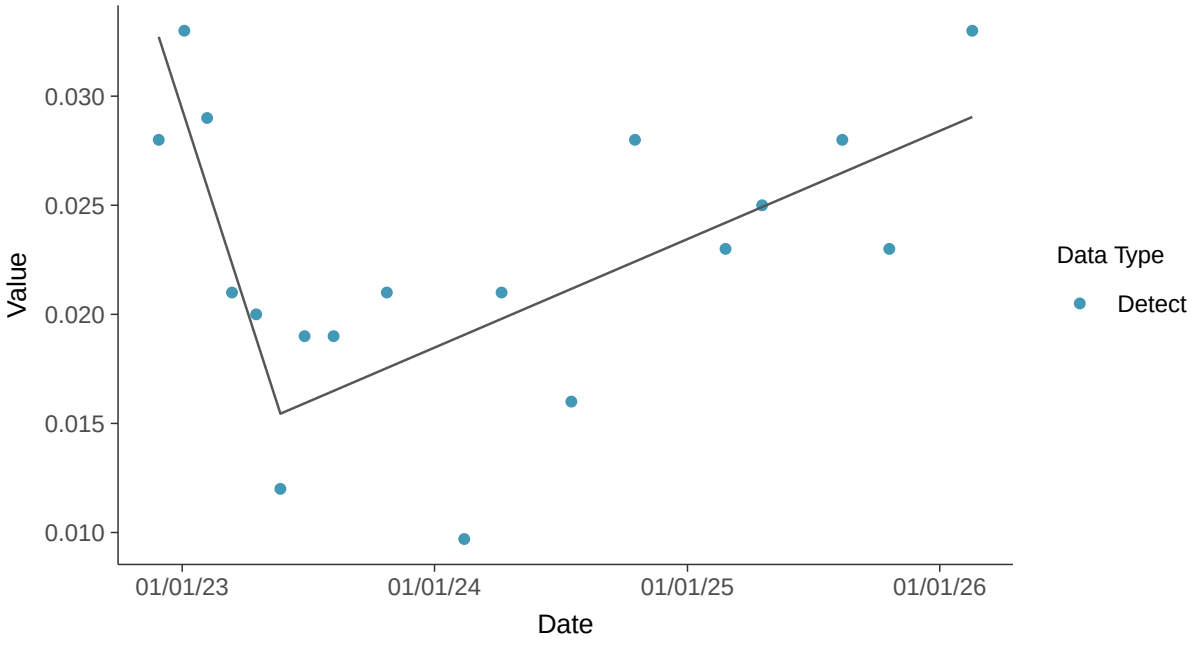
Trend Regression: Lognormal MLE

Molybdenum, MW-09 (mg/L)



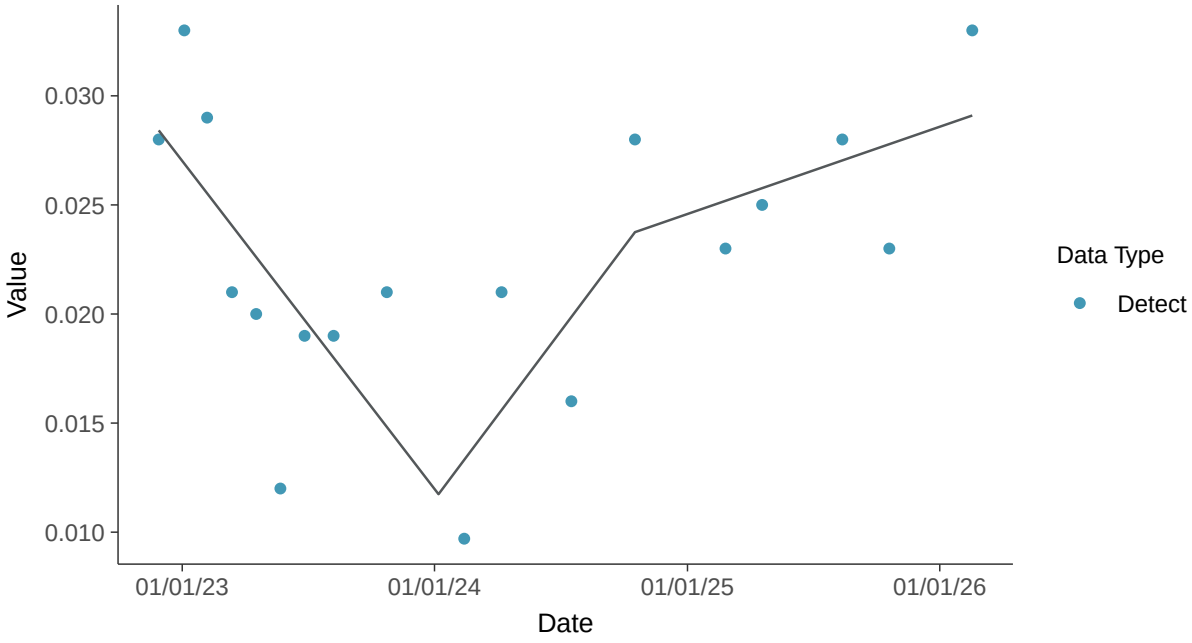
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-09 (mg/L)



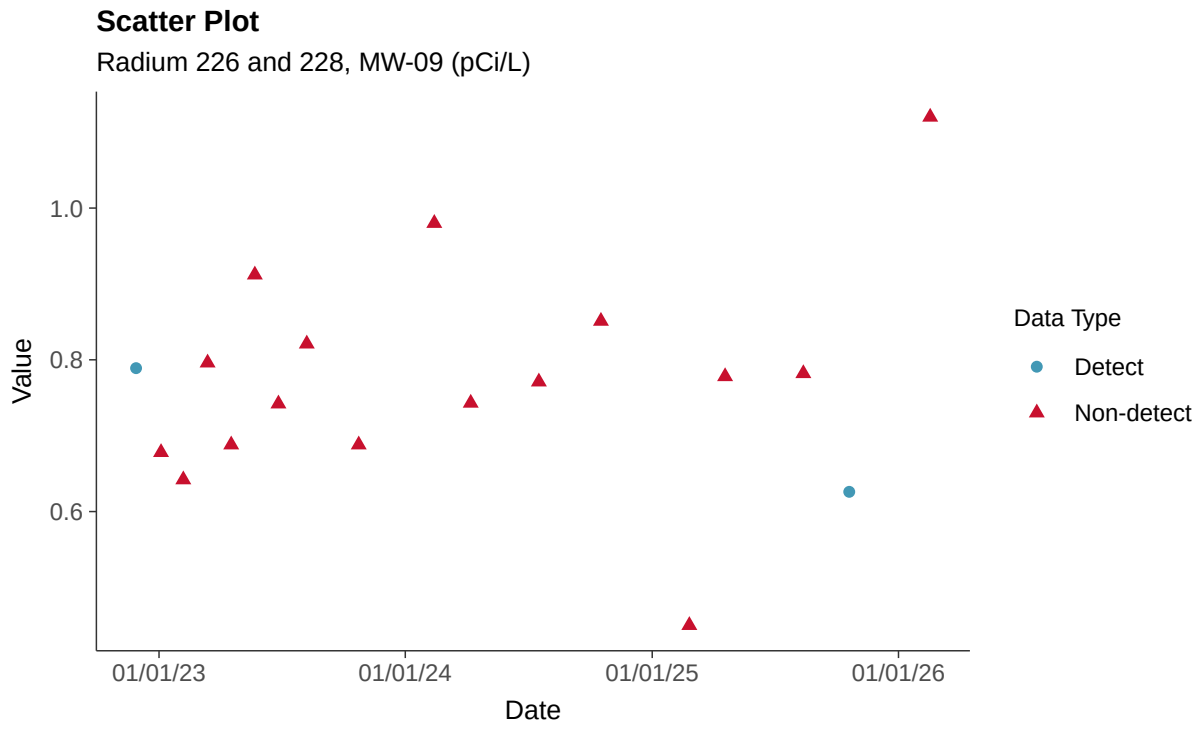
Trend Regression: Piecewise Linear-Linear-Linear

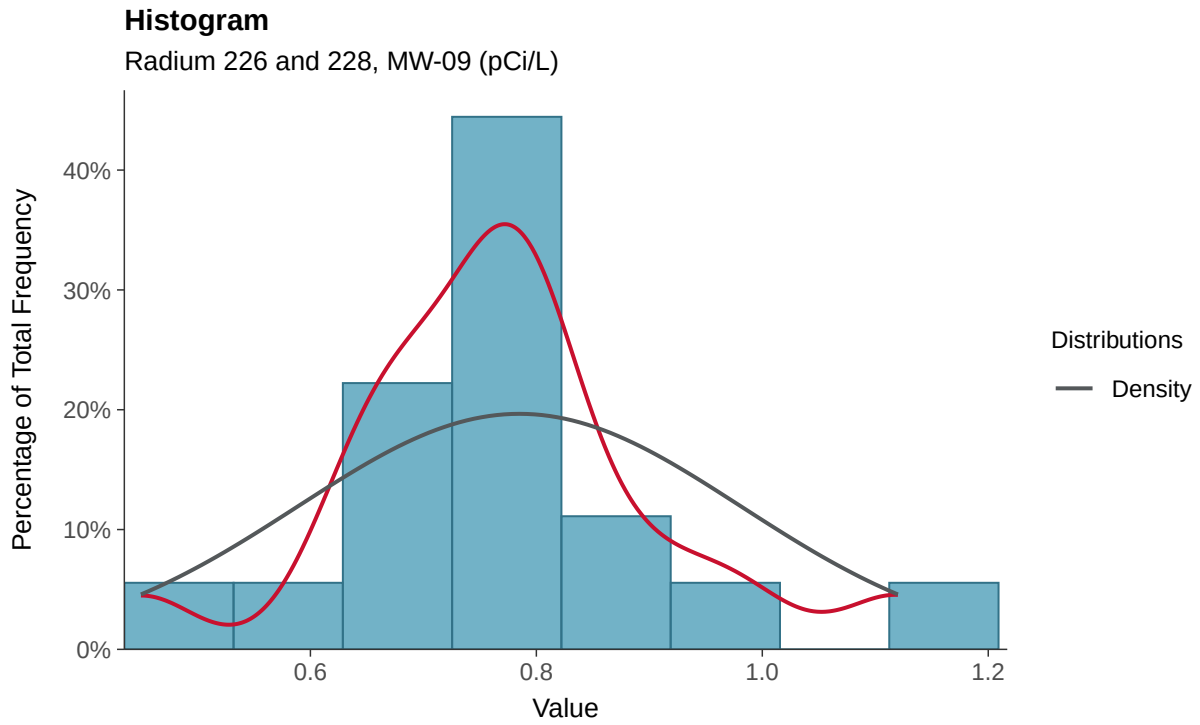
Molybdenum, MW-09 (mg/L)



Appendix IV: Radium 226 and 228, MW-09

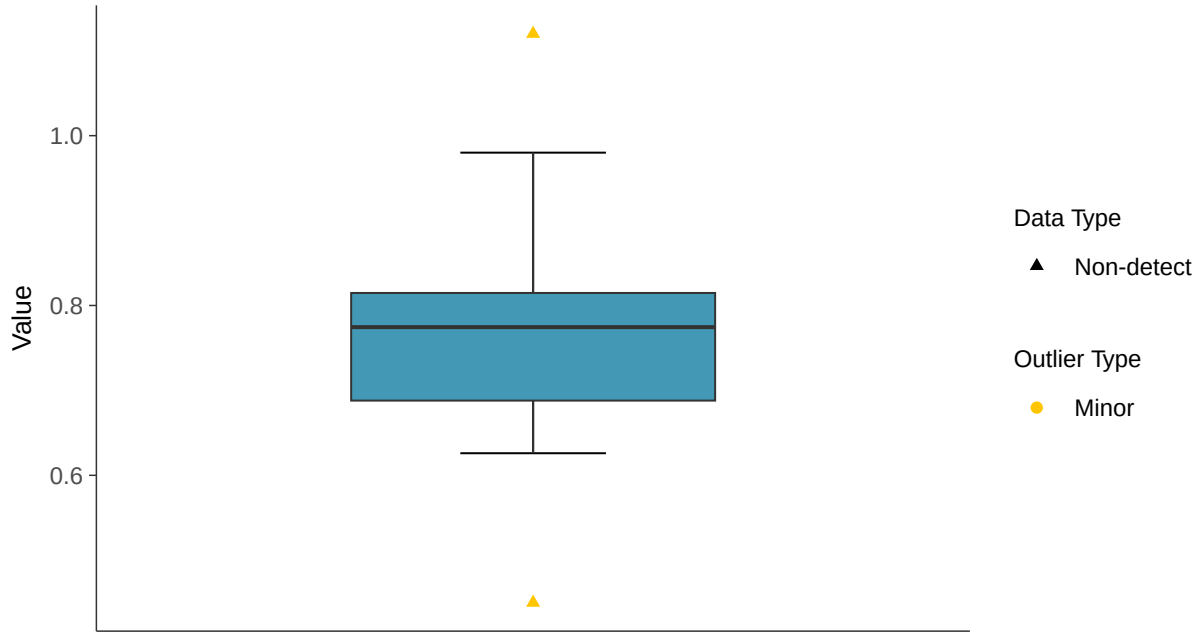
ID: 19_2_4_121





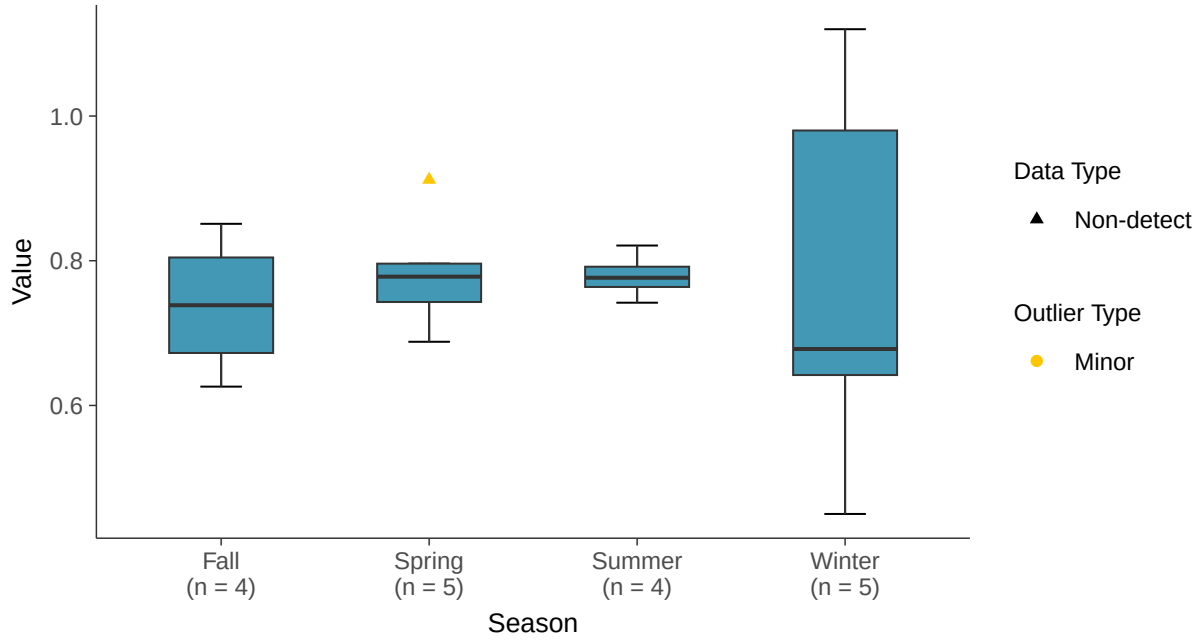
Boxplot

Radium 226 and 228, MW-09 (pCi/L)



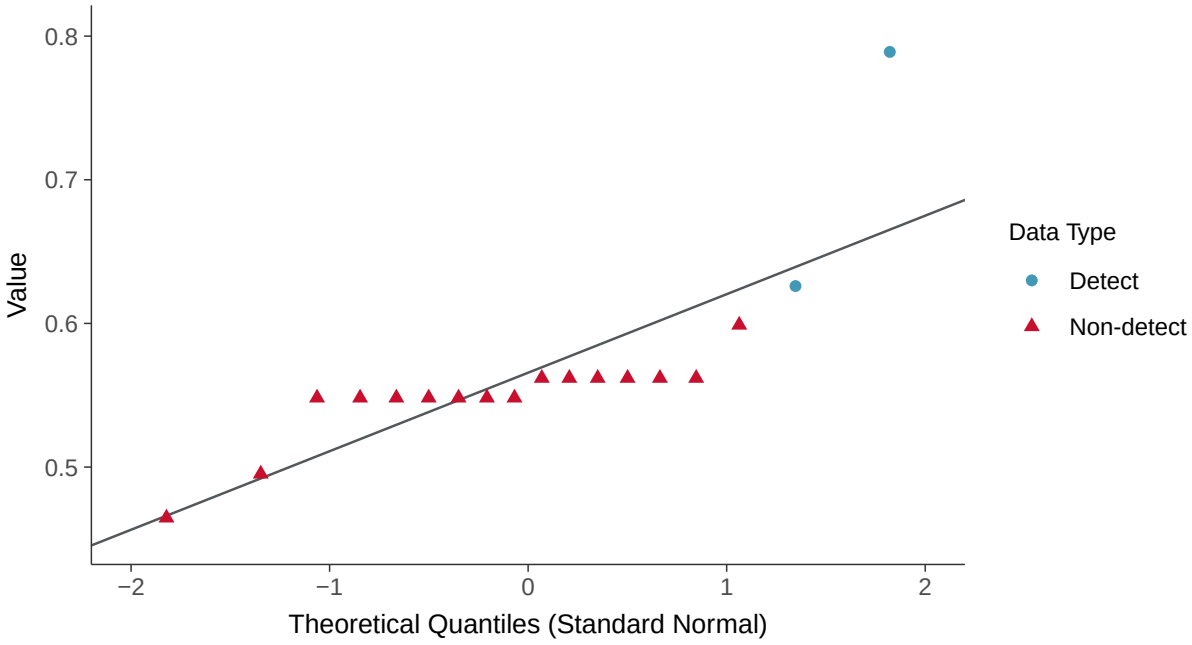
Boxplot by Season

Radium 226 and 228, MW-09 (pCi/L)



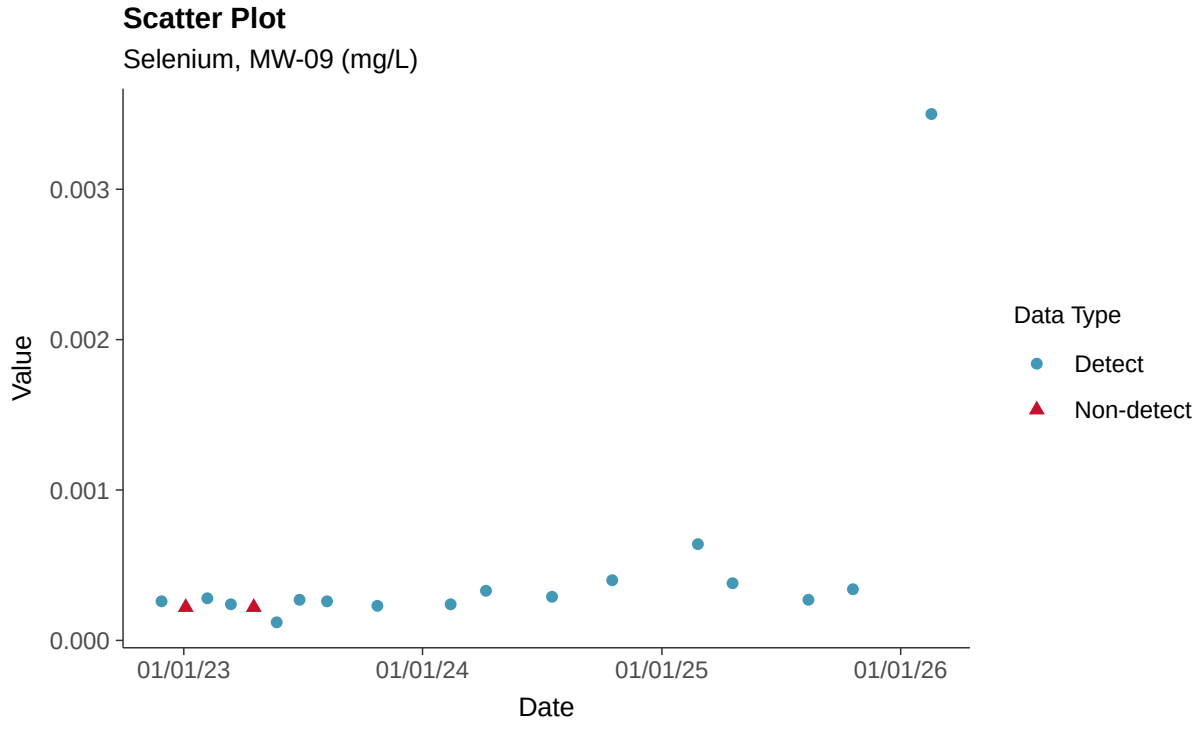
Normal Q-Q plot using ROS Imputed Estimates

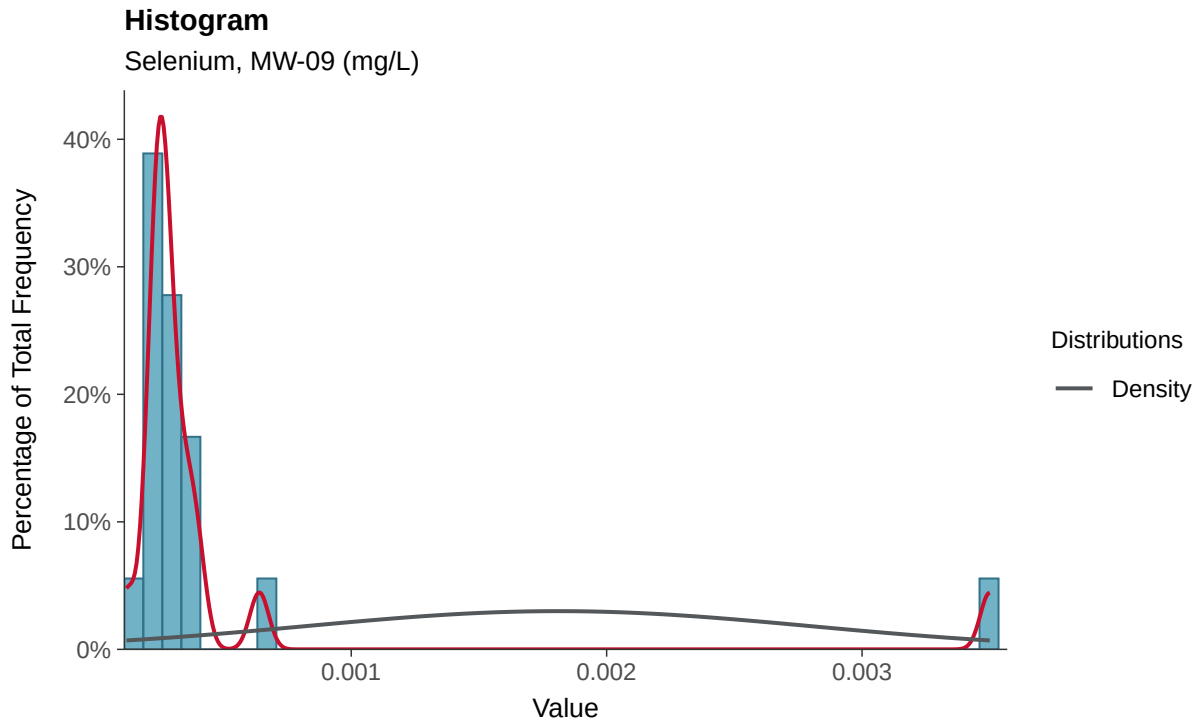
Radium 226 and 228, MW-09 (pCi/L)



Appendix IV: Selenium, MW-09

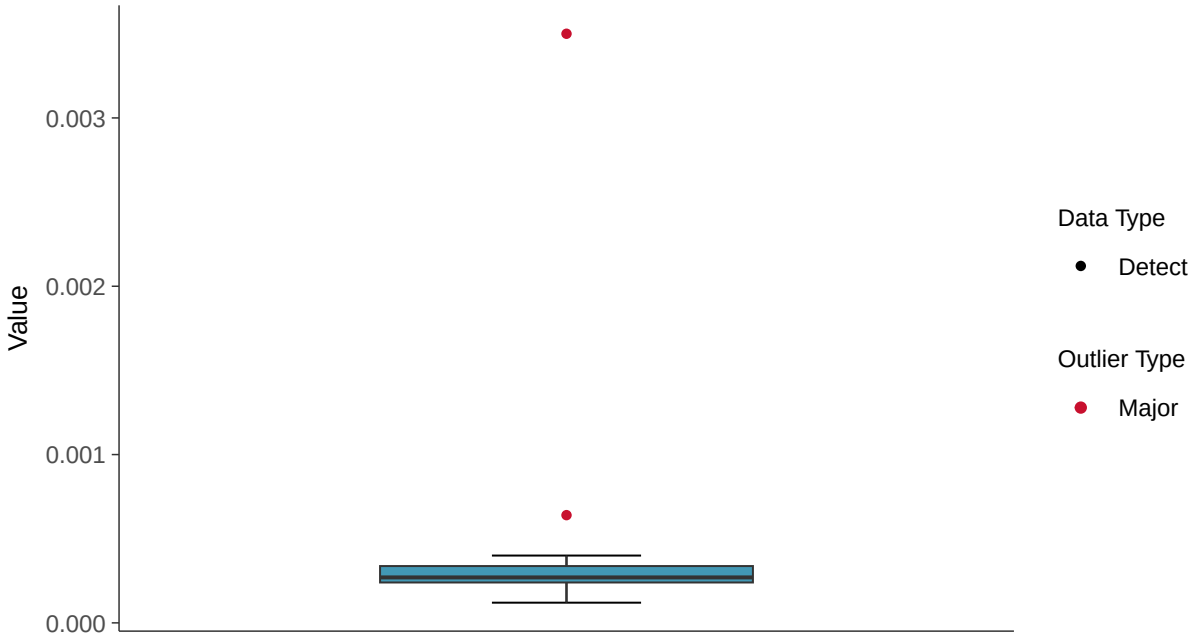
ID: 19_2_4_122





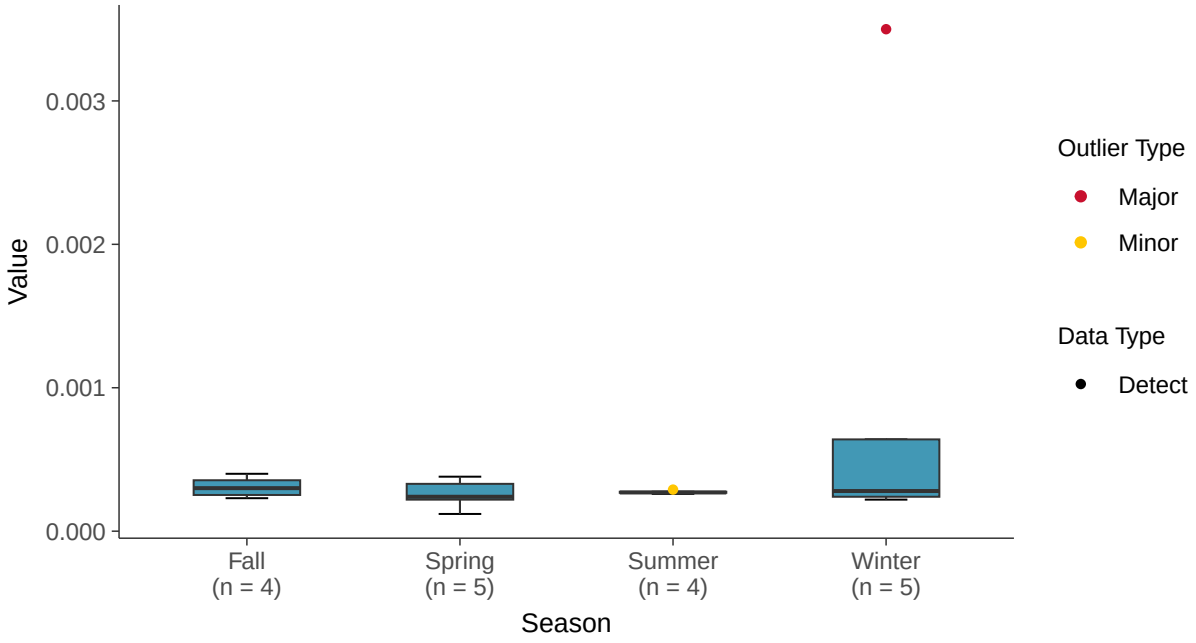
Boxplot

Selenium, MW-09 (mg/L)



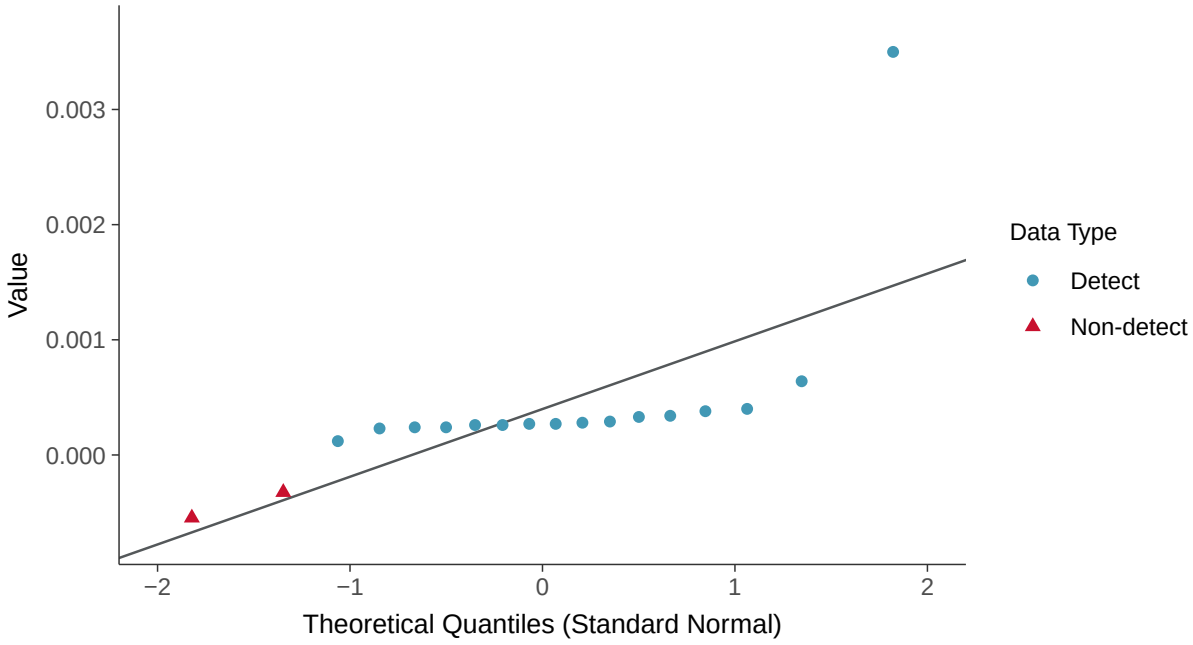
Boxplot by Season

Selenium, MW-09 (mg/L)



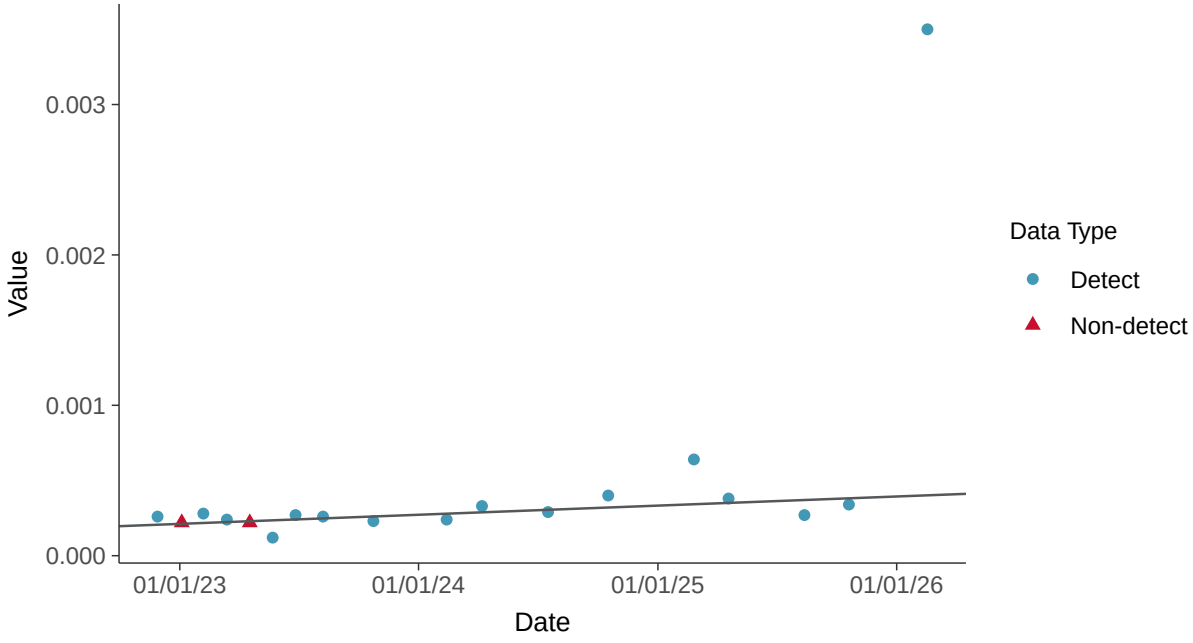
Normal Q-Q plot using ROS Imputed Estimates

Selenium, MW-09 (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

Selenium, MW-09 (mg/L)

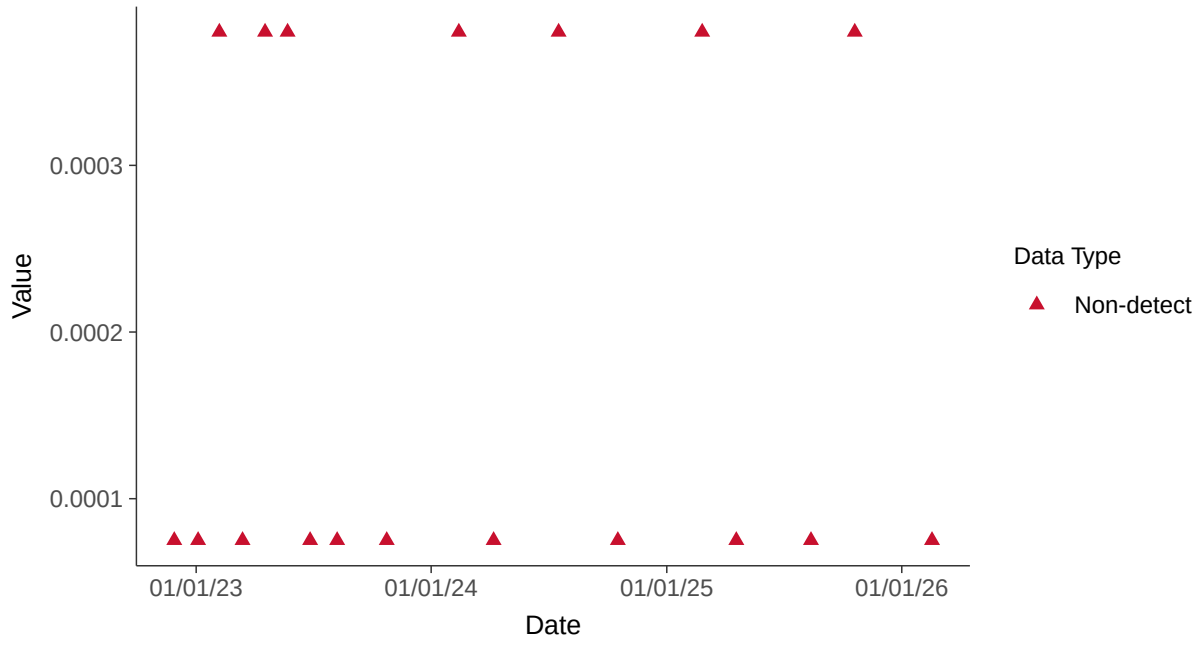


Appendix IV: Thallium, MW-09

ID: 19_2_4_125

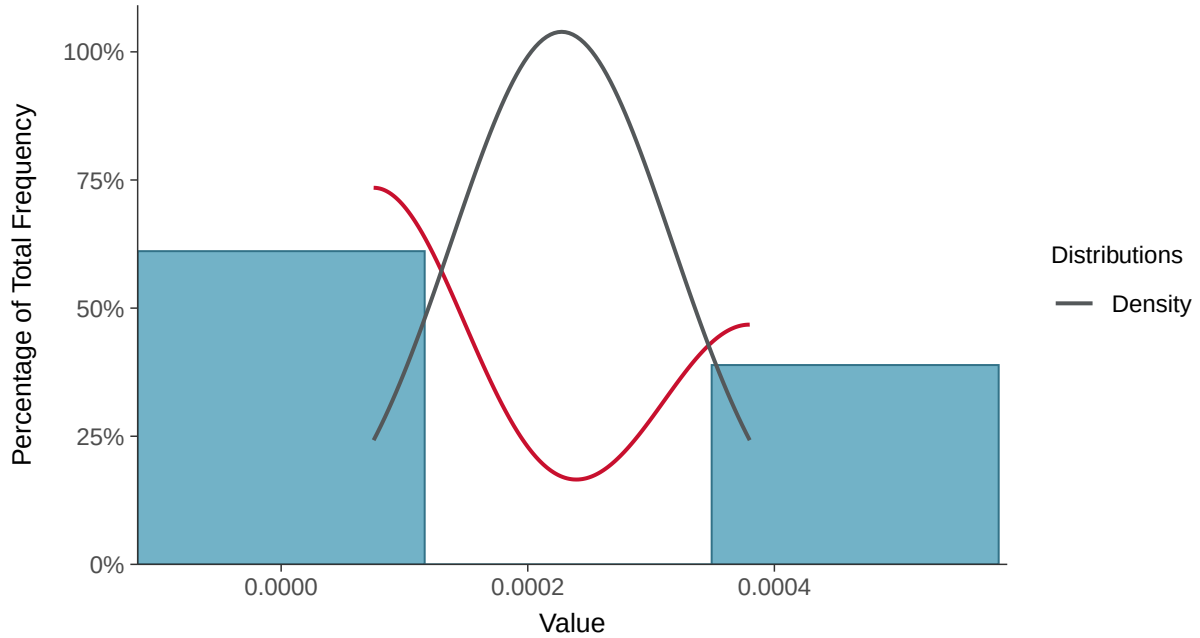
Scatter Plot

Thallium, MW-09 (mg/L)



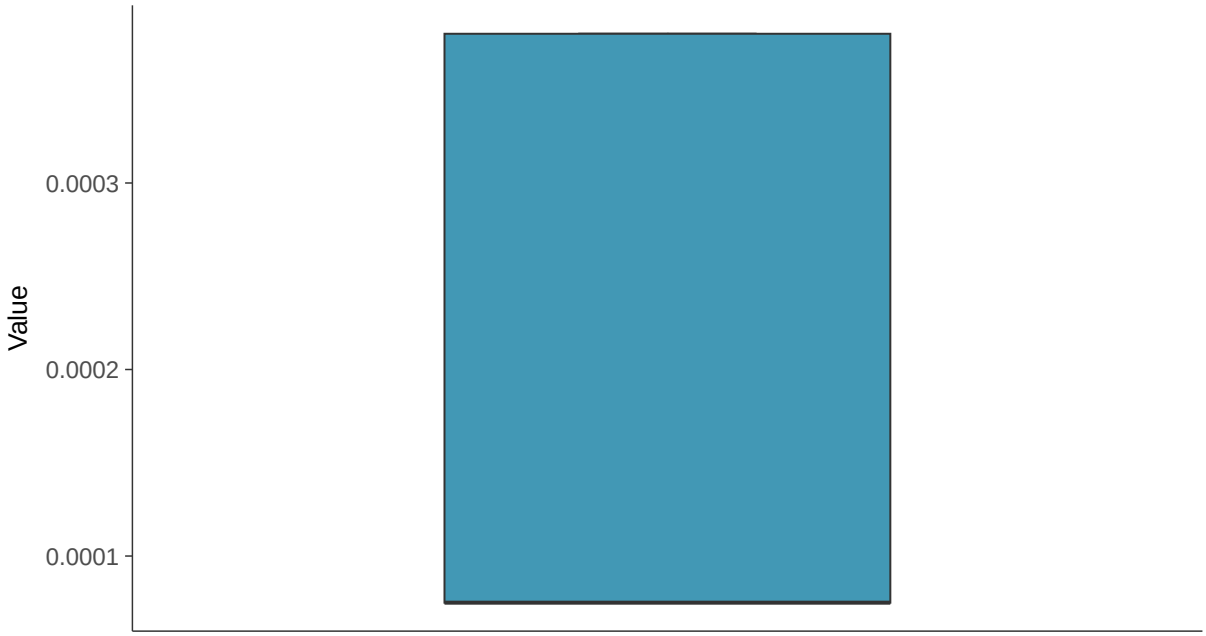
Histogram

Thallium, MW-09 (mg/L)



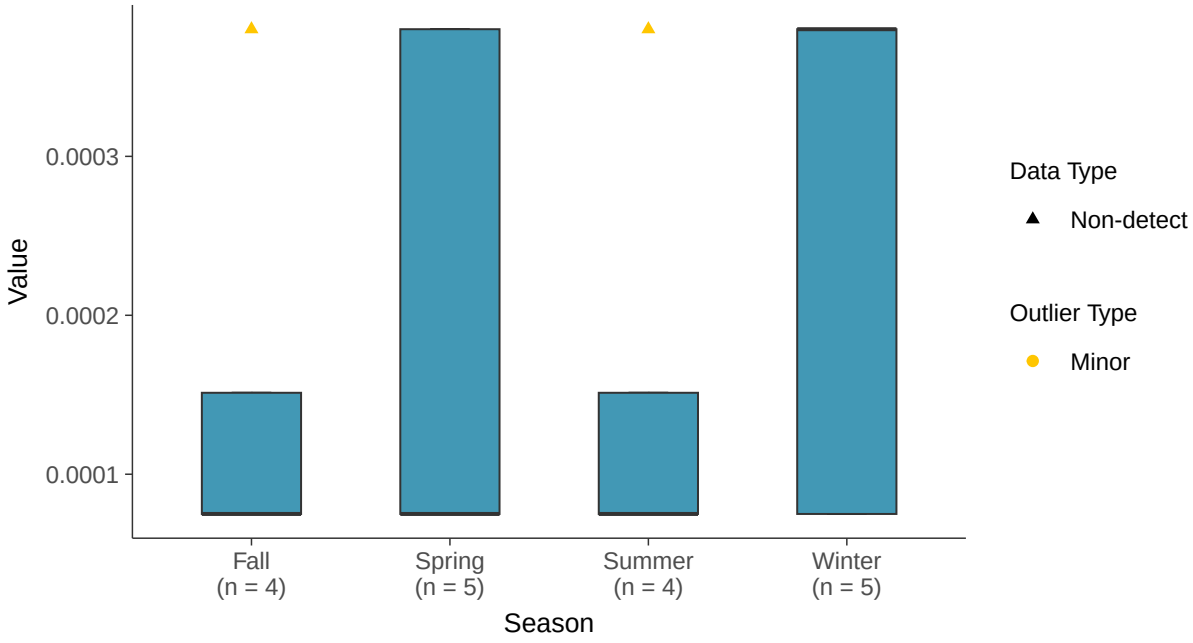
Boxplot

Thallium, MW-09 (mg/L)



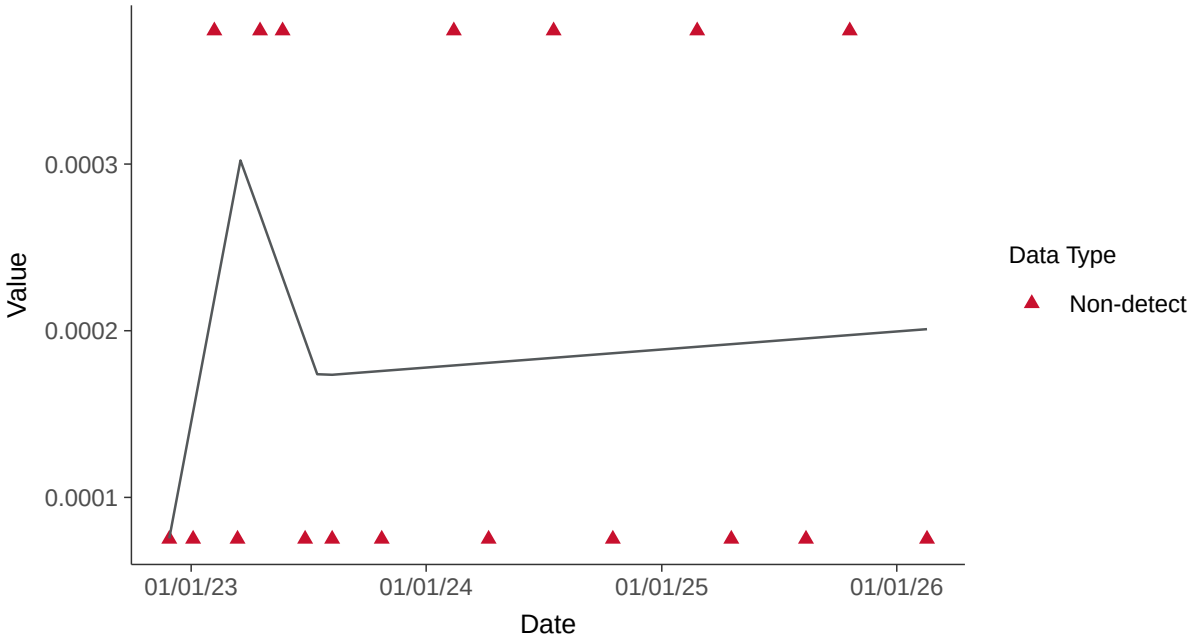
Boxplot by Season

Thallium, MW-09 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Thallium, MW-09 (mg/L)

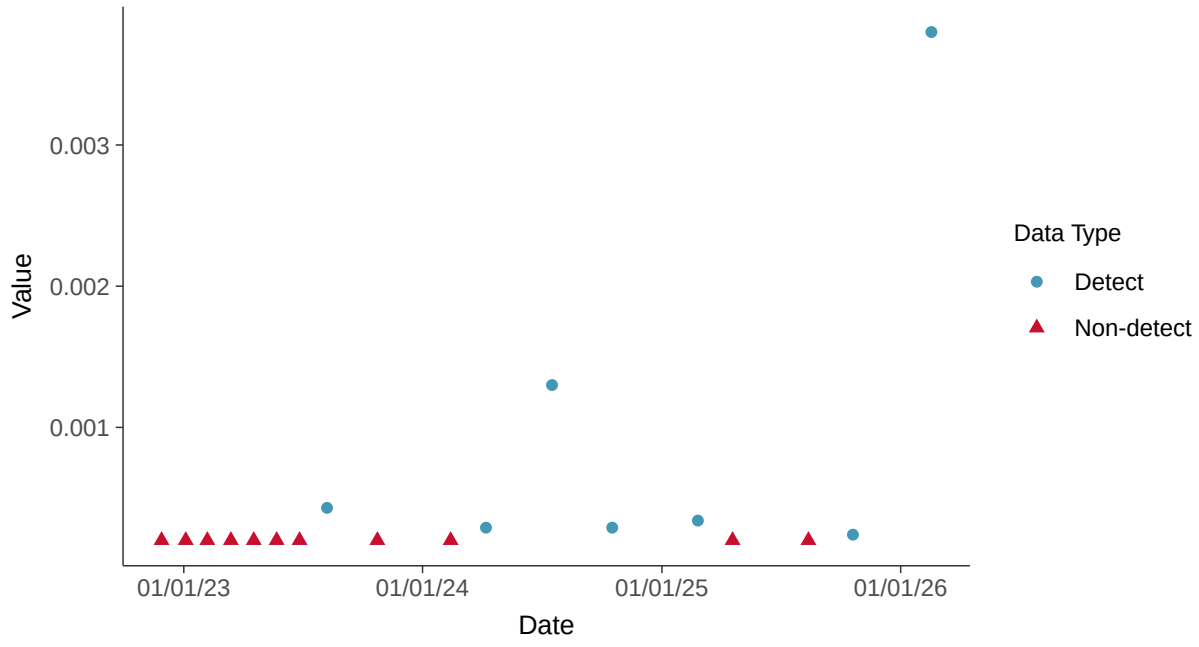


Part 115: Copper, MW-09

ID: 19_2_5_111

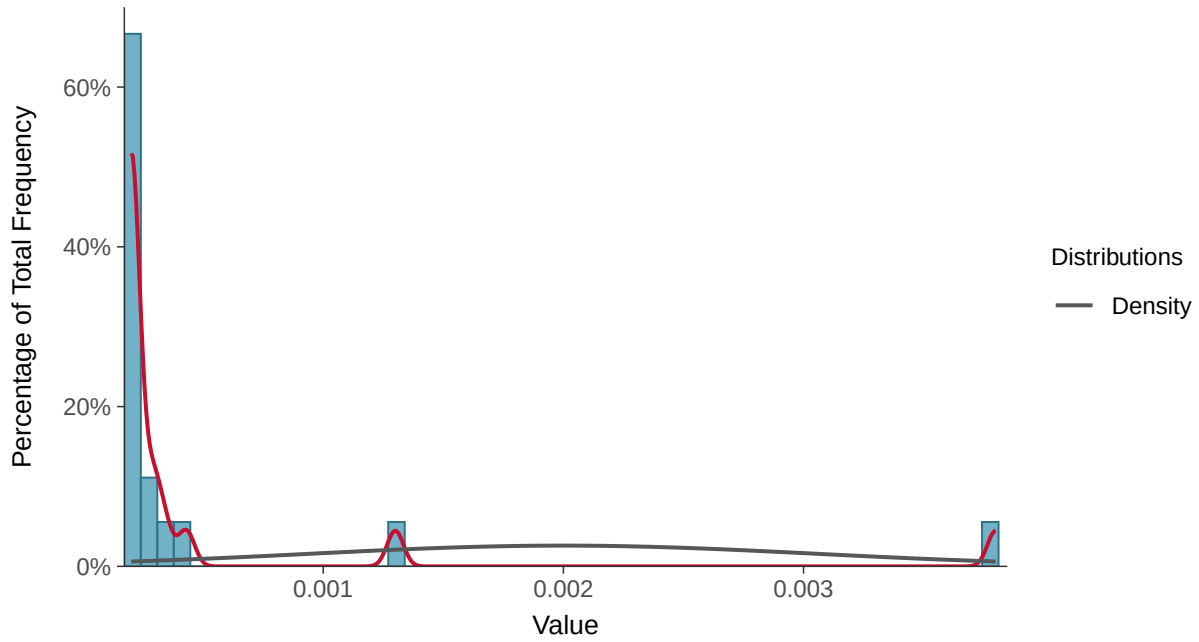
Scatter Plot

Copper, MW-09 (mg/L)



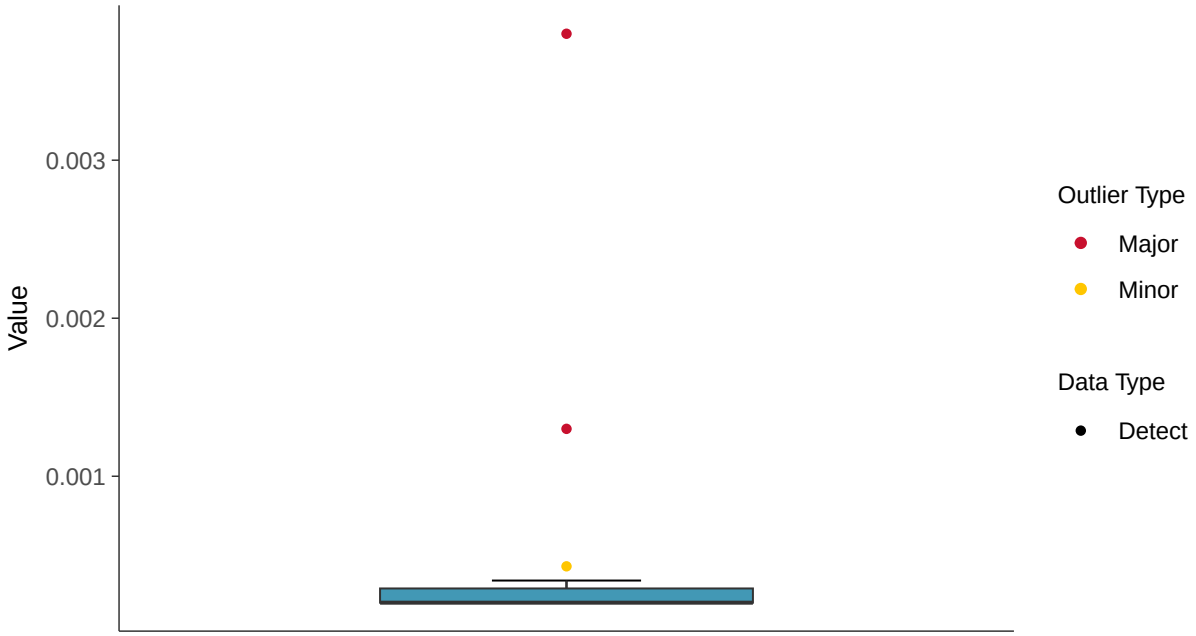
Histogram

Copper, MW-09 (mg/L)



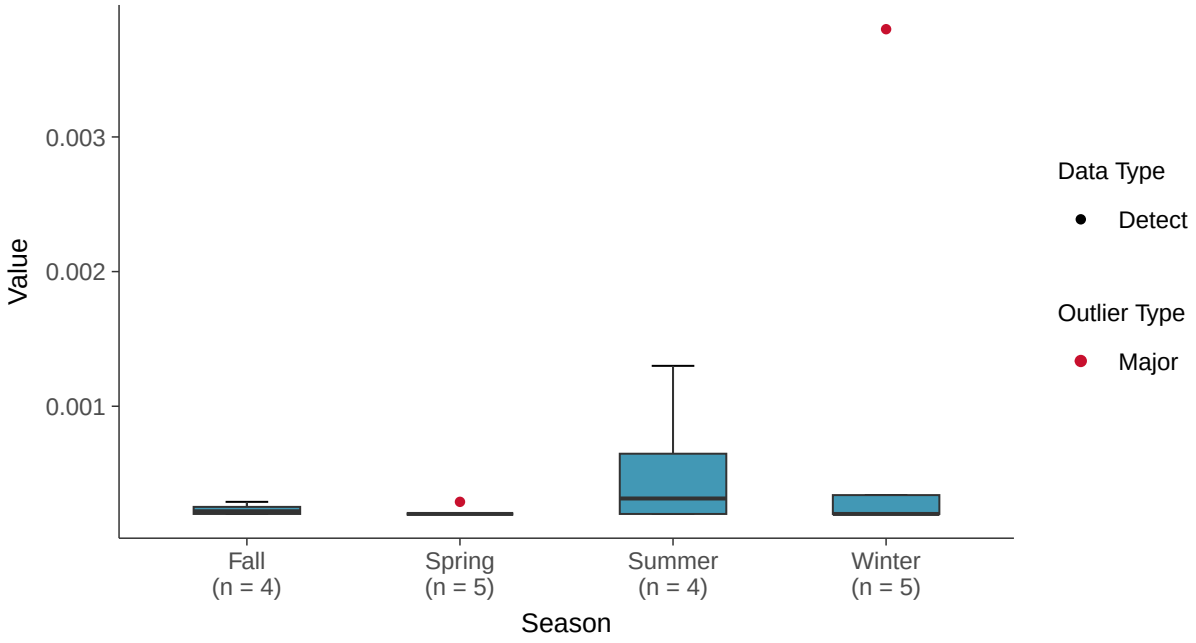
Boxplot

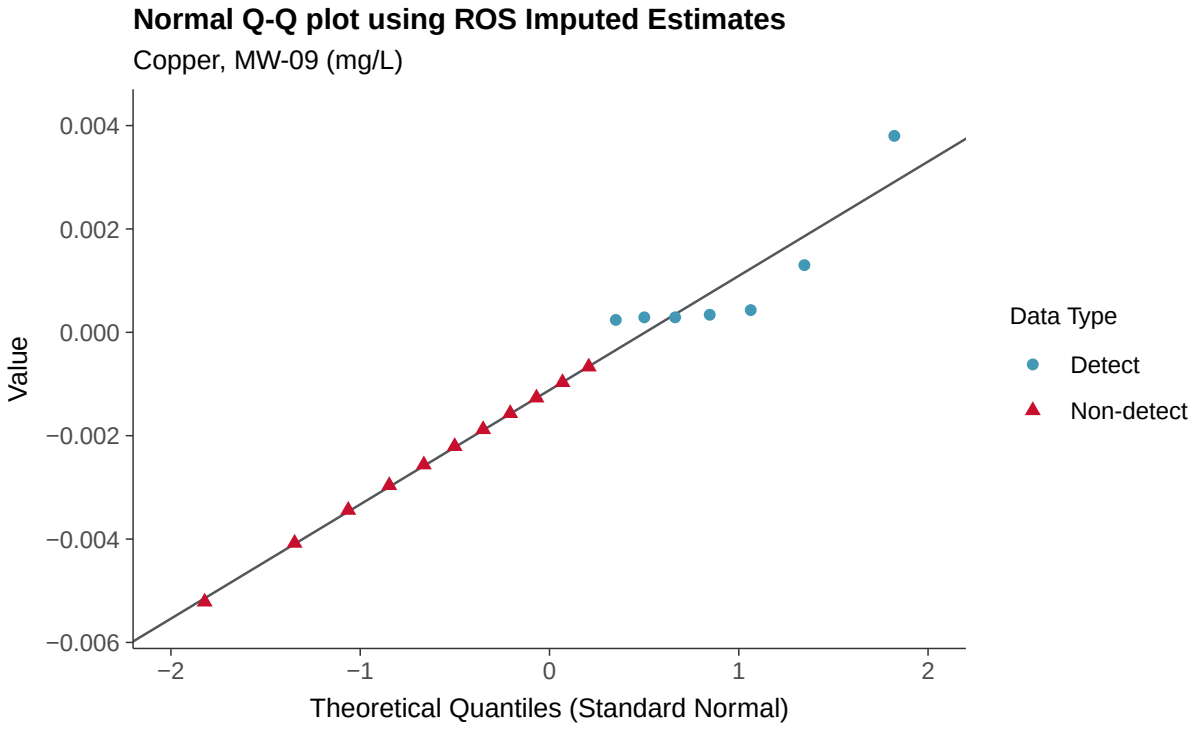
Copper, MW-09 (mg/L)



Boxplot by Season

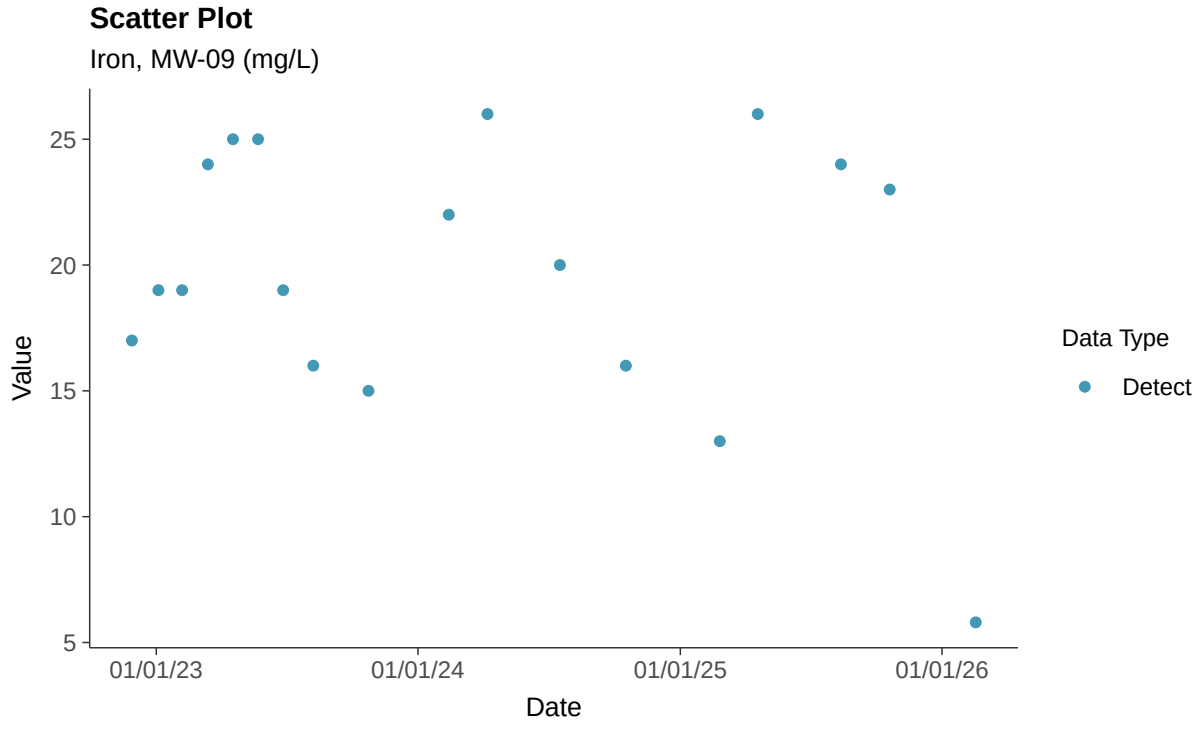
Copper, MW-09 (mg/L)

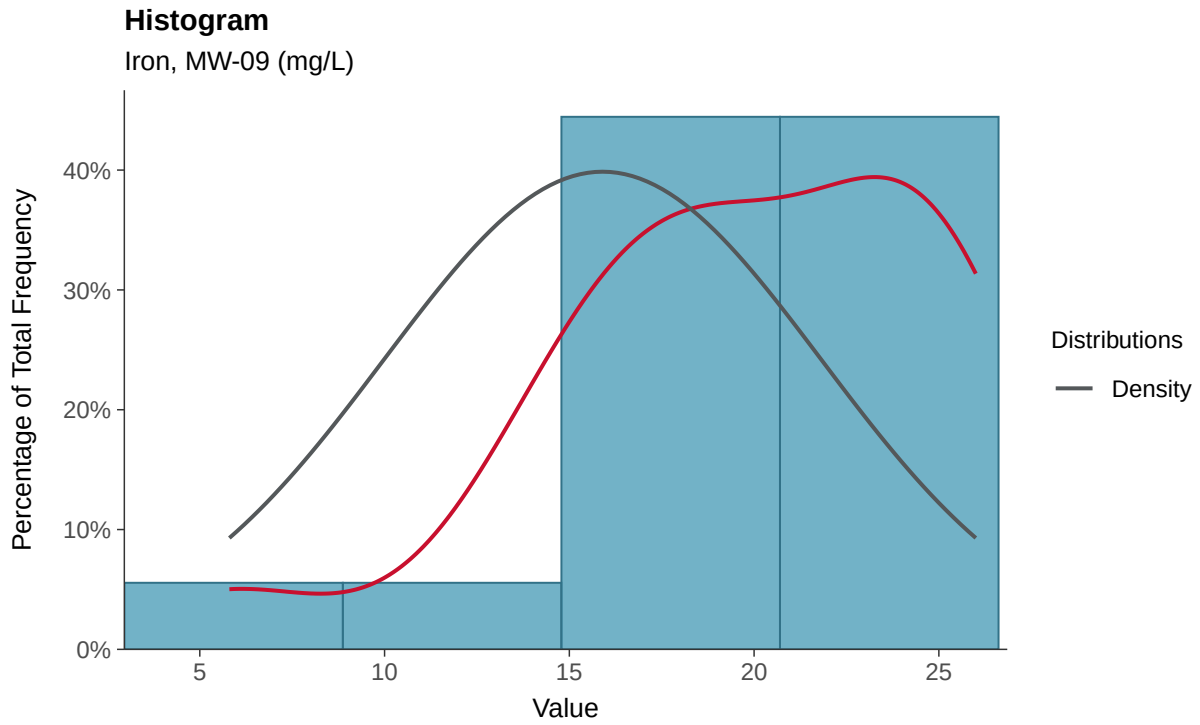



Normal Q-Q plot using ROS Imputed Estimates
Copper, MW-09 (mg/L)
Value
0.004
0.002
0.000
−0.002
−0.004
−0.006
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect
Non-detect

Part 115: Iron, MW-09

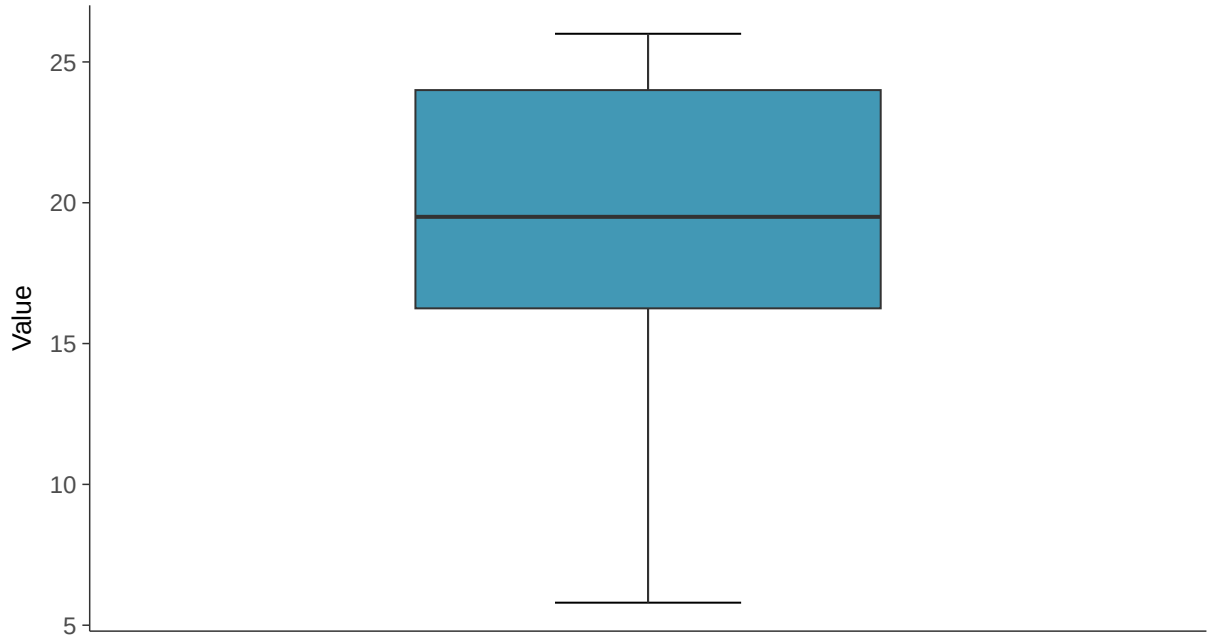
ID: 19_2_5_114





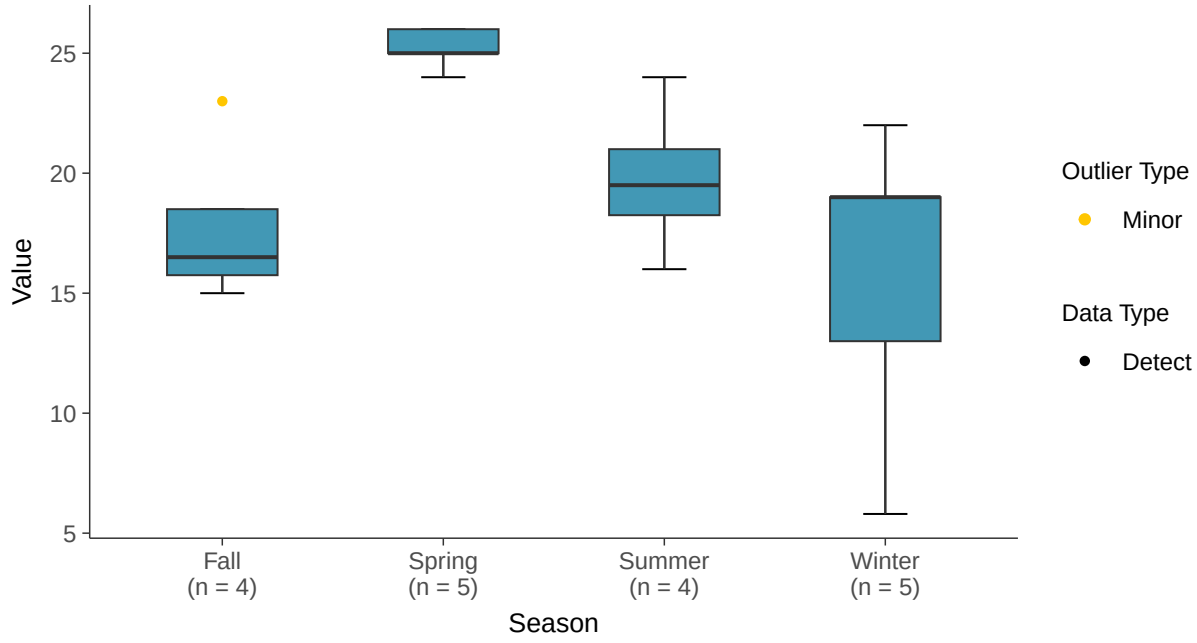
Boxplot

Iron, MW-09 (mg/L)



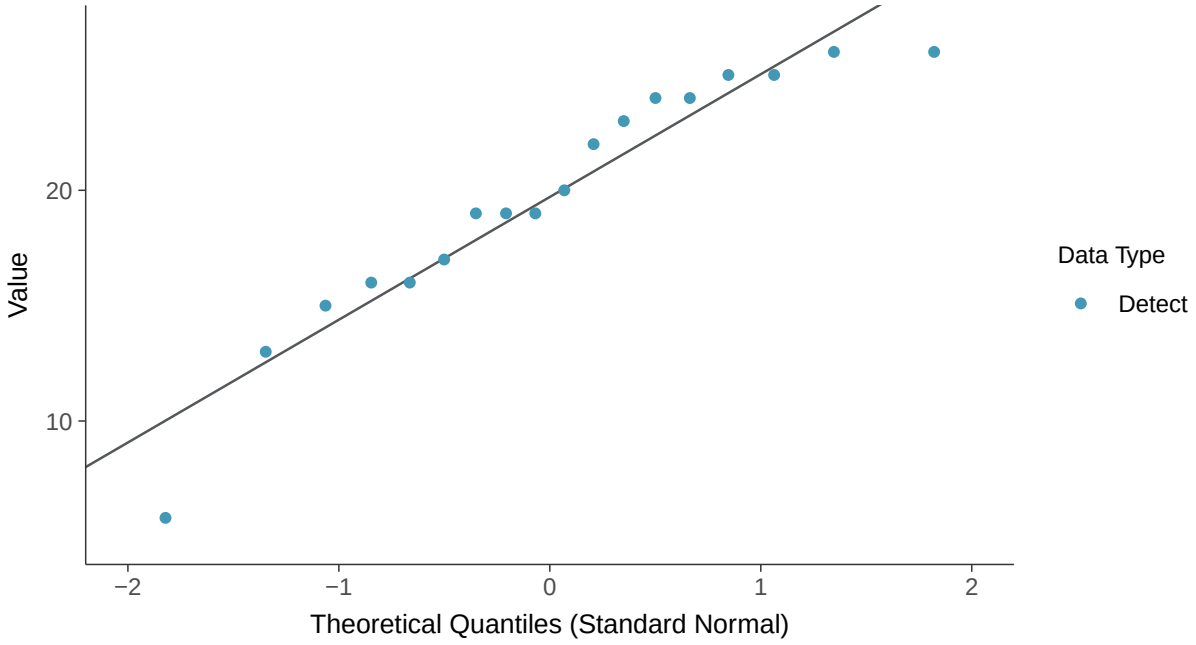
Boxplot by Season

Iron, MW-09 (mg/L)



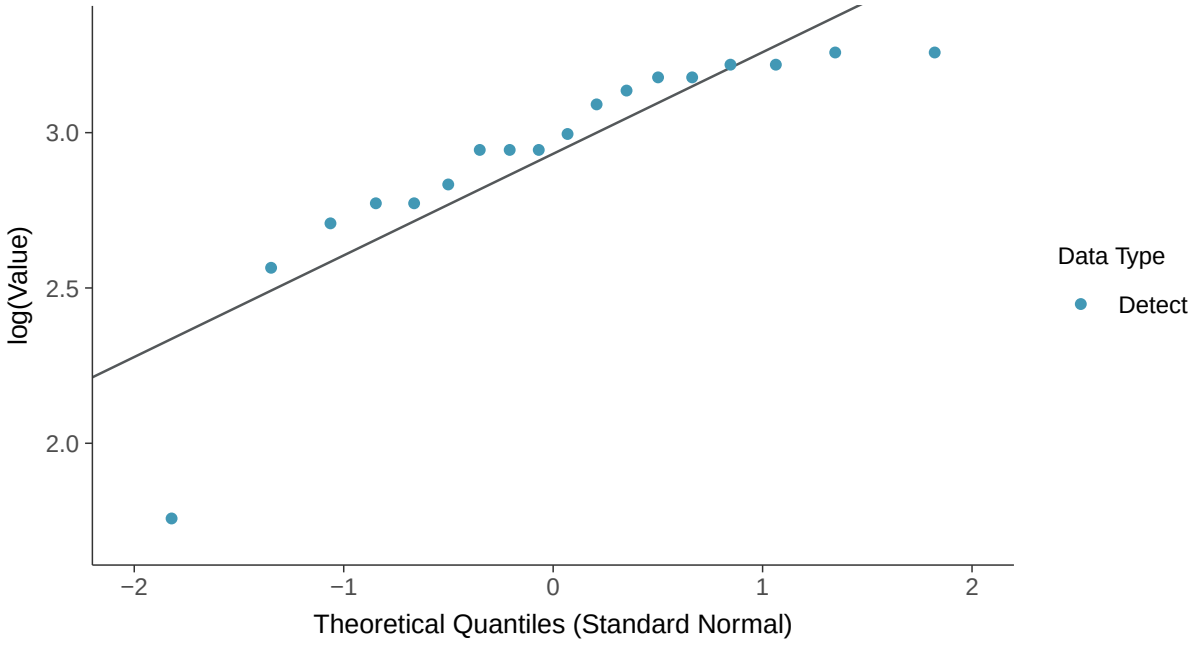
Normal Q-Q plot

Iron, MW-09 (mg/L)



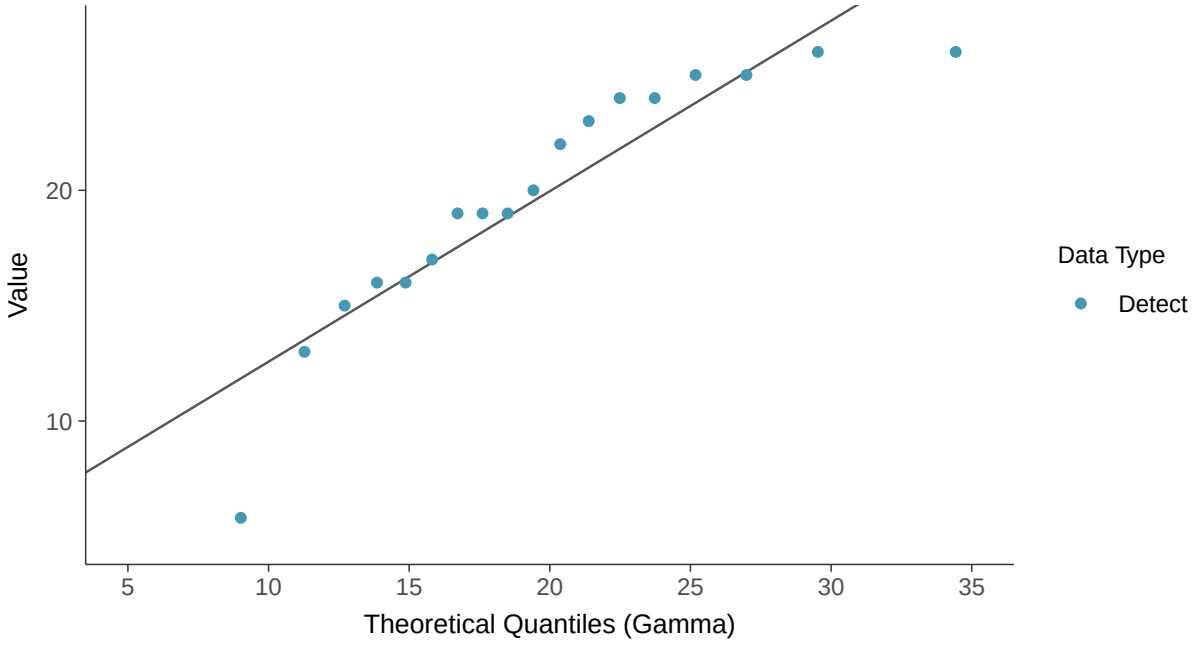
Lognormal Q-Q plot

Iron, MW-09 (mg/L)



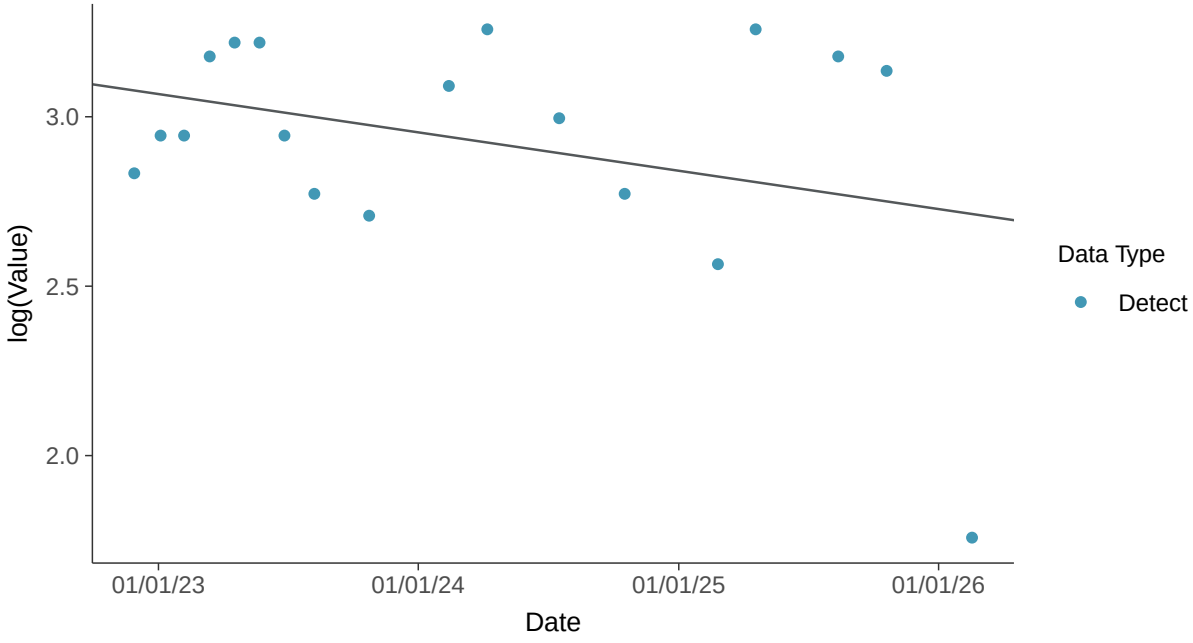
Gamma Q-Q plot

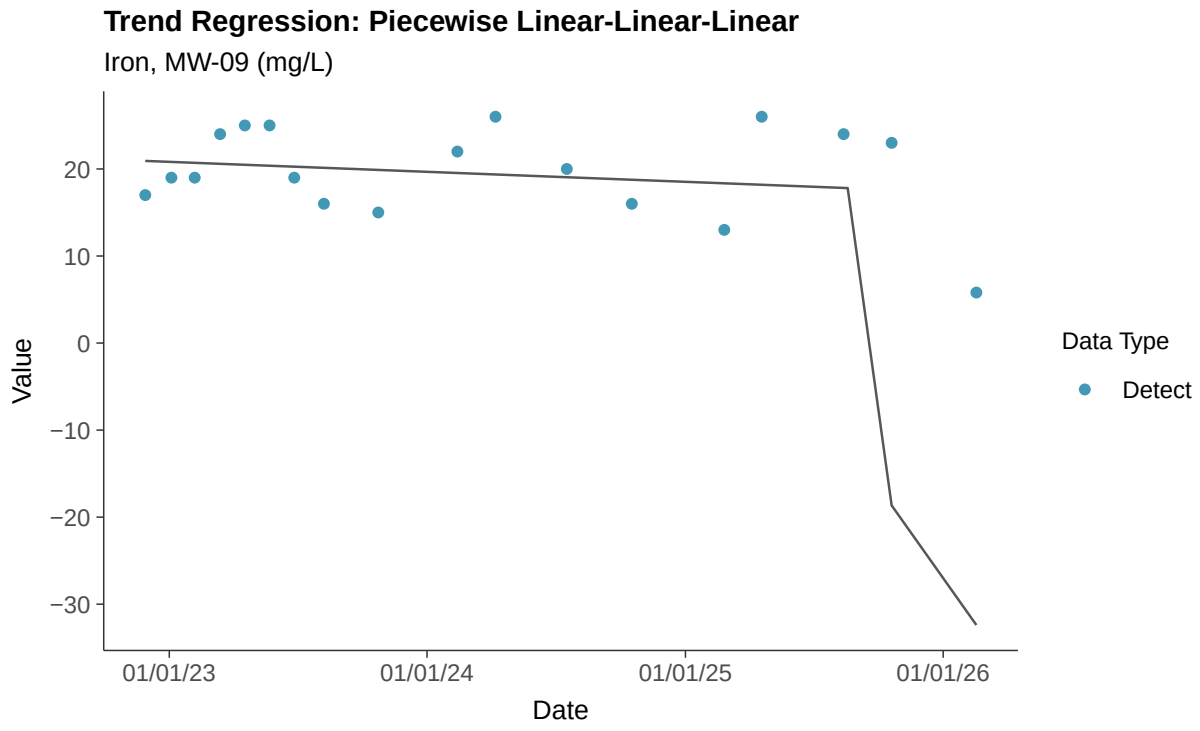
Iron, MW-09 (mg/L)



Trend Regression: Lognormal MLE

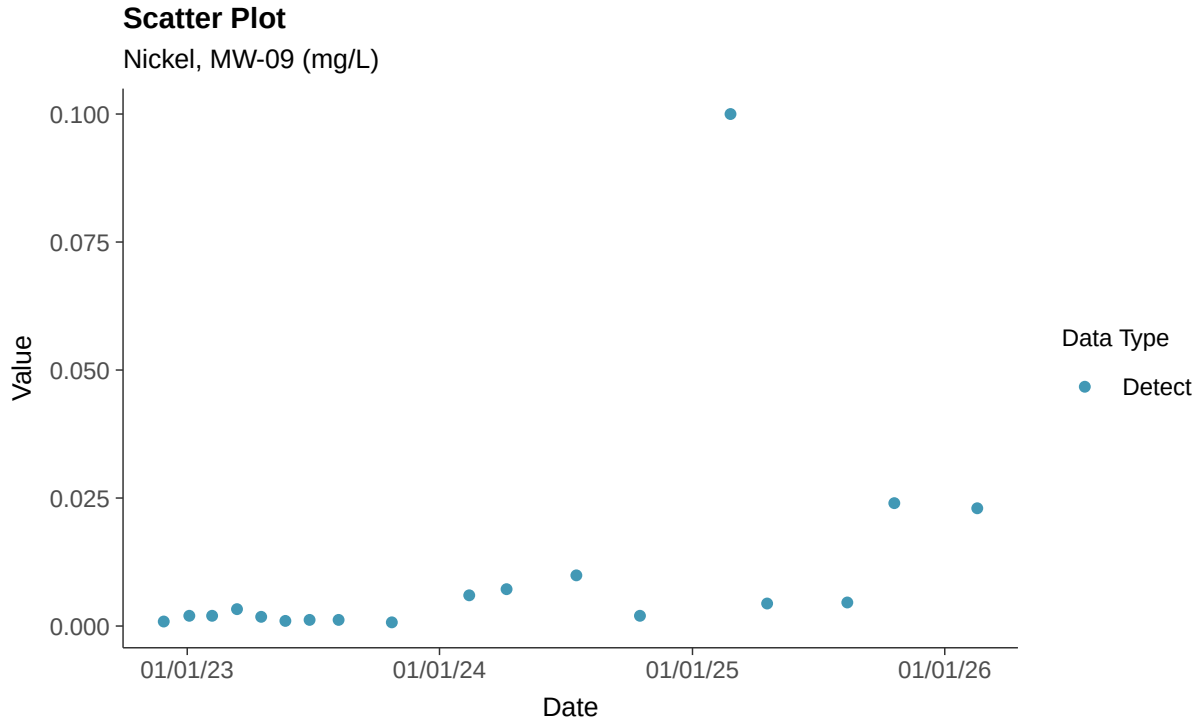
Iron, MW-09 (mg/L)

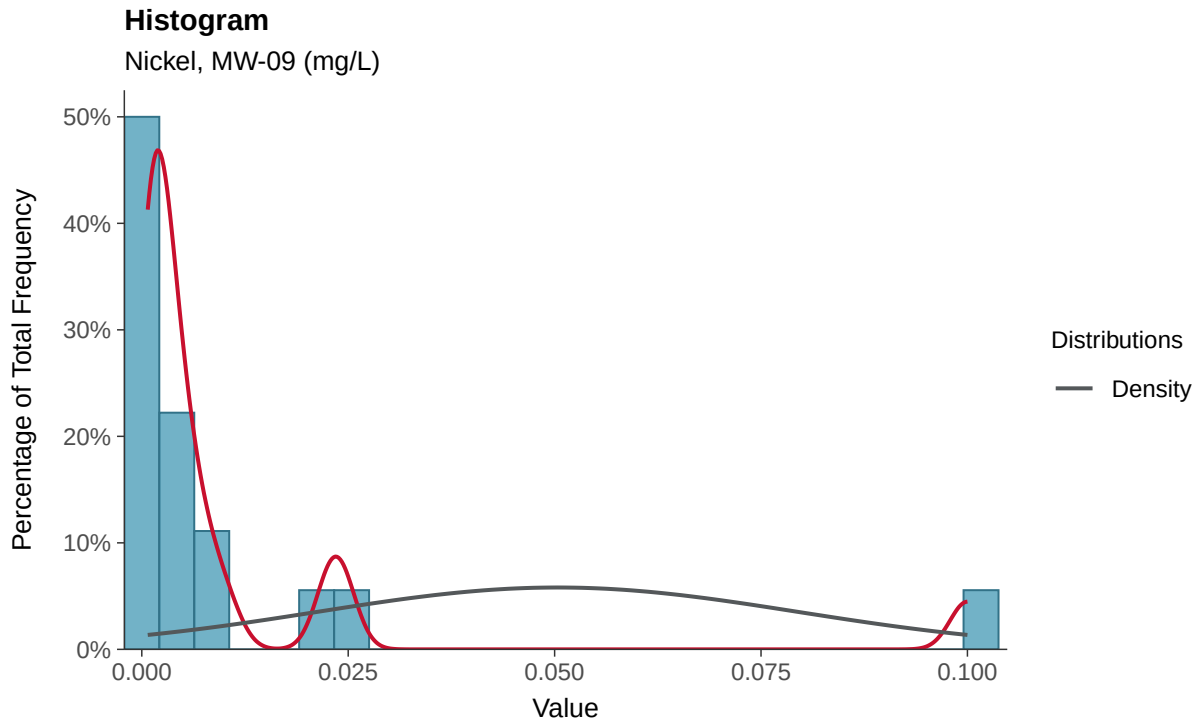



Trend Regression: Piecewise Linear-Linear-Linear
Iron, MW-09 (mg/L)
Value
20
10
0
−10
−20
−30
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Part 115: Nickel, MW-09

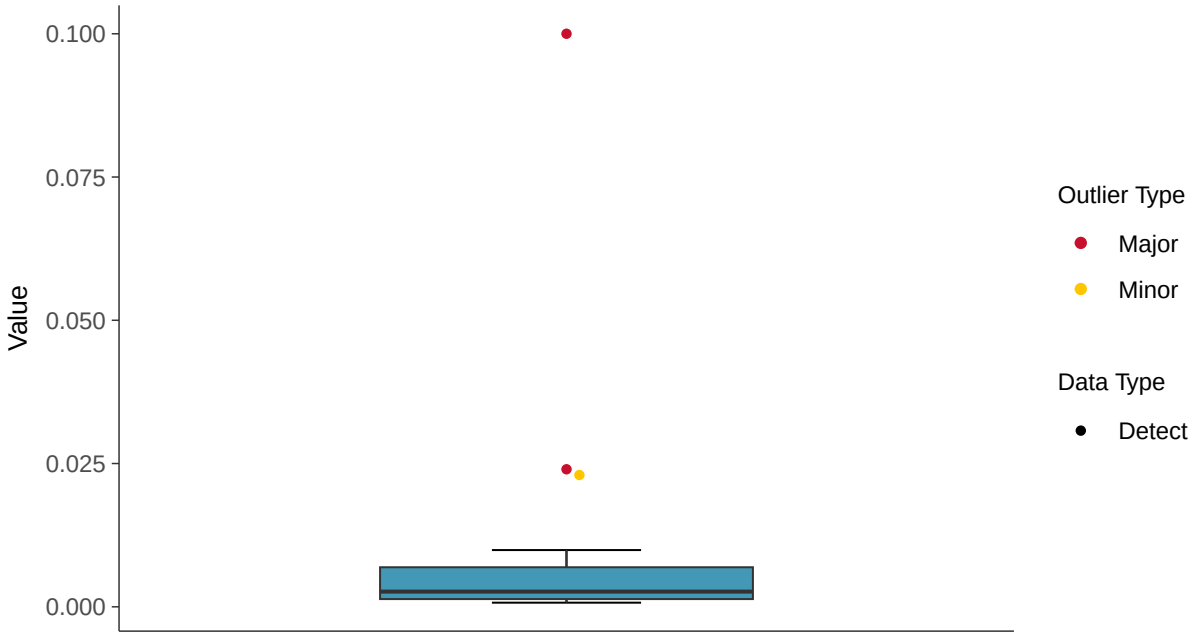
ID: 19_2_5_119





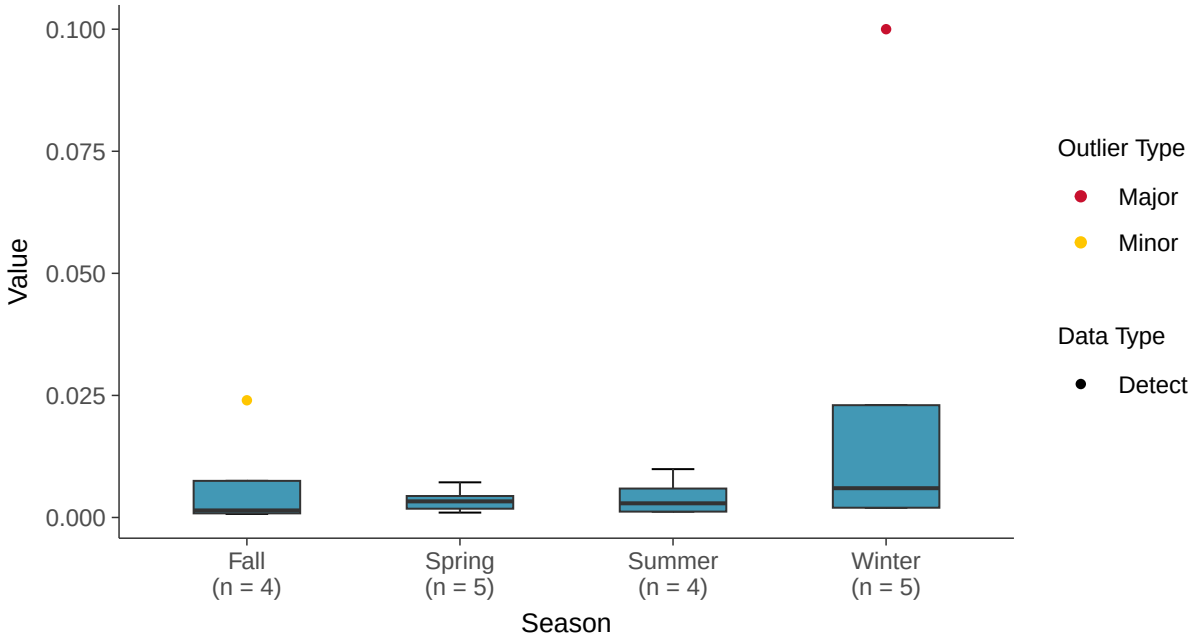
Boxplot

Nickel, MW-09 (mg/L)



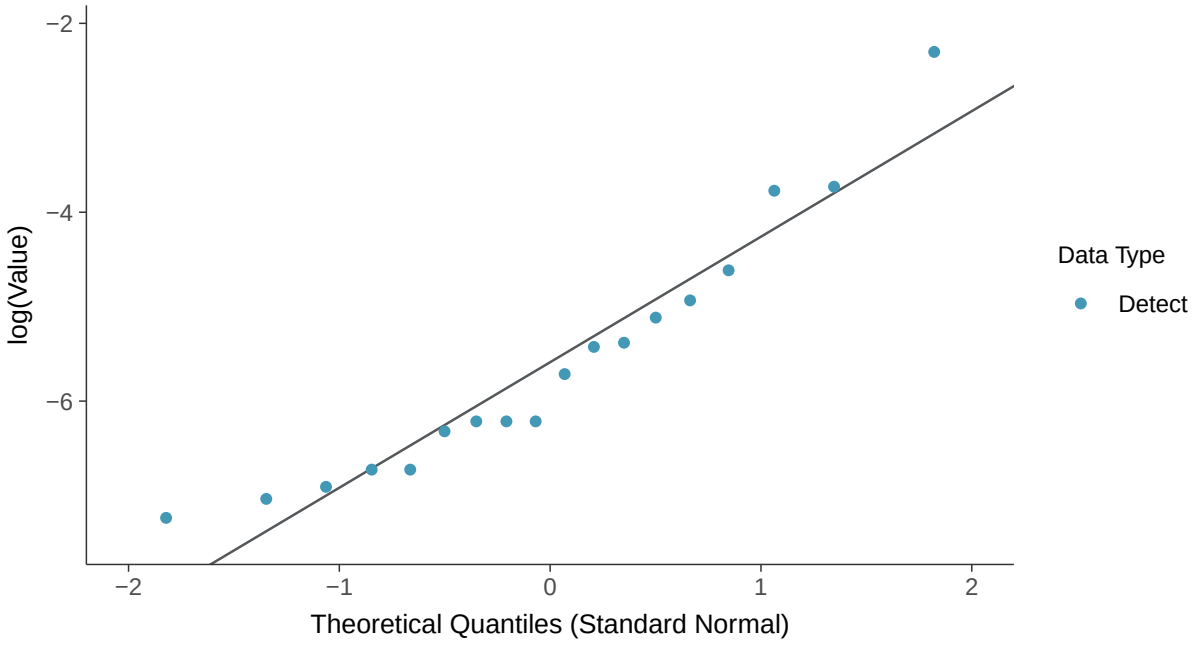
Boxplot by Season

Nickel, MW-09 (mg/L)



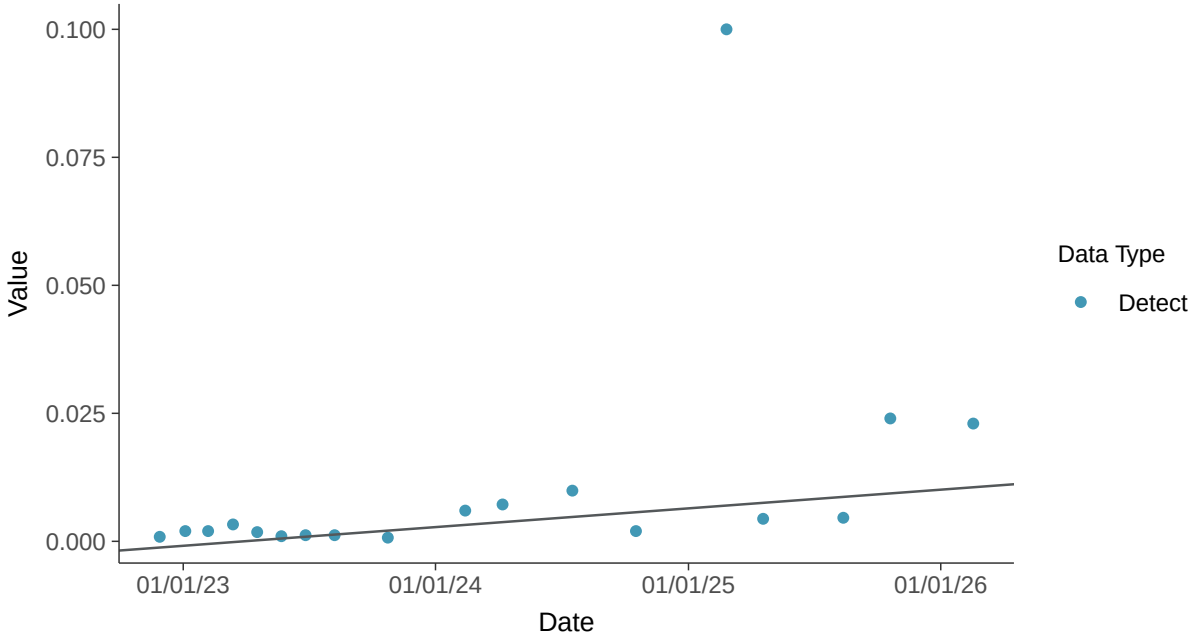
Lognormal Q-Q plot

Nickel, MW-09 (mg/L)



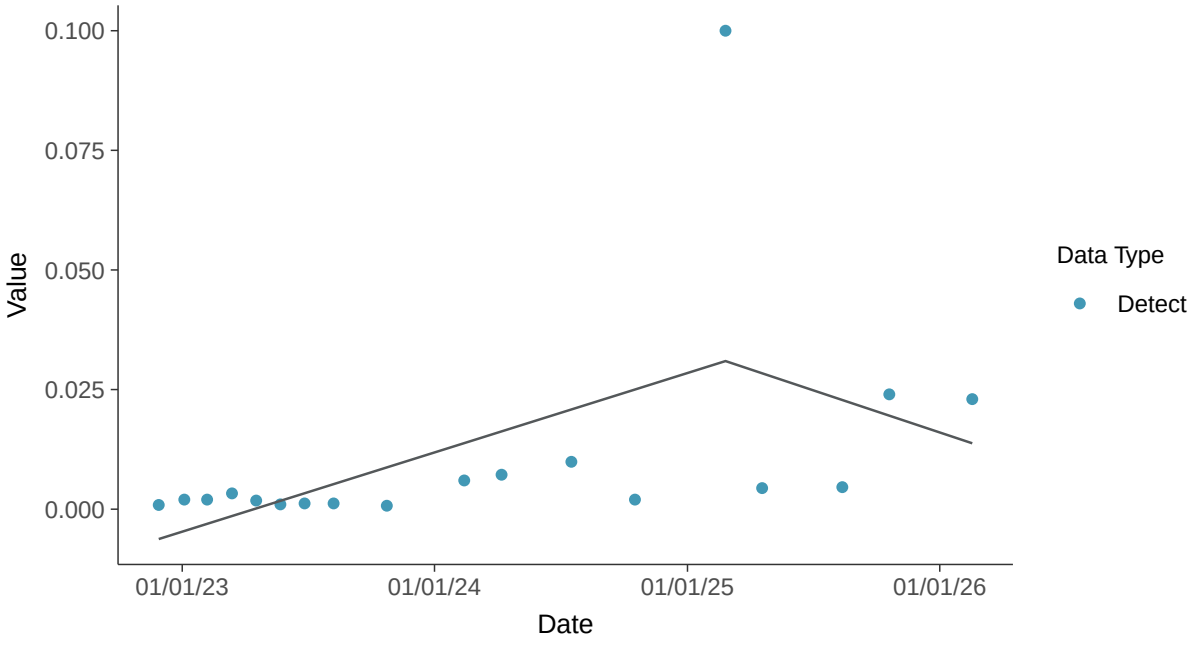
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Nickel, MW-09 (mg/L)



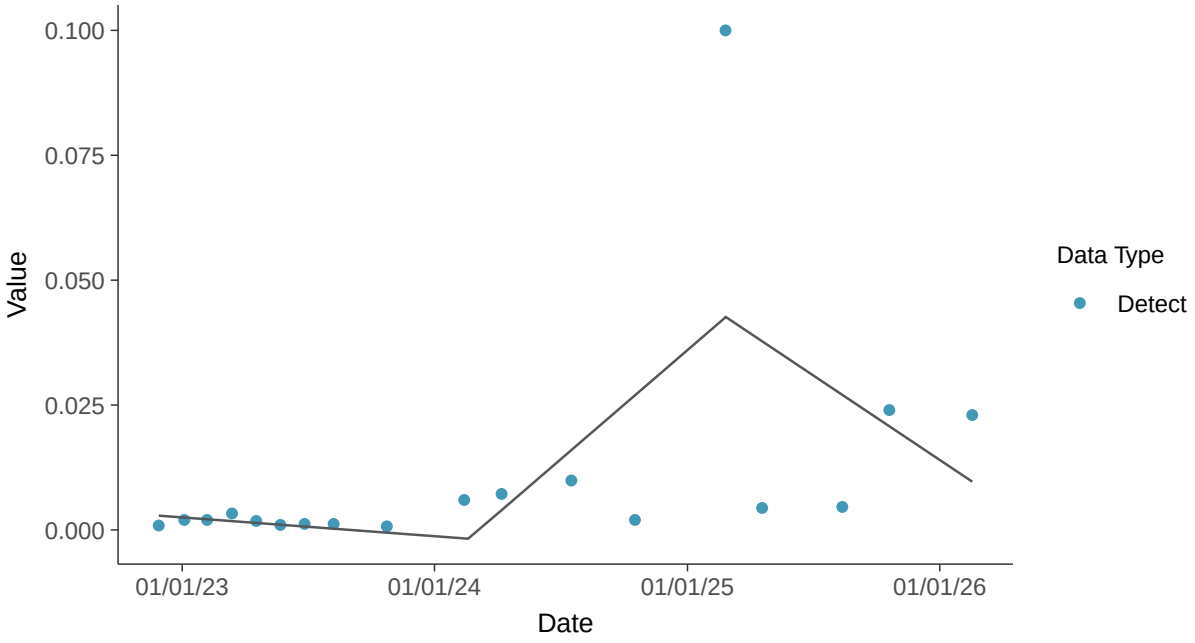
Trend Regression: Piecewise Linear-Linear

Nickel, MW-09 (mg/L)



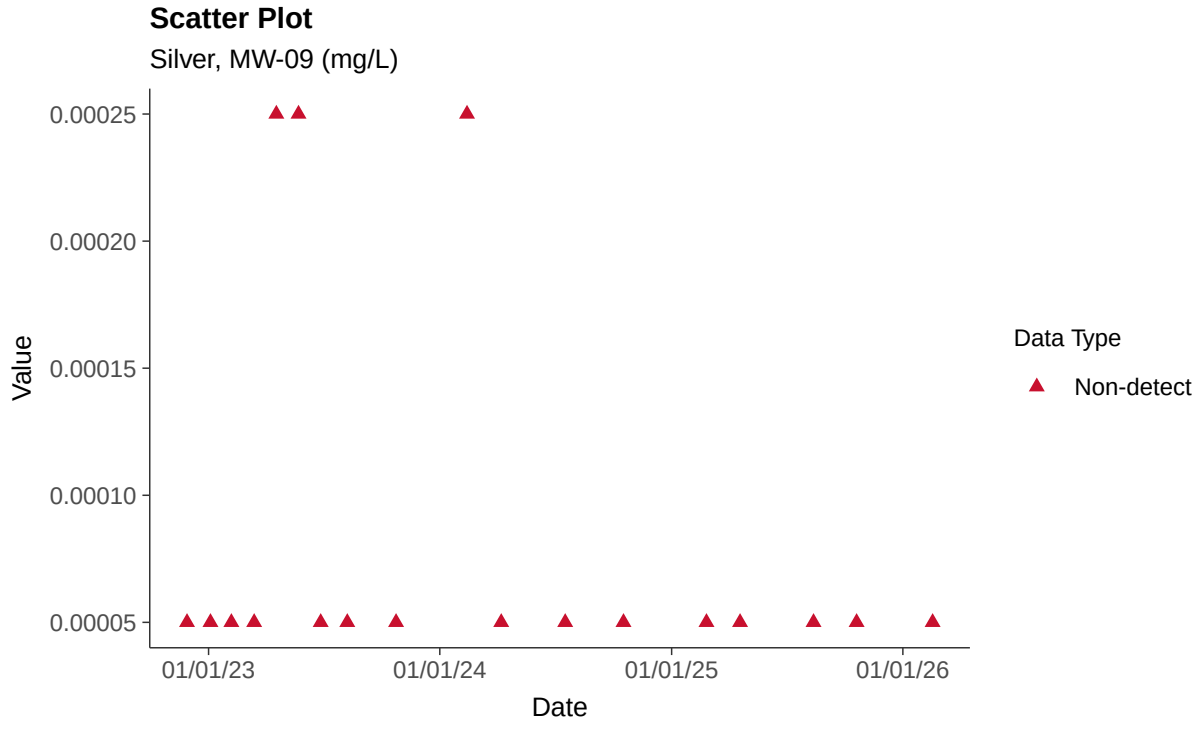
Trend Regression: Piecewise Linear-Linear-Linear

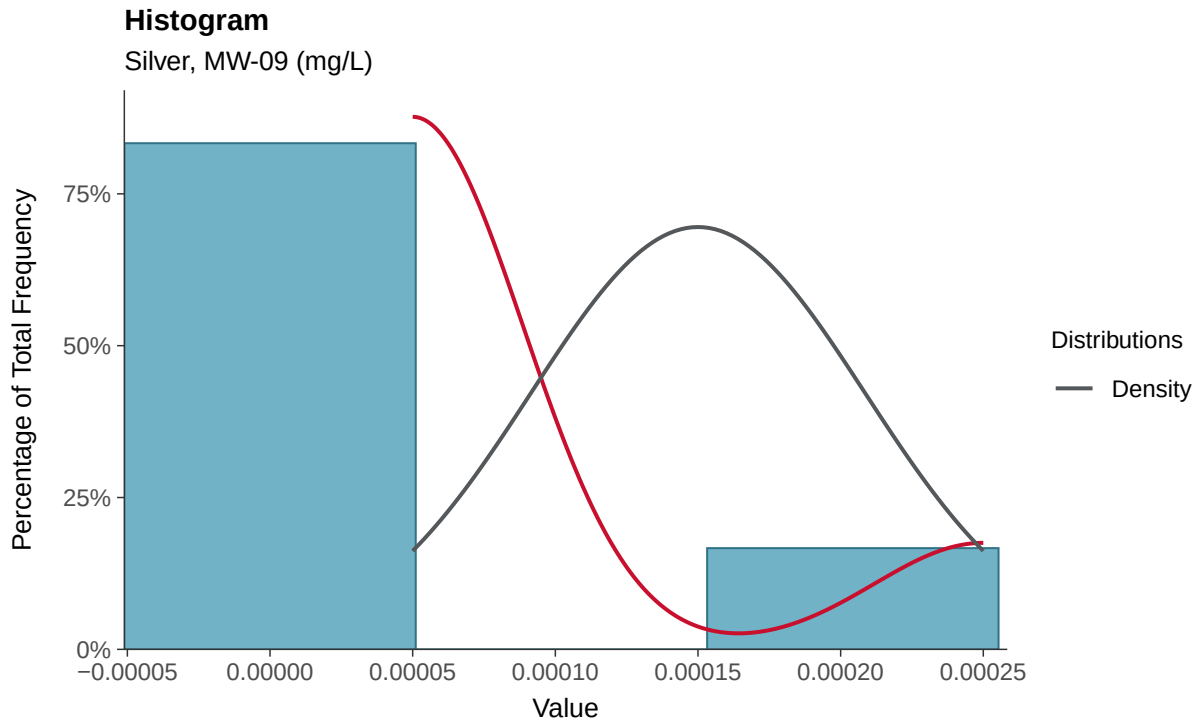
Nickel, MW-09 (mg/L)



Part 115: Silver, MW-09

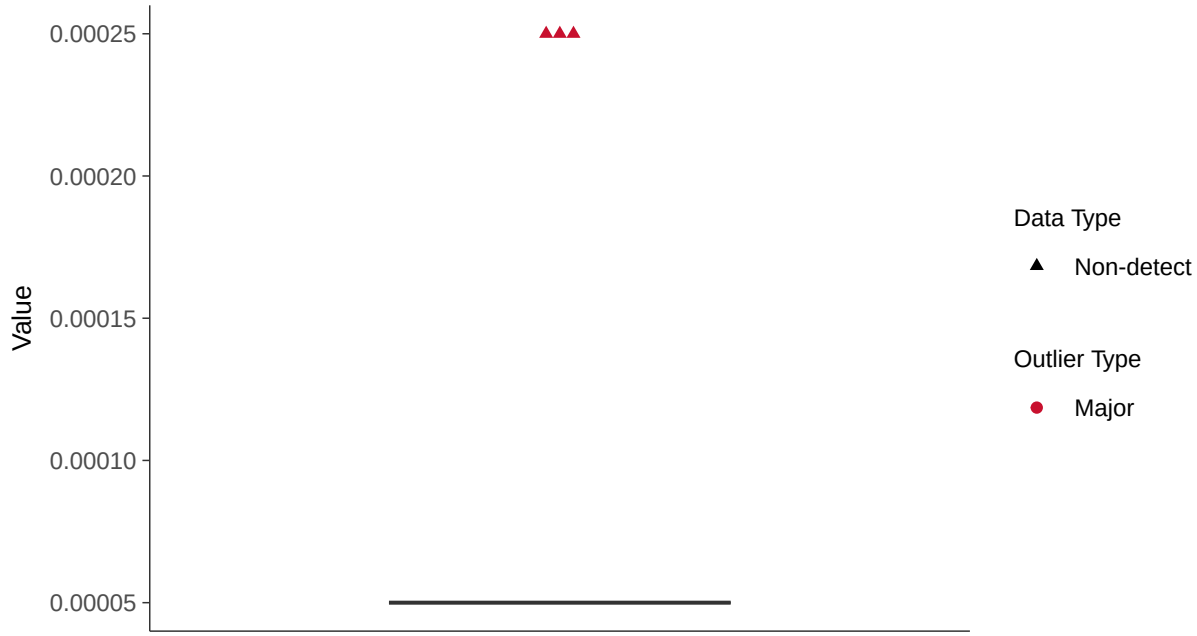
ID: 19_2_5_123





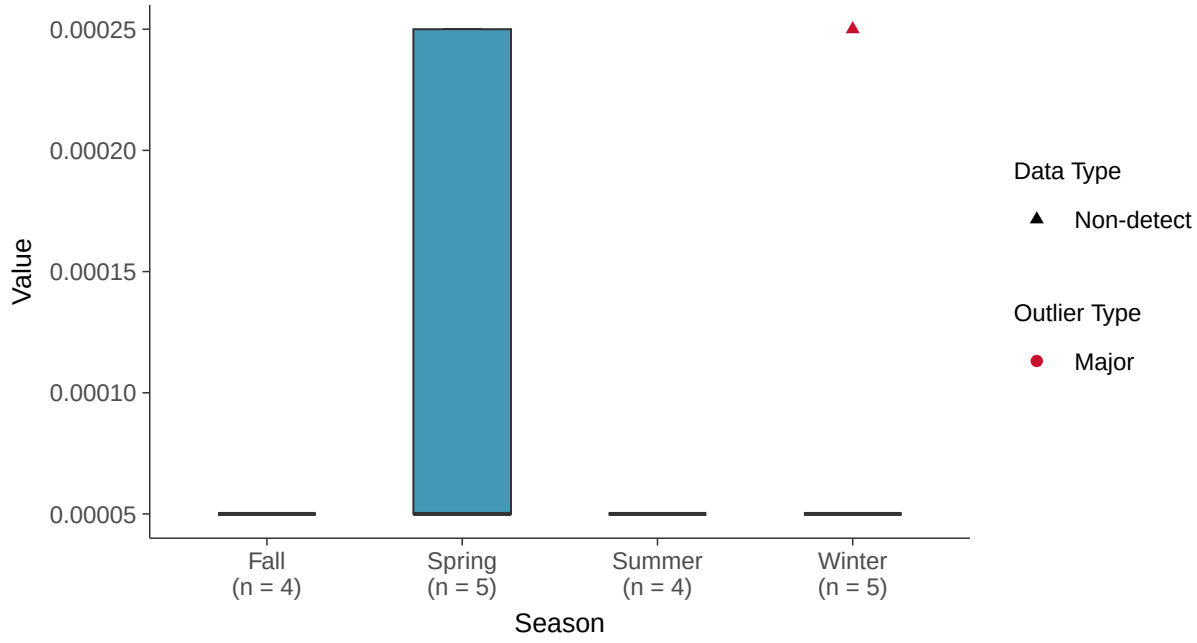
Boxplot

Silver, MW-09 (mg/L)



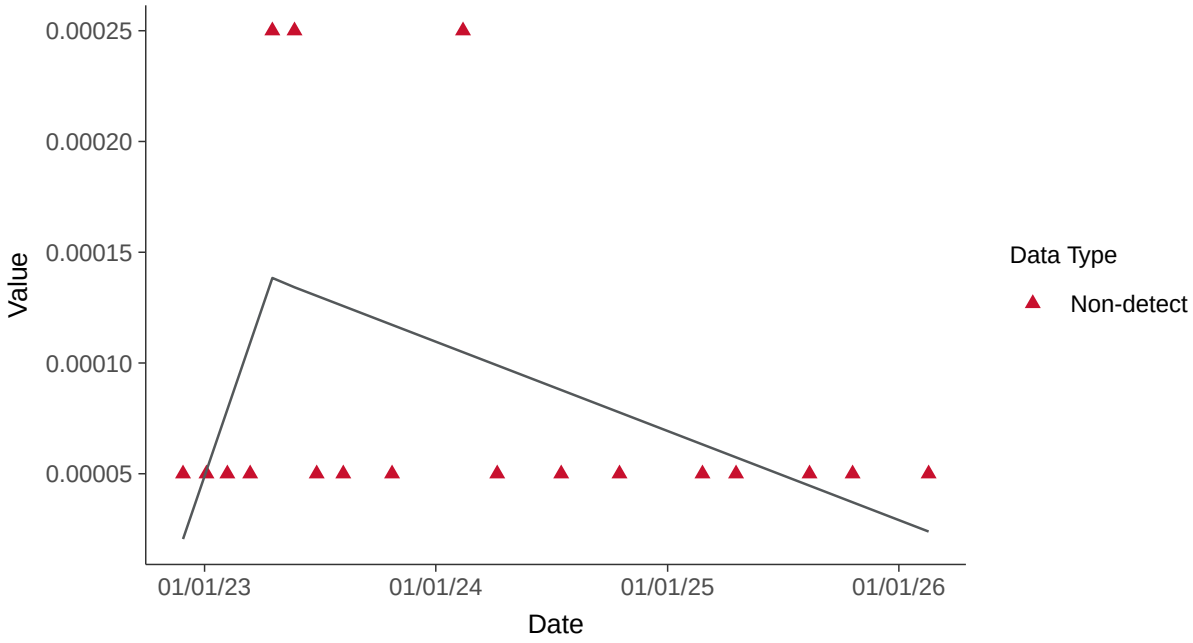
Boxplot by Season

Silver, MW-09 (mg/L)



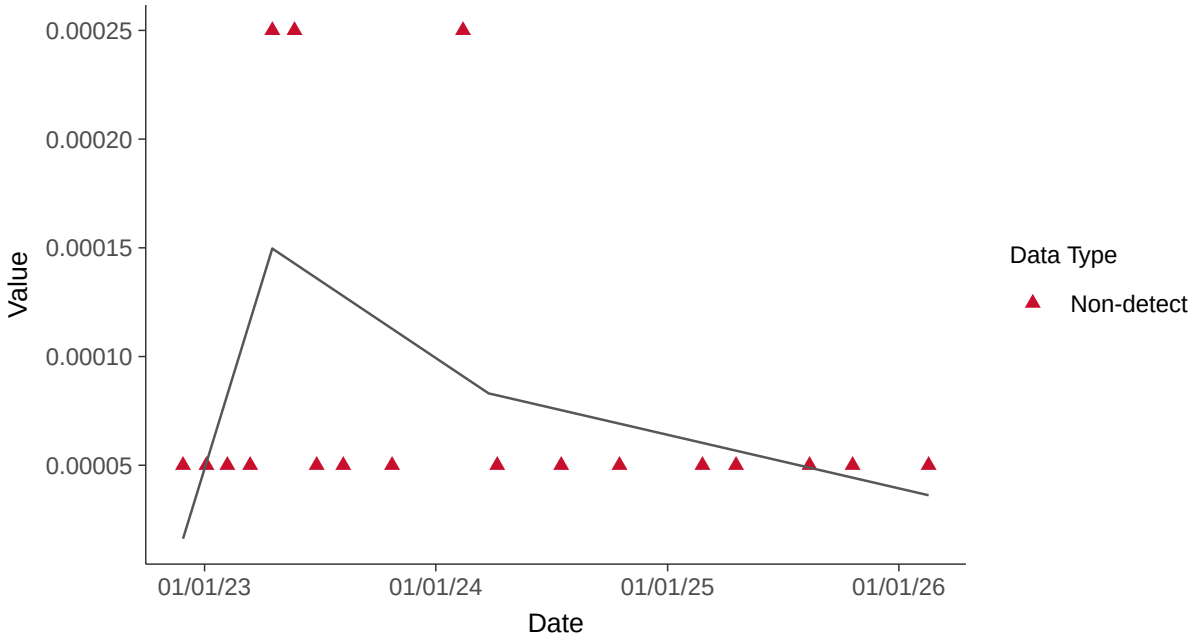
Trend Regression: Piecewise Linear-Linear

Silver, MW-09 (mg/L)



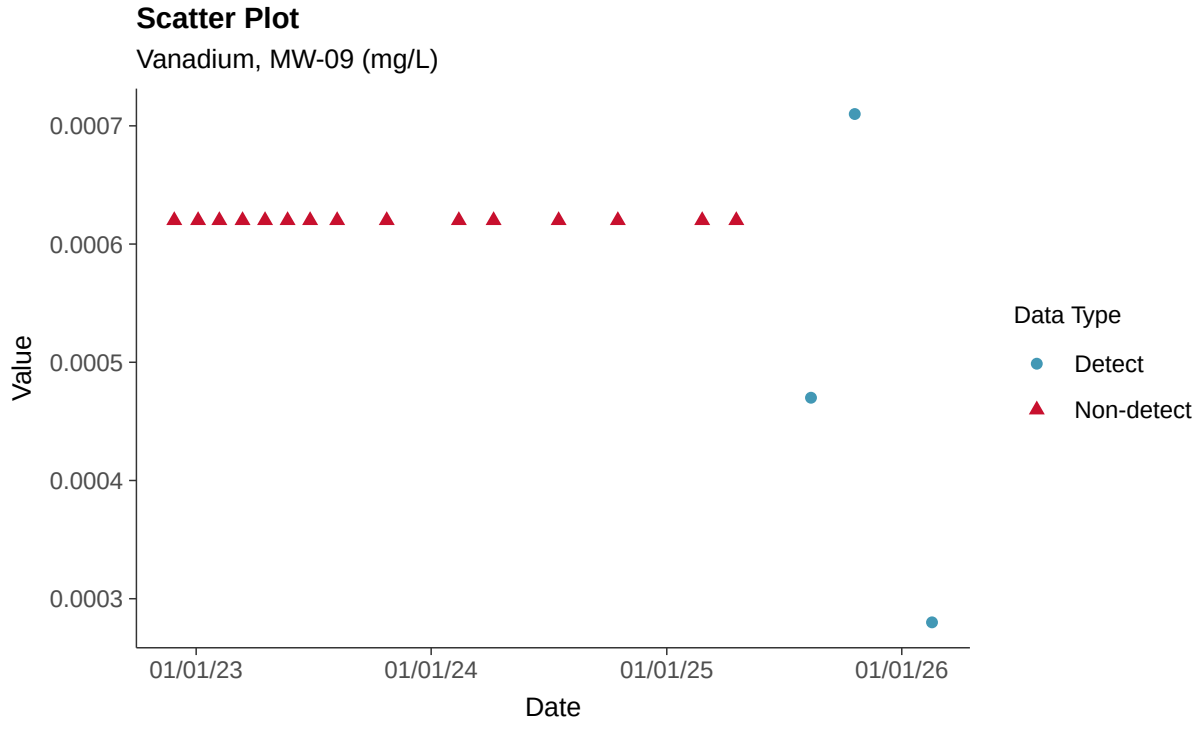
Trend Regression: Piecewise Linear-Linear-Linear

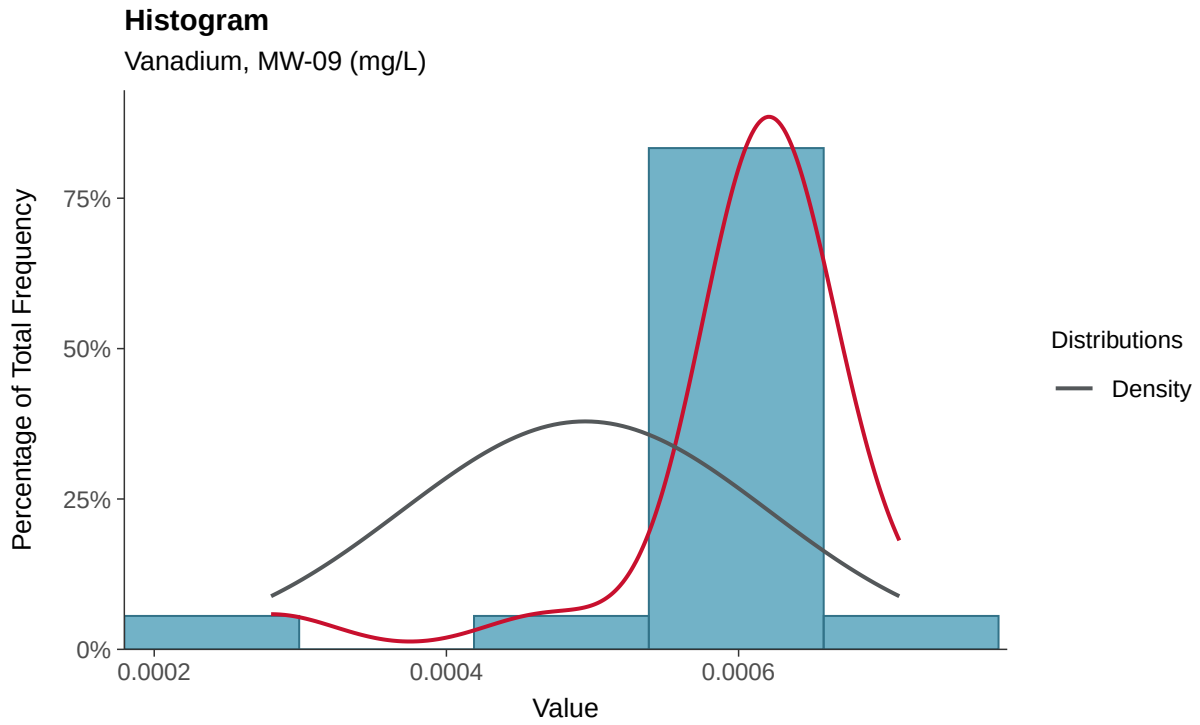
Silver, MW-09 (mg/L)



Part 115: Vanadium, MW-09

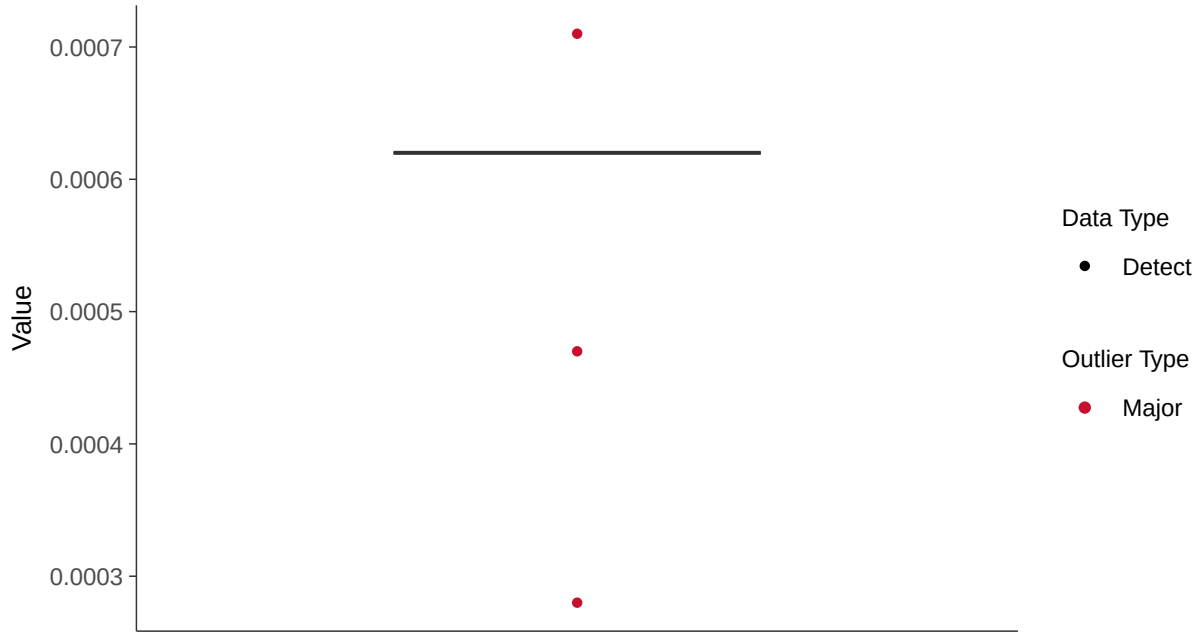
ID: 19_2_5_128





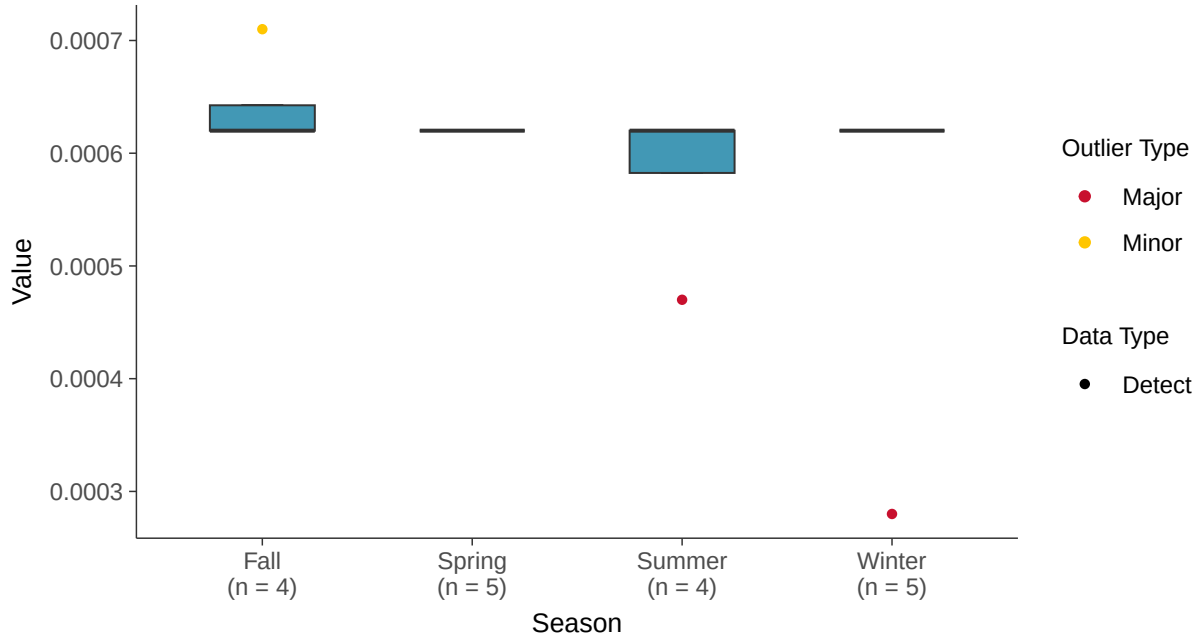
Boxplot

Vanadium, MW-09 (mg/L)



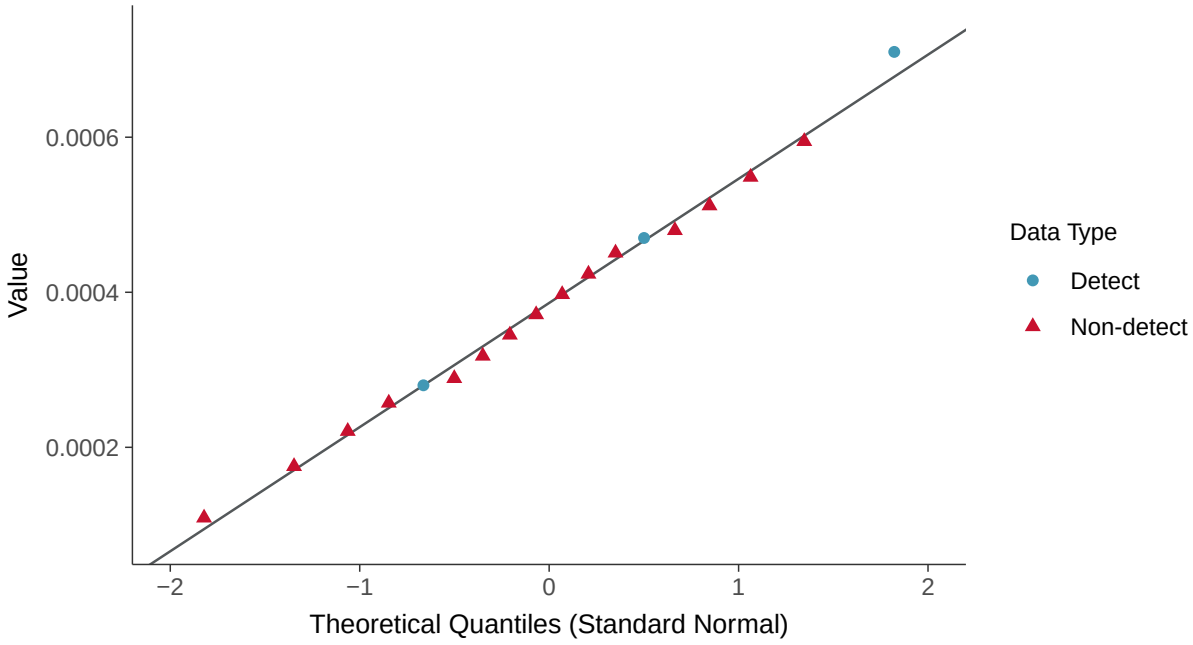
Boxplot by Season

Vanadium, MW-09 (mg/L)



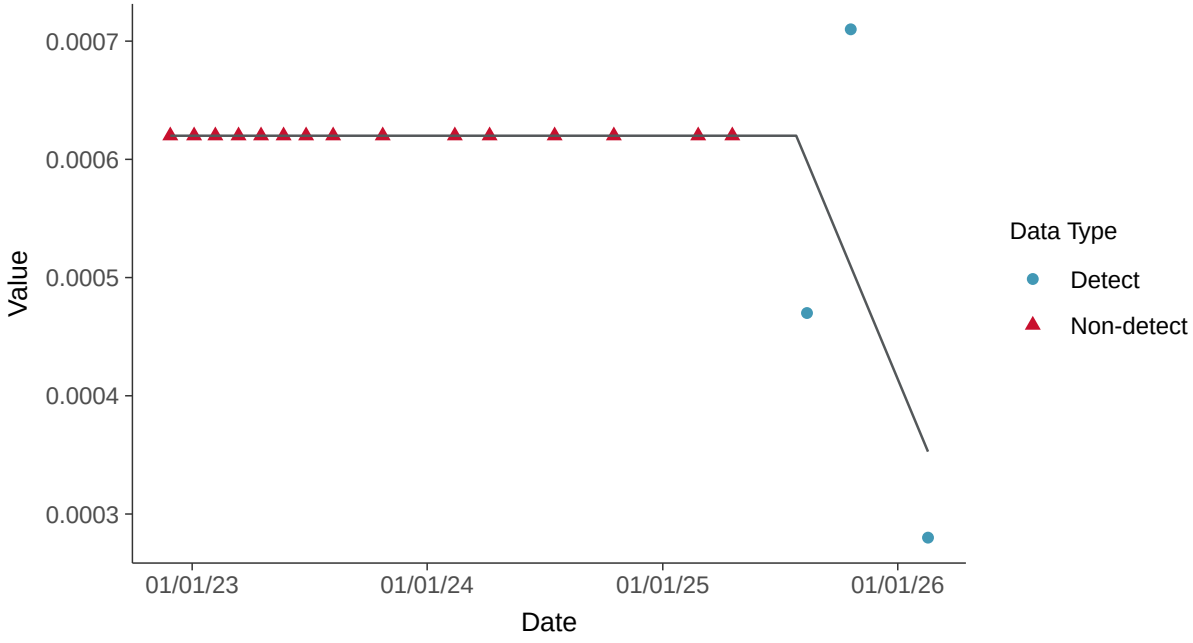
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-09 (mg/L)



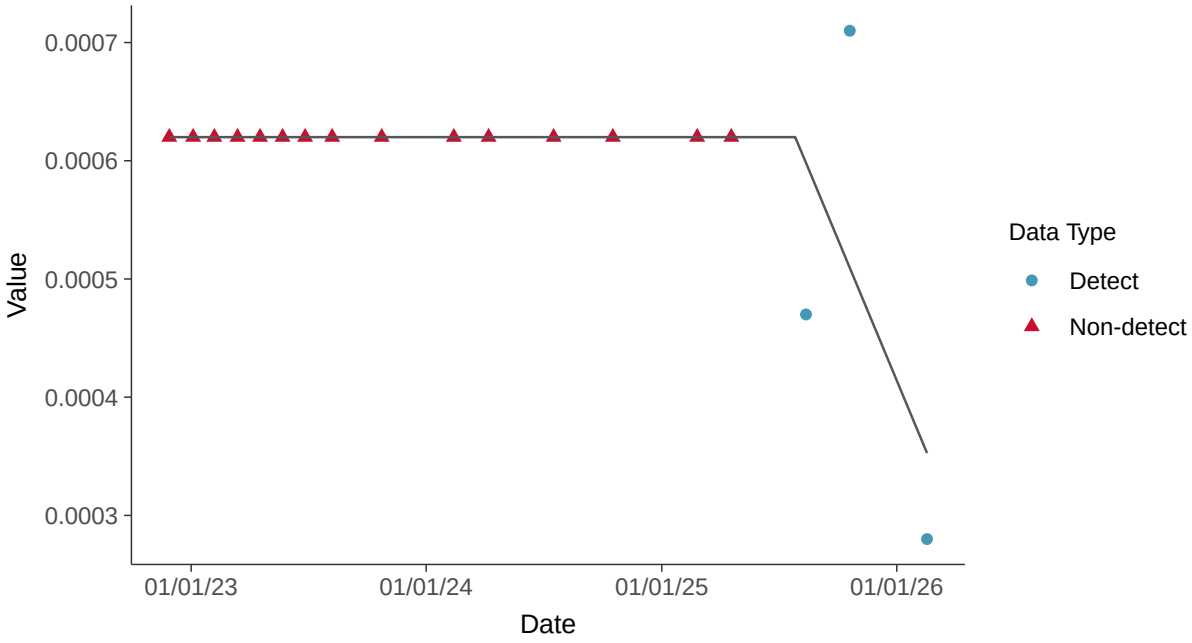
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-09 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Vanadium, MW-09 (mg/L)

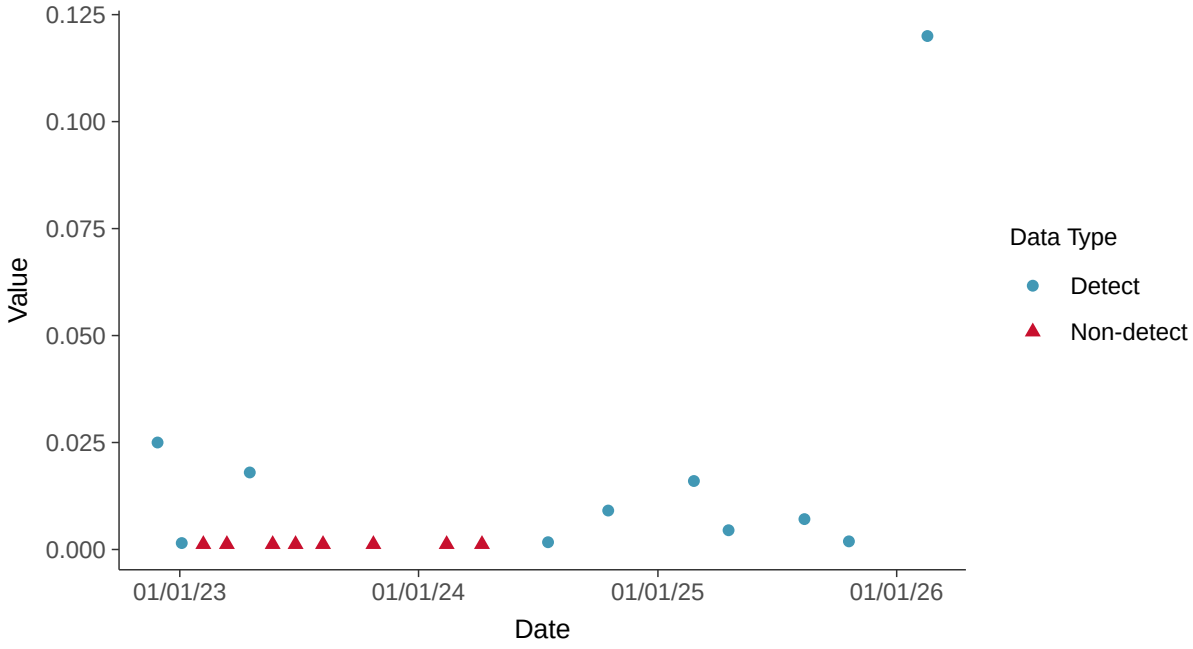


Part 115: Zinc, MW-09

ID: 19_2_5_129

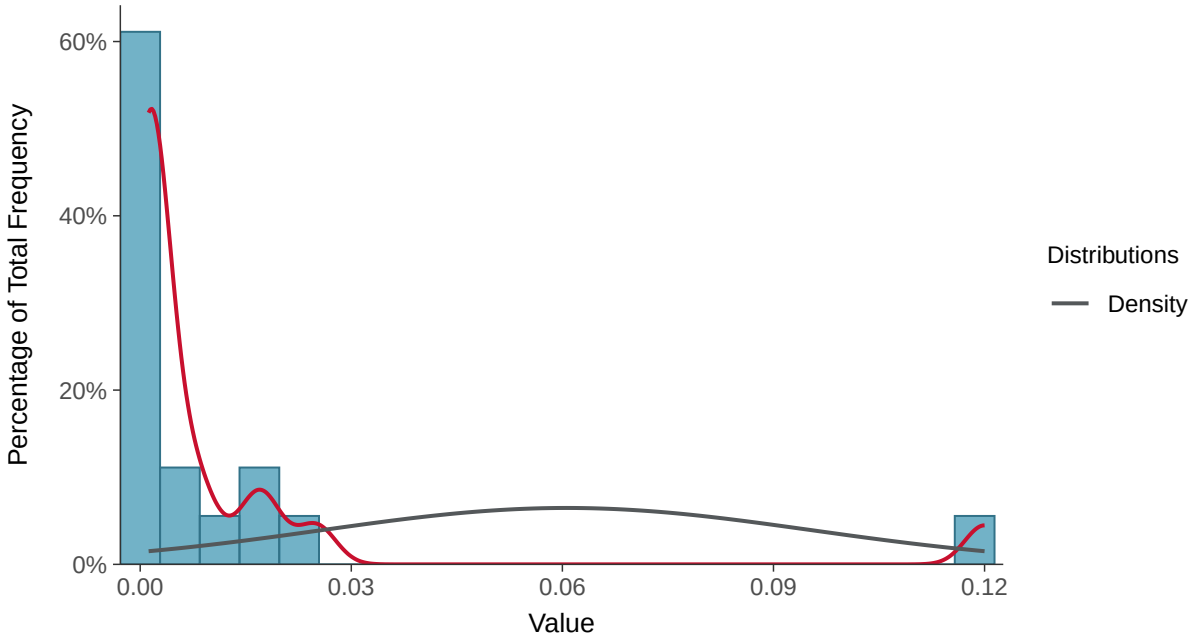
Scatter Plot

Zinc, MW-09 (mg/L)



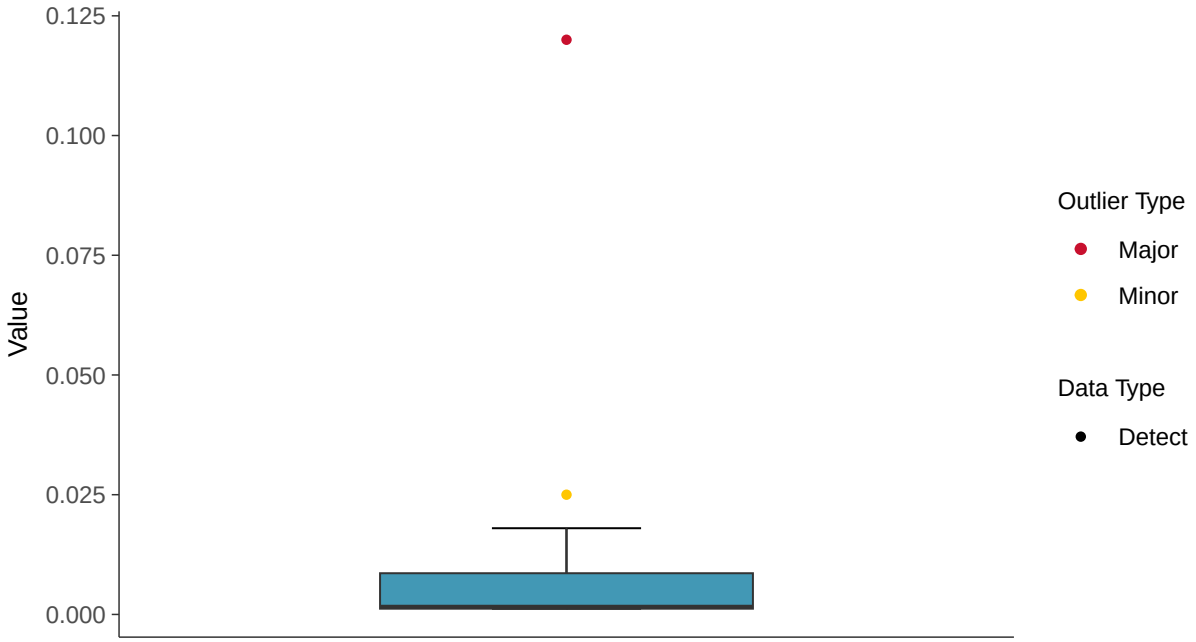
Histogram

Zinc, MW-09 (mg/L)



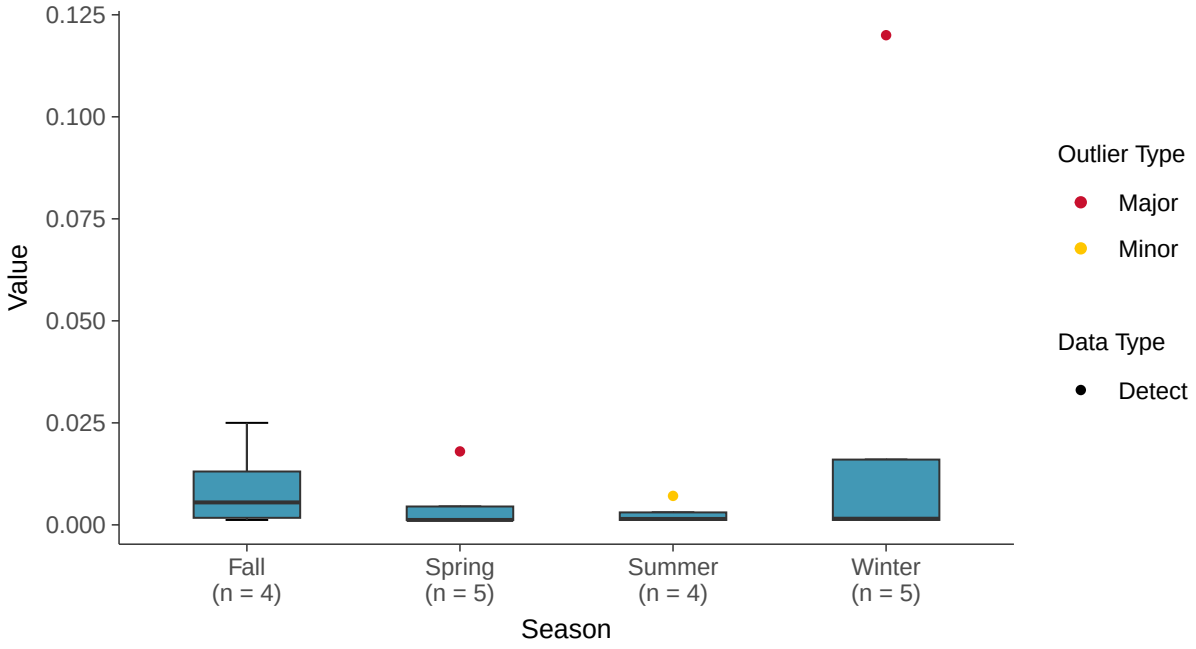
Boxplot

Zinc, MW-09 (mg/L)



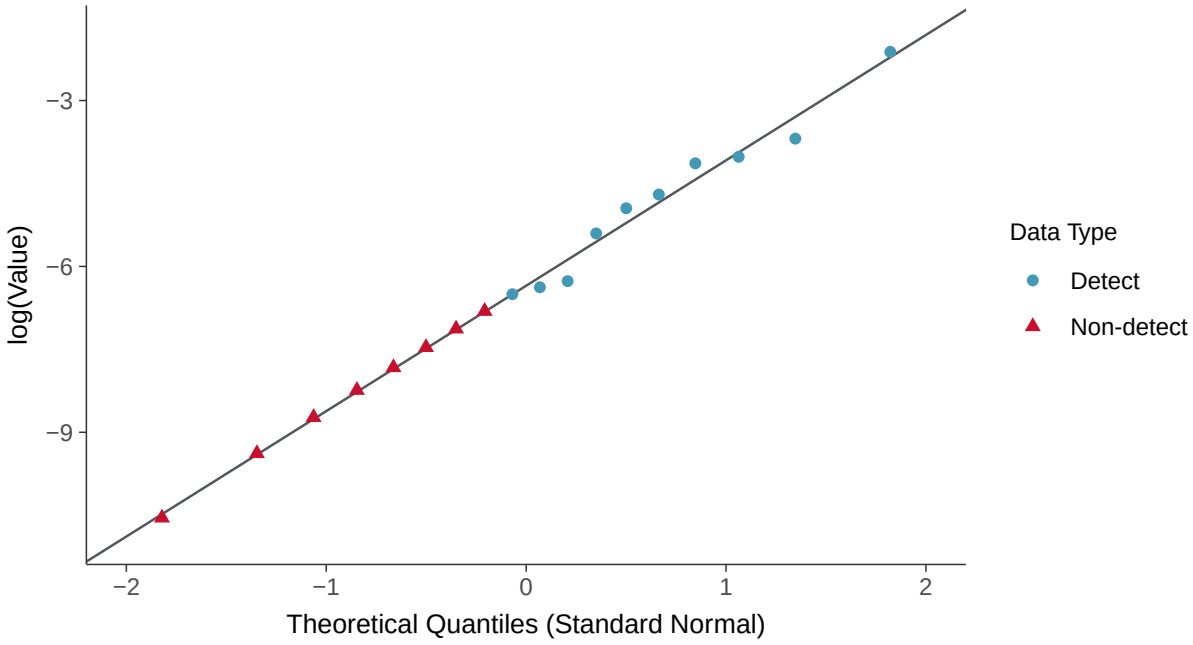
Boxplot by Season

Zinc, MW-09 (mg/L)



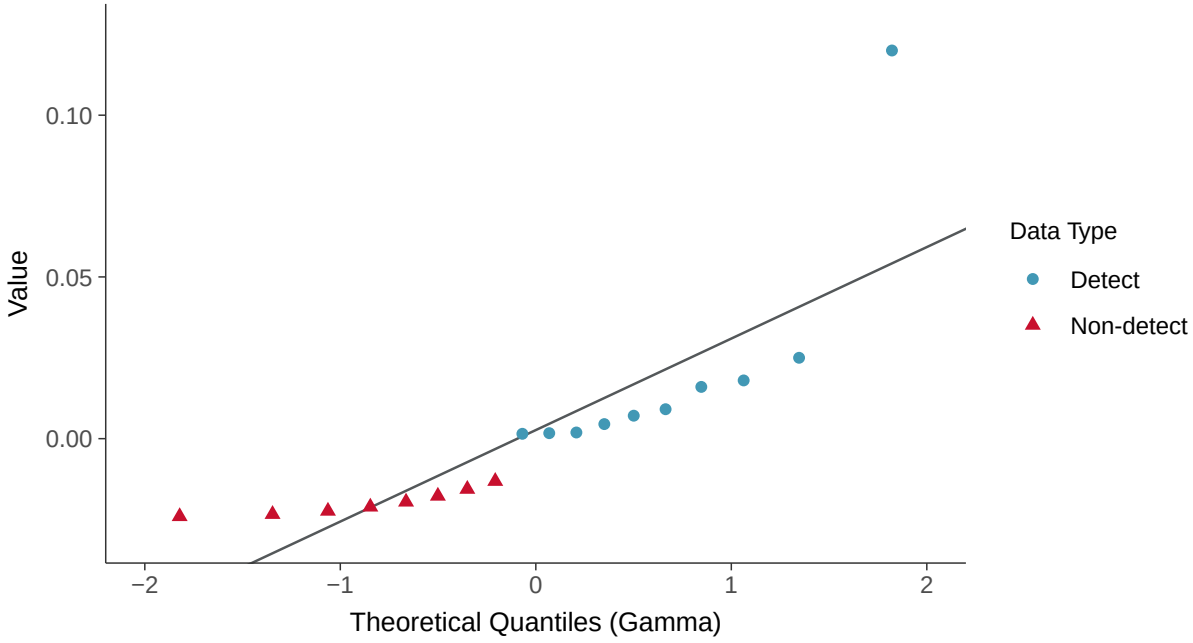
Lognormal Q-Q plot using ROS Imputed Estimates

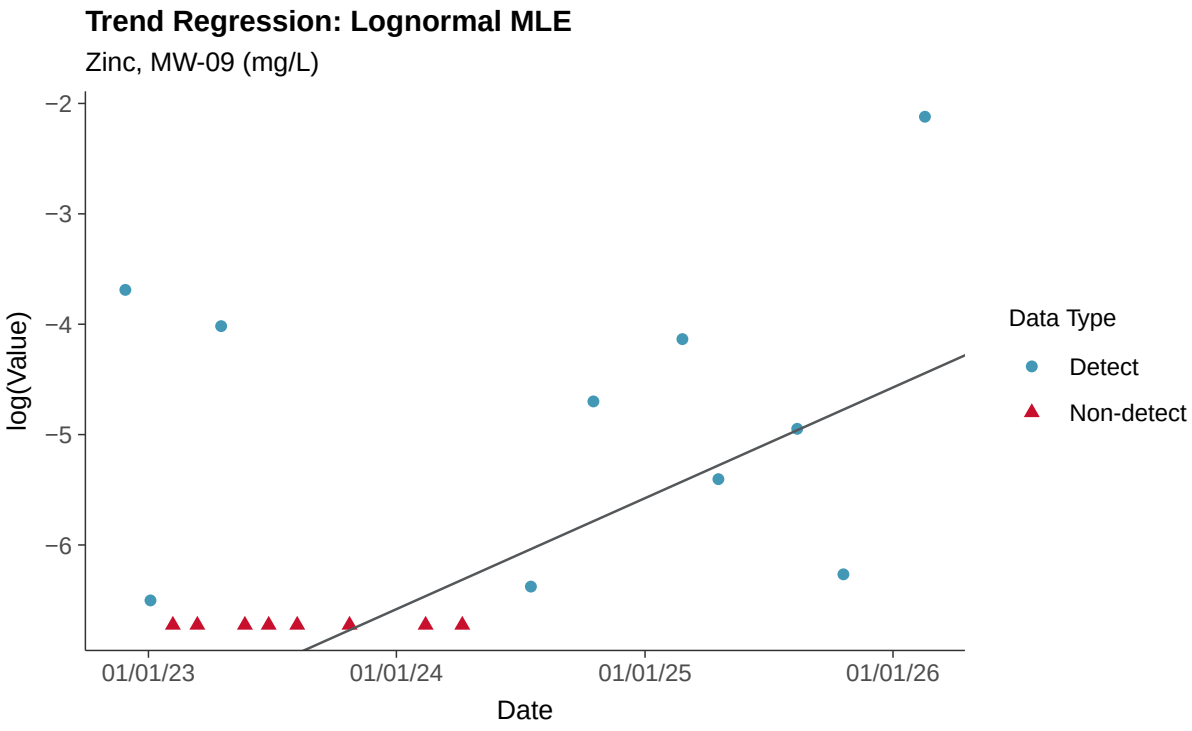
Zinc, MW-09 (mg/L)



Gamma Q-Q plot using ROS Imputed Estimates

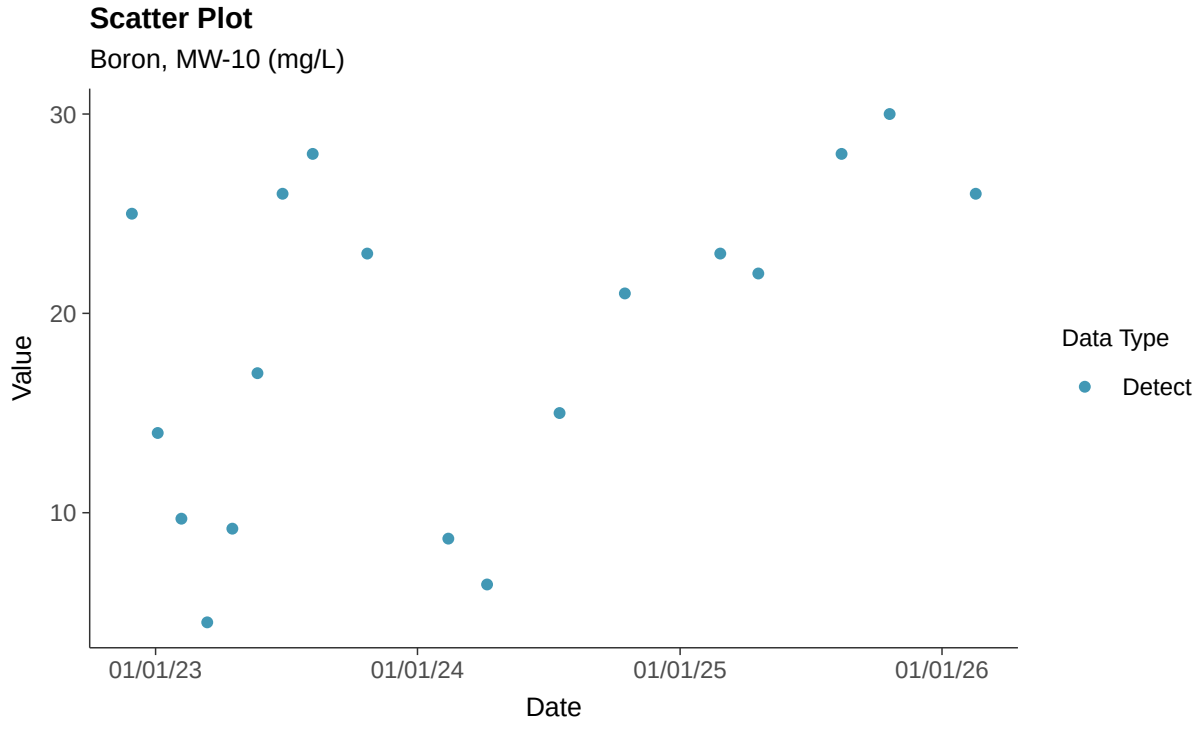
Zinc, MW-09 (mg/L)

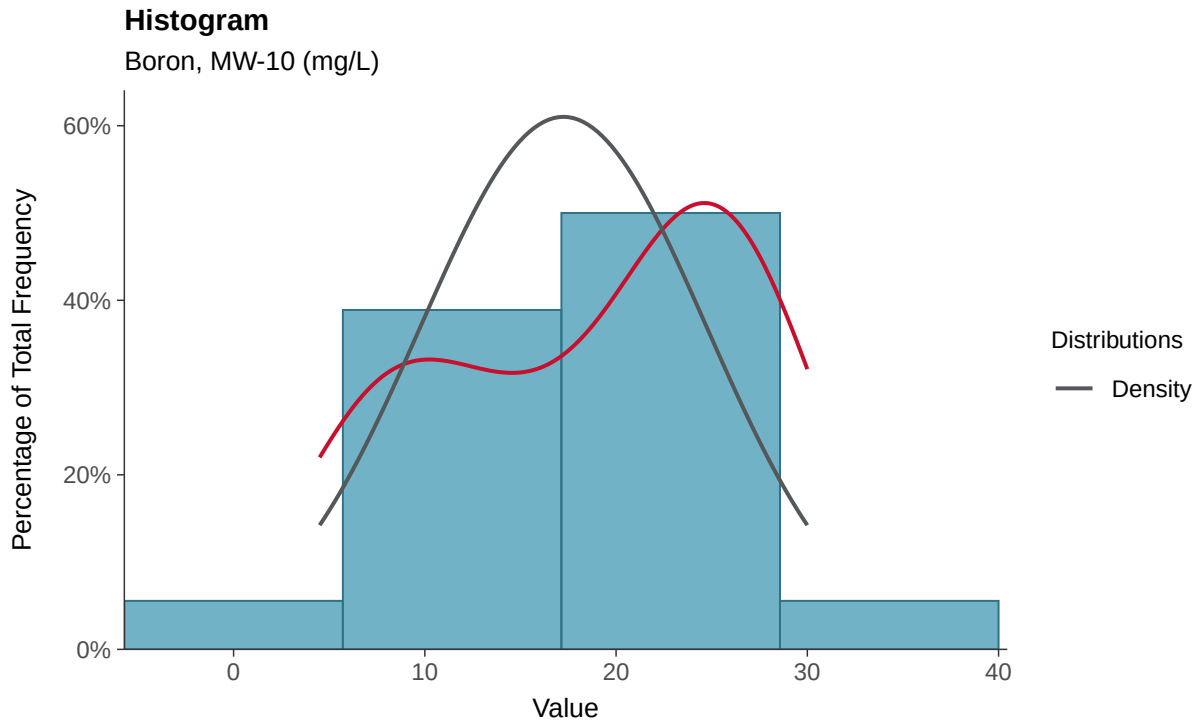



Trend Regression: Lognormal MLE
Zinc, MW-09 (mg/L)
log(Value)
−2
−3
−4
−5
−6
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: Boron, MW-10

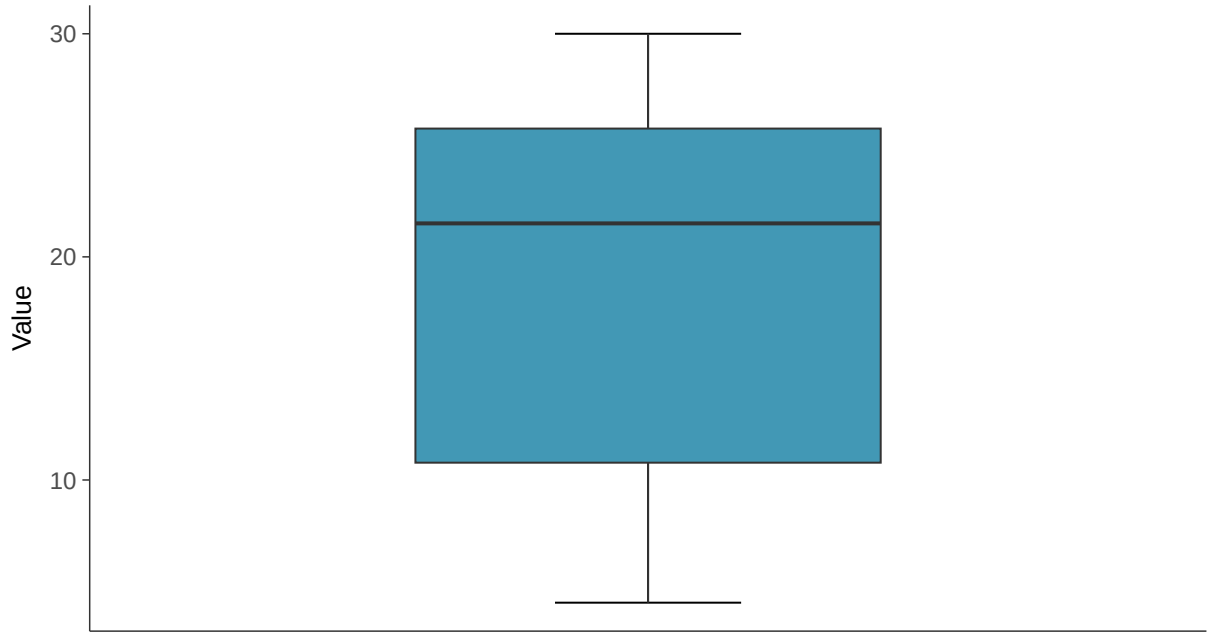
ID: 20_3_3_105





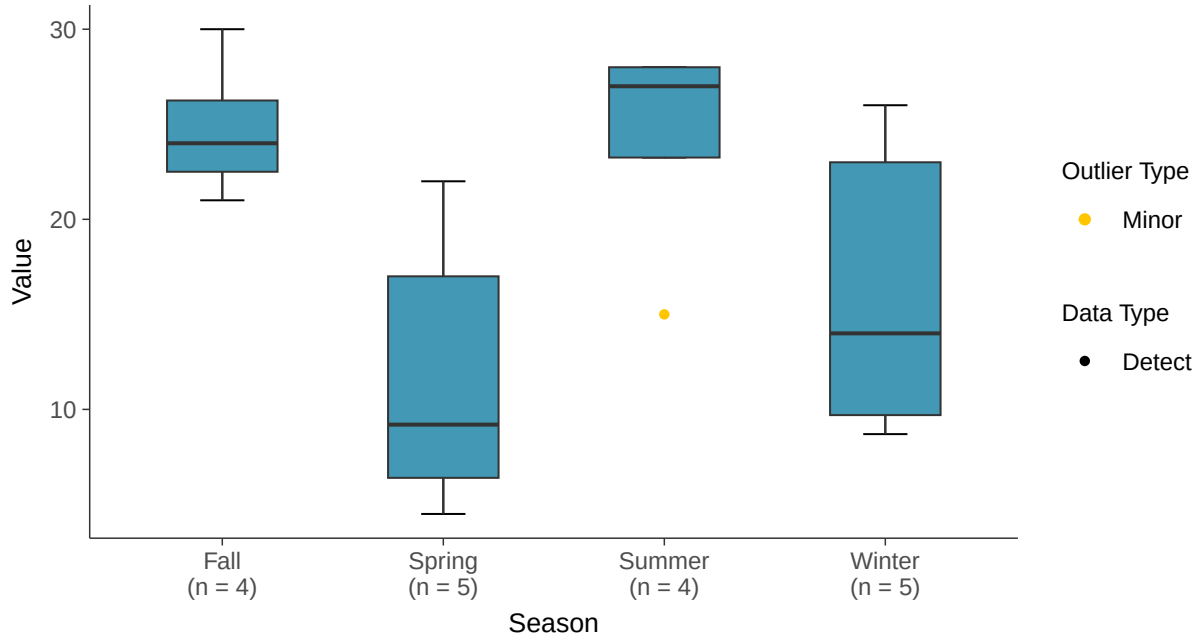
Boxplot

Boron, MW-10 (mg/L)



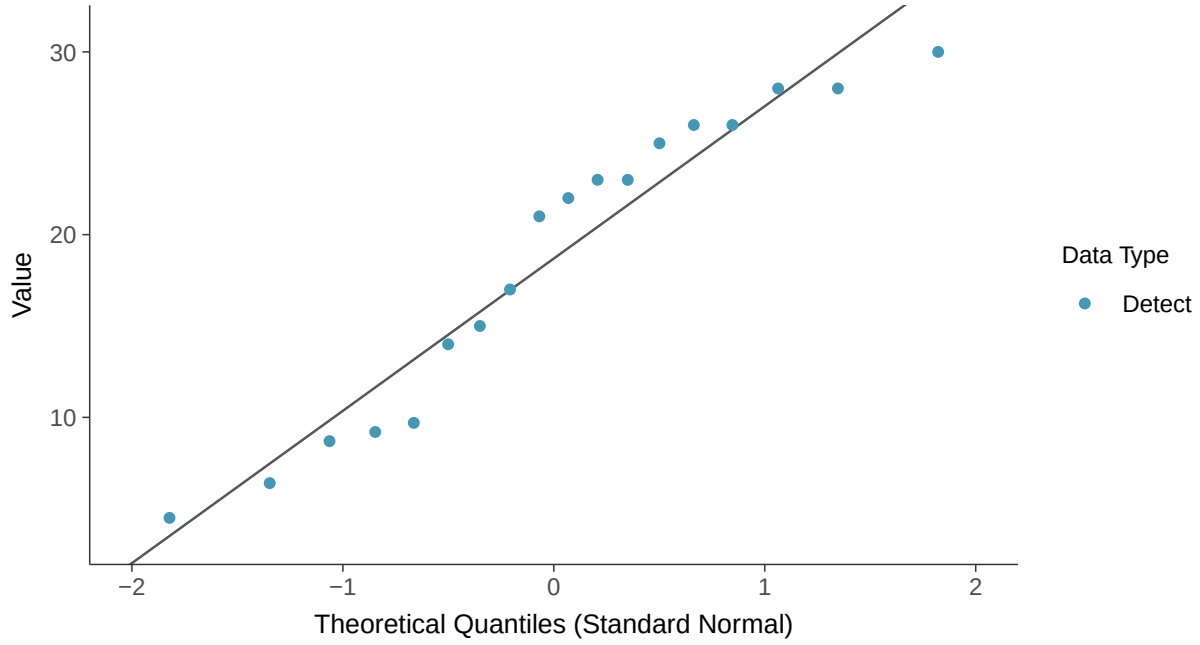
Boxplot by Season

Boron, MW-10 (mg/L)



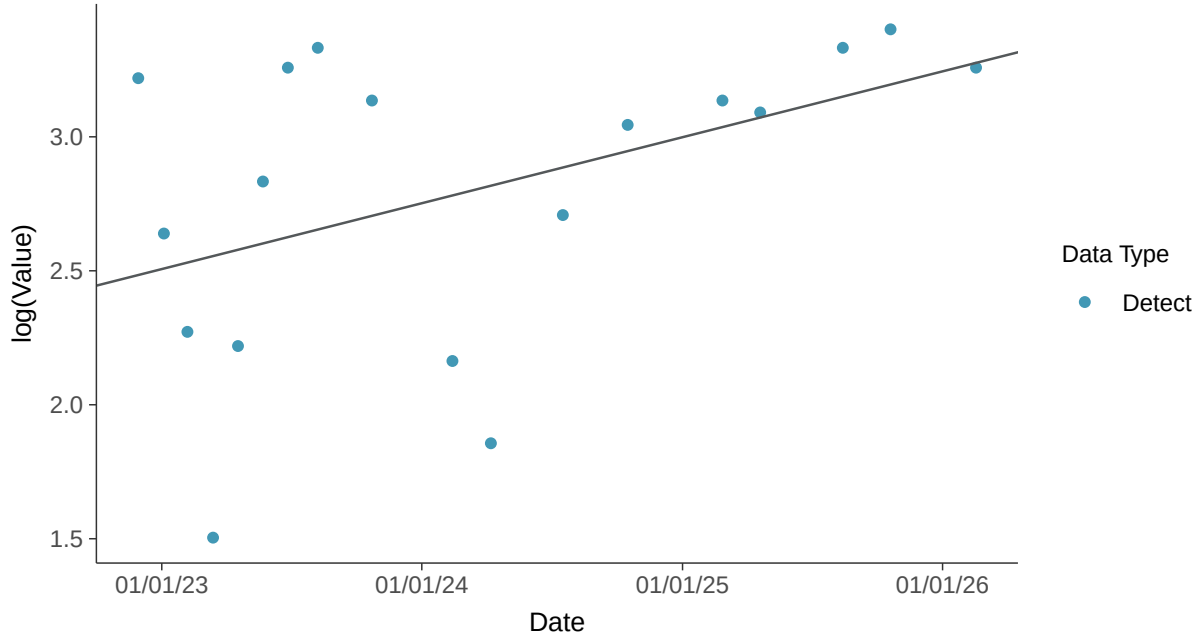
Normal Q-Q plot

Boron, MW-10 (mg/L)



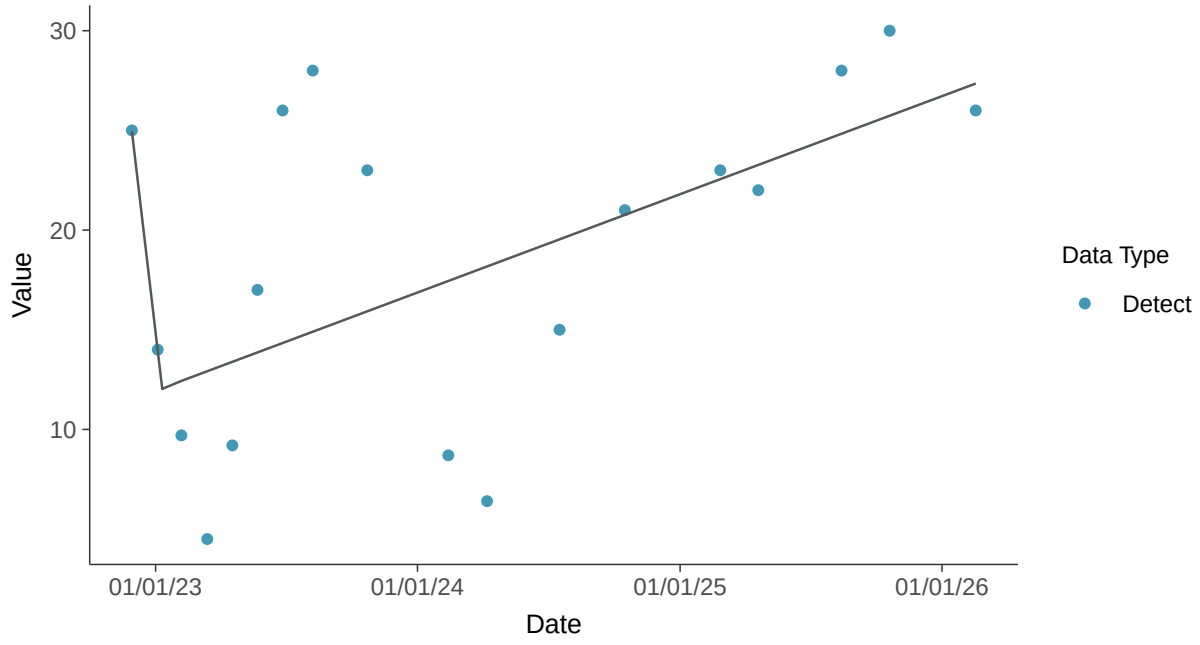
Trend Regression: Lognormal MLE

Boron, MW-10 (mg/L)



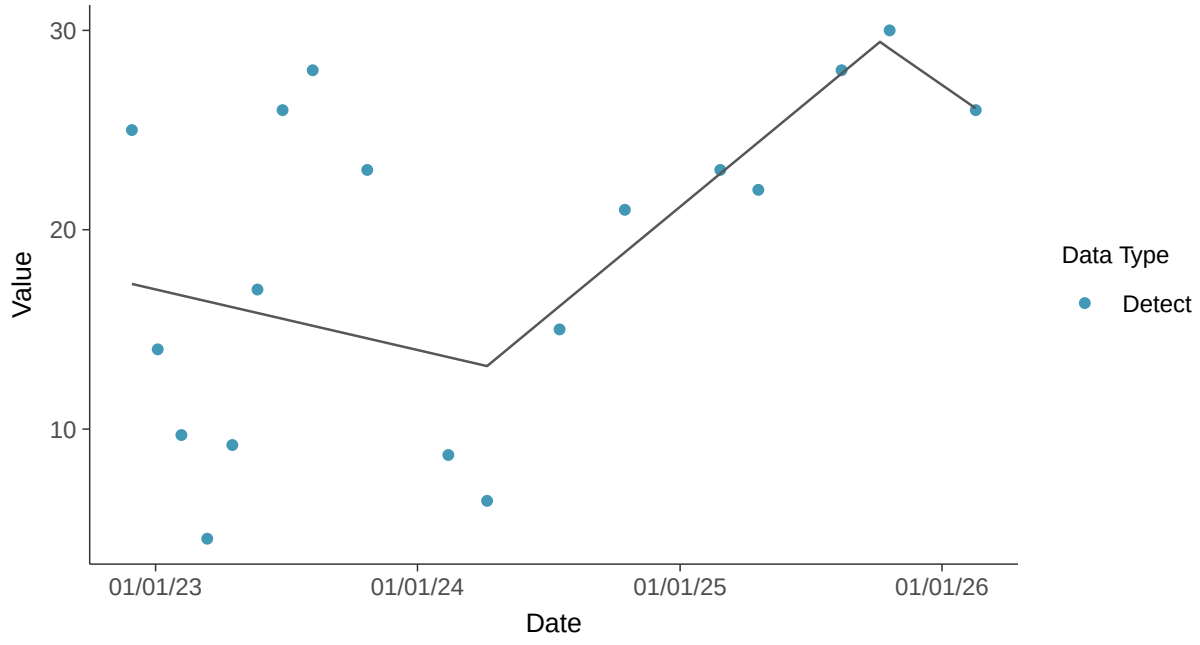
Trend Regression: Piecewise Linear-Linear

Boron, MW-10 (mg/L)



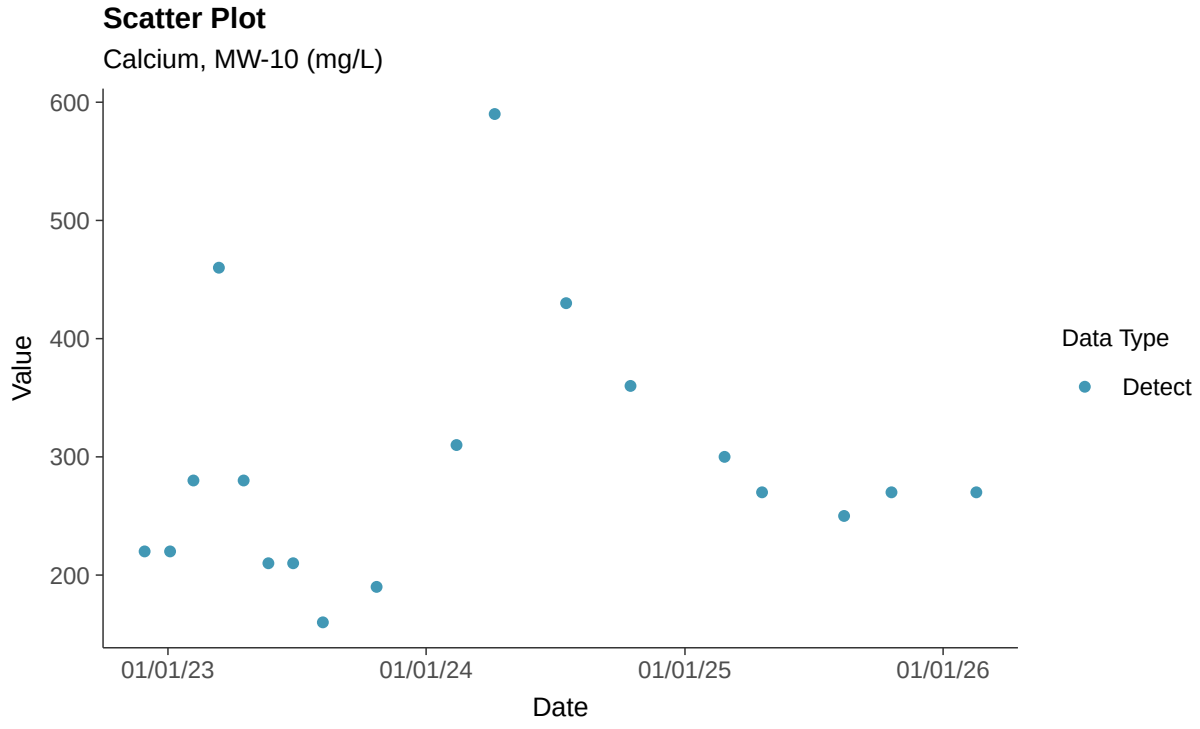
Trend Regression: Piecewise Linear-Linear-Linear

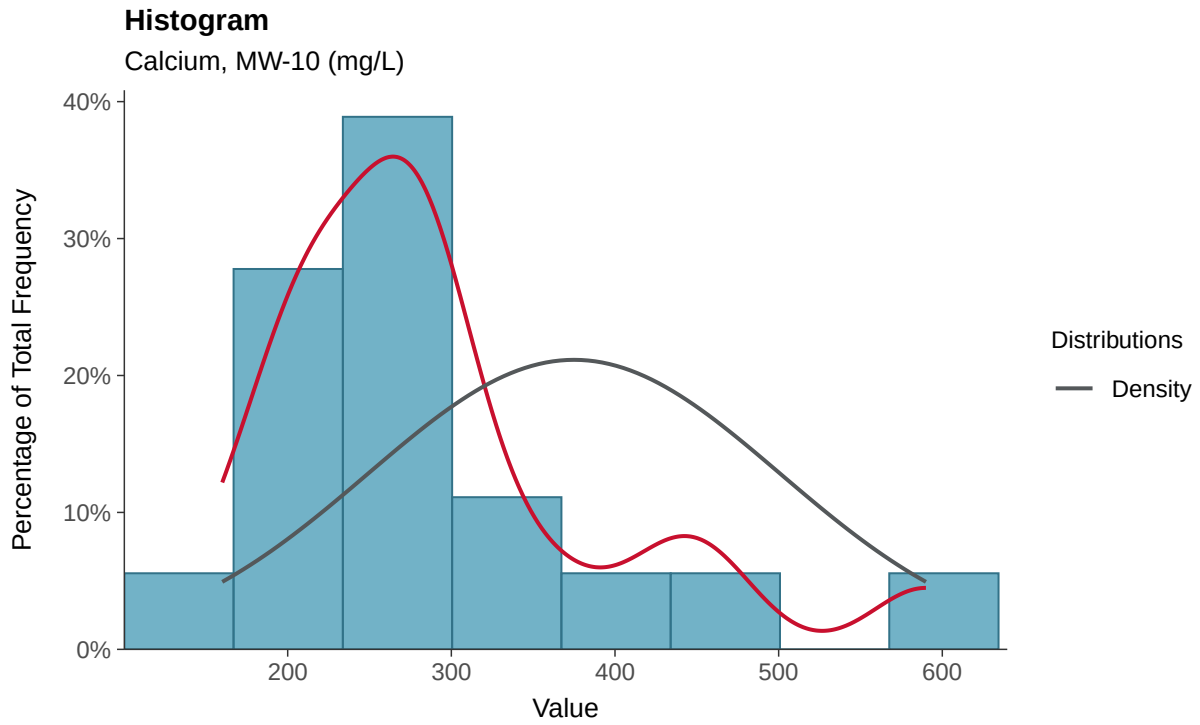
Boron, MW-10 (mg/L)



Appendix III: Calcium, MW-10

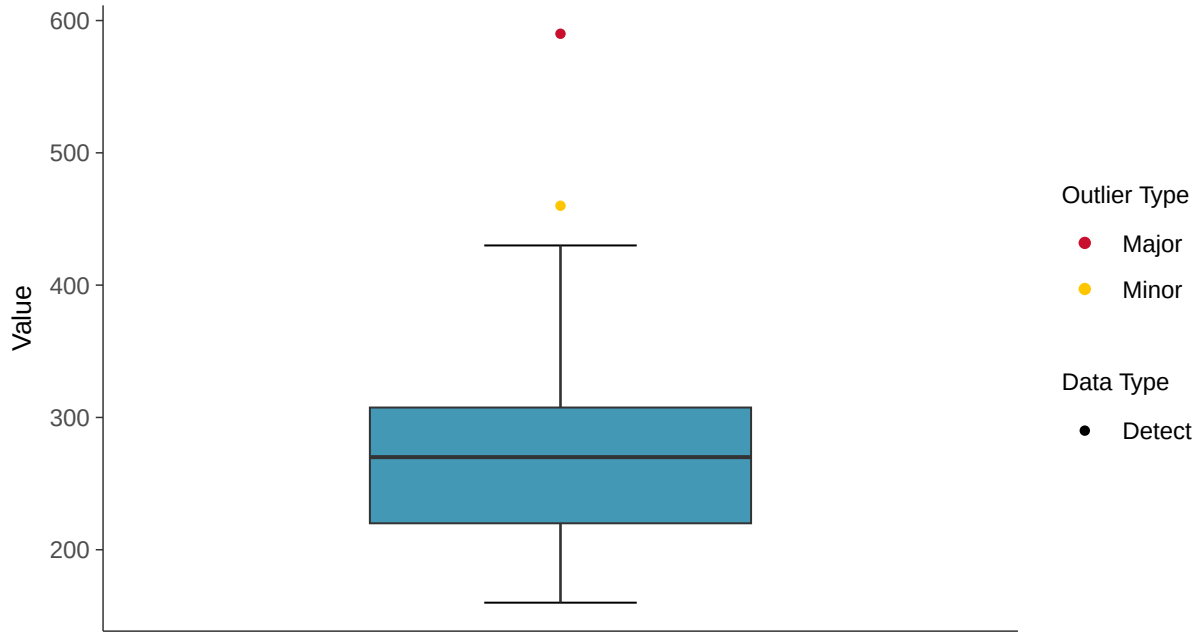
ID: 20_3_3_107





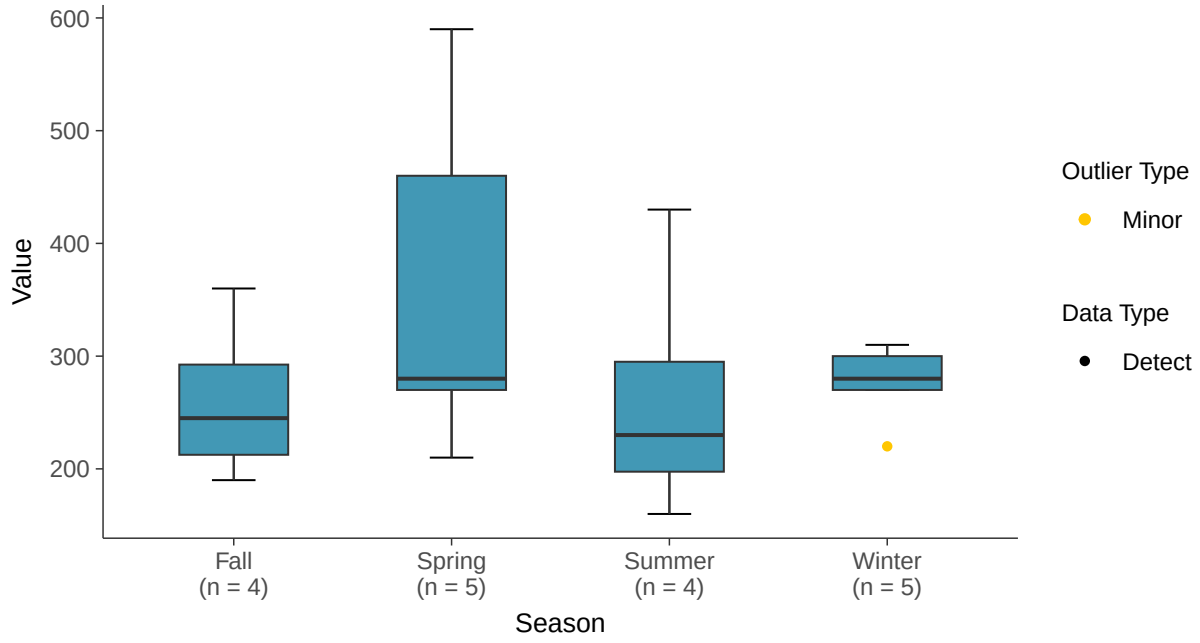
Boxplot

Calcium, MW-10 (mg/L)



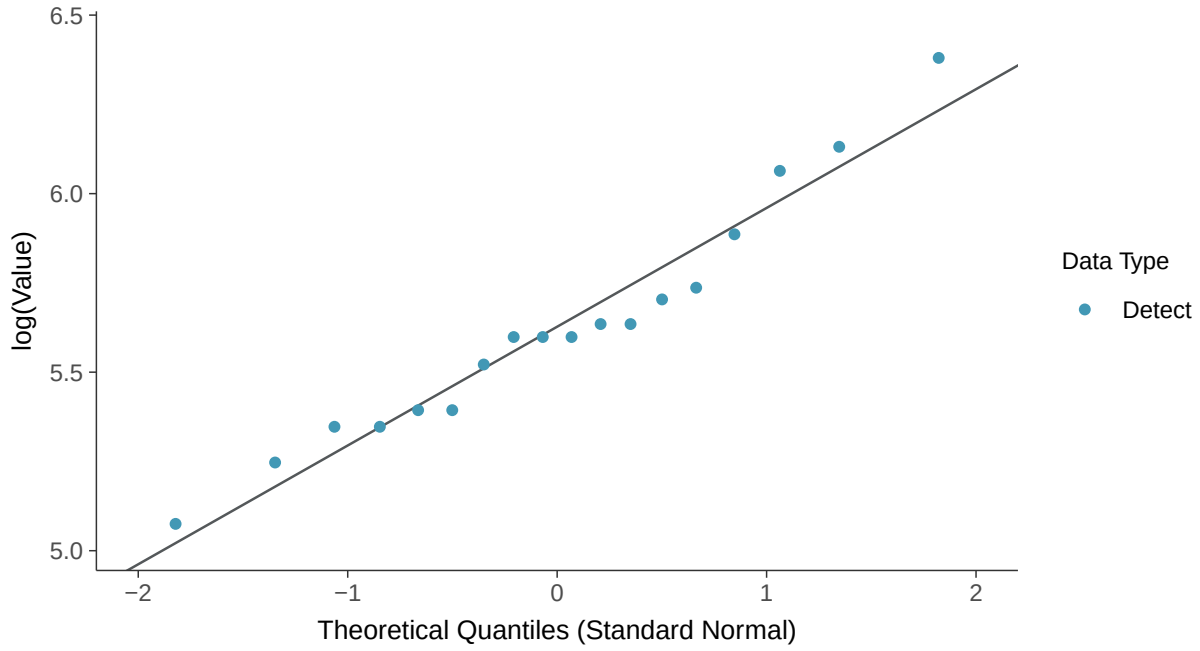
Boxplot by Season

Calcium, MW-10 (mg/L)



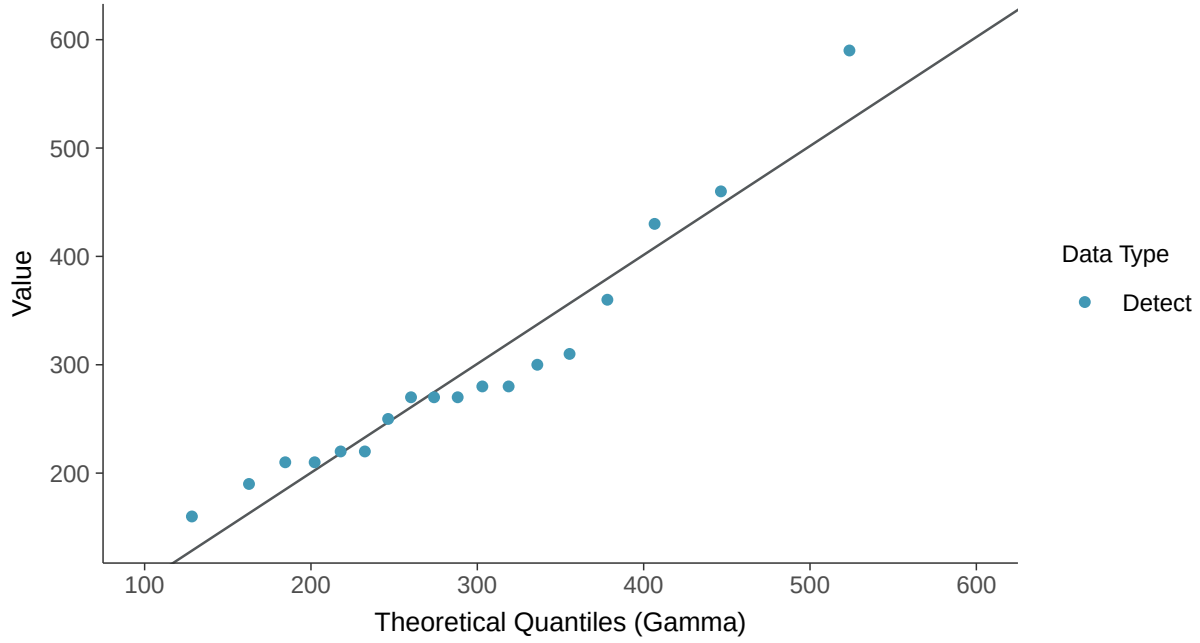
Lognormal Q-Q plot

Calcium, MW-10 (mg/L)



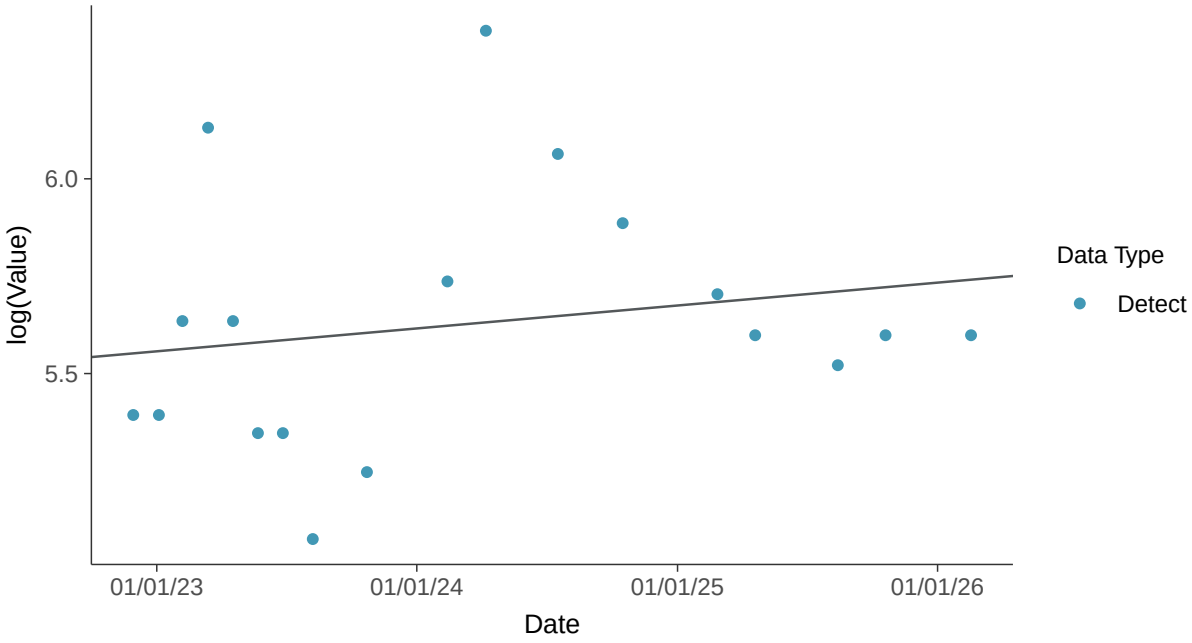
Gamma Q-Q plot

Calcium, MW-10 (mg/L)



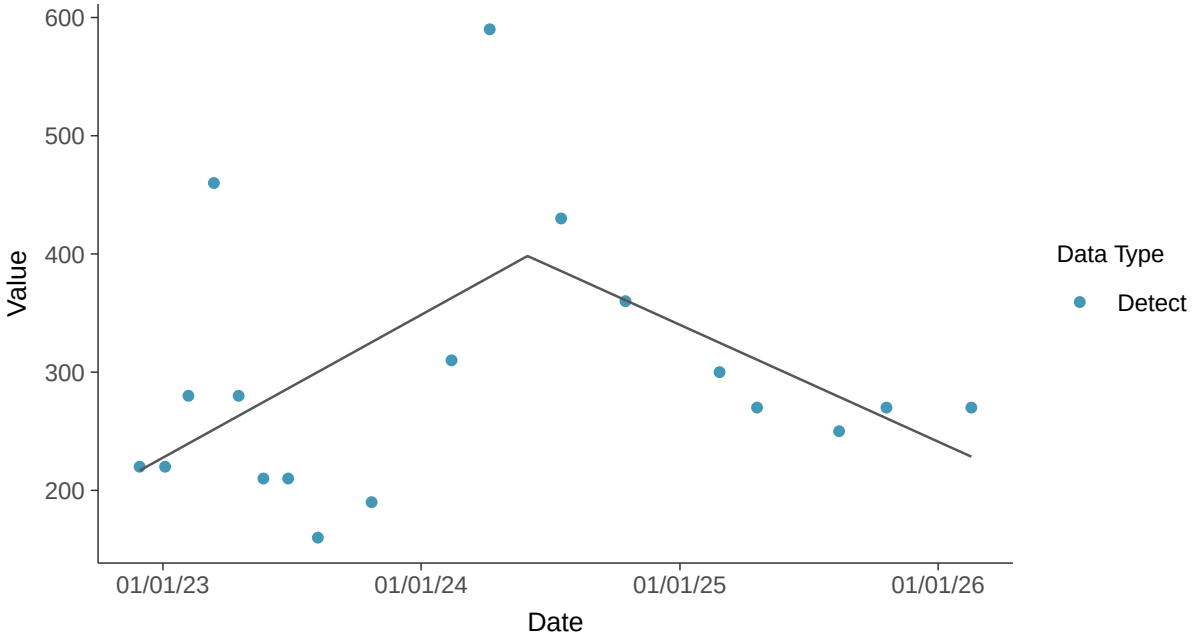
Trend Regression: Lognormal MLE

Calcium, MW-10 (mg/L)



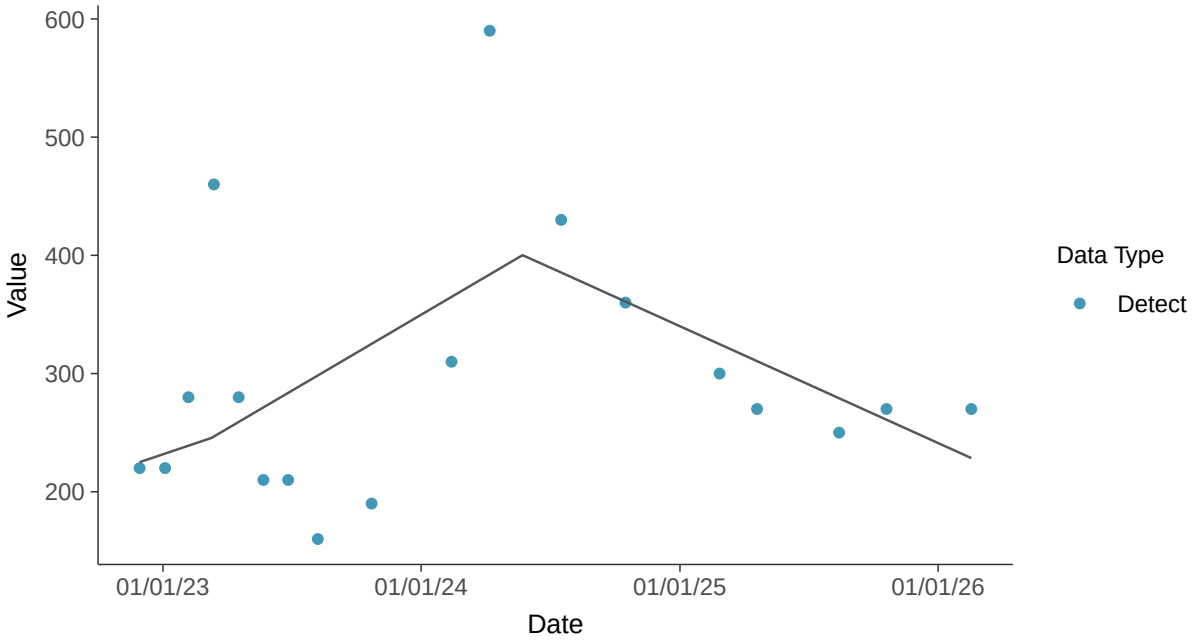
Trend Regression: Piecewise Linear-Linear

Calcium, MW-10 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Calcium, MW-10 (mg/L)

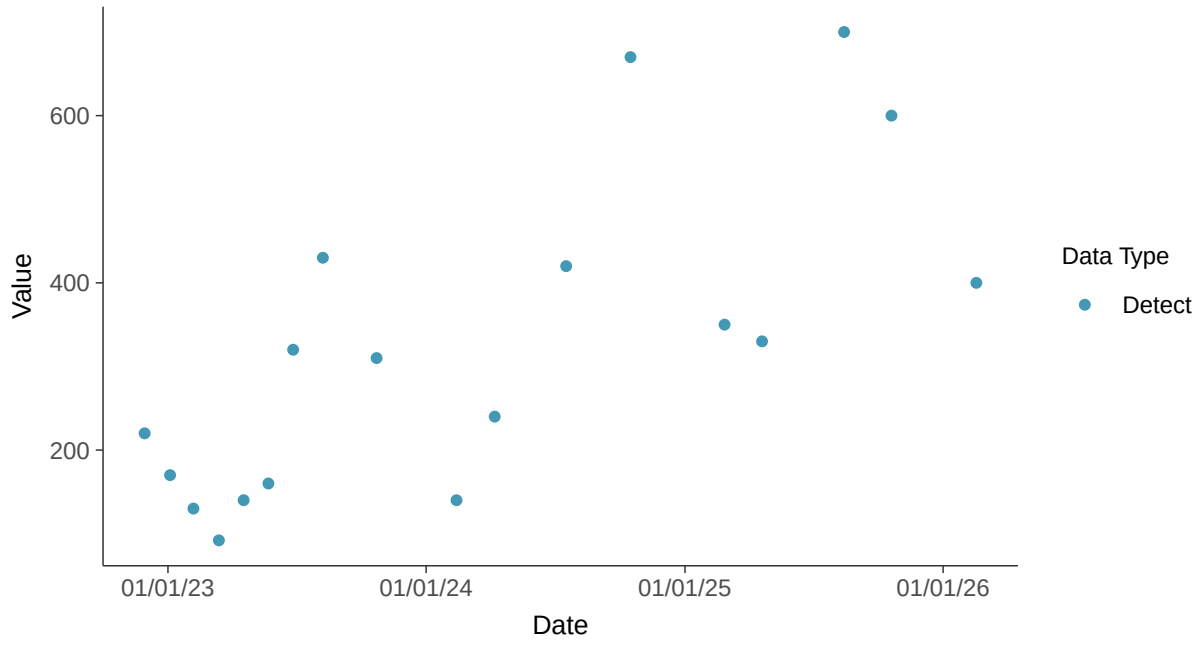


Appendix III: Chloride (as Cl), MW-10

ID: 20_3_3_108

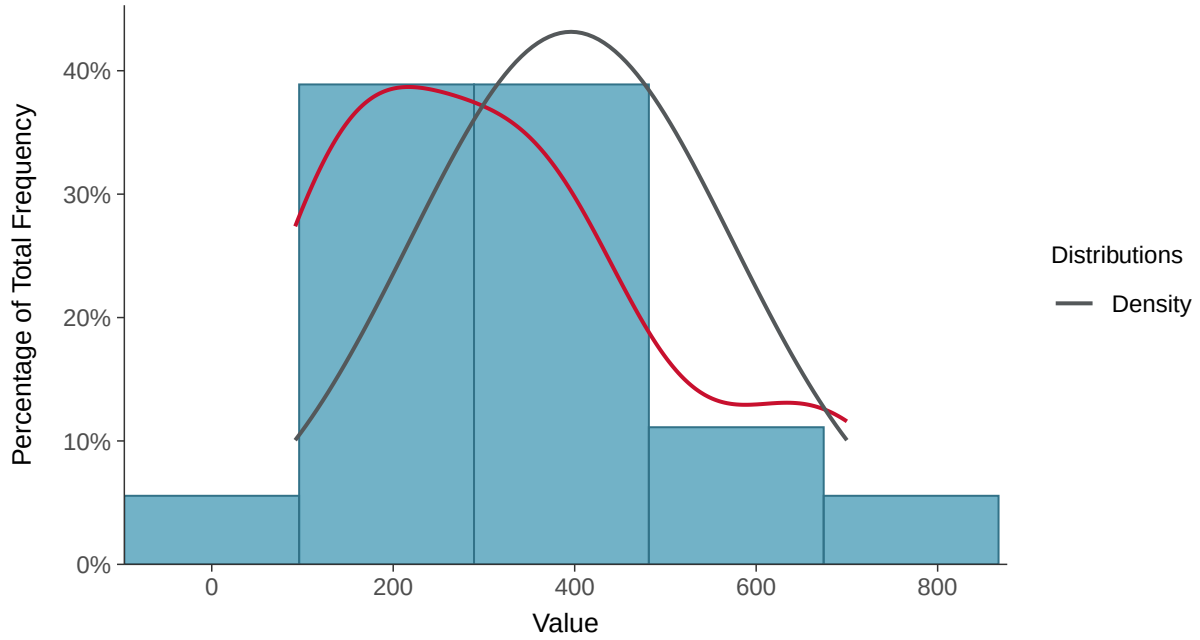
Scatter Plot

Chloride (as Cl), MW-10 (mg/L)



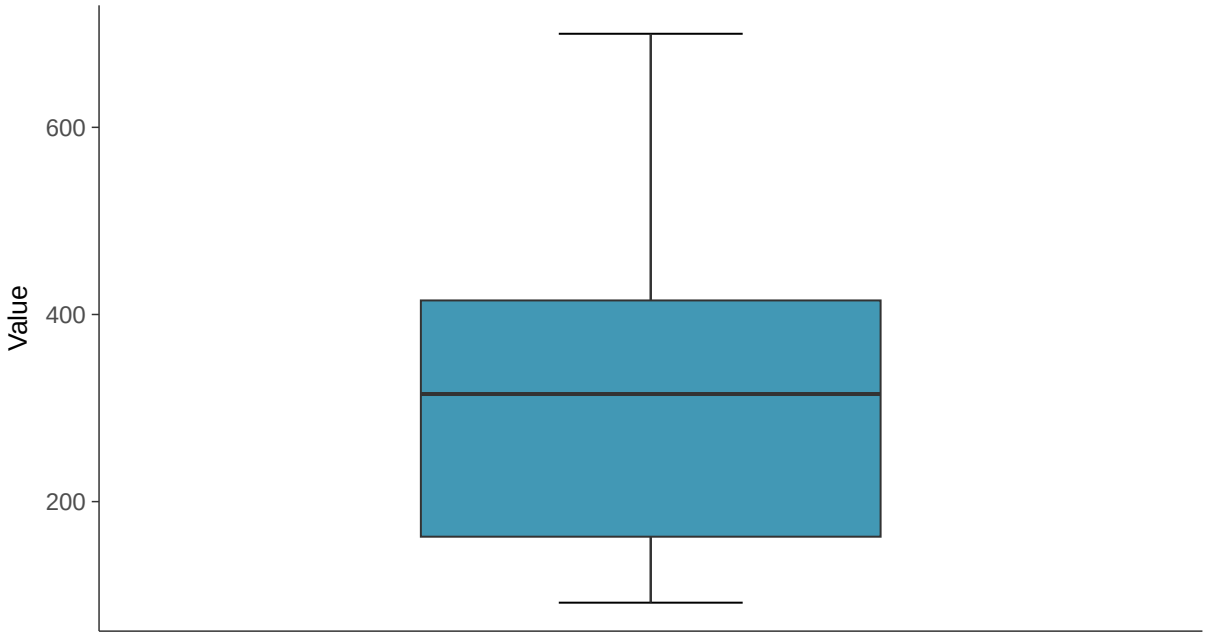
Histogram

Chloride (as Cl), MW-10 (mg/L)



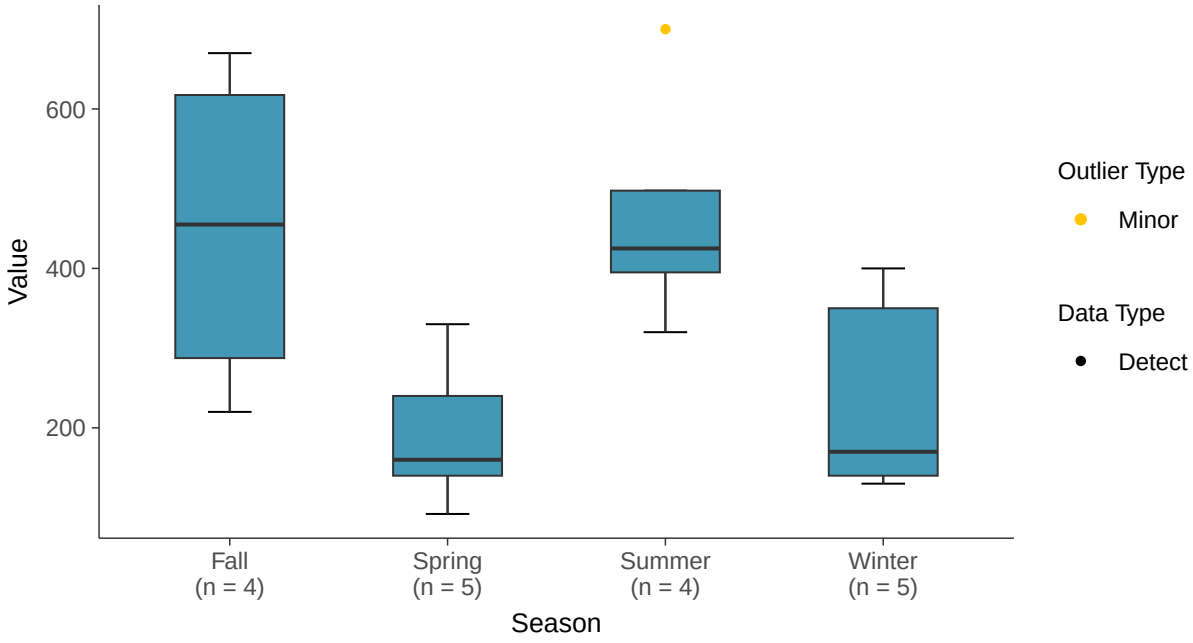
Boxplot

Chloride (as Cl), MW-10 (mg/L)



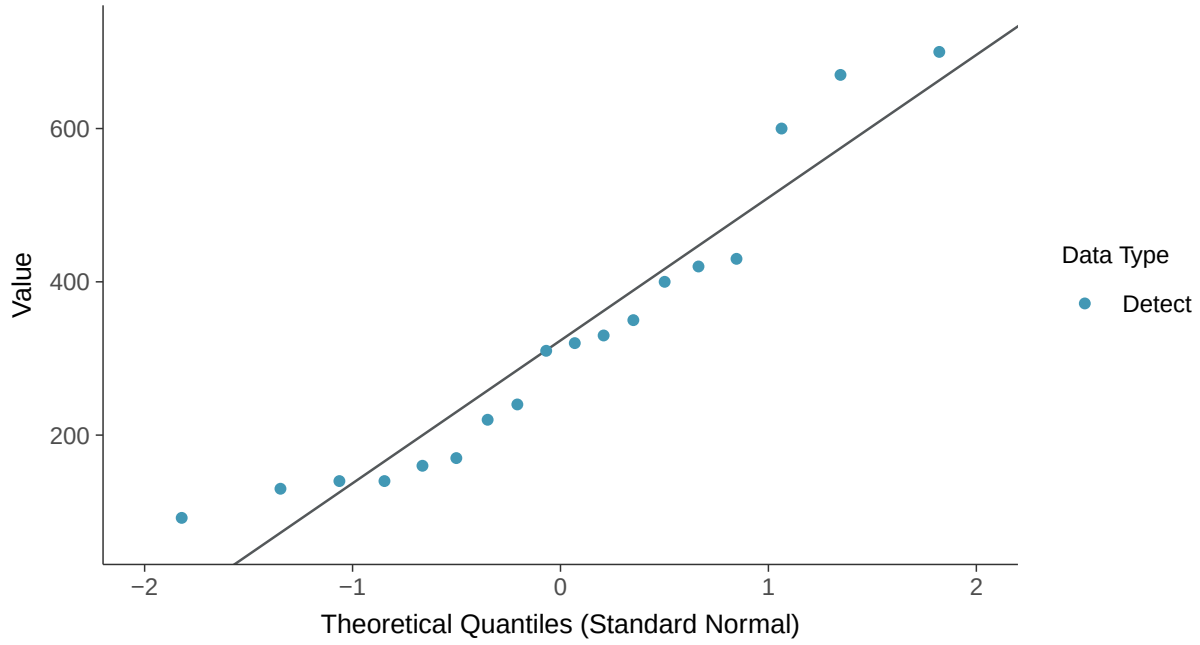
Boxplot by Season

Chloride (as Cl), MW-10 (mg/L)



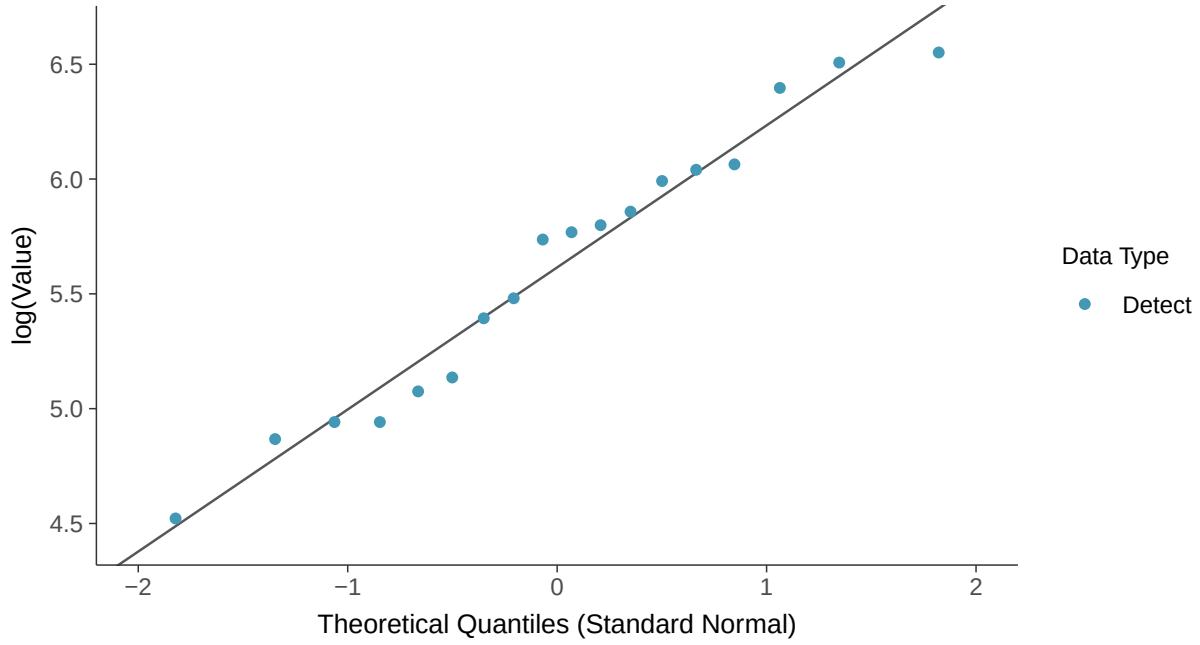
Normal Q-Q plot

Chloride (as Cl), MW-10 (mg/L)



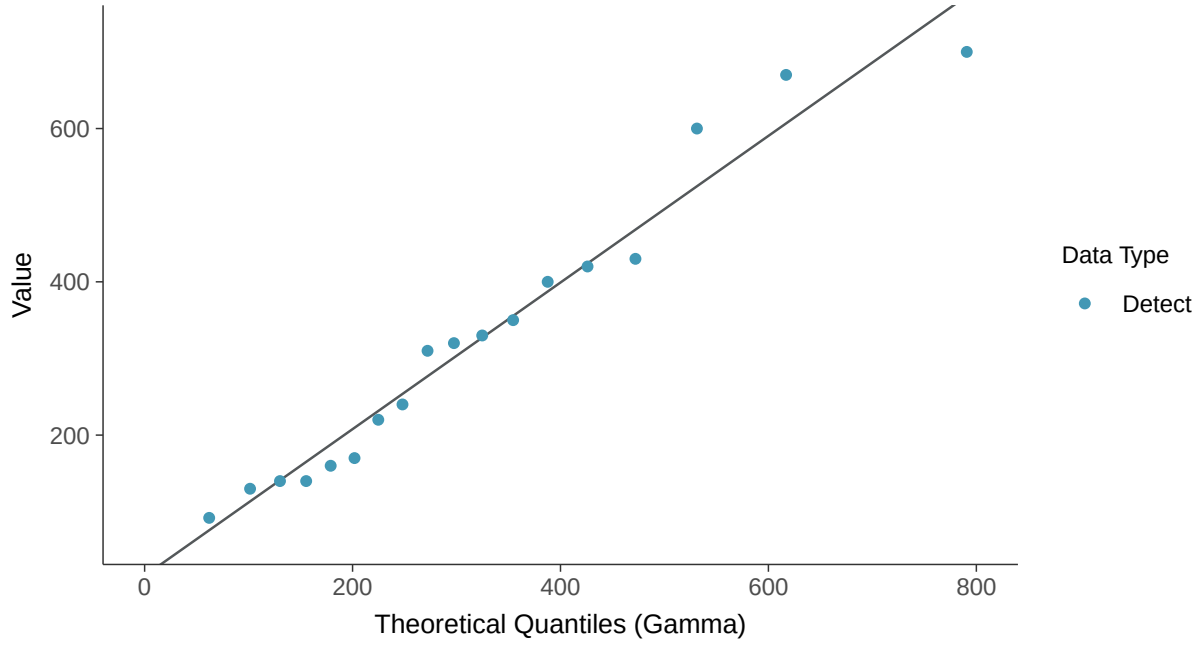
Lognormal Q-Q plot

Chloride (as Cl), MW-10 (mg/L)



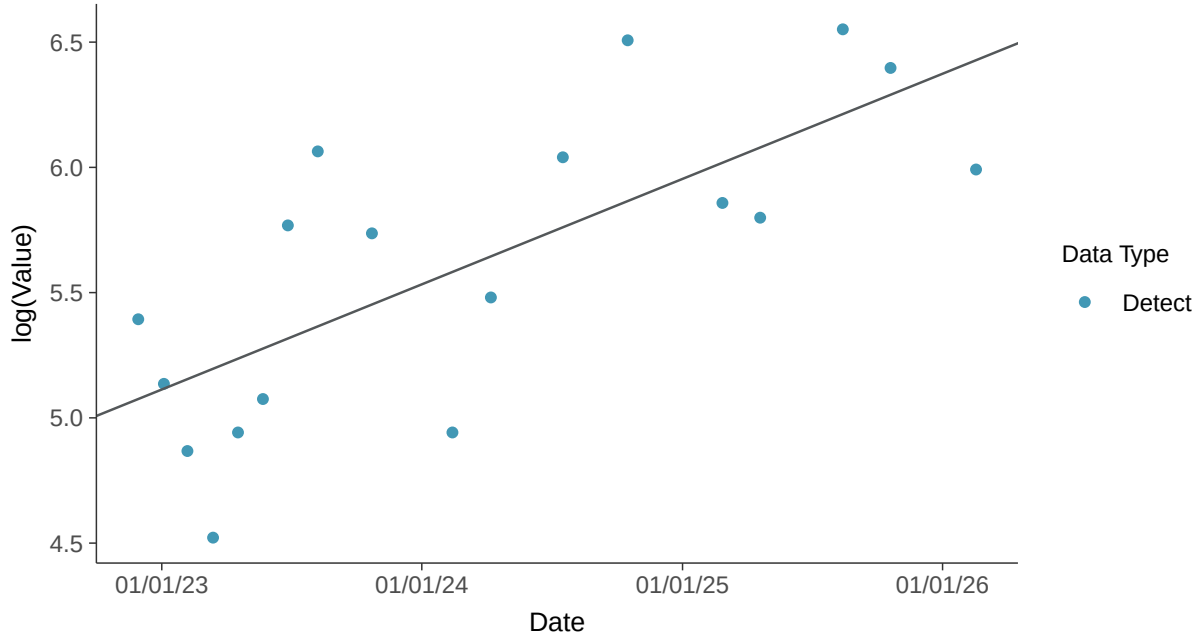
Gamma Q-Q plot

Chloride (as Cl), MW-10 (mg/L)



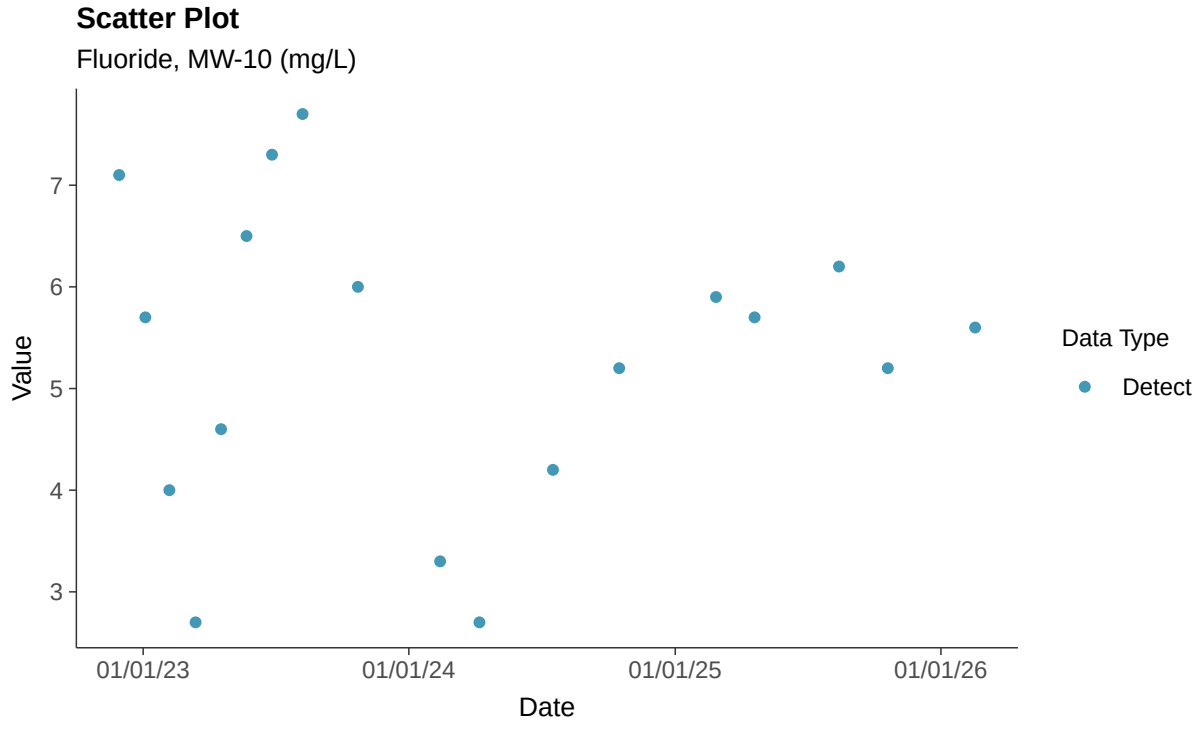
Trend Regression: Lognormal MLE

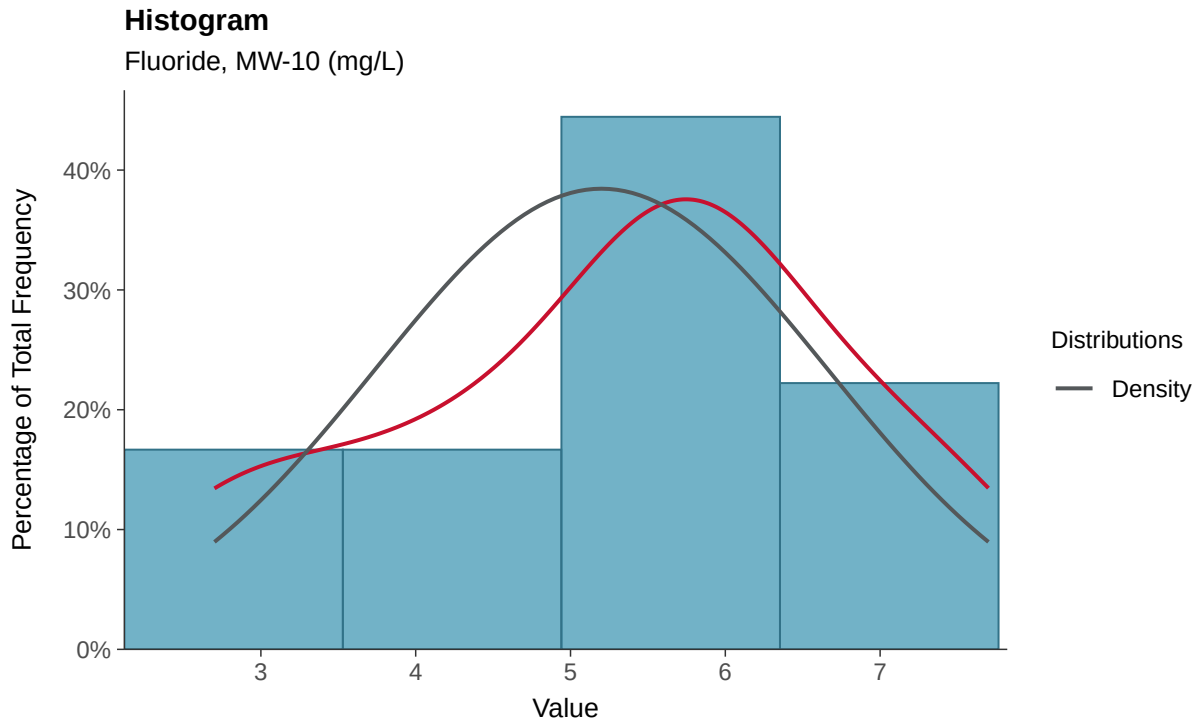
Chloride (as Cl), MW-10 (mg/L)



Appendix III: Fluoride, MW-10

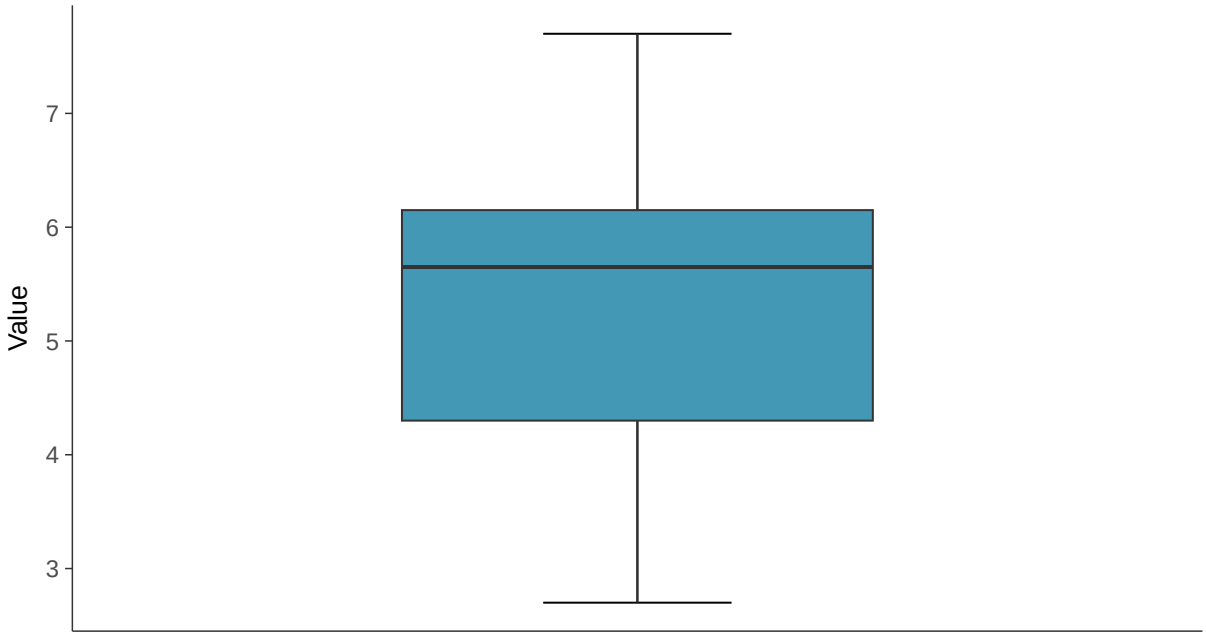
ID: 20_3_3_112





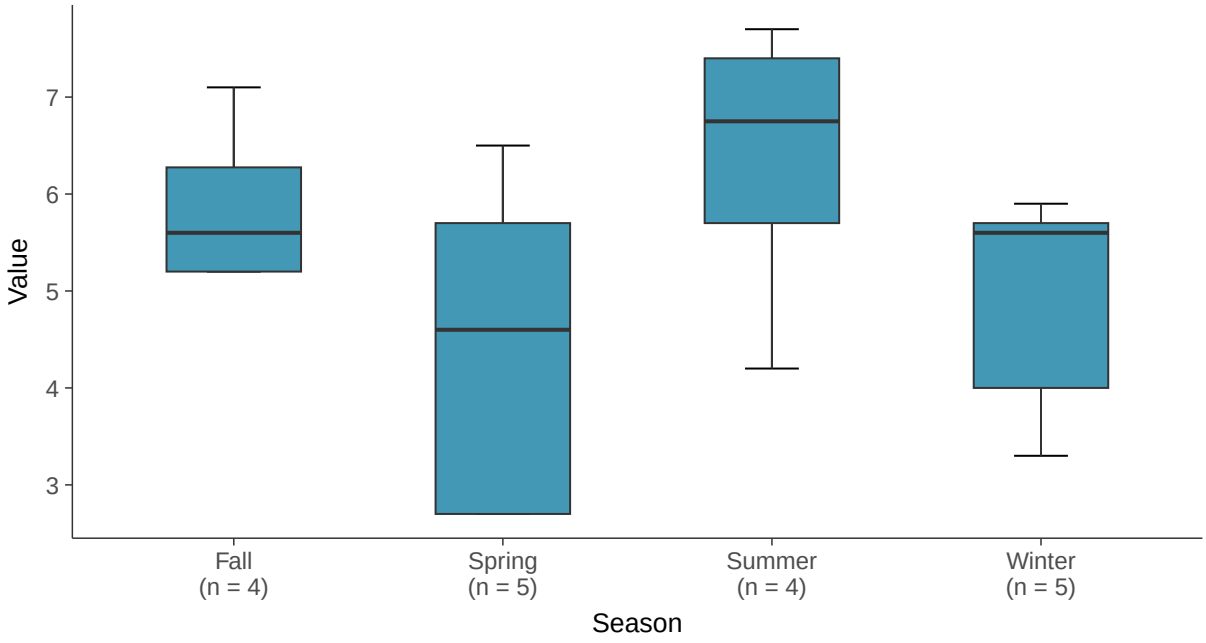
Boxplot

Fluoride, MW-10 (mg/L)



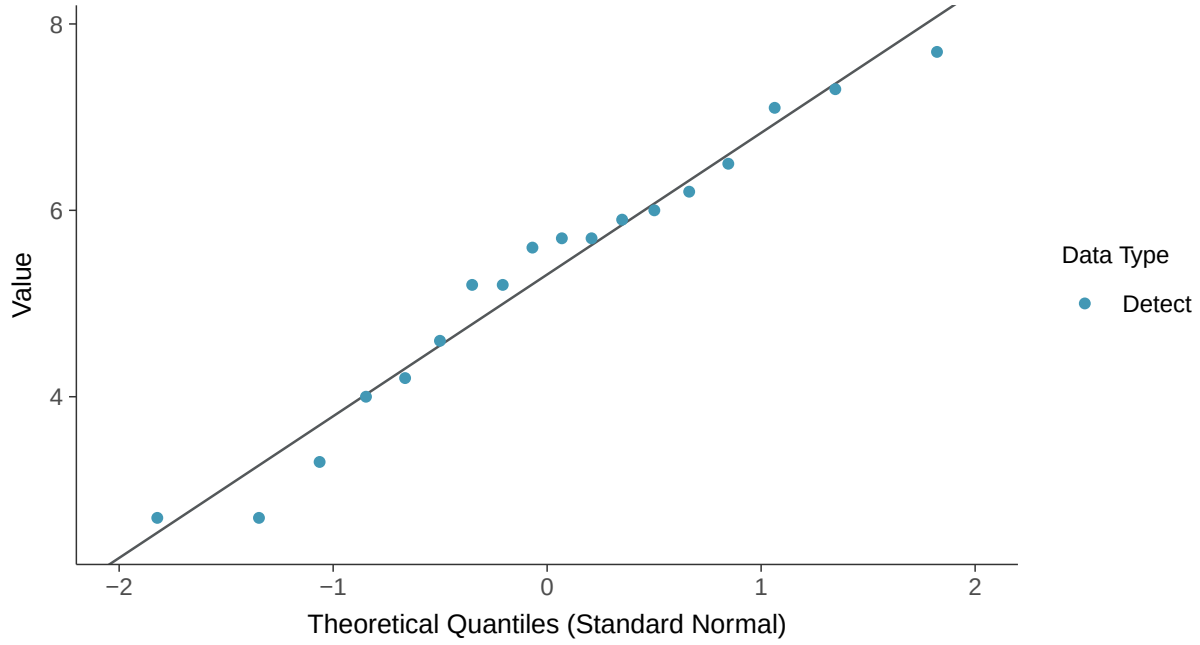
Boxplot by Season

Fluoride, MW-10 (mg/L)



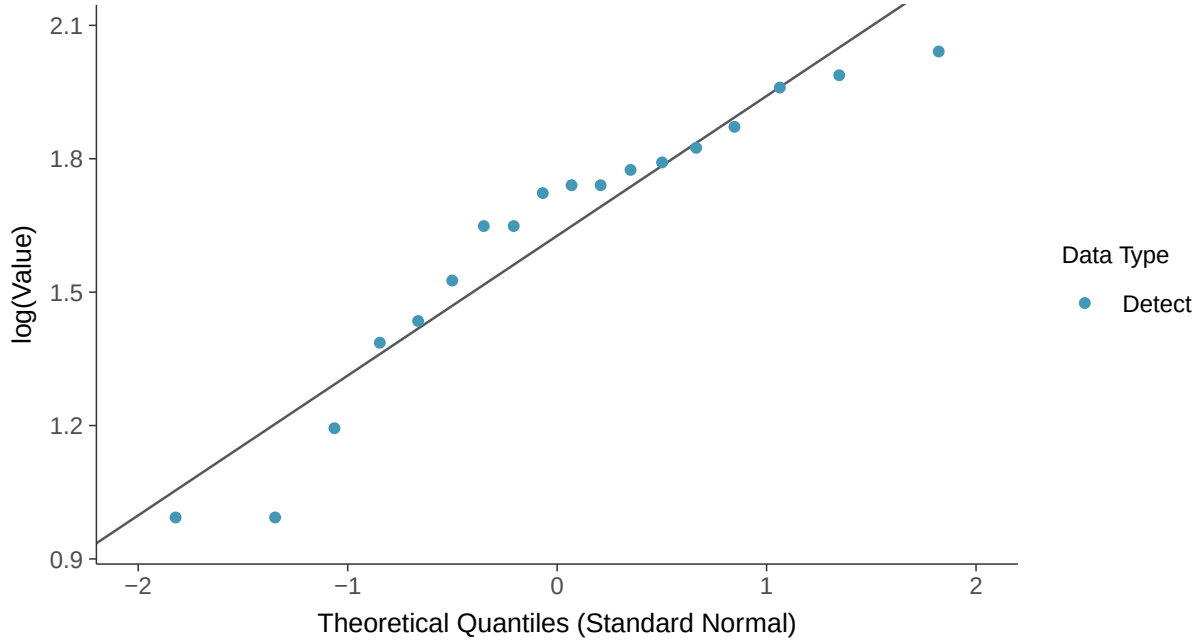
Normal Q-Q plot

Fluoride, MW-10 (mg/L)



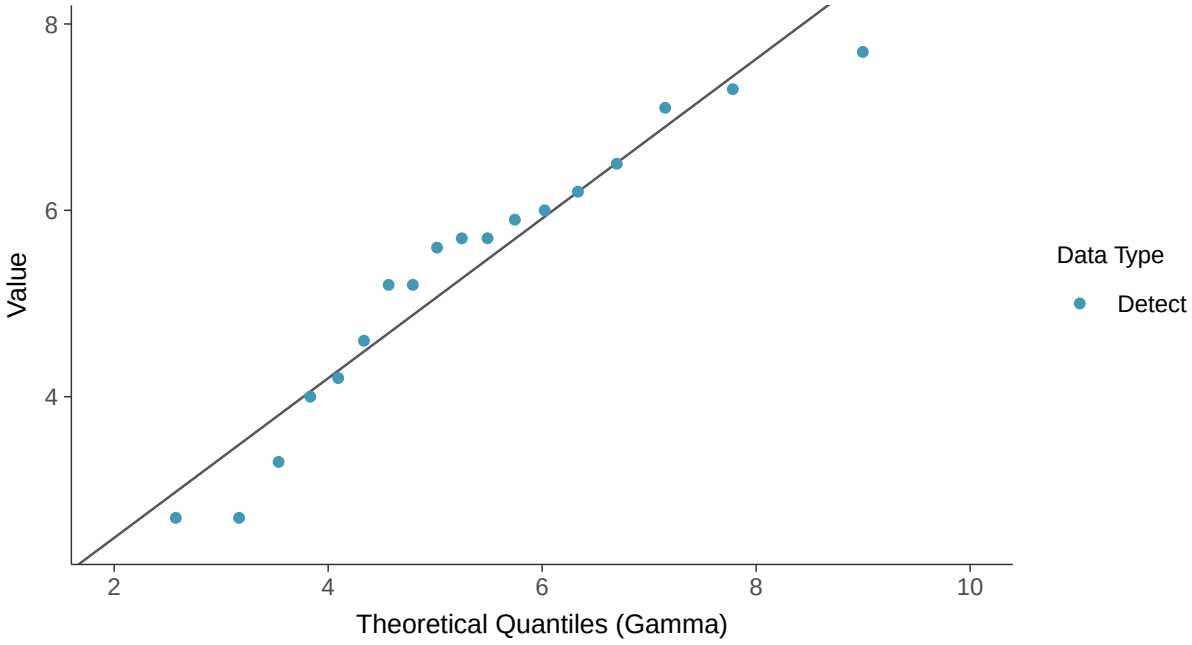
Lognormal Q-Q plot

Fluoride, MW-10 (mg/L)



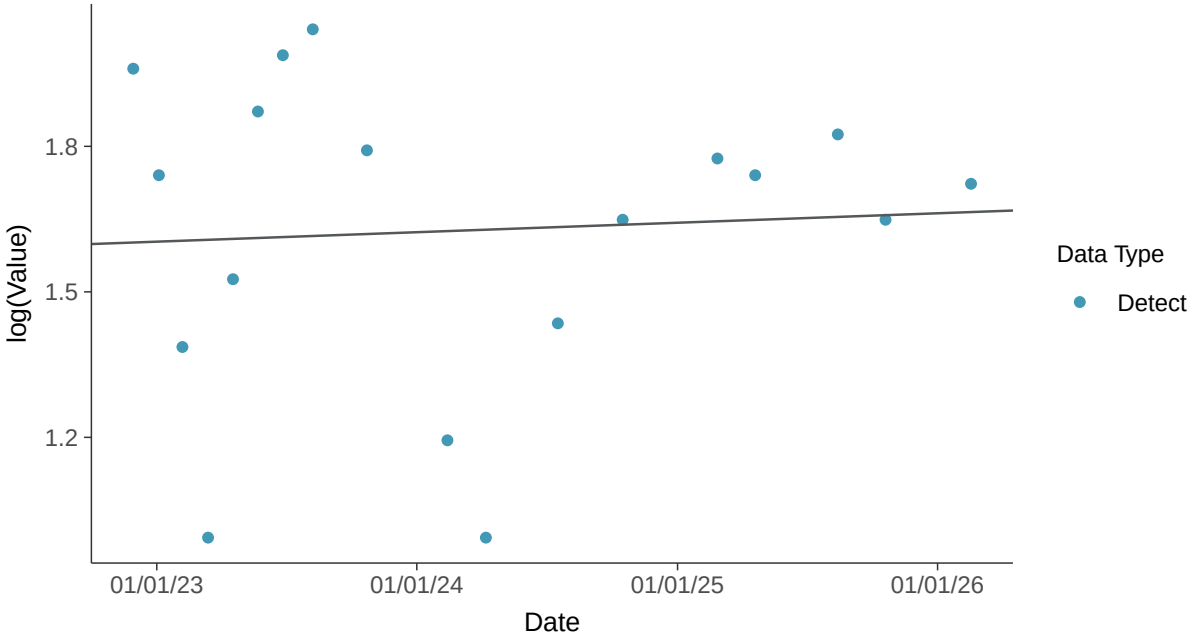
Gamma Q-Q plot

Fluoride, MW-10 (mg/L)



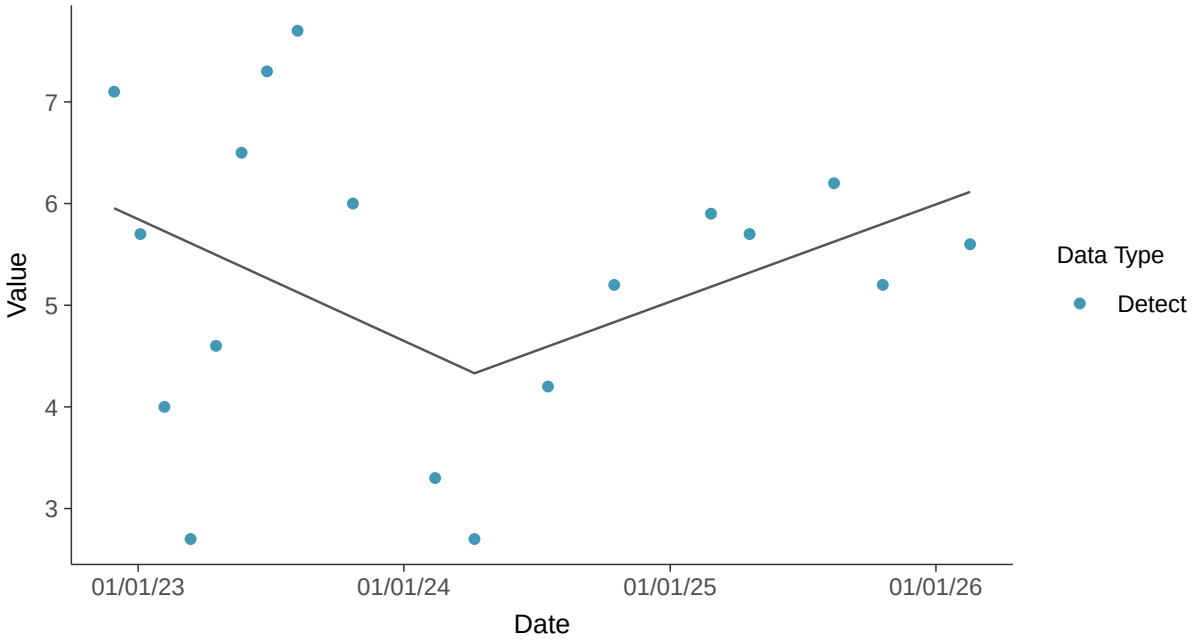
Trend Regression: Lognormal MLE

Fluoride, MW-10 (mg/L)



Trend Regression: Piecewise Linear-Linear

Fluoride, MW-10 (mg/L)

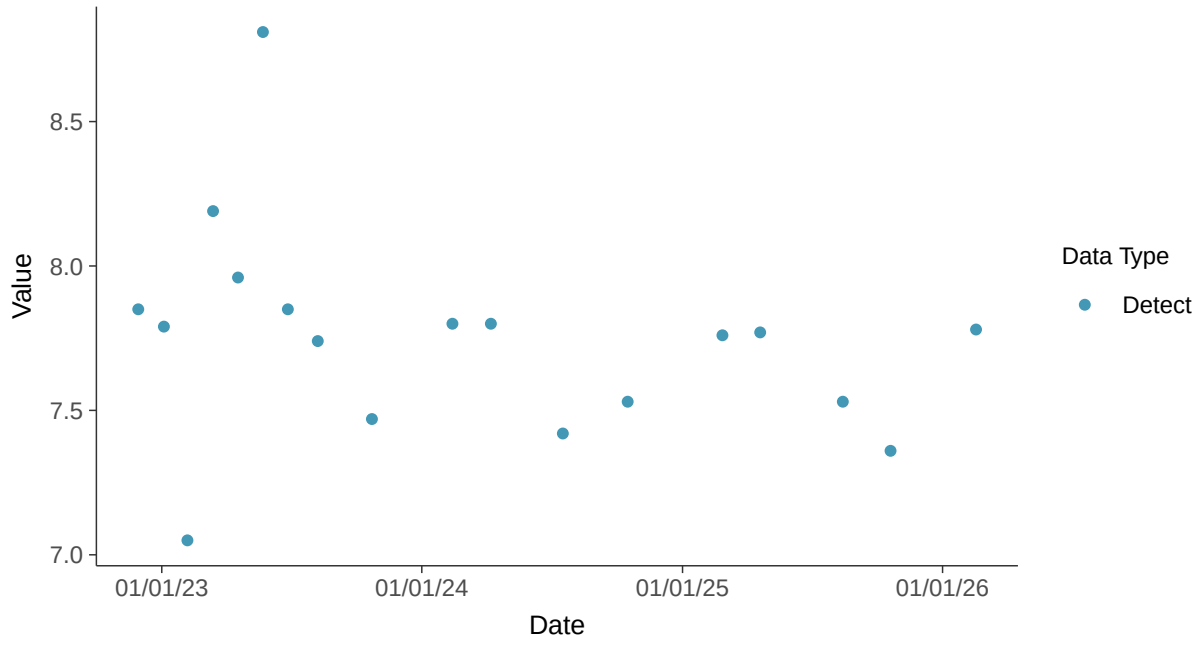


Appendix III: pH (field), MW-10

ID: 20_3_3_120

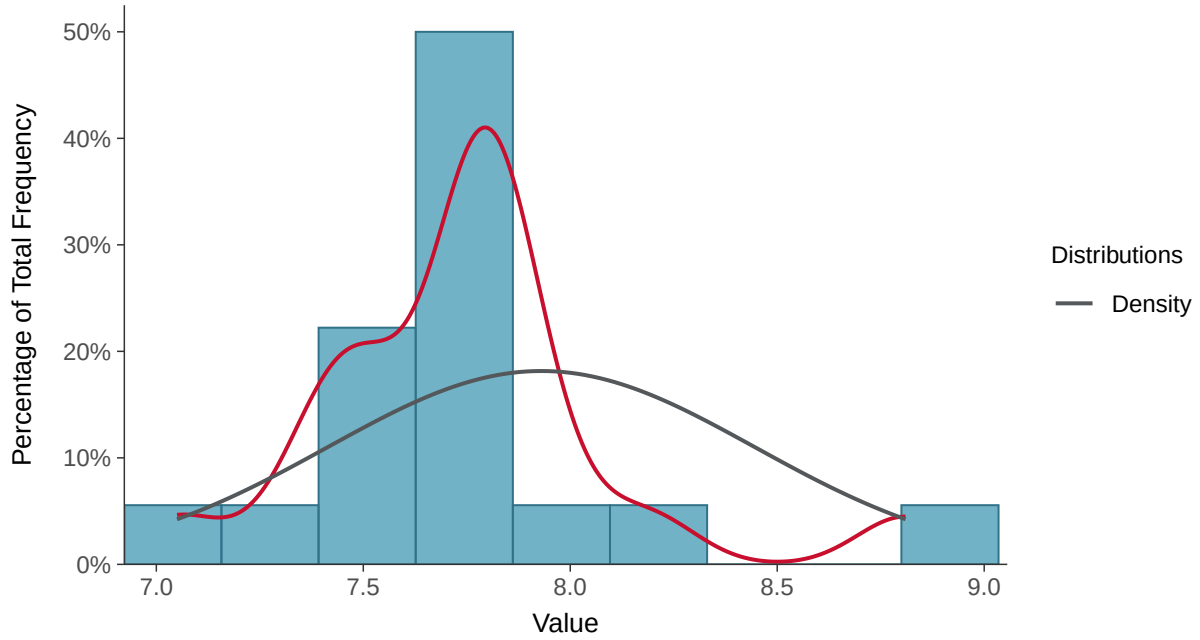
Scatter Plot

pH (field), MW-10 (su)



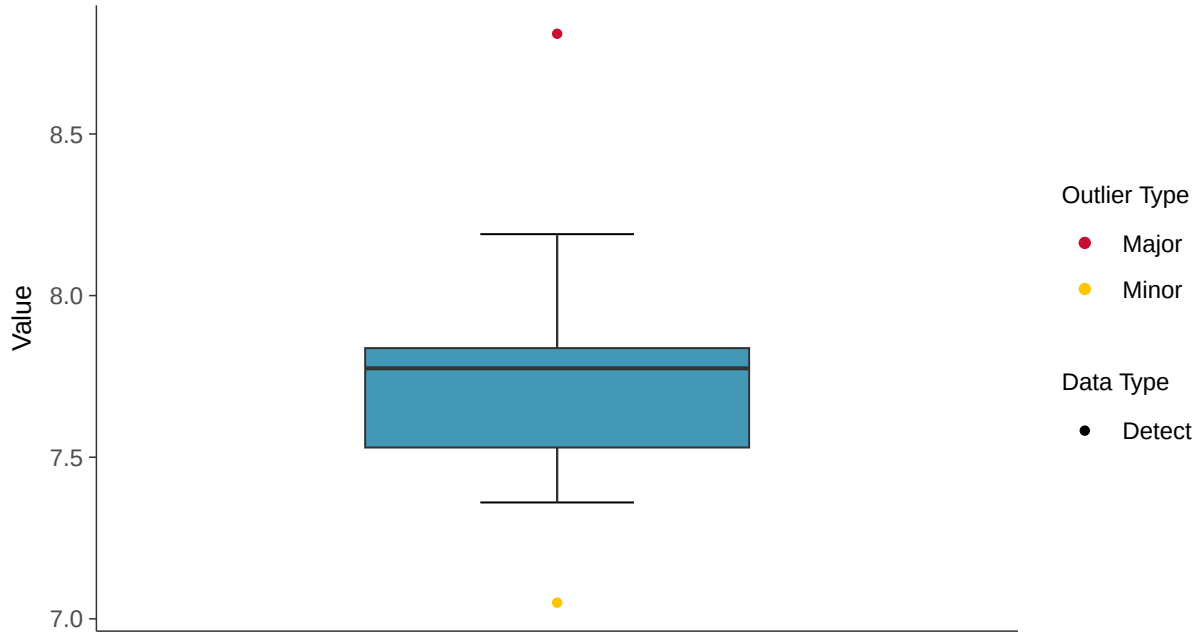
Histogram

pH (field), MW-10 (su)



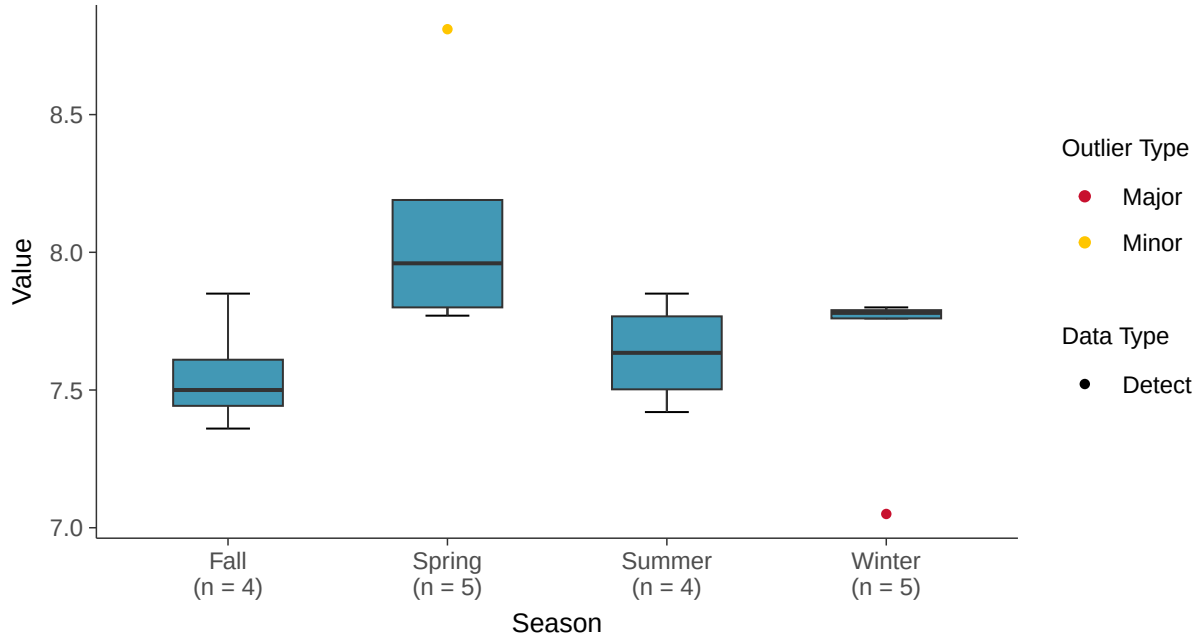
Boxplot

pH (field), MW-10 (su)



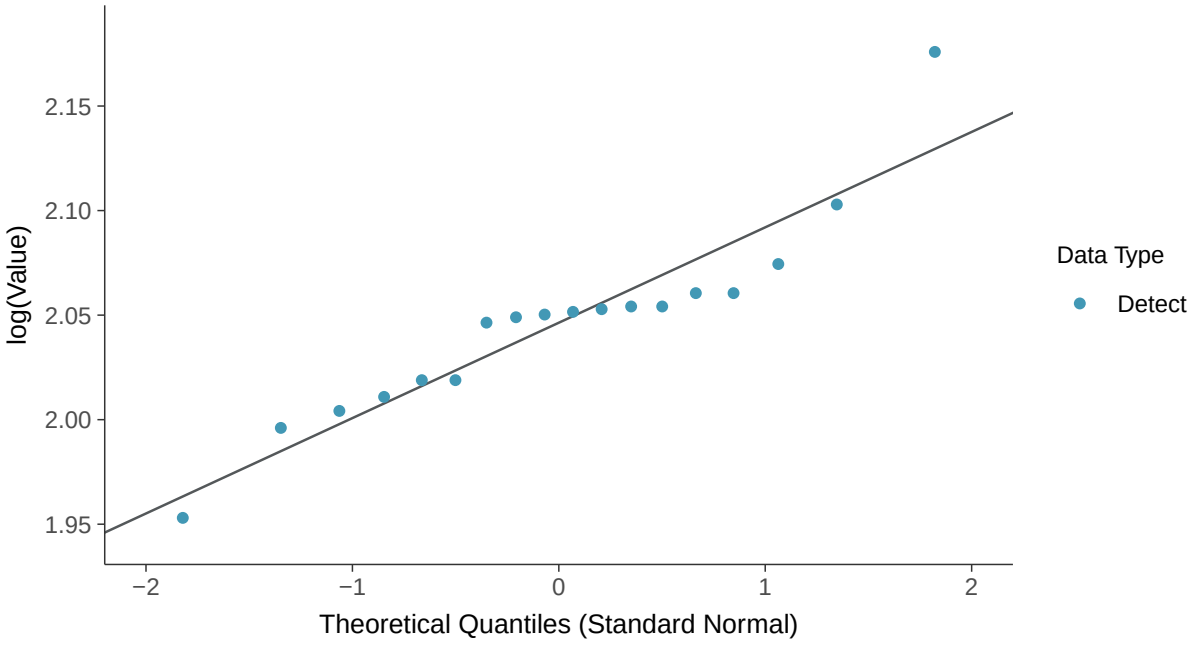
Boxplot by Season

pH (field), MW-10 (su)



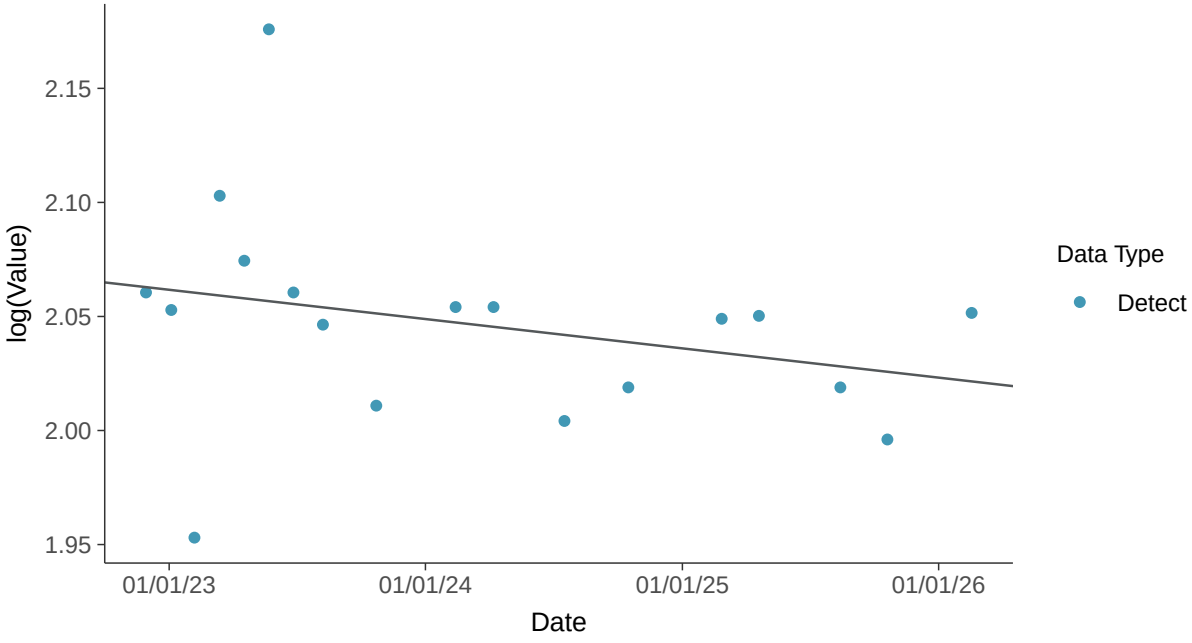
Lognormal Q-Q plot

pH (field), MW-10 (su)



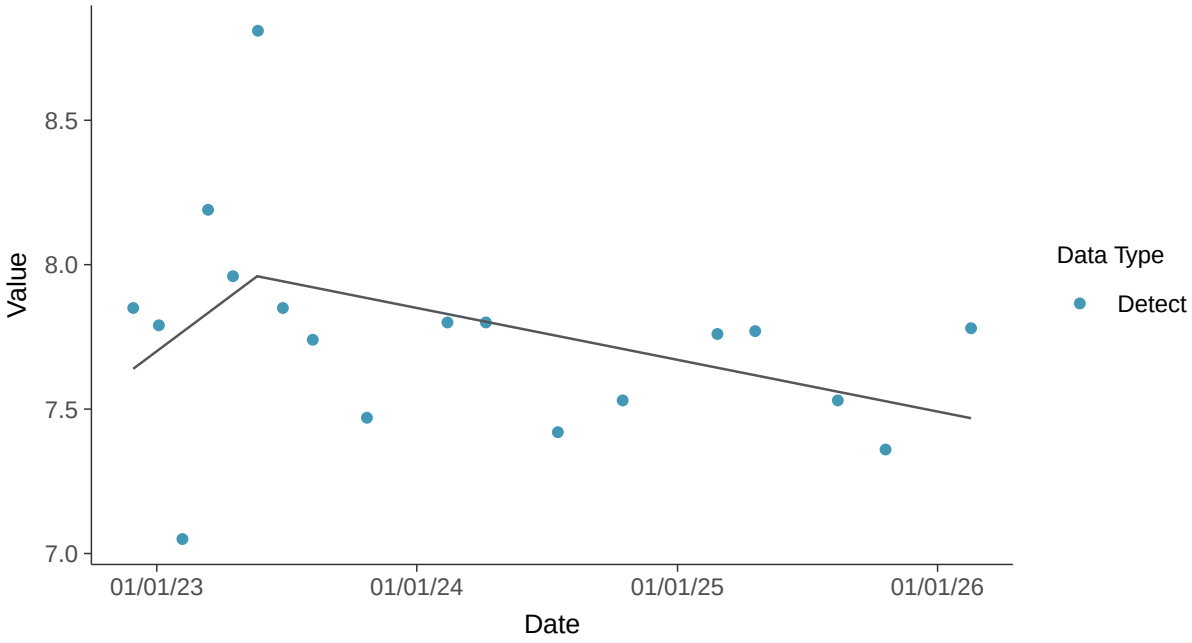
Trend Regression: Lognormal MLE

pH (field), MW-10 (su)



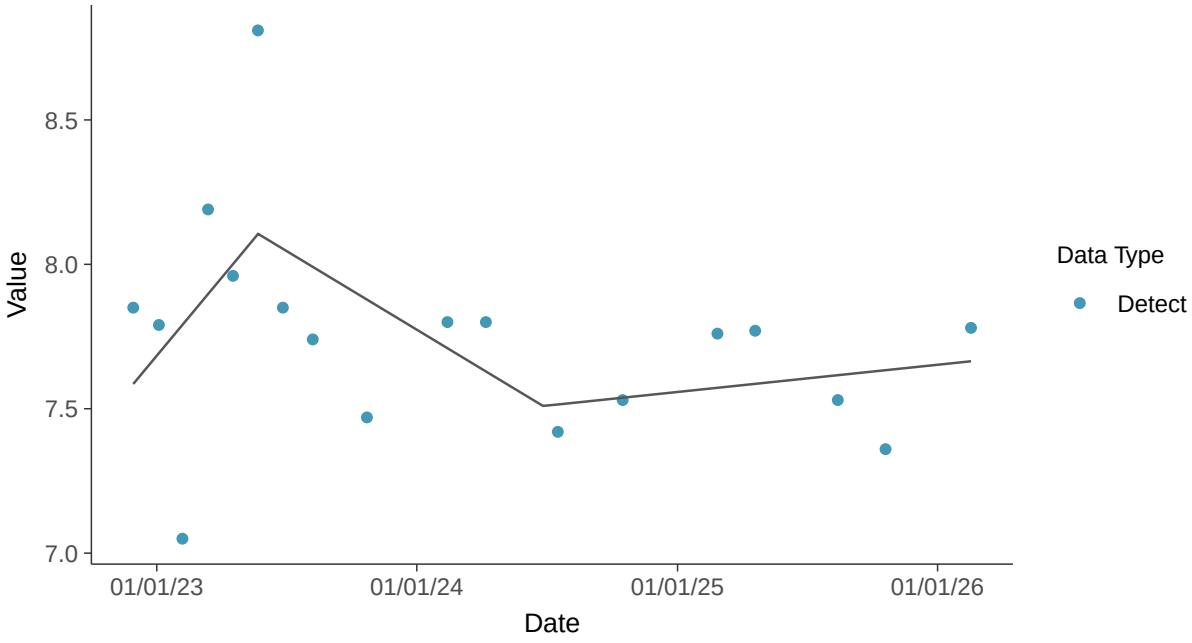
Trend Regression: Piecewise Linear-Linear

pH (field), MW-10 (su)



Trend Regression: Piecewise Linear-Linear-Linear

pH (field), MW-10 (su)

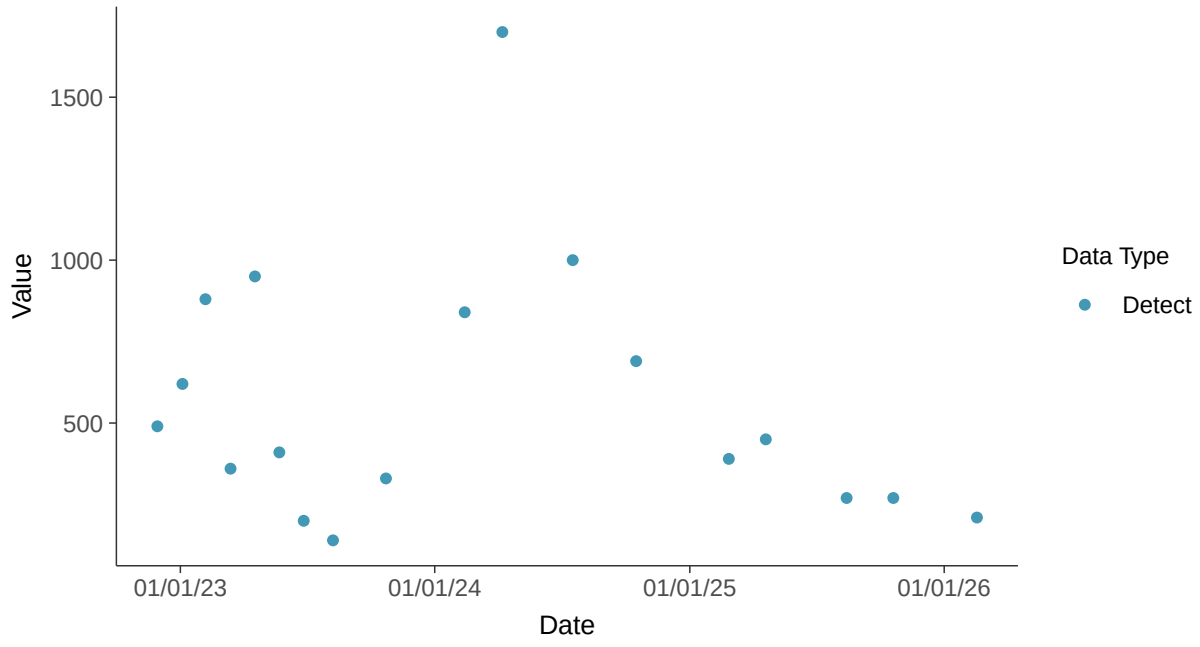


Appendix III: Sulfate (as SO4), MW-10

ID: 20_3_3_124

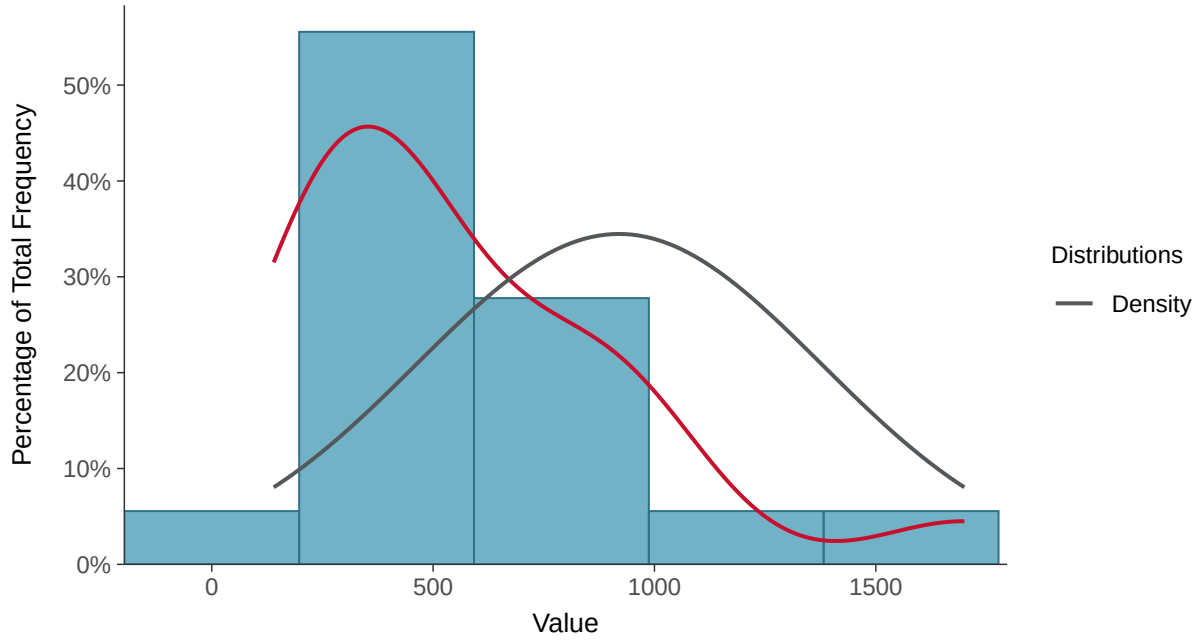
Scatter Plot

Sulfate (as SO4), MW-10 (mg/L)



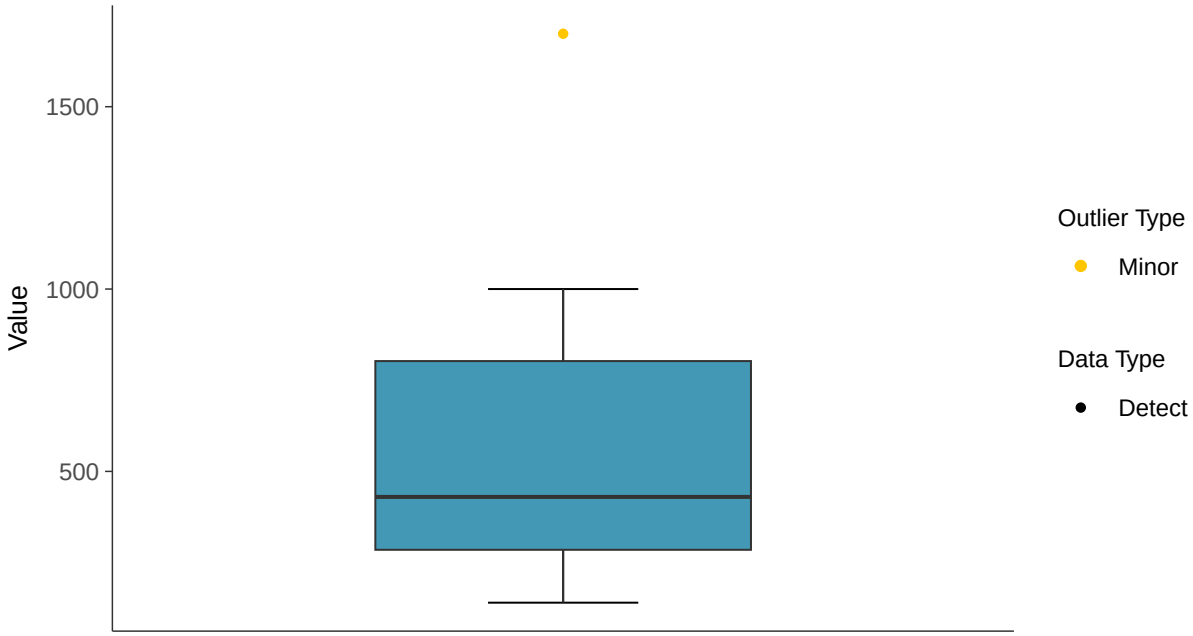
Histogram

Sulfate (as SO4), MW-10 (mg/L)



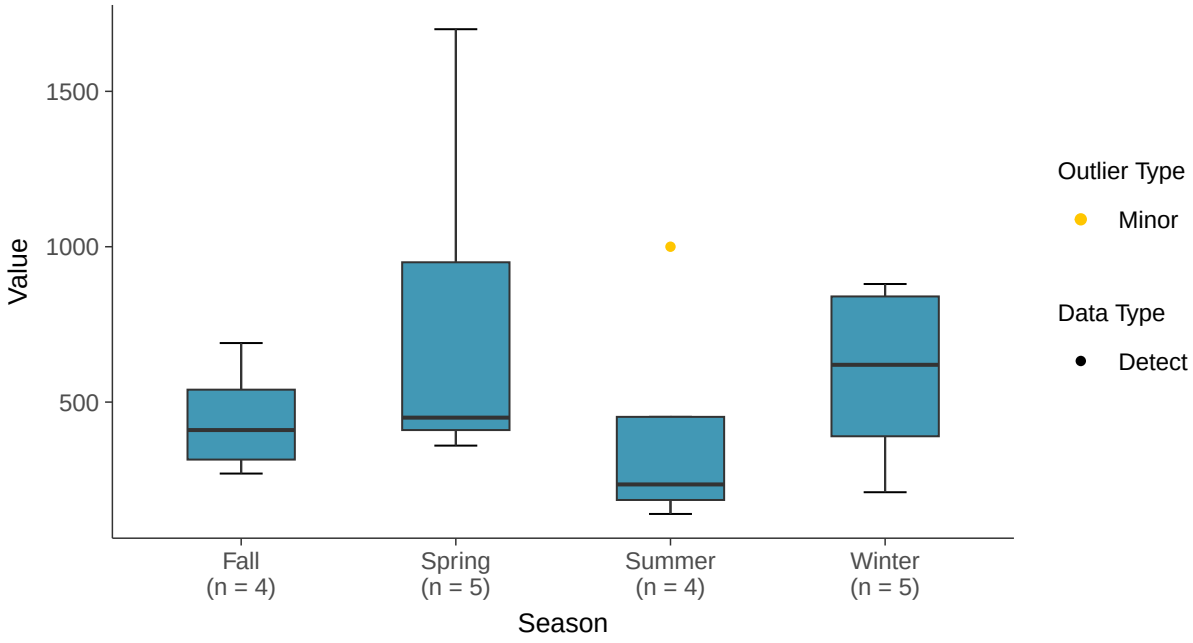
Boxplot

Sulfate (as SO4), MW-10 (mg/L)



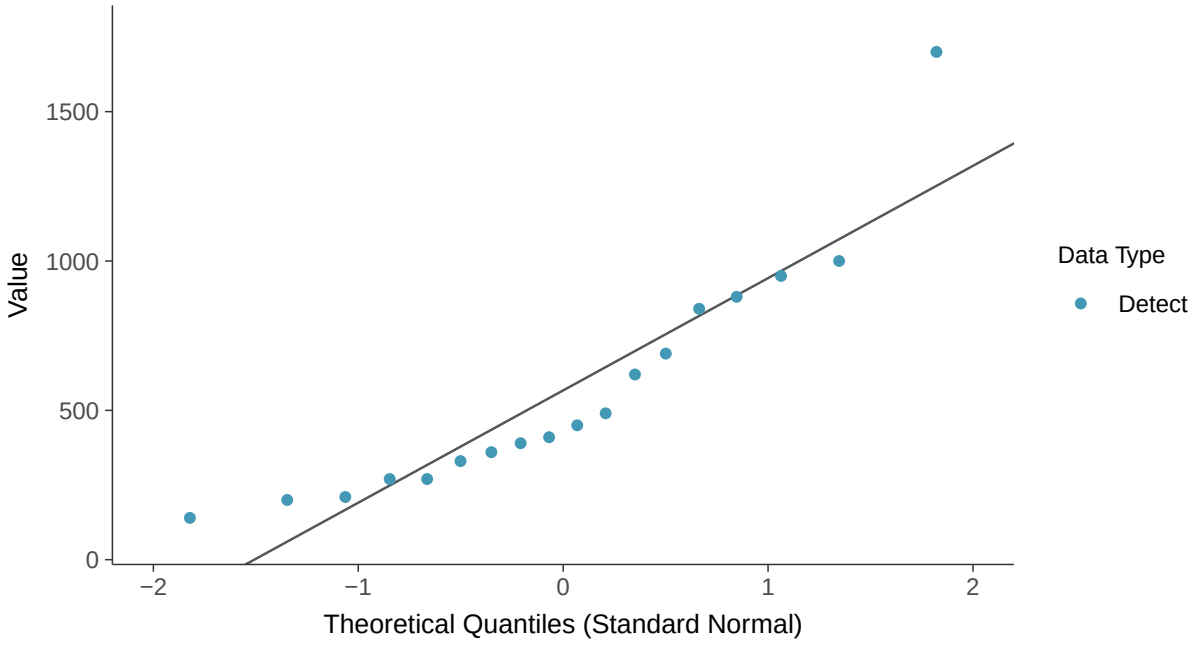
Boxplot by Season

Sulfate (as SO4), MW-10 (mg/L)



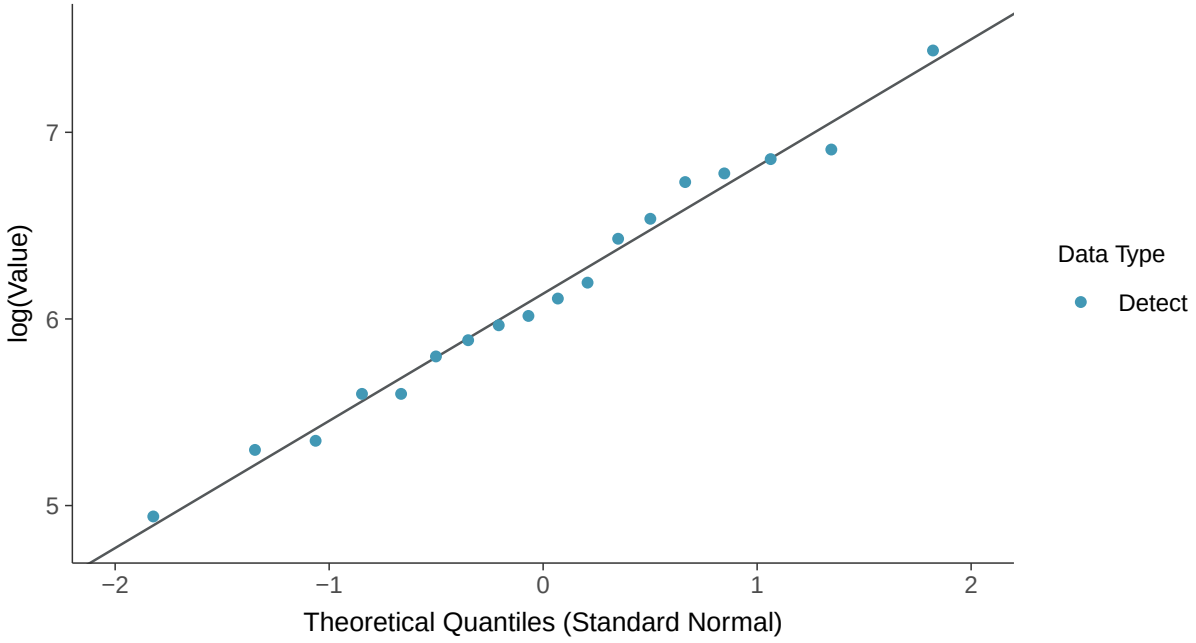
Normal Q-Q plot

Sulfate (as SO4), MW-10 (mg/L)



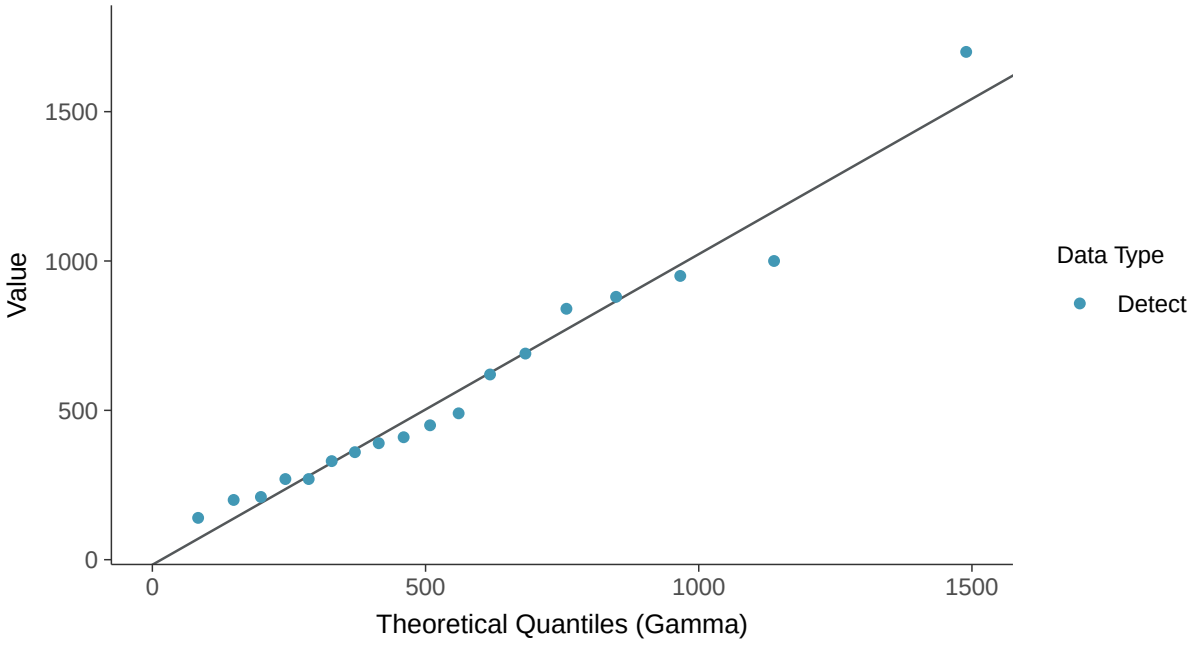
Lognormal Q-Q plot

Sulfate (as SO4), MW-10 (mg/L)



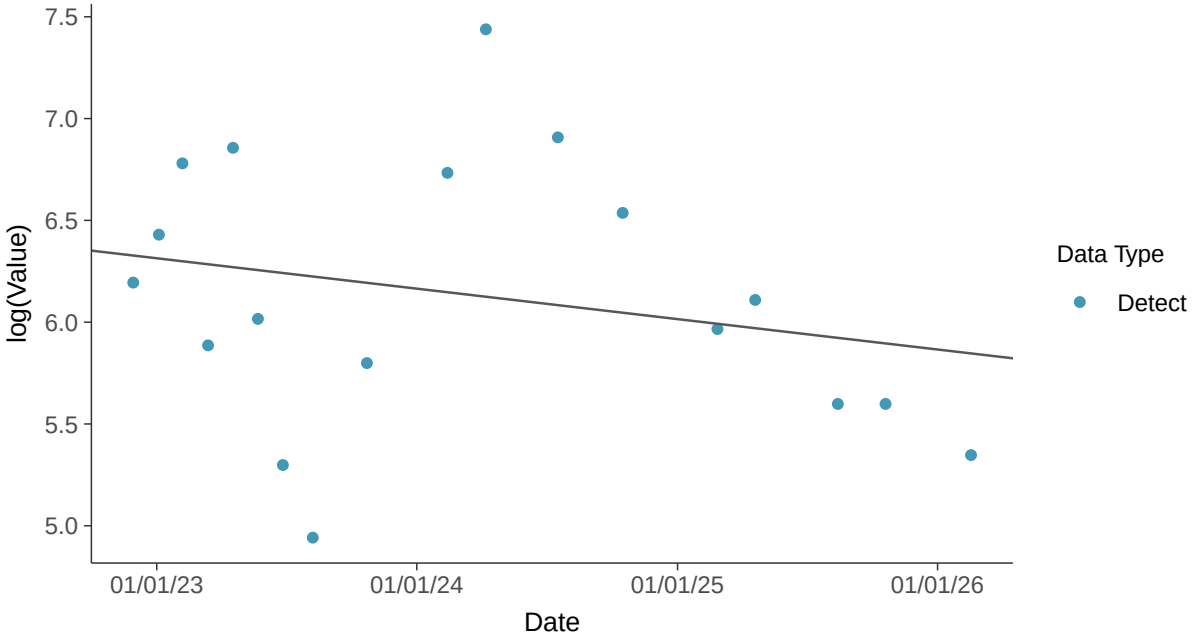
Gamma Q-Q plot

Sulfate (as SO4), MW-10 (mg/L)



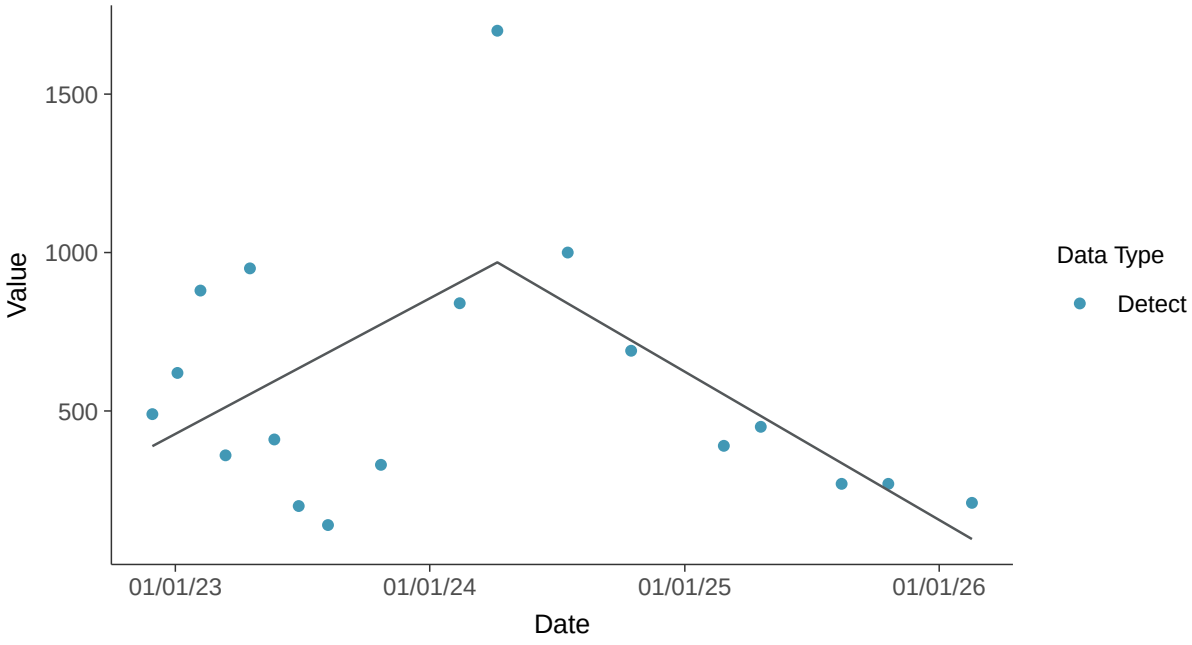
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-10 (mg/L)



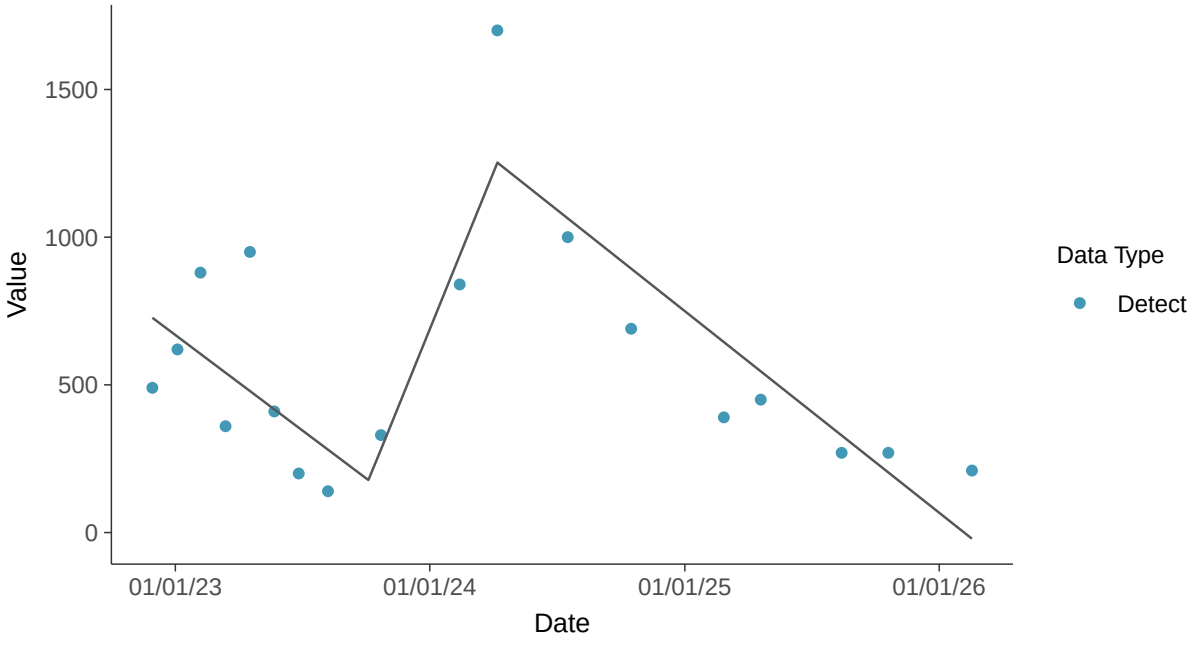
Trend Regression: Piecewise Linear-Linear

Sulfate (as SO4), MW-10 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Sulfate (as SO4), MW-10 (mg/L)

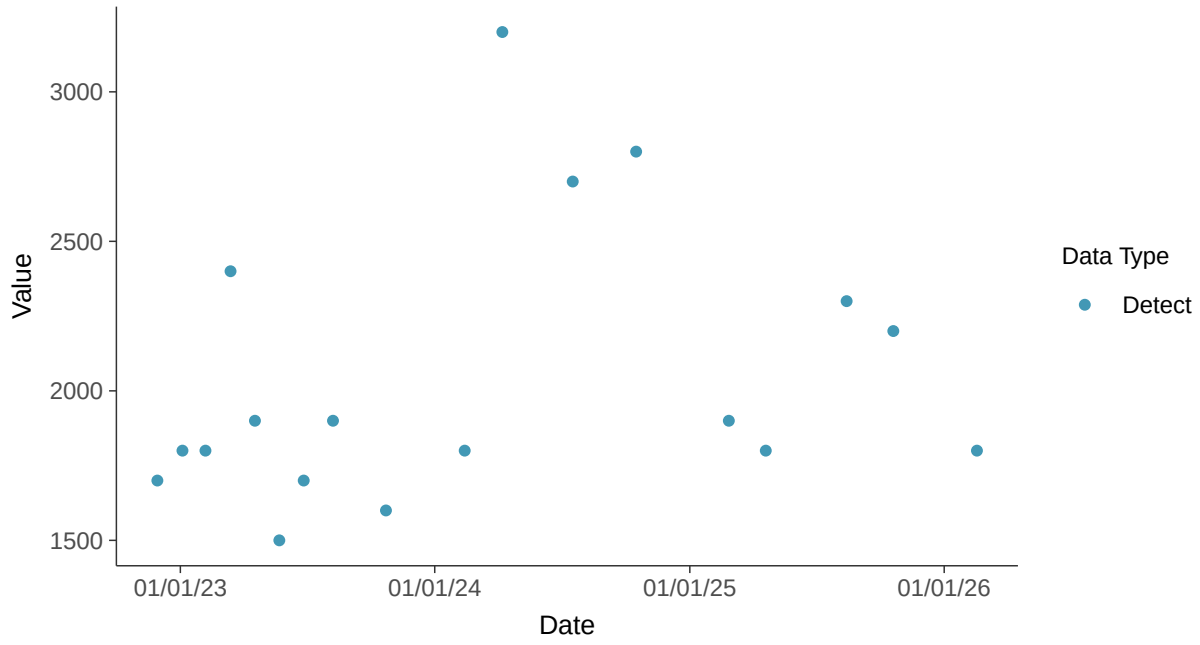


Appendix III: Total Dissolved Solids, MW-10

ID: 20_3_3_126

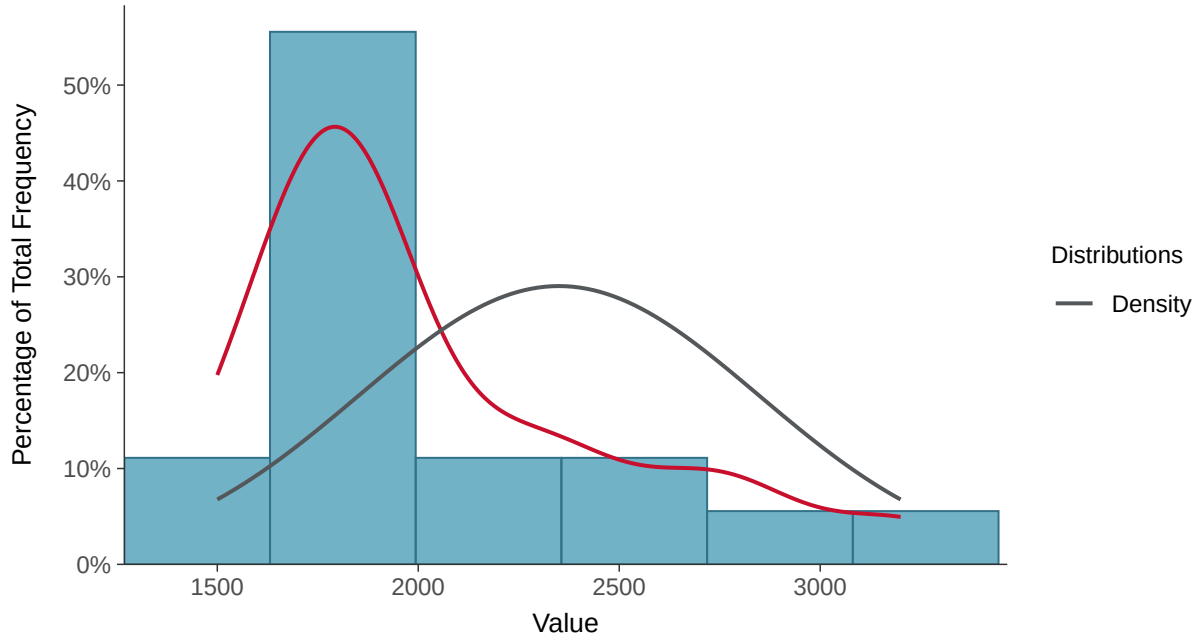
Scatter Plot

Total Dissolved Solids, MW-10 (mg/L)



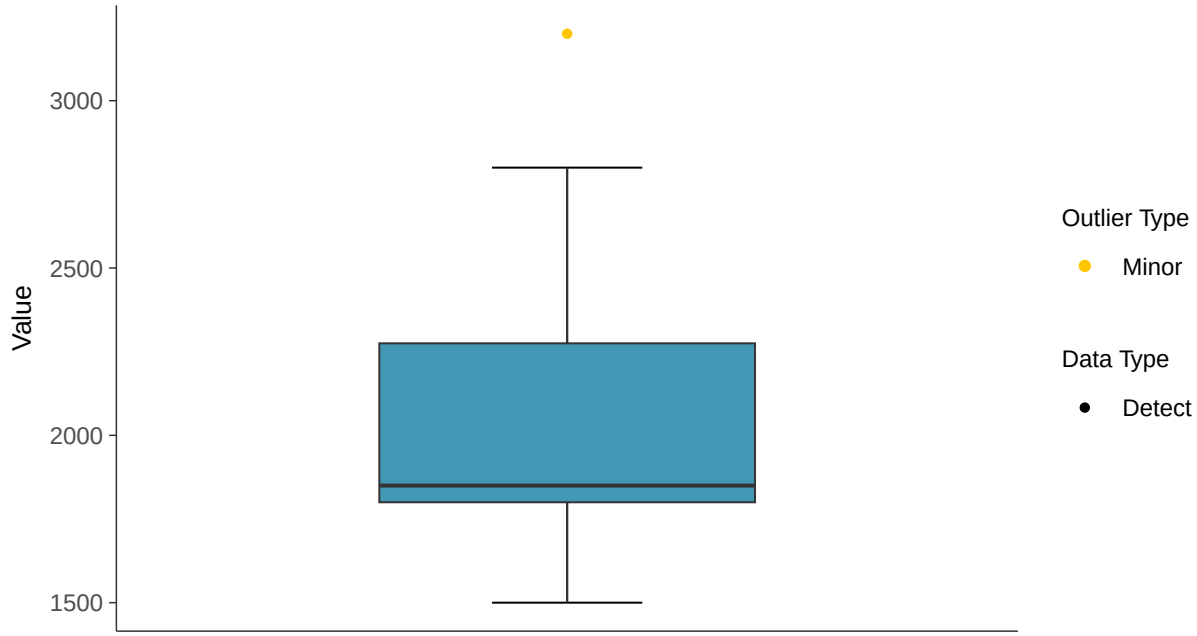
Histogram

Total Dissolved Solids, MW-10 (mg/L)



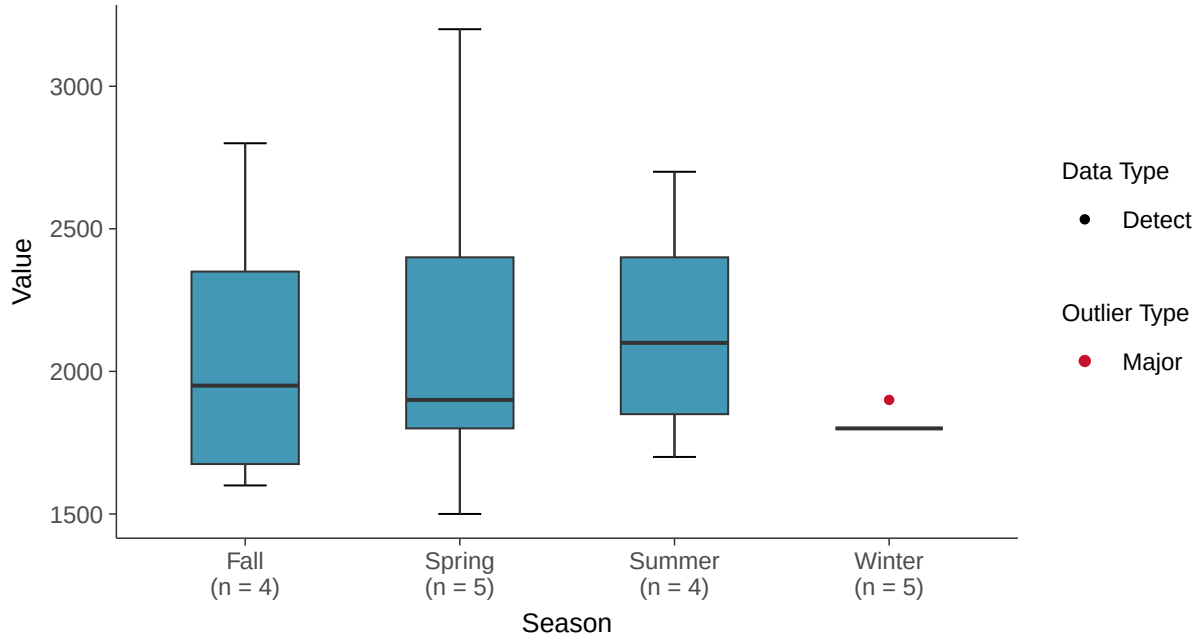
Boxplot

Total Dissolved Solids, MW-10 (mg/L)



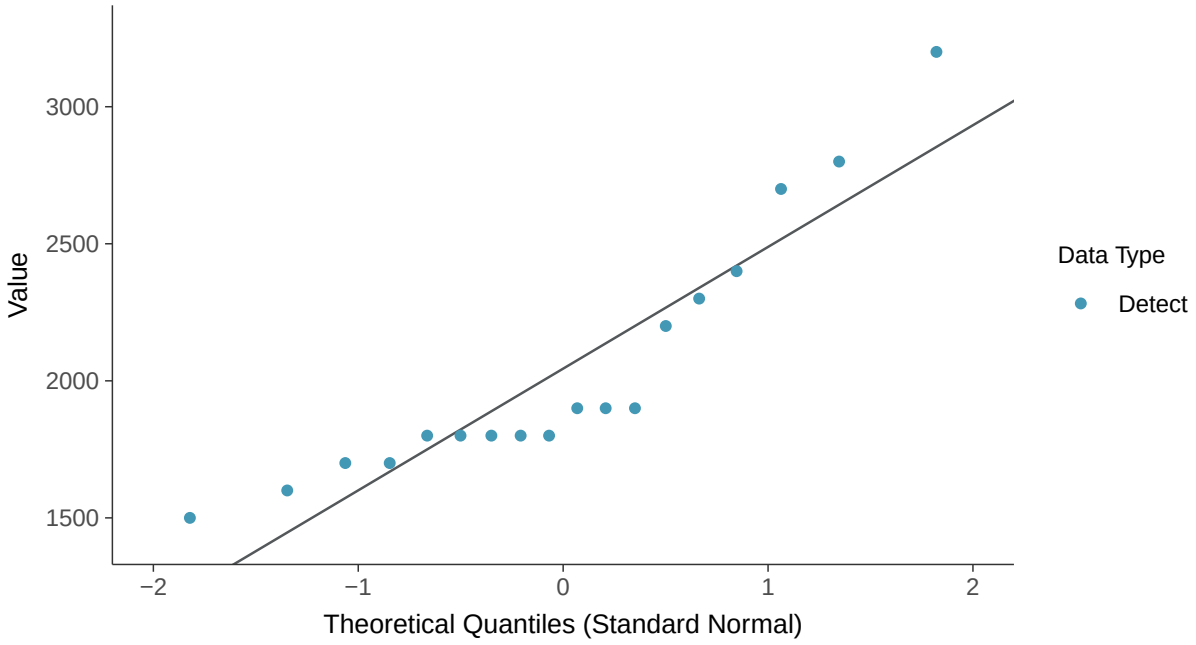
Boxplot by Season

Total Dissolved Solids, MW-10 (mg/L)



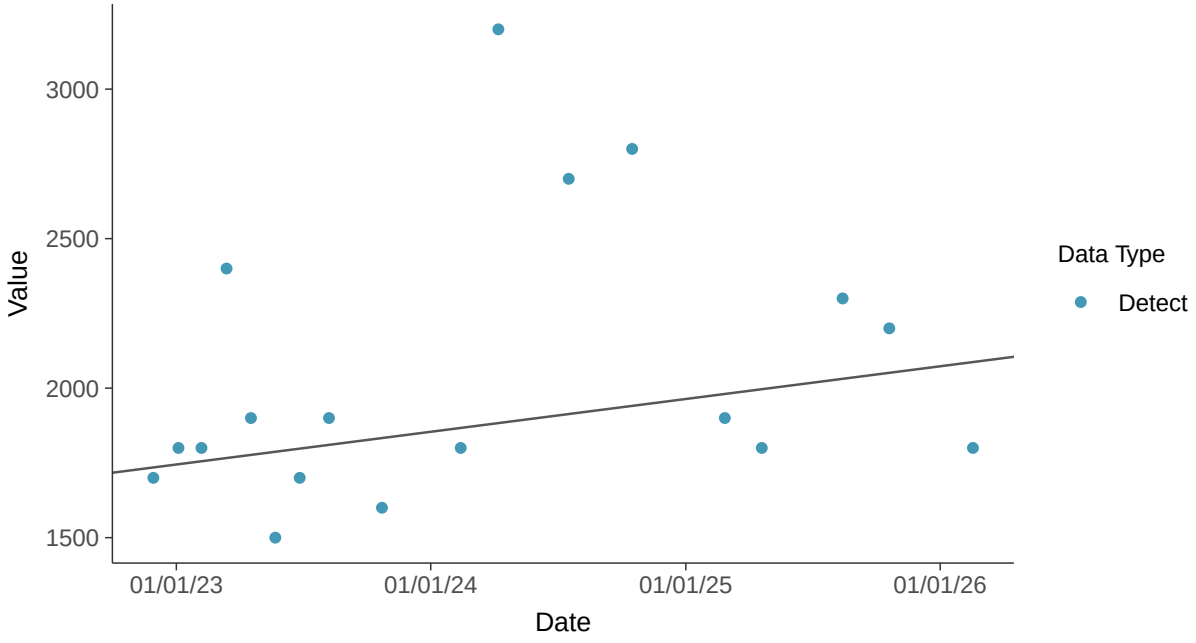
Normal Q-Q plot

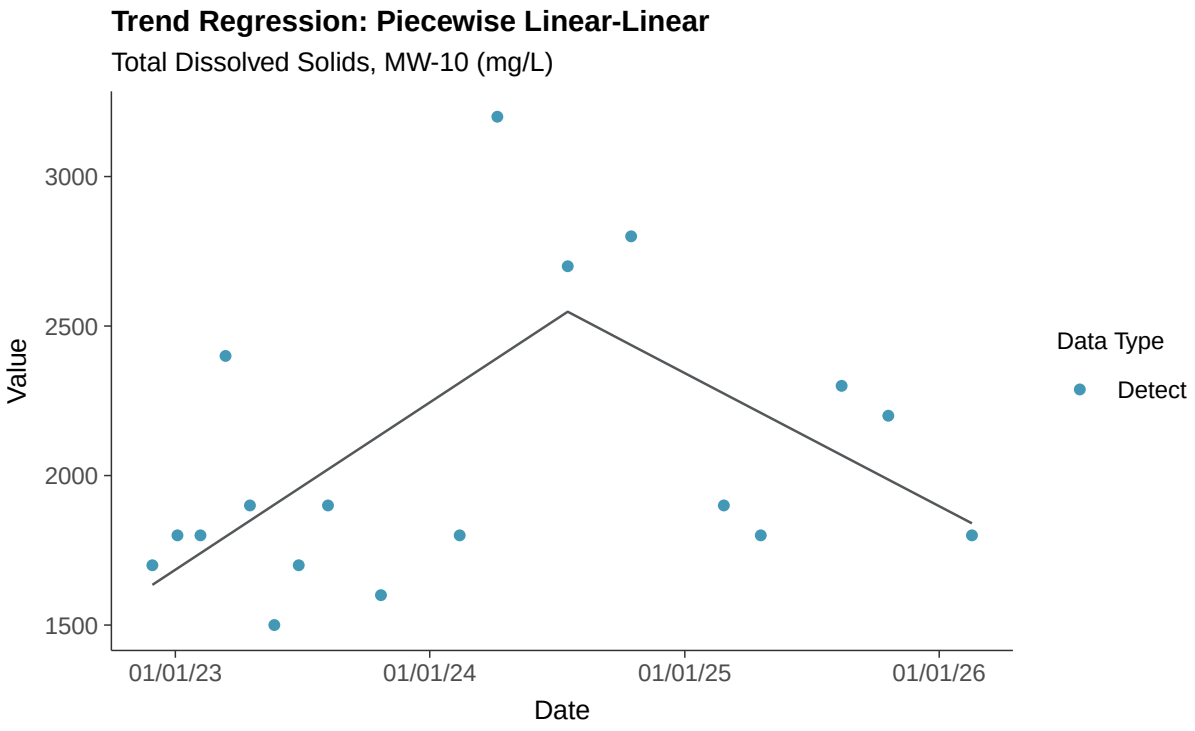
Total Dissolved Solids, MW-10 (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

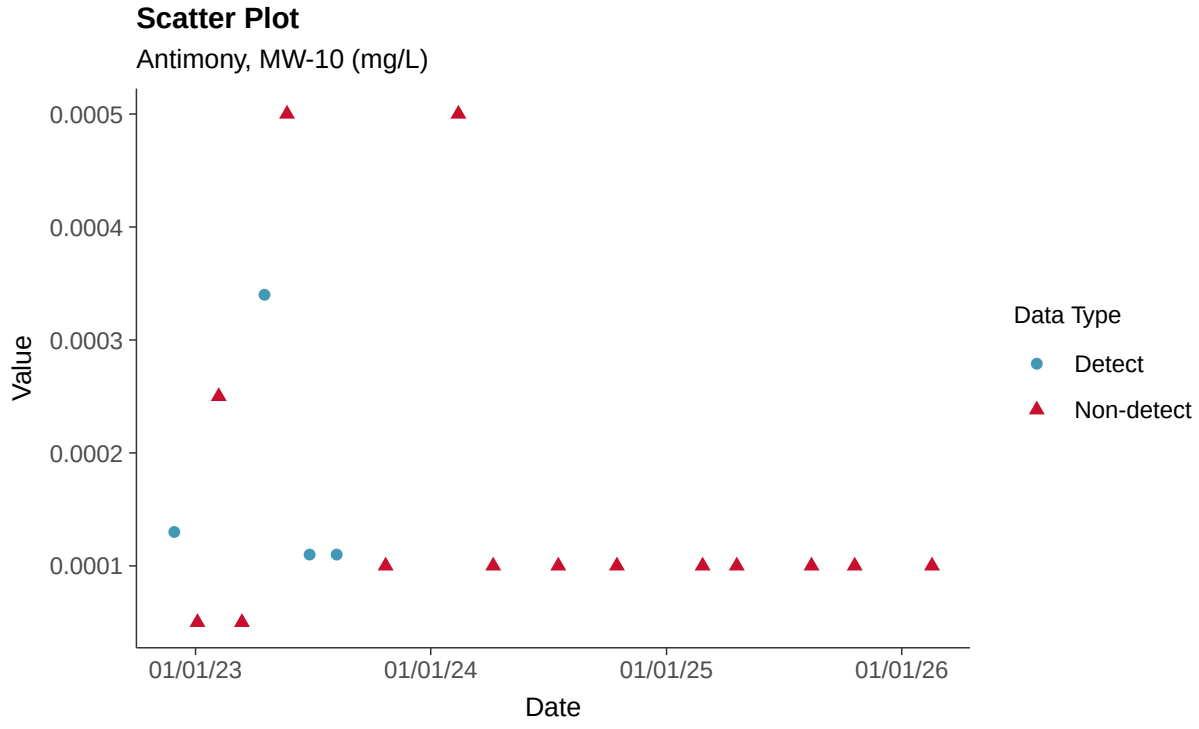
Total Dissolved Solids, MW-10 (mg/L)

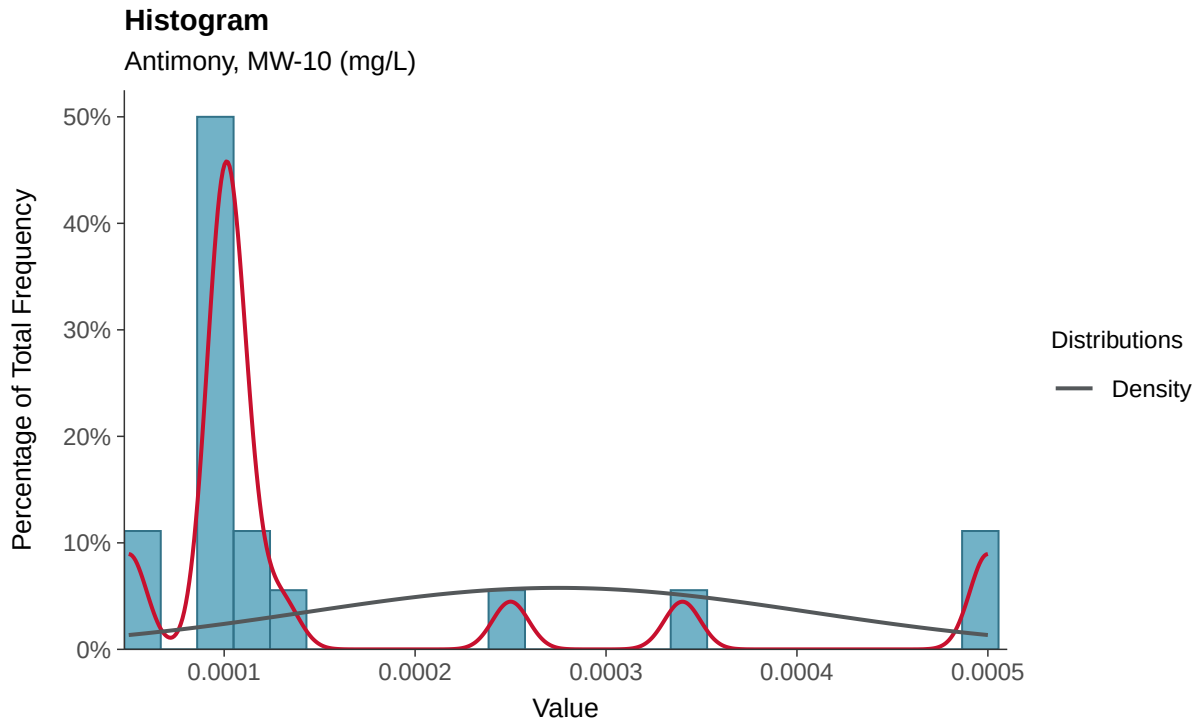



Trend Regression: Piecewise Linear-Linear
Total Dissolved Solids, MW-10 (mg/L)
Value
3000
2500
2000
1500
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Antimony, MW-10

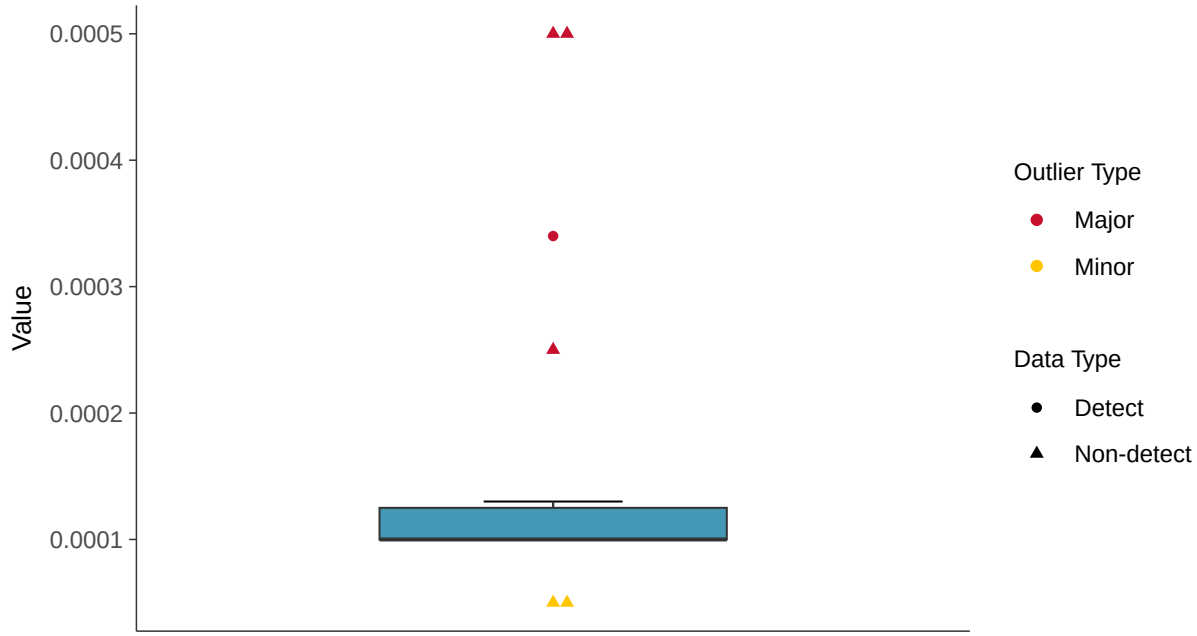
ID: 20_3_4_101





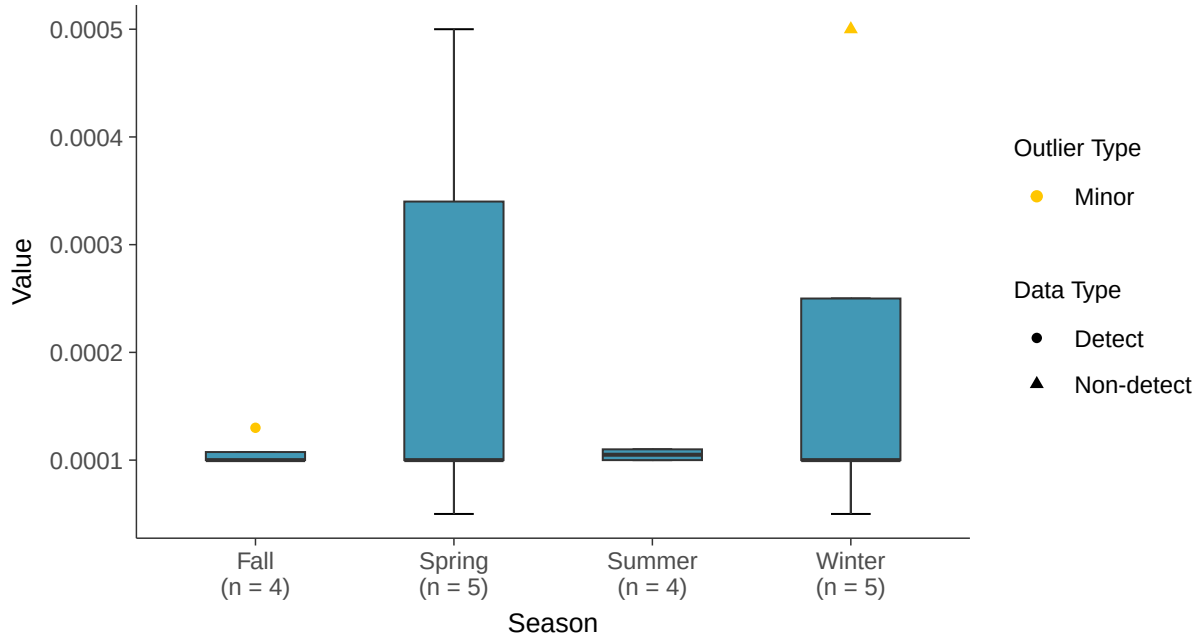
Boxplot

Antimony, MW-10 (mg/L)



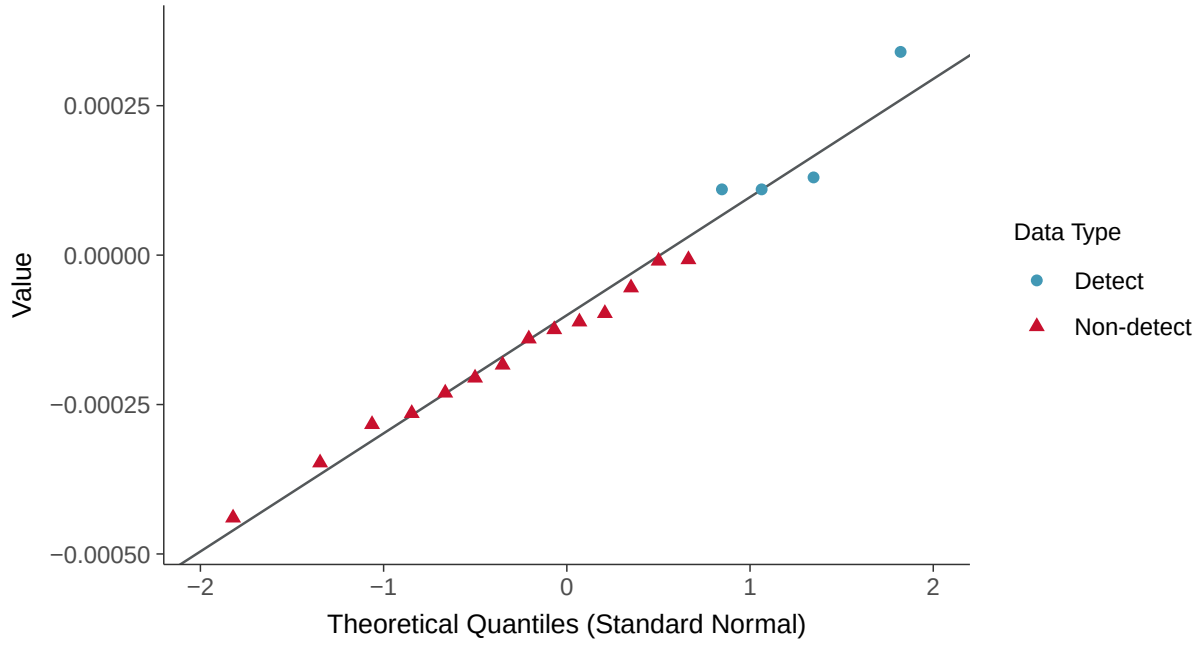
Boxplot by Season

Antimony, MW-10 (mg/L)



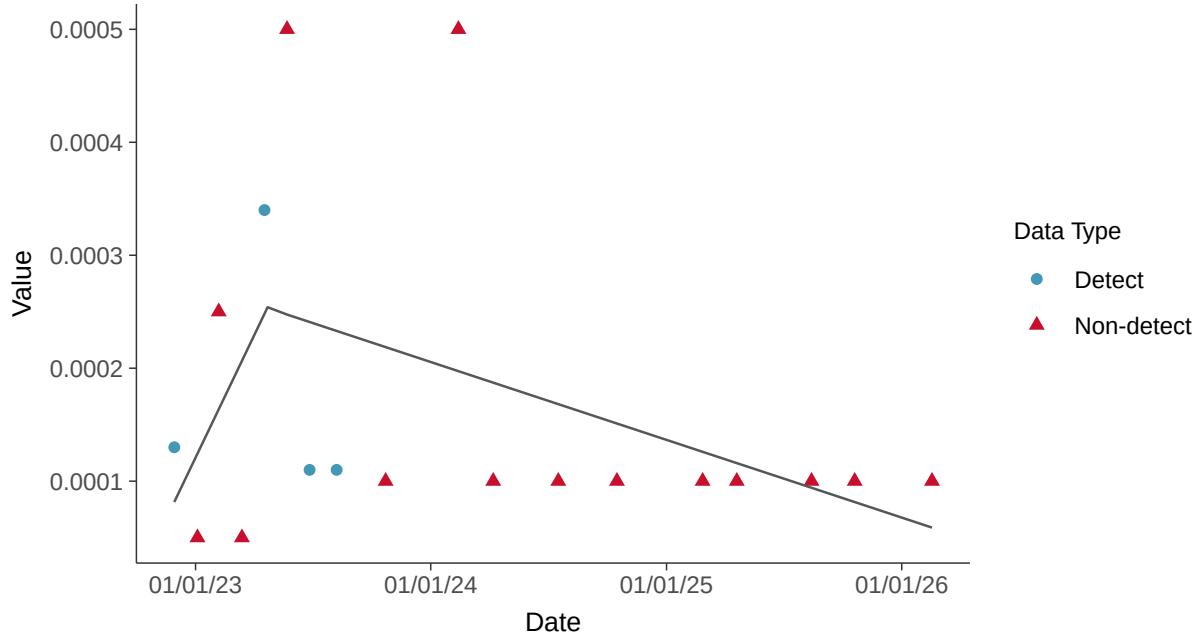
Normal Q-Q plot using ROS Imputed Estimates

Antimony, MW-10 (mg/L)



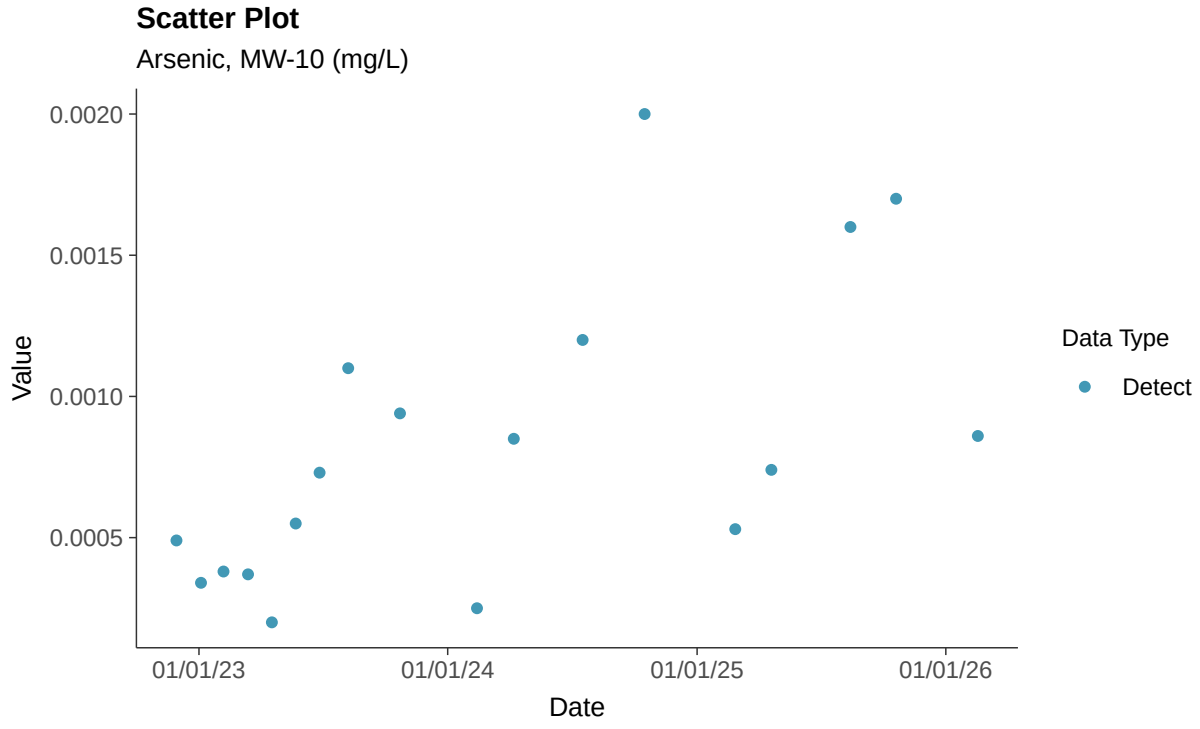
Trend Regression: Piecewise Linear-Linear

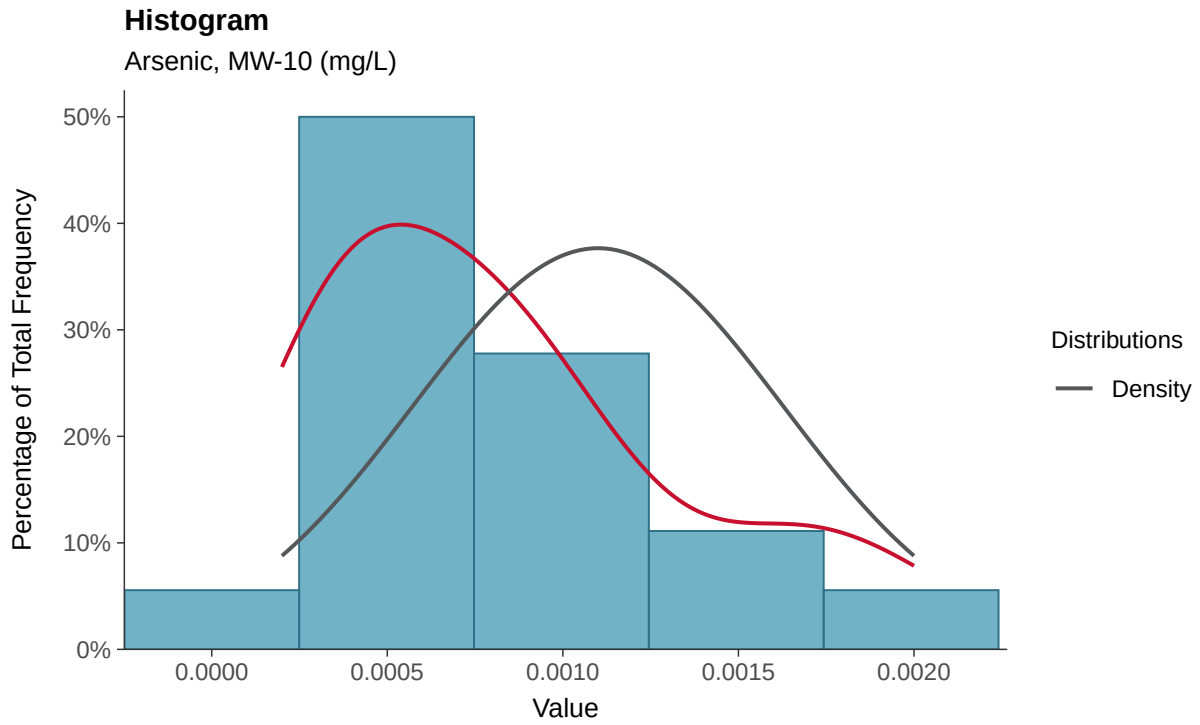
Antimony, MW-10 (mg/L)



Appendix IV: Arsenic, MW-10

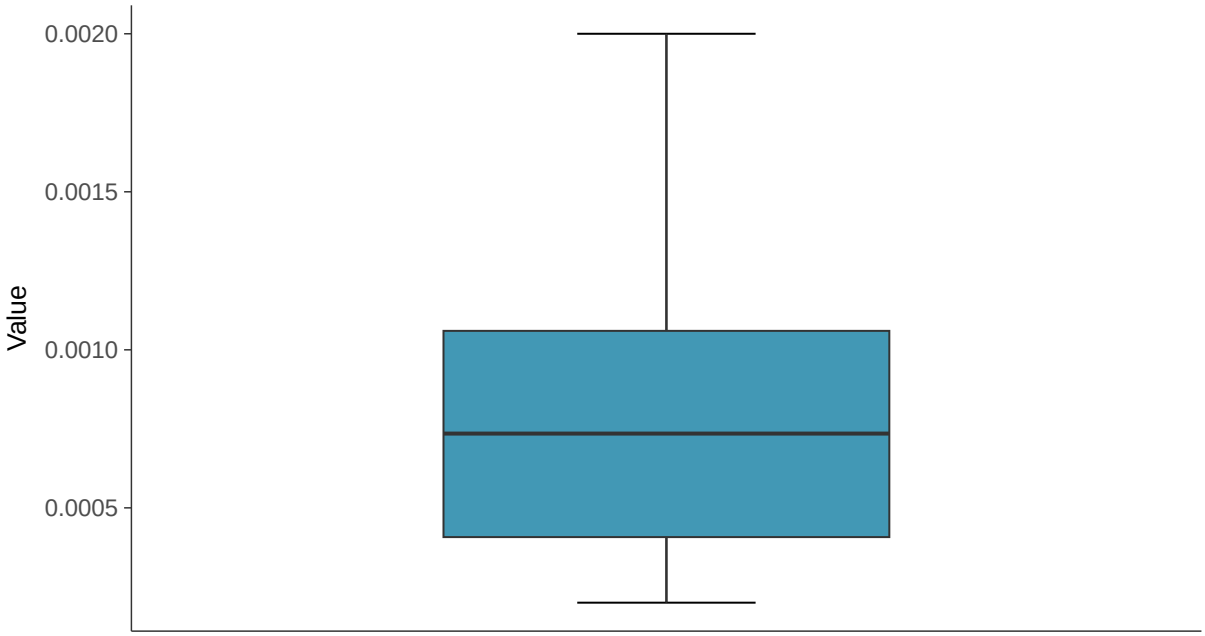
ID: 20_3_4_102





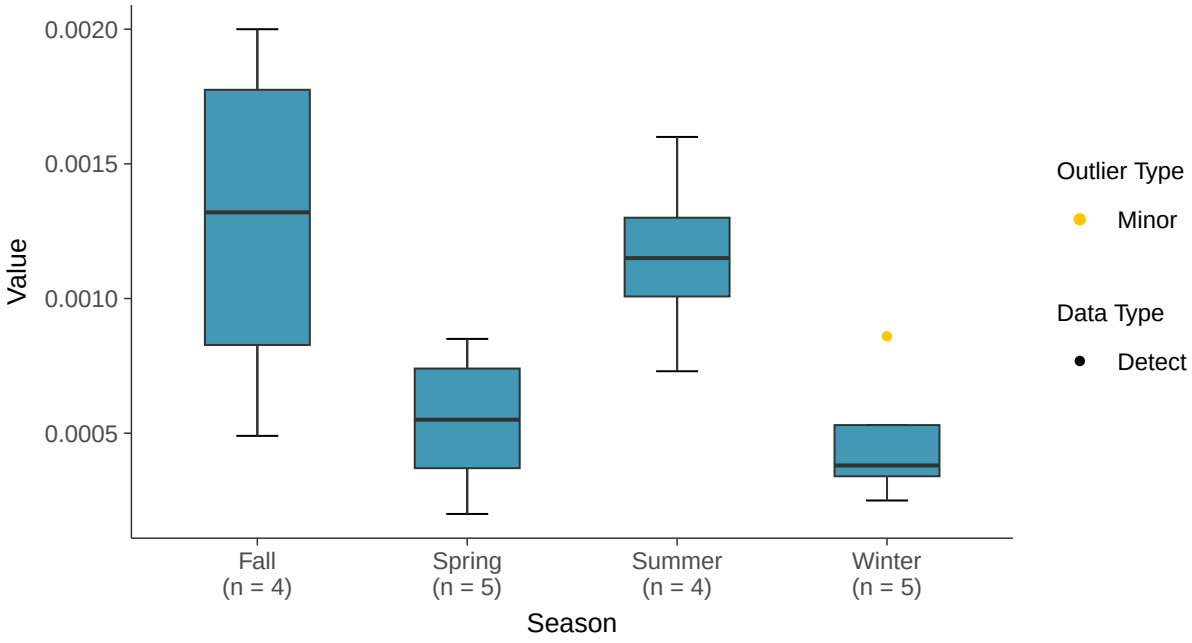
Boxplot

Arsenic, MW-10 (mg/L)



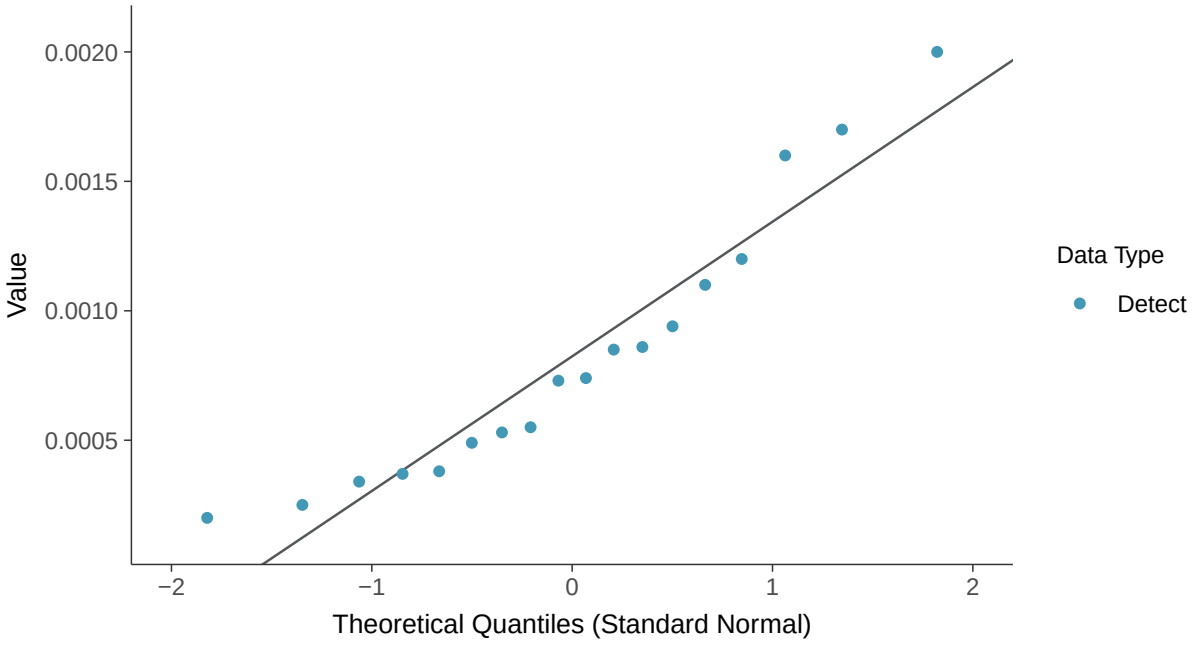
Boxplot by Season

Arsenic, MW-10 (mg/L)



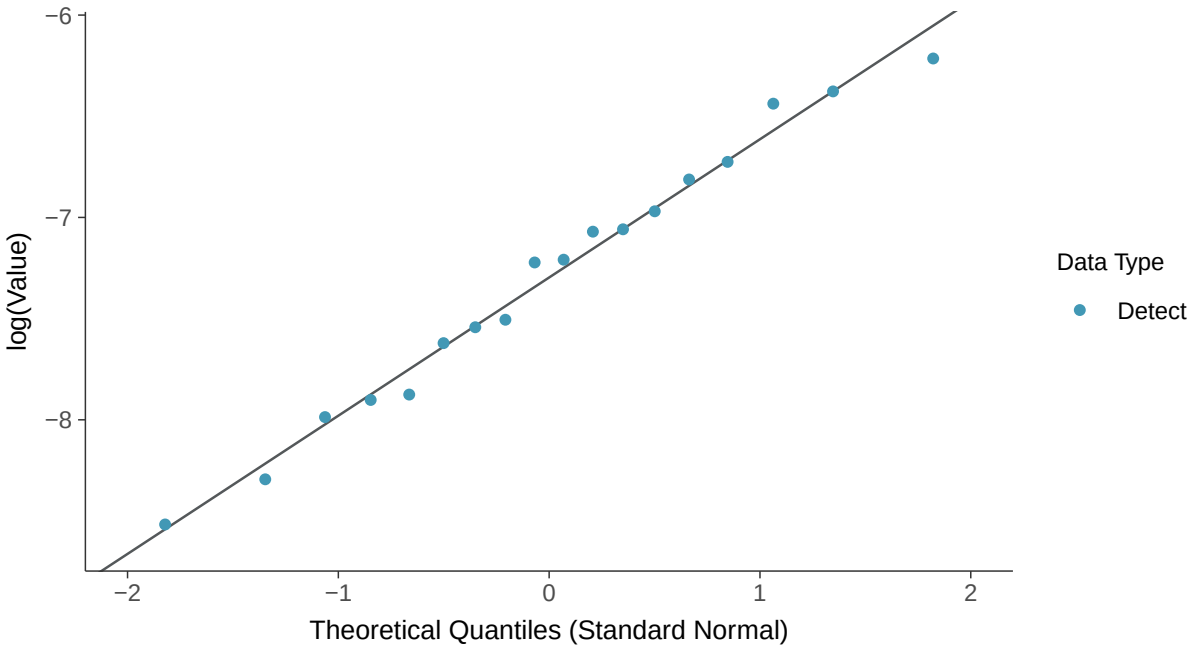
Normal Q-Q plot

Arsenic, MW-10 (mg/L)



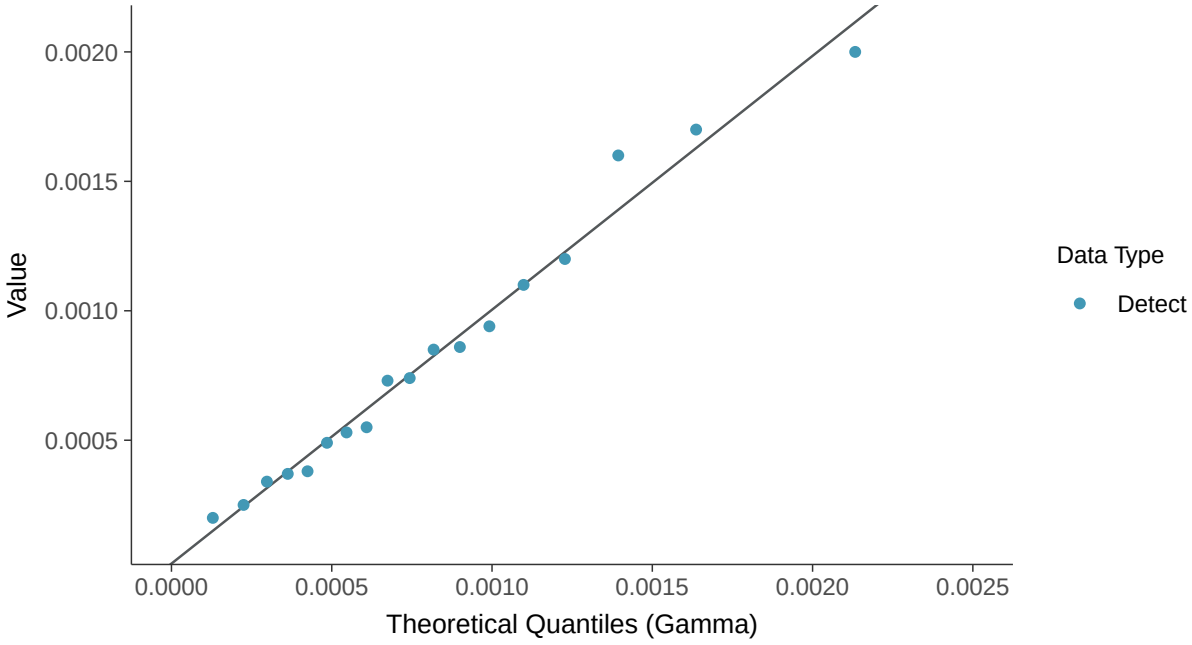
Lognormal Q-Q plot

Arsenic, MW-10 (mg/L)



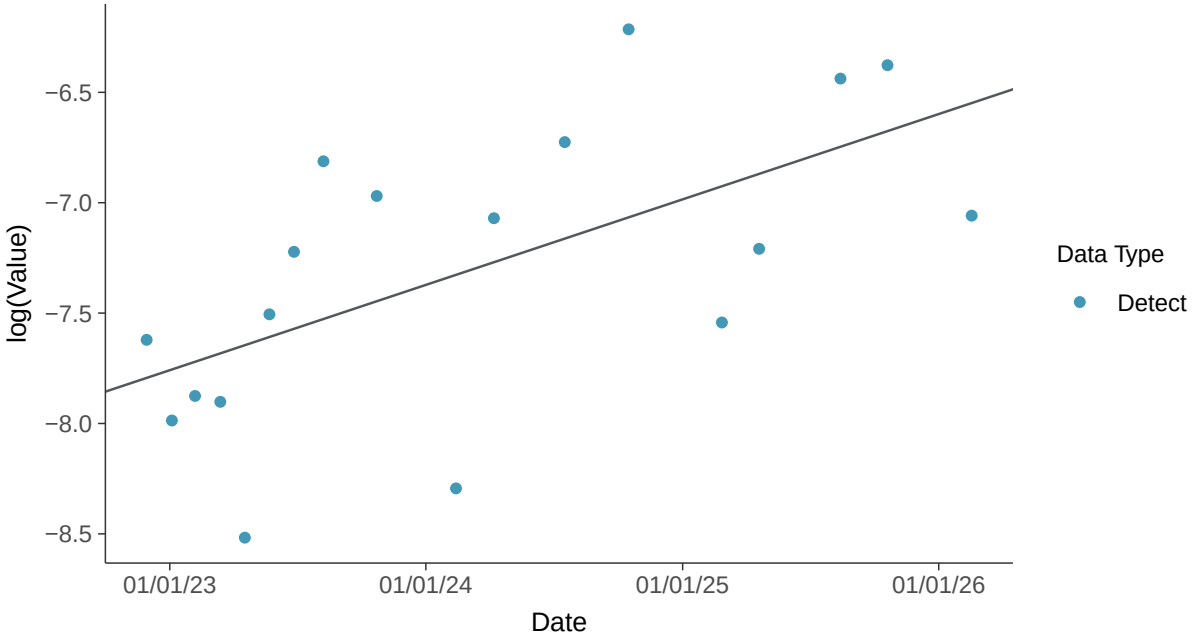
Gamma Q-Q plot

Arsenic, MW-10 (mg/L)



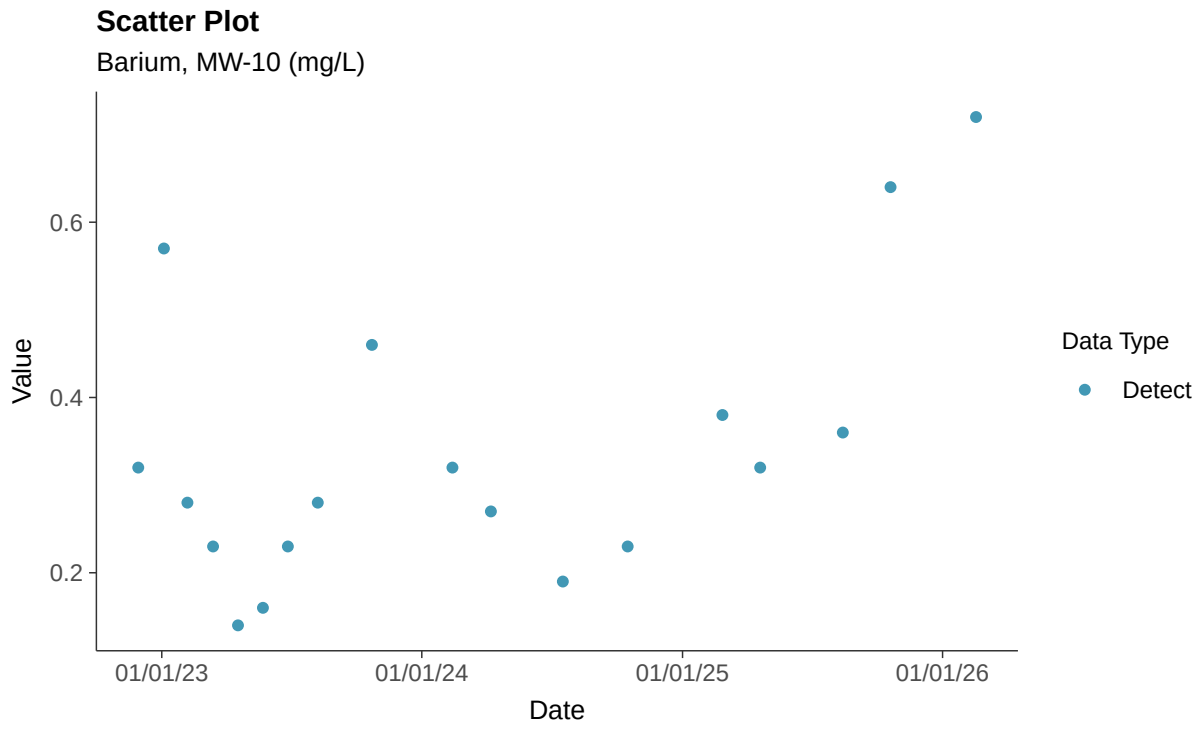
Trend Regression: Lognormal MLE

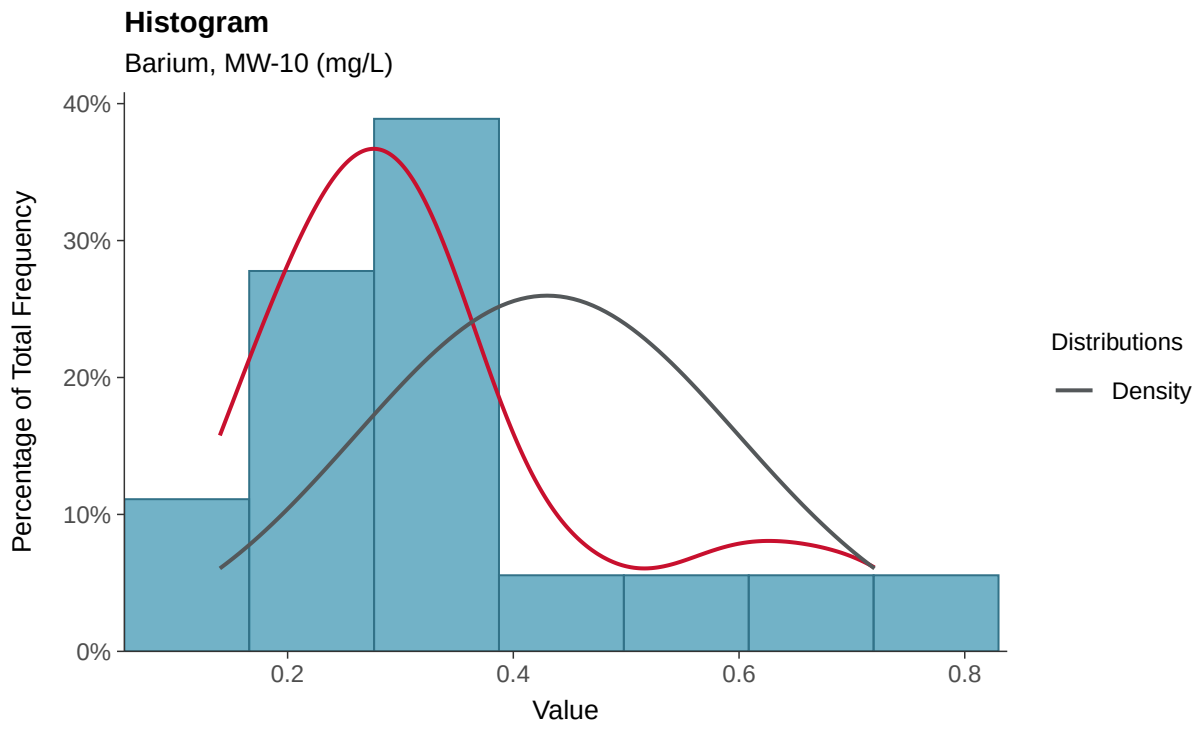
Arsenic, MW-10 (mg/L)



Appendix IV: Barium, MW-10

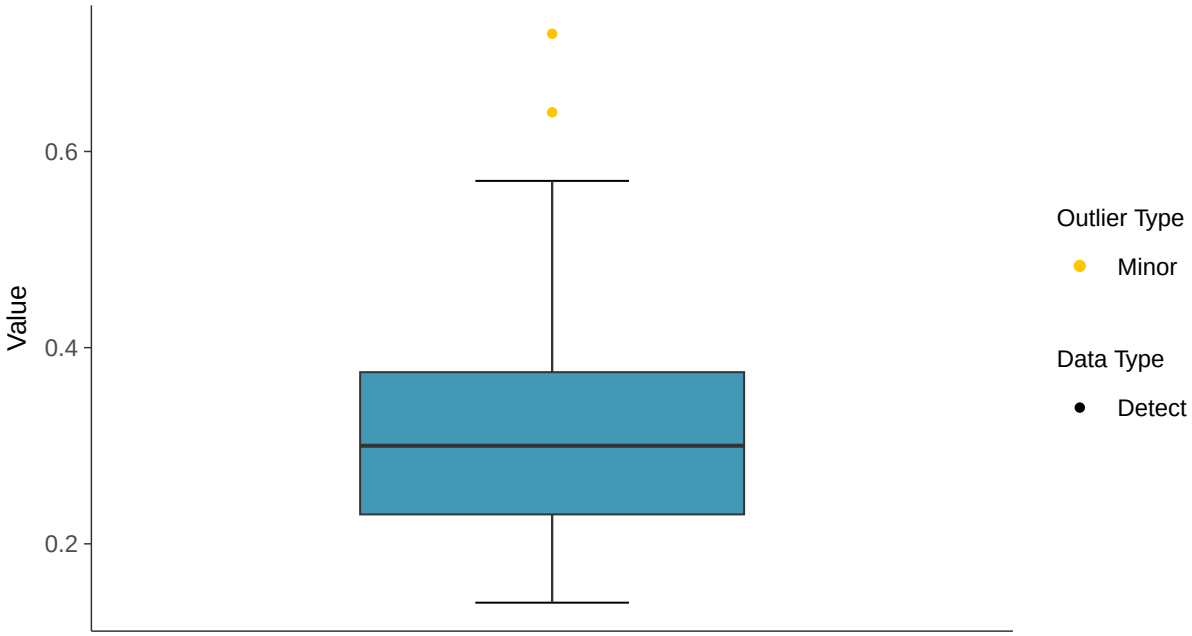
ID: 20_3_4_103





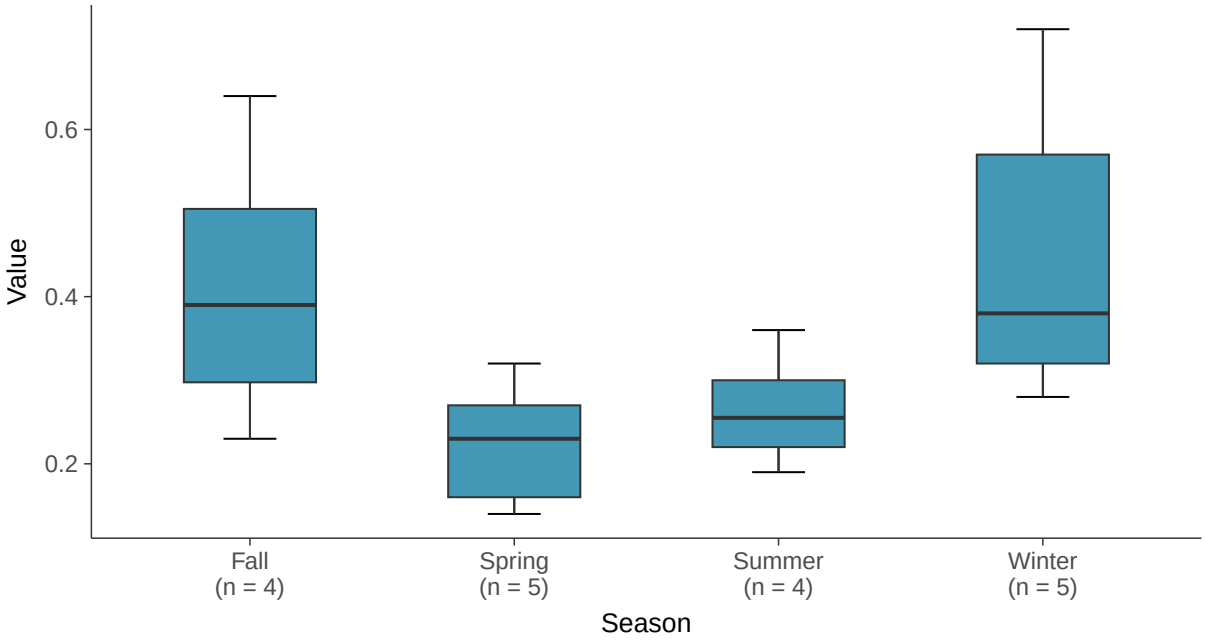
Boxplot

Barium, MW-10 (mg/L)



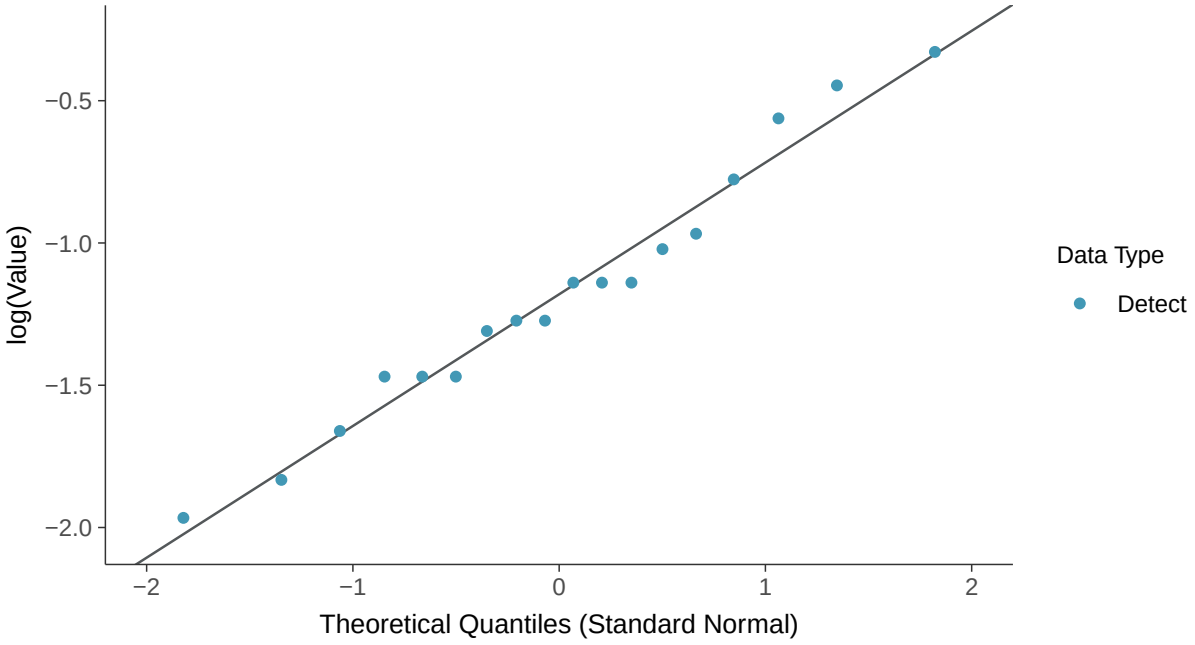
Boxplot by Season

Barium, MW-10 (mg/L)



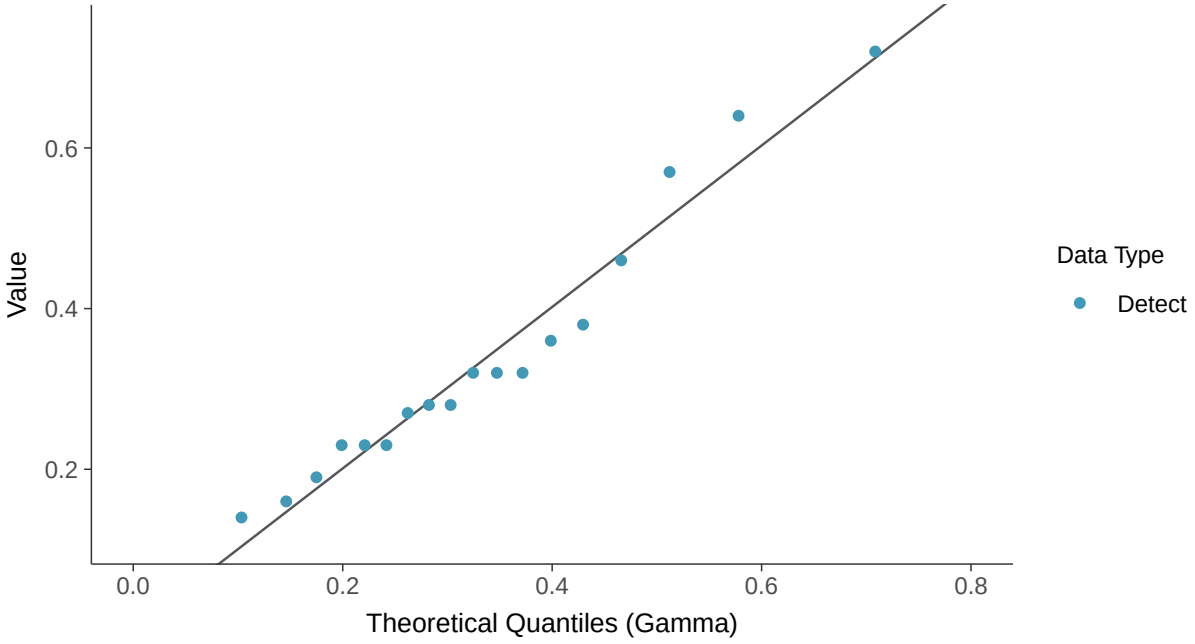
Lognormal Q-Q plot

Barium, MW-10 (mg/L)



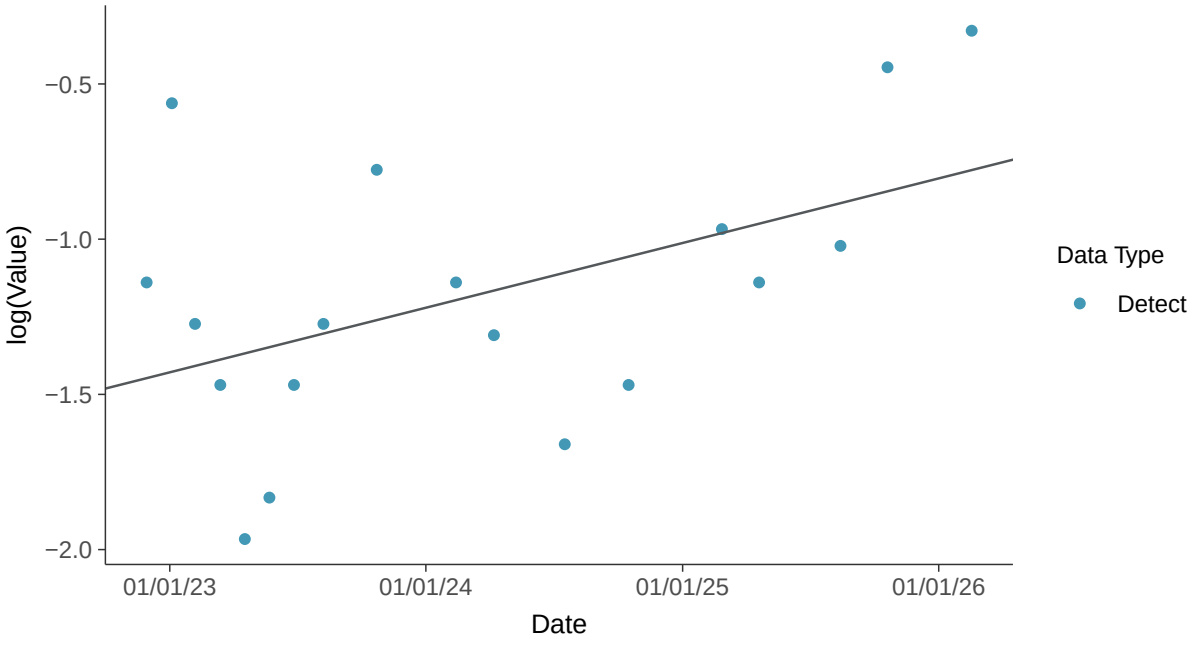
Gamma Q-Q plot

Barium, MW-10 (mg/L)



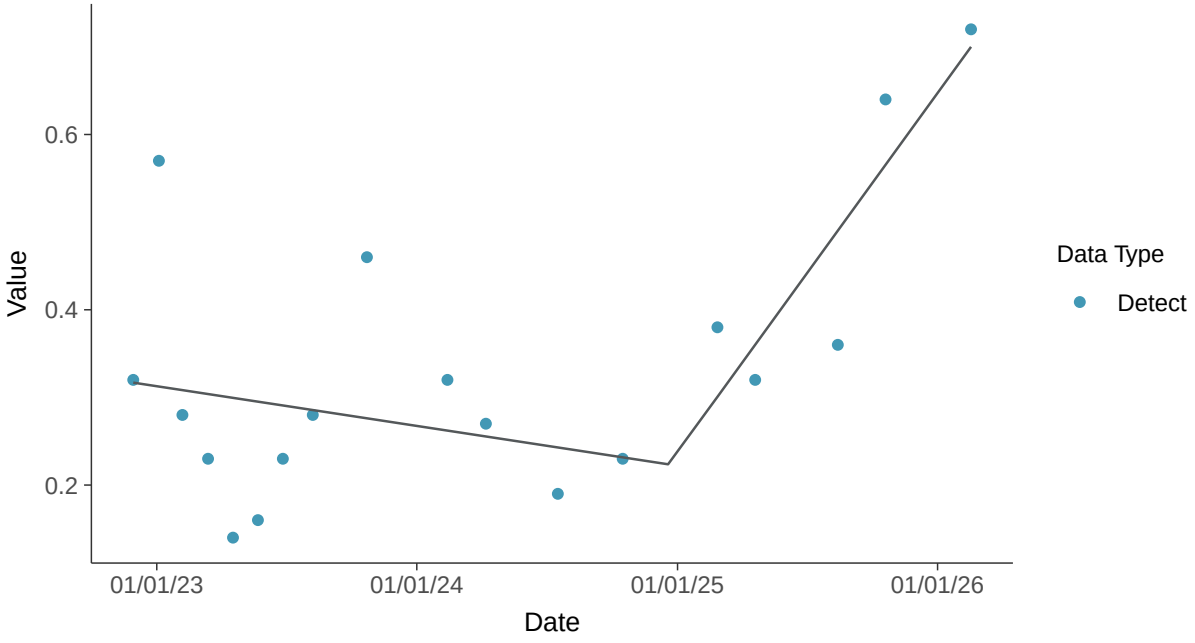
Trend Regression: Lognormal MLE

Barium, MW-10 (mg/L)



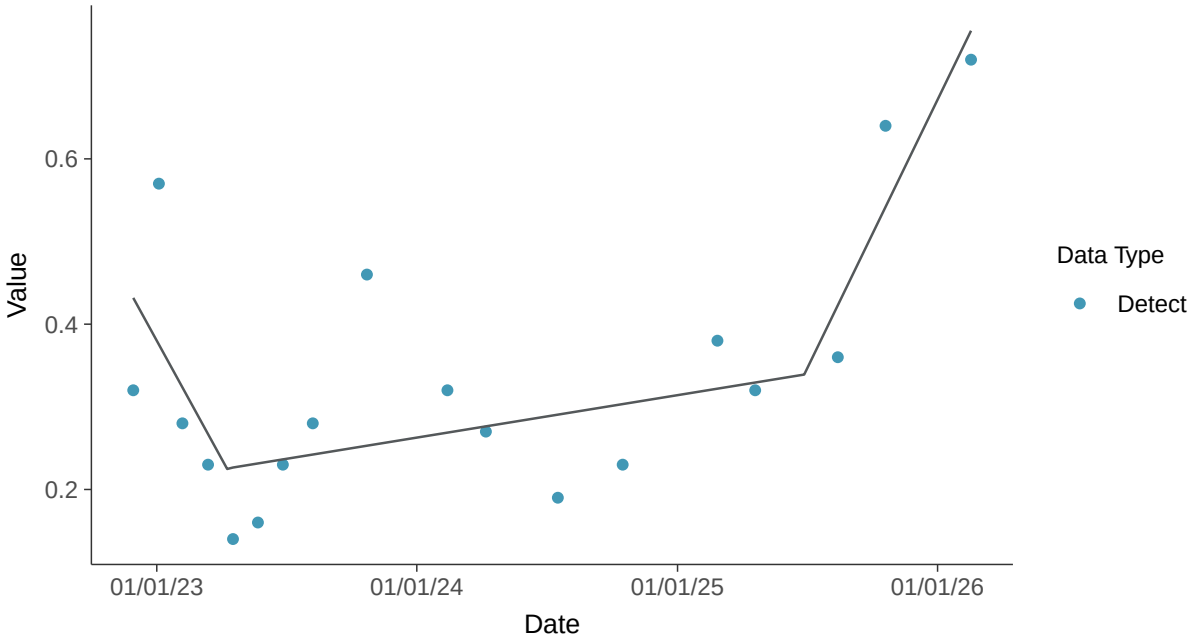
Trend Regression: Piecewise Linear-Linear

Barium, MW-10 (mg/L)



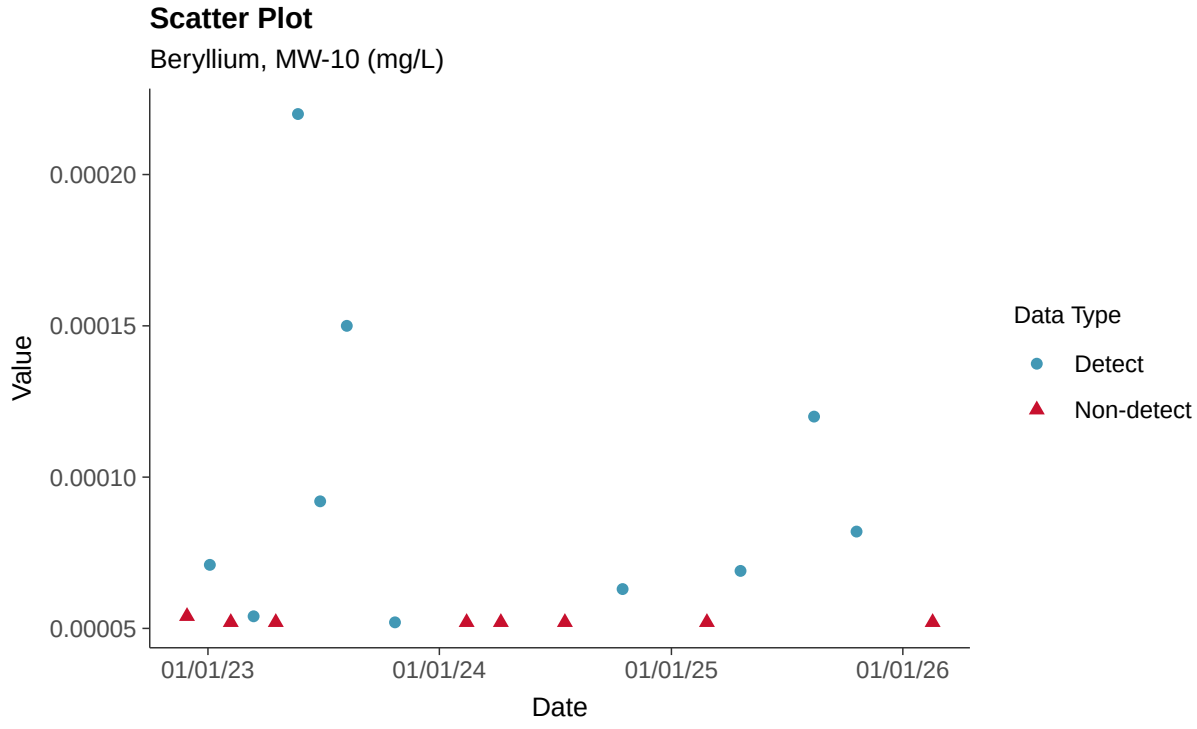
Trend Regression: Piecewise Linear-Linear-Linear

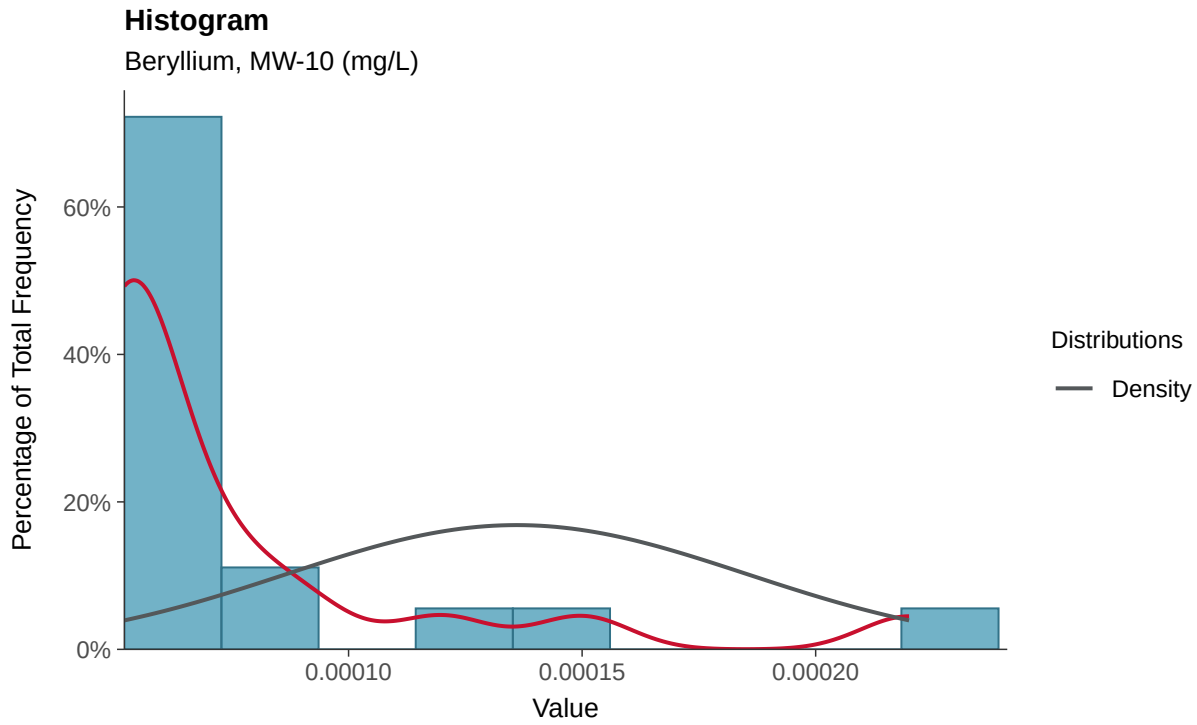
Barium, MW-10 (mg/L)



Appendix IV: Beryllium, MW-10

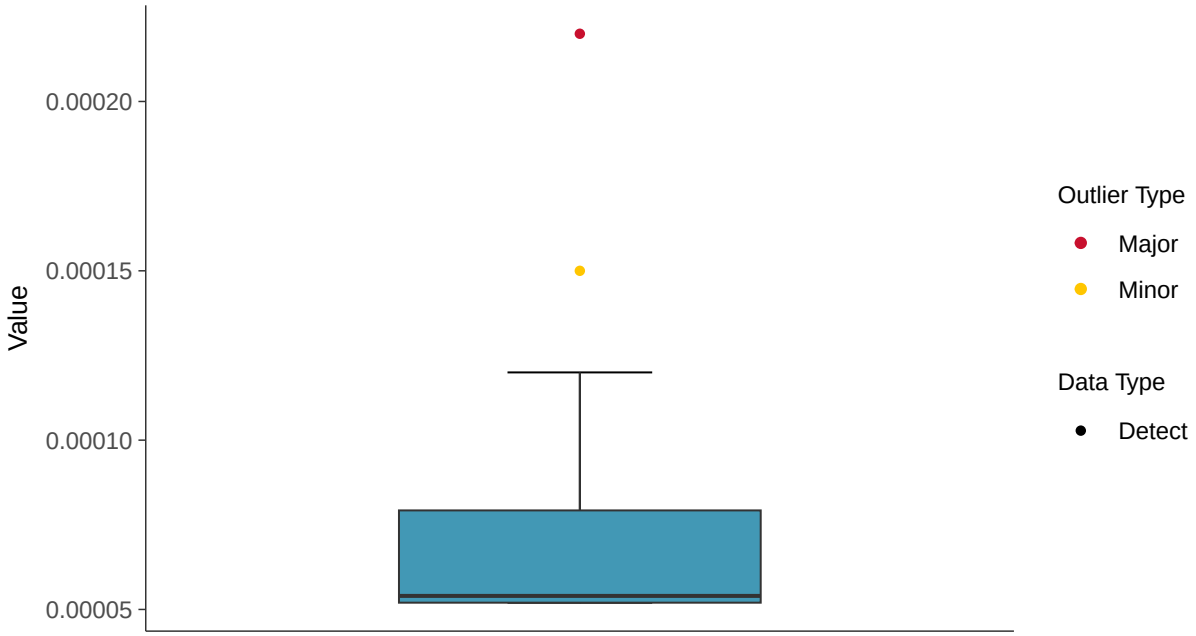
ID: 20_3_4_104





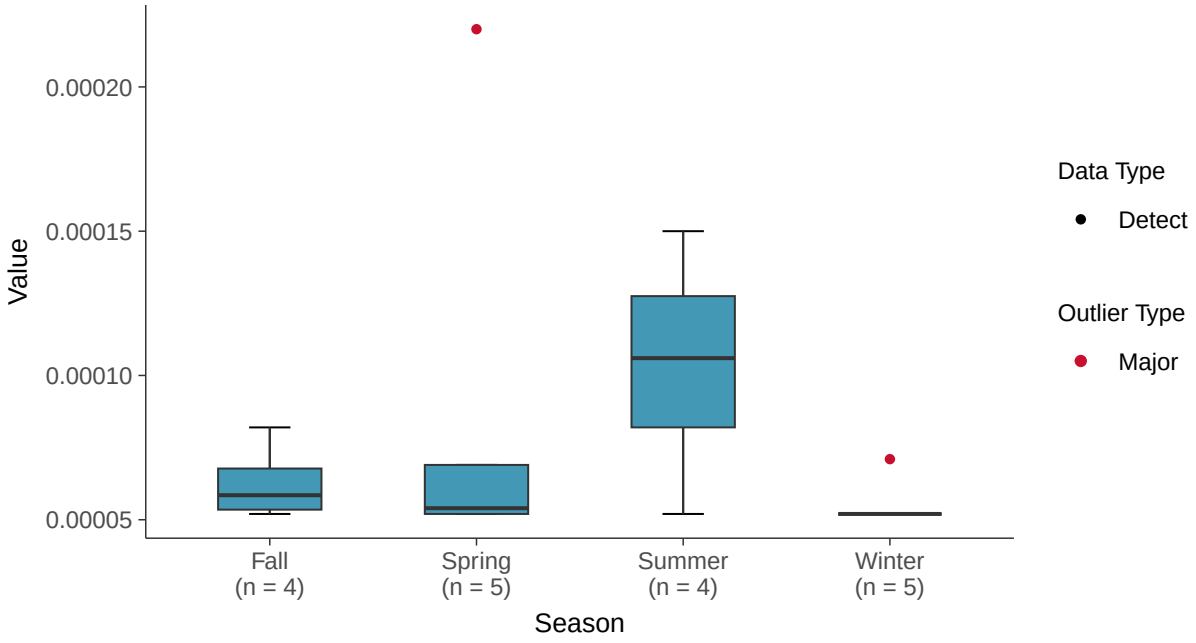
Boxplot

Beryllium, MW-10 (mg/L)



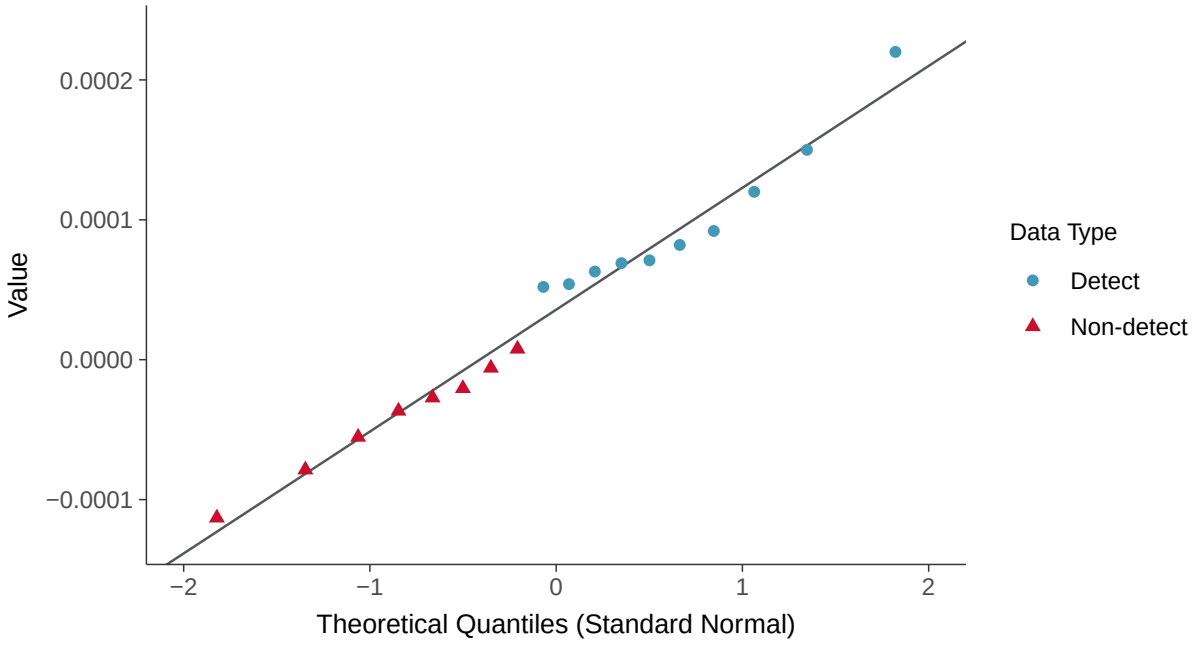
Boxplot by Season

Beryllium, MW-10 (mg/L)



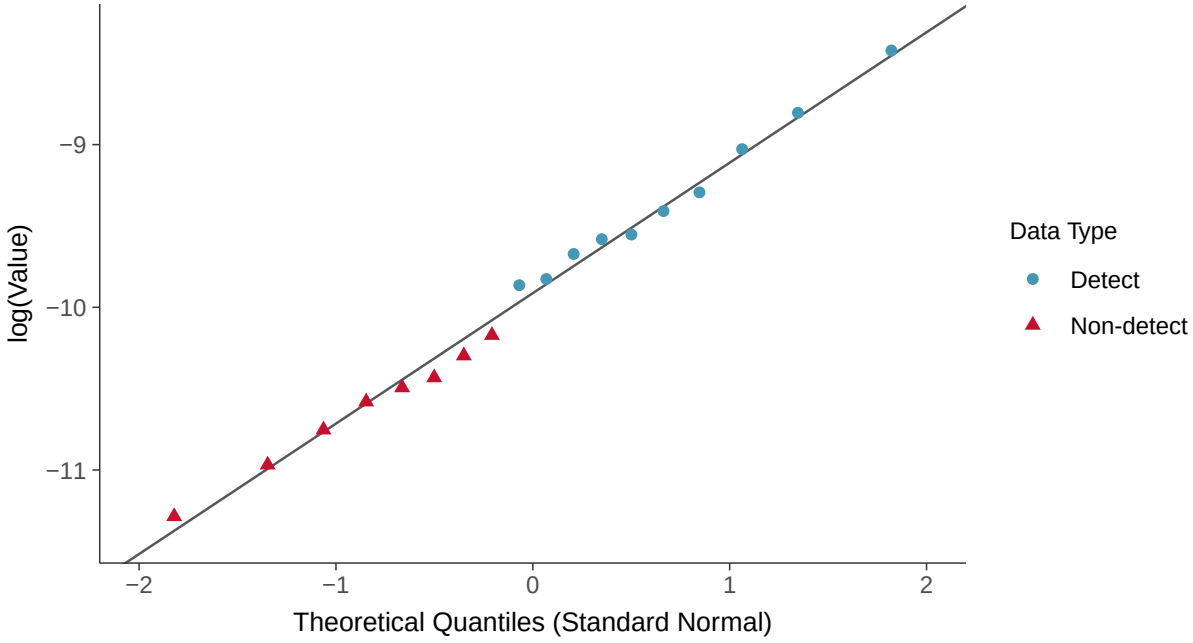
Normal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-10 (mg/L)



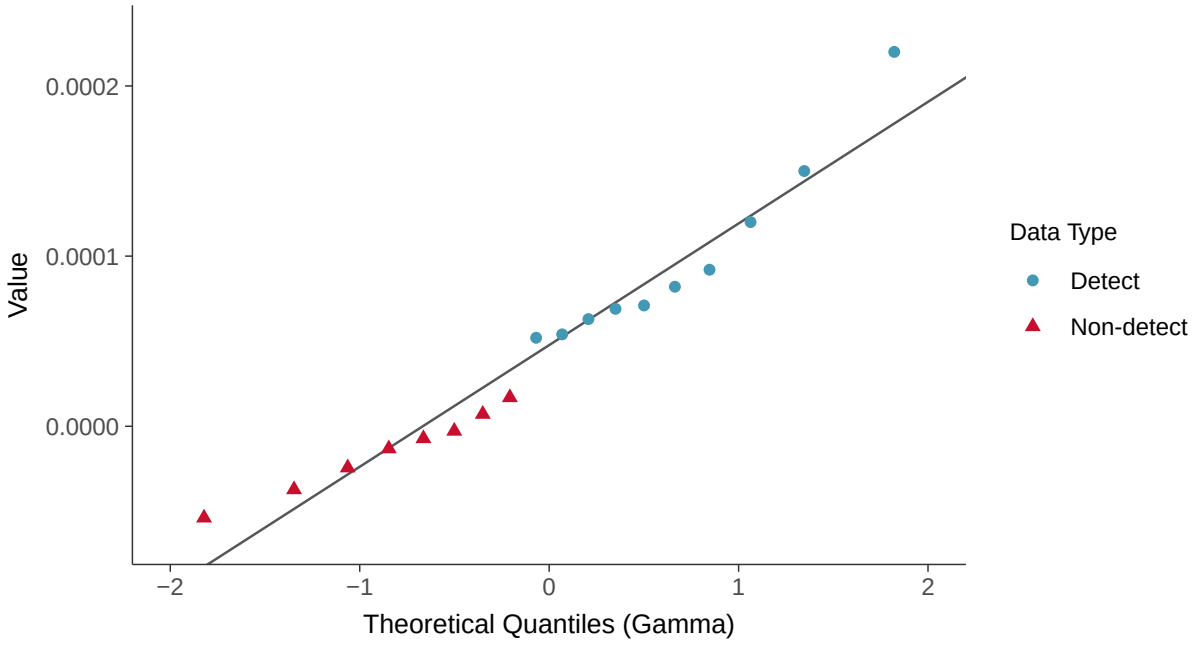
Lognormal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-10 (mg/L)



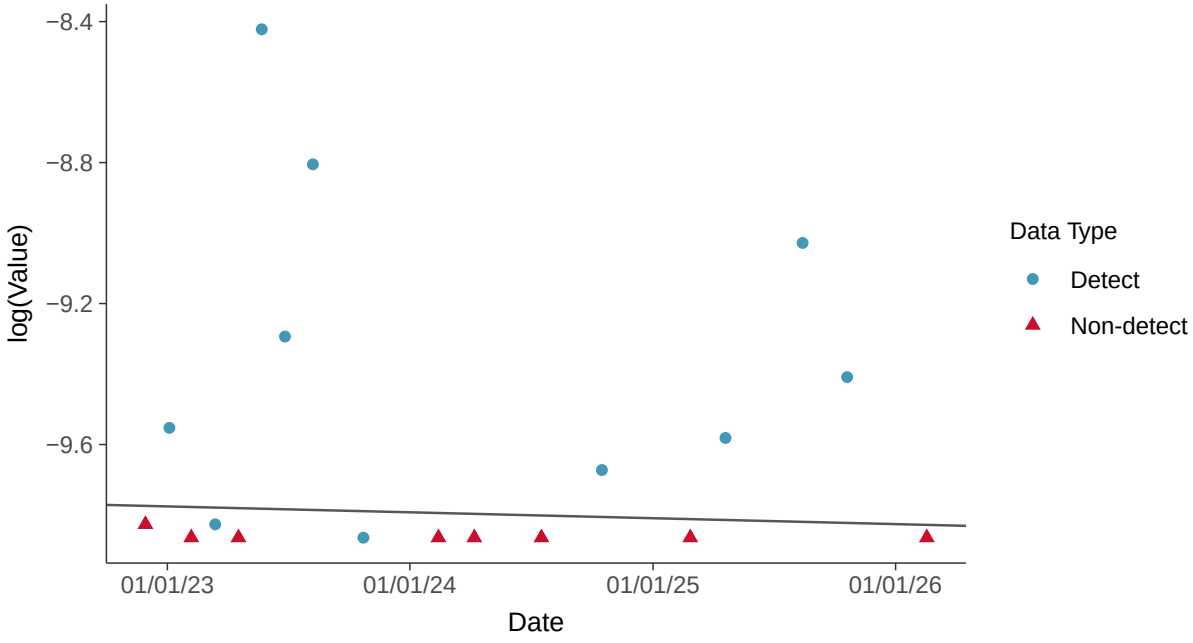
Gamma Q-Q plot using ROS Imputed Estimates

Beryllium, MW-10 (mg/L)



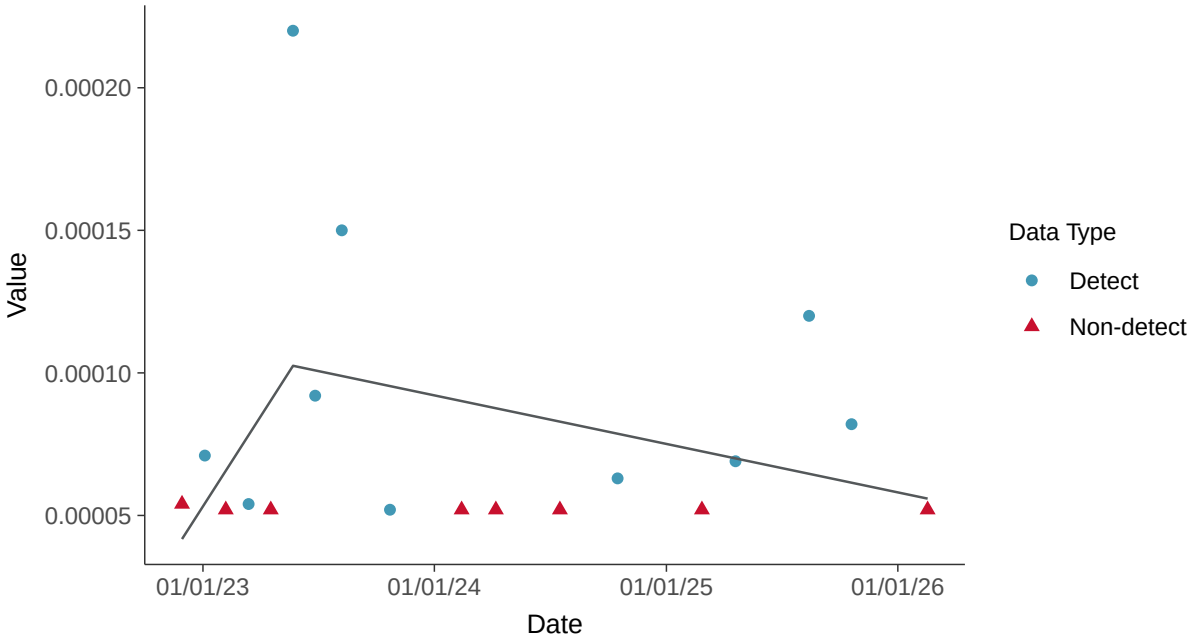
Trend Regression: Lognormal MLE

Beryllium, MW-10 (mg/L)



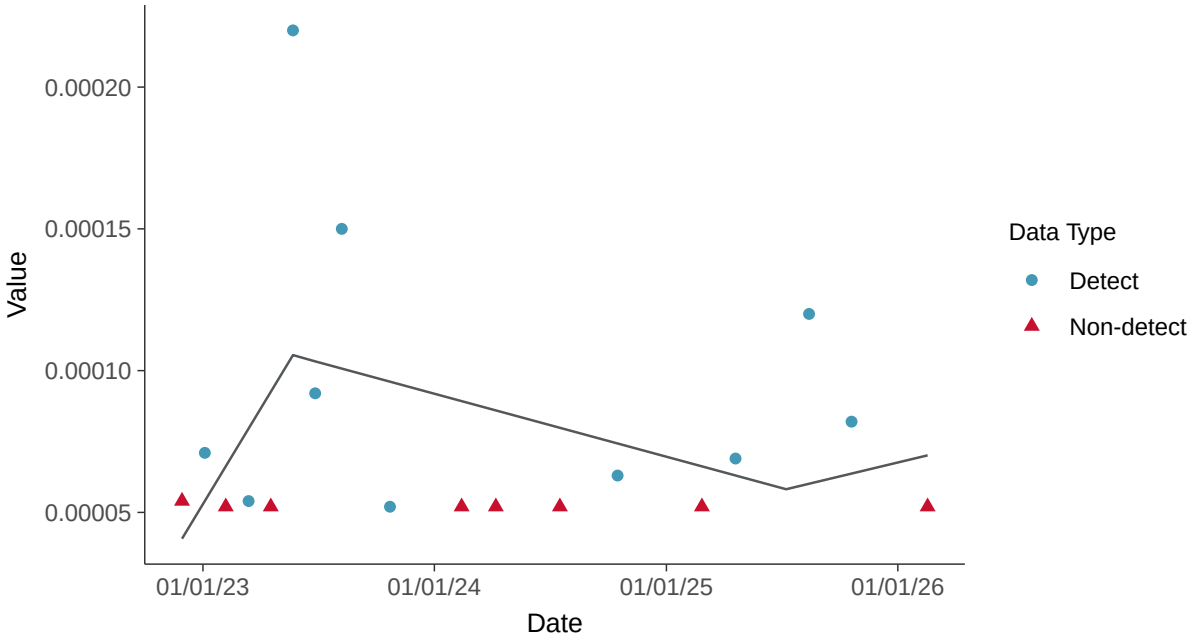
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-10 (mg/L)



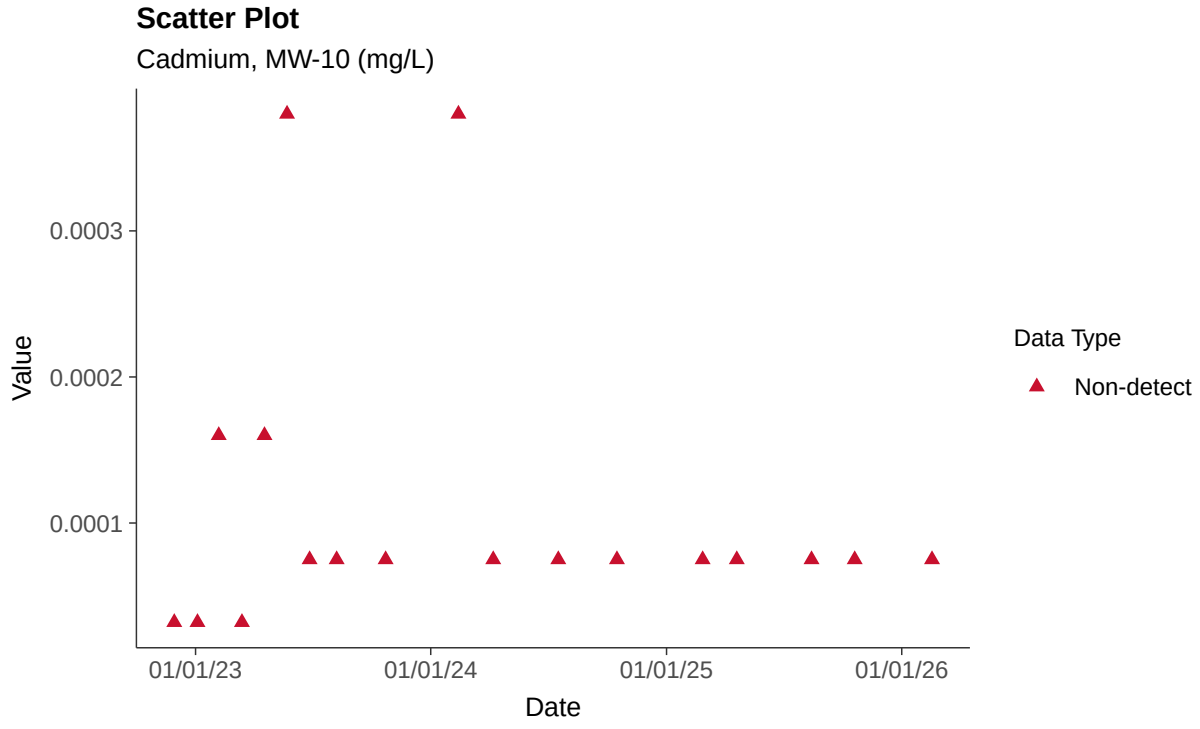
Trend Regression: Piecewise Linear-Linear-Linear

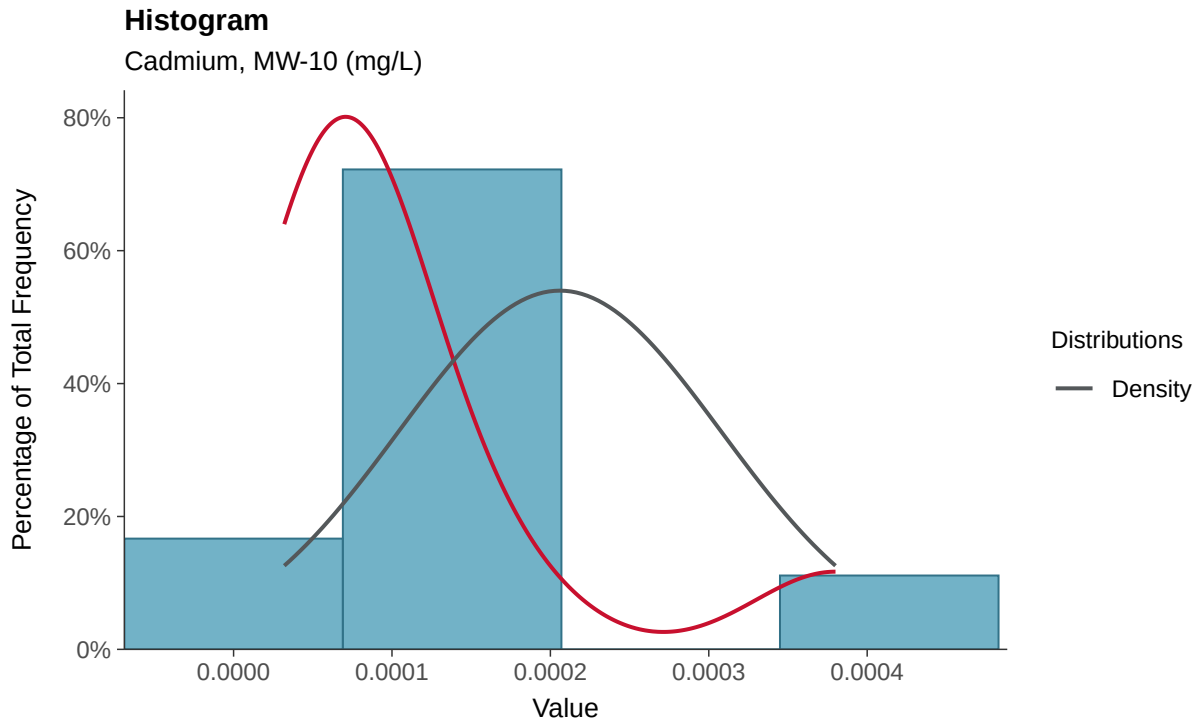
Beryllium, MW-10 (mg/L)



Appendix IV: Cadmium, MW-10

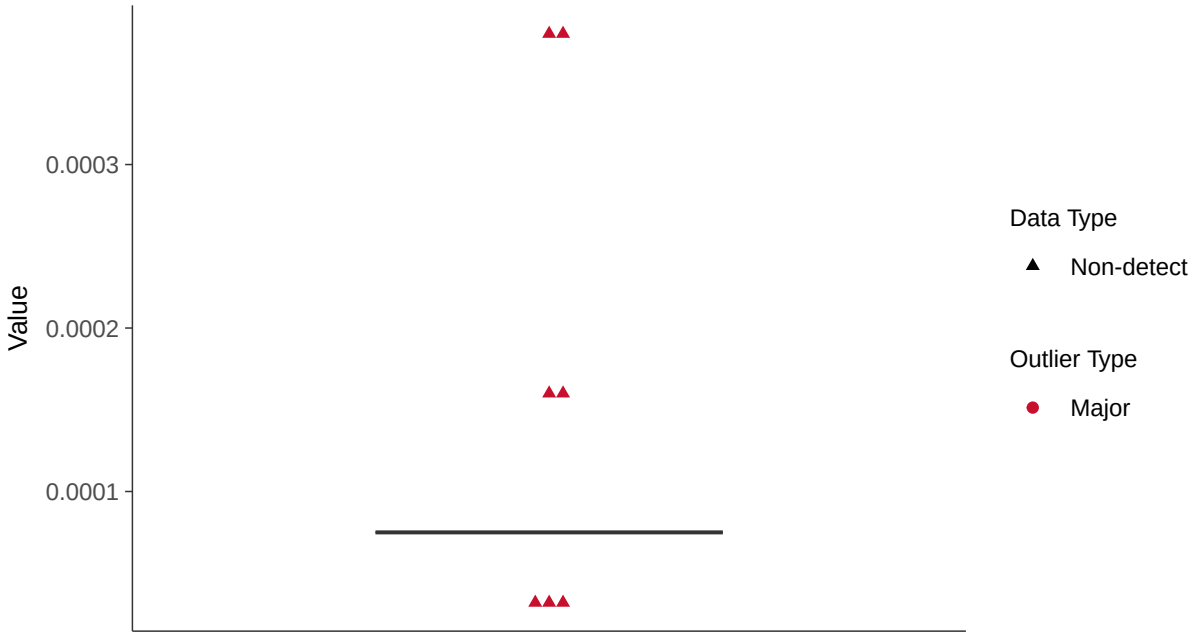
ID: 20_3_4_106





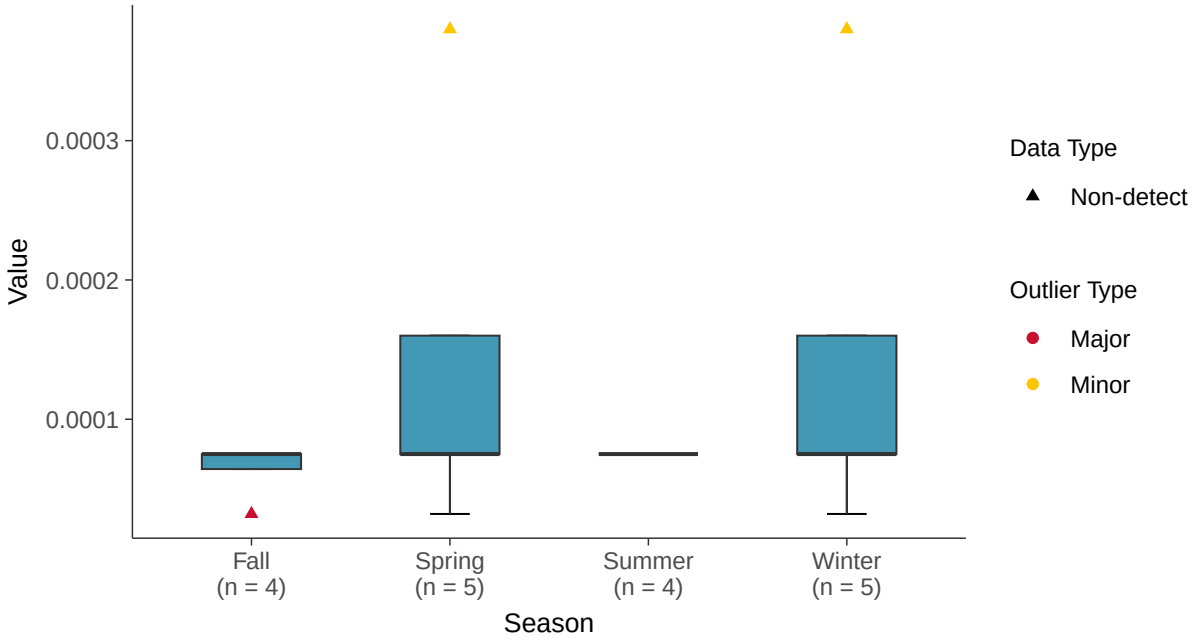
Boxplot

Cadmium, MW-10 (mg/L)



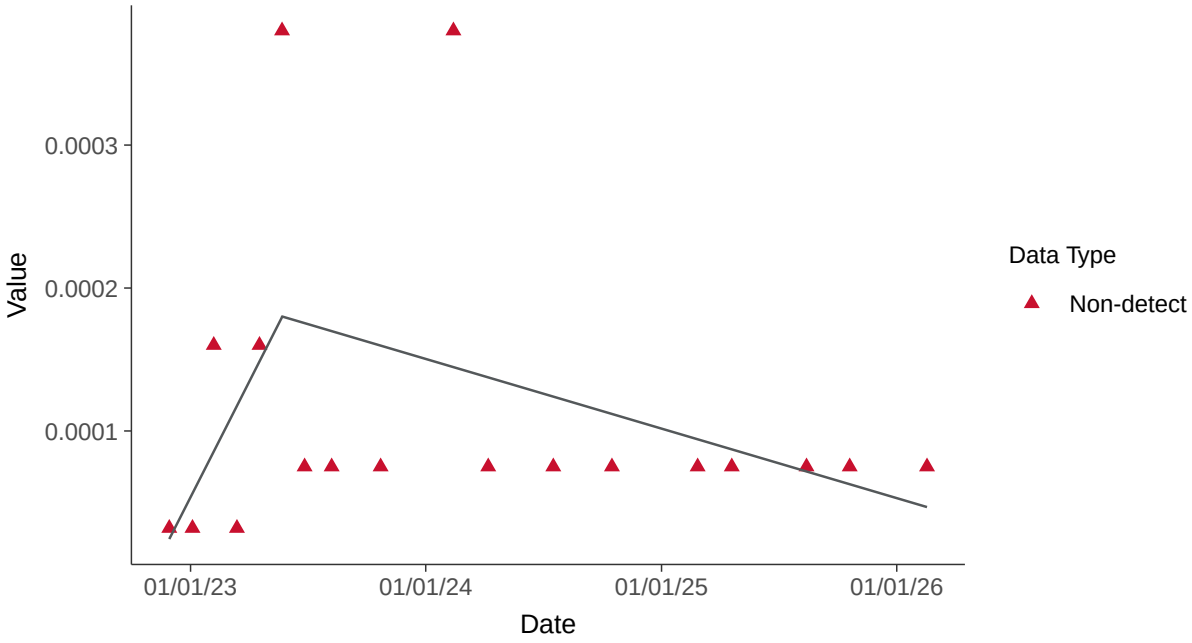
Boxplot by Season

Cadmium, MW-10 (mg/L)



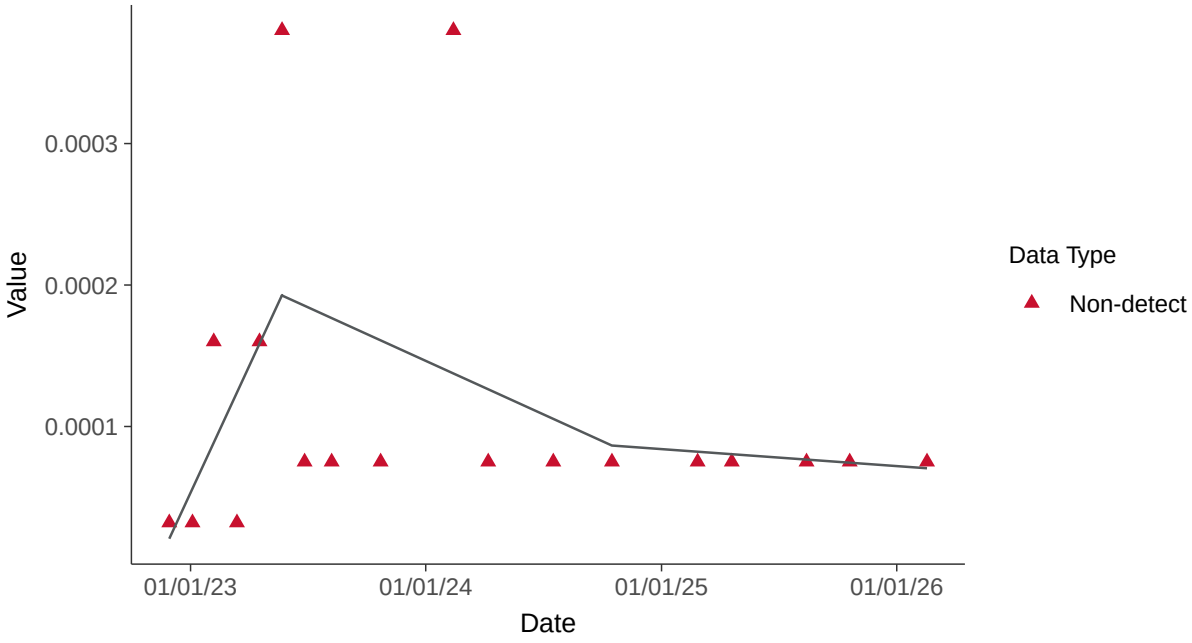
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-10 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Cadmium, MW-10 (mg/L)

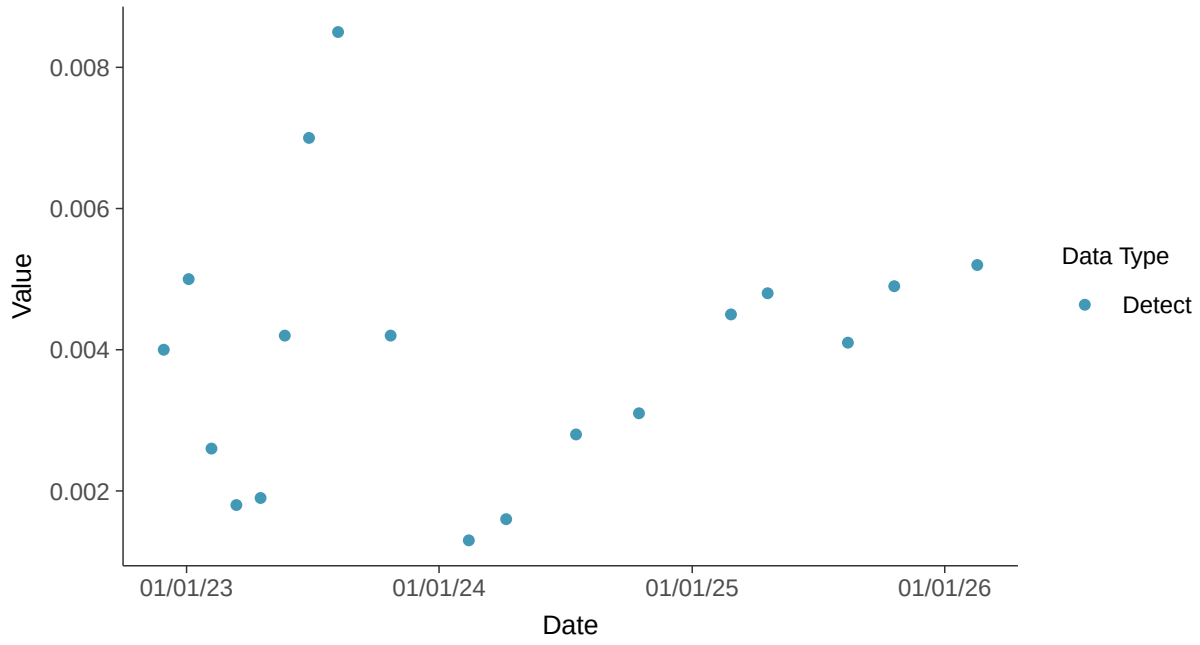


Appendix IV: Chromium, Total, MW-10

ID: 20_3_4_109

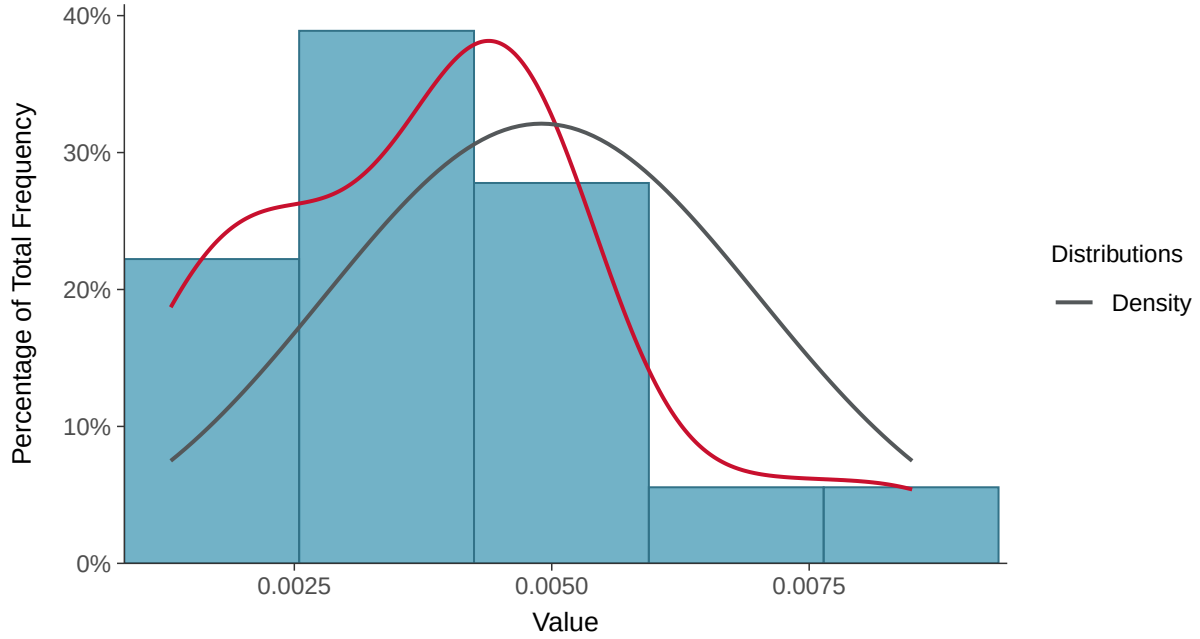
Scatter Plot

Chromium, Total, MW-10 (mg/L)



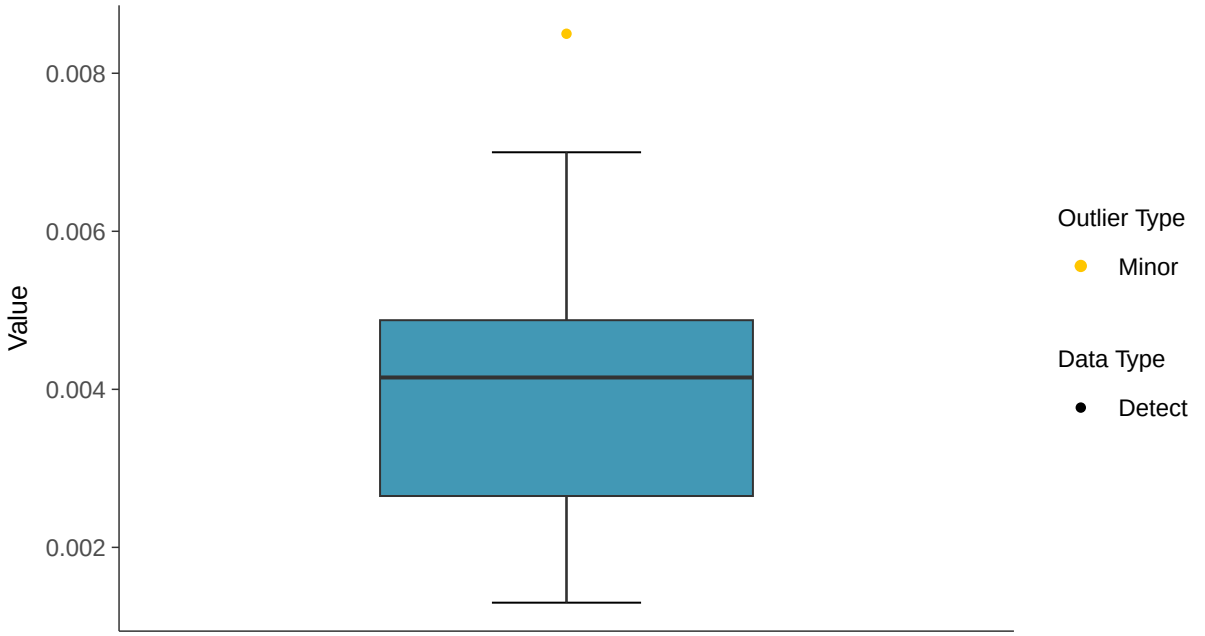
Histogram

Chromium, Total, MW-10 (mg/L)



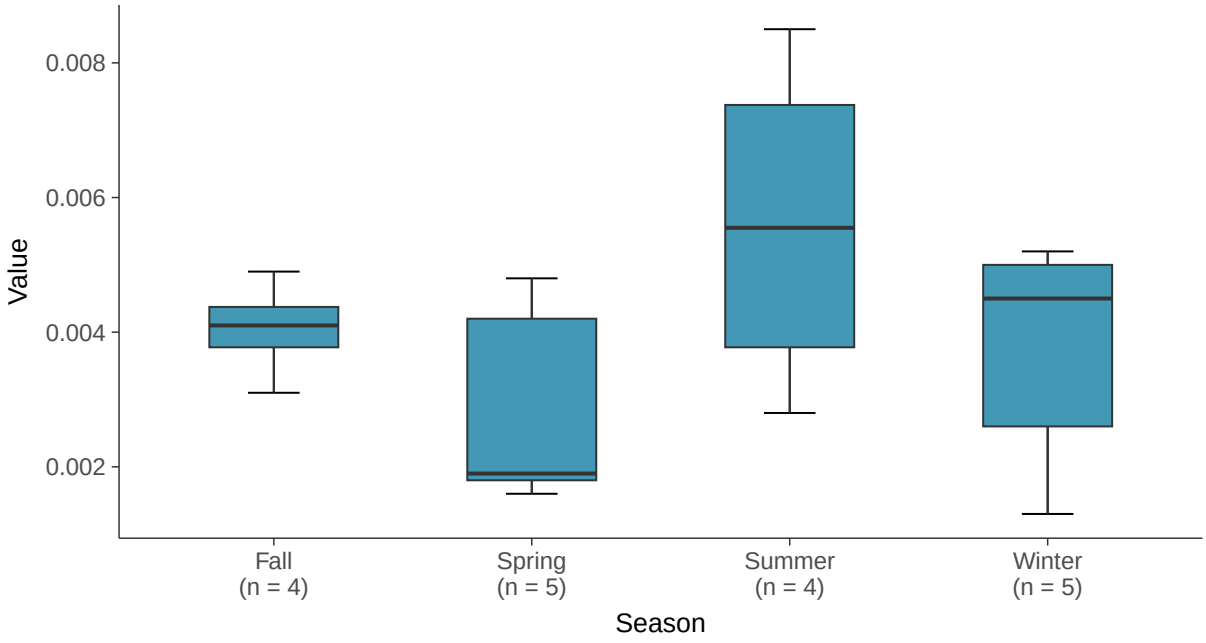
Boxplot

Chromium, Total, MW-10 (mg/L)



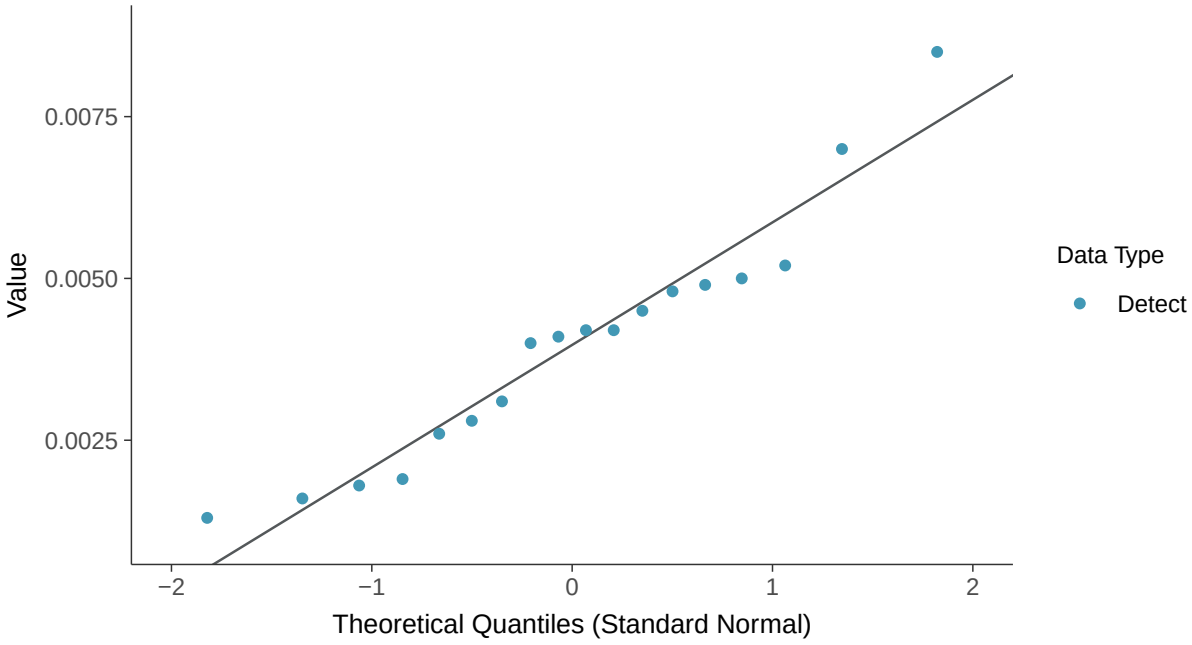
Boxplot by Season

Chromium, Total, MW-10 (mg/L)



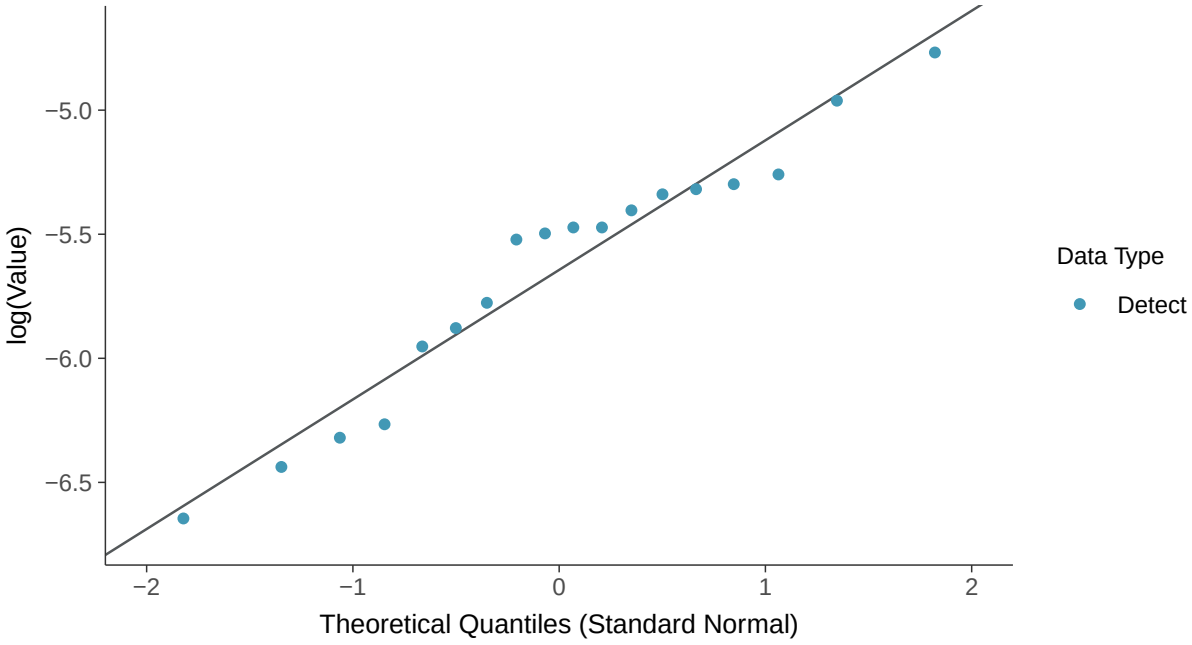
Normal Q-Q plot

Chromium, Total, MW-10 (mg/L)



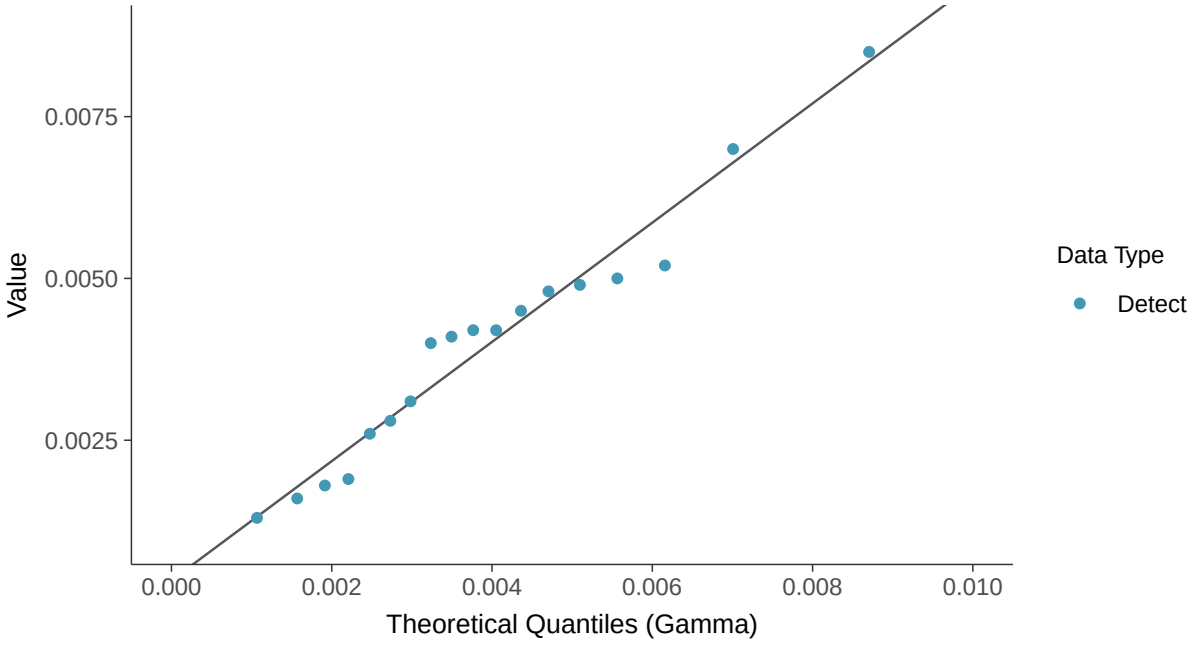
Lognormal Q-Q plot

Chromium, Total, MW-10 (mg/L)



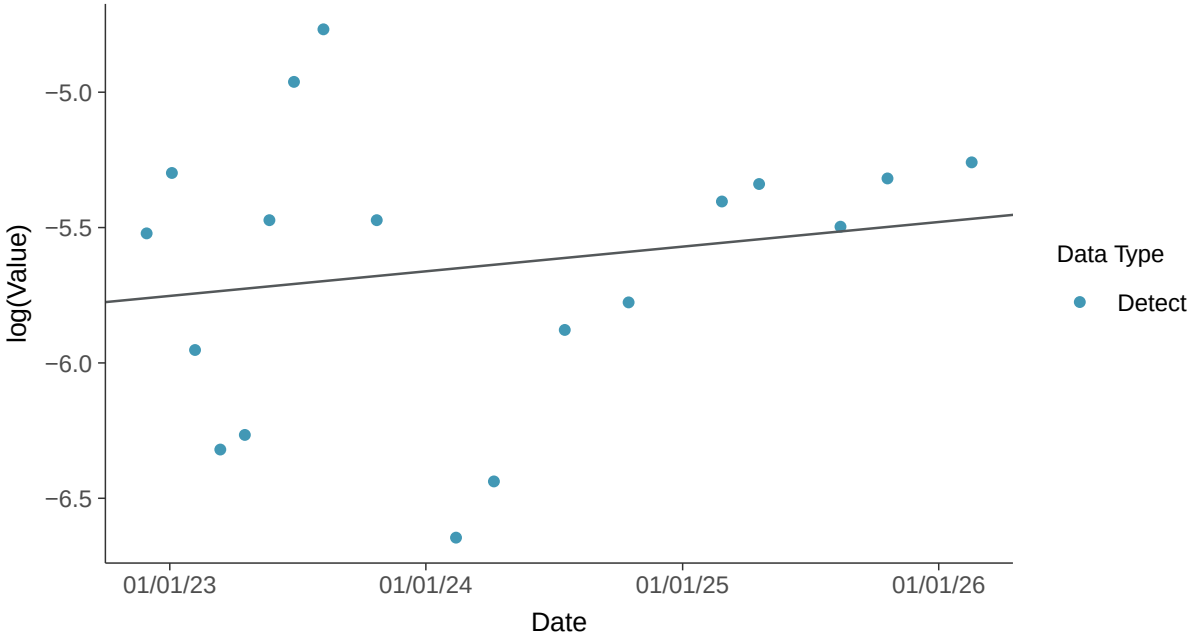
Gamma Q-Q plot

Chromium, Total, MW-10 (mg/L)



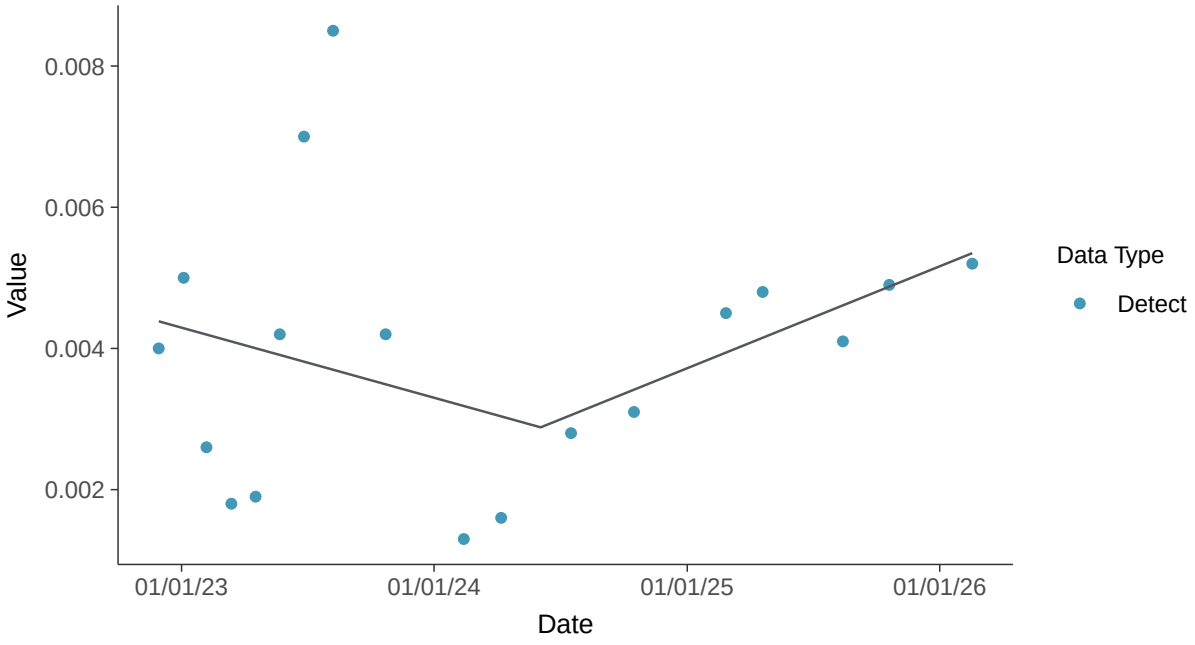
Trend Regression: Lognormal MLE

Chromium, Total, MW-10 (mg/L)



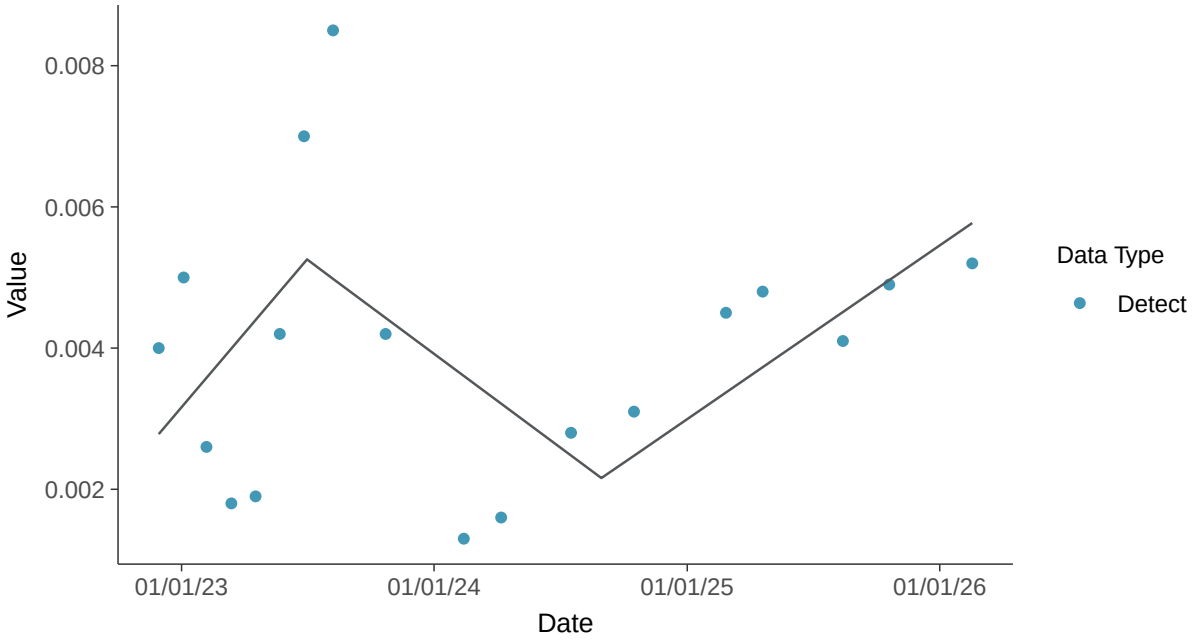
Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-10 (mg/L)



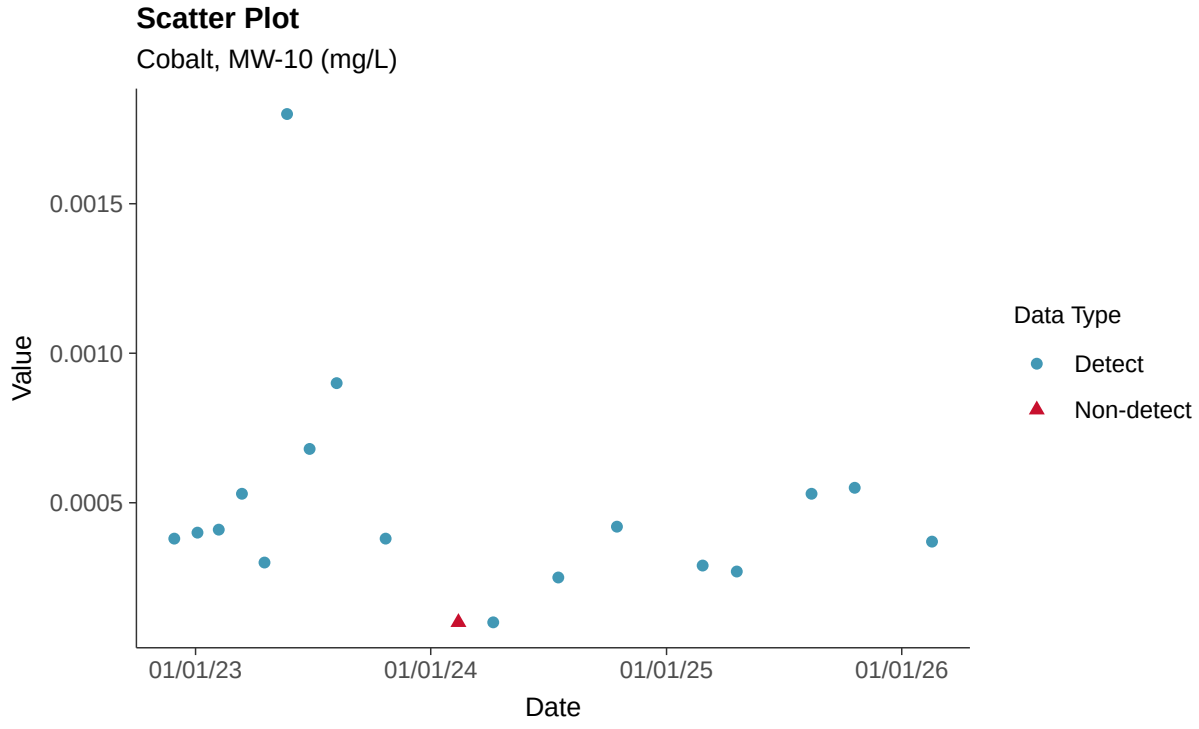
Trend Regression: Piecewise Linear-Linear-Linear

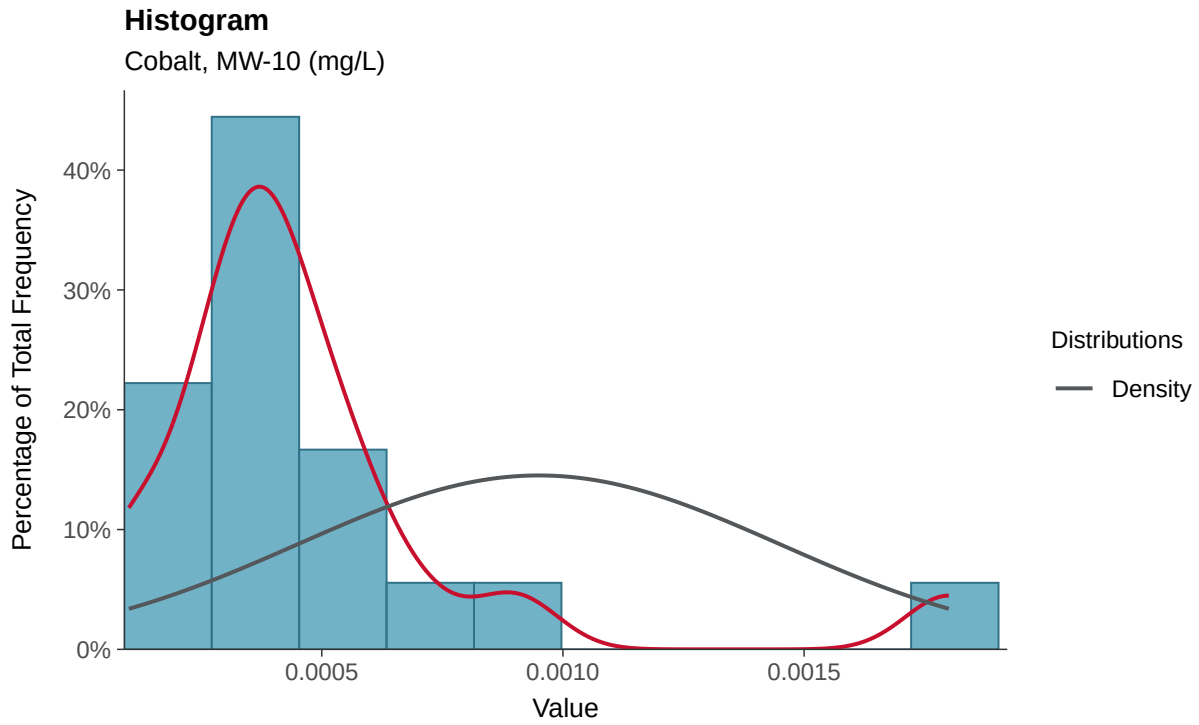
Chromium, Total, MW-10 (mg/L)



Appendix IV: Cobalt, MW-10

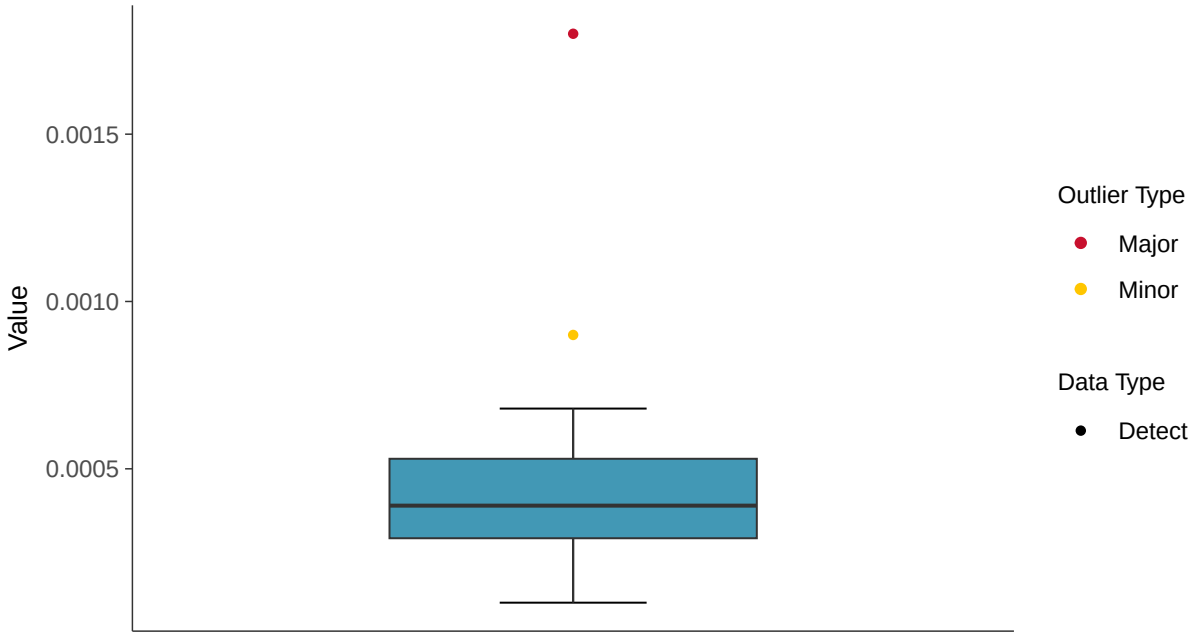
ID: 20_3_4_110





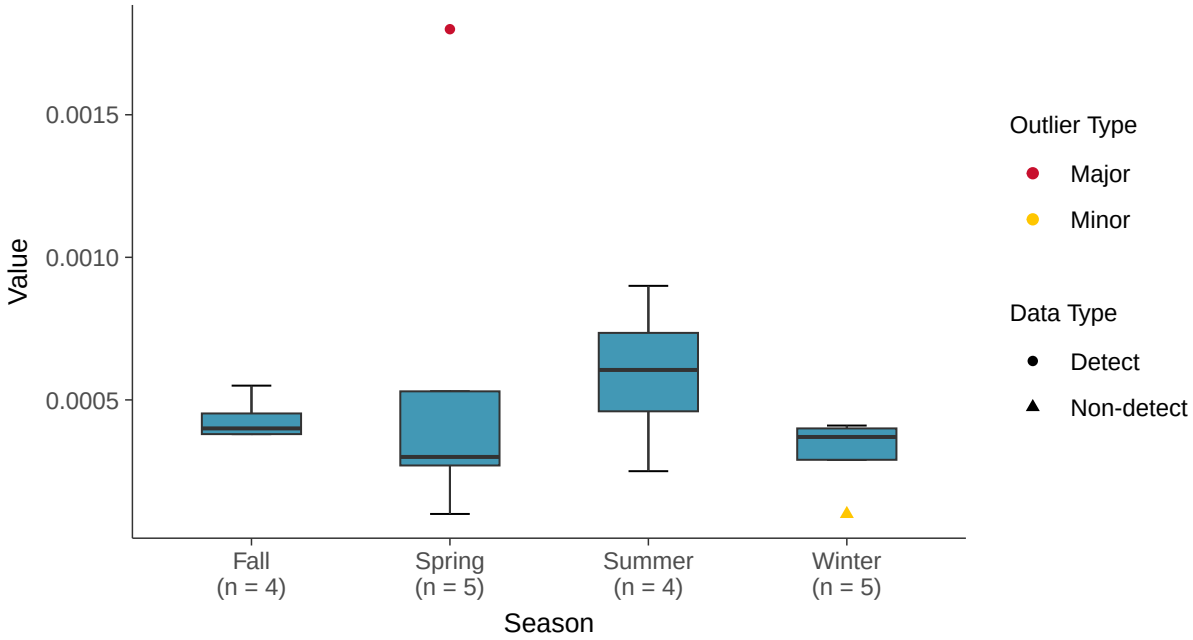
Boxplot

Cobalt, MW-10 (mg/L)



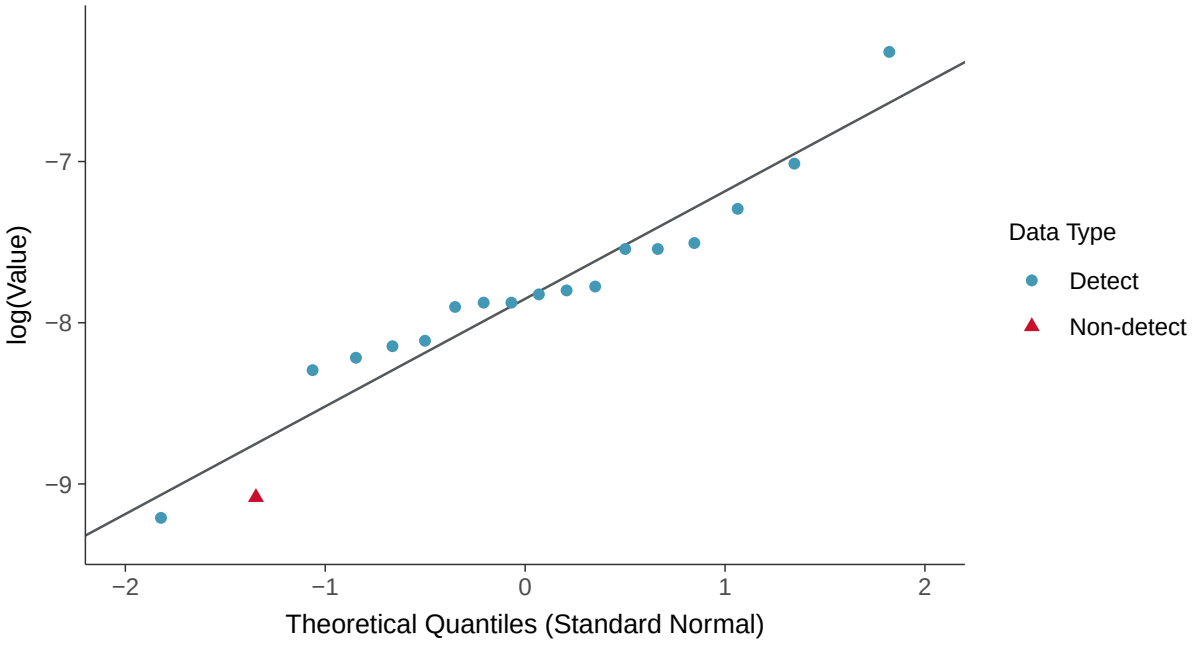
Boxplot by Season

Cobalt, MW-10 (mg/L)



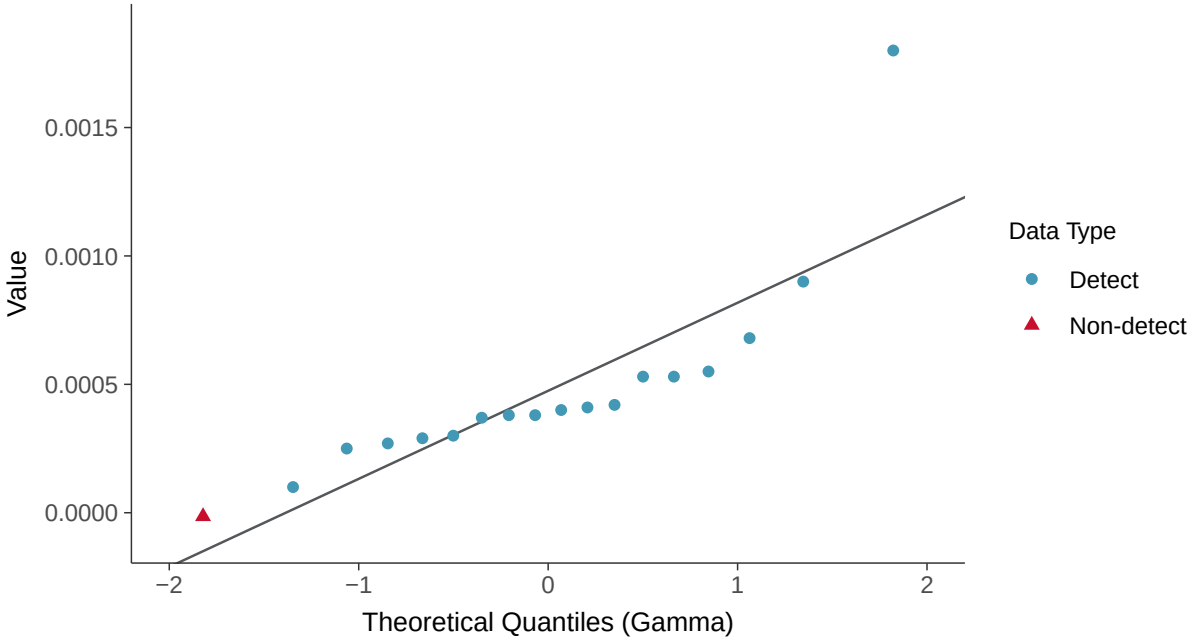
Lognormal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-10 (mg/L)



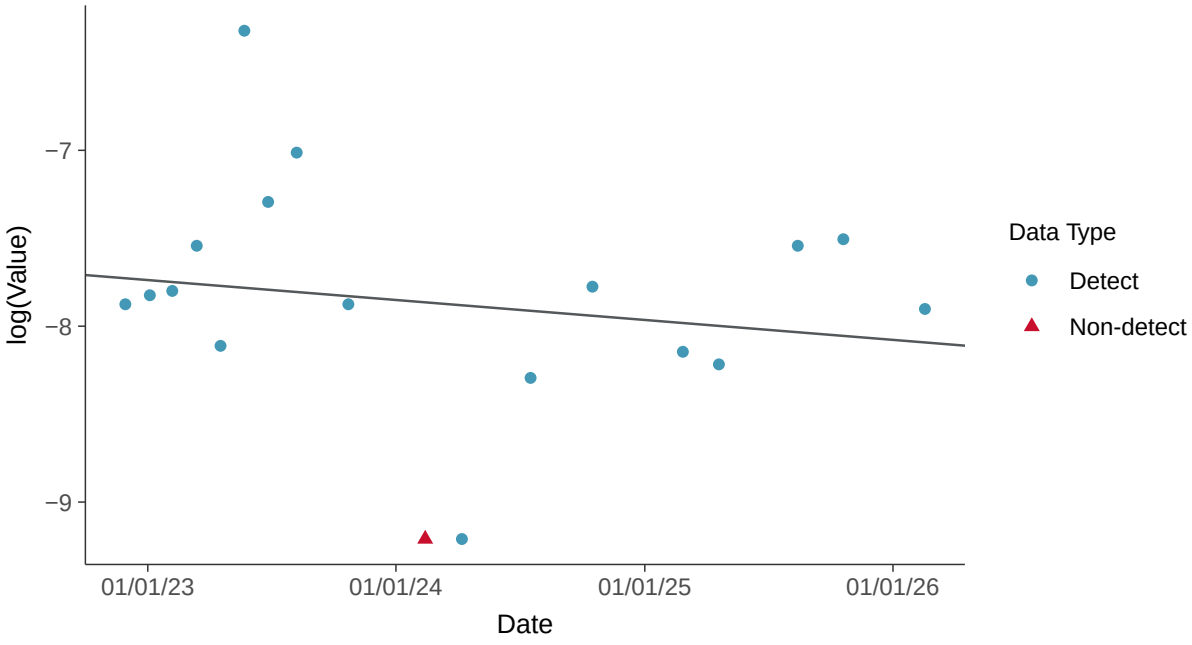
Gamma Q-Q plot using ROS Imputed Estimates

Cobalt, MW-10 (mg/L)



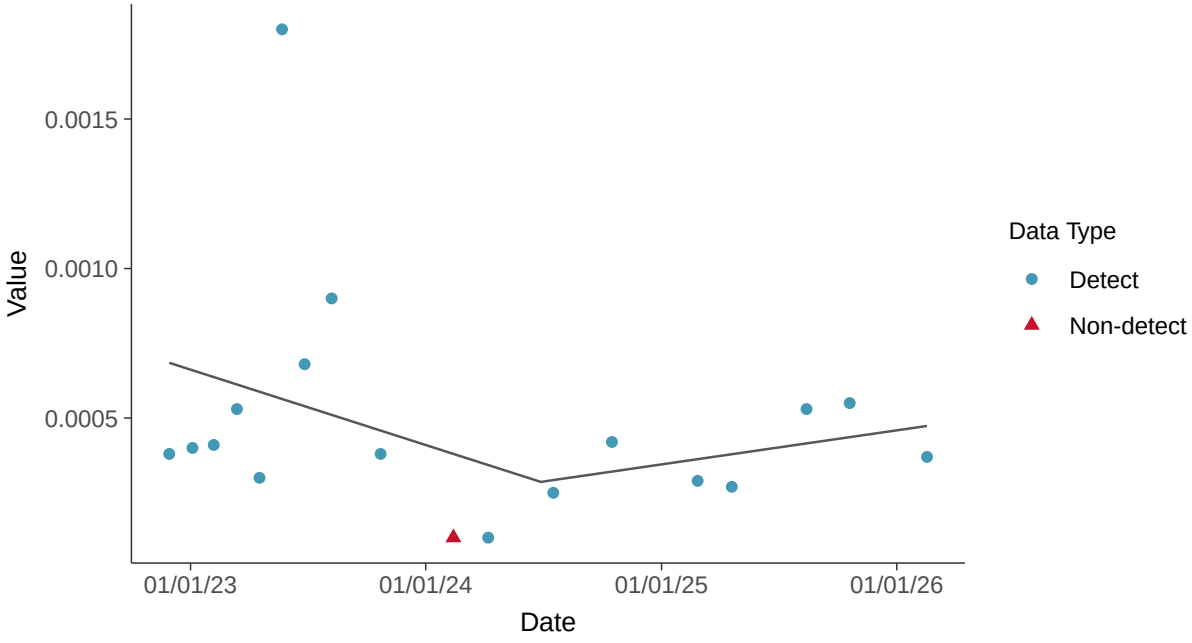
Trend Regression: Lognormal MLE

Cobalt, MW-10 (mg/L)



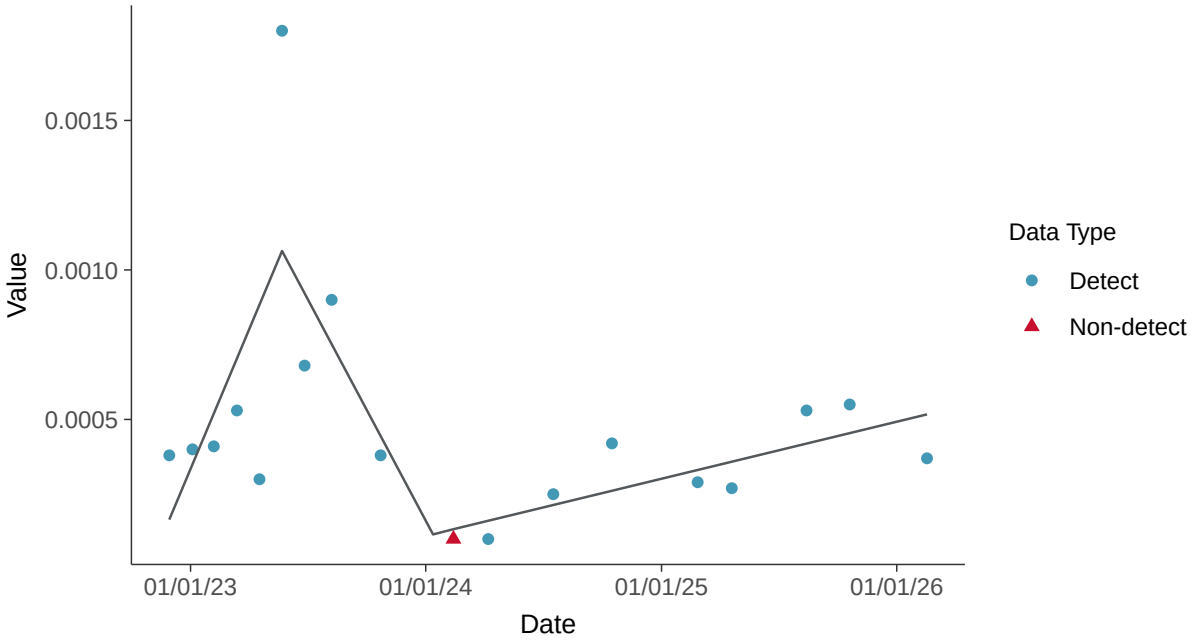
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-10 (mg/L)



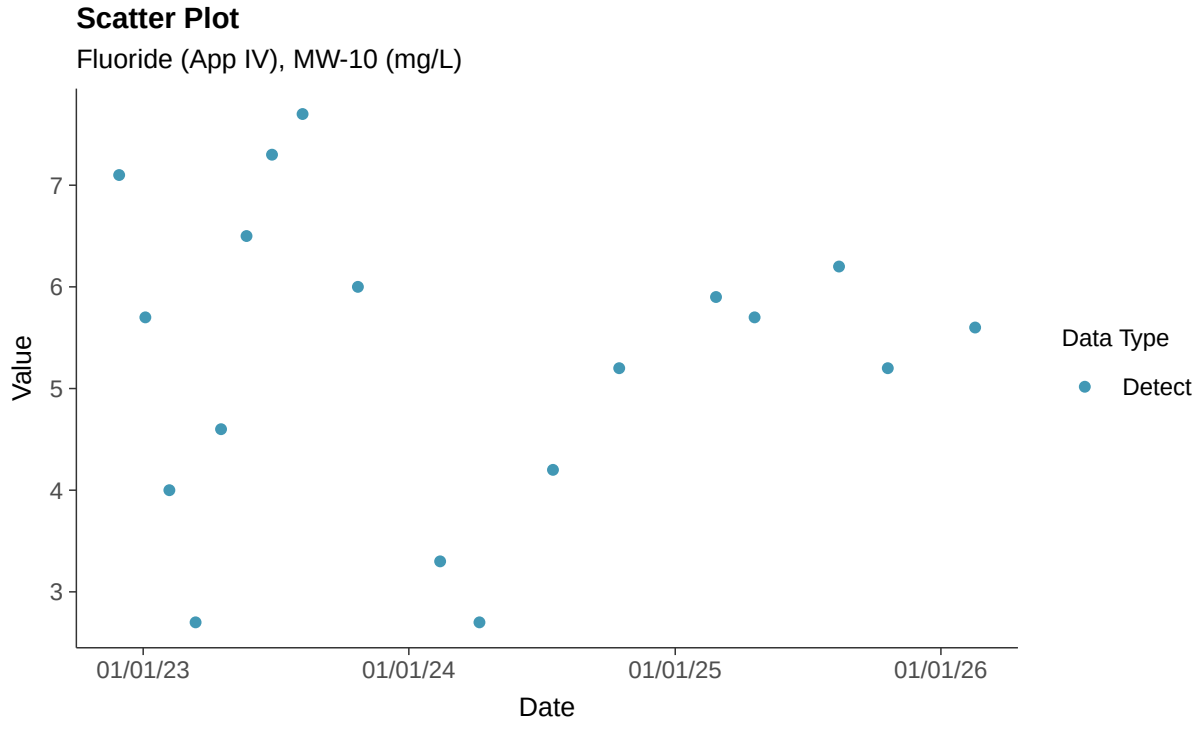
Trend Regression: Piecewise Linear-Linear-Linear

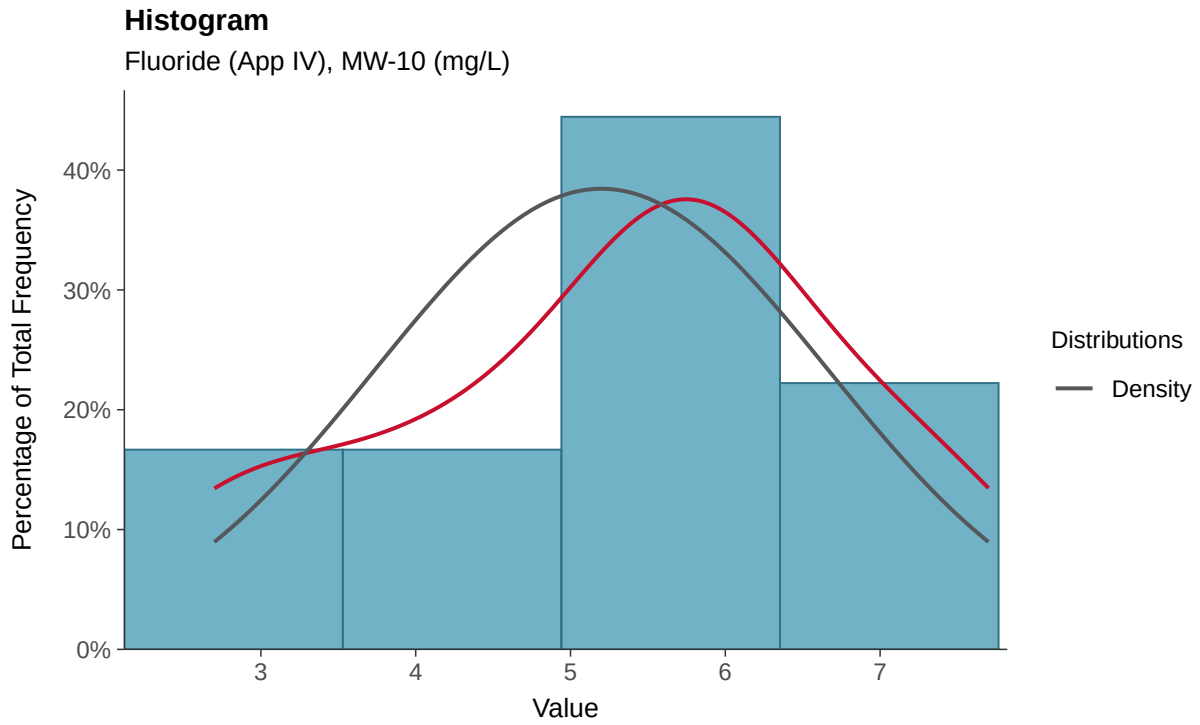
Cobalt, MW-10 (mg/L)



Appendix IV: Fluoride (App IV), MW-10

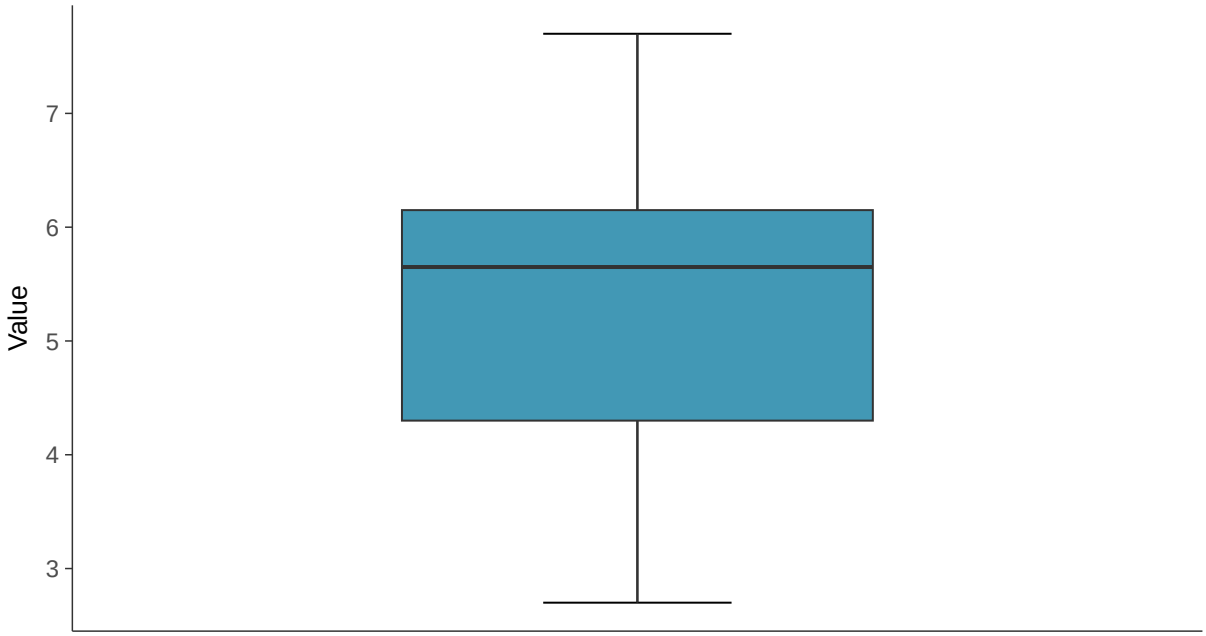
ID: 20_3_4_113





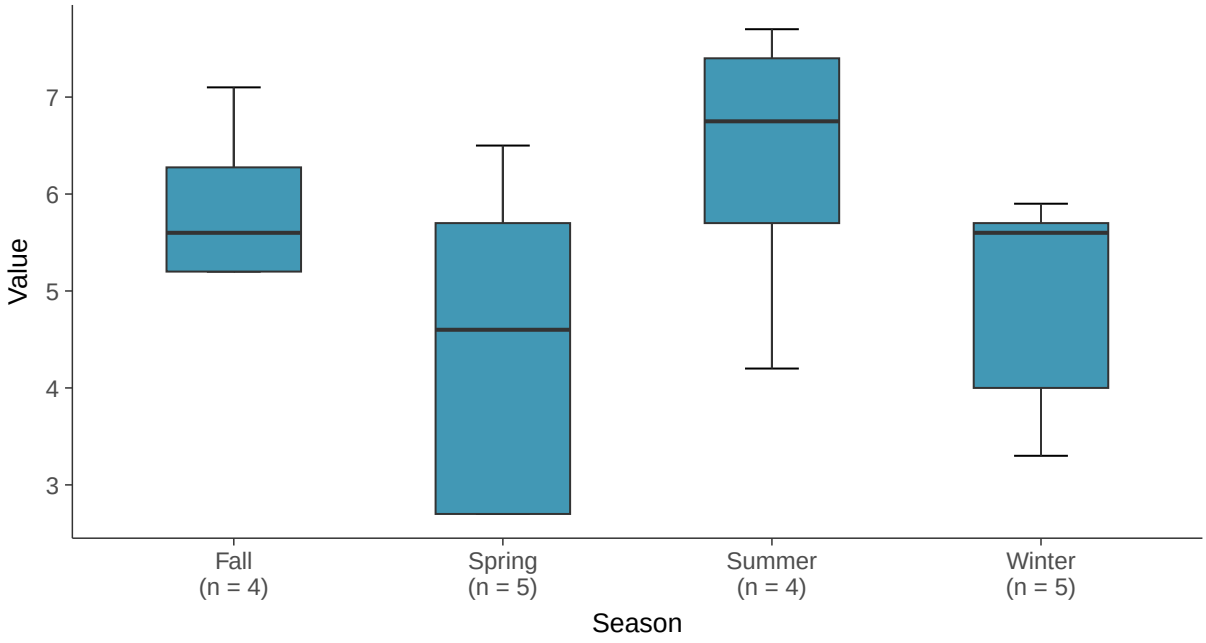
Boxplot

Fluoride (App IV), MW-10 (mg/L)



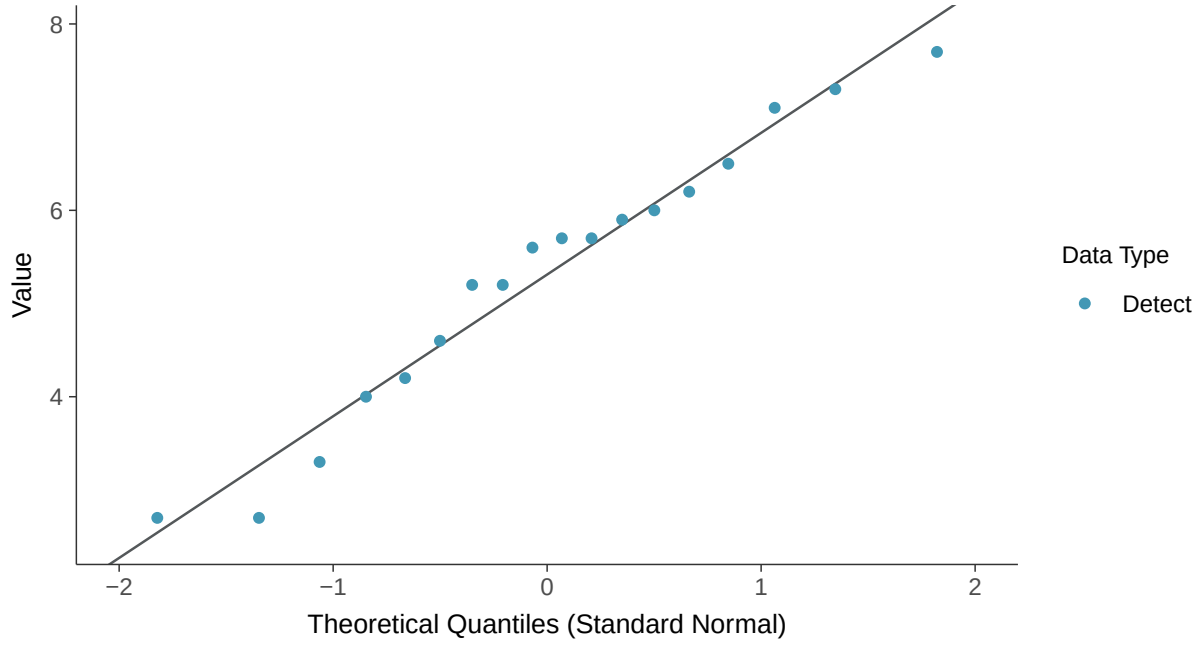
Boxplot by Season

Fluoride (App IV), MW-10 (mg/L)



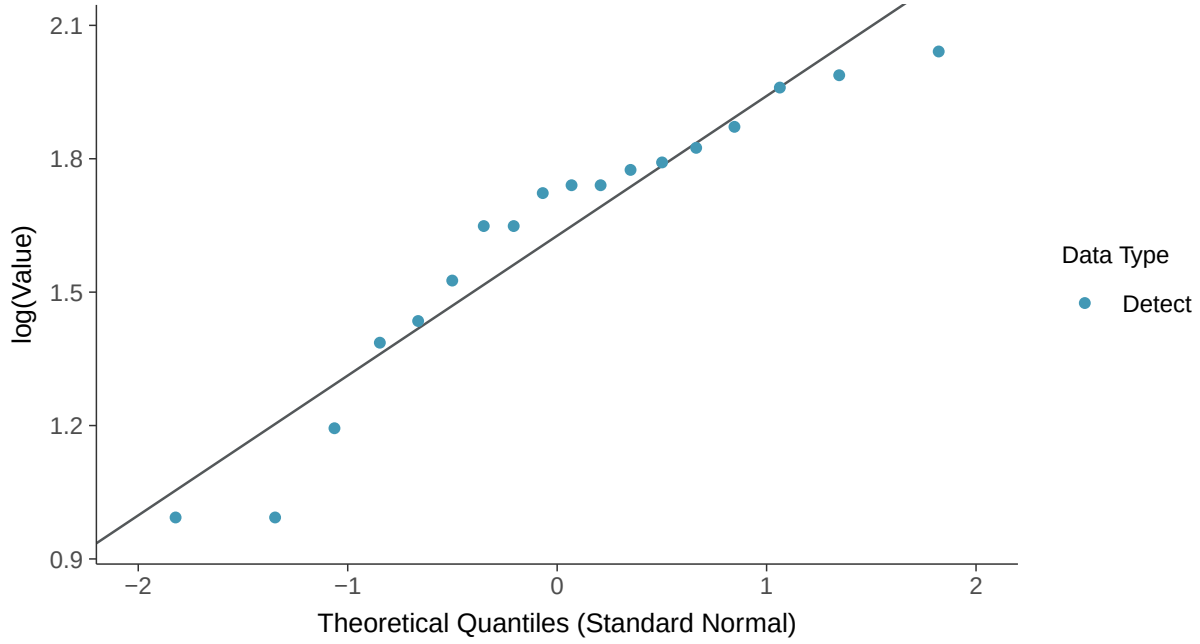
Normal Q-Q plot

Fluoride (App IV), MW-10 (mg/L)



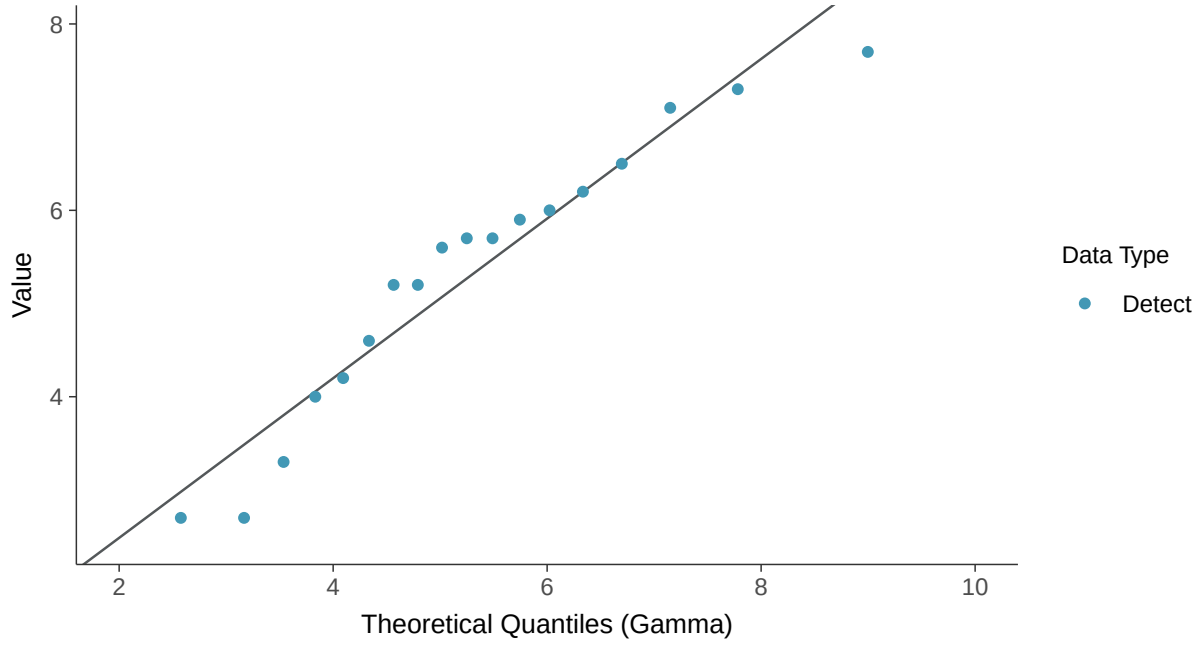
Lognormal Q-Q plot

Fluoride (App IV), MW-10 (mg/L)



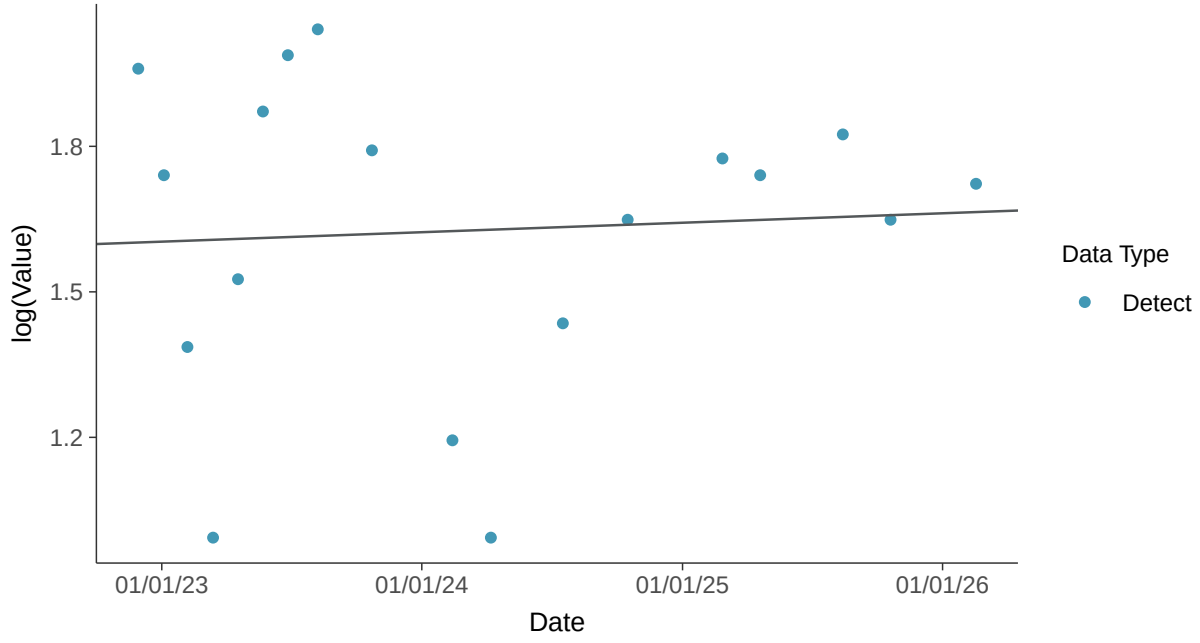
Gamma Q-Q plot

Fluoride (App IV), MW-10 (mg/L)



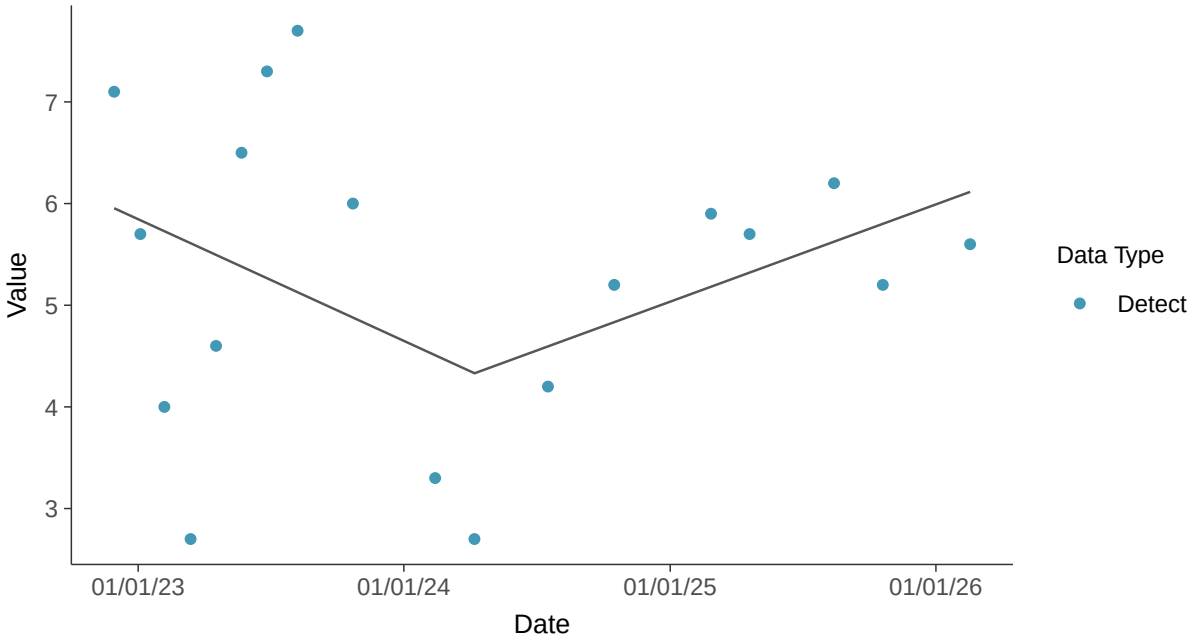
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-10 (mg/L)



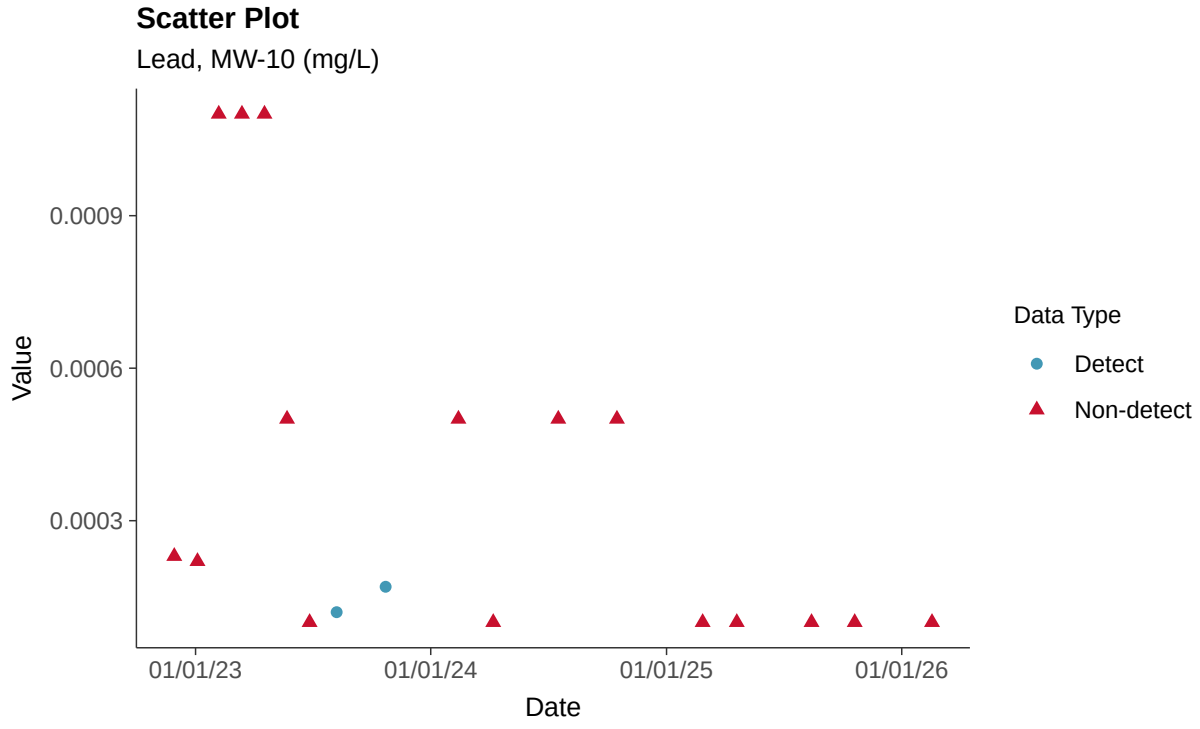
Trend Regression: Piecewise Linear-Linear

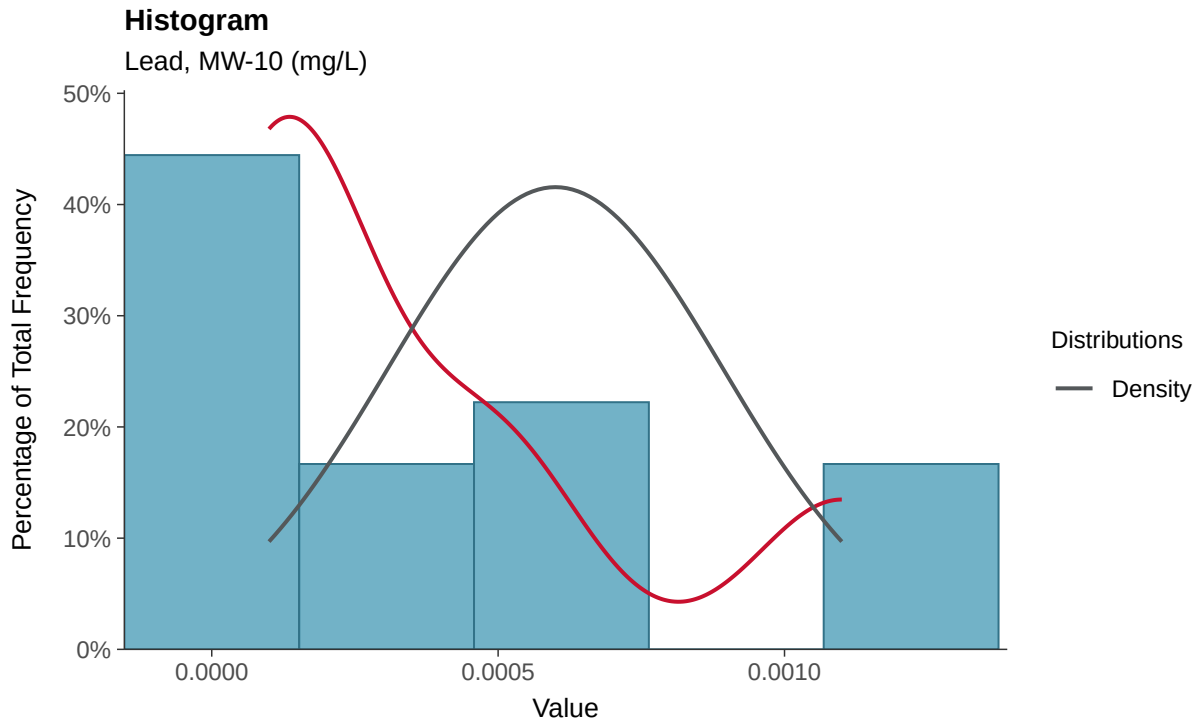
Fluoride (App IV), MW-10 (mg/L)



Appendix IV: Lead, MW-10

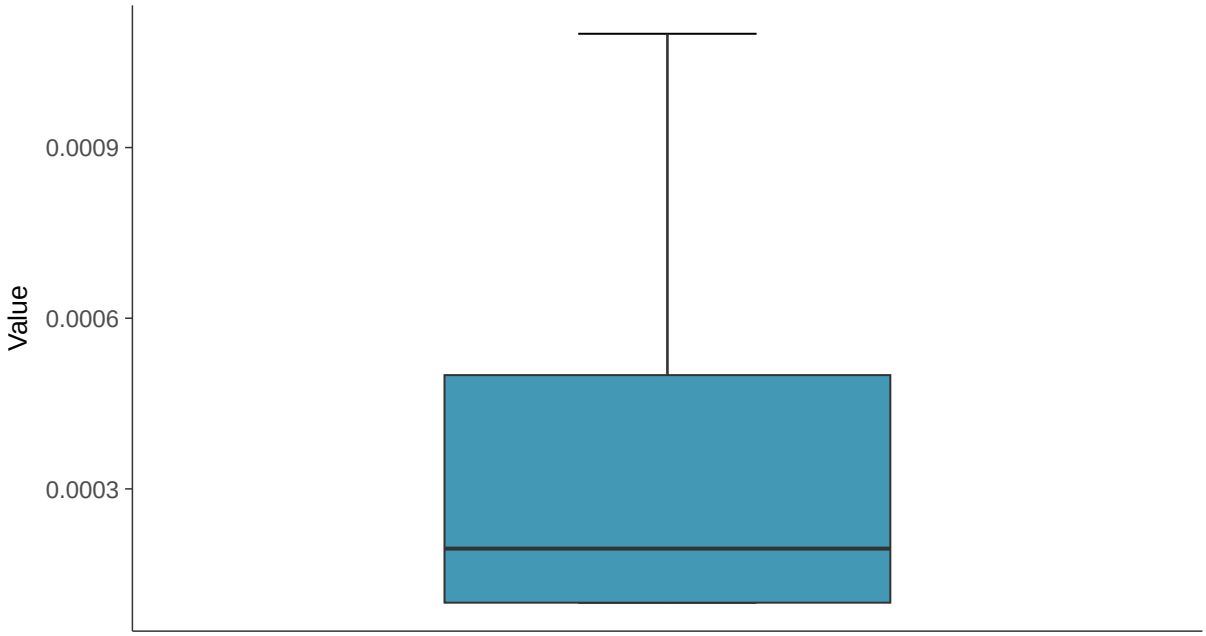
ID: 20_3_4_115





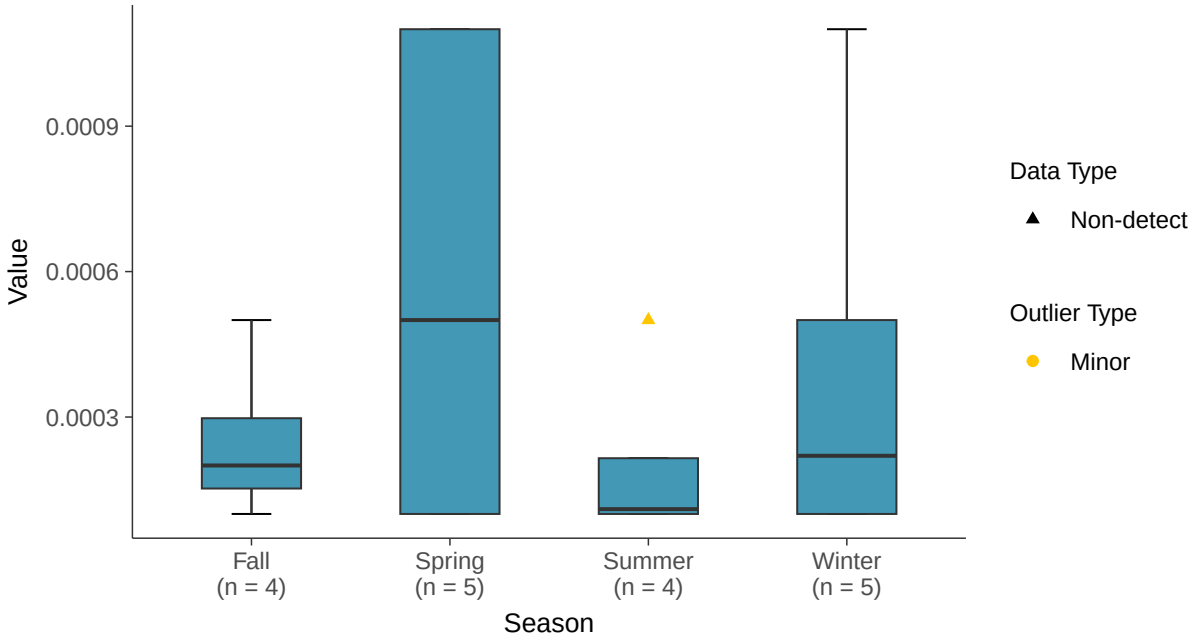
Boxplot

Lead, MW-10 (mg/L)



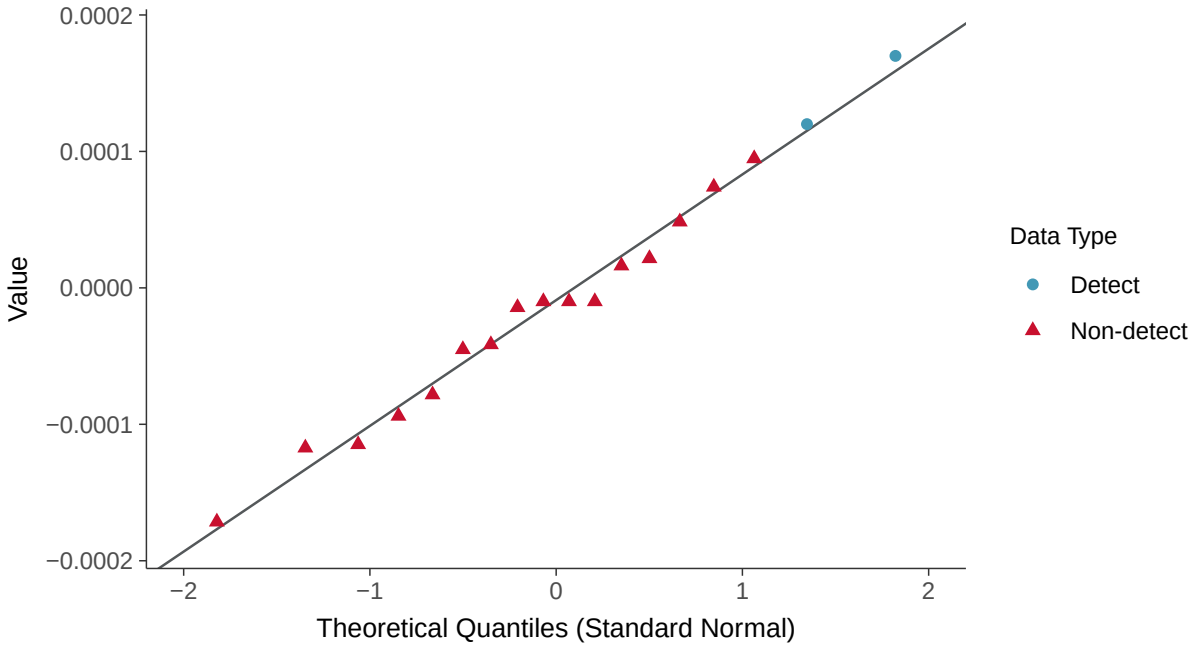
Boxplot by Season

Lead, MW-10 (mg/L)



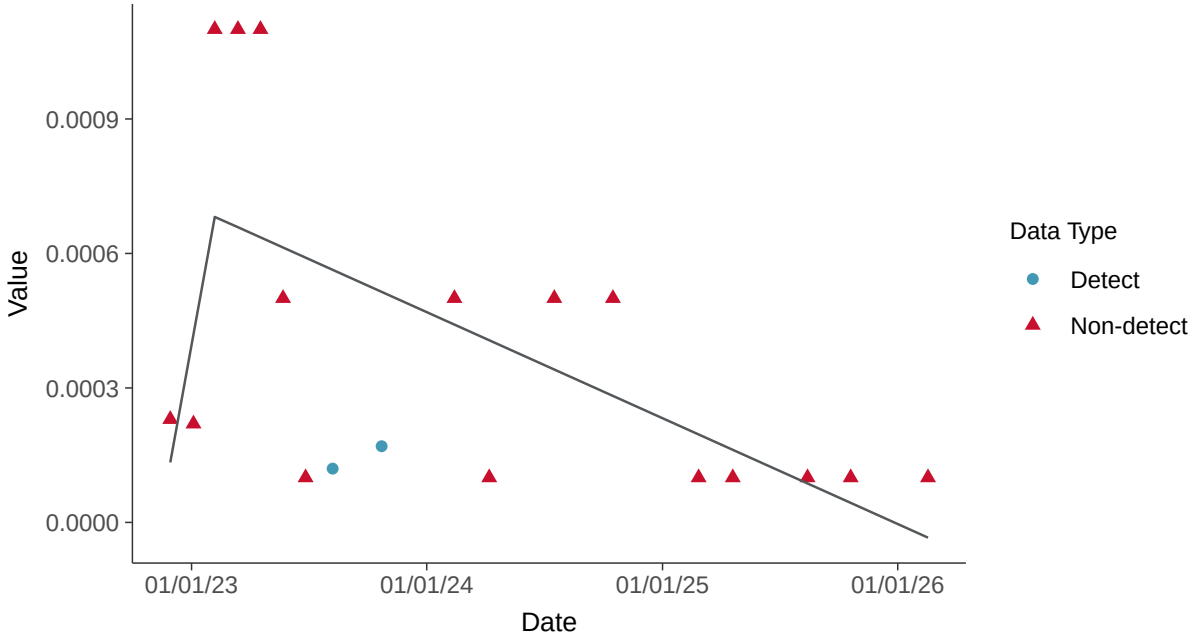
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-10 (mg/L)



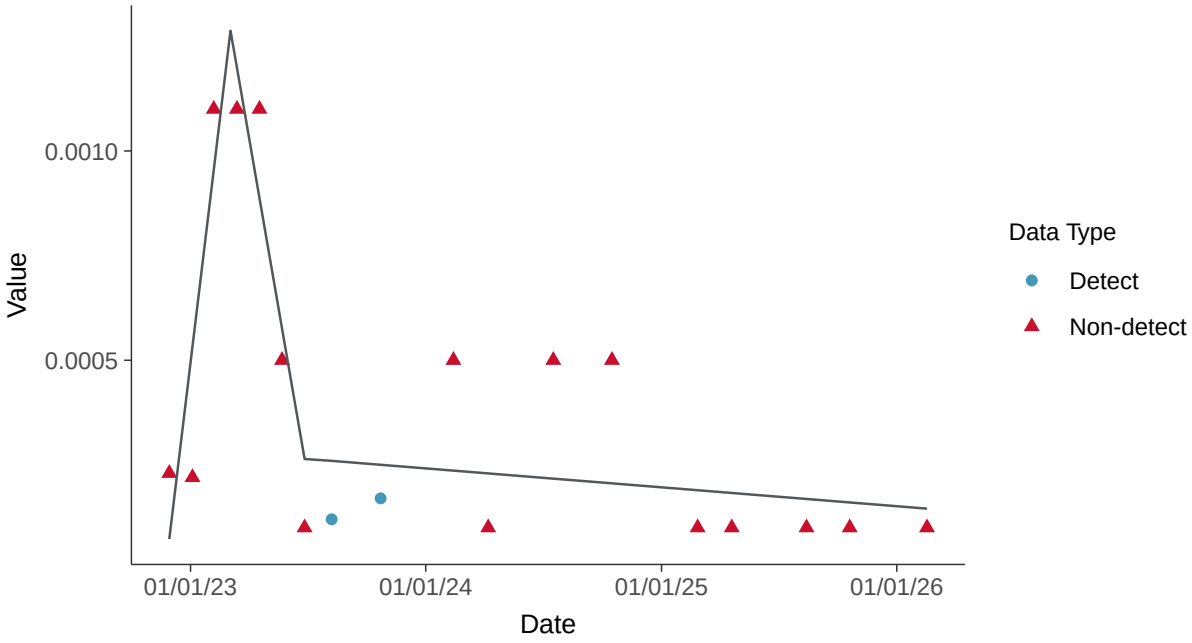
Trend Regression: Piecewise Linear-Linear

Lead, MW-10 (mg/L)



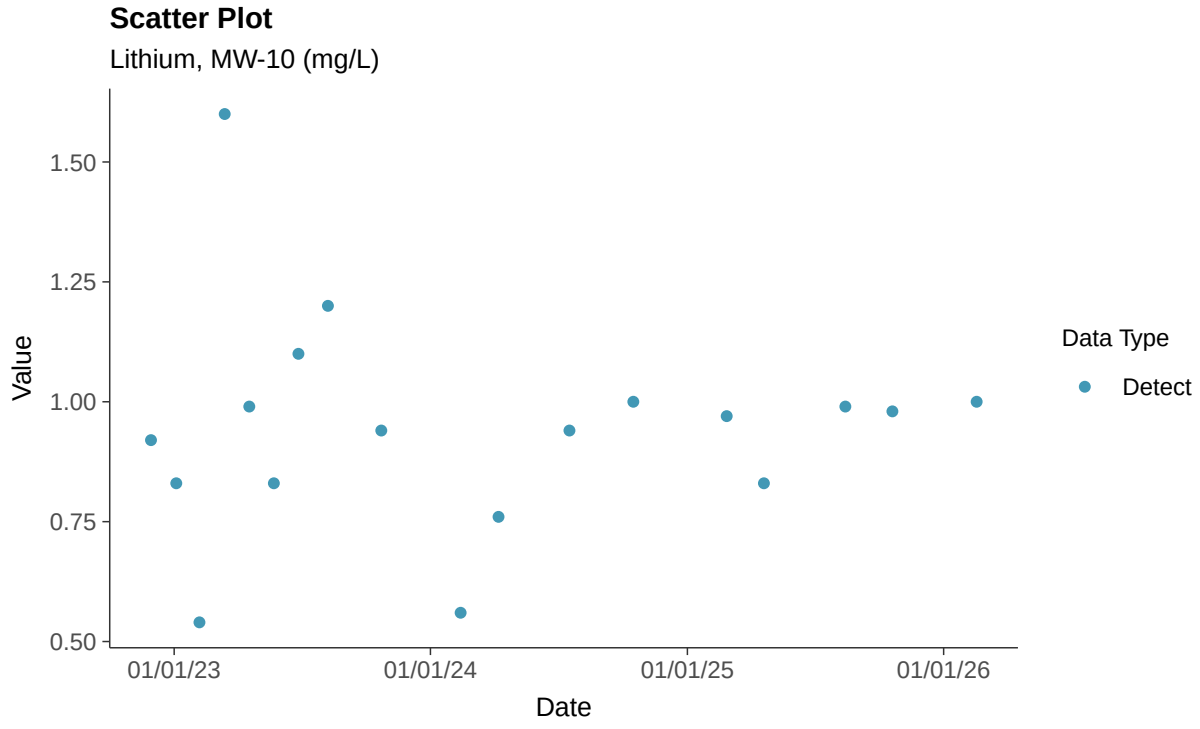
Trend Regression: Piecewise Linear-Linear-Linear

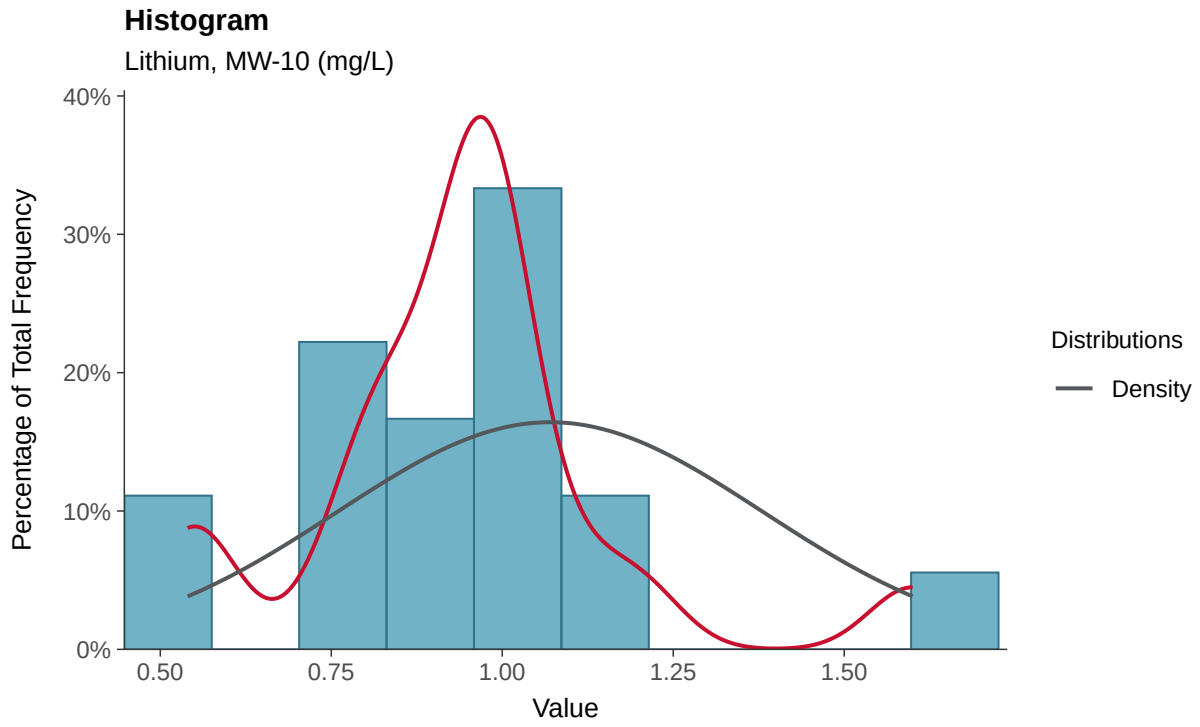
Lead, MW-10 (mg/L)



Appendix IV: Lithium, MW-10

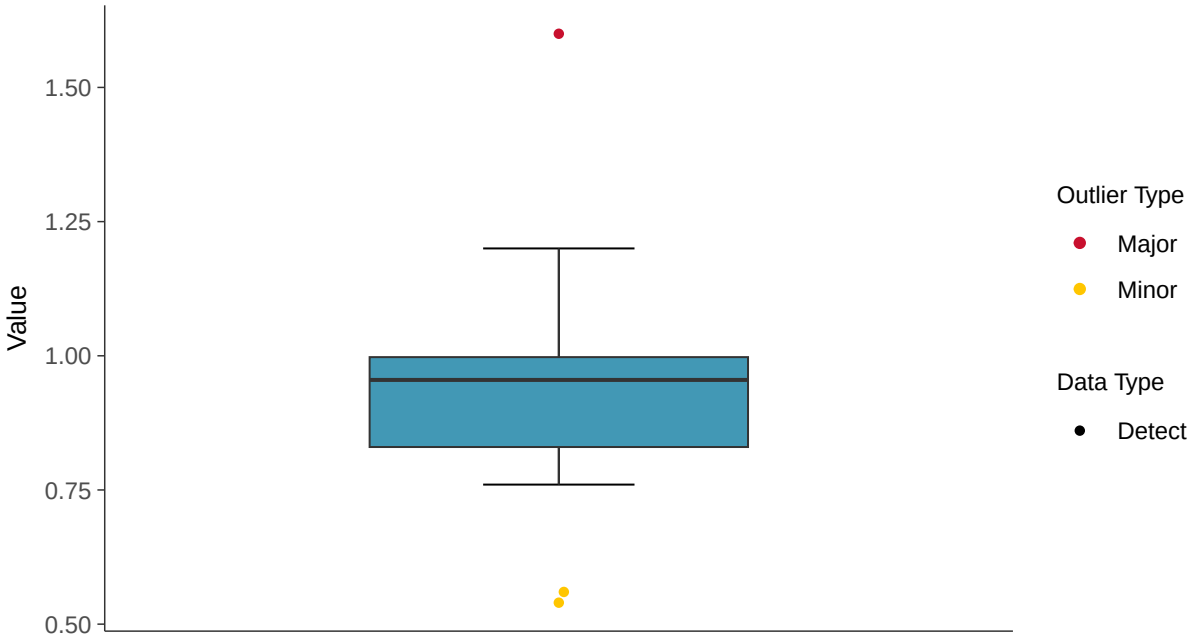
ID: 20_3_4_116





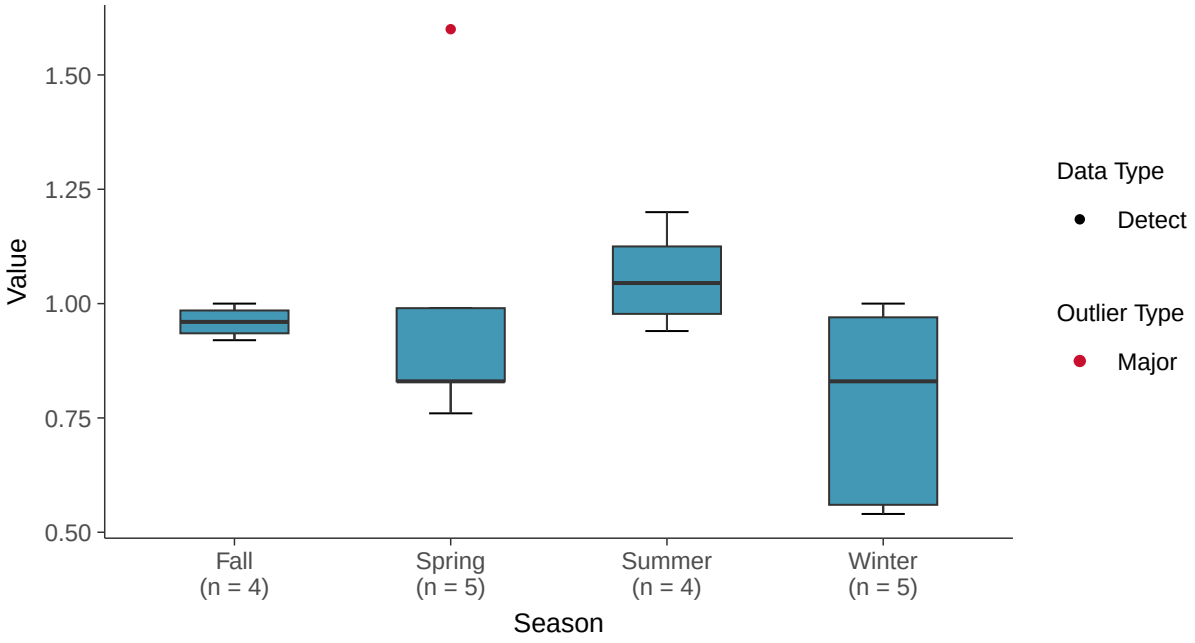
Boxplot

Lithium, MW-10 (mg/L)



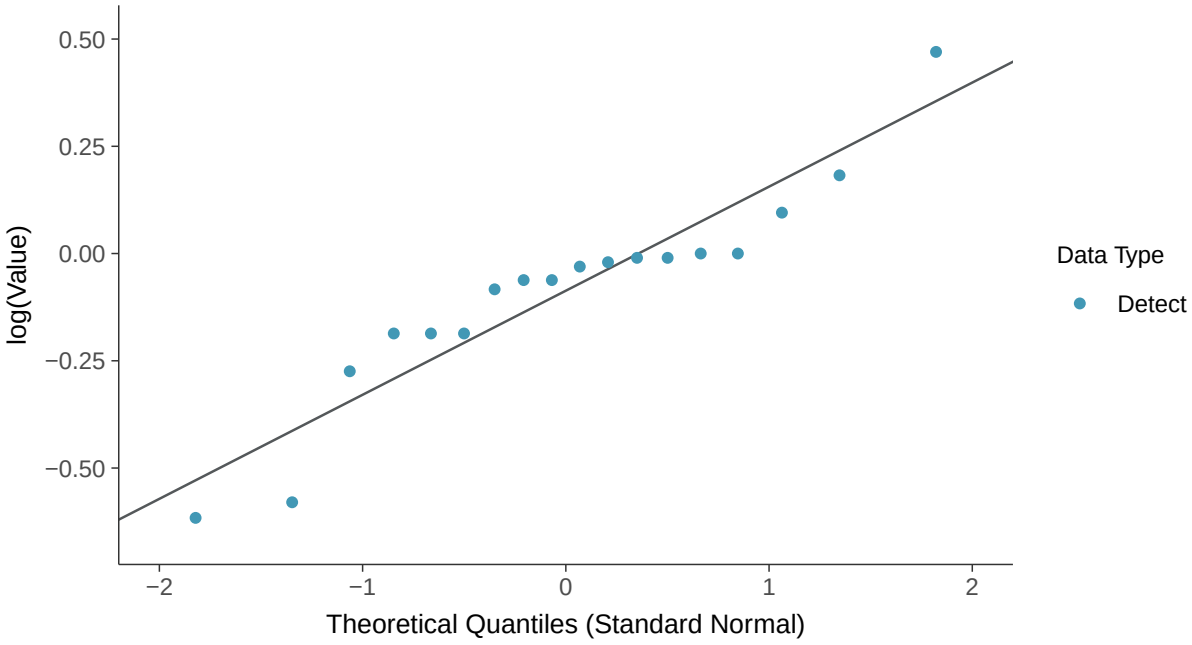
Boxplot by Season

Lithium, MW-10 (mg/L)



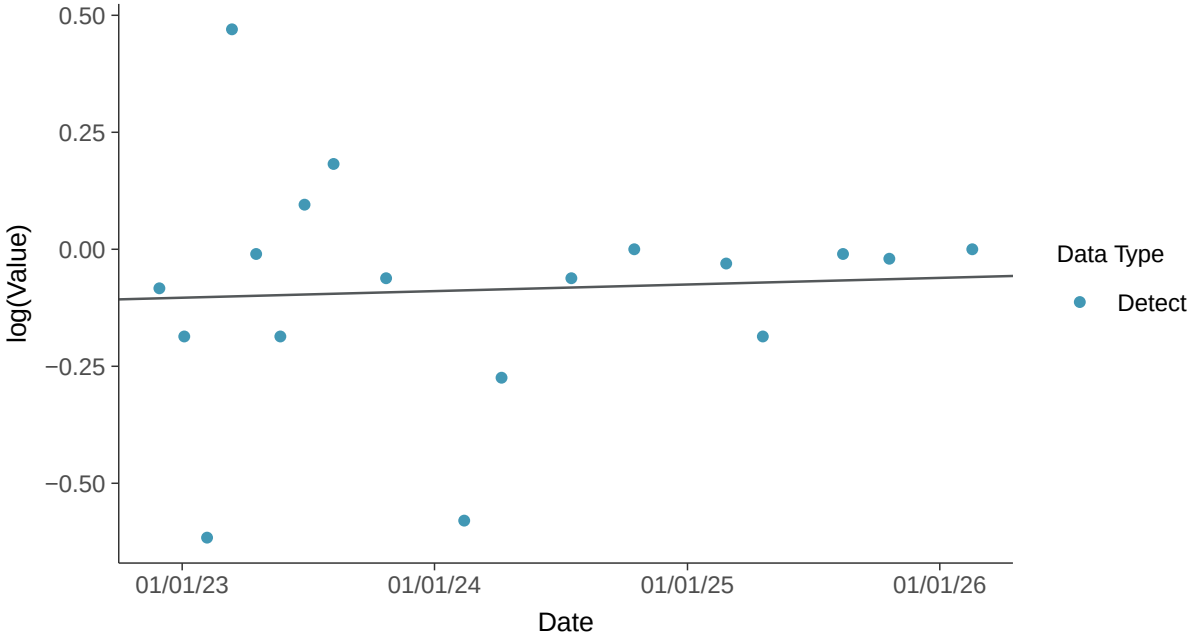
Lognormal Q-Q plot

Lithium, MW-10 (mg/L)



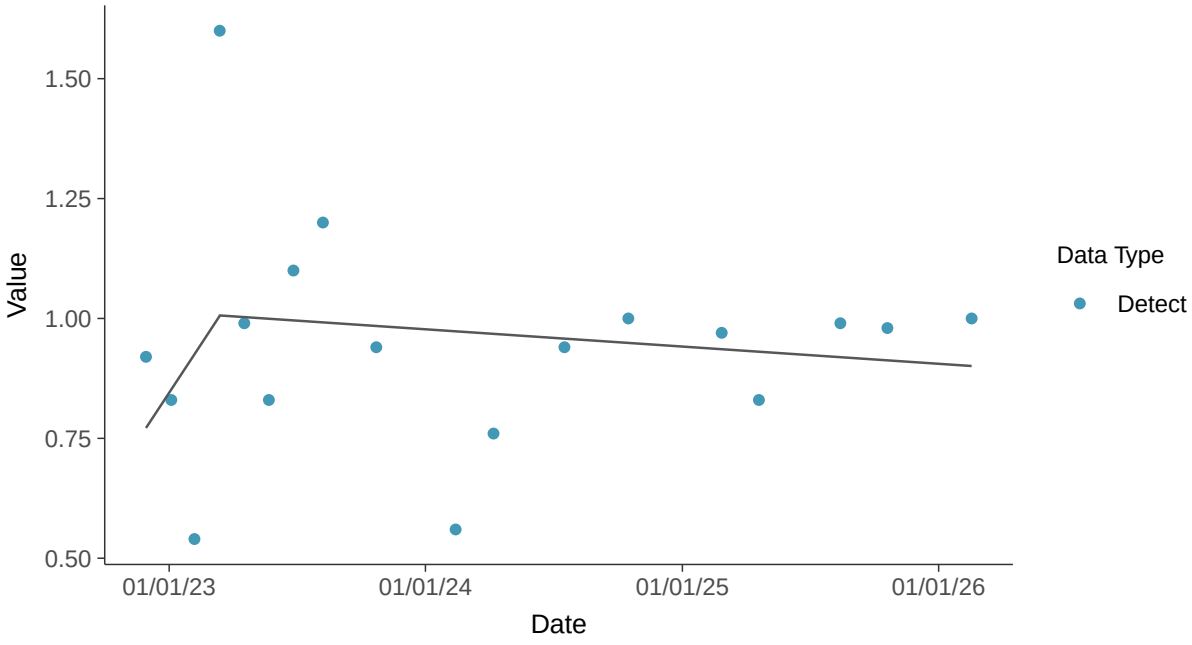
Trend Regression: Lognormal MLE

Lithium, MW-10 (mg/L)



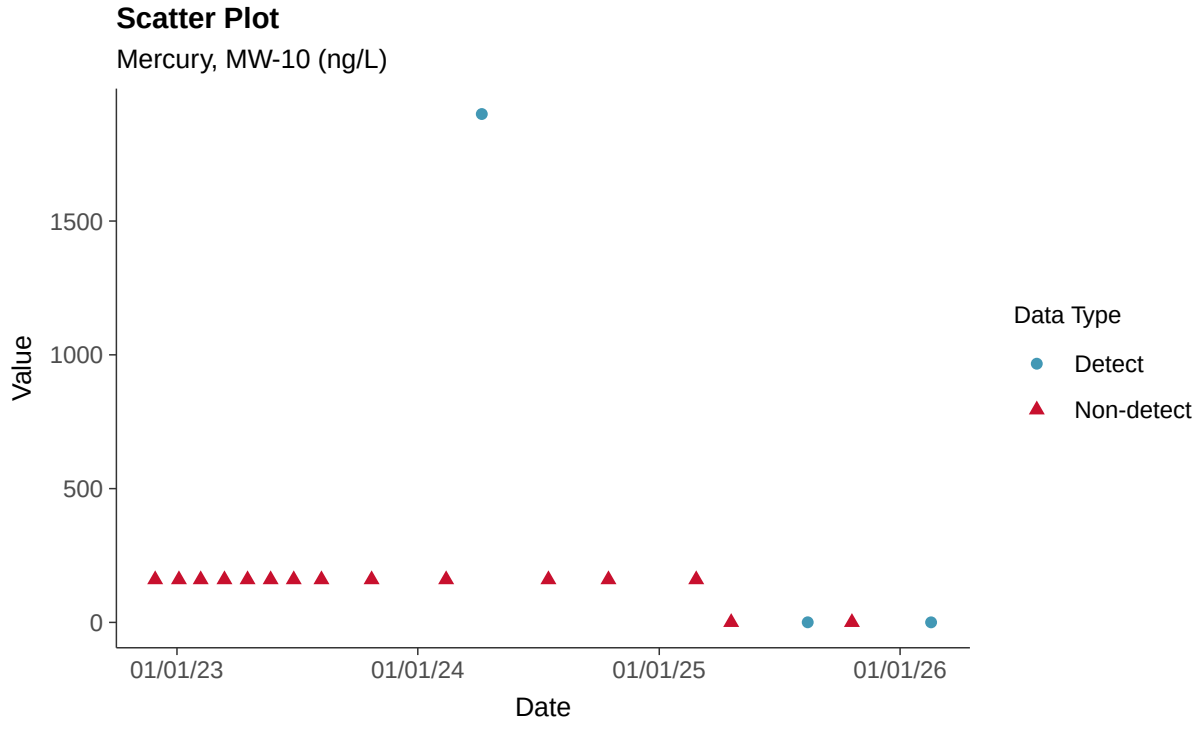
Trend Regression: Piecewise Linear-Linear

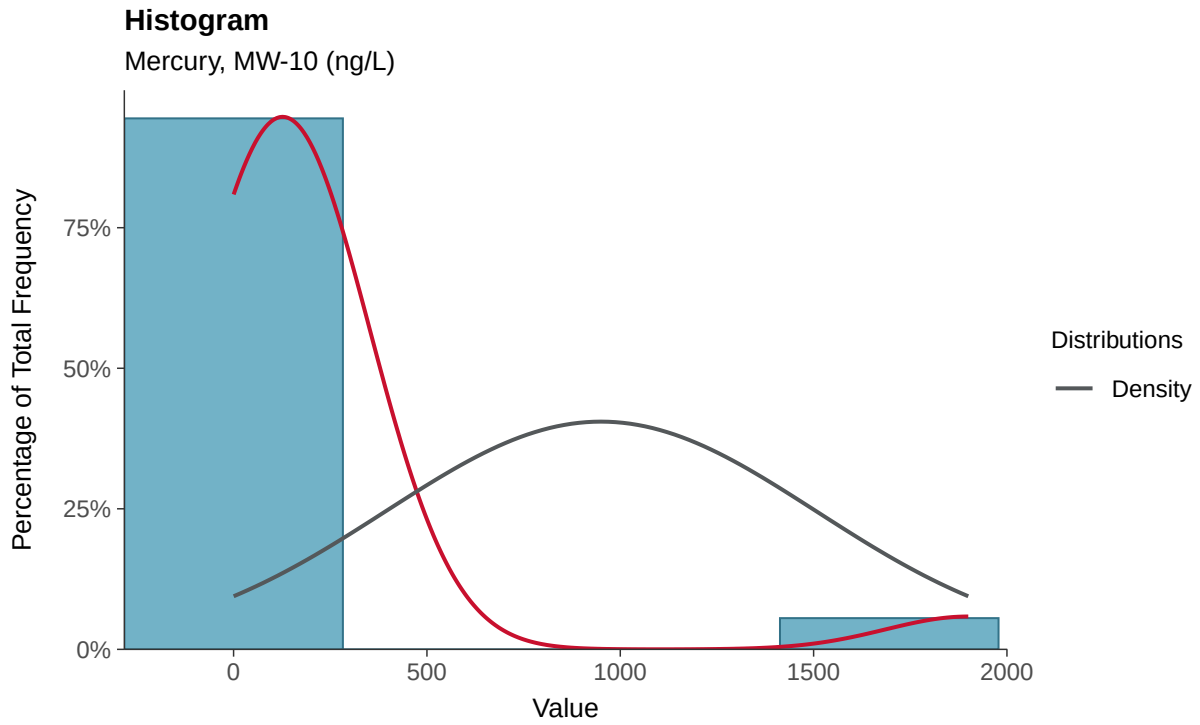
Lithium, MW-10 (mg/L)



Appendix IV: Mercury, MW-10

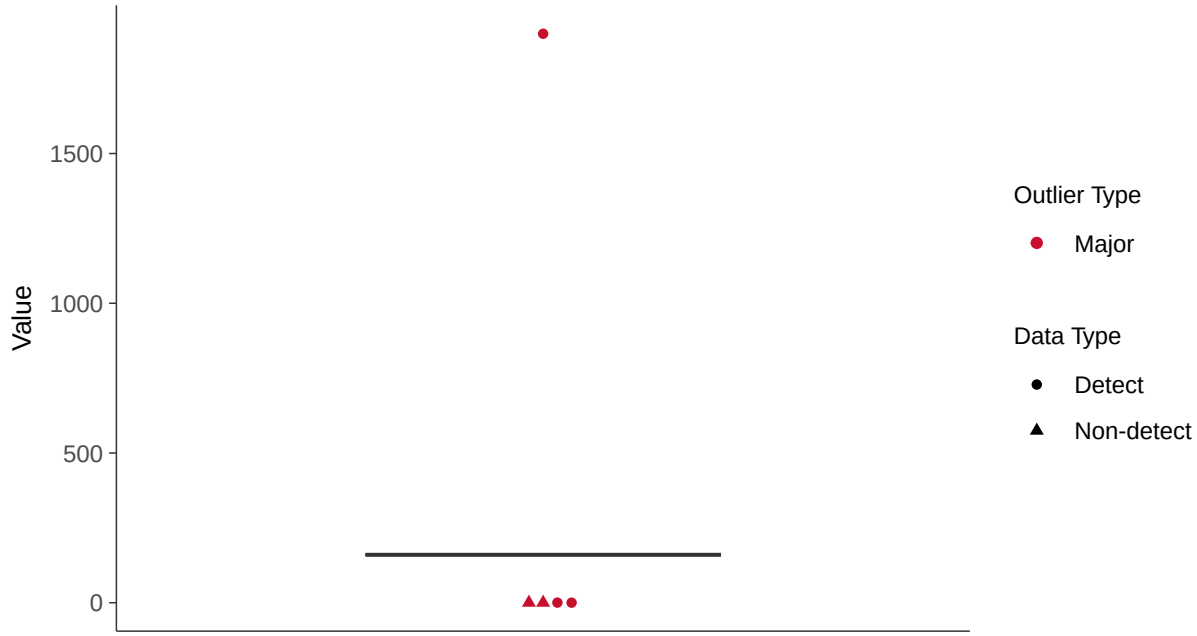
ID: 20_3_4_117





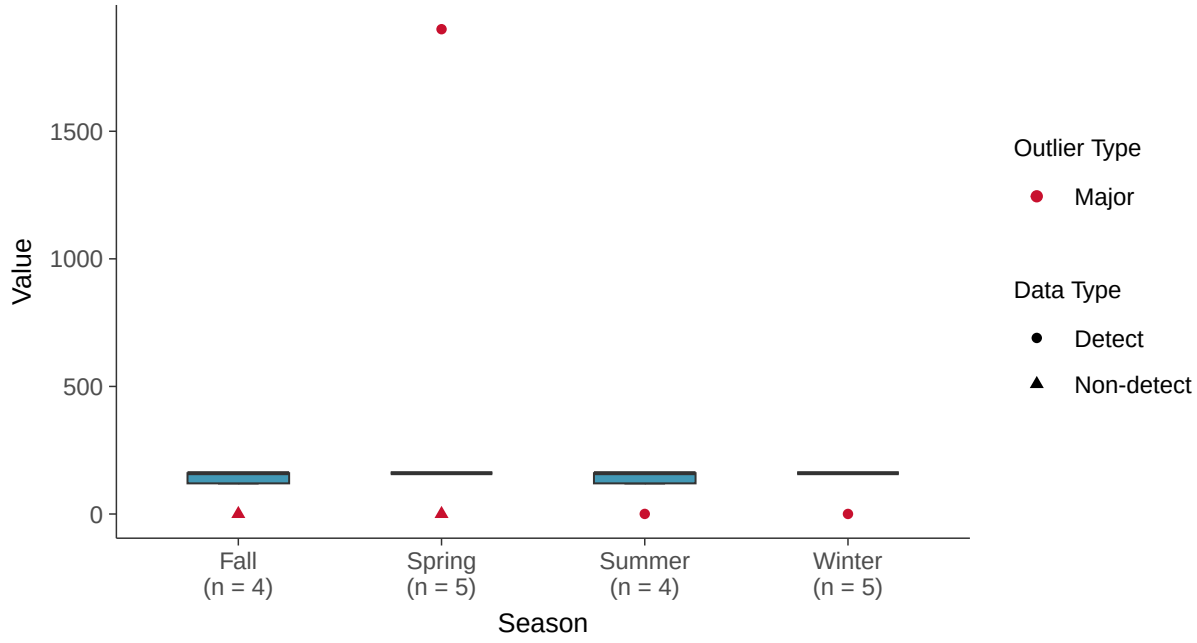
Boxplot

Mercury, MW-10 (ng/L)



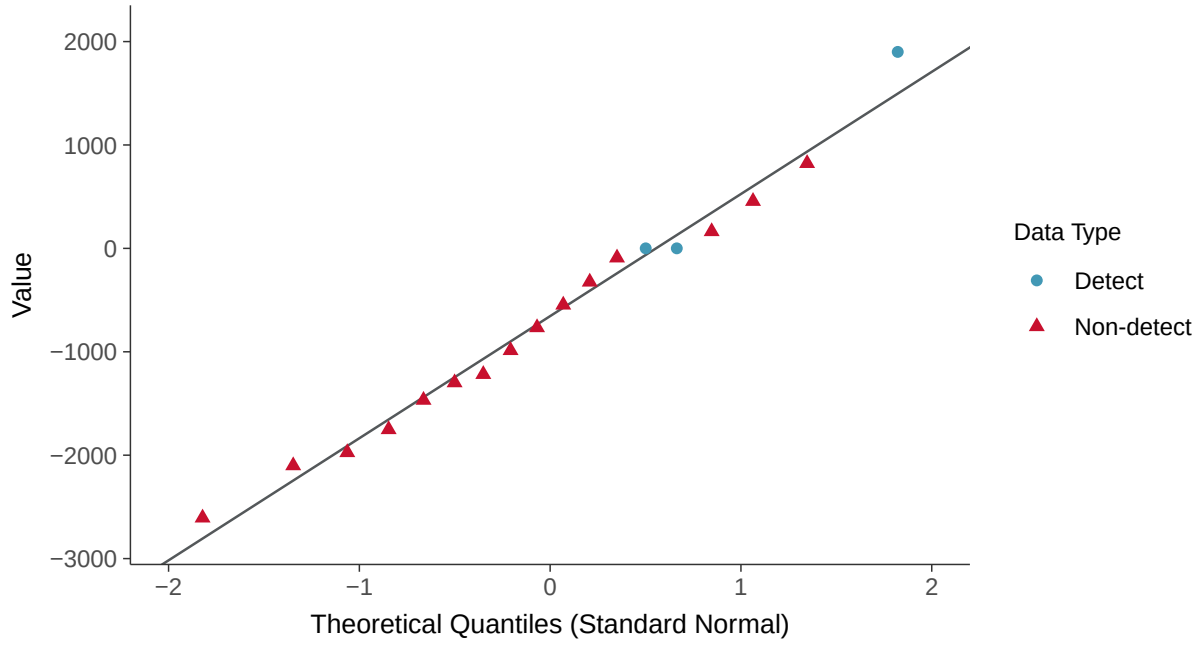
Boxplot by Season

Mercury, MW-10 (ng/L)



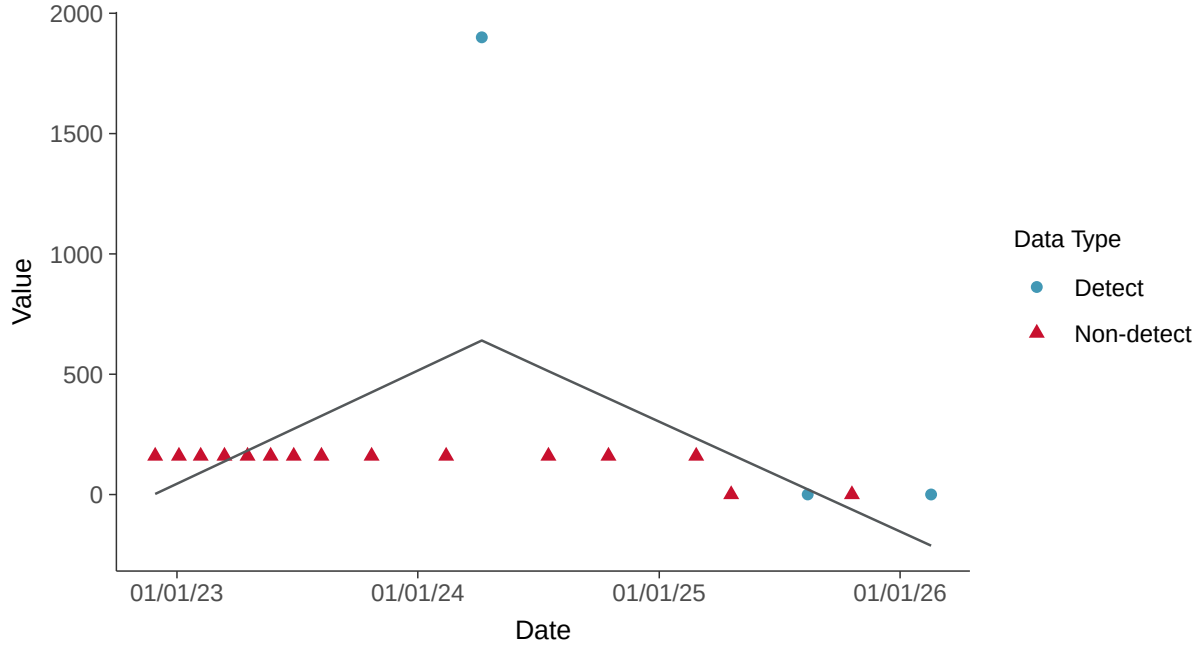
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-10 (ng/L)



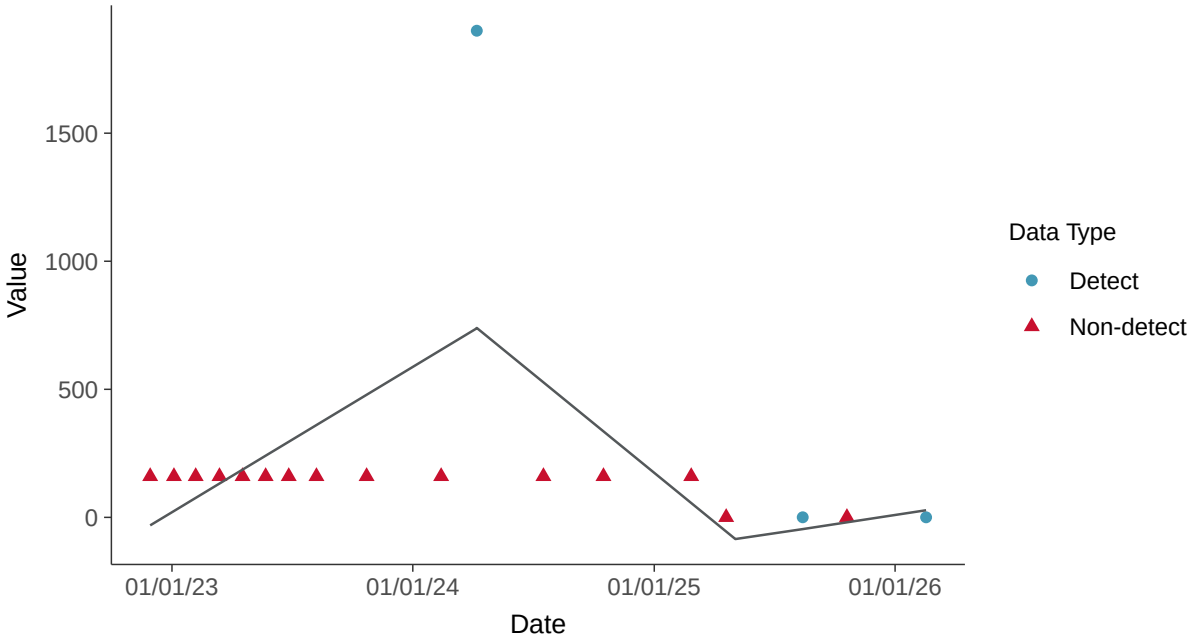
Trend Regression: Piecewise Linear-Linear

Mercury, MW-10 (ng/L)



Trend Regression: Piecewise Linear-Linear-Linear

Mercury, MW-10 (ng/L)

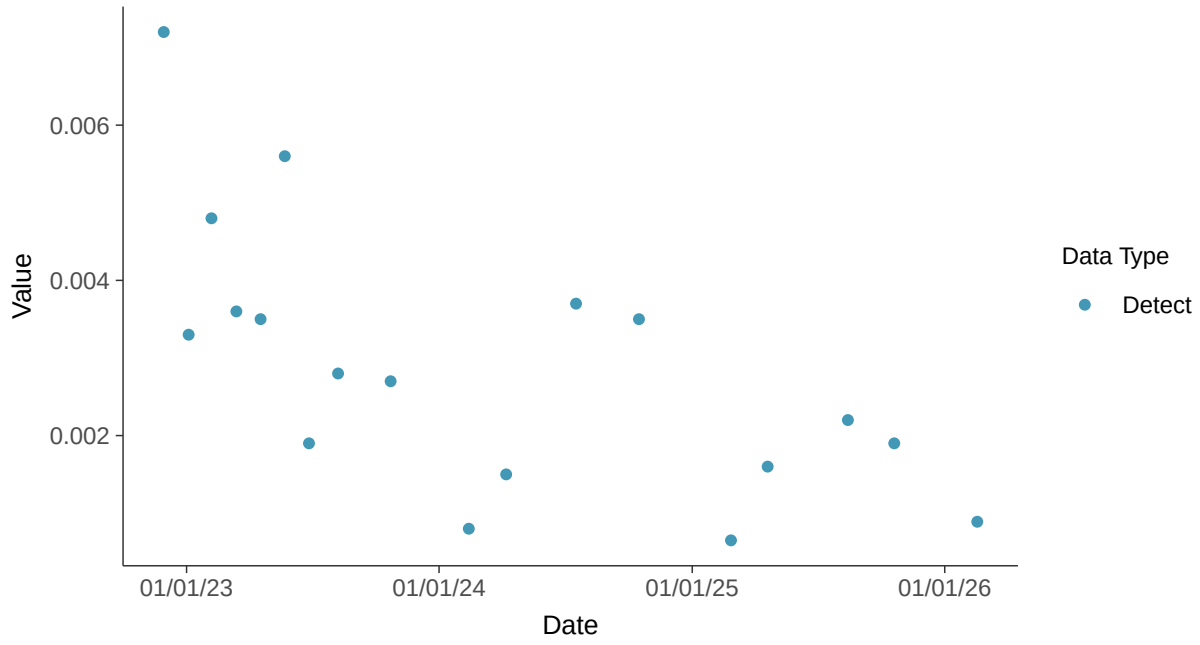


Appendix IV: Molybdenum, MW-10

ID: 20_3_4_118

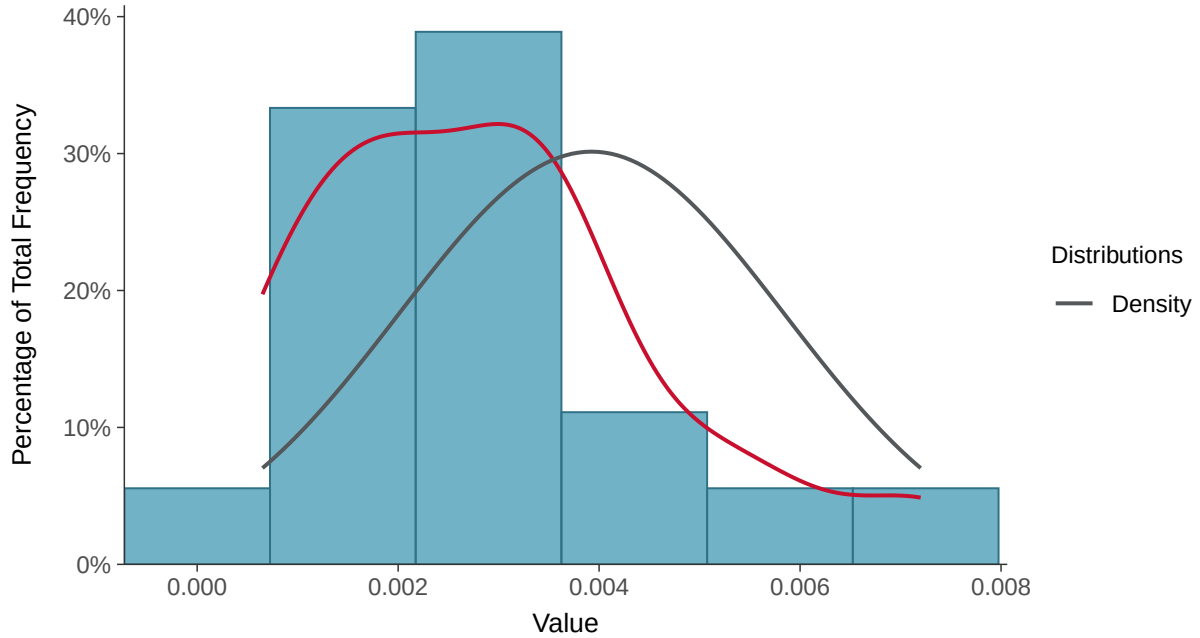
Scatter Plot

Molybdenum, MW-10 (mg/L)



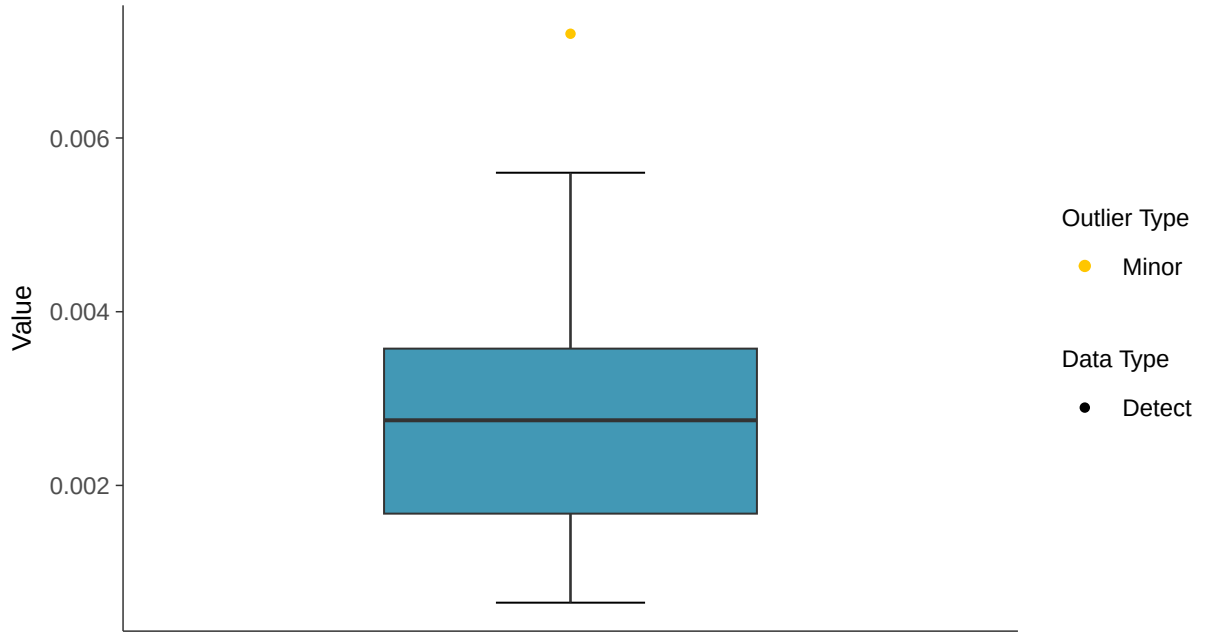
Histogram

Molybdenum, MW-10 (mg/L)



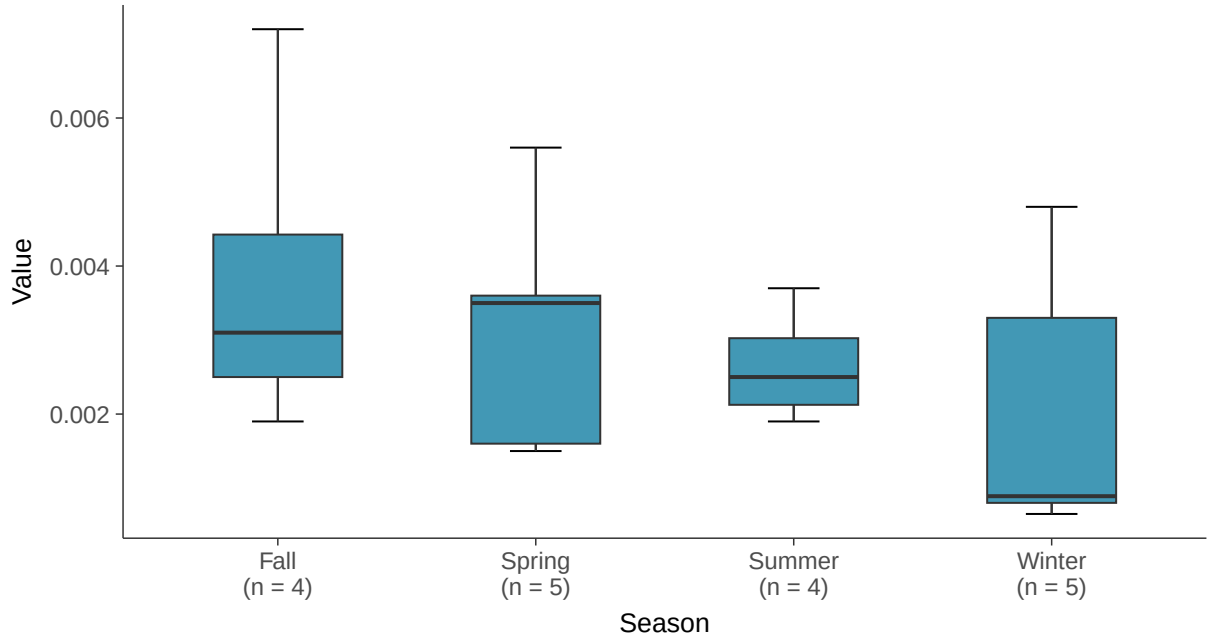
Boxplot

Molybdenum, MW-10 (mg/L)



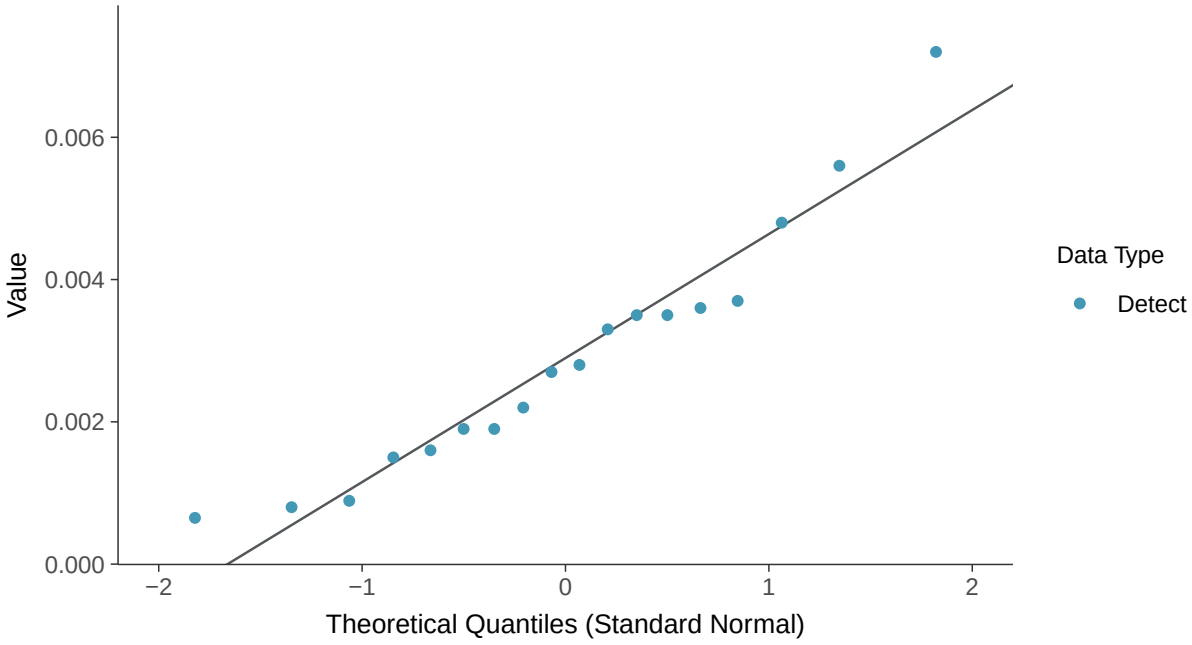
Boxplot by Season

Molybdenum, MW-10 (mg/L)



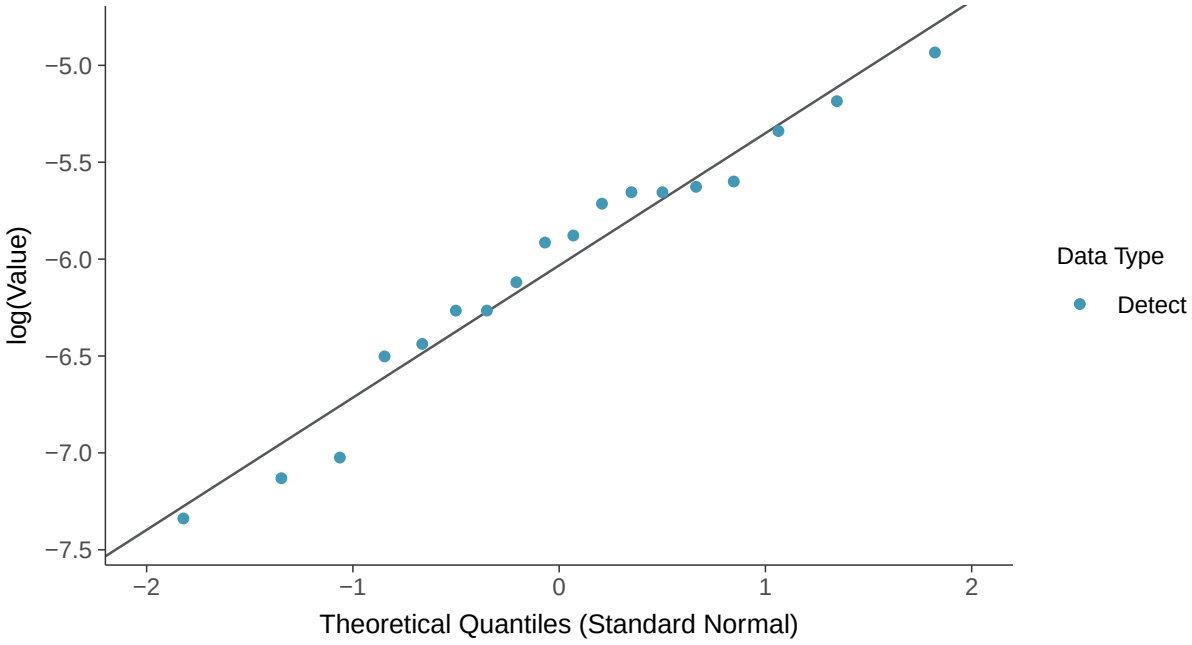
Normal Q-Q plot

Molybdenum, MW-10 (mg/L)



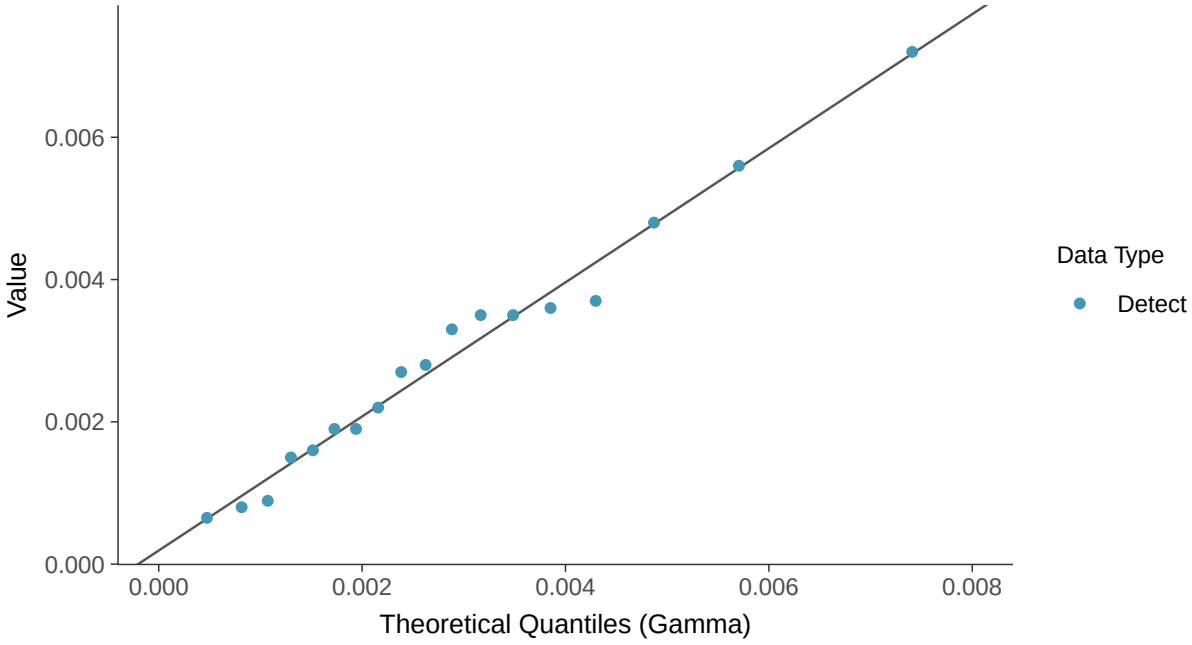
Lognormal Q-Q plot

Molybdenum, MW-10 (mg/L)



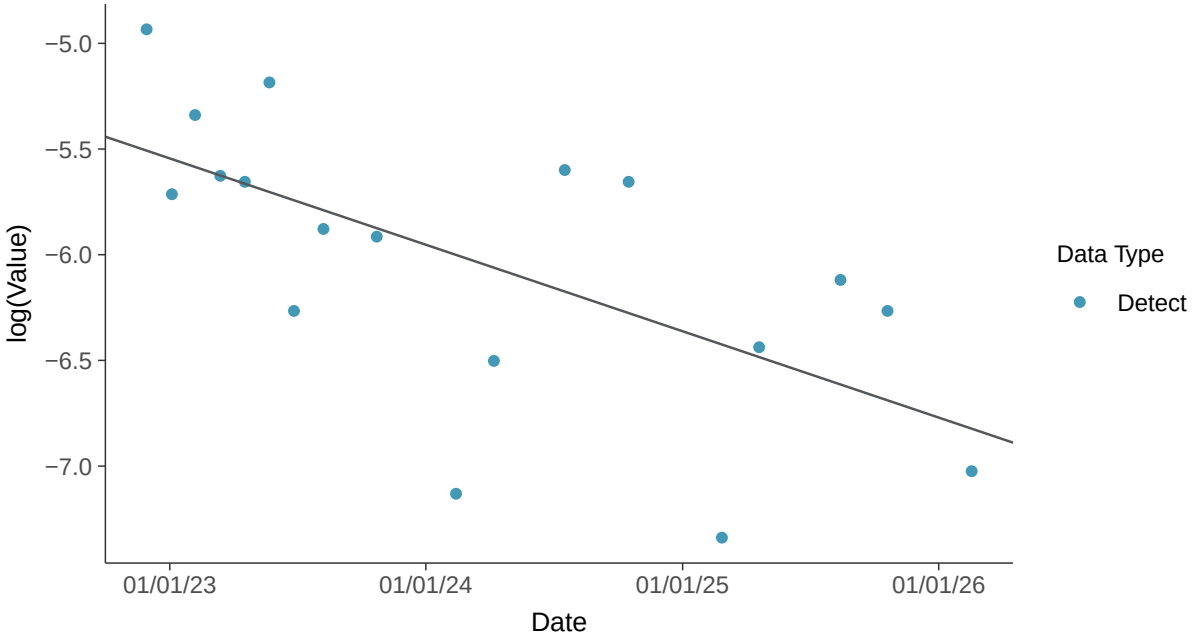
Gamma Q-Q plot

Molybdenum, MW-10 (mg/L)



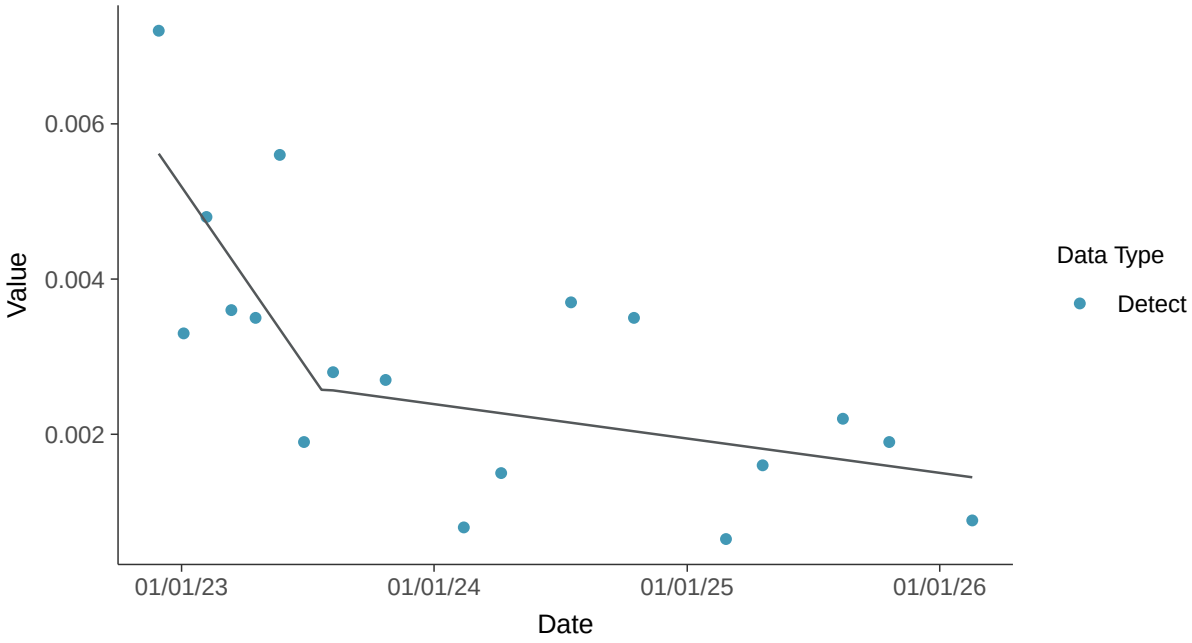
Trend Regression: Lognormal MLE

Molybdenum, MW-10 (mg/L)



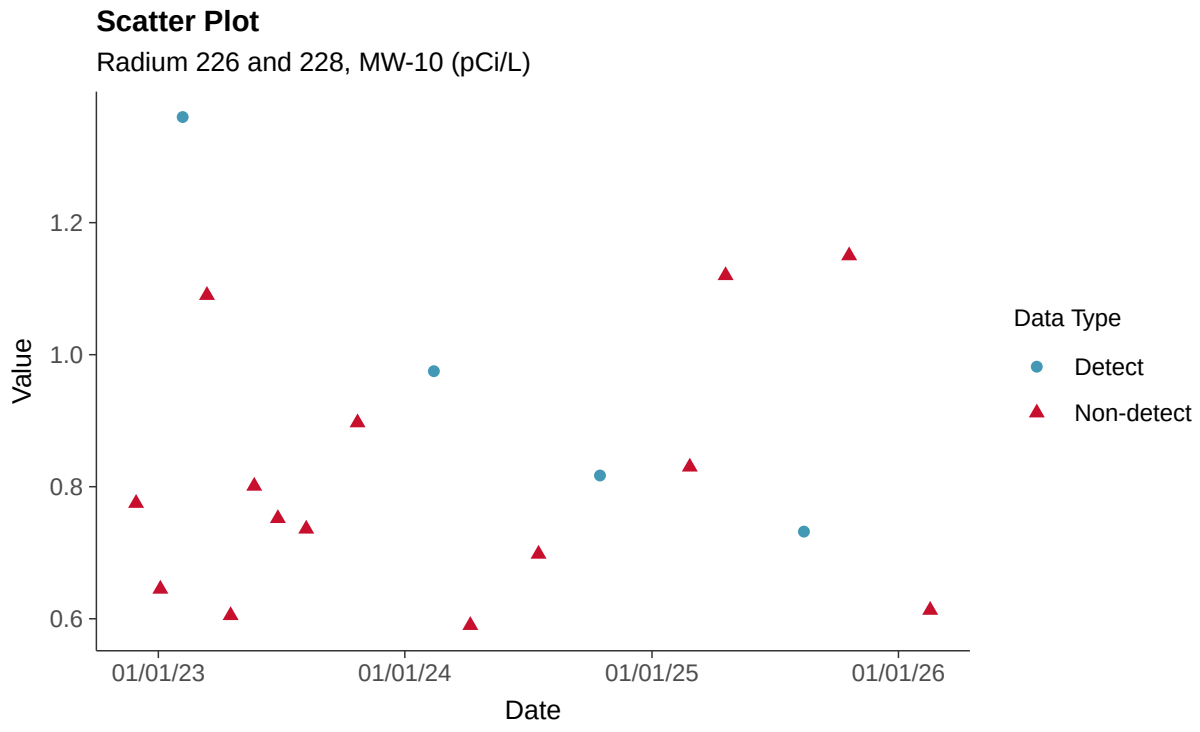
Trend Regression: Piecewise Linear-Linear

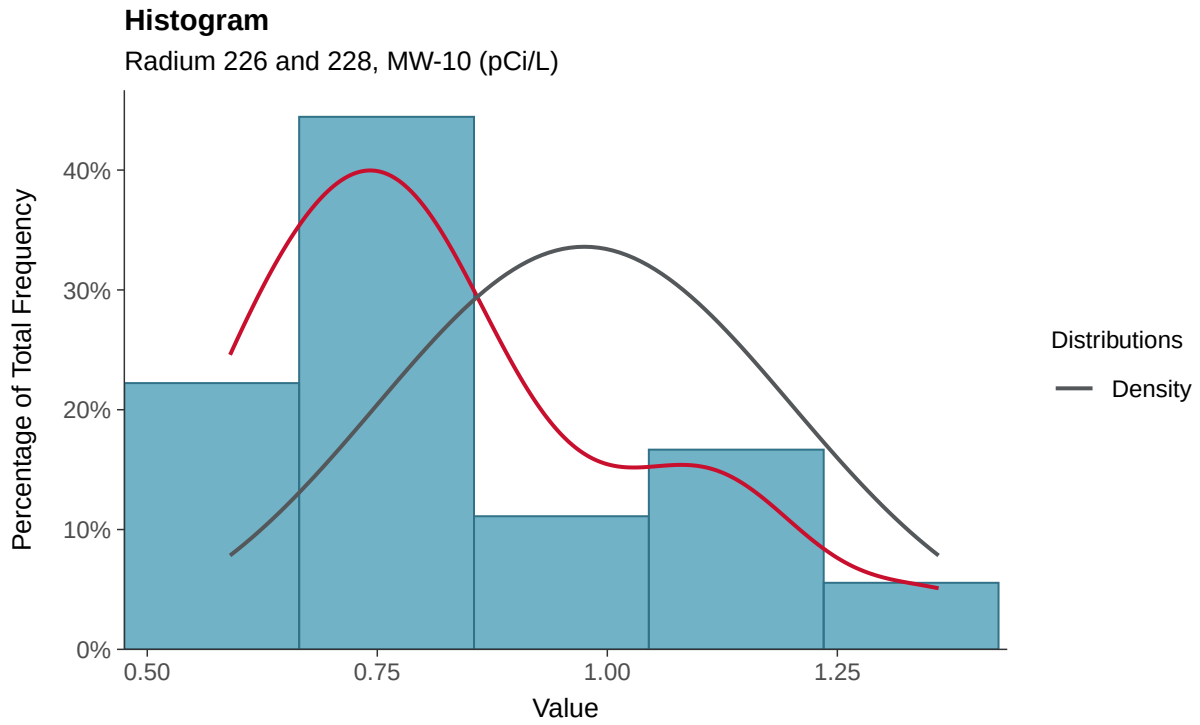
Molybdenum, MW-10 (mg/L)



Appendix IV: Radium 226 and 228, MW-10

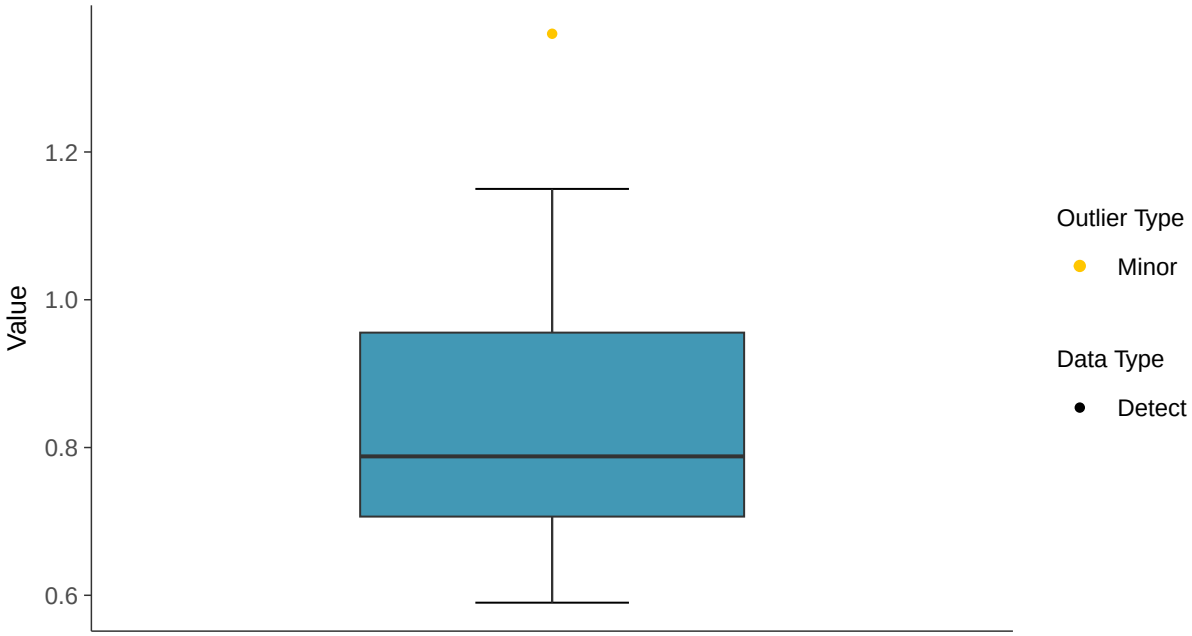
ID: 20_3_4_121





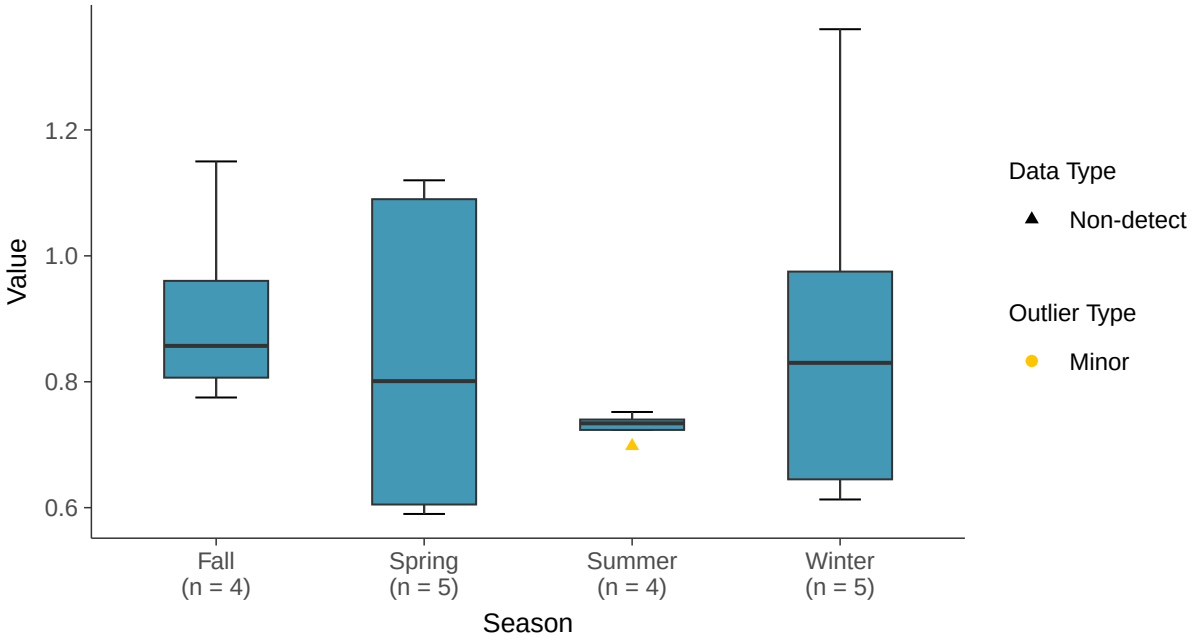
Boxplot

Radium 226 and 228, MW-10 (pCi/L)



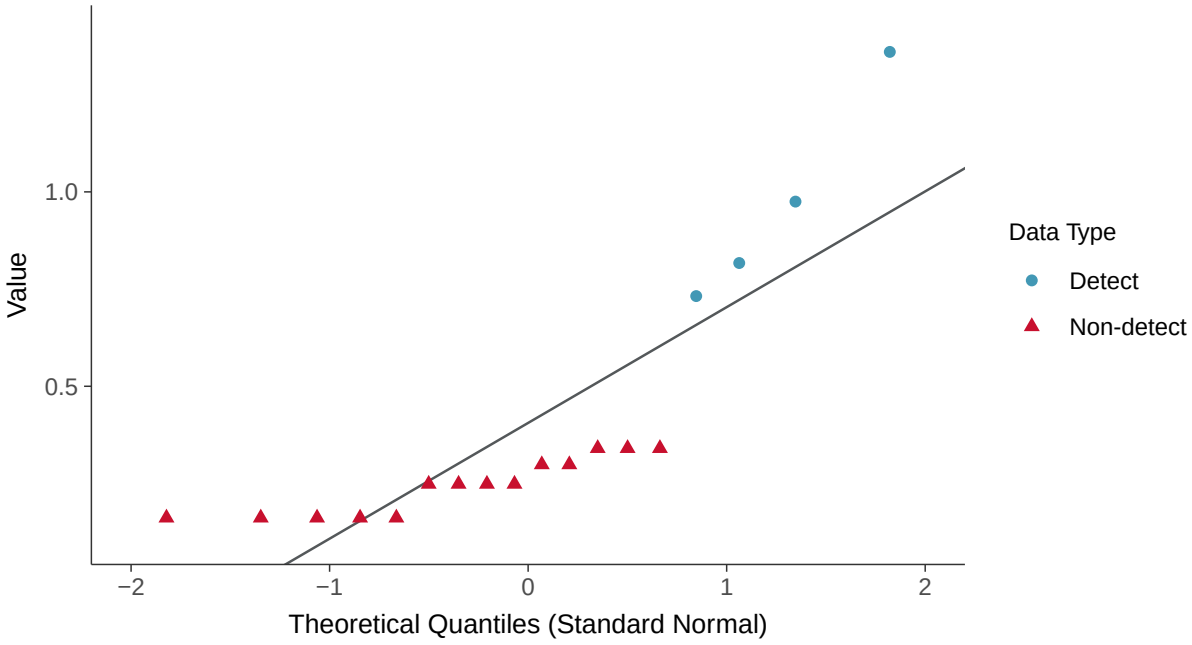
Boxplot by Season

Radium 226 and 228, MW-10 (pCi/L)



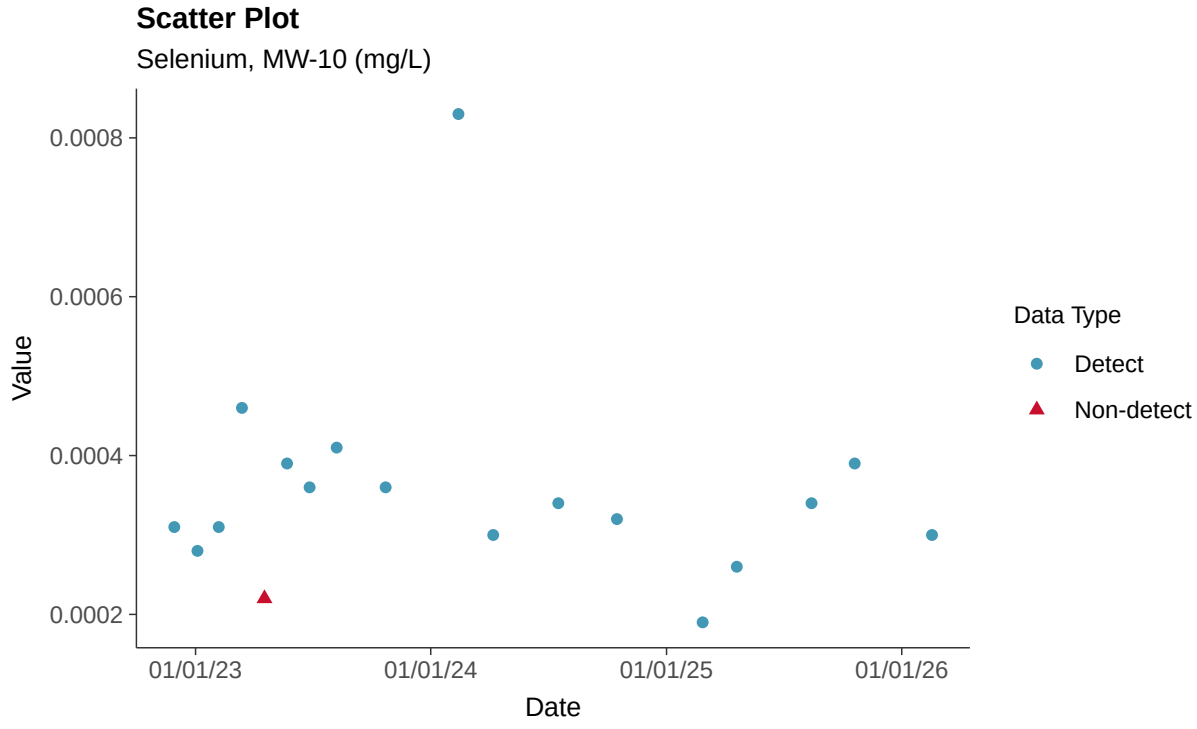
Normal Q-Q plot using ROS Imputed Estimates

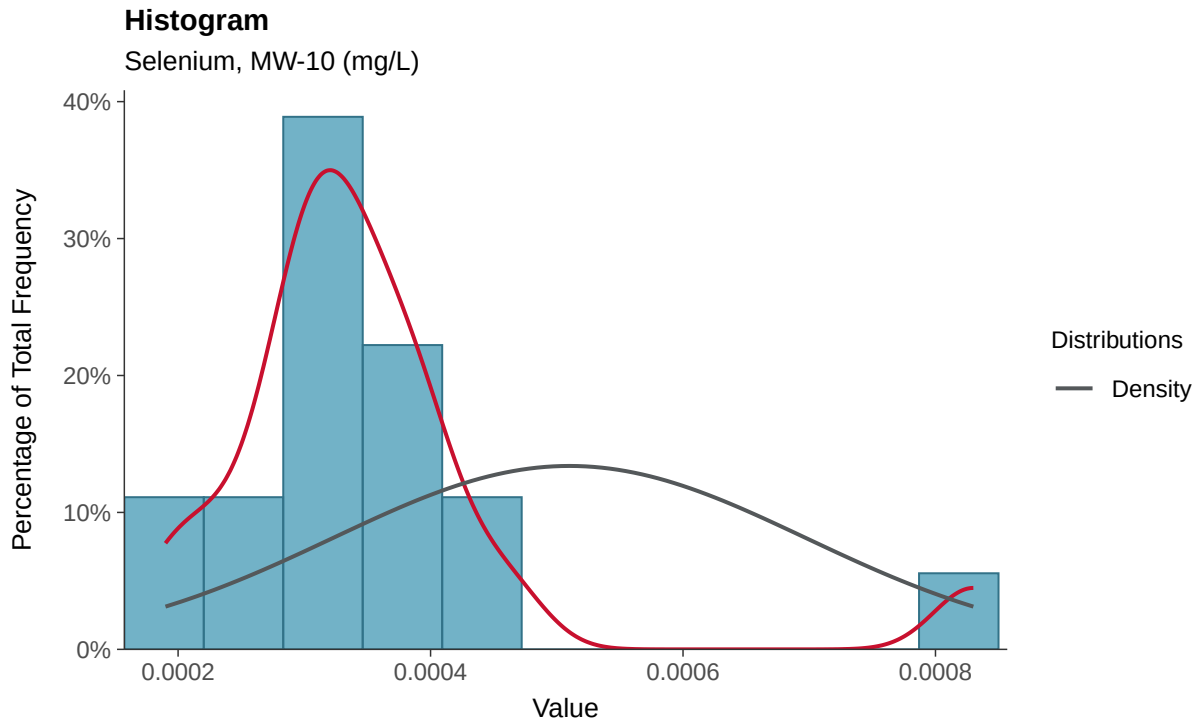
Radium 226 and 228, MW-10 (pCi/L)



Appendix IV: Selenium, MW-10

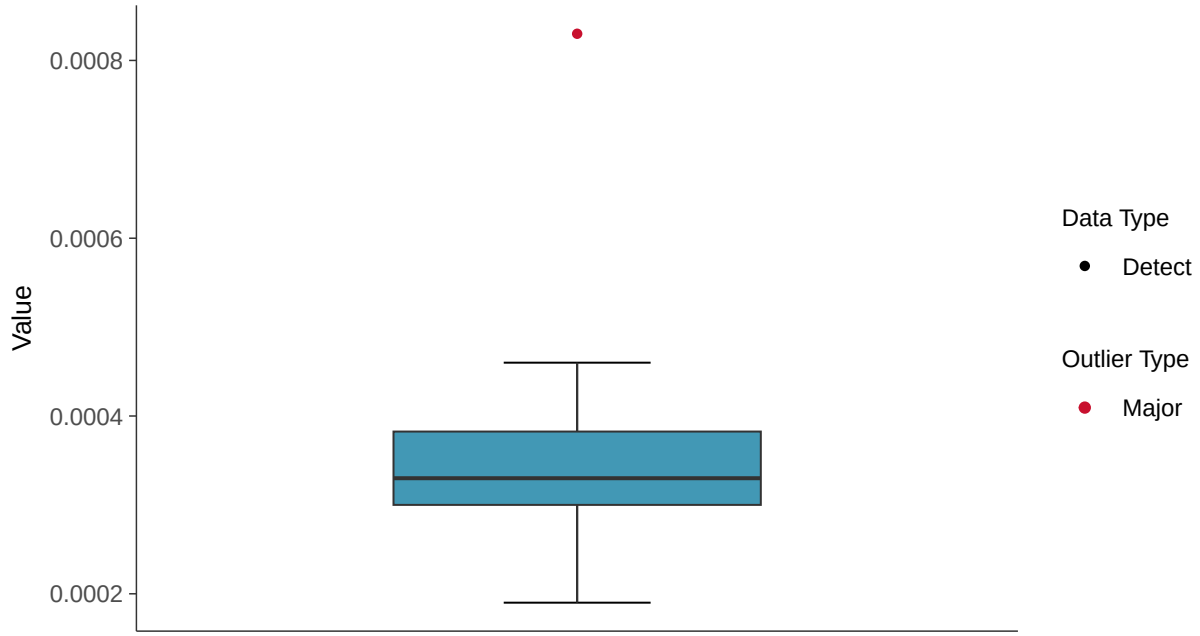
ID: 20_3_4_122





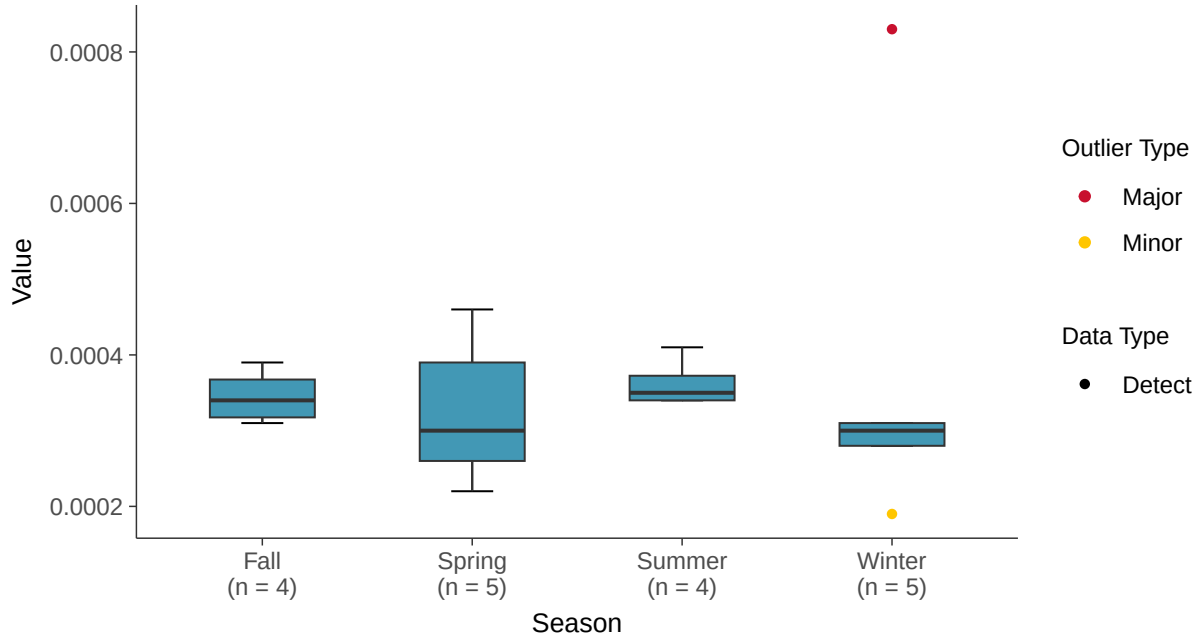
Boxplot

Selenium, MW-10 (mg/L)



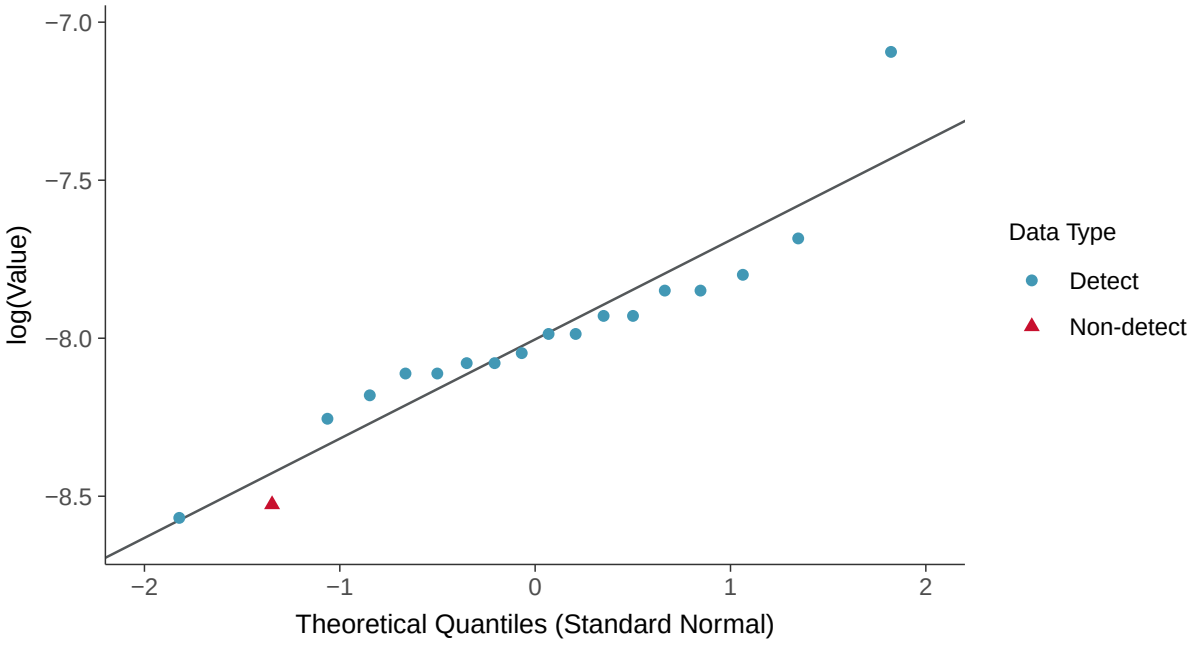
Boxplot by Season

Selenium, MW-10 (mg/L)



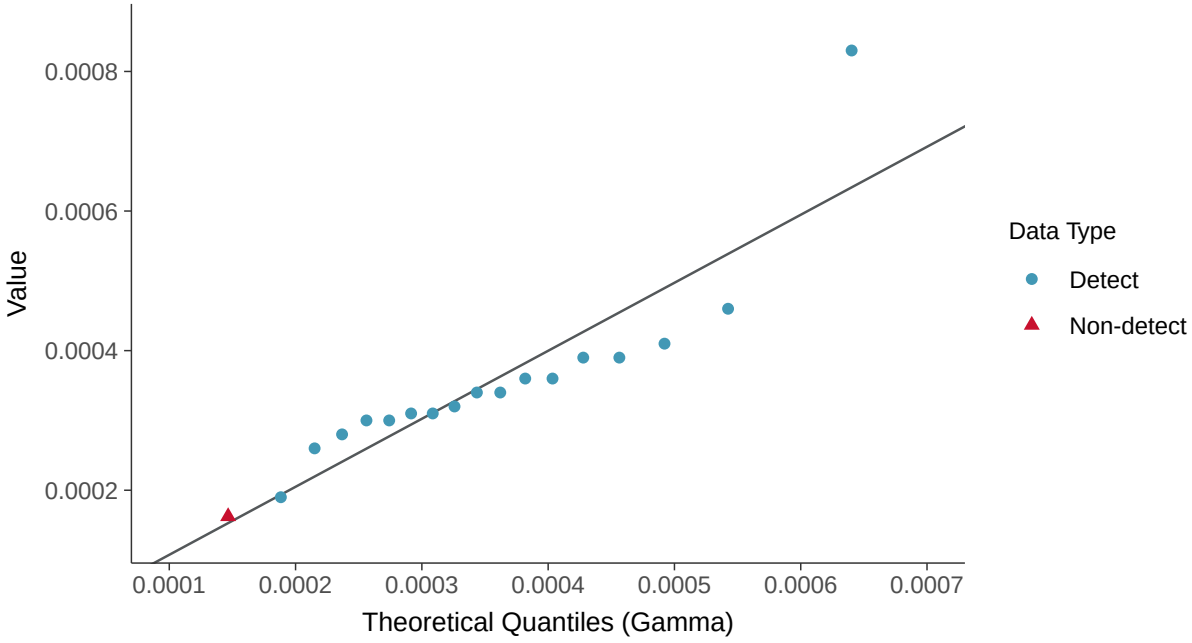
Lognormal Q-Q plot using ROS Imputed Estimates

Selenium, MW-10 (mg/L)



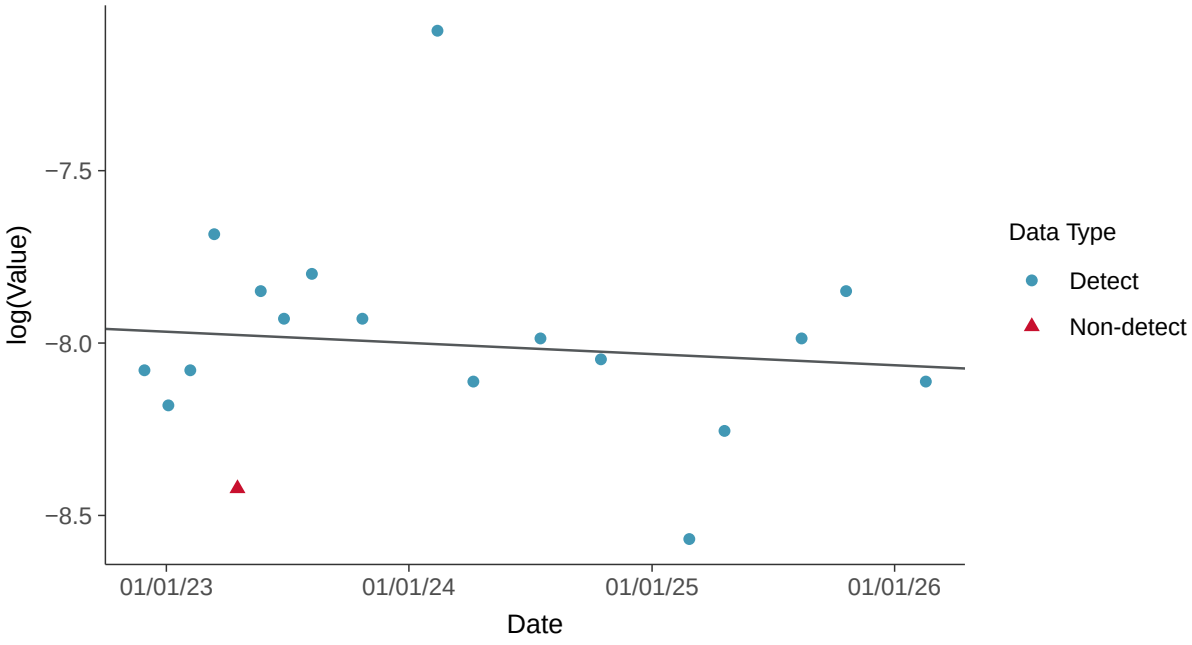
Gamma Q-Q plot using ROS Imputed Estimates

Selenium, MW-10 (mg/L)



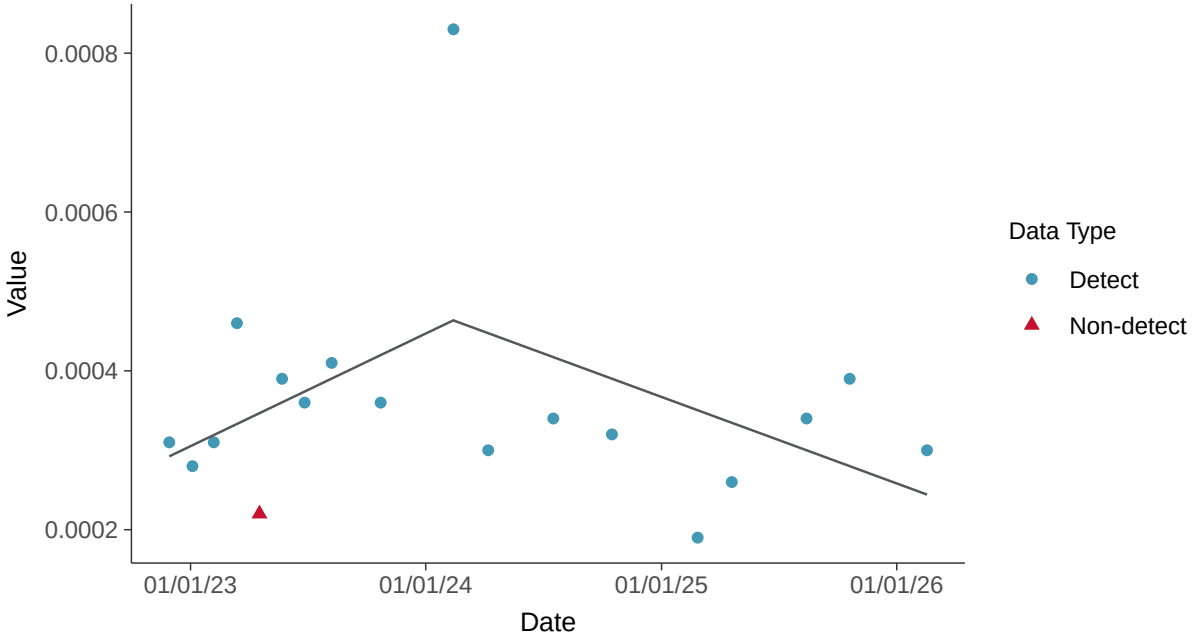
Trend Regression: Lognormal MLE

Selenium, MW-10 (mg/L)



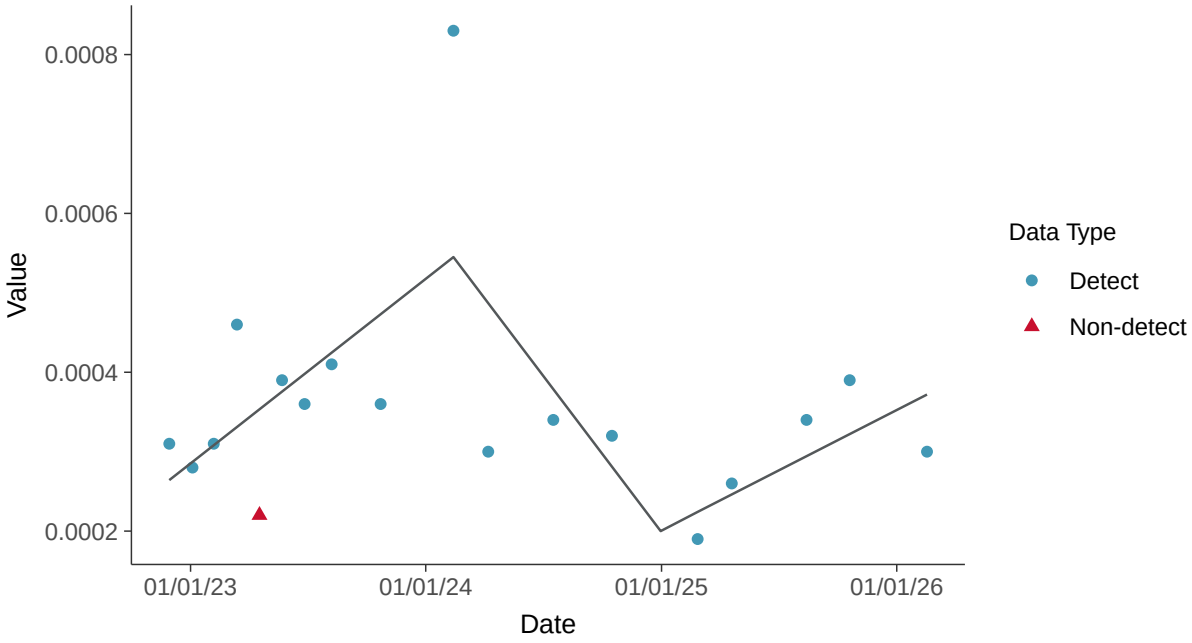
Trend Regression: Piecewise Linear-Linear

Selenium, MW-10 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Selenium, MW-10 (mg/L)

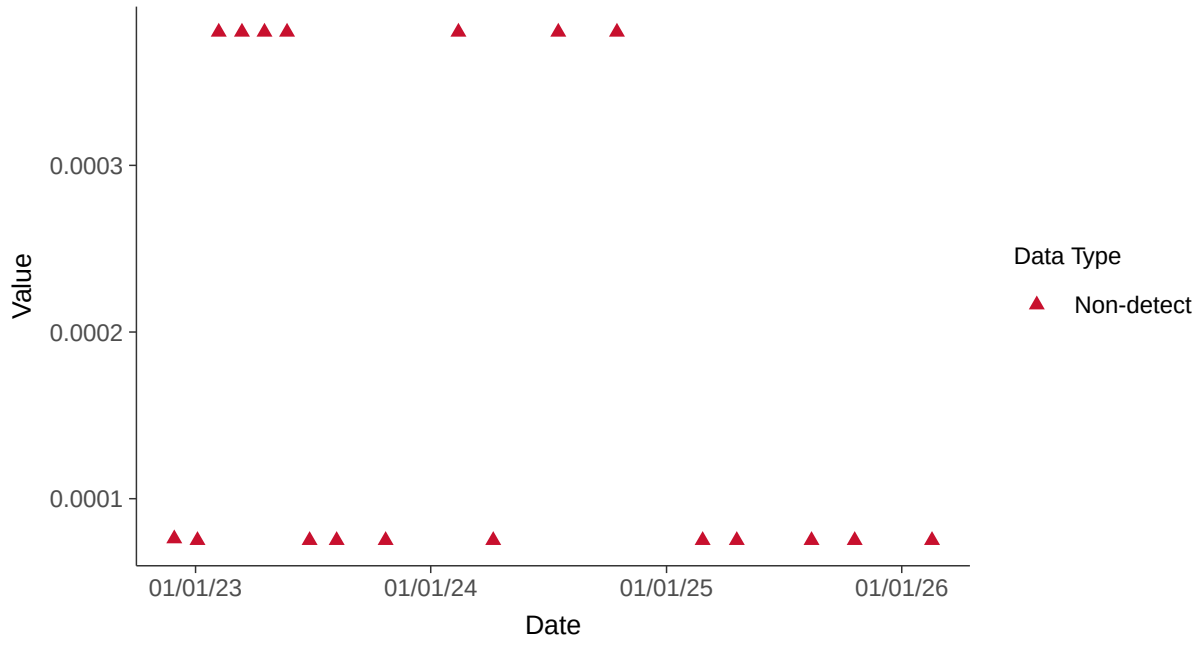


Appendix IV: Thallium, MW-10

ID: 20_3_4_125

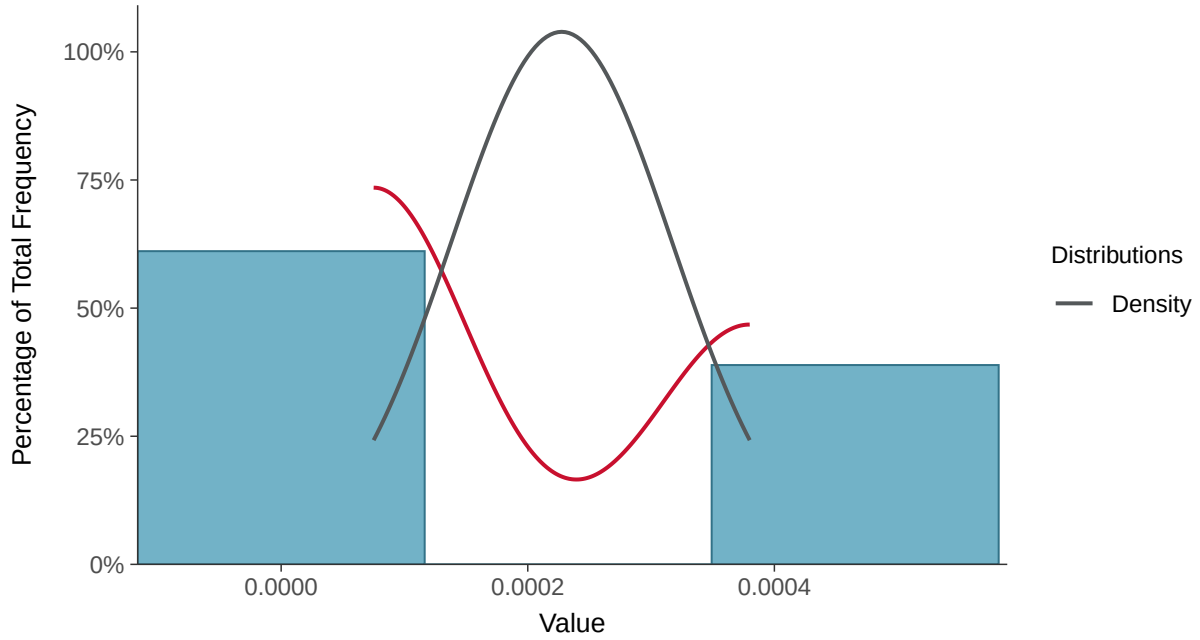
Scatter Plot

Thallium, MW-10 (mg/L)



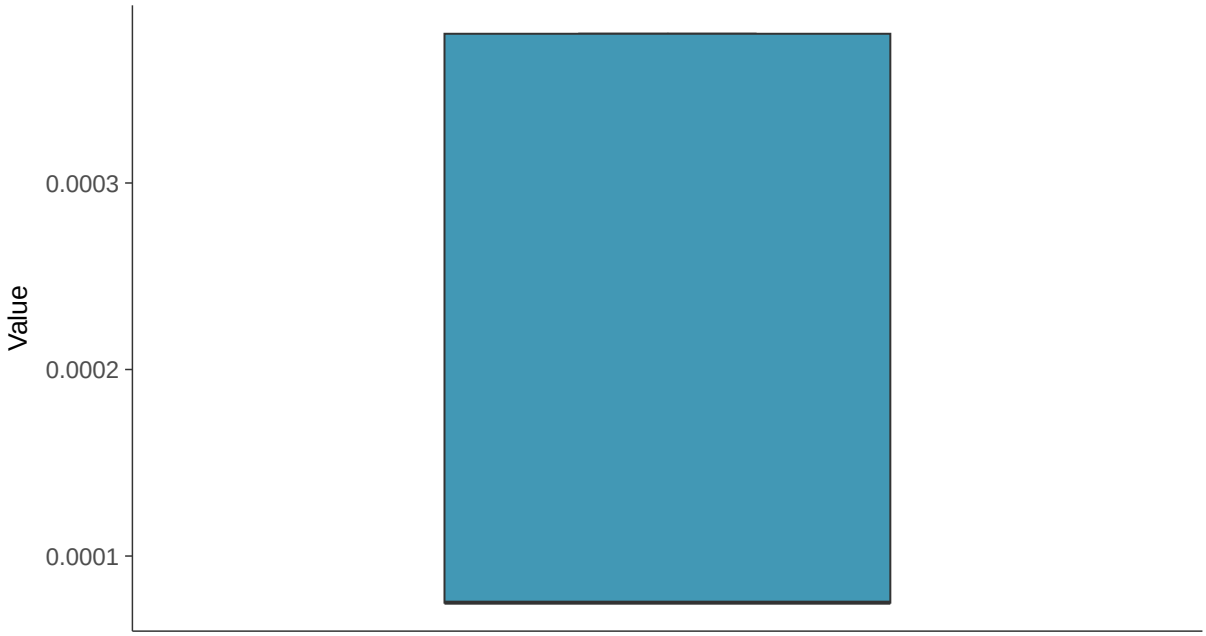
Histogram

Thallium, MW-10 (mg/L)



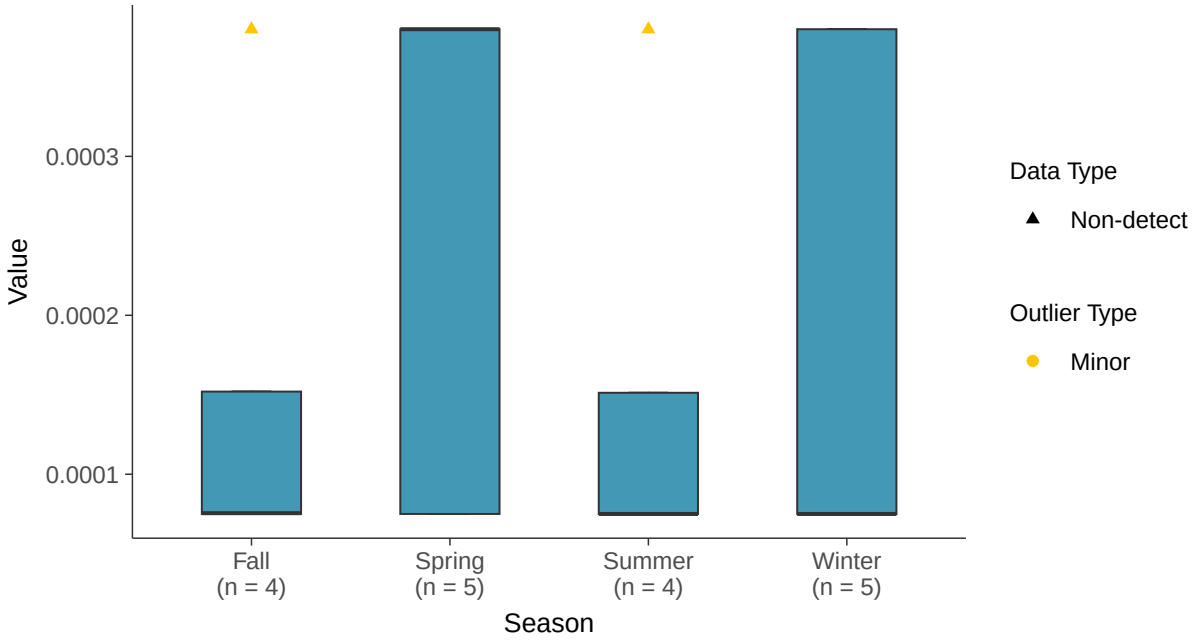
Boxplot

Thallium, MW-10 (mg/L)



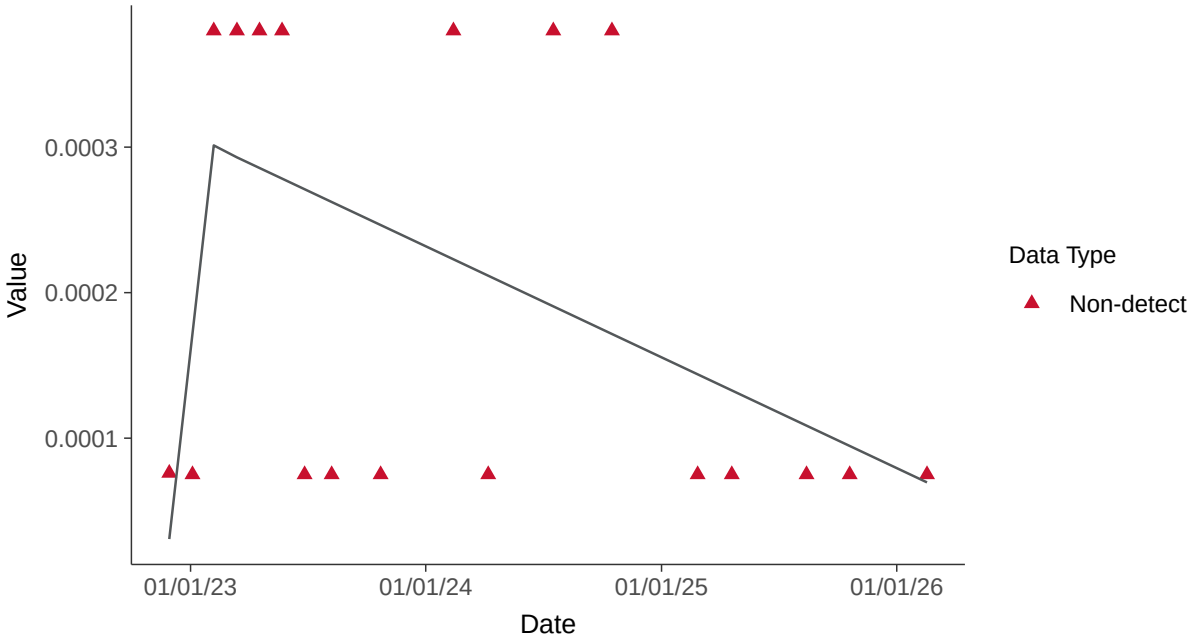
Boxplot by Season

Thallium, MW-10 (mg/L)



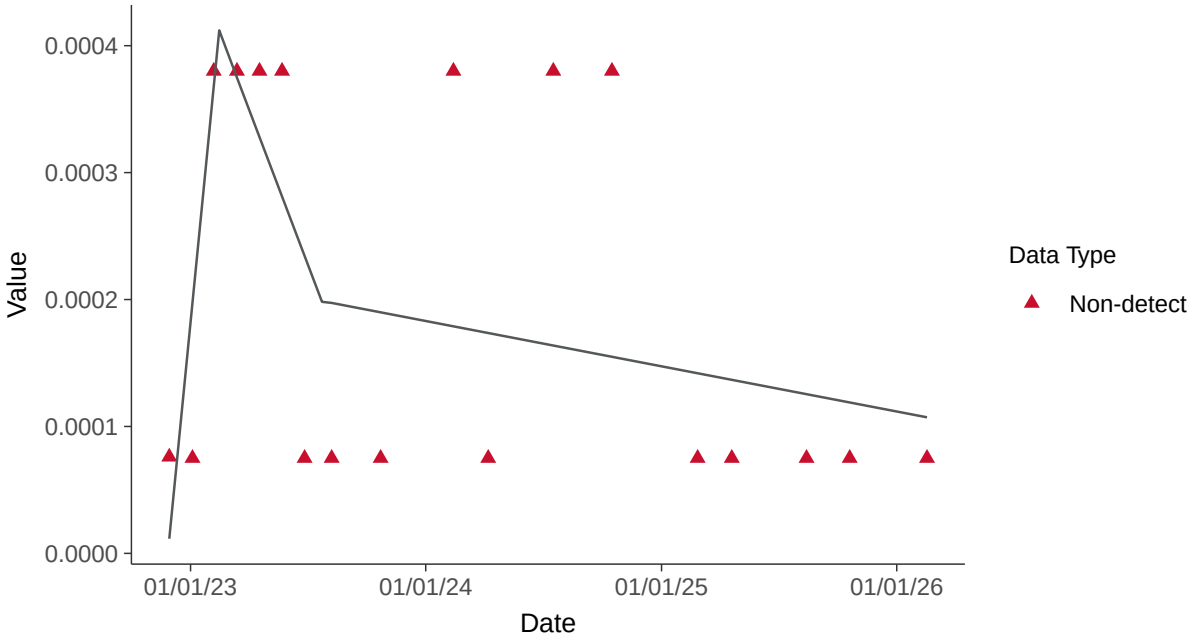
Trend Regression: Piecewise Linear-Linear

Thallium, MW-10 (mg/L)



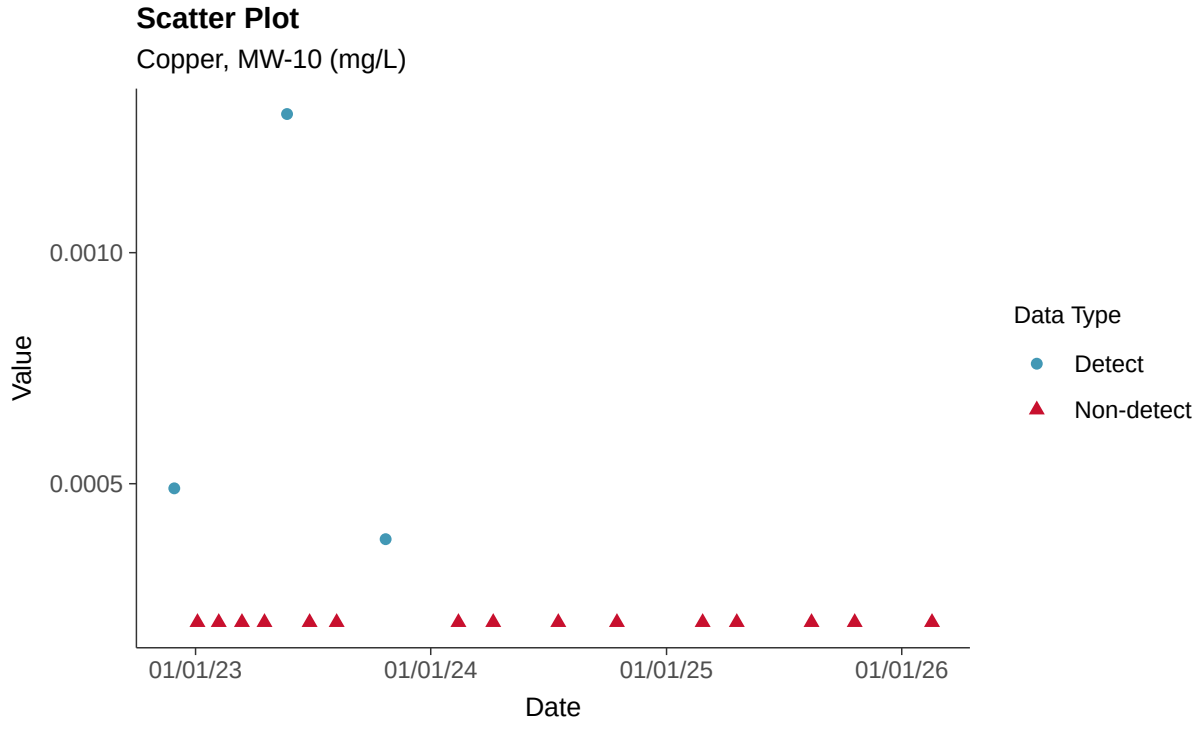
Trend Regression: Piecewise Linear-Linear-Linear

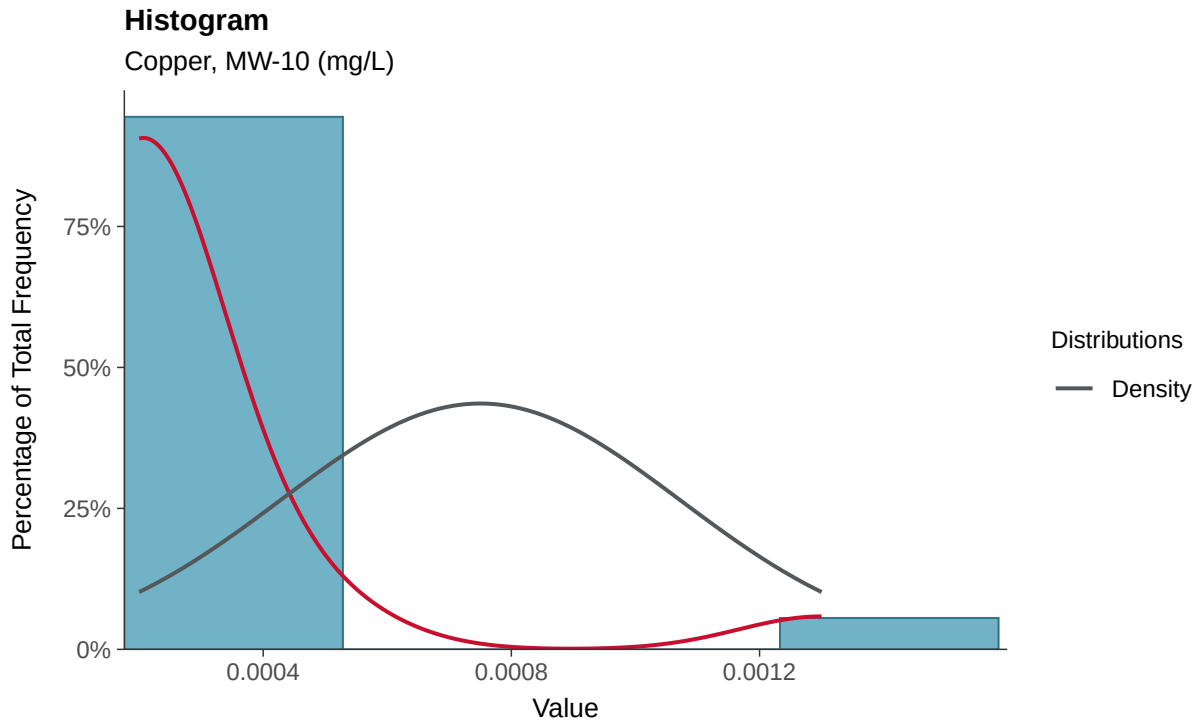
Thallium, MW-10 (mg/L)



Part 115: Copper, MW-10

ID: 20_3_5_111



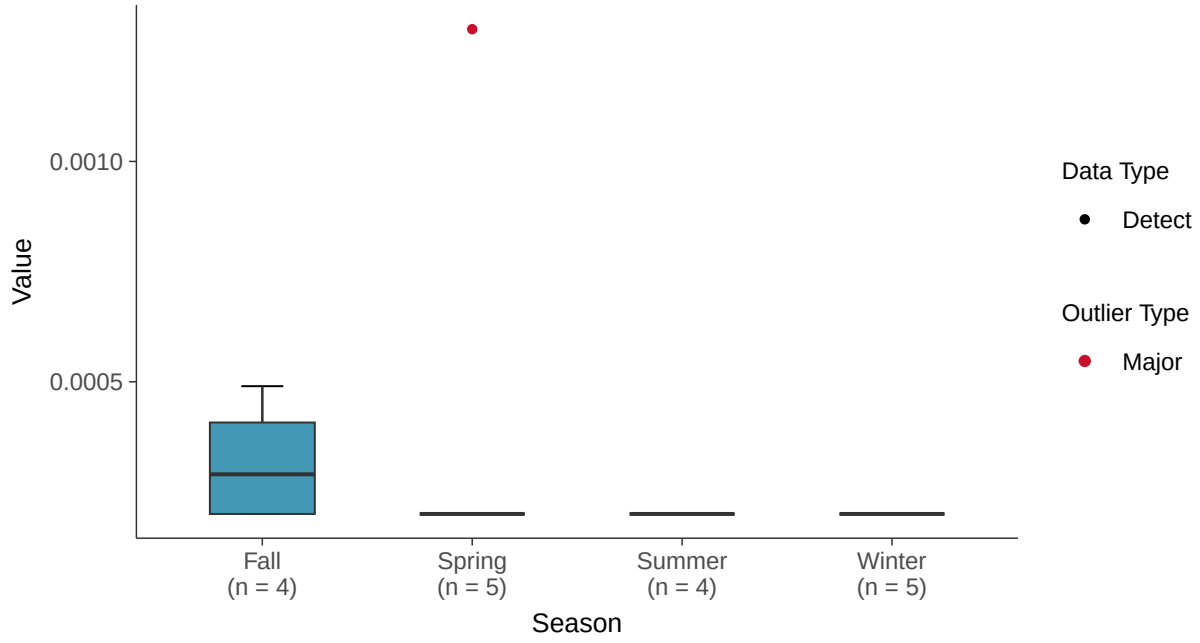


Boxplot

Copper, MW-10 (mg/L)

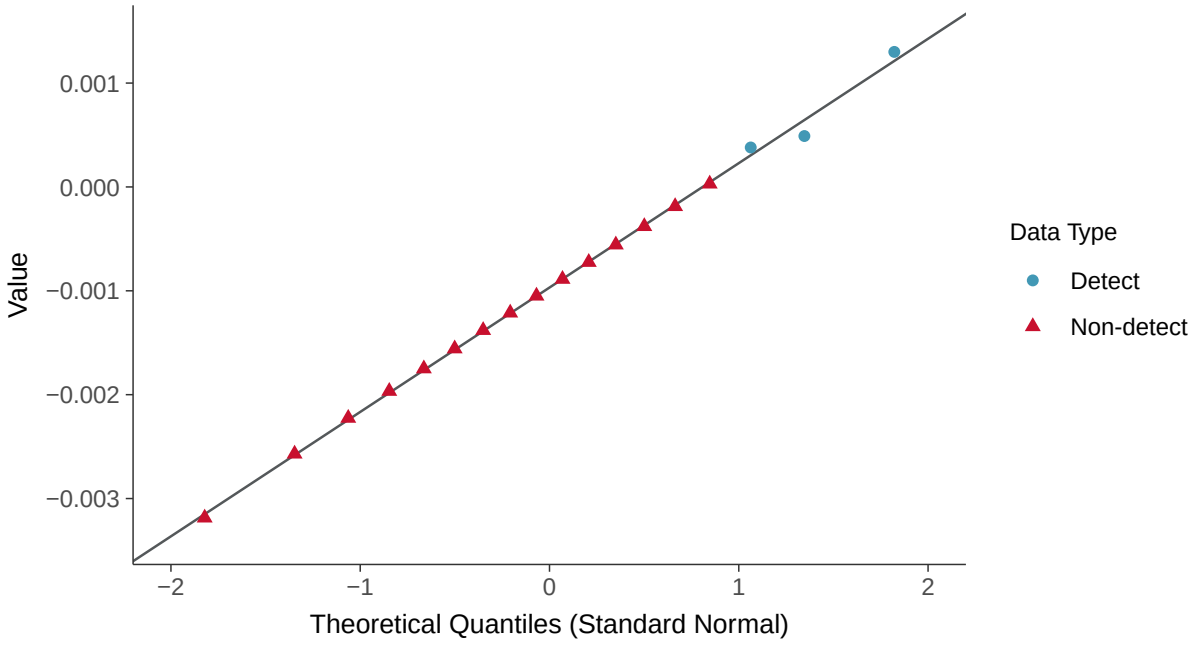
Boxplot by Season

Copper, MW-10 (mg/L)



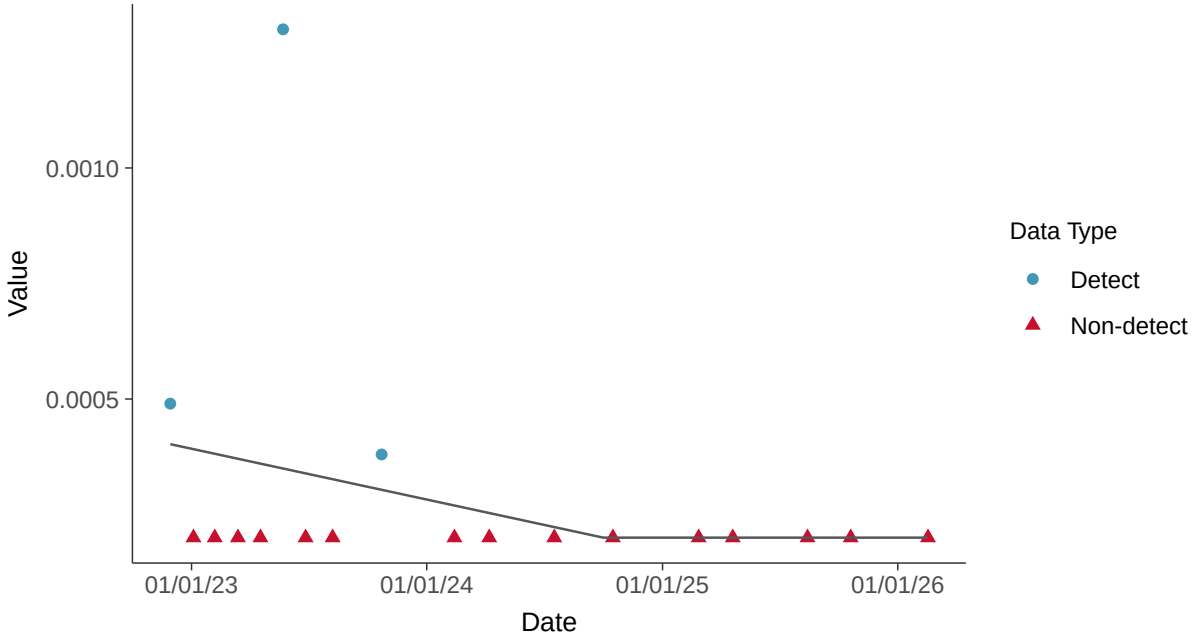
Normal Q-Q plot using ROS Imputed Estimates

Copper, MW-10 (mg/L)



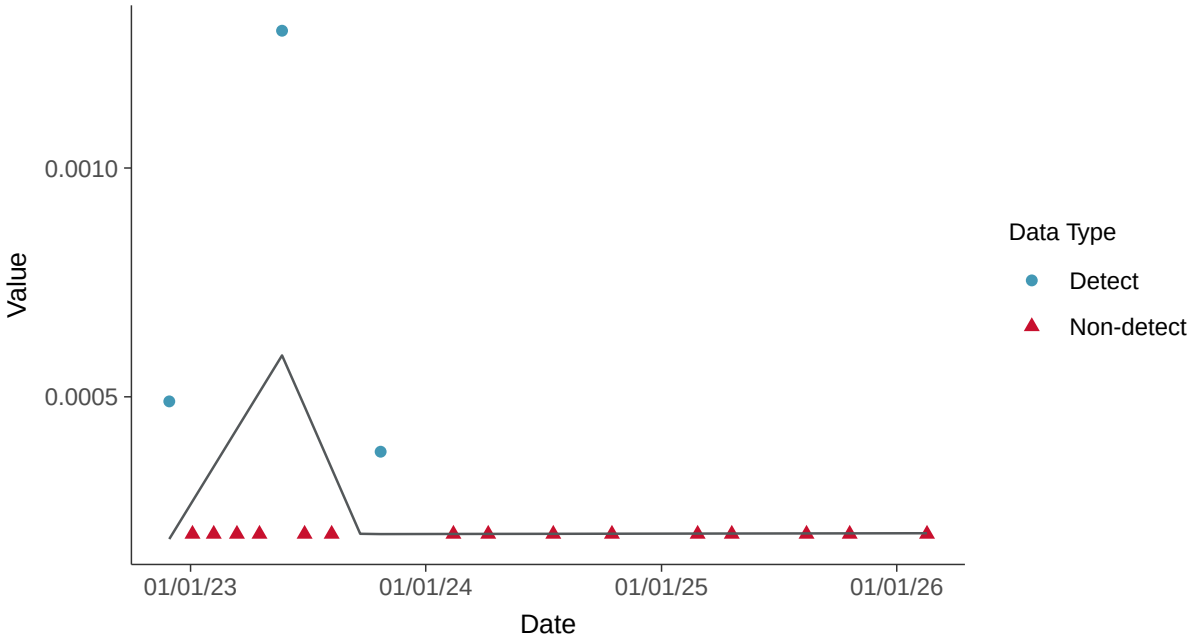
Trend Regression: Piecewise Linear-Linear

Copper, MW-10 (mg/L)



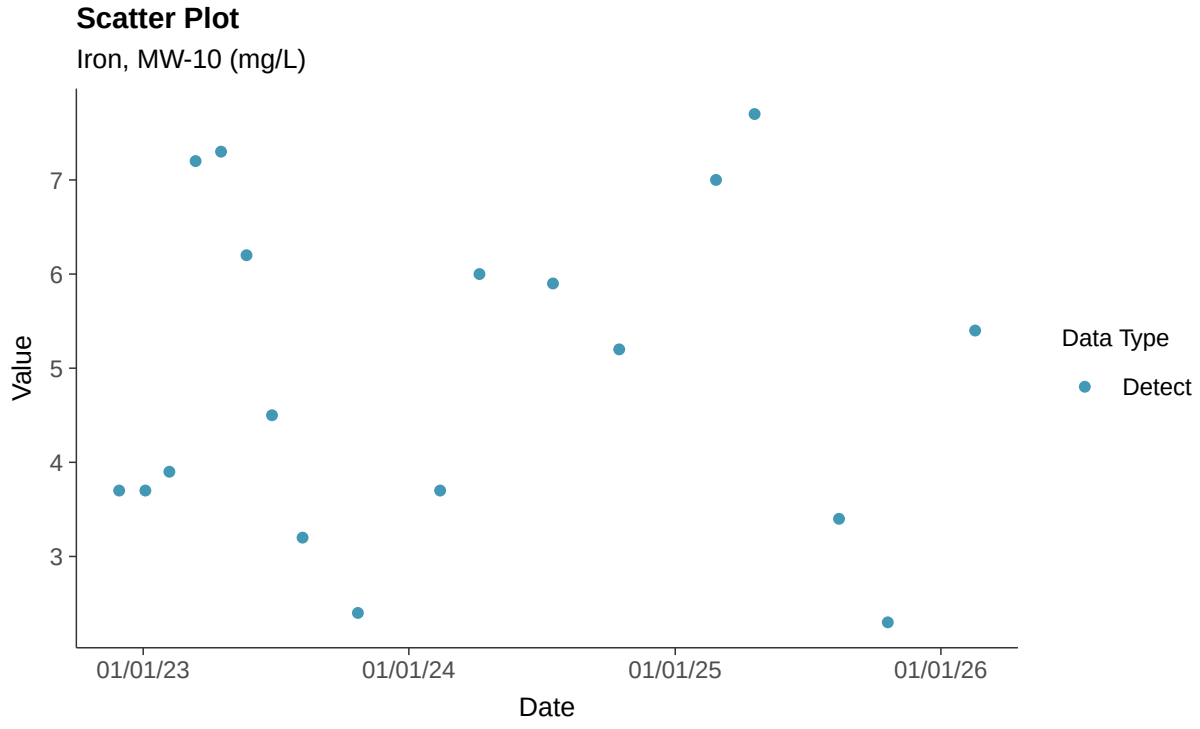
Trend Regression: Piecewise Linear-Linear-Linear

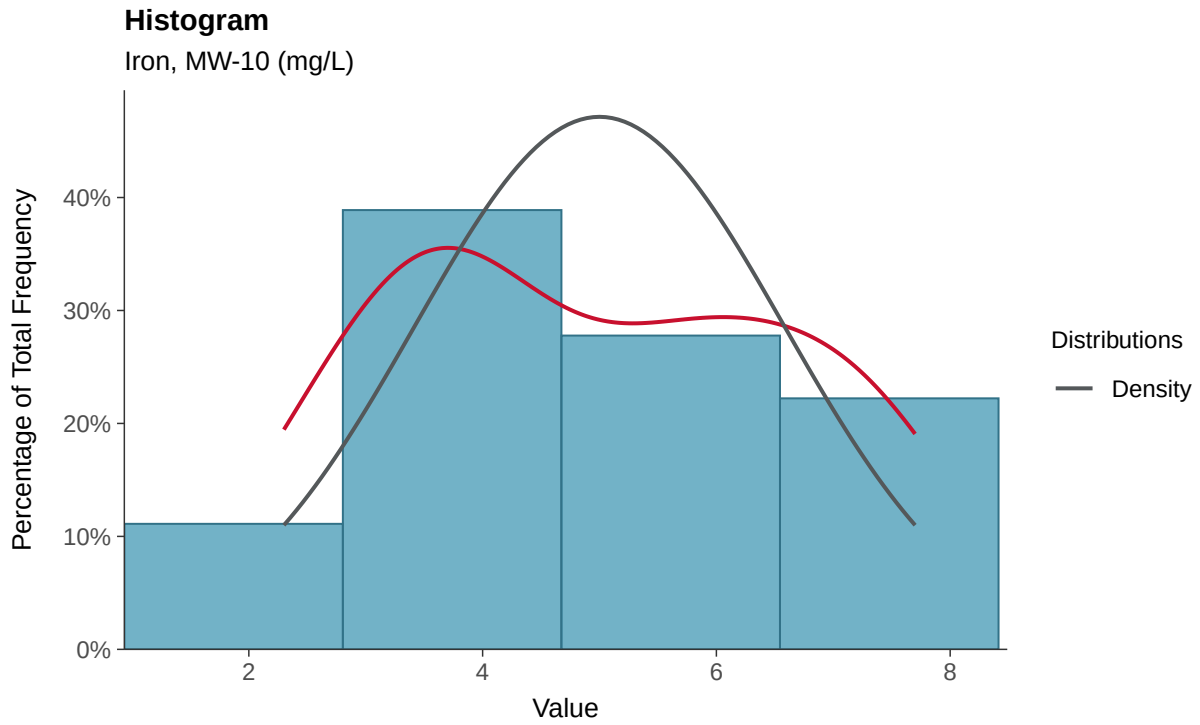
Copper, MW-10 (mg/L)



Part 115: Iron, MW-10

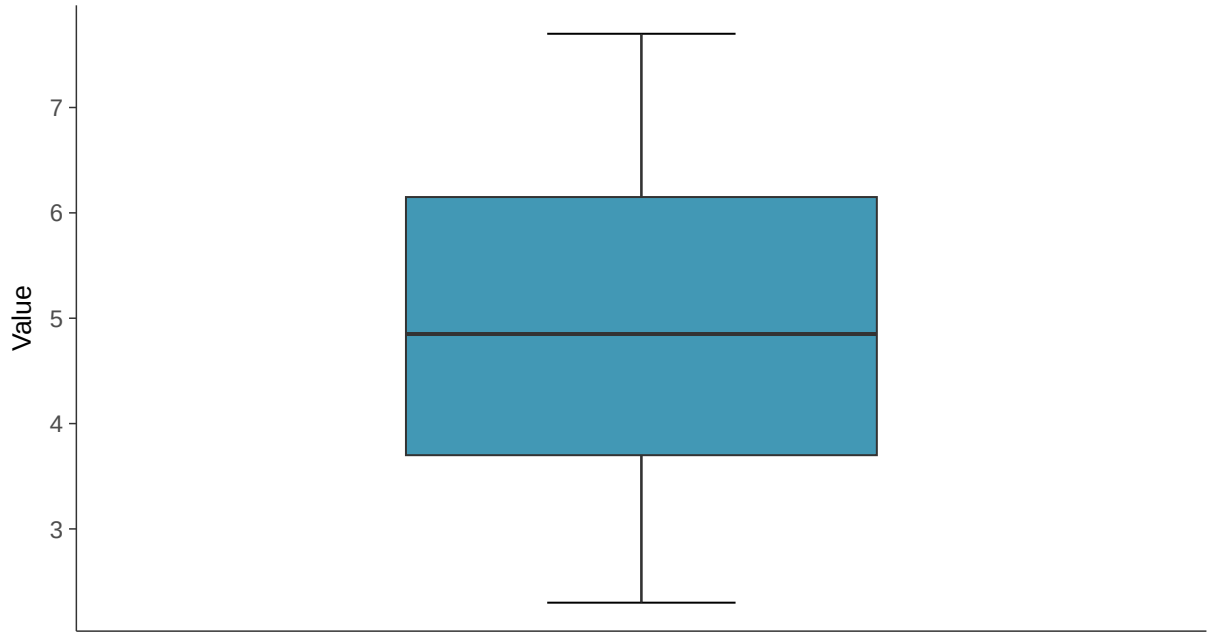
ID: 20_3_5_114





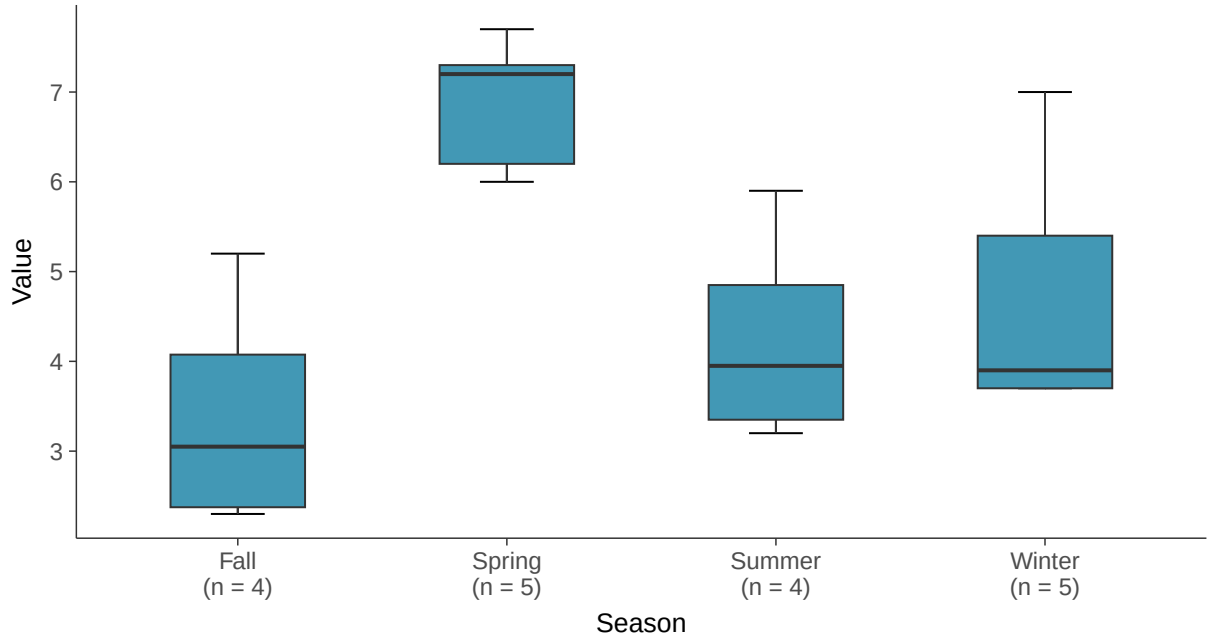
Boxplot

Iron, MW-10 (mg/L)



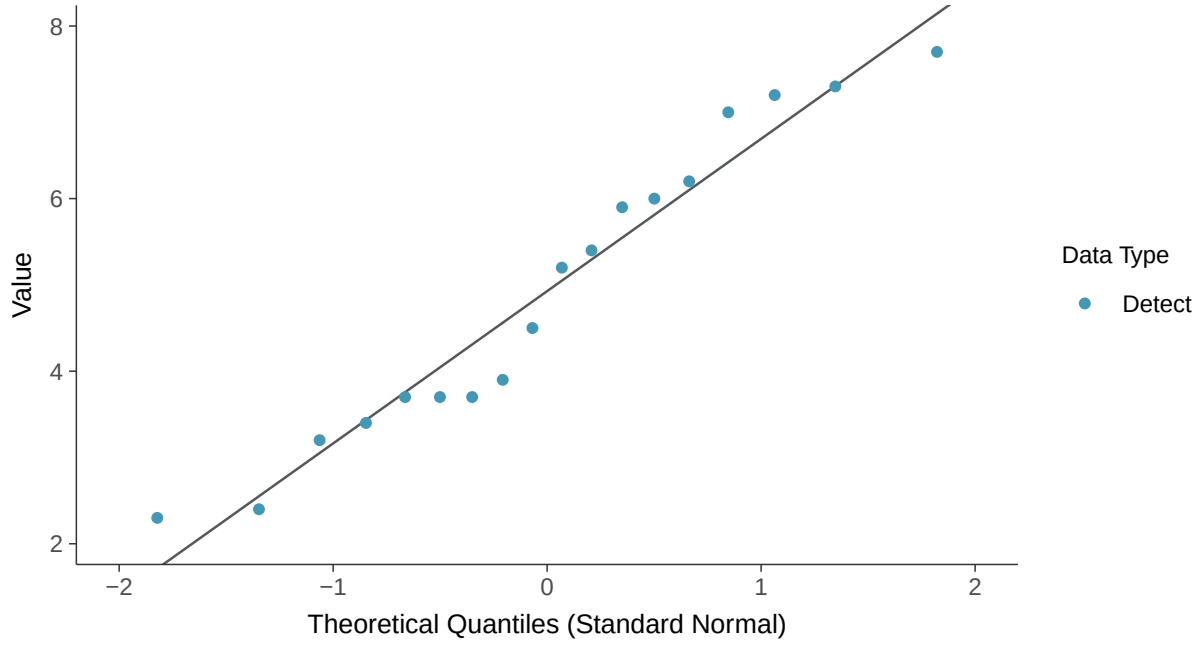
Boxplot by Season

Iron, MW-10 (mg/L)



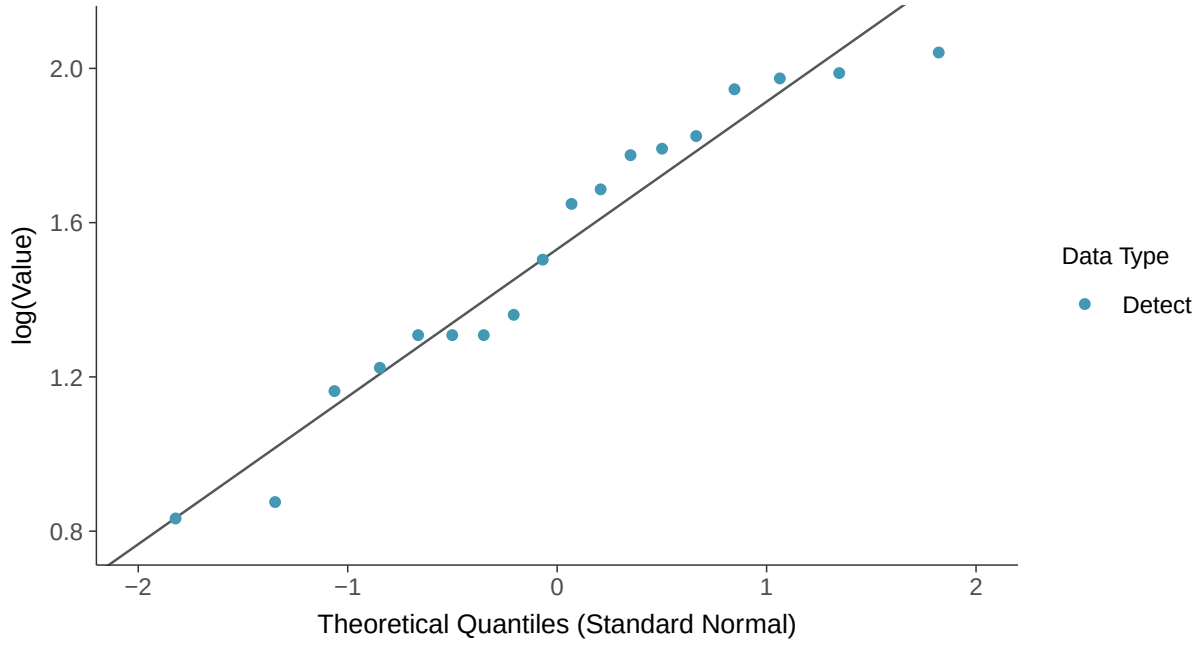
Normal Q-Q plot

Iron, MW-10 (mg/L)



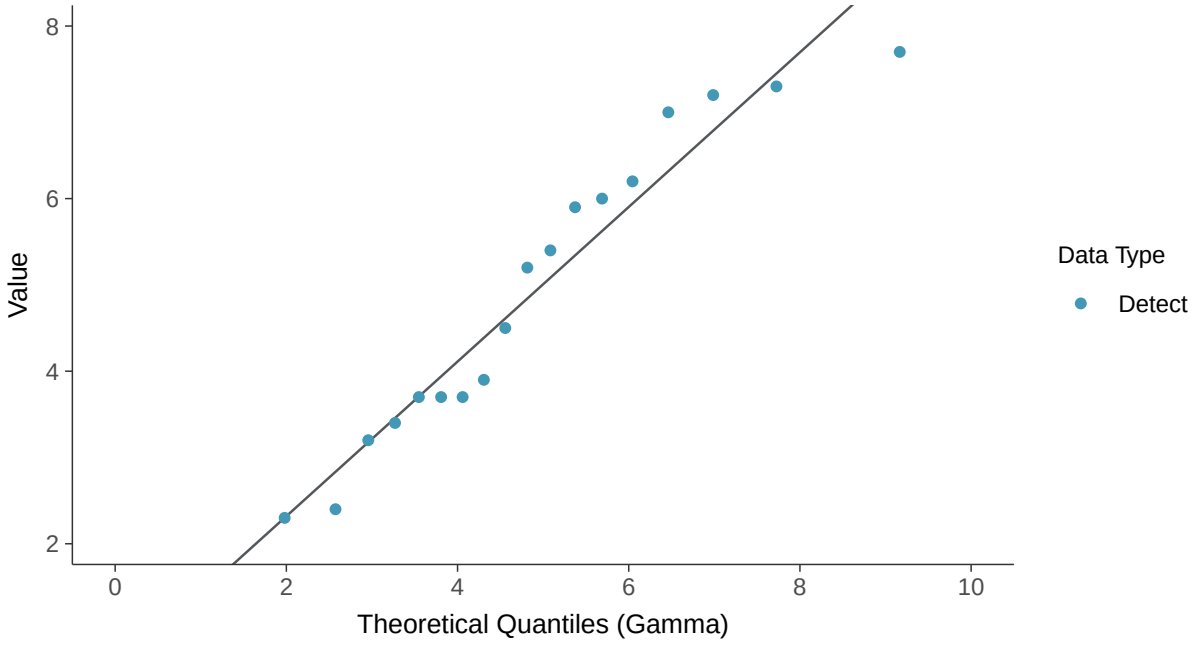
Lognormal Q-Q plot

Iron, MW-10 (mg/L)



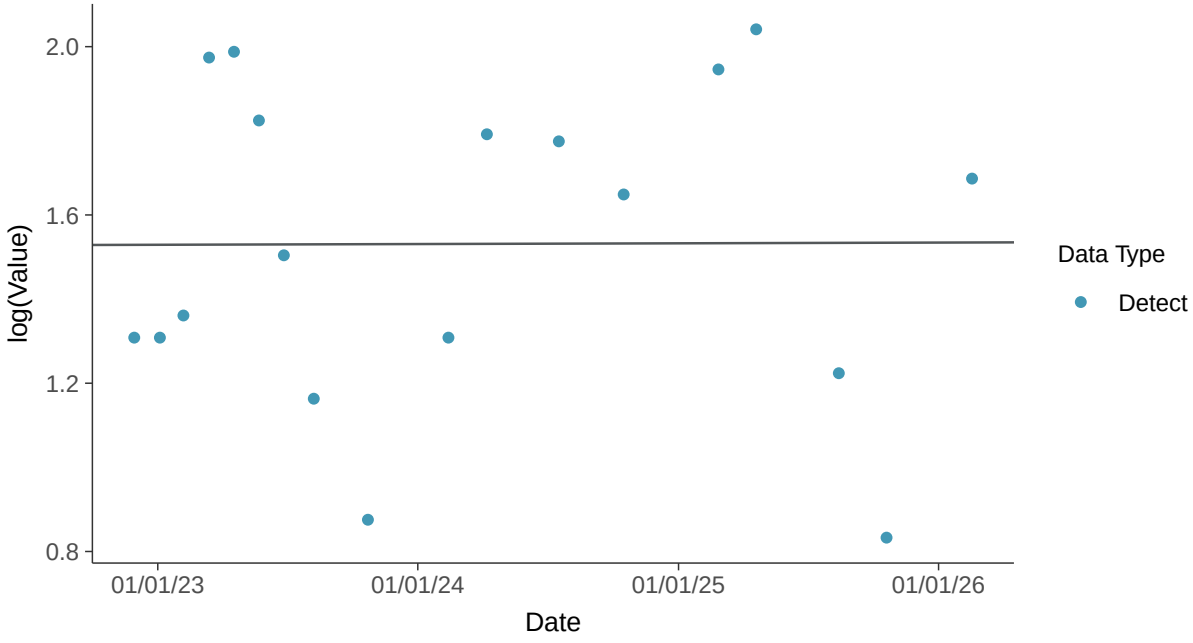
Gamma Q-Q plot

Iron, MW-10 (mg/L)



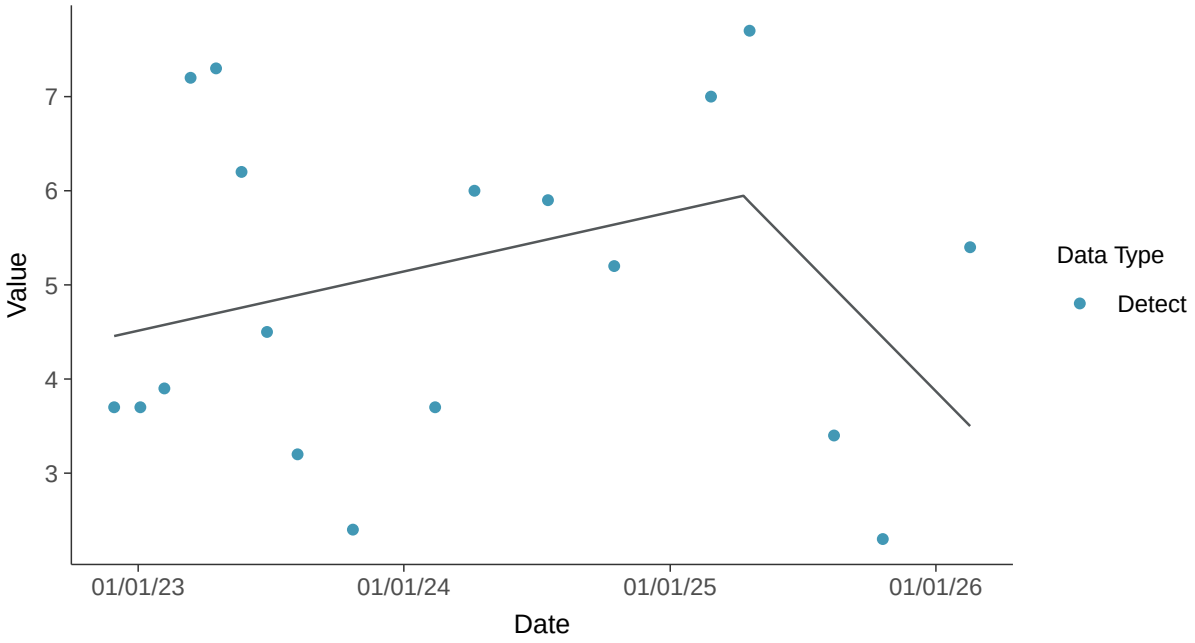
Trend Regression: Lognormal MLE

Iron, MW-10 (mg/L)



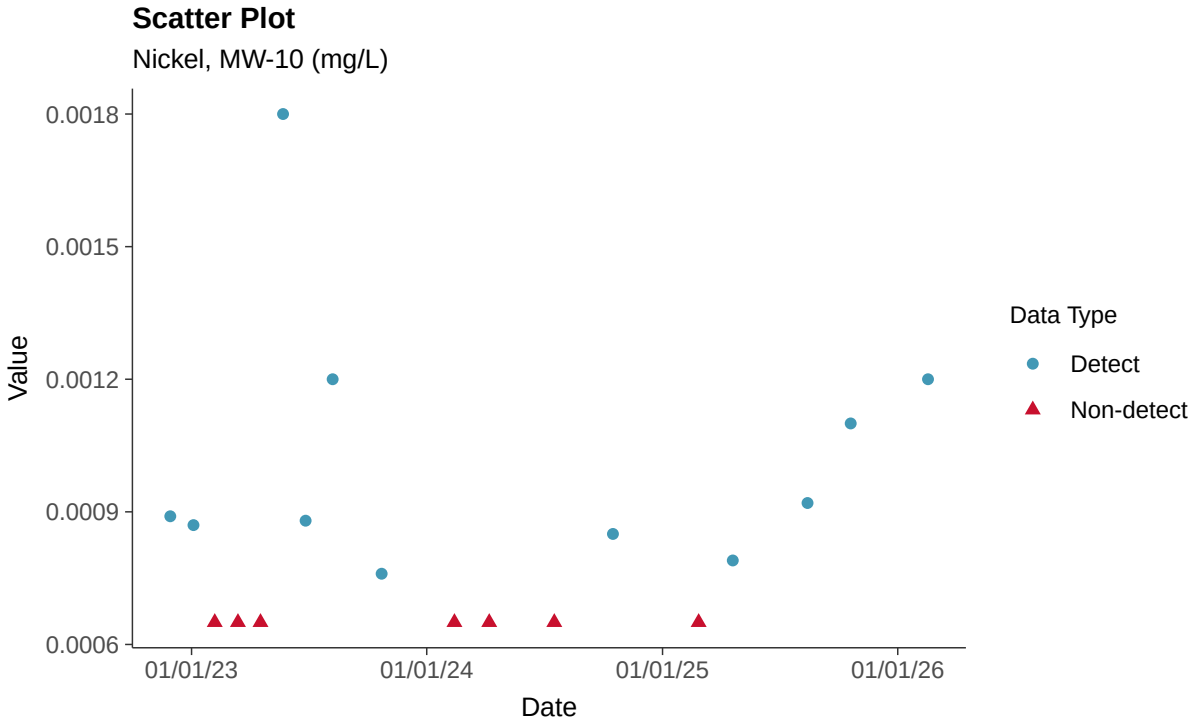
Trend Regression: Piecewise Linear-Linear

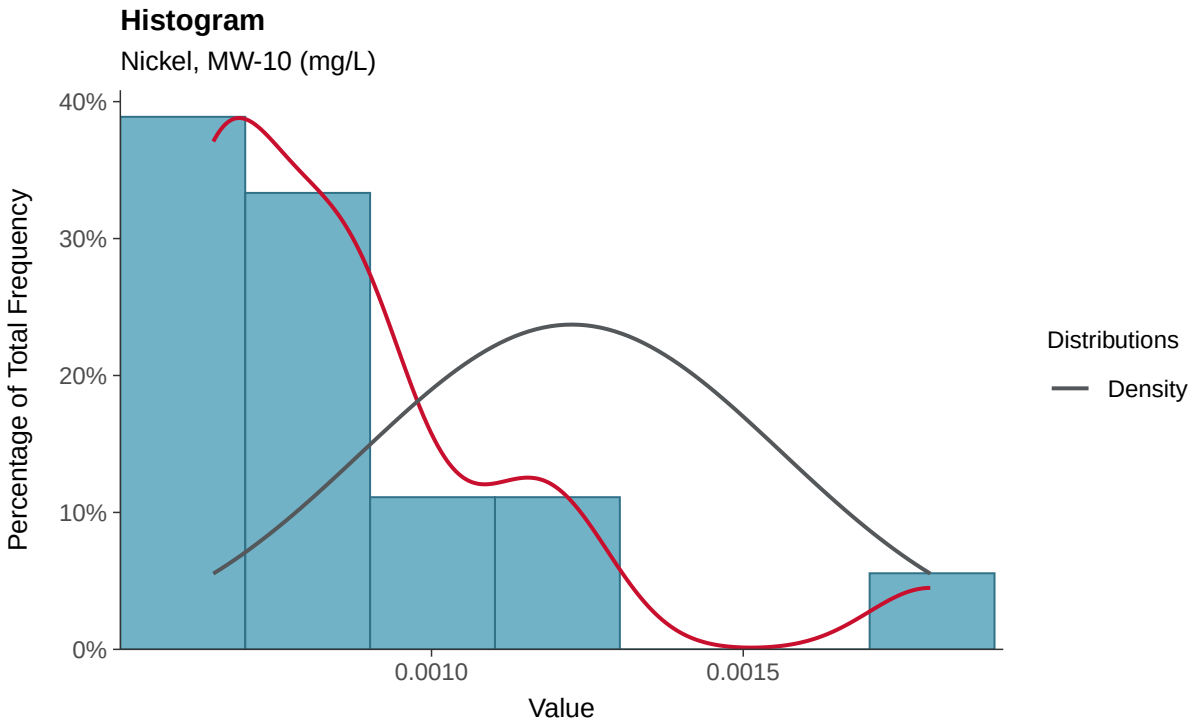
Iron, MW-10 (mg/L)



Part 115: Nickel, MW-10

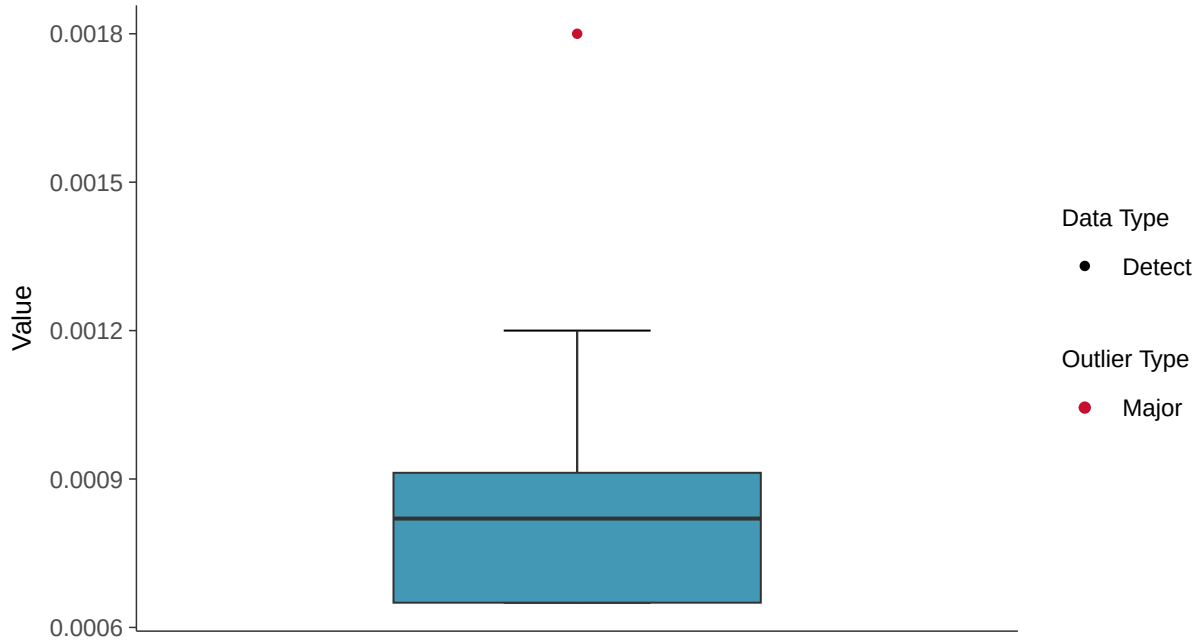
ID: 20_3_5_119





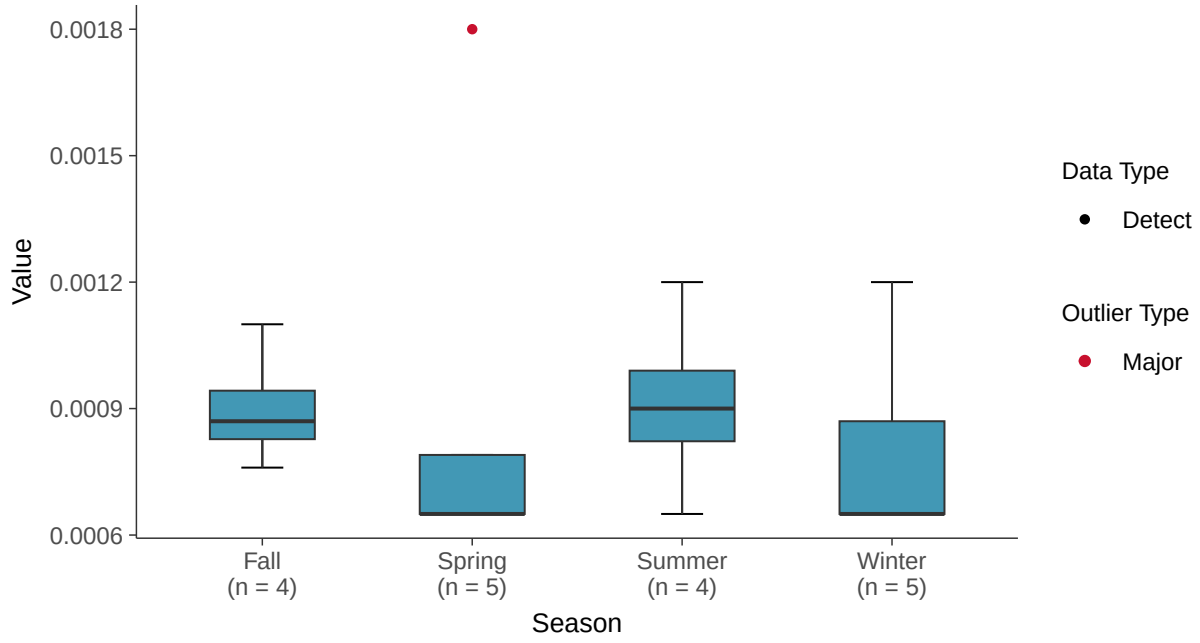
Boxplot

Nickel, MW-10 (mg/L)



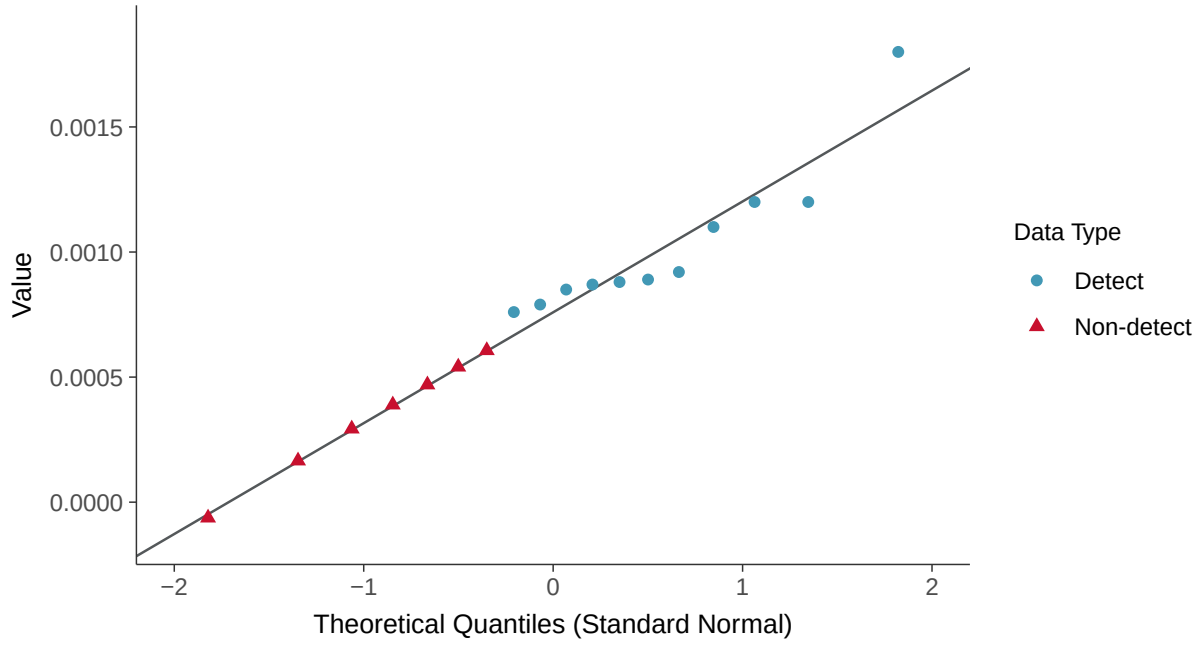
Boxplot by Season

Nickel, MW-10 (mg/L)



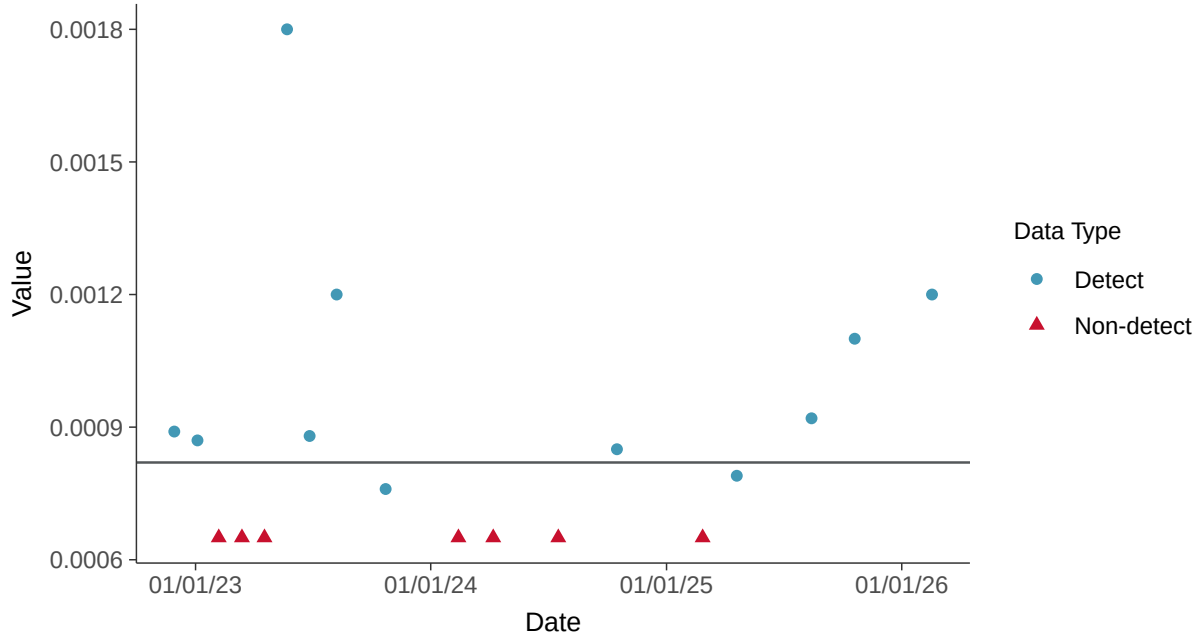
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-10 (mg/L)



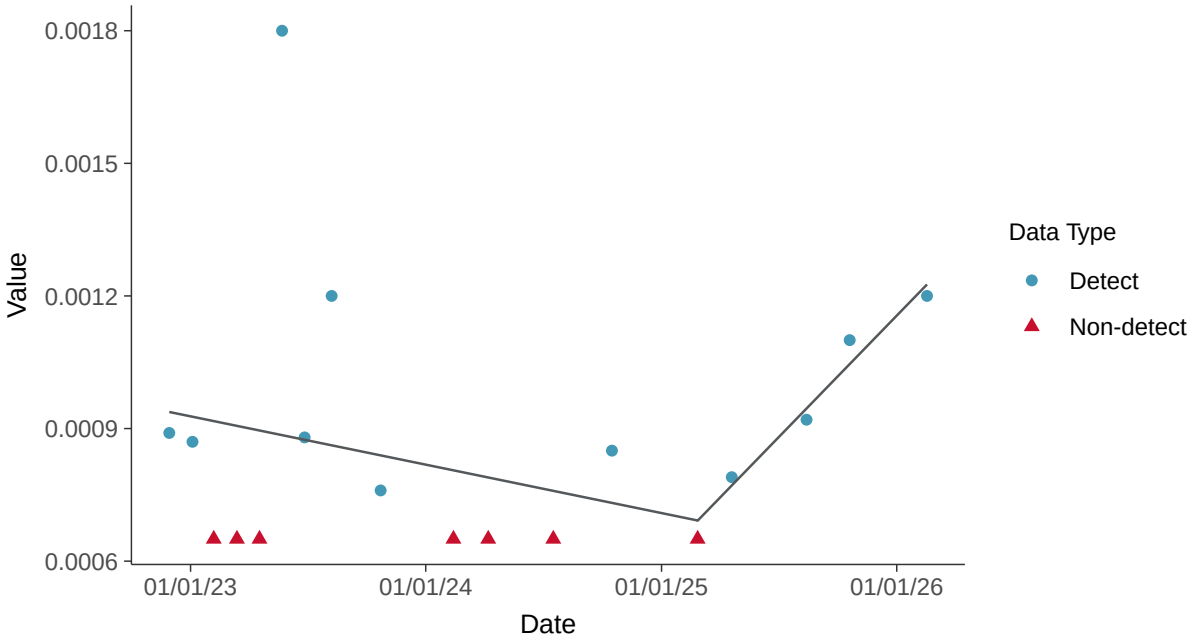
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Nickel, MW-10 (mg/L)



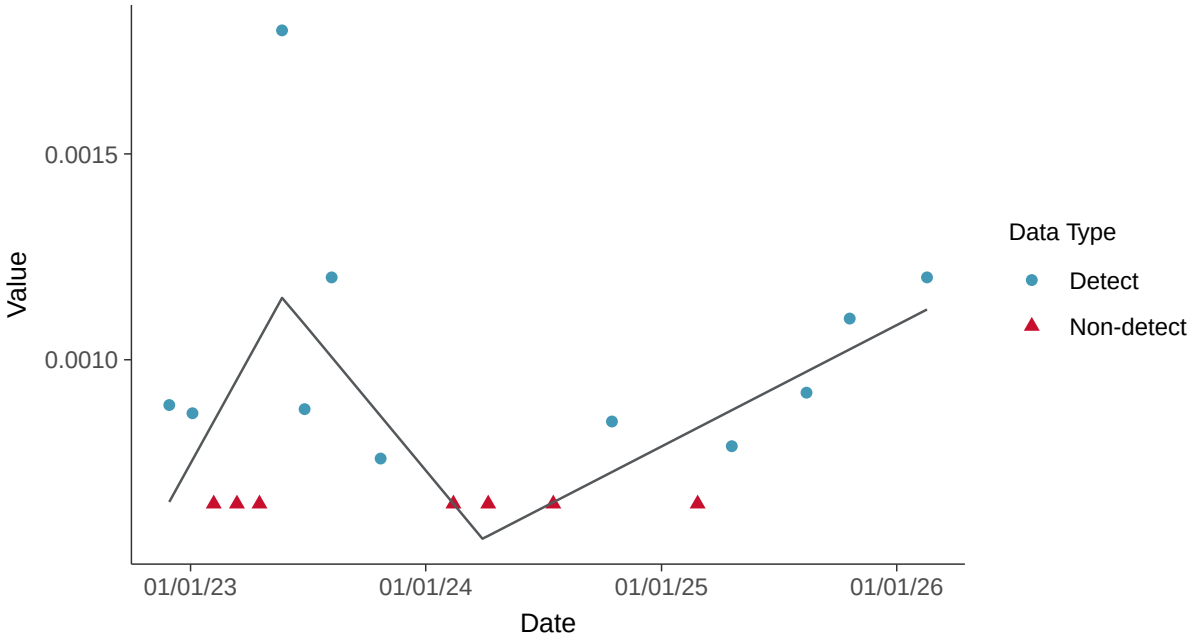
Trend Regression: Piecewise Linear-Linear

Nickel, MW-10 (mg/L)



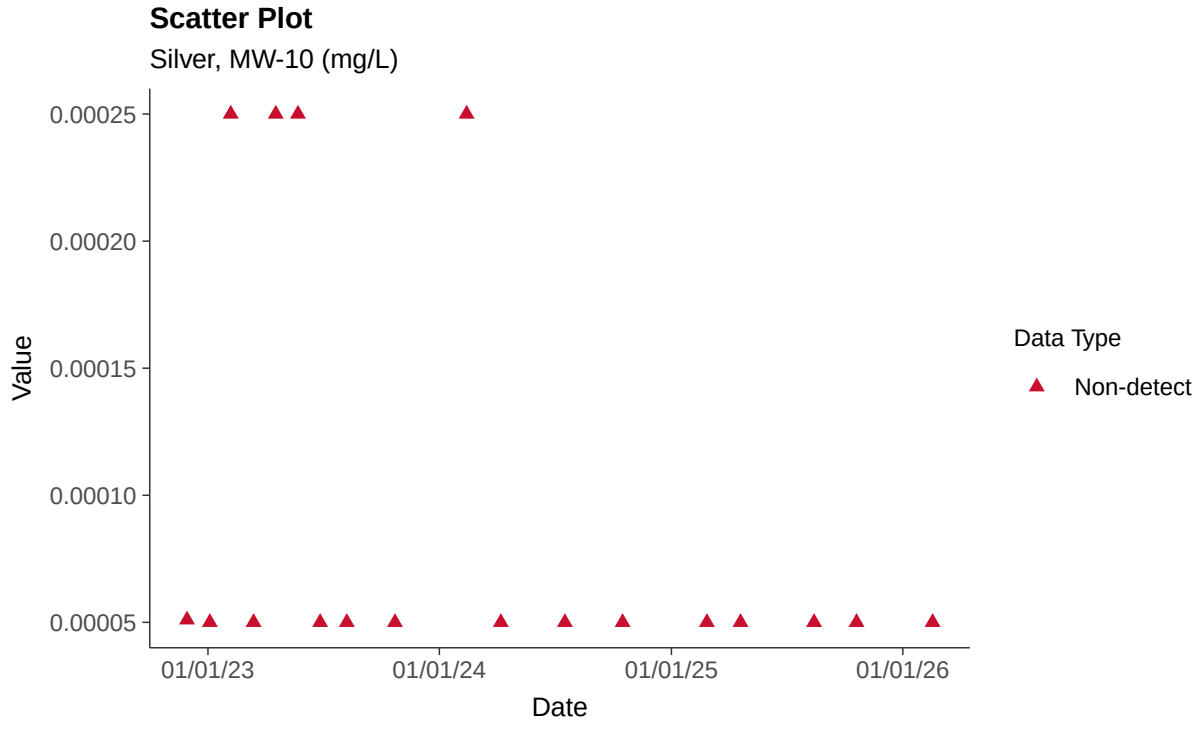
Trend Regression: Piecewise Linear-Linear-Linear

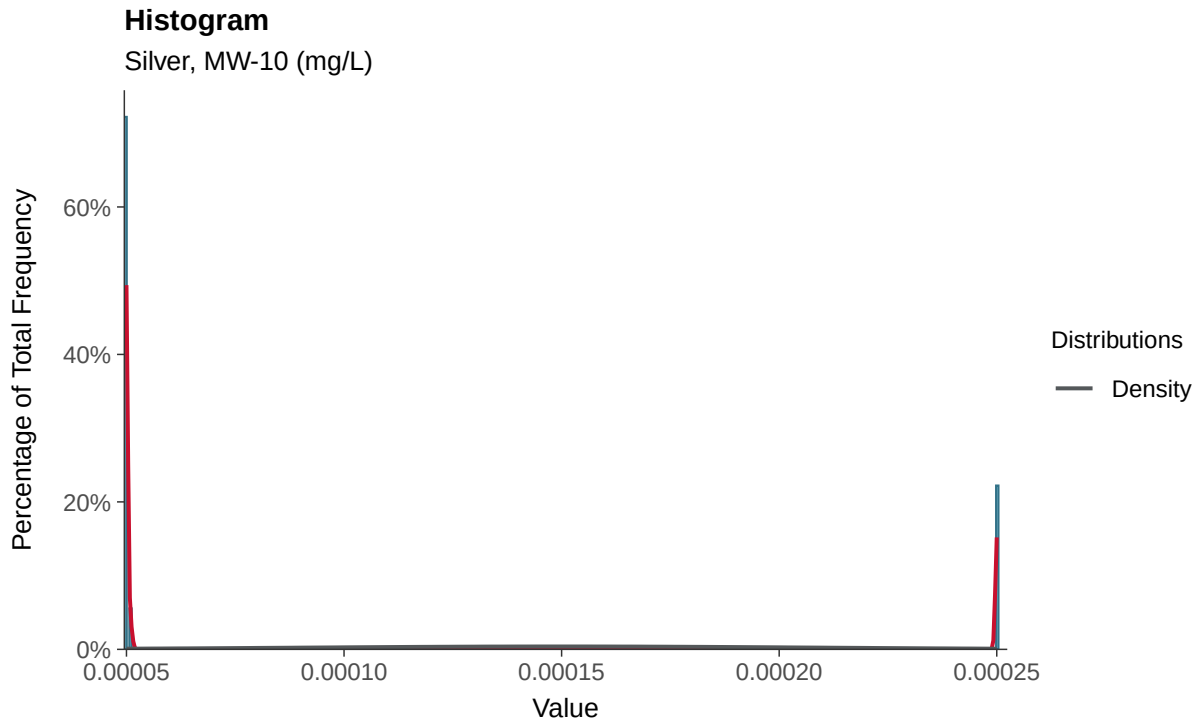
Nickel, MW-10 (mg/L)



Part 115: Silver, MW-10

ID: 20_3_5_123



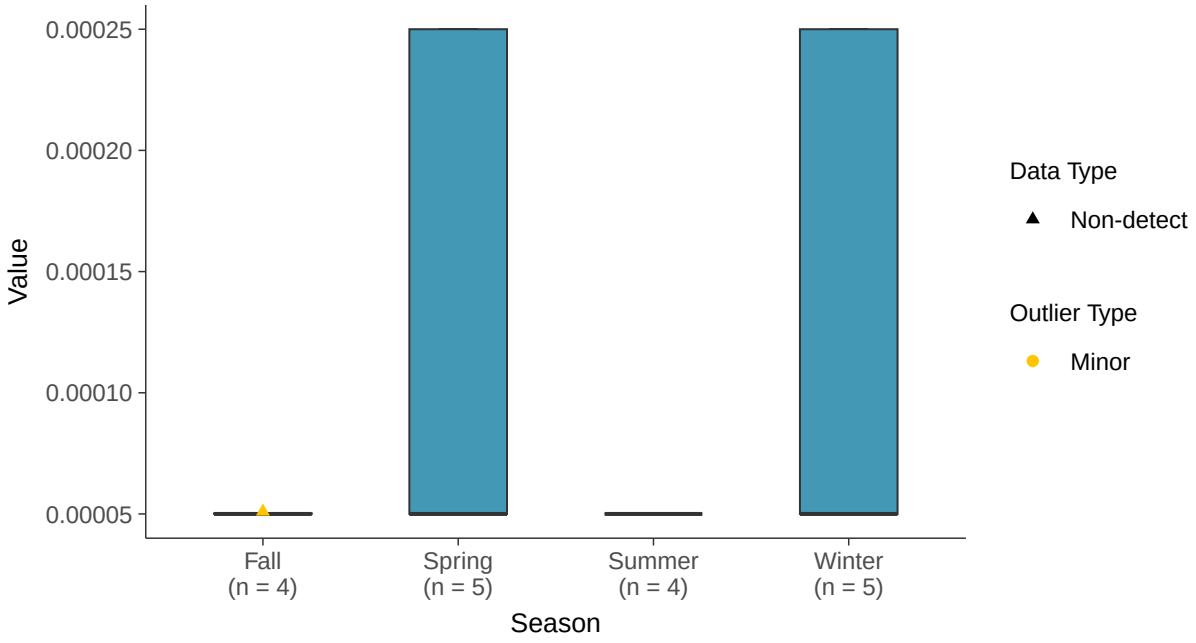


Boxplot

Silver, MW-10 (mg/L)

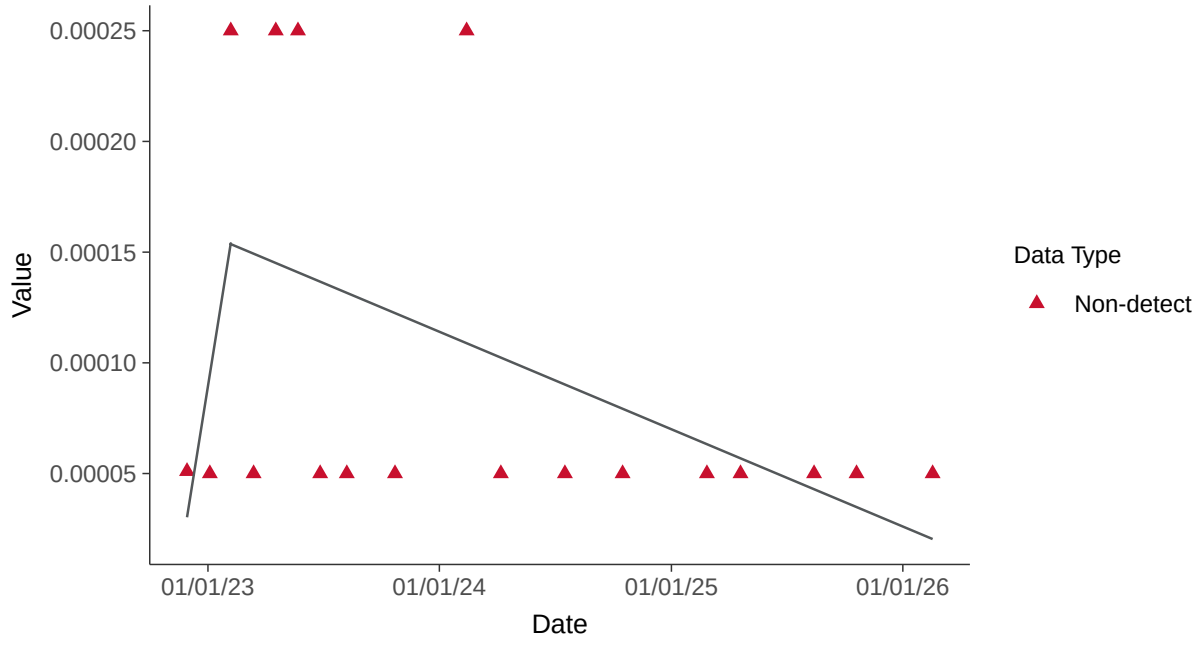
Boxplot by Season

Silver, MW-10 (mg/L)



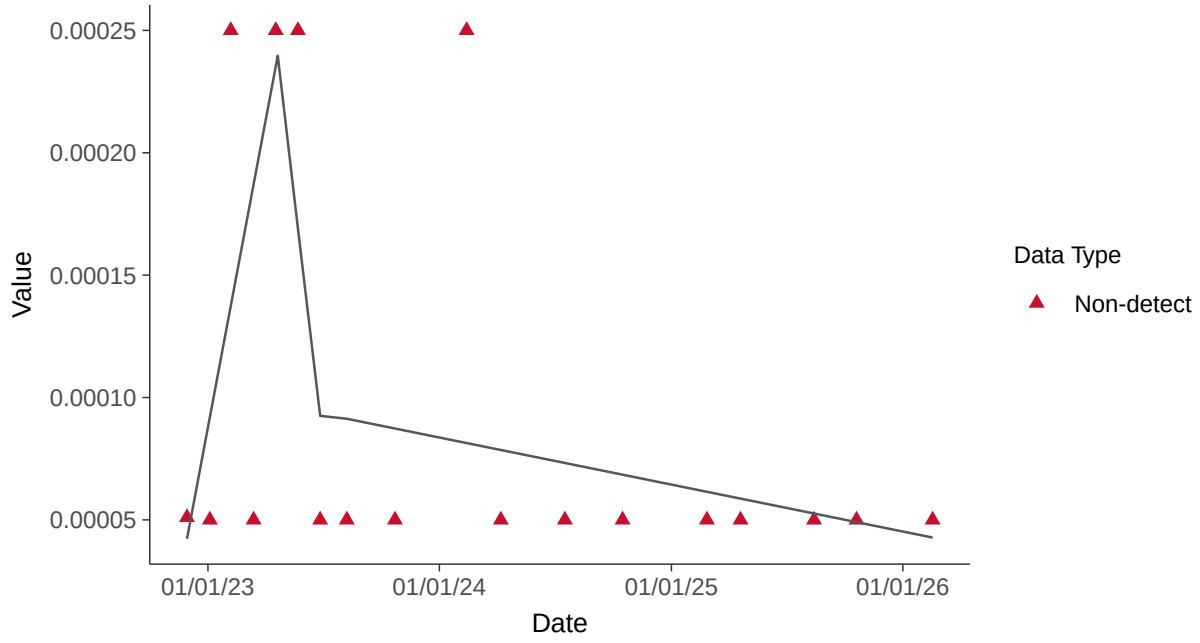
Trend Regression: Piecewise Linear-Linear

Silver, MW-10 (mg/L)



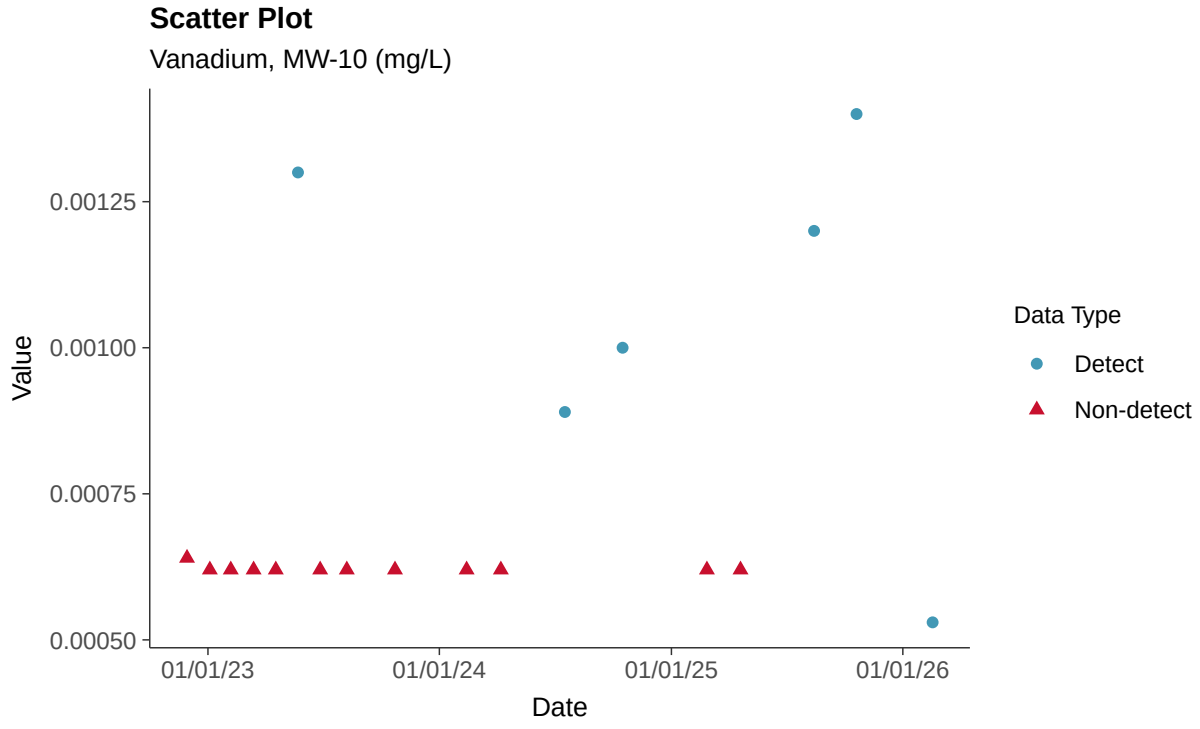
Trend Regression: Piecewise Linear-Linear-Linear

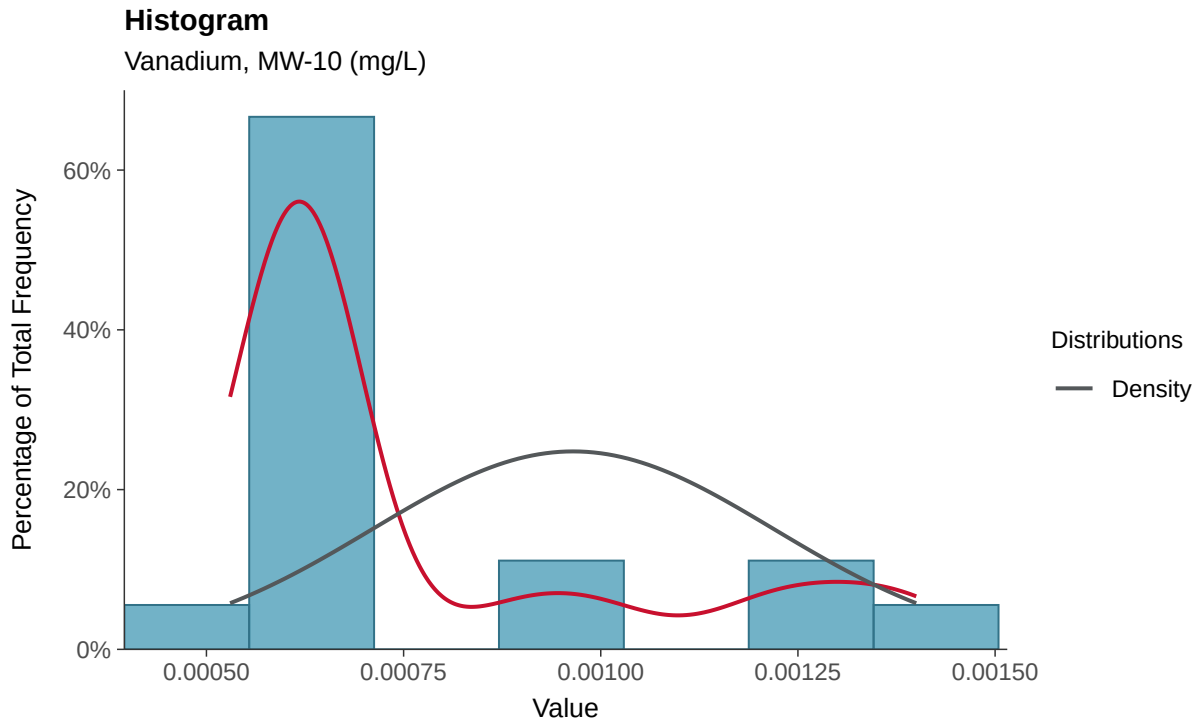
Silver, MW-10 (mg/L)



Part 115: Vanadium, MW-10

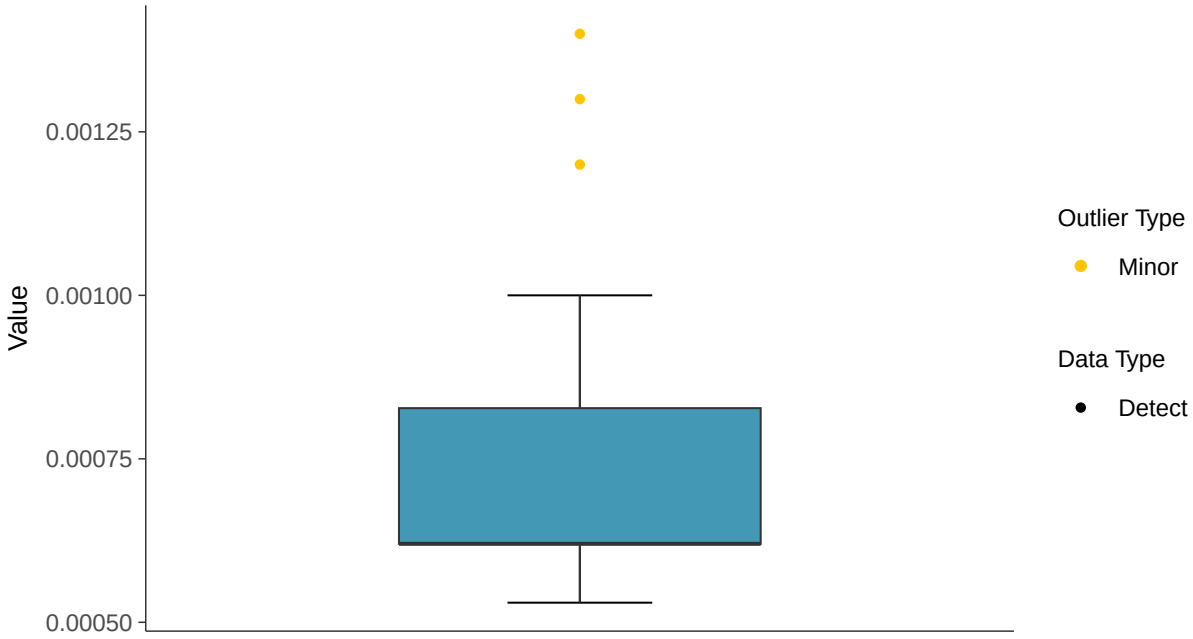
ID: 20_3_5_128





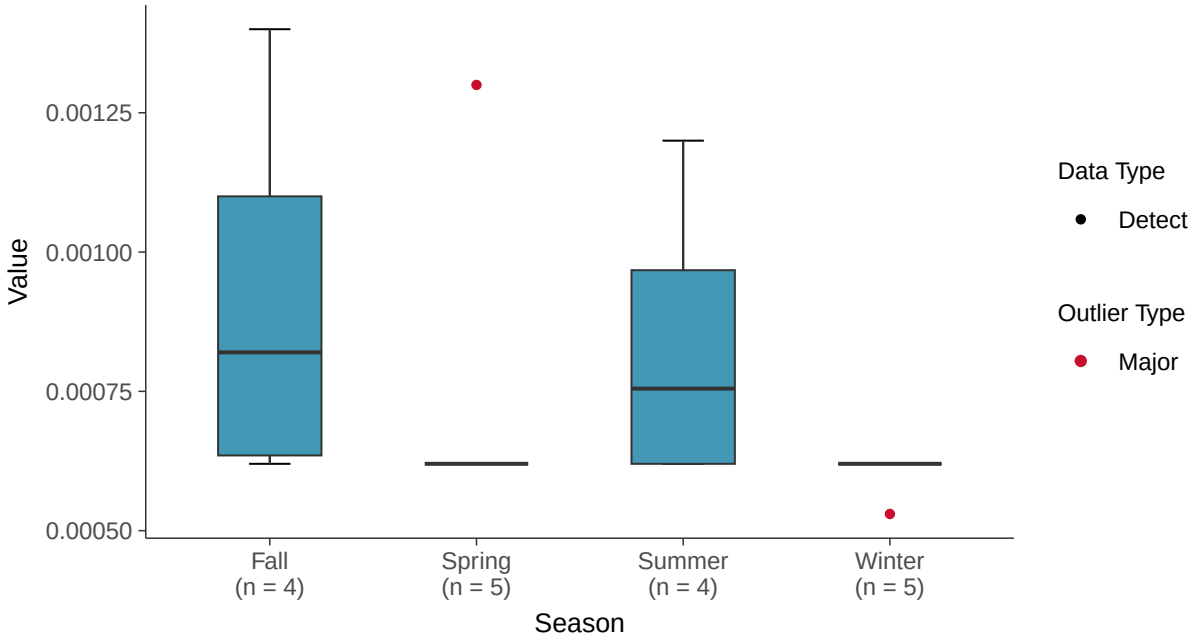
Boxplot

Vanadium, MW-10 (mg/L)



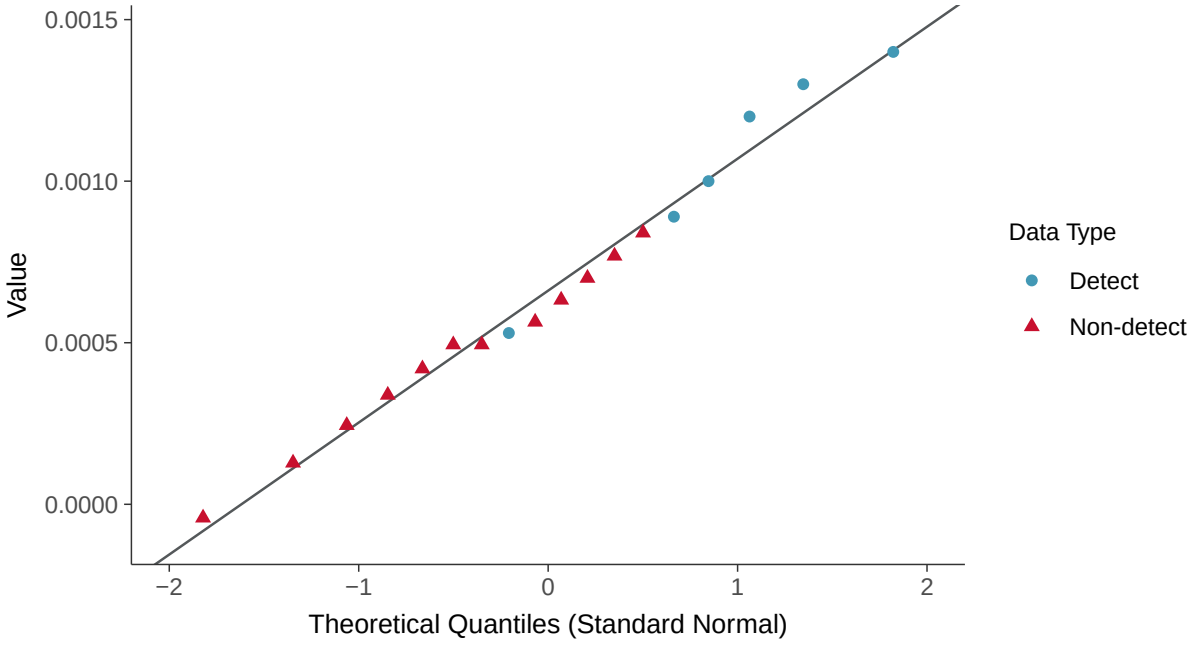
Boxplot by Season

Vanadium, MW-10 (mg/L)



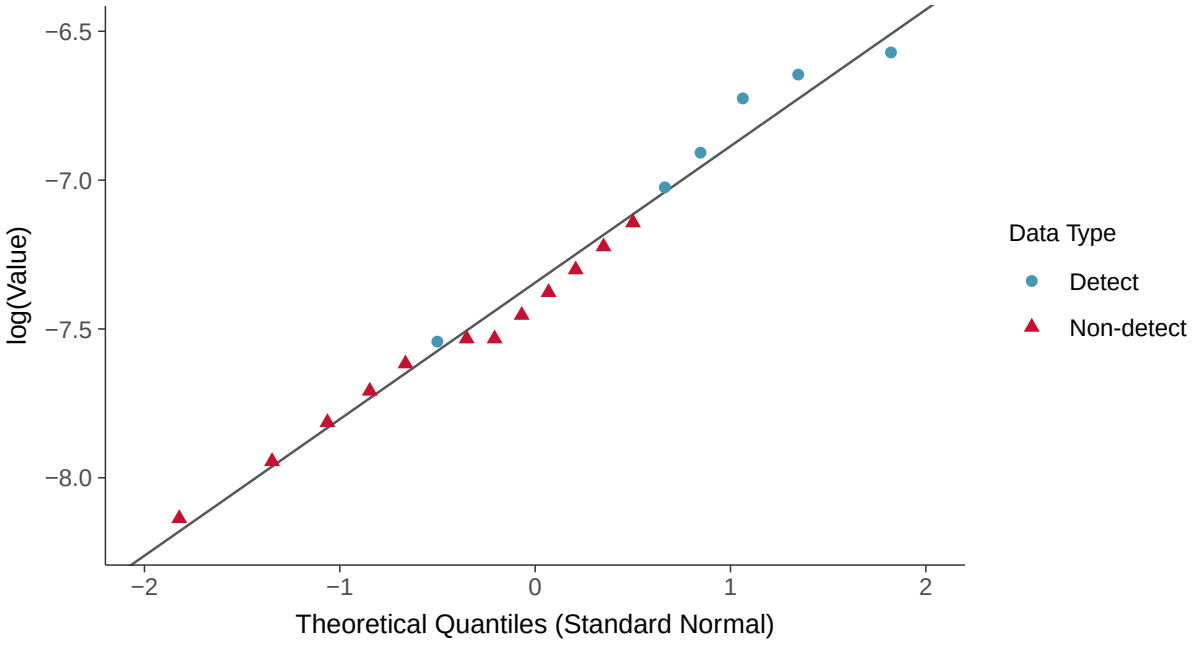
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-10 (mg/L)



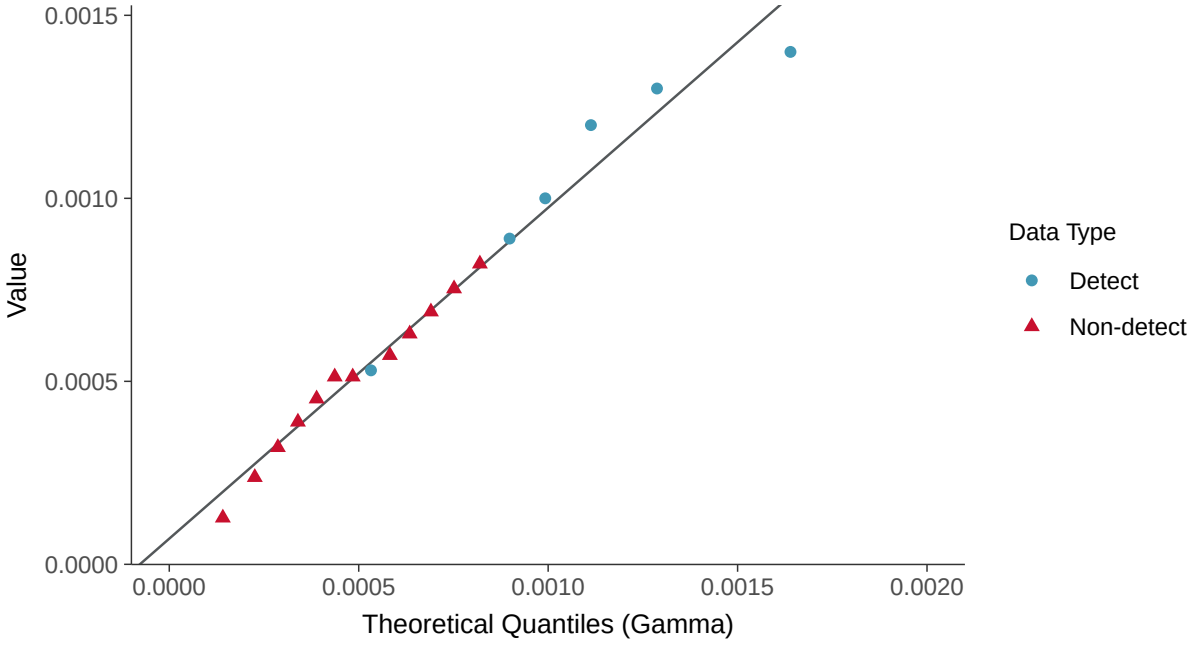
Lognormal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-10 (mg/L)



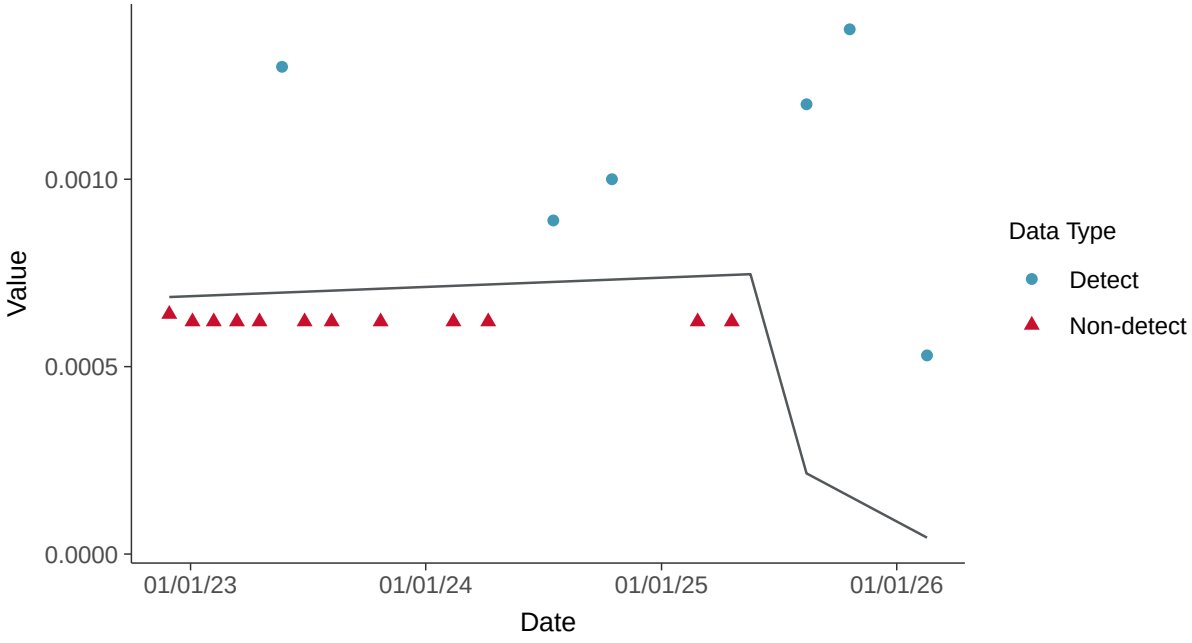
Gamma Q-Q plot using ROS Imputed Estimates

Vanadium, MW-10 (mg/L)



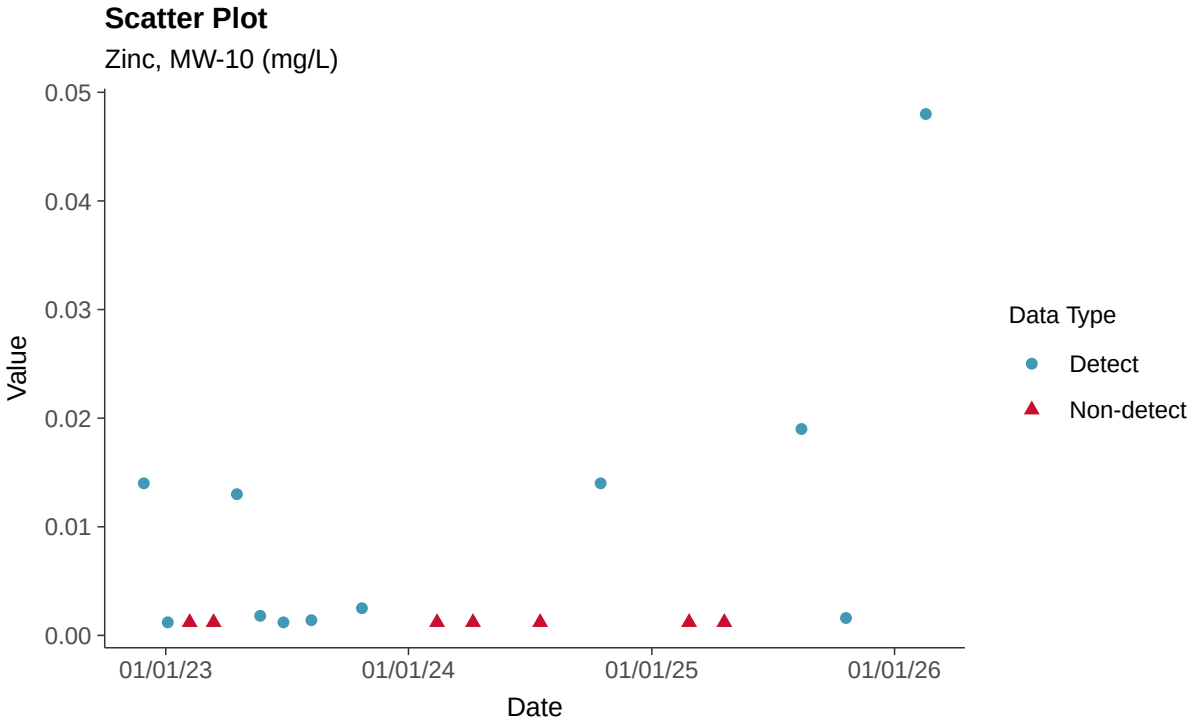
Trend Regression: Piecewise Linear-Linear-Linear

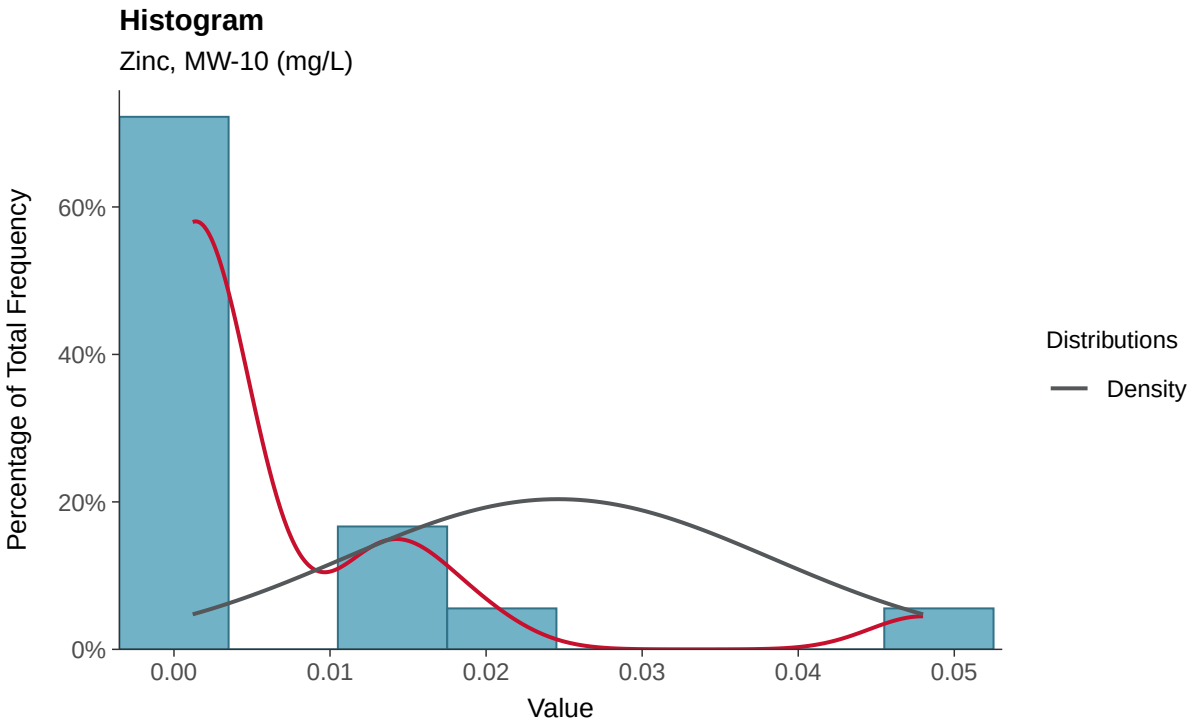
Vanadium, MW-10 (mg/L)



Part 115: Zinc, MW-10

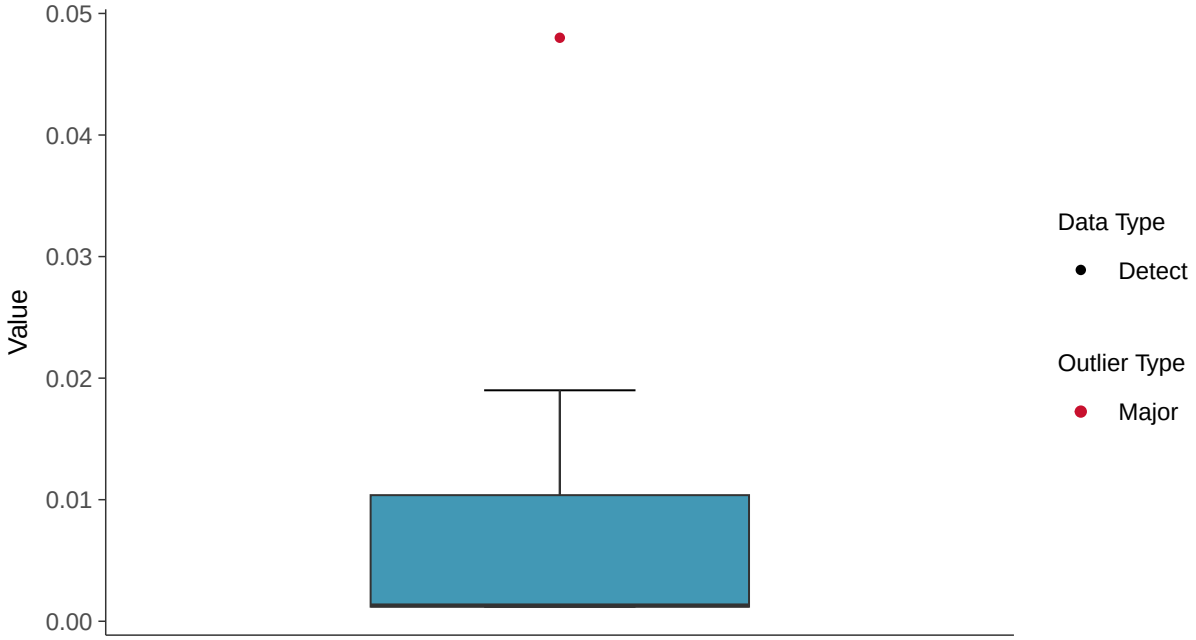
ID: 20_3_5_129





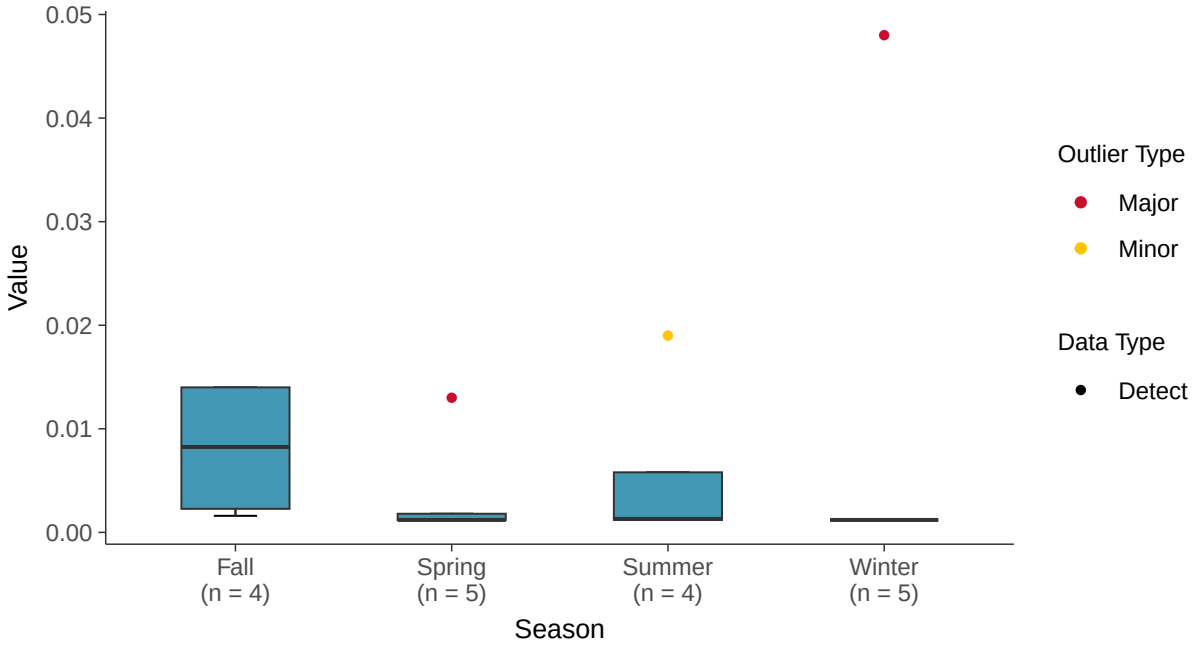
Boxplot

Zinc, MW-10 (mg/L)



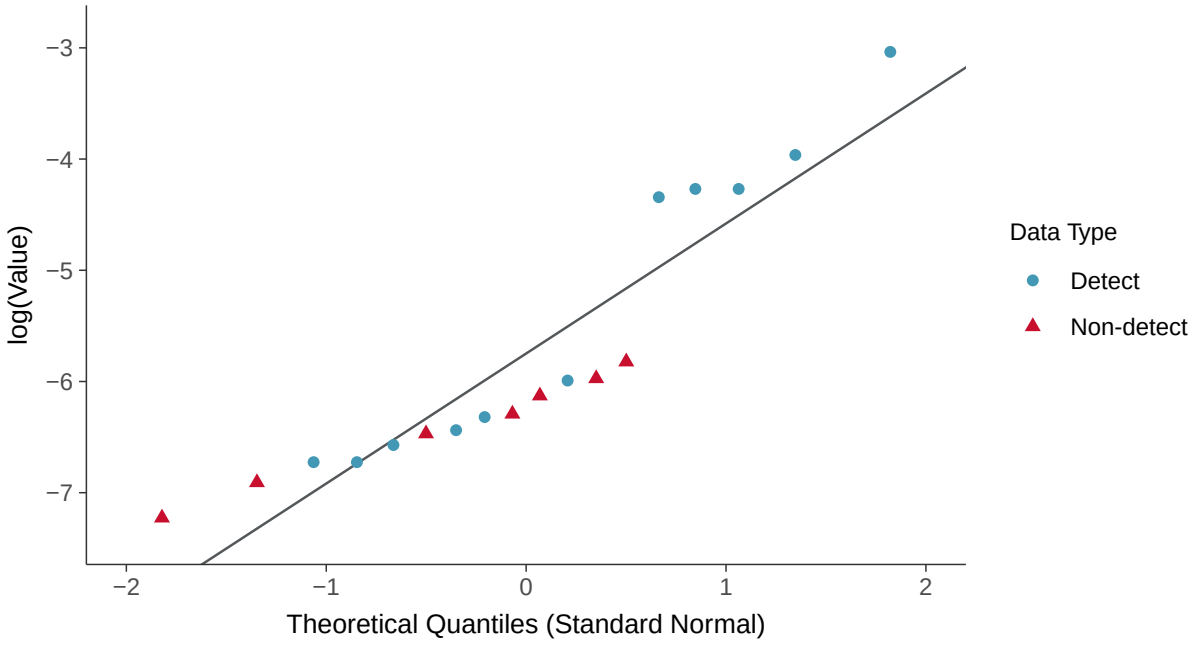
Boxplot by Season

Zinc, MW-10 (mg/L)



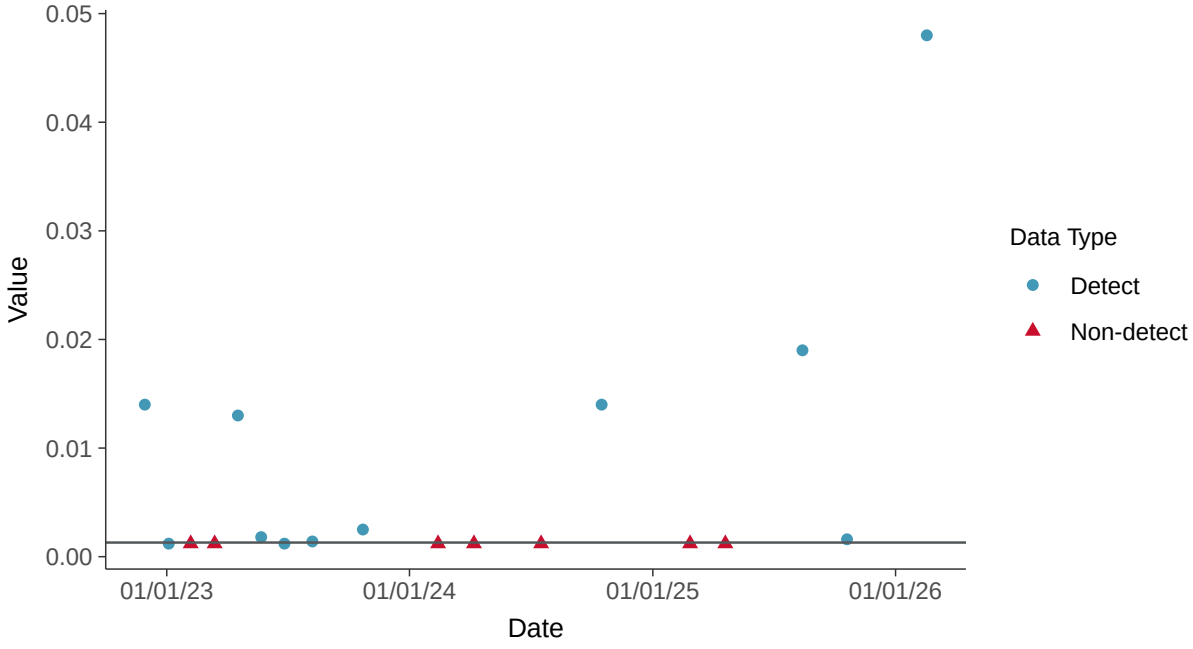
Lognormal Q-Q plot using ROS Imputed Estimates

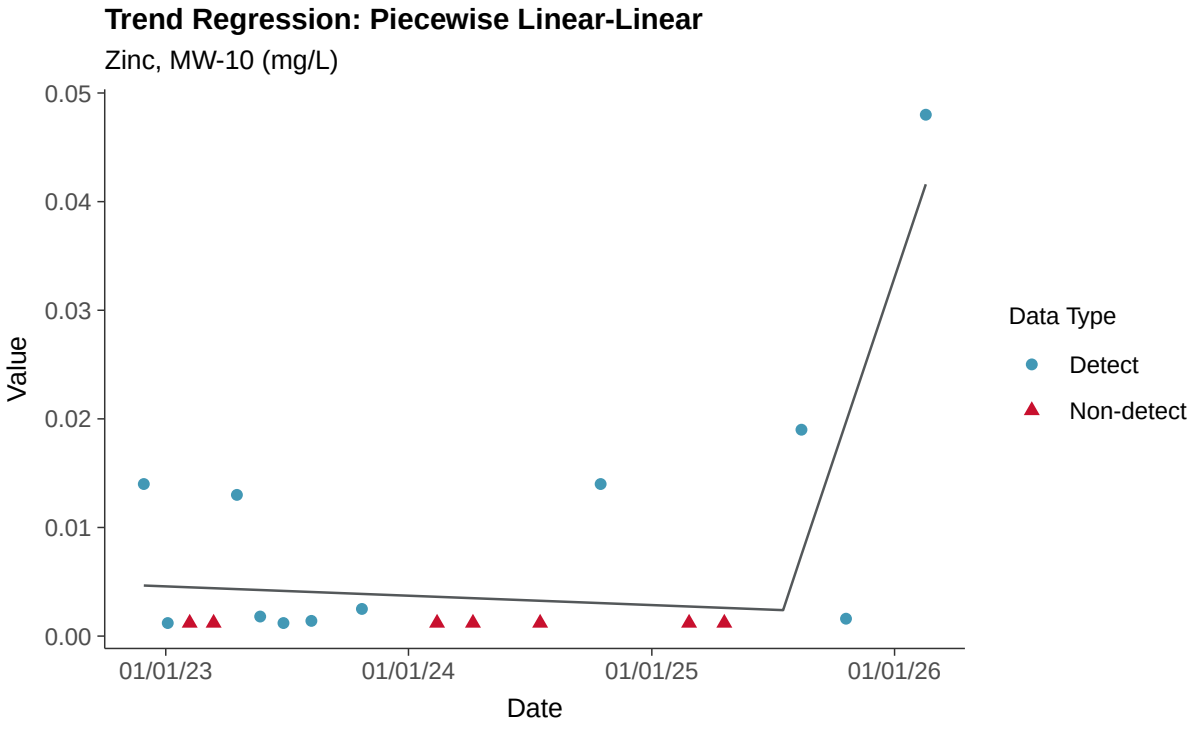
Zinc, MW-10 (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

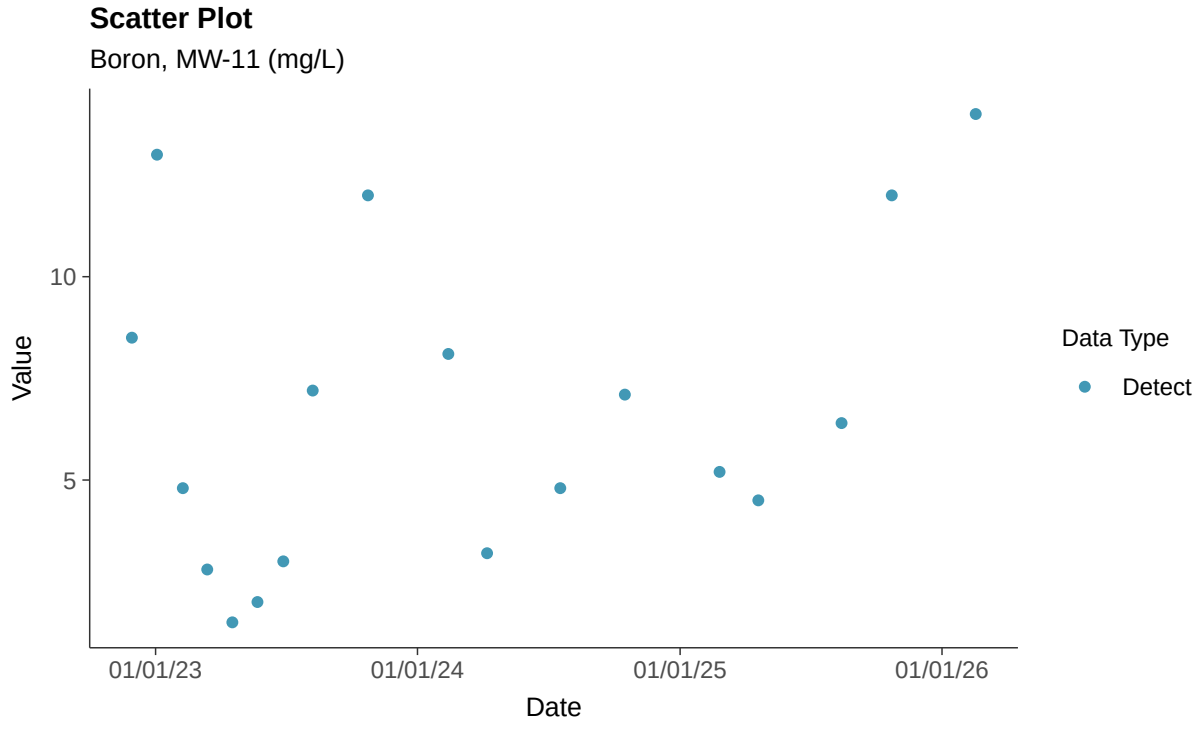
Zinc, MW-10 (mg/L)

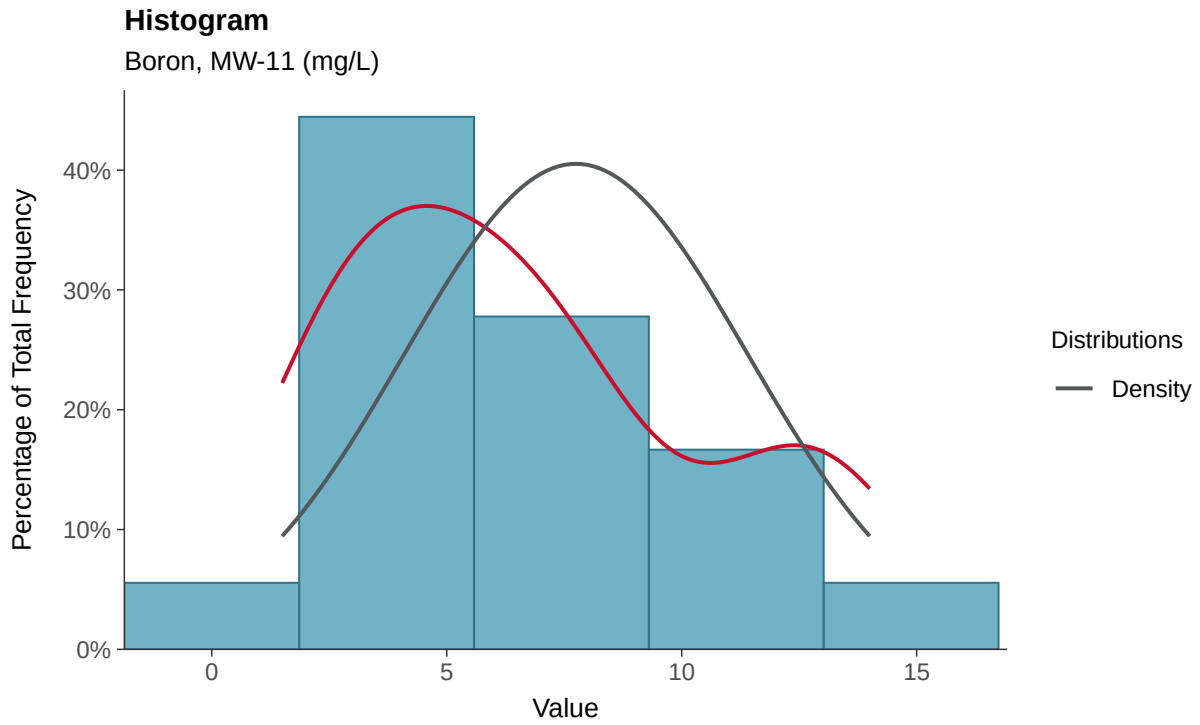



Trend Regression: Piecewise Linear-Linear
Zinc, MW-10 (mg/L)
Value
0.05
0.04
0.03
0.02
0.01
0.00
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: Boron, MW-11

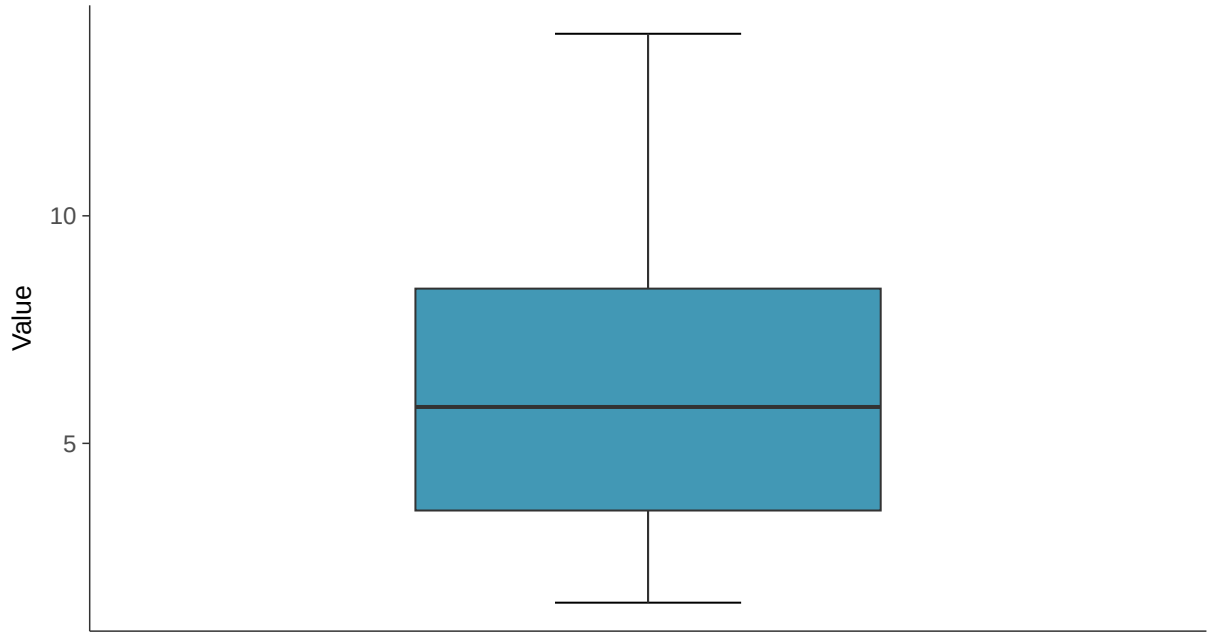
ID: 21_2_3_105





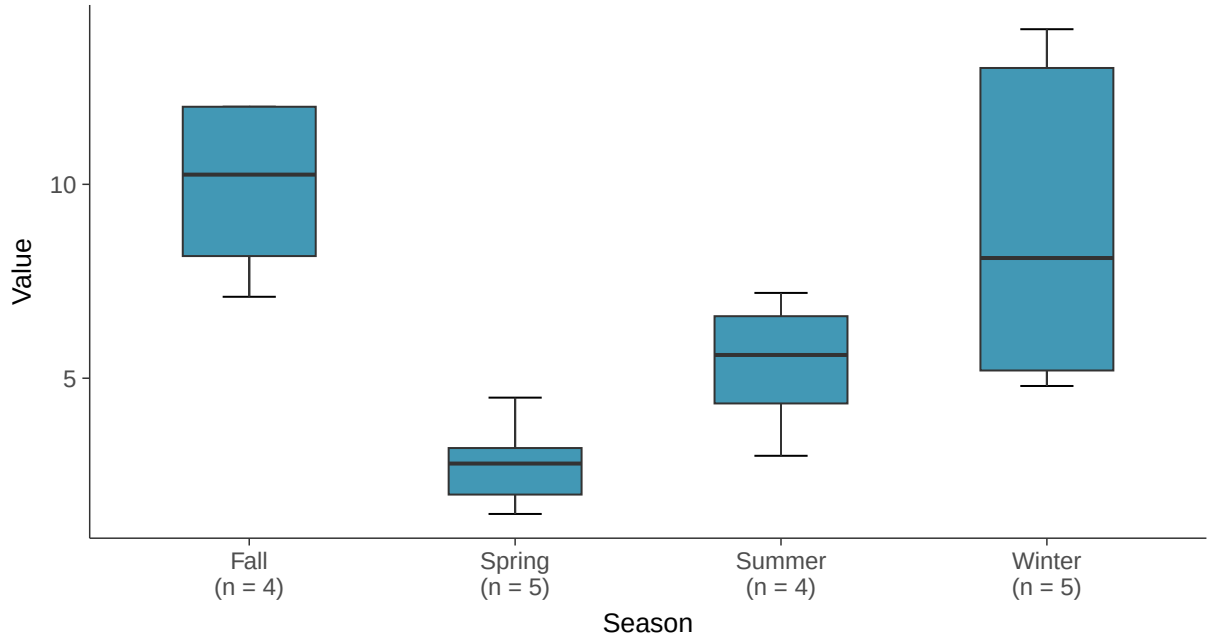
Boxplot

Boron, MW-11 (mg/L)



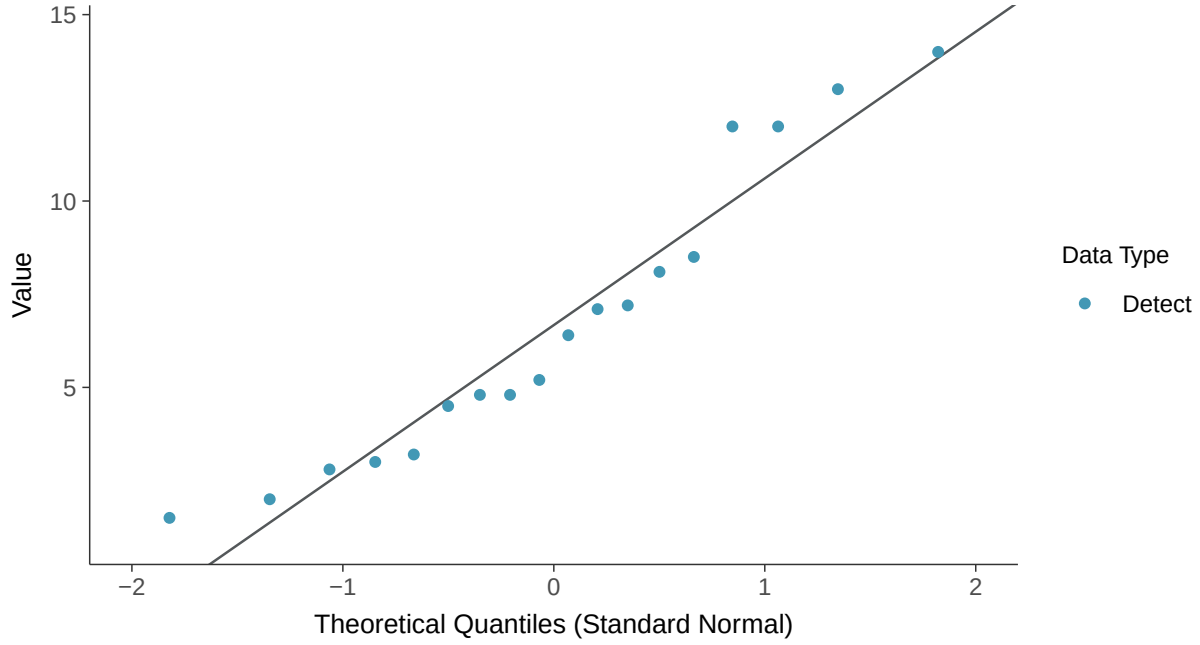
Boxplot by Season

Boron, MW-11 (mg/L)



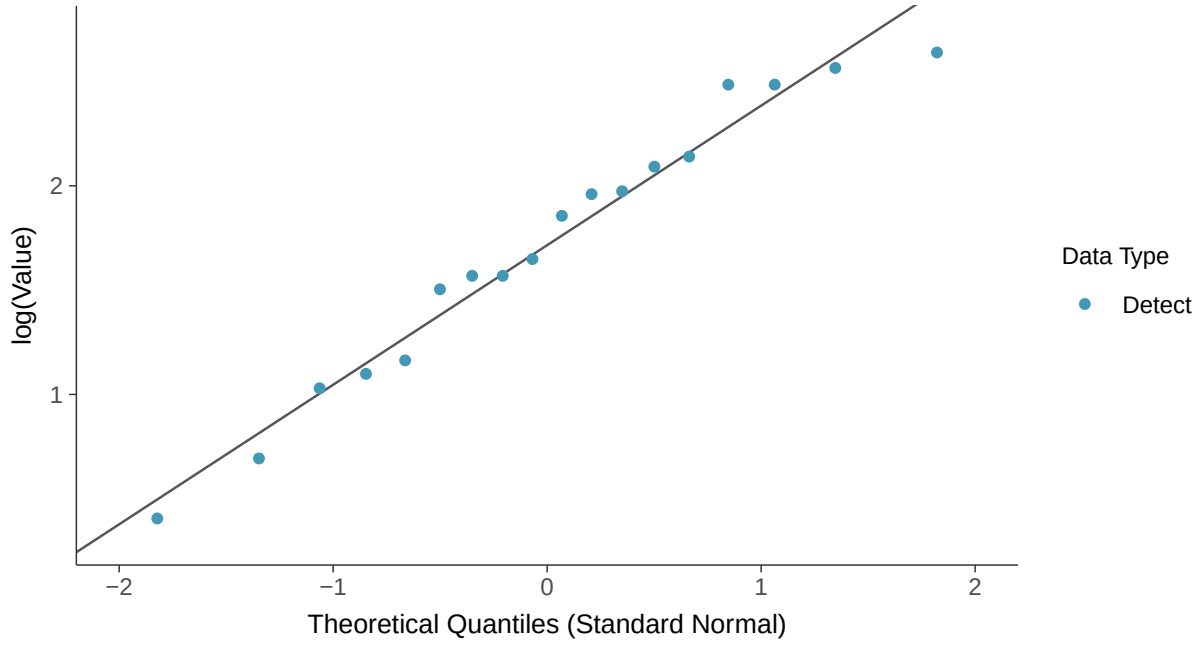
Normal Q-Q plot

Boron, MW-11 (mg/L)



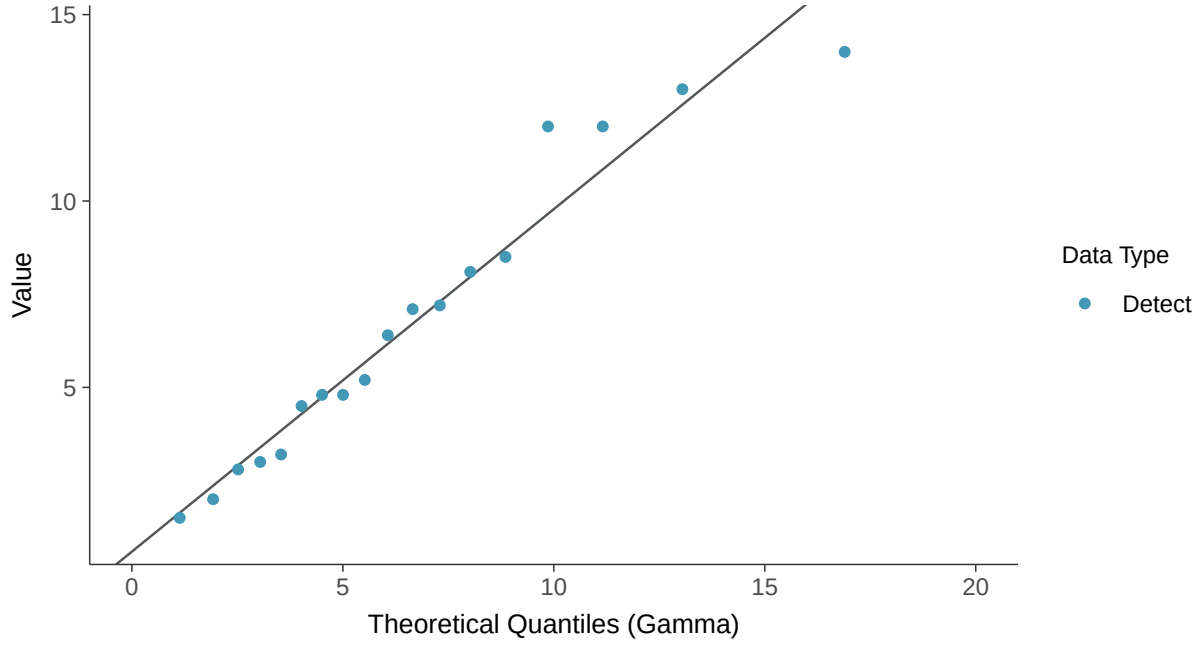
Lognormal Q-Q plot

Boron, MW-11 (mg/L)



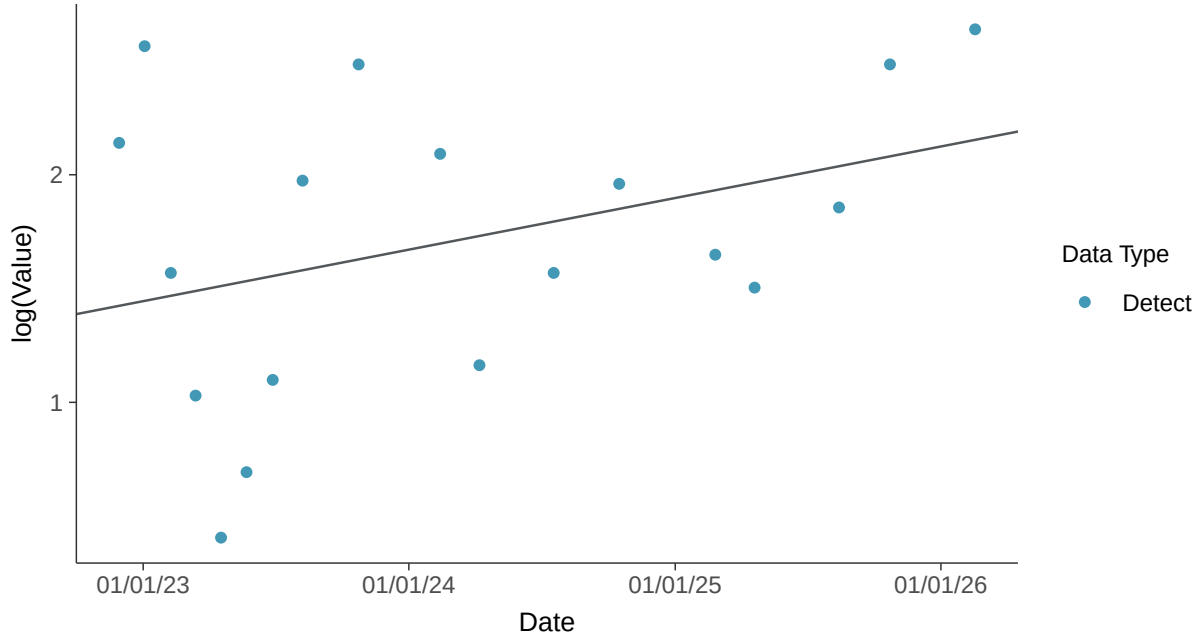
Gamma Q-Q plot

Boron, MW-11 (mg/L)



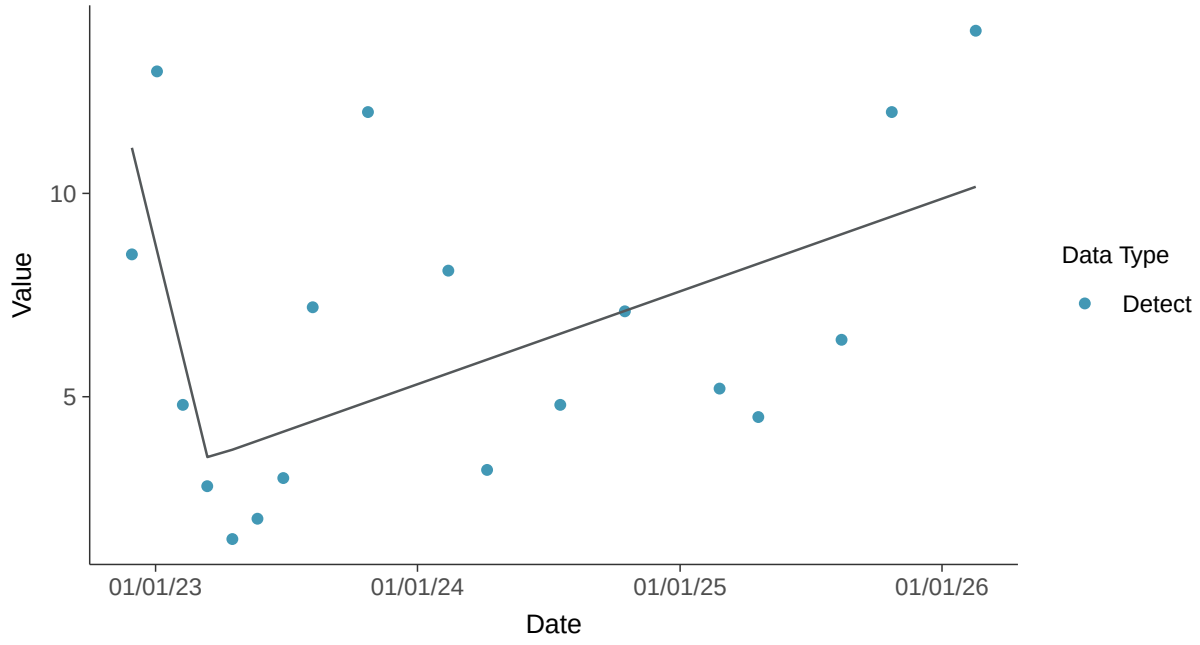
Trend Regression: Lognormal MLE

Boron, MW-11 (mg/L)



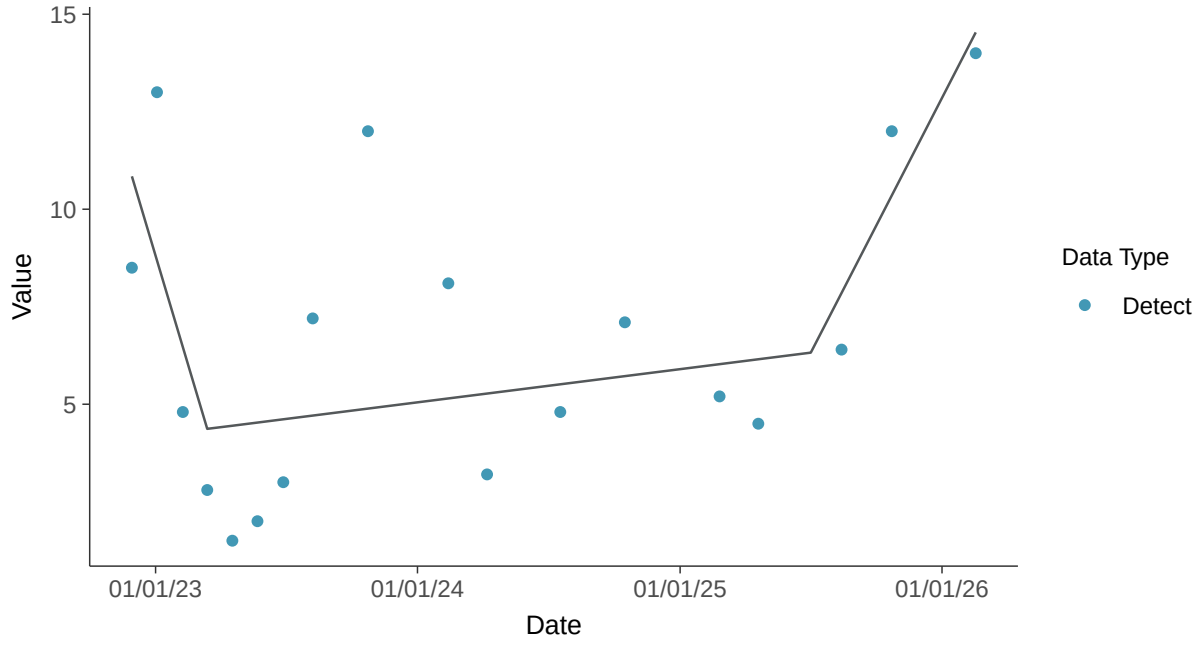
Trend Regression: Piecewise Linear-Linear

Boron, MW-11 (mg/L)



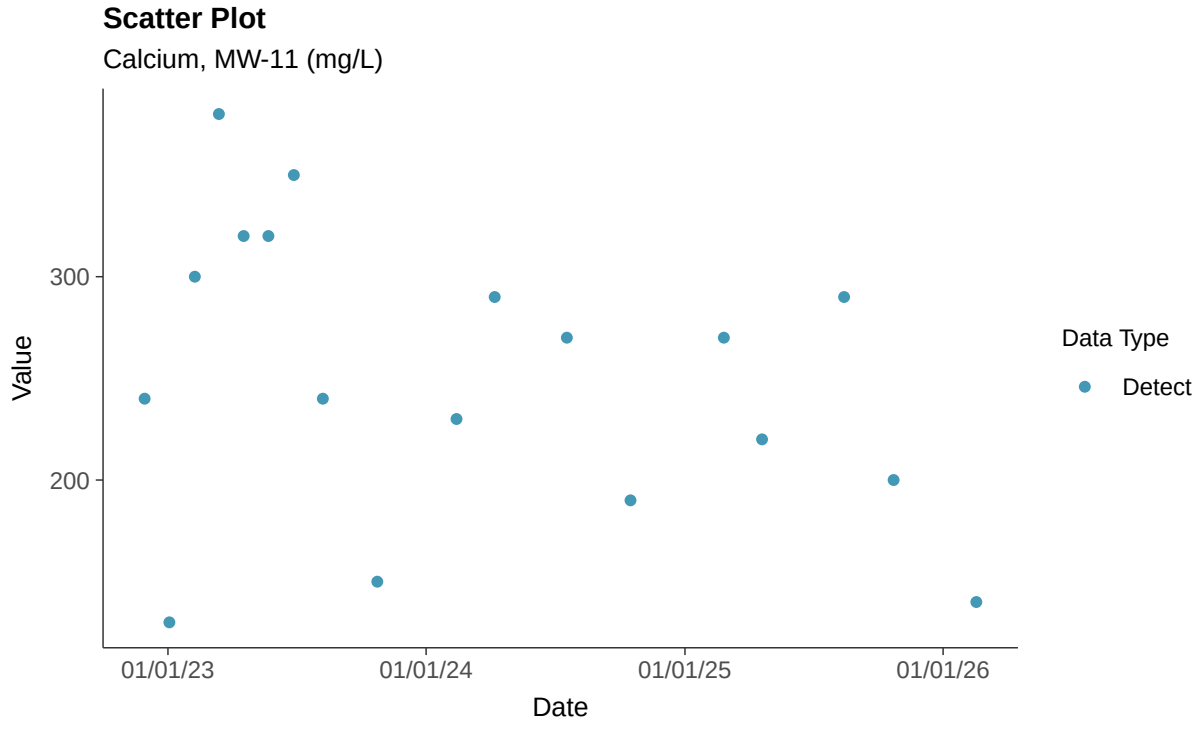
Trend Regression: Piecewise Linear-Linear-Linear

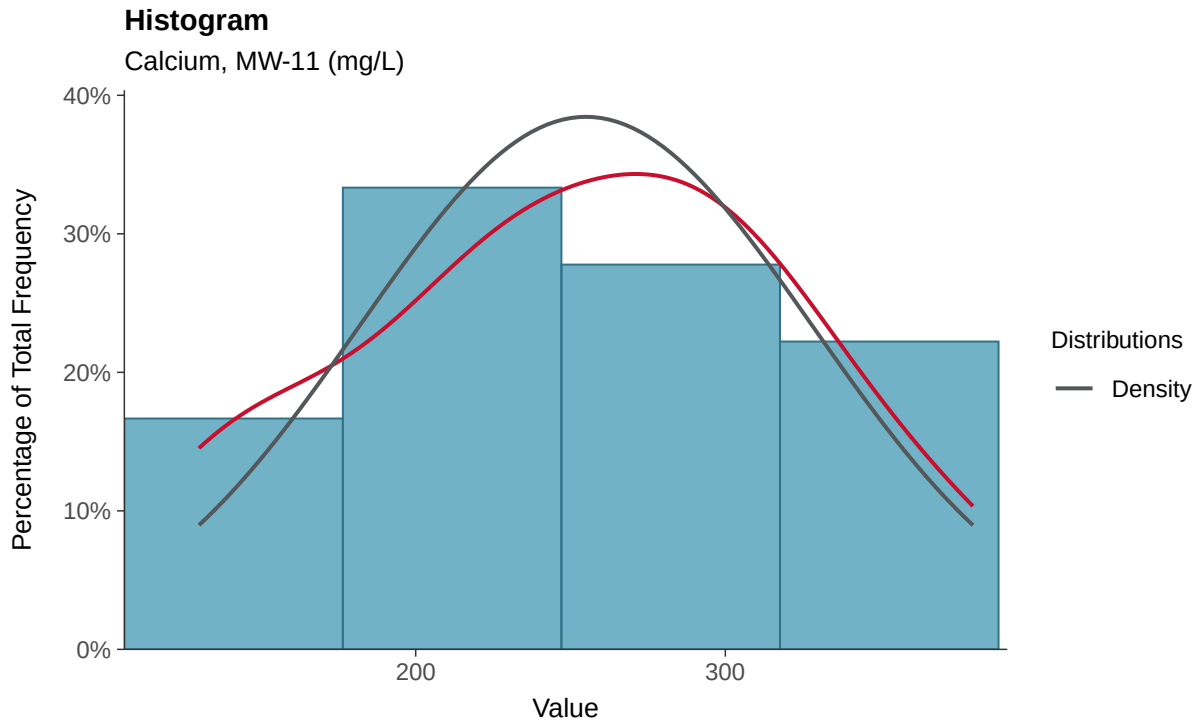
Boron, MW-11 (mg/L)



Appendix III: Calcium, MW-11

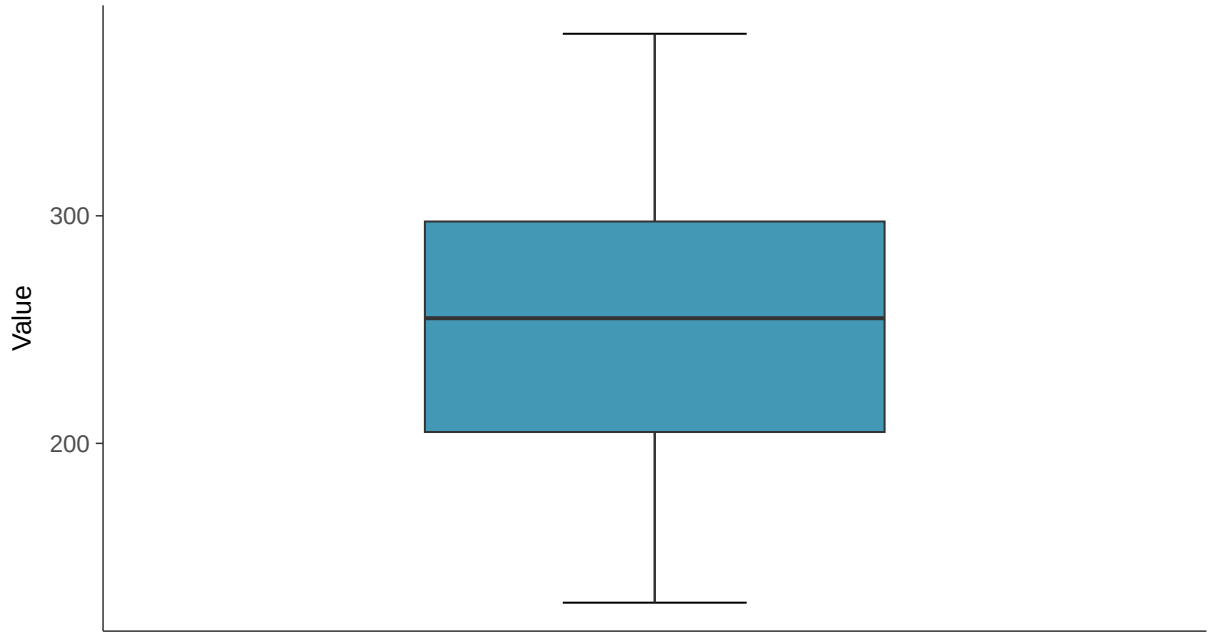
ID: 21_2_3_107





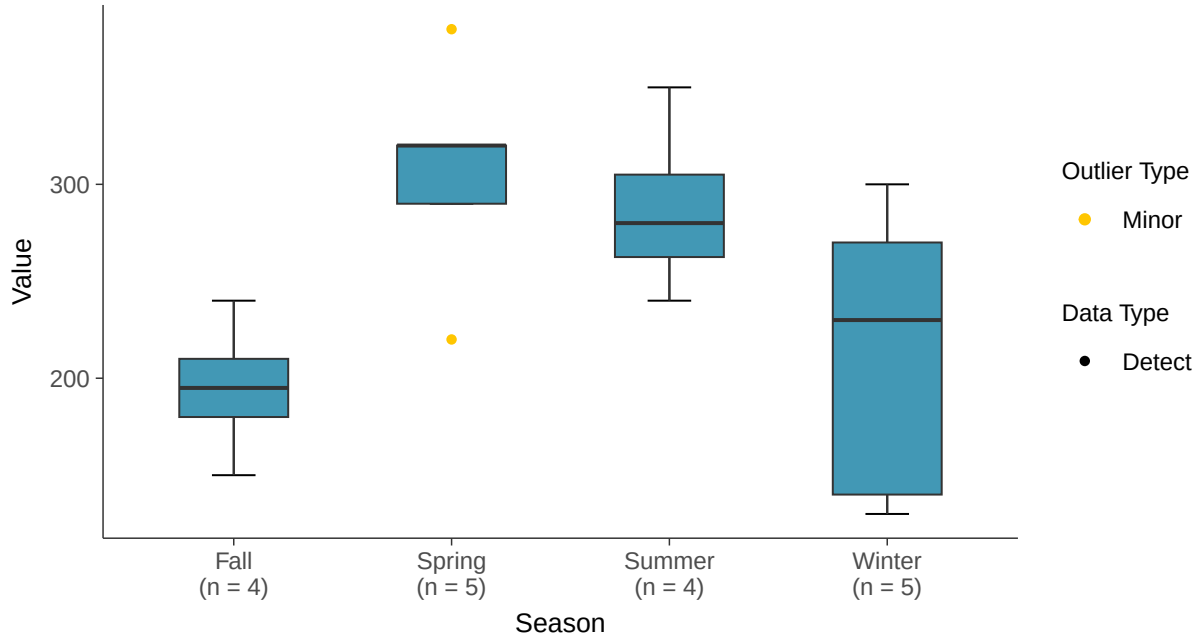
Boxplot

Calcium, MW-11 (mg/L)



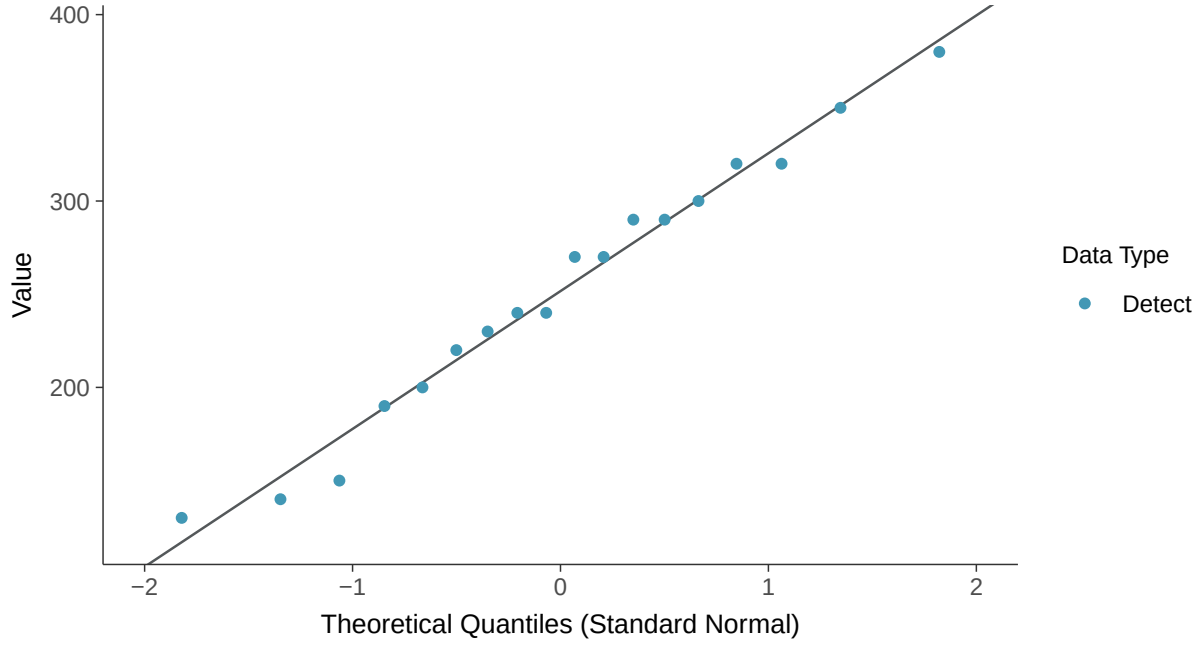
Boxplot by Season

Calcium, MW-11 (mg/L)



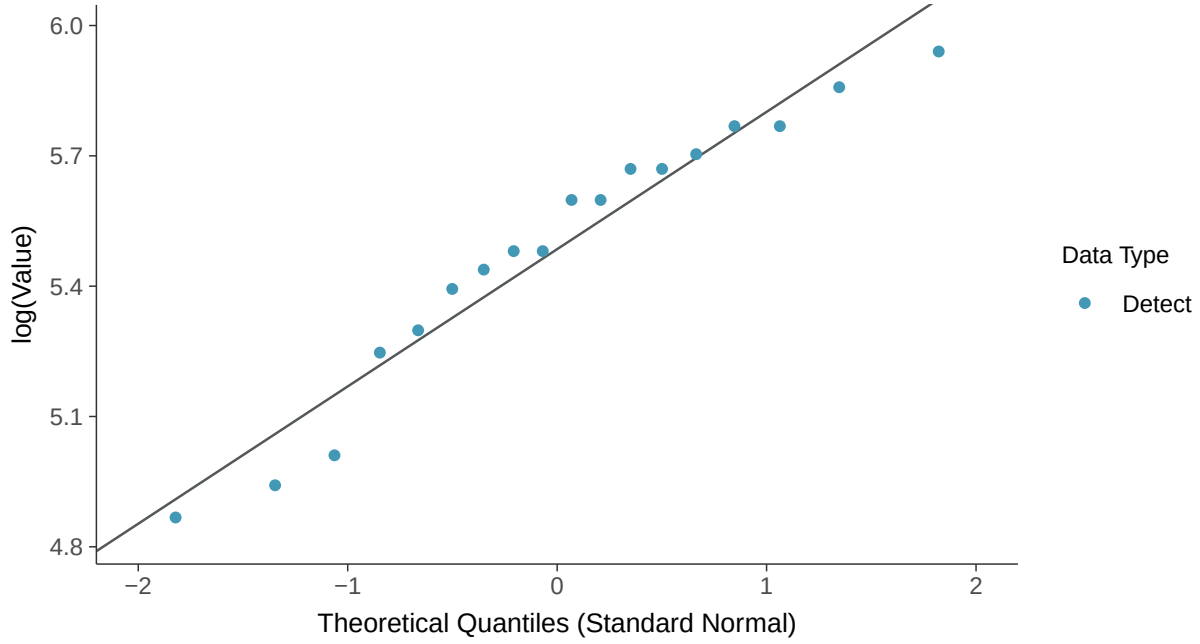
Normal Q-Q plot

Calcium, MW-11 (mg/L)



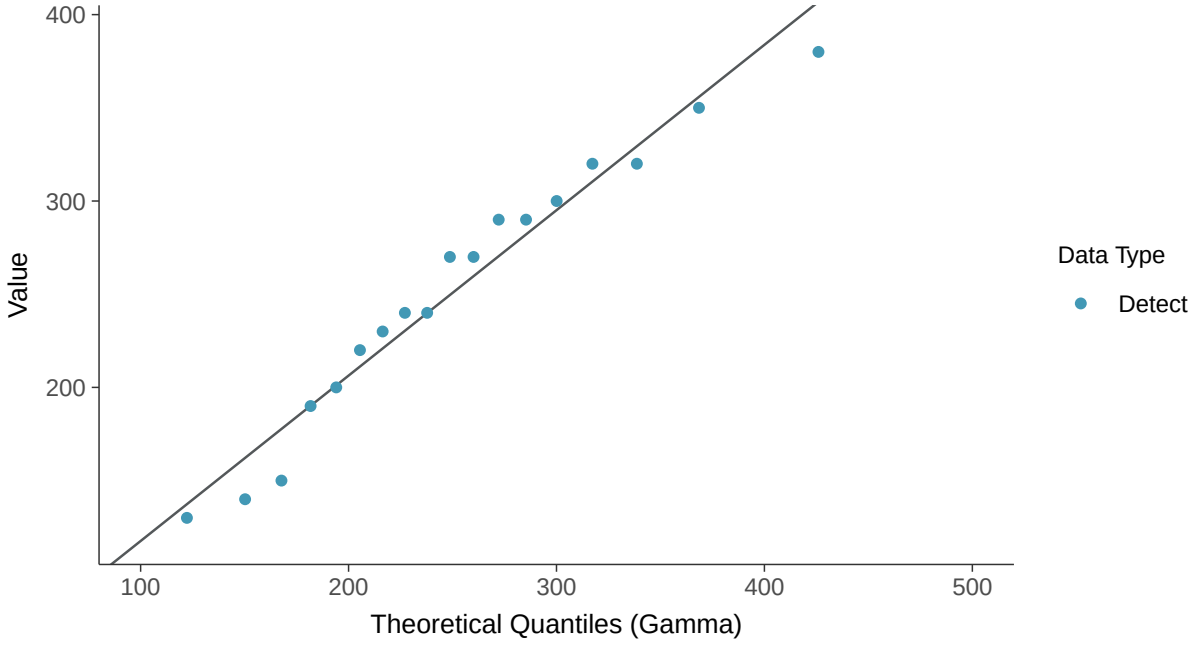
Lognormal Q-Q plot

Calcium, MW-11 (mg/L)



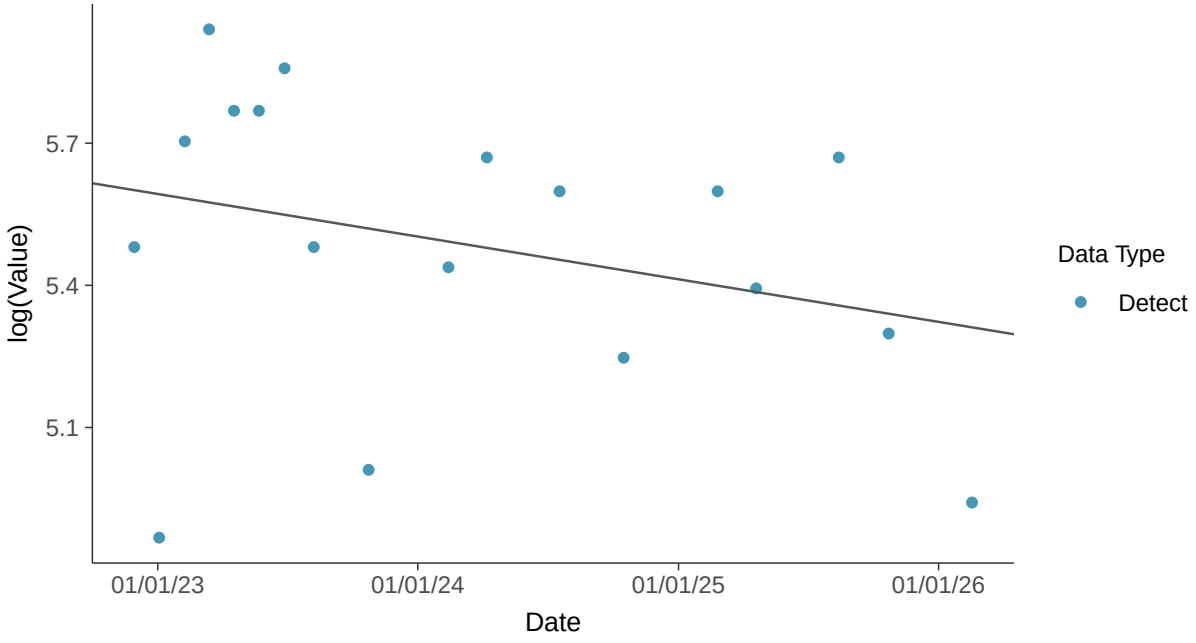
Gamma Q-Q plot

Calcium, MW-11 (mg/L)



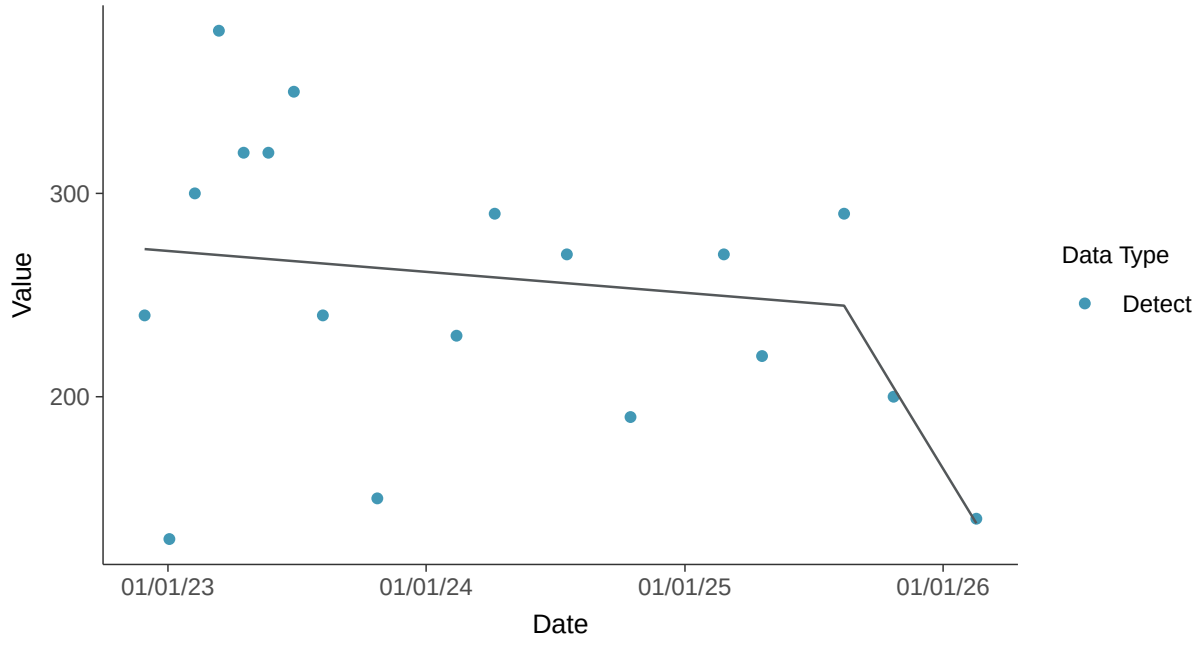
Trend Regression: Lognormal MLE

Calcium, MW-11 (mg/L)



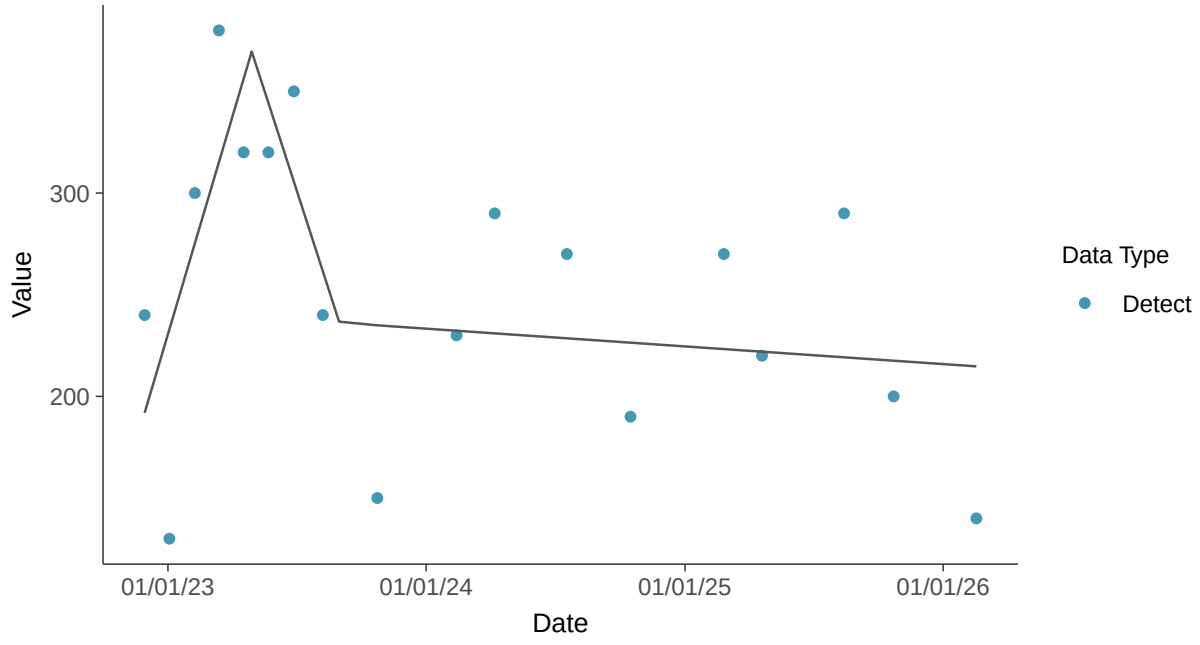
Trend Regression: Piecewise Linear-Linear

Calcium, MW-11 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Calcium, MW-11 (mg/L)

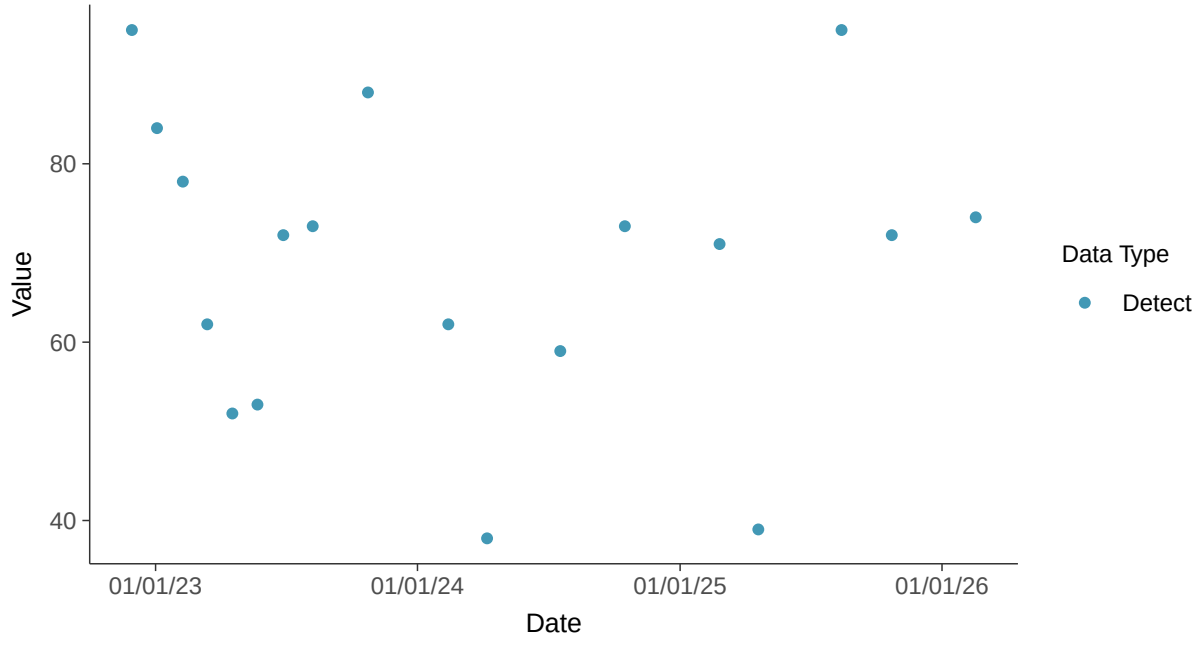


Appendix III: Chloride (as Cl), MW-11

ID: 21_2_3_108

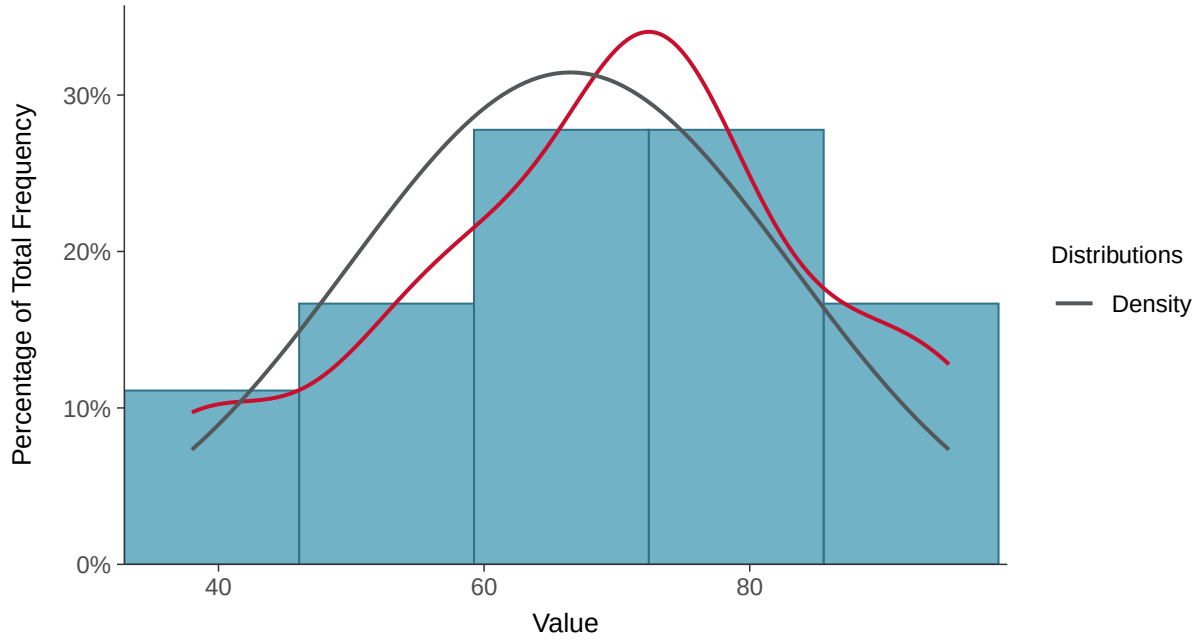
Scatter Plot

Chloride (as Cl), MW-11 (mg/L)



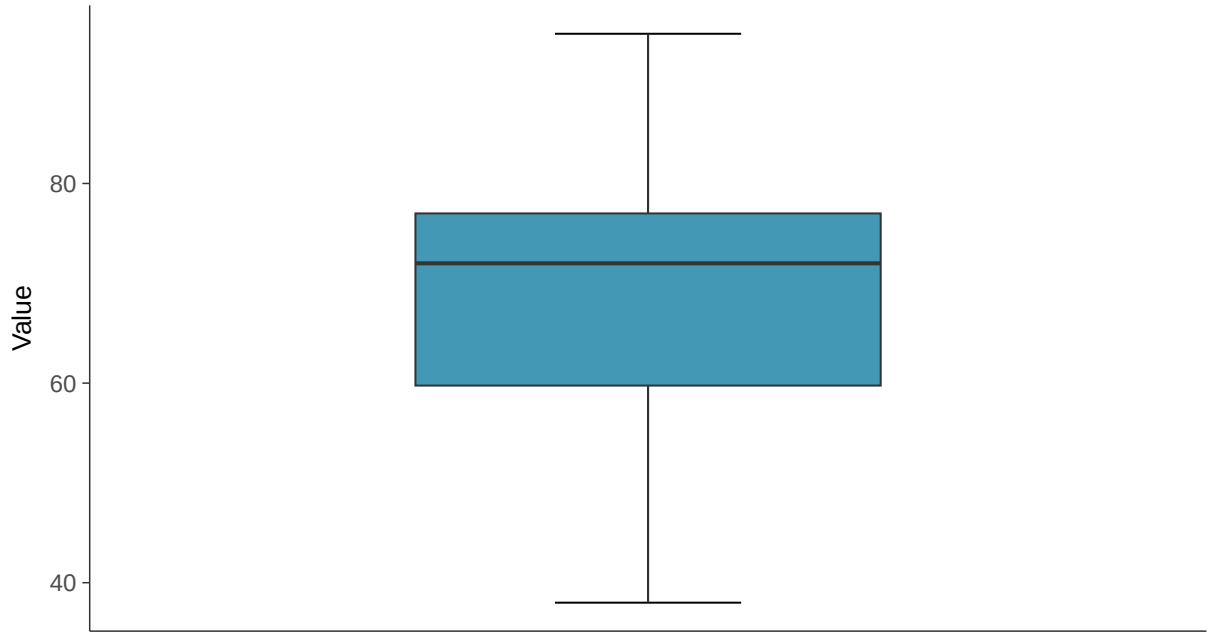
Histogram

Chloride (as Cl), MW-11 (mg/L)



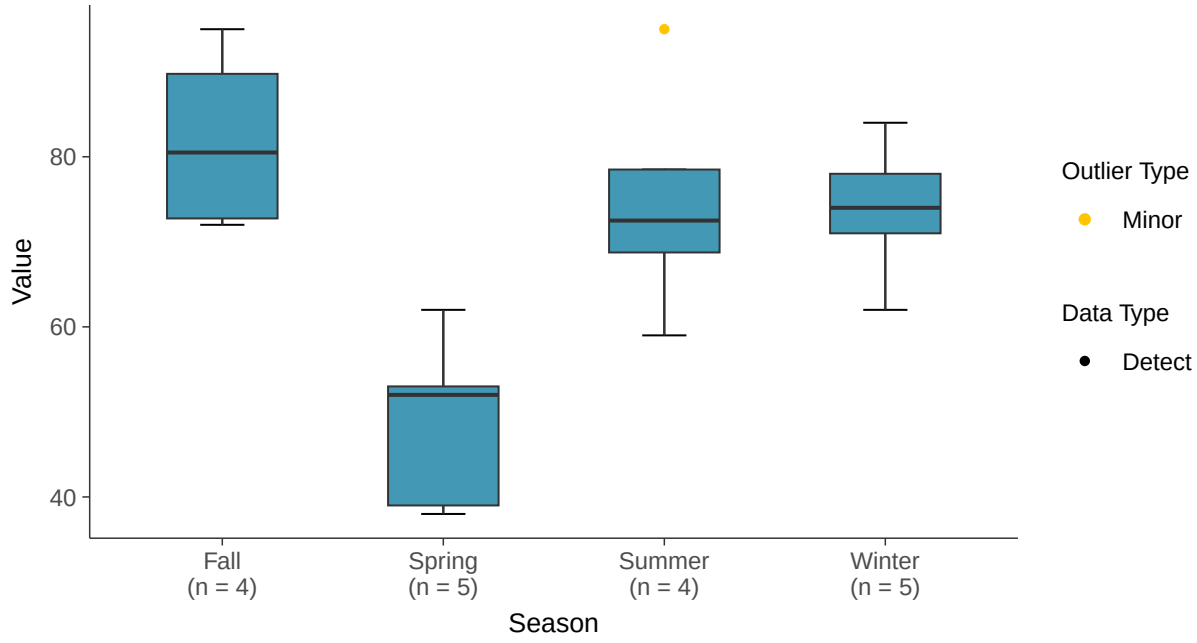
Boxplot

Chloride (as Cl), MW-11 (mg/L)



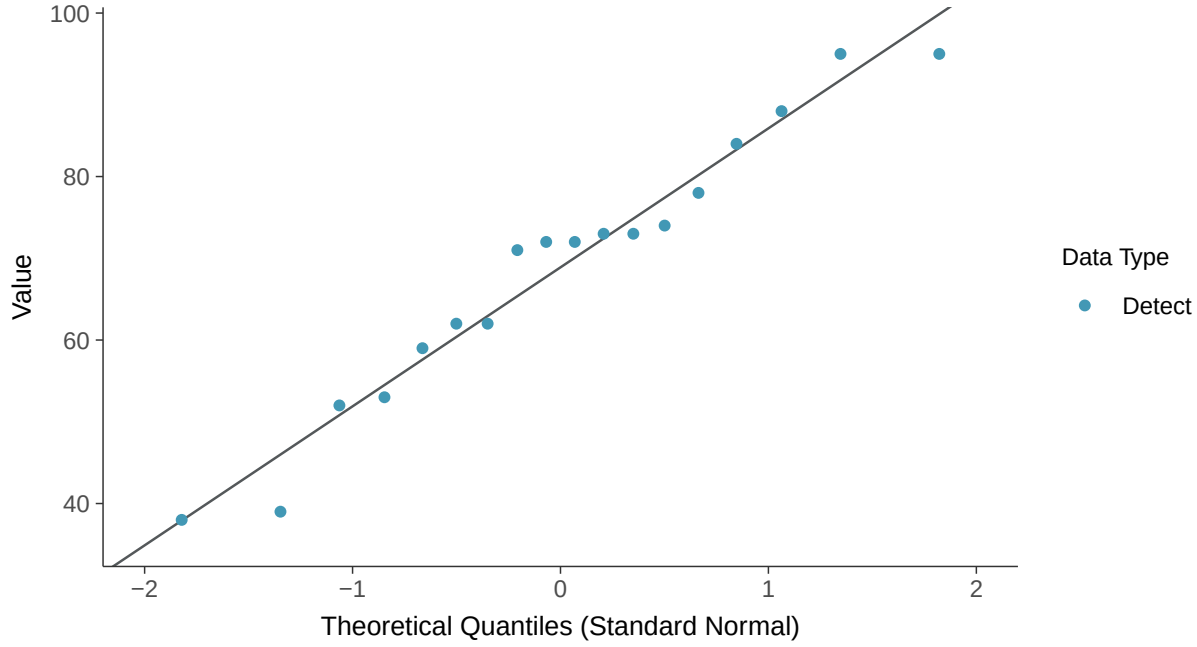
Boxplot by Season

Chloride (as Cl), MW-11 (mg/L)



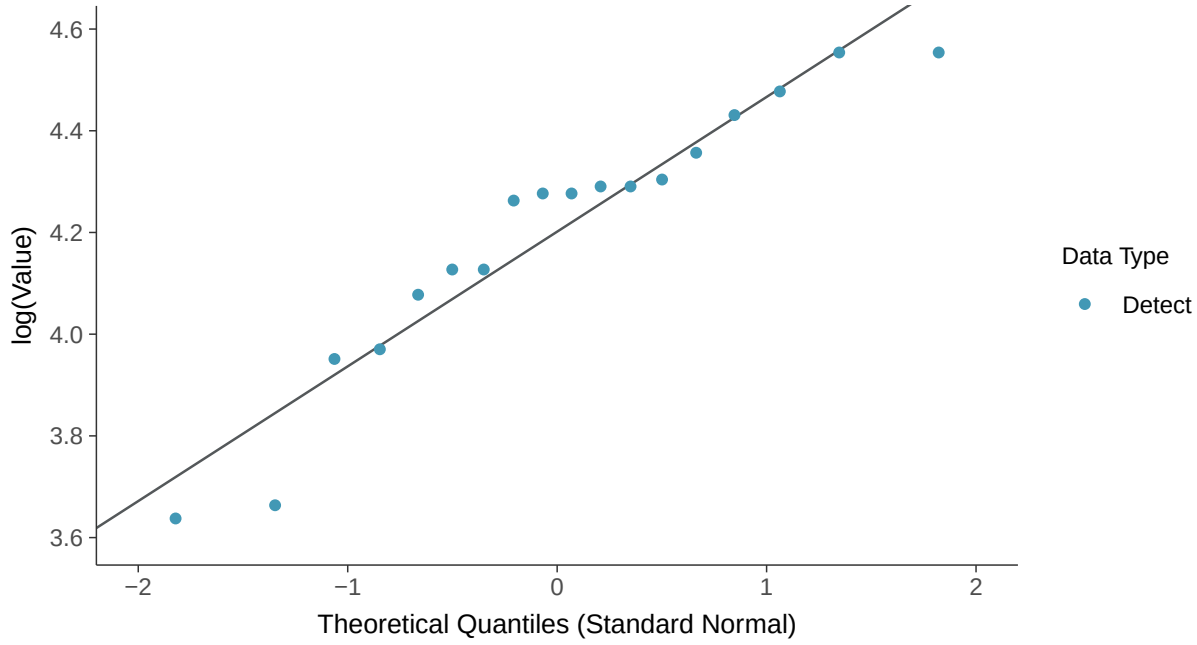
Normal Q-Q plot

Chloride (as Cl), MW-11 (mg/L)



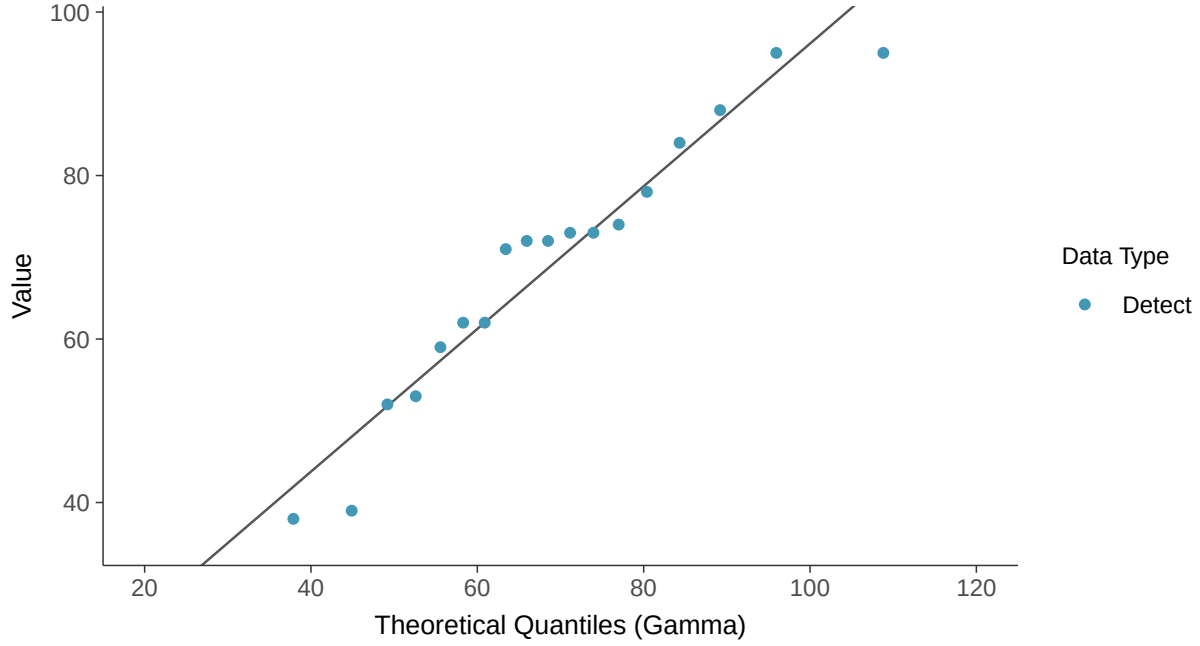
Lognormal Q-Q plot

Chloride (as Cl), MW-11 (mg/L)



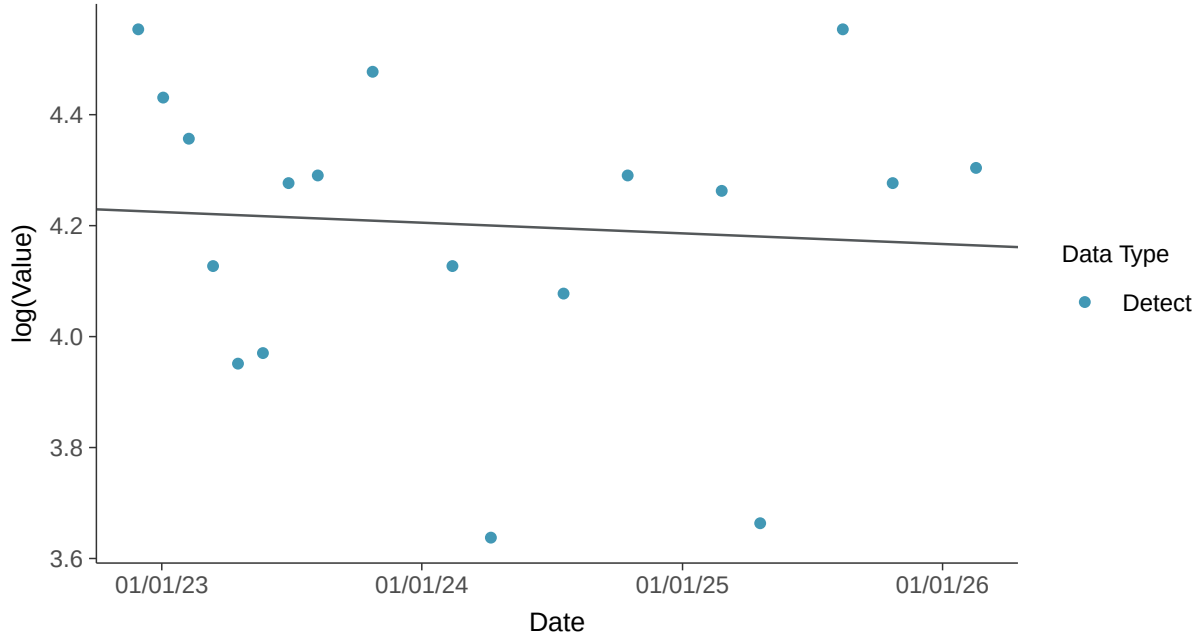
Gamma Q-Q plot

Chloride (as Cl), MW-11 (mg/L)



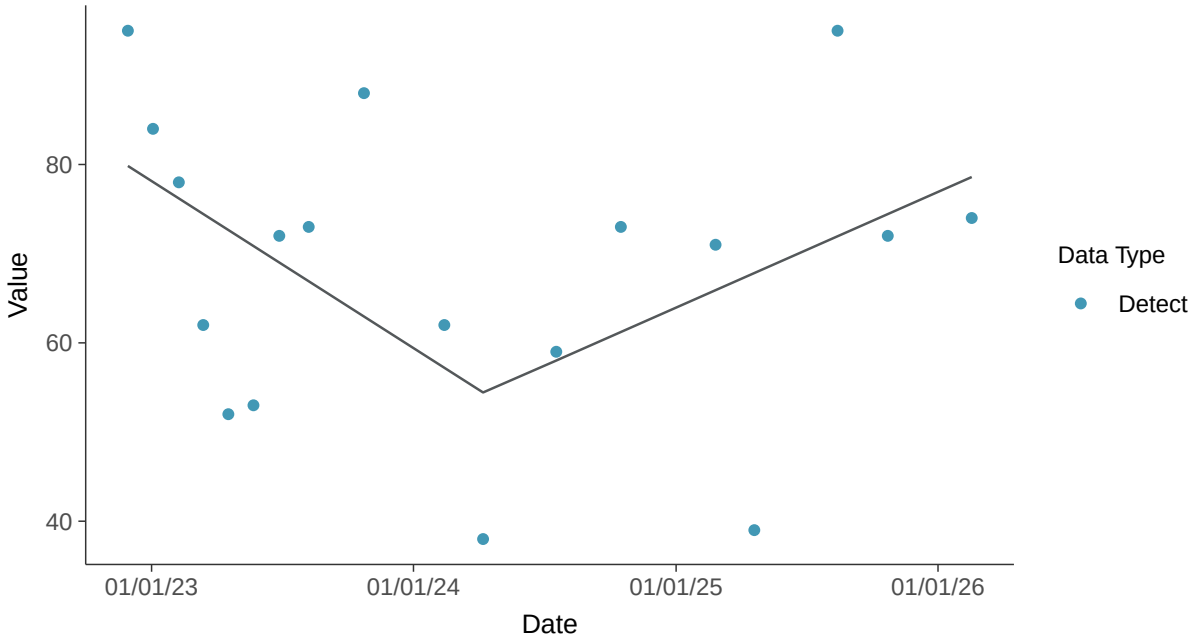
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-11 (mg/L)



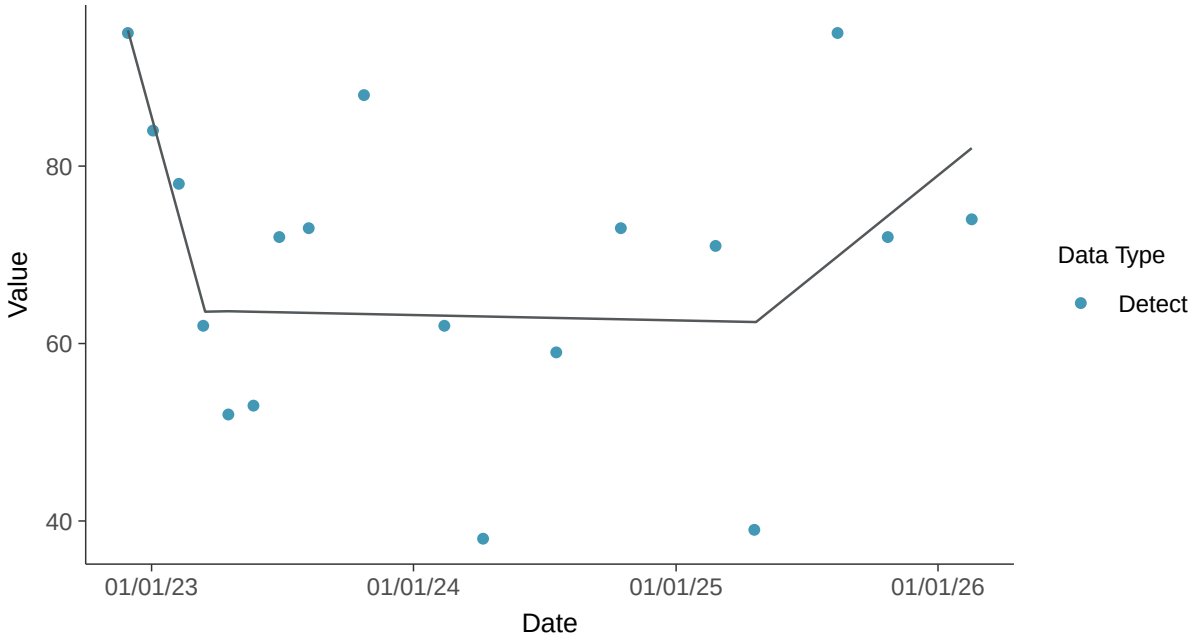
Trend Regression: Piecewise Linear-Linear

Chloride (as Cl), MW-11 (mg/L)



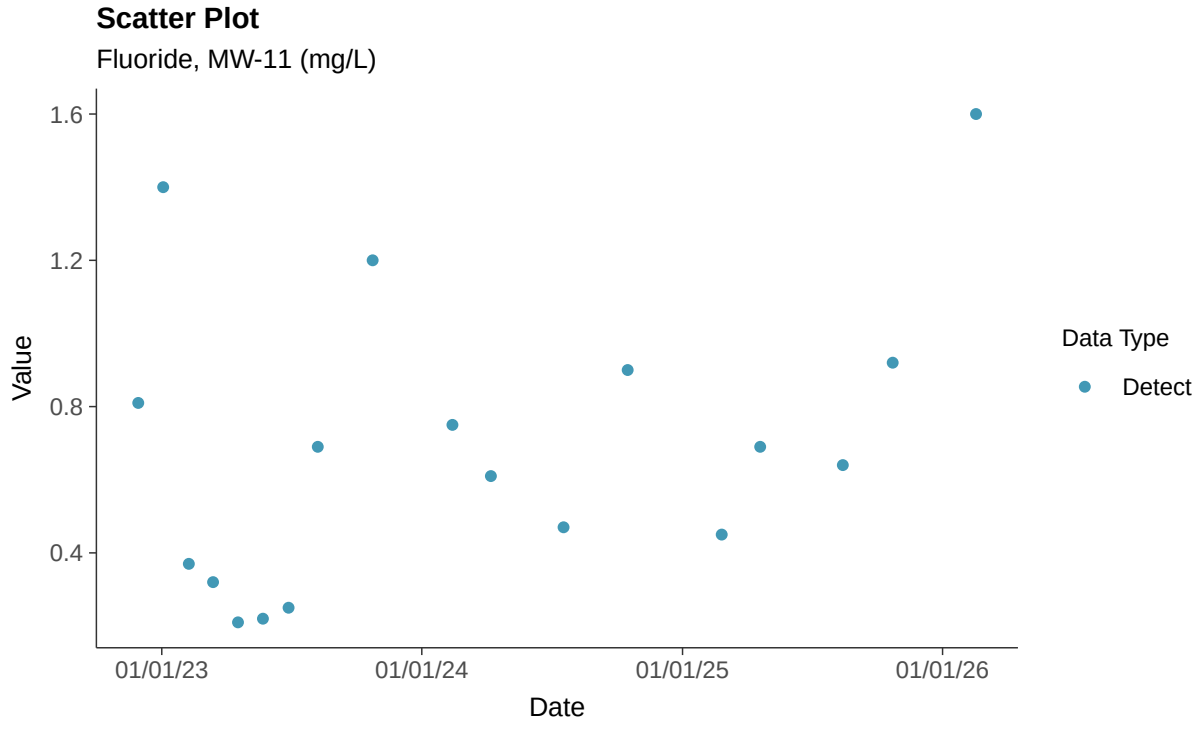
Trend Regression: Piecewise Linear-Linear-Linear

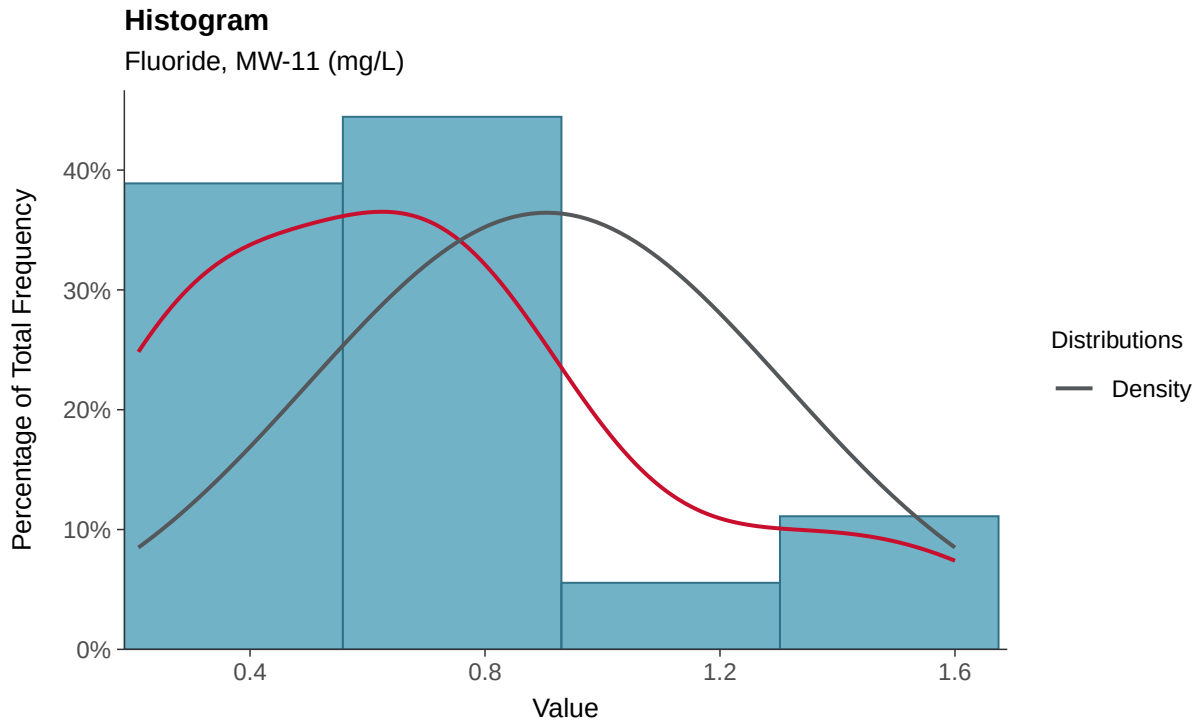
Chloride (as Cl), MW-11 (mg/L)



Appendix III: Fluoride, MW-11

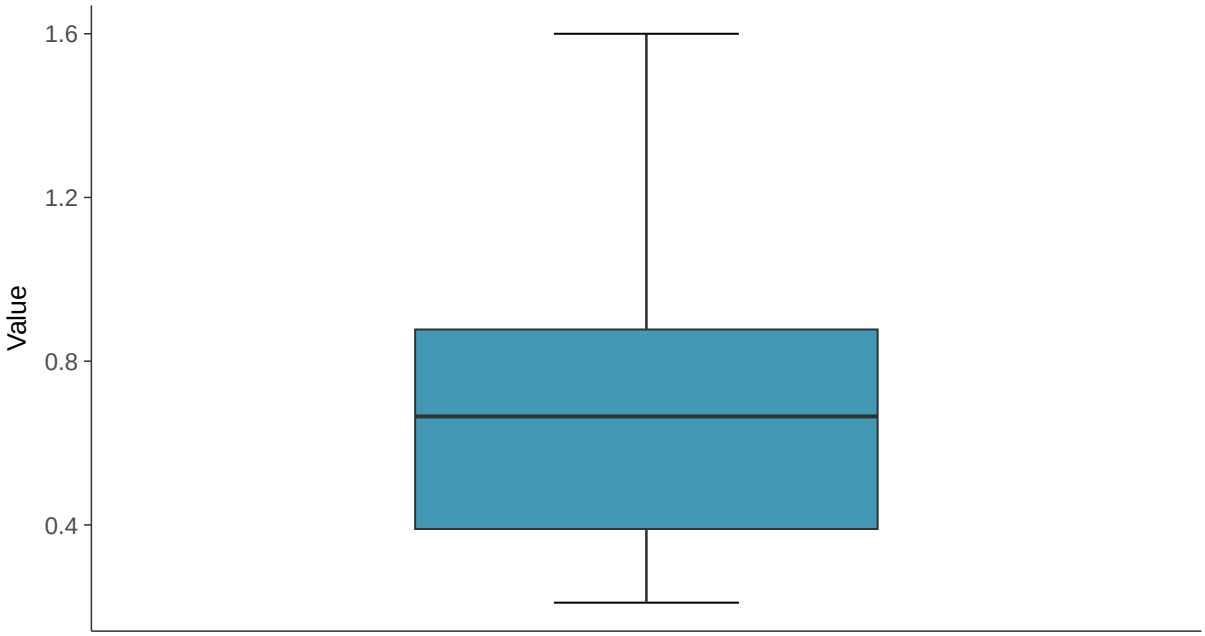
ID: 21_2_3_112





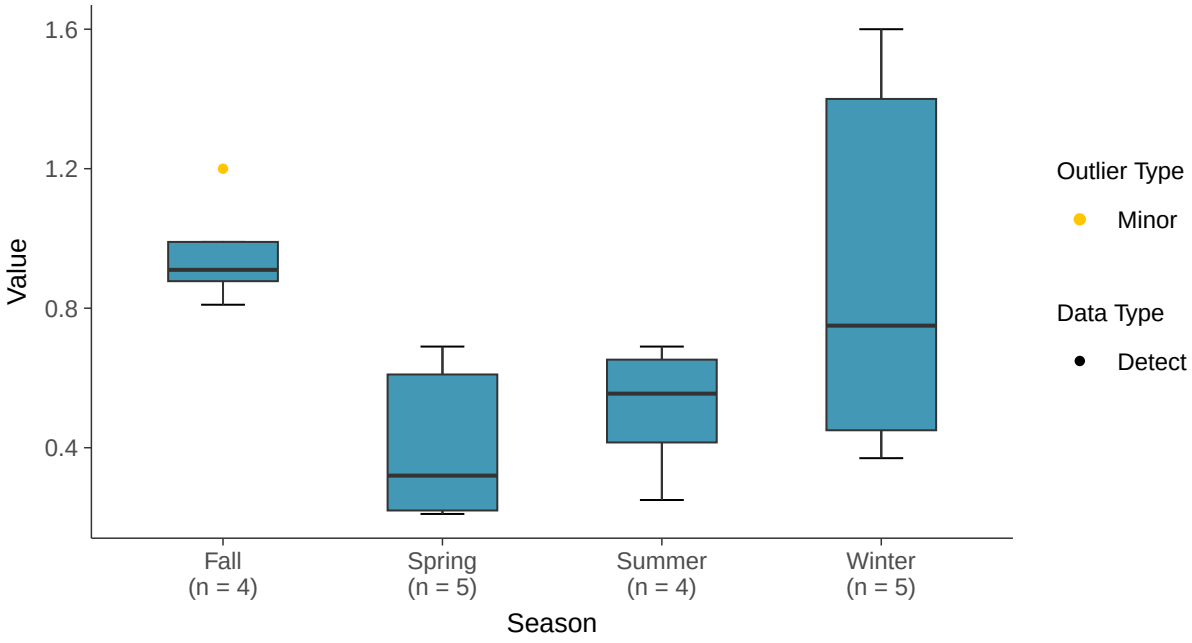
Boxplot

Fluoride, MW-11 (mg/L)



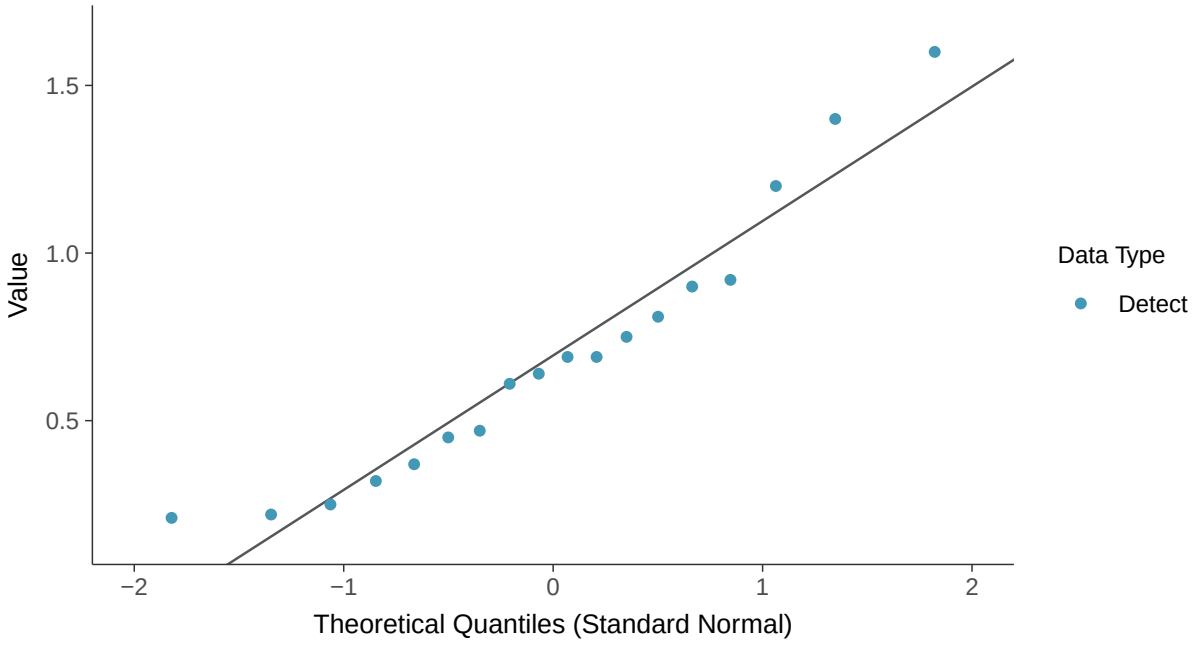
Boxplot by Season

Fluoride, MW-11 (mg/L)



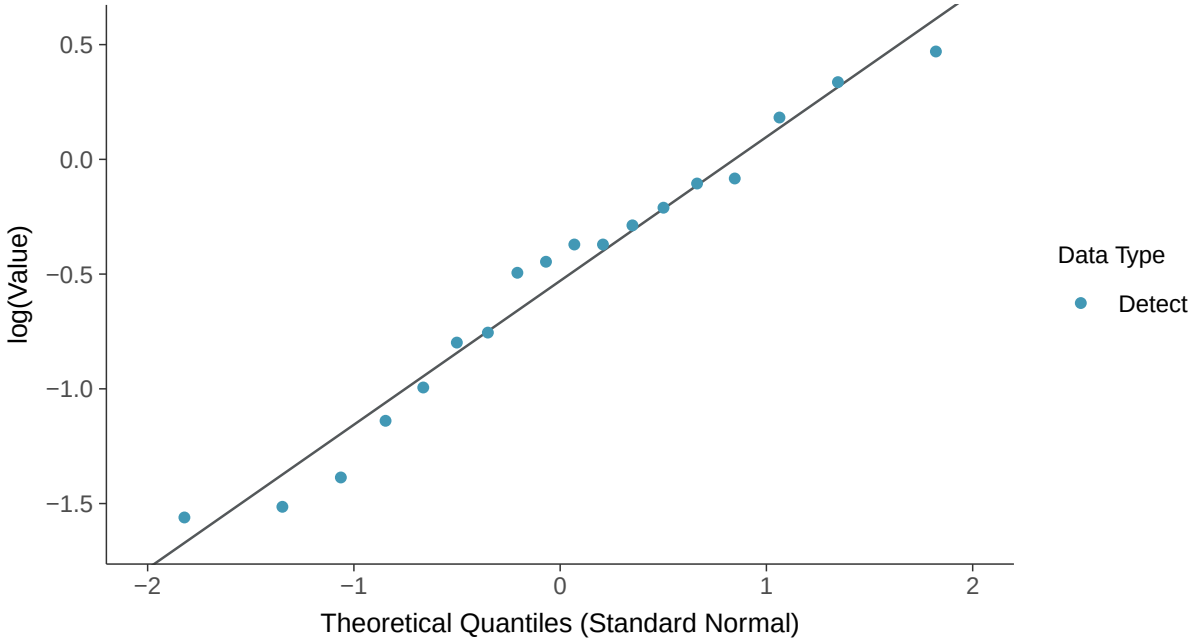
Normal Q-Q plot

Fluoride, MW-11 (mg/L)



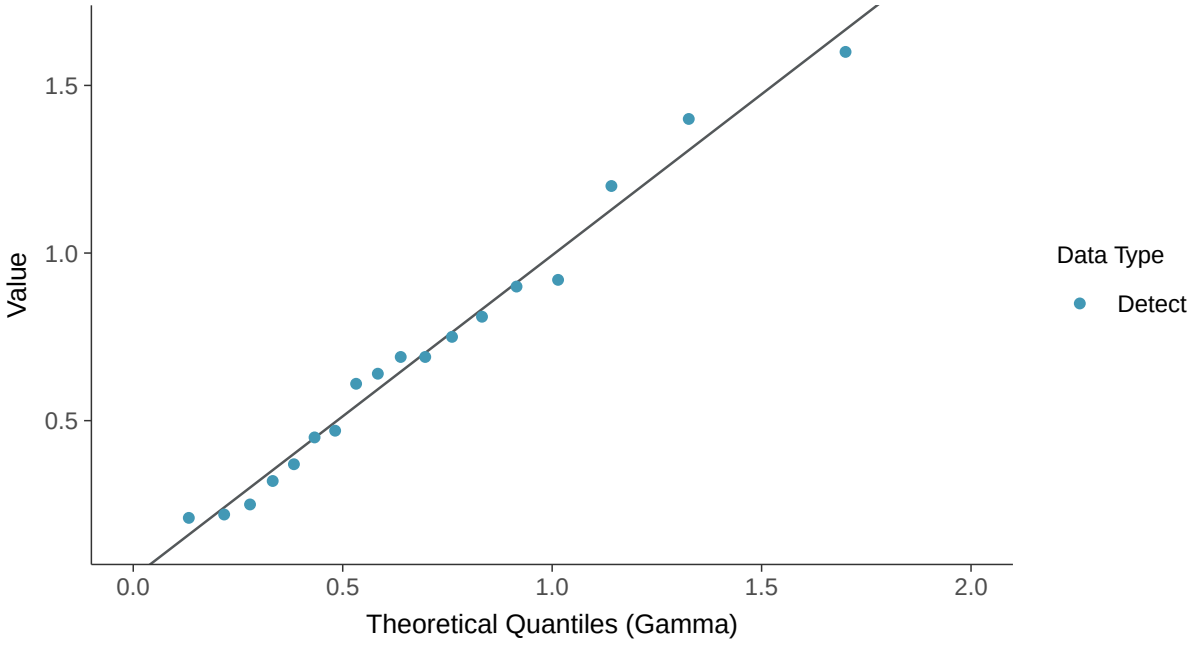
Lognormal Q-Q plot

Fluoride, MW-11 (mg/L)



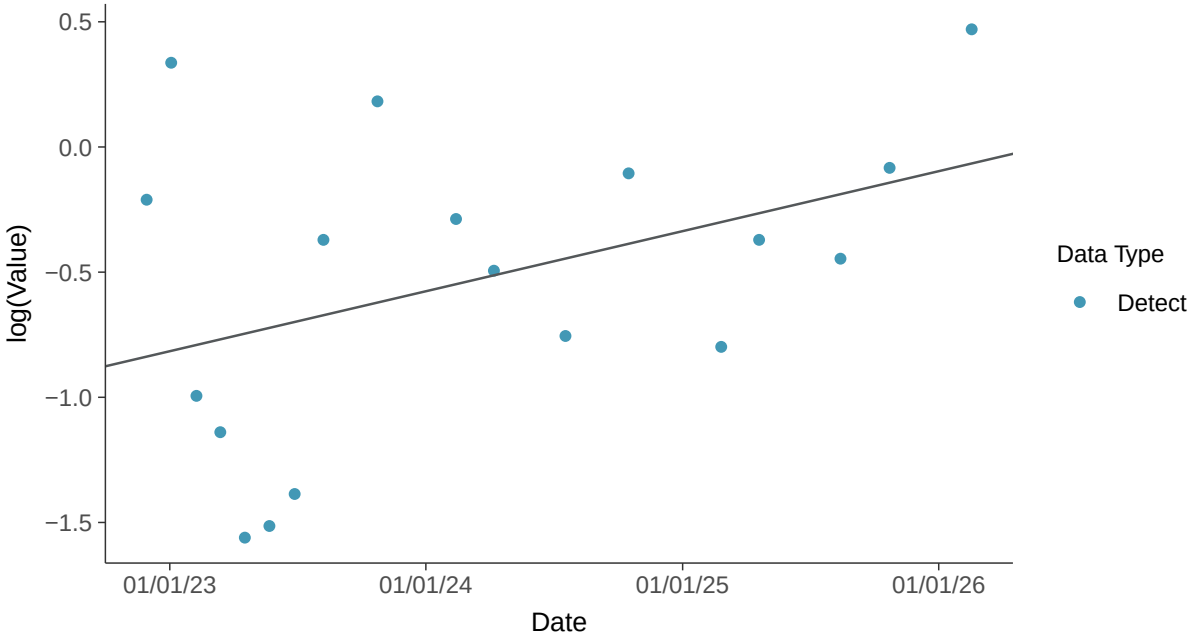
Gamma Q-Q plot

Fluoride, MW-11 (mg/L)



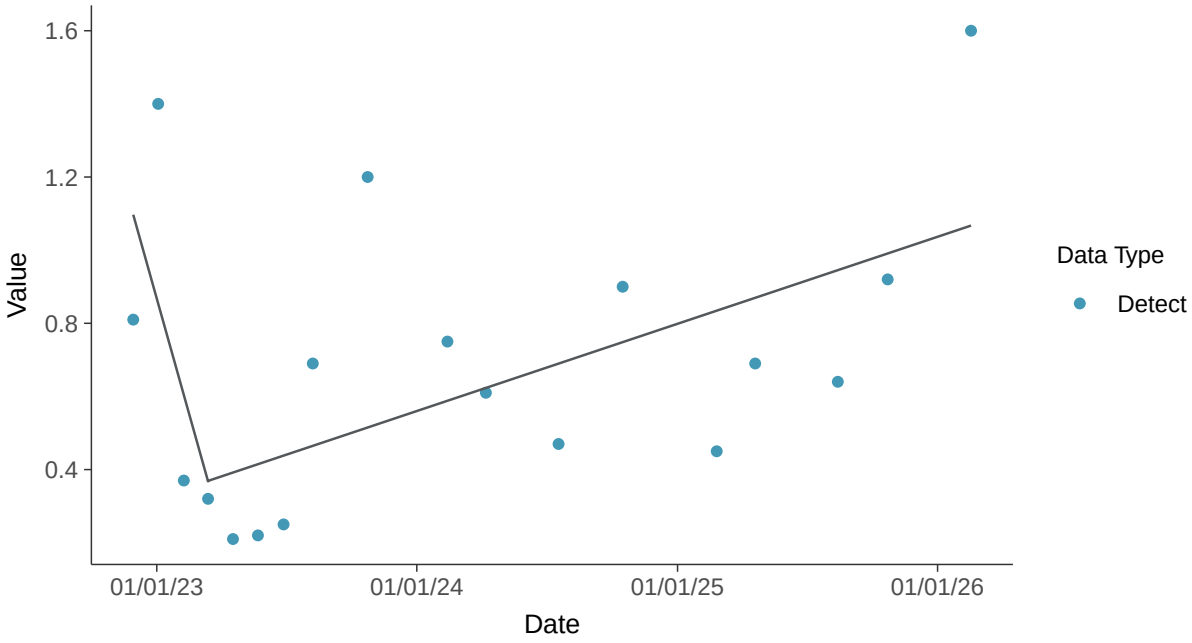
Trend Regression: Lognormal MLE

Fluoride, MW-11 (mg/L)



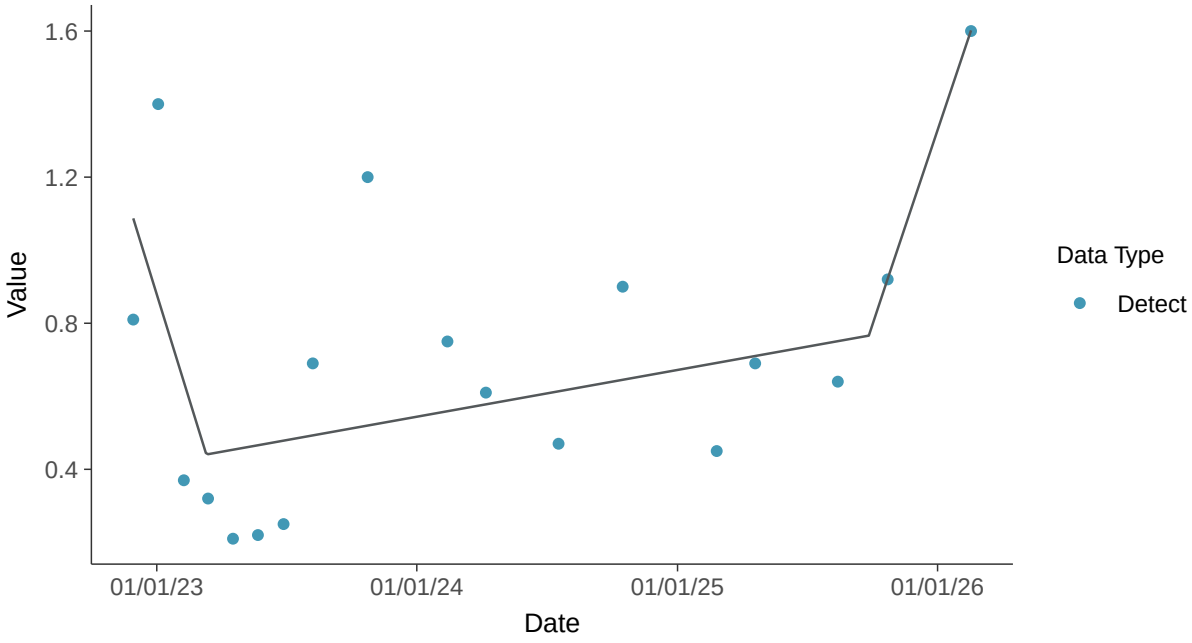
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-11 (mg/L)



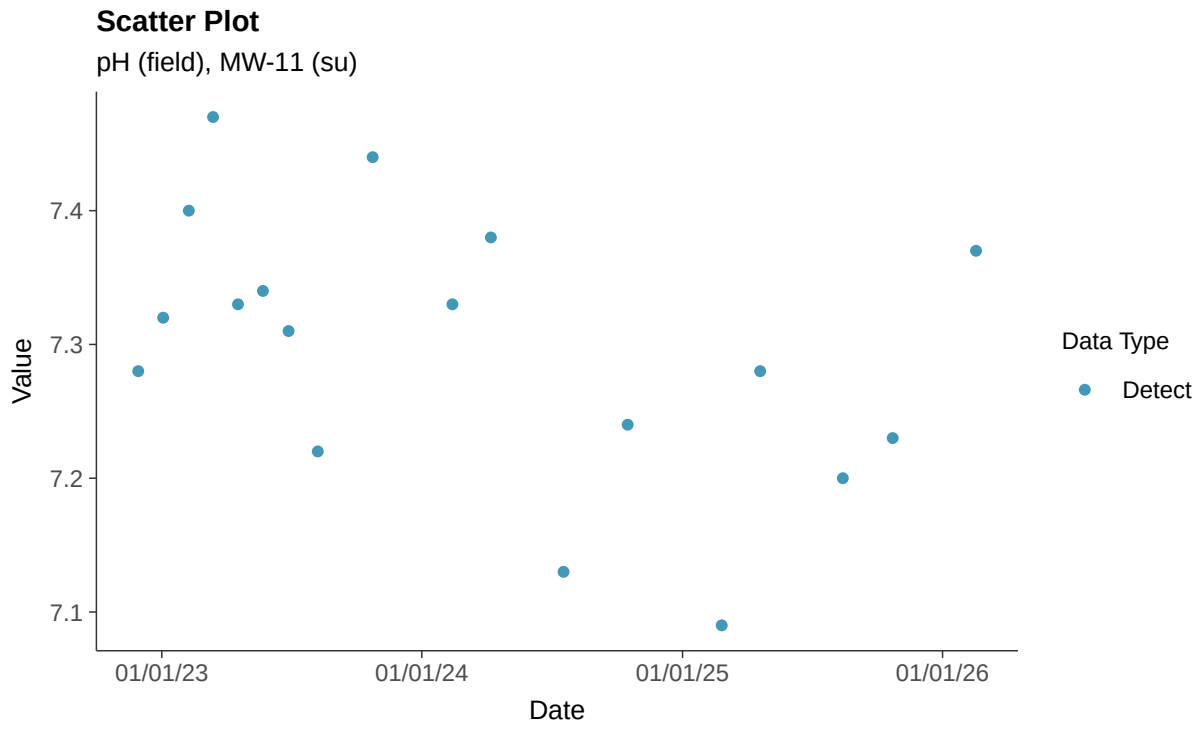
Trend Regression: Piecewise Linear-Linear-Linear

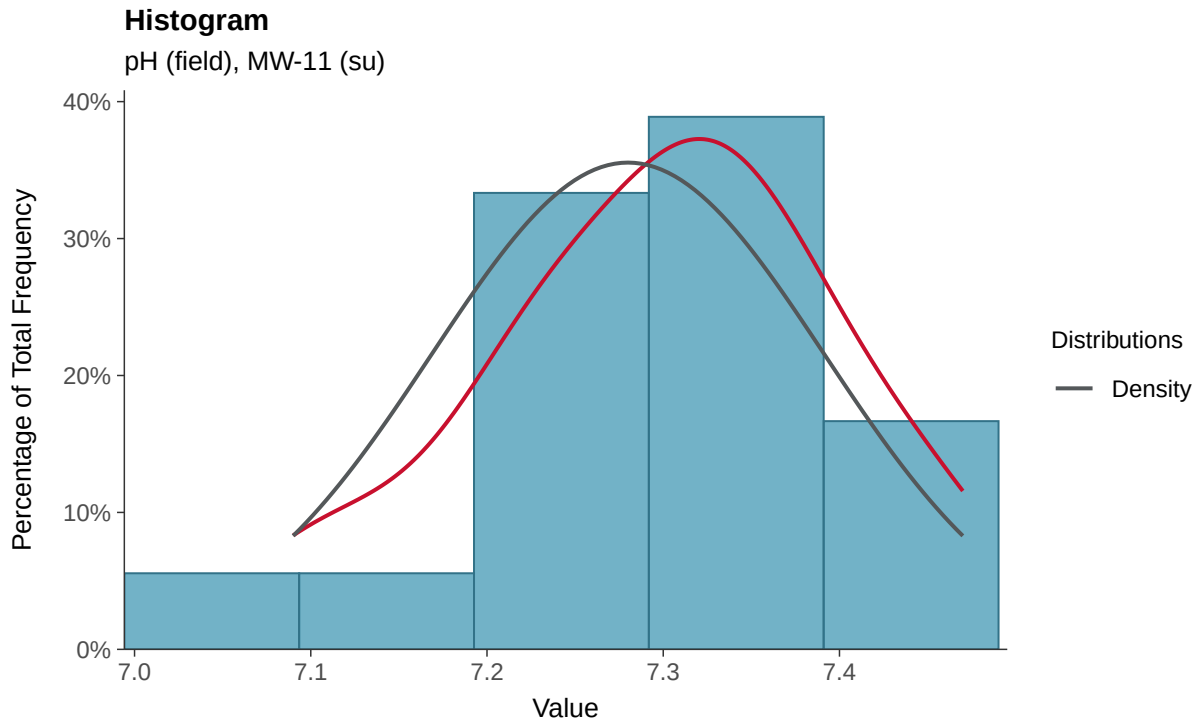
Fluoride, MW-11 (mg/L)



Appendix III: pH (field), MW-11

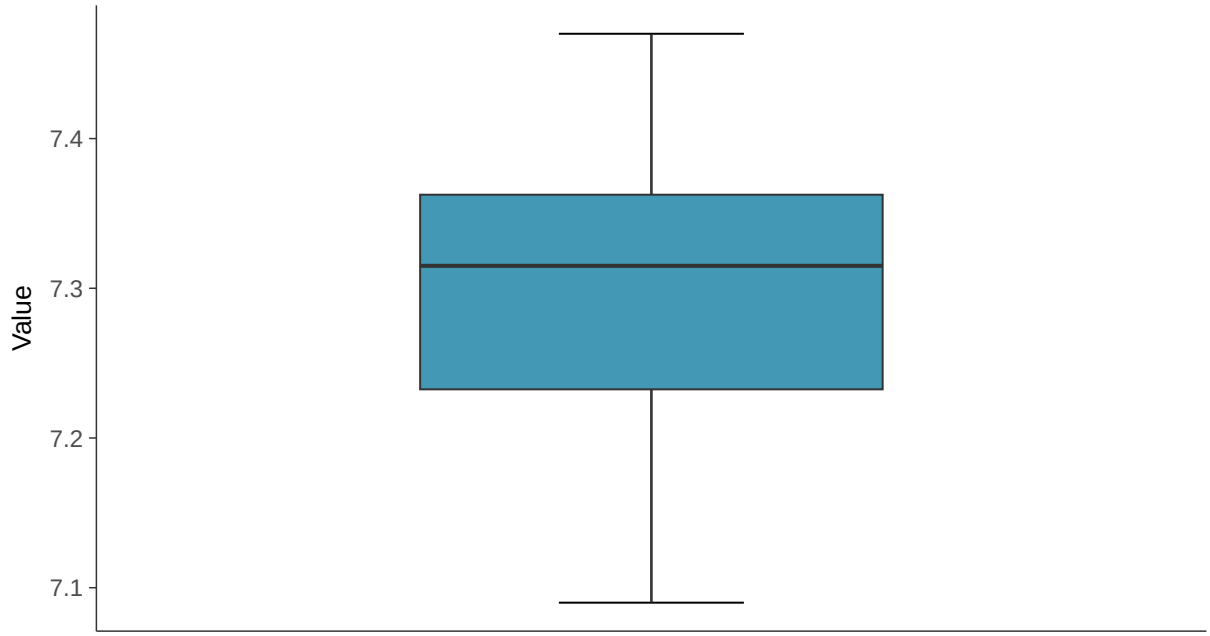
ID: 21_2_3_120





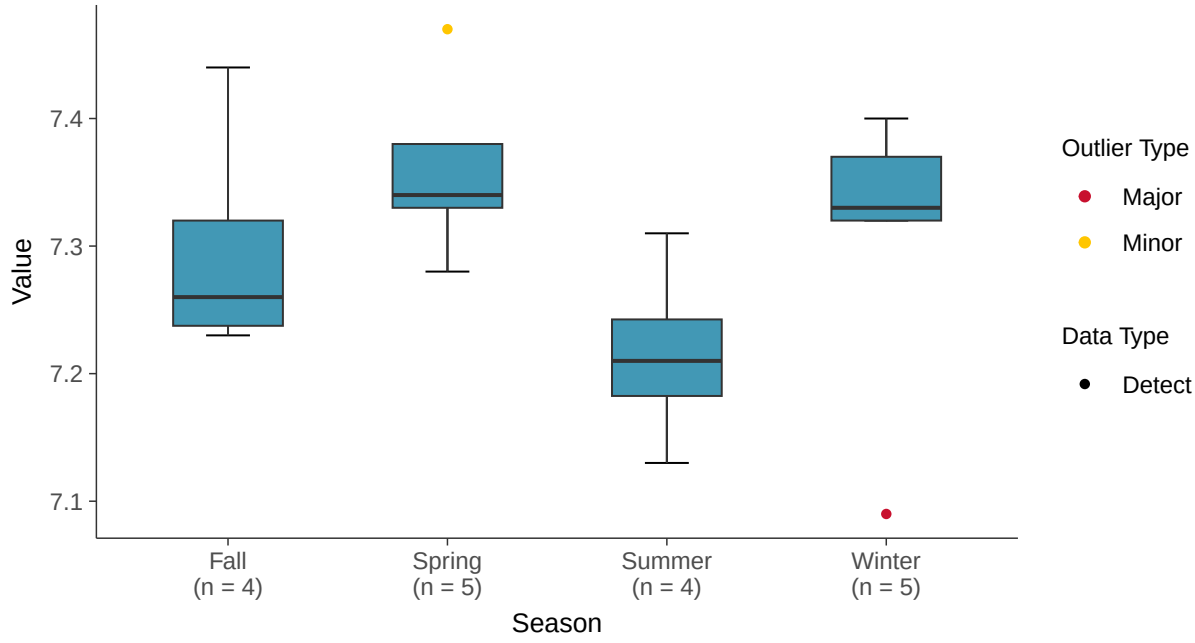
Boxplot

pH (field), MW-11 (su)



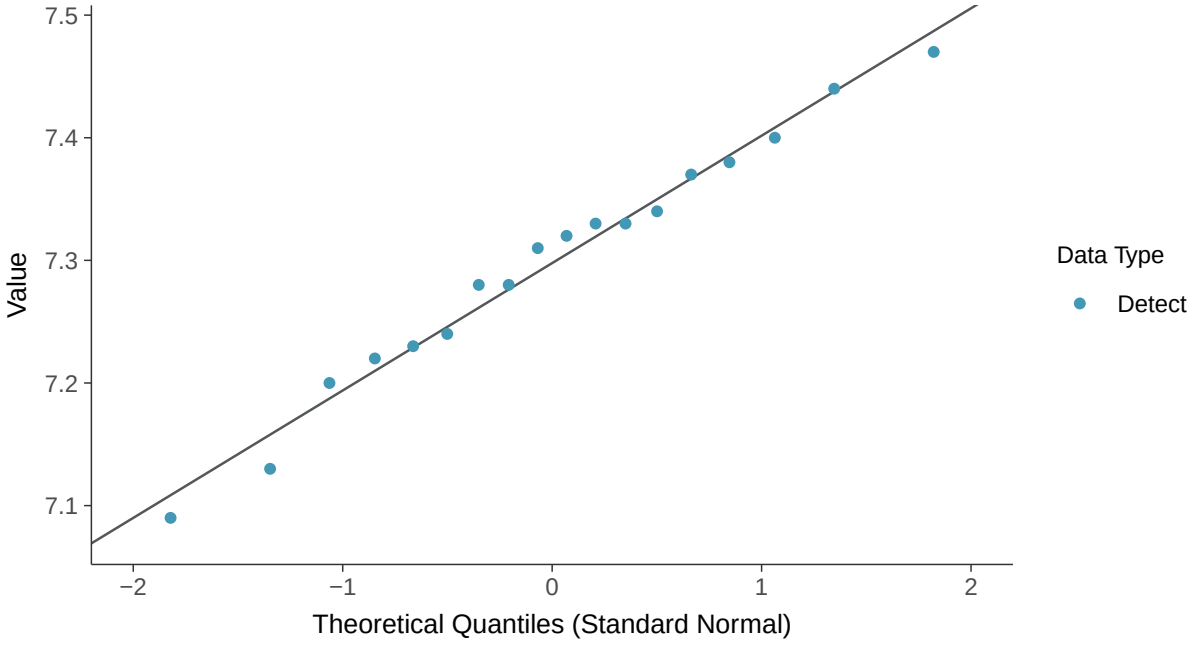
Boxplot by Season

pH (field), MW-11 (su)



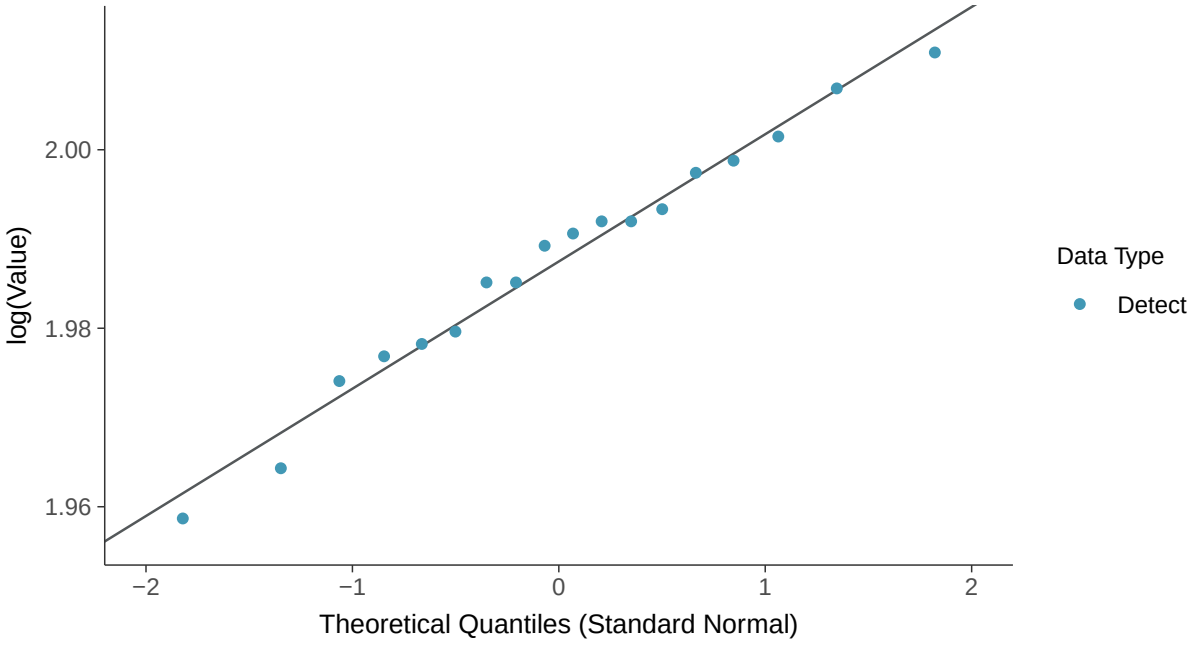
Normal Q-Q plot

pH (field), MW-11 (su)



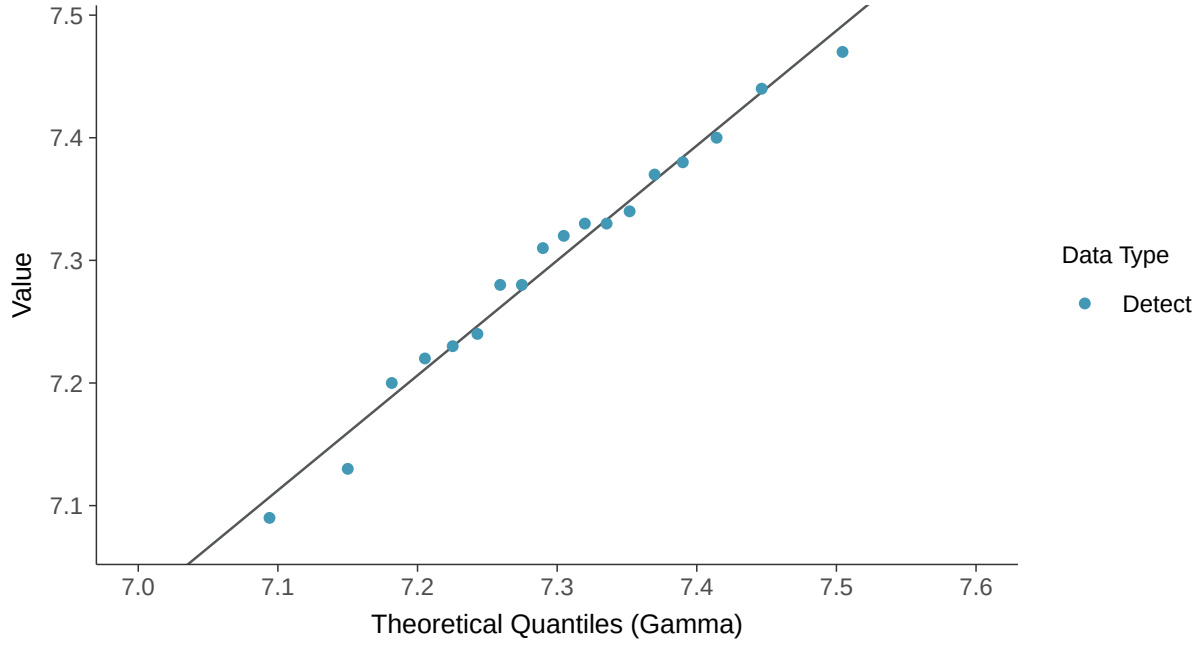
Lognormal Q-Q plot

pH (field), MW-11 (su)



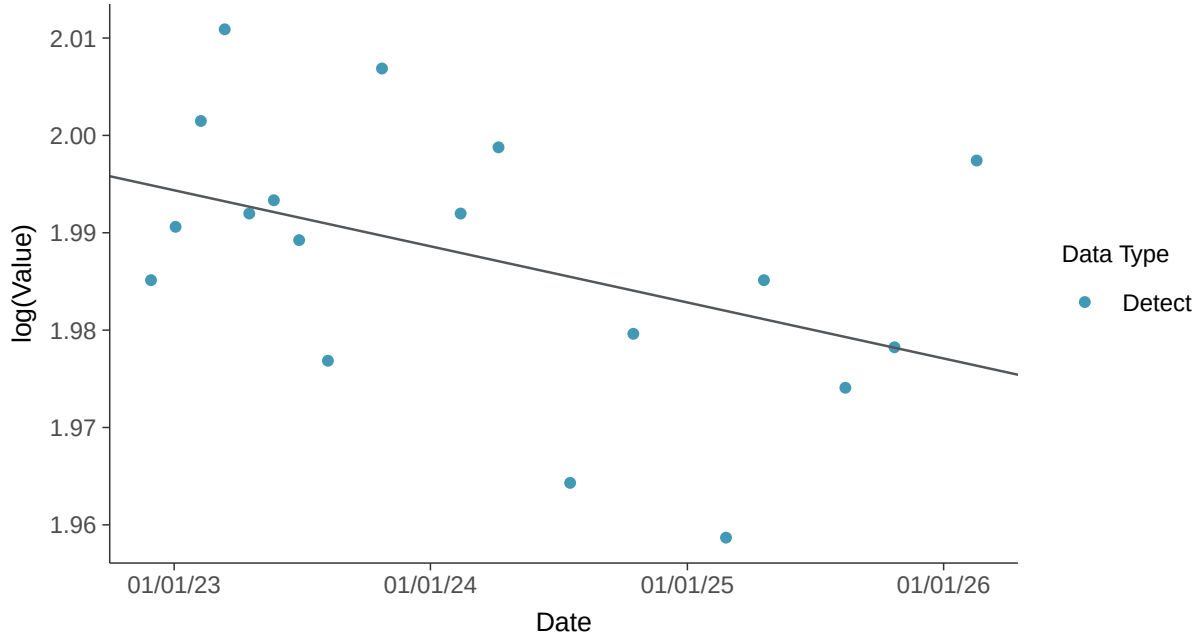
Gamma Q-Q plot

pH (field), MW-11 (su)



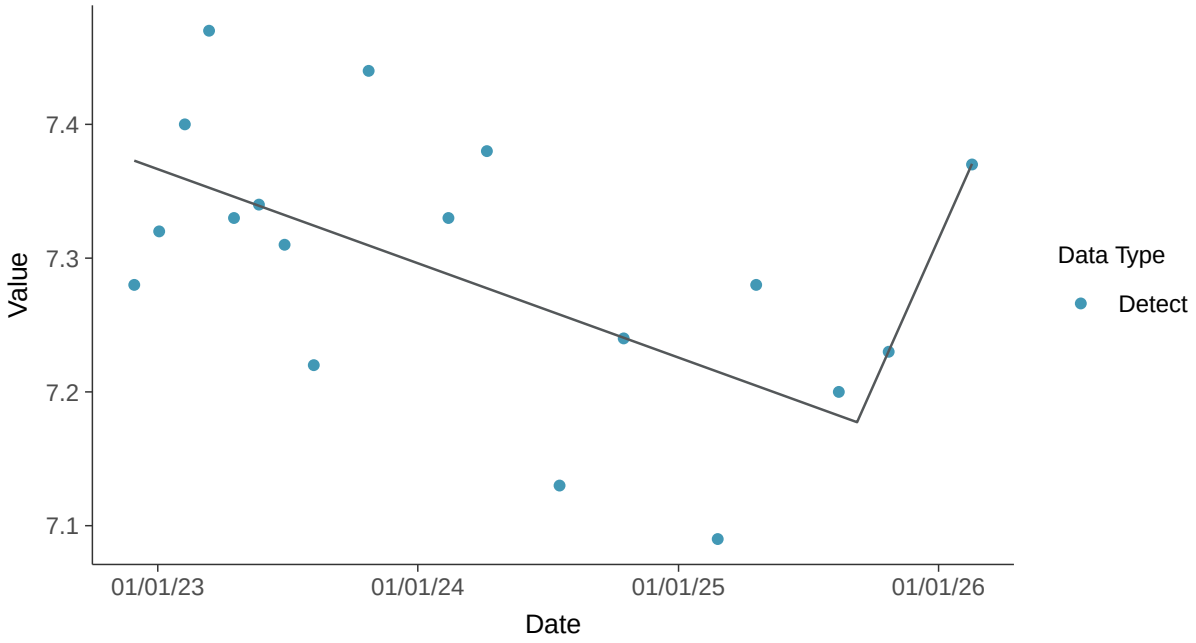
Trend Regression: Lognormal MLE

pH (field), MW-11 (su)



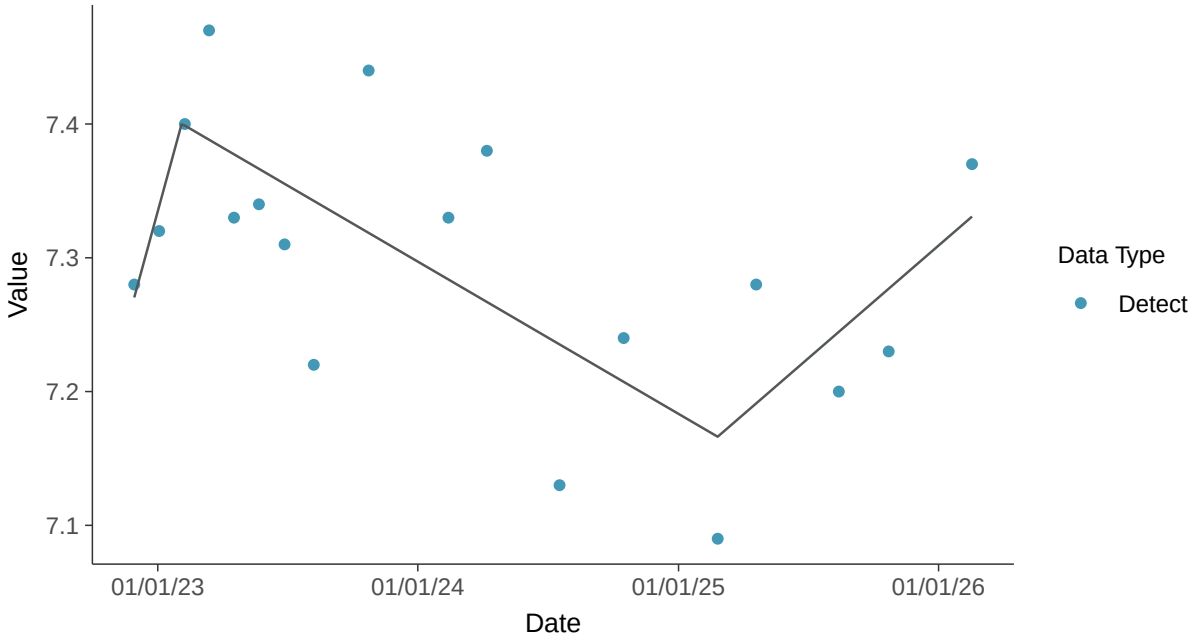
Trend Regression: Piecewise Linear-Linear

pH (field), MW-11 (su)



Trend Regression: Piecewise Linear-Linear-Linear

pH (field), MW-11 (su)

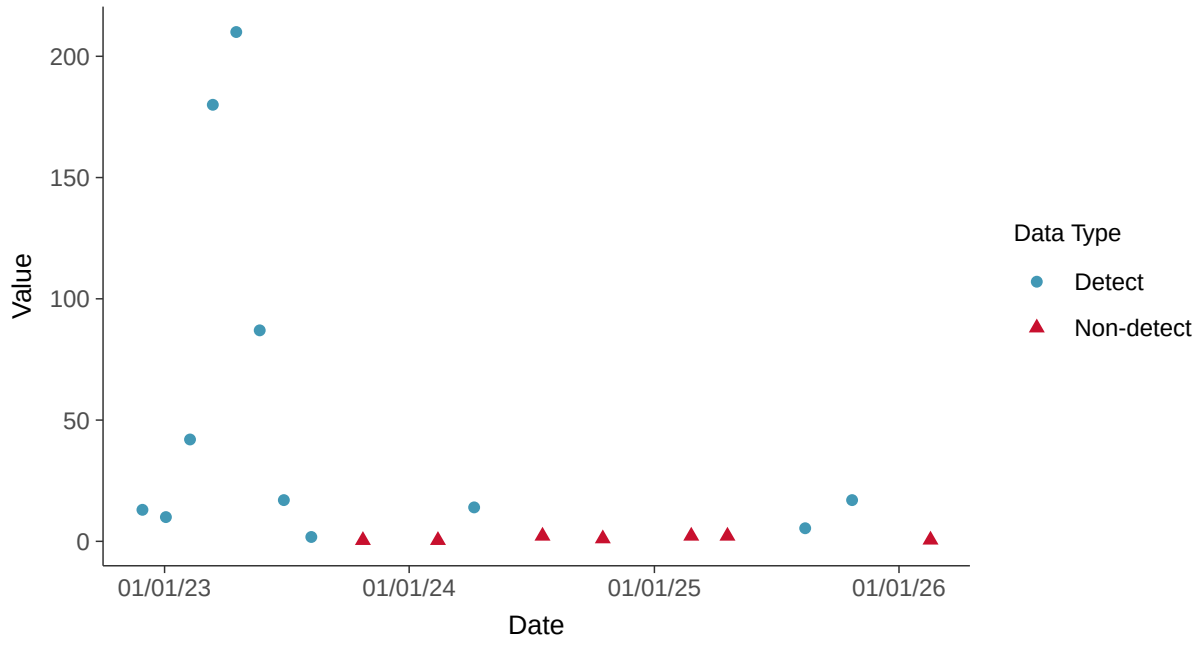


Appendix III: Sulfate (as SO4), MW-11

ID: 21_2_3_124

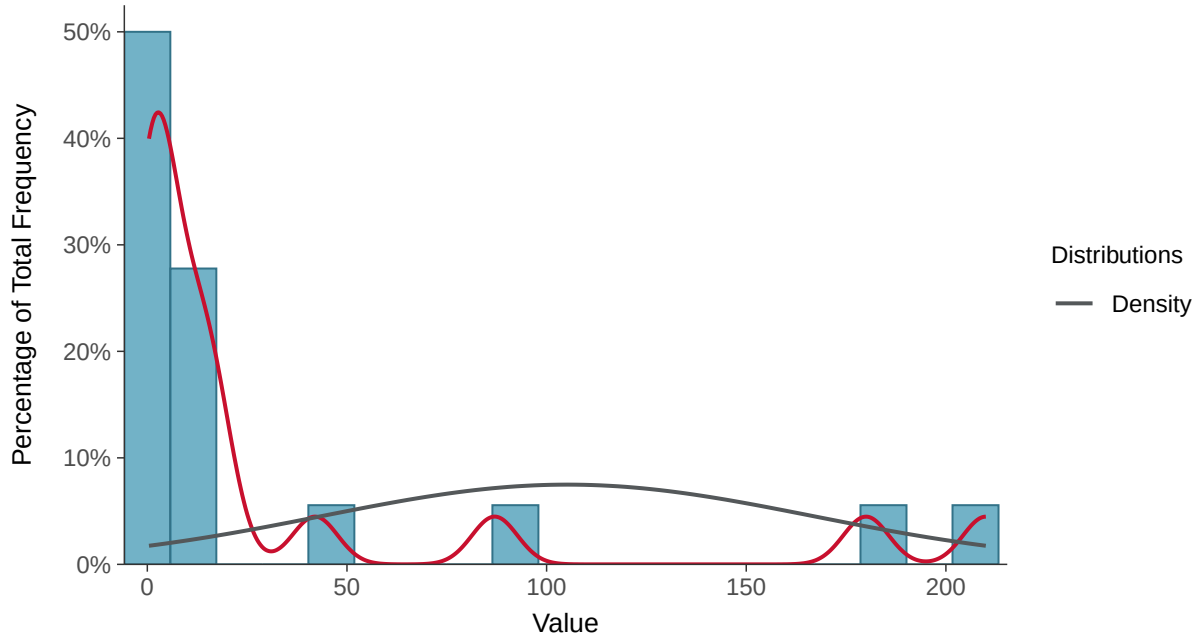
Scatter Plot

Sulfate (as SO4), MW-11 (mg/L)



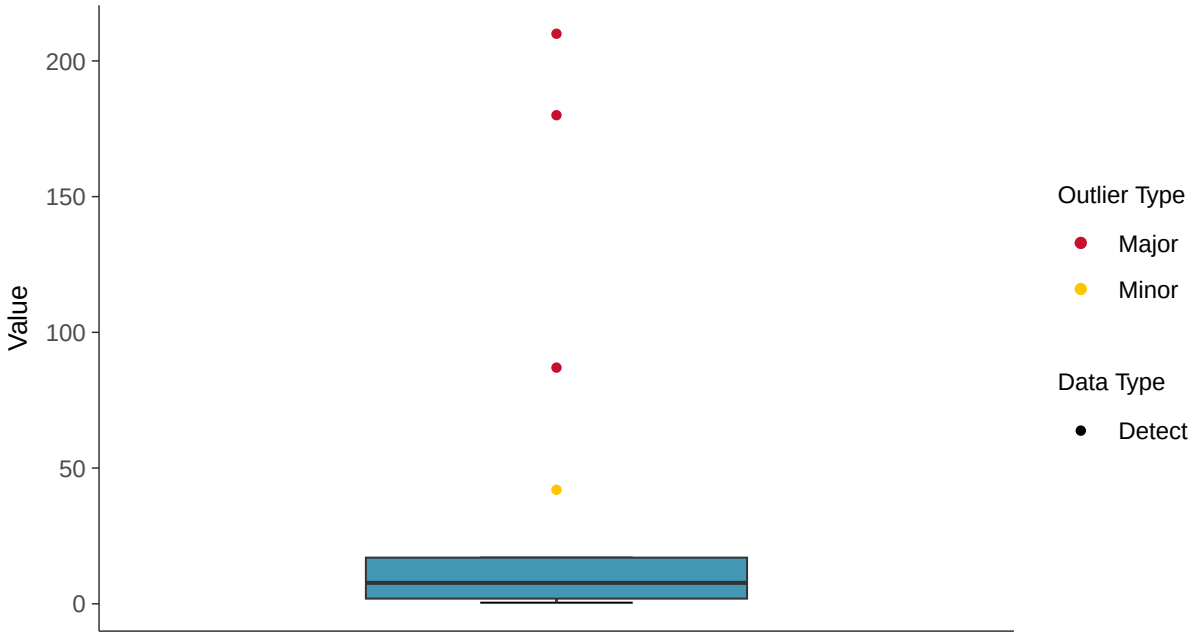
Histogram

Sulfate (as SO4), MW-11 (mg/L)



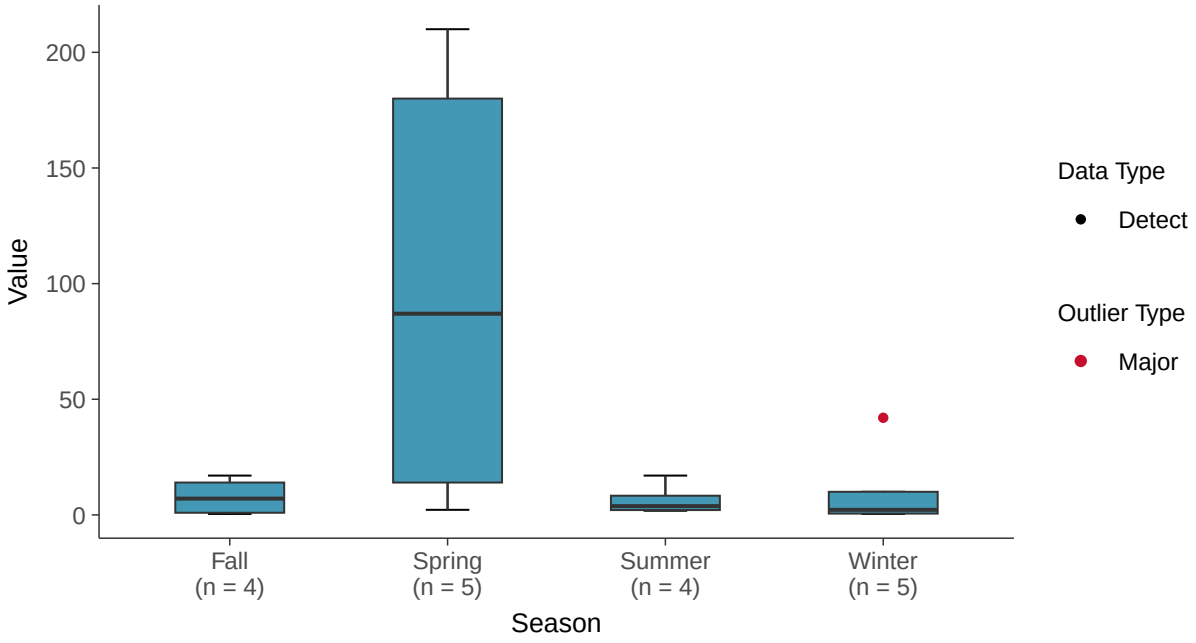
Boxplot

Sulfate (as SO4), MW-11 (mg/L)



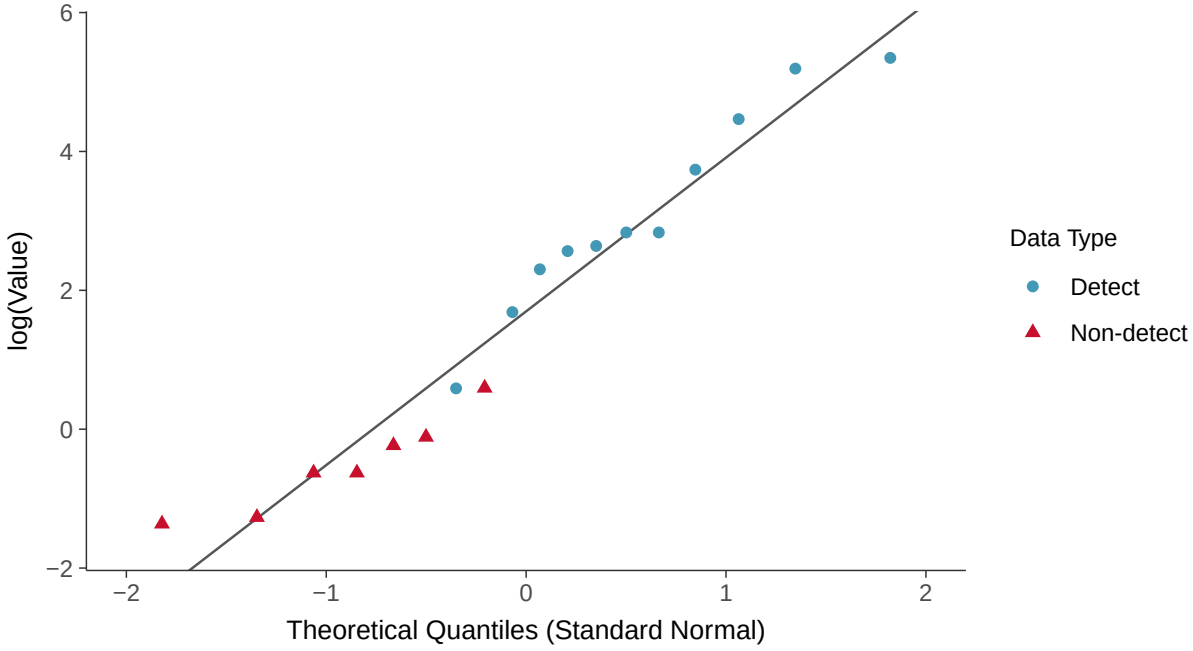
Boxplot by Season

Sulfate (as SO4), MW-11 (mg/L)



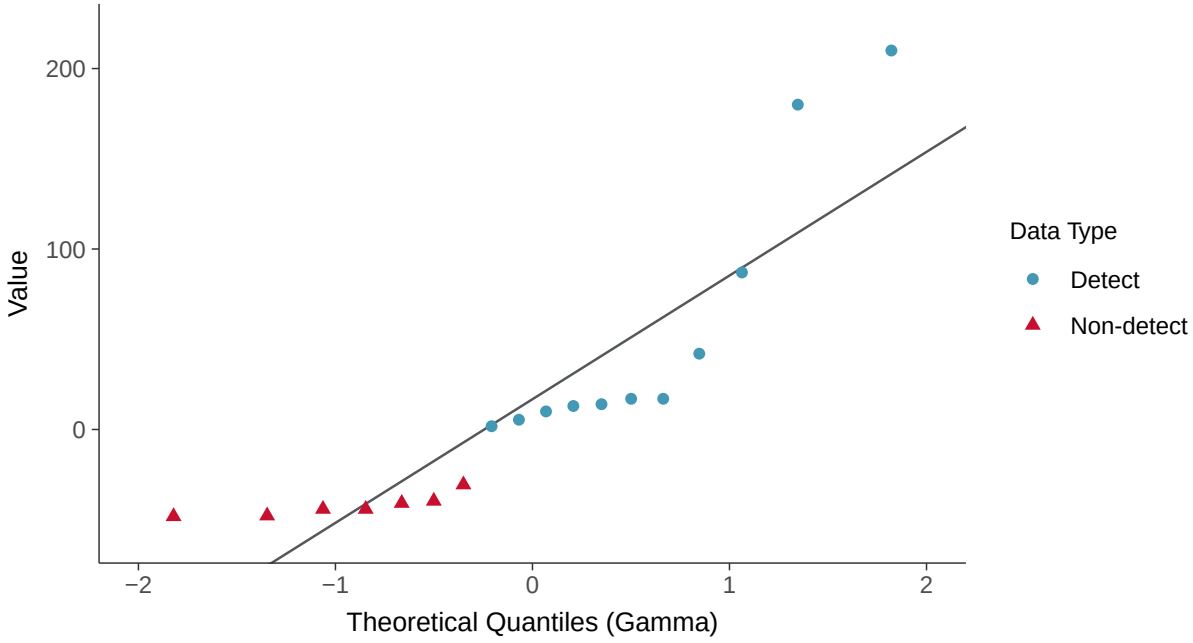
Lognormal Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-11 (mg/L)



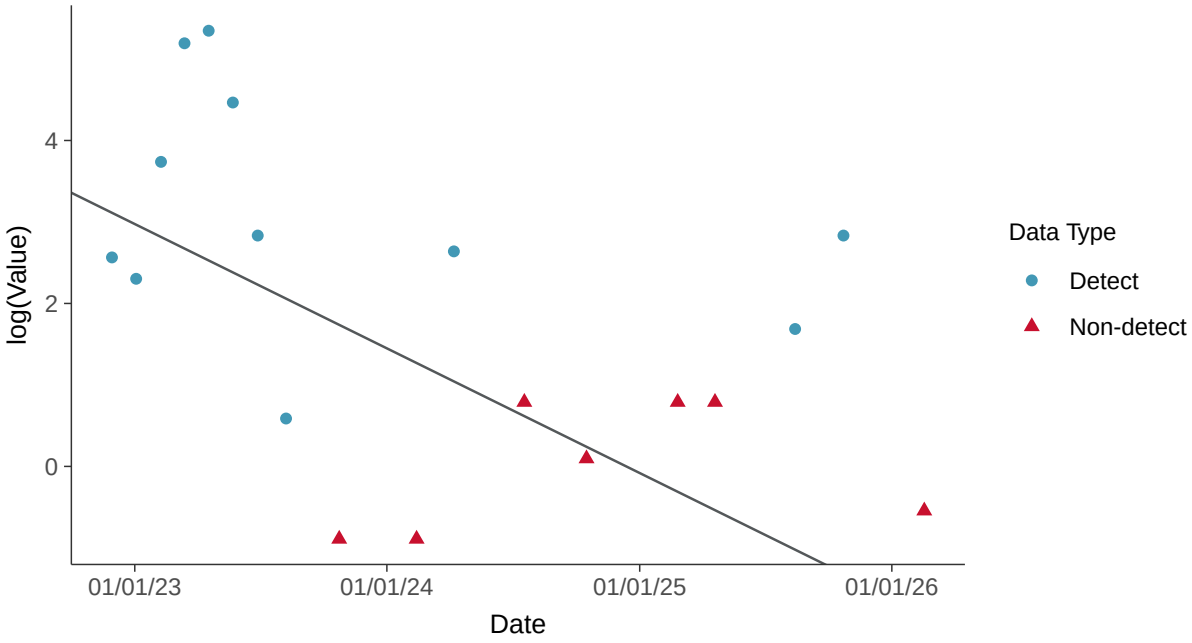
Gamma Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-11 (mg/L)



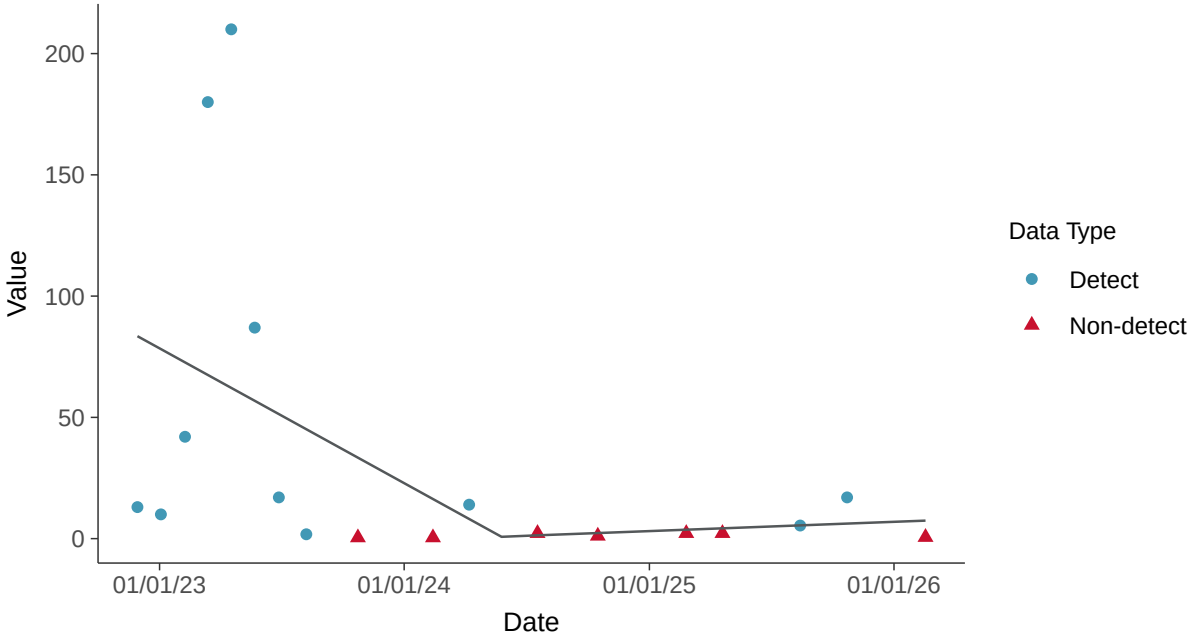
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-11 (mg/L)



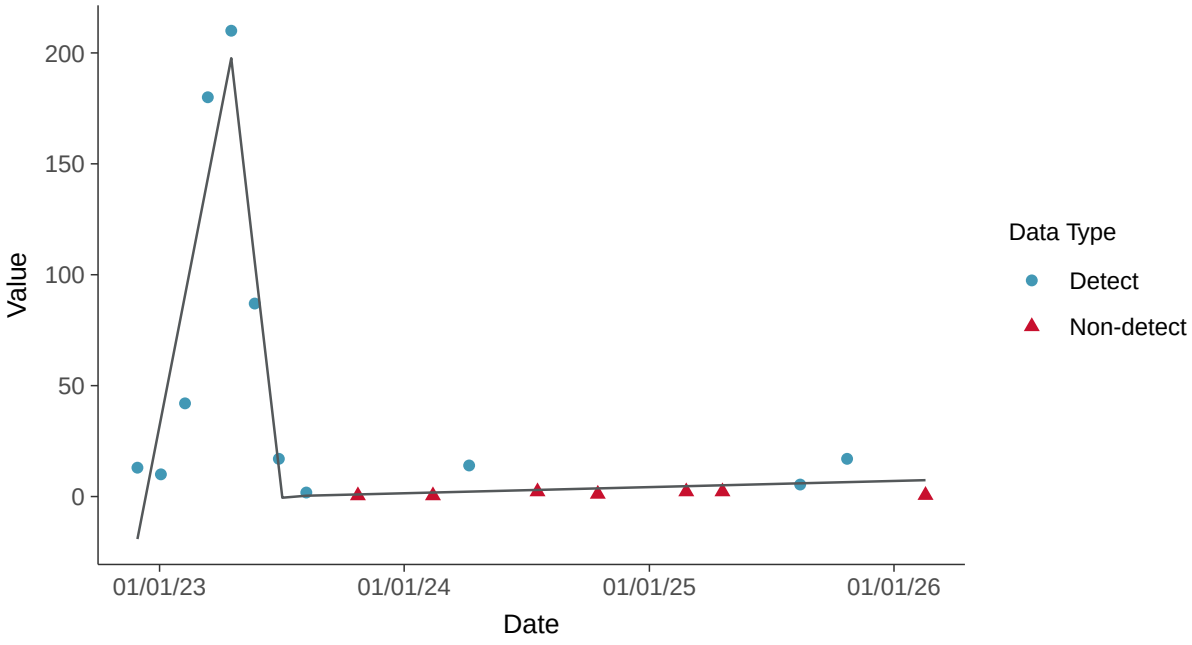
Trend Regression: Piecewise Linear-Linear

Sulfate (as SO4), MW-11 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Sulfate (as SO4), MW-11 (mg/L)

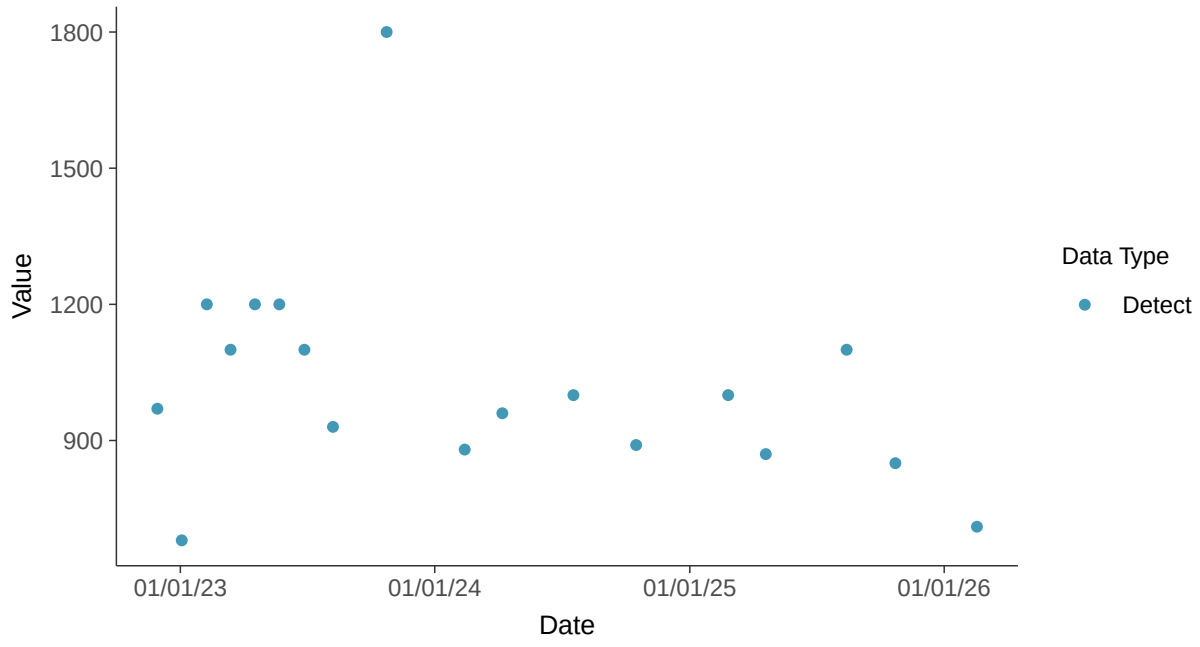


Appendix III: Total Dissolved Solids, MW-11

ID: 21_2_3_126

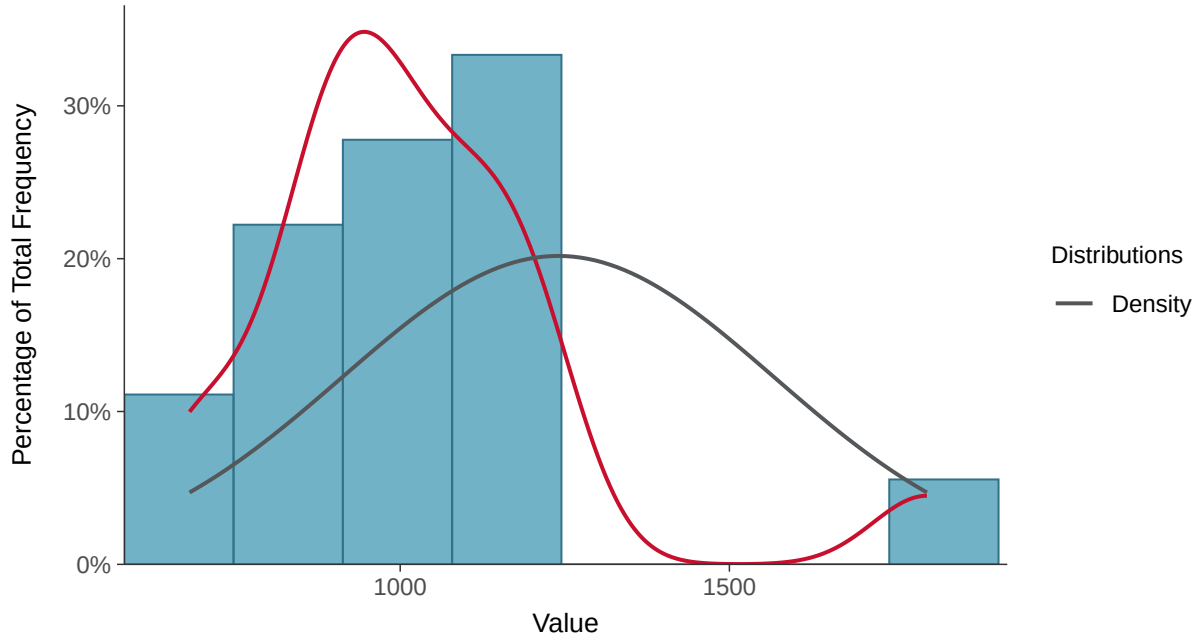
Scatter Plot

Total Dissolved Solids, MW-11 (mg/L)



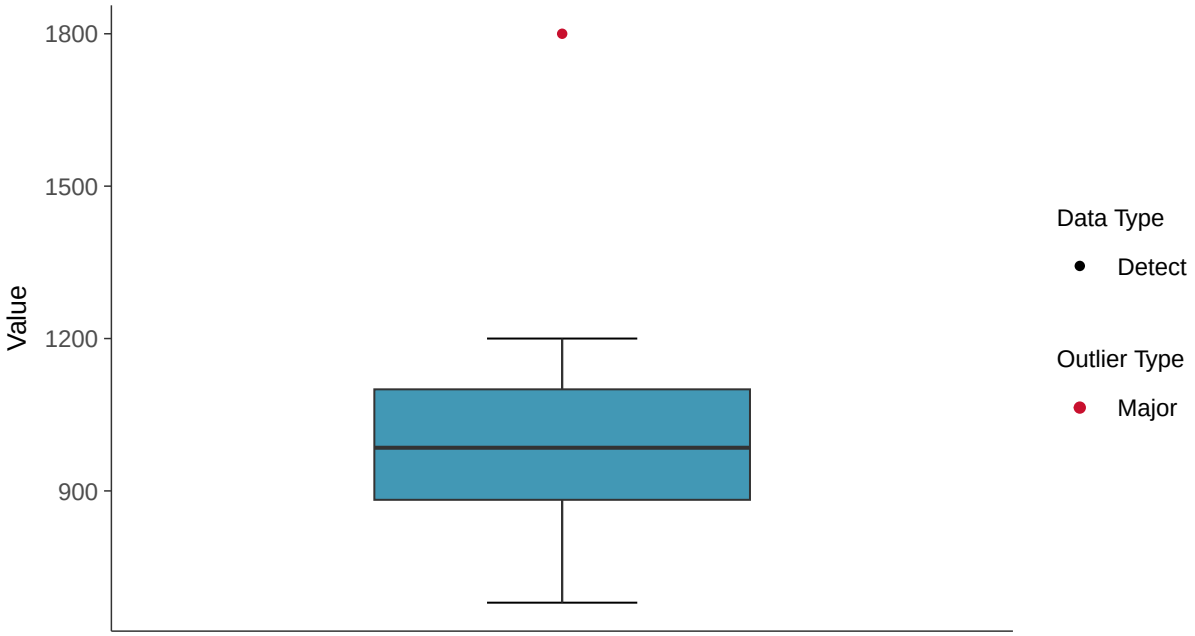
Histogram

Total Dissolved Solids, MW-11 (mg/L)



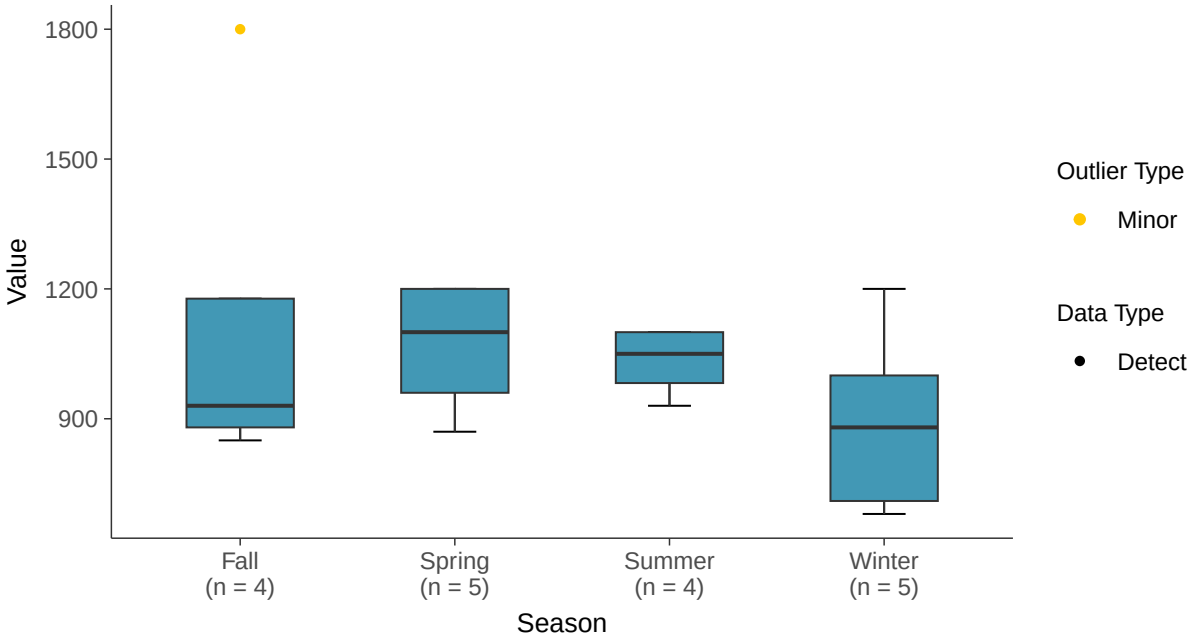
Boxplot

Total Dissolved Solids, MW-11 (mg/L)



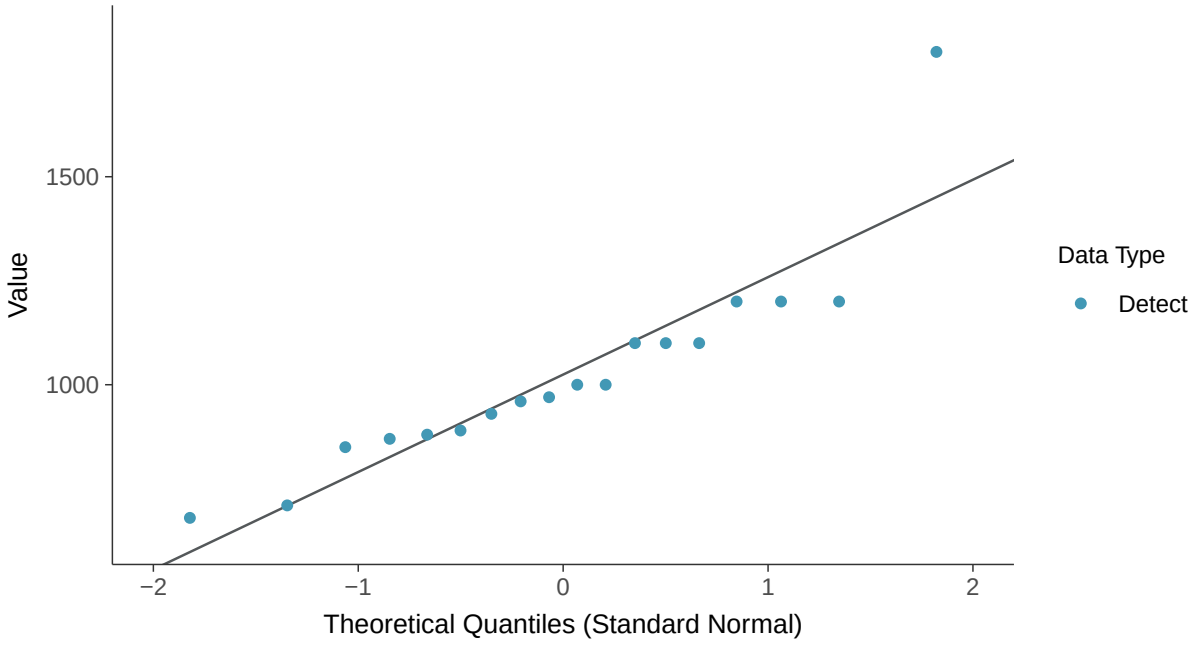
Boxplot by Season

Total Dissolved Solids, MW-11 (mg/L)



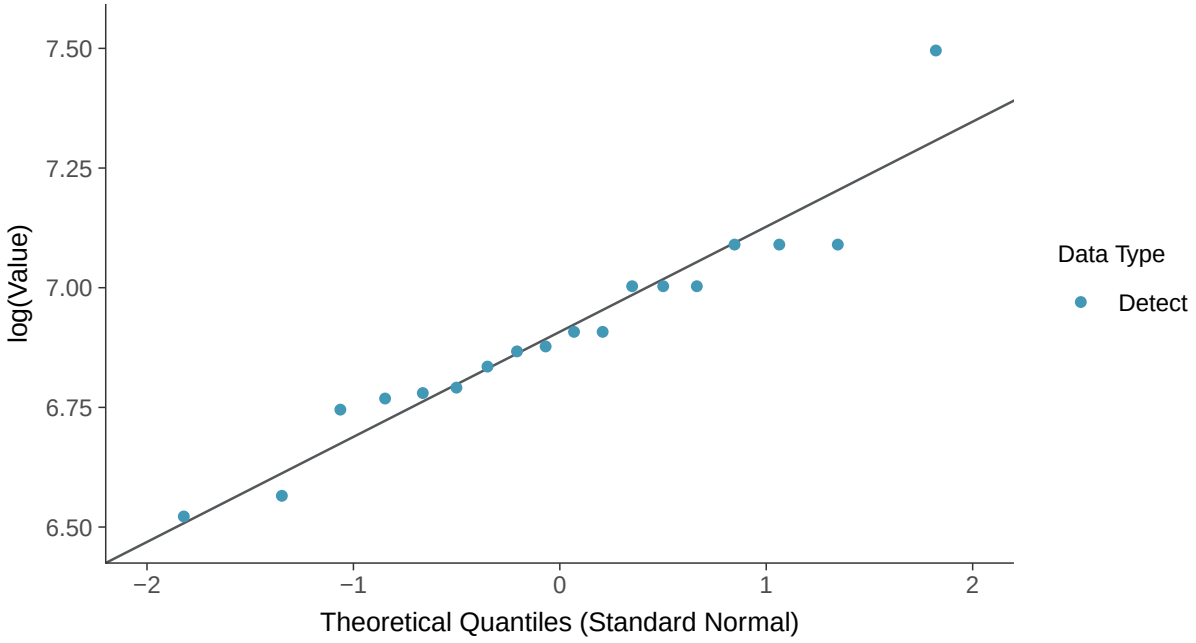
Normal Q-Q plot

Total Dissolved Solids, MW-11 (mg/L)



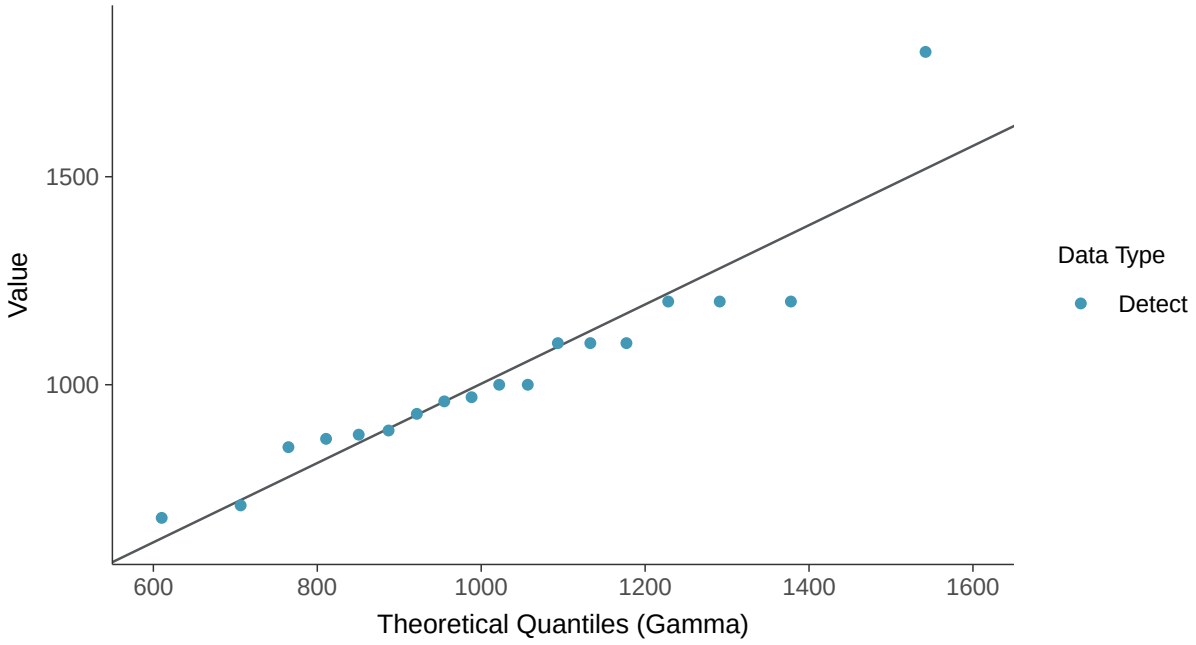
Lognormal Q-Q plot

Total Dissolved Solids, MW-11 (mg/L)



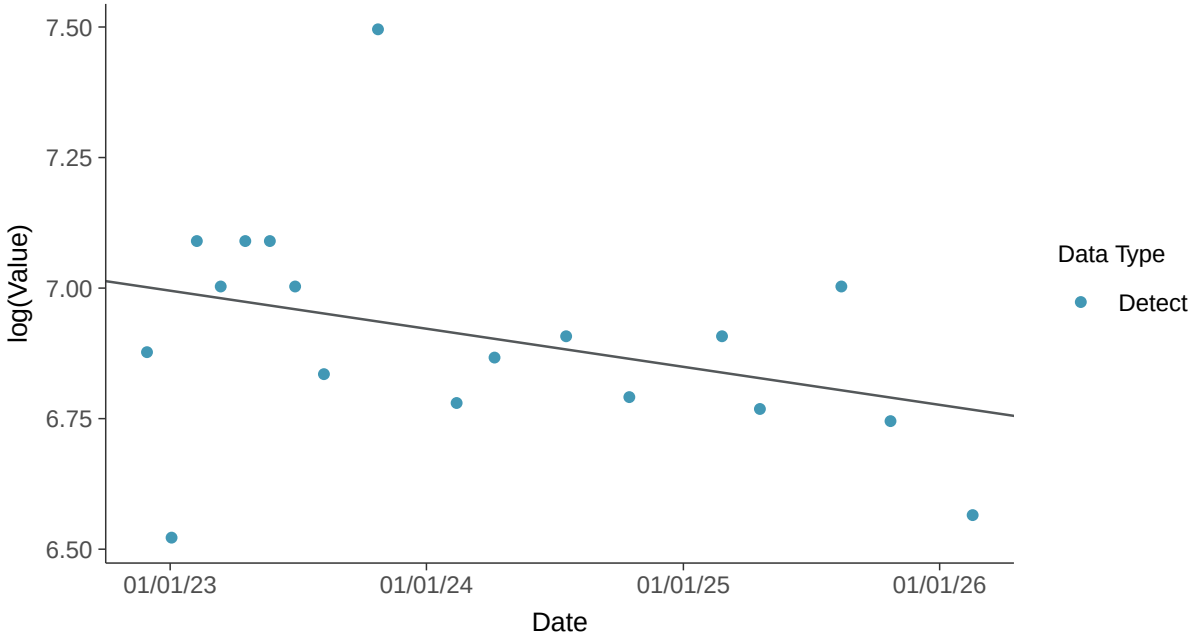
Gamma Q-Q plot

Total Dissolved Solids, MW-11 (mg/L)



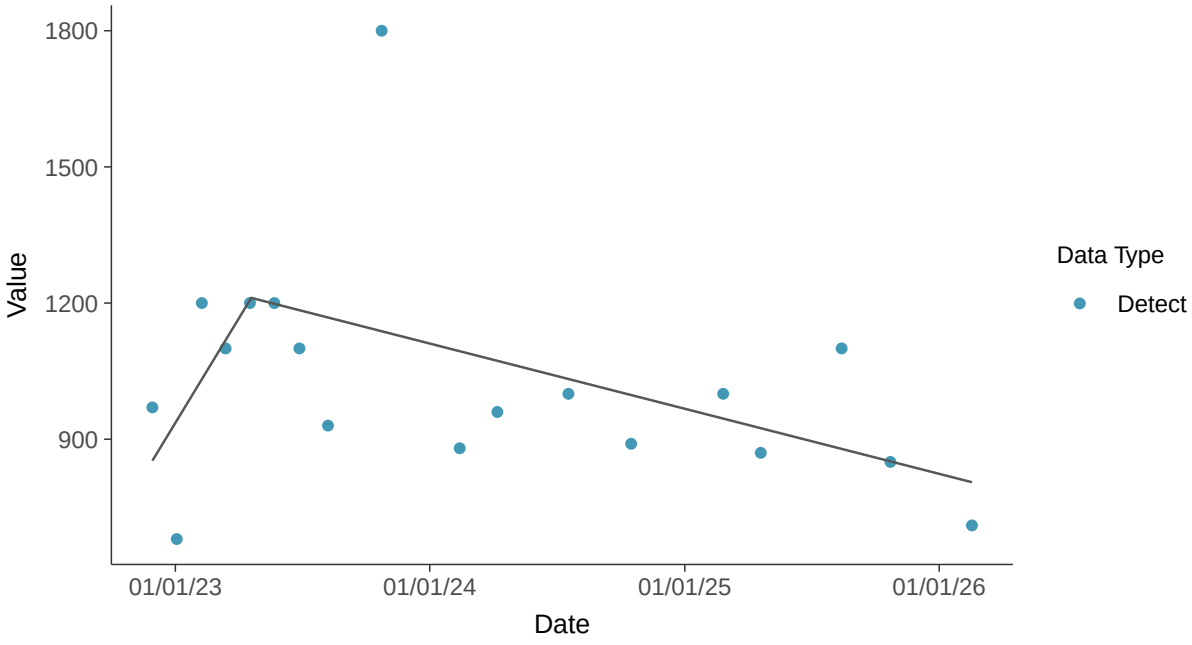
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-11 (mg/L)



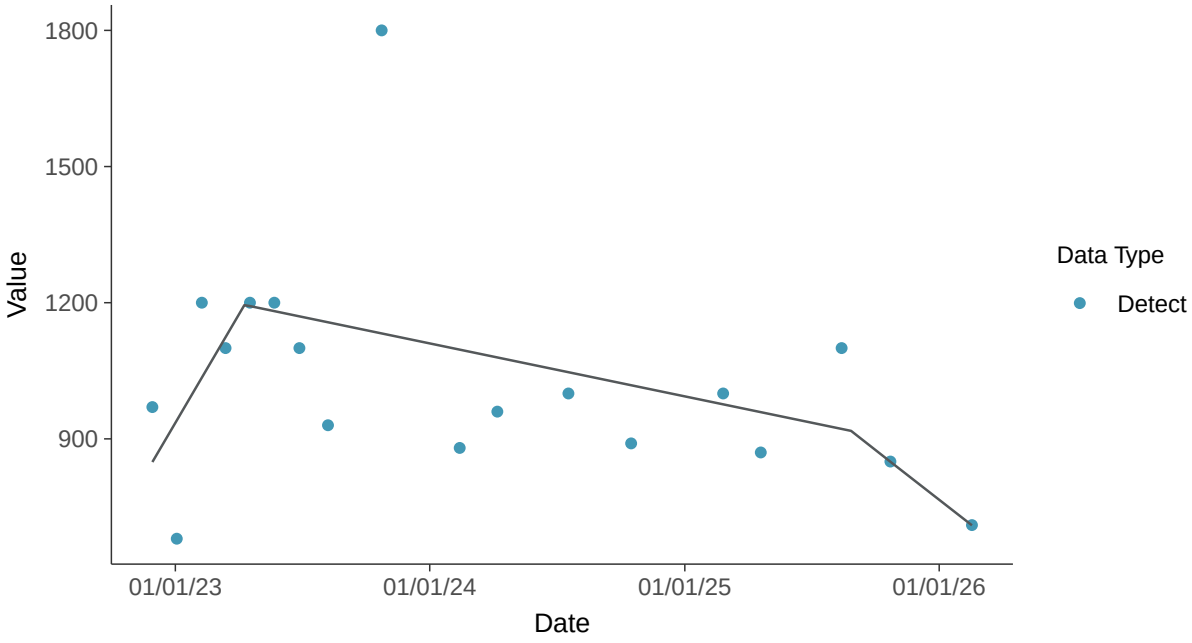
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-11 (mg/L)



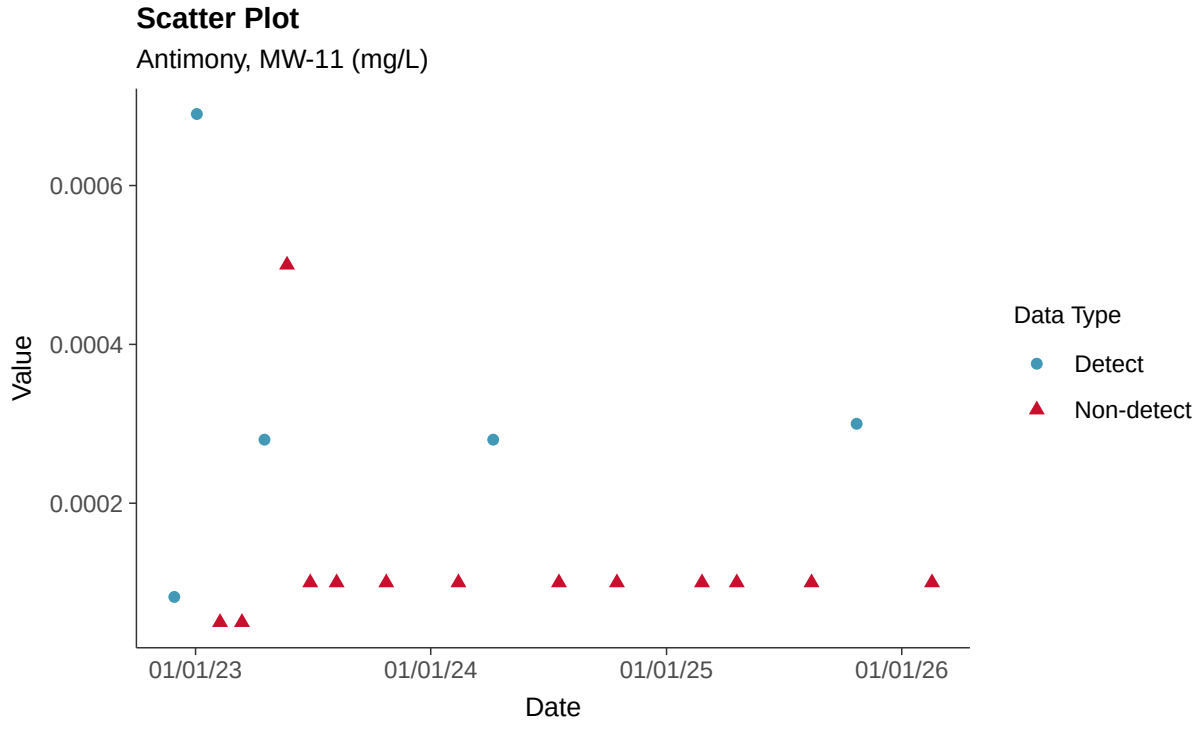
Trend Regression: Piecewise Linear-Linear-Linear

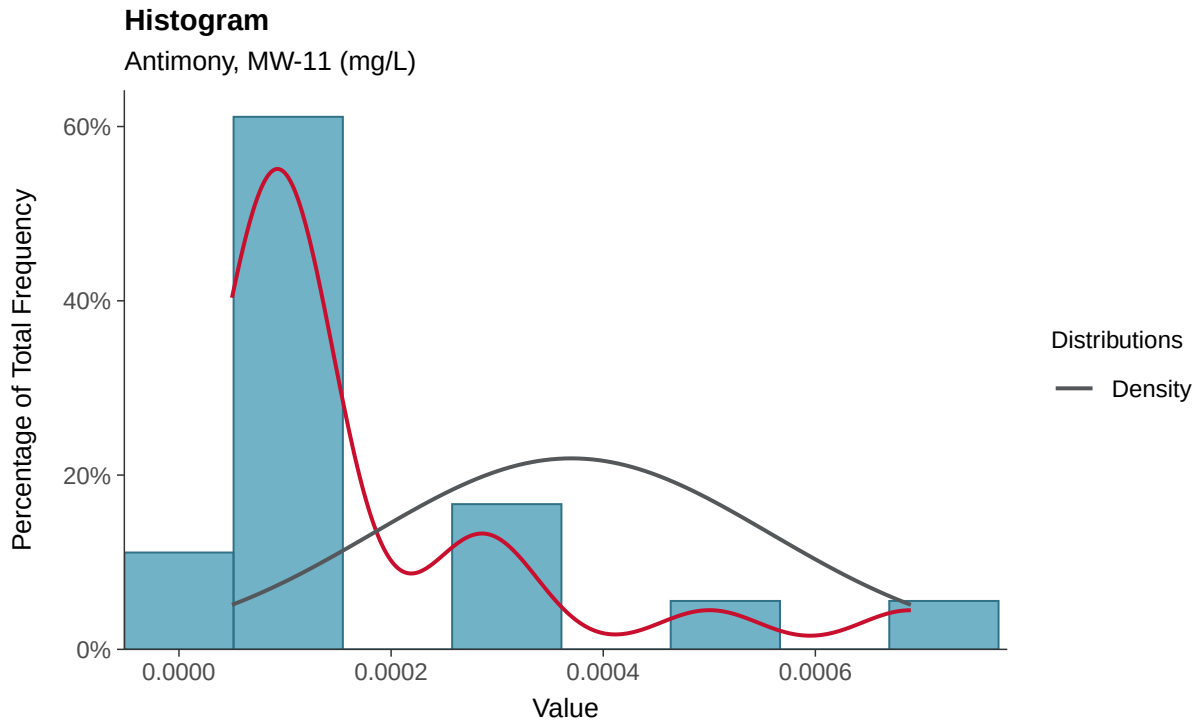
Total Dissolved Solids, MW-11 (mg/L)



Appendix IV: Antimony, MW-11

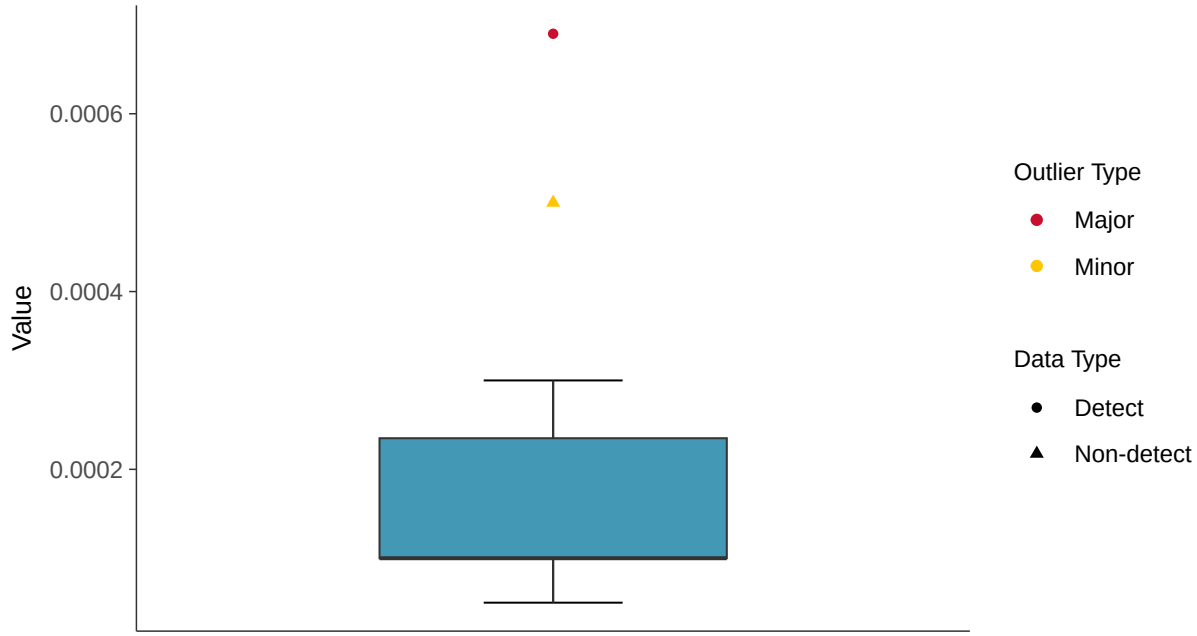
ID: 21_2_4_101





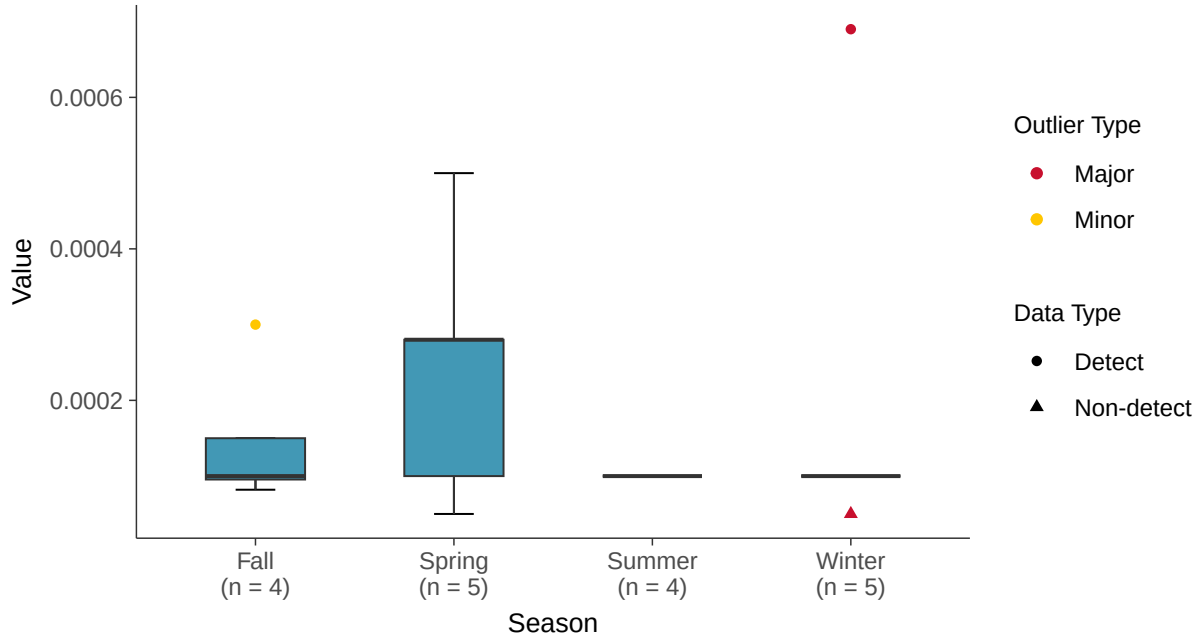
Boxplot

Antimony, MW-11 (mg/L)



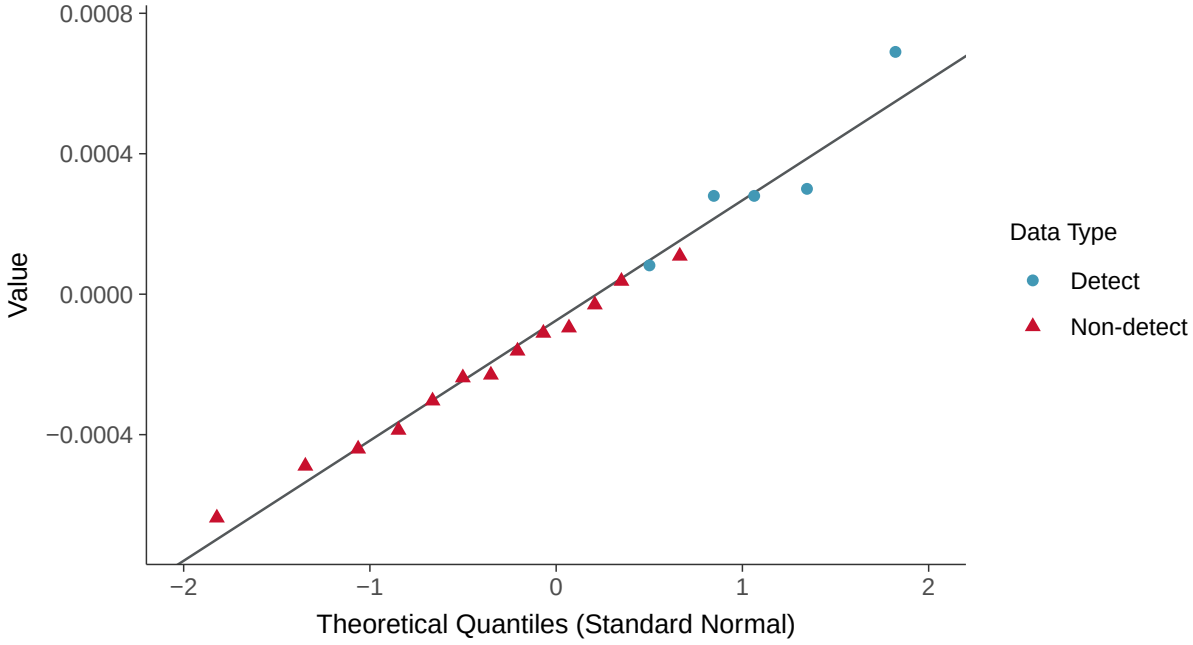
Boxplot by Season

Antimony, MW-11 (mg/L)



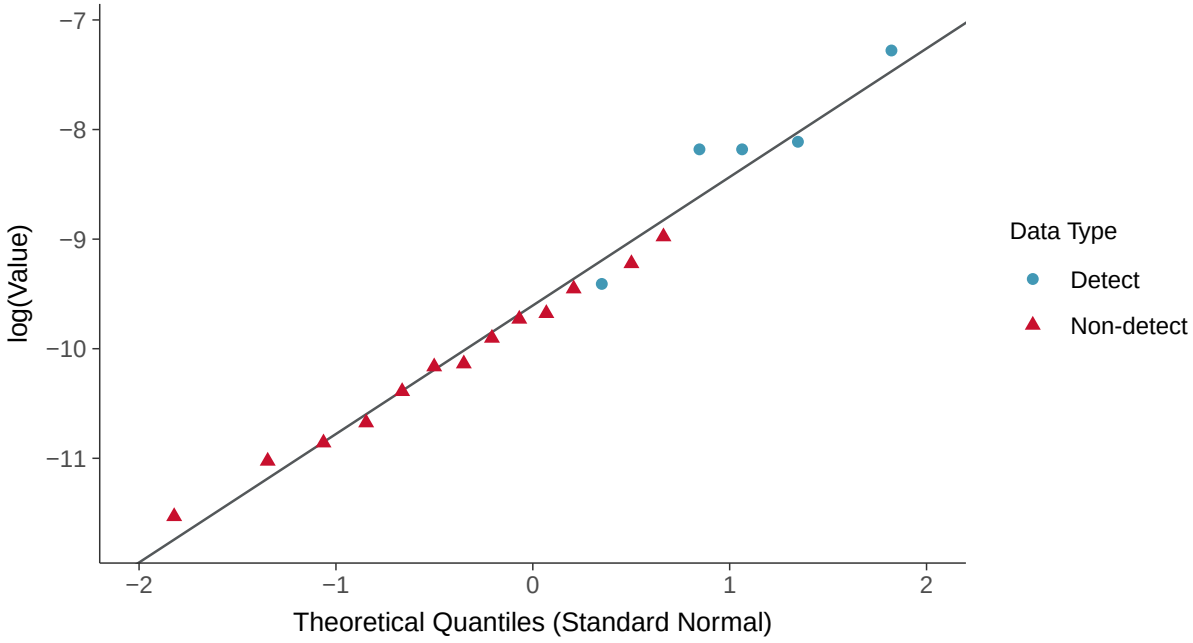
Normal Q-Q plot using ROS Imputed Estimates

Antimony, MW-11 (mg/L)



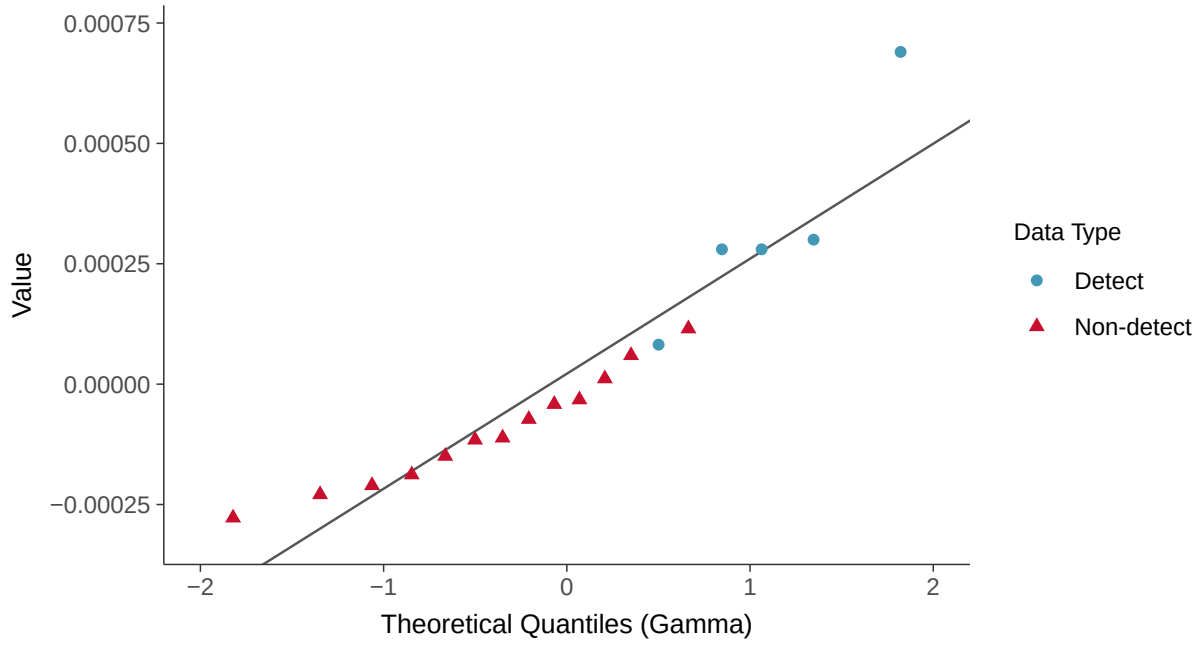
Lognormal Q-Q plot using ROS Imputed Estimates

Antimony, MW-11 (mg/L)



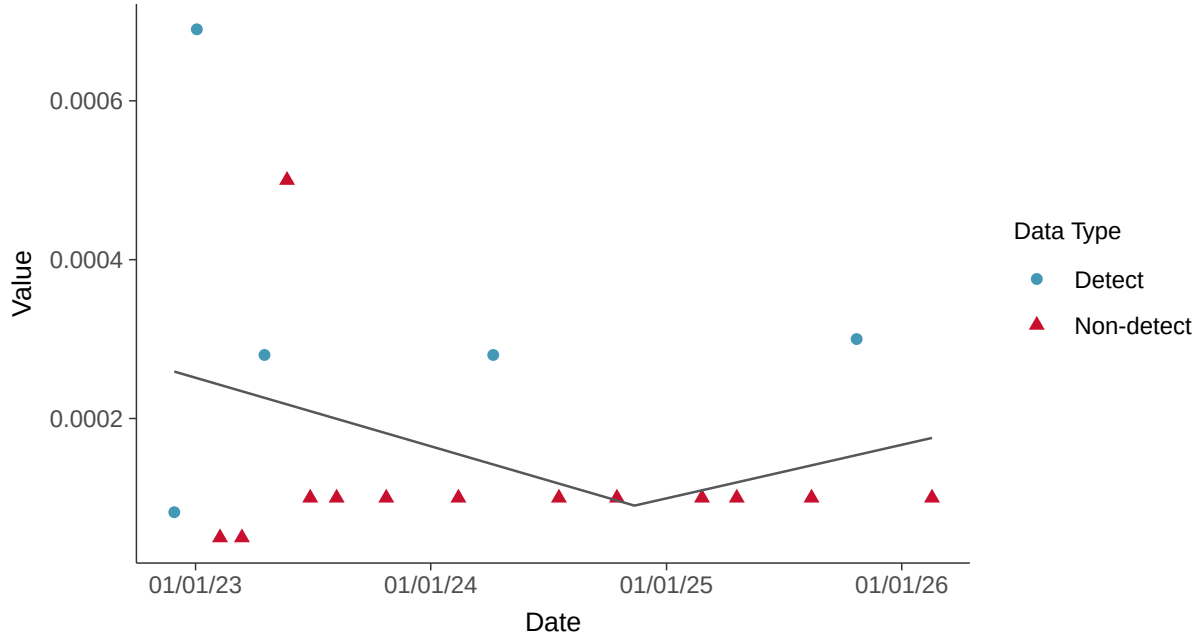
Gamma Q-Q plot using ROS Imputed Estimates

Antimony, MW-11 (mg/L)



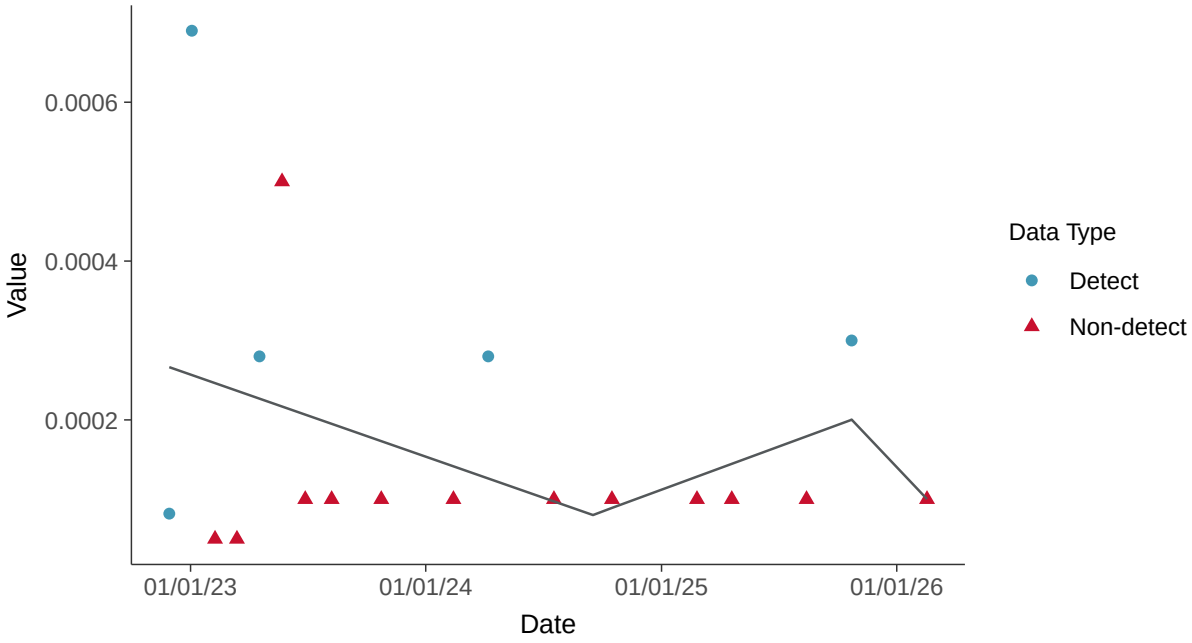
Trend Regression: Piecewise Linear-Linear

Antimony, MW-11 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Antimony, MW-11 (mg/L)

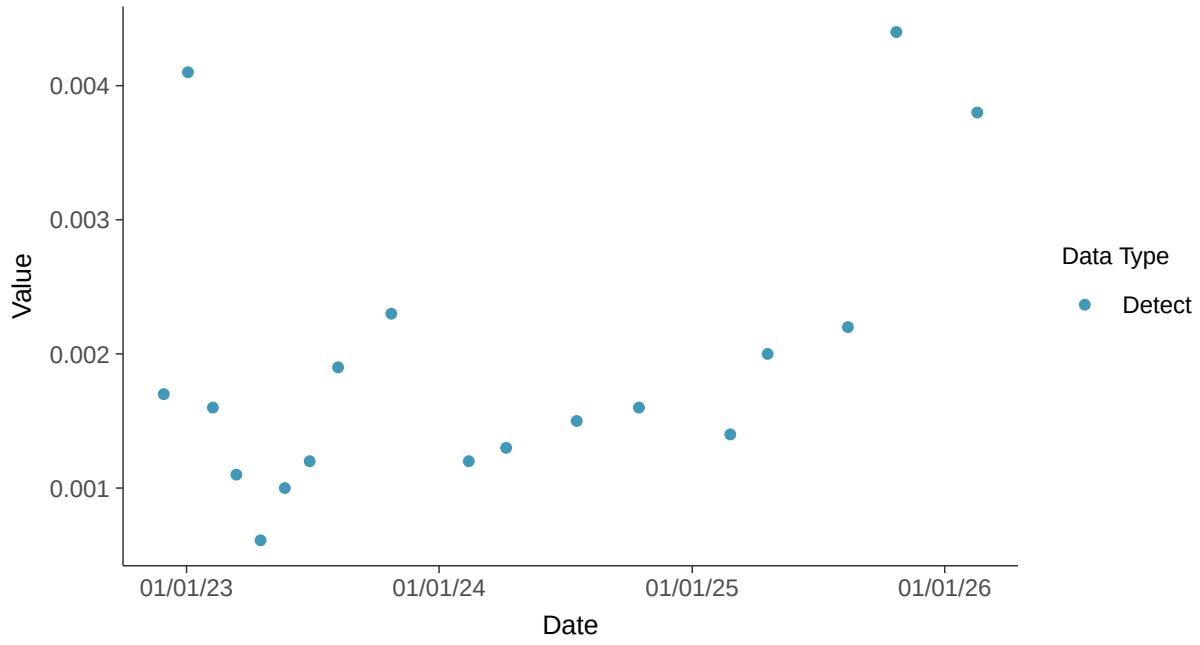


Appendix IV: Arsenic, MW-11

ID: 21_2_4_102

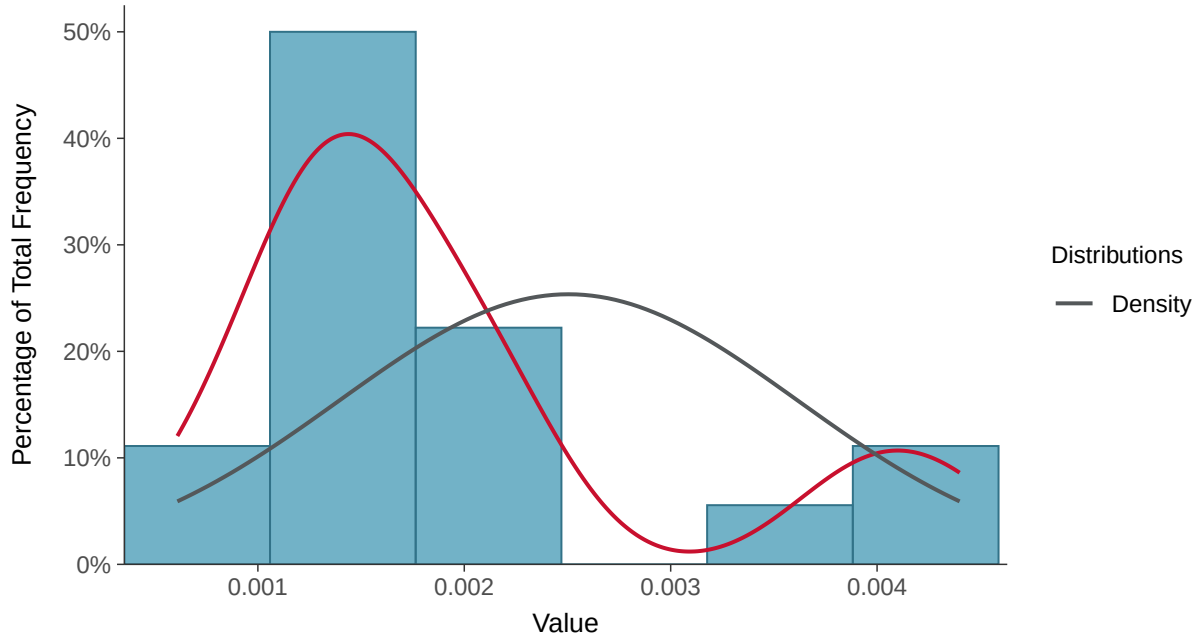
Scatter Plot

Arsenic, MW-11 (mg/L)



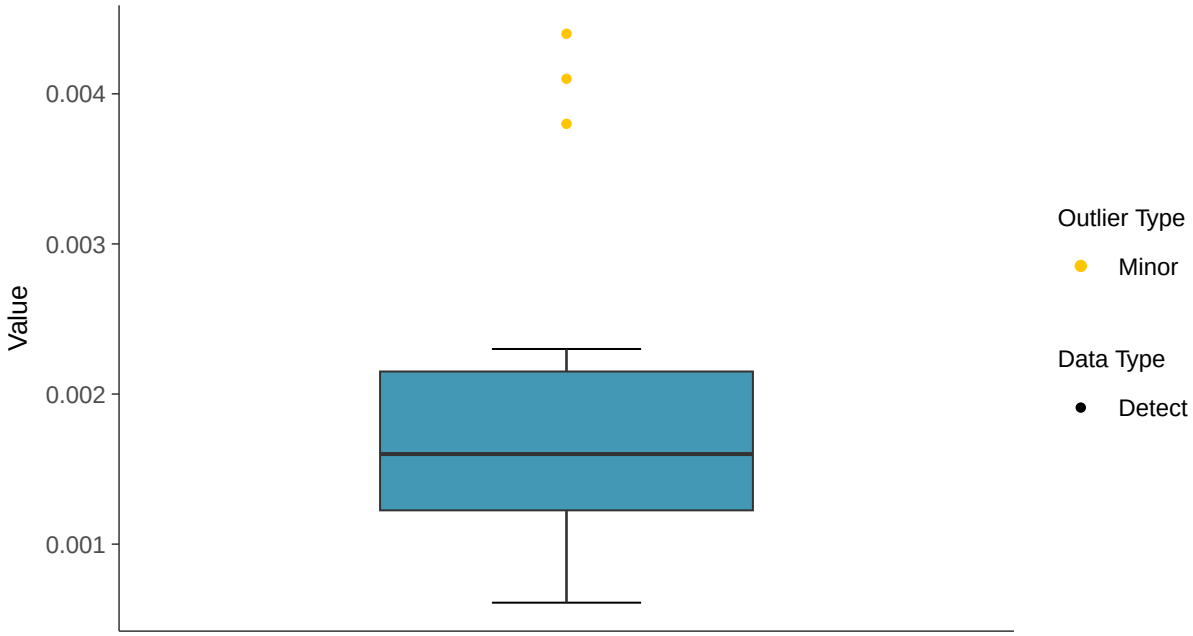
Histogram

Arsenic, MW-11 (mg/L)



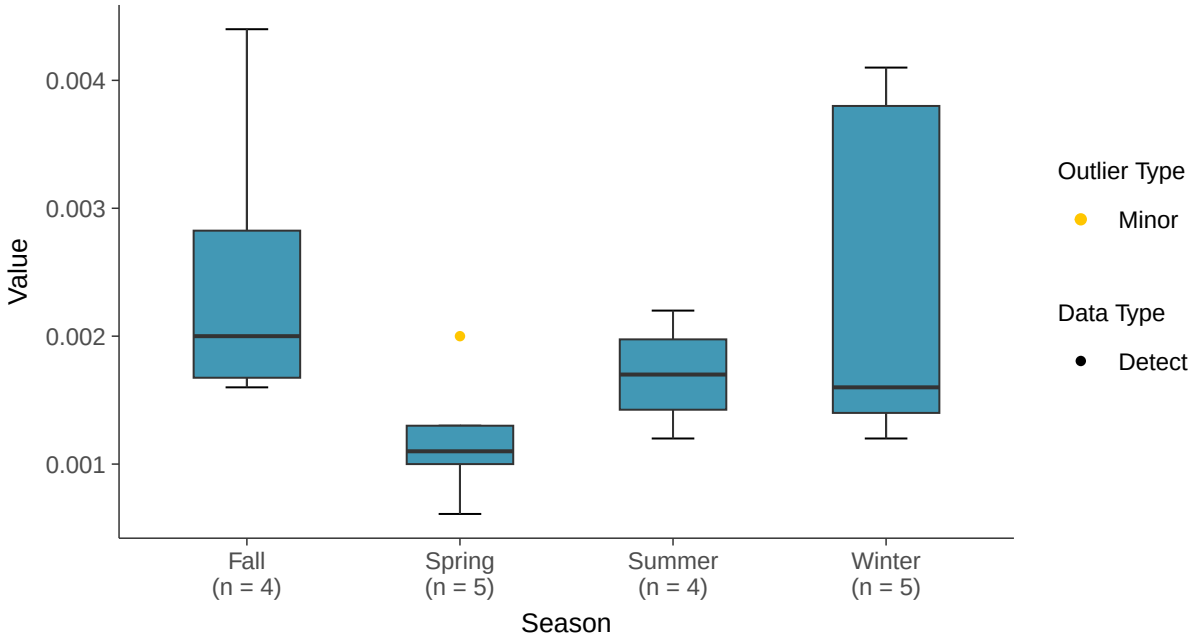
Boxplot

Arsenic, MW-11 (mg/L)



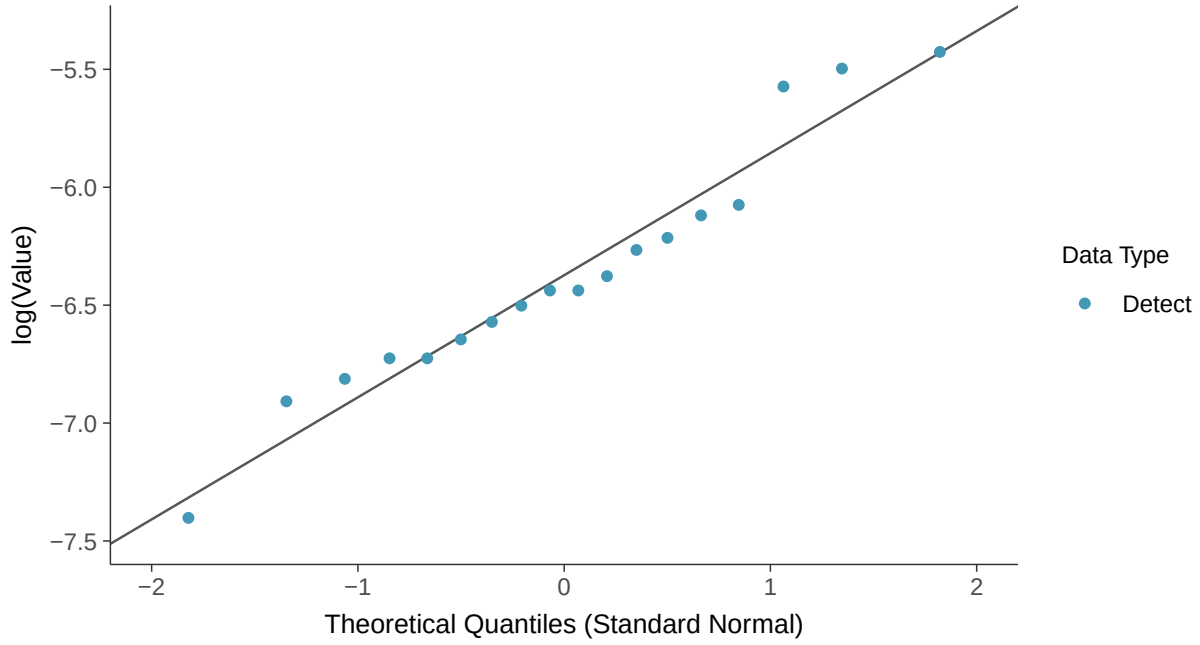
Boxplot by Season

Arsenic, MW-11 (mg/L)



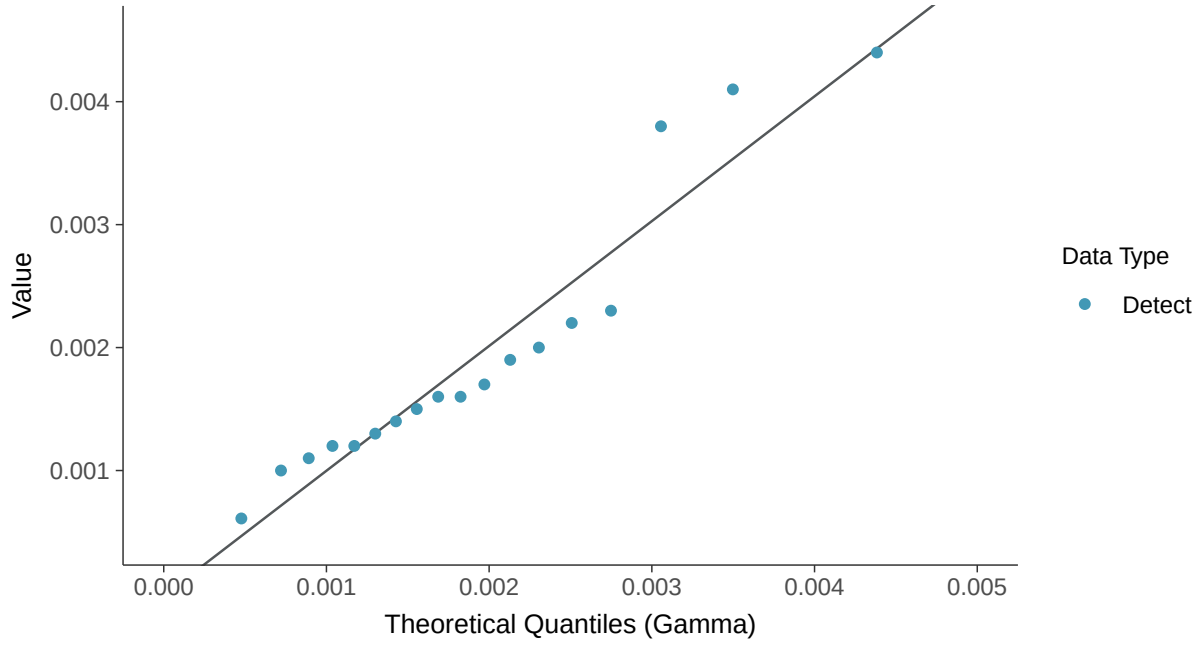
Lognormal Q-Q plot

Arsenic, MW-11 (mg/L)



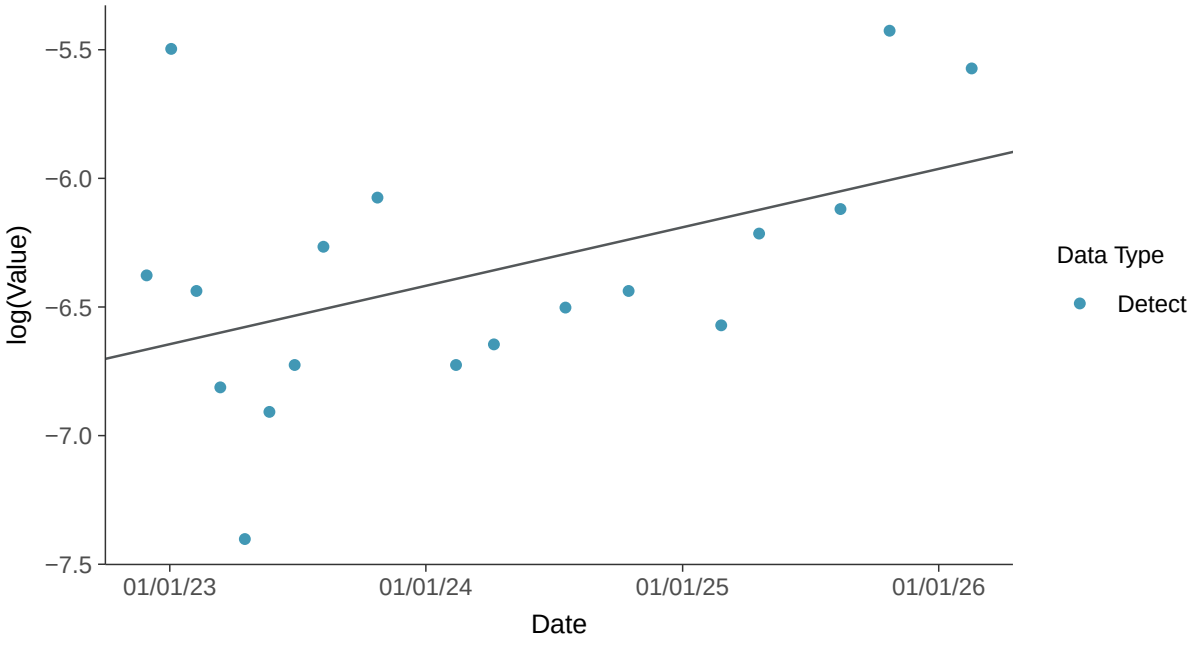
Gamma Q-Q plot

Arsenic, MW-11 (mg/L)



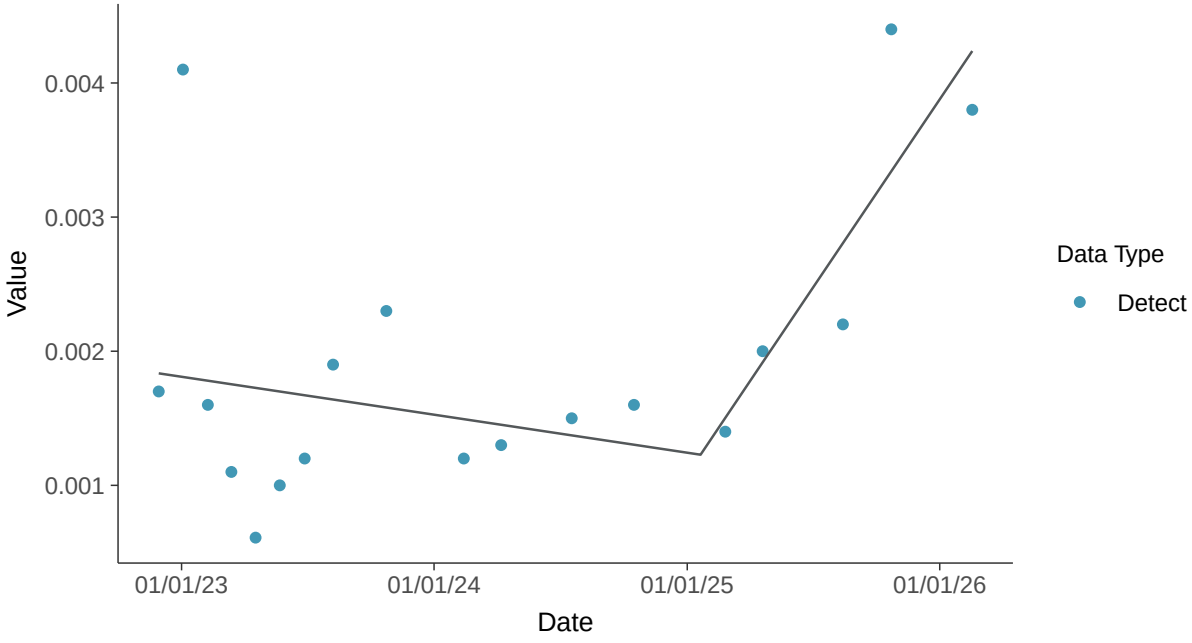
Trend Regression: Lognormal MLE

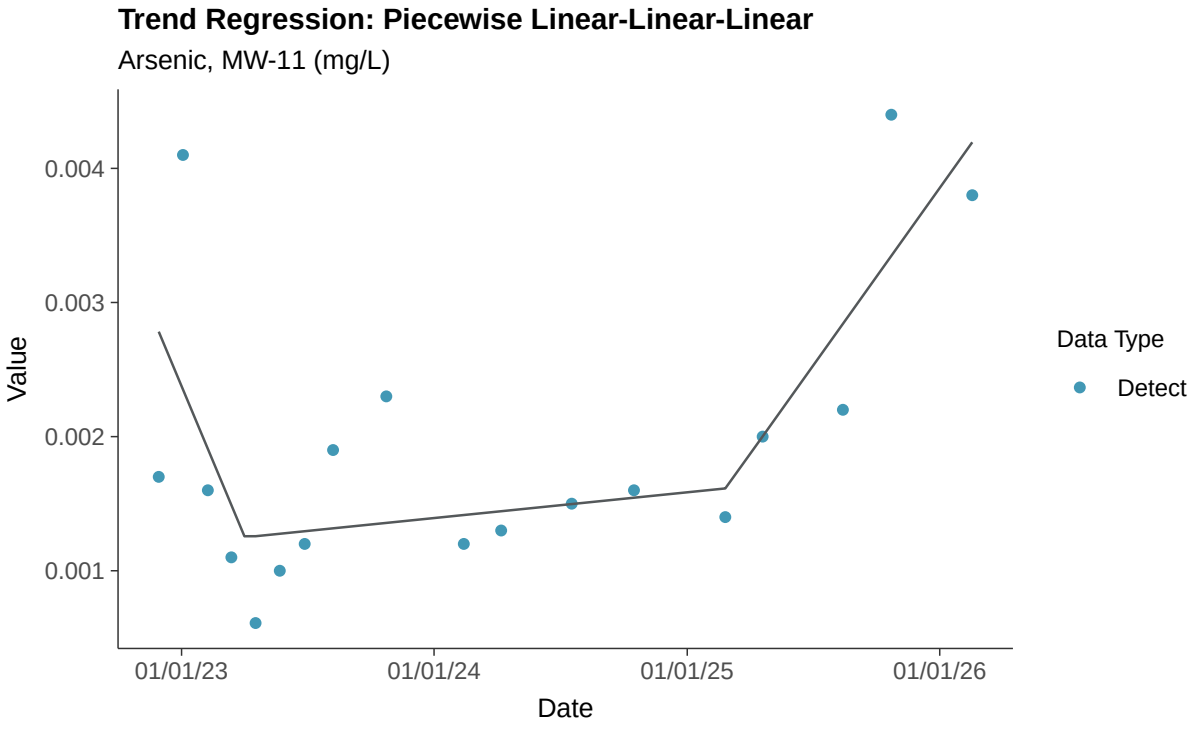
Arsenic, MW-11 (mg/L)



Trend Regression: Piecewise Linear-Linear

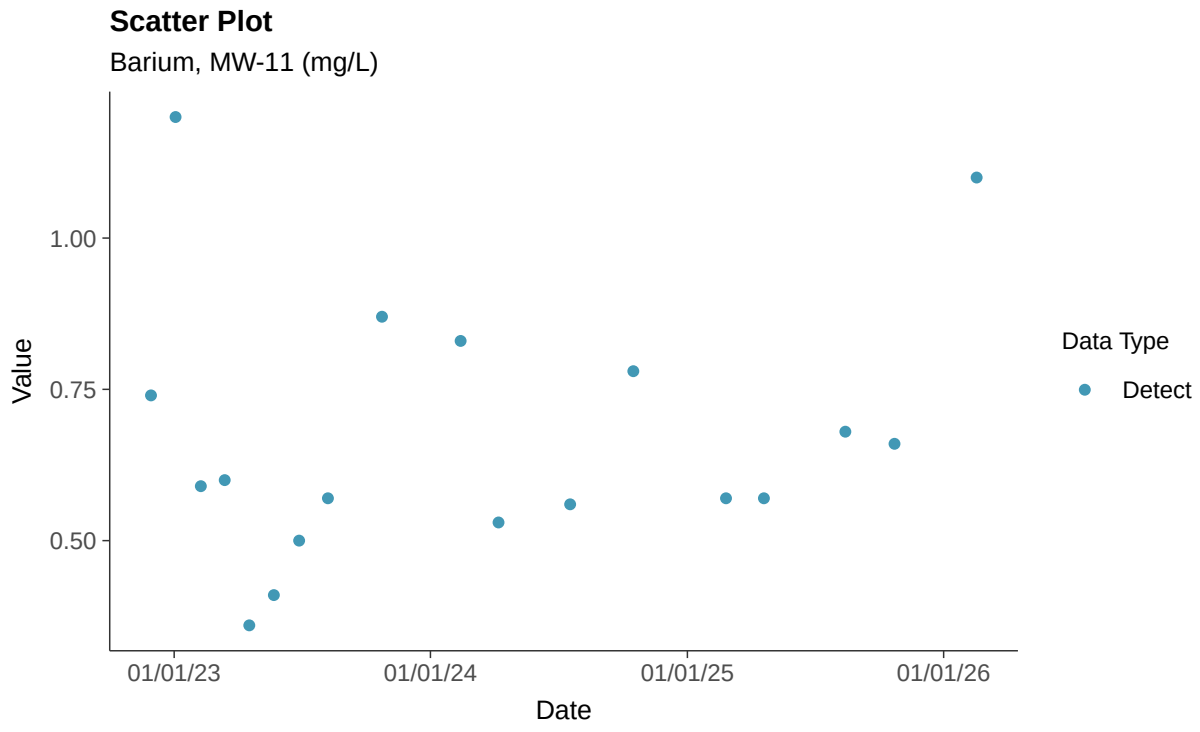
Arsenic, MW-11 (mg/L)

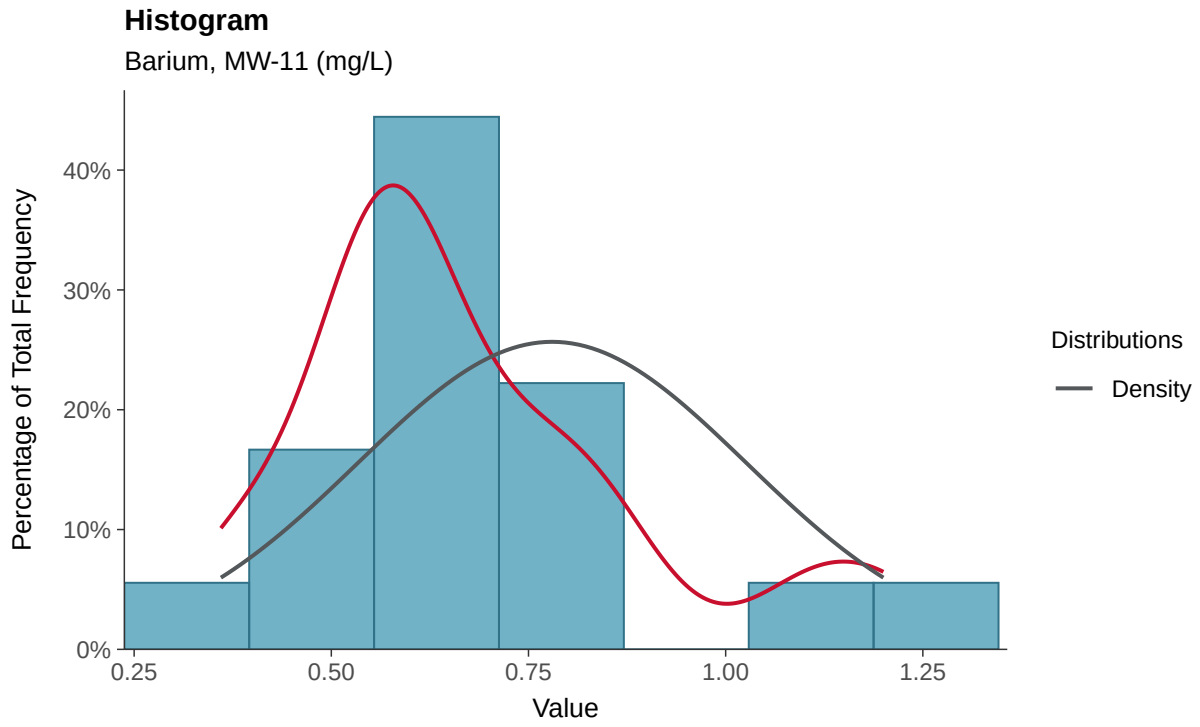



Trend Regression: Piecewise Linear-Linear-Linear
Arsenic, MW-11 (mg/L)
Value
0.004
0.003
0.002
0.001
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Barium, MW-11

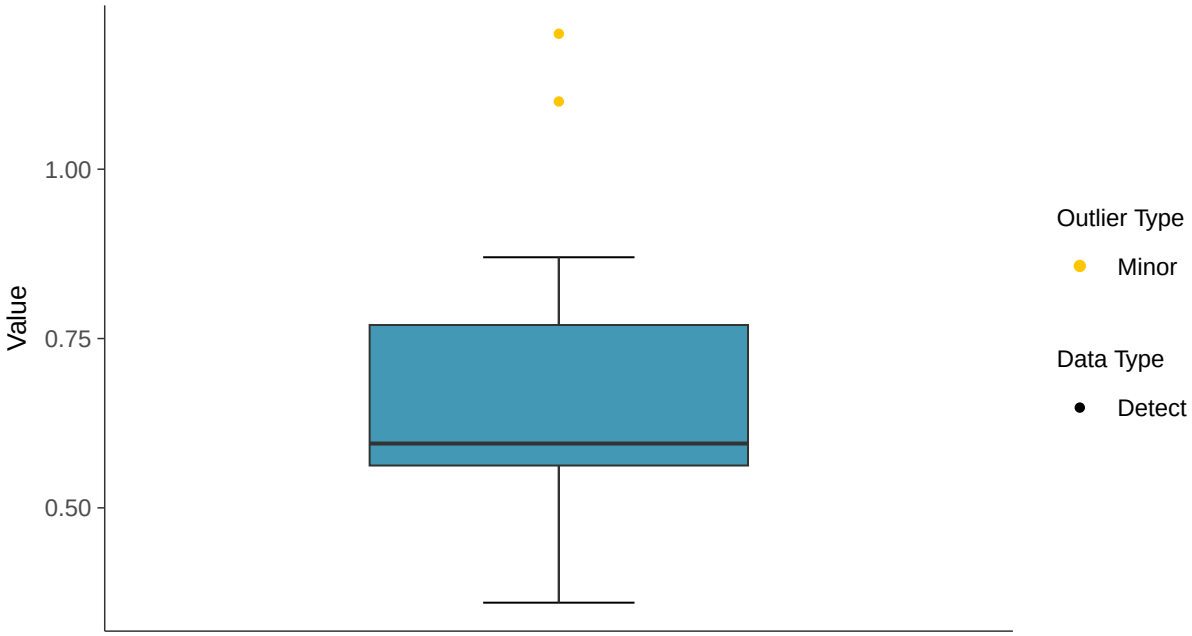
ID: 21_2_4_103





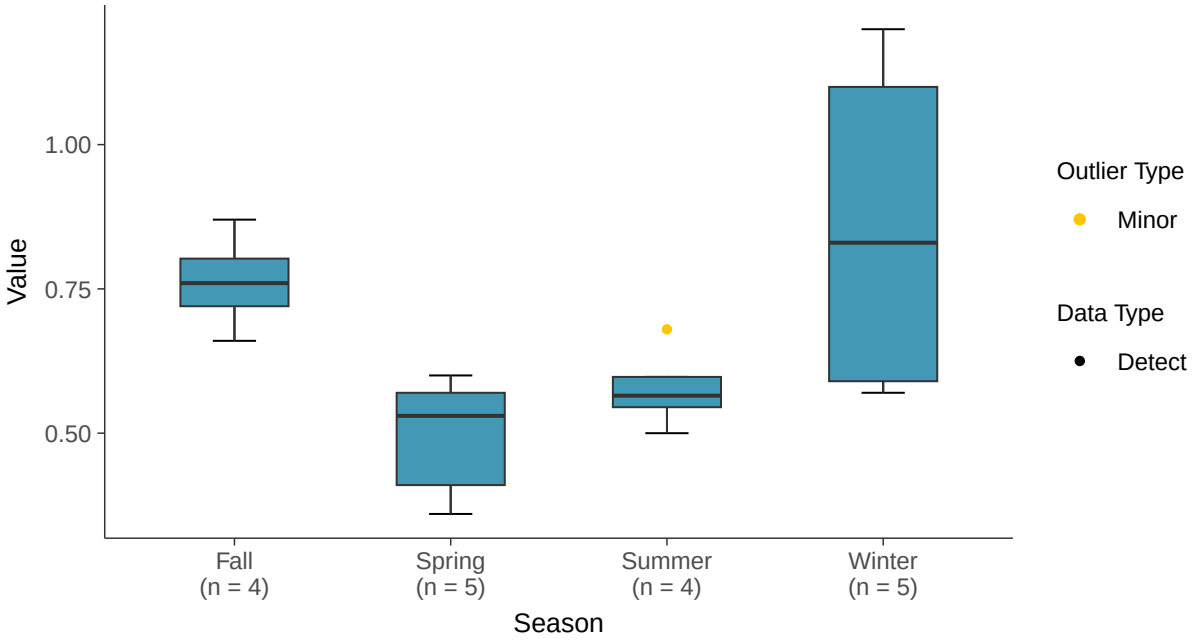
Boxplot

Barium, MW-11 (mg/L)



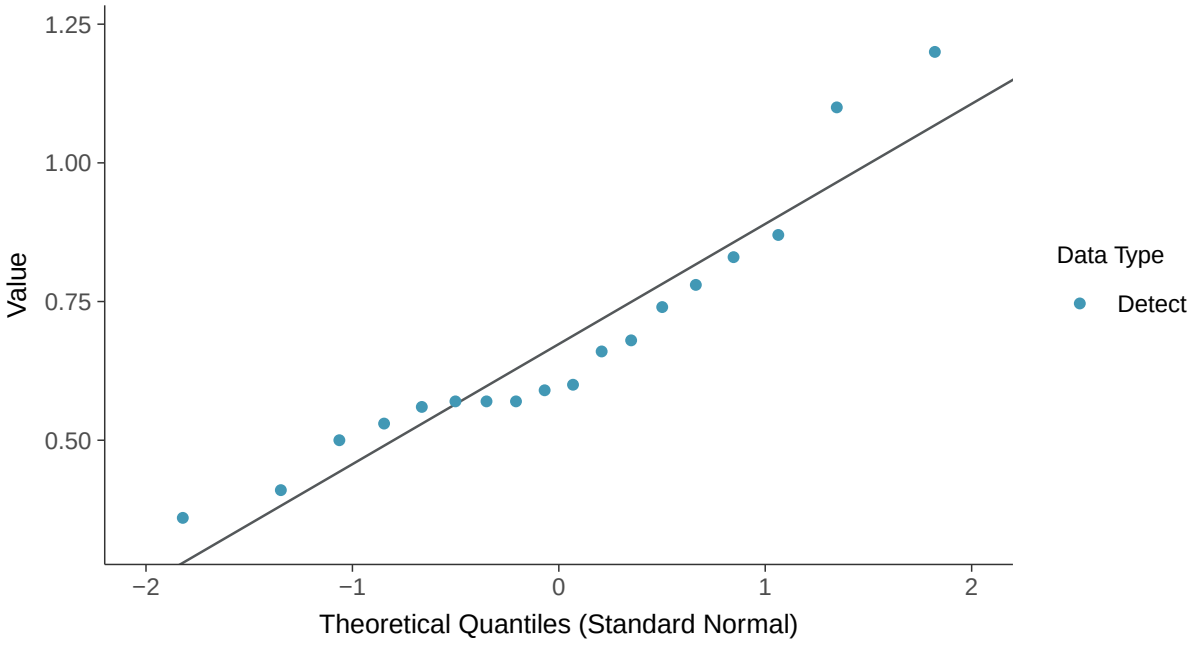
Boxplot by Season

Barium, MW-11 (mg/L)



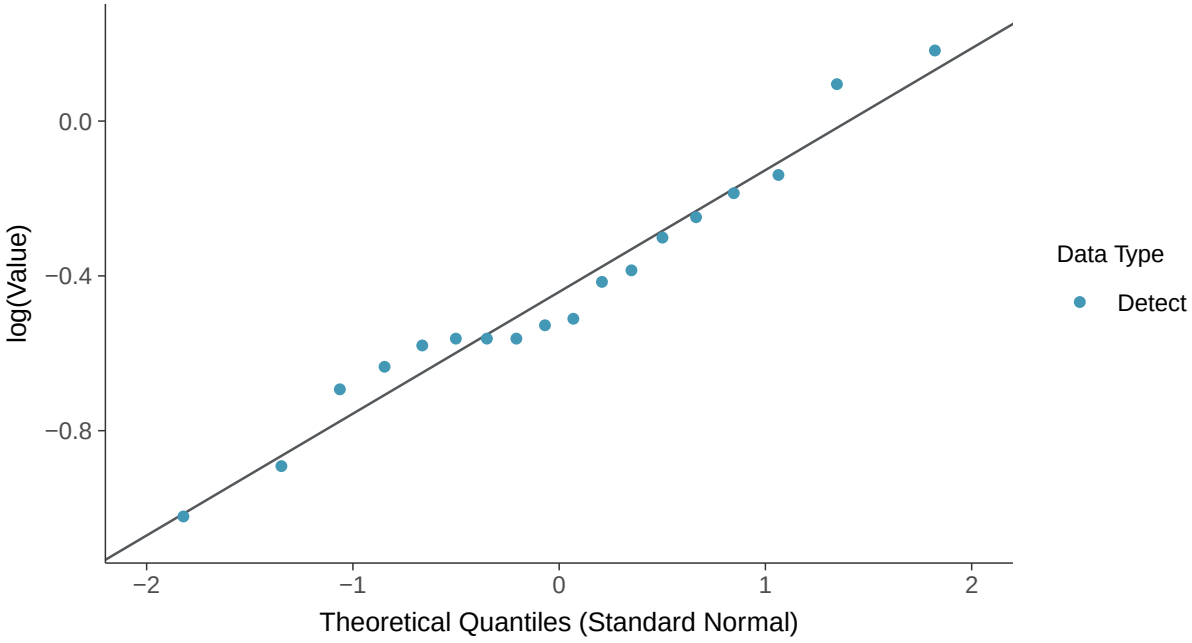
Normal Q-Q plot

Barium, MW-11 (mg/L)



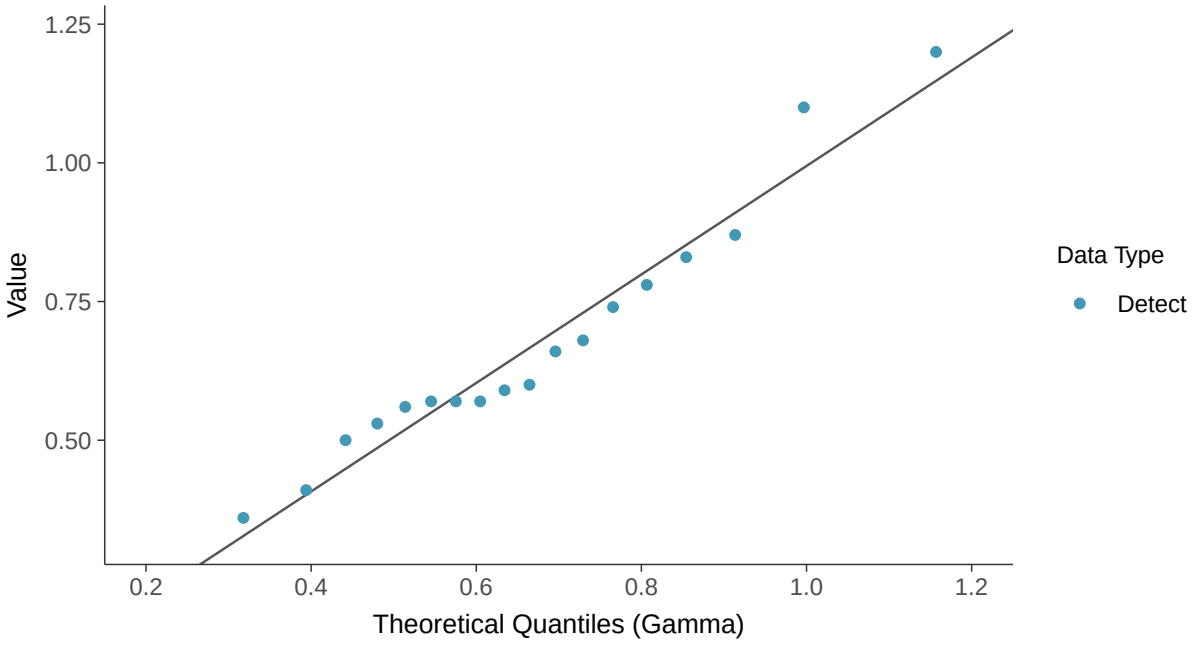
Lognormal Q-Q plot

Barium, MW-11 (mg/L)



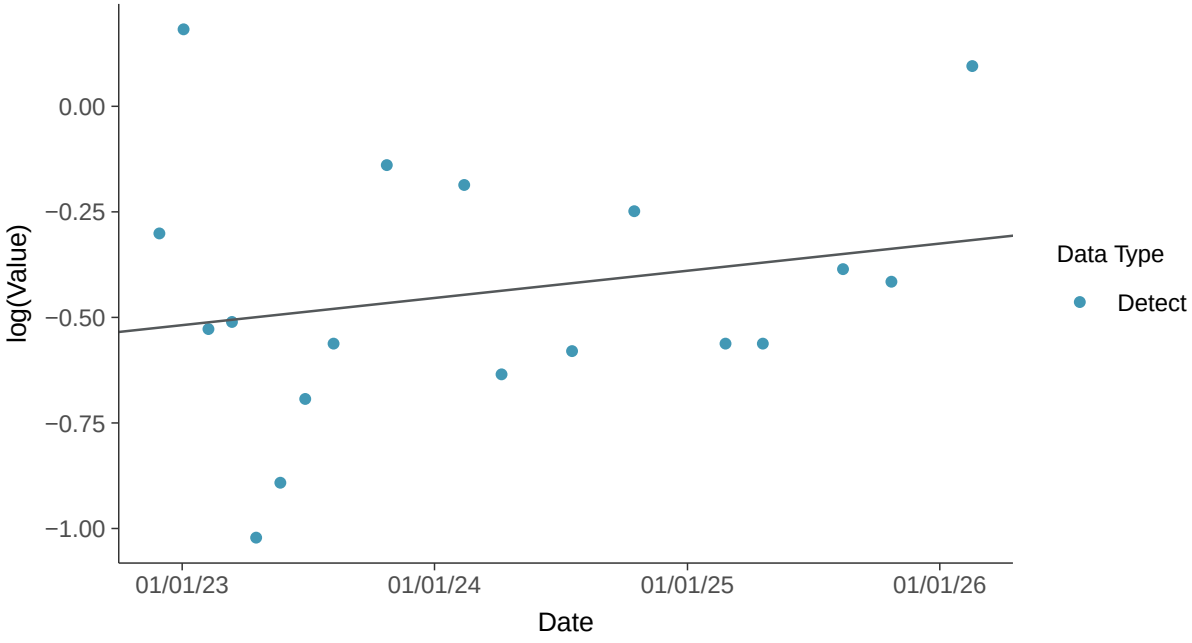
Gamma Q-Q plot

Barium, MW-11 (mg/L)



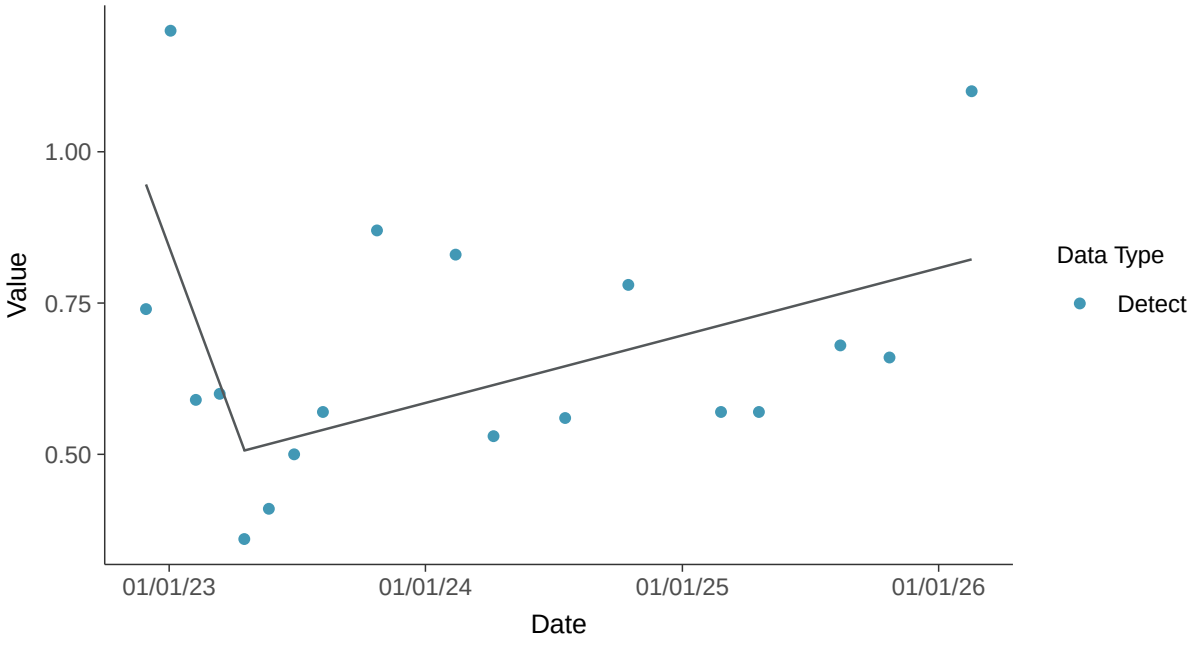
Trend Regression: Lognormal MLE

Barium, MW-11 (mg/L)



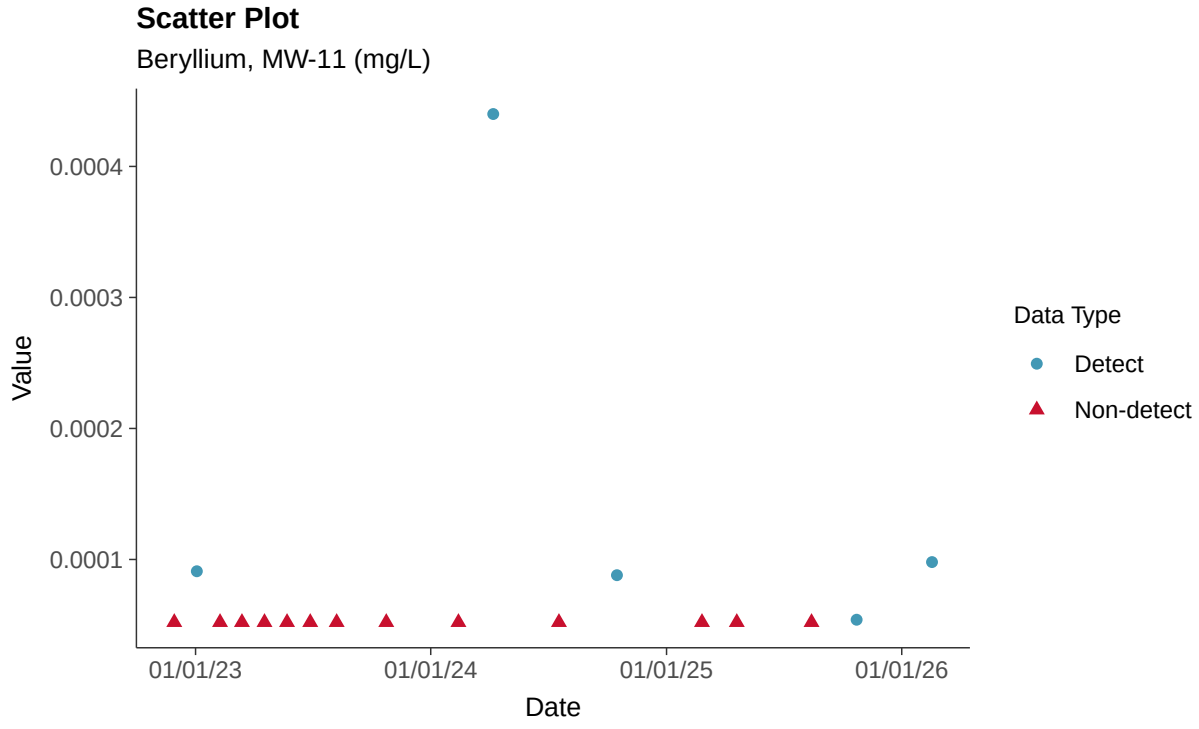
Trend Regression: Piecewise Linear-Linear

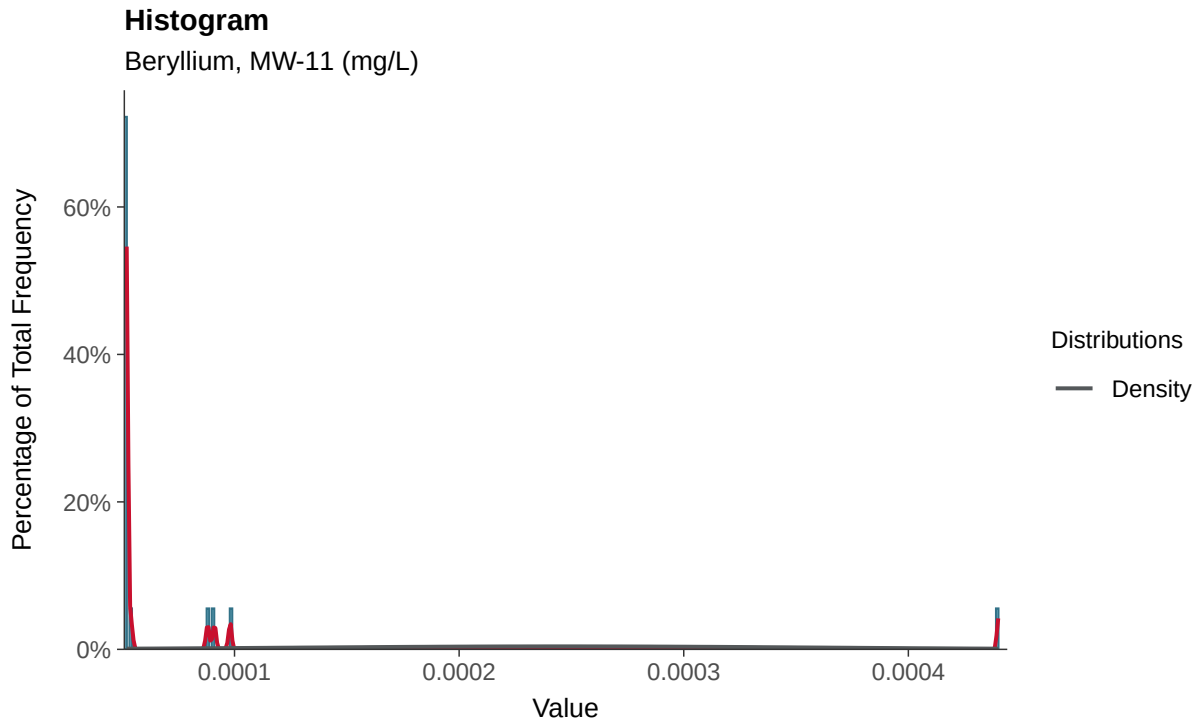
Barium, MW-11 (mg/L)



Appendix IV: Beryllium, MW-11

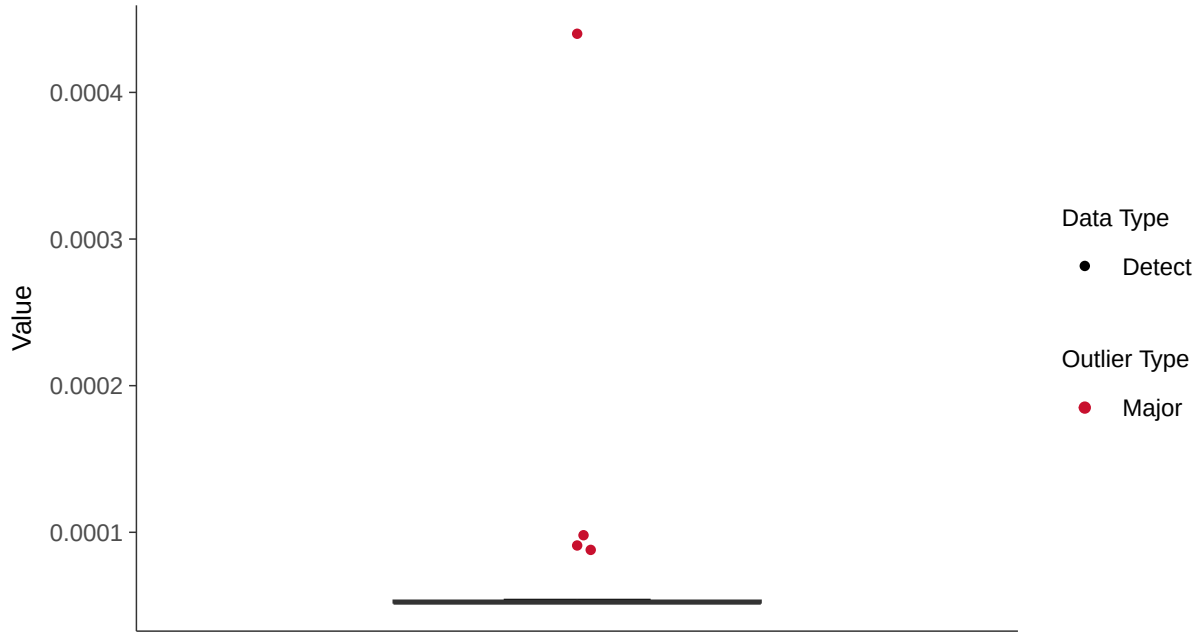
ID: 21_2_4_104





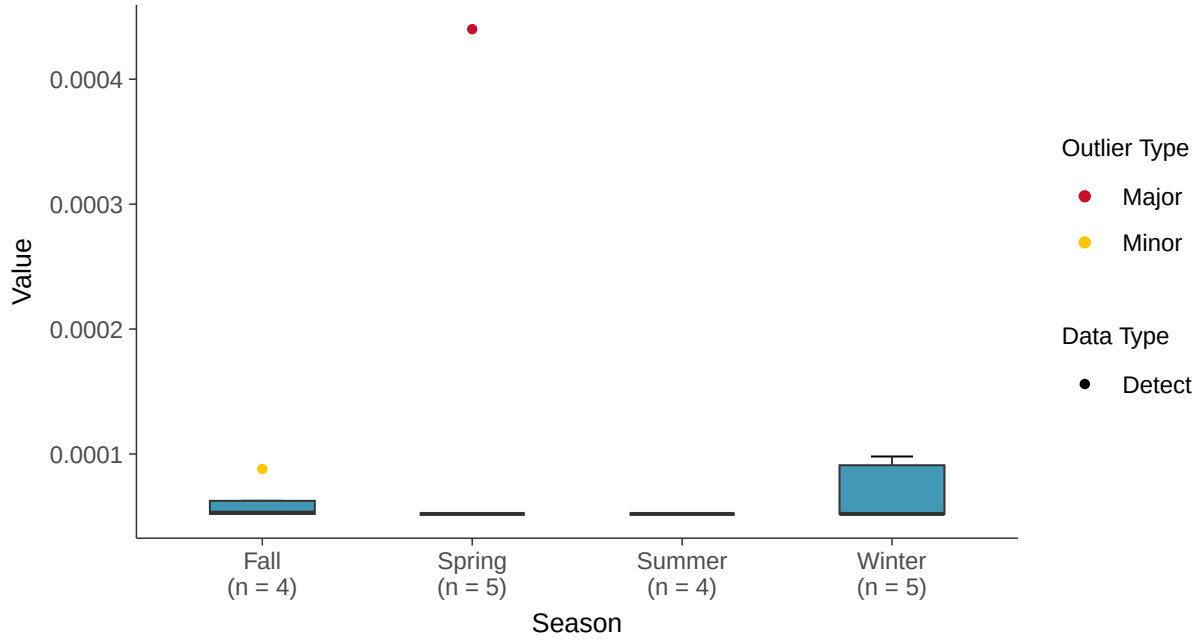
Boxplot

Beryllium, MW-11 (mg/L)



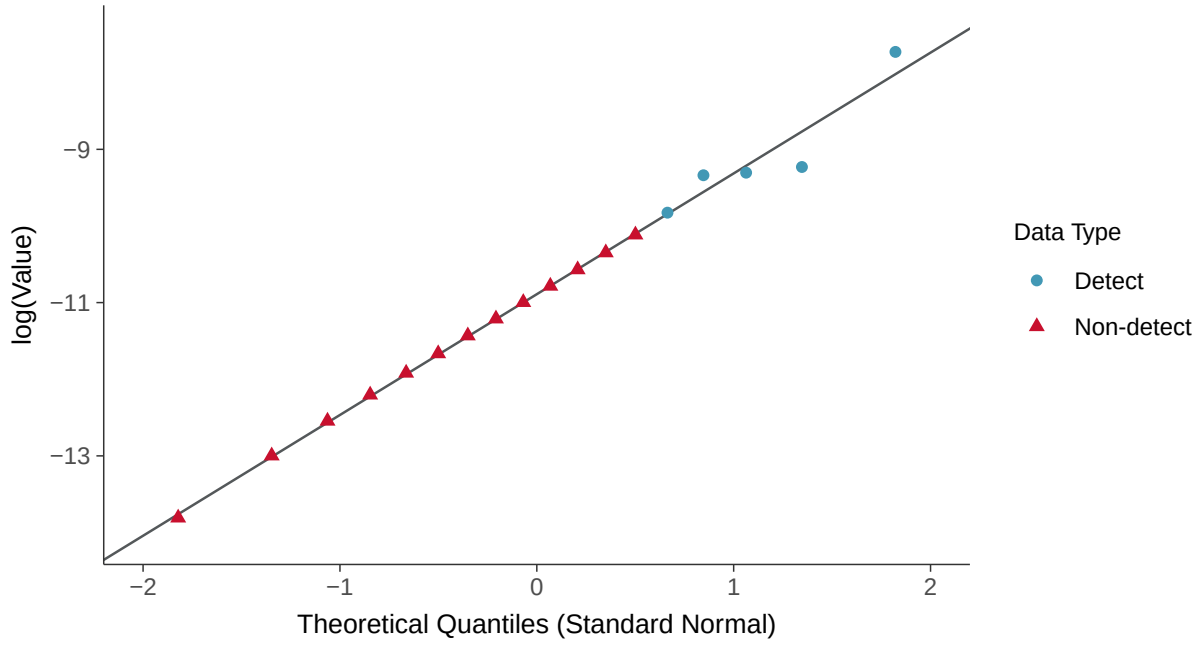
Boxplot by Season

Beryllium, MW-11 (mg/L)



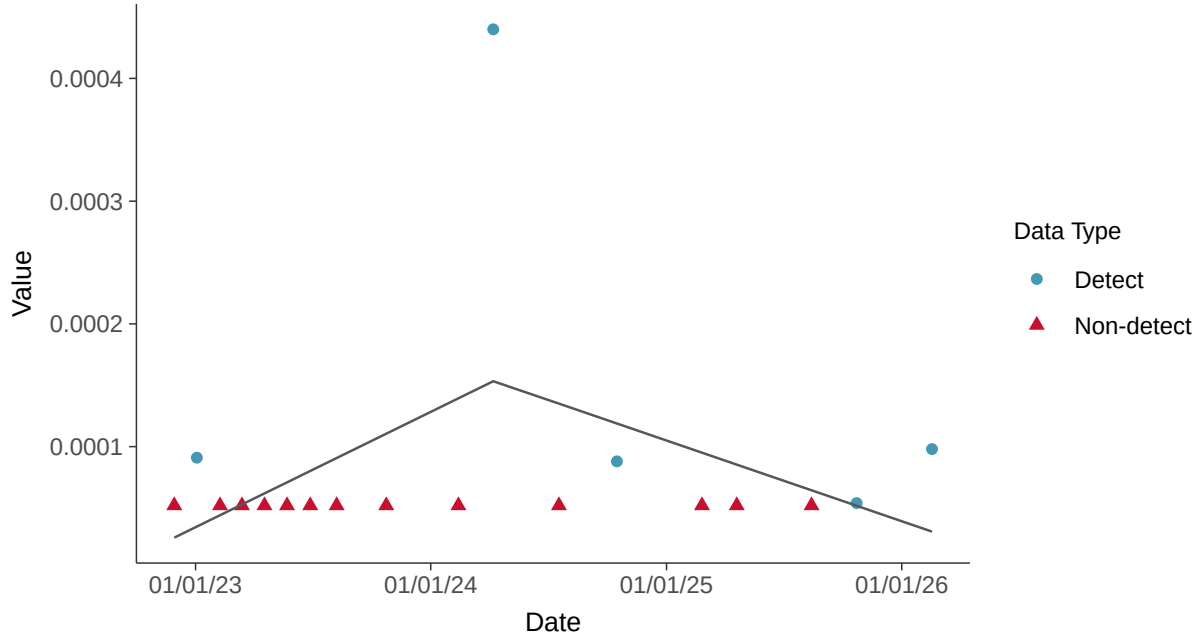
Lognormal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-11 (mg/L)



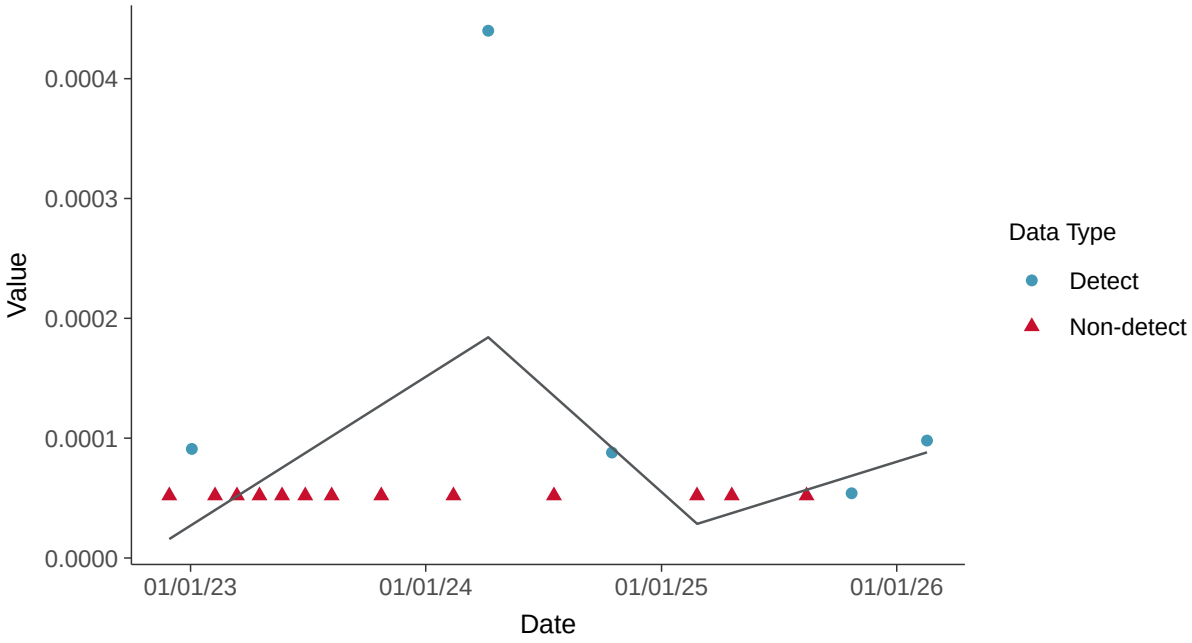
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-11 (mg/L)



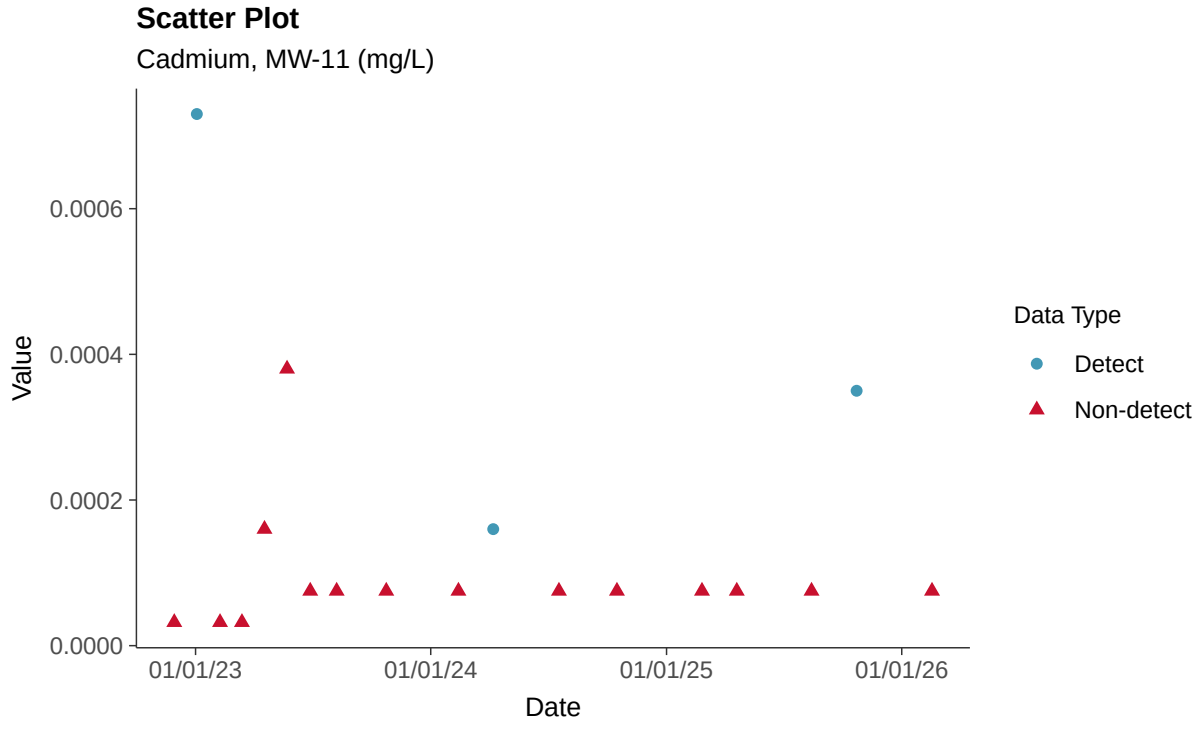
Trend Regression: Piecewise Linear-Linear-Linear

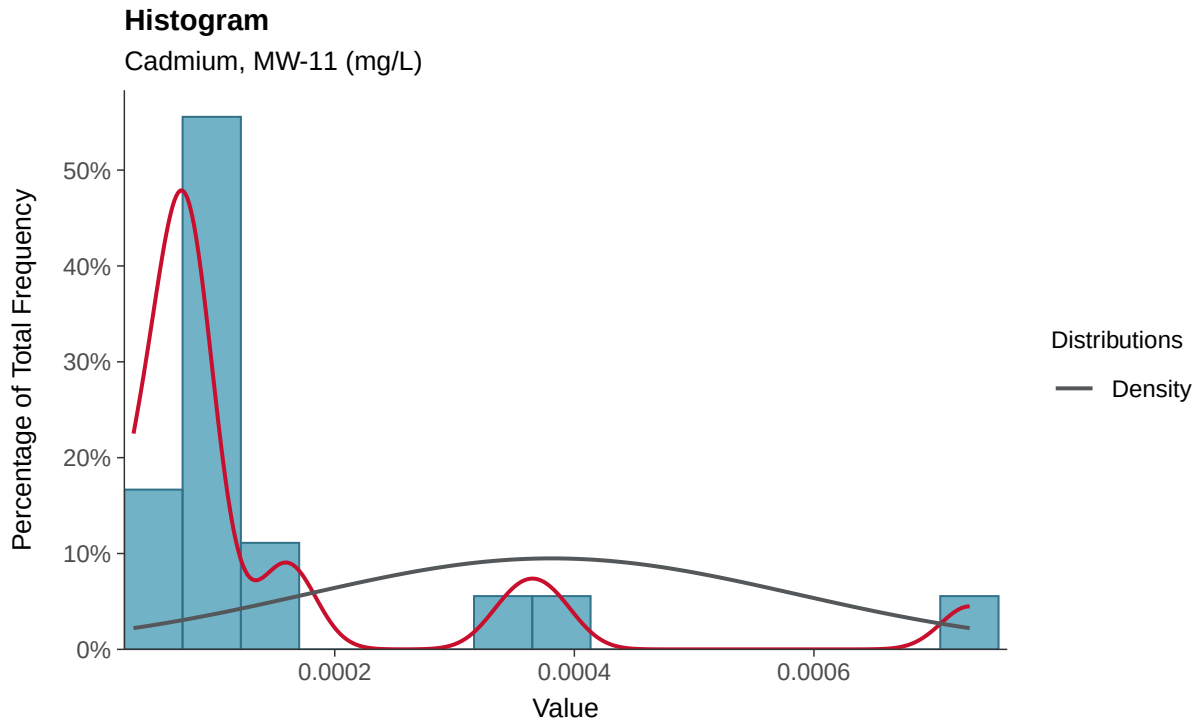
Beryllium, MW-11 (mg/L)



Appendix IV: Cadmium, MW-11

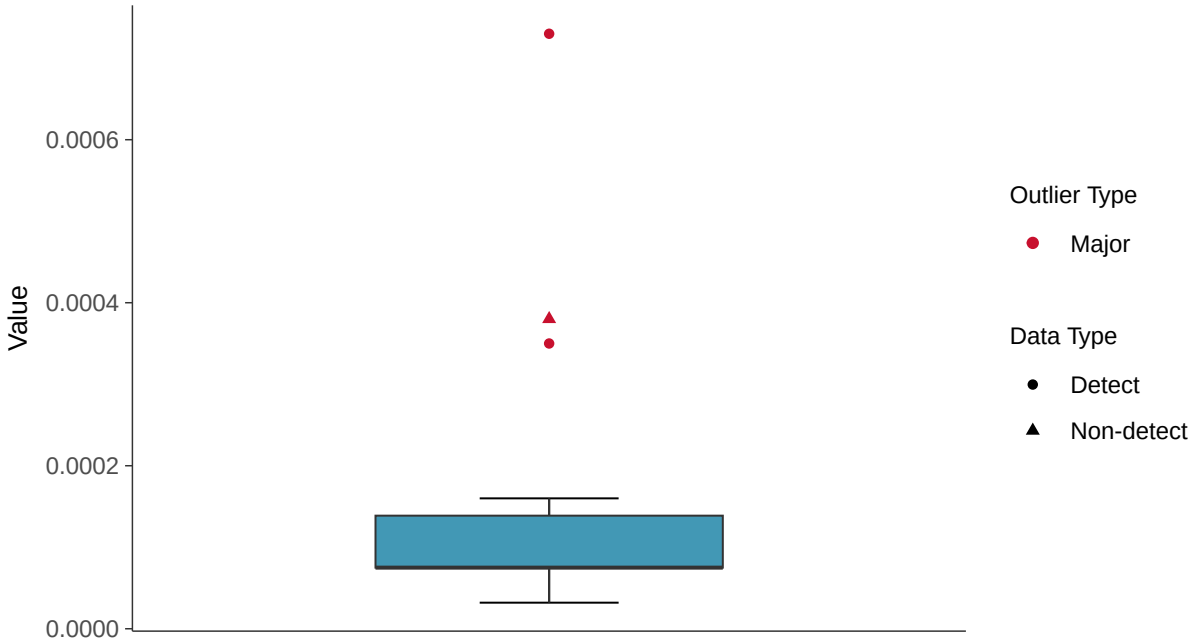
ID: 21_2_4_106





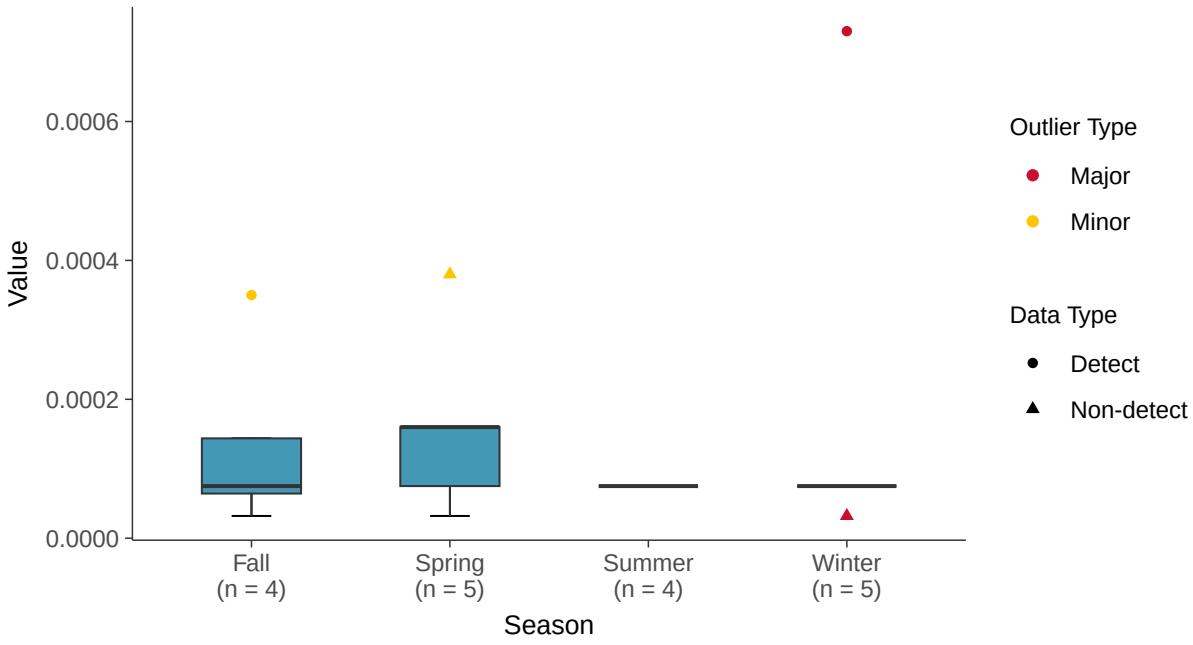
Boxplot

Cadmium, MW-11 (mg/L)



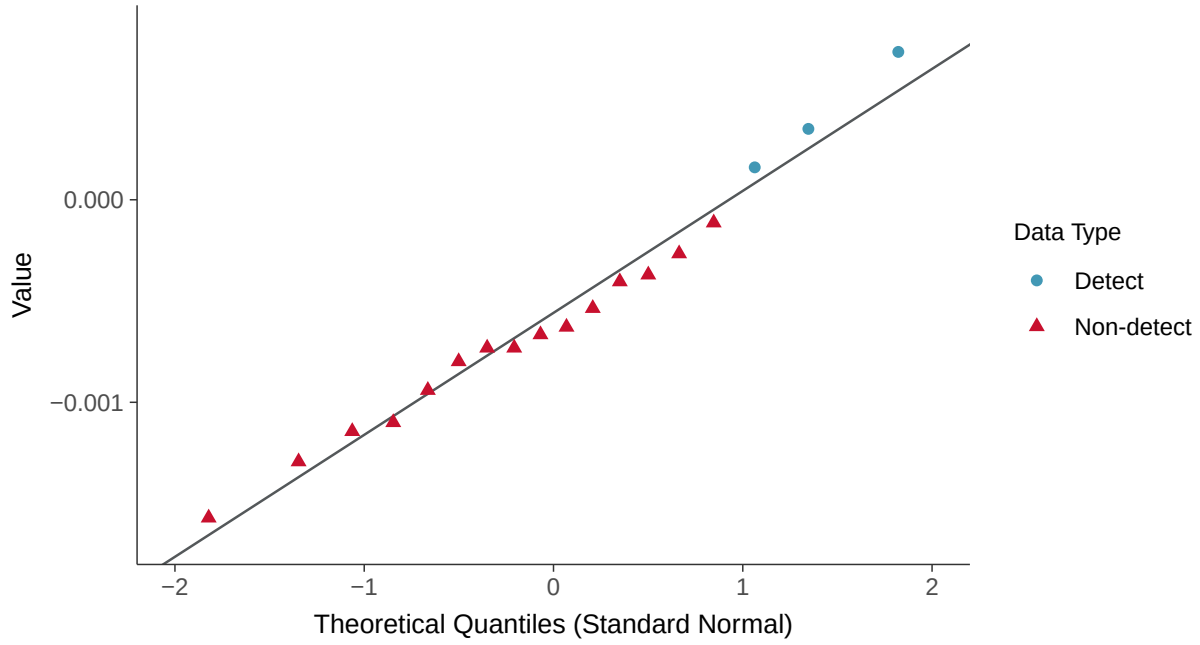
Boxplot by Season

Cadmium, MW-11 (mg/L)



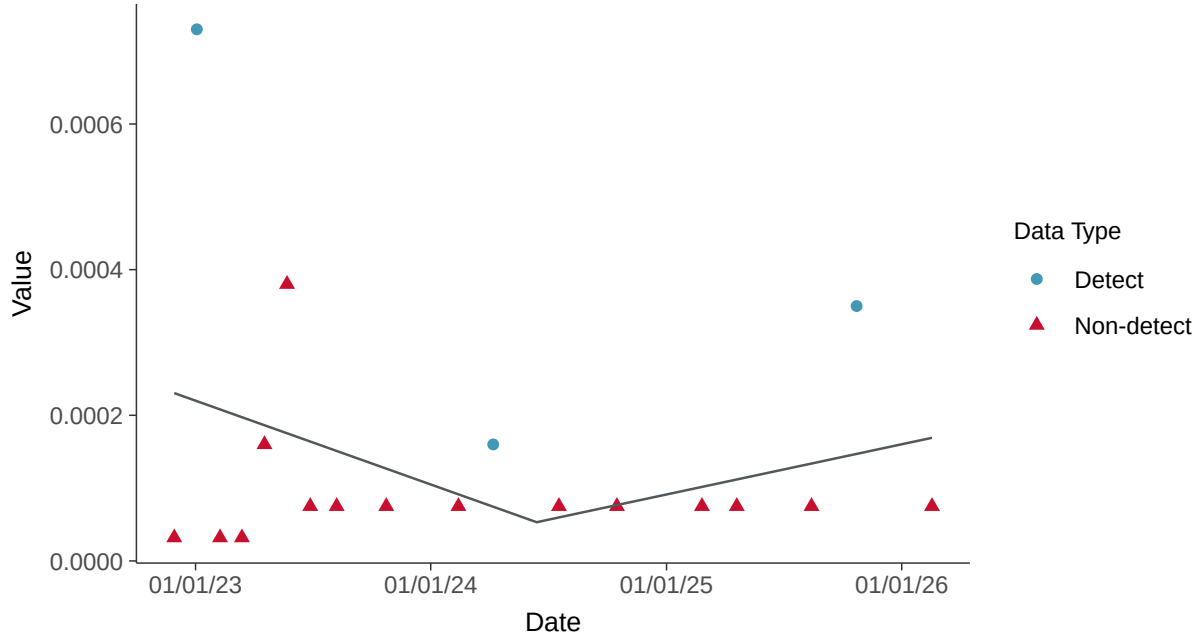
Normal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-11 (mg/L)



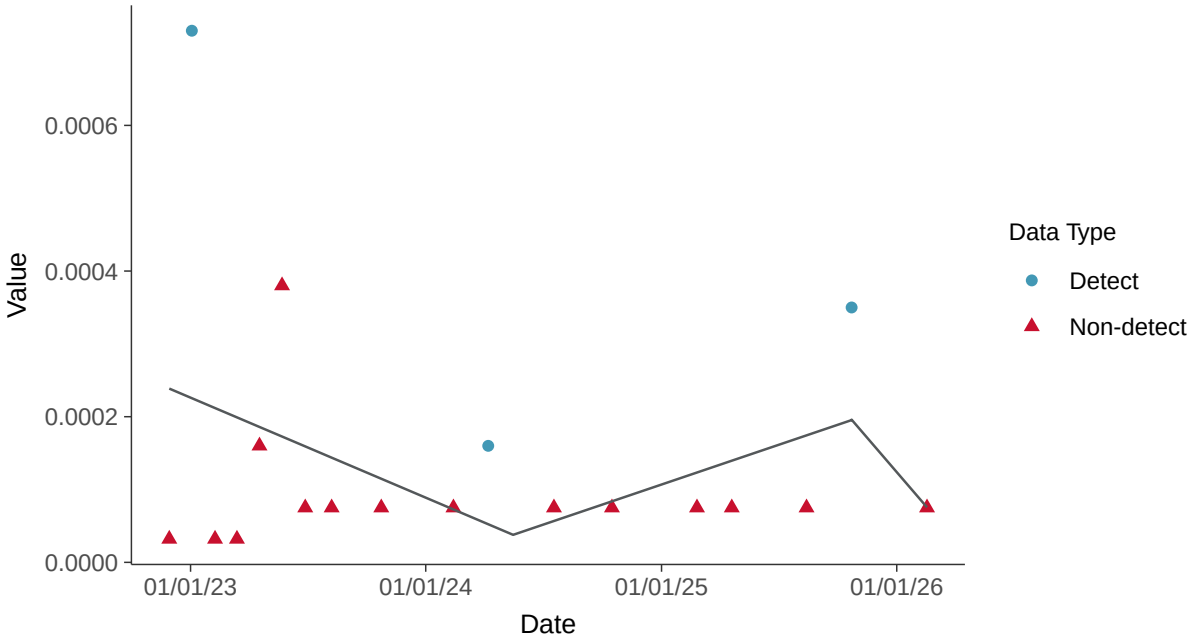
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-11 (mg/L)



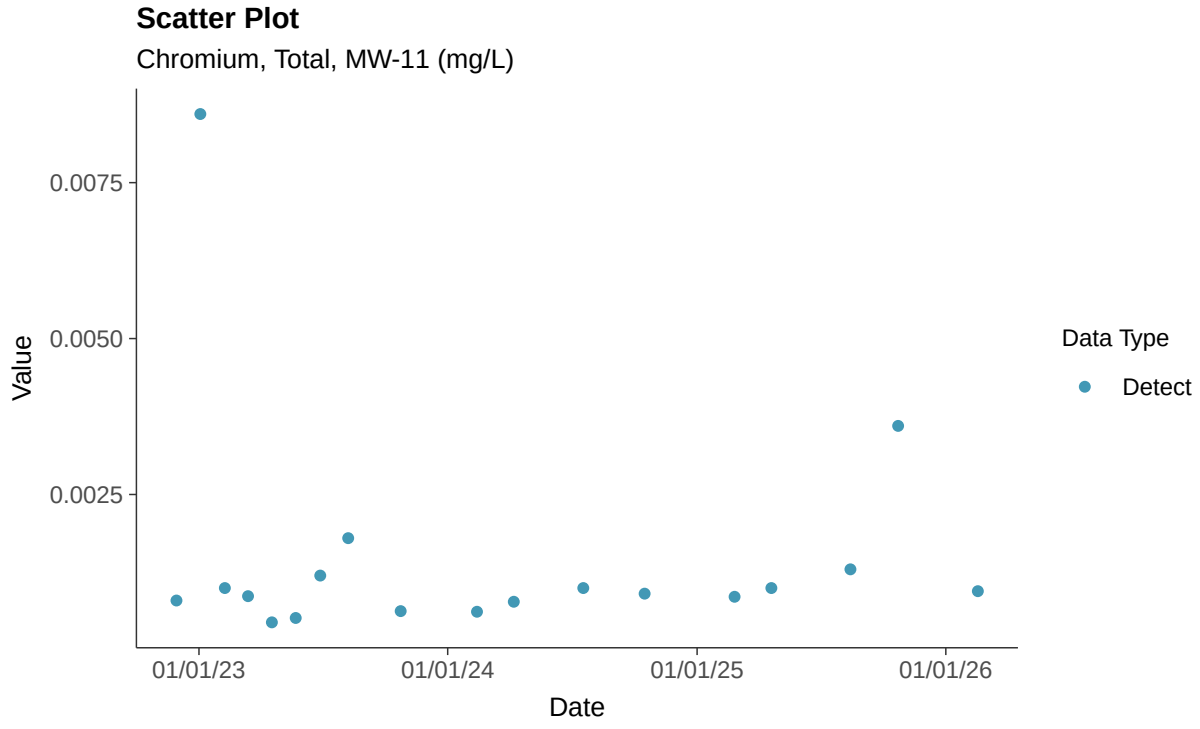
Trend Regression: Piecewise Linear-Linear-Linear

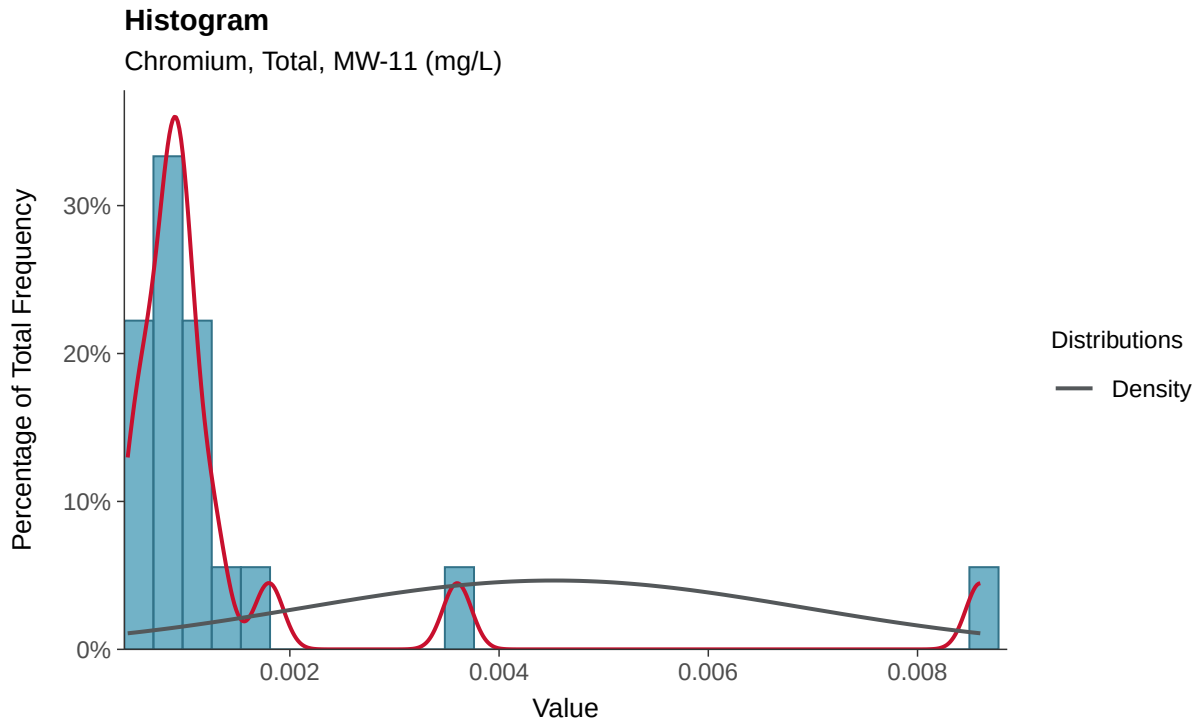
Cadmium, MW-11 (mg/L)



Appendix IV: Chromium, Total, MW-11

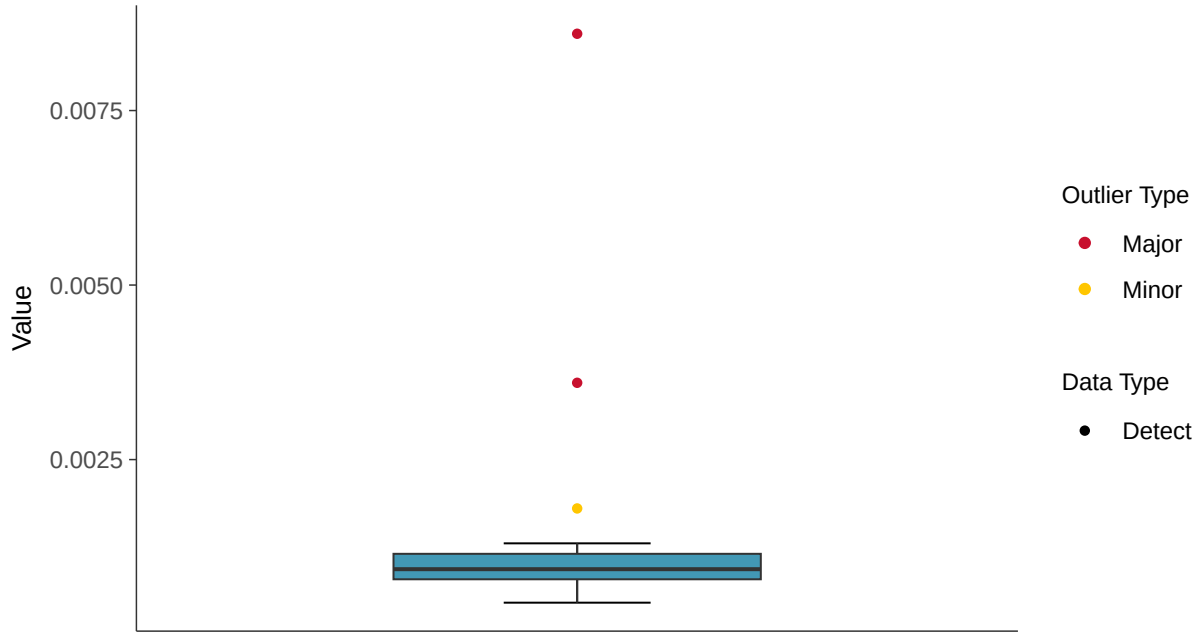
ID: 21_2_4_109





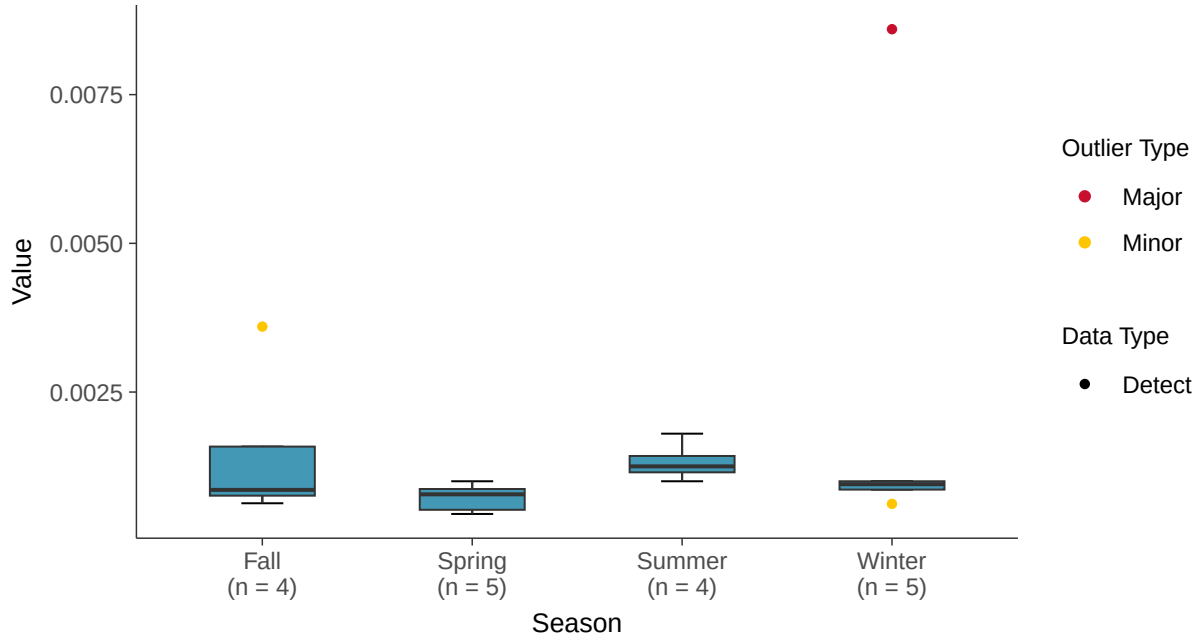
Boxplot

Chromium, Total, MW-11 (mg/L)



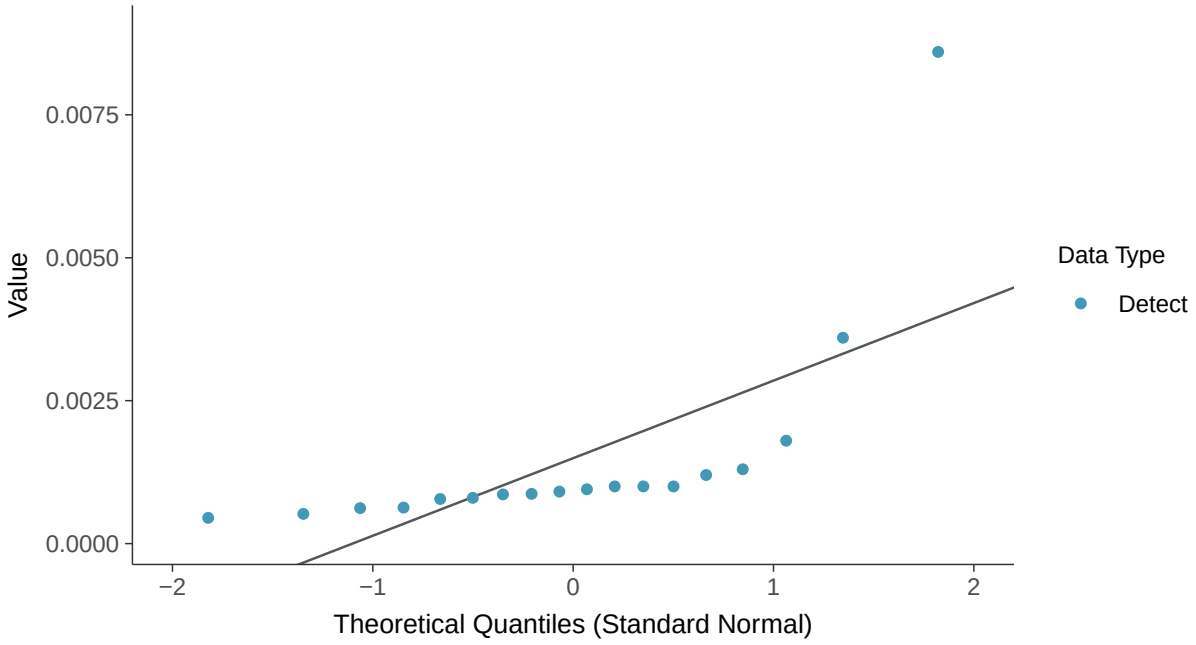
Boxplot by Season

Chromium, Total, MW-11 (mg/L)



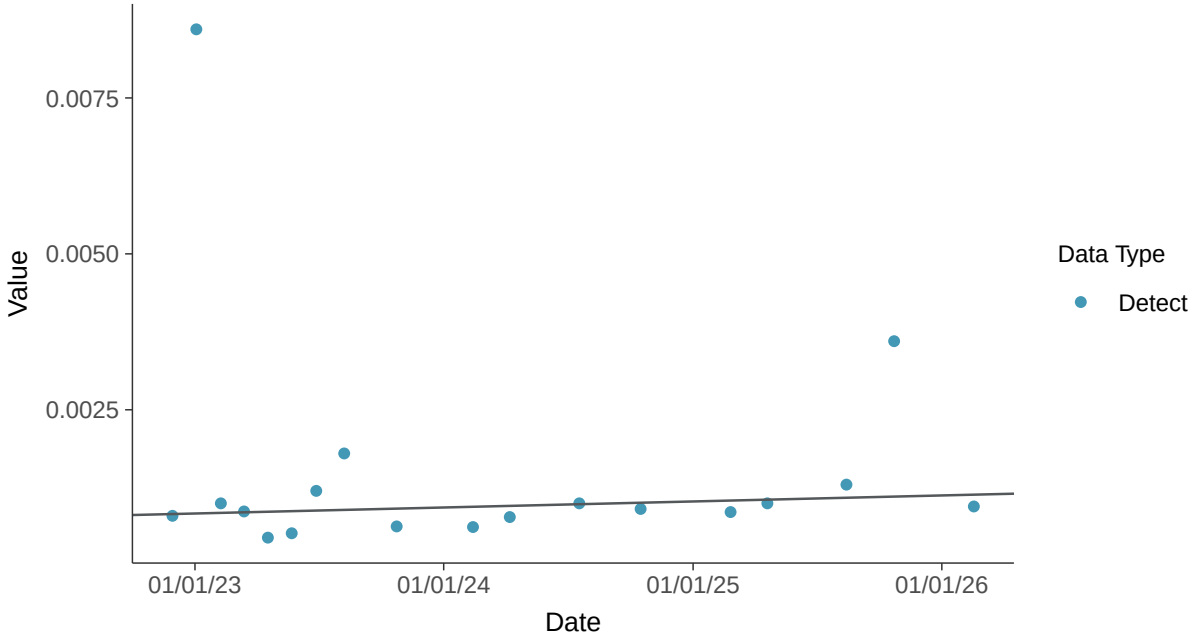
Normal Q-Q plot

Chromium, Total, MW-11 (mg/L)



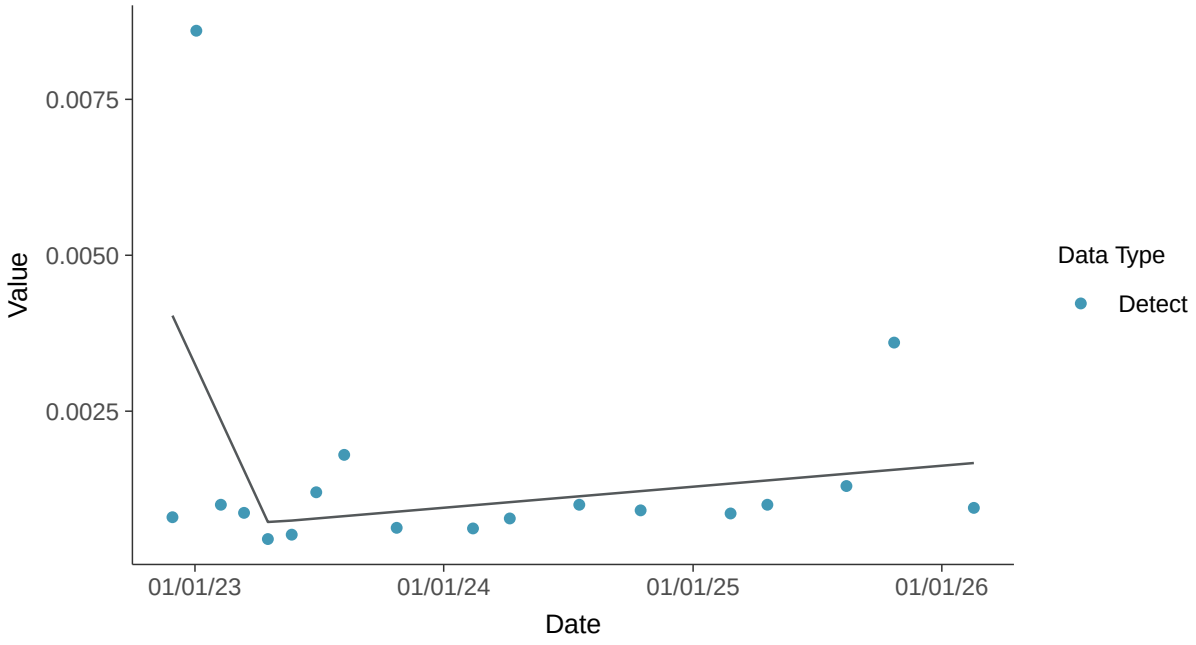
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Chromium, Total, MW-11 (mg/L)



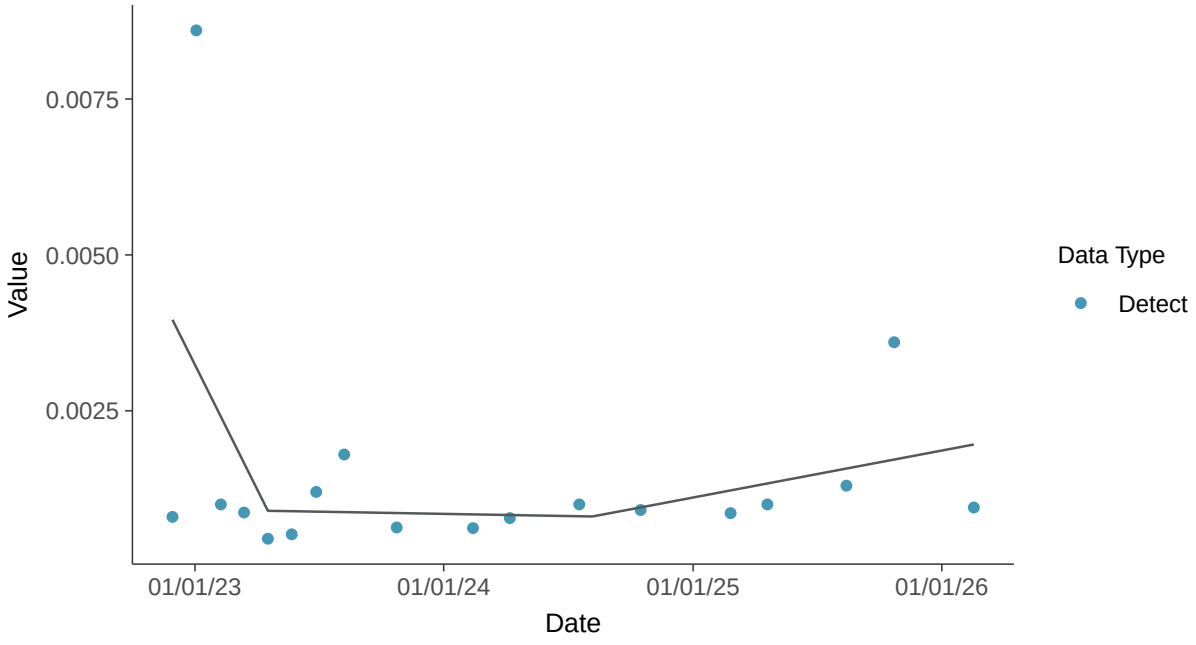
Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-11 (mg/L)



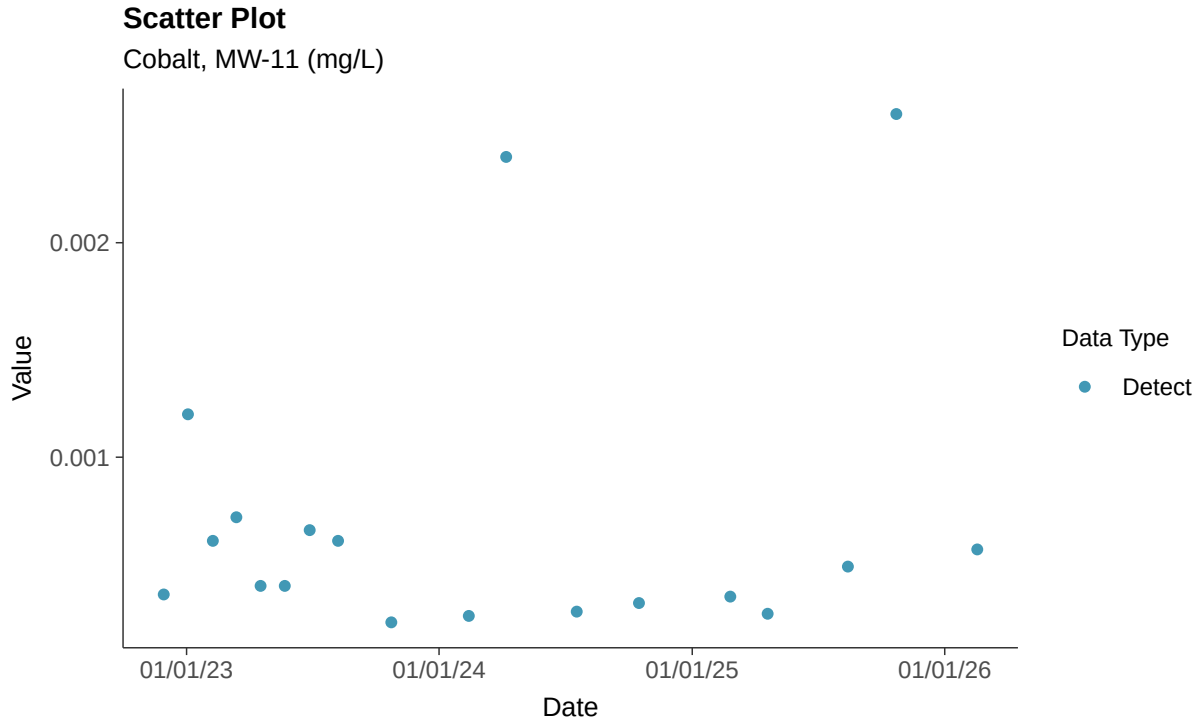
Trend Regression: Piecewise Linear-Linear-Linear

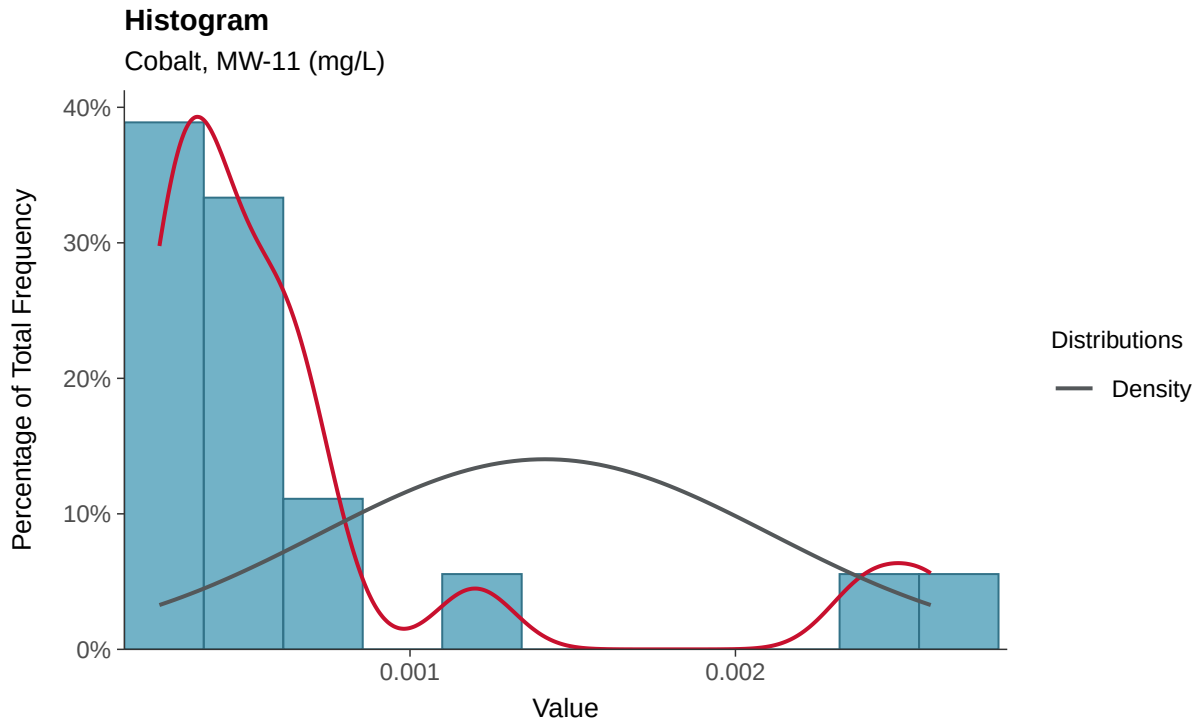
Chromium, Total, MW-11 (mg/L)



Appendix IV: Cobalt, MW-11

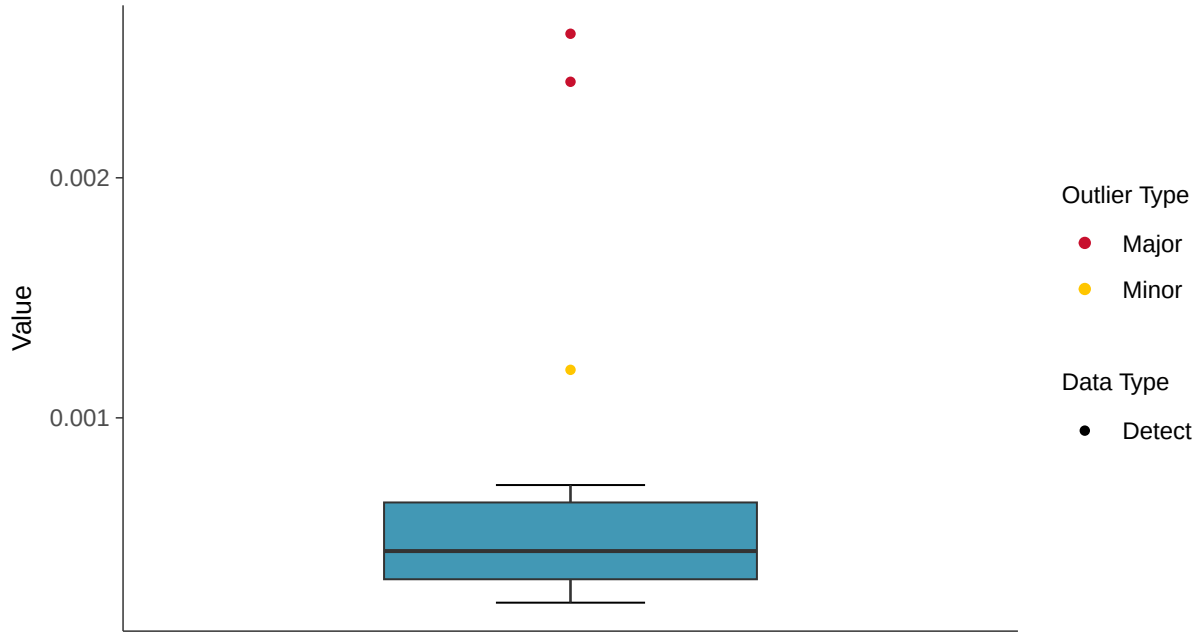
ID: 21_2_4_110





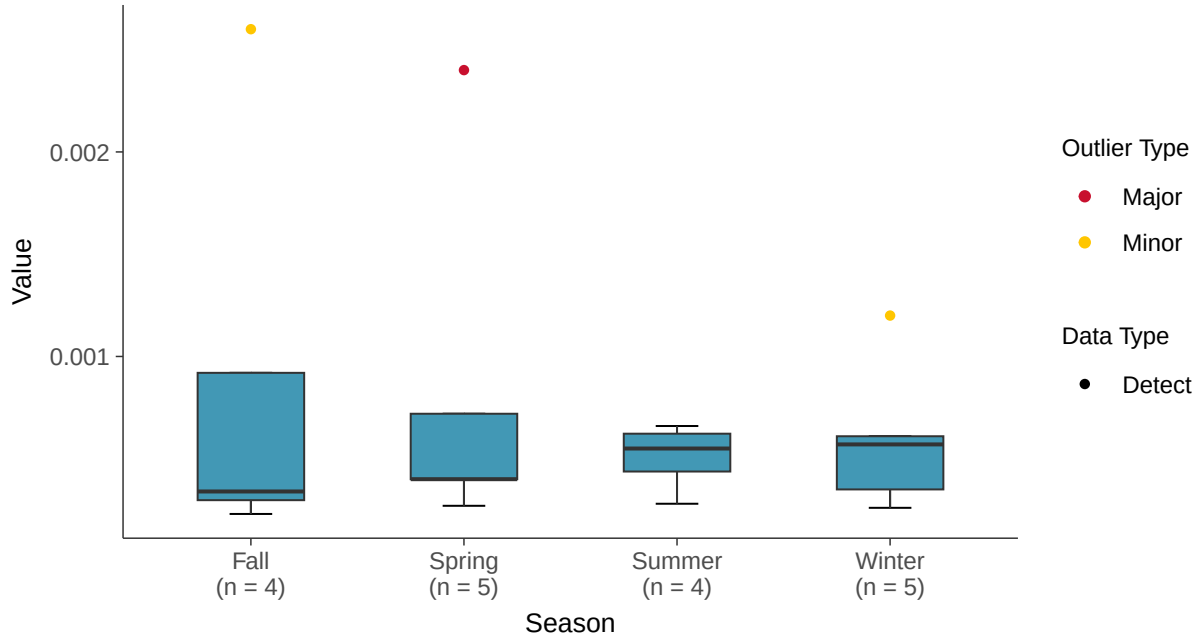
Boxplot

Cobalt, MW-11 (mg/L)



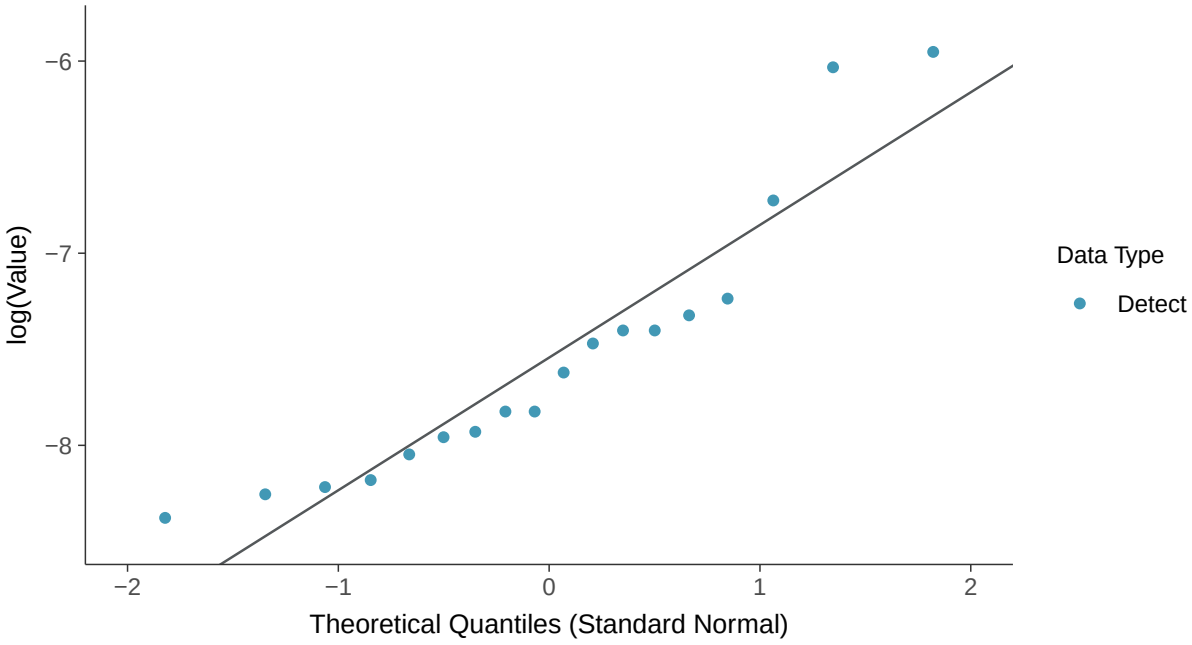
Boxplot by Season

Cobalt, MW-11 (mg/L)



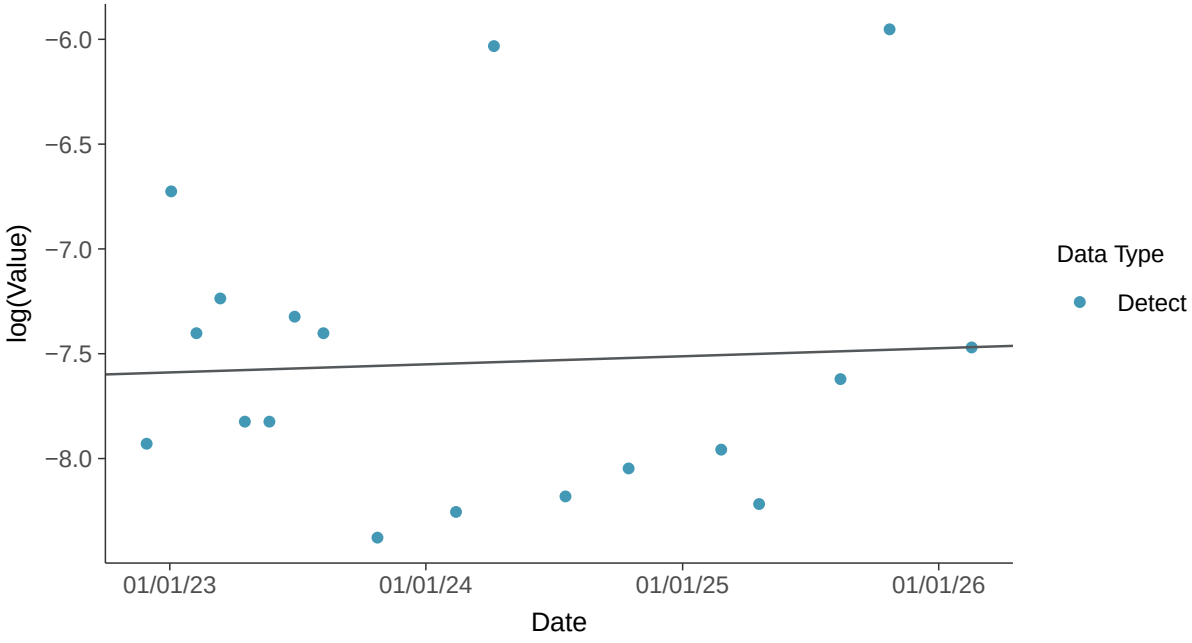
Lognormal Q-Q plot

Cobalt, MW-11 (mg/L)



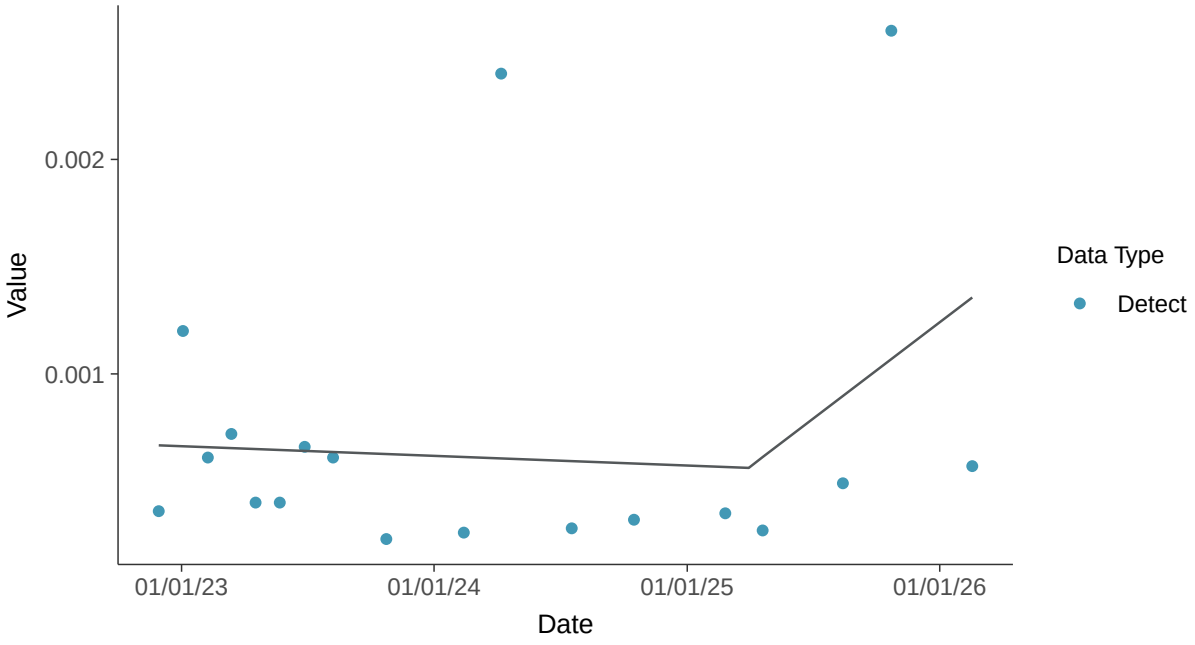
Trend Regression: Lognormal MLE

Cobalt, MW-11 (mg/L)



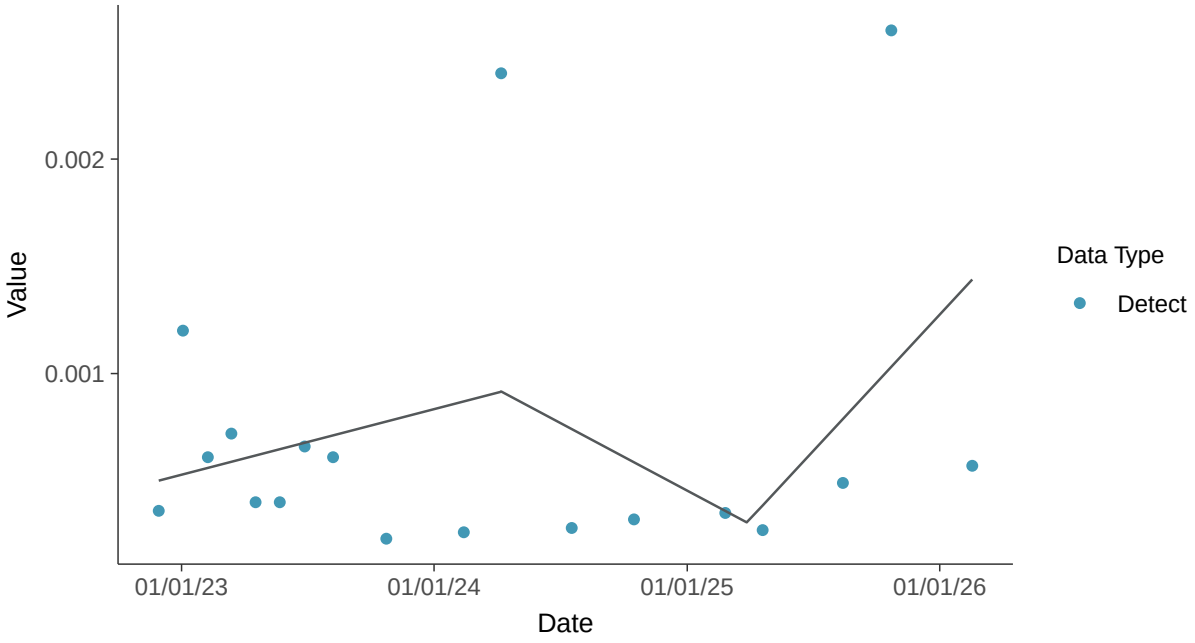
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-11 (mg/L)



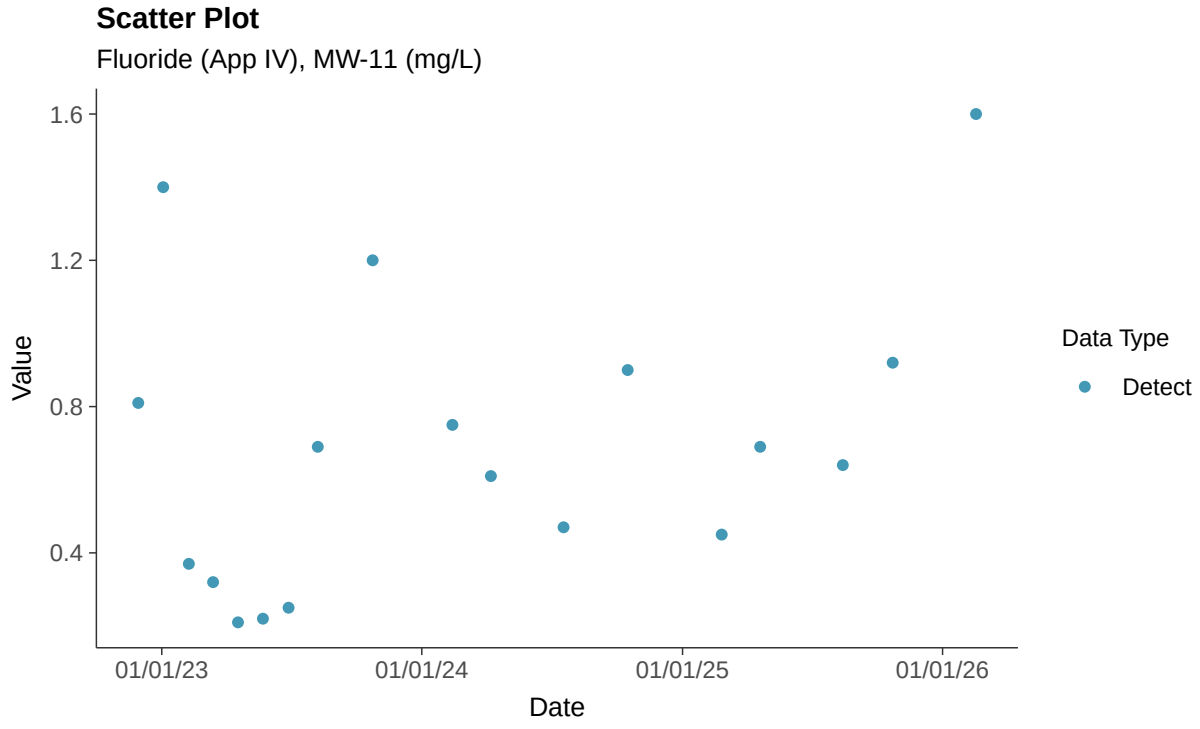
Trend Regression: Piecewise Linear-Linear-Linear

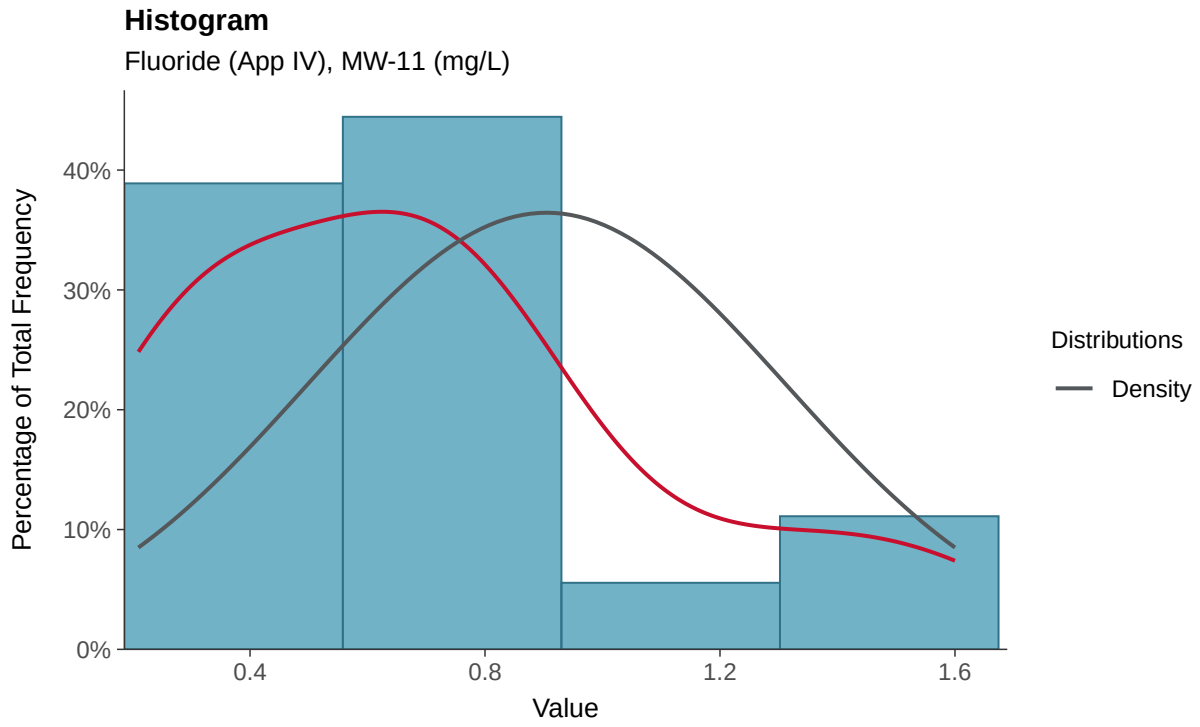
Cobalt, MW-11 (mg/L)



Appendix IV: Fluoride (App IV), MW-11

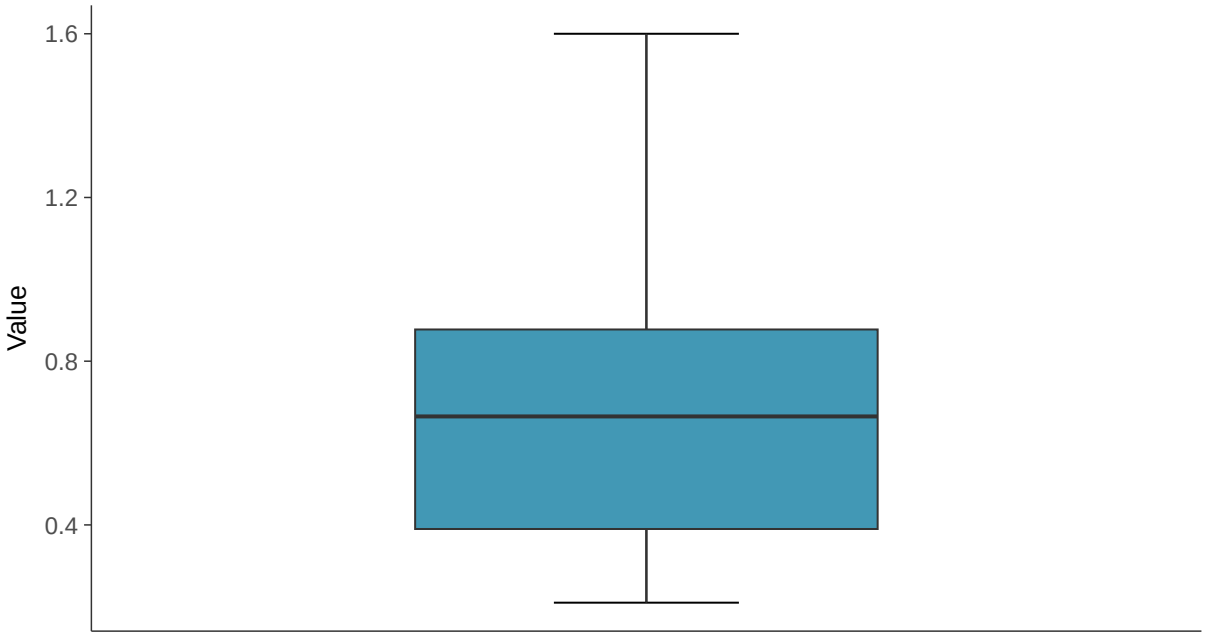
ID: 21_2_4_113





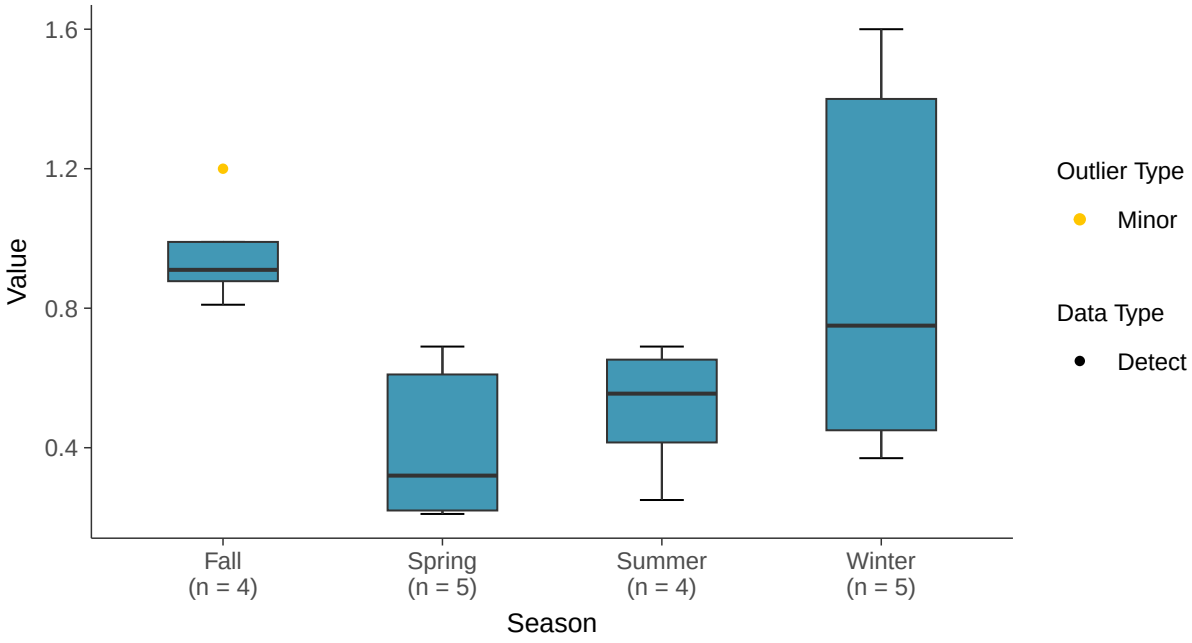
Boxplot

Fluoride (App IV), MW-11 (mg/L)



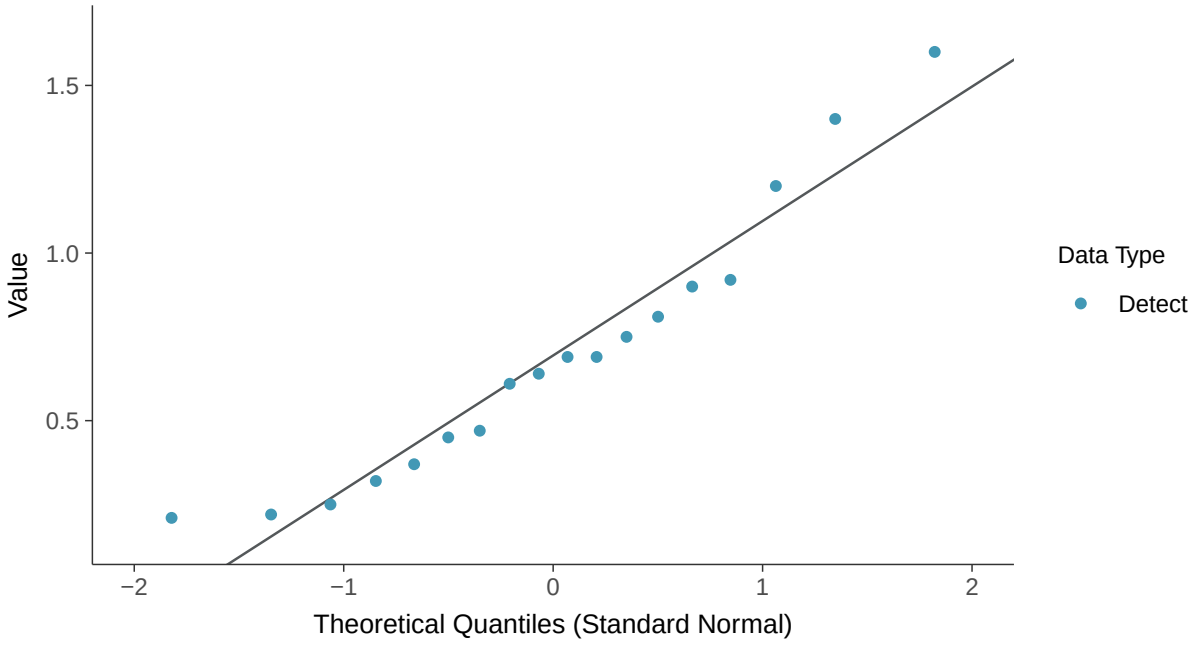
Boxplot by Season

Fluoride (App IV), MW-11 (mg/L)



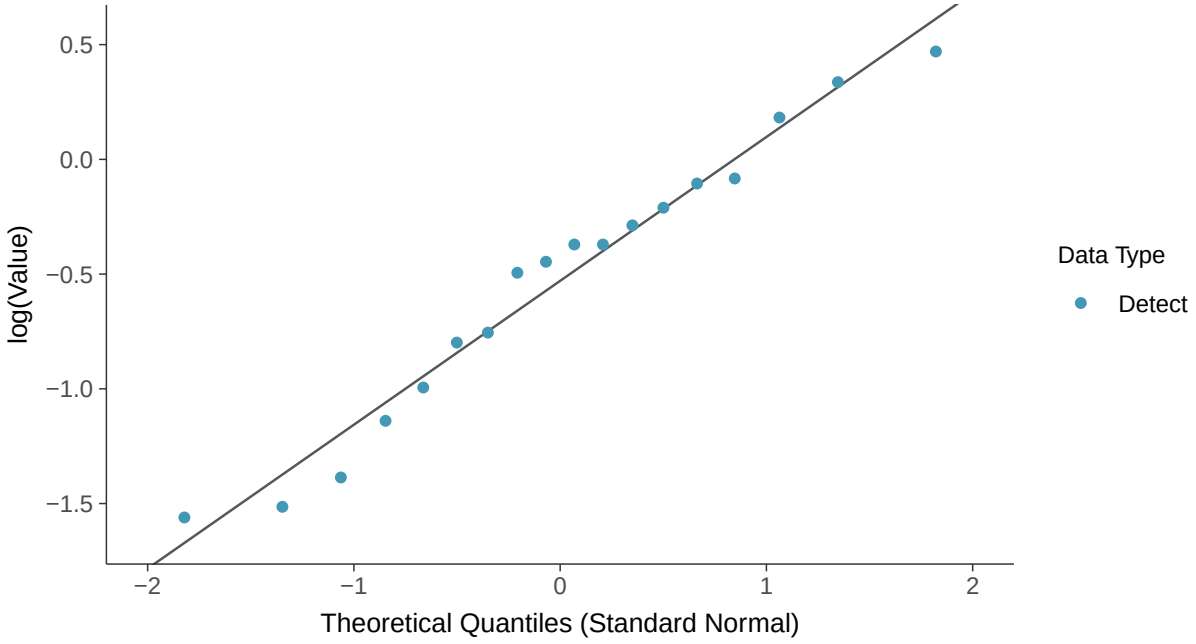
Normal Q-Q plot

Fluoride (App IV), MW-11 (mg/L)



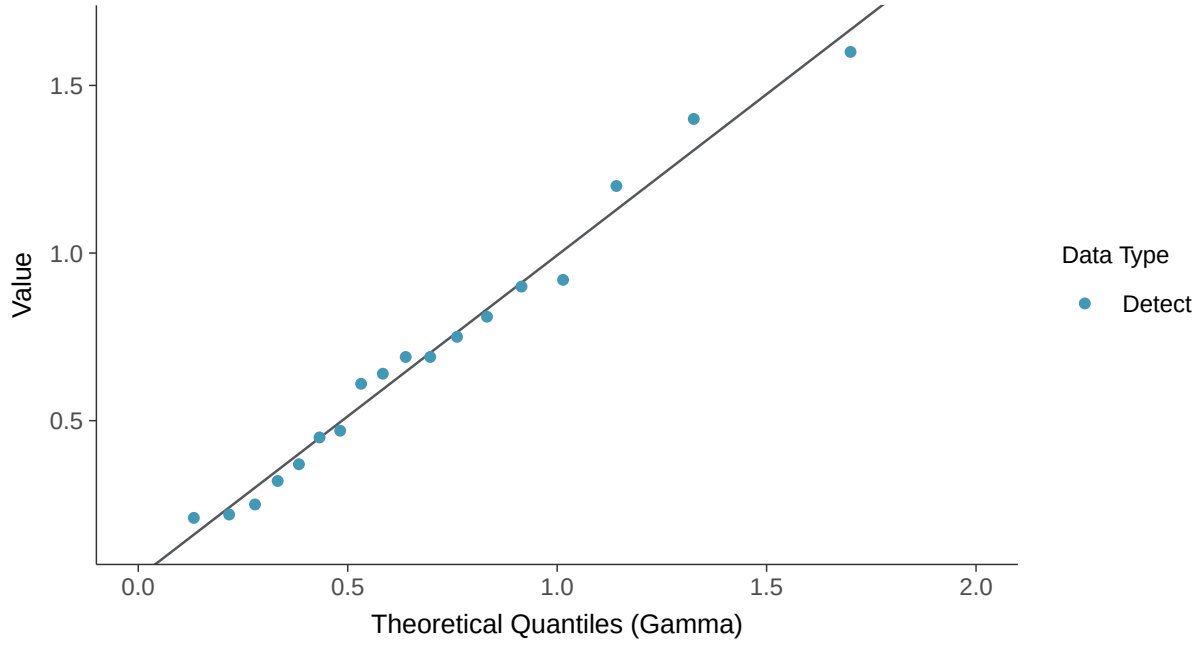
Lognormal Q-Q plot

Fluoride (App IV), MW-11 (mg/L)



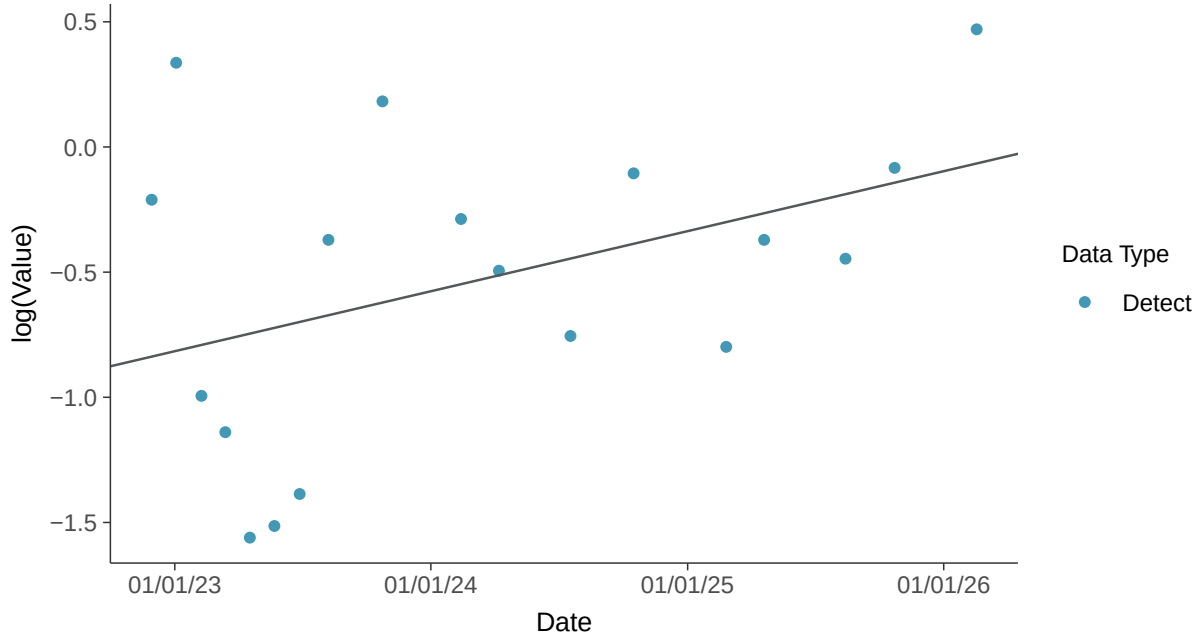
Gamma Q-Q plot

Fluoride (App IV), MW-11 (mg/L)



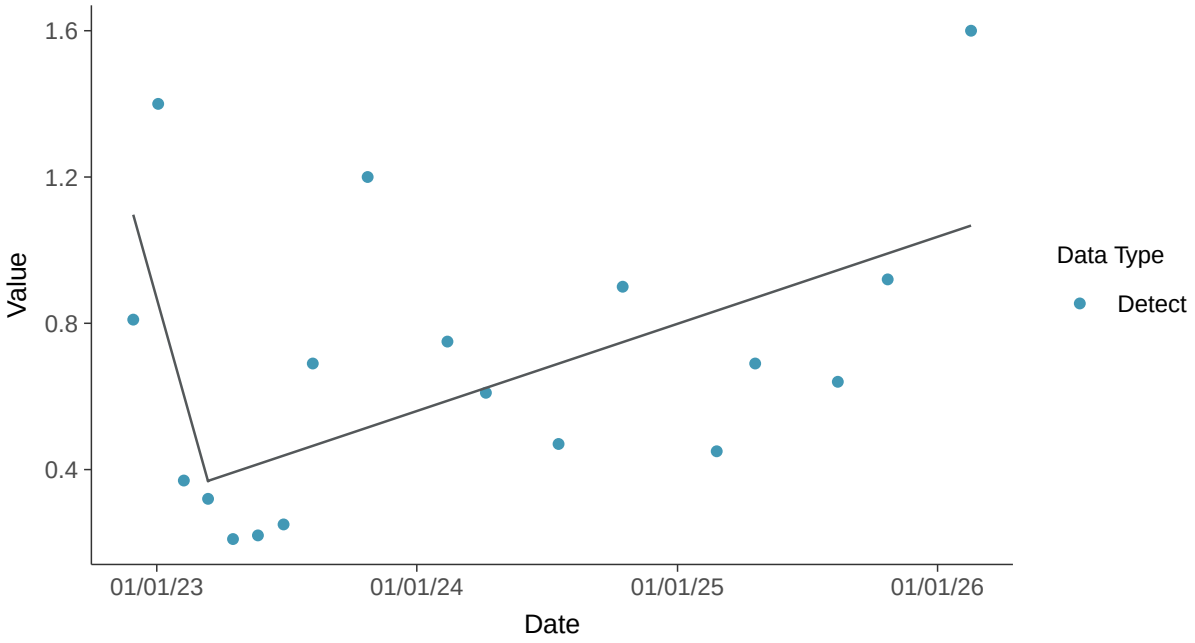
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-11 (mg/L)



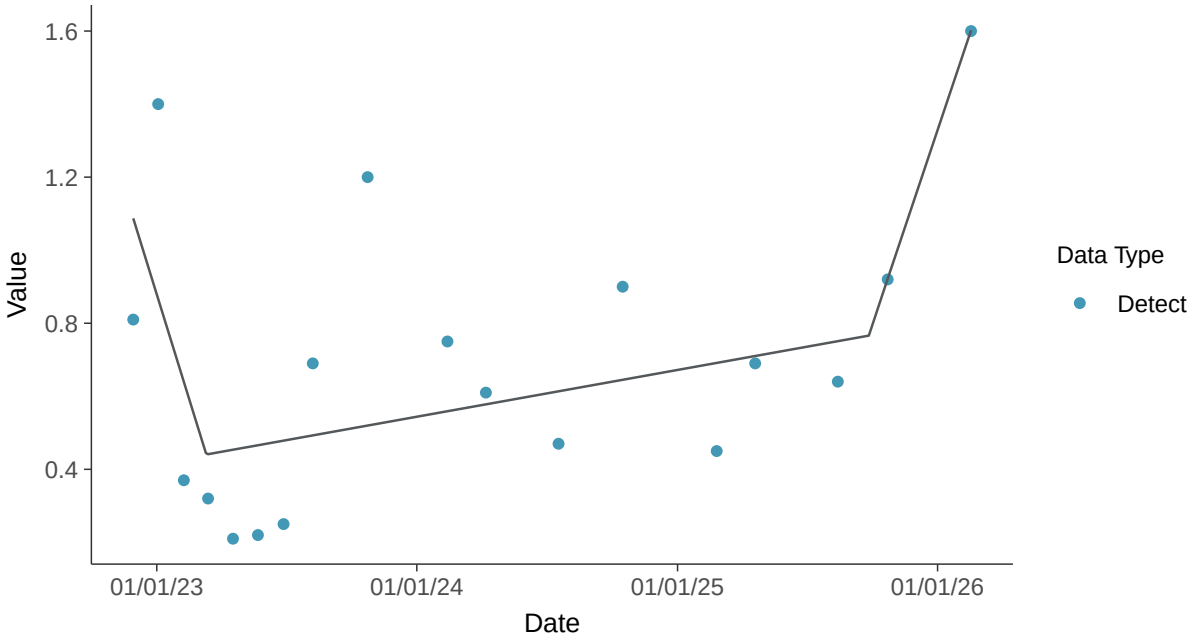
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-11 (mg/L)



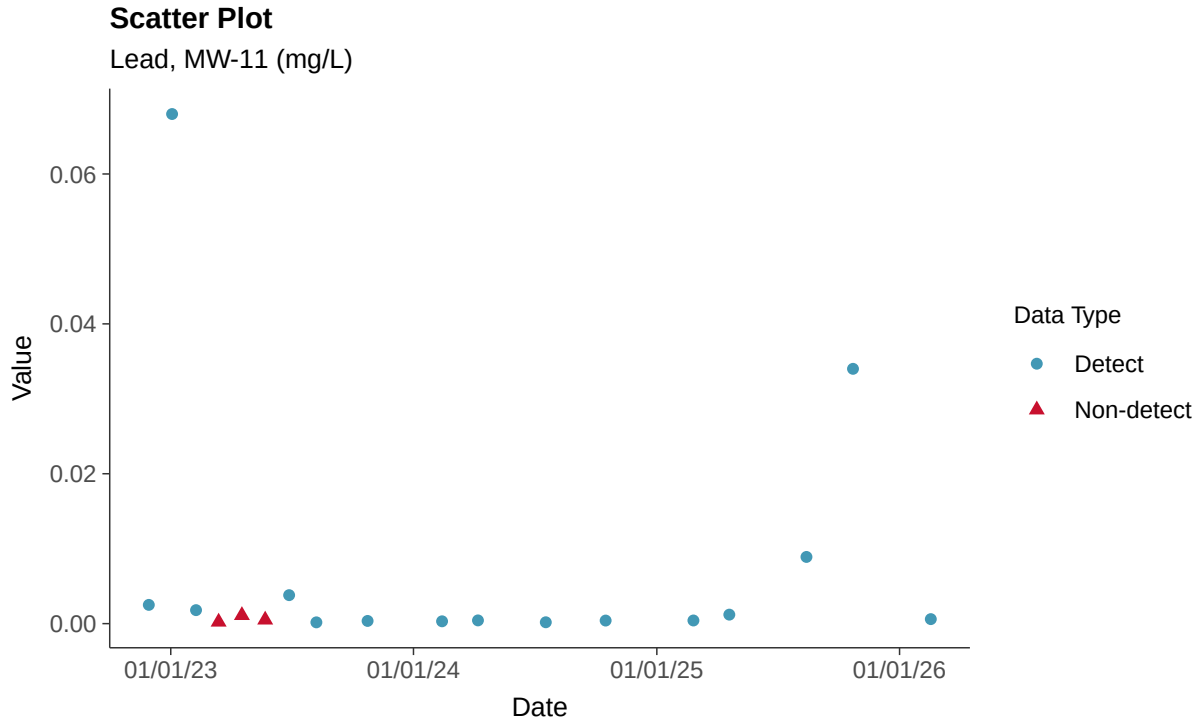
Trend Regression: Piecewise Linear-Linear-Linear

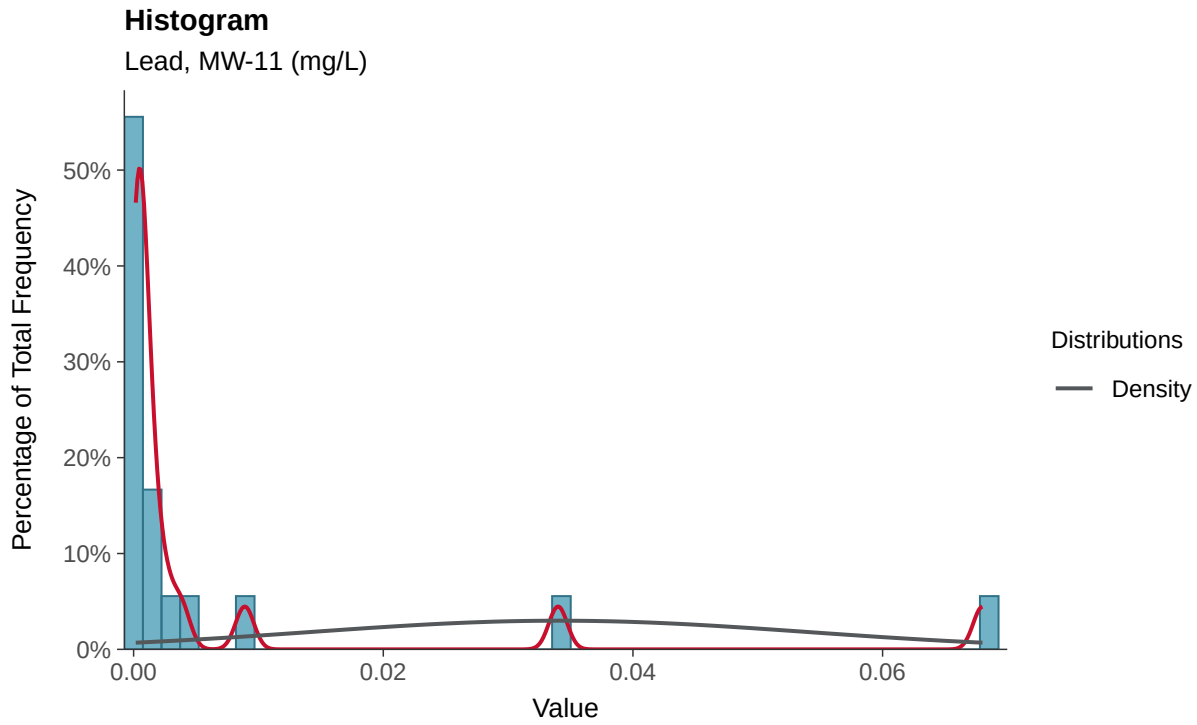
Fluoride (App IV), MW-11 (mg/L)



Appendix IV: Lead, MW-11

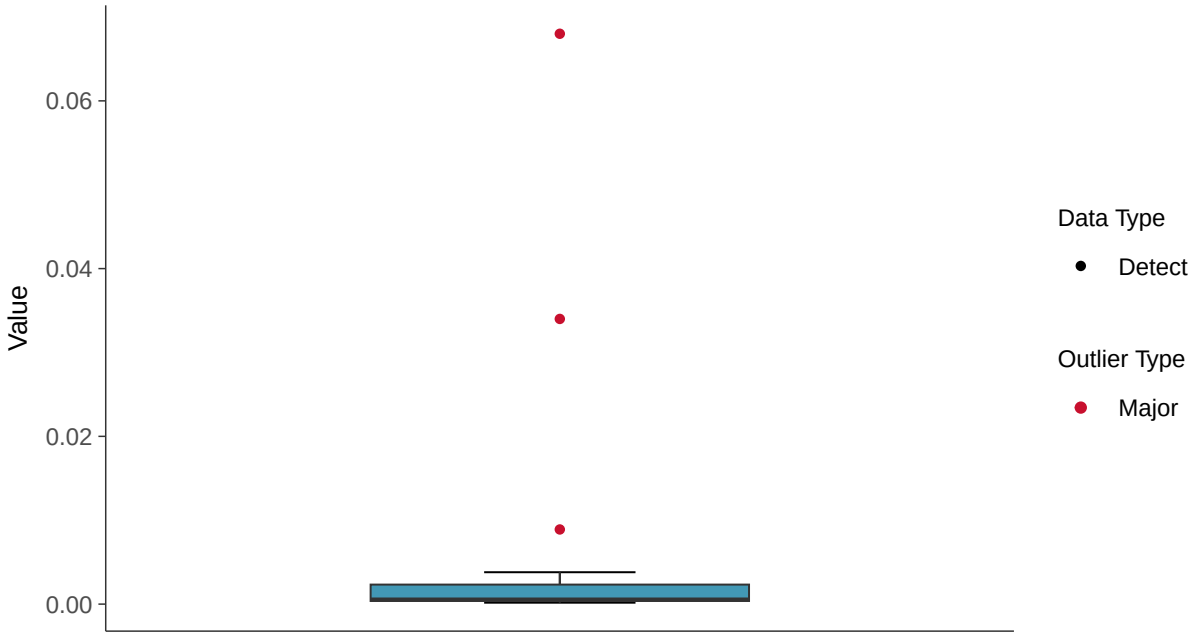
ID: 21_2_4_115





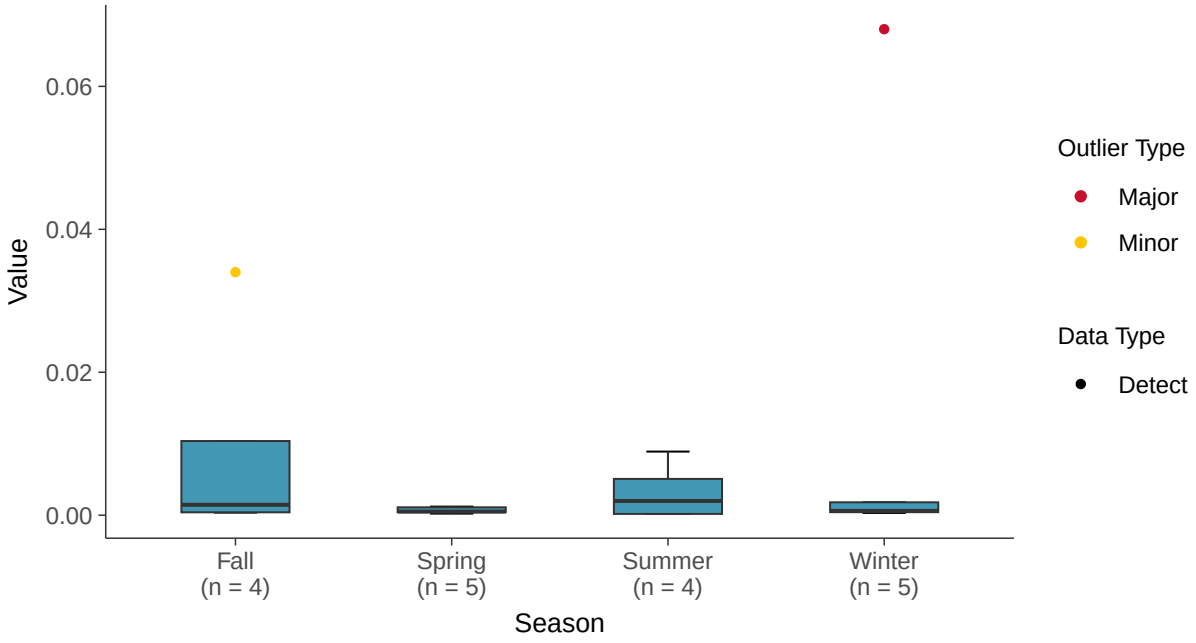
Boxplot

Lead, MW-11 (mg/L)



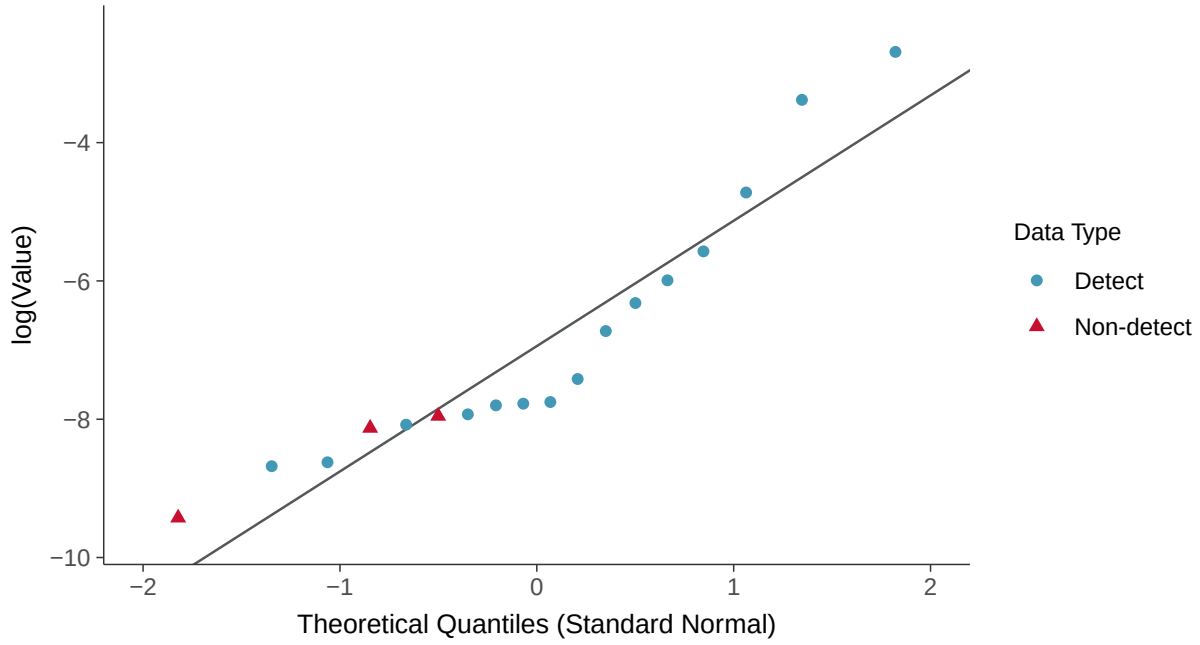
Boxplot by Season

Lead, MW-11 (mg/L)



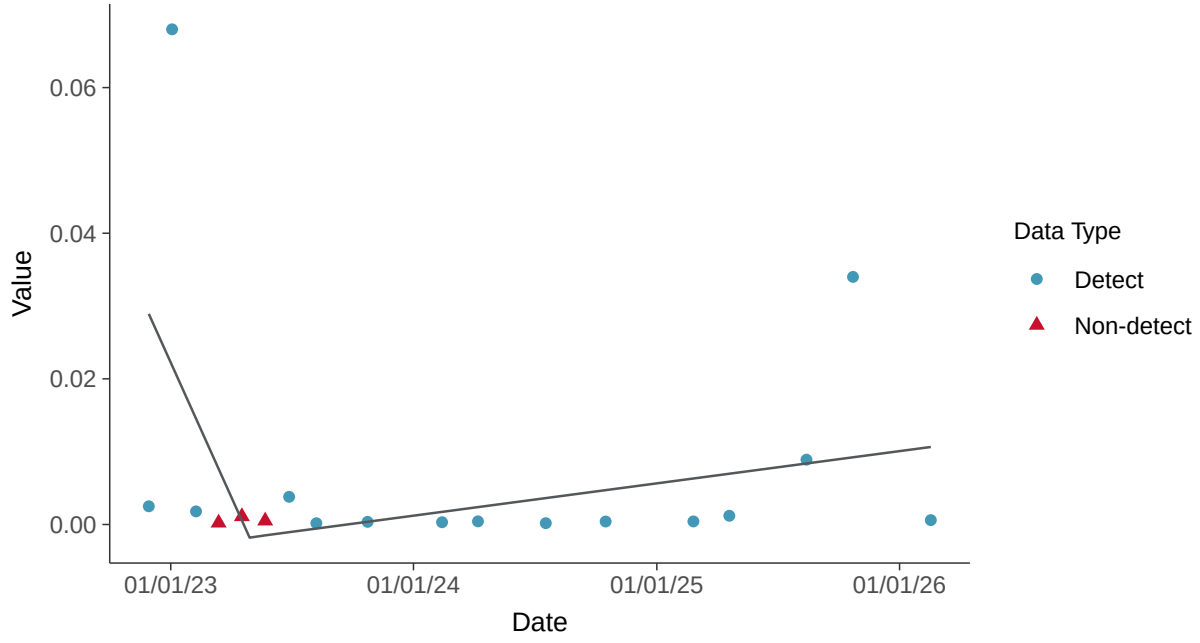
Lognormal Q-Q plot using ROS Imputed Estimates

Lead, MW-11 (mg/L)



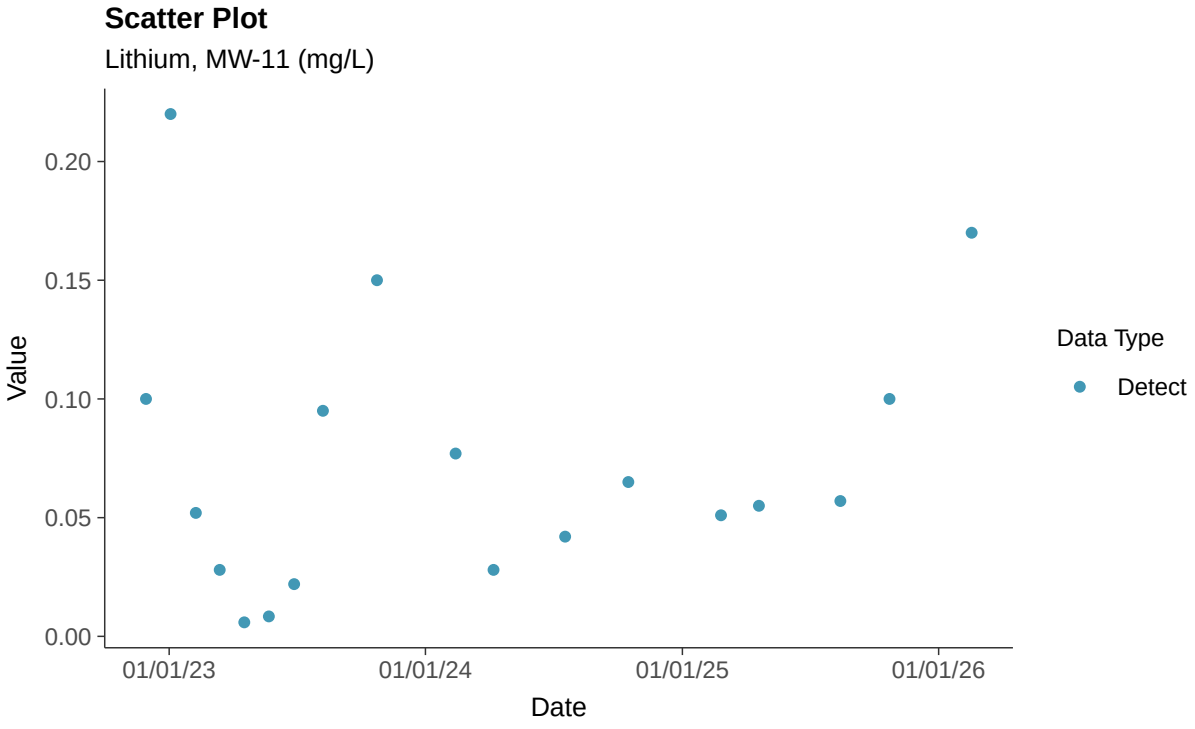
Trend Regression: Piecewise Linear-Linear

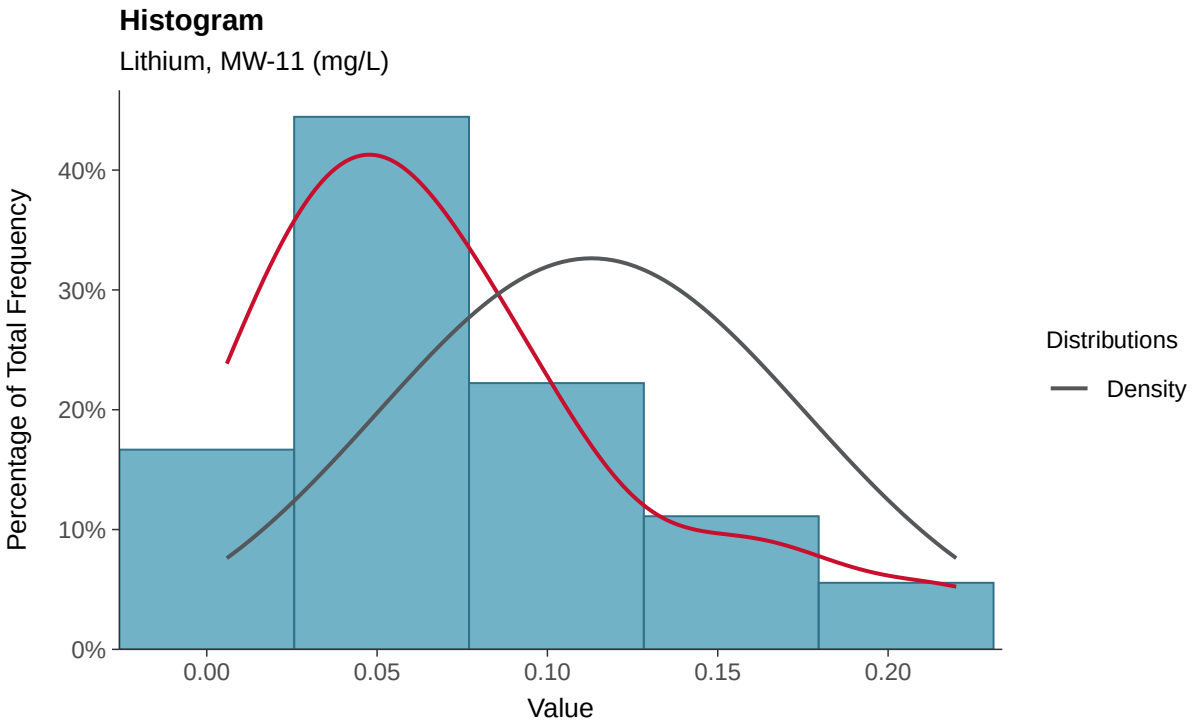
Lead, MW-11 (mg/L)



Appendix IV: Lithium, MW-11

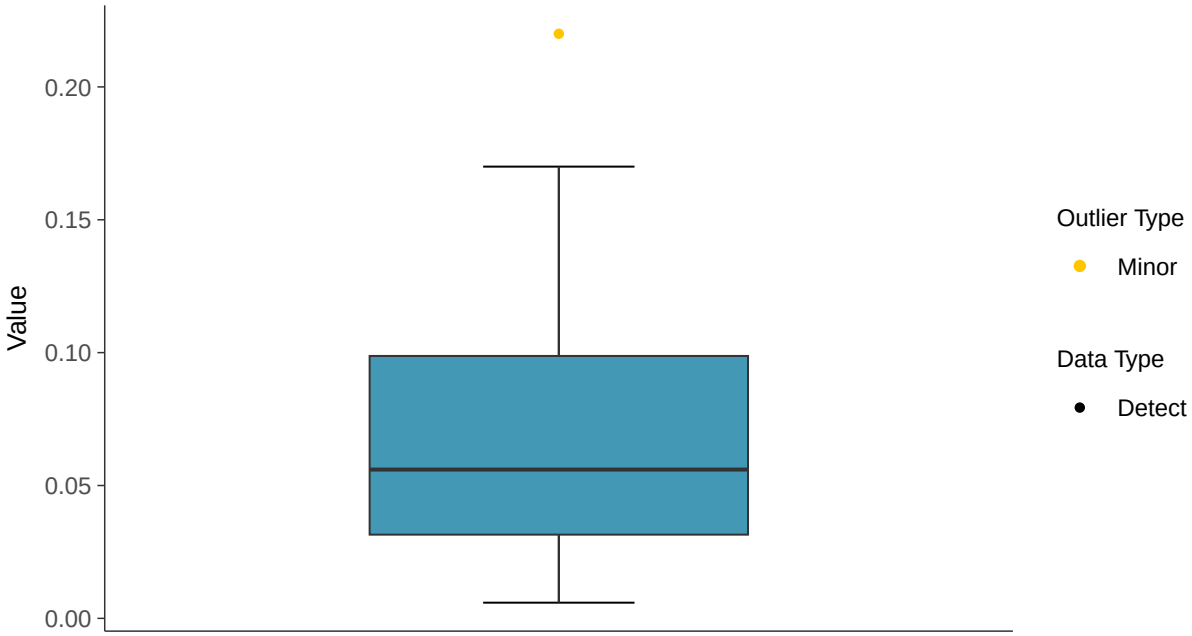
ID: 21_2_4_116





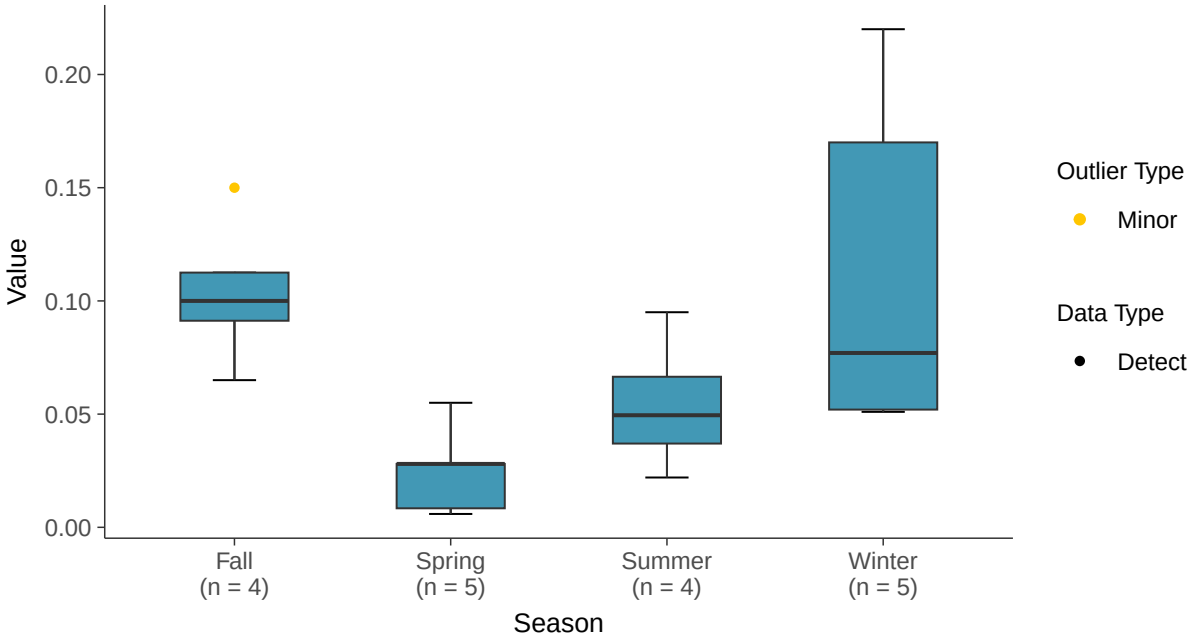
Boxplot

Lithium, MW-11 (mg/L)



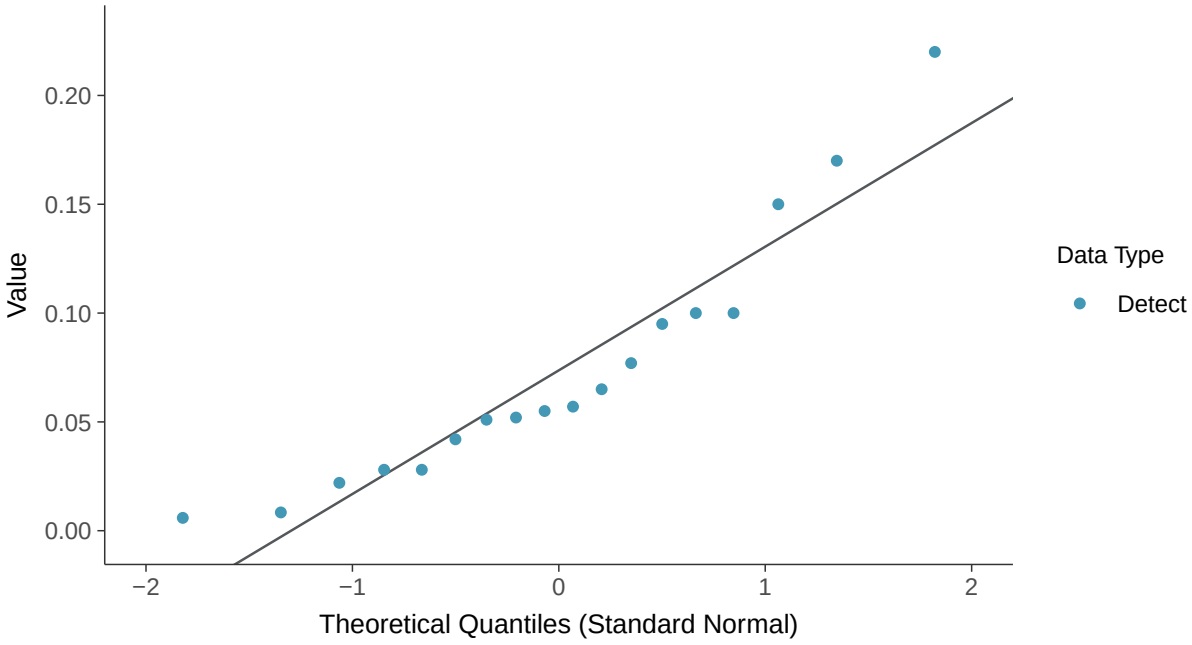
Boxplot by Season

Lithium, MW-11 (mg/L)



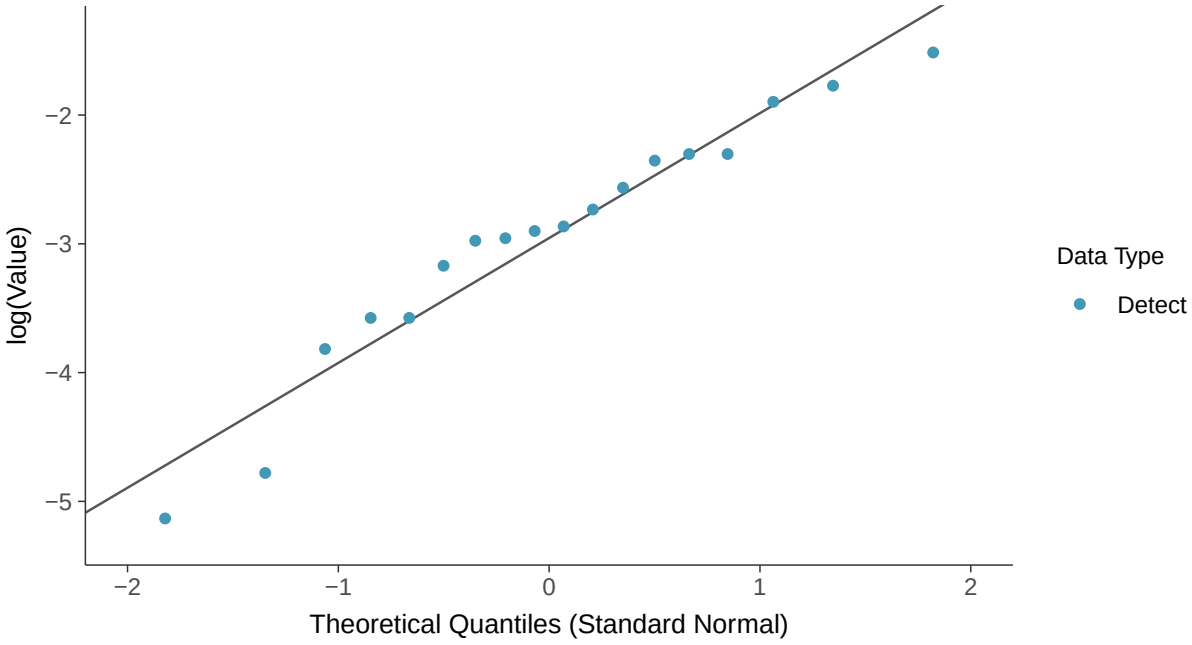
Normal Q-Q plot

Lithium, MW-11 (mg/L)



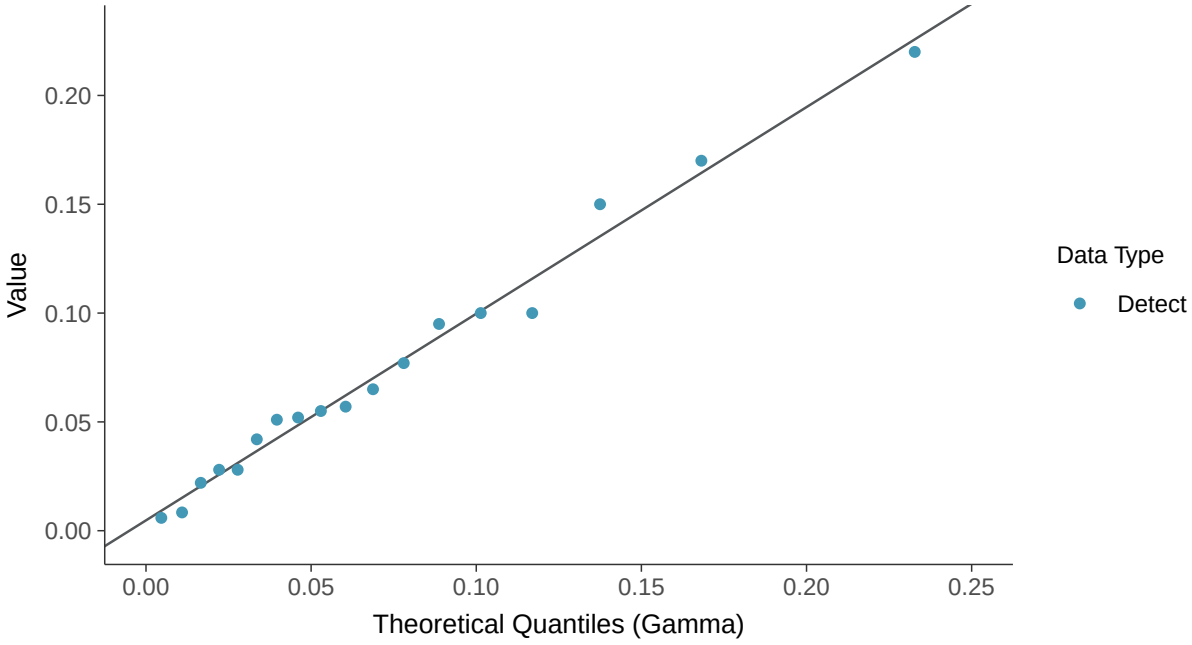
Lognormal Q-Q plot

Lithium, MW-11 (mg/L)



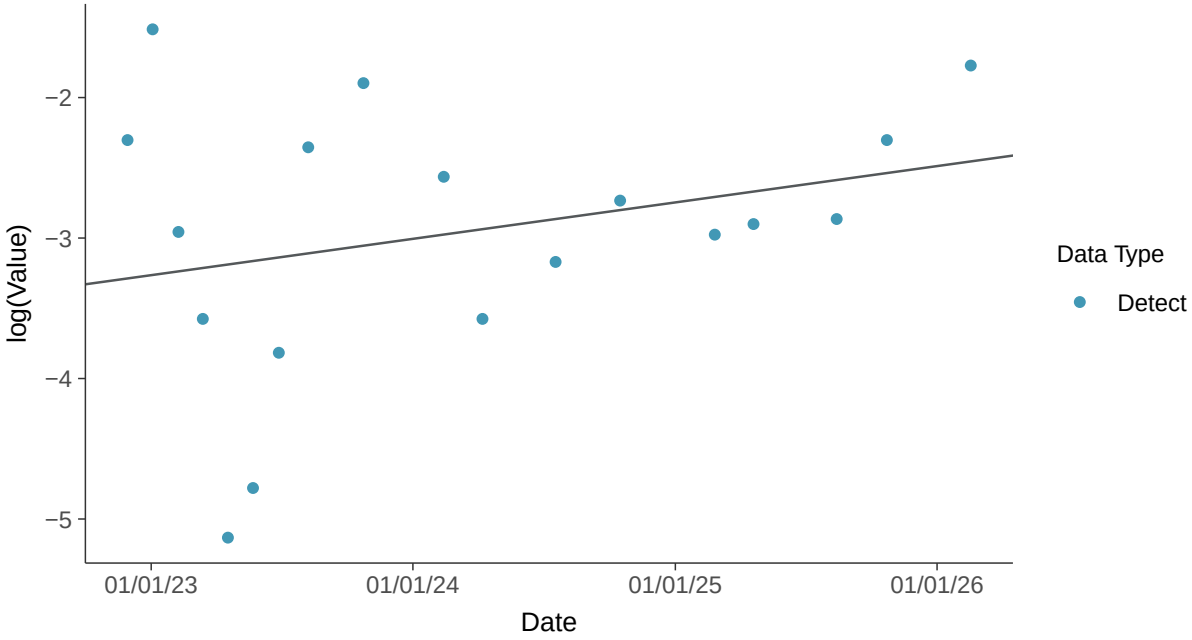
Gamma Q-Q plot

Lithium, MW-11 (mg/L)



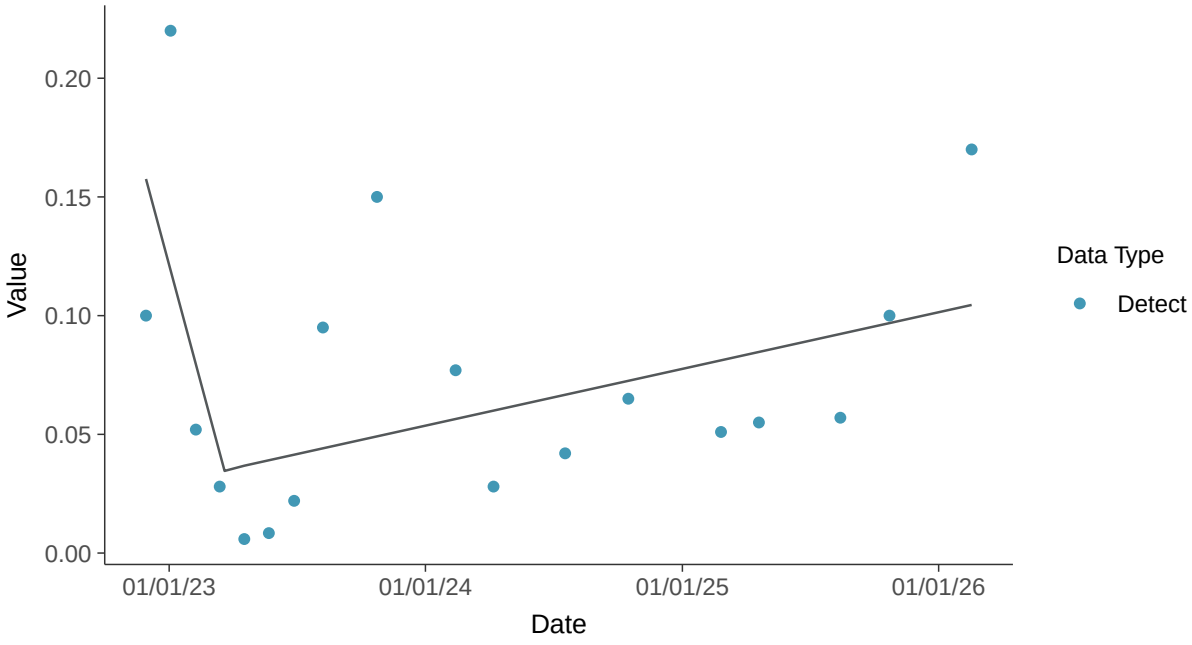
Trend Regression: Lognormal MLE

Lithium, MW-11 (mg/L)



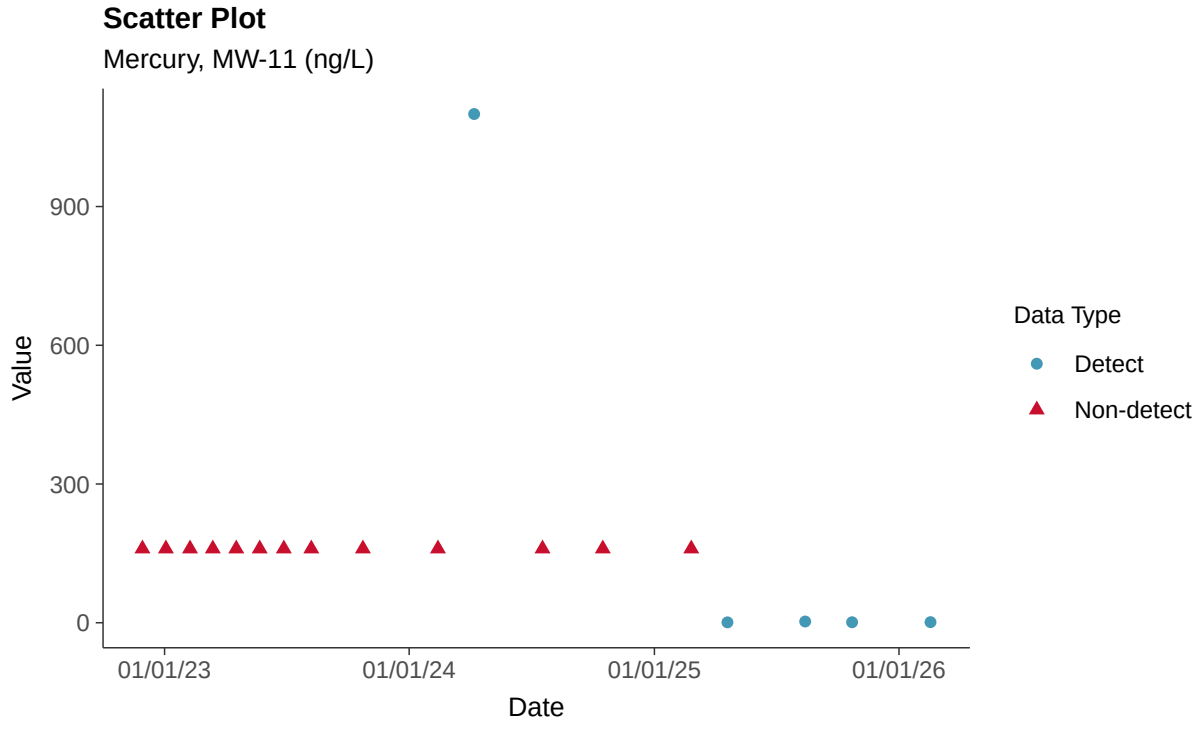
Trend Regression: Piecewise Linear-Linear

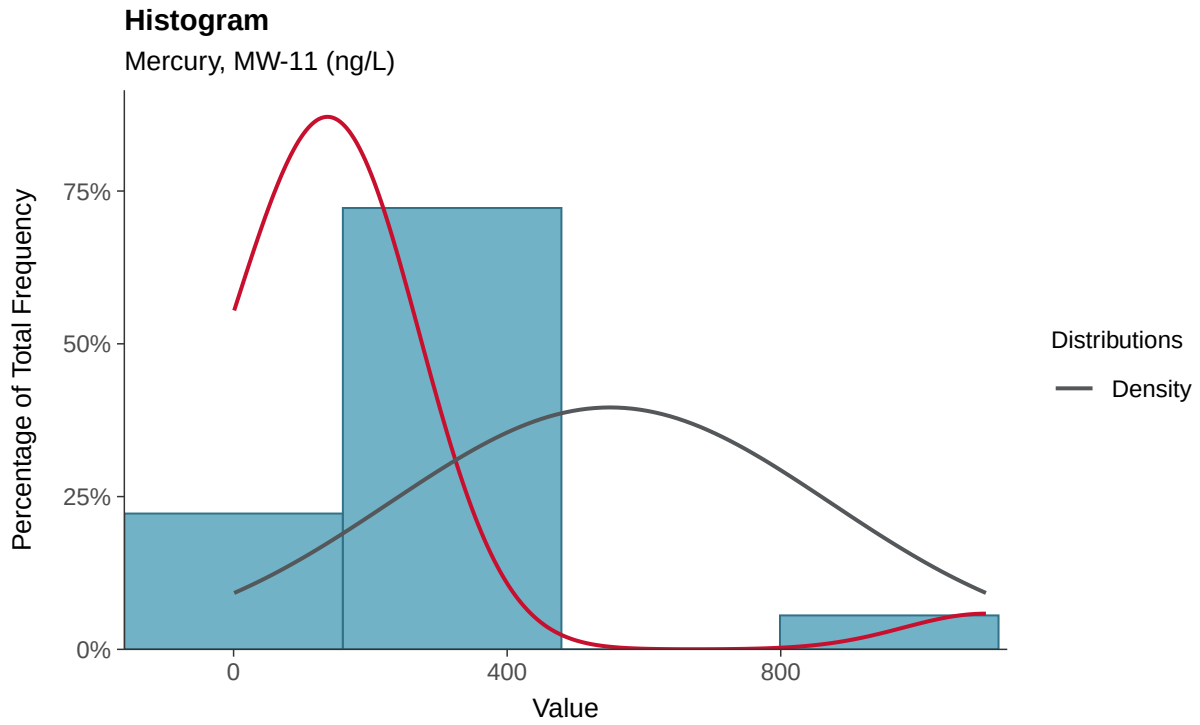
Lithium, MW-11 (mg/L)



Appendix IV: Mercury, MW-11

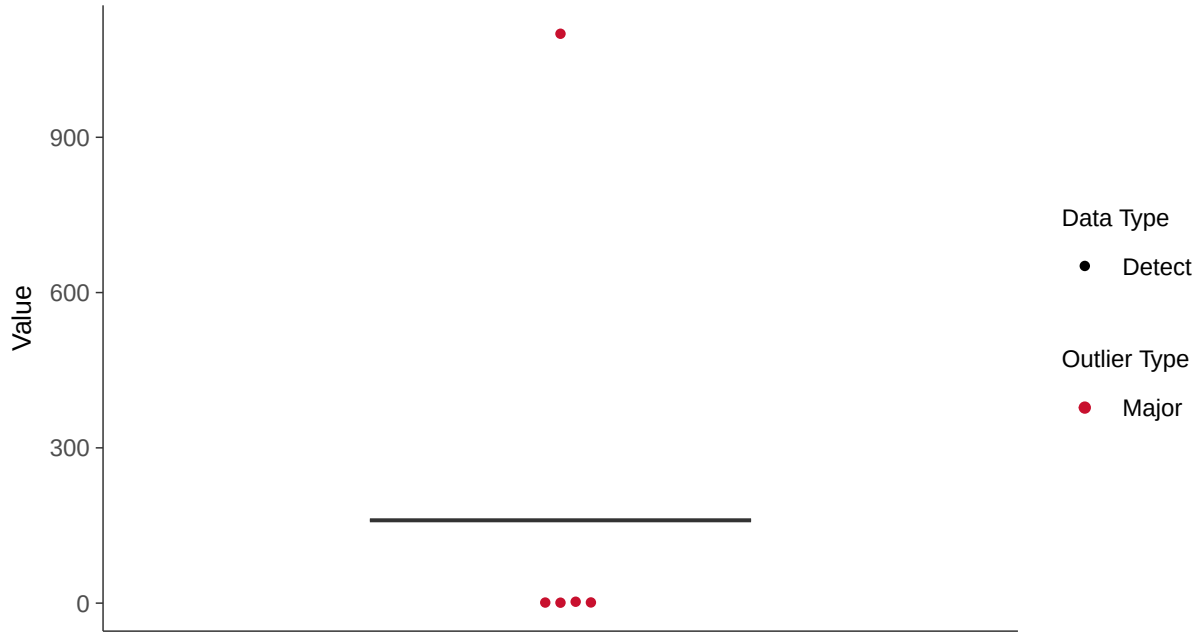
ID: 21_2_4_117





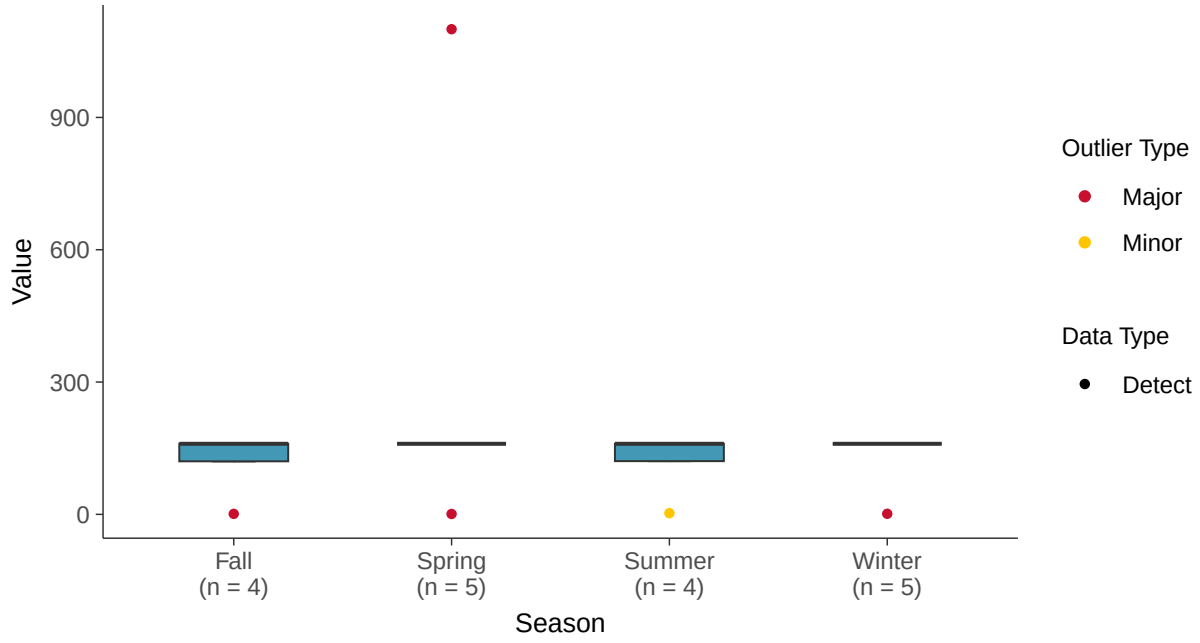
Boxplot

Mercury, MW-11 (ng/L)



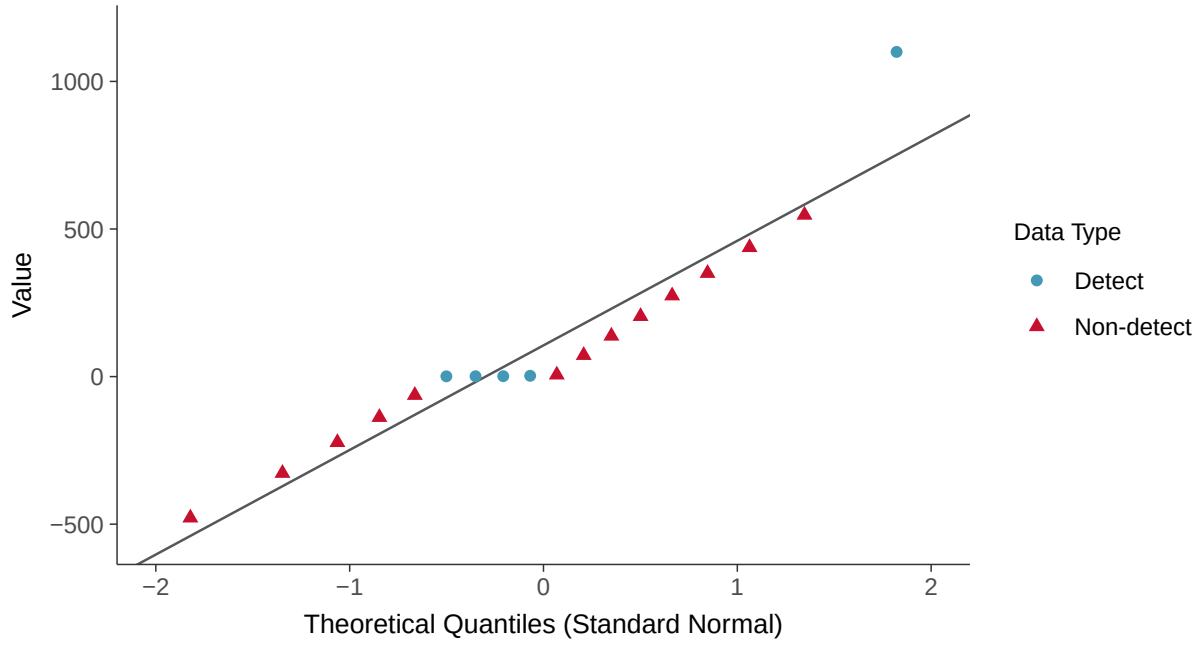
Boxplot by Season

Mercury, MW-11 (ng/L)



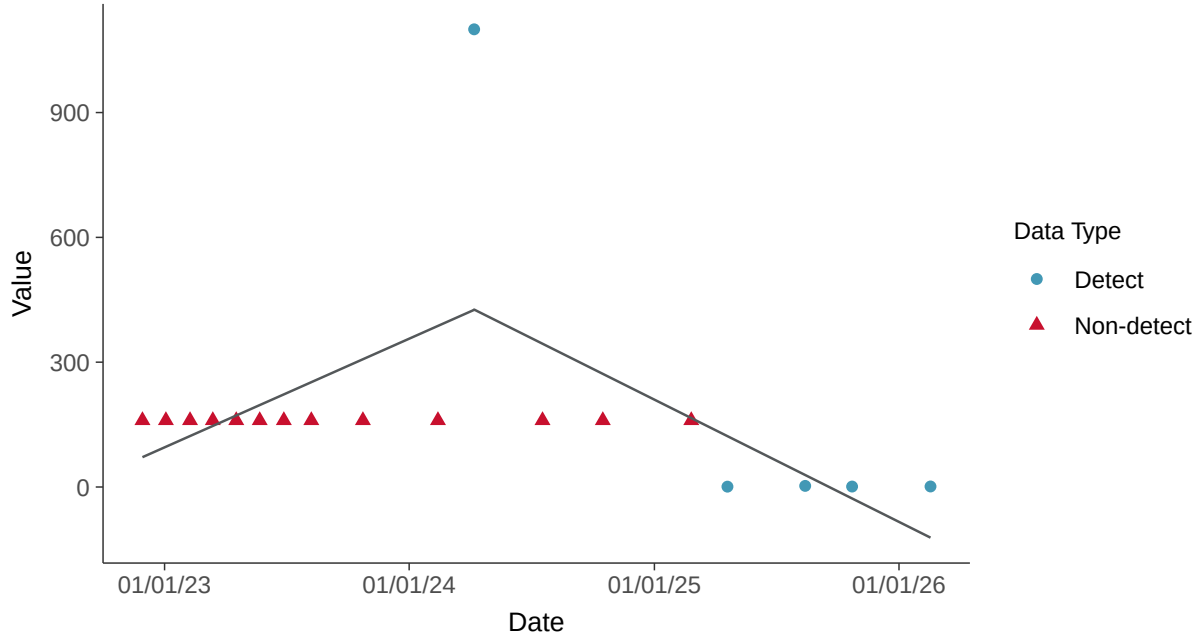
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-11 (ng/L)



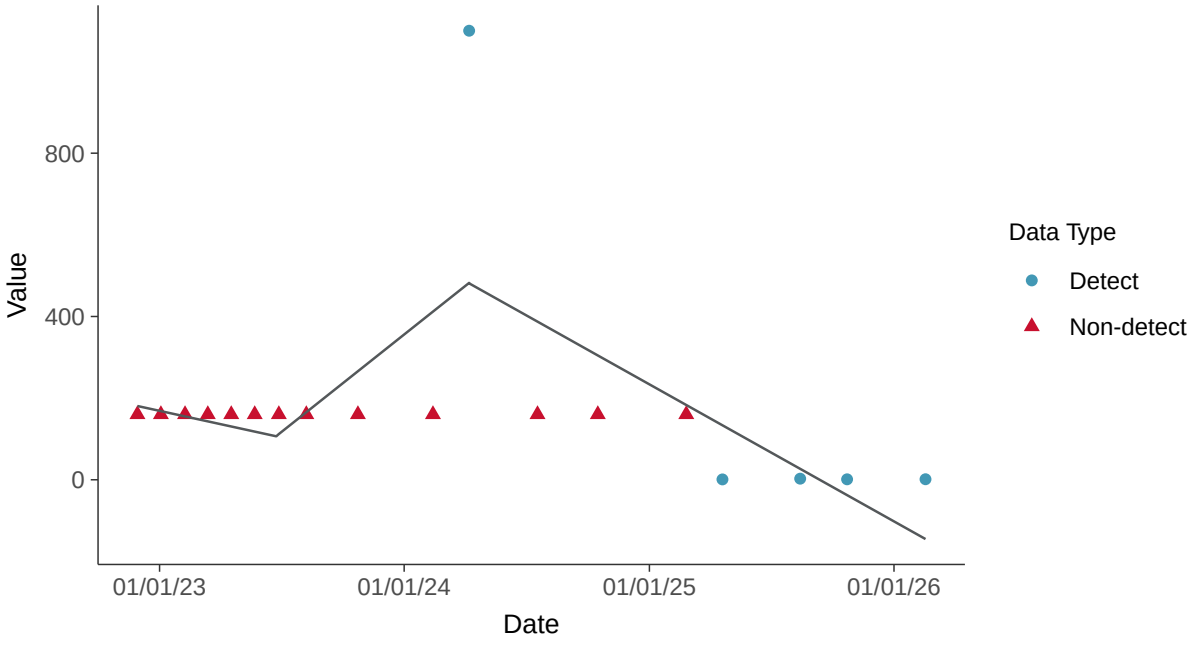
Trend Regression: Piecewise Linear-Linear

Mercury, MW-11 (ng/L)



Trend Regression: Piecewise Linear-Linear-Linear

Mercury, MW-11 (ng/L)

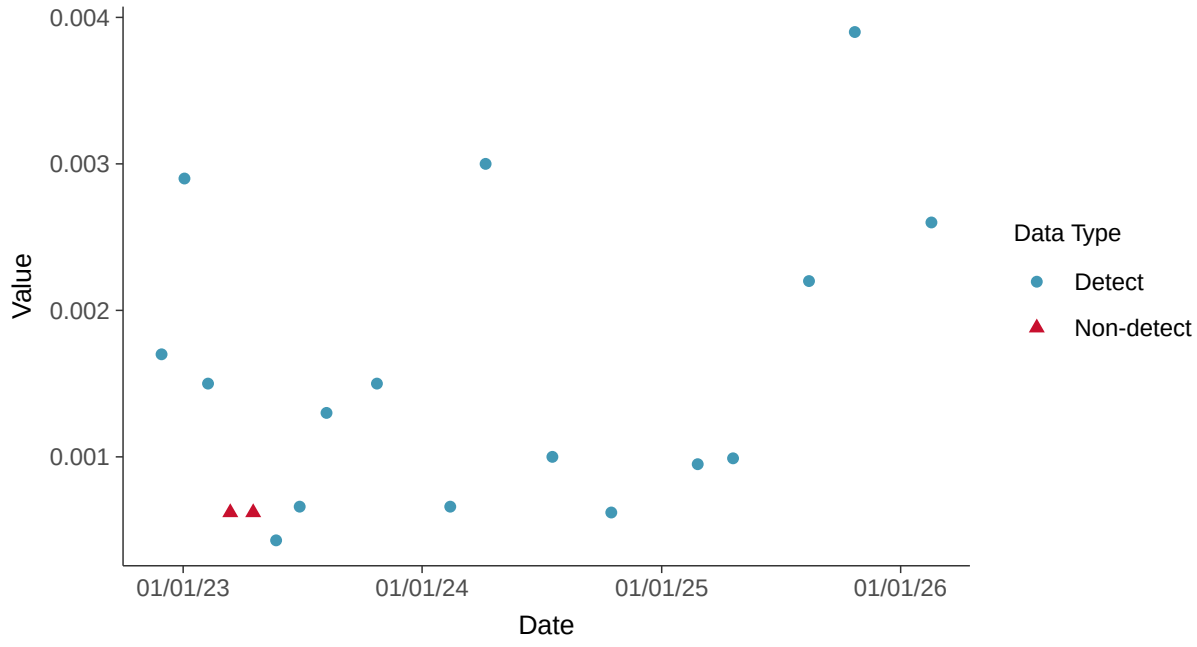


Appendix IV: Molybdenum, MW-11

ID: 21_2_4_118

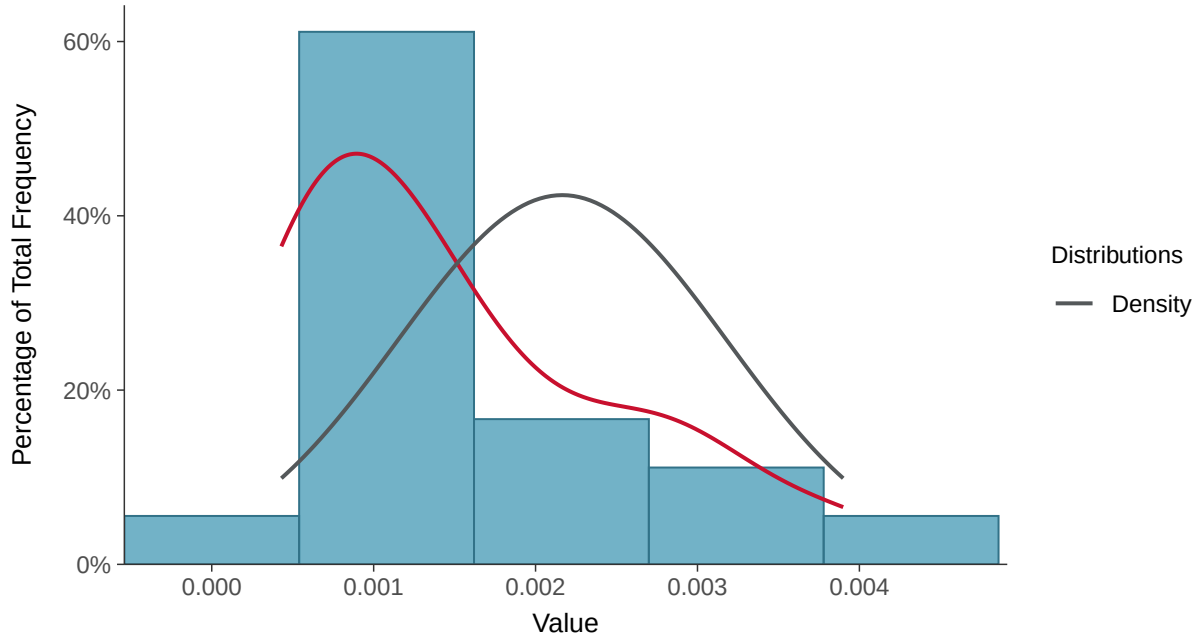
Scatter Plot

Molybdenum, MW-11 (mg/L)



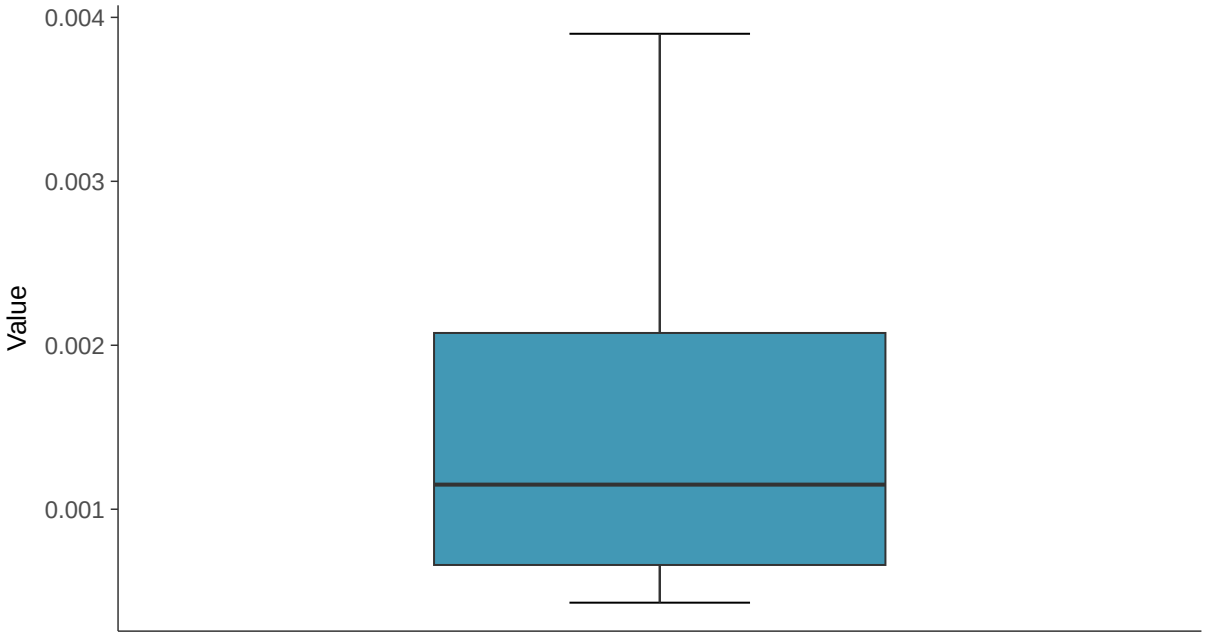
Histogram

Molybdenum, MW-11 (mg/L)



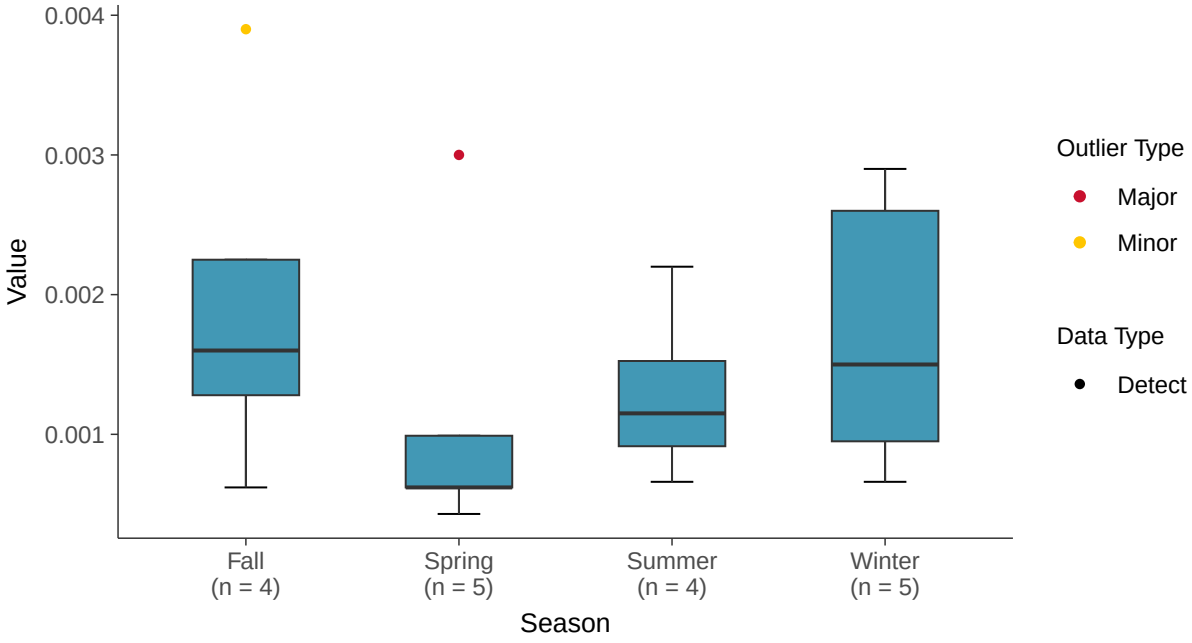
Boxplot

Molybdenum, MW-11 (mg/L)



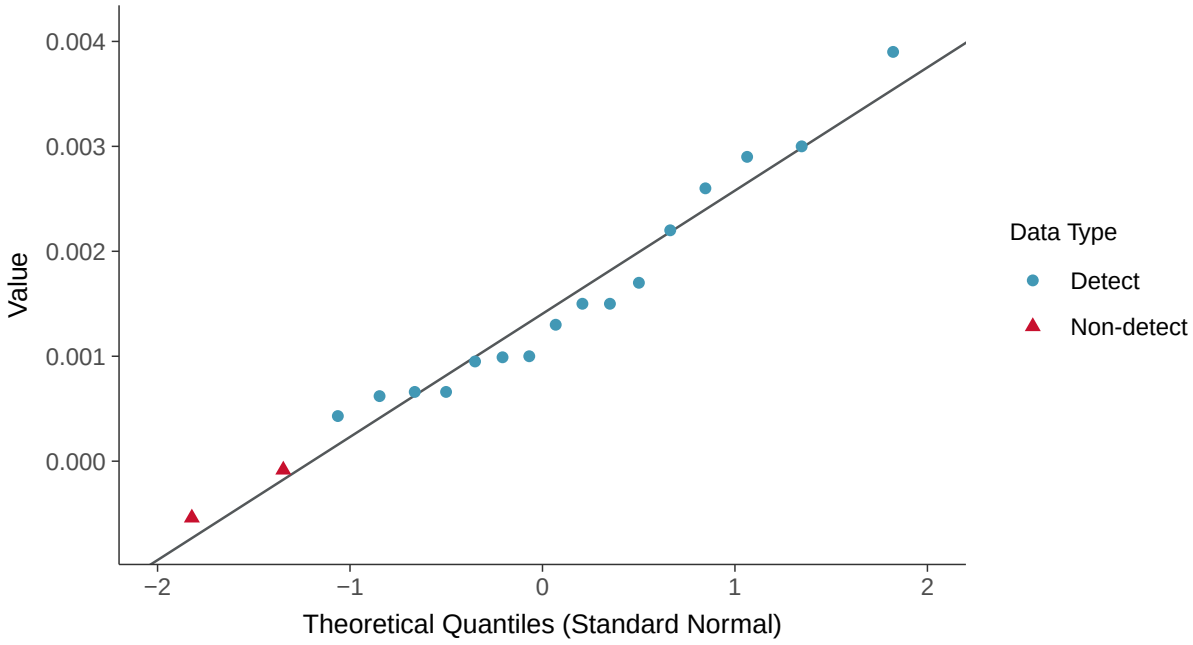
Boxplot by Season

Molybdenum, MW-11 (mg/L)



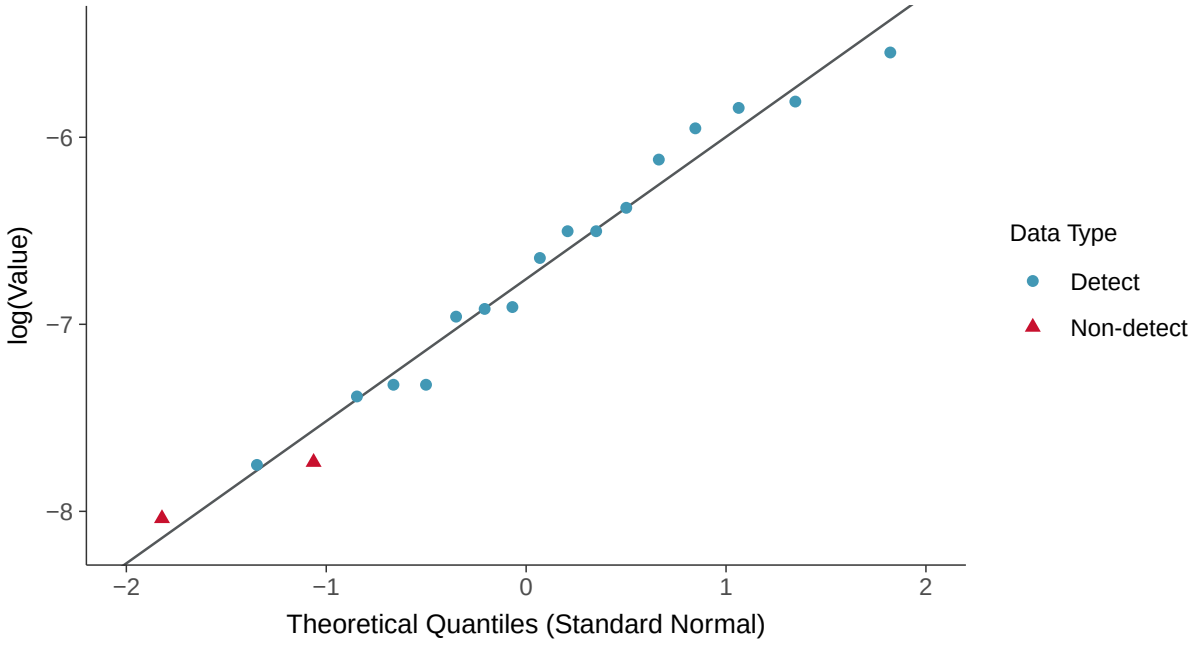
Normal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-11 (mg/L)



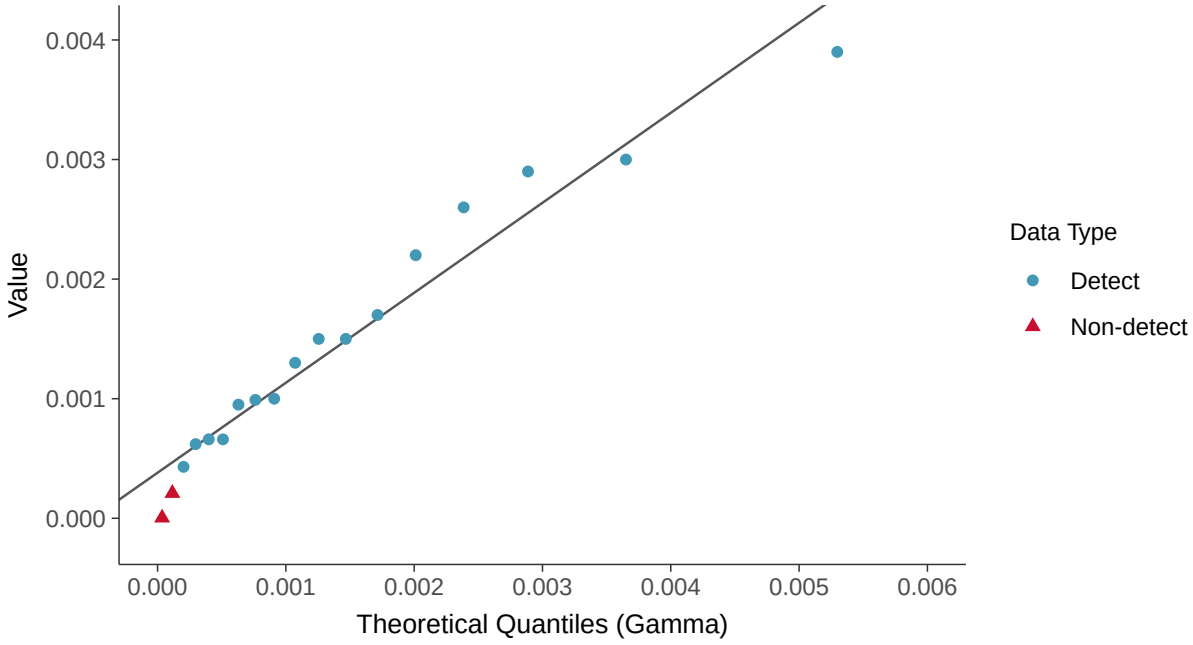
Lognormal Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-11 (mg/L)



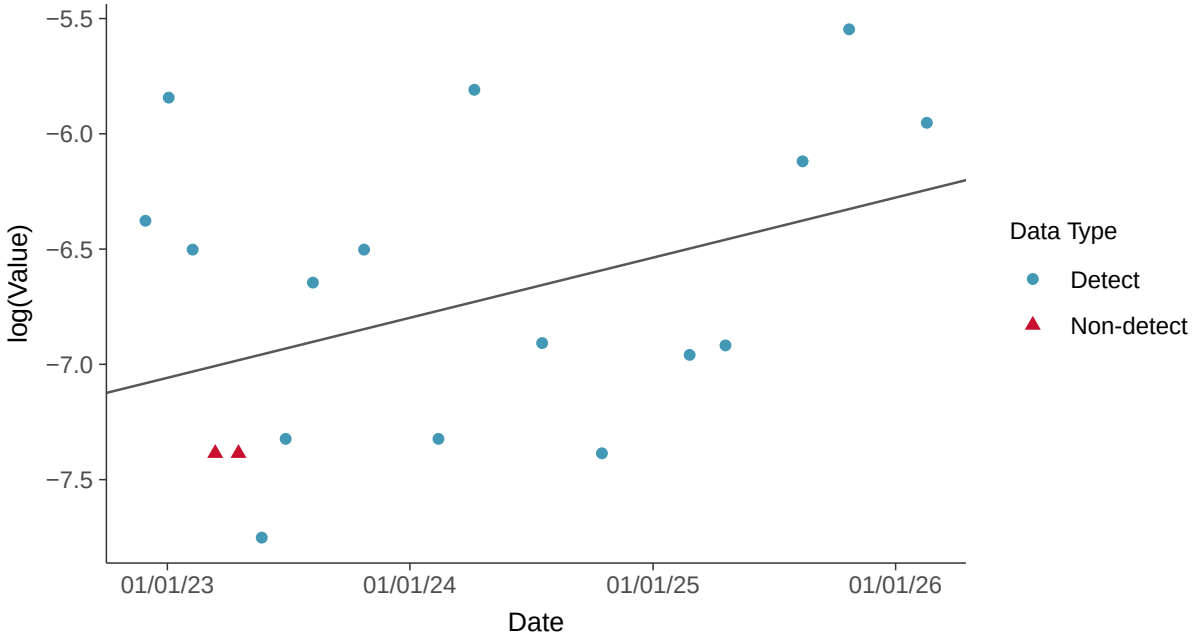
Gamma Q-Q plot using ROS Imputed Estimates

Molybdenum, MW-11 (mg/L)



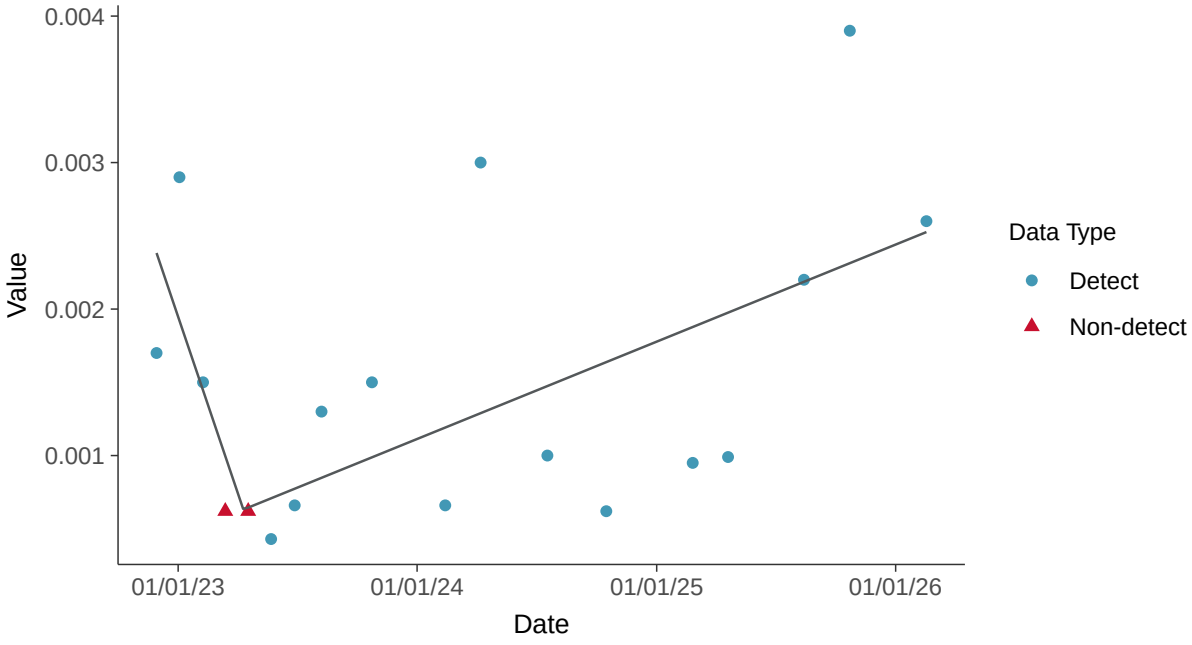
Trend Regression: Lognormal MLE

Molybdenum, MW-11 (mg/L)



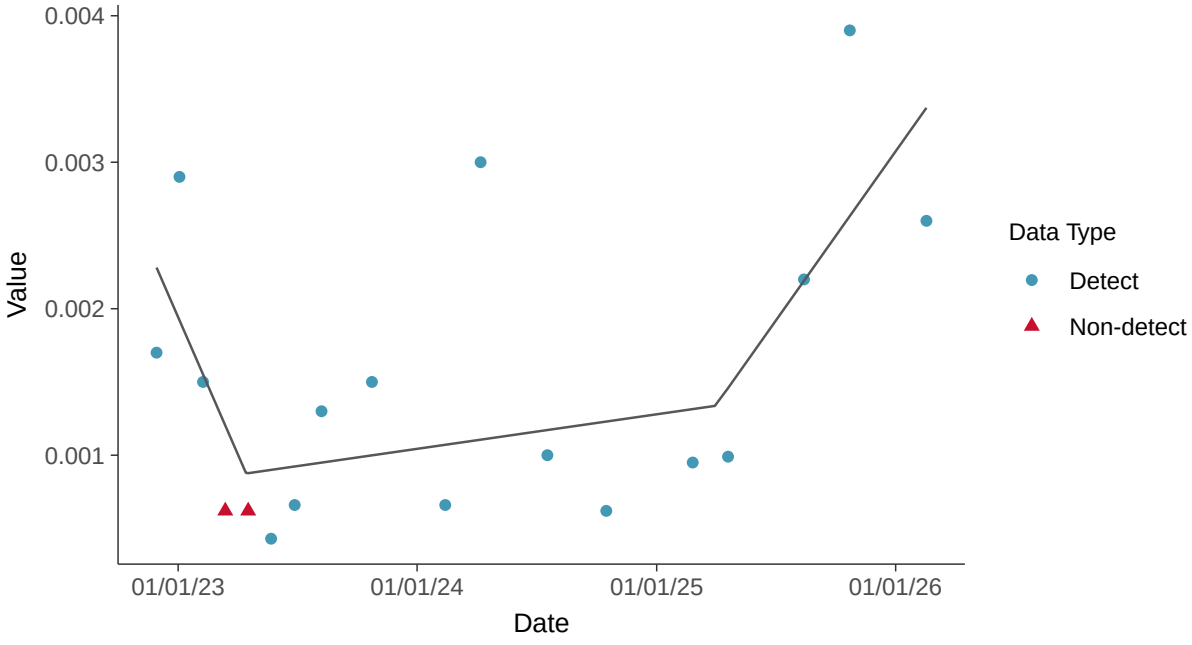
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-11 (mg/L)



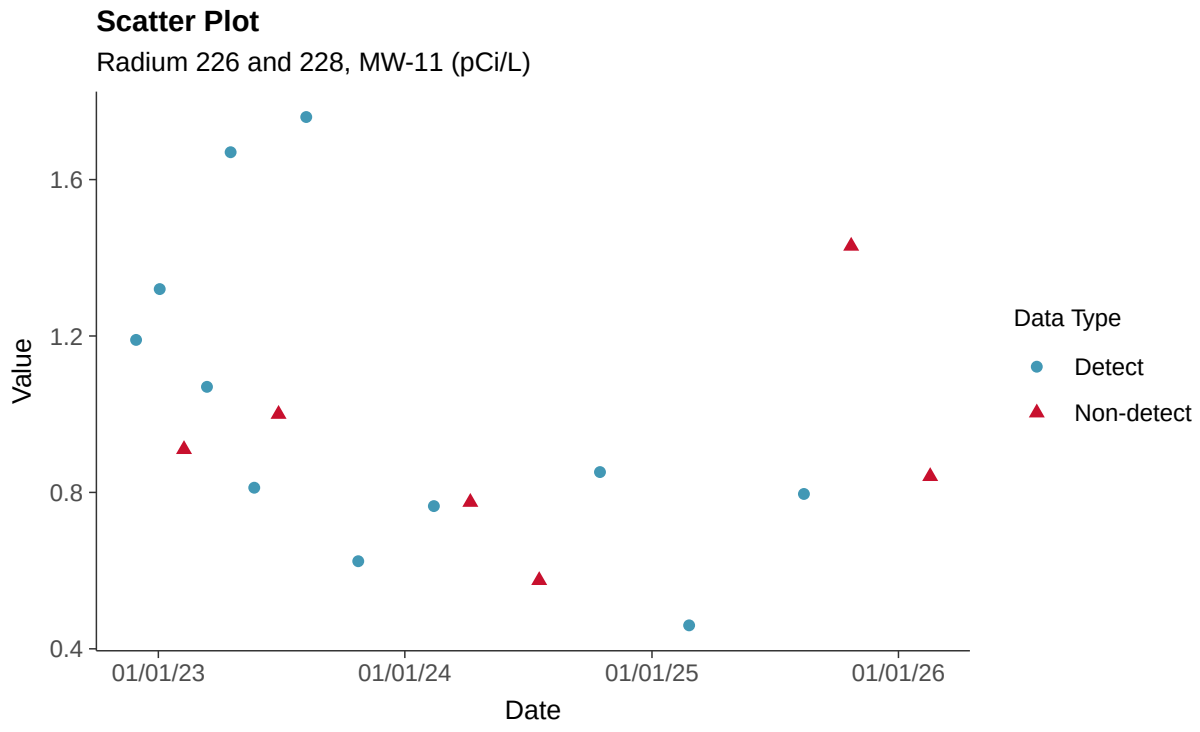
Trend Regression: Piecewise Linear-Linear-Linear

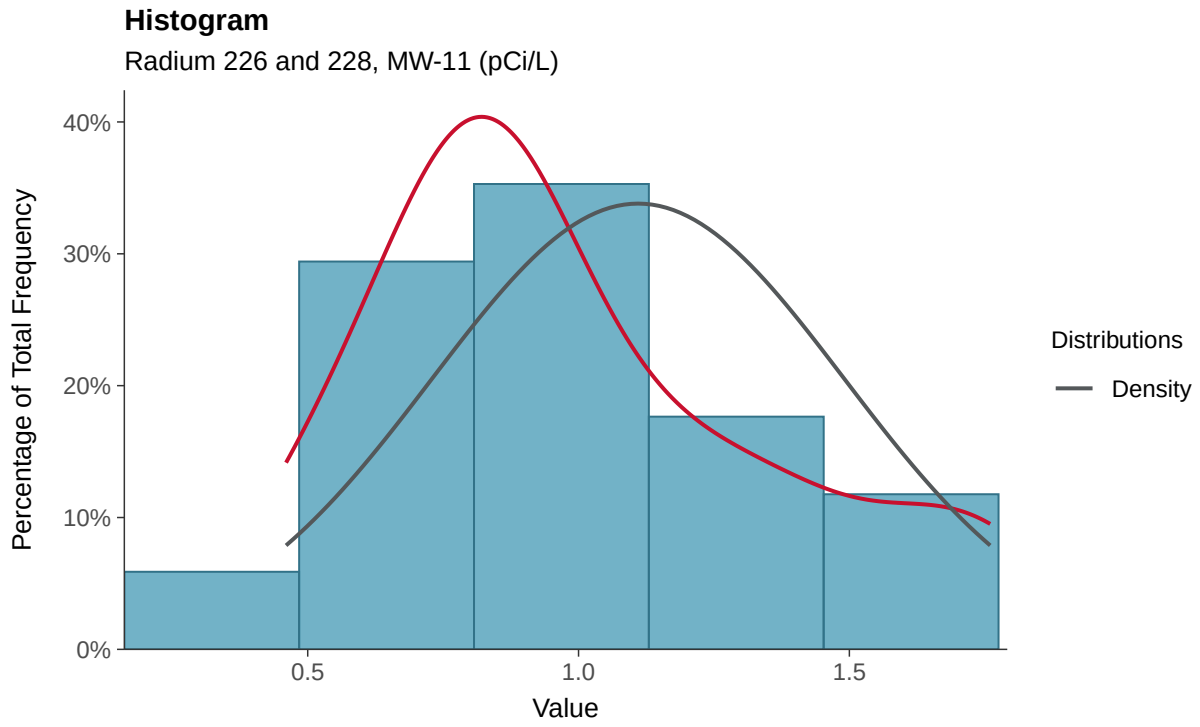
Molybdenum, MW-11 (mg/L)



Appendix IV: Radium 226 and 228, MW-11

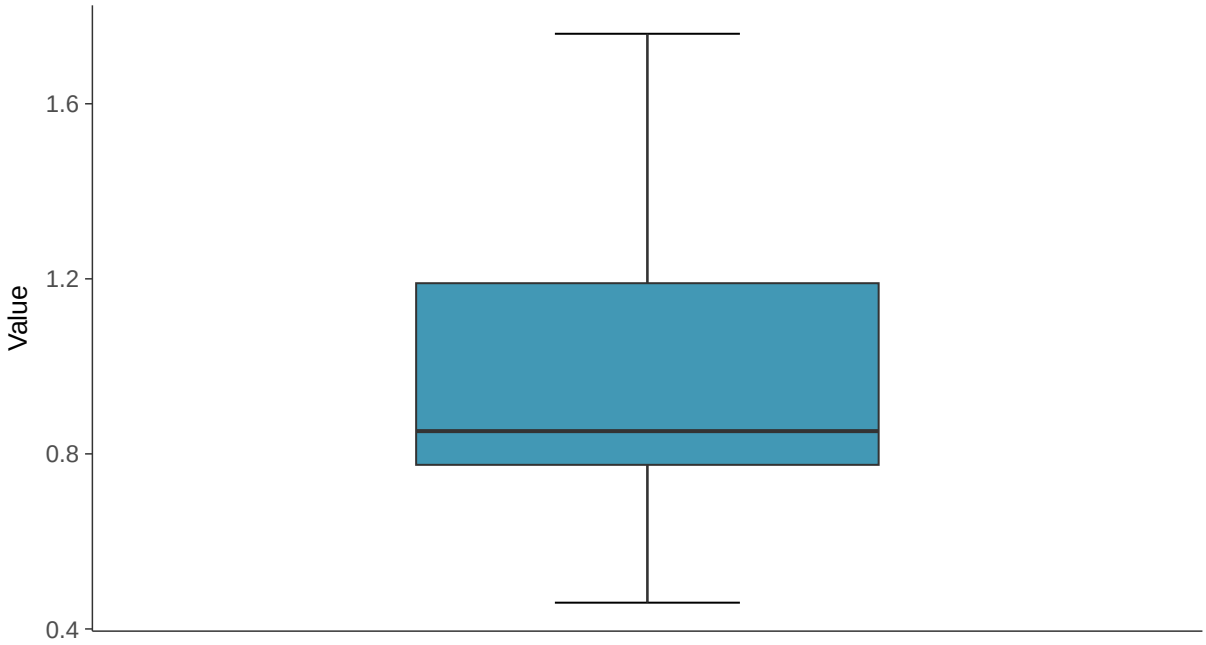
ID: 21_2_4_121





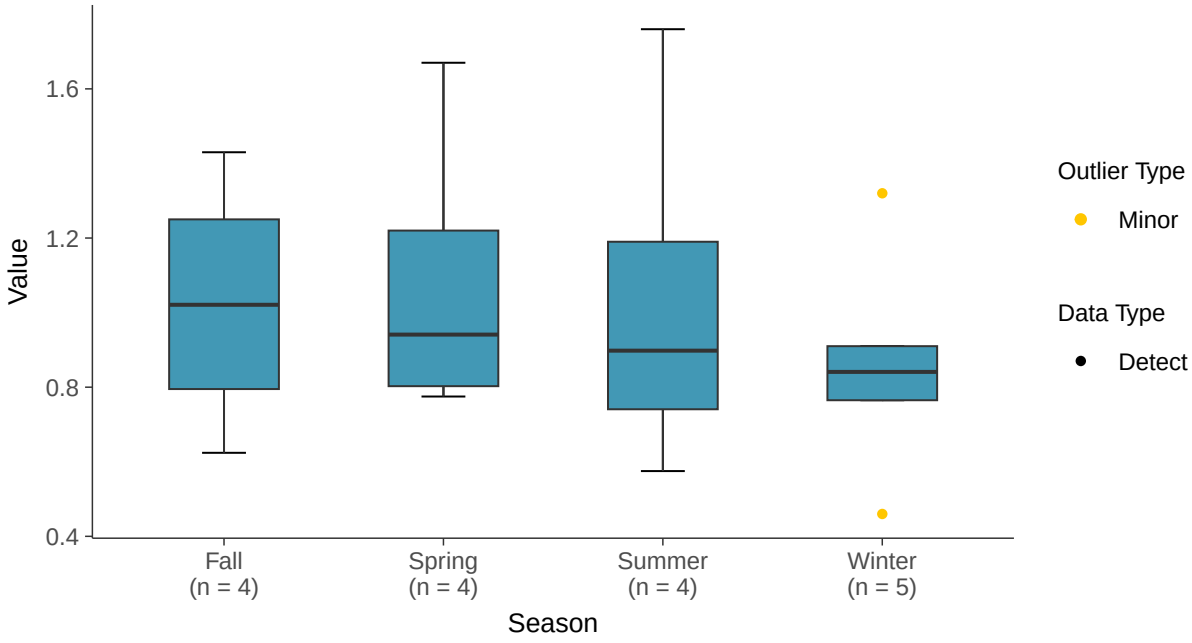
Boxplot

Radium 226 and 228, MW-11 (pCi/L)



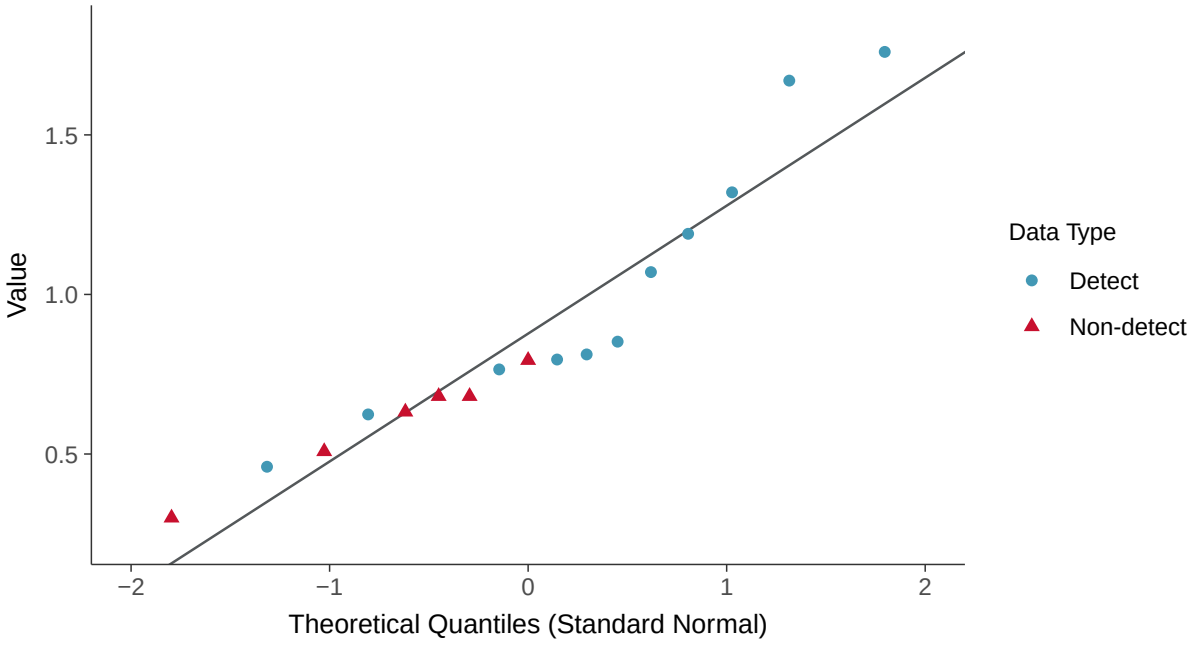
Boxplot by Season

Radium 226 and 228, MW-11 (pCi/L)



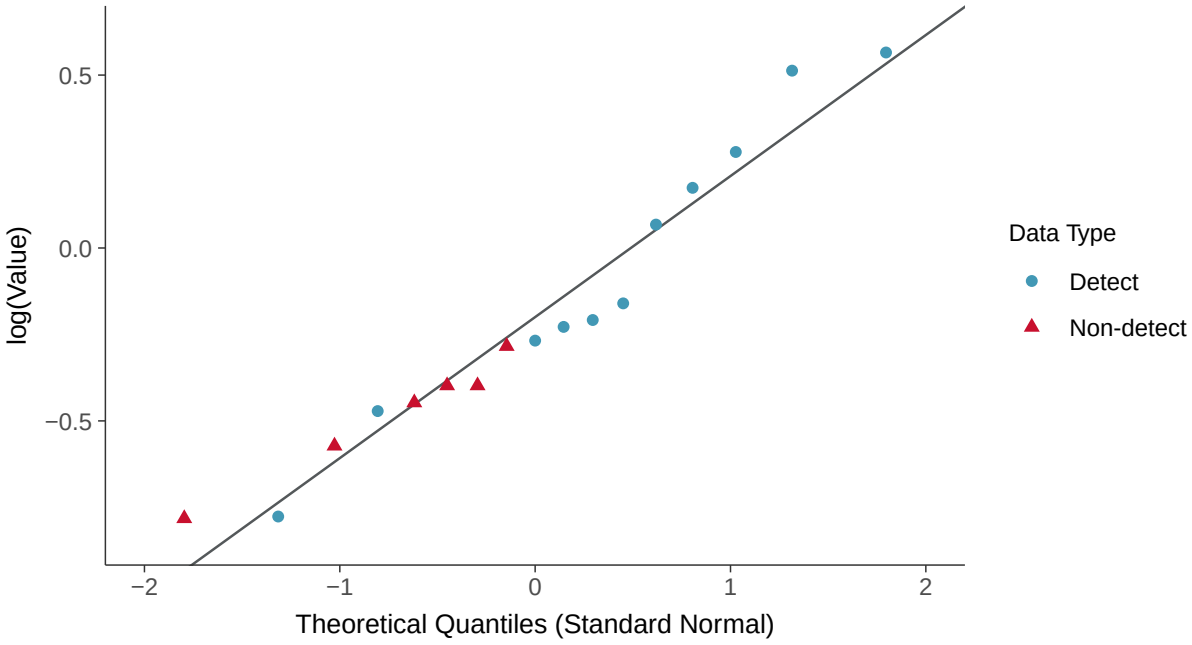
Normal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-11 (pCi/L)



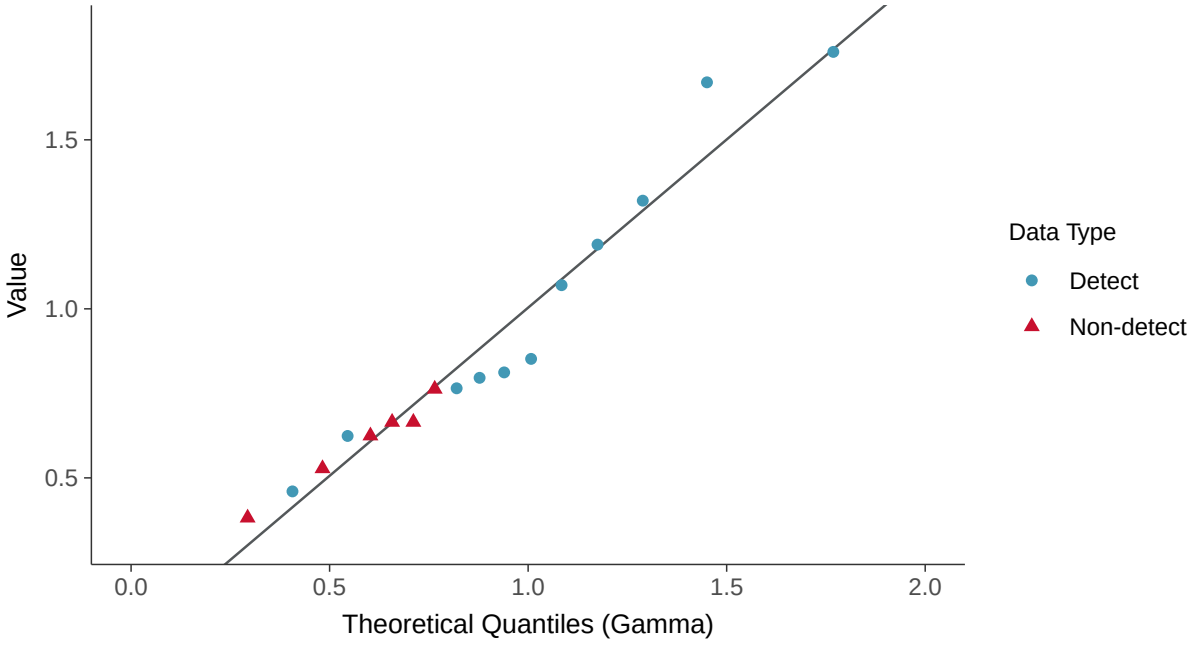
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-11 (pCi/L)



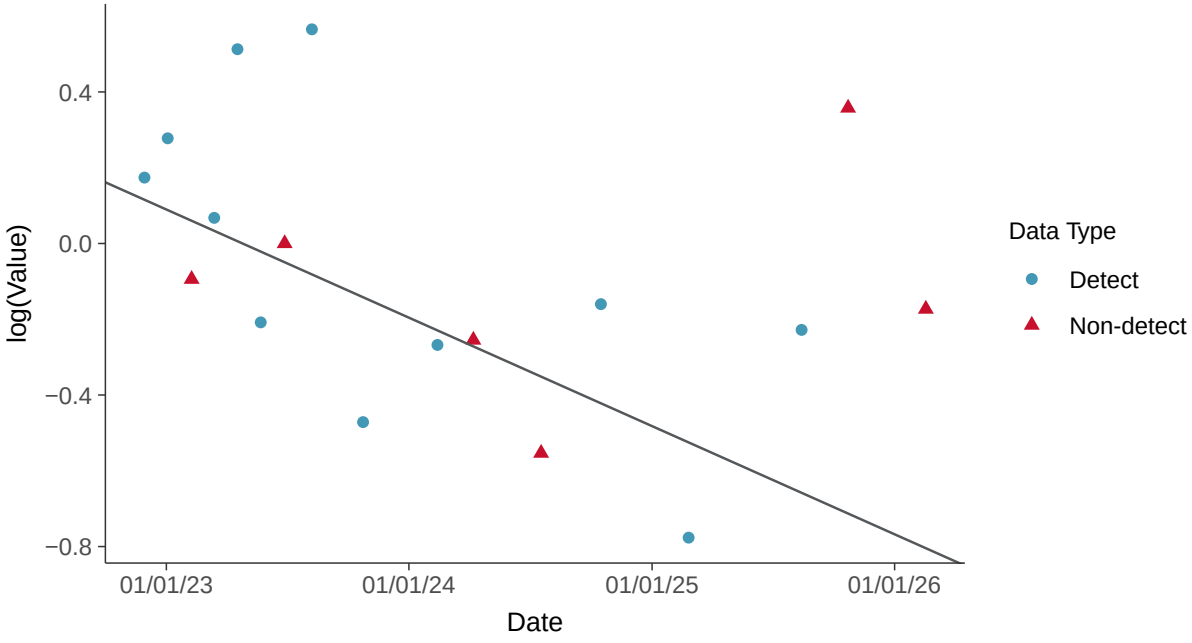
Gamma Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-11 (pCi/L)



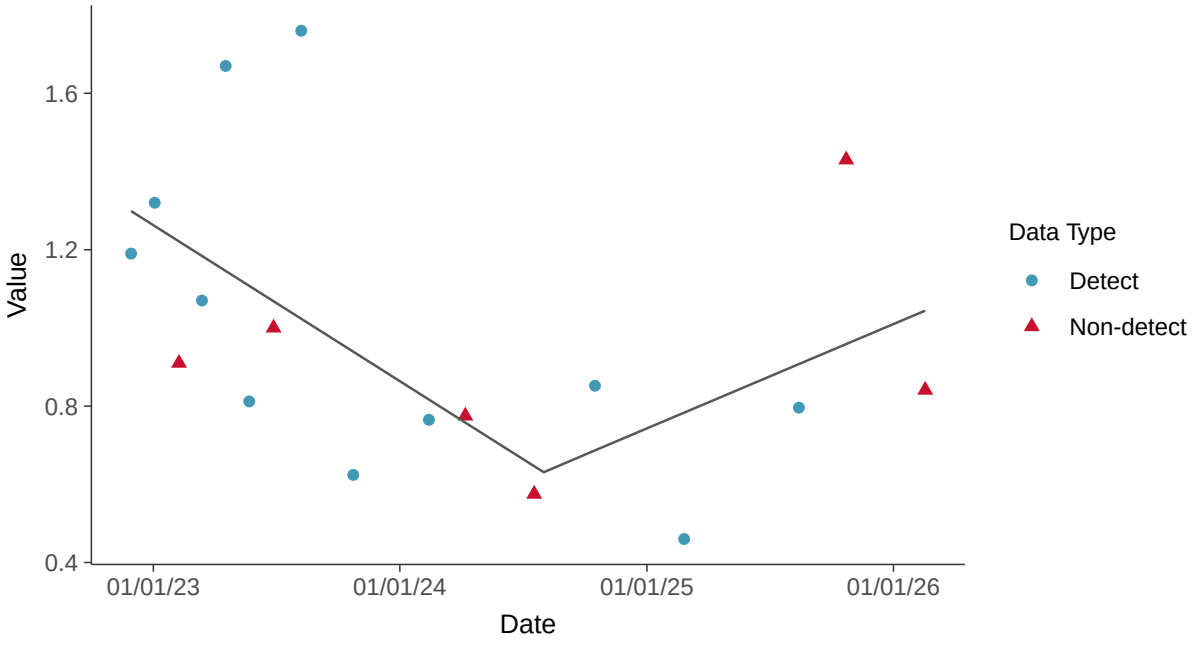
Trend Regression: Lognormal MLE

Radium 226 and 228, MW-11 (pCi/L)



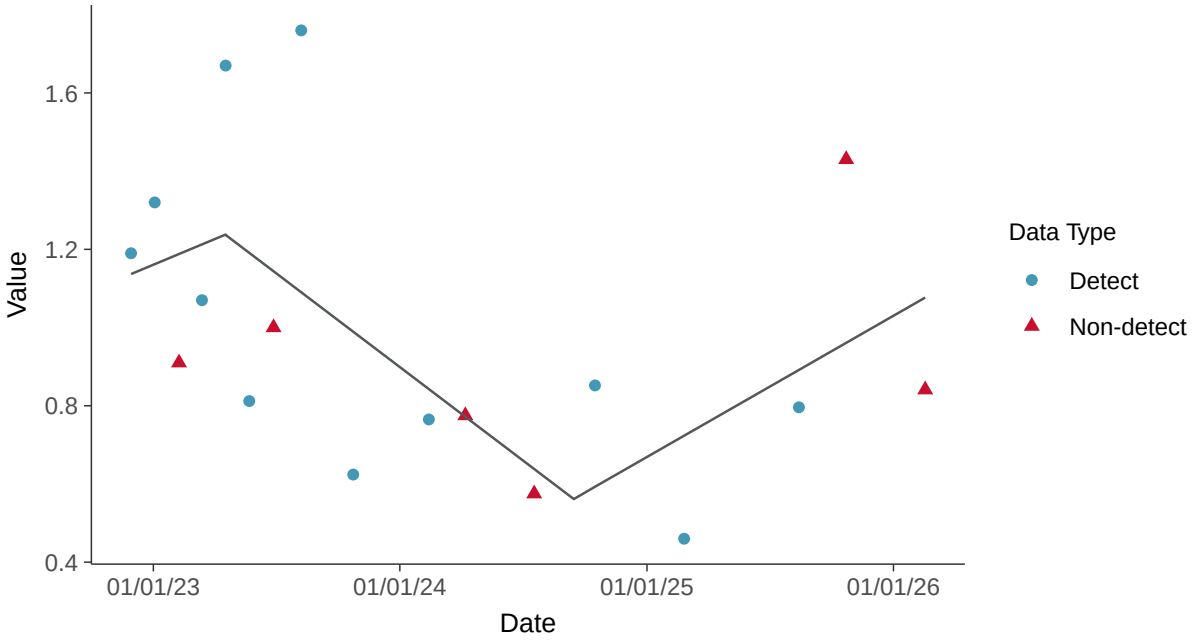
Trend Regression: Piecewise Linear-Linear

Radium 226 and 228, MW-11 (pCi/L)



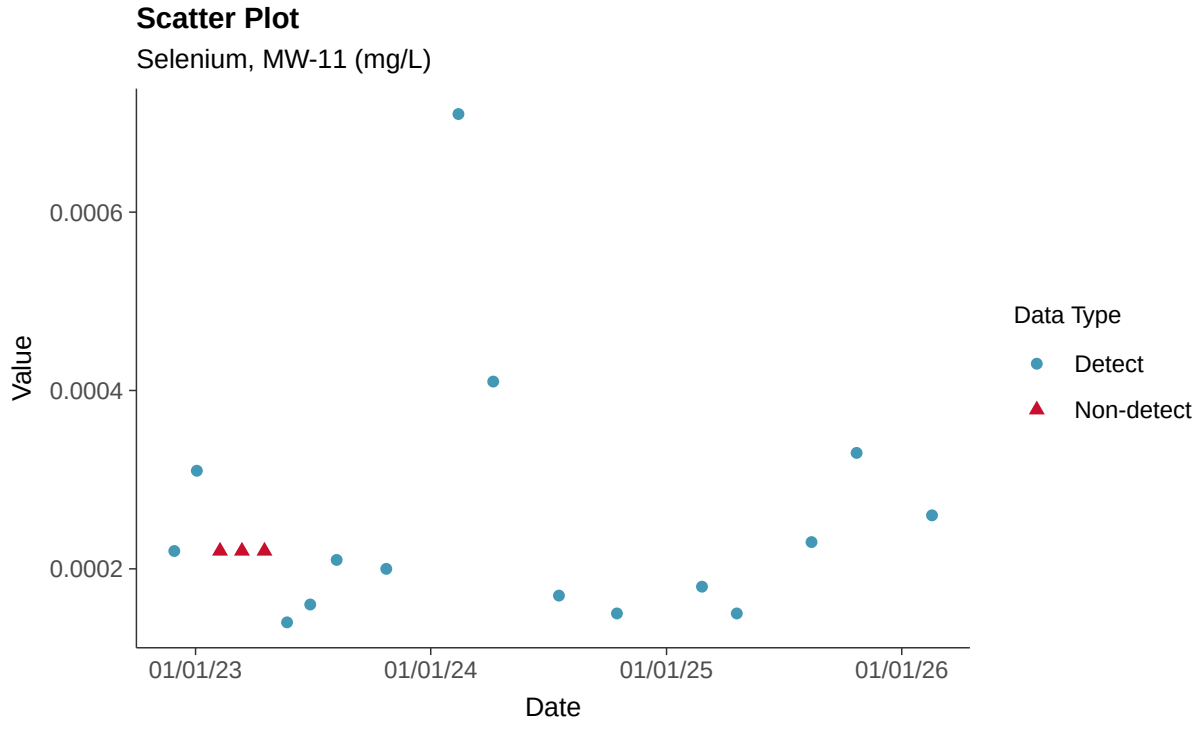
Trend Regression: Piecewise Linear-Linear-Linear

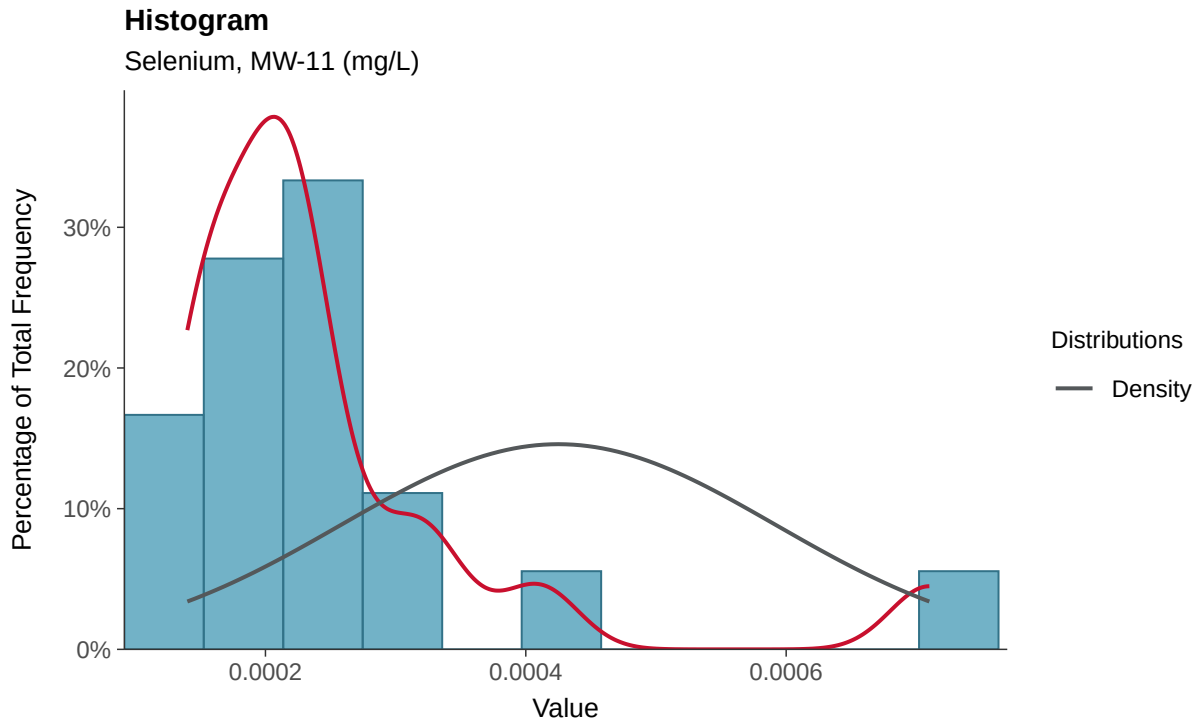
Radium 226 and 228, MW-11 (pCi/L)



Appendix IV: Selenium, MW-11

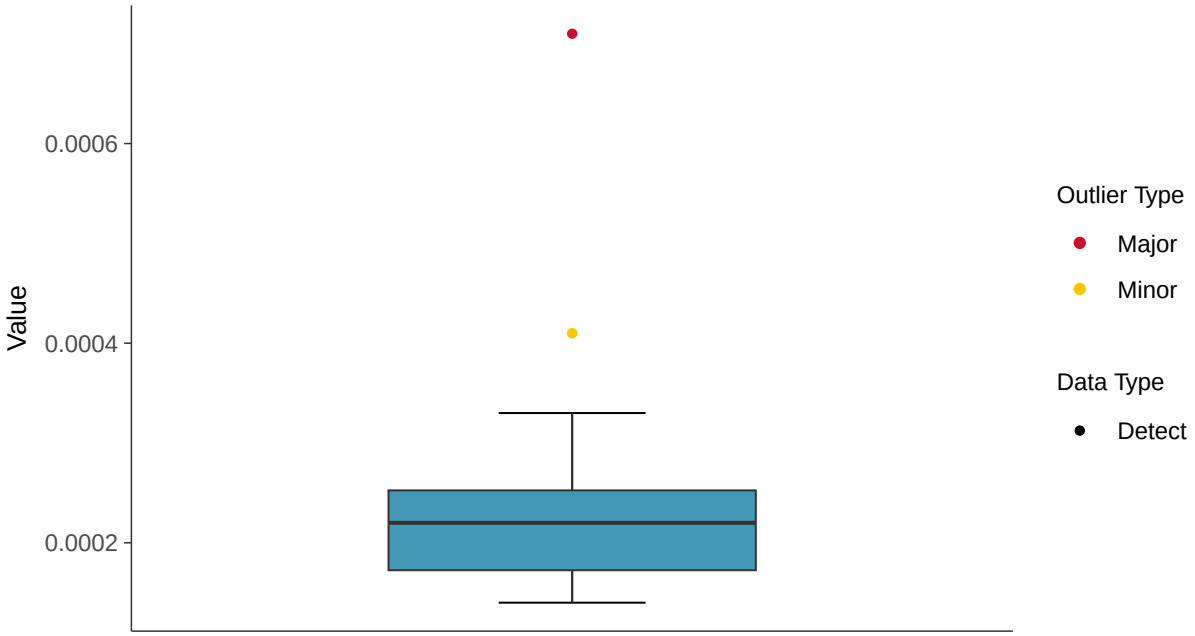
ID: 21_2_4_122





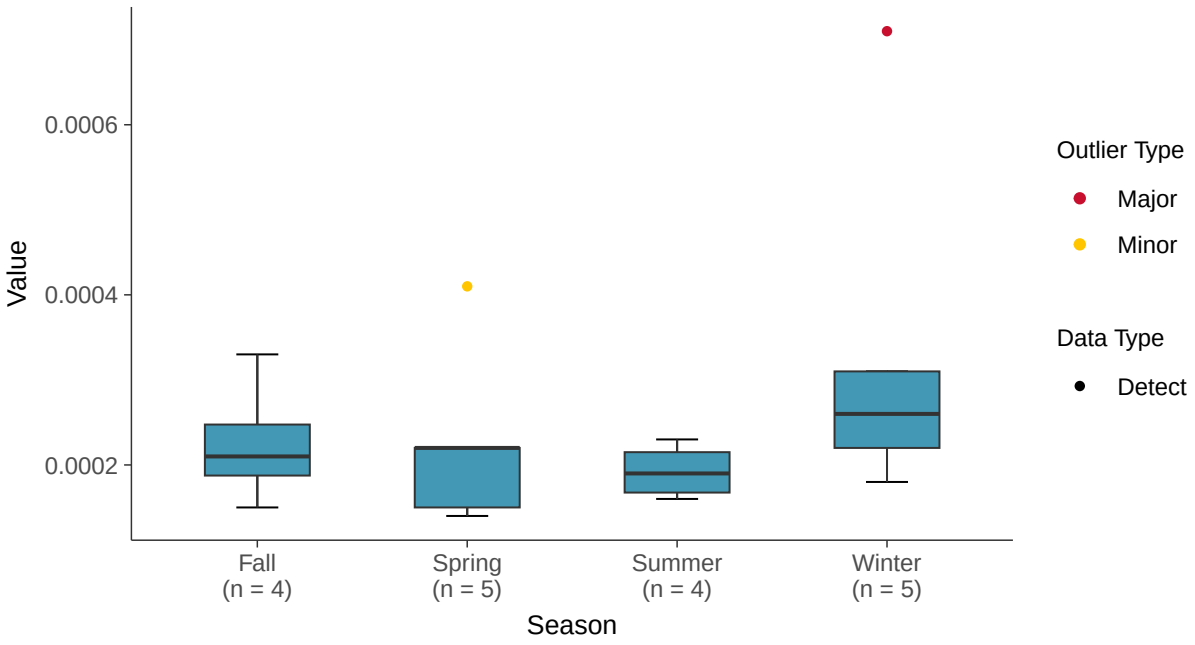
Boxplot

Selenium, MW-11 (mg/L)



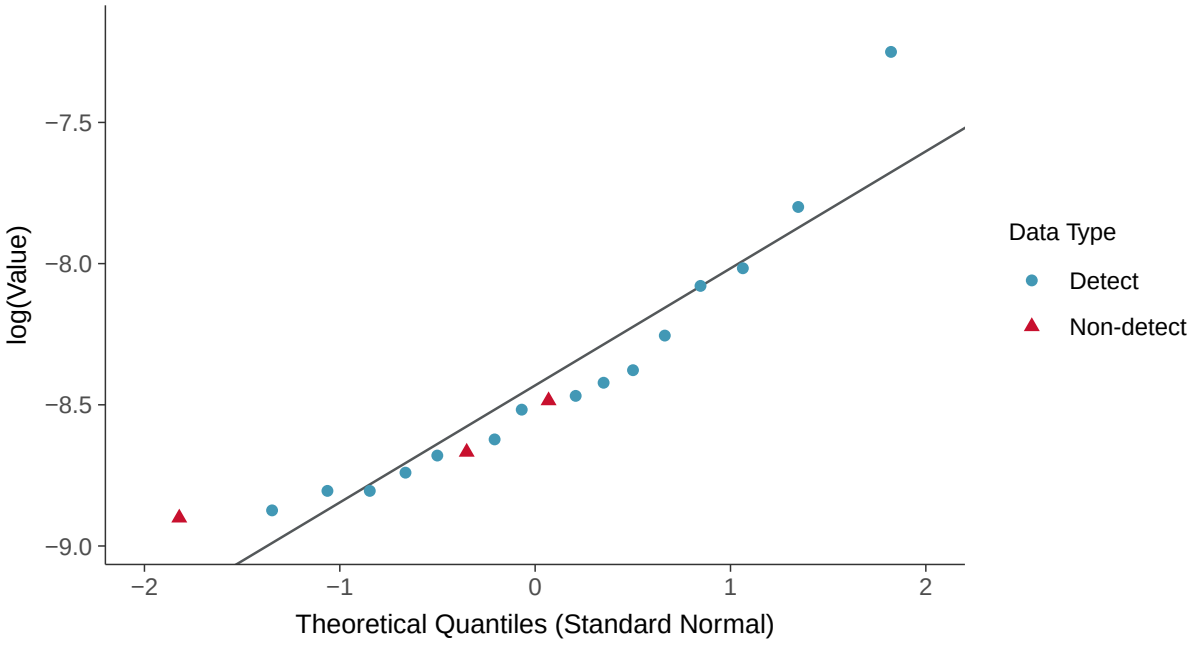
Boxplot by Season

Selenium, MW-11 (mg/L)



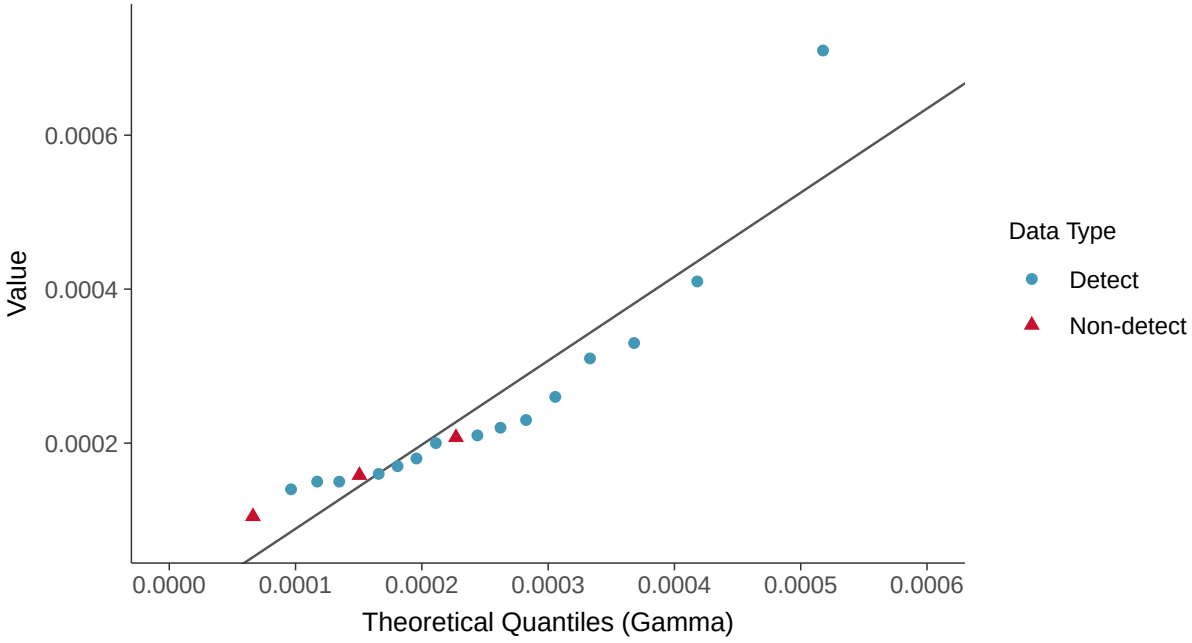
Lognormal Q-Q plot using ROS Imputed Estimates

Selenium, MW-11 (mg/L)



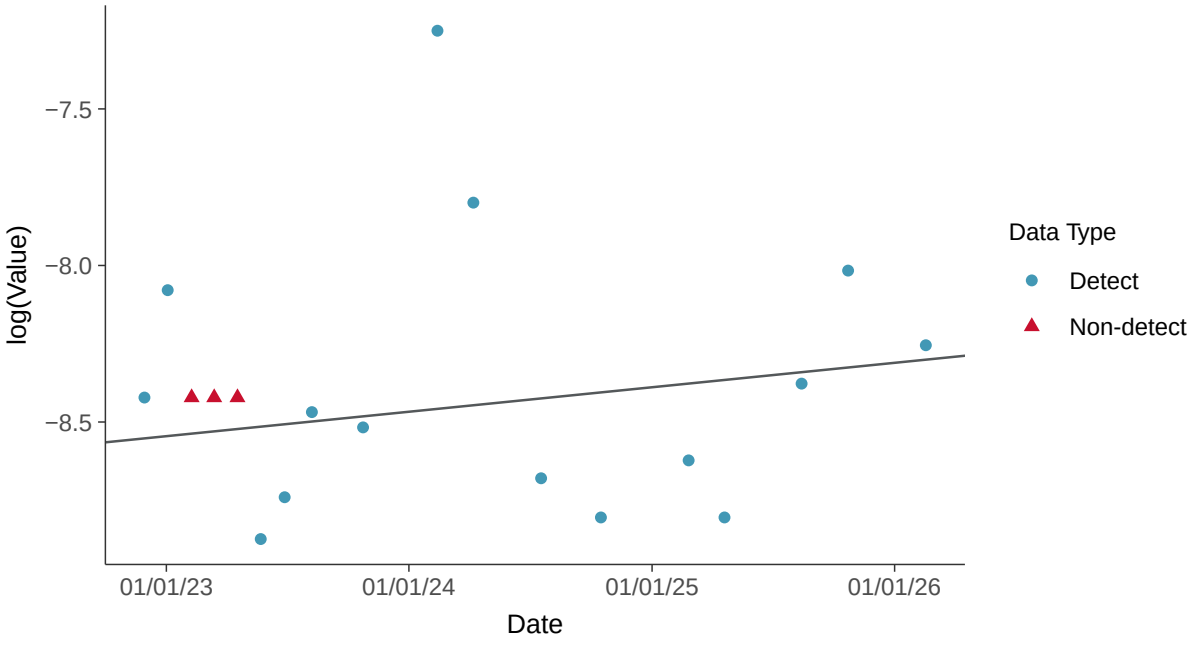
Gamma Q-Q plot using ROS Imputed Estimates

Selenium, MW-11 (mg/L)



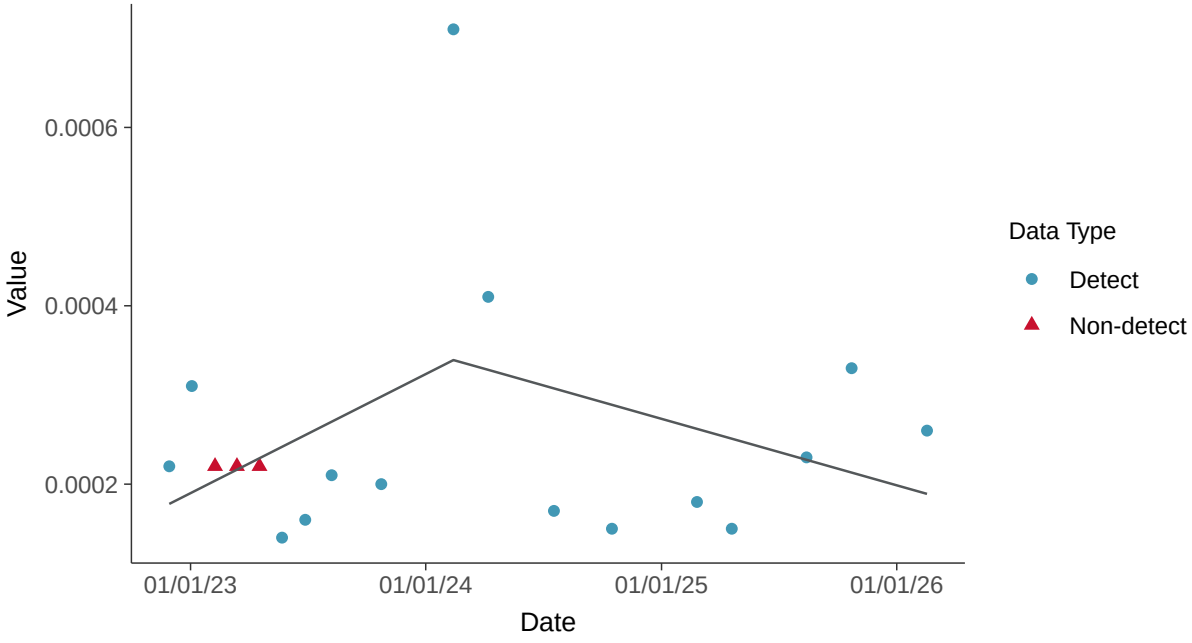
Trend Regression: Lognormal MLE

Selenium, MW-11 (mg/L)



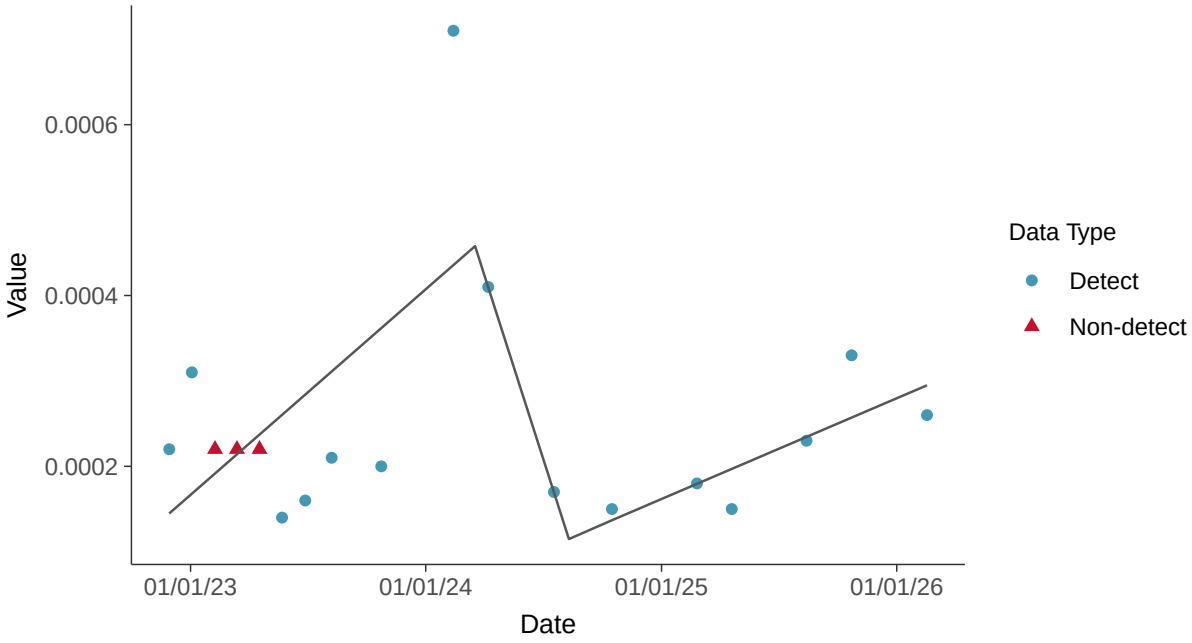
Trend Regression: Piecewise Linear-Linear

Selenium, MW-11 (mg/L)



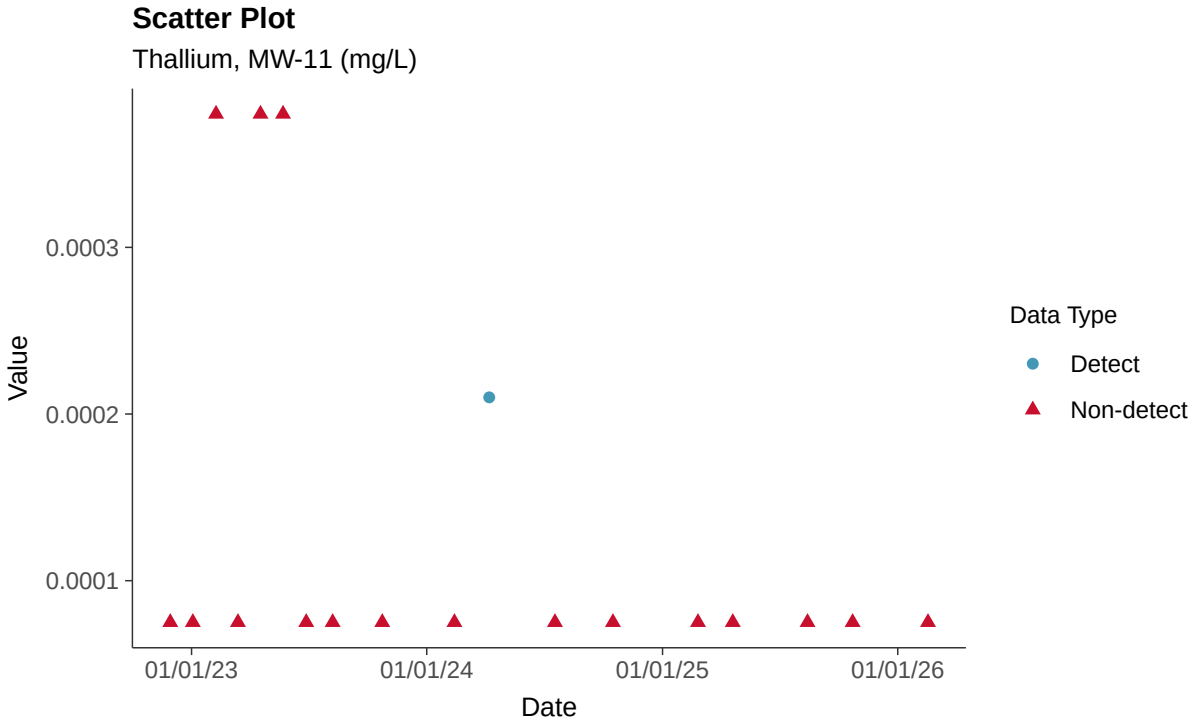
Trend Regression: Piecewise Linear-Linear-Linear

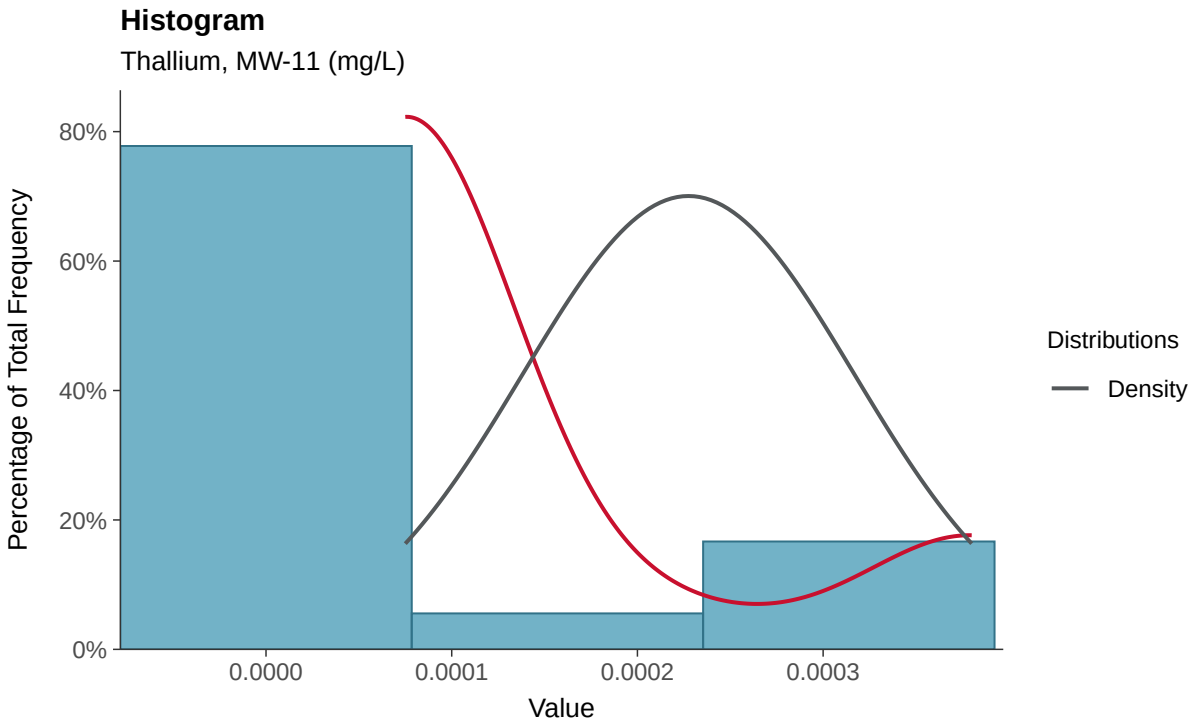
Selenium, MW-11 (mg/L)



Appendix IV: Thallium, MW-11

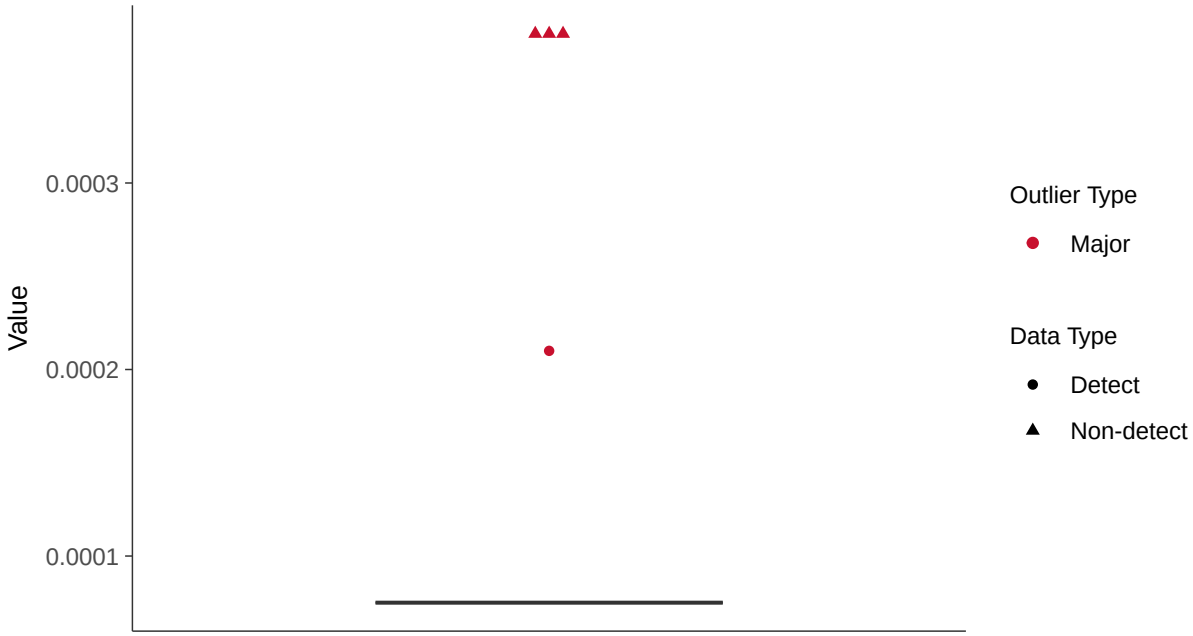
ID: 21_2_4_125





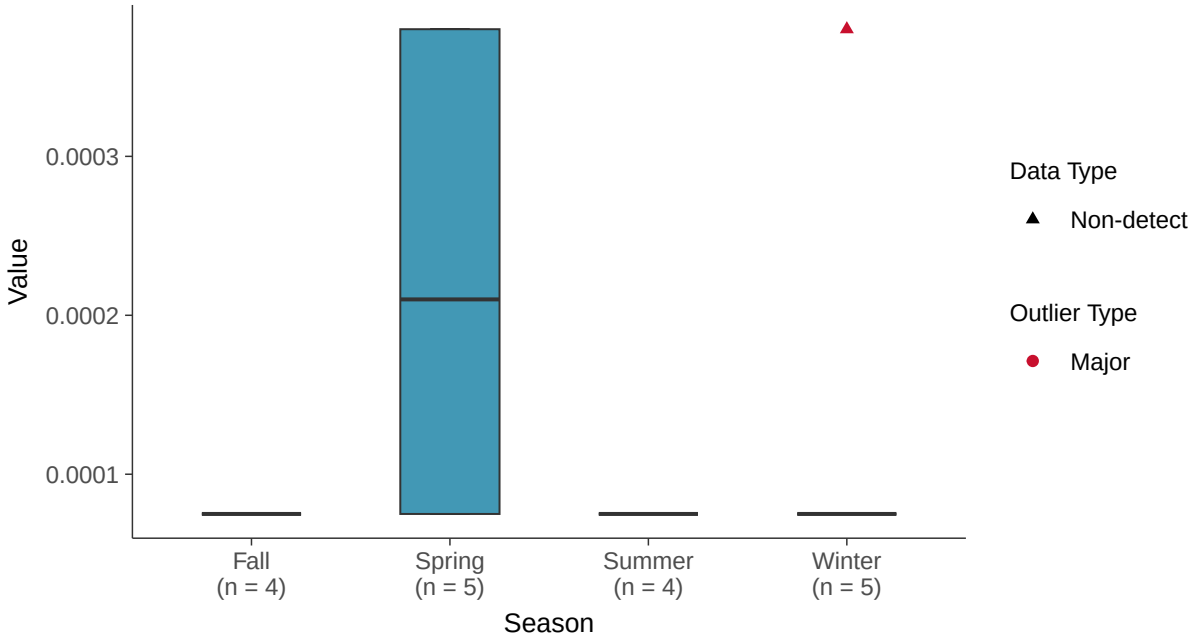
Boxplot

Thallium, MW-11 (mg/L)



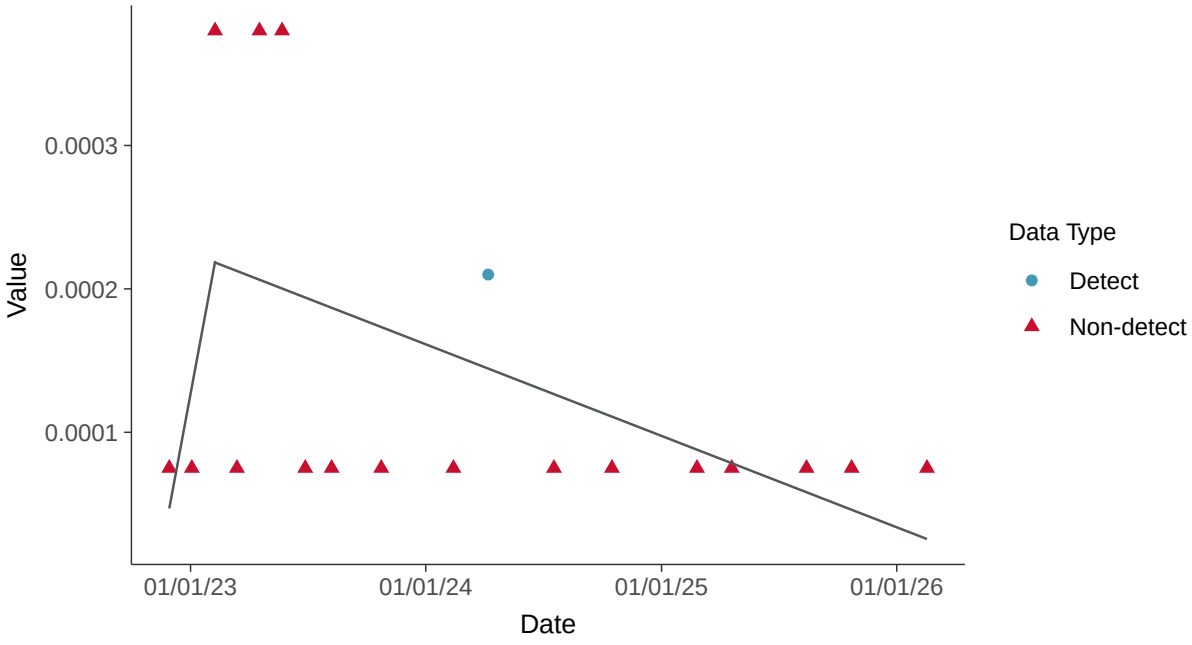
Boxplot by Season

Thallium, MW-11 (mg/L)



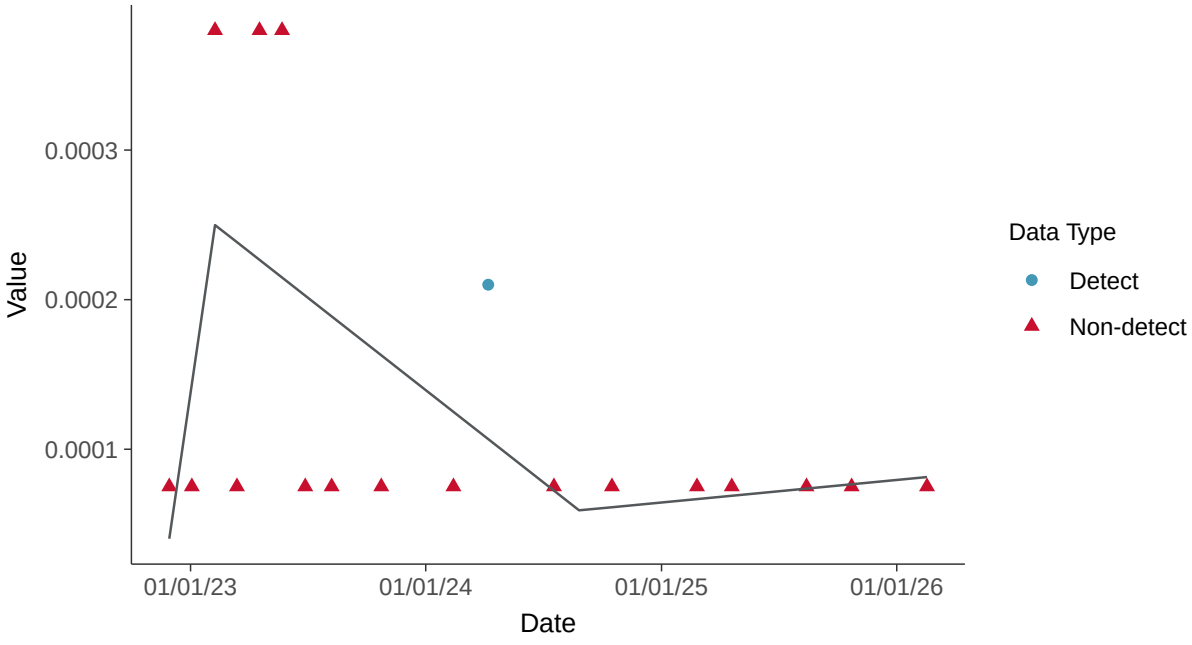
Trend Regression: Piecewise Linear-Linear

Thallium, MW-11 (mg/L)



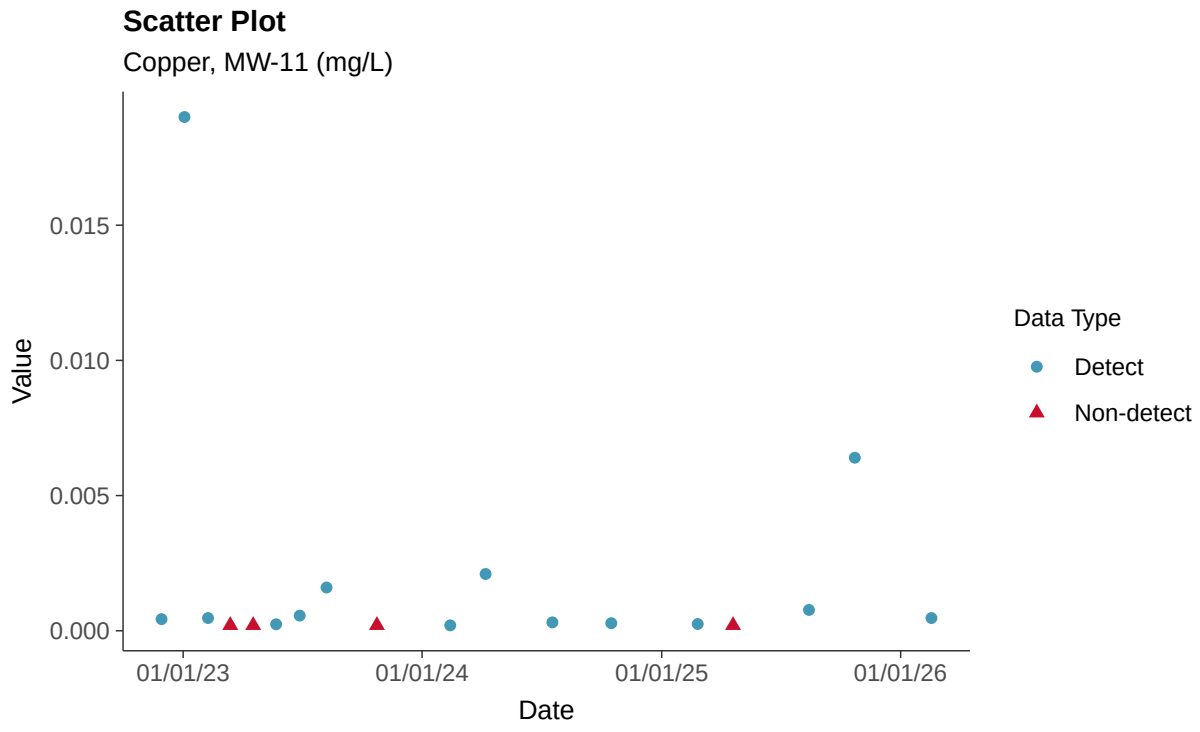
Trend Regression: Piecewise Linear-Linear-Linear

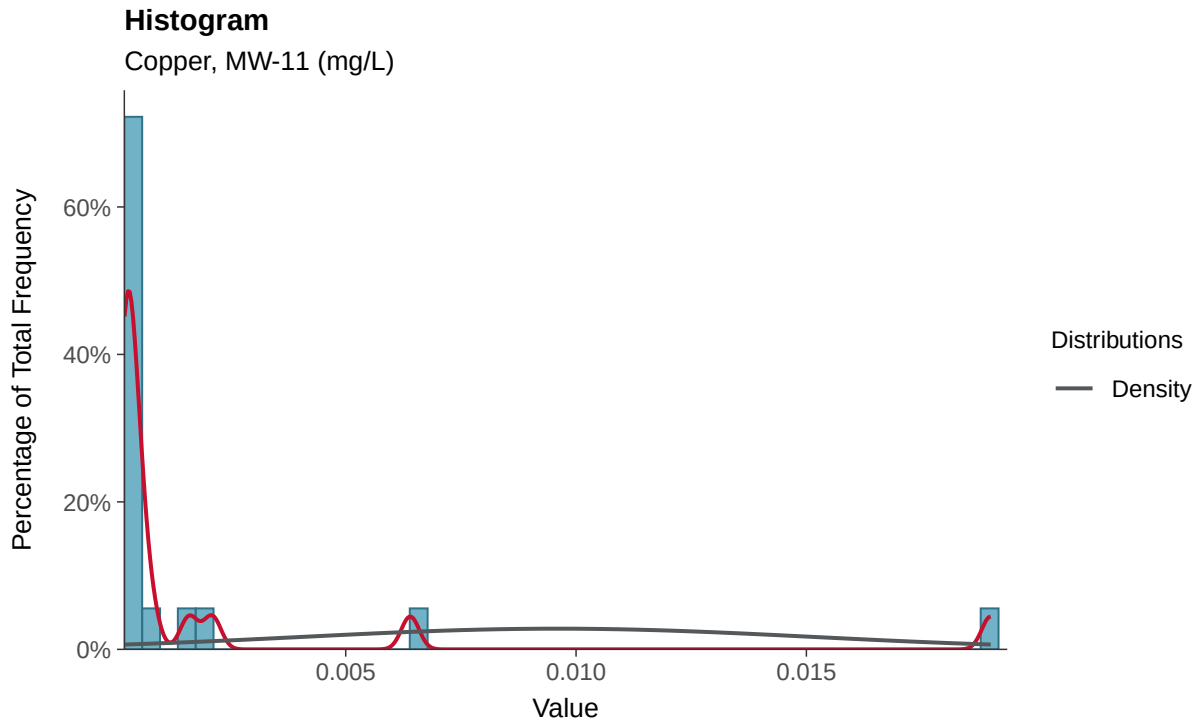
Thallium, MW-11 (mg/L)



Part 115: Copper, MW-11

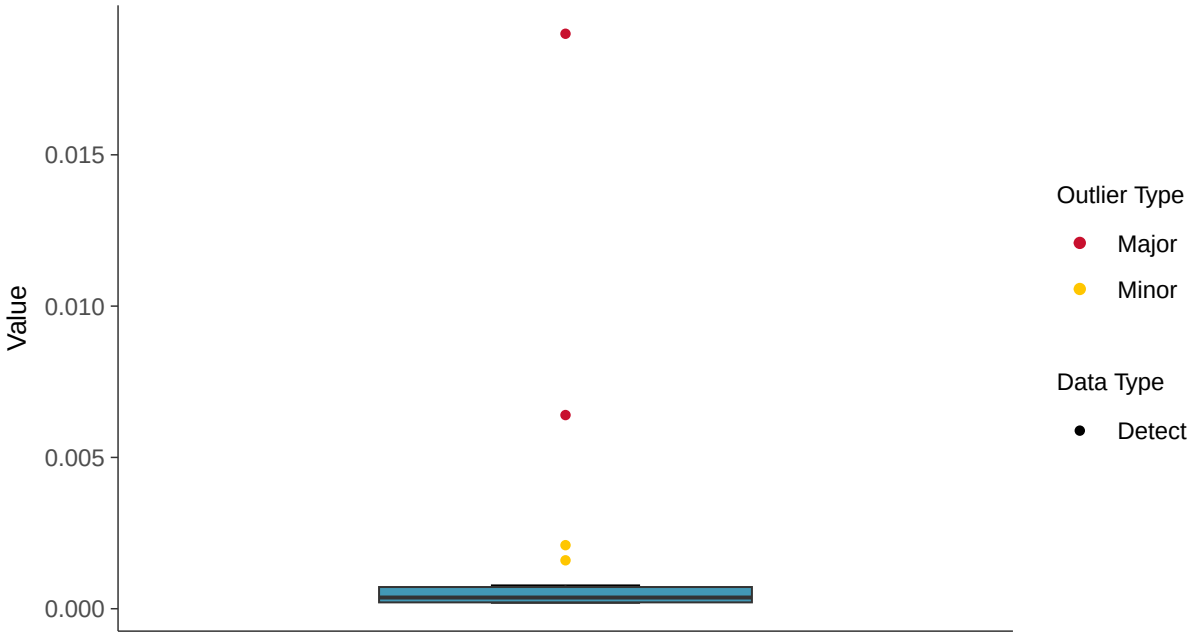
ID: 21_2_5_111





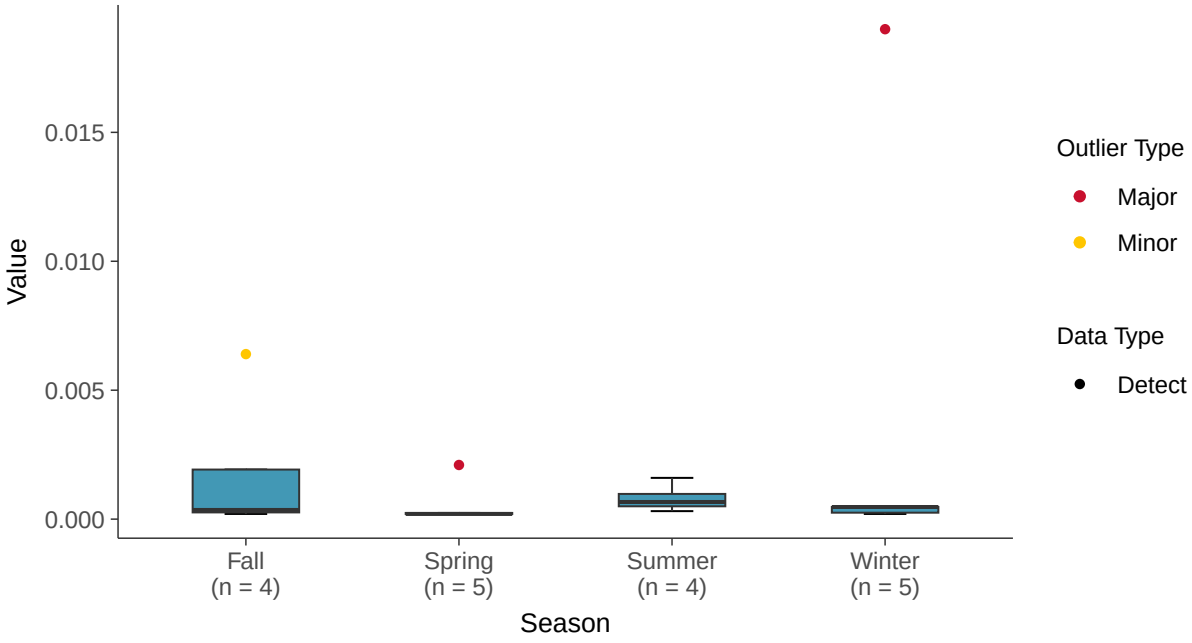
Boxplot

Copper, MW-11 (mg/L)



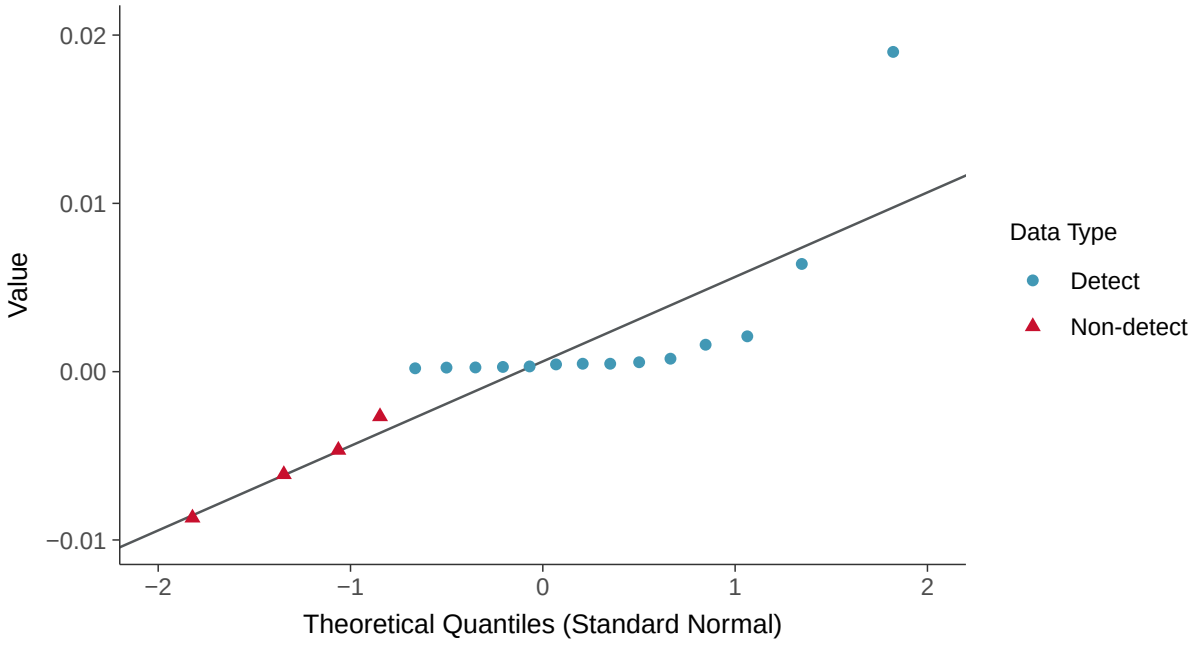
Boxplot by Season

Copper, MW-11 (mg/L)



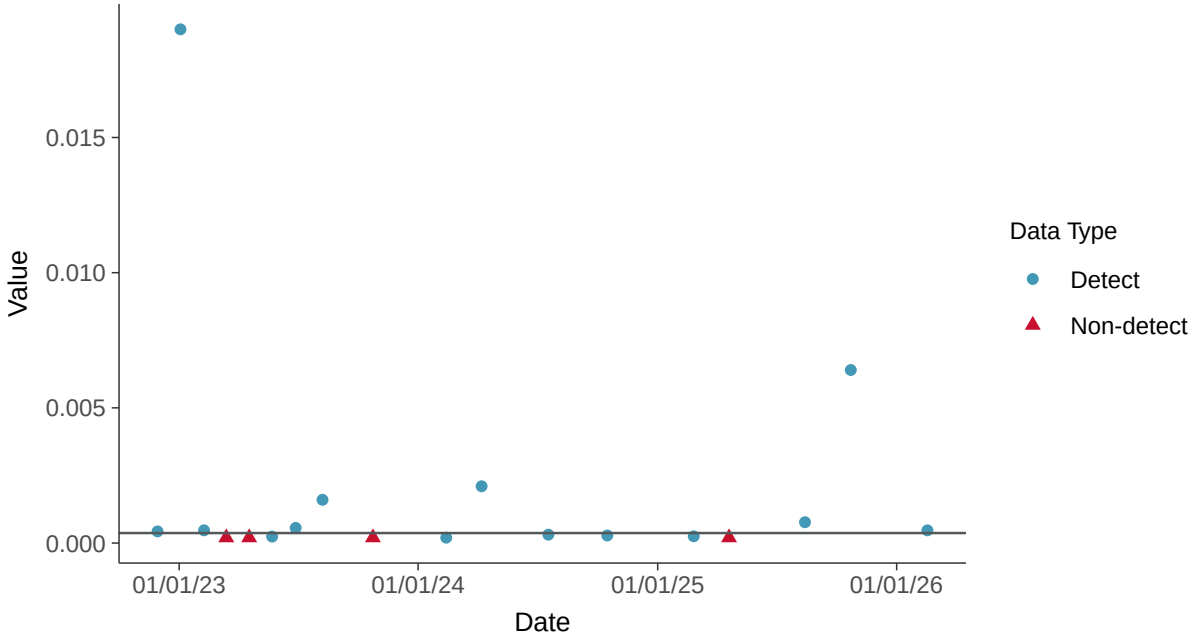
Normal Q-Q plot using ROS Imputed Estimates

Copper, MW-11 (mg/L)



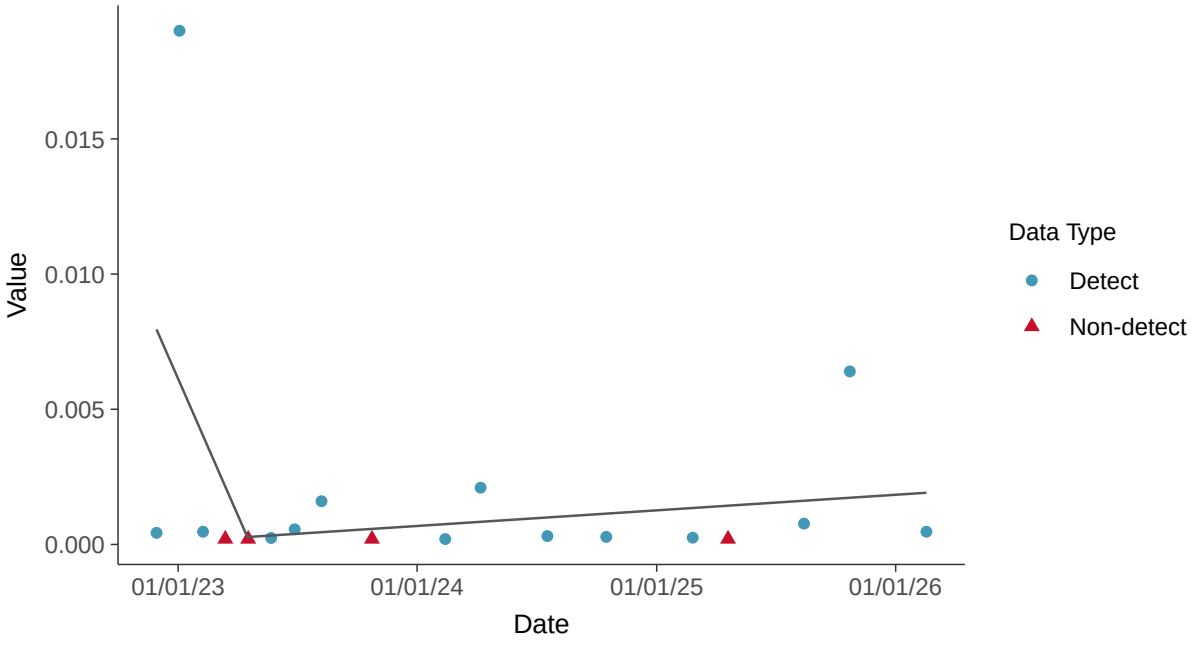
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Copper, MW-11 (mg/L)



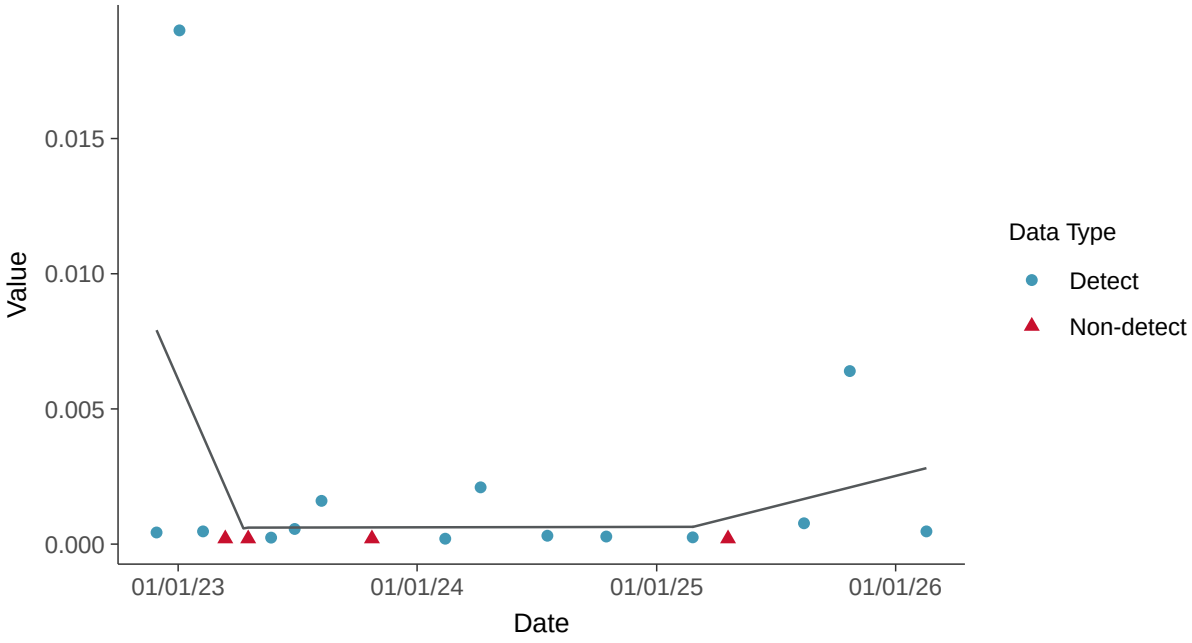
Trend Regression: Piecewise Linear-Linear

Copper, MW-11 (mg/L)



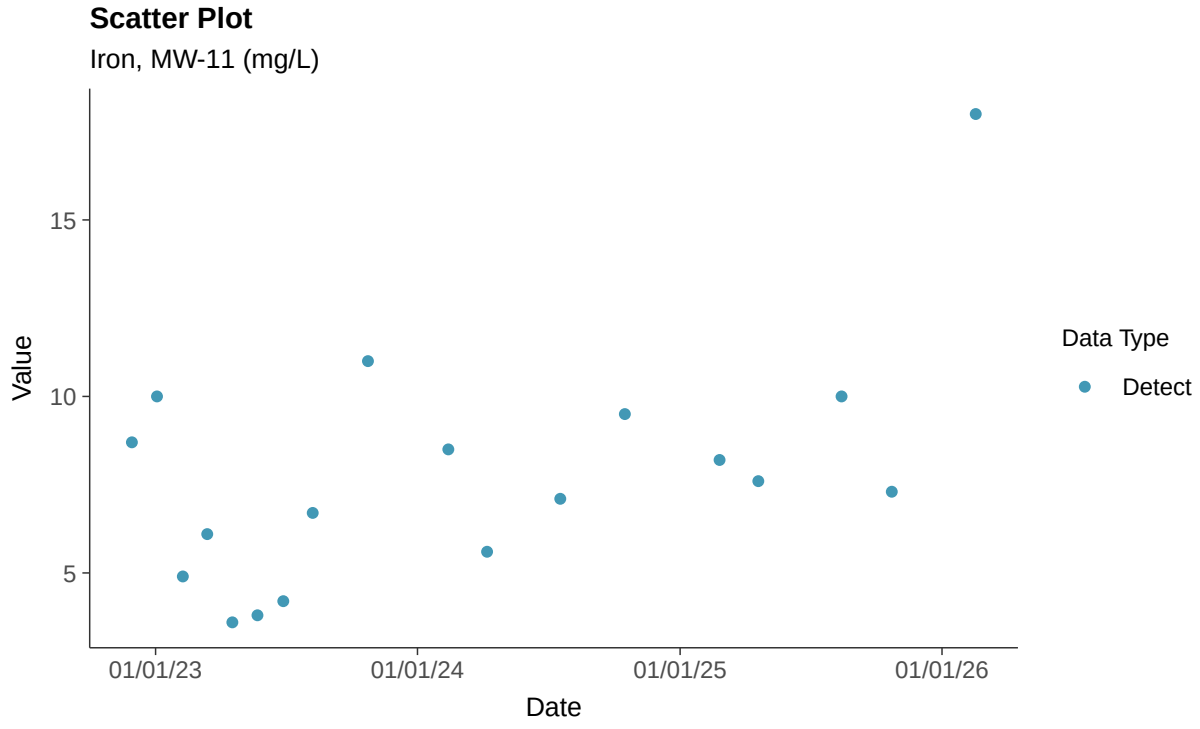
Trend Regression: Piecewise Linear-Linear-Linear

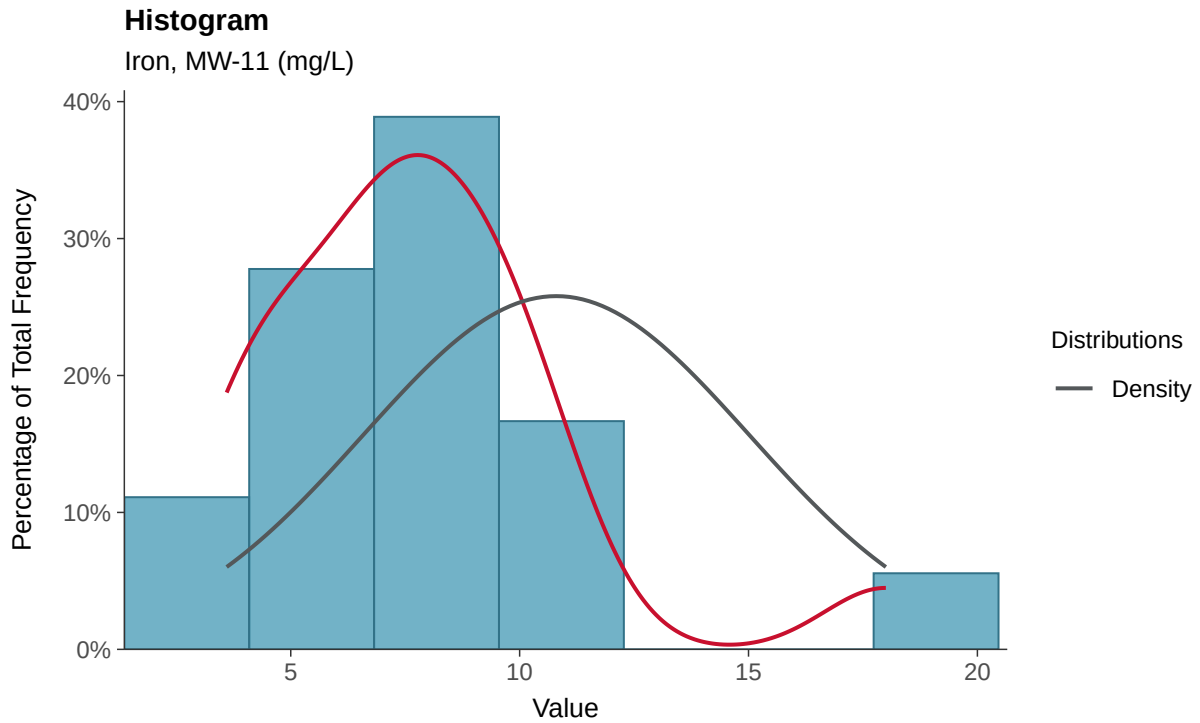
Copper, MW-11 (mg/L)



Part 115: Iron, MW-11

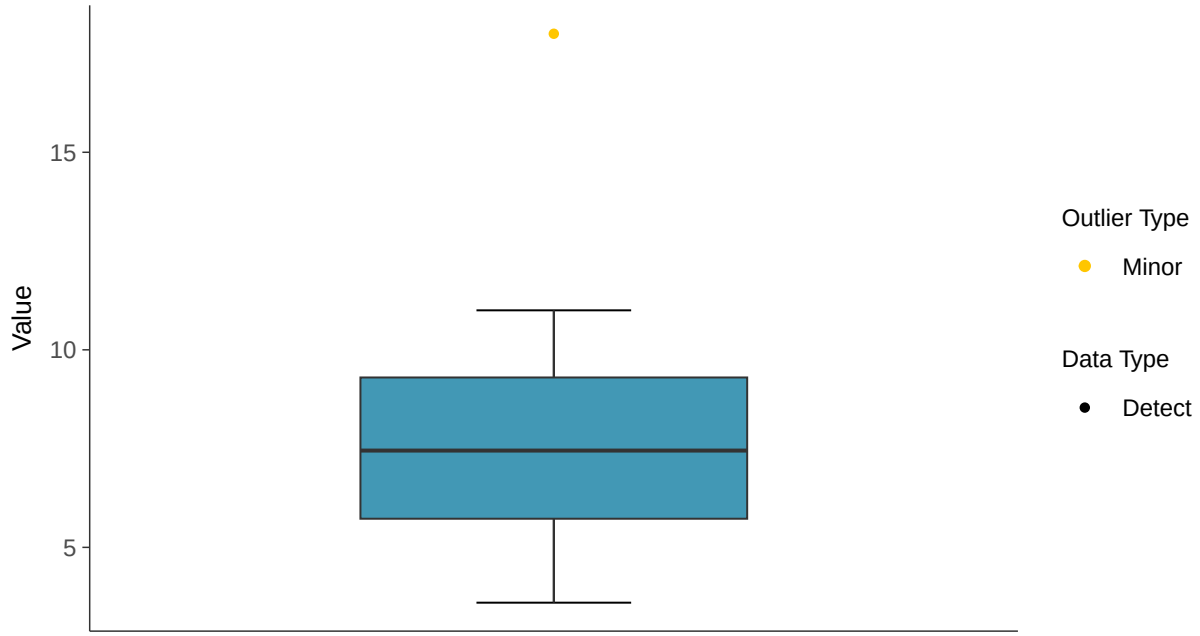
ID: 21_2_5_114





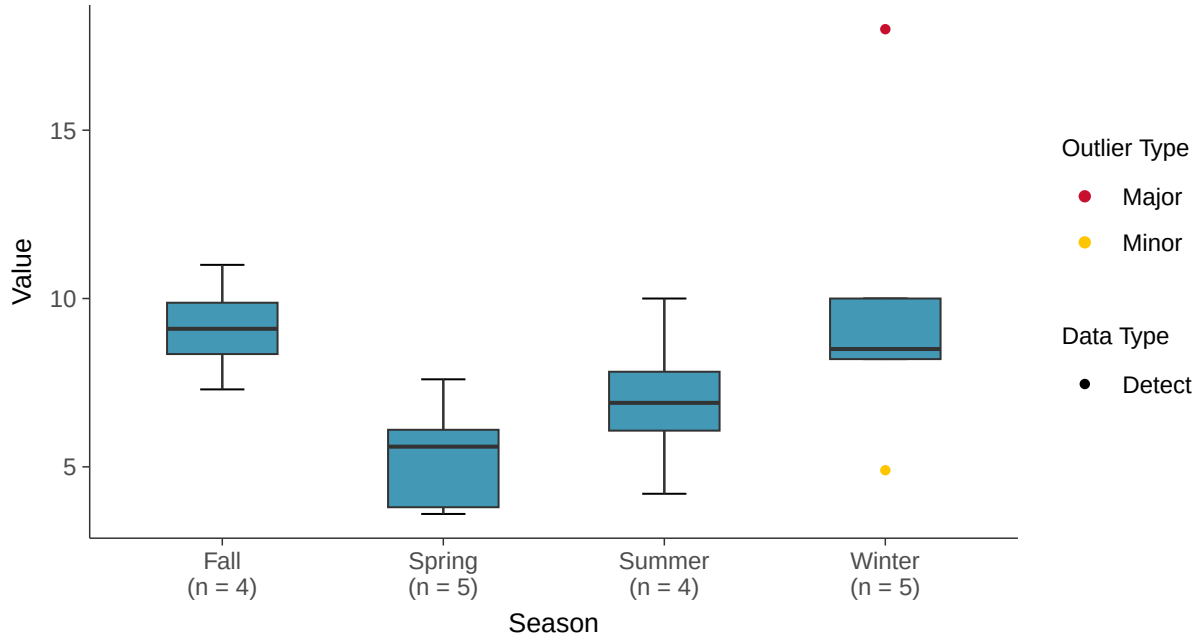
Boxplot

Iron, MW-11 (mg/L)



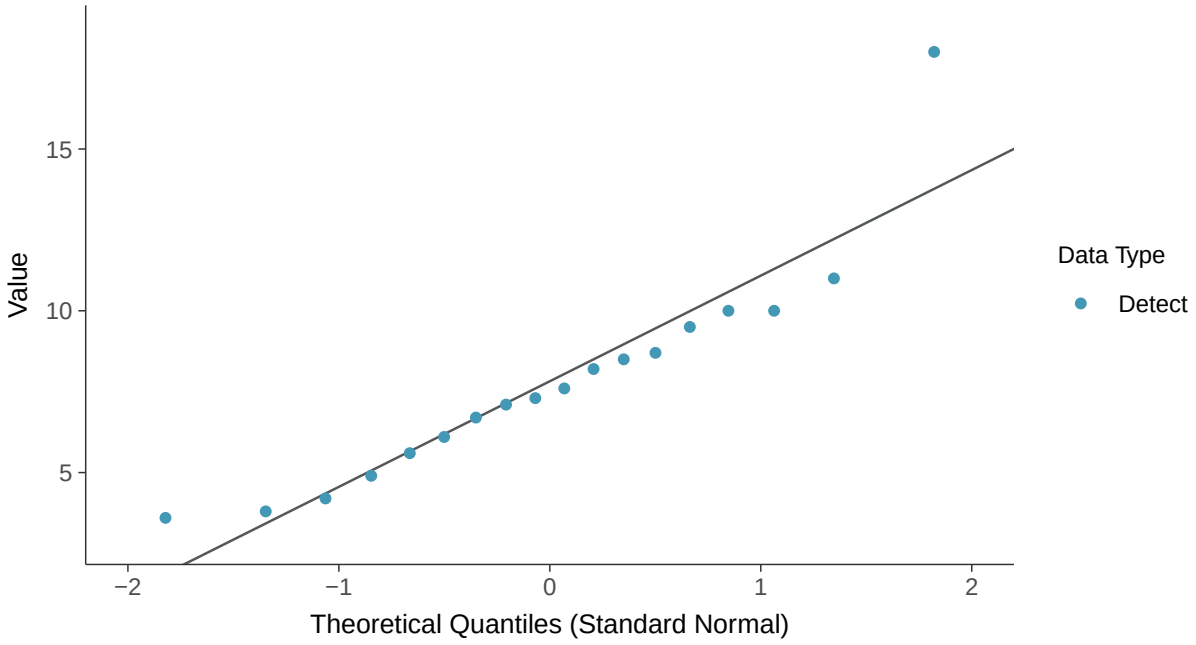
Boxplot by Season

Iron, MW-11 (mg/L)



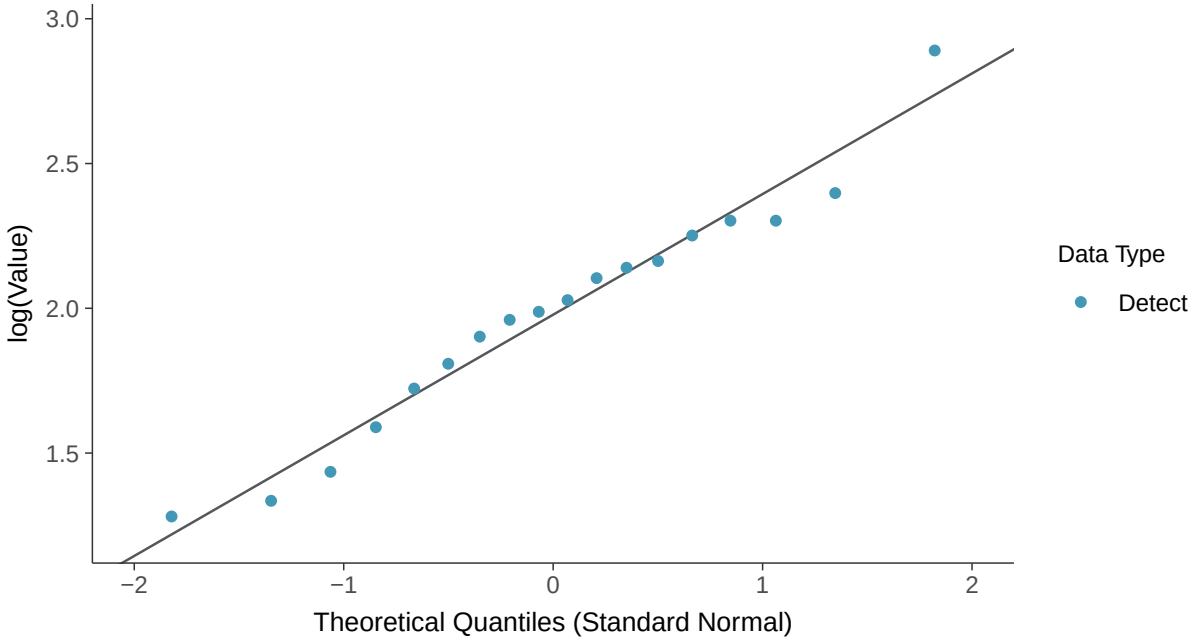
Normal Q-Q plot

Iron, MW-11 (mg/L)



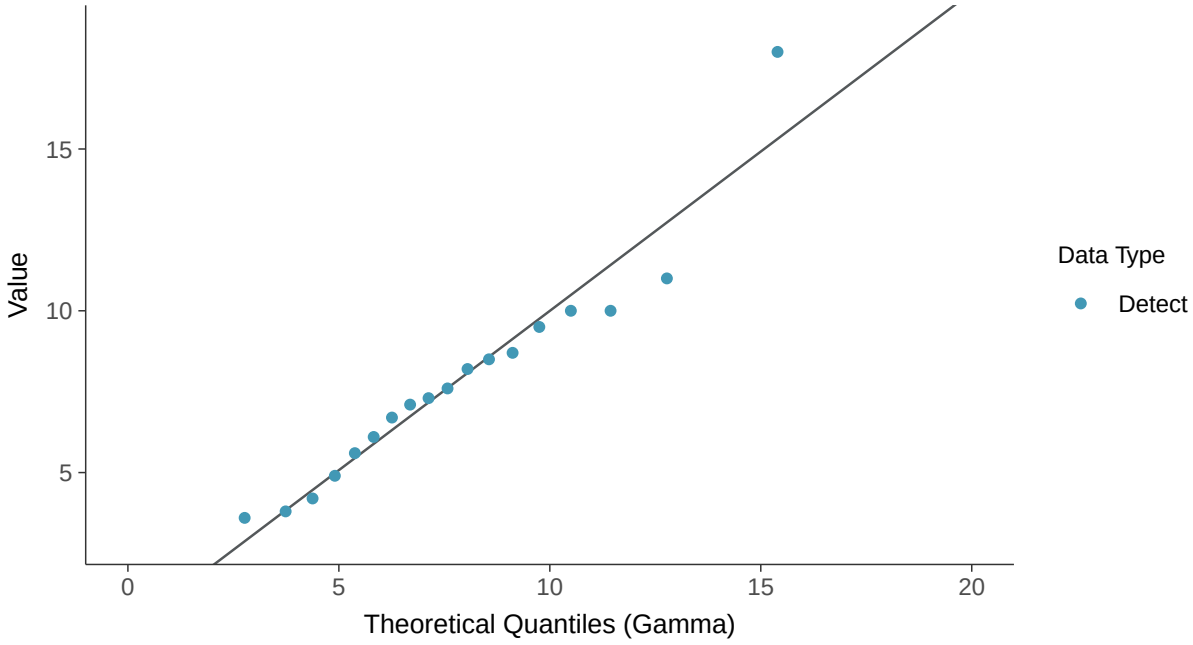
Lognormal Q-Q plot

Iron, MW-11 (mg/L)



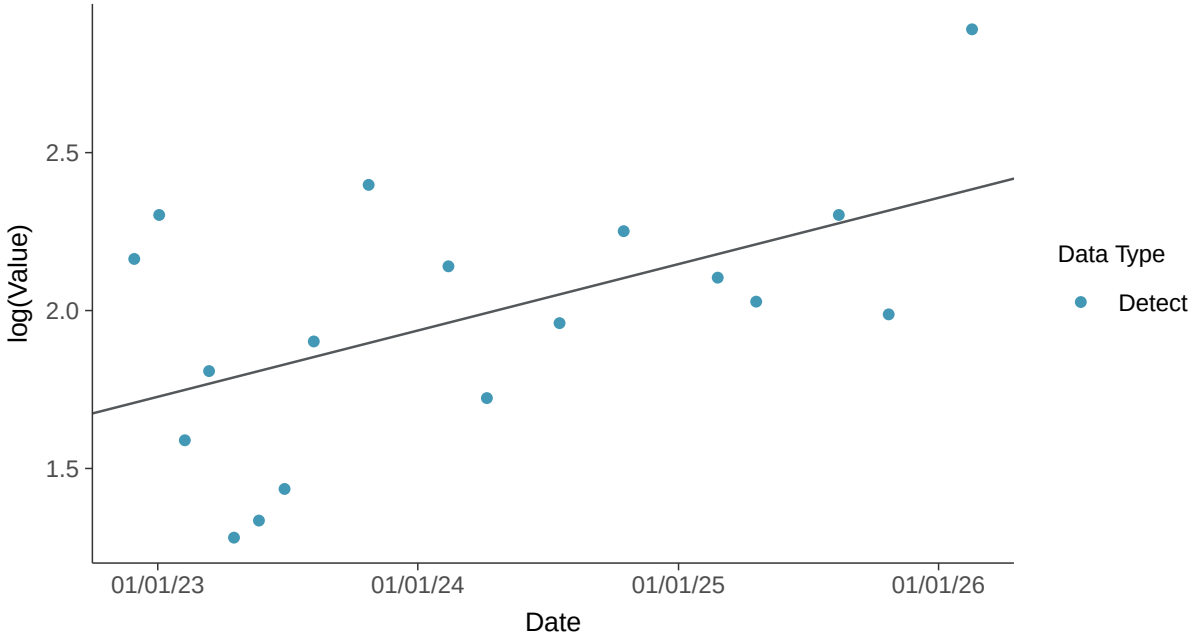
Gamma Q-Q plot

Iron, MW-11 (mg/L)



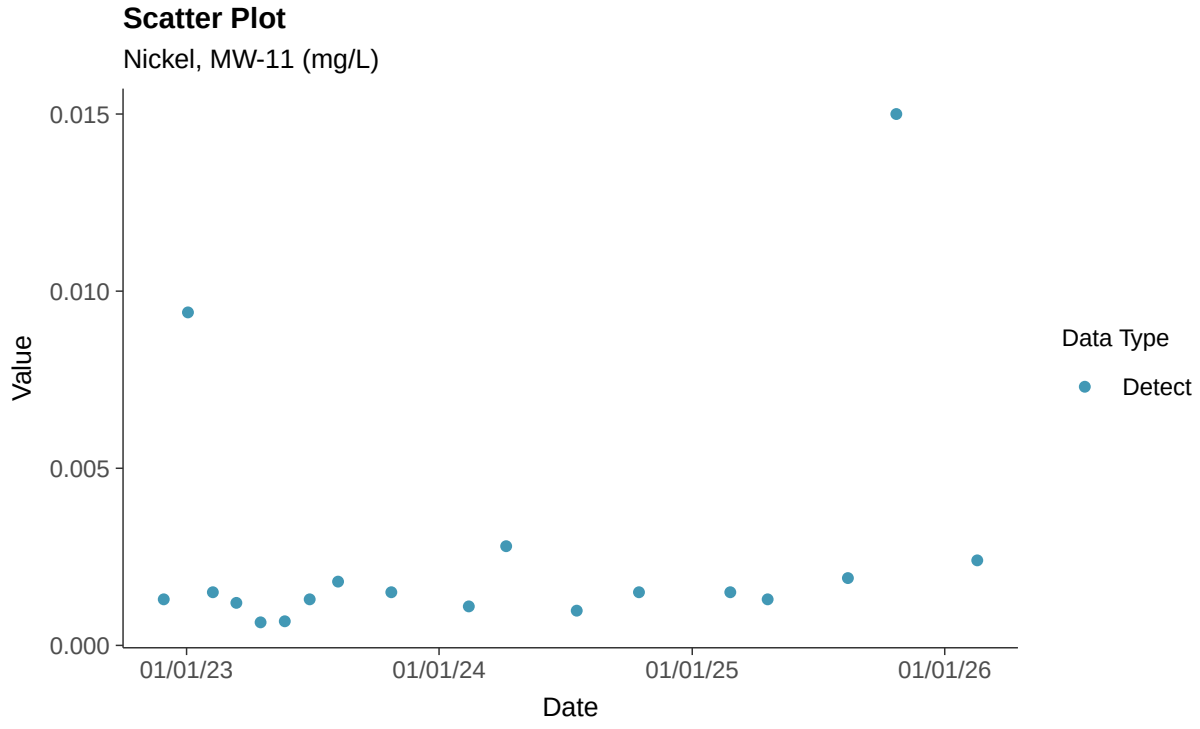
Trend Regression: Lognormal MLE

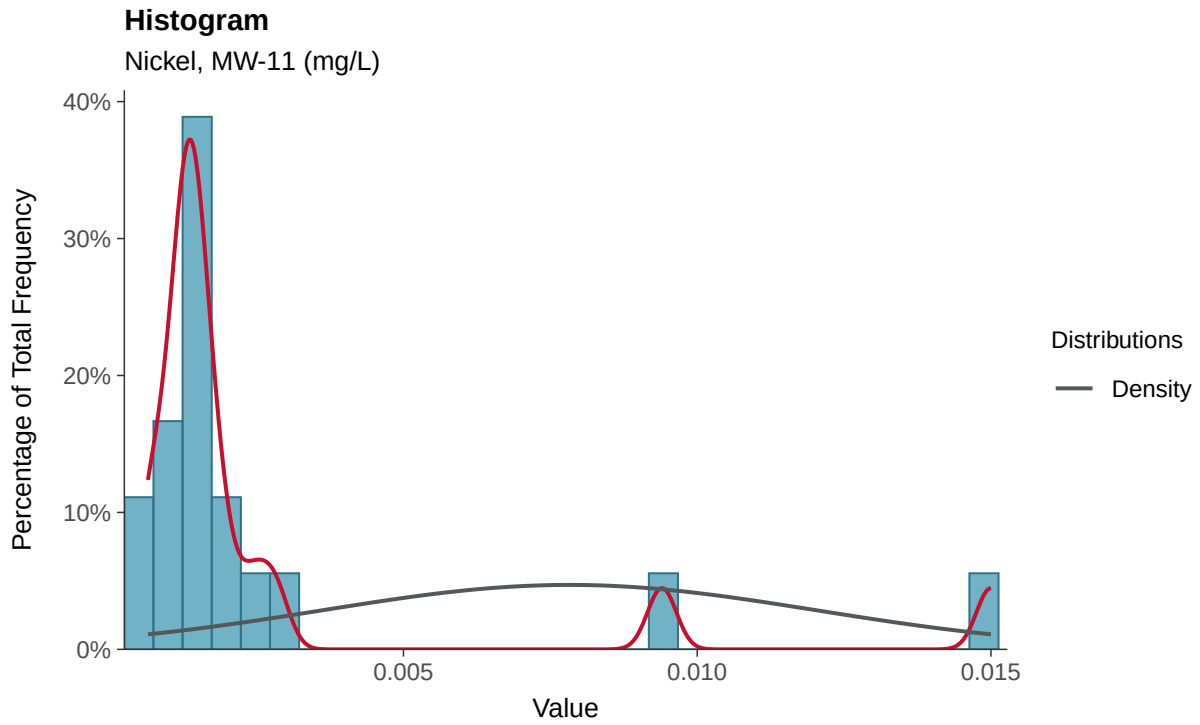
Iron, MW-11 (mg/L)



Part 115: Nickel, MW-11

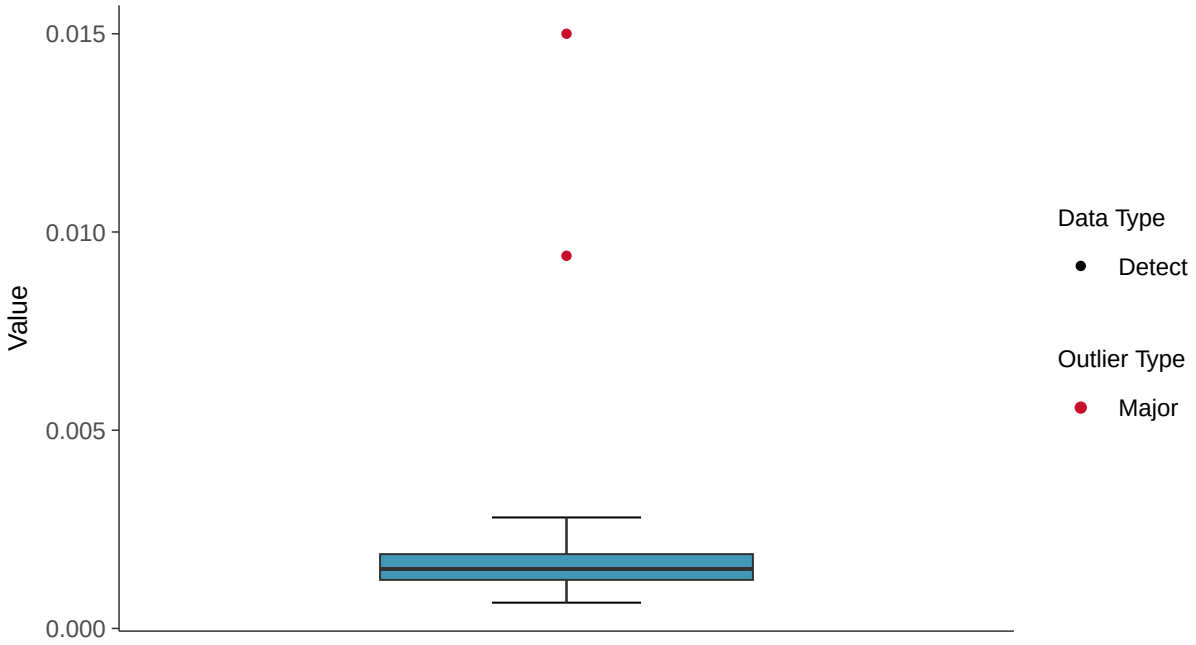
ID: 21_2_5_119





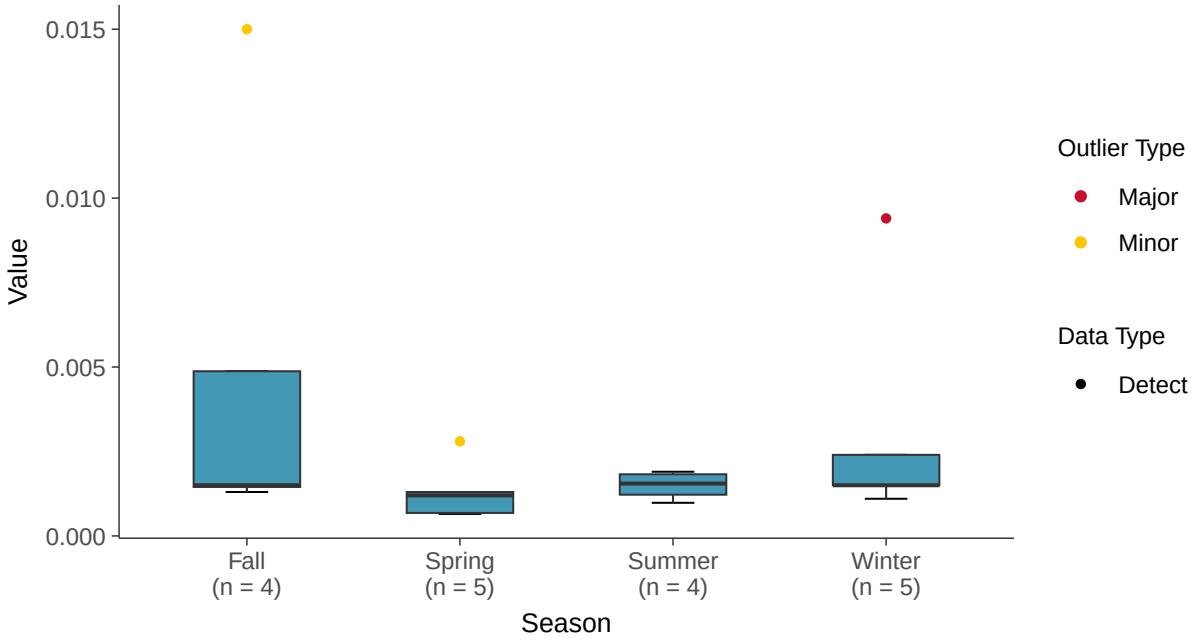
Boxplot

Nickel, MW-11 (mg/L)



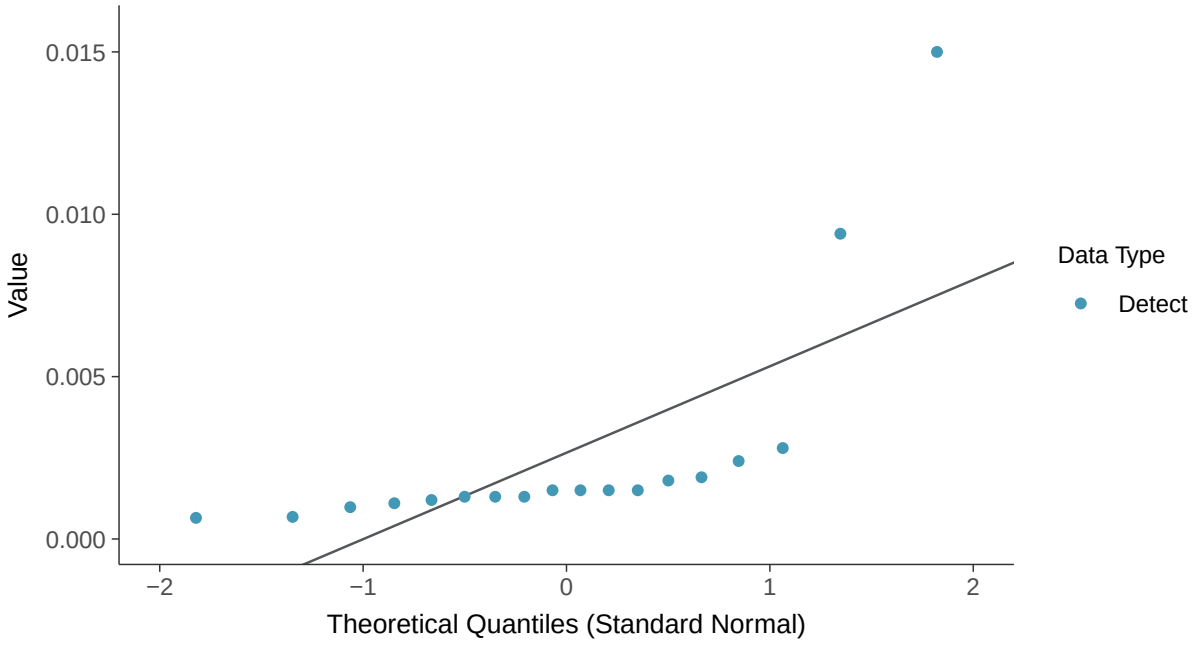
Boxplot by Season

Nickel, MW-11 (mg/L)



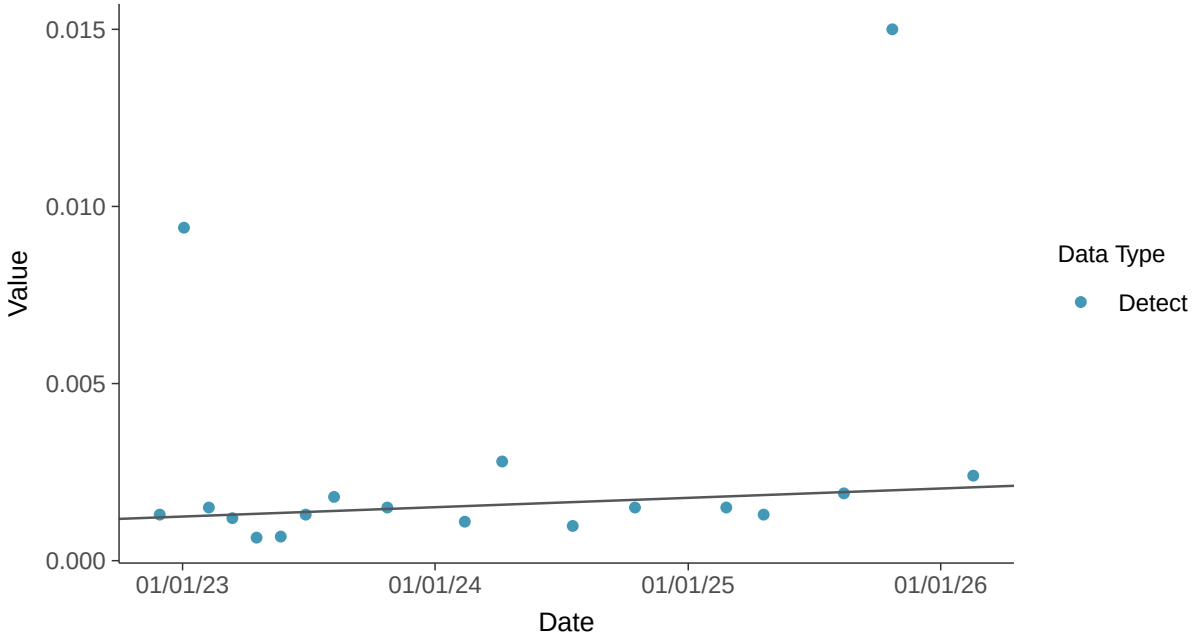
Normal Q-Q plot

Nickel, MW-11 (mg/L)



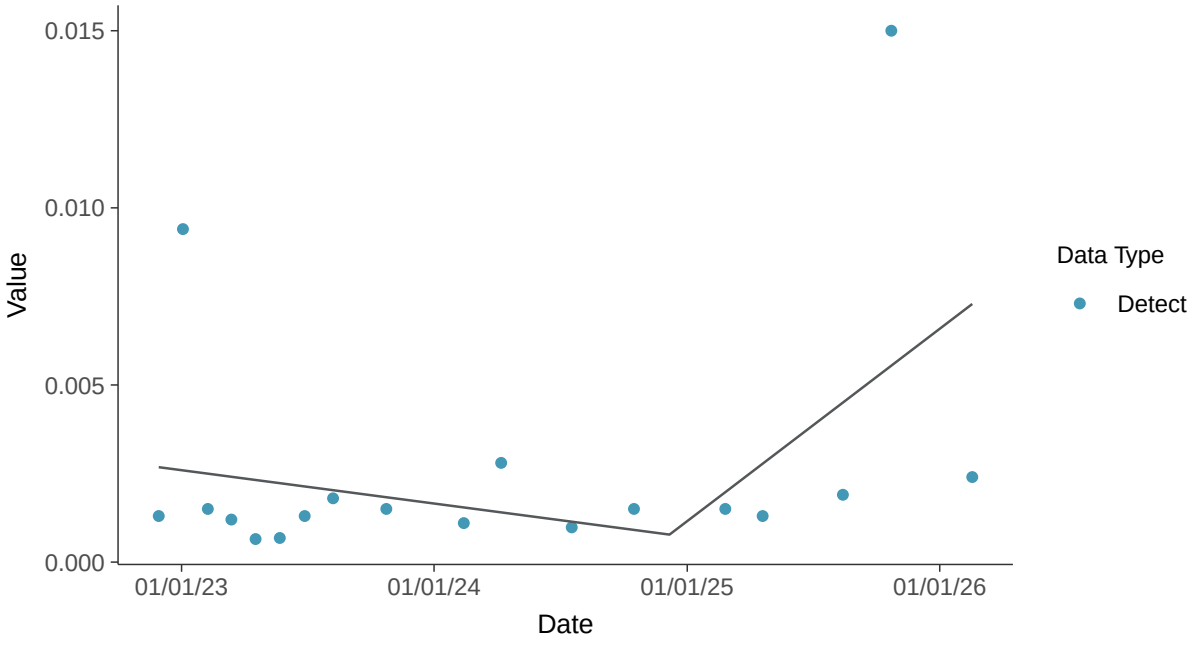
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Nickel, MW-11 (mg/L)



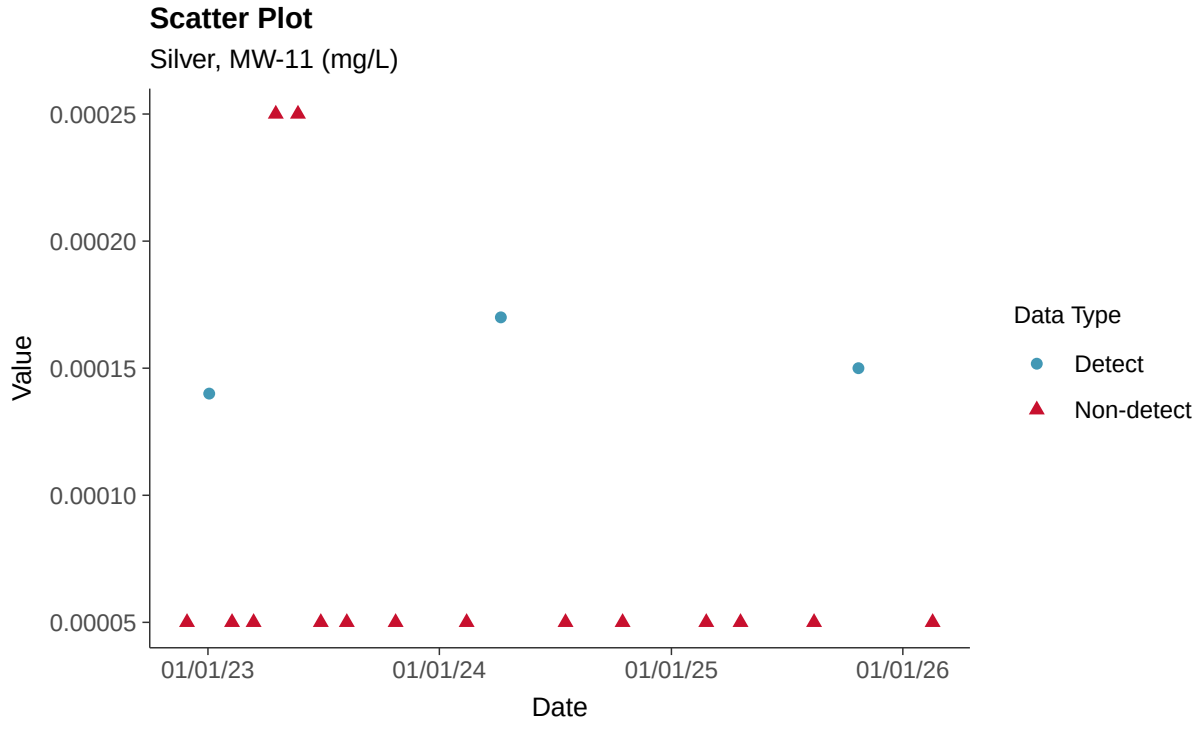
Trend Regression: Piecewise Linear-Linear

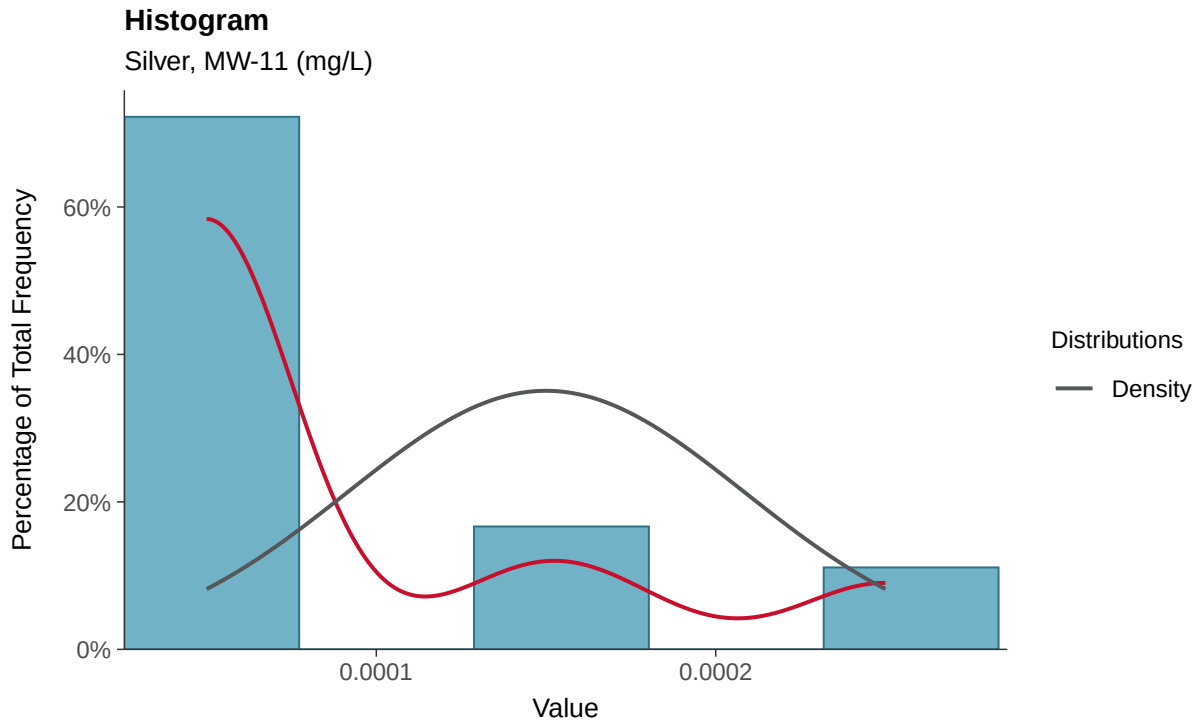
Nickel, MW-11 (mg/L)



Part 115: Silver, MW-11

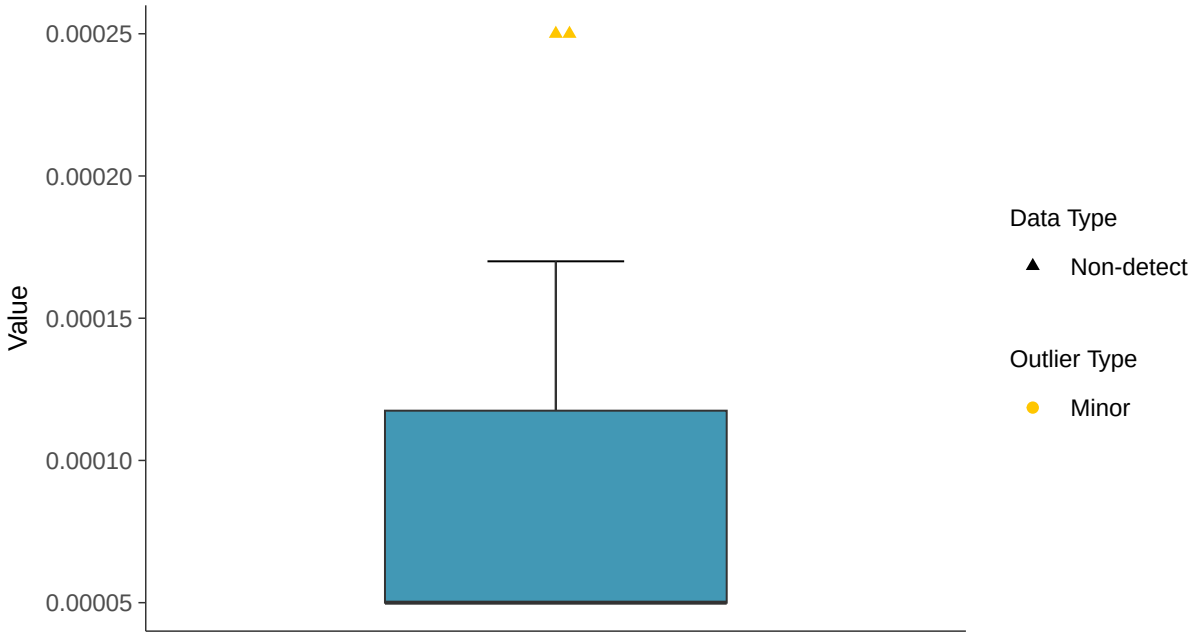
ID: 21_2_5_123





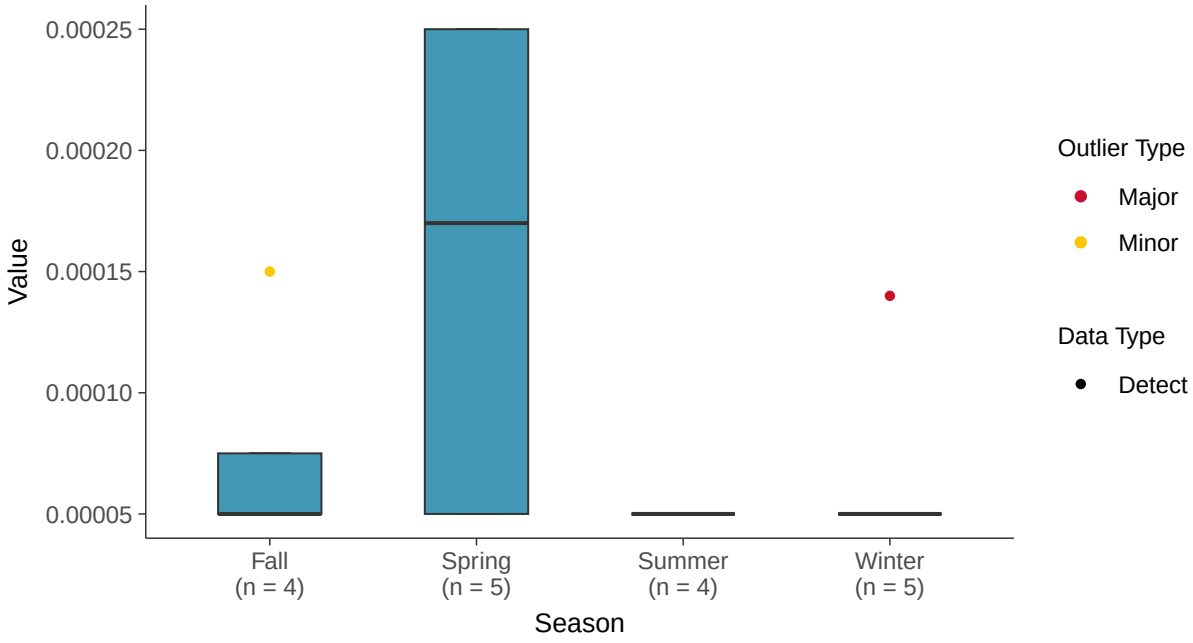
Boxplot

Silver, MW-11 (mg/L)



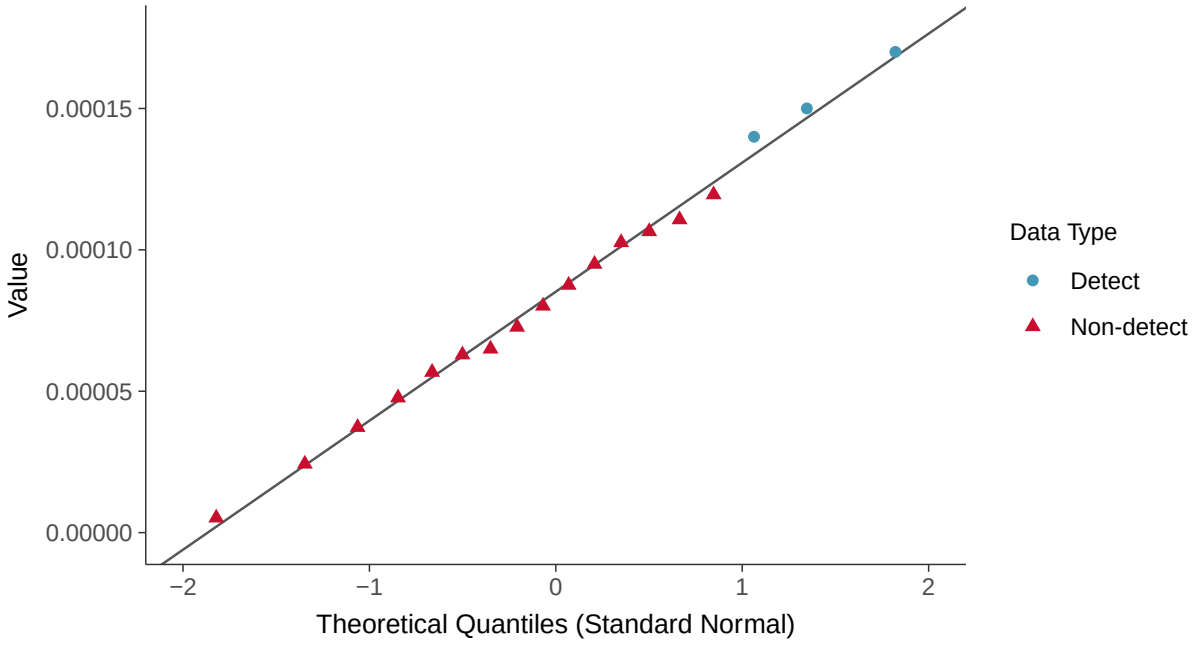
Boxplot by Season

Silver, MW-11 (mg/L)



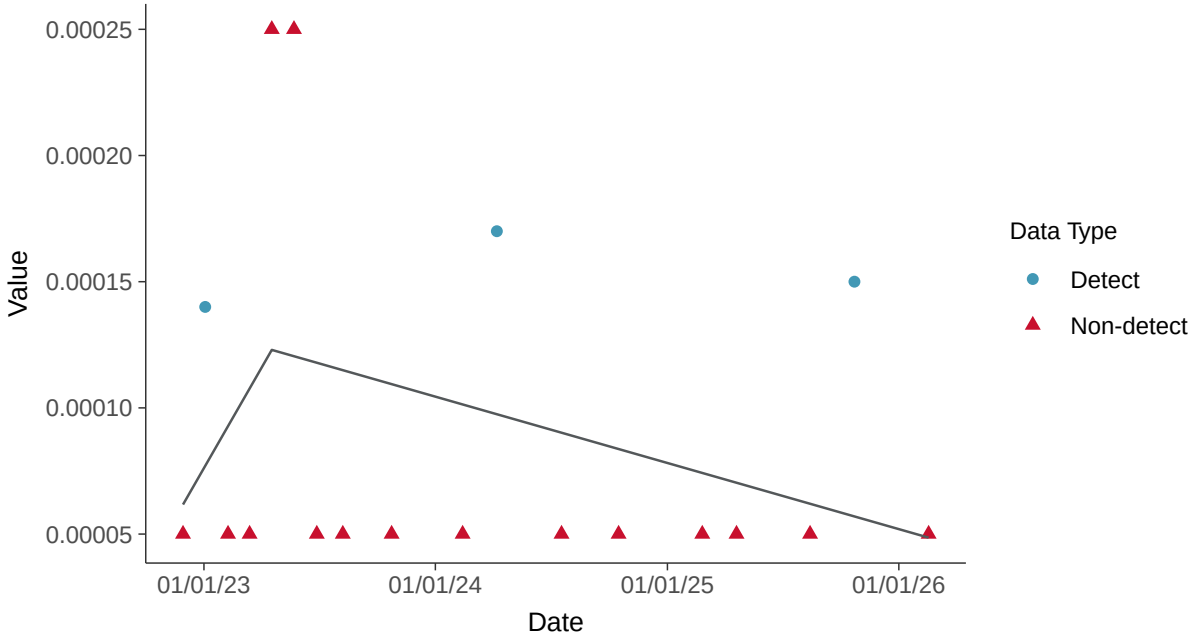
Normal Q-Q plot using ROS Imputed Estimates

Silver, MW-11 (mg/L)



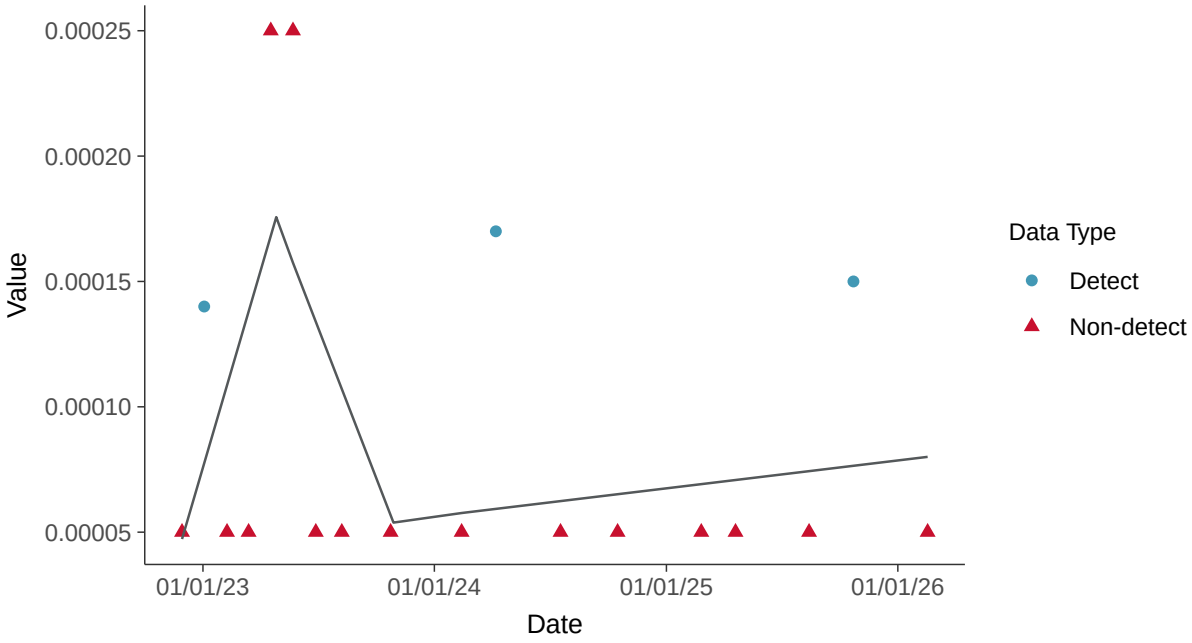
Trend Regression: Piecewise Linear-Linear

Silver, MW-11 (mg/L)



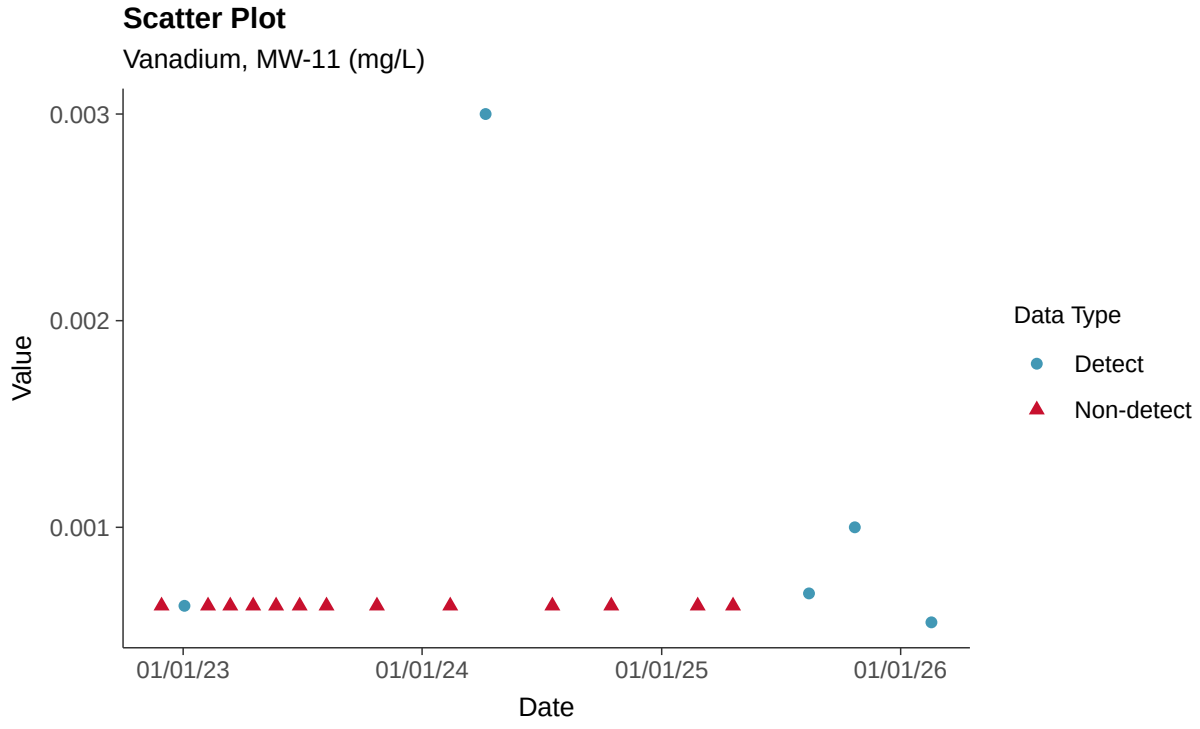
Trend Regression: Piecewise Linear-Linear-Linear

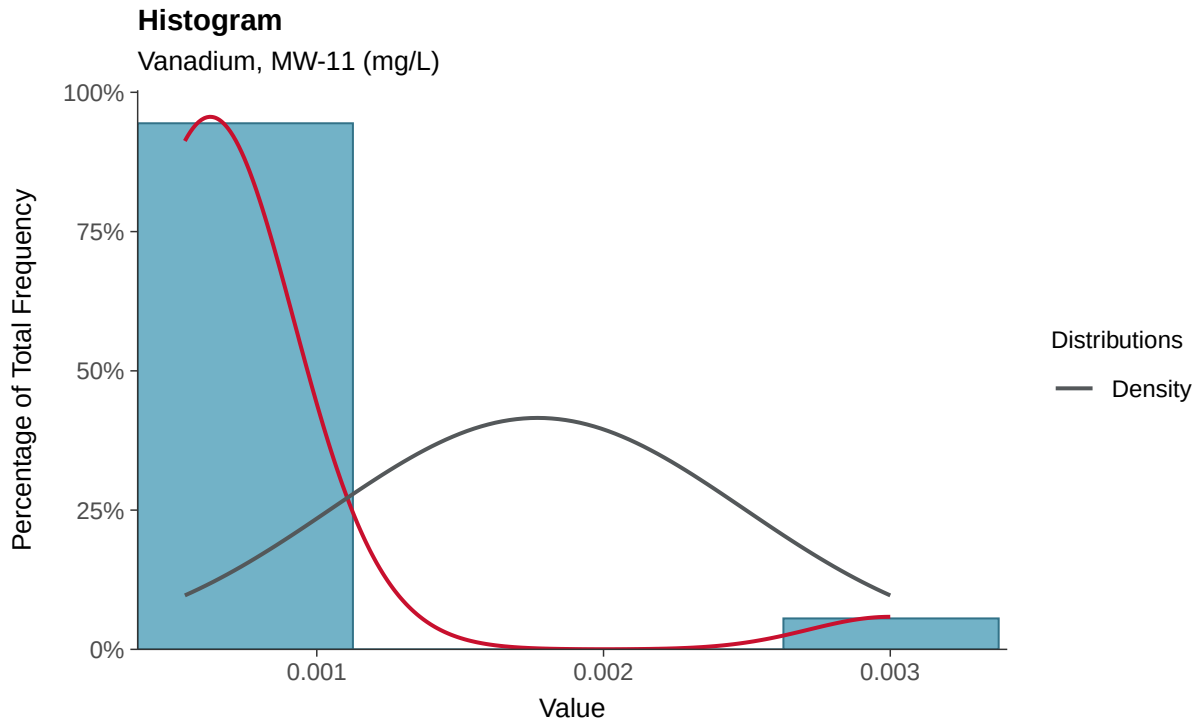
Silver, MW-11 (mg/L)



Part 115: Vanadium, MW-11

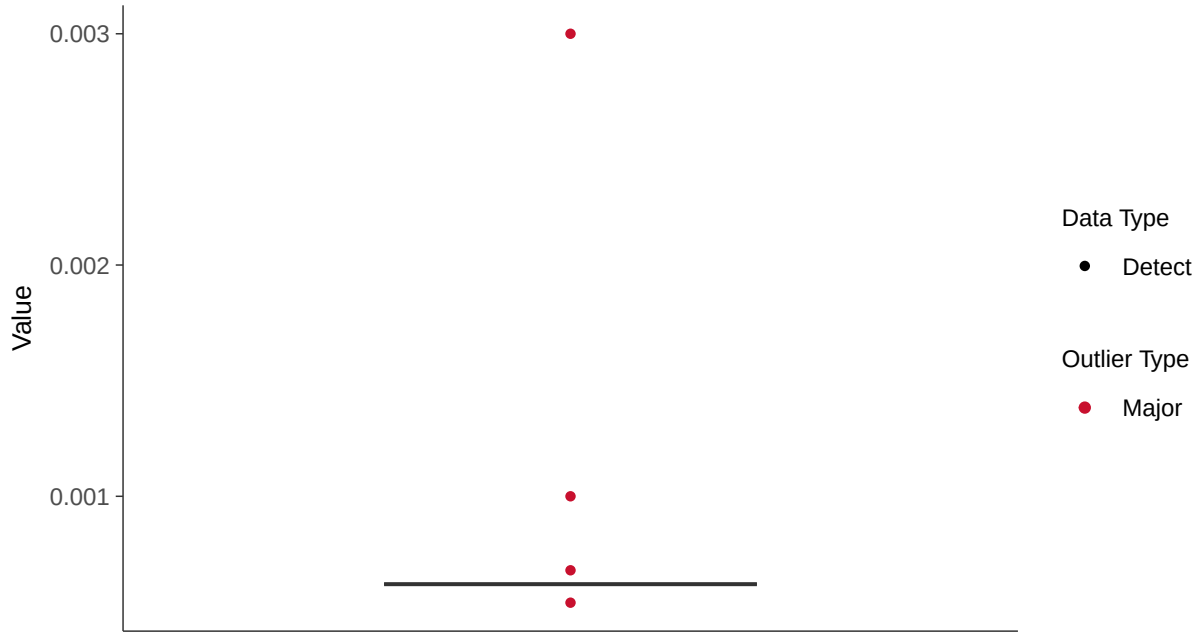
ID: 21_2_5_128





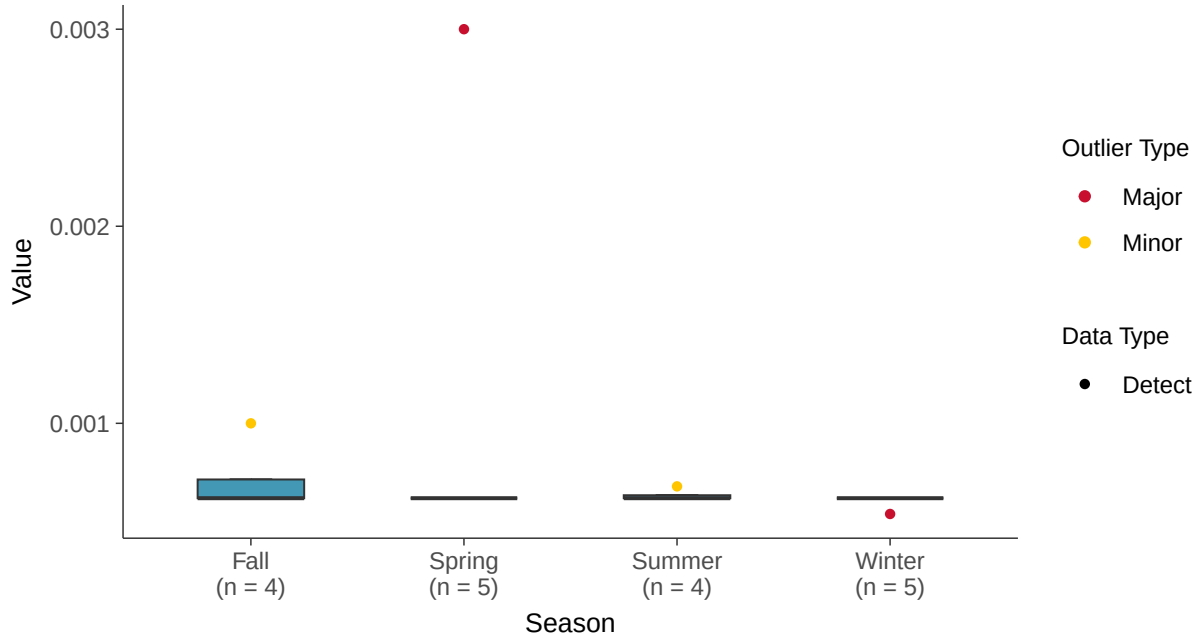
Boxplot

Vanadium, MW-11 (mg/L)



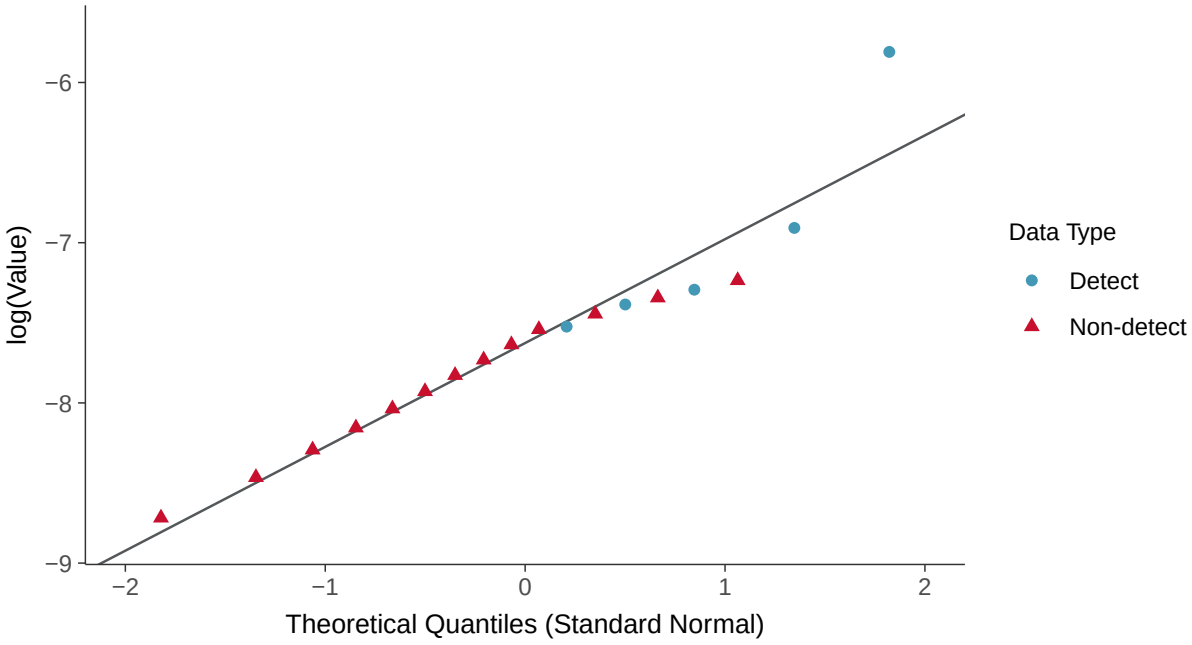
Boxplot by Season

Vanadium, MW-11 (mg/L)



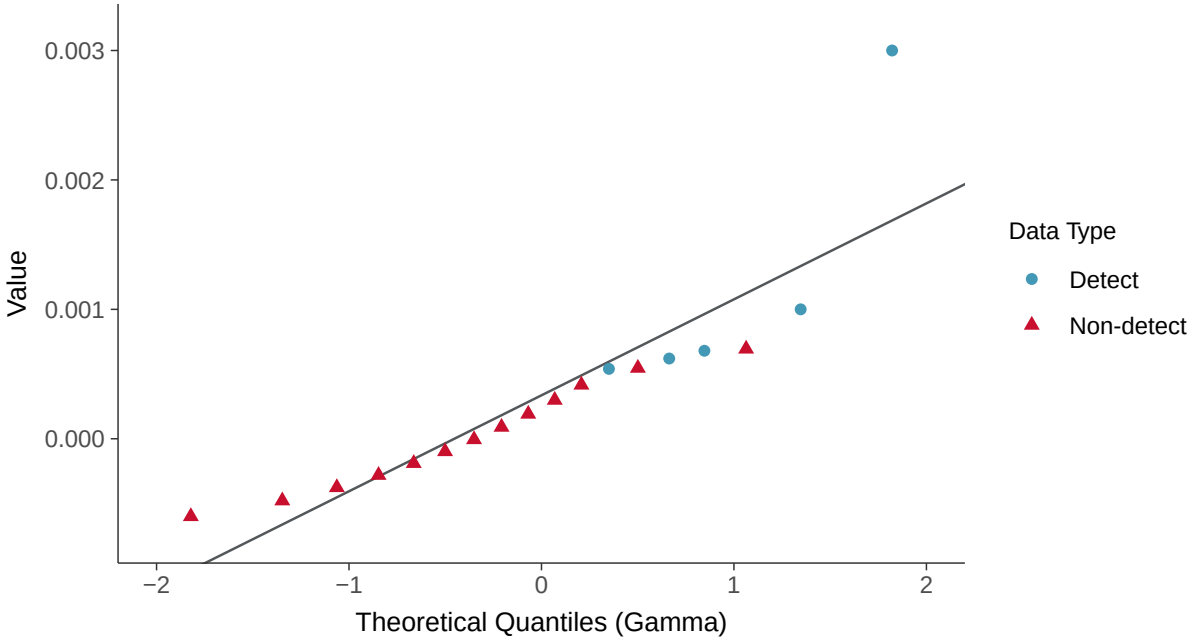
Lognormal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-11 (mg/L)



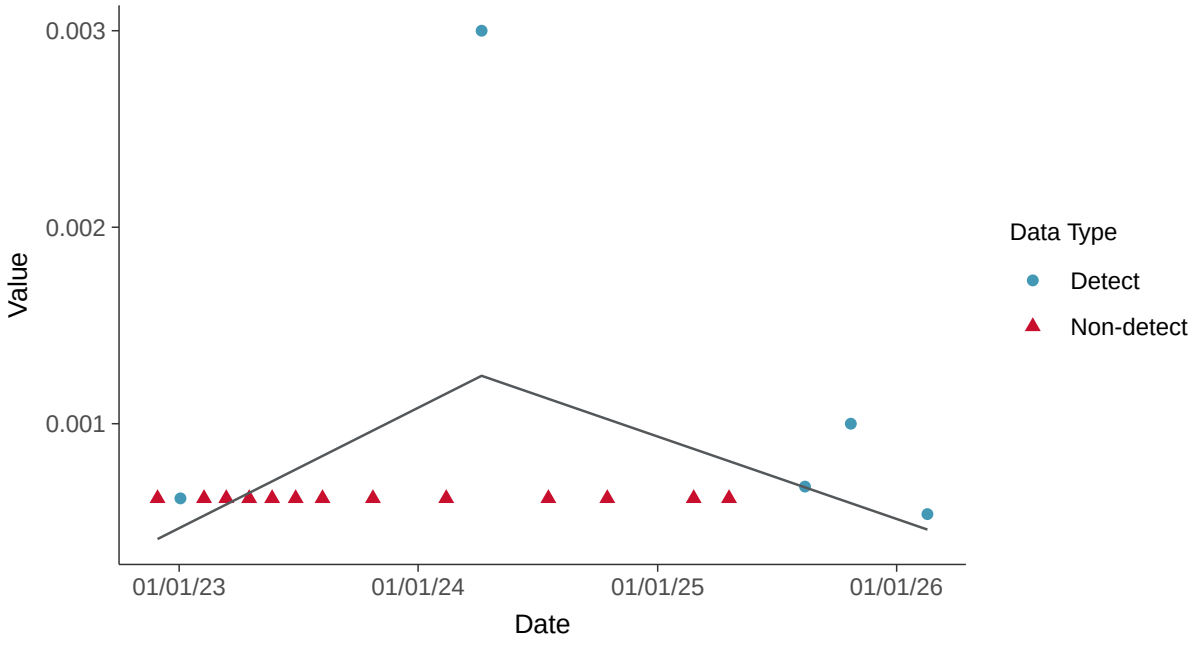
Gamma Q-Q plot using ROS Imputed Estimates

Vanadium, MW-11 (mg/L)



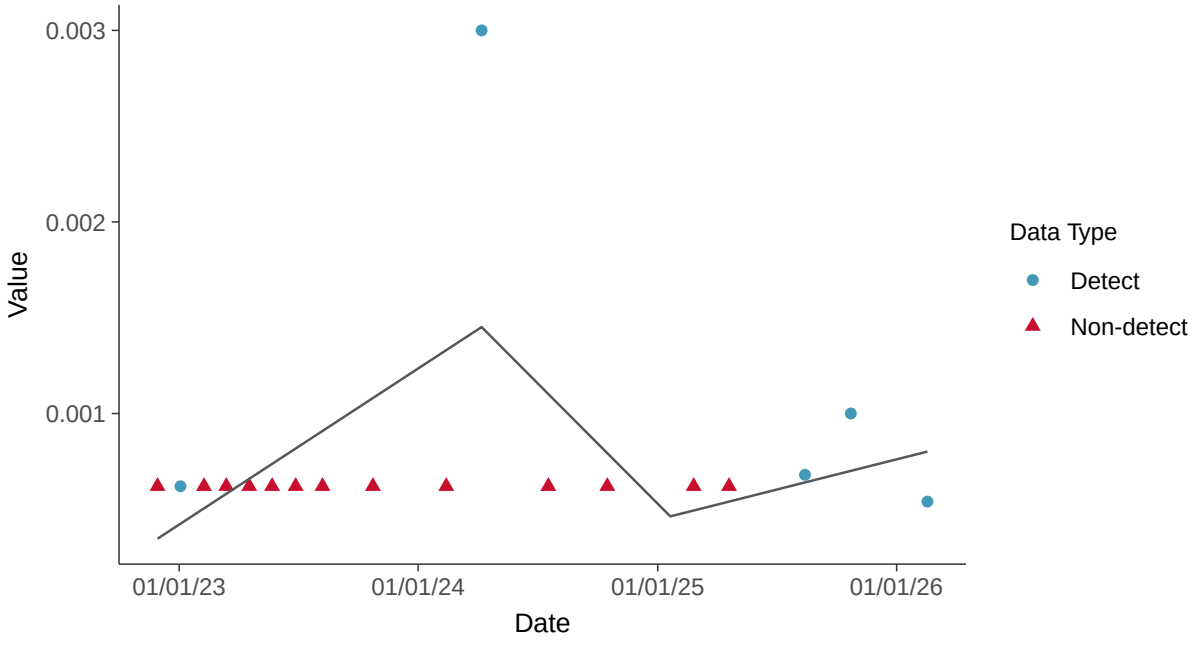
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-11 (mg/L)



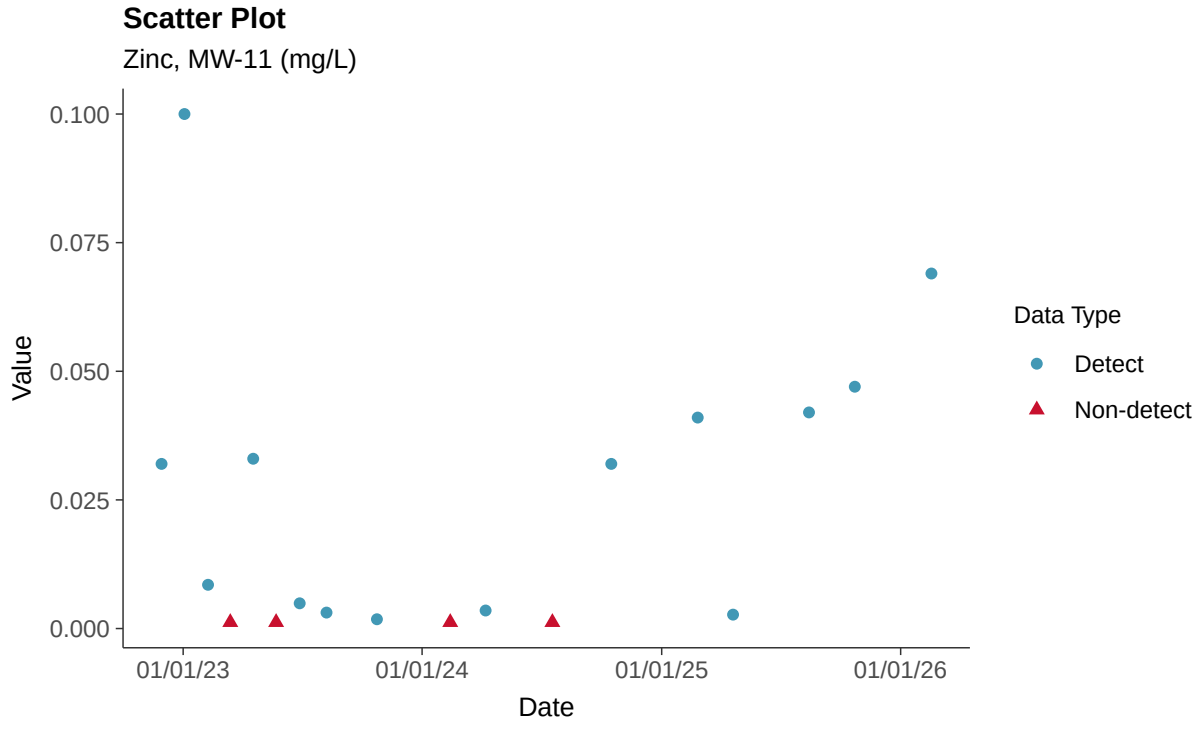
Trend Regression: Piecewise Linear-Linear-Linear

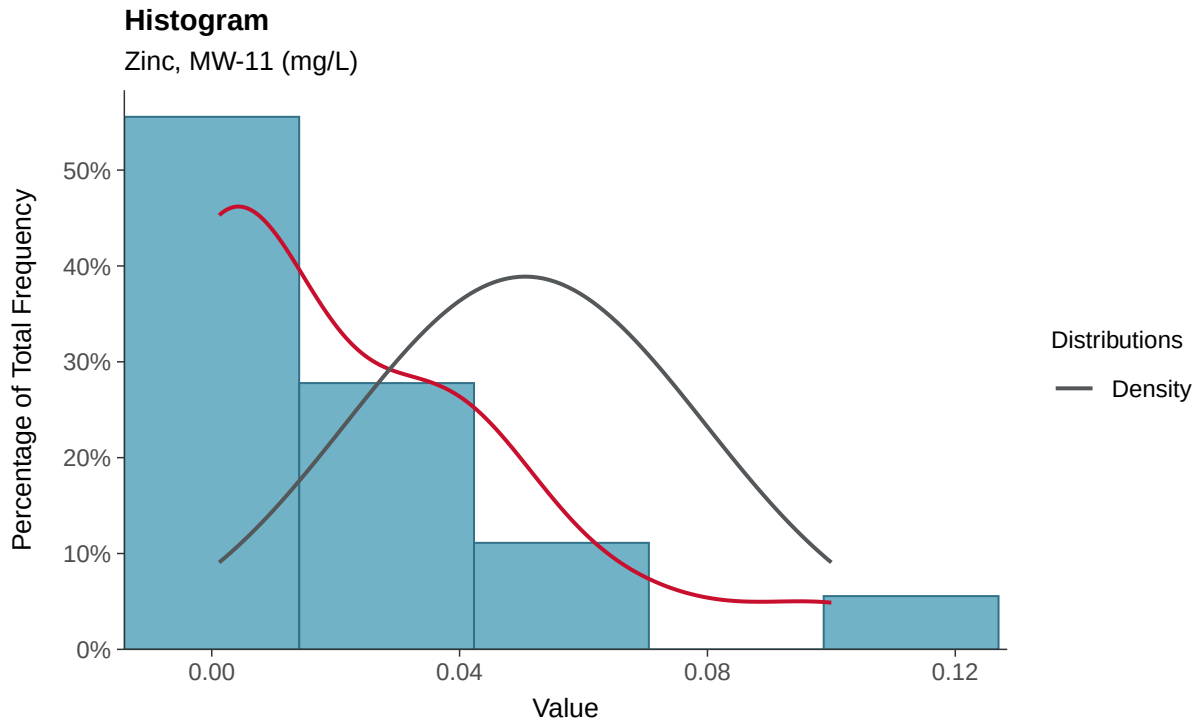
Vanadium, MW-11 (mg/L)



Part 115: Zinc, MW-11

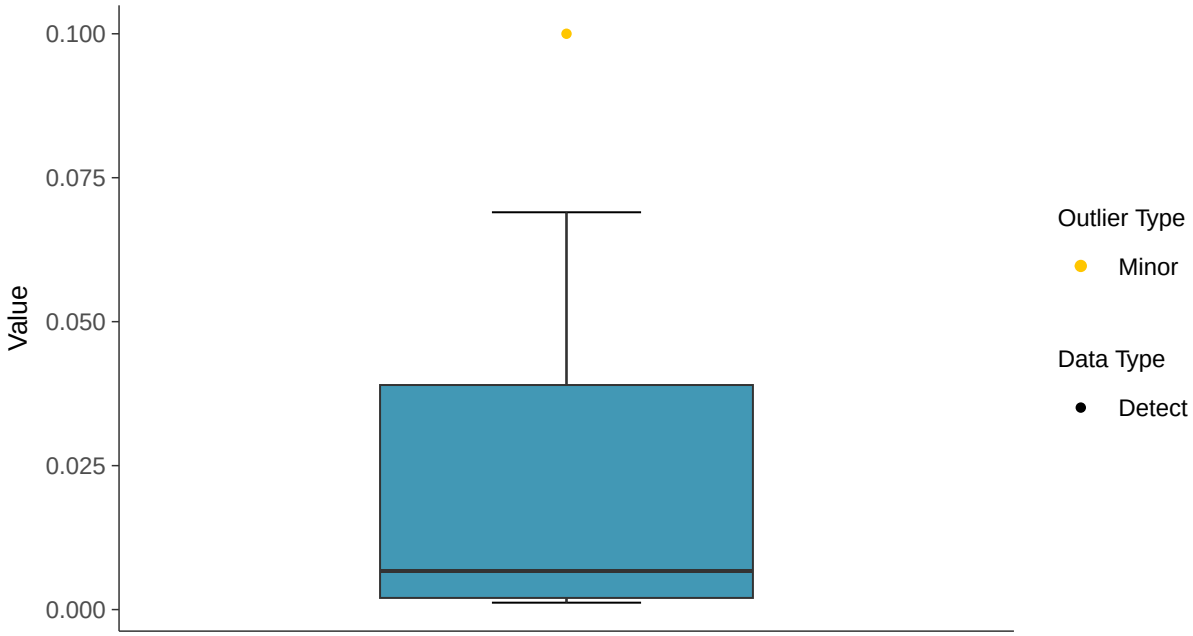
ID: 21_2_5_129





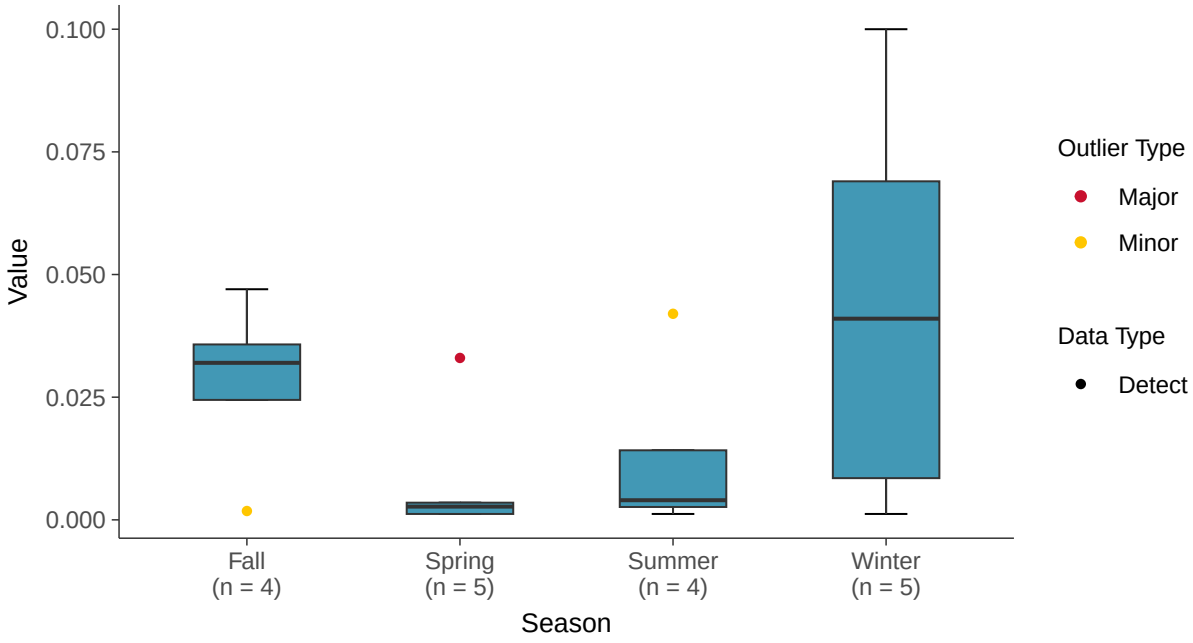
Boxplot

Zinc, MW-11 (mg/L)



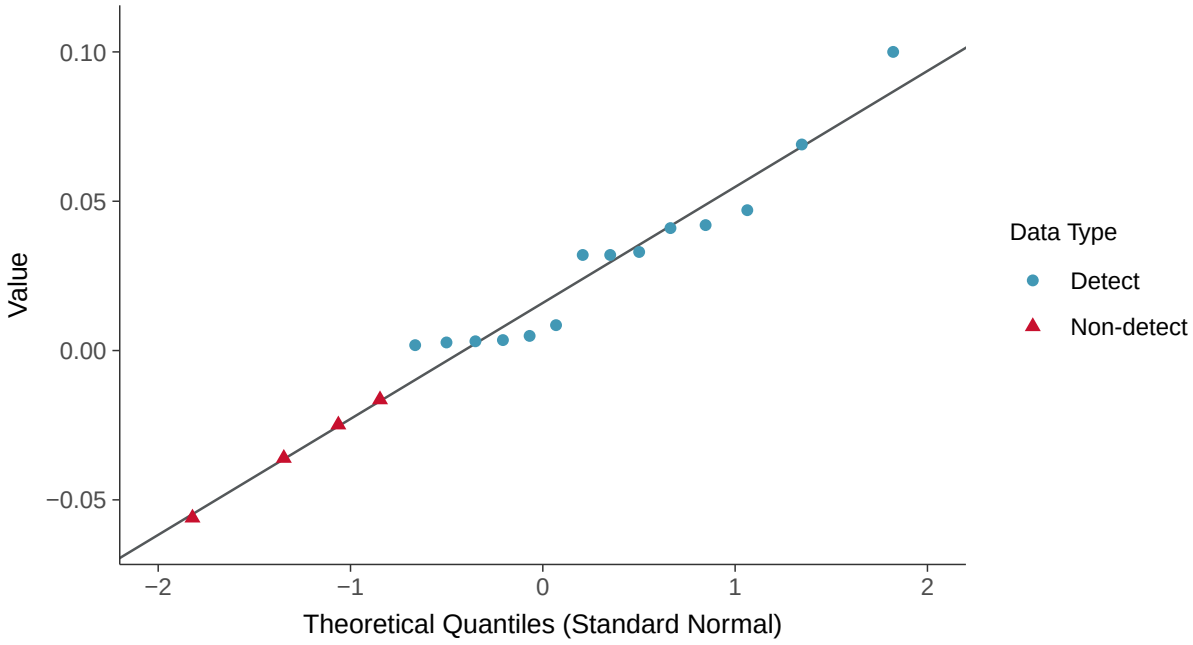
Boxplot by Season

Zinc, MW-11 (mg/L)



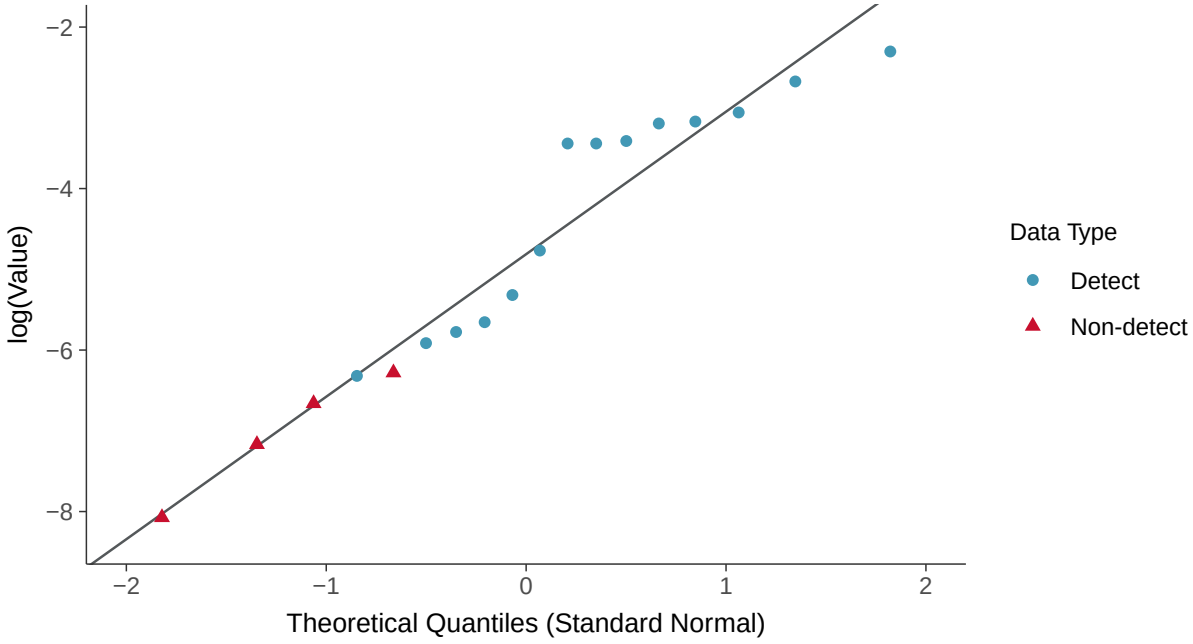
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-11 (mg/L)



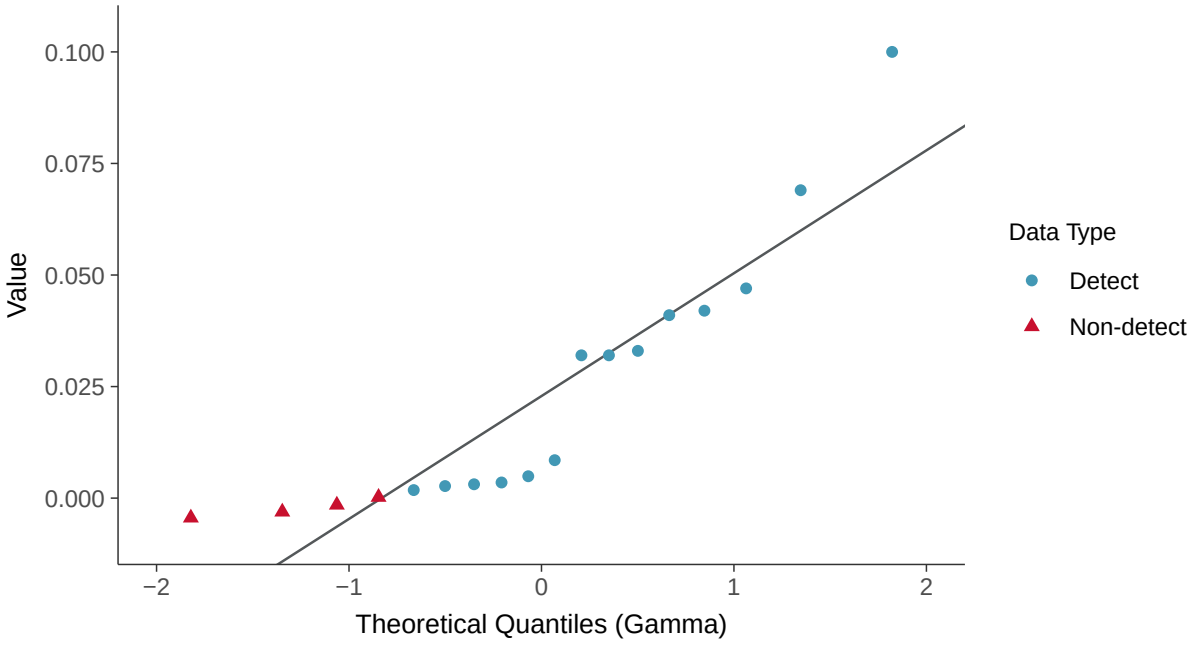
Lognormal Q-Q plot using ROS Imputed Estimates

Zinc, MW-11 (mg/L)



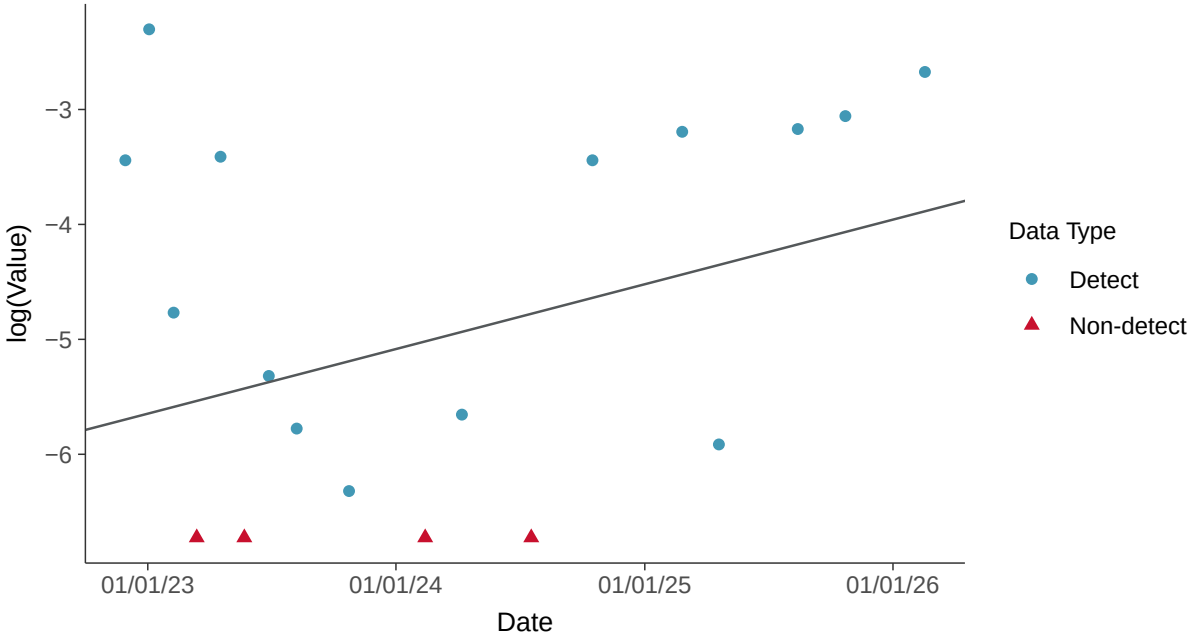
Gamma Q-Q plot using ROS Imputed Estimates

Zinc, MW-11 (mg/L)



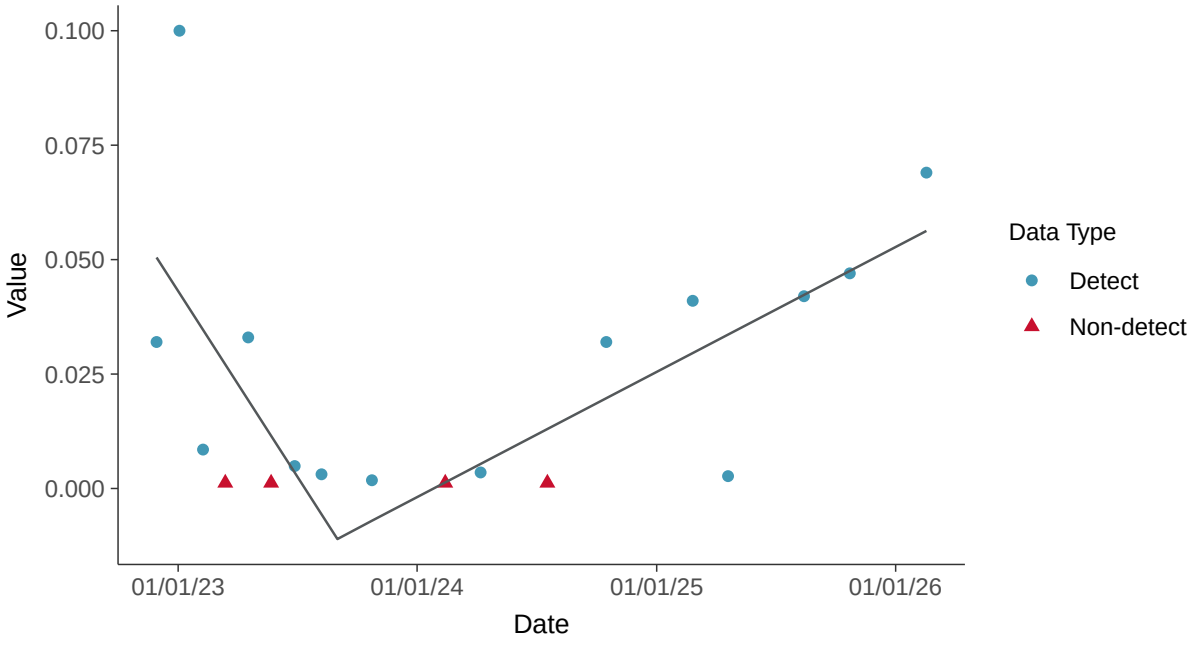
Trend Regression: Lognormal MLE

Zinc, MW-11 (mg/L)



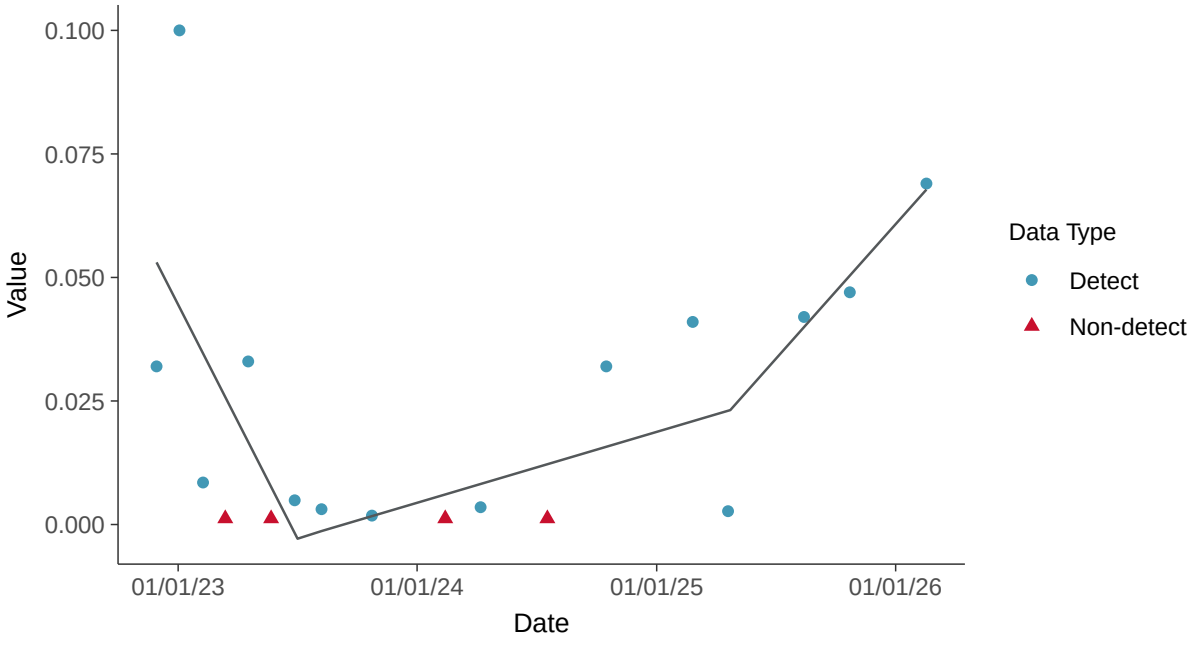
Trend Regression: Piecewise Linear-Linear

Zinc, MW-11 (mg/L)



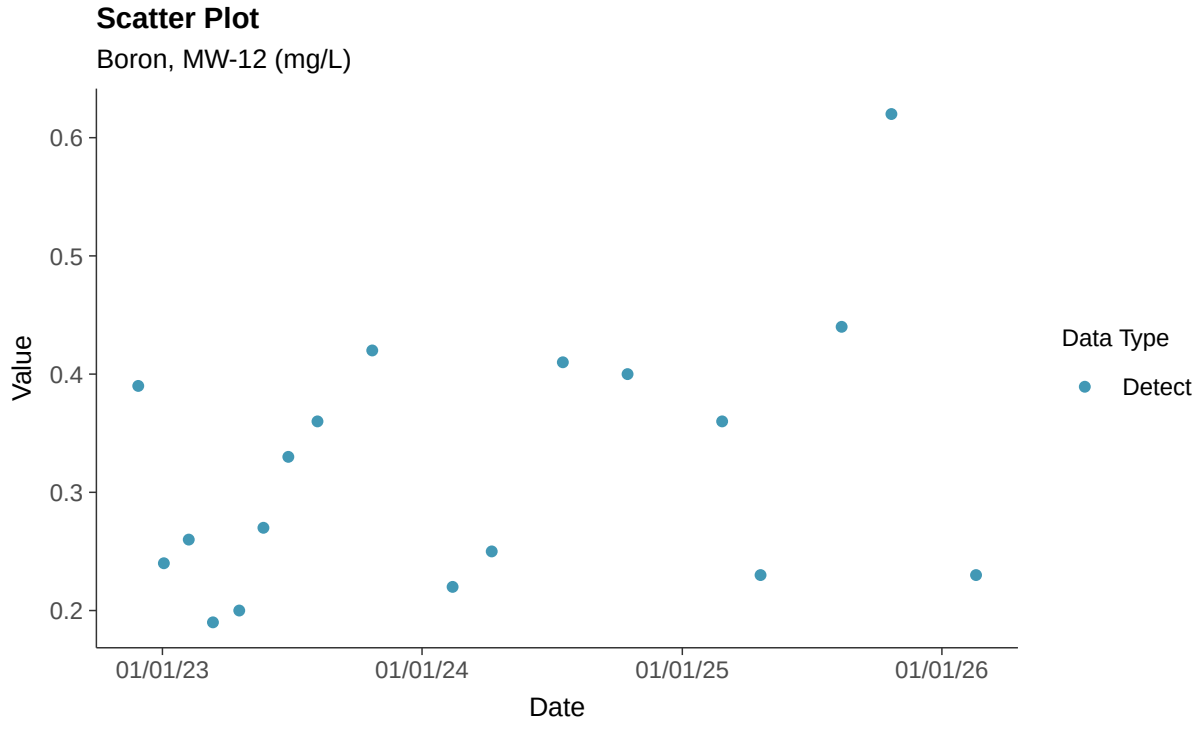
Trend Regression: Piecewise Linear-Linear-Linear

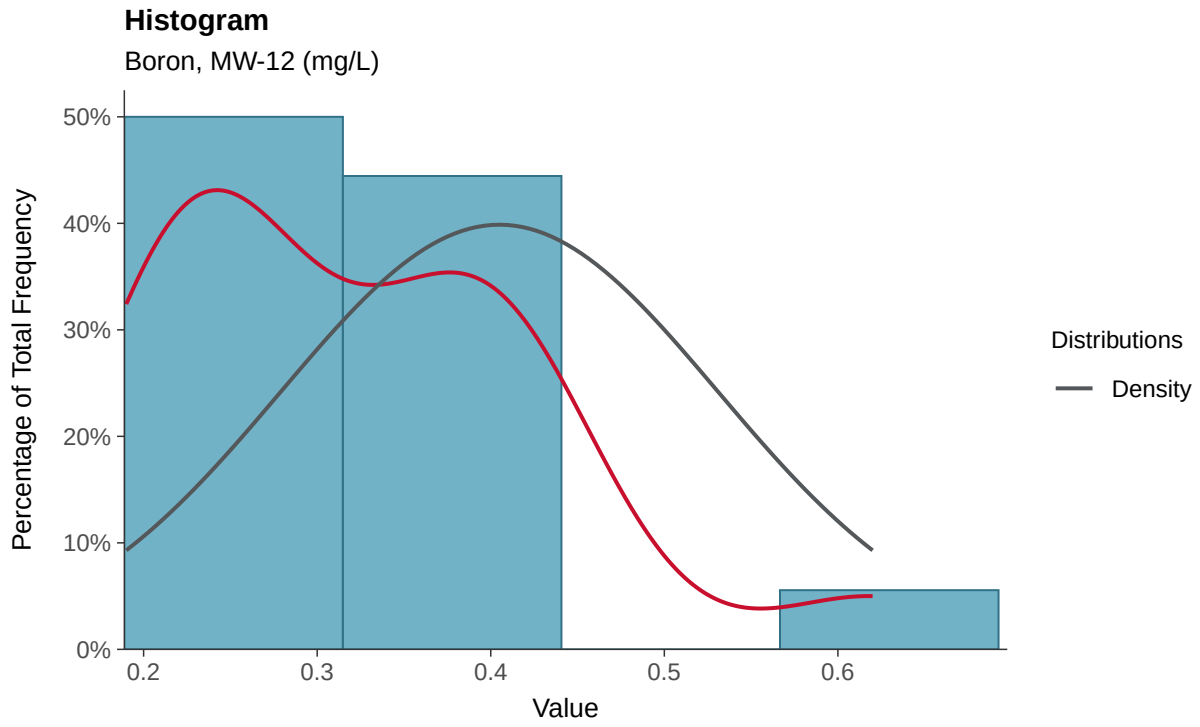
Zinc, MW-11 (mg/L)



Appendix III: Boron, MW-12

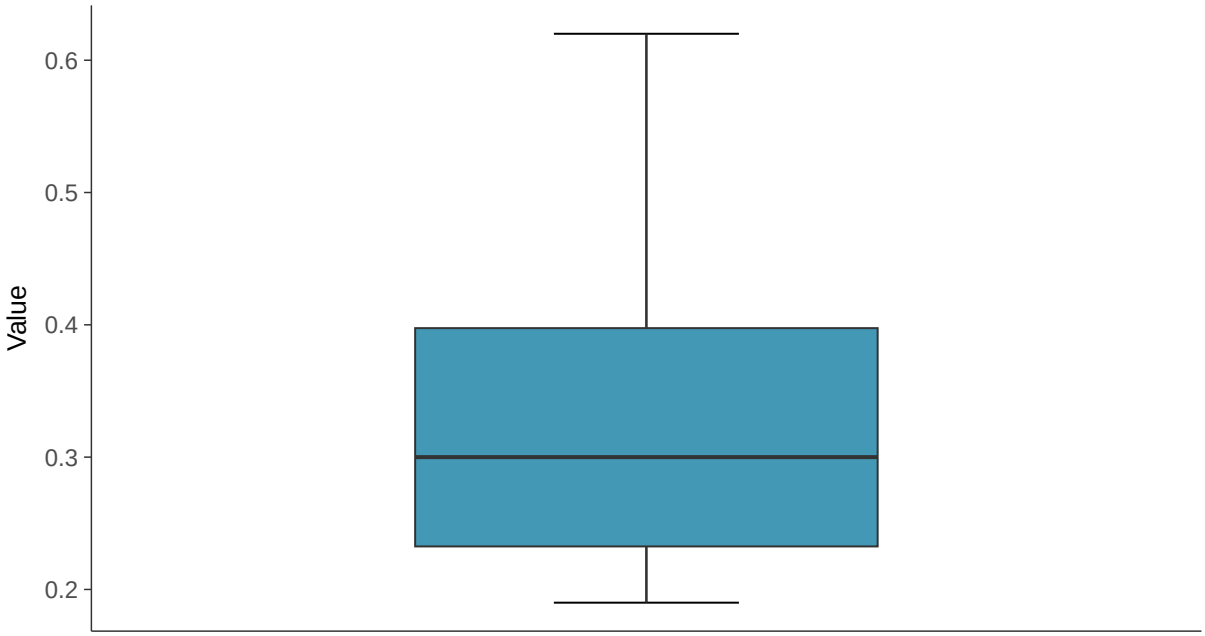
ID: 22_2_3_105





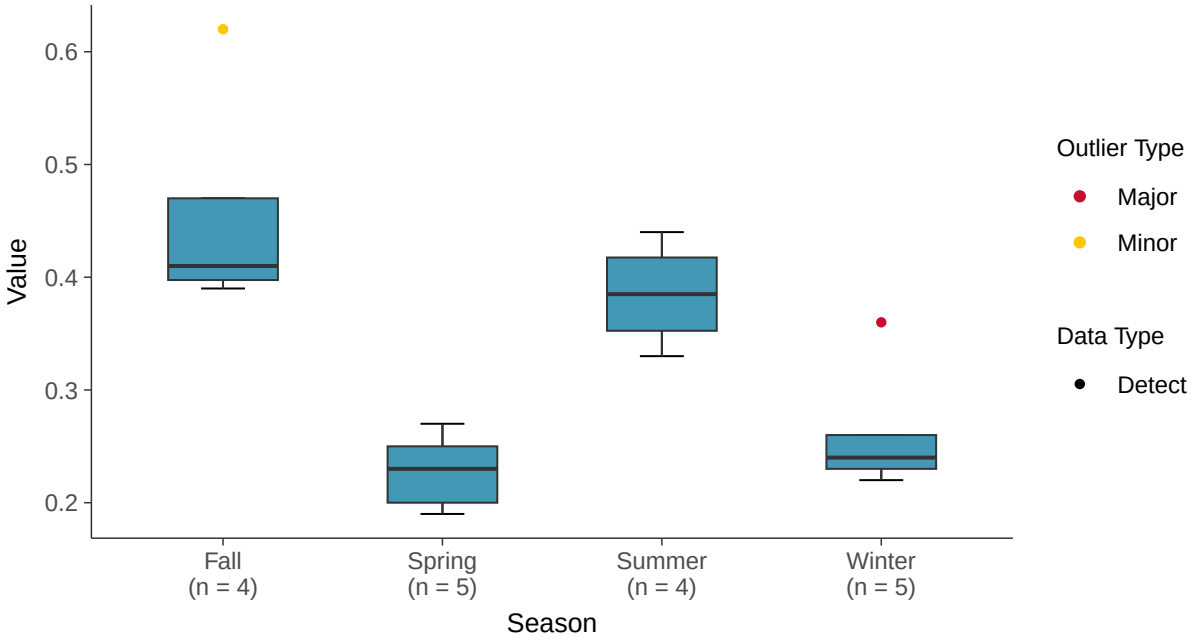
Boxplot

Boron, MW-12 (mg/L)



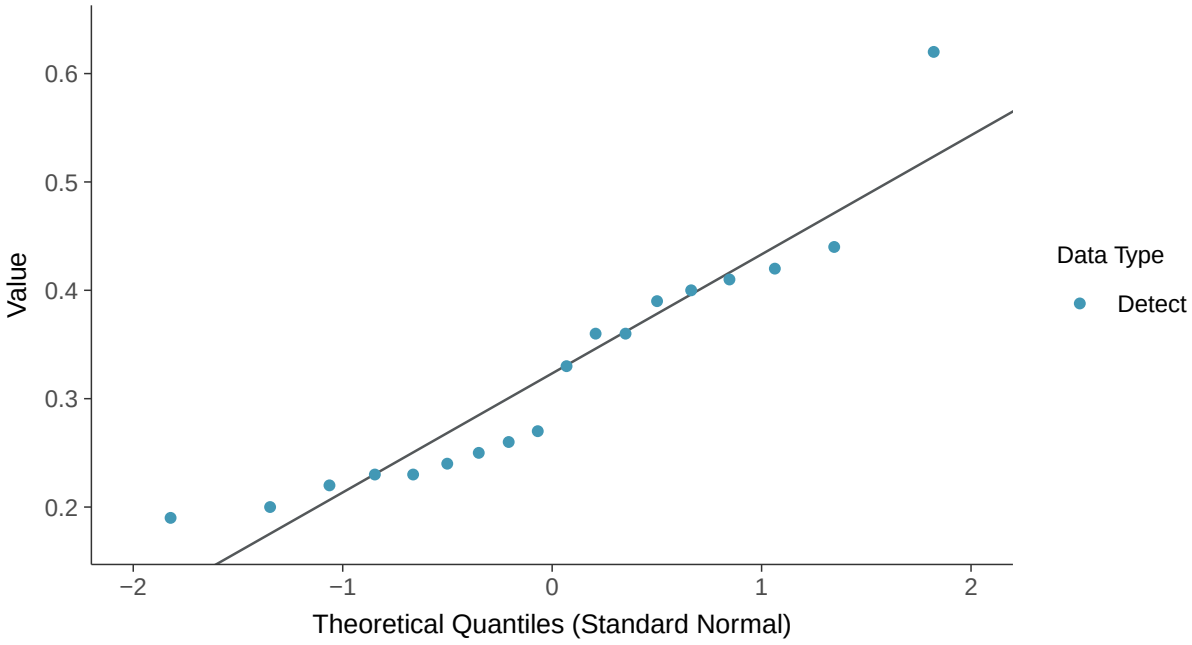
Boxplot by Season

Boron, MW-12 (mg/L)



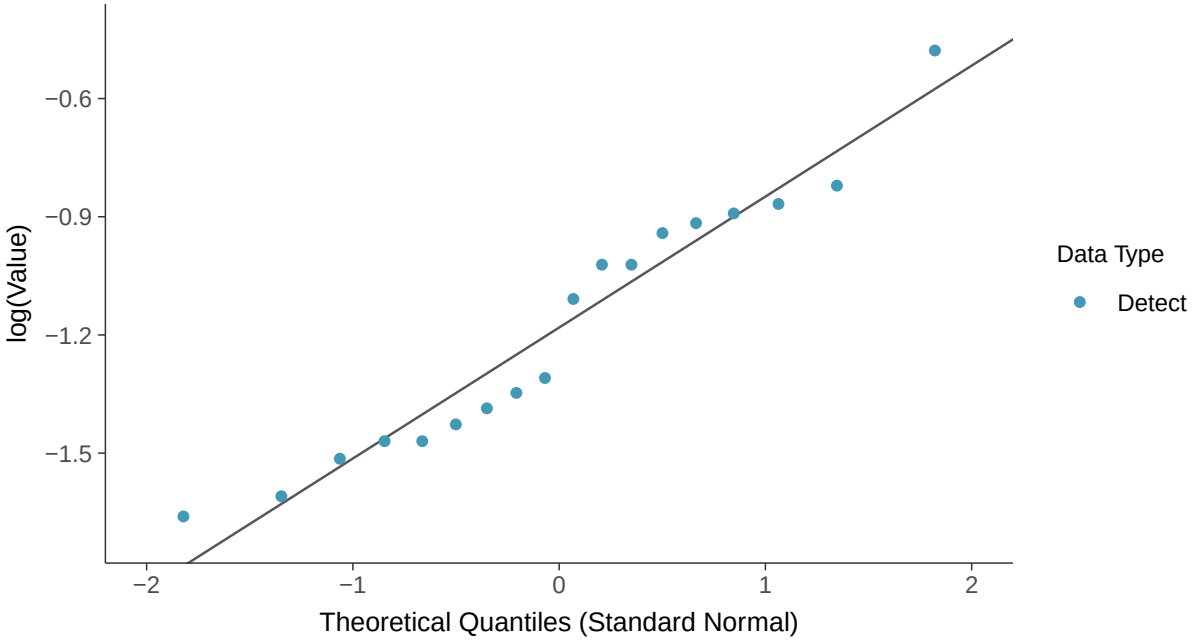
Normal Q-Q plot

Boron, MW-12 (mg/L)



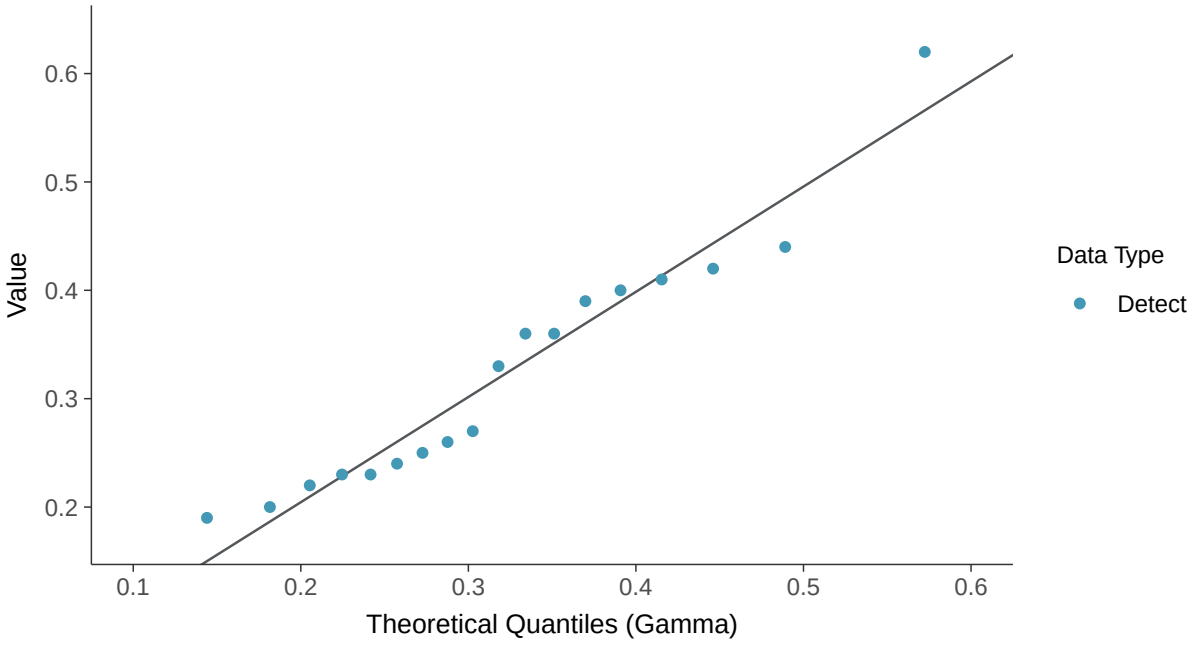
Lognormal Q-Q plot

Boron, MW-12 (mg/L)



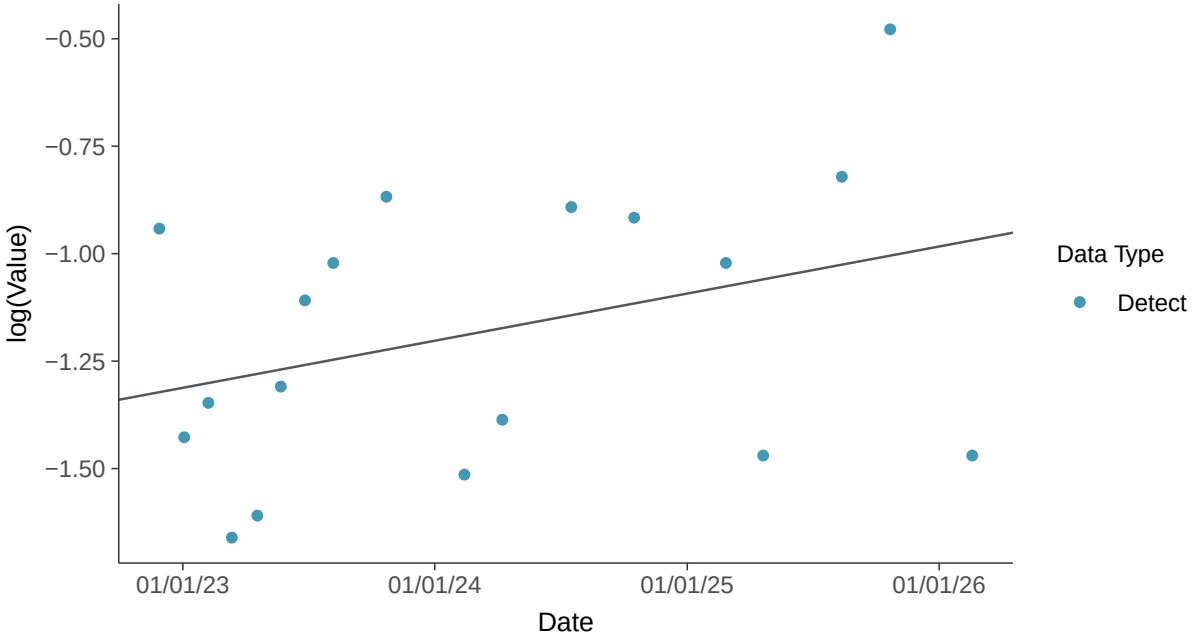
Gamma Q-Q plot

Boron, MW-12 (mg/L)



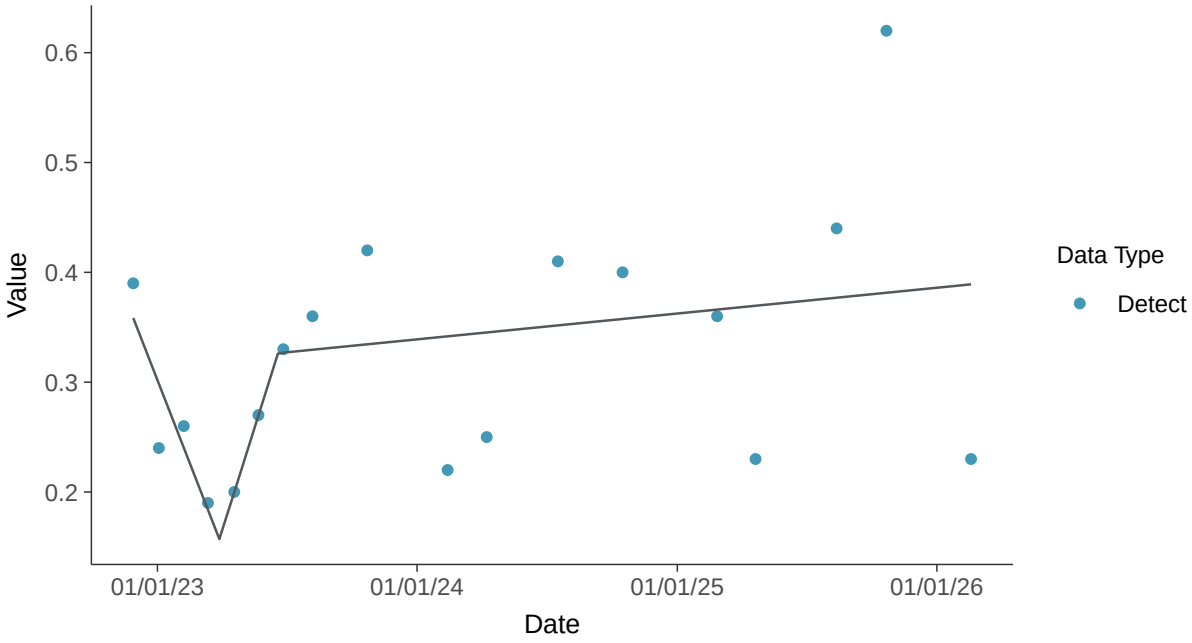
Trend Regression: Lognormal MLE

Boron, MW-12 (mg/L)



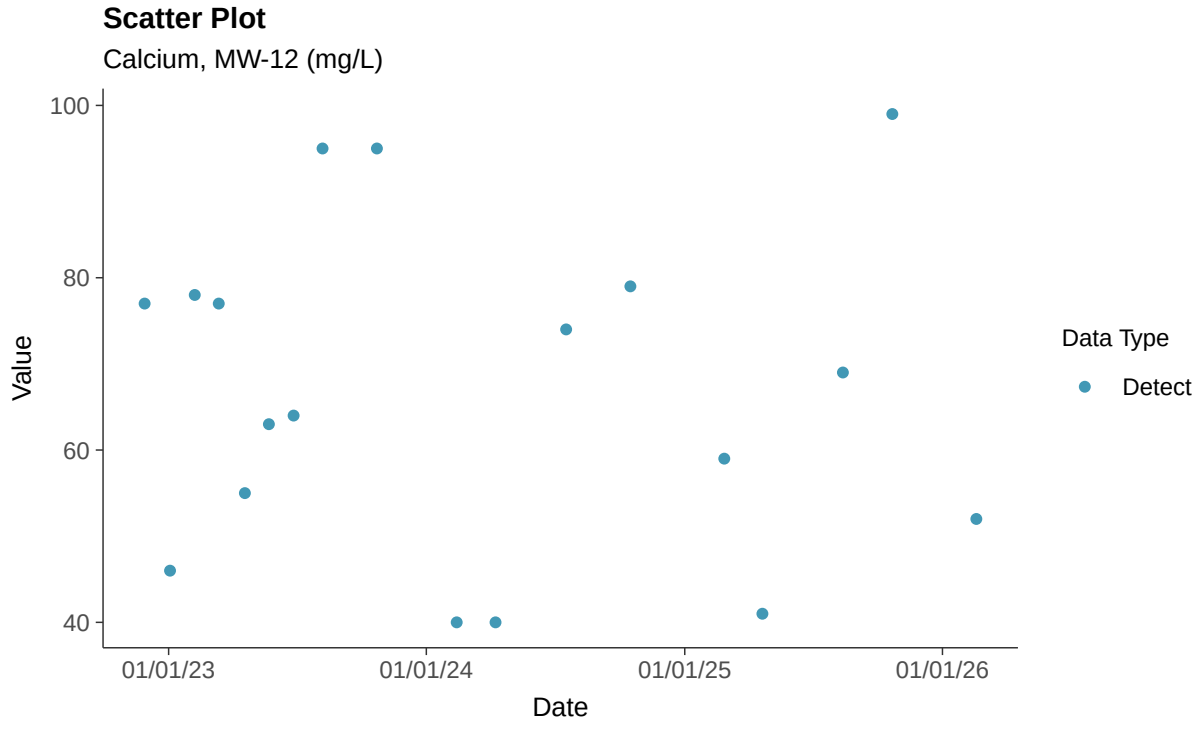
Trend Regression: Piecewise Linear-Linear-Linear

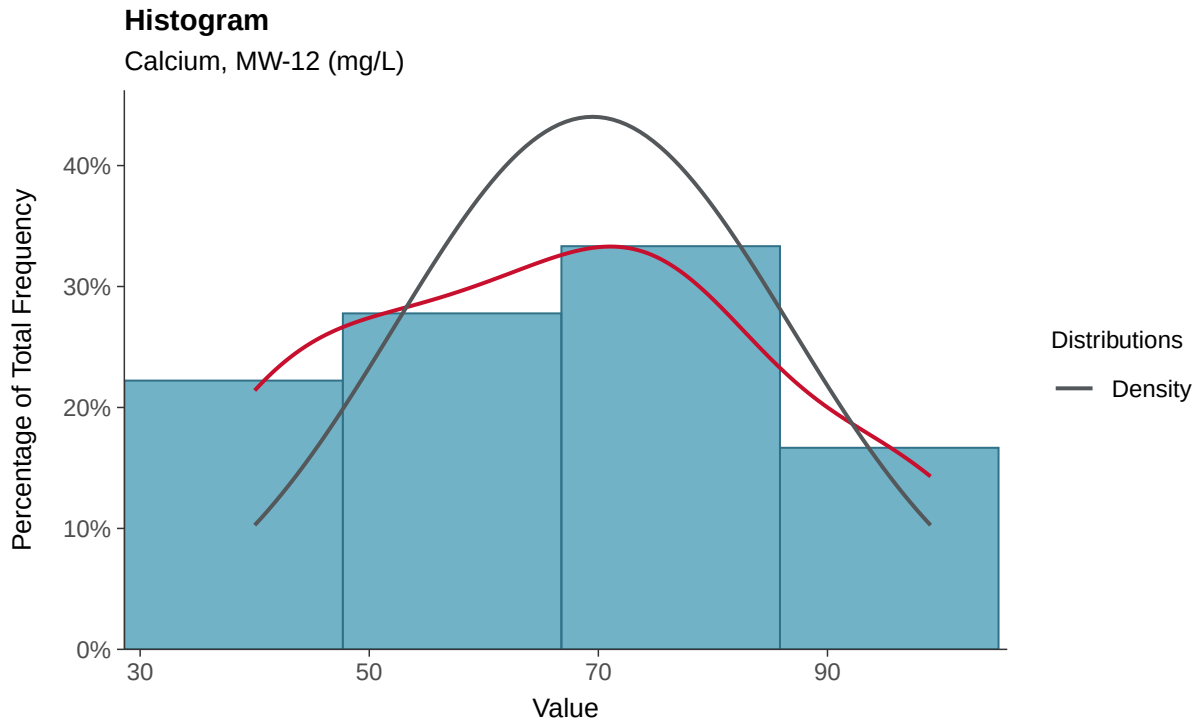
Boron, MW-12 (mg/L)



Appendix III: Calcium, MW-12

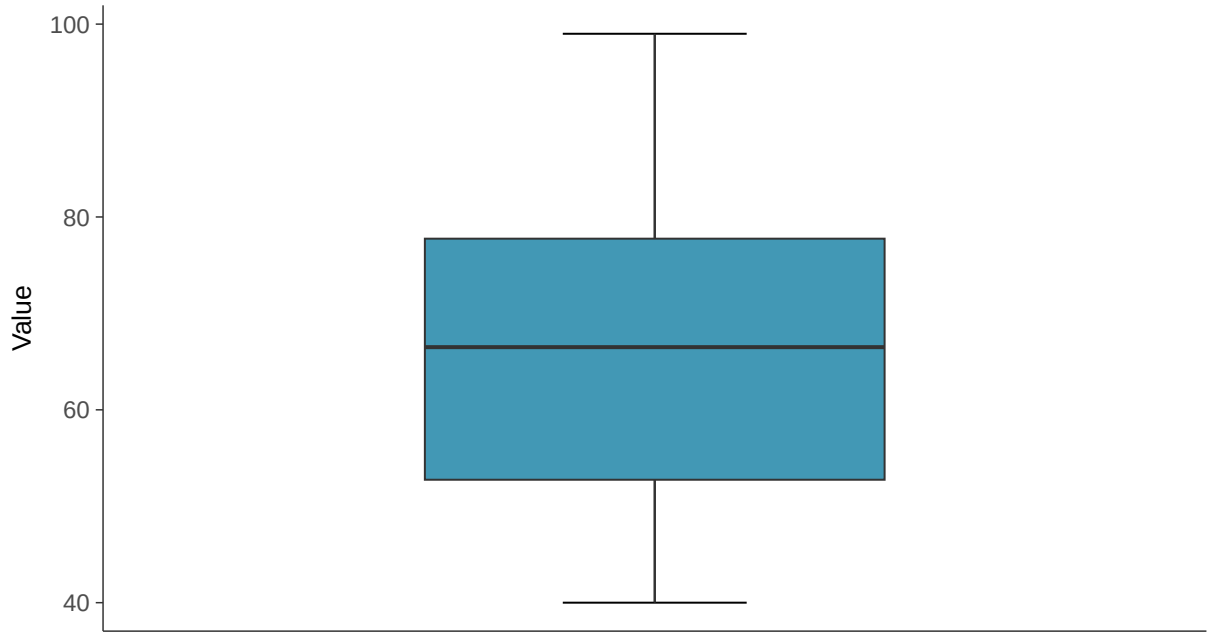
ID: 22_2_3_107





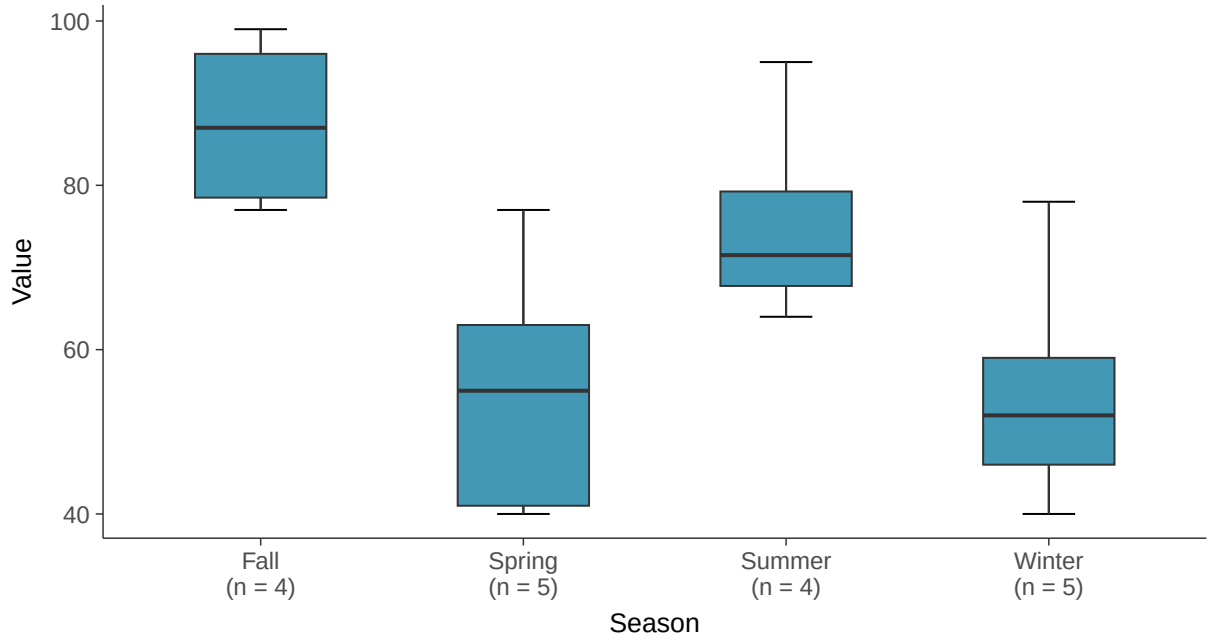
Boxplot

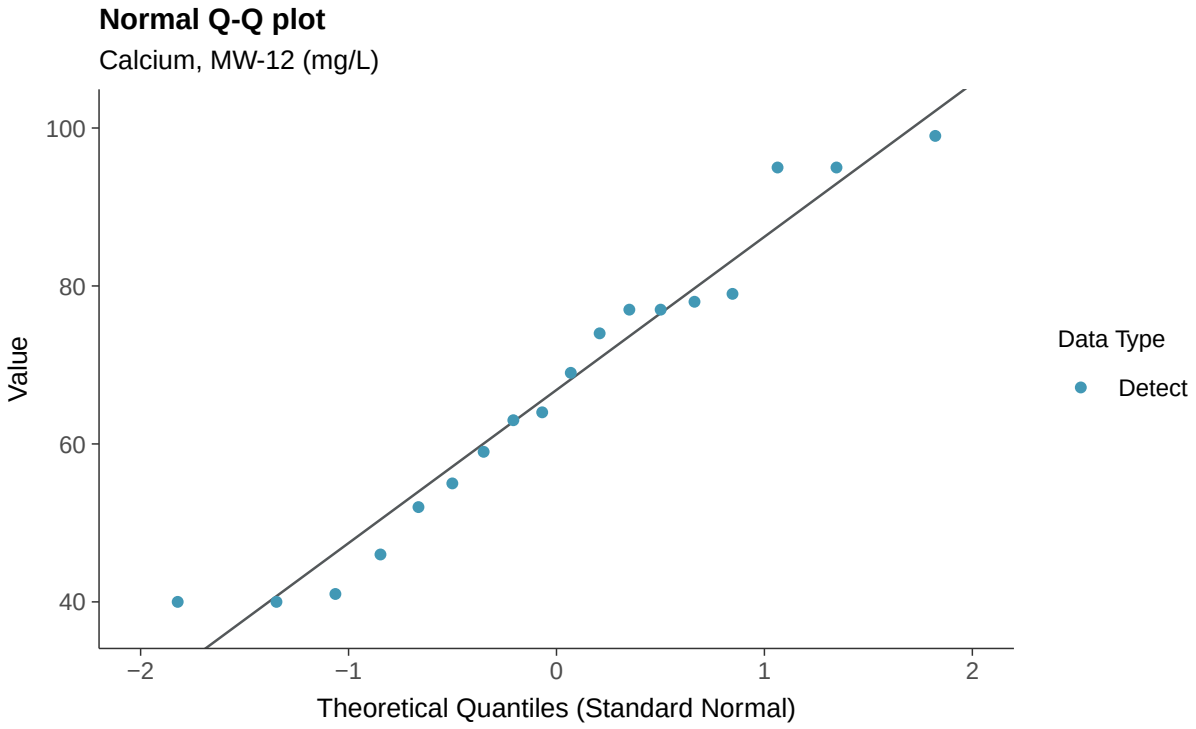
Calcium, MW-12 (mg/L)

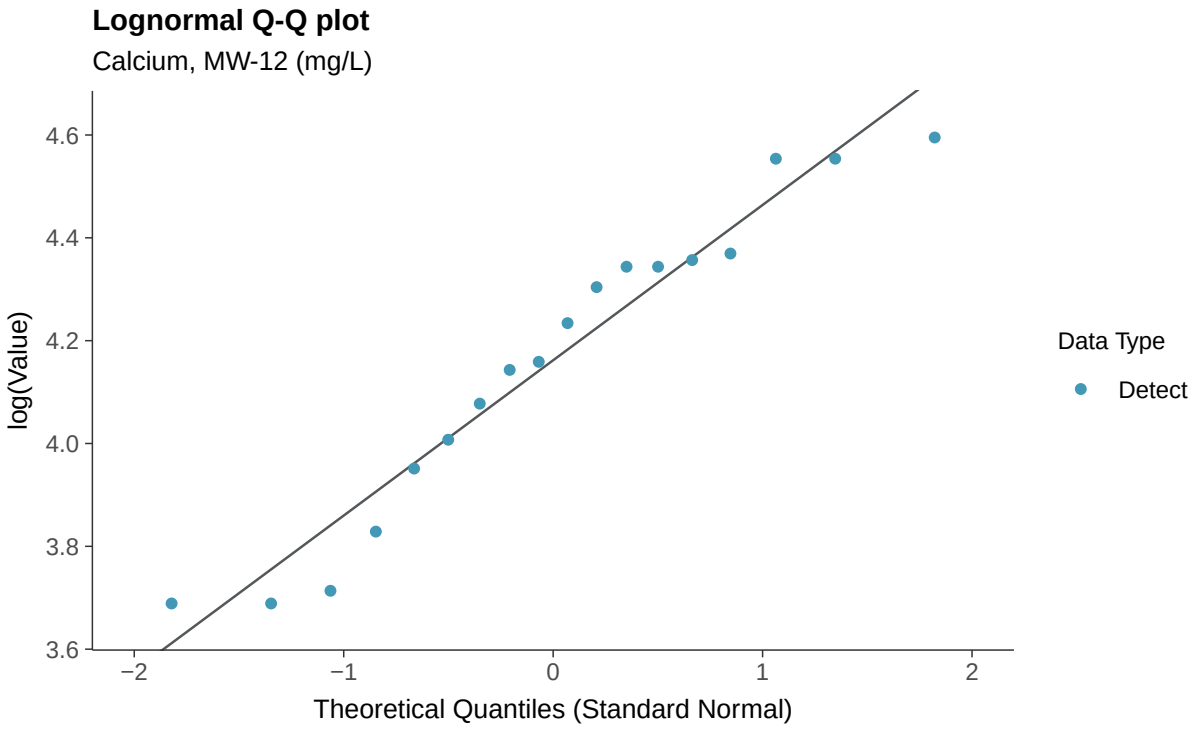


Boxplot by Season

Calcium, MW-12 (mg/L)

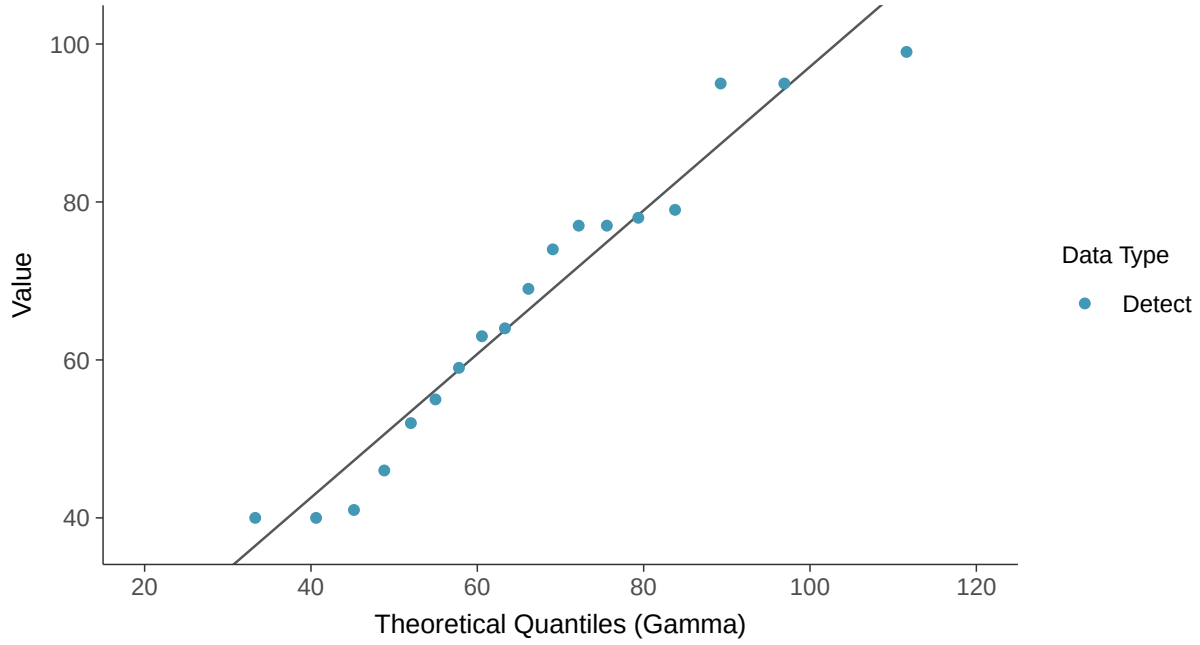



Normal Q-Q plot
Calcium, MW-12 (mg/L)
Value
100
80
60
40
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Calcium, MW-12 (mg/L)
log(Value)
4.6
4.4
4.2
4.0
3.8
3.6
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

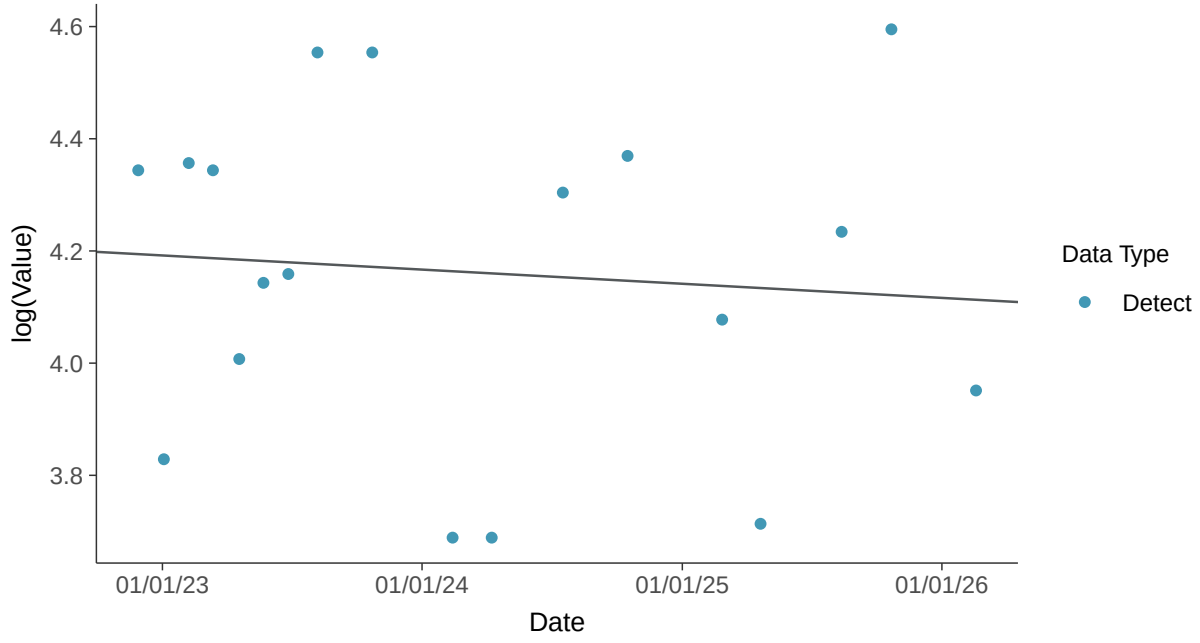
Gamma Q-Q plot

Calcium, MW-12 (mg/L)



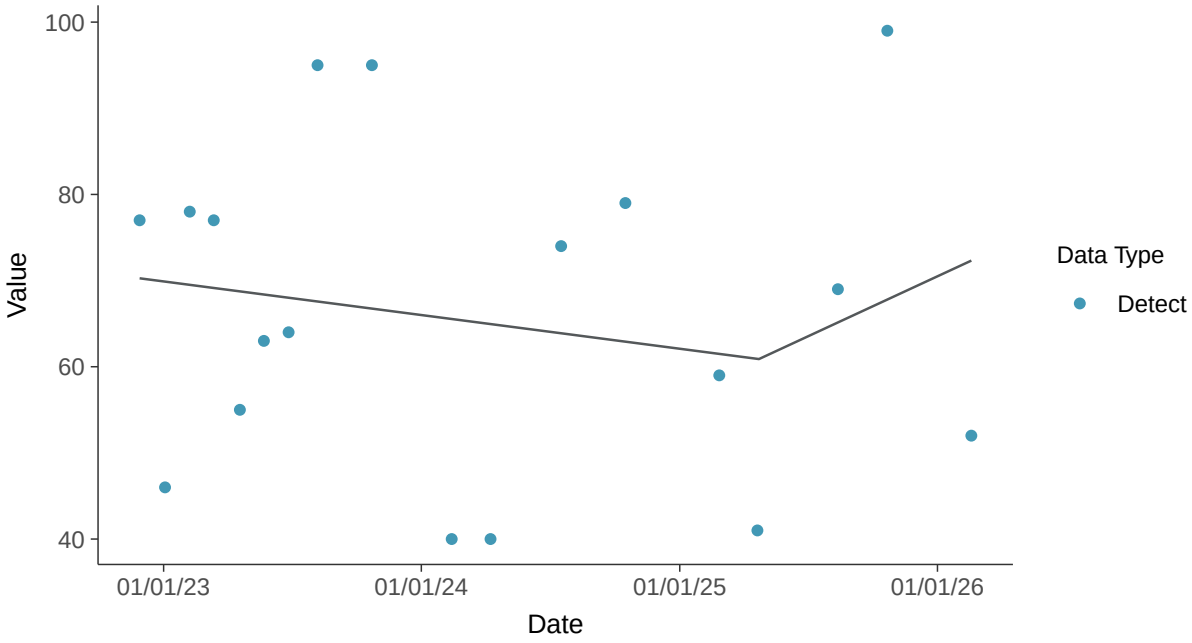
Trend Regression: Lognormal MLE

Calcium, MW-12 (mg/L)



Trend Regression: Piecewise Linear-Linear

Calcium, MW-12 (mg/L)

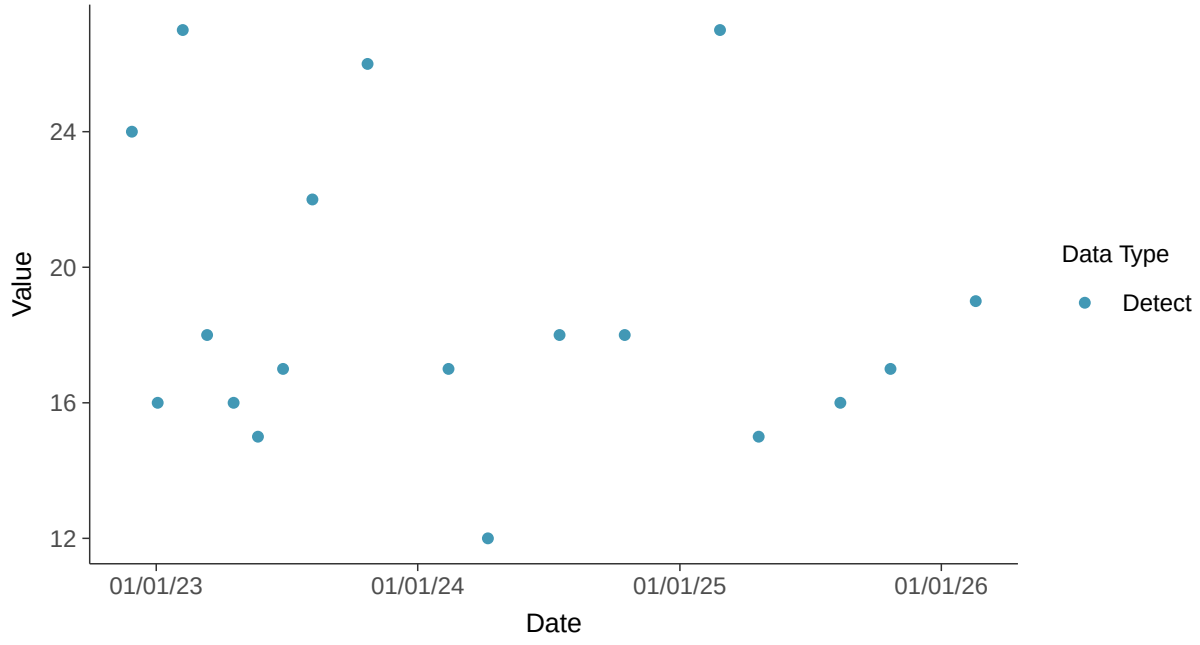


Appendix III: Chloride (as Cl), MW-12

ID: 22_2_3_108

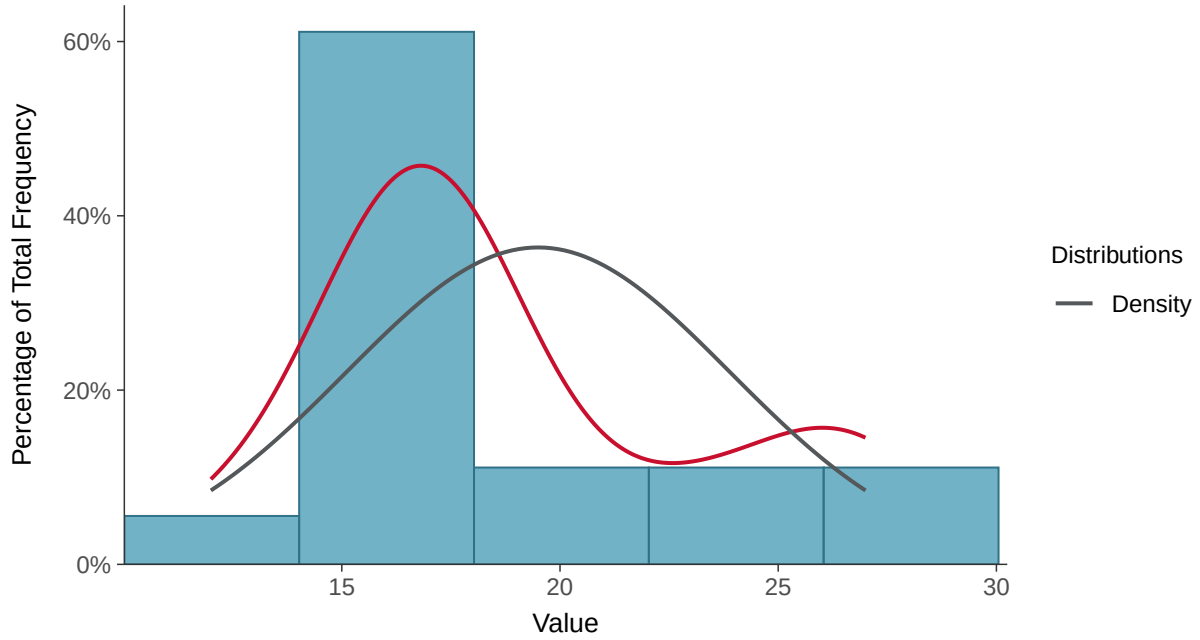
Scatter Plot

Chloride (as Cl), MW-12 (mg/L)



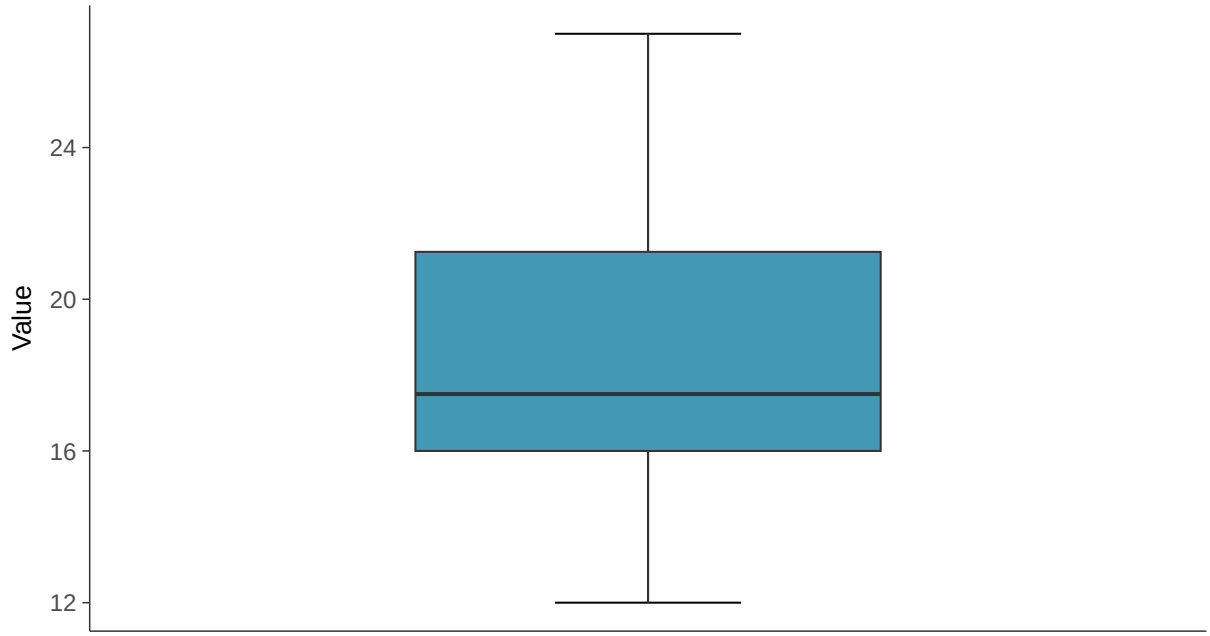
Histogram

Chloride (as Cl), MW-12 (mg/L)



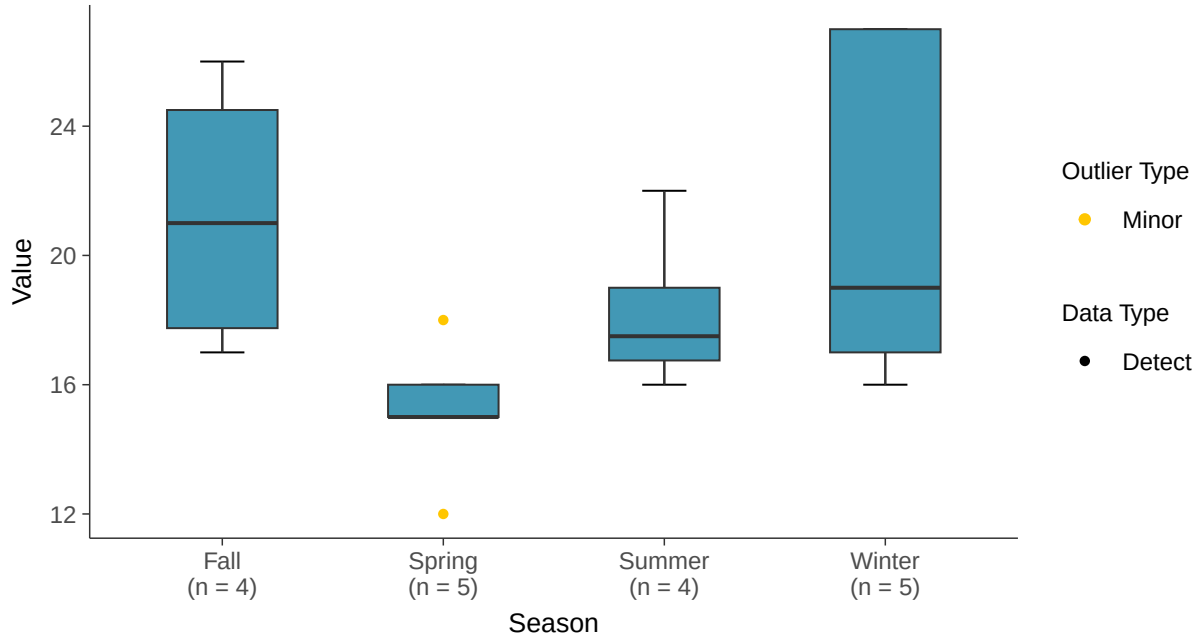
Boxplot

Chloride (as Cl), MW-12 (mg/L)



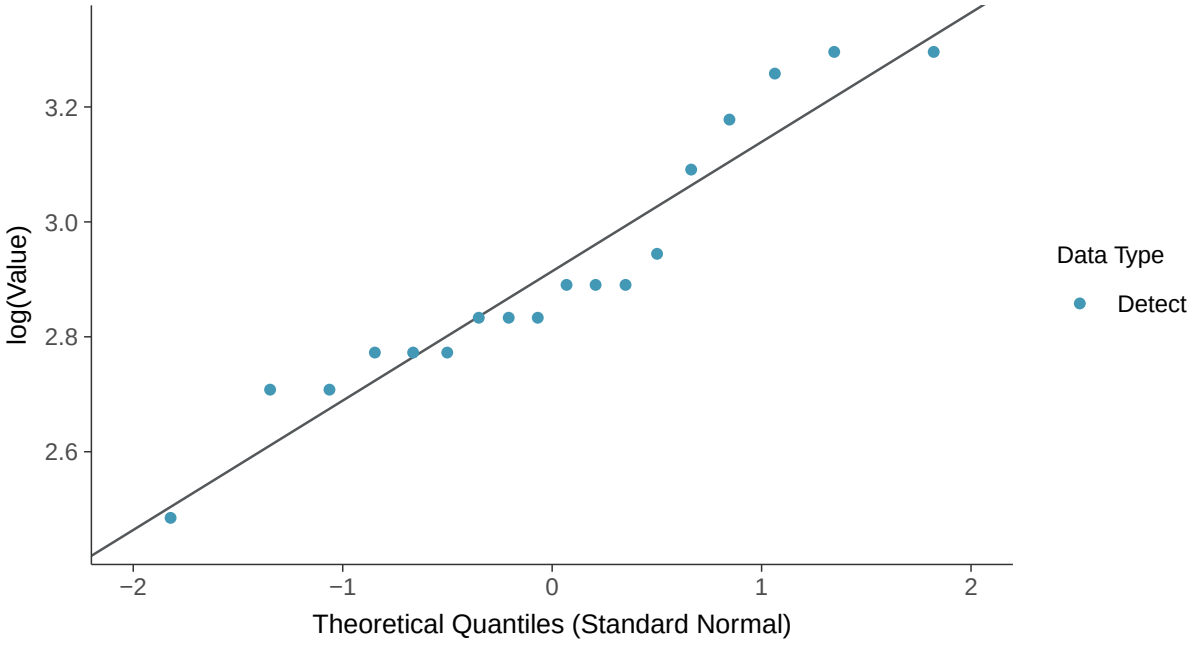
Boxplot by Season

Chloride (as Cl), MW-12 (mg/L)



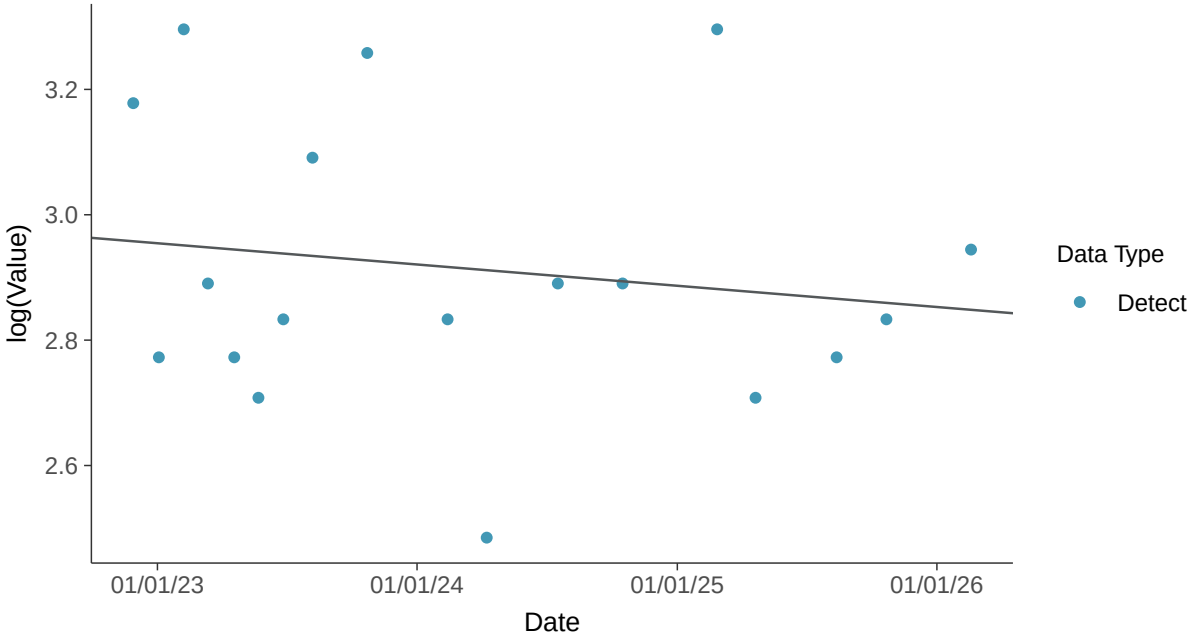
Lognormal Q-Q plot

Chloride (as Cl), MW-12 (mg/L)



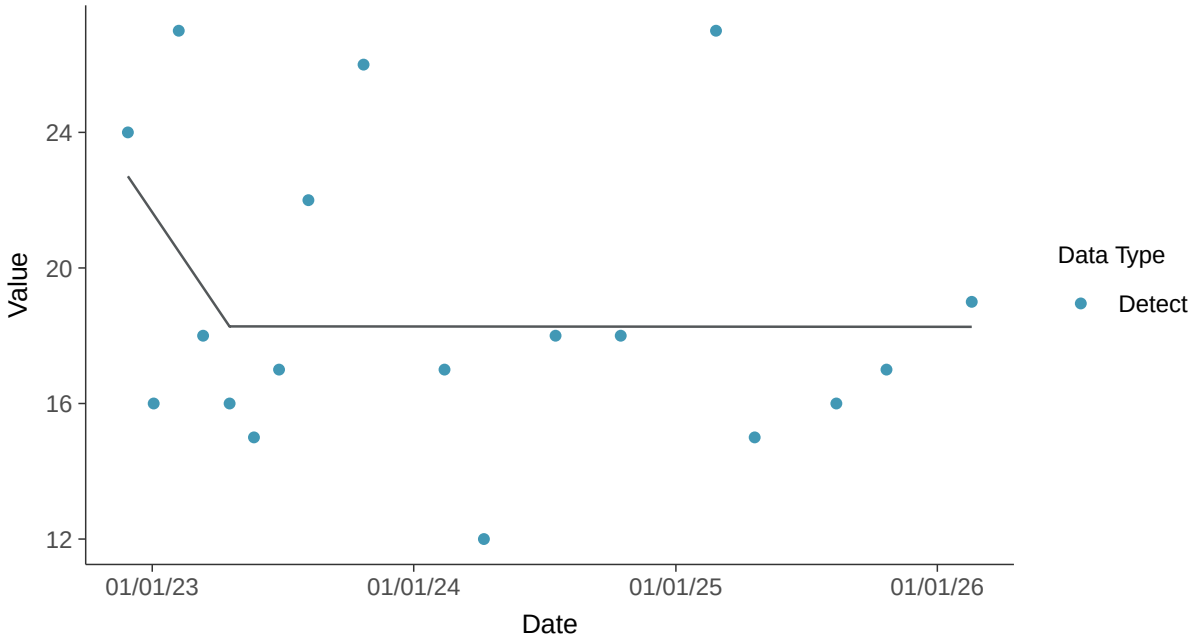
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-12 (mg/L)



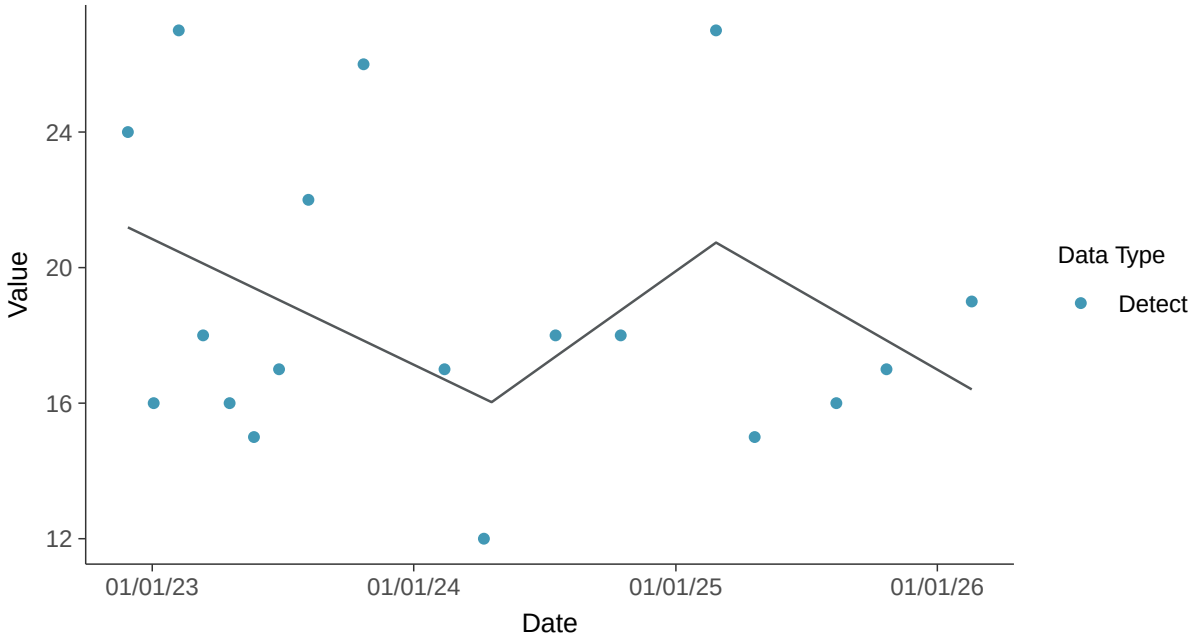
Trend Regression: Piecewise Linear-Linear

Chloride (as Cl), MW-12 (mg/L)



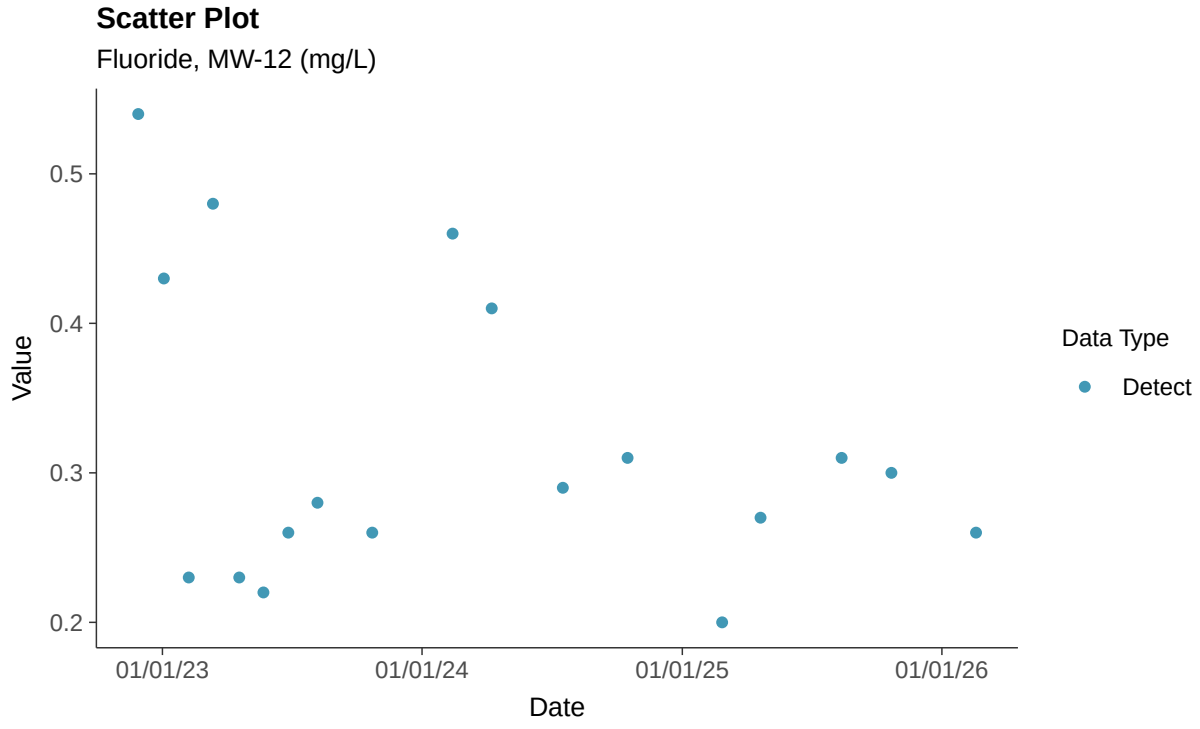
Trend Regression: Piecewise Linear-Linear-Linear

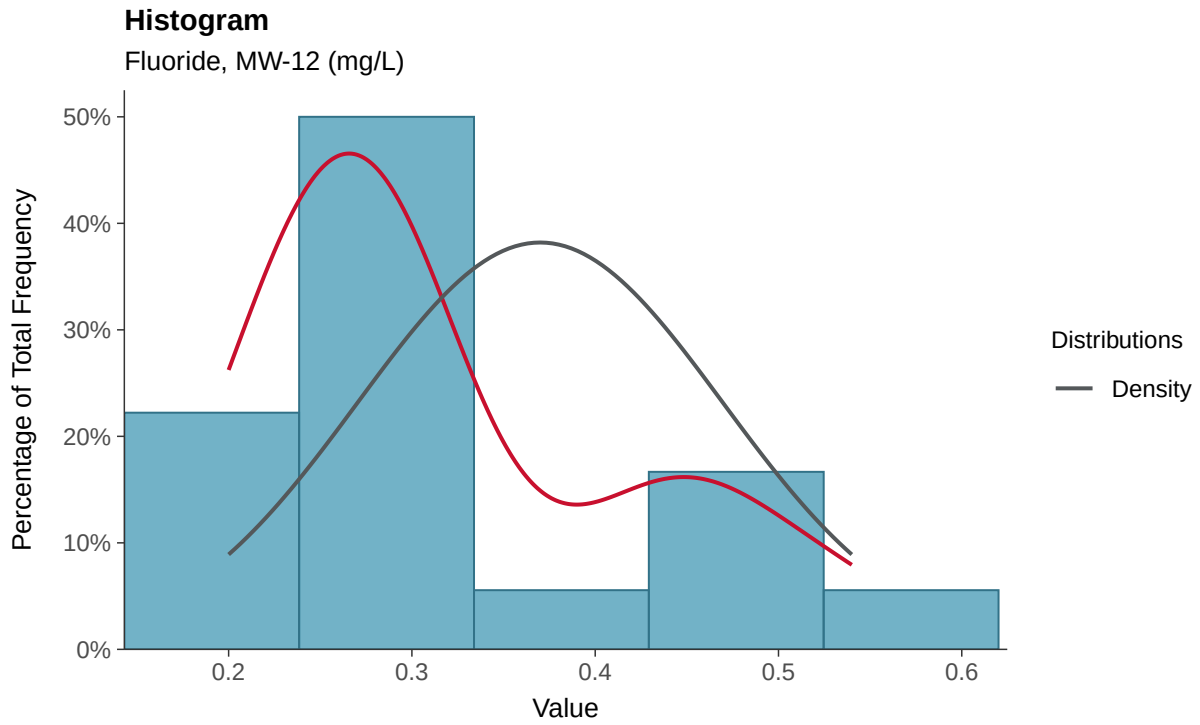
Chloride (as Cl), MW-12 (mg/L)



Appendix III: Fluoride, MW-12

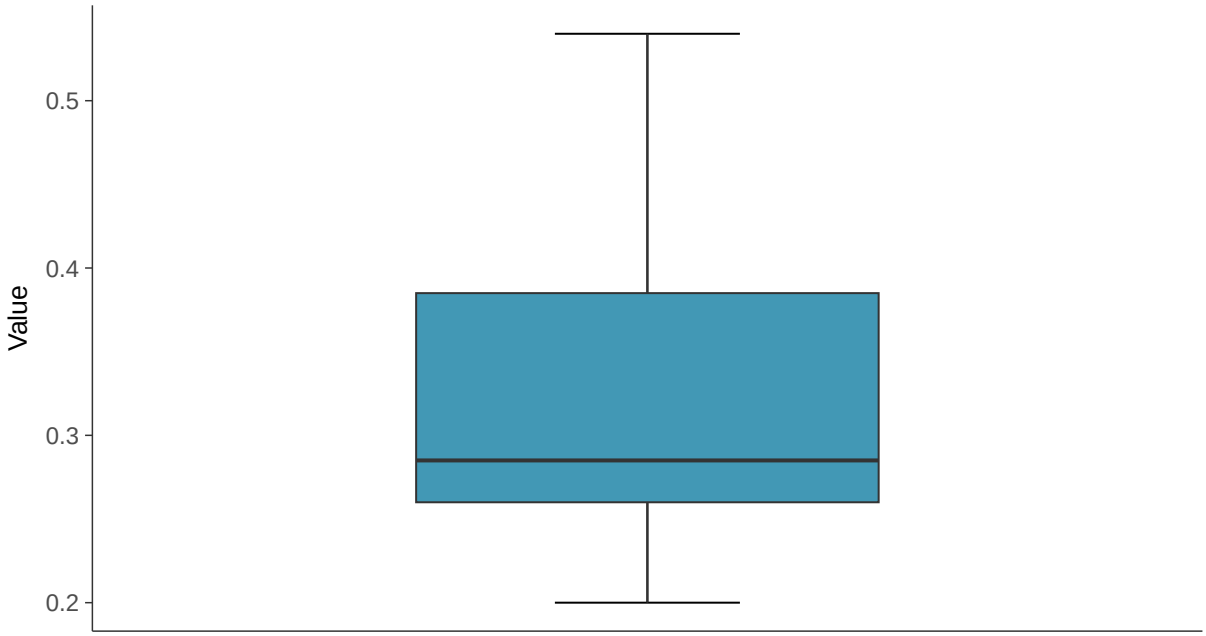
ID: 22_2_3_112





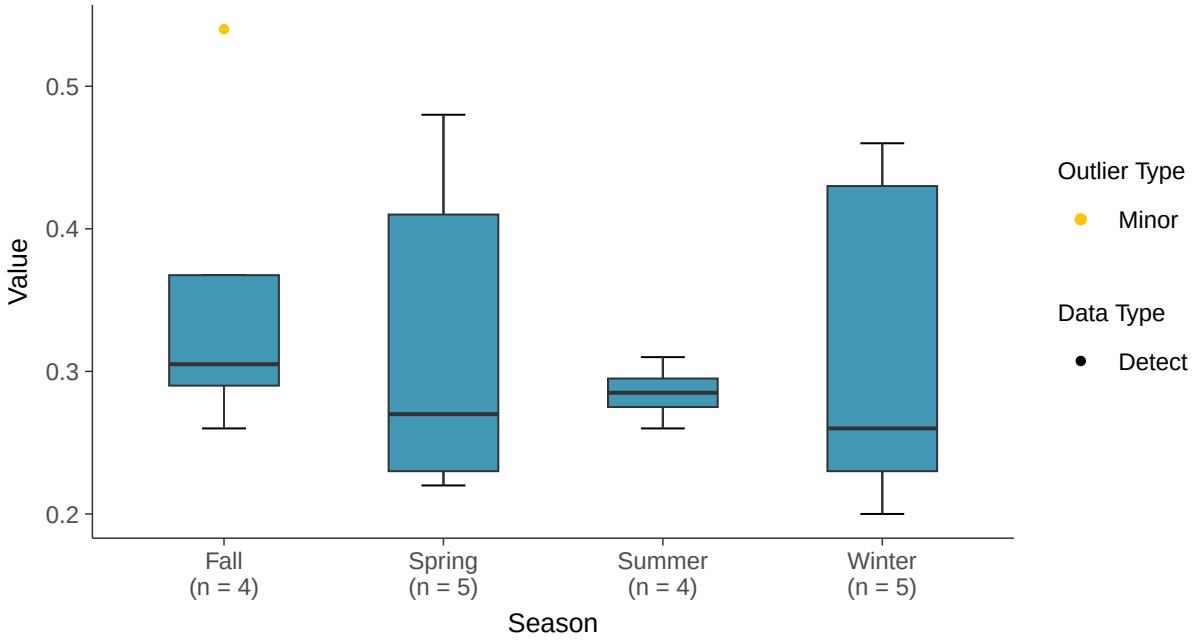
Boxplot

Fluoride, MW-12 (mg/L)



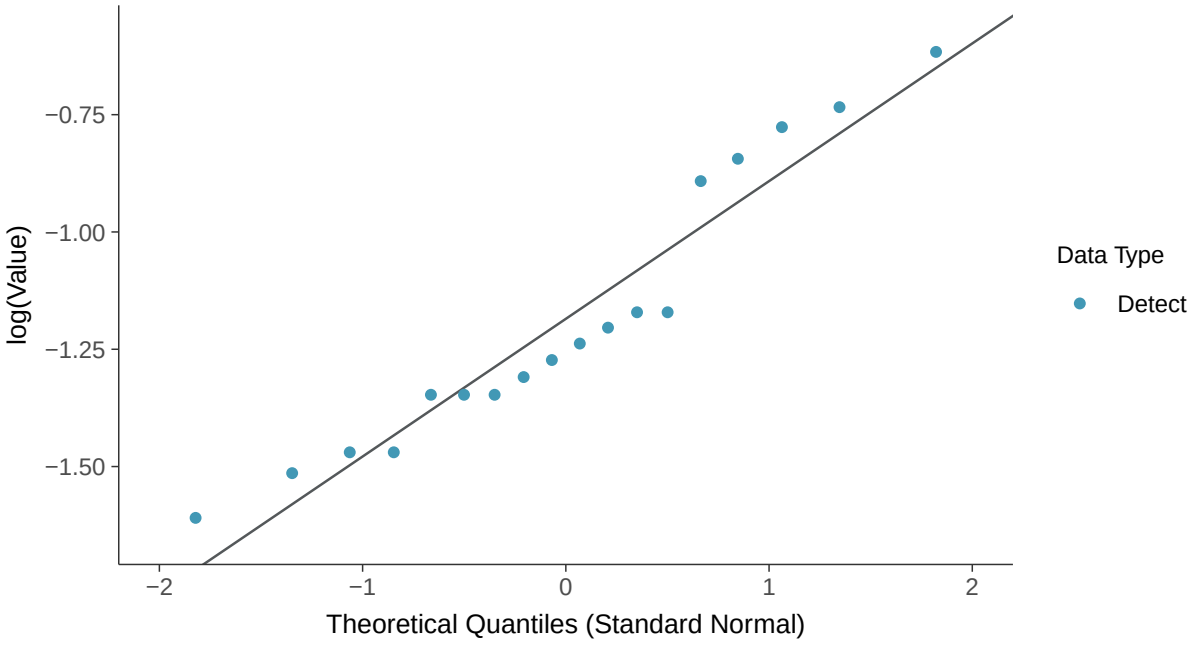
Boxplot by Season

Fluoride, MW-12 (mg/L)



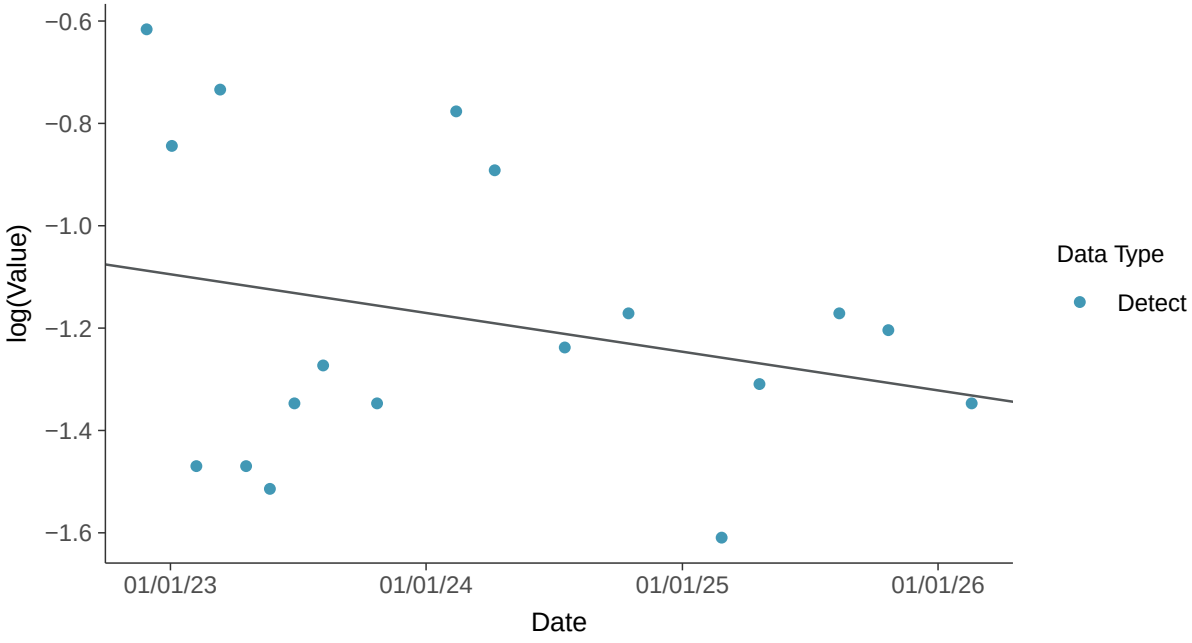
Lognormal Q-Q plot

Fluoride, MW-12 (mg/L)



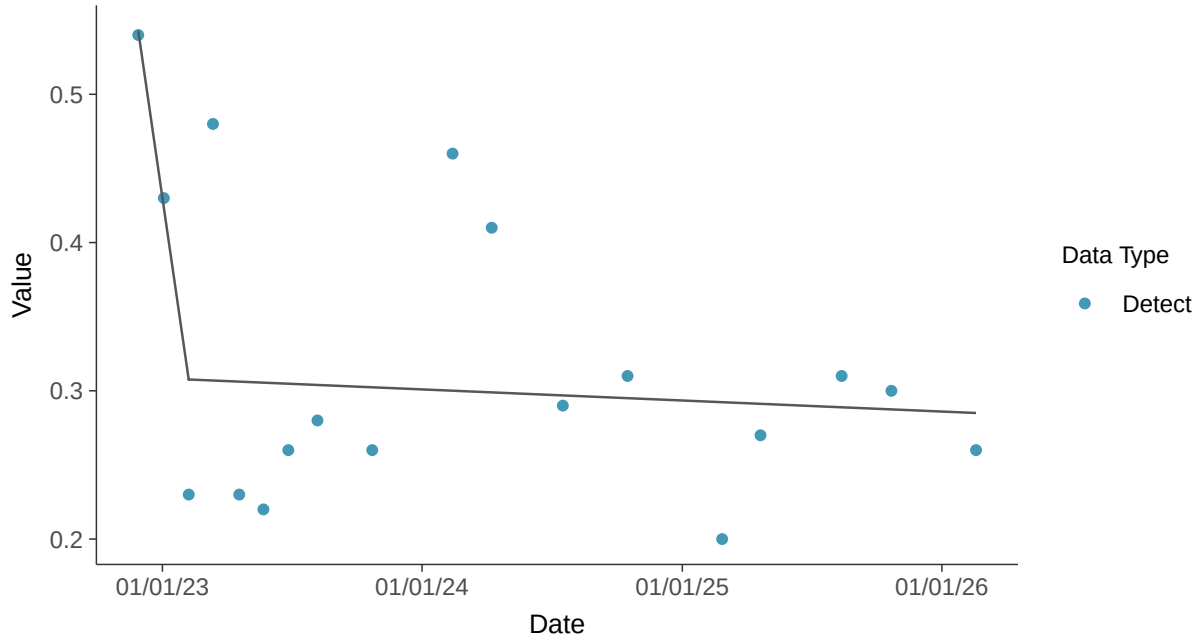
Trend Regression: Lognormal MLE

Fluoride, MW-12 (mg/L)



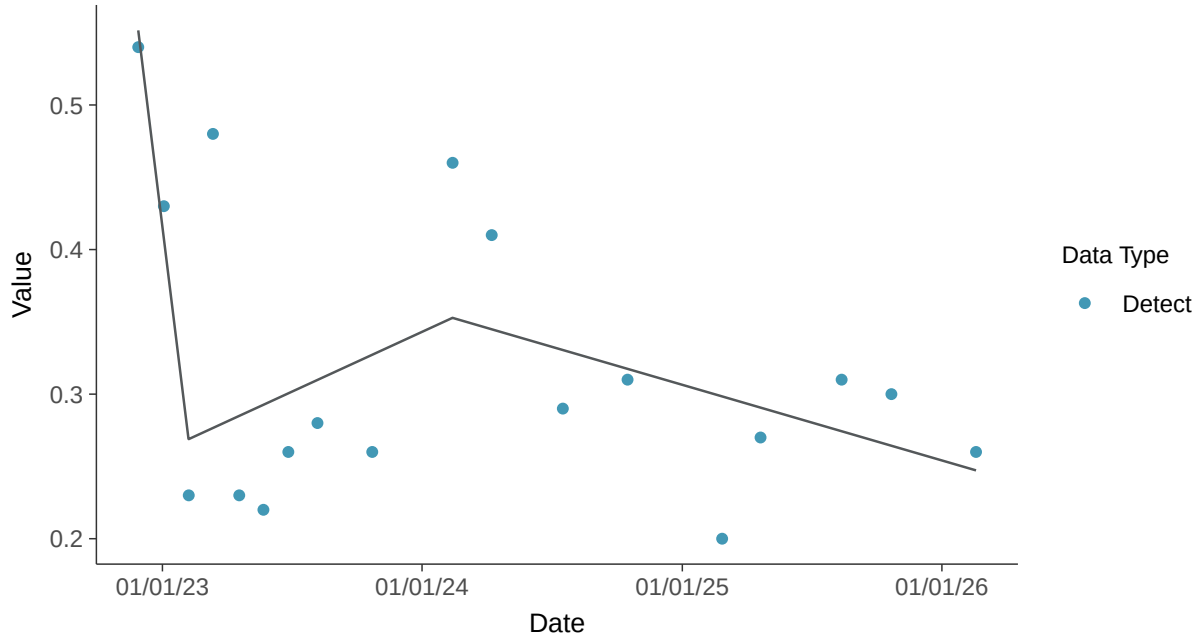
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-12 (mg/L)



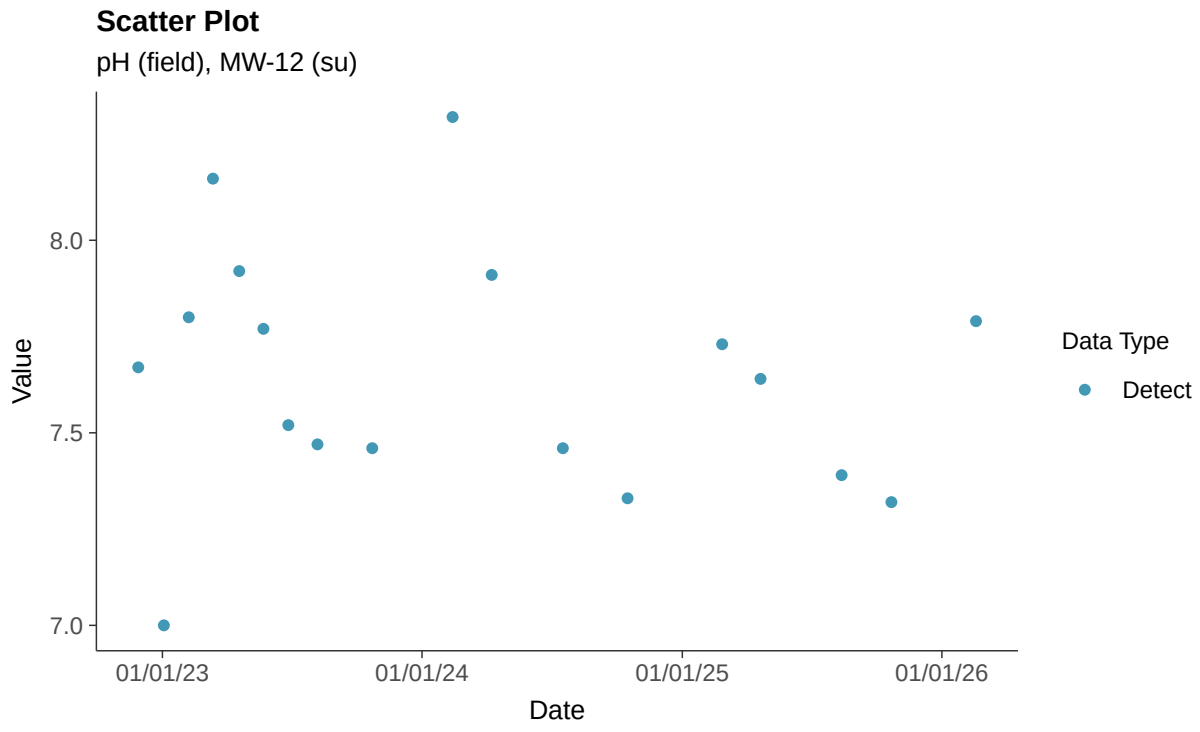
Trend Regression: Piecewise Linear-Linear-Linear

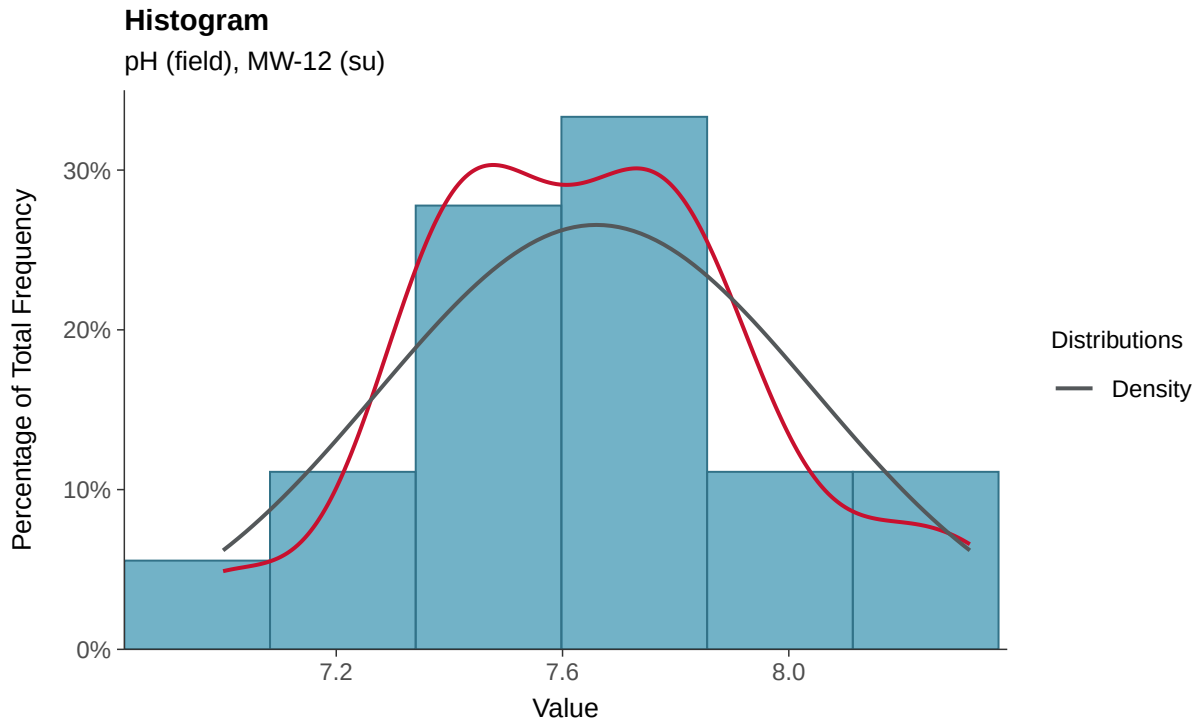
Fluoride, MW-12 (mg/L)



Appendix III: pH (field), MW-12

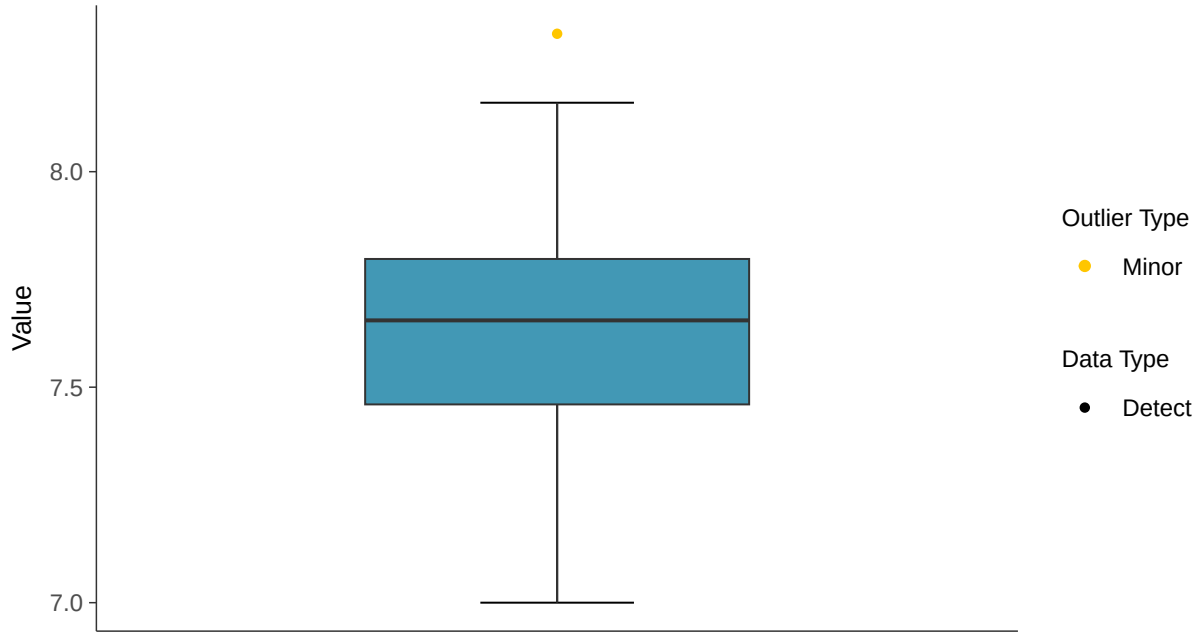
ID: 22_2_3_120





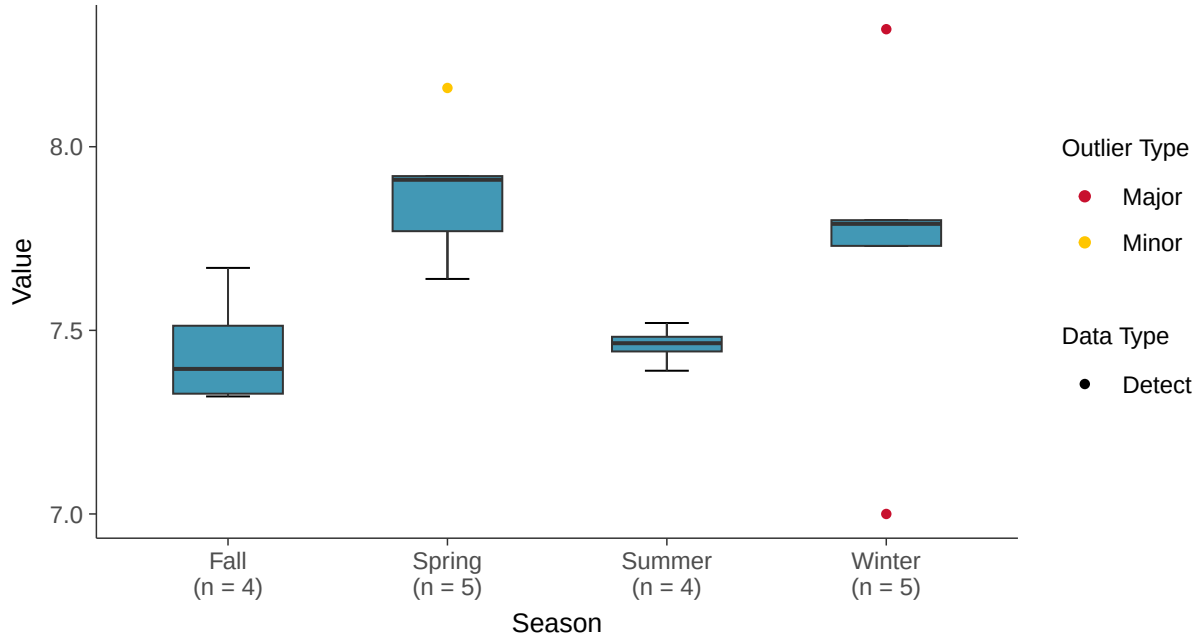
Boxplot

pH (field), MW-12 (su)



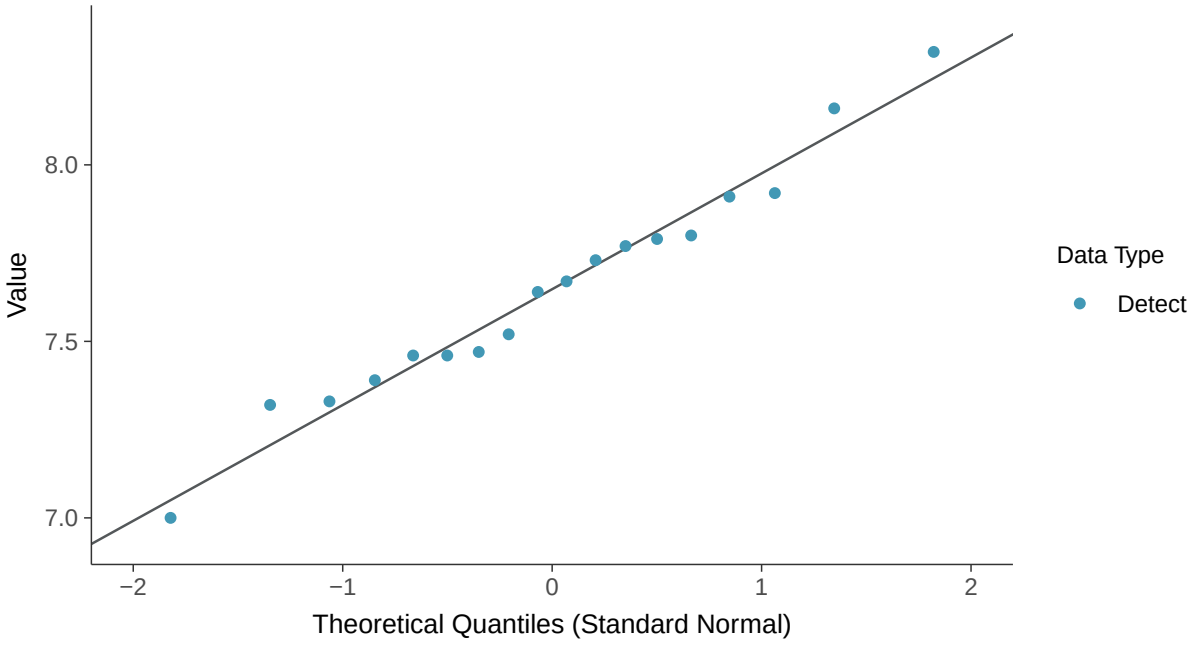
Boxplot by Season

pH (field), MW-12 (su)



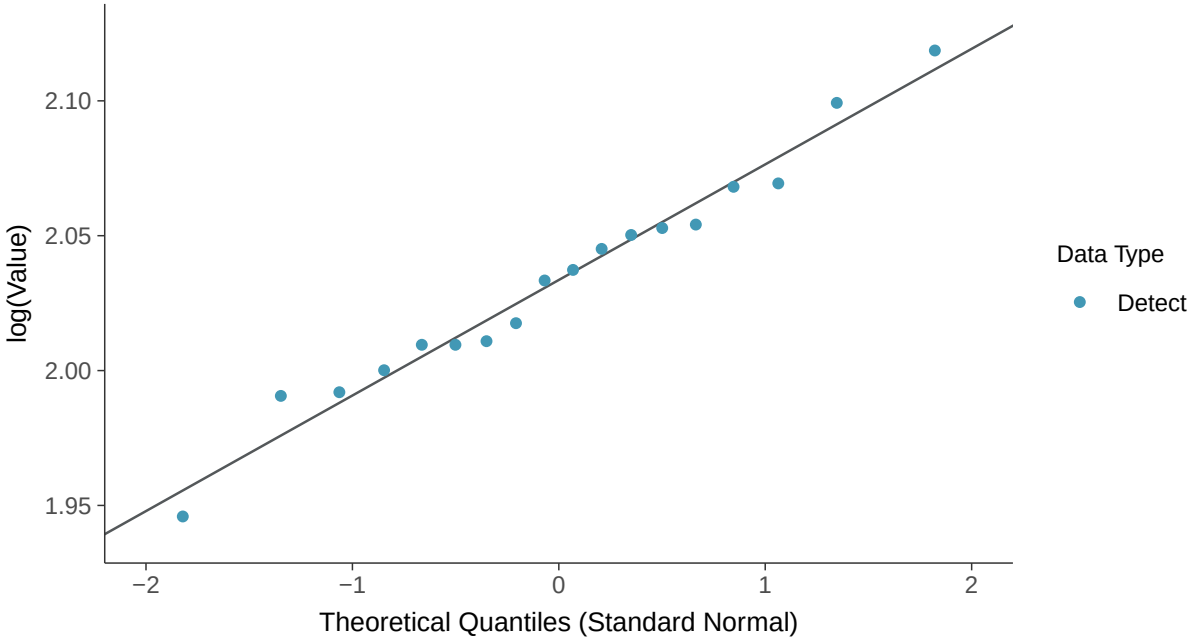
Normal Q-Q plot

pH (field), MW-12 (su)



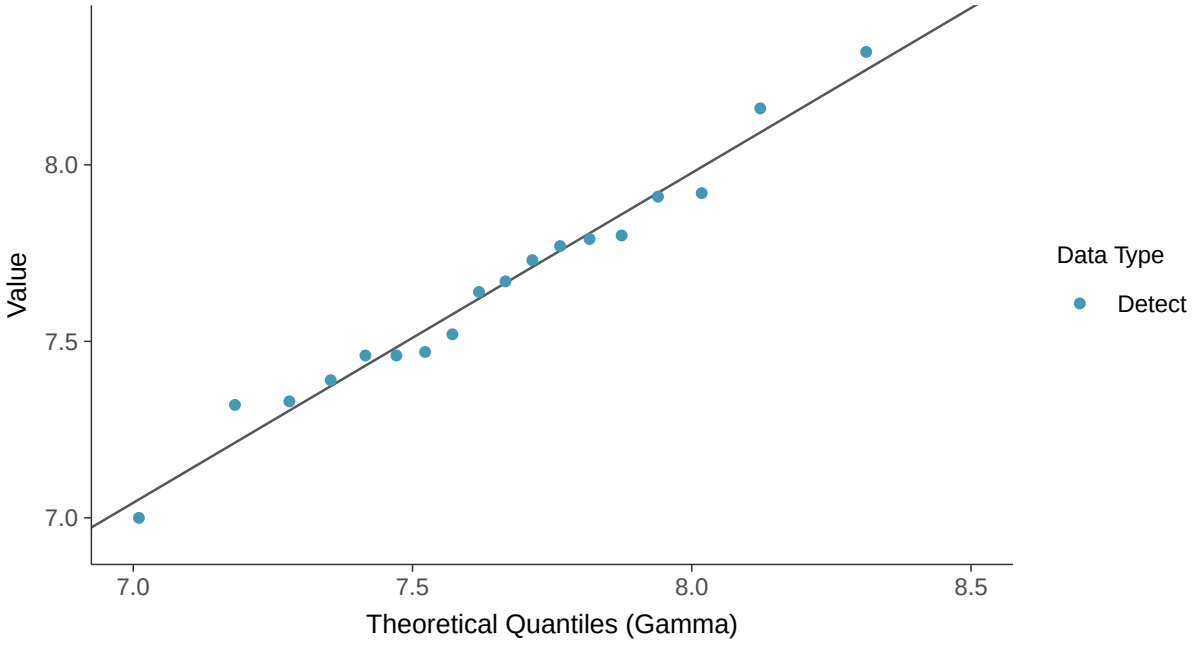
Lognormal Q-Q plot

pH (field), MW-12 (su)



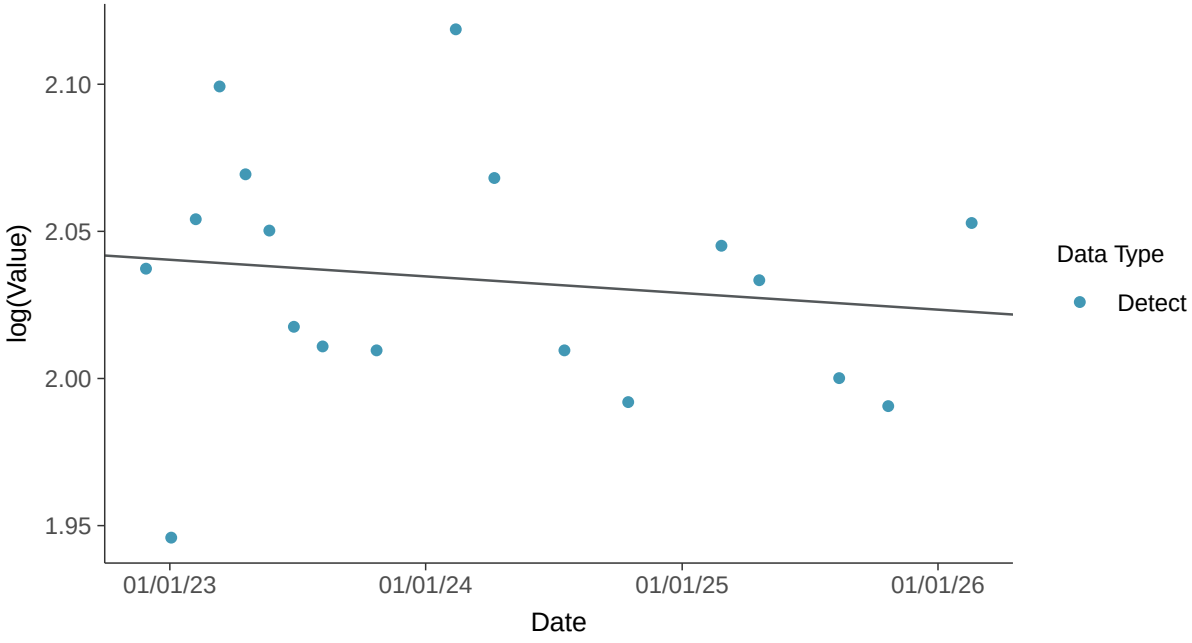
Gamma Q-Q plot

pH (field), MW-12 (su)



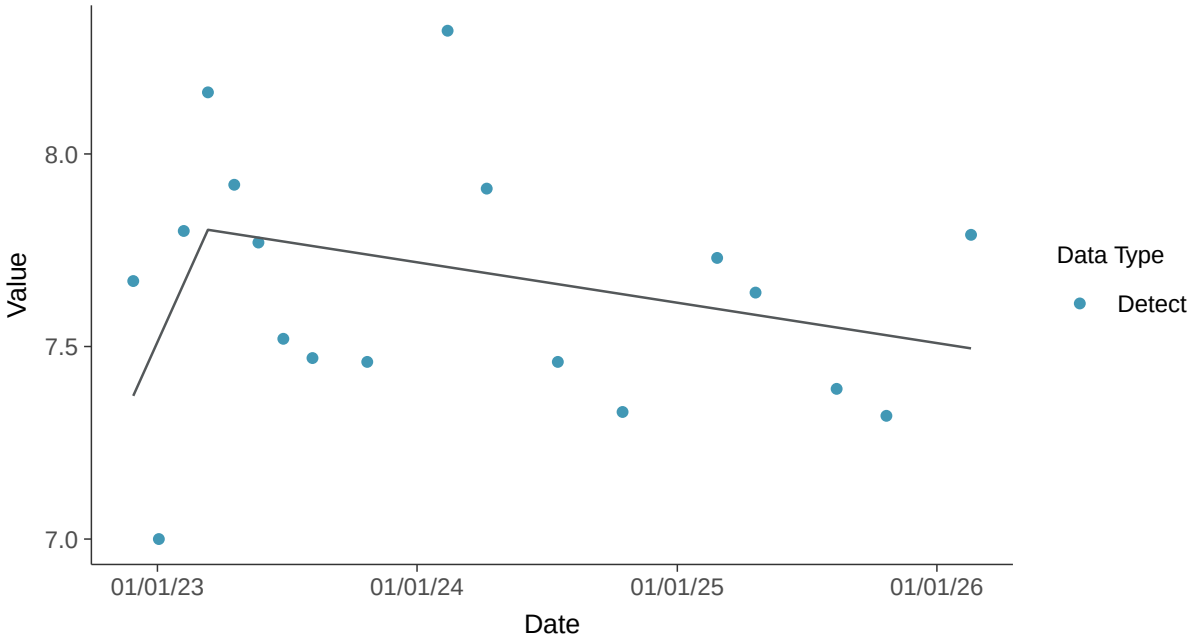
Trend Regression: Lognormal MLE

pH (field), MW-12 (su)



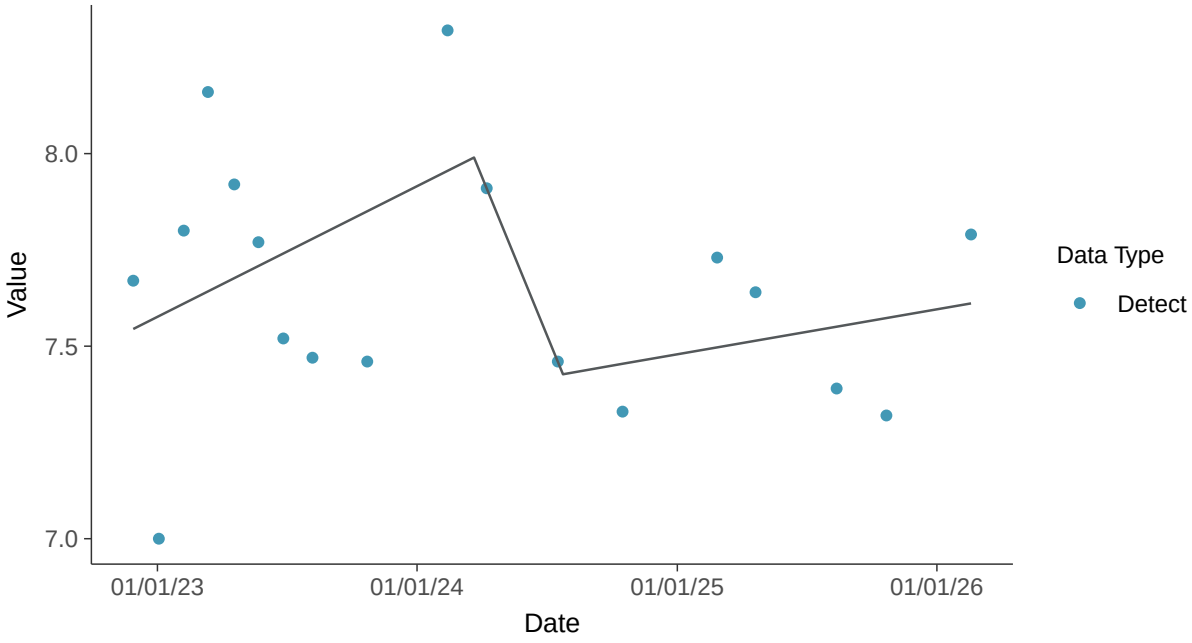
Trend Regression: Piecewise Linear-Linear

pH (field), MW-12 (su)



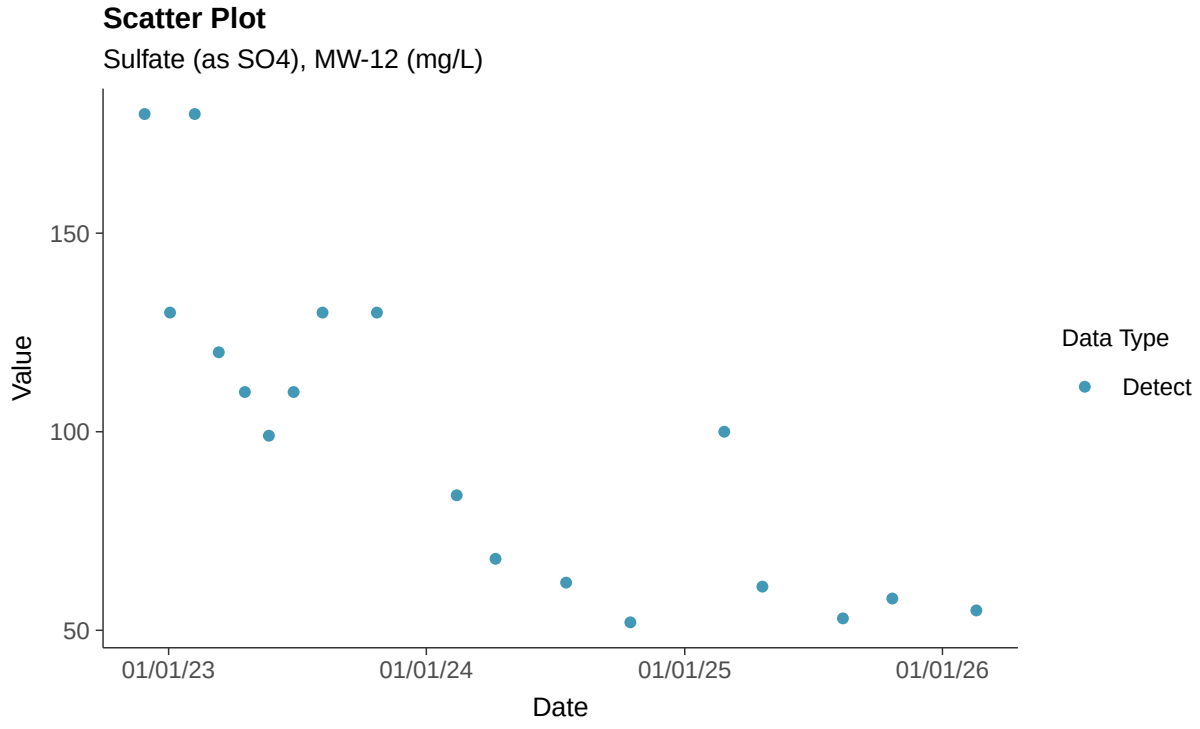
Trend Regression: Piecewise Linear-Linear-Linear

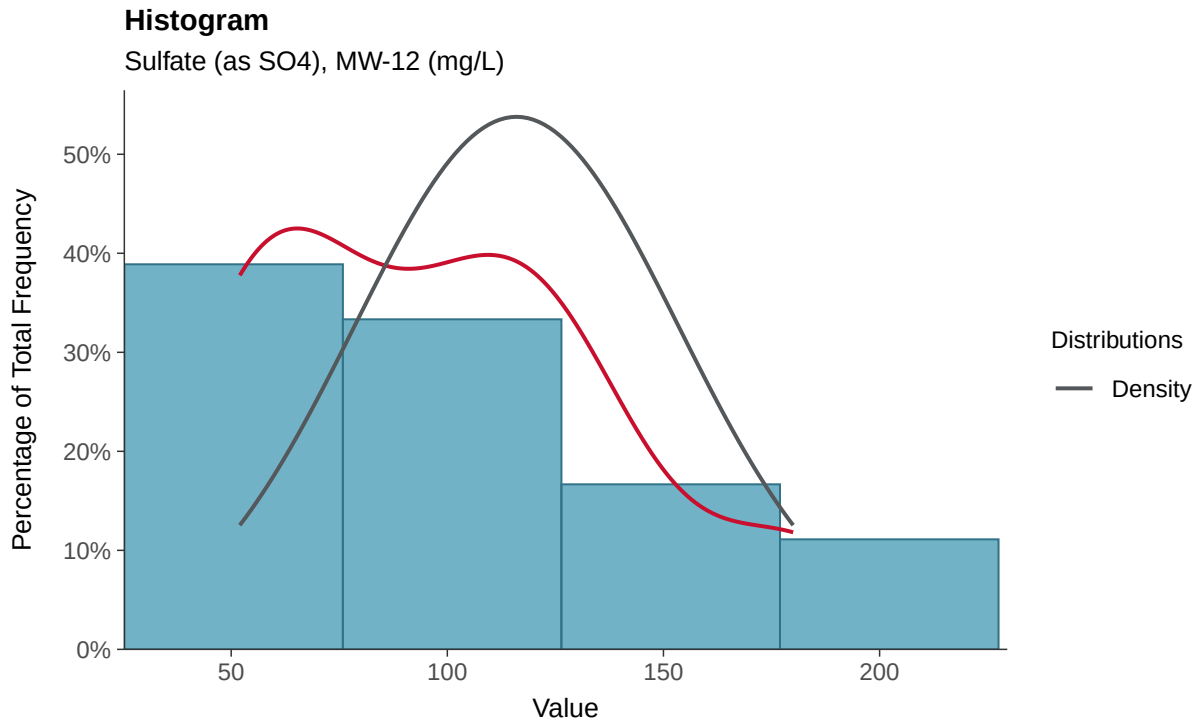
pH (field), MW-12 (su)



Appendix III: Sulfate (as SO4), MW-12

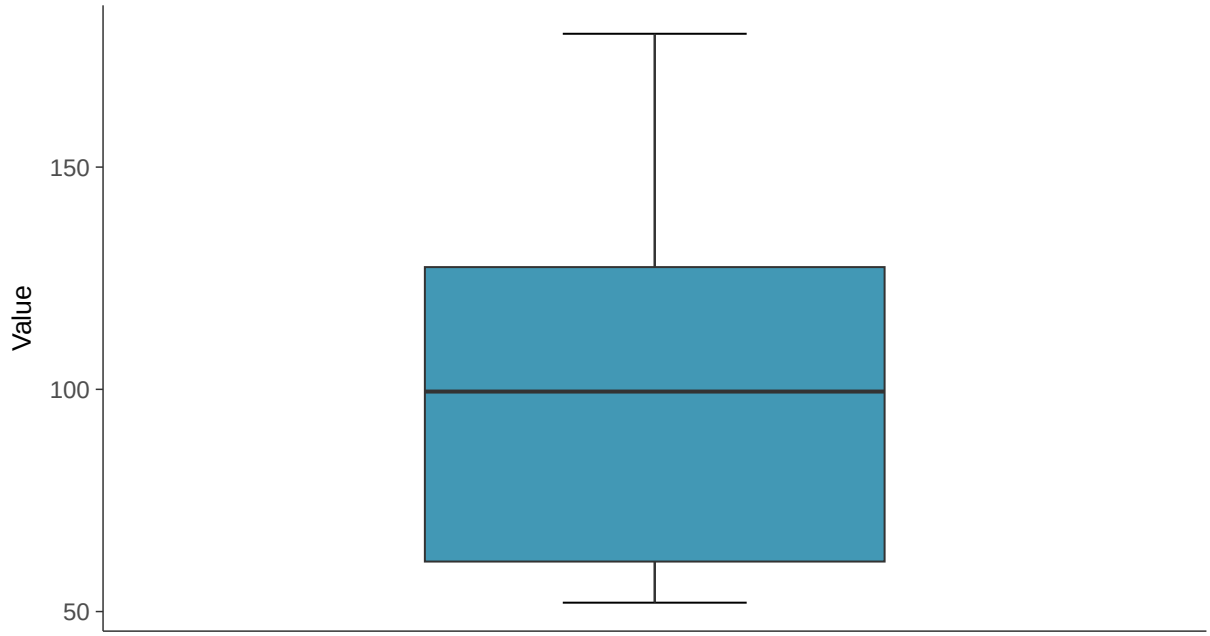
ID: 22_2_3_124





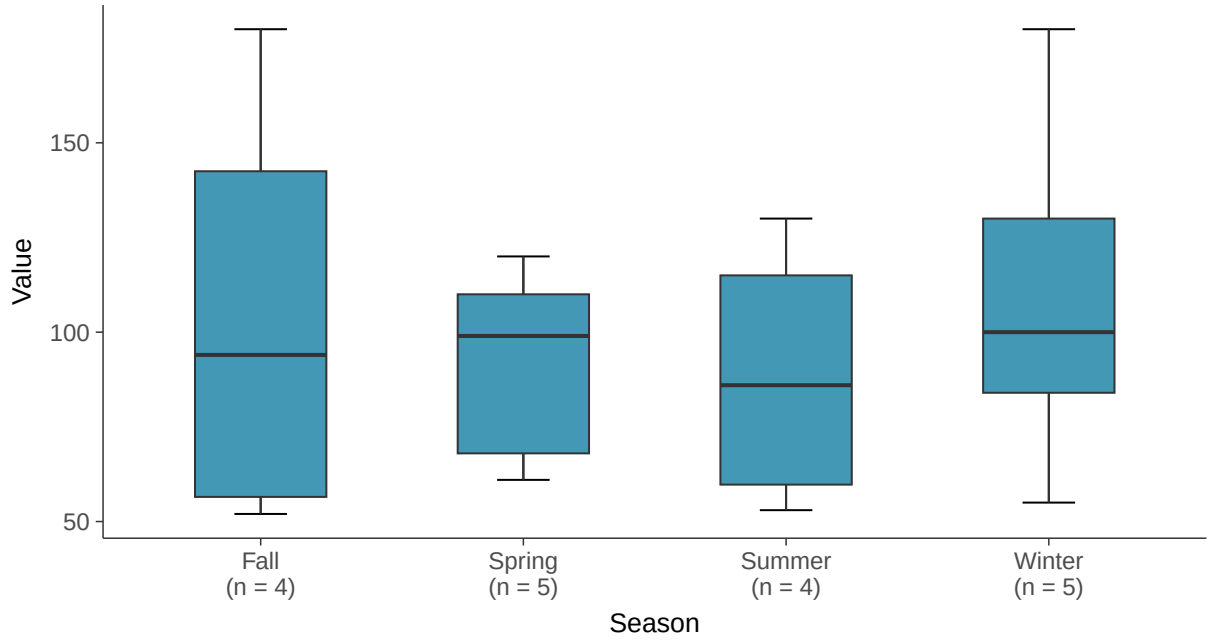
Boxplot

Sulfate (as SO4), MW-12 (mg/L)



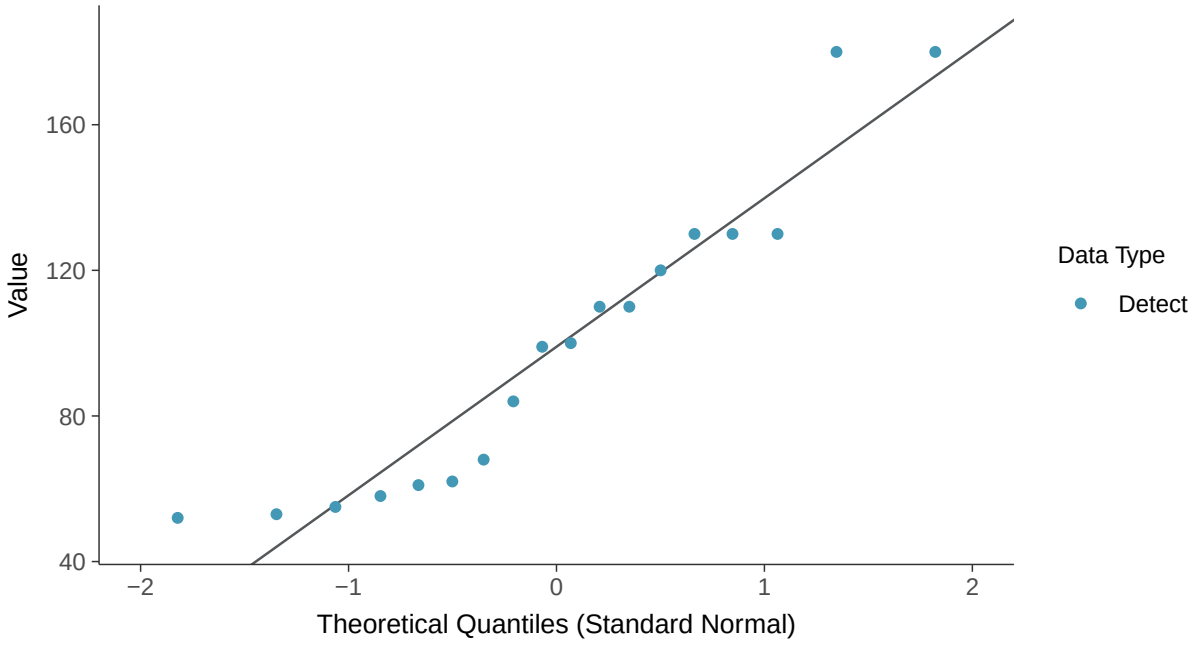
Boxplot by Season

Sulfate (as SO4), MW-12 (mg/L)



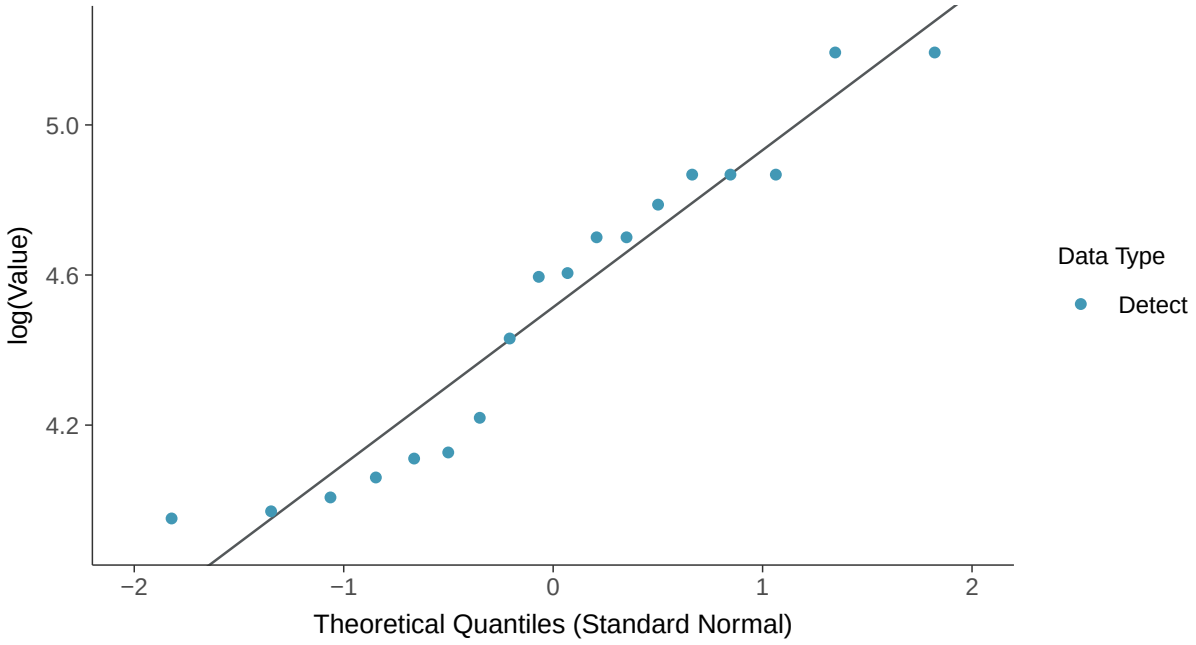
Normal Q-Q plot

Sulfate (as SO4), MW-12 (mg/L)



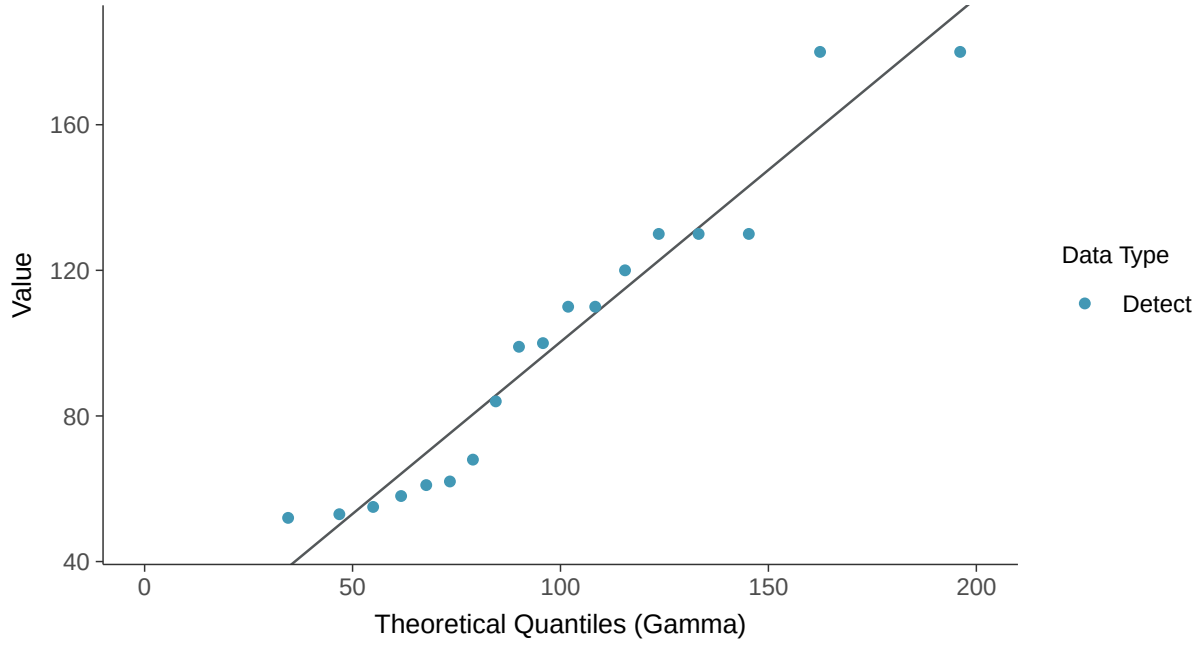
Lognormal Q-Q plot

Sulfate (as SO4), MW-12 (mg/L)



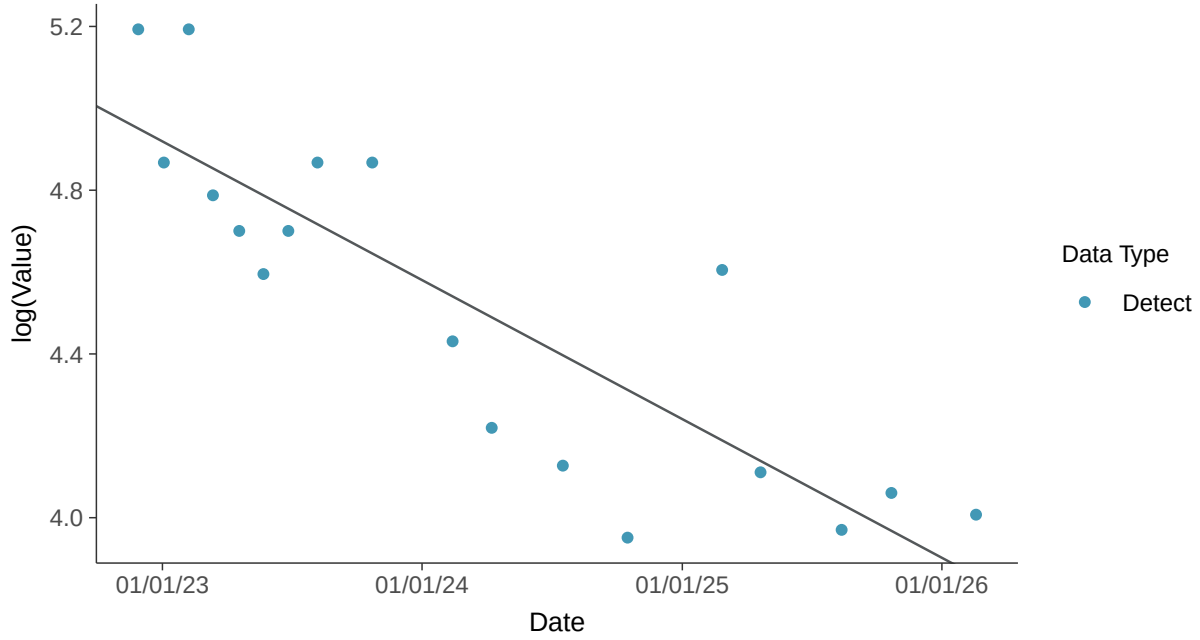
Gamma Q-Q plot

Sulfate (as SO4), MW-12 (mg/L)



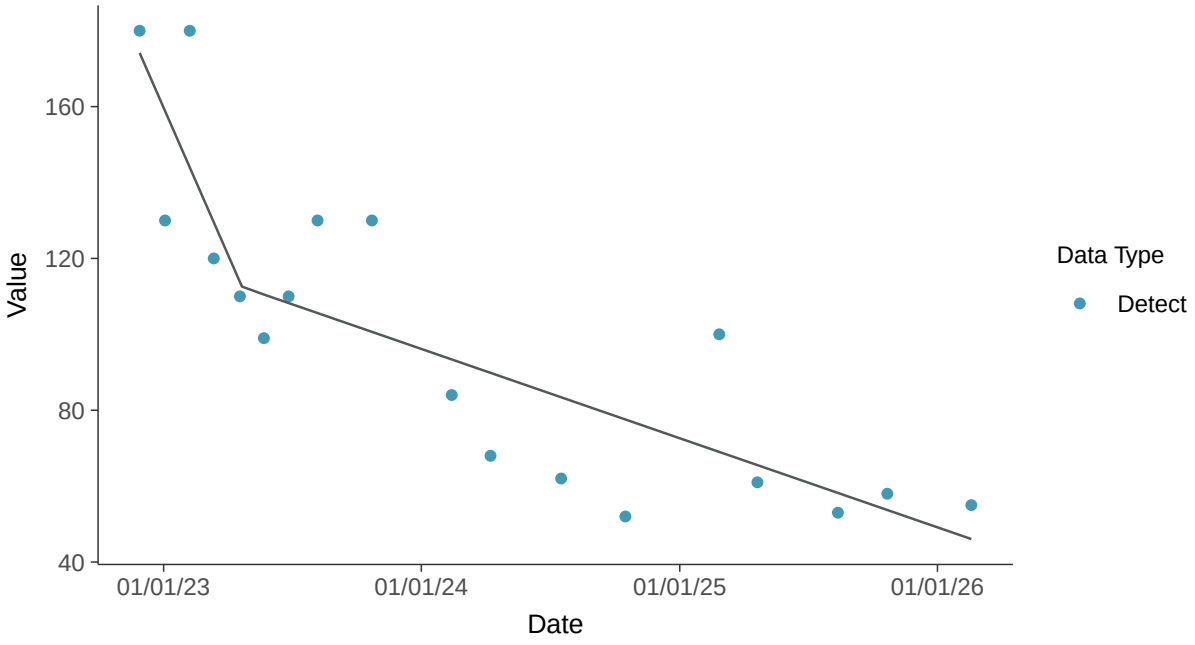
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-12 (mg/L)



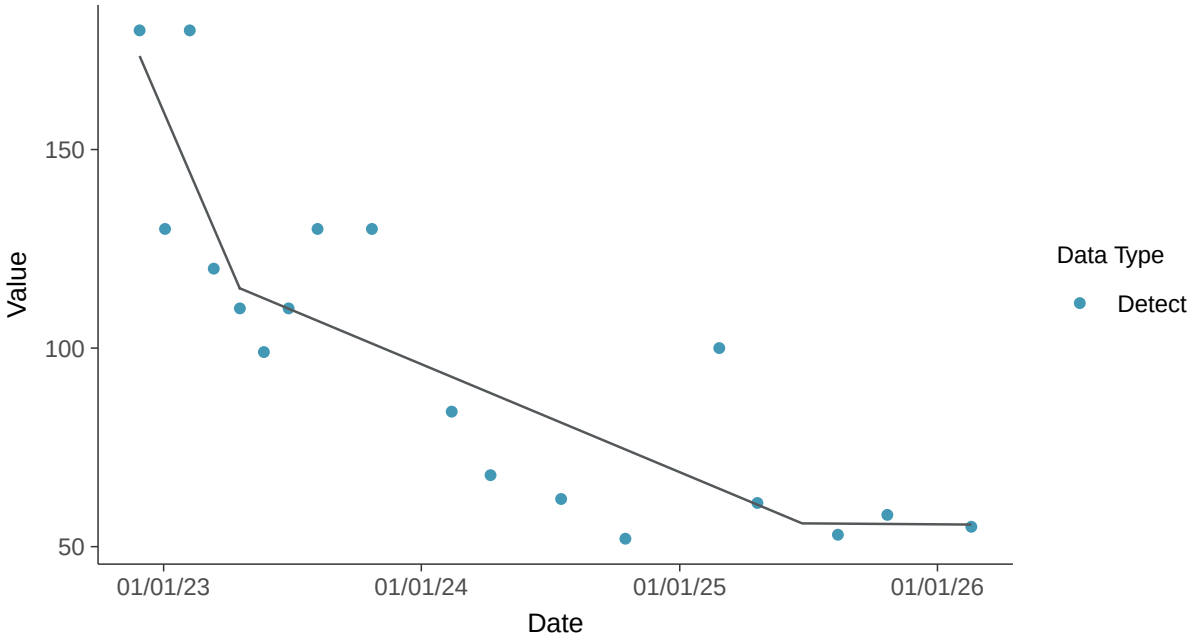
Trend Regression: Piecewise Linear-Linear

Sulfate (as SO4), MW-12 (mg/L)



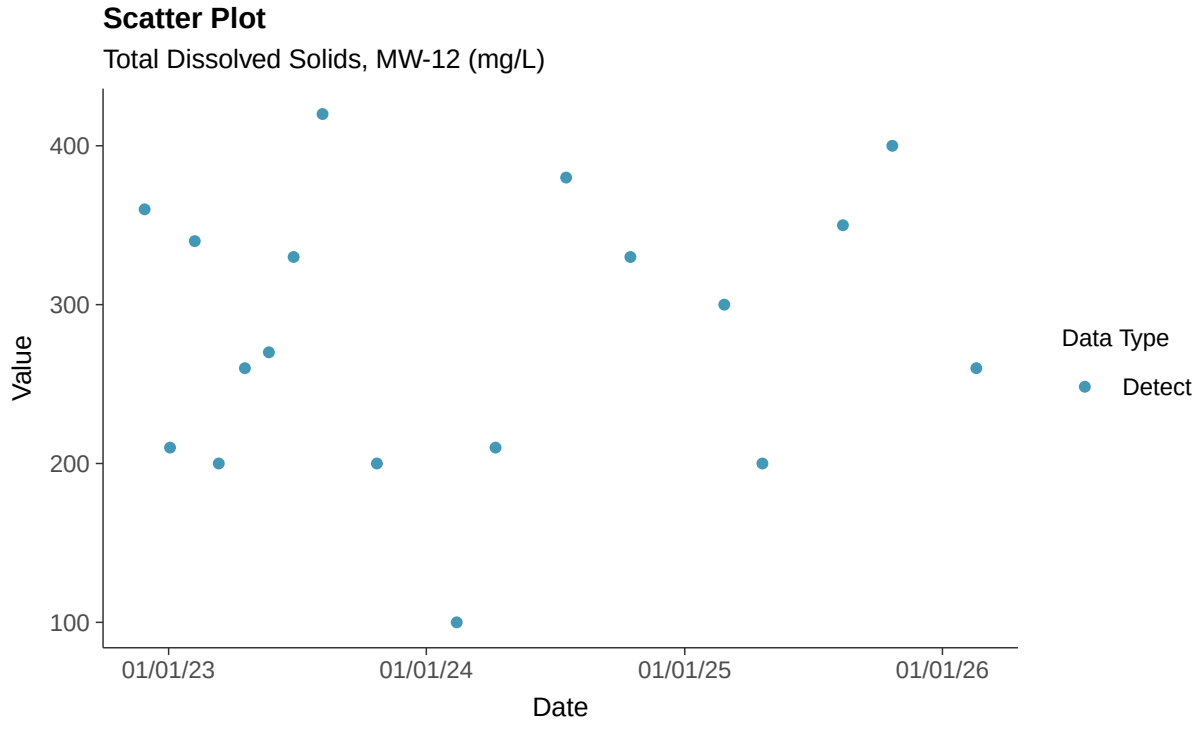
Trend Regression: Piecewise Linear-Linear-Linear

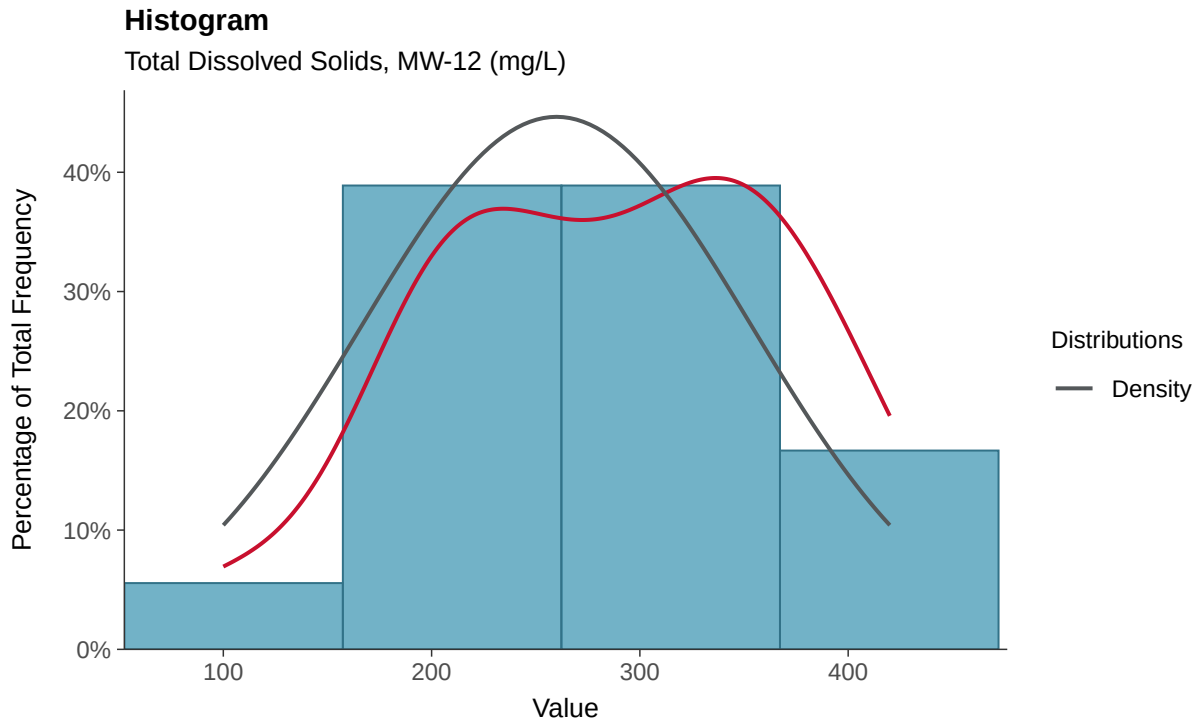
Sulfate (as SO4), MW-12 (mg/L)



Appendix III: Total Dissolved Solids, MW-12

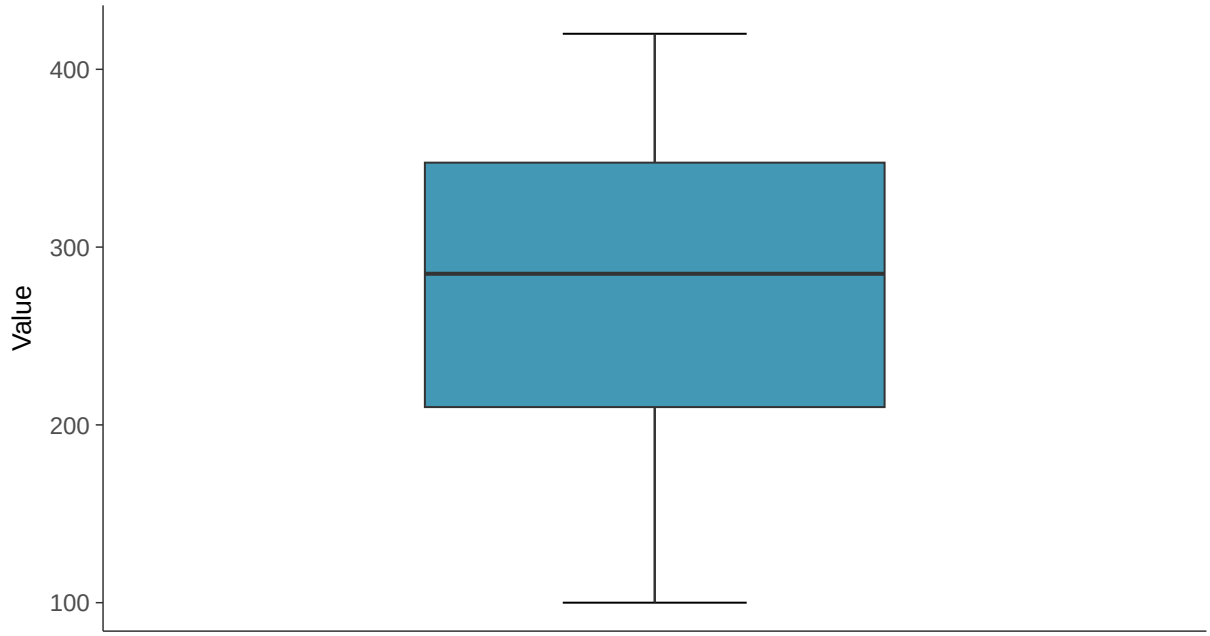
ID: 22_2_3_126





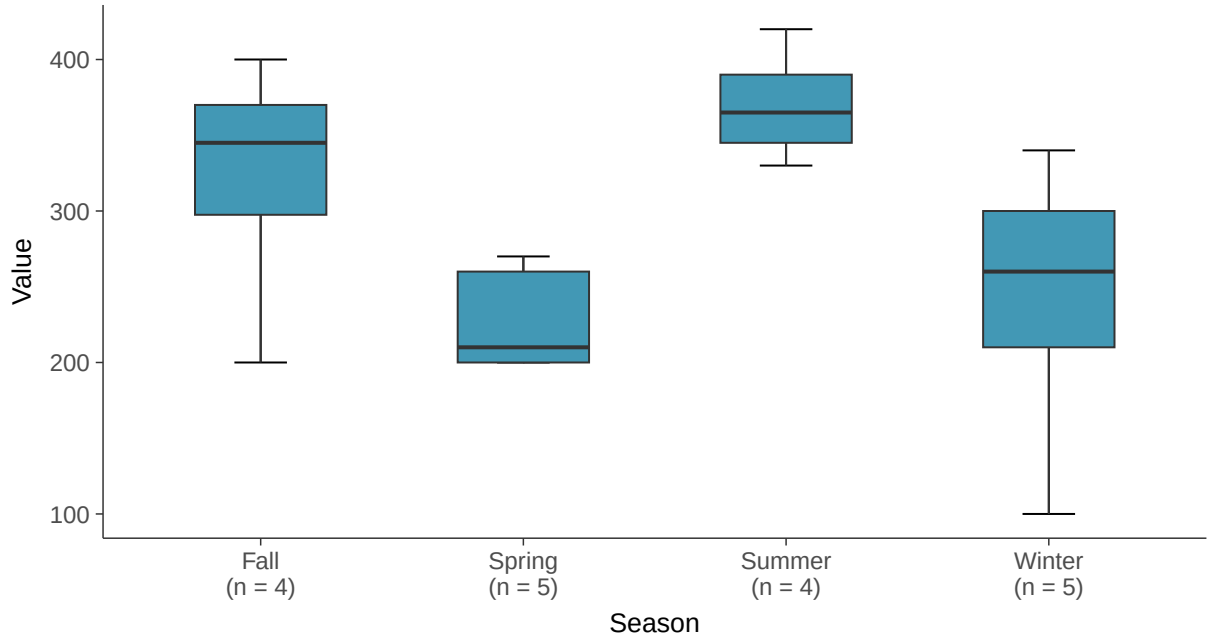
Boxplot

Total Dissolved Solids, MW-12 (mg/L)



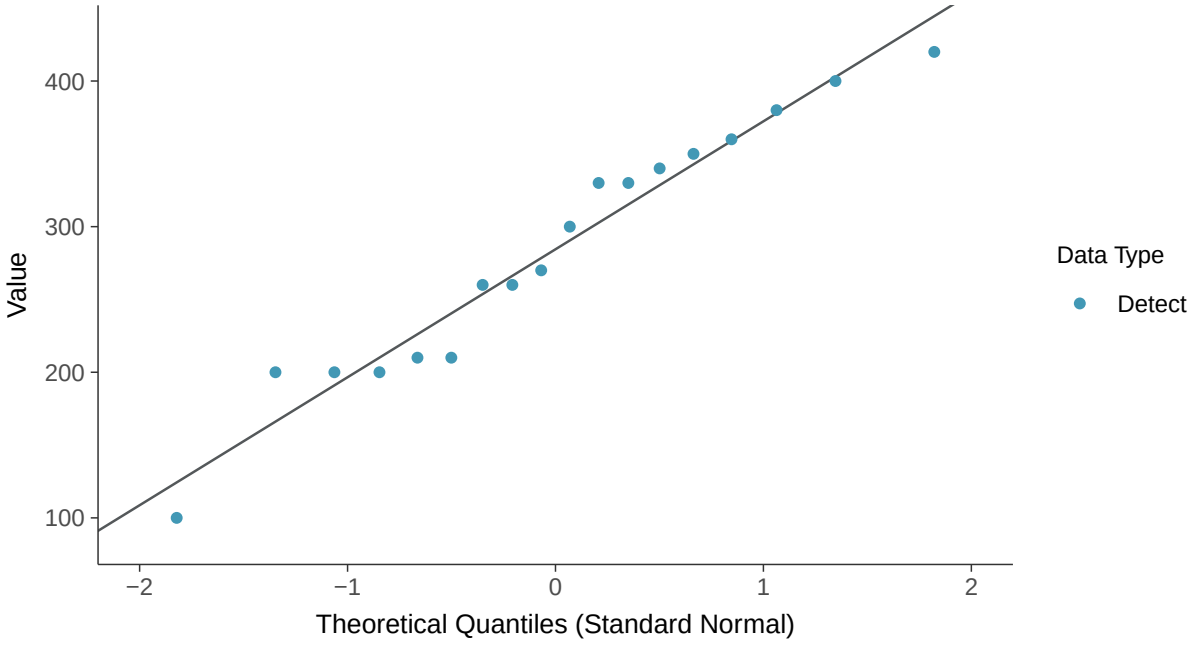
Boxplot by Season

Total Dissolved Solids, MW-12 (mg/L)



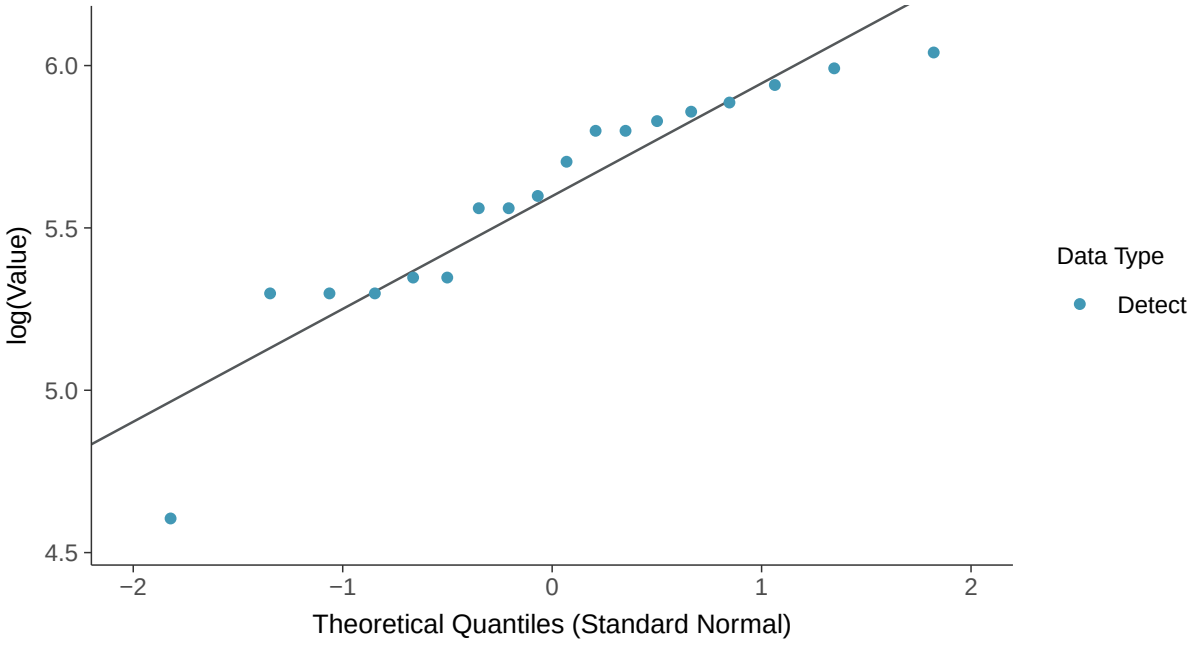
Normal Q-Q plot

Total Dissolved Solids, MW-12 (mg/L)



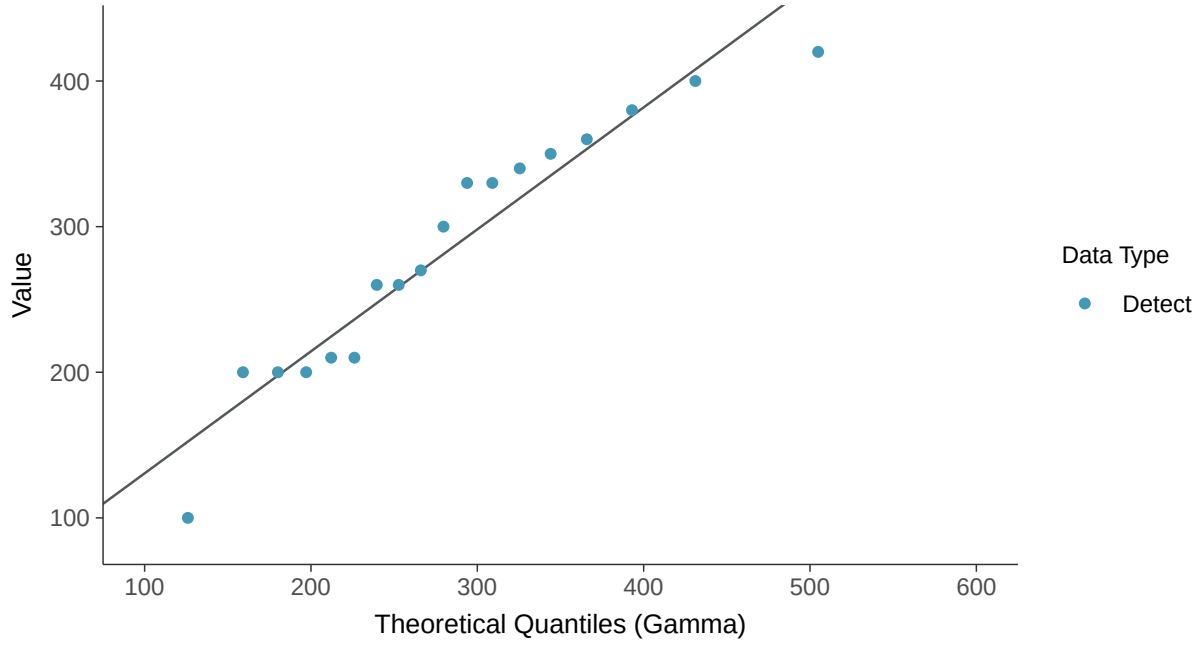
Lognormal Q-Q plot

Total Dissolved Solids, MW-12 (mg/L)



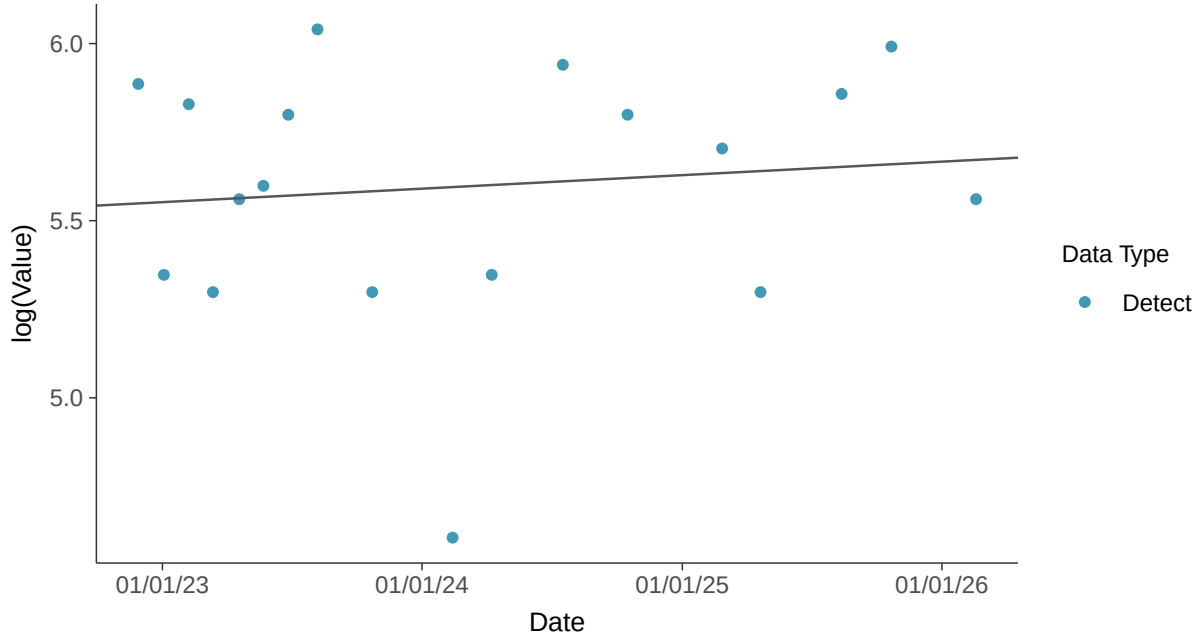
Gamma Q-Q plot

Total Dissolved Solids, MW-12 (mg/L)



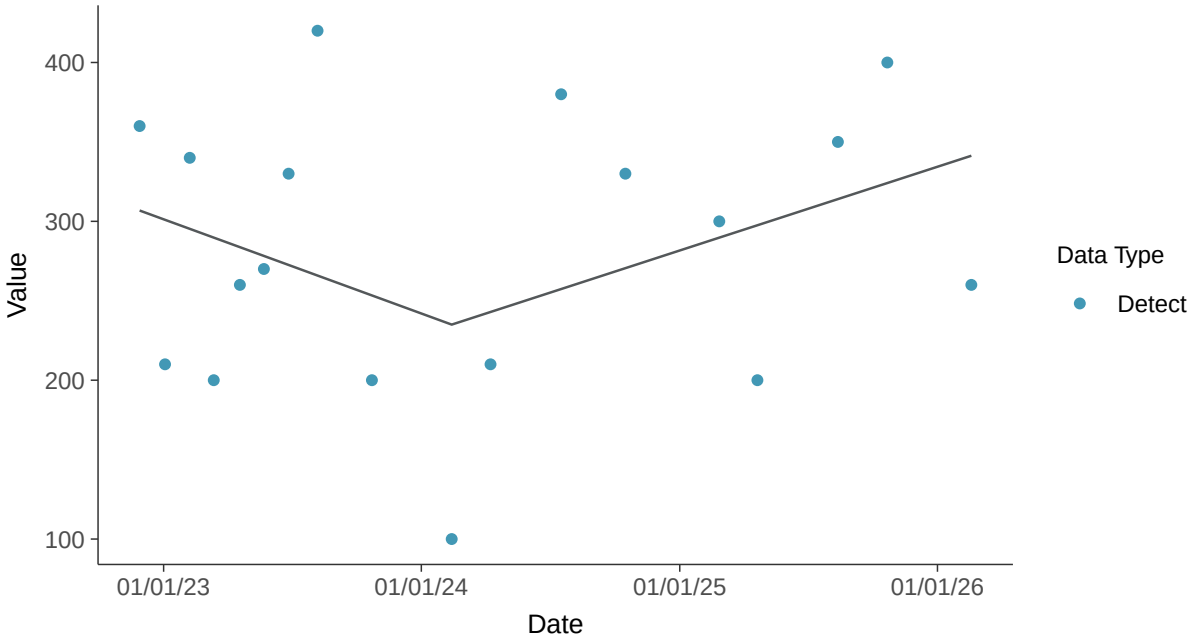
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-12 (mg/L)



Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-12 (mg/L)

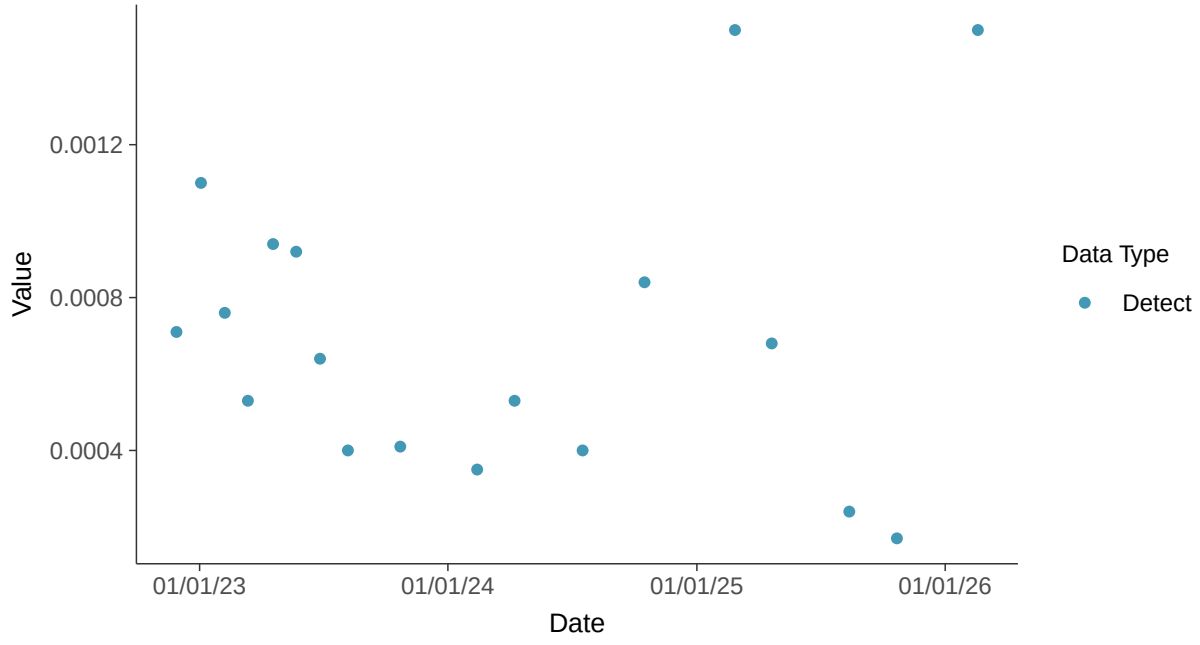


Appendix IV: Antimony, MW-12

ID: 22_2_4_101

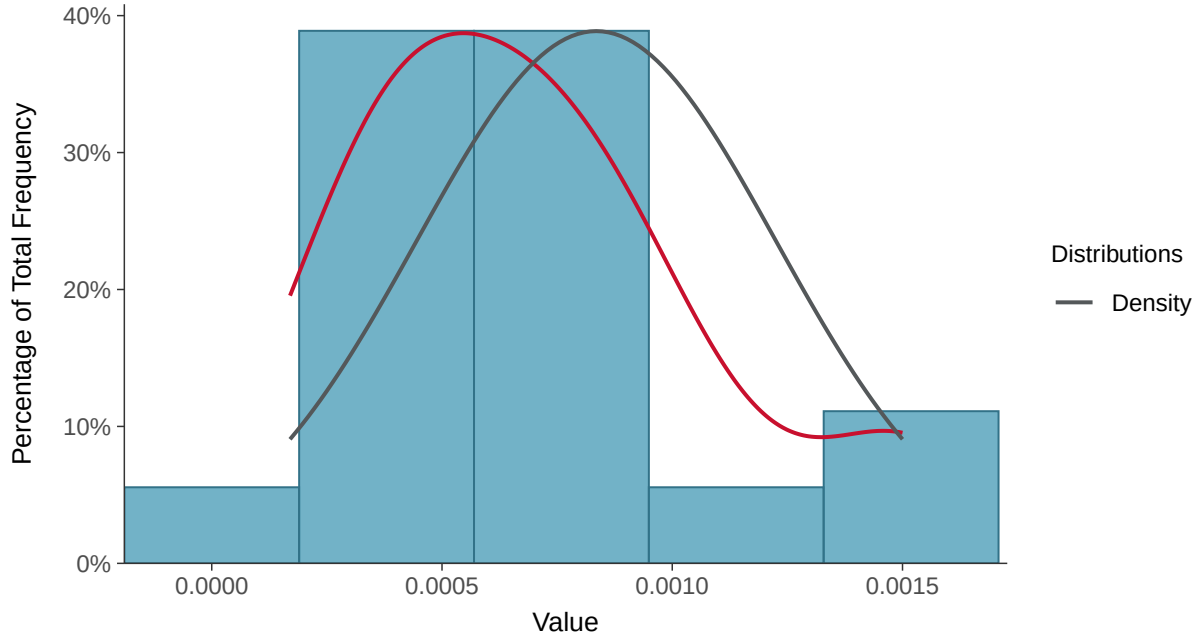
Scatter Plot

Antimony, MW-12 (mg/L)



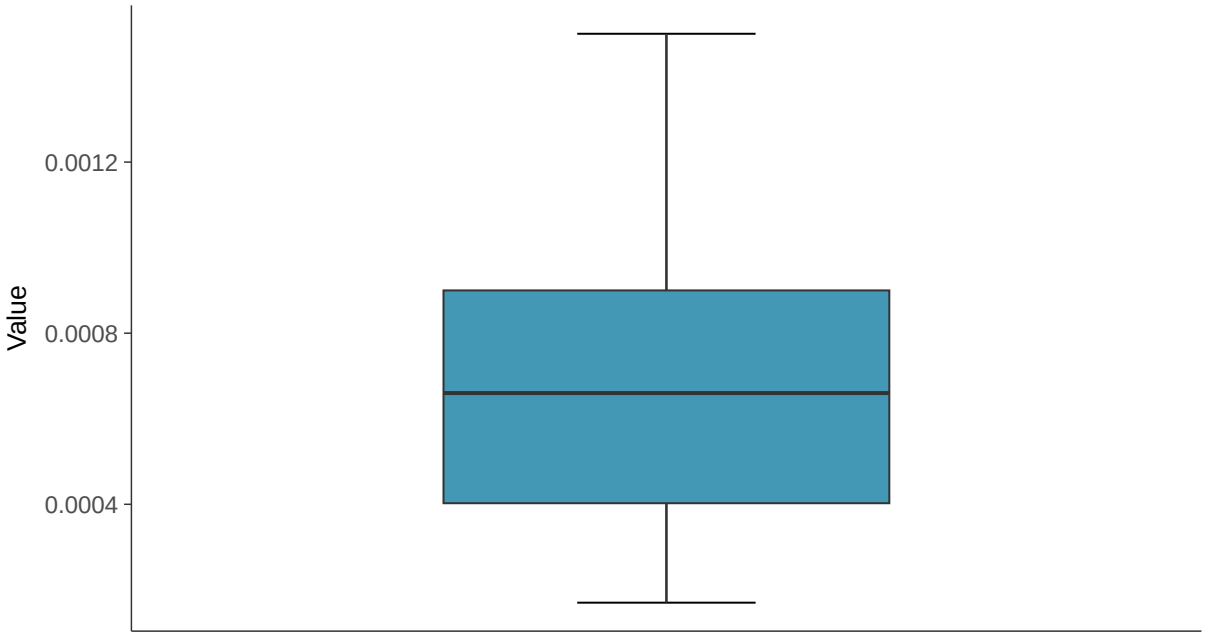
Histogram

Antimony, MW-12 (mg/L)



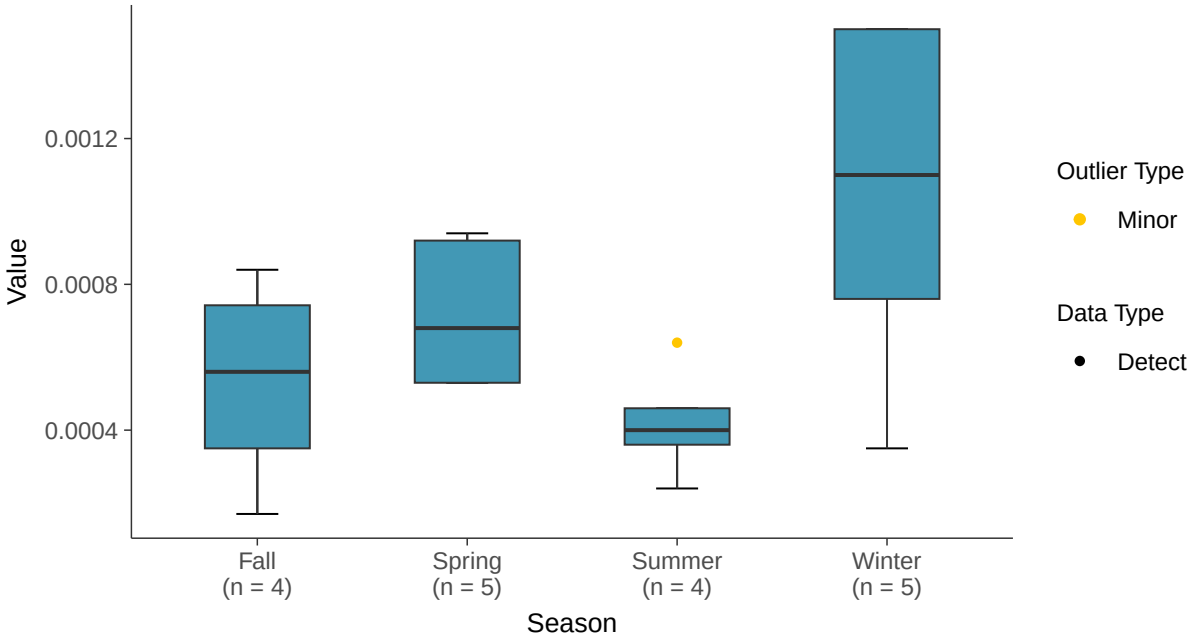
Boxplot

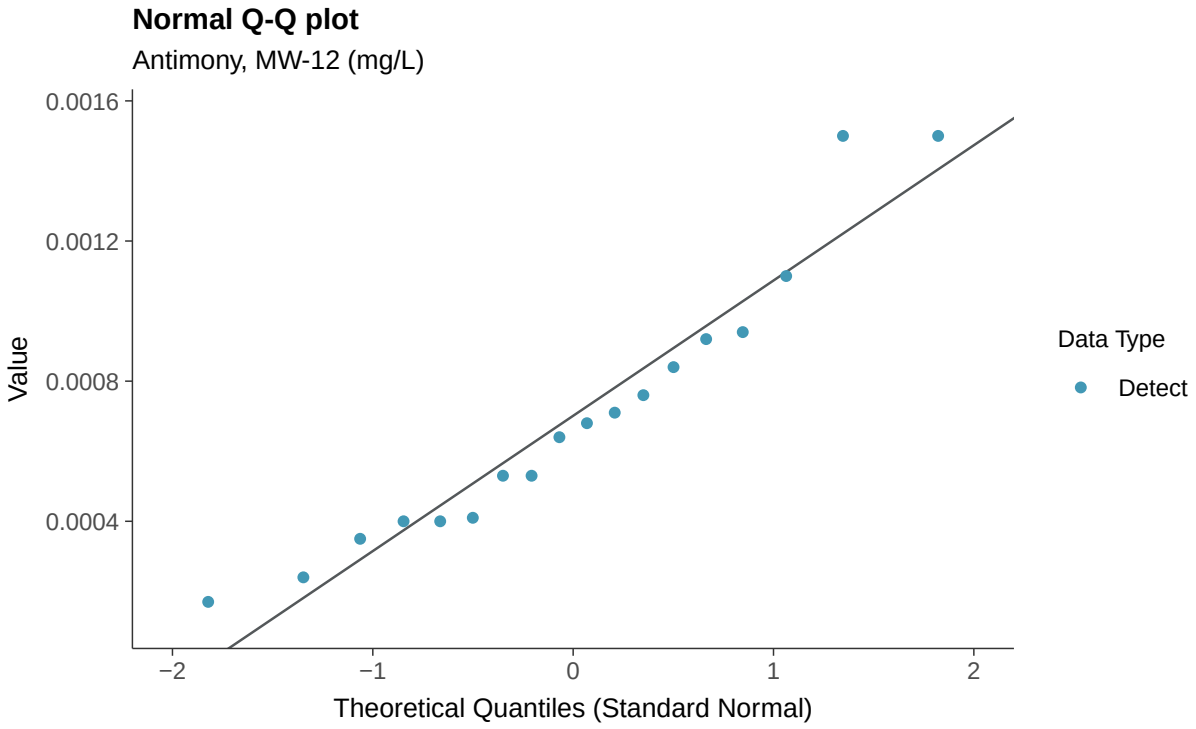
Antimony, MW-12 (mg/L)

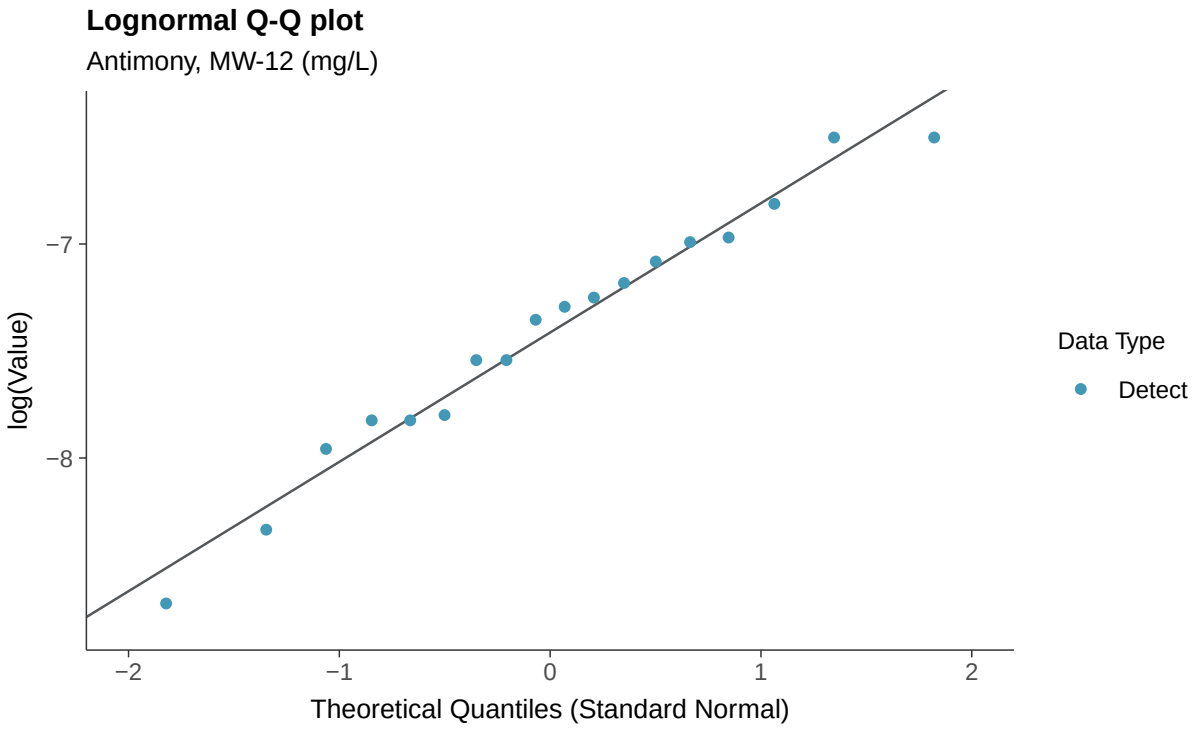


Boxplot by Season

Antimony, MW-12 (mg/L)

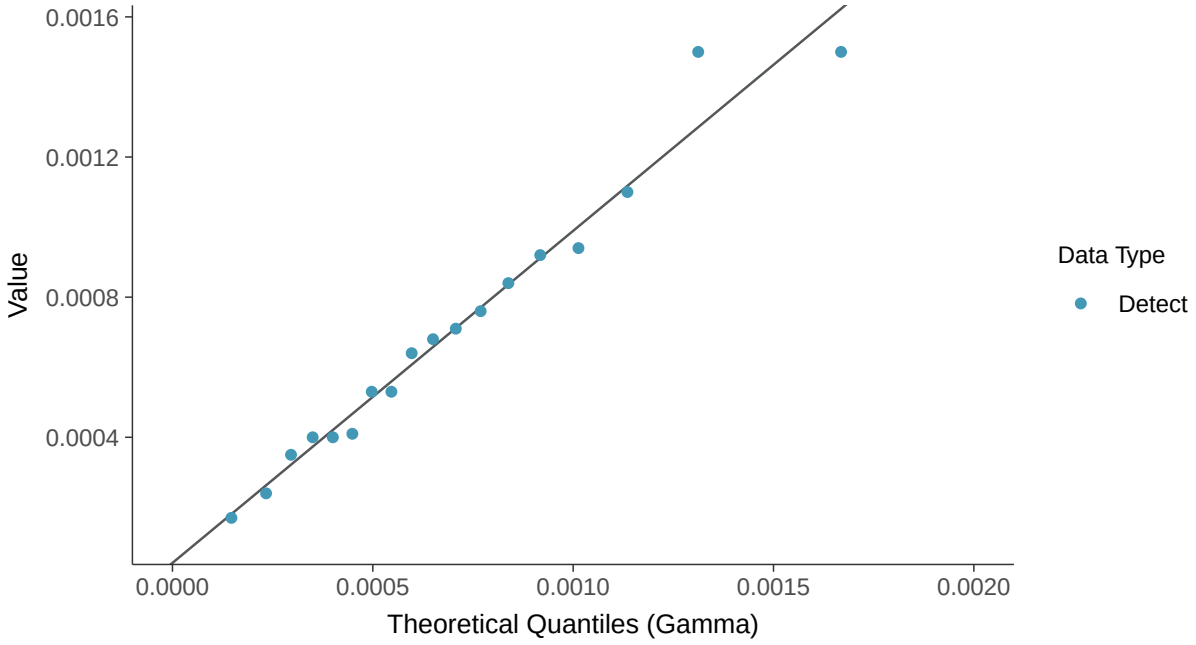



Normal Q-Q plot
Antimony, MW-12 (mg/L)
Value
0.0016
0.0012
0.0008
0.0004
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Antimony, MW-12 (mg/L)
log(Value)
−7
−8
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

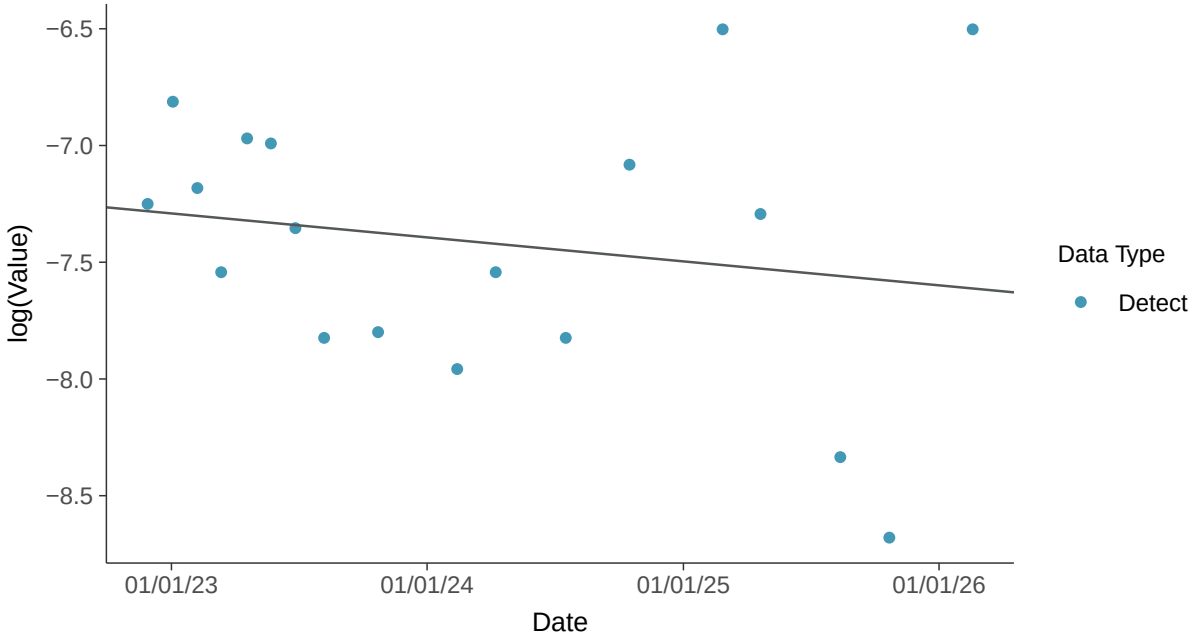
Gamma Q-Q plot

Antimony, MW-12 (mg/L)



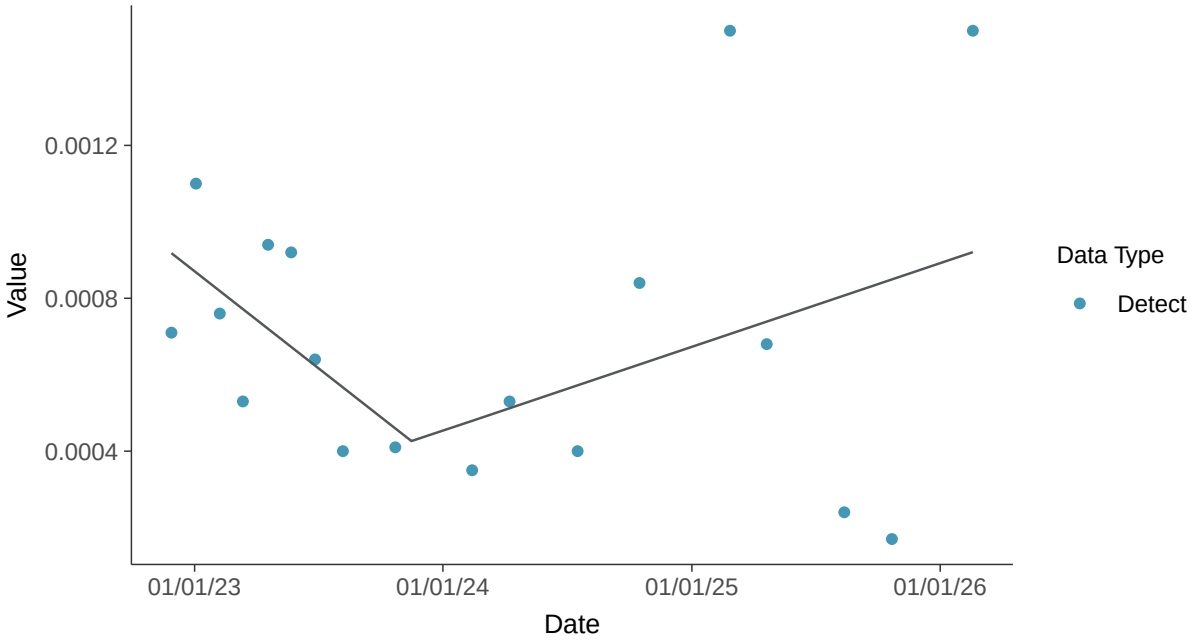
Trend Regression: Lognormal MLE

Antimony, MW-12 (mg/L)



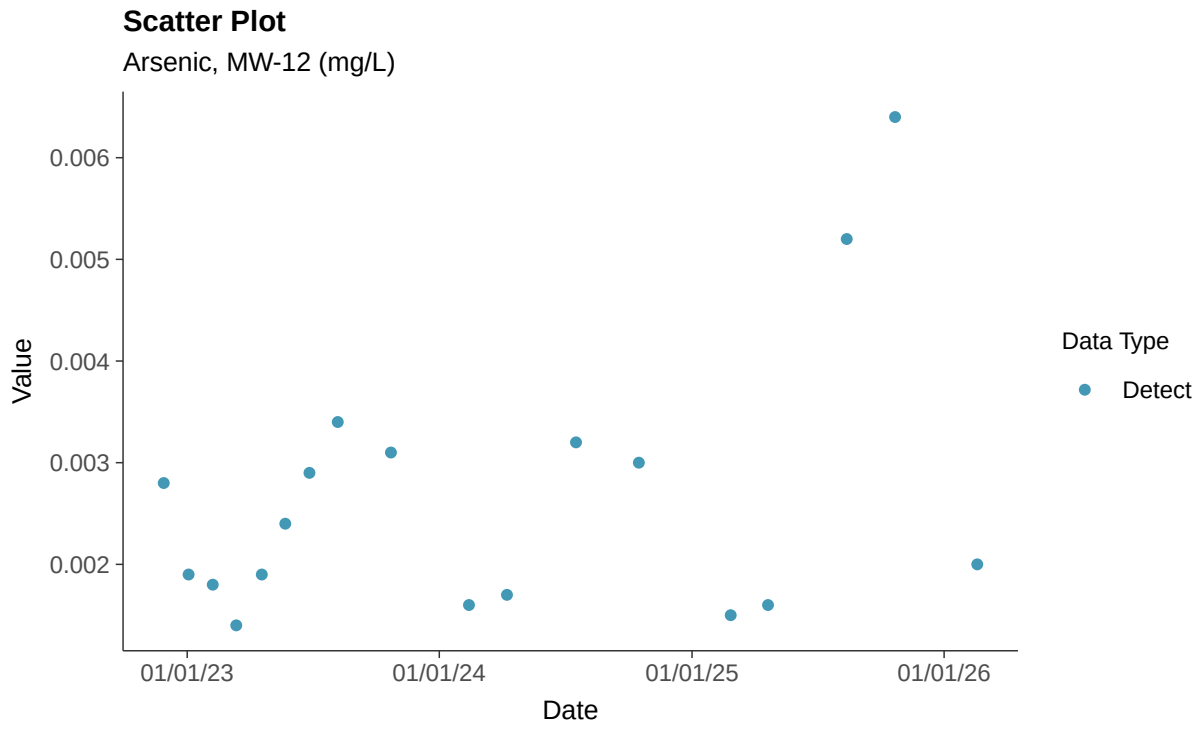
Trend Regression: Piecewise Linear-Linear

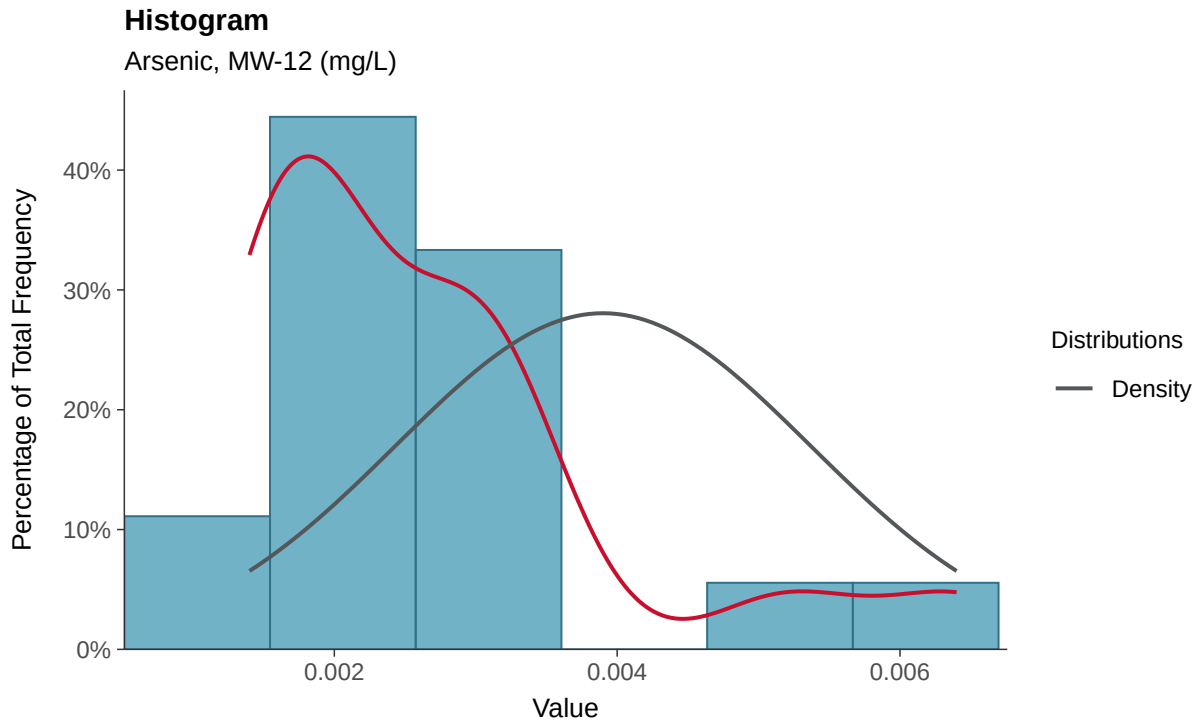
Antimony, MW-12 (mg/L)



Appendix IV: Arsenic, MW-12

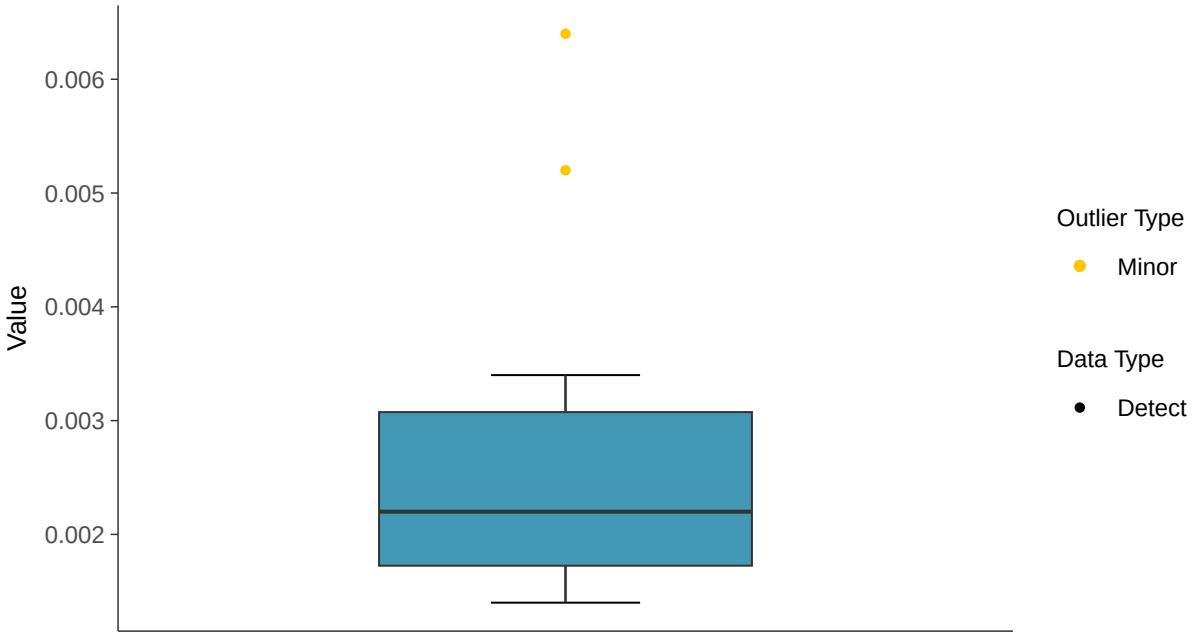
ID: 22_2_4_102





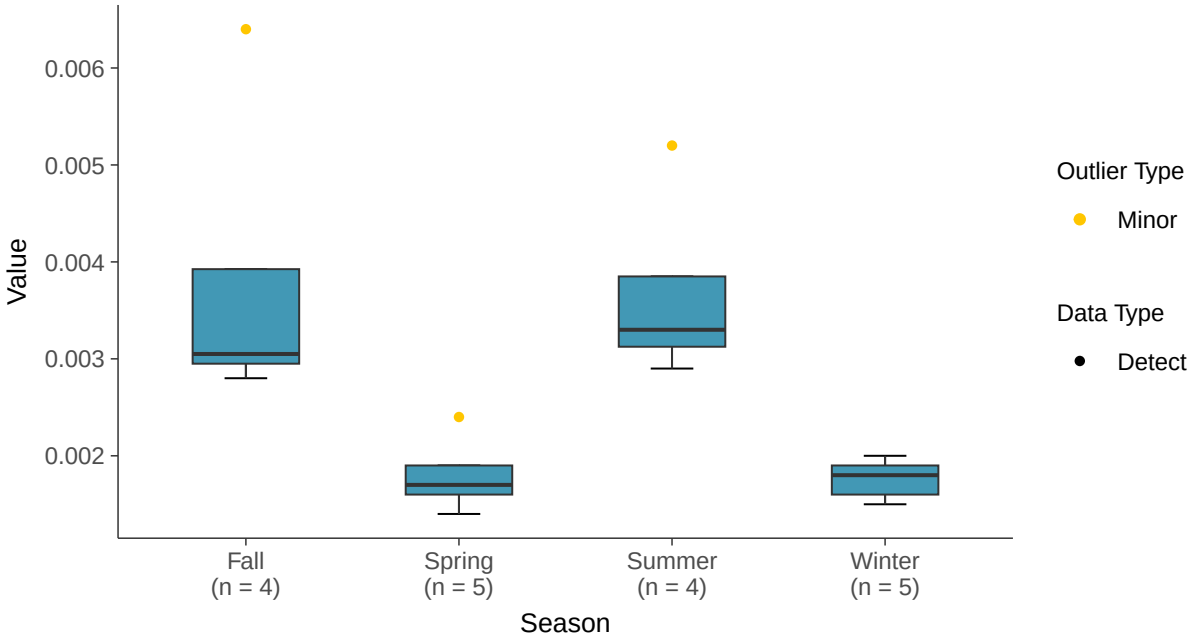
Boxplot

Arsenic, MW-12 (mg/L)



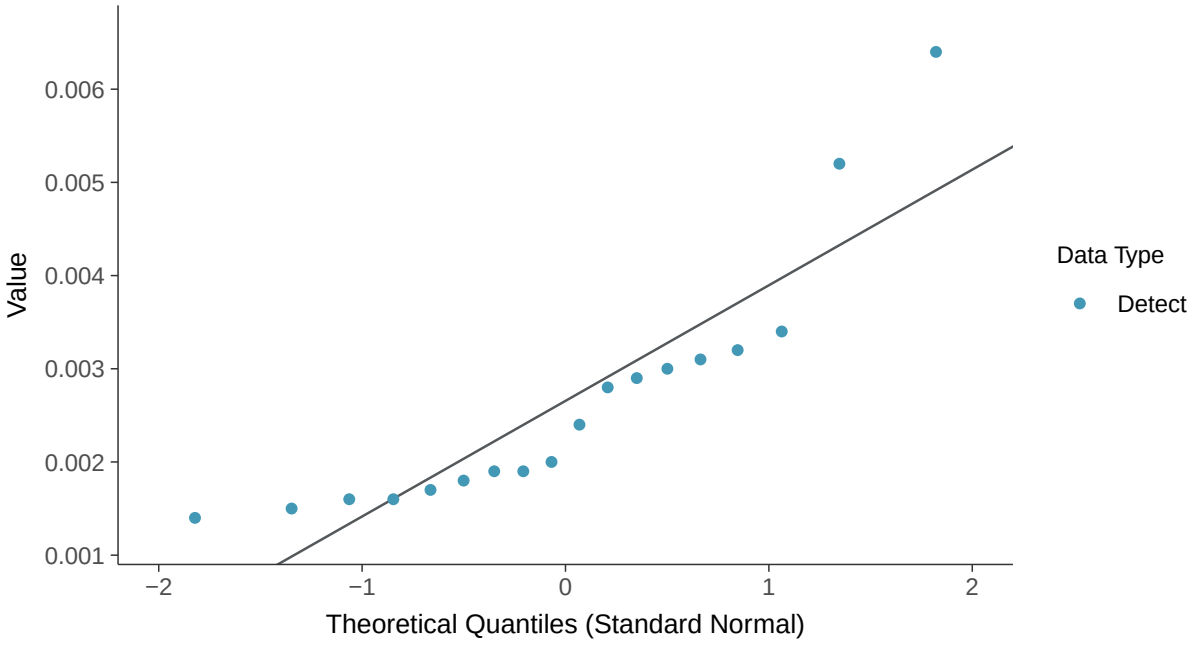
Boxplot by Season

Arsenic, MW-12 (mg/L)



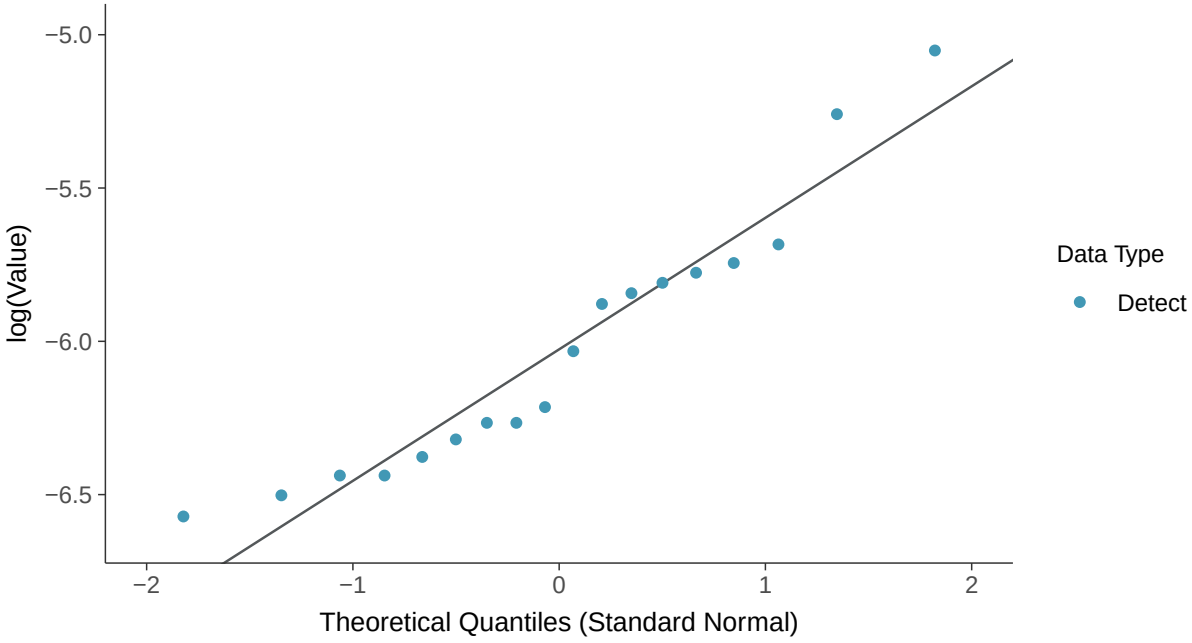
Normal Q-Q plot

Arsenic, MW-12 (mg/L)



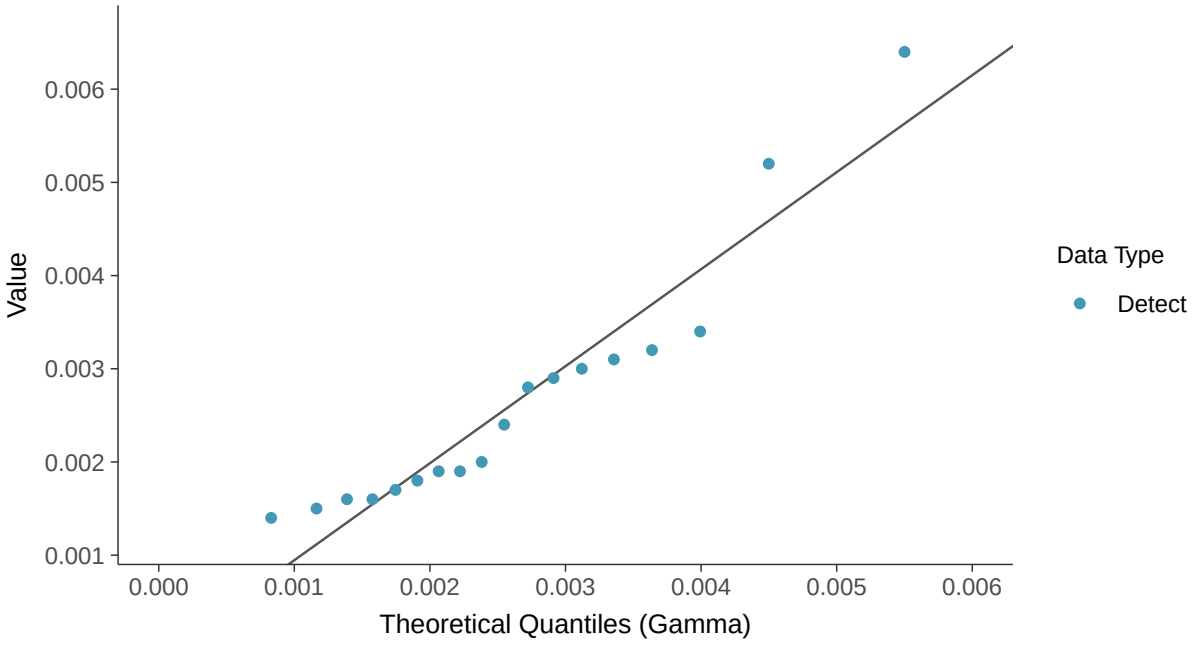
Lognormal Q-Q plot

Arsenic, MW-12 (mg/L)



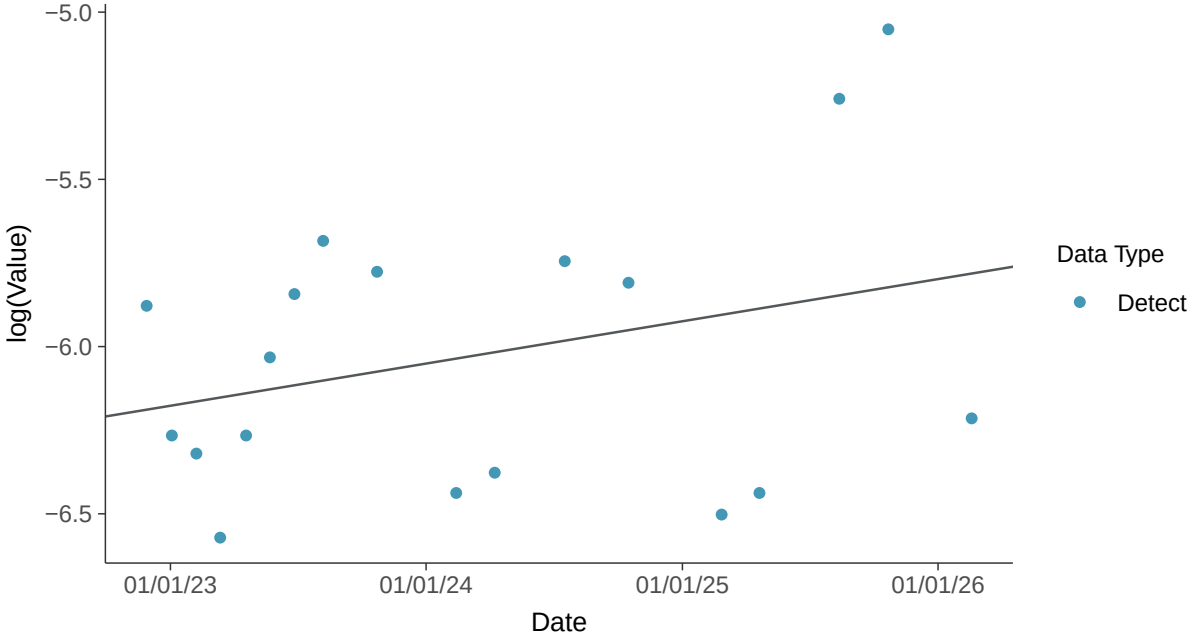
Gamma Q-Q plot

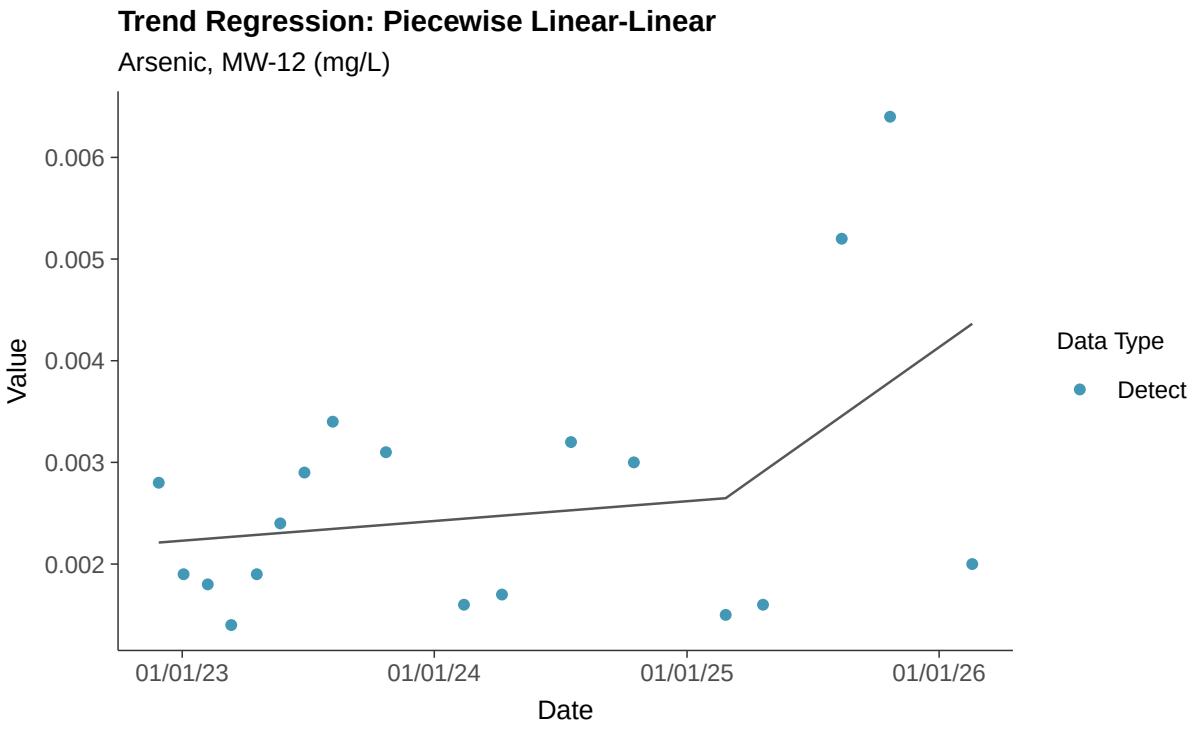
Arsenic, MW-12 (mg/L)



Trend Regression: Lognormal MLE

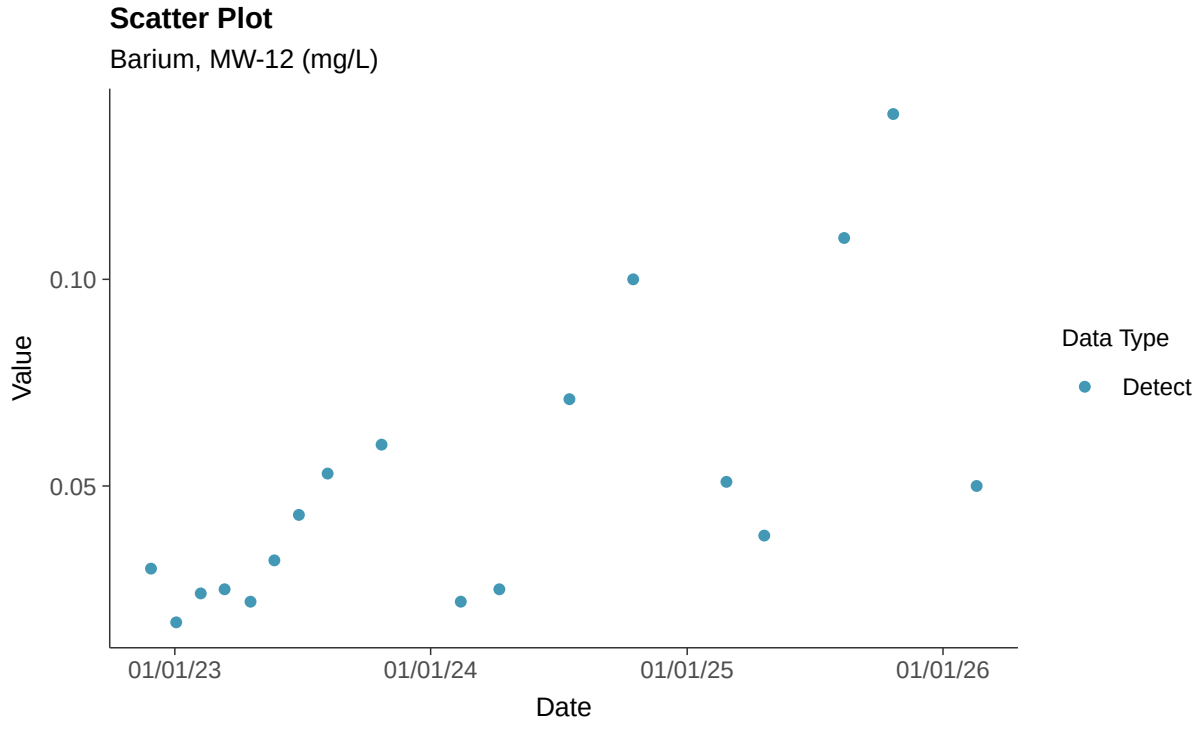
Arsenic, MW-12 (mg/L)

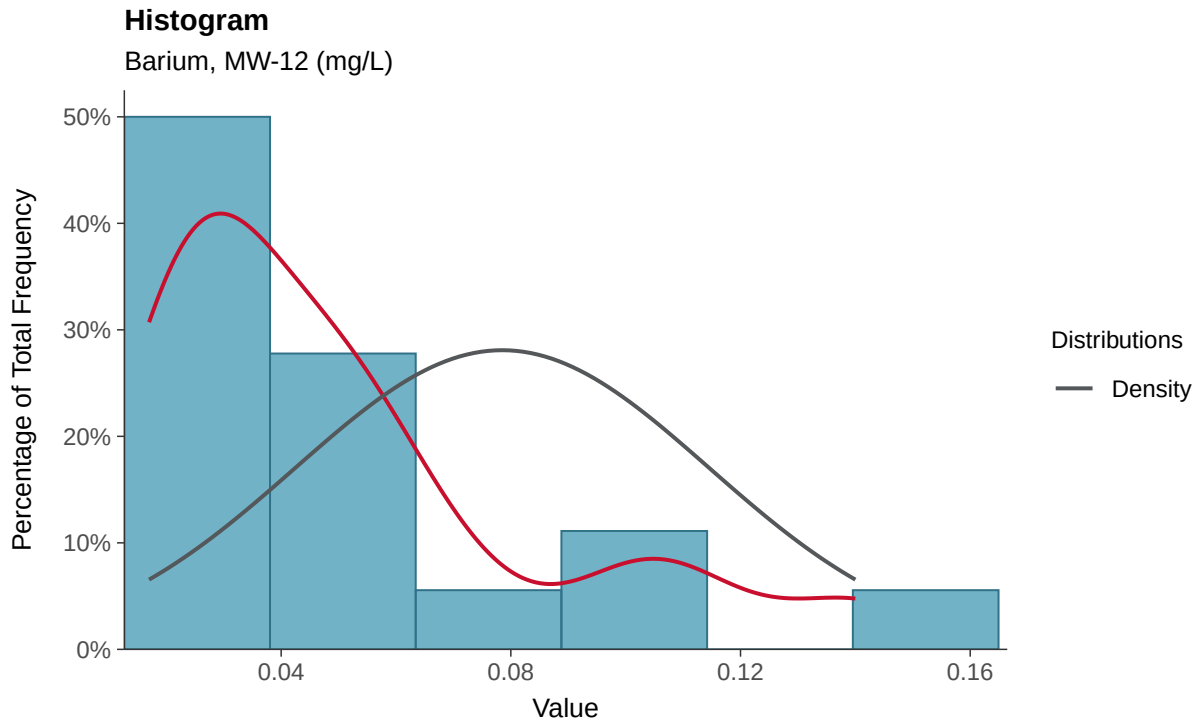



Trend Regression: Piecewise Linear-Linear
Arsenic, MW-12 (mg/L)
Value
0.006
0.005
0.004
0.003
0.002
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Barium, MW-12

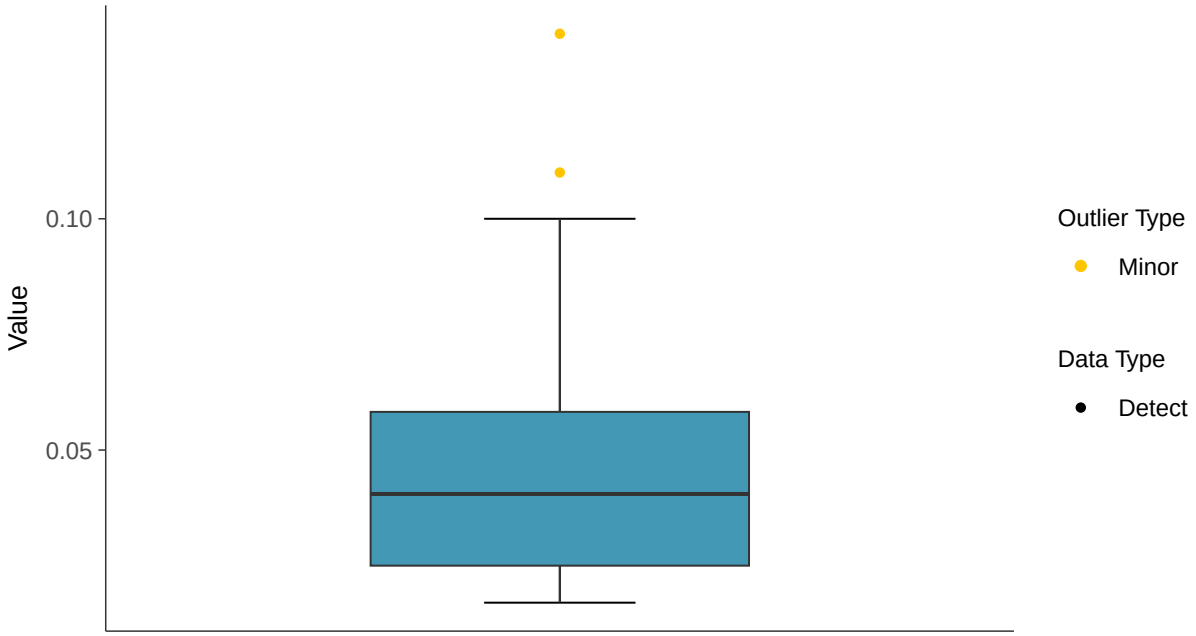
ID: 22_2_4_103





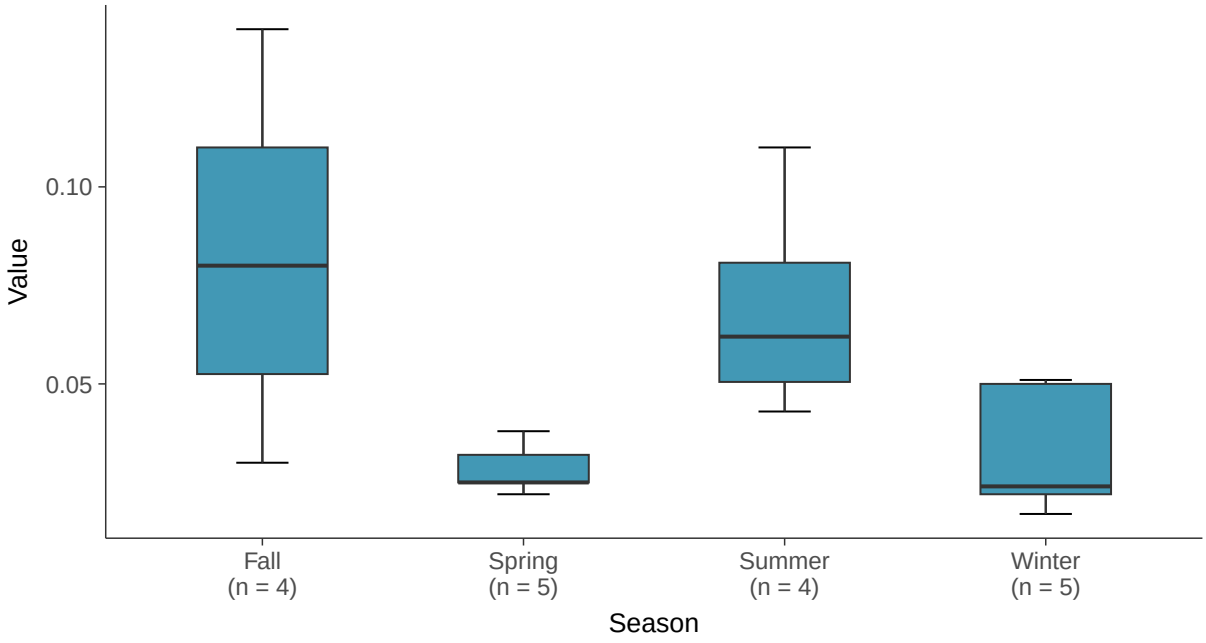
Boxplot

Barium, MW-12 (mg/L)



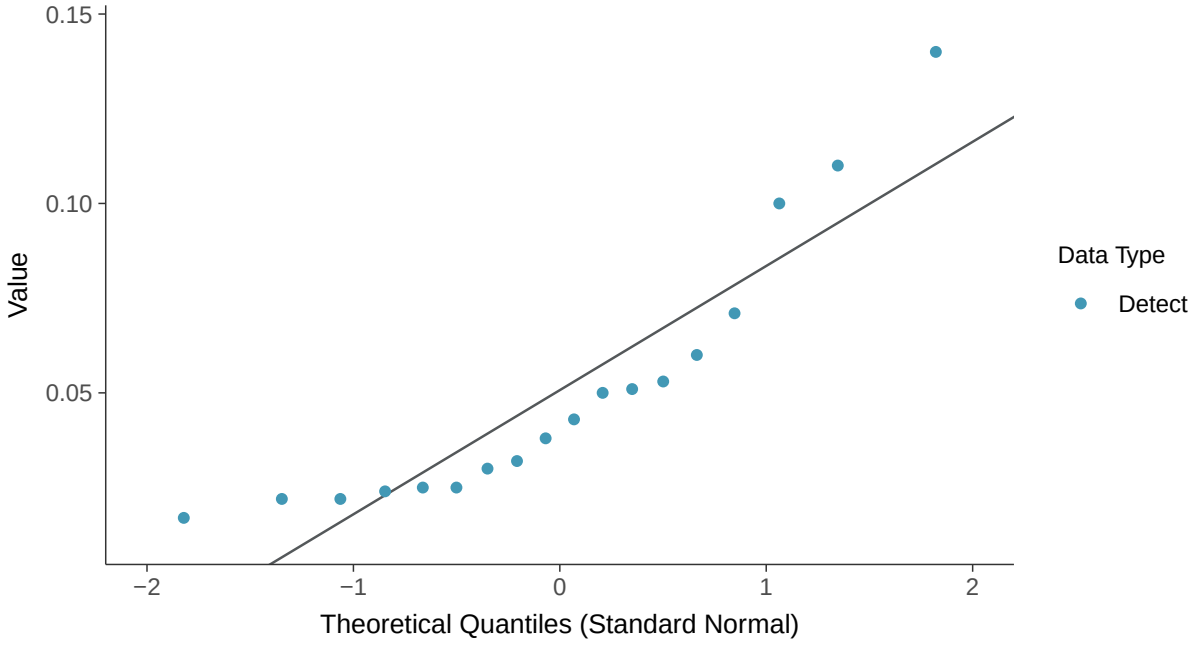
Boxplot by Season

Barium, MW-12 (mg/L)



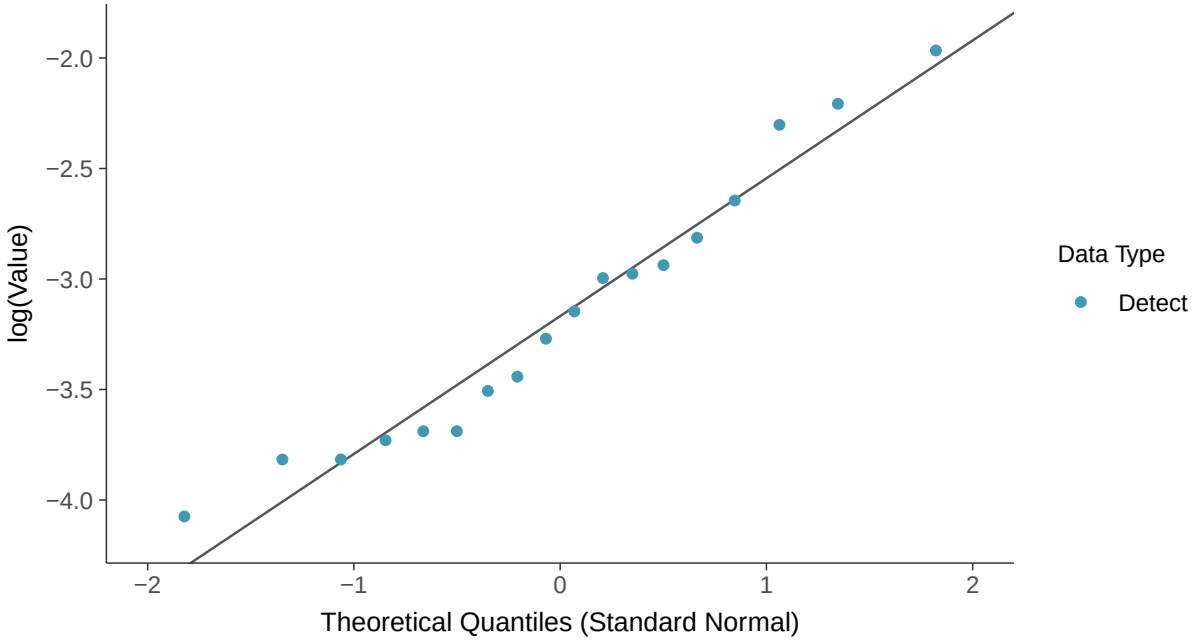
Normal Q-Q plot

Barium, MW-12 (mg/L)



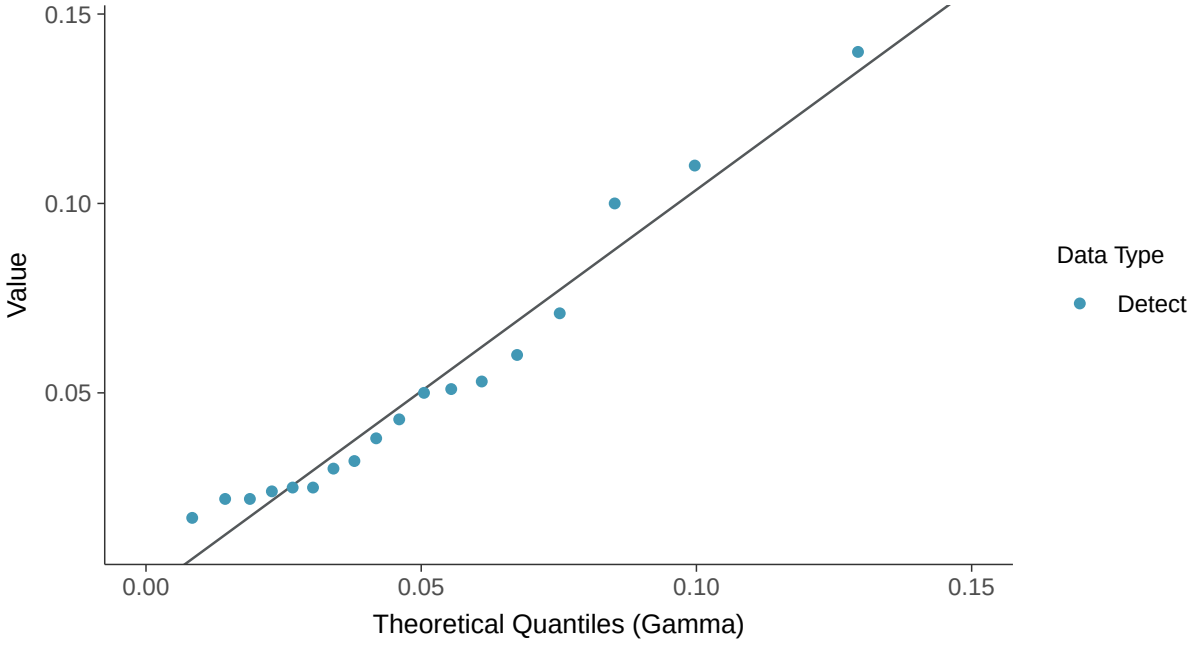
Lognormal Q-Q plot

Barium, MW-12 (mg/L)



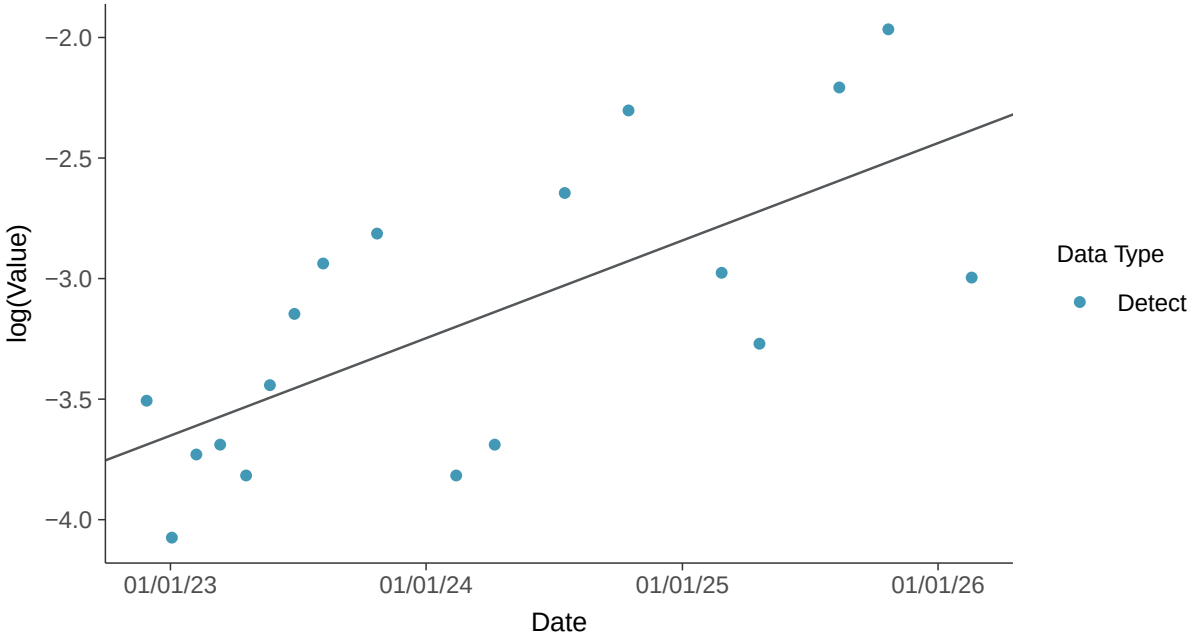
Gamma Q-Q plot

Barium, MW-12 (mg/L)



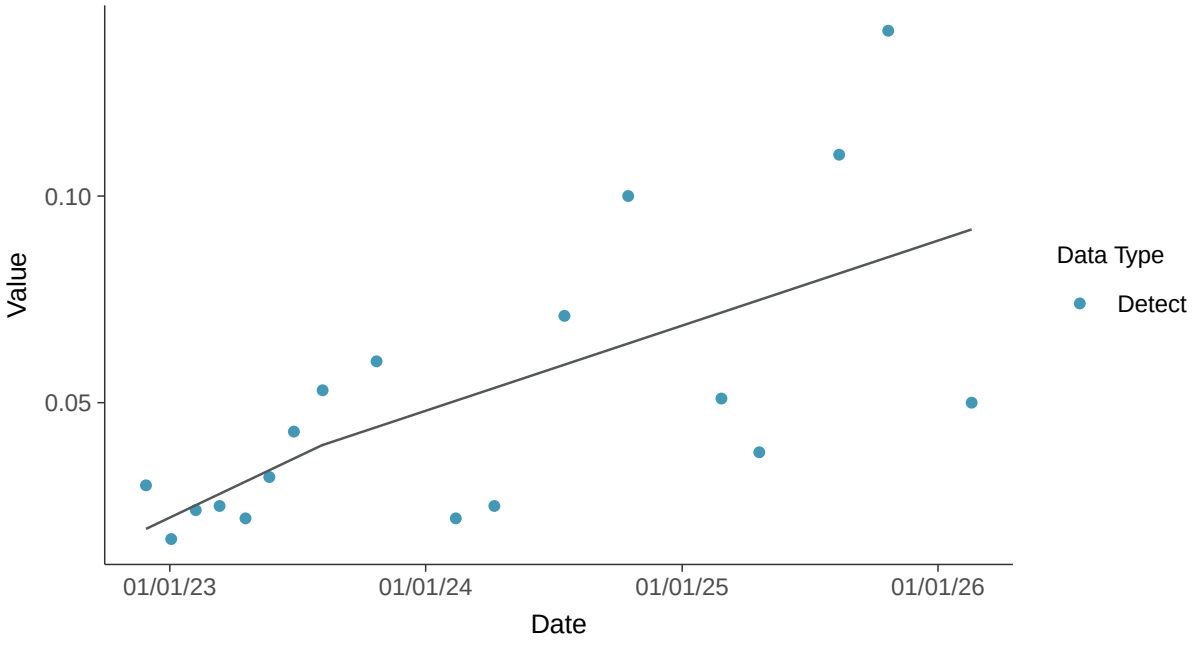
Trend Regression: Lognormal MLE

Barium, MW-12 (mg/L)



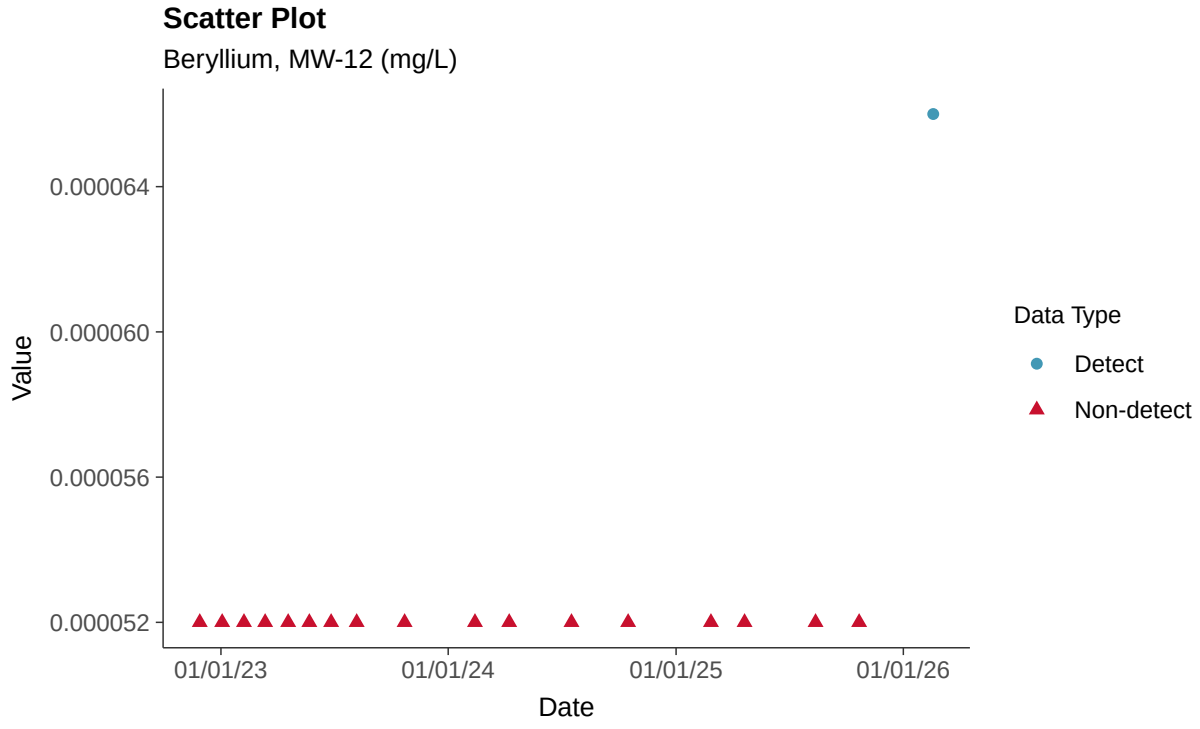
Trend Regression: Piecewise Linear-Linear

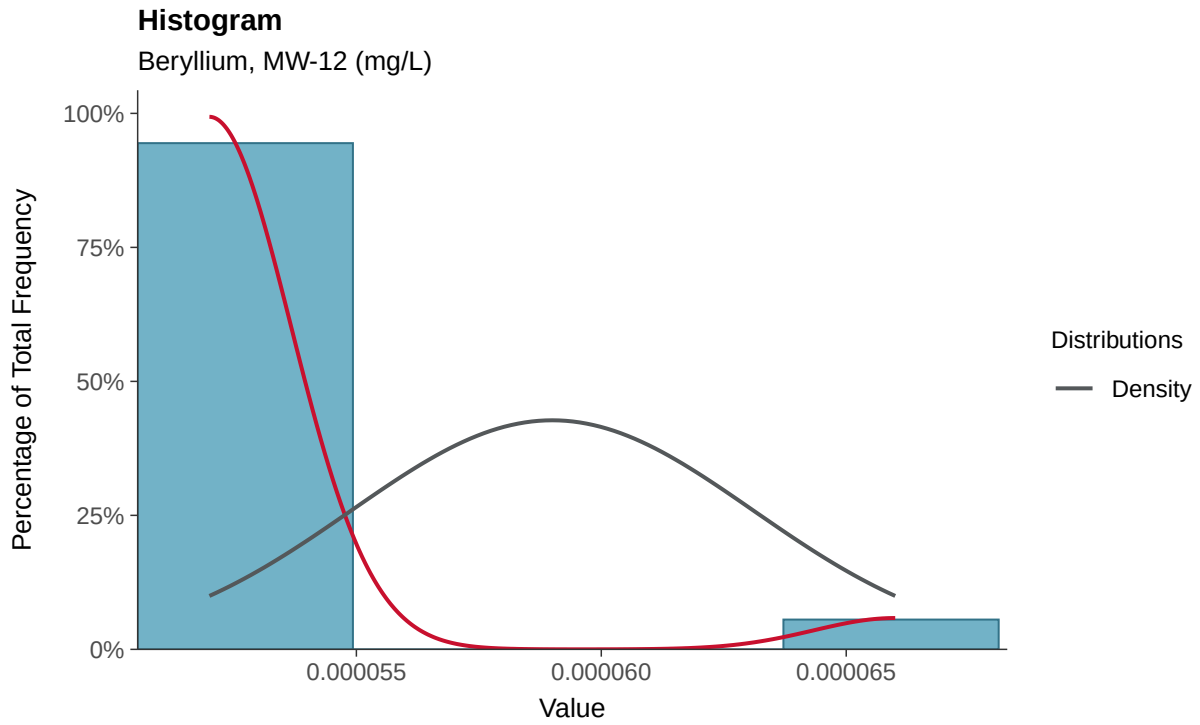
Barium, MW-12 (mg/L)



Appendix IV: Beryllium, MW-12

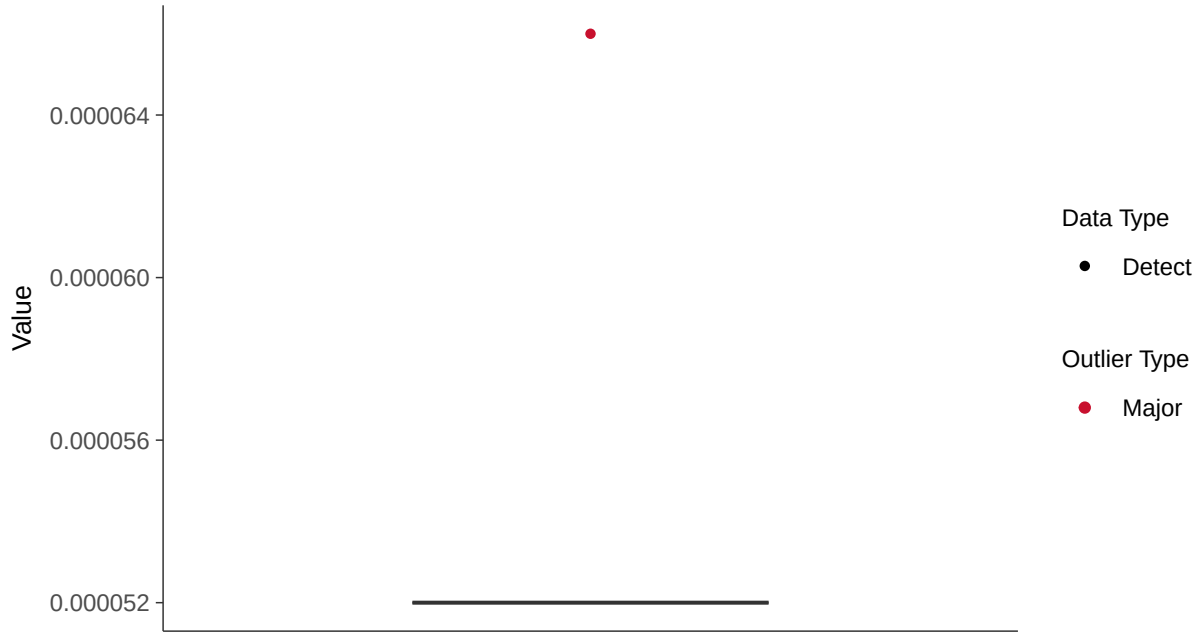
ID: 22_2_4_104





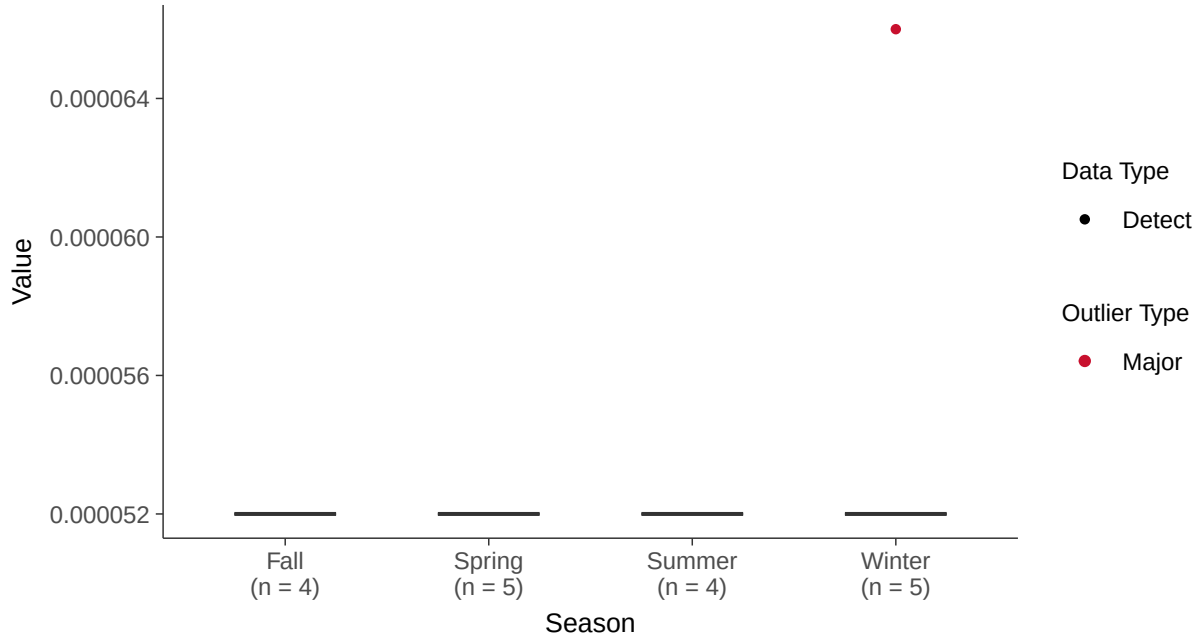
Boxplot

Beryllium, MW-12 (mg/L)



Boxplot by Season

Beryllium, MW-12 (mg/L)

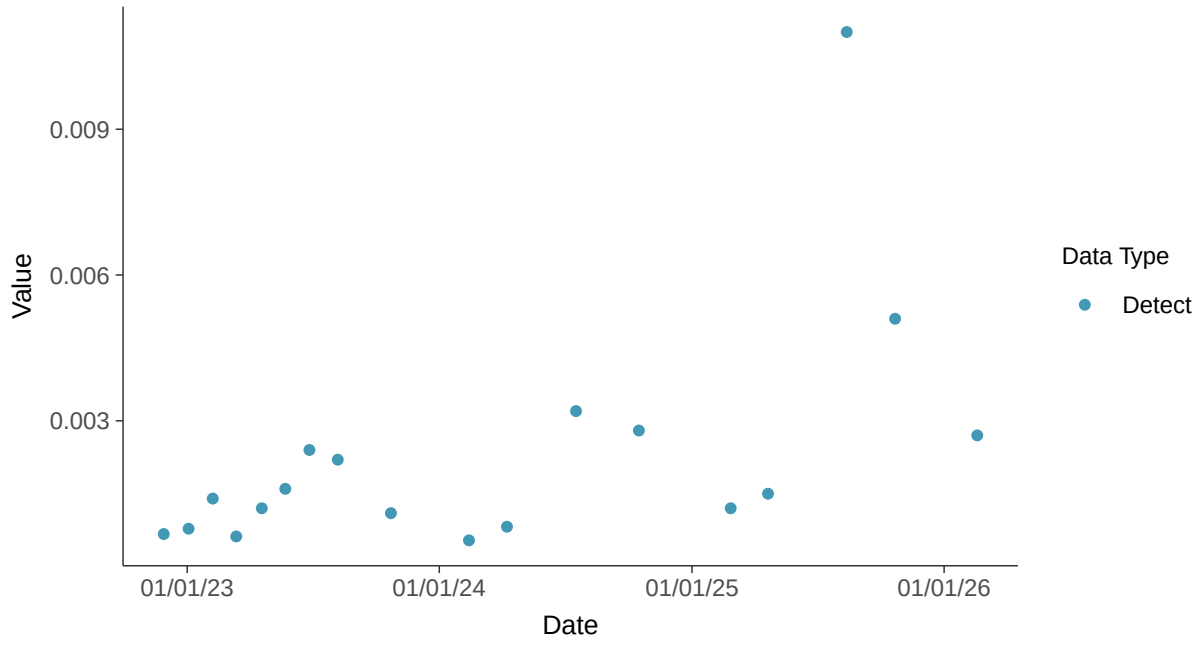


Appendix IV: Cadmium, MW-12

ID: 22_2_4_106

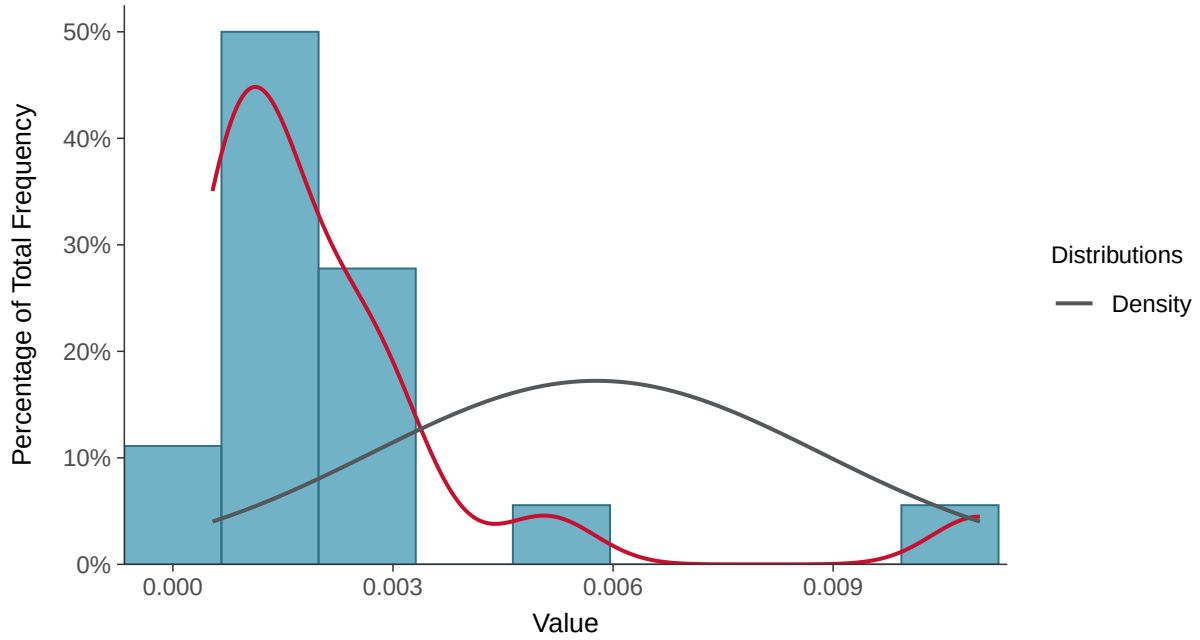
Scatter Plot

Cadmium, MW-12 (mg/L)



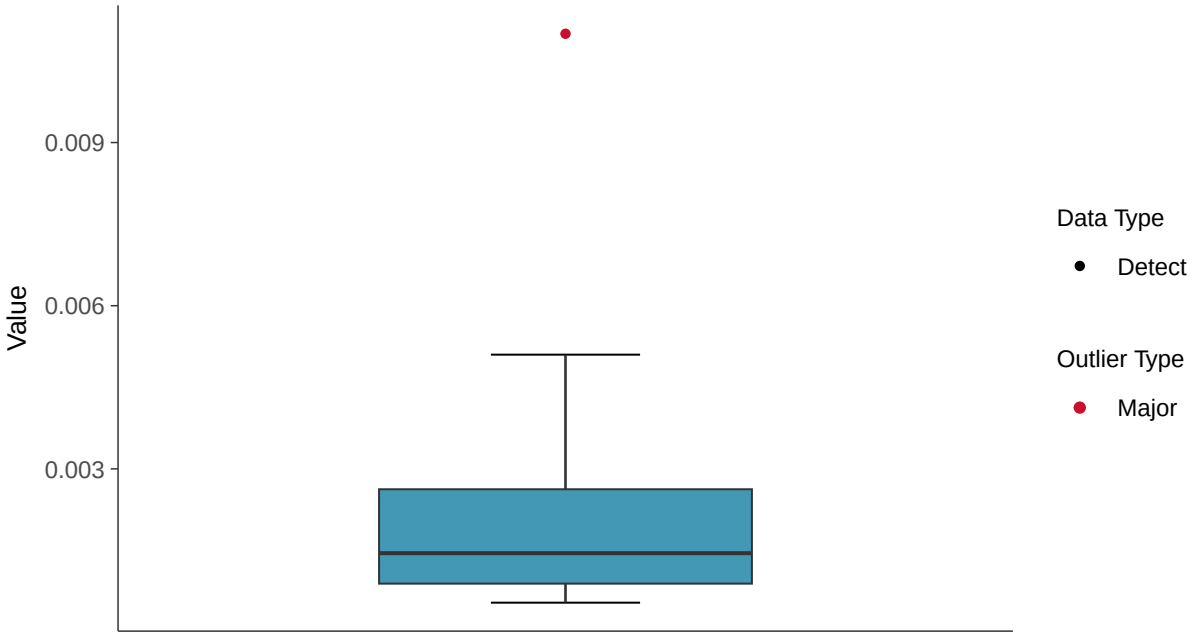
Histogram

Cadmium, MW-12 (mg/L)



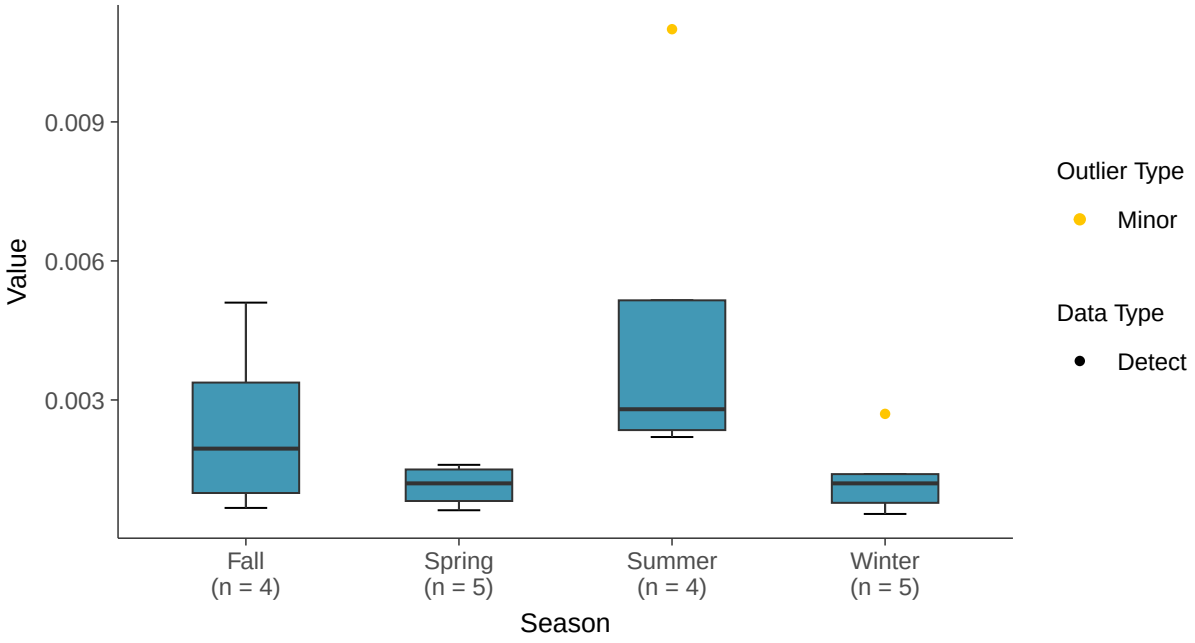
Boxplot

Cadmium, MW-12 (mg/L)



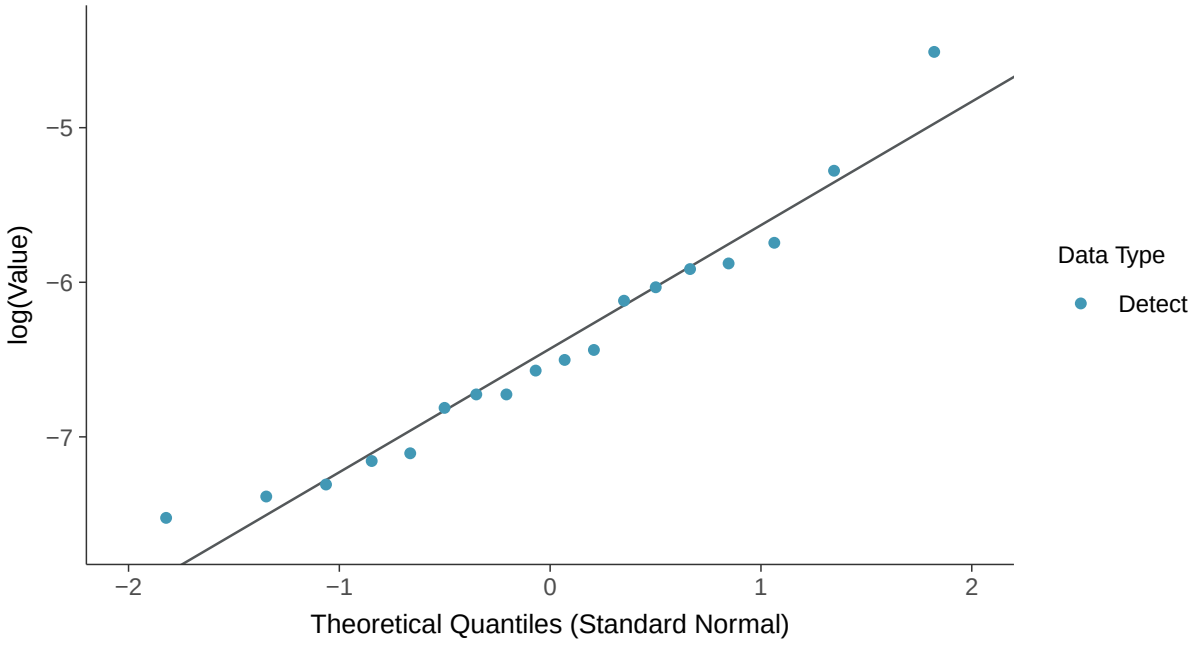
Boxplot by Season

Cadmium, MW-12 (mg/L)



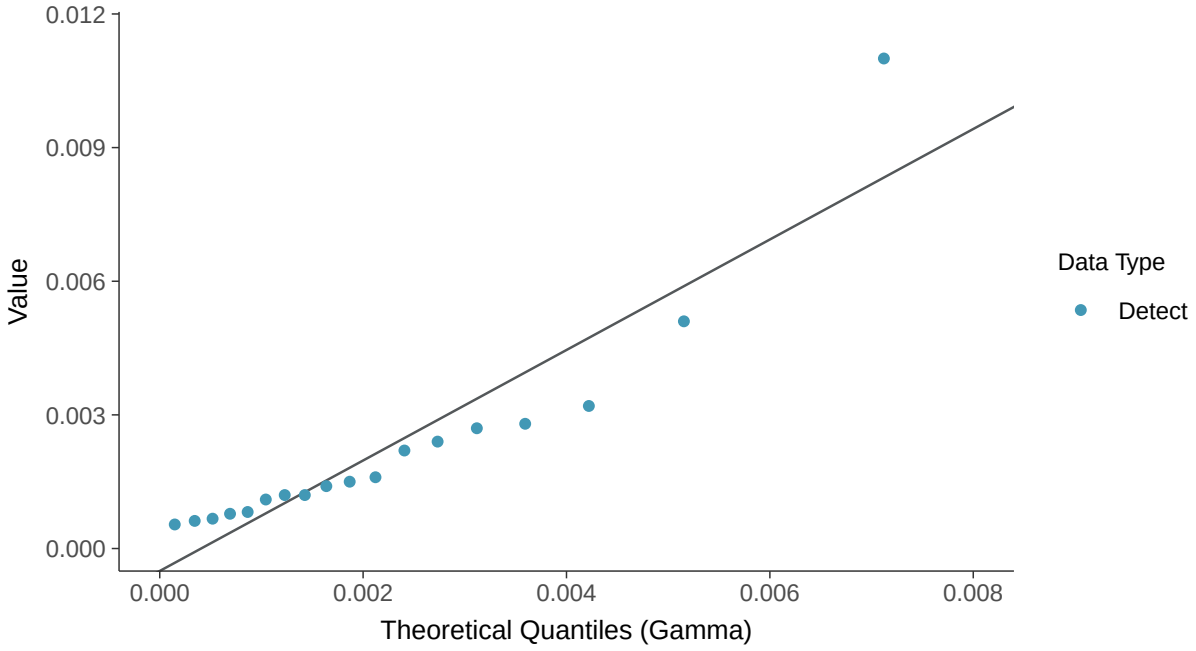
Lognormal Q-Q plot

Cadmium, MW-12 (mg/L)



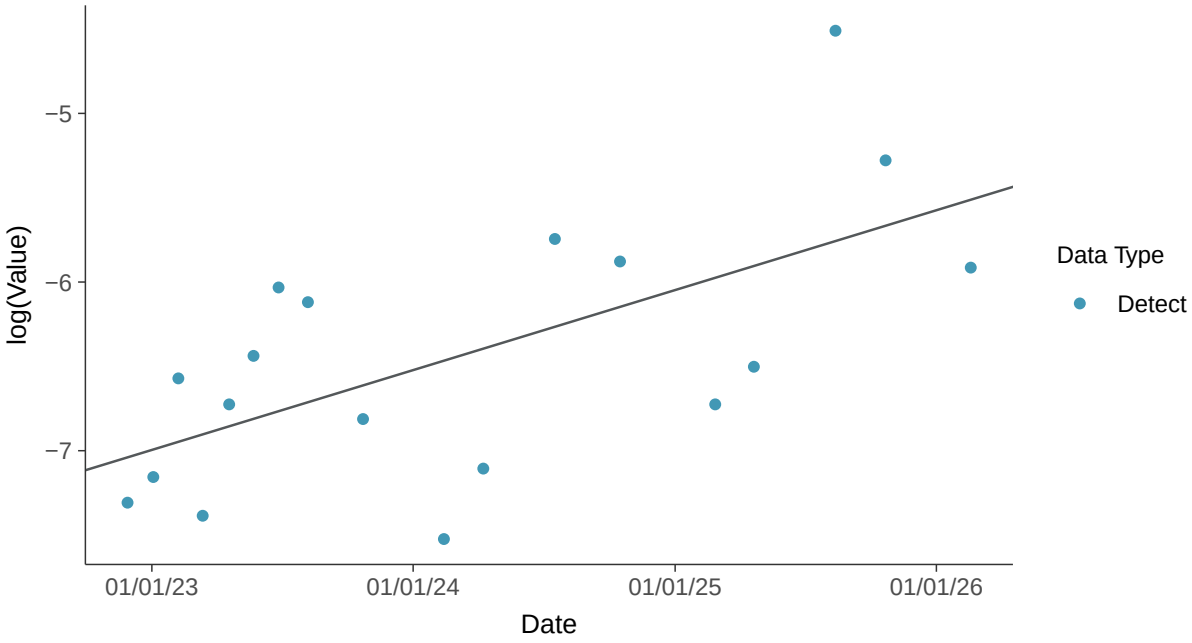
Gamma Q-Q plot

Cadmium, MW-12 (mg/L)



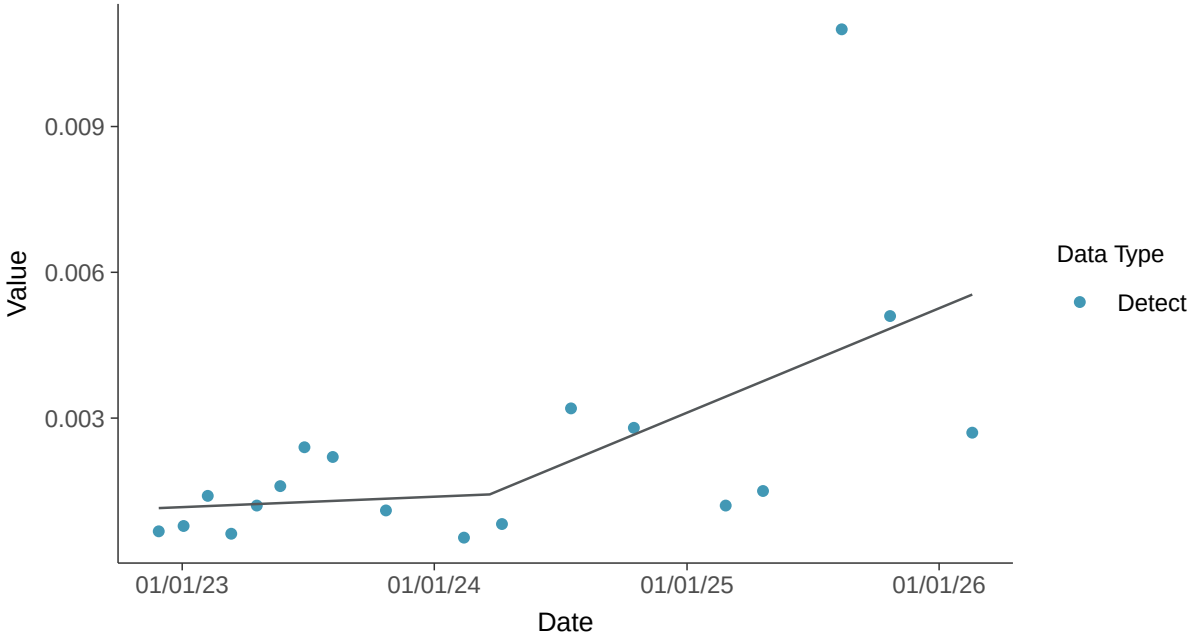
Trend Regression: Lognormal MLE

Cadmium, MW-12 (mg/L)



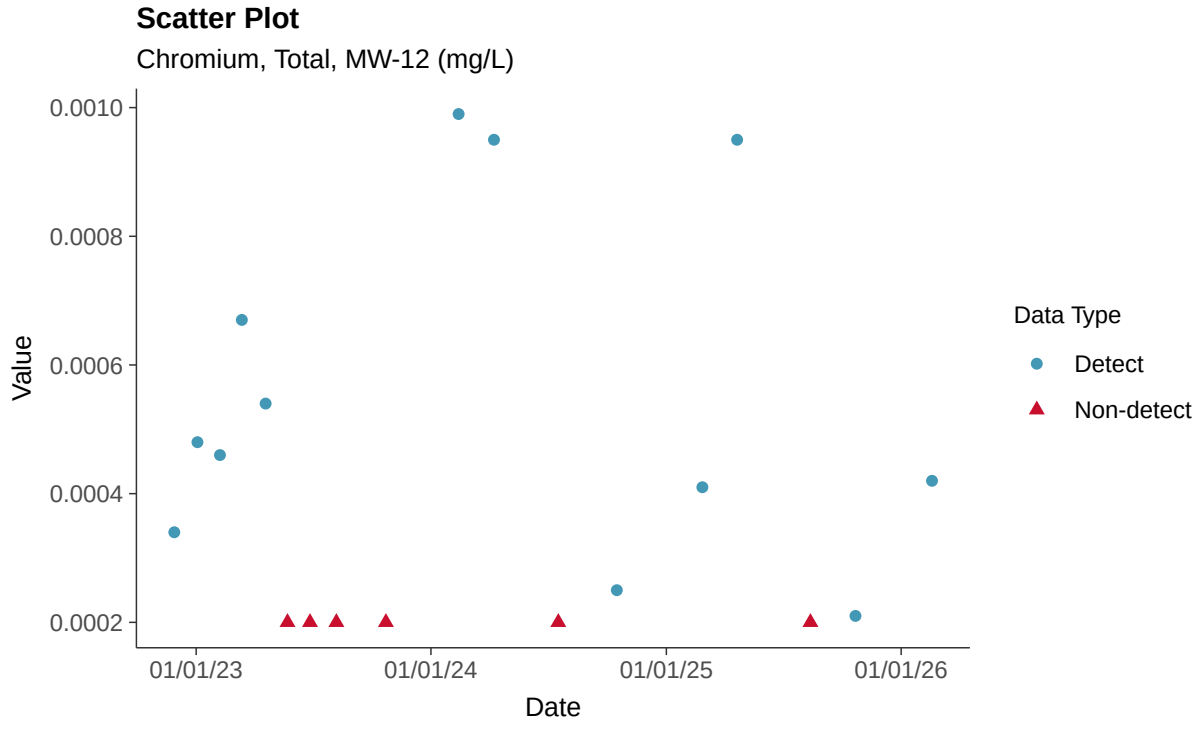
Trend Regression: Piecewise Linear-Linear

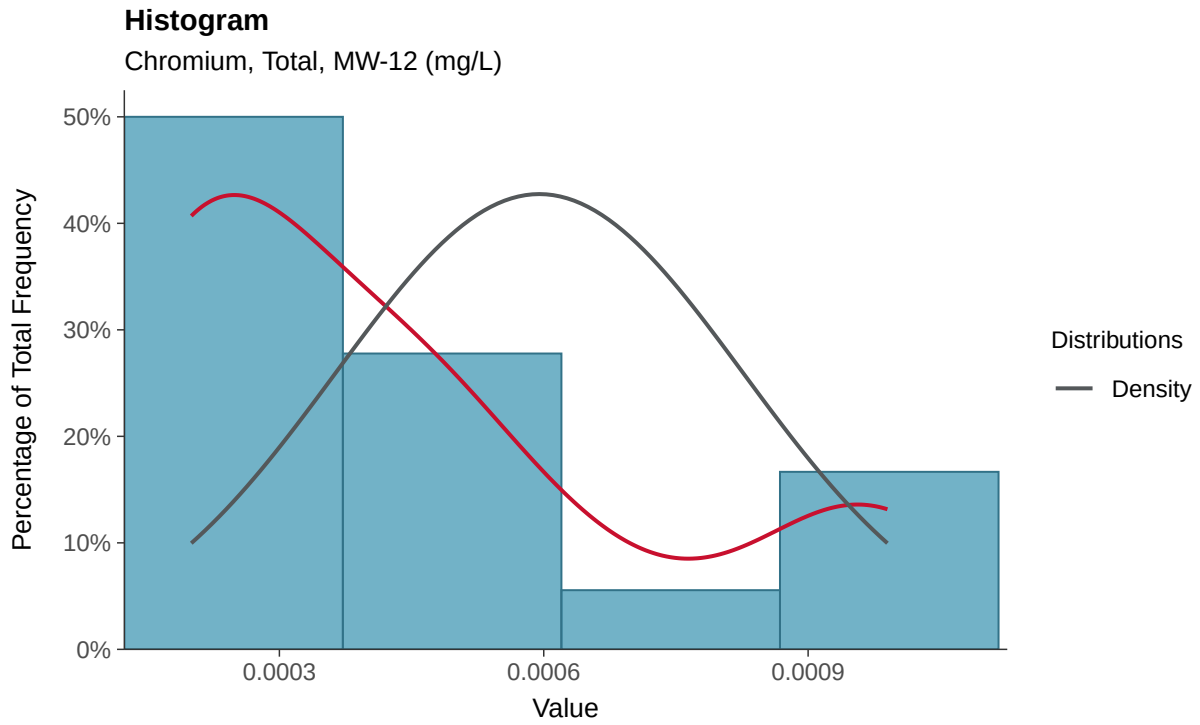
Cadmium, MW-12 (mg/L)



Appendix IV: Chromium, Total, MW-12

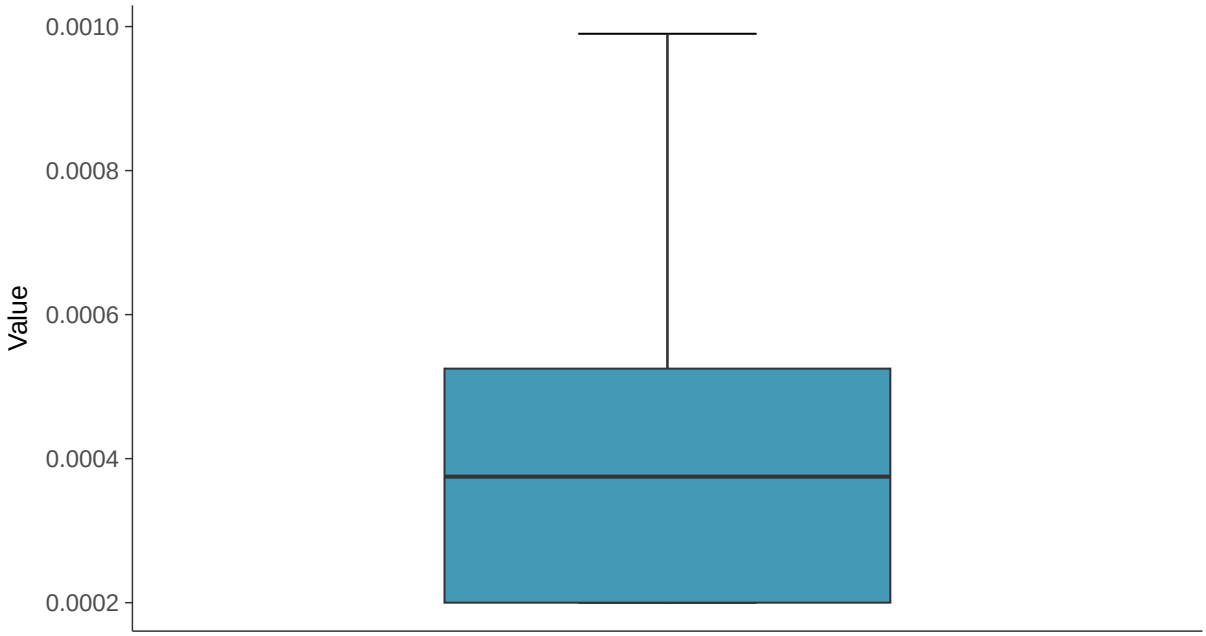
ID: 22_2_4_109





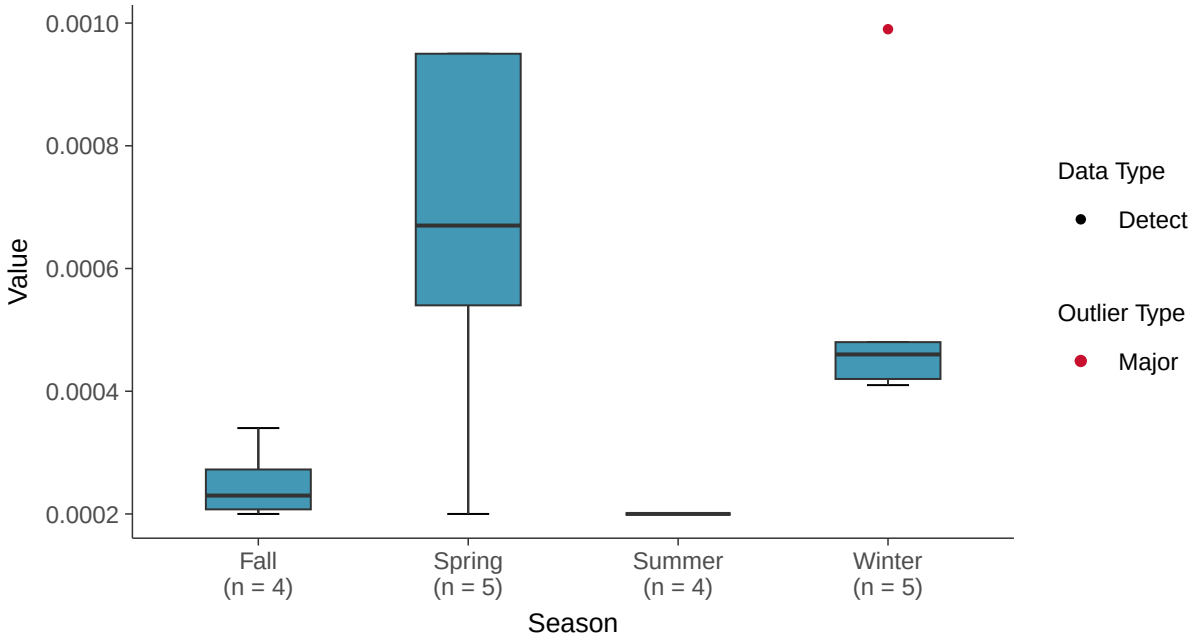
Boxplot

Chromium, Total, MW-12 (mg/L)



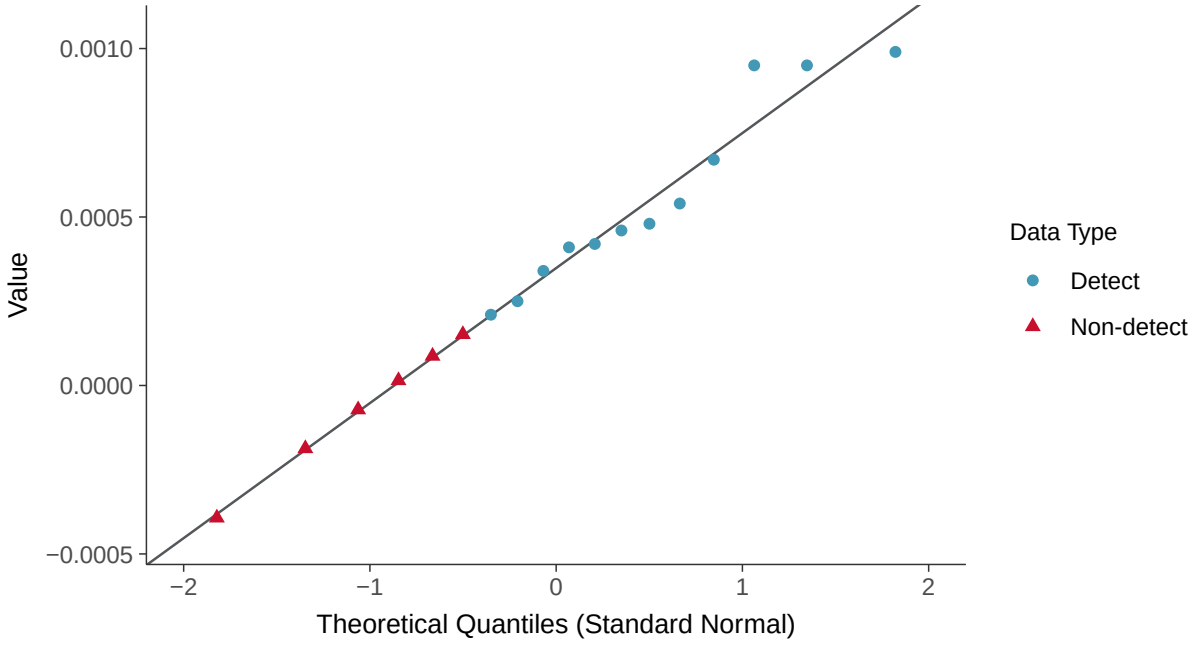
Boxplot by Season

Chromium, Total, MW-12 (mg/L)



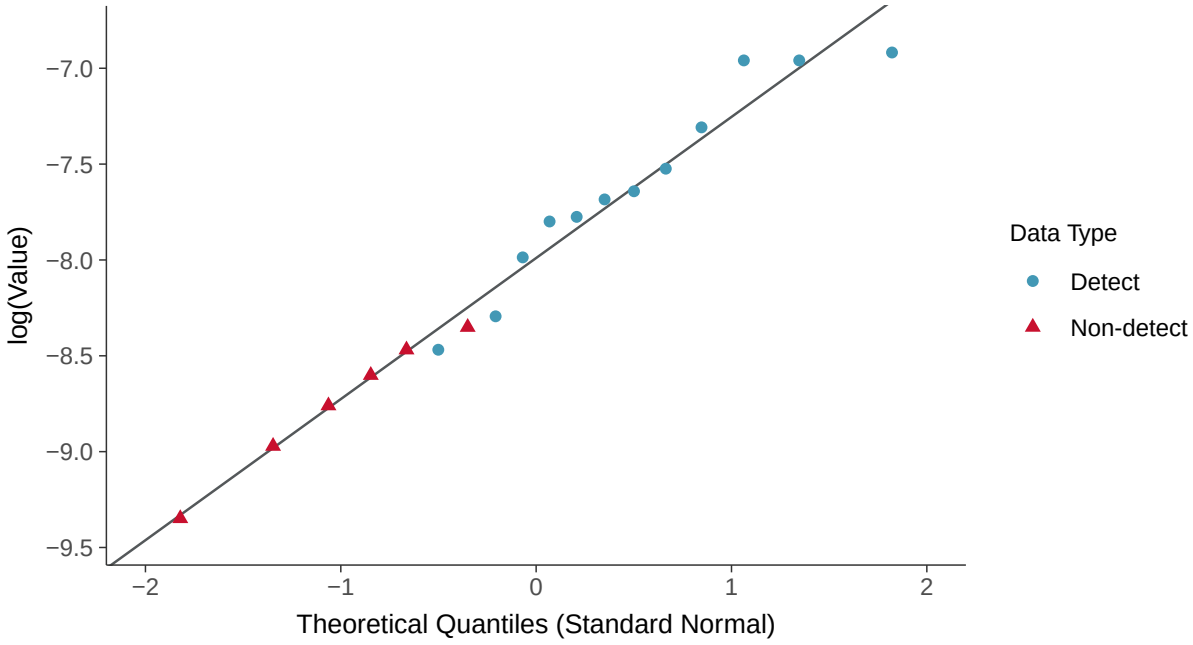
Normal Q-Q plot using ROS Imputed Estimates

Chromium, Total, MW-12 (mg/L)



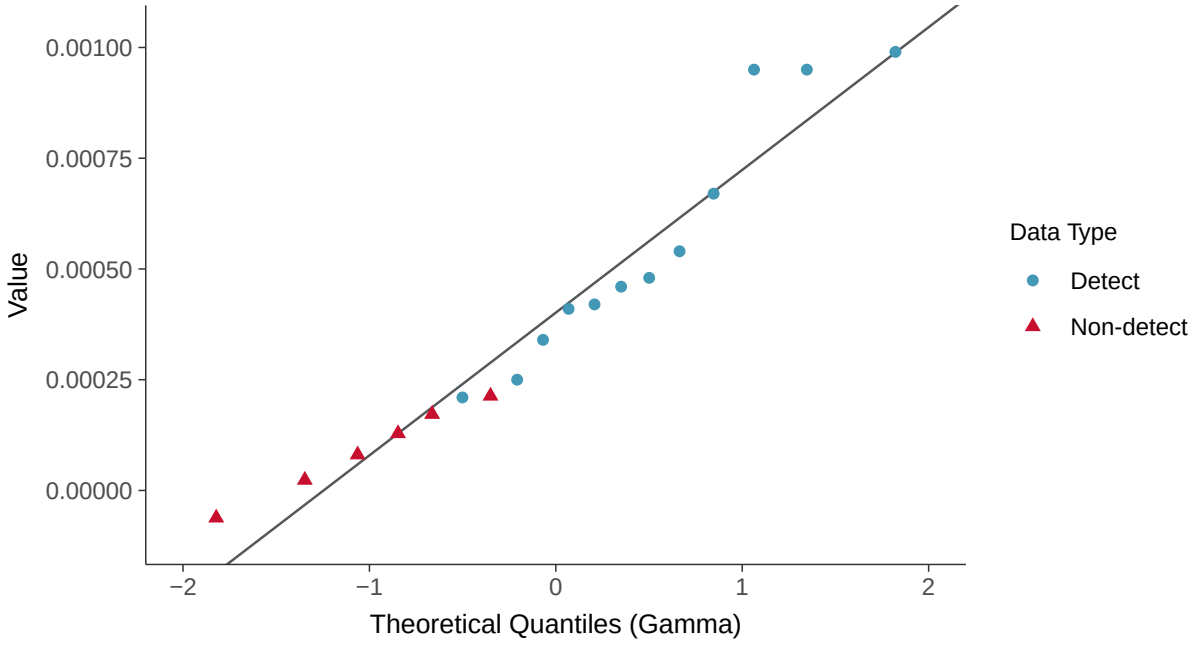
Lognormal Q-Q plot using ROS Imputed Estimates

Chromium, Total, MW-12 (mg/L)



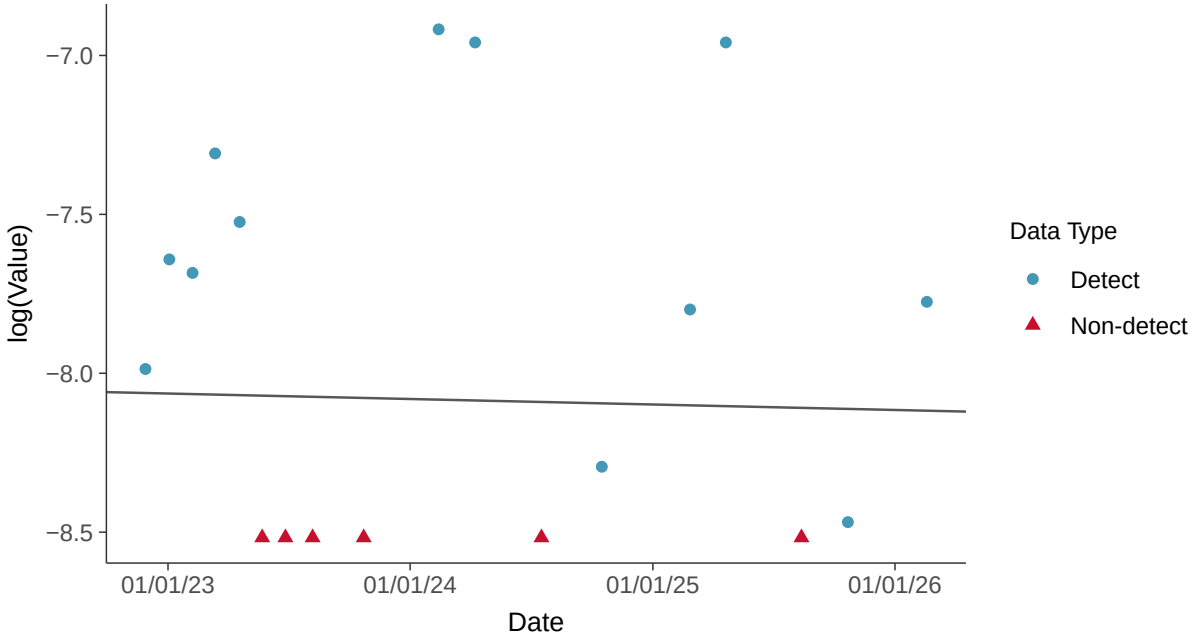
Gamma Q-Q plot using ROS Imputed Estimates

Chromium, Total, MW-12 (mg/L)



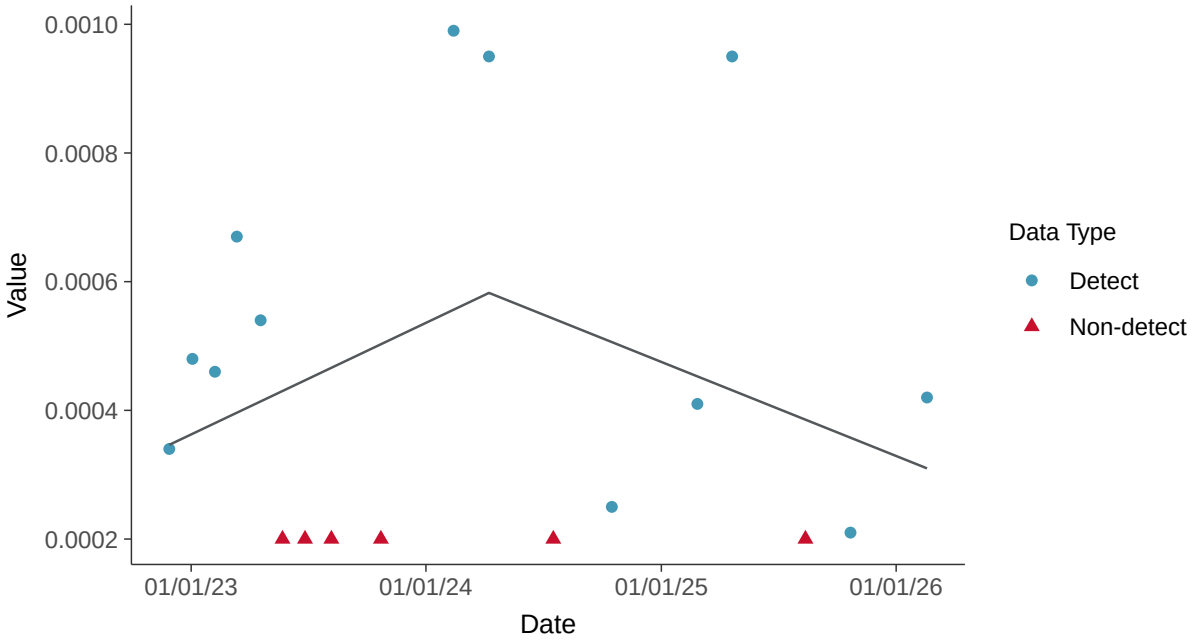
Trend Regression: Lognormal MLE

Chromium, Total, MW-12 (mg/L)



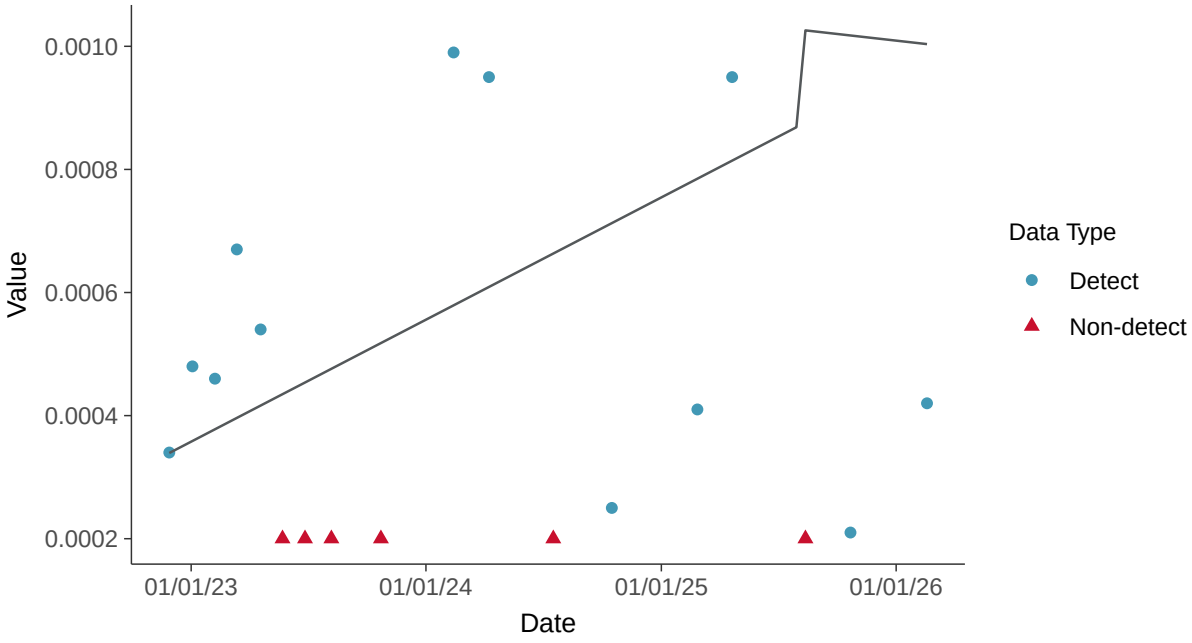
Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-12 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Chromium, Total, MW-12 (mg/L)

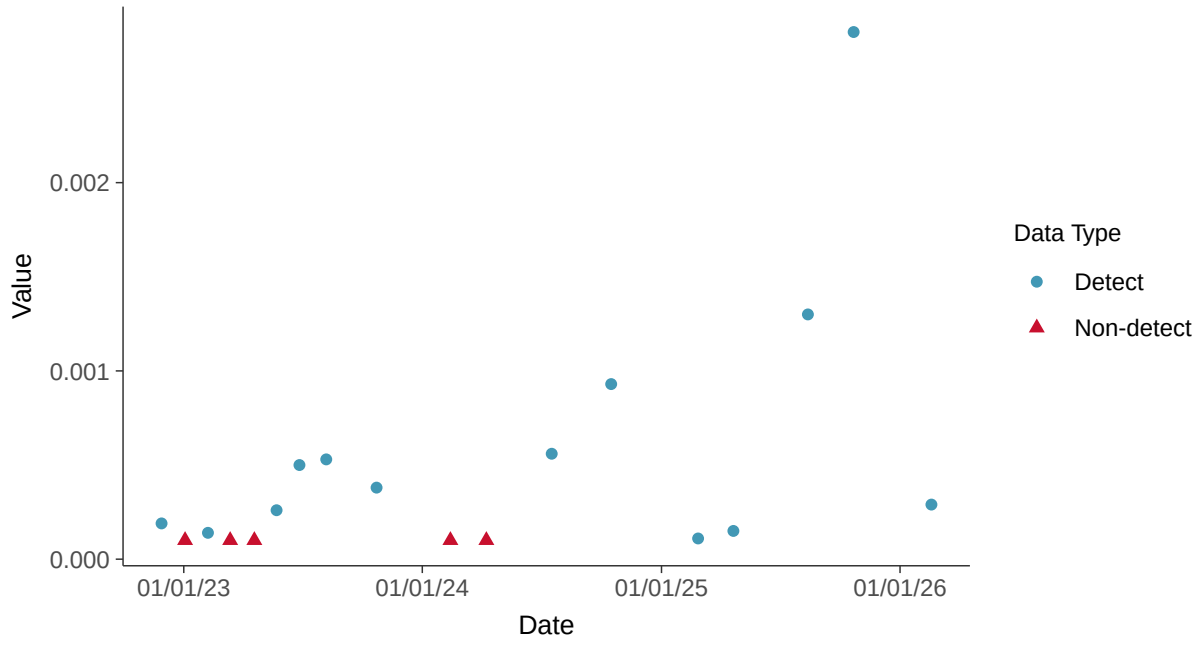


Appendix IV: Cobalt, MW-12

ID: 22_2_4_110

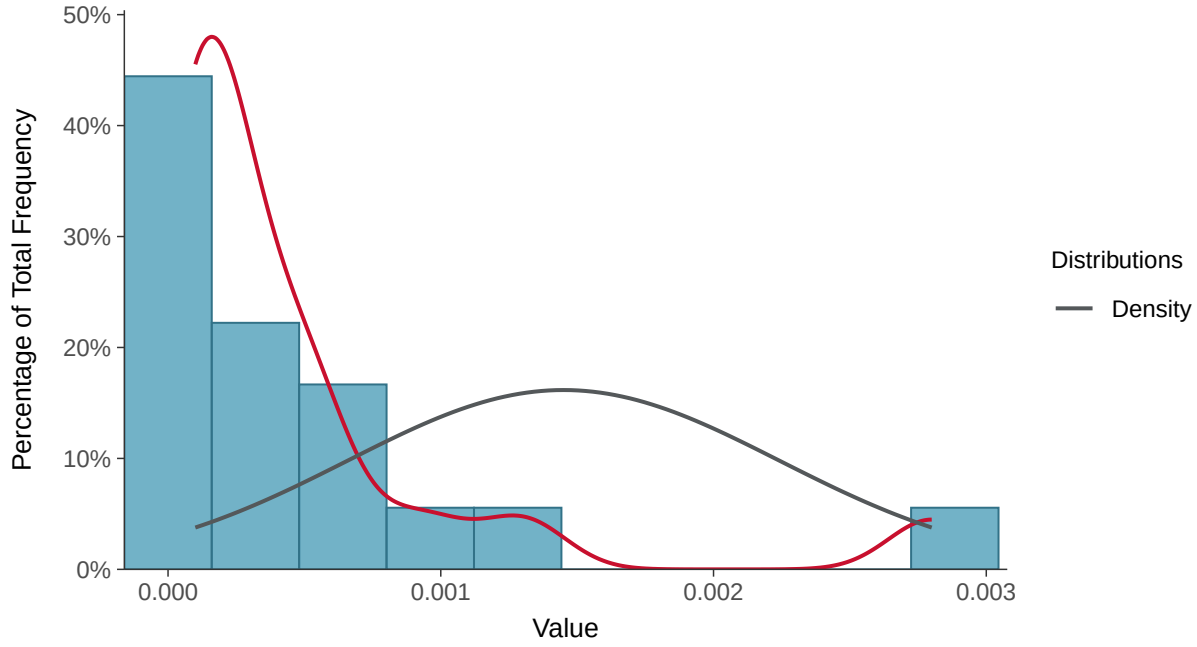
Scatter Plot

Cobalt, MW-12 (mg/L)



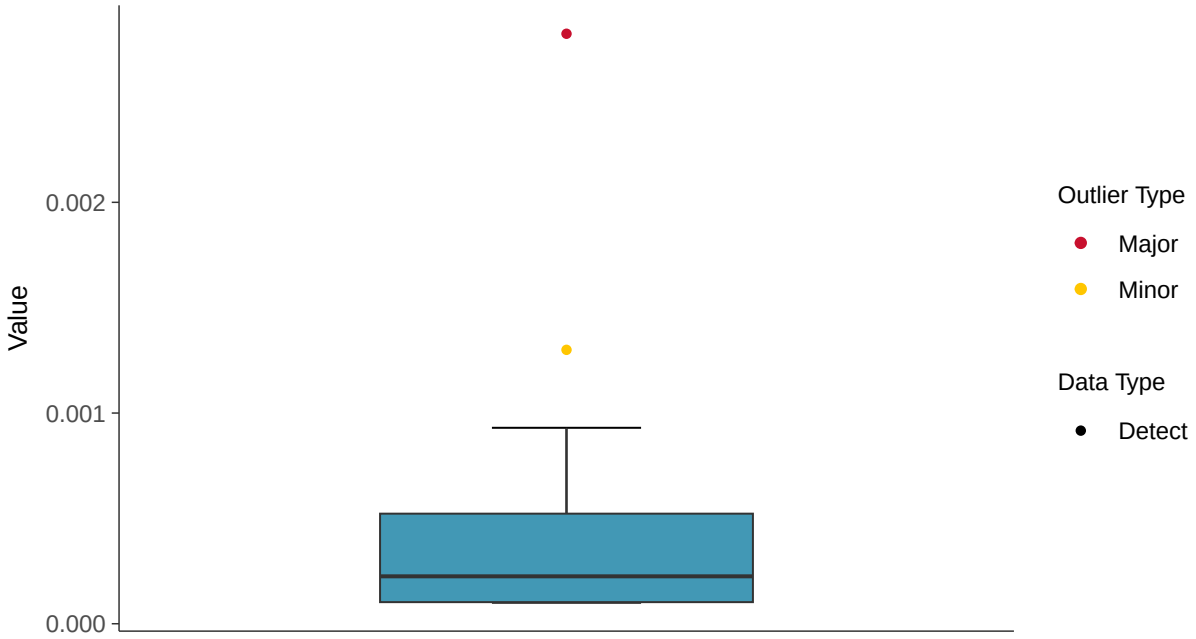
Histogram

Cobalt, MW-12 (mg/L)



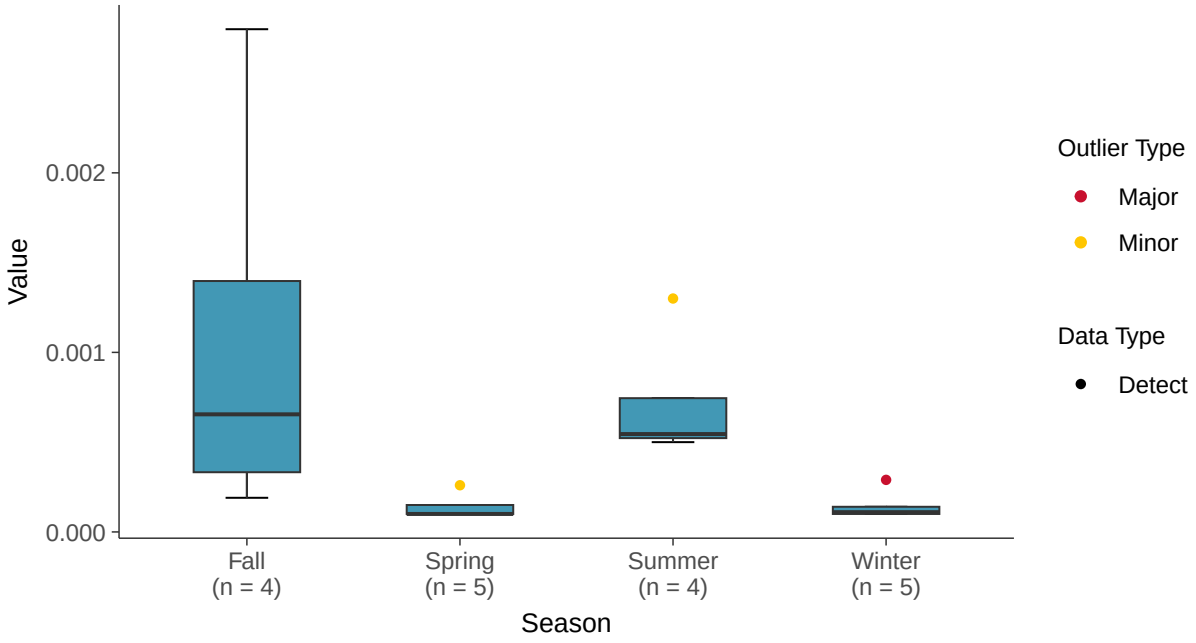
Boxplot

Cobalt, MW-12 (mg/L)



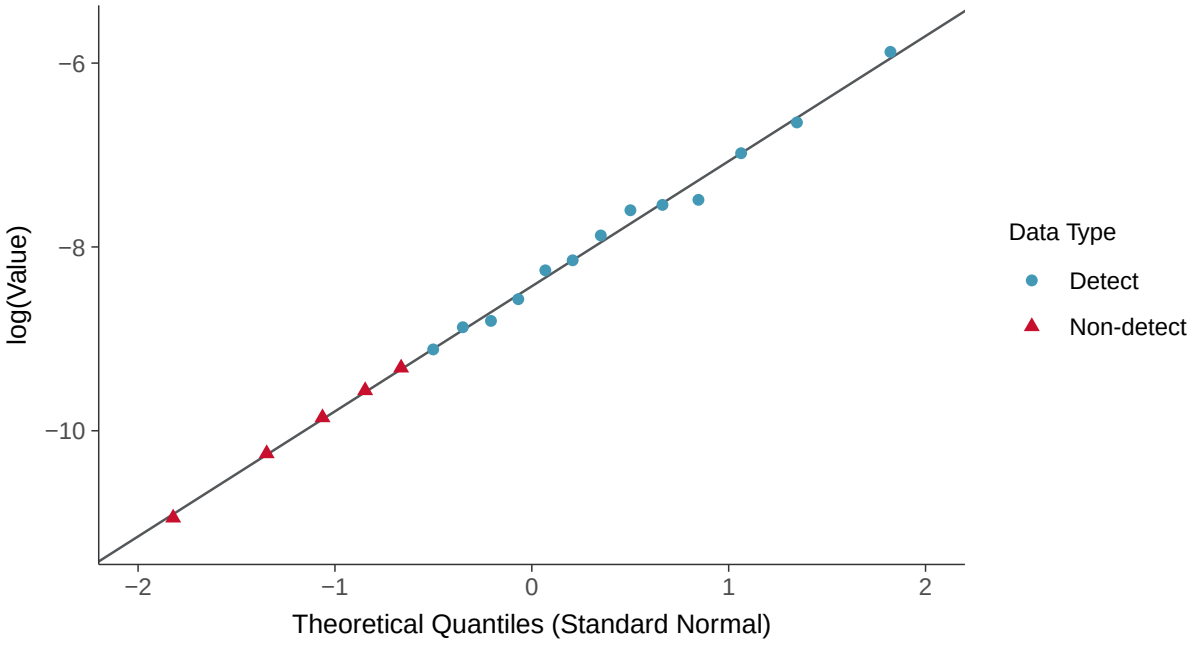
Boxplot by Season

Cobalt, MW-12 (mg/L)



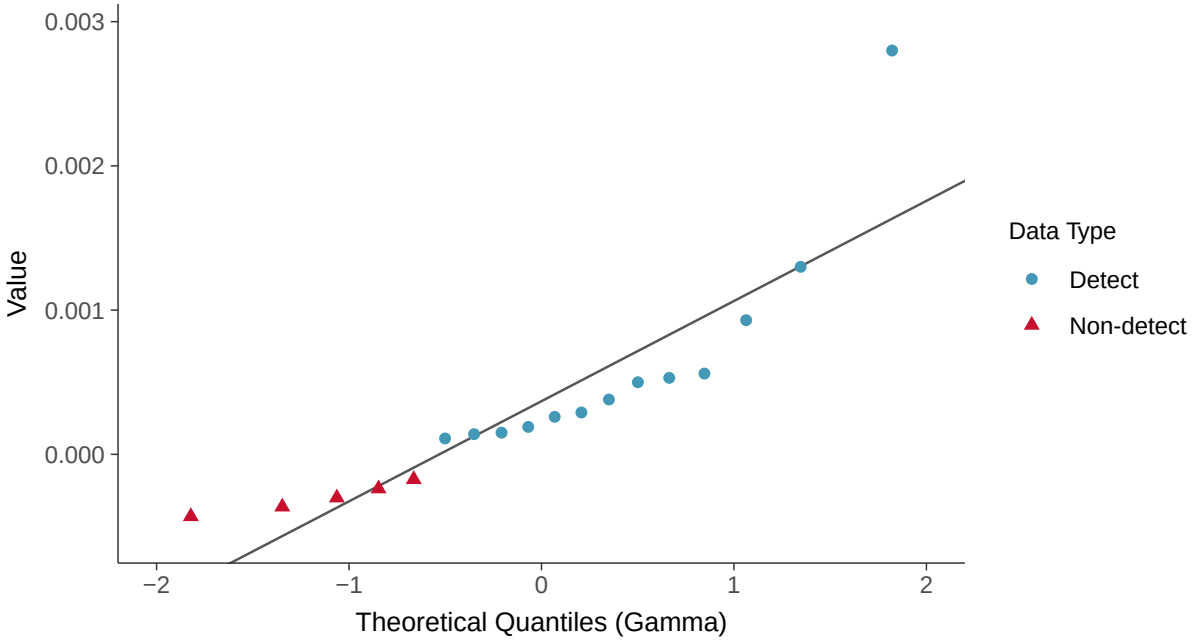
Lognormal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-12 (mg/L)



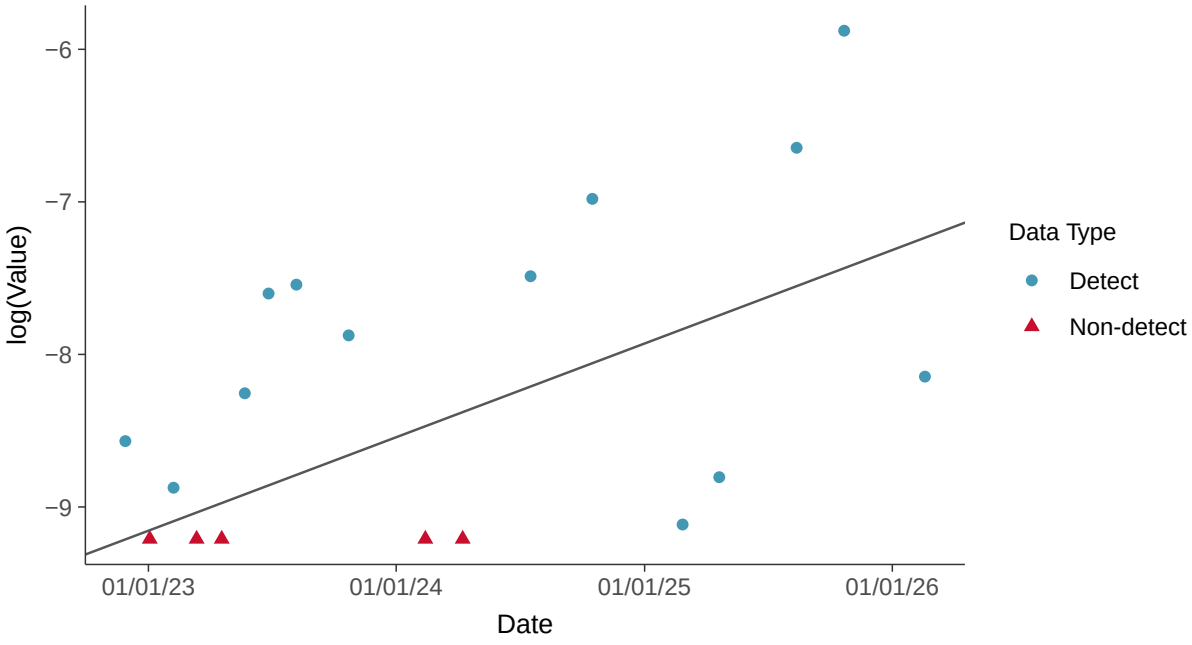
Gamma Q-Q plot using ROS Imputed Estimates

Cobalt, MW-12 (mg/L)



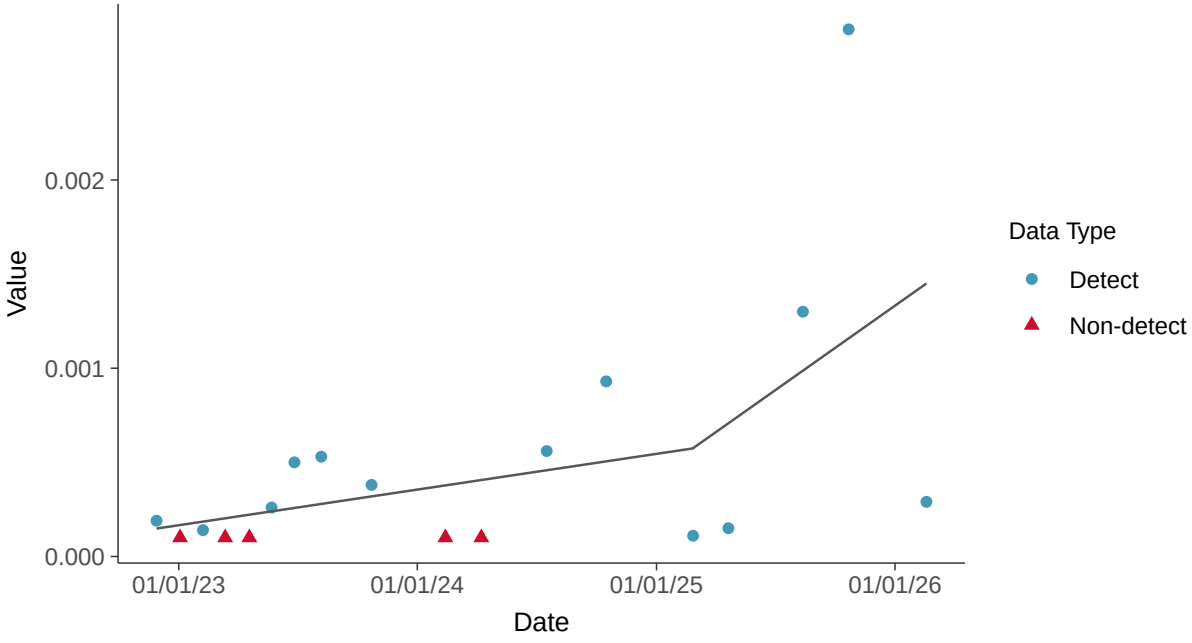
Trend Regression: Lognormal MLE

Cobalt, MW-12 (mg/L)



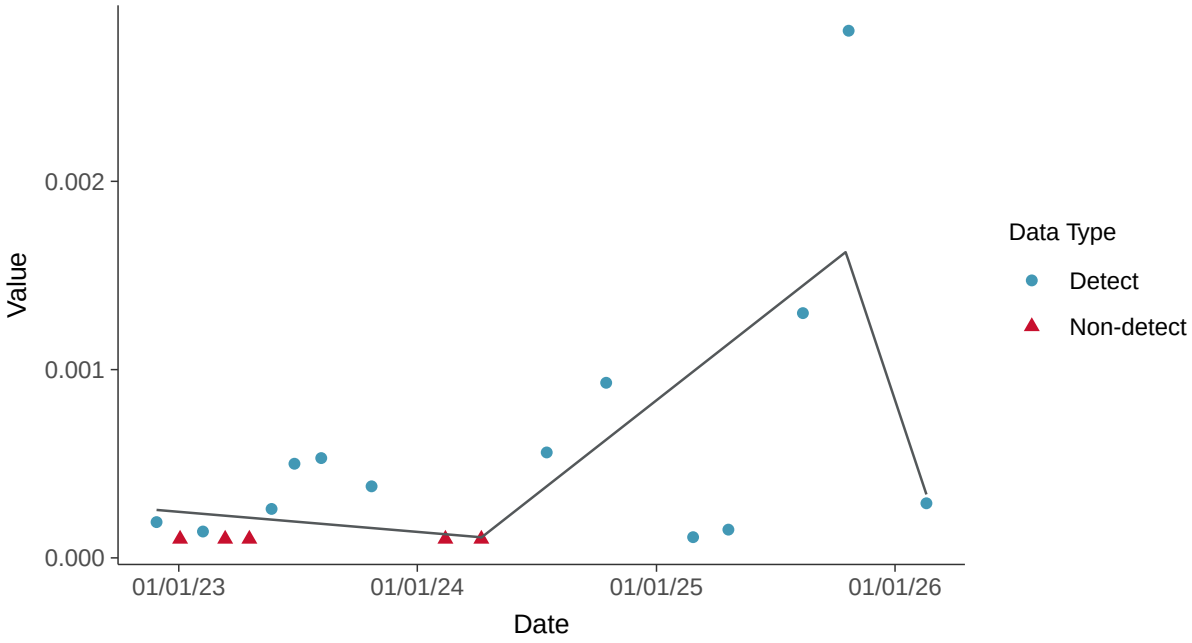
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-12 (mg/L)



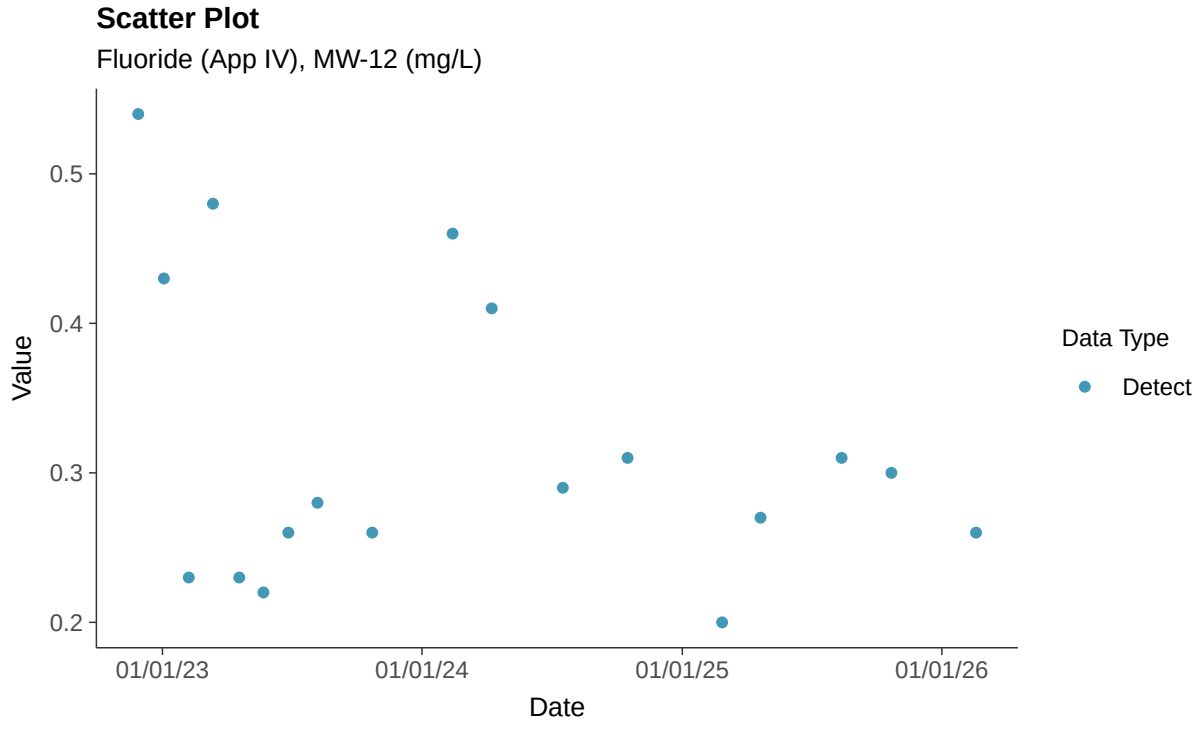
Trend Regression: Piecewise Linear-Linear-Linear

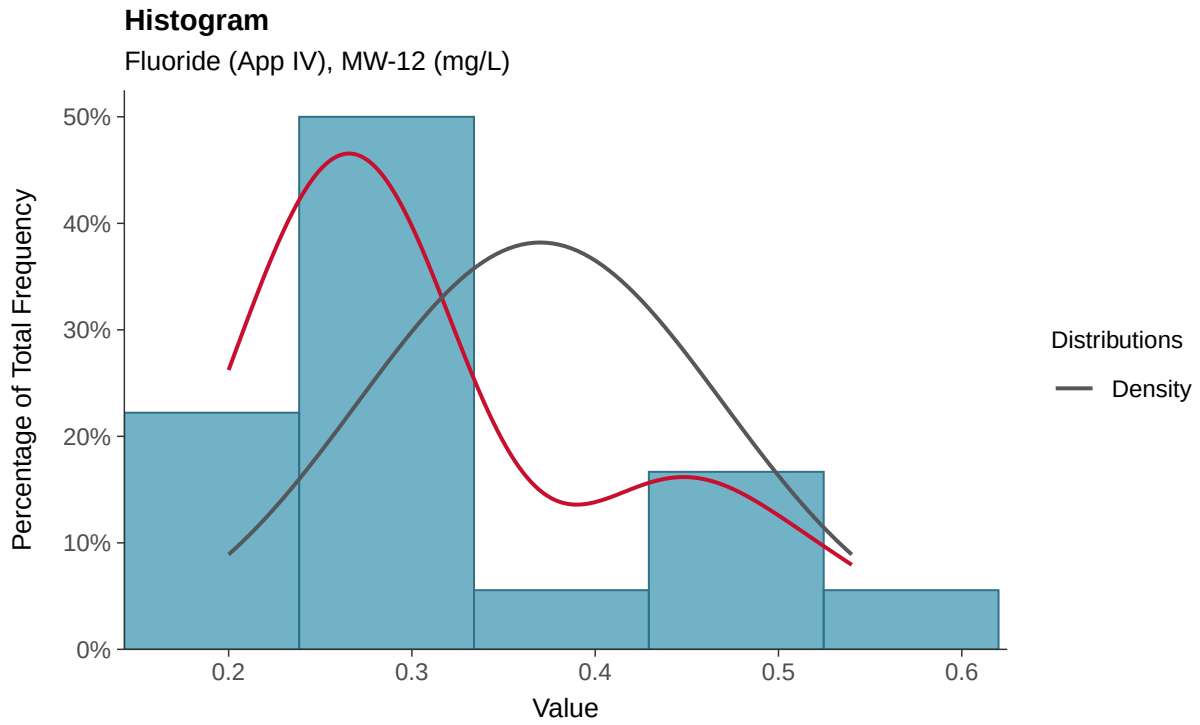
Cobalt, MW-12 (mg/L)



Appendix IV: Fluoride (App IV), MW-12

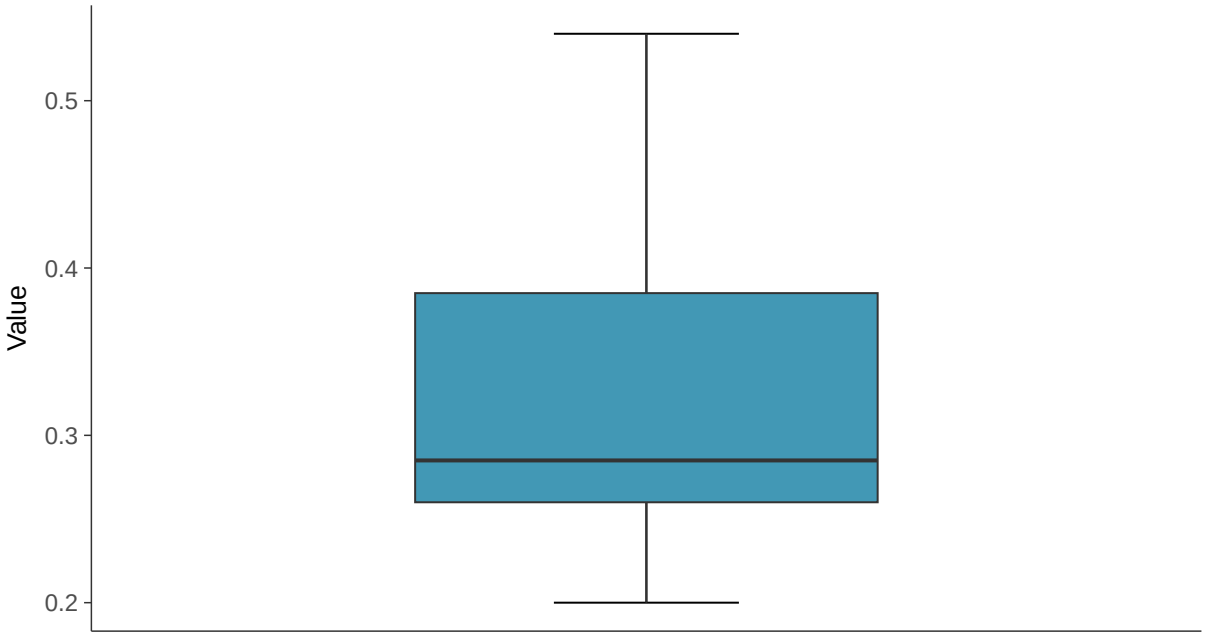
ID: 22_2_4_113





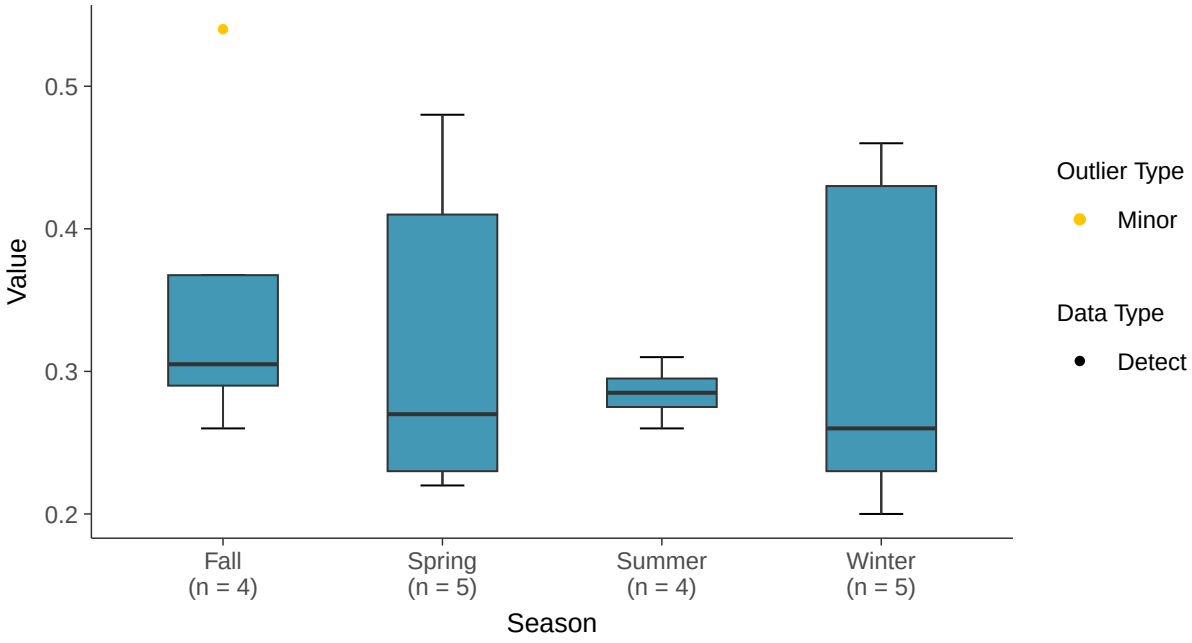
Boxplot

Fluoride (App IV), MW-12 (mg/L)



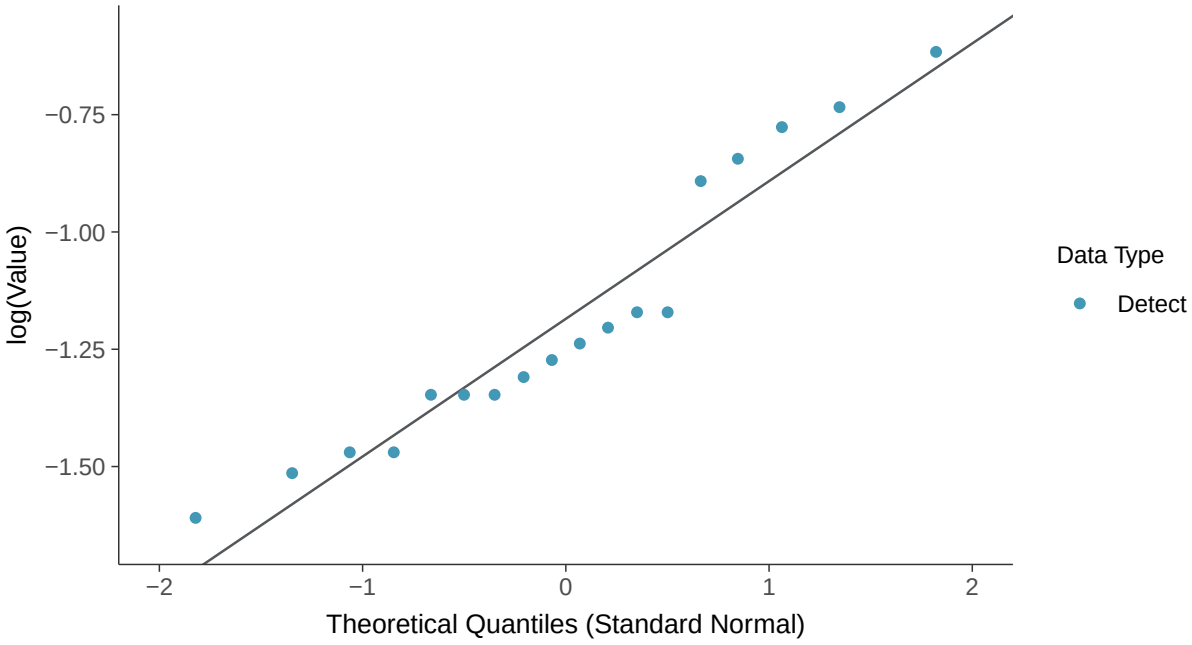
Boxplot by Season

Fluoride (App IV), MW-12 (mg/L)



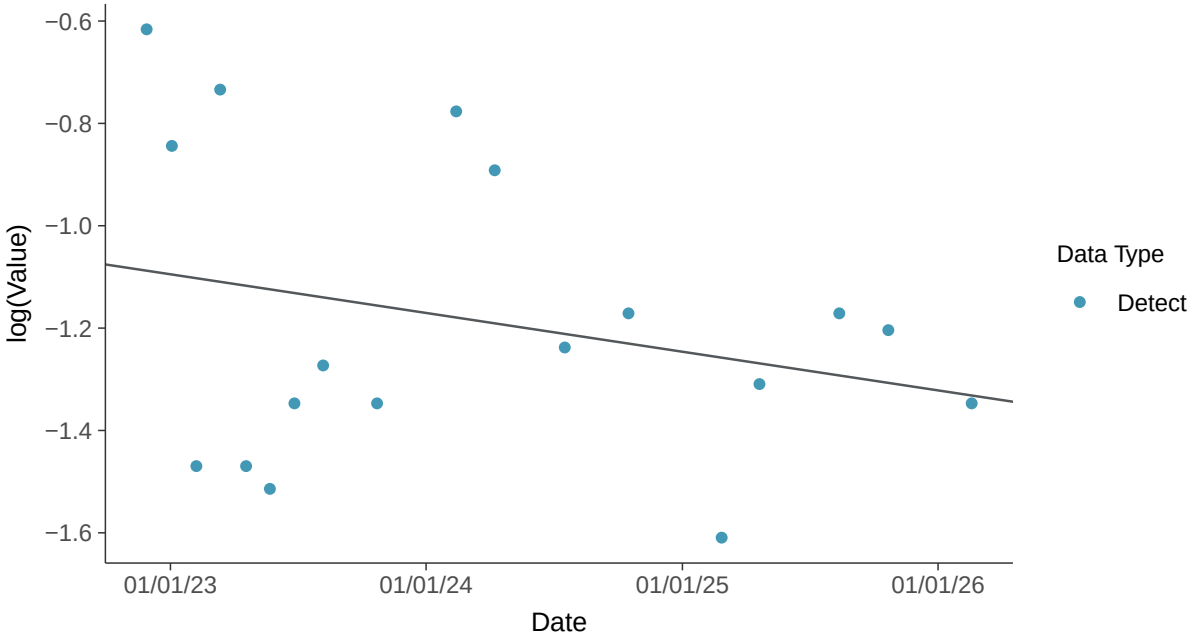
Lognormal Q-Q plot

Fluoride (App IV), MW-12 (mg/L)



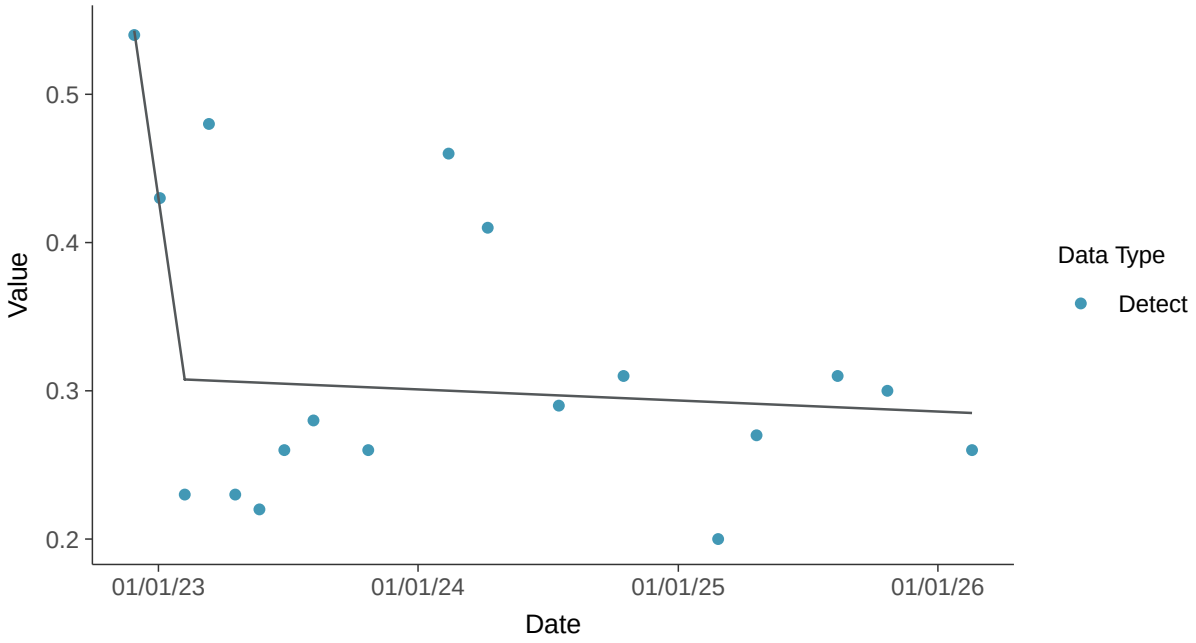
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-12 (mg/L)



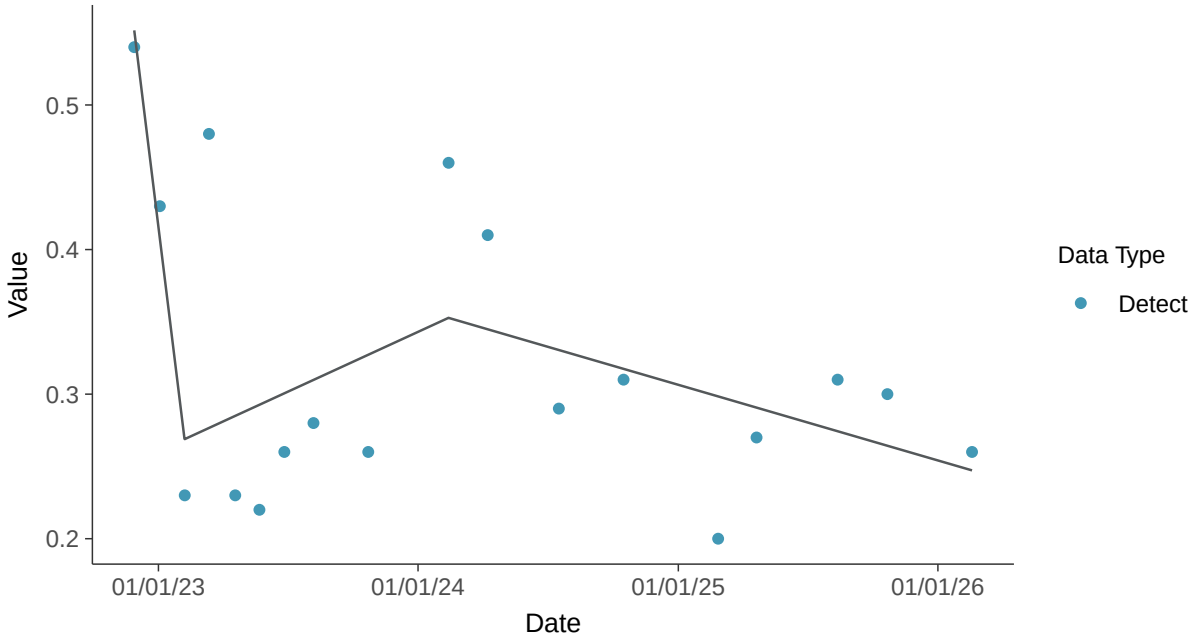
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-12 (mg/L)



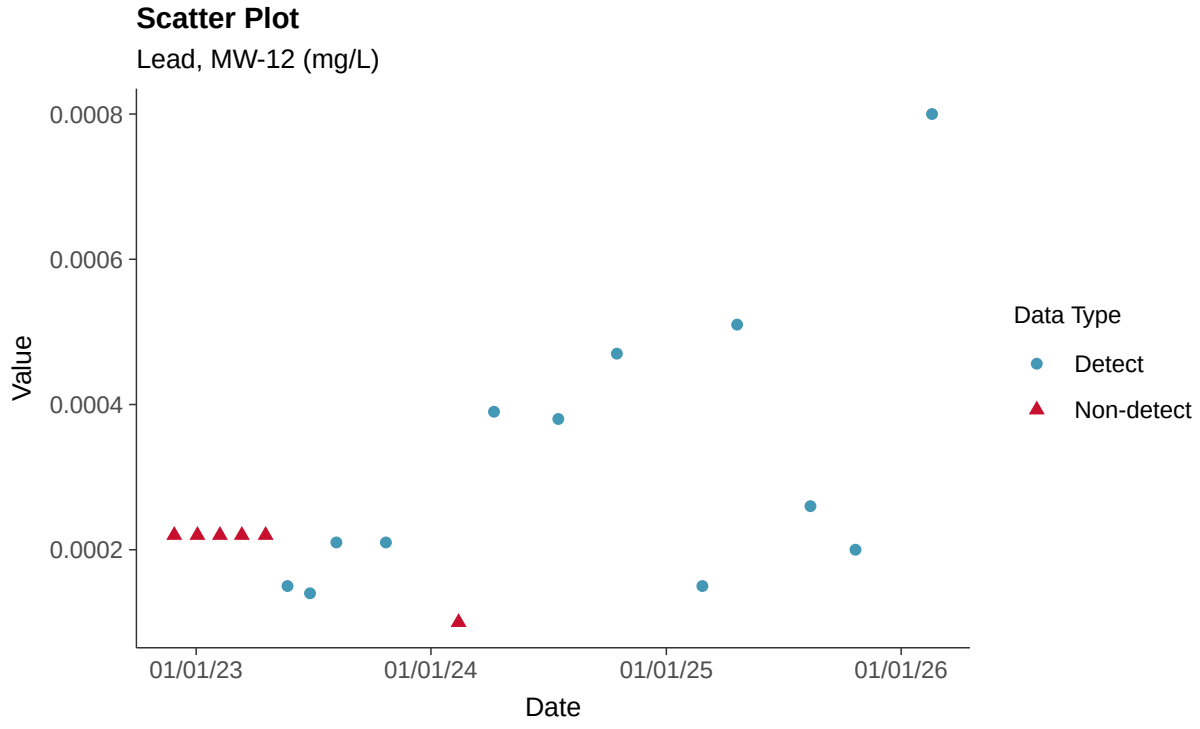
Trend Regression: Piecewise Linear-Linear-Linear

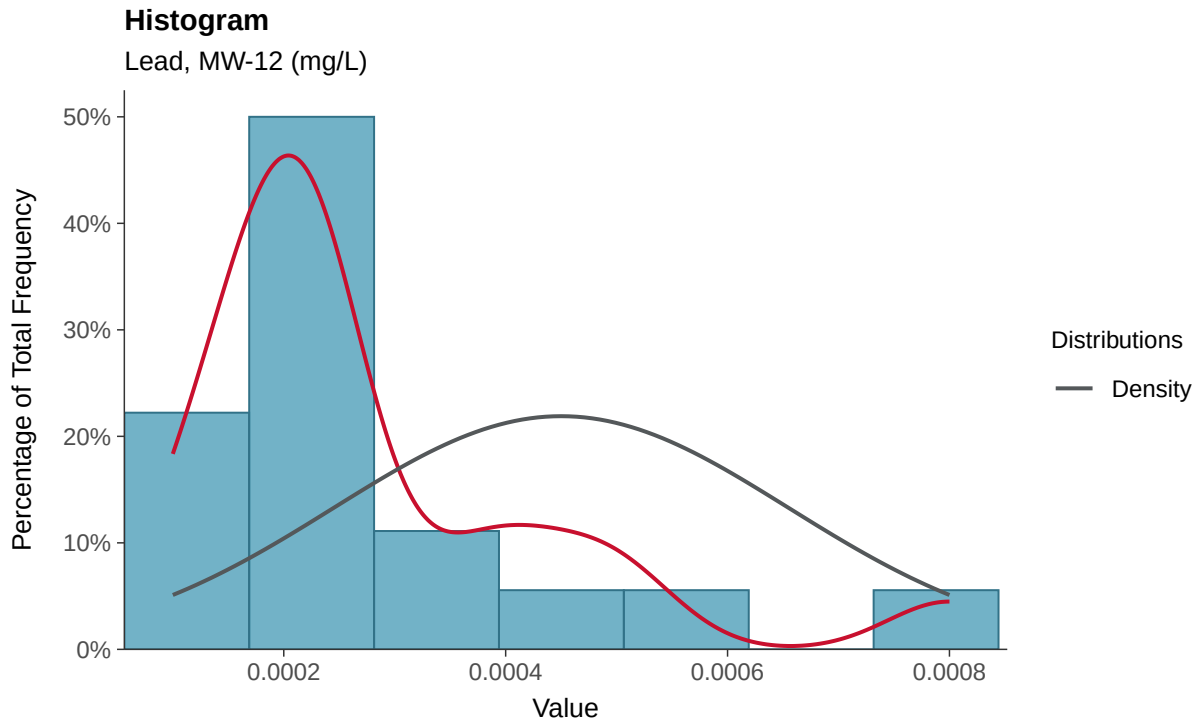
Fluoride (App IV), MW-12 (mg/L)



Appendix IV: Lead, MW-12

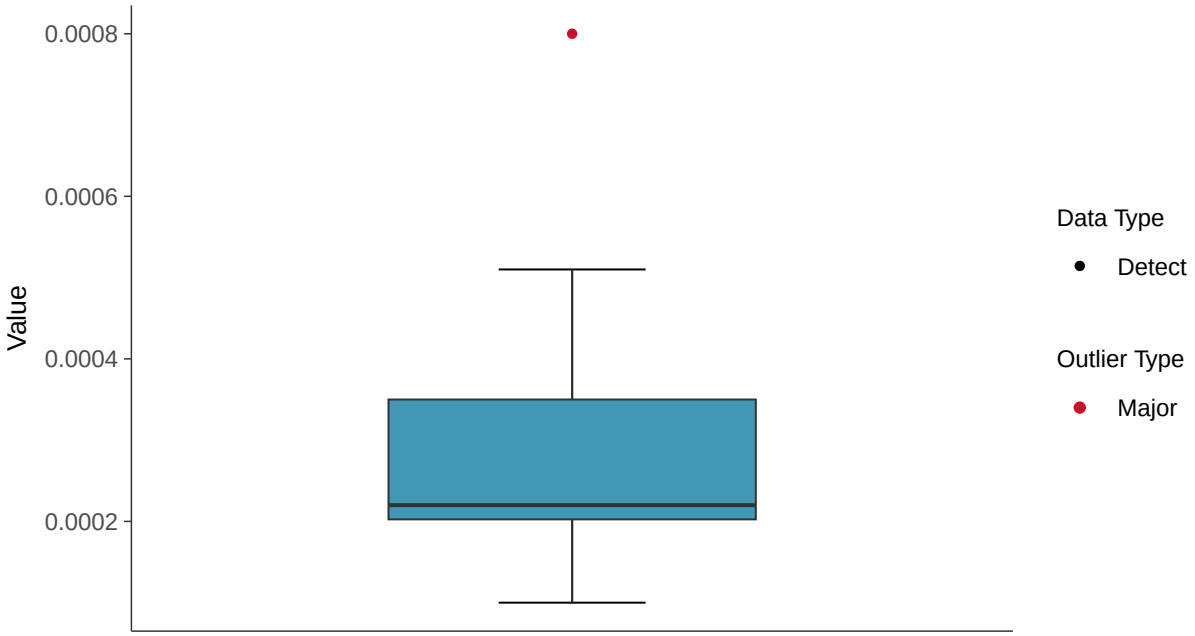
ID: 22_2_4_115





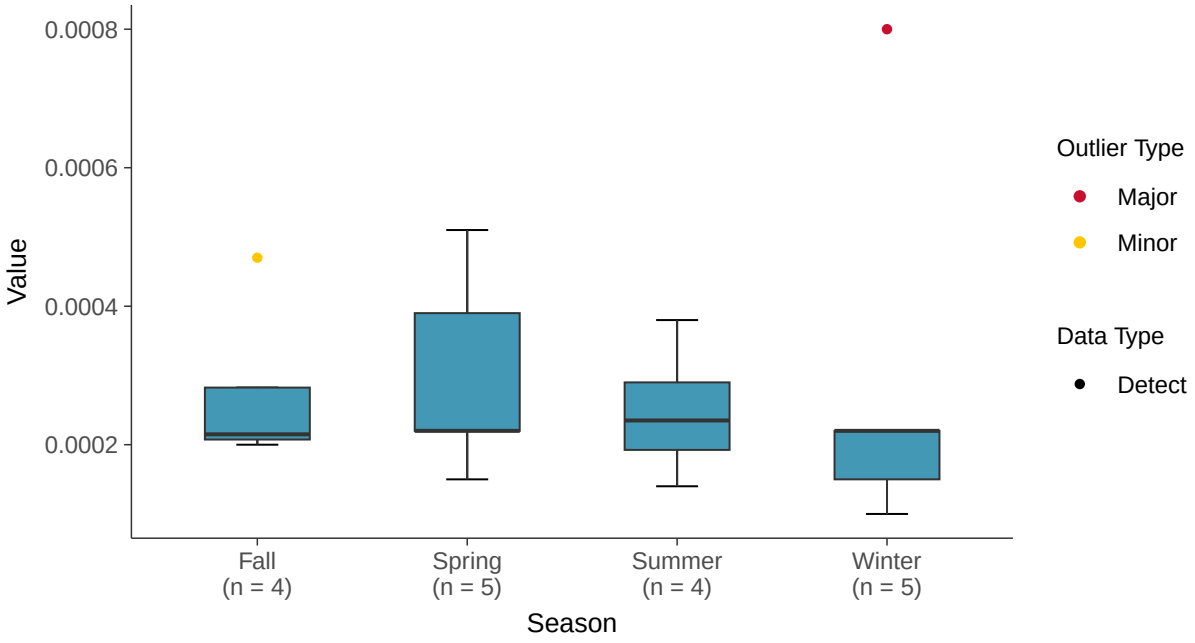
Boxplot

Lead, MW-12 (mg/L)



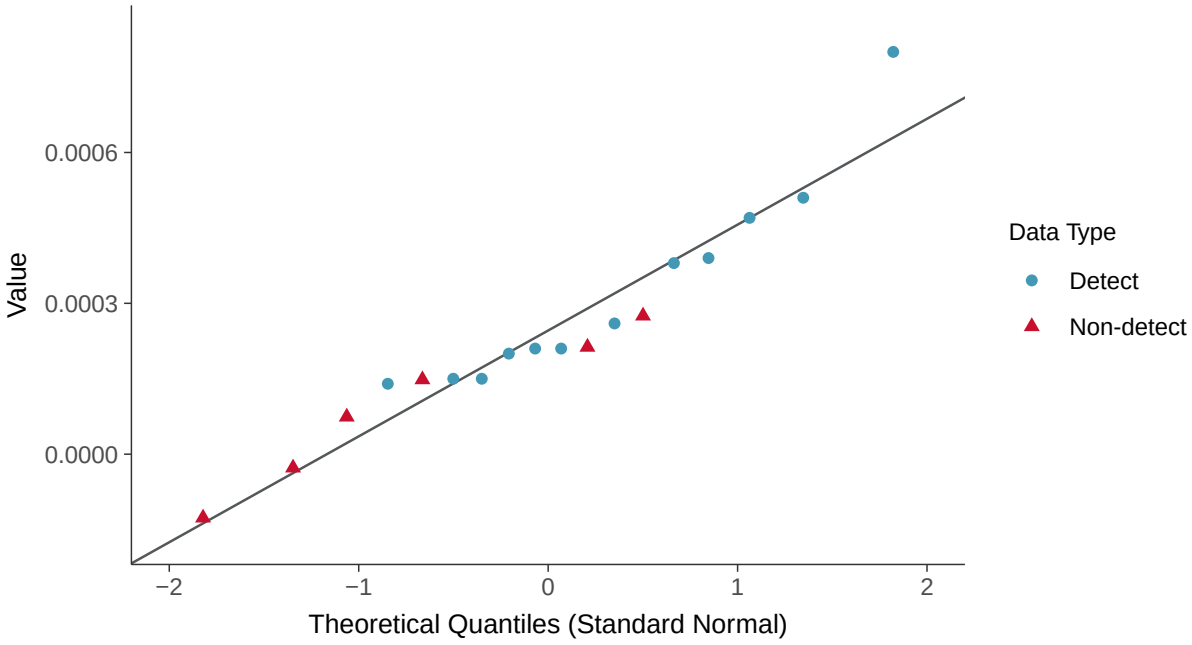
Boxplot by Season

Lead, MW-12 (mg/L)



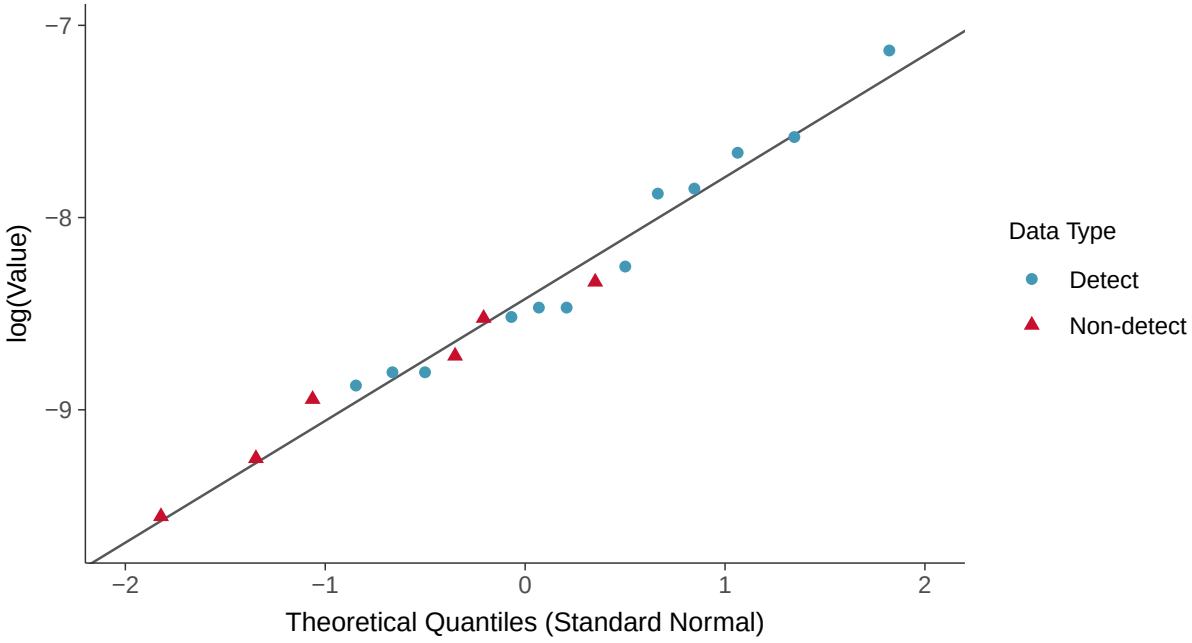
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-12 (mg/L)



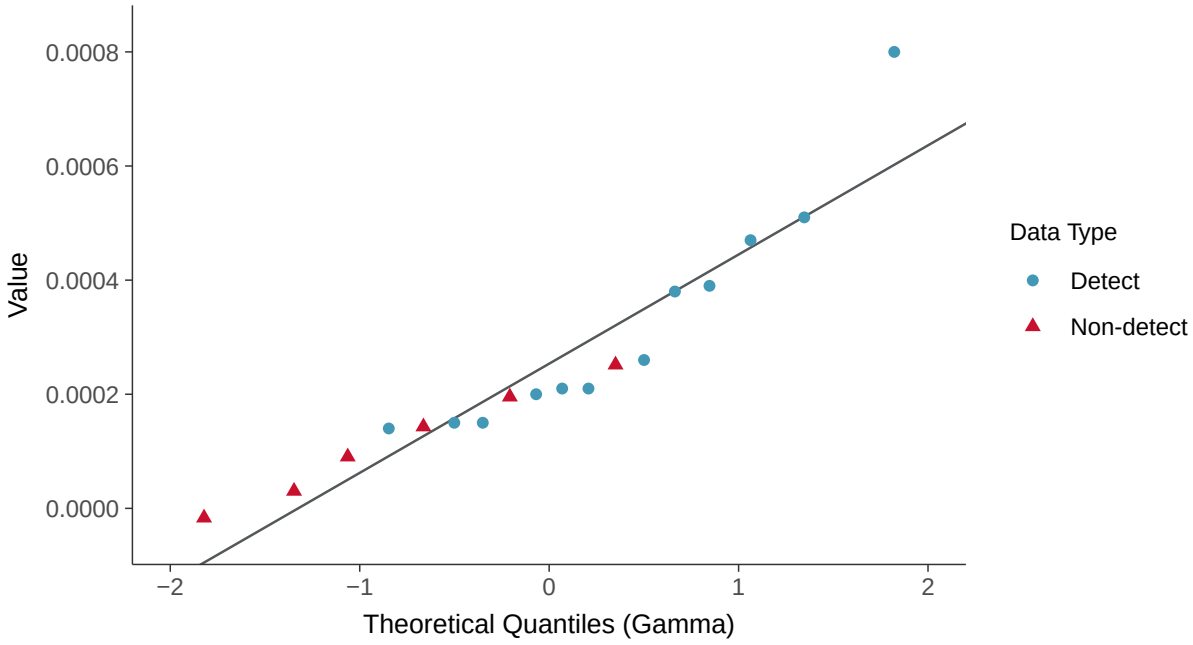
Lognormal Q-Q plot using ROS Imputed Estimates

Lead, MW-12 (mg/L)



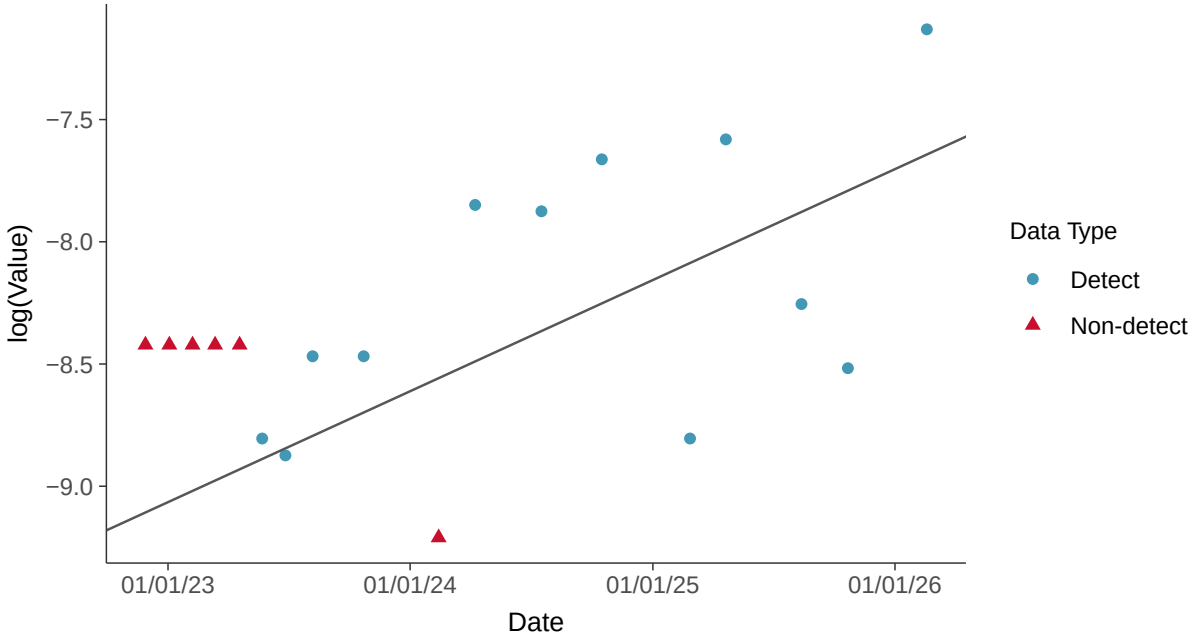
Gamma Q-Q plot using ROS Imputed Estimates

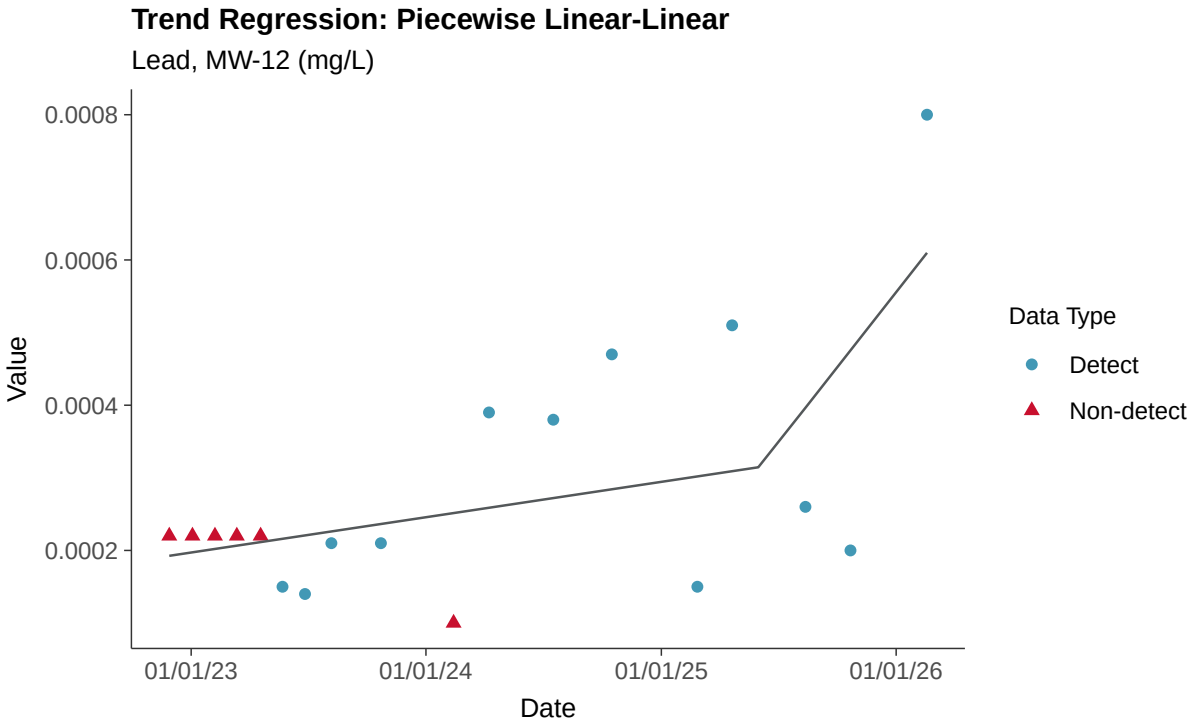
Lead, MW-12 (mg/L)



Trend Regression: Lognormal MLE

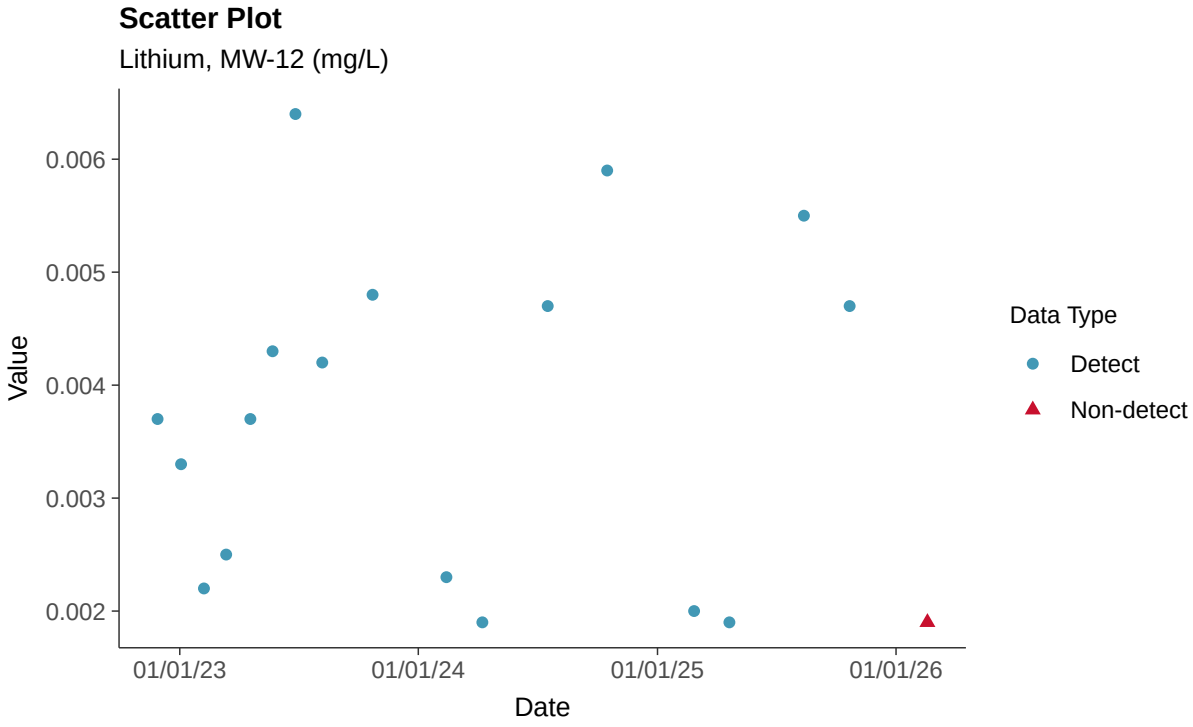
Lead, MW-12 (mg/L)

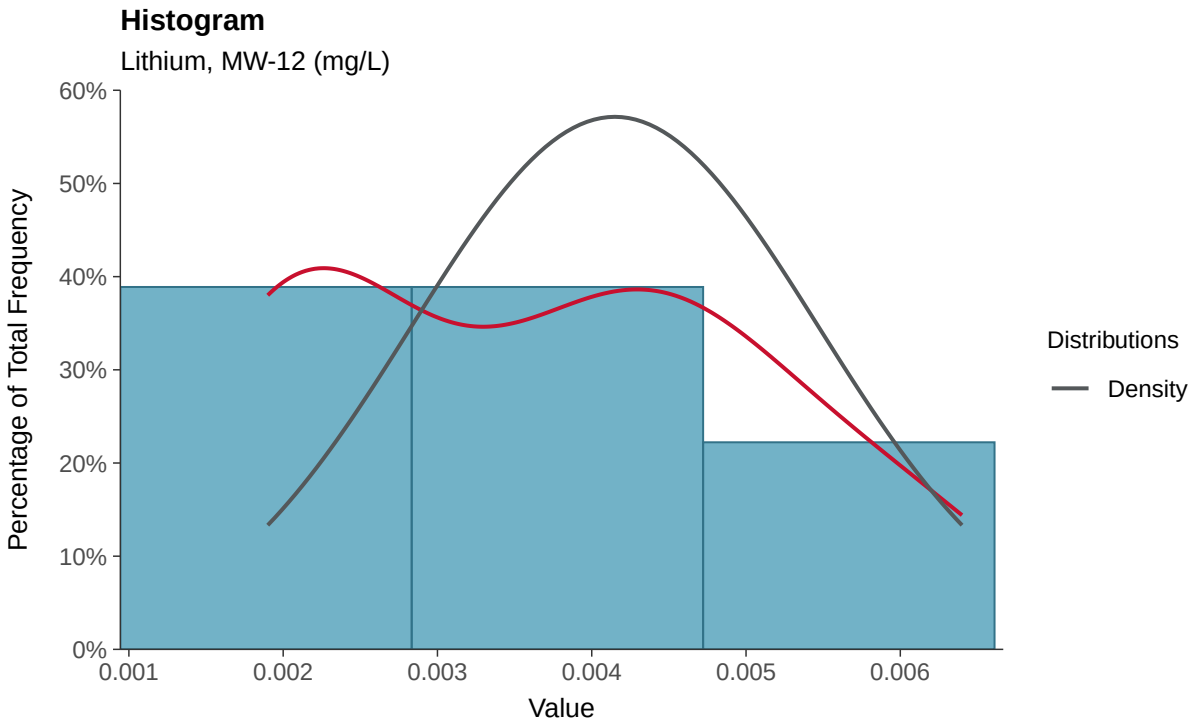



Trend Regression: Piecewise Linear-Linear
Lead, MW-12 (mg/L)
0.0008
0.0006
0.0004
0.0002
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Lithium, MW-12

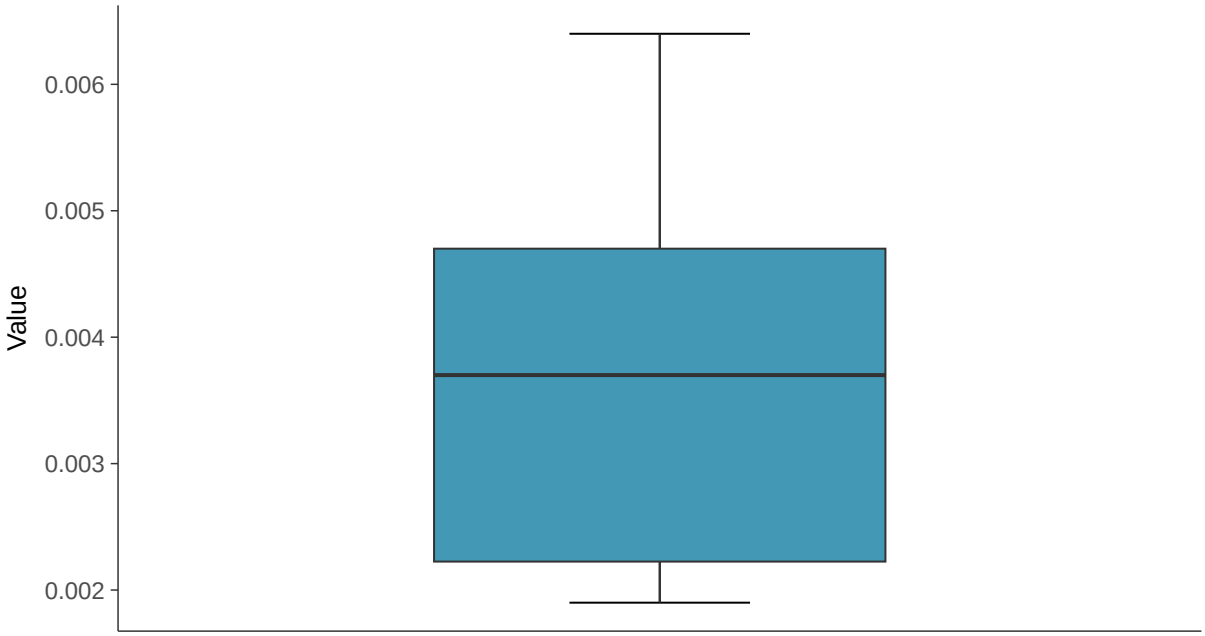
ID: 22_2_4_116





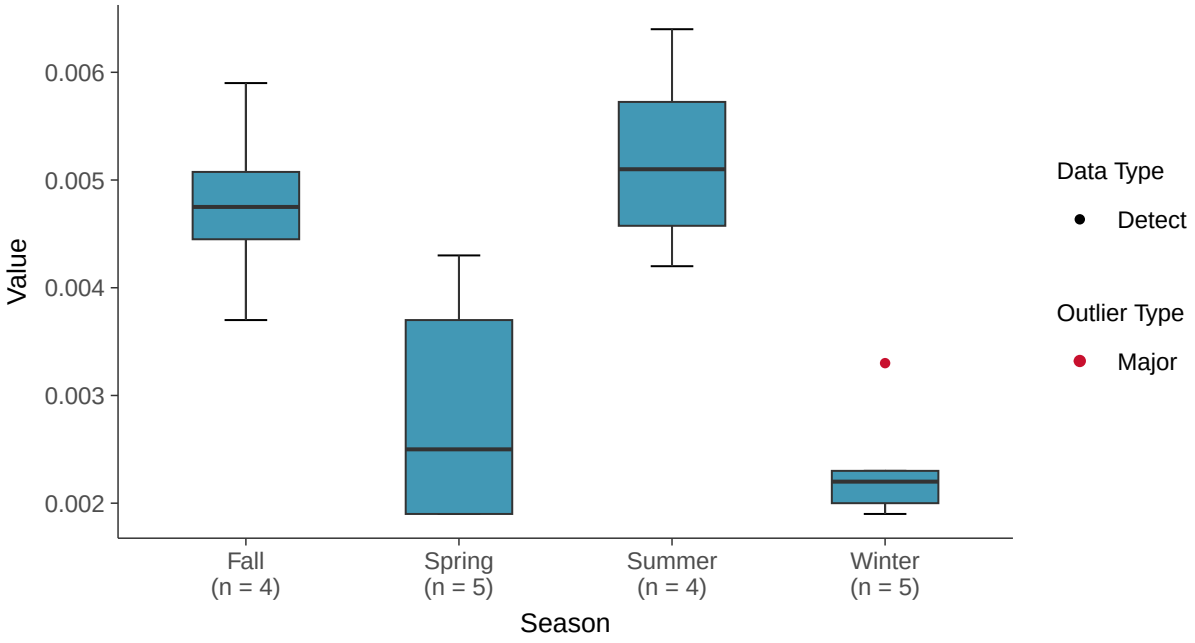
Boxplot

Lithium, MW-12 (mg/L)



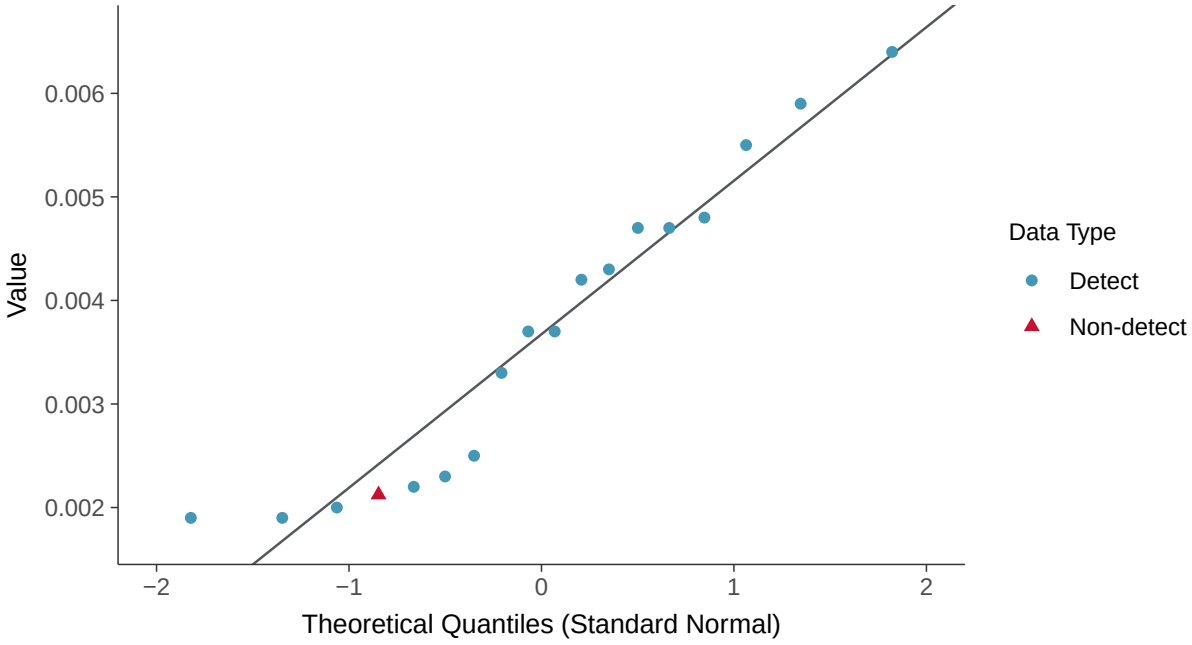
Boxplot by Season

Lithium, MW-12 (mg/L)



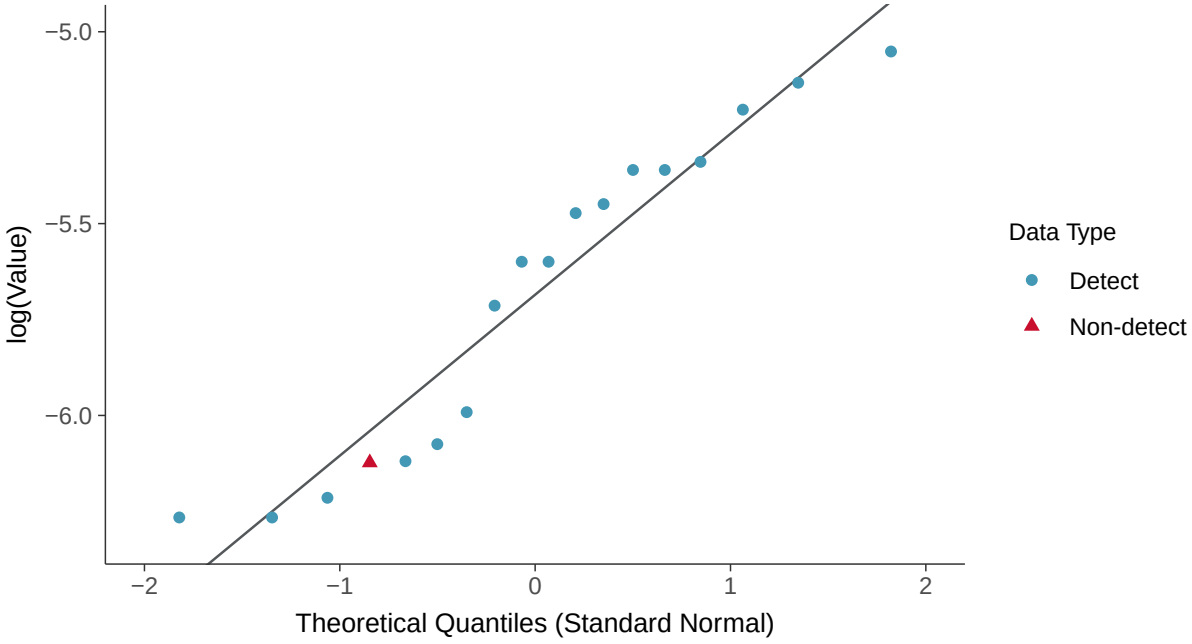
Normal Q-Q plot using ROS Imputed Estimates

Lithium, MW-12 (mg/L)



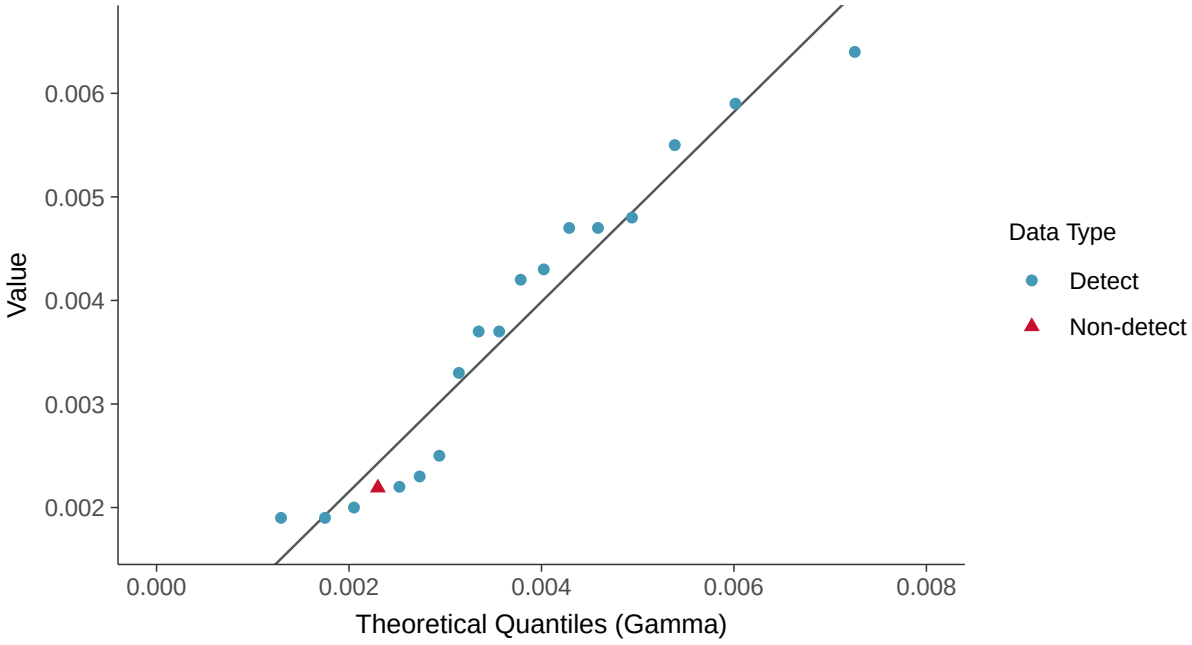
Lognormal Q-Q plot using ROS Imputed Estimates

Lithium, MW-12 (mg/L)



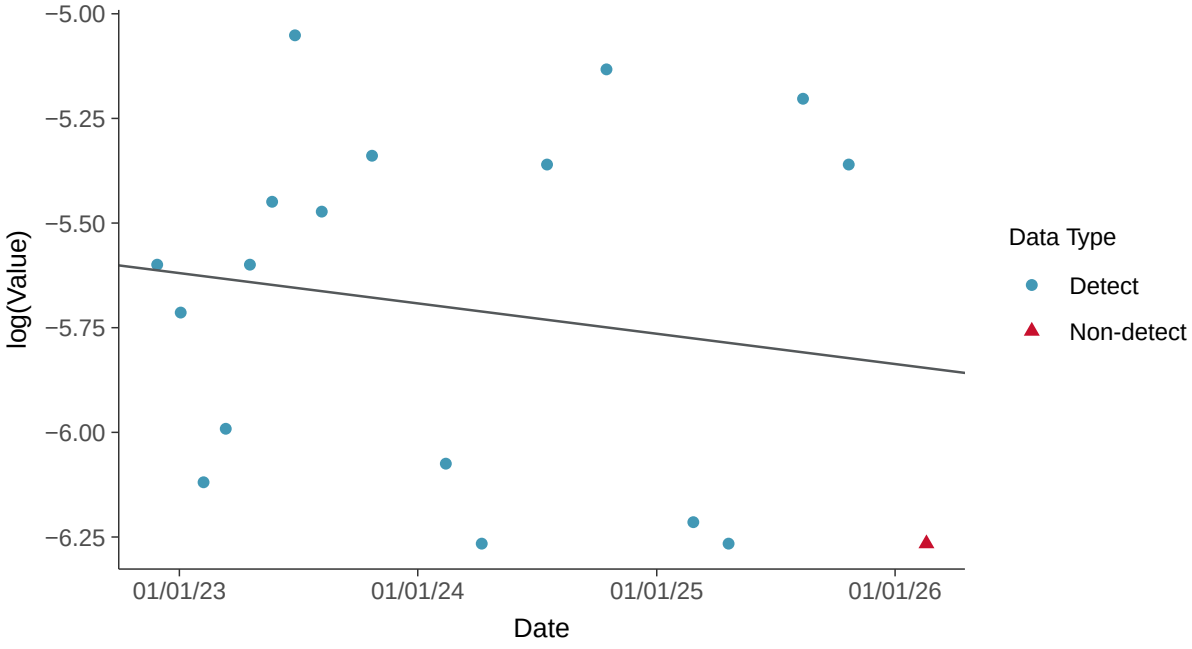
Gamma Q-Q plot using ROS Imputed Estimates

Lithium, MW-12 (mg/L)



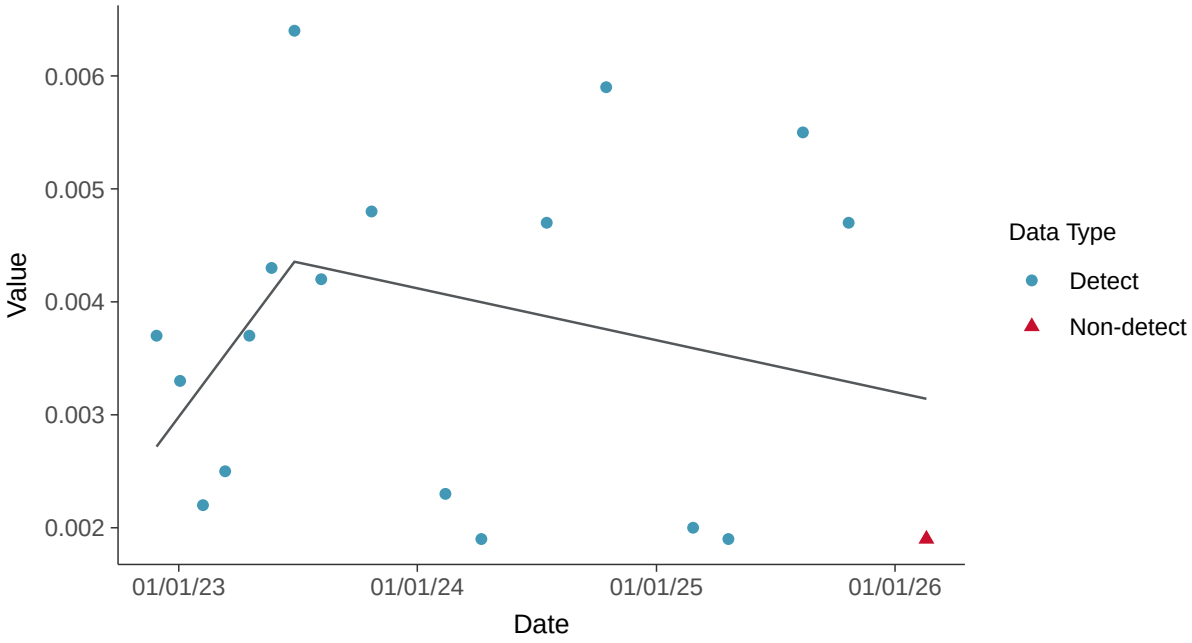
Trend Regression: Lognormal MLE

Lithium, MW-12 (mg/L)



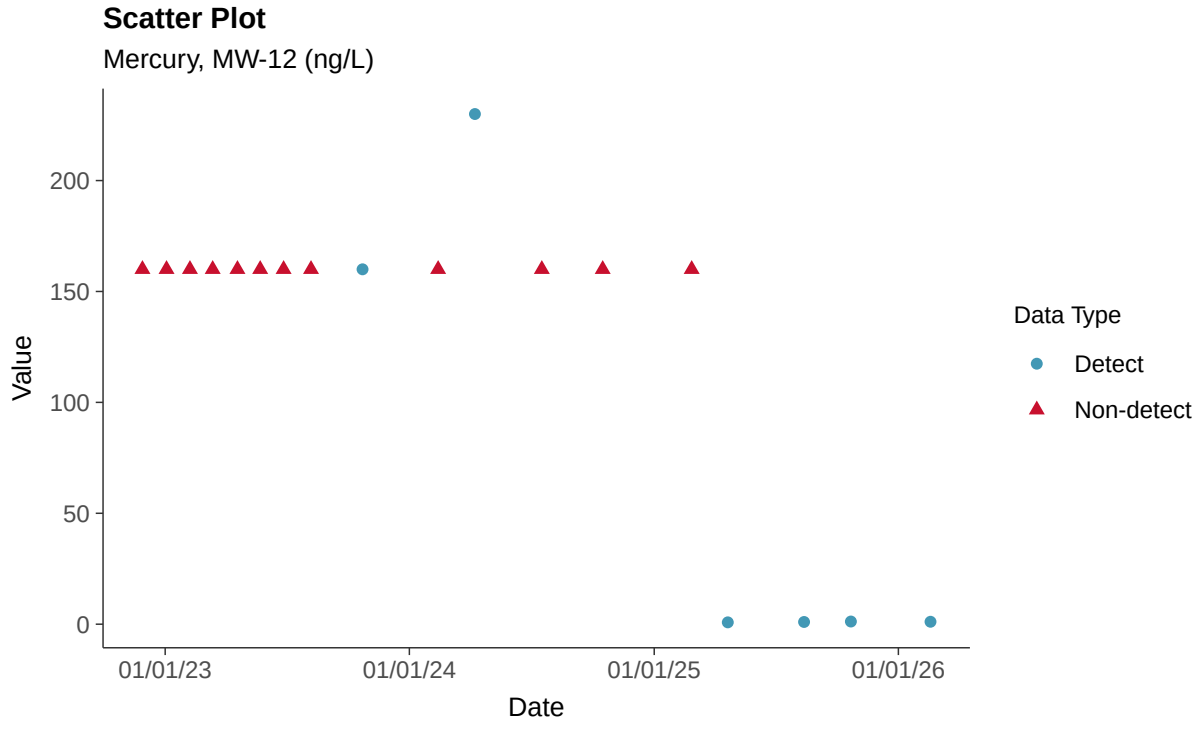
Trend Regression: Piecewise Linear-Linear

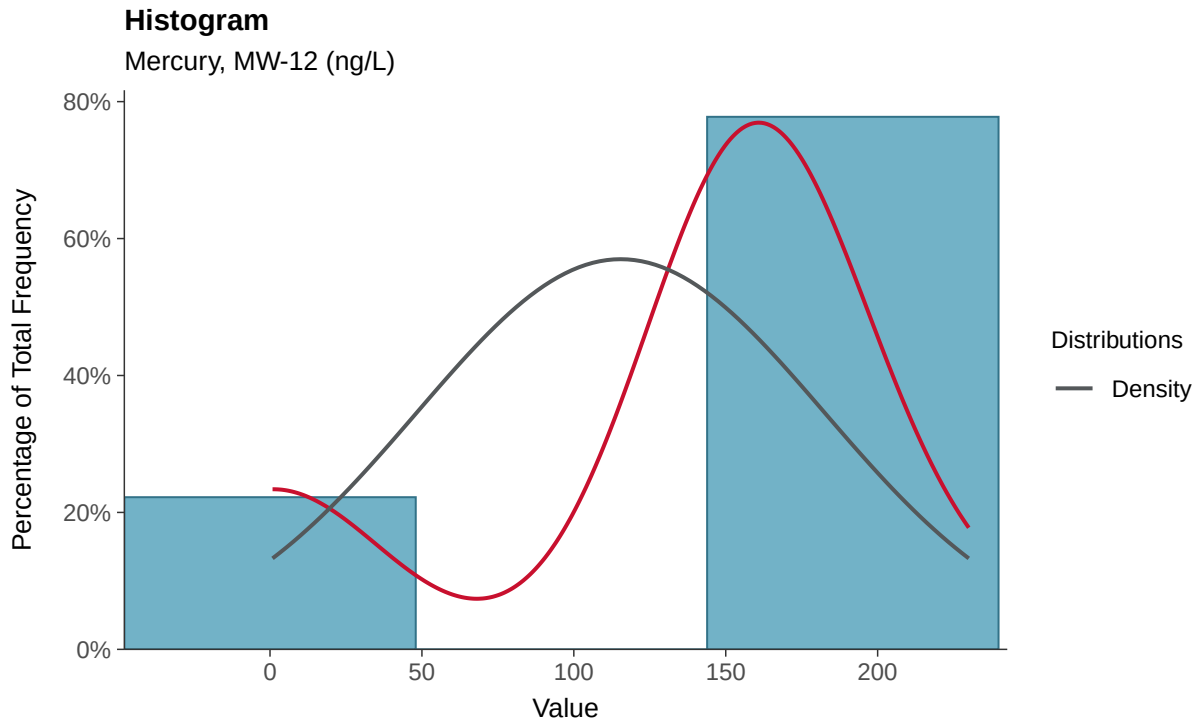
Lithium, MW-12 (mg/L)



Appendix IV: Mercury, MW-12

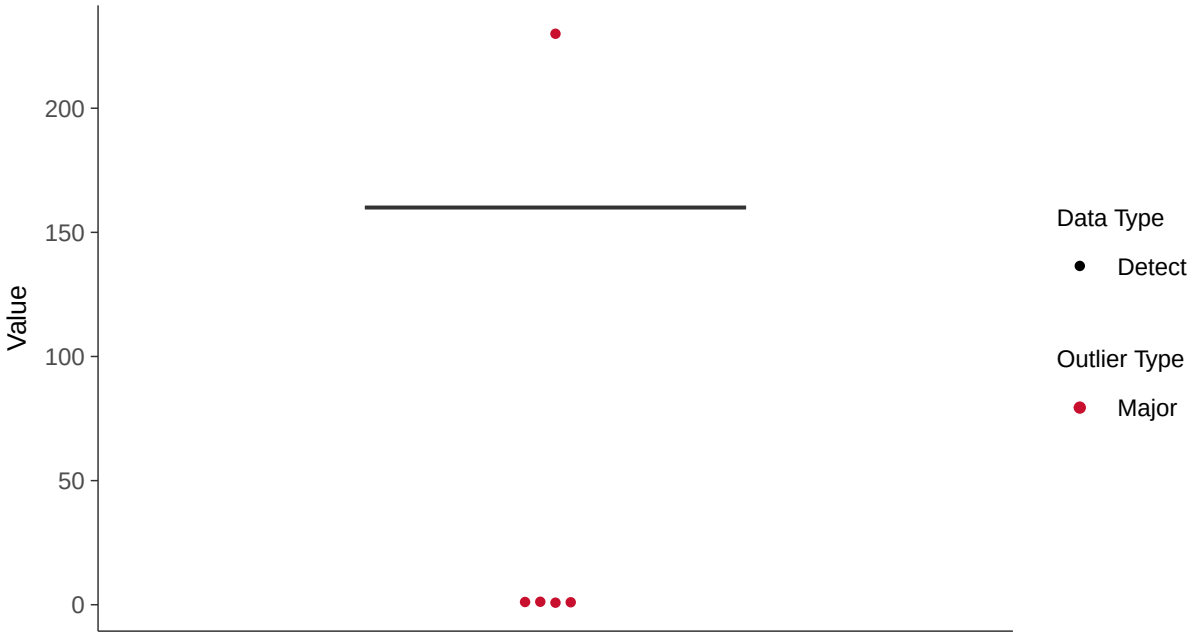
ID: 22_2_4_117





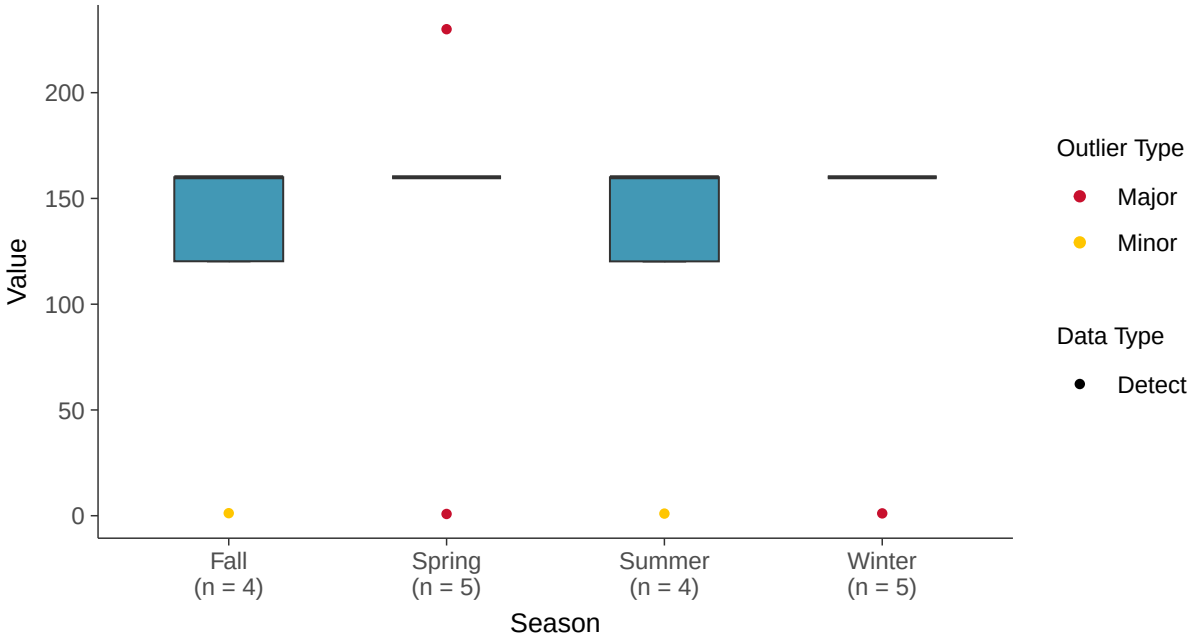
Boxplot

Mercury, MW-12 (ng/L)



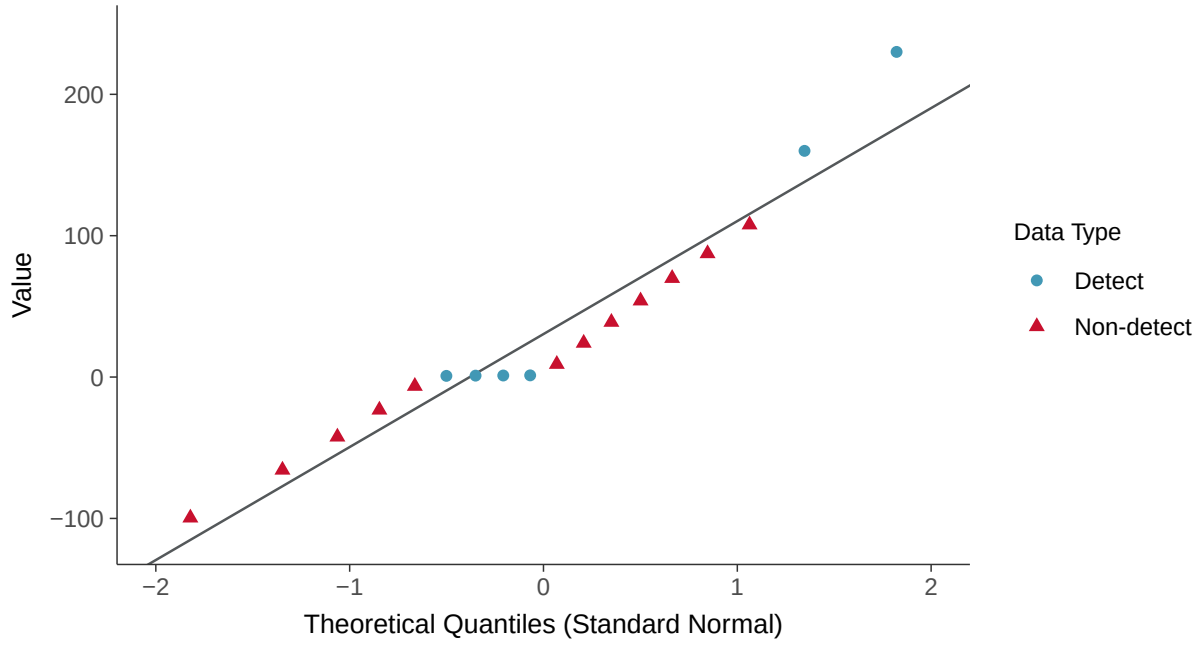
Boxplot by Season

Mercury, MW-12 (ng/L)



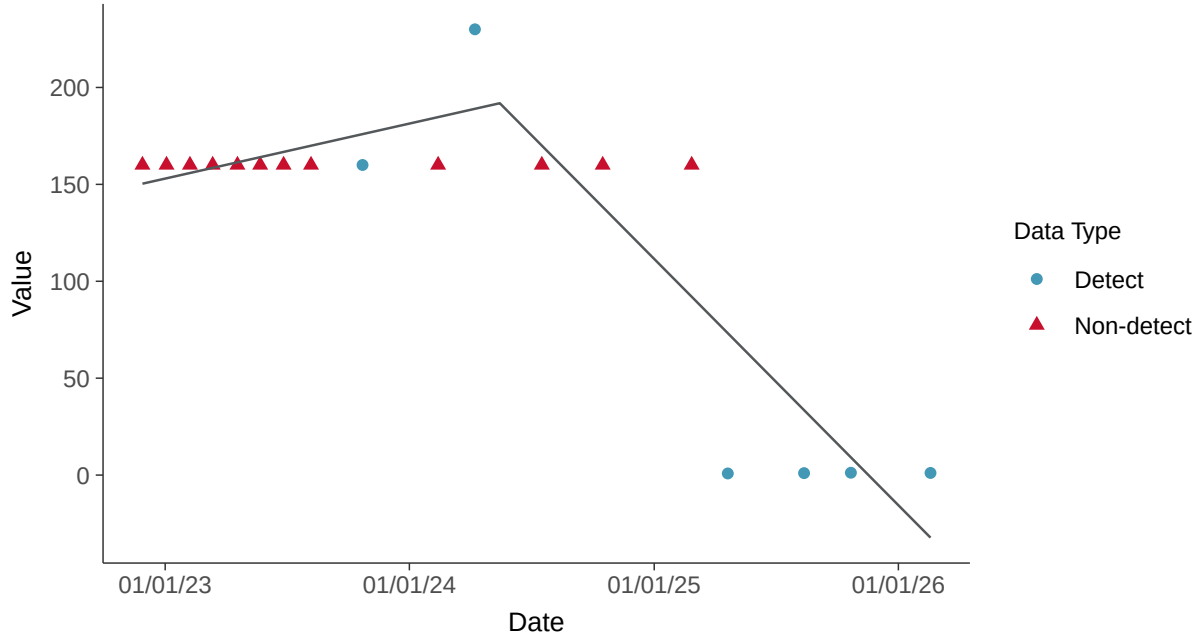
Normal Q-Q plot using ROS Imputed Estimates

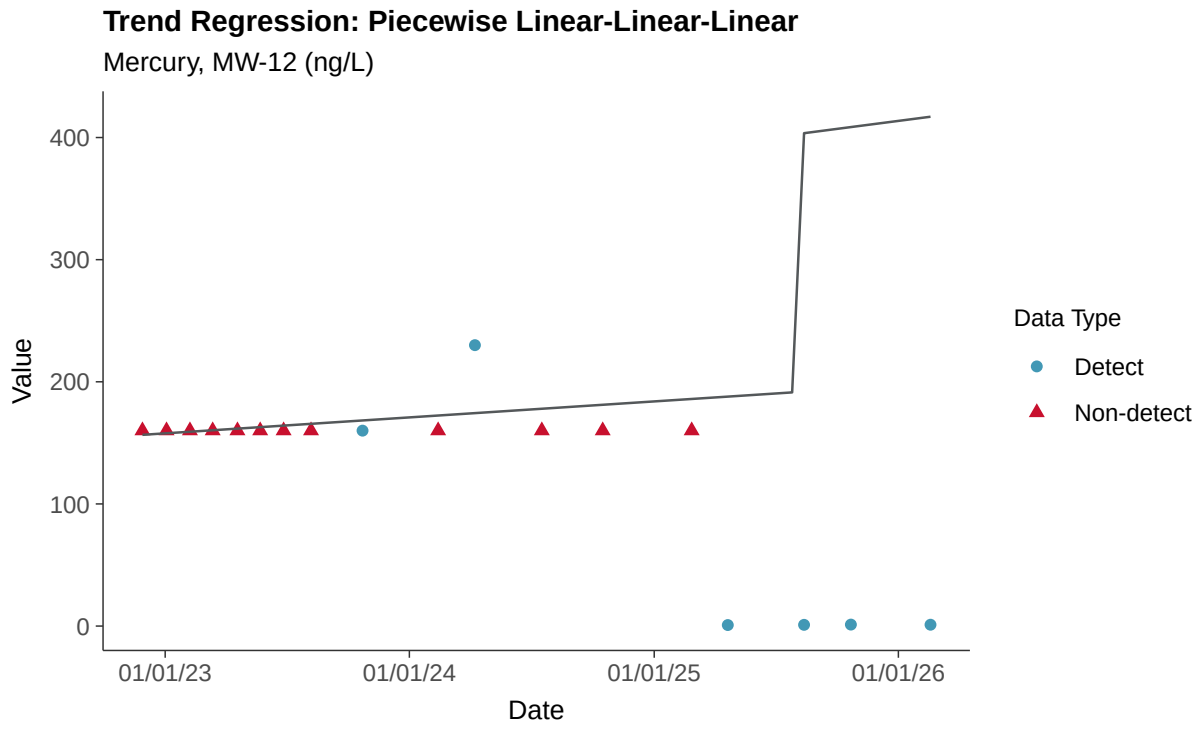
Mercury, MW-12 (ng/L)



Trend Regression: Piecewise Linear-Linear

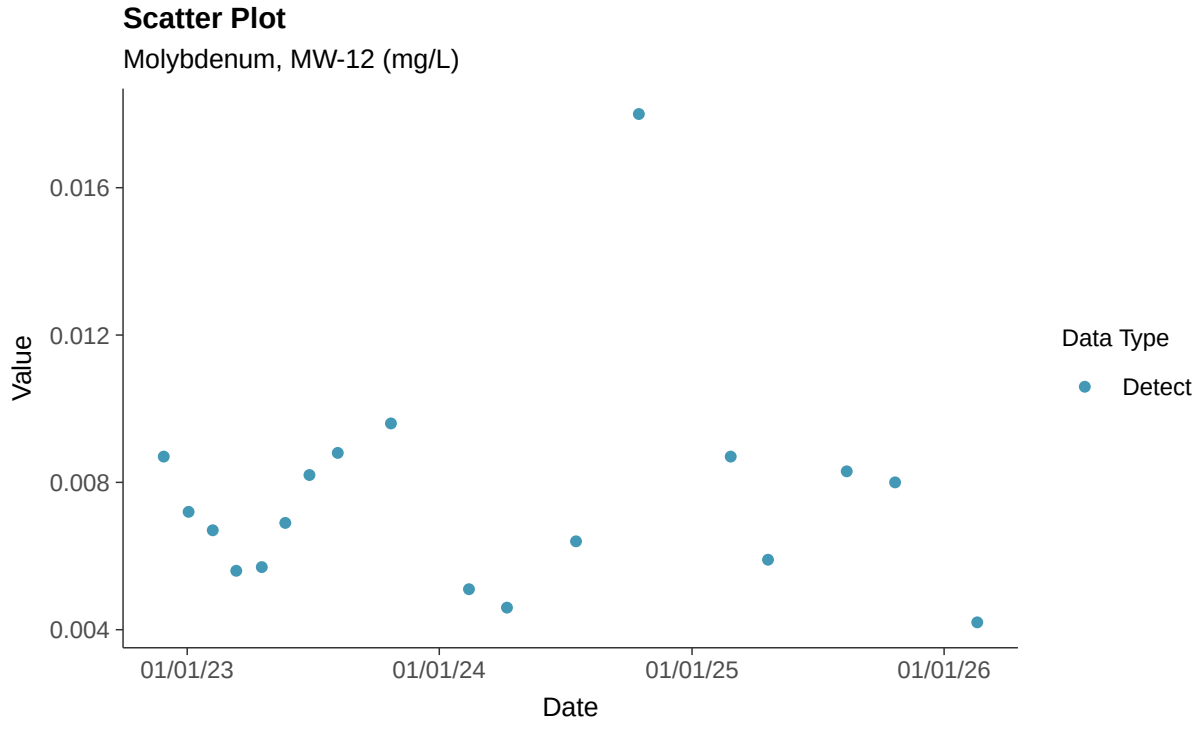
Mercury, MW-12 (ng/L)

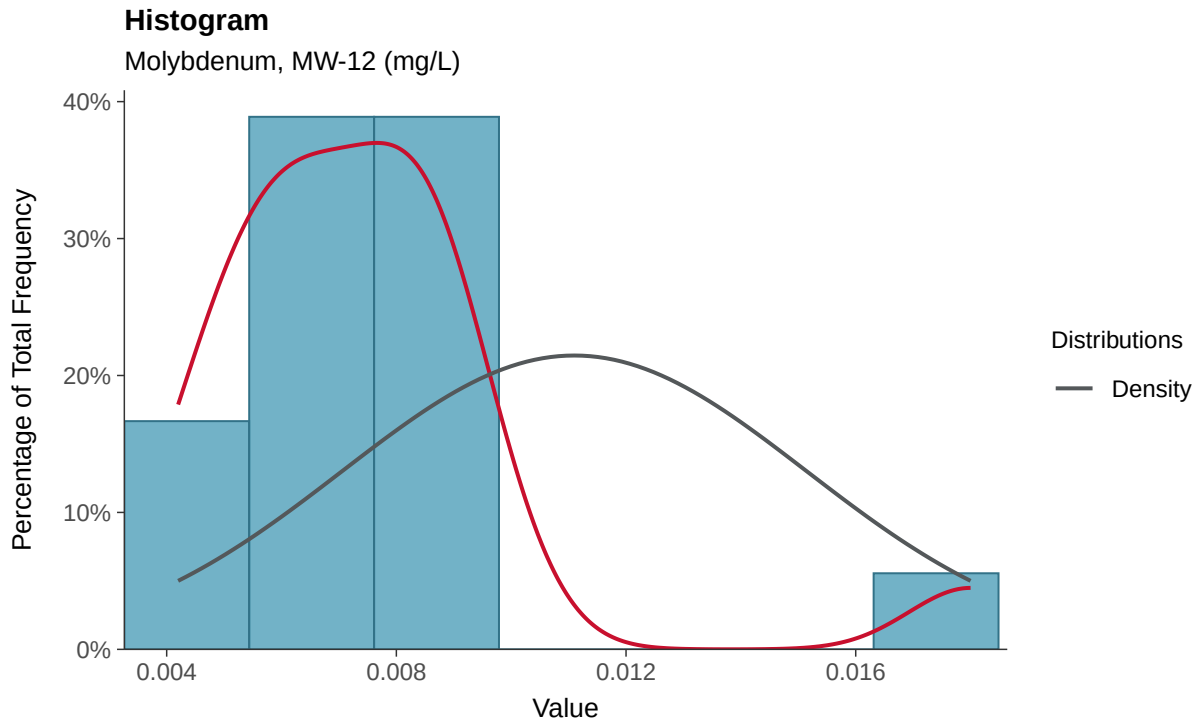



Trend Regression: Piecewise Linear-Linear-Linear
Mercury, MW-12 (ng/L)
Value
400
300
200
100
0
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Molybdenum, MW-12

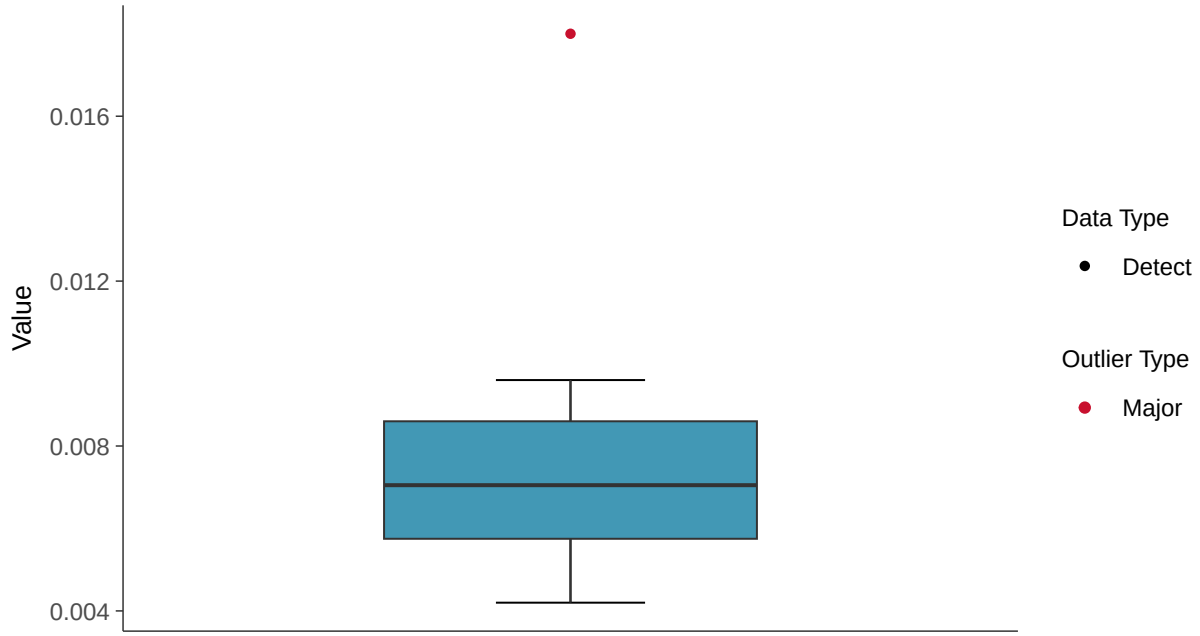
ID: 22_2_4_118





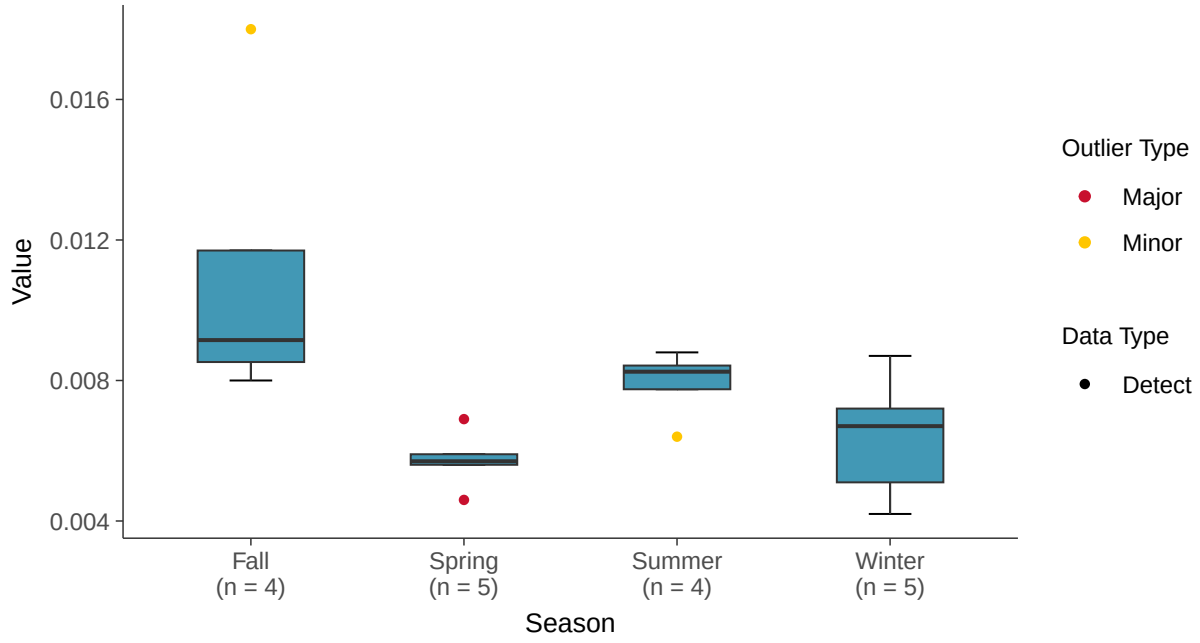
Boxplot

Molybdenum, MW-12 (mg/L)



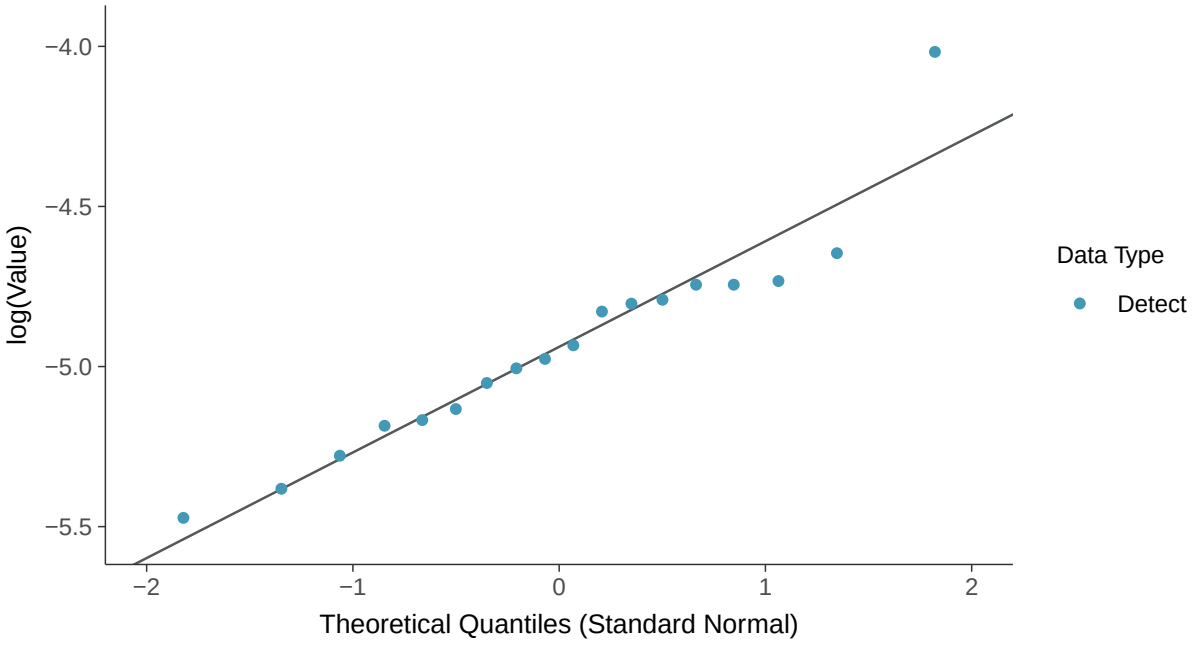
Boxplot by Season

Molybdenum, MW-12 (mg/L)



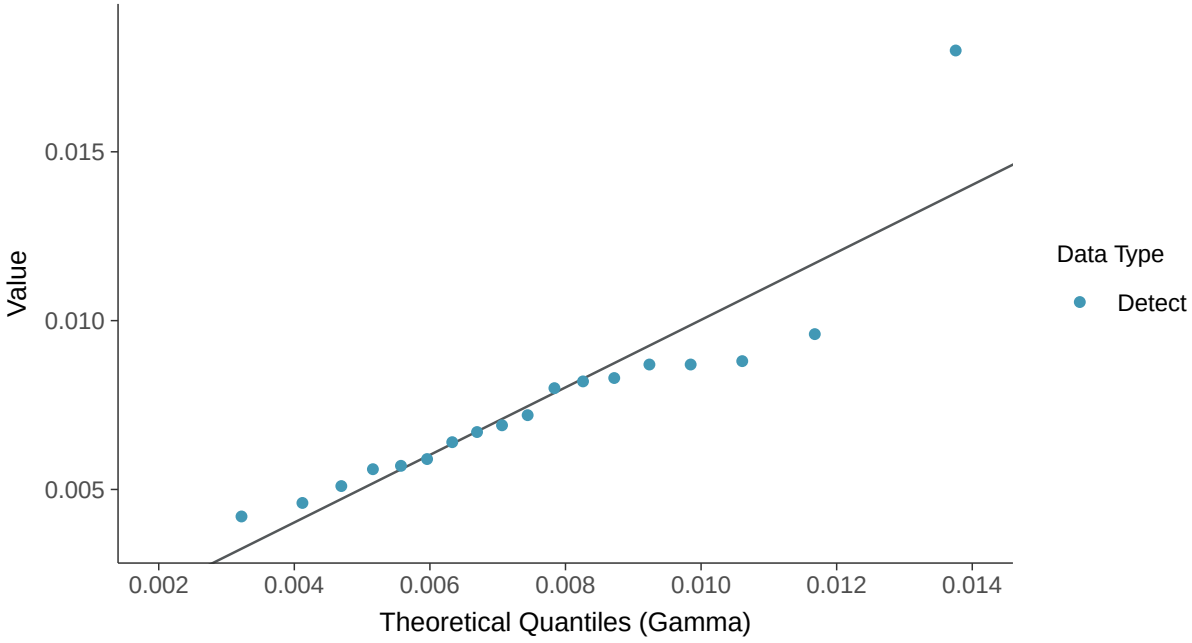
Lognormal Q-Q plot

Molybdenum, MW-12 (mg/L)



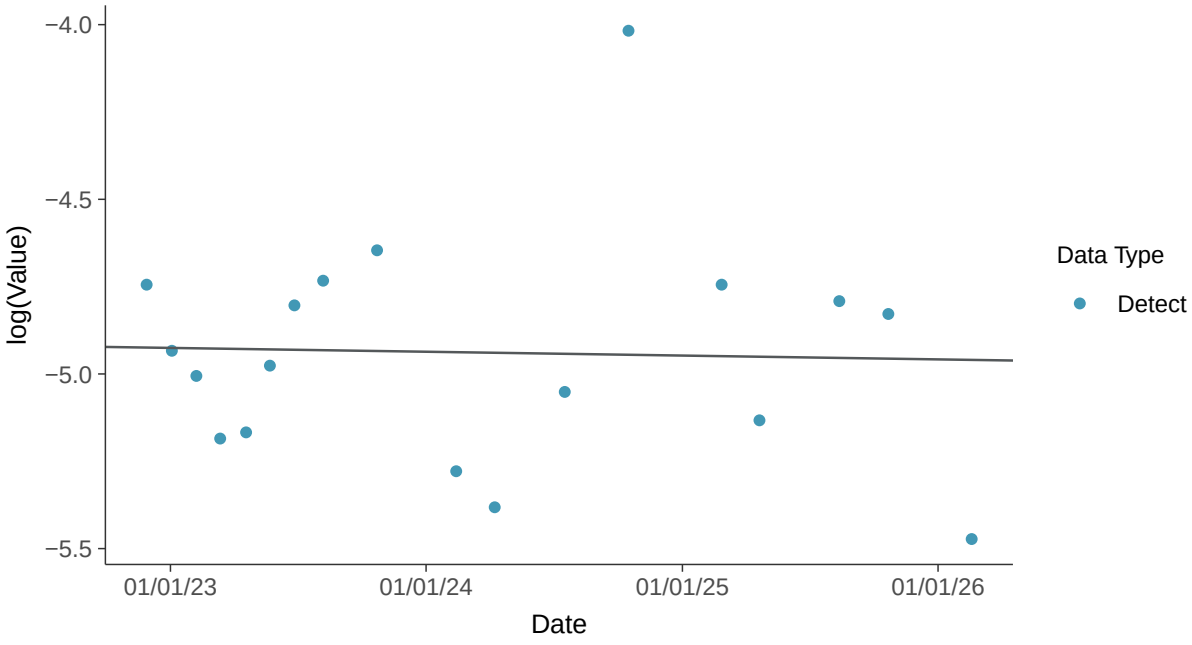
Gamma Q-Q plot

Molybdenum, MW-12 (mg/L)



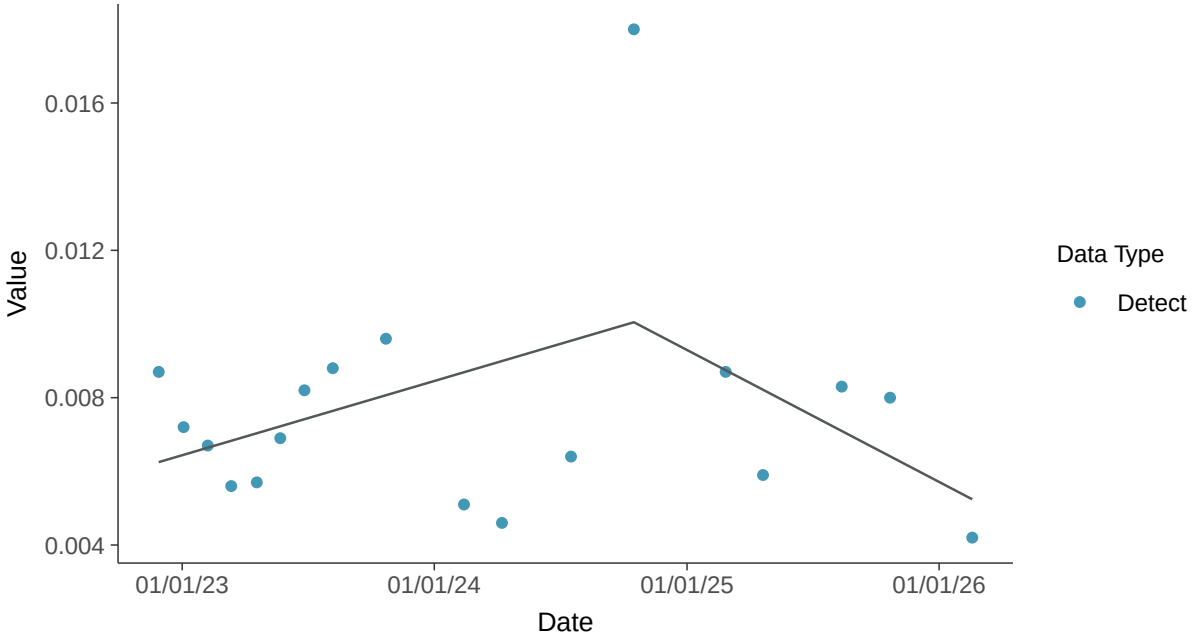
Trend Regression: Lognormal MLE

Molybdenum, MW-12 (mg/L)



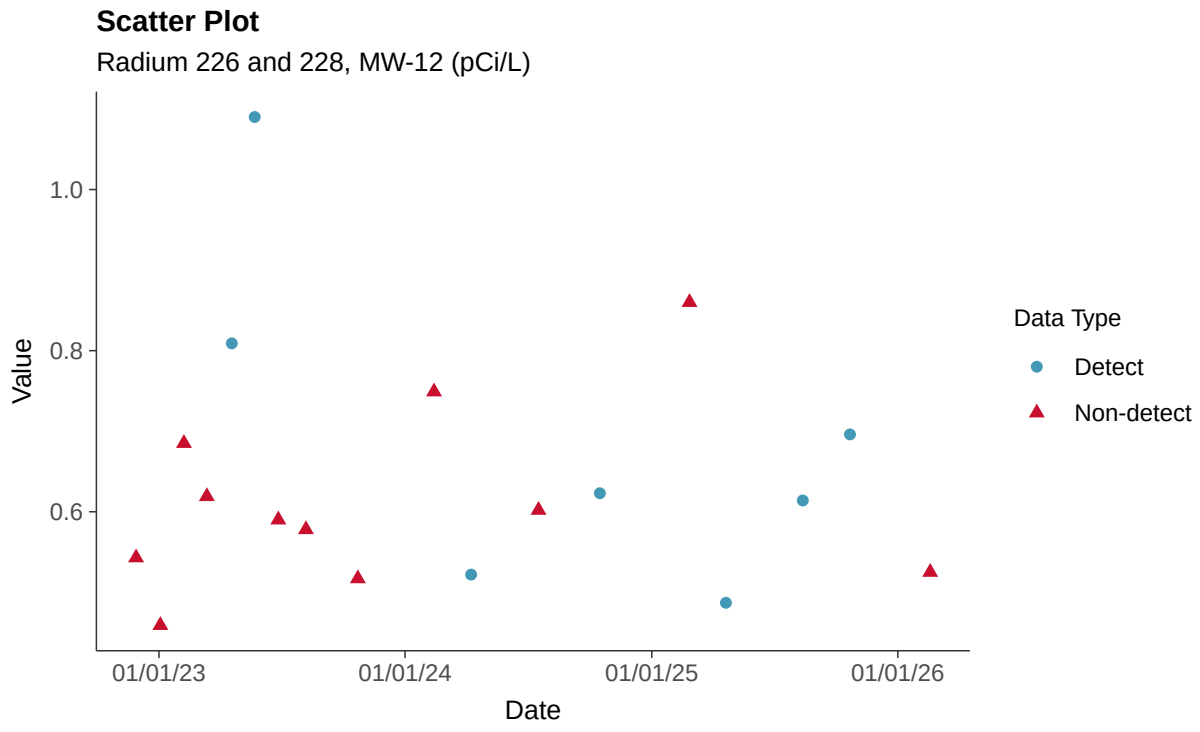
Trend Regression: Piecewise Linear-Linear

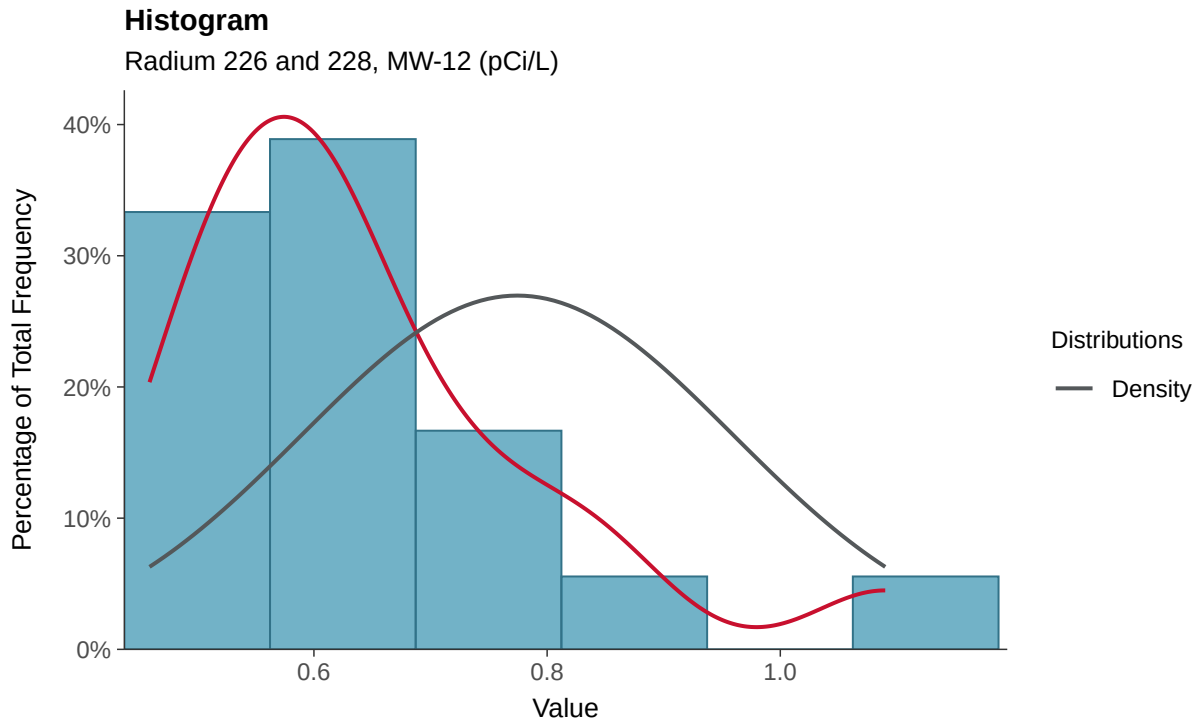
Molybdenum, MW-12 (mg/L)



Appendix IV: Radium 226 and 228, MW-12

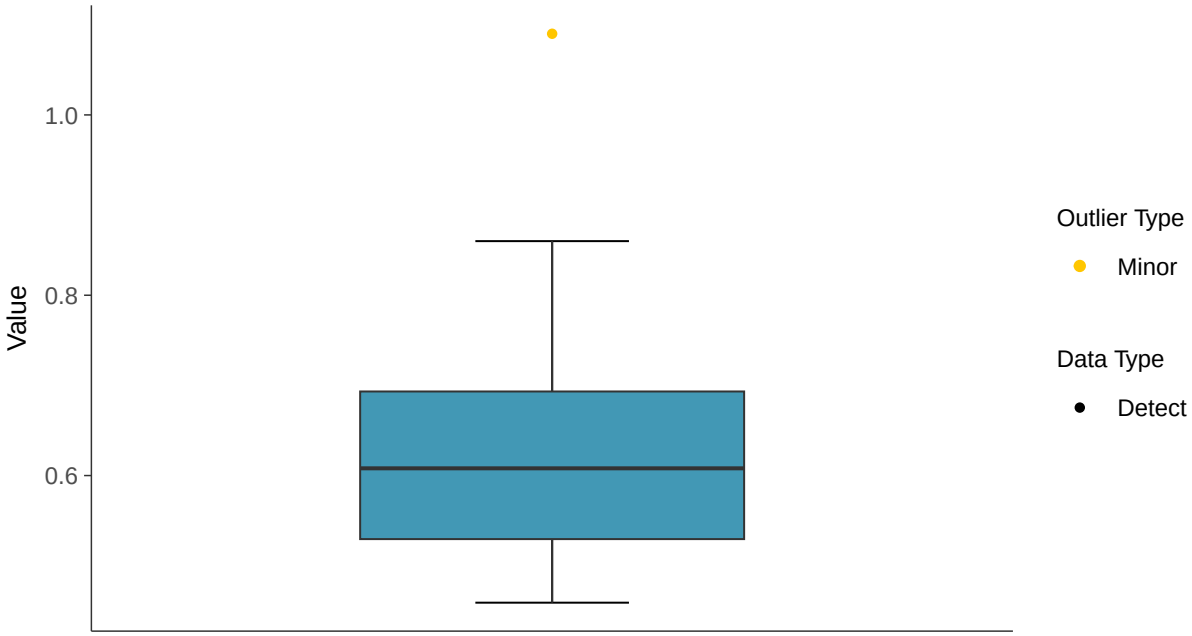
ID: 22_2_4_121





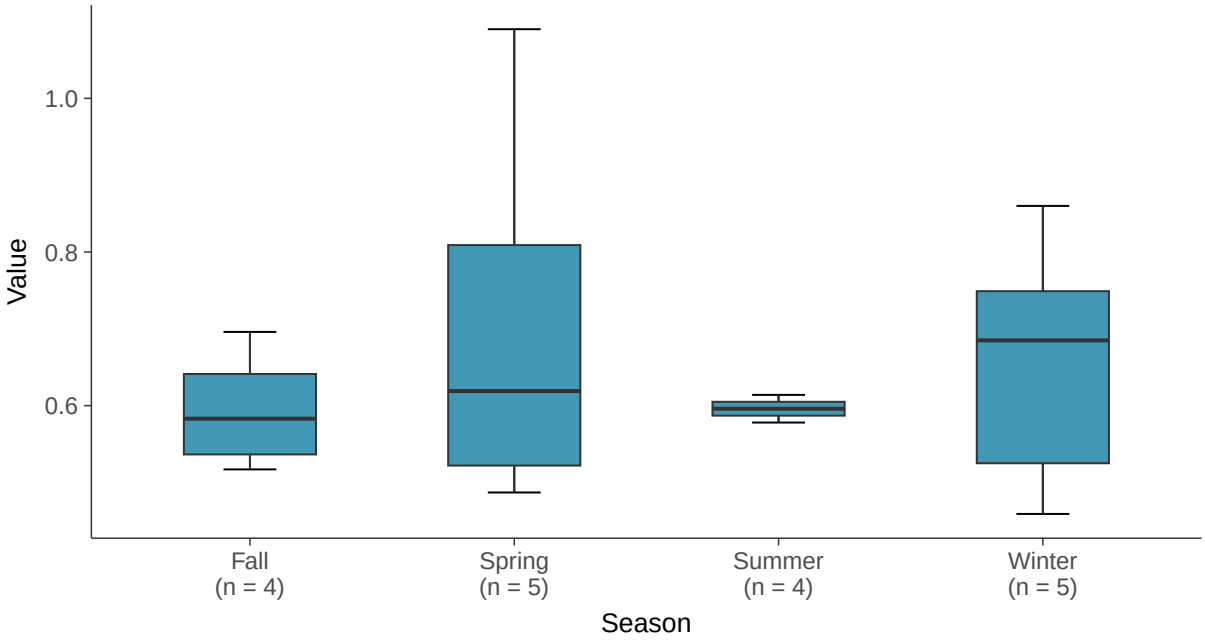
Boxplot

Radium 226 and 228, MW-12 (pCi/L)



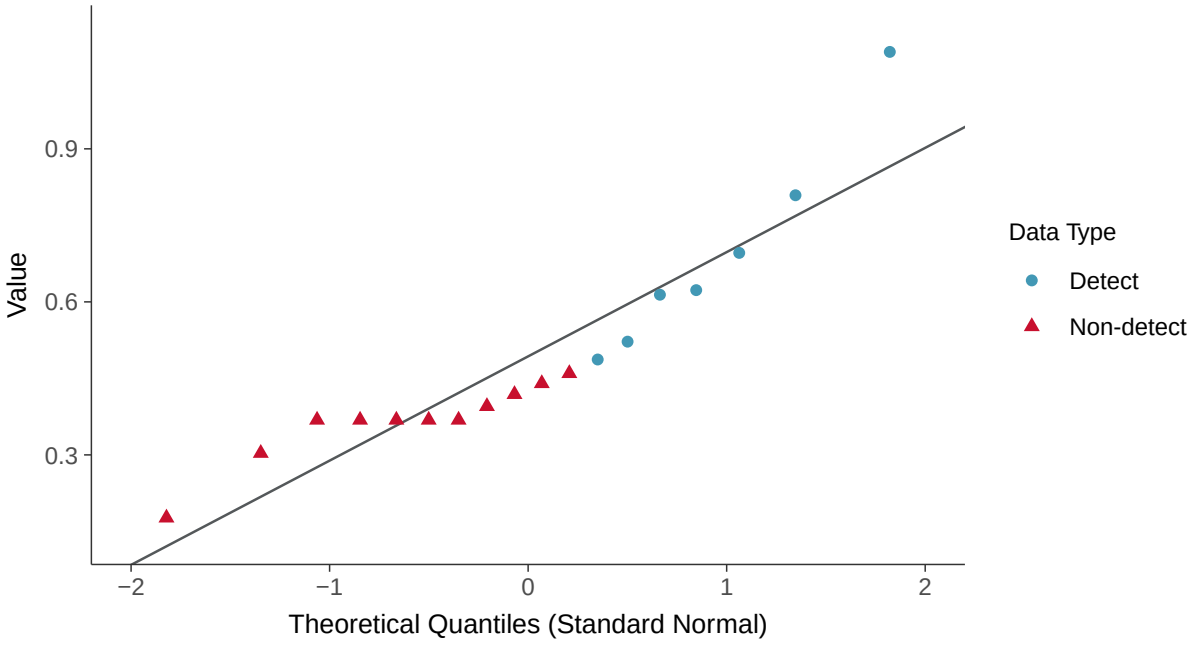
Boxplot by Season

Radium 226 and 228, MW-12 (pCi/L)



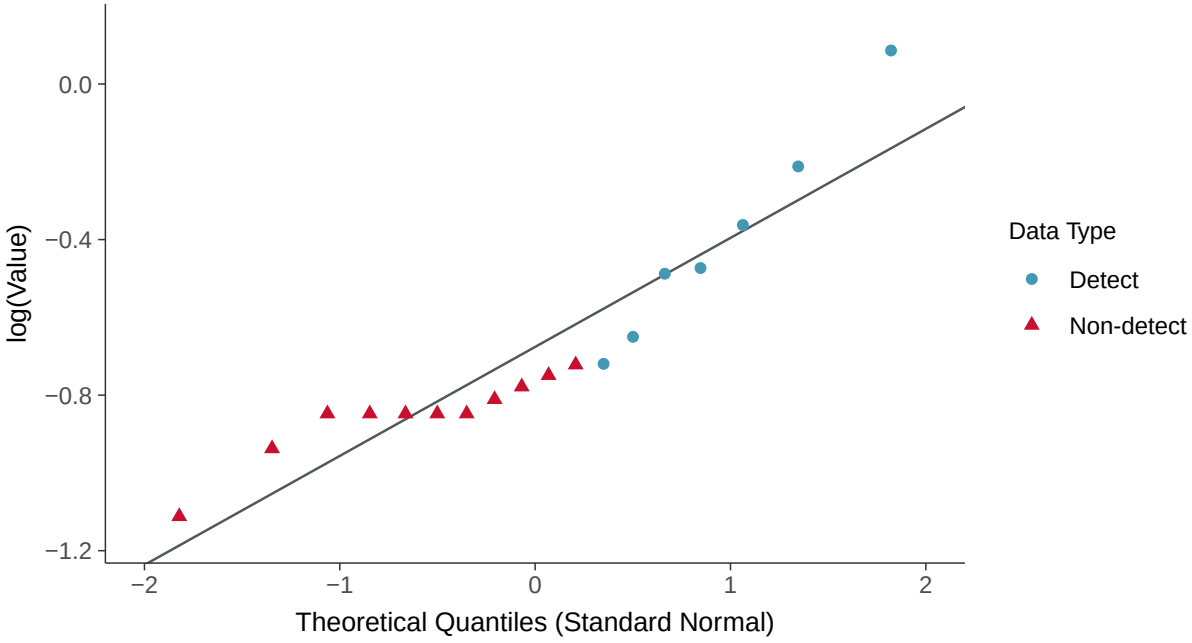
Normal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-12 (pCi/L)



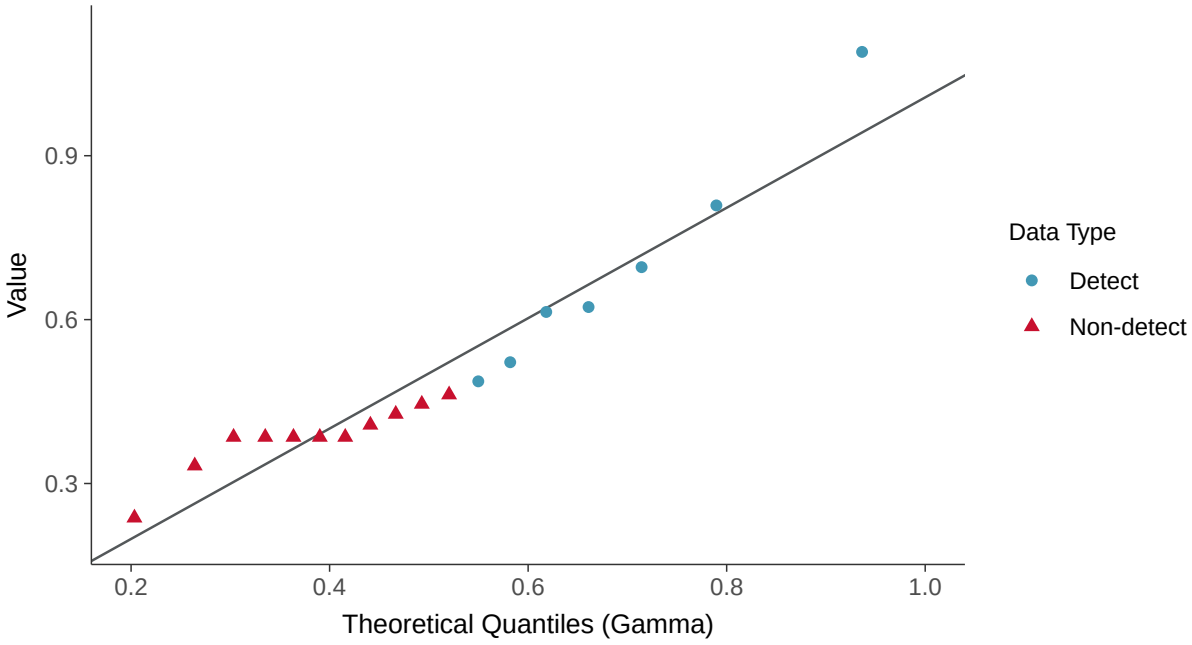
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-12 (pCi/L)



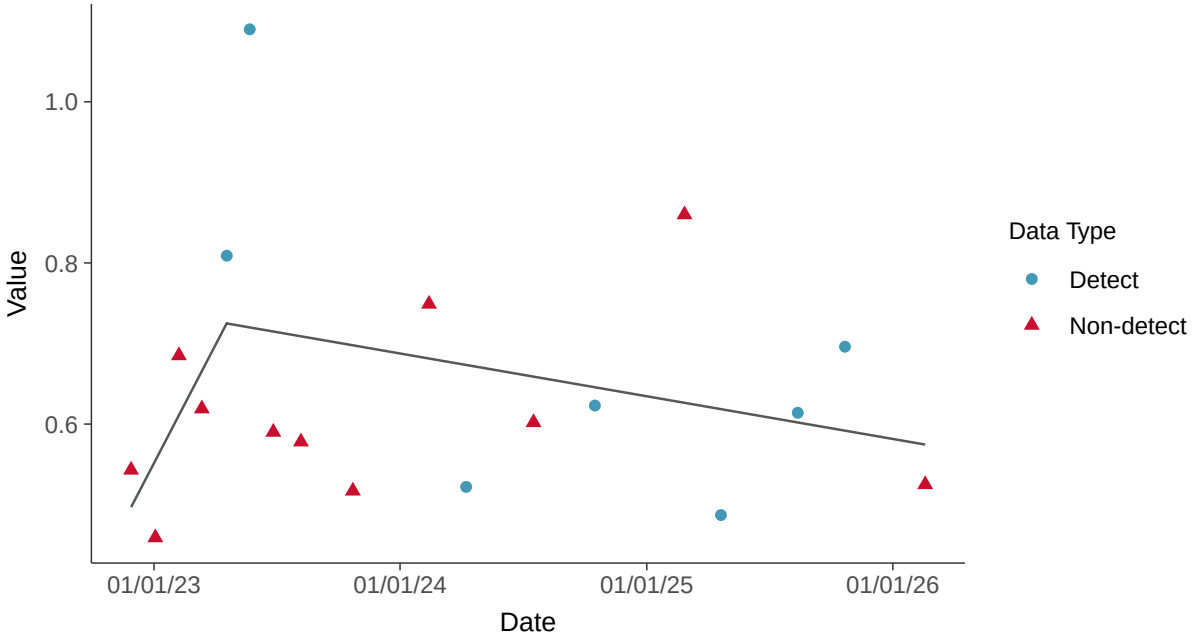
Gamma Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-12 (pCi/L)



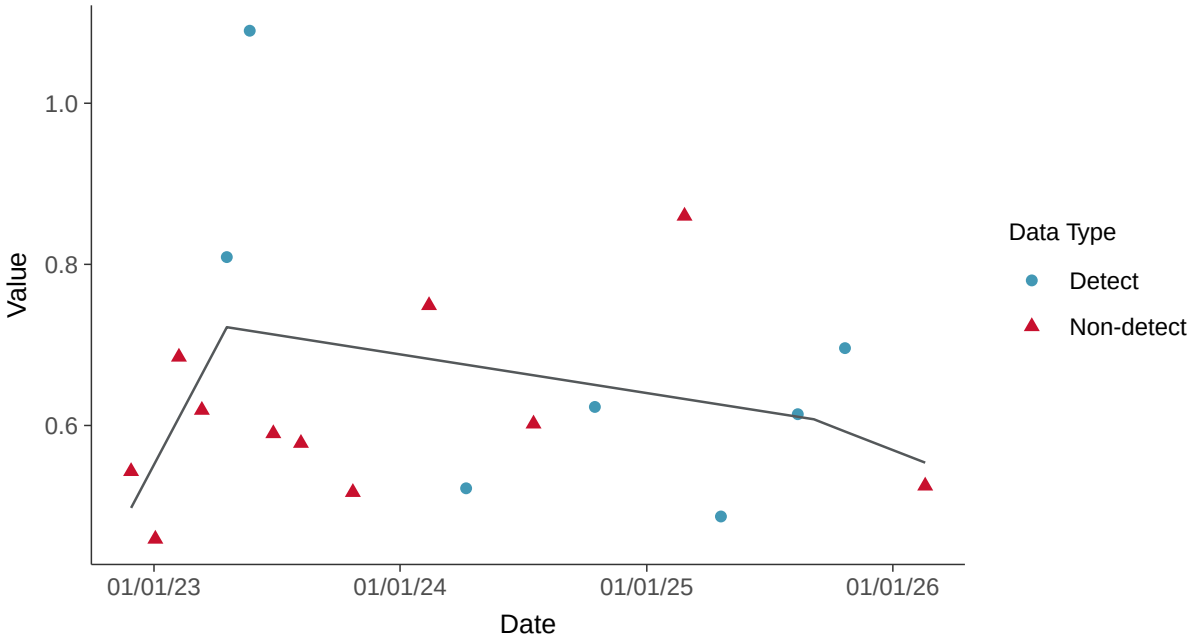
Trend Regression: Piecewise Linear-Linear

Radium 226 and 228, MW-12 (pCi/L)



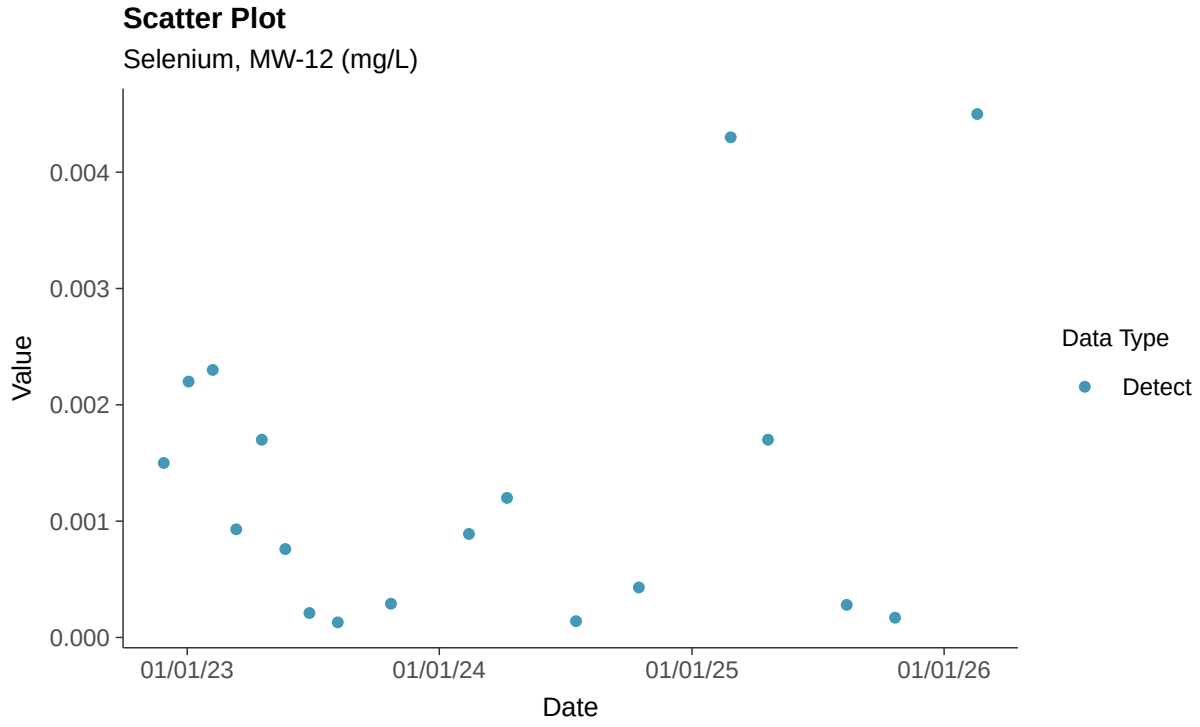
Trend Regression: Piecewise Linear-Linear-Linear

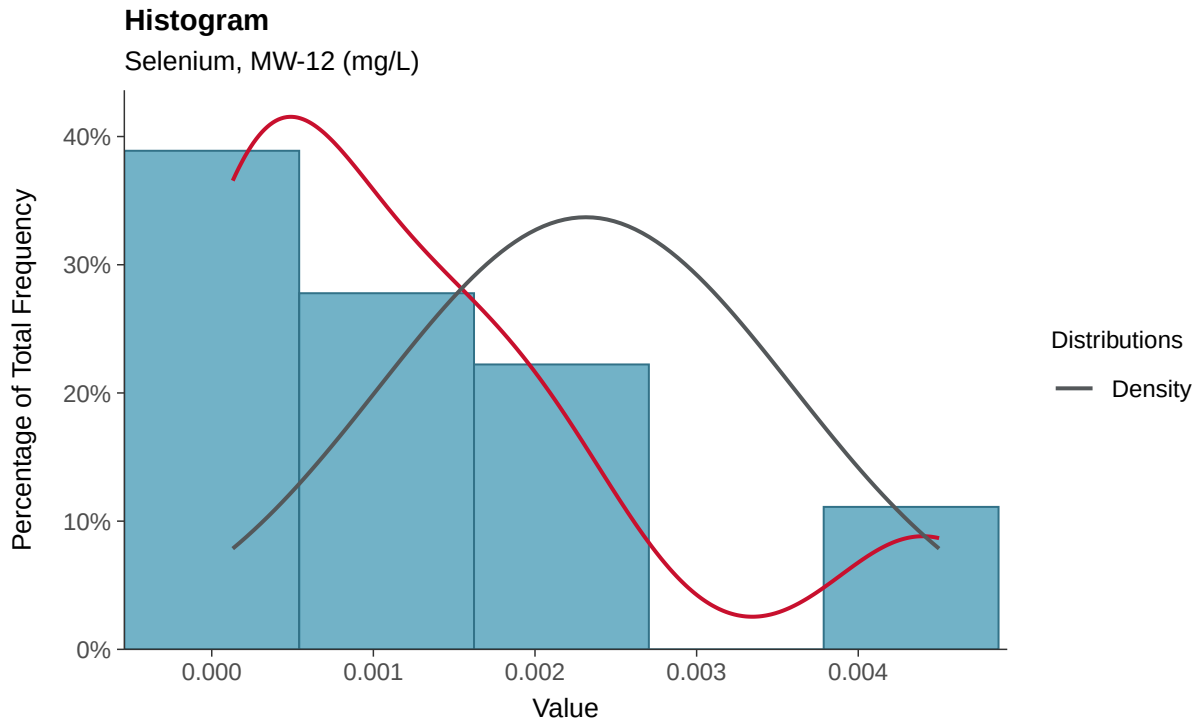
Radium 226 and 228, MW-12 (pCi/L)



Appendix IV: Selenium, MW-12

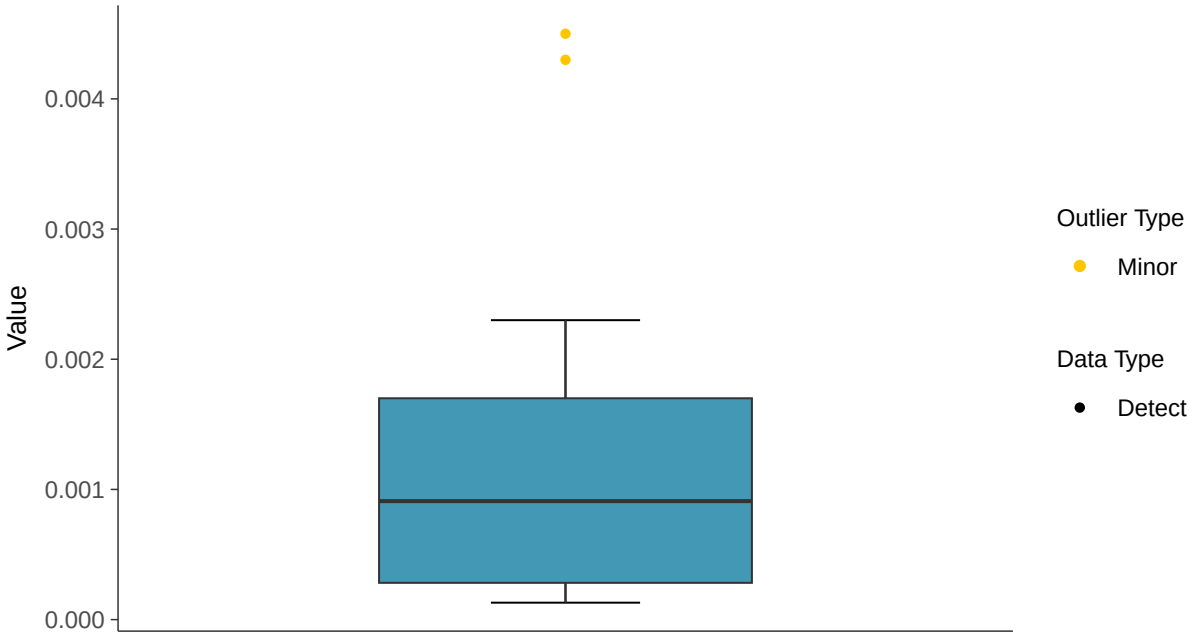
ID: 22_2_4_122





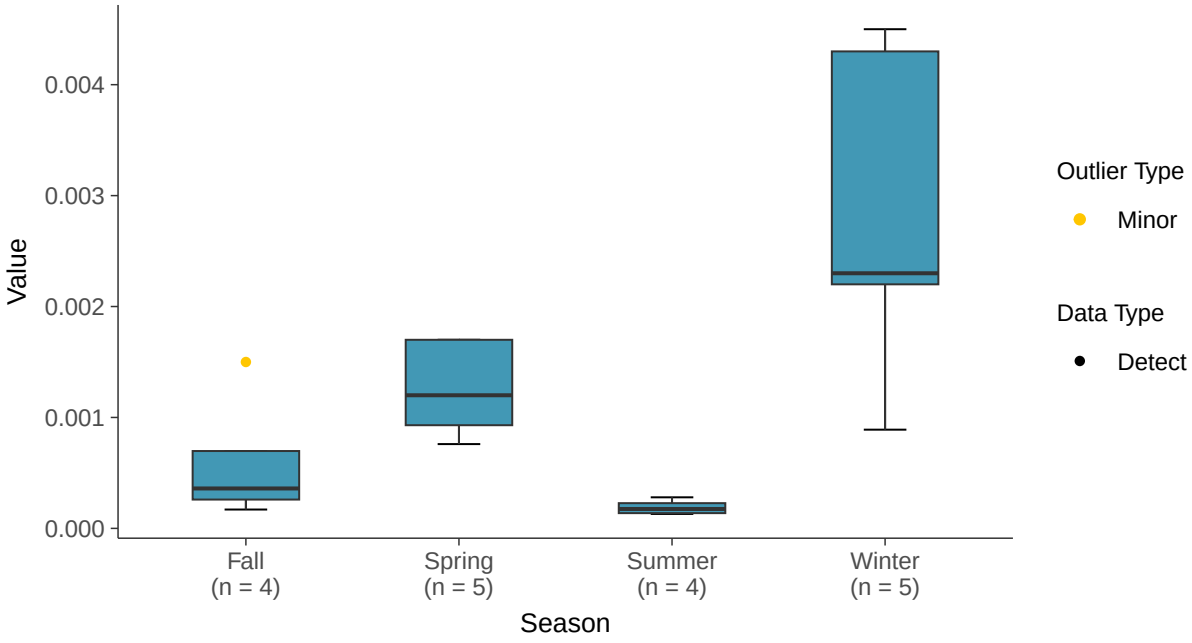
Boxplot

Selenium, MW-12 (mg/L)



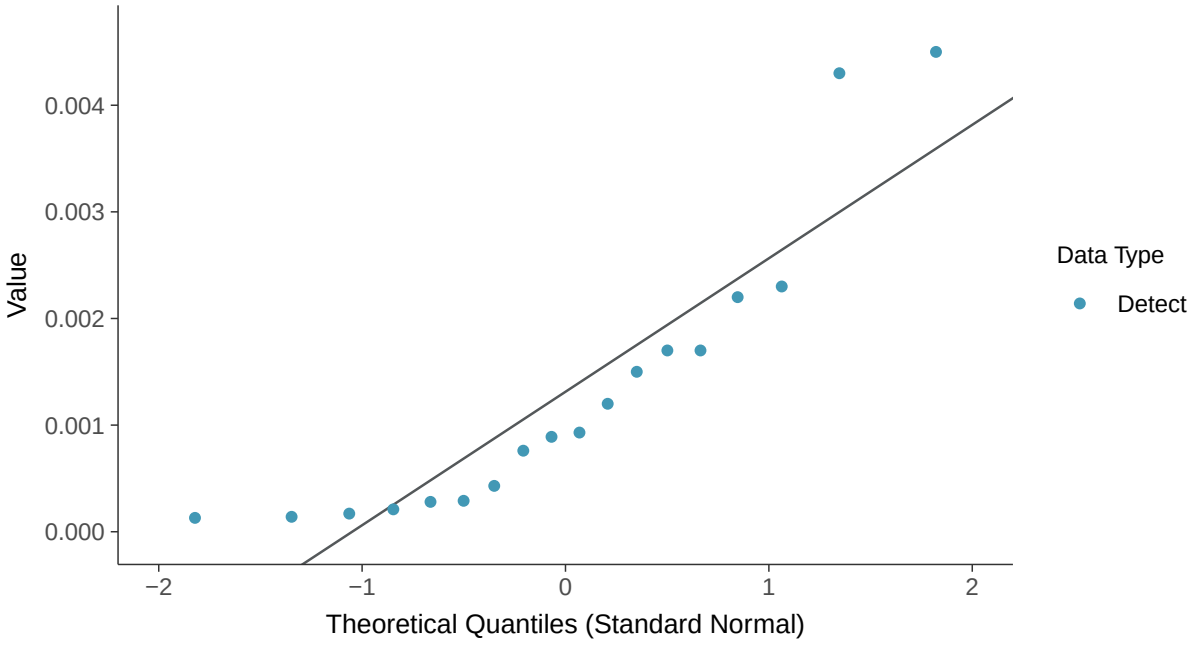
Boxplot by Season

Selenium, MW-12 (mg/L)



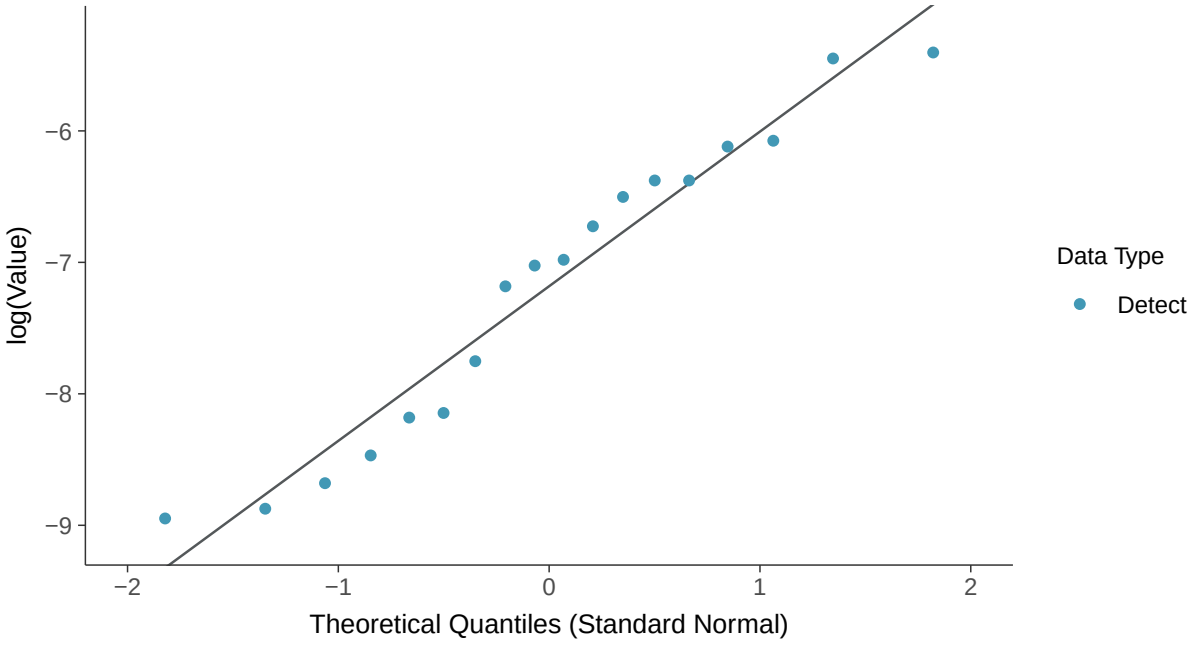
Normal Q-Q plot

Selenium, MW-12 (mg/L)



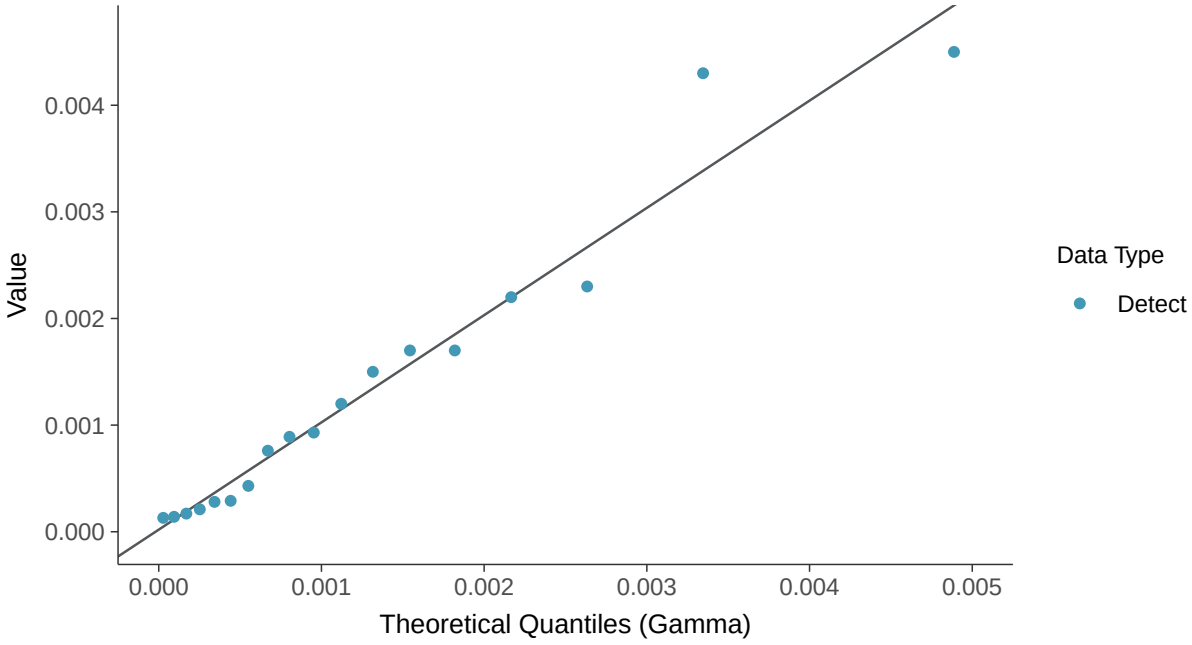
Lognormal Q-Q plot

Selenium, MW-12 (mg/L)



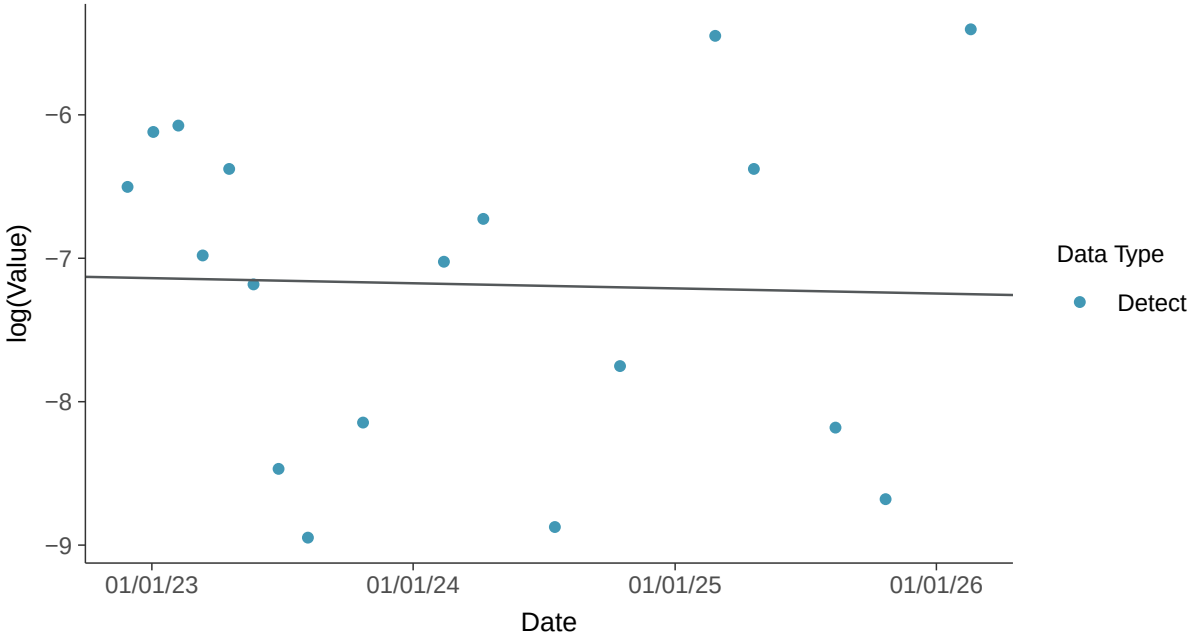
Gamma Q-Q plot

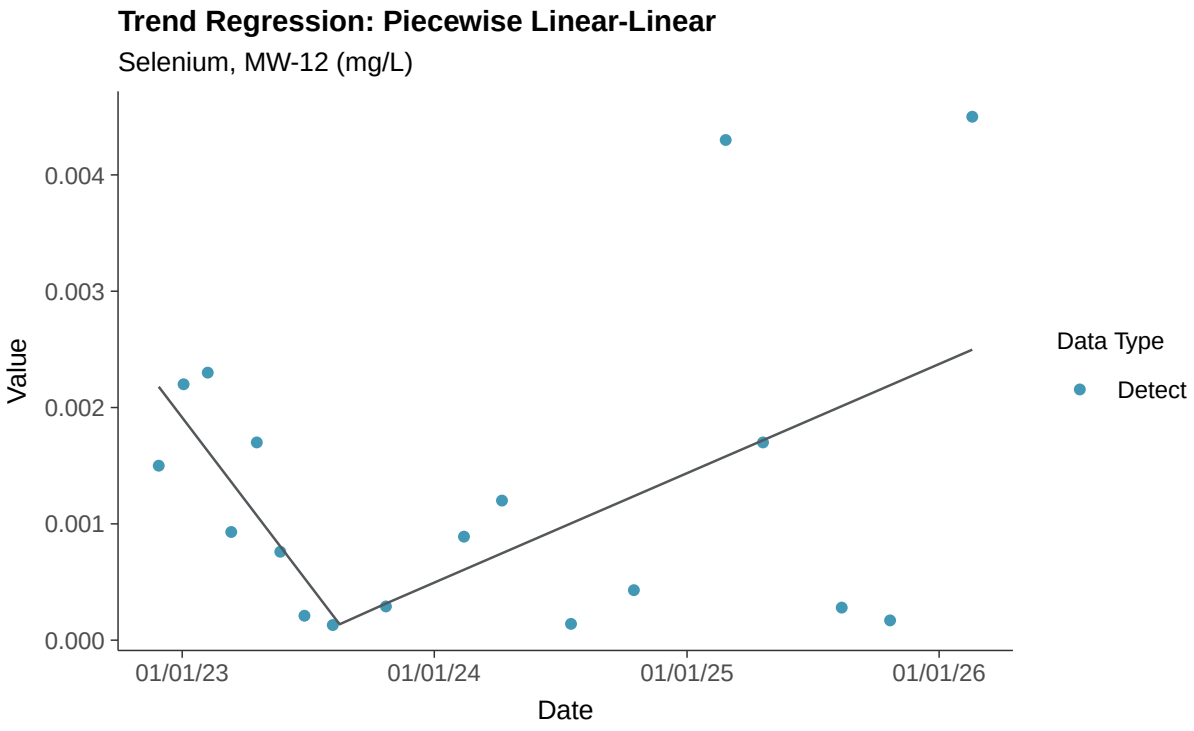
Selenium, MW-12 (mg/L)



Trend Regression: Lognormal MLE

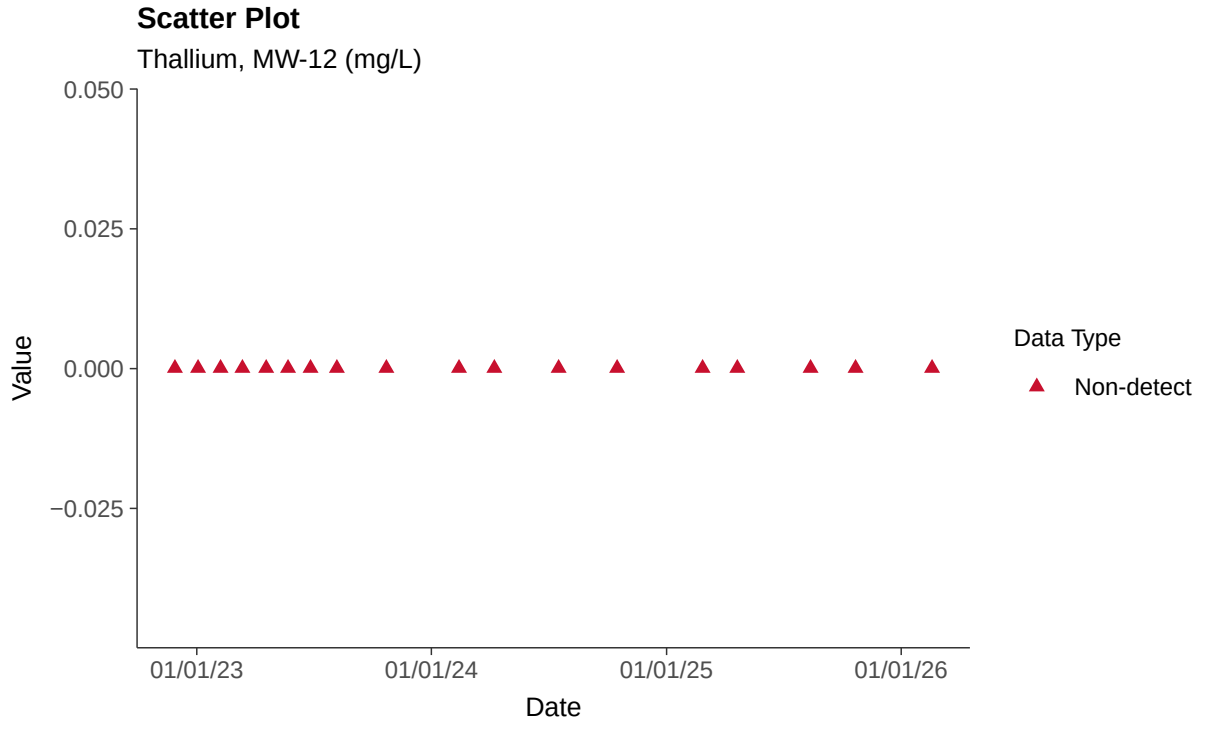
Selenium, MW-12 (mg/L)

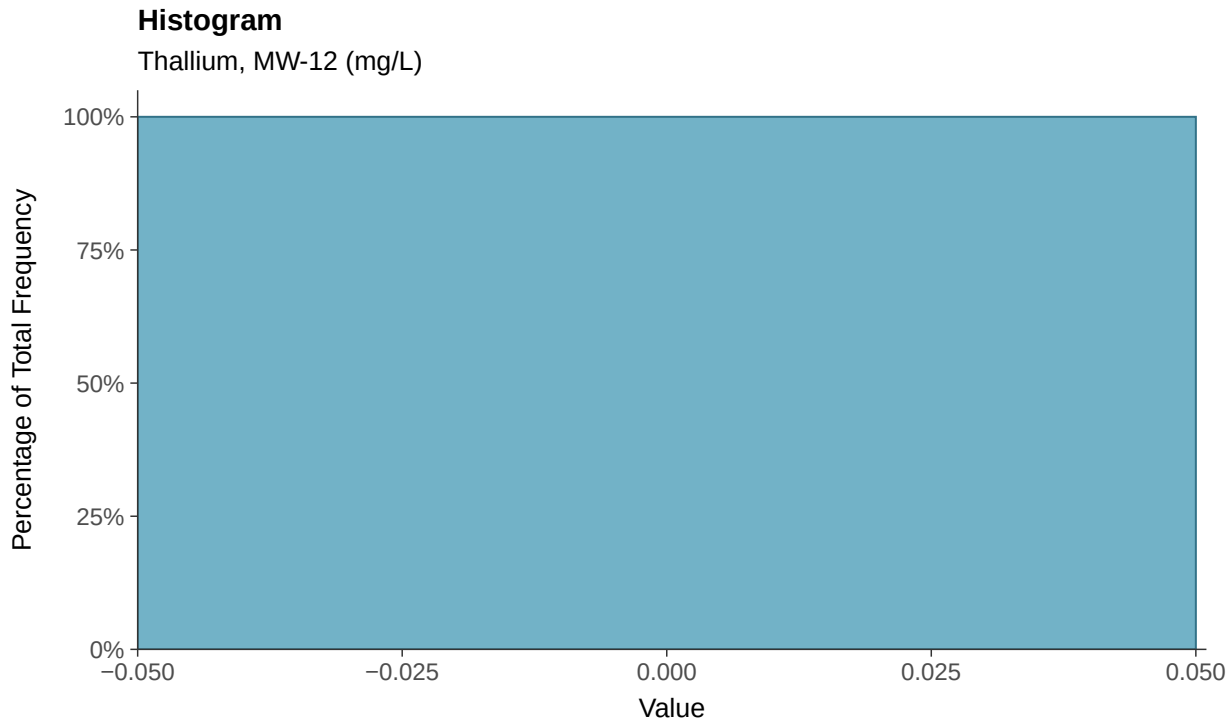



Trend Regression: Piecewise Linear-Linear
Selenium, MW-12 (mg/L)
Value
0.004
0.003
0.002
0.001
0.000
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Thallium, MW-12

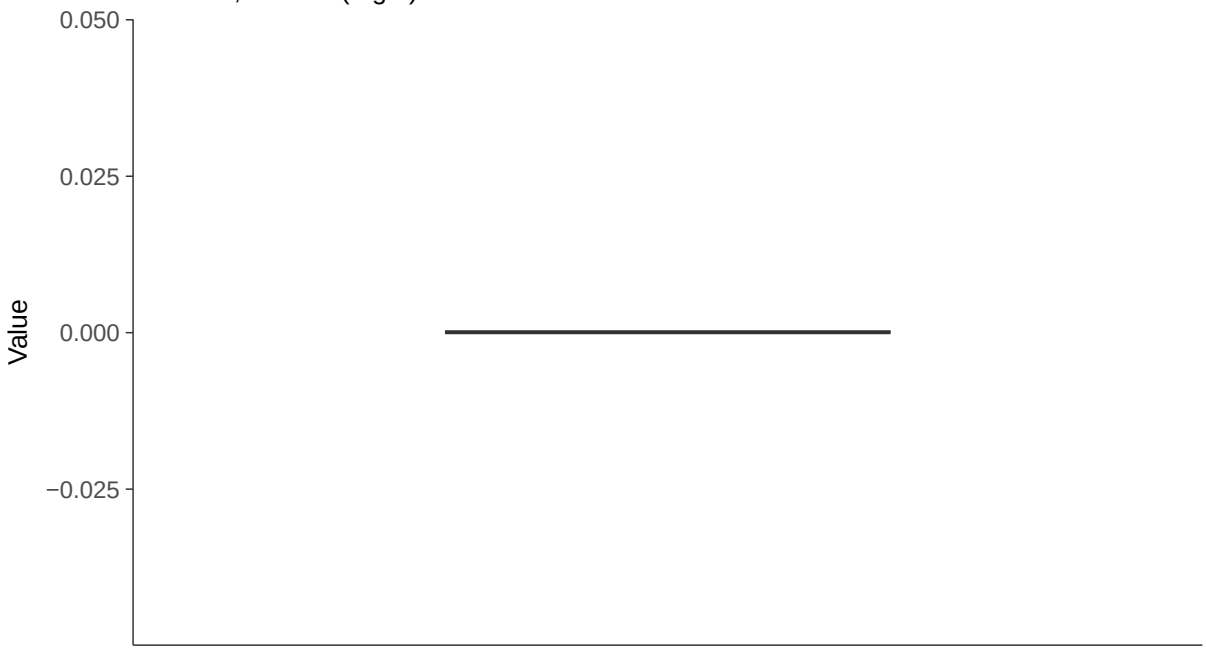
ID: 22_2_4_125





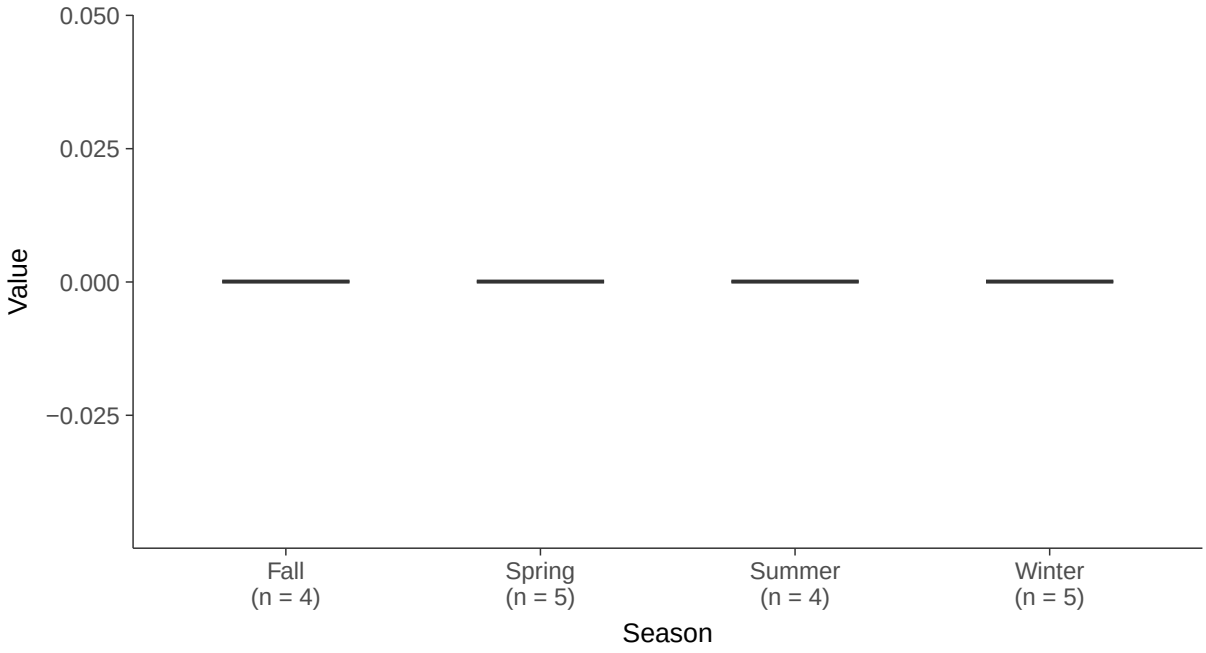
Boxplot

Thallium, MW-12 (mg/L)



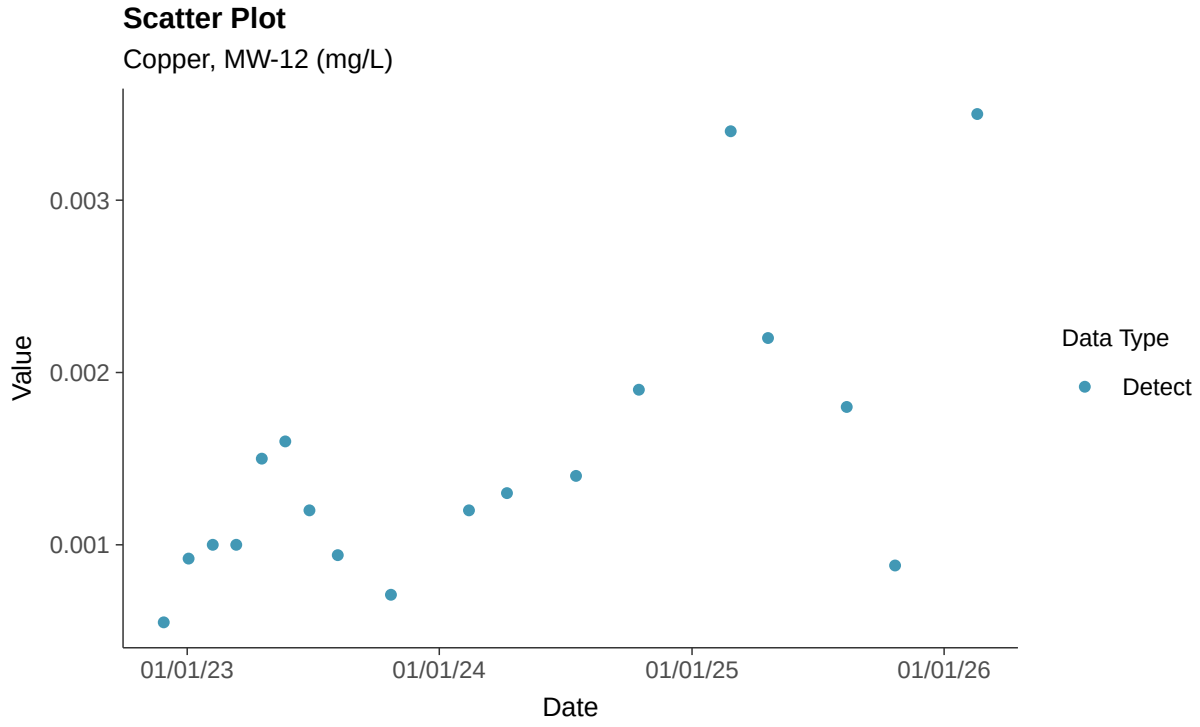
Boxplot by Season

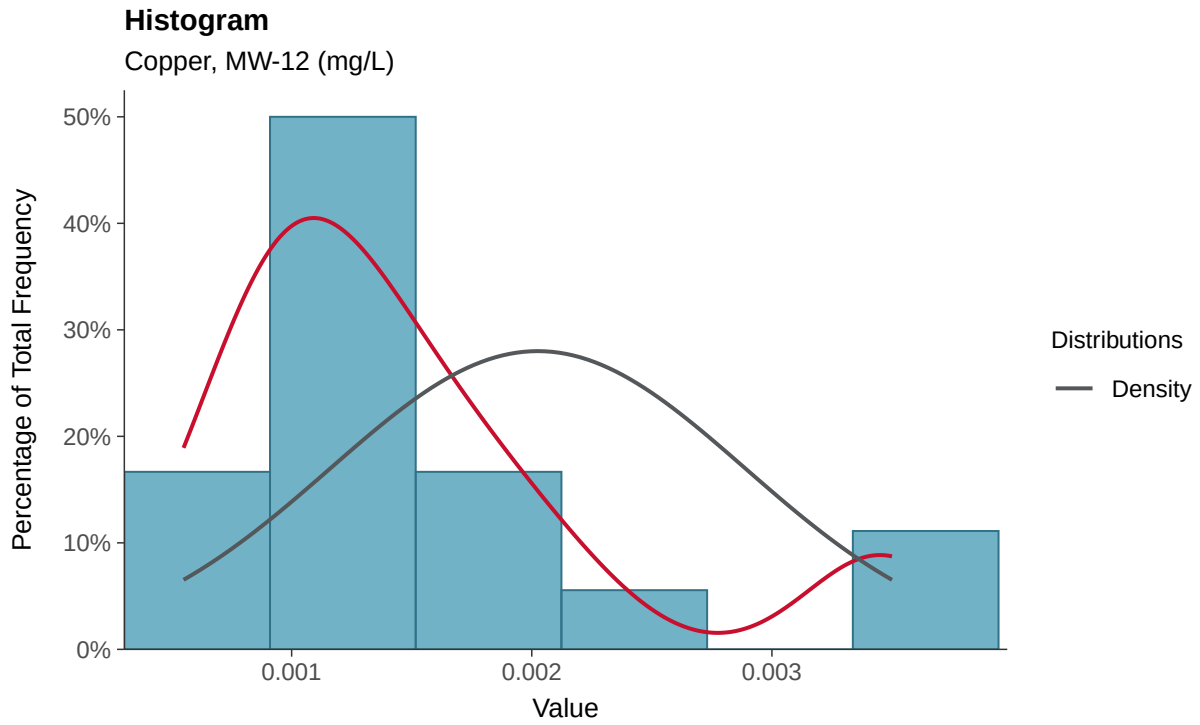
Thallium, MW-12 (mg/L)



Part 115: Copper, MW-12

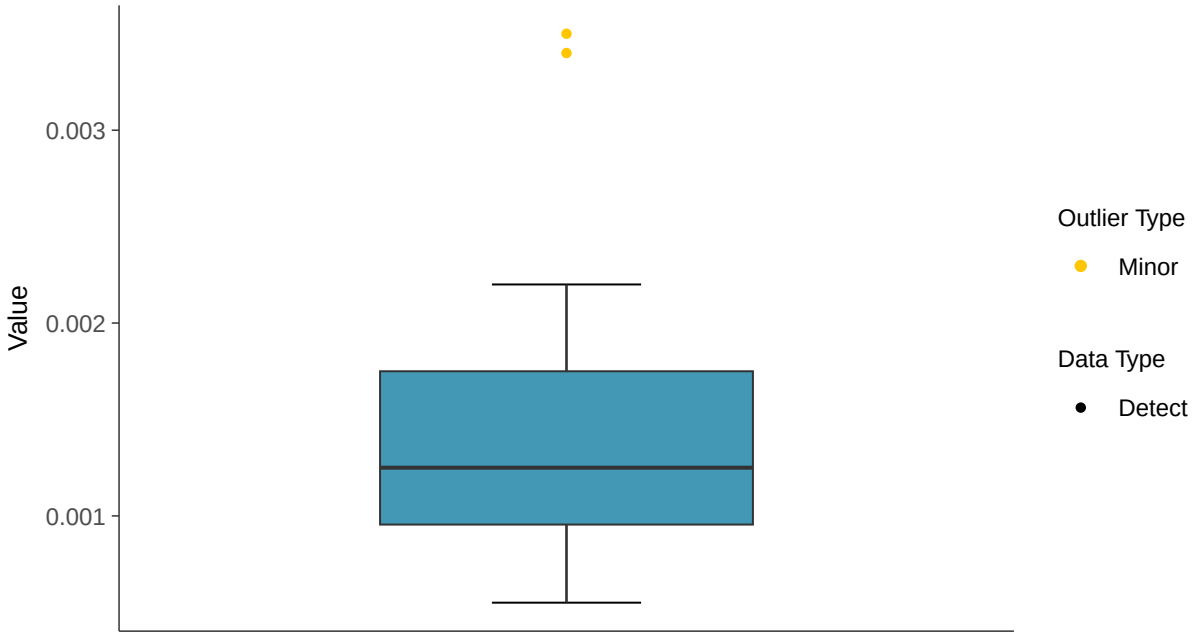
ID: 22_2_5_111





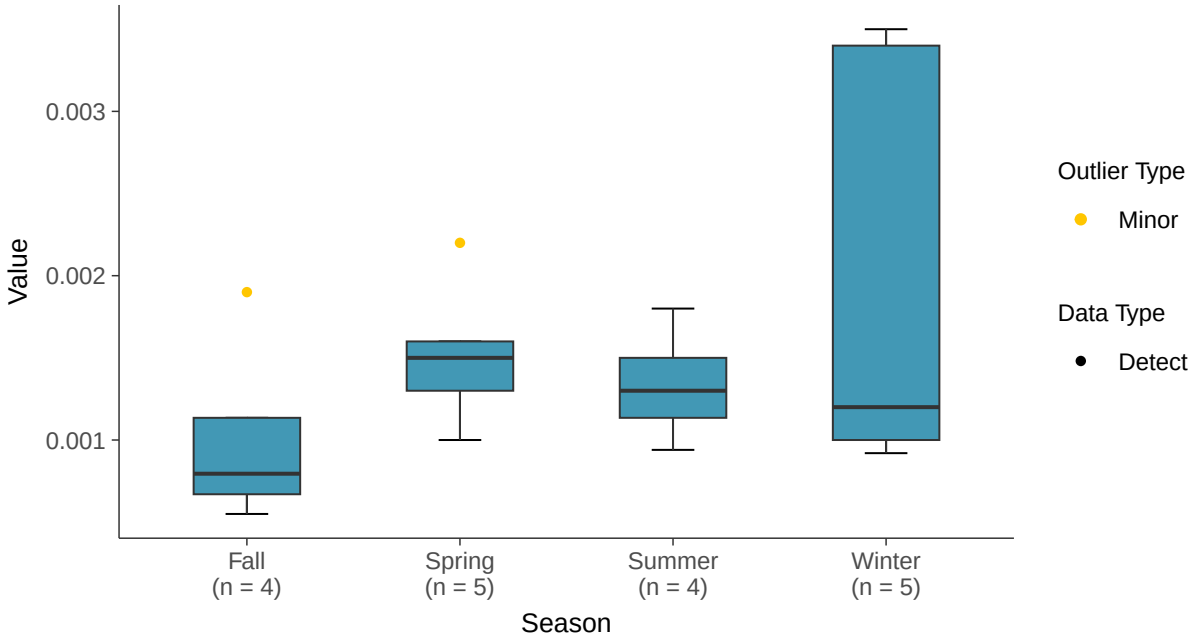
Boxplot

Copper, MW-12 (mg/L)



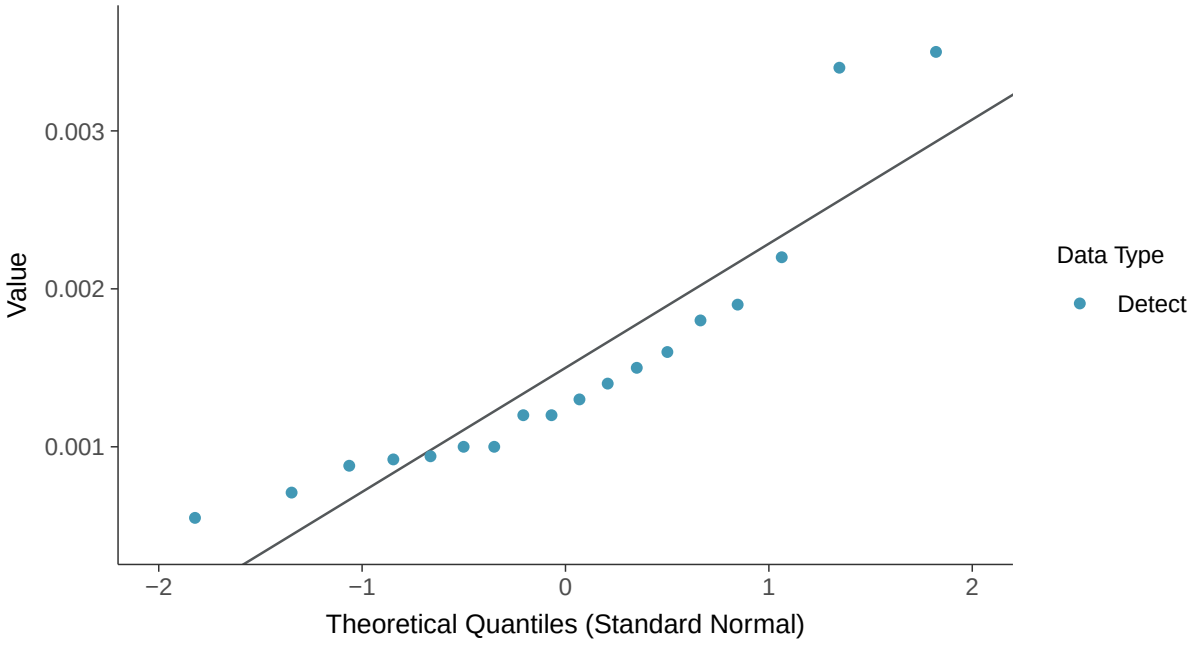
Boxplot by Season

Copper, MW-12 (mg/L)



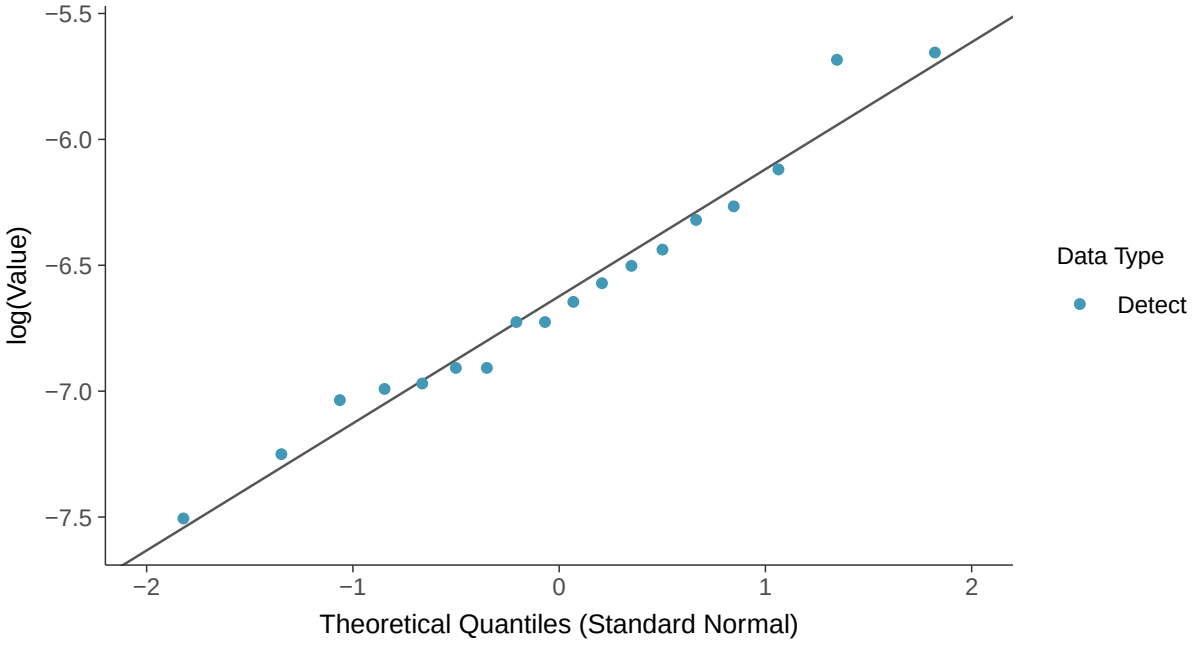
Normal Q-Q plot

Copper, MW-12 (mg/L)



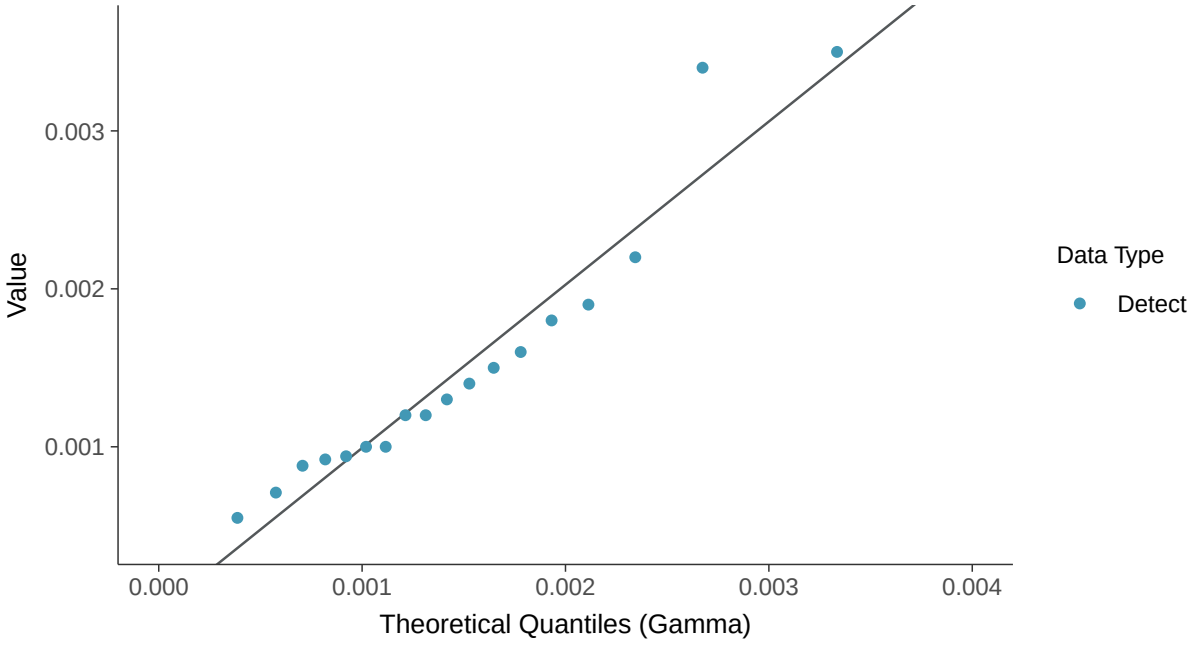
Lognormal Q-Q plot

Copper, MW-12 (mg/L)



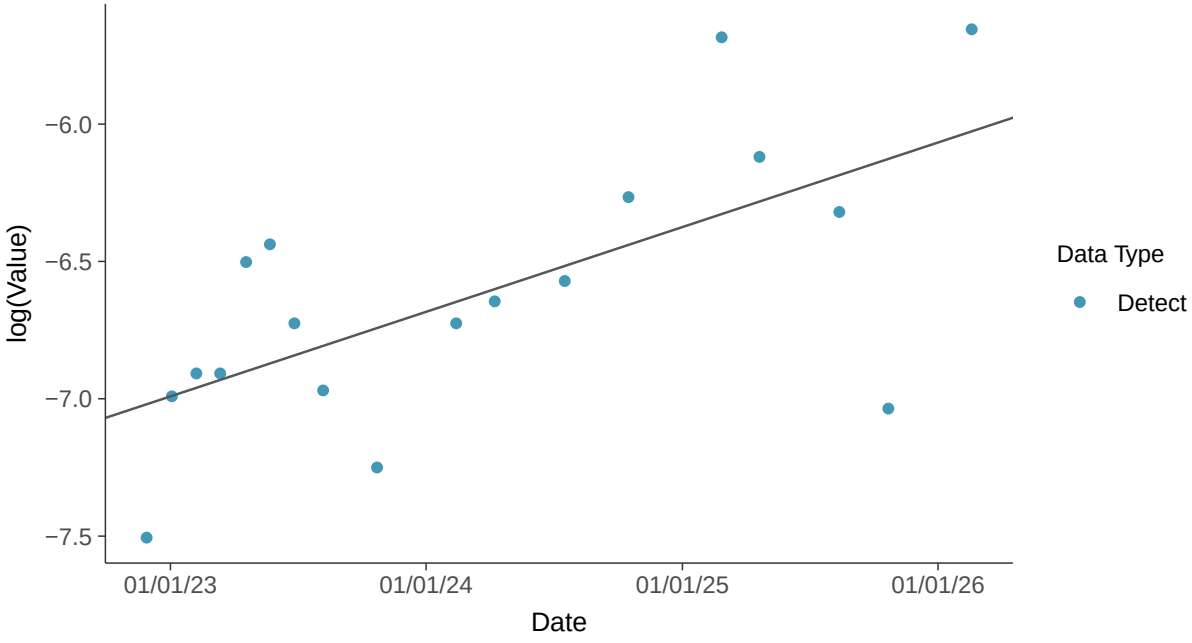
Gamma Q-Q plot

Copper, MW-12 (mg/L)



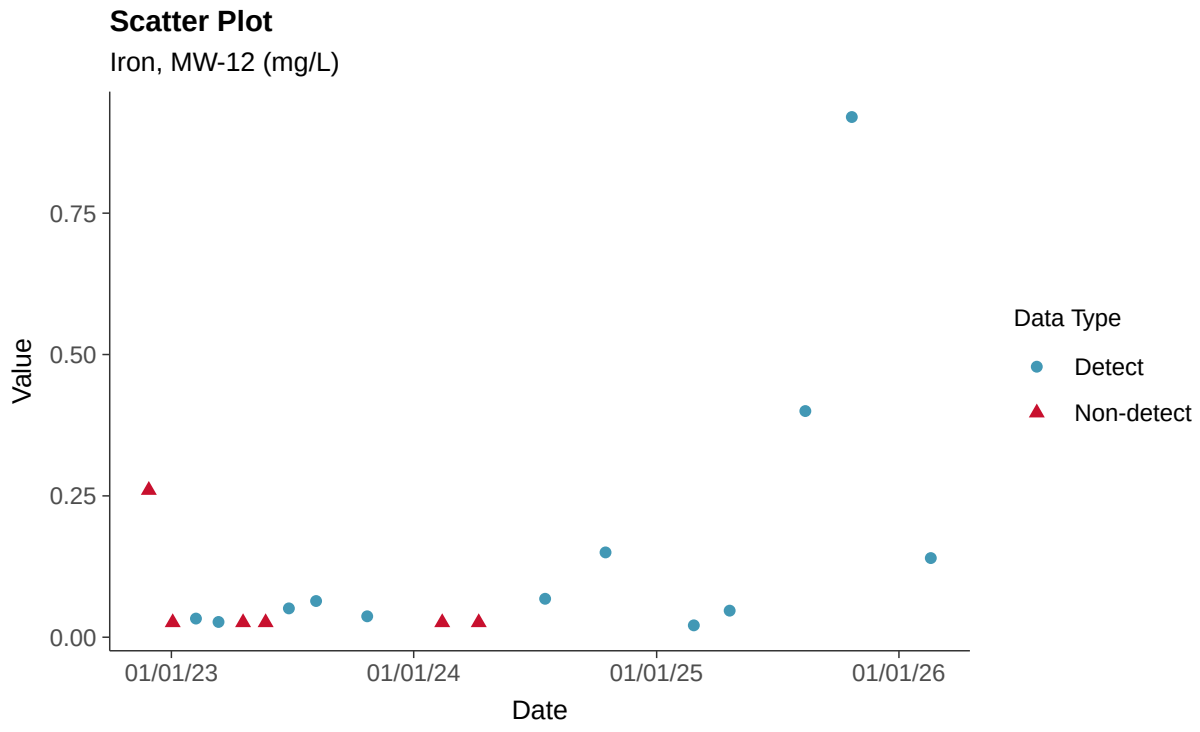
Trend Regression: Lognormal MLE

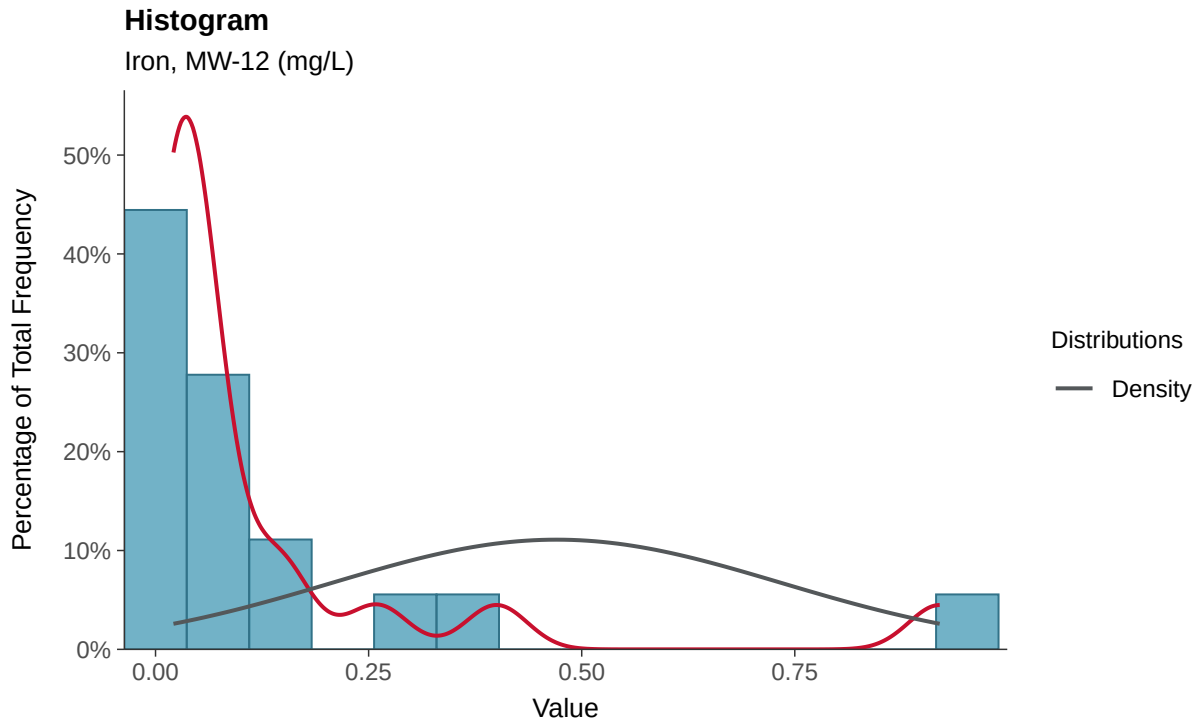
Copper, MW-12 (mg/L)



Part 115: Iron, MW-12

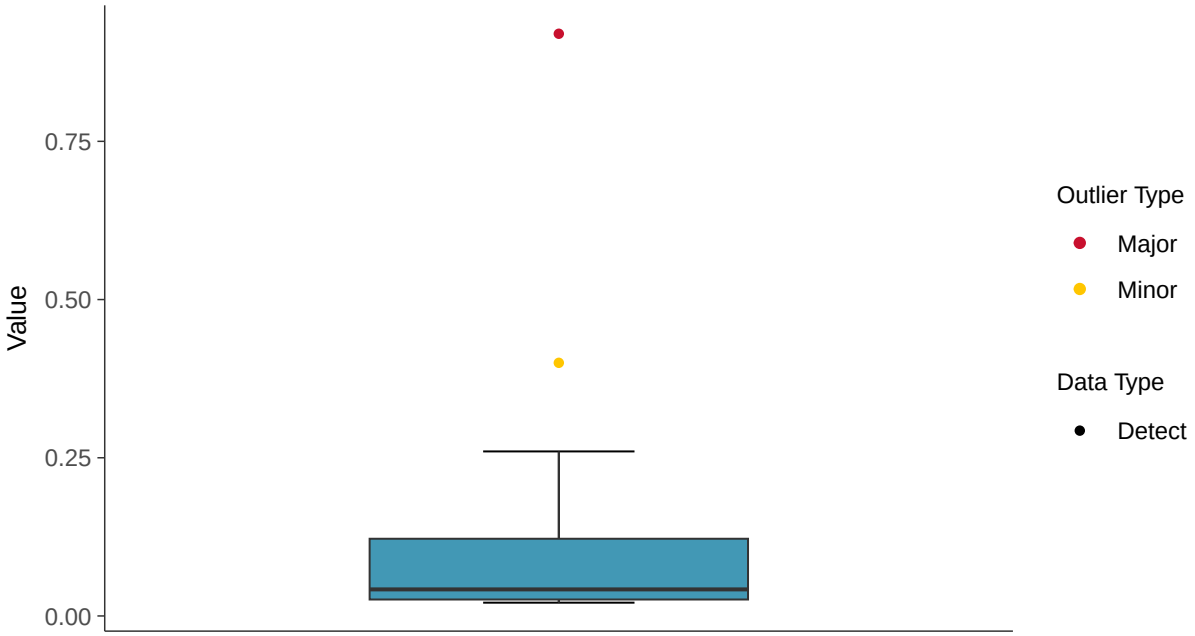
ID: 22_2_5_114





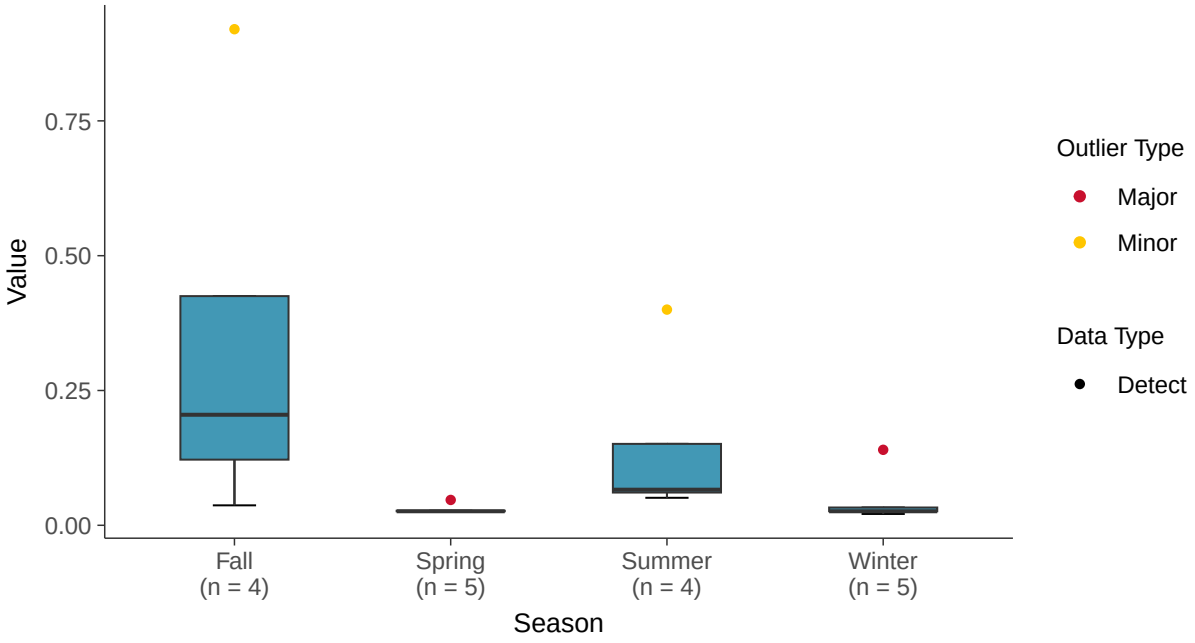
Boxplot

Iron, MW-12 (mg/L)



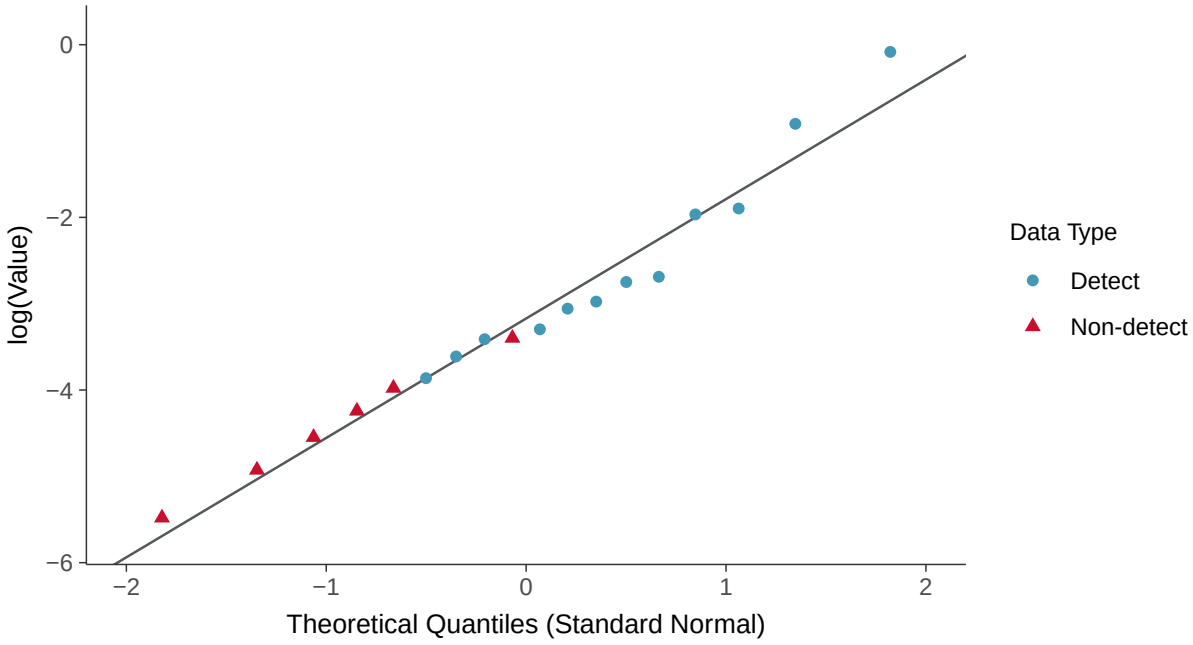
Boxplot by Season

Iron, MW-12 (mg/L)



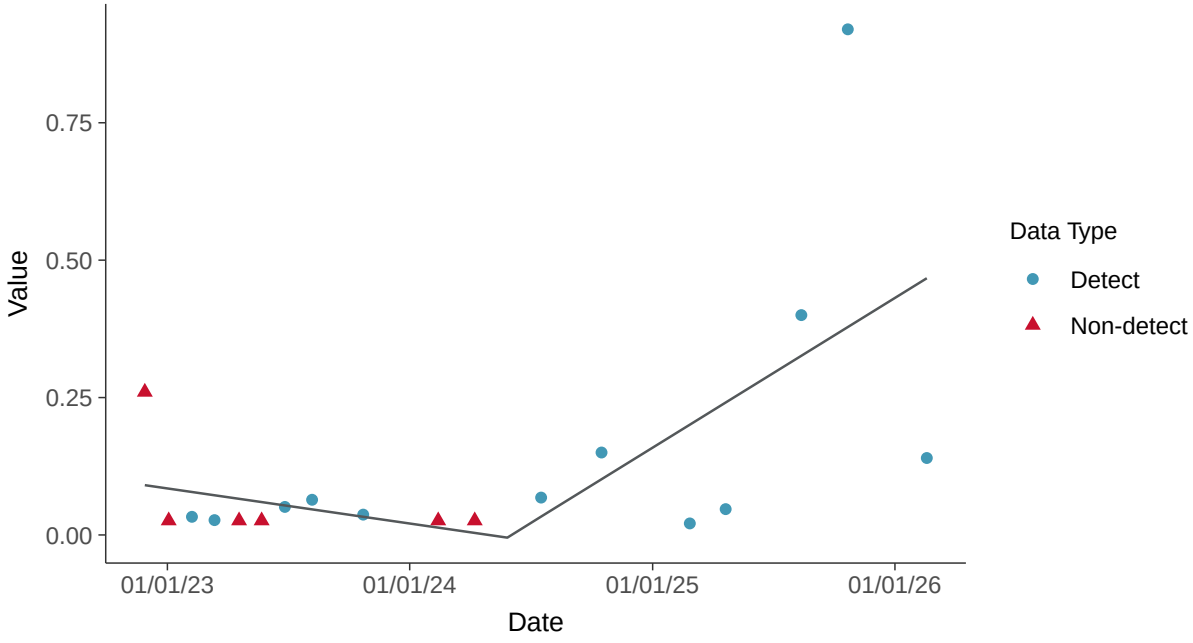
Lognormal Q-Q plot using ROS Imputed Estimates

Iron, MW-12 (mg/L)



Trend Regression: Piecewise Linear-Linear

Iron, MW-12 (mg/L)

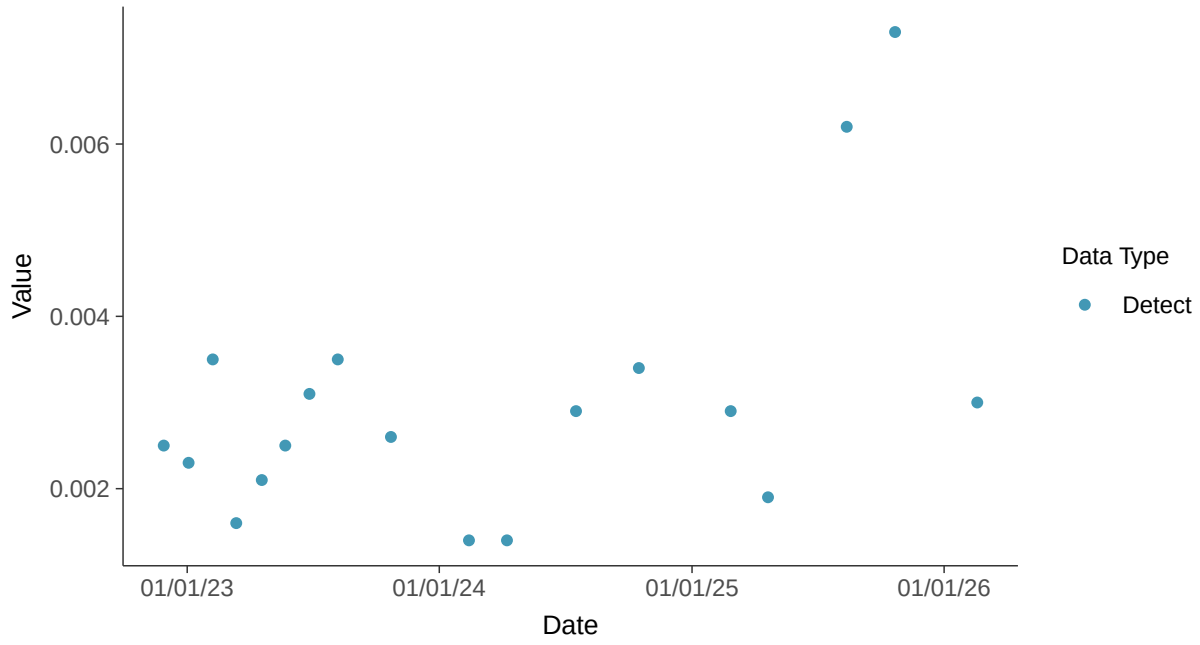


Part 115: Nickel, MW-12

ID: 22_2_5_119

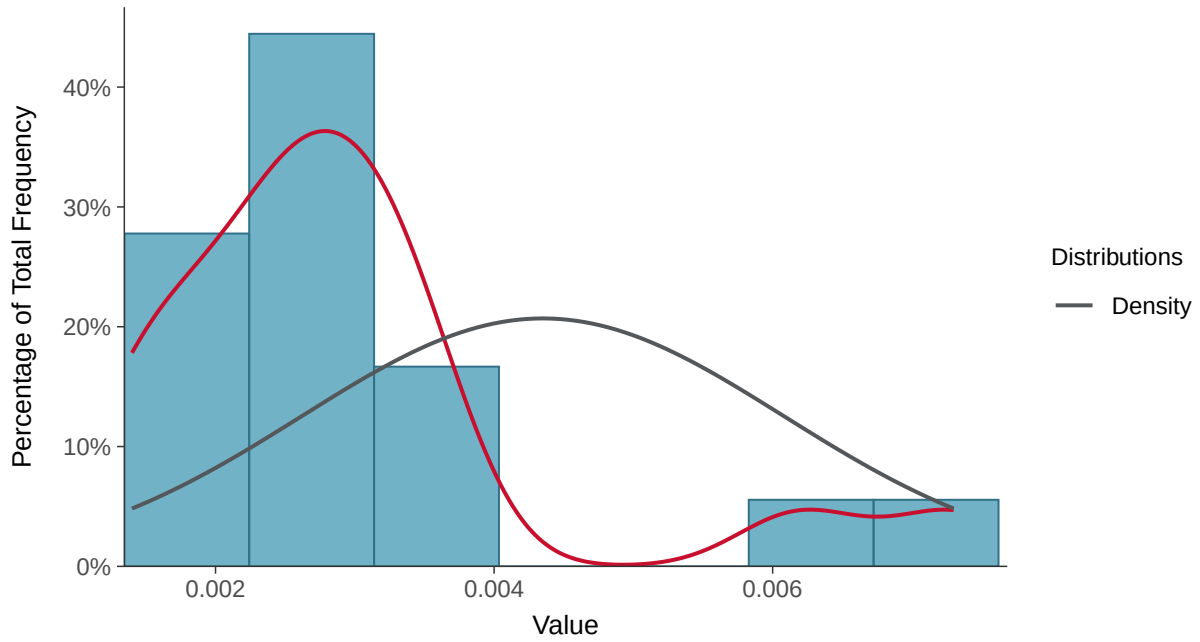
Scatter Plot

Nickel, MW-12 (mg/L)



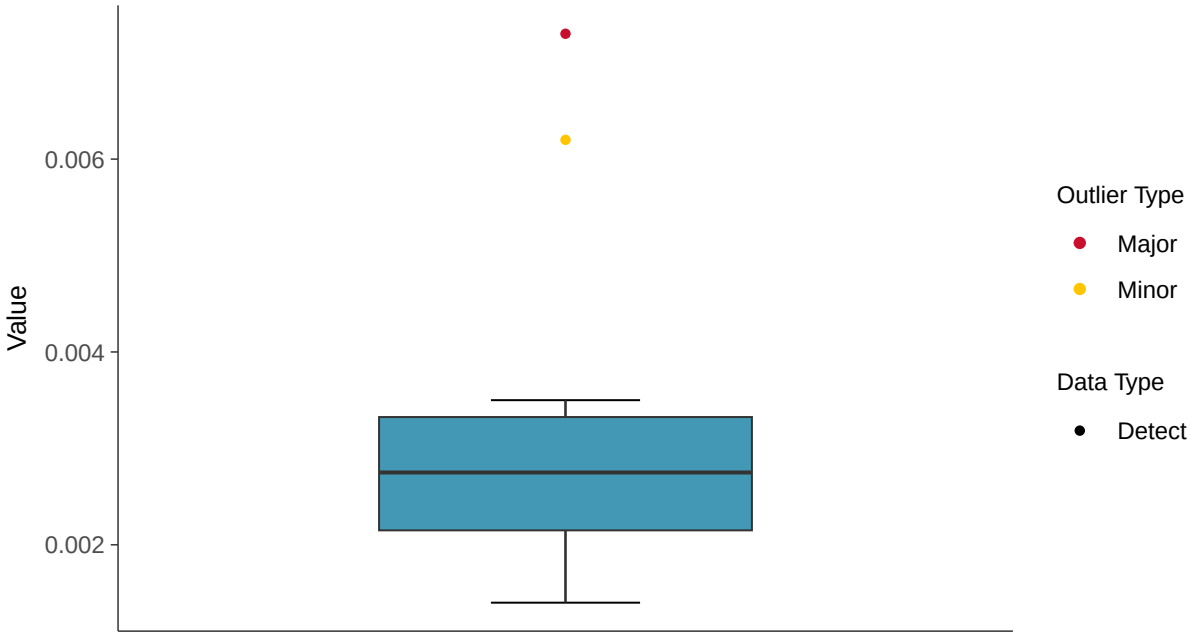
Histogram

Nickel, MW-12 (mg/L)



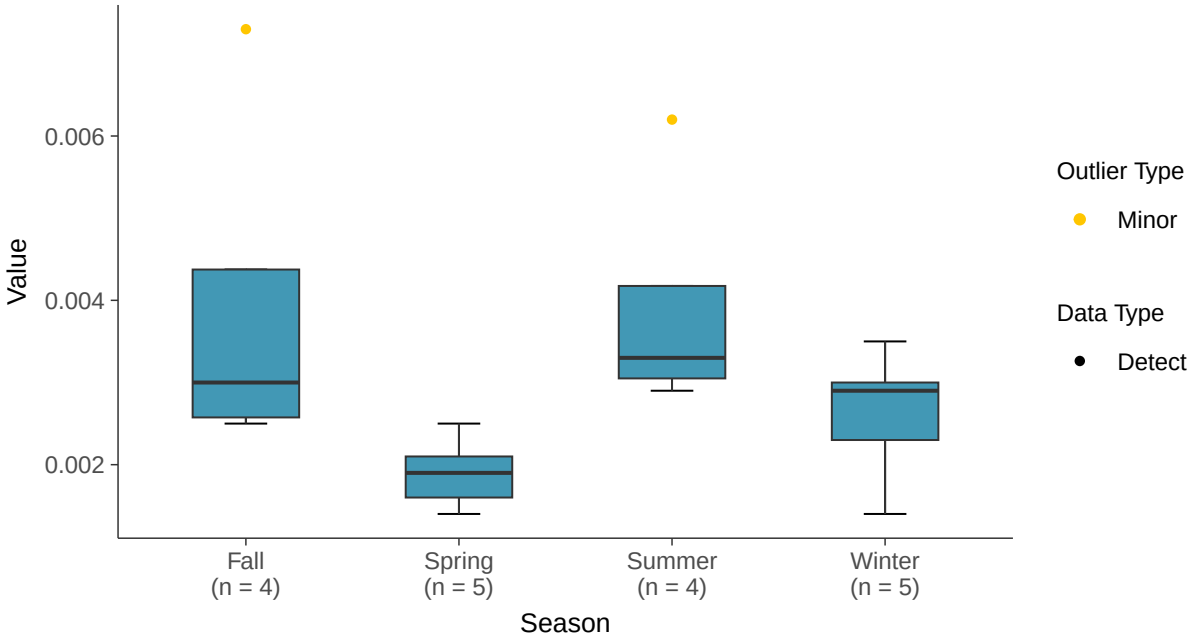
Boxplot

Nickel, MW-12 (mg/L)



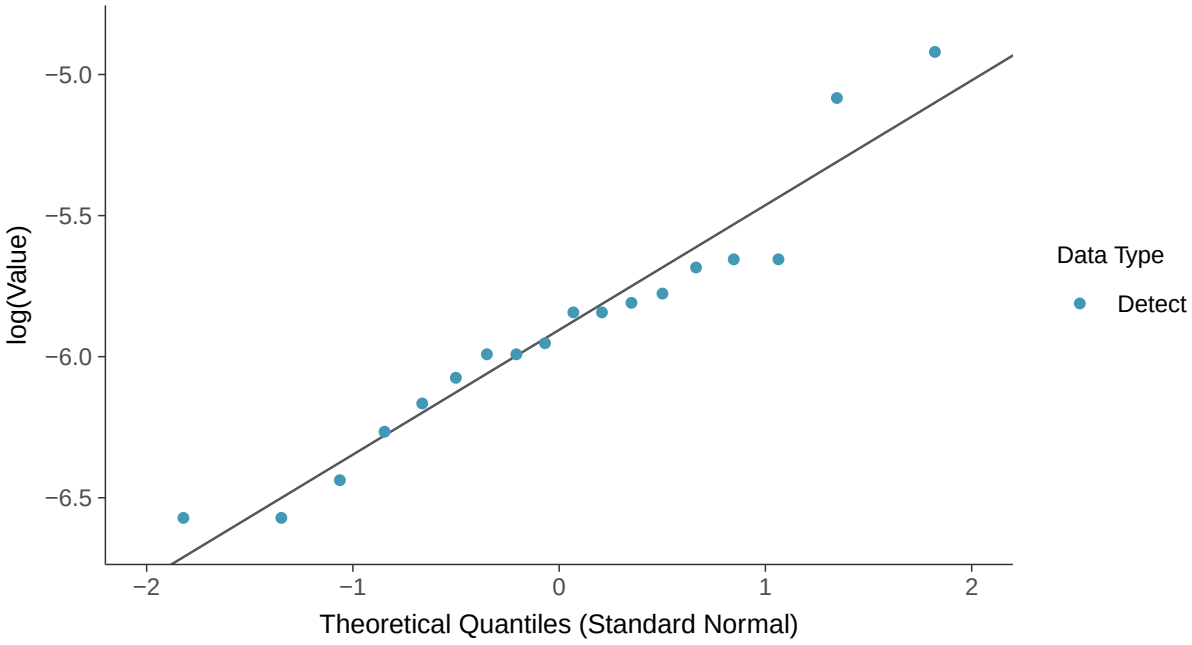
Boxplot by Season

Nickel, MW-12 (mg/L)



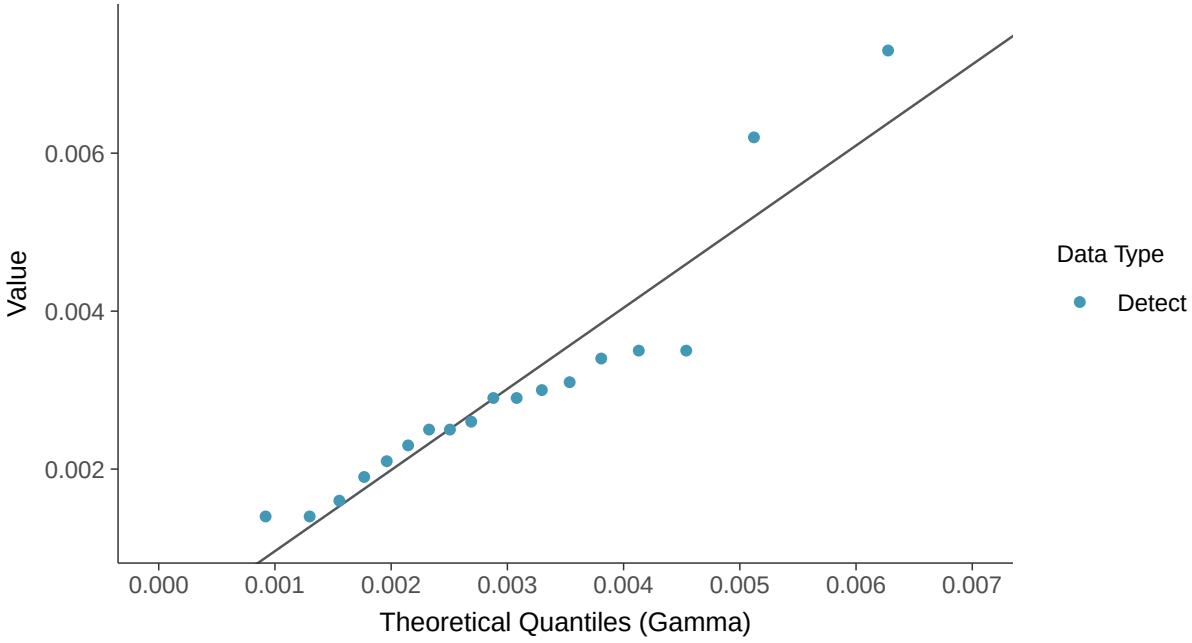
Lognormal Q-Q plot

Nickel, MW-12 (mg/L)



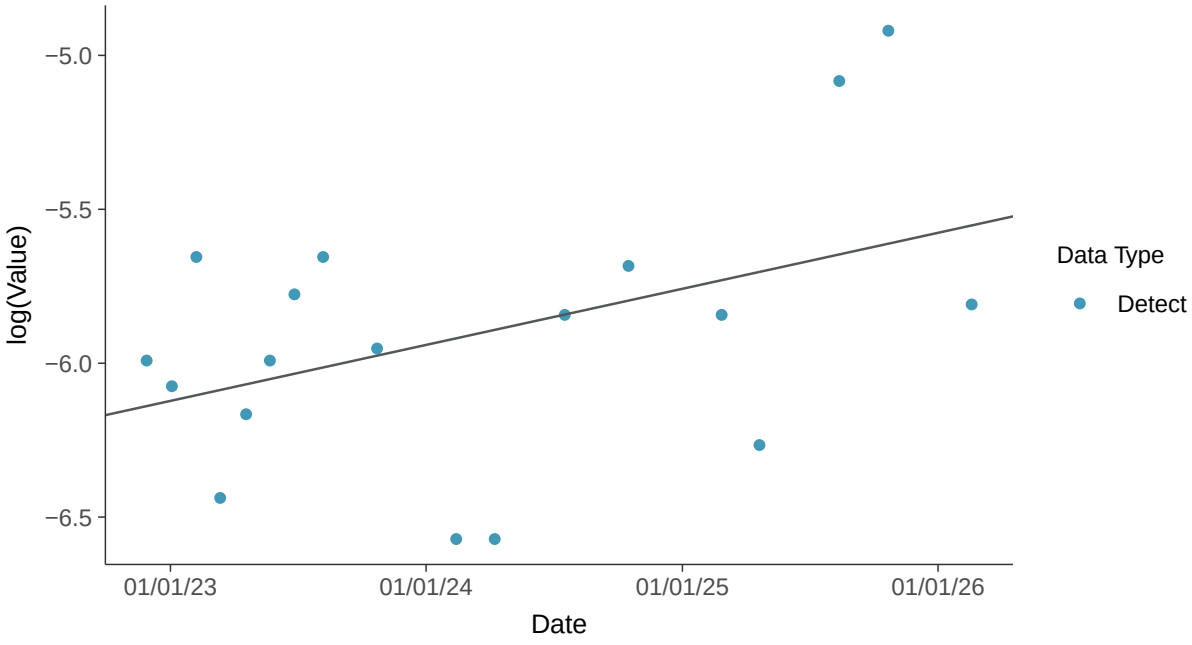
Gamma Q-Q plot

Nickel, MW-12 (mg/L)



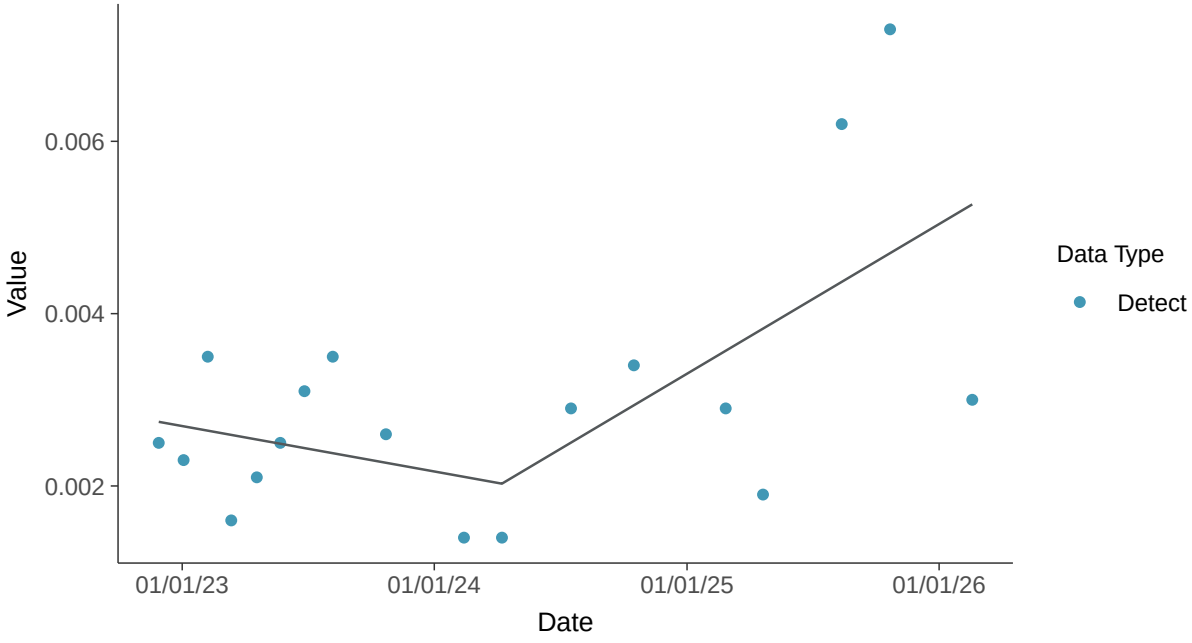
Trend Regression: Lognormal MLE

Nickel, MW-12 (mg/L)



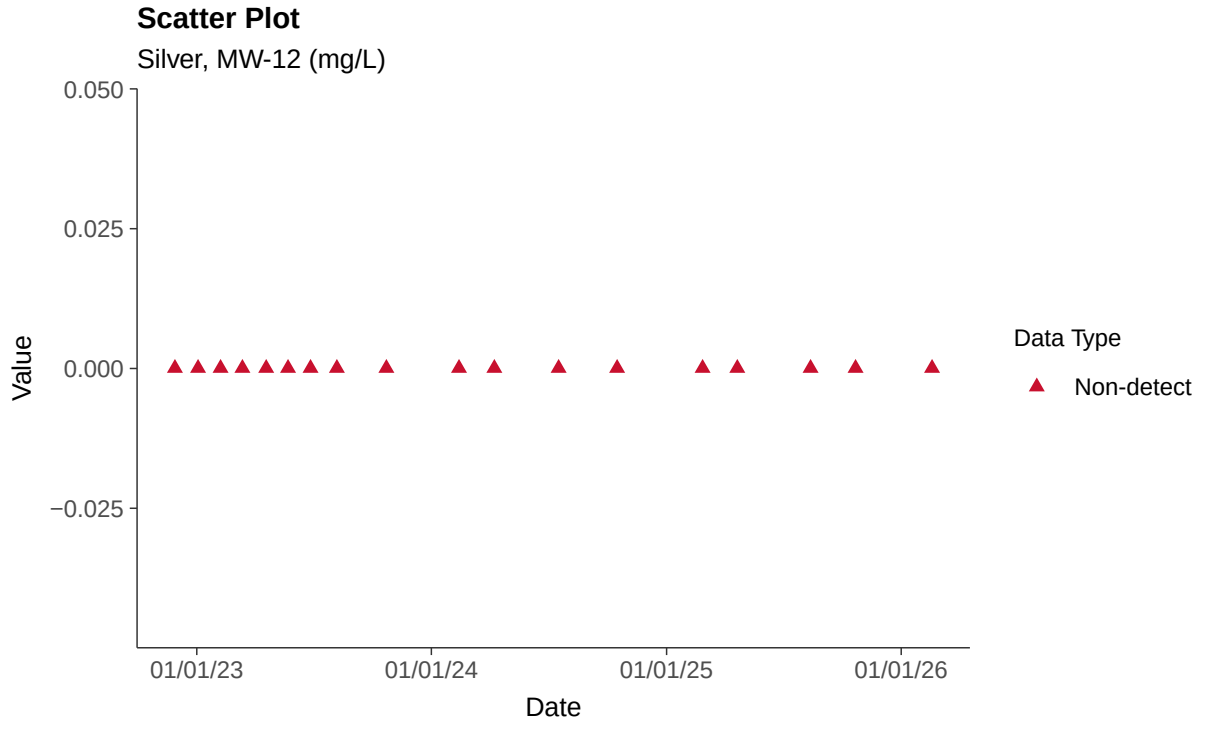
Trend Regression: Piecewise Linear-Linear

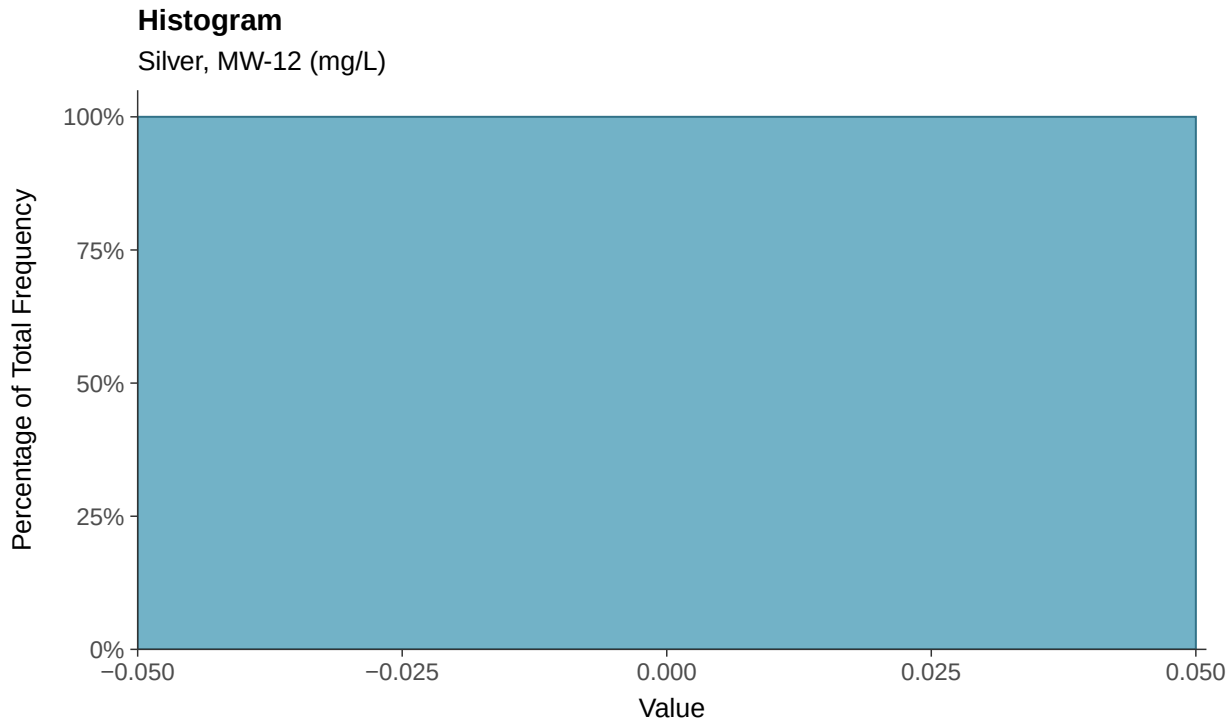
Nickel, MW-12 (mg/L)



Part 115: Silver, MW-12

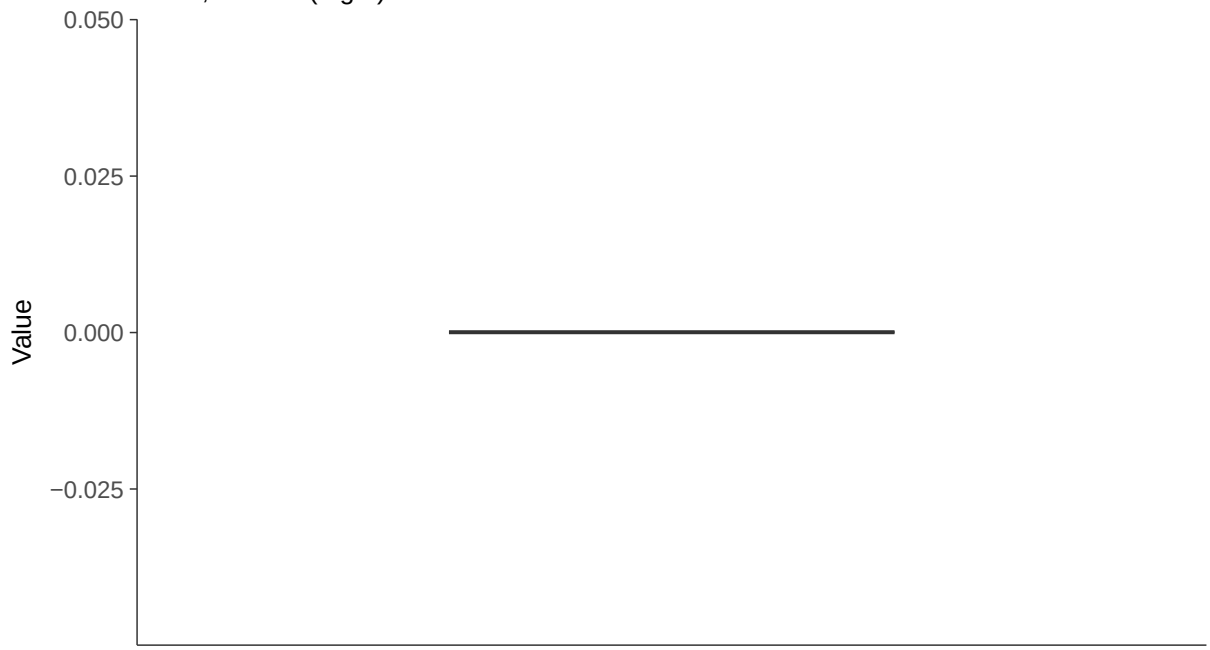
ID: 22_2_5_123





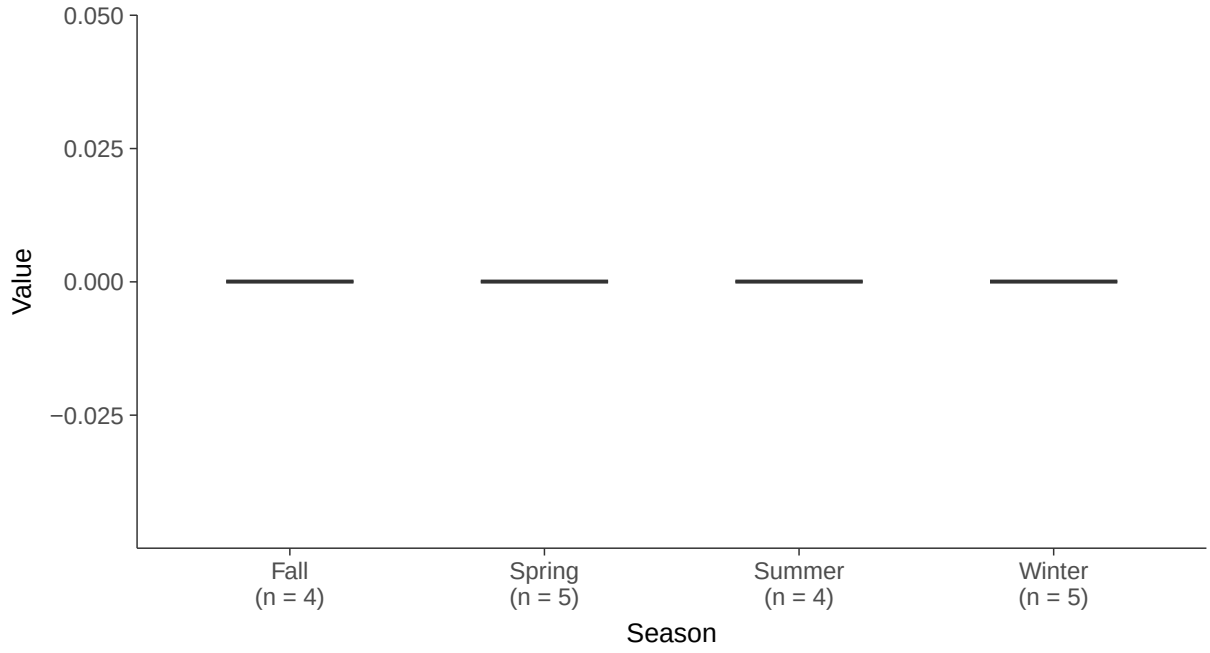
Boxplot

Silver, MW-12 (mg/L)



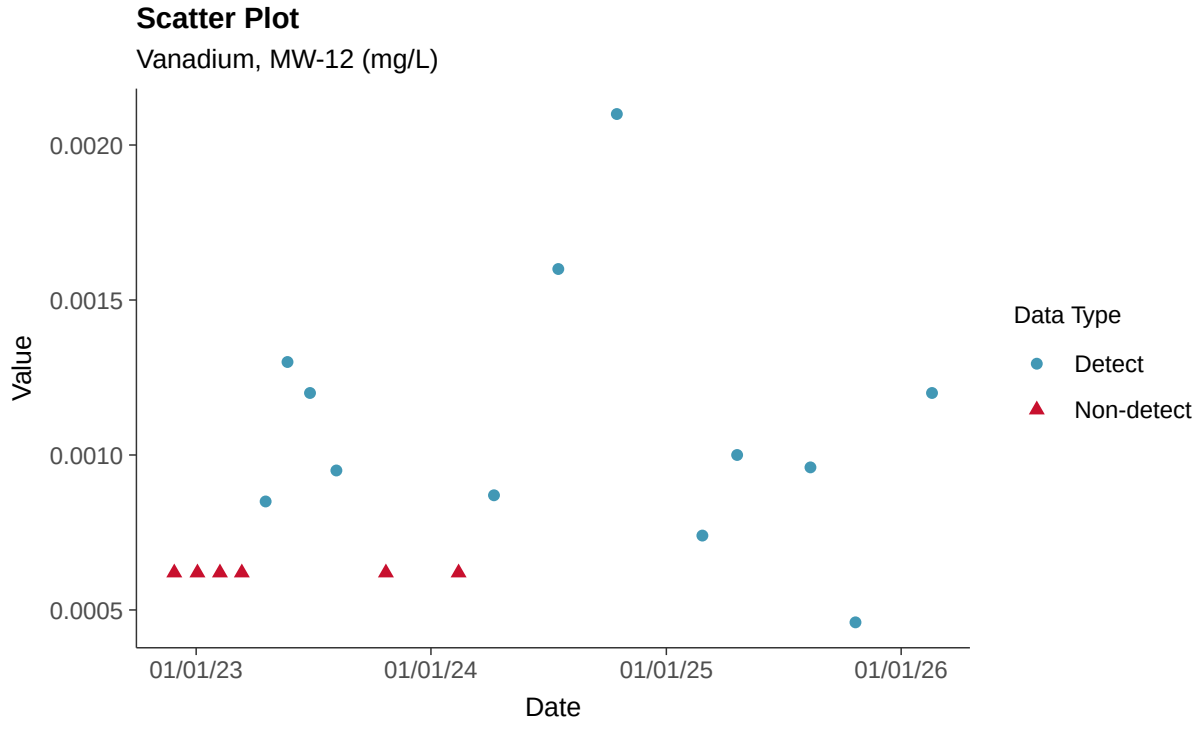
Boxplot by Season

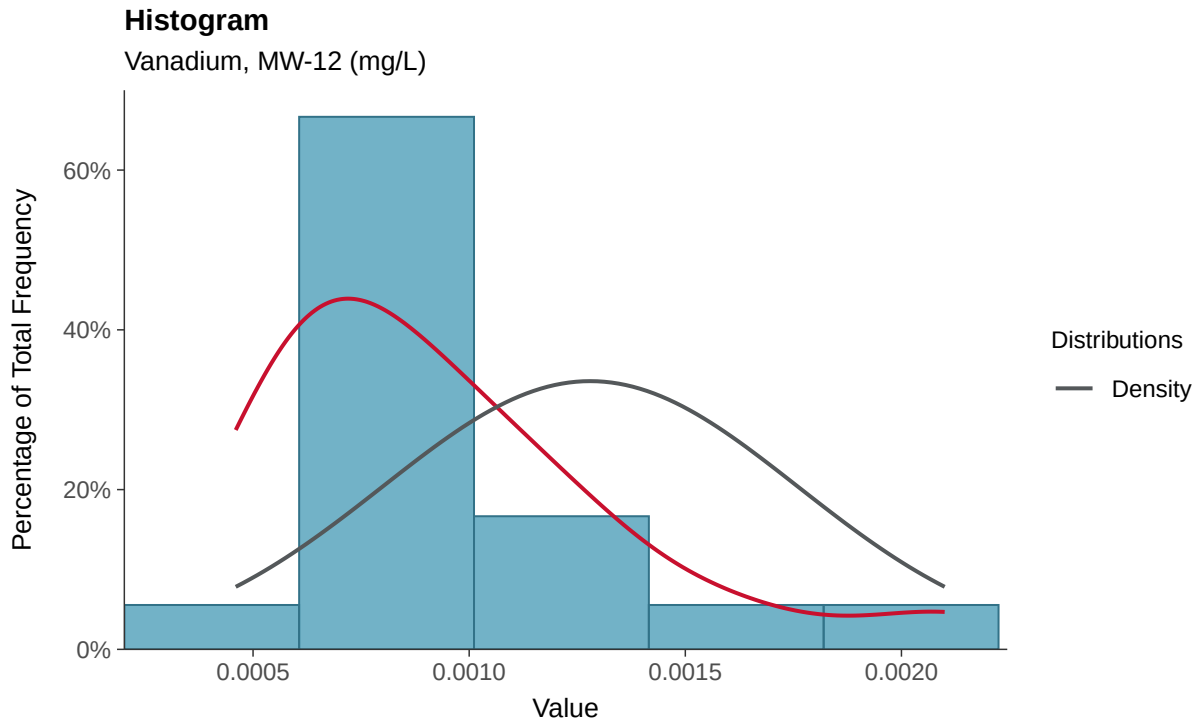
Silver, MW-12 (mg/L)



Part 115: Vanadium, MW-12

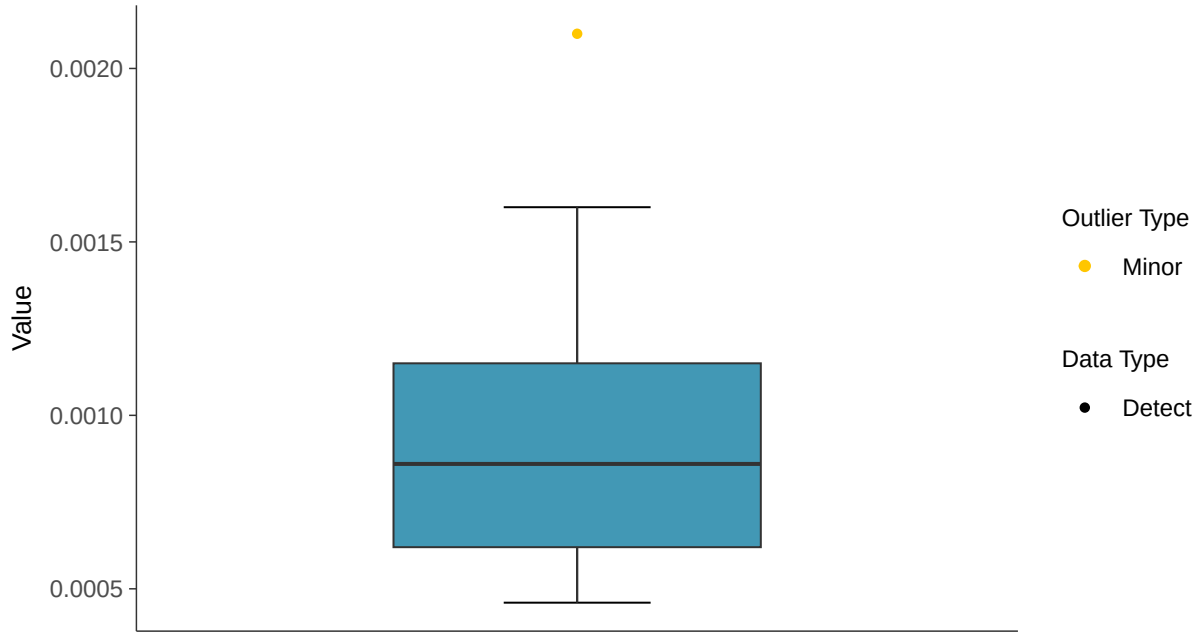
ID: 22_2_5_128





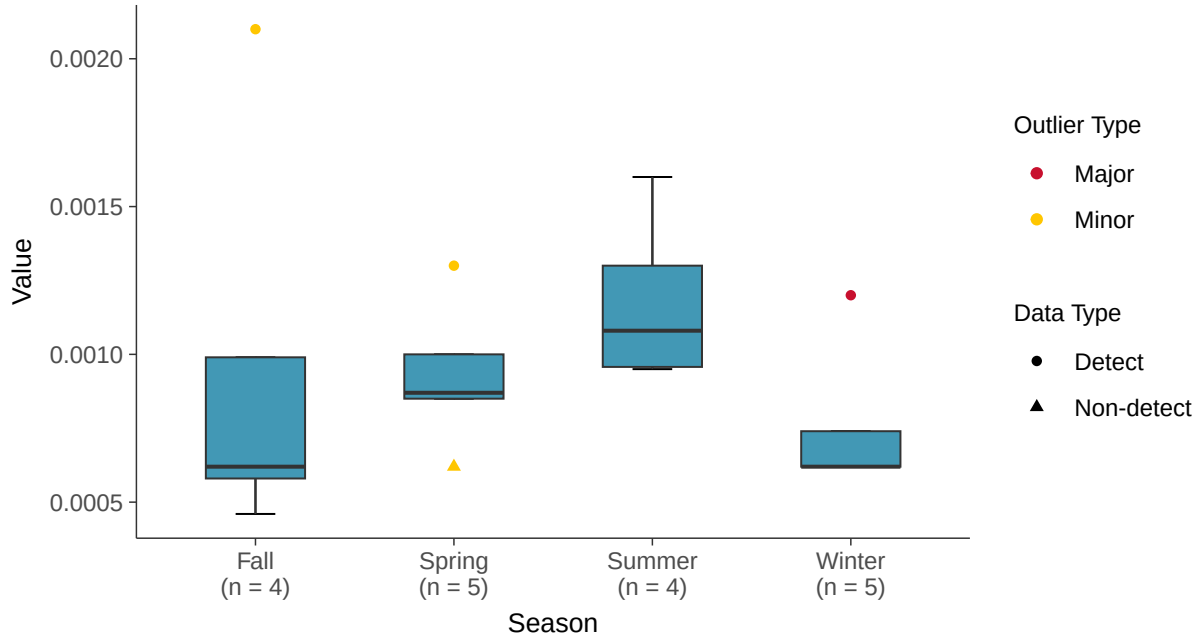
Boxplot

Vanadium, MW-12 (mg/L)



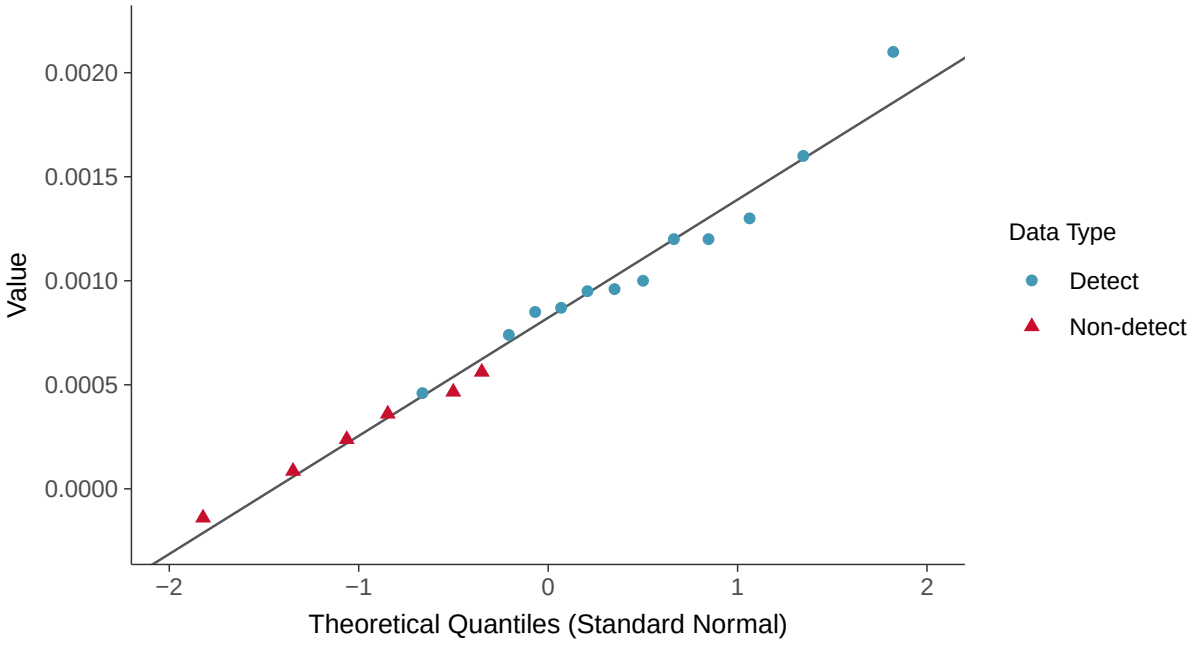
Boxplot by Season

Vanadium, MW-12 (mg/L)



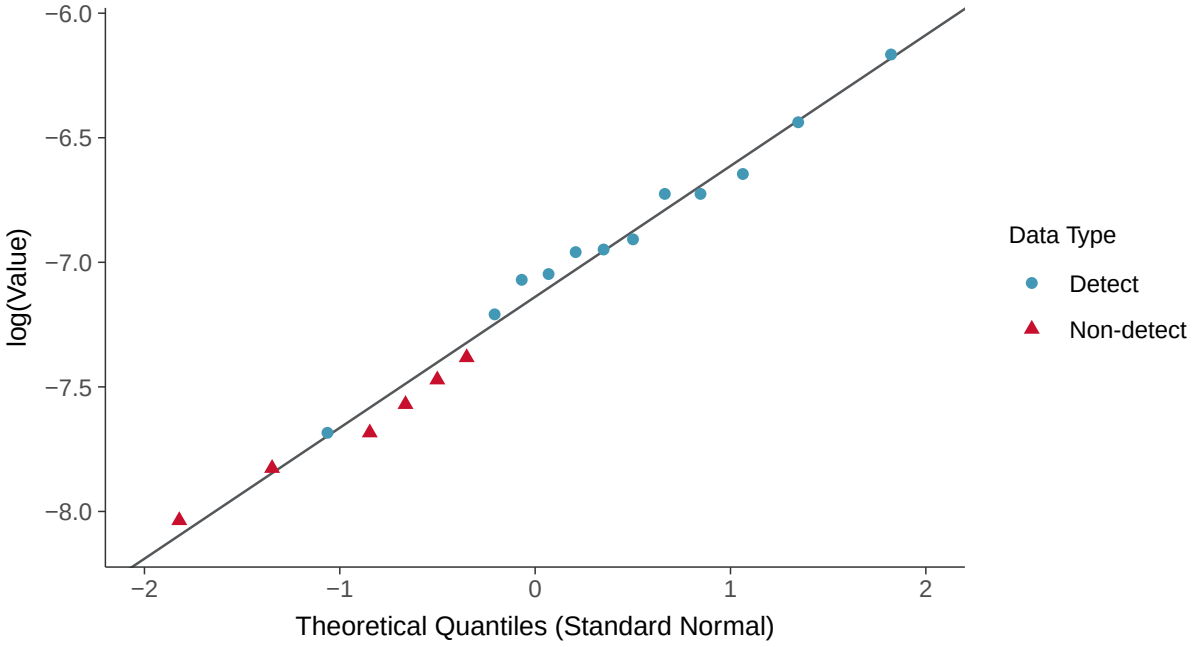
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-12 (mg/L)



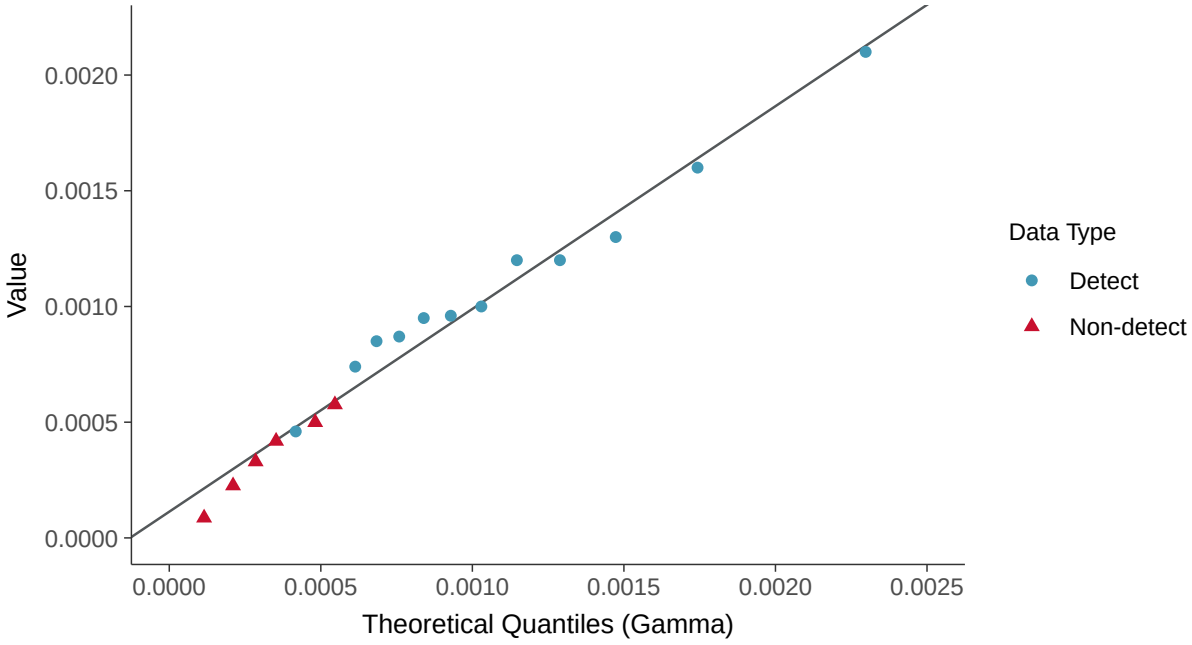
Lognormal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-12 (mg/L)



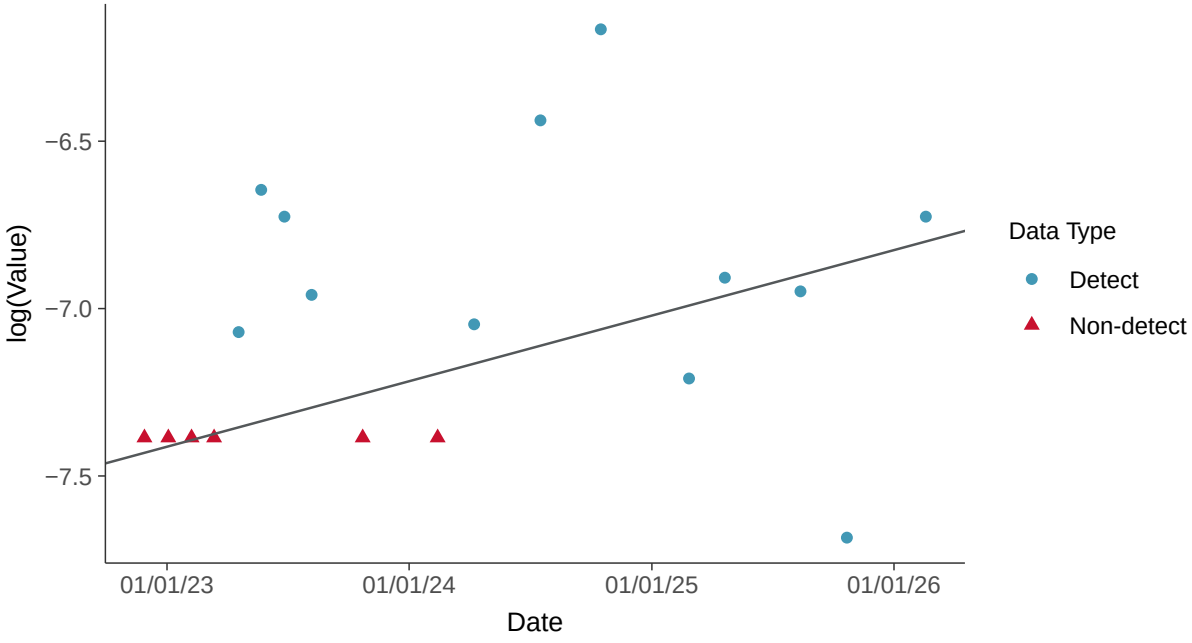
Gamma Q-Q plot using ROS Imputed Estimates

Vanadium, MW-12 (mg/L)



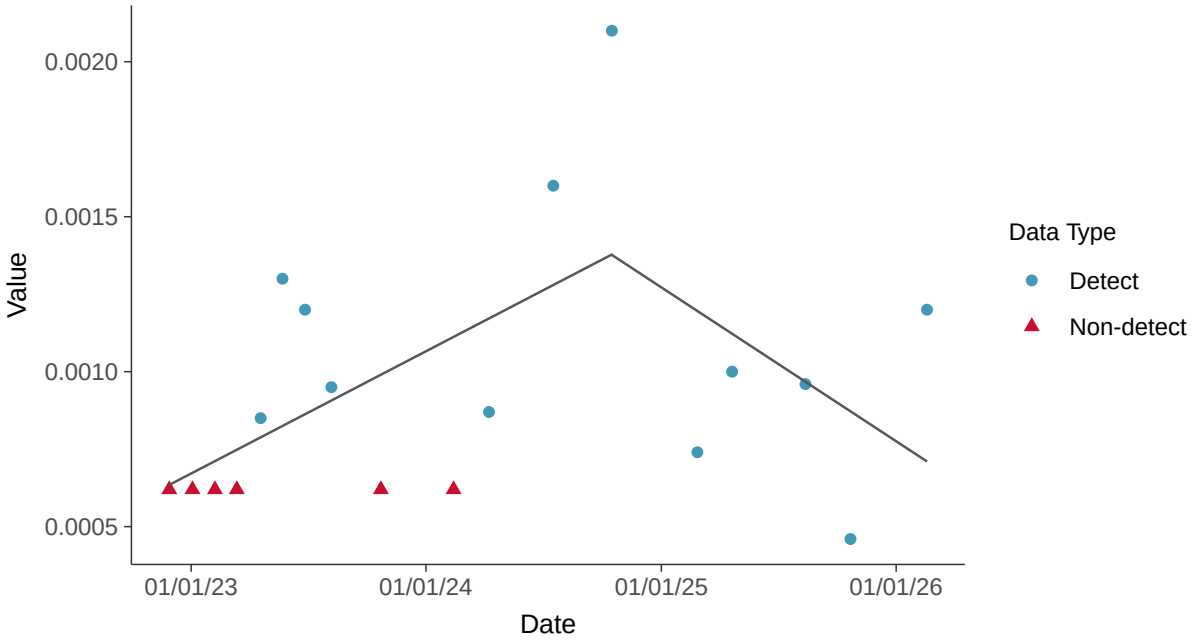
Trend Regression: Lognormal MLE

Vanadium, MW-12 (mg/L)



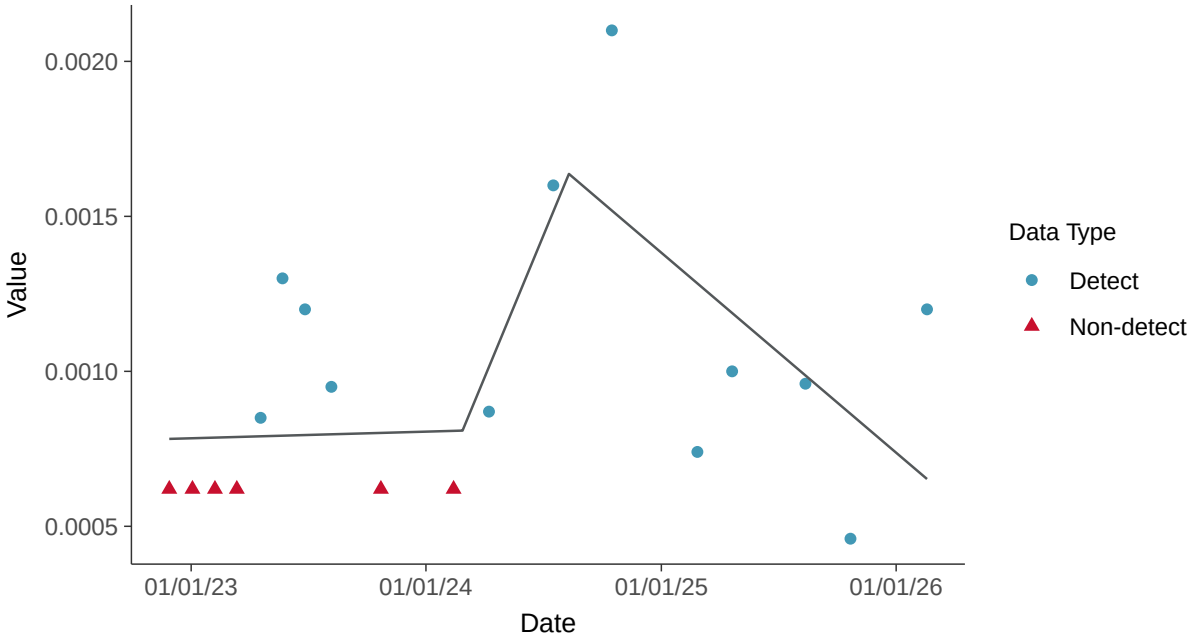
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-12 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Vanadium, MW-12 (mg/L)

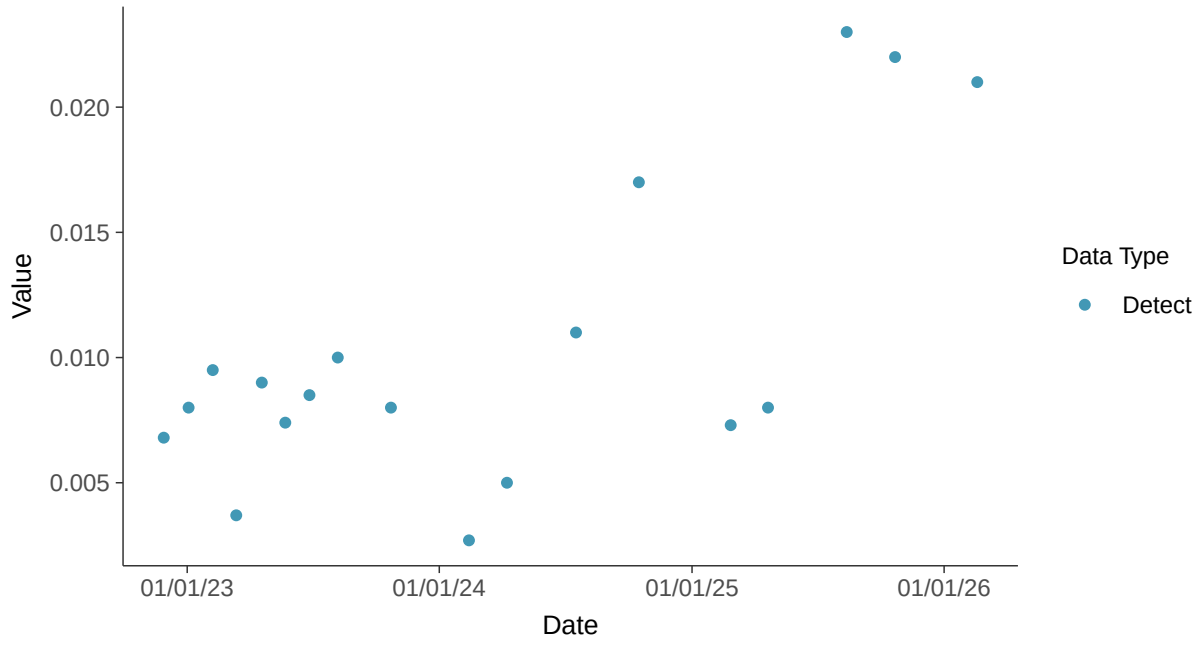


Part 115: Zinc, MW-12

ID: 22_2_5_129

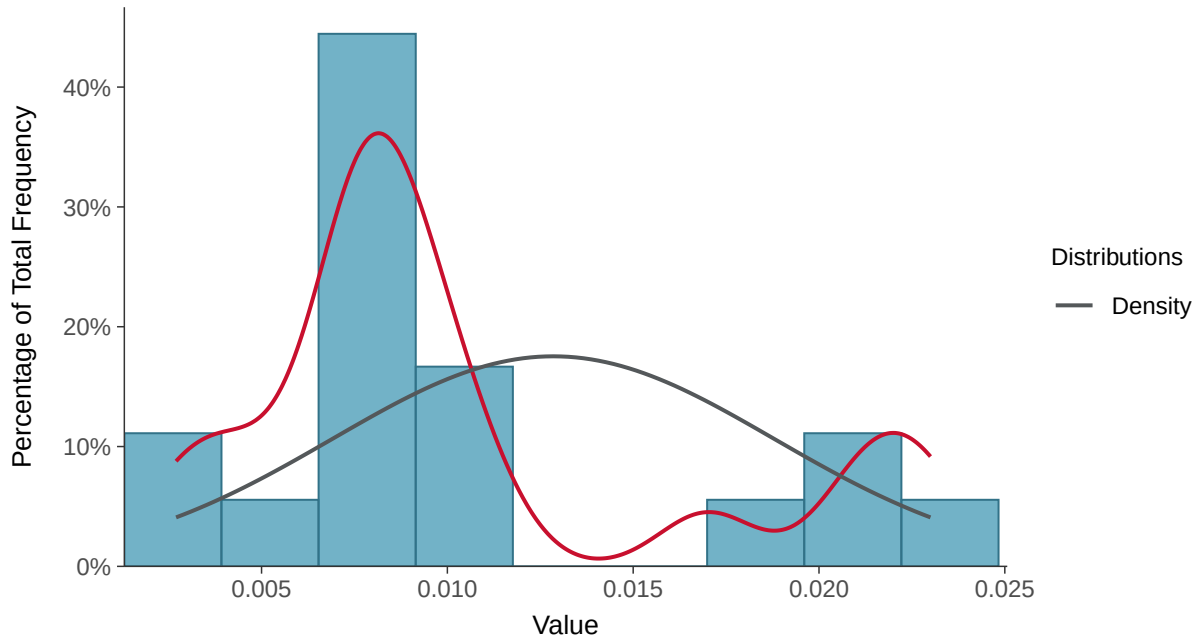
Scatter Plot

Zinc, MW-12 (mg/L)



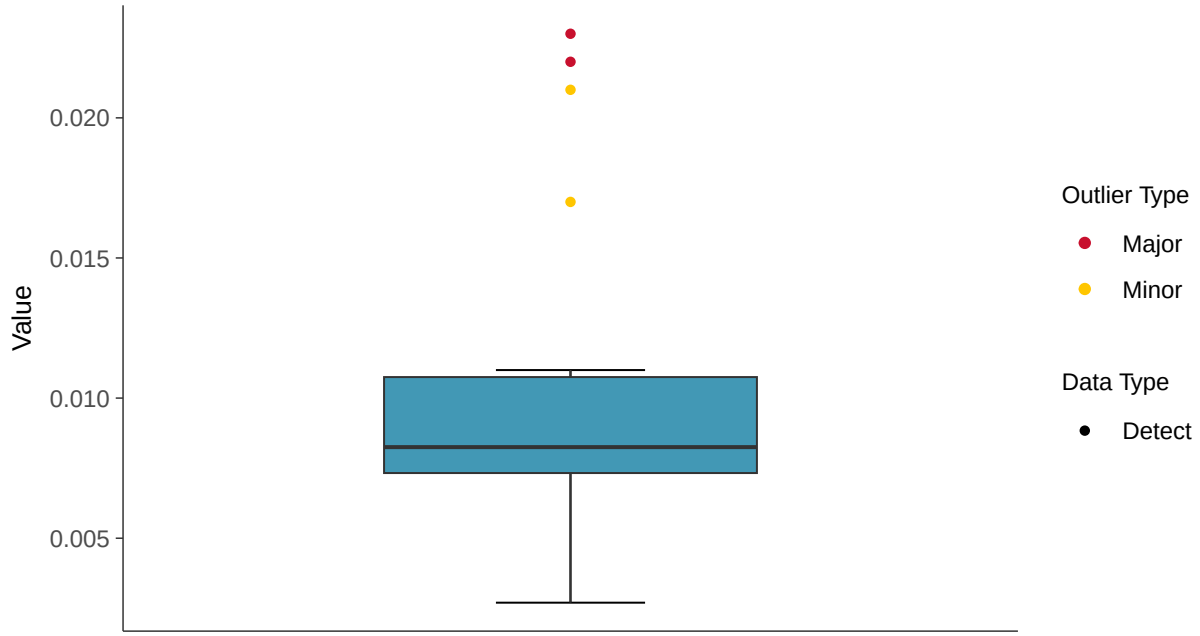
Histogram

Zinc, MW-12 (mg/L)



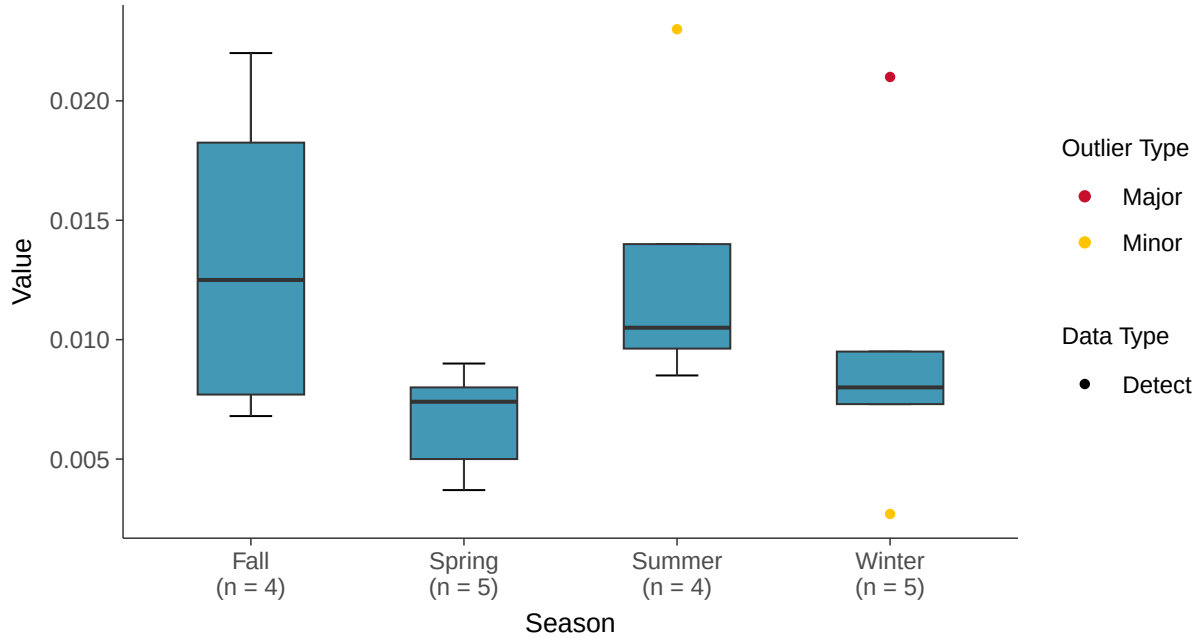
Boxplot

Zinc, MW-12 (mg/L)



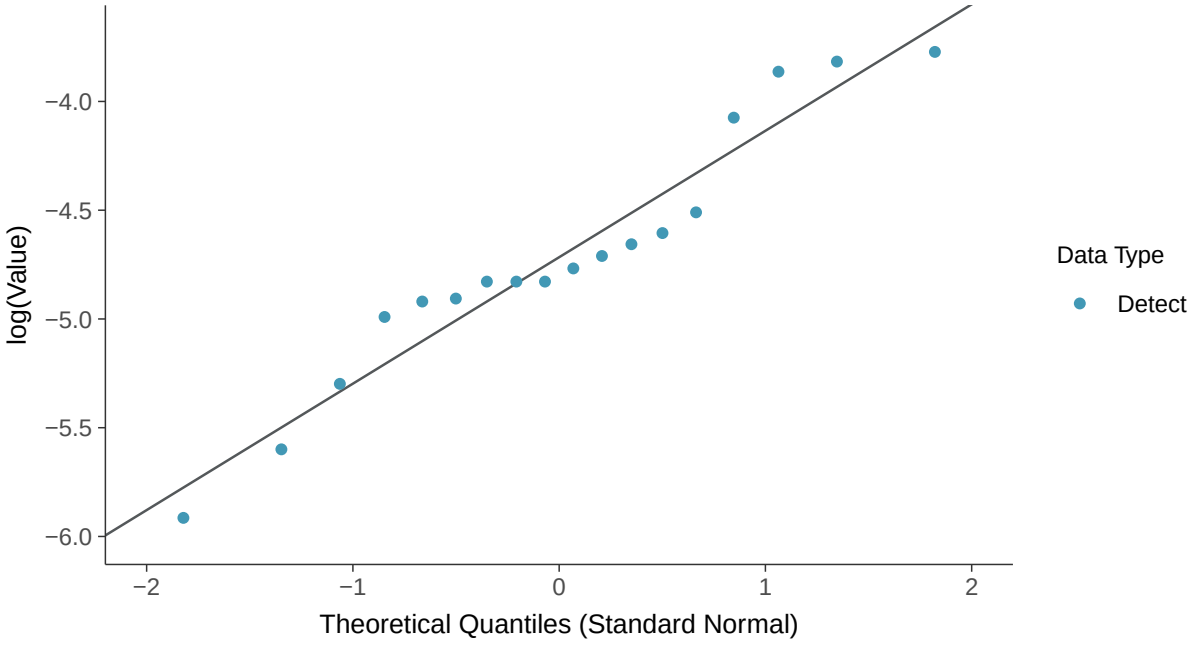
Boxplot by Season

Zinc, MW-12 (mg/L)



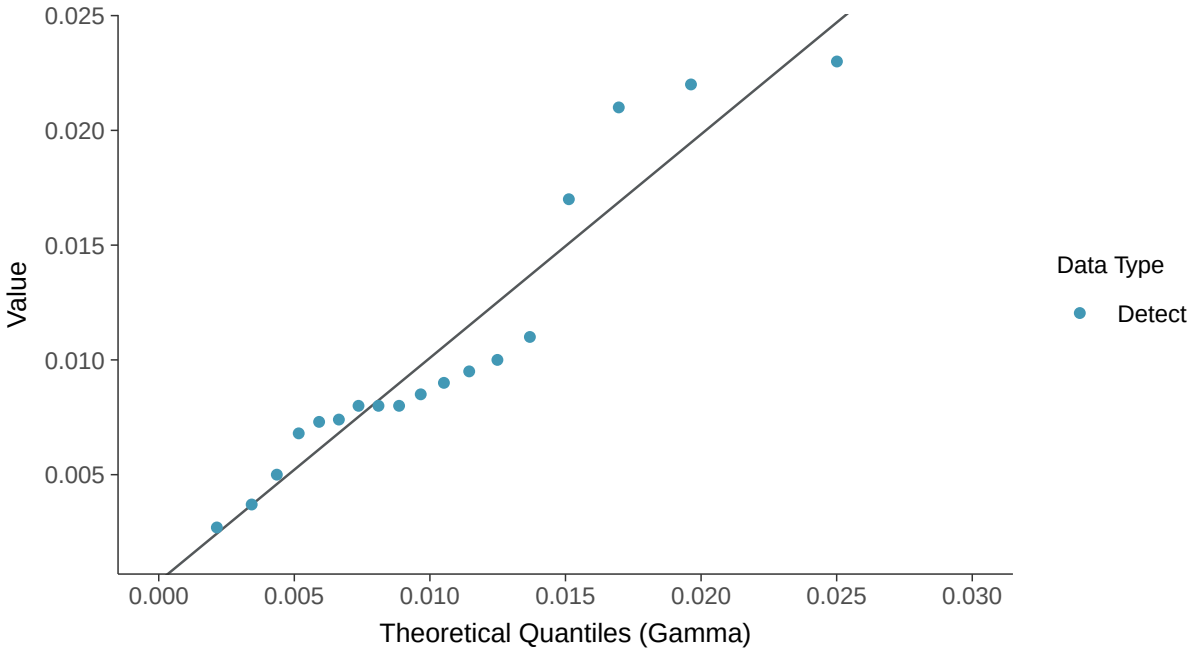
Lognormal Q-Q plot

Zinc, MW-12 (mg/L)



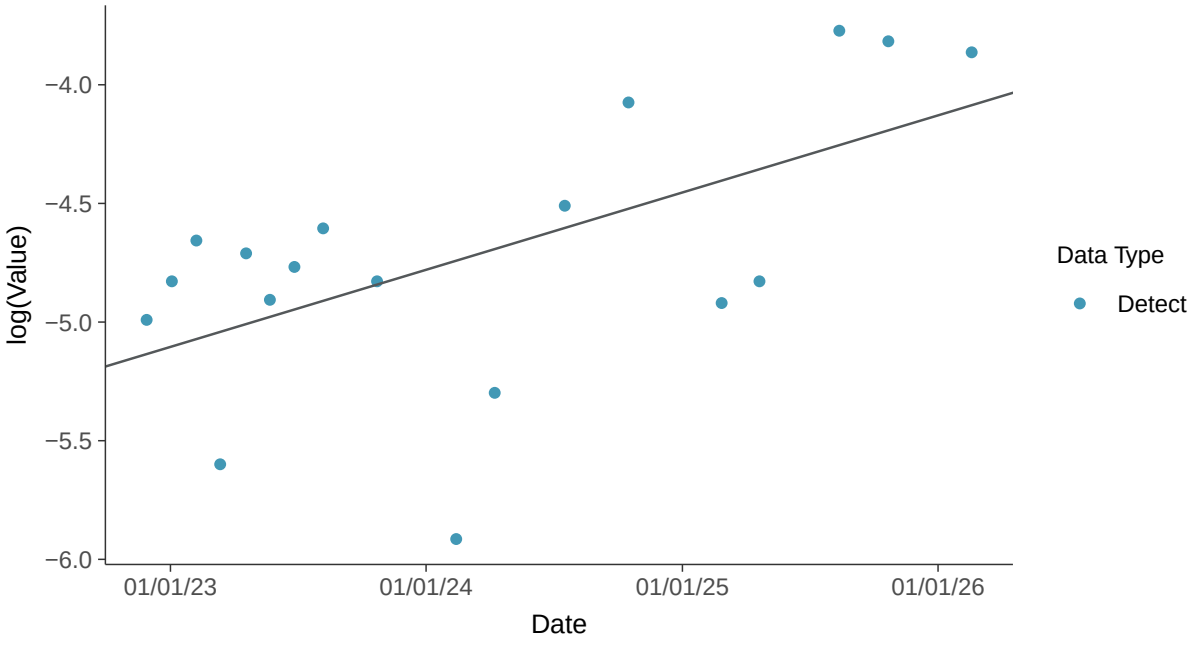
Gamma Q-Q plot

Zinc, MW-12 (mg/L)



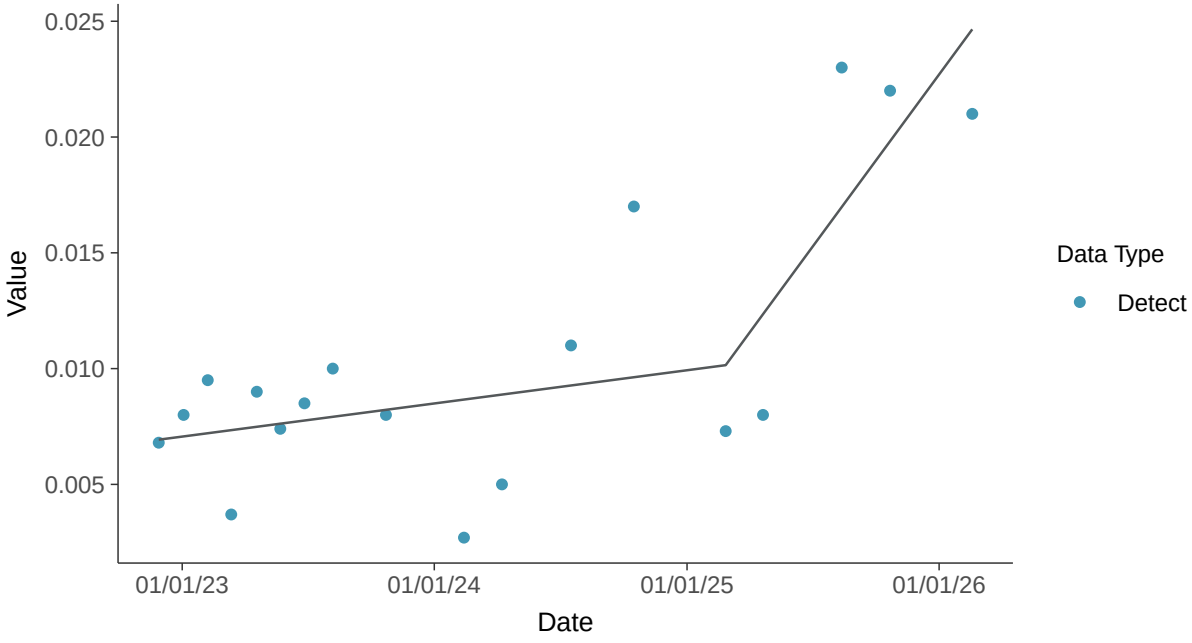
Trend Regression: Lognormal MLE

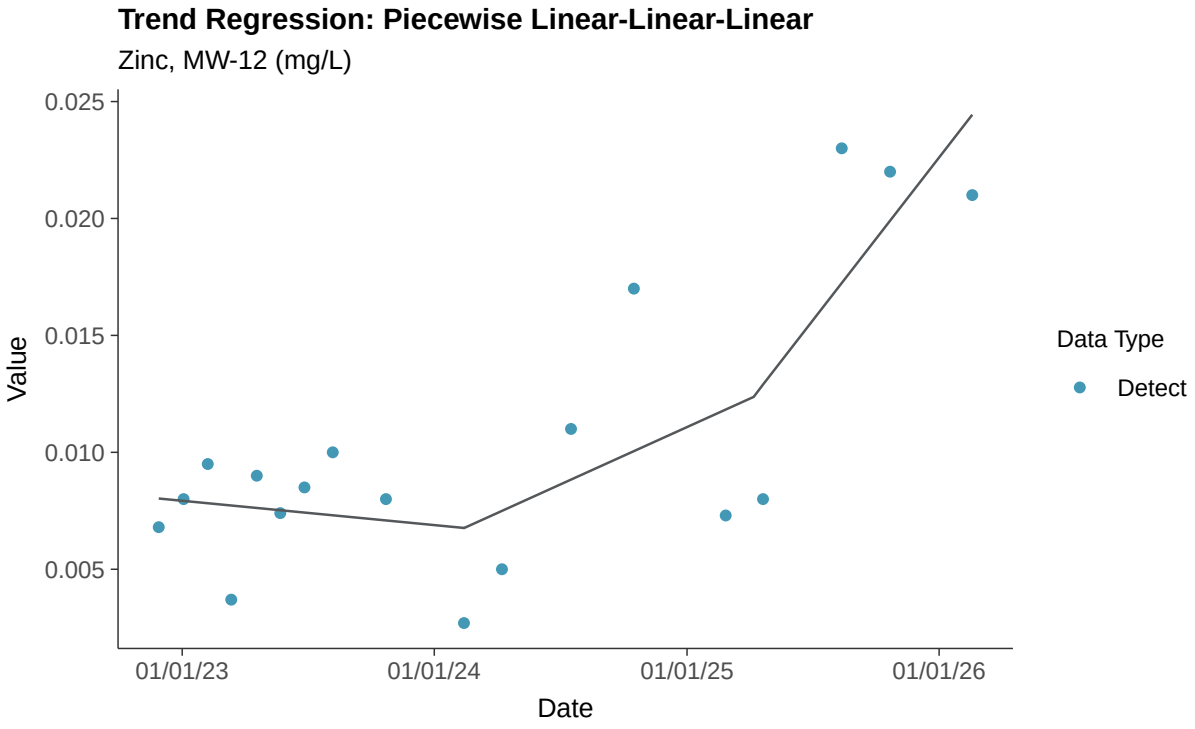
Zinc, MW-12 (mg/L)



Trend Regression: Piecewise Linear-Linear

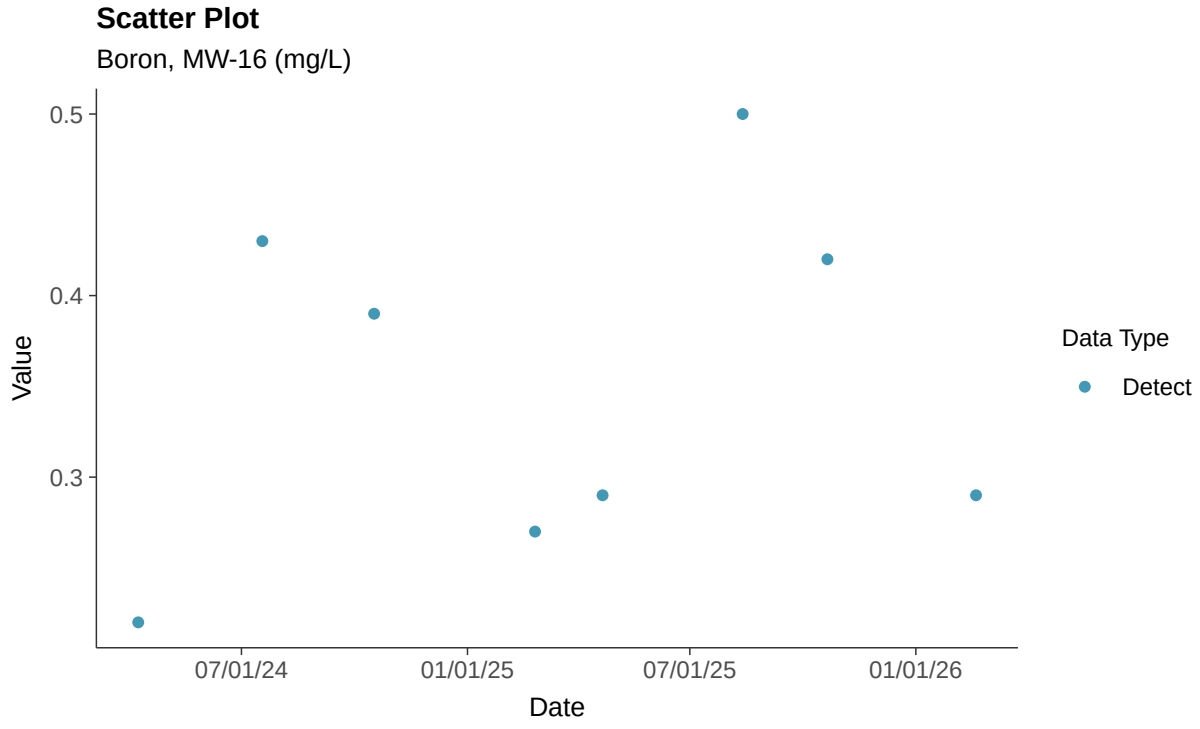
Zinc, MW-12 (mg/L)

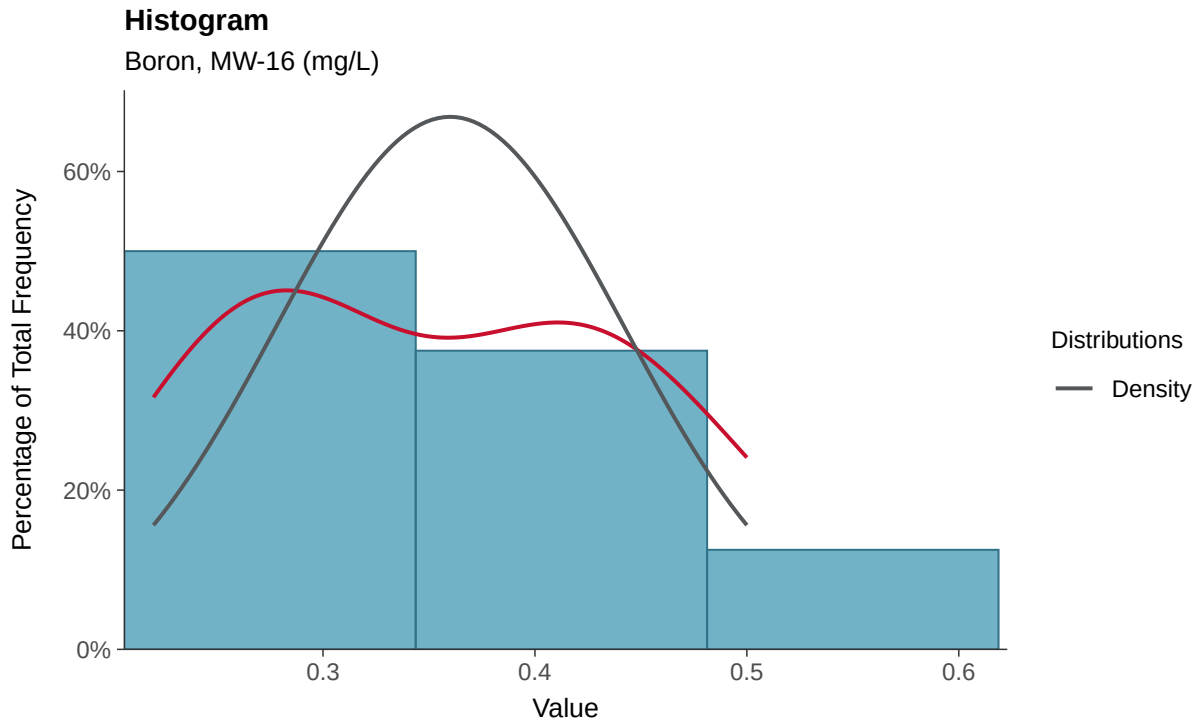



Trend Regression: Piecewise Linear-Linear-Linear
Zinc, MW-12 (mg/L)
0.025
0.020
0.015
0.010
0.005
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Boron, MW-16

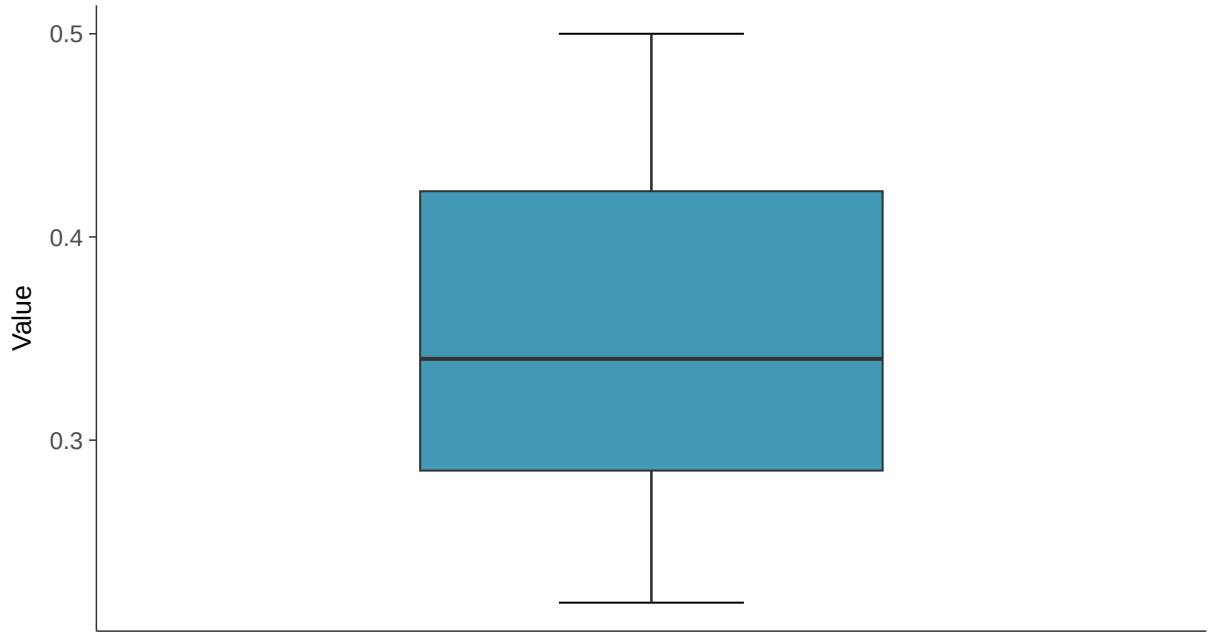
ID: 26_1_3_105





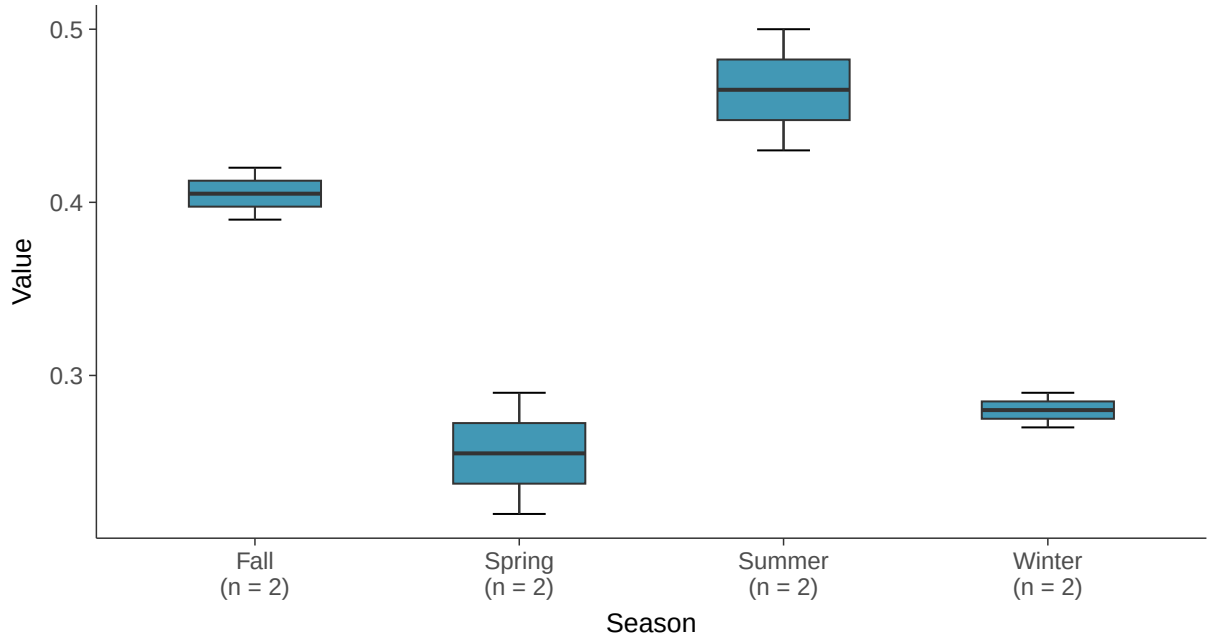
Boxplot

Boron, MW-16 (mg/L)



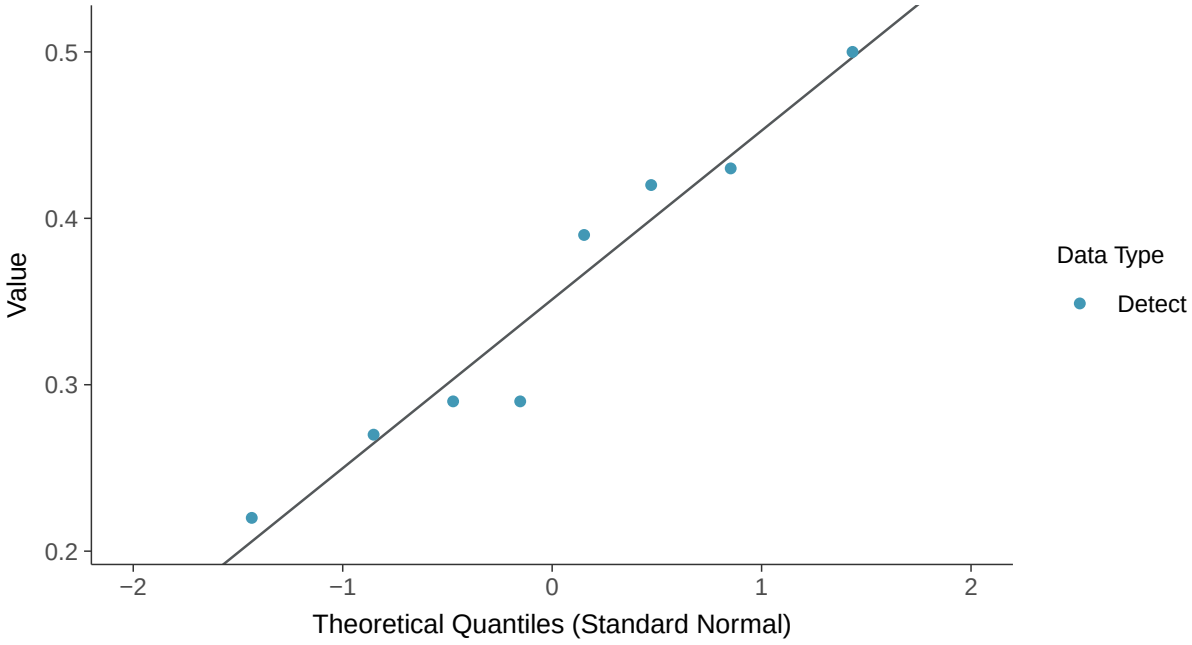
Boxplot by Season

Boron, MW-16 (mg/L)



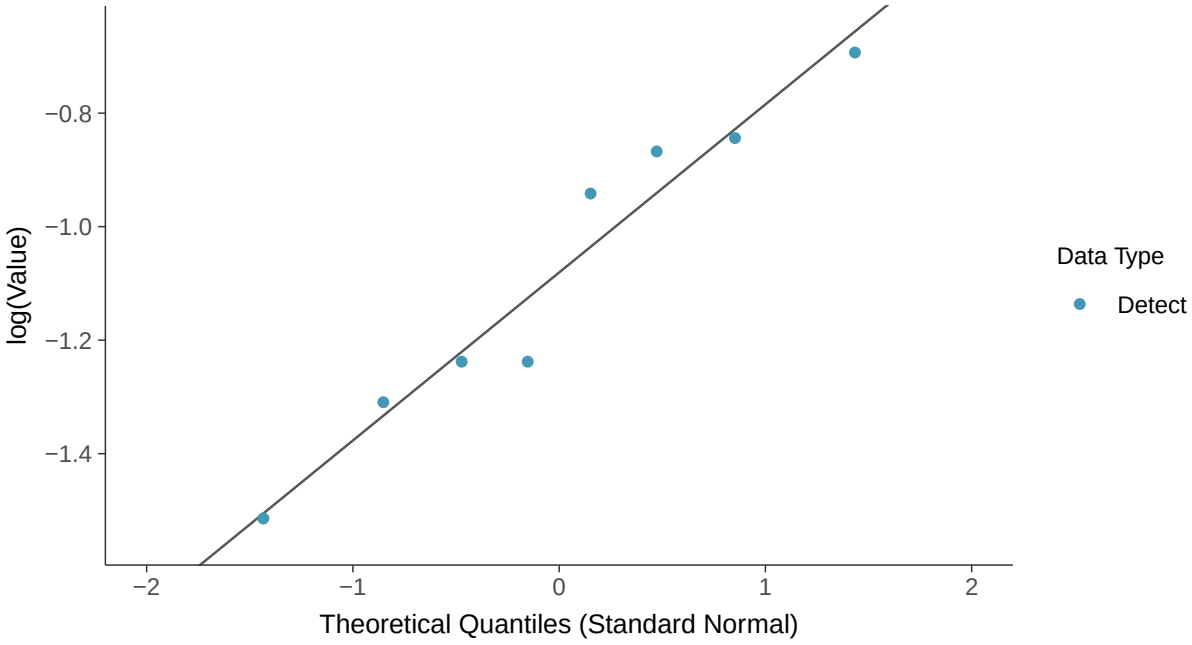
Normal Q-Q plot

Boron, MW-16 (mg/L)



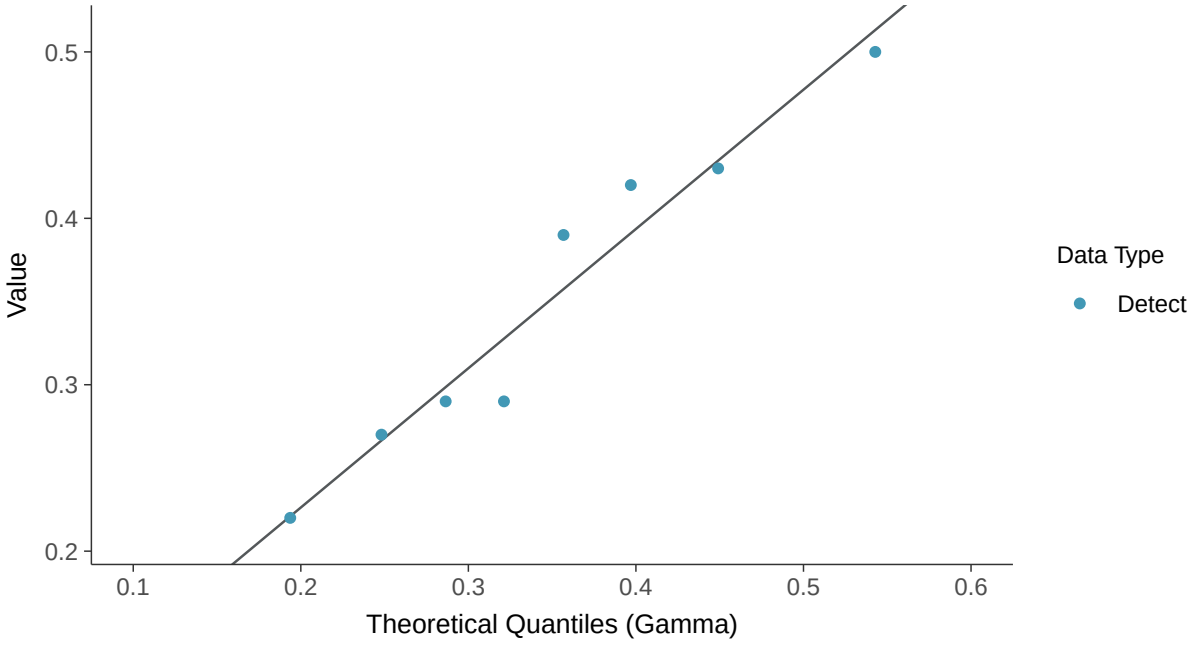
Lognormal Q-Q plot

Boron, MW-16 (mg/L)



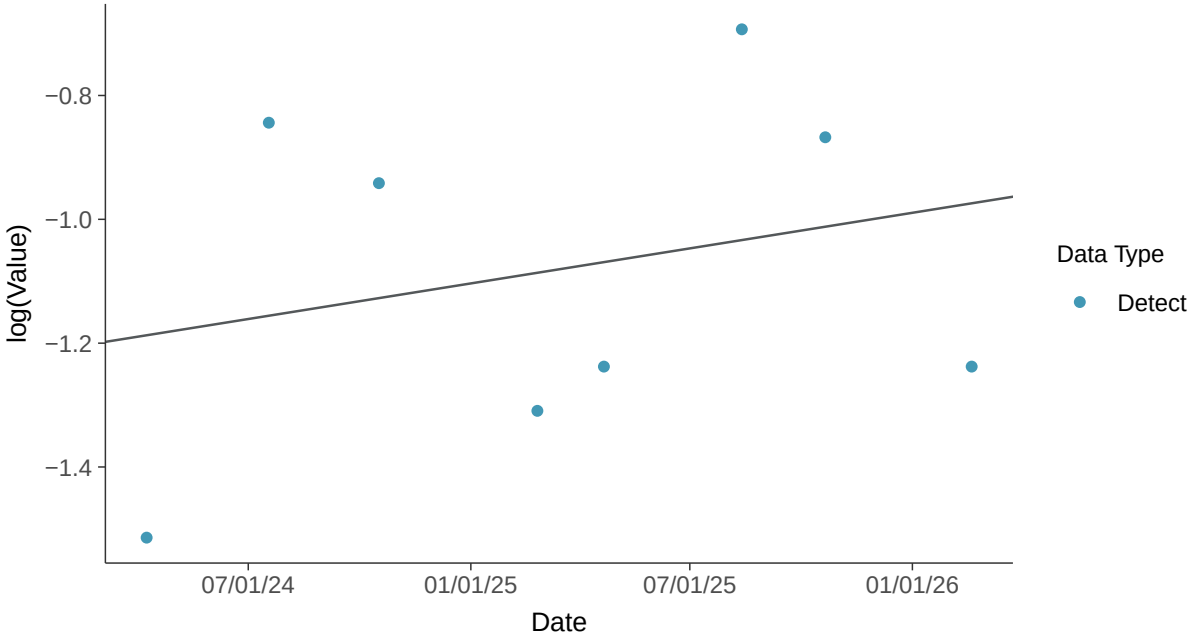
Gamma Q-Q plot

Boron, MW-16 (mg/L)



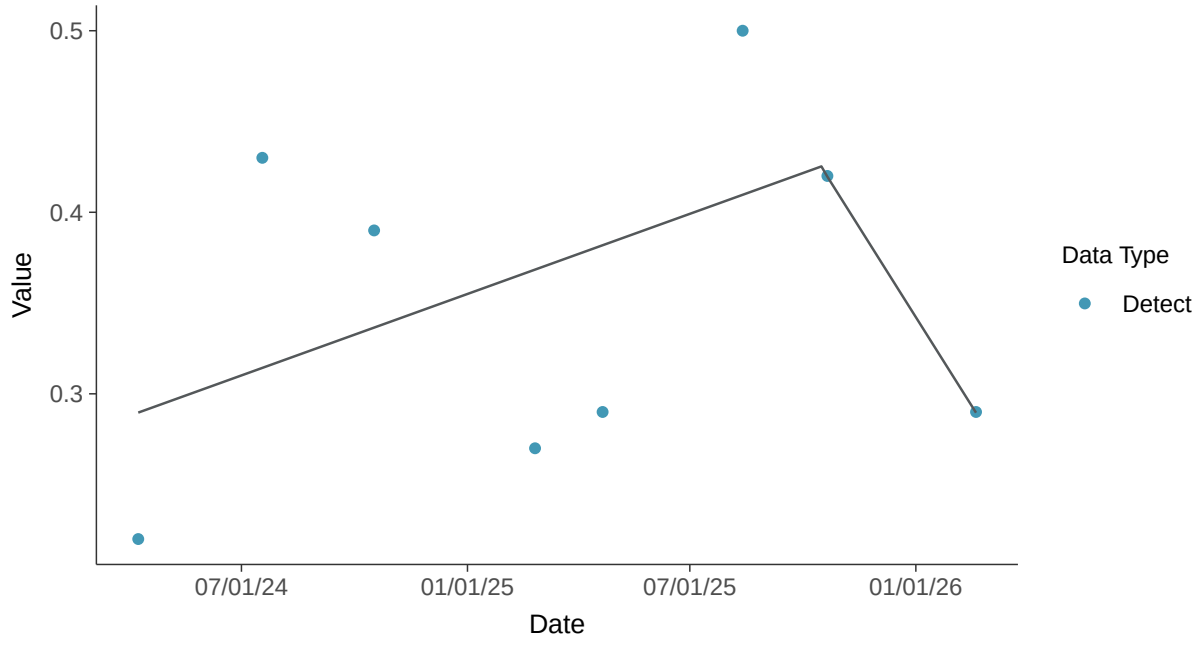
Trend Regression: Lognormal MLE

Boron, MW-16 (mg/L)



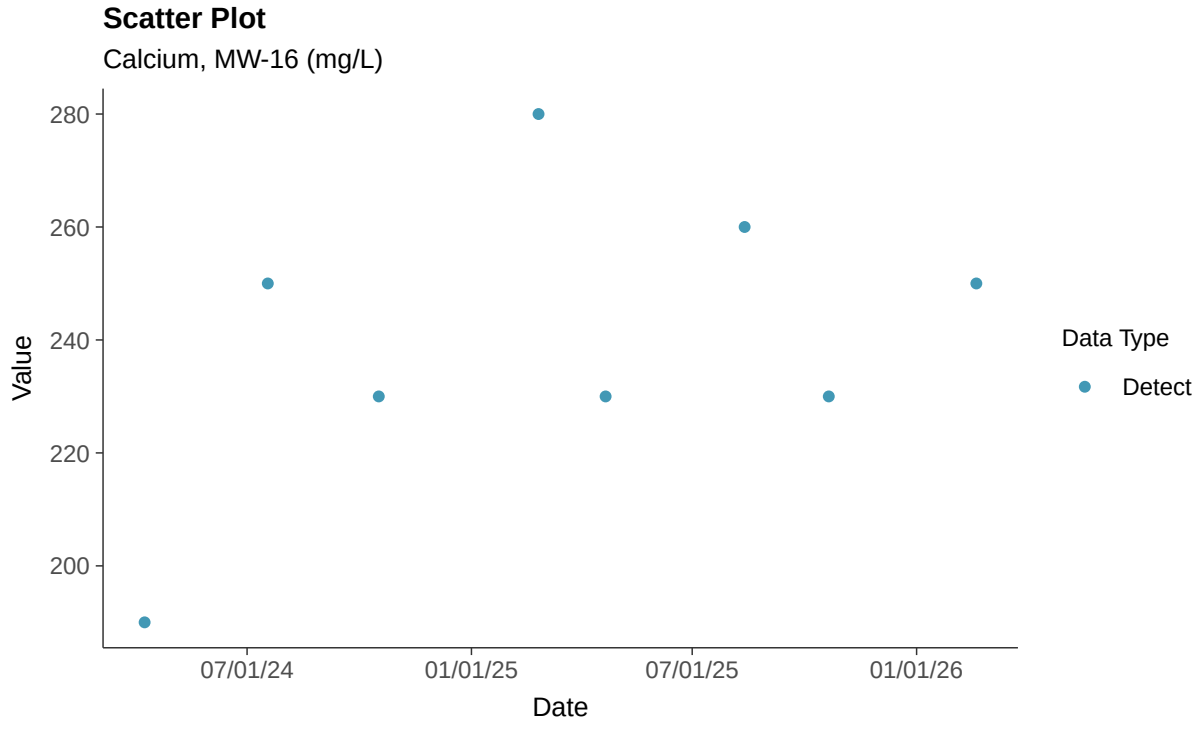
Trend Regression: Piecewise Linear-Linear

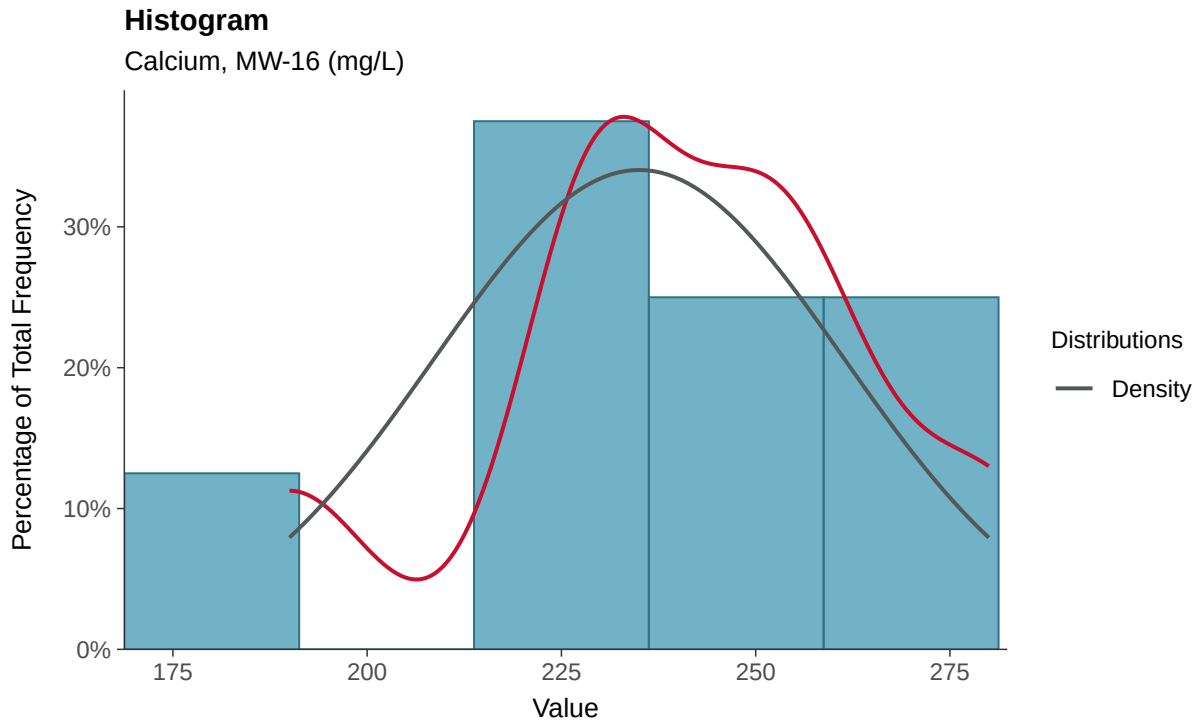
Boron, MW-16 (mg/L)



Appendix III: Calcium, MW-16

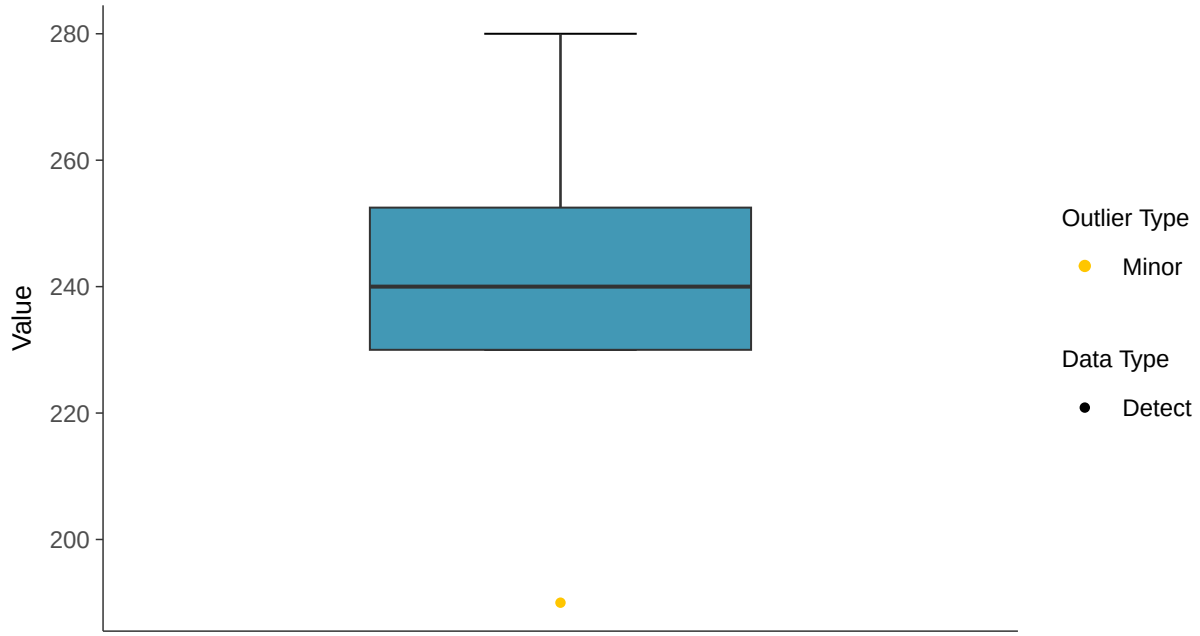
ID: 26_1_3_107





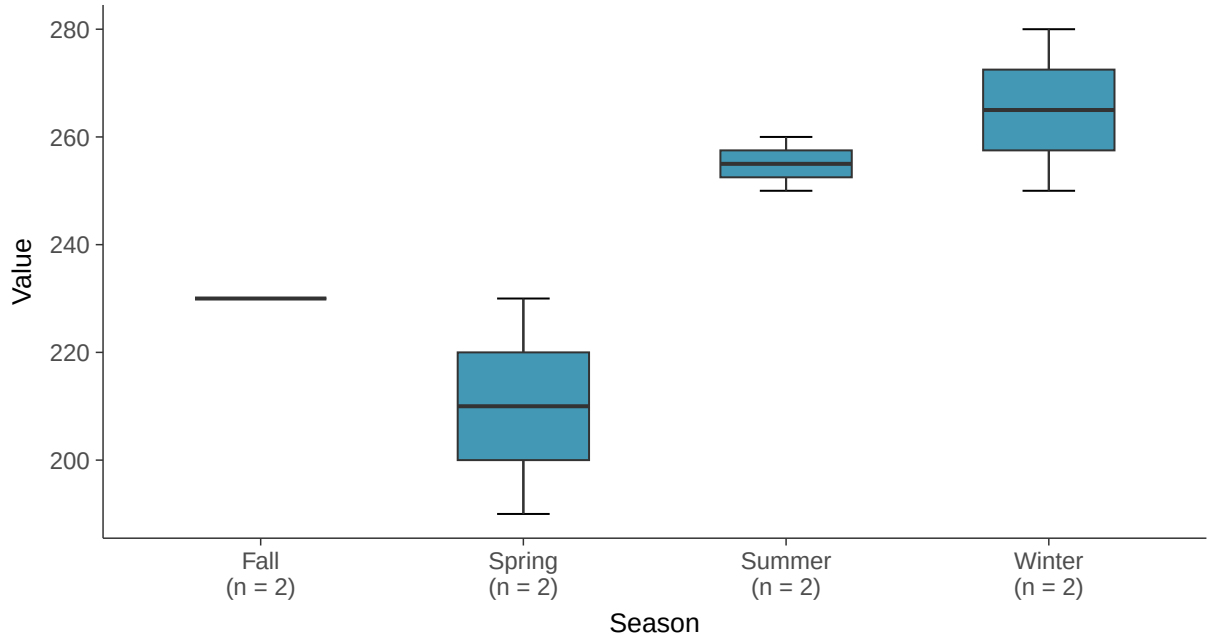
Boxplot

Calcium, MW-16 (mg/L)



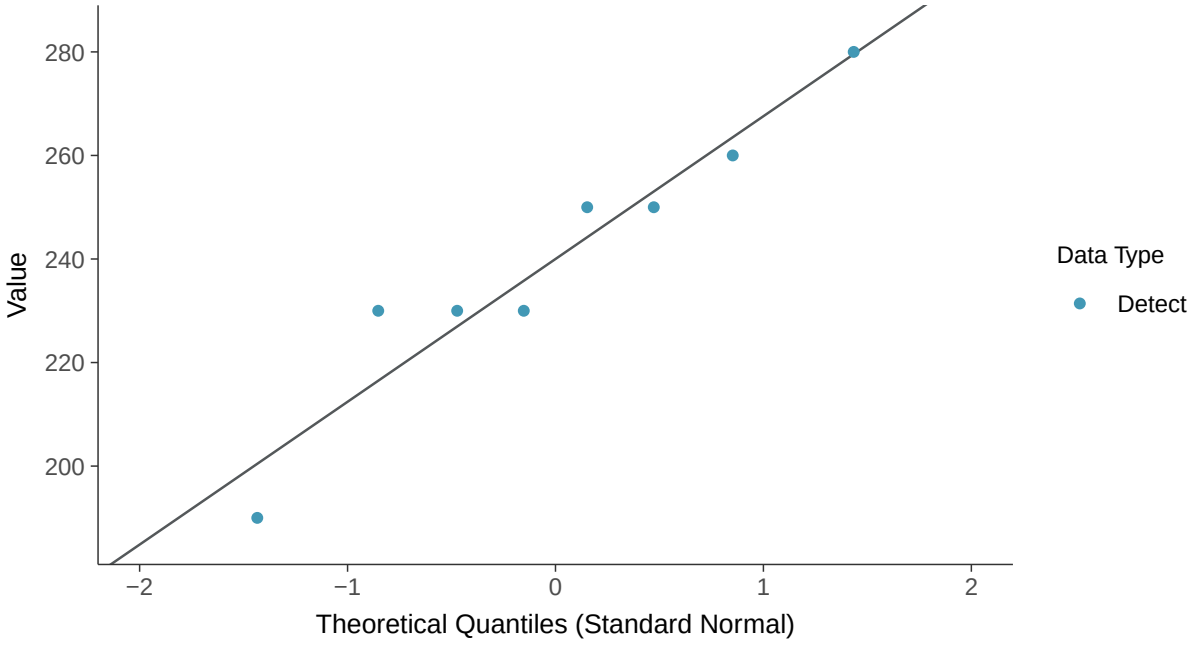
Boxplot by Season

Calcium, MW-16 (mg/L)



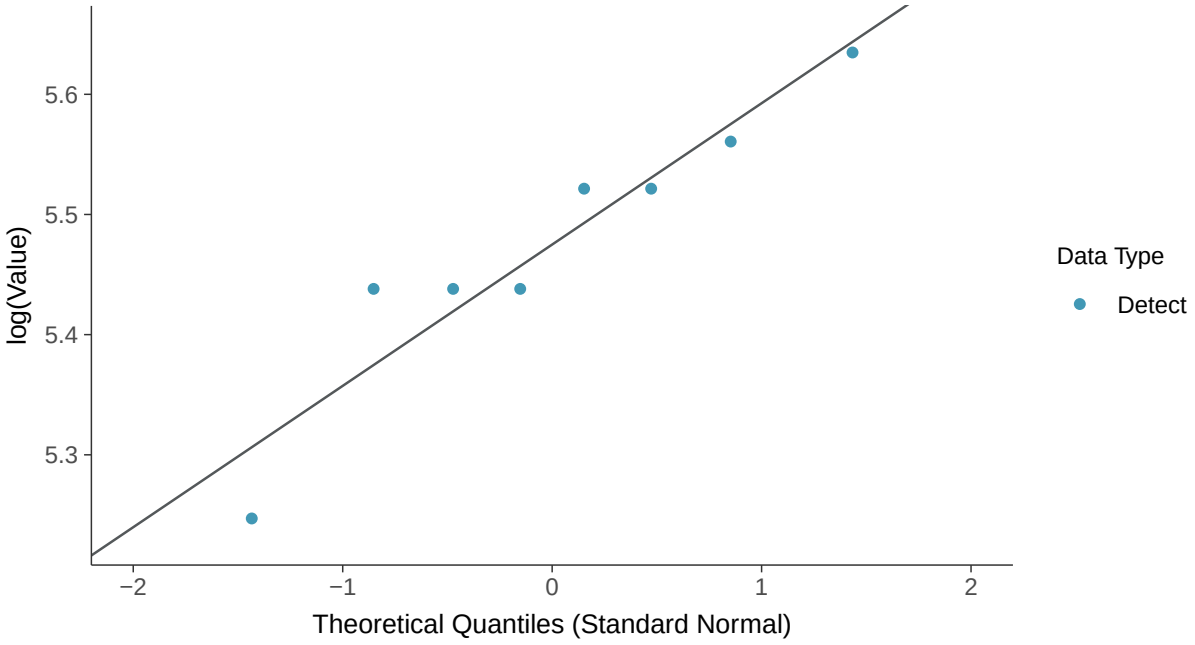
Normal Q-Q plot

Calcium, MW-16 (mg/L)



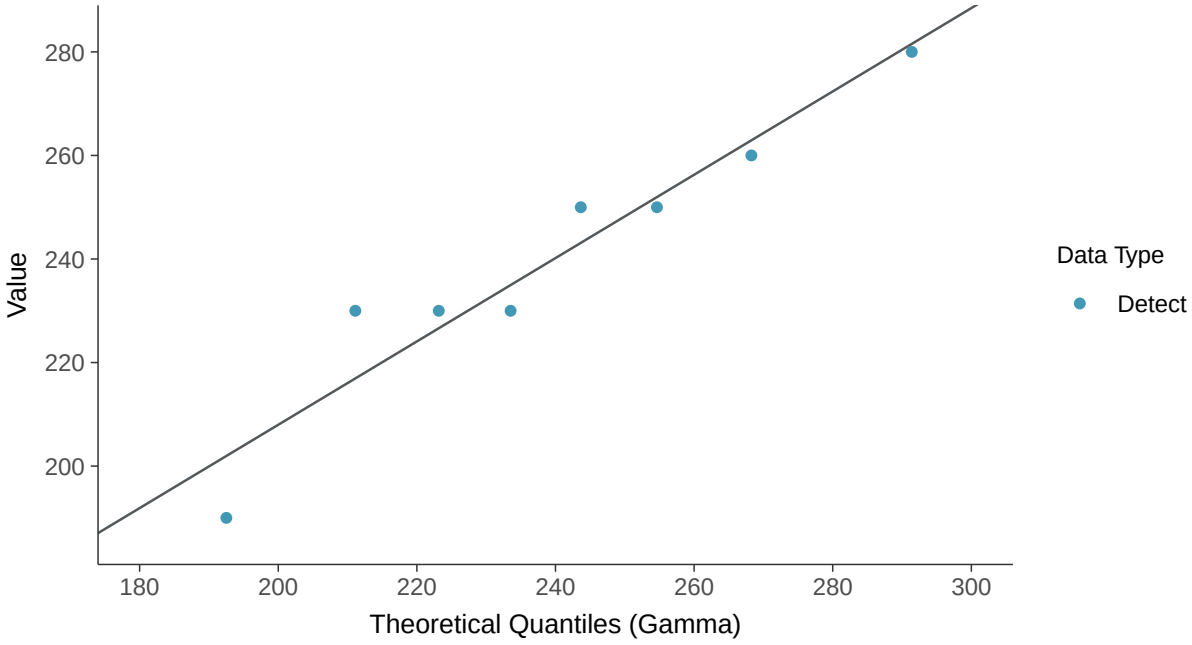
Lognormal Q-Q plot

Calcium, MW-16 (mg/L)



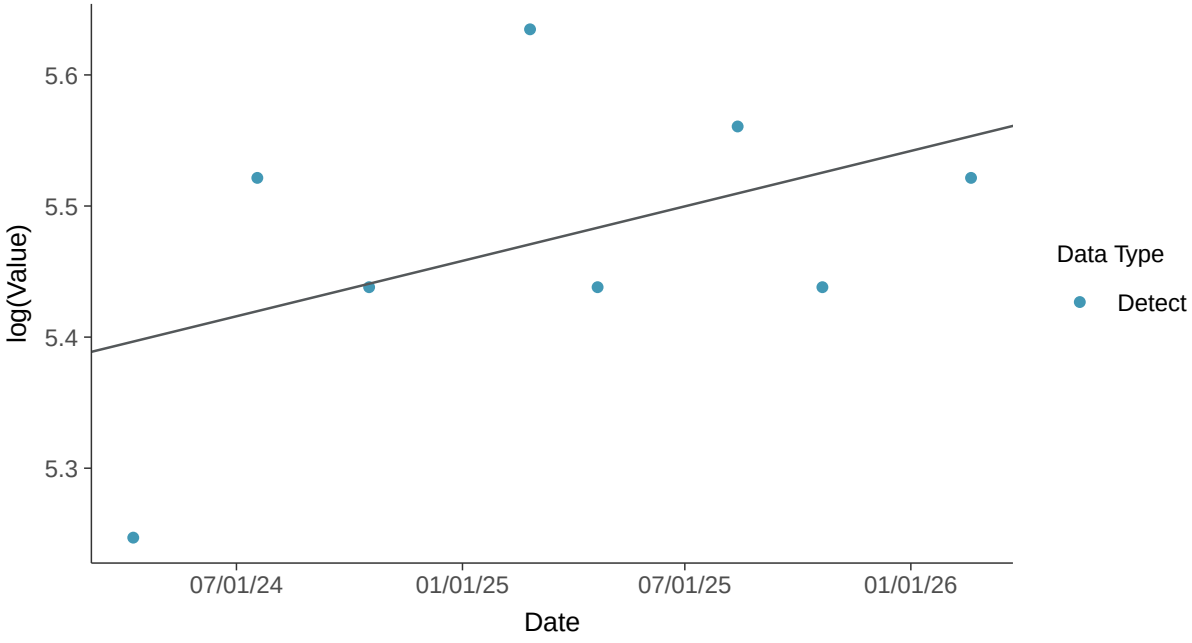
Gamma Q-Q plot

Calcium, MW-16 (mg/L)



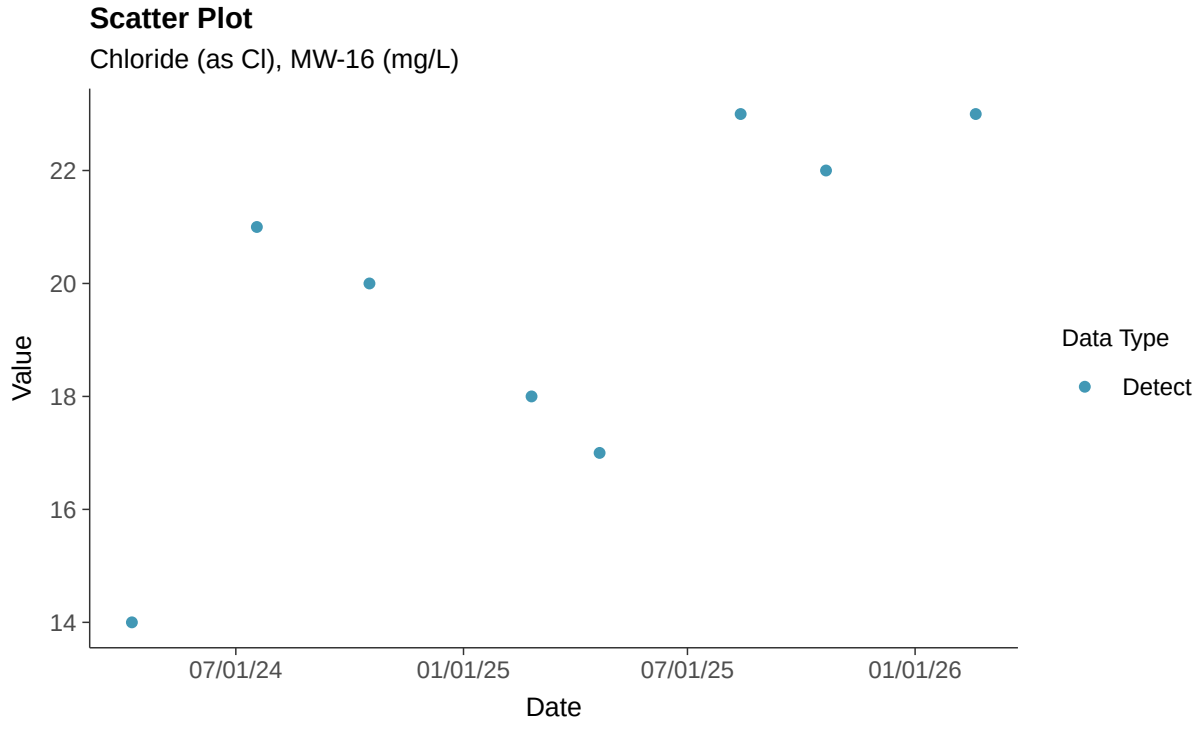
Trend Regression: Lognormal MLE

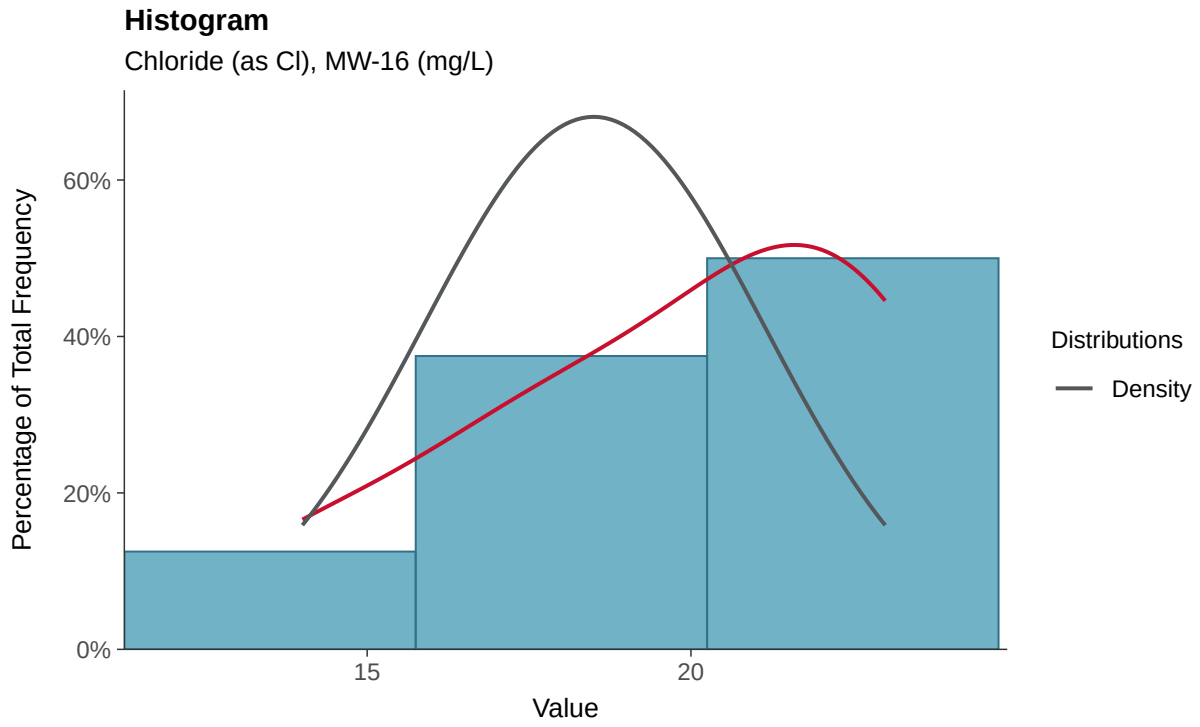
Calcium, MW-16 (mg/L)



Appendix III: Chloride (as Cl), MW-16

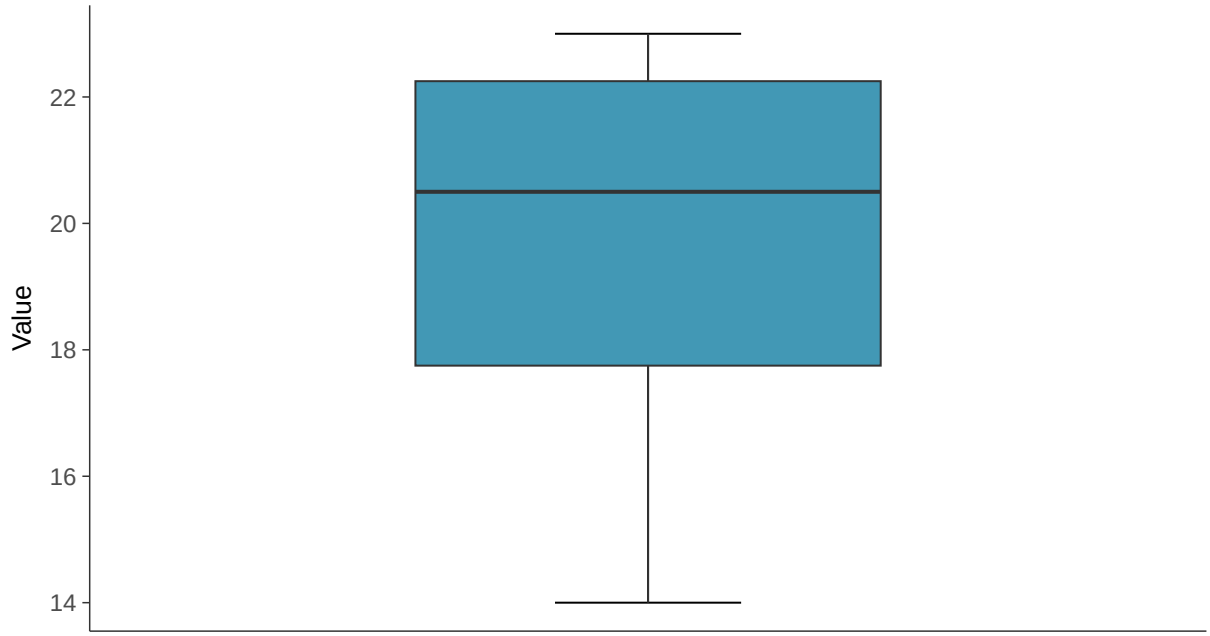
ID: 26_1_3_108





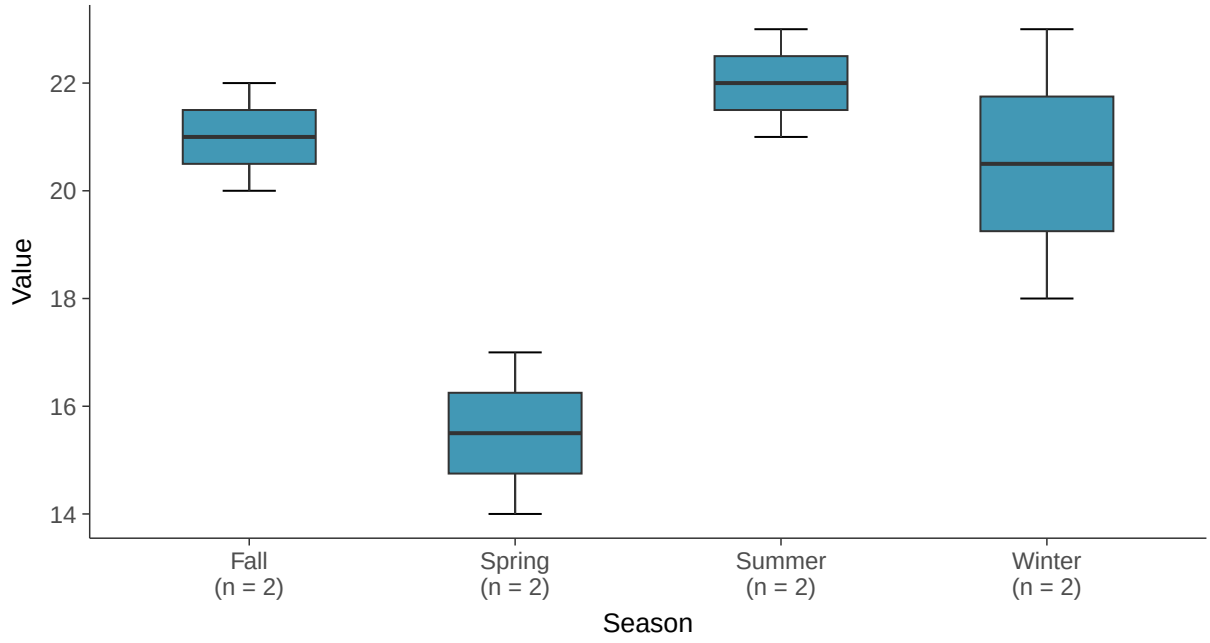
Boxplot

Chloride (as Cl), MW-16 (mg/L)



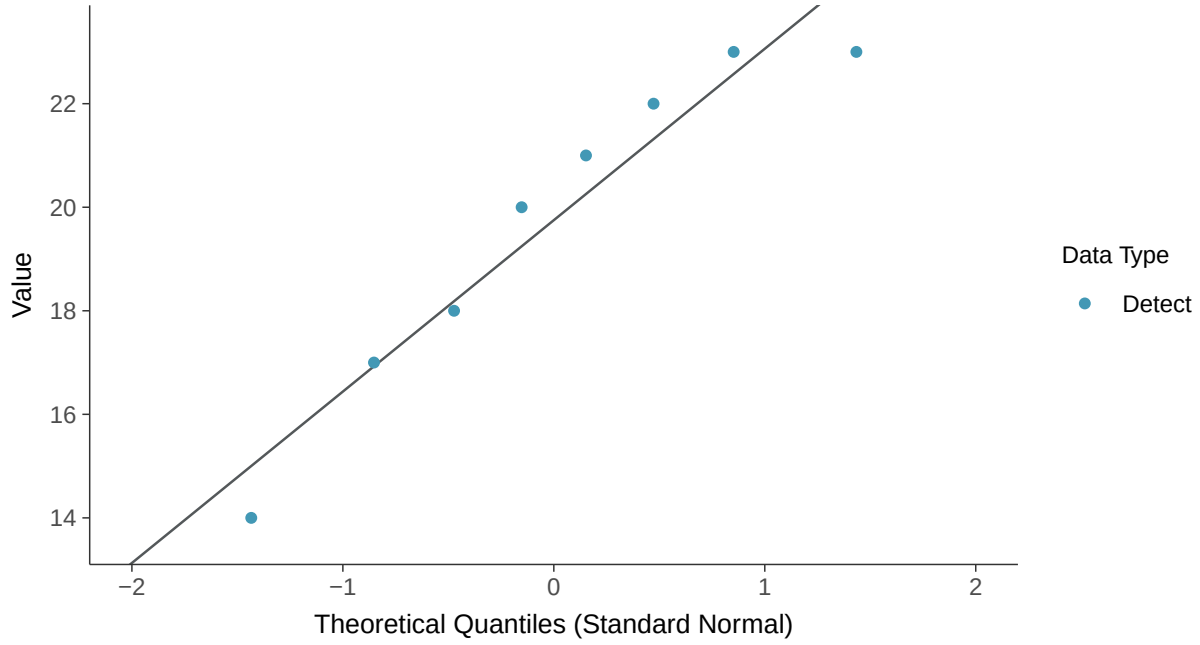
Boxplot by Season

Chloride (as Cl), MW-16 (mg/L)



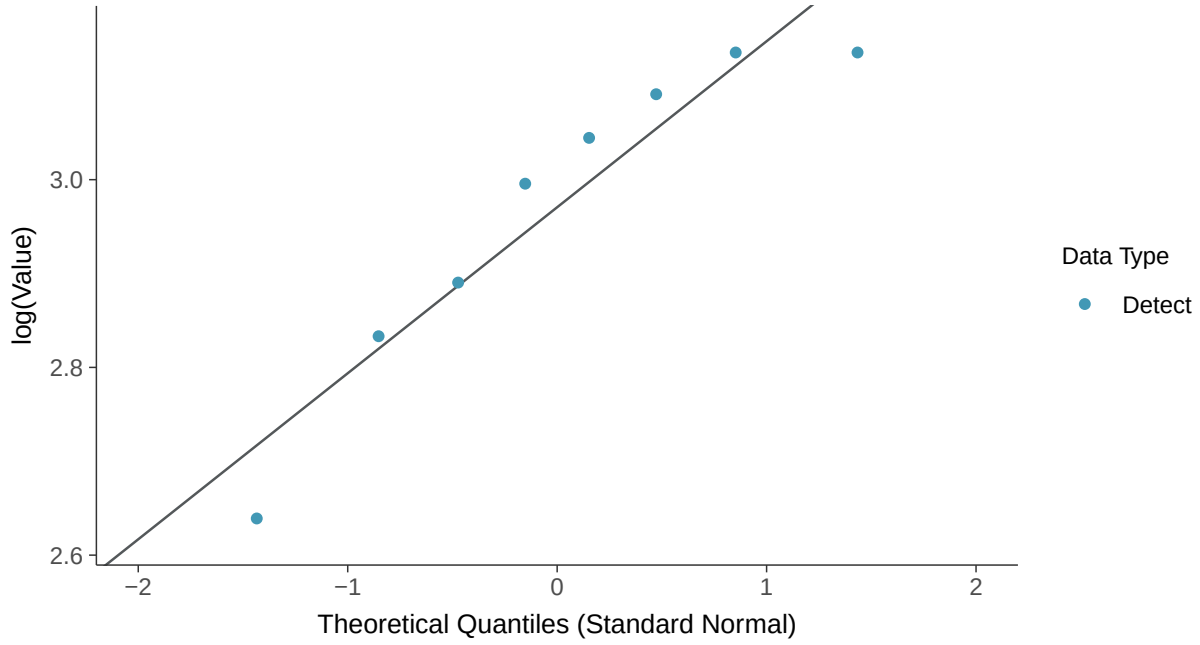
Normal Q-Q plot

Chloride (as Cl), MW-16 (mg/L)



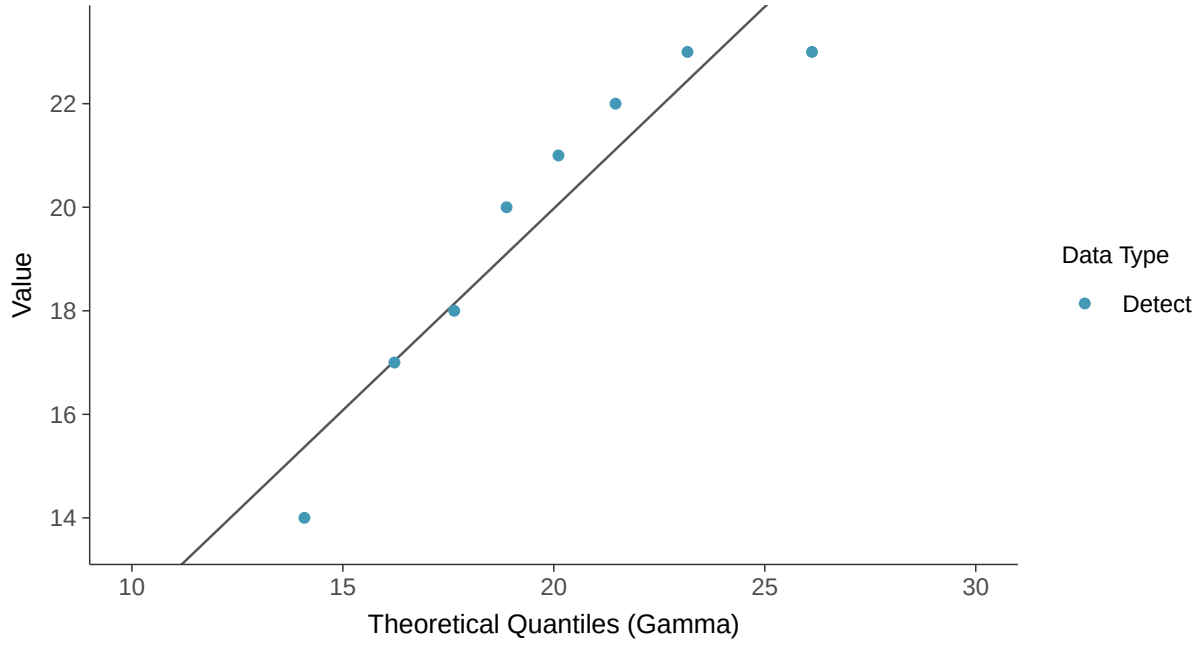
Lognormal Q-Q plot

Chloride (as Cl), MW-16 (mg/L)



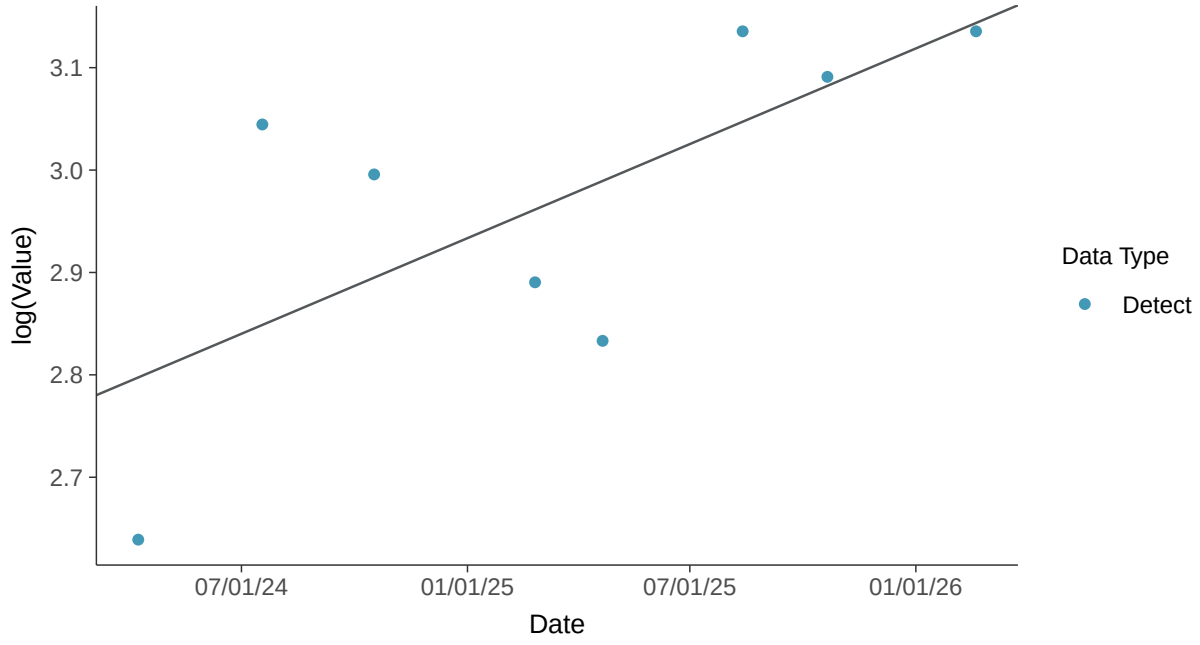
Gamma Q-Q plot

Chloride (as Cl), MW-16 (mg/L)



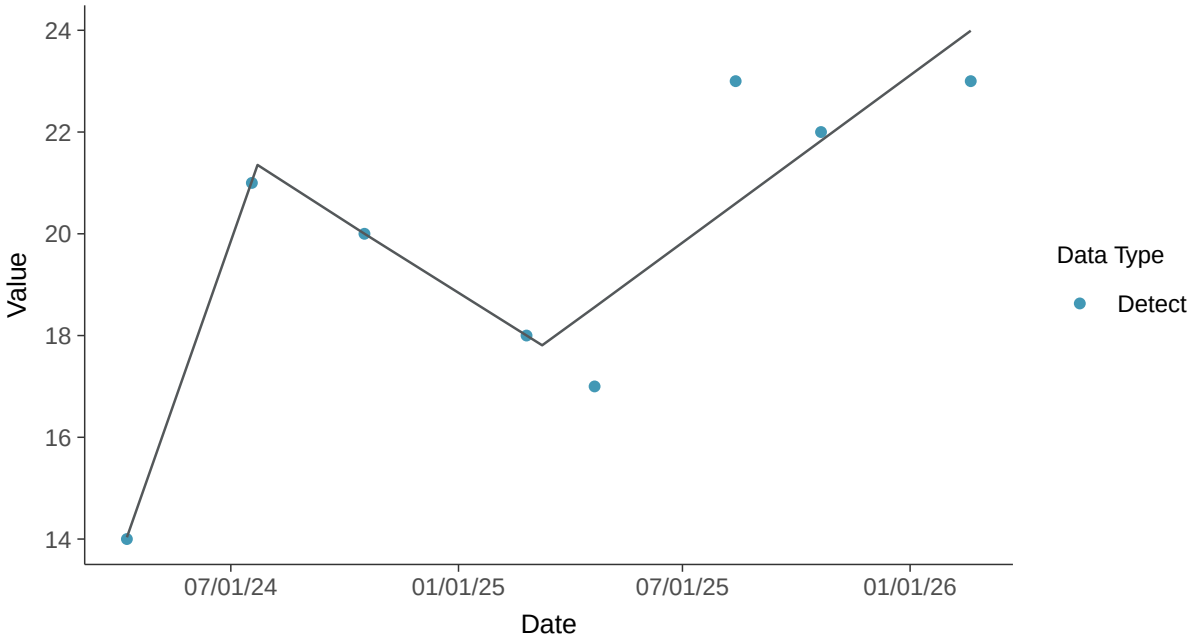
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-16 (mg/L)



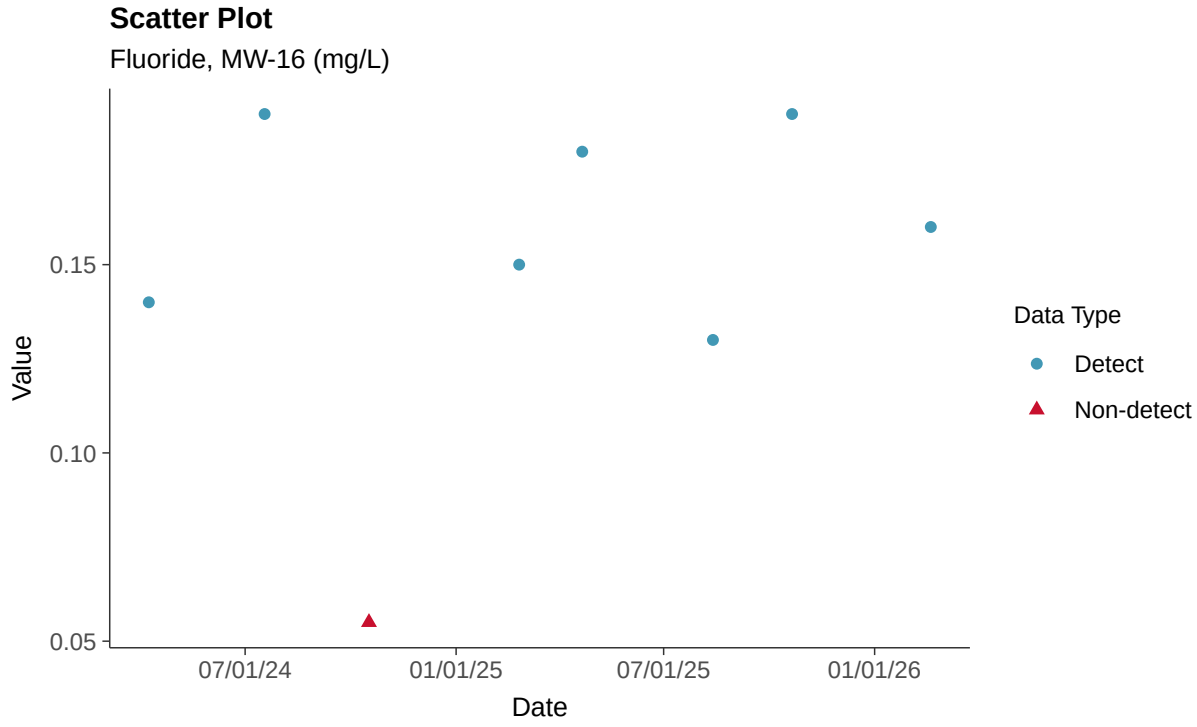
Trend Regression: Piecewise Linear-Linear-Linear

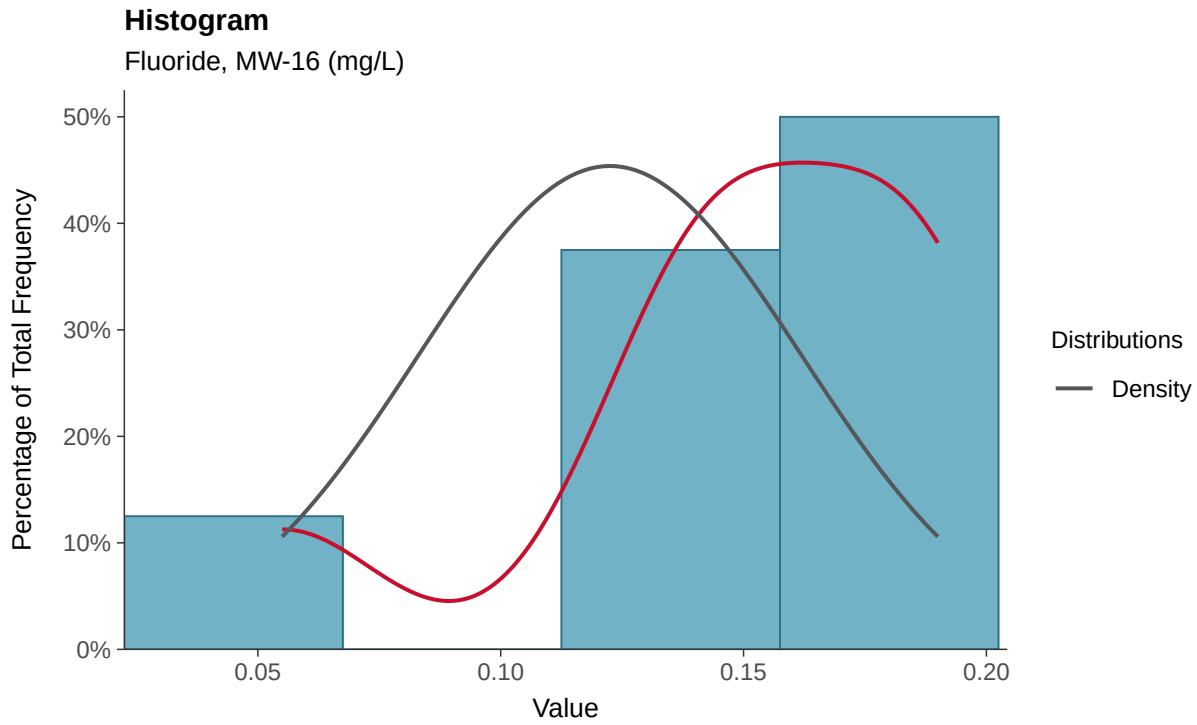
Chloride (as Cl), MW-16 (mg/L)



Appendix III: Fluoride, MW-16

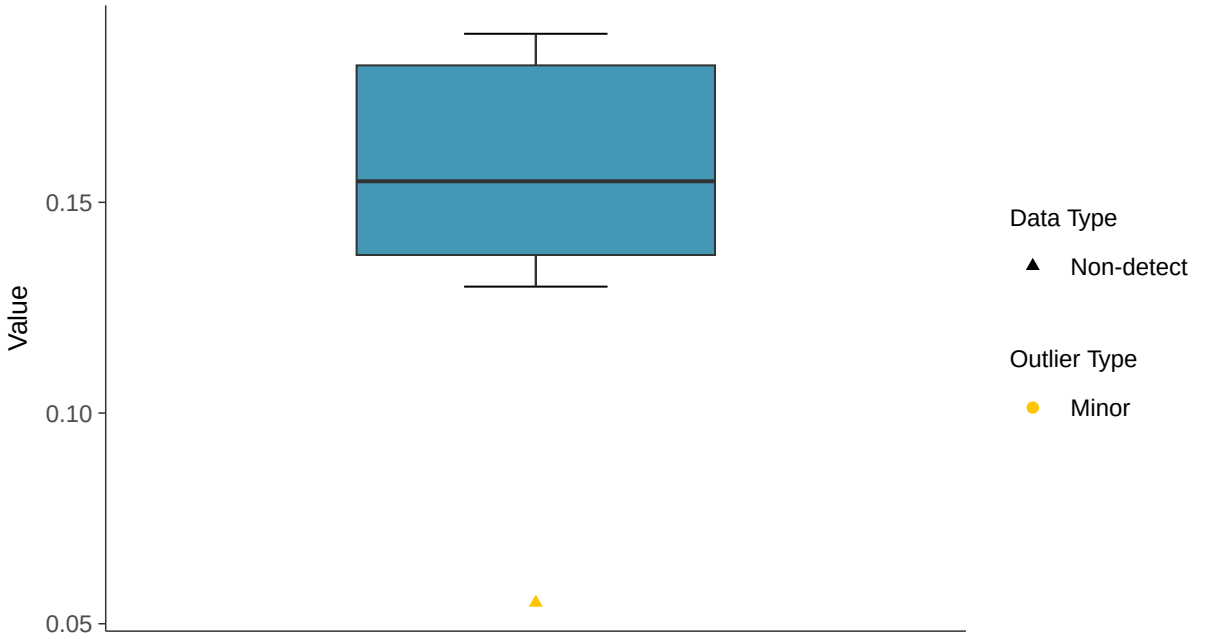
ID: 26_1_3_112





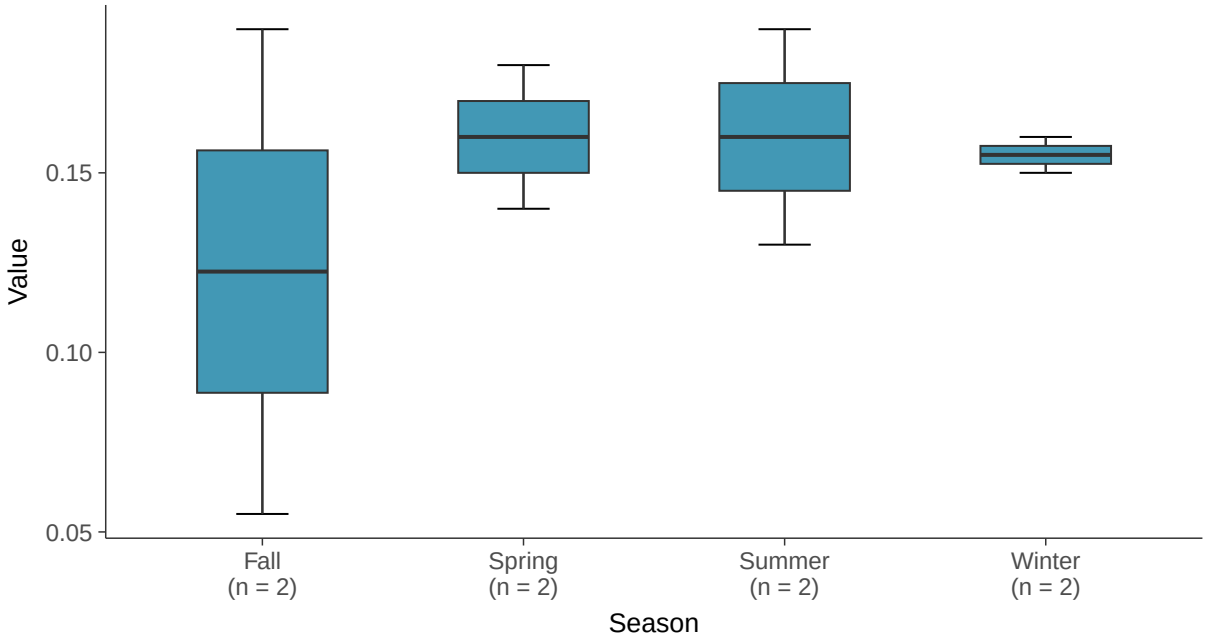
Boxplot

Fluoride, MW-16 (mg/L)



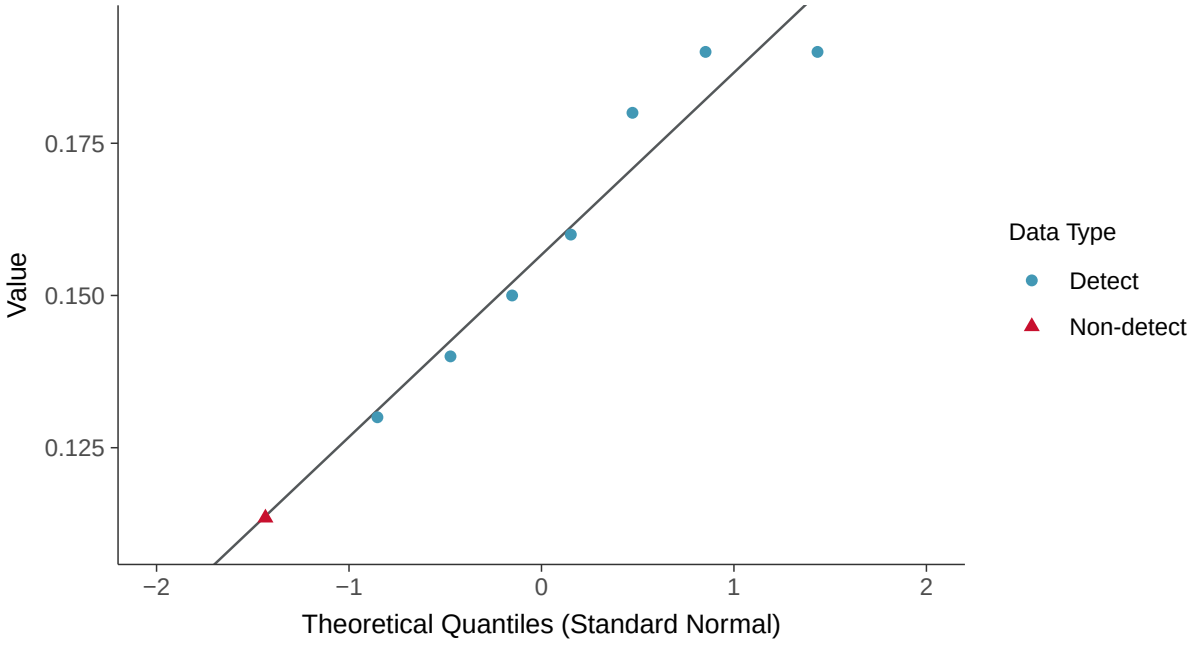
Boxplot by Season

Fluoride, MW-16 (mg/L)



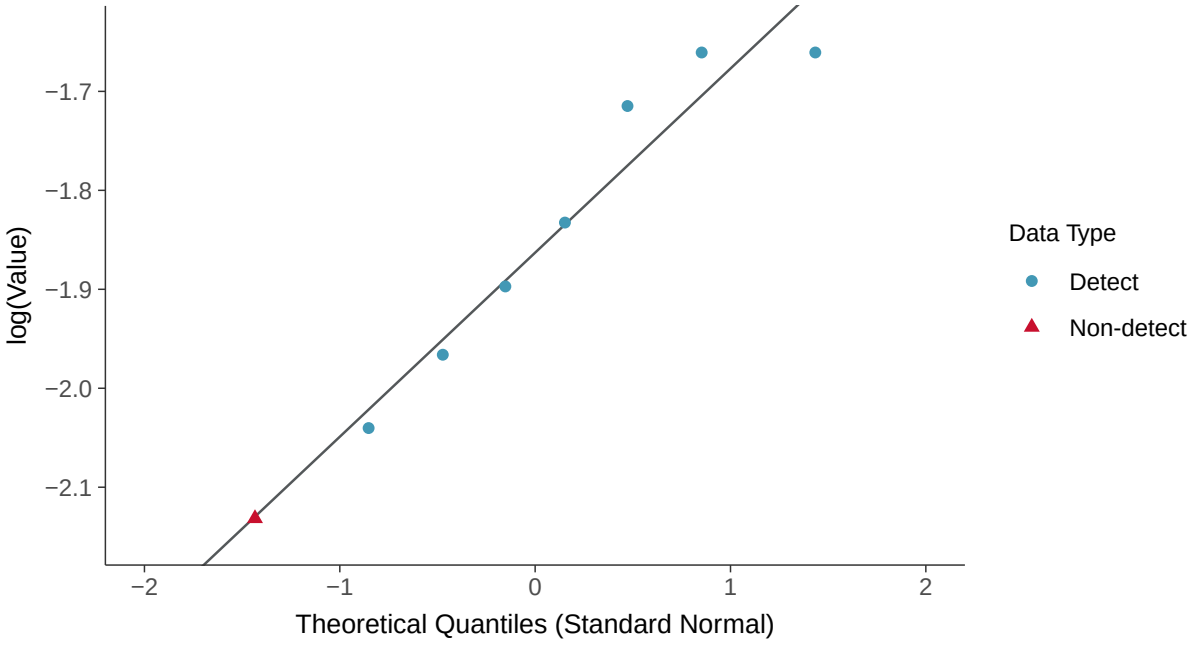
Normal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-16 (mg/L)



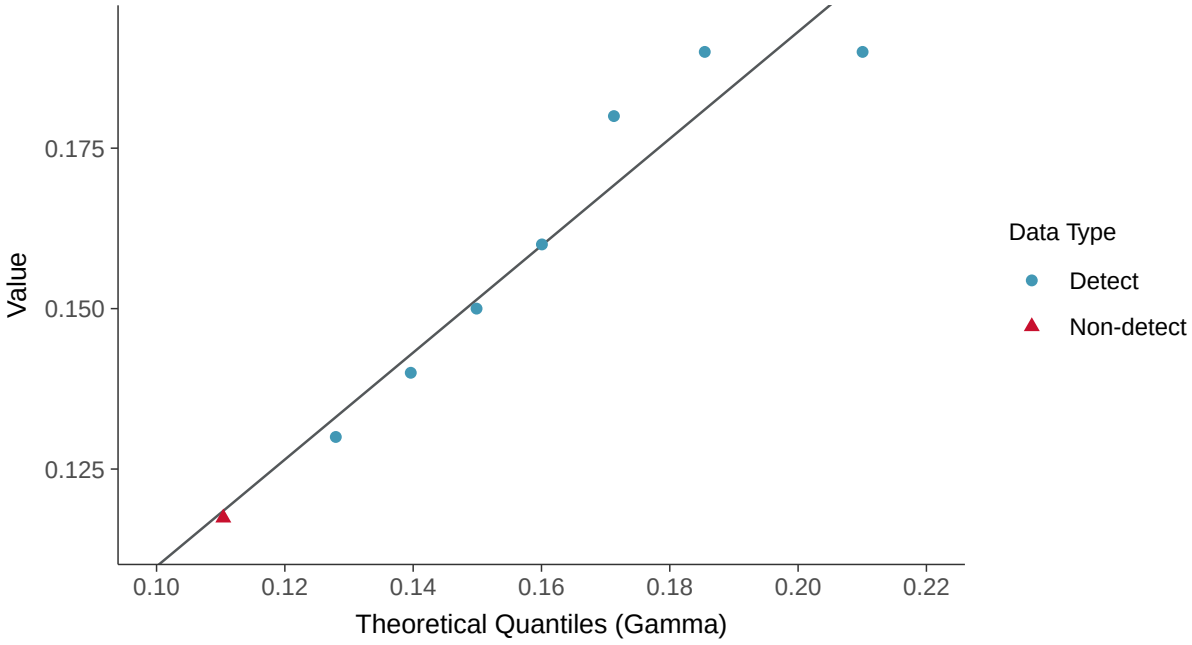
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride, MW-16 (mg/L)



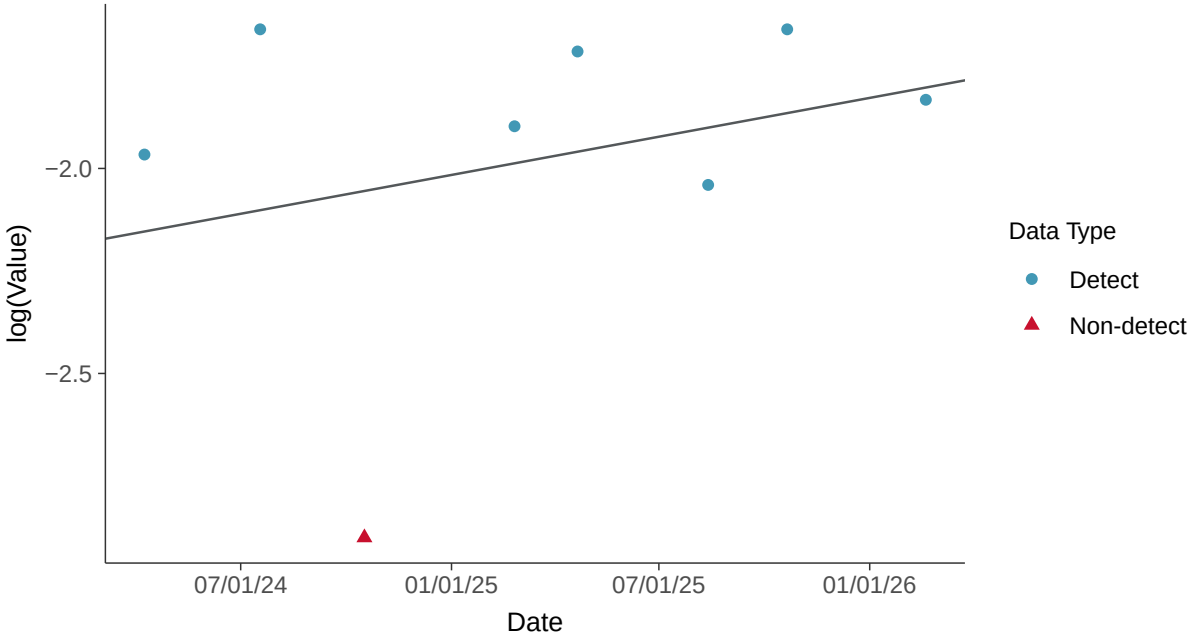
Gamma Q-Q plot using ROS Imputed Estimates

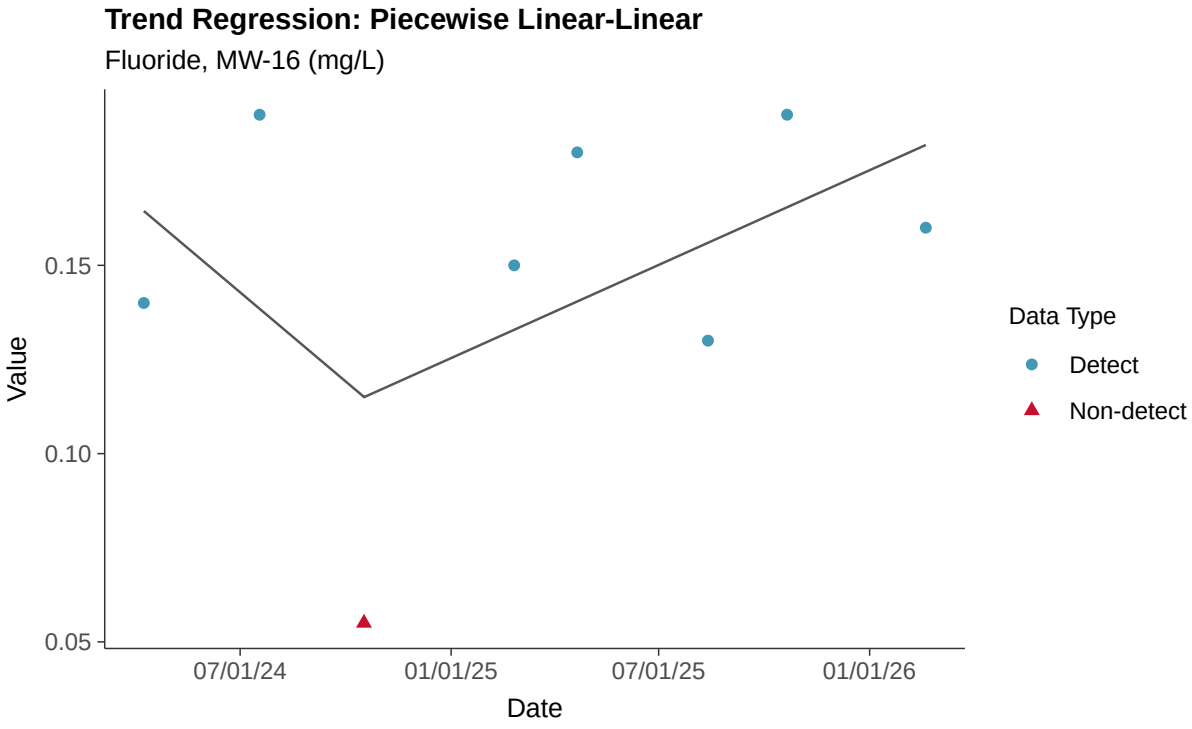
Fluoride, MW-16 (mg/L)



Trend Regression: Lognormal MLE

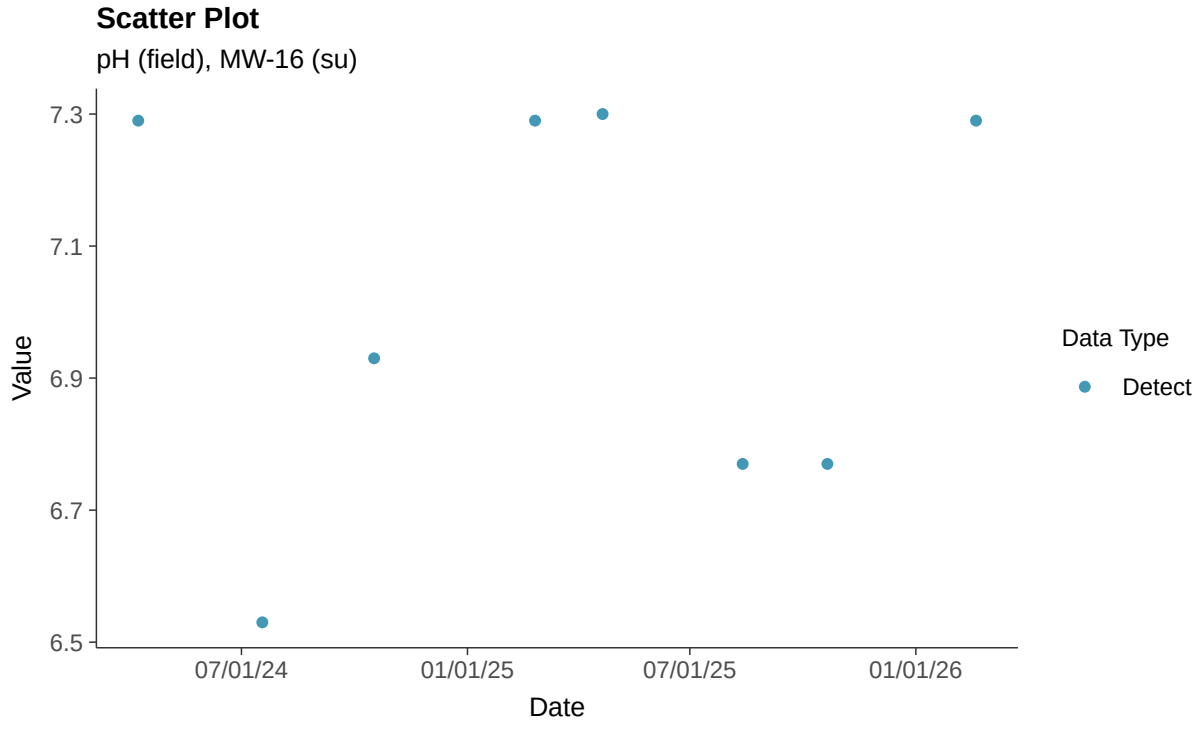
Fluoride, MW-16 (mg/L)

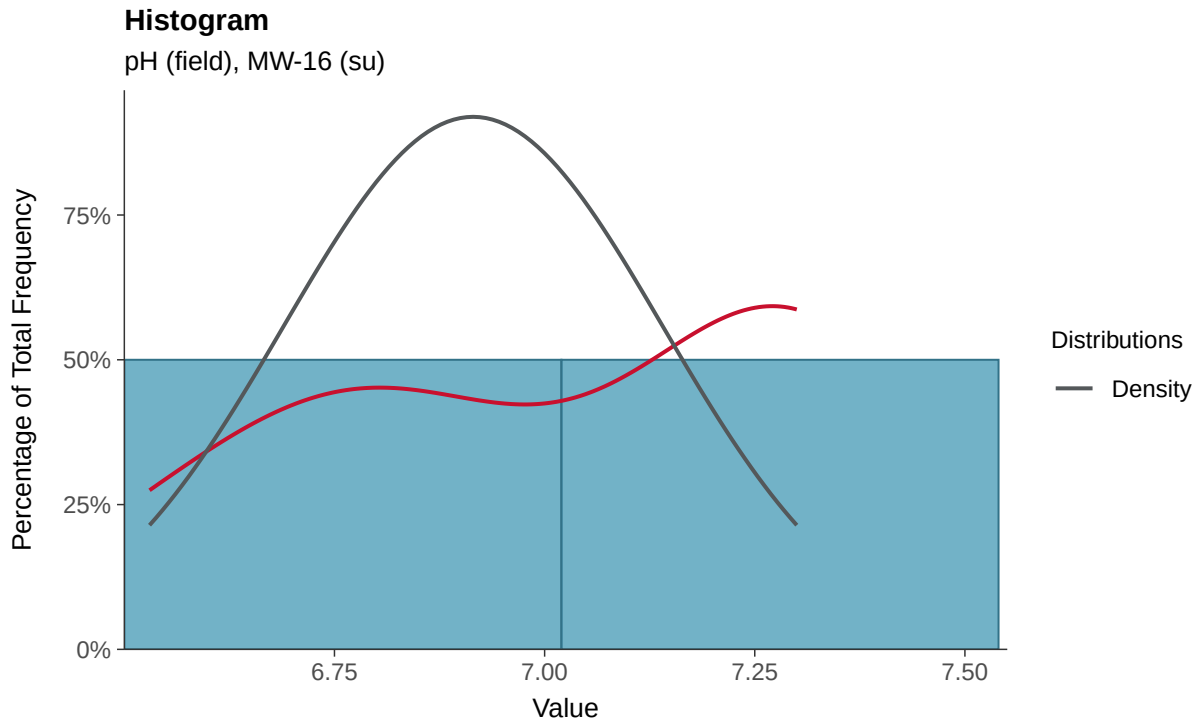



Trend Regression: Piecewise Linear-Linear
Fluoride, MW-16 (mg/L)
Value
0.15
0.10
0.05
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: pH (field), MW-16

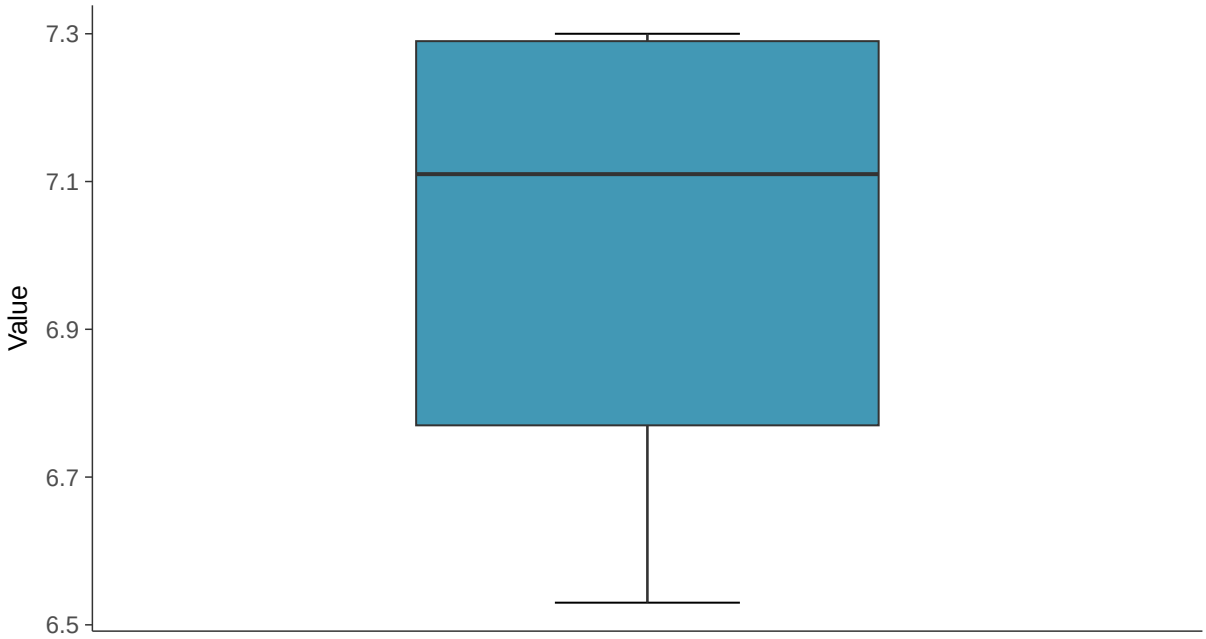
ID: 26_1_3_120





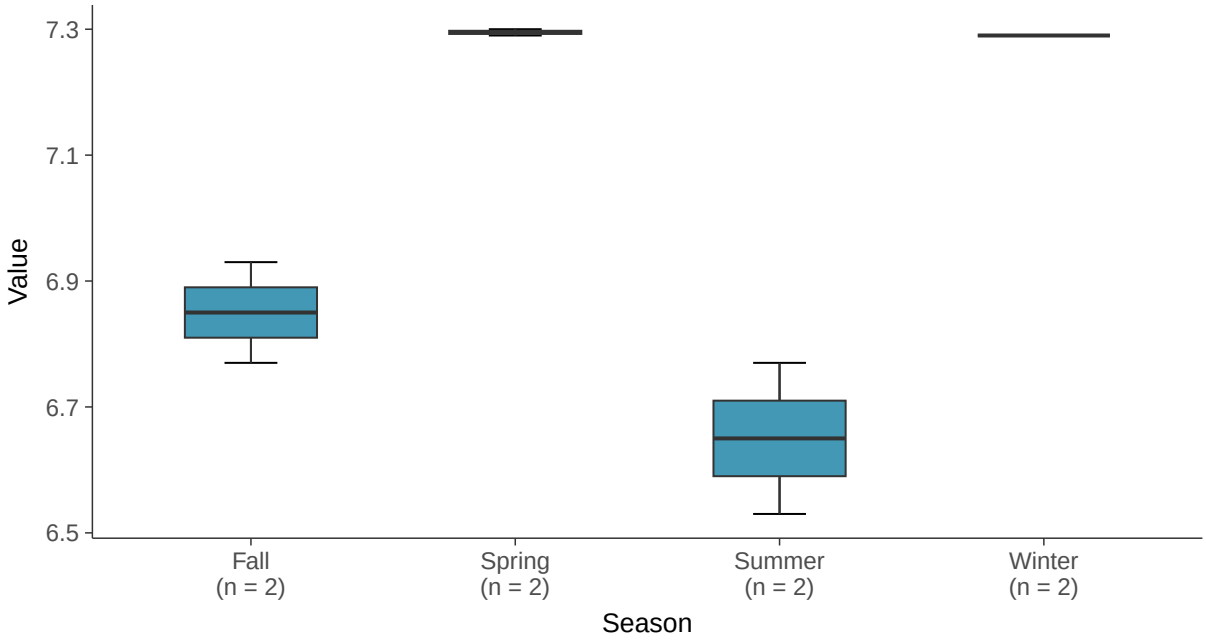
Boxplot

pH (field), MW-16 (su)



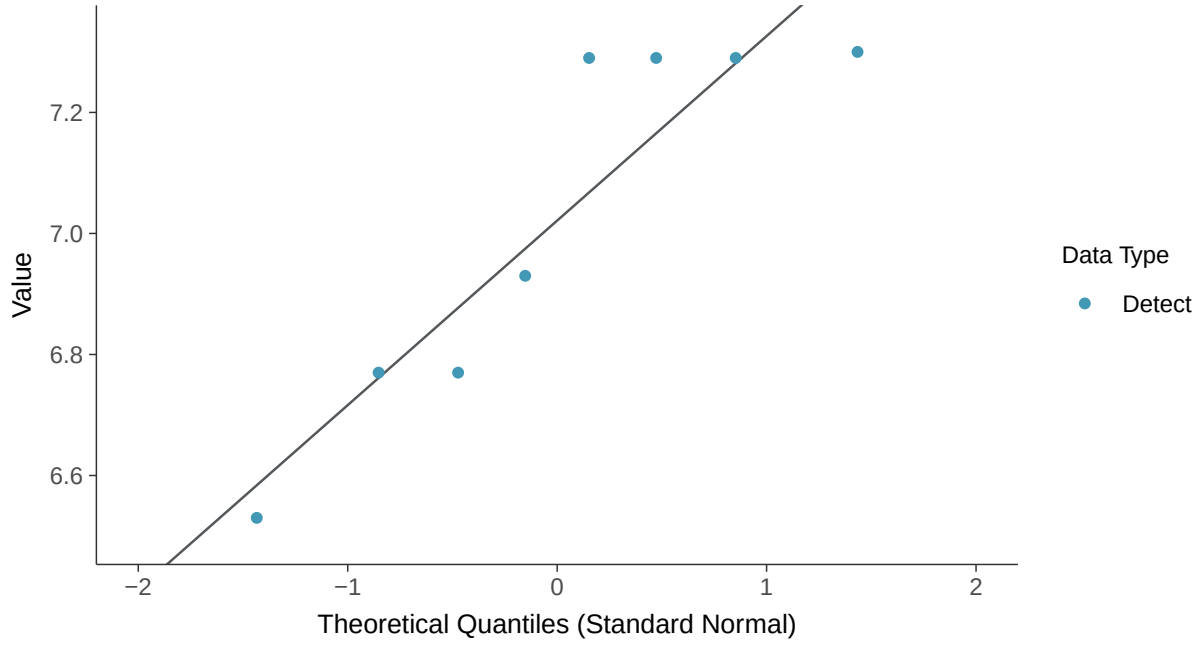
Boxplot by Season

pH (field), MW-16 (su)



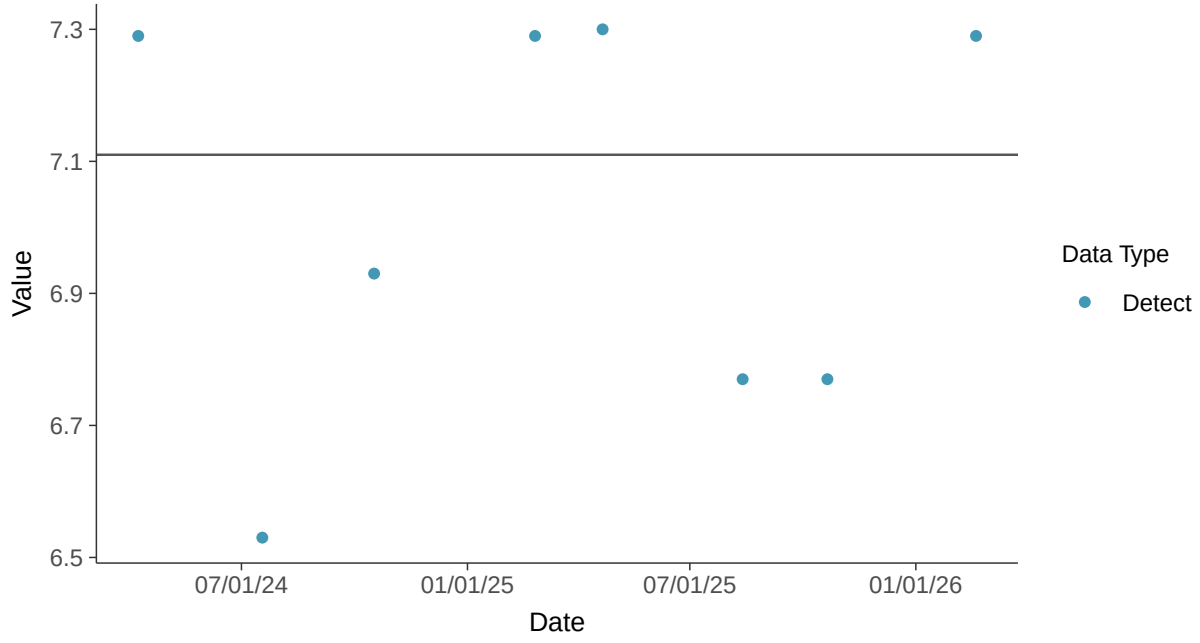
Normal Q-Q plot

pH (field), MW-16 (su)



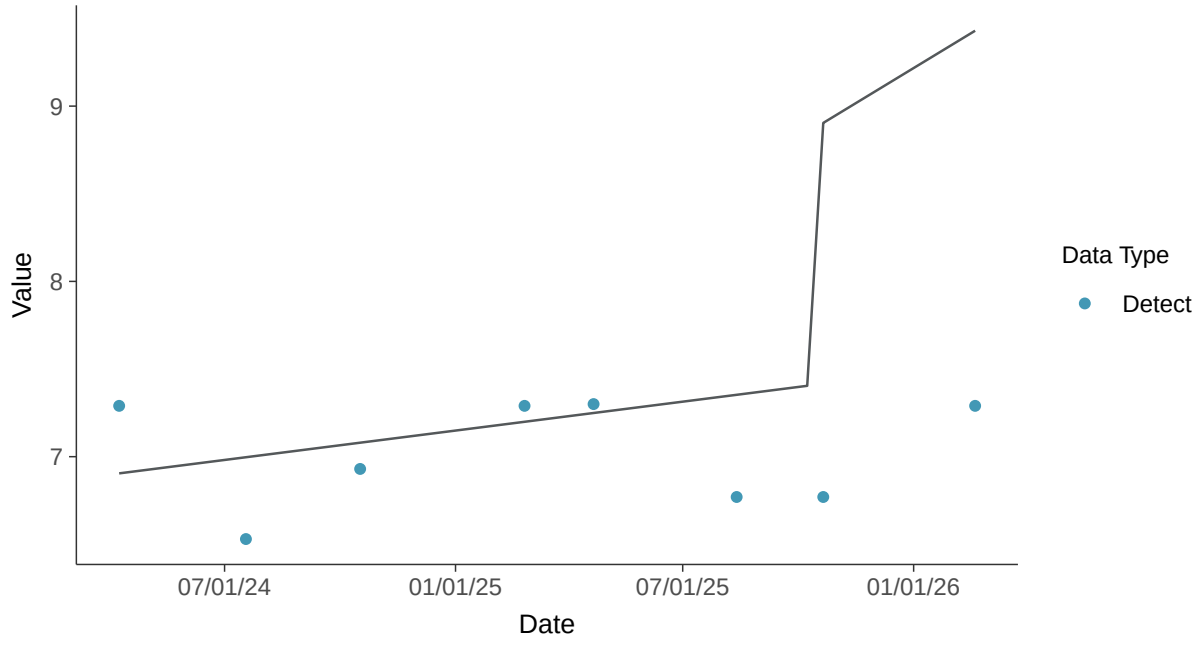
Trend Regression: Mann-Kendall/Theil-Sen Estimate

pH (field), MW-16 (su)



Trend Regression: Piecewise Linear-Linear-Linear

pH (field), MW-16 (su)

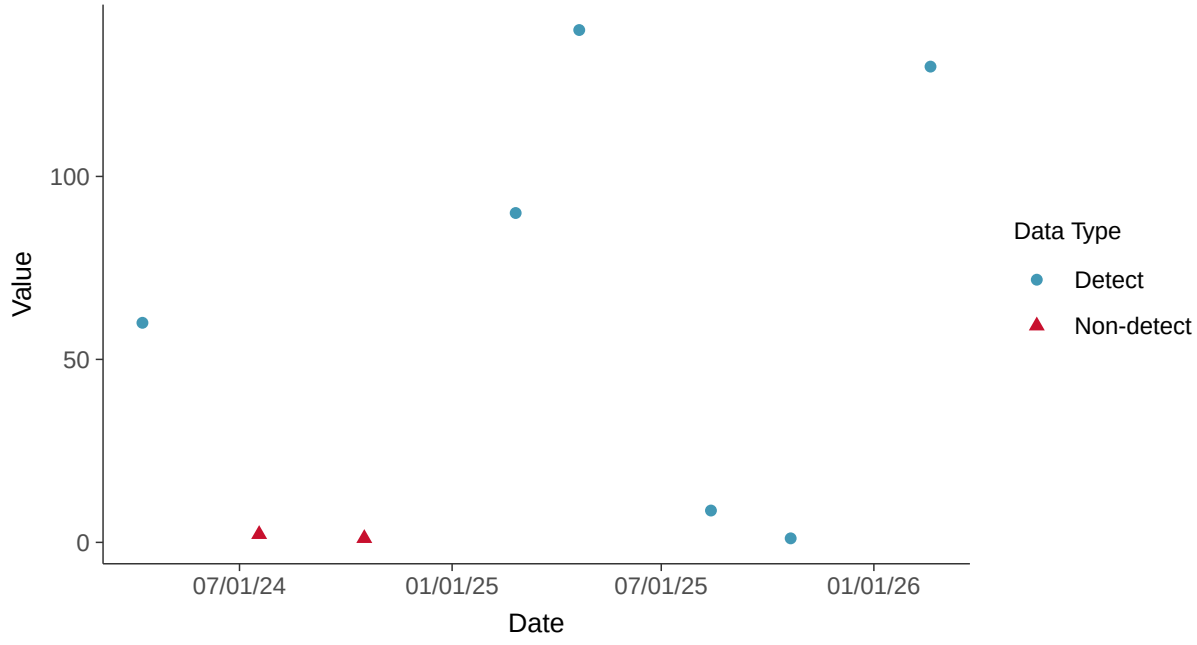


Appendix III: Sulfate (as SO4), MW-16

ID: 26_1_3_124

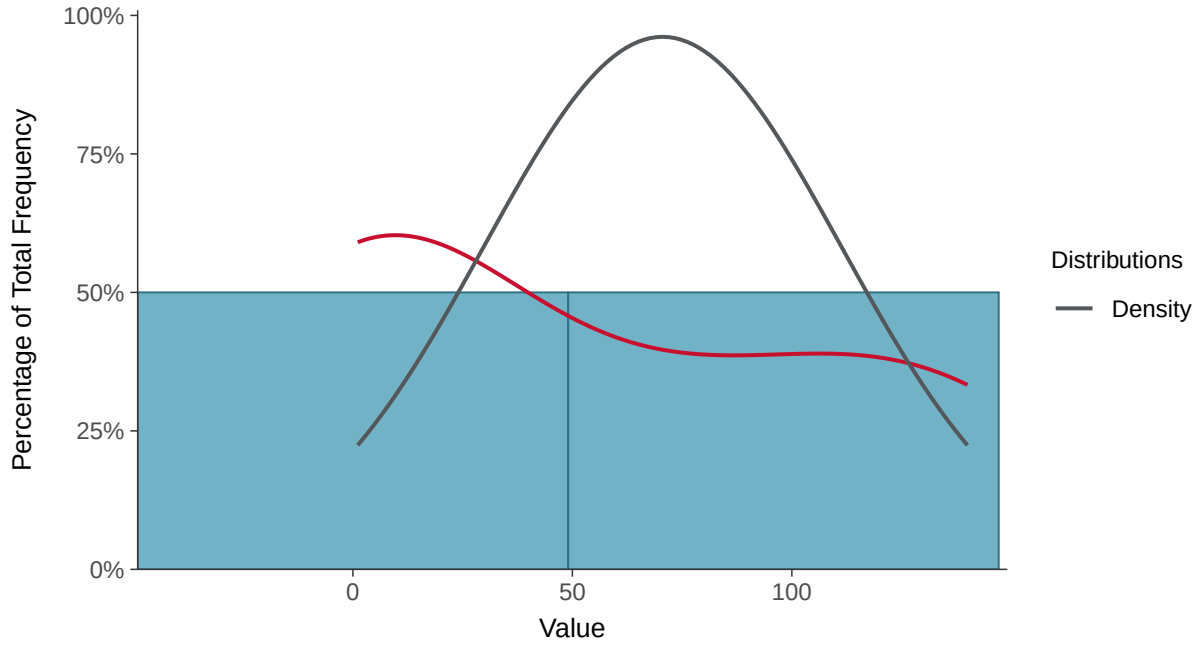
Scatter Plot

Sulfate (as SO4), MW-16 (mg/L)



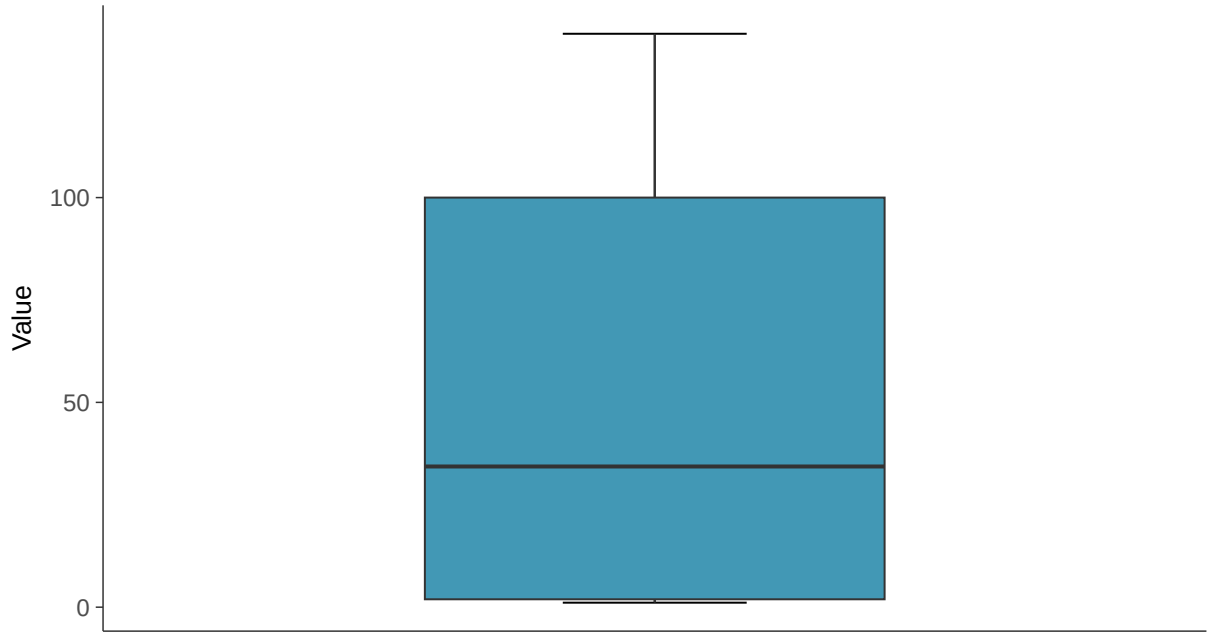
Histogram

Sulfate (as SO4), MW-16 (mg/L)



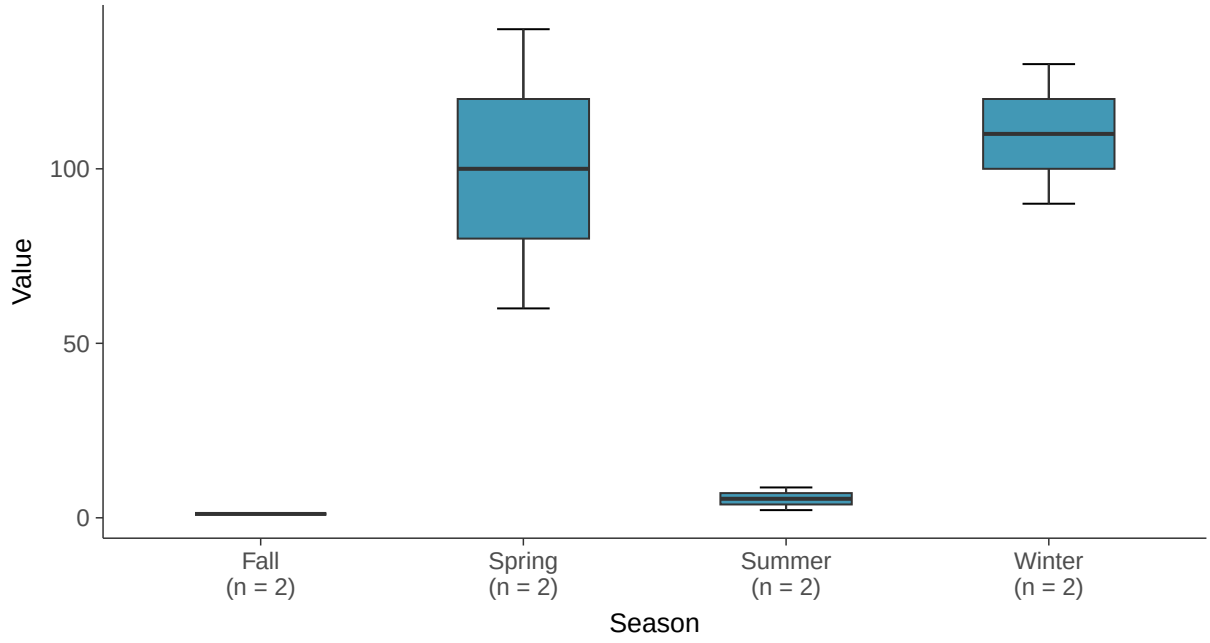
Boxplot

Sulfate (as SO4), MW-16 (mg/L)



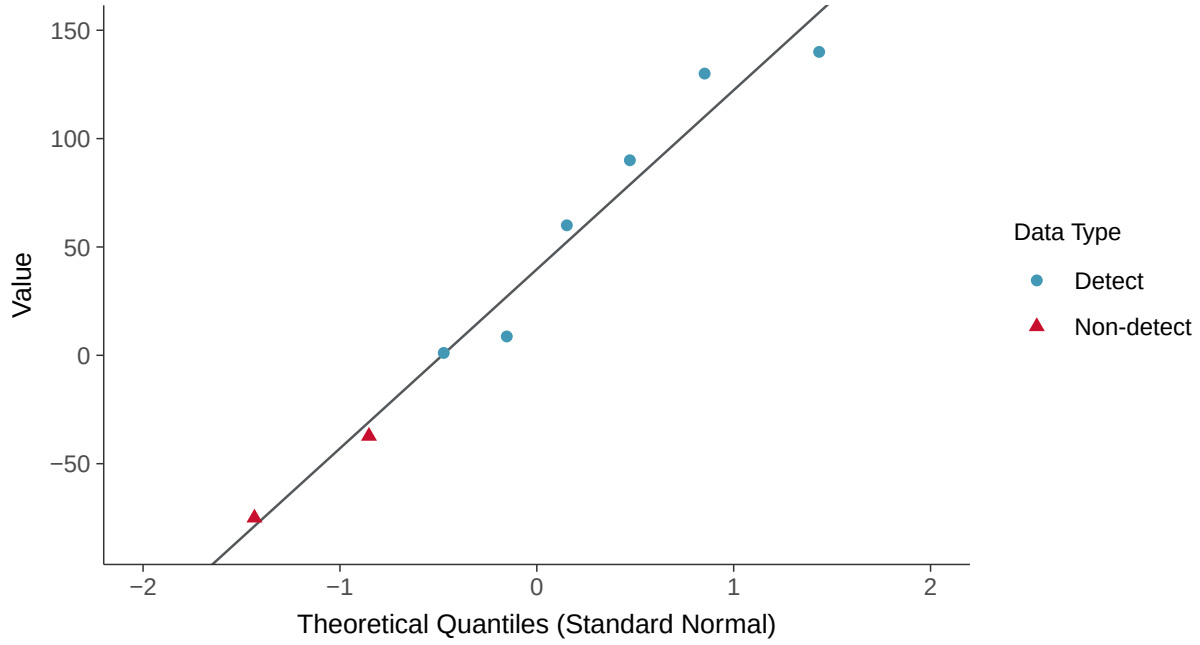
Boxplot by Season

Sulfate (as SO4), MW-16 (mg/L)



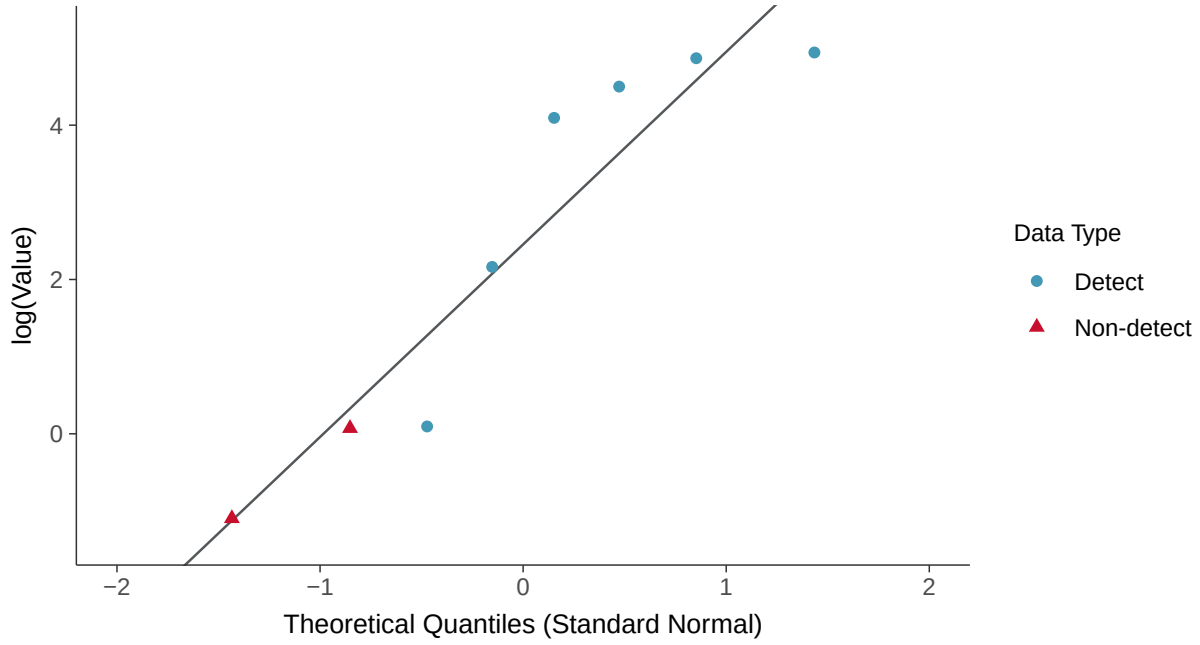
Normal Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-16 (mg/L)



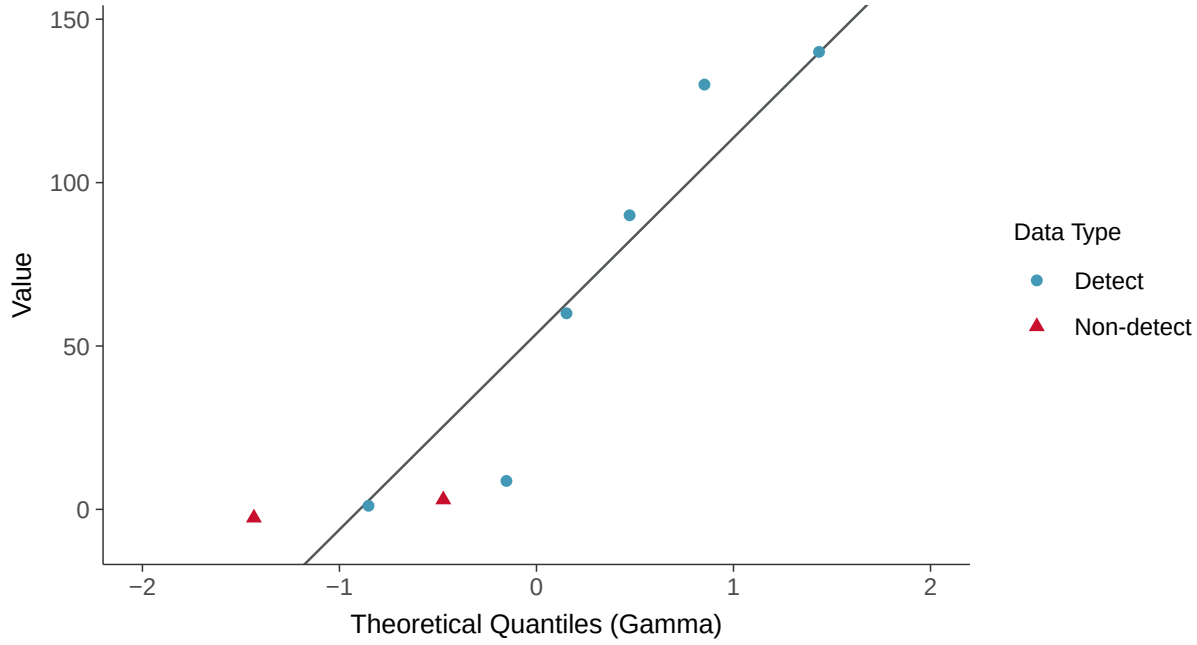
Lognormal Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-16 (mg/L)



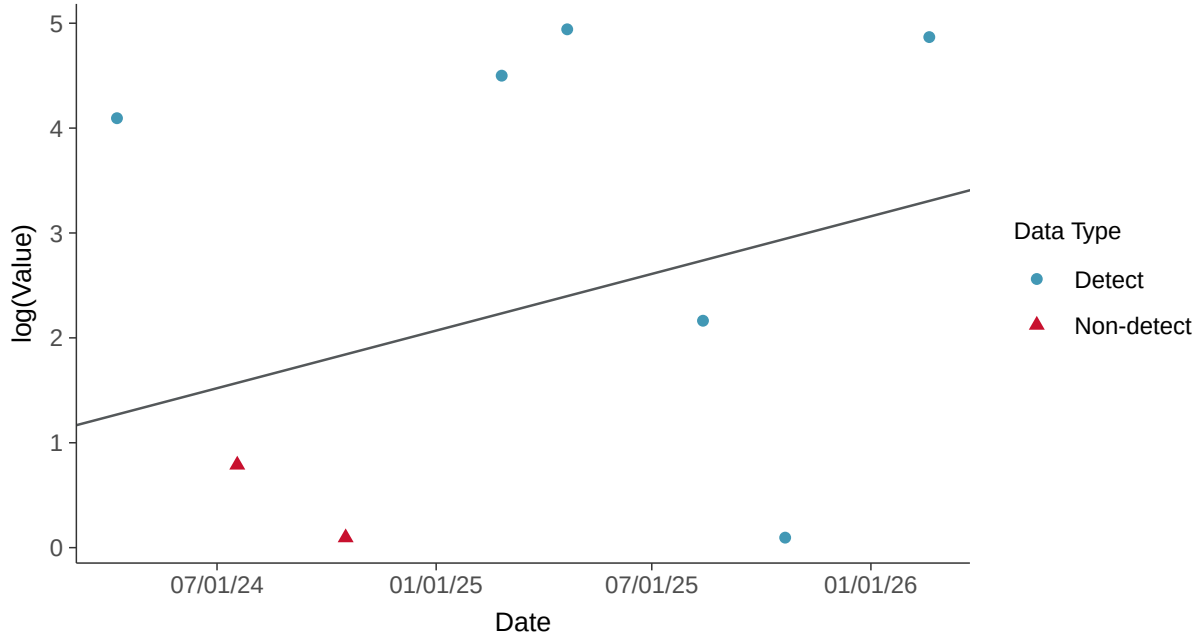
Gamma Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-16 (mg/L)



Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-16 (mg/L)

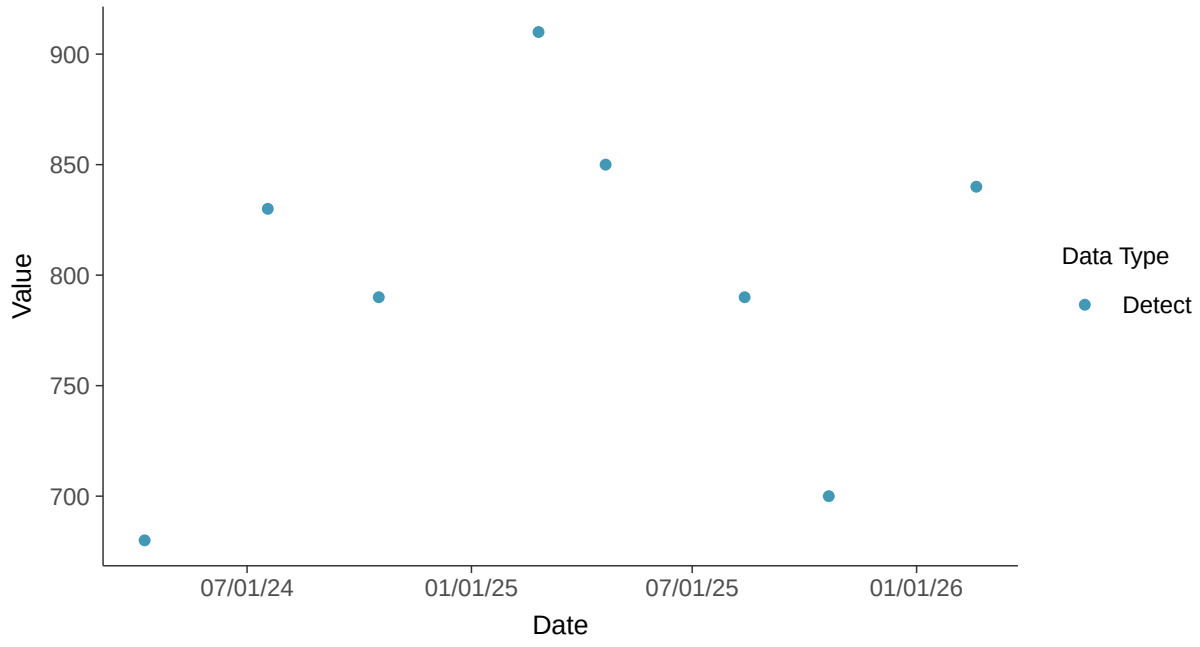


Appendix III: Total Dissolved Solids, MW-16

ID: 26_1_3_126

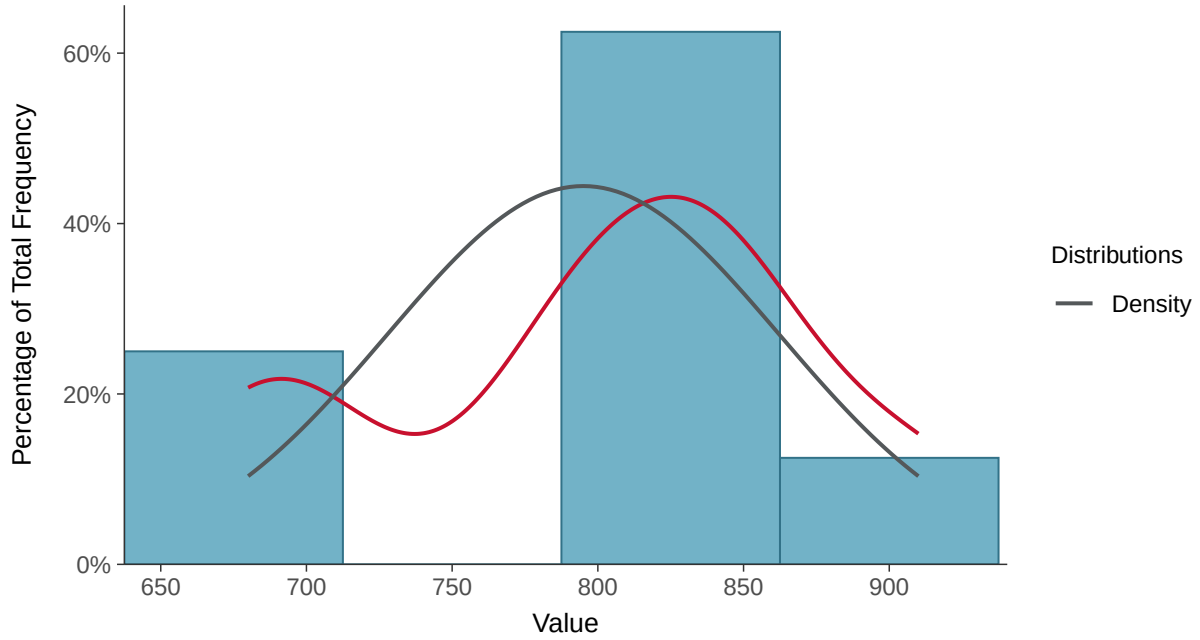
Scatter Plot

Total Dissolved Solids, MW-16 (mg/L)



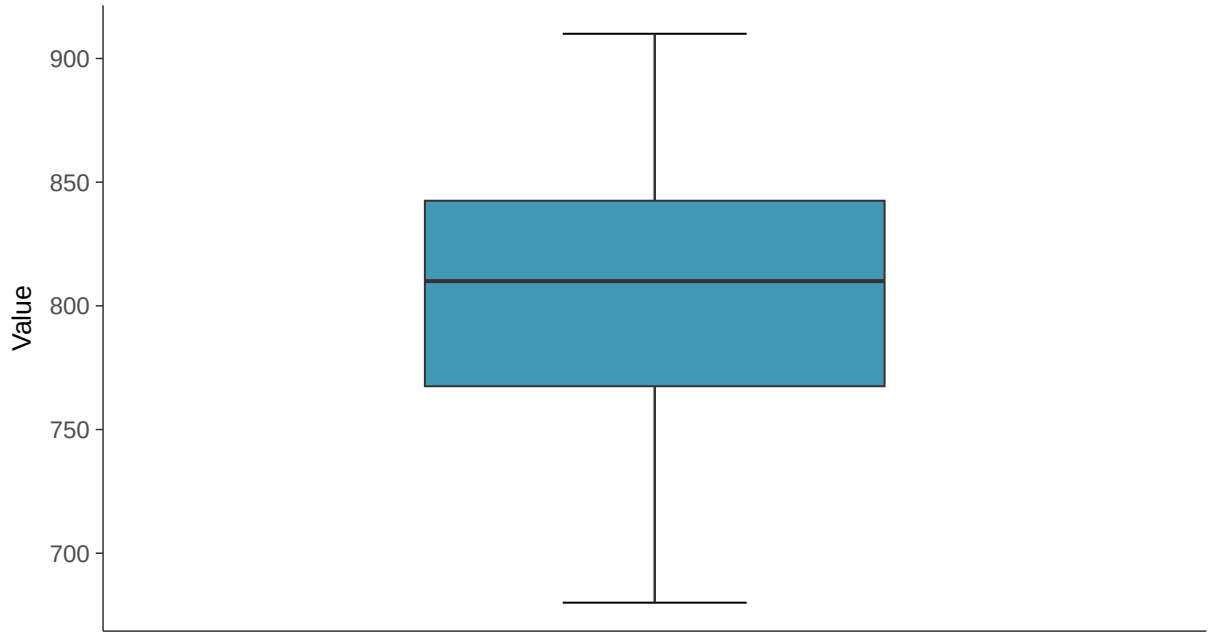
Histogram

Total Dissolved Solids, MW-16 (mg/L)



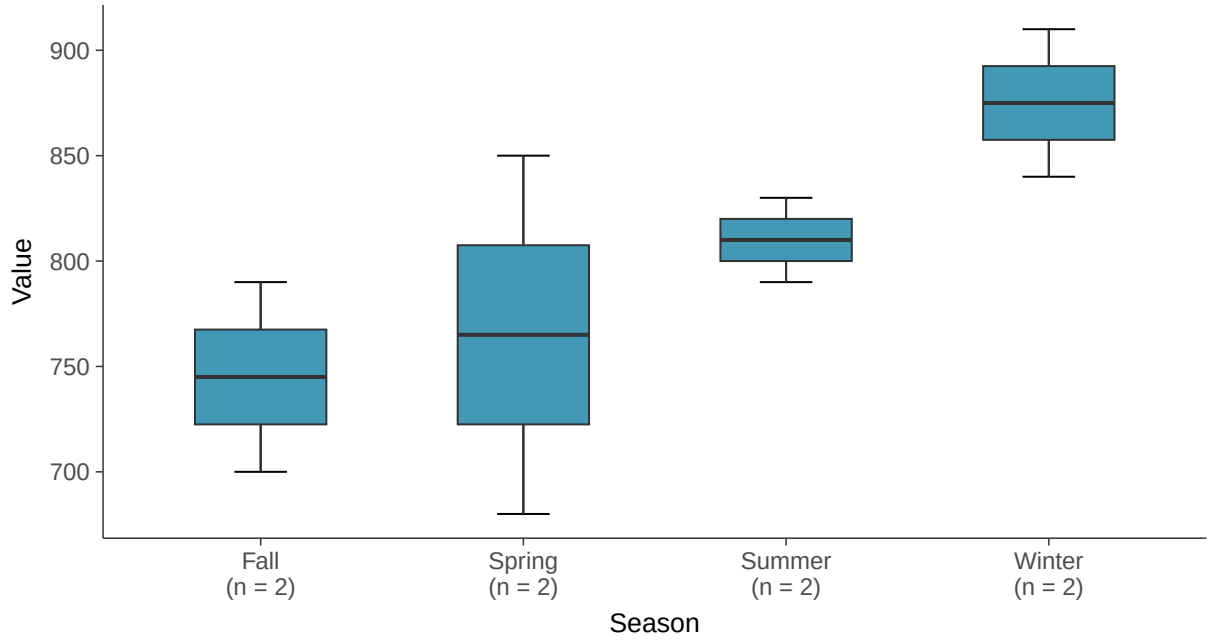
Boxplot

Total Dissolved Solids, MW-16 (mg/L)



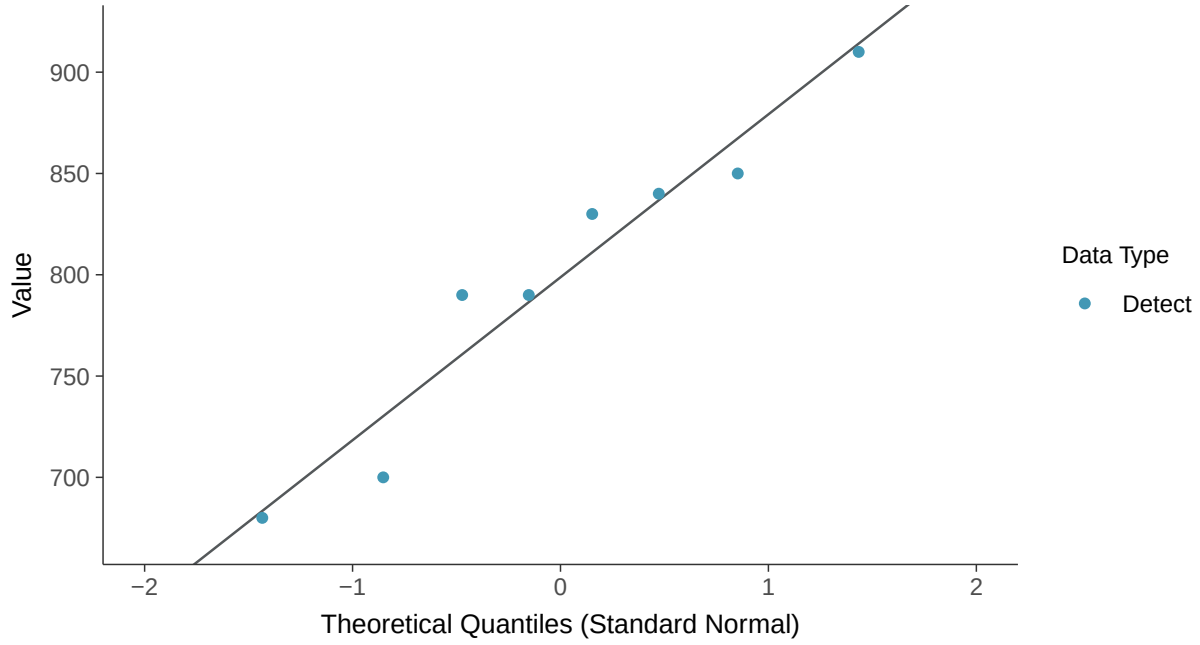
Boxplot by Season

Total Dissolved Solids, MW-16 (mg/L)



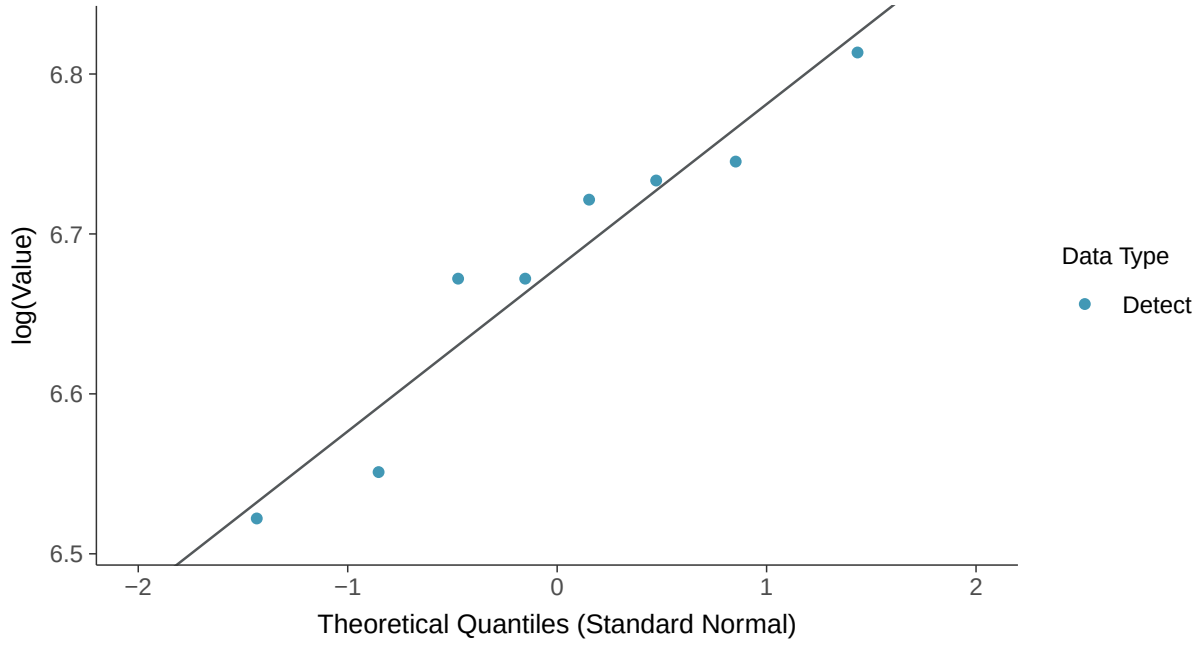
Normal Q-Q plot

Total Dissolved Solids, MW-16 (mg/L)



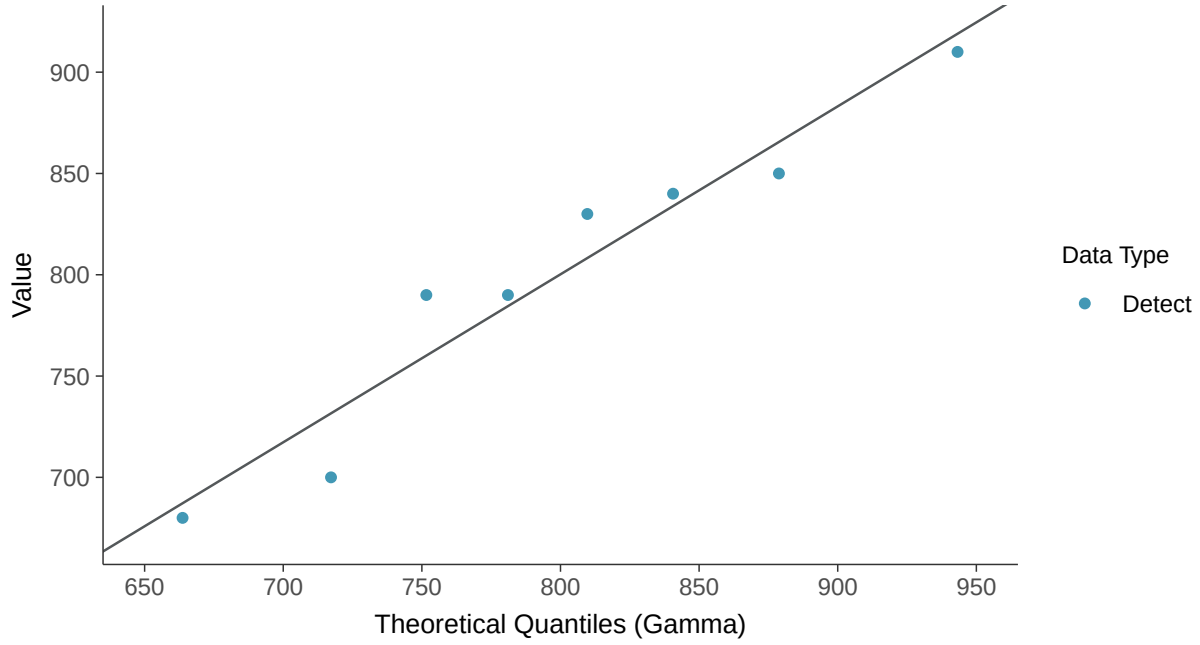
Lognormal Q-Q plot

Total Dissolved Solids, MW-16 (mg/L)



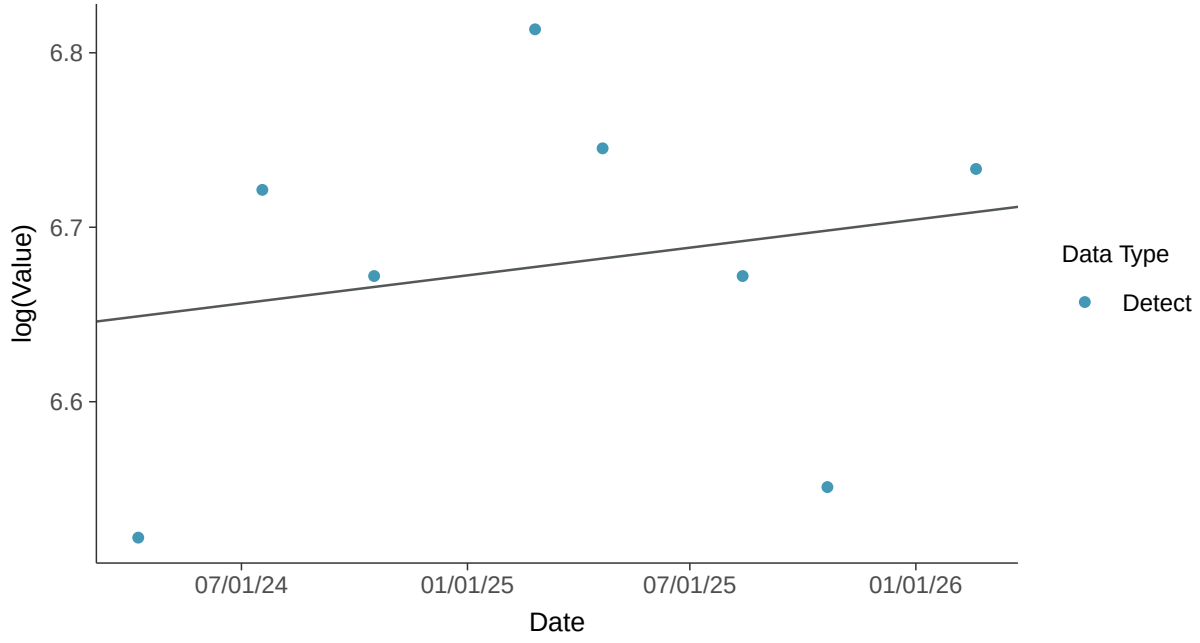
Gamma Q-Q plot

Total Dissolved Solids, MW-16 (mg/L)



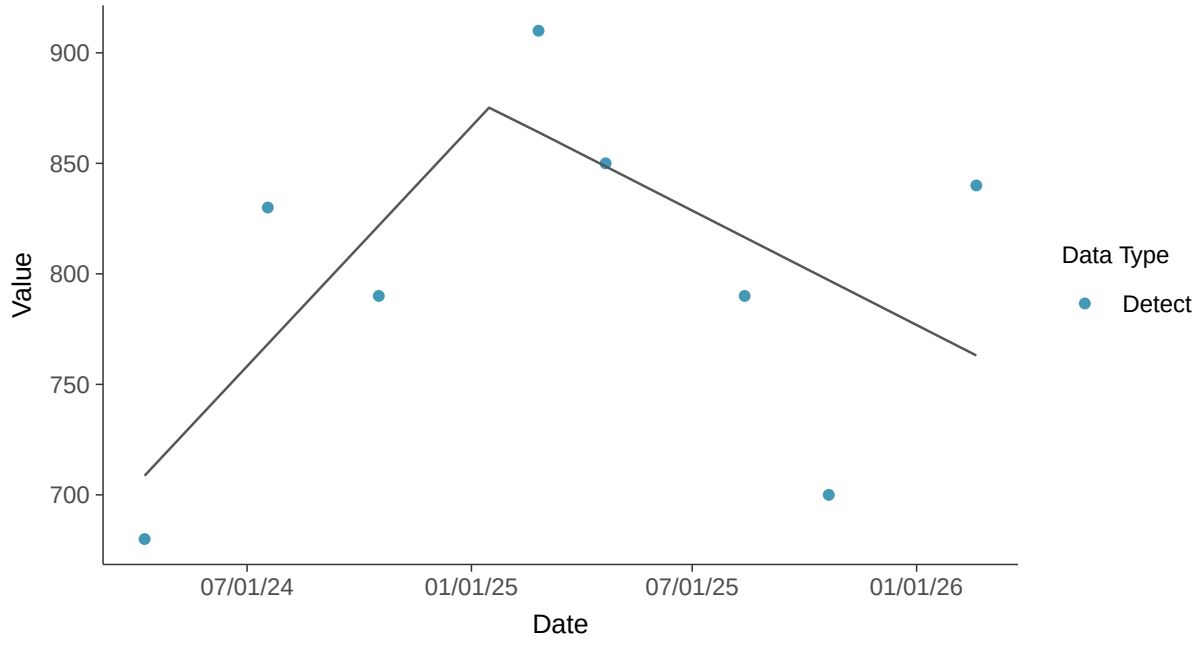
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-16 (mg/L)



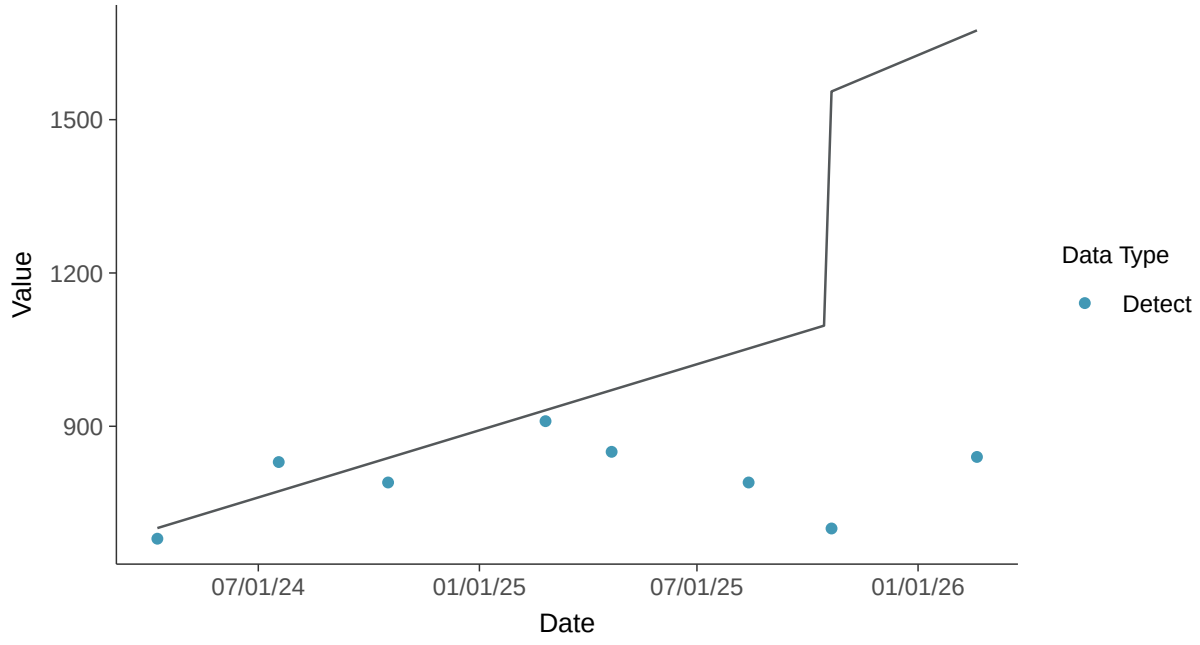
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-16 (mg/L)



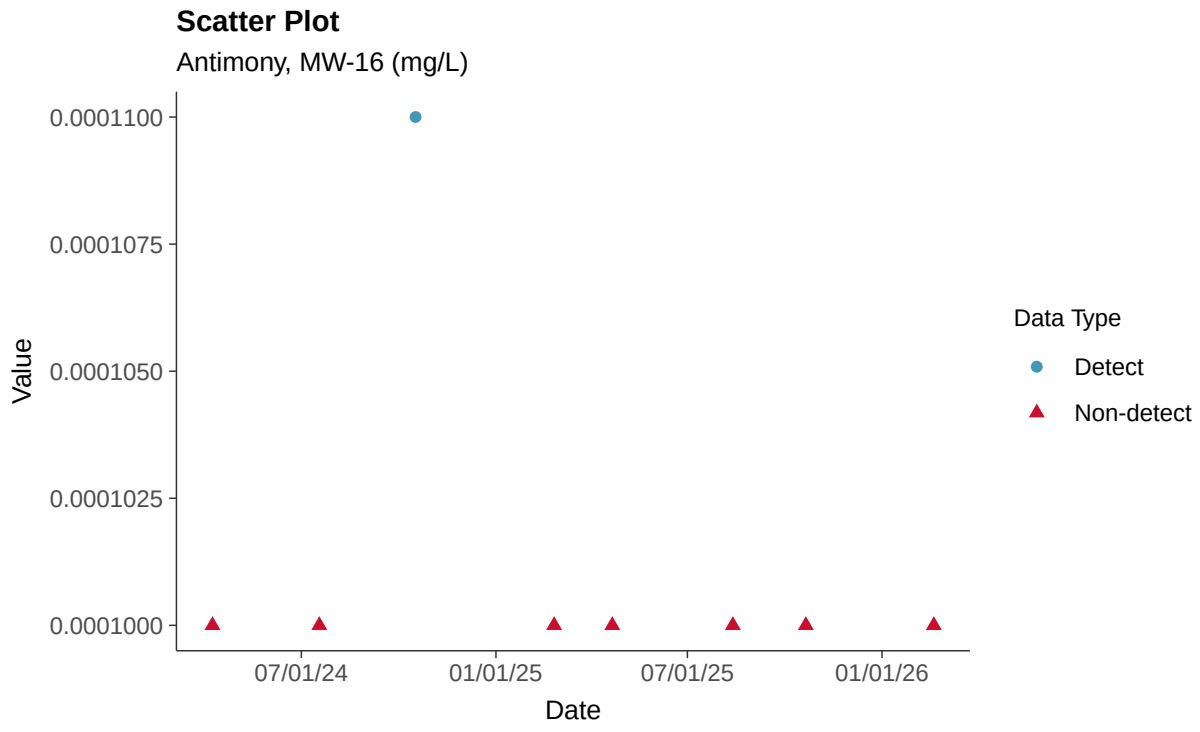
Trend Regression: Piecewise Linear-Linear-Linear

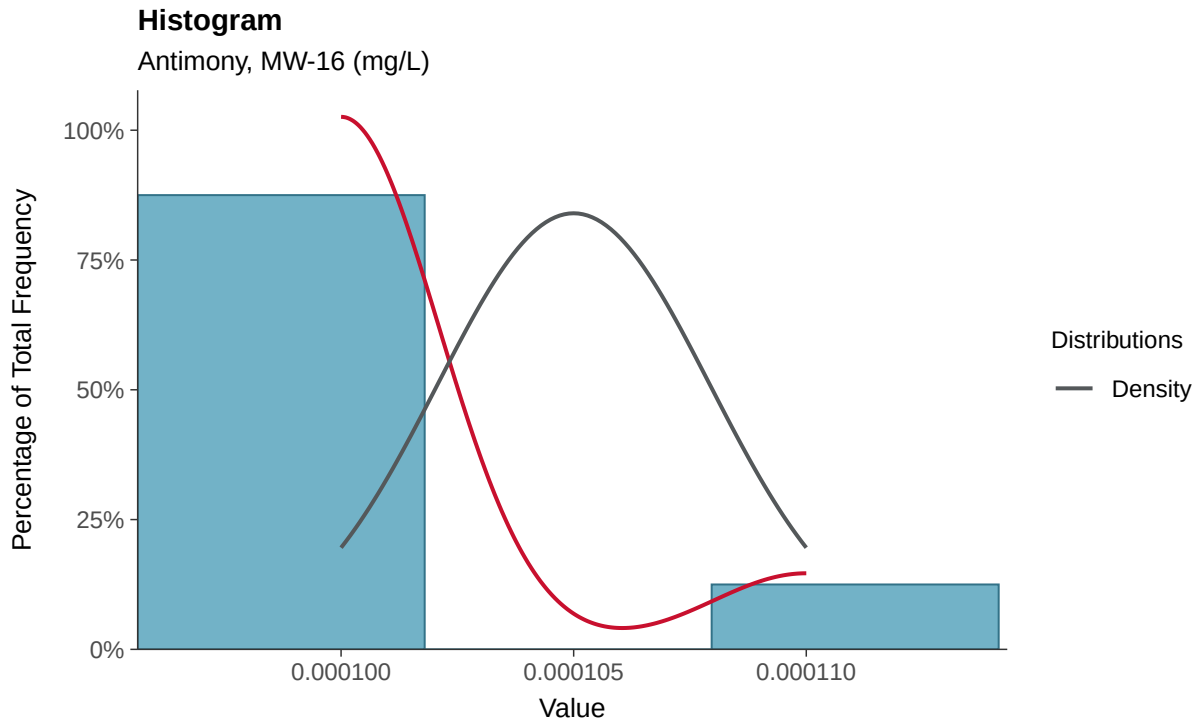
Total Dissolved Solids, MW-16 (mg/L)



Appendix IV: Antimony, MW-16

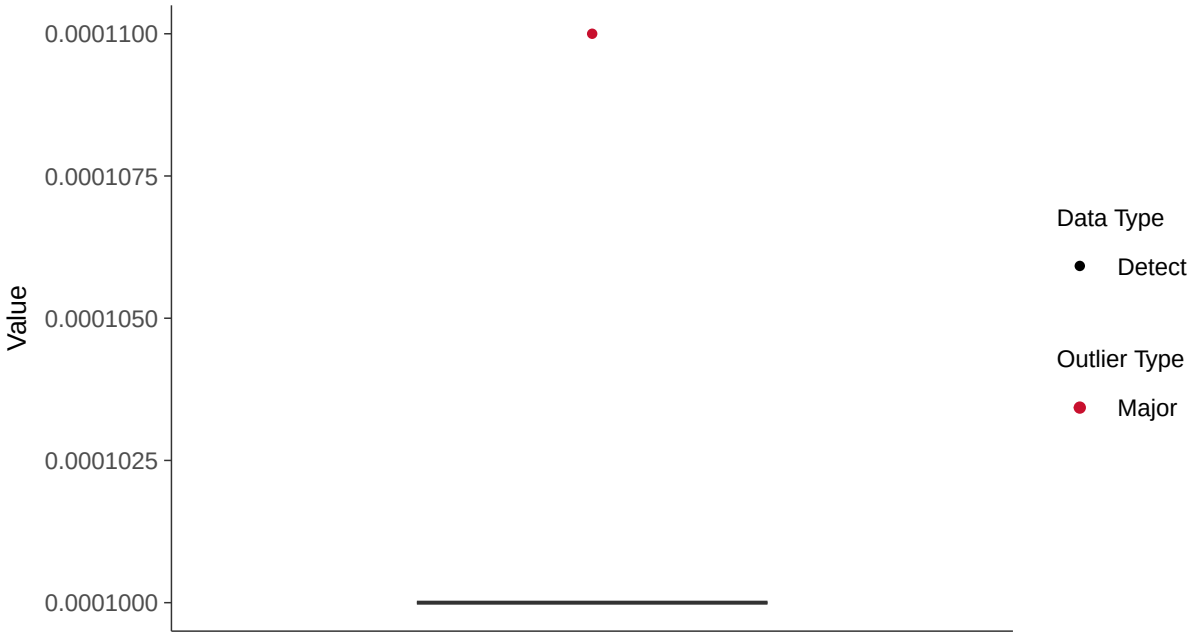
ID: 26_1_4_101





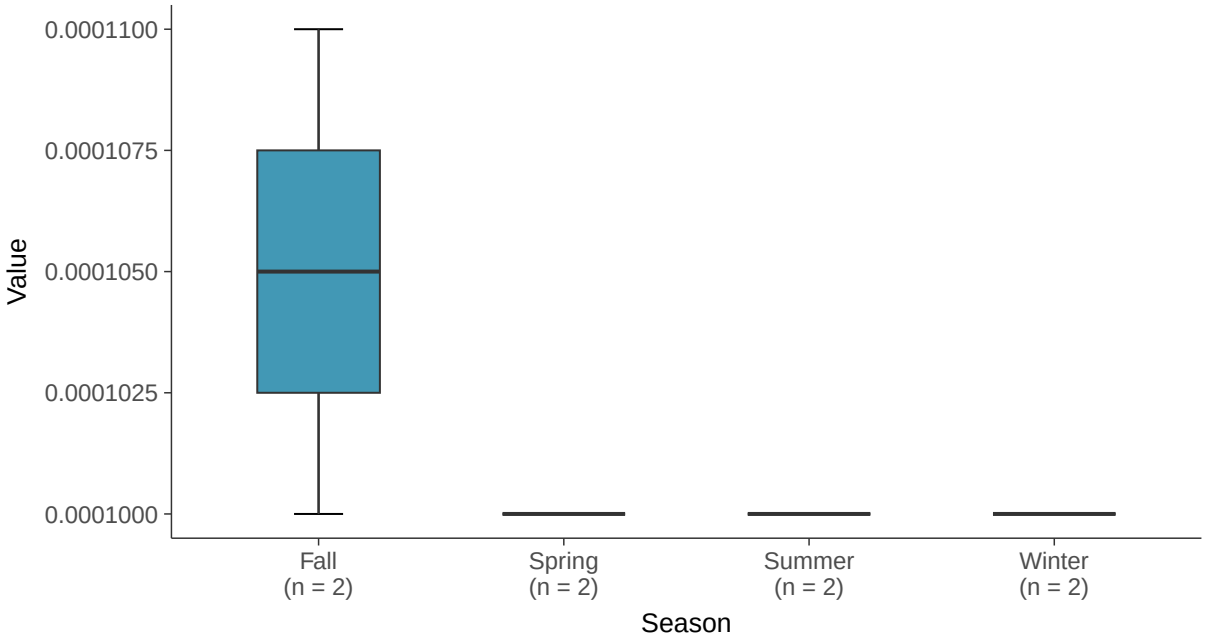
Boxplot

Antimony, MW-16 (mg/L)



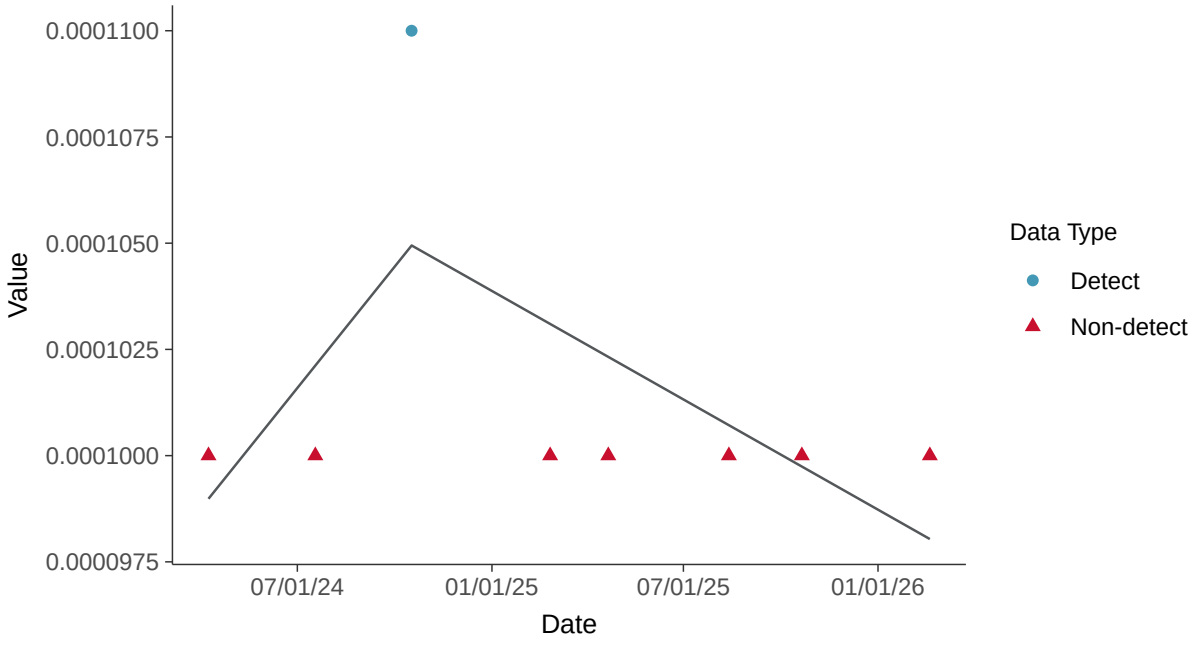
Boxplot by Season

Antimony, MW-16 (mg/L)



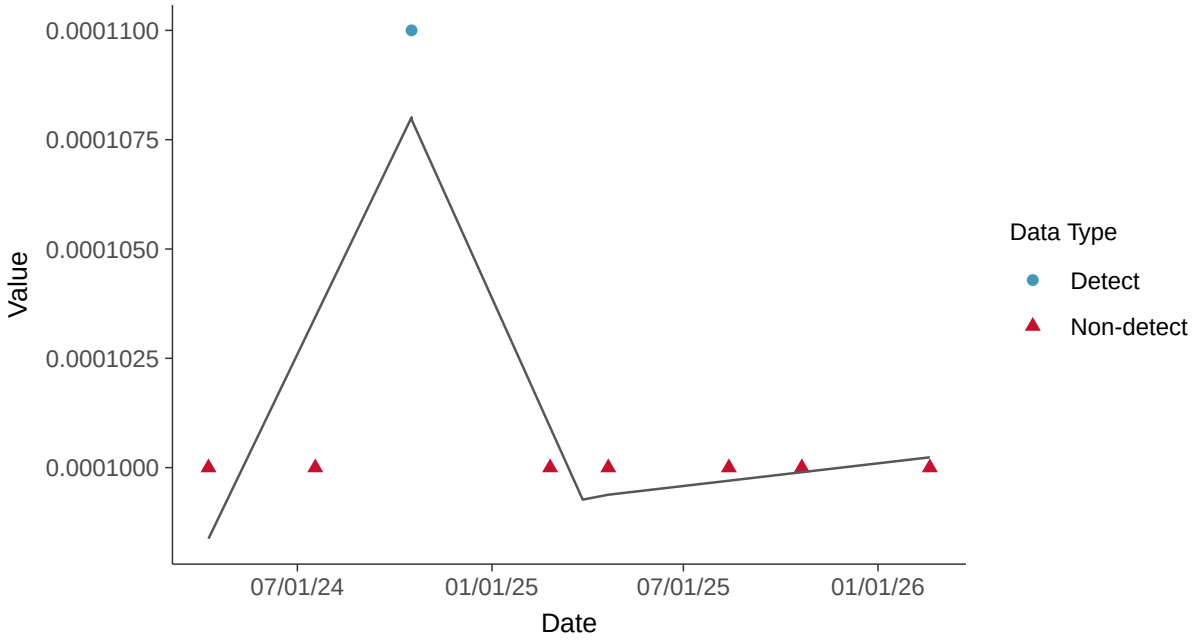
Trend Regression: Piecewise Linear-Linear

Antimony, MW-16 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Antimony, MW-16 (mg/L)

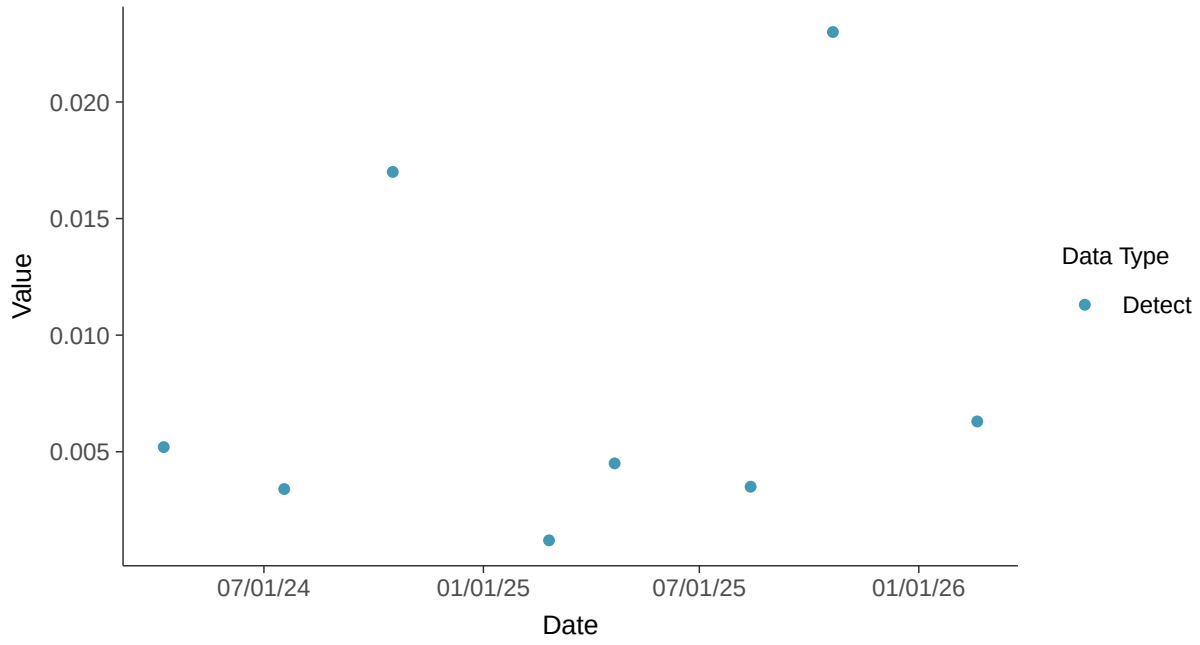


Appendix IV: Arsenic, MW-16

ID: 26_1_4_102

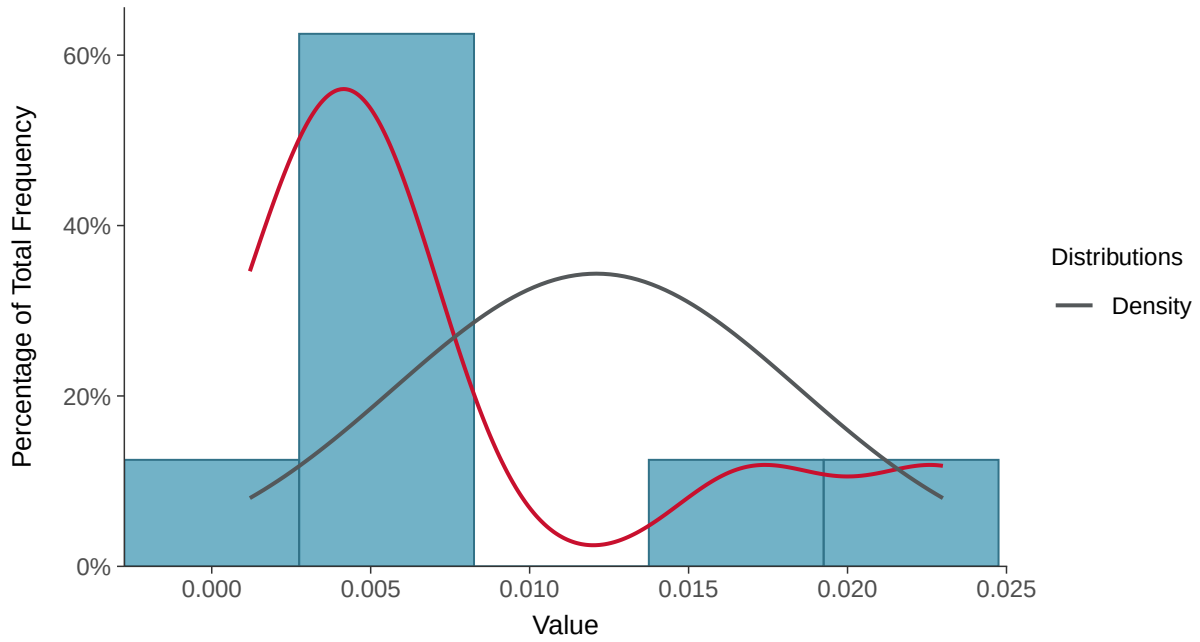
Scatter Plot

Arsenic, MW-16 (mg/L)



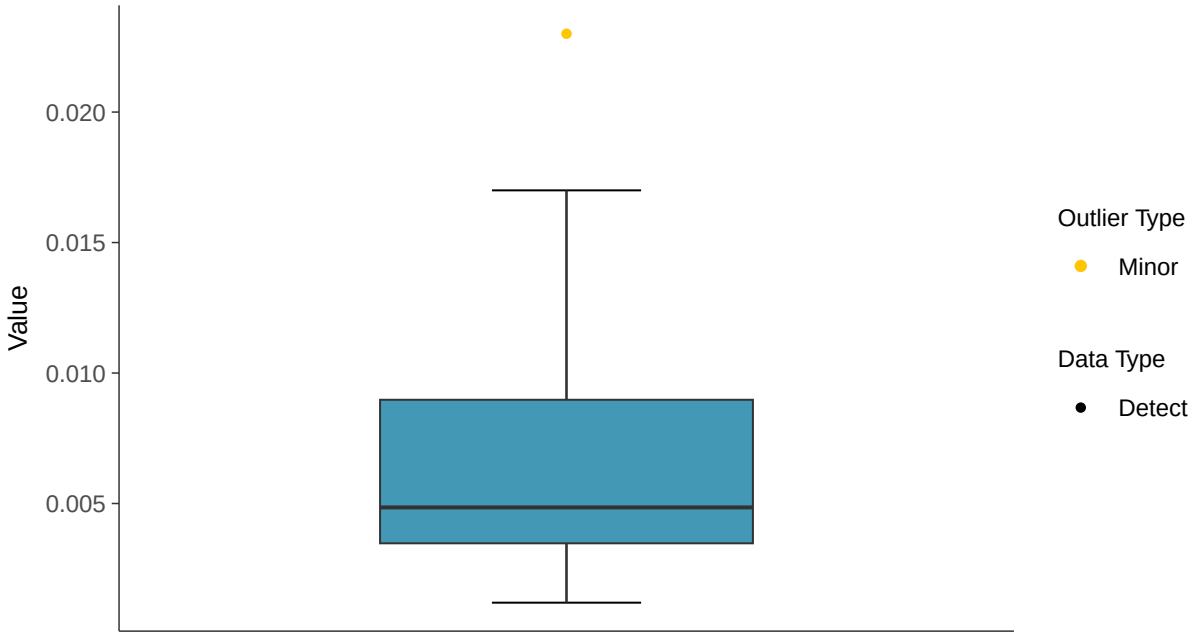
Histogram

Arsenic, MW-16 (mg/L)



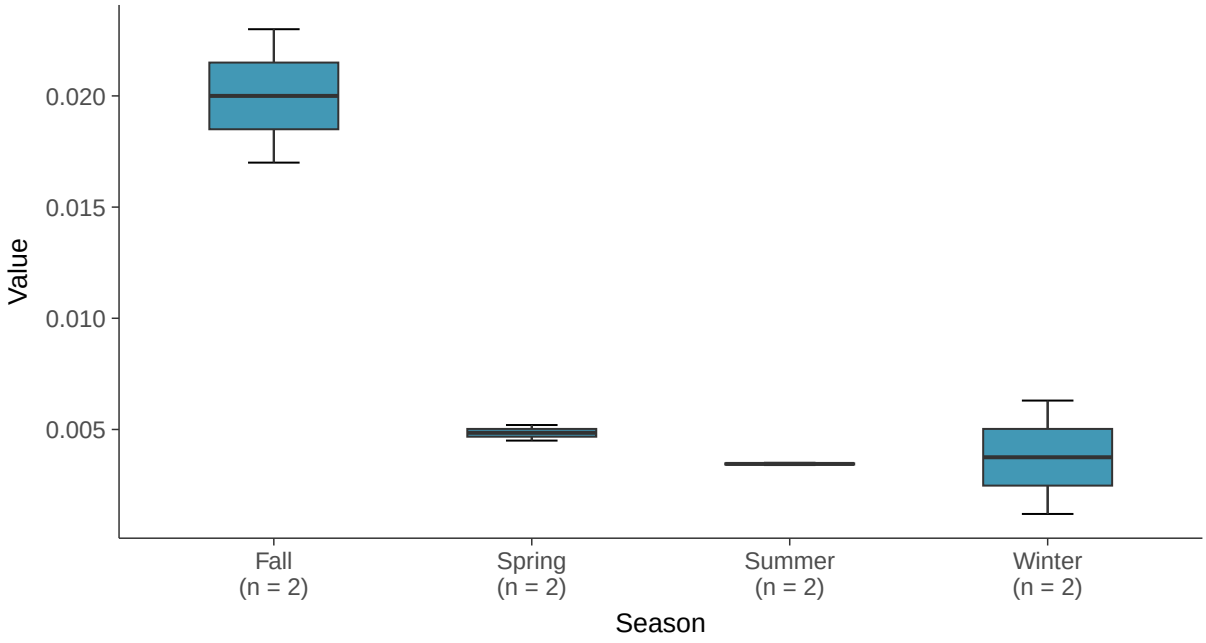
Boxplot

Arsenic, MW-16 (mg/L)



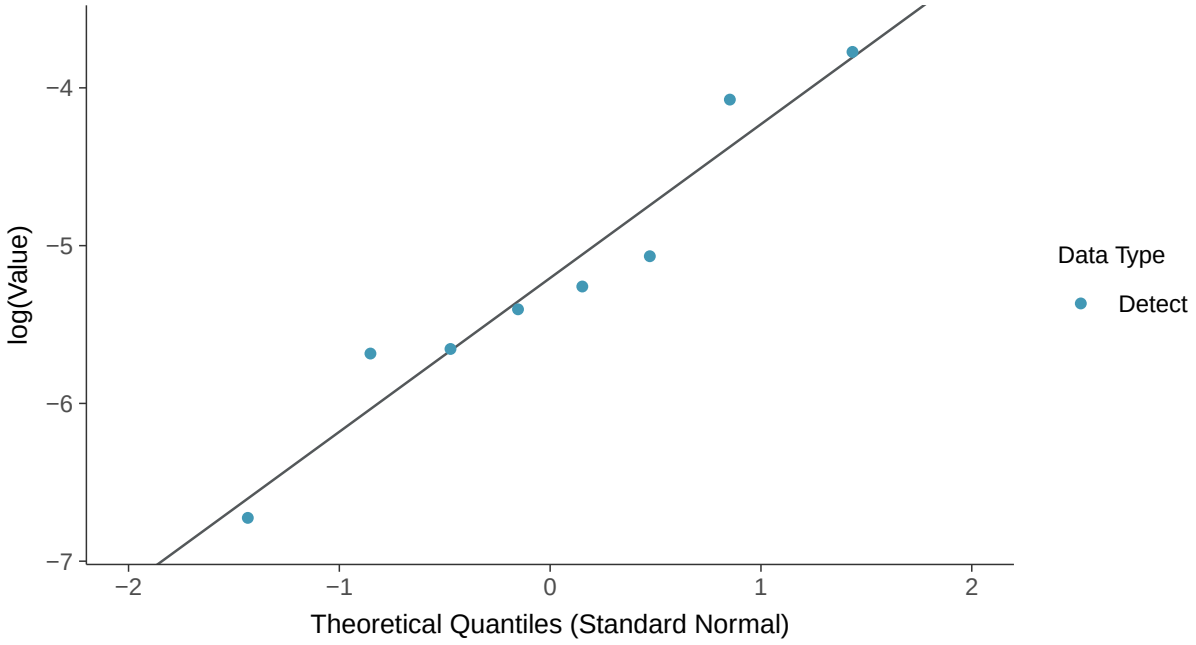
Boxplot by Season

Arsenic, MW-16 (mg/L)



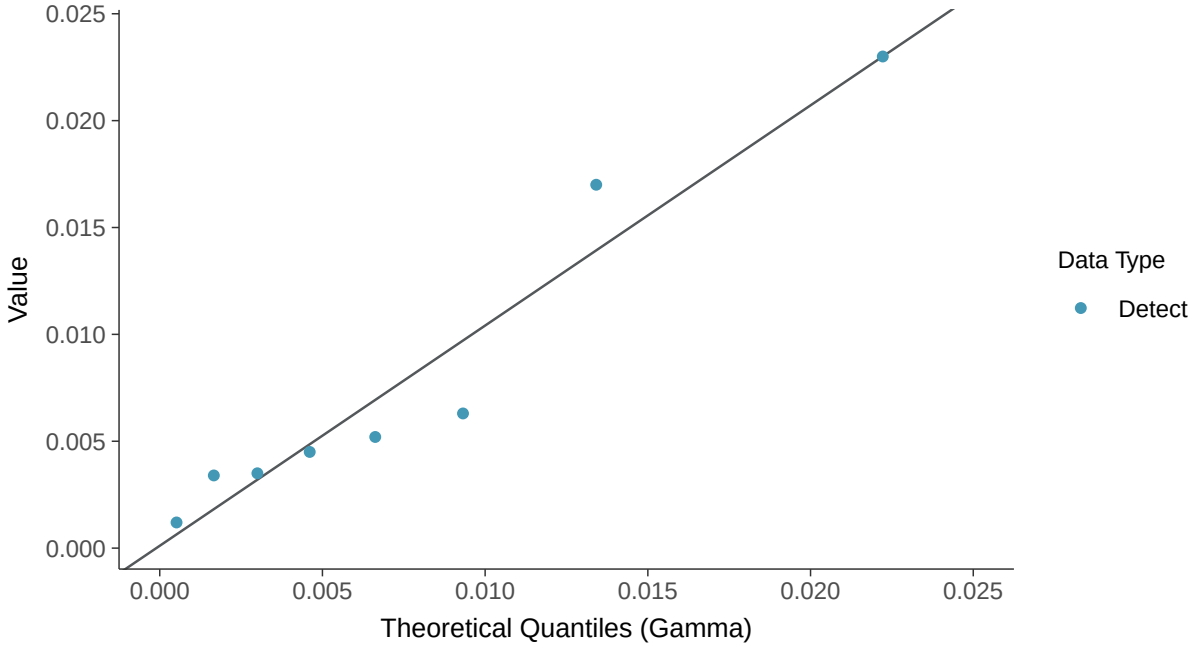
Lognormal Q-Q plot

Arsenic, MW-16 (mg/L)



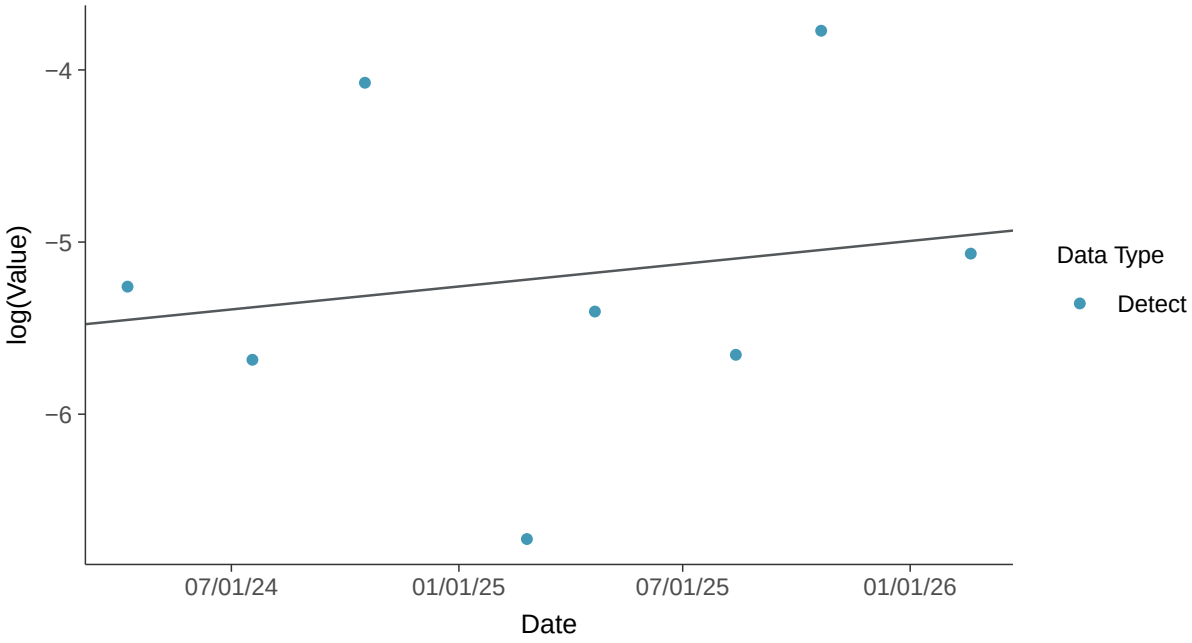
Gamma Q-Q plot

Arsenic, MW-16 (mg/L)



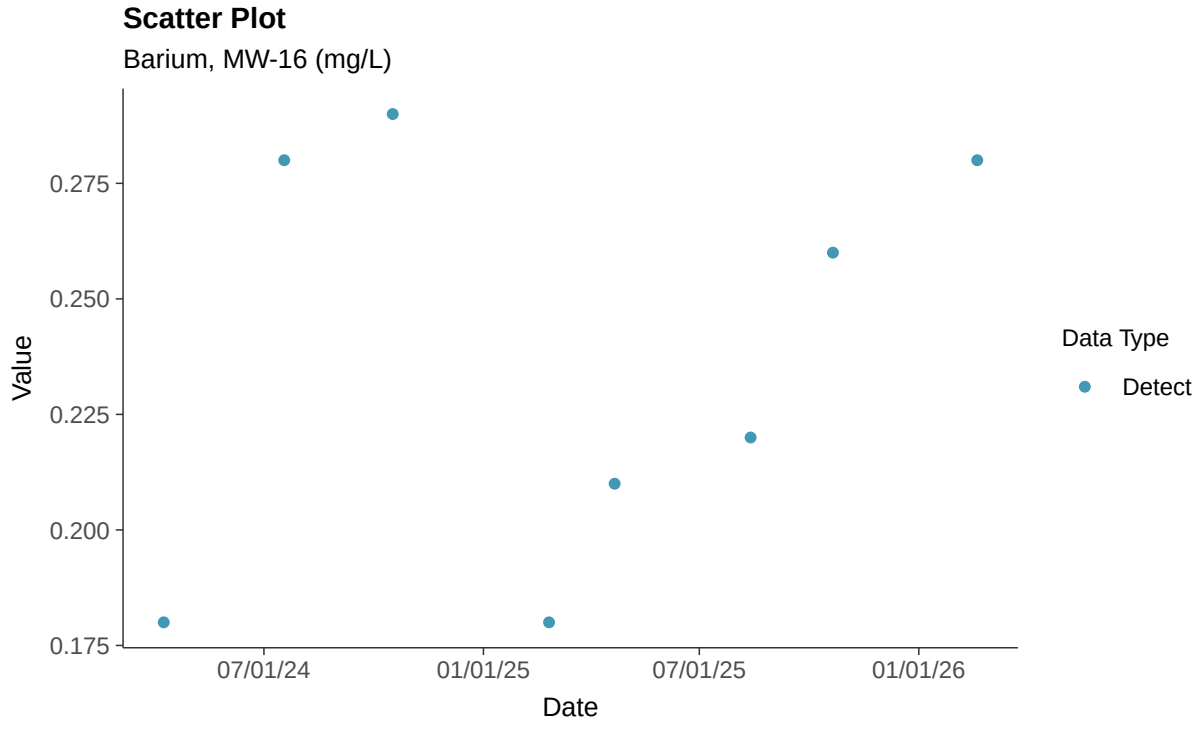
Trend Regression: Lognormal MLE

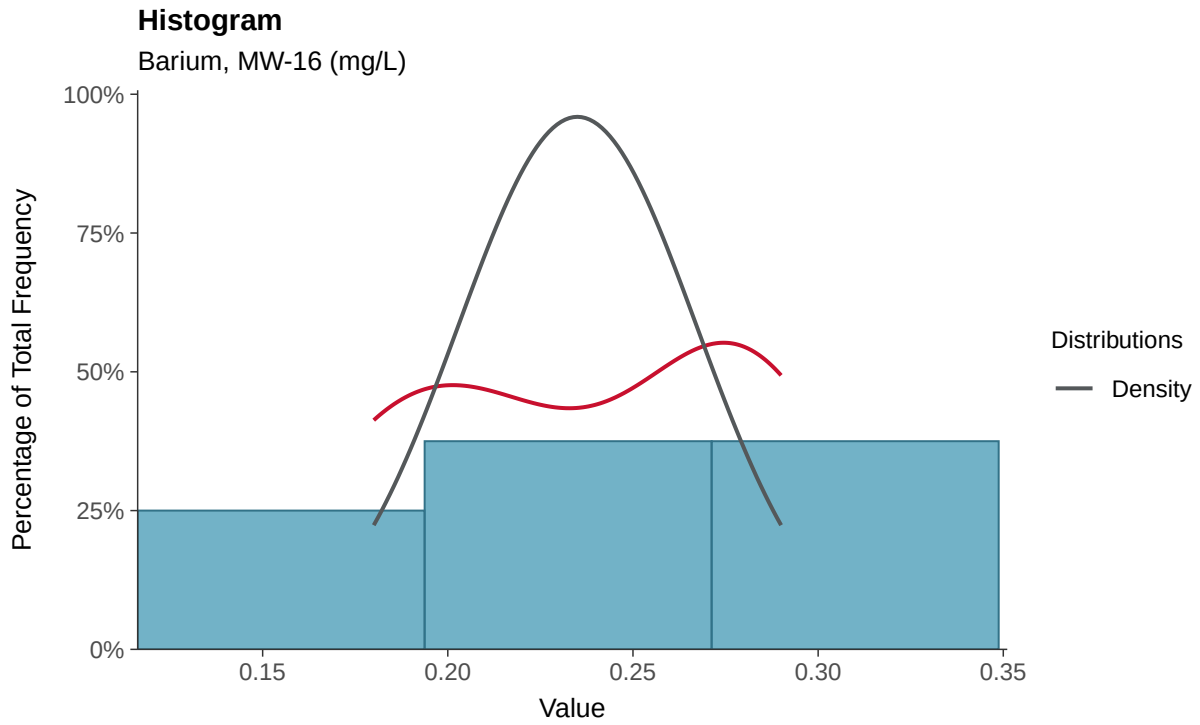
Arsenic, MW-16 (mg/L)



Appendix IV: Barium, MW-16

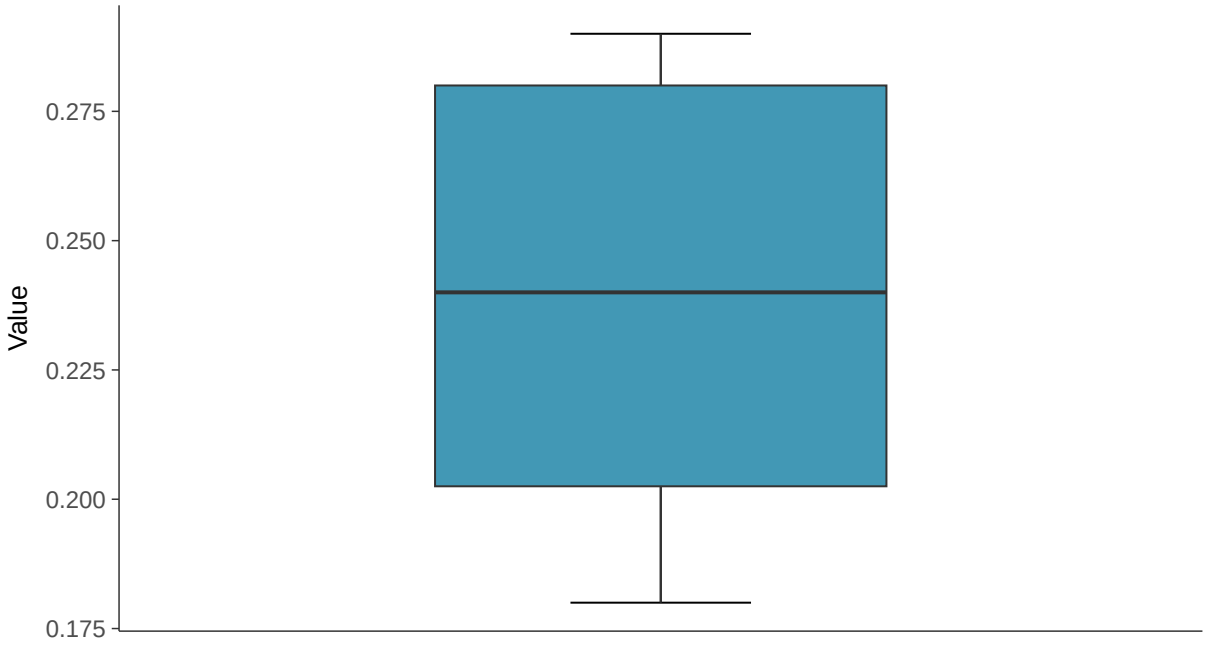
ID: 26_1_4_103





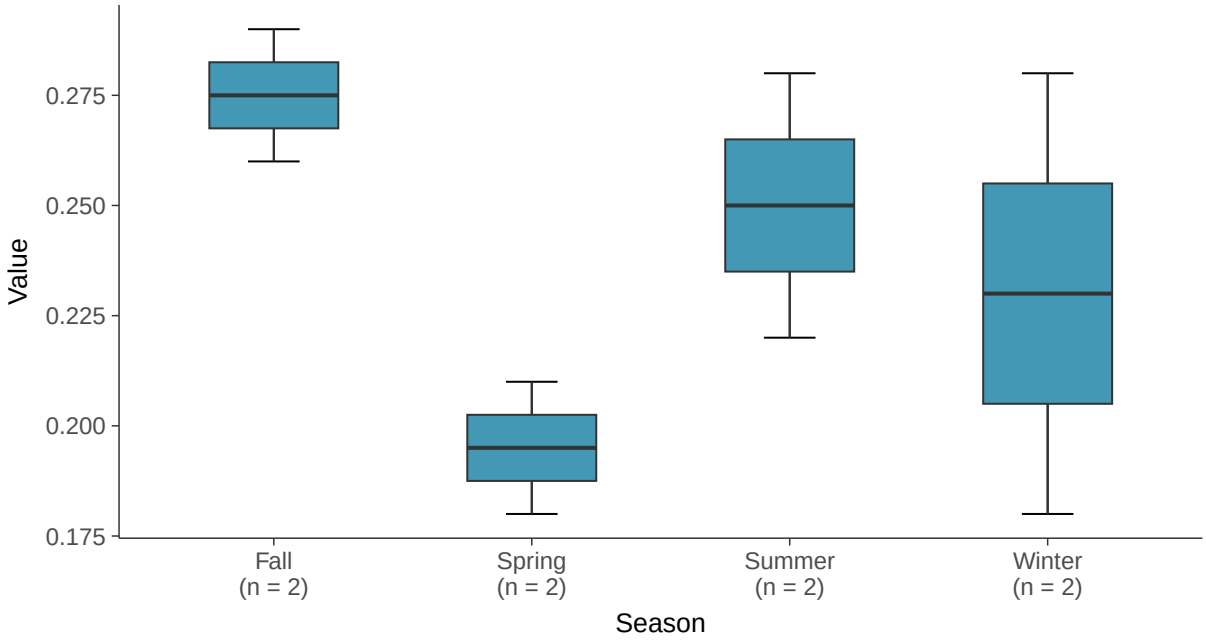
Boxplot

Barium, MW-16 (mg/L)



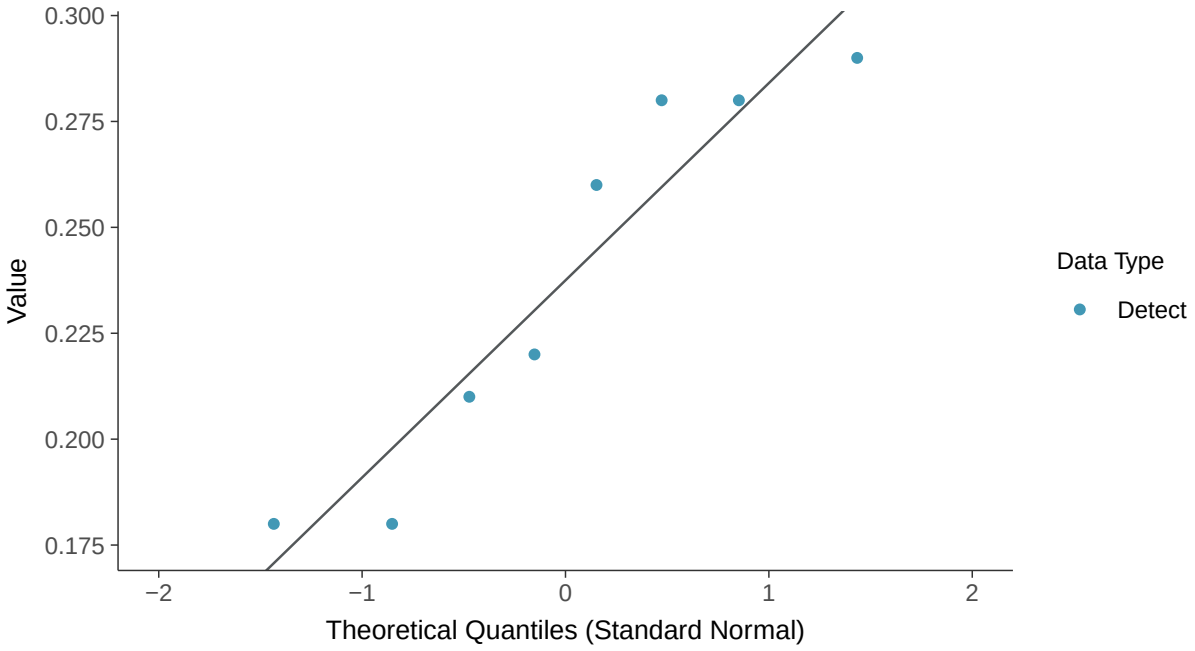
Boxplot by Season

Barium, MW-16 (mg/L)



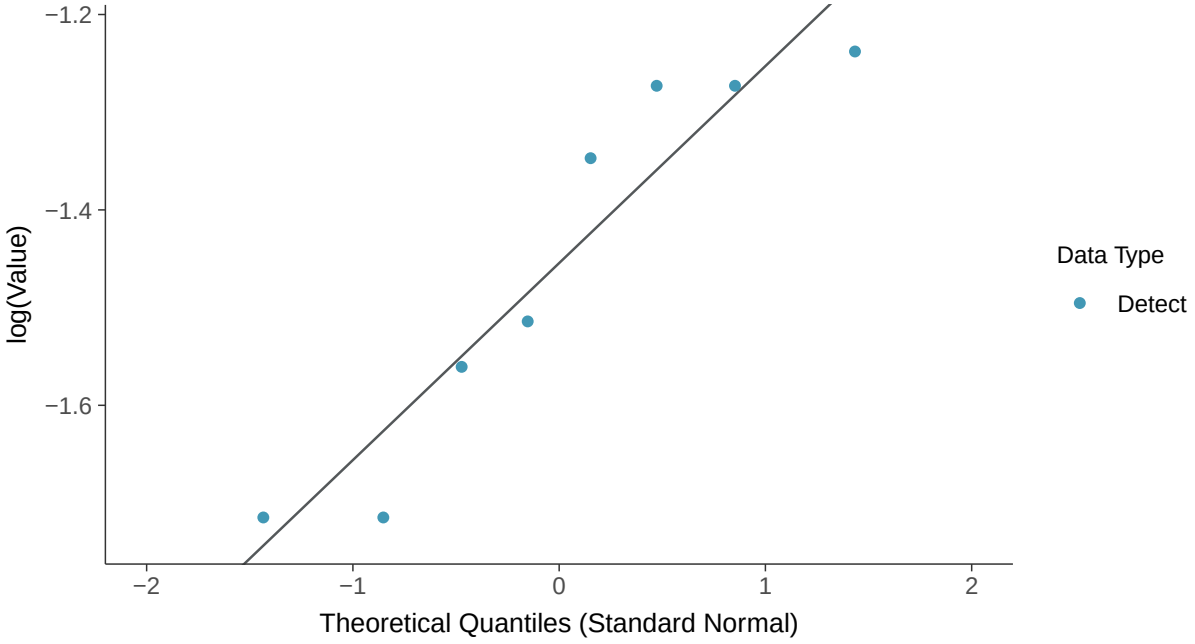
Normal Q-Q plot

Barium, MW-16 (mg/L)



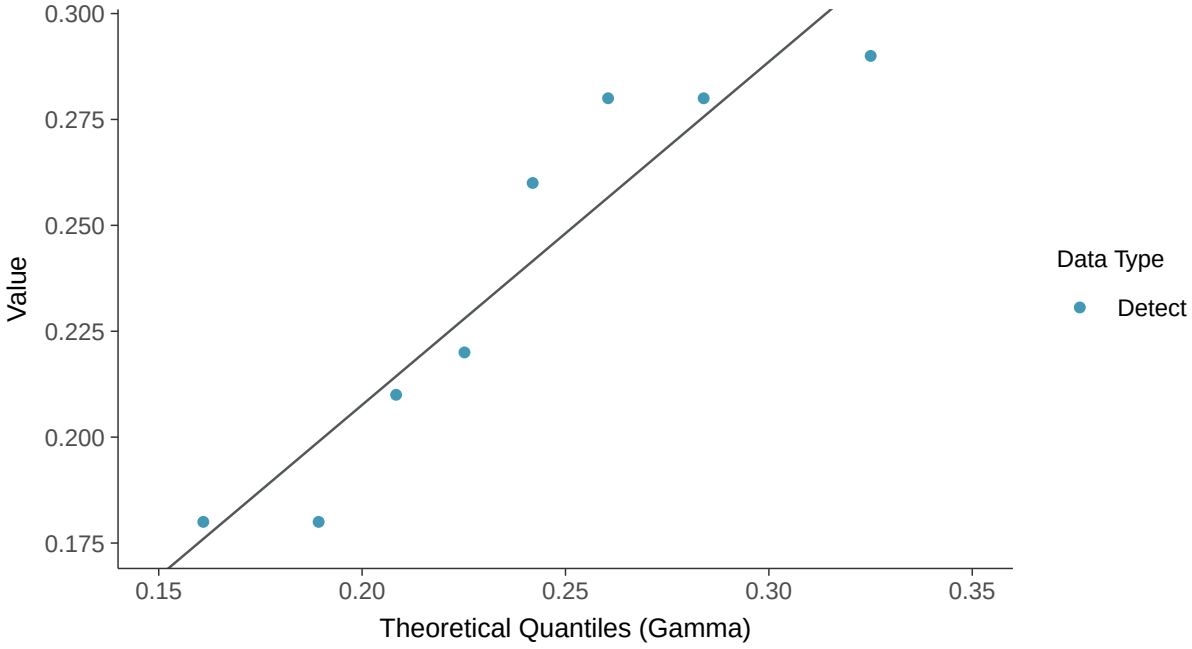
Lognormal Q-Q plot

Barium, MW-16 (mg/L)



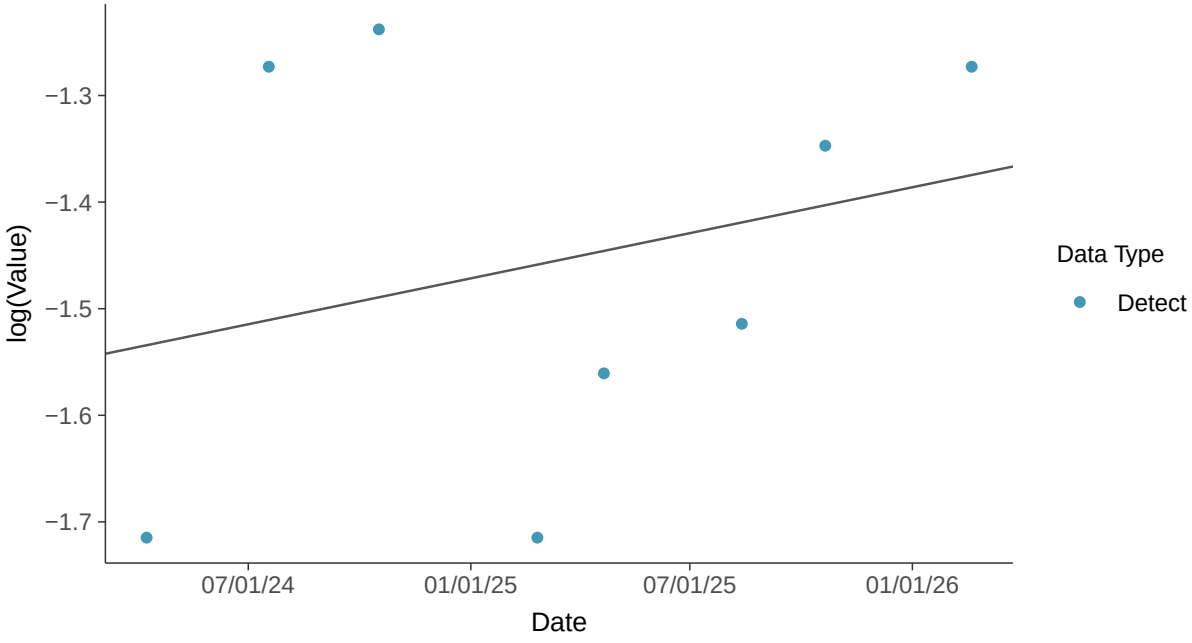
Gamma Q-Q plot

Barium, MW-16 (mg/L)



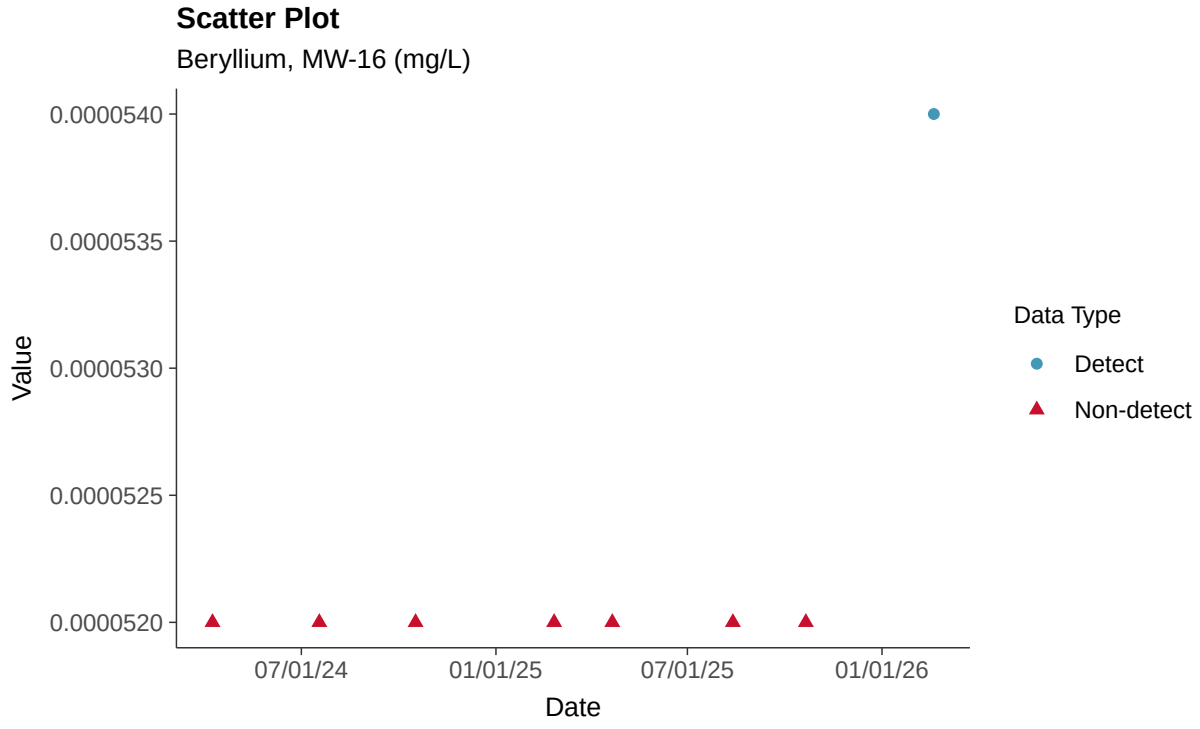
Trend Regression: Lognormal MLE

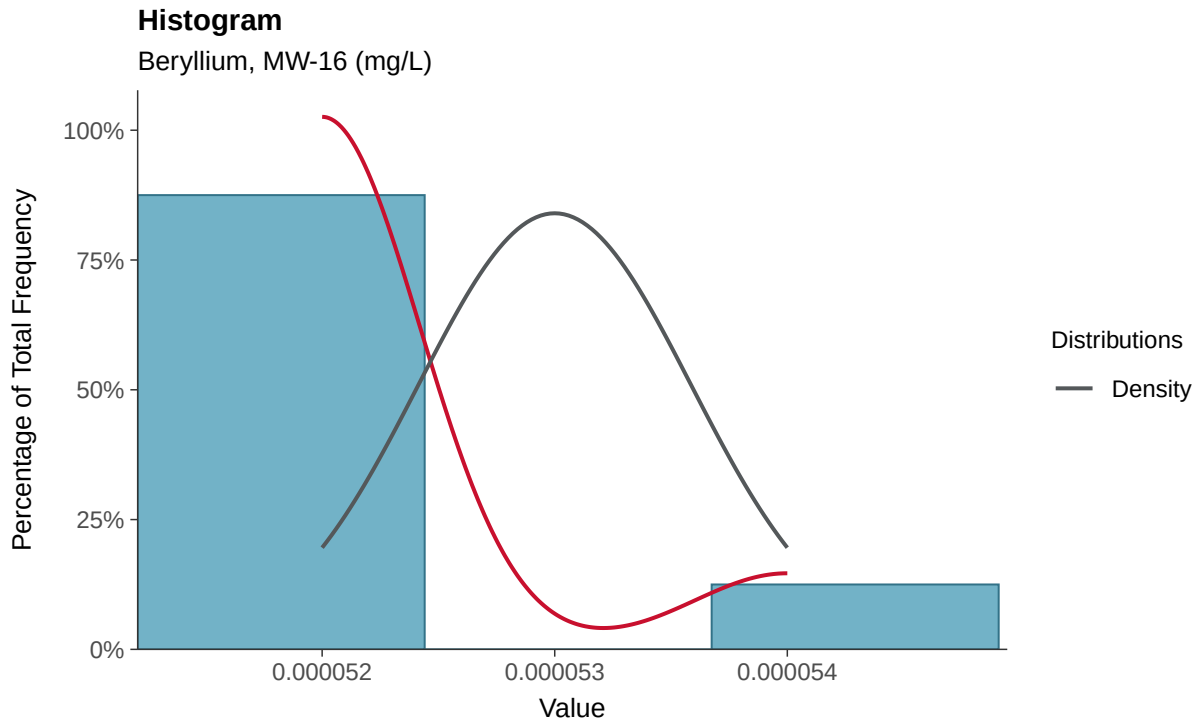
Barium, MW-16 (mg/L)



Appendix IV: Beryllium, MW-16

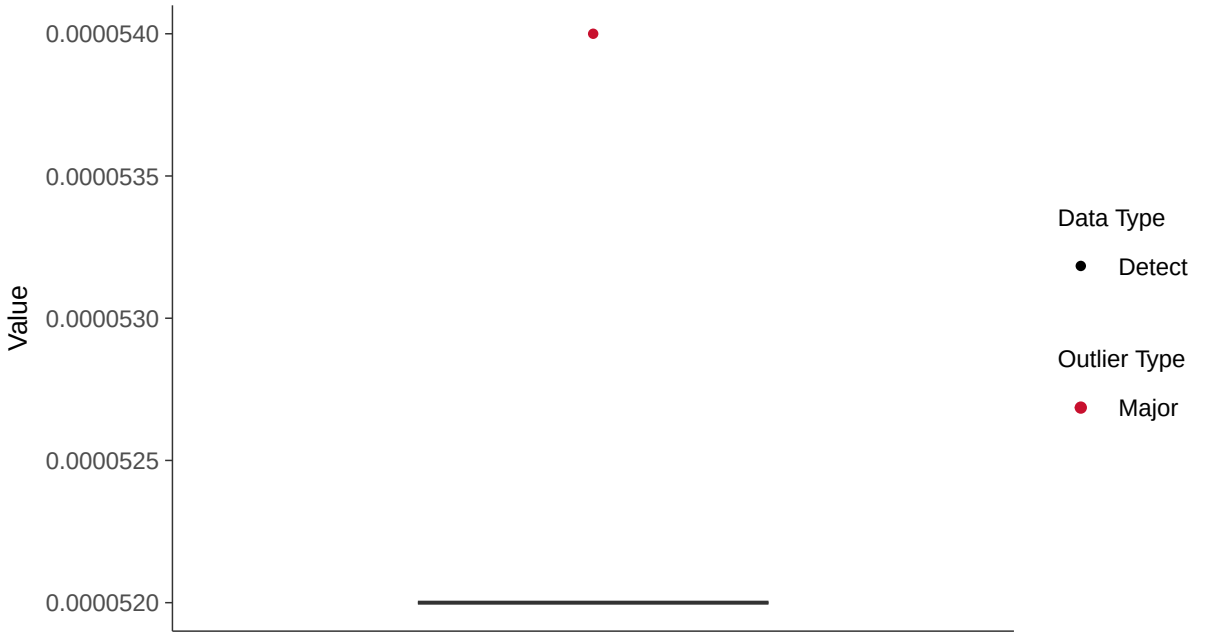
ID: 26_1_4_104





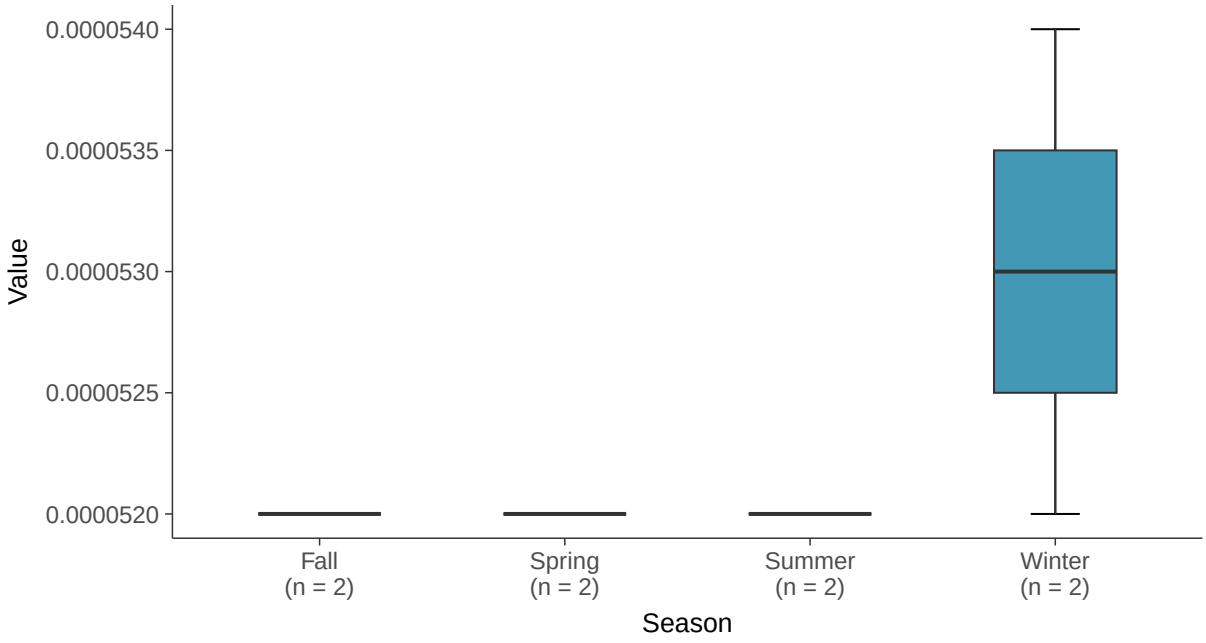
Boxplot

Beryllium, MW-16 (mg/L)



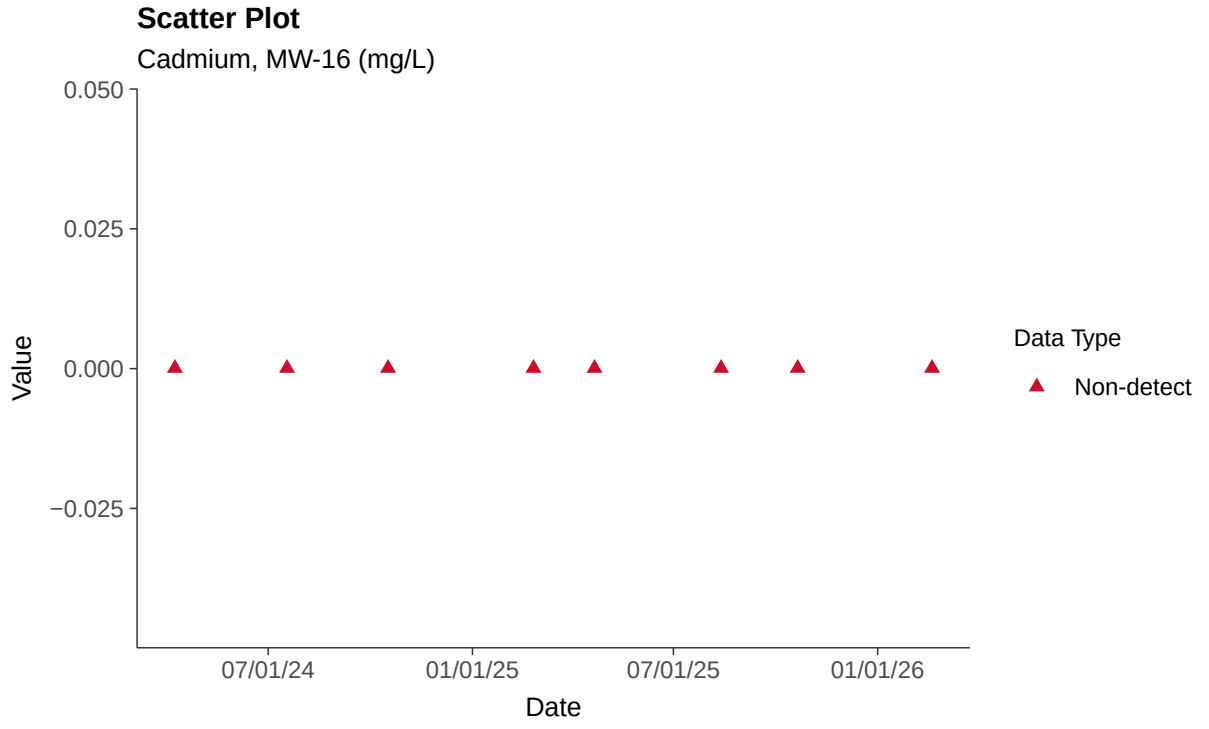
Boxplot by Season

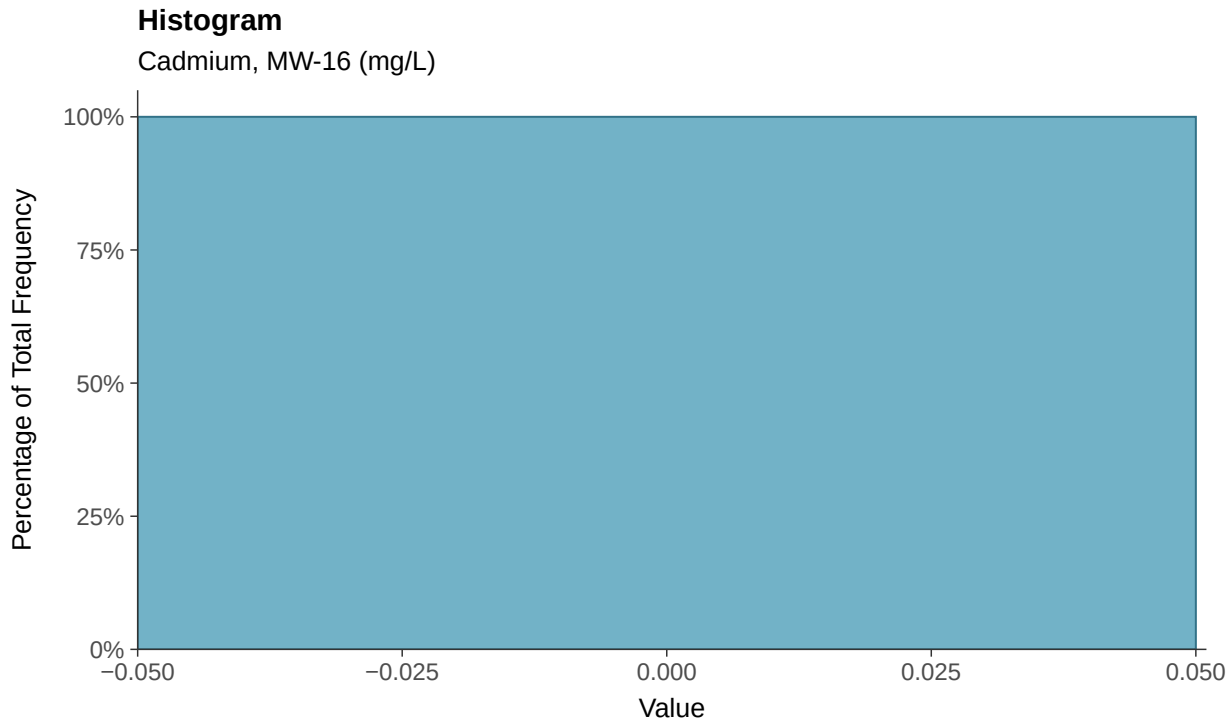
Beryllium, MW-16 (mg/L)



Appendix IV: Cadmium, MW-16

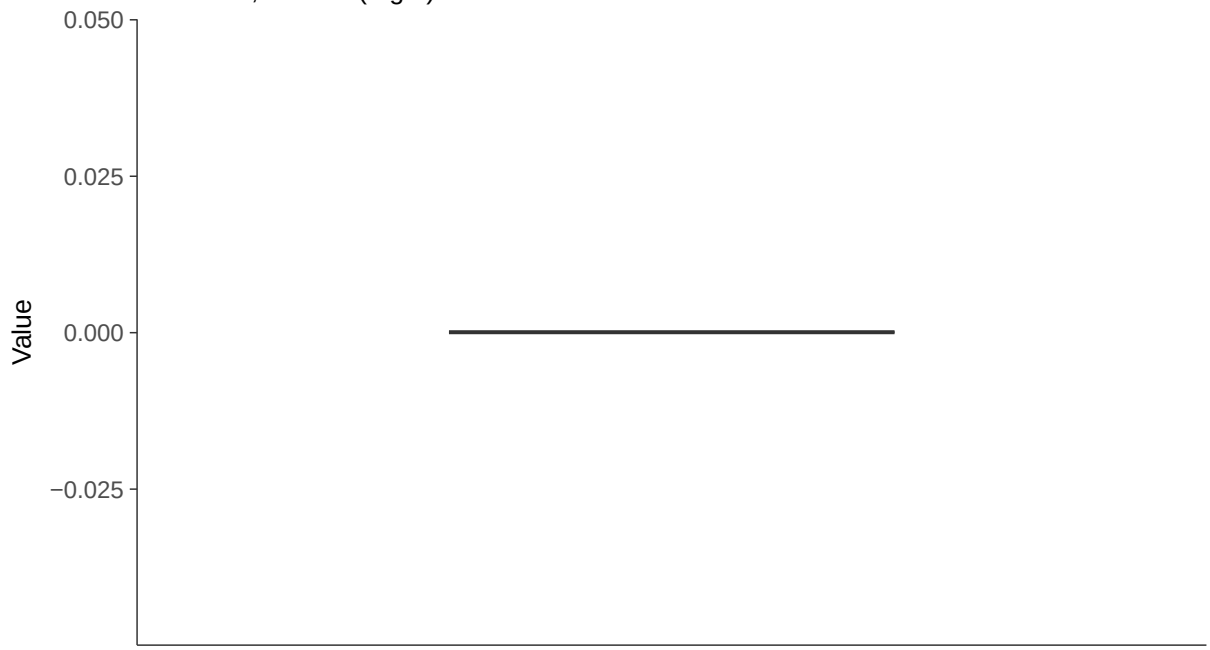
ID: 26_1_4_106





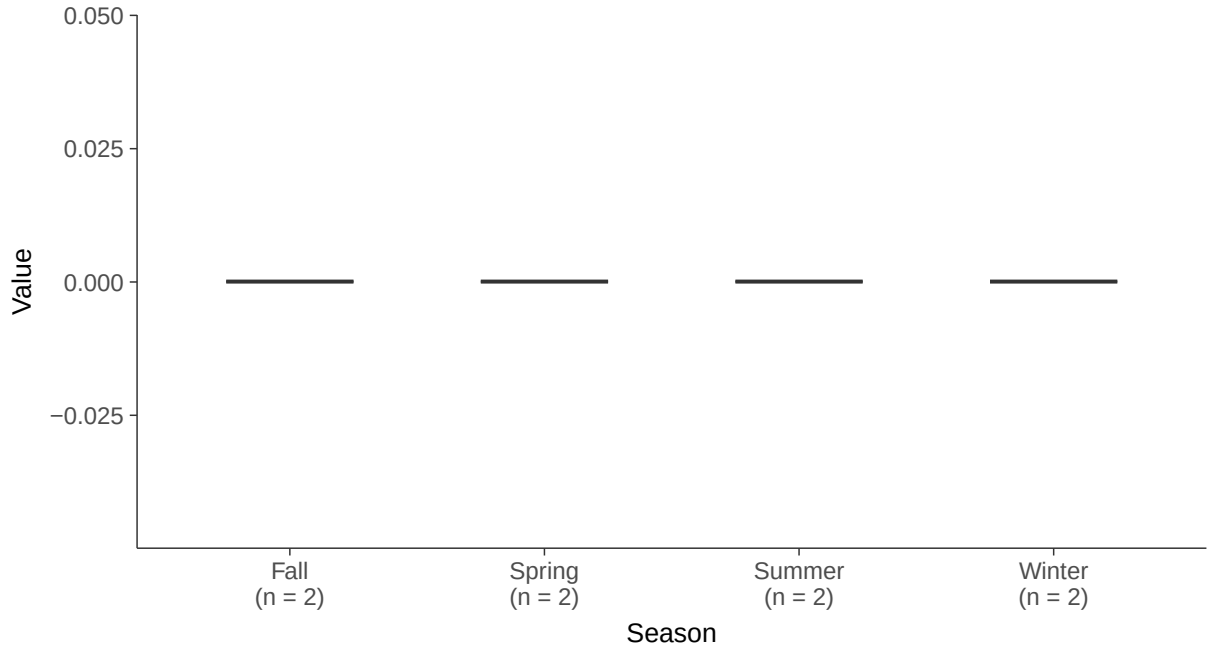
Boxplot

Cadmium, MW-16 (mg/L)



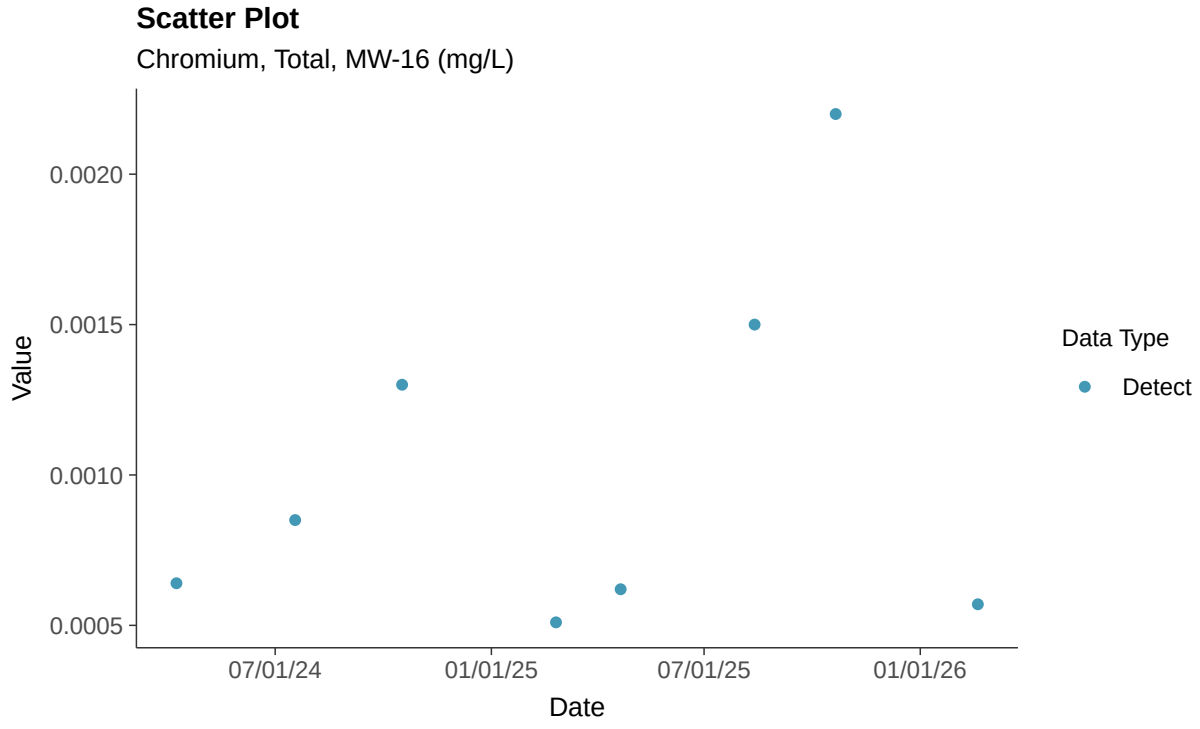
Boxplot by Season

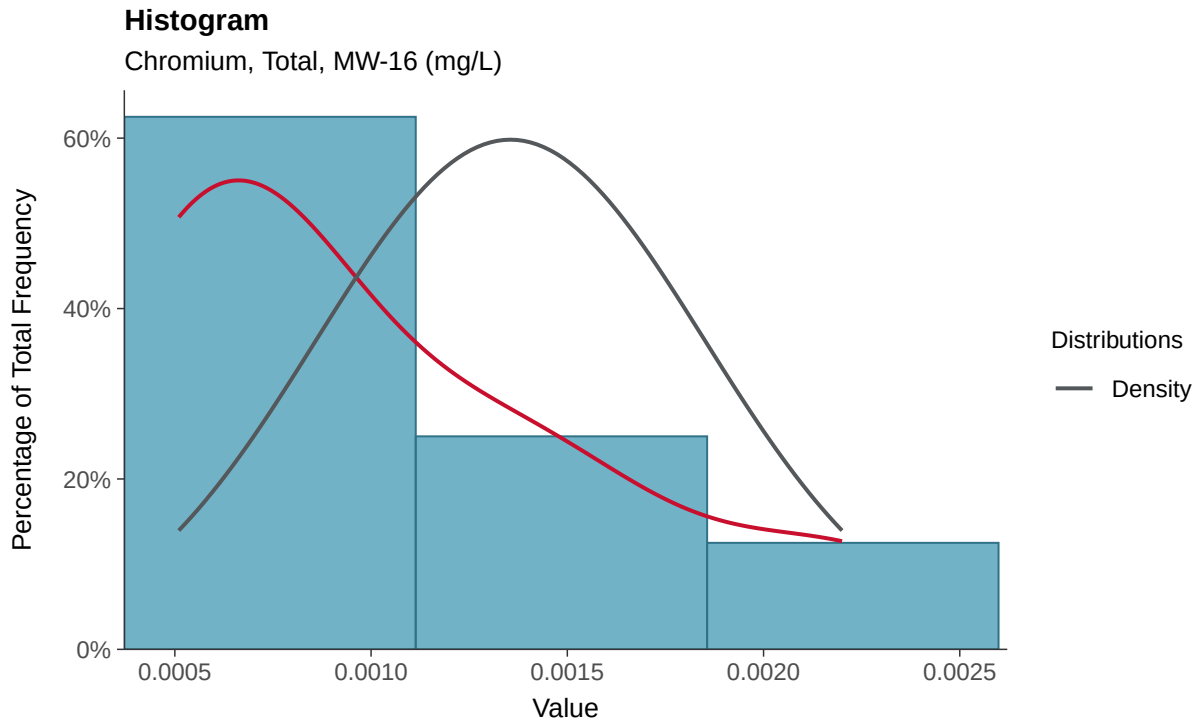
Cadmium, MW-16 (mg/L)



Appendix IV: Chromium, Total, MW-16

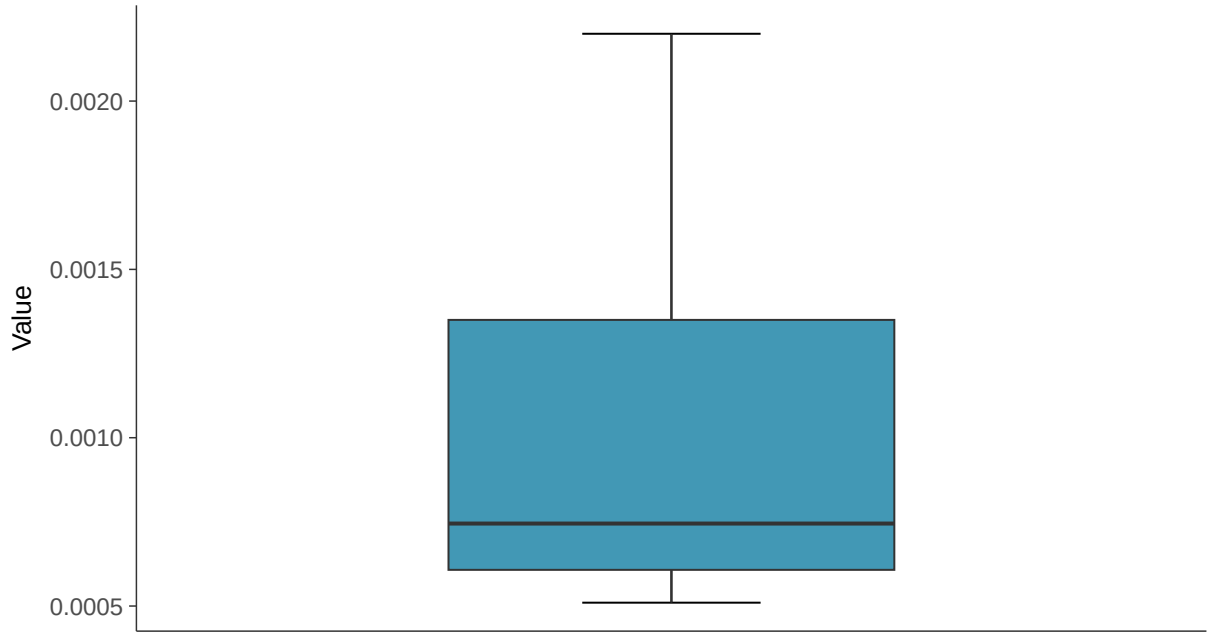
ID: 26_1_4_109





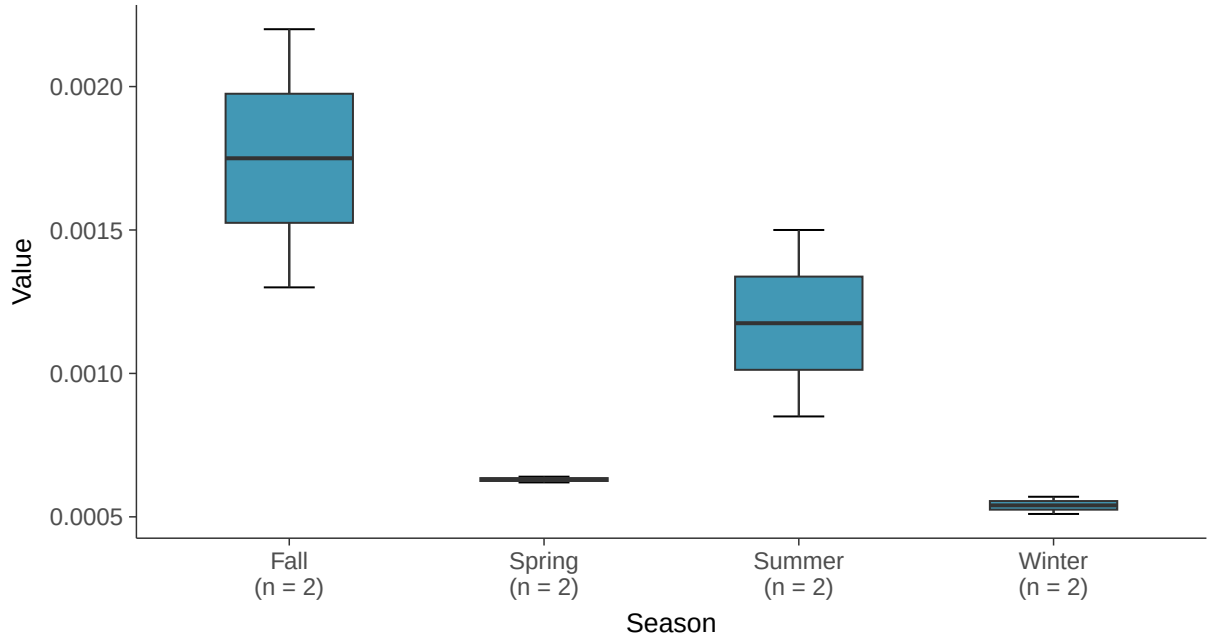
Boxplot

Chromium, Total, MW-16 (mg/L)



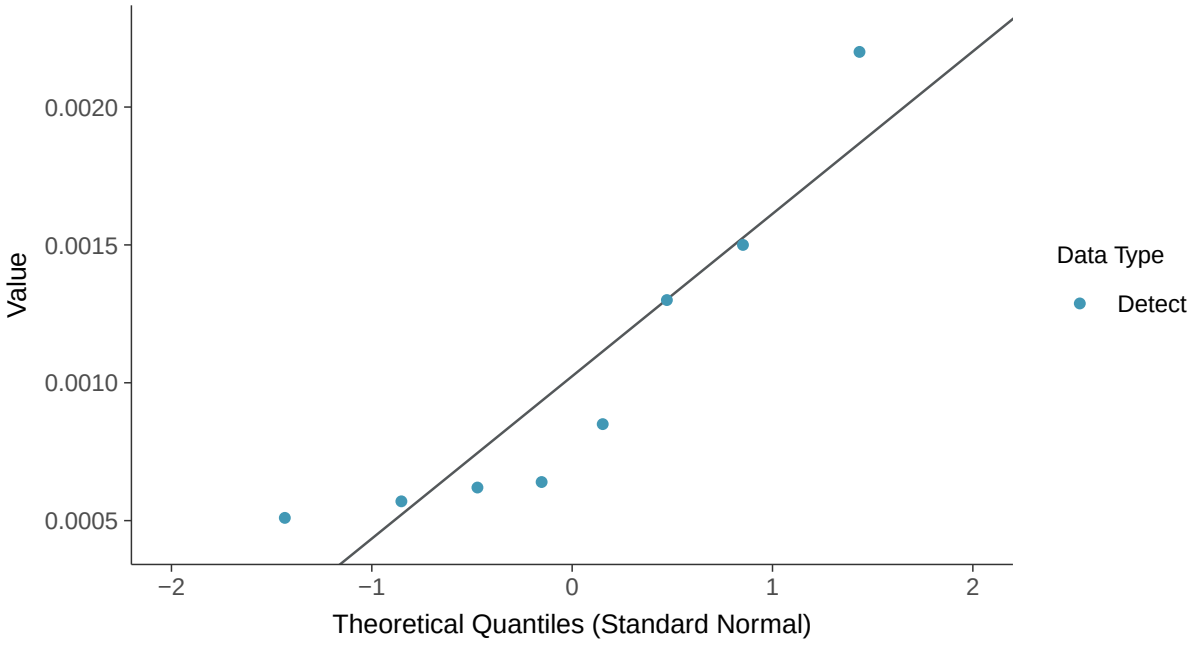
Boxplot by Season

Chromium, Total, MW-16 (mg/L)



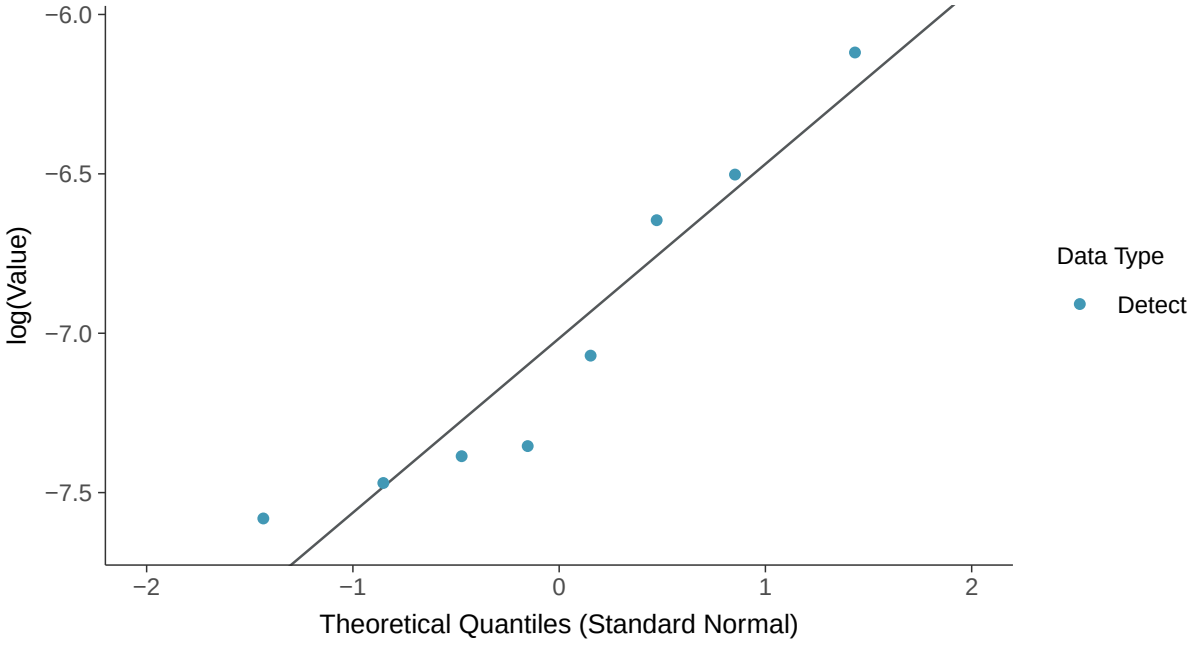
Normal Q-Q plot

Chromium, Total, MW-16 (mg/L)



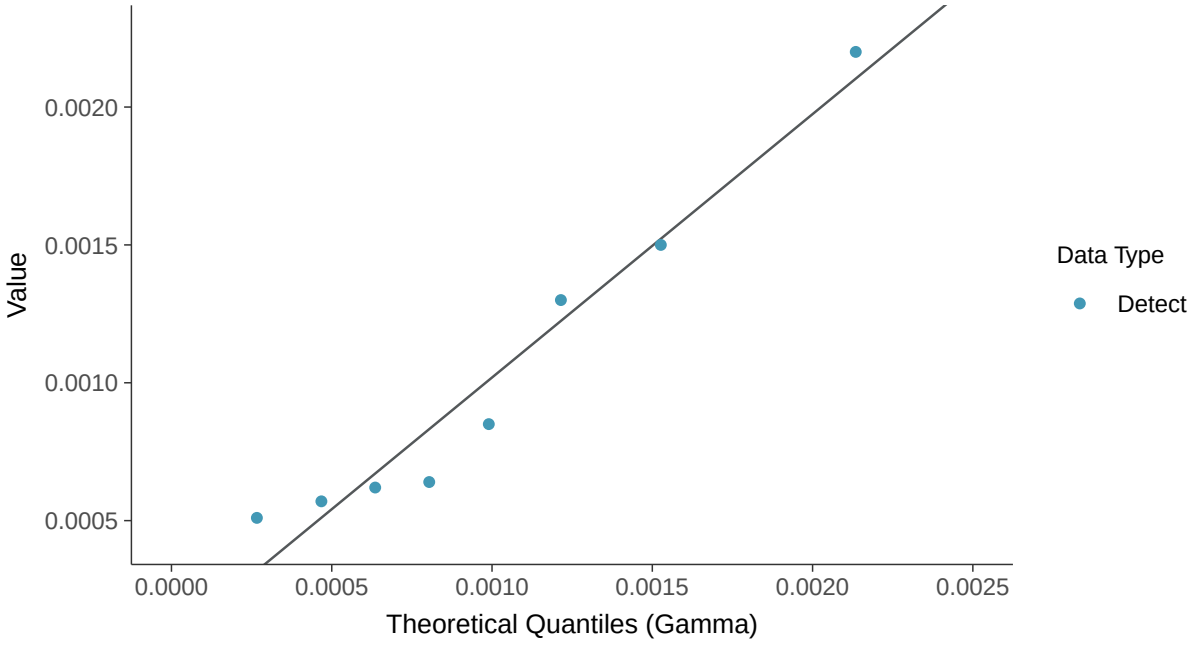
Lognormal Q-Q plot

Chromium, Total, MW-16 (mg/L)



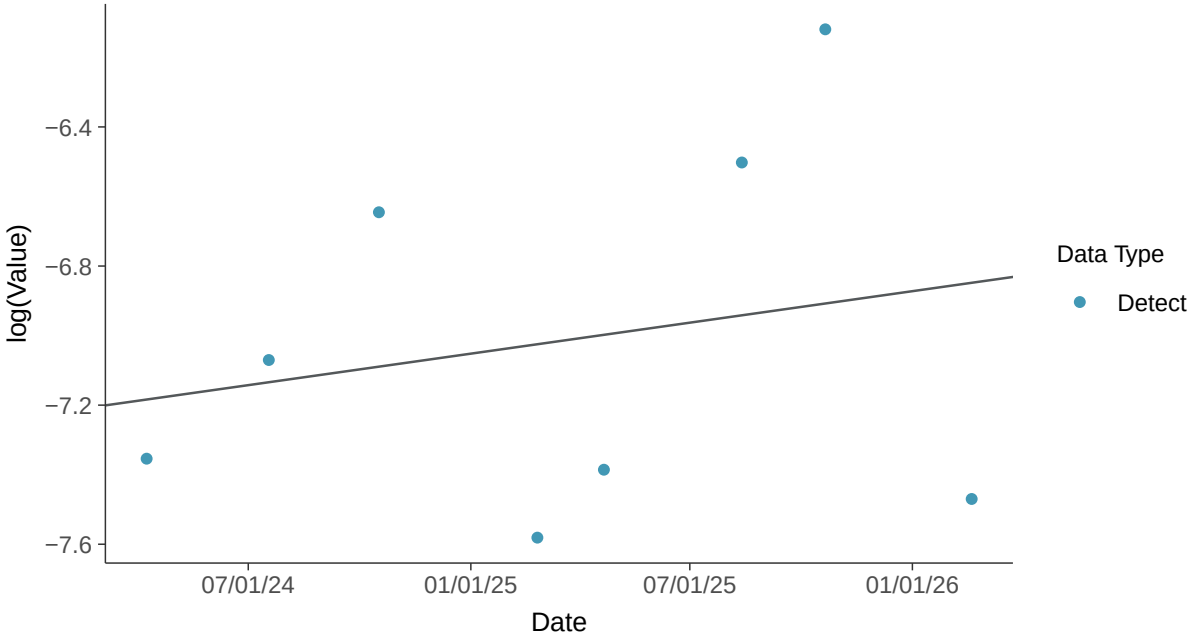
Gamma Q-Q plot

Chromium, Total, MW-16 (mg/L)



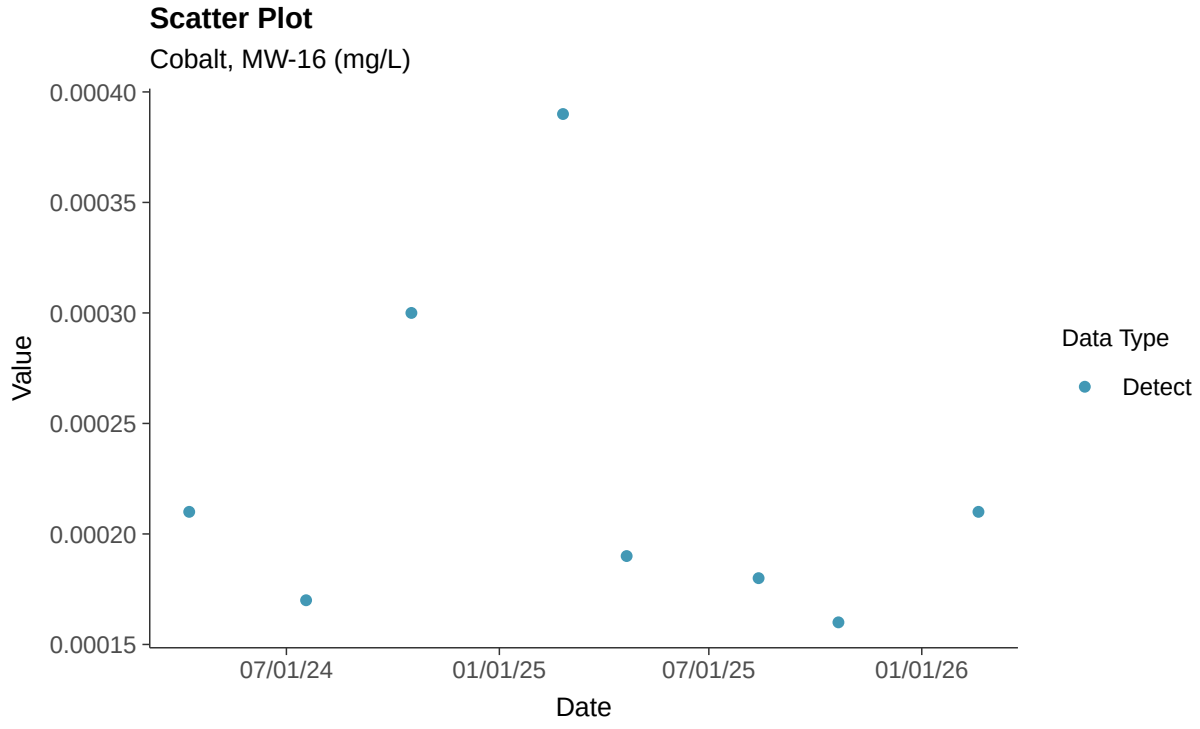
Trend Regression: Lognormal MLE

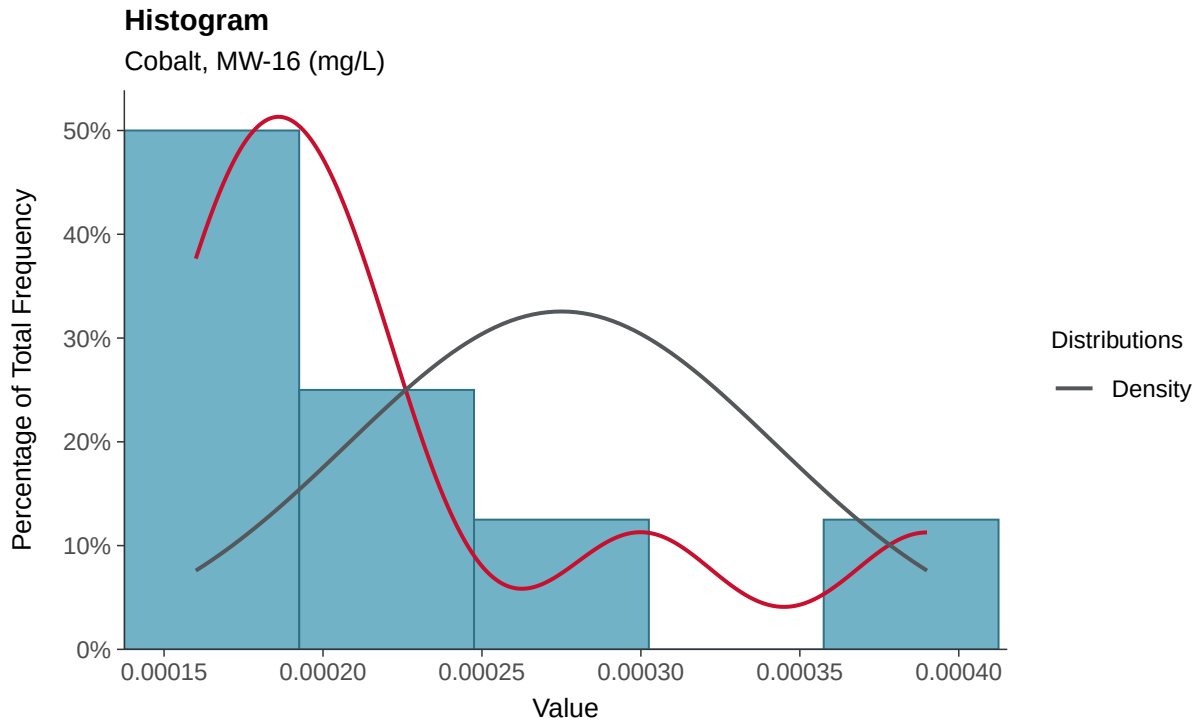
Chromium, Total, MW-16 (mg/L)



Appendix IV: Cobalt, MW-16

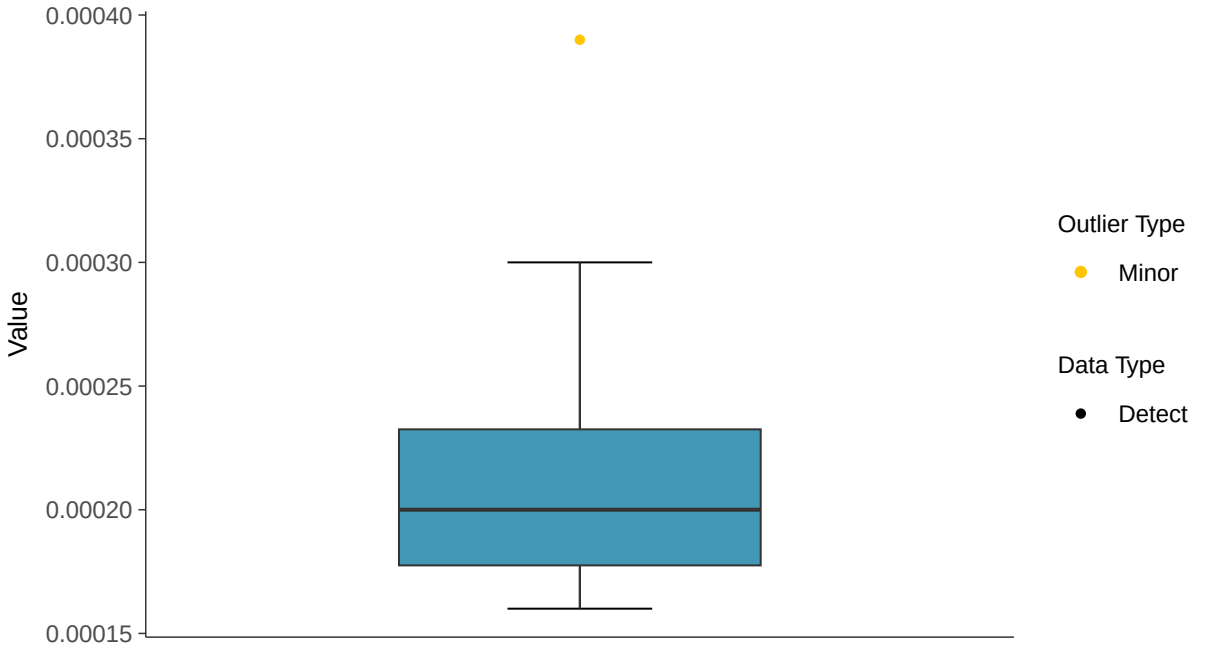
ID: 26_1_4_110





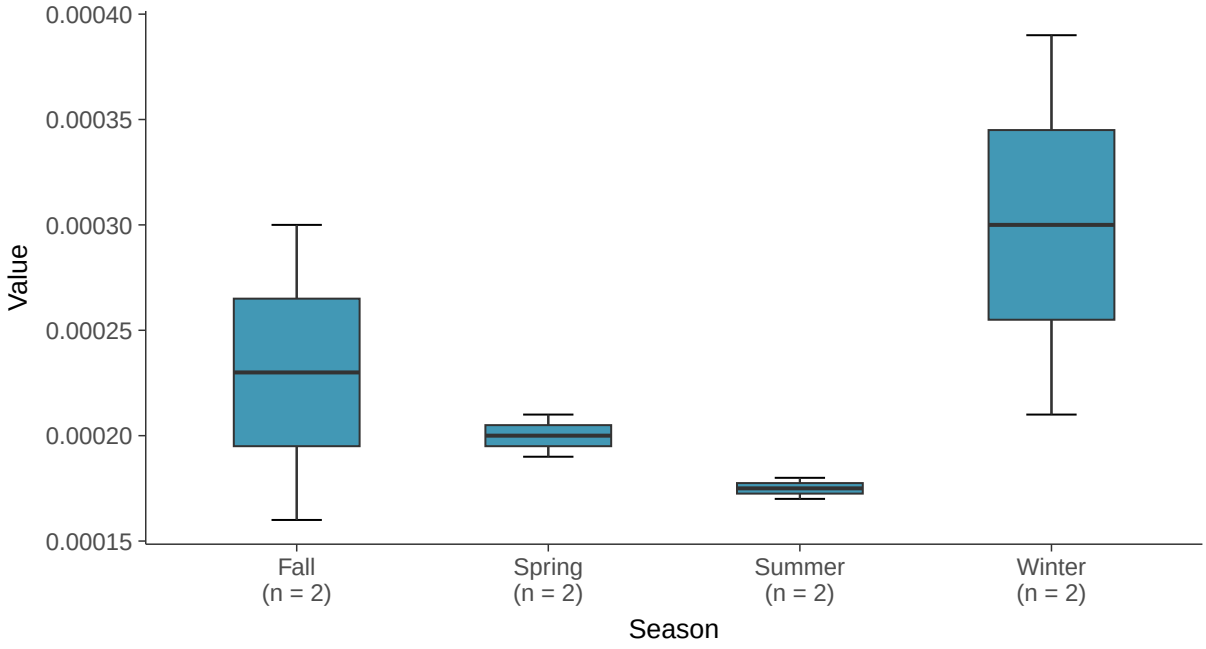
Boxplot

Cobalt, MW-16 (mg/L)



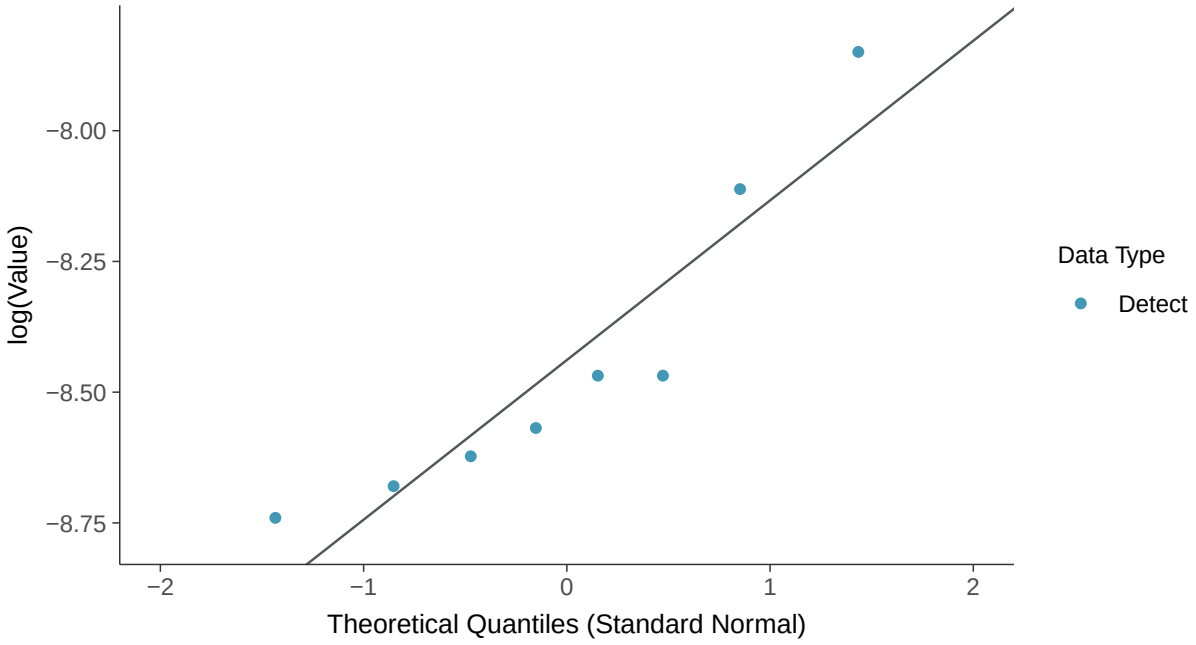
Boxplot by Season

Cobalt, MW-16 (mg/L)



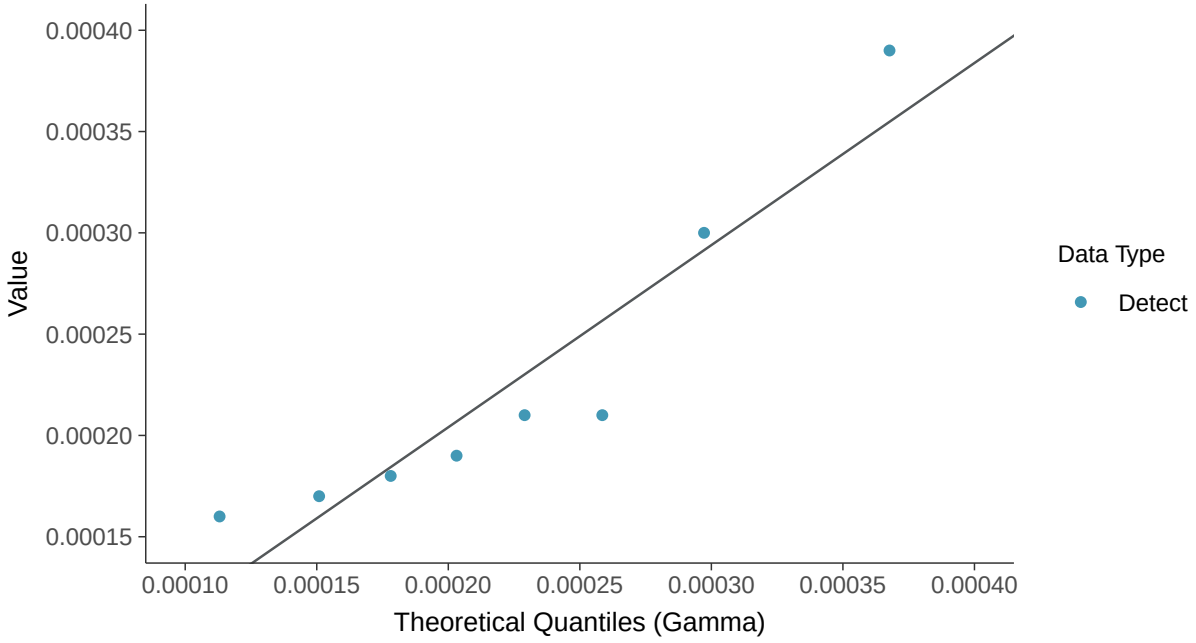
Lognormal Q-Q plot

Cobalt, MW-16 (mg/L)



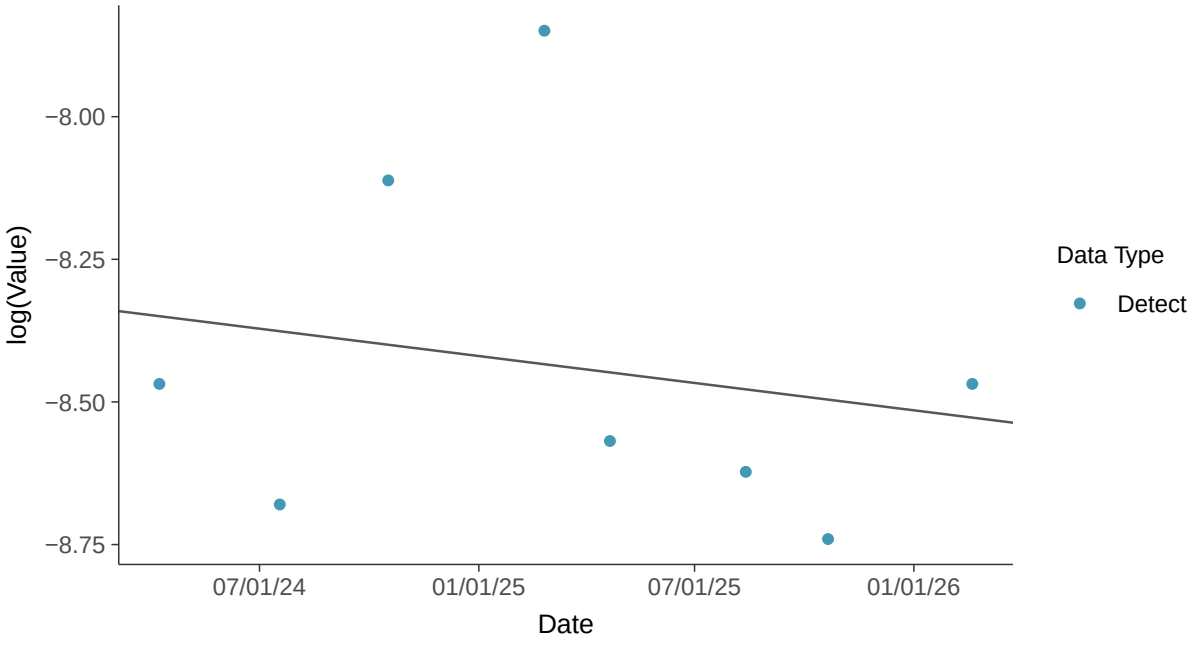
Gamma Q-Q plot

Cobalt, MW-16 (mg/L)



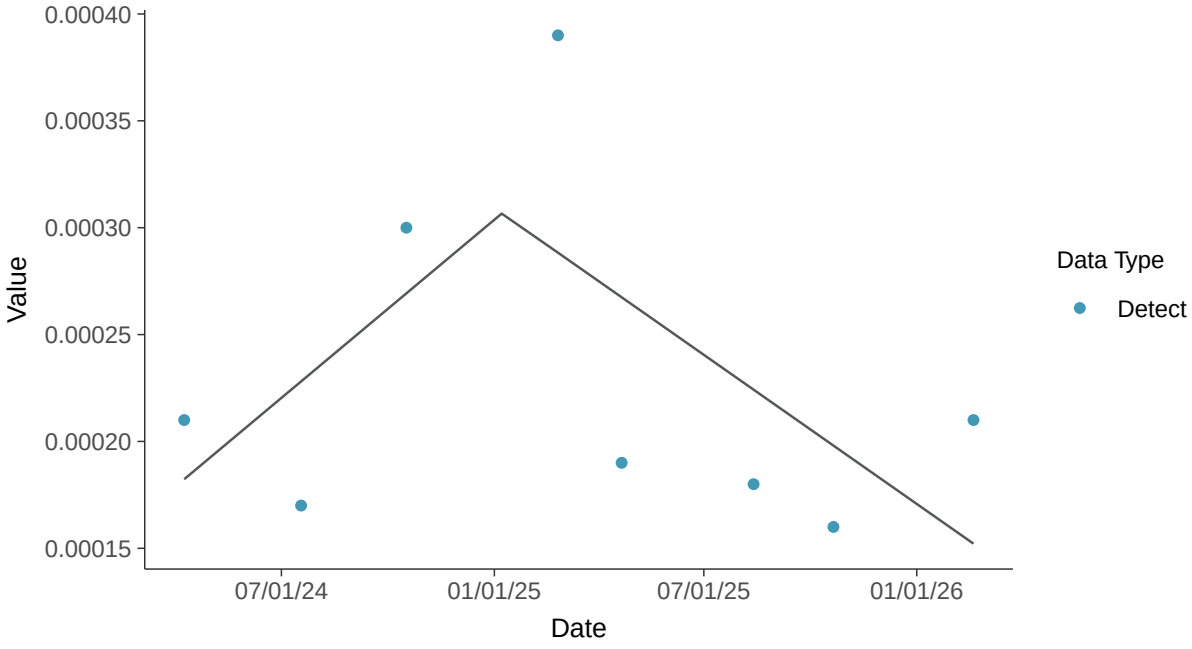
Trend Regression: Lognormal MLE

Cobalt, MW-16 (mg/L)



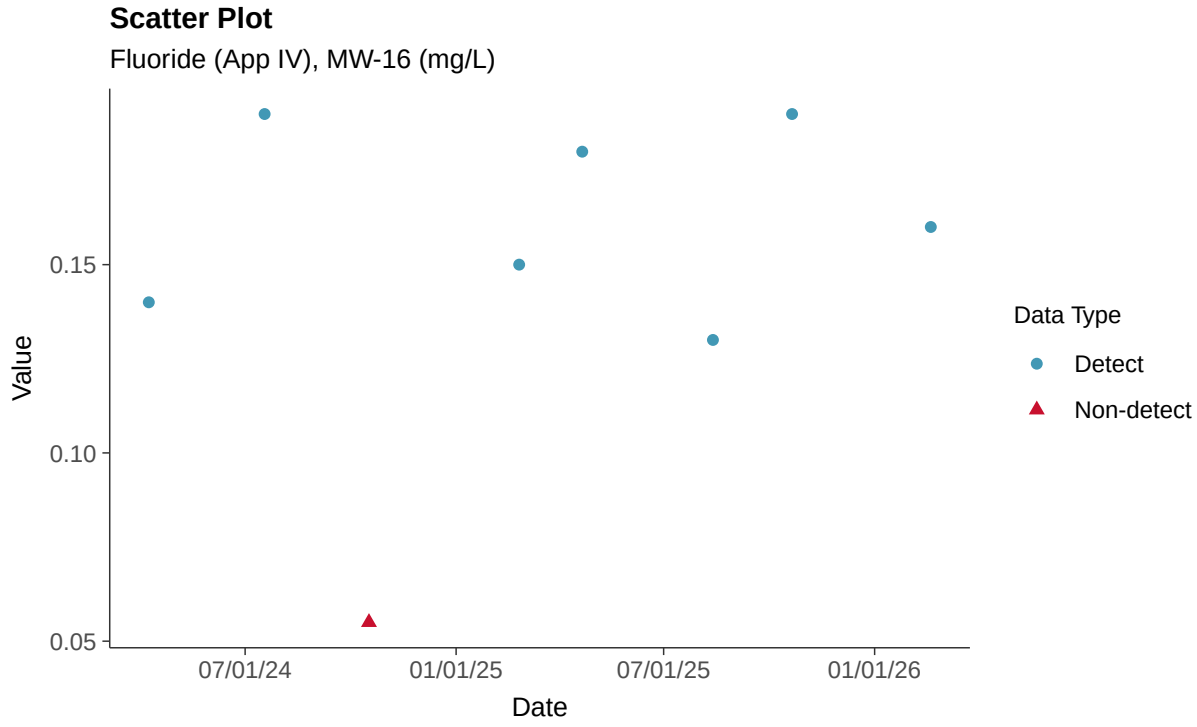
Trend Regression: Piecewise Linear-Linear

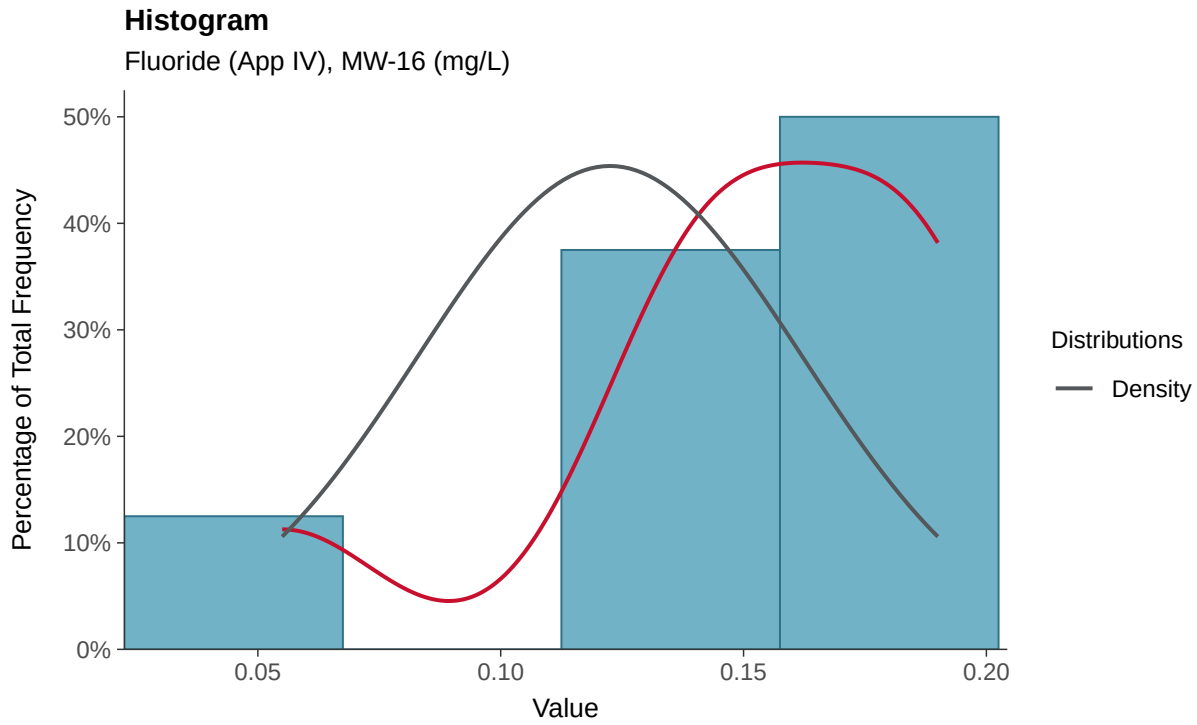
Cobalt, MW-16 (mg/L)



Appendix IV: Fluoride (App IV), MW-16

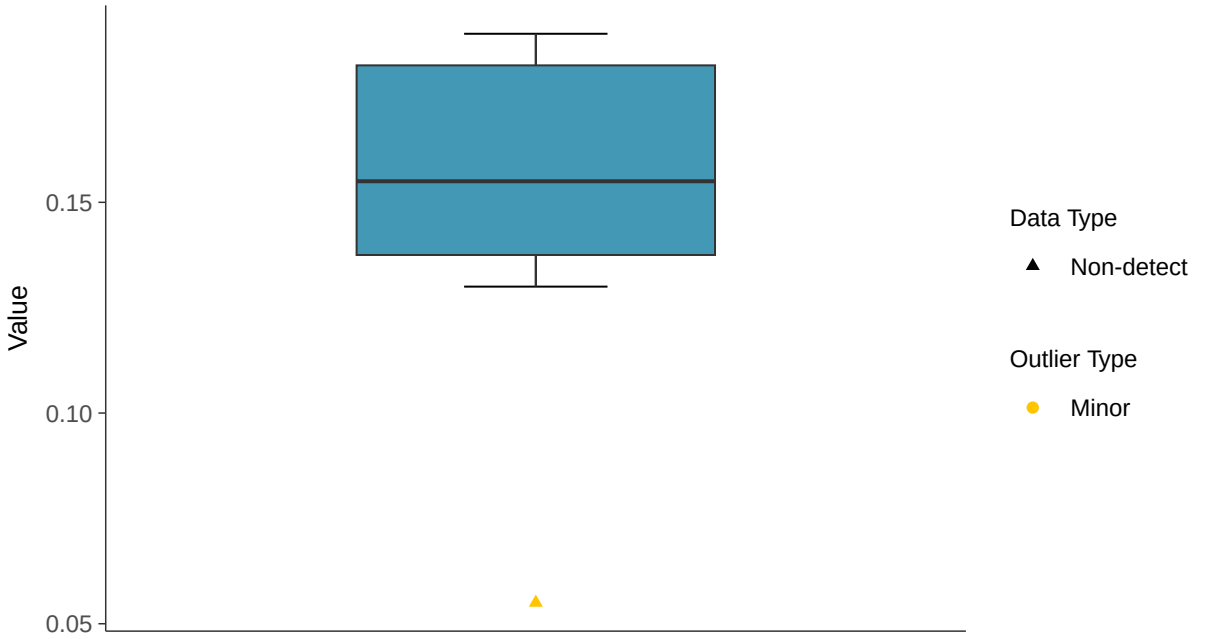
ID: 26_1_4_113





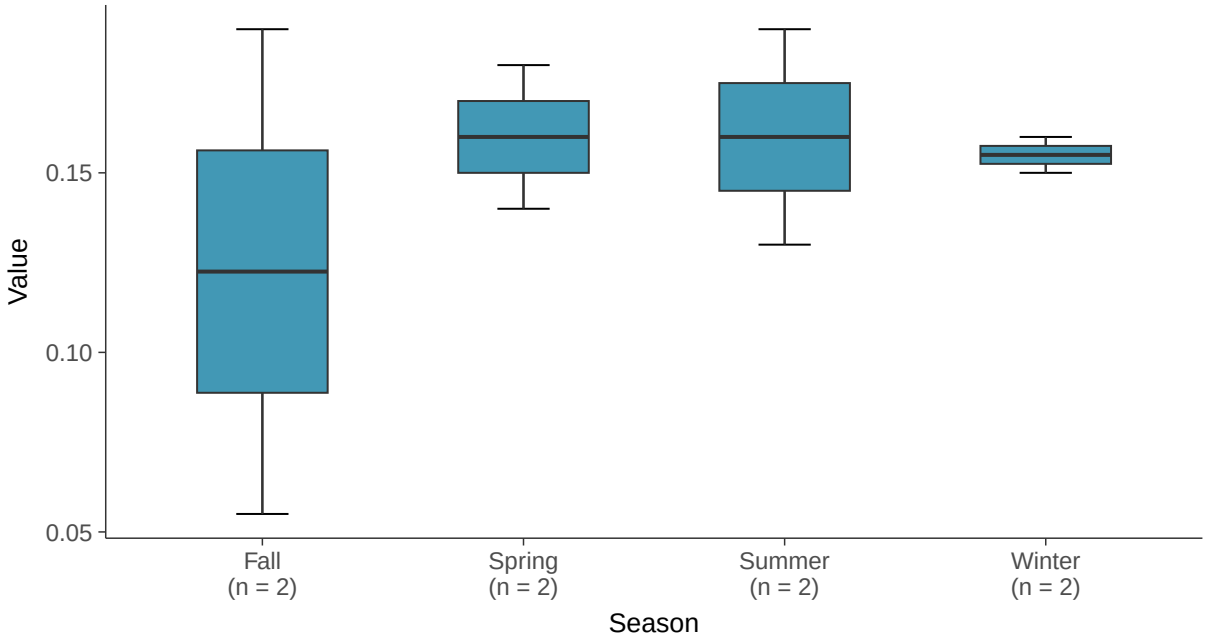
Boxplot

Fluoride (App IV), MW-16 (mg/L)



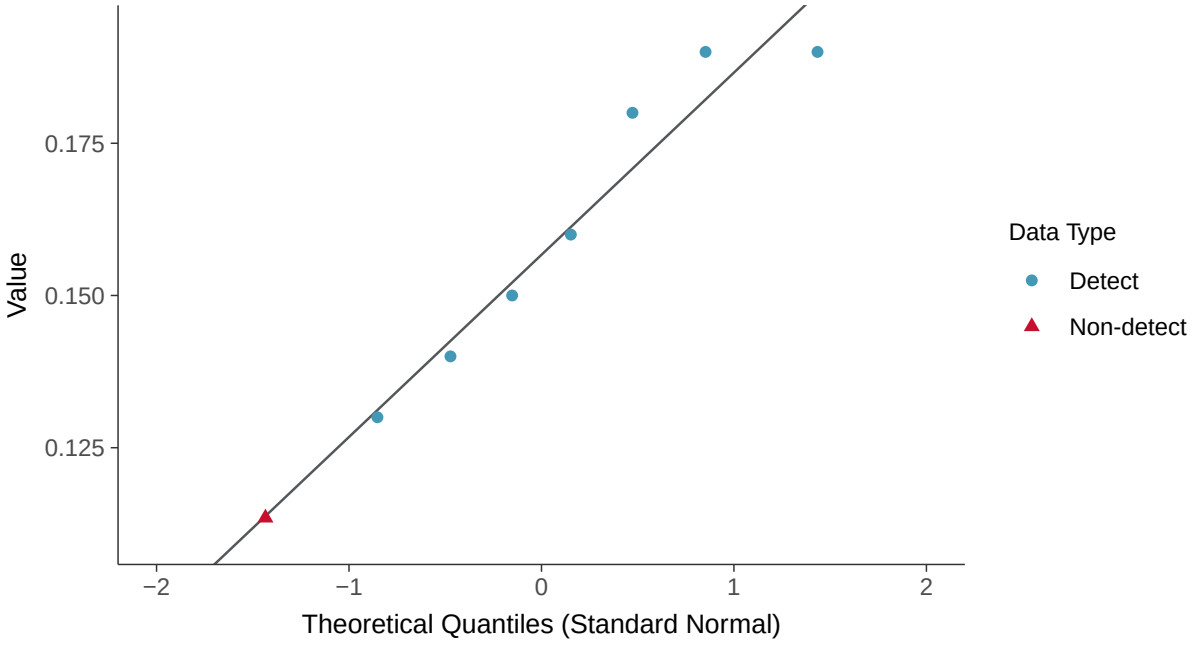
Boxplot by Season

Fluoride (App IV), MW-16 (mg/L)



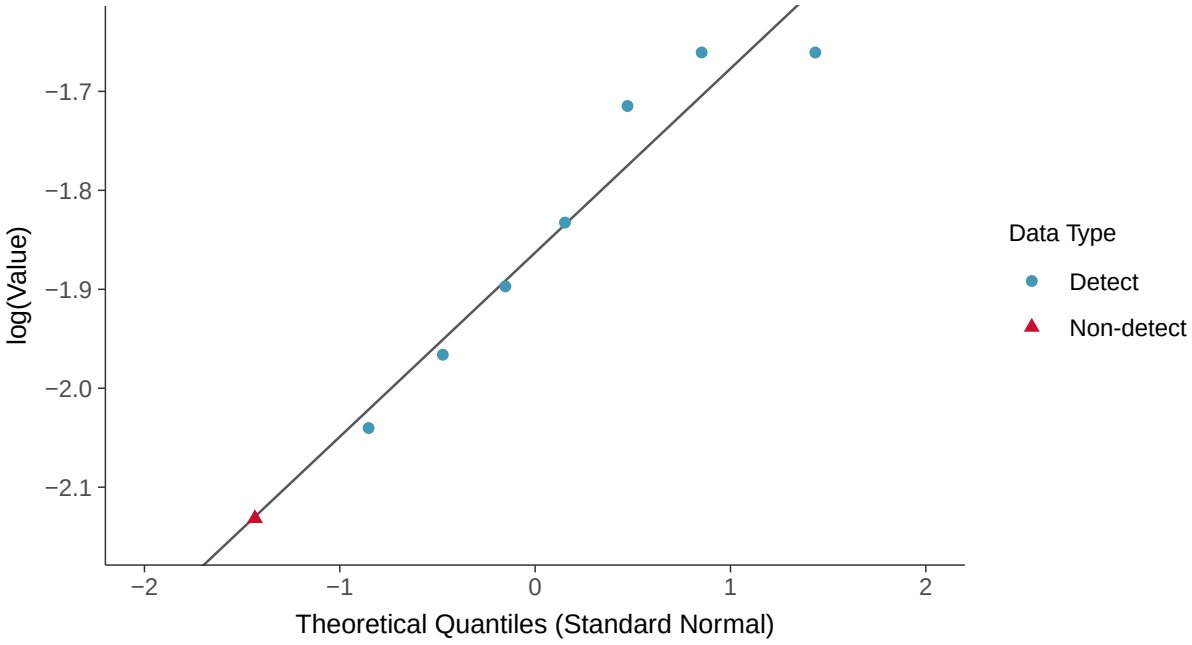
Normal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-16 (mg/L)



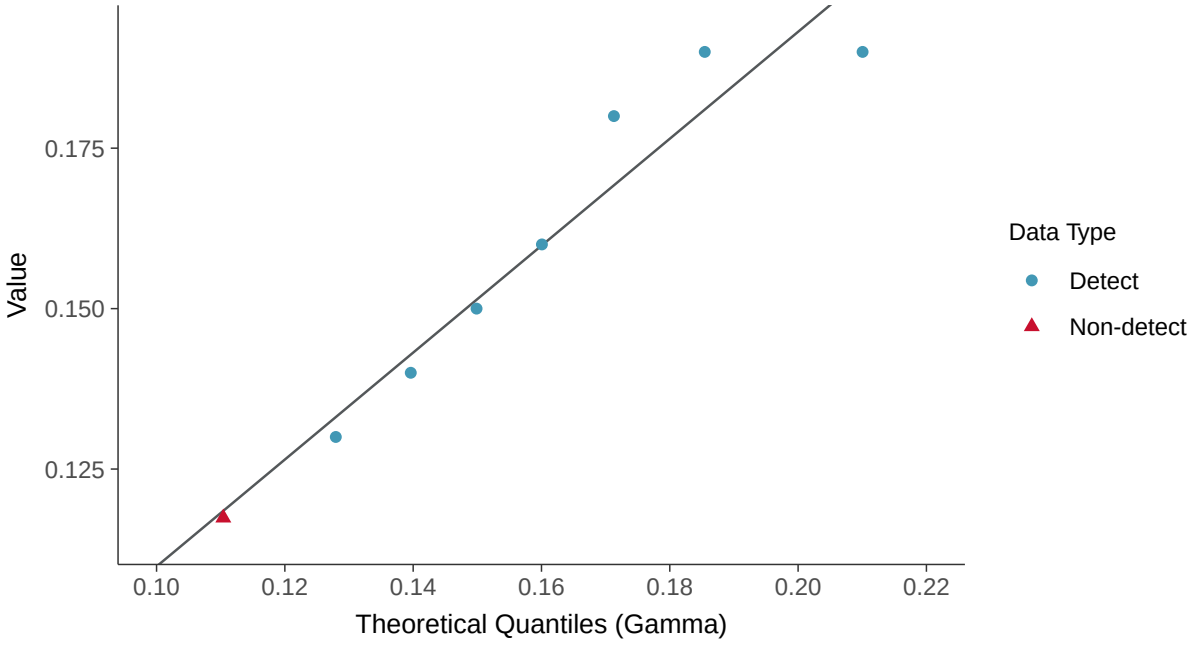
Lognormal Q-Q plot using ROS Imputed Estimates

Fluoride (App IV), MW-16 (mg/L)



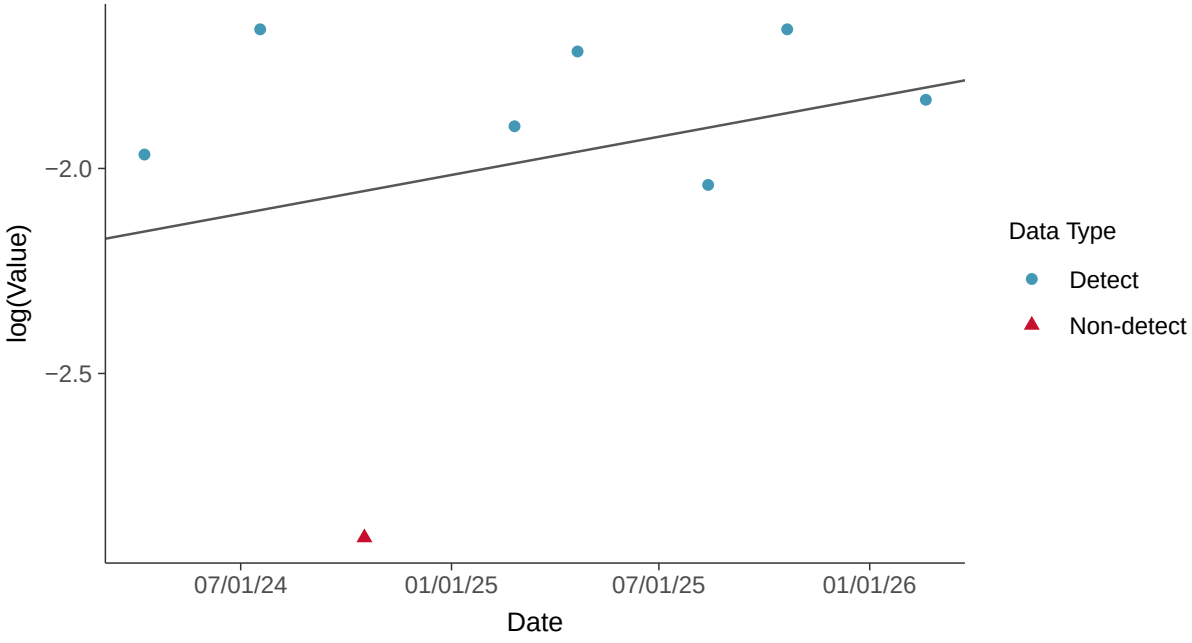
Gamma Q-Q plot using ROS Imputed Estimates

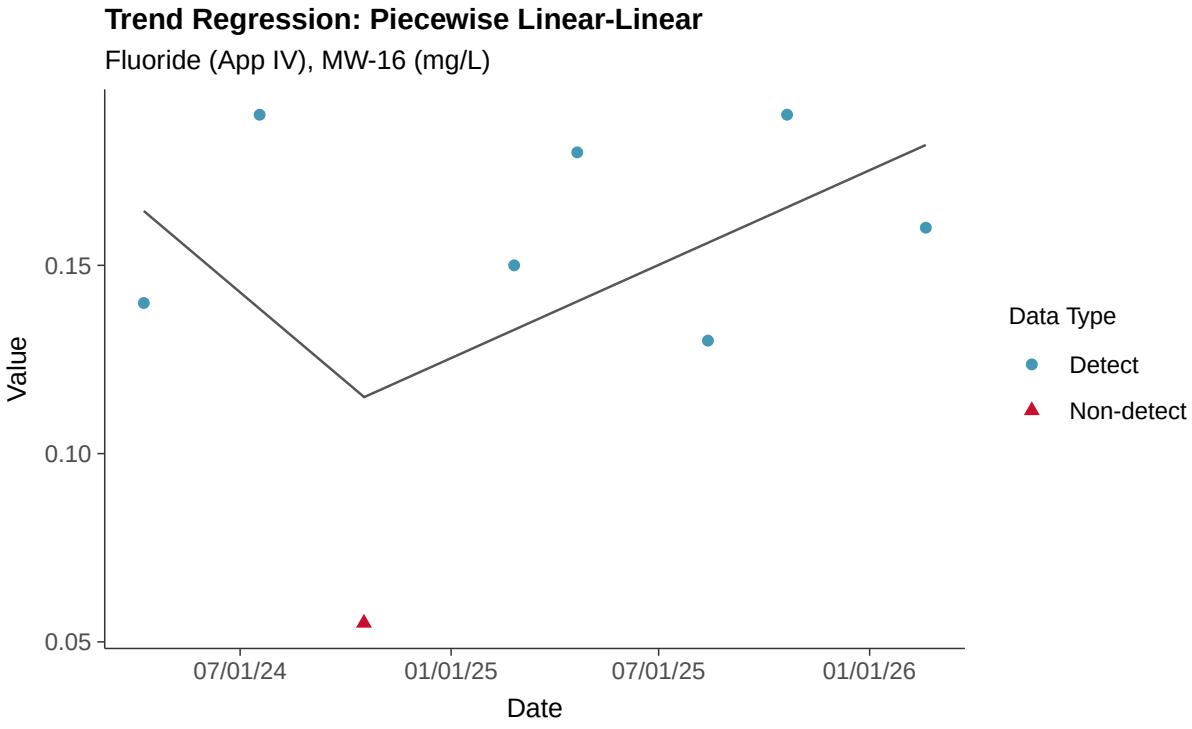
Fluoride (App IV), MW-16 (mg/L)



Trend Regression: Lognormal MLE

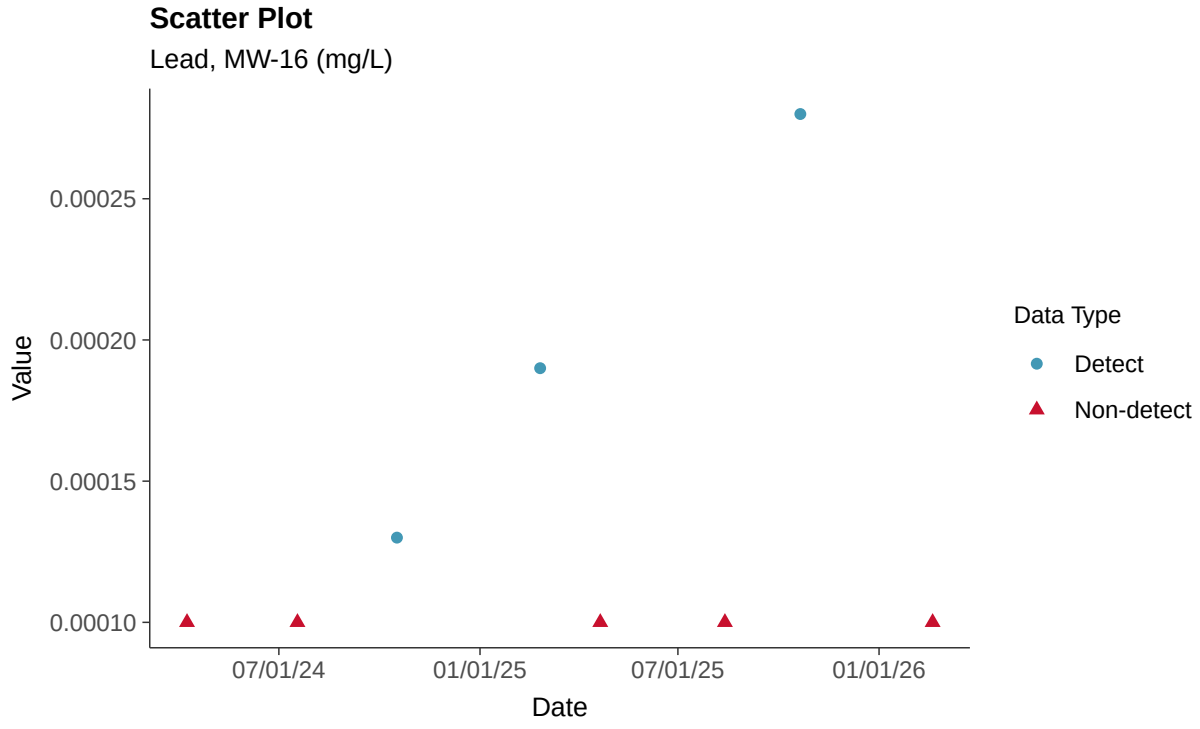
Fluoride (App IV), MW-16 (mg/L)

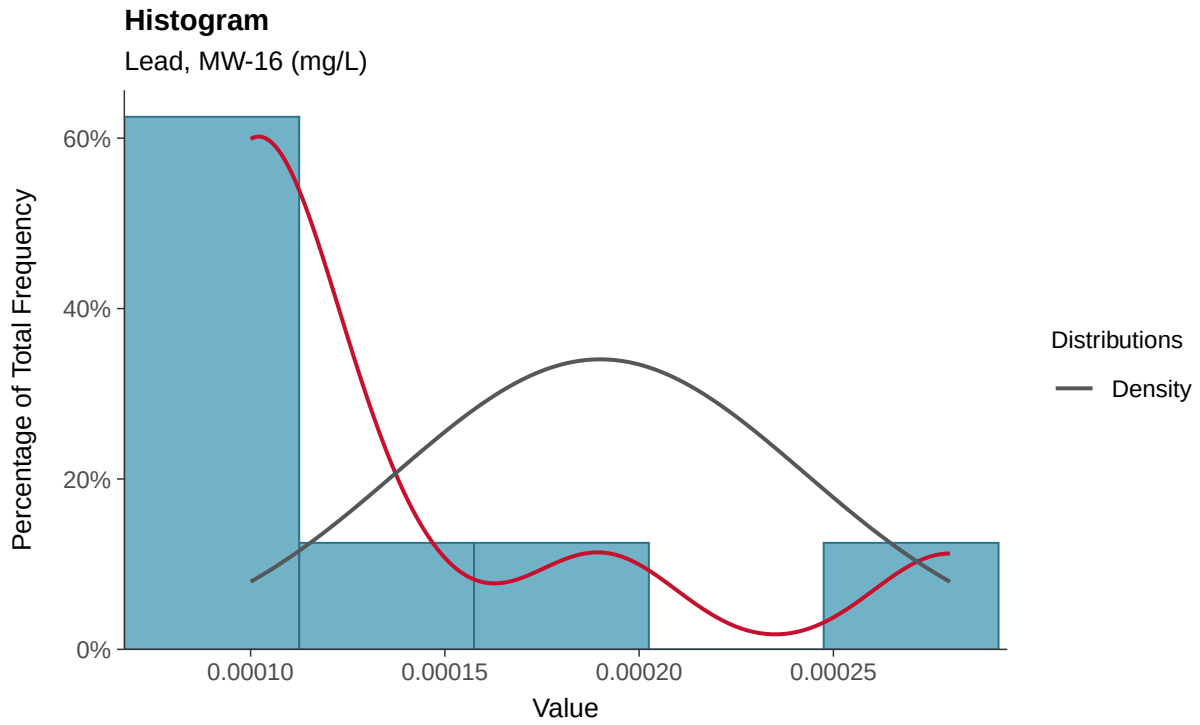



Trend Regression: Piecewise Linear-Linear
Fluoride (App IV), MW-16 (mg/L)
Value
0.15
0.10
0.05
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Lead, MW-16

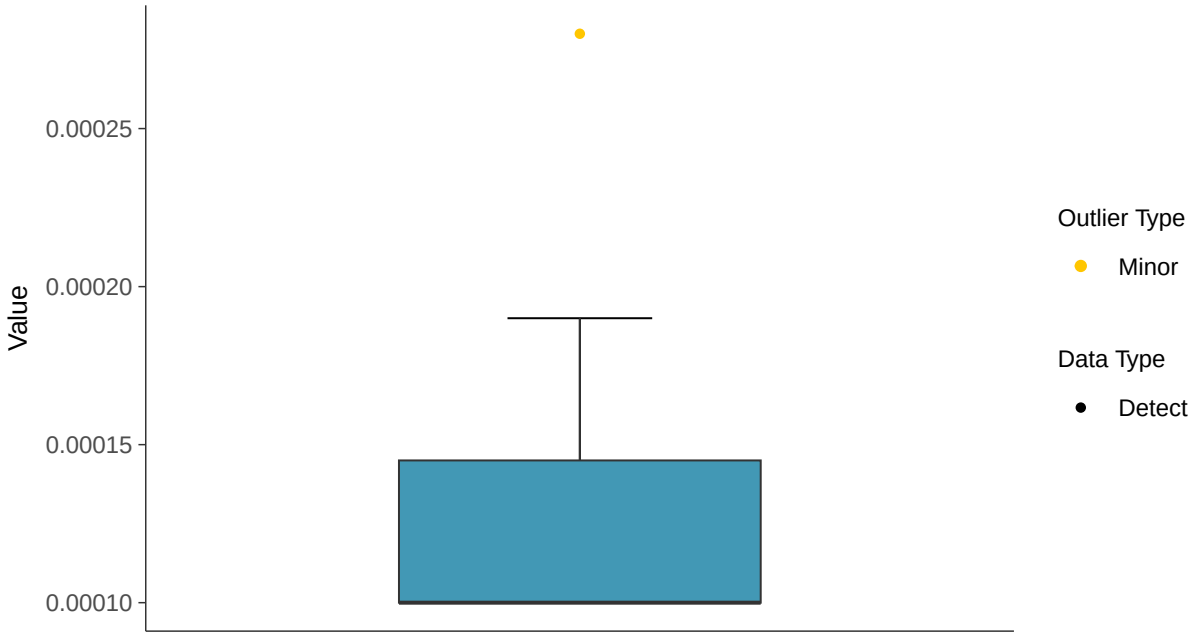
ID: 26_1_4_115





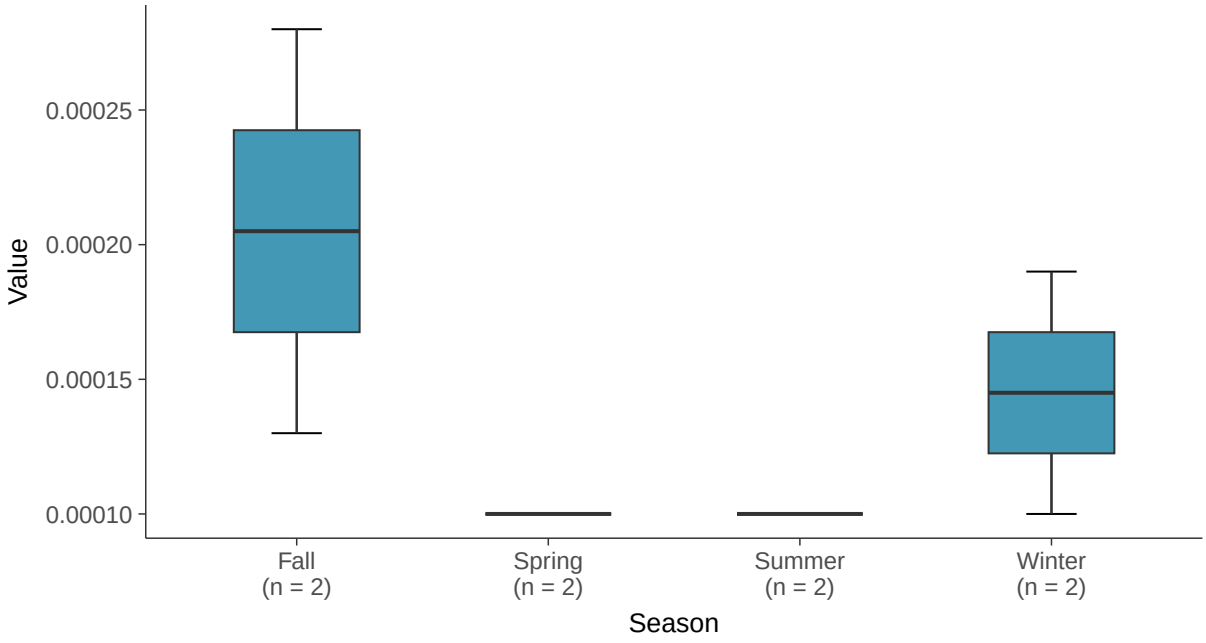
Boxplot

Lead, MW-16 (mg/L)



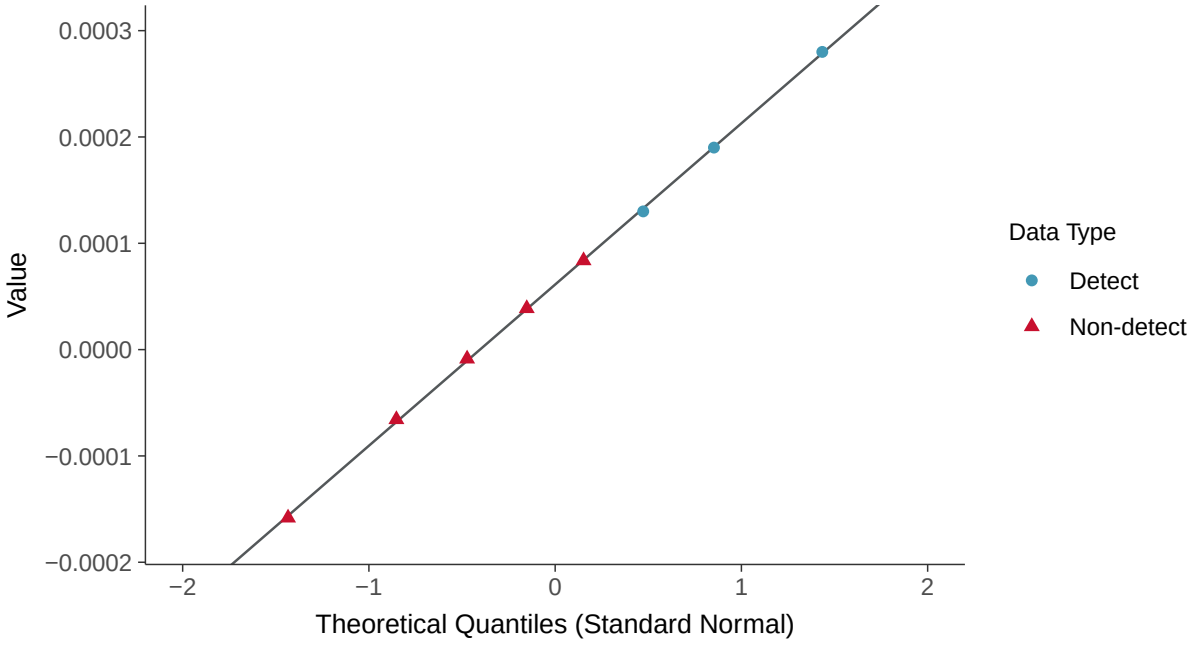
Boxplot by Season

Lead, MW-16 (mg/L)



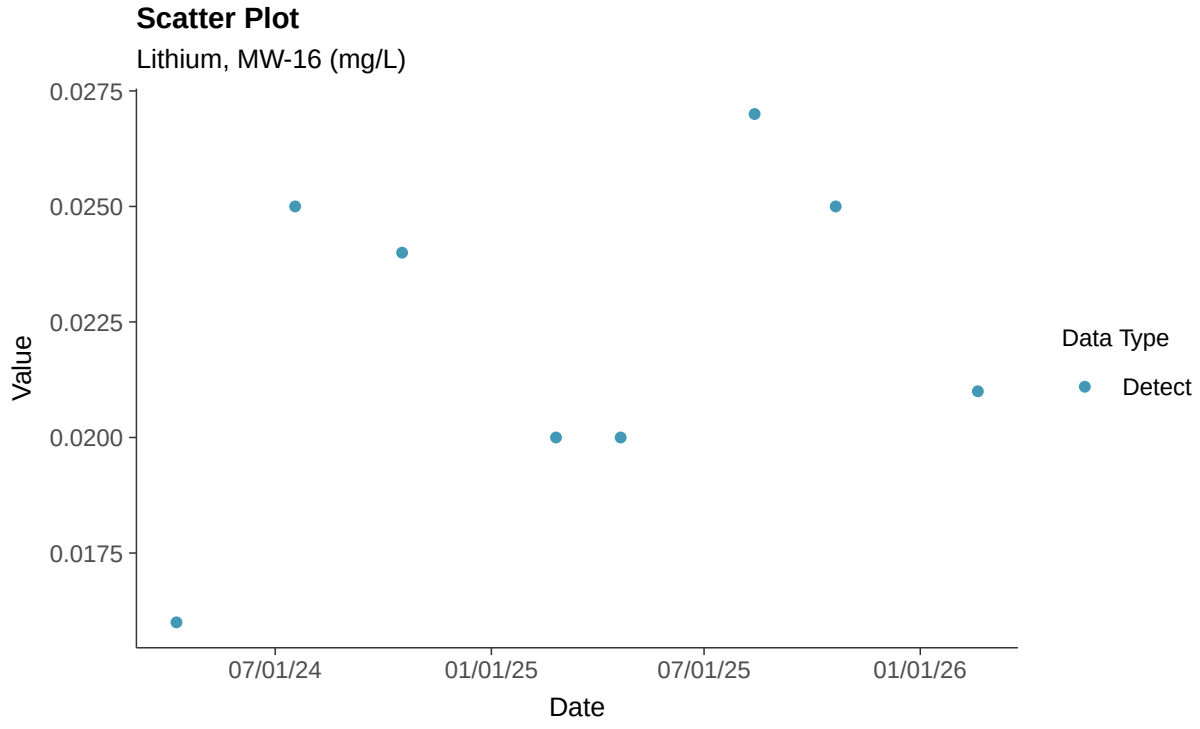
Normal Q-Q plot using ROS Imputed Estimates

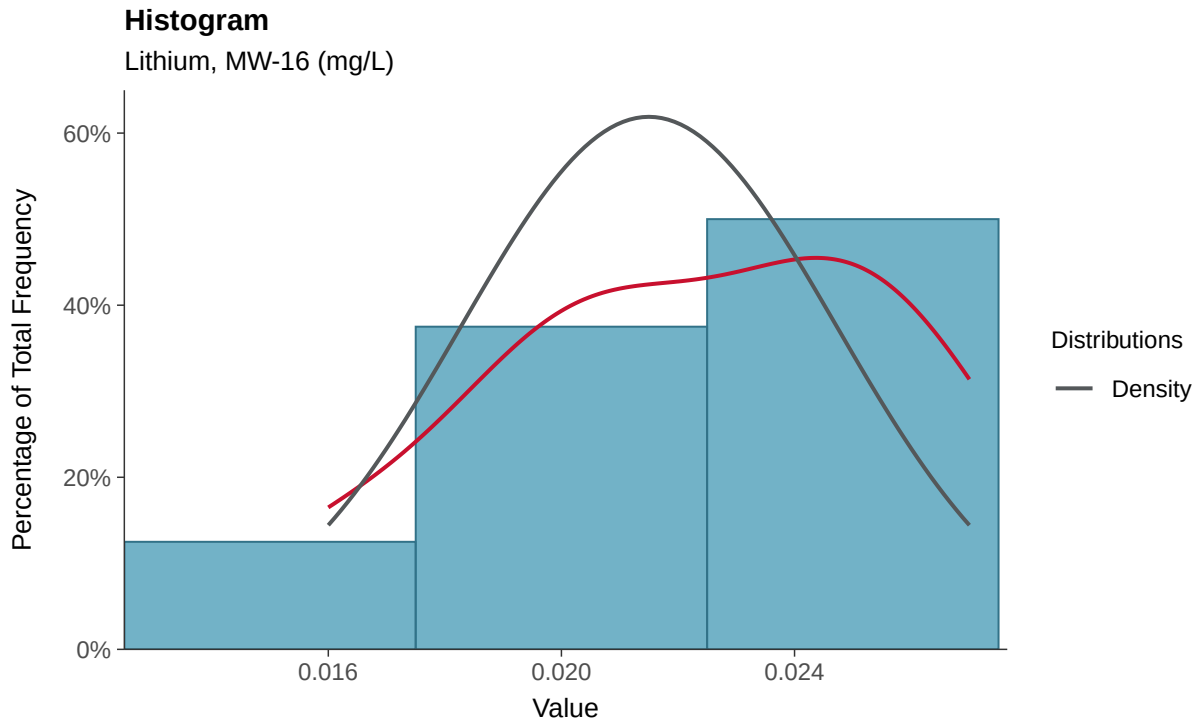
Lead, MW-16 (mg/L)



Appendix IV: Lithium, MW-16

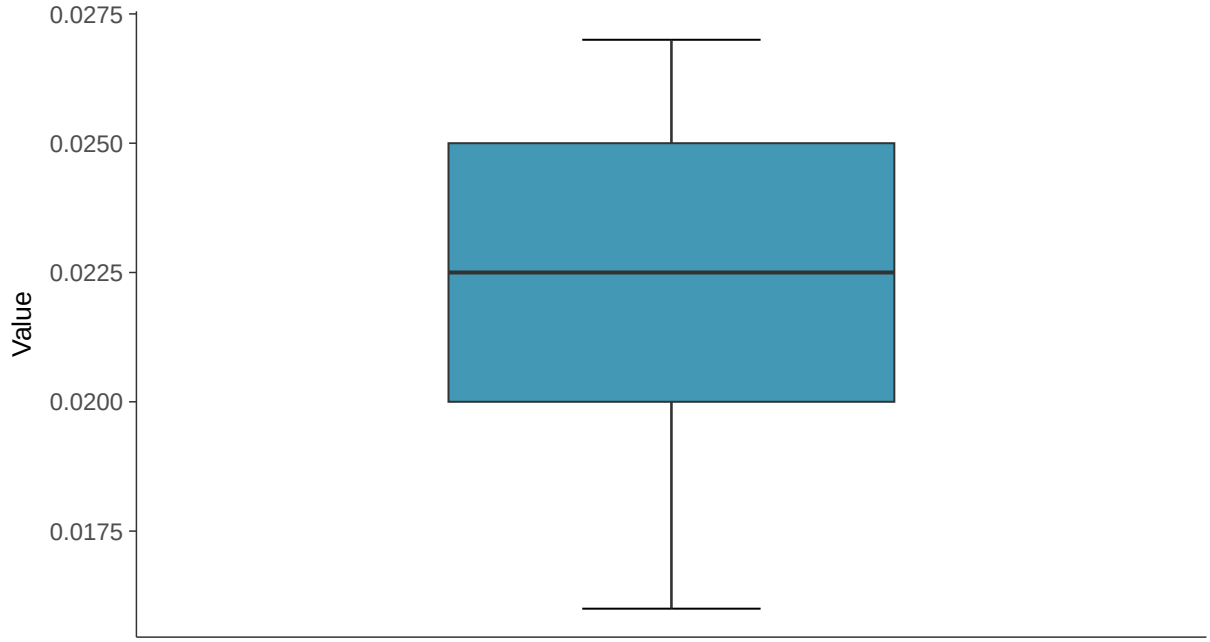
ID: 26_1_4_116





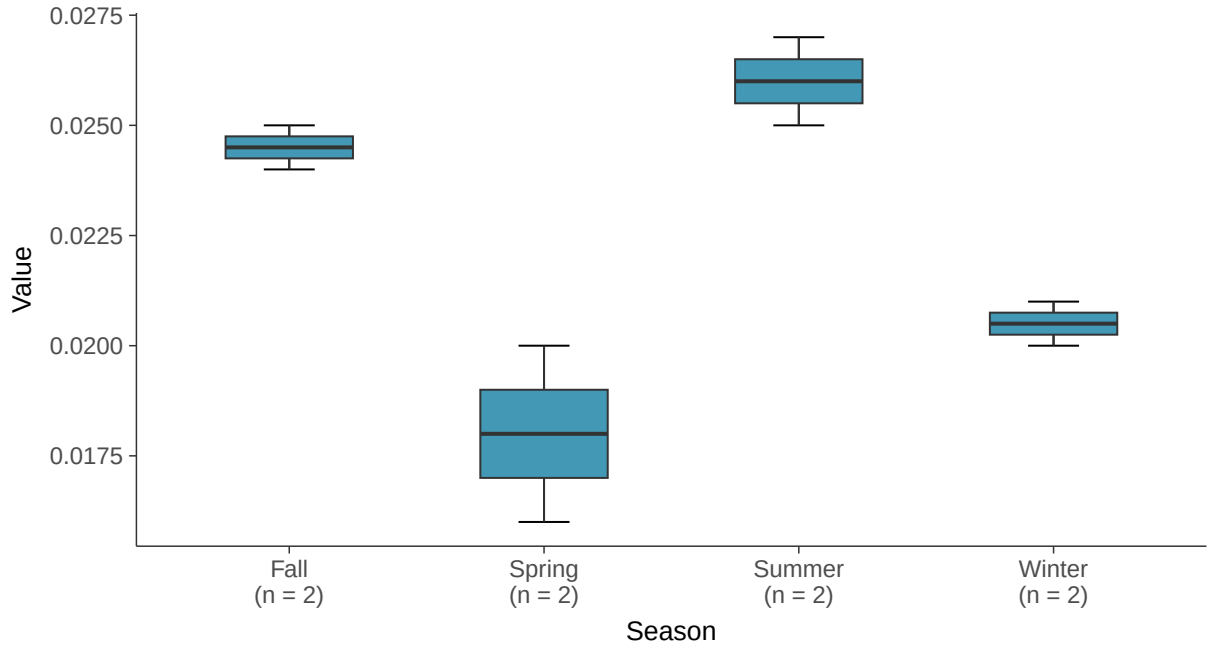
Boxplot

Lithium, MW-16 (mg/L)



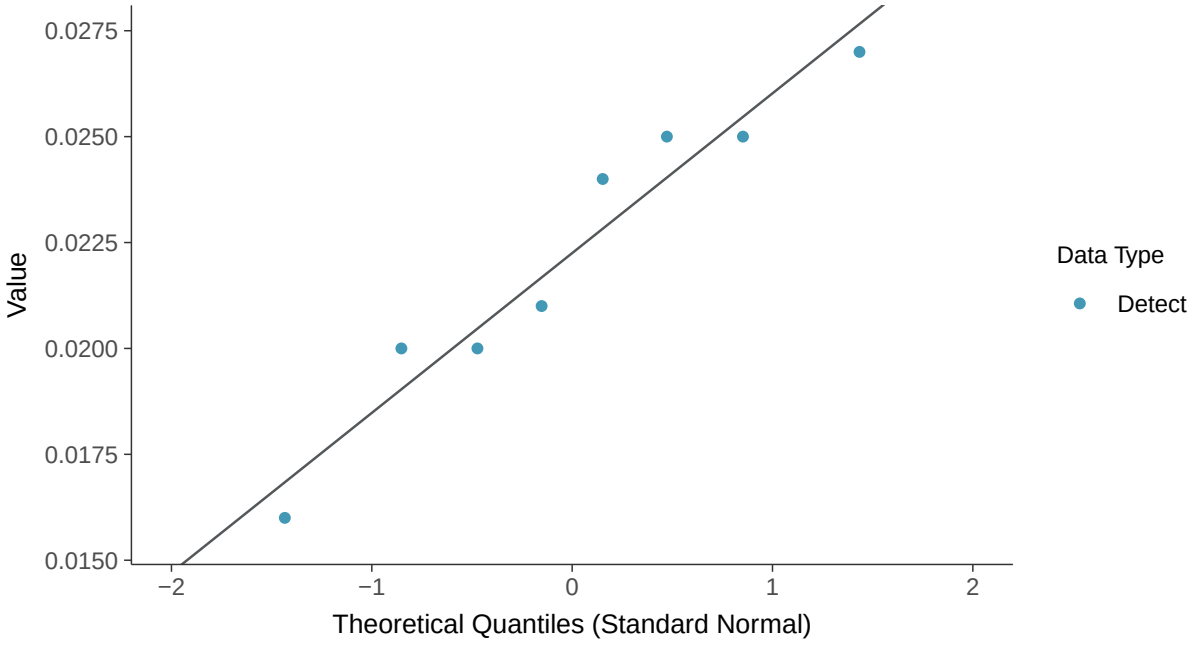
Boxplot by Season

Lithium, MW-16 (mg/L)



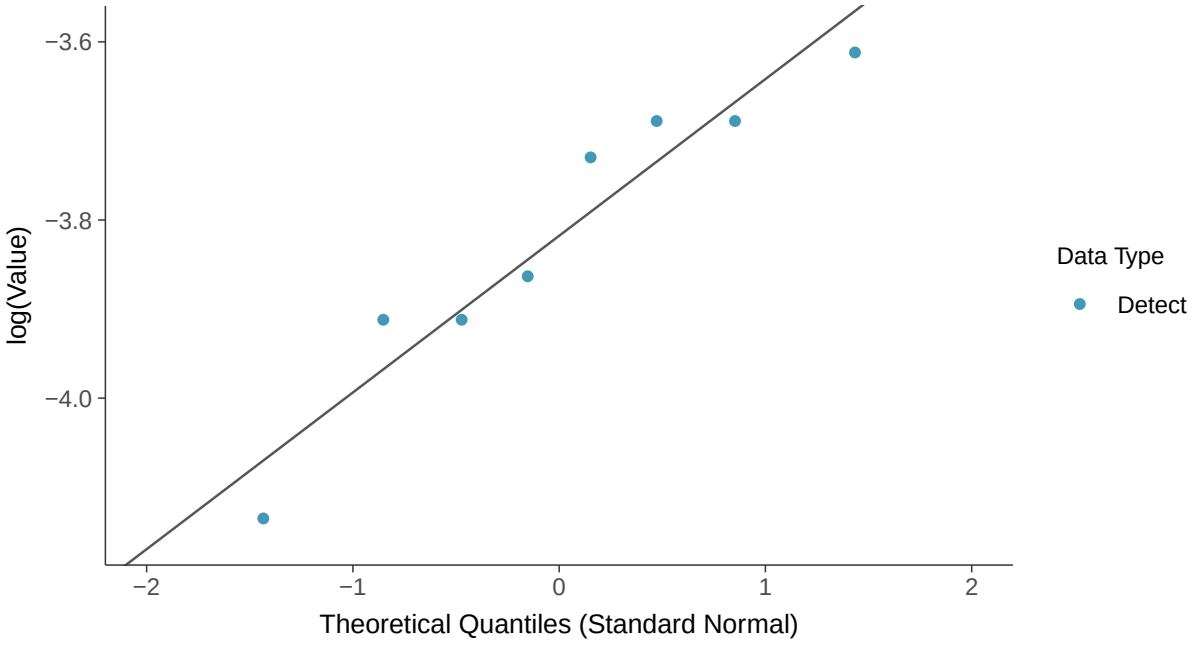
Normal Q-Q plot

Lithium, MW-16 (mg/L)



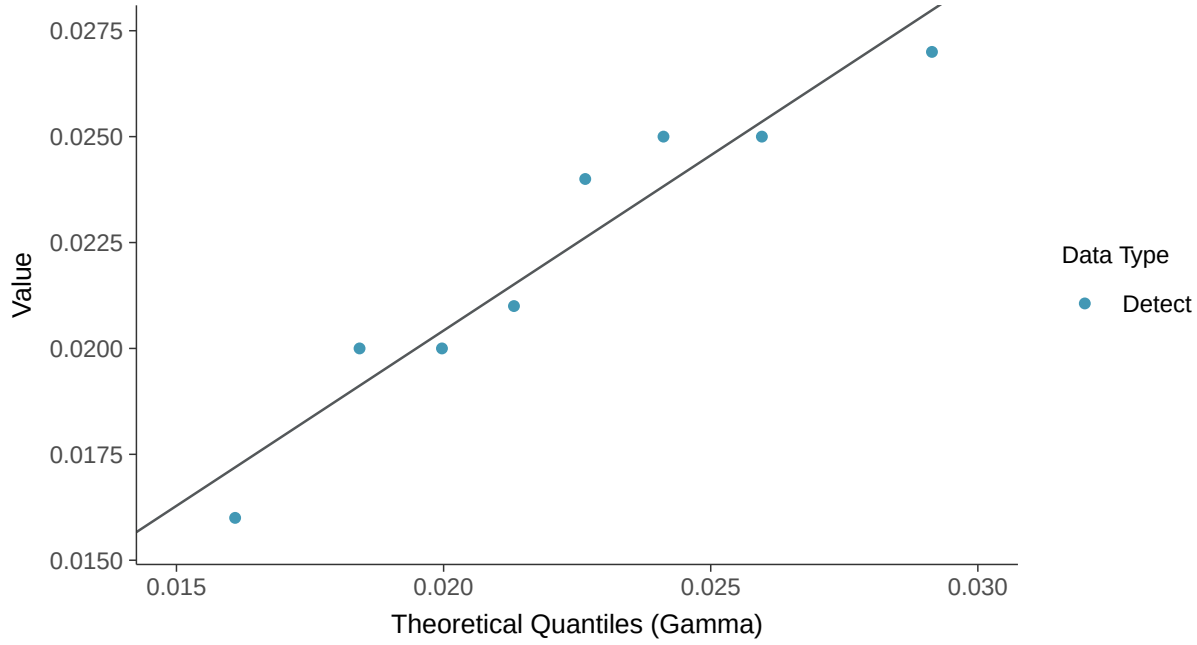
Lognormal Q-Q plot

Lithium, MW-16 (mg/L)



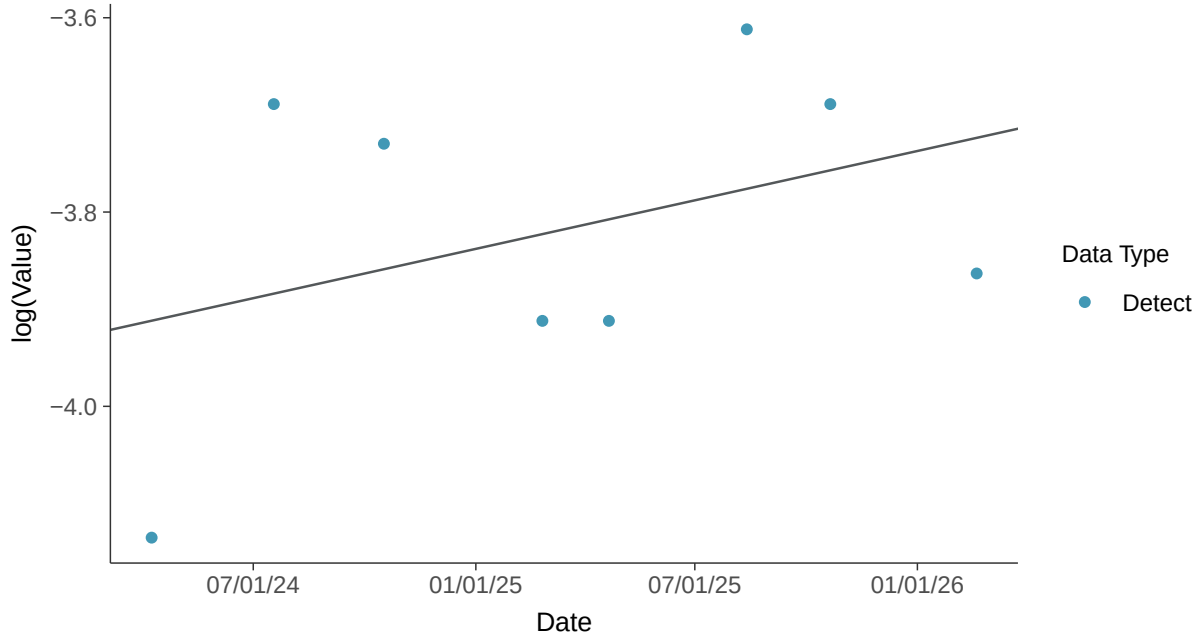
Gamma Q-Q plot

Lithium, MW-16 (mg/L)



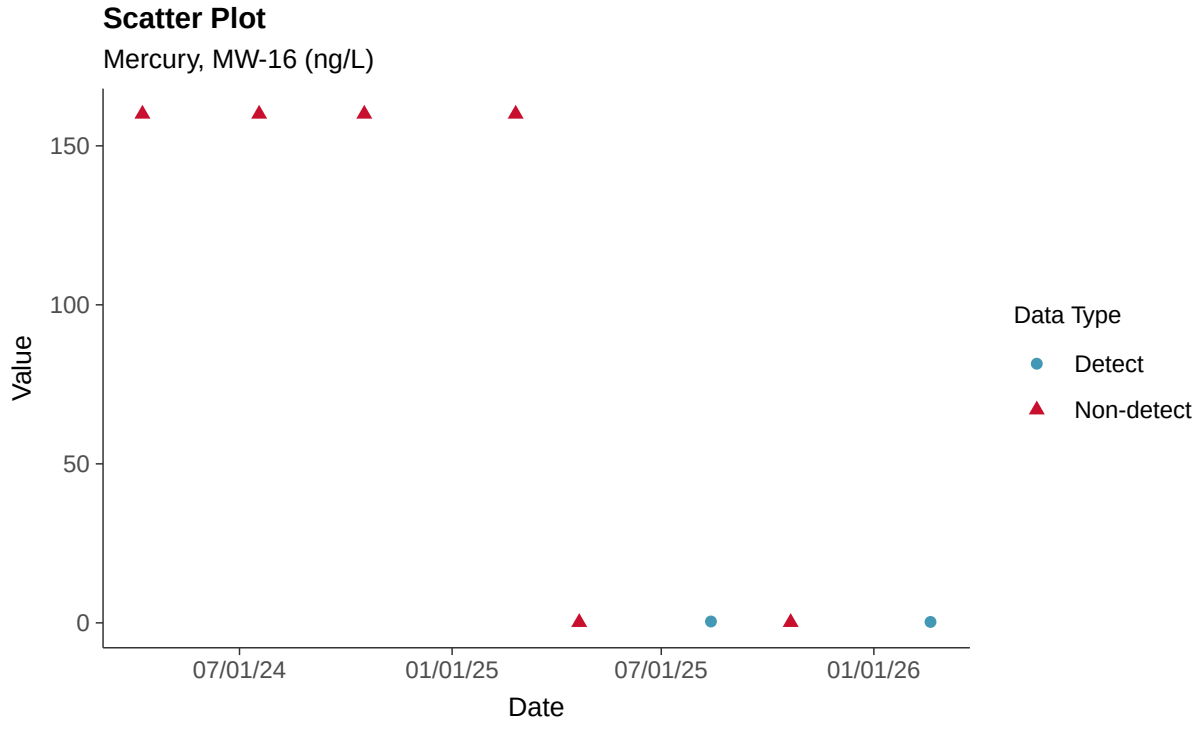
Trend Regression: Lognormal MLE

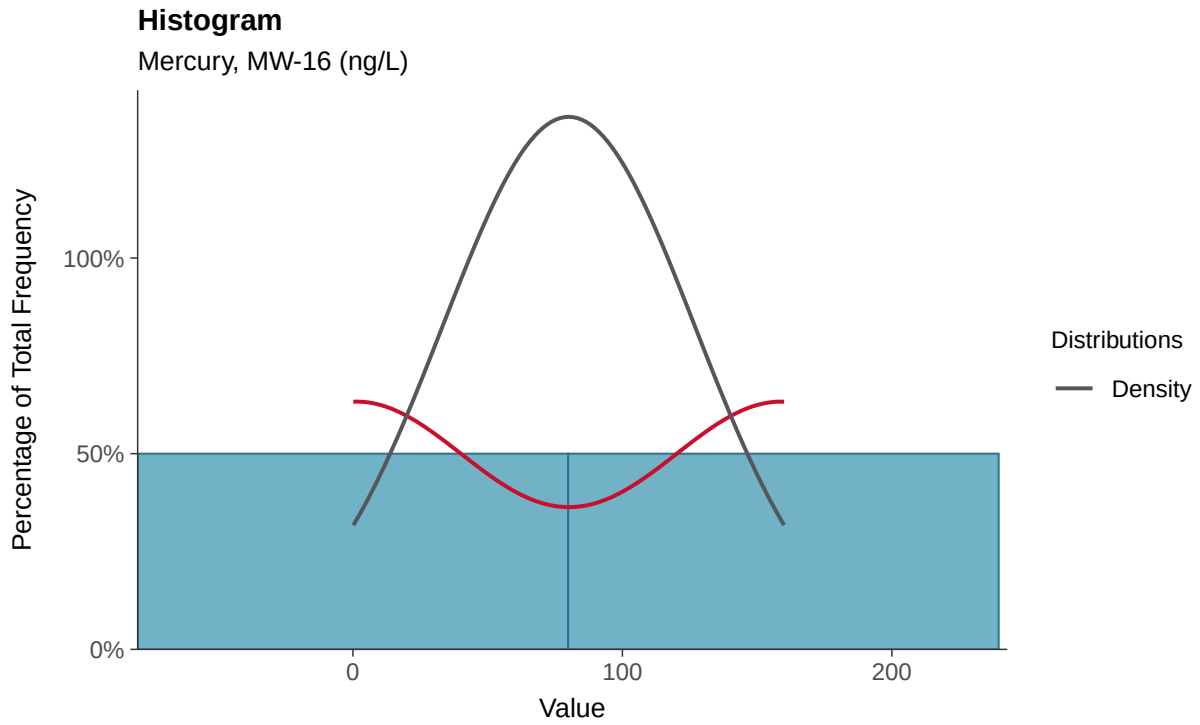
Lithium, MW-16 (mg/L)



Appendix IV: Mercury, MW-16

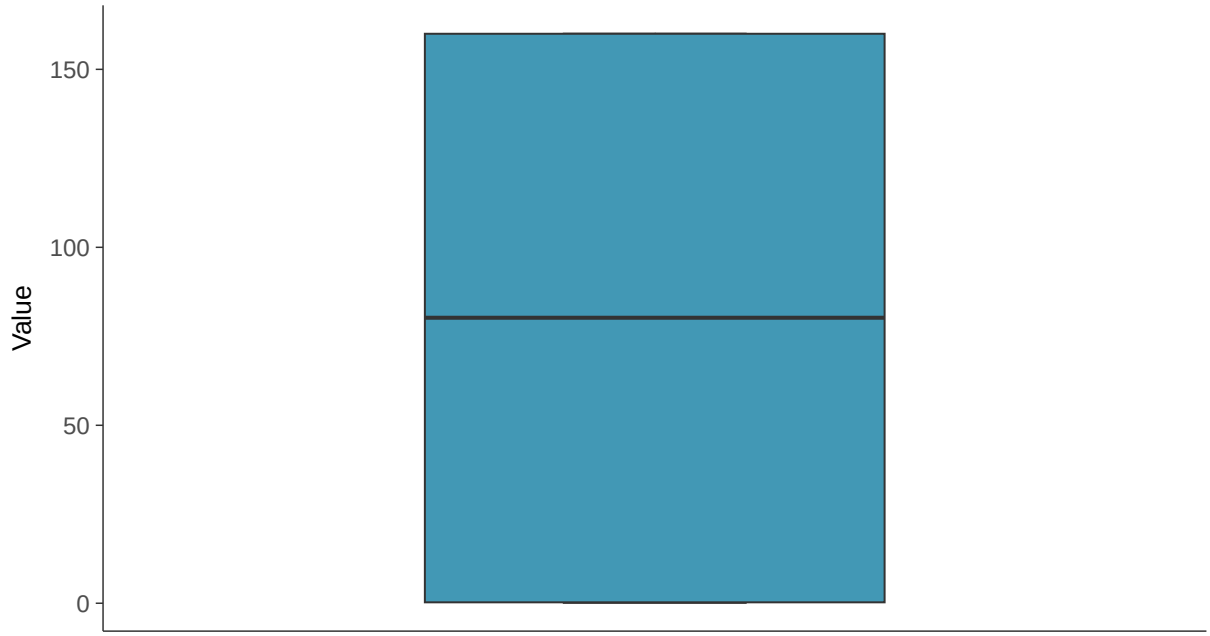
ID: 26_1_4_117





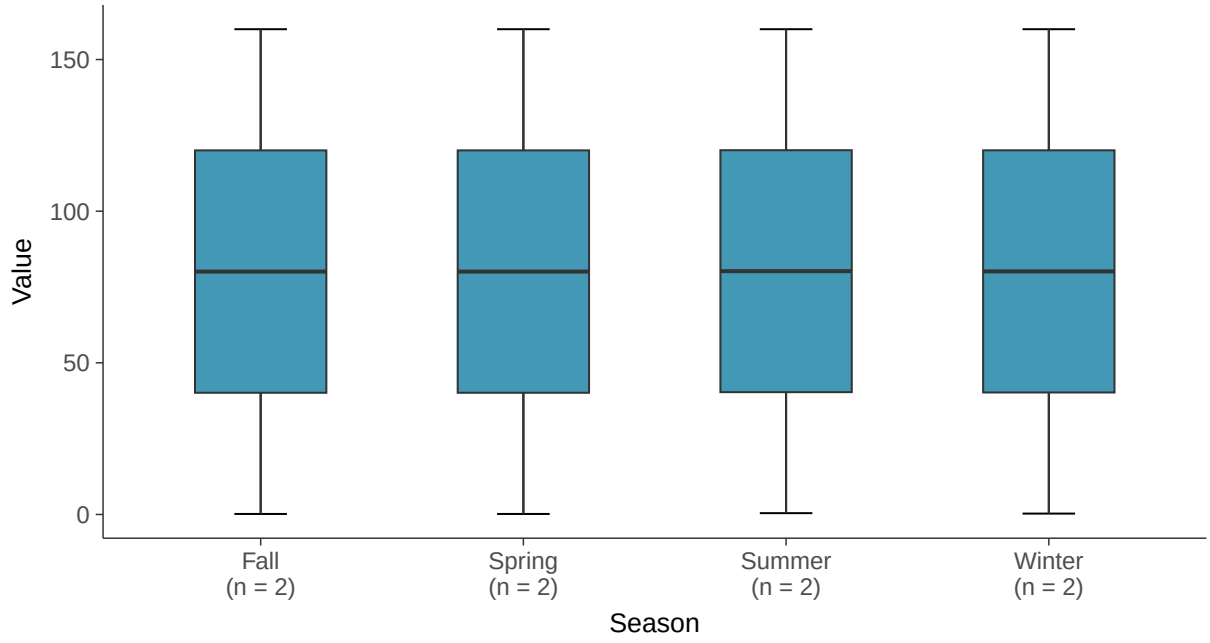
Boxplot

Mercury, MW-16 (ng/L)



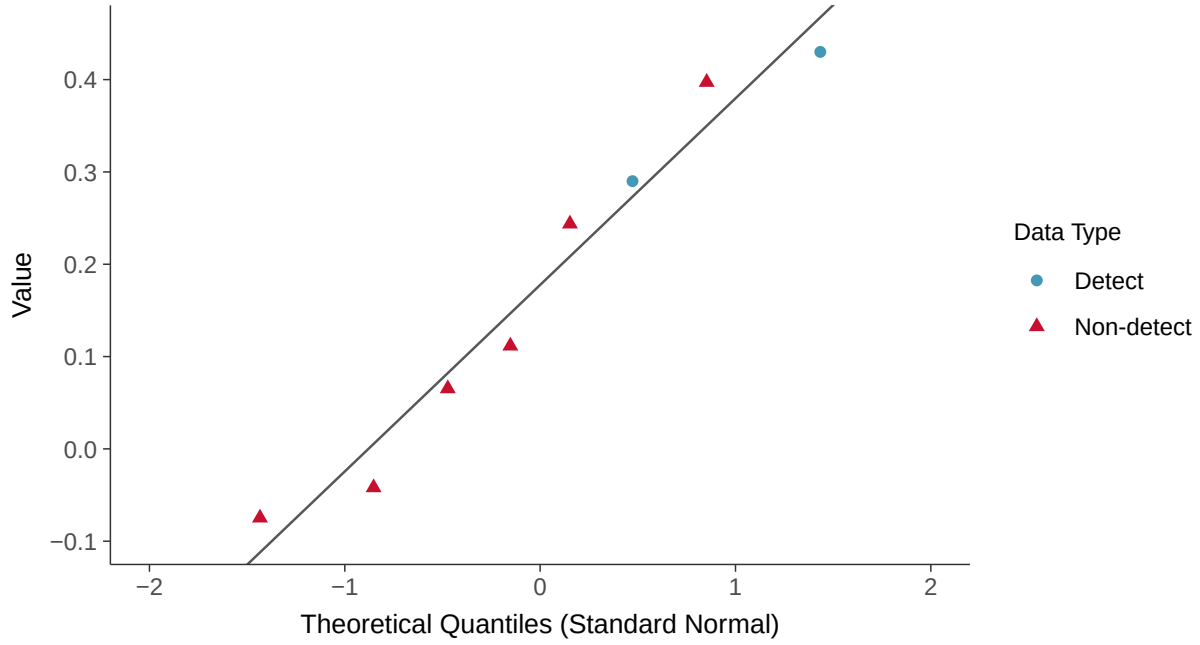
Boxplot by Season

Mercury, MW-16 (ng/L)



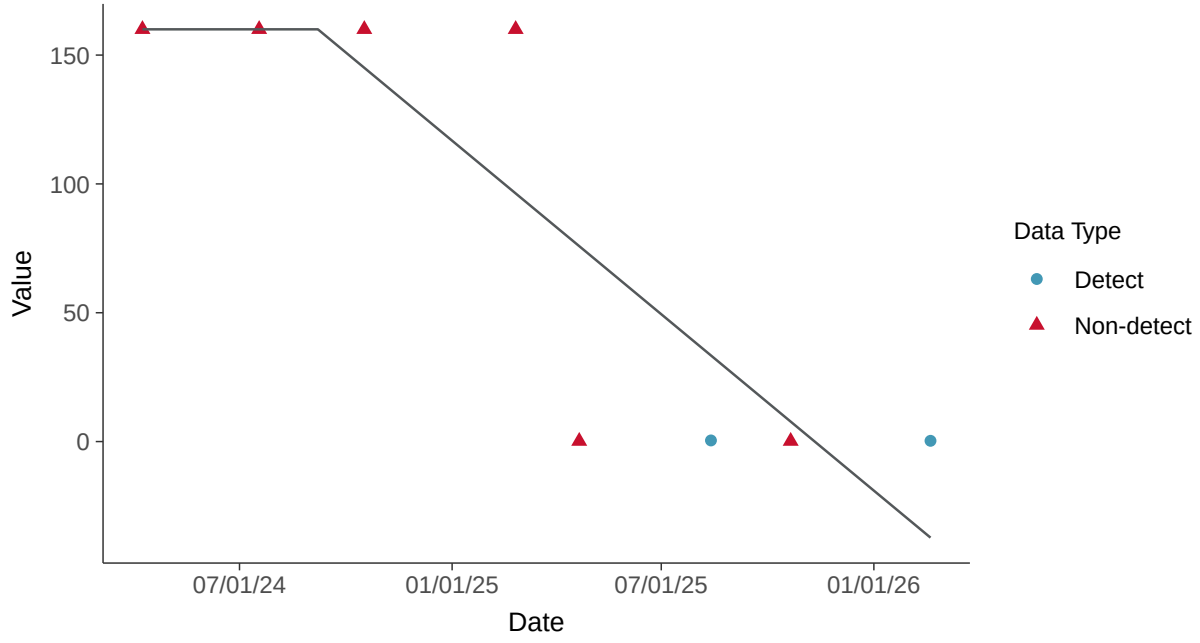
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-16 (ng/L)



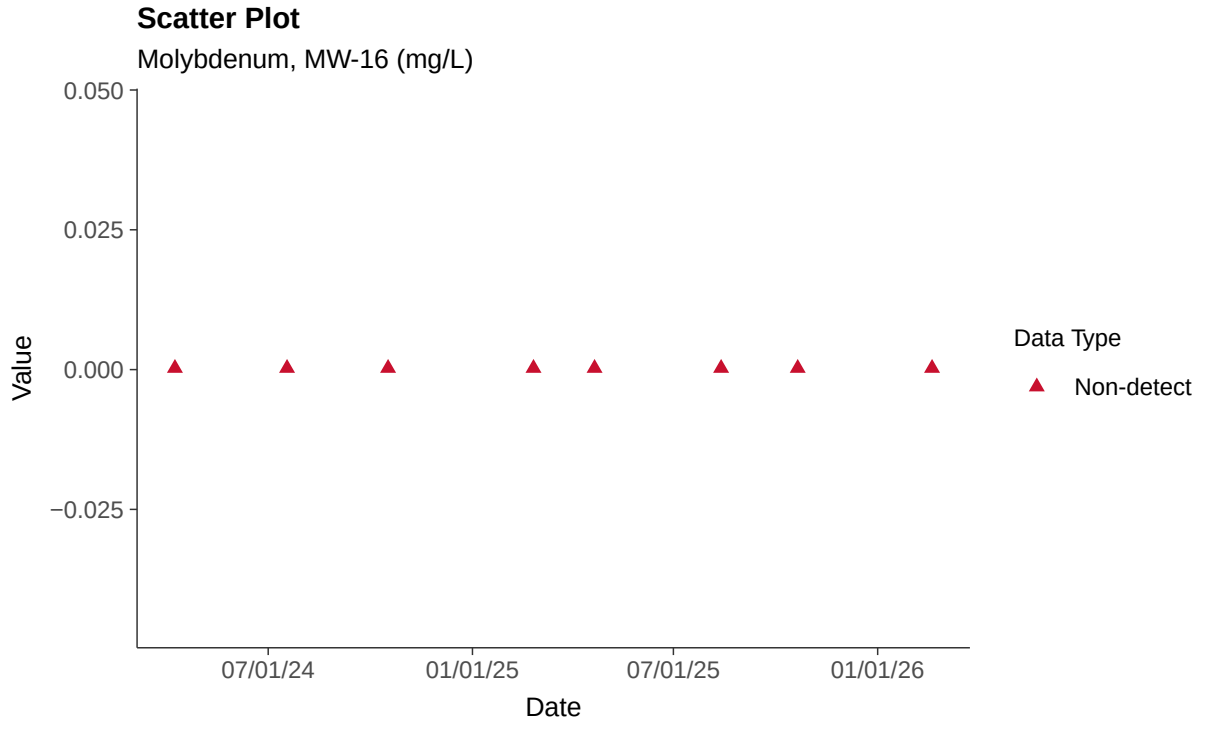
Trend Regression: Piecewise Linear-Linear

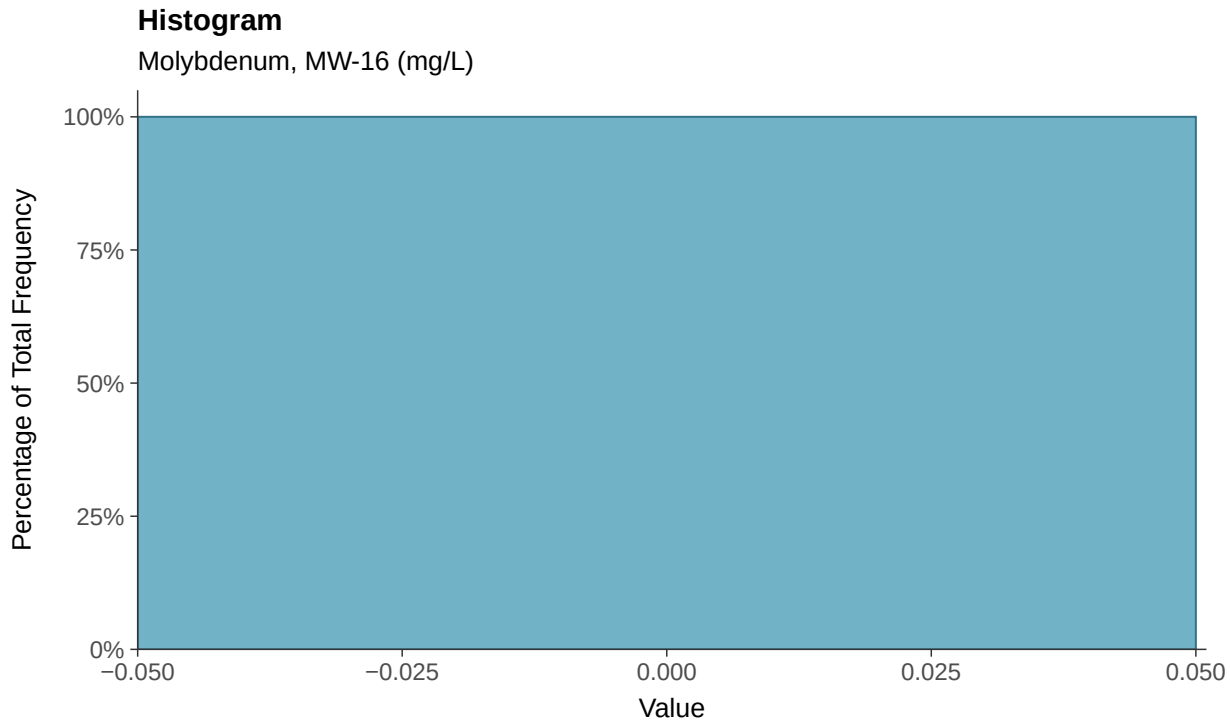
Mercury, MW-16 (ng/L)



Appendix IV: Molybdenum, MW-16

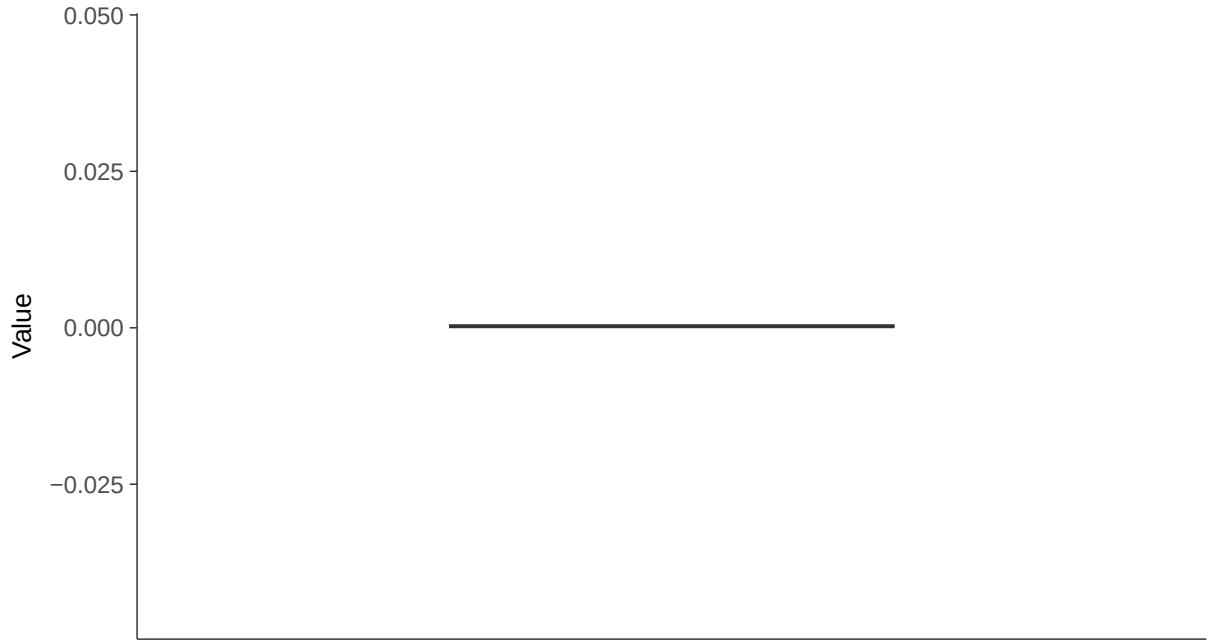
ID: 26_1_4_118





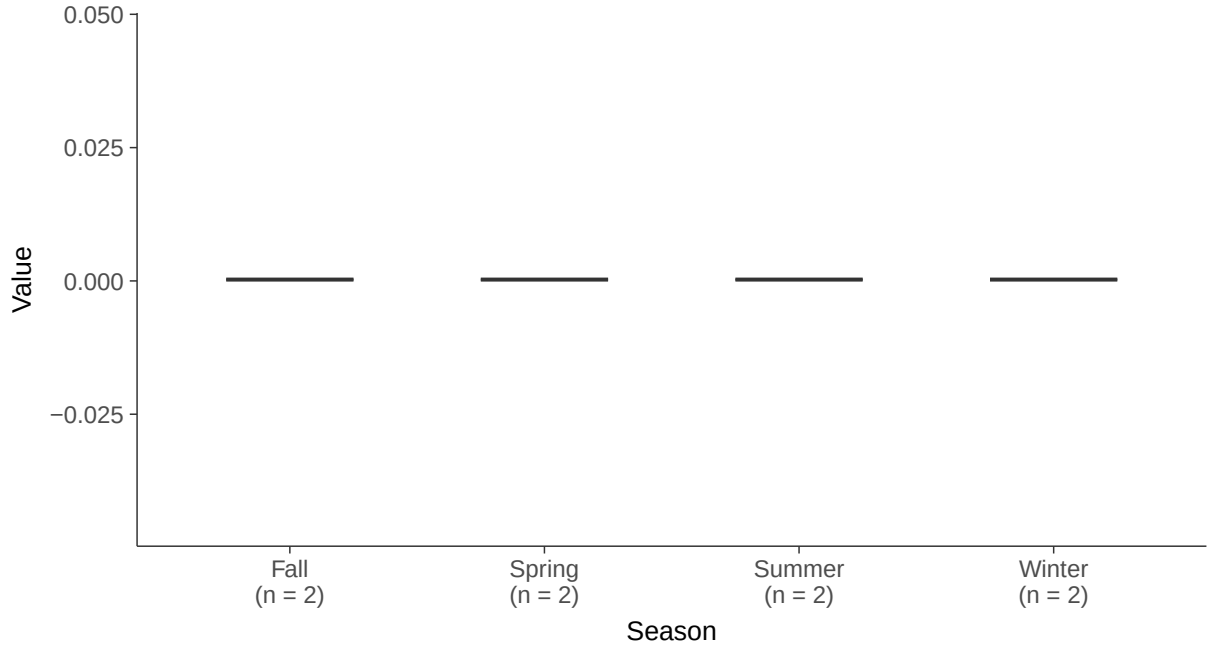
Boxplot

Molybdenum, MW-16 (mg/L)



Boxplot by Season

Molybdenum, MW-16 (mg/L)

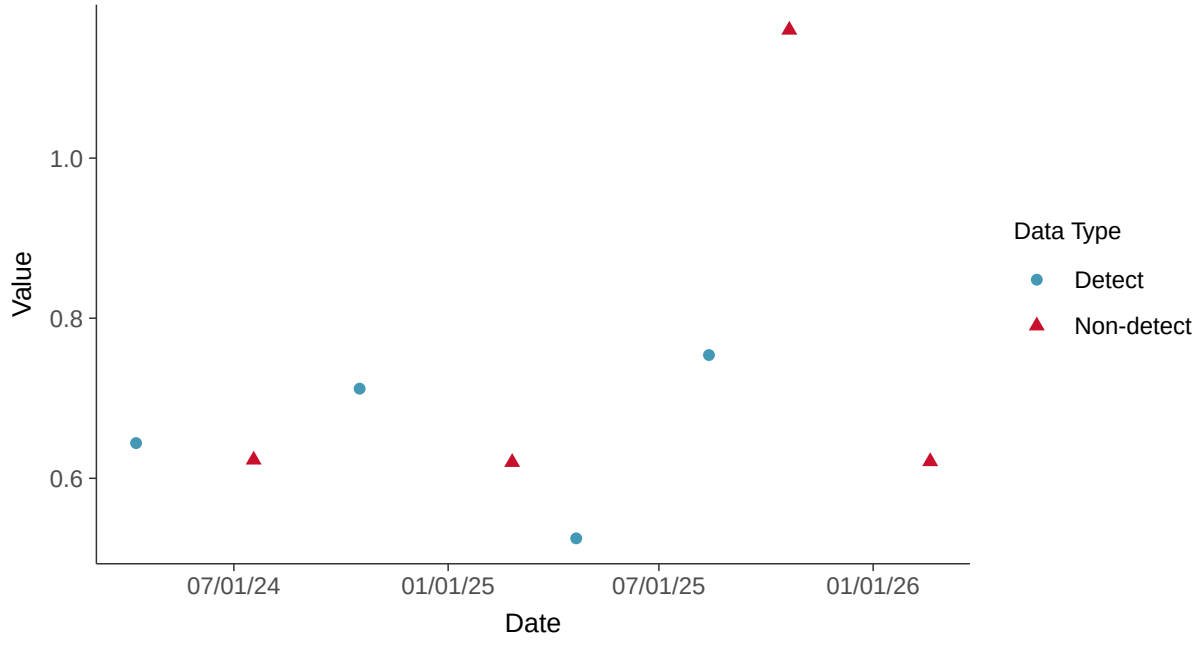


Appendix IV: Radium 226 and 228, MW-16

ID: 26_1_4_121

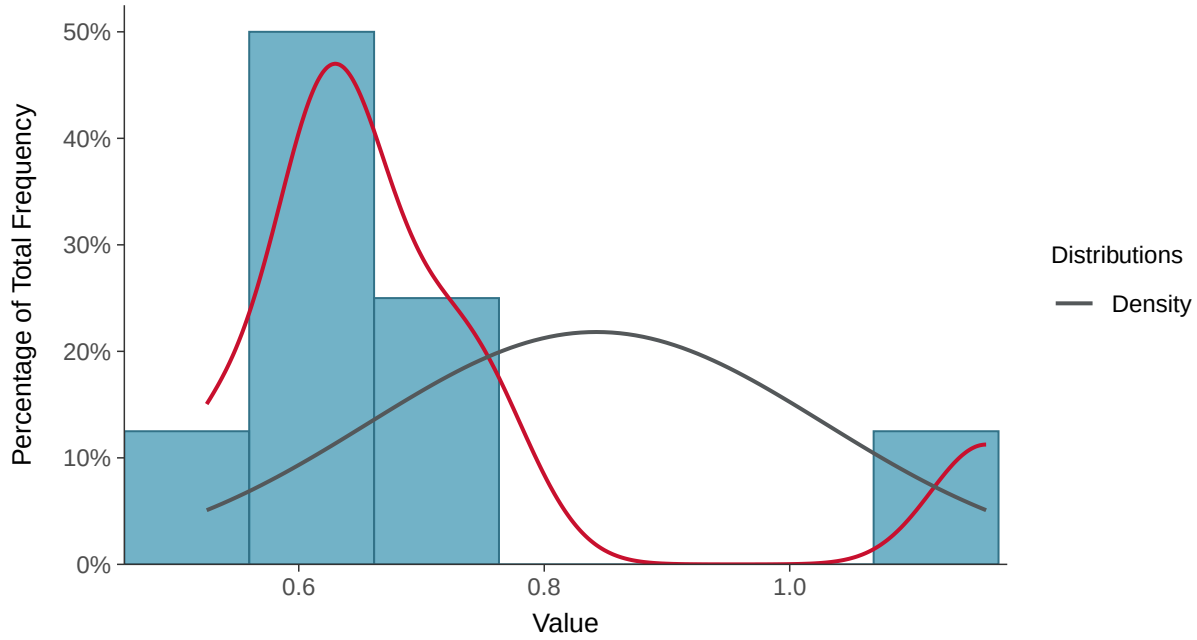
Scatter Plot

Radium 226 and 228, MW-16 (pCi/L)



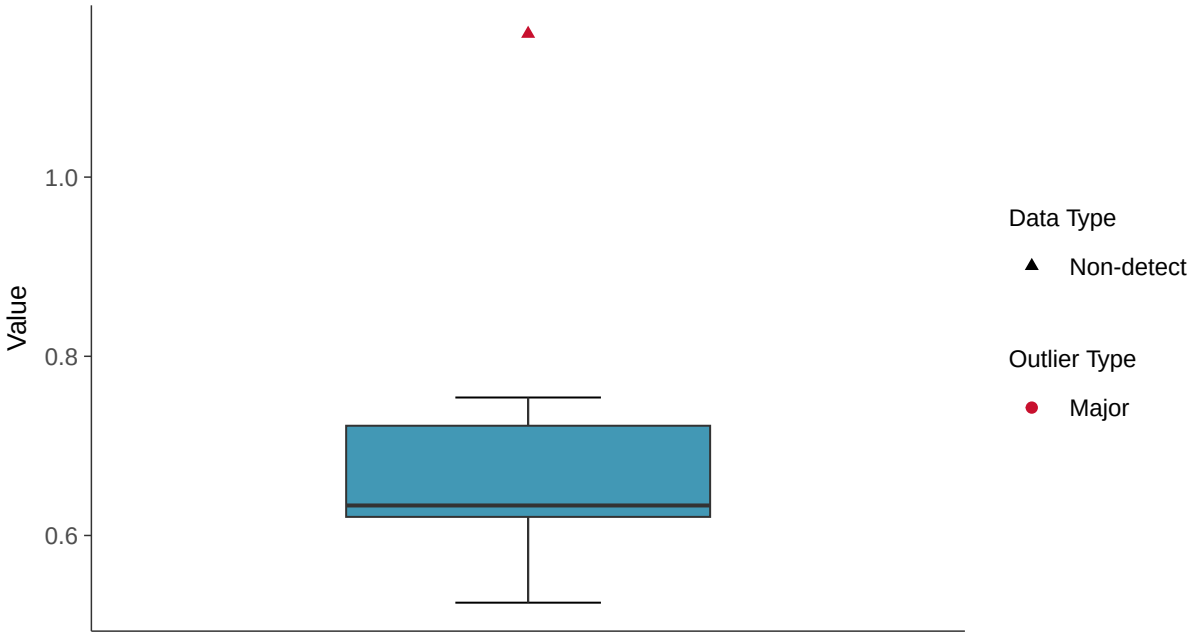
Histogram

Radium 226 and 228, MW-16 (pCi/L)



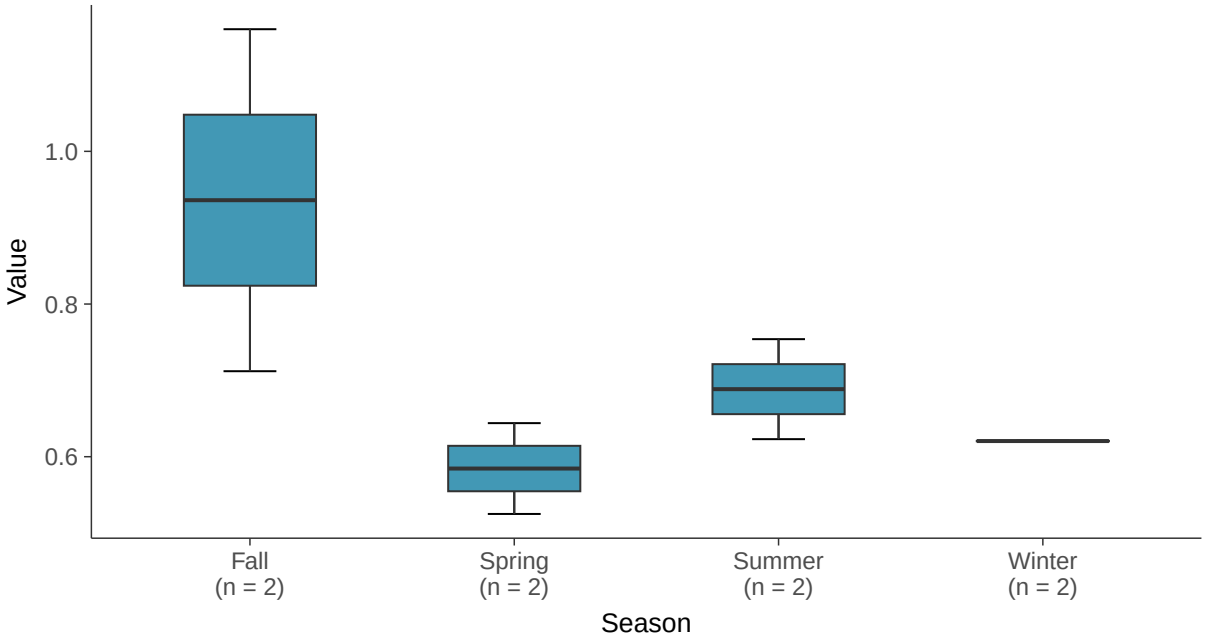
Boxplot

Radium 226 and 228, MW-16 (pCi/L)



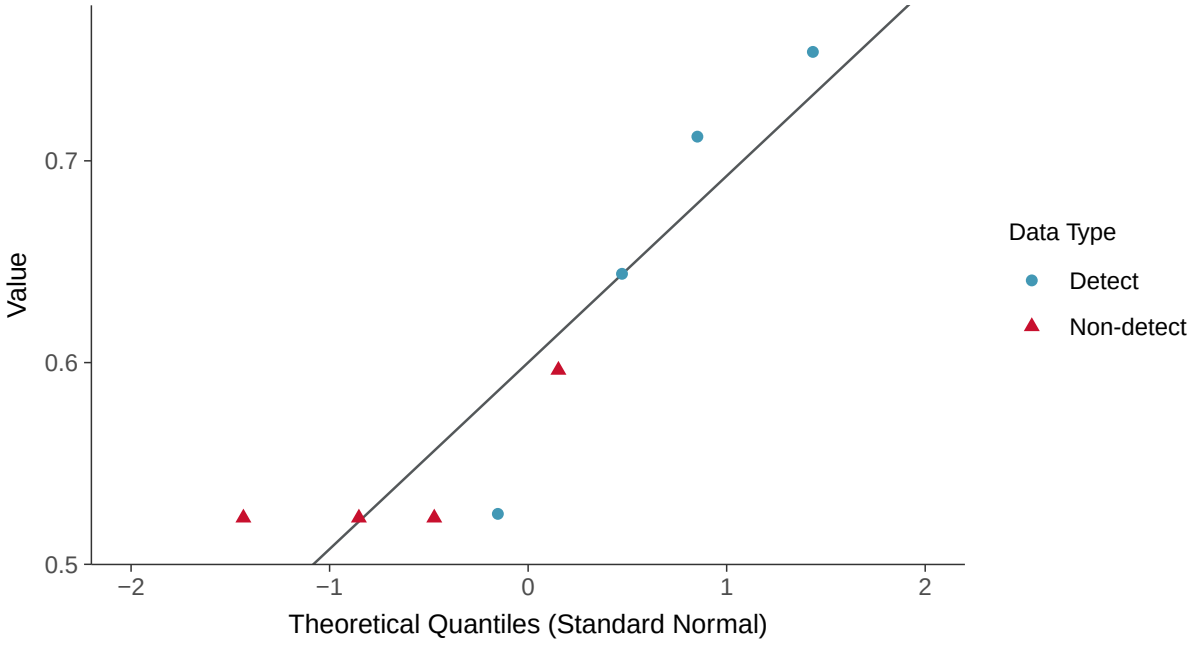
Boxplot by Season

Radium 226 and 228, MW-16 (pCi/L)



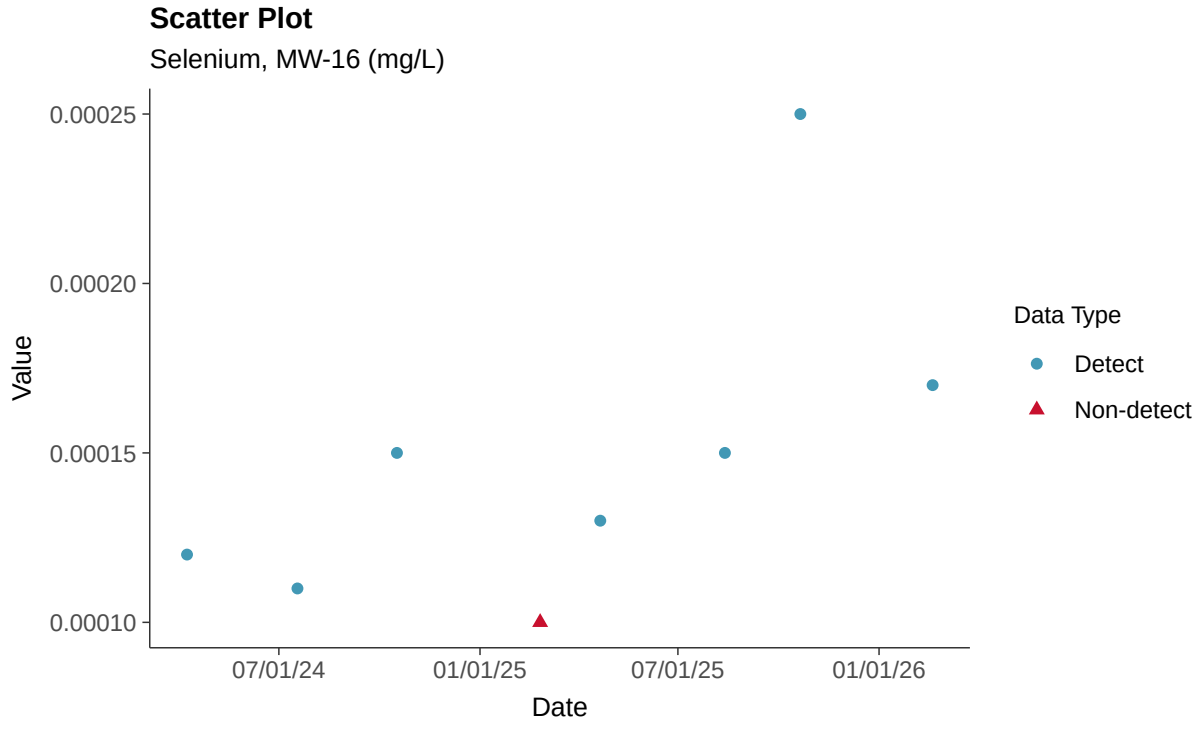
Normal Q-Q plot using ROS Imputed Estimates

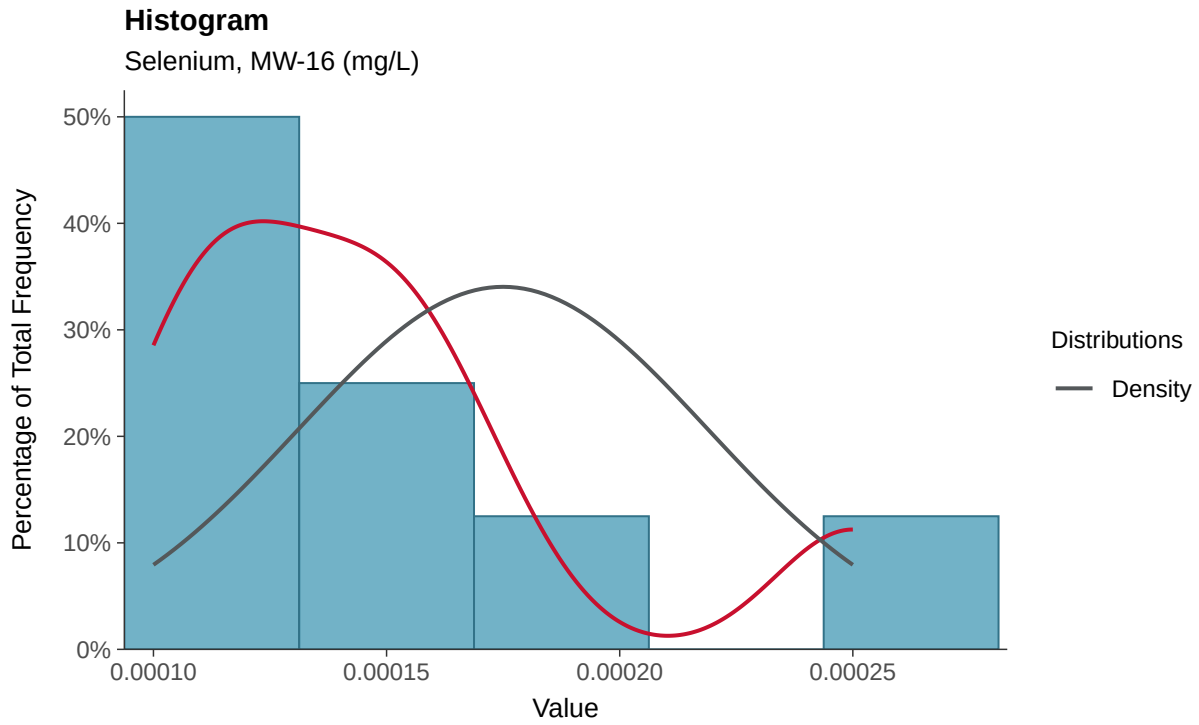
Radium 226 and 228, MW-16 (pCi/L)



Appendix IV: Selenium, MW-16

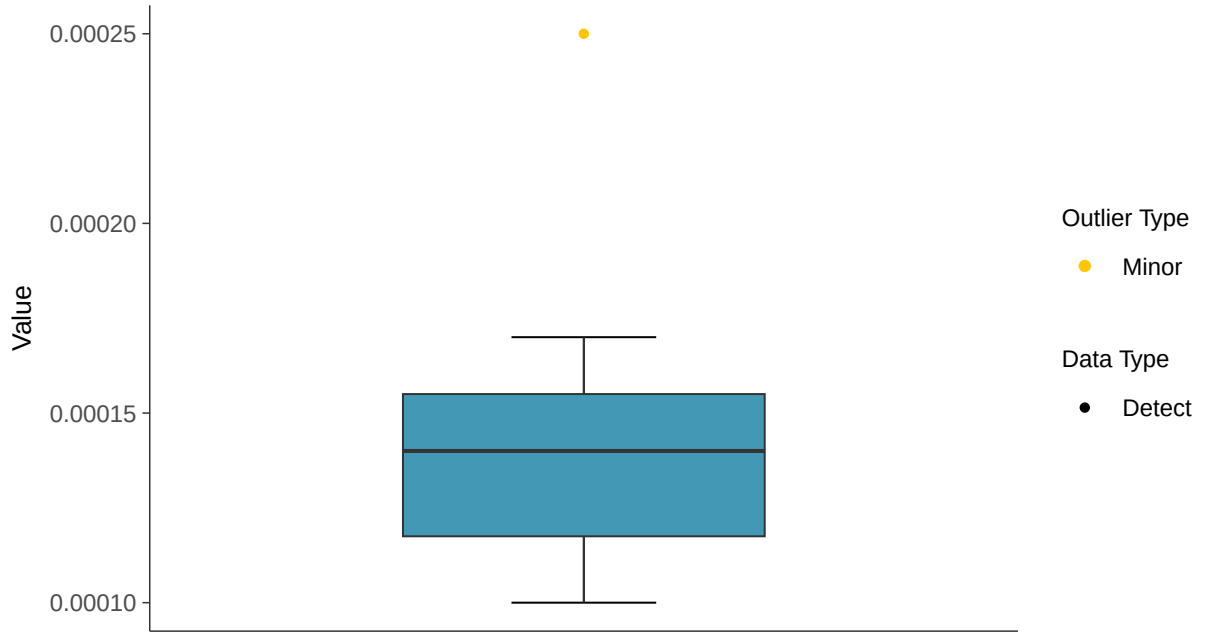
ID: 26_1_4_122





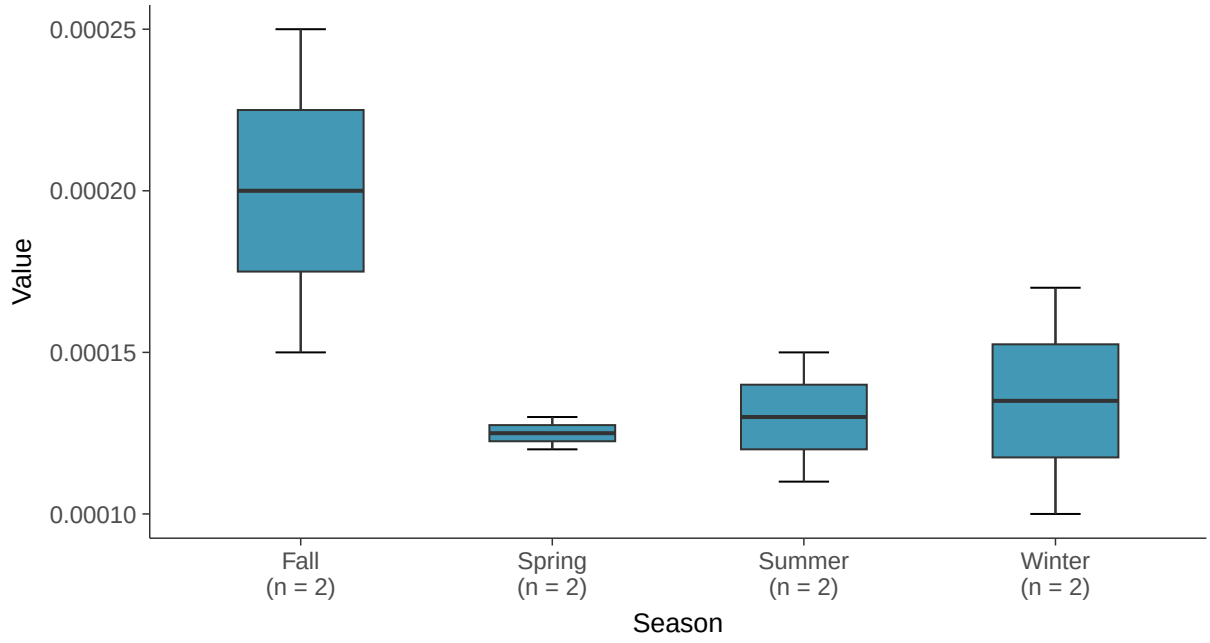
Boxplot

Selenium, MW-16 (mg/L)



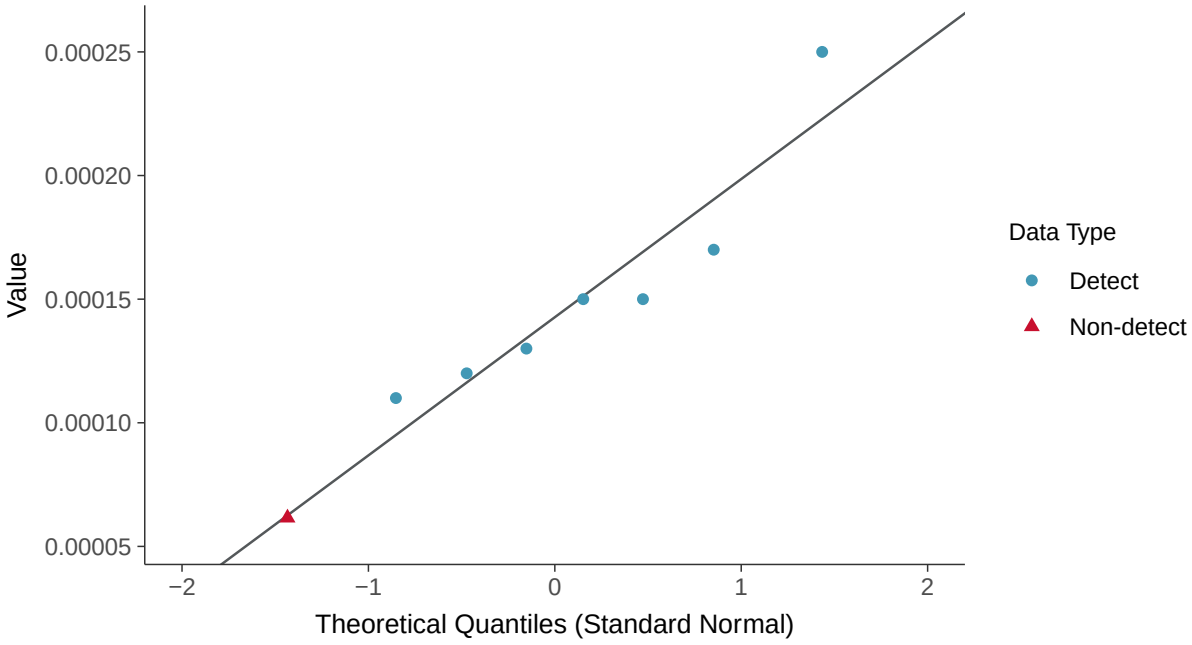
Boxplot by Season

Selenium, MW-16 (mg/L)



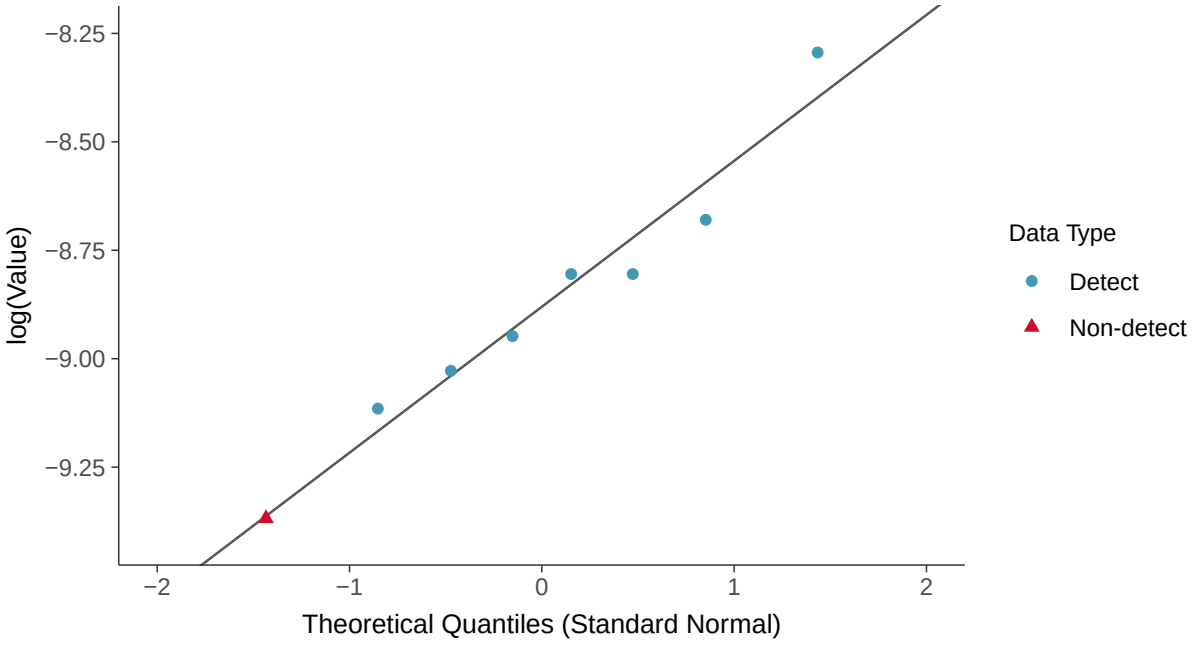
Normal Q-Q plot using ROS Imputed Estimates

Selenium, MW-16 (mg/L)



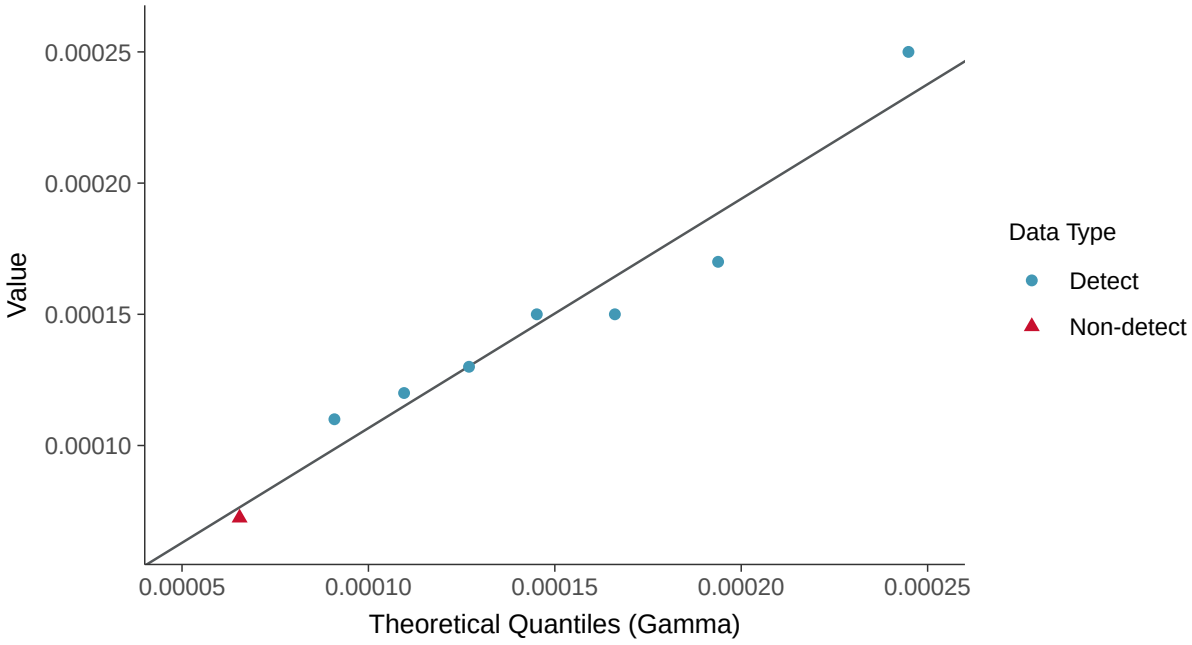
Lognormal Q-Q plot using ROS Imputed Estimates

Selenium, MW-16 (mg/L)



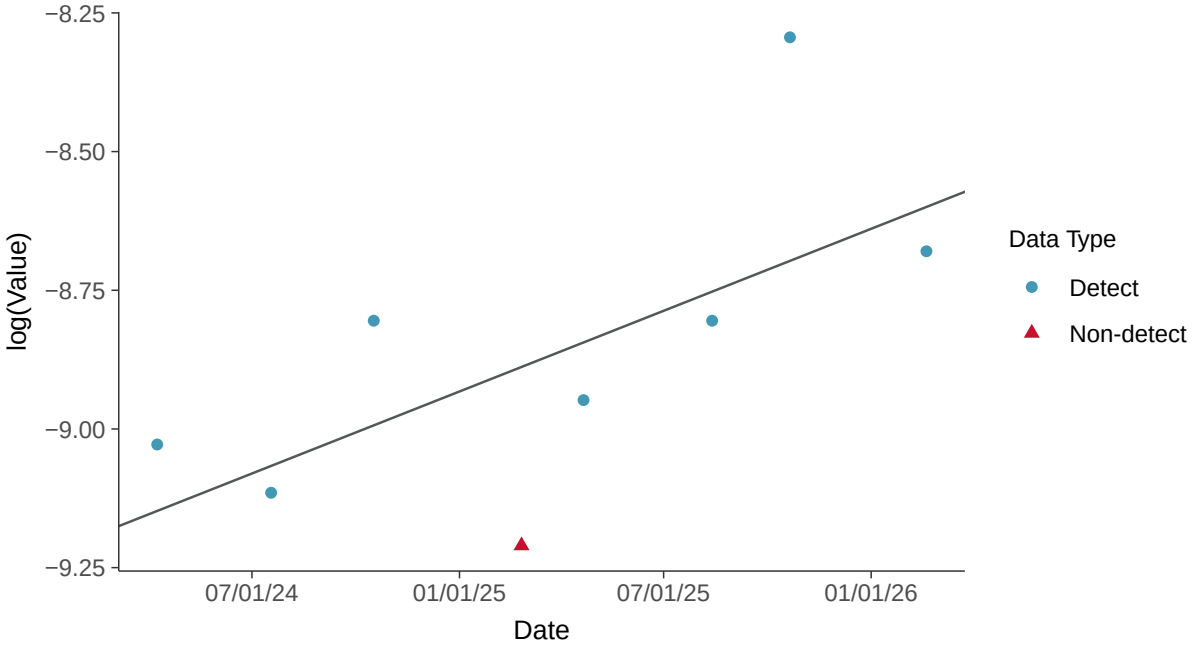
Gamma Q-Q plot using ROS Imputed Estimates

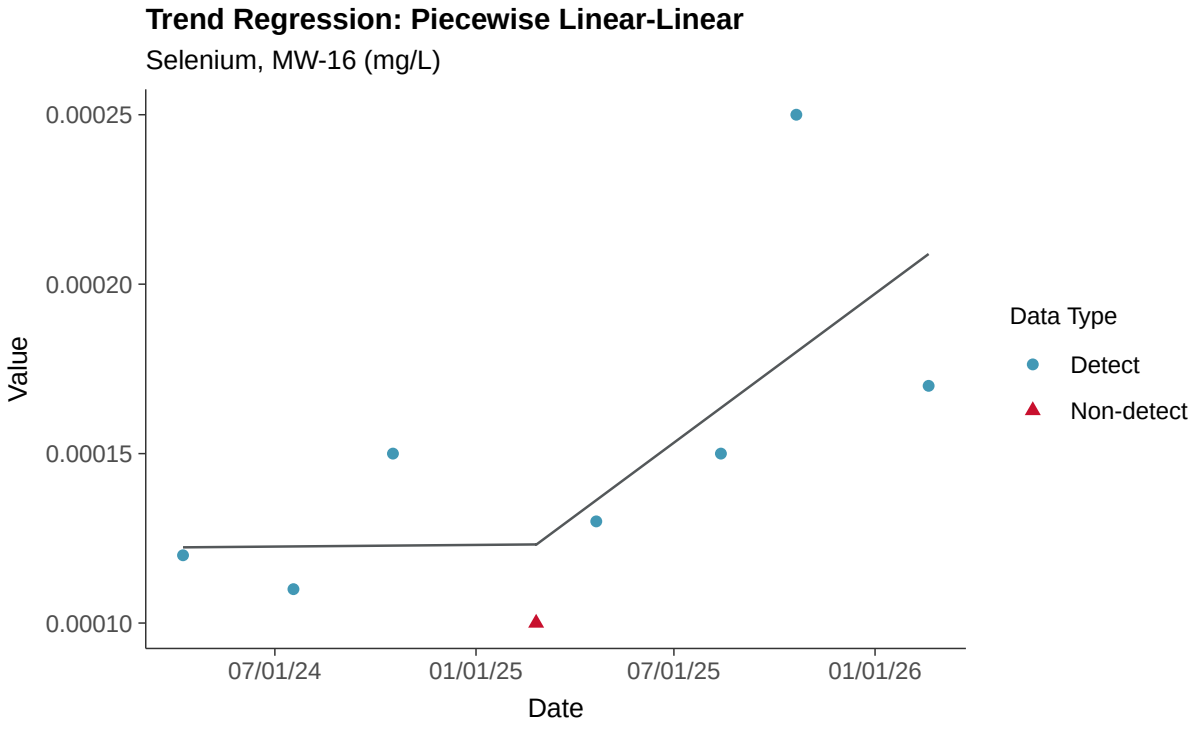
Selenium, MW-16 (mg/L)



Trend Regression: Lognormal MLE

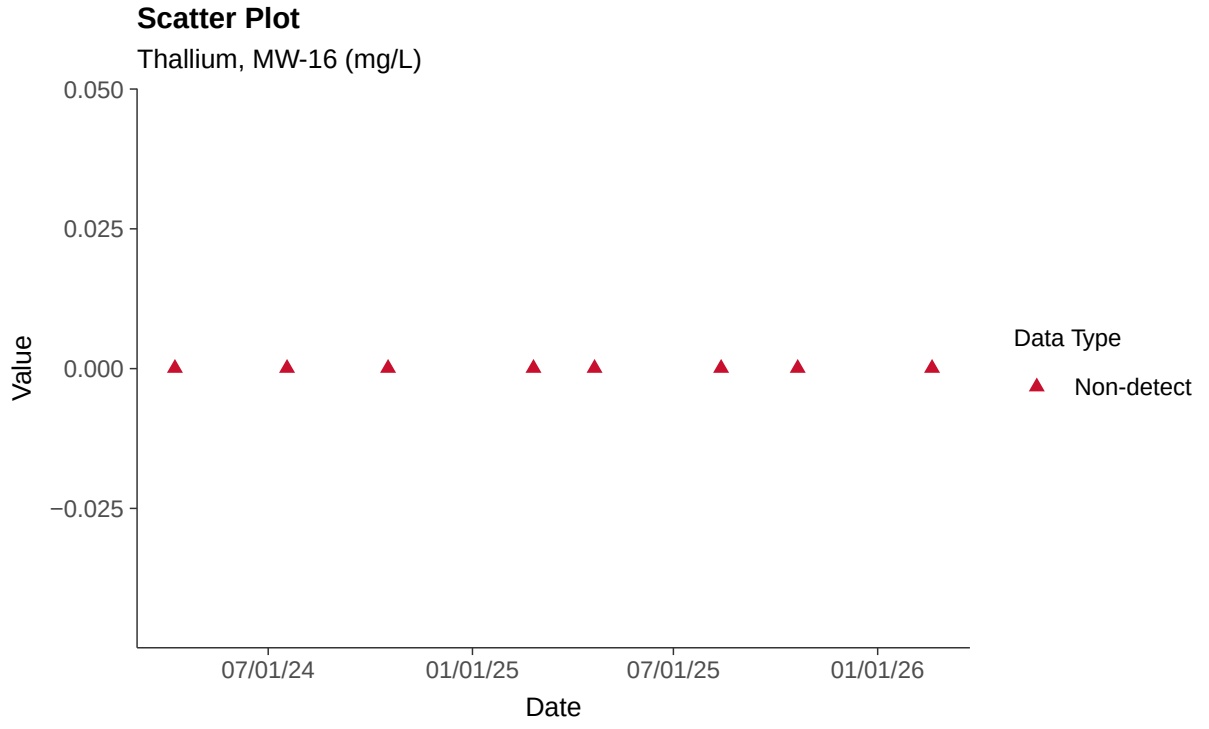
Selenium, MW-16 (mg/L)

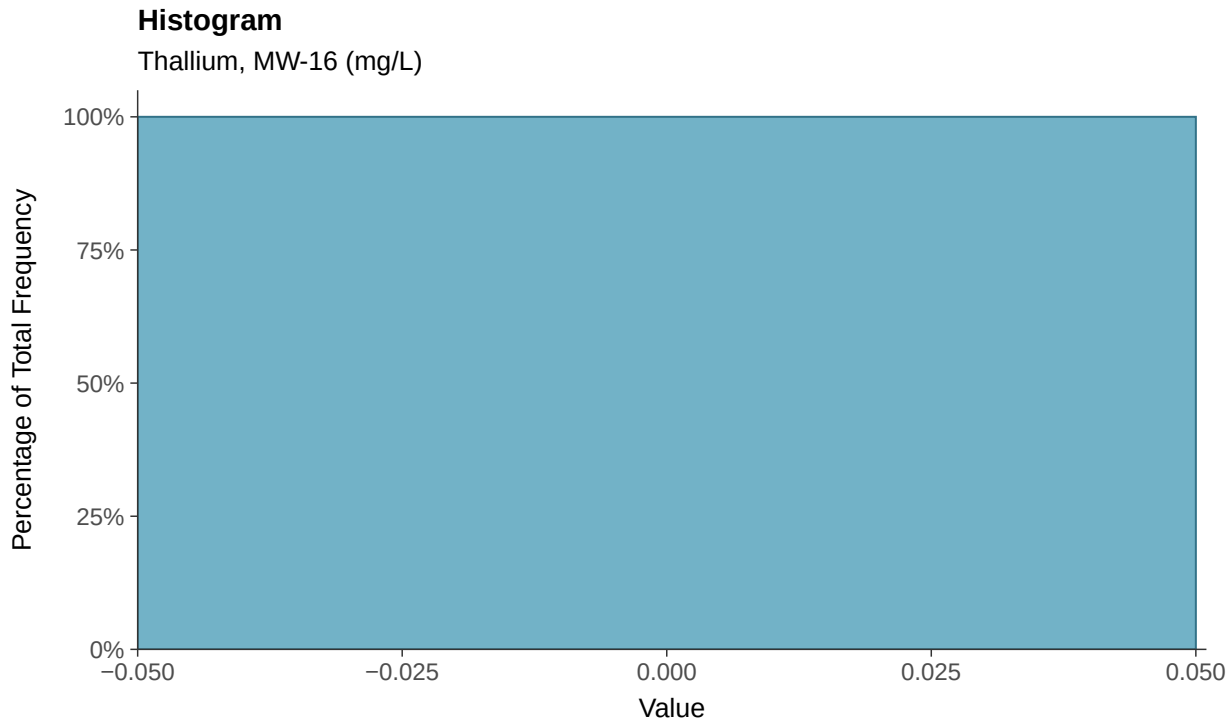



Trend Regression: Piecewise Linear-Linear
Selenium, MW-16 (mg/L)
0.00025
0.00020
0.00015
0.00010
Value
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Thallium, MW-16

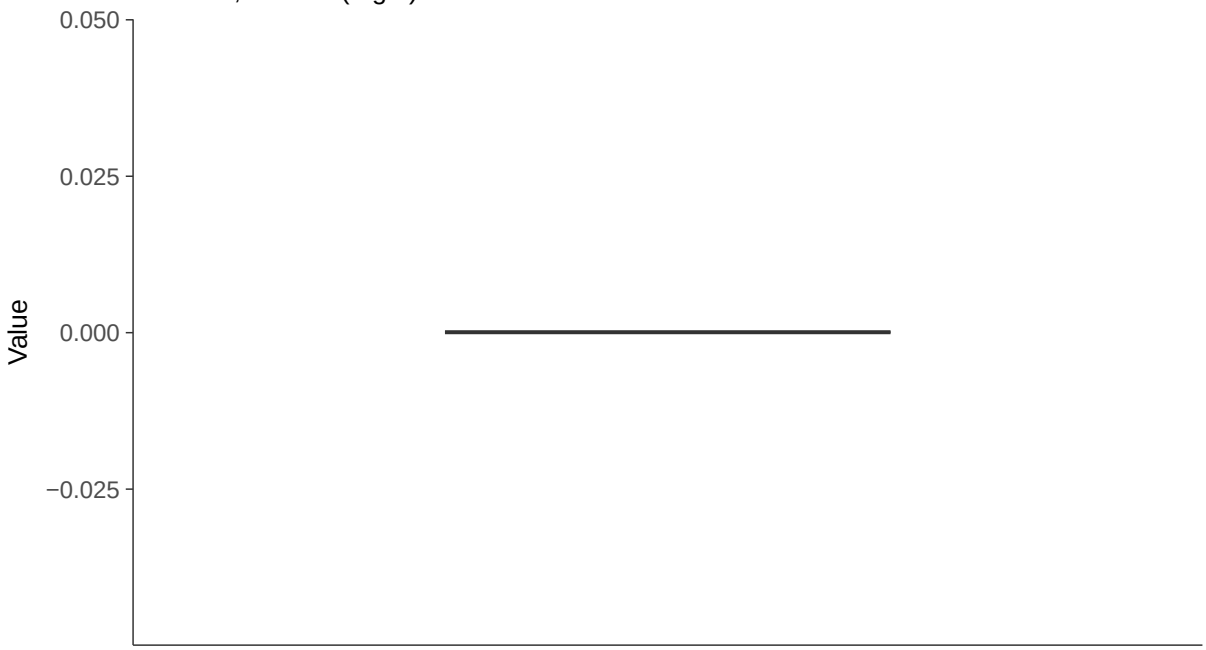
ID: 26_1_4_125





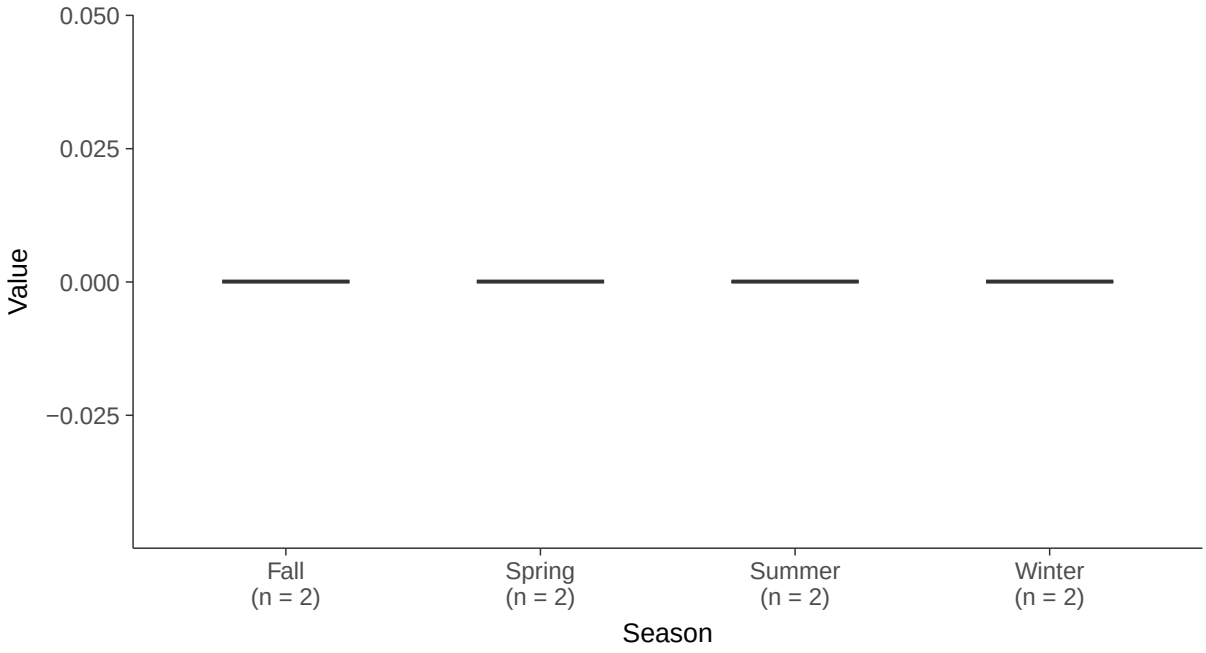
Boxplot

Thallium, MW-16 (mg/L)



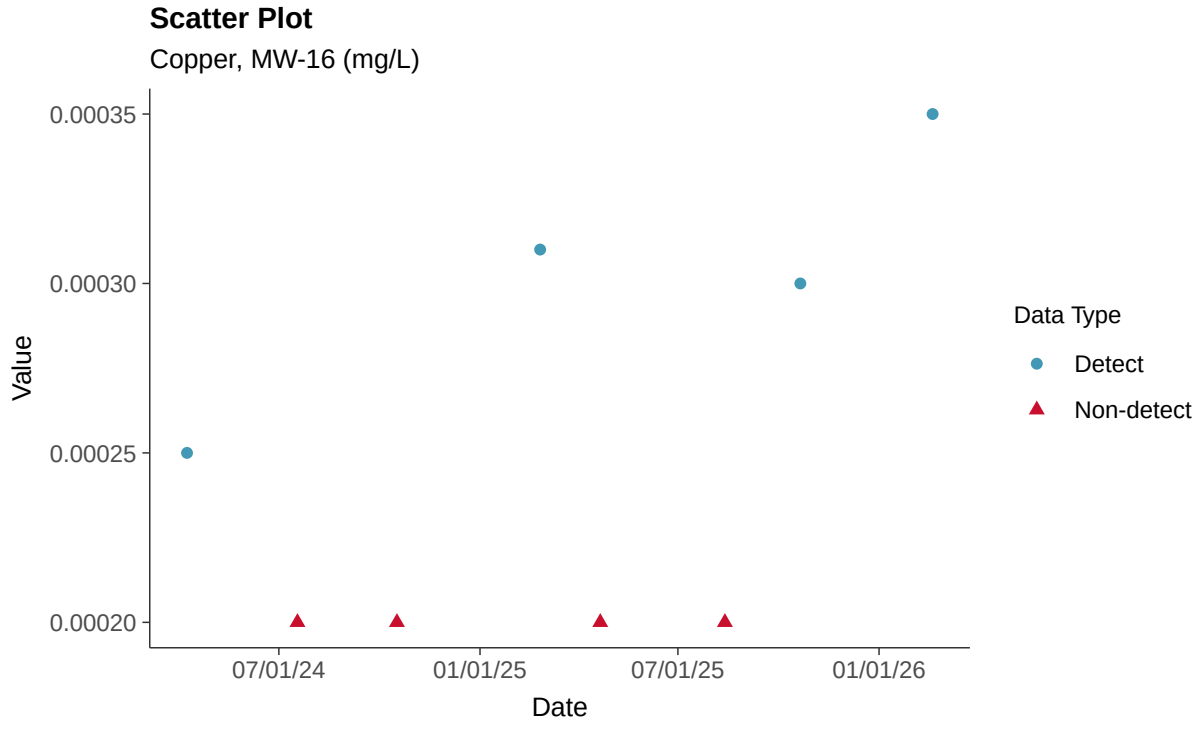
Boxplot by Season

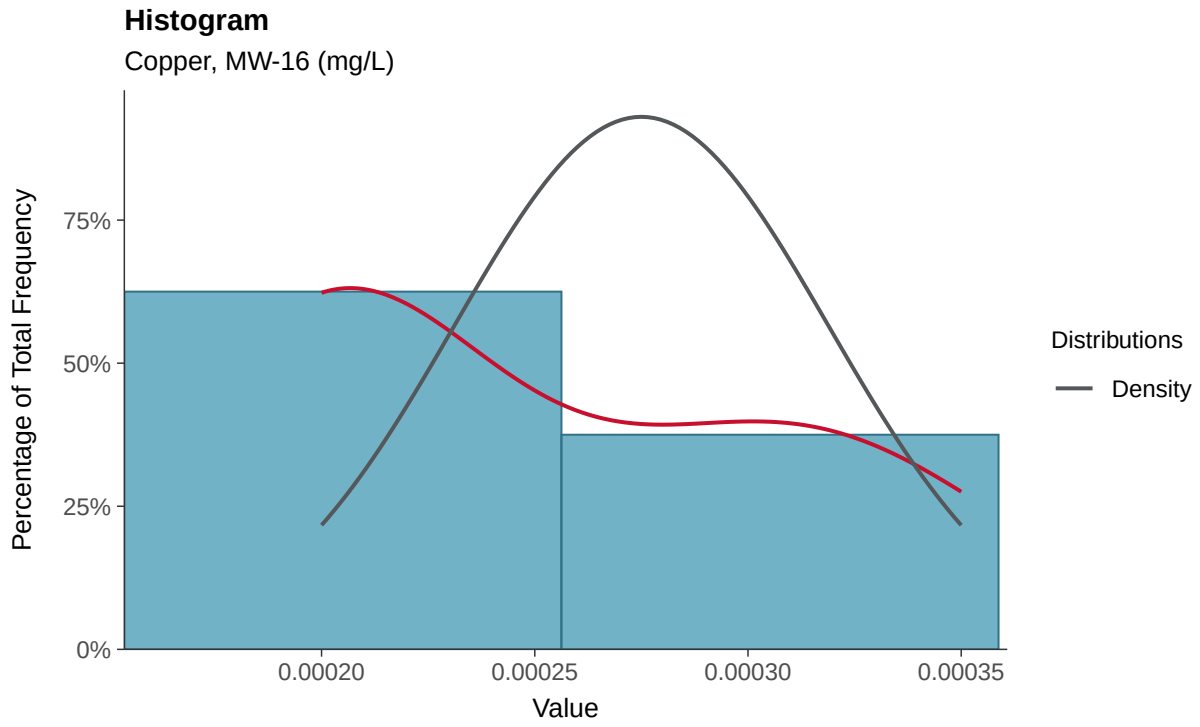
Thallium, MW-16 (mg/L)



Part 115: Copper, MW-16

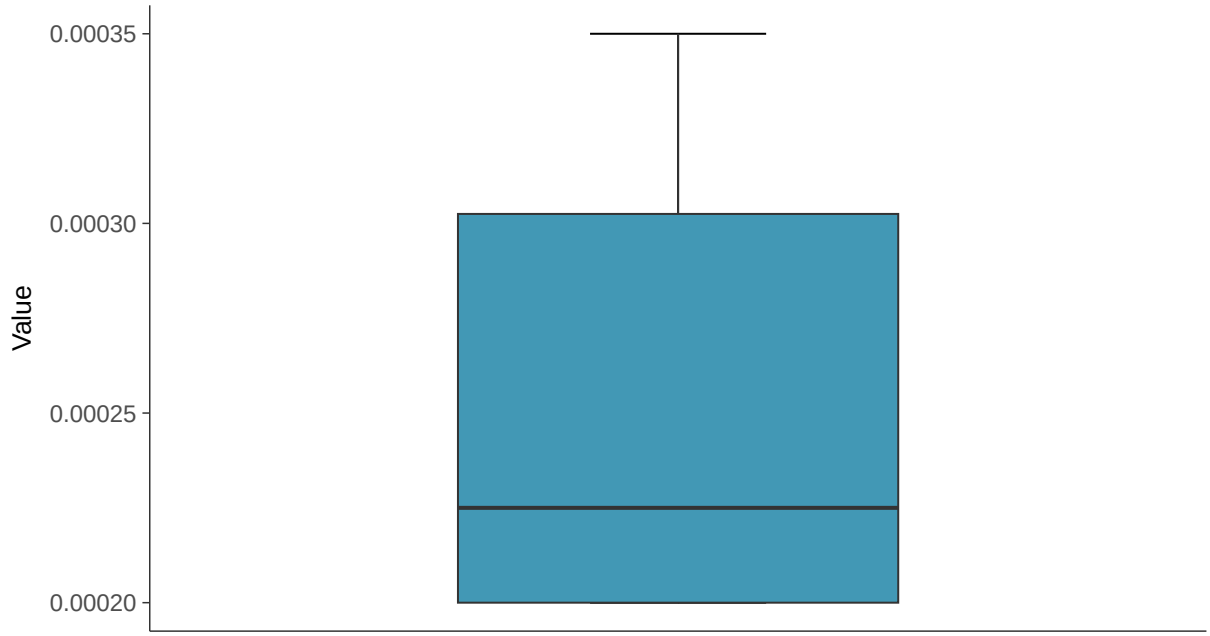
ID: 26_1_5_111





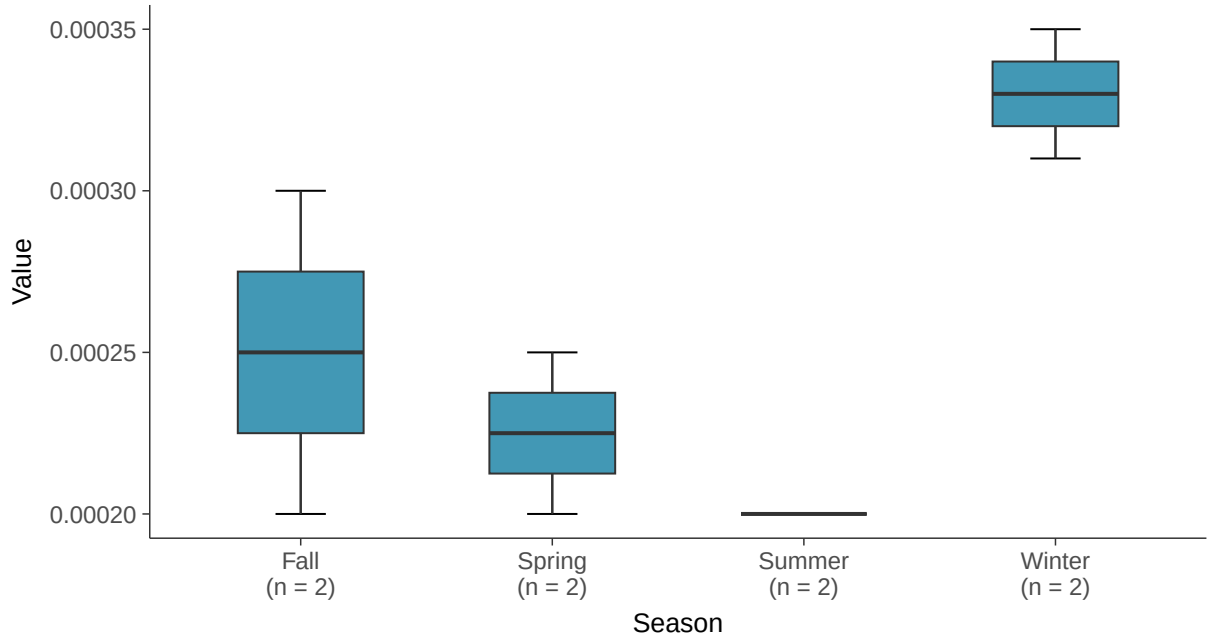
Boxplot

Copper, MW-16 (mg/L)



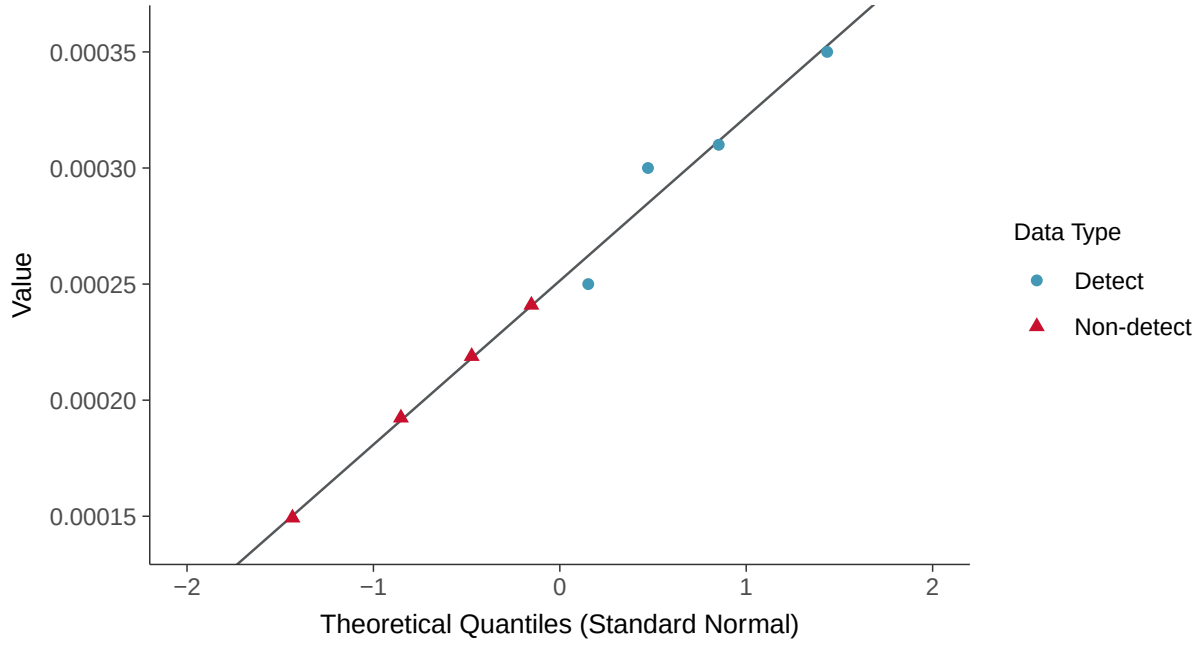
Boxplot by Season

Copper, MW-16 (mg/L)



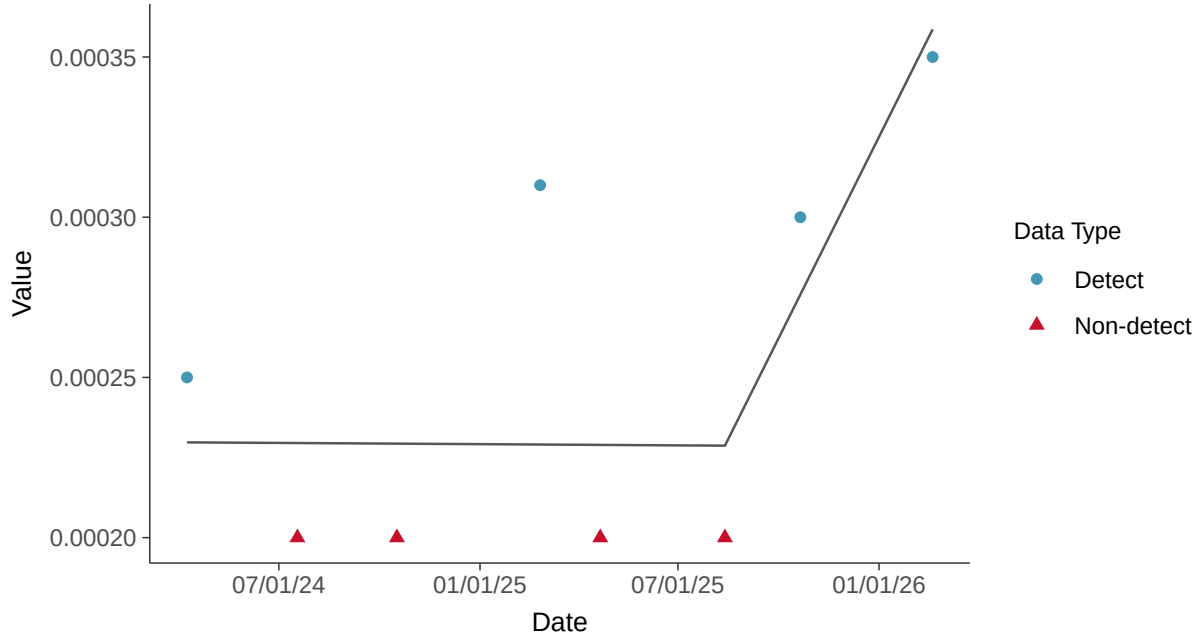
Normal Q-Q plot using ROS Imputed Estimates

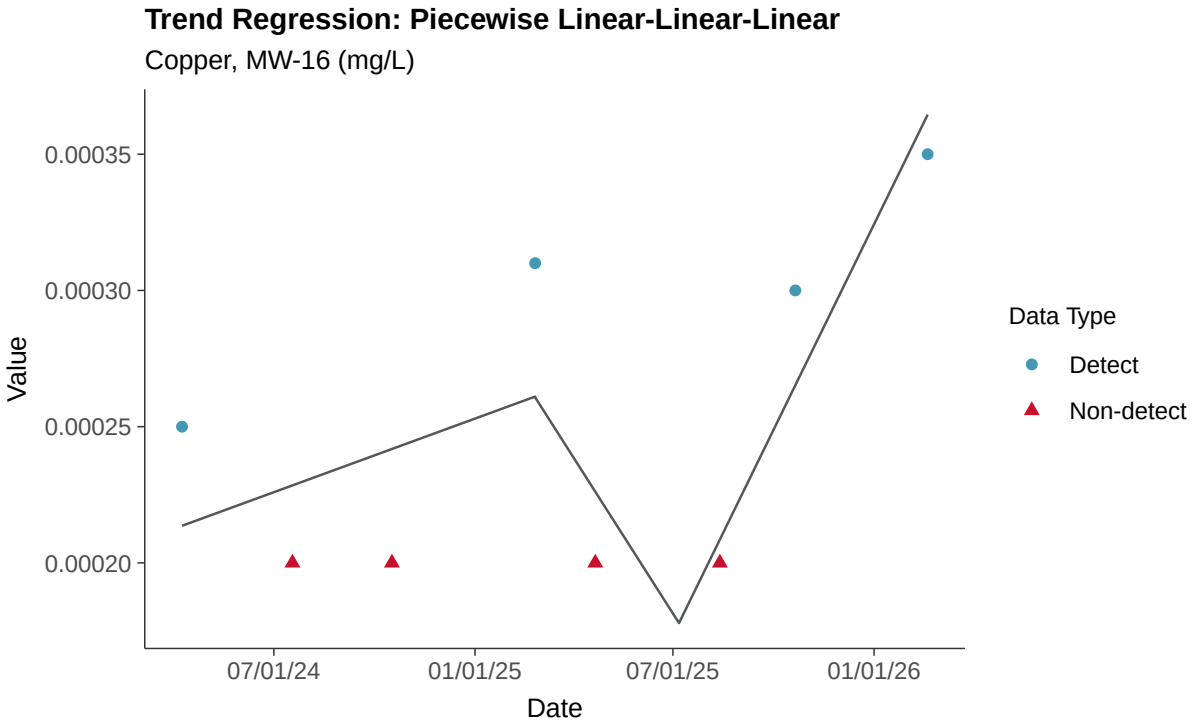
Copper, MW-16 (mg/L)



Trend Regression: Piecewise Linear-Linear

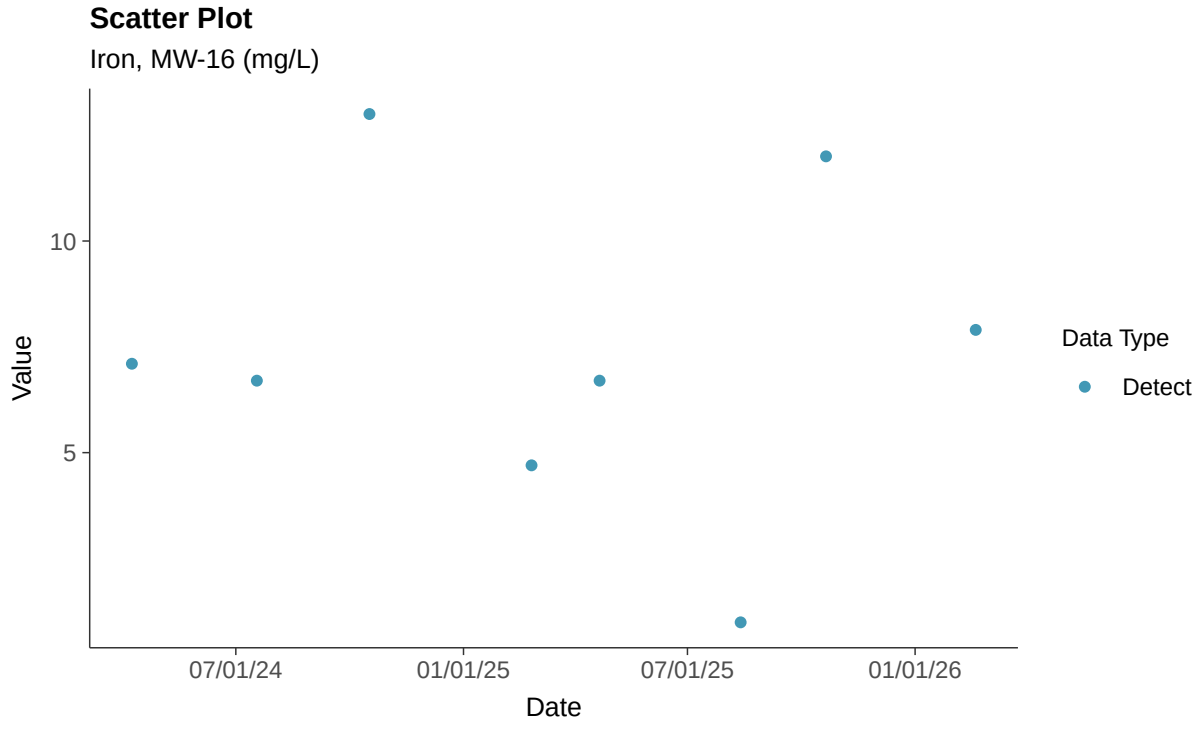
Copper, MW-16 (mg/L)

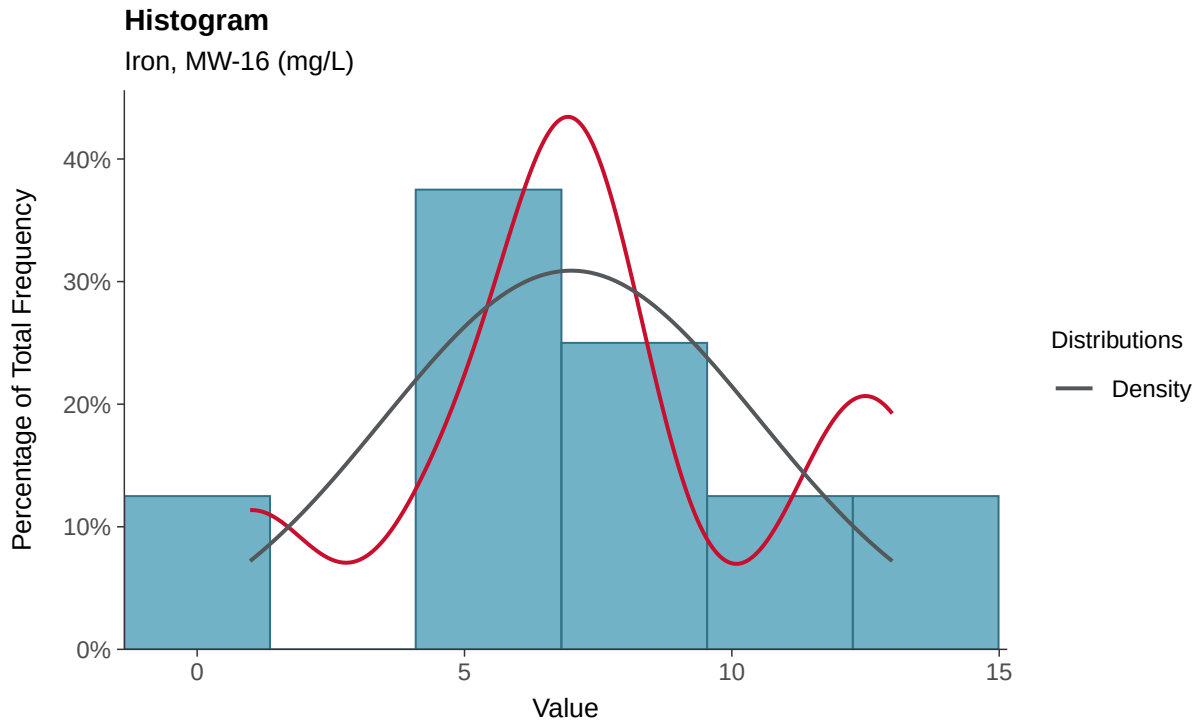



Trend Regression: Piecewise Linear-Linear-Linear
Copper, MW-16 (mg/L)
0.00035
0.00030
0.00025
0.00020
Value
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Iron, MW-16

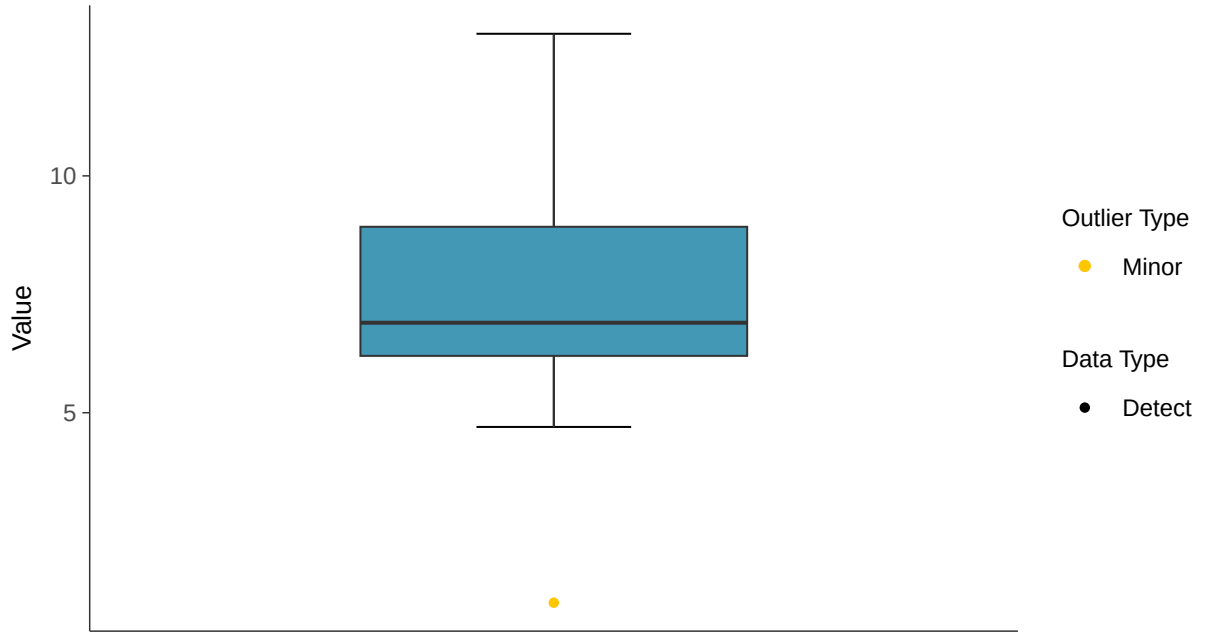
ID: 26_1_5_114





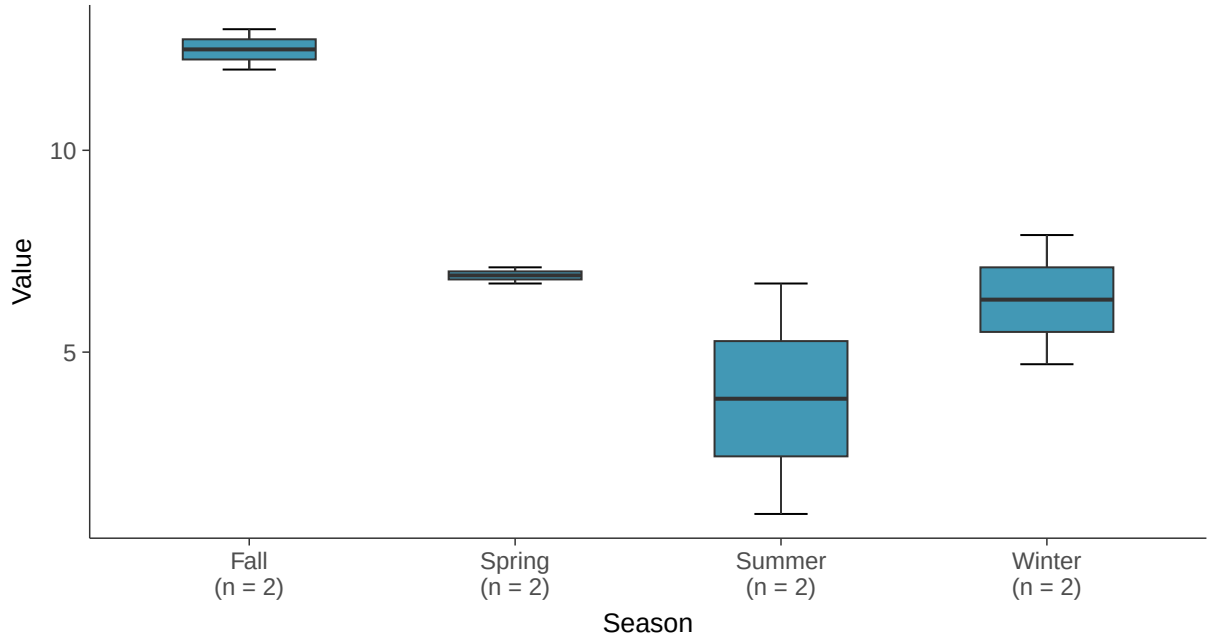
Boxplot

Iron, MW-16 (mg/L)



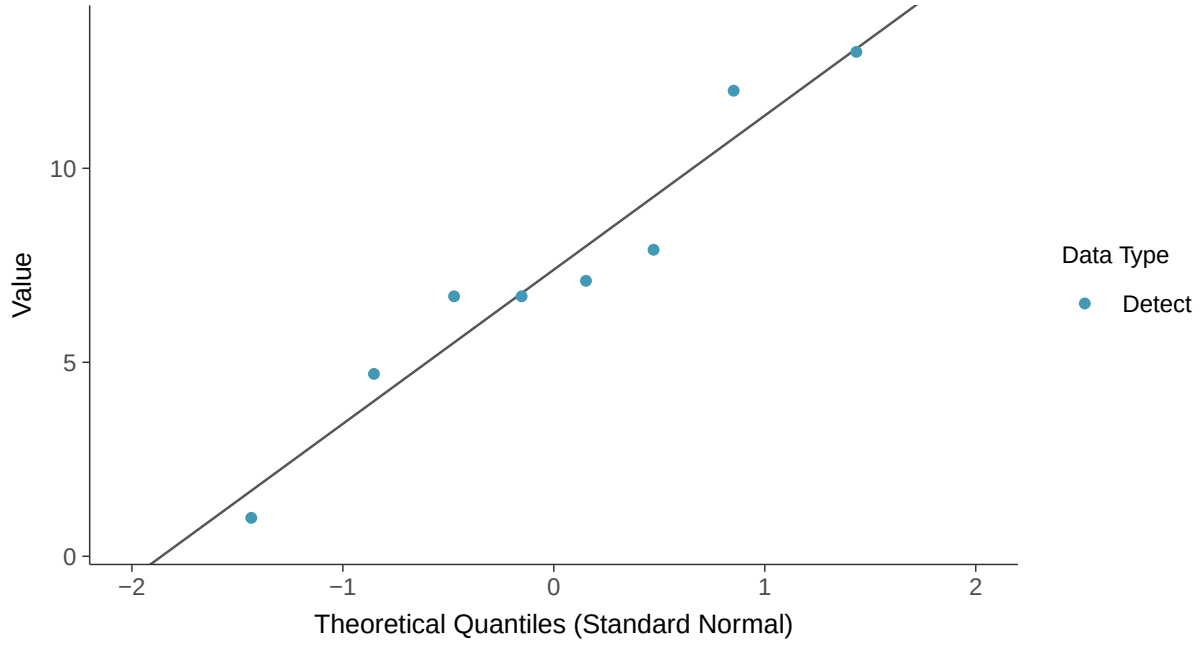
Boxplot by Season

Iron, MW-16 (mg/L)



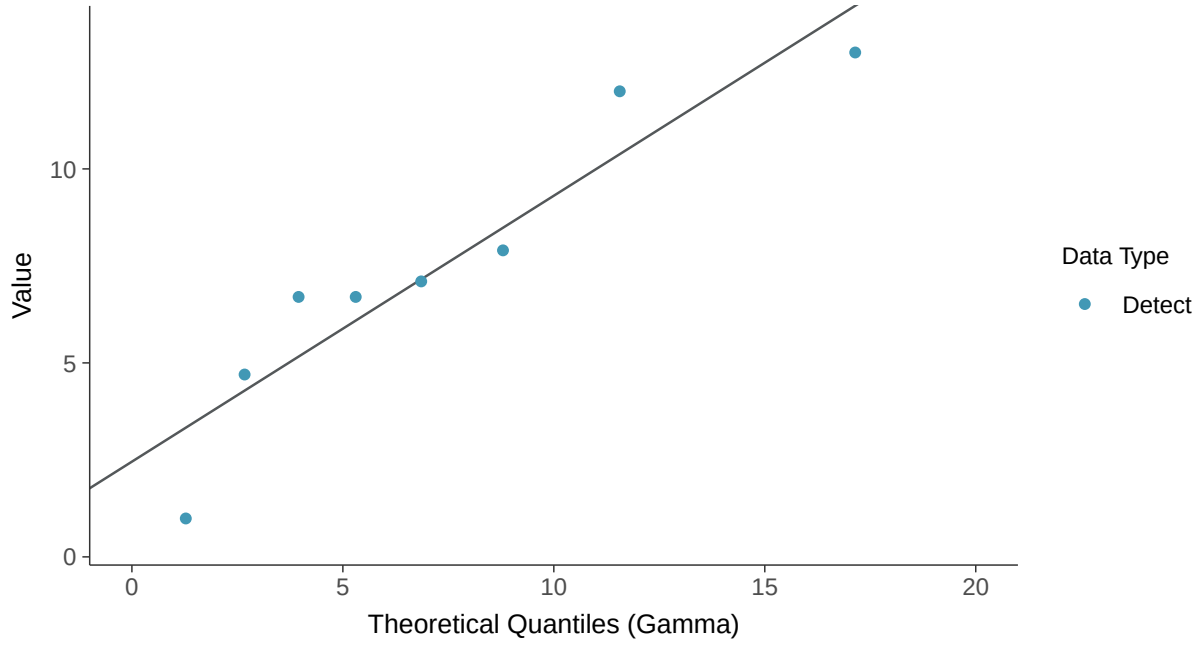
Normal Q-Q plot

Iron, MW-16 (mg/L)



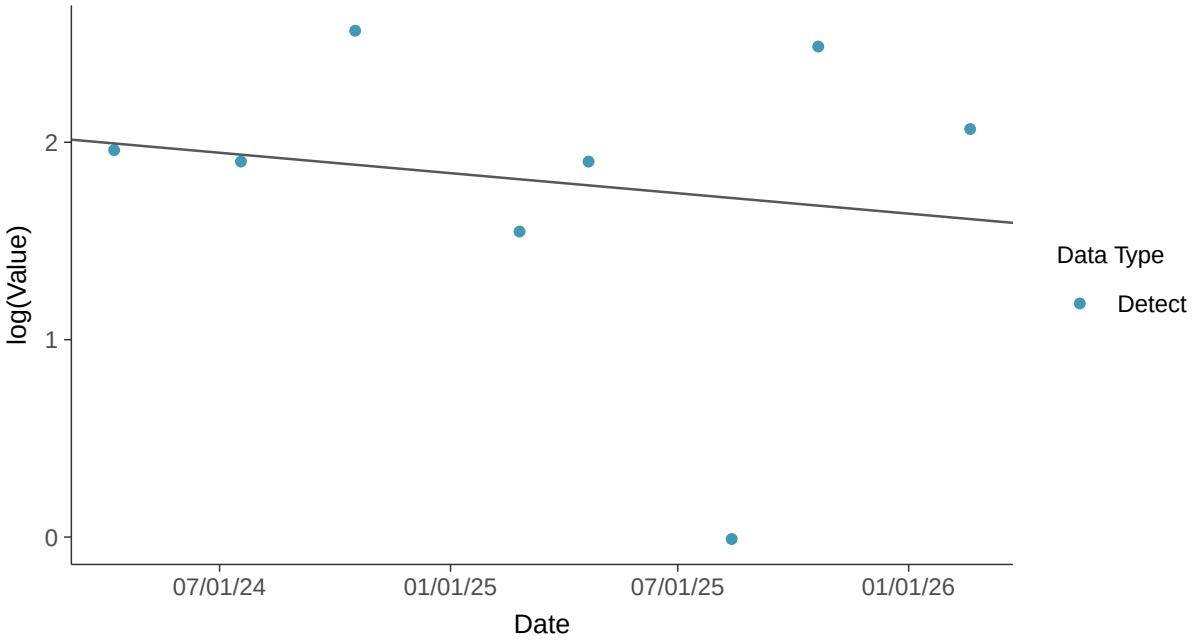
Gamma Q-Q plot

Iron, MW-16 (mg/L)



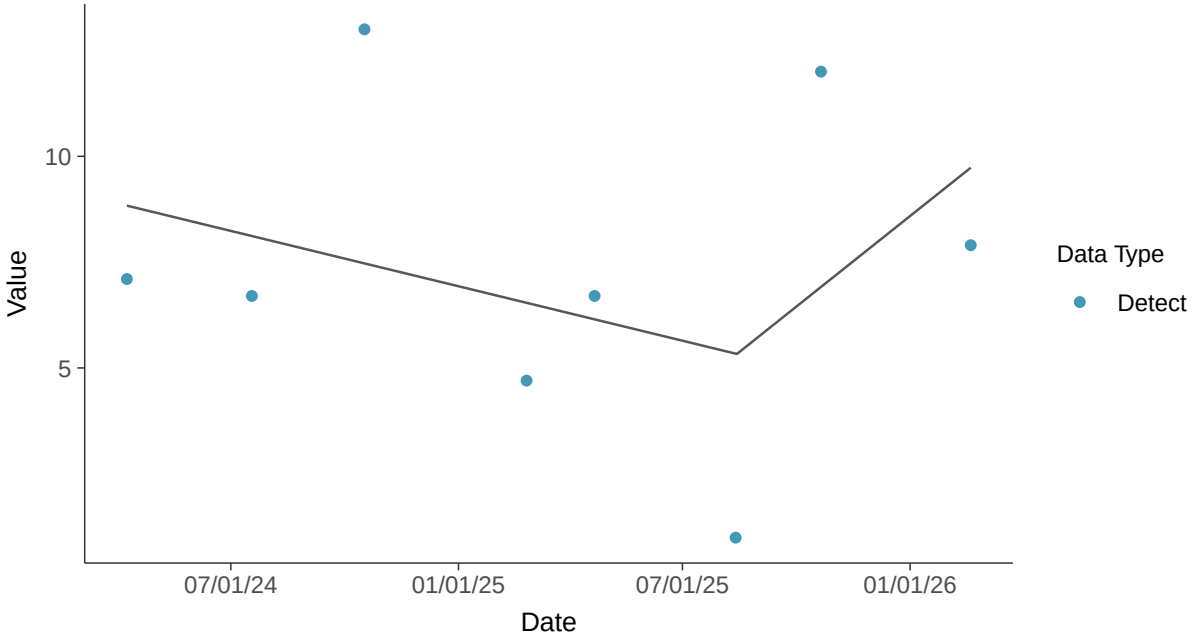
Trend Regression: Lognormal MLE

Iron, MW-16 (mg/L)



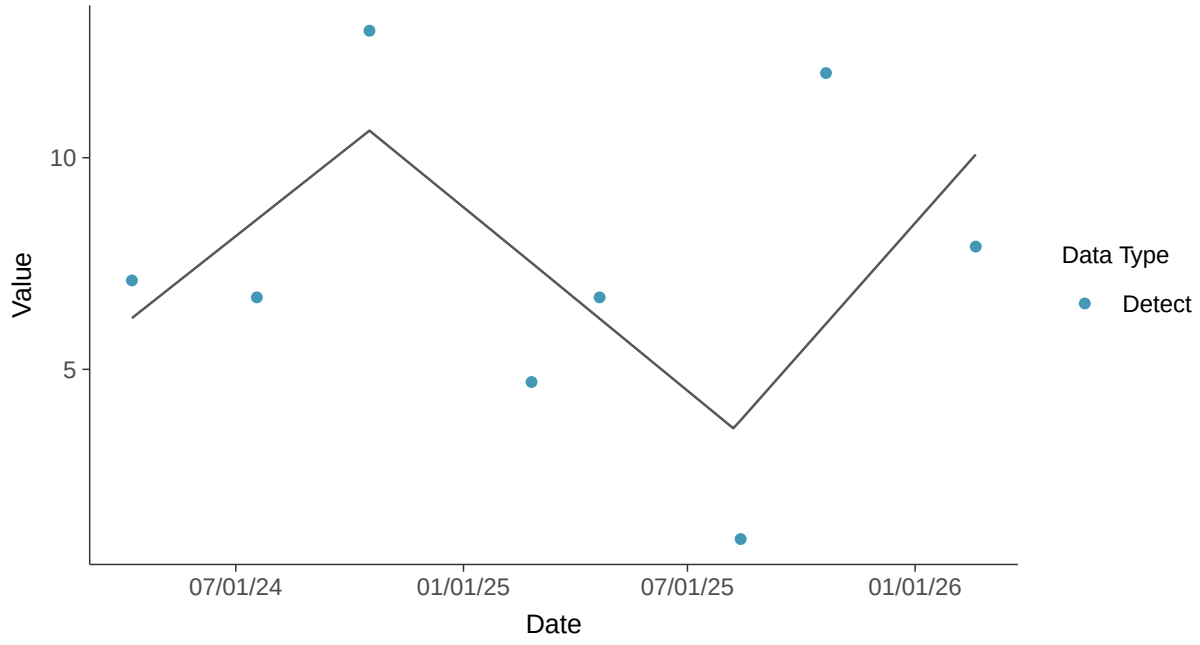
Trend Regression: Piecewise Linear-Linear

Iron, MW-16 (mg/L)



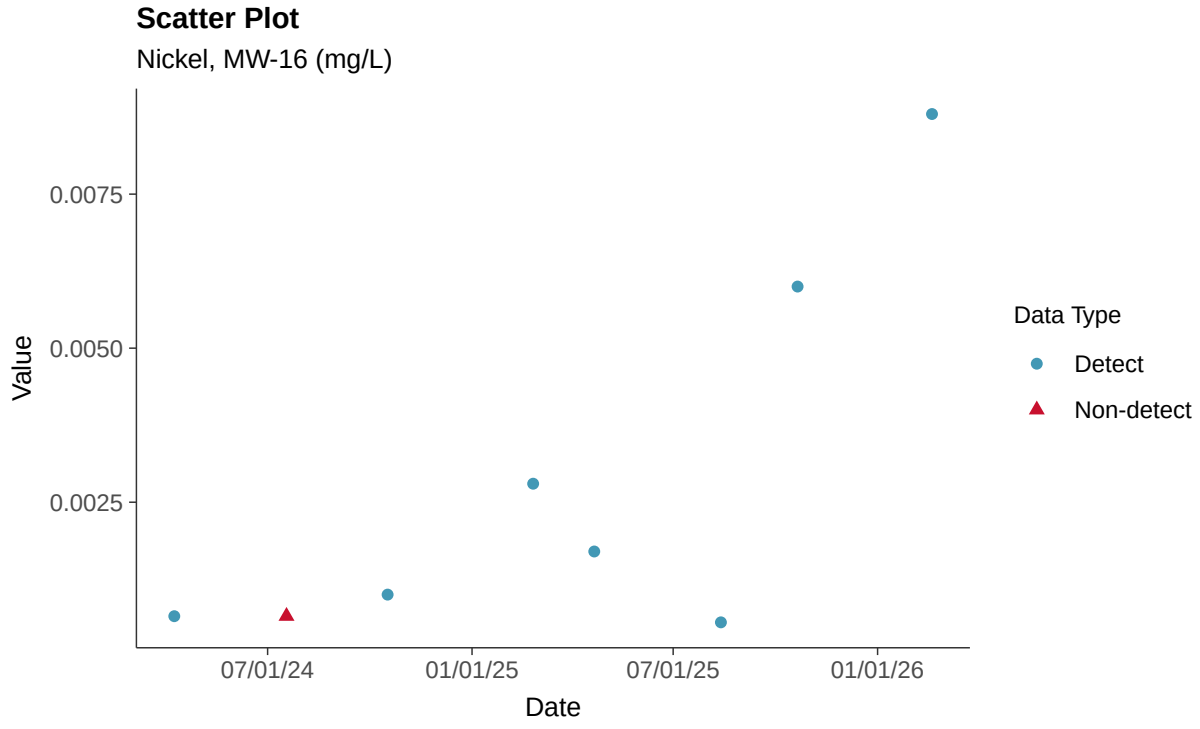
Trend Regression: Piecewise Linear-Linear-Linear

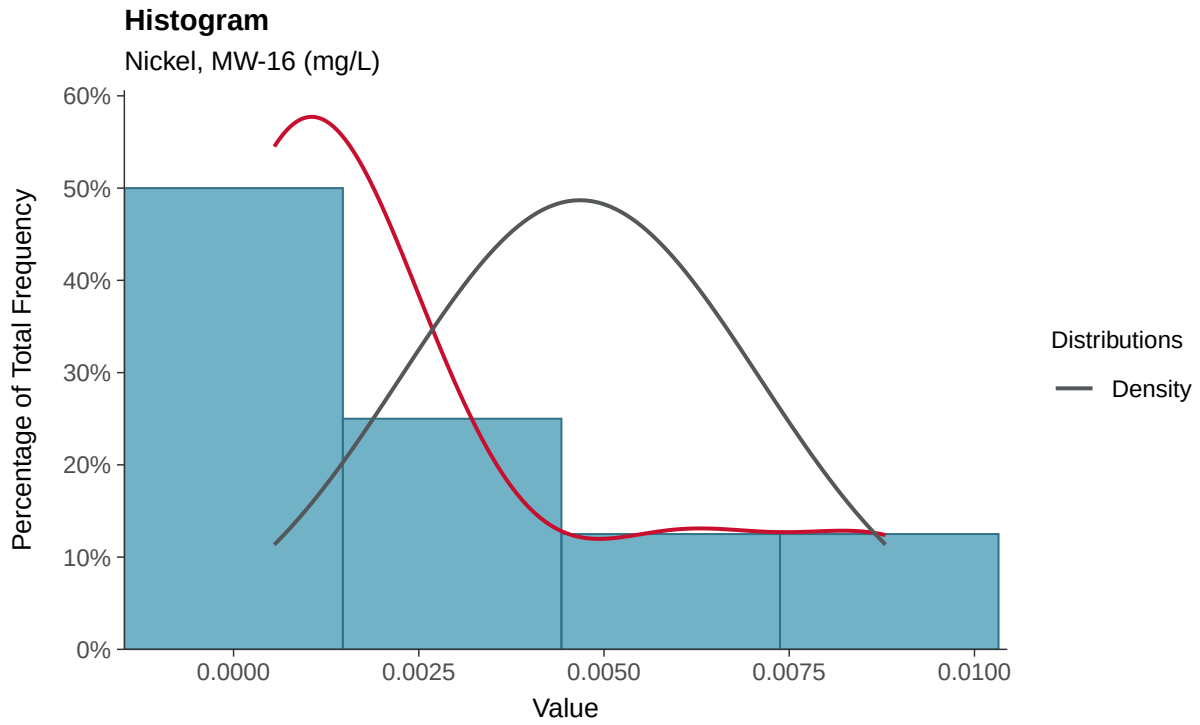
Iron, MW-16 (mg/L)



Part 115: Nickel, MW-16

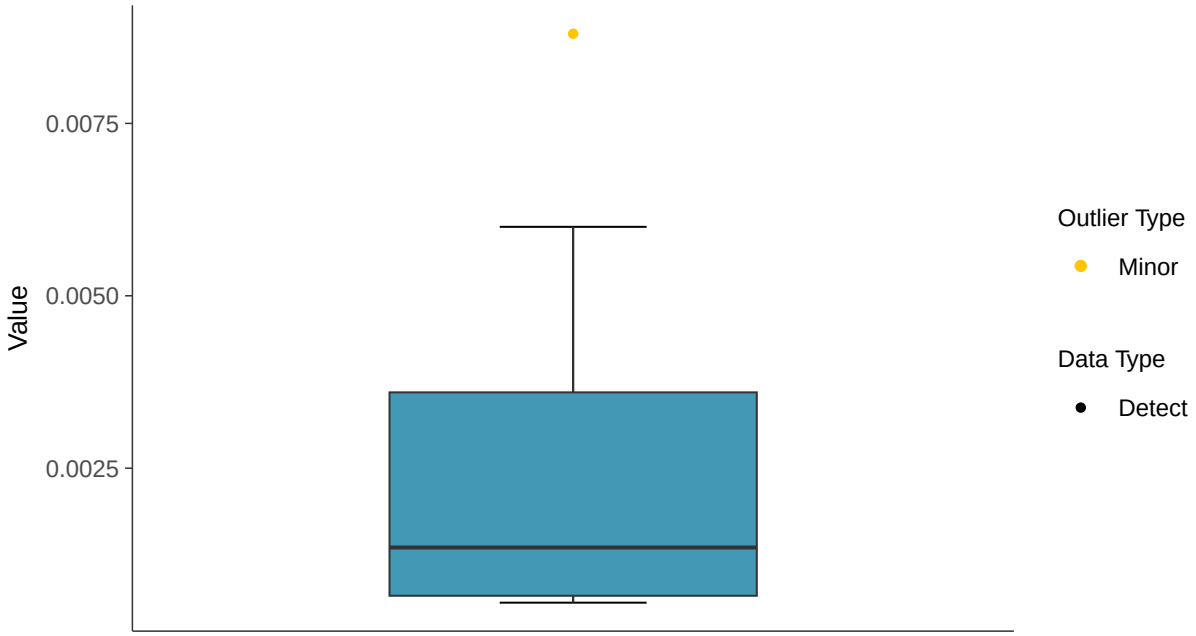
ID: 26_1_5_119





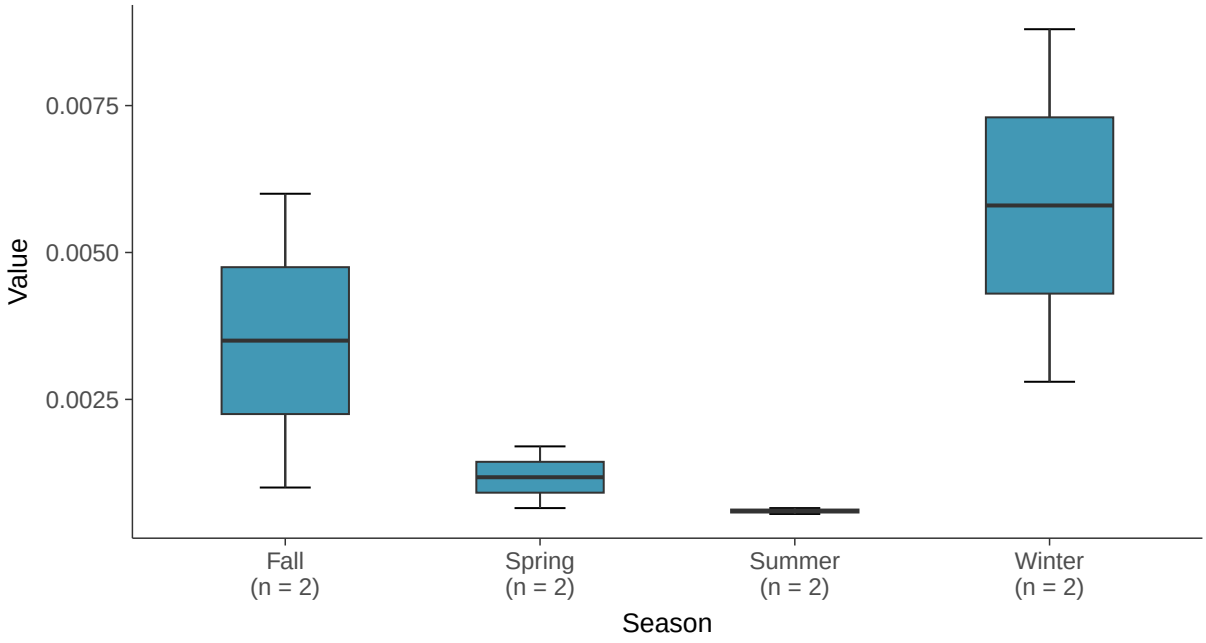
Boxplot

Nickel, MW-16 (mg/L)



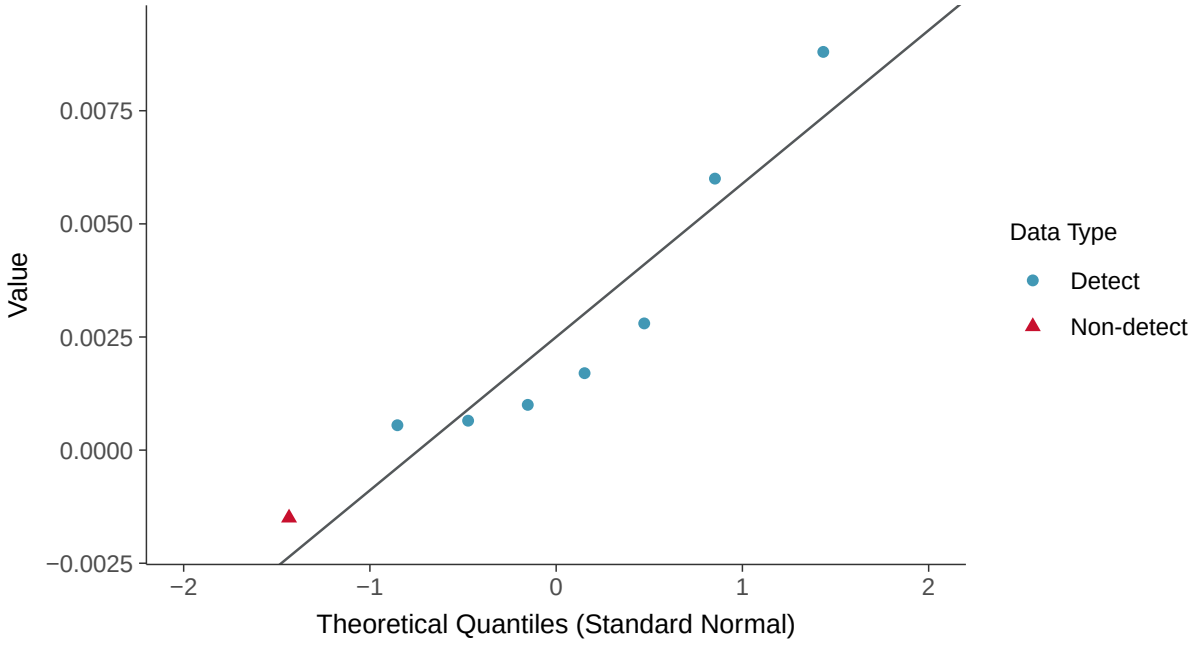
Boxplot by Season

Nickel, MW-16 (mg/L)



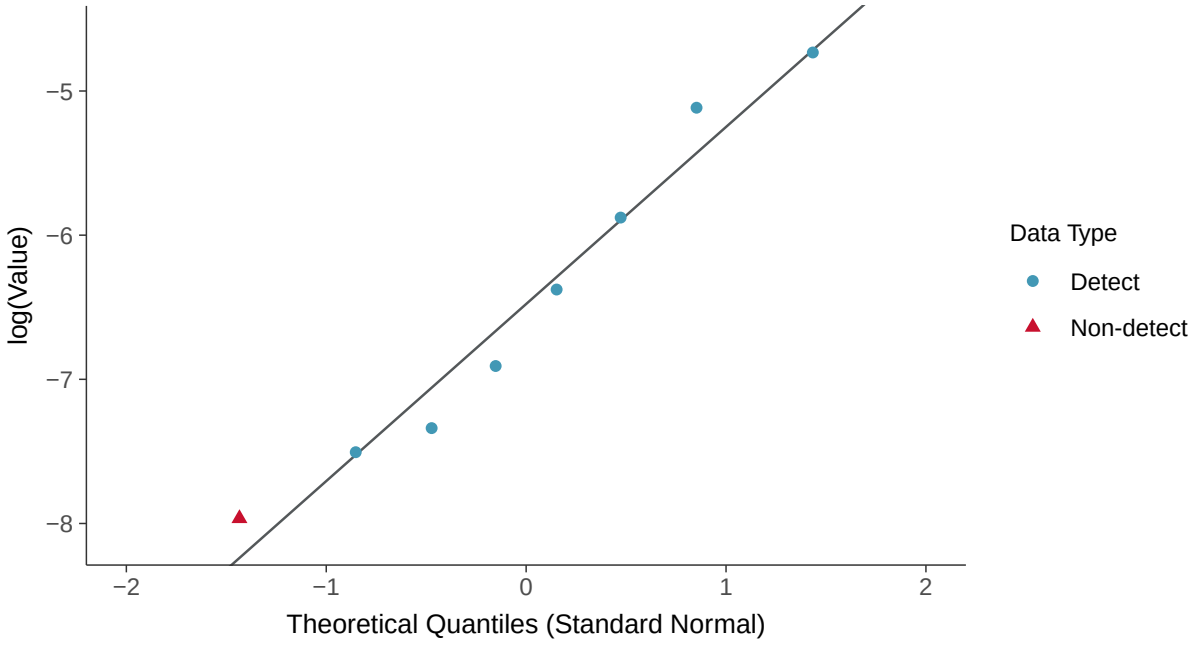
Normal Q-Q plot using ROS Imputed Estimates

Nickel, MW-16 (mg/L)



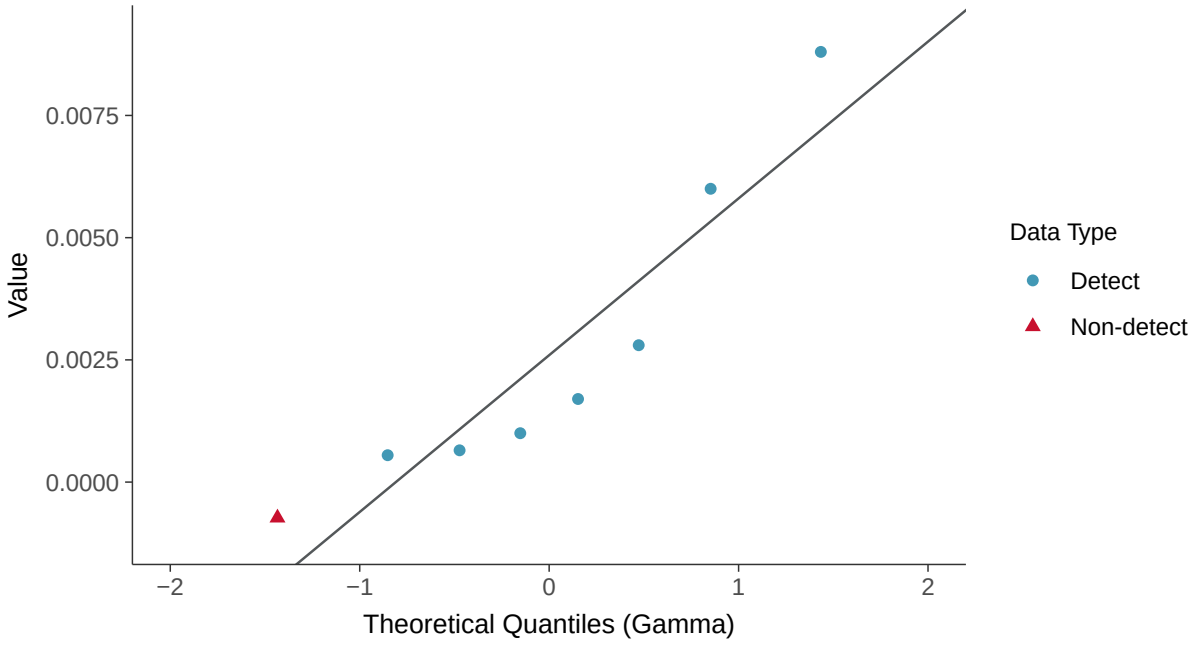
Lognormal Q-Q plot using ROS Imputed Estimates

Nickel, MW-16 (mg/L)



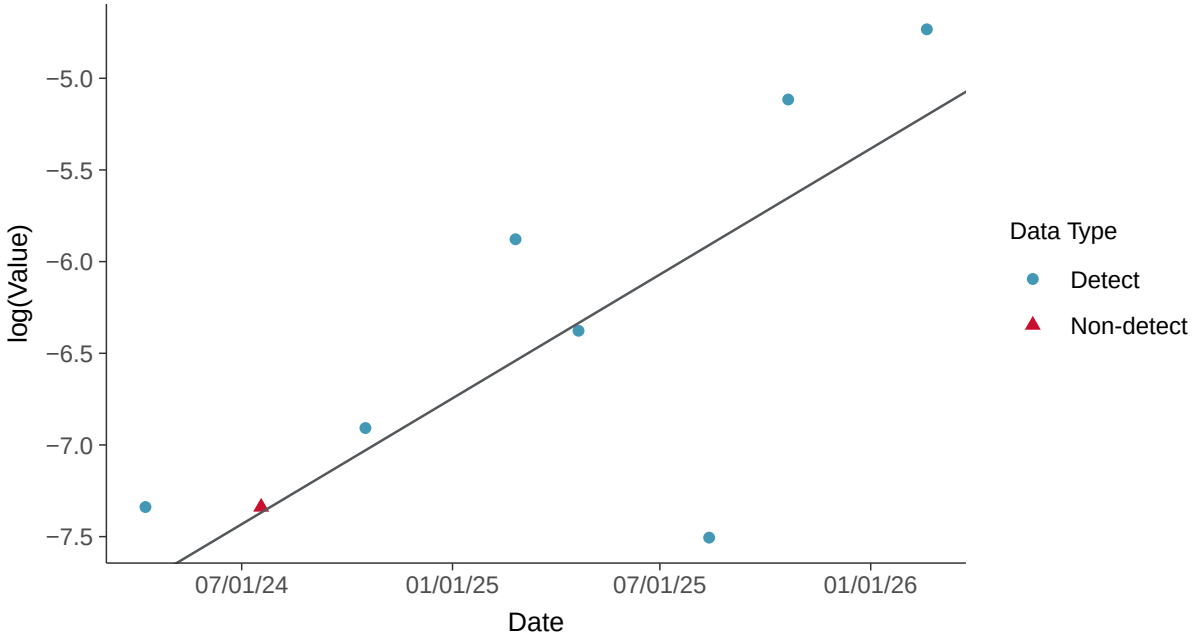
Gamma Q-Q plot using ROS Imputed Estimates

Nickel, MW-16 (mg/L)



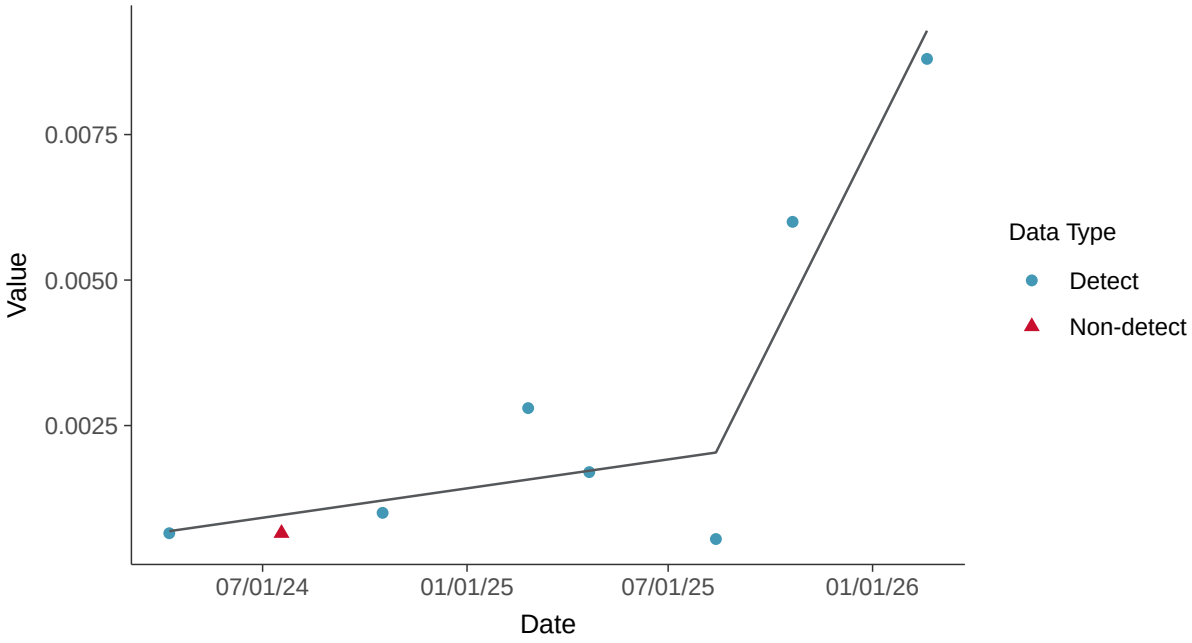
Trend Regression: Lognormal MLE

Nickel, MW-16 (mg/L)



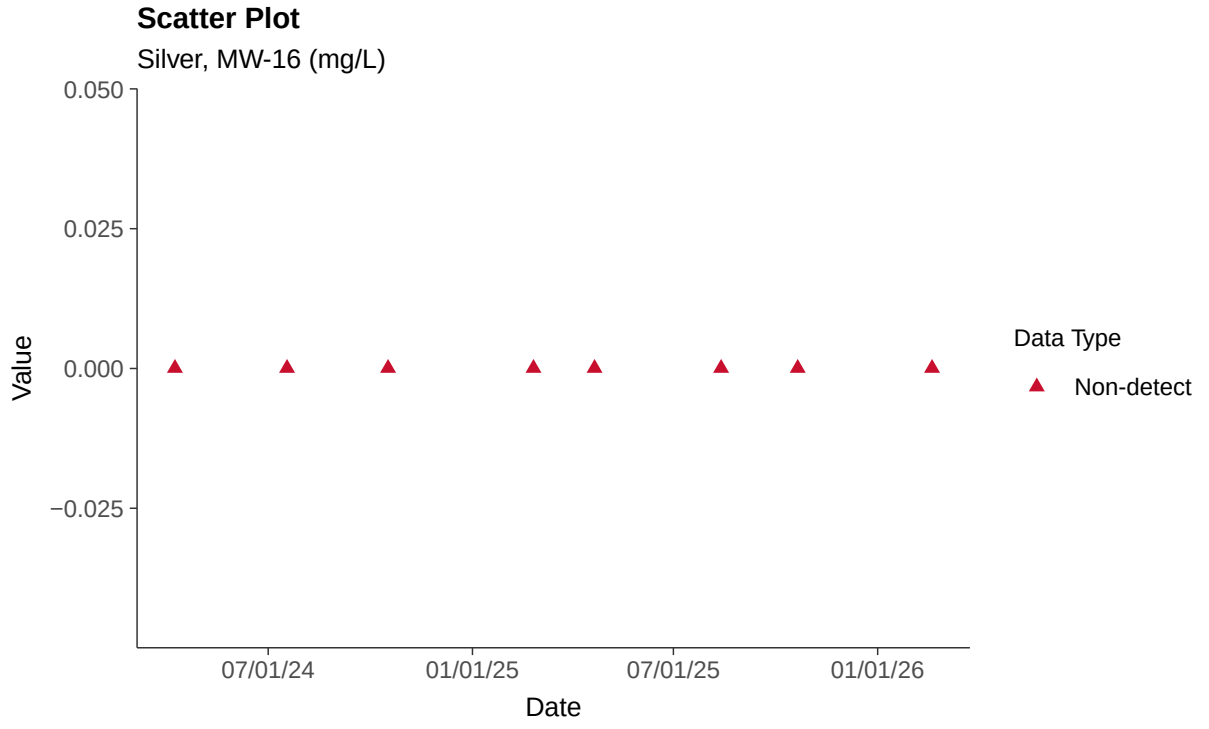
Trend Regression: Piecewise Linear-Linear

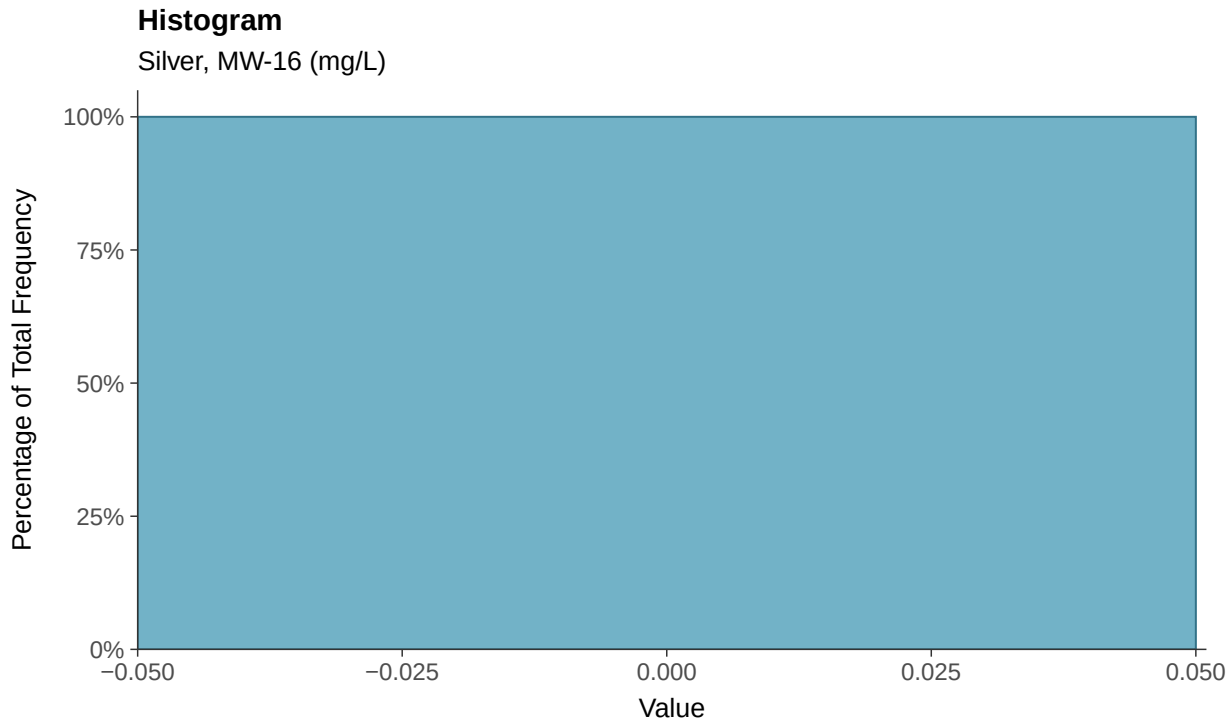
Nickel, MW-16 (mg/L)



Part 115: Silver, MW-16

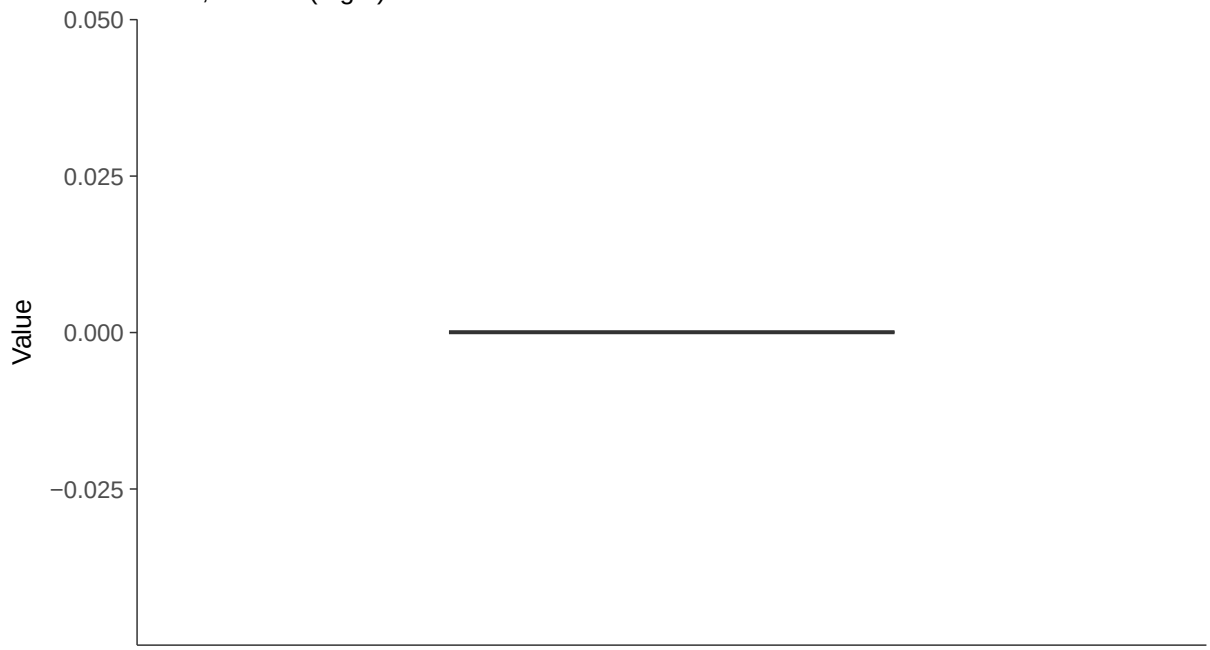
ID: 26_1_5_123





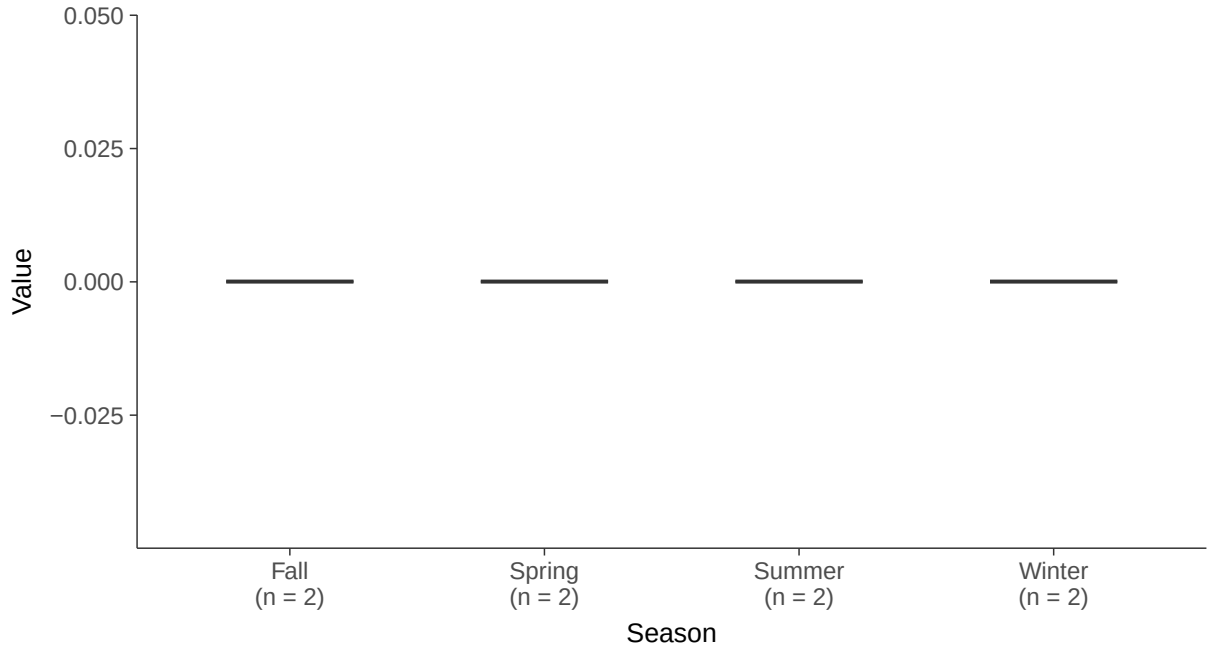
Boxplot

Silver, MW-16 (mg/L)



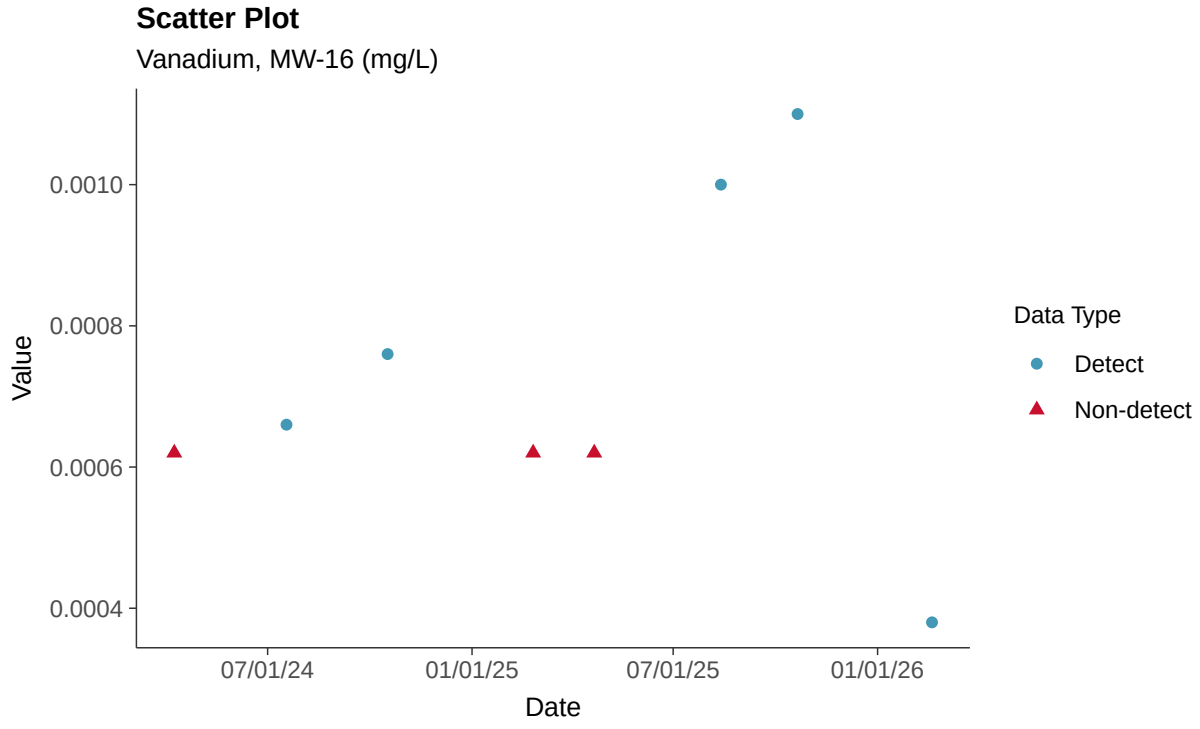
Boxplot by Season

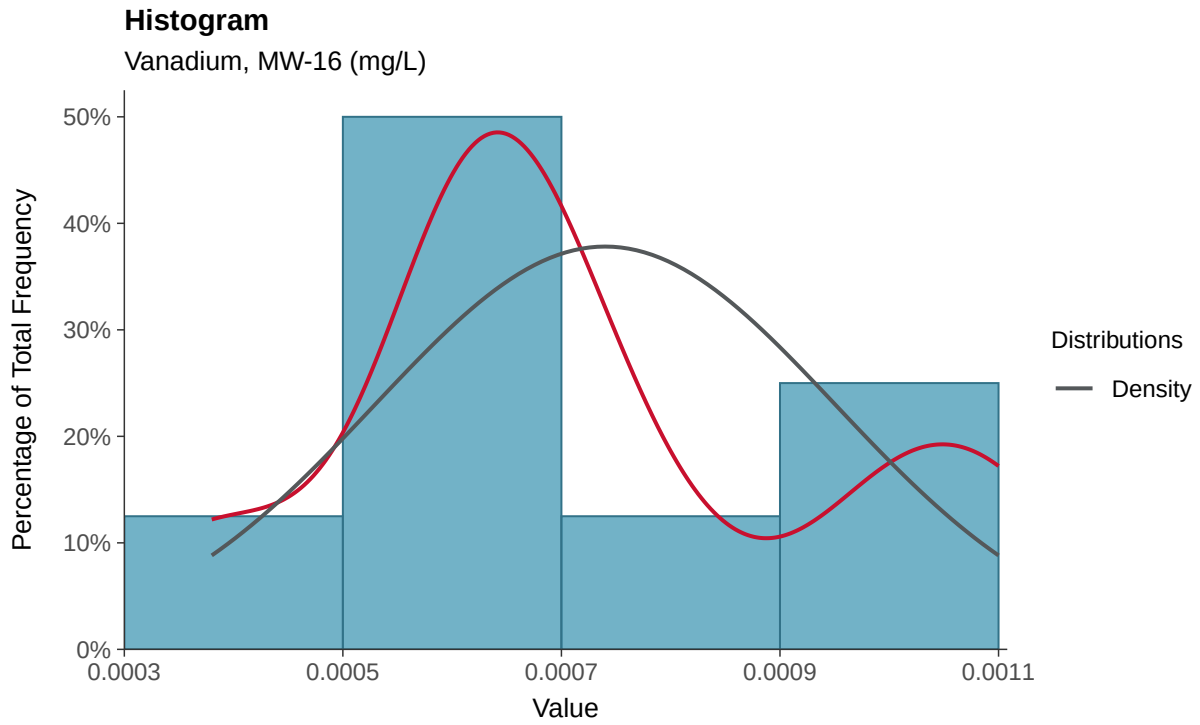
Silver, MW-16 (mg/L)



Part 115: Vanadium, MW-16

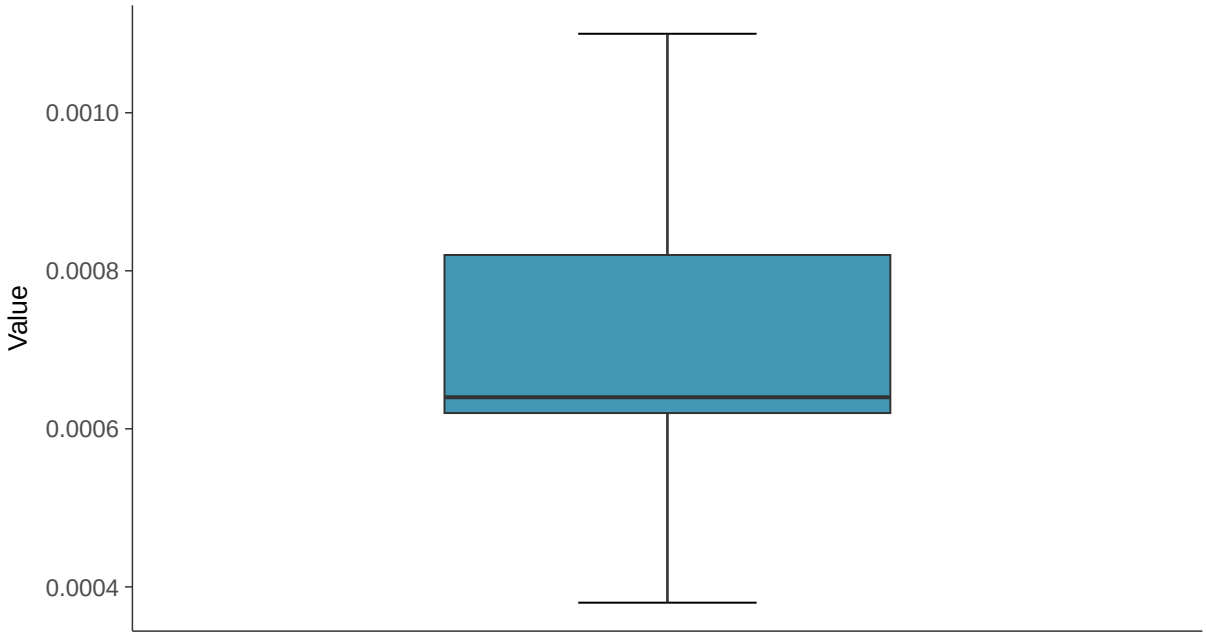
ID: 26_1_5_128





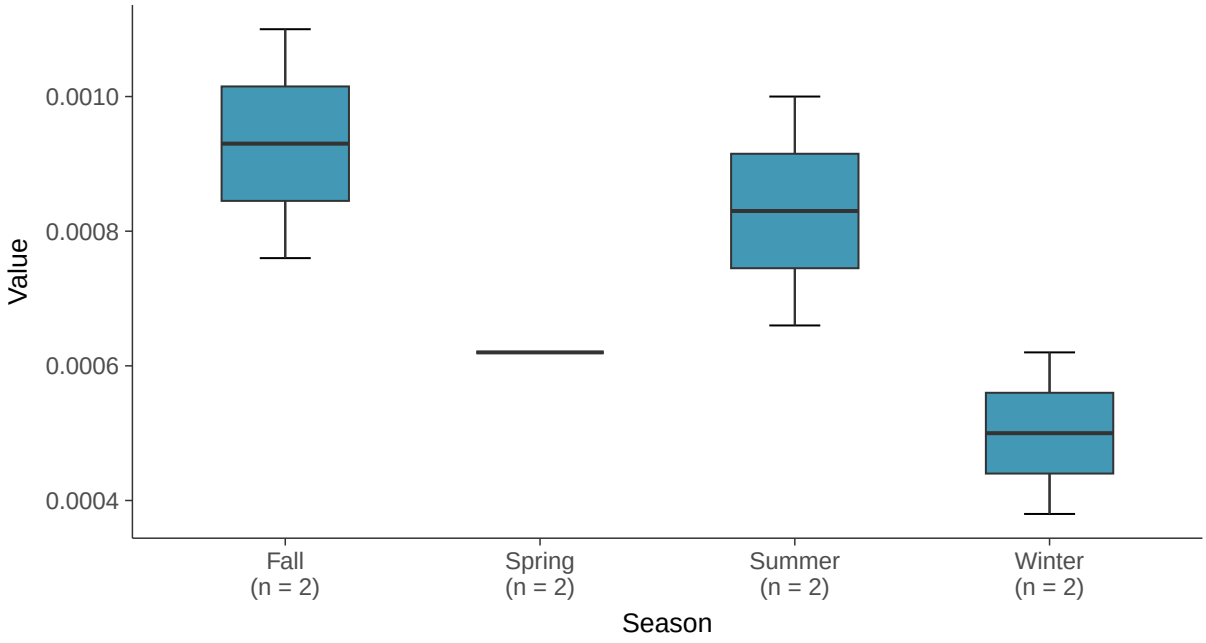
Boxplot

Vanadium, MW-16 (mg/L)



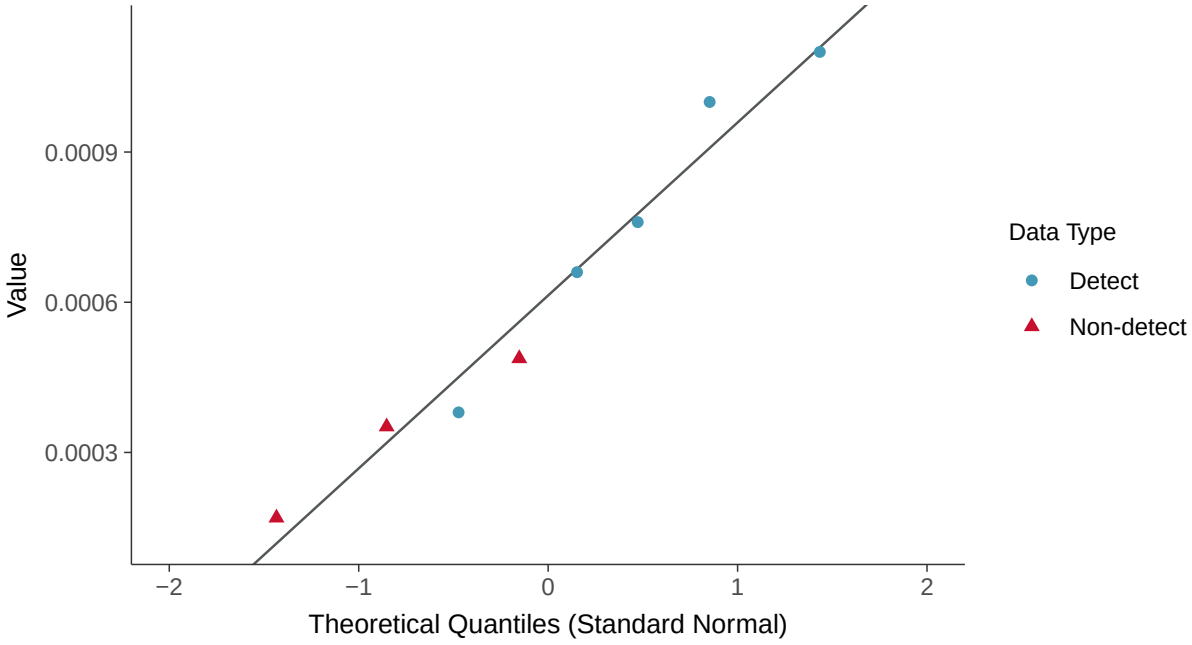
Boxplot by Season

Vanadium, MW-16 (mg/L)



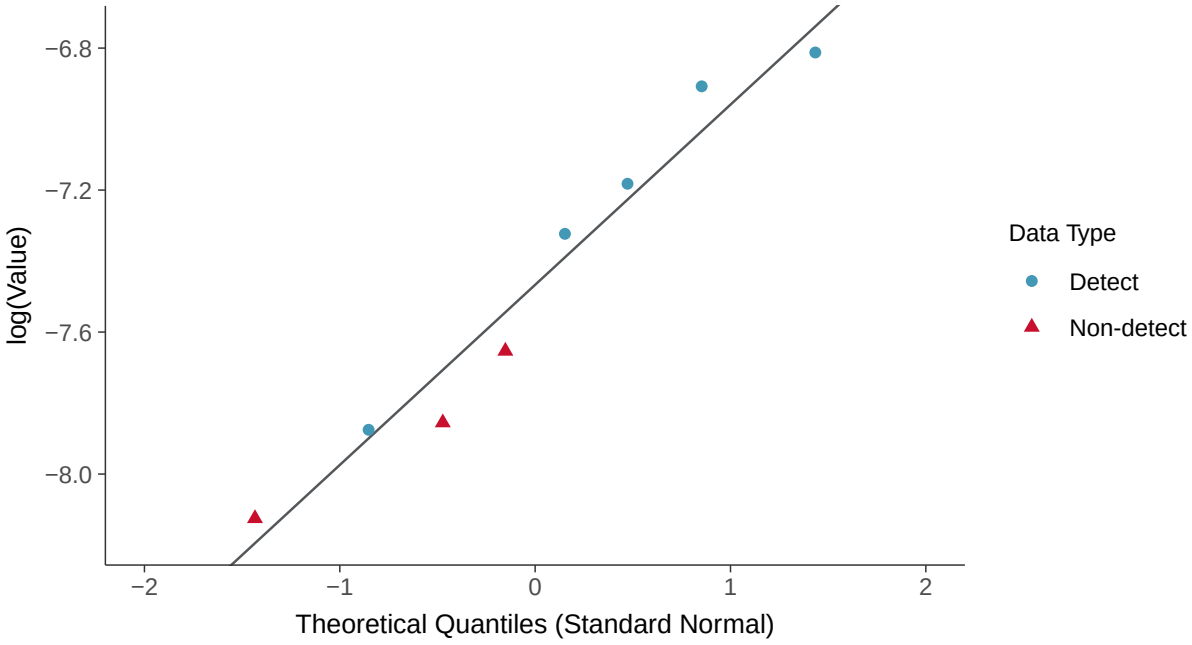
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-16 (mg/L)



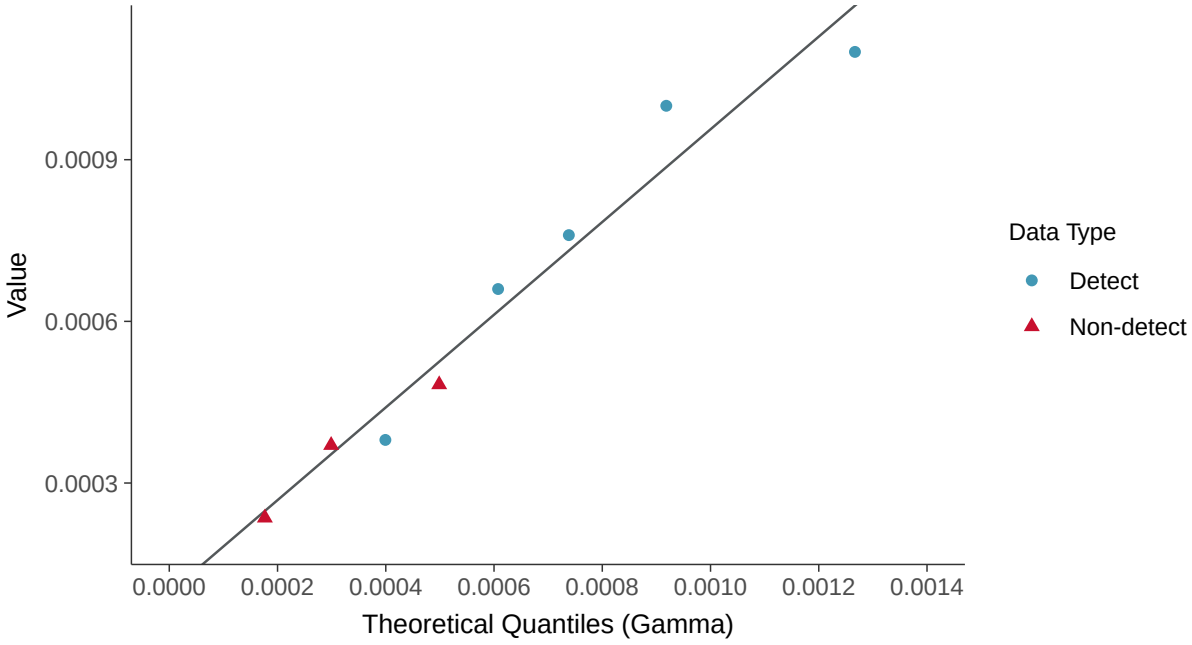
Lognormal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-16 (mg/L)



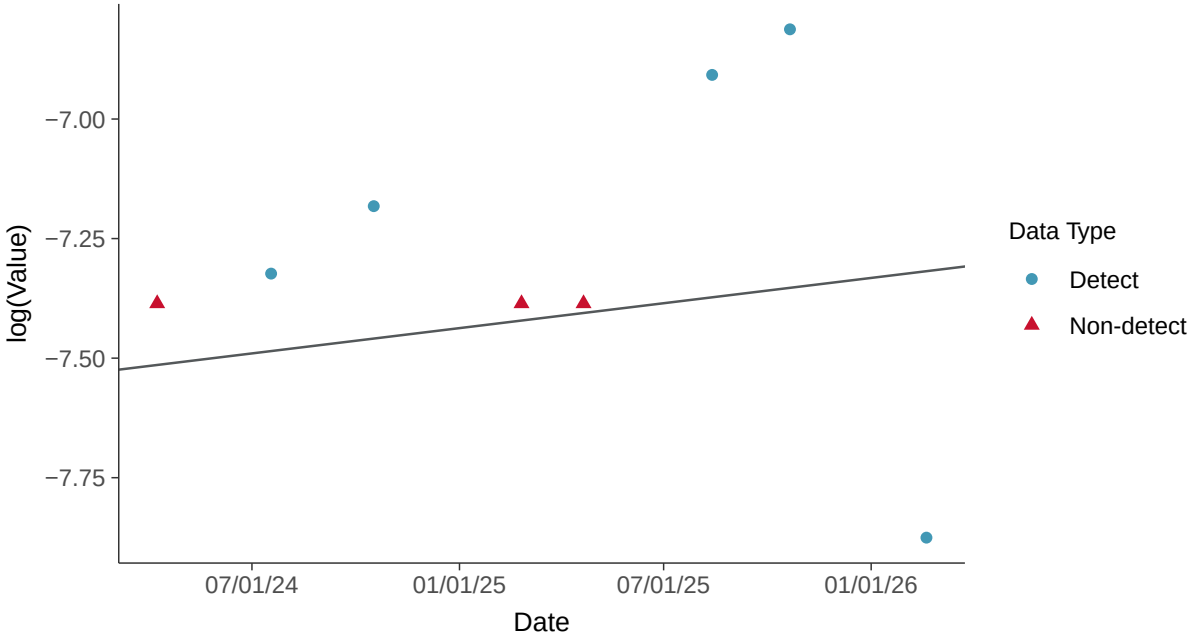
Gamma Q-Q plot using ROS Imputed Estimates

Vanadium, MW-16 (mg/L)



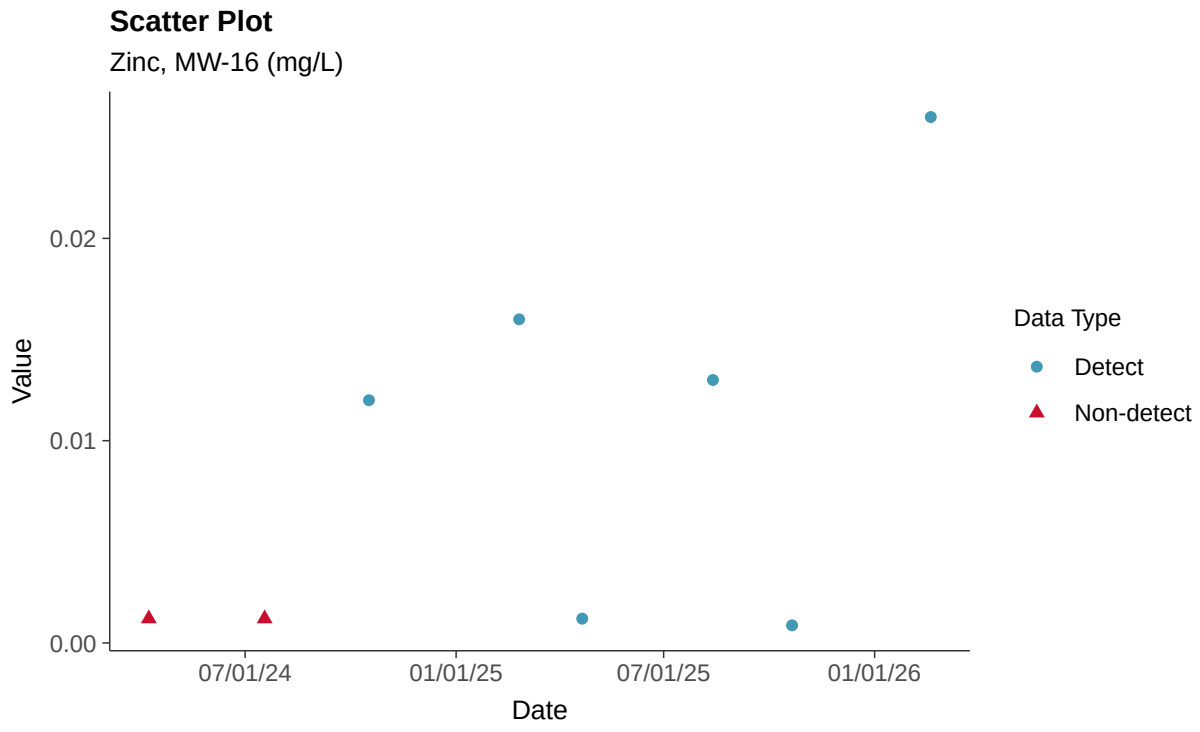
Trend Regression: Lognormal MLE

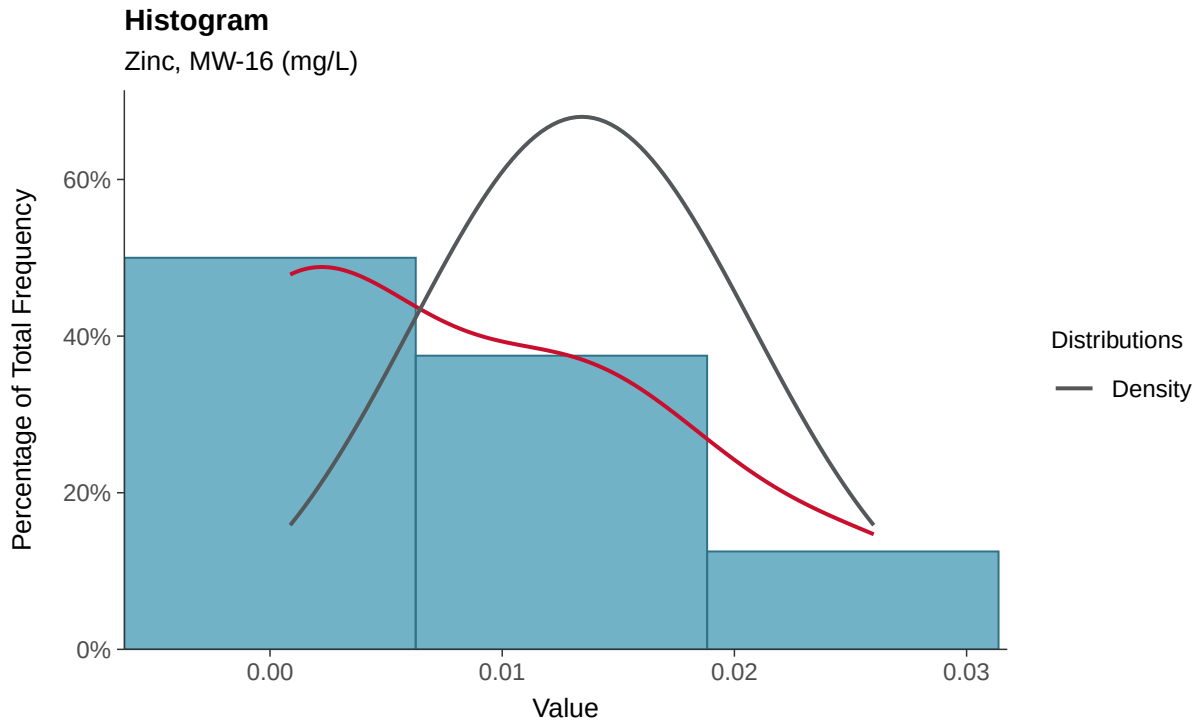
Vanadium, MW-16 (mg/L)



Part 115: Zinc, MW-16

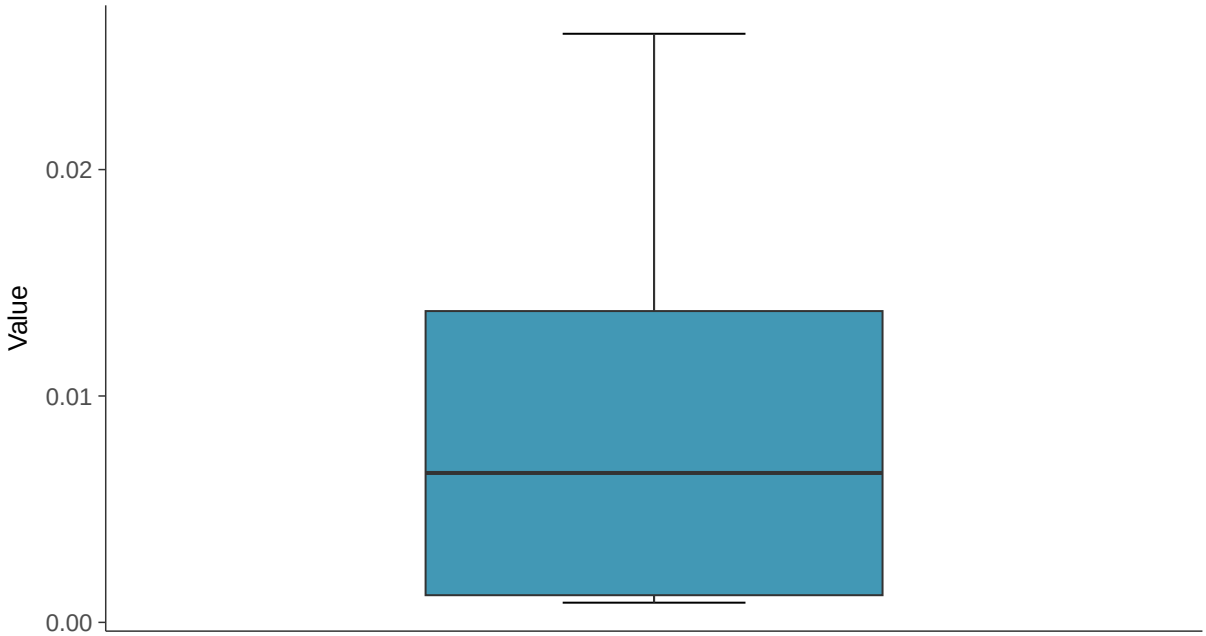
ID: 26_1_5_129





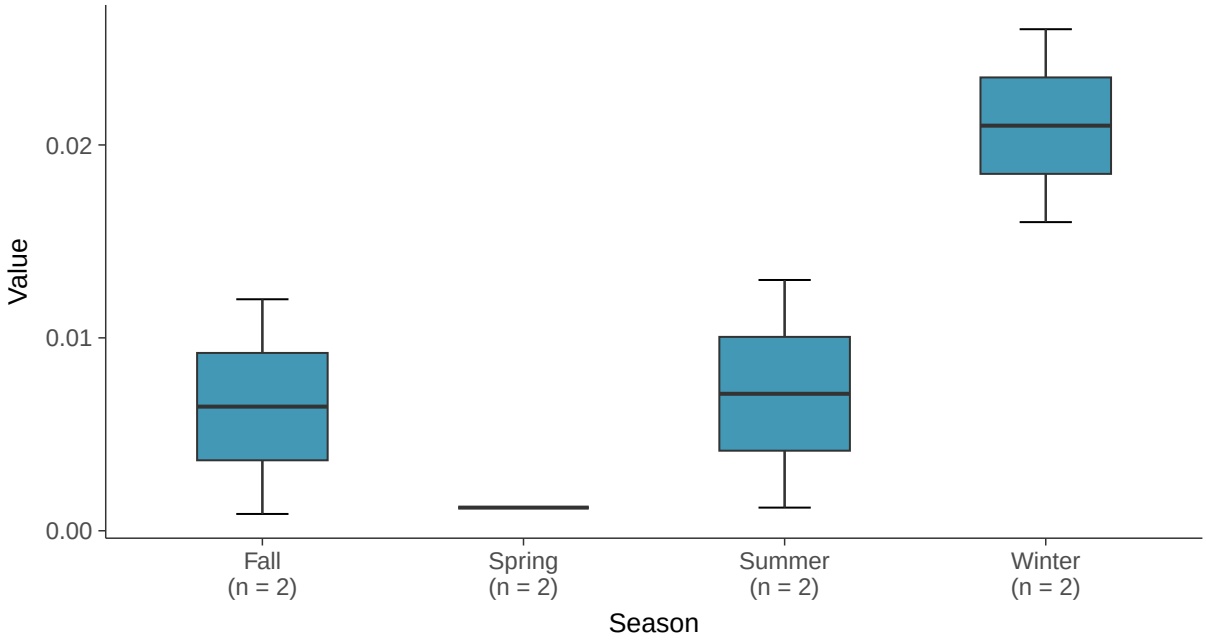
Boxplot

Zinc, MW-16 (mg/L)



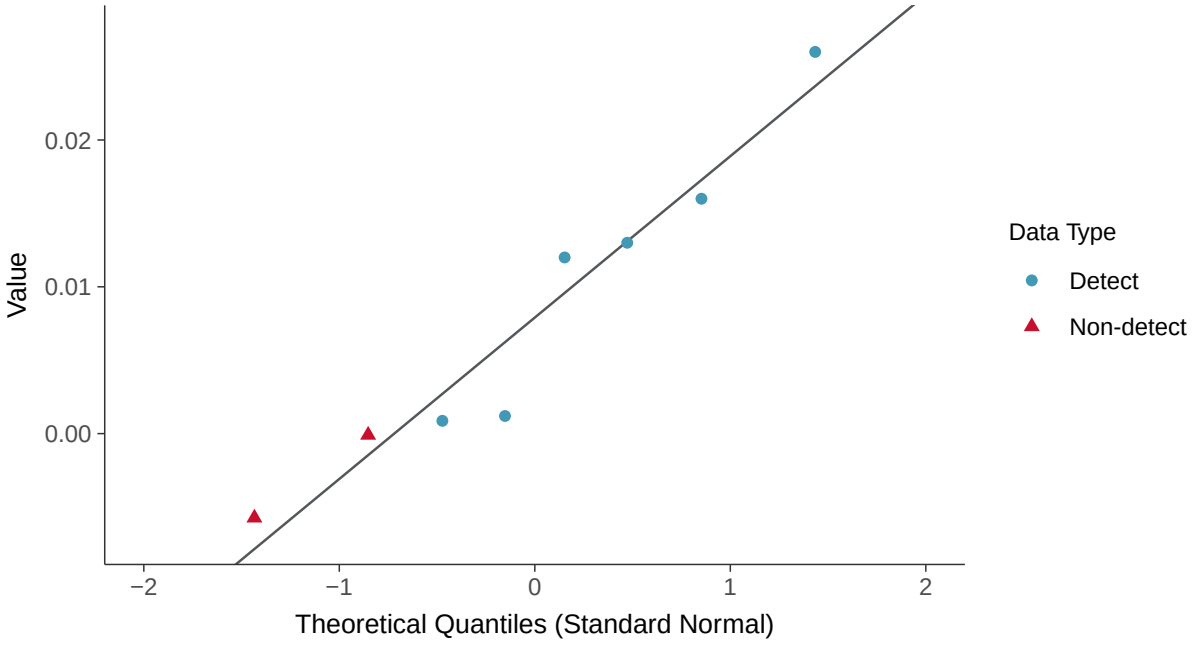
Boxplot by Season

Zinc, MW-16 (mg/L)



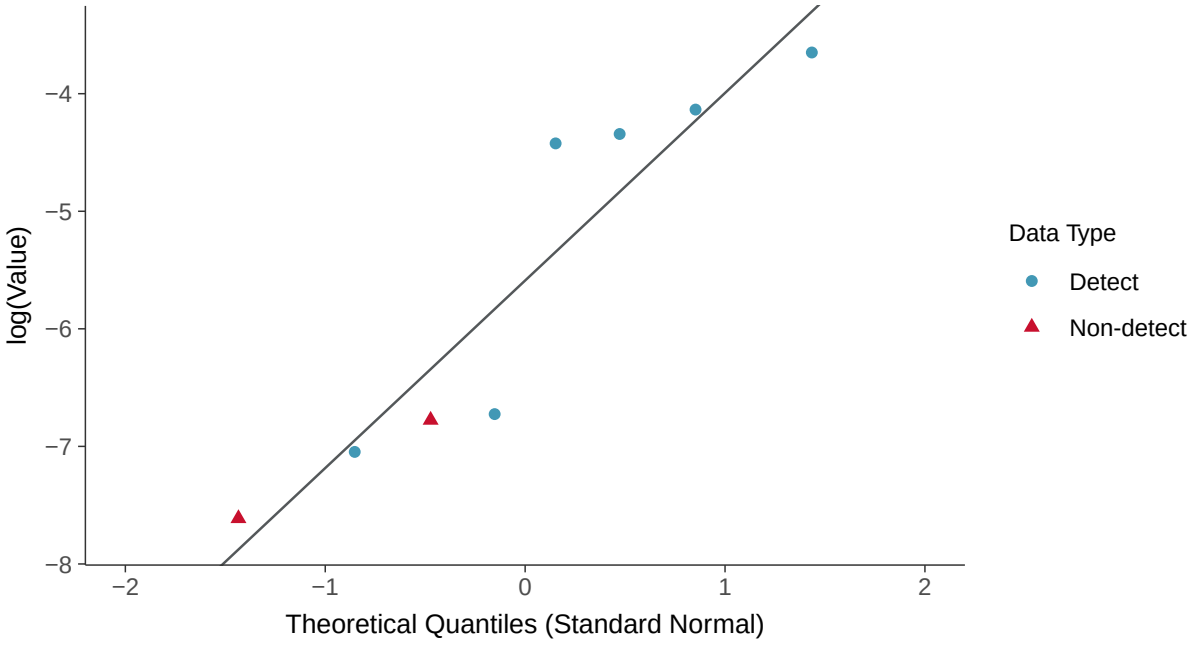
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-16 (mg/L)



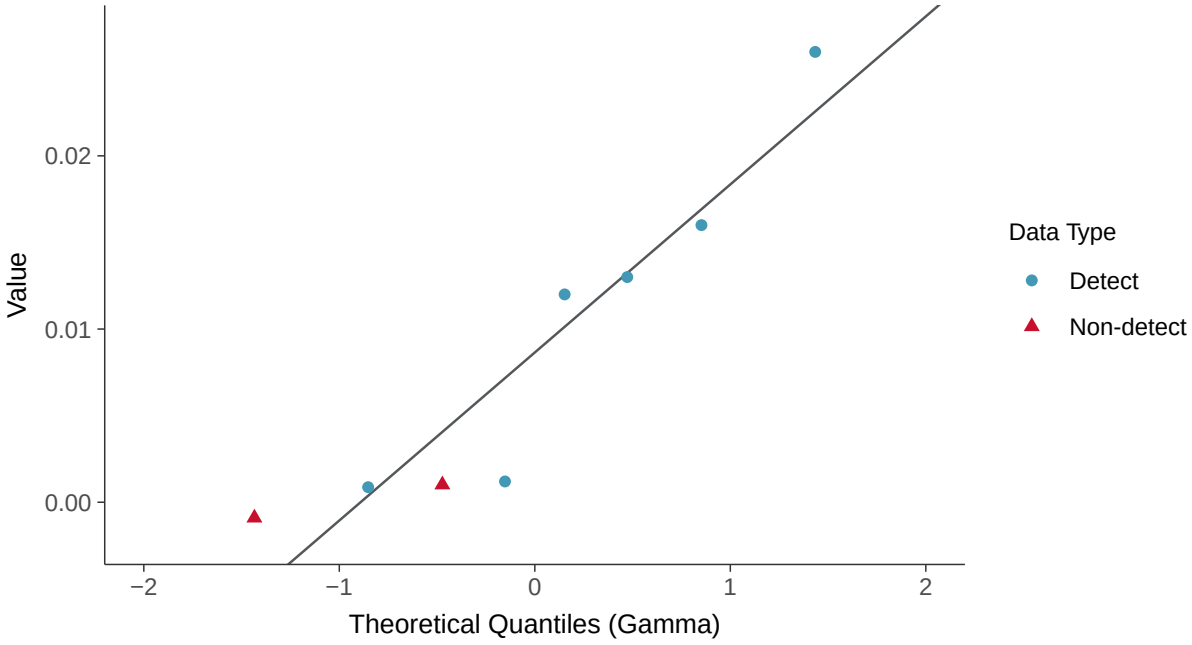
Lognormal Q-Q plot using ROS Imputed Estimates

Zinc, MW-16 (mg/L)



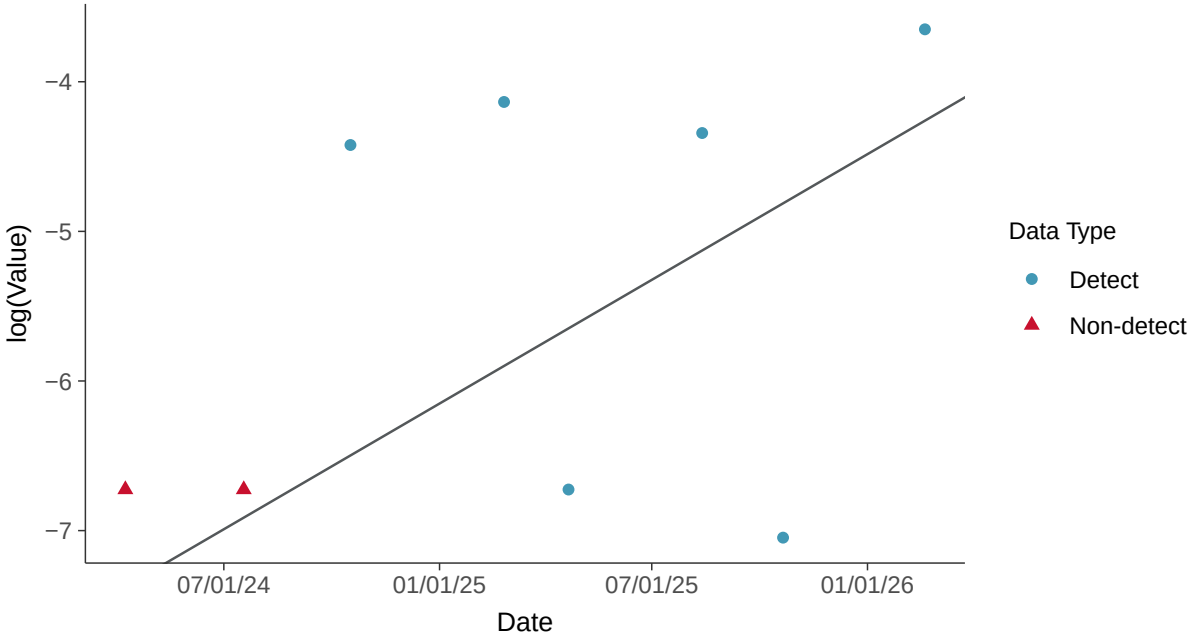
Gamma Q-Q plot using ROS Imputed Estimates

Zinc, MW-16 (mg/L)



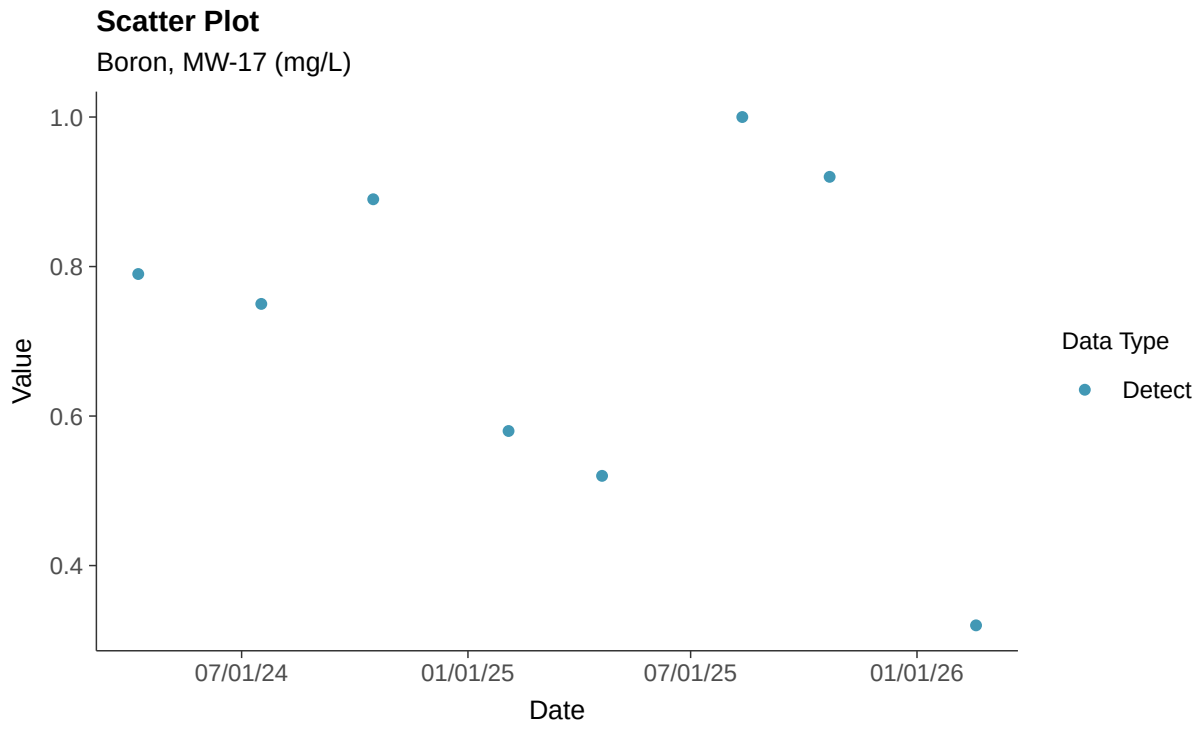
Trend Regression: Lognormal MLE

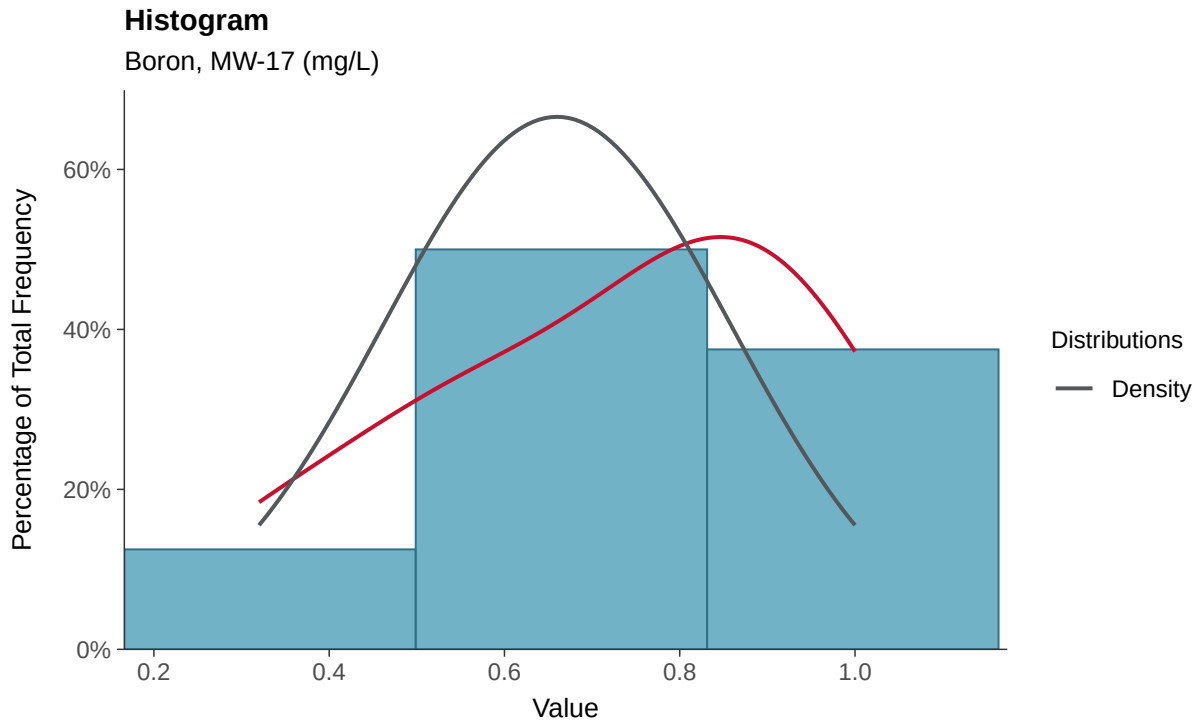
Zinc, MW-16 (mg/L)



Appendix III: Boron, MW-17

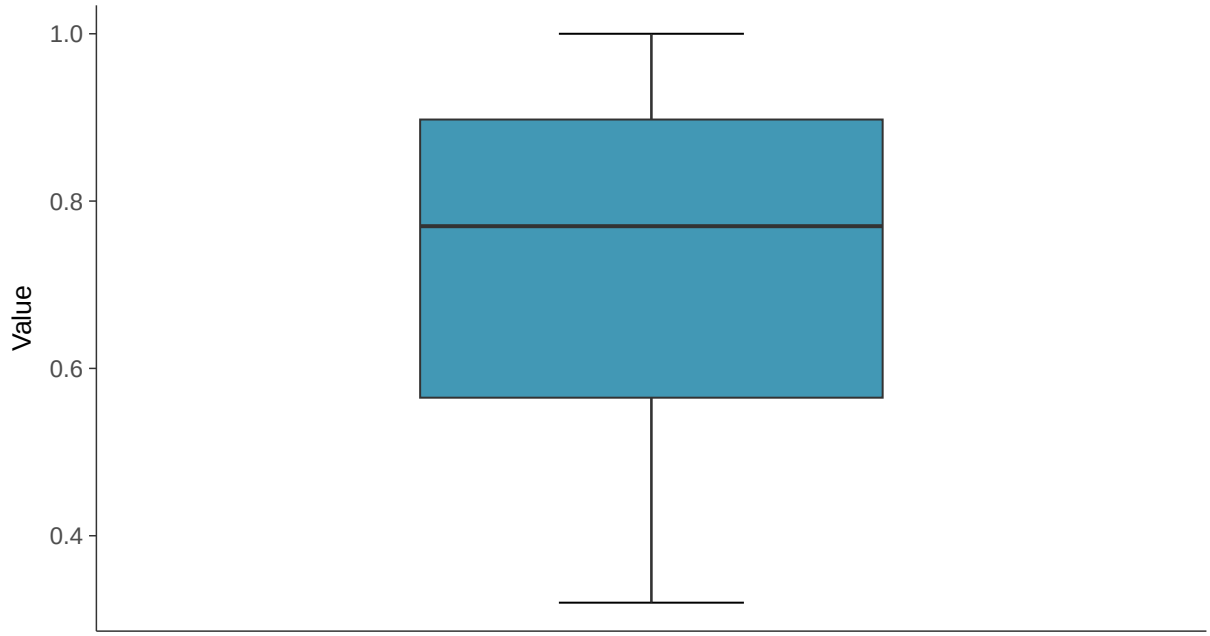
ID: 27_1_3_105





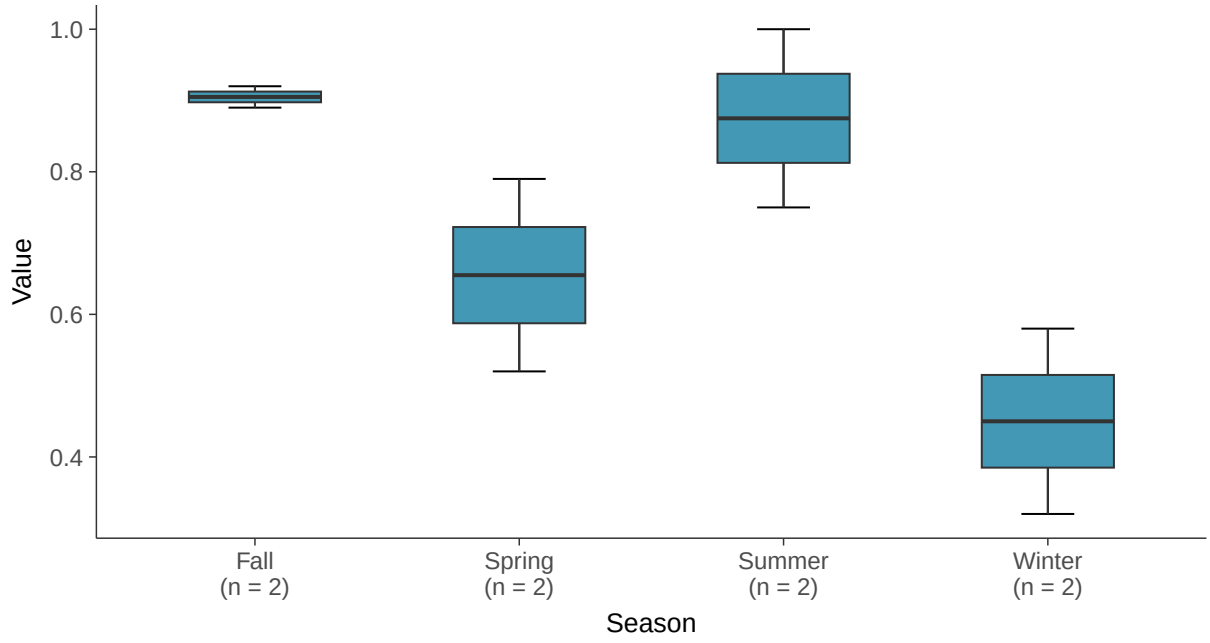
Boxplot

Boron, MW-17 (mg/L)



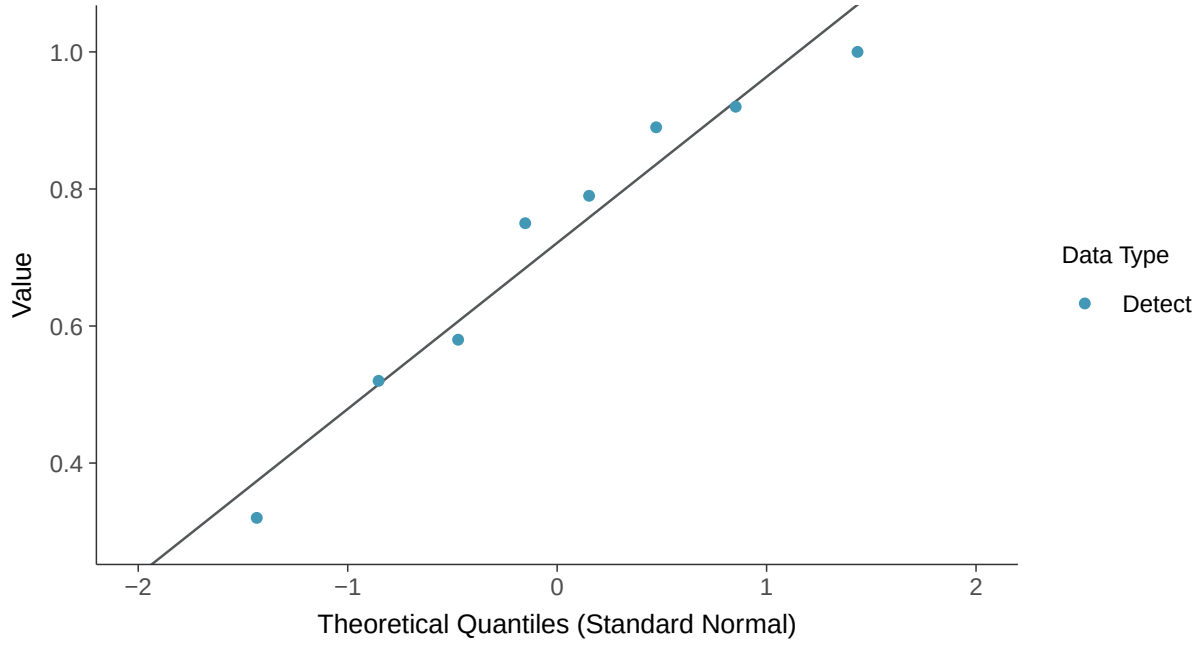
Boxplot by Season

Boron, MW-17 (mg/L)



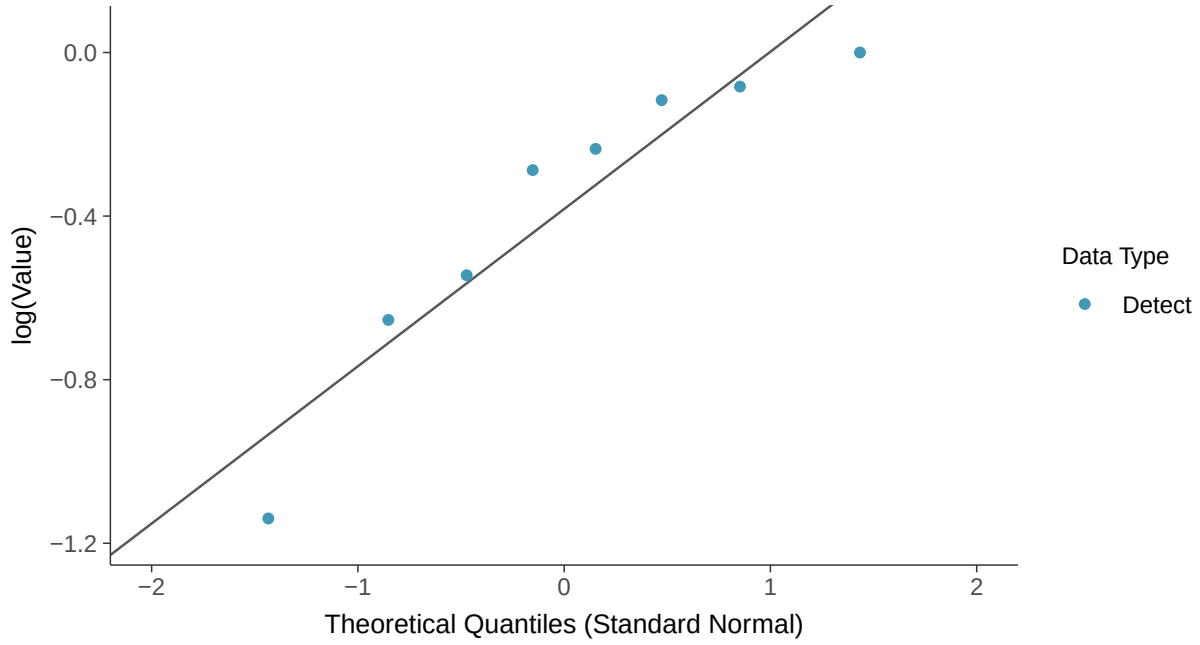
Normal Q-Q plot

Boron, MW-17 (mg/L)



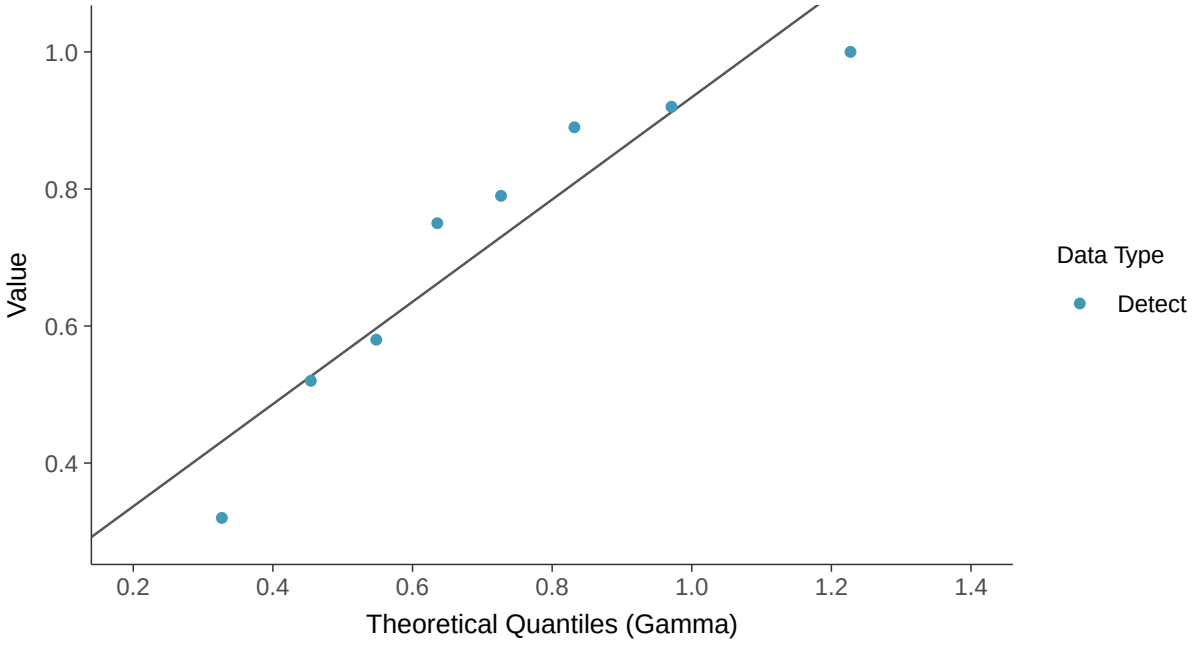
Lognormal Q-Q plot

Boron, MW-17 (mg/L)



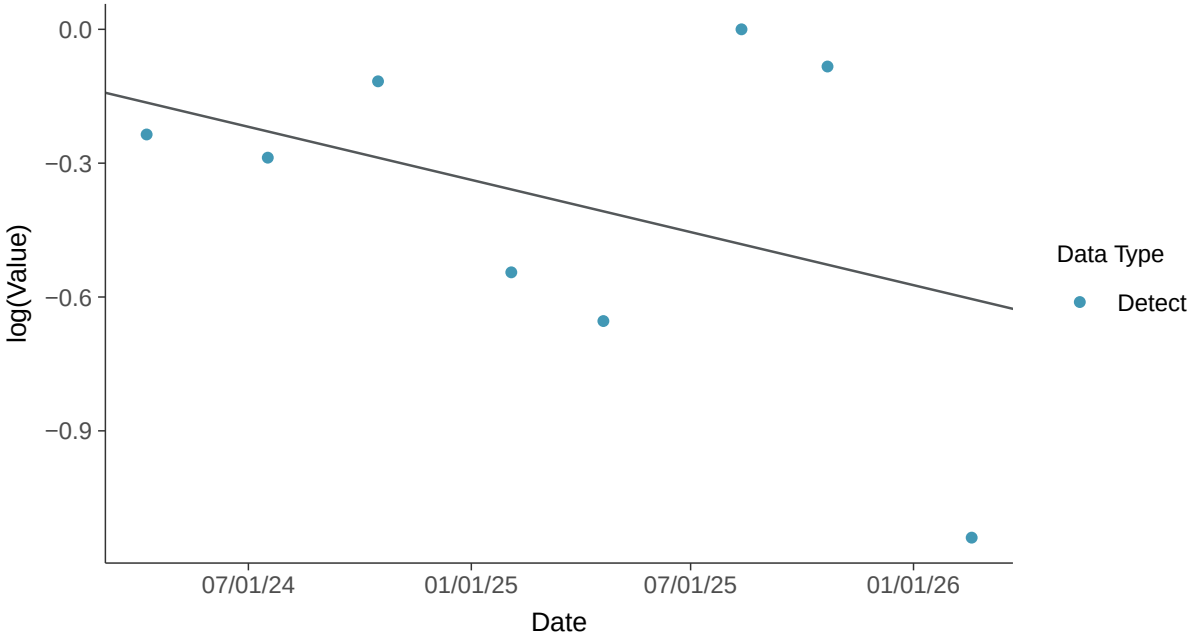
Gamma Q-Q plot

Boron, MW-17 (mg/L)



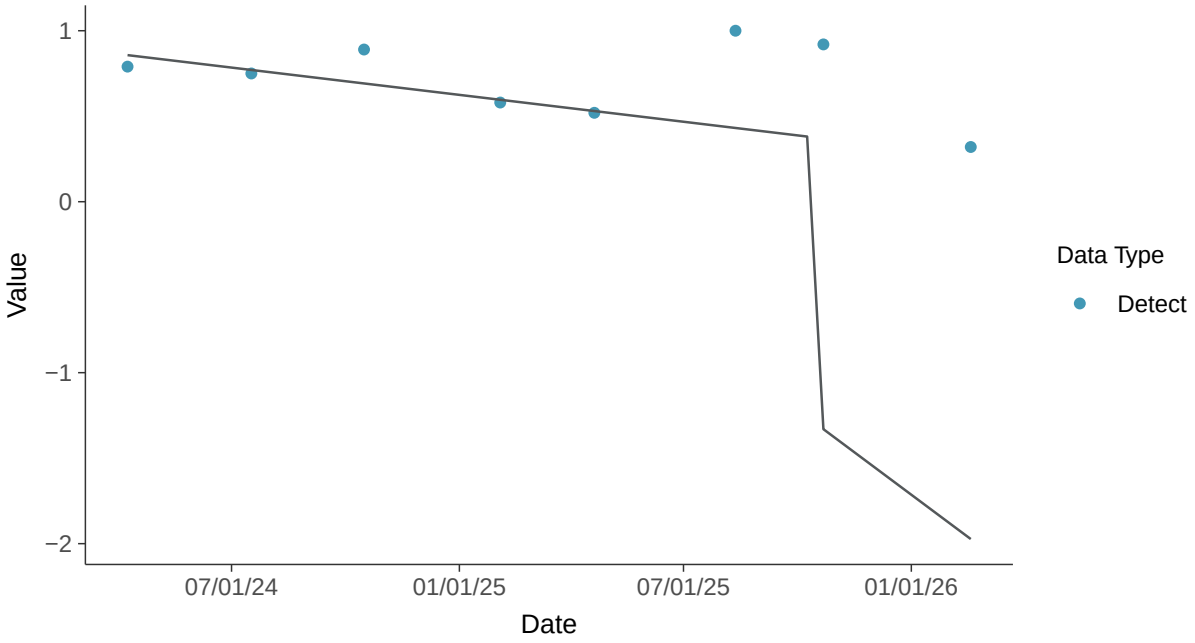
Trend Regression: Lognormal MLE

Boron, MW-17 (mg/L)



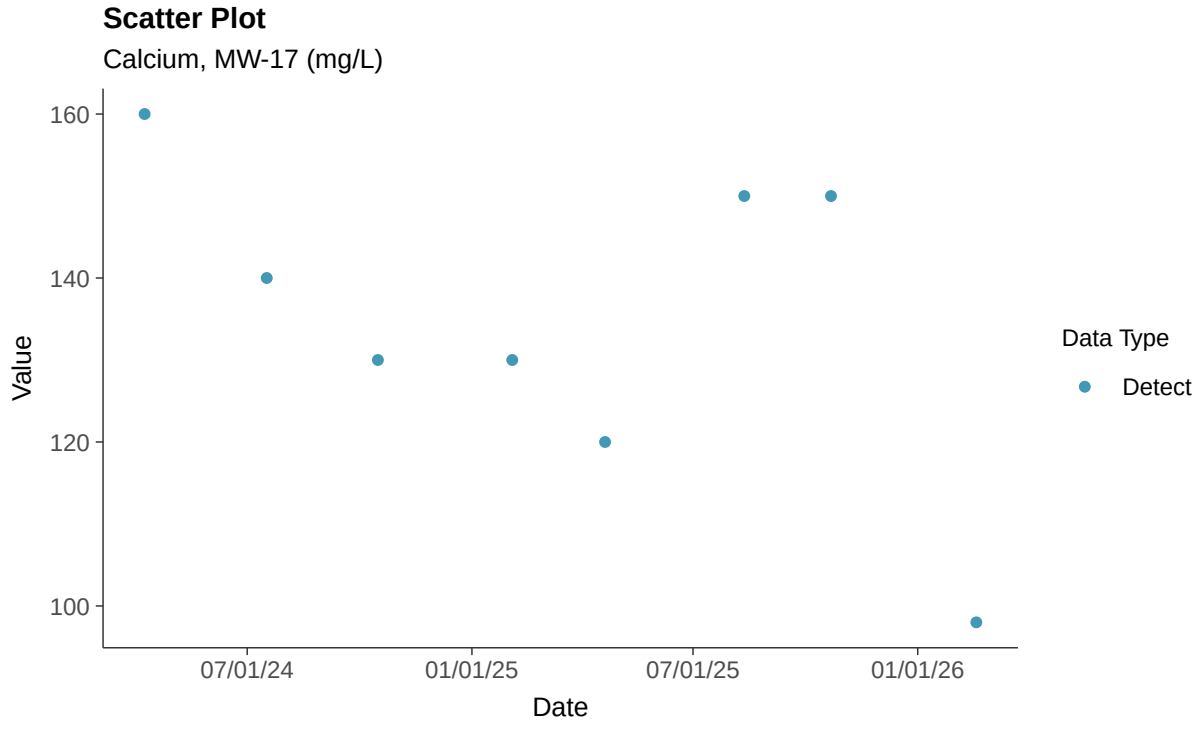
Trend Regression: Piecewise Linear-Linear-Linear

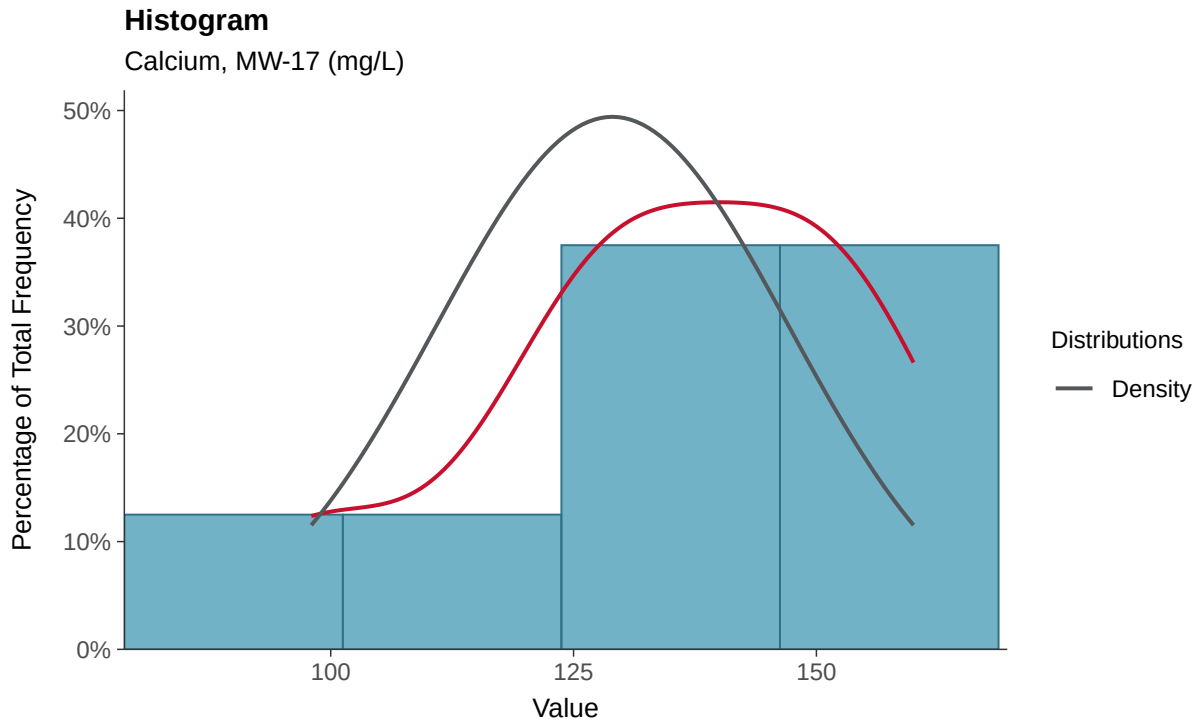
Boron, MW-17 (mg/L)



Appendix III: Calcium, MW-17

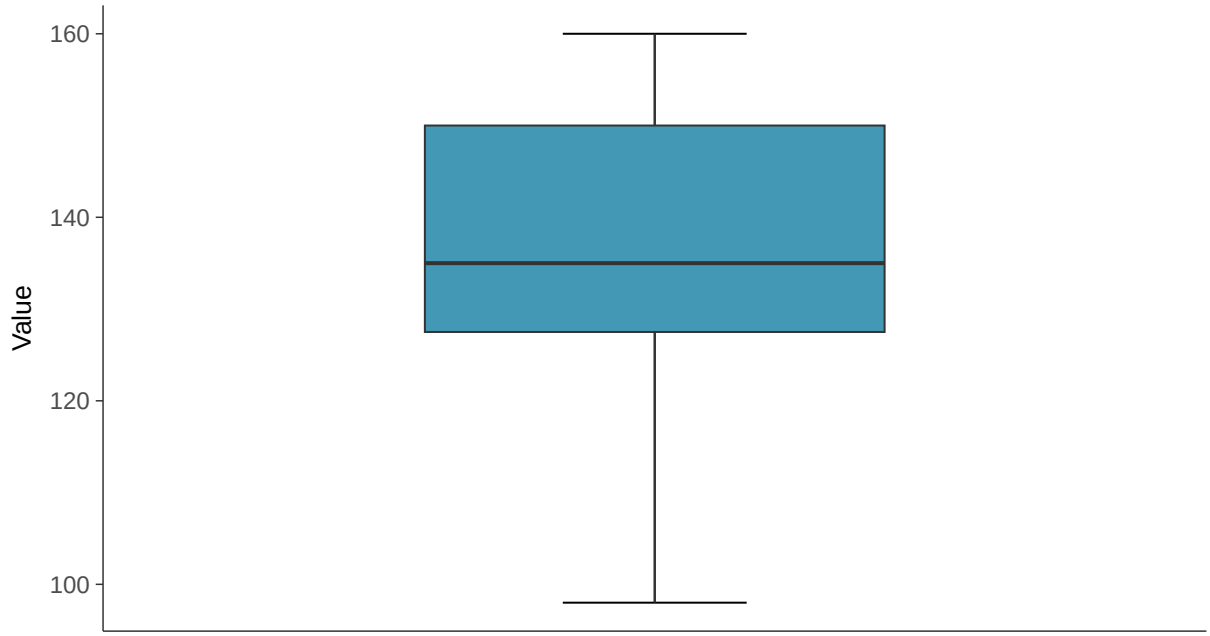
ID: 27_1_3_107





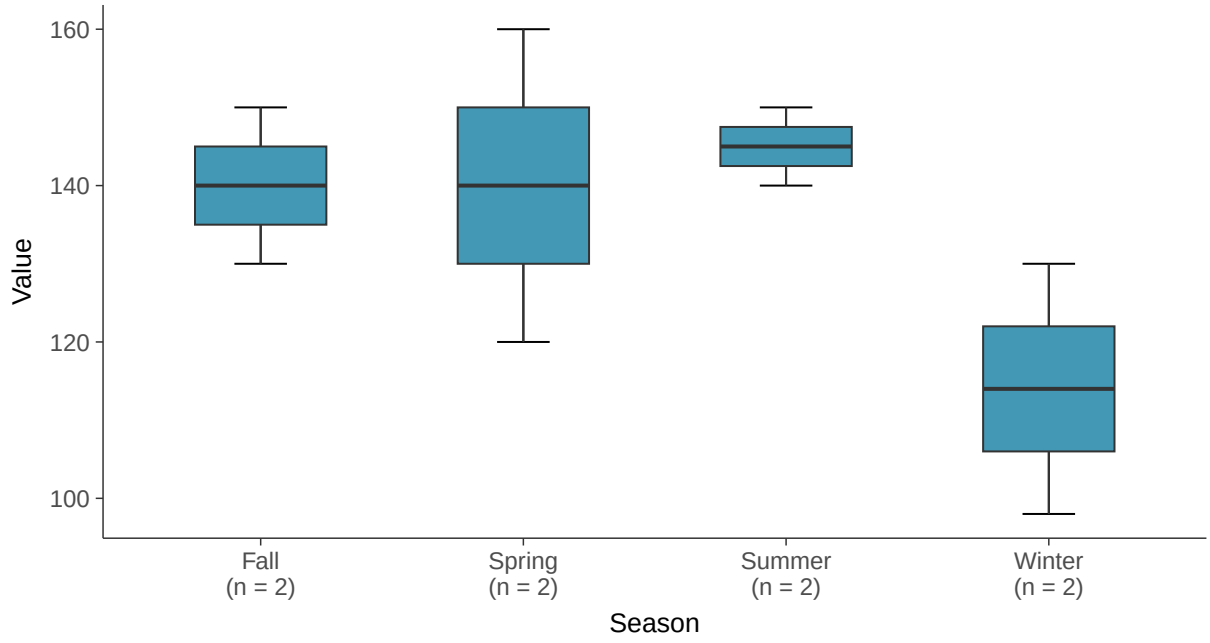
Boxplot

Calcium, MW-17 (mg/L)



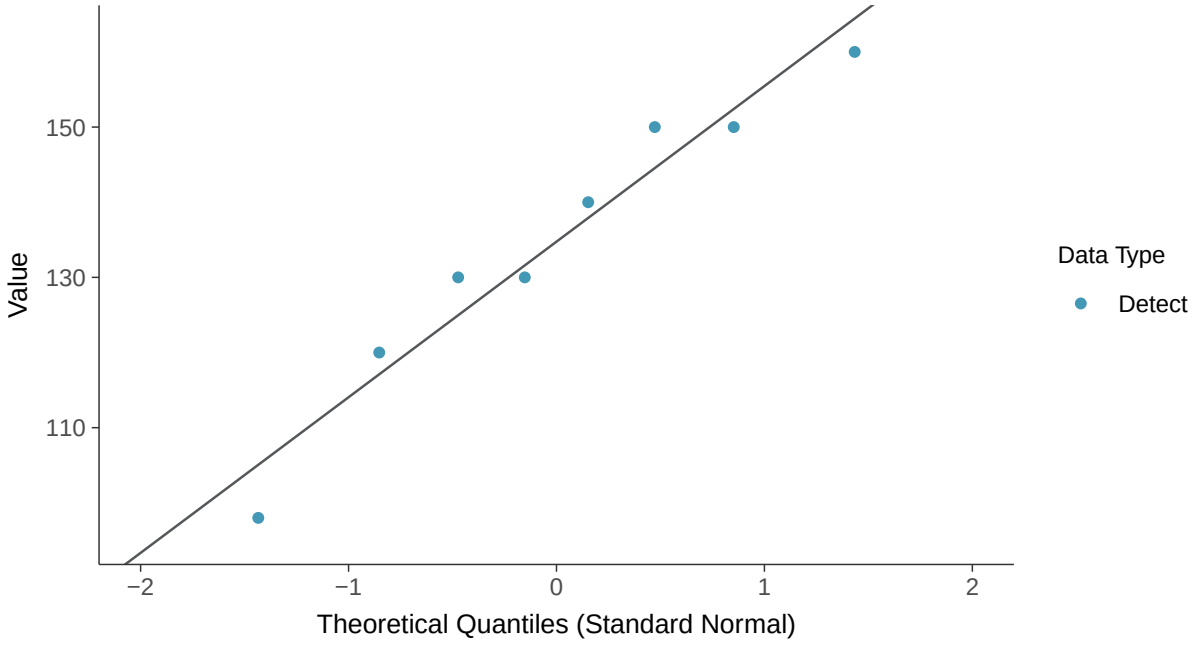
Boxplot by Season

Calcium, MW-17 (mg/L)



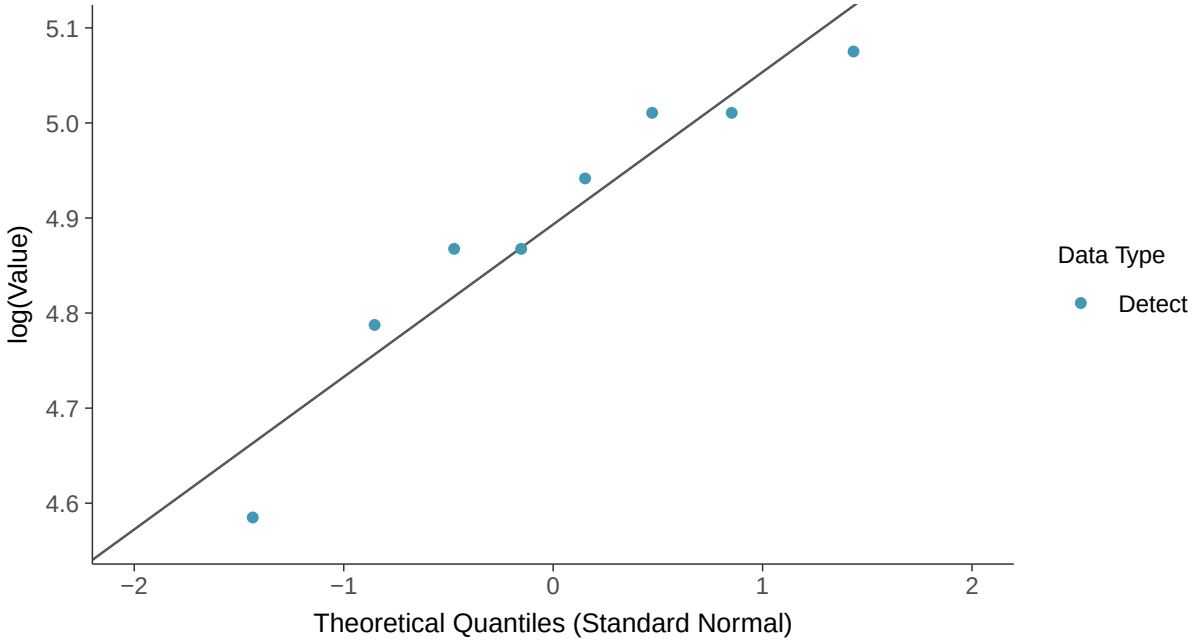
Normal Q-Q plot

Calcium, MW-17 (mg/L)



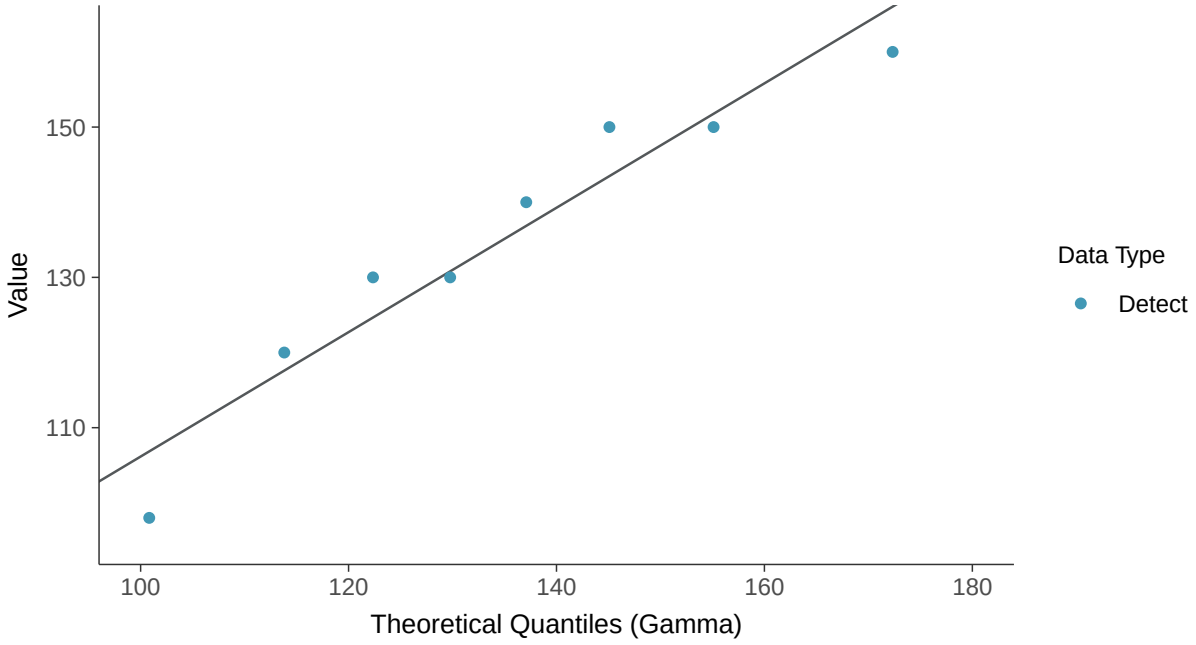
Lognormal Q-Q plot

Calcium, MW-17 (mg/L)



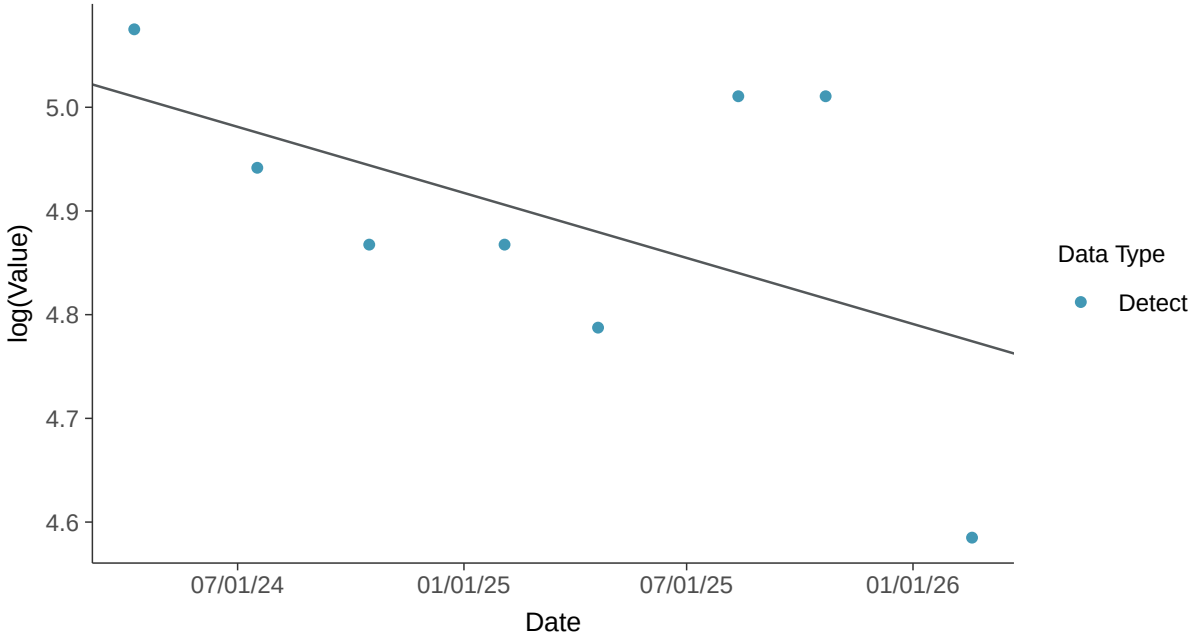
Gamma Q-Q plot

Calcium, MW-17 (mg/L)



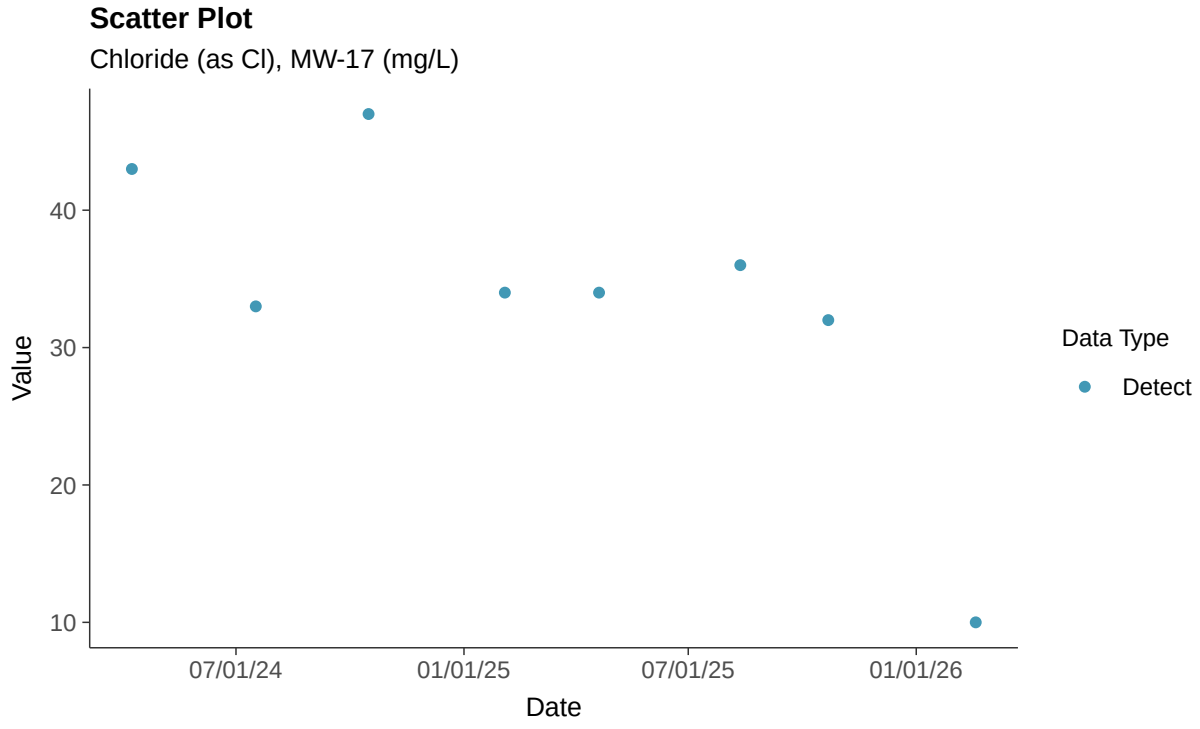
Trend Regression: Lognormal MLE

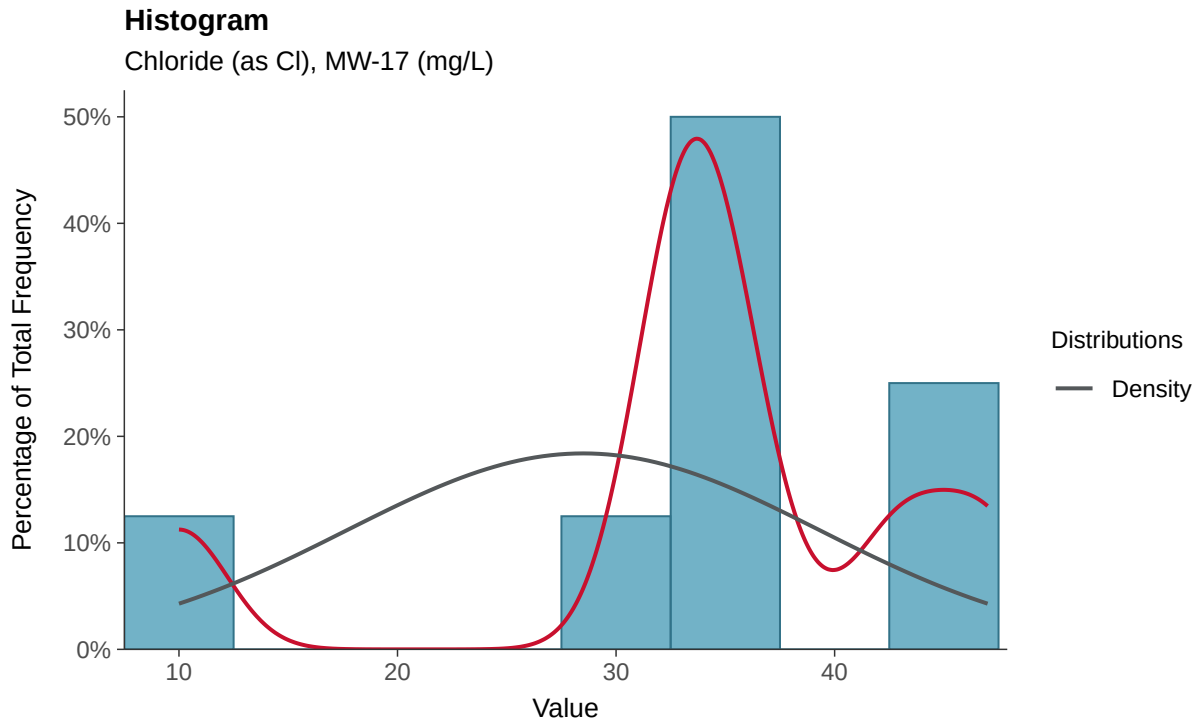
Calcium, MW-17 (mg/L)



Appendix III: Chloride (as Cl), MW-17

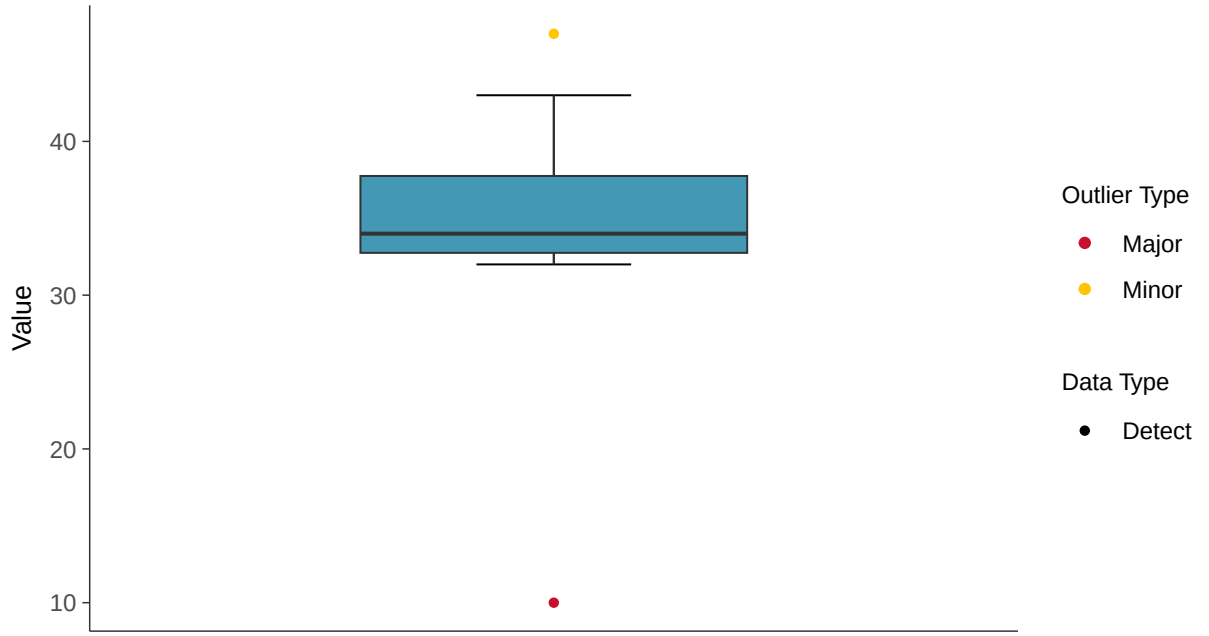
ID: 27_1_3_108





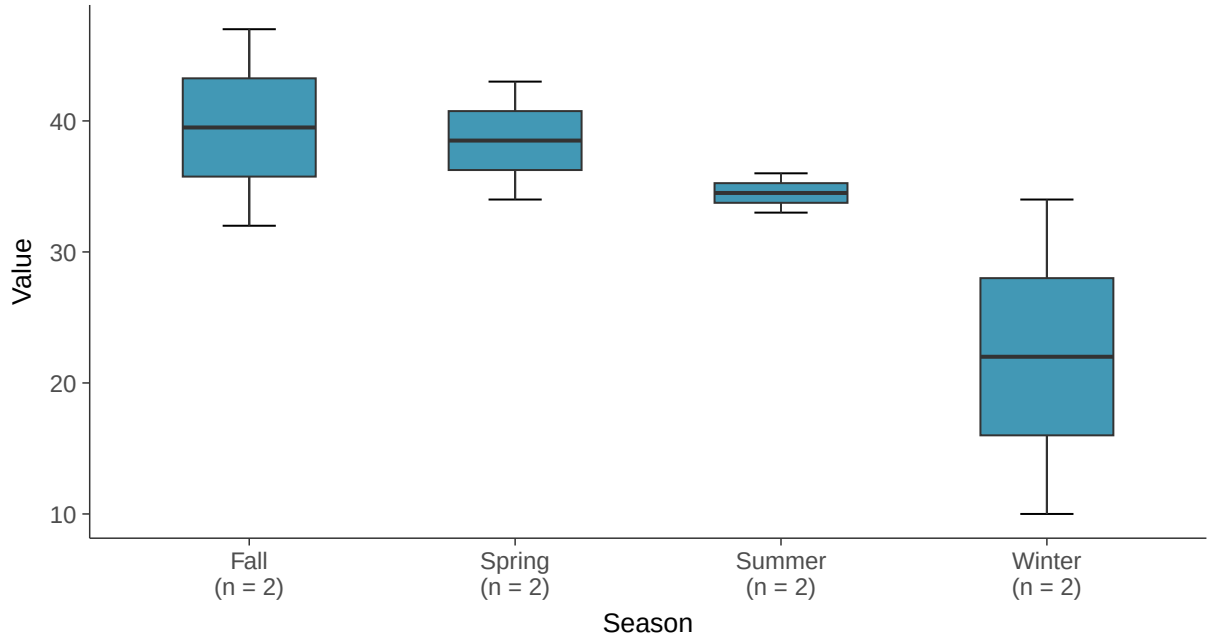
Boxplot

Chloride (as Cl), MW-17 (mg/L)



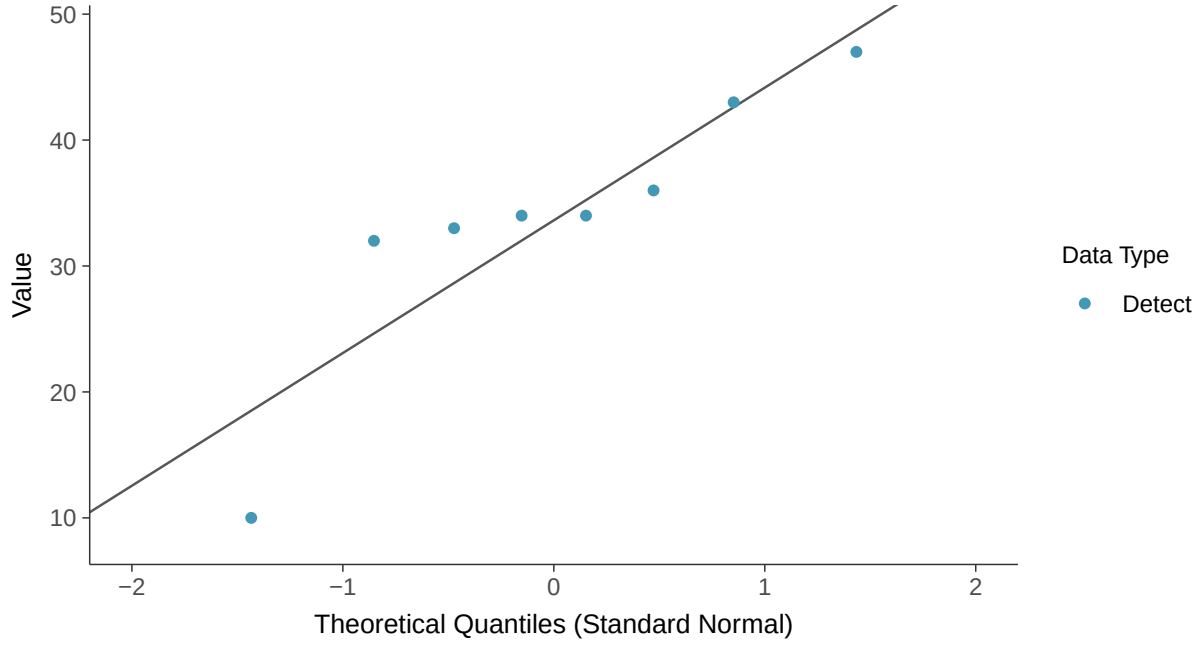
Boxplot by Season

Chloride (as Cl), MW-17 (mg/L)



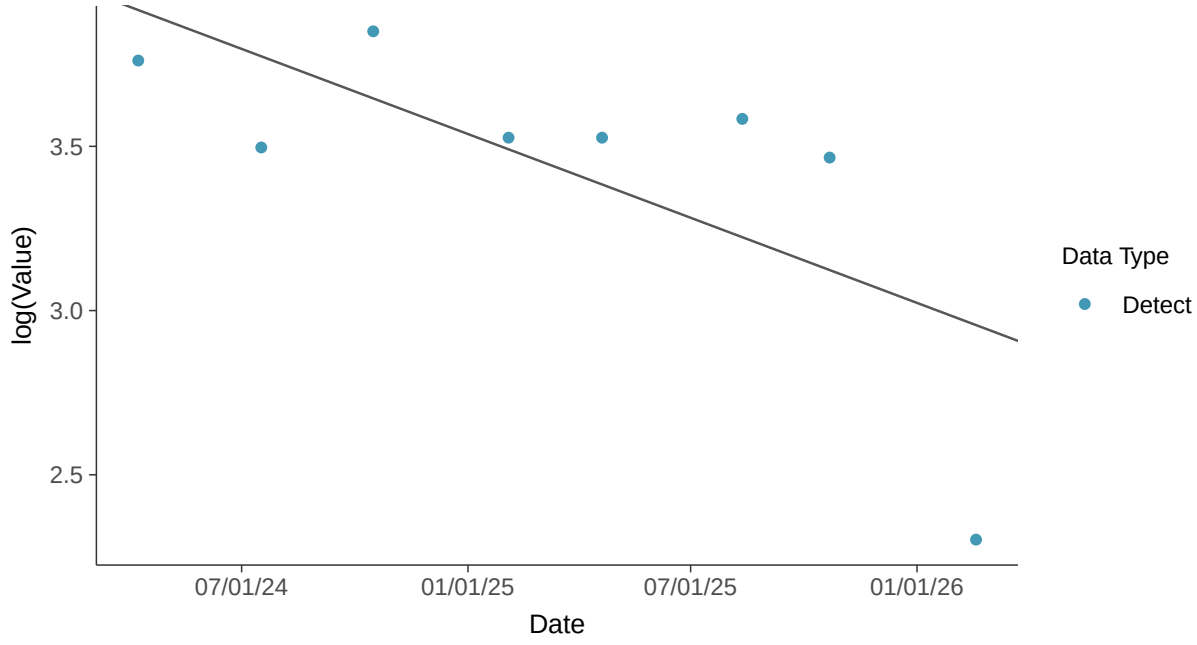
Normal Q-Q plot

Chloride (as Cl), MW-17 (mg/L)



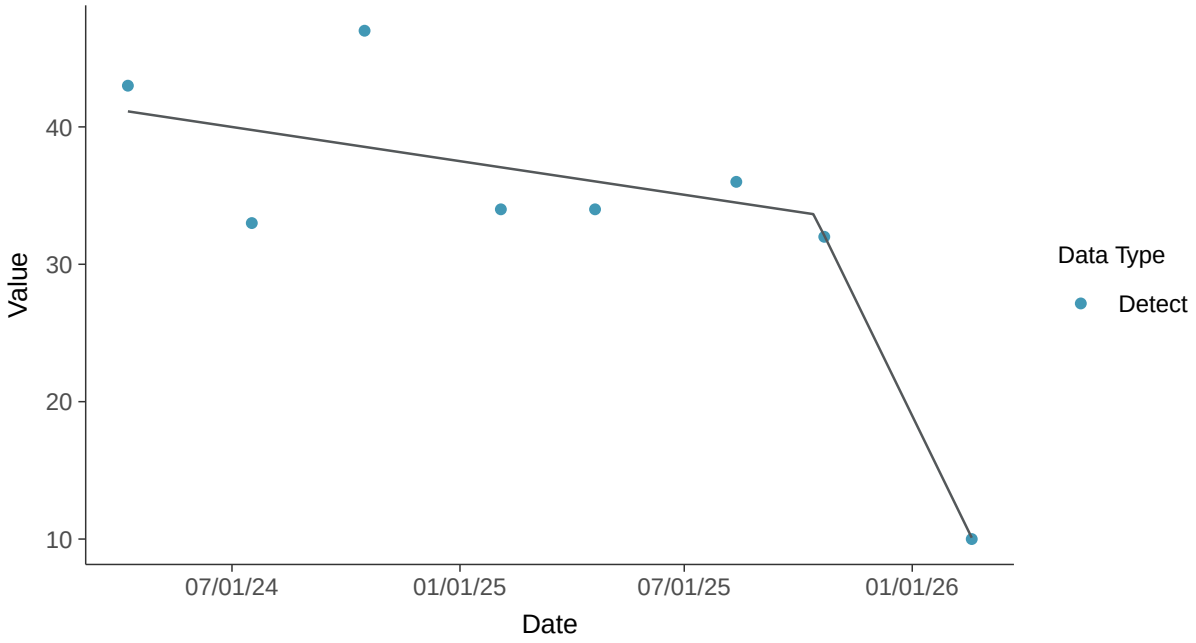
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-17 (mg/L)



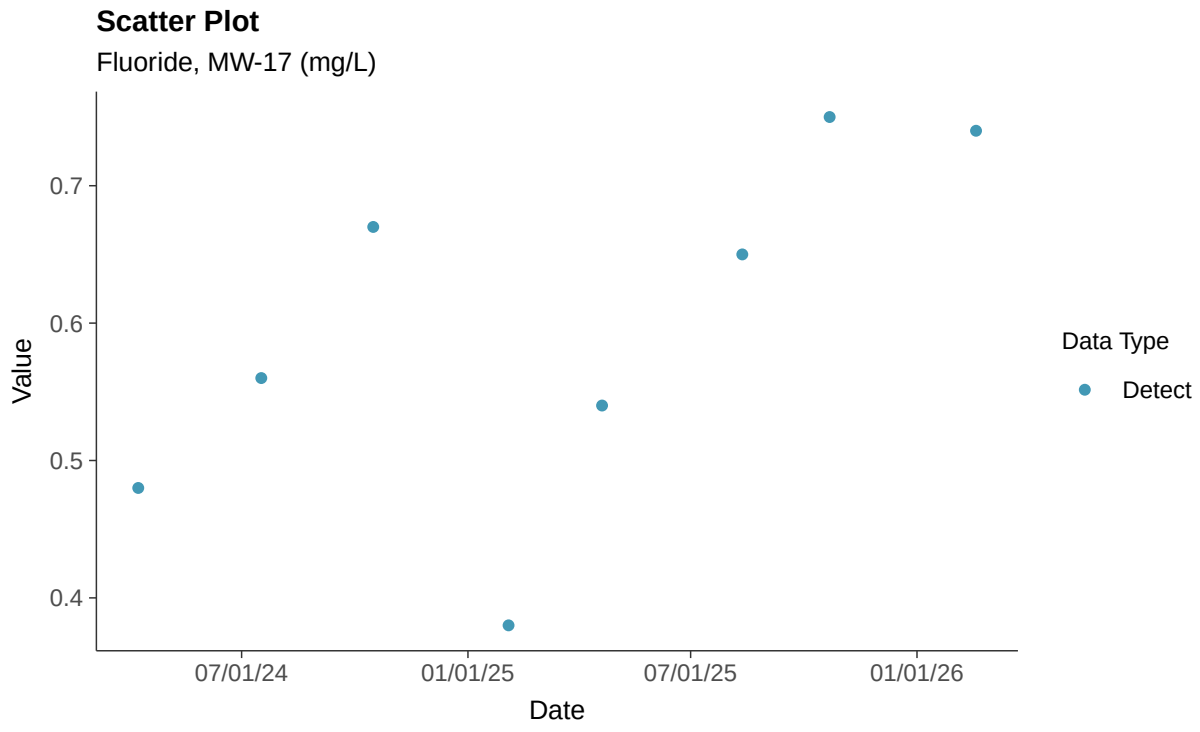
Trend Regression: Piecewise Linear-Linear

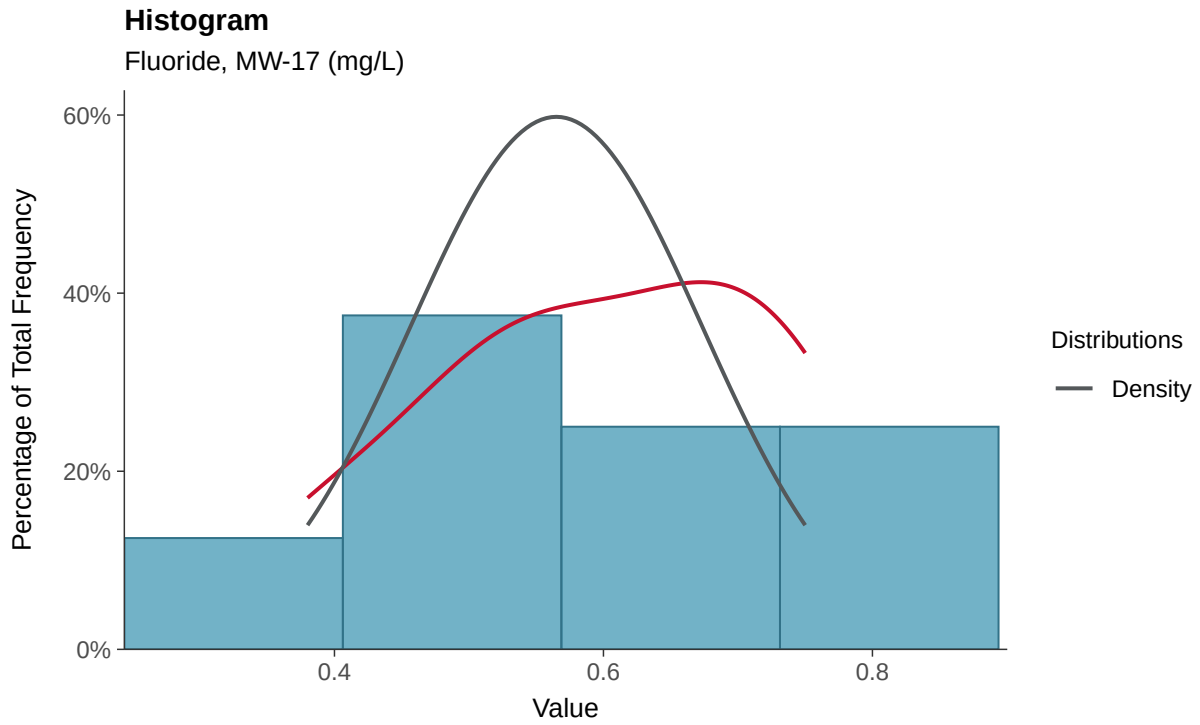
Chloride (as Cl), MW-17 (mg/L)



Appendix III: Fluoride, MW-17

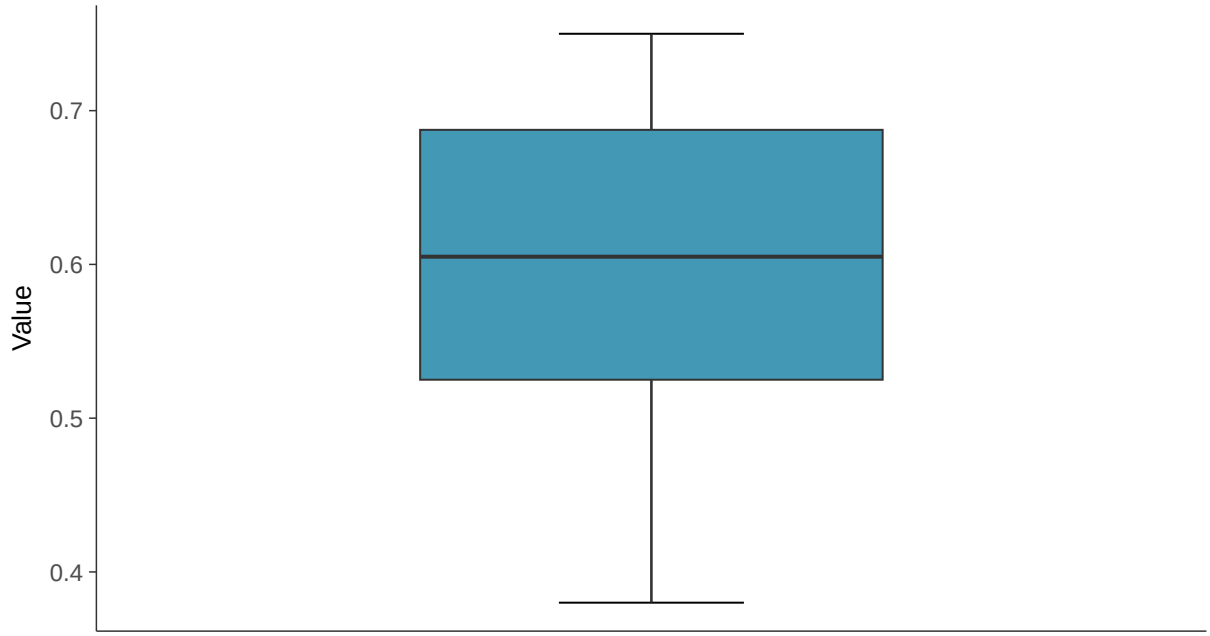
ID: 27_1_3_112





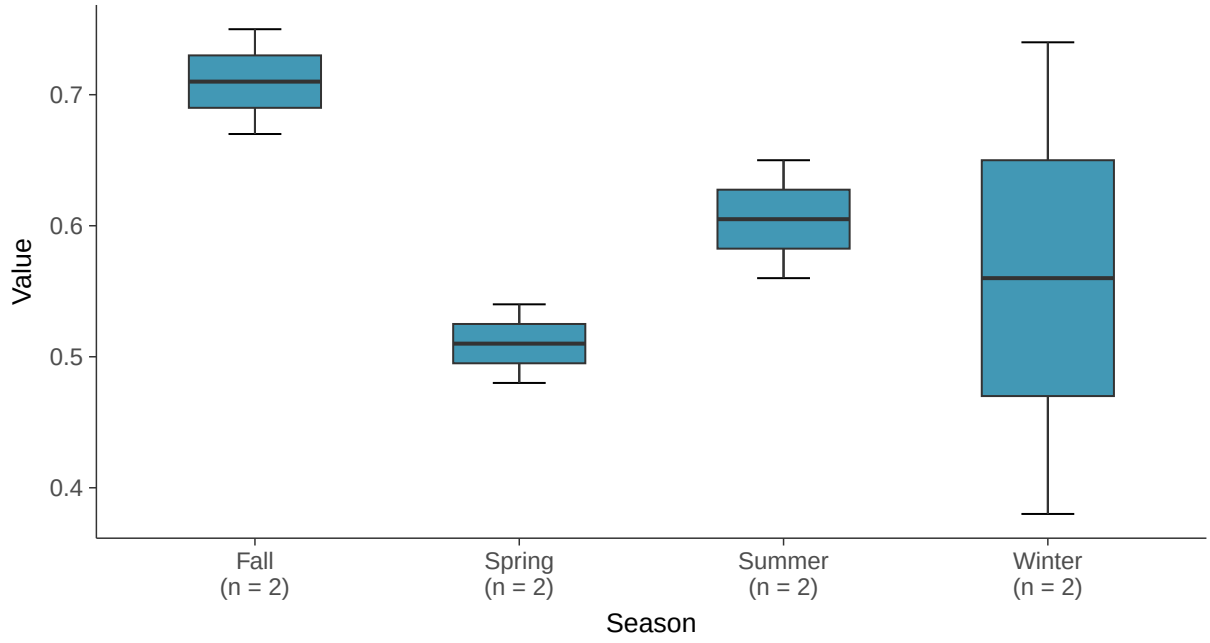
Boxplot

Fluoride, MW-17 (mg/L)



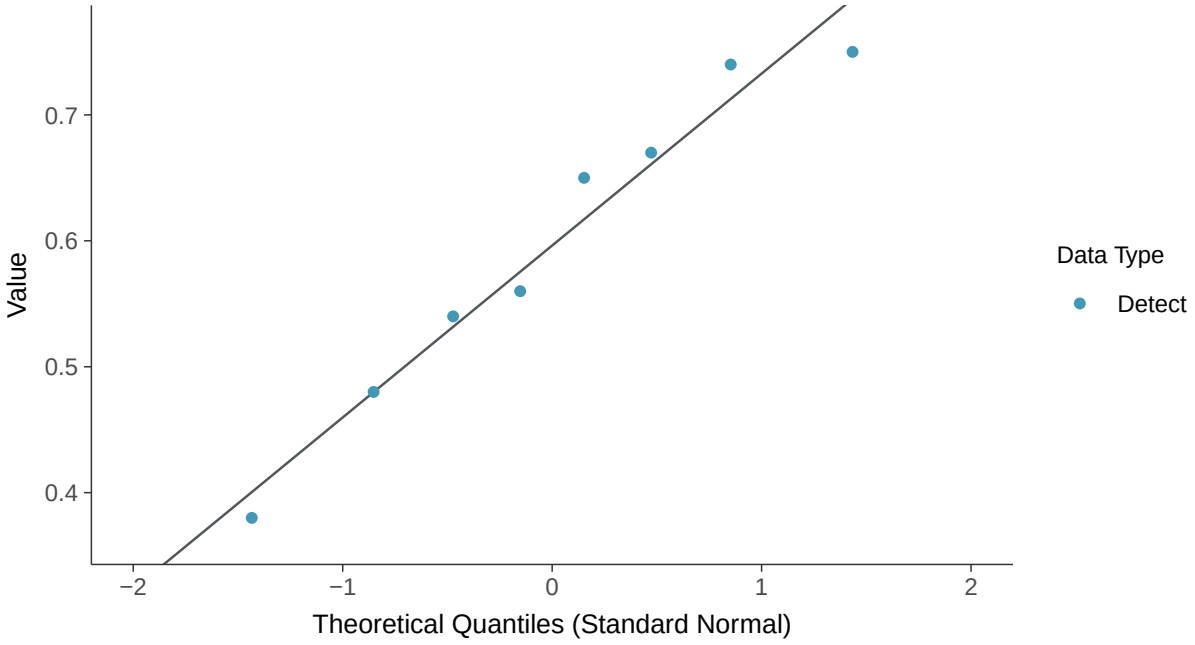
Boxplot by Season

Fluoride, MW-17 (mg/L)



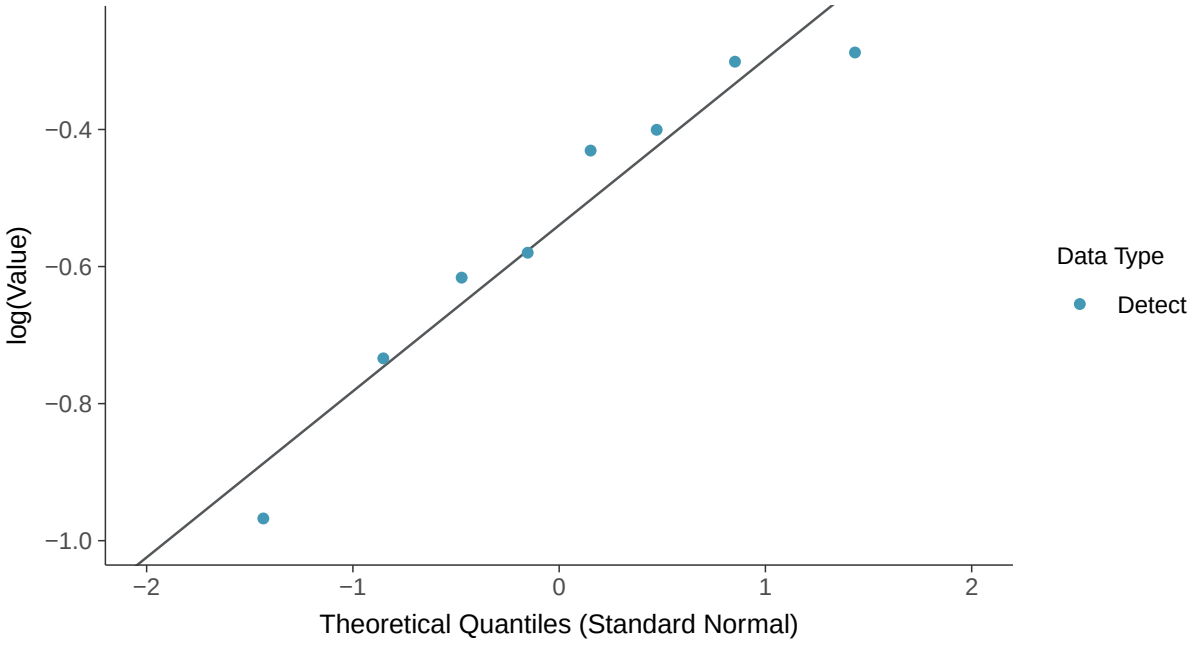
Normal Q-Q plot

Fluoride, MW-17 (mg/L)



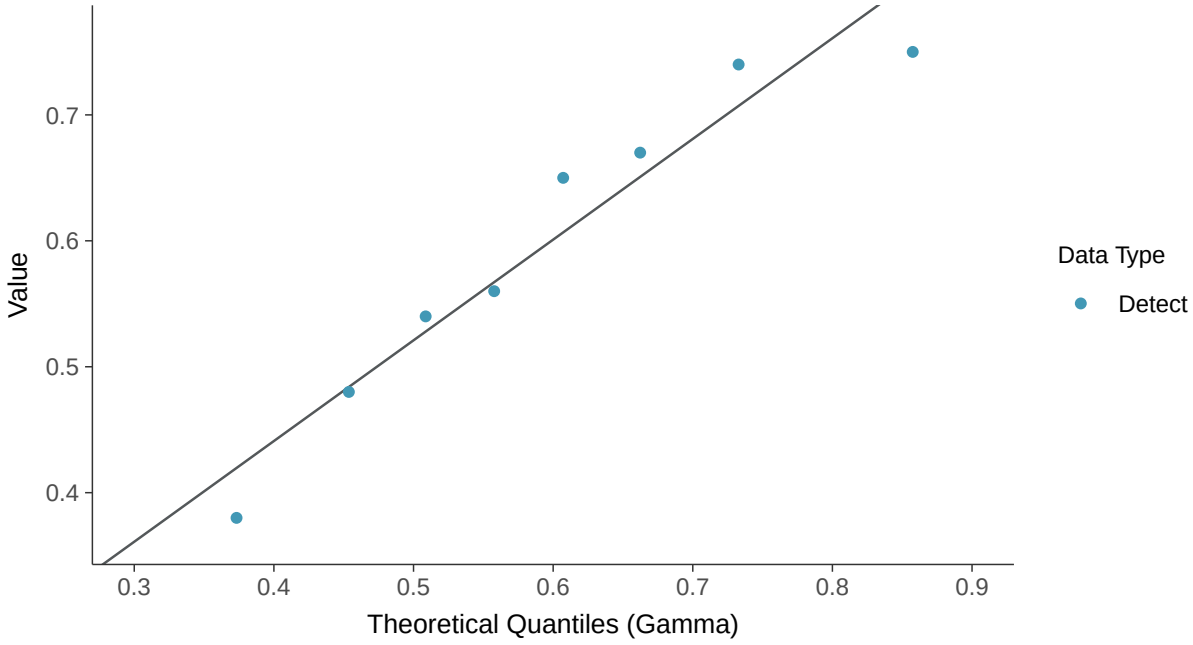
Lognormal Q-Q plot

Fluoride, MW-17 (mg/L)



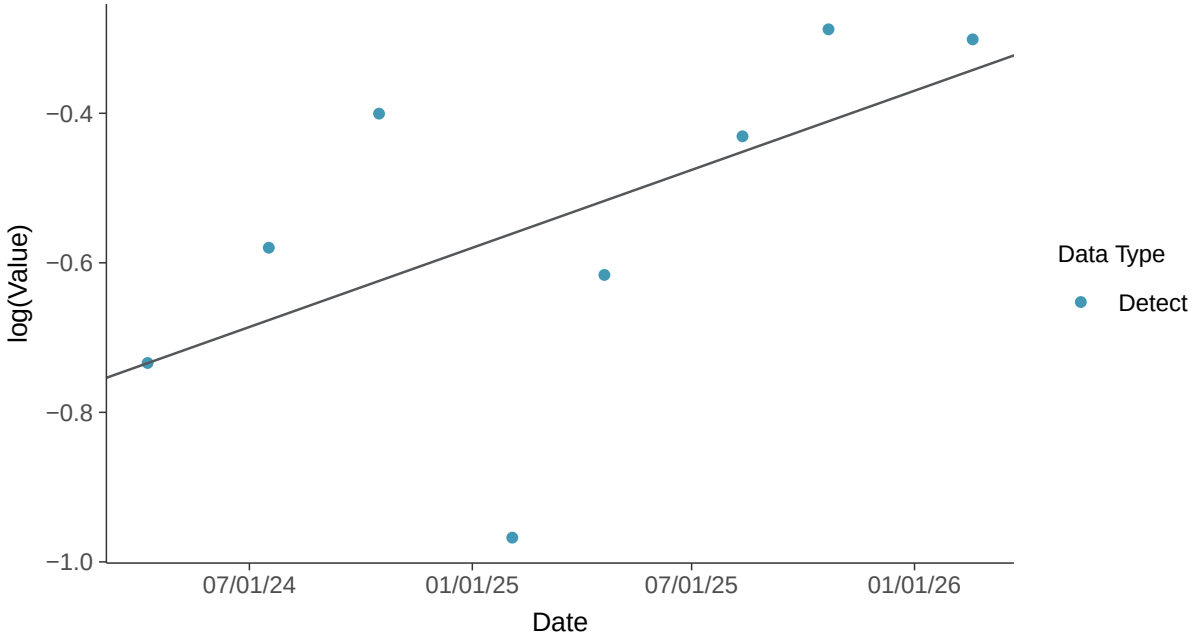
Gamma Q-Q plot

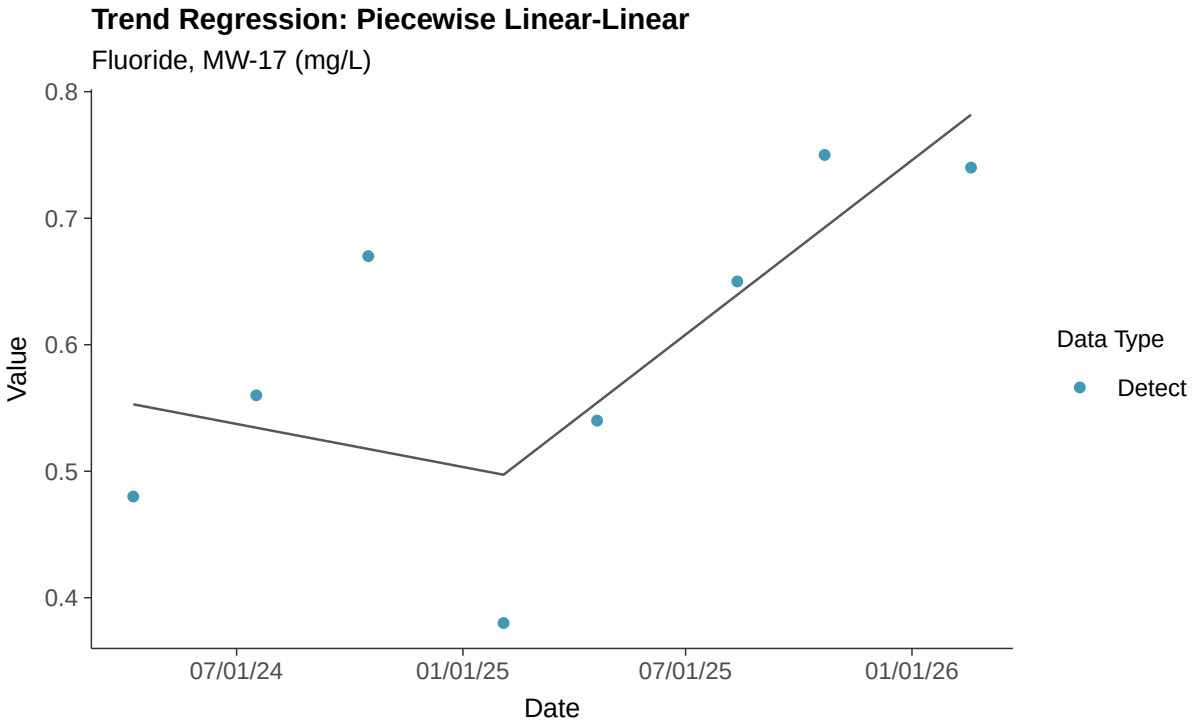
Fluoride, MW-17 (mg/L)



Trend Regression: Lognormal MLE

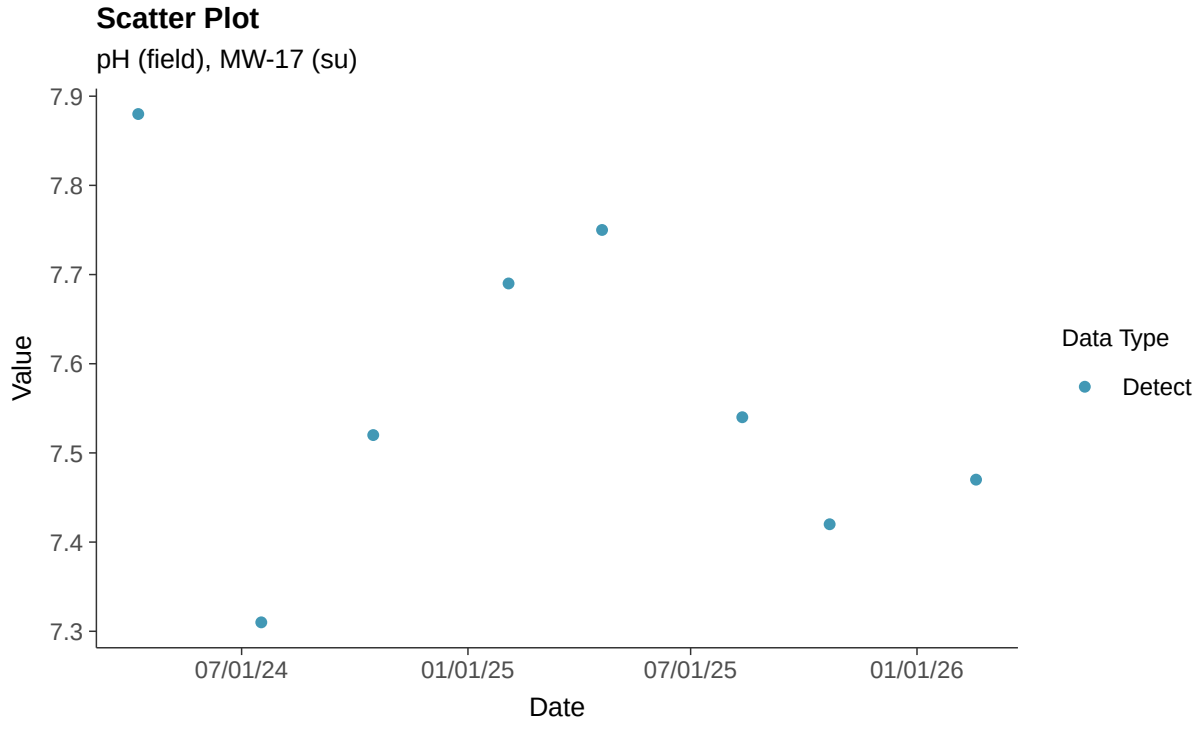
Fluoride, MW-17 (mg/L)

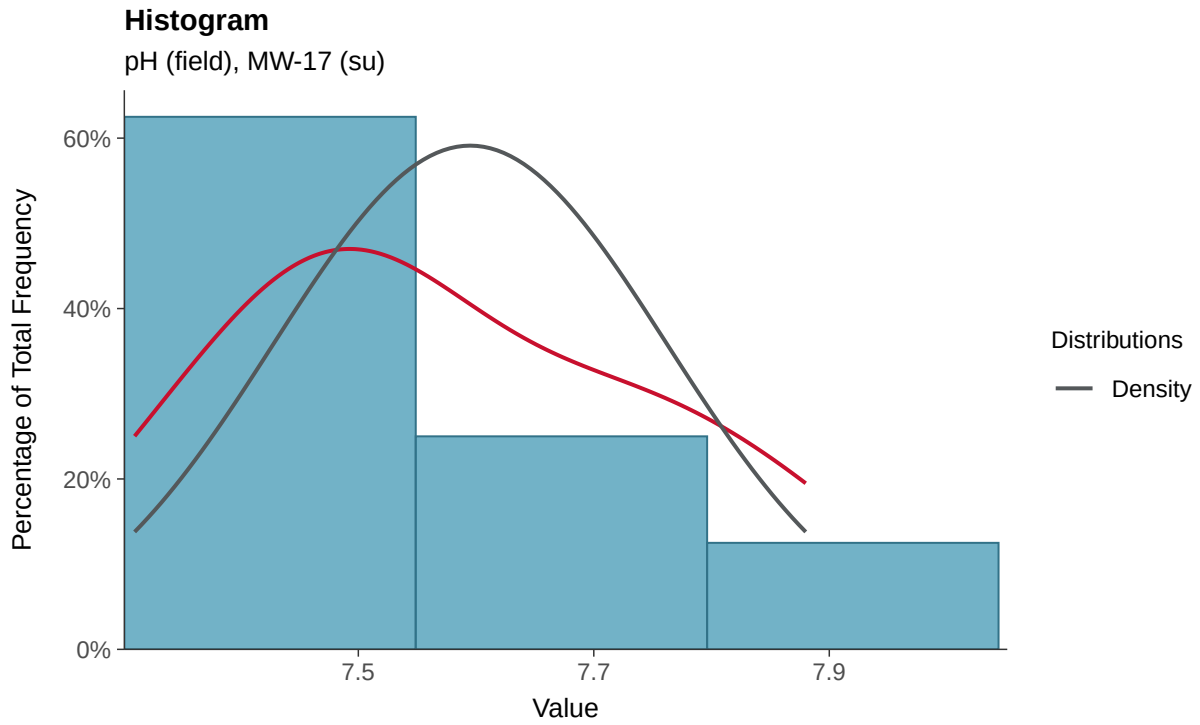



Trend Regression: Piecewise Linear-Linear
Fluoride, MW-17 (mg/L)
Value
0.8
0.7
0.6
0.5
0.4
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect

Appendix III: pH (field), MW-17

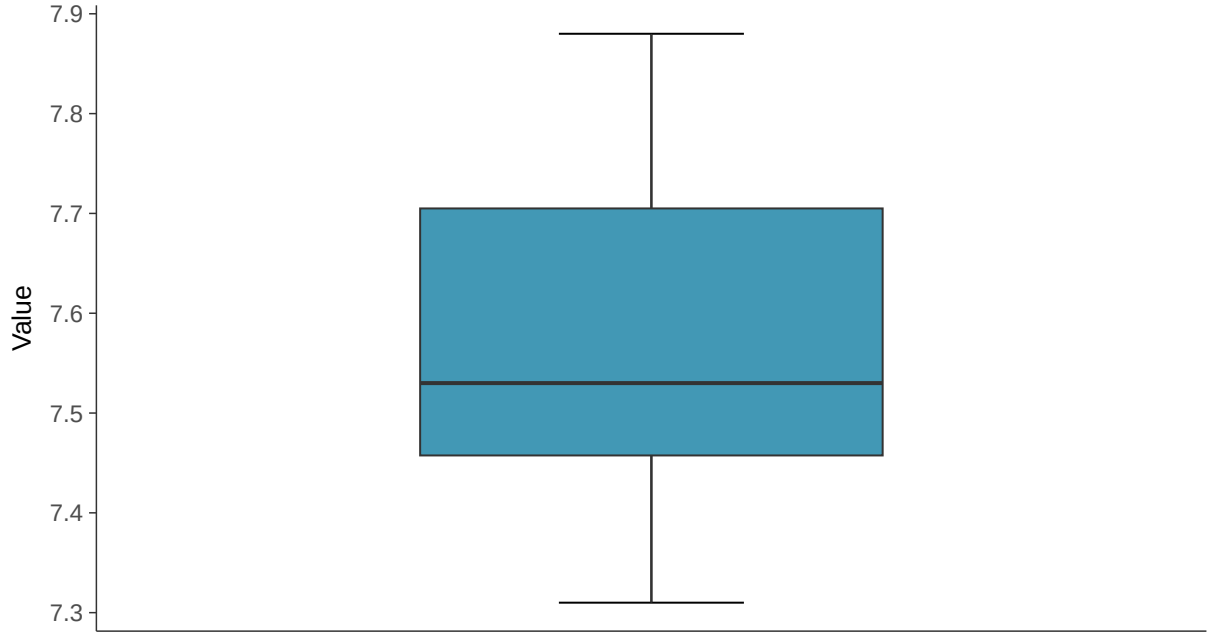
ID: 27_1_3_120





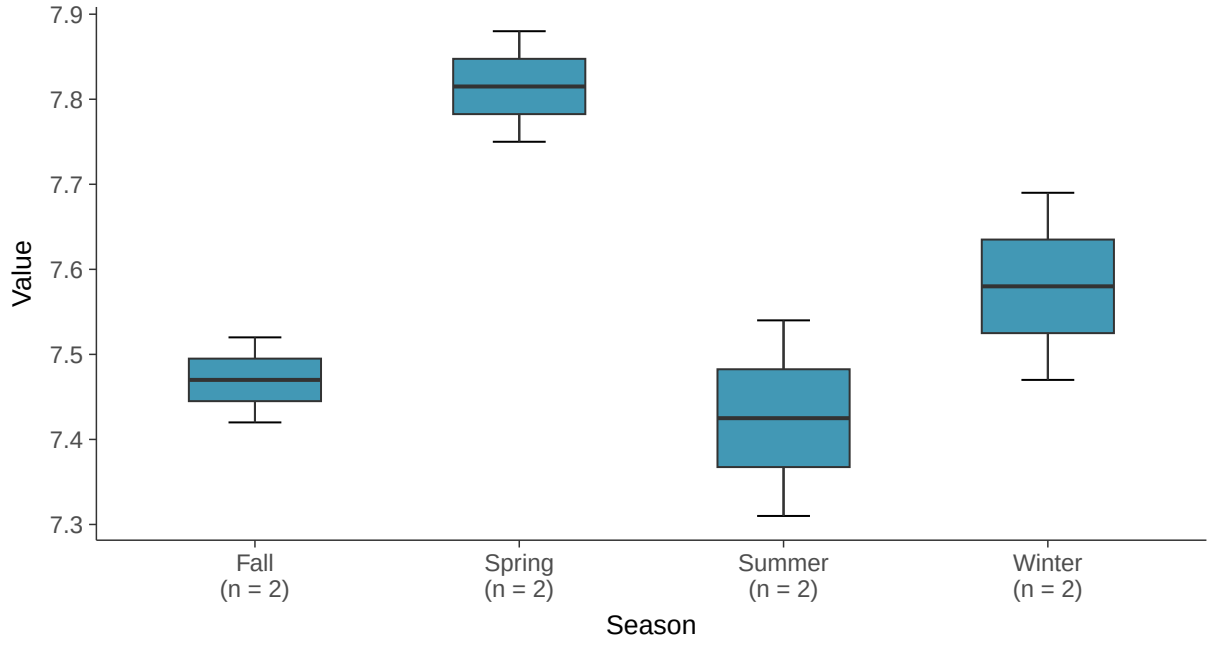
Boxplot

pH (field), MW-17 (su)



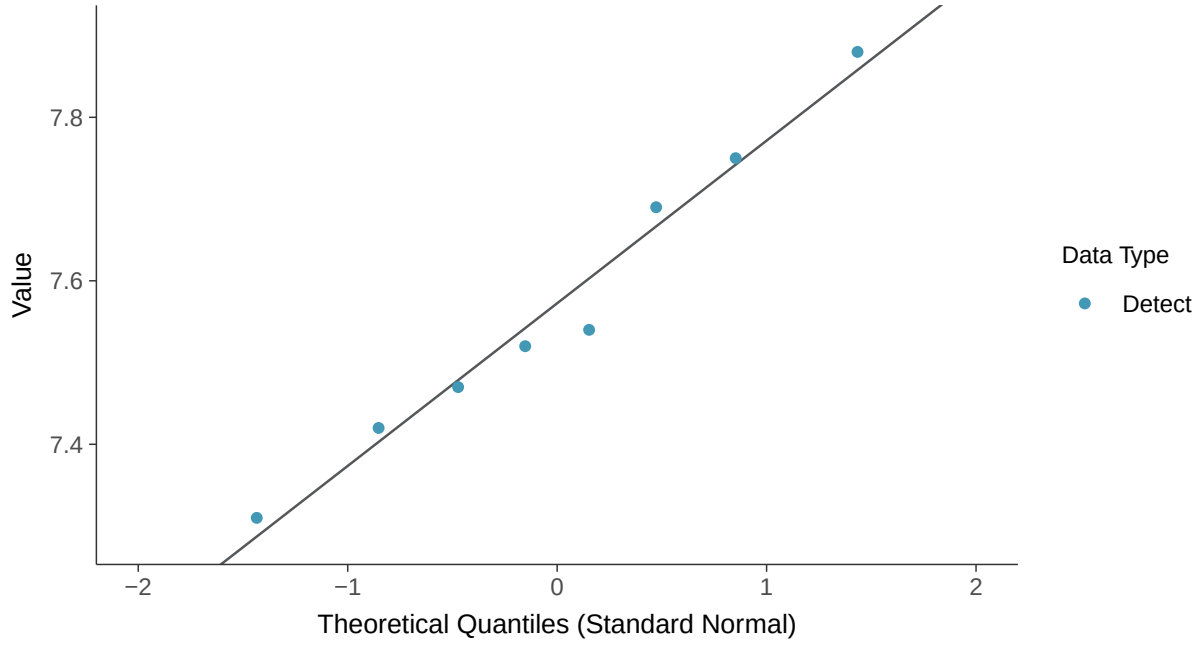
Boxplot by Season

pH (field), MW-17 (su)



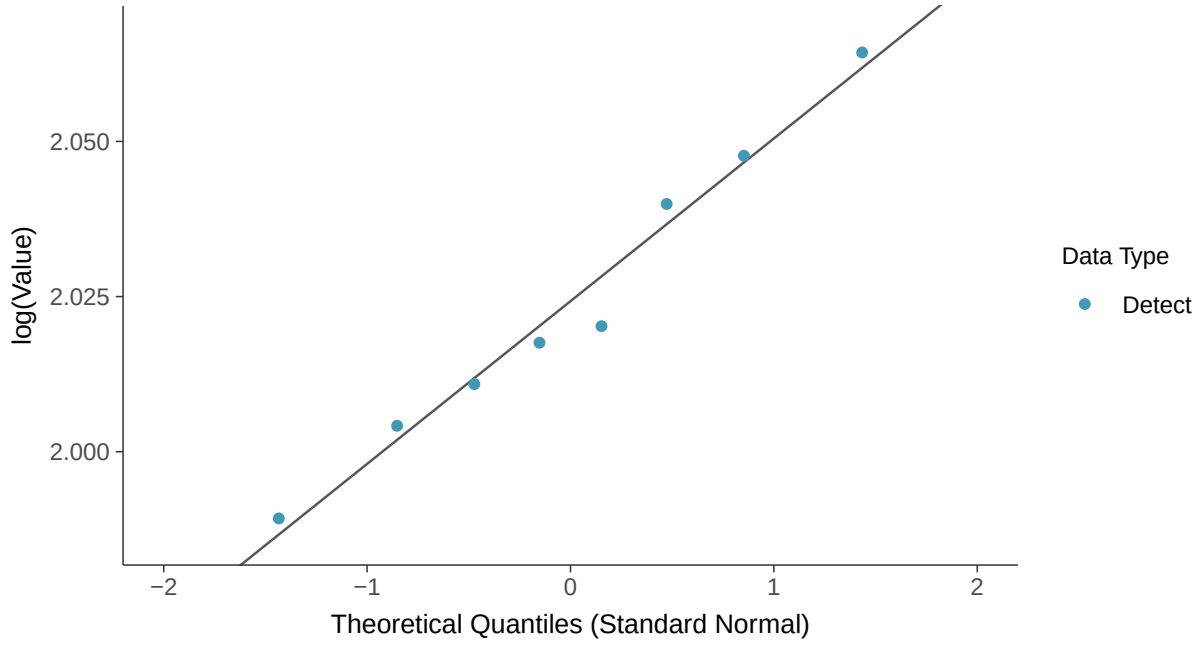
Normal Q-Q plot

pH (field), MW-17 (su)



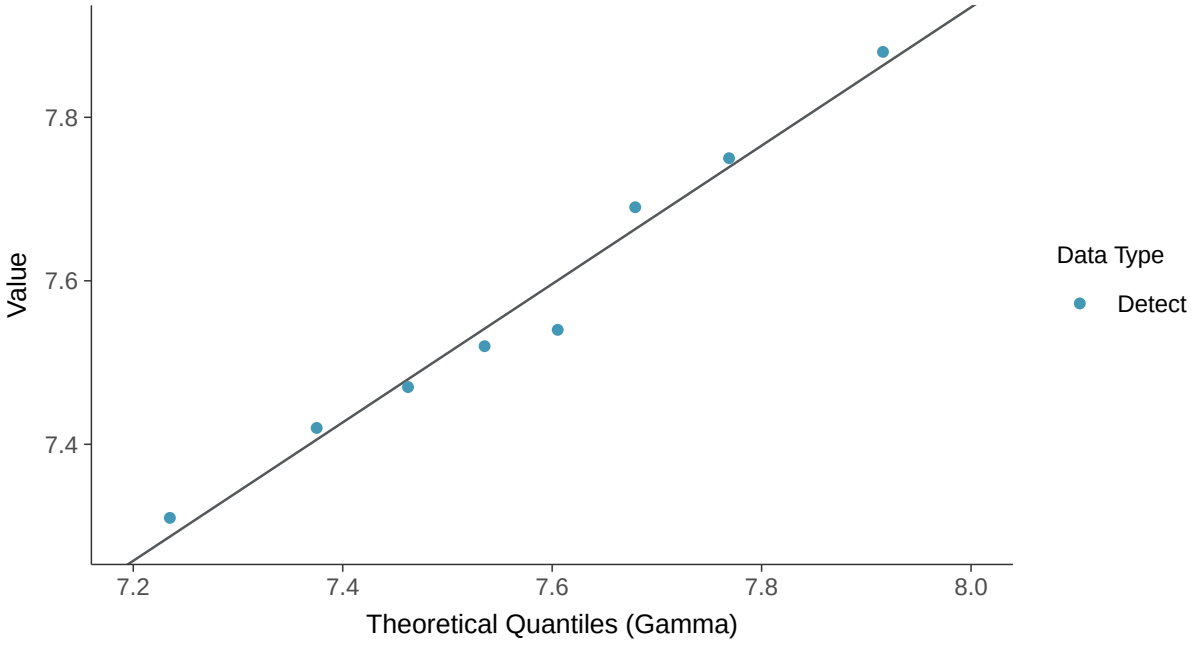
Lognormal Q-Q plot

pH (field), MW-17 (su)



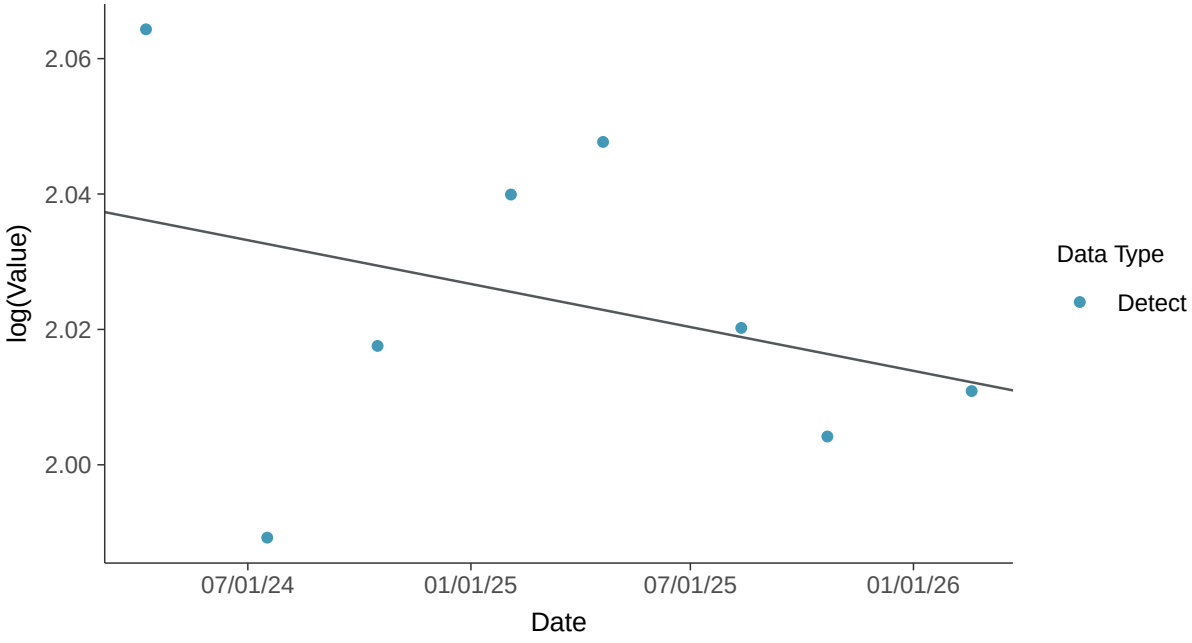
Gamma Q-Q plot

pH (field), MW-17 (su)



Trend Regression: Lognormal MLE

pH (field), MW-17 (su)

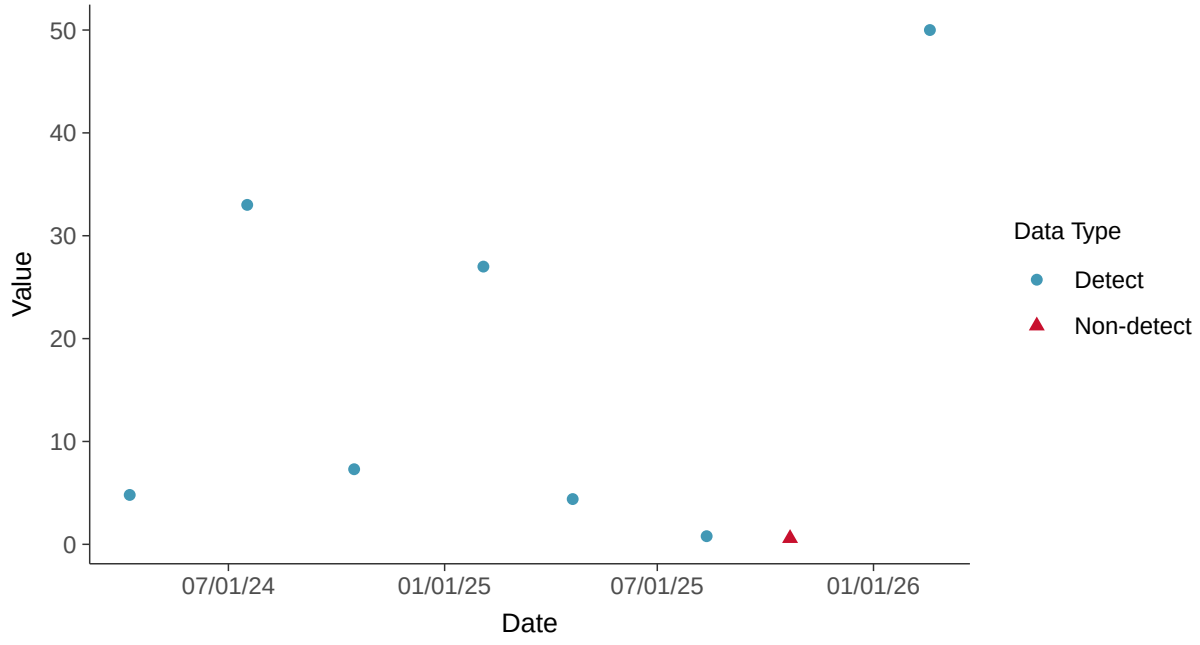


Appendix III: Sulfate (as SO4), MW-17

ID: 27_1_3_124

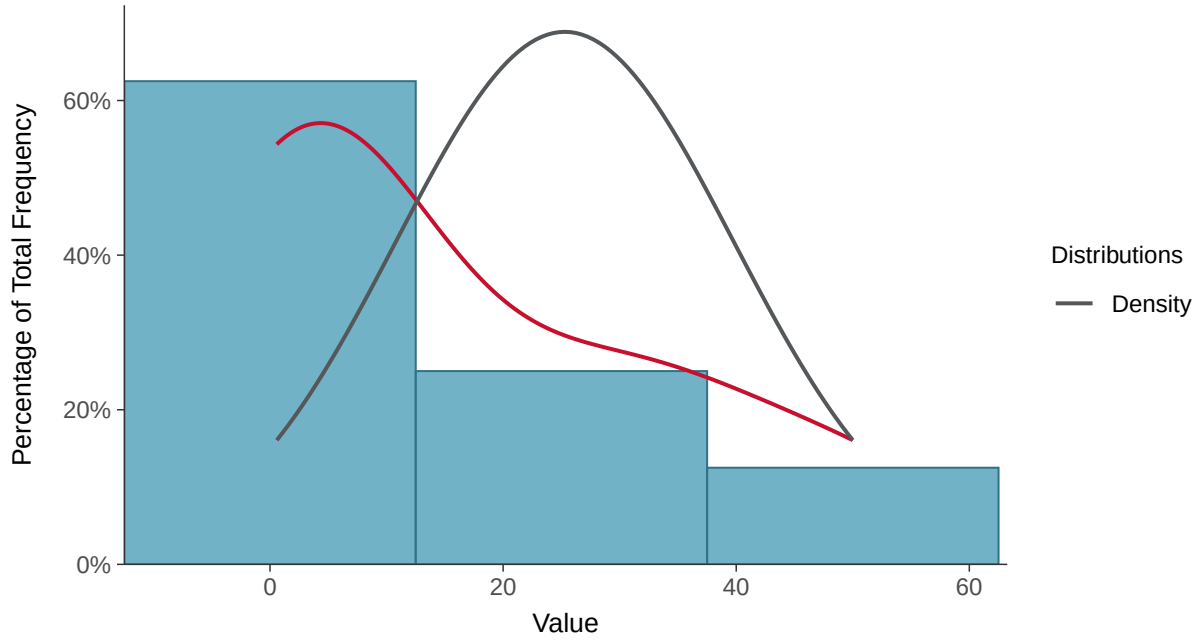
Scatter Plot

Sulfate (as SO4), MW-17 (mg/L)



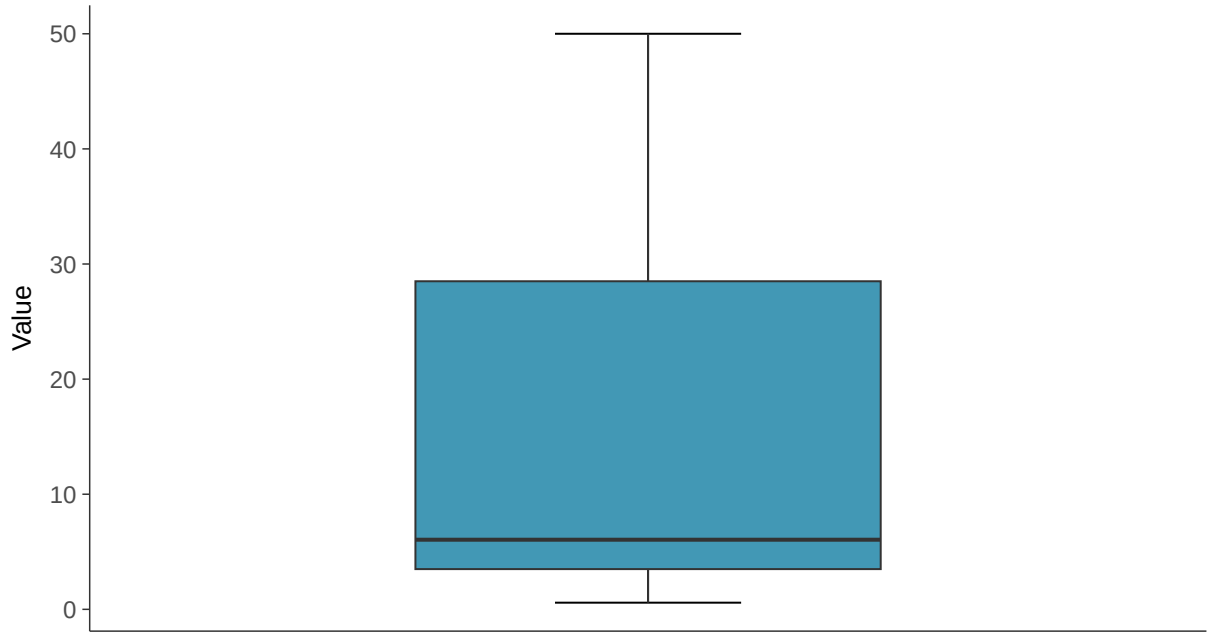
Histogram

Sulfate (as SO4), MW-17 (mg/L)



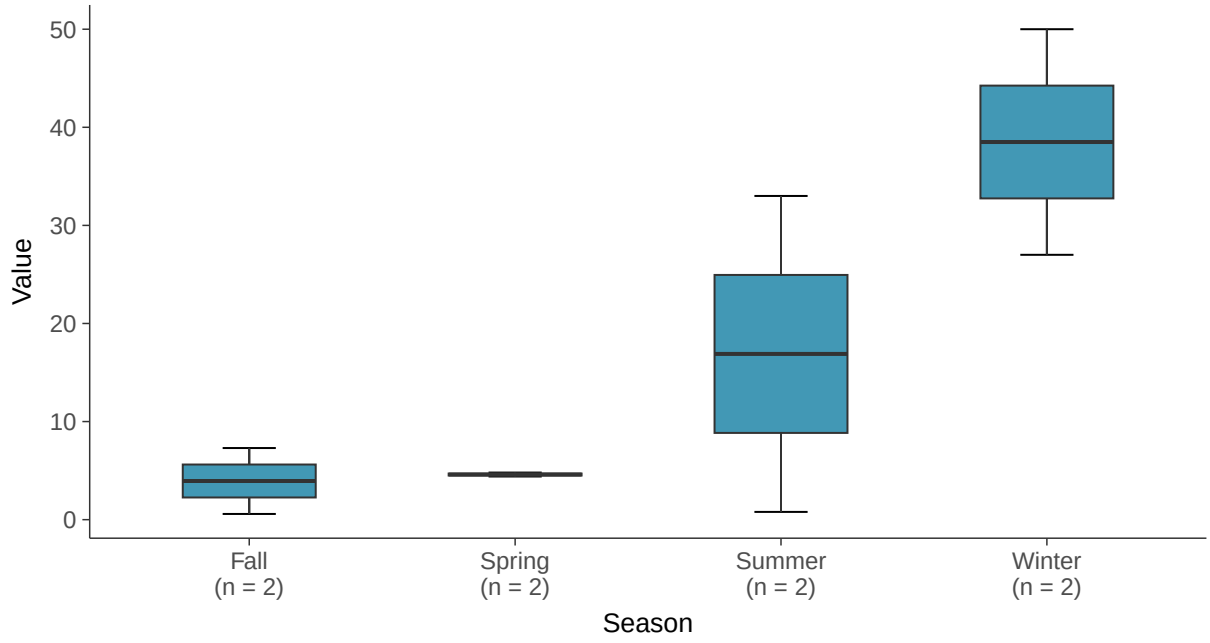
Boxplot

Sulfate (as SO4), MW-17 (mg/L)



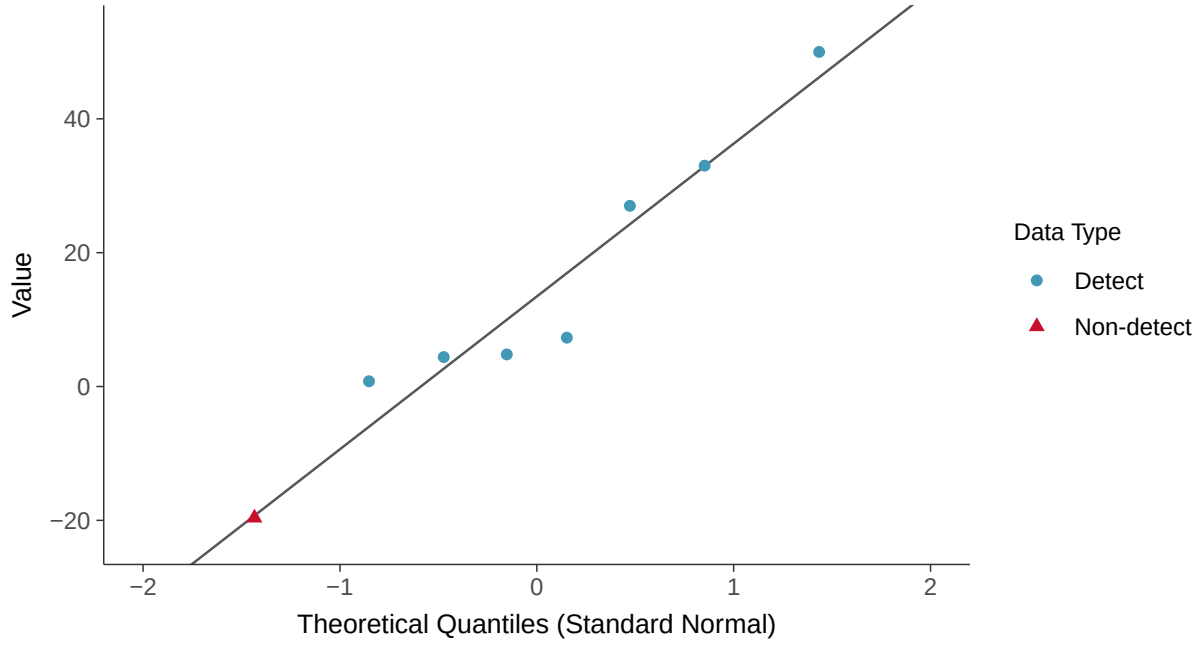
Boxplot by Season

Sulfate (as SO4), MW-17 (mg/L)



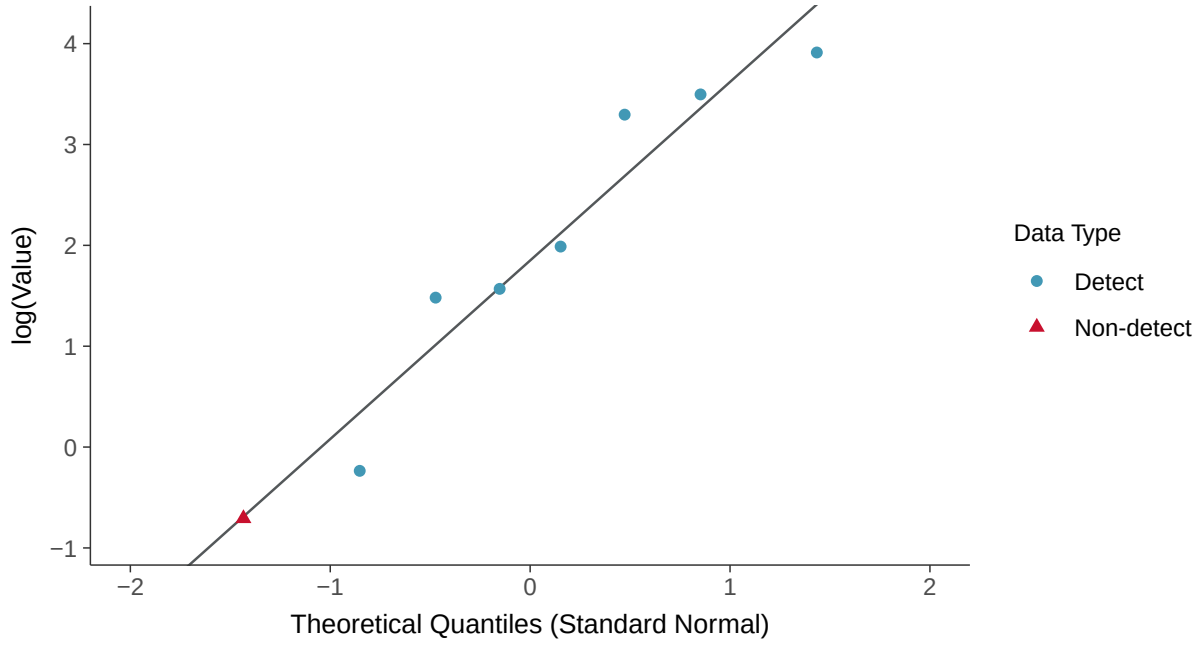
Normal Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-17 (mg/L)



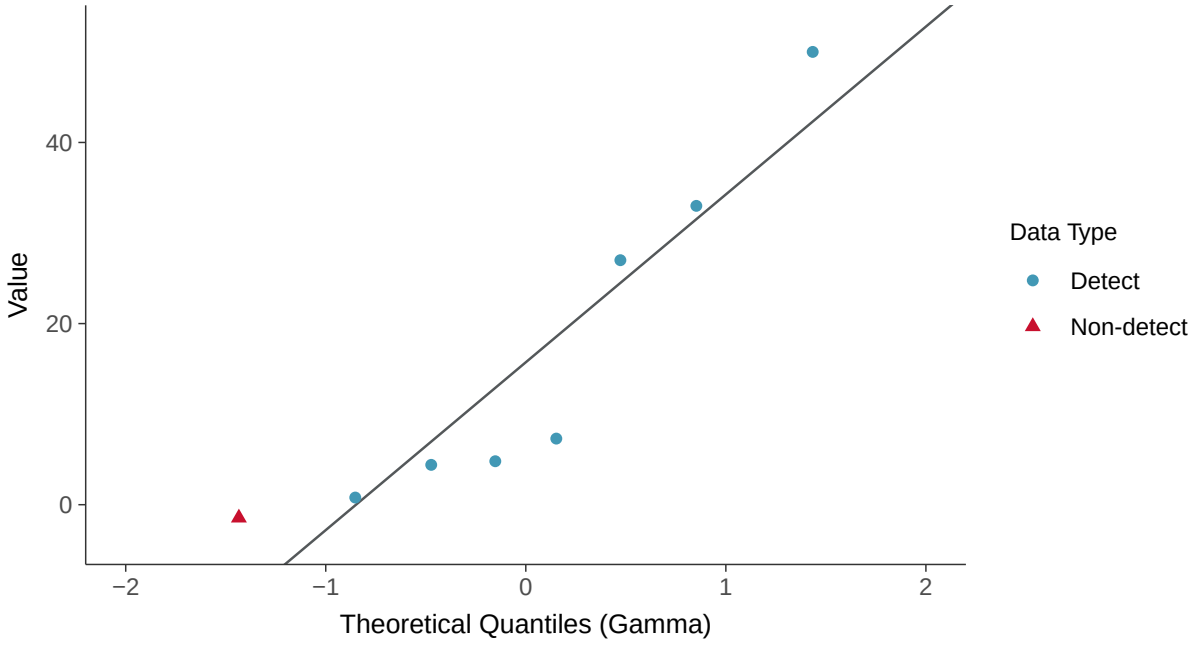
Lognormal Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-17 (mg/L)



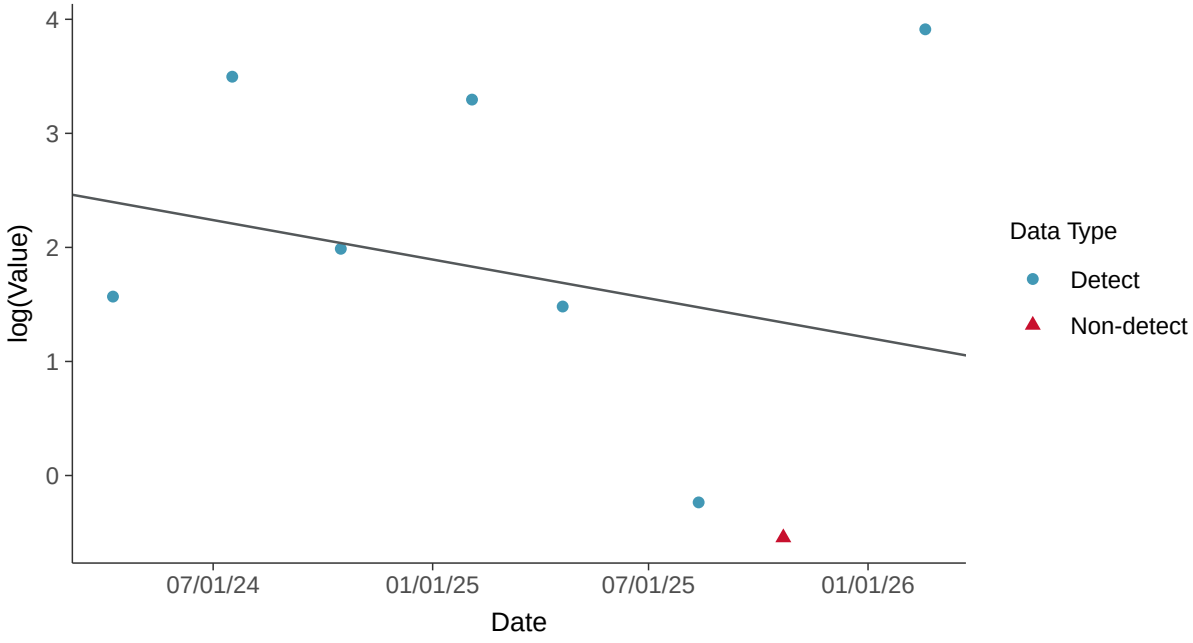
Gamma Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-17 (mg/L)



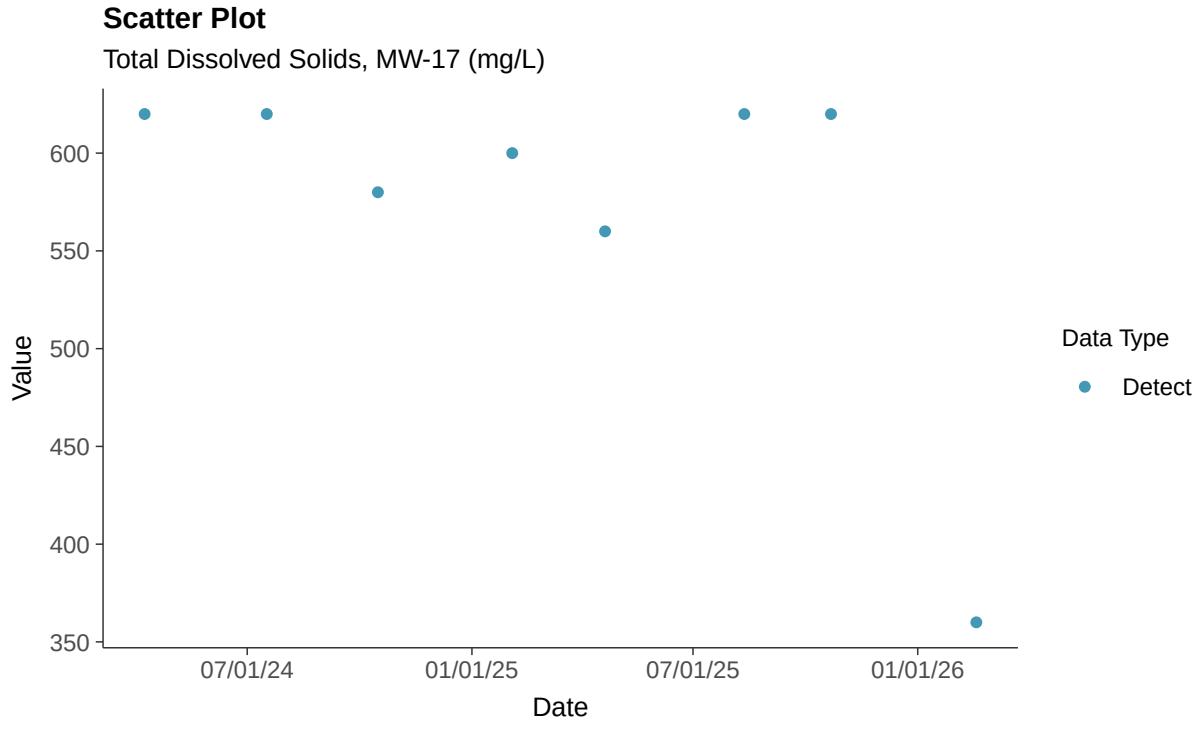
Trend Regression: Lognormal MLE

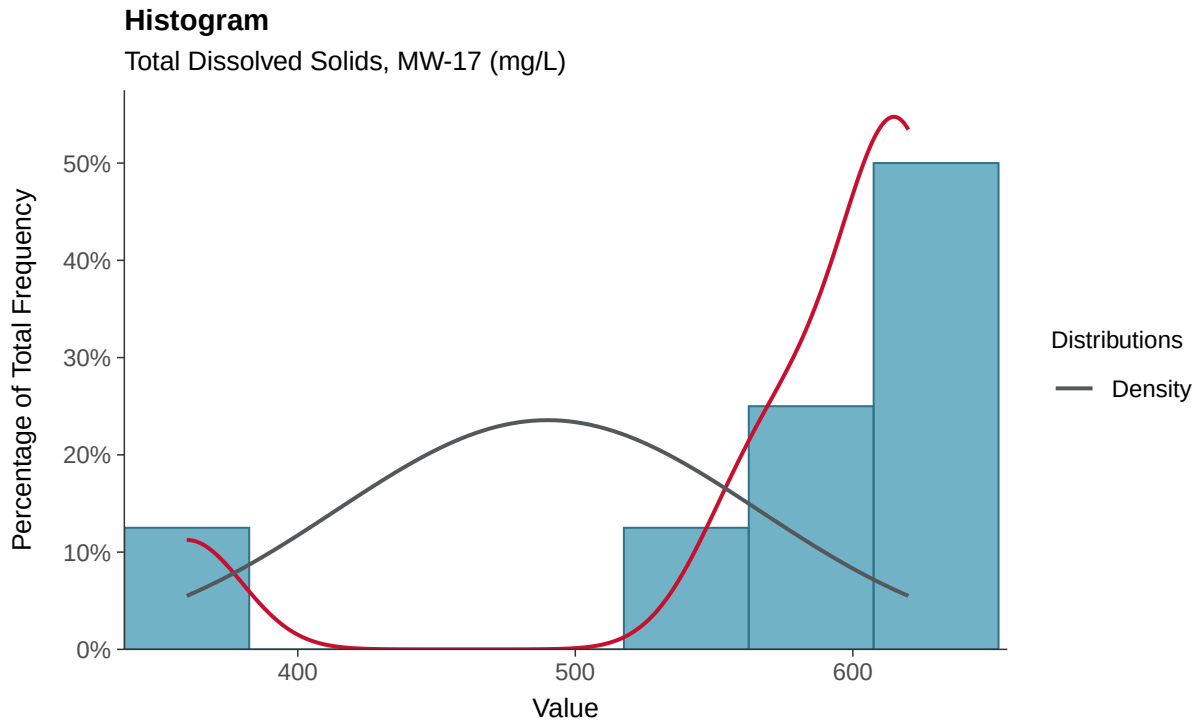
Sulfate (as SO4), MW-17 (mg/L)



Appendix III: Total Dissolved Solids, MW-17

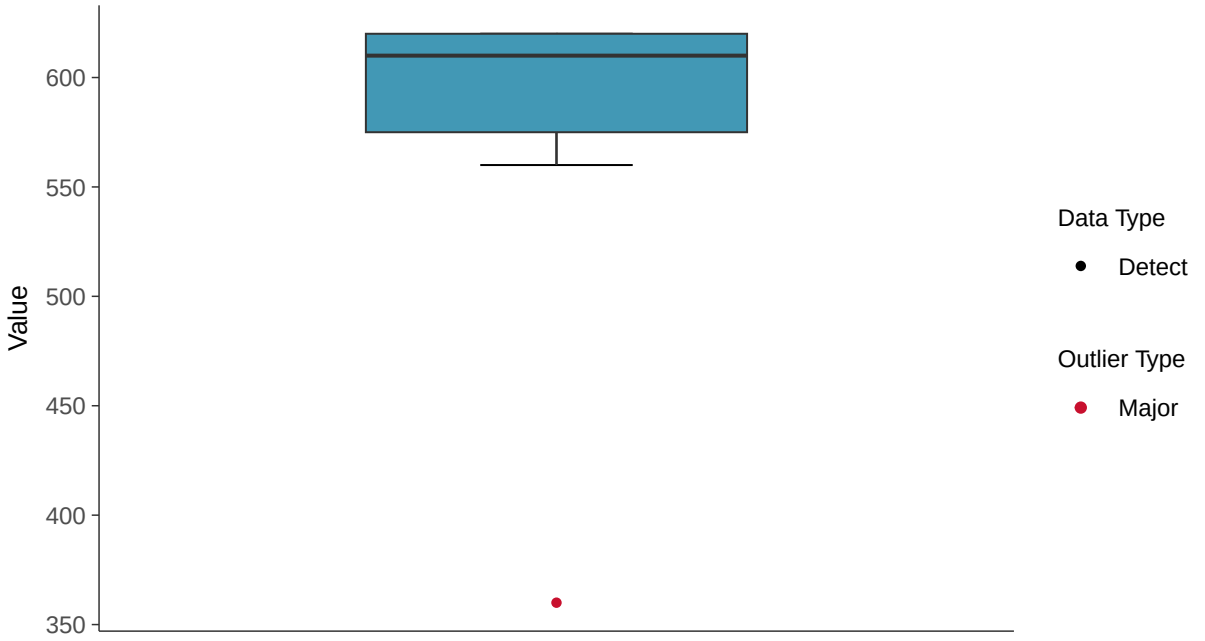
ID: 27_1_3_126





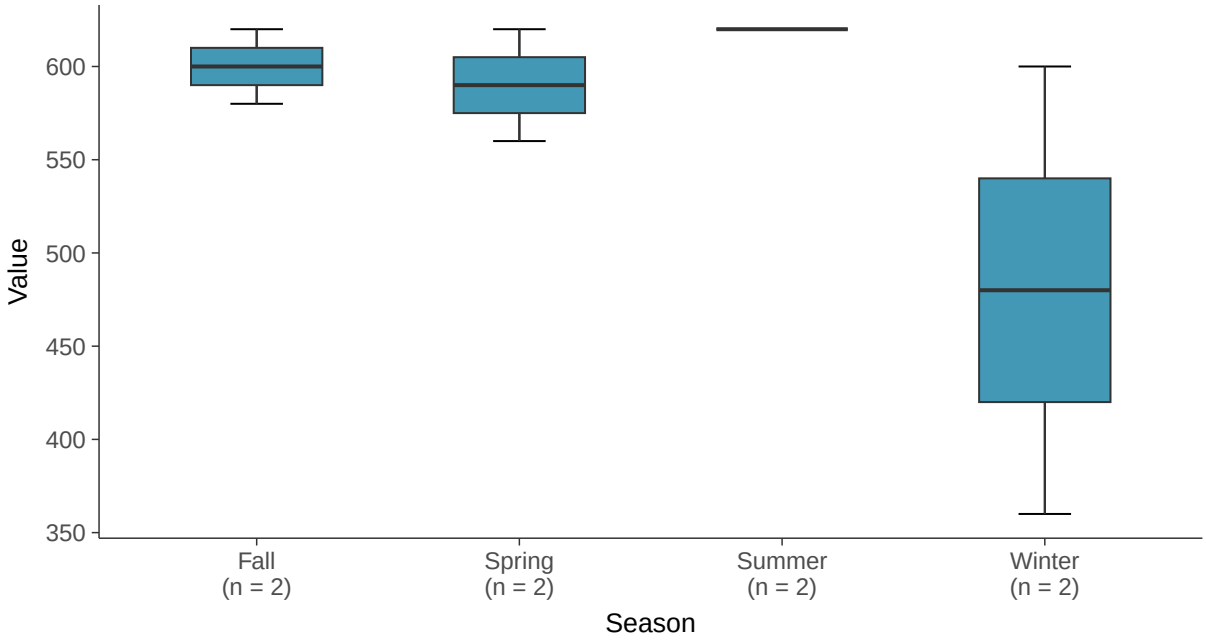
Boxplot

Total Dissolved Solids, MW-17 (mg/L)



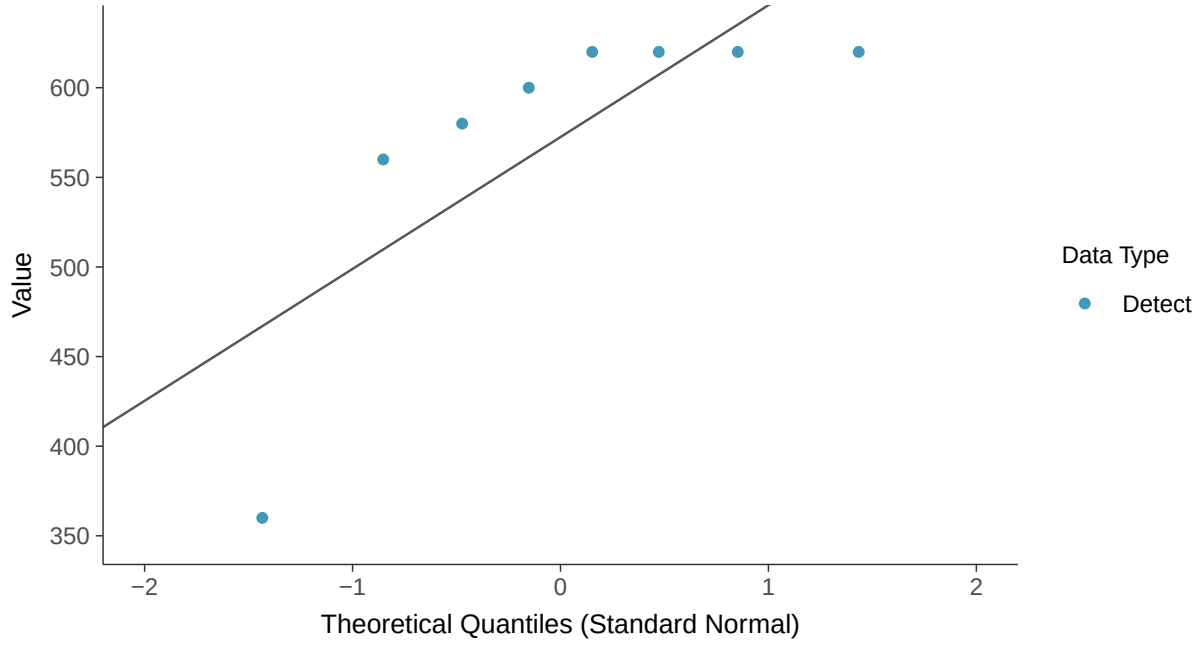
Boxplot by Season

Total Dissolved Solids, MW-17 (mg/L)



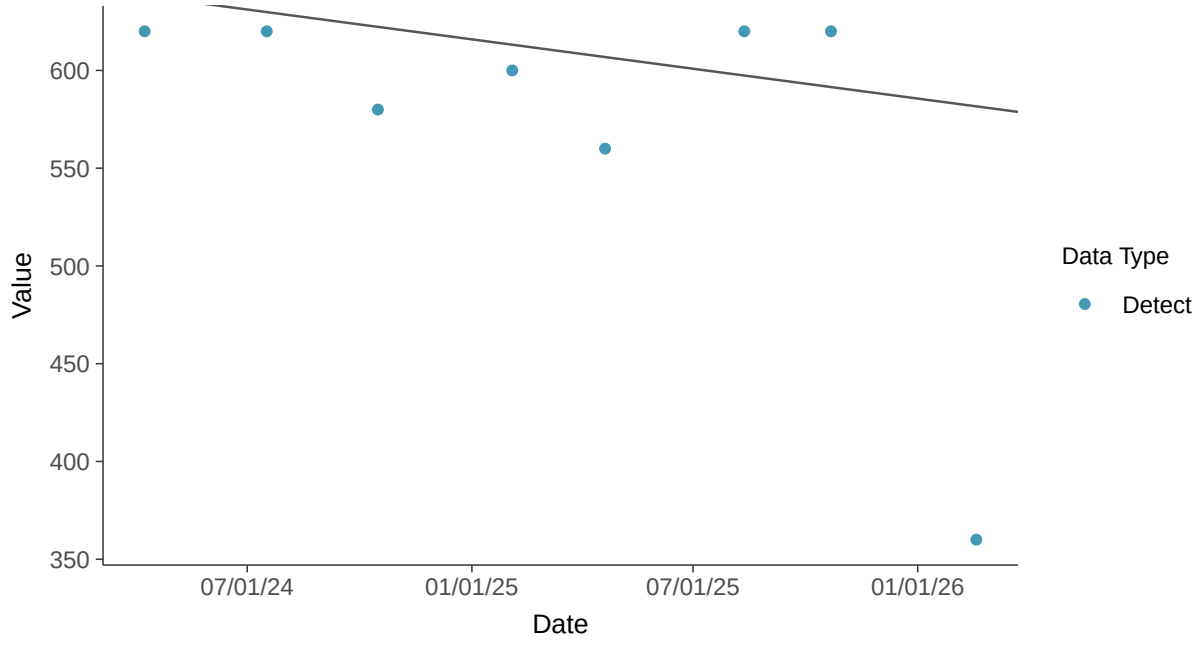
Normal Q-Q plot

Total Dissolved Solids, MW-17 (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

Total Dissolved Solids, MW-17 (mg/L)

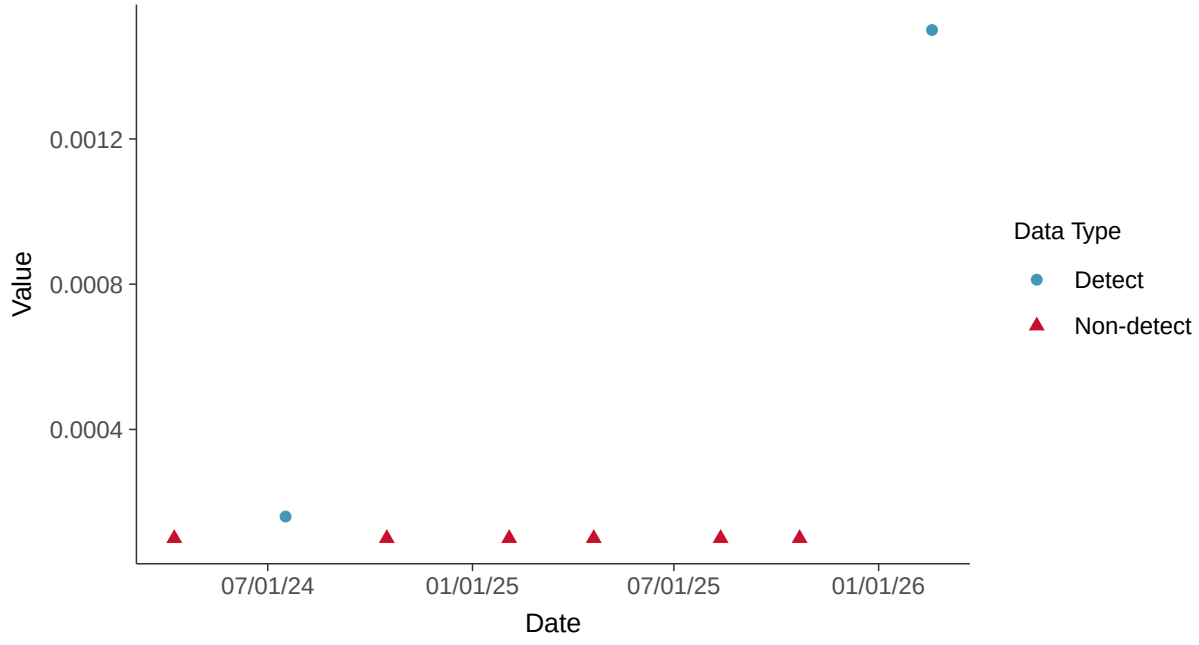


Appendix IV: Antimony, MW-17

ID: 27_1_4_101

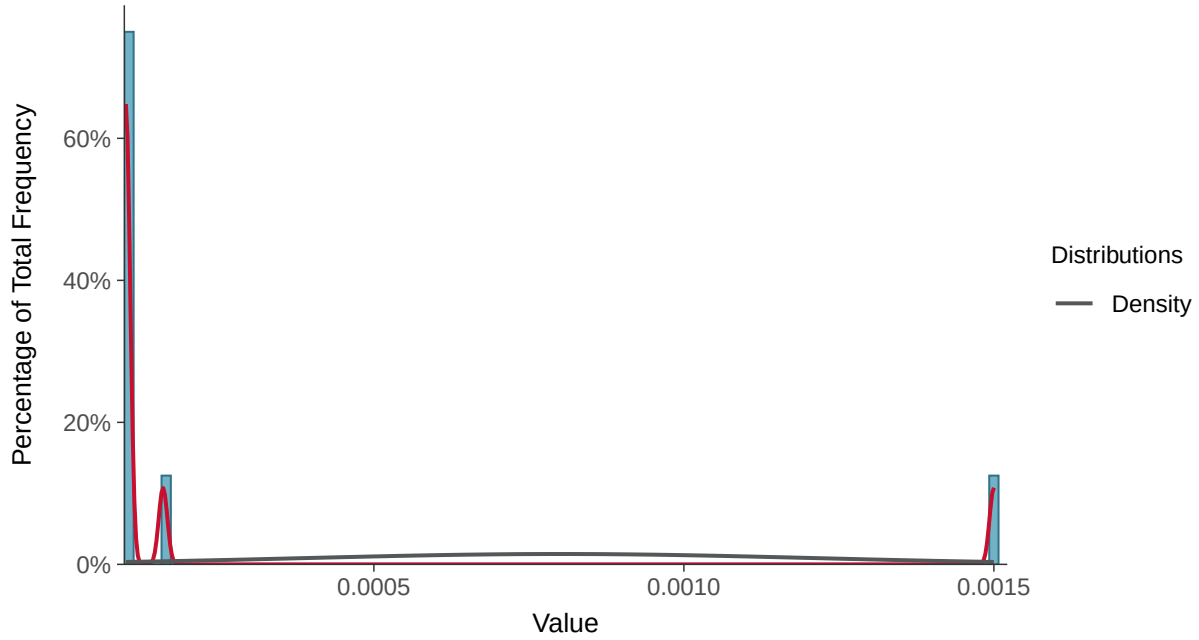
Scatter Plot

Antimony, MW-17 (mg/L)



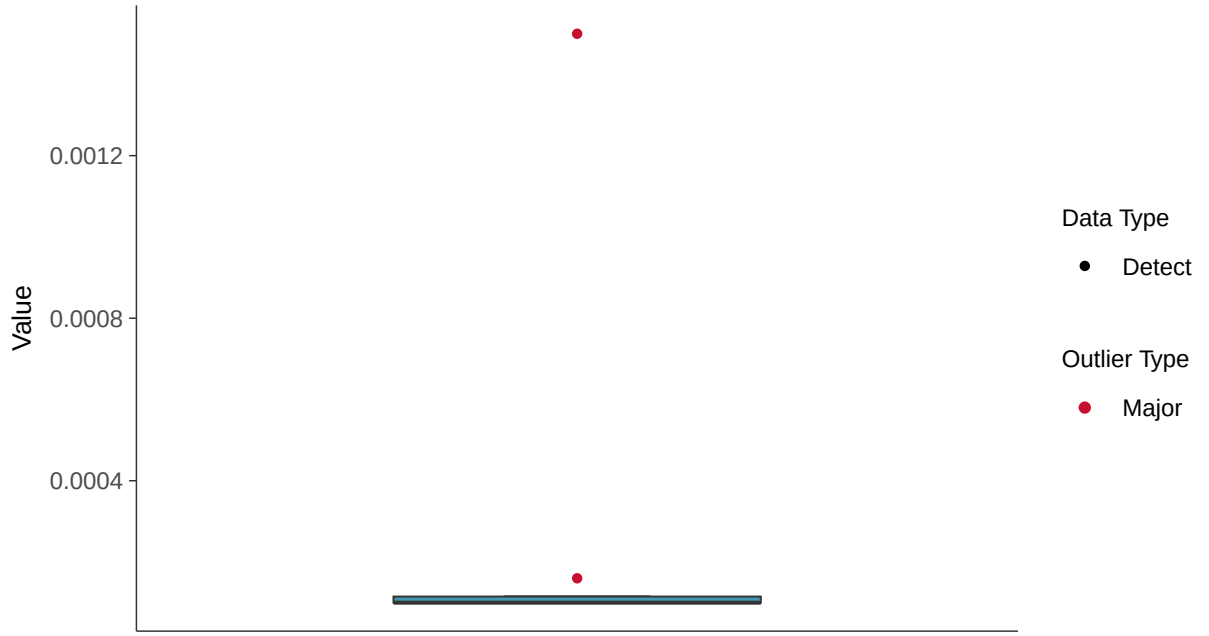
Histogram

Antimony, MW-17 (mg/L)



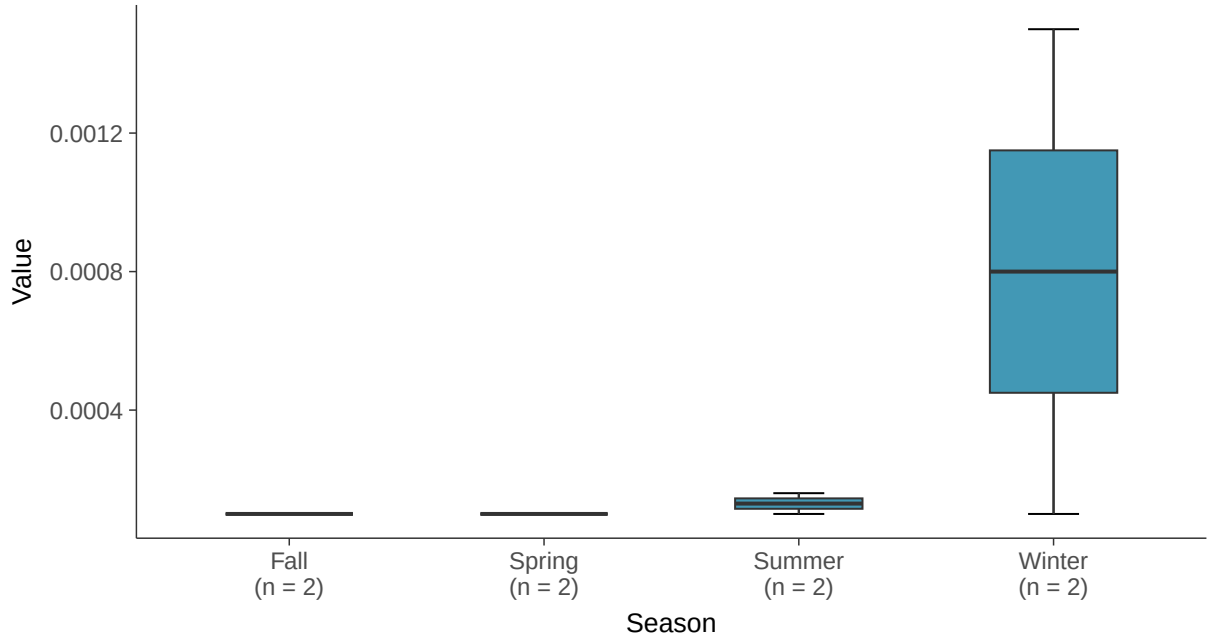
Boxplot

Antimony, MW-17 (mg/L)



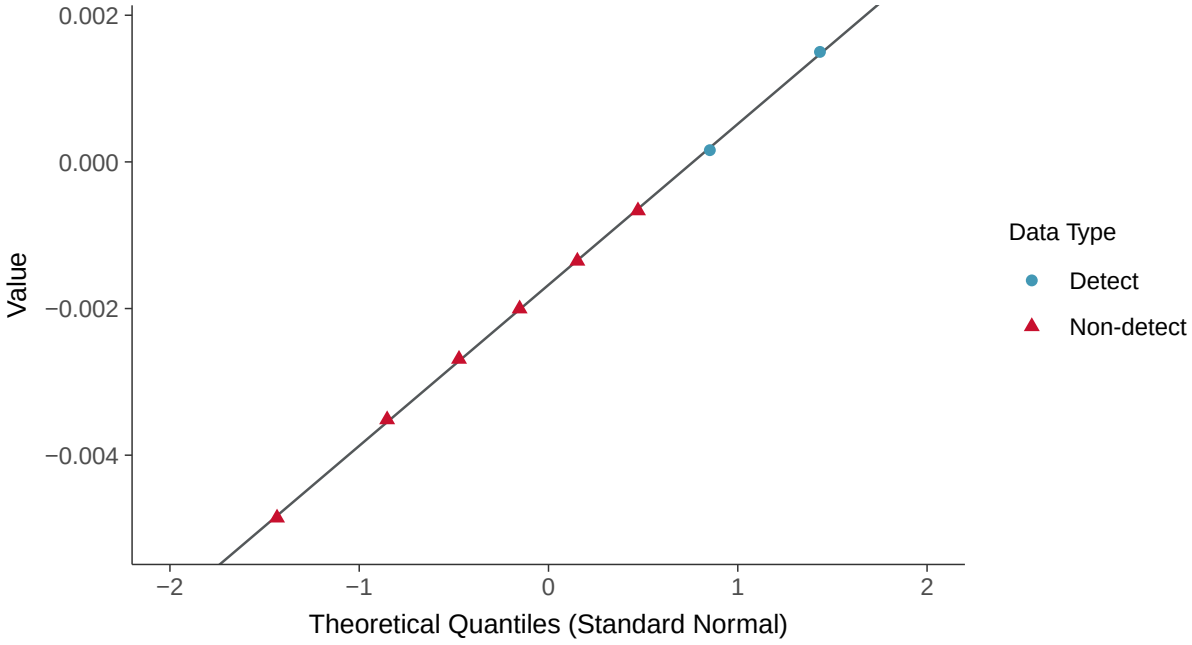
Boxplot by Season

Antimony, MW-17 (mg/L)



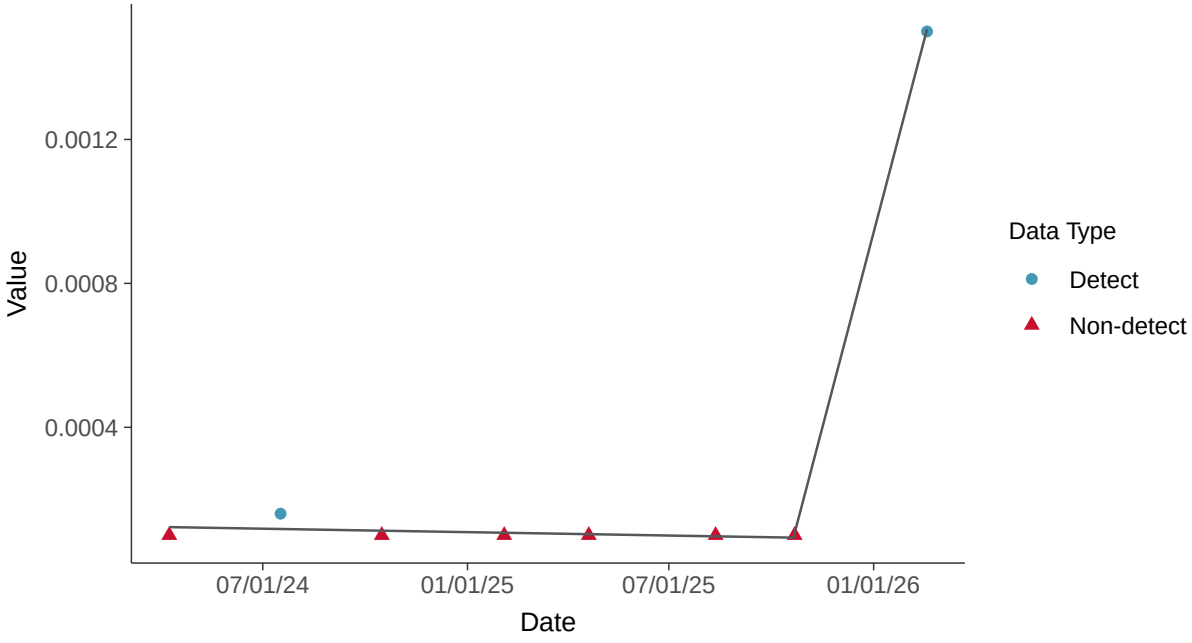
Normal Q-Q plot using ROS Imputed Estimates

Antimony, MW-17 (mg/L)



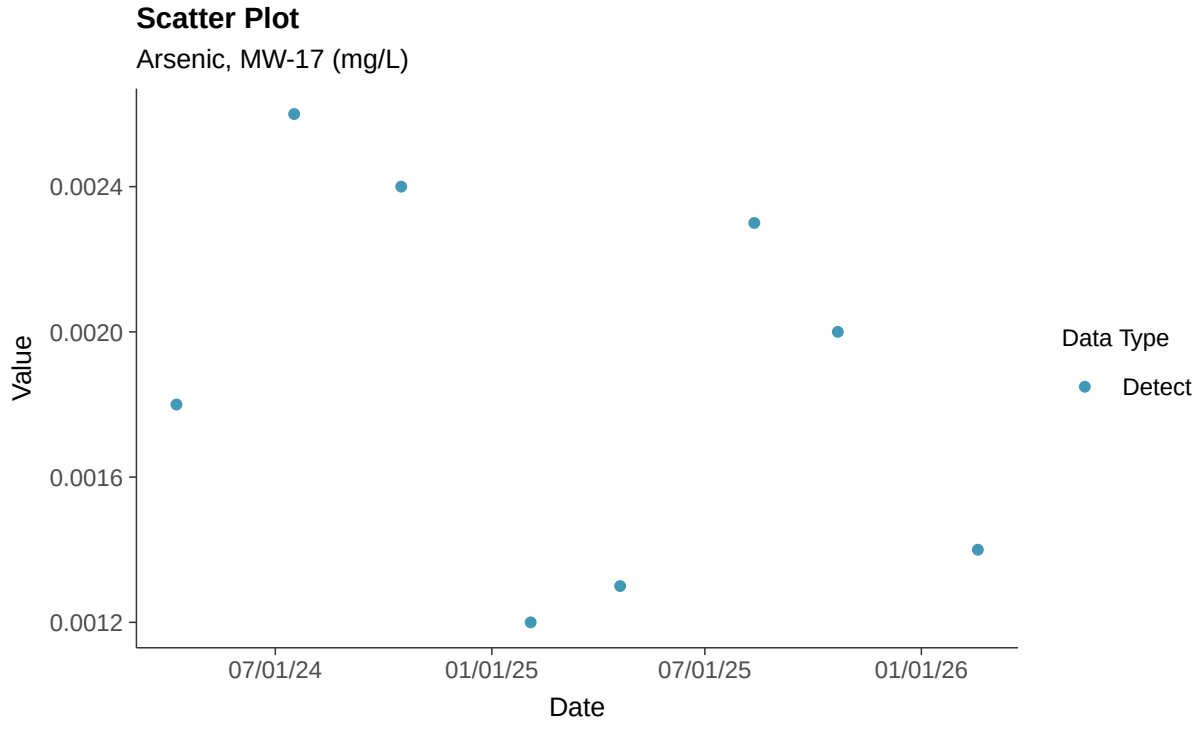
Trend Regression: Piecewise Linear-Linear

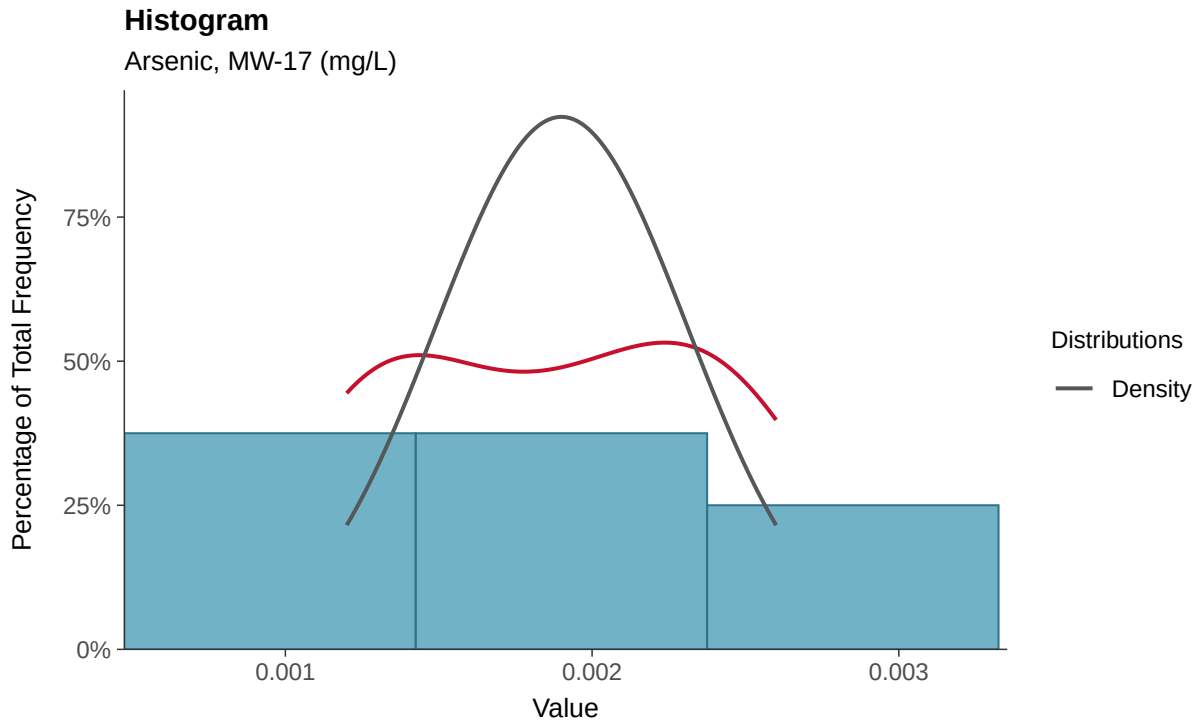
Antimony, MW-17 (mg/L)



Appendix IV: Arsenic, MW-17

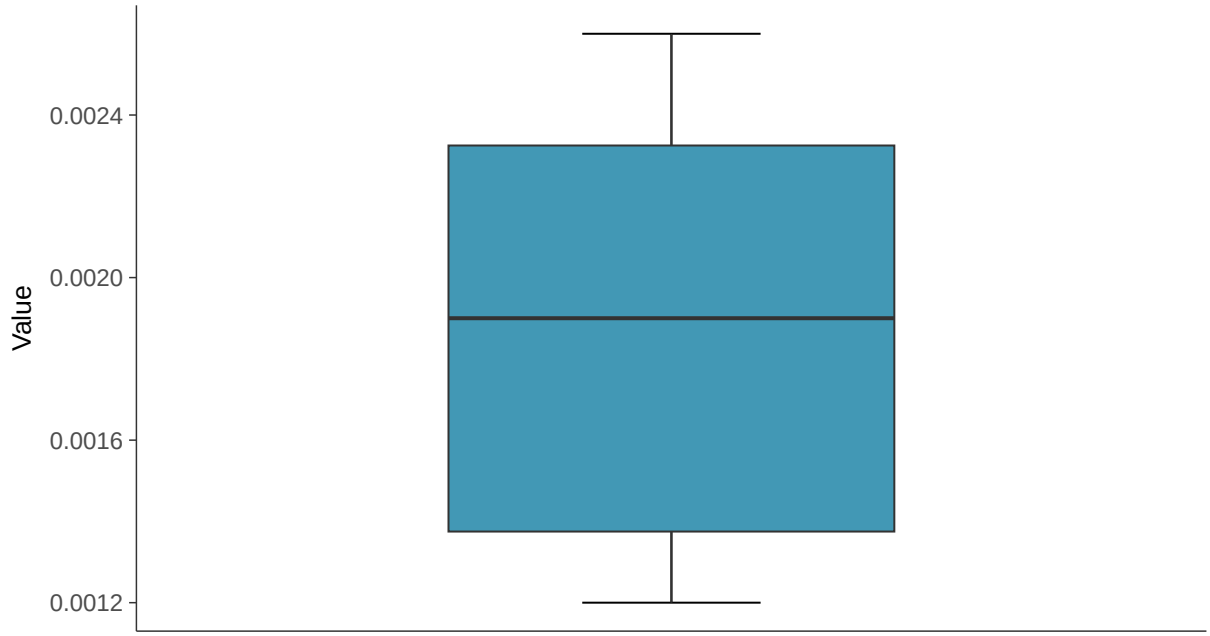
ID: 27_1_4_102





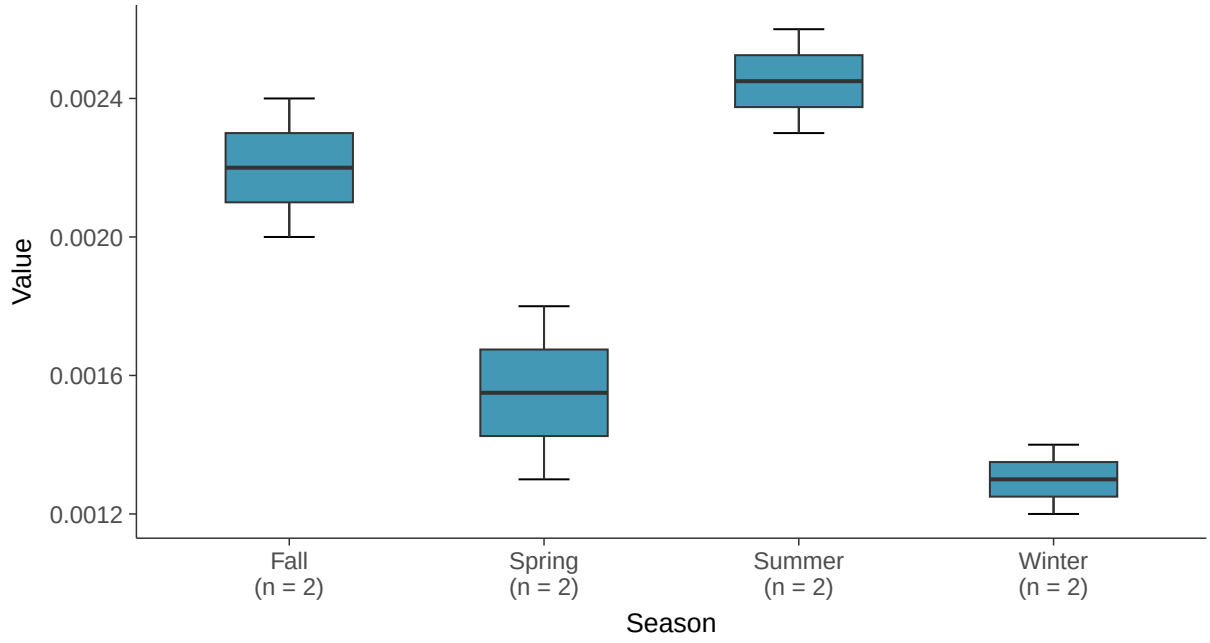
Boxplot

Arsenic, MW-17 (mg/L)



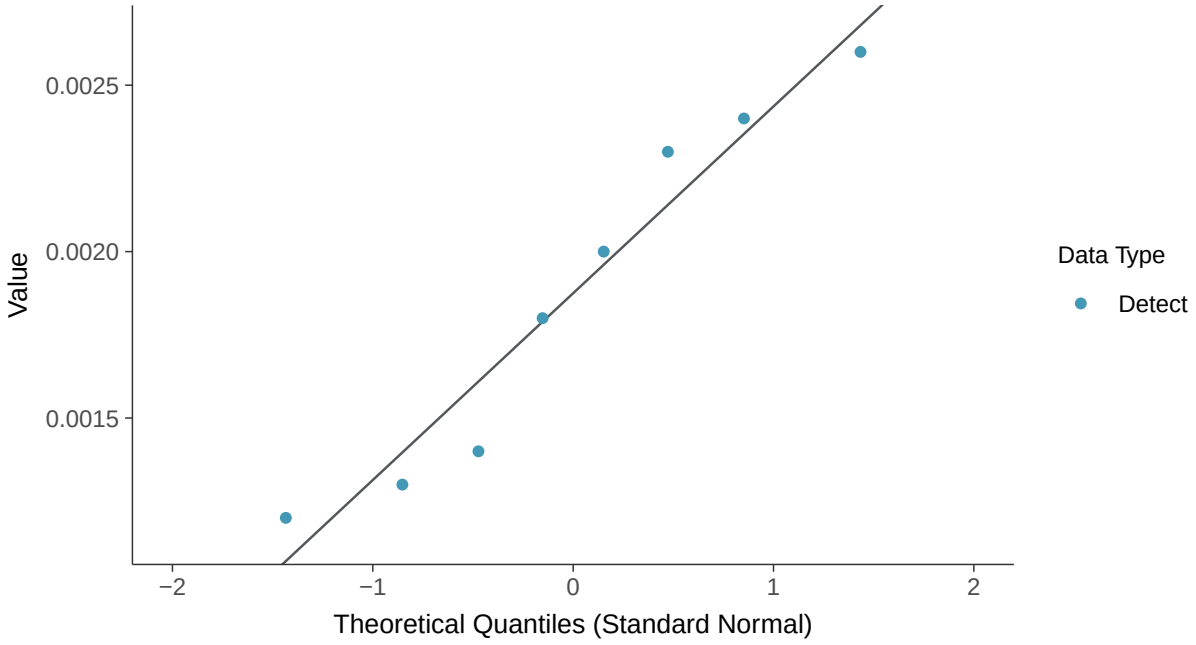
Boxplot by Season

Arsenic, MW-17 (mg/L)



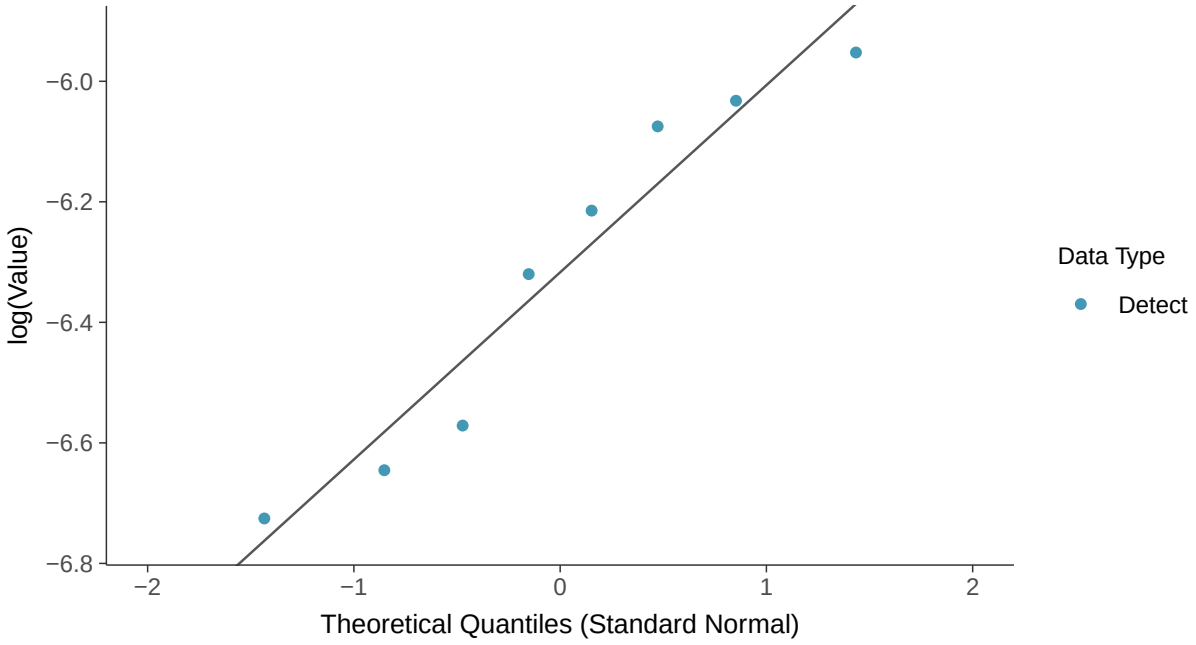
Normal Q-Q plot

Arsenic, MW-17 (mg/L)



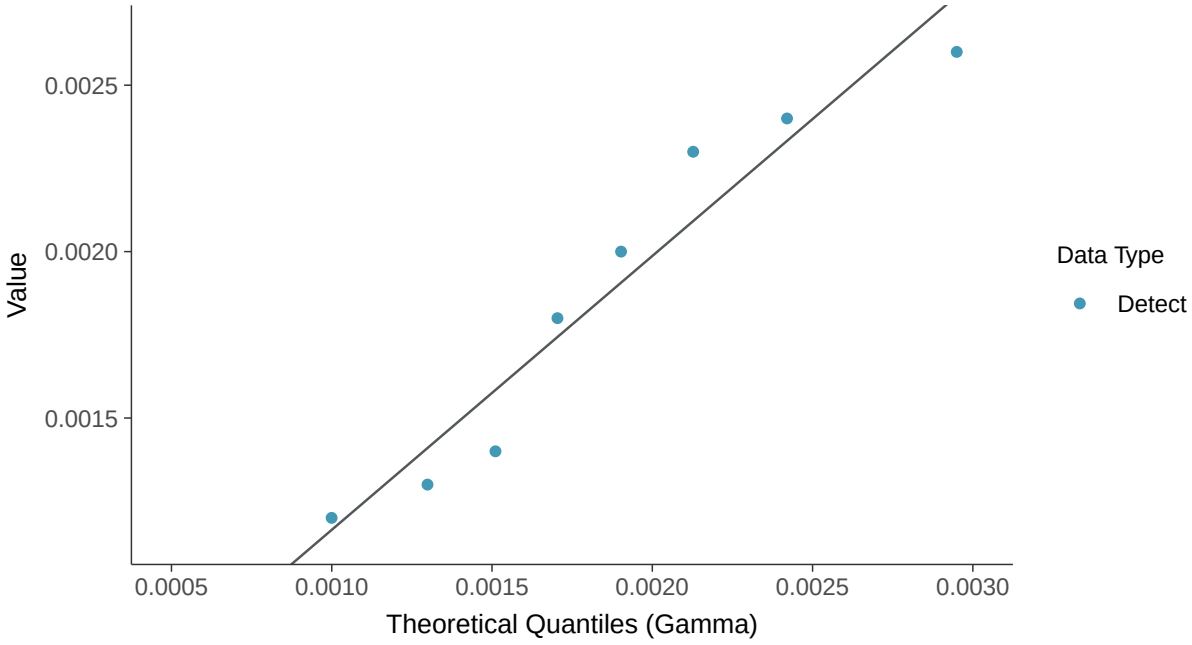
Lognormal Q-Q plot

Arsenic, MW-17 (mg/L)



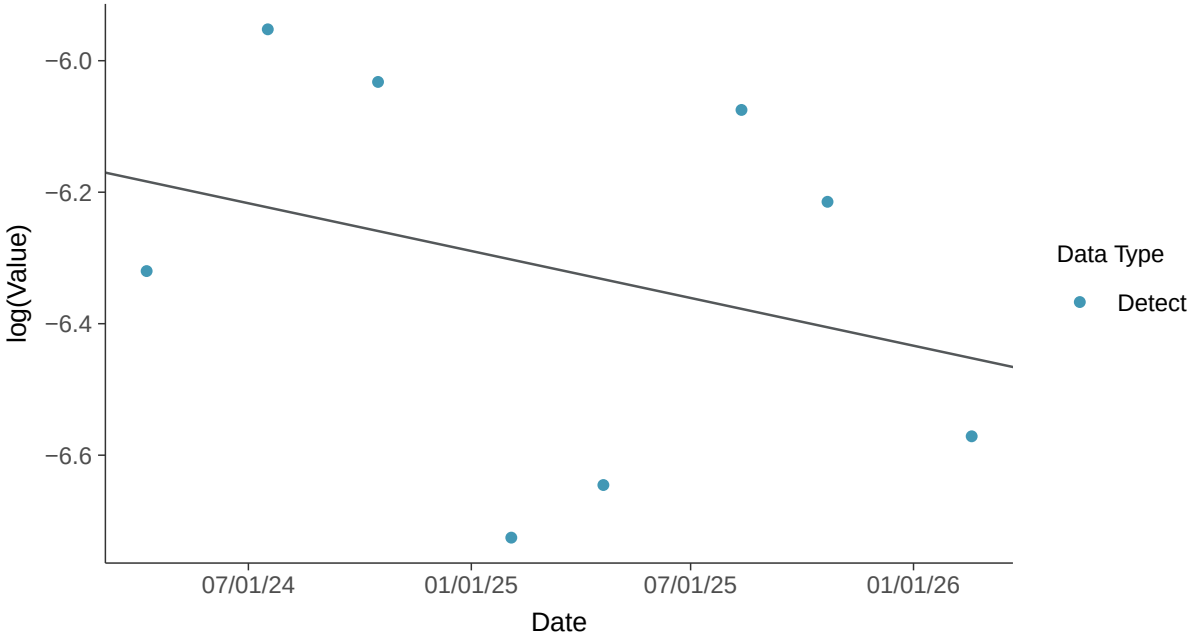
Gamma Q-Q plot

Arsenic, MW-17 (mg/L)



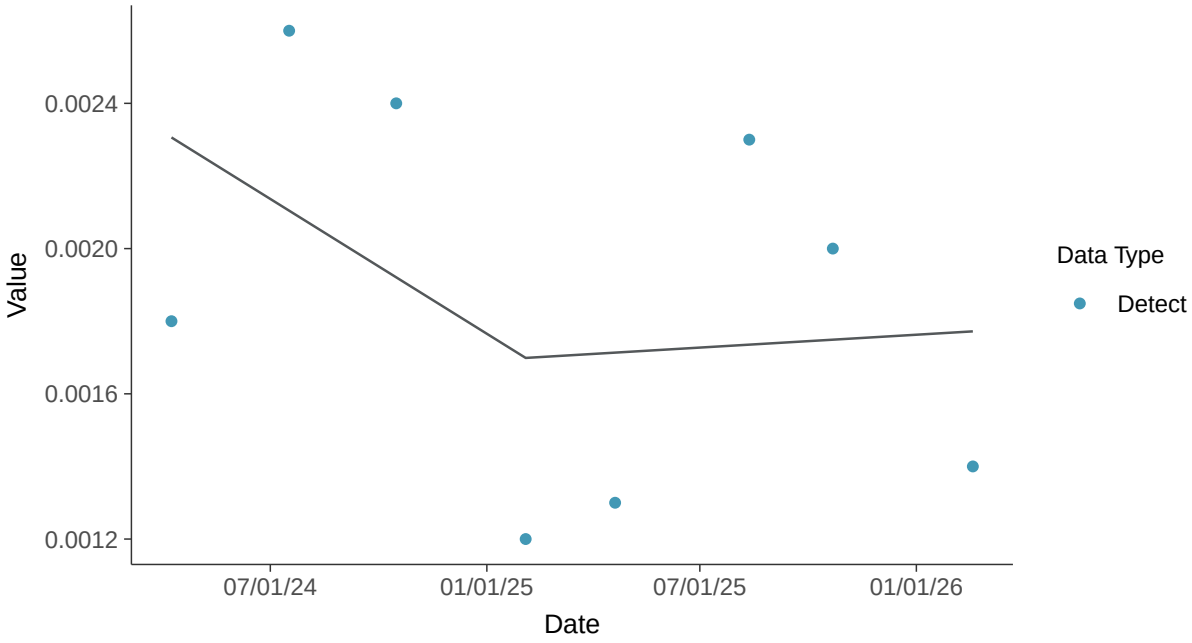
Trend Regression: Lognormal MLE

Arsenic, MW-17 (mg/L)



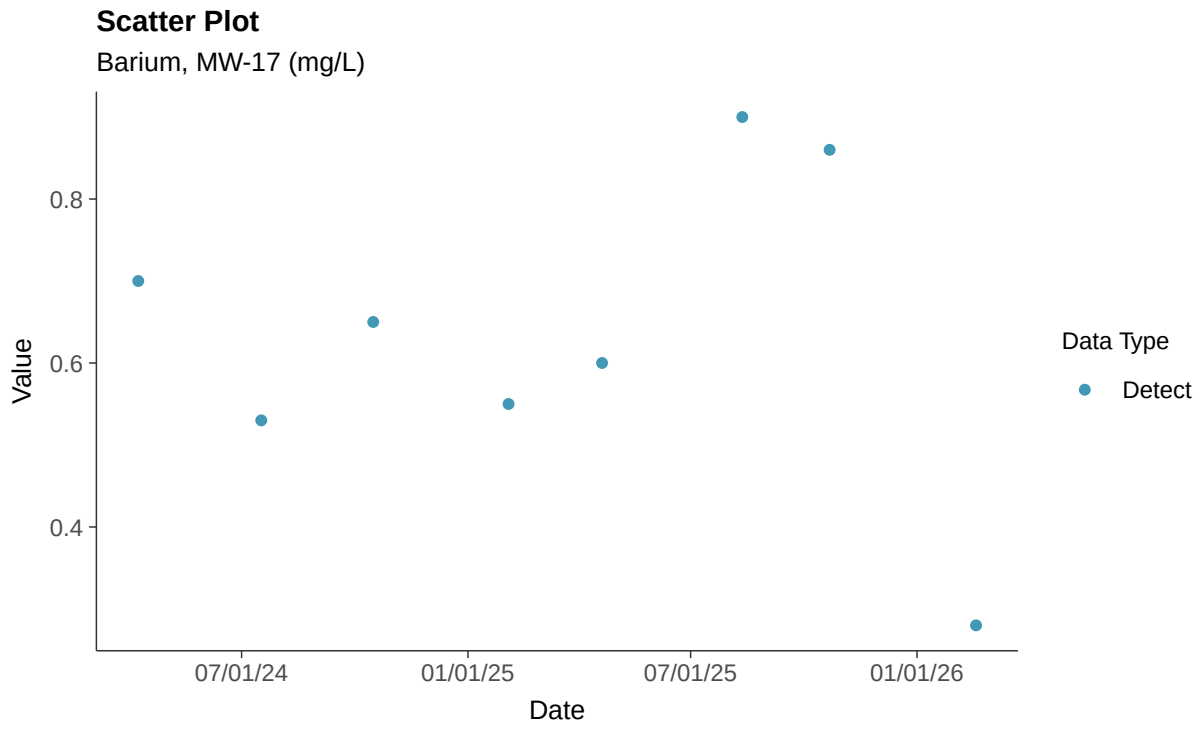
Trend Regression: Piecewise Linear-Linear

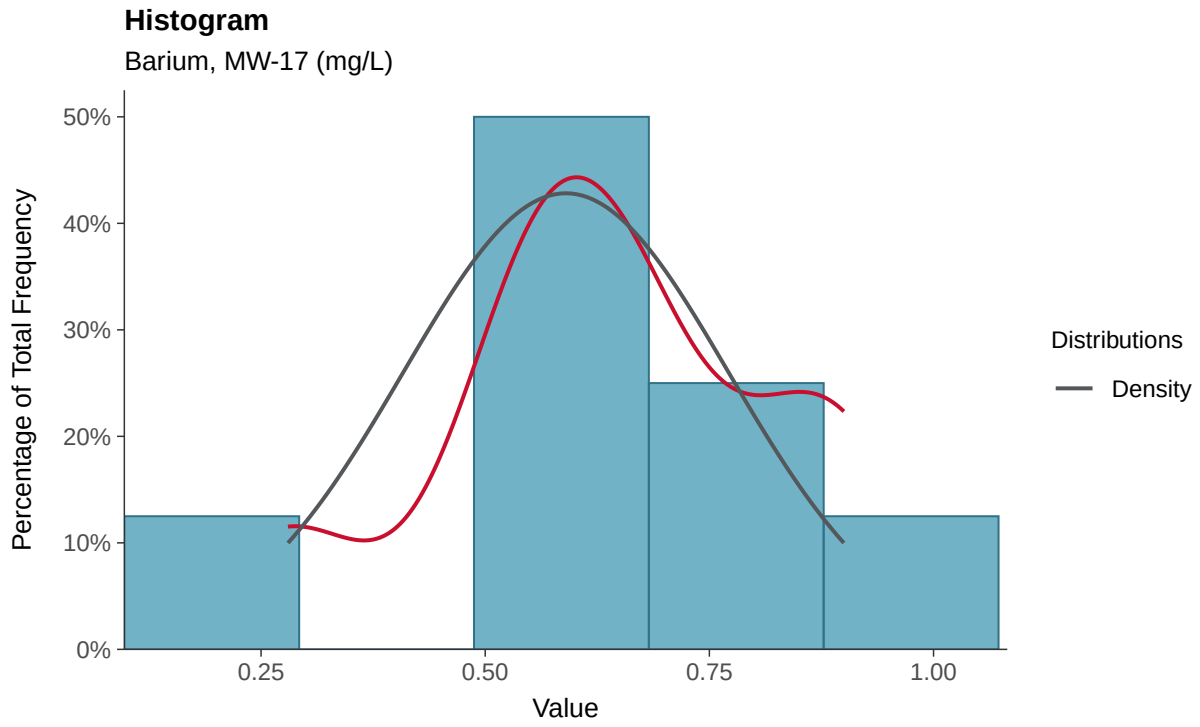
Arsenic, MW-17 (mg/L)



Appendix IV: Barium, MW-17

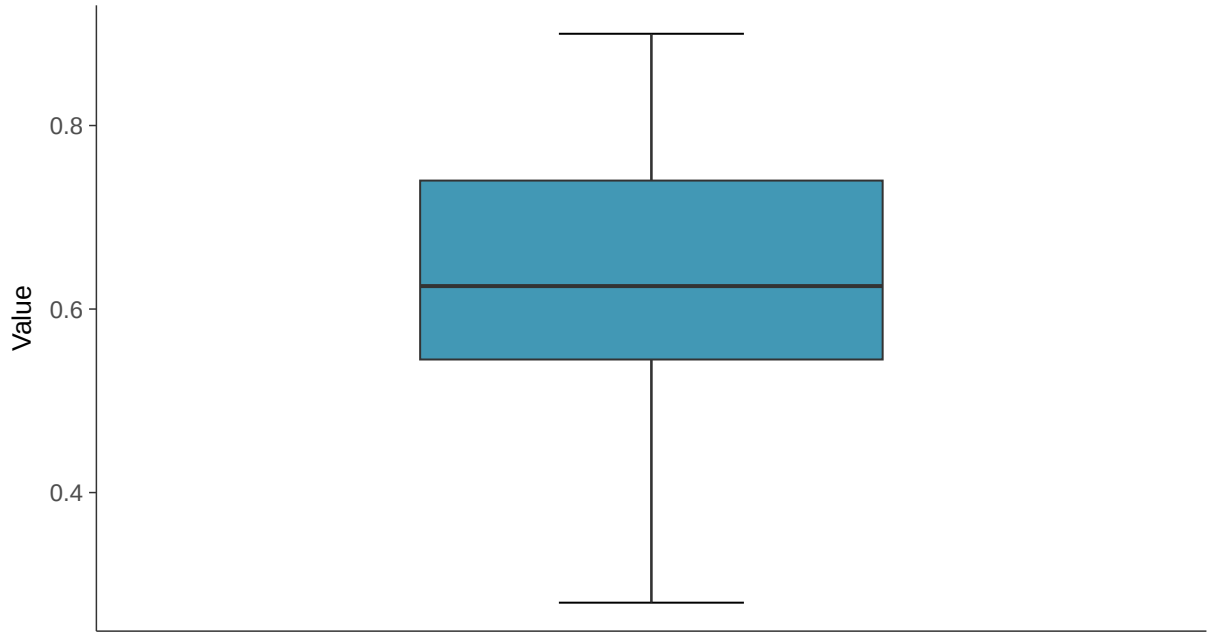
ID: 27_1_4_103





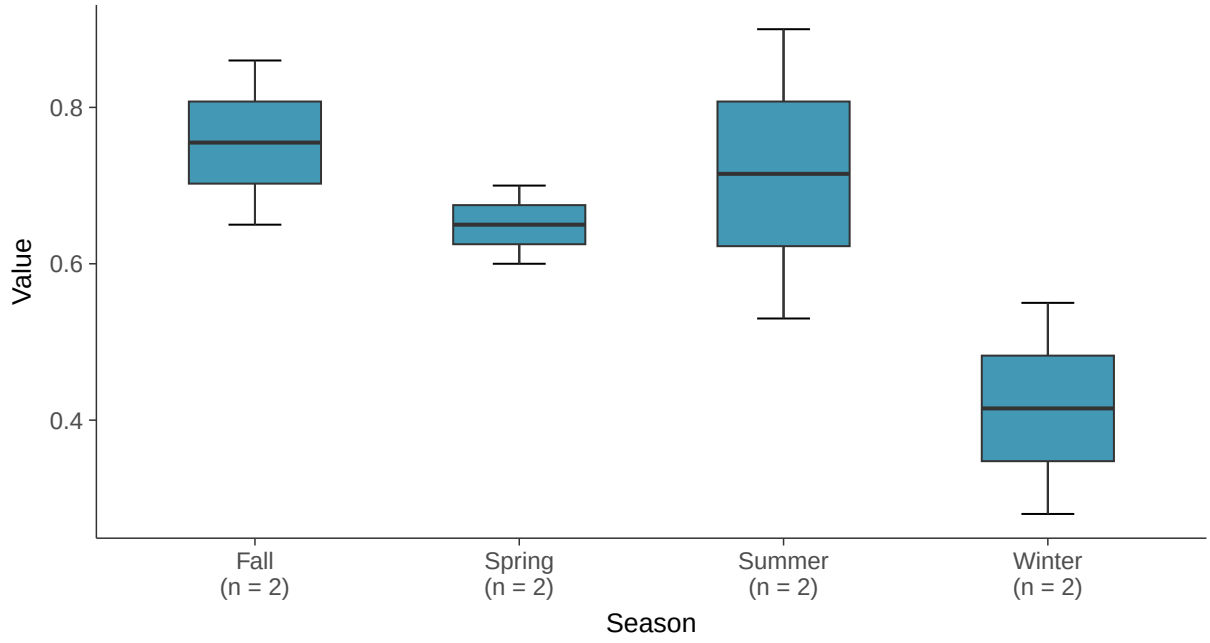
Boxplot

Barium, MW-17 (mg/L)



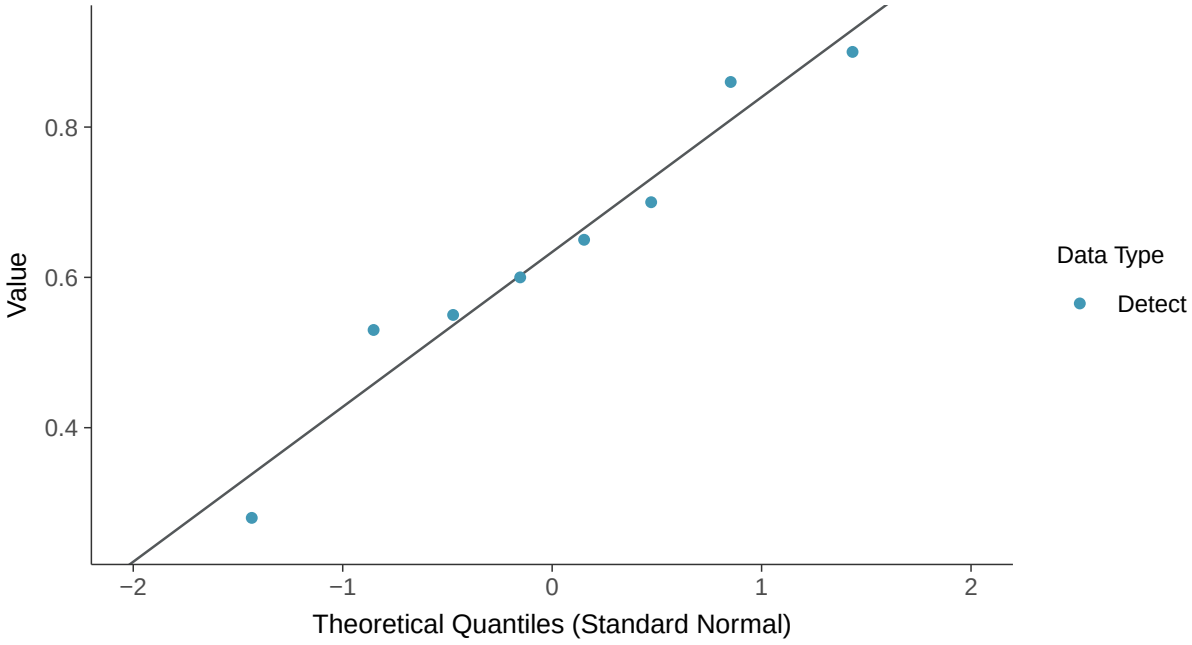
Boxplot by Season

Barium, MW-17 (mg/L)



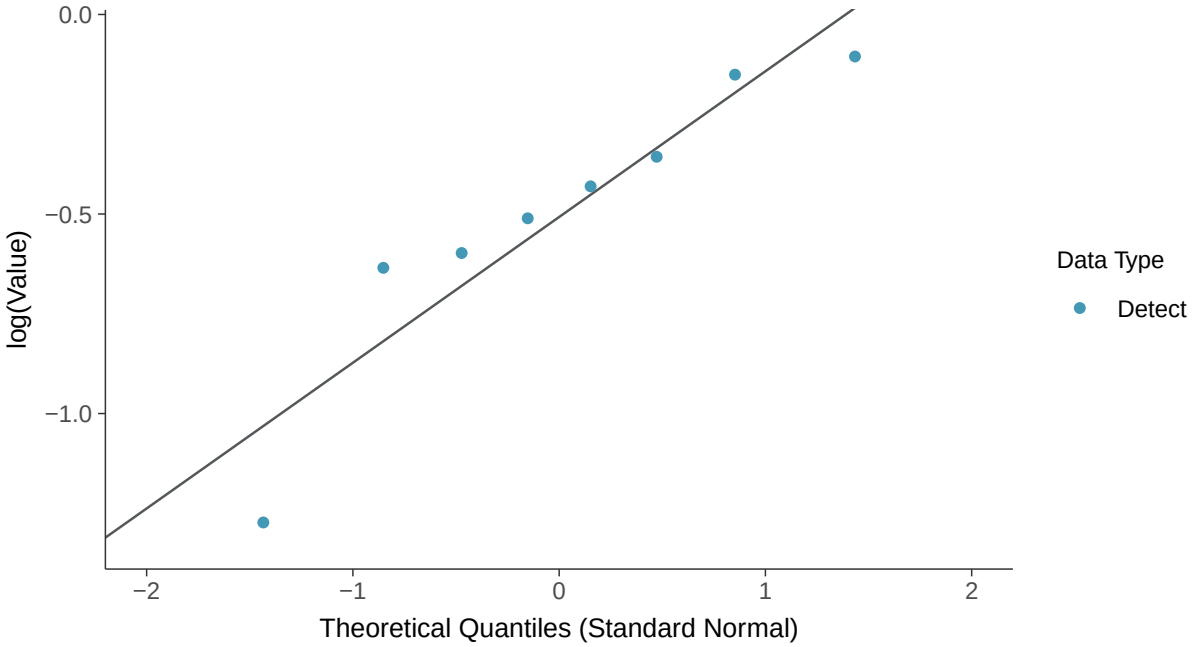
Normal Q-Q plot

Barium, MW-17 (mg/L)



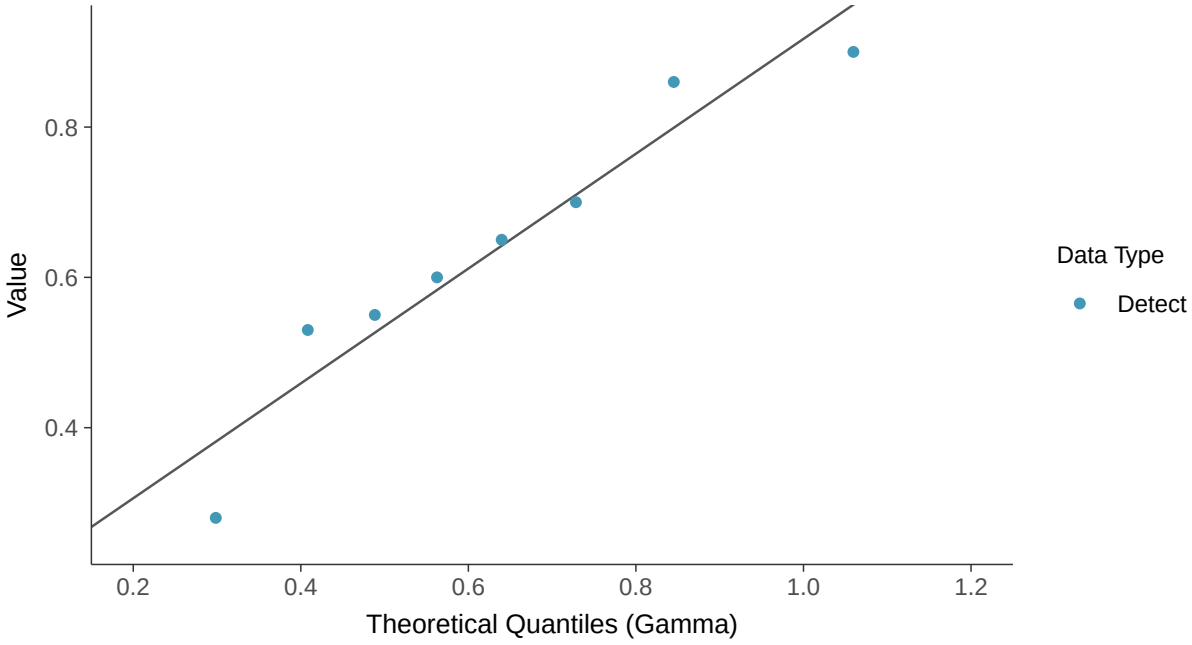
Lognormal Q-Q plot

Barium, MW-17 (mg/L)



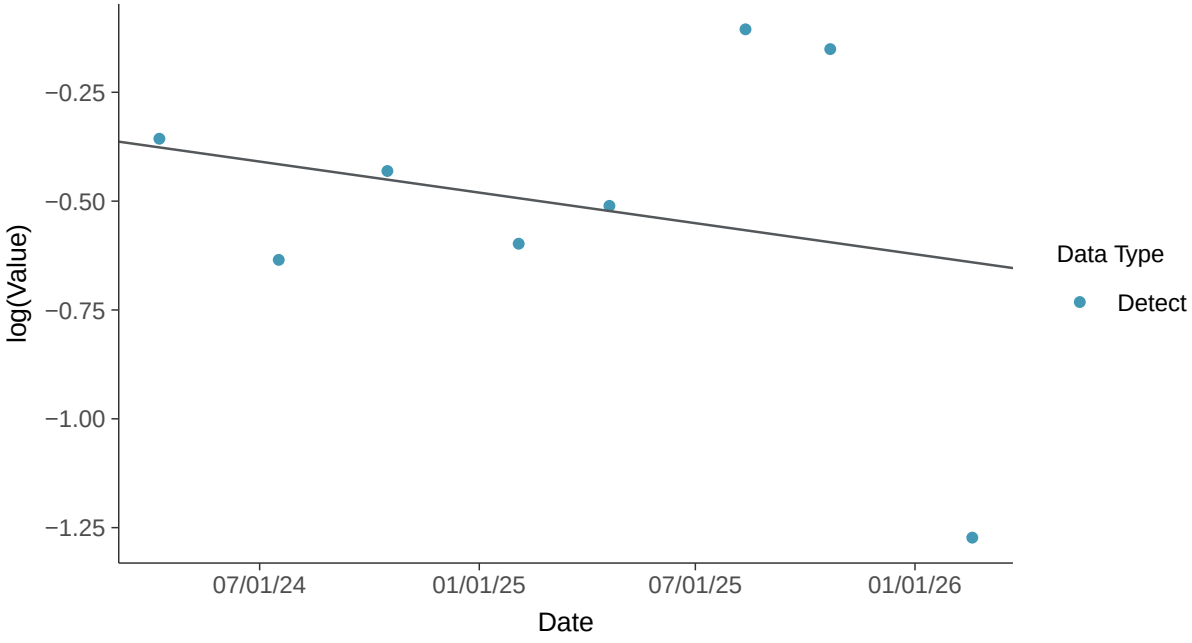
Gamma Q-Q plot

Barium, MW-17 (mg/L)



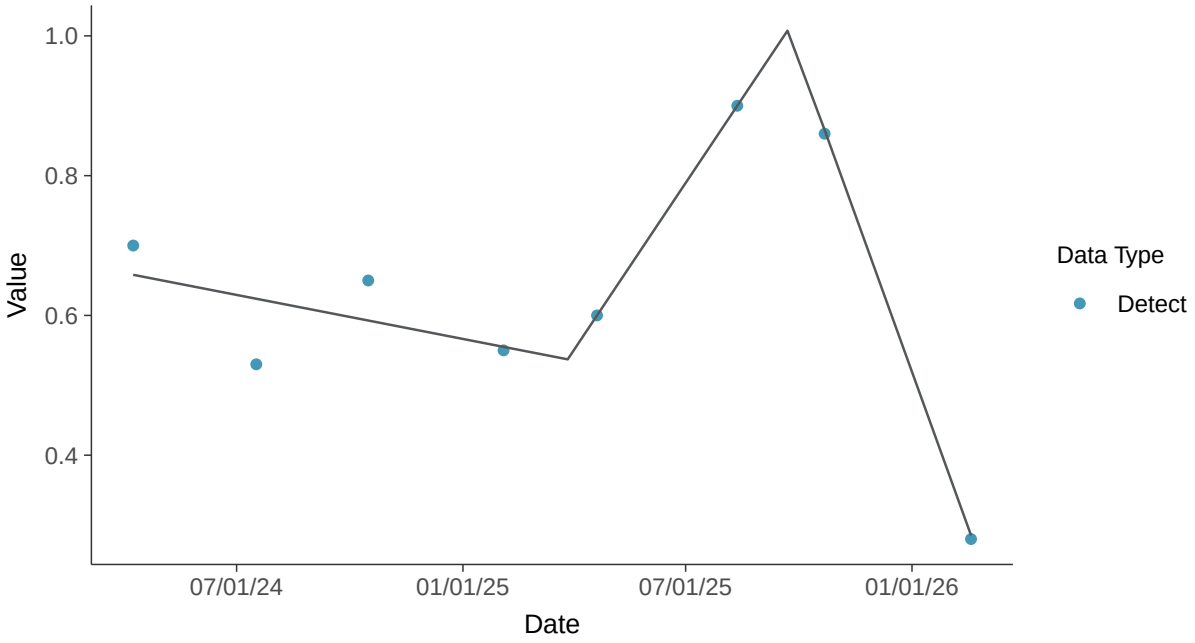
Trend Regression: Lognormal MLE

Barium, MW-17 (mg/L)



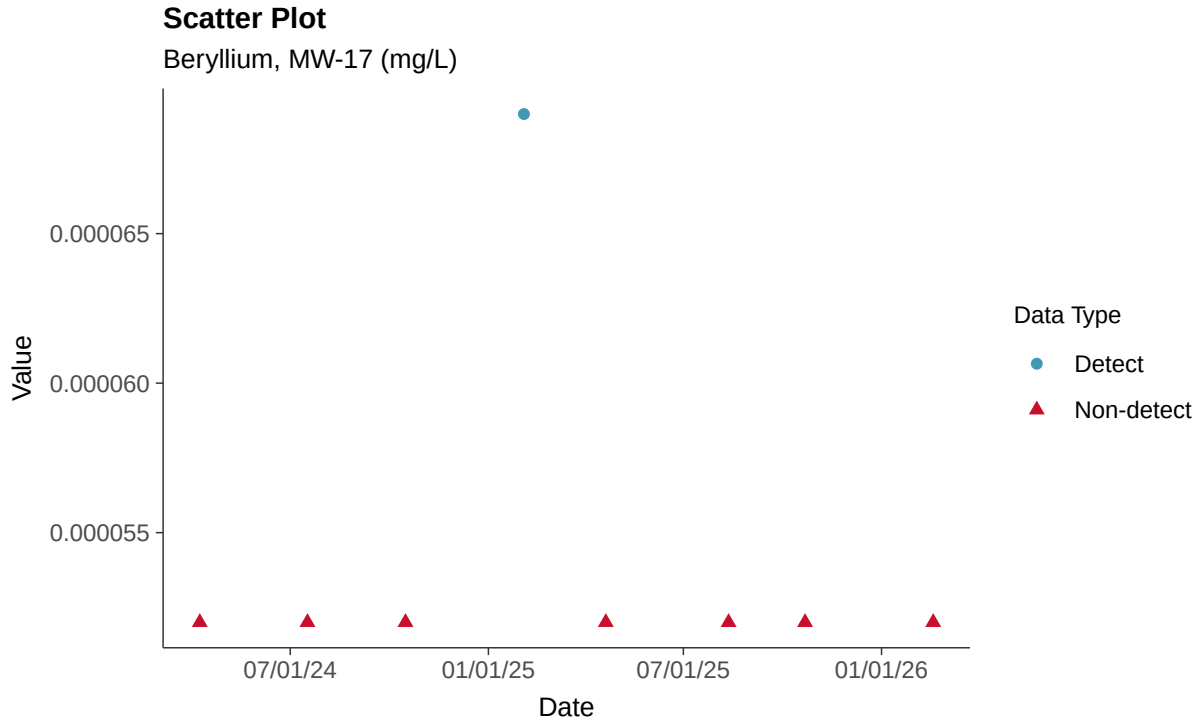
Trend Regression: Piecewise Linear-Linear-Linear

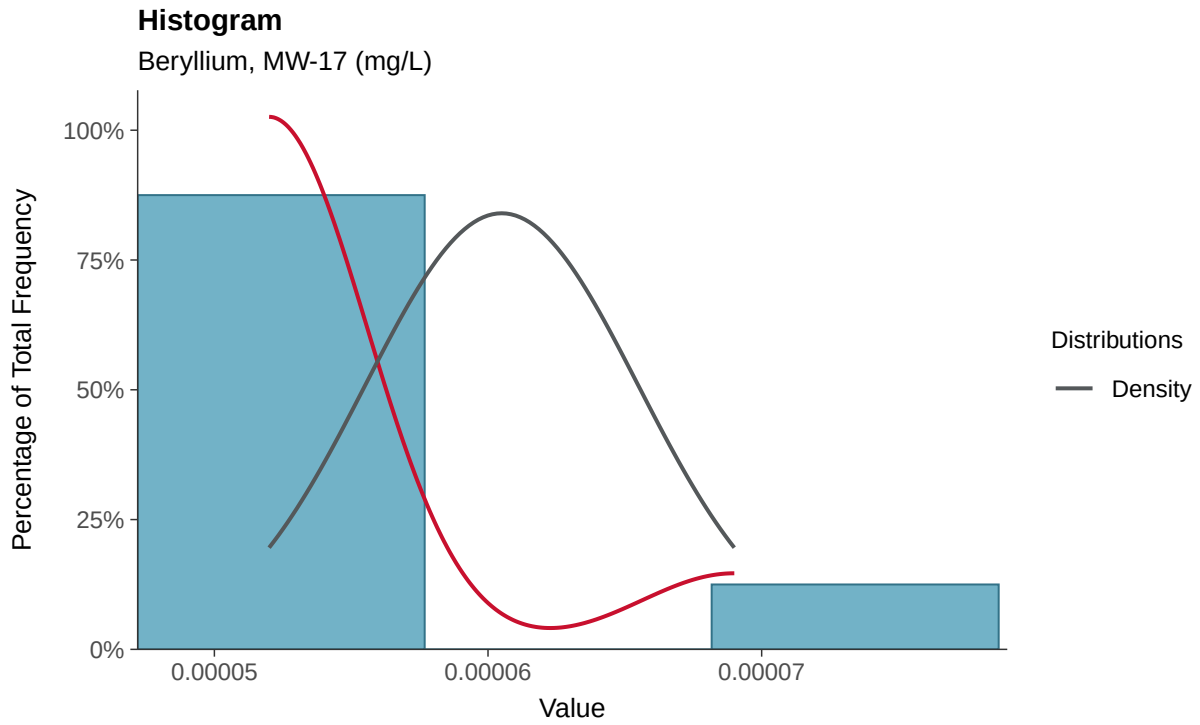
Barium, MW-17 (mg/L)



Appendix IV: Beryllium, MW-17

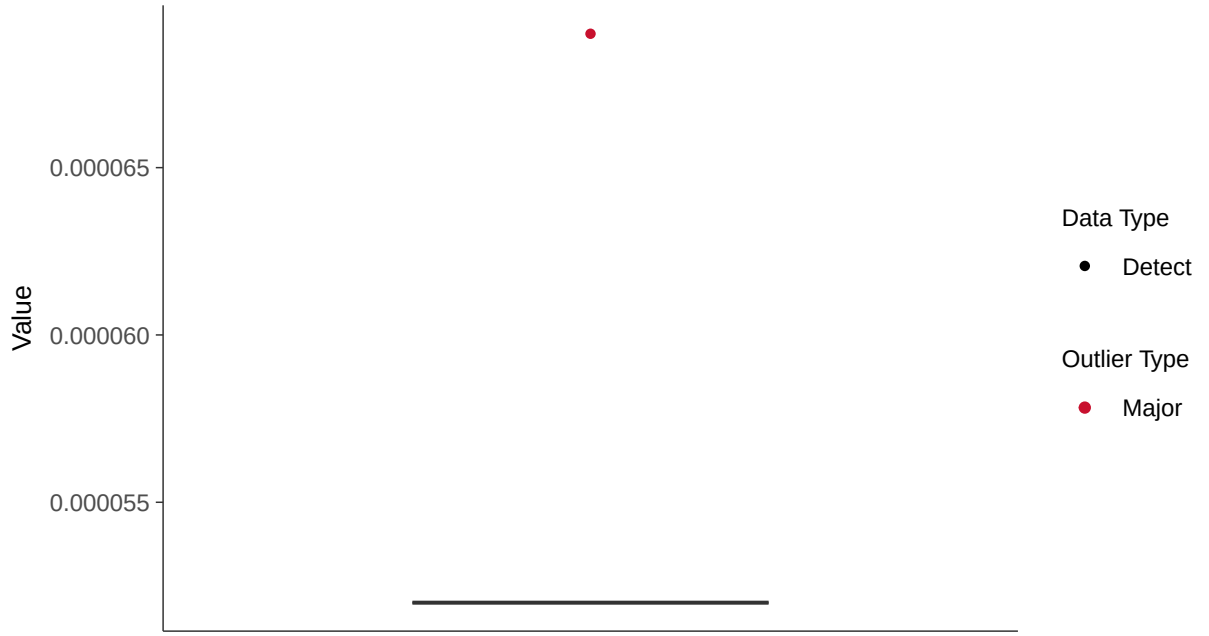
ID: 27_1_4_104





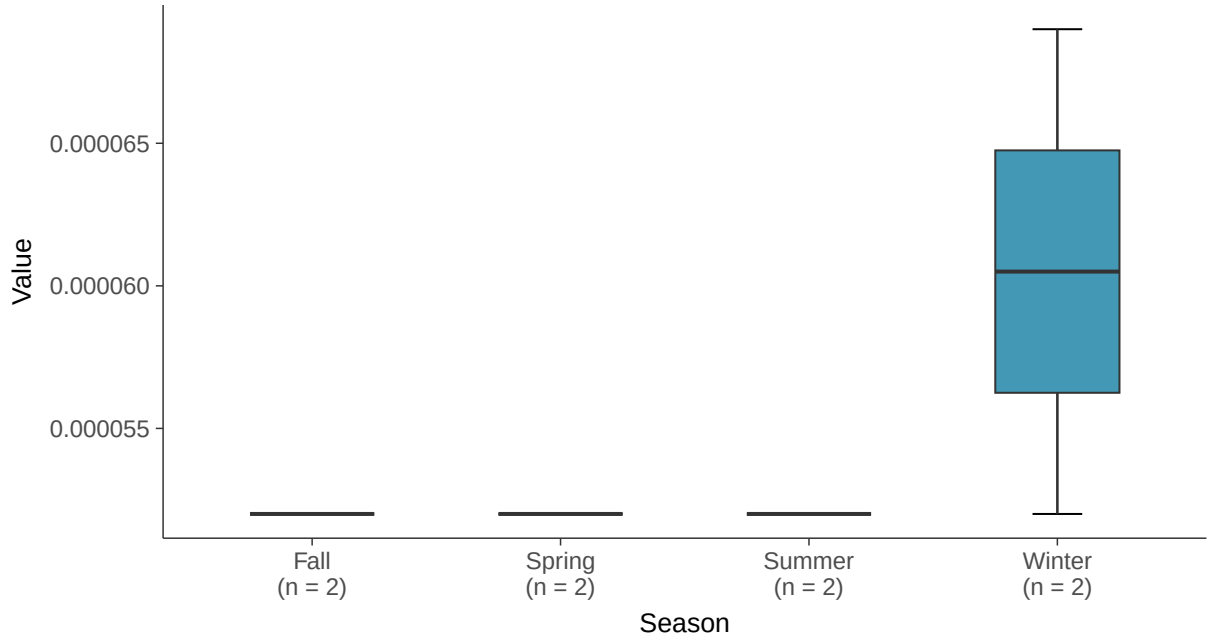
Boxplot

Beryllium, MW-17 (mg/L)



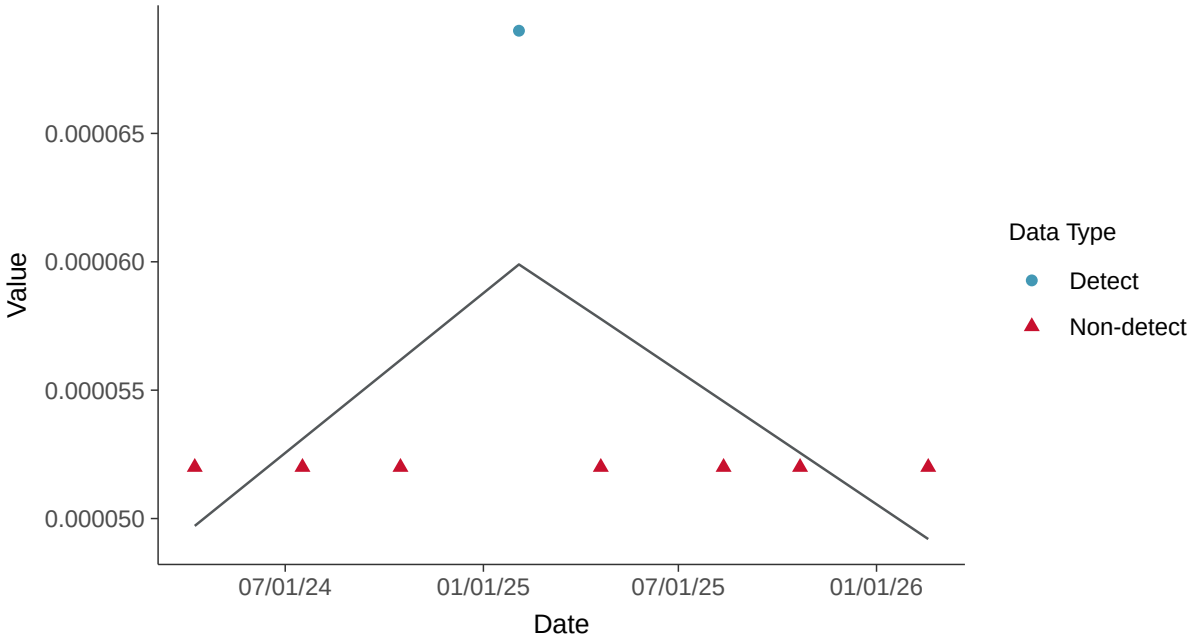
Boxplot by Season

Beryllium, MW-17 (mg/L)



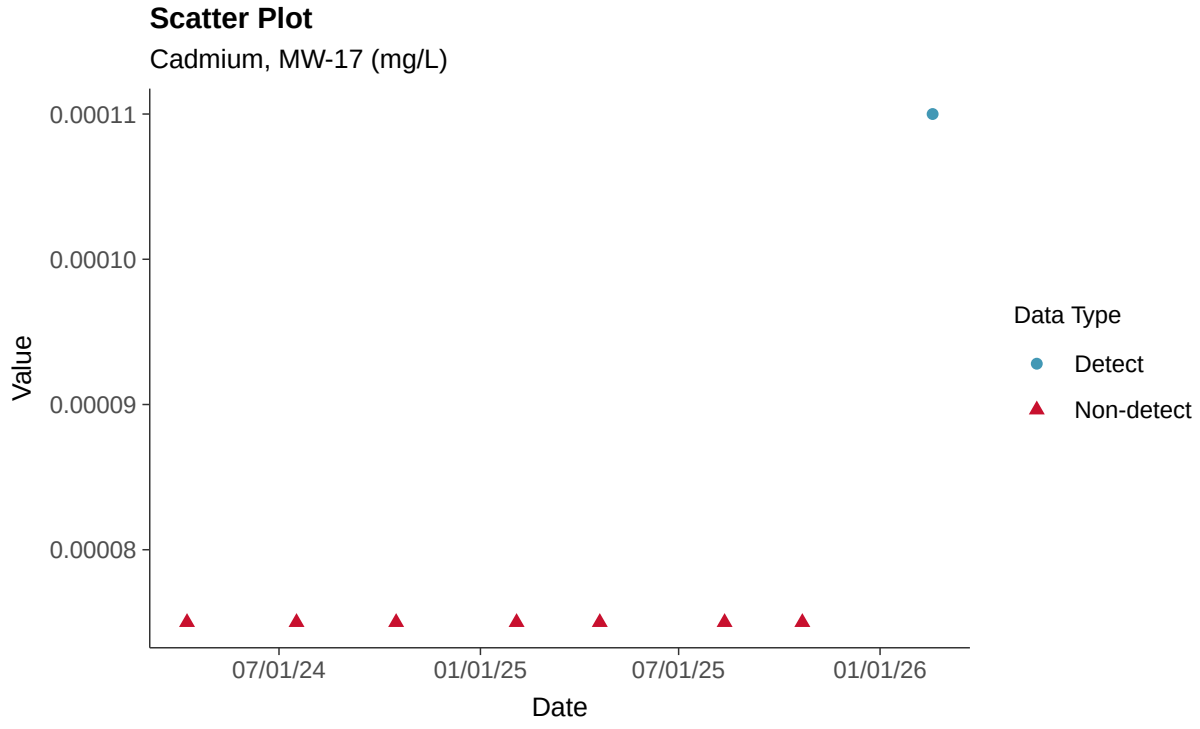
Trend Regression: Piecewise Linear-Linear

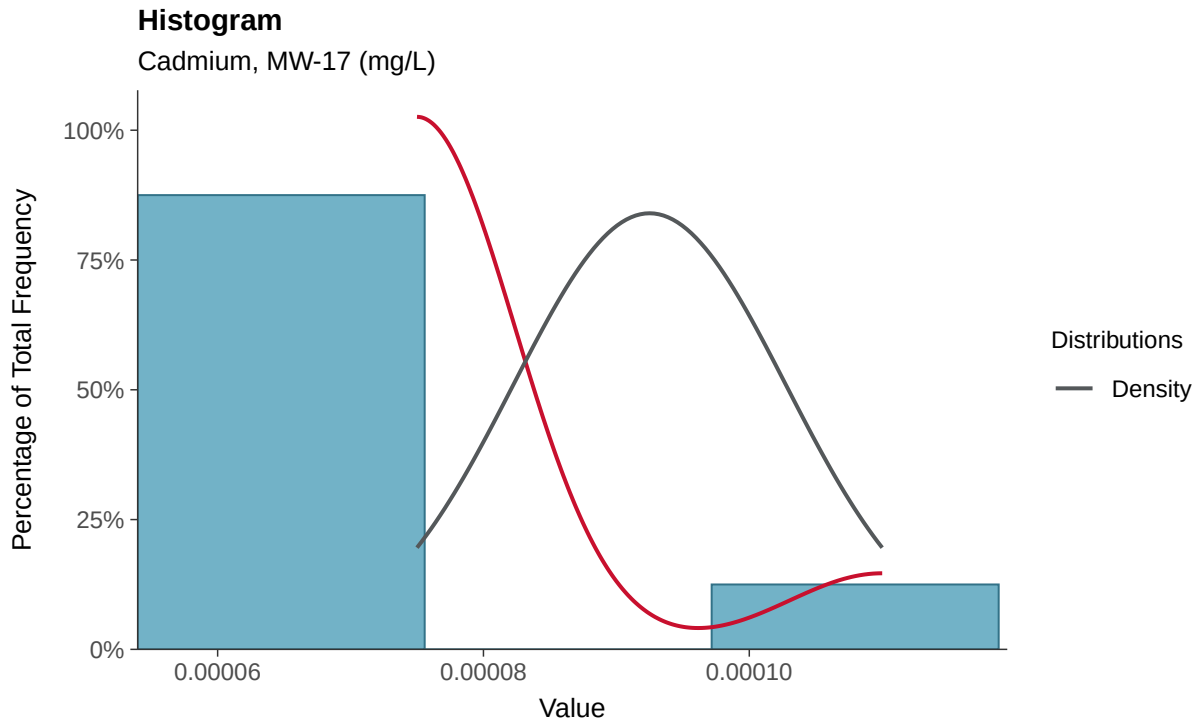
Beryllium, MW-17 (mg/L)



Appendix IV: Cadmium, MW-17

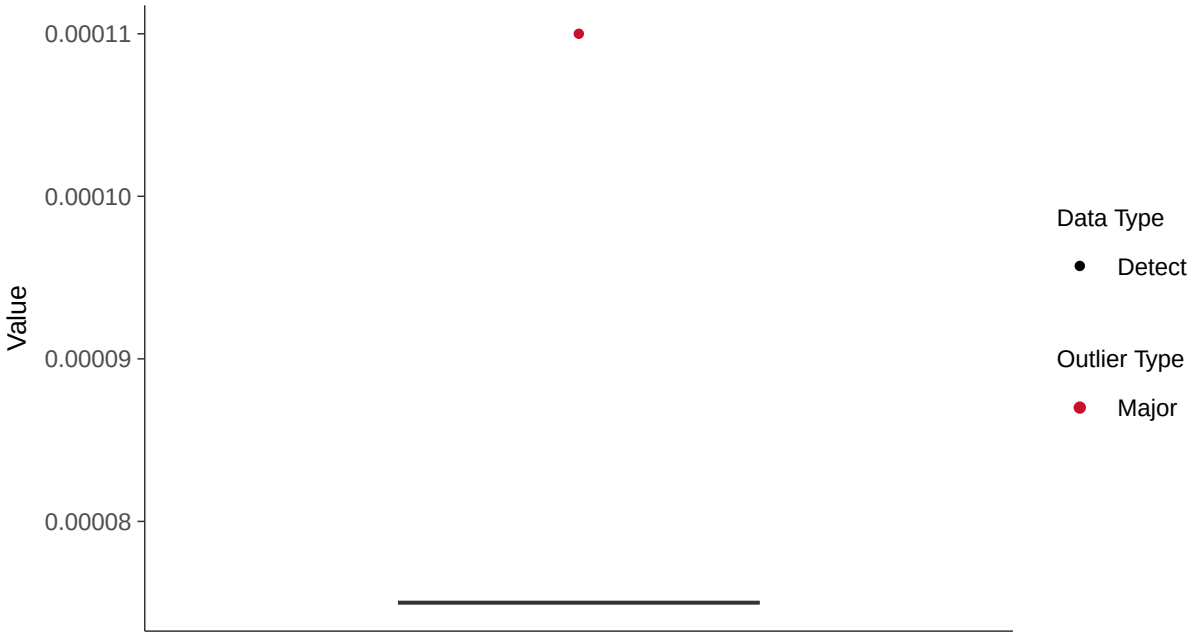
ID: 27_1_4_106





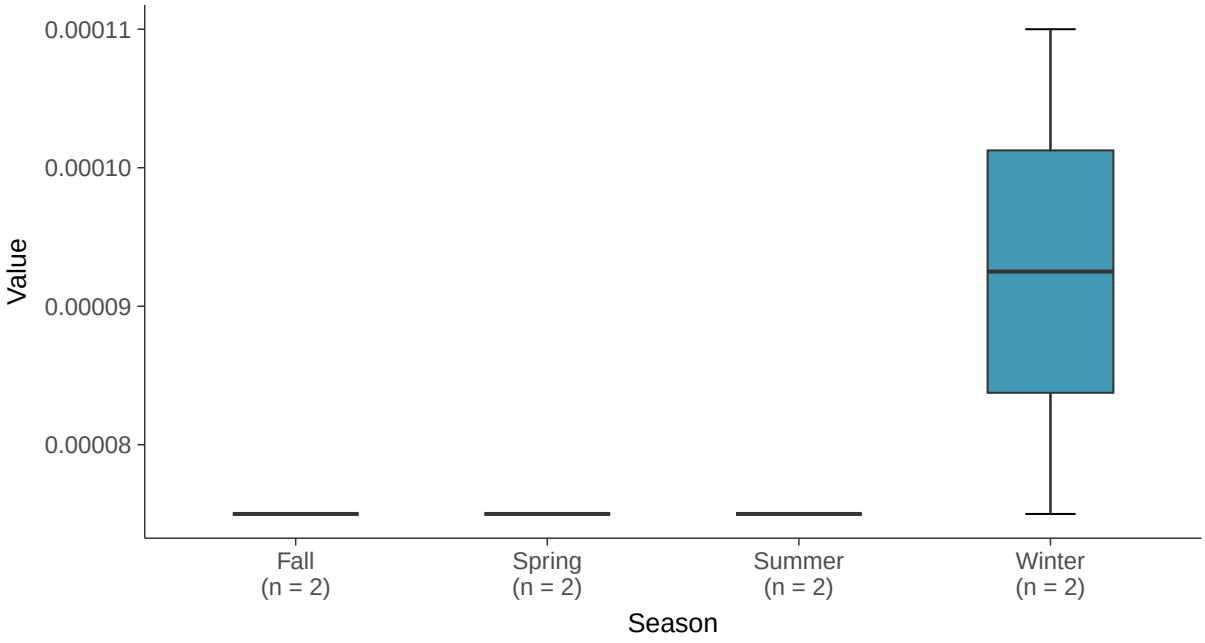
Boxplot

Cadmium, MW-17 (mg/L)



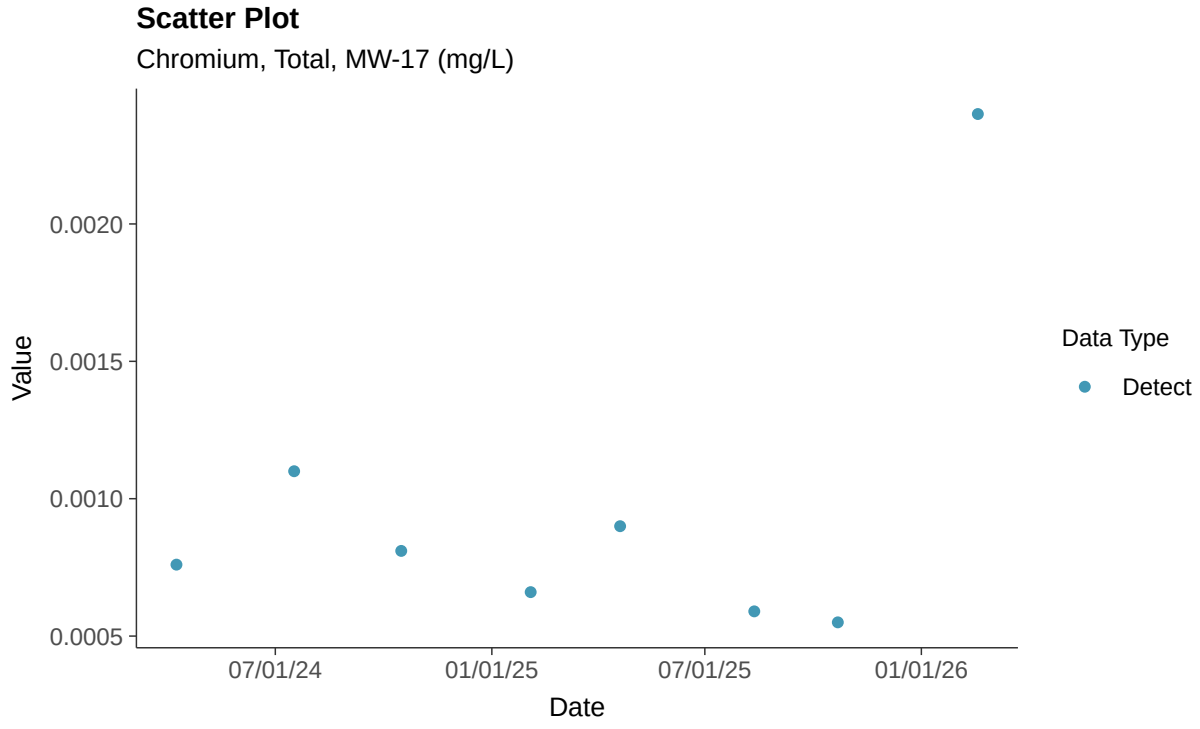
Boxplot by Season

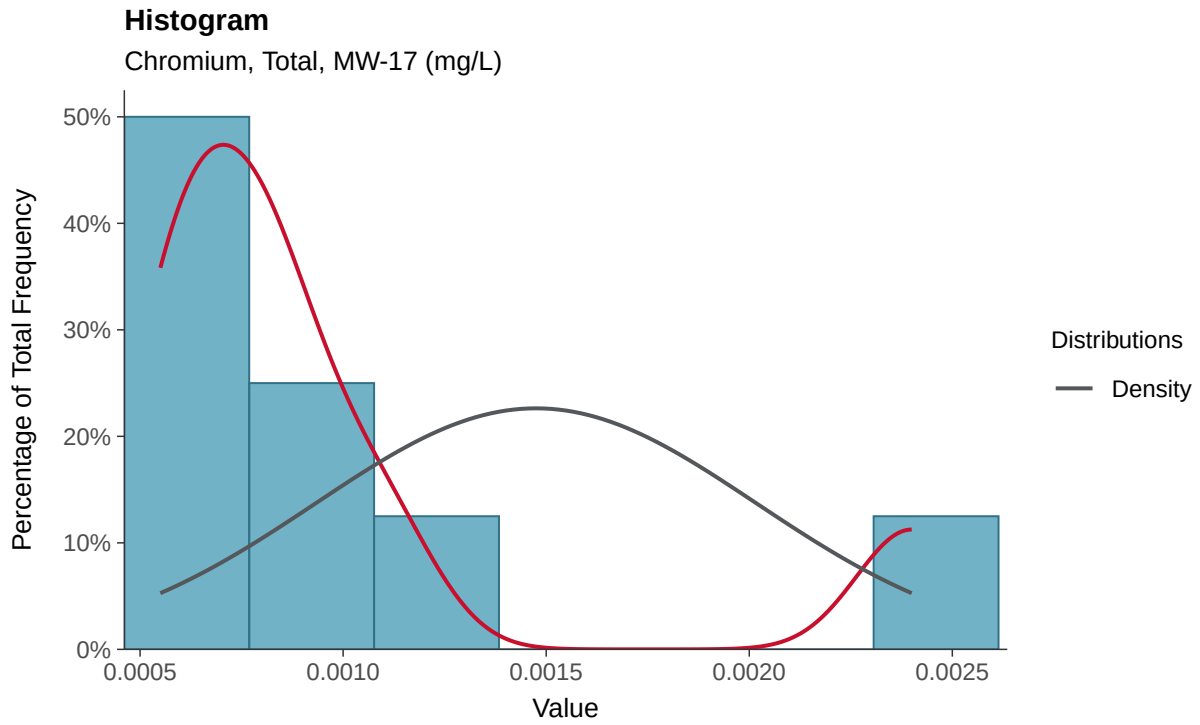
Cadmium, MW-17 (mg/L)



Appendix IV: Chromium, Total, MW-17

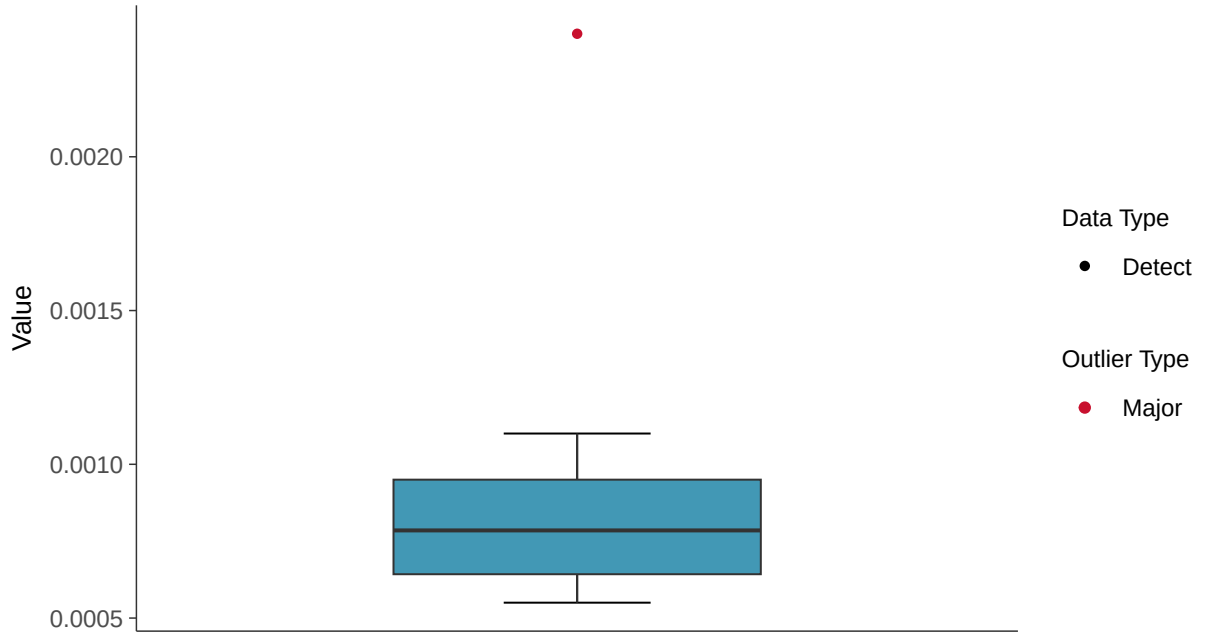
ID: 27_1_4_109





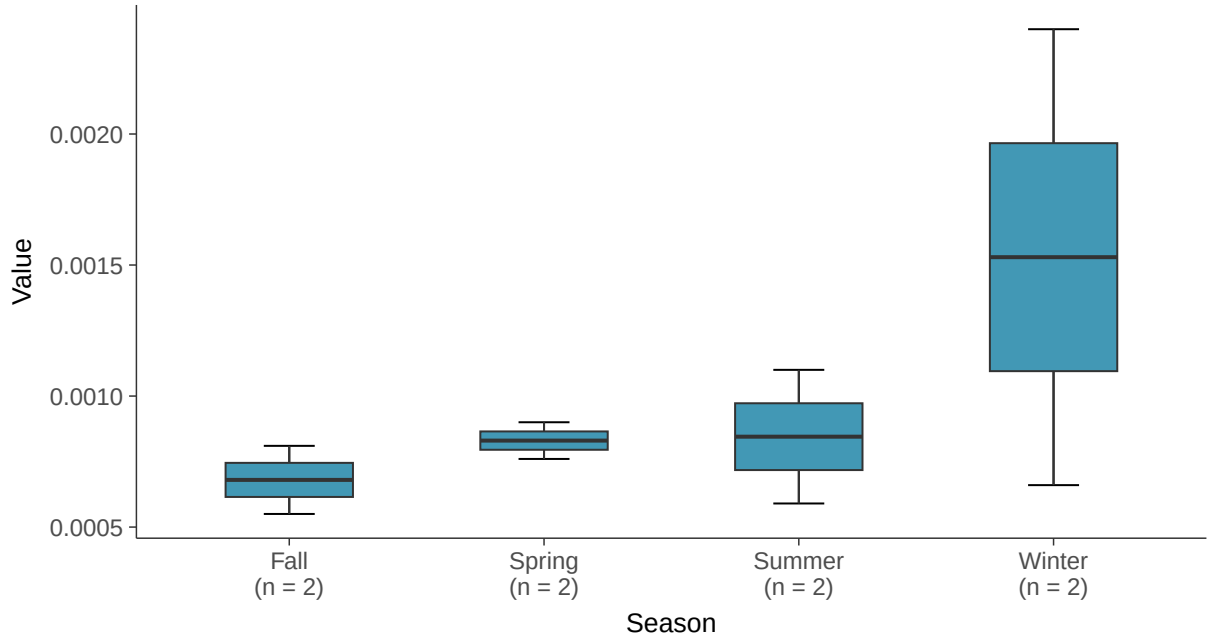
Boxplot

Chromium, Total, MW-17 (mg/L)



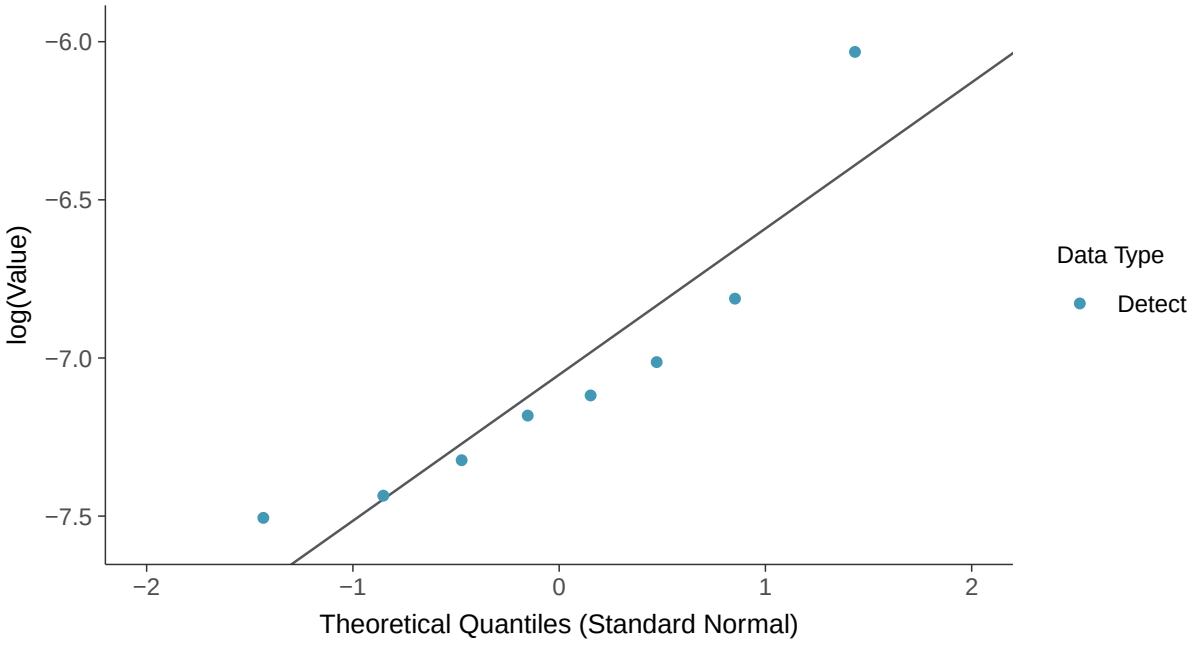
Boxplot by Season

Chromium, Total, MW-17 (mg/L)



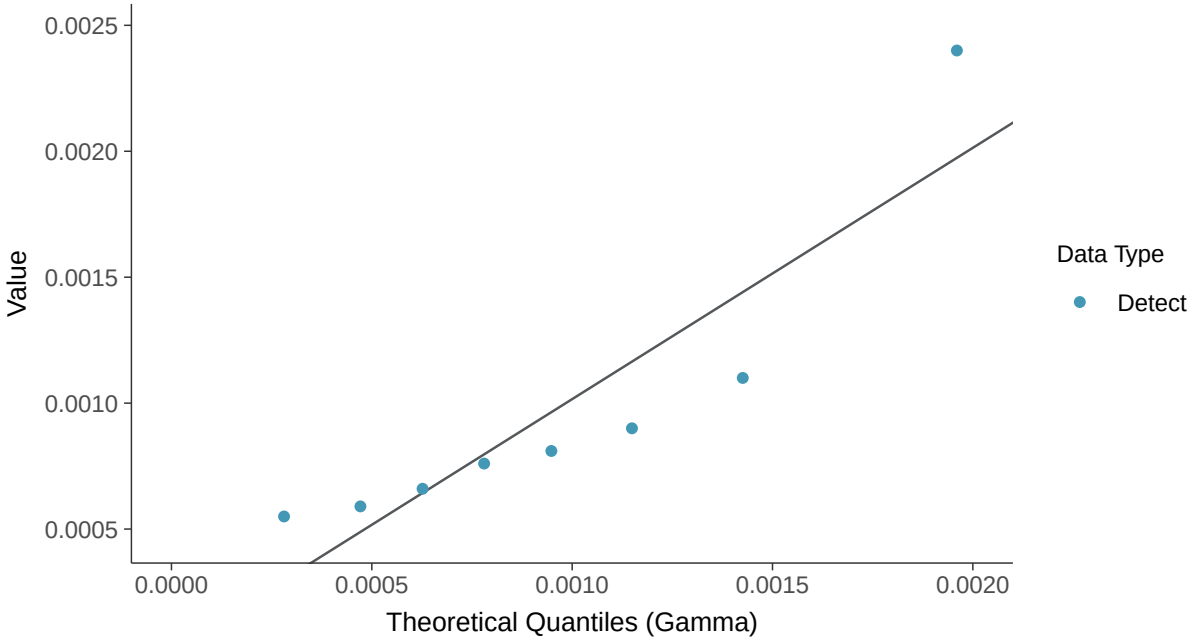
Lognormal Q-Q plot

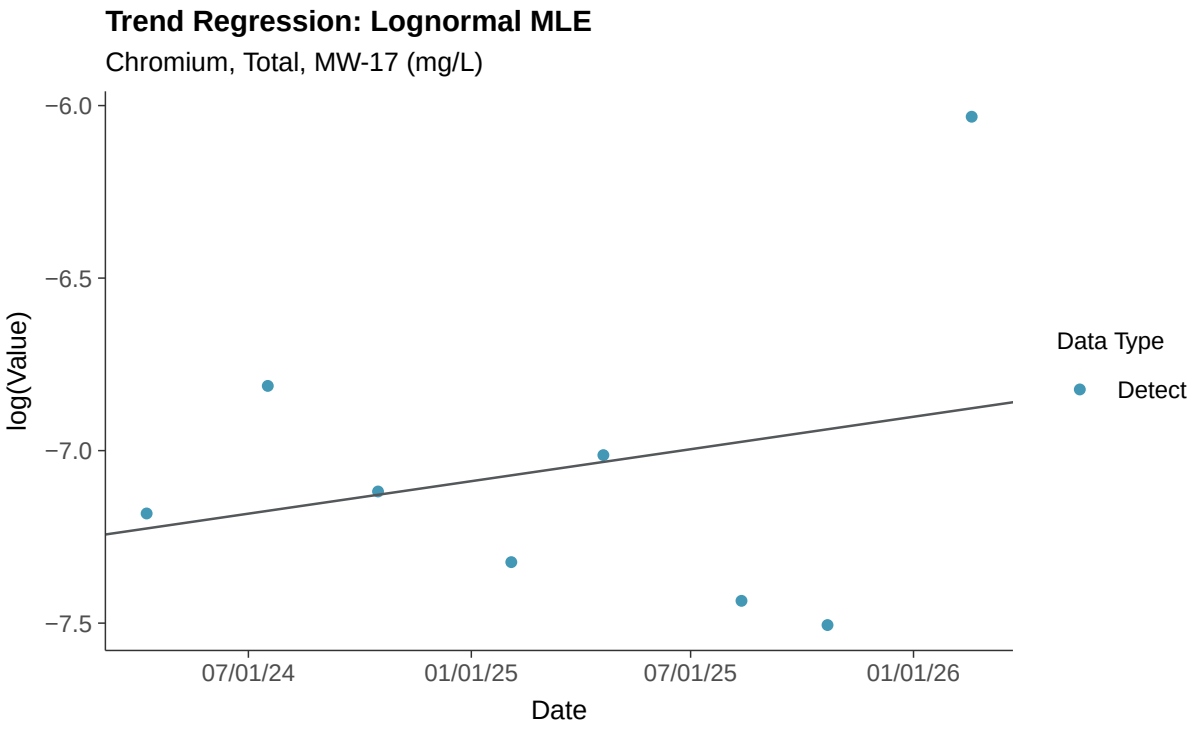
Chromium, Total, MW-17 (mg/L)



Gamma Q-Q plot

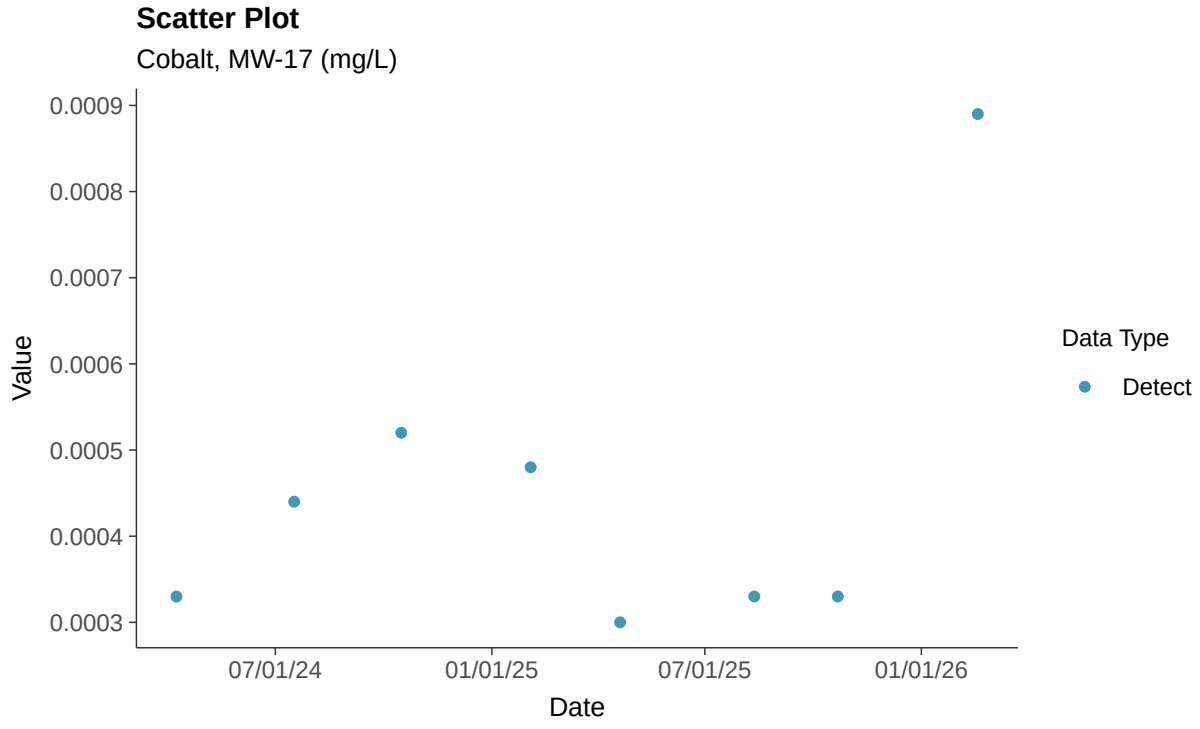
Chromium, Total, MW-17 (mg/L)

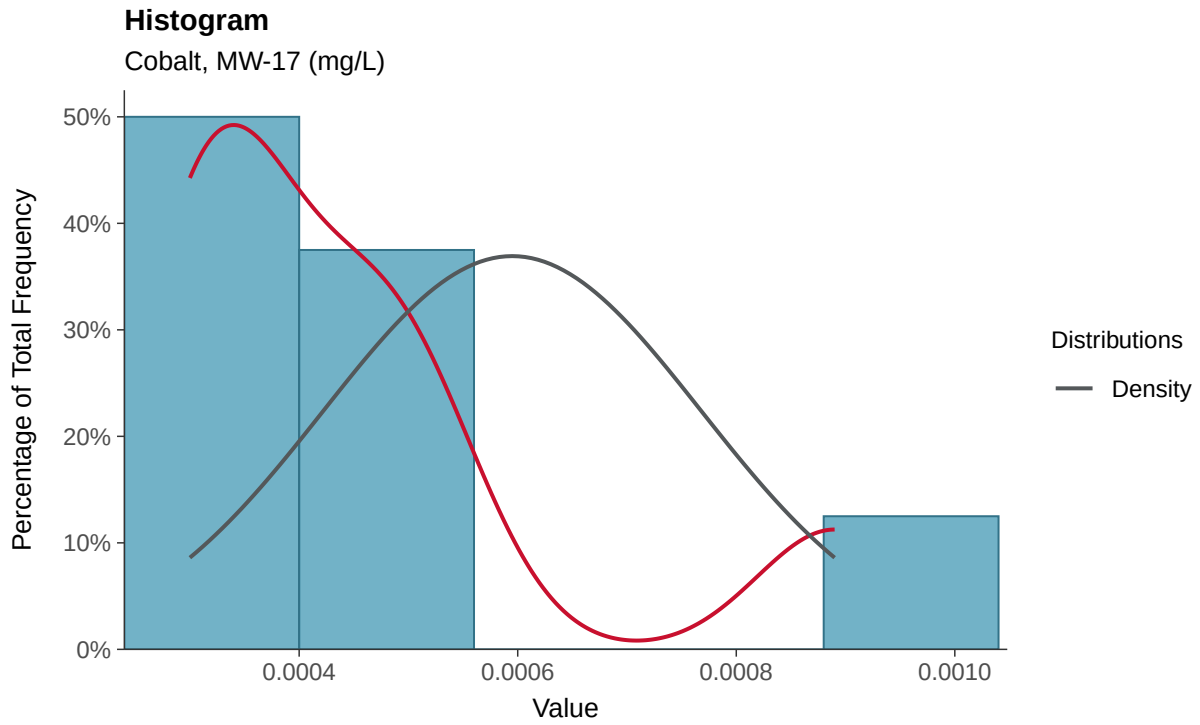



Trend Regression: Lognormal MLE
Chromium, Total, MW-17 (mg/L)
−6.0
−6.5
−7.0
−7.5
log(Value)
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Cobalt, MW-17

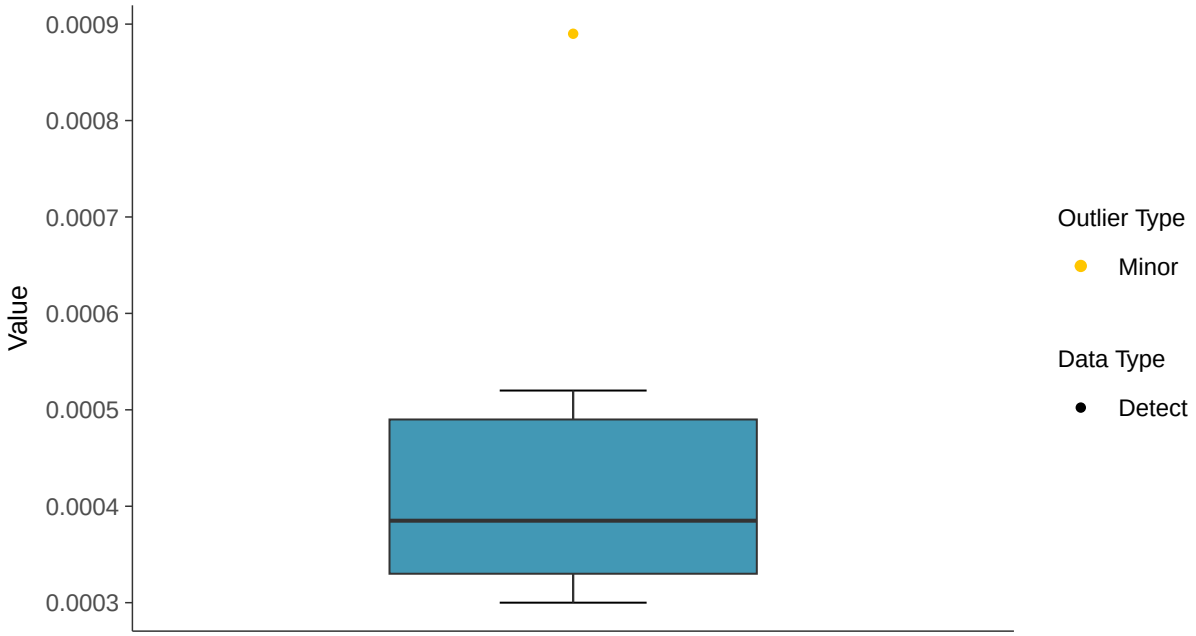
ID: 27_1_4_110





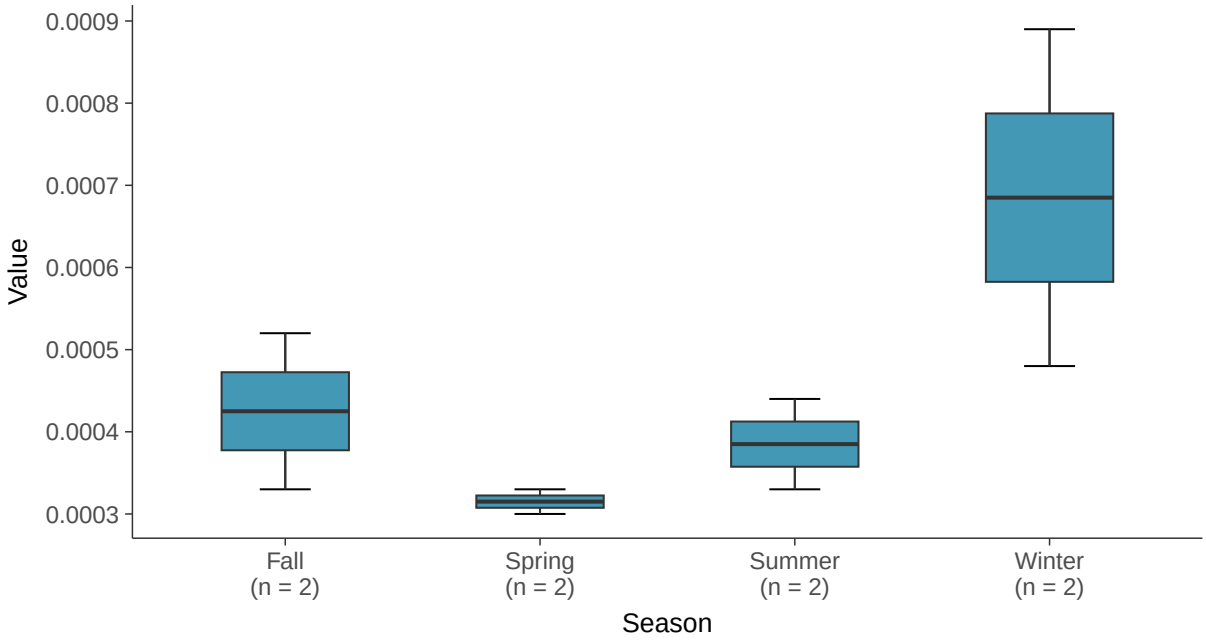
Boxplot

Cobalt, MW-17 (mg/L)



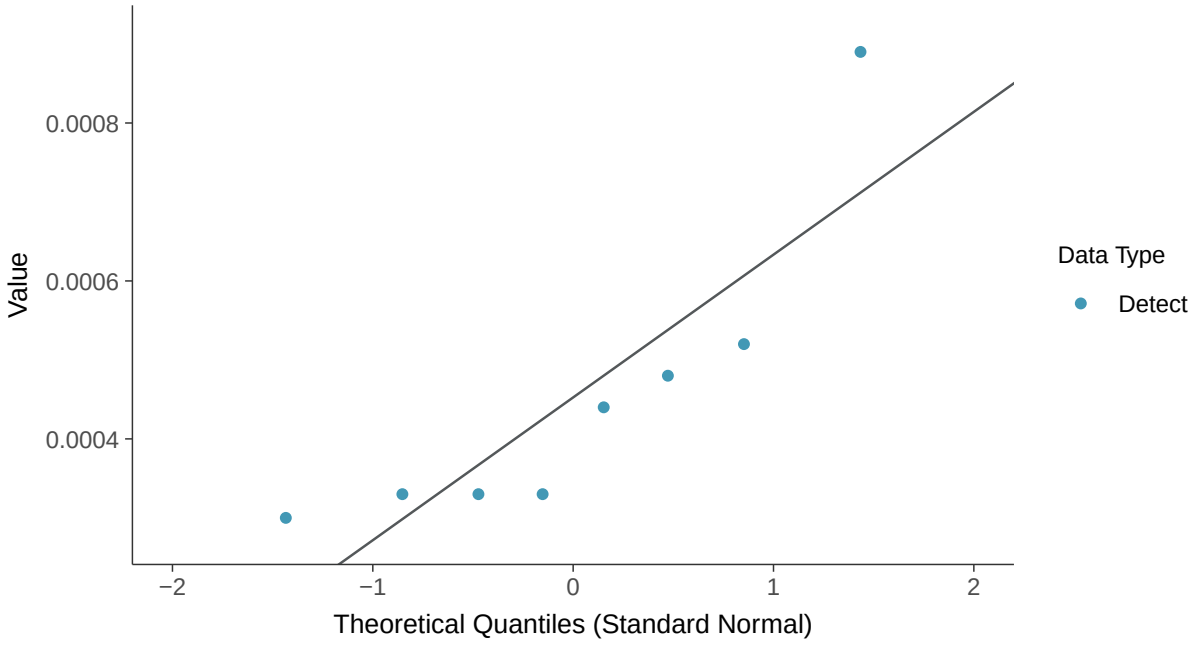
Boxplot by Season

Cobalt, MW-17 (mg/L)



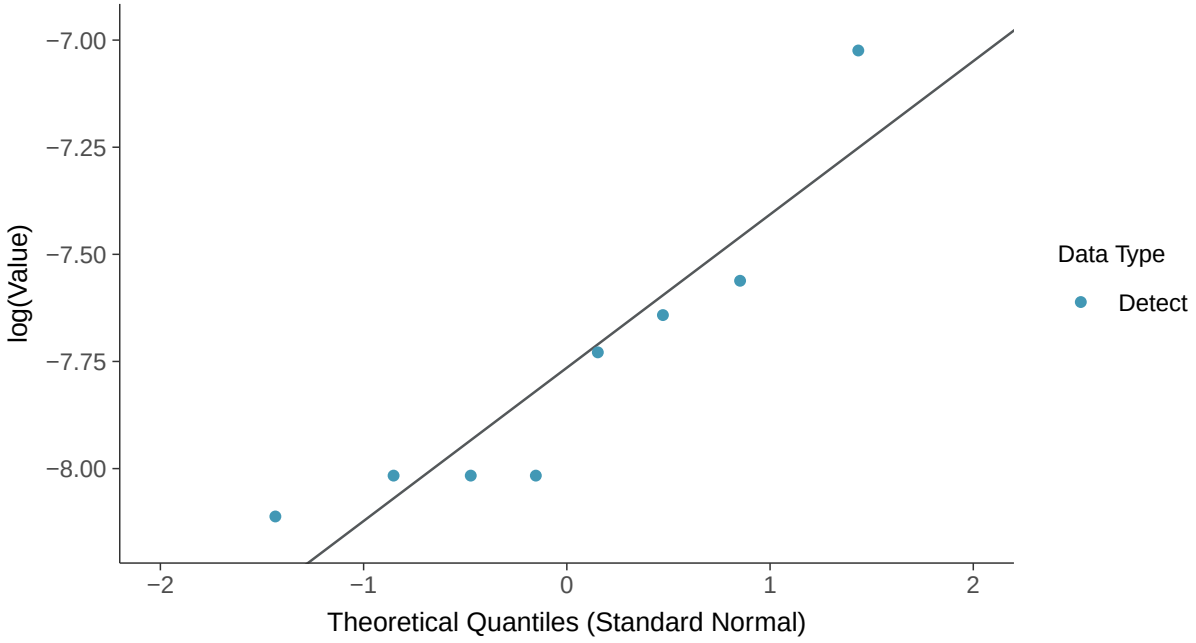
Normal Q-Q plot

Cobalt, MW-17 (mg/L)



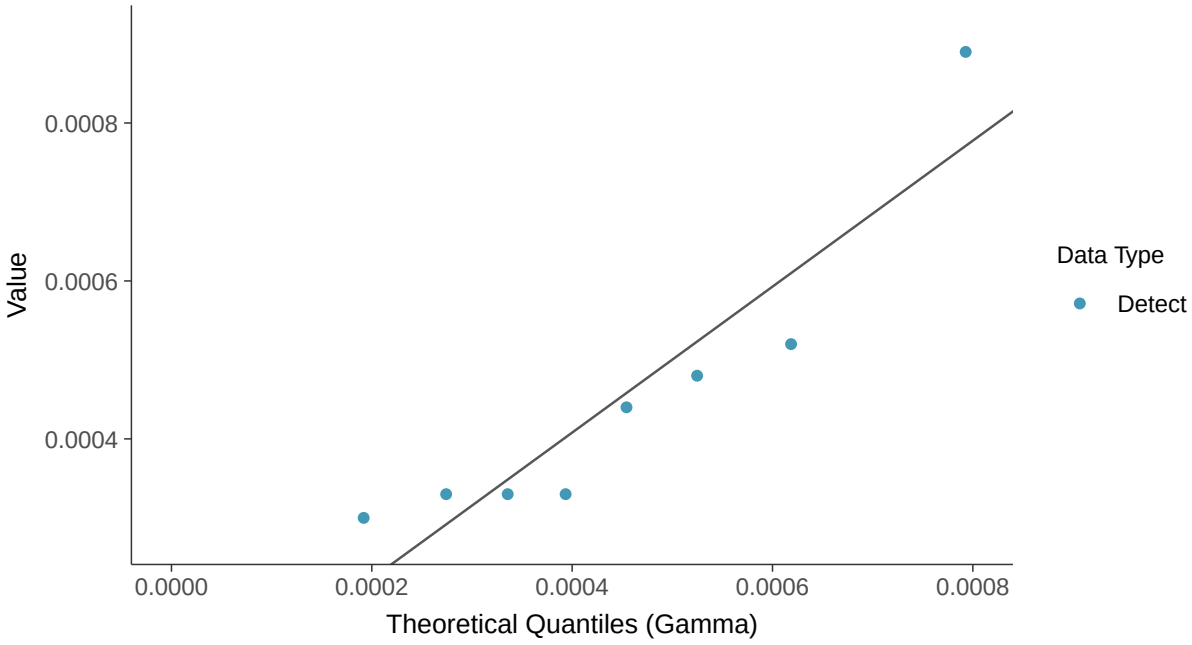
Lognormal Q-Q plot

Cobalt, MW-17 (mg/L)



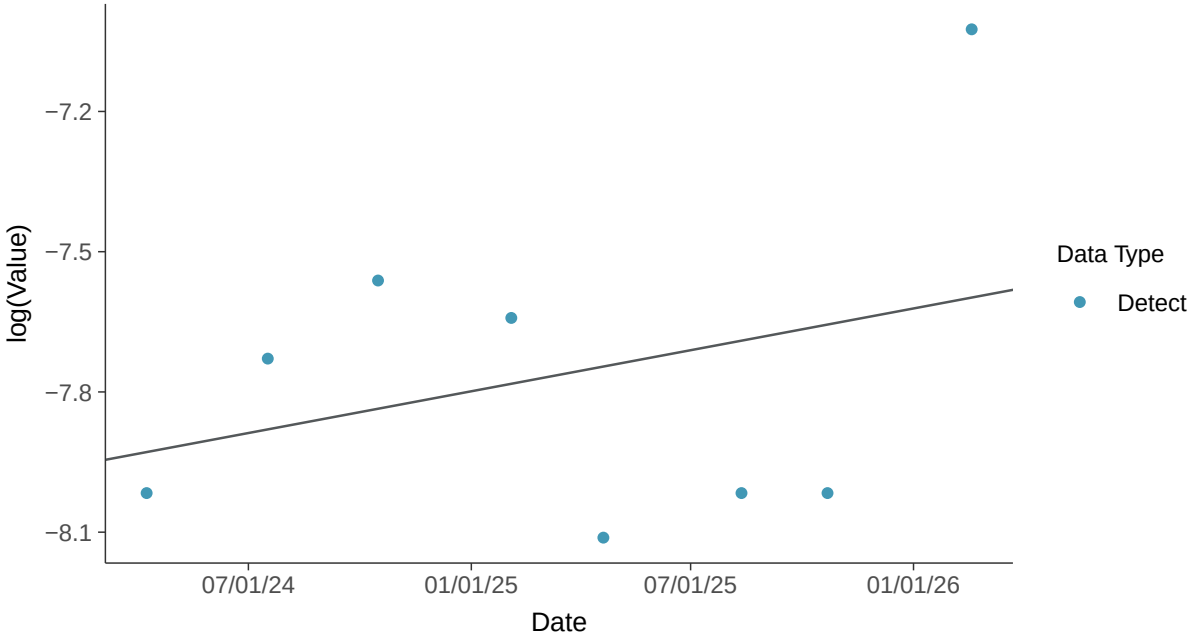
Gamma Q-Q plot

Cobalt, MW-17 (mg/L)



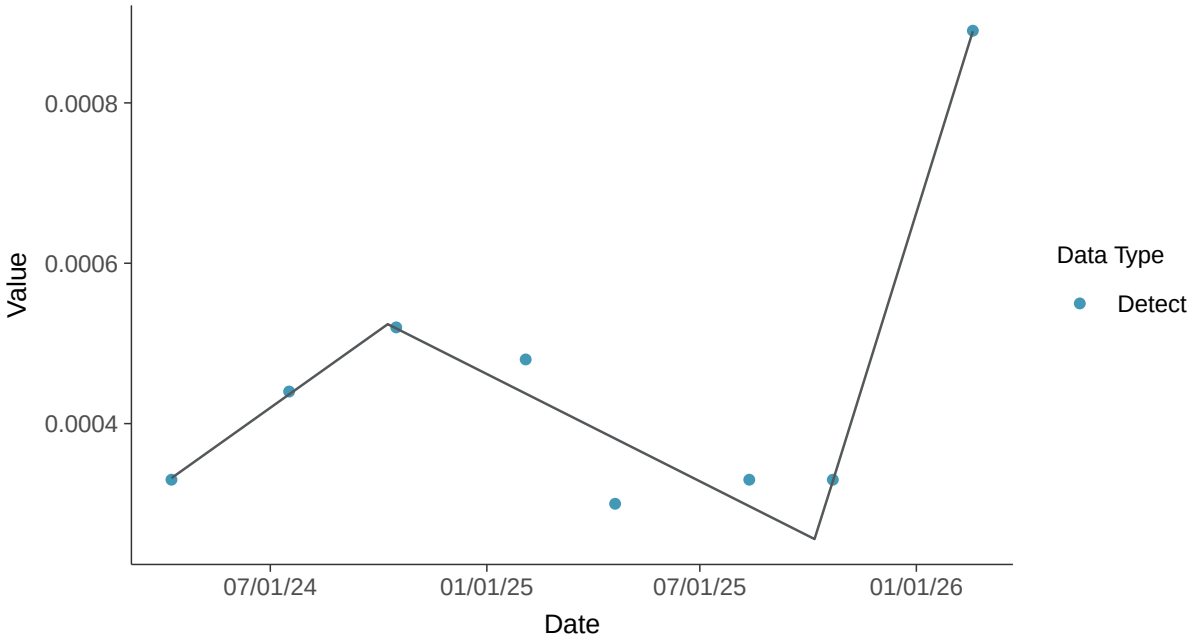
Trend Regression: Lognormal MLE

Cobalt, MW-17 (mg/L)



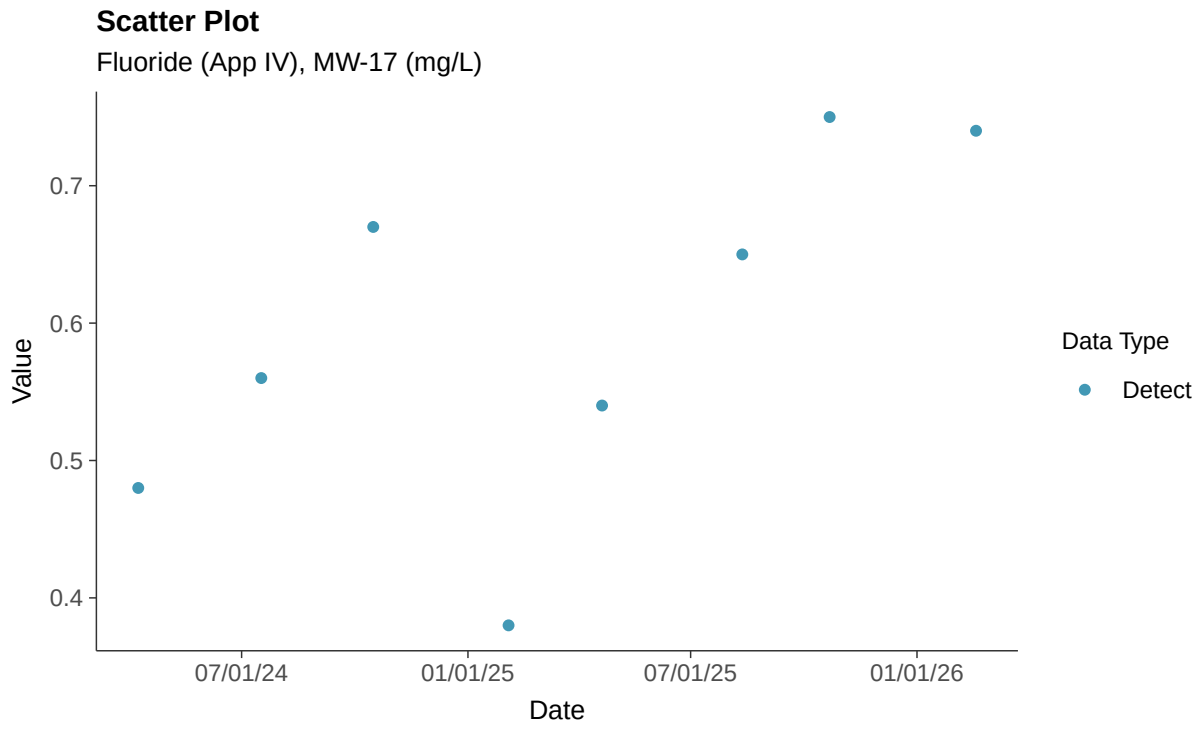
Trend Regression: Piecewise Linear-Linear-Linear

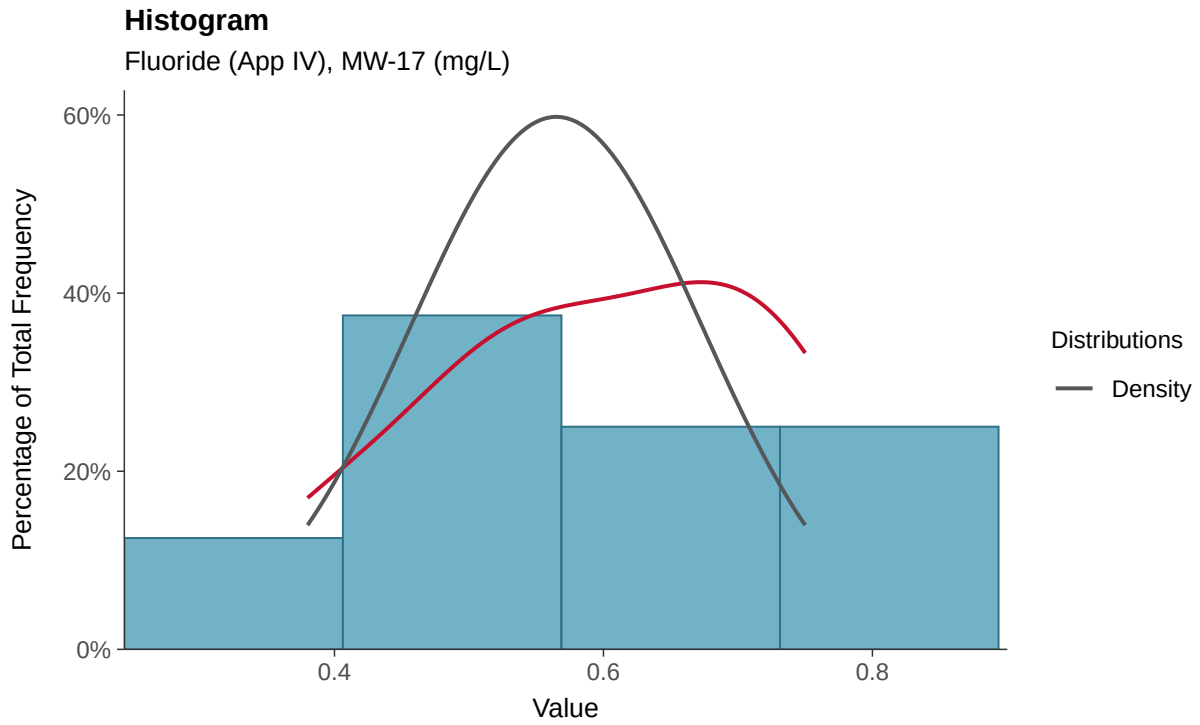
Cobalt, MW-17 (mg/L)



Appendix IV: Fluoride (App IV), MW-17

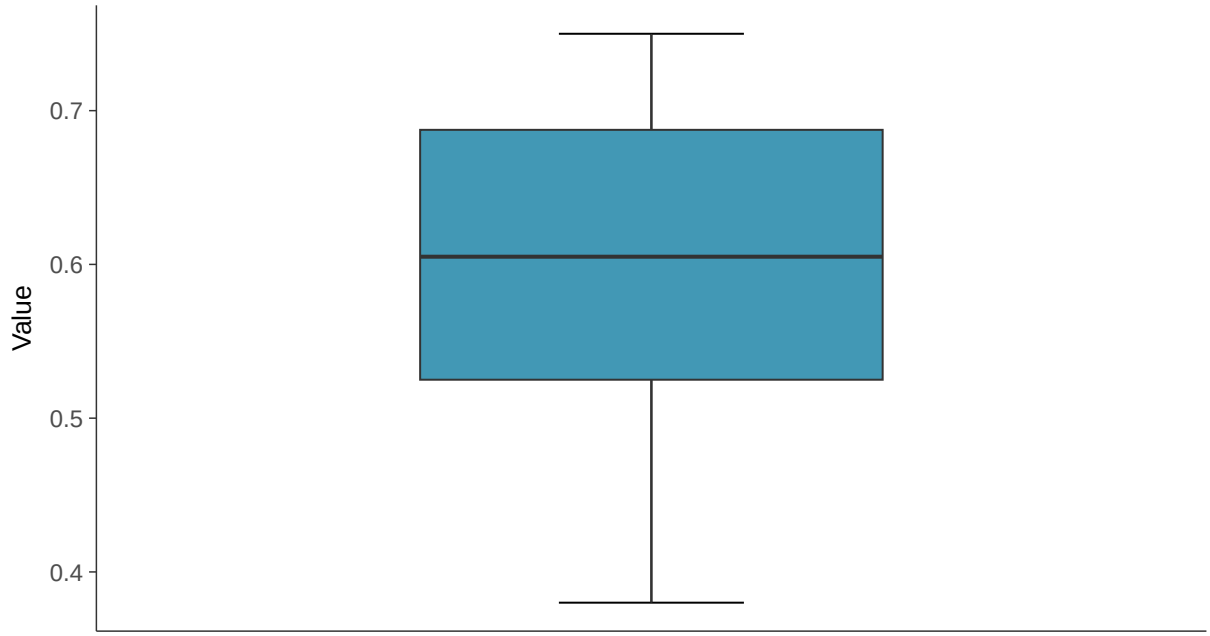
ID: 27_1_4_113





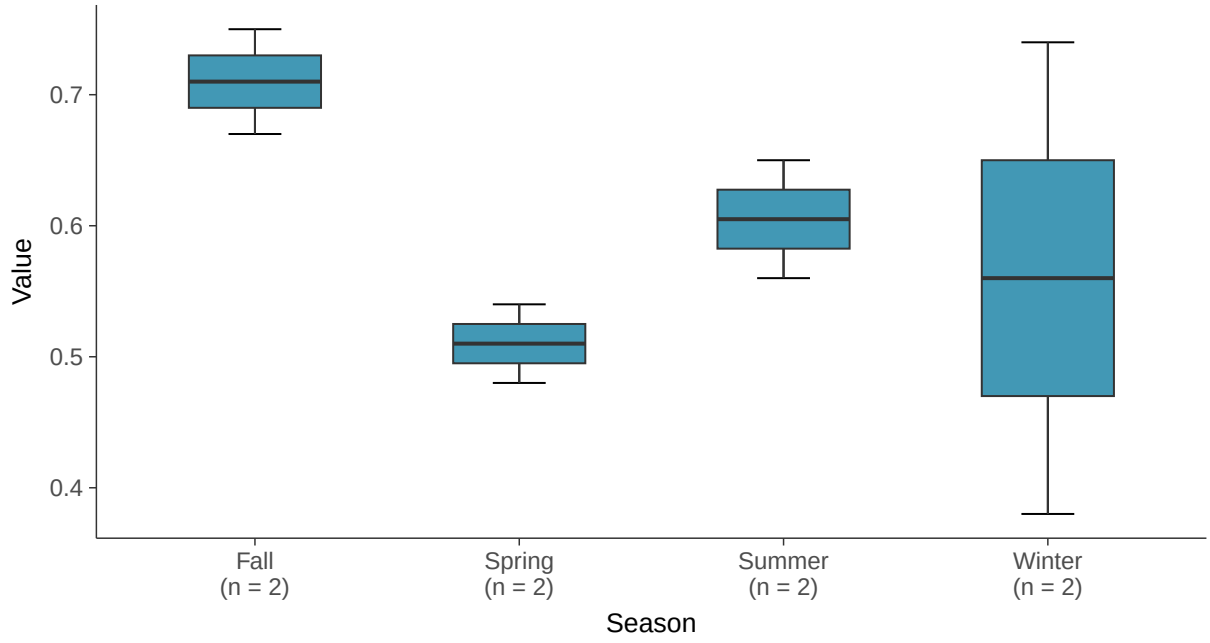
Boxplot

Fluoride (App IV), MW-17 (mg/L)



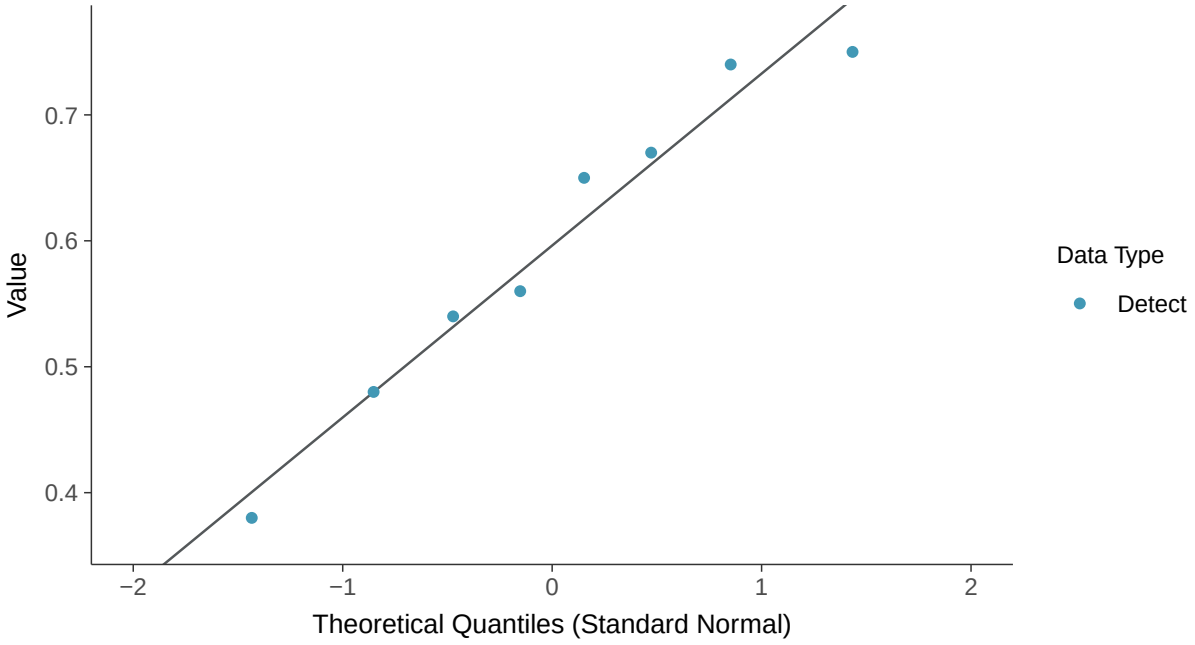
Boxplot by Season

Fluoride (App IV), MW-17 (mg/L)



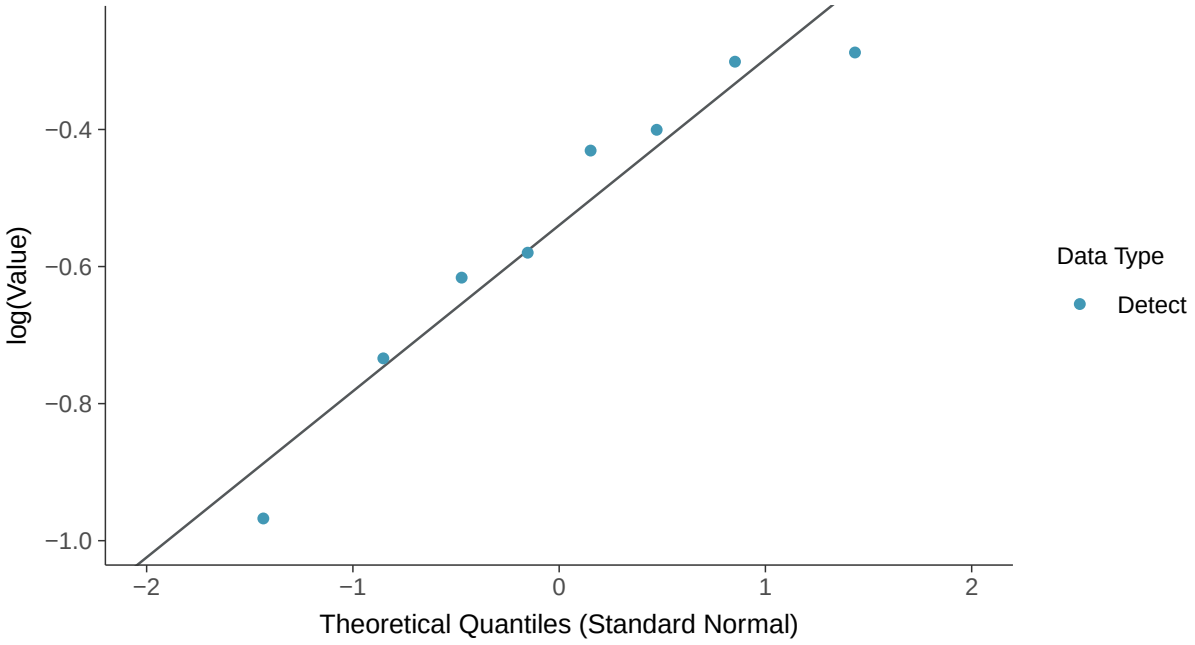
Normal Q-Q plot

Fluoride (App IV), MW-17 (mg/L)



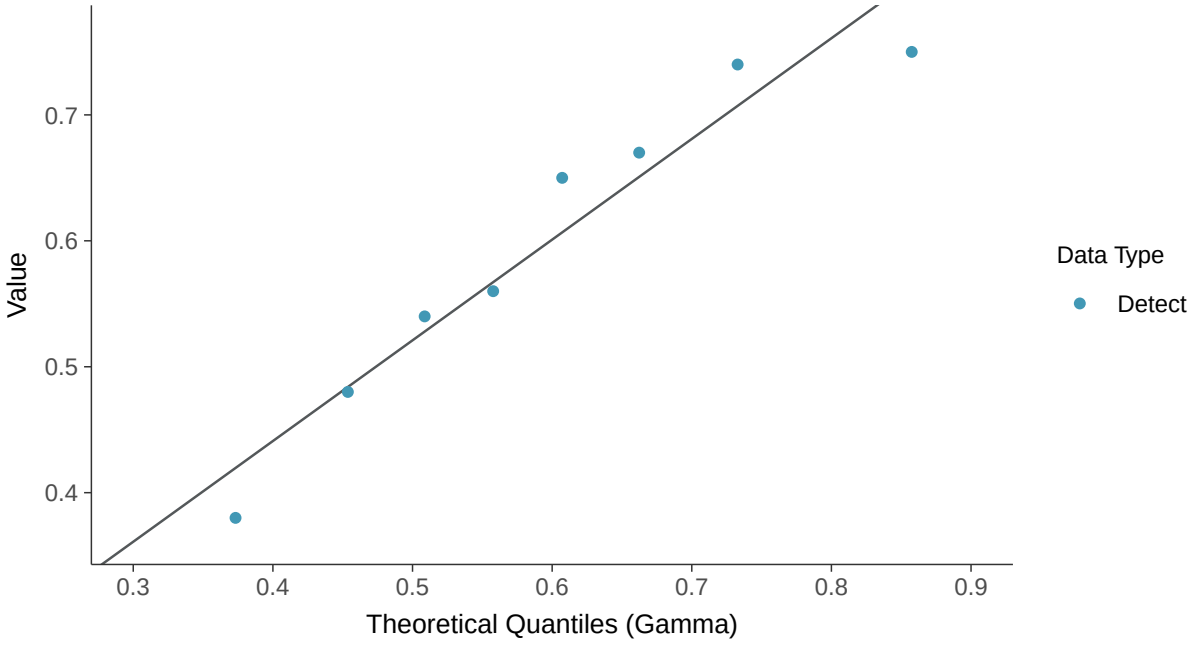
Lognormal Q-Q plot

Fluoride (App IV), MW-17 (mg/L)



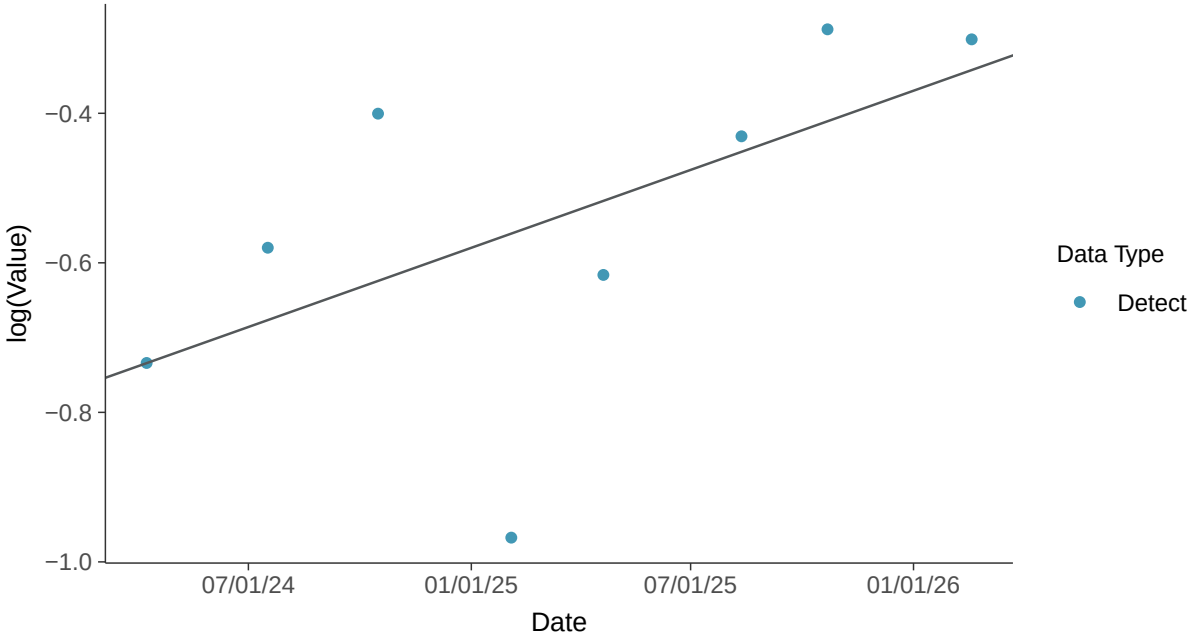
Gamma Q-Q plot

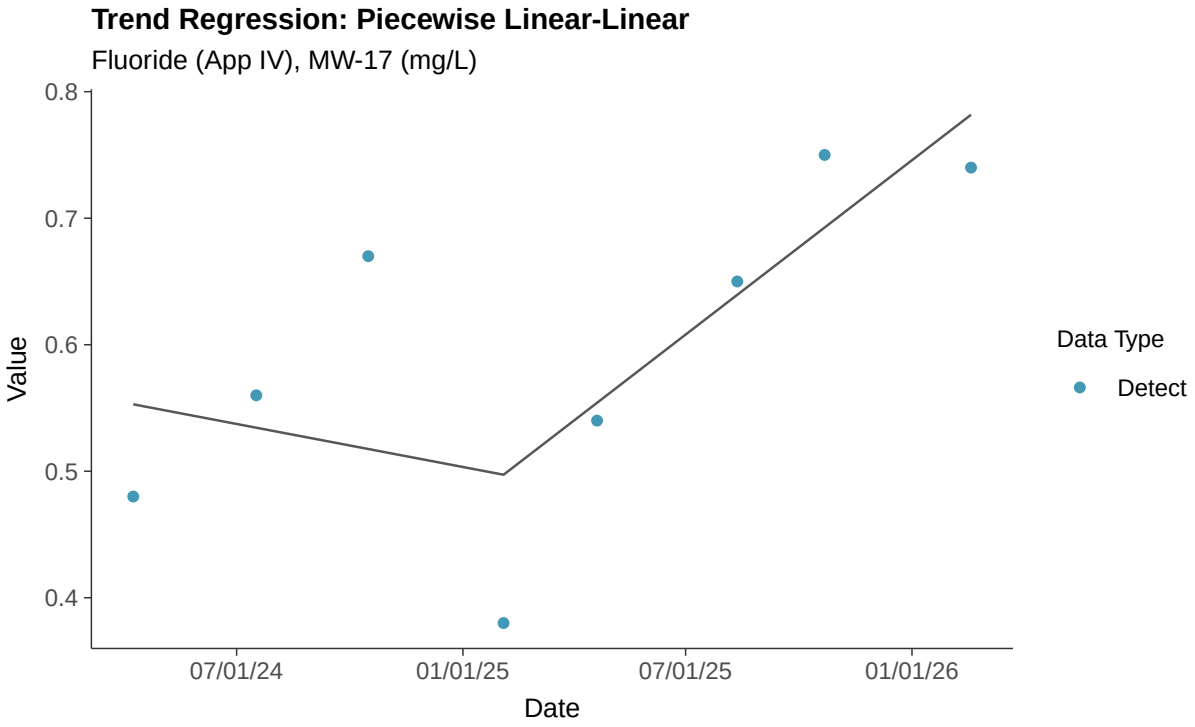
Fluoride (App IV), MW-17 (mg/L)



Trend Regression: Lognormal MLE

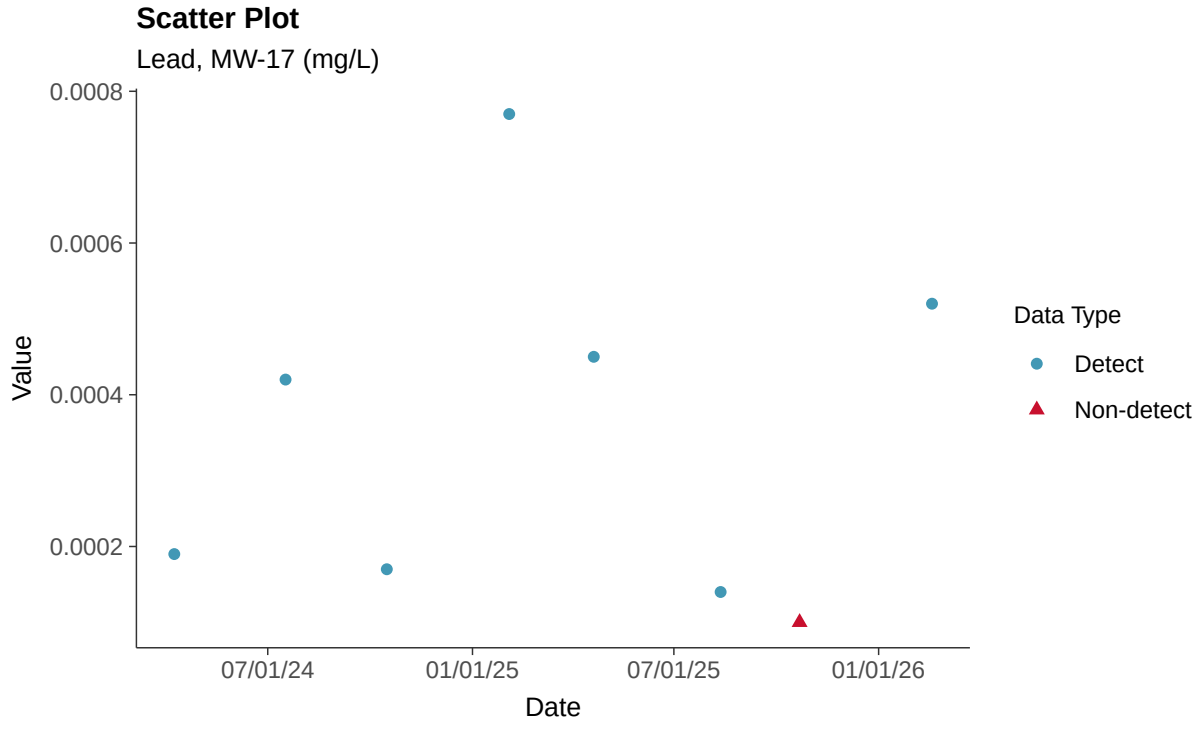
Fluoride (App IV), MW-17 (mg/L)

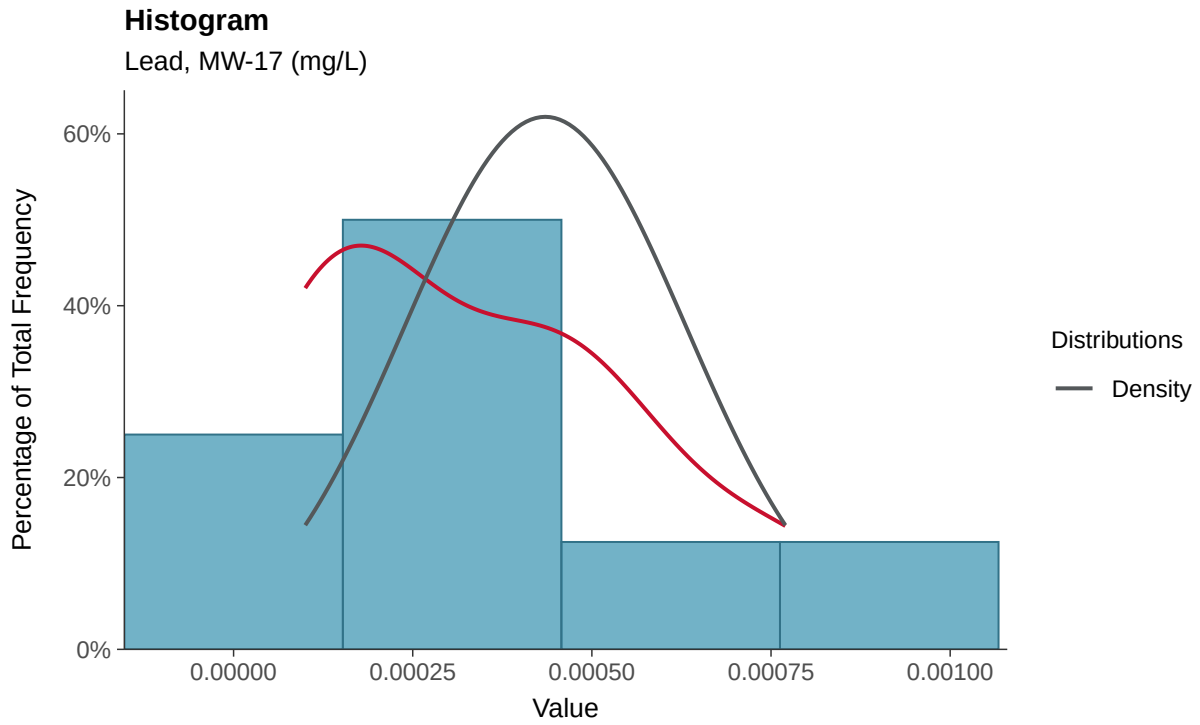



Trend Regression: Piecewise Linear-Linear
Fluoride (App IV), MW-17 (mg/L)
Value
0.8
0.7
0.6
0.5
0.4
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Lead, MW-17

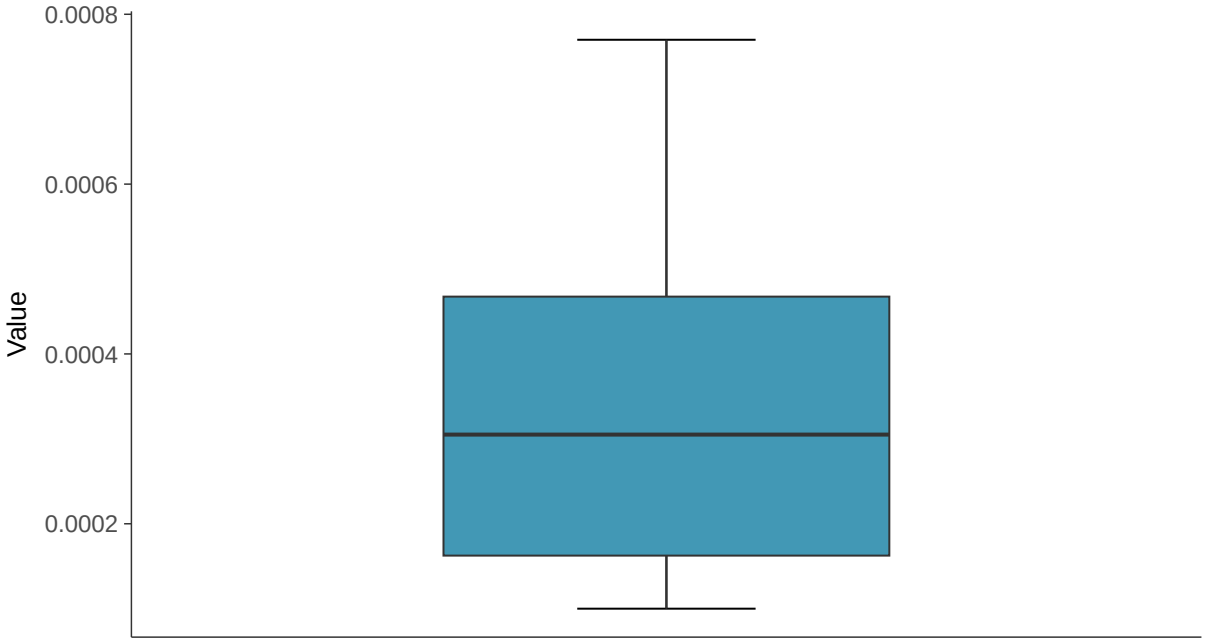
ID: 27_1_4_115





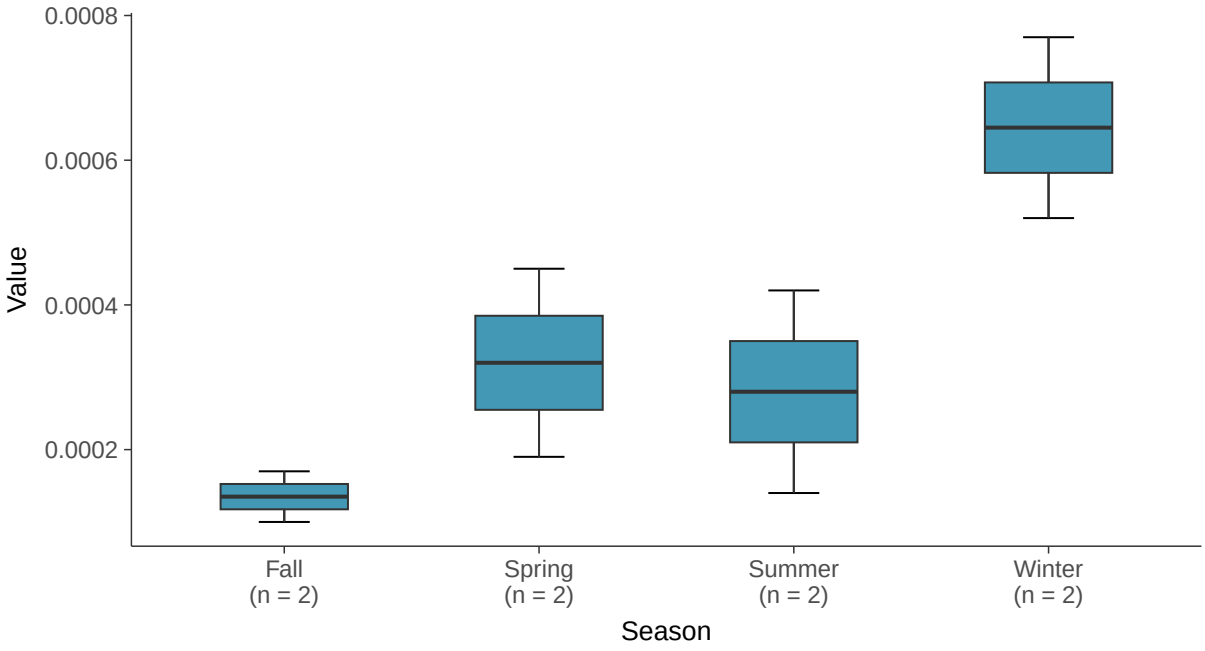
Boxplot

Lead, MW-17 (mg/L)



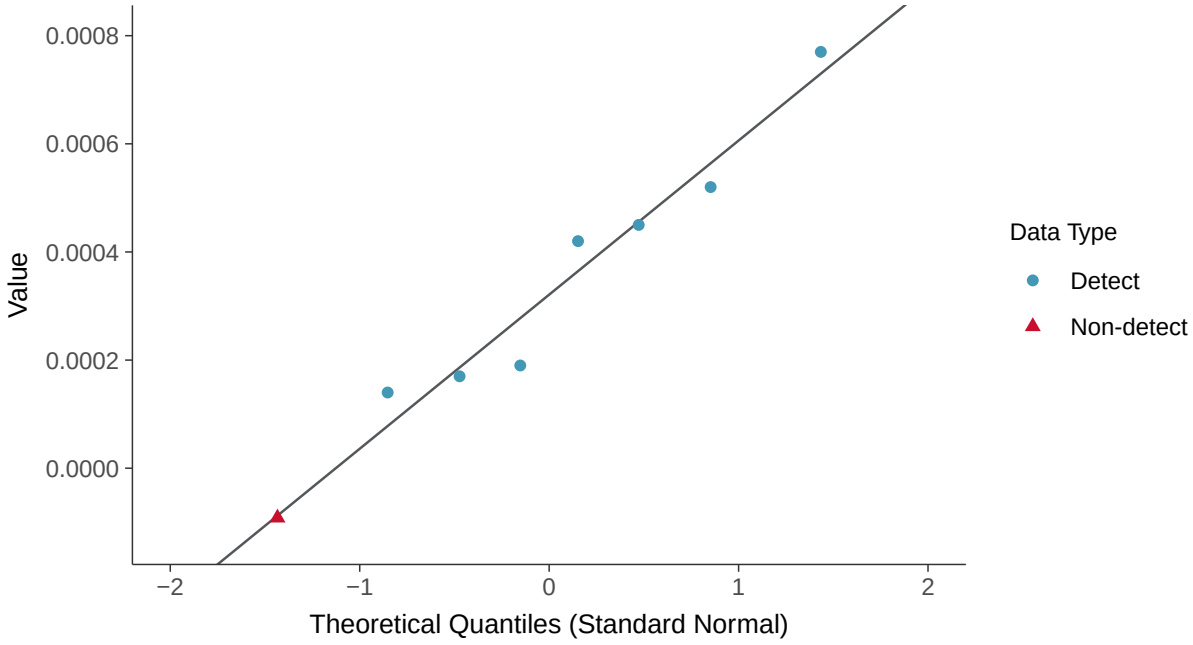
Boxplot by Season

Lead, MW-17 (mg/L)



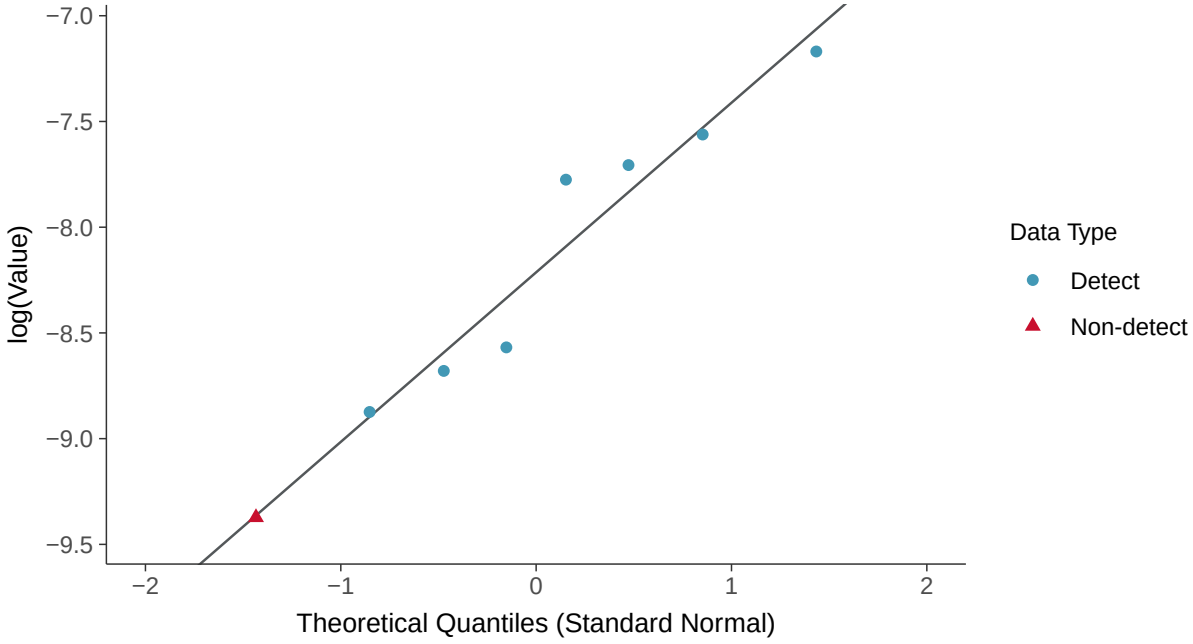
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-17 (mg/L)



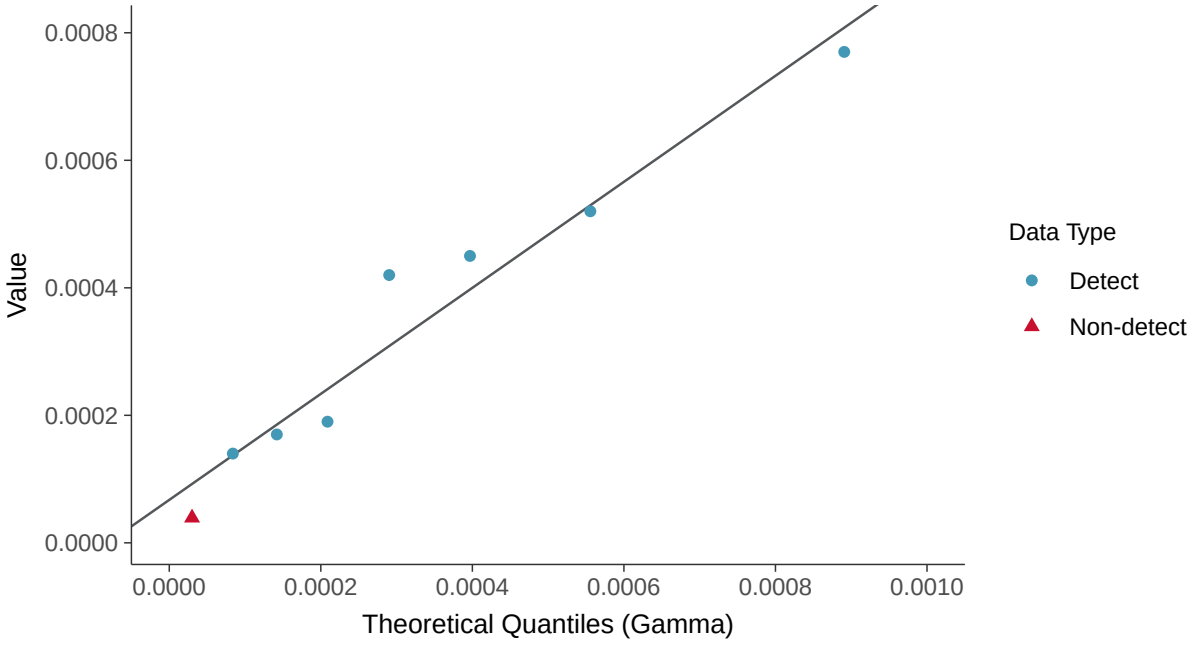
Lognormal Q-Q plot using ROS Imputed Estimates

Lead, MW-17 (mg/L)



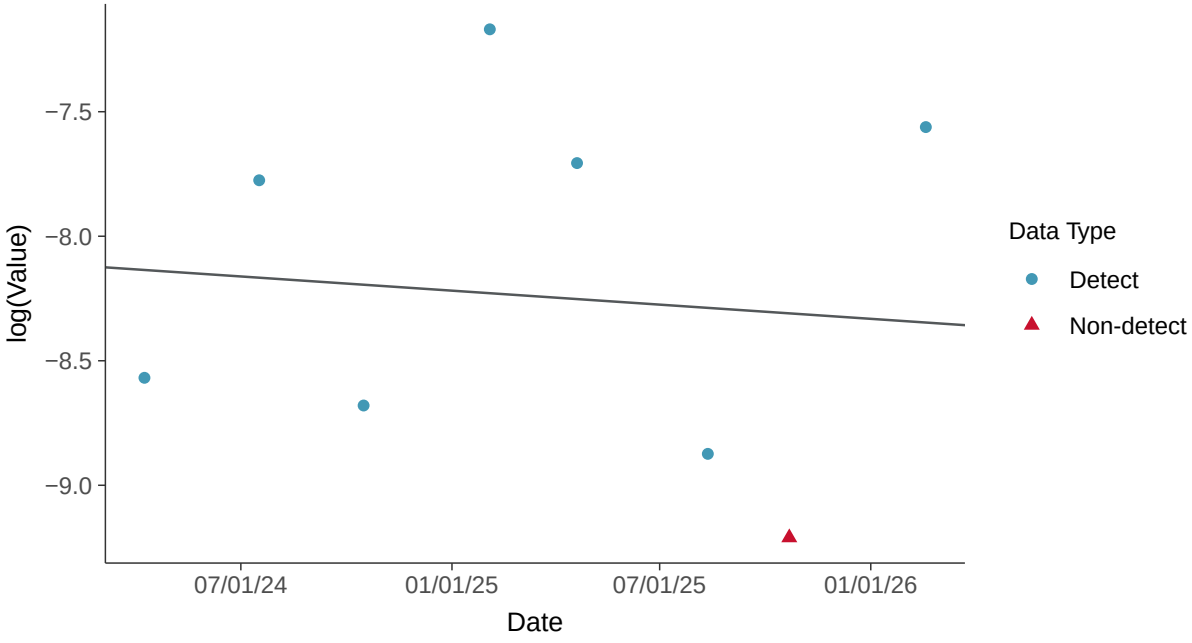
Gamma Q-Q plot using ROS Imputed Estimates

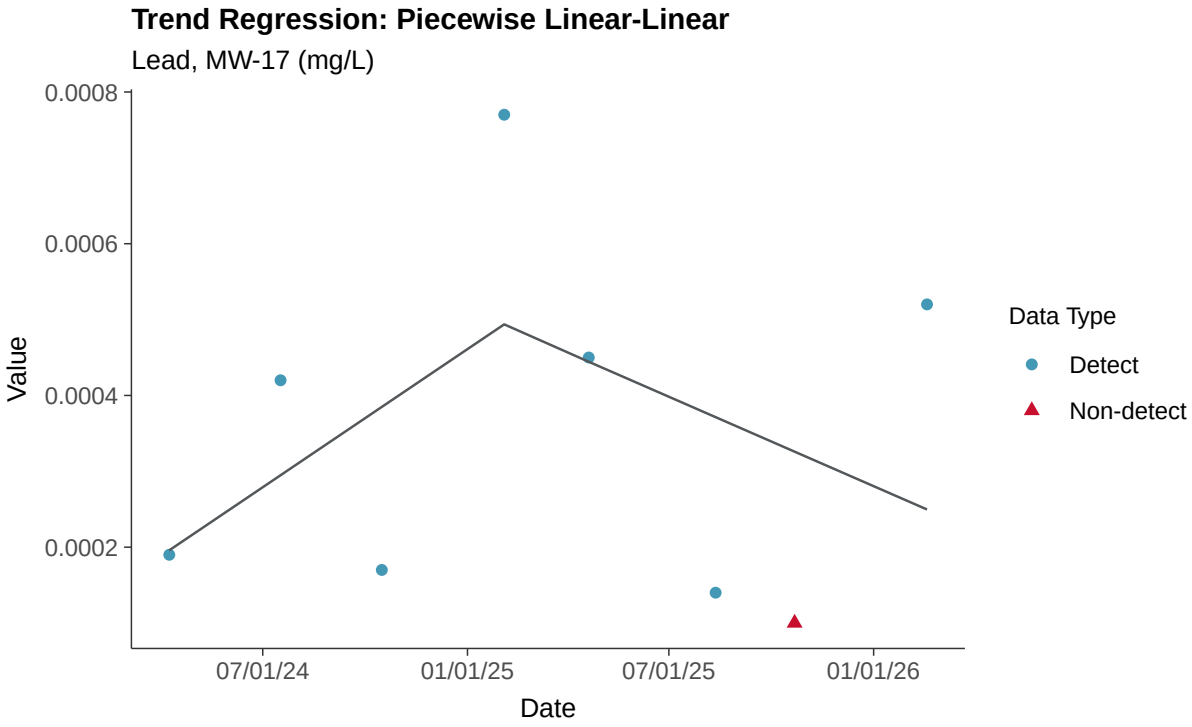
Lead, MW-17 (mg/L)



Trend Regression: Lognormal MLE

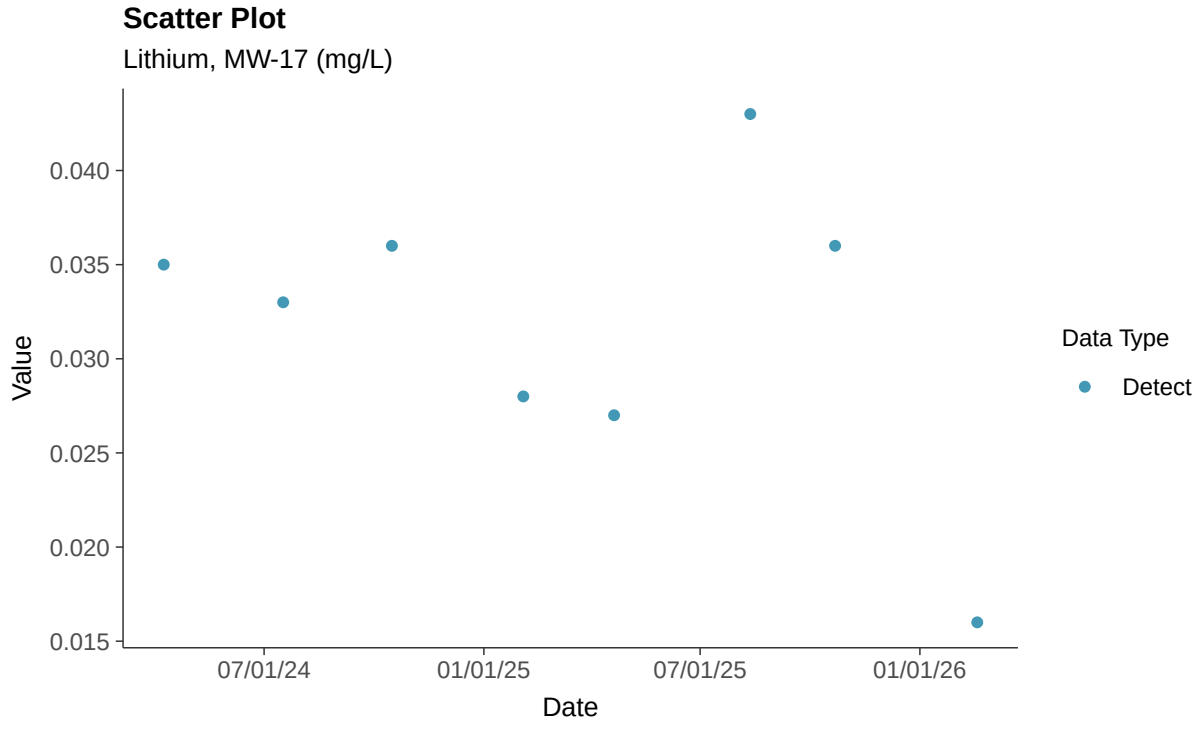
Lead, MW-17 (mg/L)

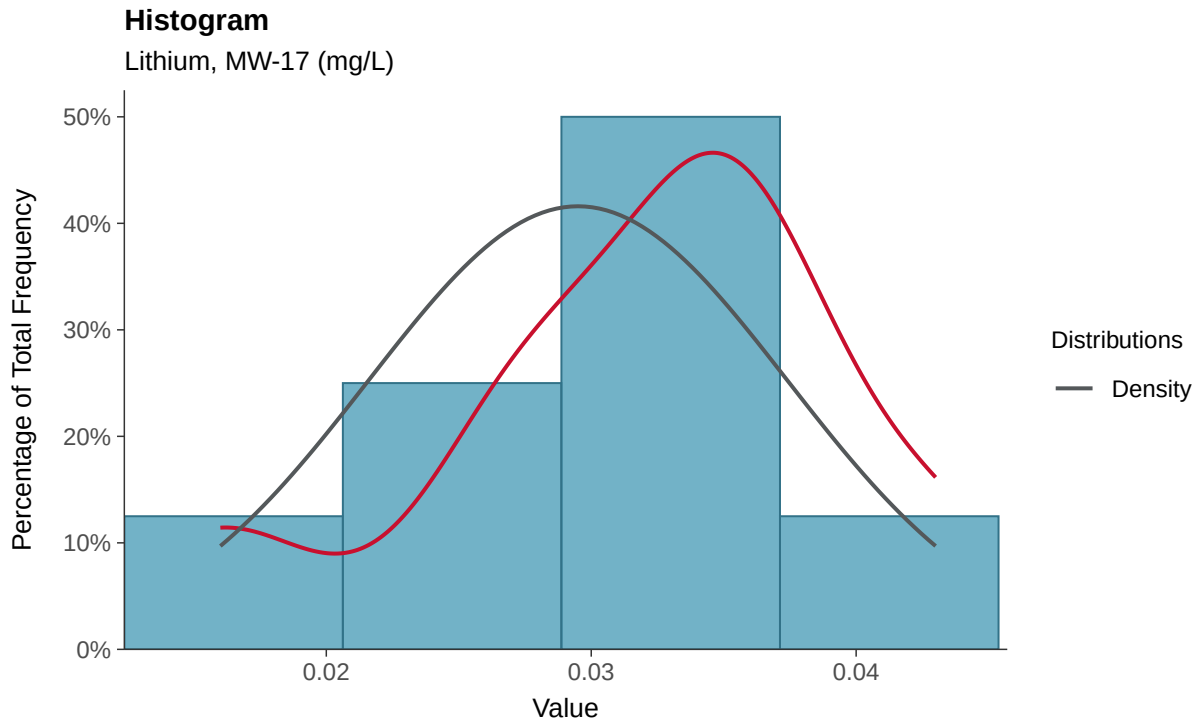



Trend Regression: Piecewise Linear-Linear
Lead, MW-17 (mg/L)
0.0008
0.0006
0.0004
0.0002
Value
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Lithium, MW-17

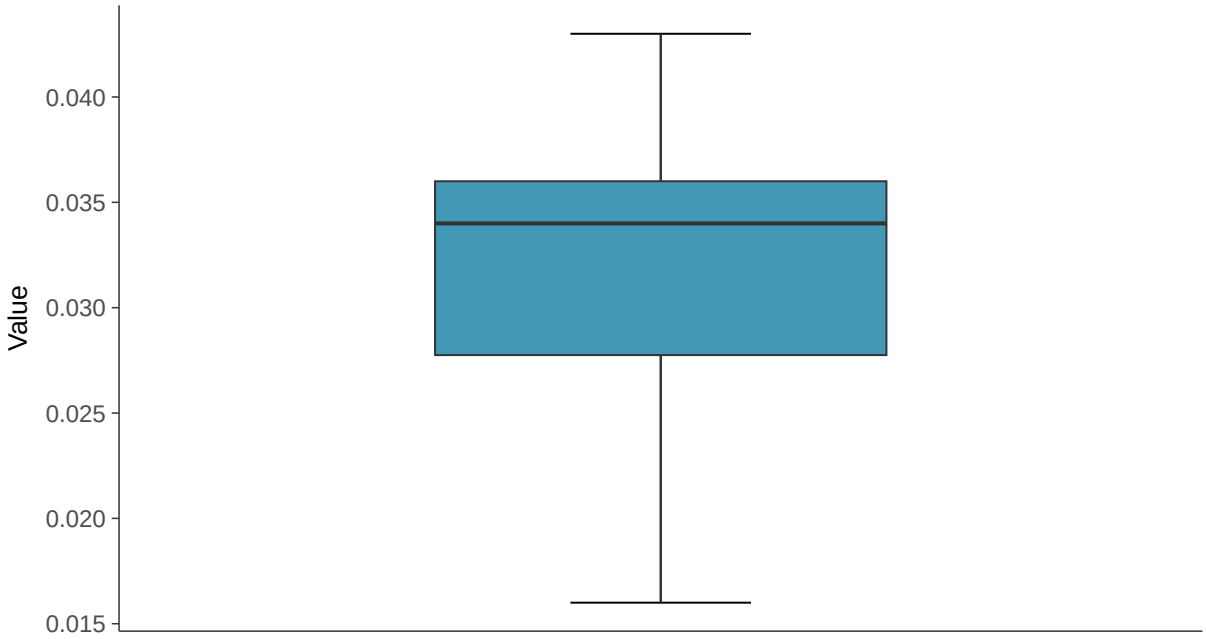
ID: 27_1_4_116





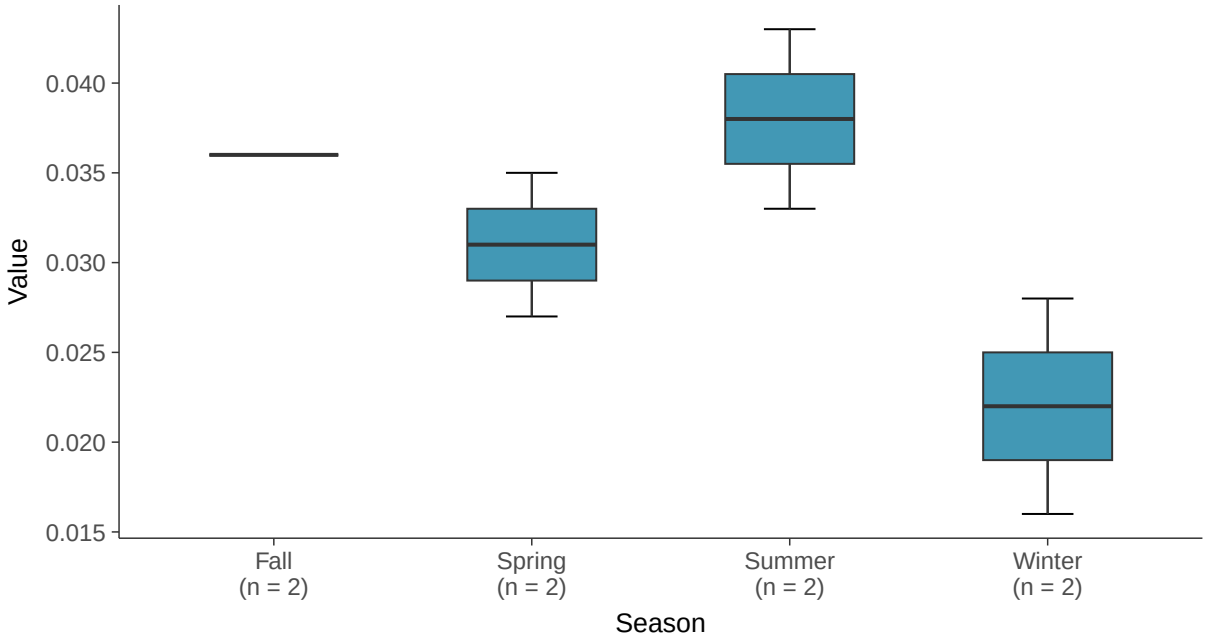
Boxplot

Lithium, MW-17 (mg/L)



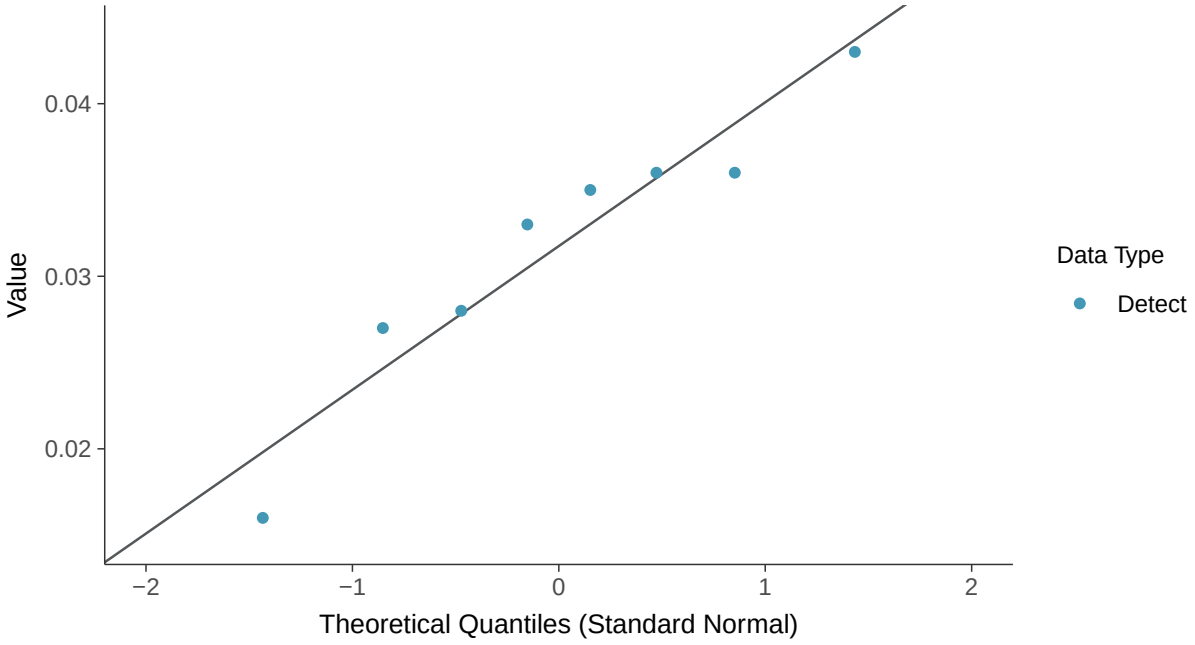
Boxplot by Season

Lithium, MW-17 (mg/L)



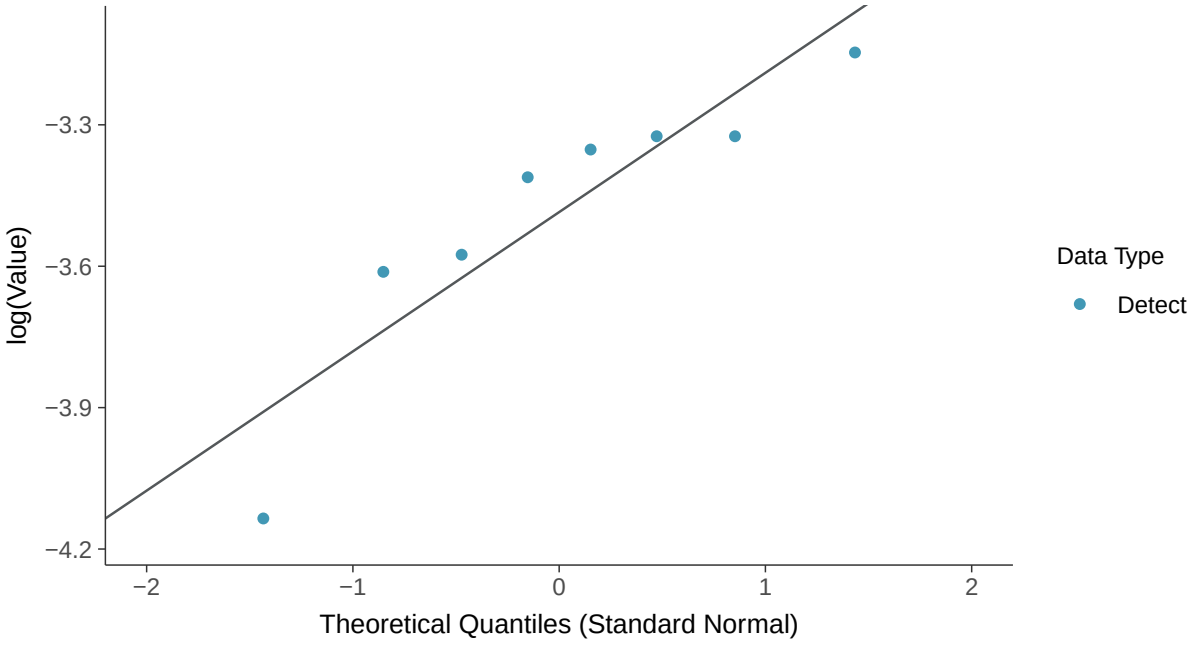
Normal Q-Q plot

Lithium, MW-17 (mg/L)



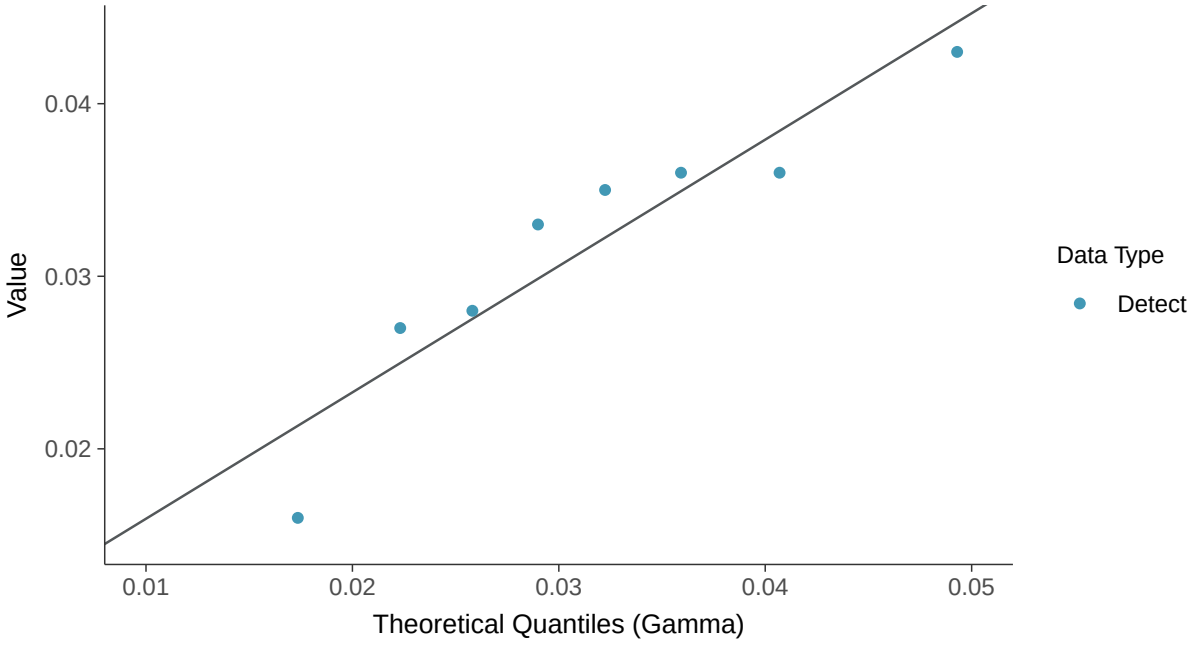
Lognormal Q-Q plot

Lithium, MW-17 (mg/L)



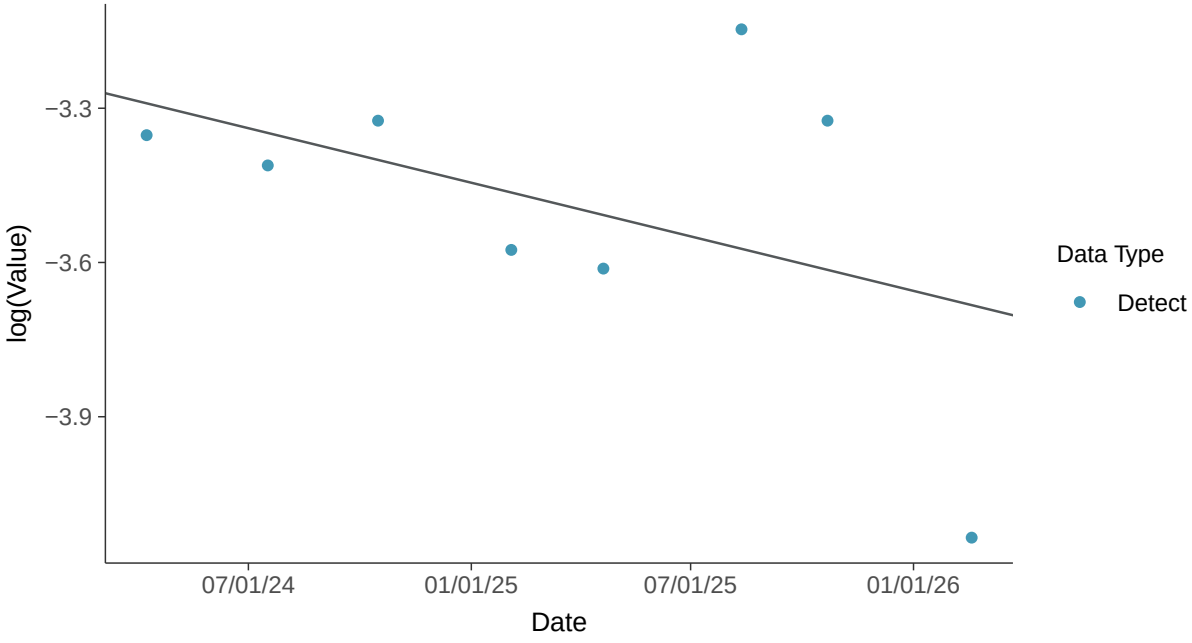
Gamma Q-Q plot

Lithium, MW-17 (mg/L)



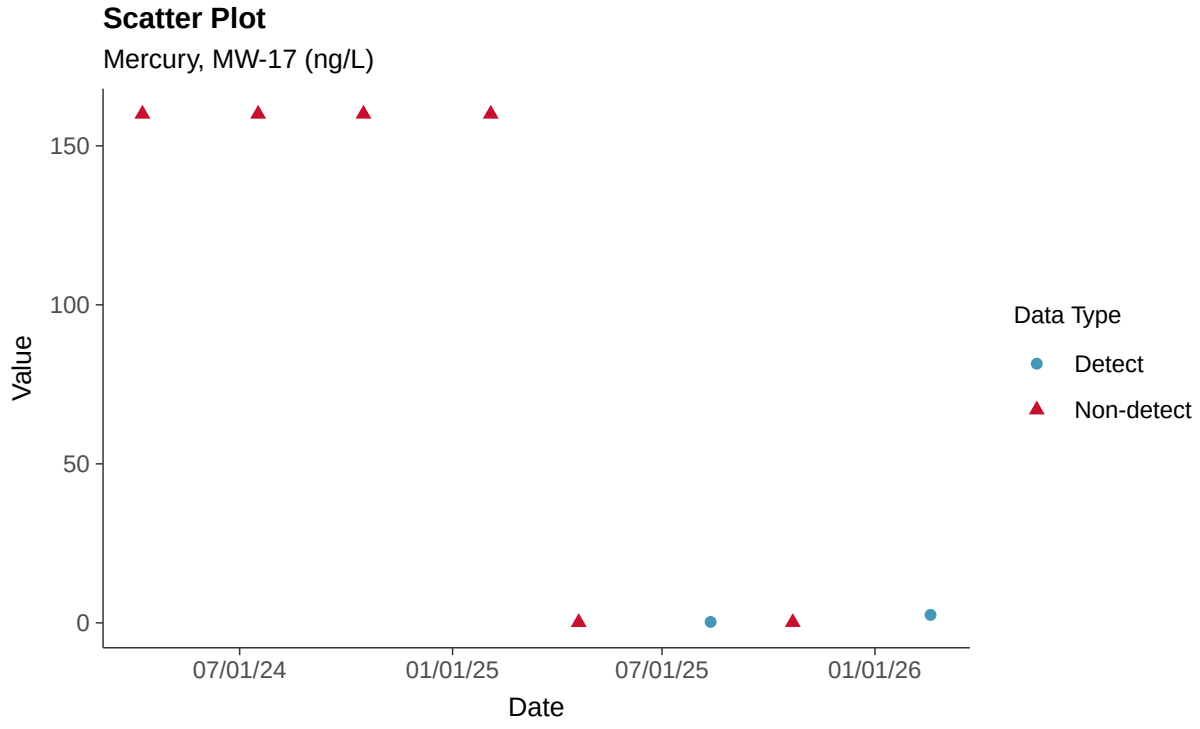
Trend Regression: Lognormal MLE

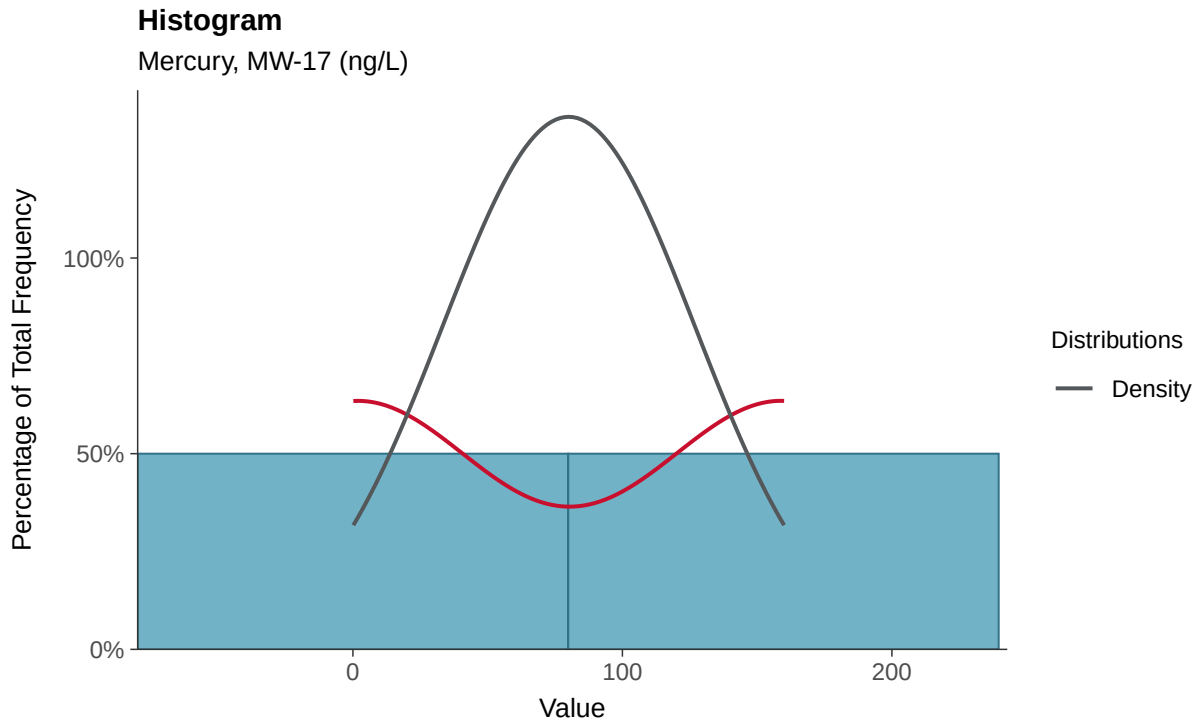
Lithium, MW-17 (mg/L)



Appendix IV: Mercury, MW-17

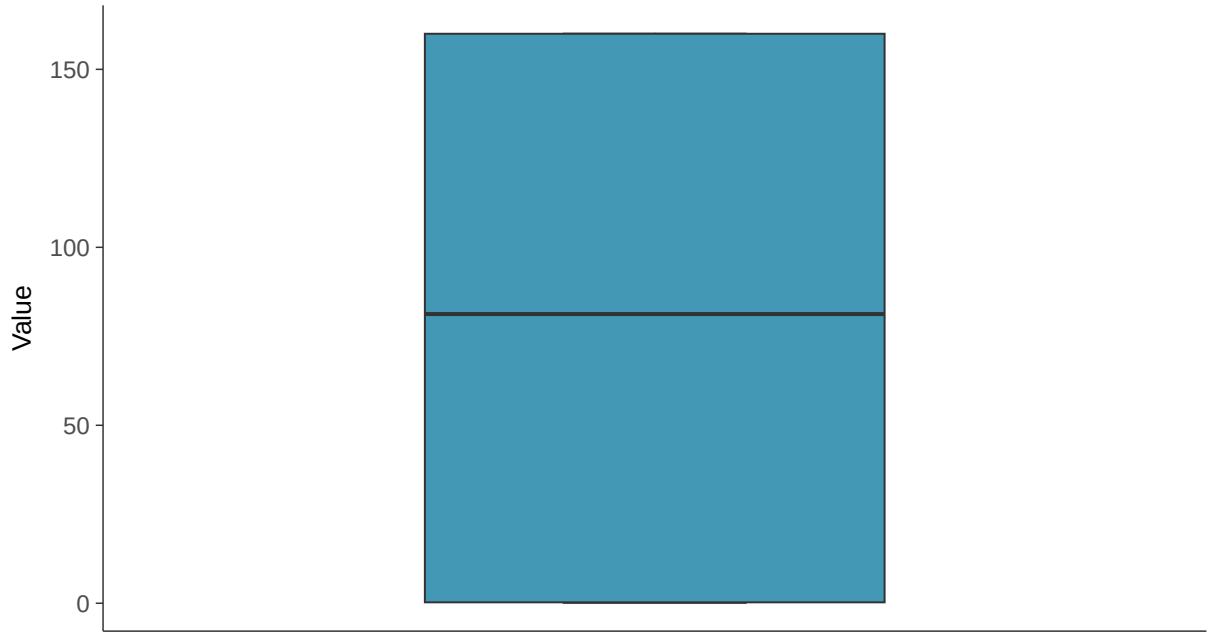
ID: 27_1_4_117





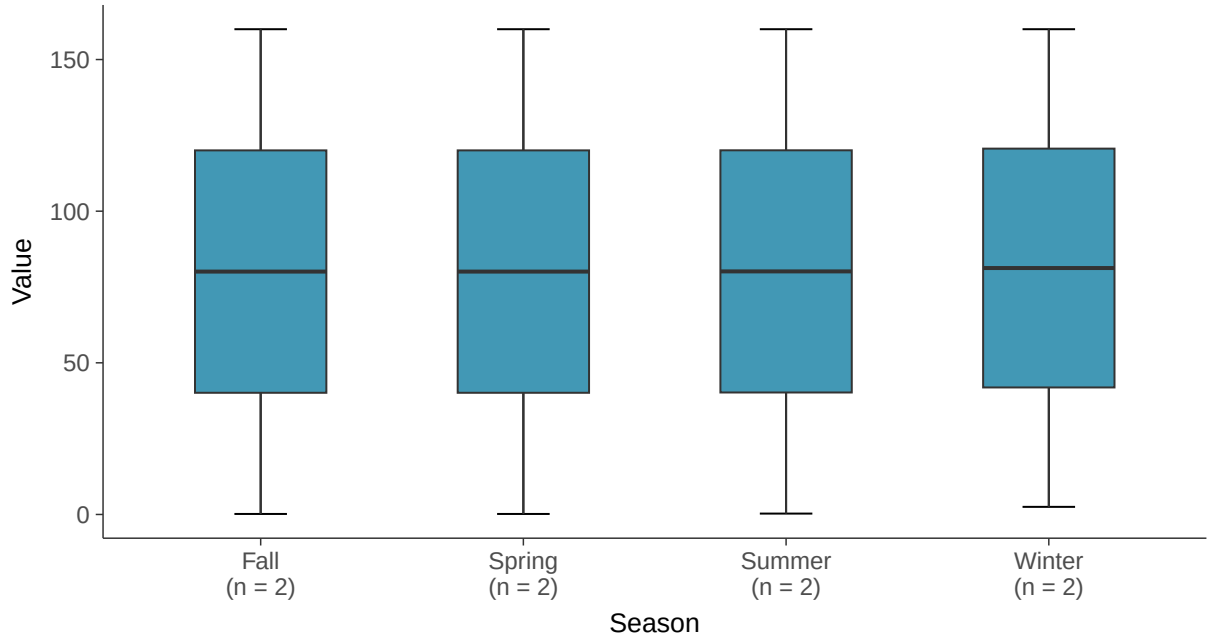
Boxplot

Mercury, MW-17 (ng/L)



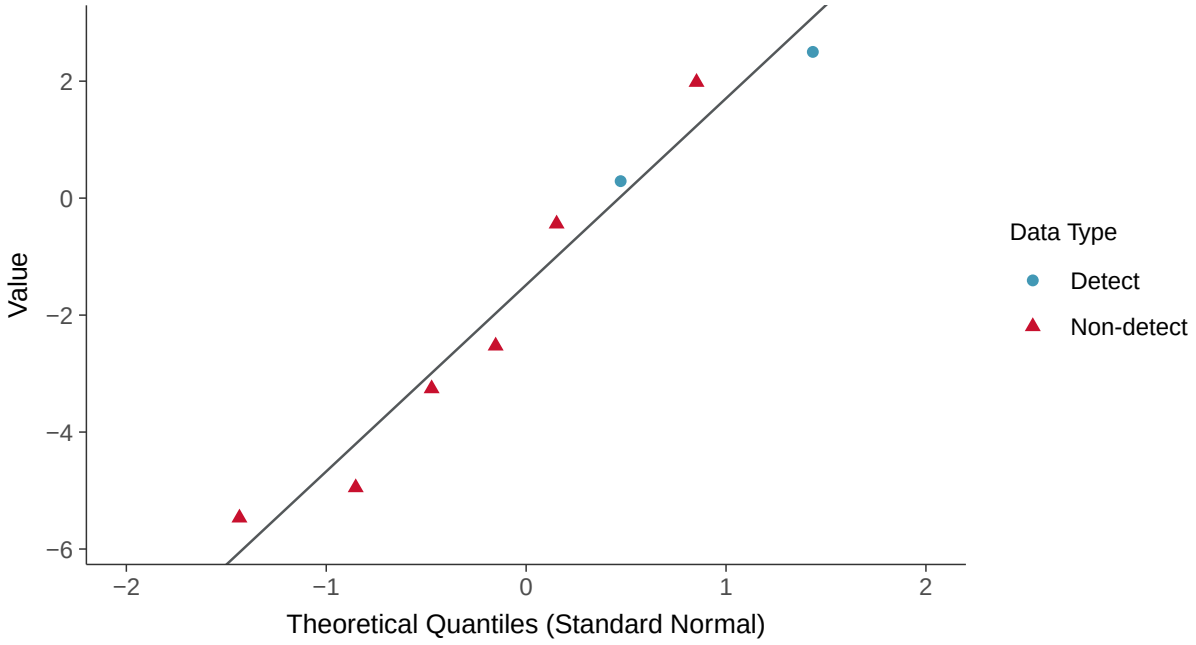
Boxplot by Season

Mercury, MW-17 (ng/L)



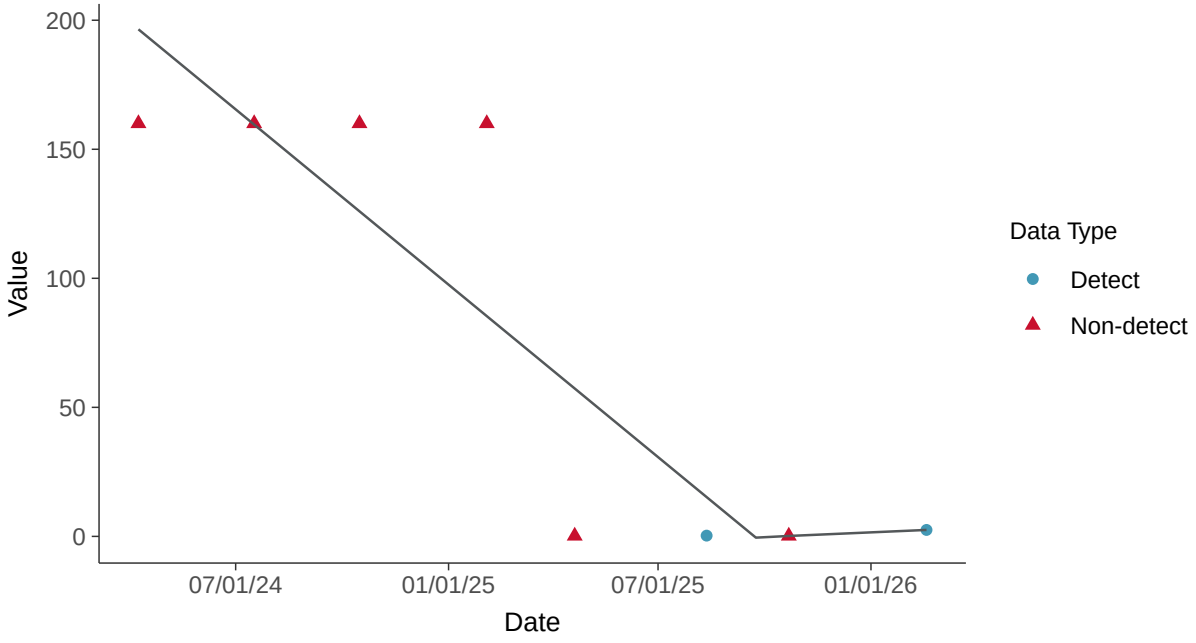
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-17 (ng/L)



Trend Regression: Piecewise Linear-Linear

Mercury, MW-17 (ng/L)

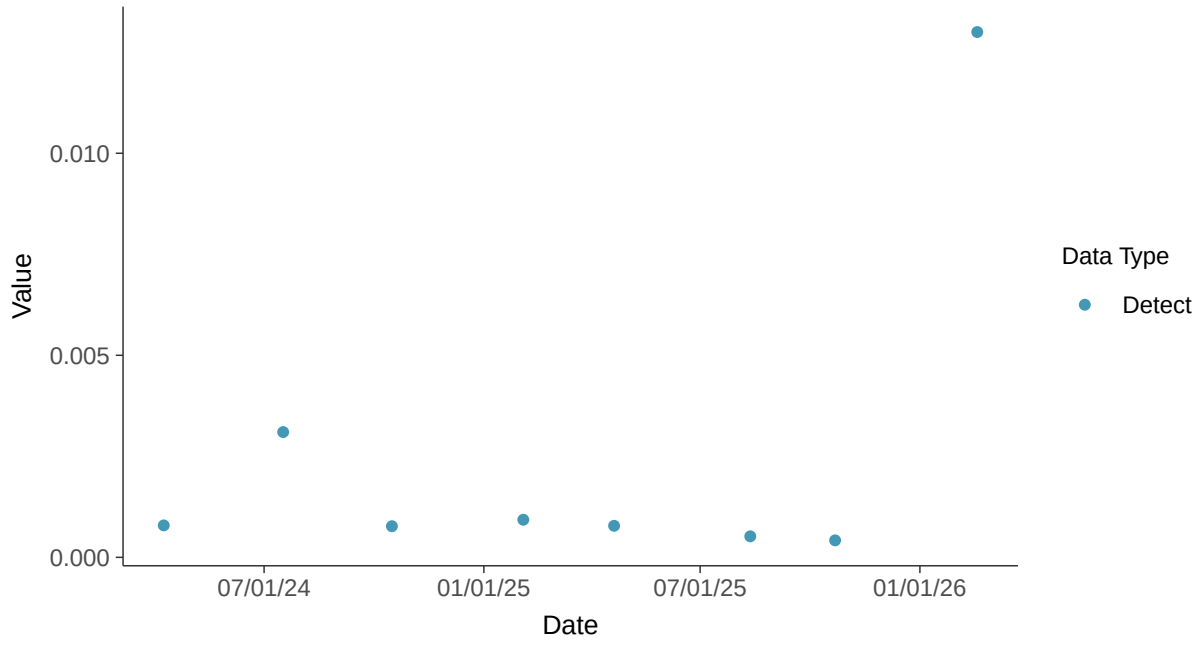


Appendix IV: Molybdenum, MW-17

ID: 27_1_4_118

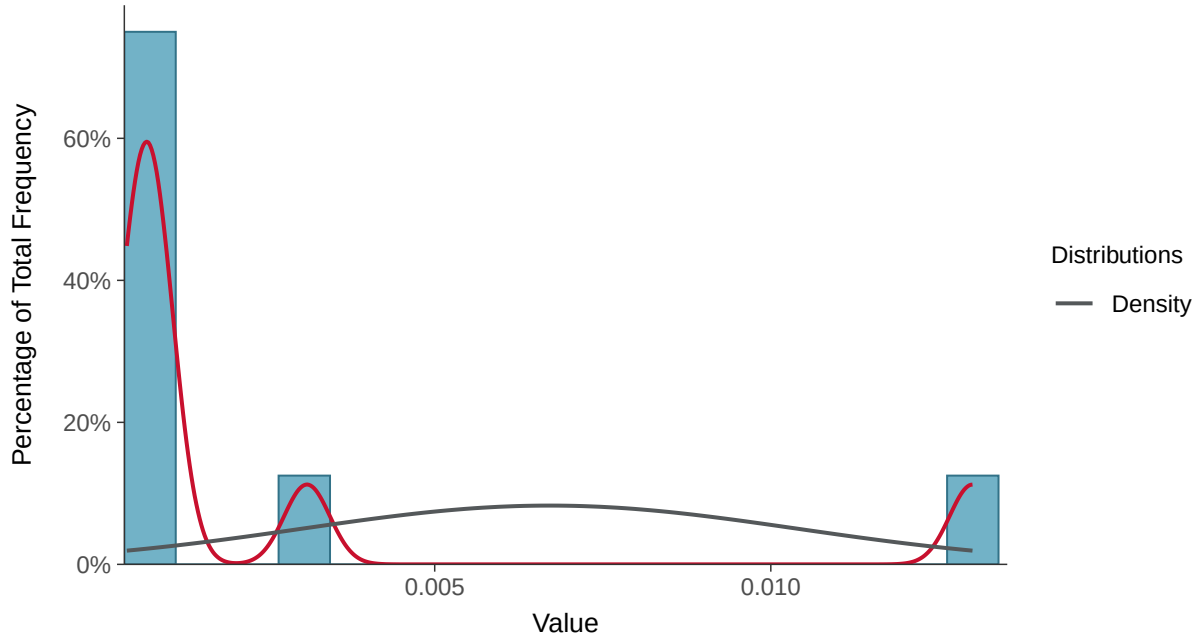
Scatter Plot

Molybdenum, MW-17 (mg/L)



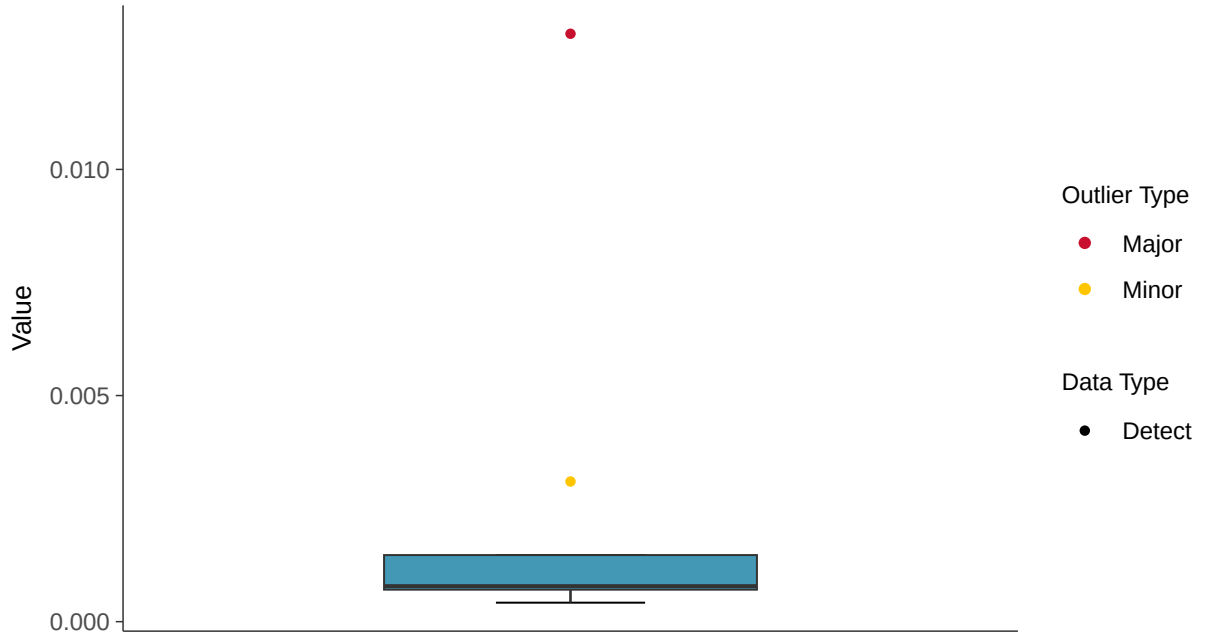
Histogram

Molybdenum, MW-17 (mg/L)



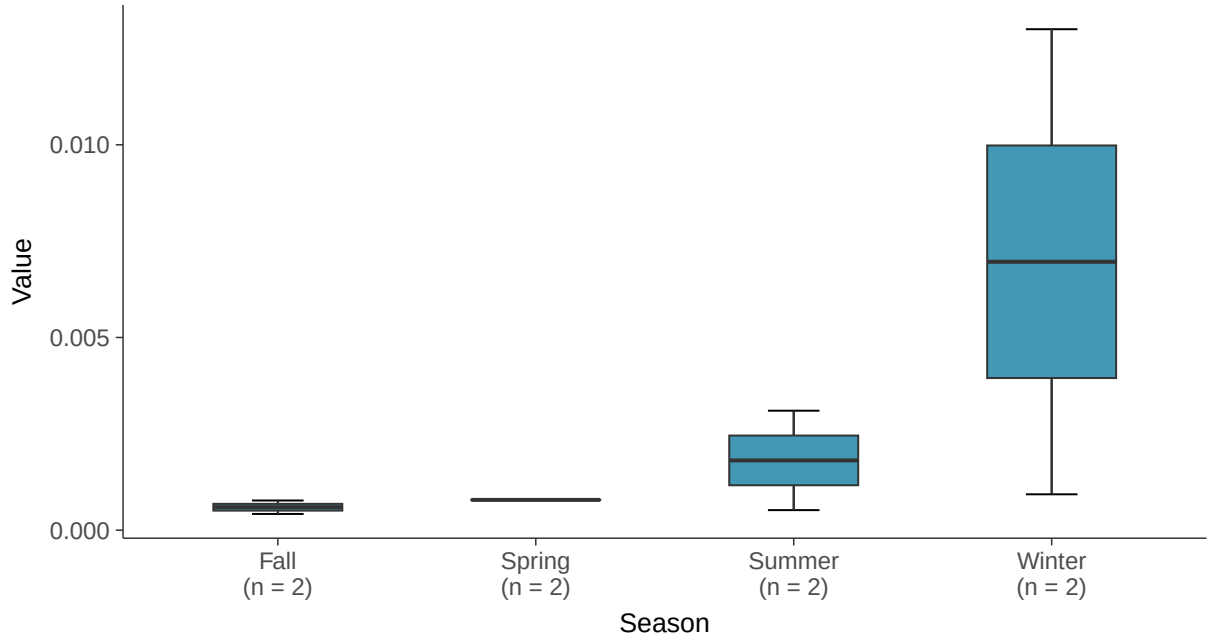
Boxplot

Molybdenum, MW-17 (mg/L)



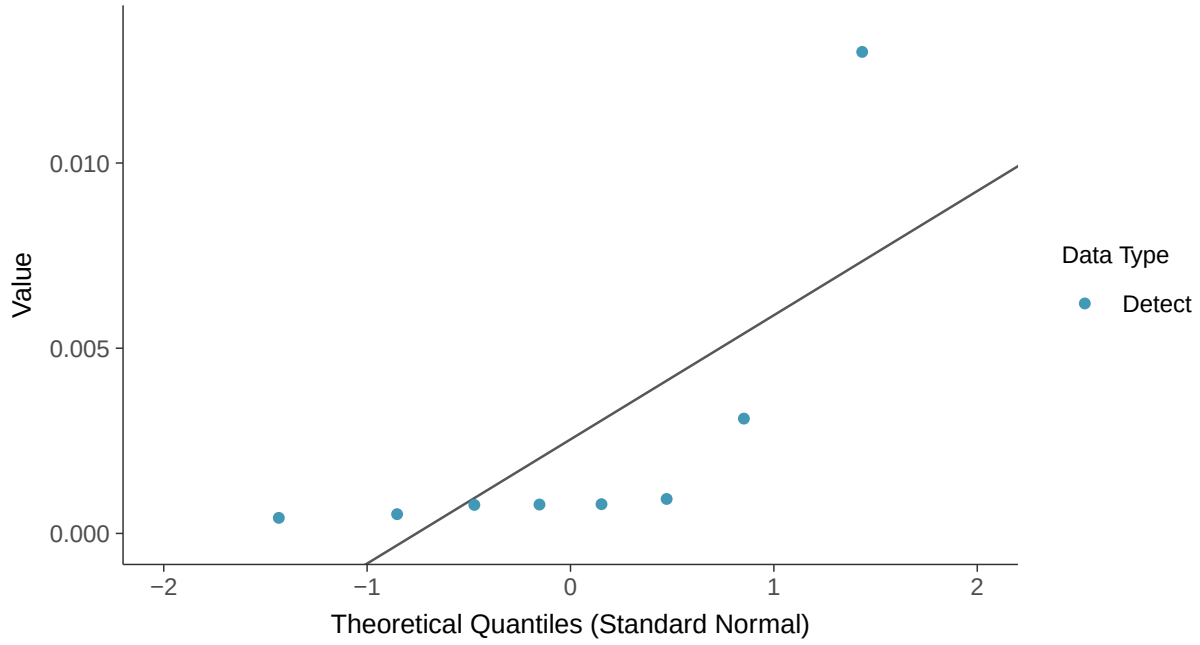
Boxplot by Season

Molybdenum, MW-17 (mg/L)



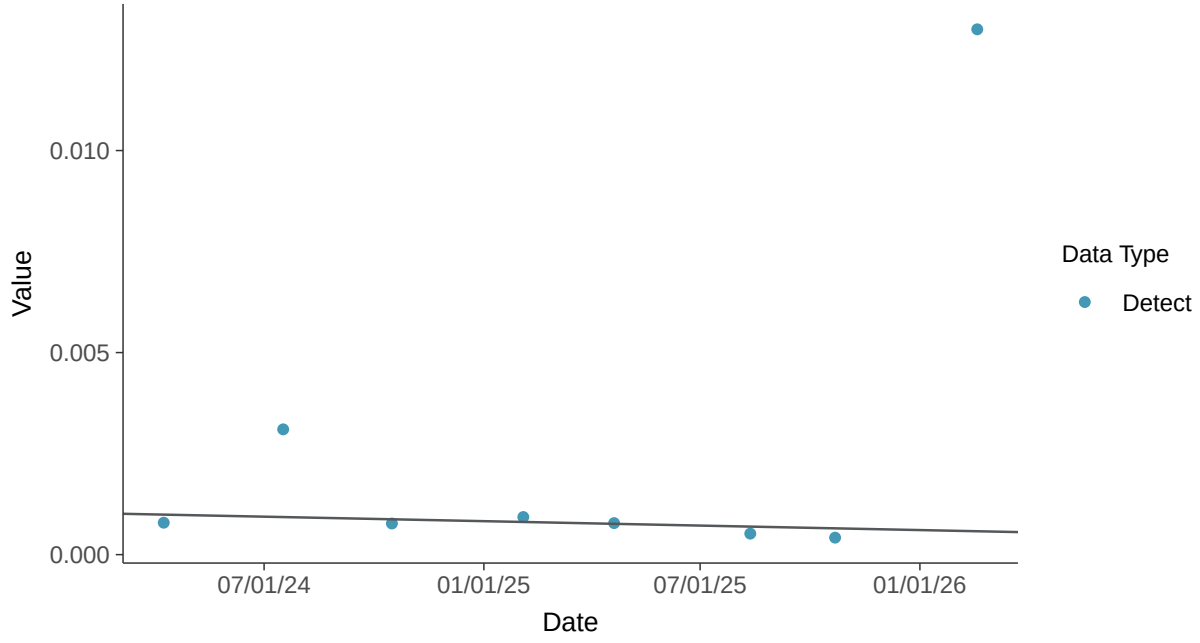
Normal Q-Q plot

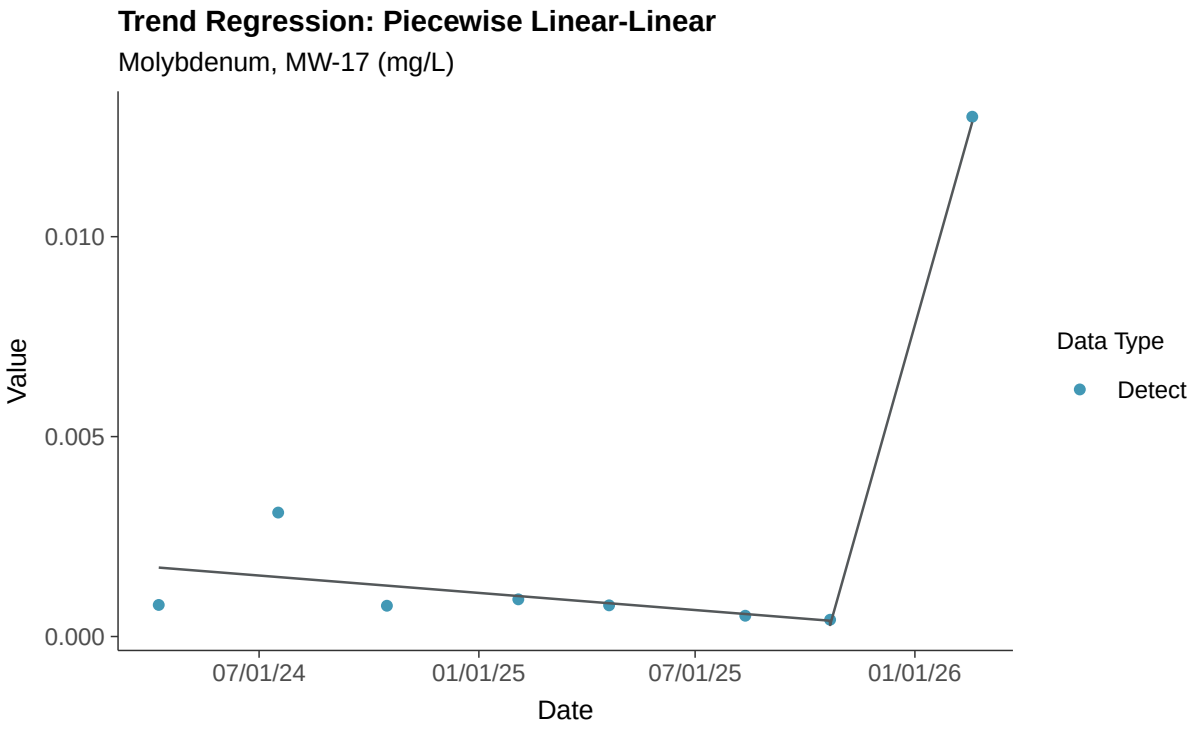
Molybdenum, MW-17 (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

Molybdenum, MW-17 (mg/L)



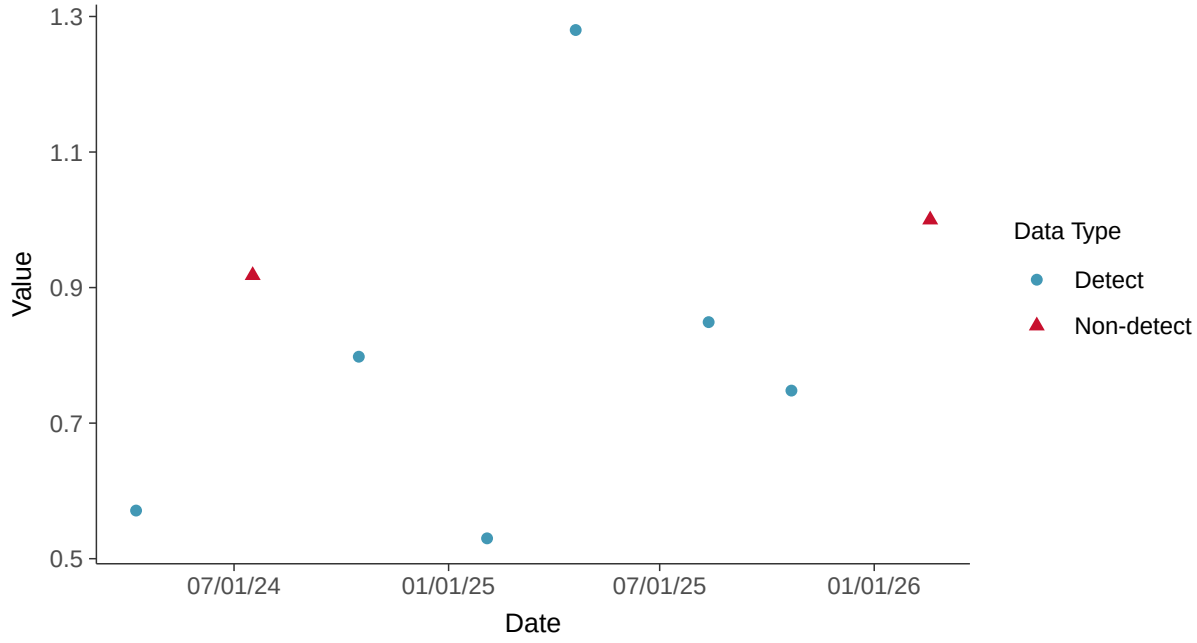

Trend Regression: Piecewise Linear-Linear
Molybdenum, MW-17 (mg/L)
Value
0.010
0.005
0.000
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Radium 226 and 228, MW-17

ID: 27_1_4_121

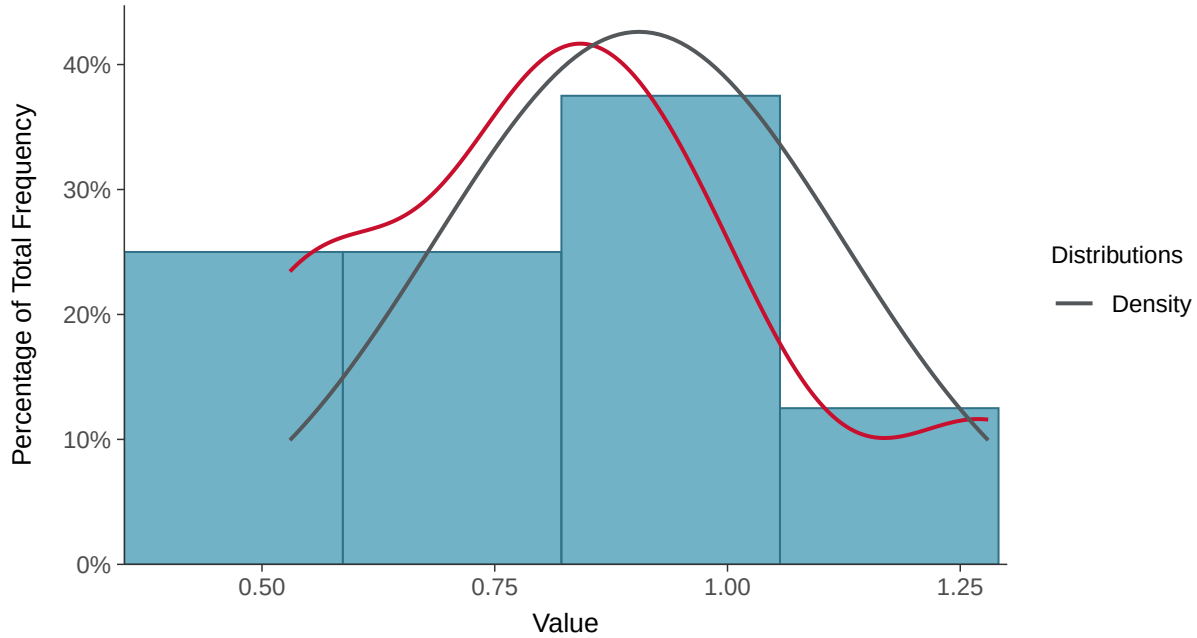
Scatter Plot

Radium 226 and 228, MW-17 (pCi/L)



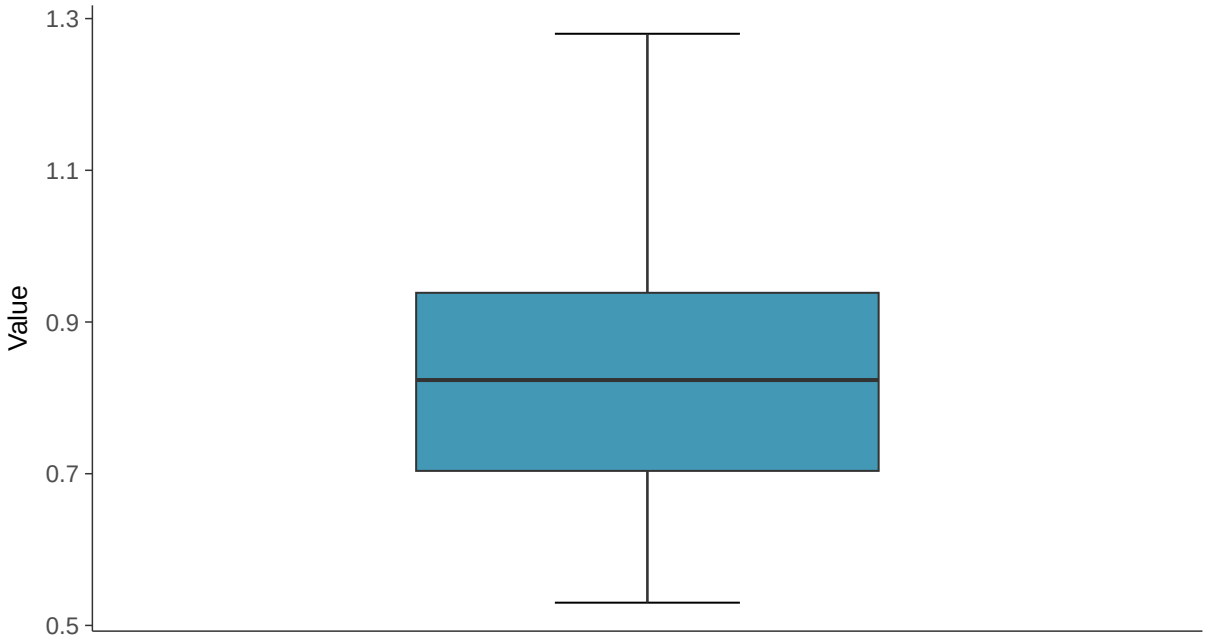
Histogram

Radium 226 and 228, MW-17 (pCi/L)



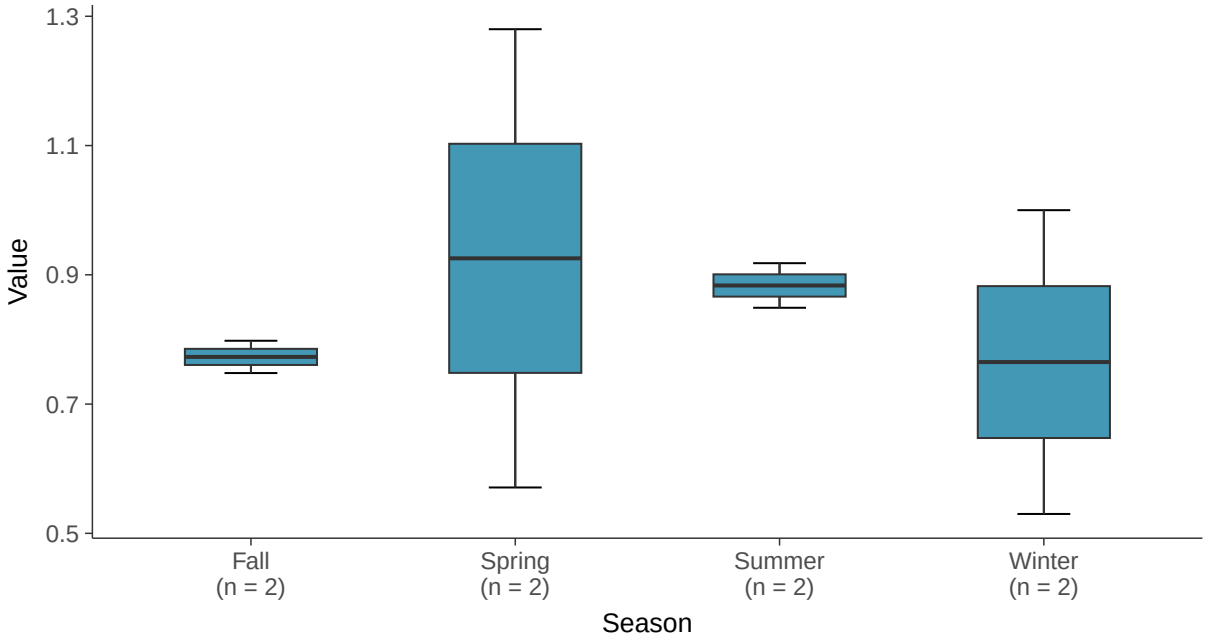
Boxplot

Radium 226 and 228, MW-17 (pCi/L)



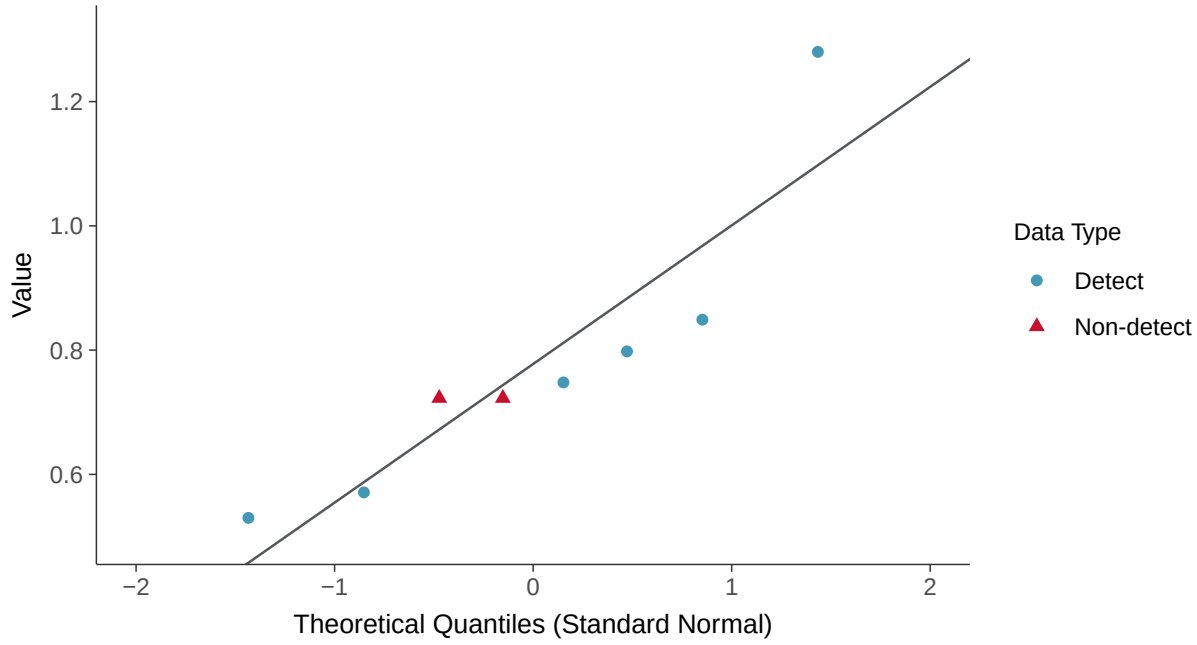
Boxplot by Season

Radium 226 and 228, MW-17 (pCi/L)



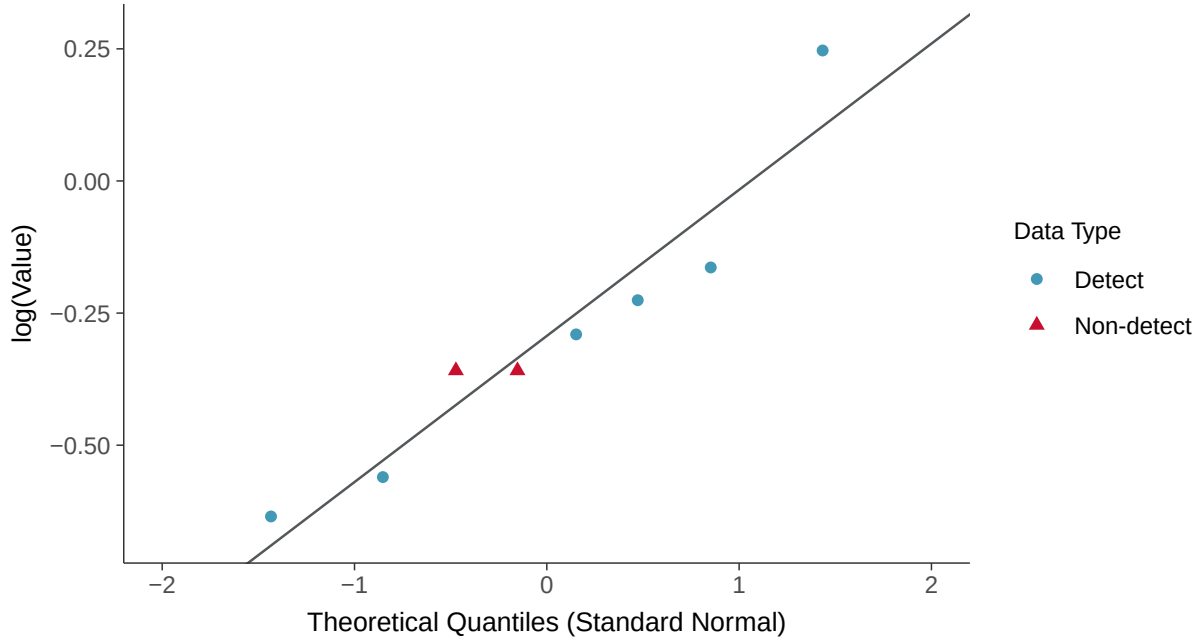
Normal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-17 (pCi/L)



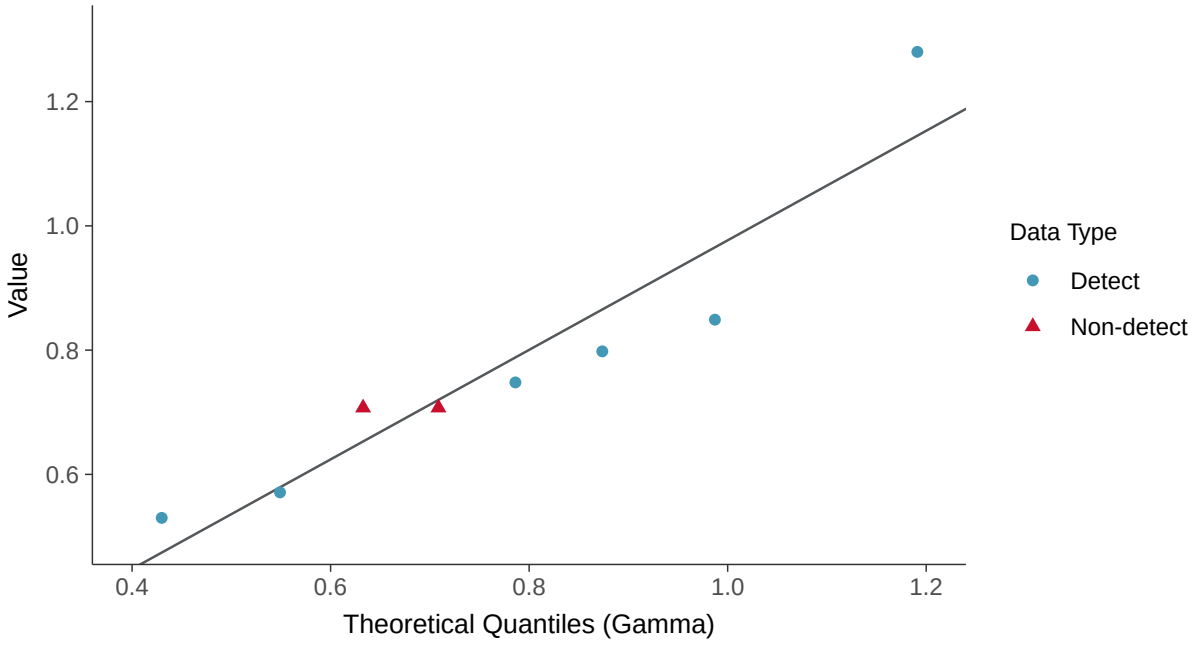
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-17 (pCi/L)



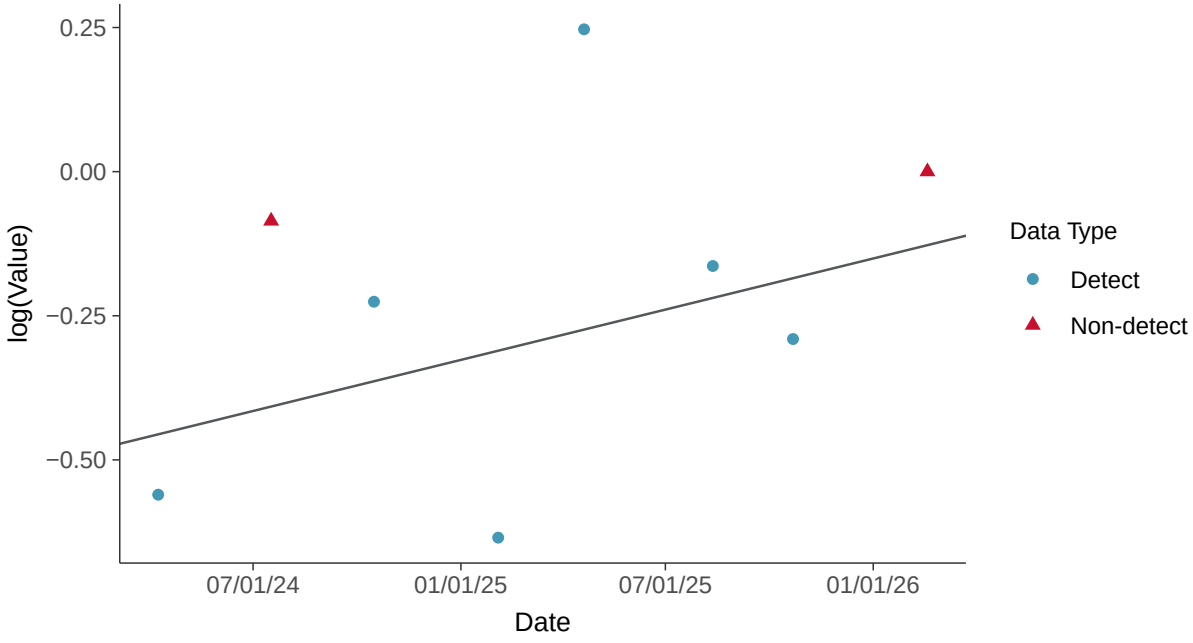
Gamma Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-17 (pCi/L)



Trend Regression: Lognormal MLE

Radium 226 and 228, MW-17 (pCi/L)

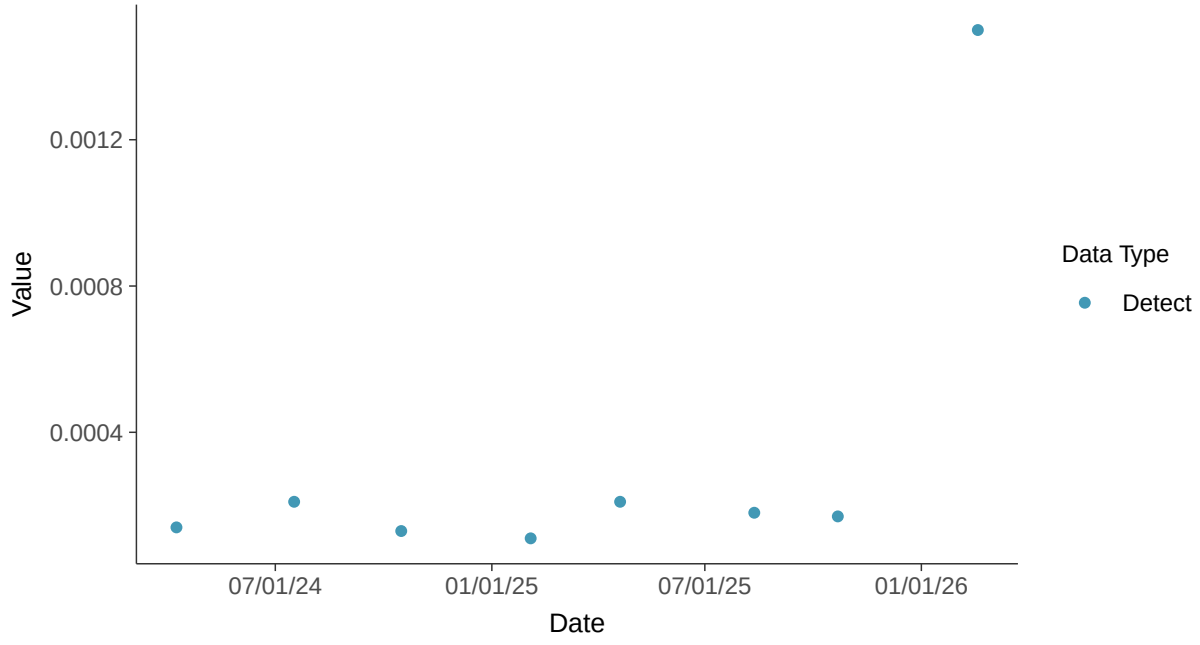


Appendix IV: Selenium, MW-17

ID: 27_1_4_122

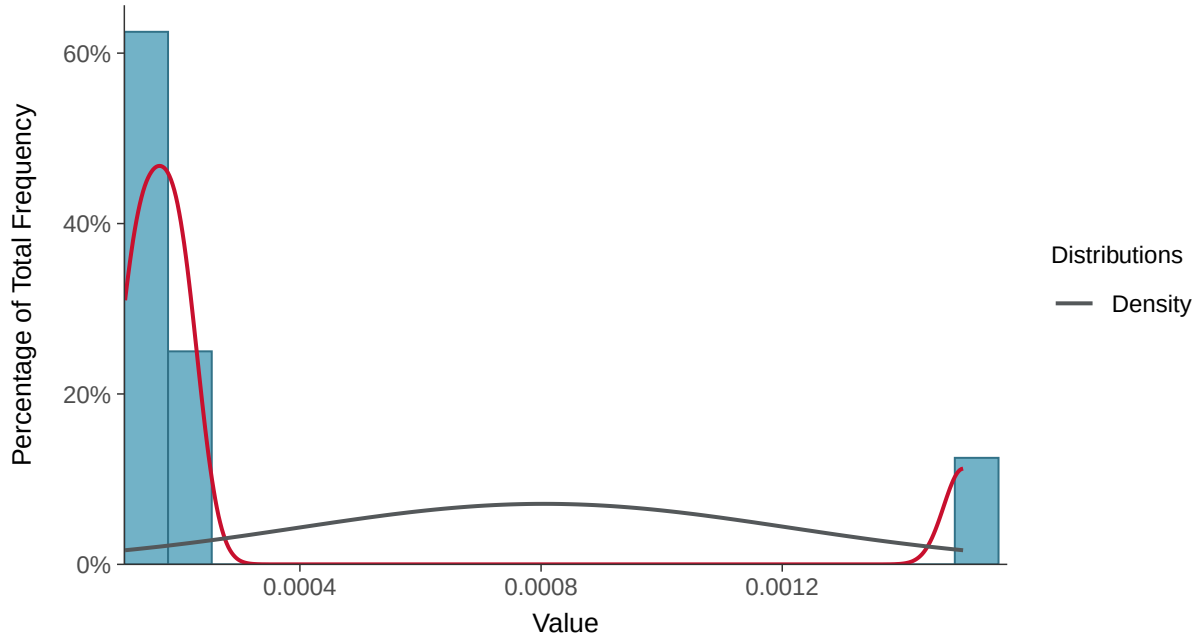
Scatter Plot

Selenium, MW-17 (mg/L)



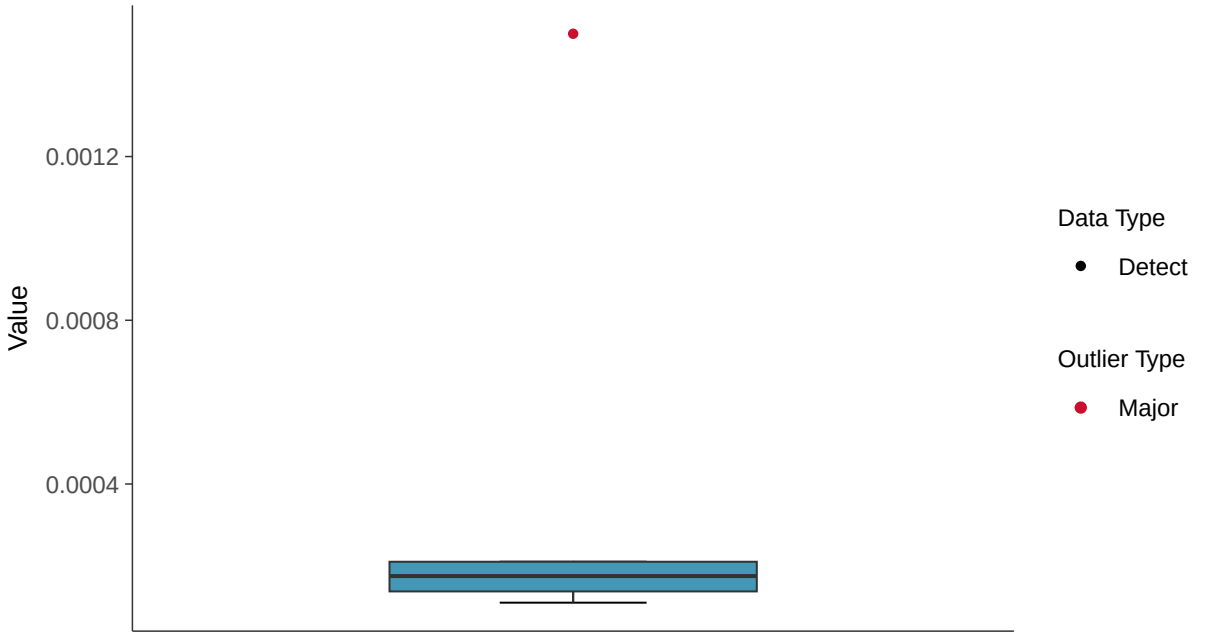
Histogram

Selenium, MW-17 (mg/L)



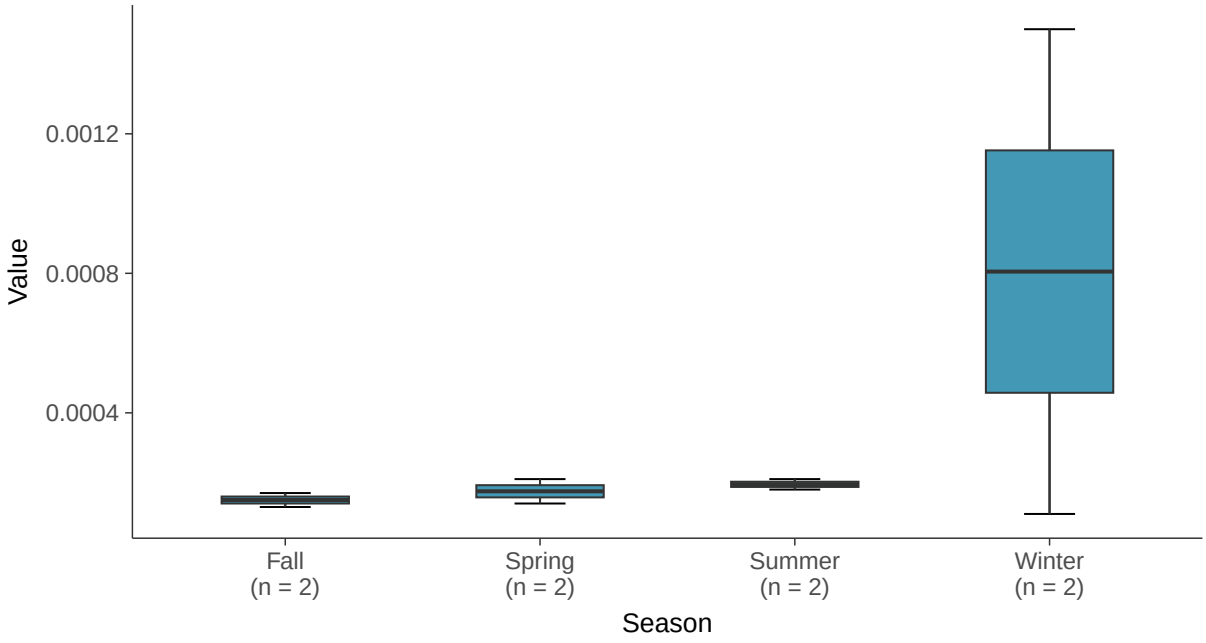
Boxplot

Selenium, MW-17 (mg/L)



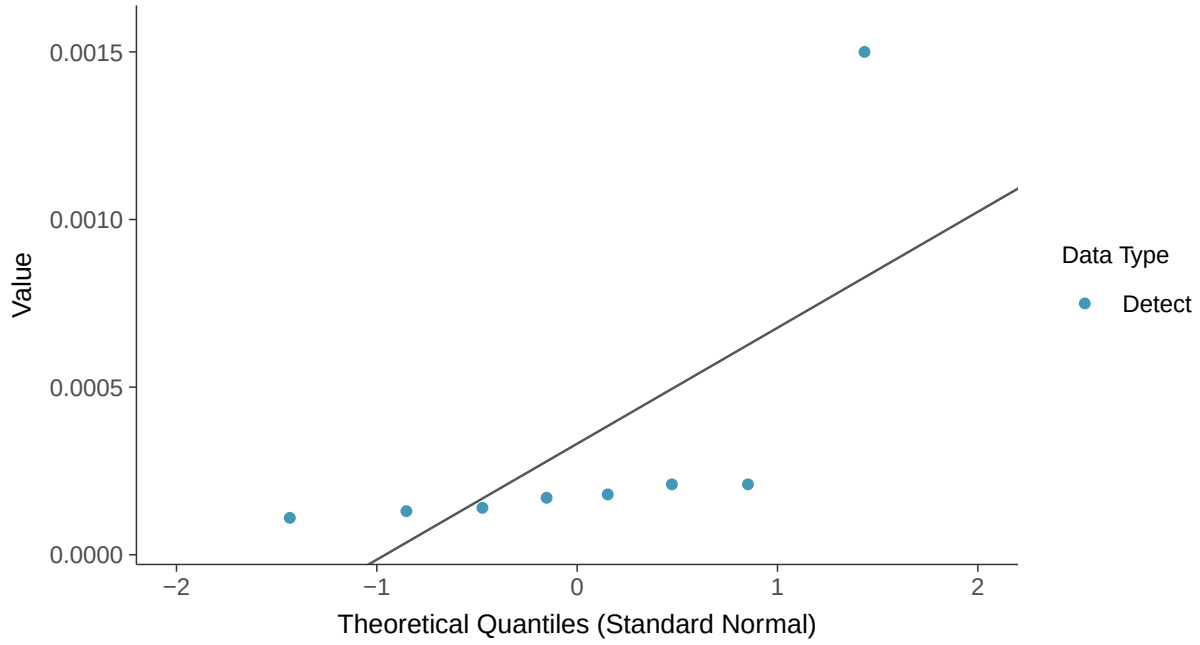
Boxplot by Season

Selenium, MW-17 (mg/L)



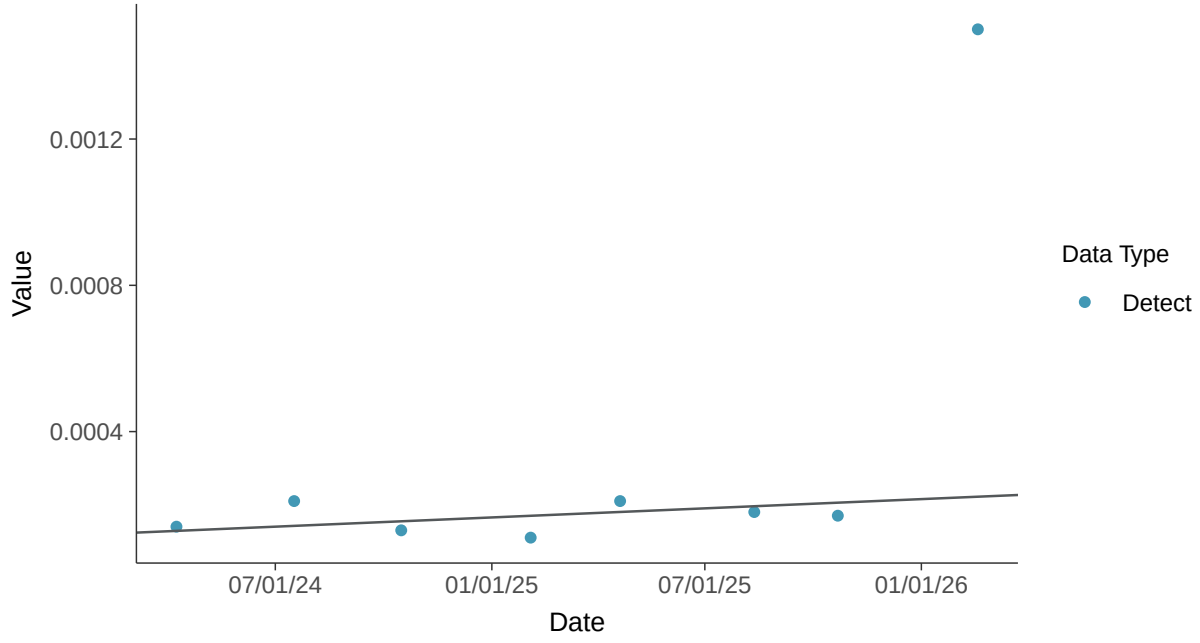
Normal Q-Q plot

Selenium, MW-17 (mg/L)



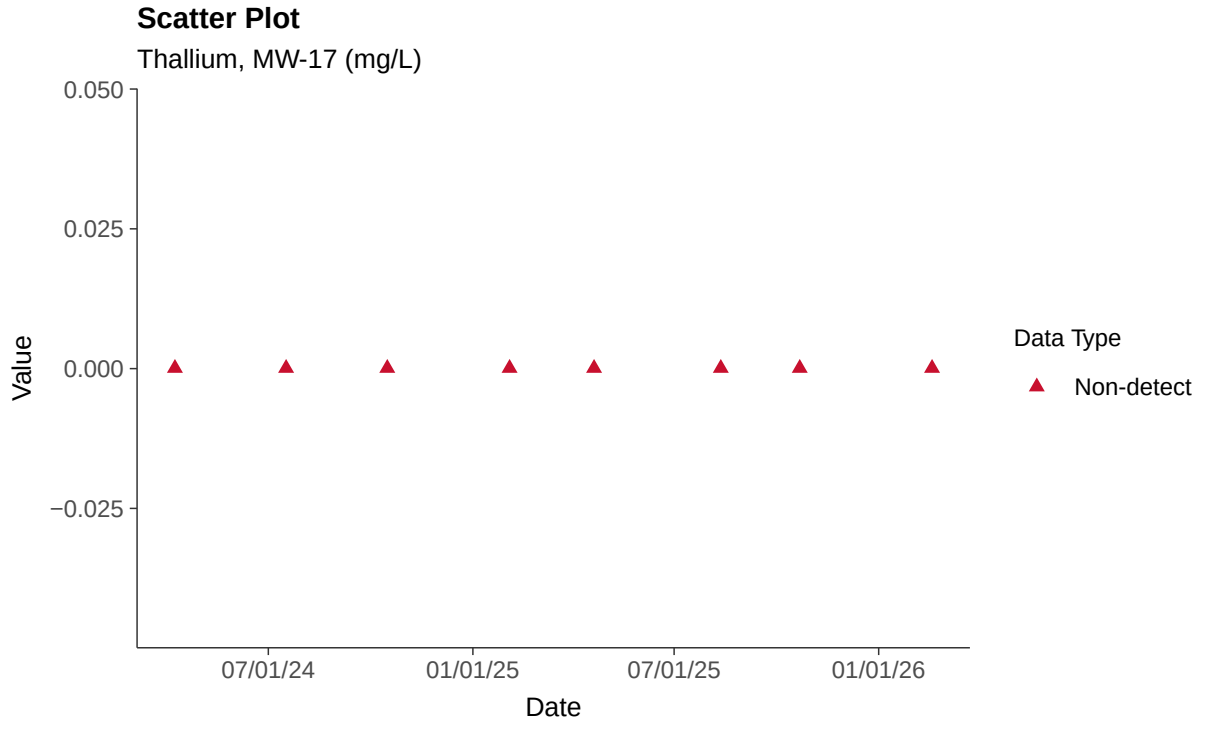
Trend Regression: Mann-Kendall/Theil-Sen Estimate

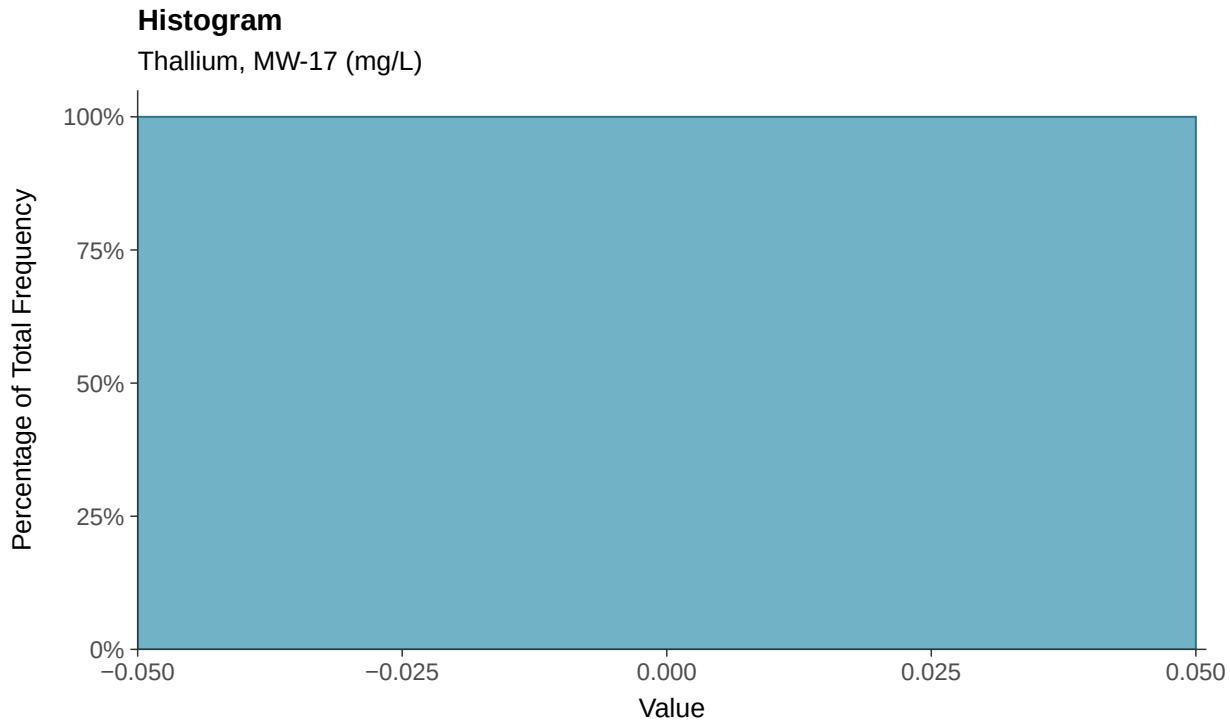
Selenium, MW-17 (mg/L)



Appendix IV: Thallium, MW-17

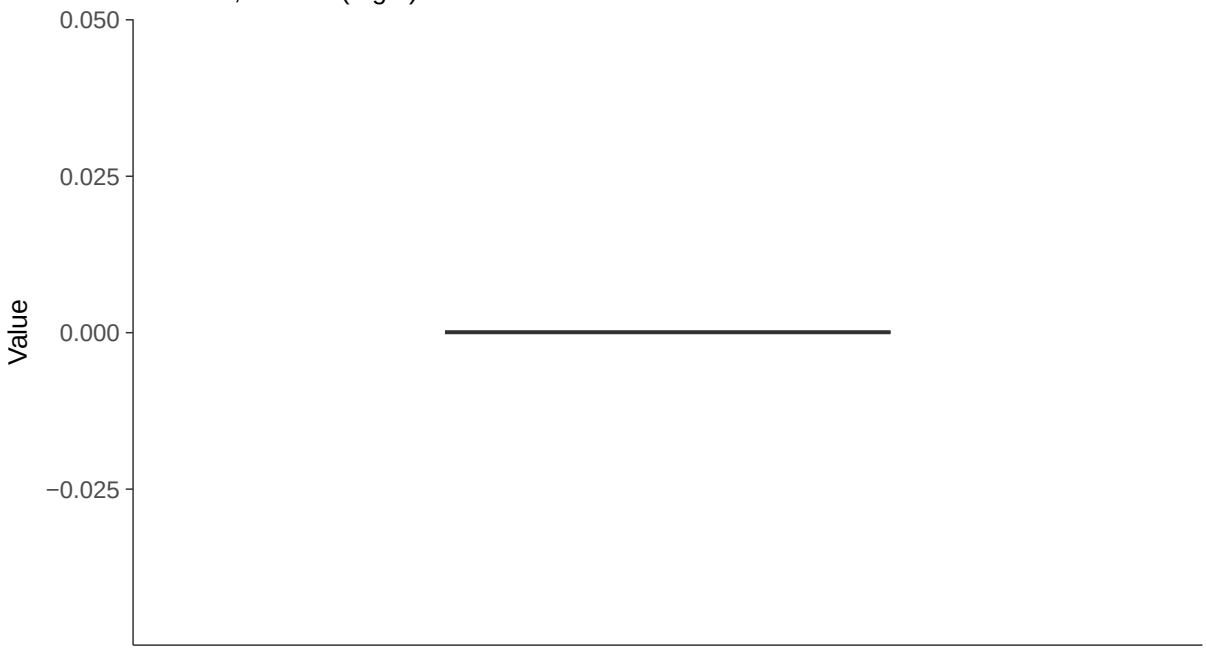
ID: 27_1_4_125





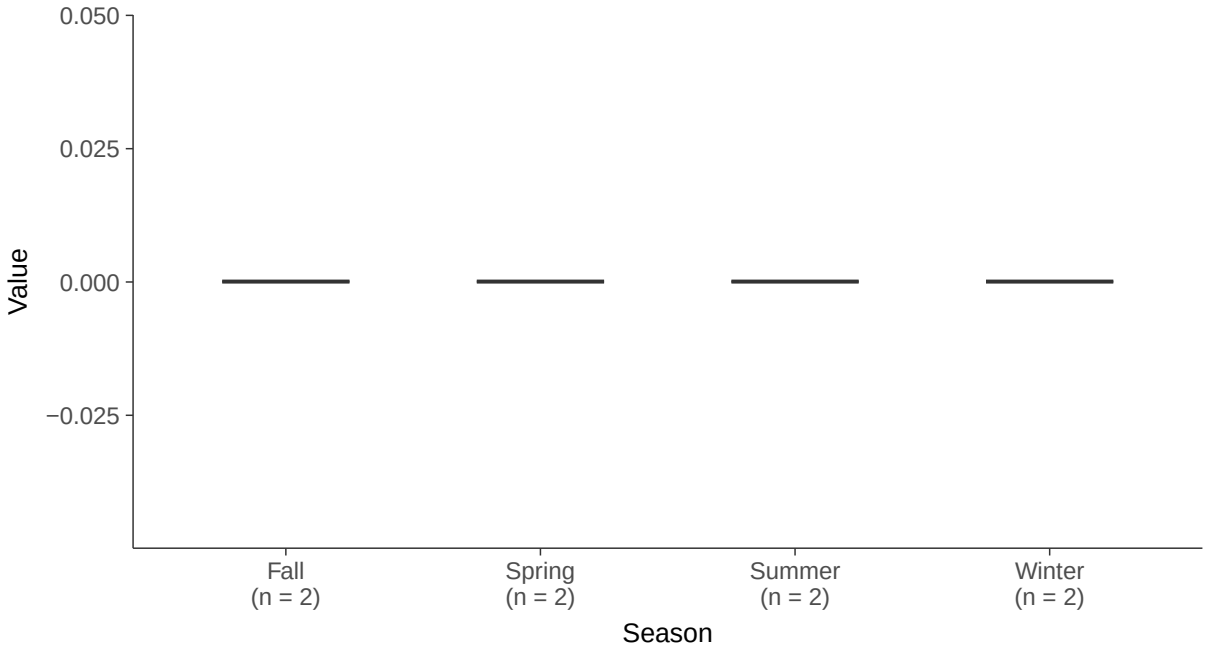
Boxplot

Thallium, MW-17 (mg/L)



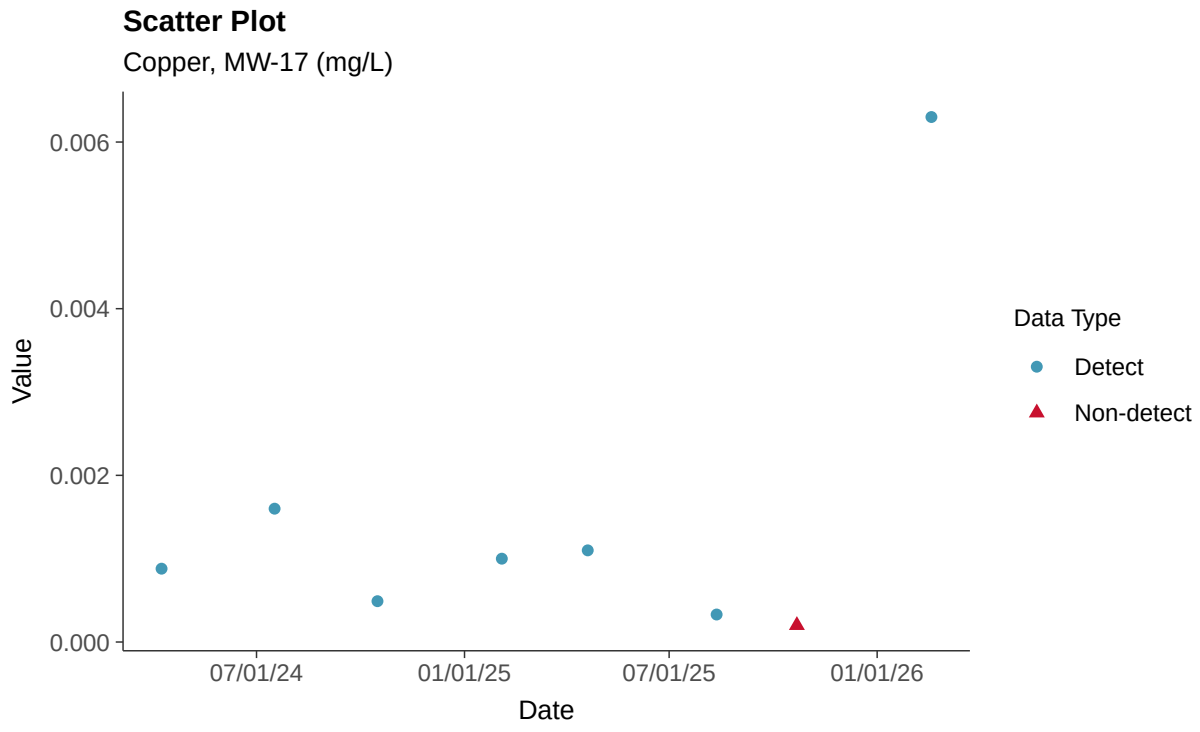
Boxplot by Season

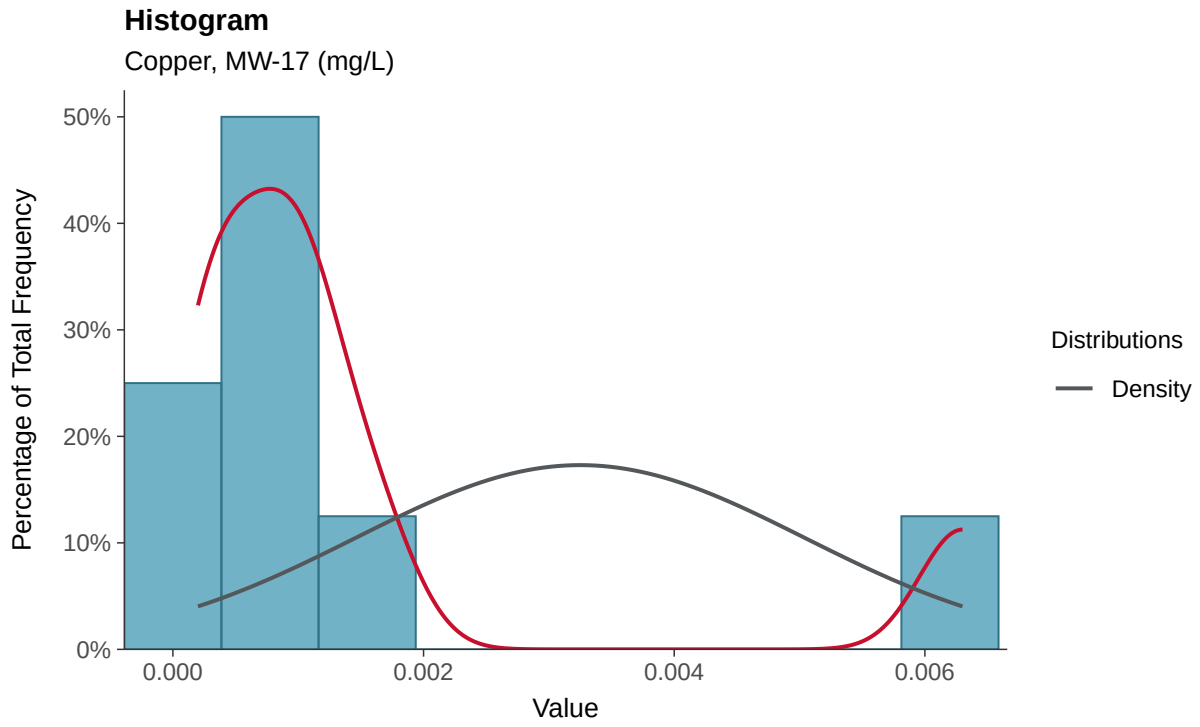
Thallium, MW-17 (mg/L)



Part 115: Copper, MW-17

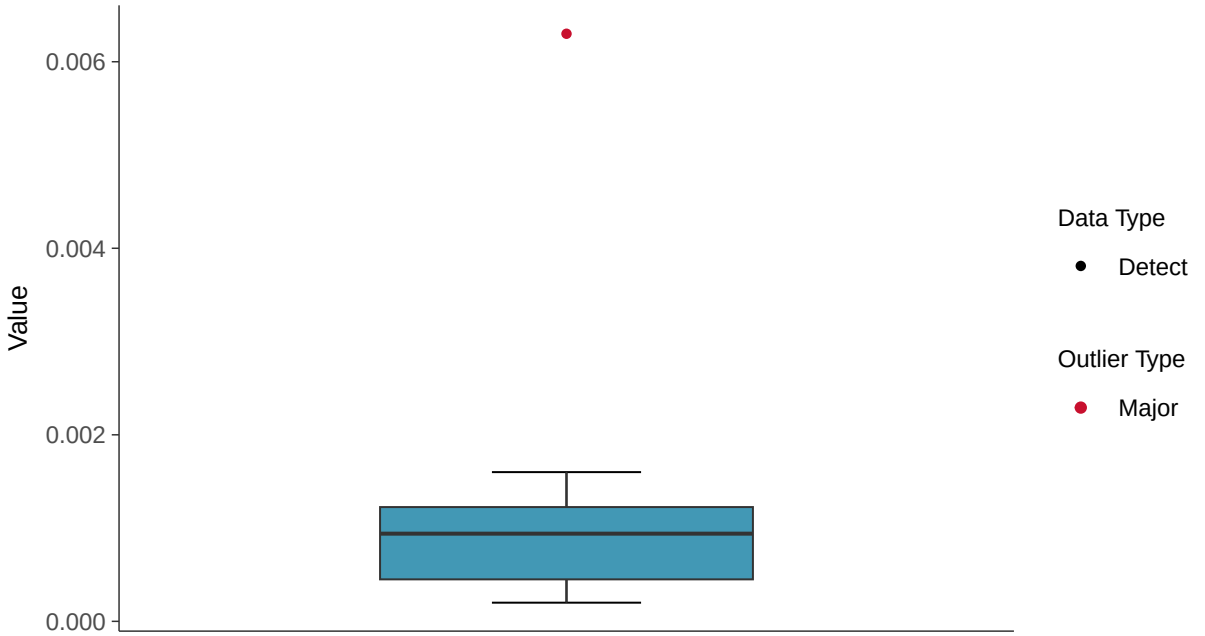
ID: 27_1_5_111





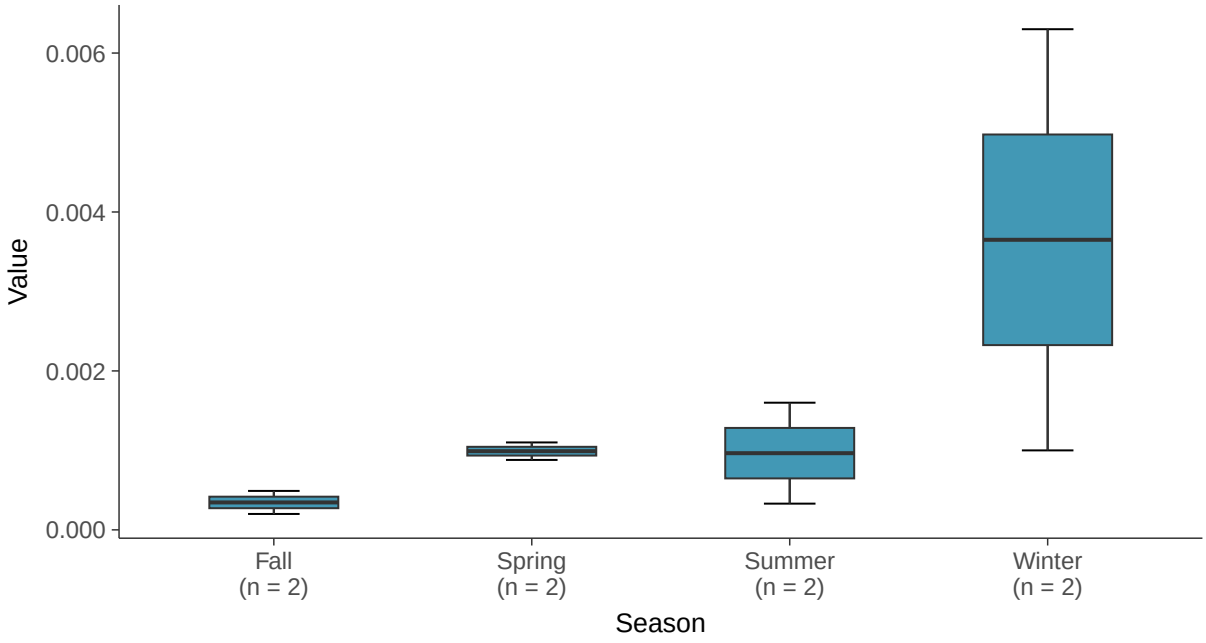
Boxplot

Copper, MW-17 (mg/L)



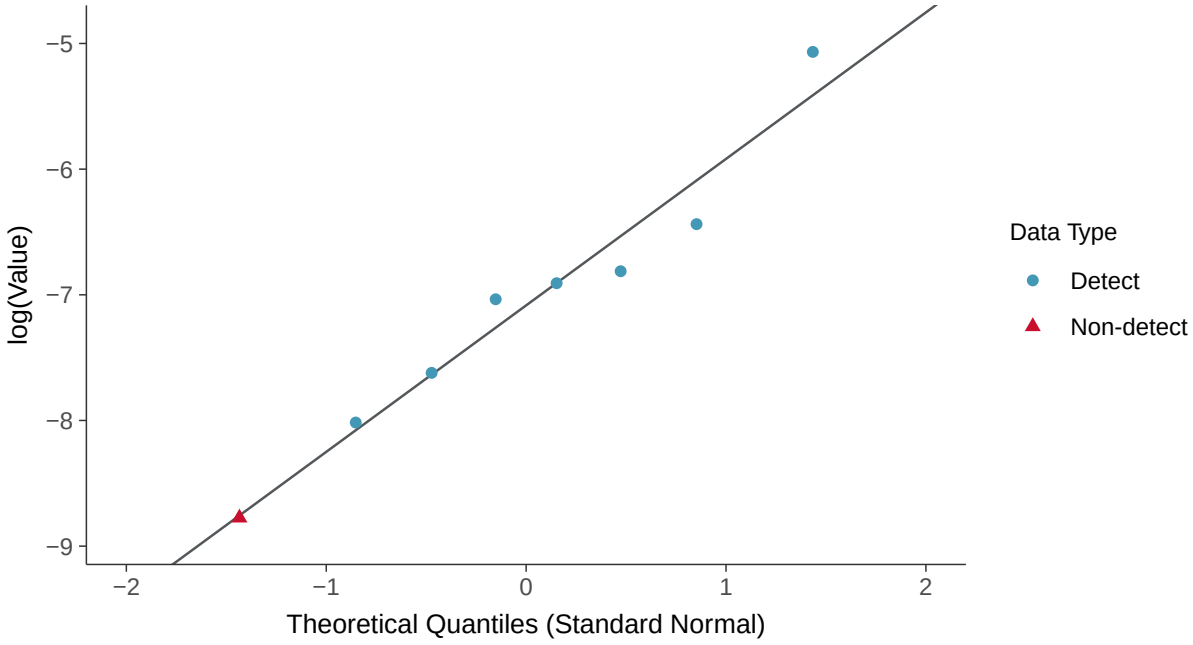
Boxplot by Season

Copper, MW-17 (mg/L)



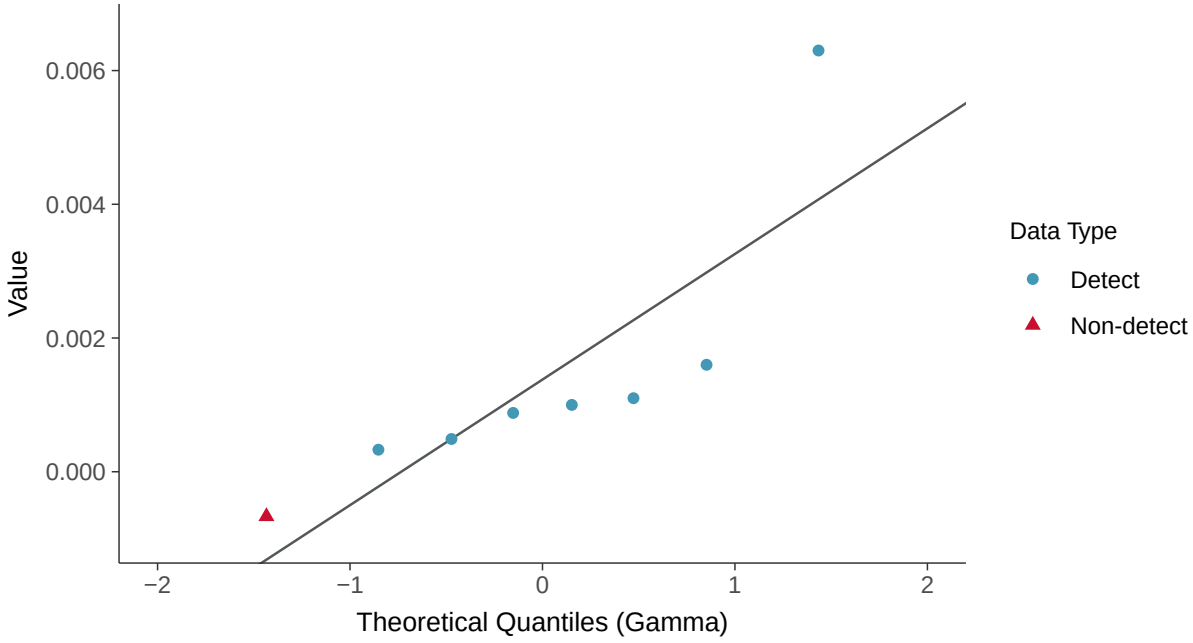
Lognormal Q-Q plot using ROS Imputed Estimates

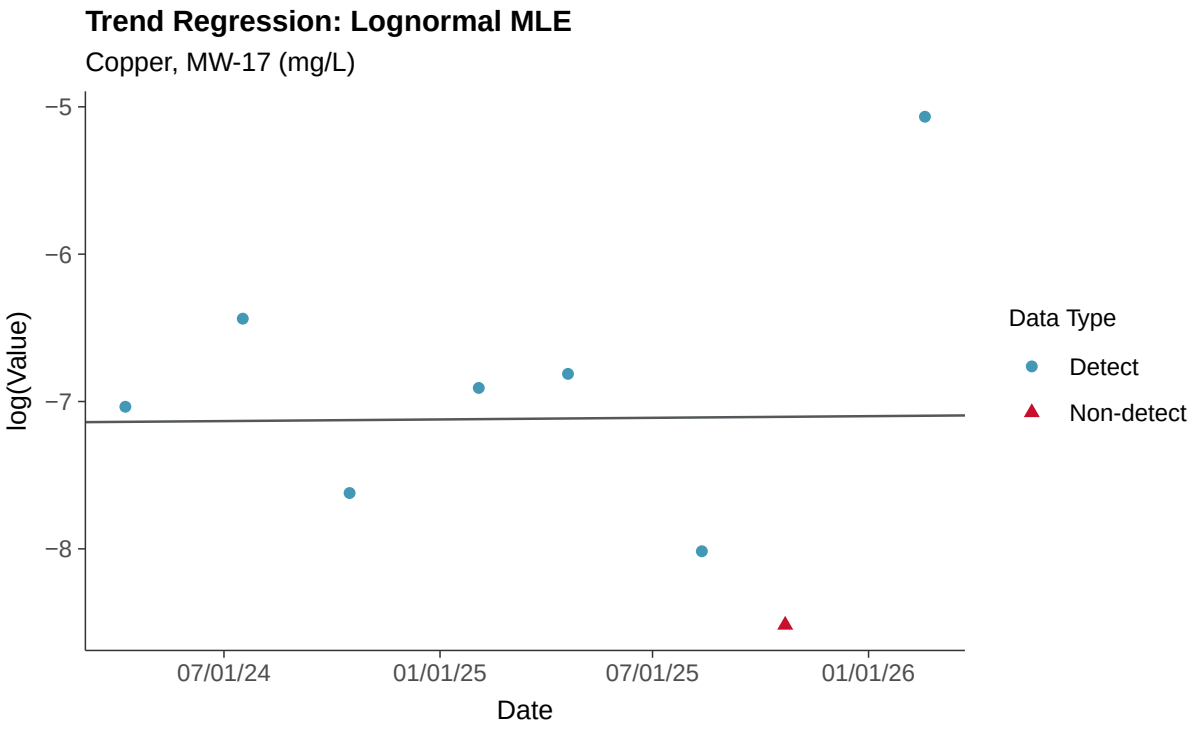
Copper, MW-17 (mg/L)



Gamma Q-Q plot using ROS Imputed Estimates

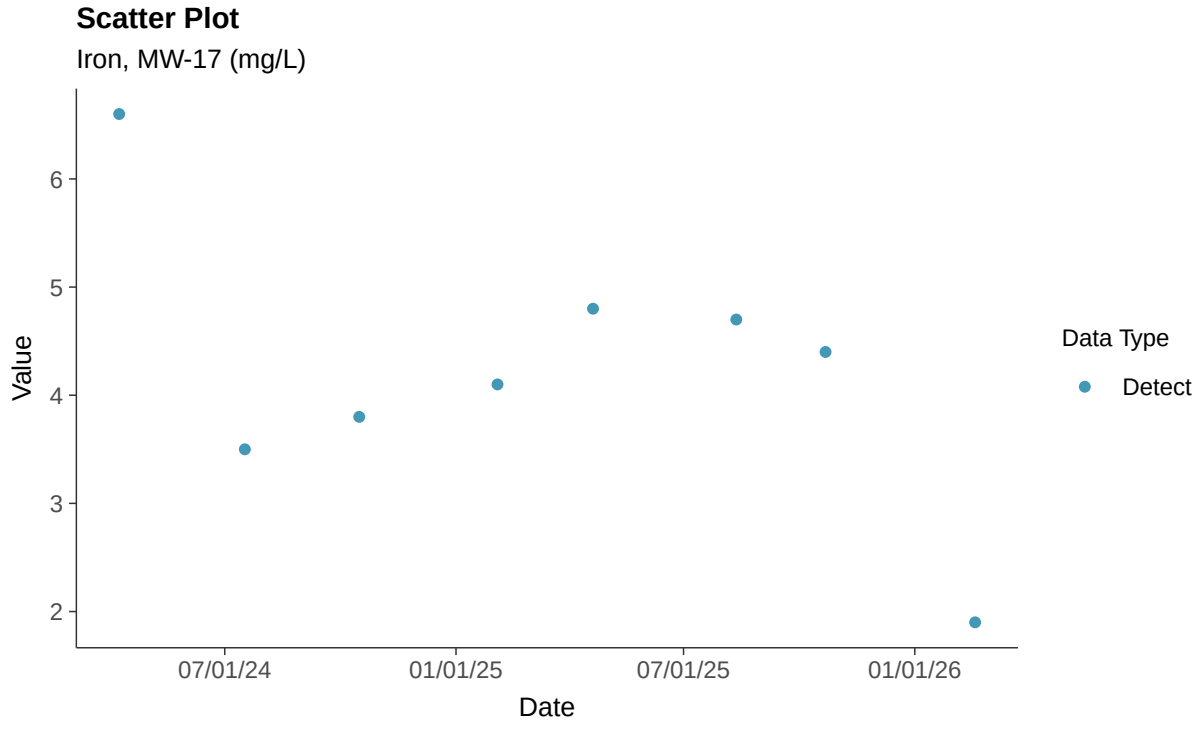
Copper, MW-17 (mg/L)

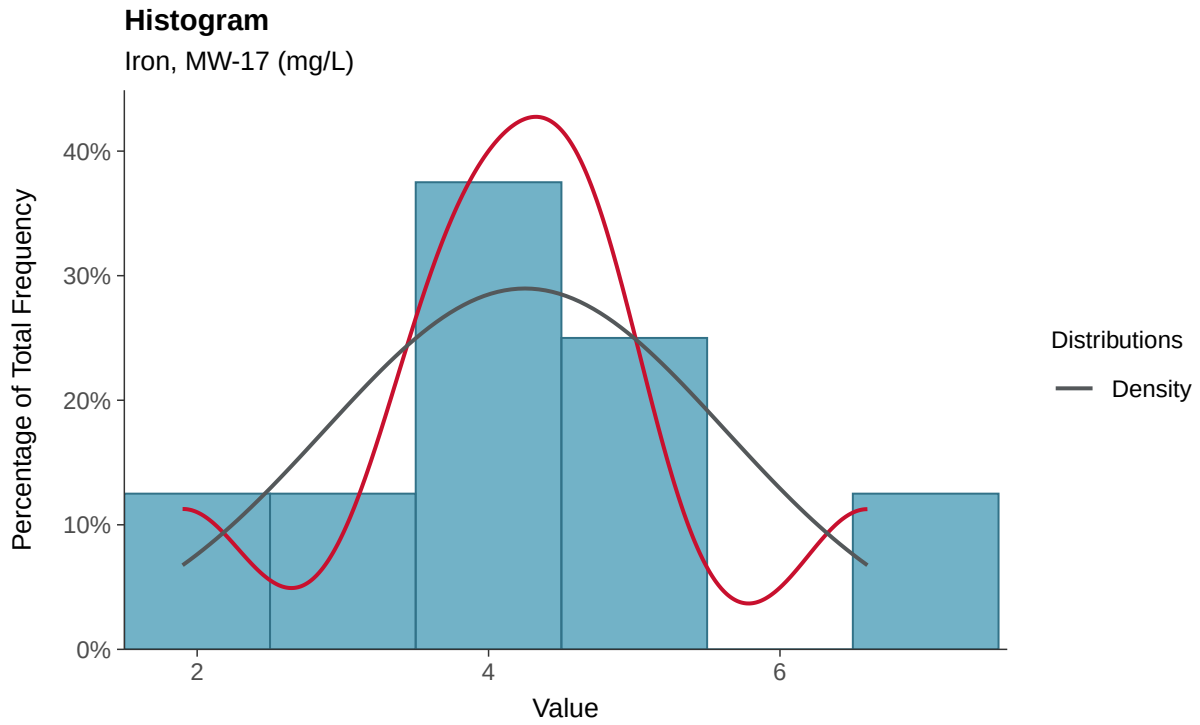



Trend Regression: Lognormal MLE
Copper, MW-17 (mg/L)
log(Value)
−5
−6
−7
−8
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Iron, MW-17

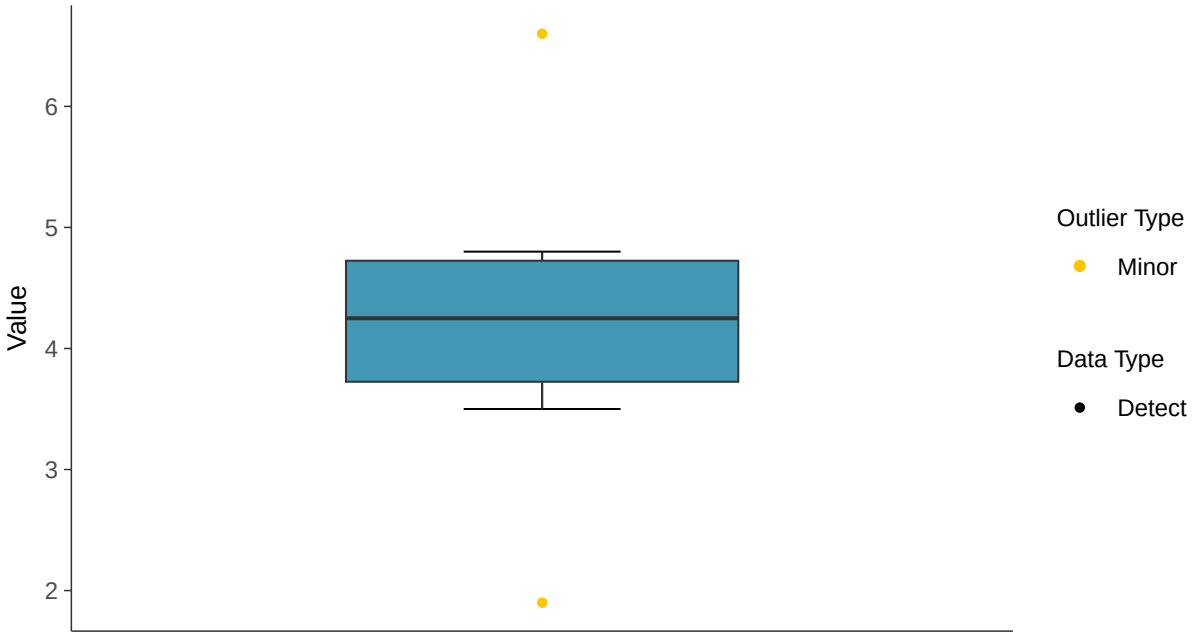
ID: 27_1_5_114





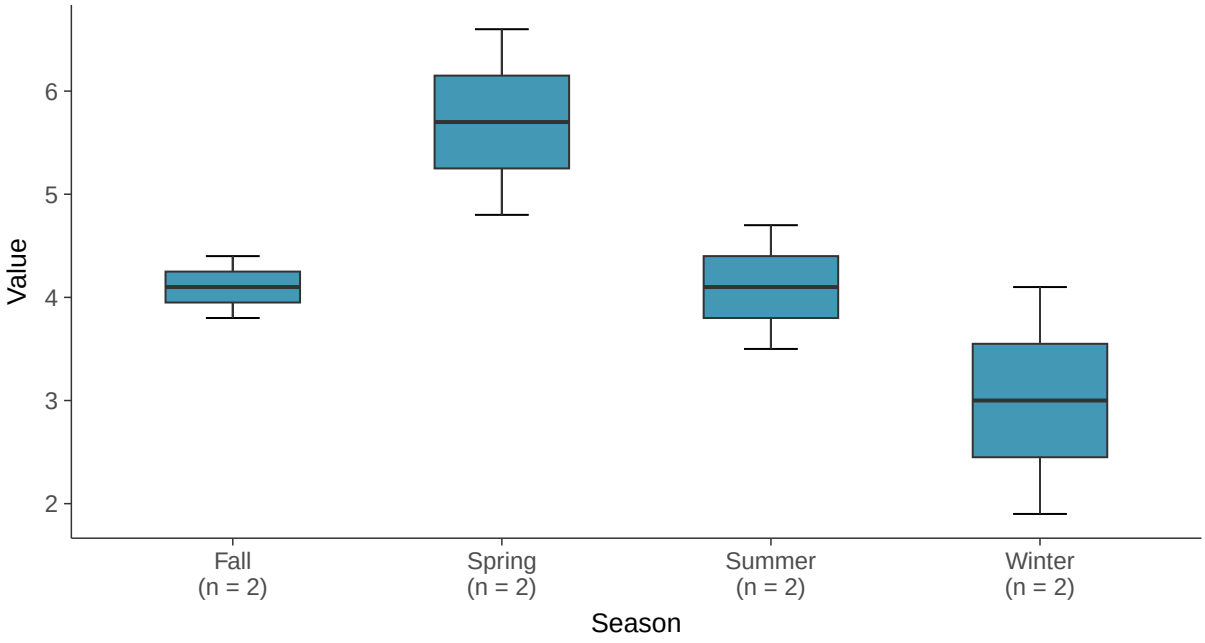
Boxplot

Iron, MW-17 (mg/L)



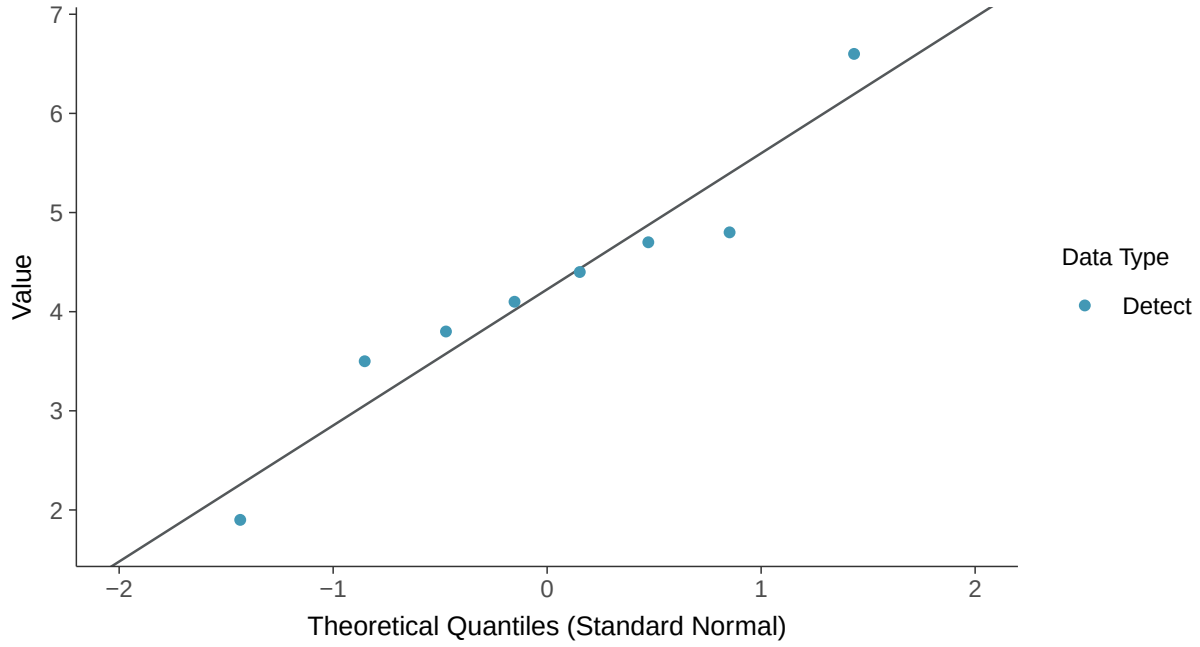
Boxplot by Season

Iron, MW-17 (mg/L)



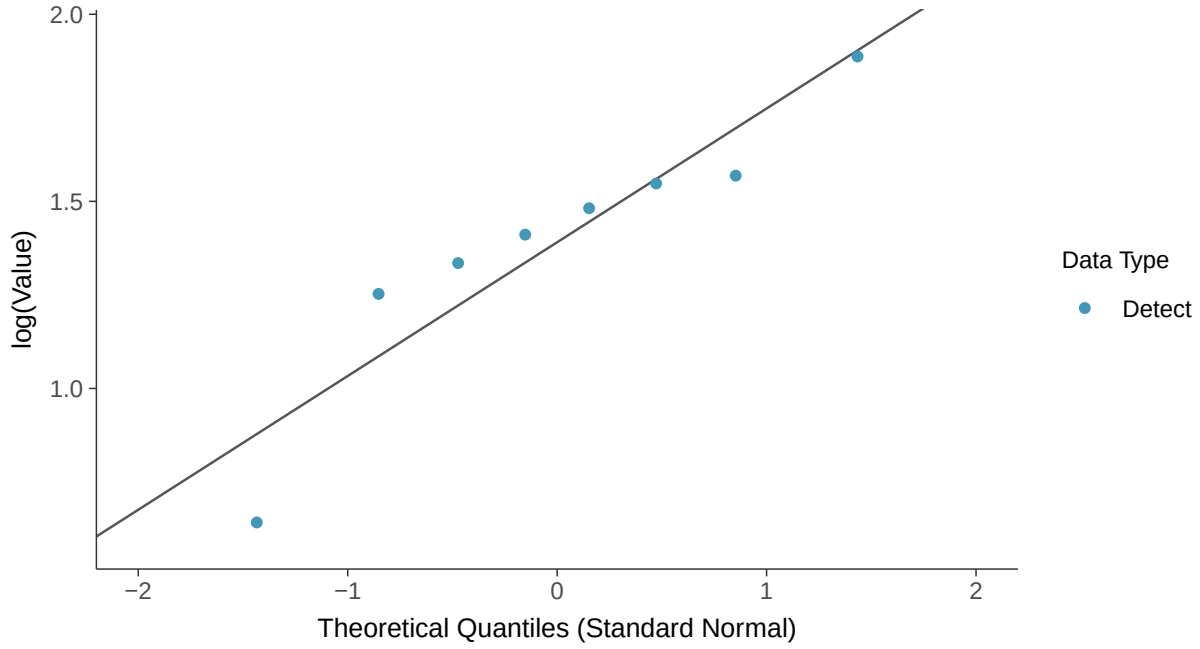
Normal Q-Q plot

Iron, MW-17 (mg/L)



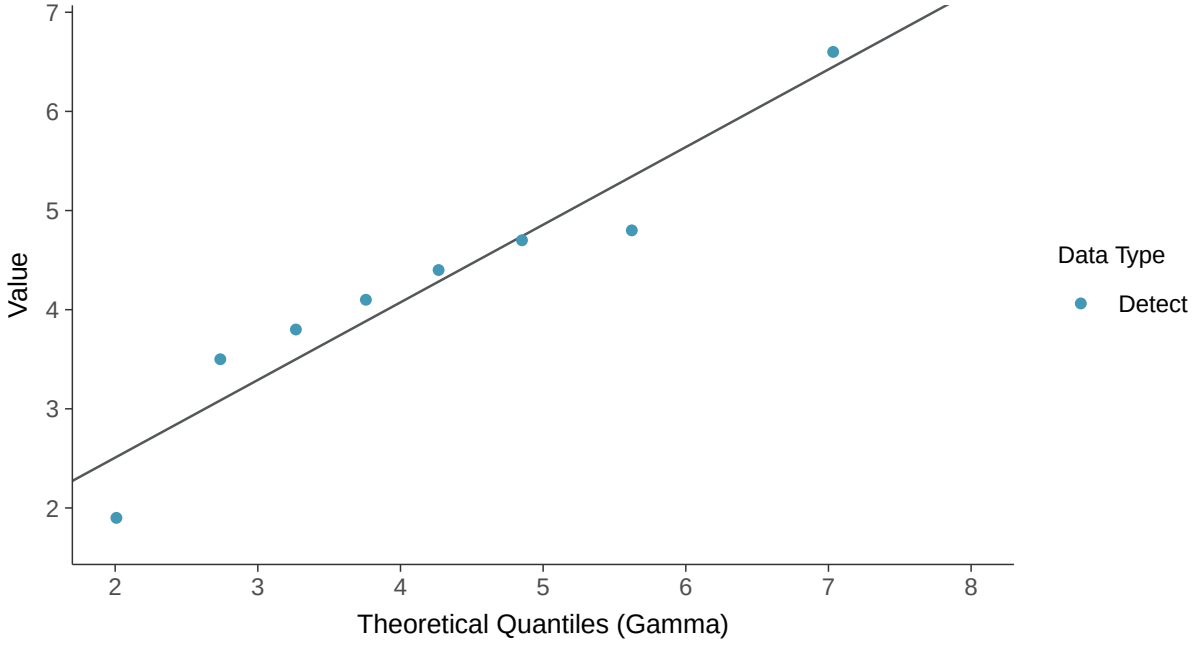
Lognormal Q-Q plot

Iron, MW-17 (mg/L)



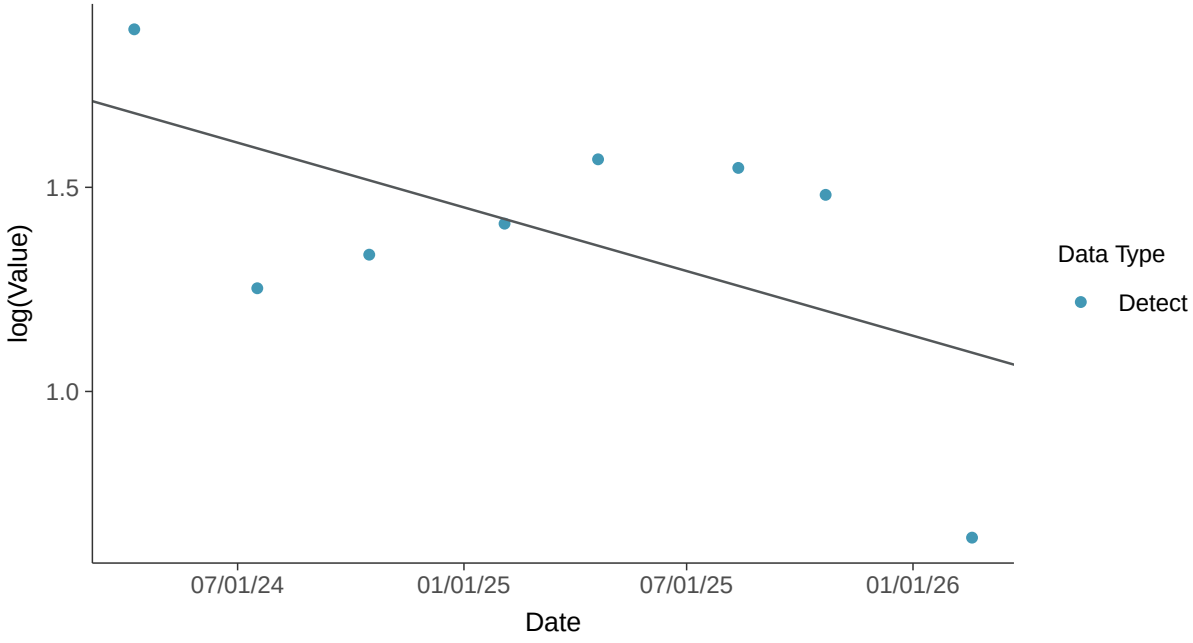
Gamma Q-Q plot

Iron, MW-17 (mg/L)



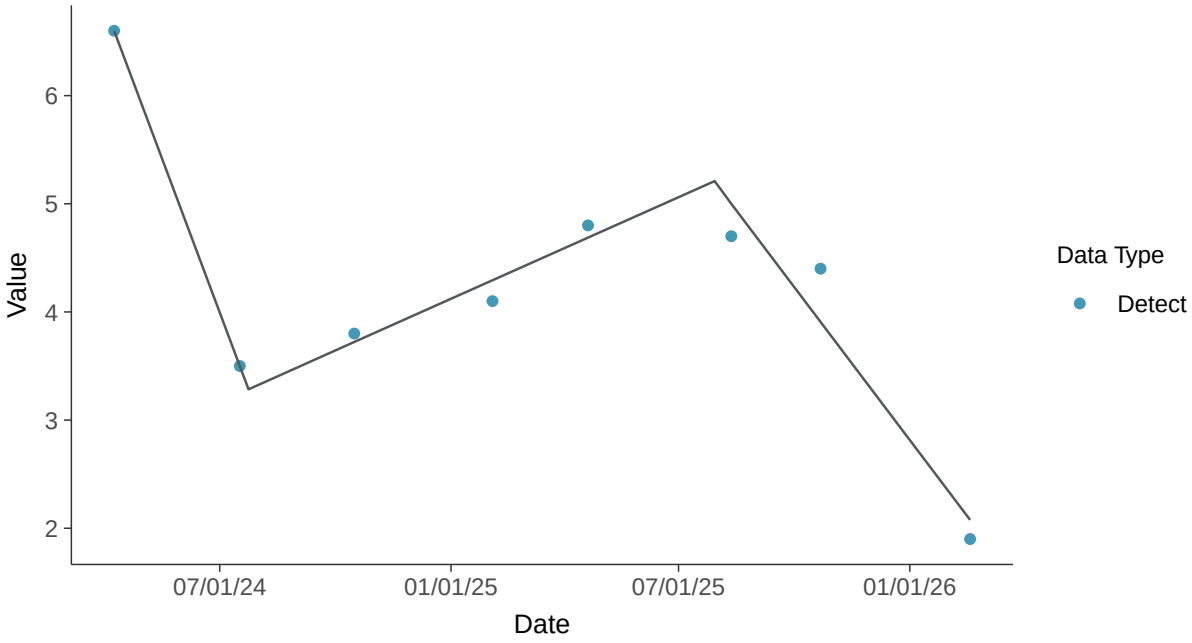
Trend Regression: Lognormal MLE

Iron, MW-17 (mg/L)



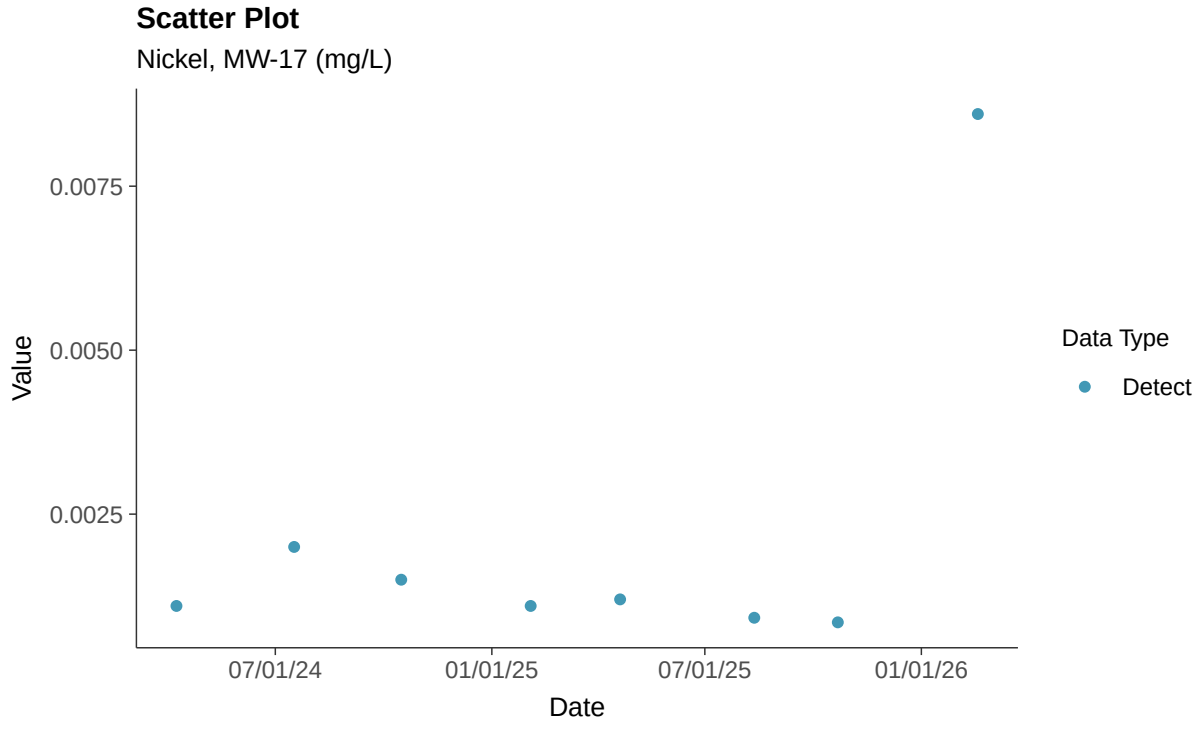
Trend Regression: Piecewise Linear-Linear-Linear

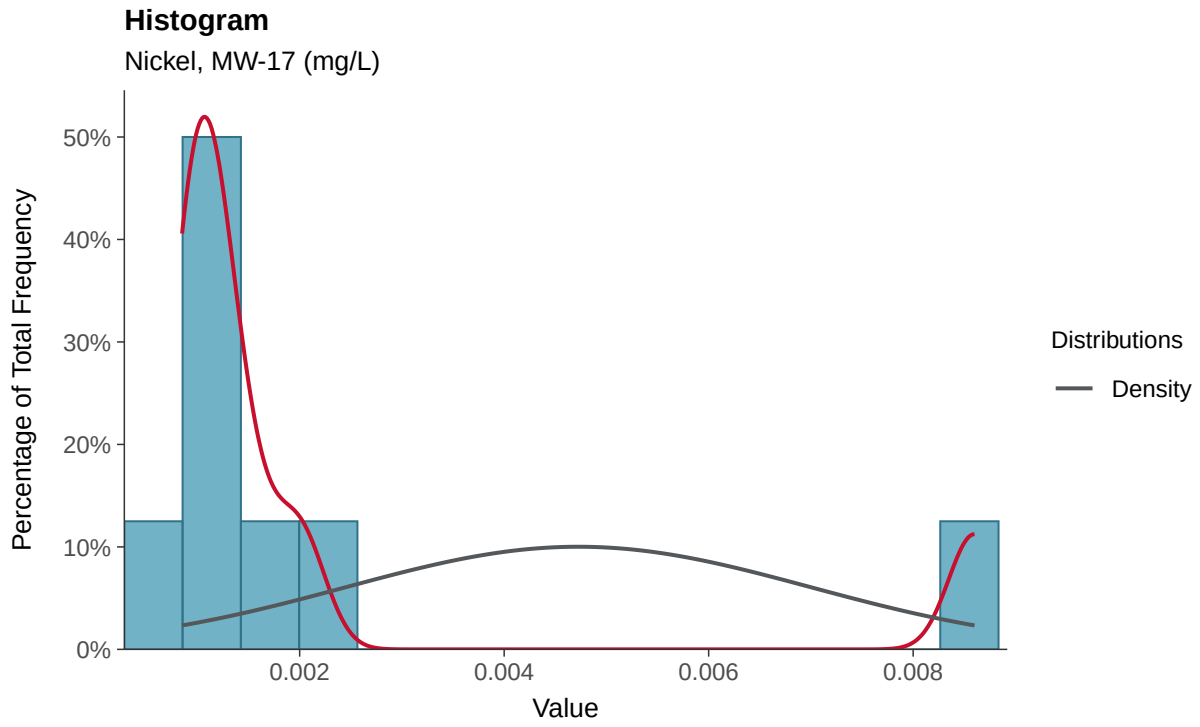
Iron, MW-17 (mg/L)



Part 115: Nickel, MW-17

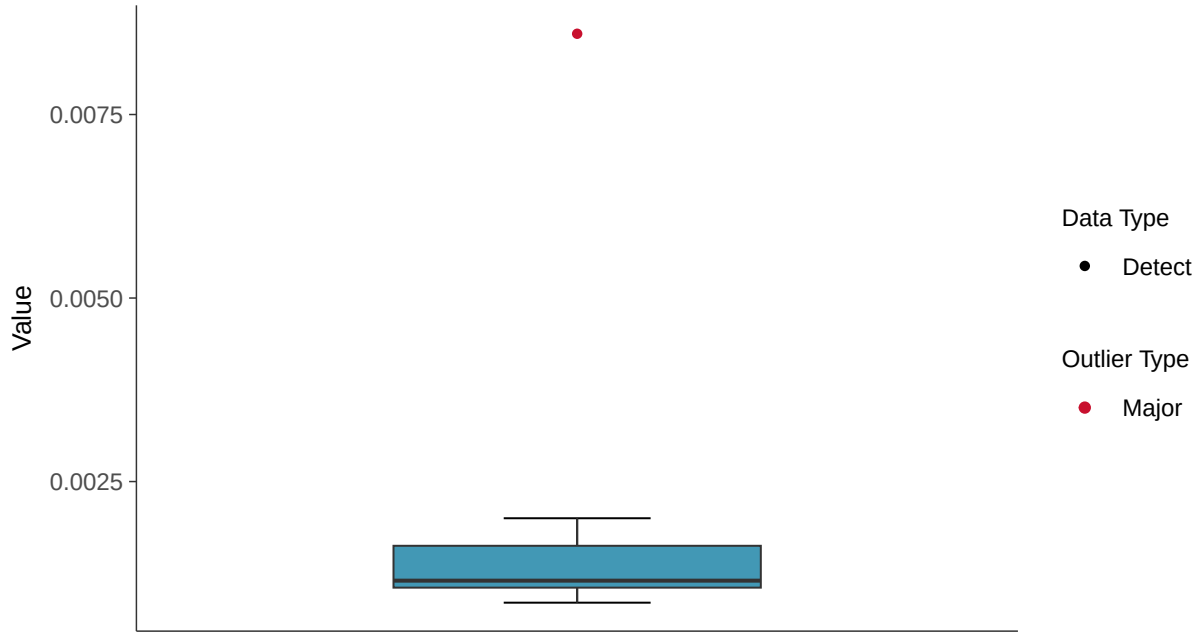
ID: 27_1_5_119





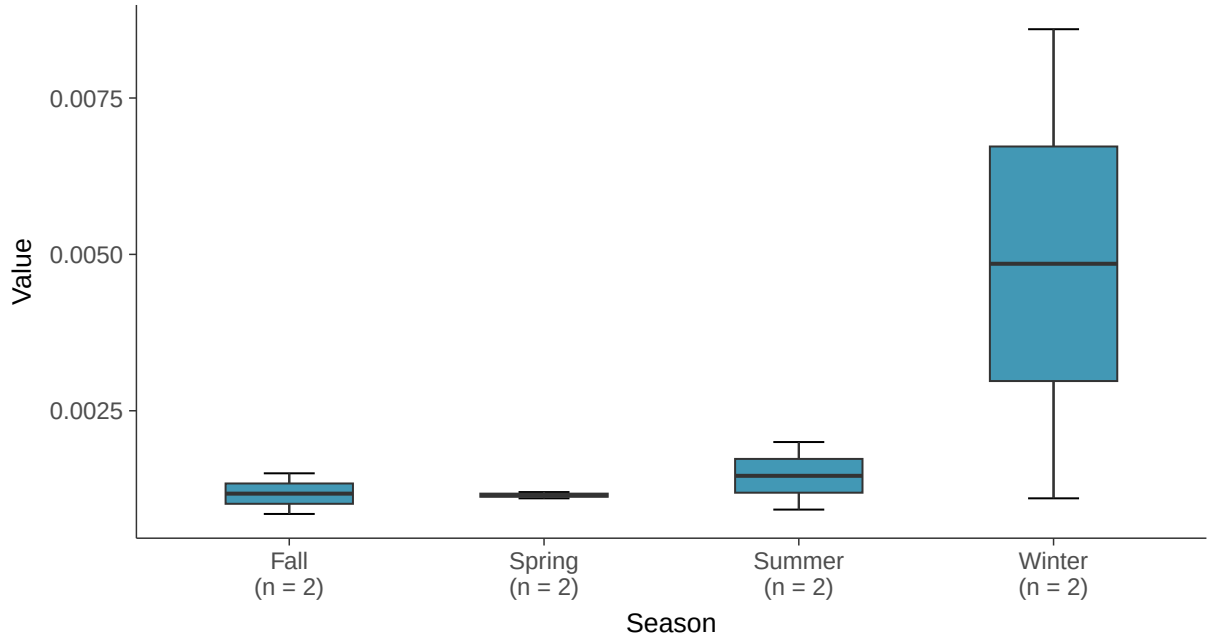
Boxplot

Nickel, MW-17 (mg/L)



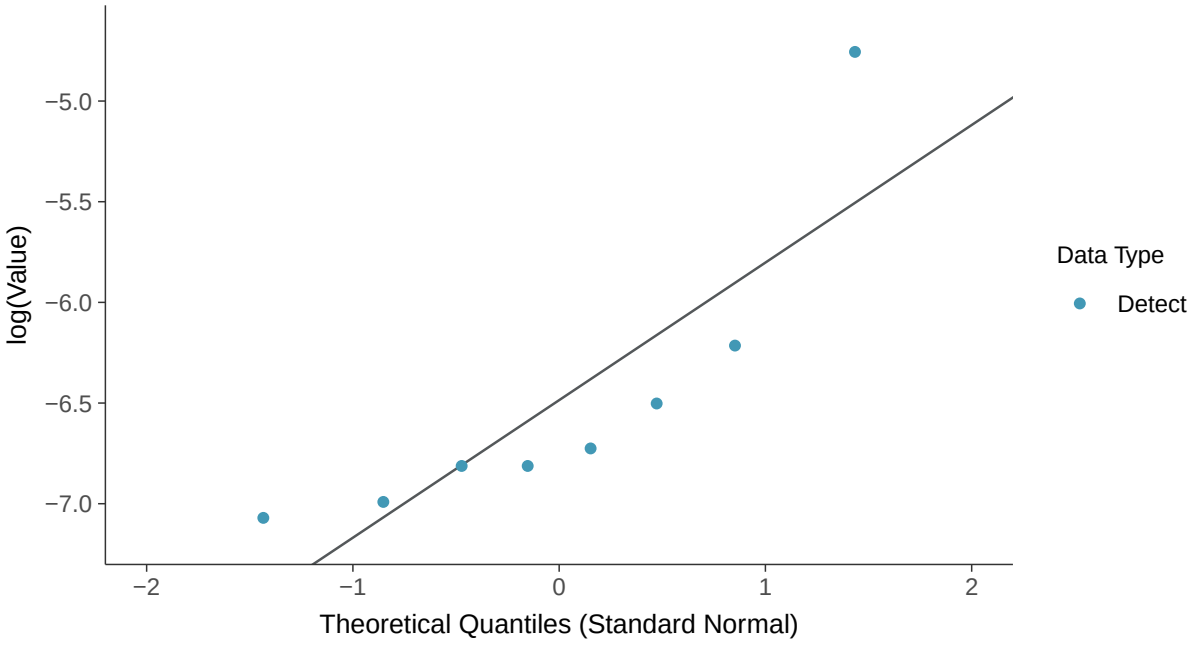
Boxplot by Season

Nickel, MW-17 (mg/L)



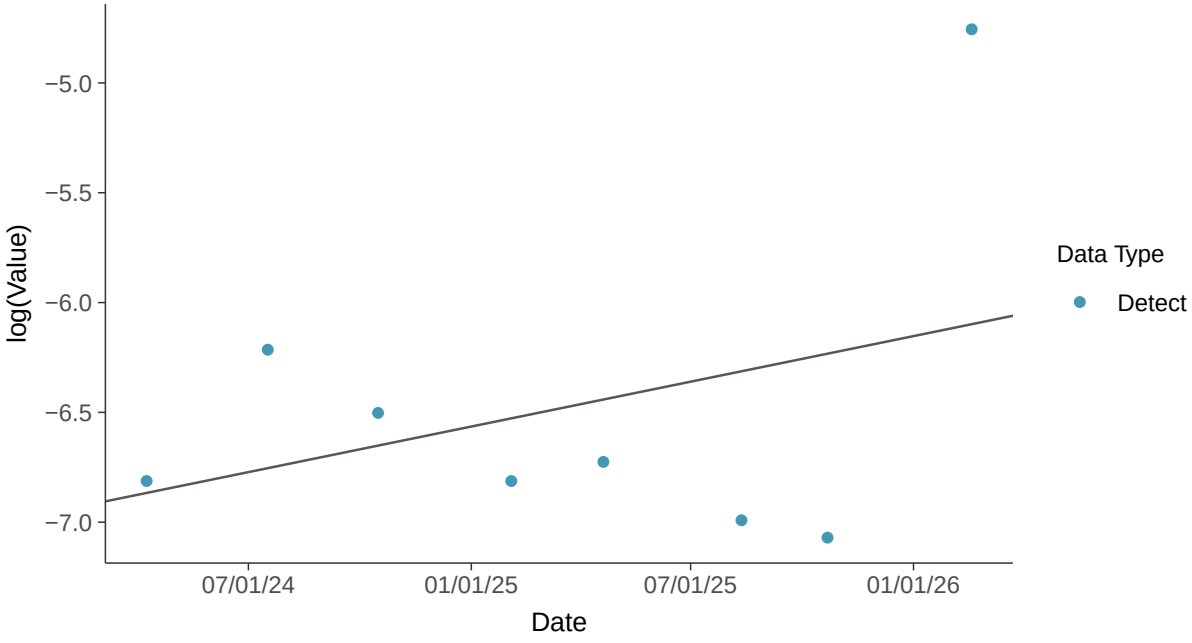
Lognormal Q-Q plot

Nickel, MW-17 (mg/L)



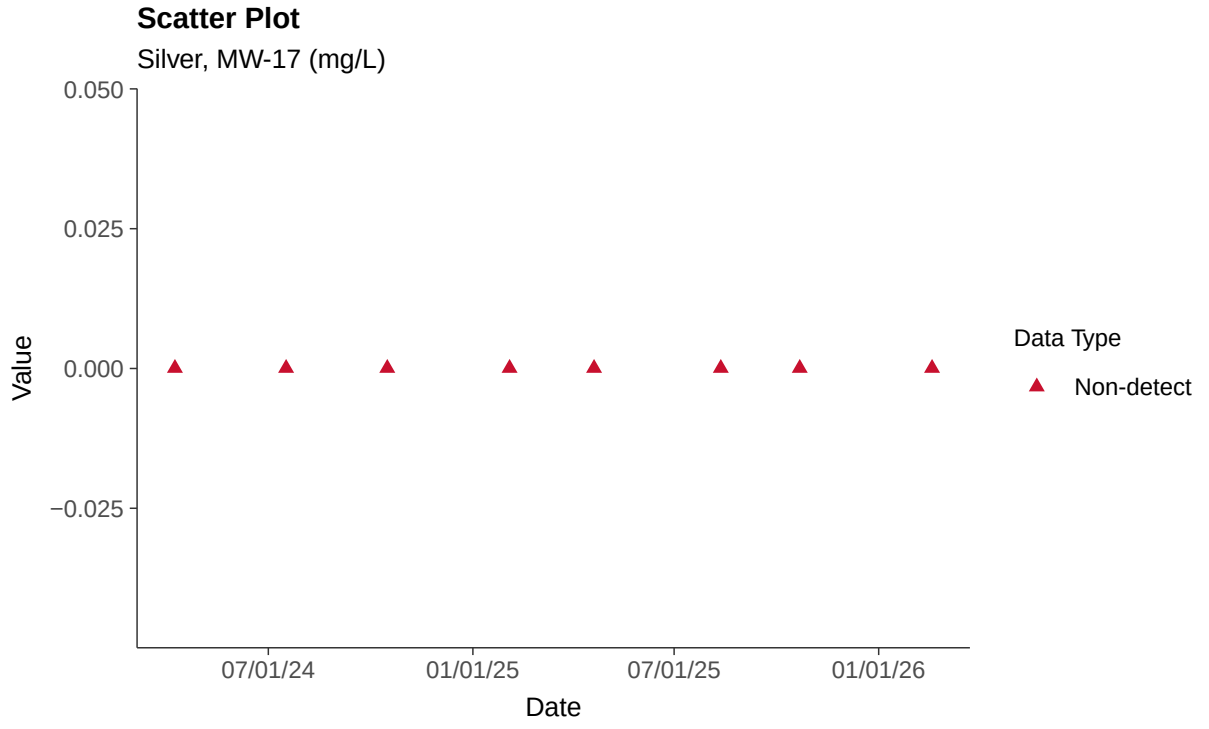
Trend Regression: Lognormal MLE

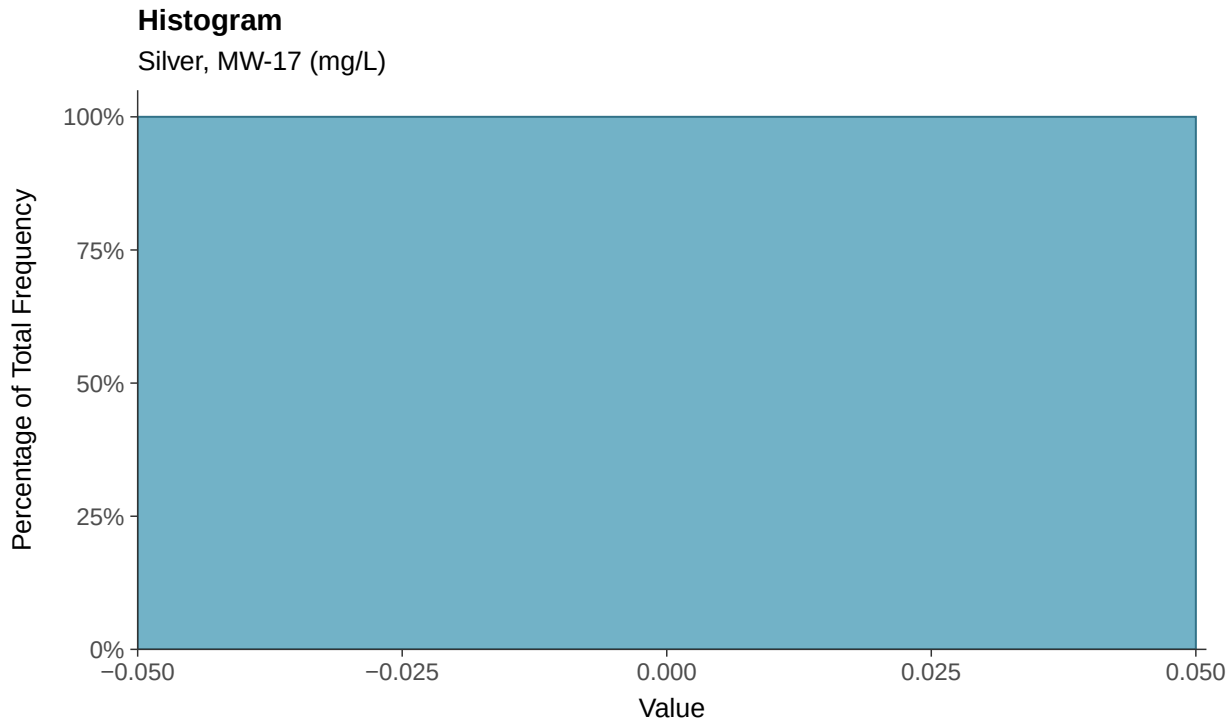
Nickel, MW-17 (mg/L)



Part 115: Silver, MW-17

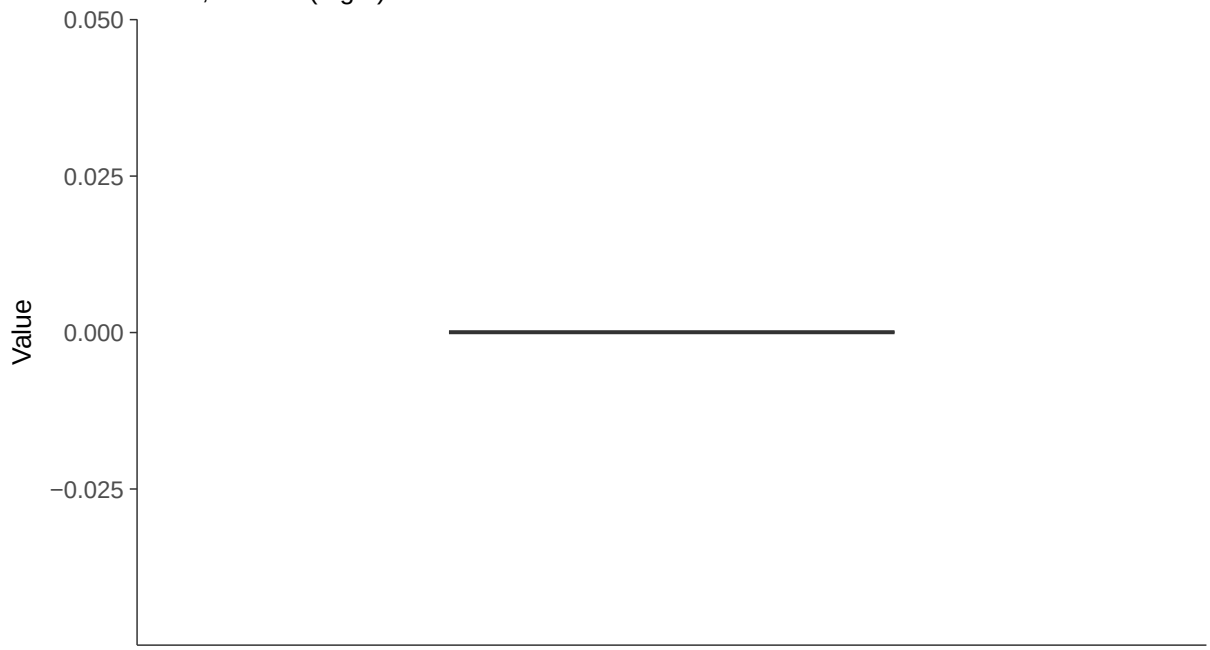
ID: 27_1_5_123





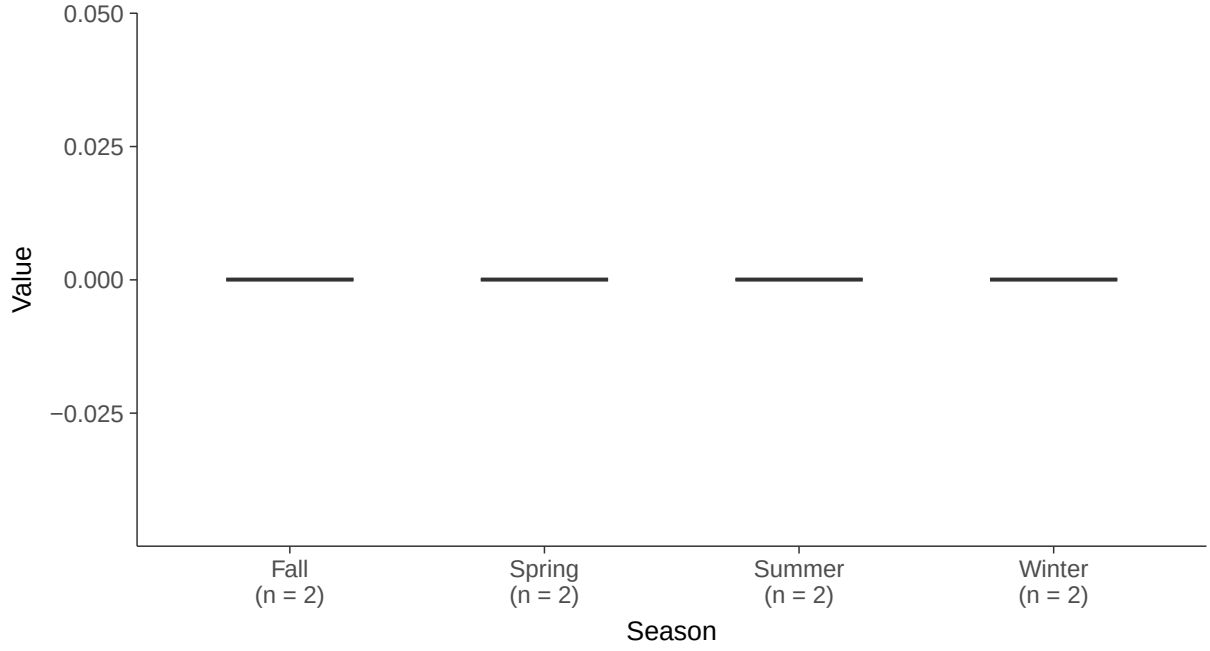
Boxplot

Silver, MW-17 (mg/L)



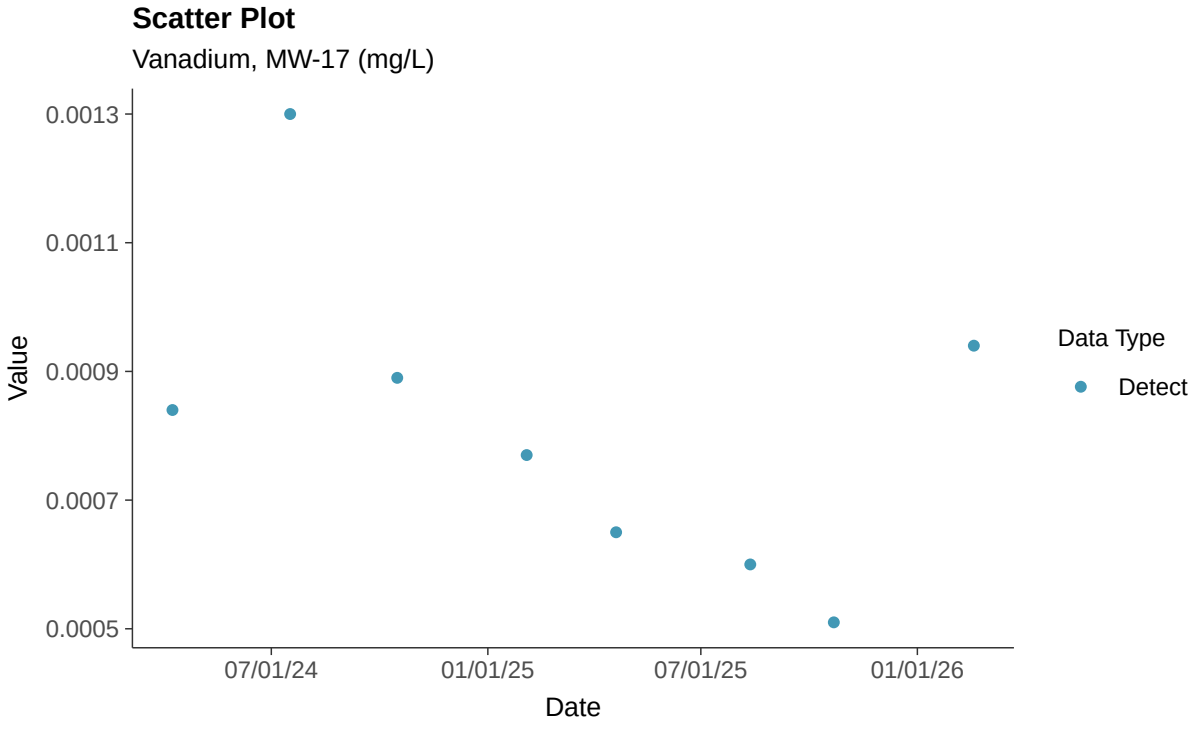
Boxplot by Season

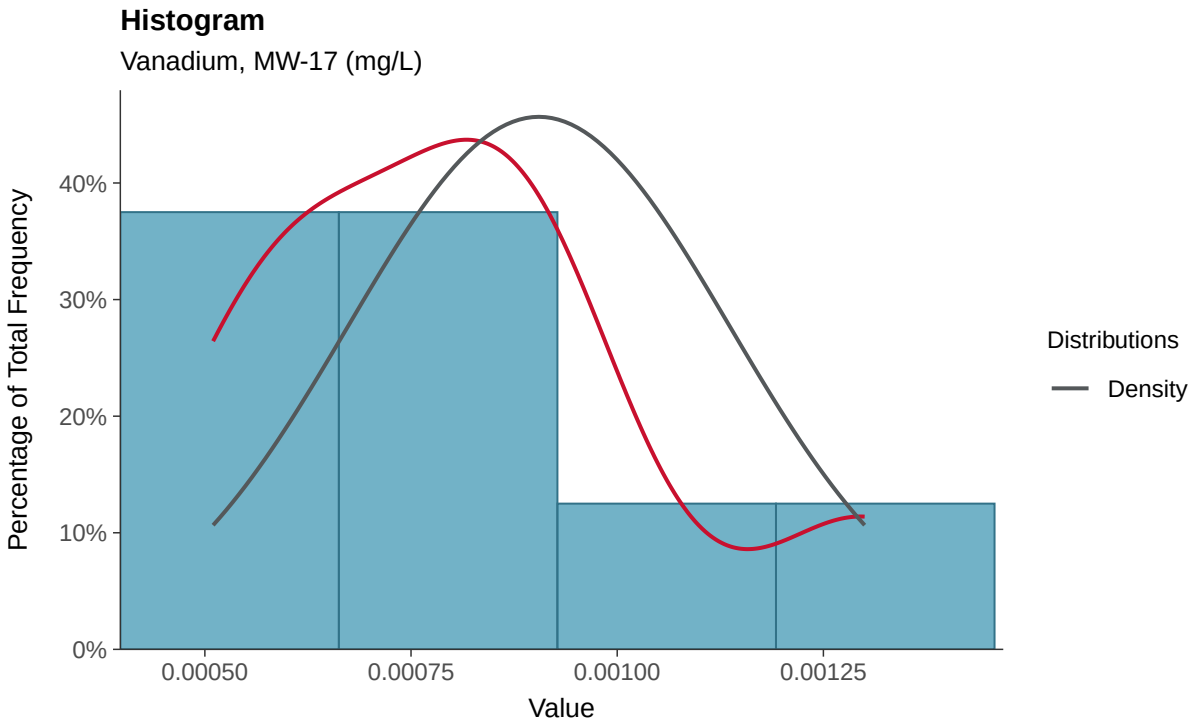
Silver, MW-17 (mg/L)



Part 115: Vanadium, MW-17

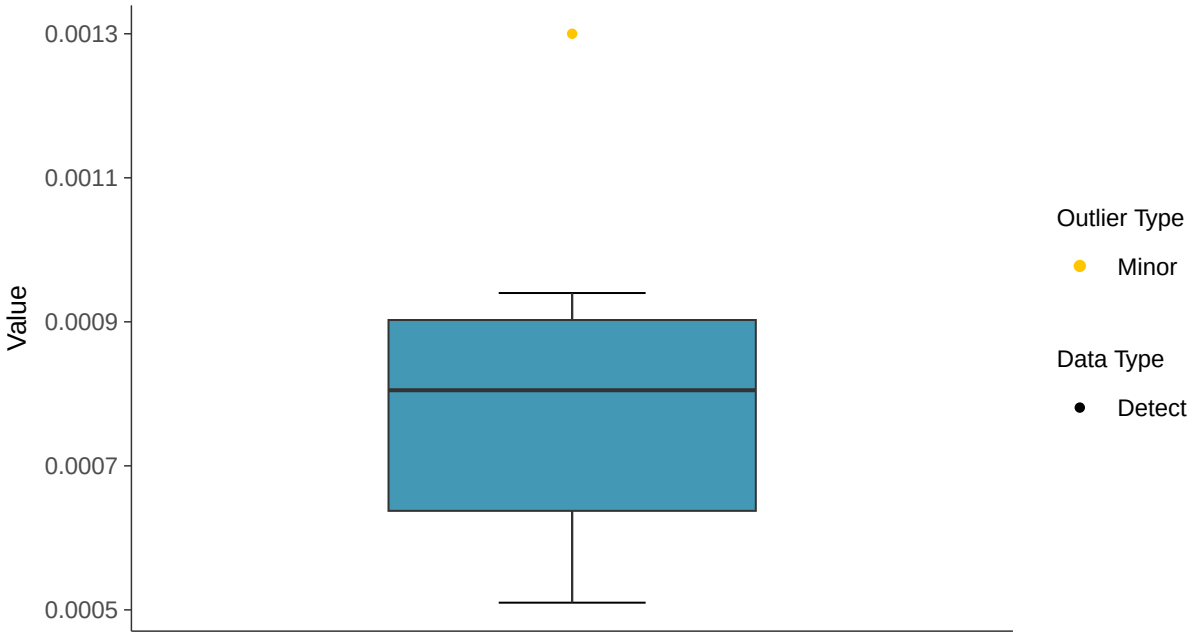
ID: 27_1_5_128





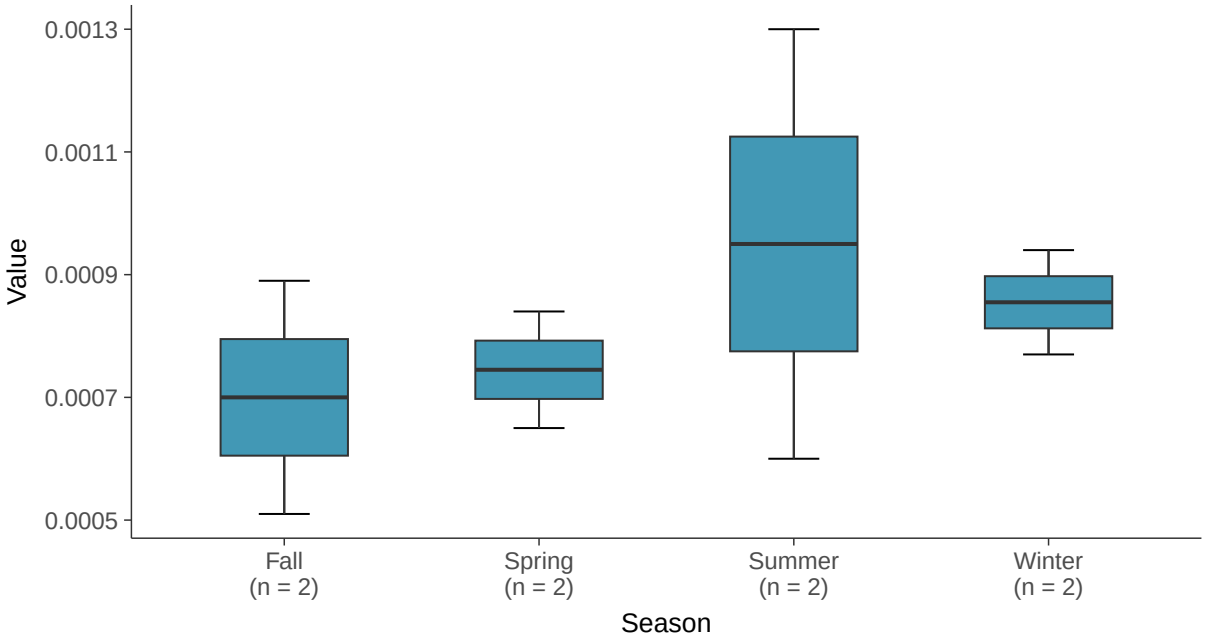
Boxplot

Vanadium, MW-17 (mg/L)



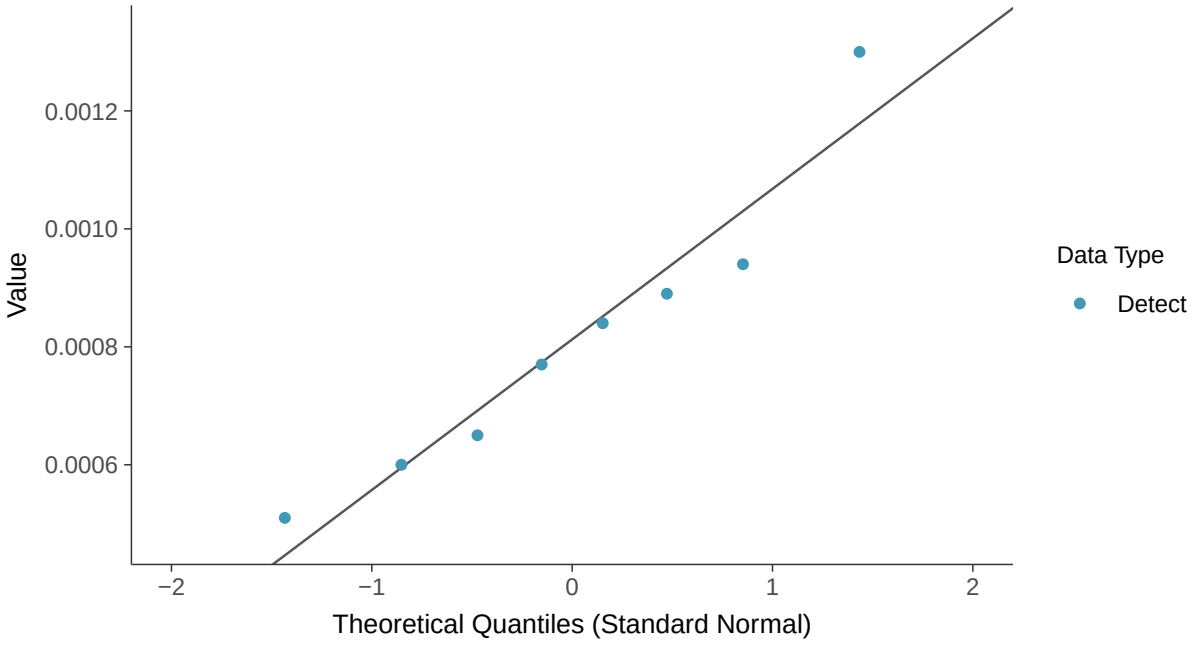
Boxplot by Season

Vanadium, MW-17 (mg/L)



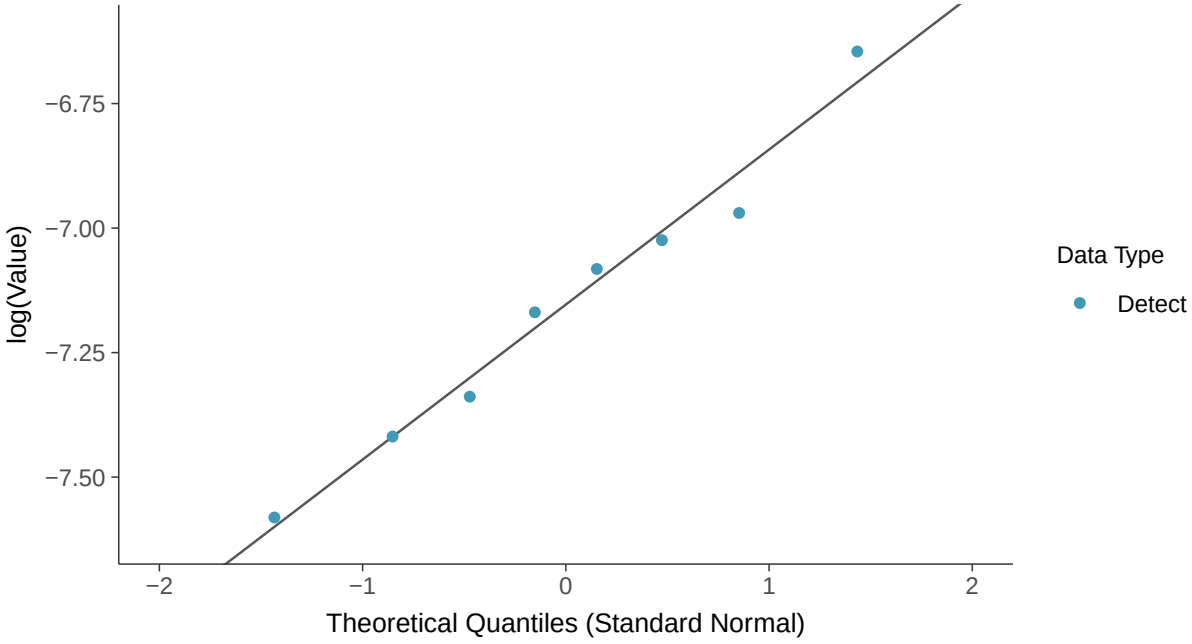
Normal Q-Q plot

Vanadium, MW-17 (mg/L)



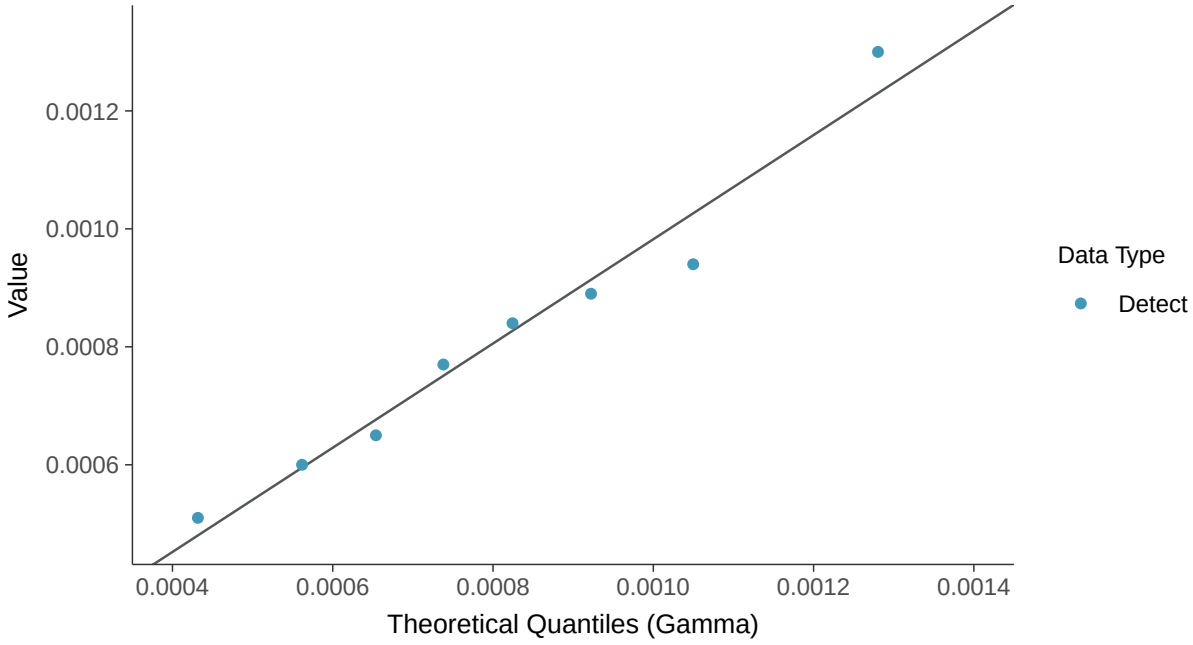
Lognormal Q-Q plot

Vanadium, MW-17 (mg/L)



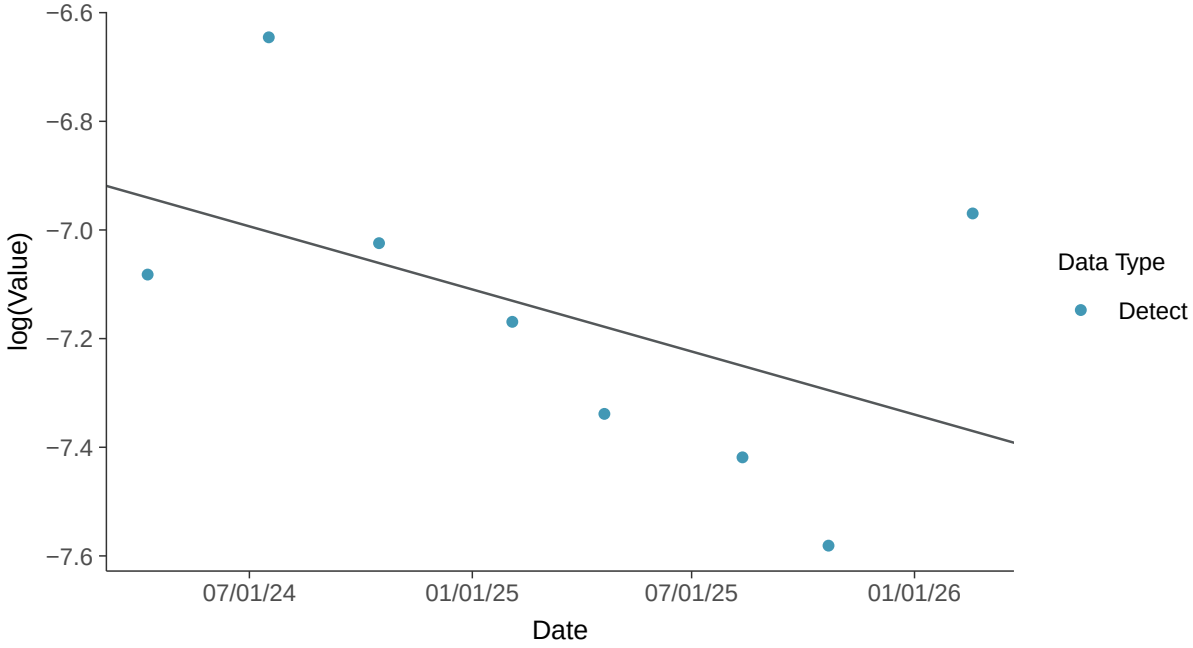
Gamma Q-Q plot

Vanadium, MW-17 (mg/L)



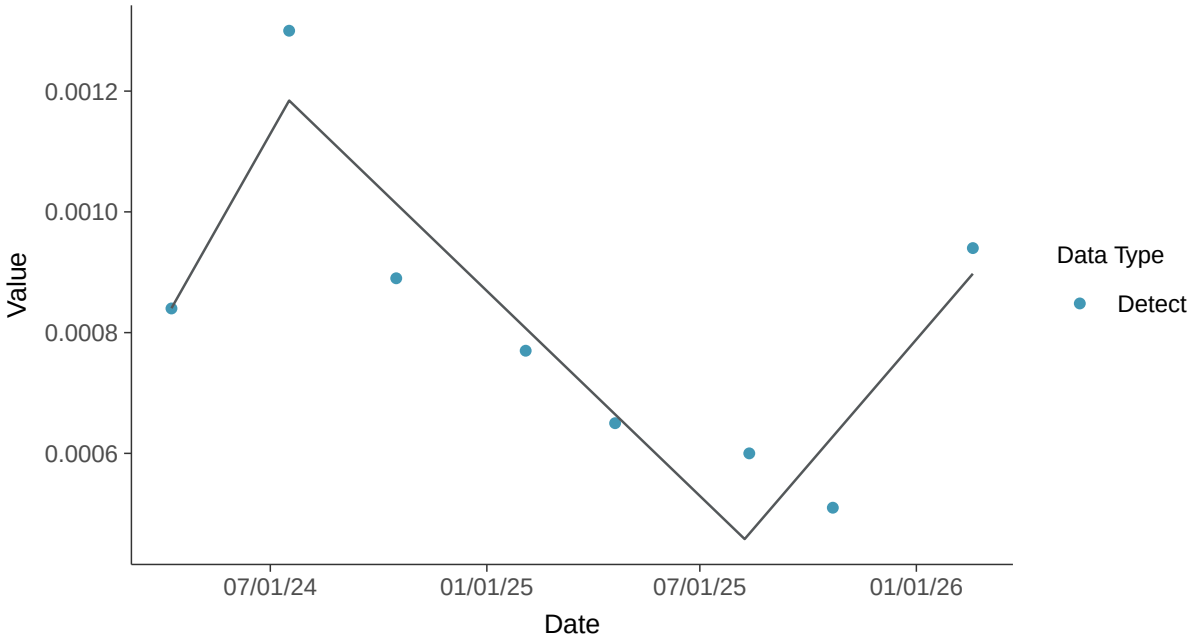
Trend Regression: Lognormal MLE

Vanadium, MW-17 (mg/L)



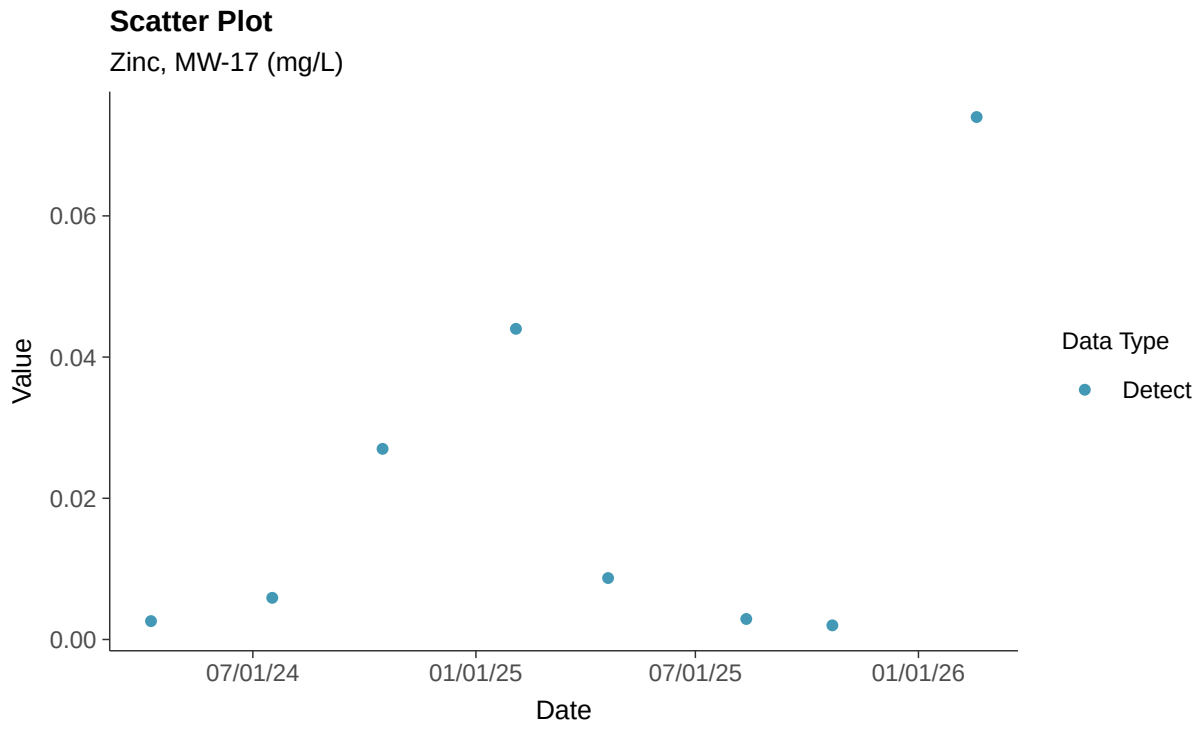
Trend Regression: Piecewise Linear-Linear-Linear

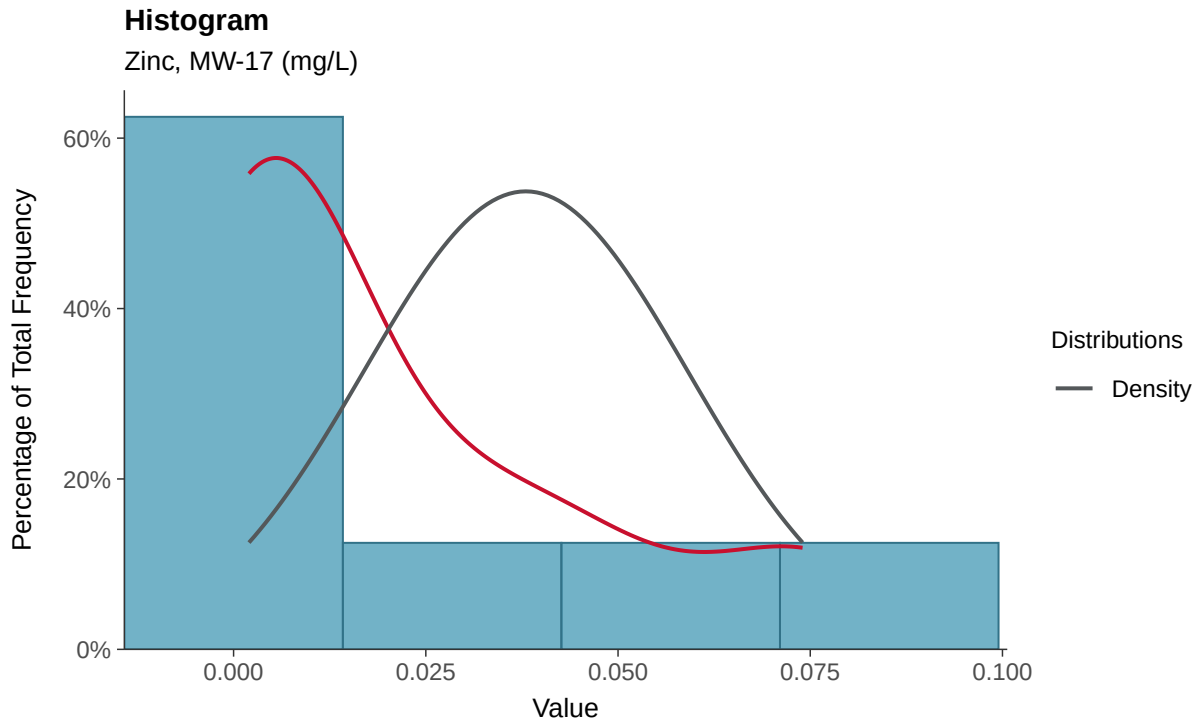
Vanadium, MW-17 (mg/L)



Part 115: Zinc, MW-17

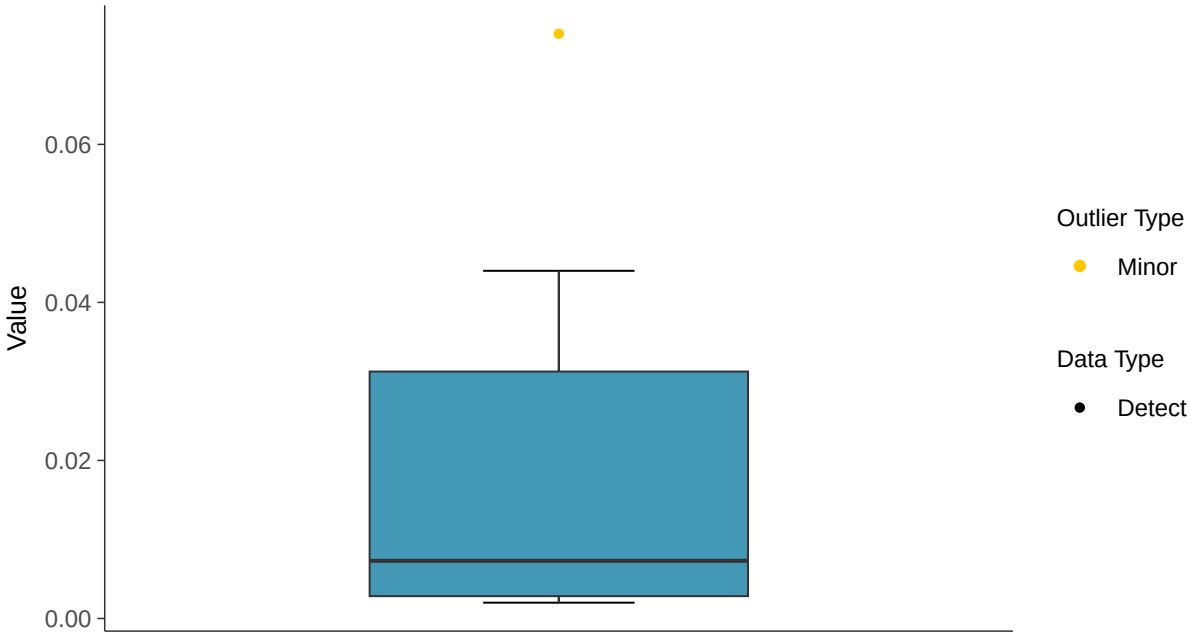
ID: 27_1_5_129





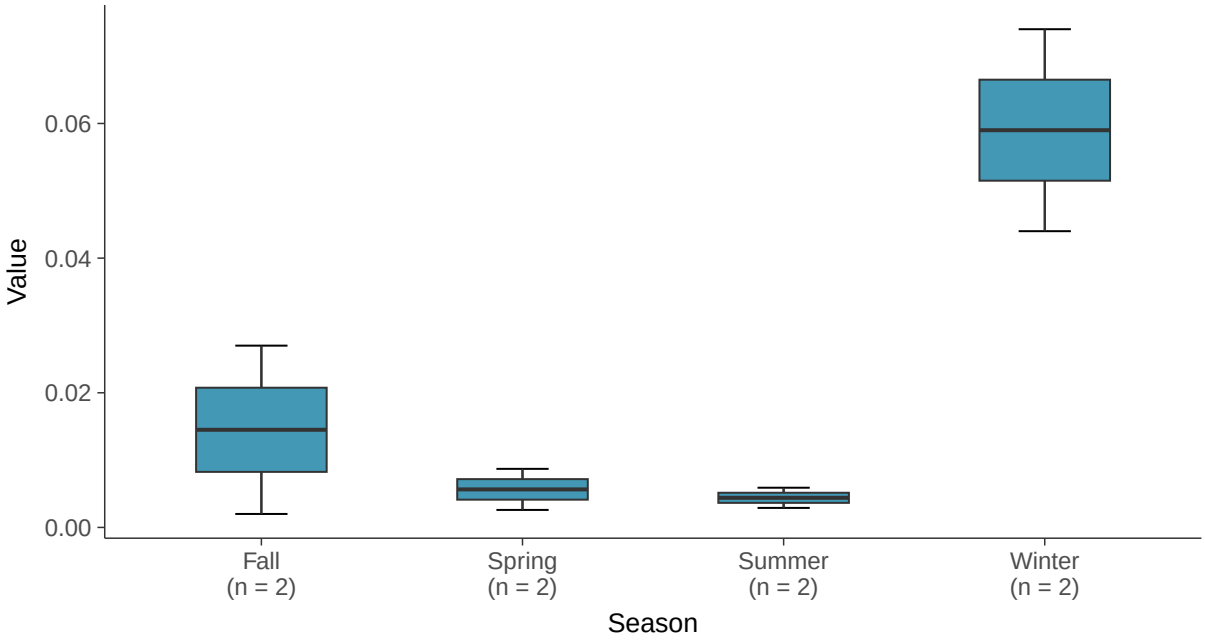
Boxplot

Zinc, MW-17 (mg/L)



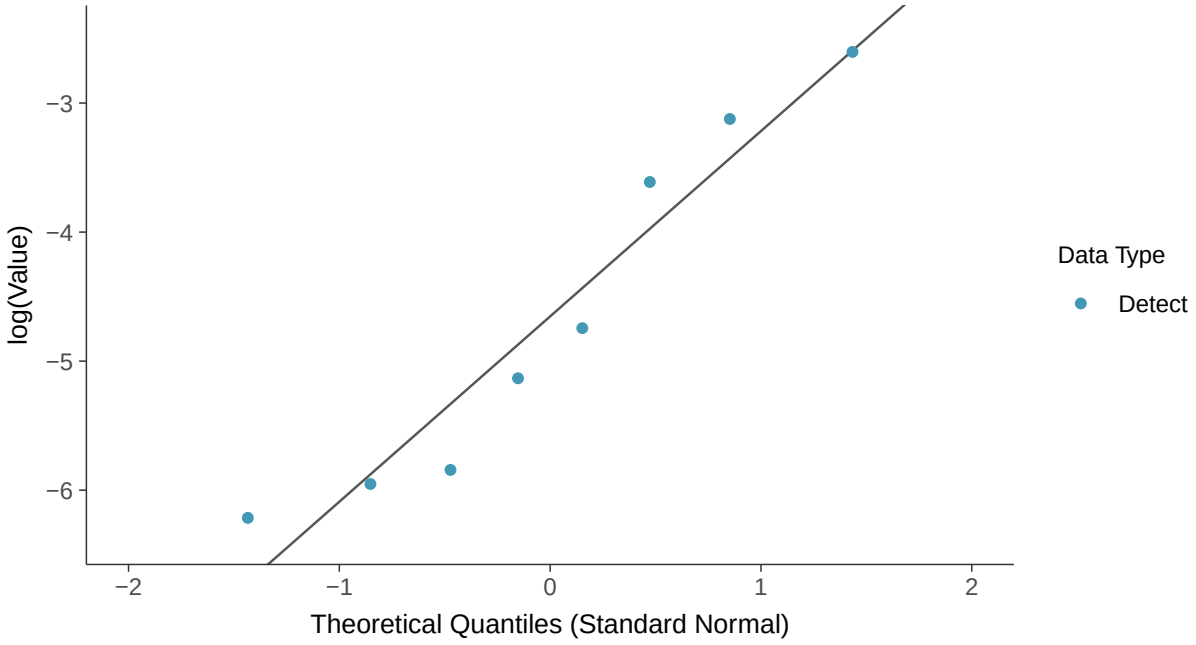
Boxplot by Season

Zinc, MW-17 (mg/L)



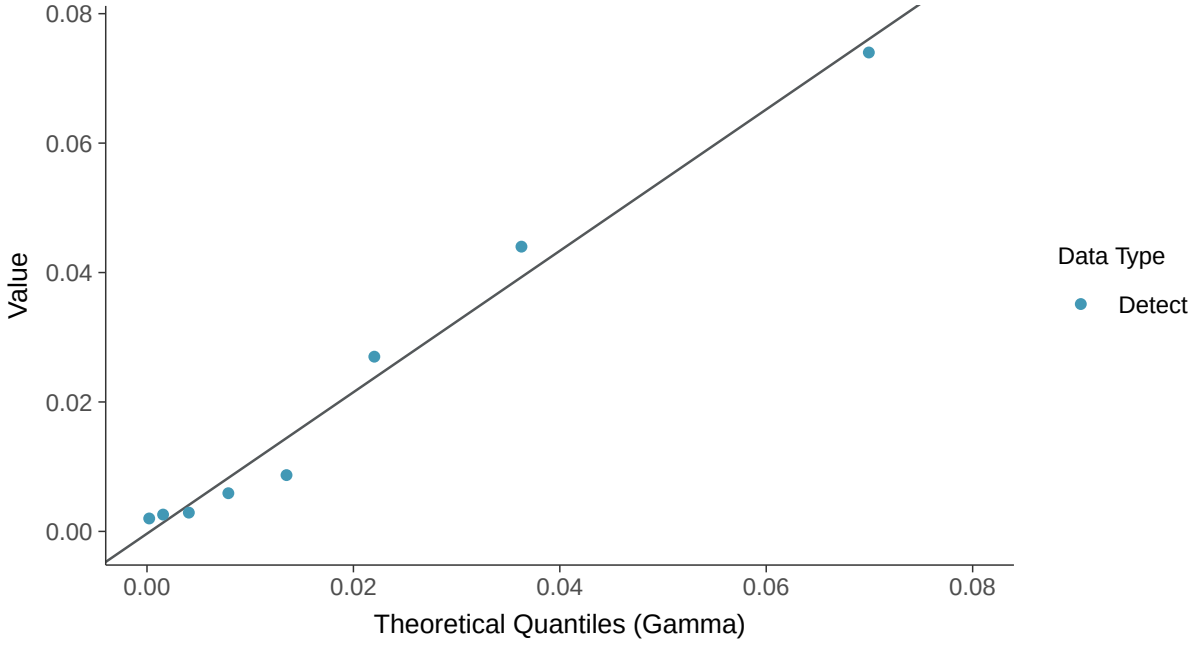
Lognormal Q-Q plot

Zinc, MW-17 (mg/L)



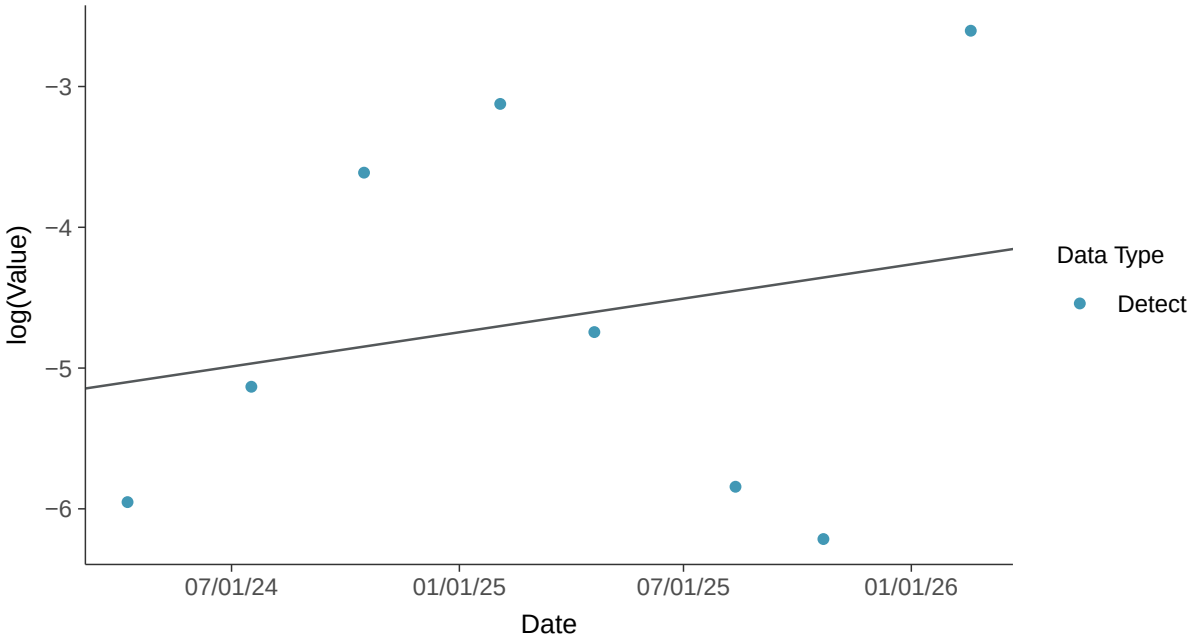
Gamma Q-Q plot

Zinc, MW-17 (mg/L)



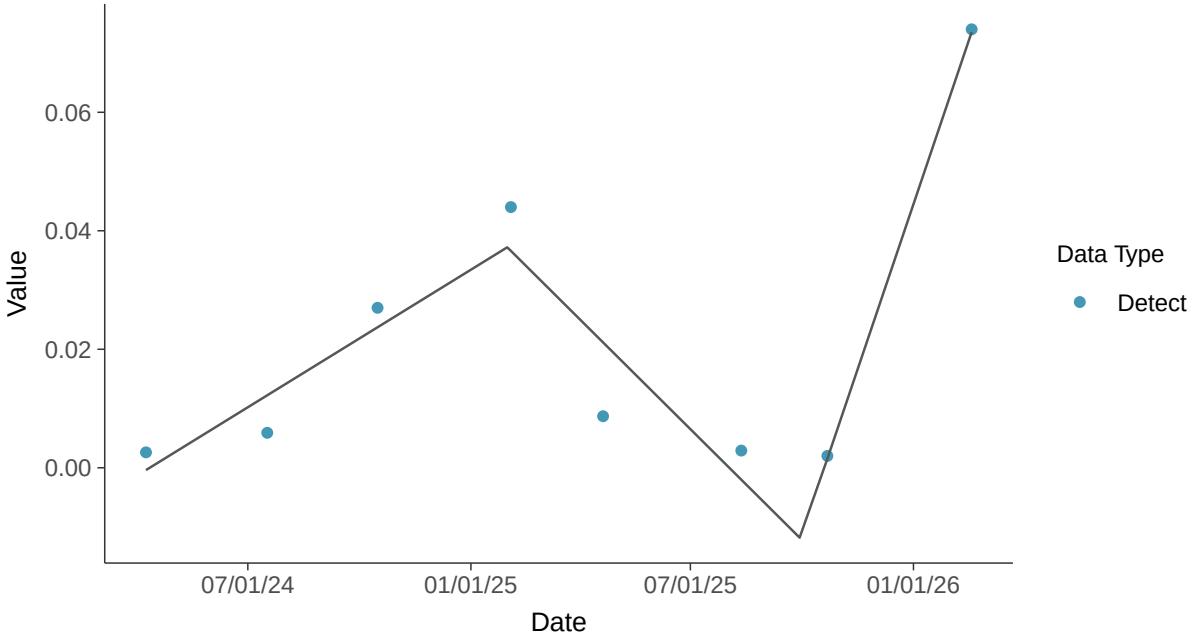
Trend Regression: Lognormal MLE

Zinc, MW-17 (mg/L)



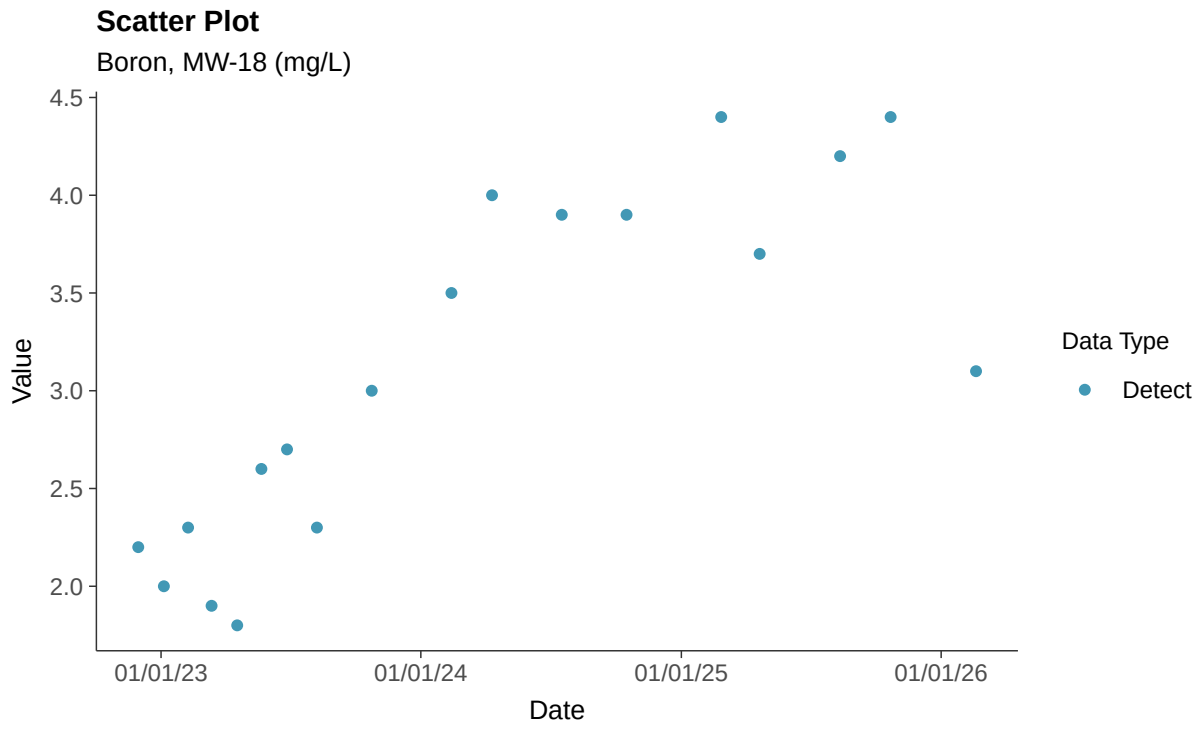
Trend Regression: Piecewise Linear-Linear-Linear

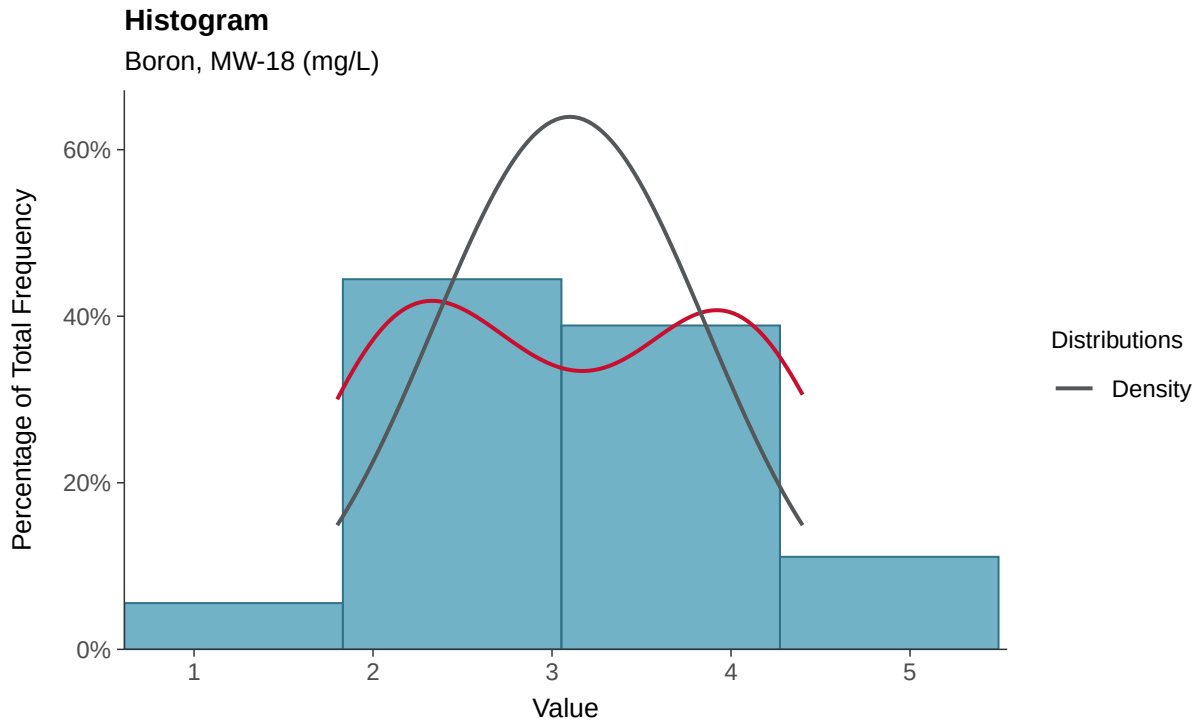
Zinc, MW-17 (mg/L)



Appendix III: Boron, MW-18

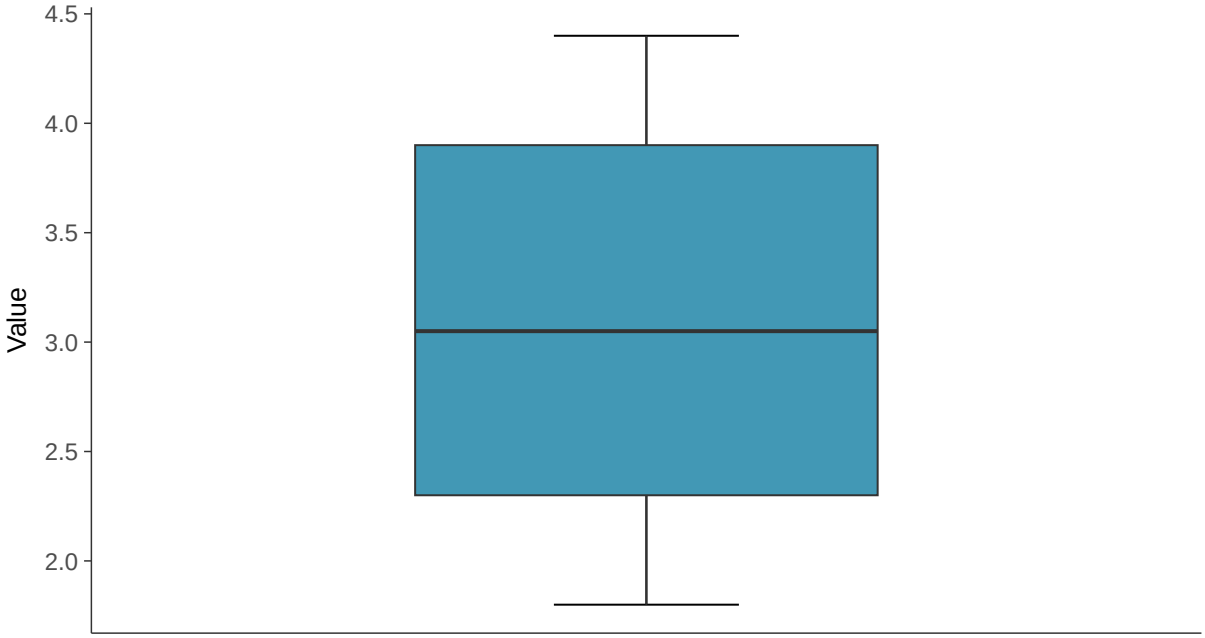
ID: 28_1_3_105





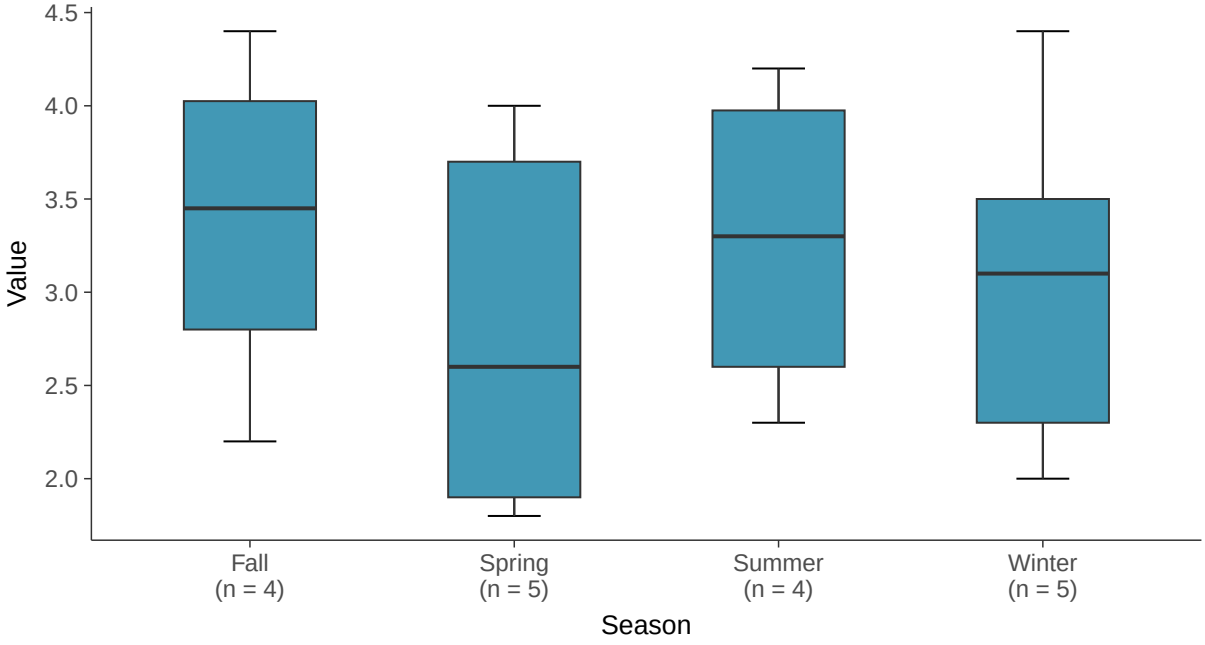
Boxplot

Boron, MW-18 (mg/L)



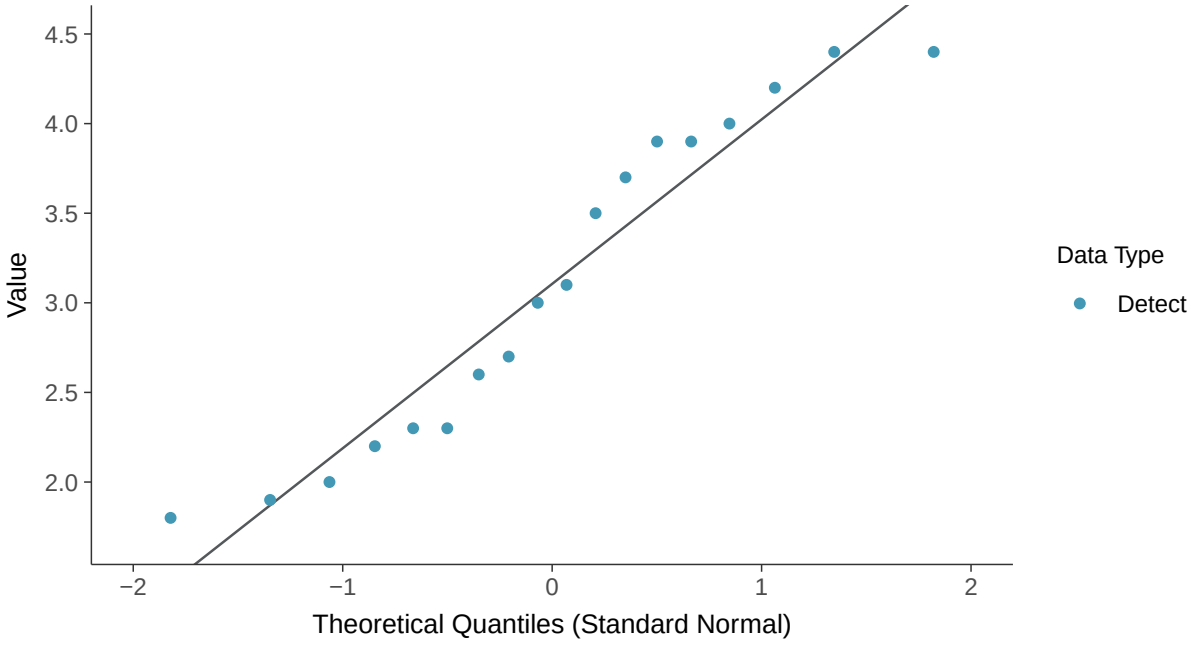
Boxplot by Season

Boron, MW-18 (mg/L)



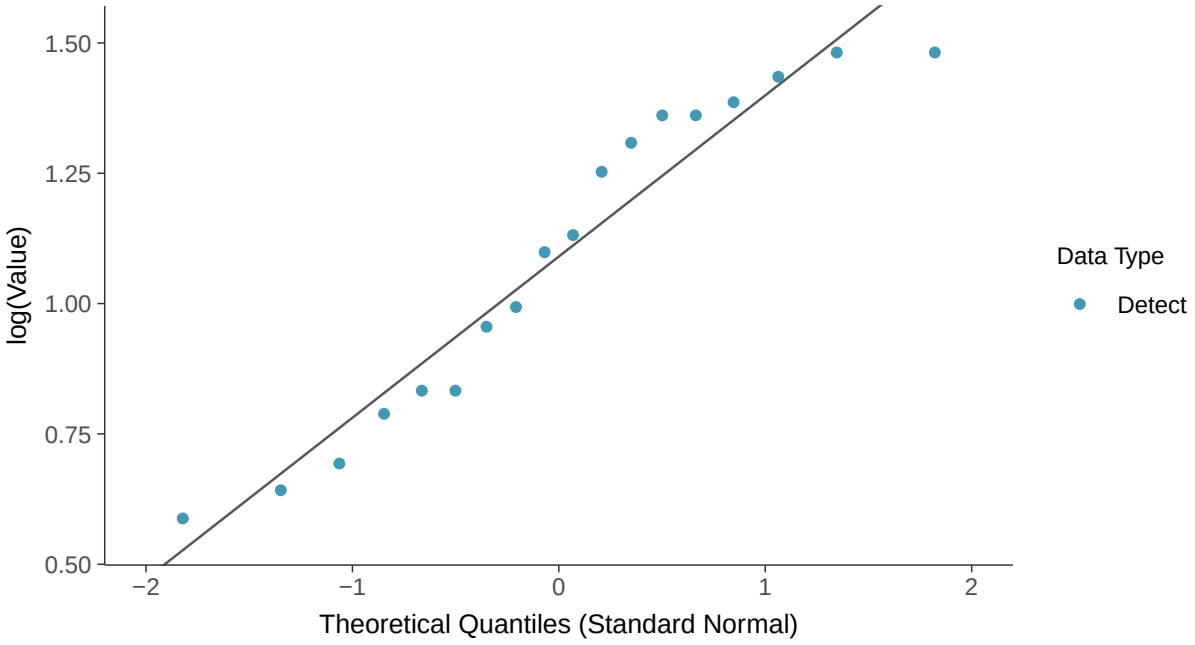
Normal Q-Q plot

Boron, MW-18 (mg/L)



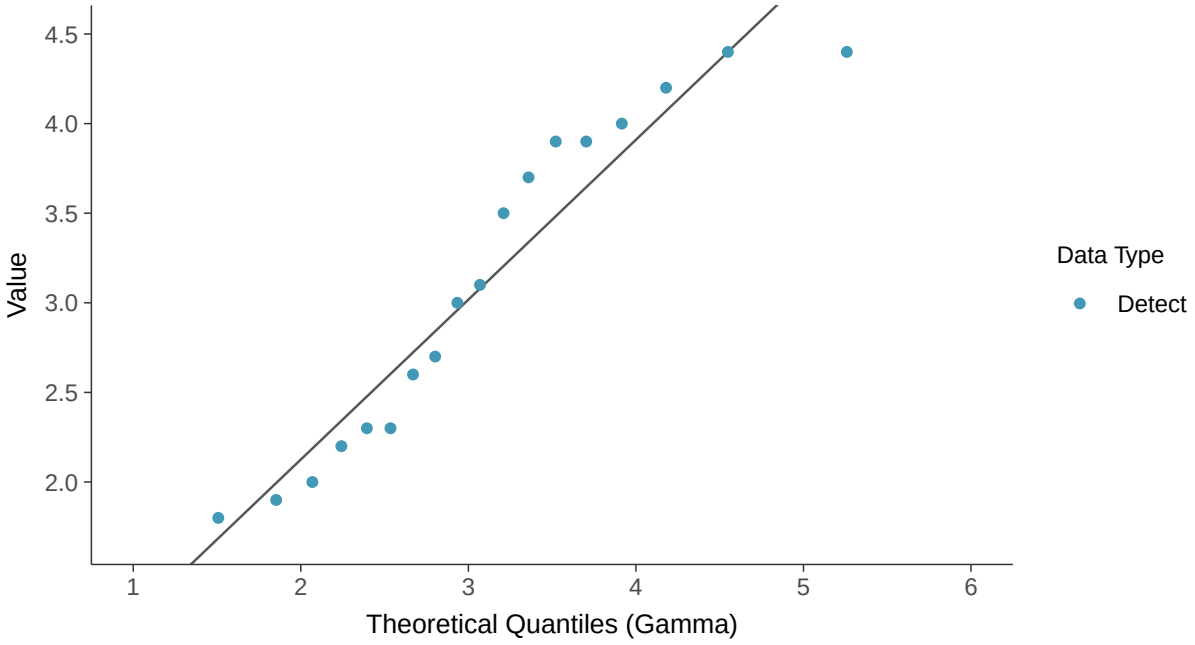
Lognormal Q-Q plot

Boron, MW-18 (mg/L)



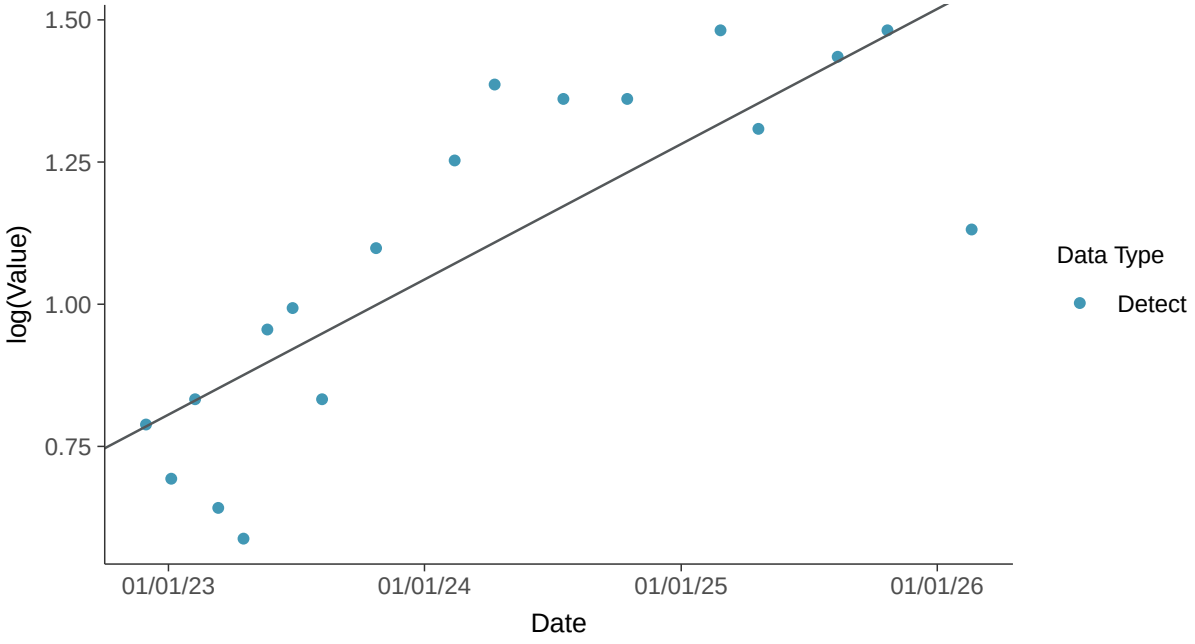
Gamma Q-Q plot

Boron, MW-18 (mg/L)



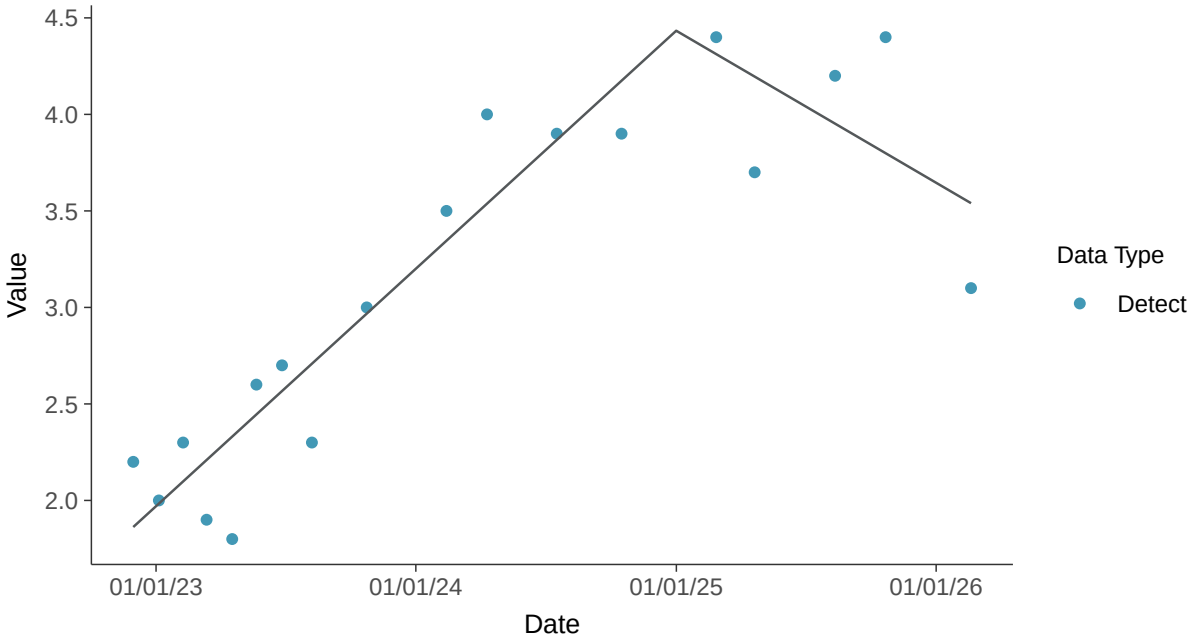
Trend Regression: Lognormal MLE

Boron, MW-18 (mg/L)



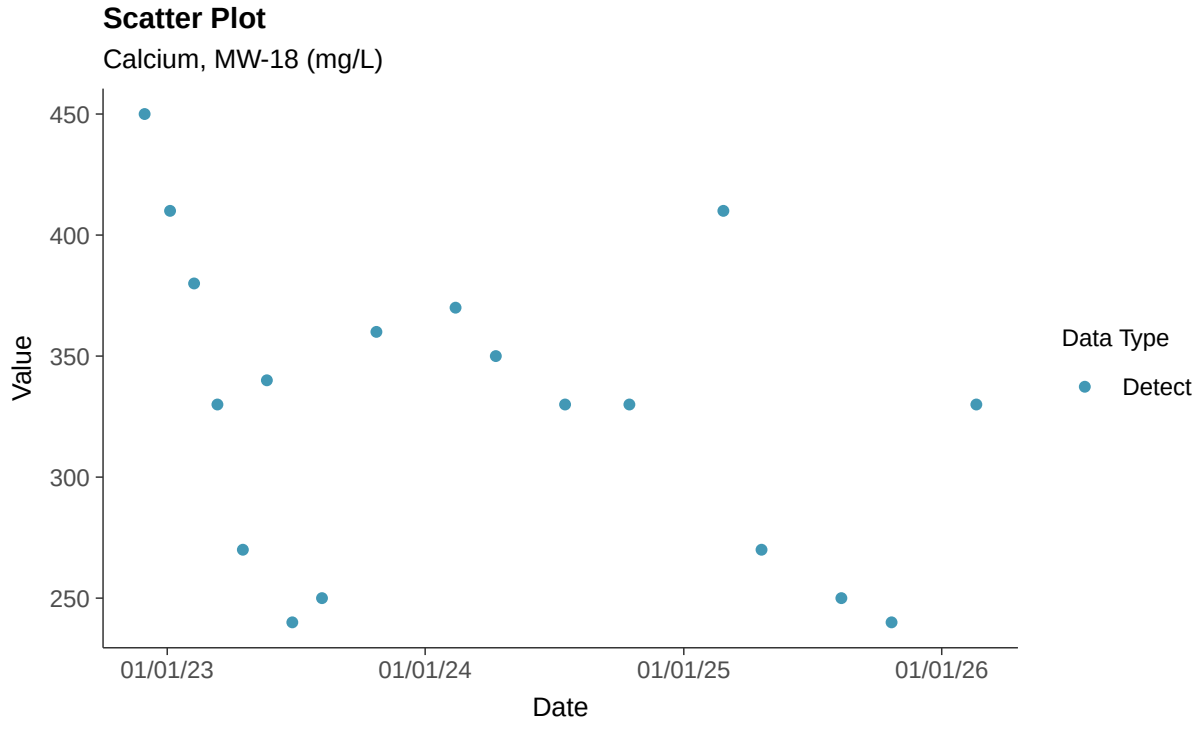
Trend Regression: Piecewise Linear-Linear

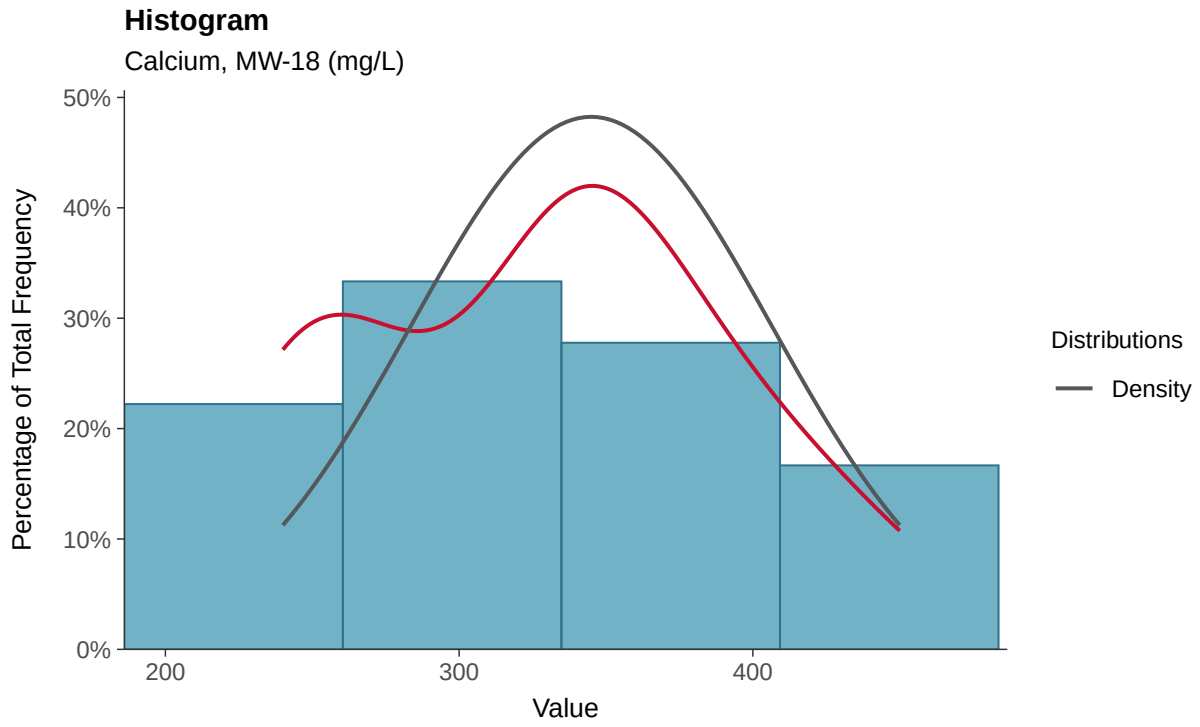
Boron, MW-18 (mg/L)



Appendix III: Calcium, MW-18

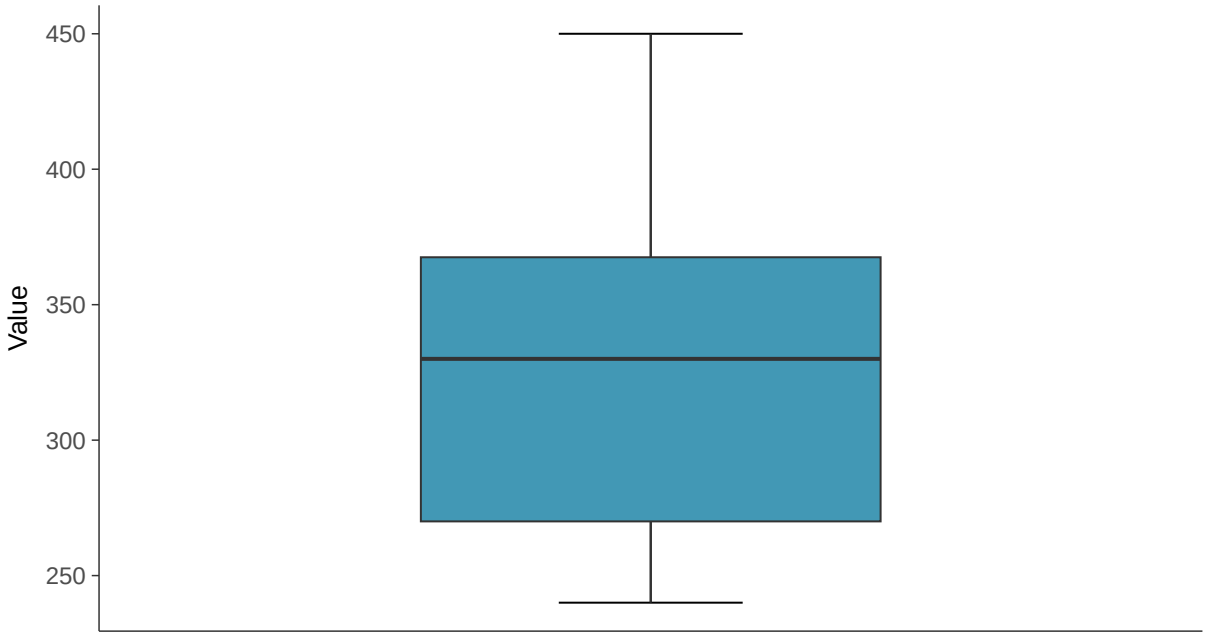
ID: 28_1_3_107





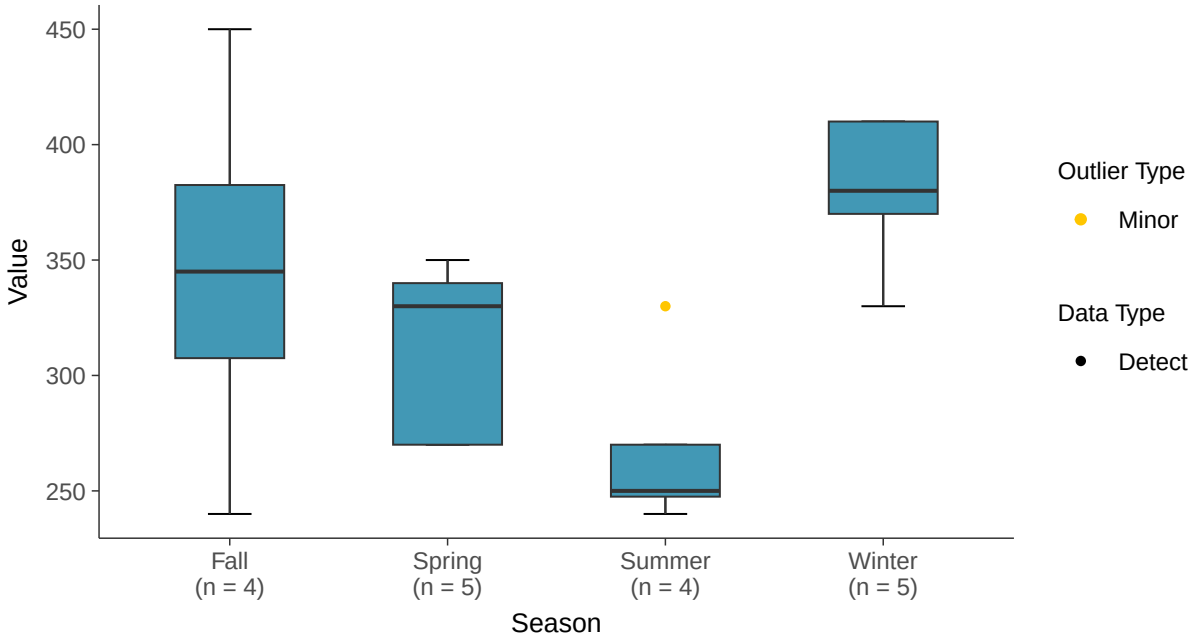
Boxplot

Calcium, MW-18 (mg/L)



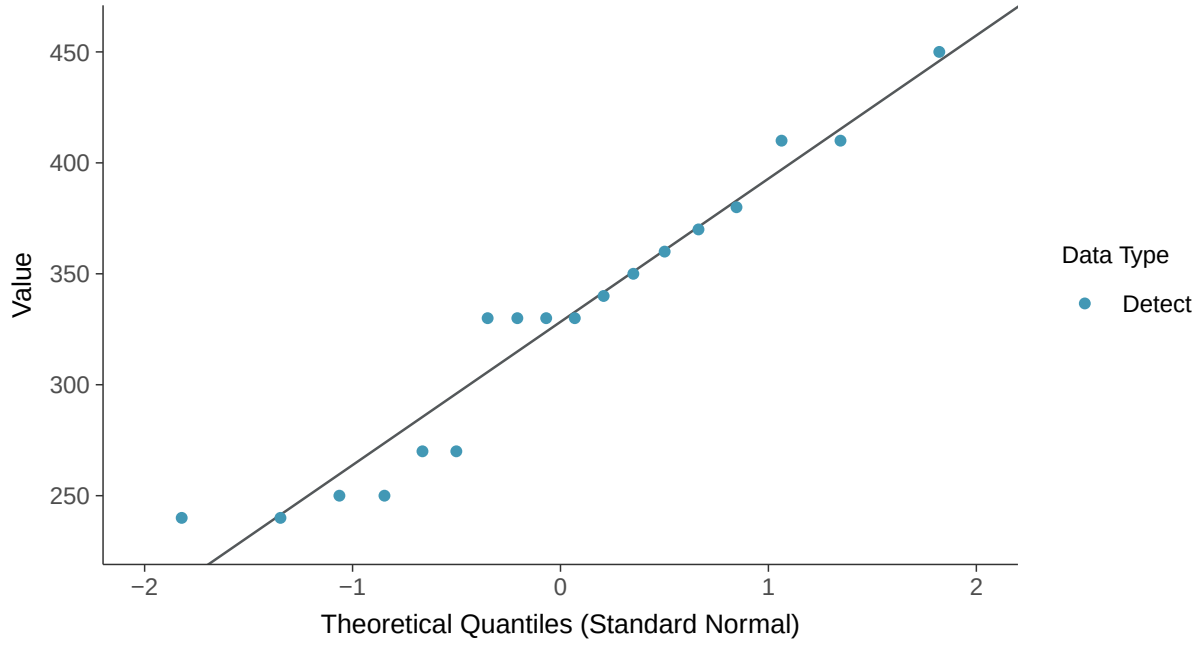
Boxplot by Season

Calcium, MW-18 (mg/L)



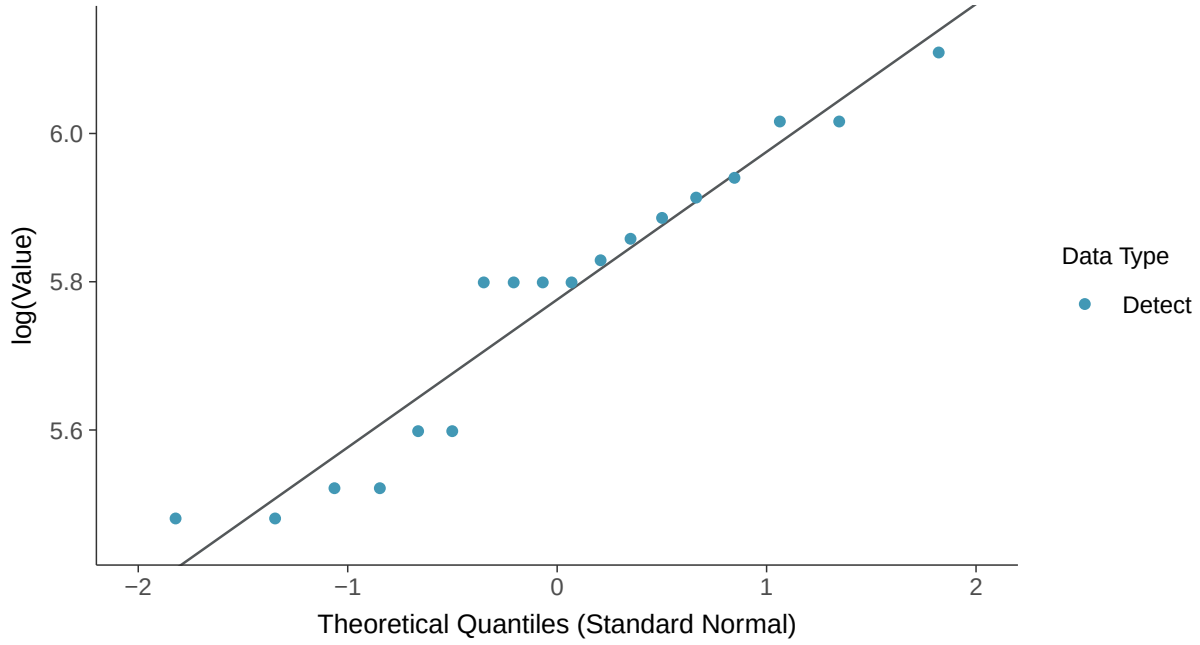
Normal Q-Q plot

Calcium, MW-18 (mg/L)



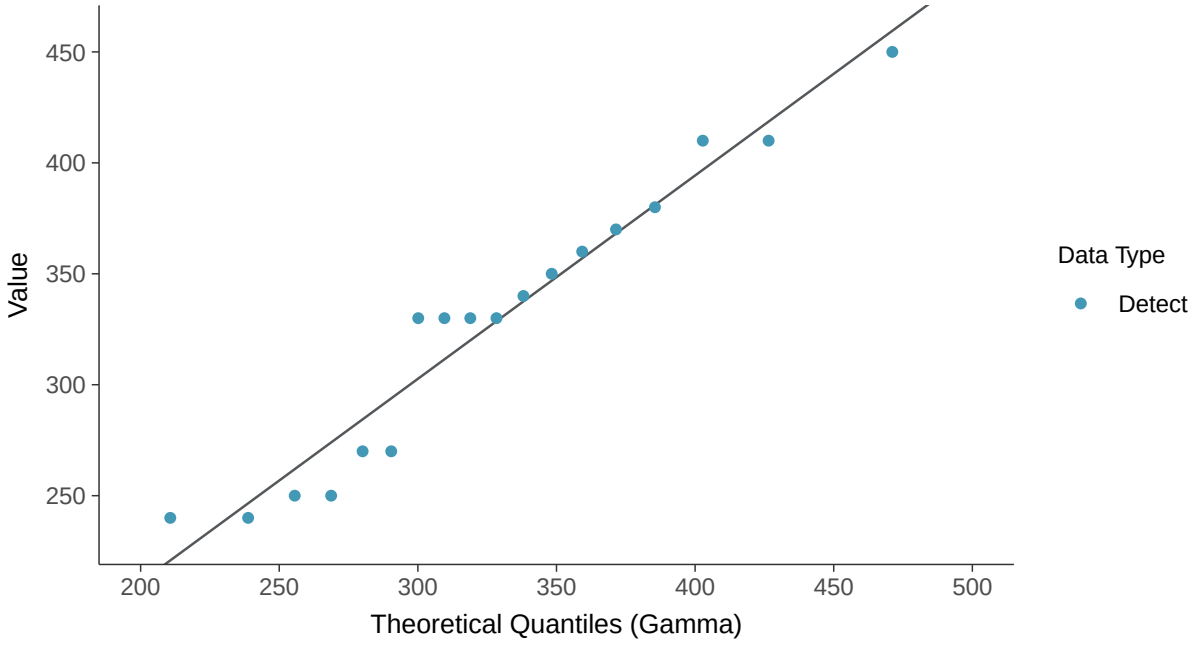
Lognormal Q-Q plot

Calcium, MW-18 (mg/L)



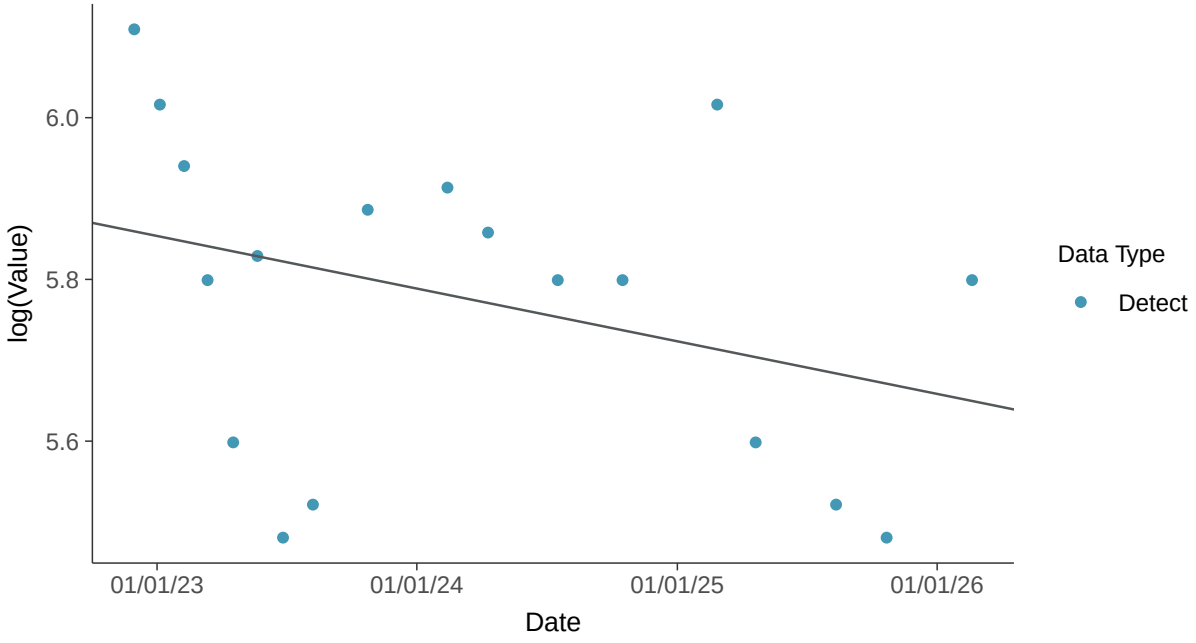
Gamma Q-Q plot

Calcium, MW-18 (mg/L)



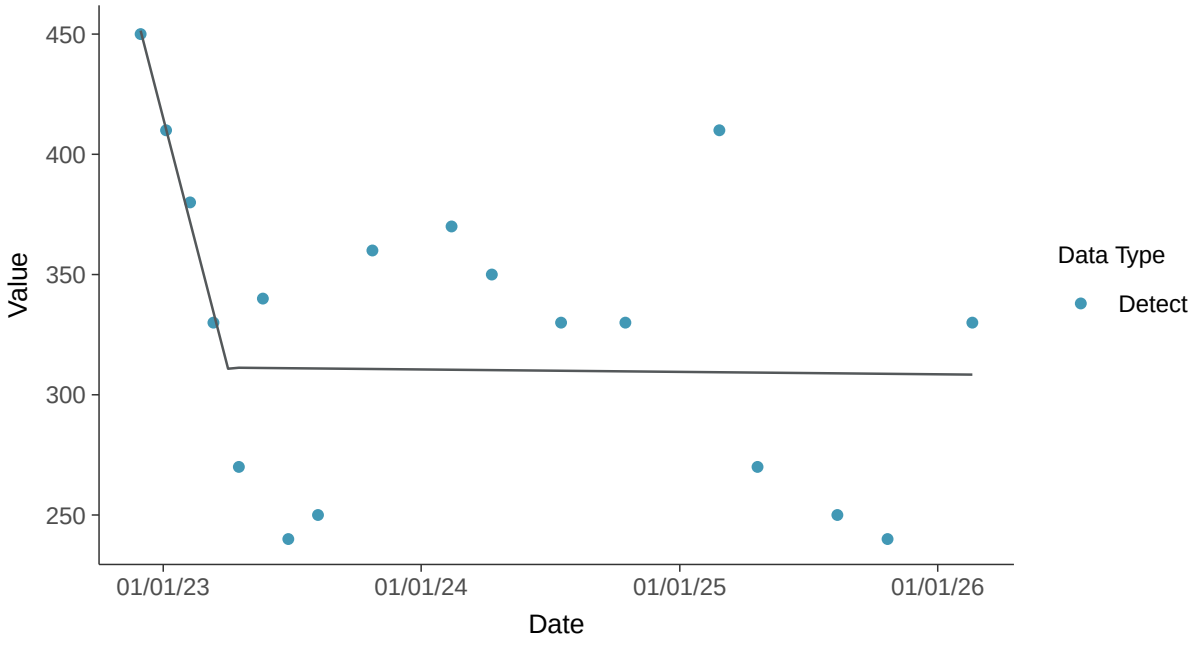
Trend Regression: Lognormal MLE

Calcium, MW-18 (mg/L)



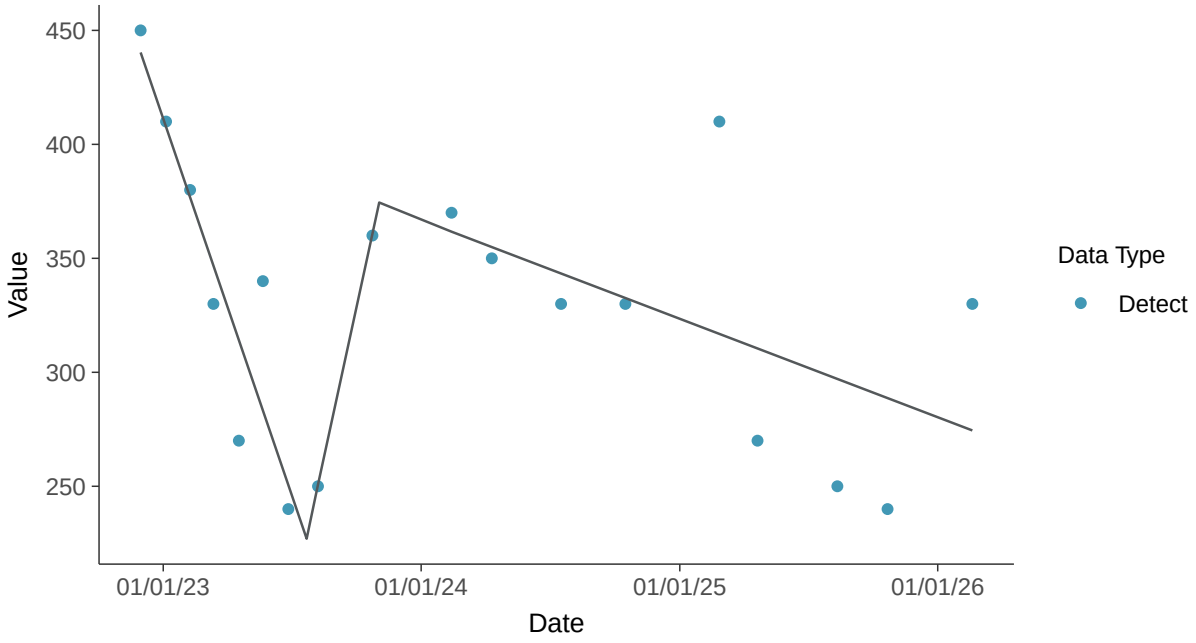
Trend Regression: Piecewise Linear-Linear

Calcium, MW-18 (mg/L)



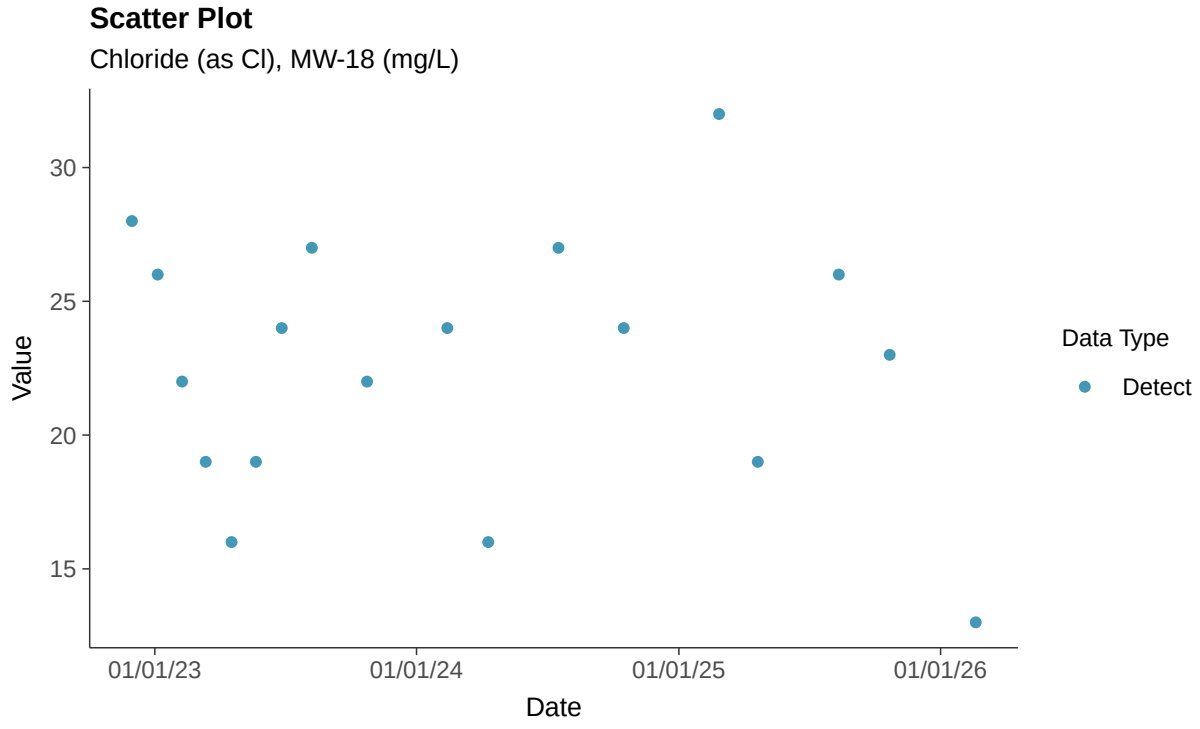
Trend Regression: Piecewise Linear-Linear-Linear

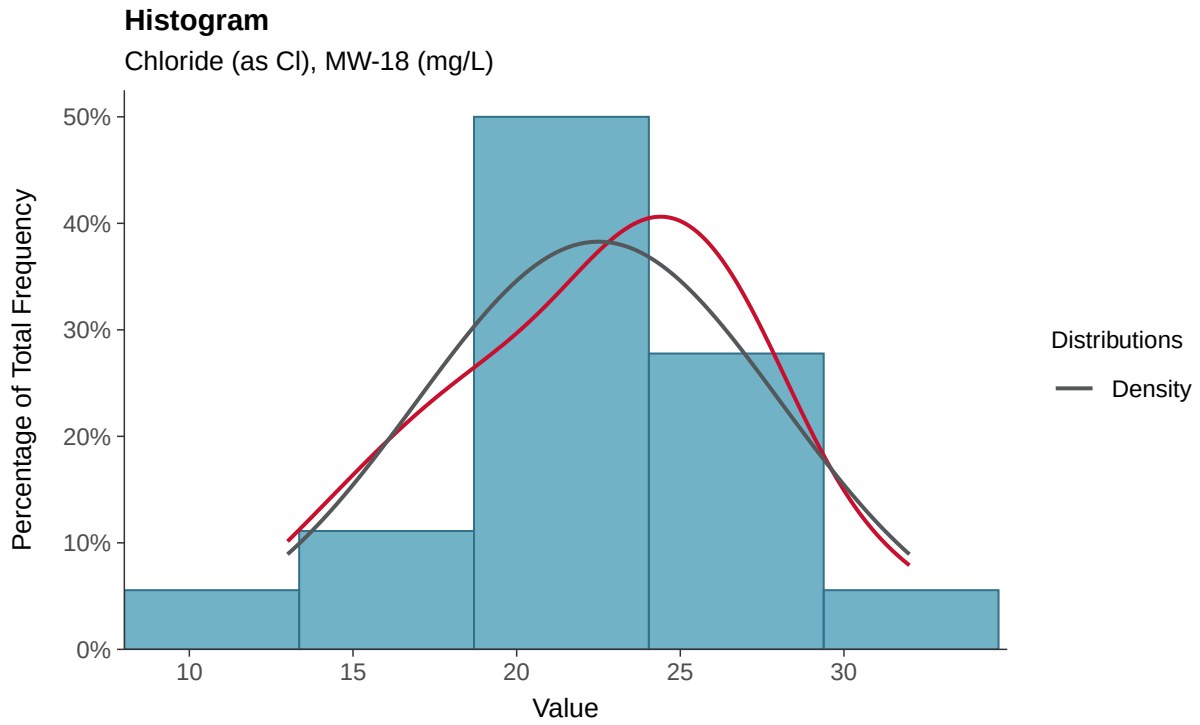
Calcium, MW-18 (mg/L)



Appendix III: Chloride (as Cl), MW-18

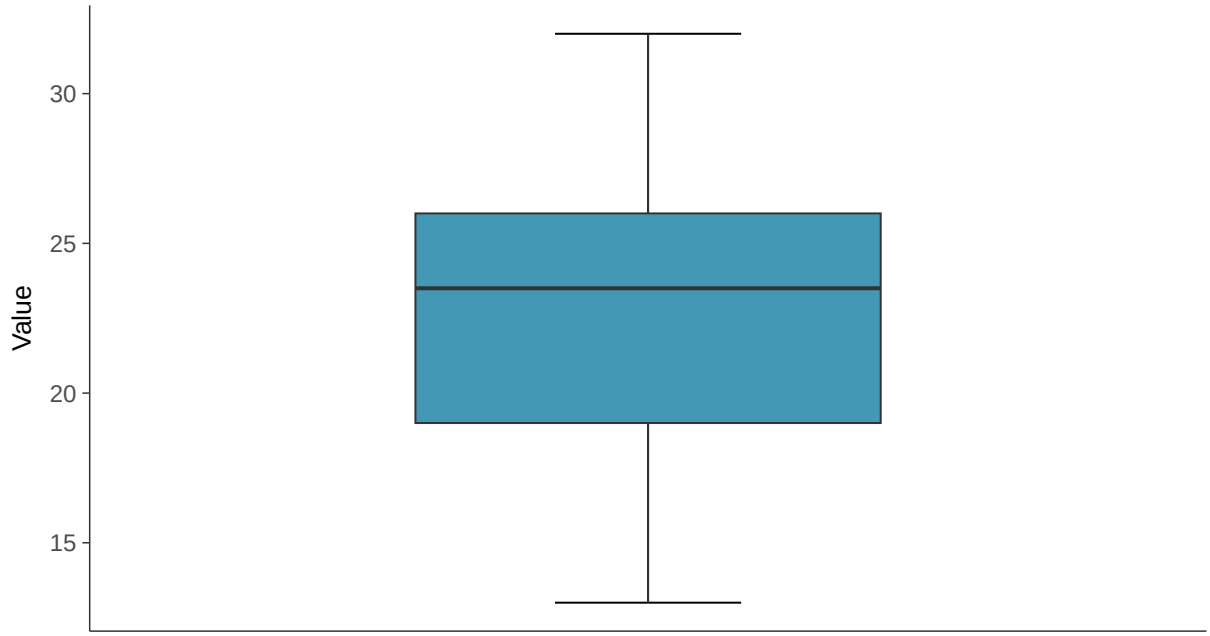
ID: 28_1_3_108





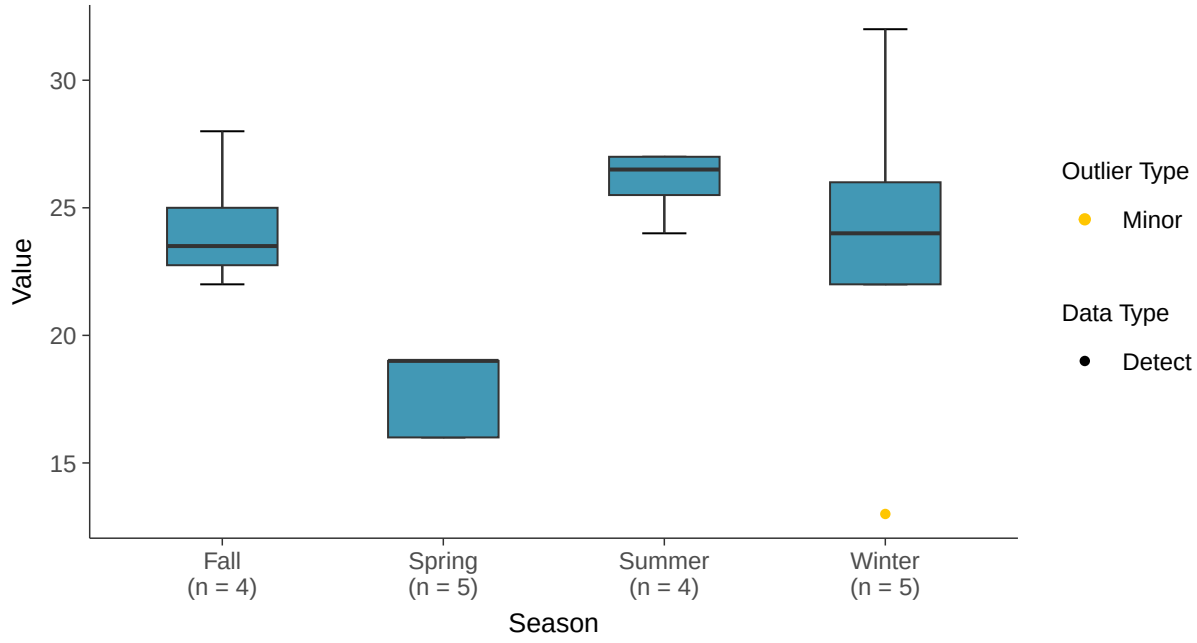
Boxplot

Chloride (as Cl), MW-18 (mg/L)



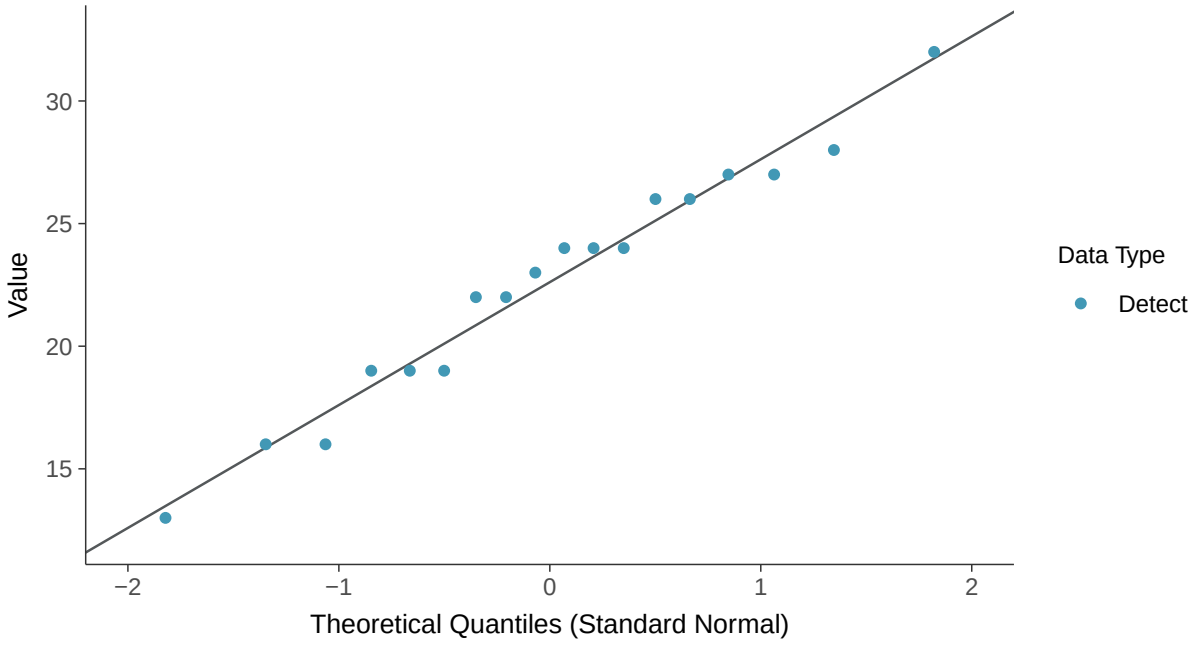
Boxplot by Season

Chloride (as Cl), MW-18 (mg/L)



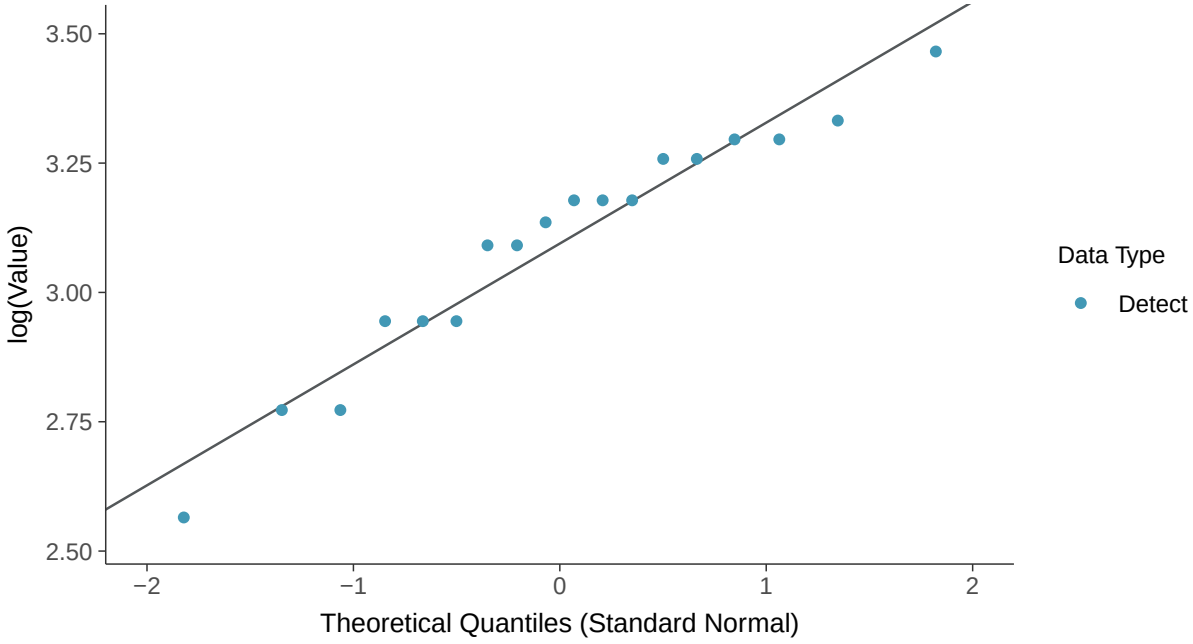
Normal Q-Q plot

Chloride (as Cl), MW-18 (mg/L)



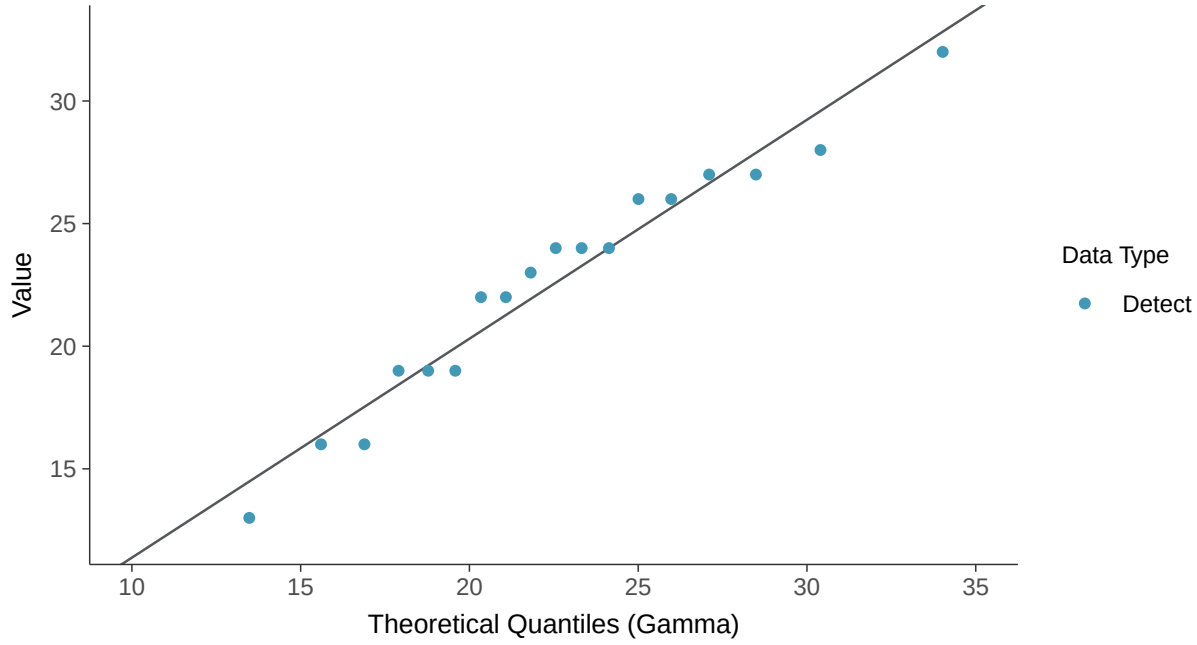
Lognormal Q-Q plot

Chloride (as Cl), MW-18 (mg/L)



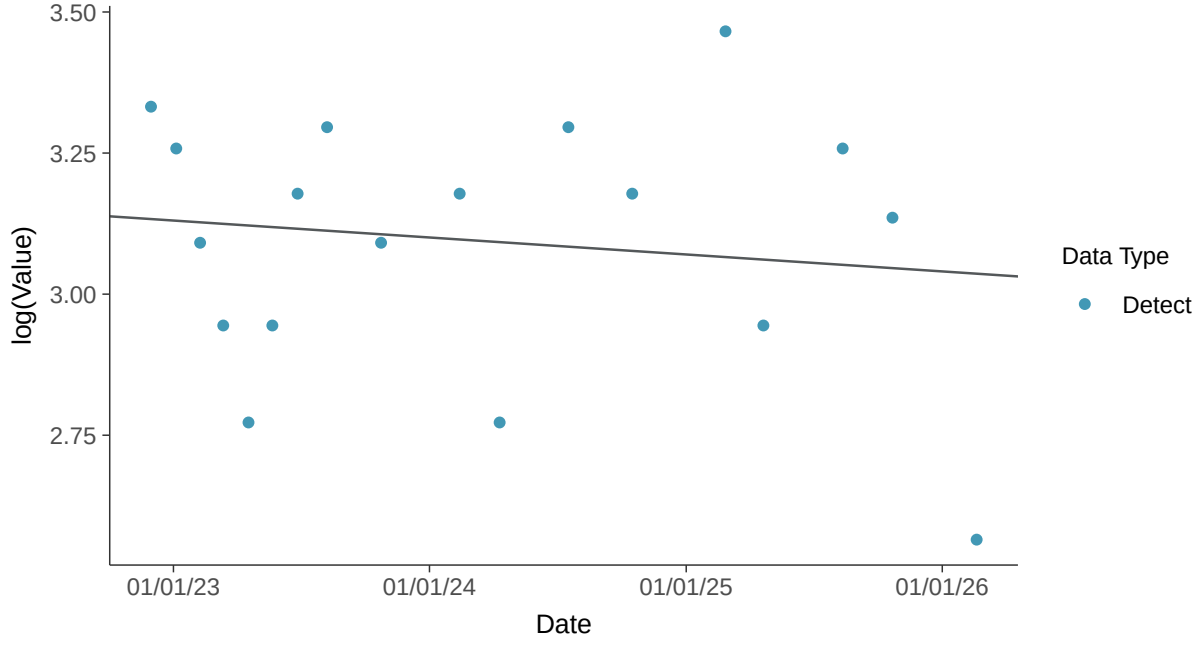
Gamma Q-Q plot

Chloride (as Cl), MW-18 (mg/L)



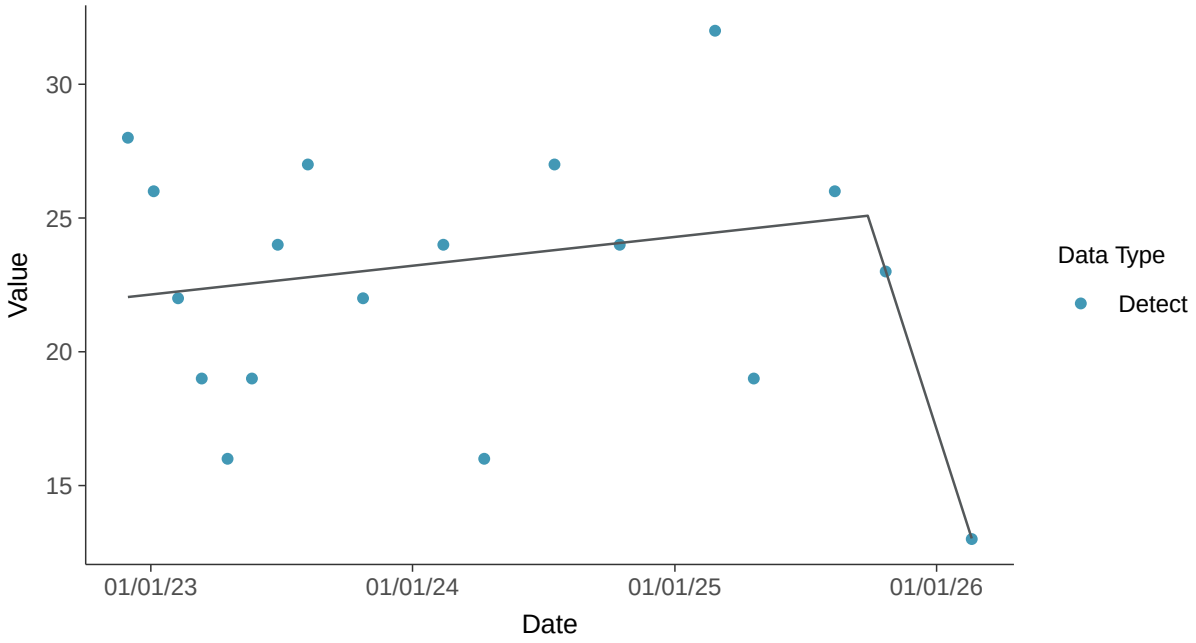
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-18 (mg/L)



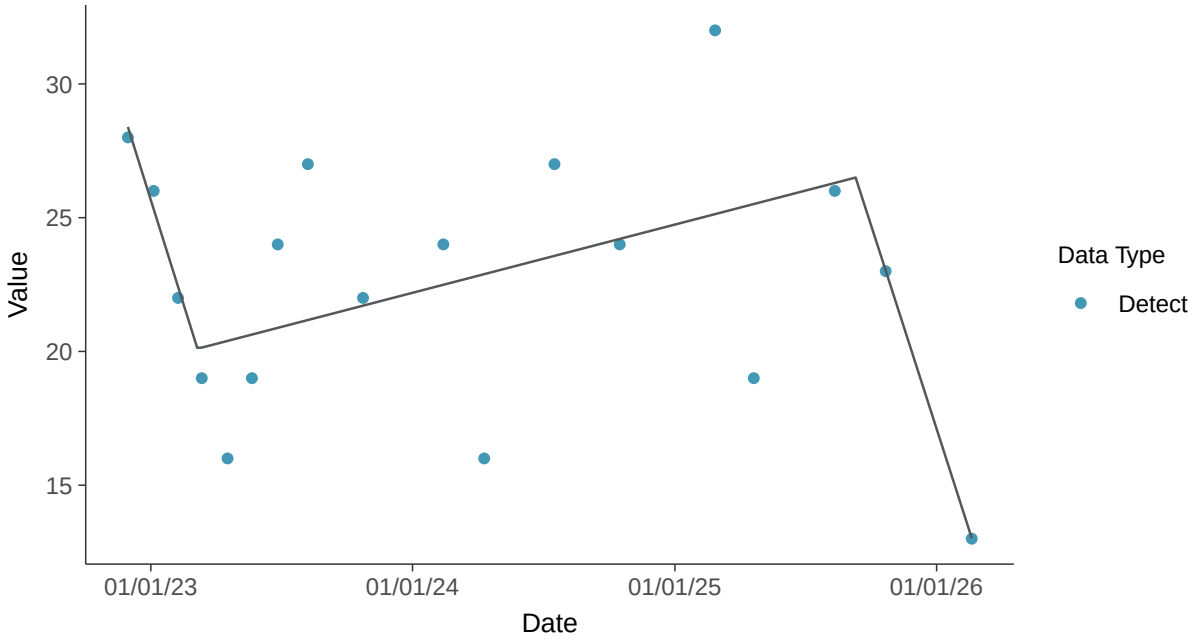
Trend Regression: Piecewise Linear-Linear

Chloride (as Cl), MW-18 (mg/L)



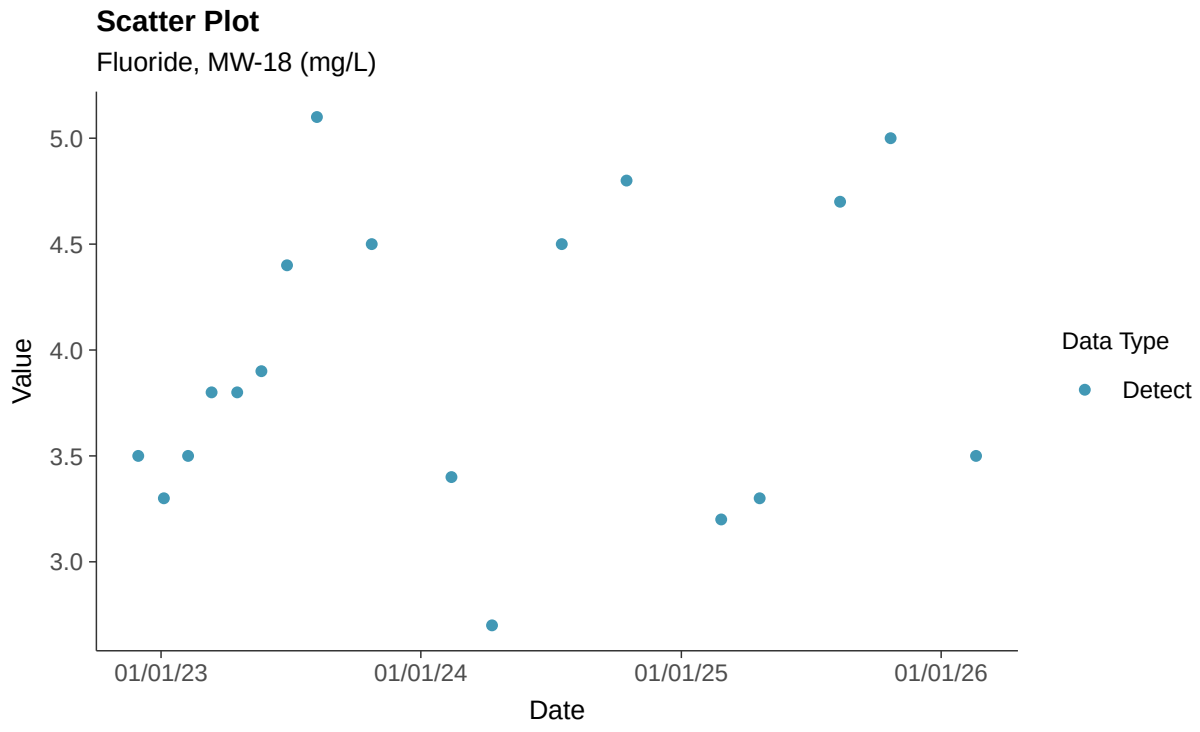
Trend Regression: Piecewise Linear-Linear-Linear

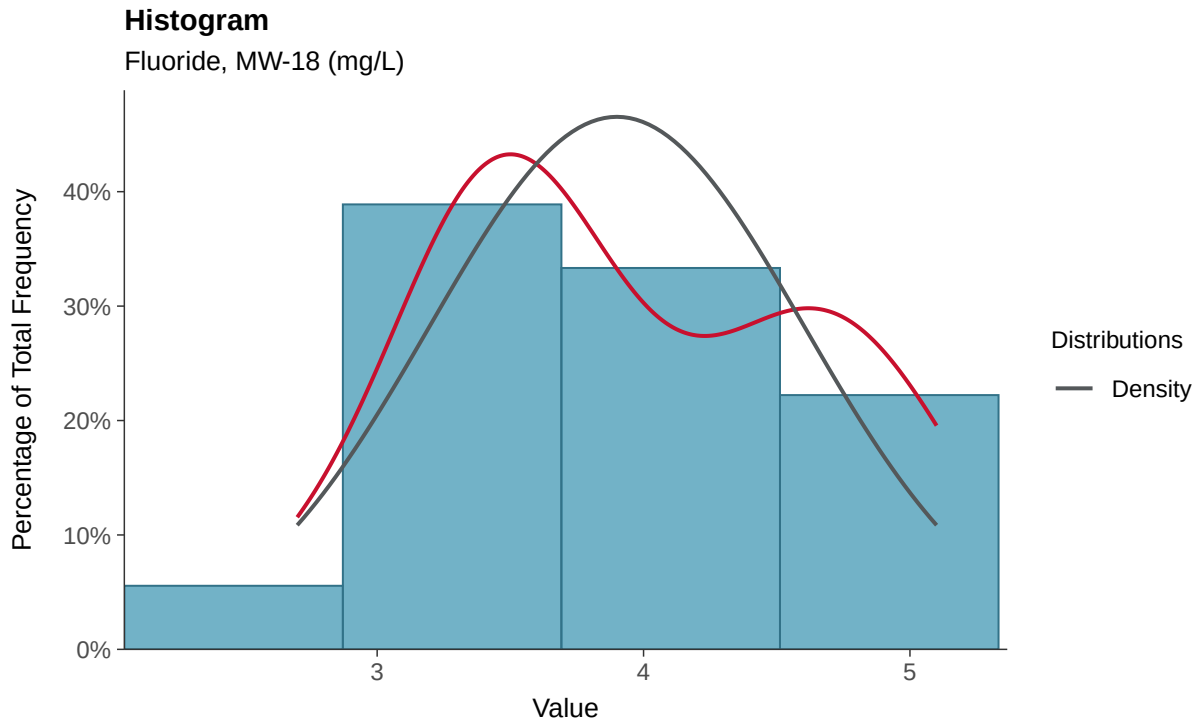
Chloride (as Cl), MW-18 (mg/L)



Appendix III: Fluoride, MW-18

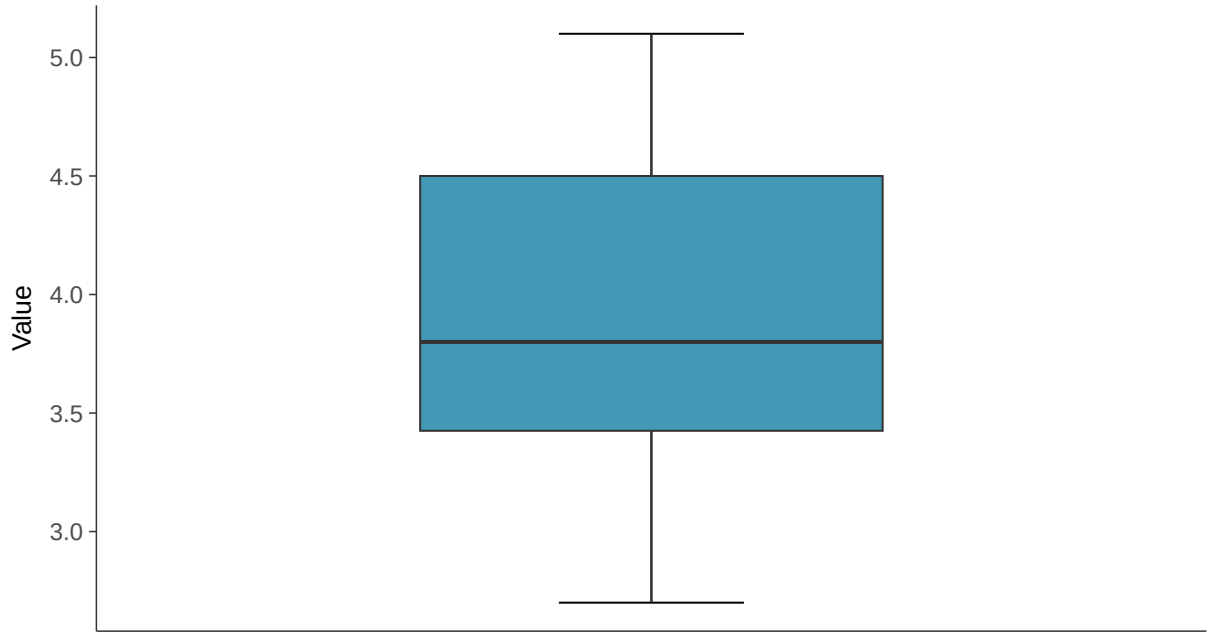
ID: 28_1_3_112





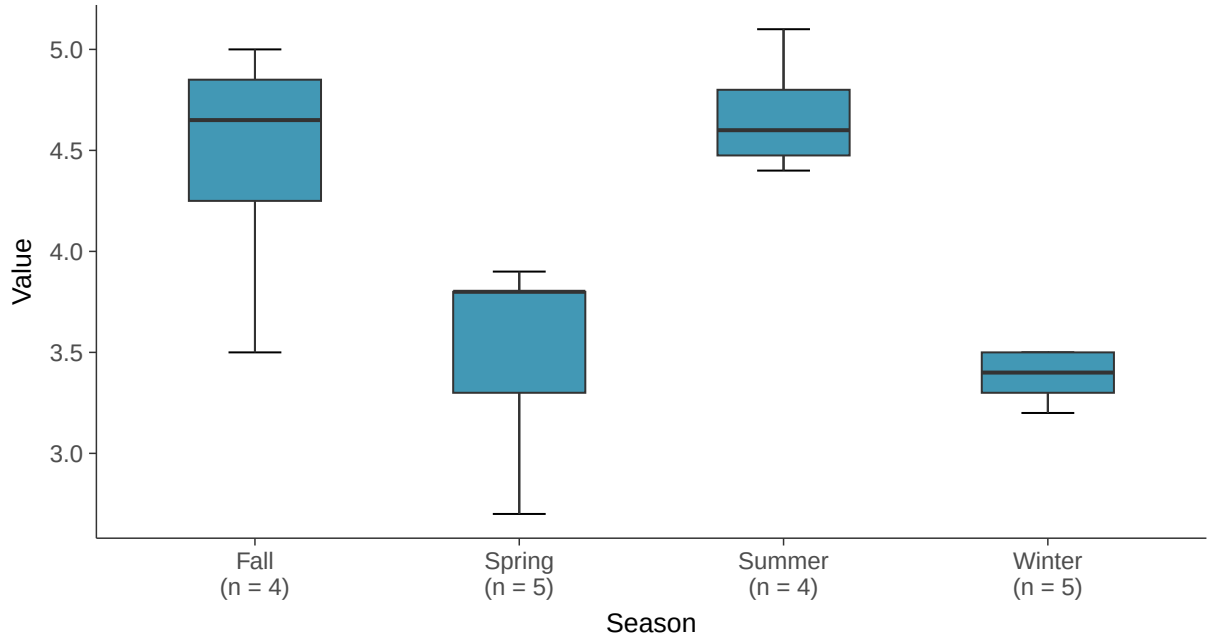
Boxplot

Fluoride, MW-18 (mg/L)



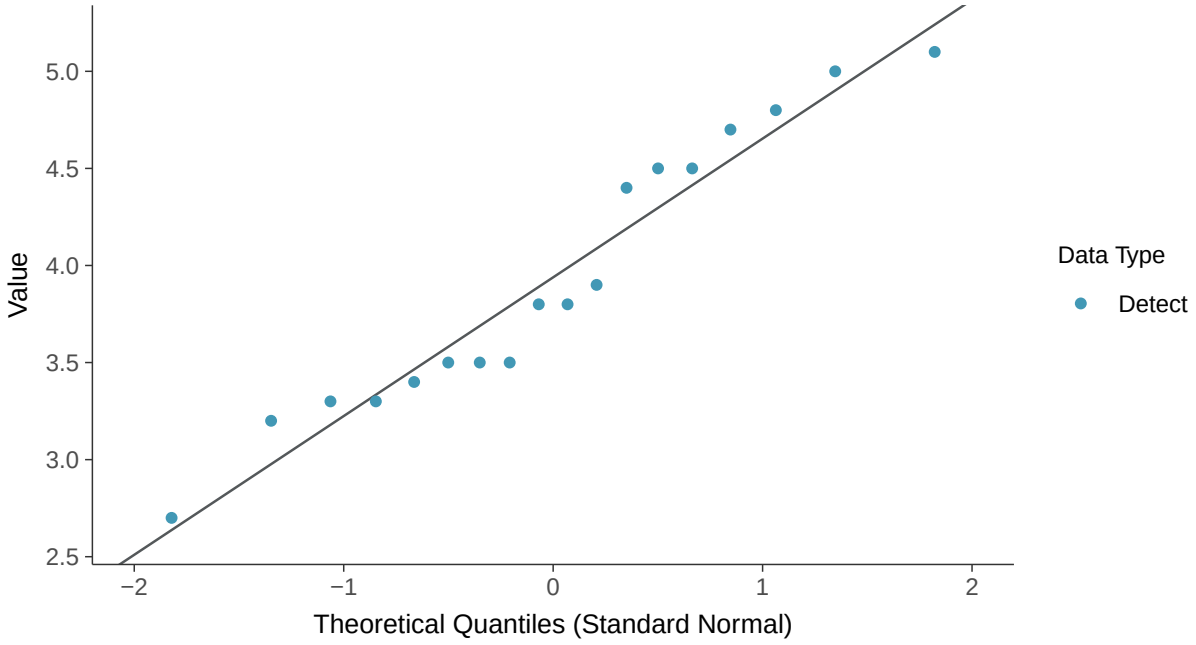
Boxplot by Season

Fluoride, MW-18 (mg/L)



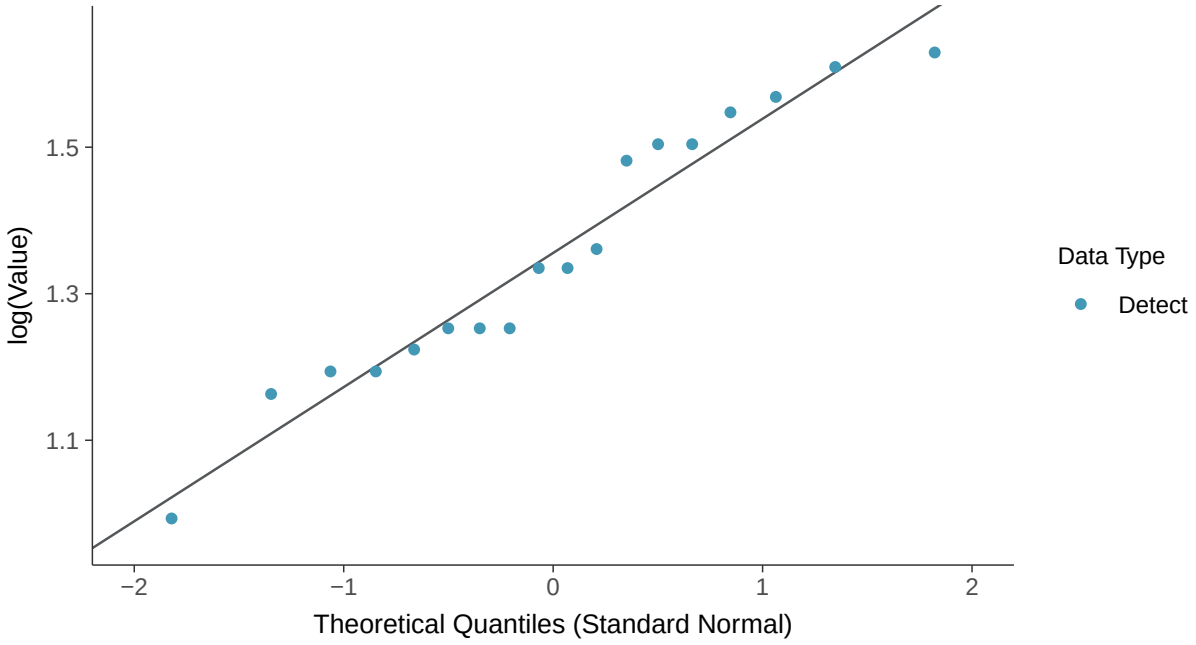
Normal Q-Q plot

Fluoride, MW-18 (mg/L)



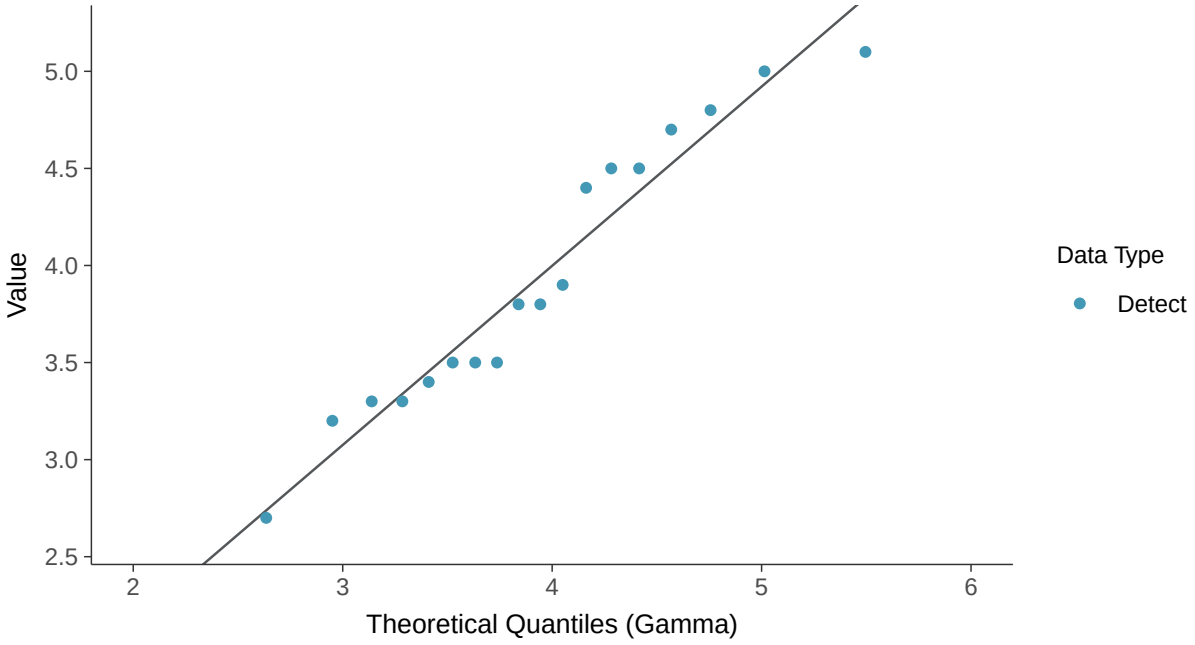
Lognormal Q-Q plot

Fluoride, MW-18 (mg/L)



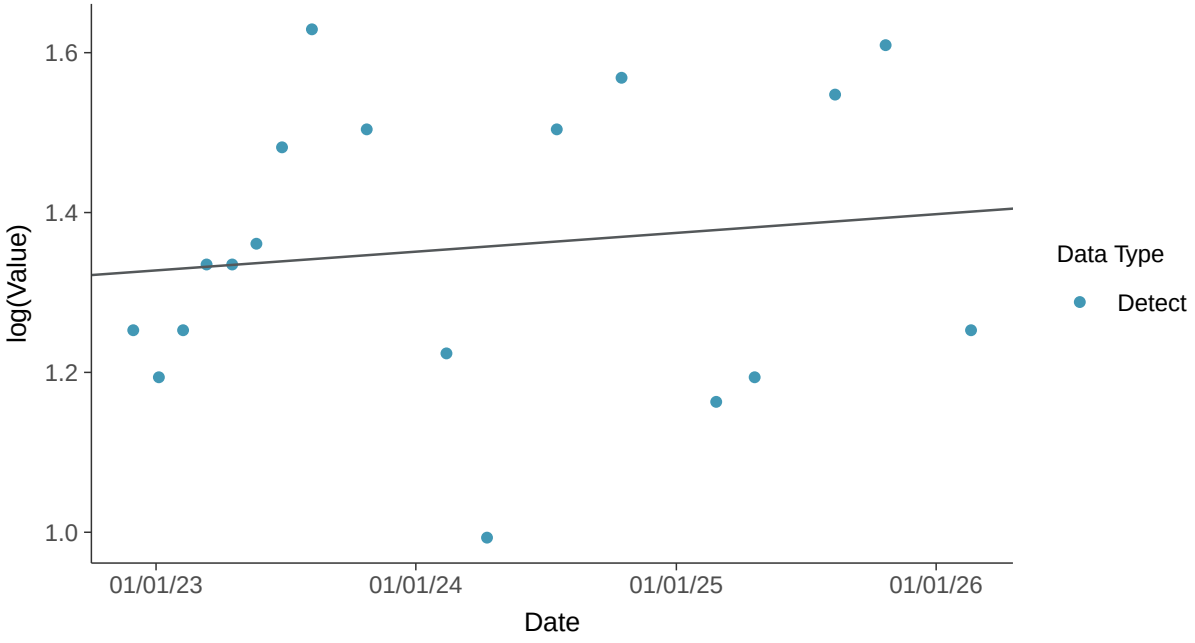
Gamma Q-Q plot

Fluoride, MW-18 (mg/L)



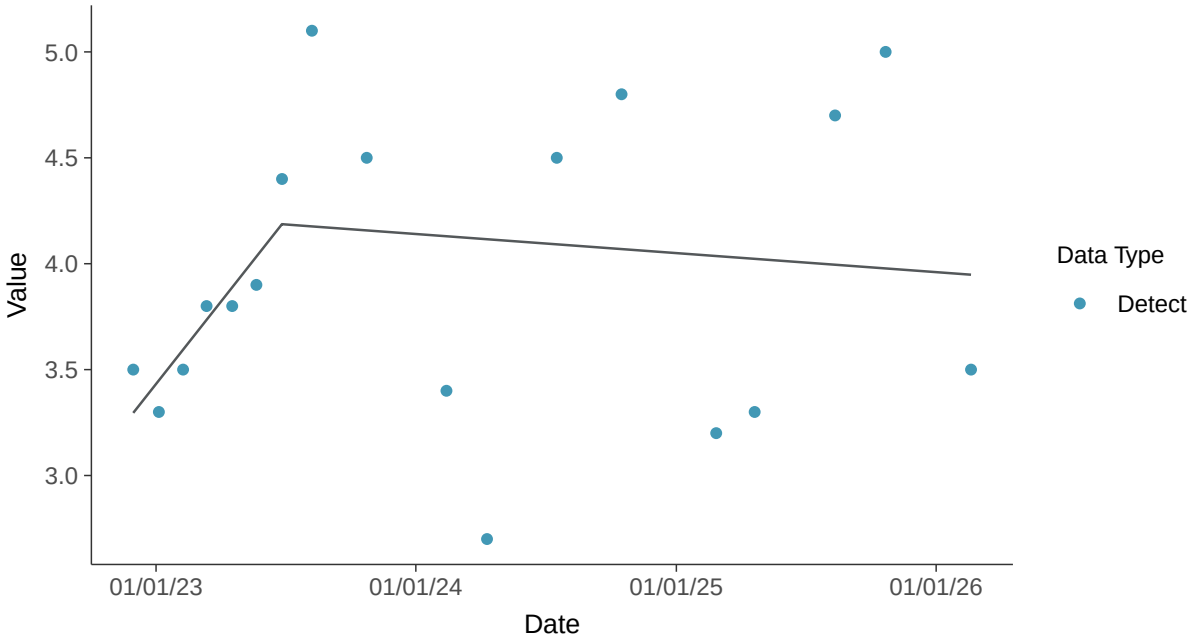
Trend Regression: Lognormal MLE

Fluoride, MW-18 (mg/L)



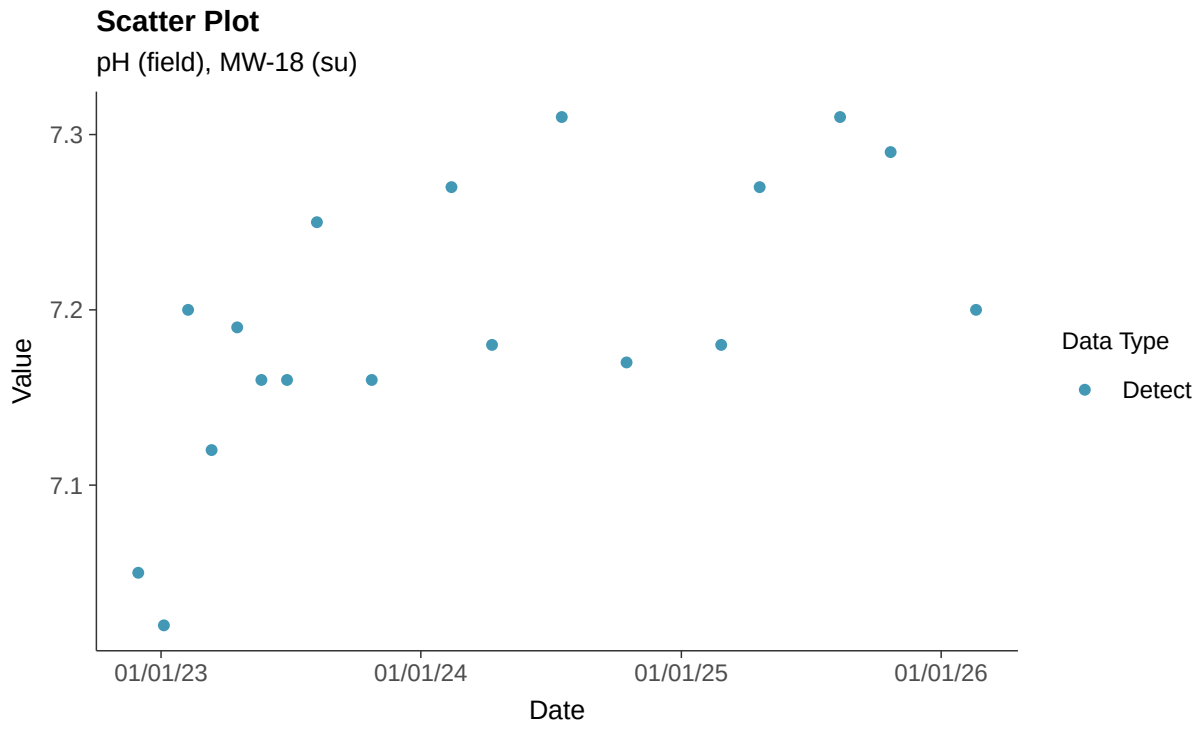
Trend Regression: Piecewise Linear-Linear

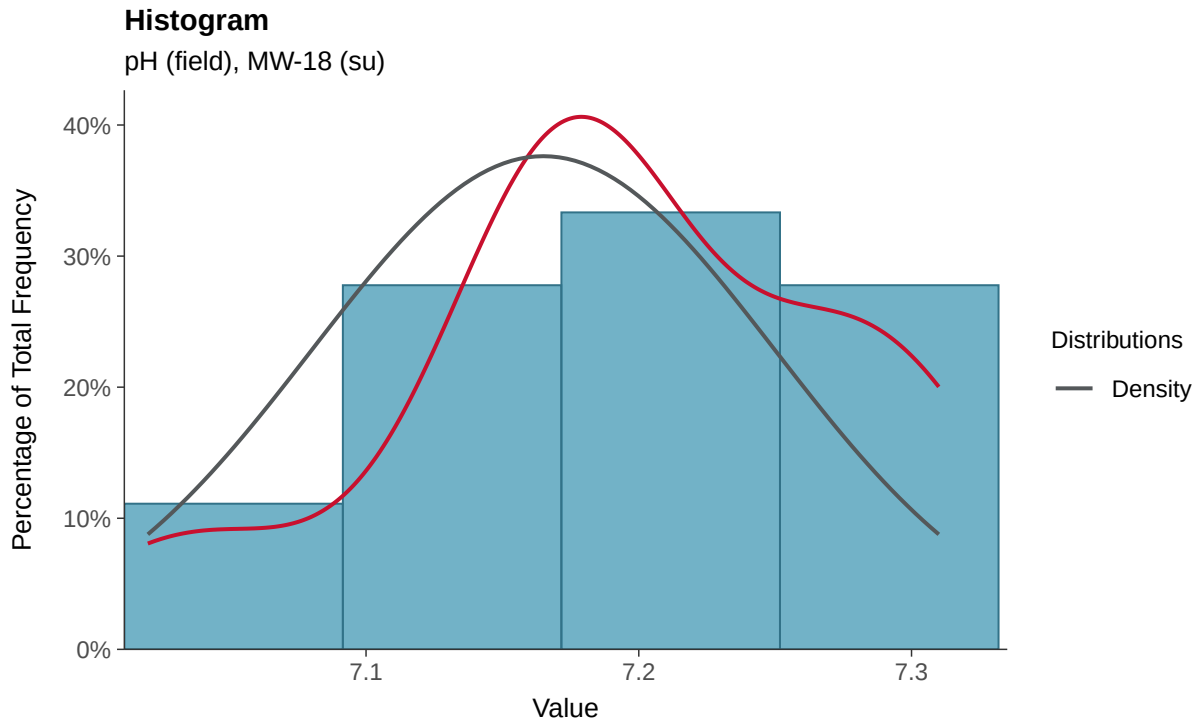
Fluoride, MW-18 (mg/L)



Appendix III: pH (field), MW-18

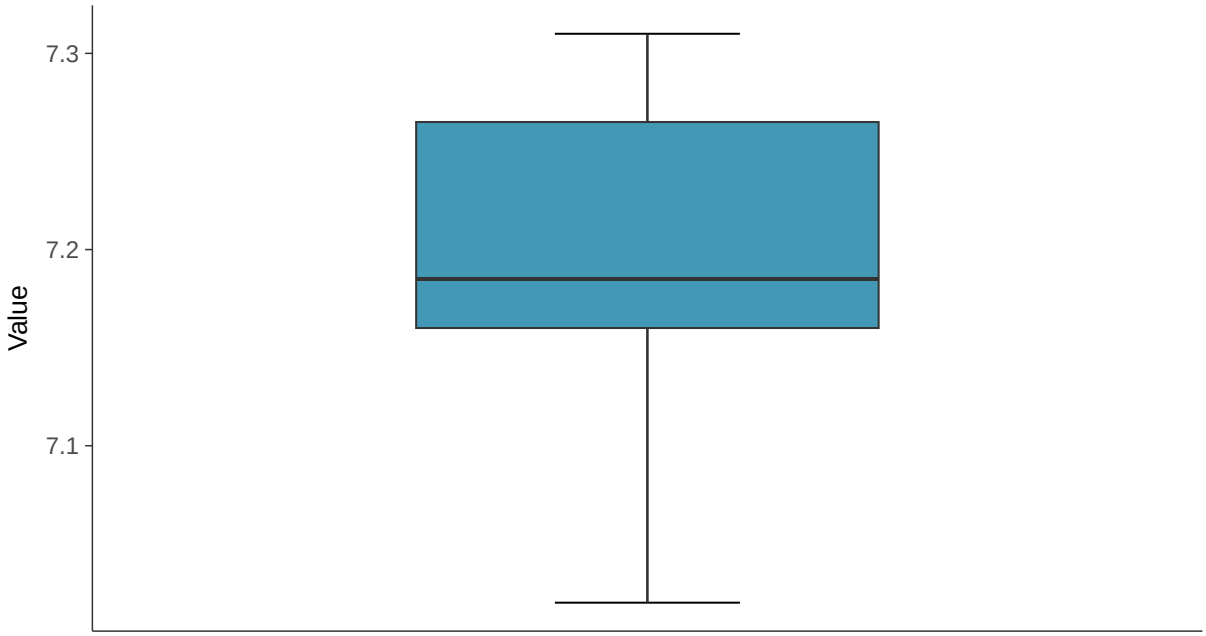
ID: 28_1_3_120





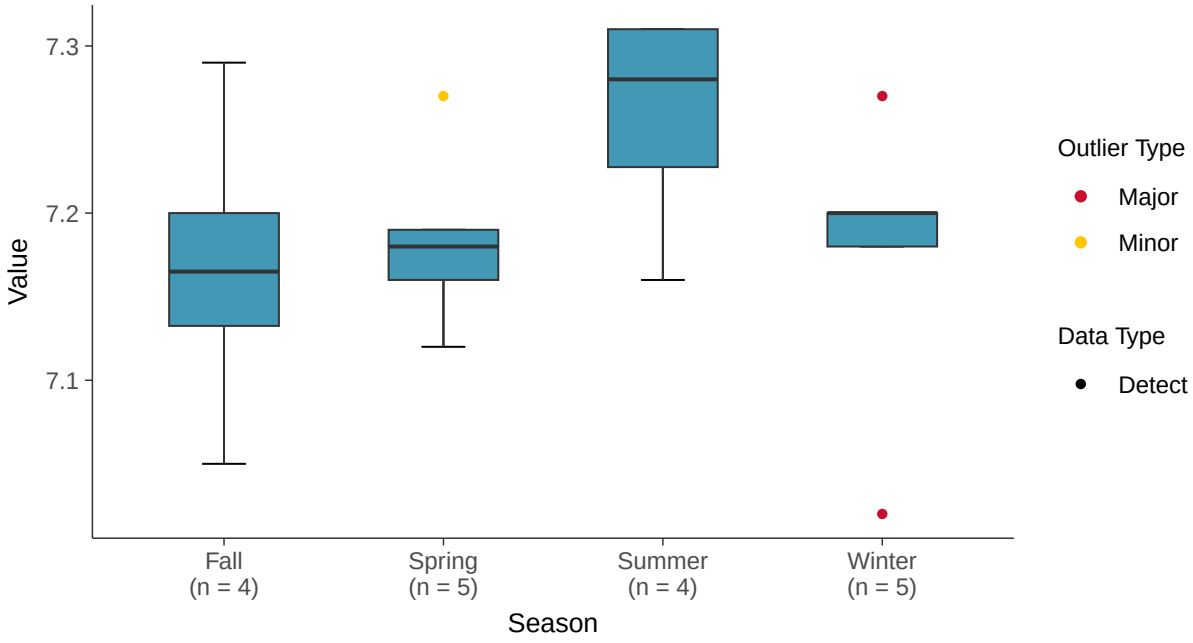
Boxplot

pH (field), MW-18 (su)



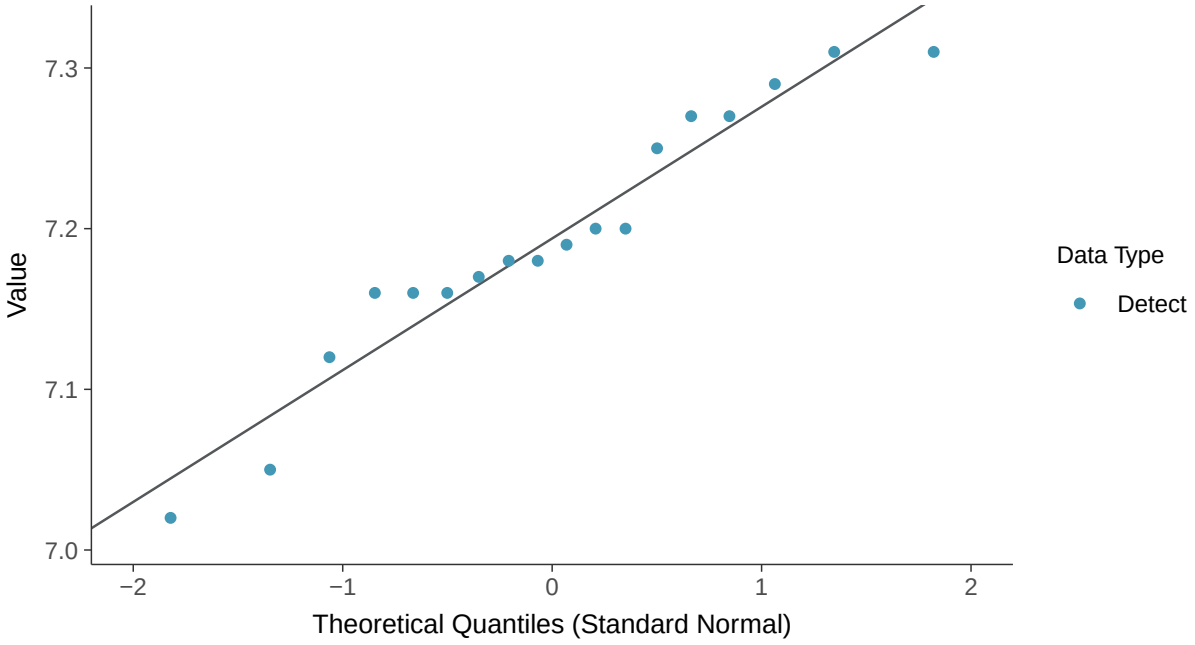
Boxplot by Season

pH (field), MW-18 (su)



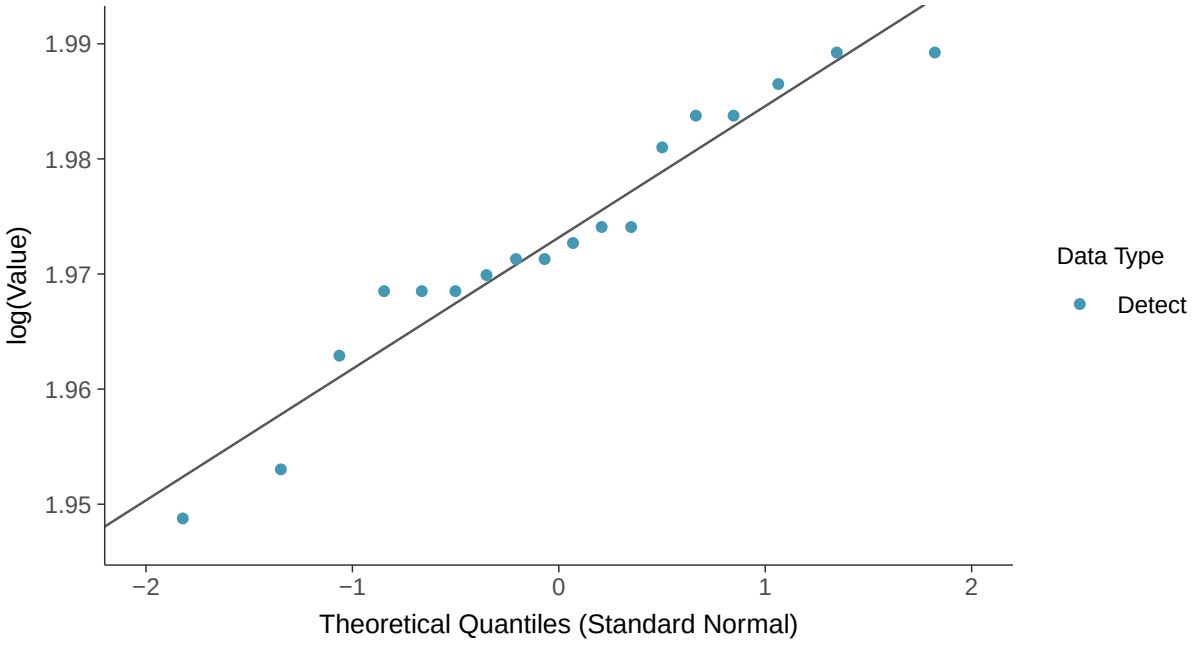
Normal Q-Q plot

pH (field), MW-18 (su)



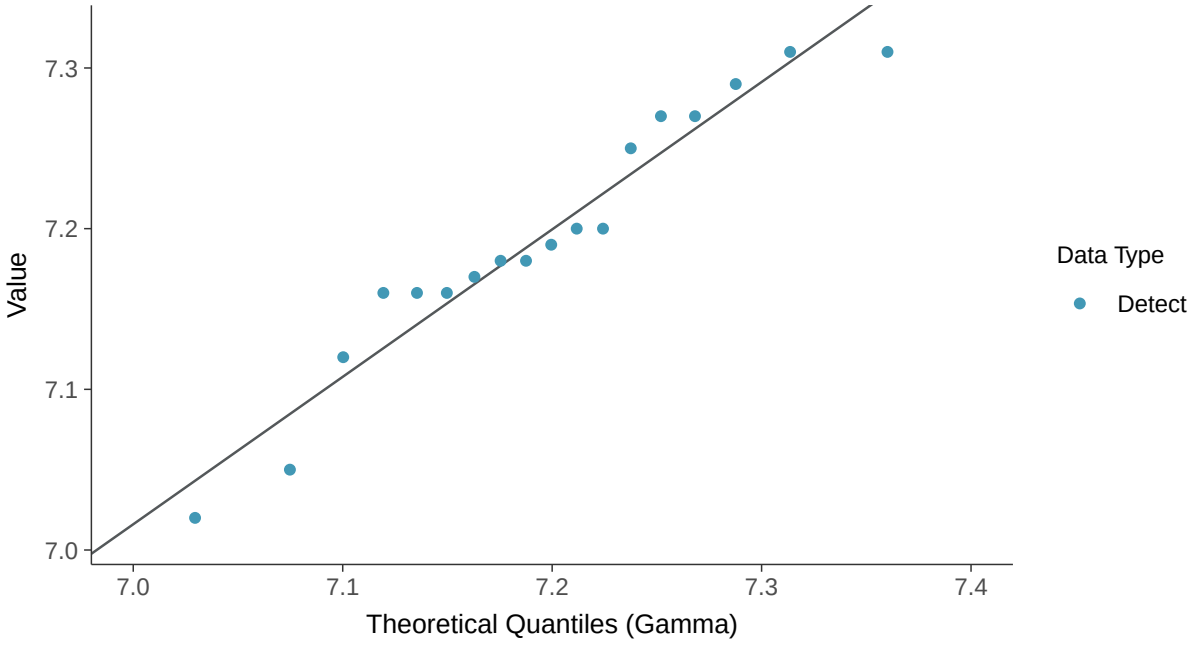
Lognormal Q-Q plot

pH (field), MW-18 (su)



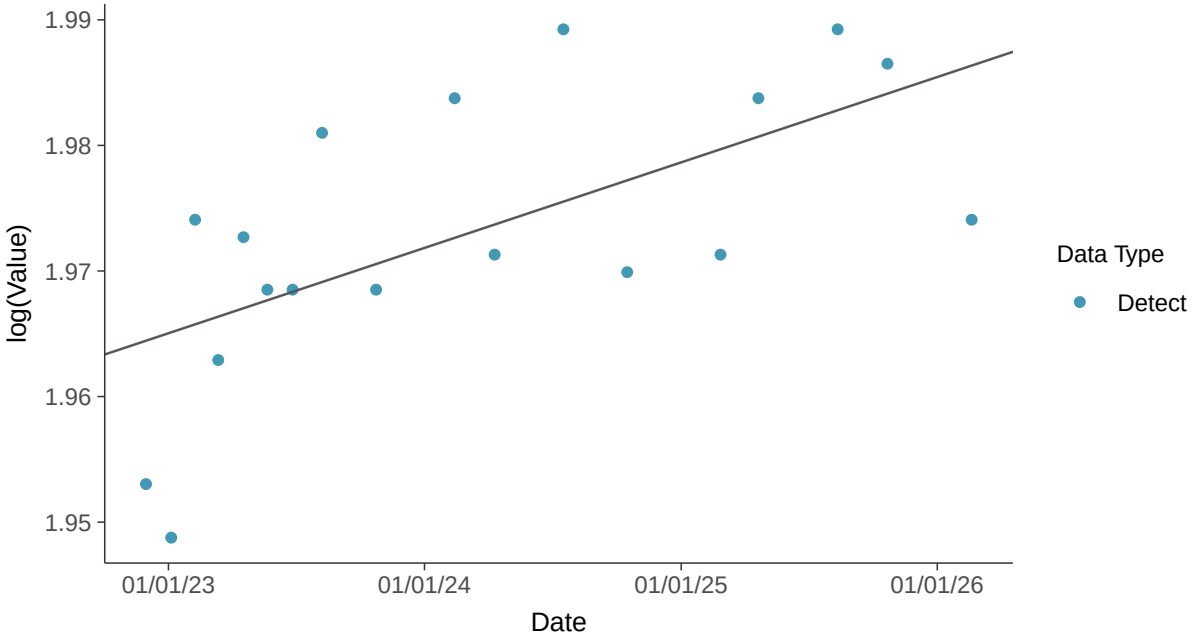
Gamma Q-Q plot

pH (field), MW-18 (su)



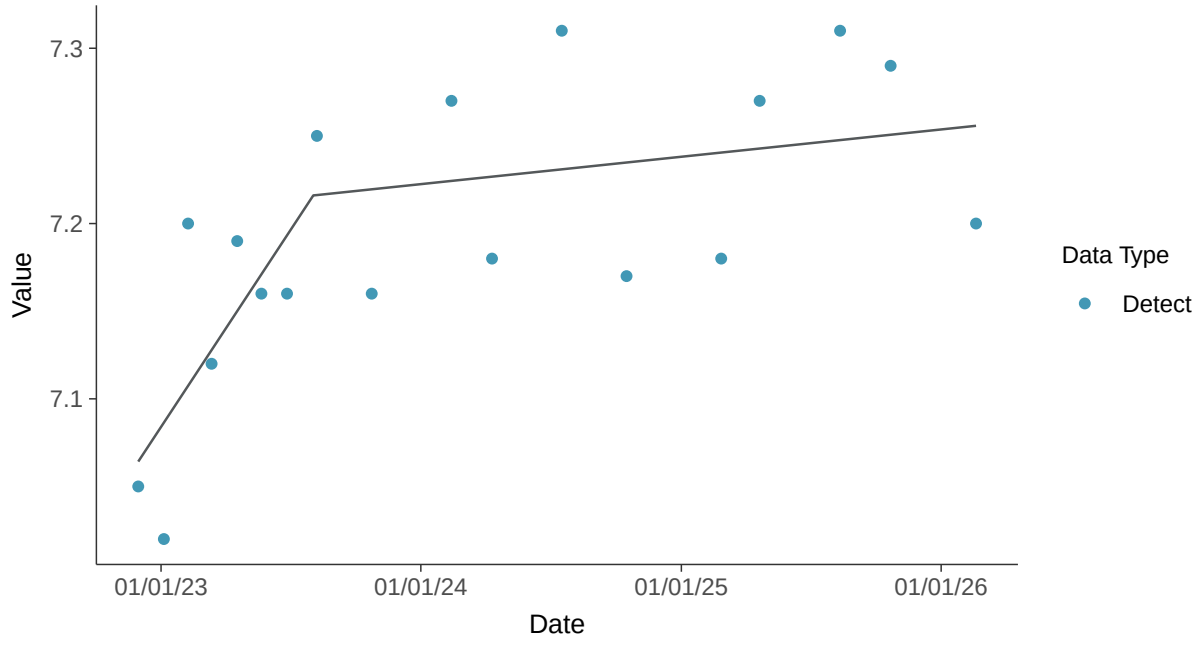
Trend Regression: Lognormal MLE

pH (field), MW-18 (su)



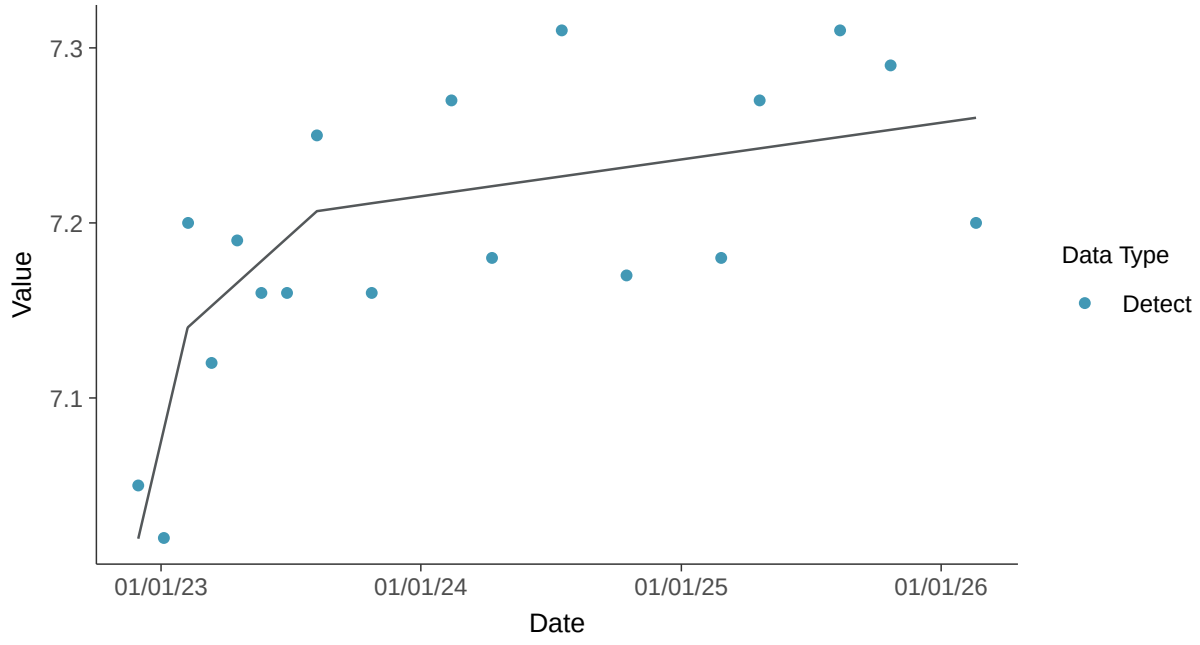
Trend Regression: Piecewise Linear-Linear

pH (field), MW-18 (su)



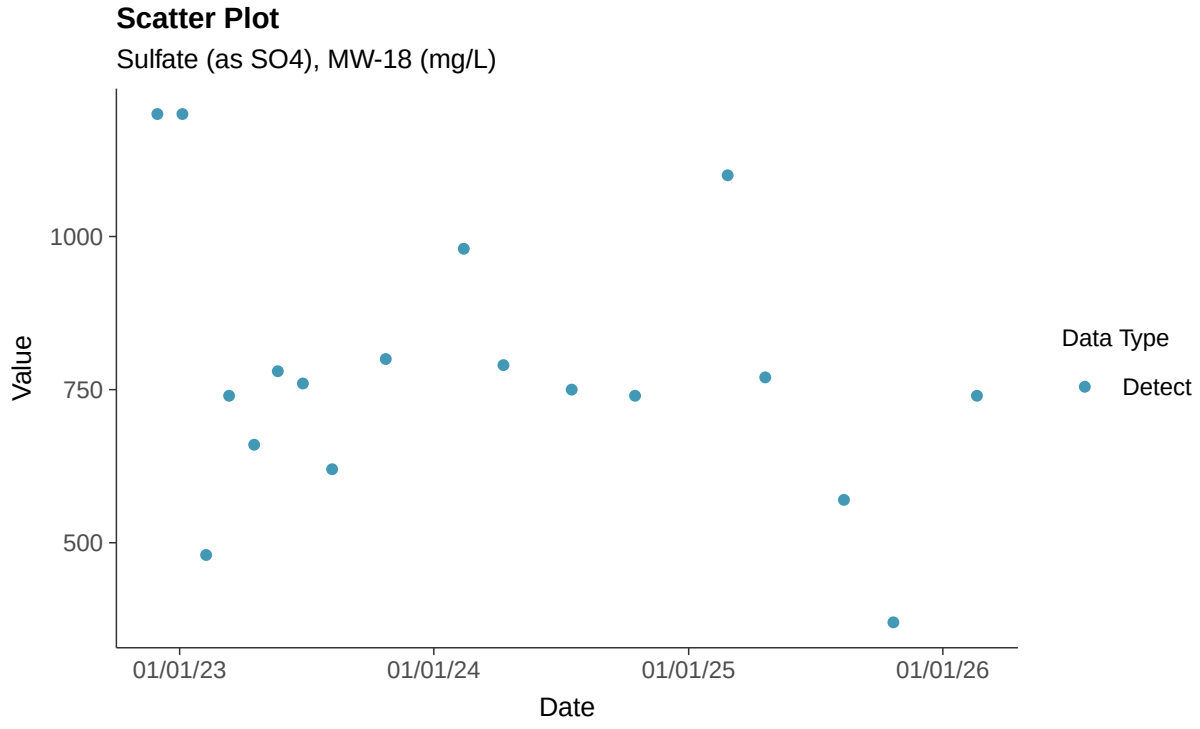
Trend Regression: Piecewise Linear-Linear-Linear

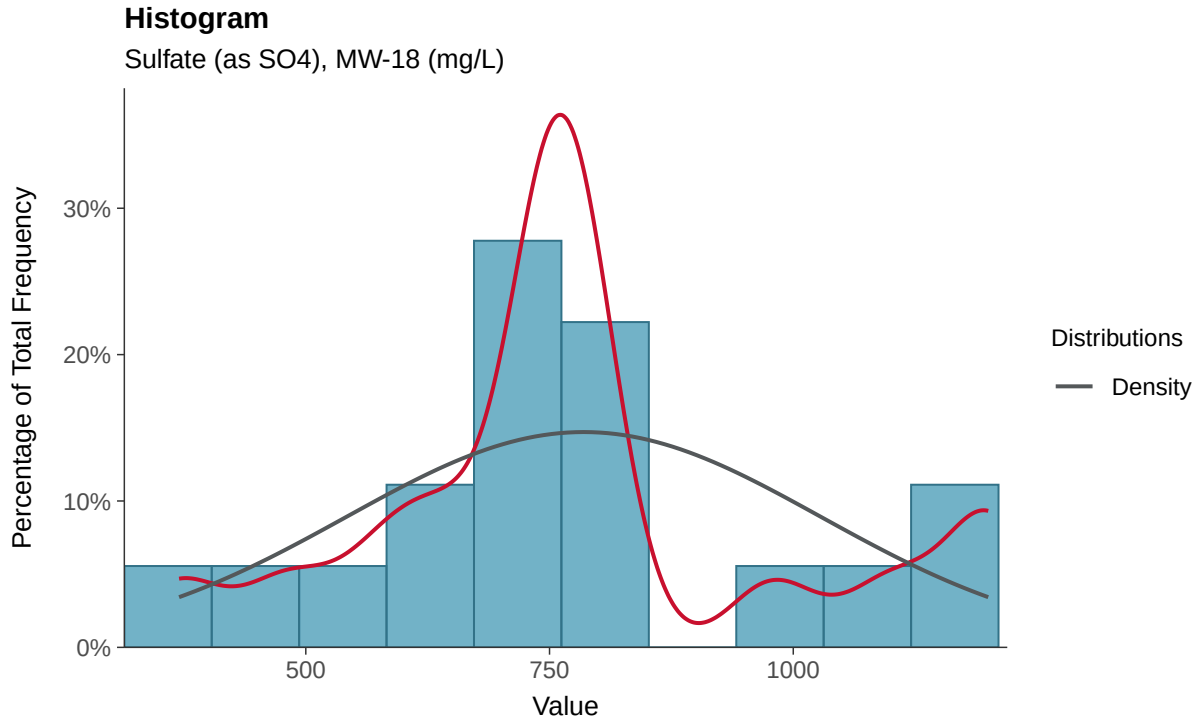
pH (field), MW-18 (su)



Appendix III: Sulfate (as SO4), MW-18

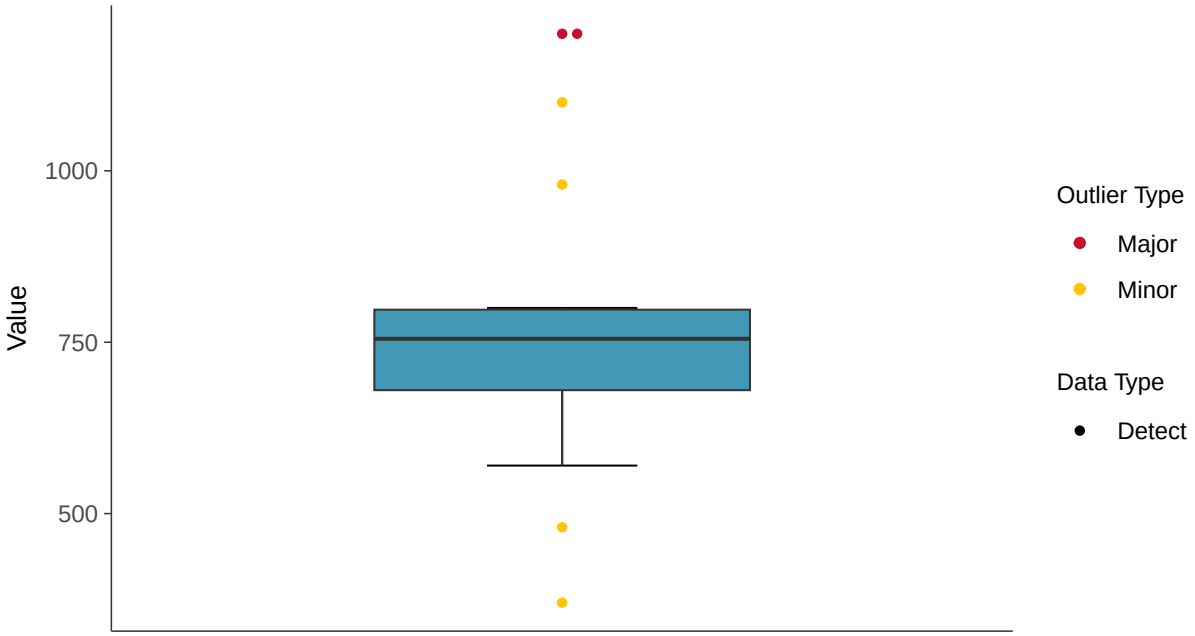
ID: 28_1_3_124





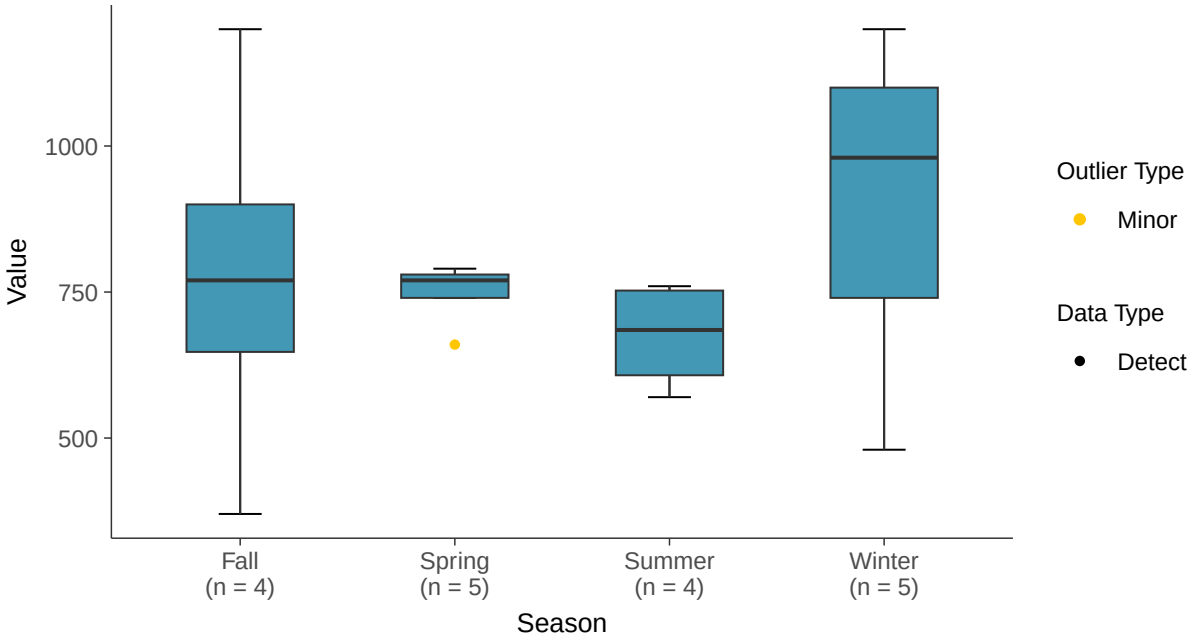
Boxplot

Sulfate (as SO4), MW-18 (mg/L)



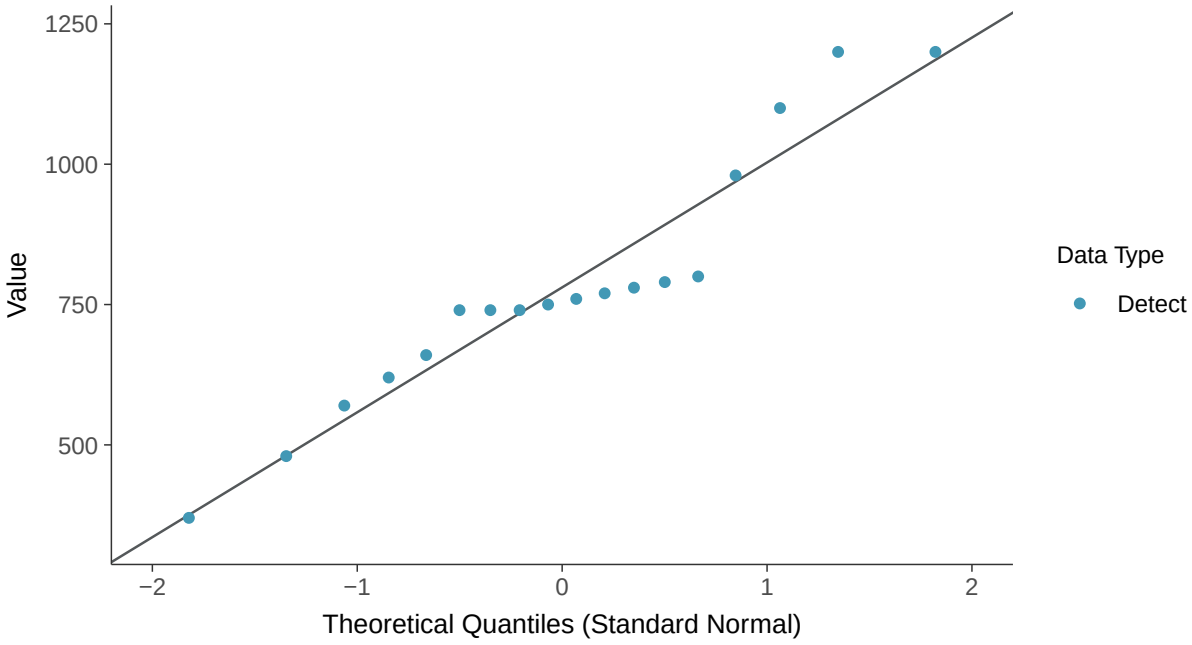
Boxplot by Season

Sulfate (as SO4), MW-18 (mg/L)



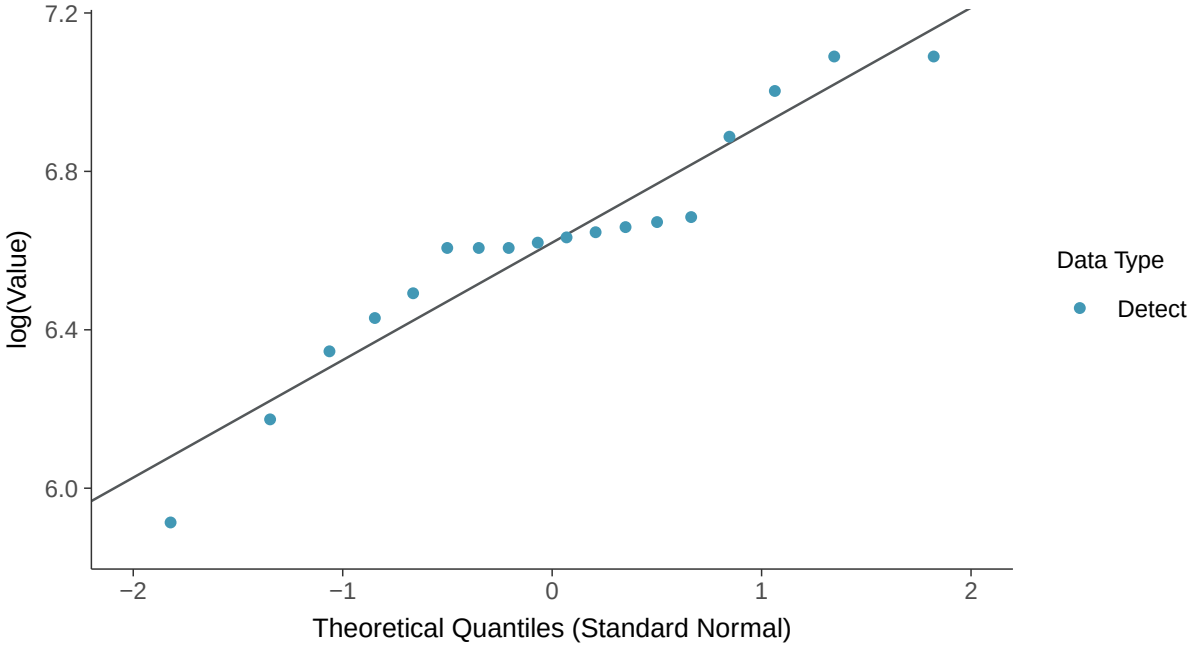
Normal Q-Q plot

Sulfate (as SO4), MW-18 (mg/L)



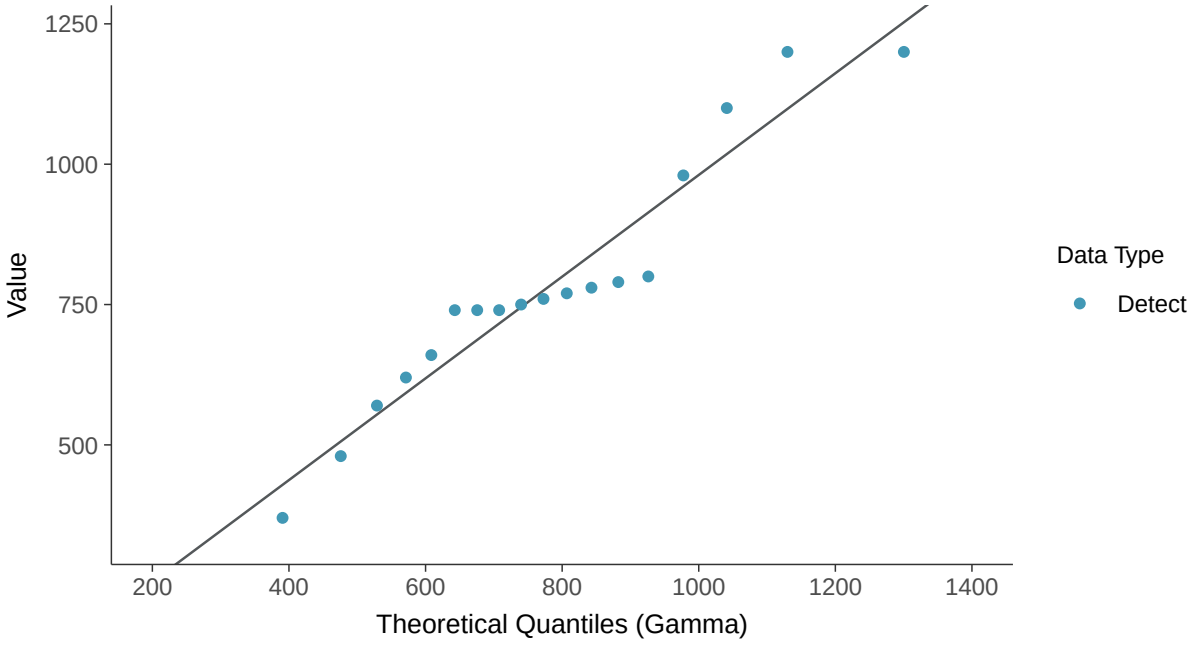
Lognormal Q-Q plot

Sulfate (as SO4), MW-18 (mg/L)



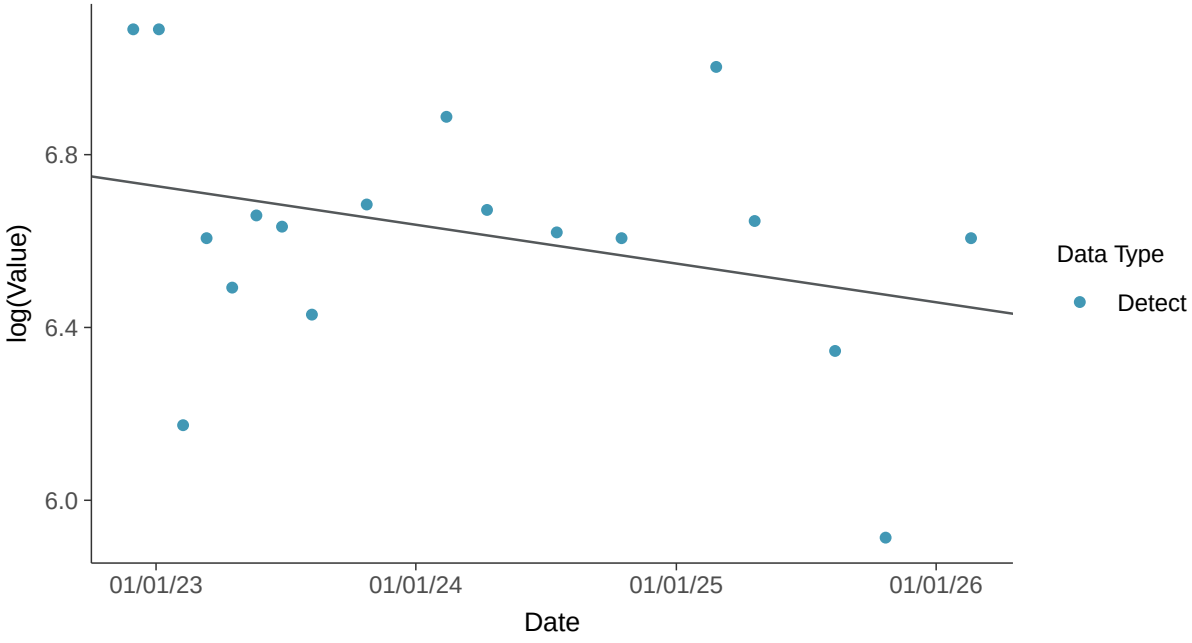
Gamma Q-Q plot

Sulfate (as SO4), MW-18 (mg/L)



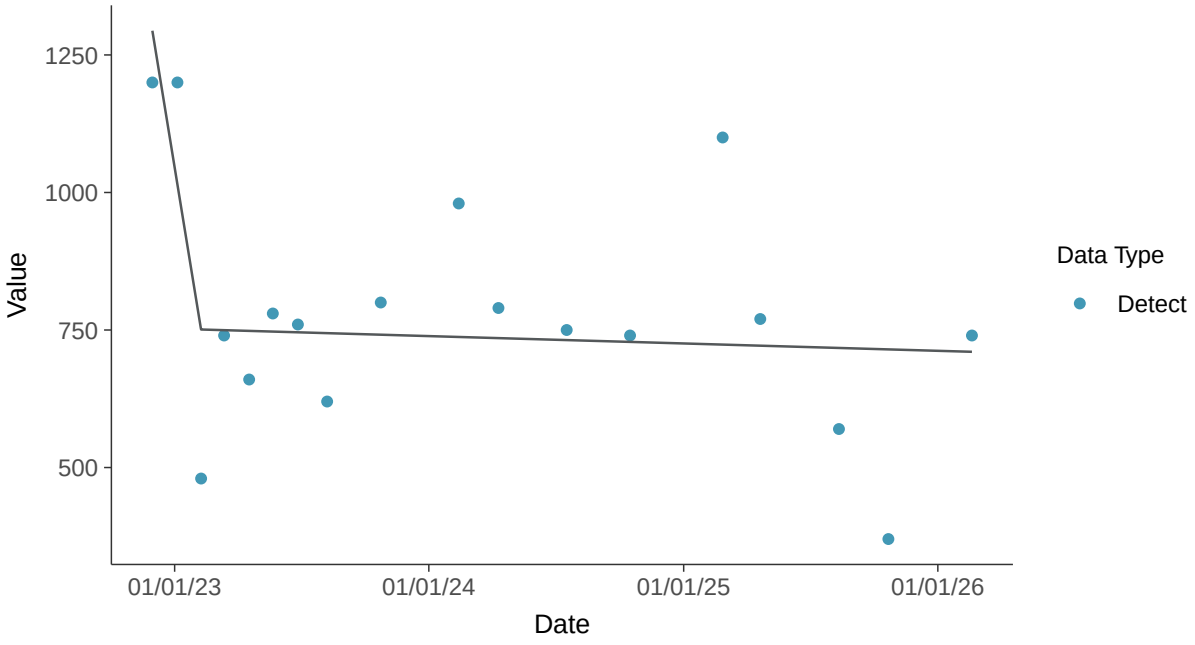
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-18 (mg/L)



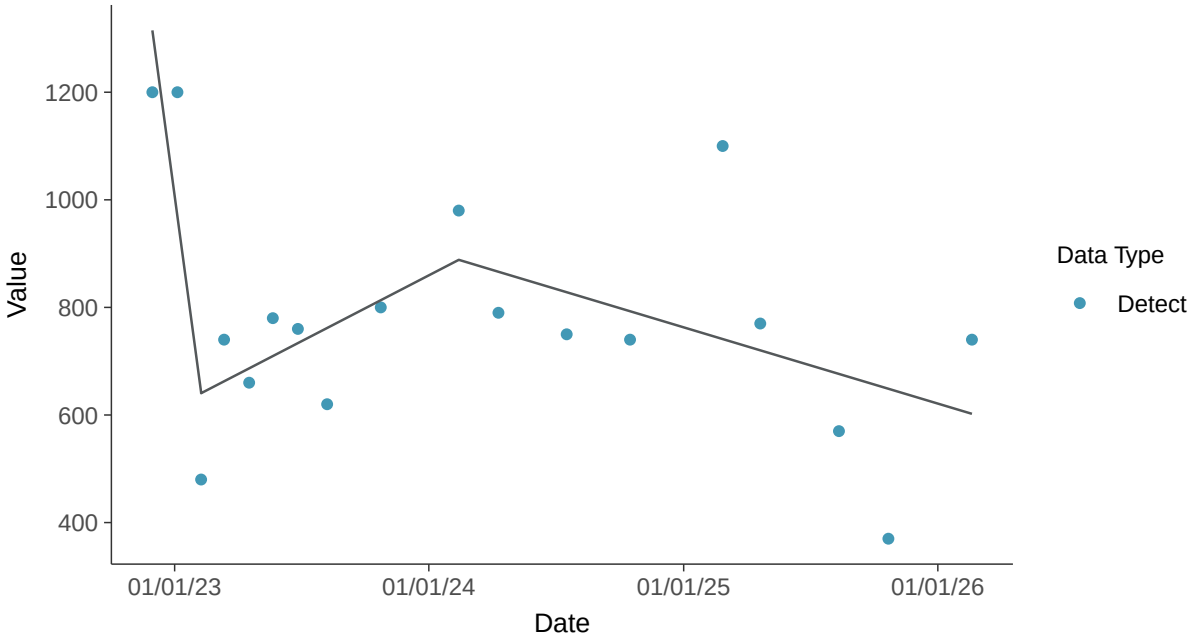
Trend Regression: Piecewise Linear-Linear

Sulfate (as SO4), MW-18 (mg/L)



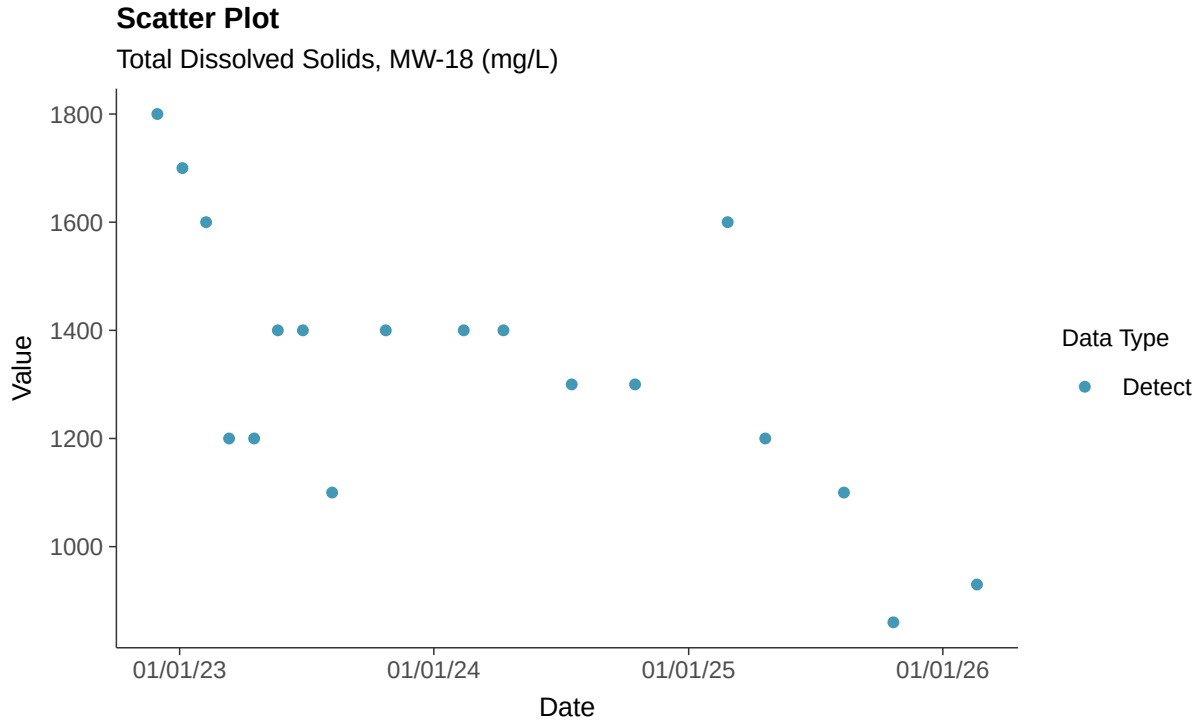
Trend Regression: Piecewise Linear-Linear-Linear

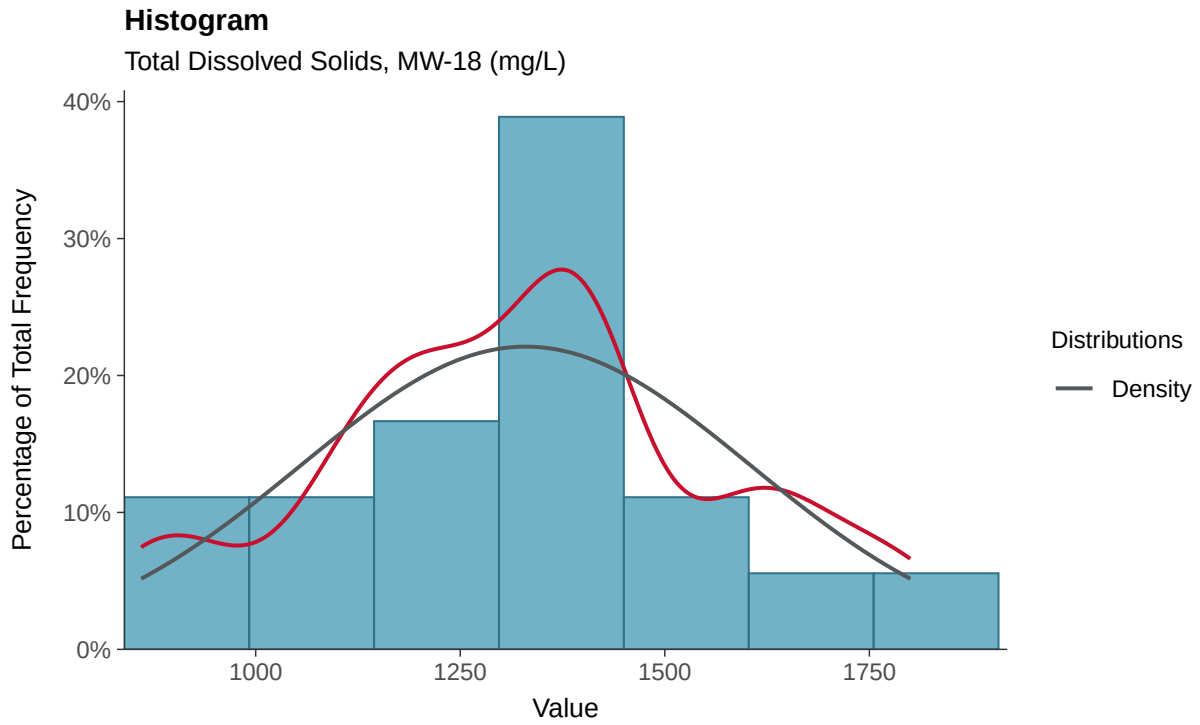
Sulfate (as SO4), MW-18 (mg/L)



Appendix III: Total Dissolved Solids, MW-18

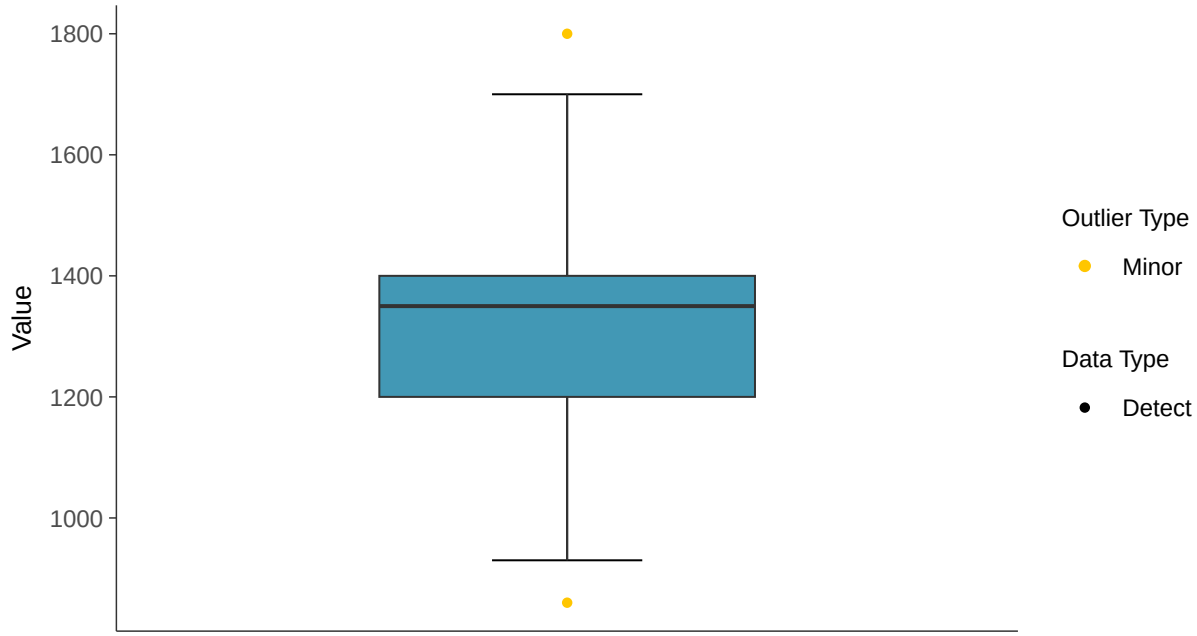
ID: 28_1_3_126





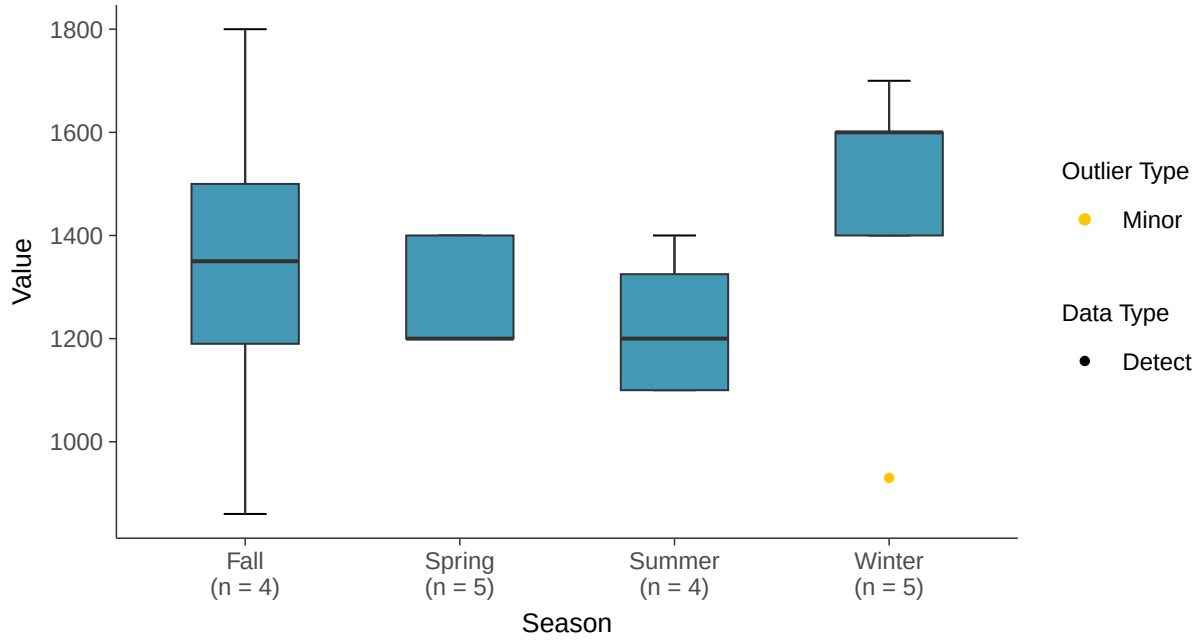
Boxplot

Total Dissolved Solids, MW-18 (mg/L)



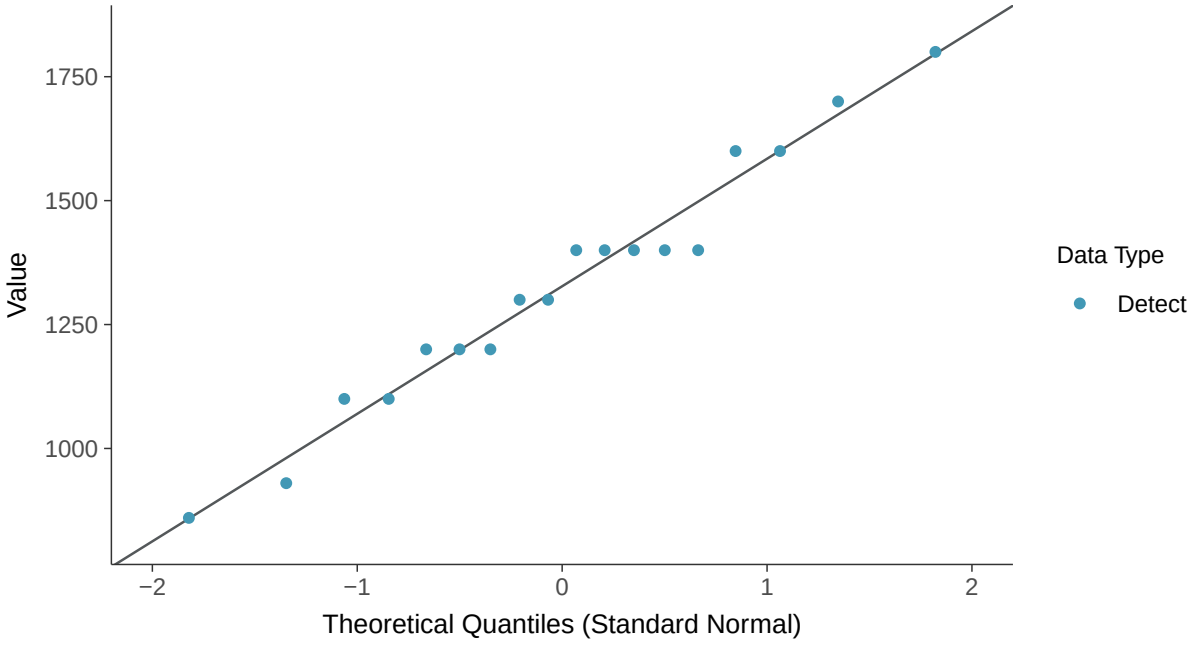
Boxplot by Season

Total Dissolved Solids, MW-18 (mg/L)



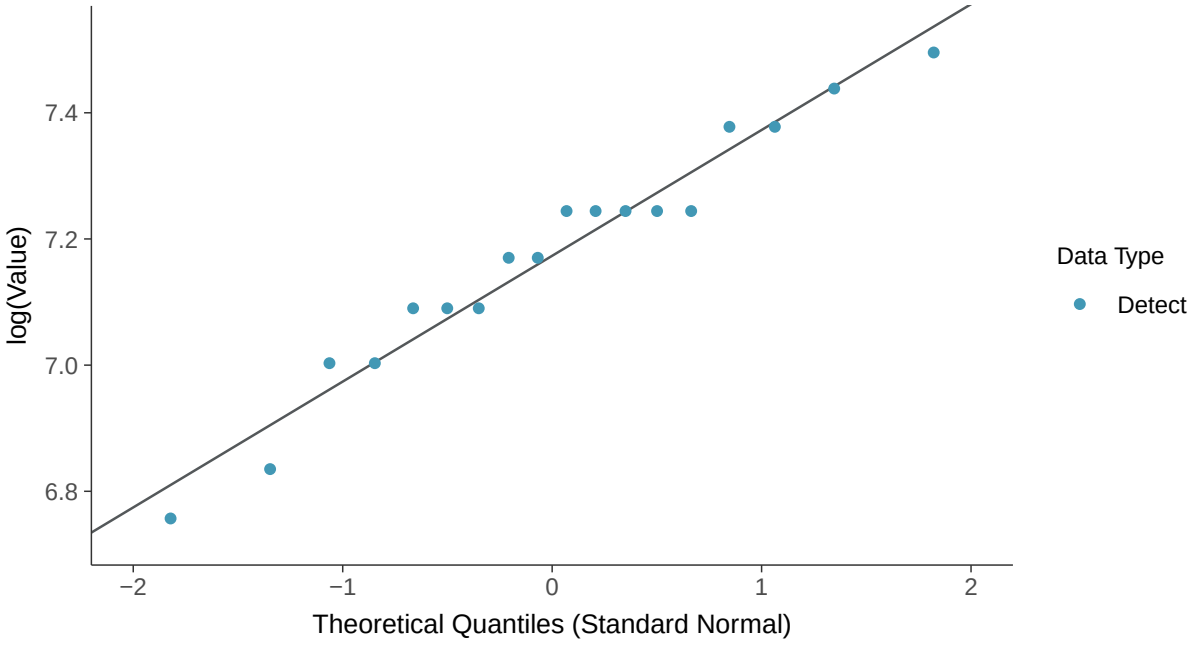
Normal Q-Q plot

Total Dissolved Solids, MW-18 (mg/L)



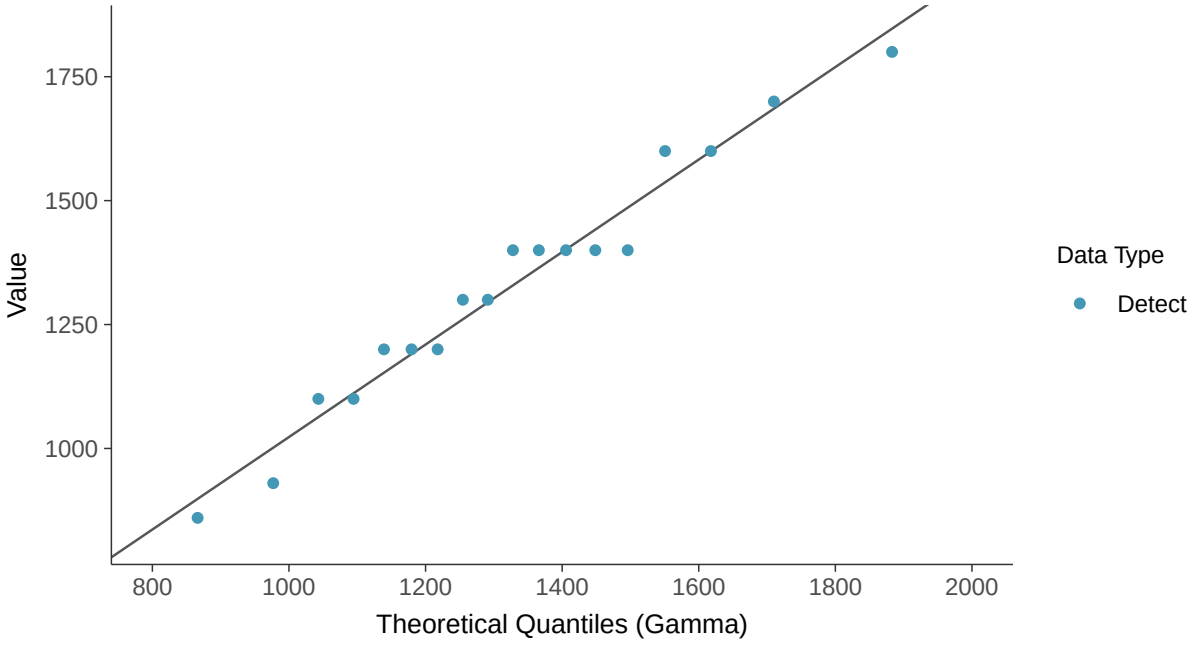
Lognormal Q-Q plot

Total Dissolved Solids, MW-18 (mg/L)



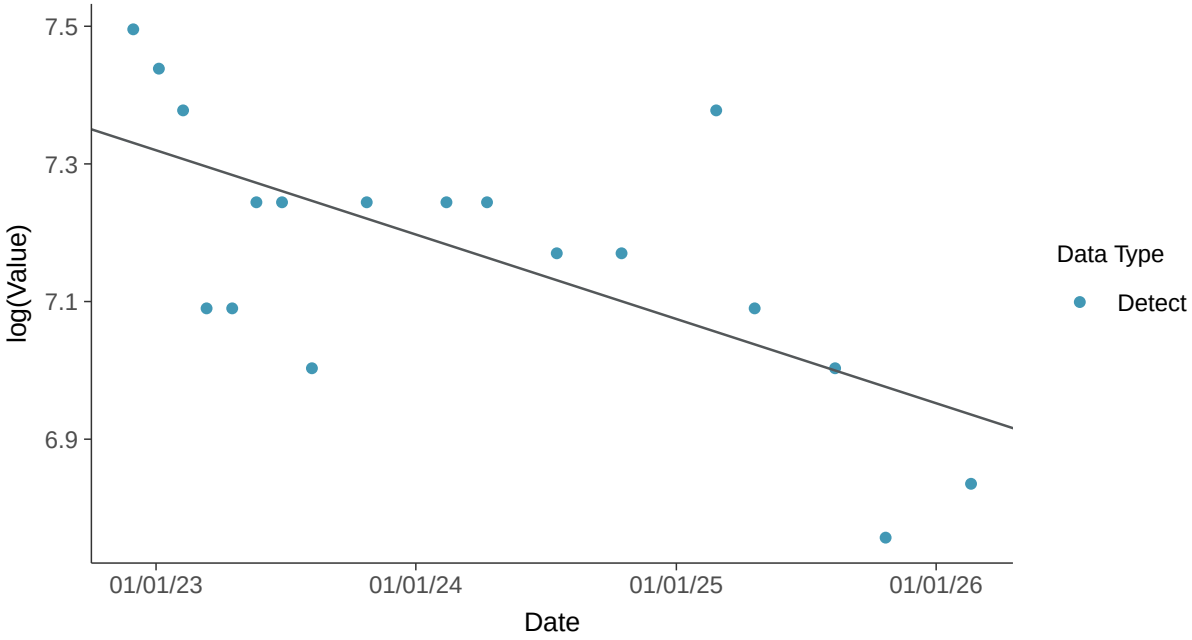
Gamma Q-Q plot

Total Dissolved Solids, MW-18 (mg/L)



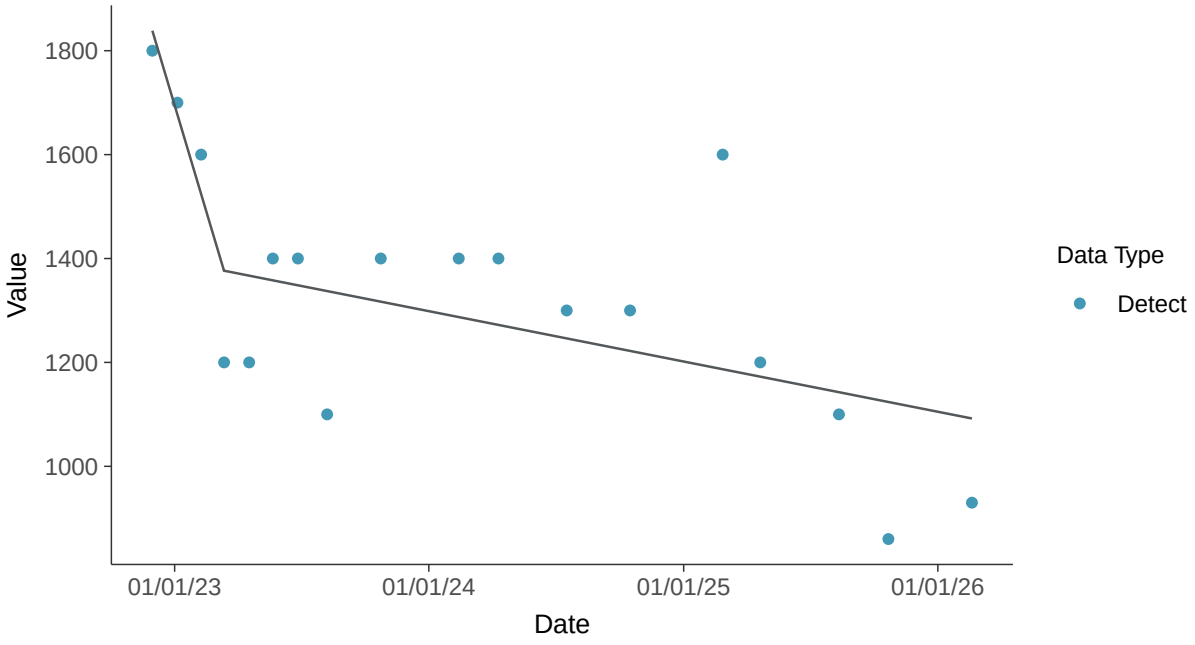
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-18 (mg/L)



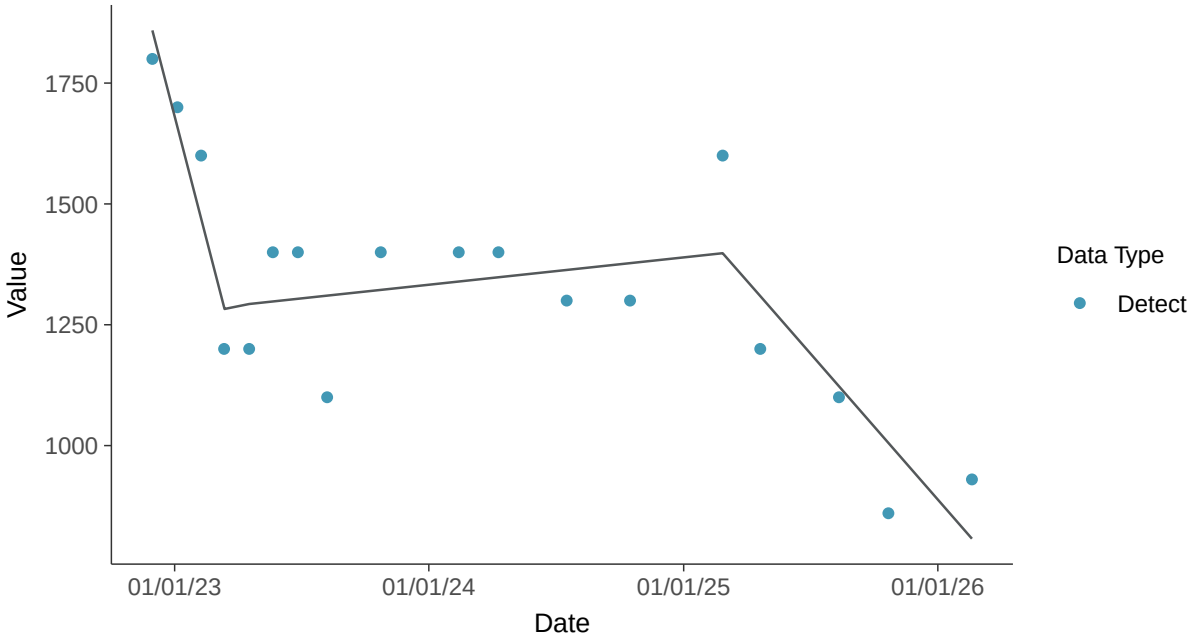
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-18 (mg/L)



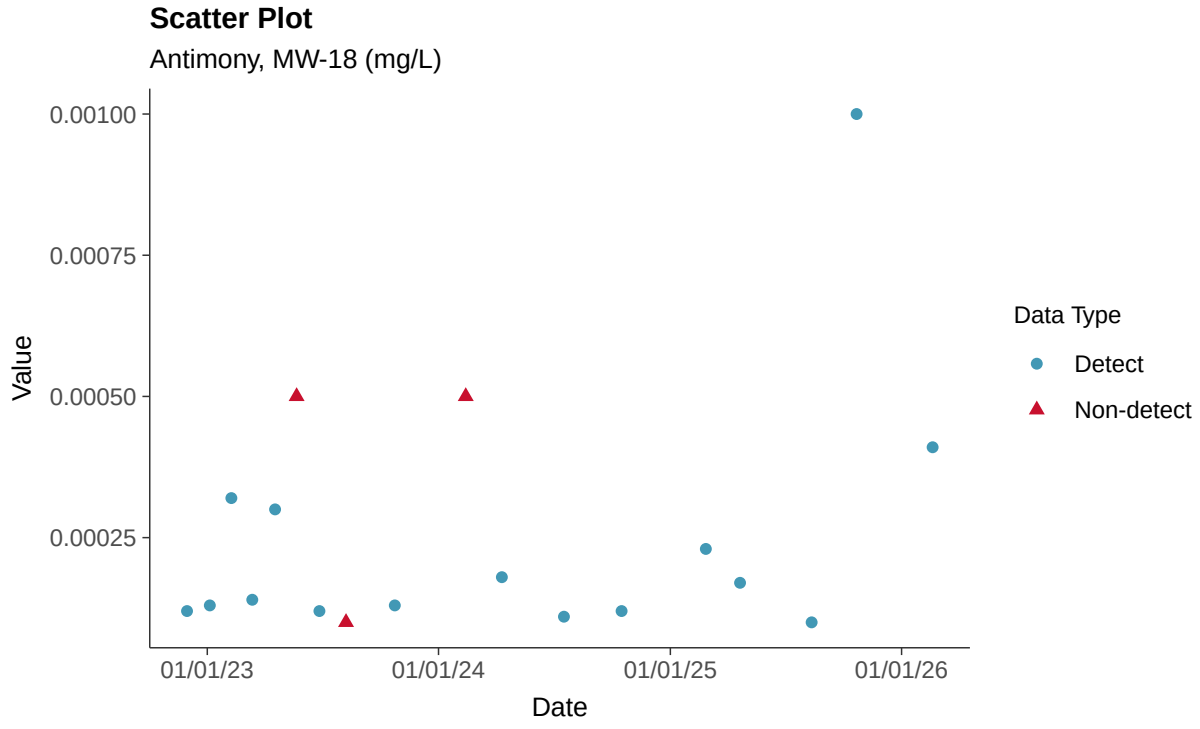
Trend Regression: Piecewise Linear-Linear-Linear

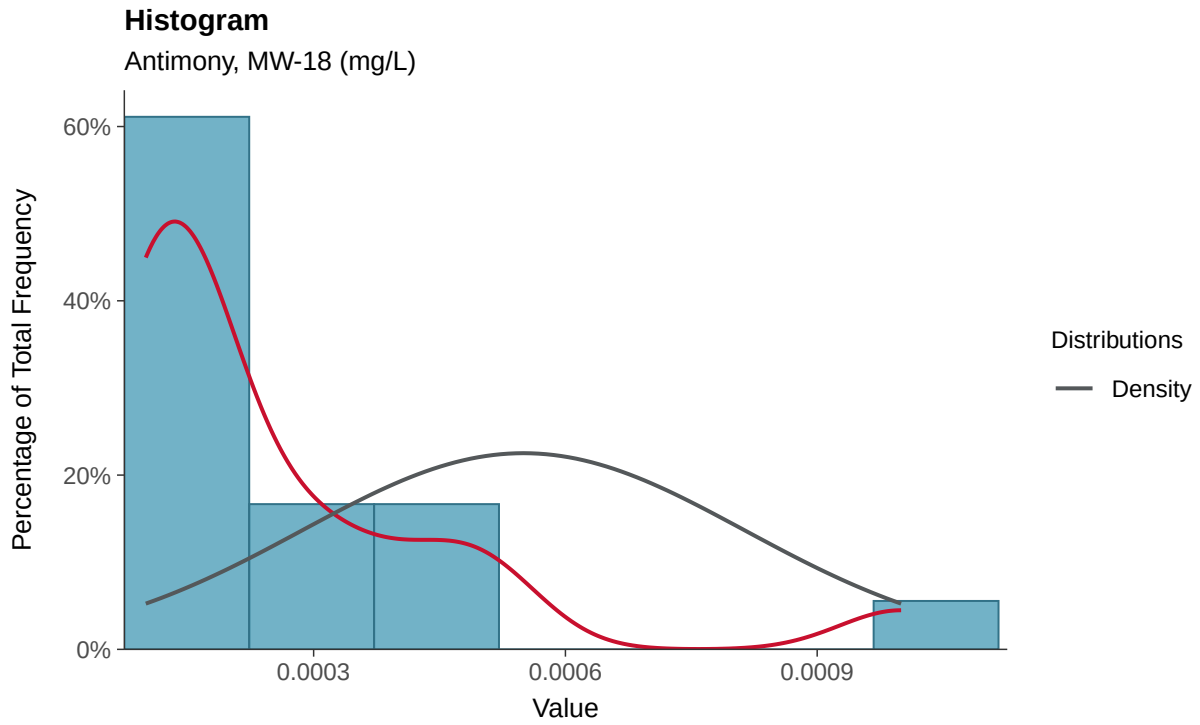
Total Dissolved Solids, MW-18 (mg/L)



Appendix IV: Antimony, MW-18

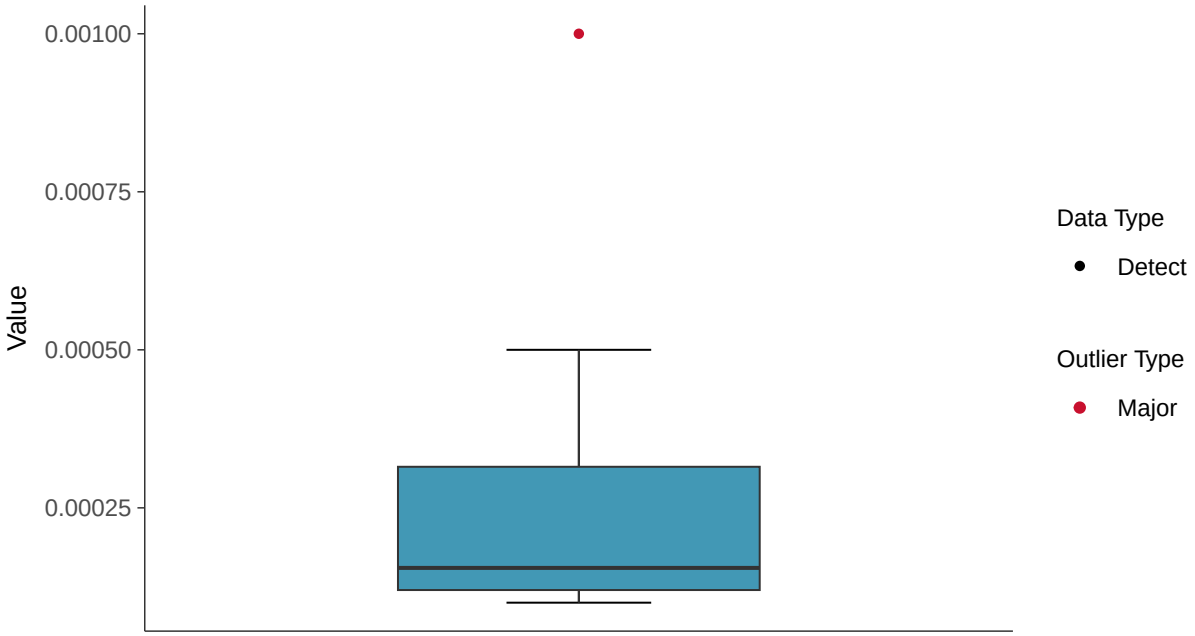
ID: 28_1_4_101





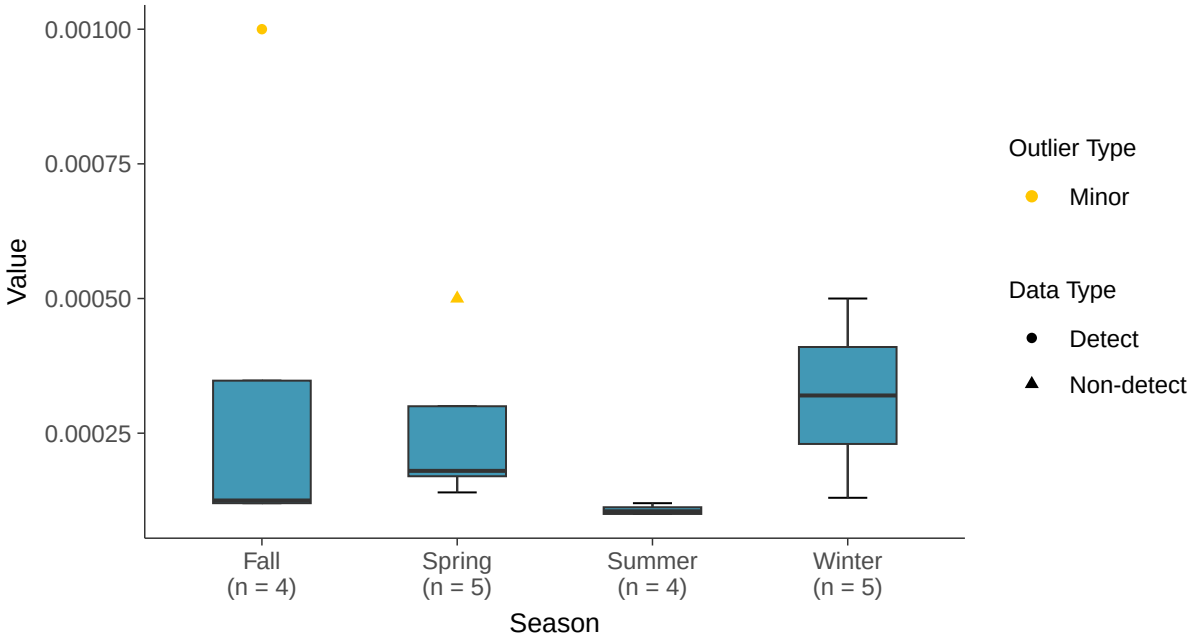
Boxplot

Antimony, MW-18 (mg/L)



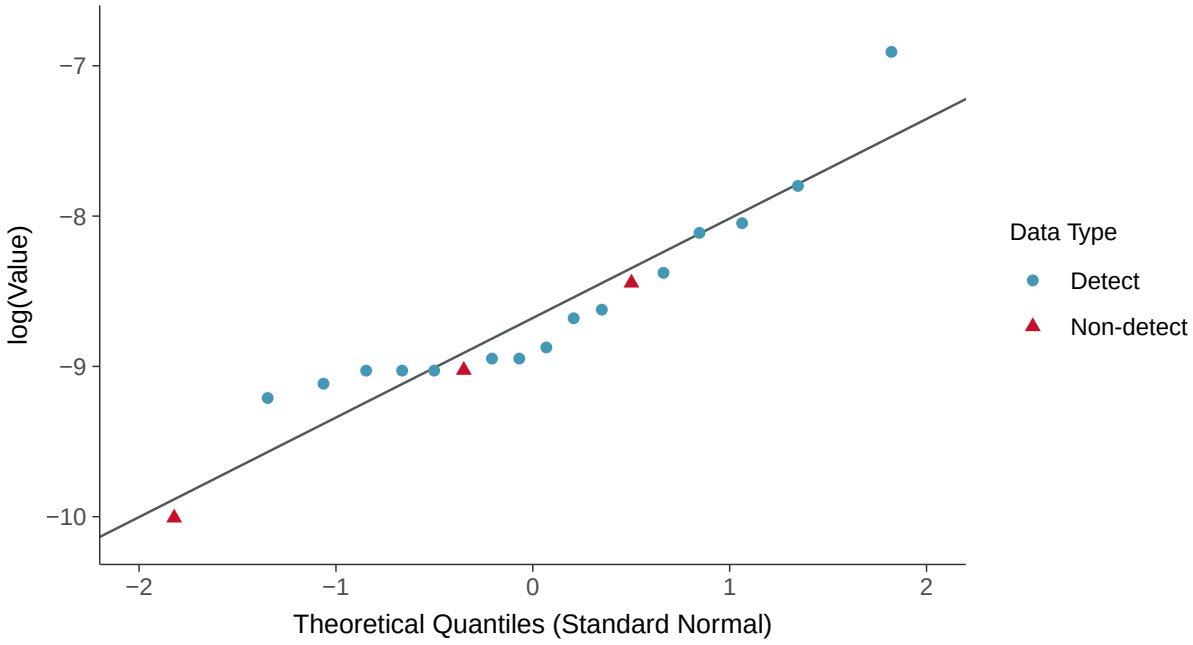
Boxplot by Season

Antimony, MW-18 (mg/L)



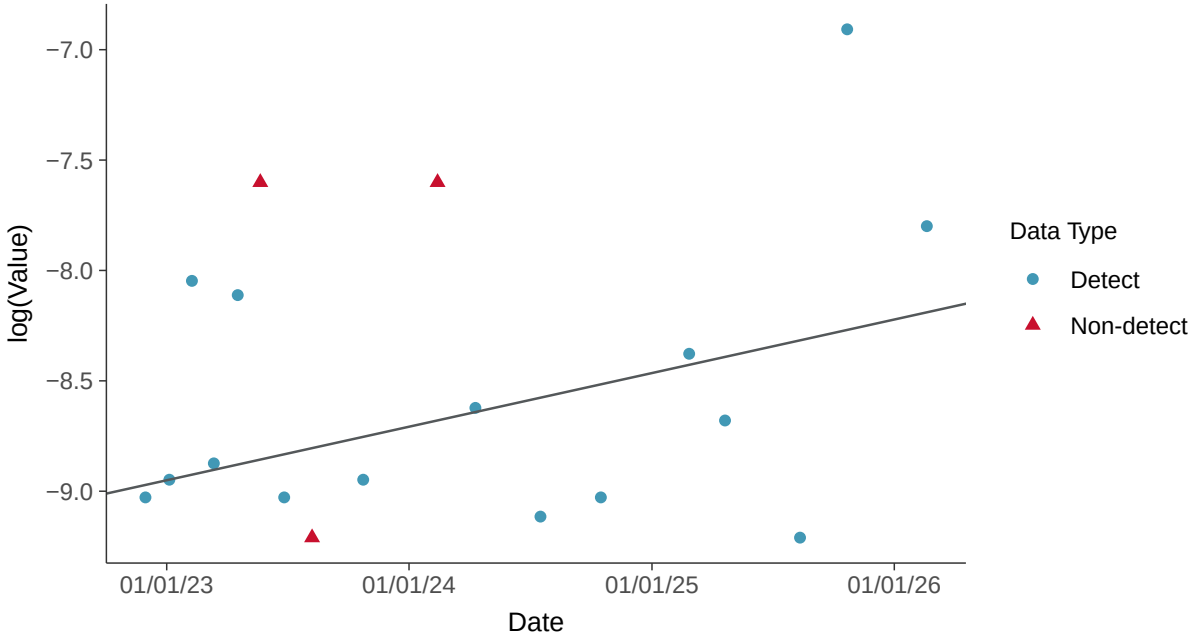
Lognormal Q-Q plot using ROS Imputed Estimates

Antimony, MW-18 (mg/L)



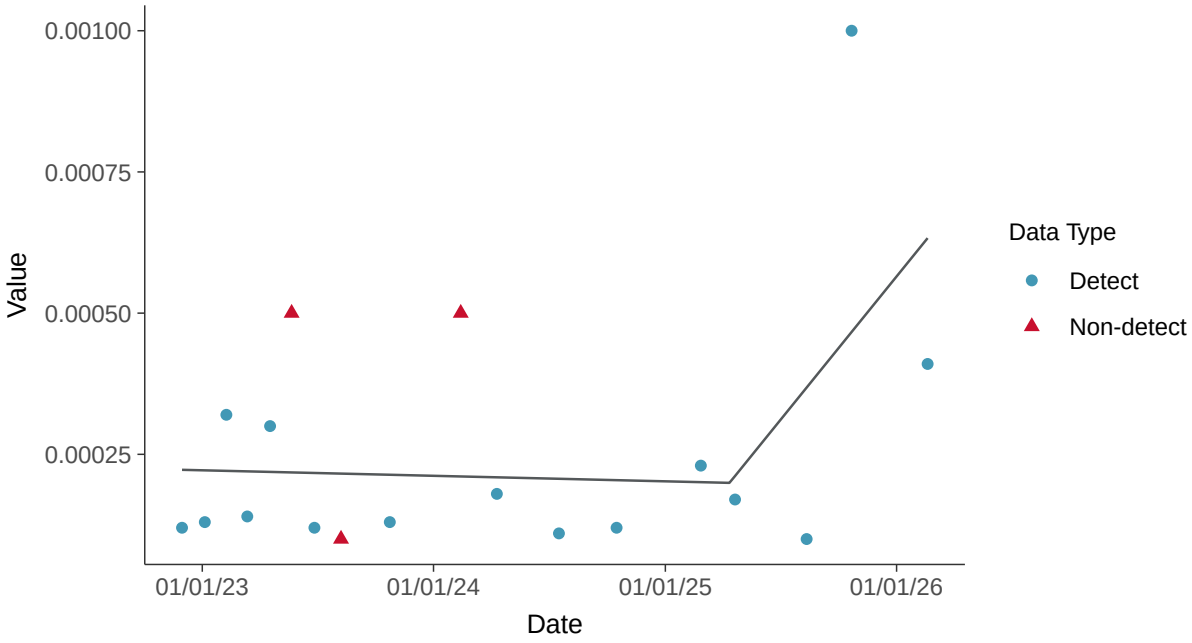
Trend Regression: Lognormal MLE

Antimony, MW-18 (mg/L)



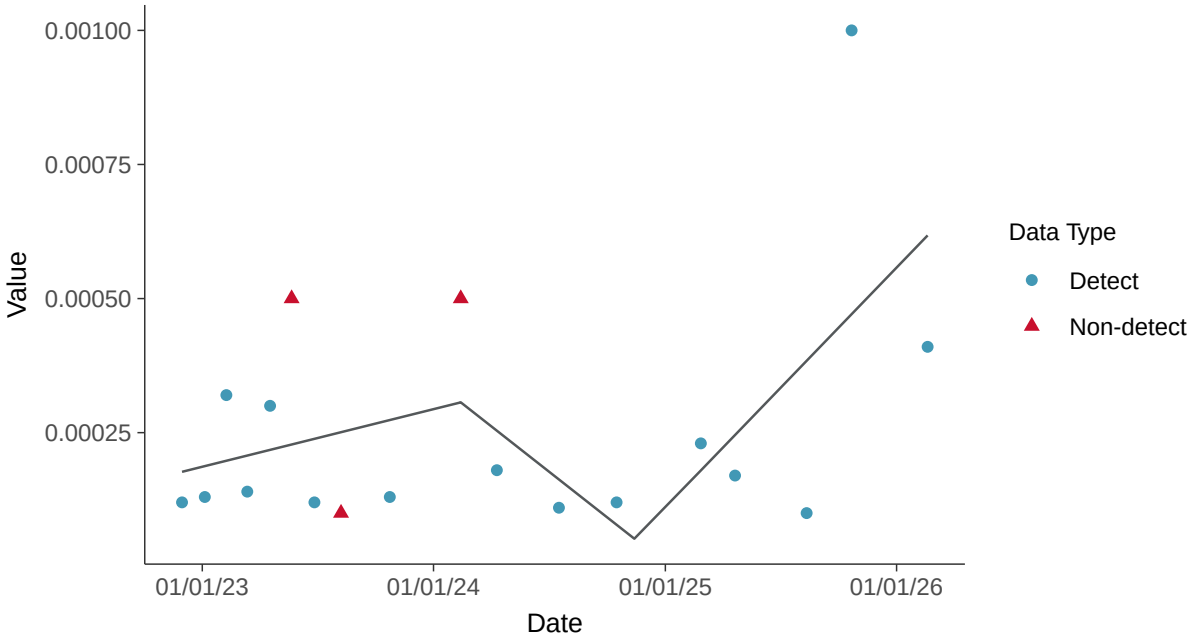
Trend Regression: Piecewise Linear-Linear

Antimony, MW-18 (mg/L)



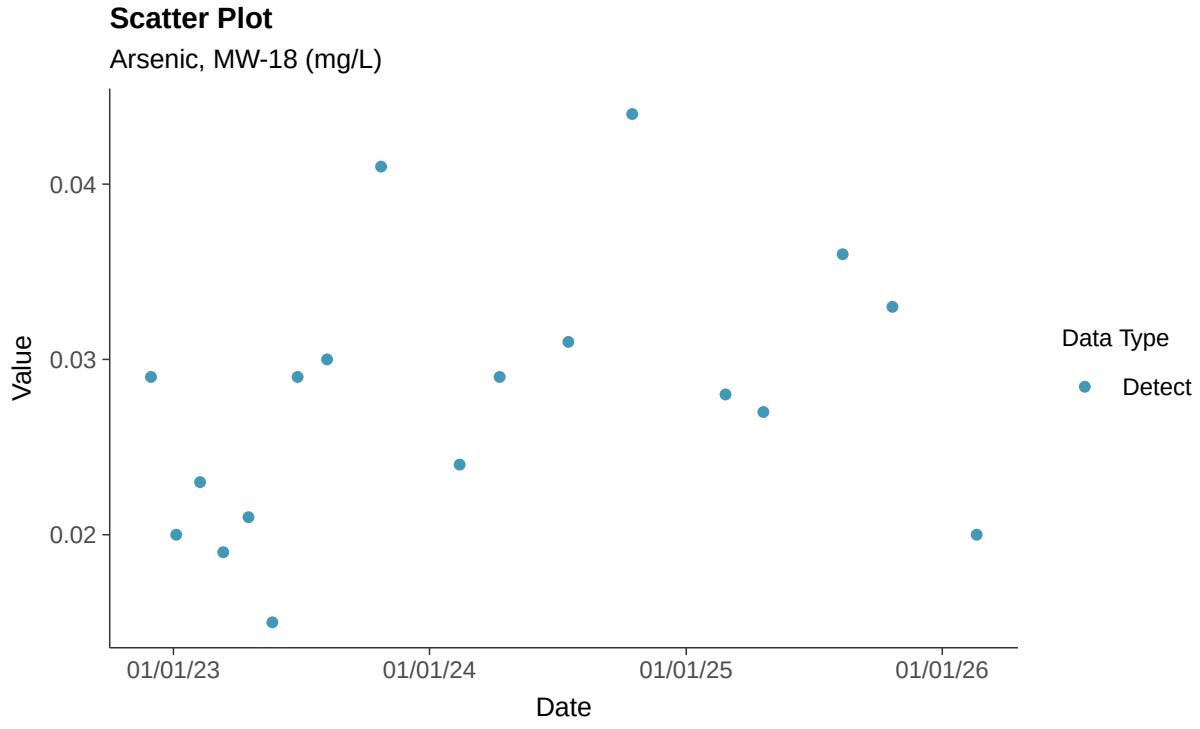
Trend Regression: Piecewise Linear-Linear-Linear

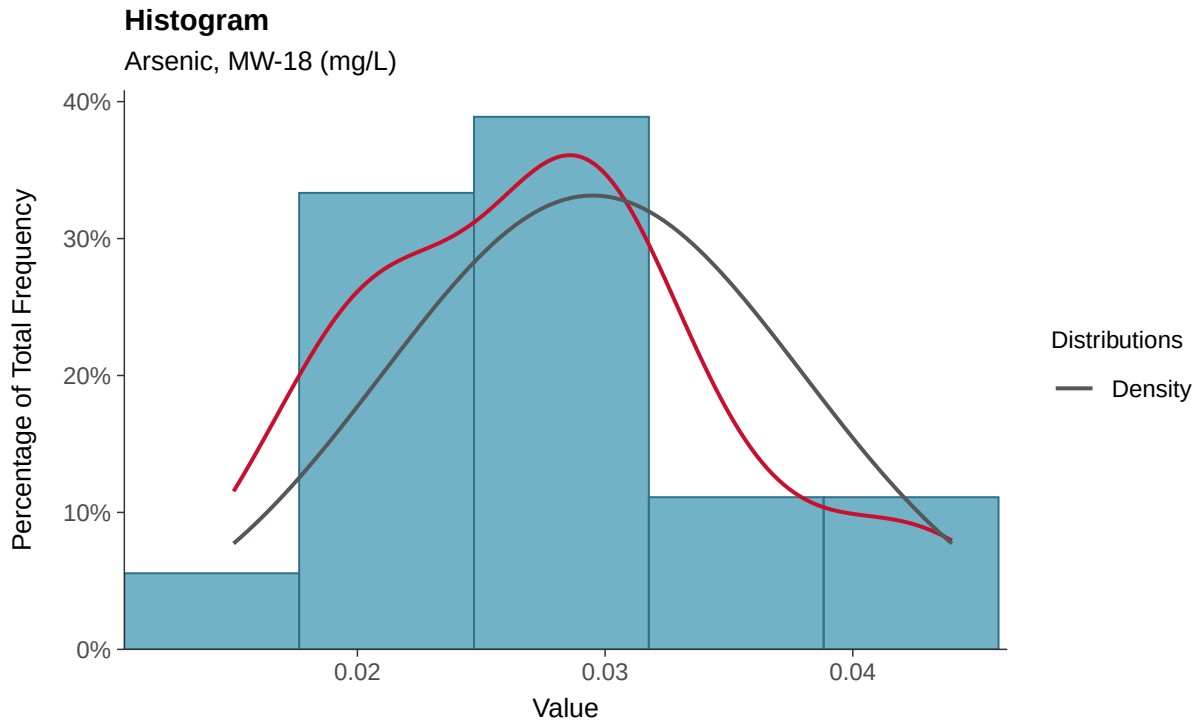
Antimony, MW-18 (mg/L)



Appendix IV: Arsenic, MW-18

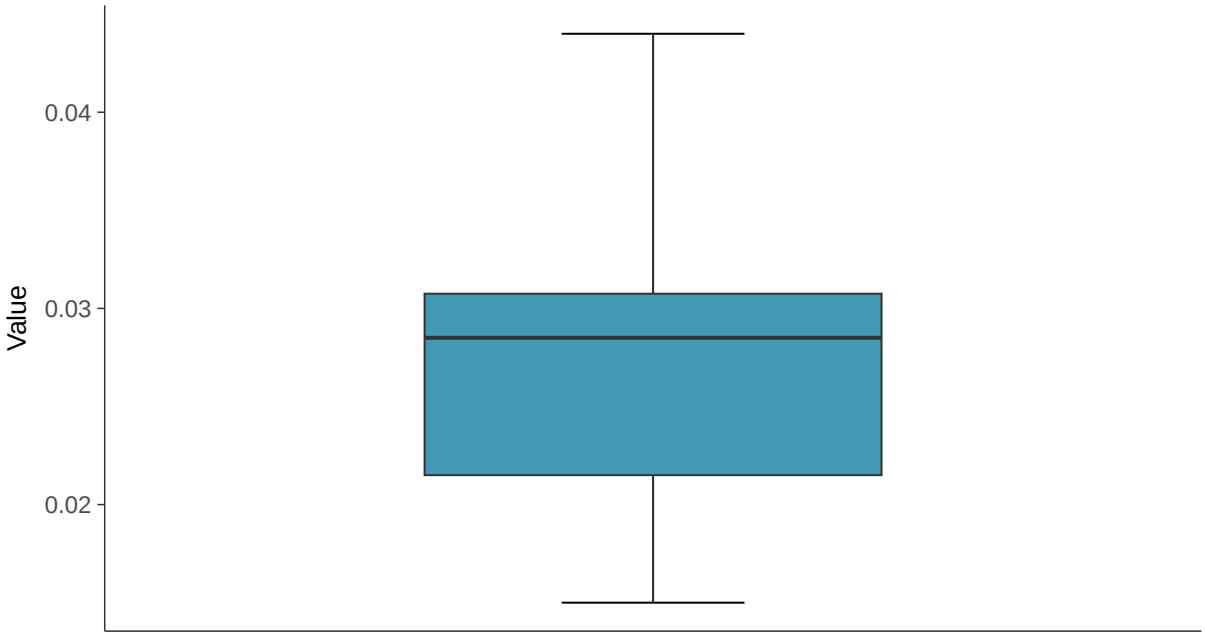
ID: 28_1_4_102





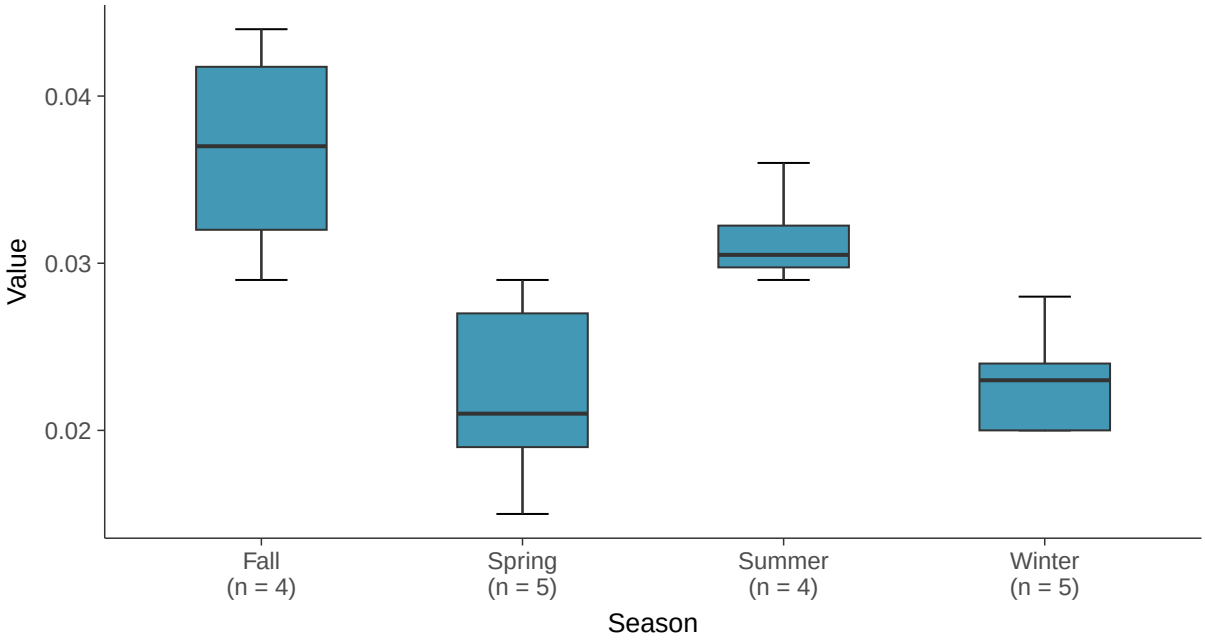
Boxplot

Arsenic, MW-18 (mg/L)



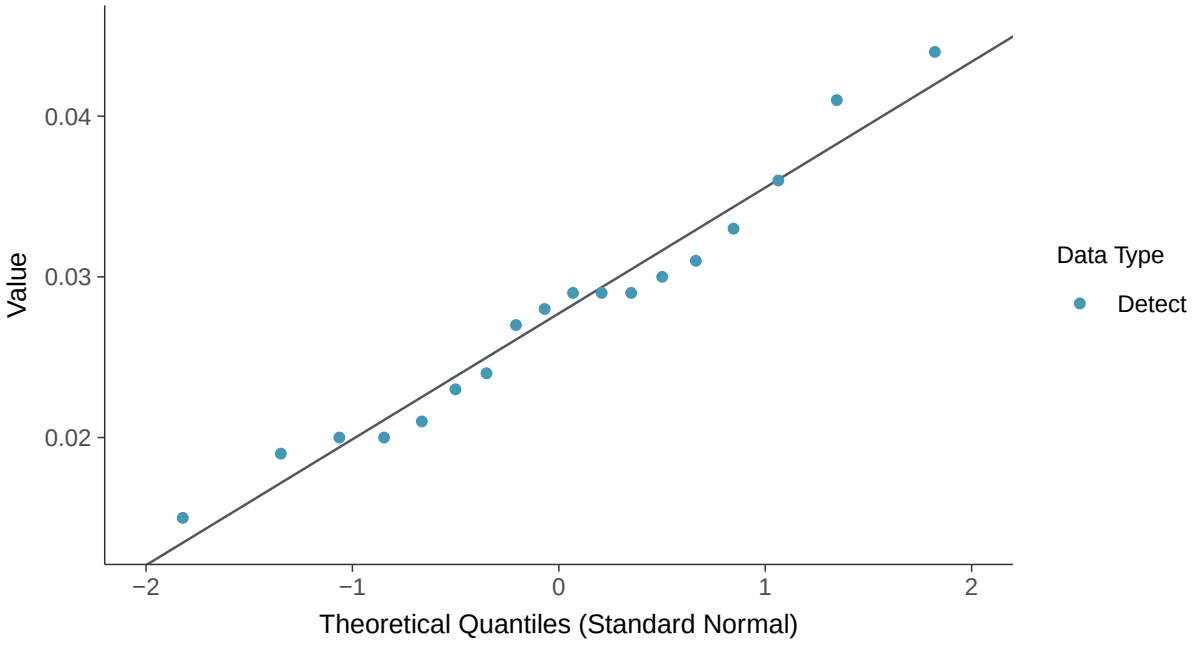
Boxplot by Season

Arsenic, MW-18 (mg/L)



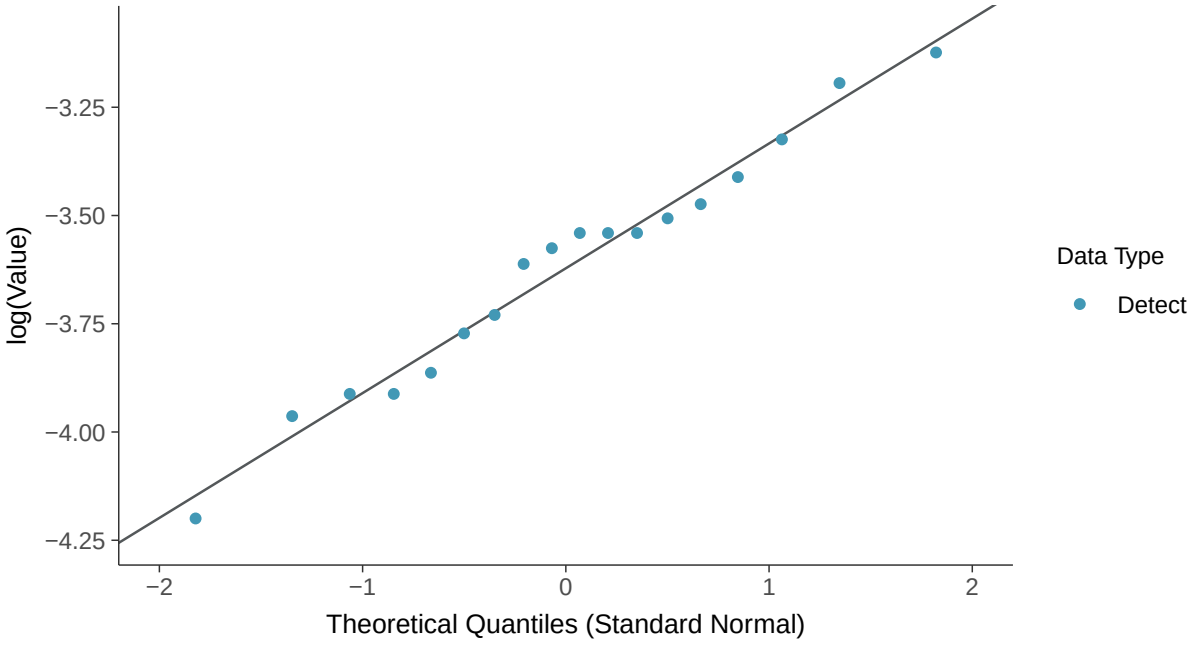
Normal Q-Q plot

Arsenic, MW-18 (mg/L)



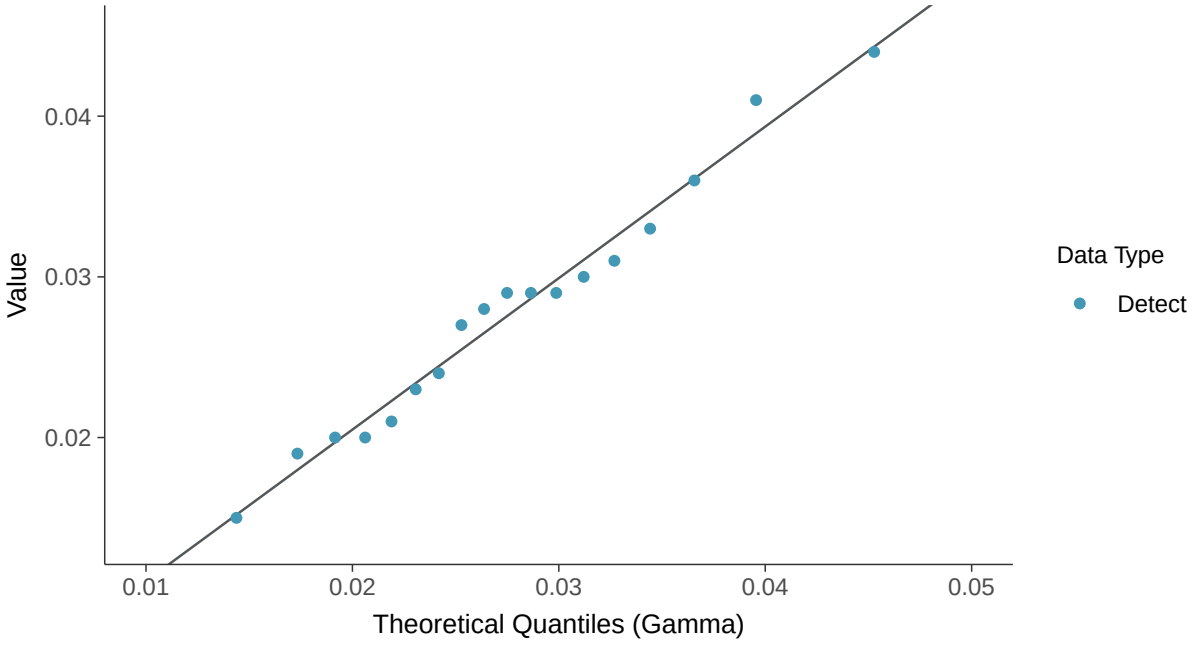
Lognormal Q-Q plot

Arsenic, MW-18 (mg/L)



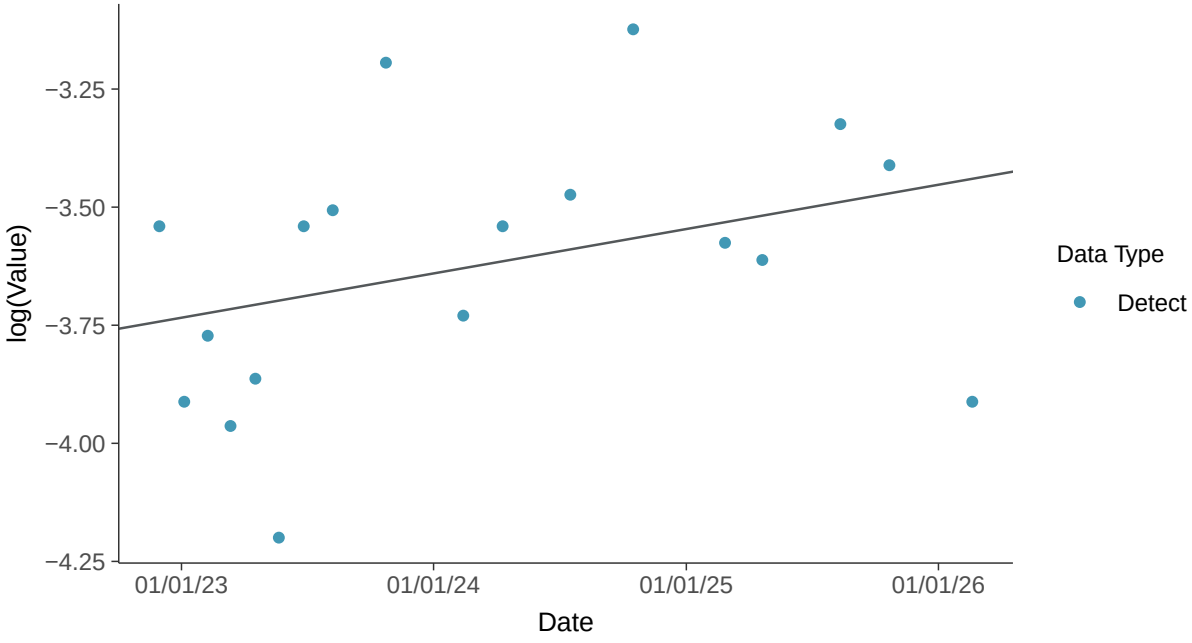
Gamma Q-Q plot

Arsenic, MW-18 (mg/L)



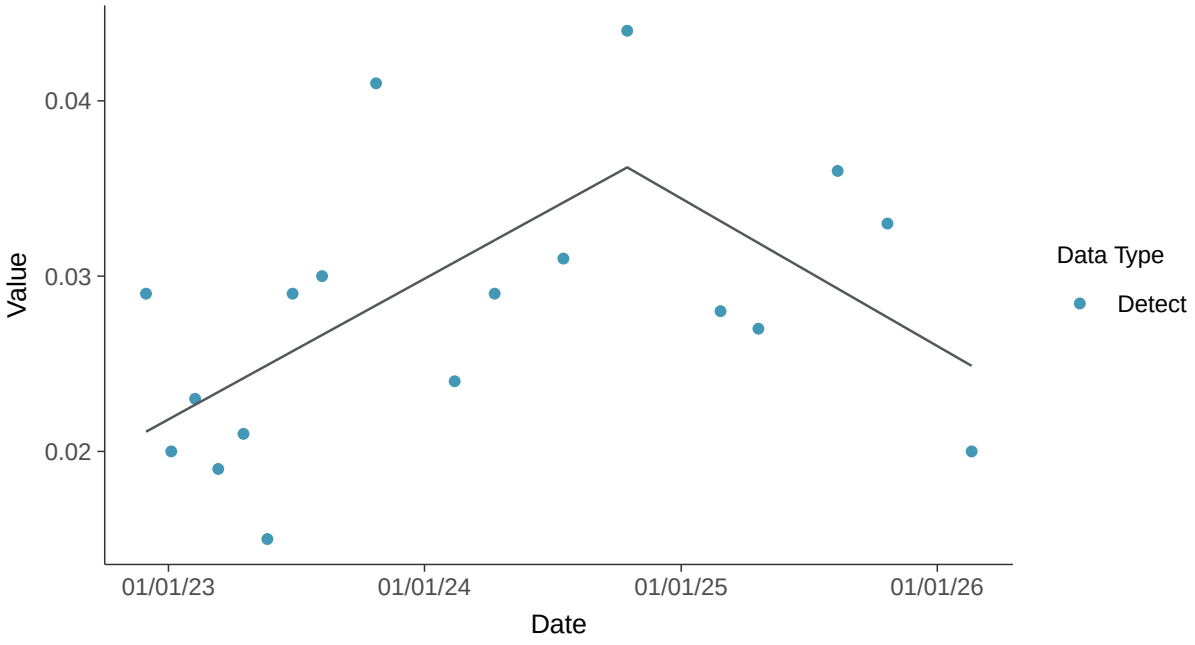
Trend Regression: Lognormal MLE

Arsenic, MW-18 (mg/L)



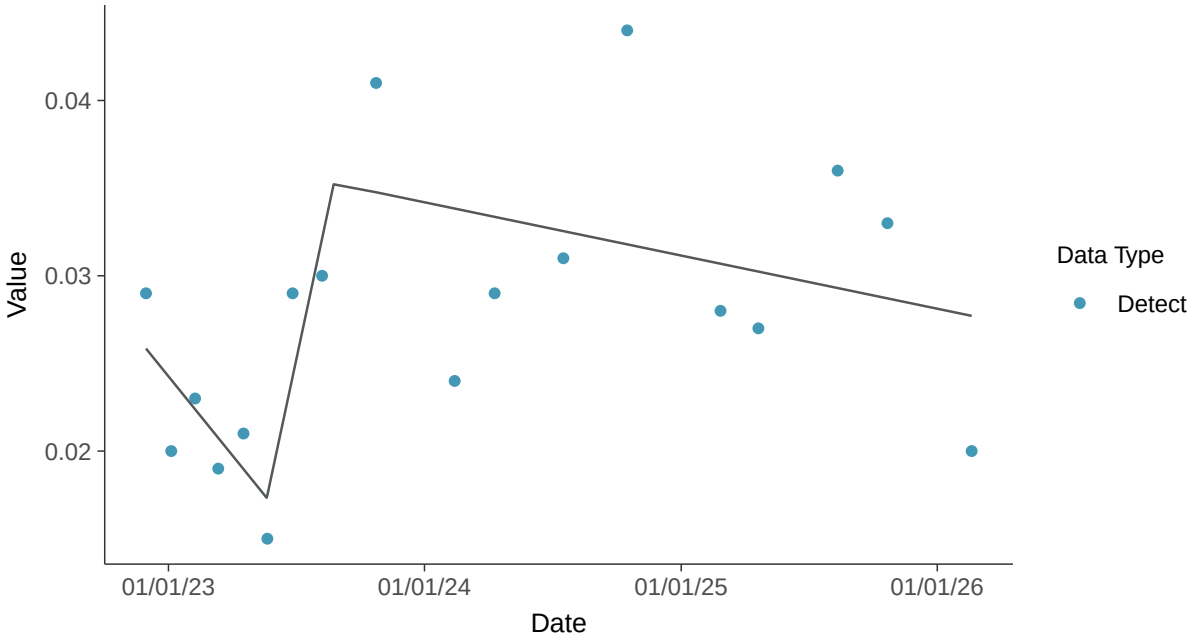
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-18 (mg/L)



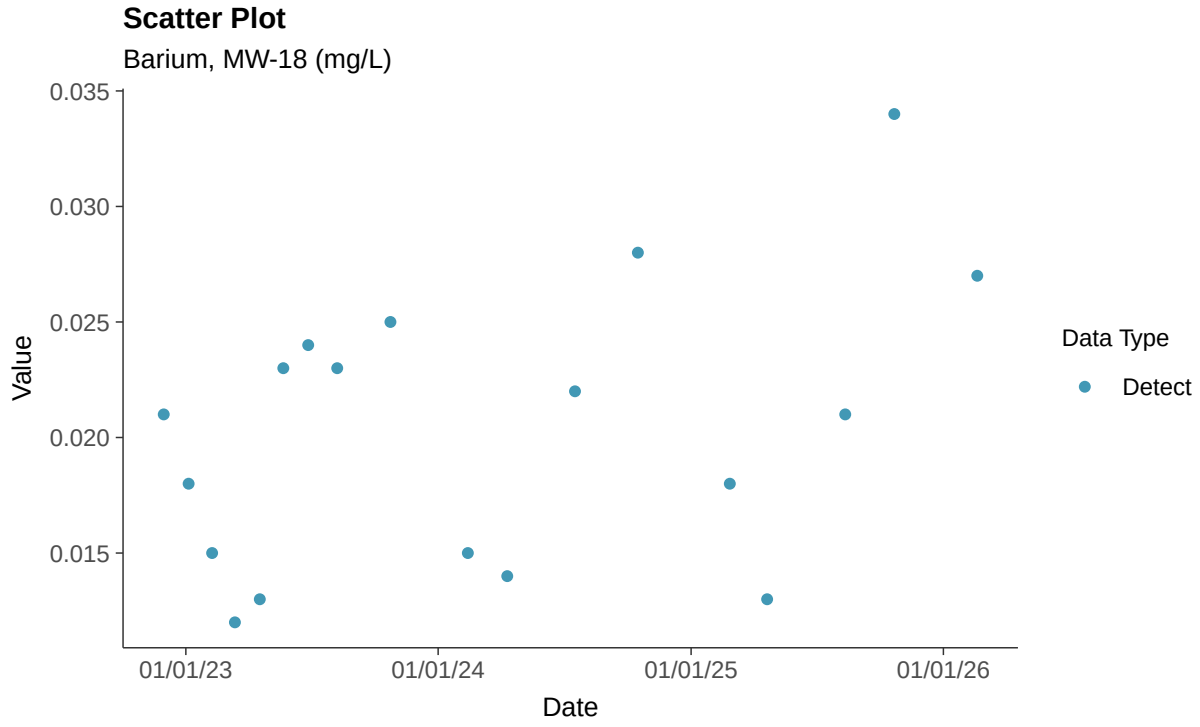
Trend Regression: Piecewise Linear-Linear-Linear

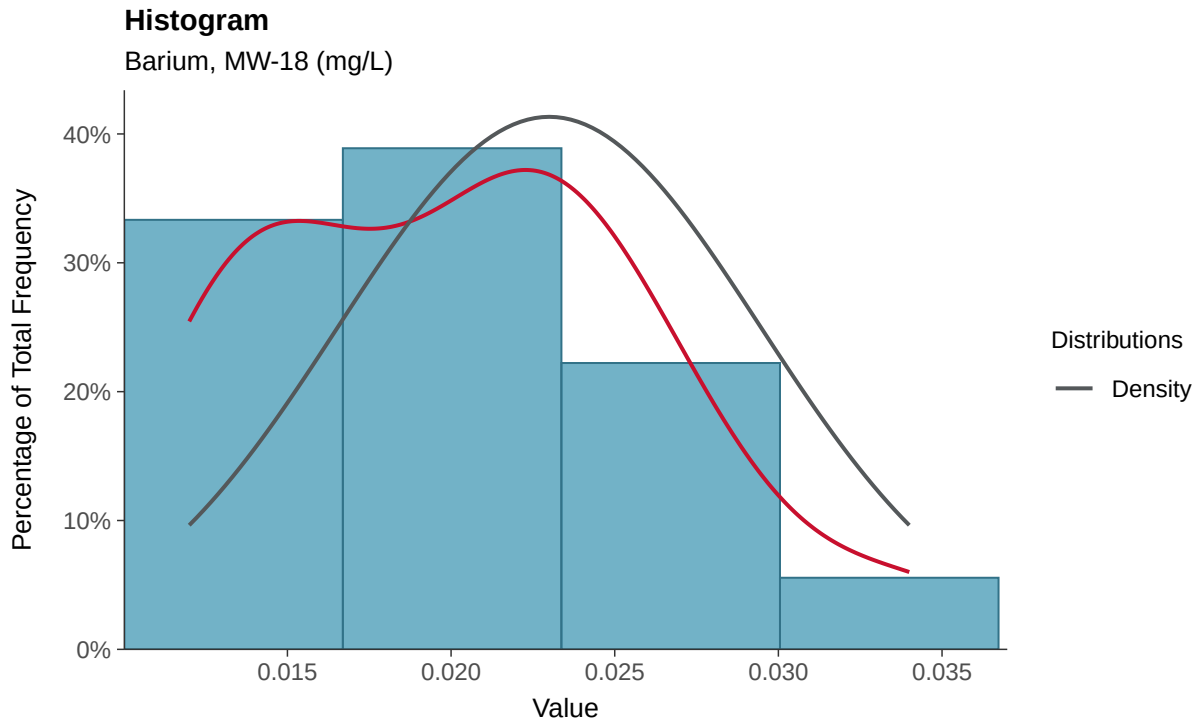
Arsenic, MW-18 (mg/L)



Appendix IV: Barium, MW-18

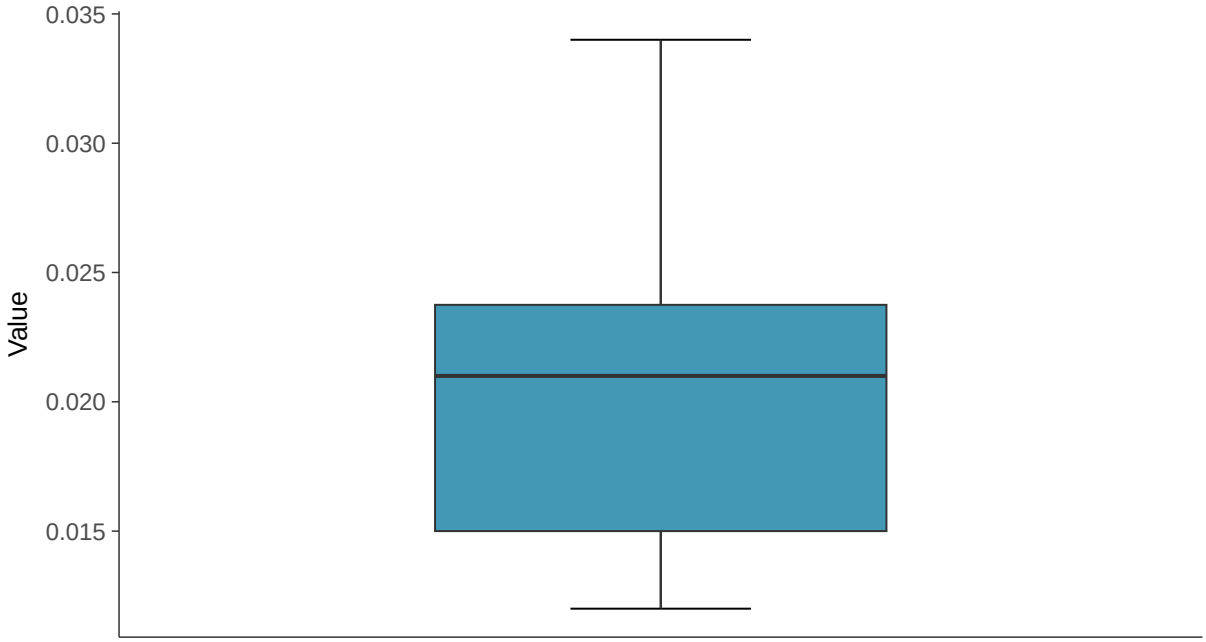
ID: 28_1_4_103





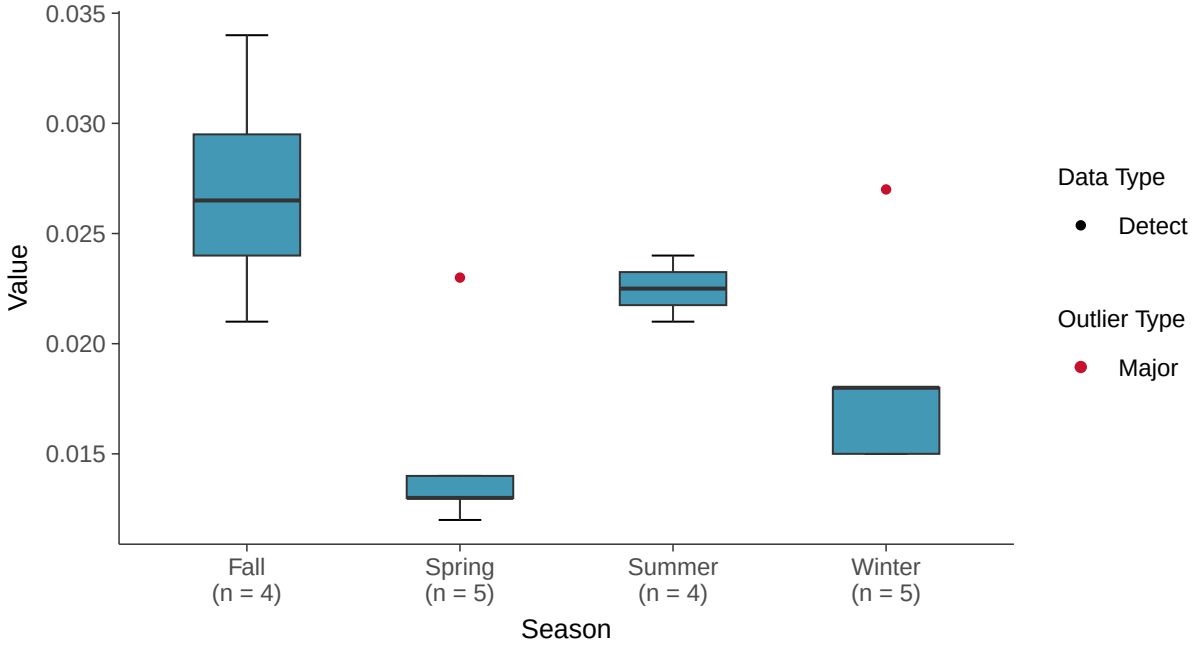
Boxplot

Barium, MW-18 (mg/L)



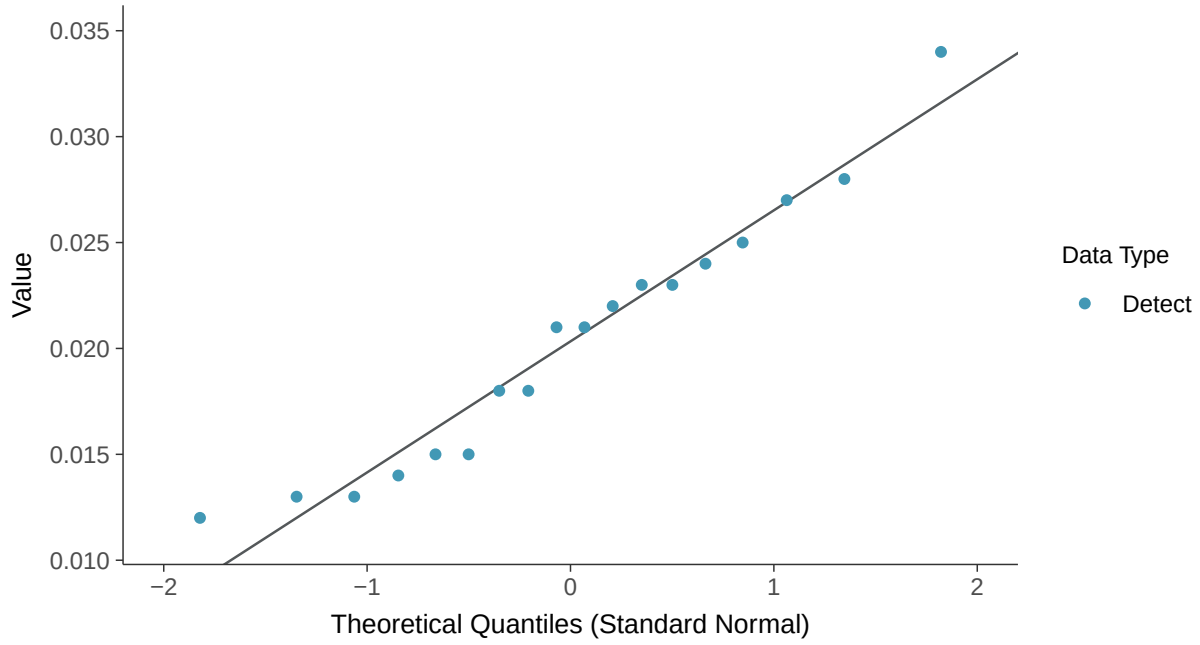
Boxplot by Season

Barium, MW-18 (mg/L)



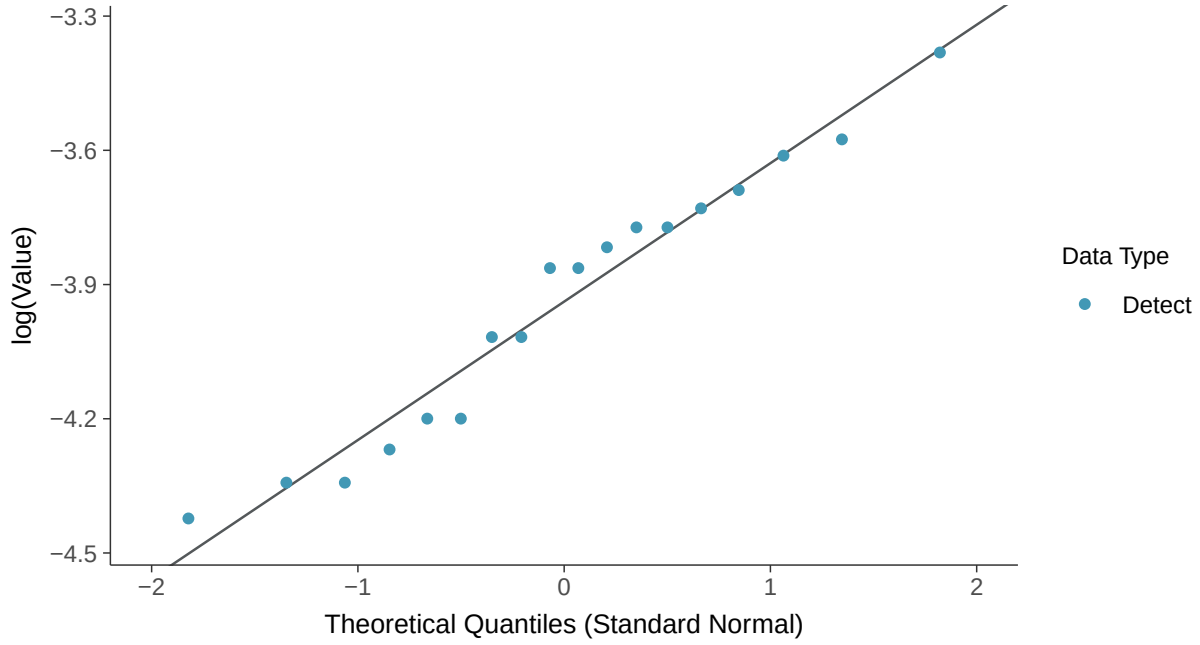
Normal Q-Q plot

Barium, MW-18 (mg/L)



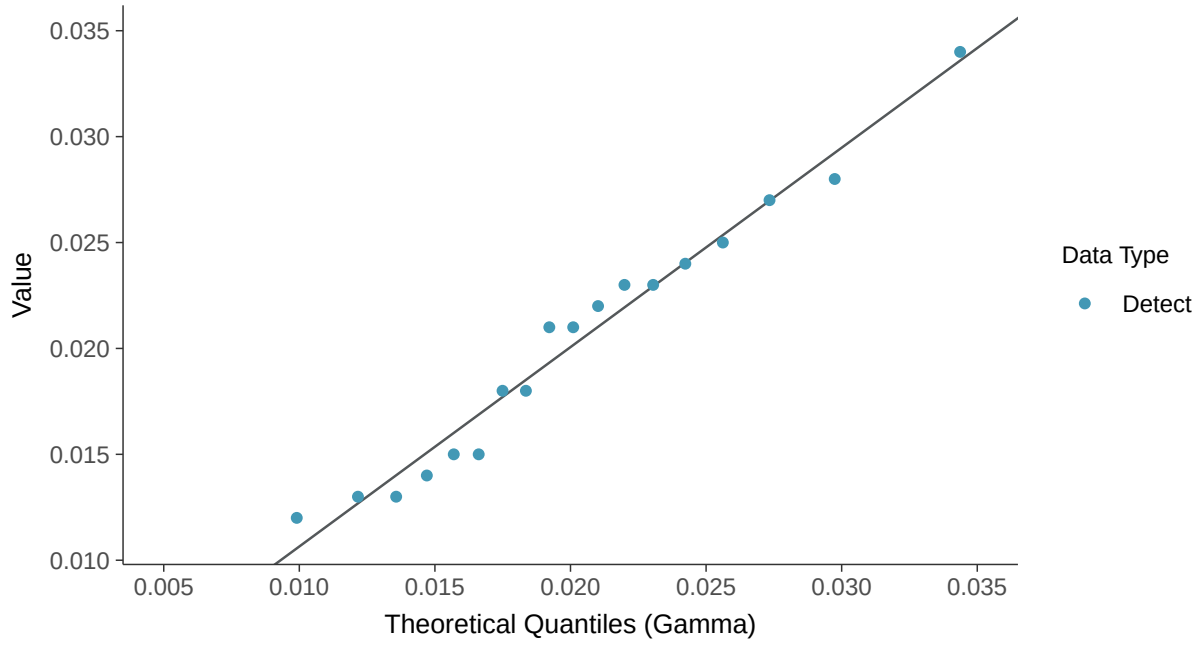
Lognormal Q-Q plot

Barium, MW-18 (mg/L)



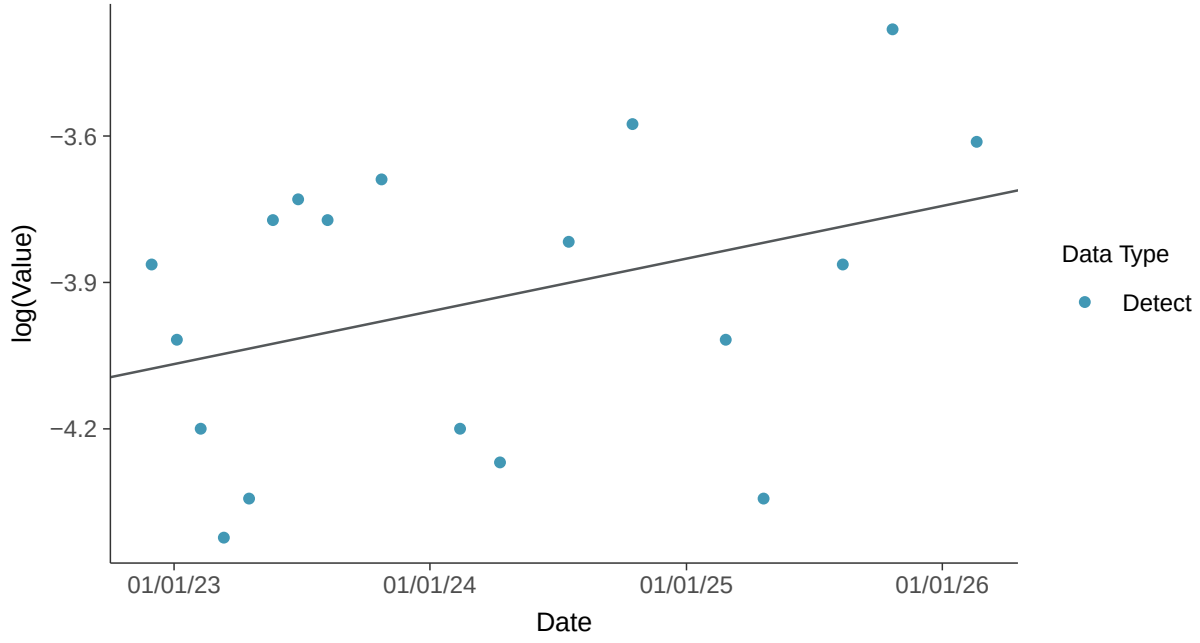
Gamma Q-Q plot

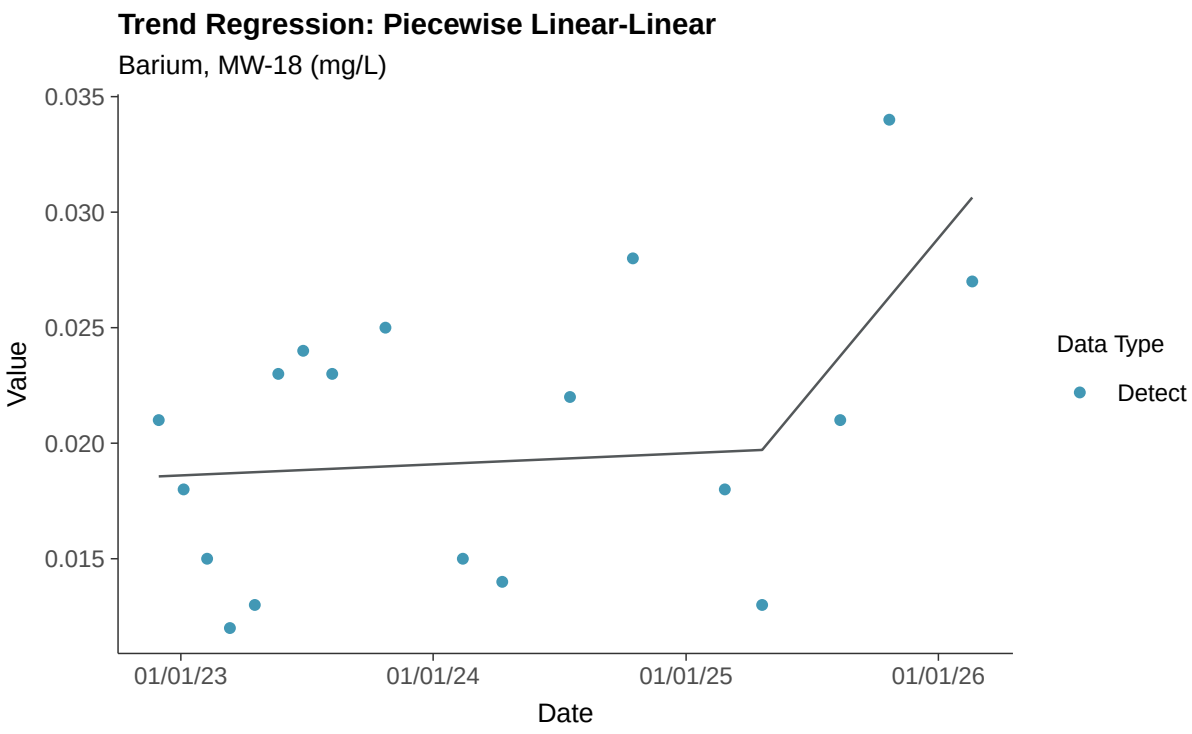
Barium, MW-18 (mg/L)



Trend Regression: Lognormal MLE

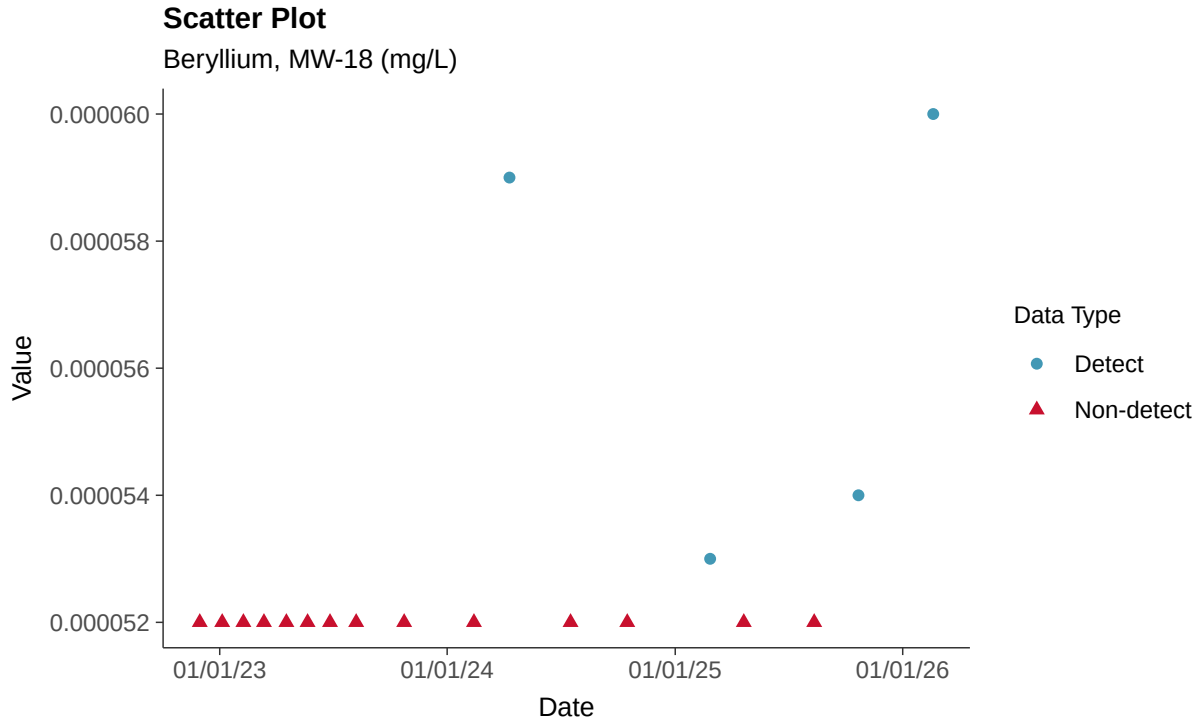
Barium, MW-18 (mg/L)

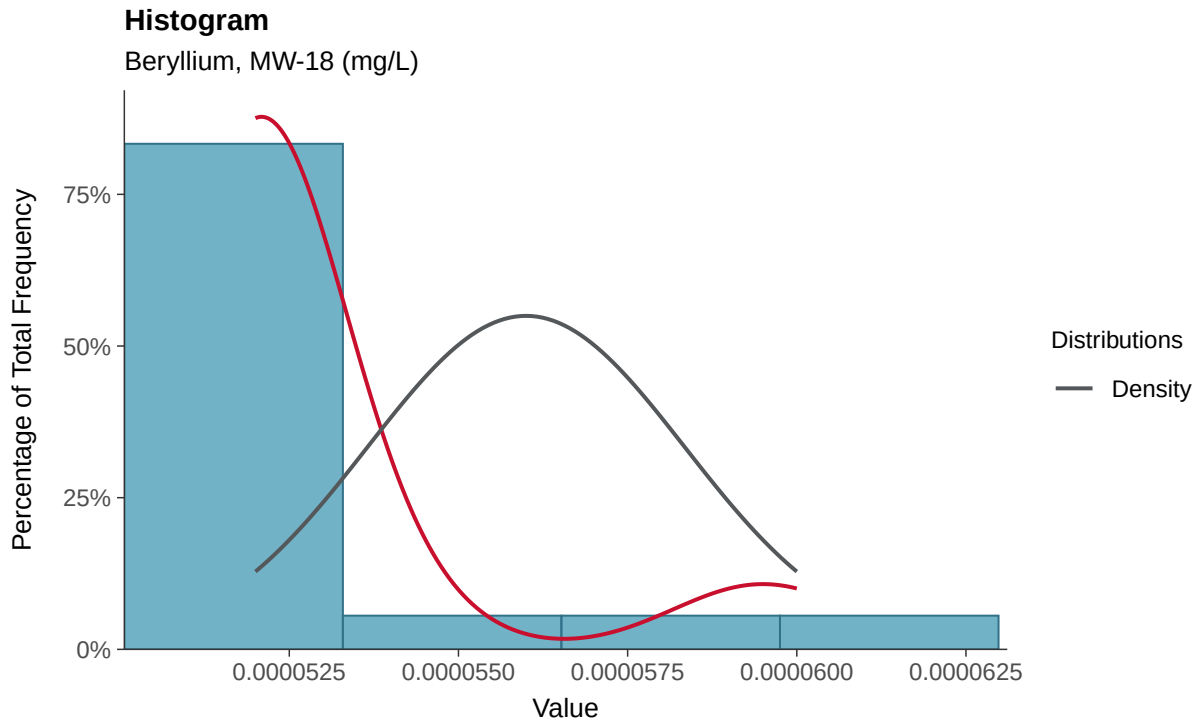



Trend Regression: Piecewise Linear-Linear
Barium, MW-18 (mg/L)
0.035
0.030
0.025
0.020
0.015
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Beryllium, MW-18

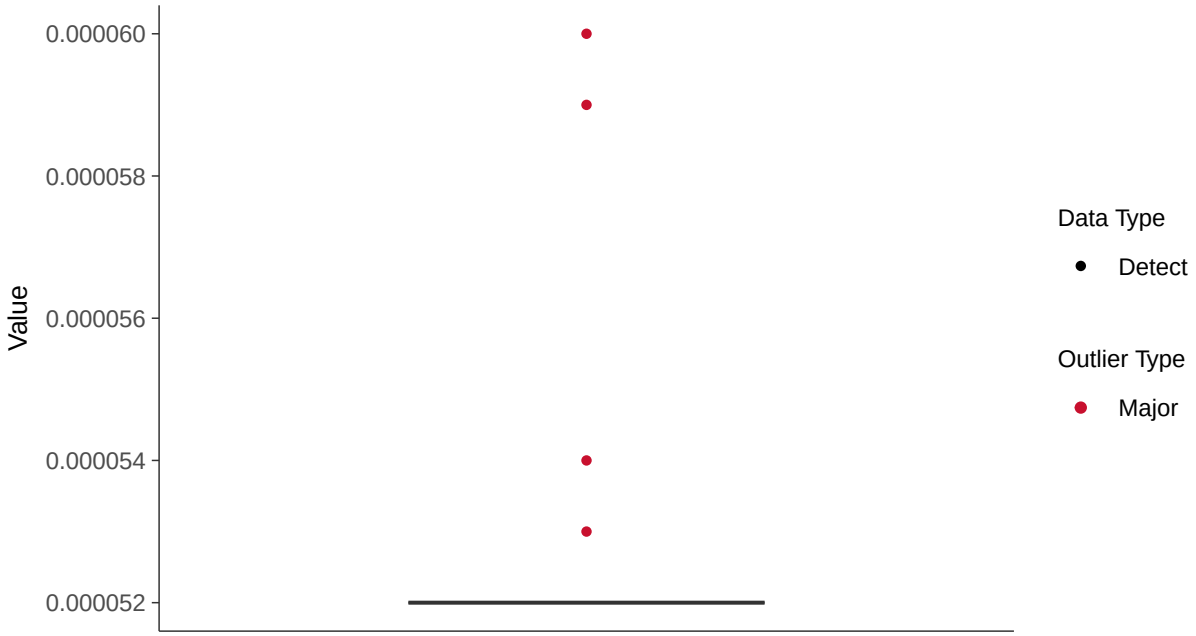
ID: 28_1_4_104





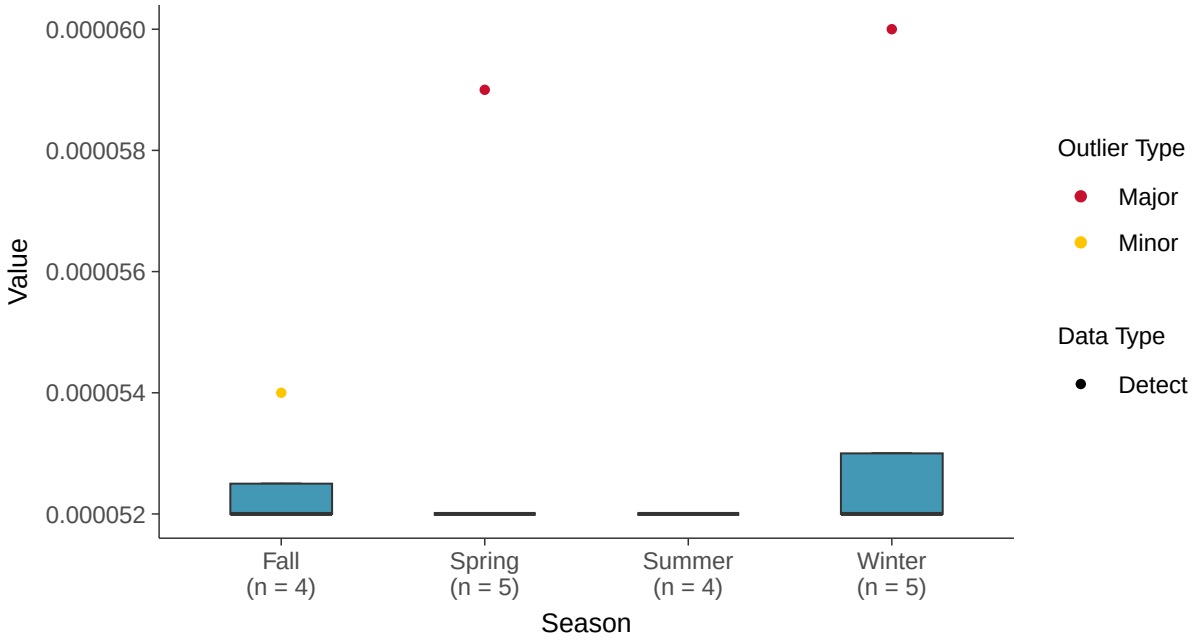
Boxplot

Beryllium, MW-18 (mg/L)



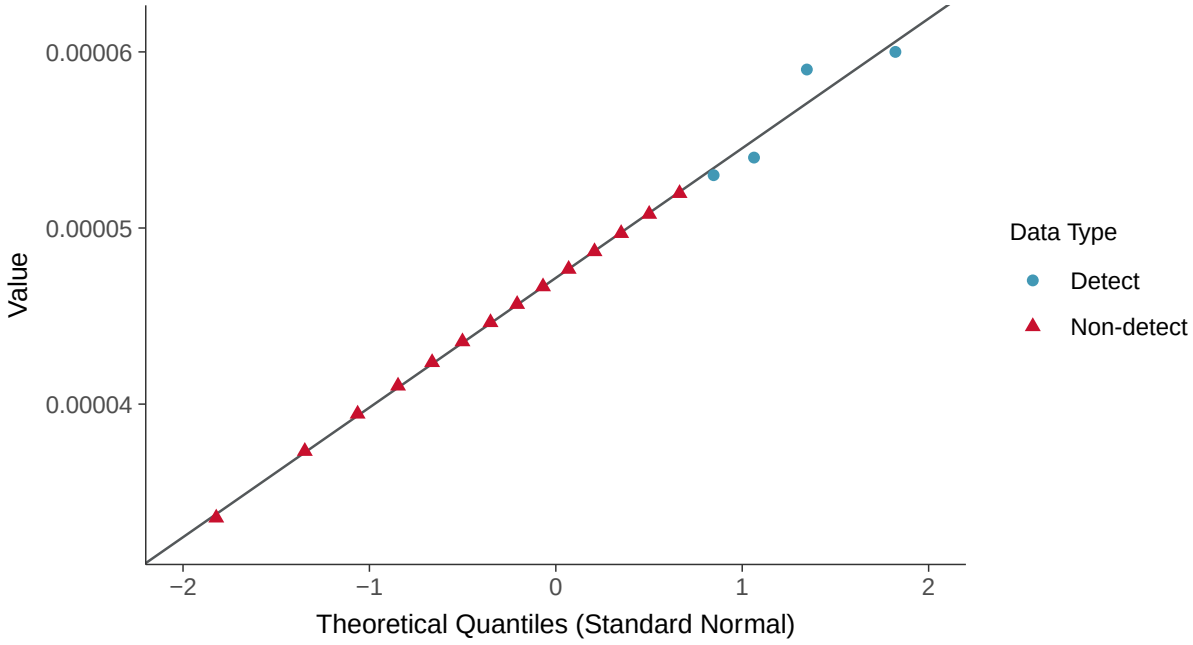
Boxplot by Season

Beryllium, MW-18 (mg/L)



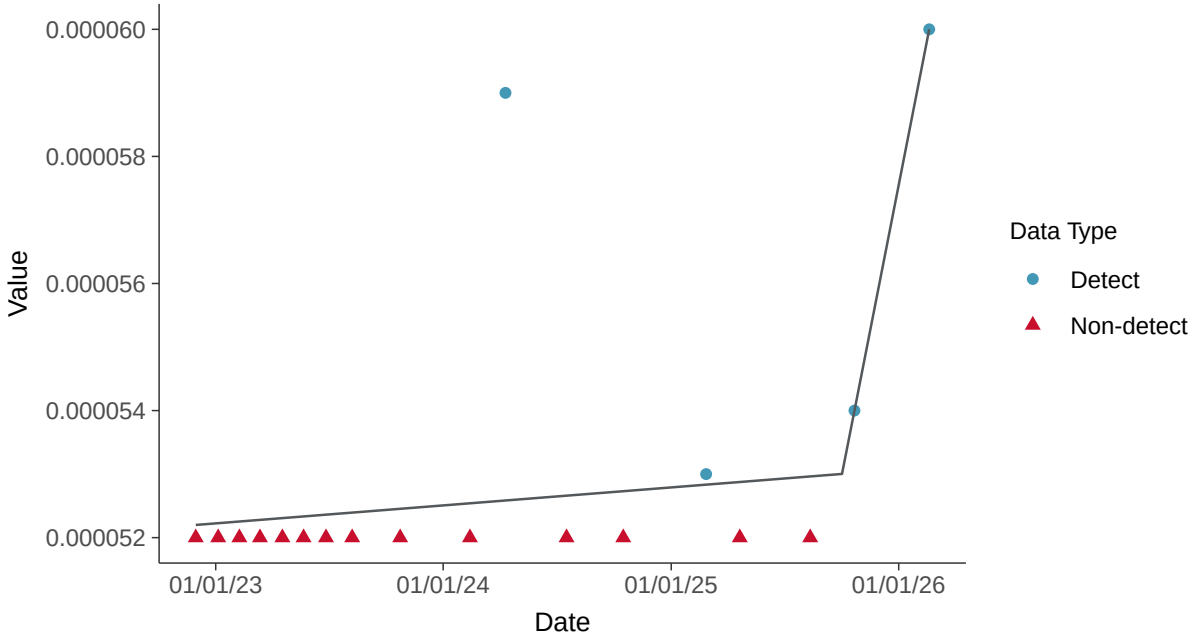
Normal Q-Q plot using ROS Imputed Estimates

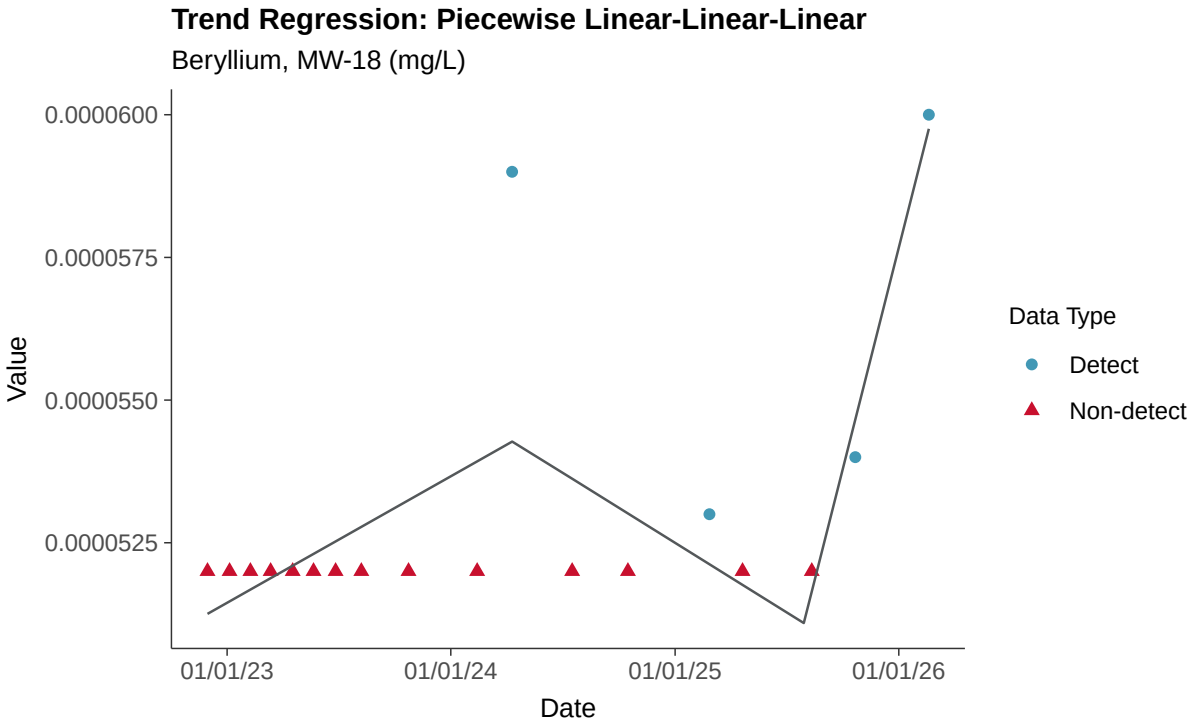
Beryllium, MW-18 (mg/L)



Trend Regression: Piecewise Linear-Linear

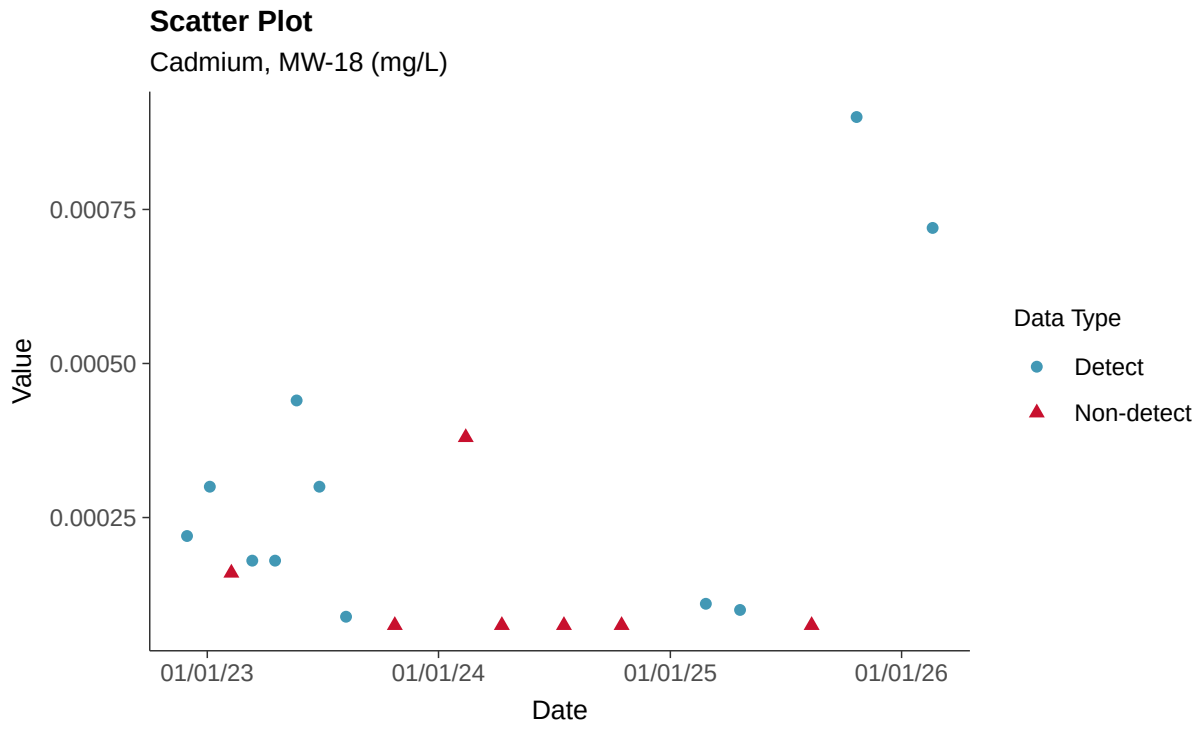
Beryllium, MW-18 (mg/L)

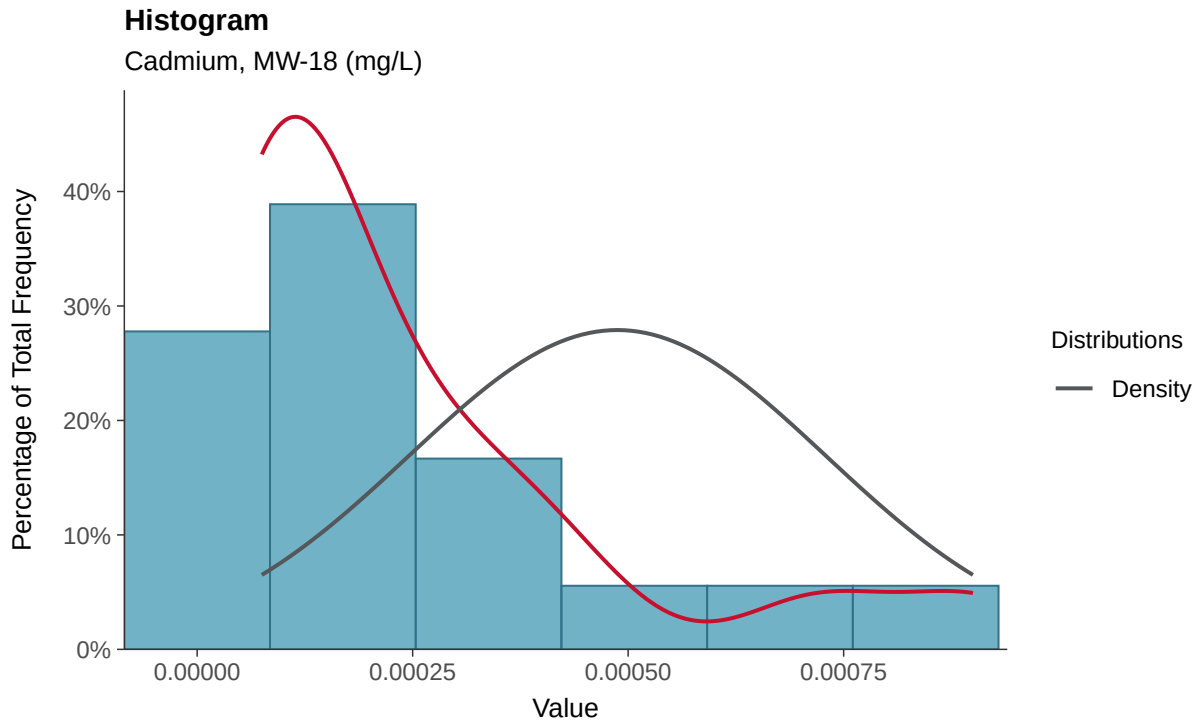



Trend Regression: Piecewise Linear-Linear-Linear
Beryllium, MW-18 (mg/L)
0.0000600
0.0000575
0.0000550
0.0000525
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Cadmium, MW-18

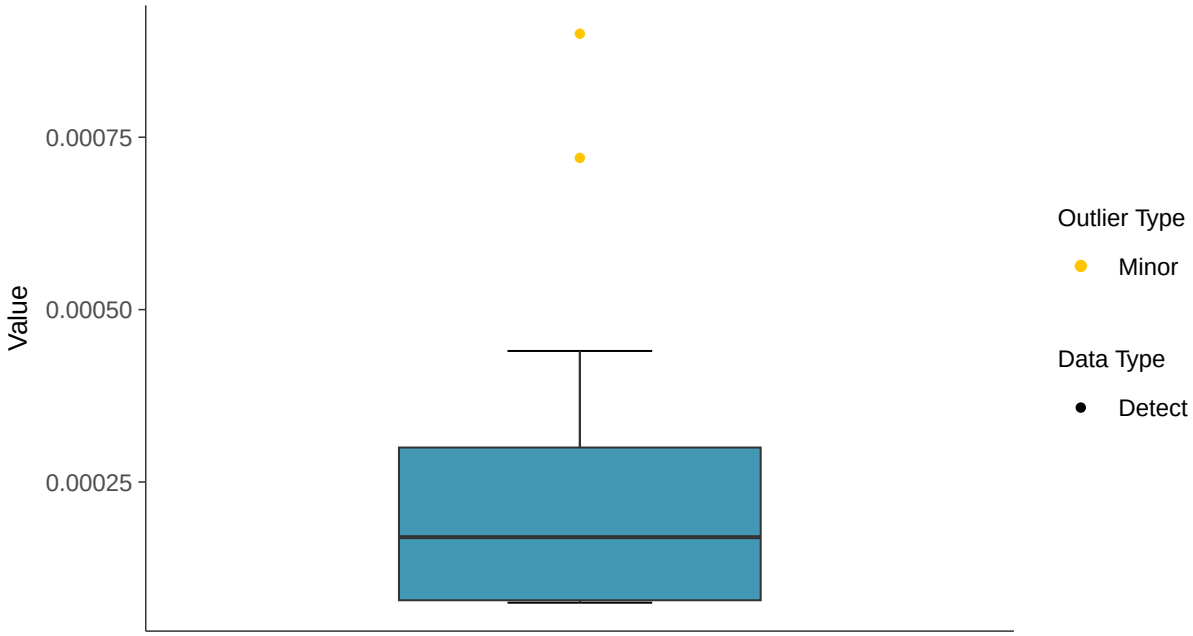
ID: 28_1_4_106





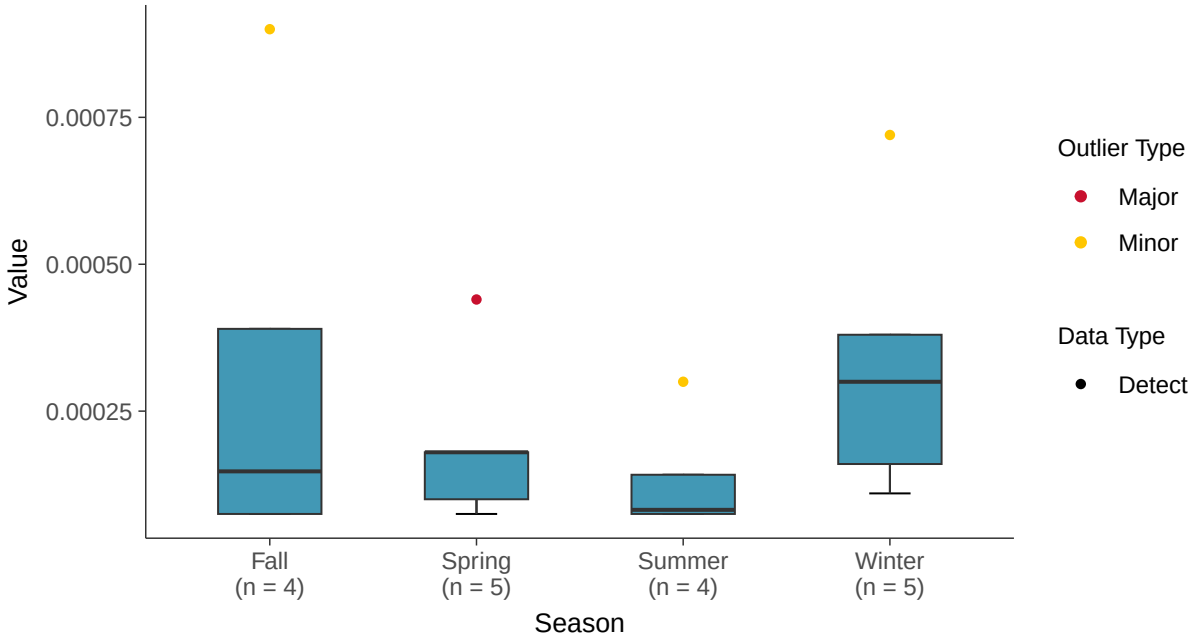
Boxplot

Cadmium, MW-18 (mg/L)



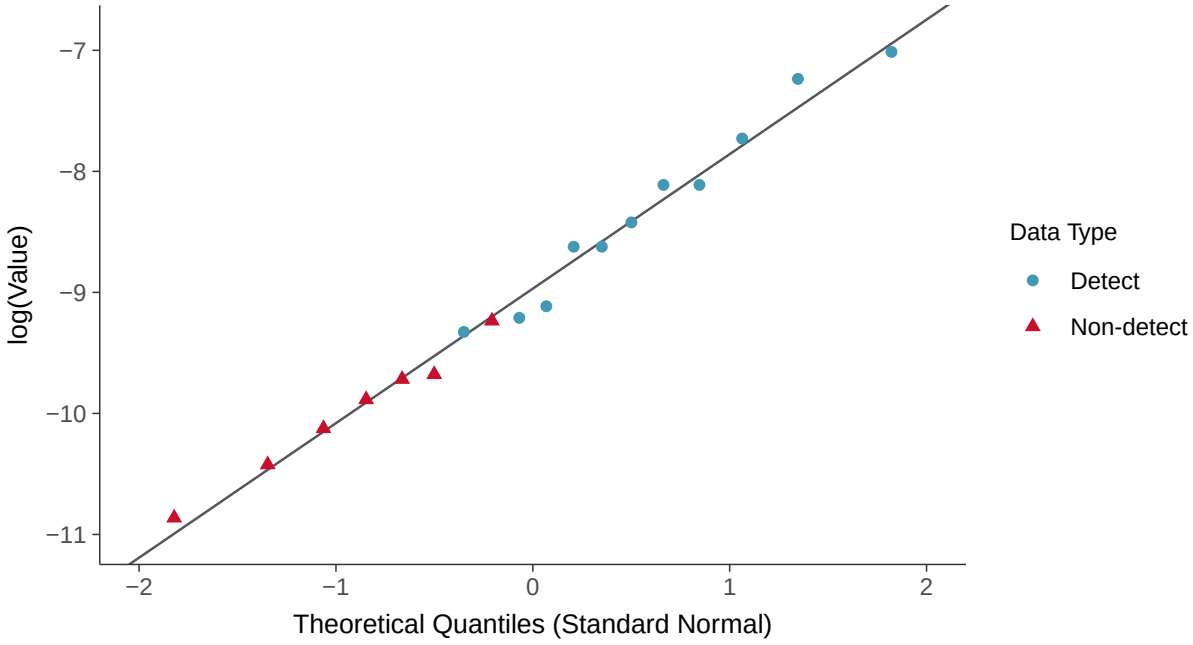
Boxplot by Season

Cadmium, MW-18 (mg/L)



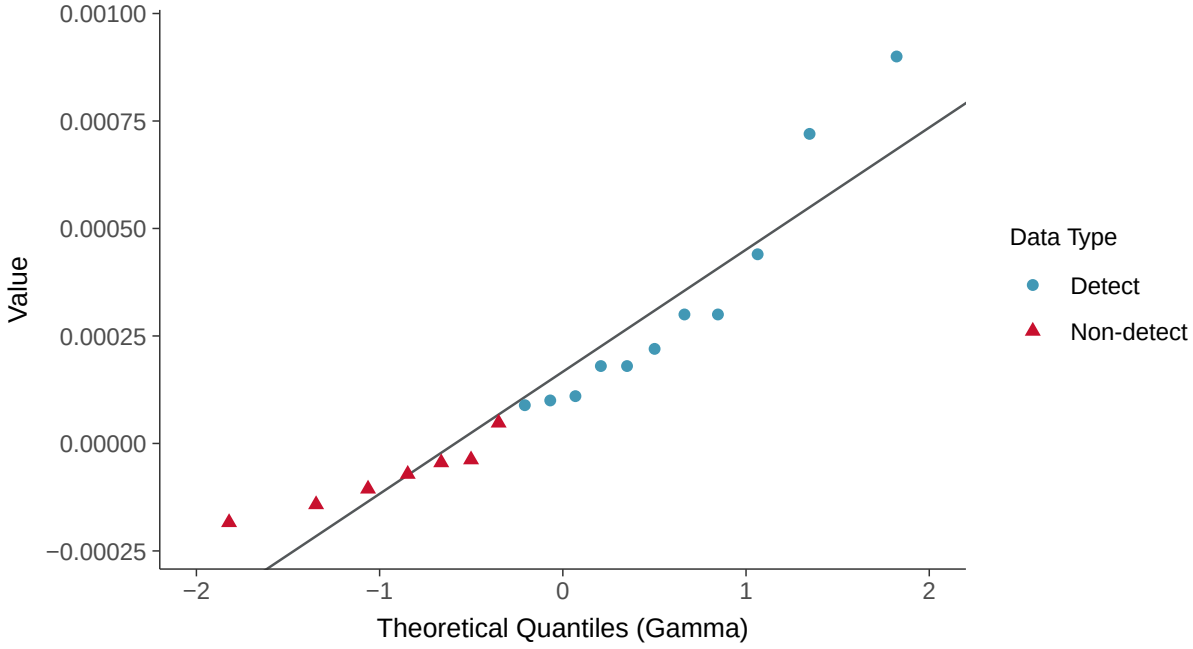
Lognormal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-18 (mg/L)



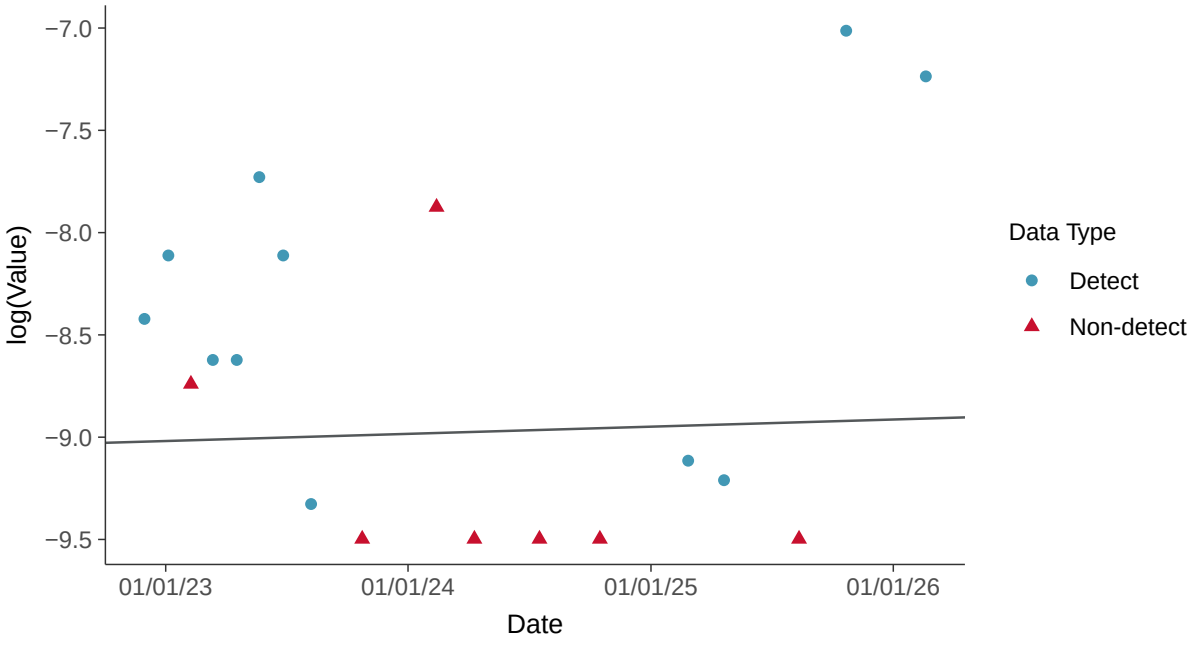
Gamma Q-Q plot using ROS Imputed Estimates

Cadmium, MW-18 (mg/L)



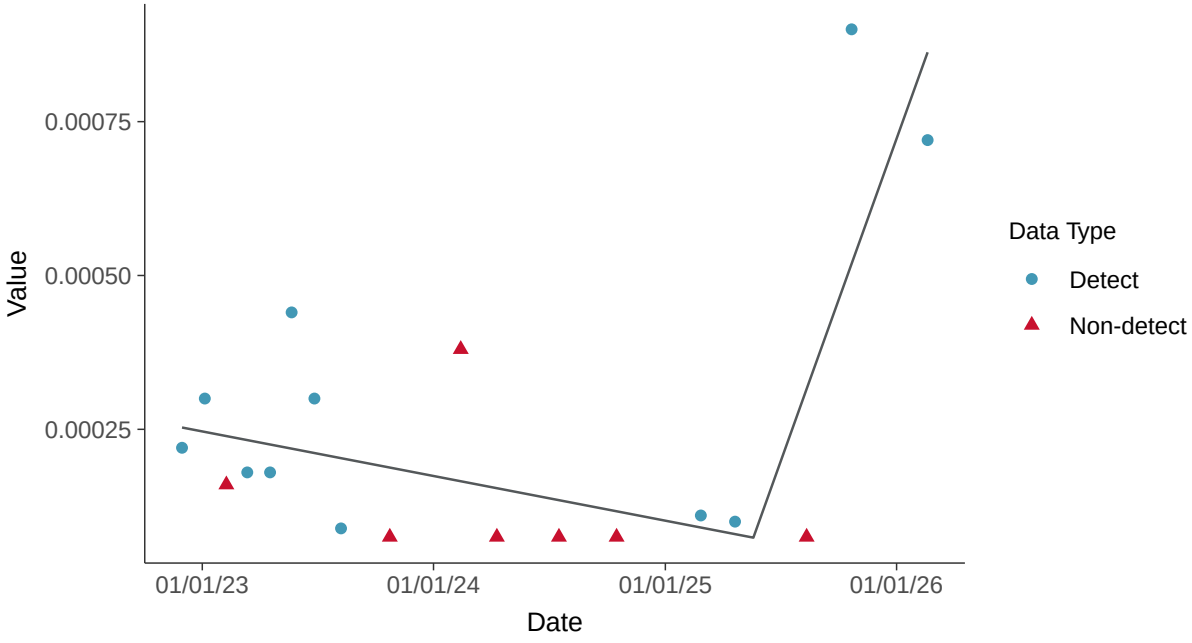
Trend Regression: Lognormal MLE

Cadmium, MW-18 (mg/L)



Trend Regression: Piecewise Linear-Linear

Cadmium, MW-18 (mg/L)

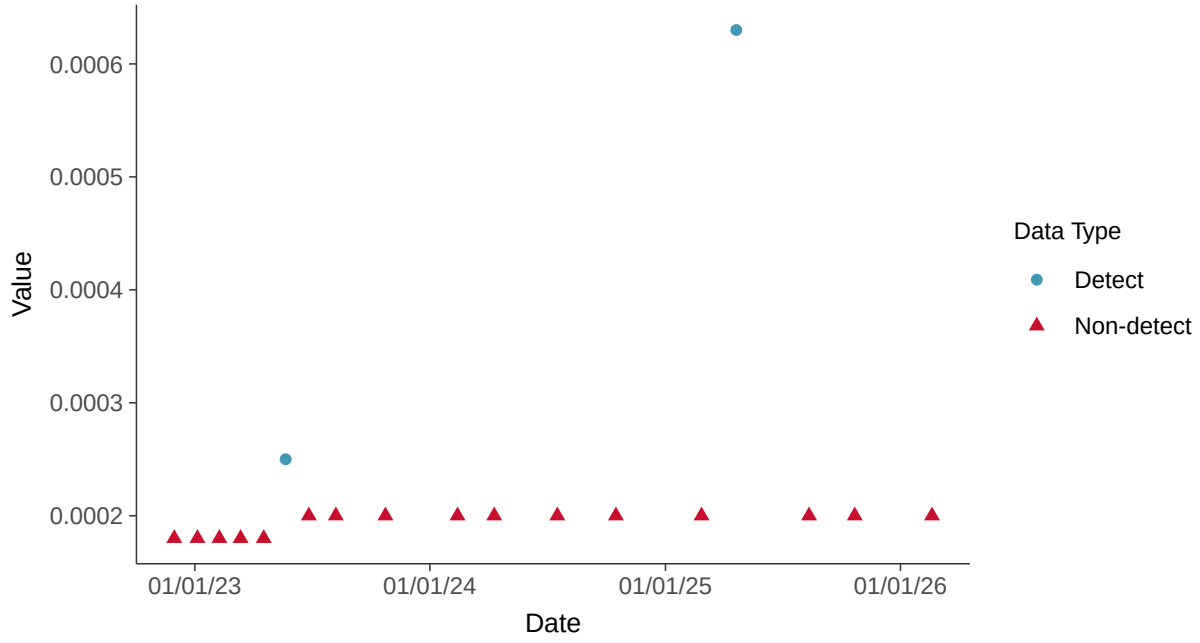


Appendix IV: Chromium, Total, MW-18

ID: 28_1_4_109

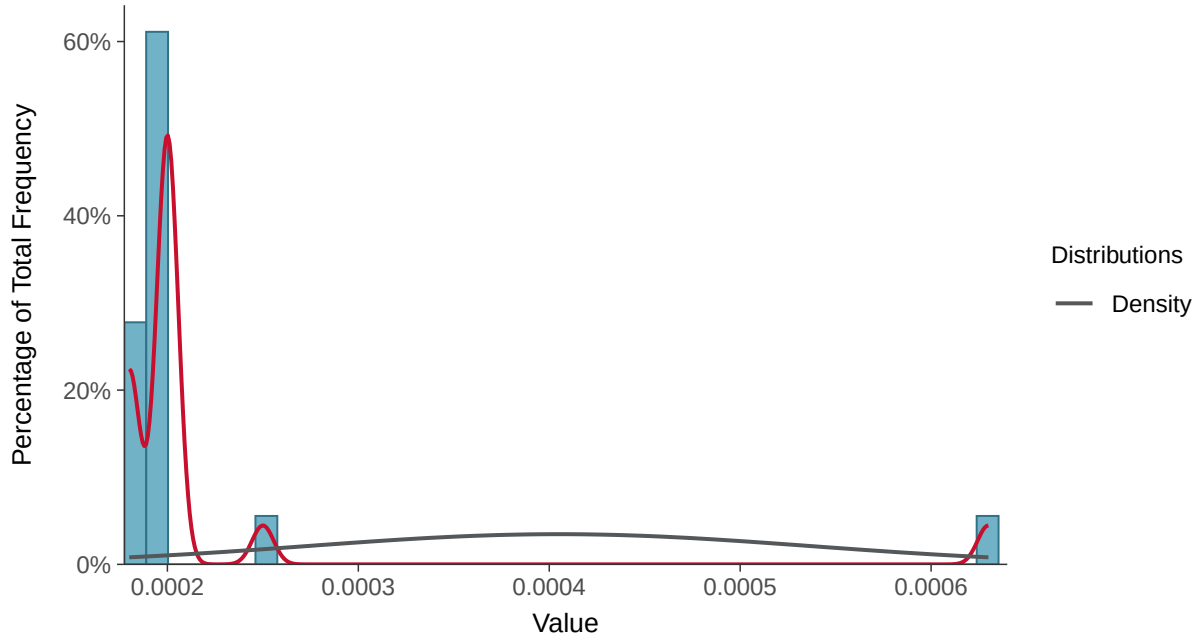
Scatter Plot

Chromium, Total, MW-18 (mg/L)



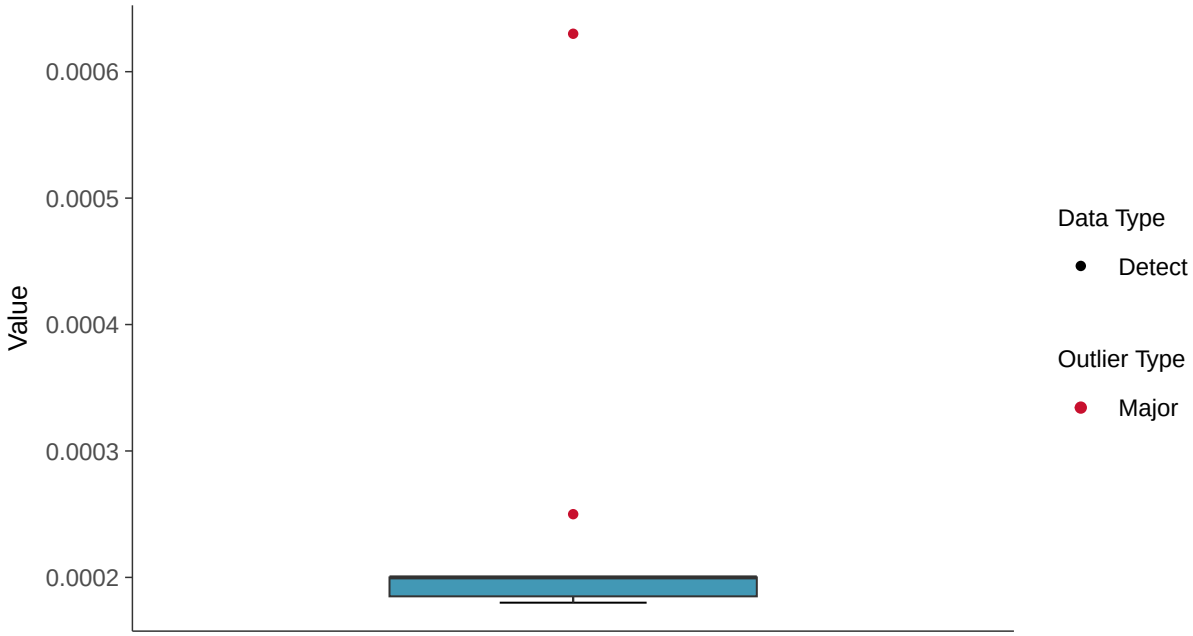
Histogram

Chromium, Total, MW-18 (mg/L)



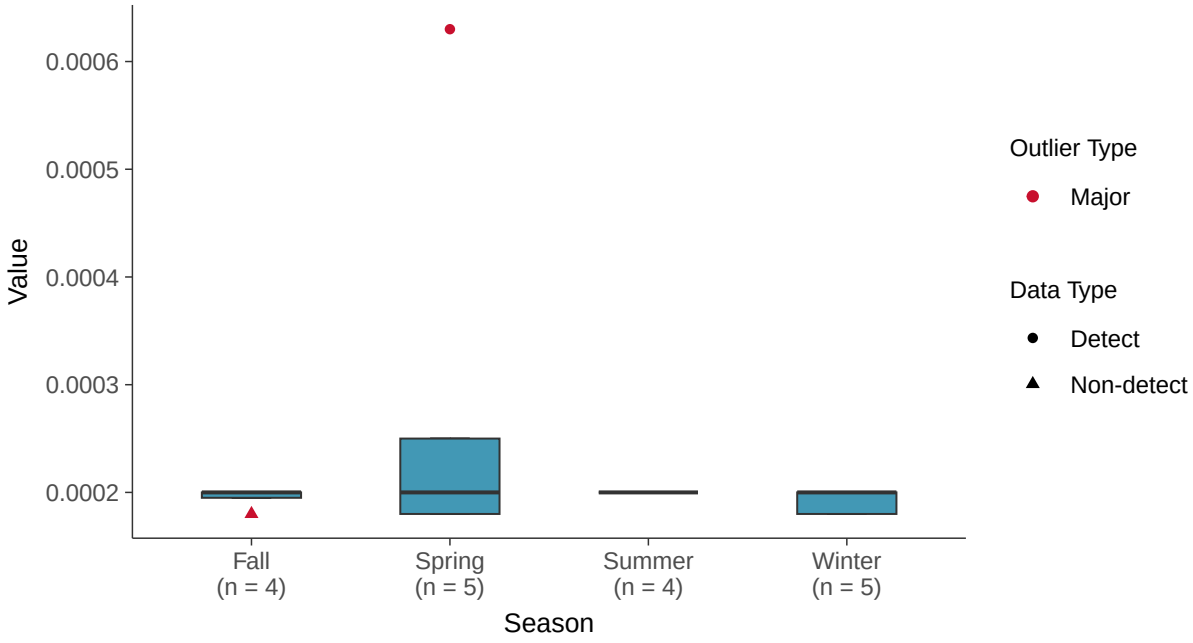
Boxplot

Chromium, Total, MW-18 (mg/L)



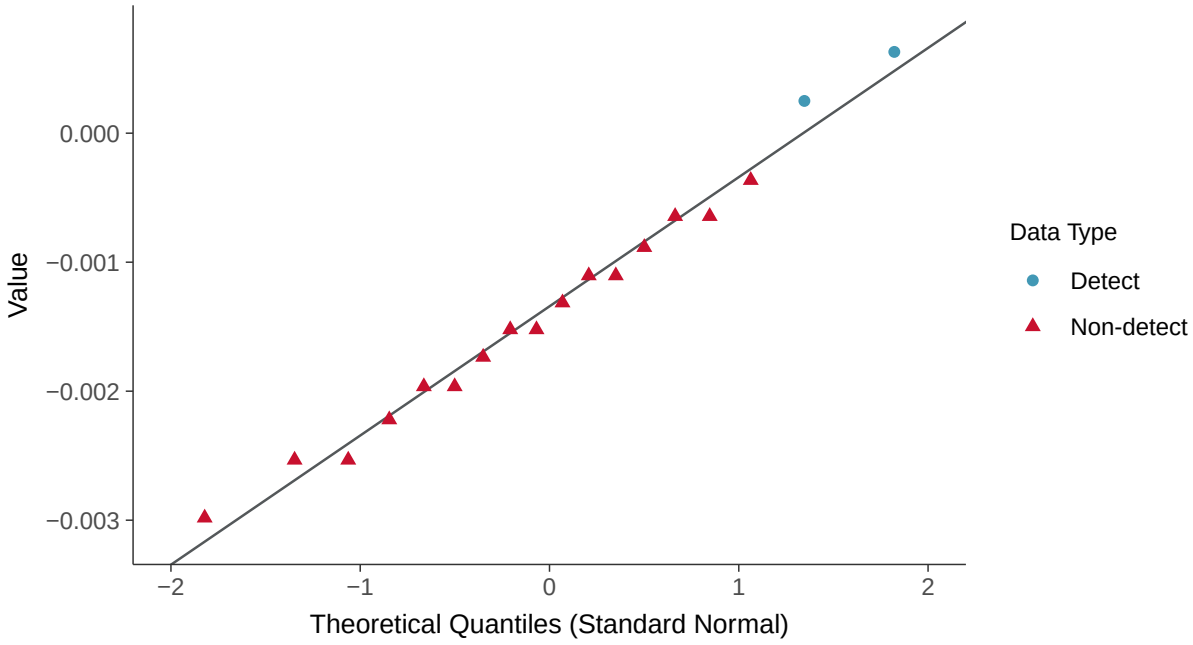
Boxplot by Season

Chromium, Total, MW-18 (mg/L)



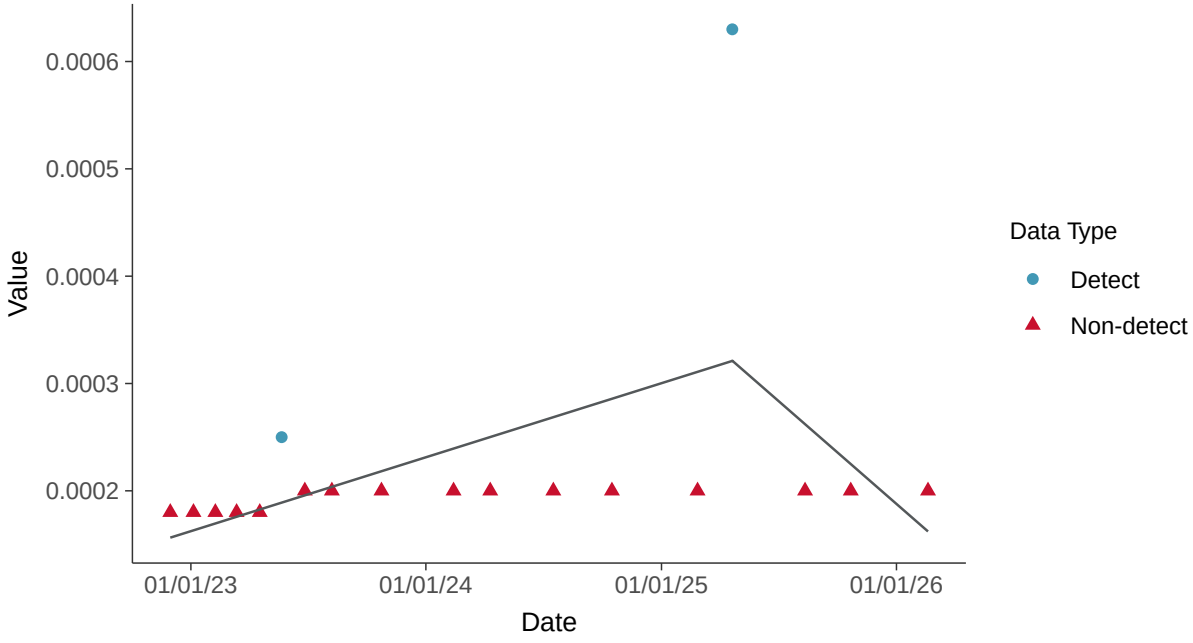
Normal Q-Q plot using ROS Imputed Estimates

Chromium, Total, MW-18 (mg/L)



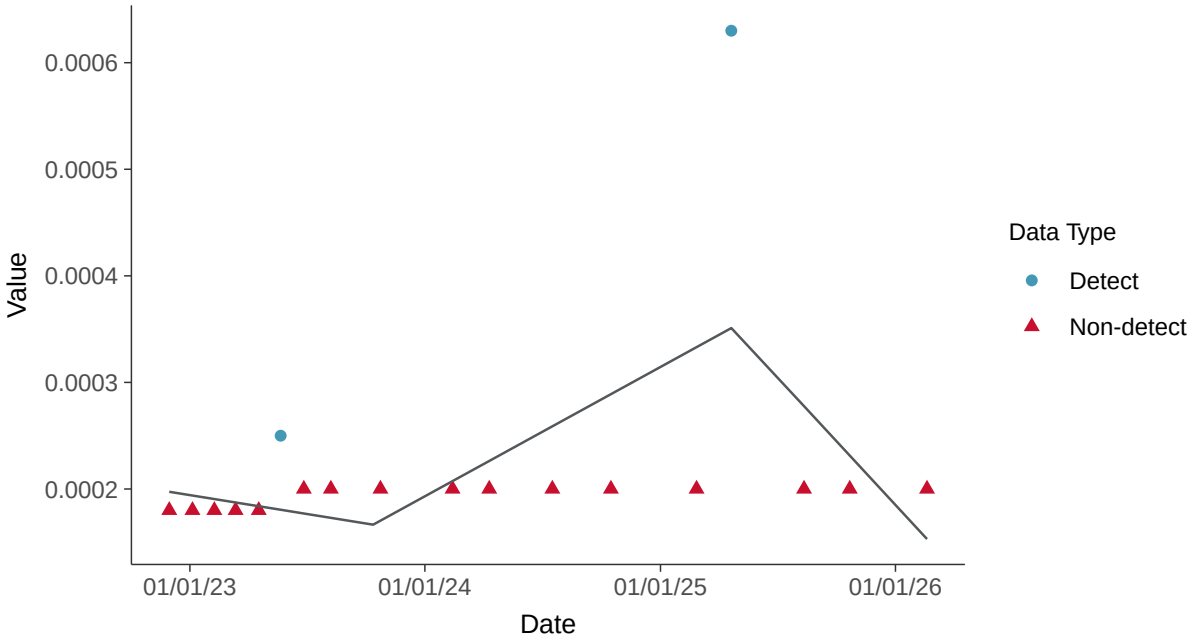
Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-18 (mg/L)



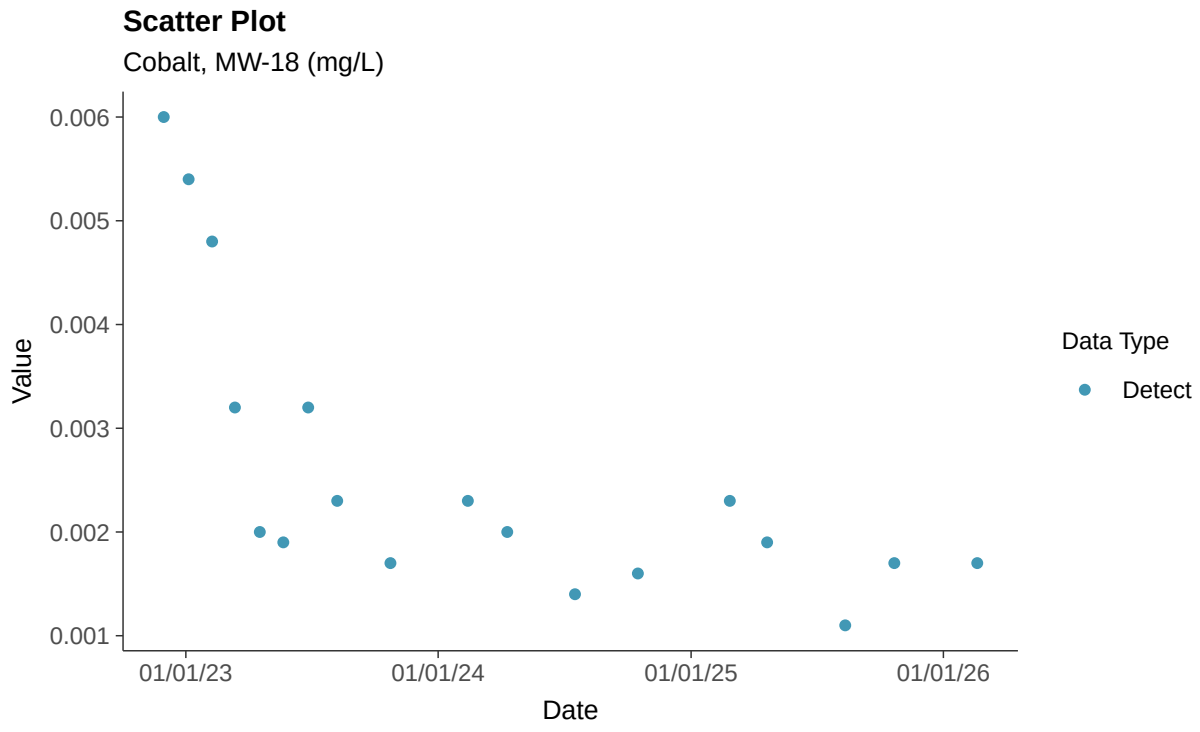
Trend Regression: Piecewise Linear-Linear-Linear

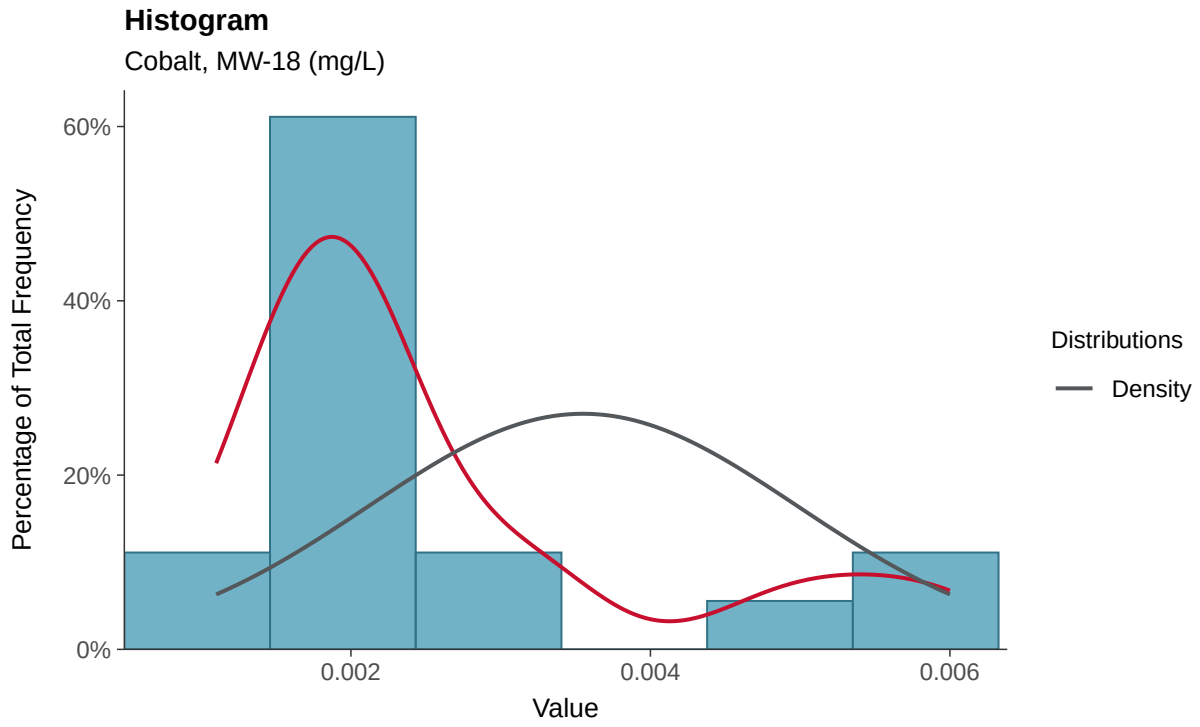
Chromium, Total, MW-18 (mg/L)



Appendix IV: Cobalt, MW-18

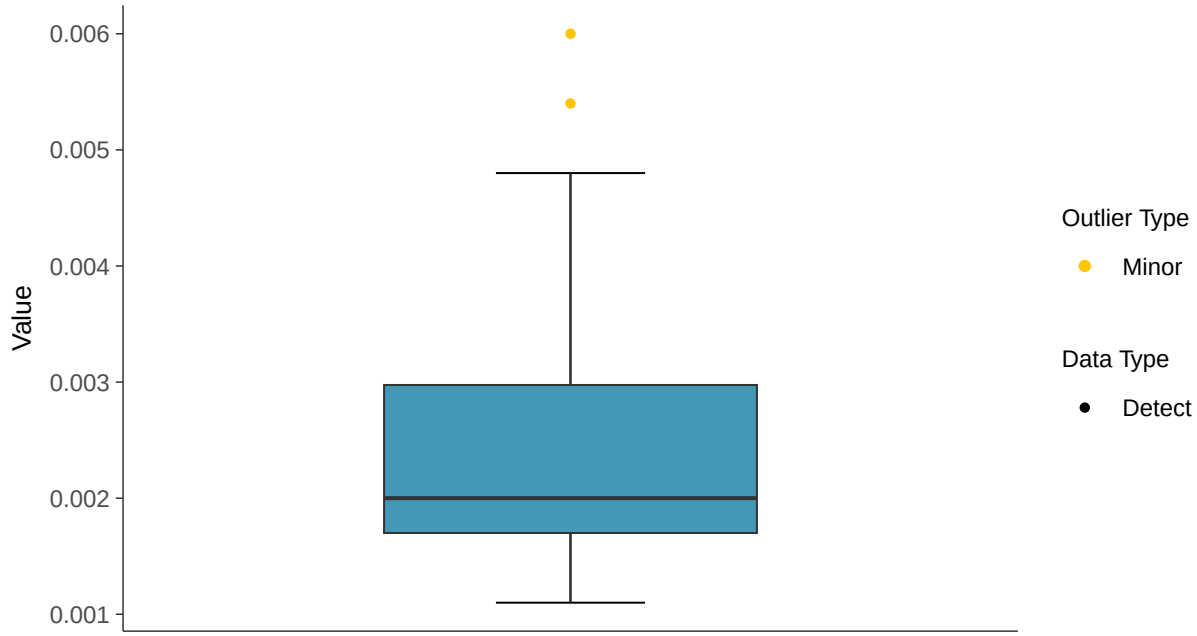
ID: 28_1_4_110





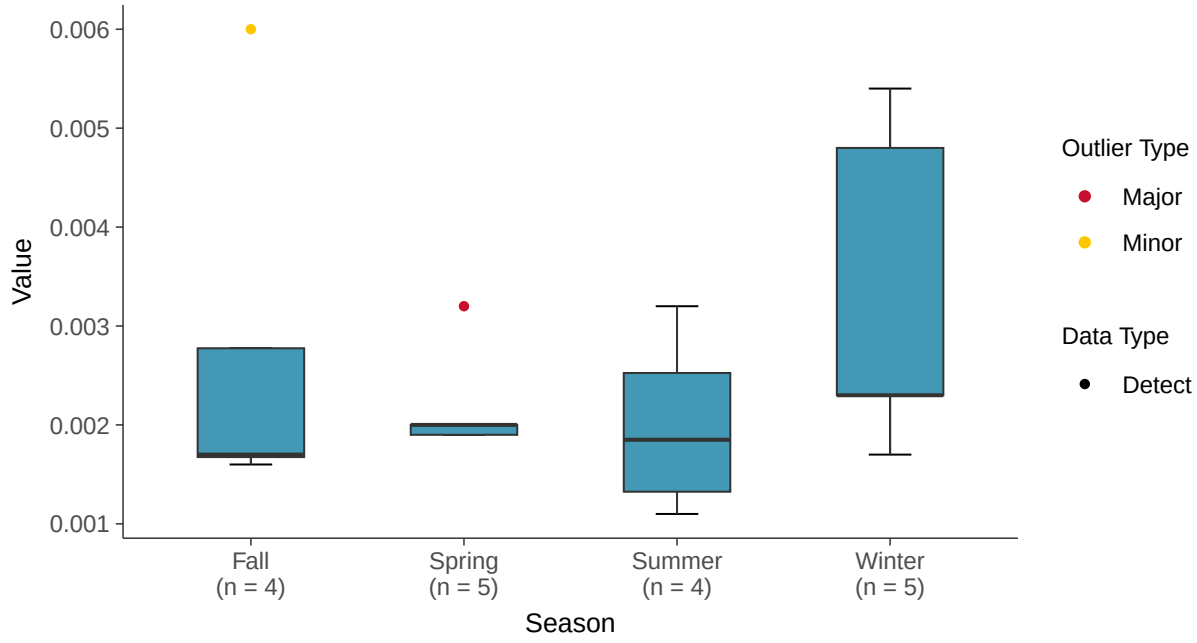
Boxplot

Cobalt, MW-18 (mg/L)



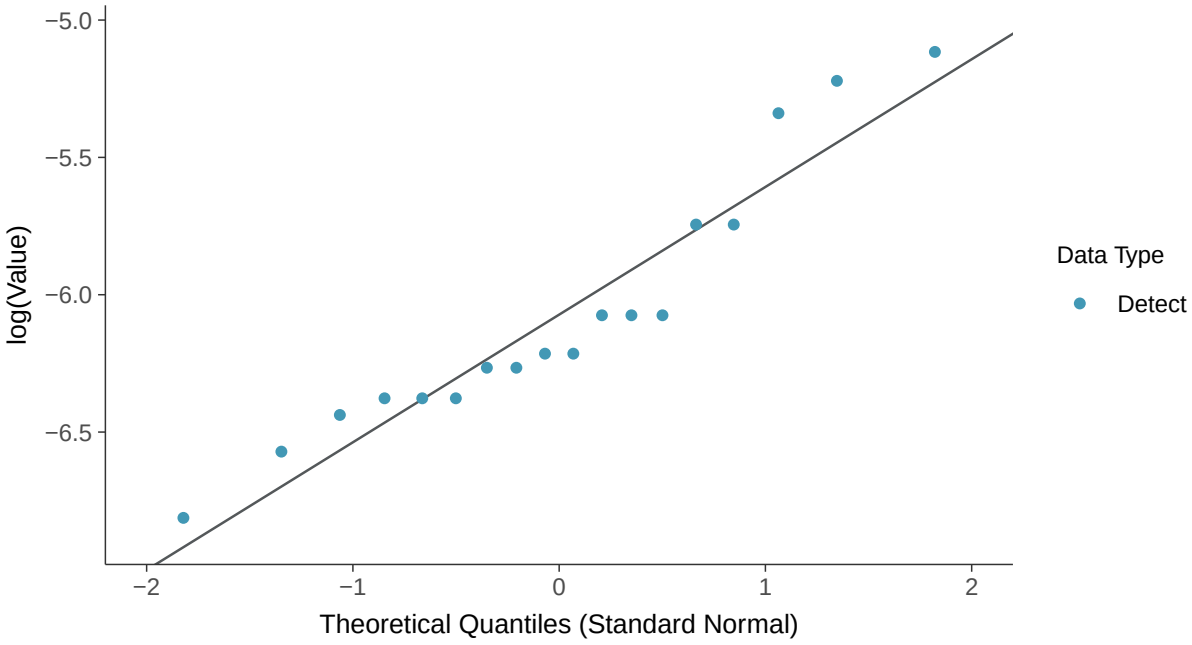
Boxplot by Season

Cobalt, MW-18 (mg/L)



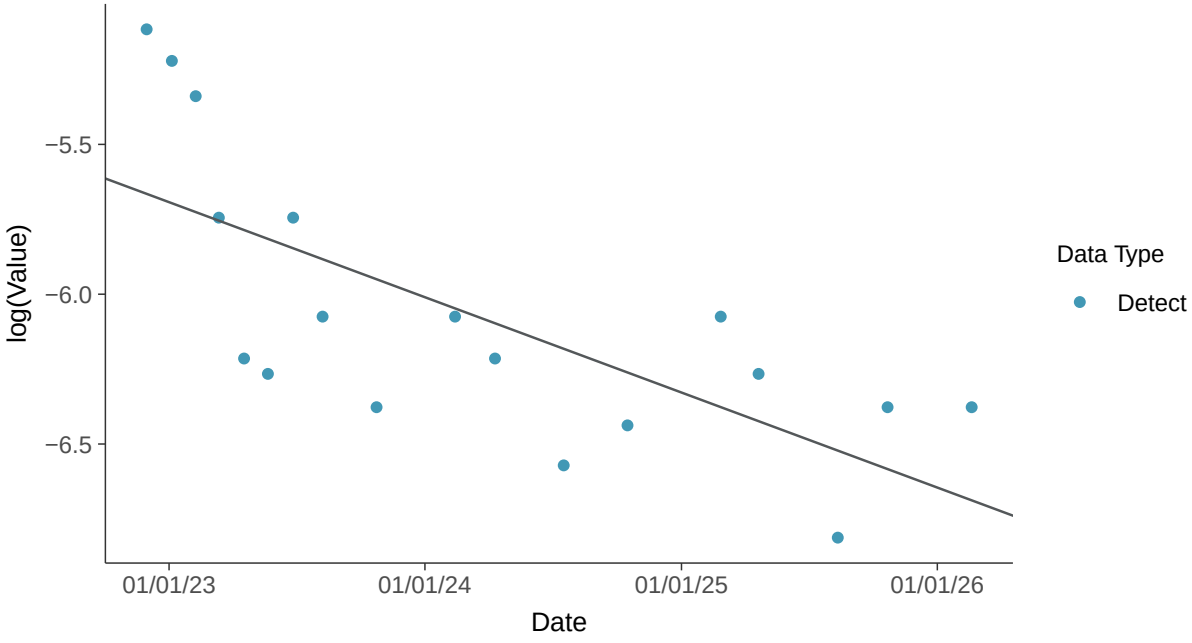
Lognormal Q-Q plot

Cobalt, MW-18 (mg/L)



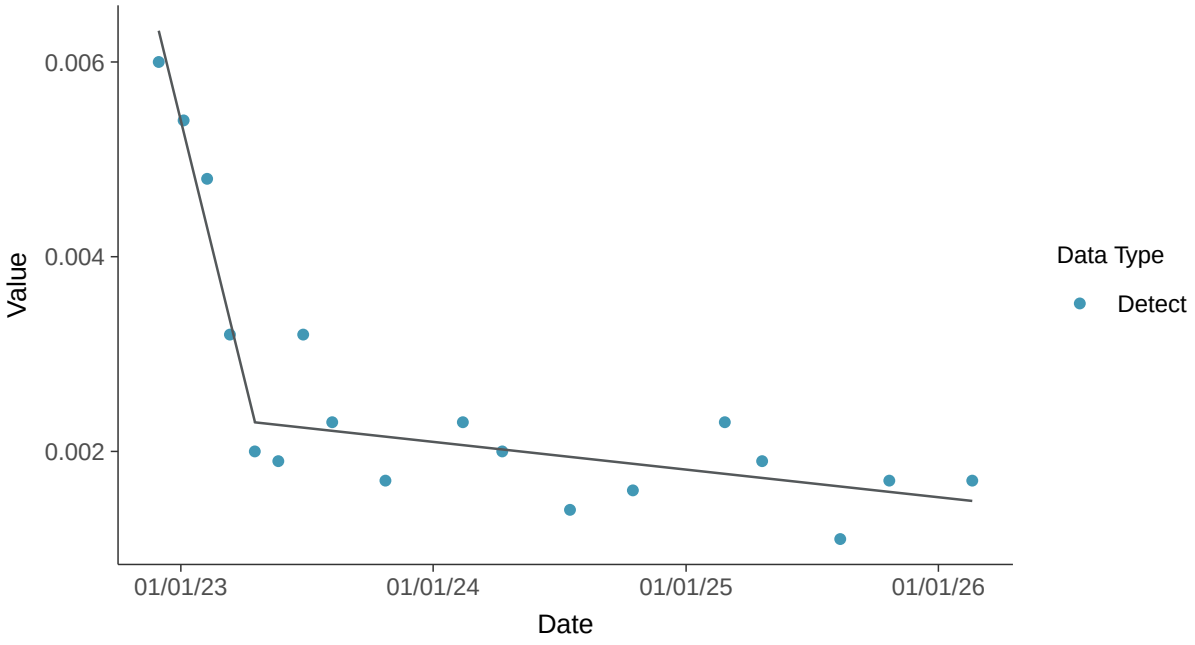
Trend Regression: Lognormal MLE

Cobalt, MW-18 (mg/L)



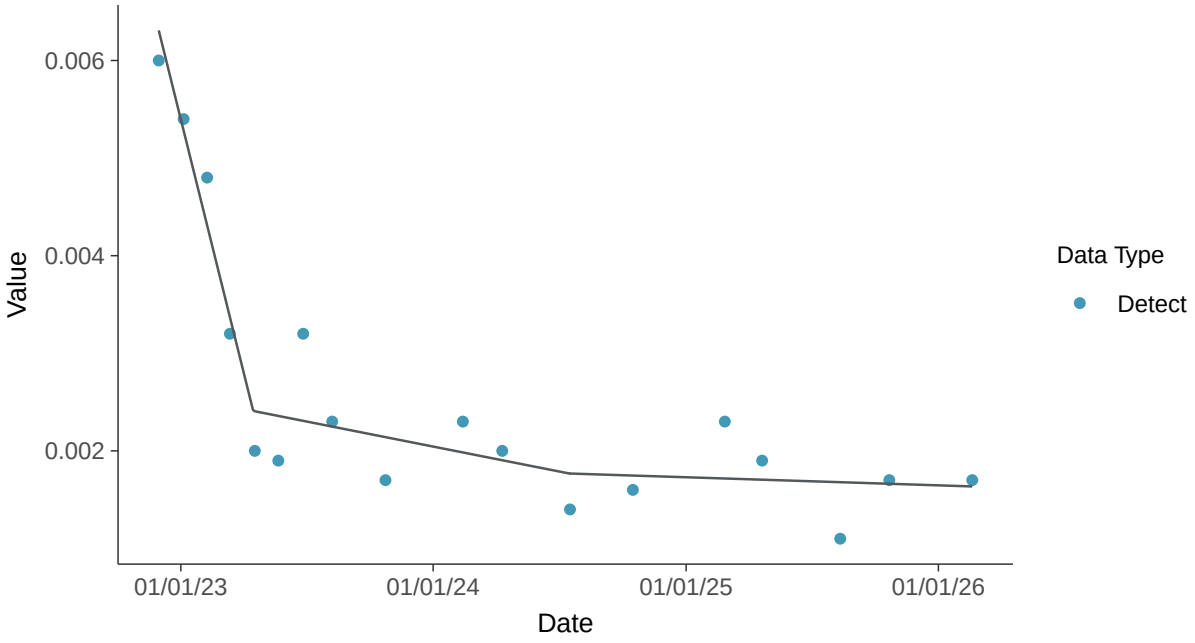
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-18 (mg/L)



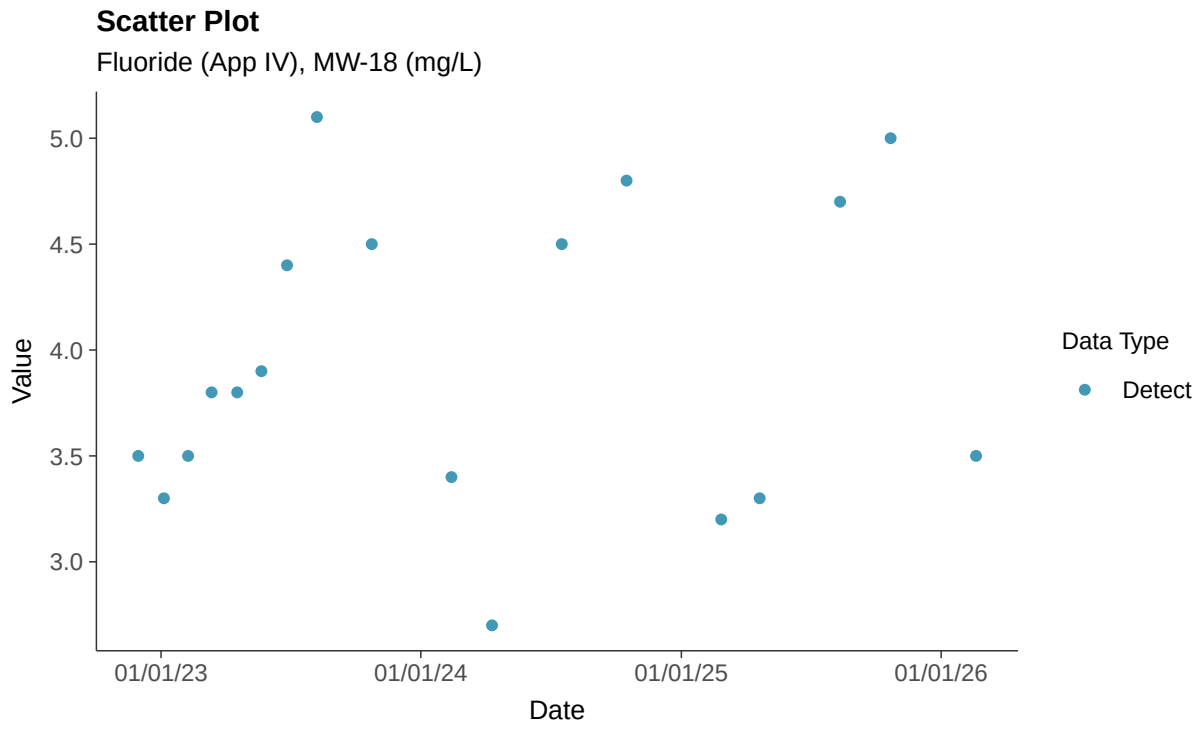
Trend Regression: Piecewise Linear-Linear-Linear

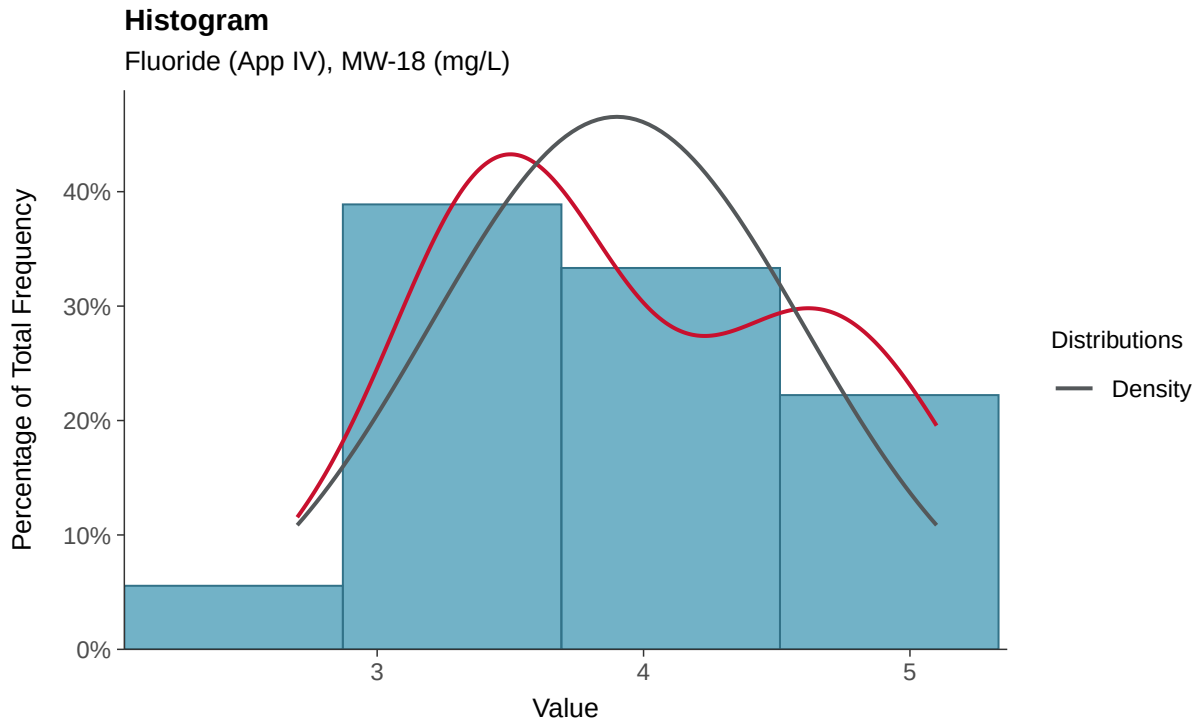
Cobalt, MW-18 (mg/L)



Appendix IV: Fluoride (App IV), MW-18

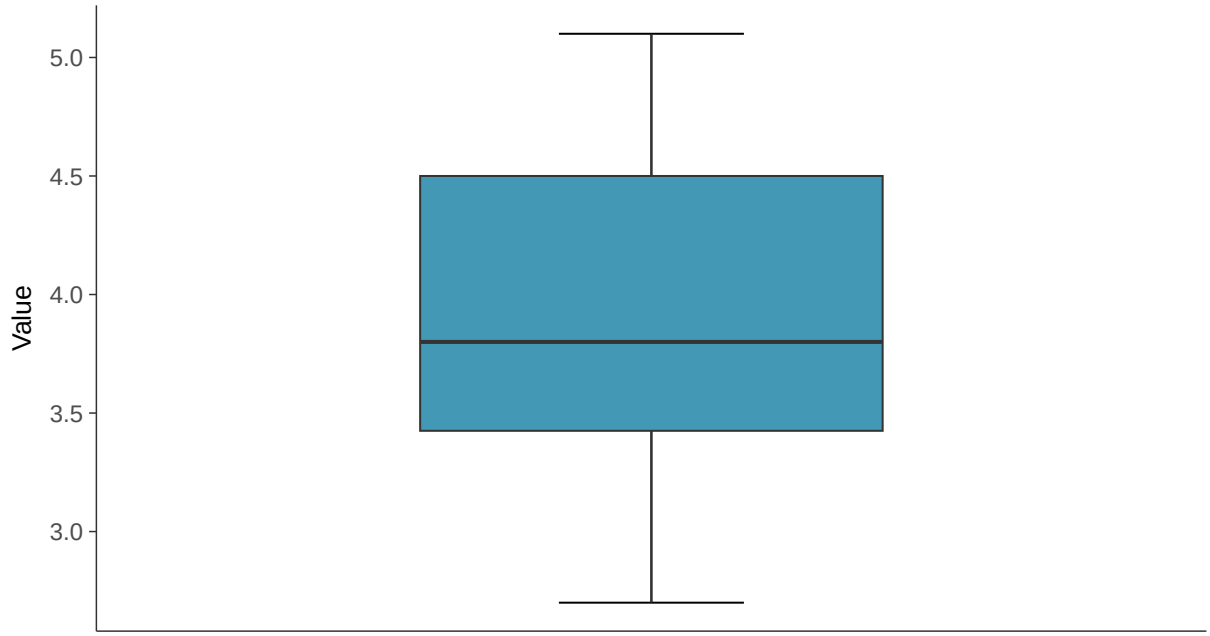
ID: 28_1_4_113





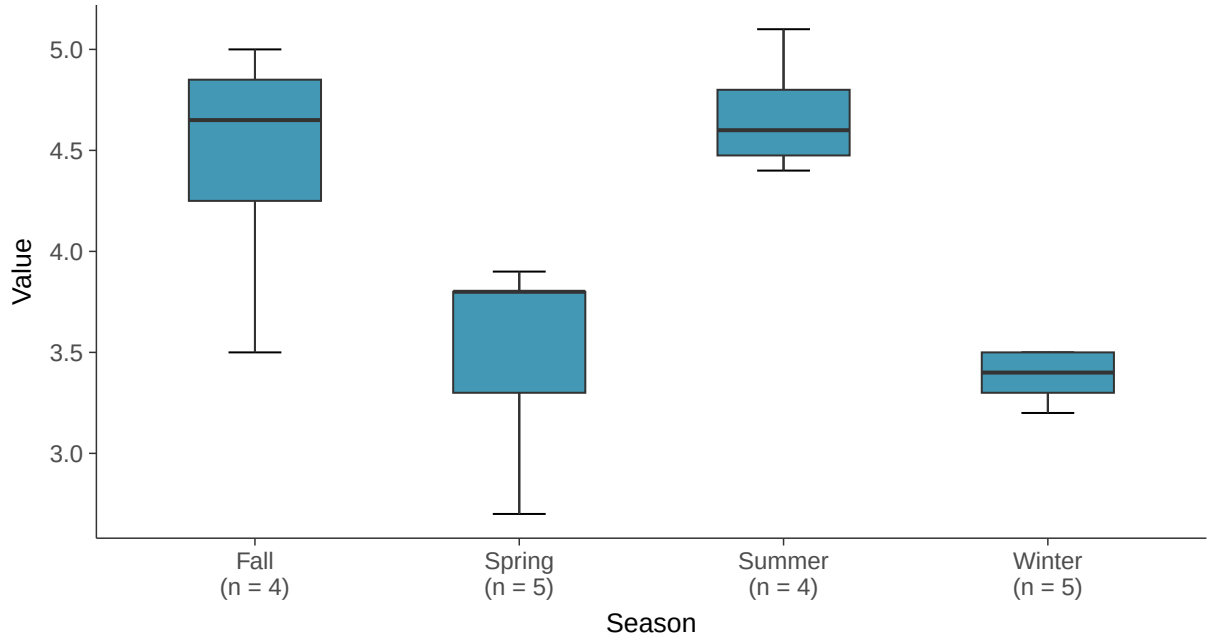
Boxplot

Fluoride (App IV), MW-18 (mg/L)



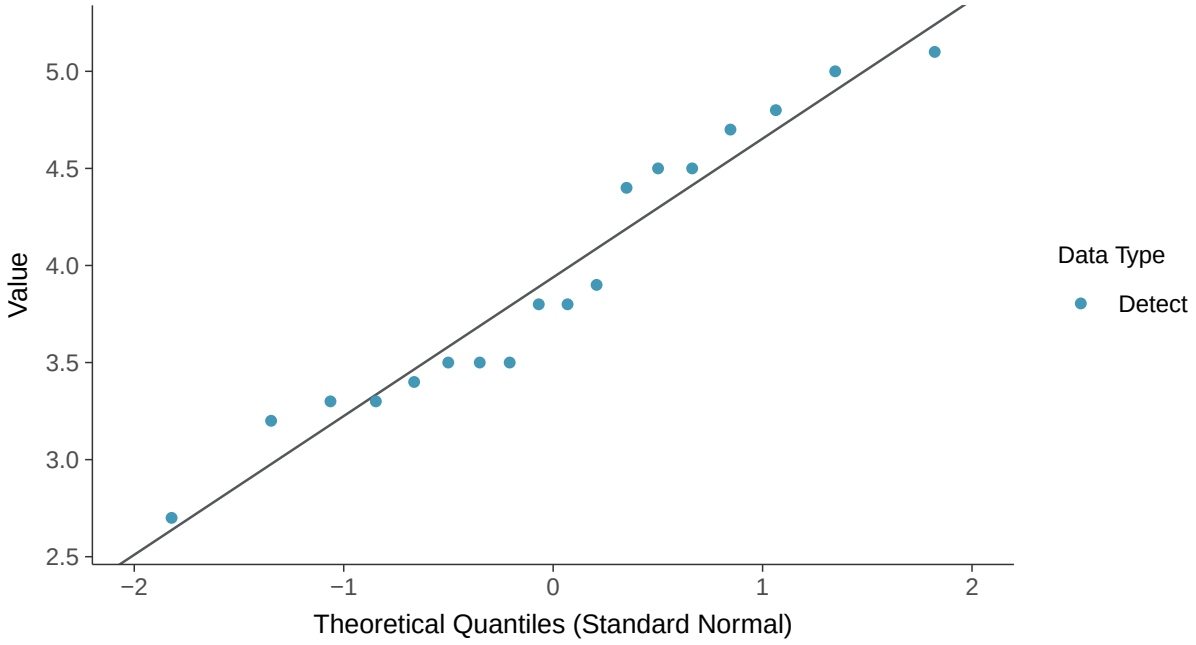
Boxplot by Season

Fluoride (App IV), MW-18 (mg/L)



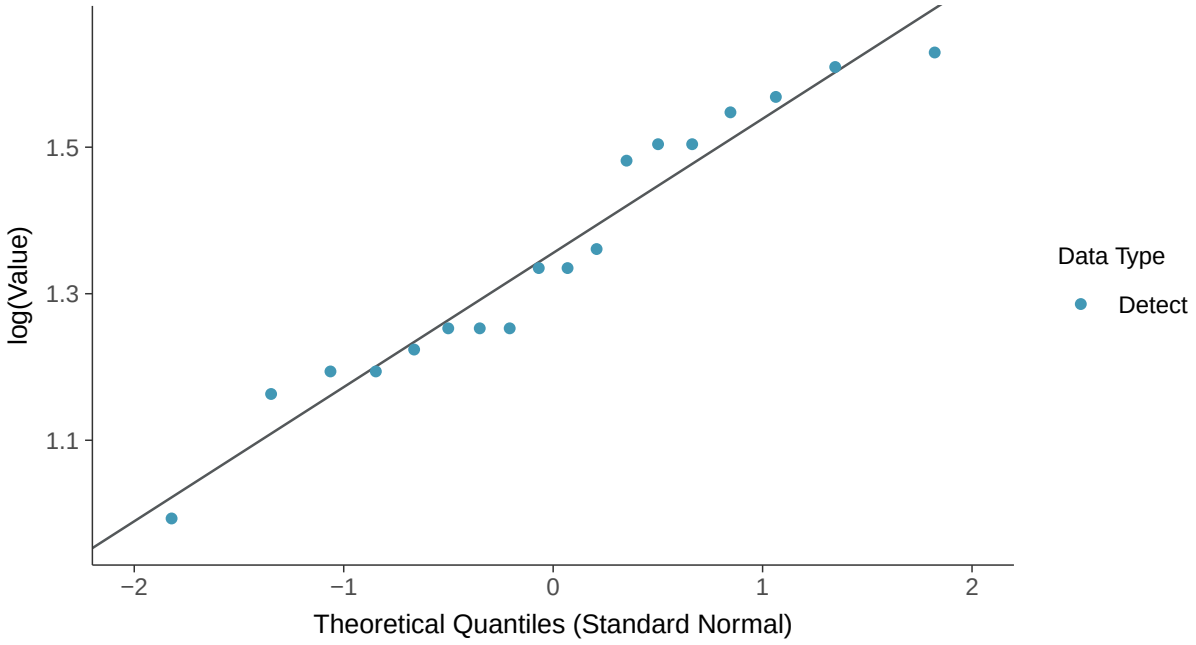
Normal Q-Q plot

Fluoride (App IV), MW-18 (mg/L)



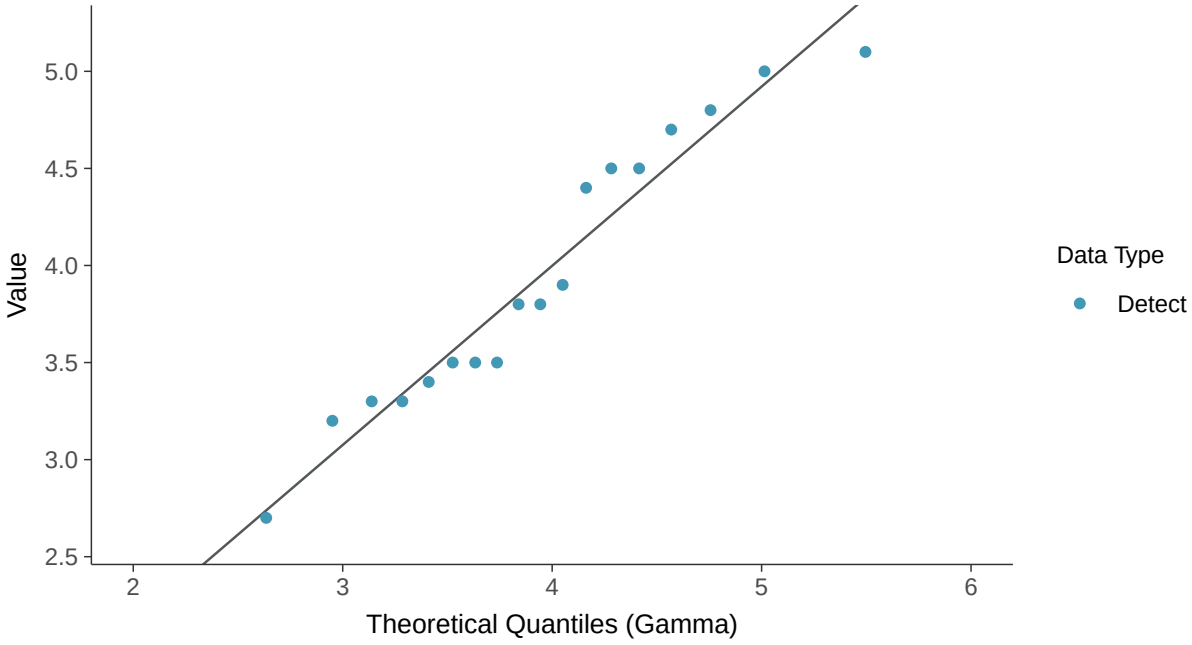
Lognormal Q-Q plot

Fluoride (App IV), MW-18 (mg/L)



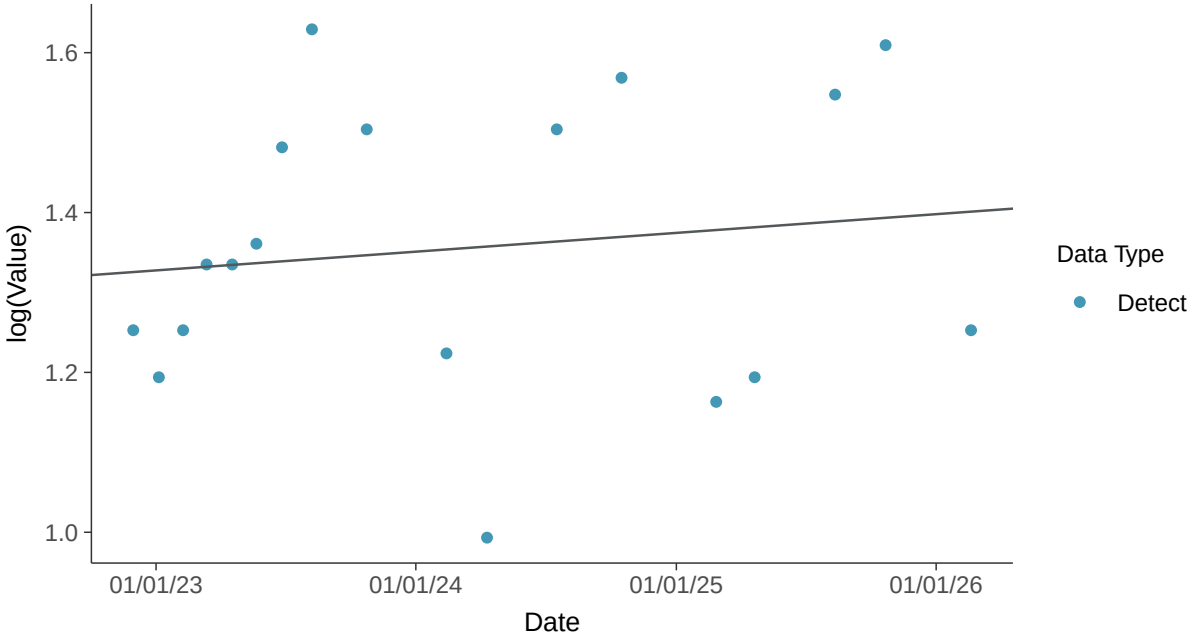
Gamma Q-Q plot

Fluoride (App IV), MW-18 (mg/L)



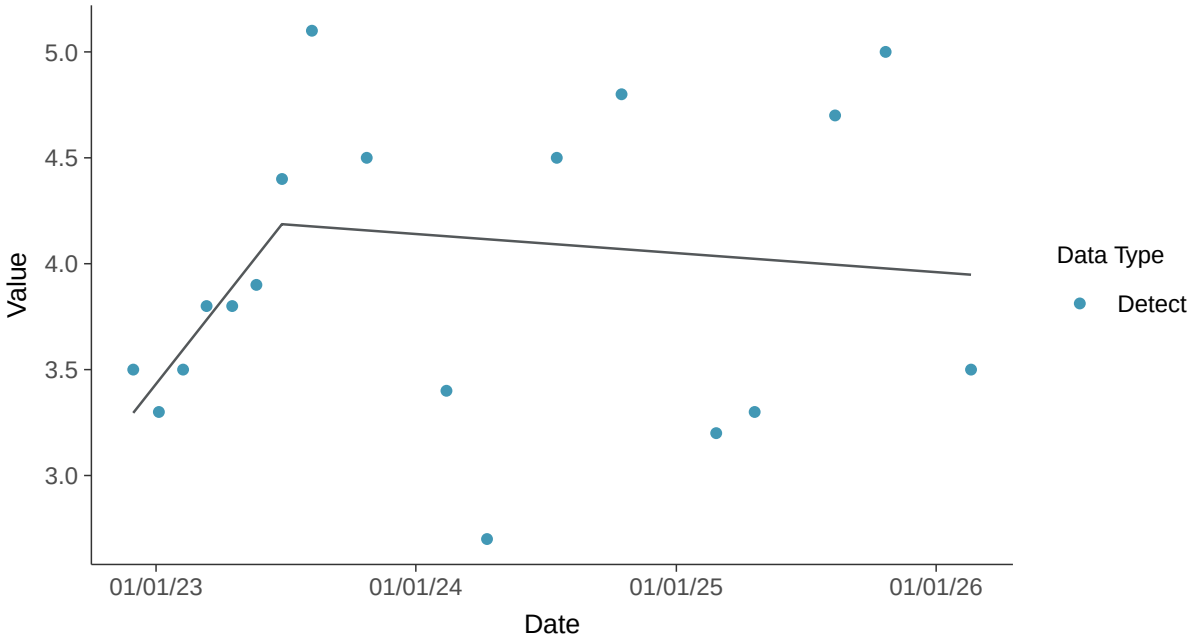
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-18 (mg/L)



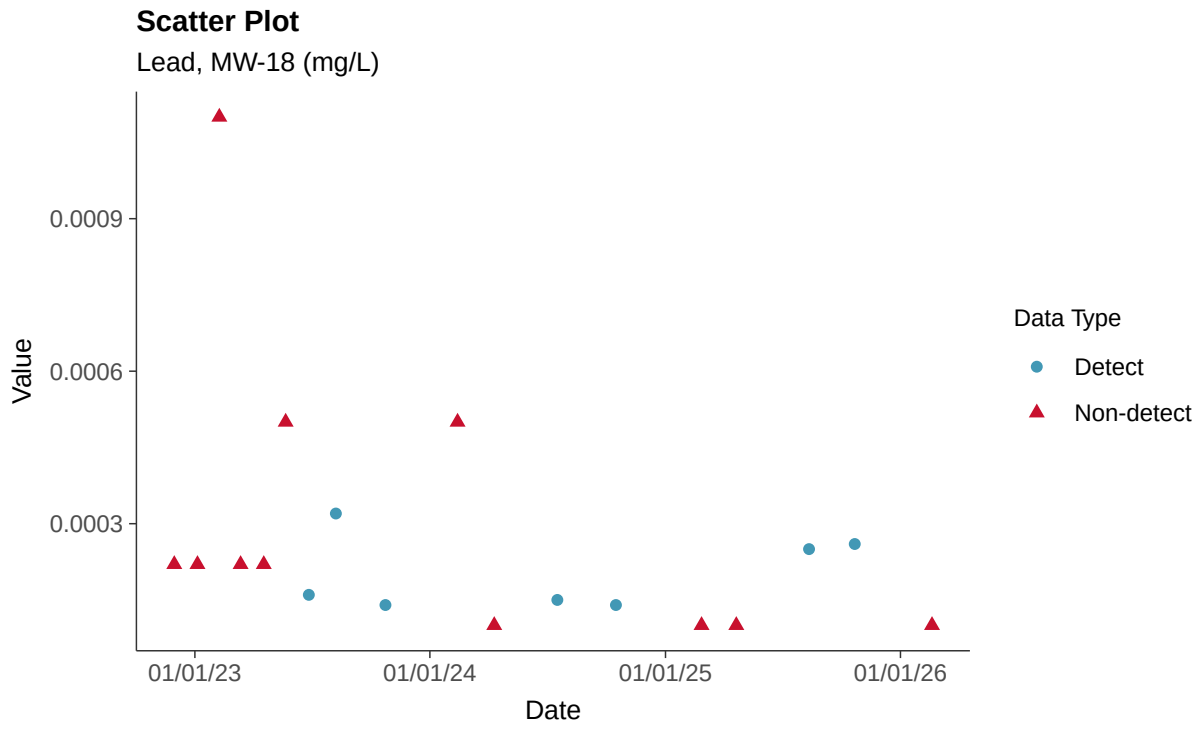
Trend Regression: Piecewise Linear-Linear

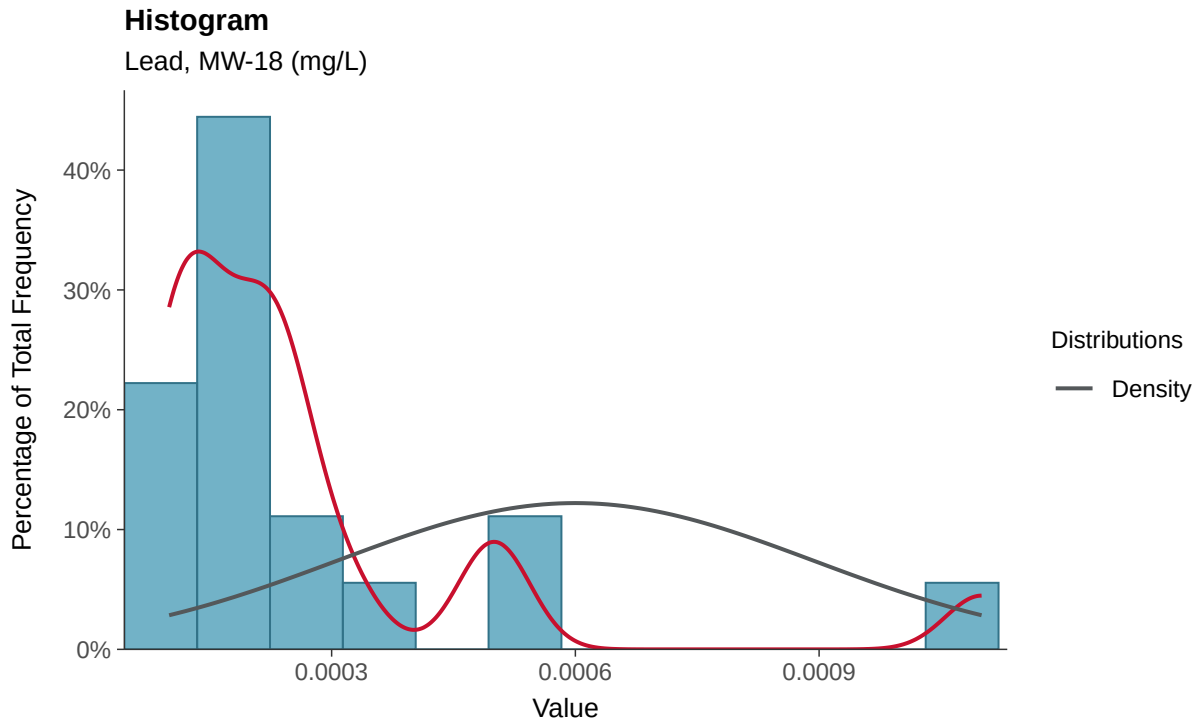
Fluoride (App IV), MW-18 (mg/L)



Appendix IV: Lead, MW-18

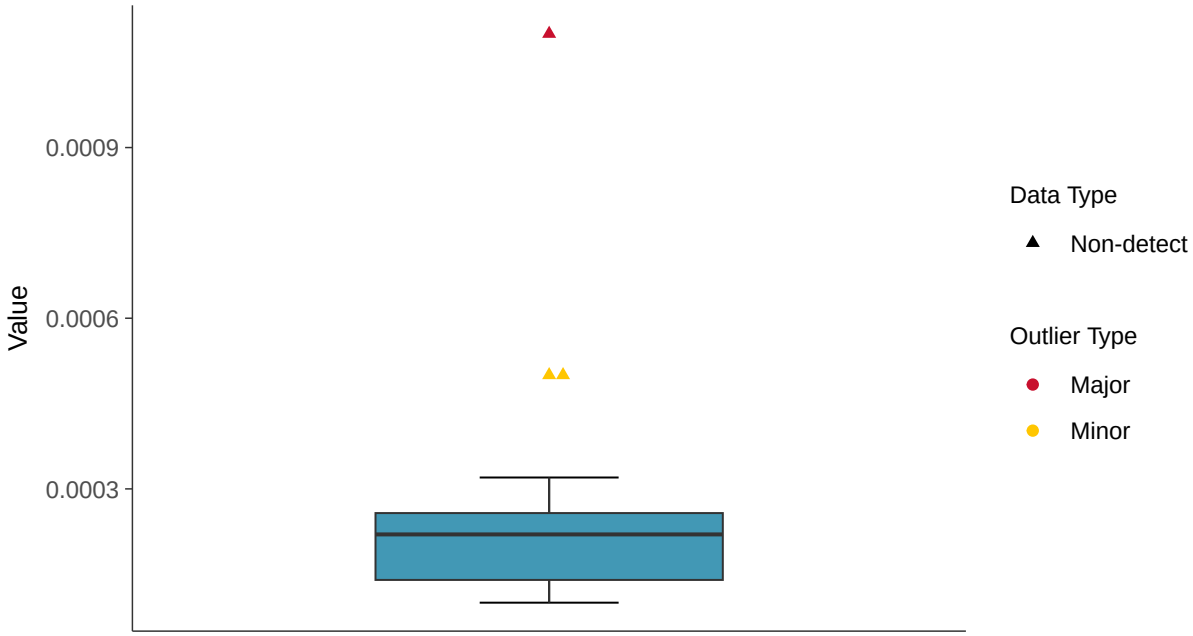
ID: 28_1_4_115





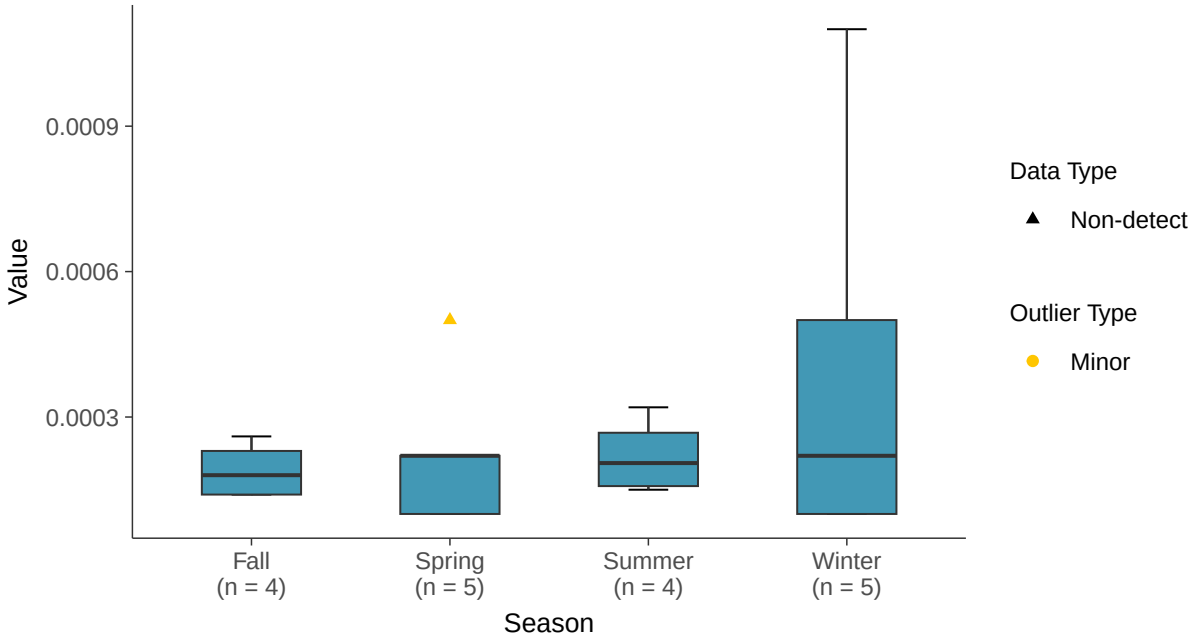
Boxplot

Lead, MW-18 (mg/L)



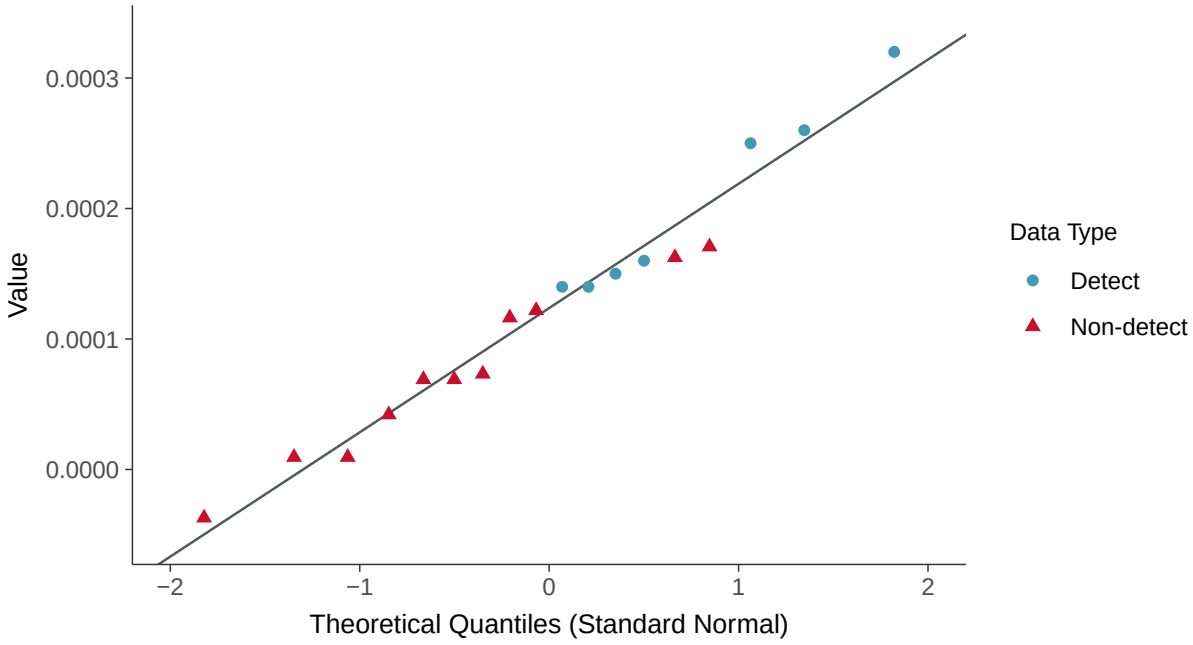
Boxplot by Season

Lead, MW-18 (mg/L)



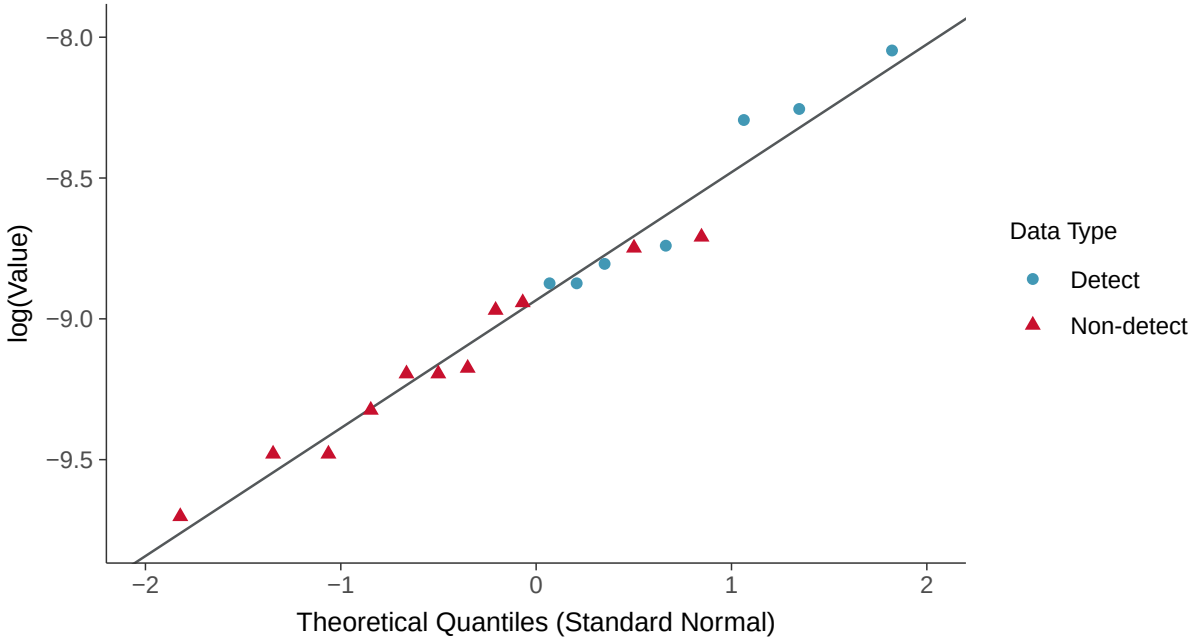
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-18 (mg/L)



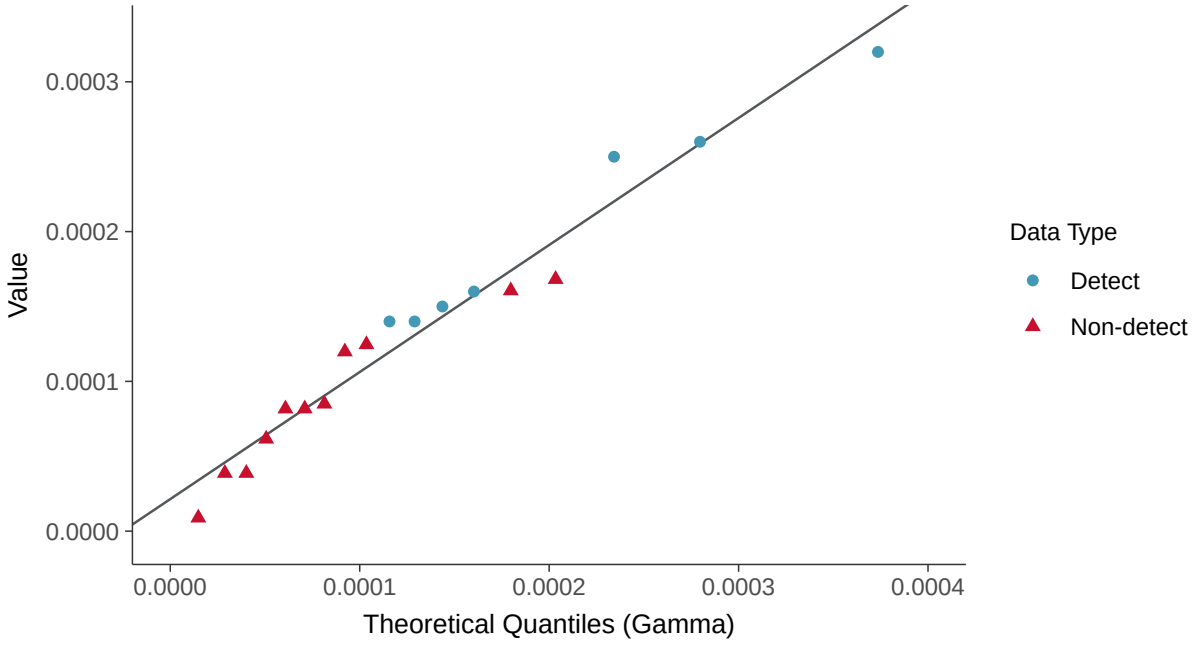
Lognormal Q-Q plot using ROS Imputed Estimates

Lead, MW-18 (mg/L)



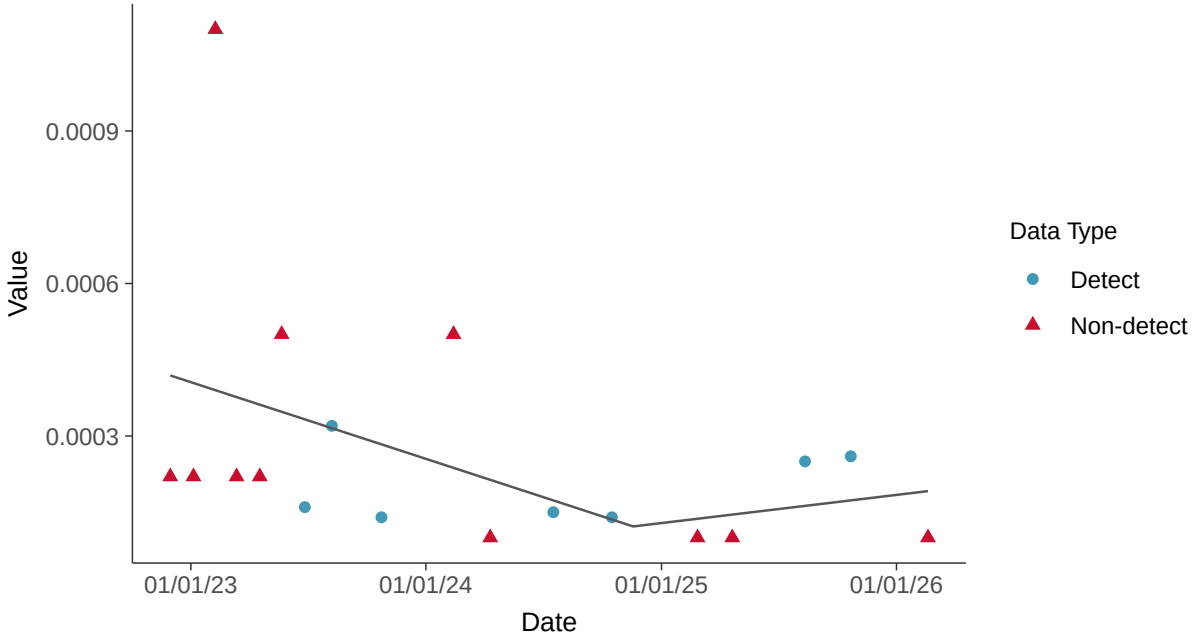
Gamma Q-Q plot using ROS Imputed Estimates

Lead, MW-18 (mg/L)



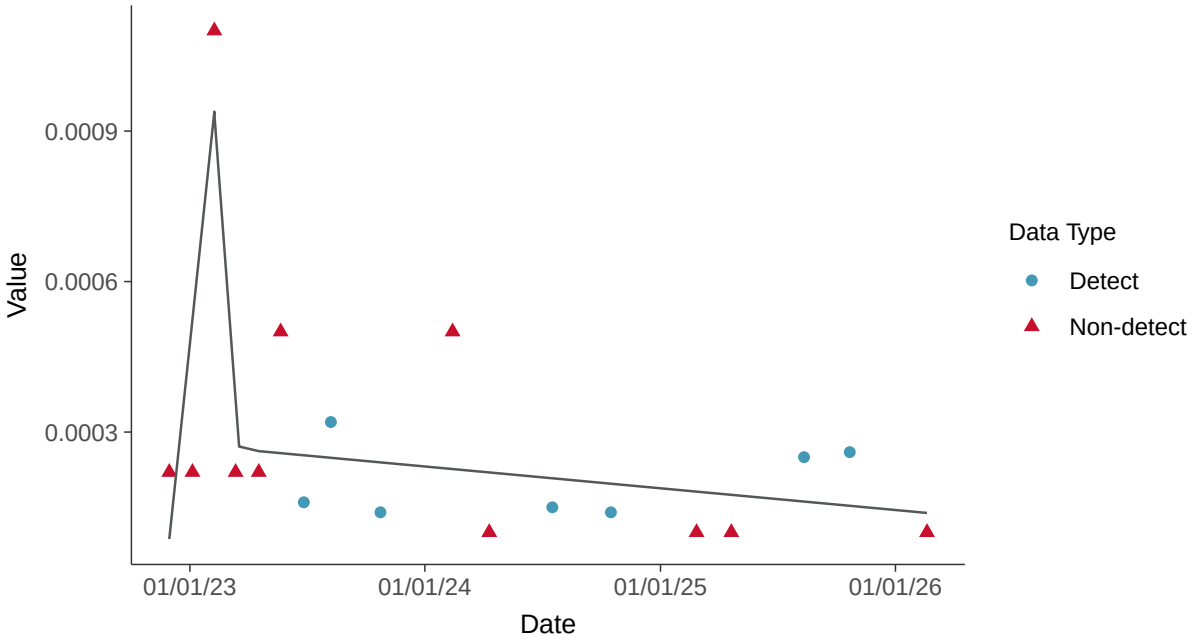
Trend Regression: Piecewise Linear-Linear

Lead, MW-18 (mg/L)



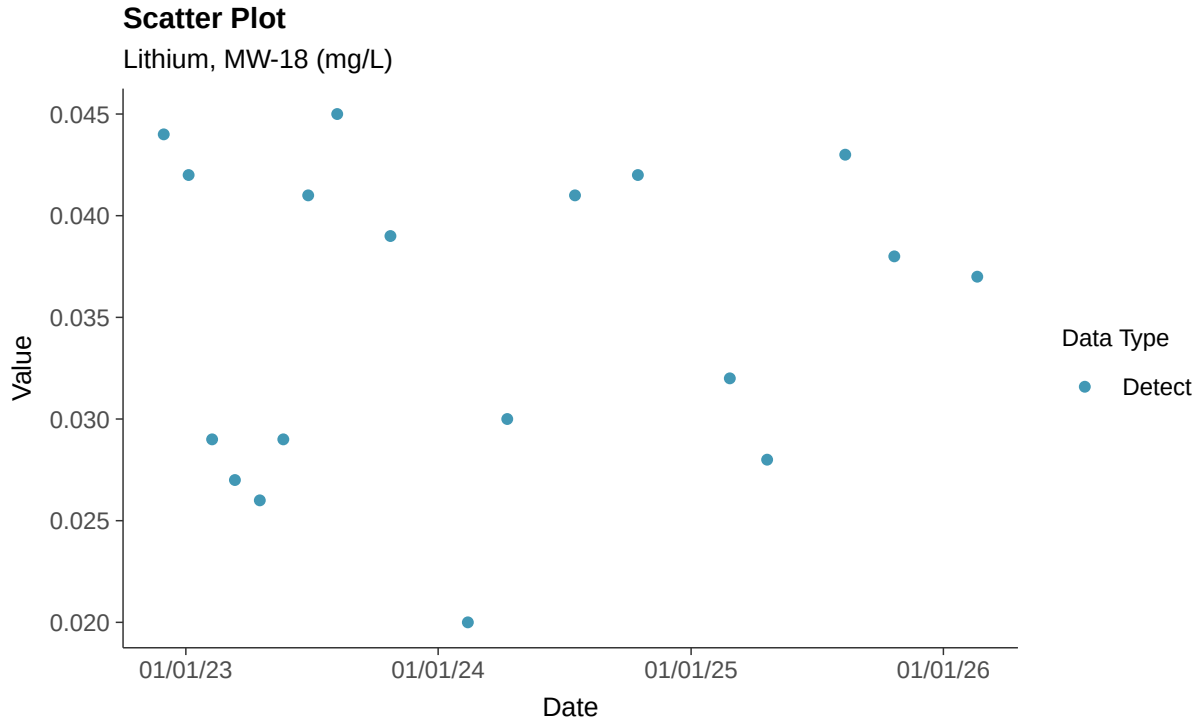
Trend Regression: Piecewise Linear-Linear-Linear

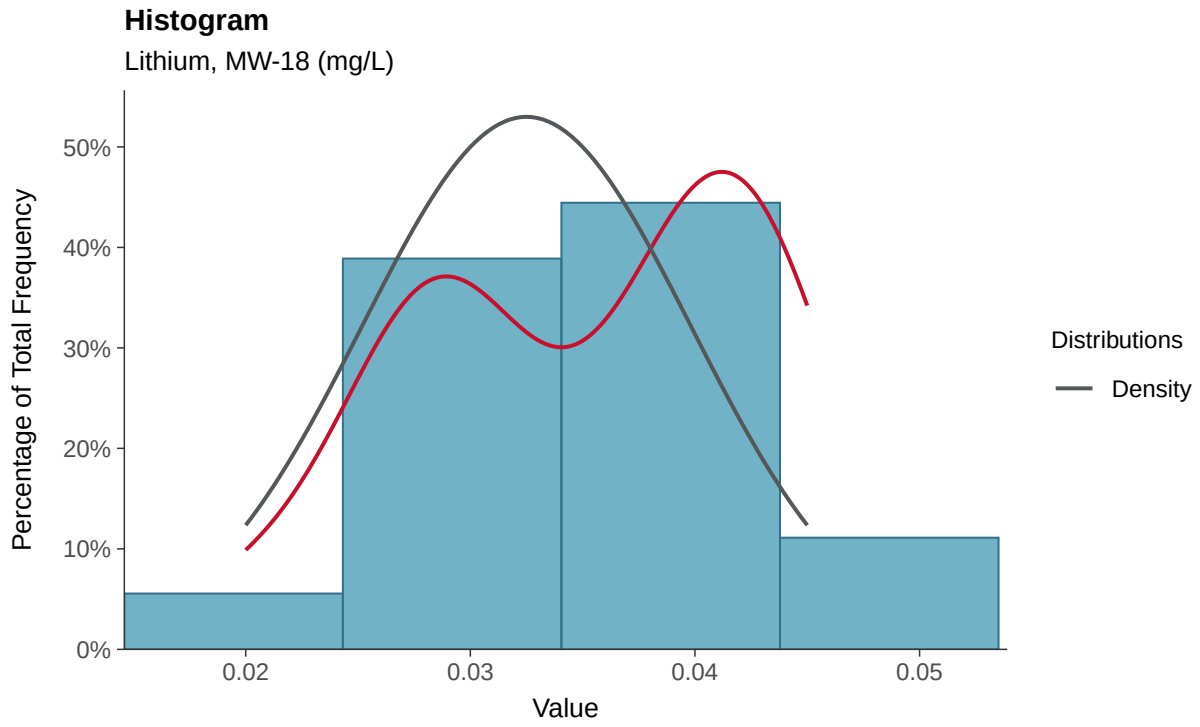
Lead, MW-18 (mg/L)



Appendix IV: Lithium, MW-18

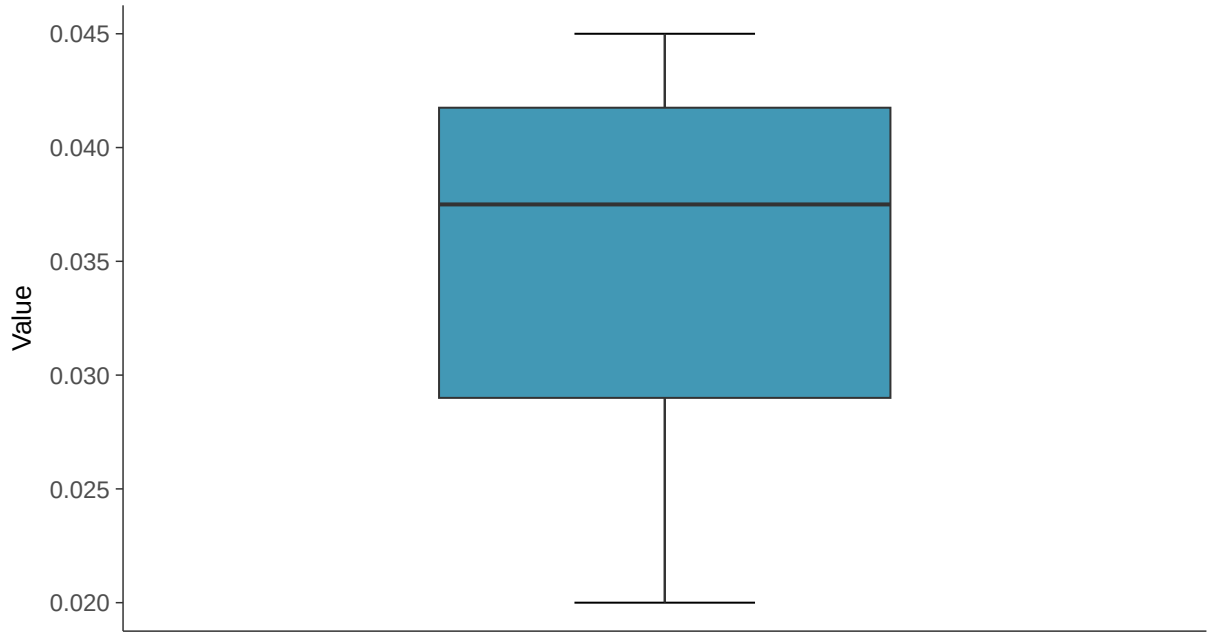
ID: 28_1_4_116





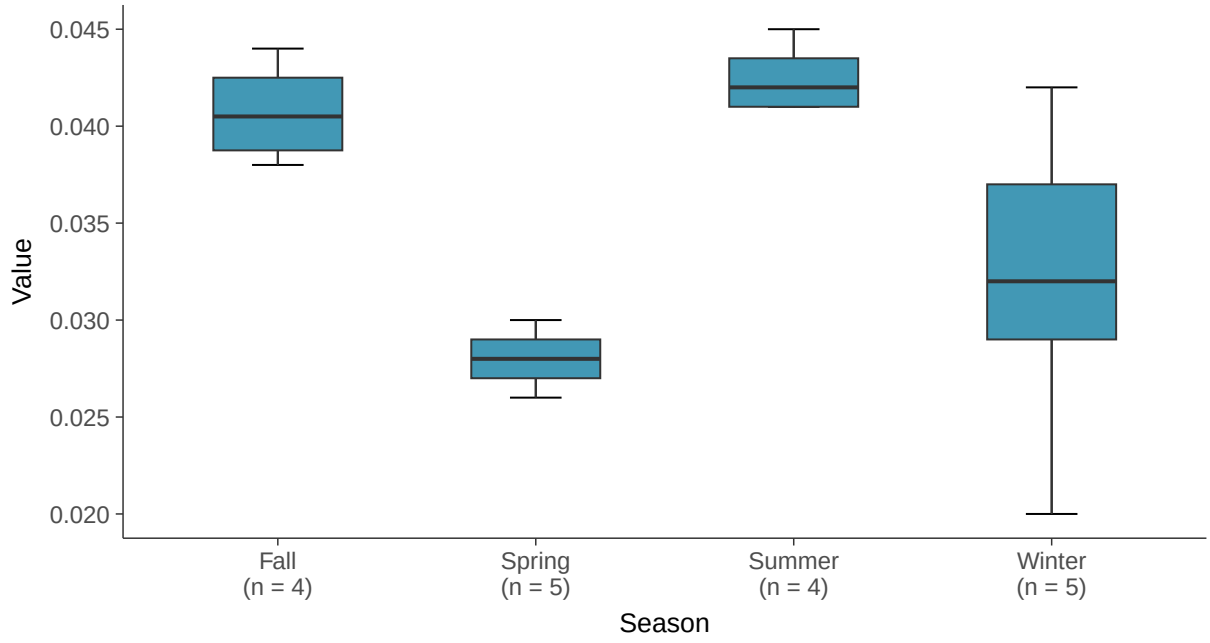
Boxplot

Lithium, MW-18 (mg/L)



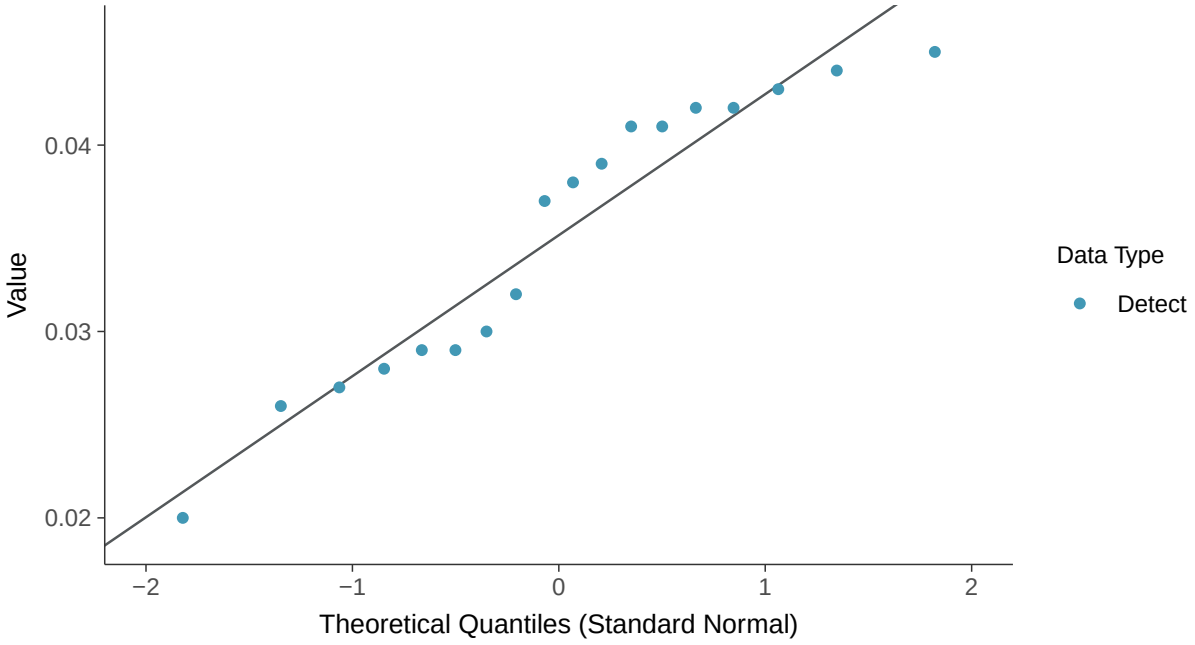
Boxplot by Season

Lithium, MW-18 (mg/L)



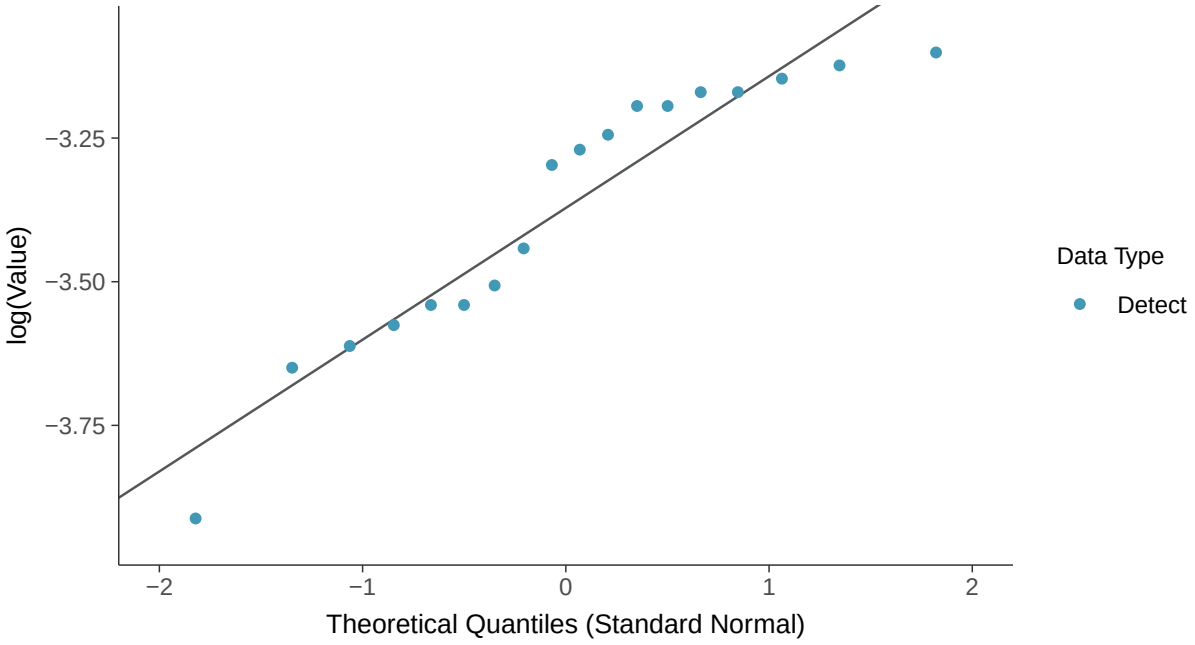
Normal Q-Q plot

Lithium, MW-18 (mg/L)



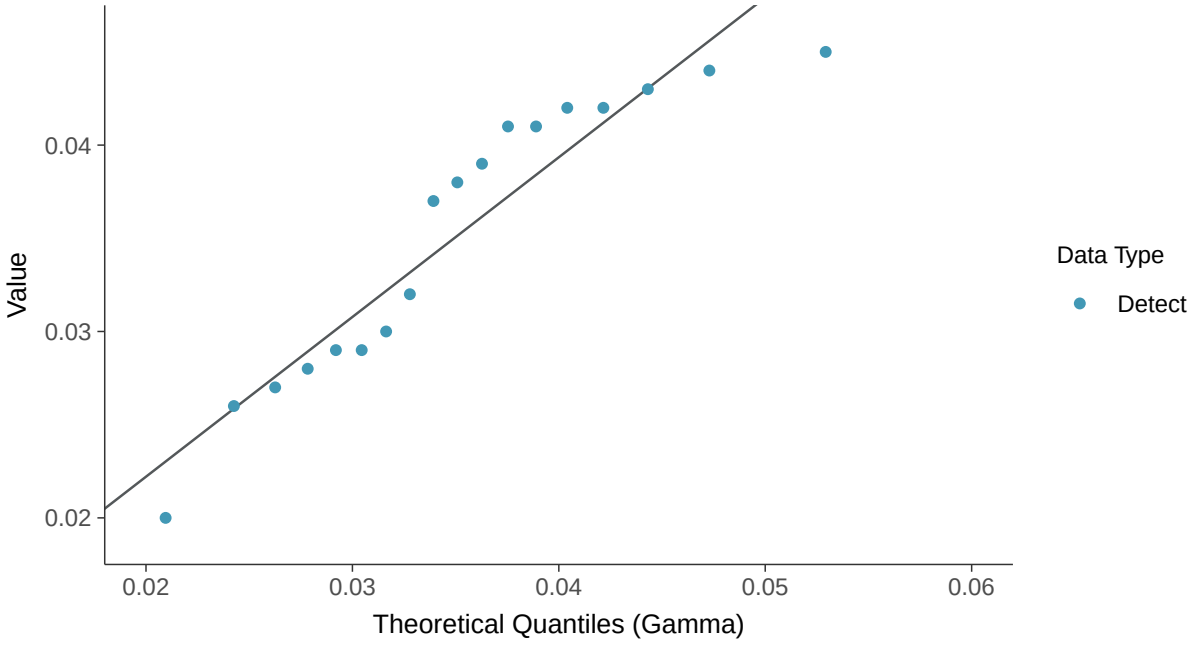
Lognormal Q-Q plot

Lithium, MW-18 (mg/L)



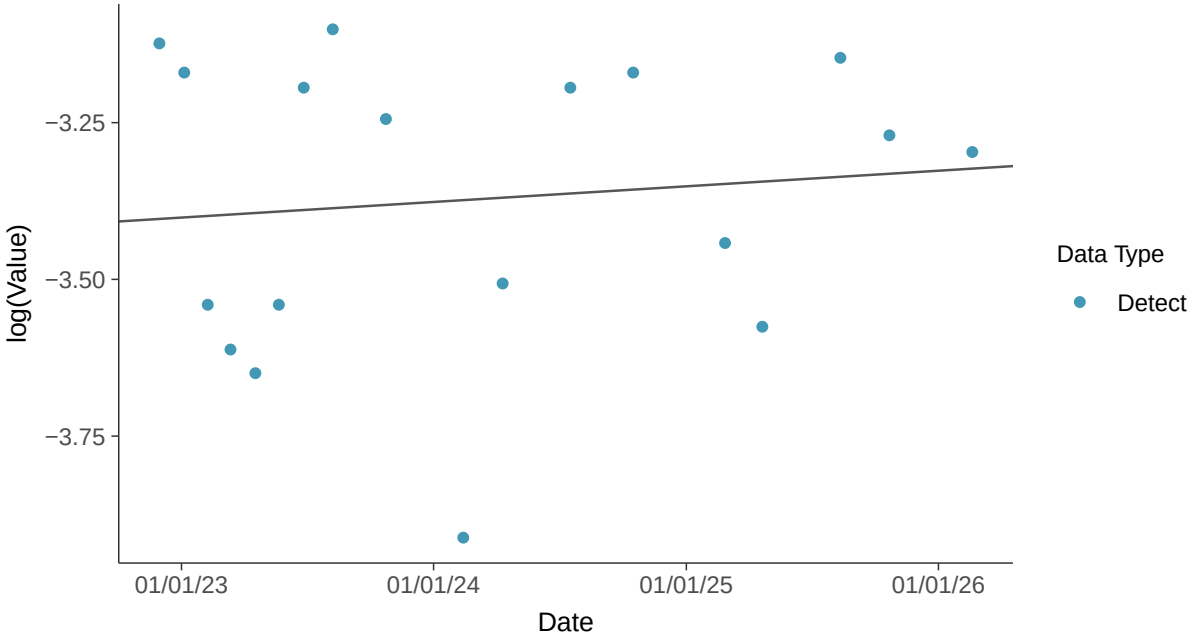
Gamma Q-Q plot

Lithium, MW-18 (mg/L)



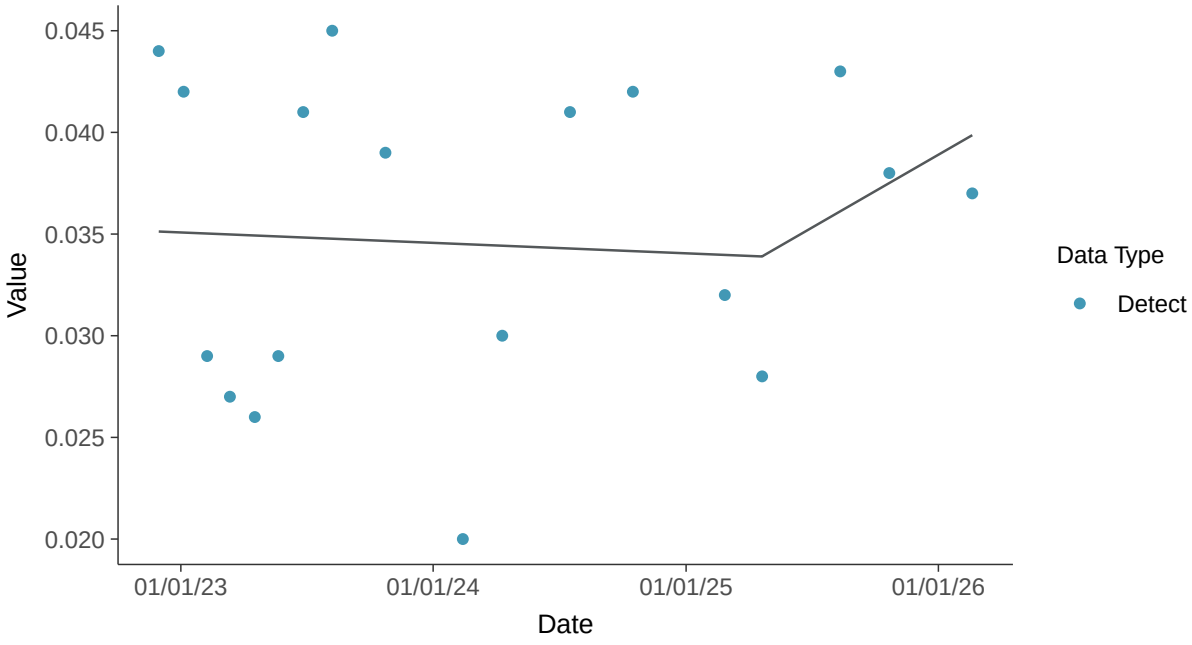
Trend Regression: Lognormal MLE

Lithium, MW-18 (mg/L)



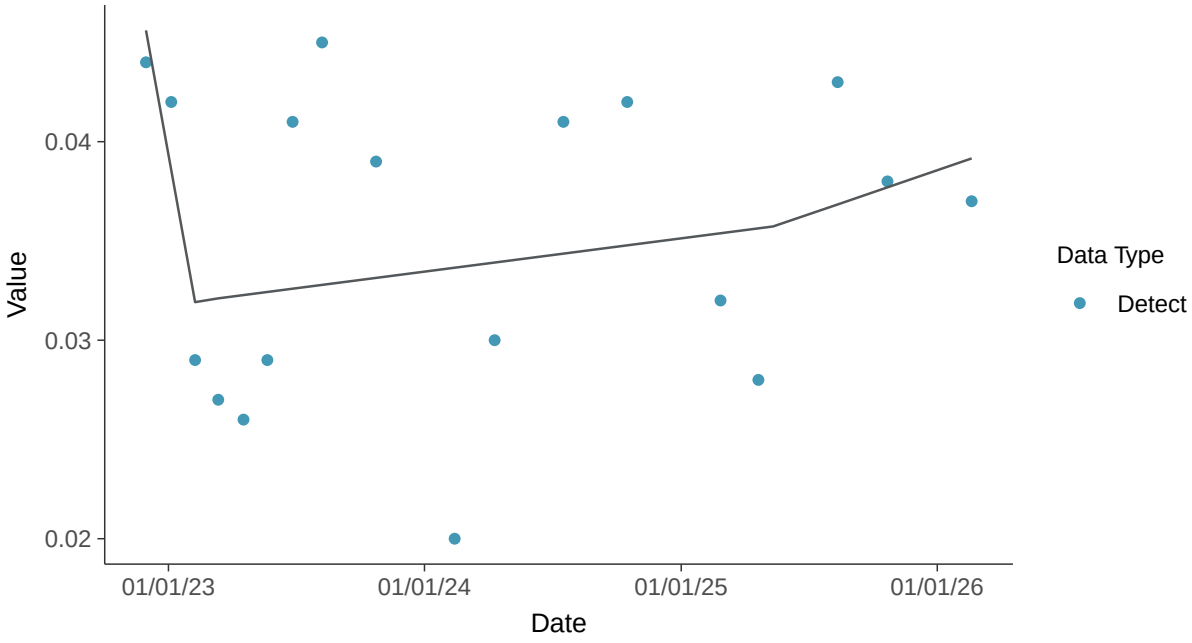
Trend Regression: Piecewise Linear-Linear

Lithium, MW-18 (mg/L)



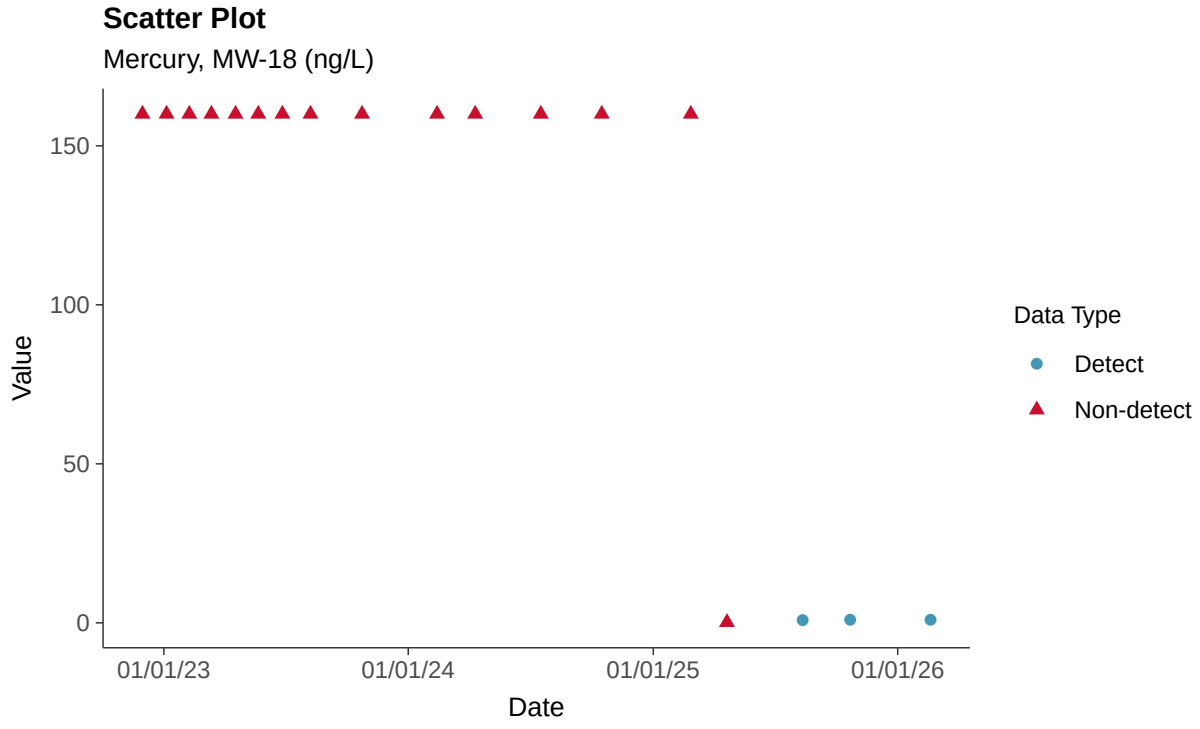
Trend Regression: Piecewise Linear-Linear-Linear

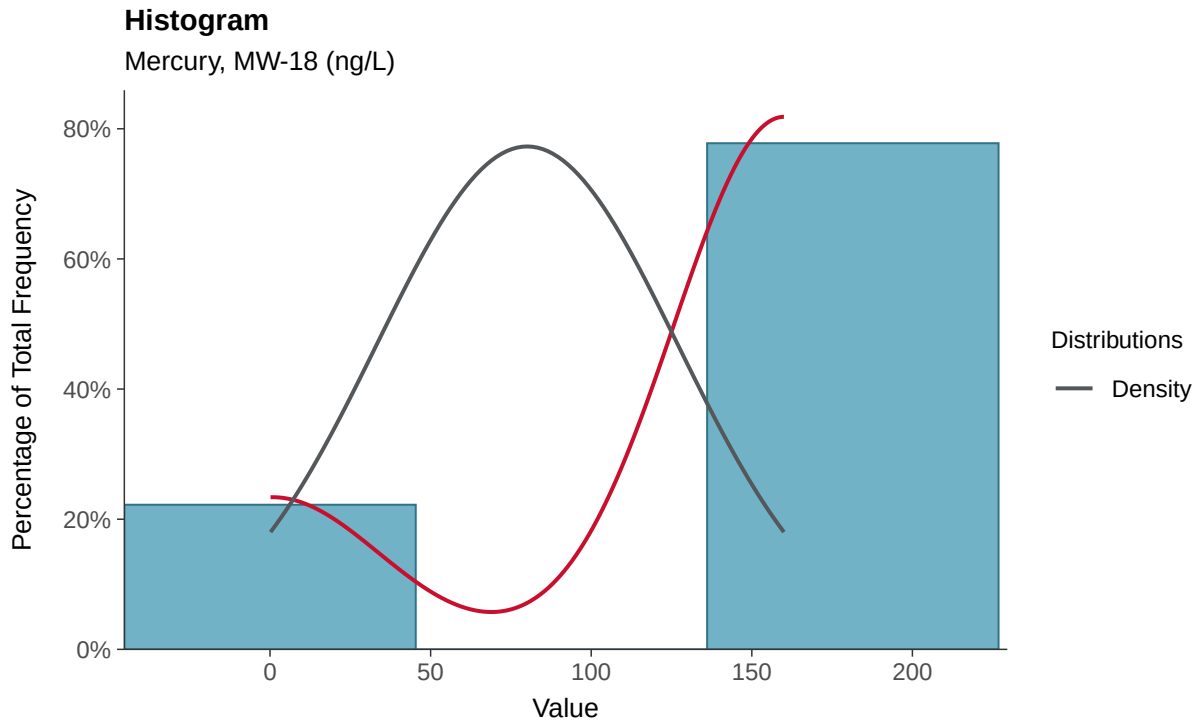
Lithium, MW-18 (mg/L)



Appendix IV: Mercury, MW-18

ID: 28_1_4_117



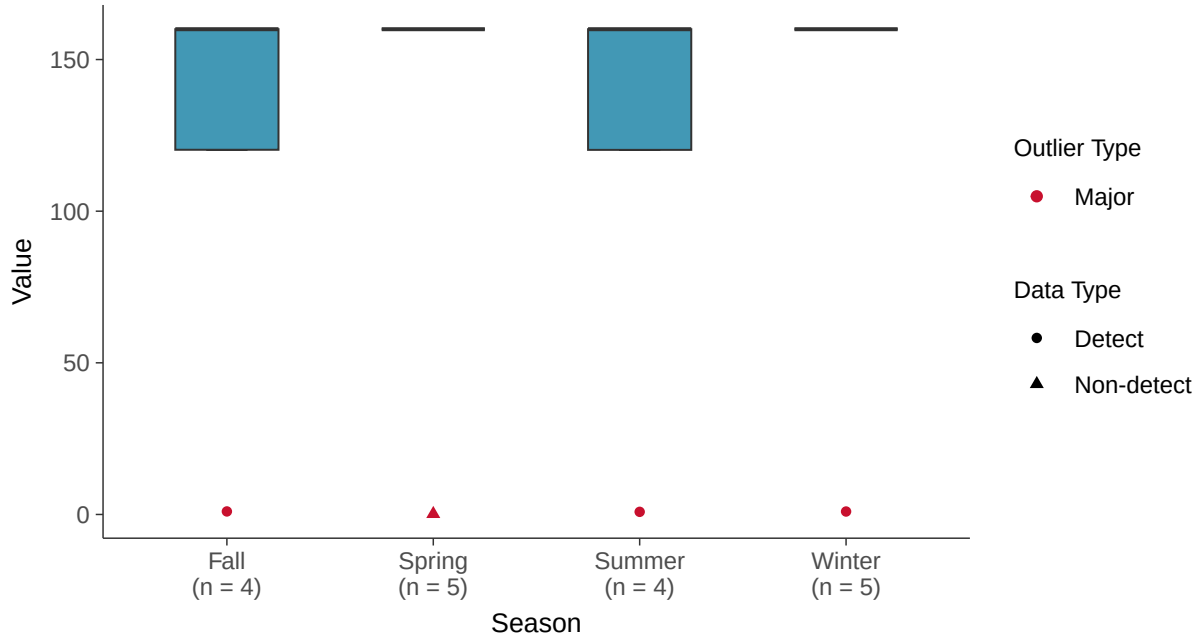


Boxplot

Mercury, MW-18 (ng/L)

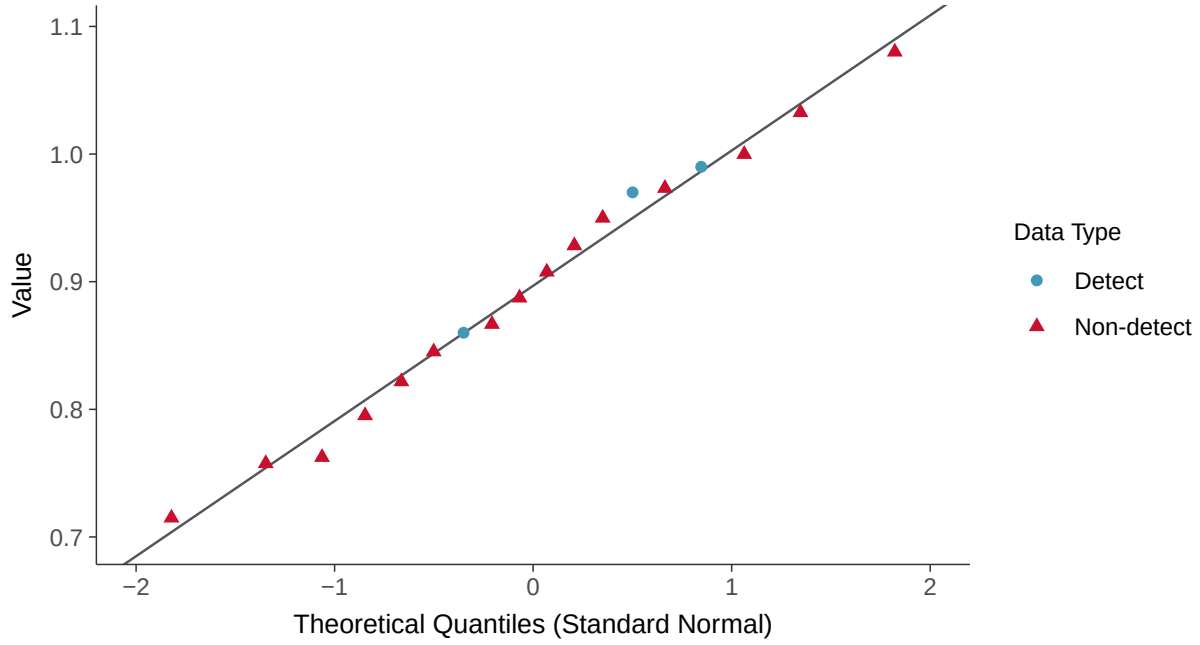
Boxplot by Season

Mercury, MW-18 (ng/L)



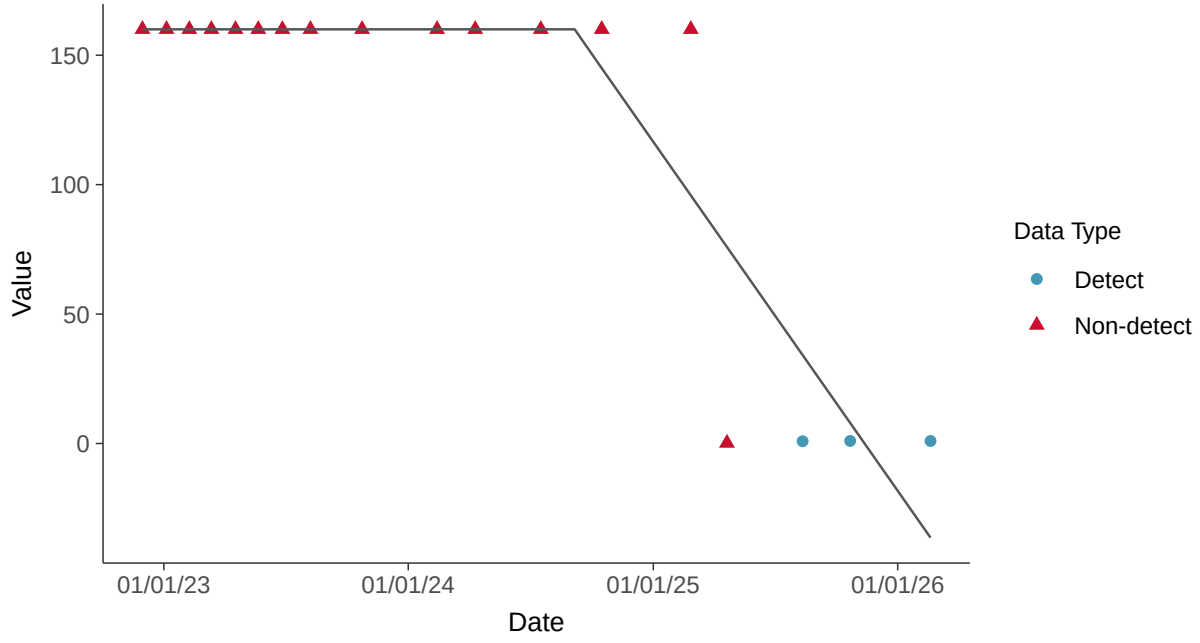
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-18 (ng/L)



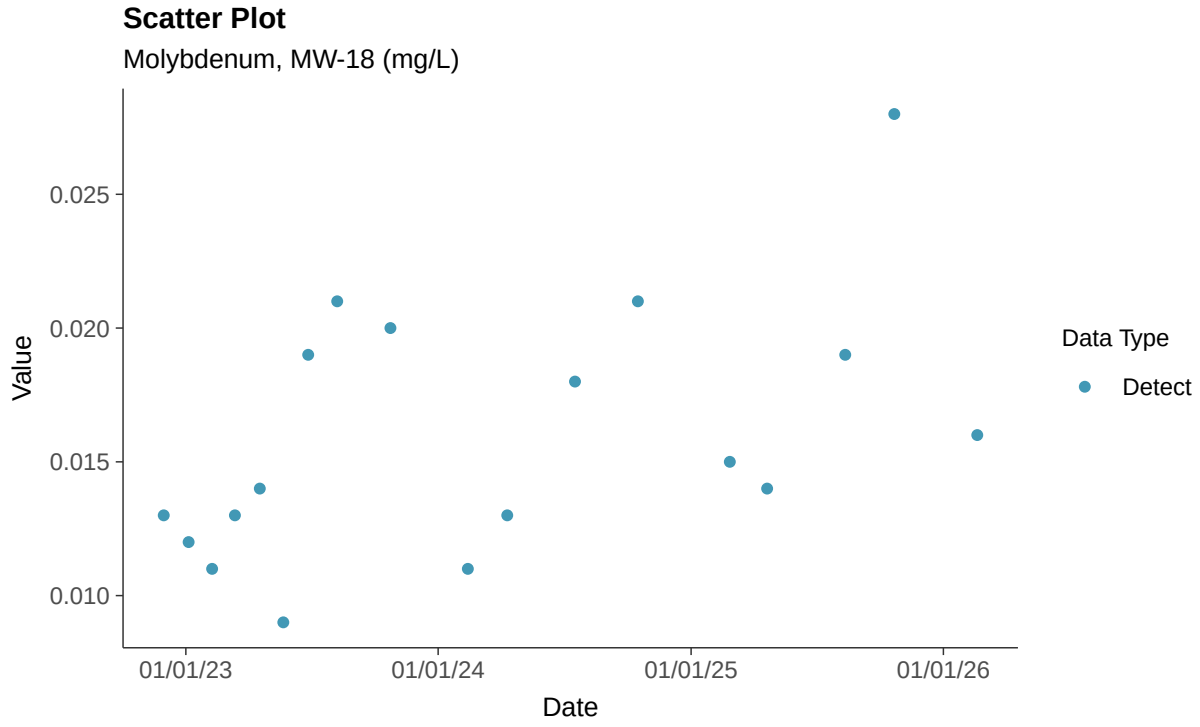
Trend Regression: Piecewise Linear-Linear

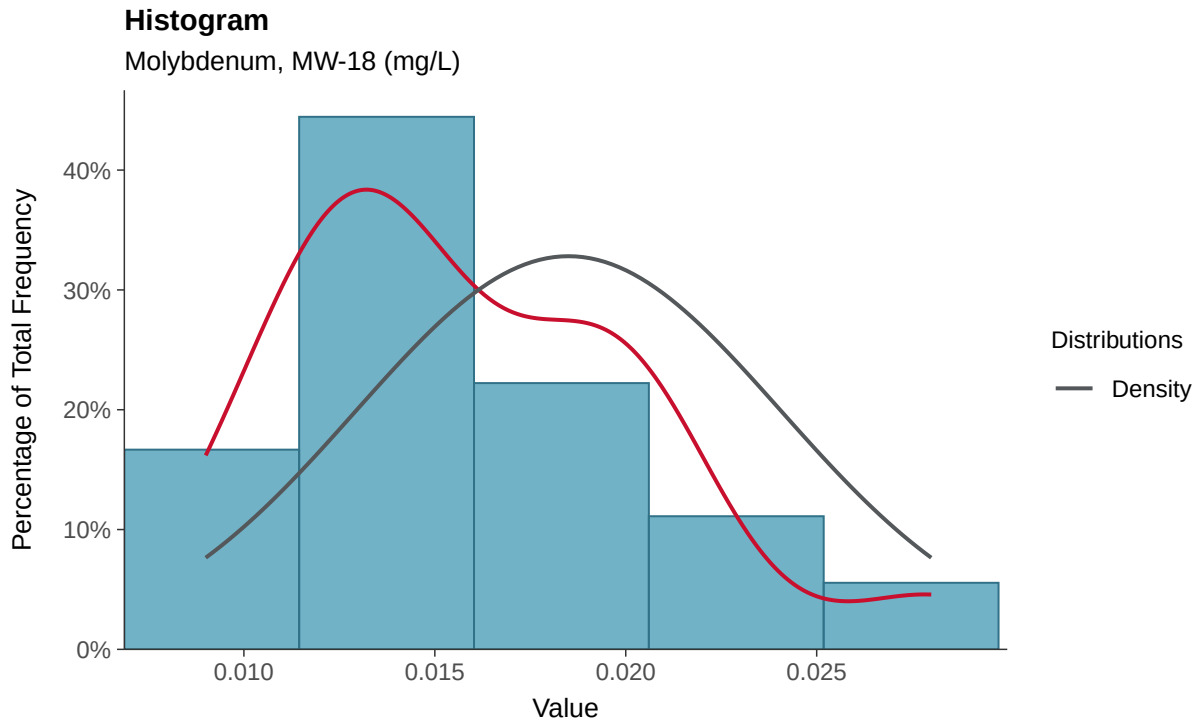
Mercury, MW-18 (ng/L)



Appendix IV: Molybdenum, MW-18

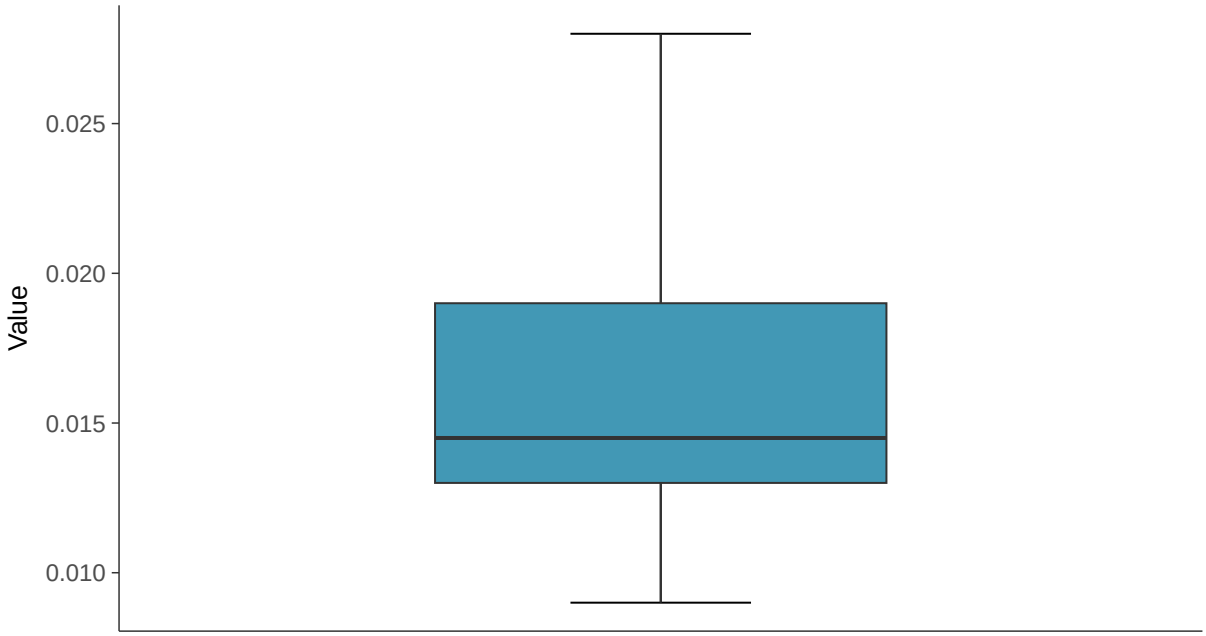
ID: 28_1_4_118





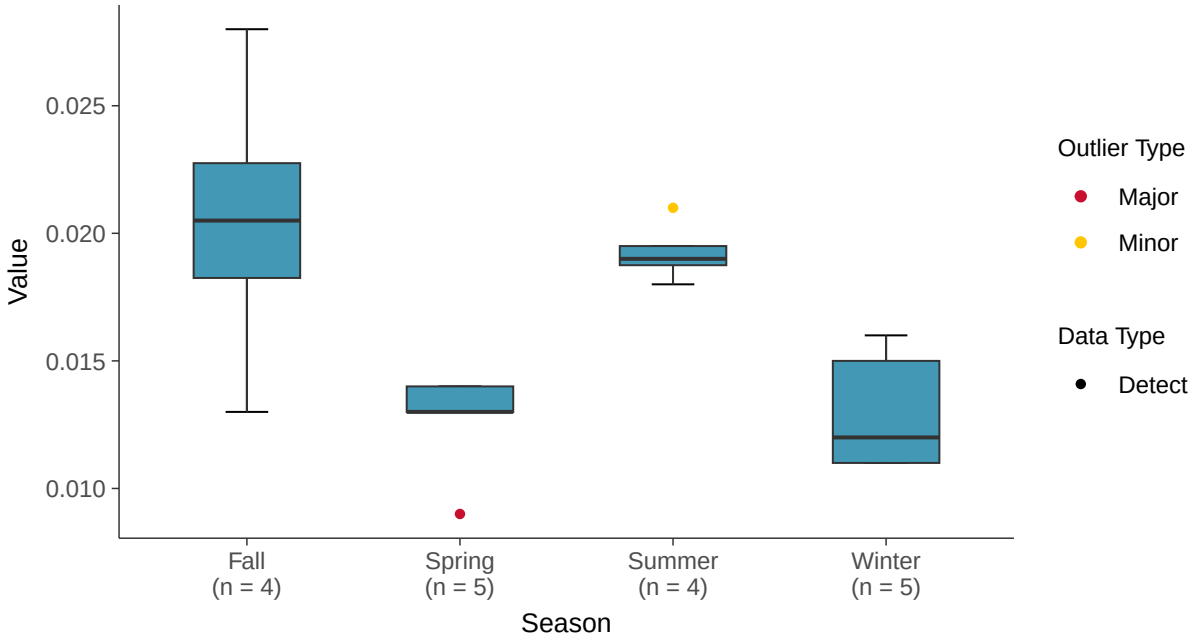
Boxplot

Molybdenum, MW-18 (mg/L)



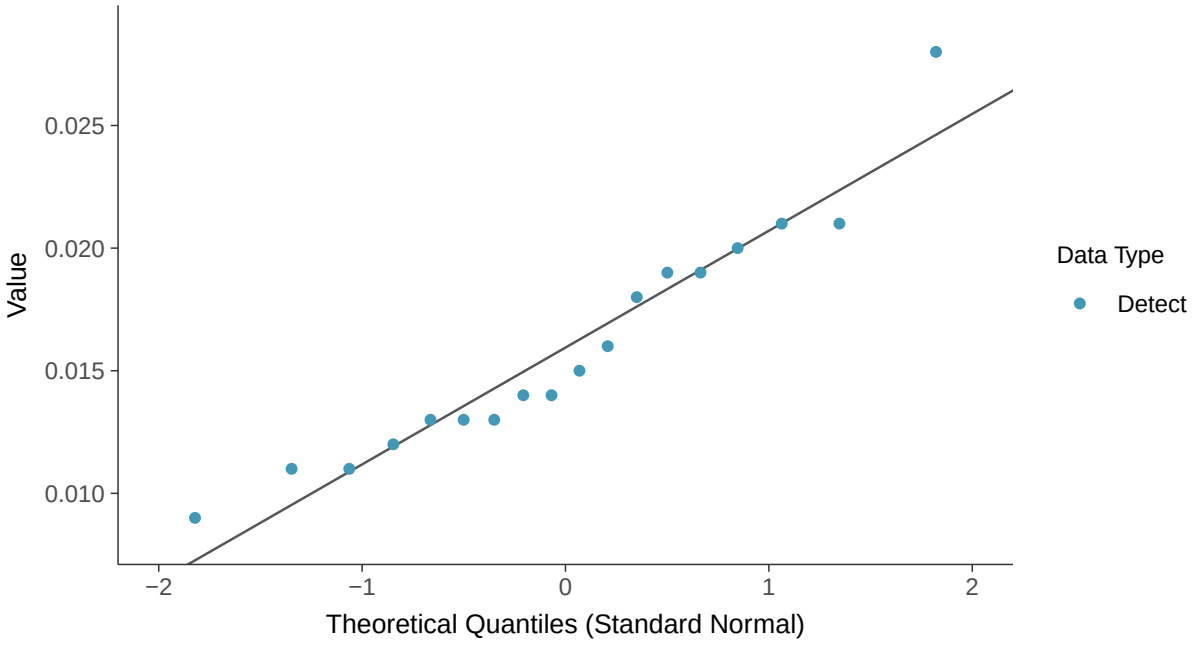
Boxplot by Season

Molybdenum, MW-18 (mg/L)



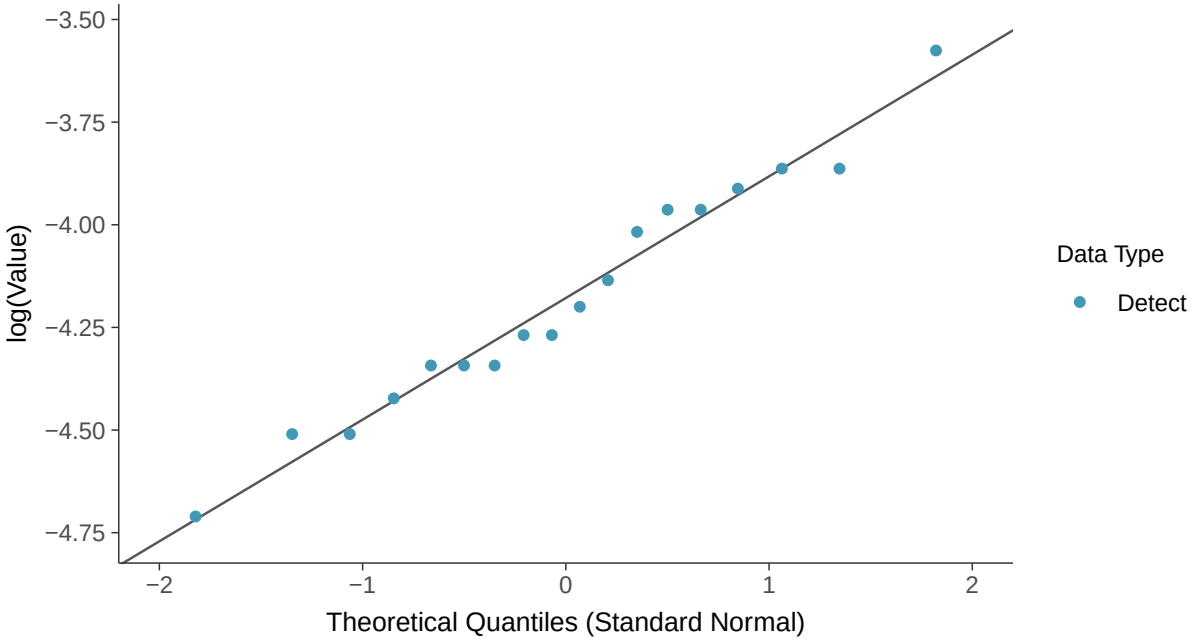
Normal Q-Q plot

Molybdenum, MW-18 (mg/L)



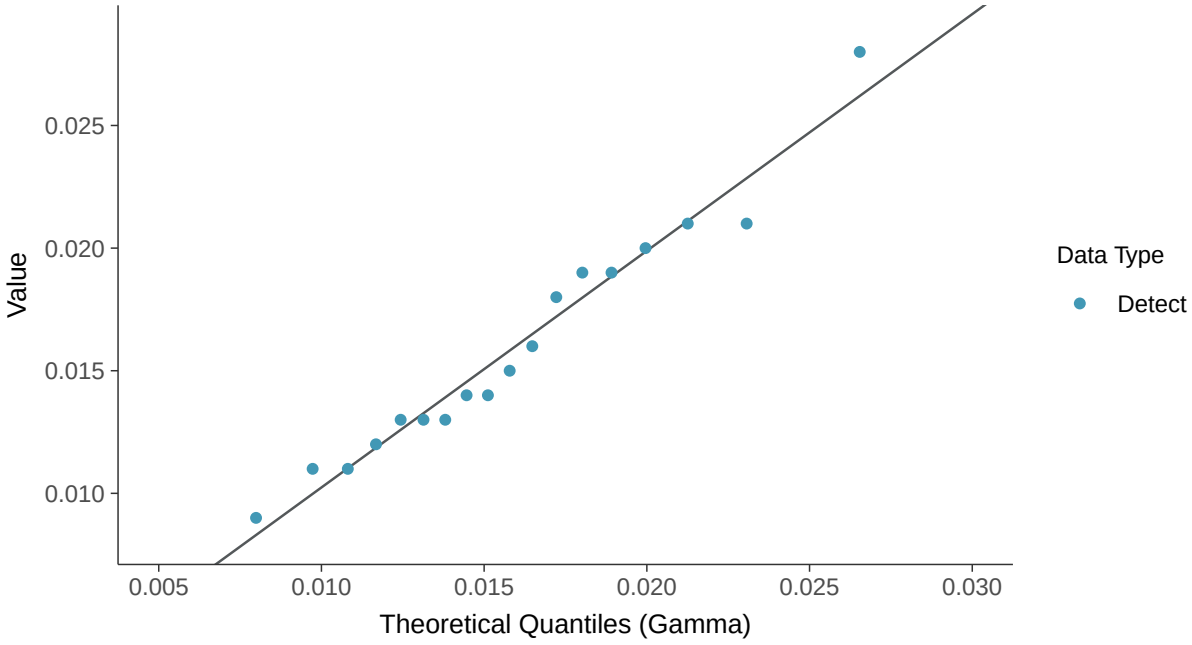
Lognormal Q-Q plot

Molybdenum, MW-18 (mg/L)



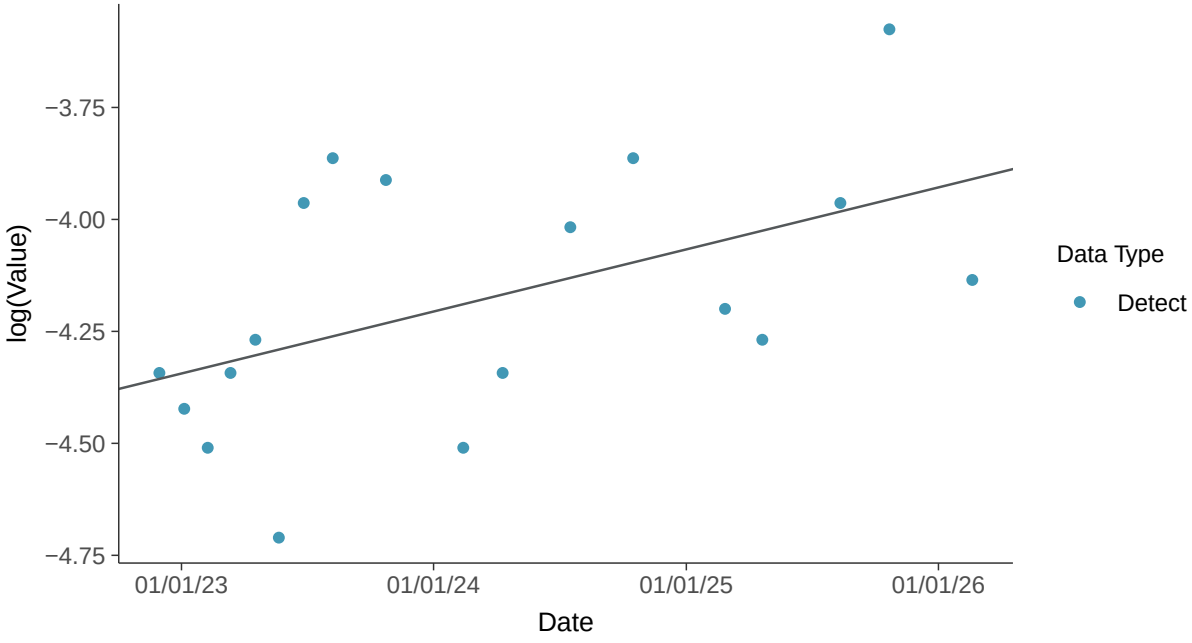
Gamma Q-Q plot

Molybdenum, MW-18 (mg/L)



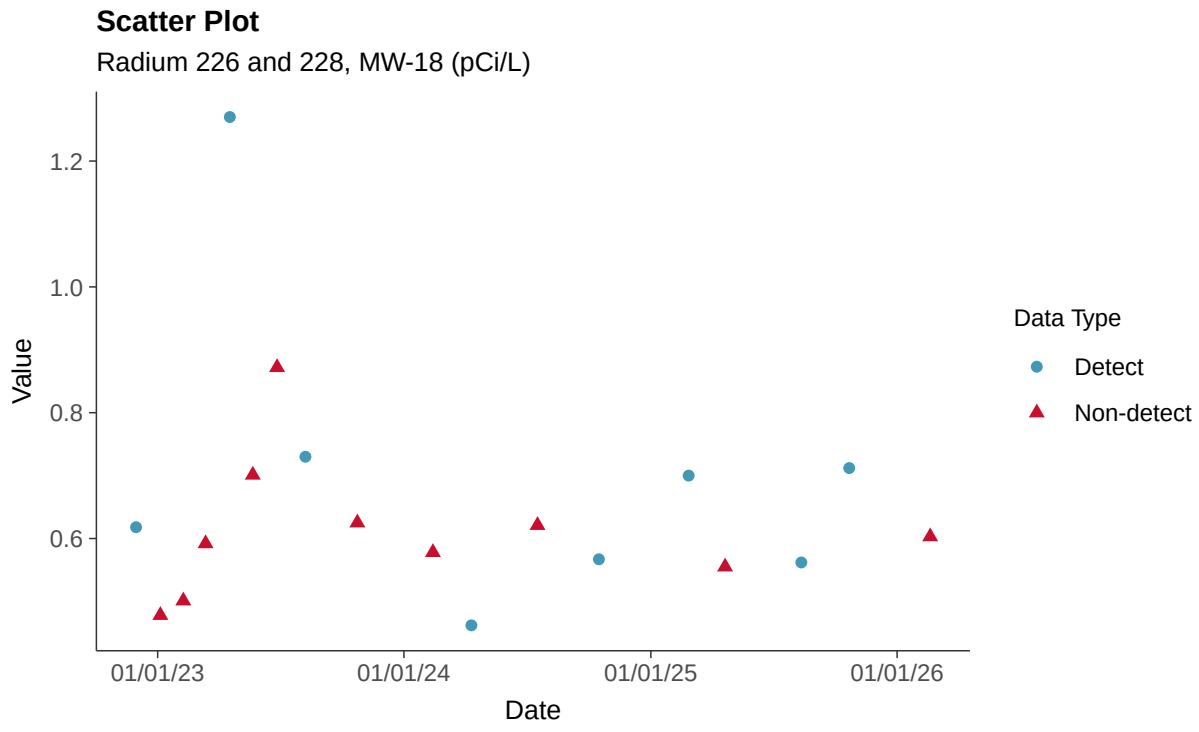
Trend Regression: Lognormal MLE

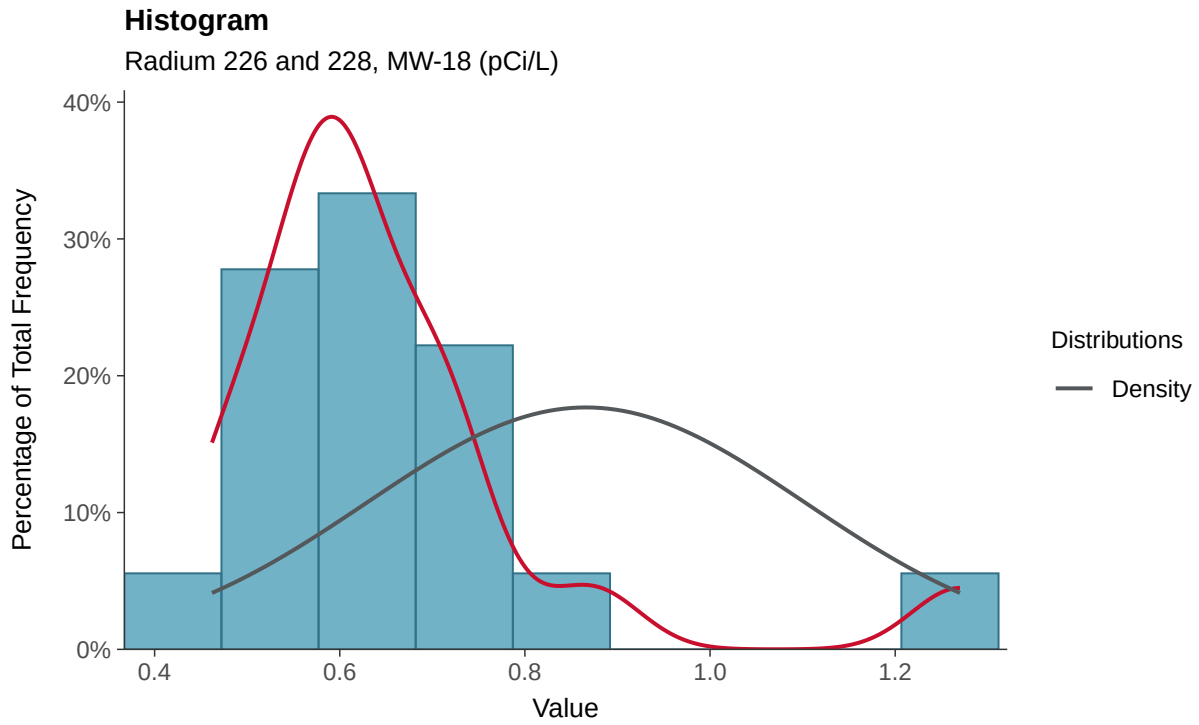
Molybdenum, MW-18 (mg/L)



Appendix IV: Radium 226 and 228, MW-18

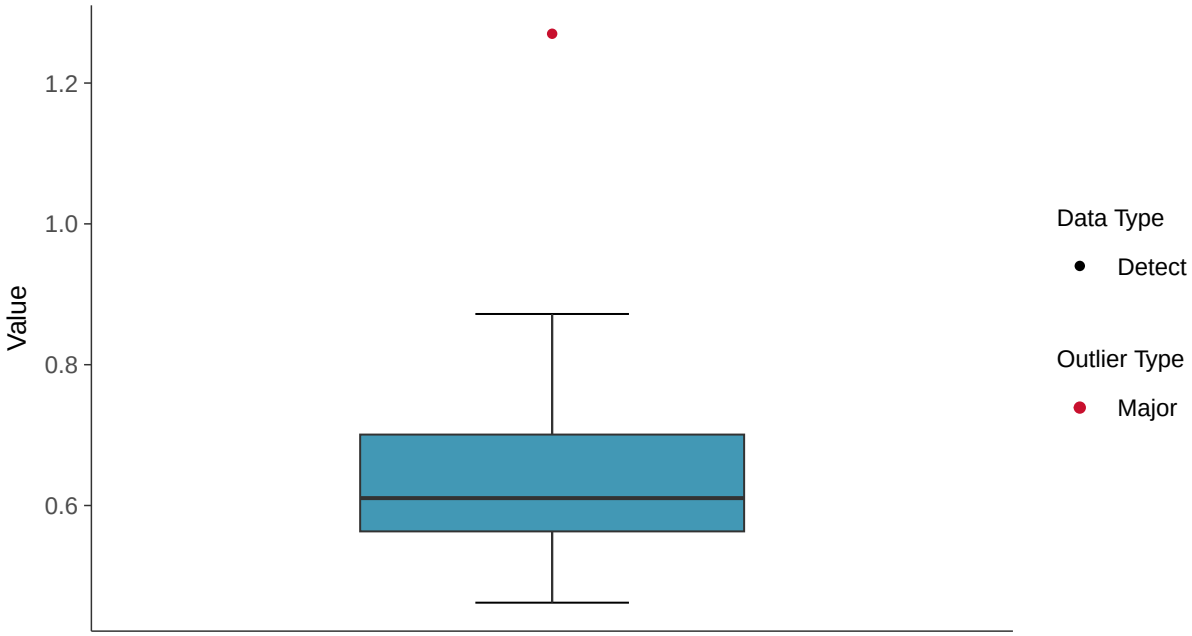
ID: 28_1_4_121





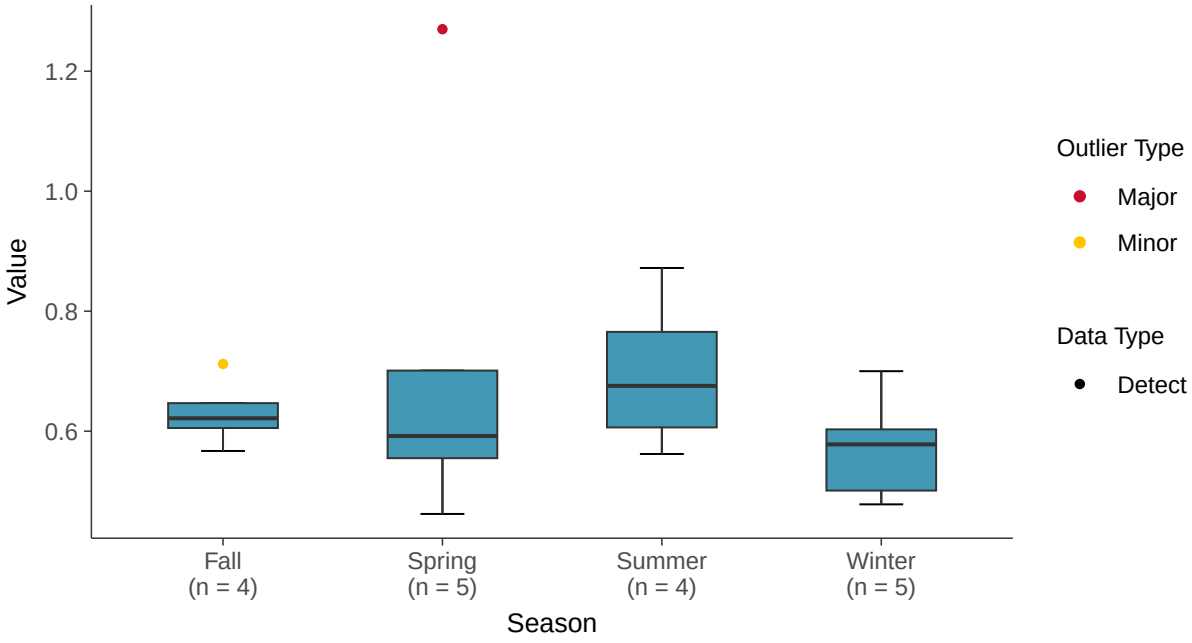
Boxplot

Radium 226 and 228, MW-18 (pCi/L)



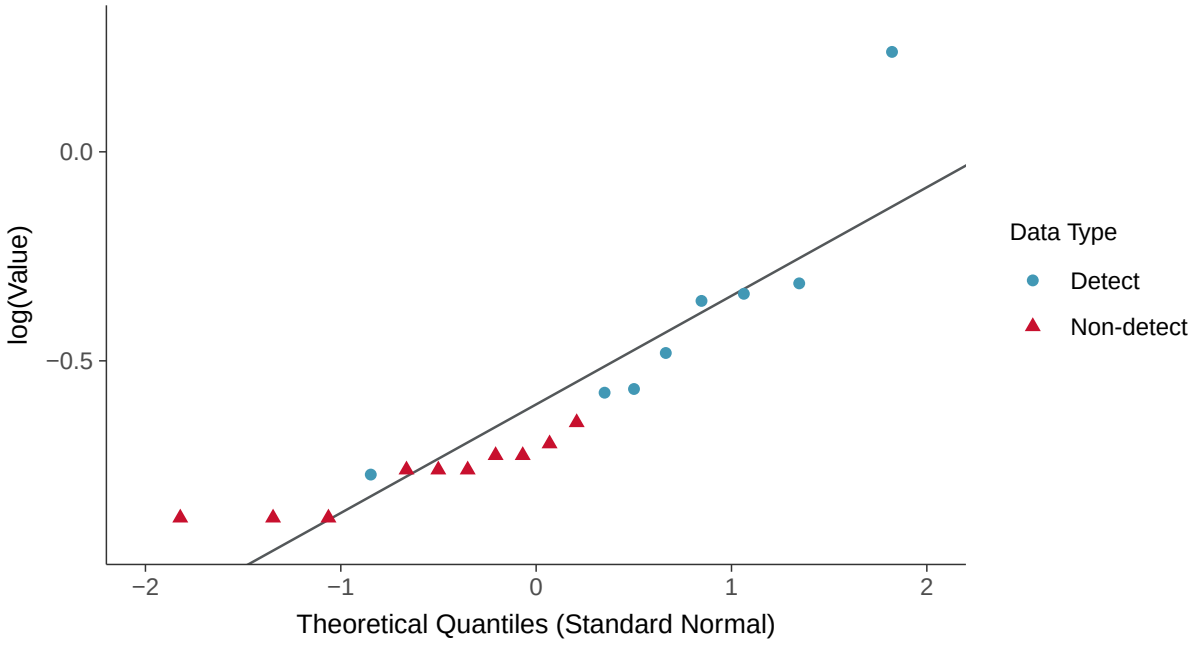
Boxplot by Season

Radium 226 and 228, MW-18 (pCi/L)



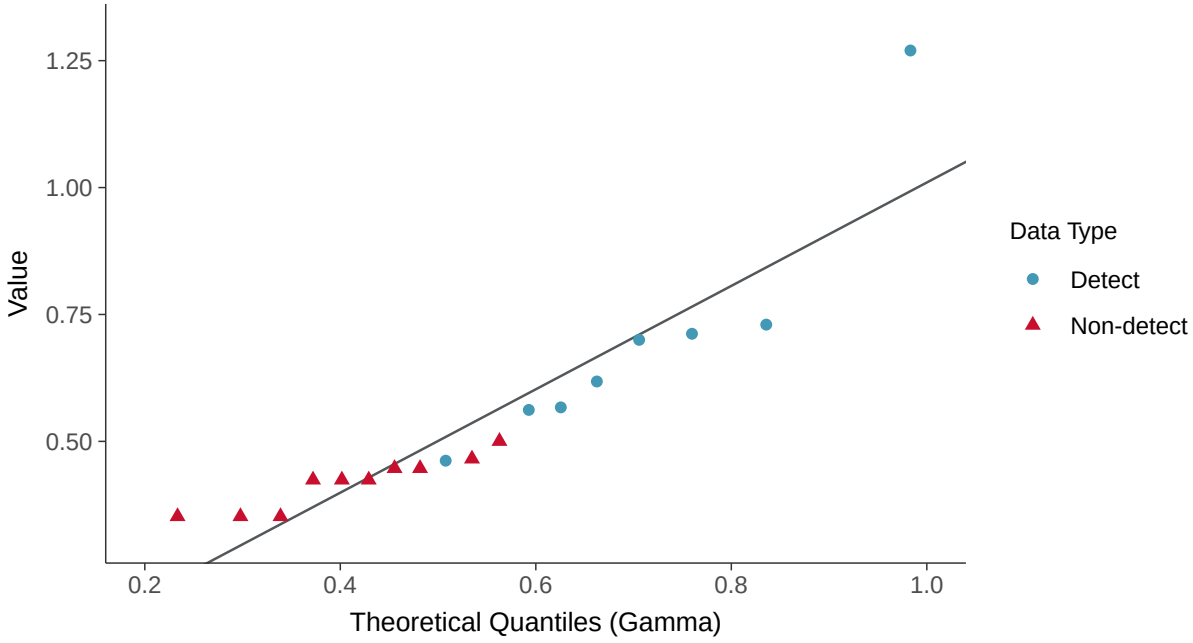
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-18 (pCi/L)



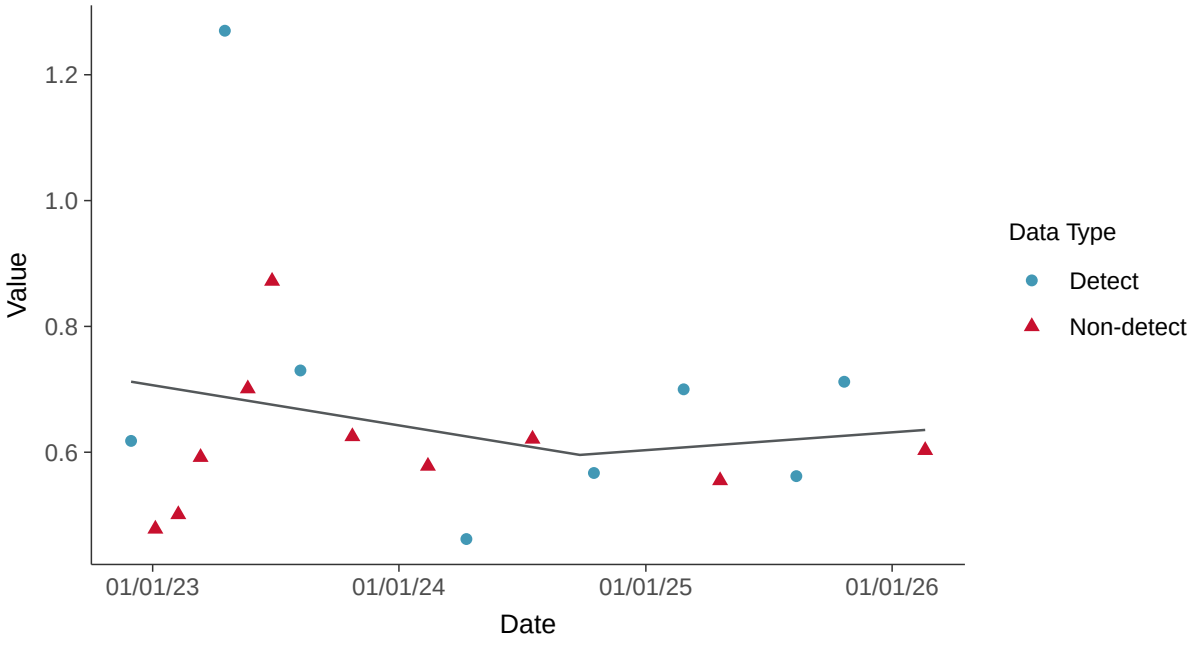
Gamma Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-18 (pCi/L)



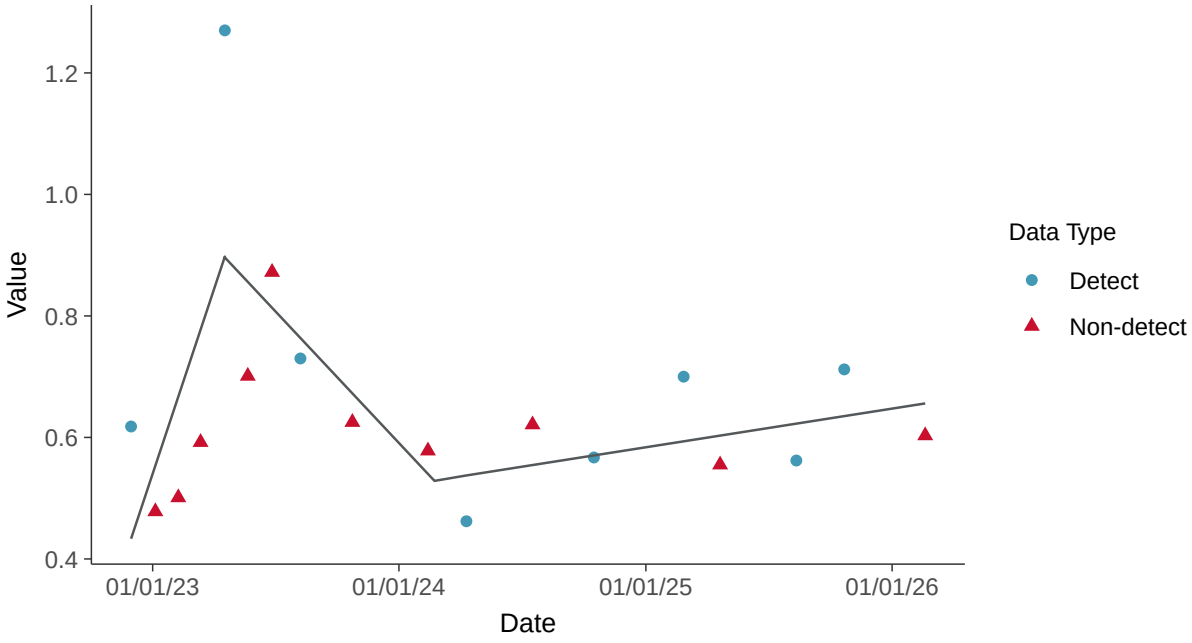
Trend Regression: Piecewise Linear-Linear

Radium 226 and 228, MW-18 (pCi/L)



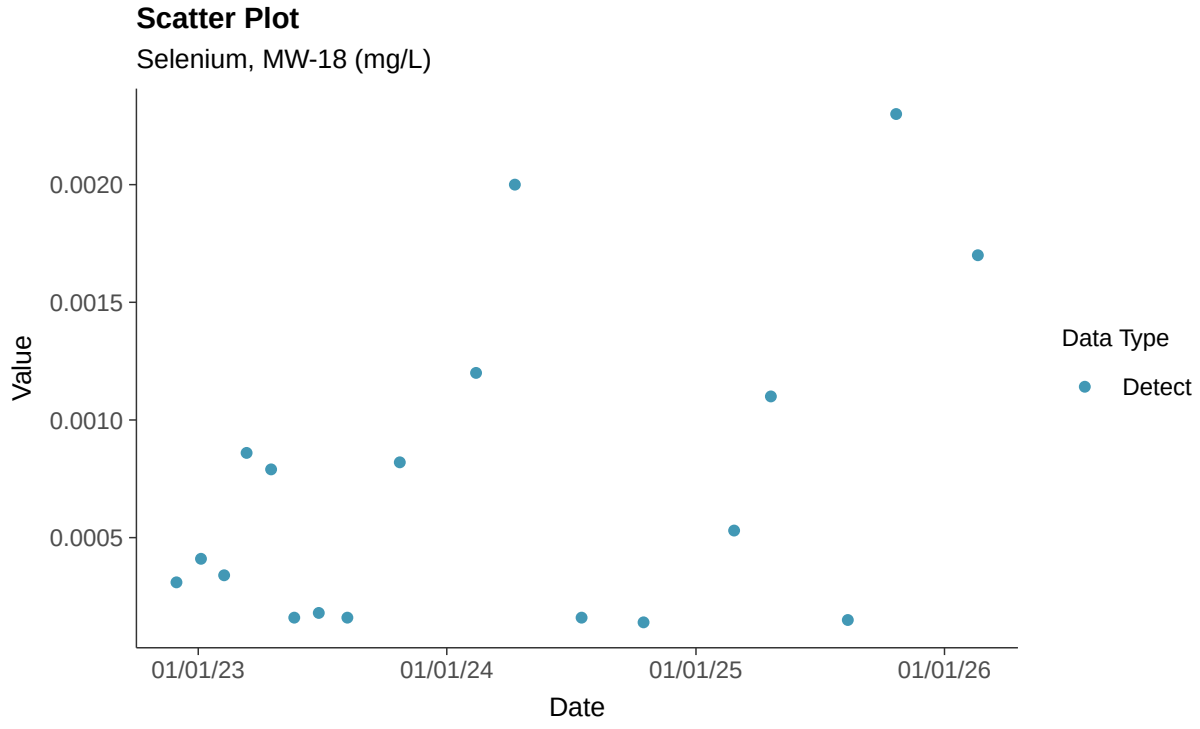
Trend Regression: Piecewise Linear-Linear-Linear

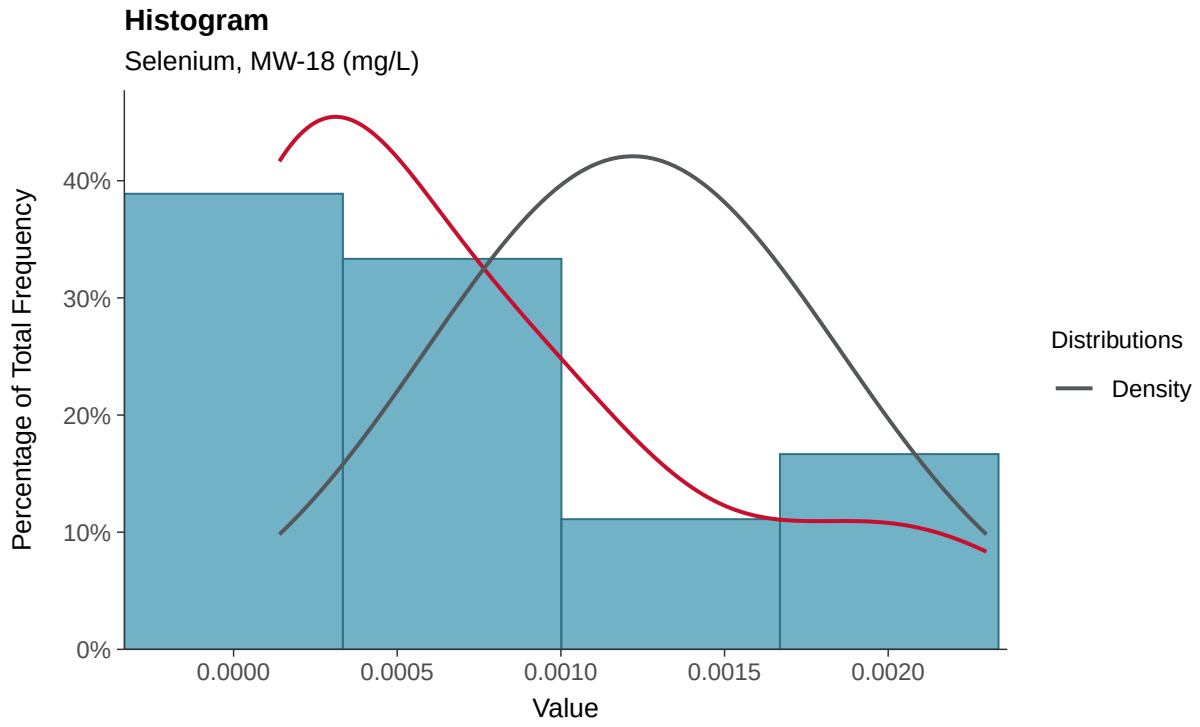
Radium 226 and 228, MW-18 (pCi/L)



Appendix IV: Selenium, MW-18

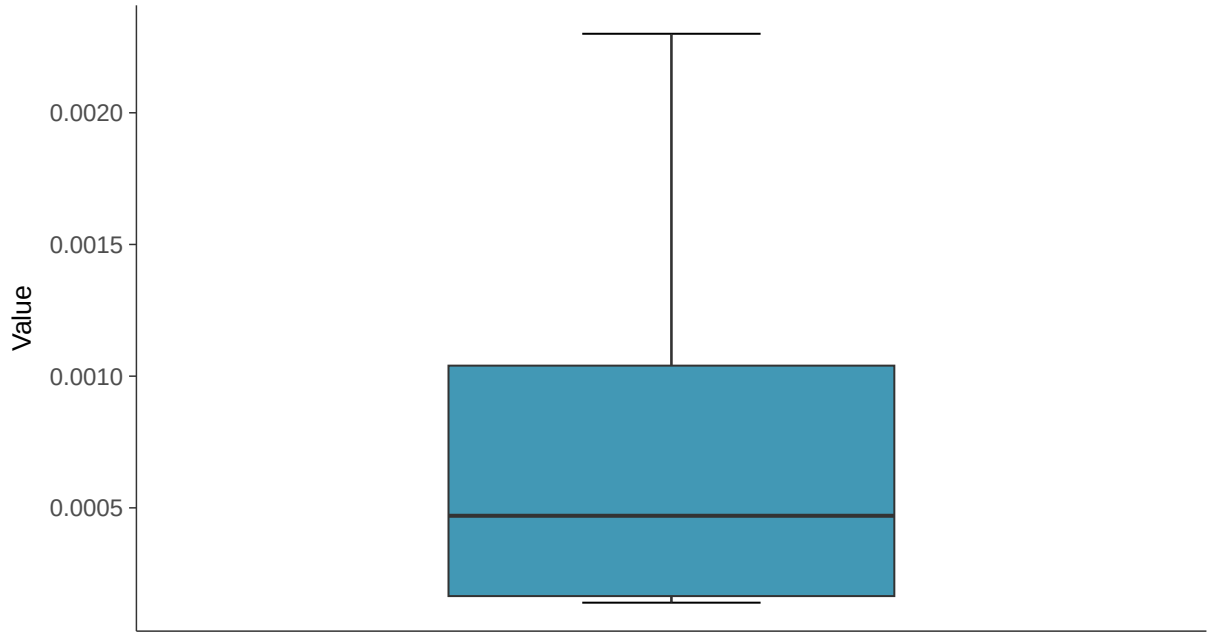
ID: 28_1_4_122





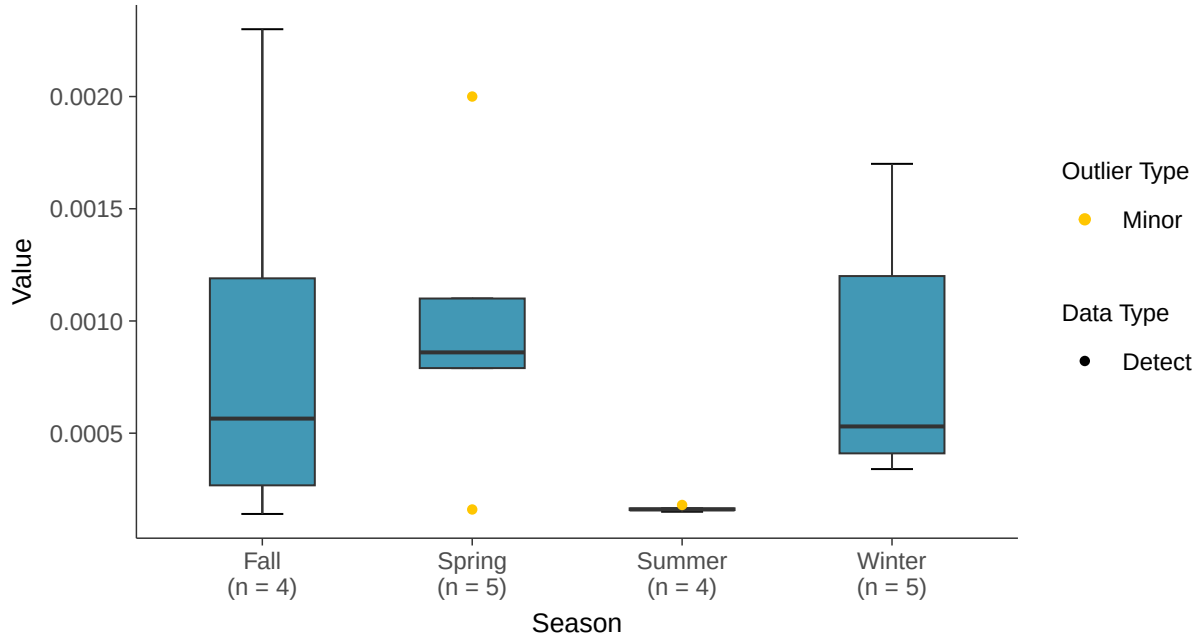
Boxplot

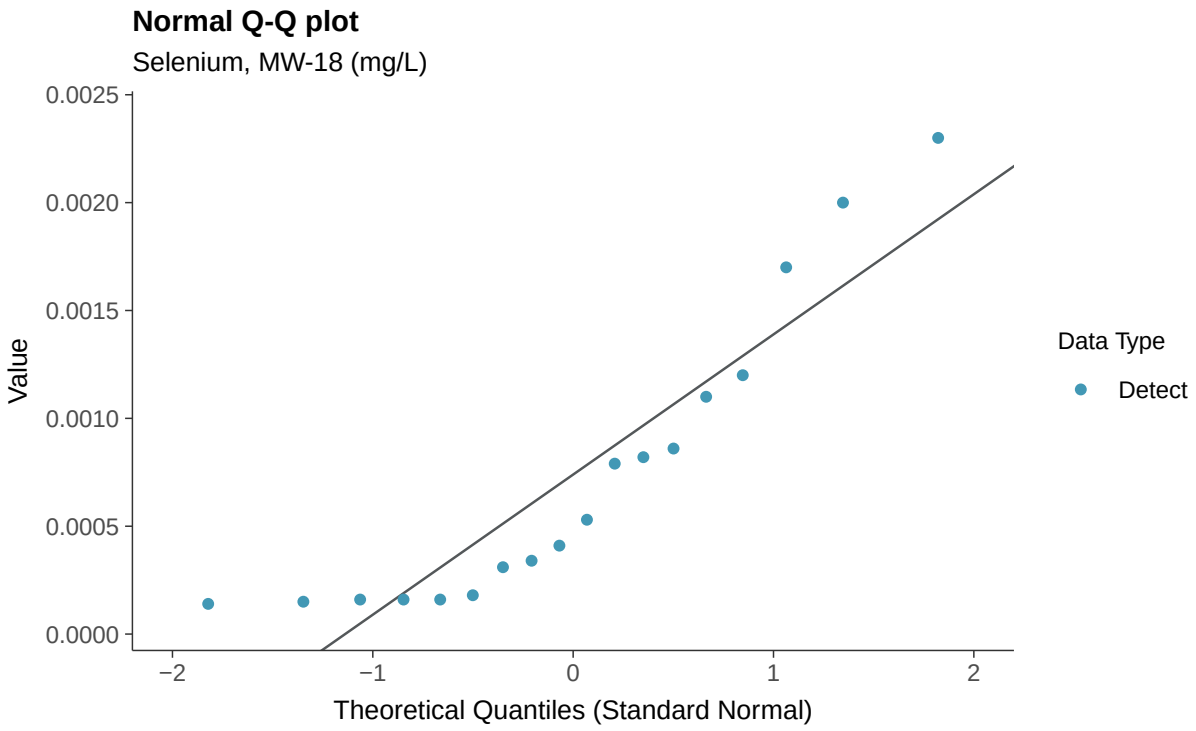
Selenium, MW-18 (mg/L)

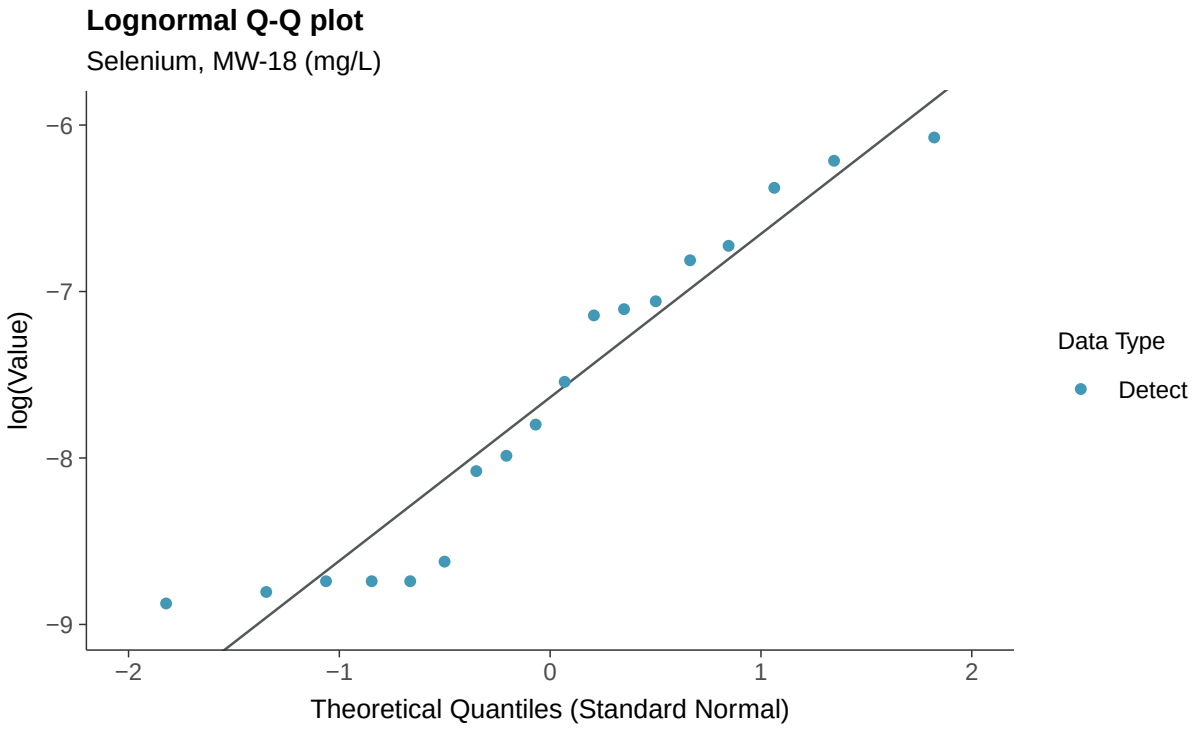


Boxplot by Season

Selenium, MW-18 (mg/L)

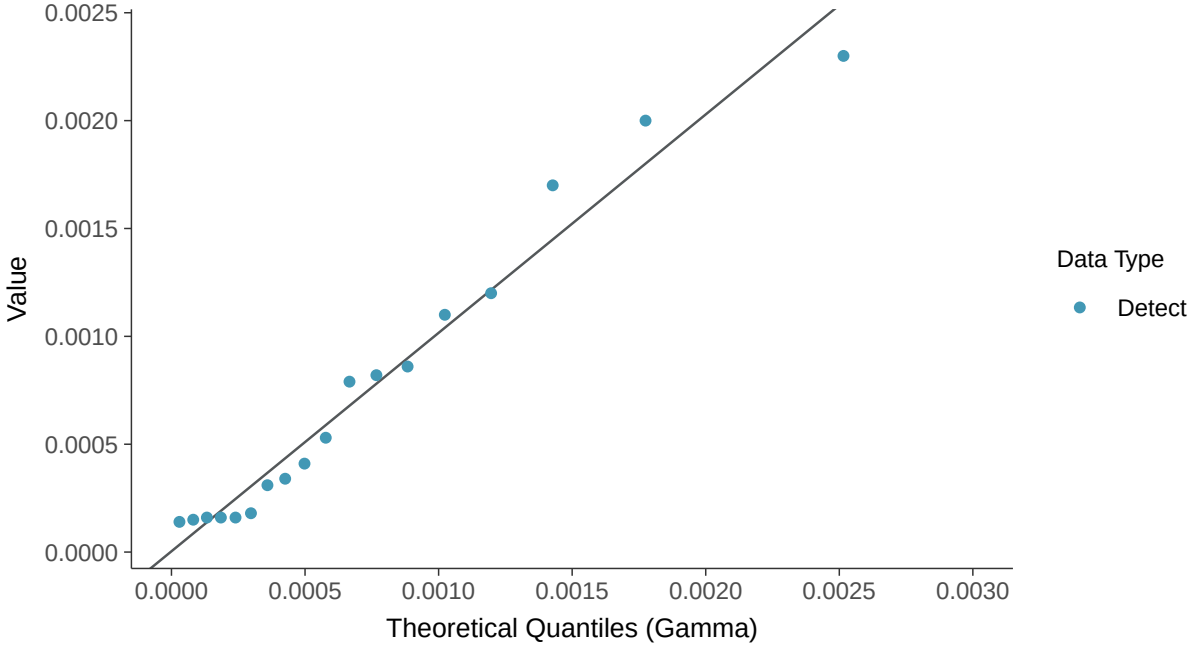



Normal Q-Q plot
Selenium, MW-18 (mg/L)
Value
0.0025
0.0020
0.0015
0.0010
0.0005
0.0000
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Selenium, MW-18 (mg/L)
log(Value)
−6
−7
−8
−9
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

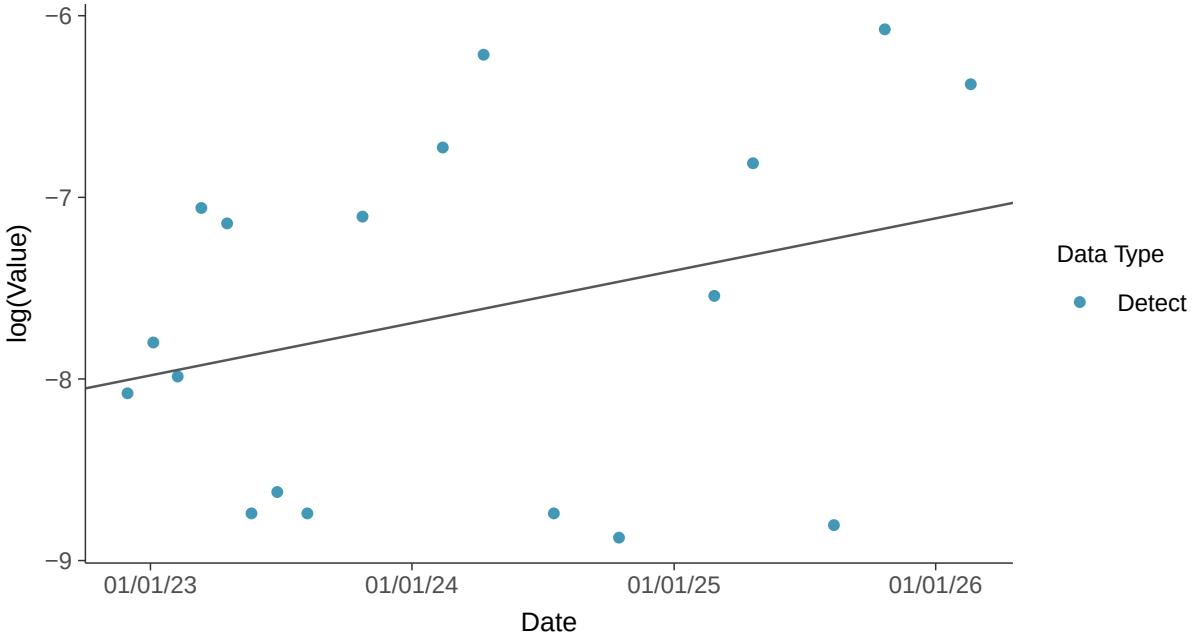
Gamma Q-Q plot

Selenium, MW-18 (mg/L)



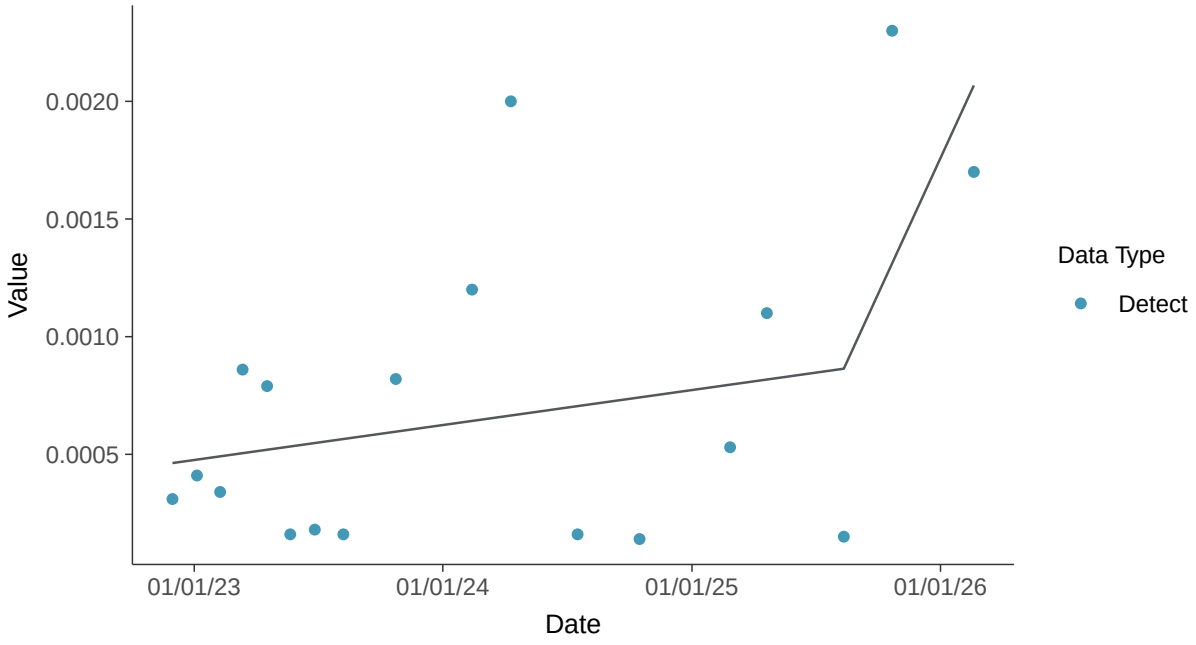
Trend Regression: Lognormal MLE

Selenium, MW-18 (mg/L)



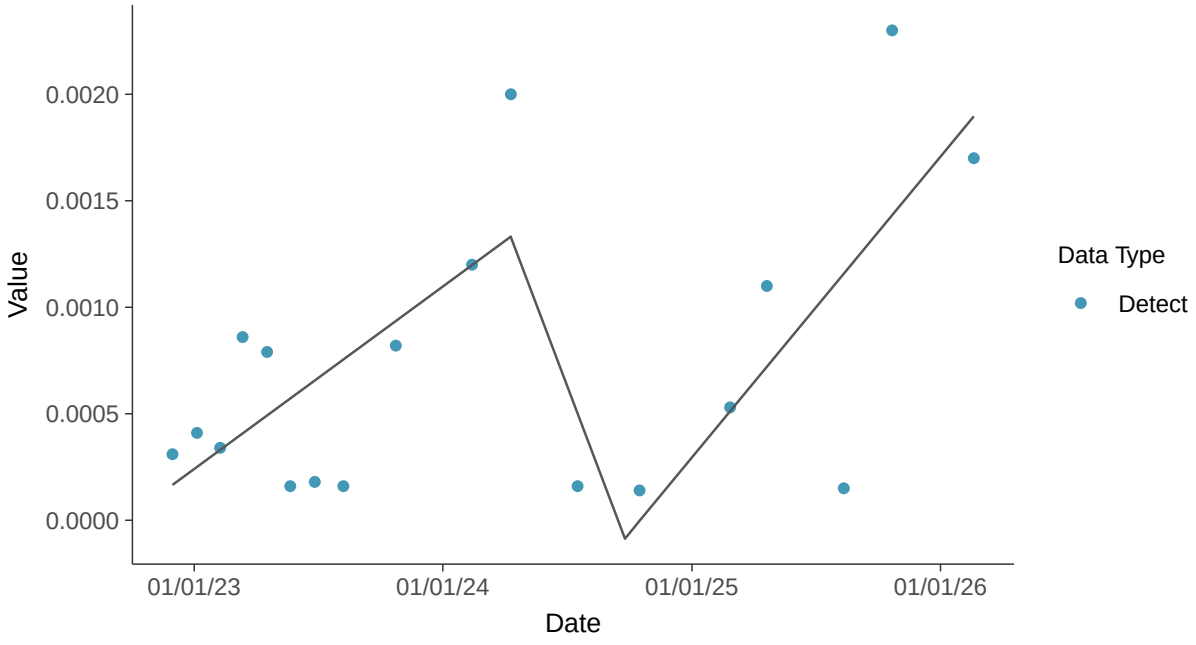
Trend Regression: Piecewise Linear-Linear

Selenium, MW-18 (mg/L)



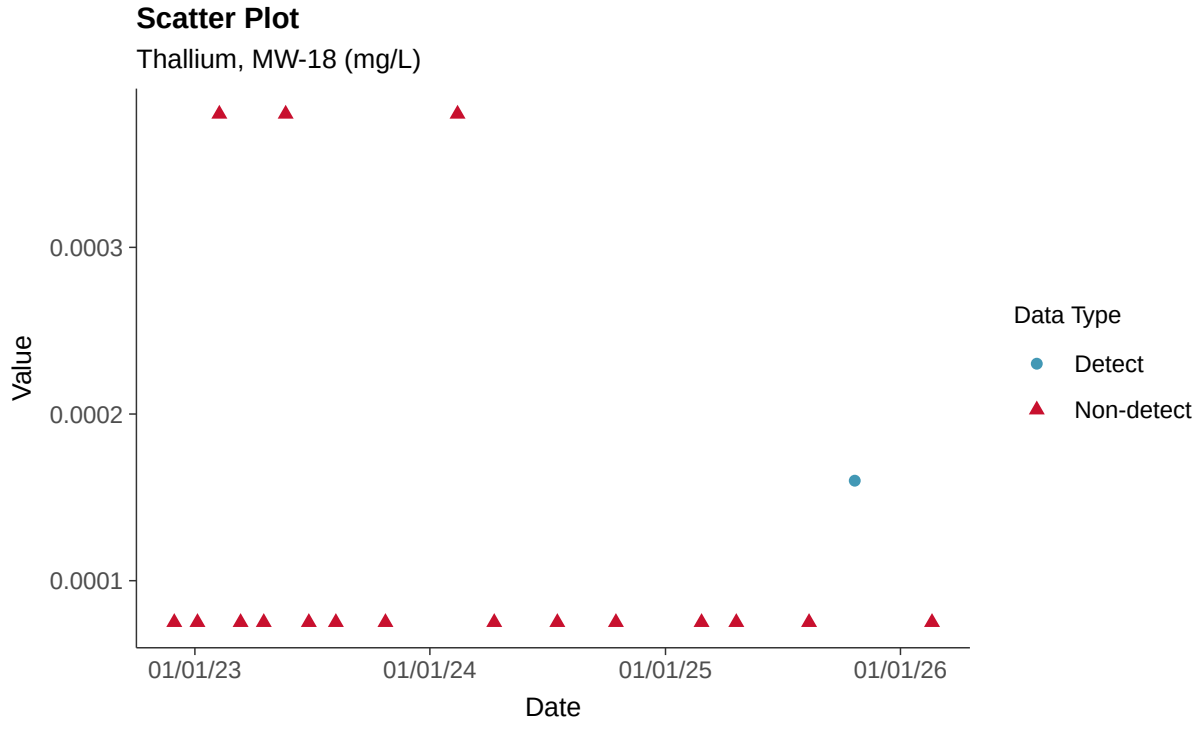
Trend Regression: Piecewise Linear-Linear-Linear

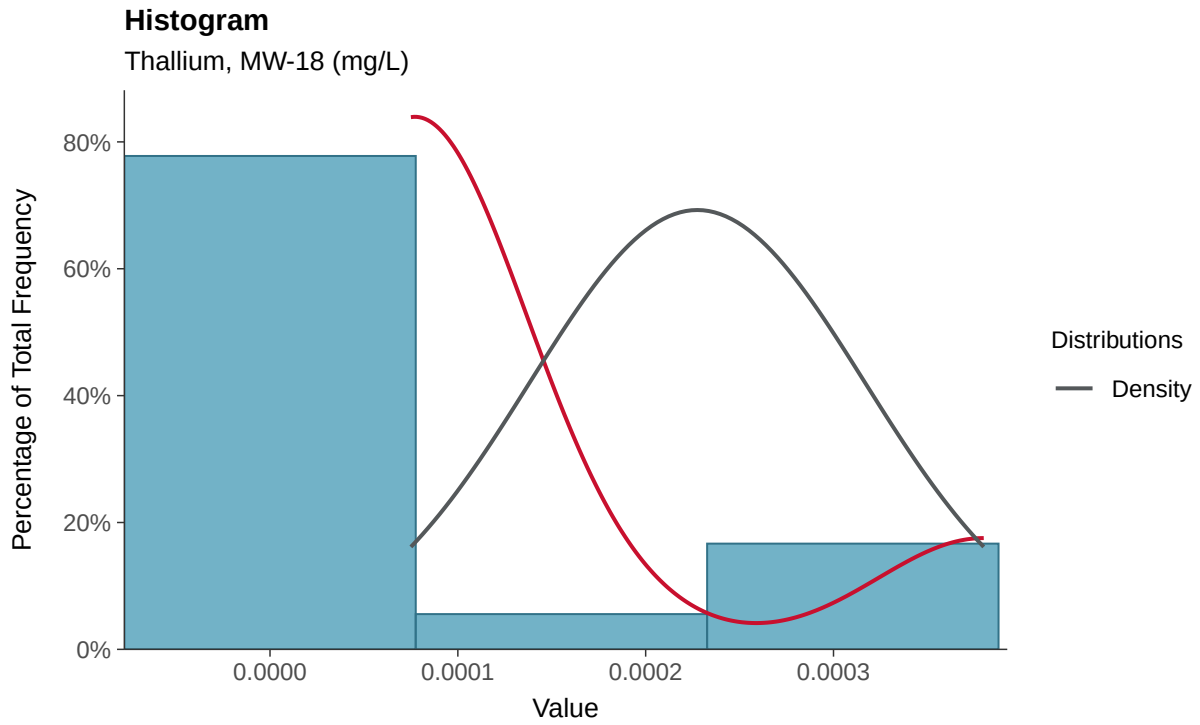
Selenium, MW-18 (mg/L)



Appendix IV: Thallium, MW-18

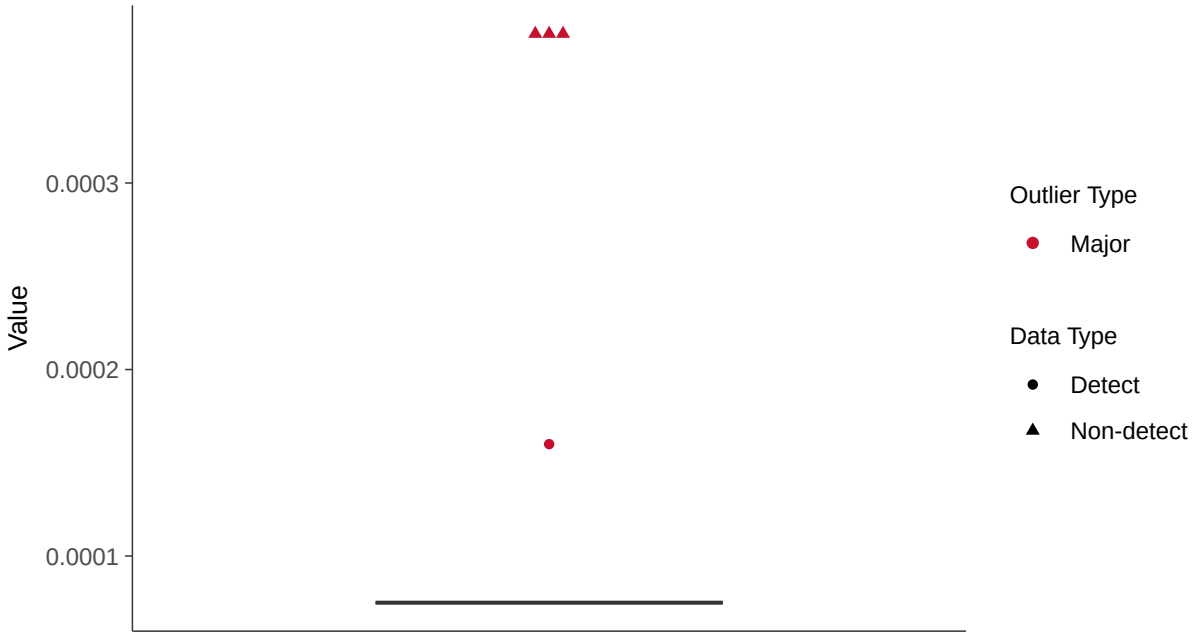
ID: 28_1_4_125





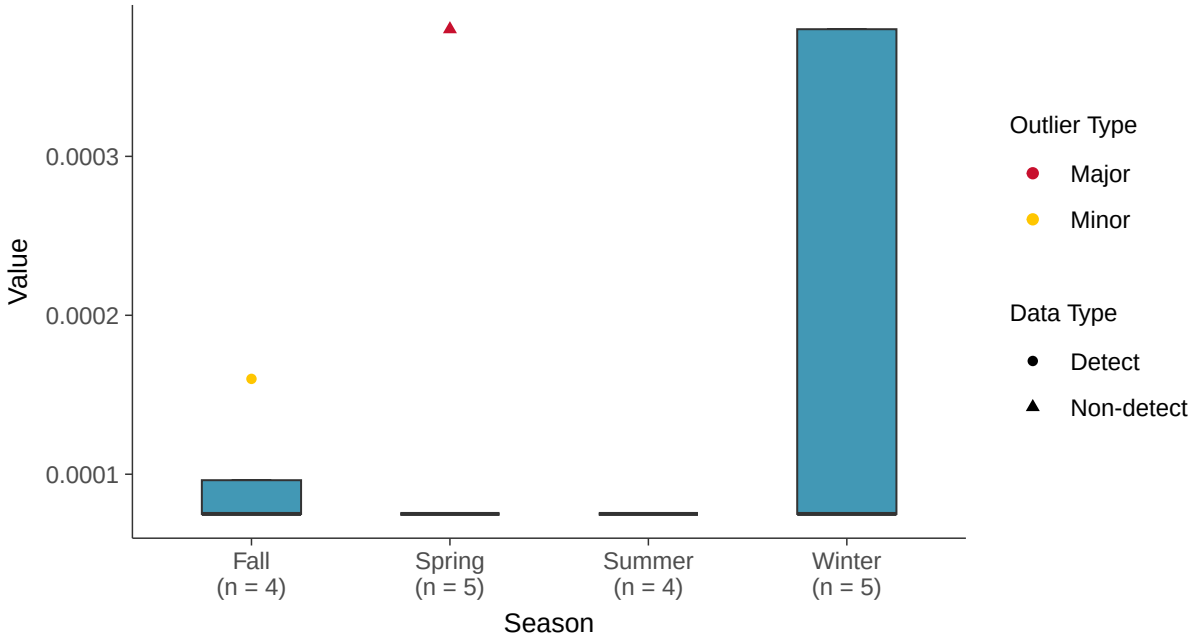
Boxplot

Thallium, MW-18 (mg/L)



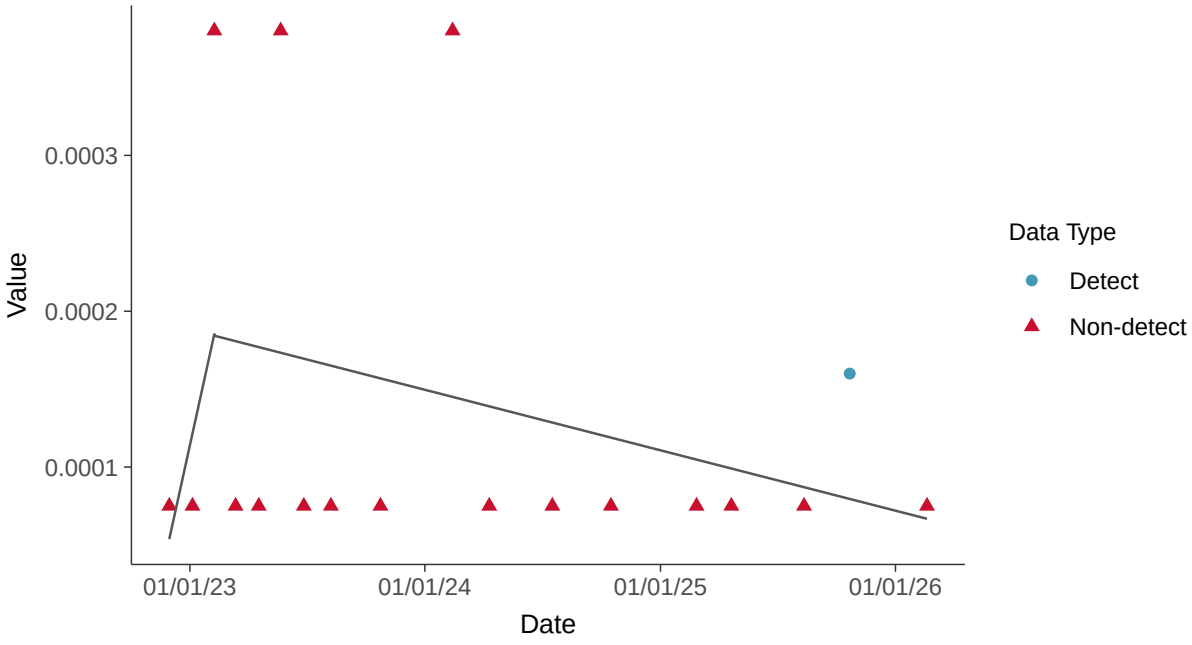
Boxplot by Season

Thallium, MW-18 (mg/L)



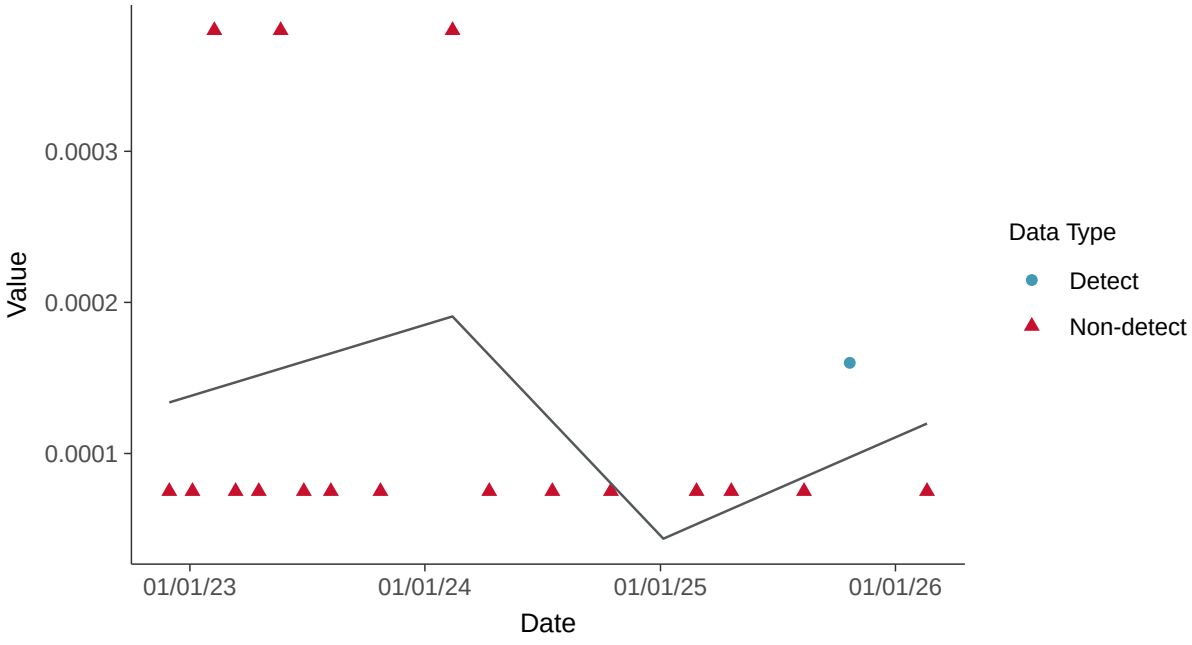
Trend Regression: Piecewise Linear-Linear

Thallium, MW-18 (mg/L)



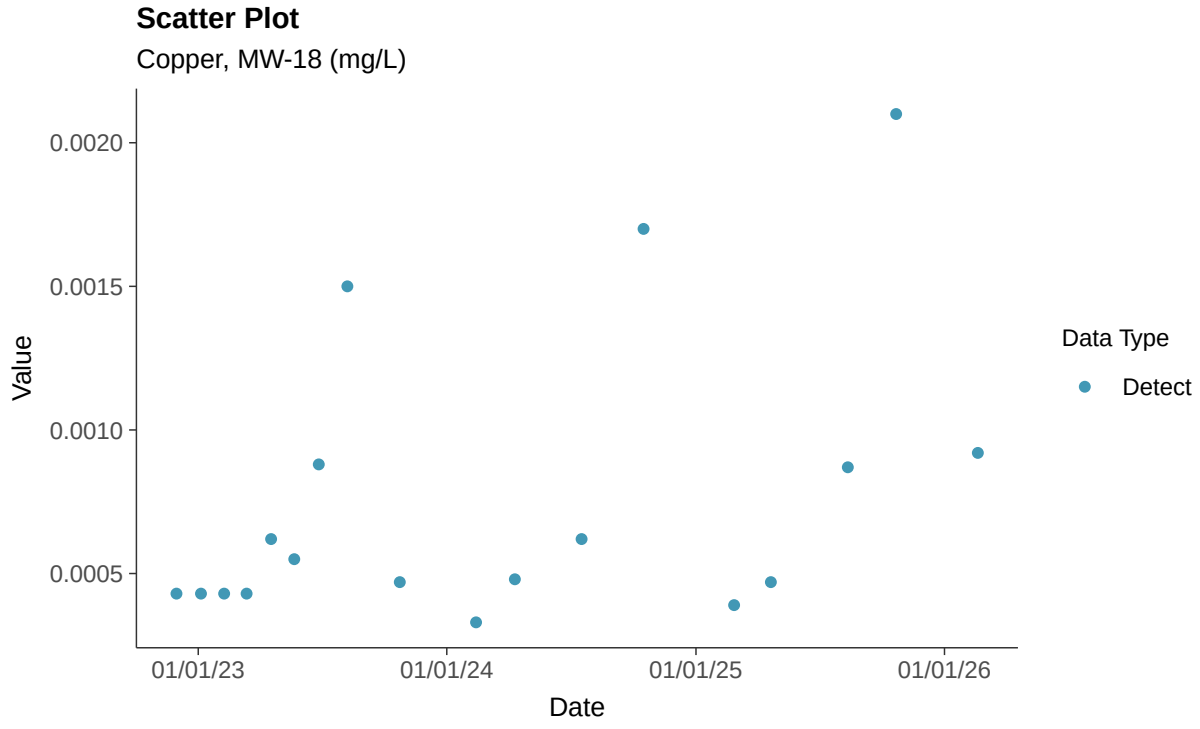
Trend Regression: Piecewise Linear-Linear-Linear

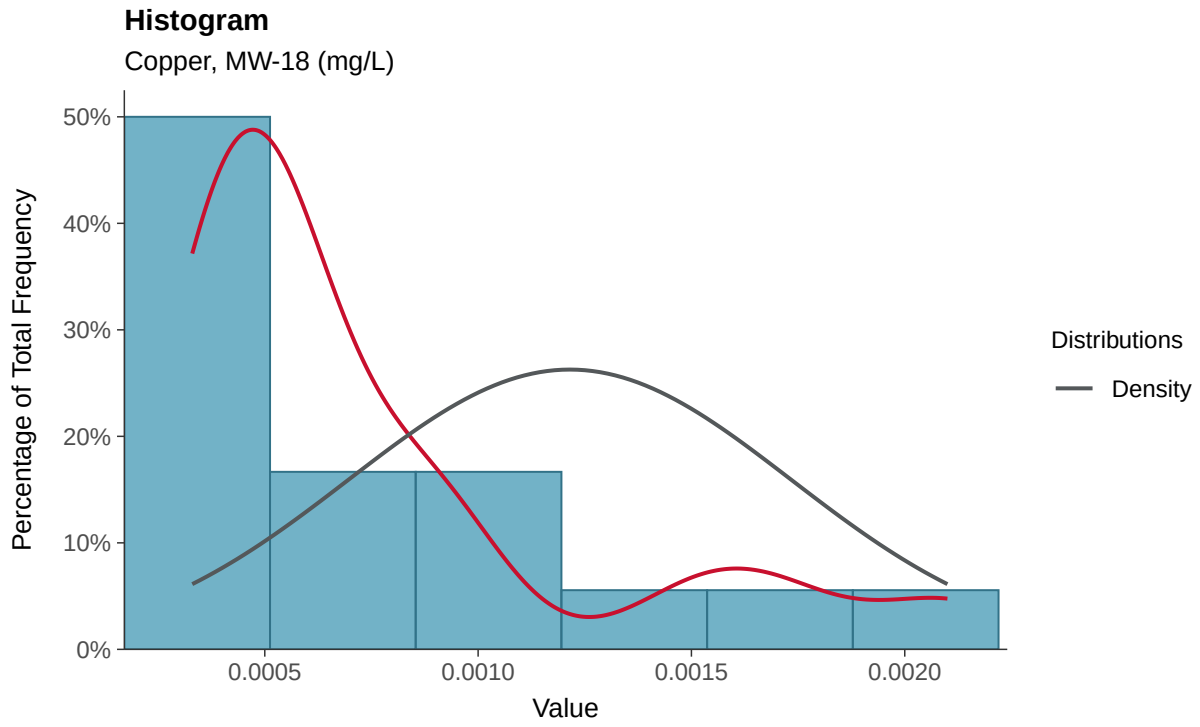
Thallium, MW-18 (mg/L)



Part 115: Copper, MW-18

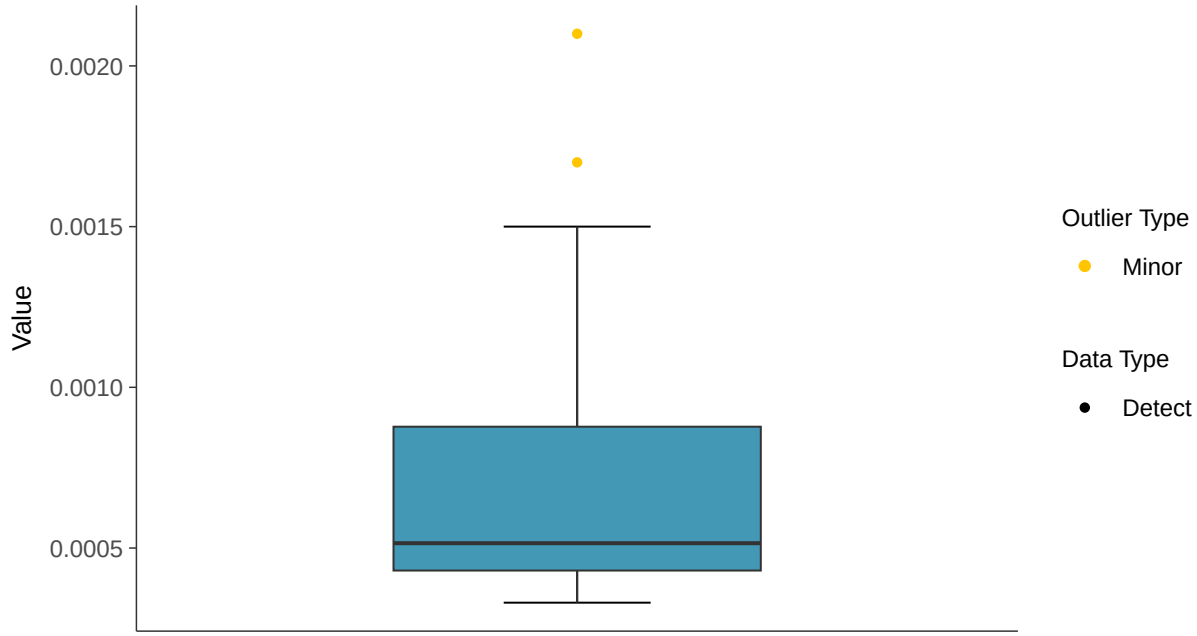
ID: 28_1_5_111





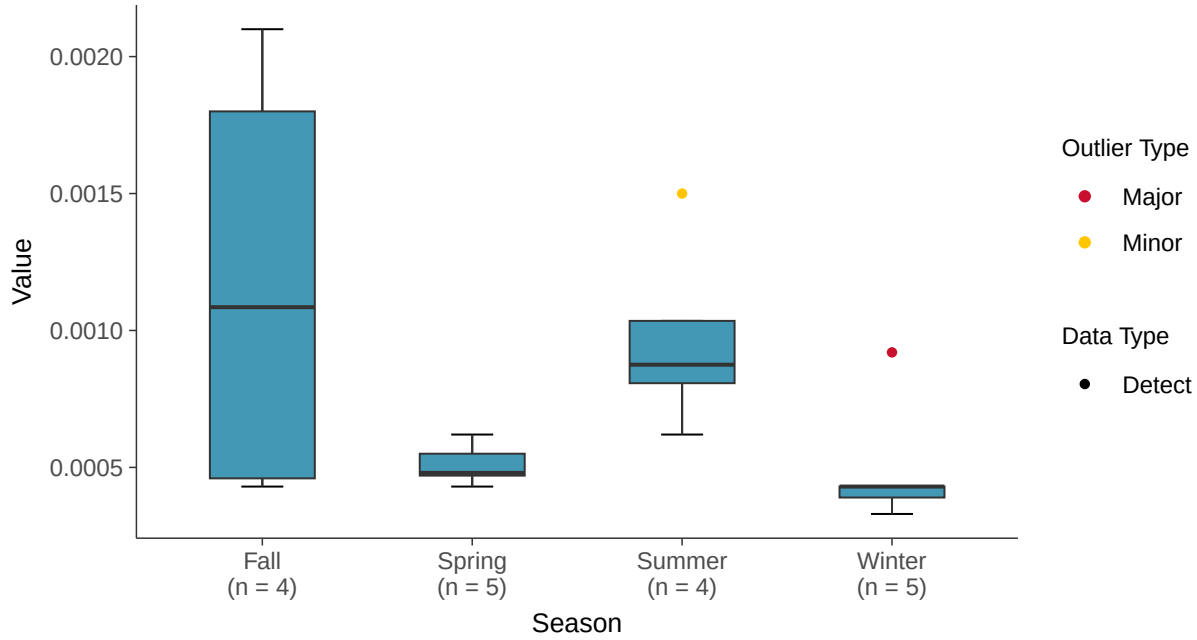
Boxplot

Copper, MW-18 (mg/L)



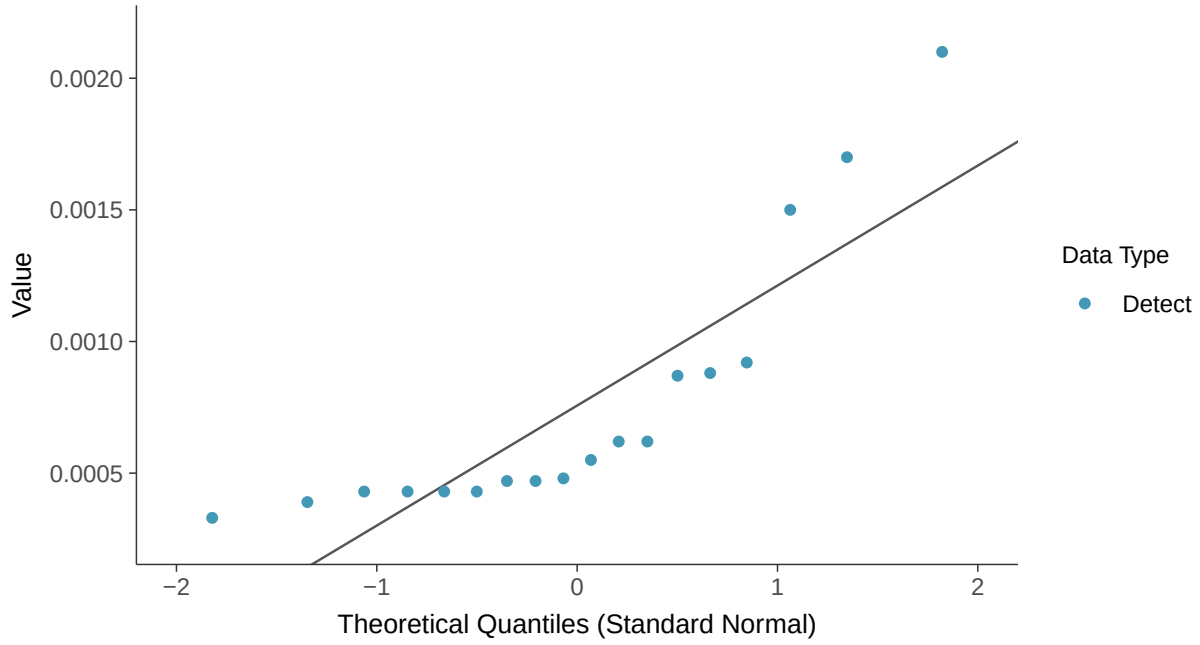
Boxplot by Season

Copper, MW-18 (mg/L)



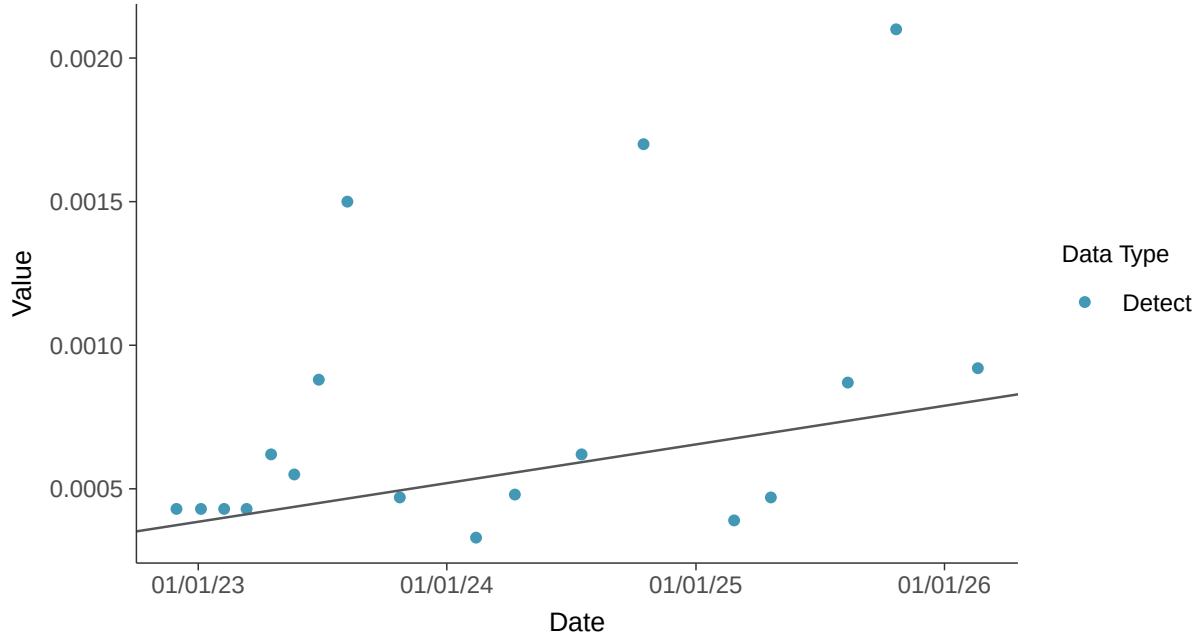
Normal Q-Q plot

Copper, MW-18 (mg/L)



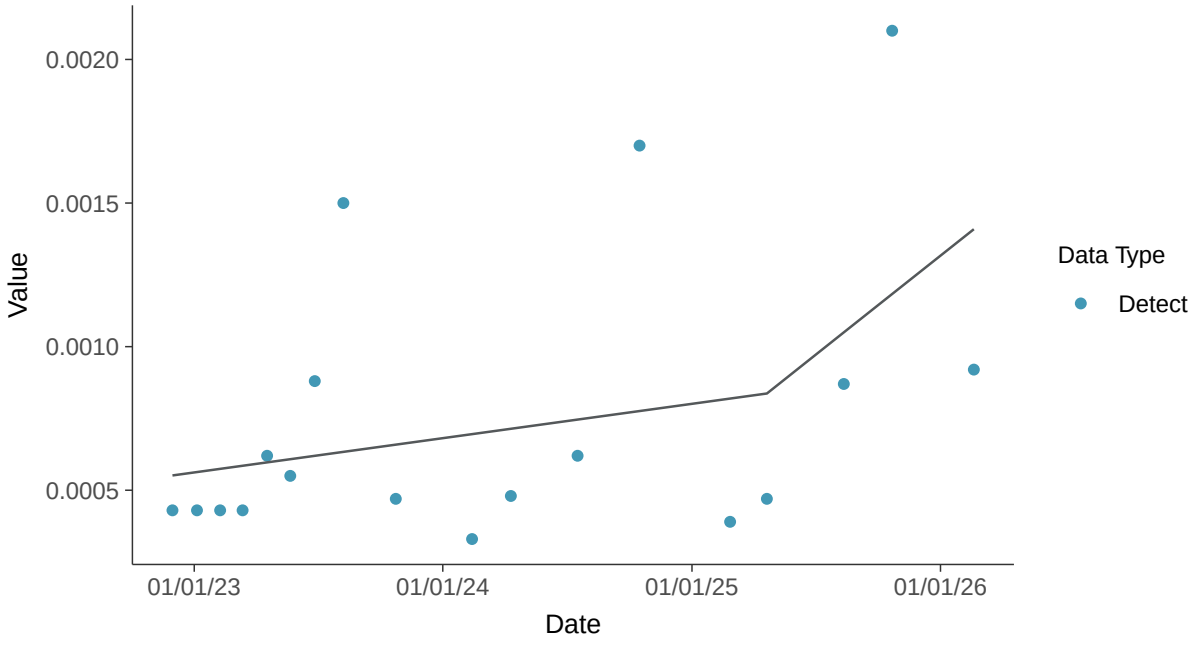
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Copper, MW-18 (mg/L)



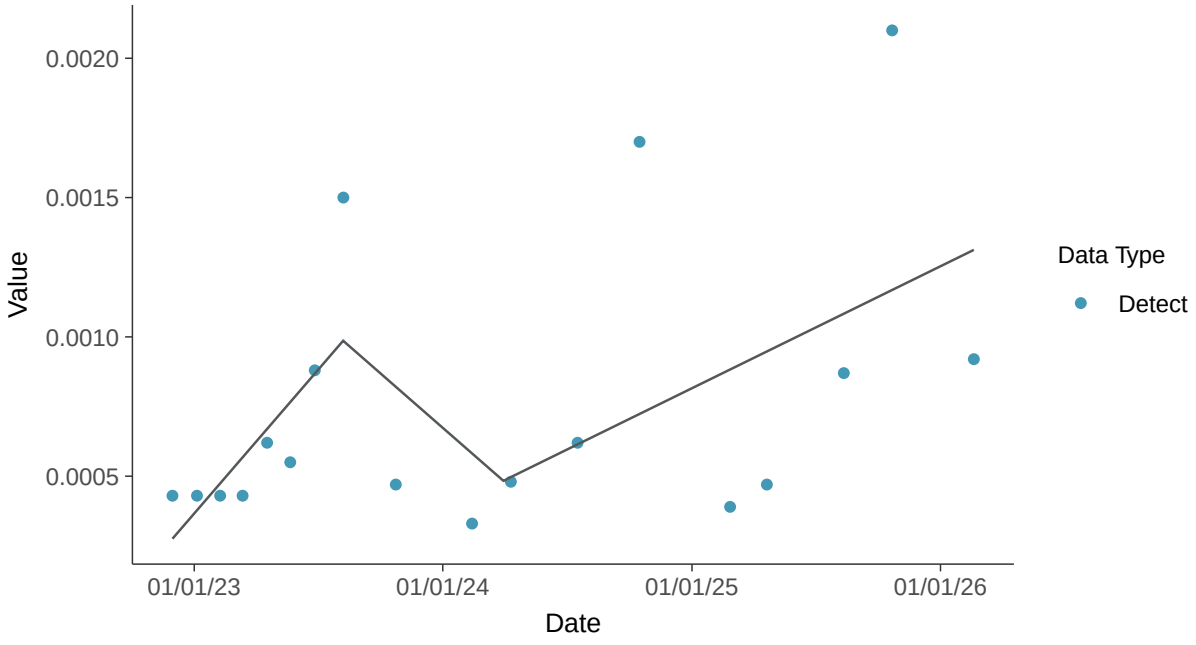
Trend Regression: Piecewise Linear-Linear

Copper, MW-18 (mg/L)



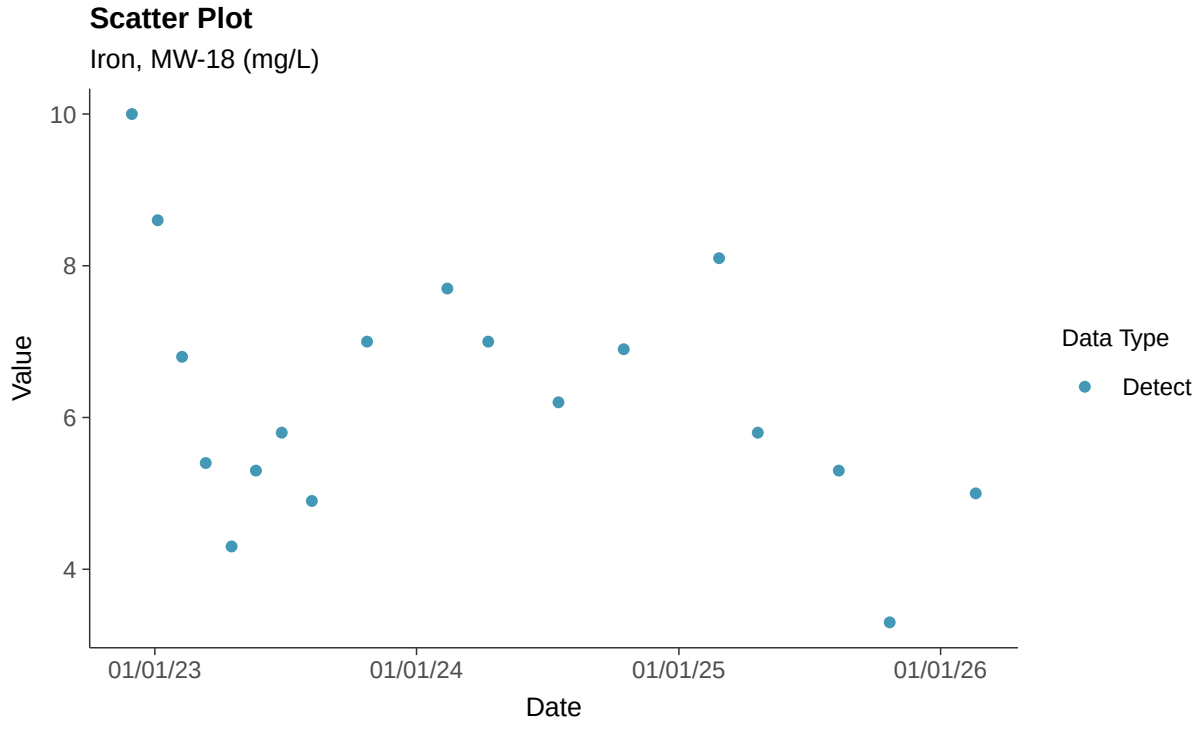
Trend Regression: Piecewise Linear-Linear-Linear

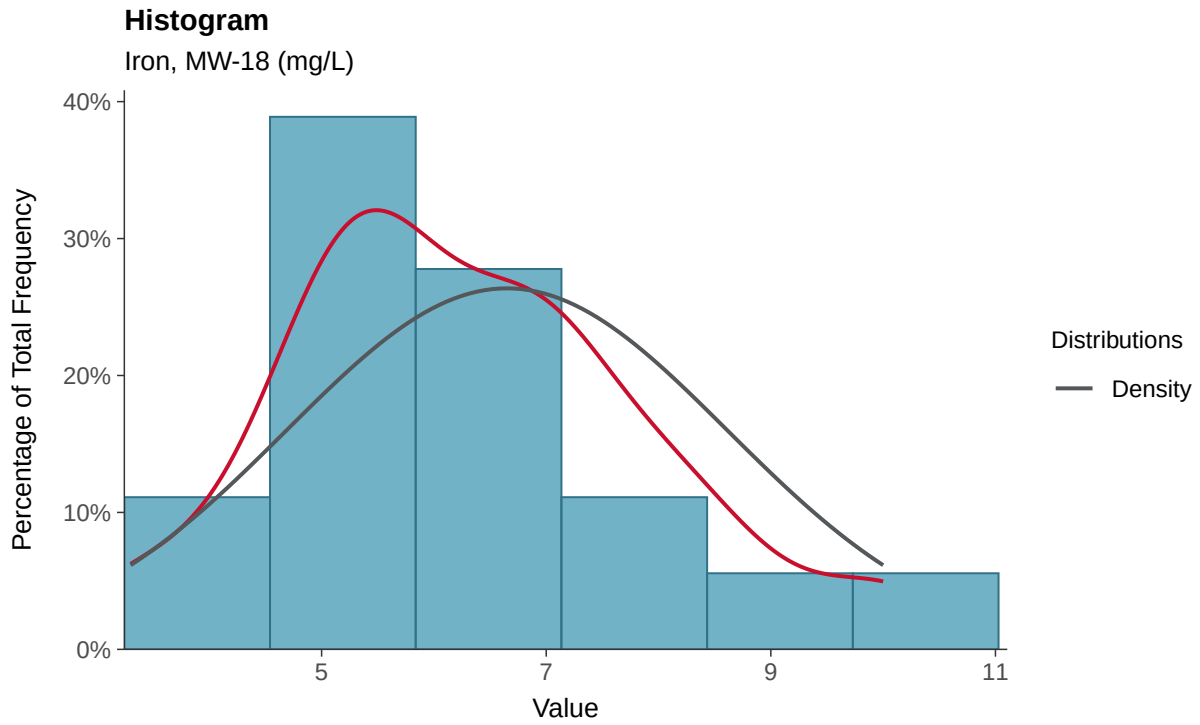
Copper, MW-18 (mg/L)



Part 115: Iron, MW-18

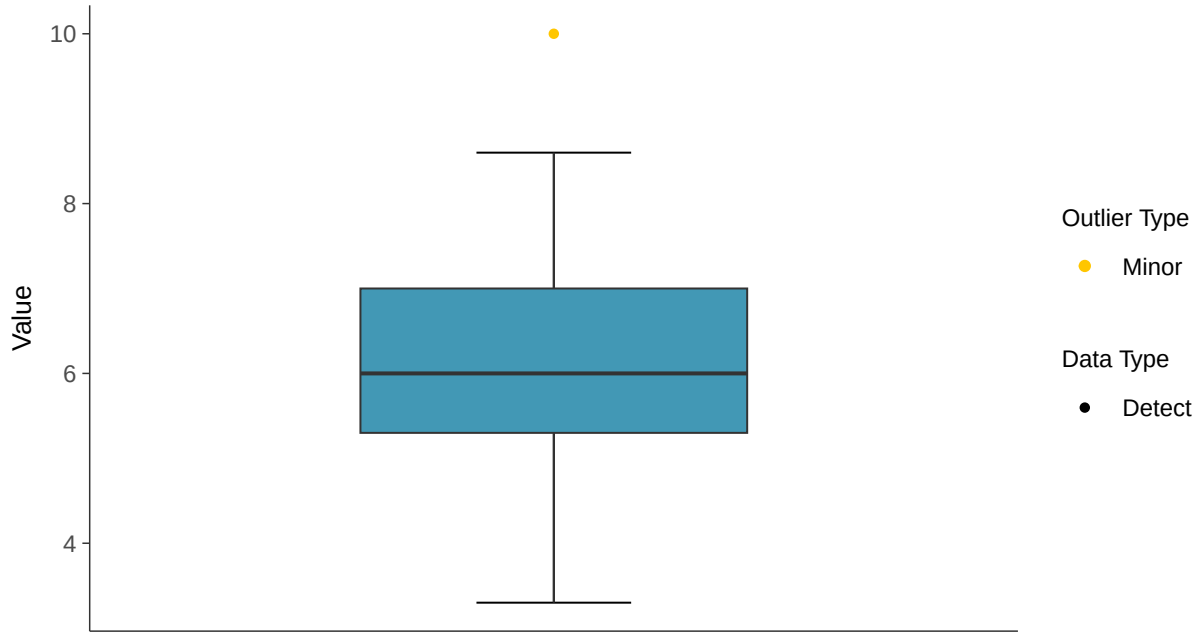
ID: 28_1_5_114





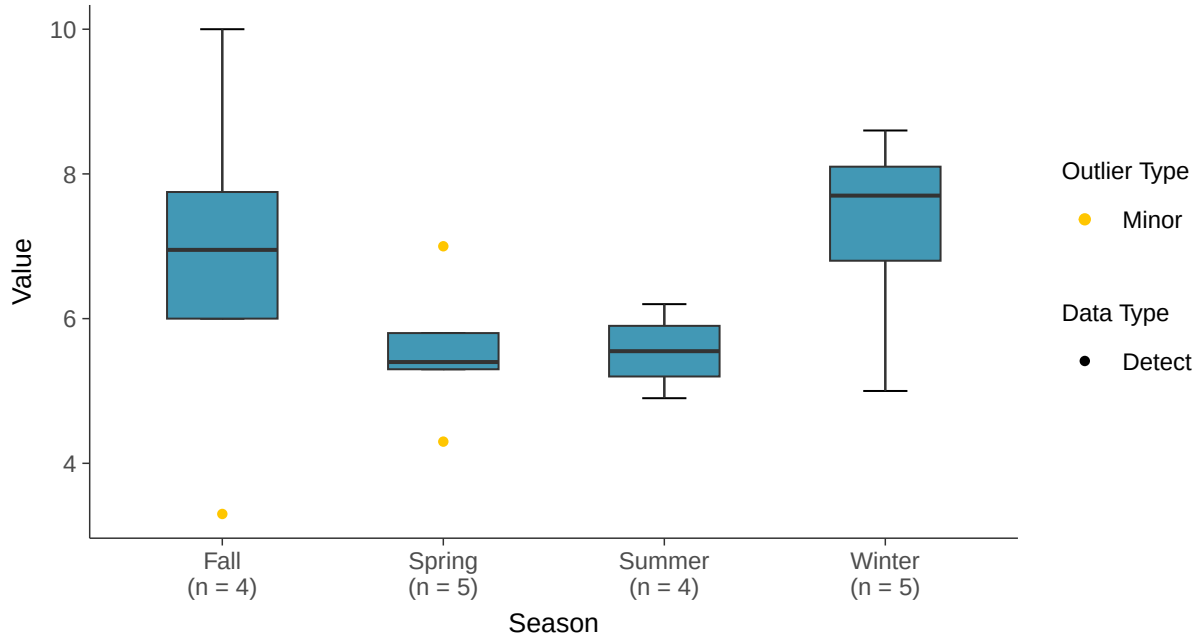
Boxplot

Iron, MW-18 (mg/L)



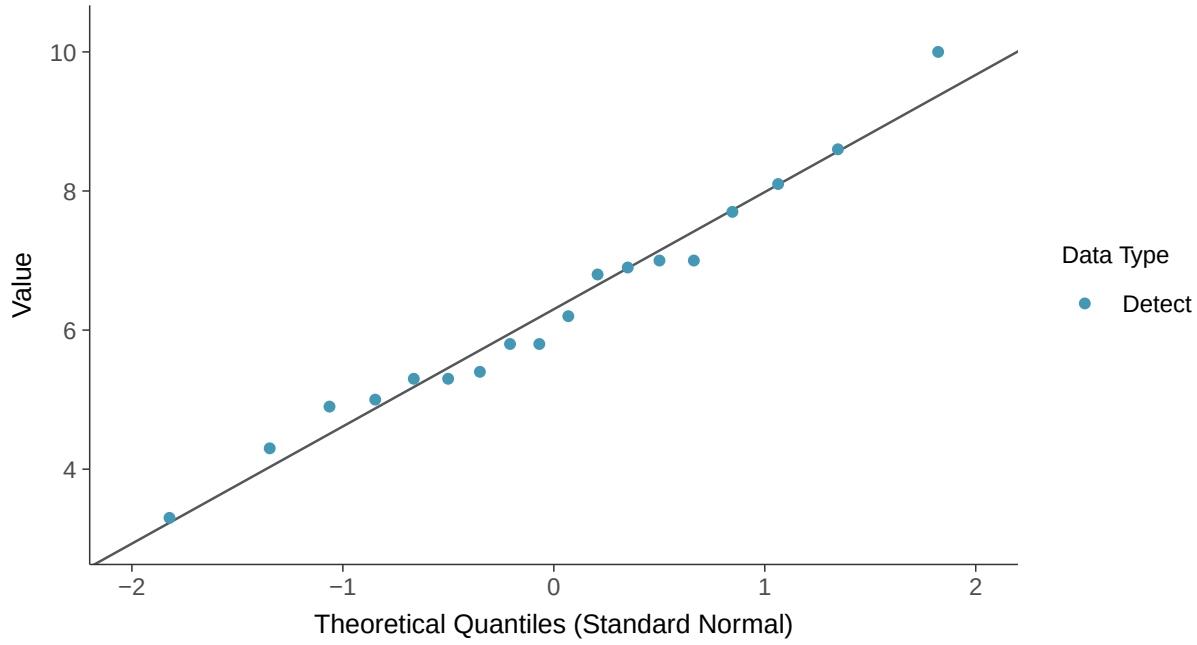
Boxplot by Season

Iron, MW-18 (mg/L)



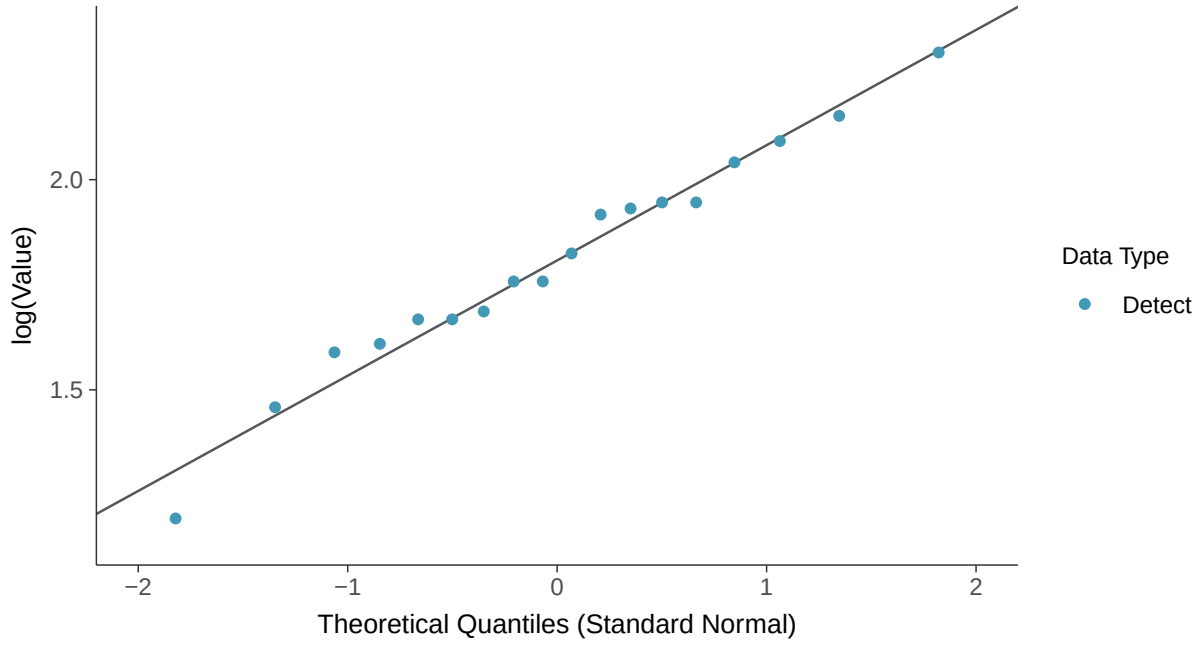
Normal Q-Q plot

Iron, MW-18 (mg/L)



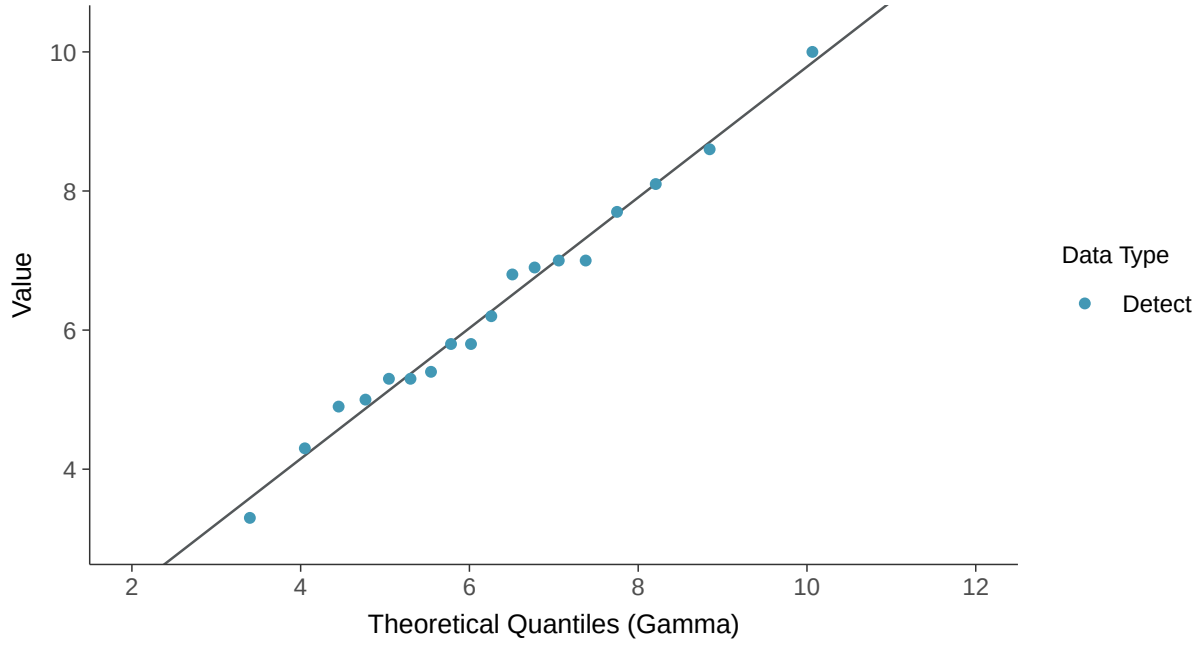
Lognormal Q-Q plot

Iron, MW-18 (mg/L)



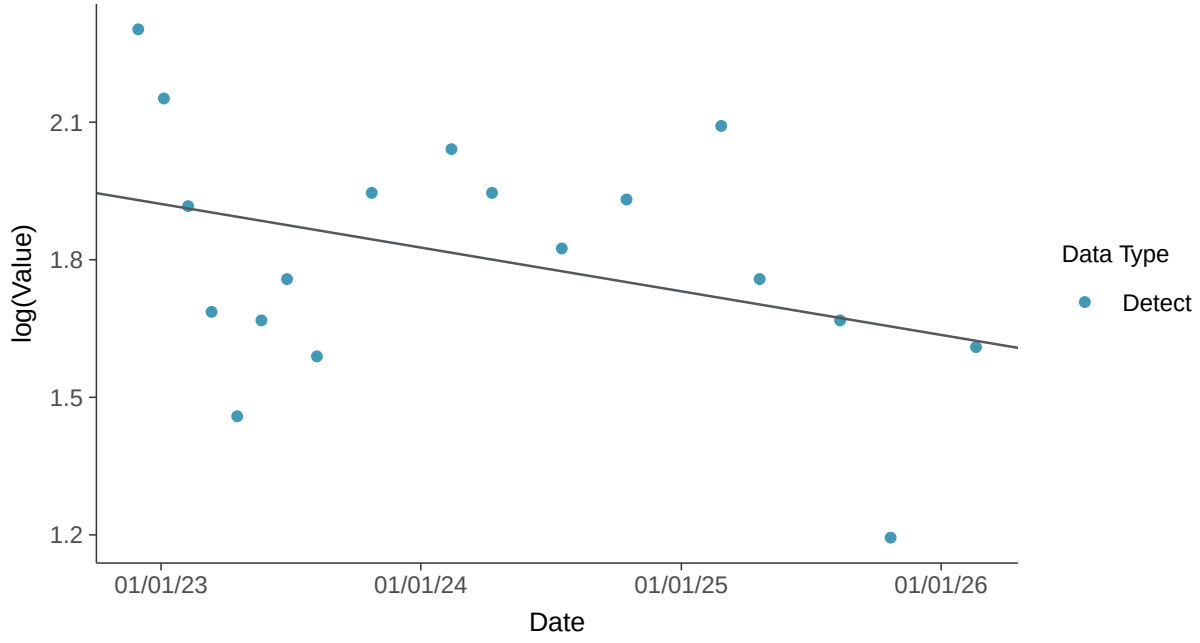
Gamma Q-Q plot

Iron, MW-18 (mg/L)



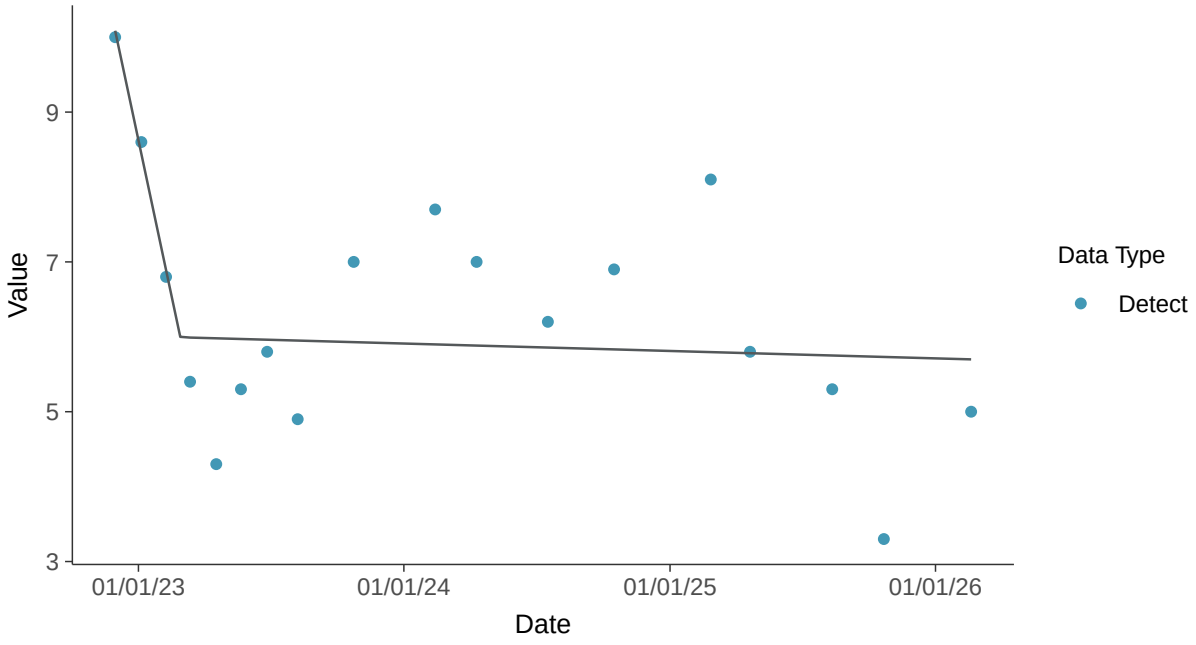
Trend Regression: Lognormal MLE

Iron, MW-18 (mg/L)



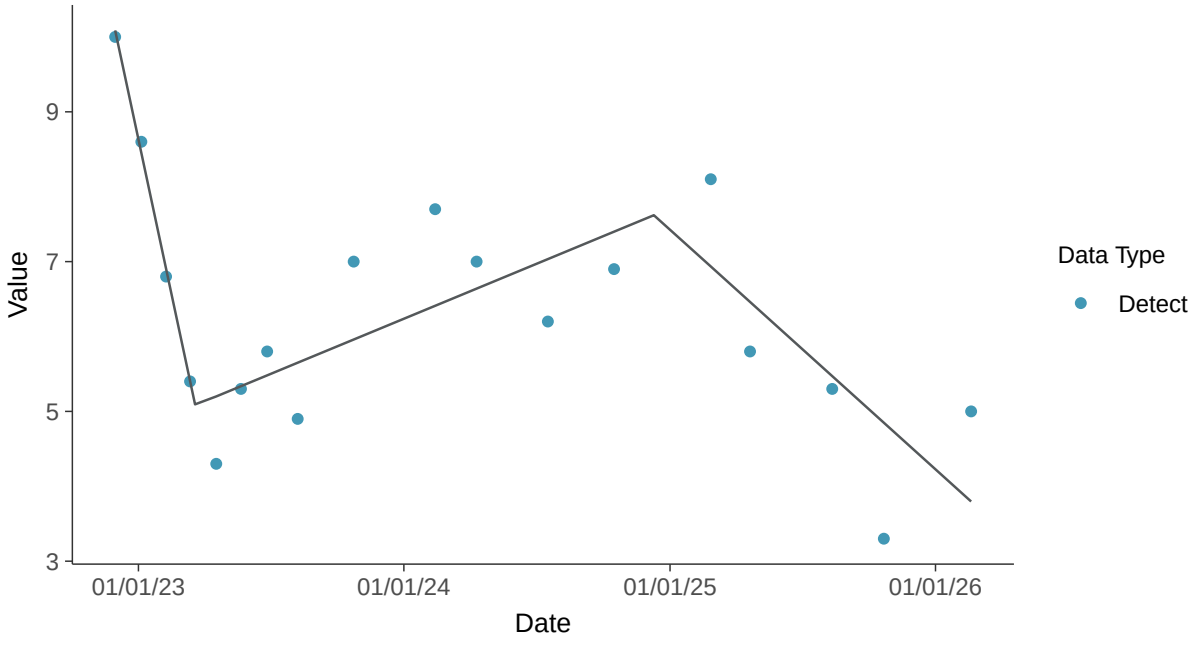
Trend Regression: Piecewise Linear-Linear

Iron, MW-18 (mg/L)



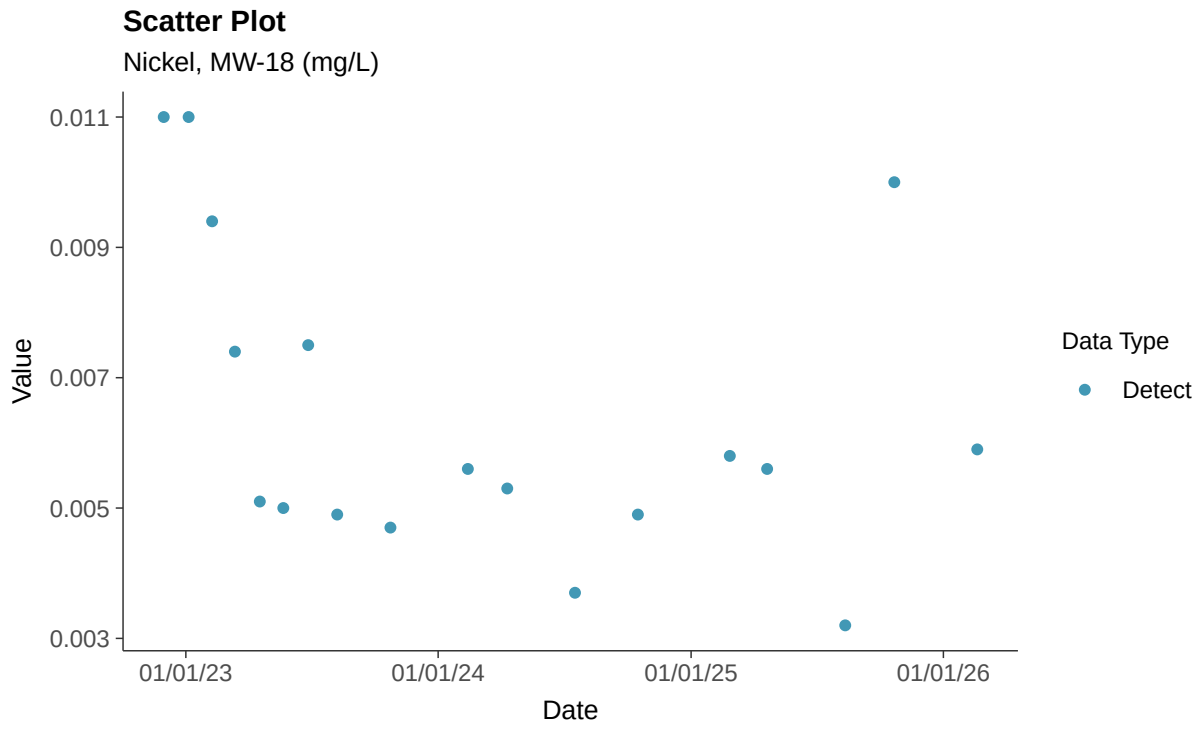
Trend Regression: Piecewise Linear-Linear-Linear

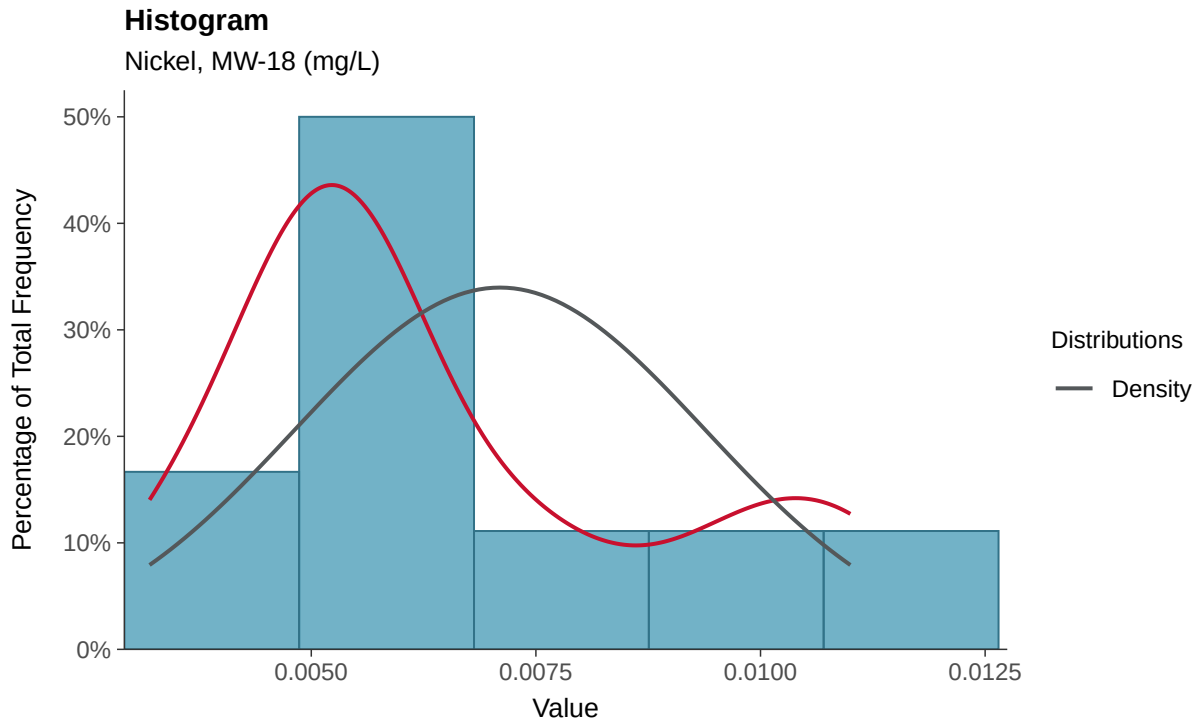
Iron, MW-18 (mg/L)



Part 115: Nickel, MW-18

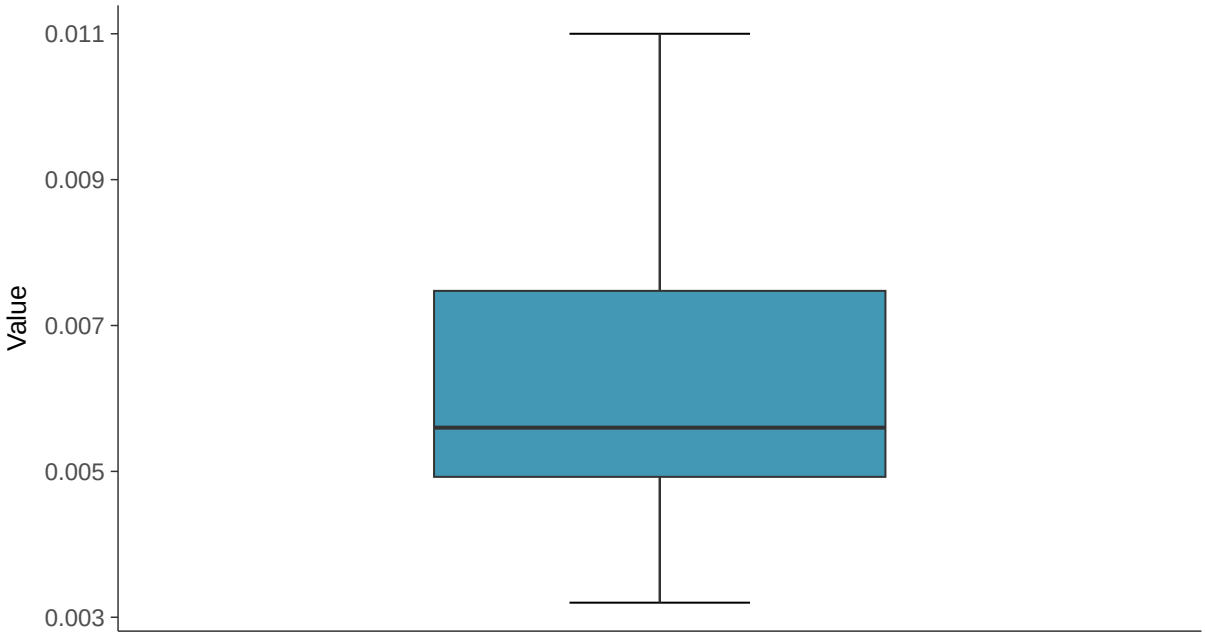
ID: 28_1_5_119





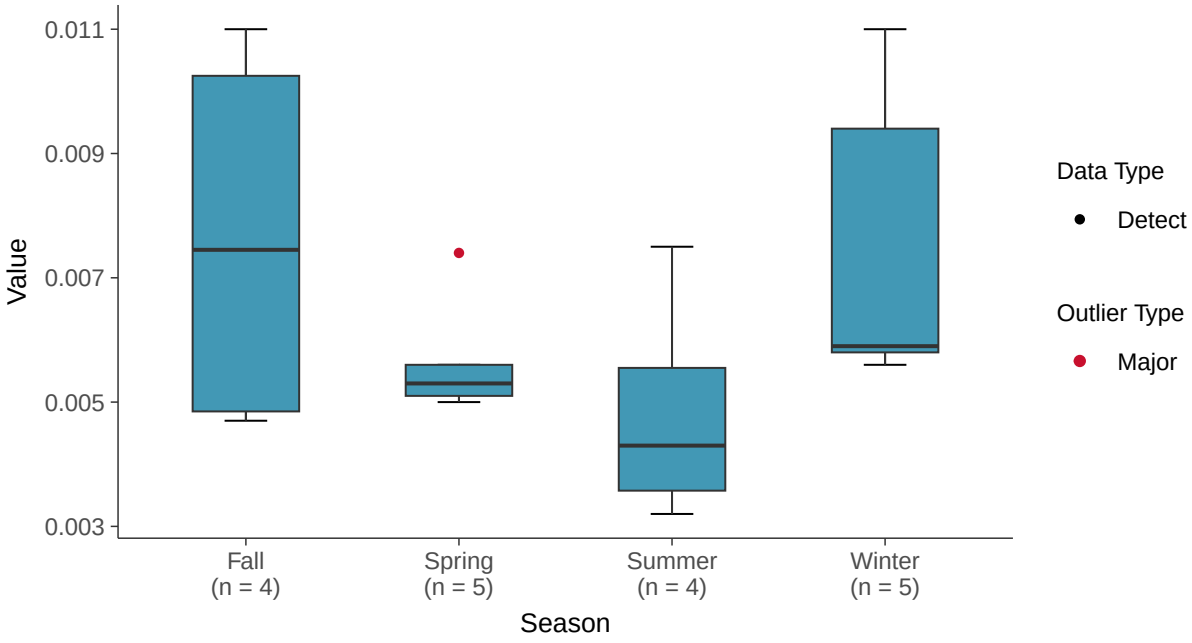
Boxplot

Nickel, MW-18 (mg/L)



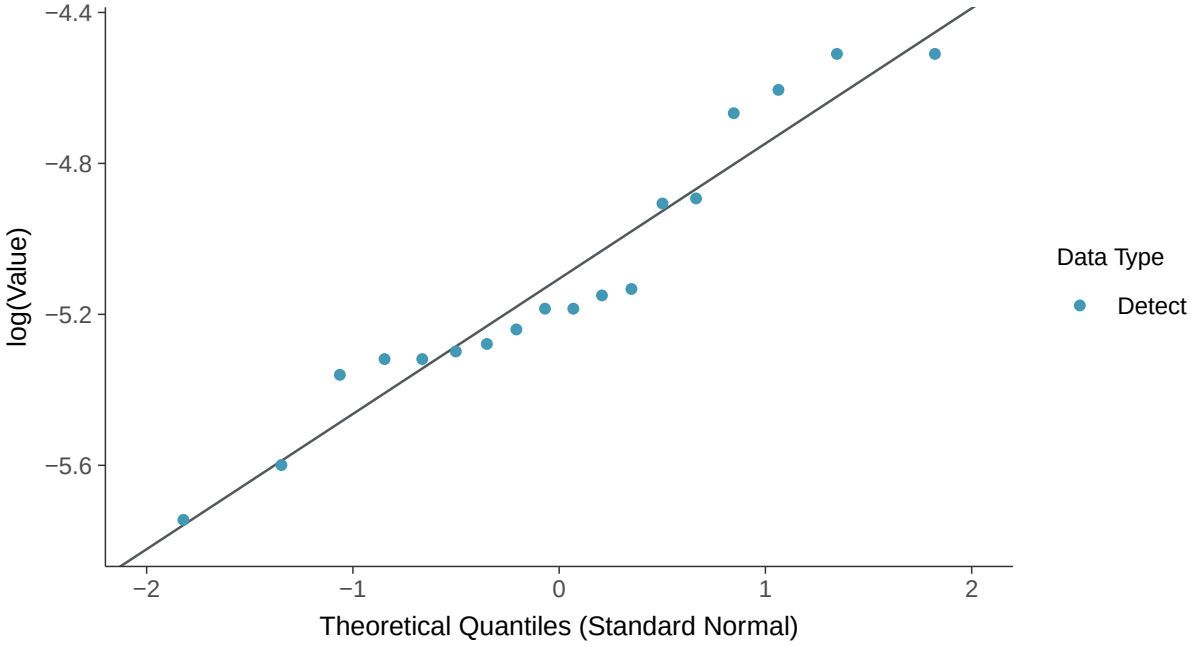
Boxplot by Season

Nickel, MW-18 (mg/L)



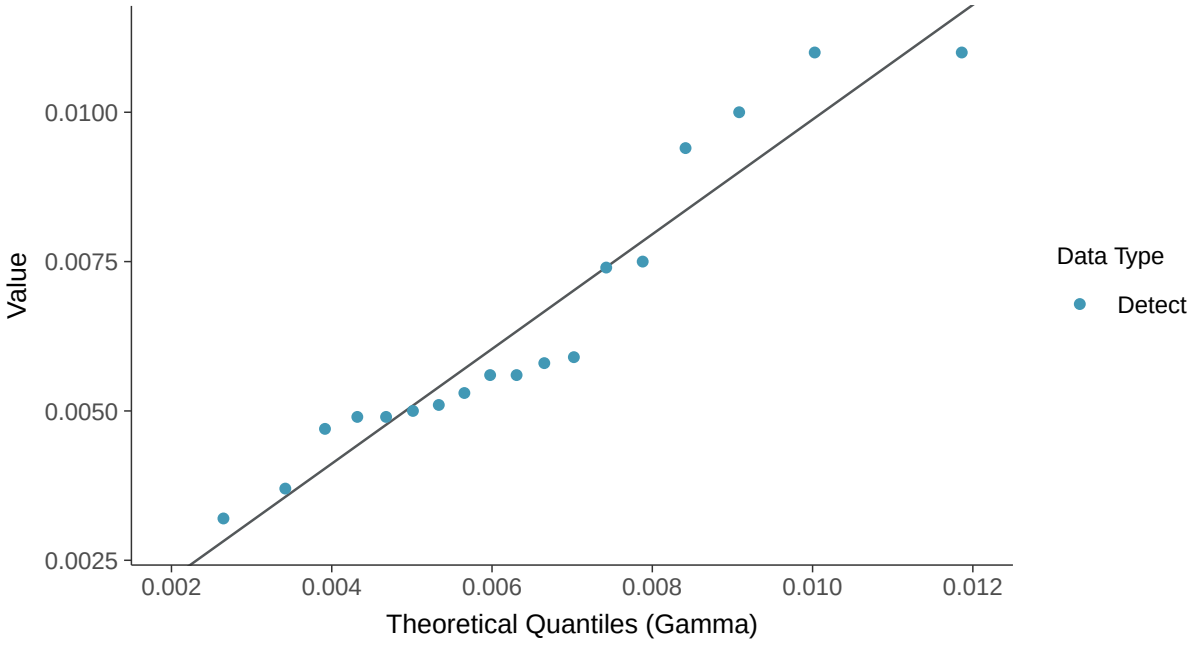
Lognormal Q-Q plot

Nickel, MW-18 (mg/L)



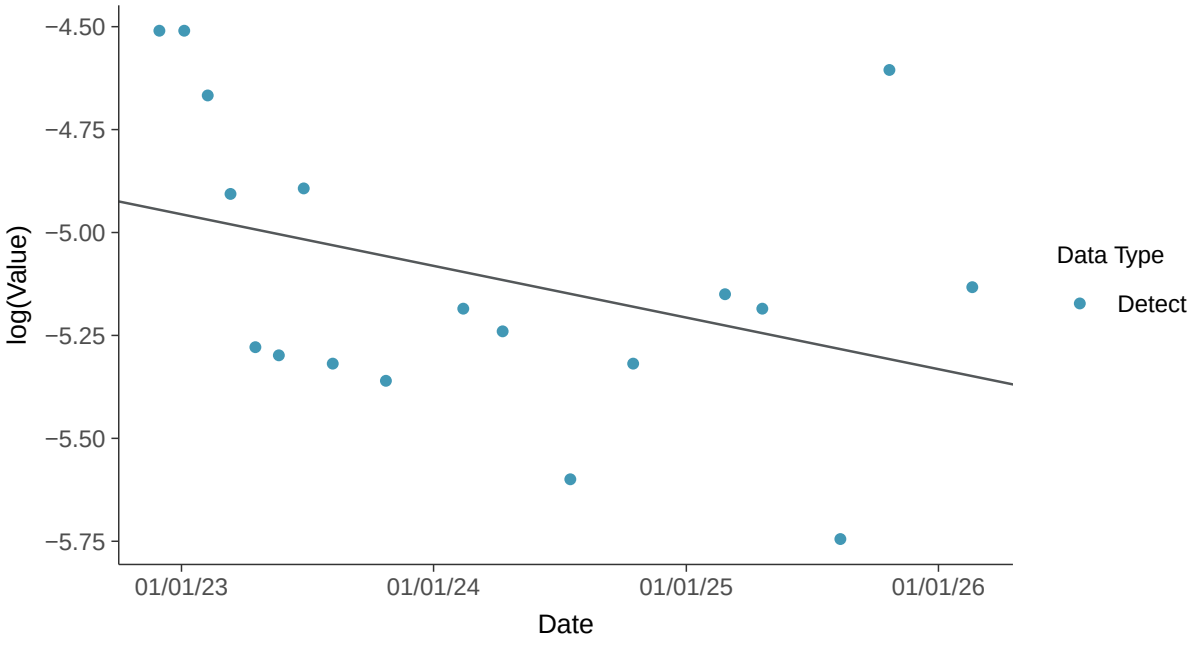
Gamma Q-Q plot

Nickel, MW-18 (mg/L)



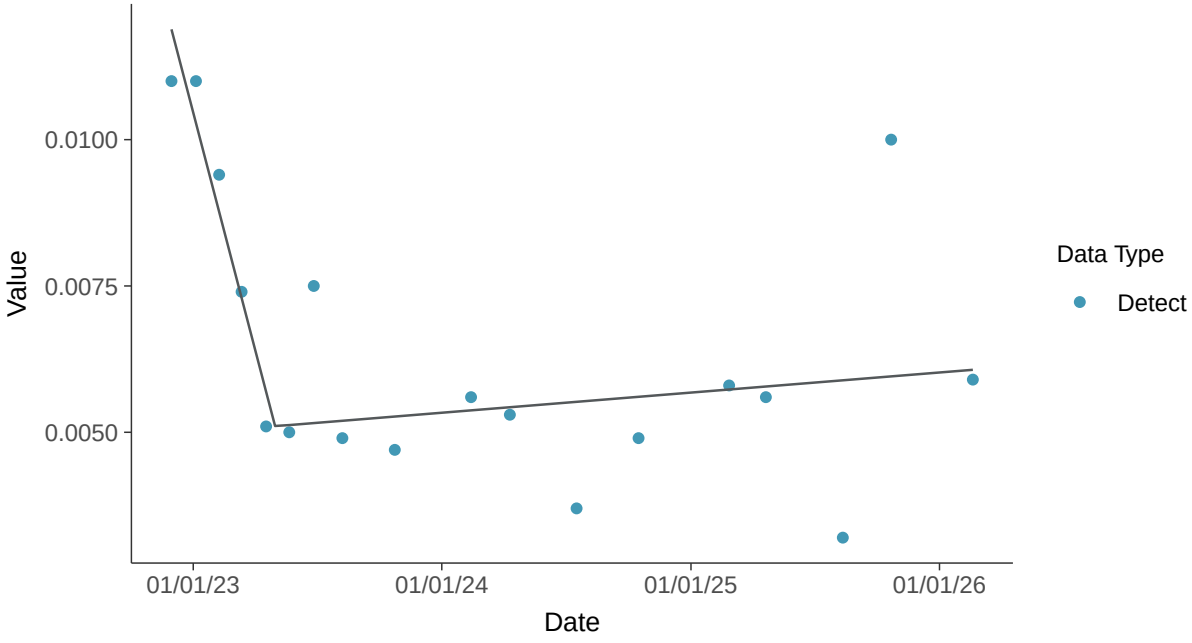
Trend Regression: Lognormal MLE

Nickel, MW-18 (mg/L)



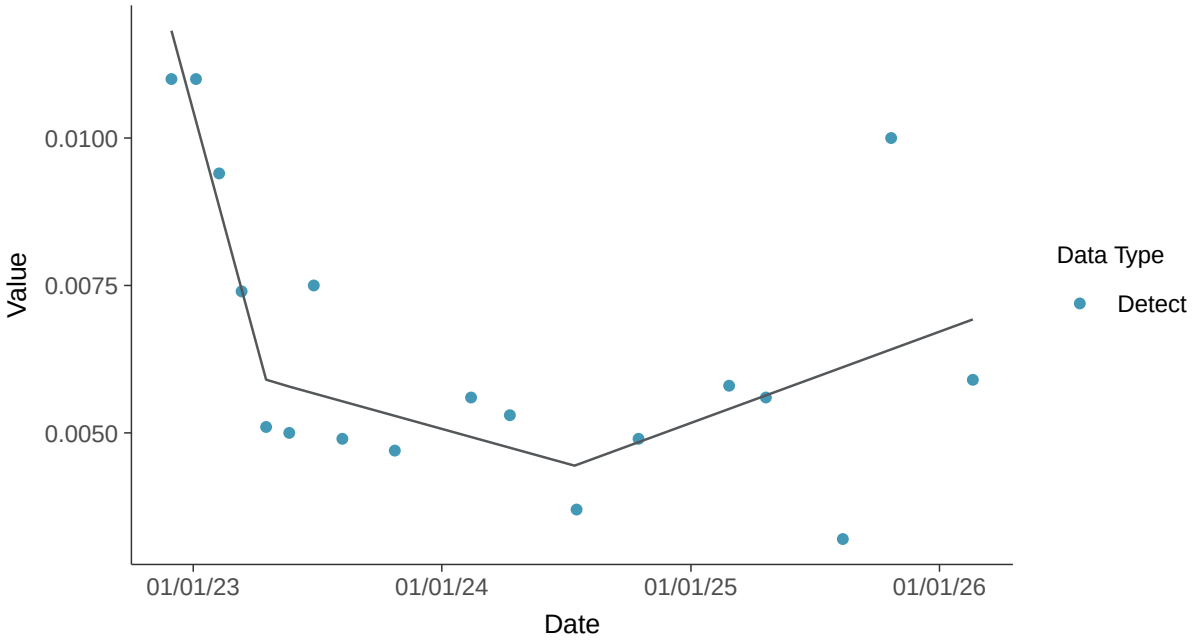
Trend Regression: Piecewise Linear-Linear

Nickel, MW-18 (mg/L)



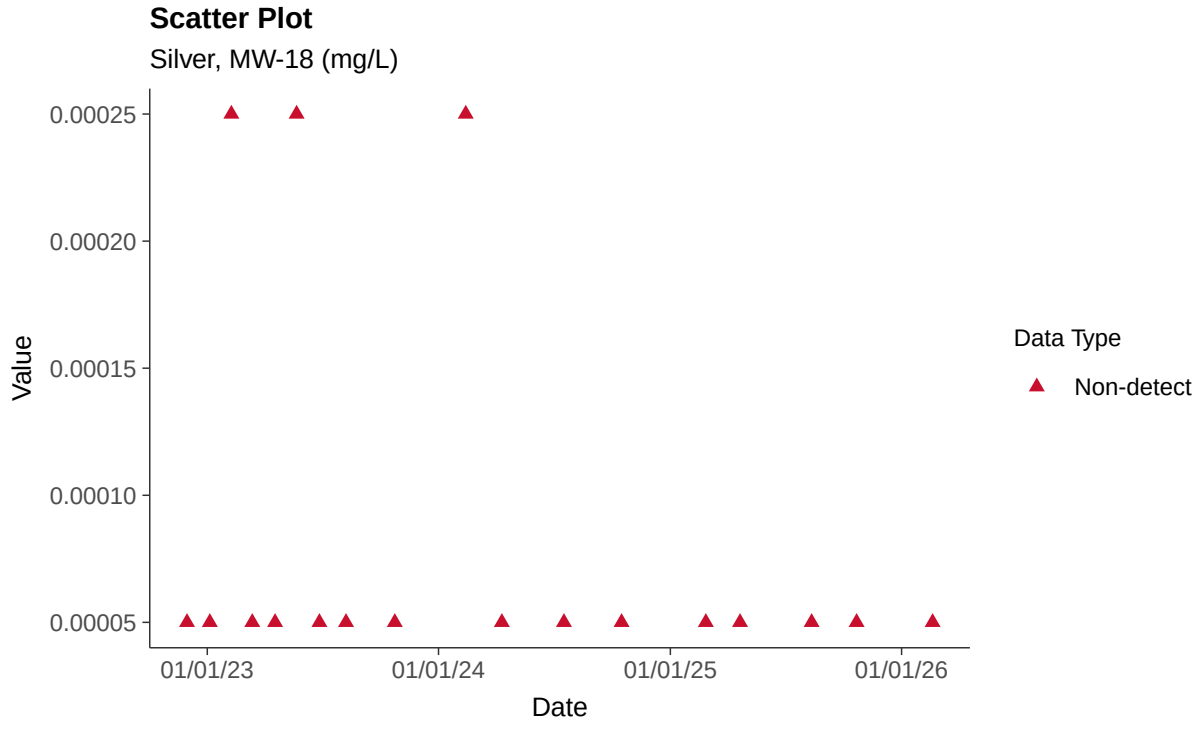
Trend Regression: Piecewise Linear-Linear-Linear

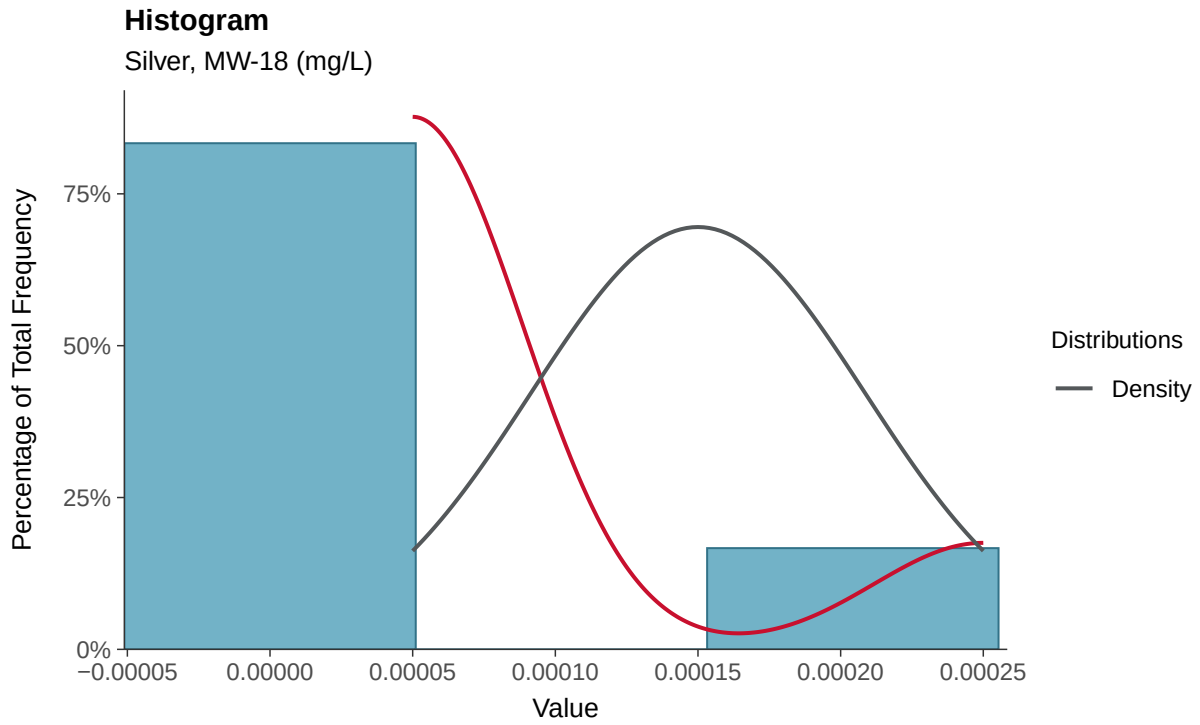
Nickel, MW-18 (mg/L)



Part 115: Silver, MW-18

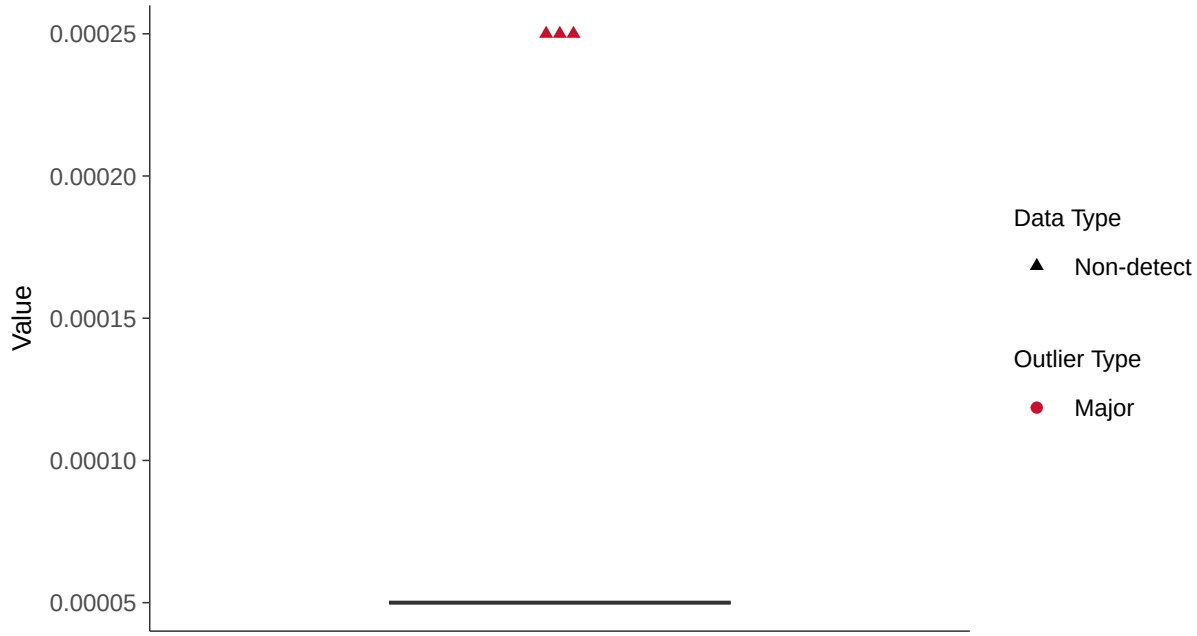
ID: 28_1_5_123





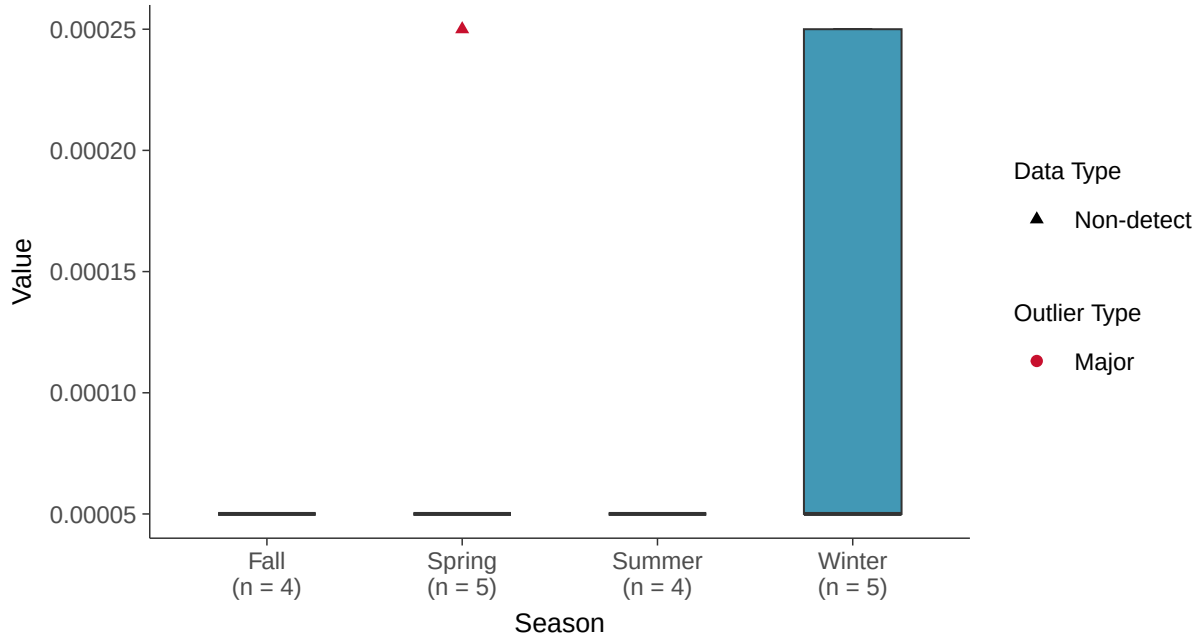
Boxplot

Silver, MW-18 (mg/L)



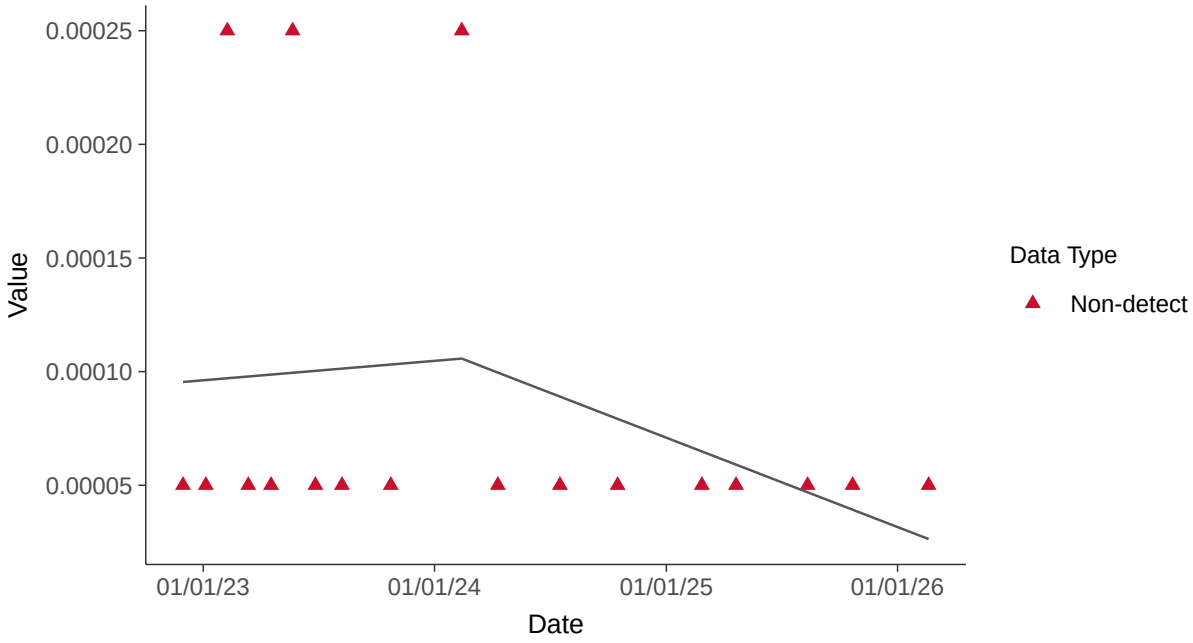
Boxplot by Season

Silver, MW-18 (mg/L)



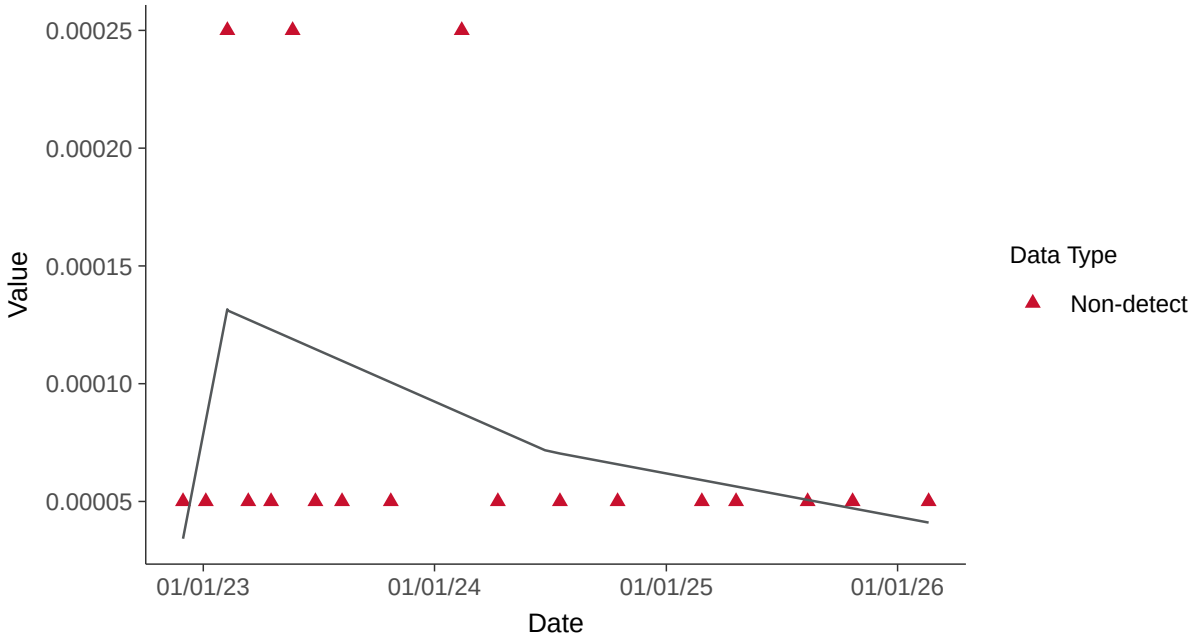
Trend Regression: Piecewise Linear-Linear

Silver, MW-18 (mg/L)



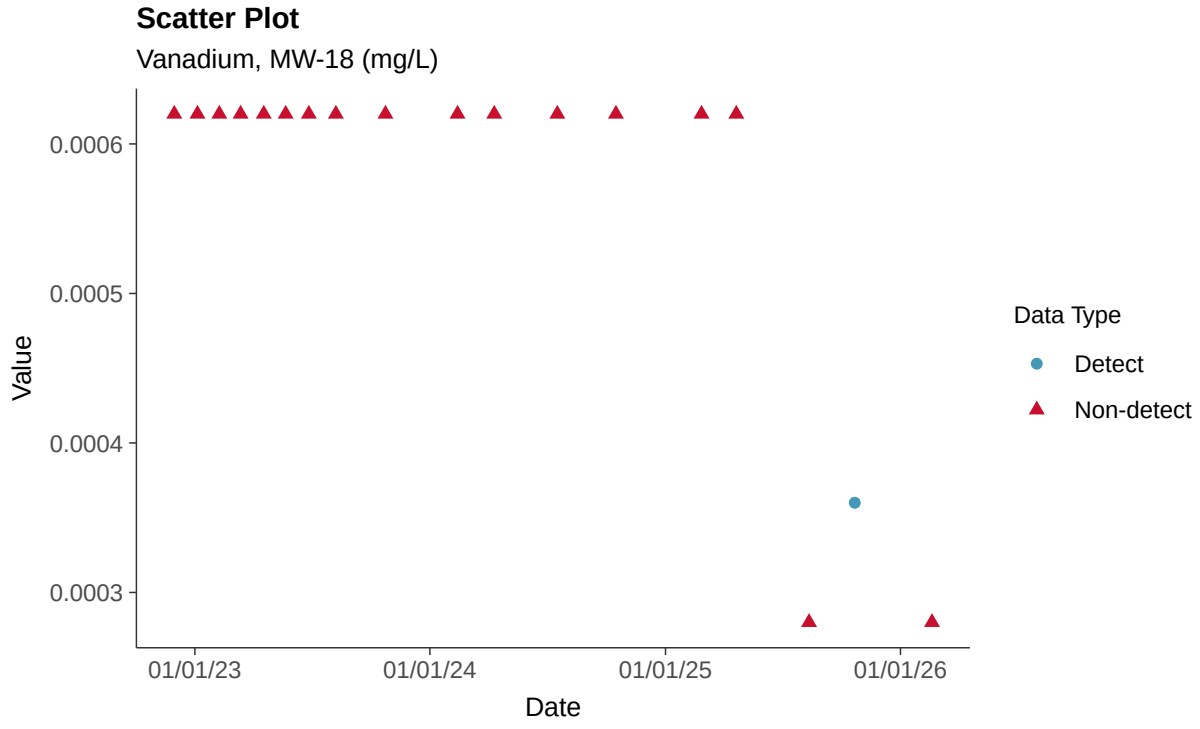
Trend Regression: Piecewise Linear-Linear-Linear

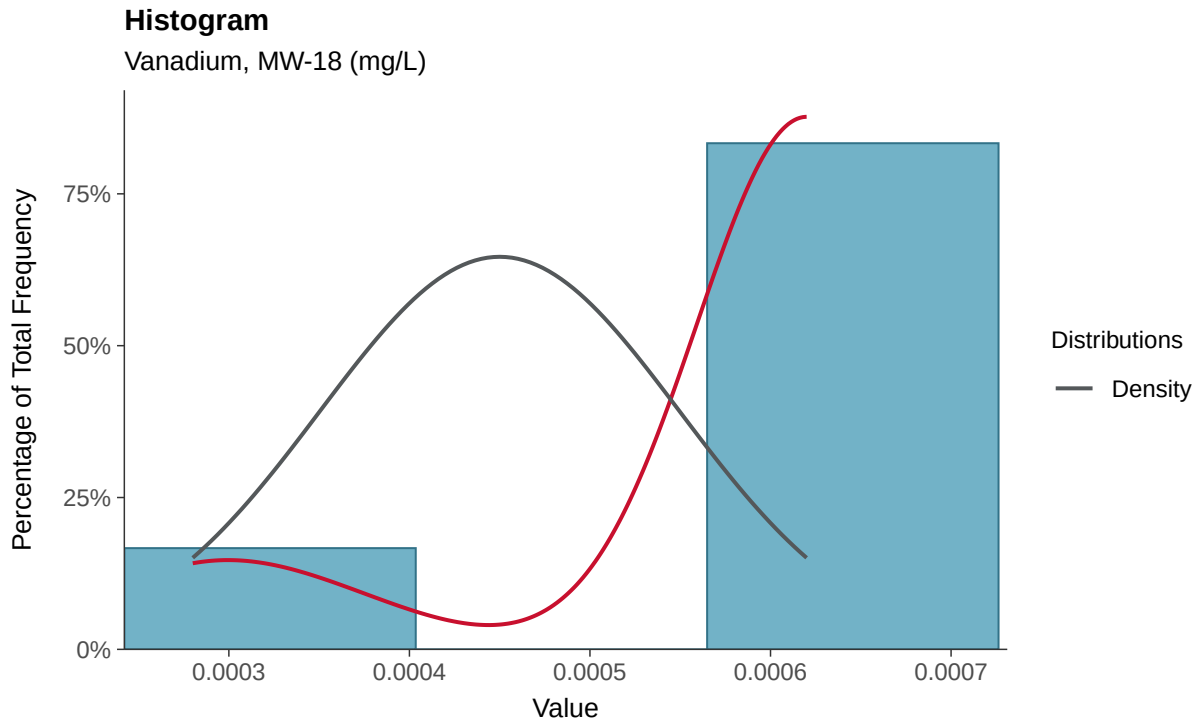
Silver, MW-18 (mg/L)



Part 115: Vanadium, MW-18

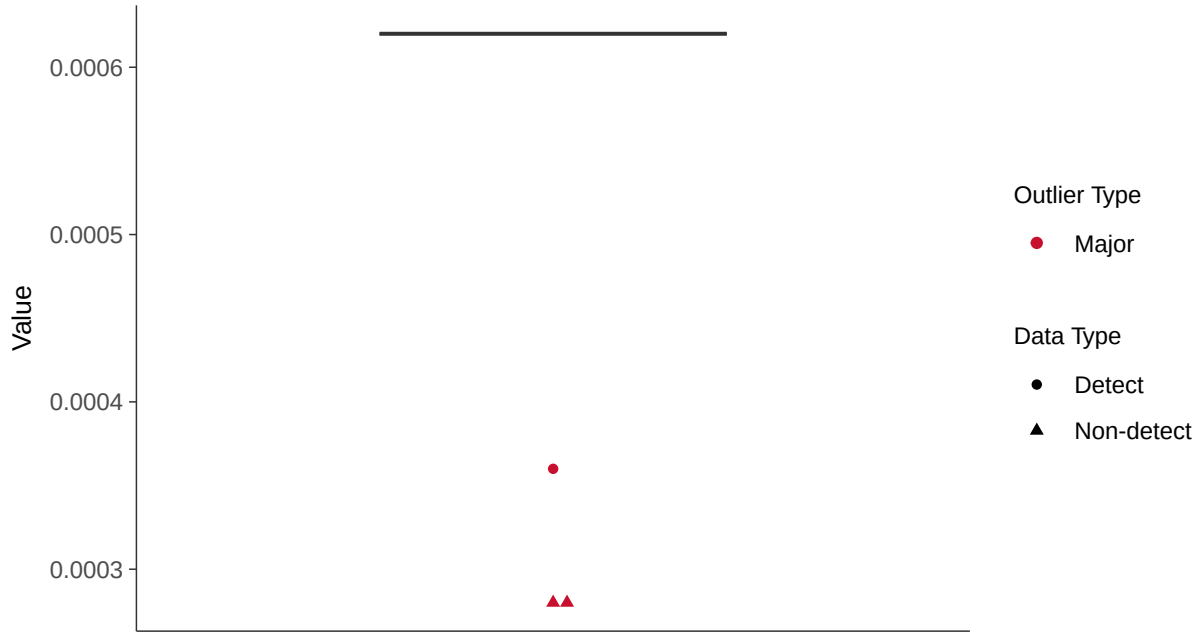
ID: 28_1_5_128





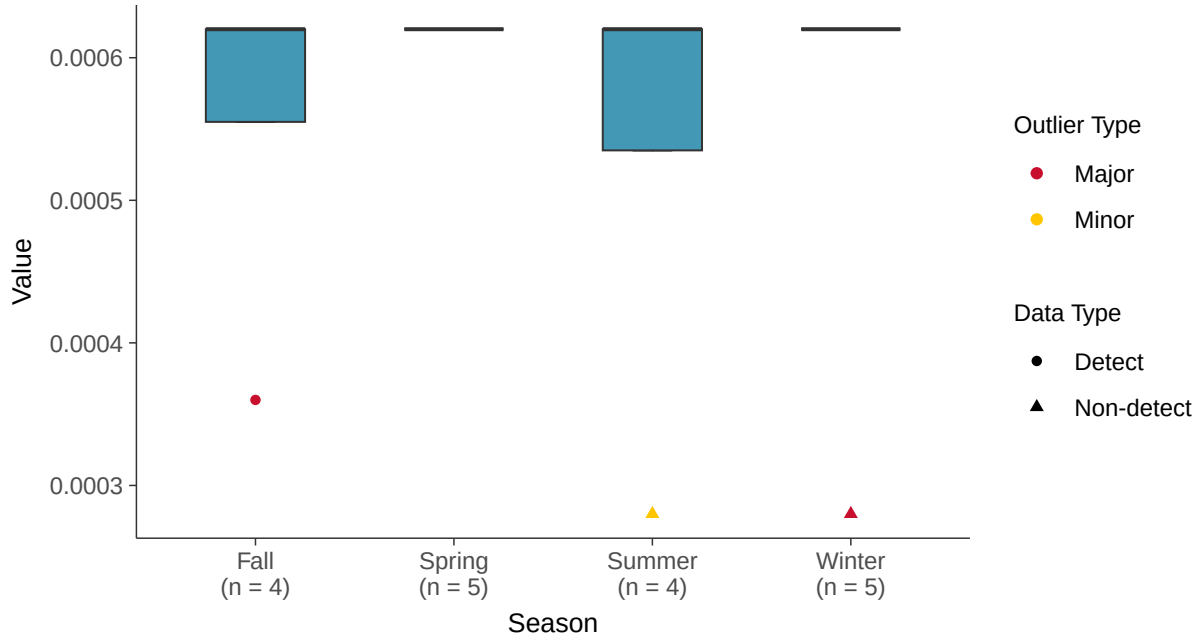
Boxplot

Vanadium, MW-18 (mg/L)



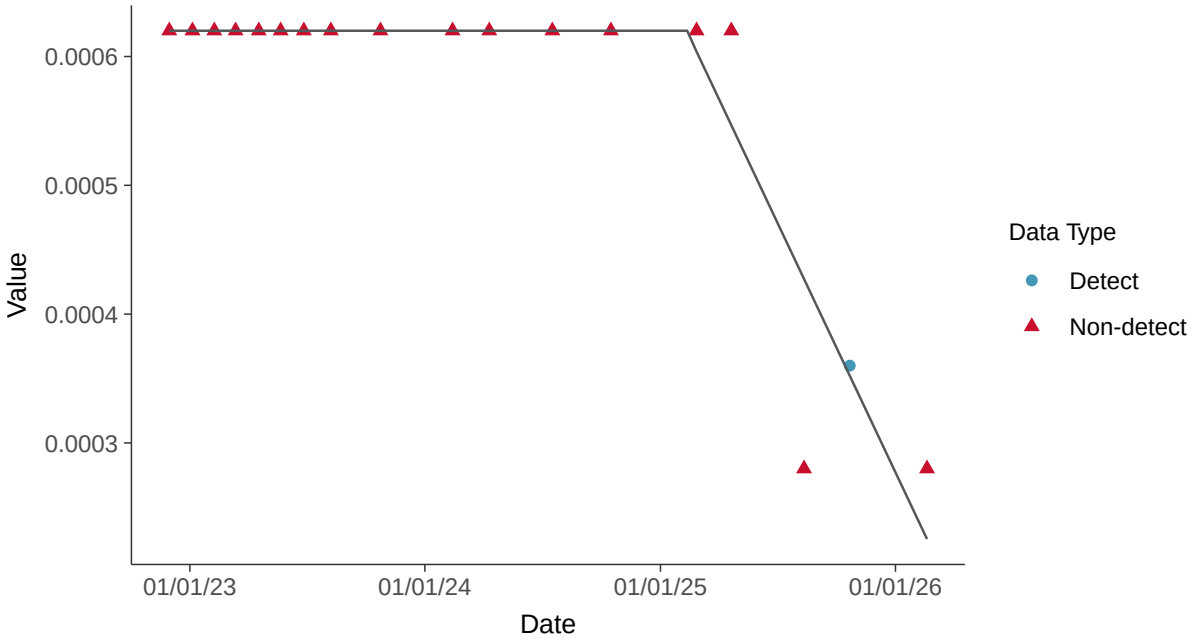
Boxplot by Season

Vanadium, MW-18 (mg/L)



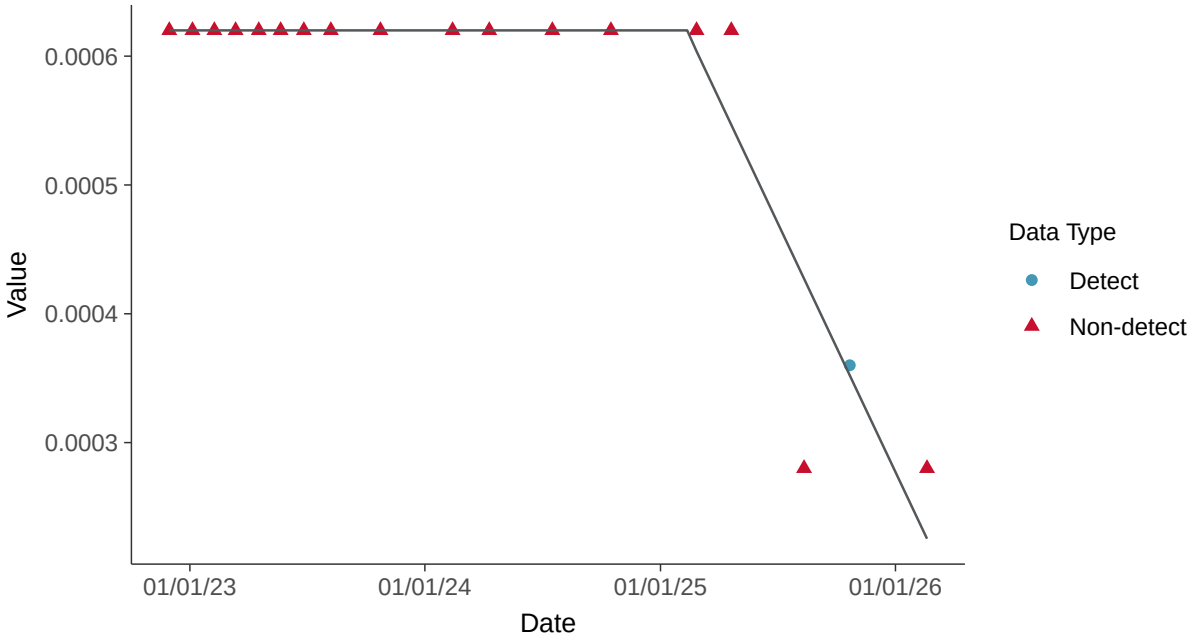
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-18 (mg/L)



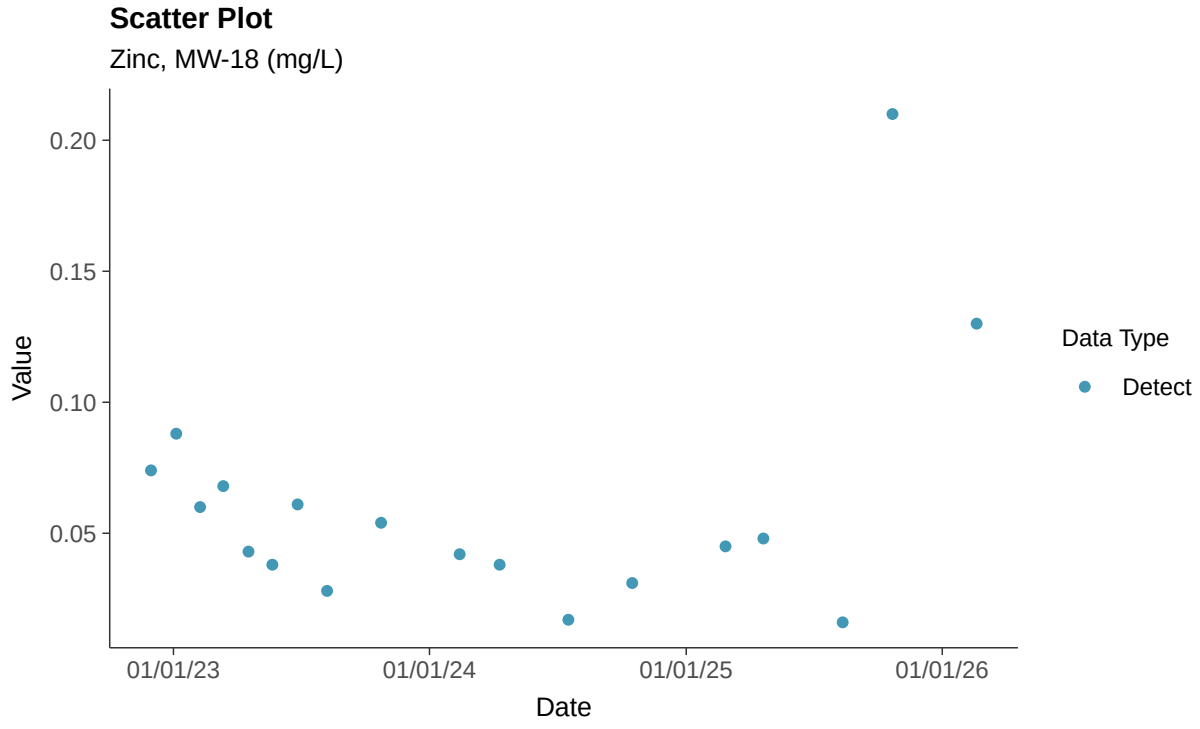
Trend Regression: Piecewise Linear-Linear-Linear

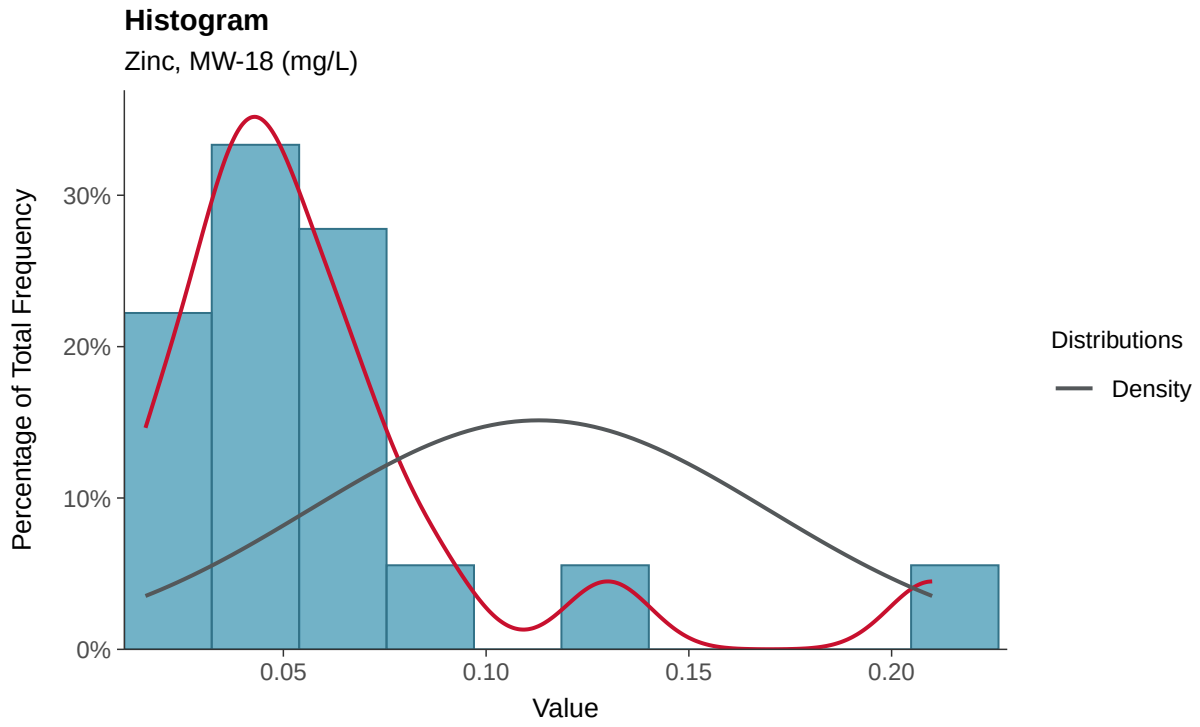
Vanadium, MW-18 (mg/L)



Part 115: Zinc, MW-18

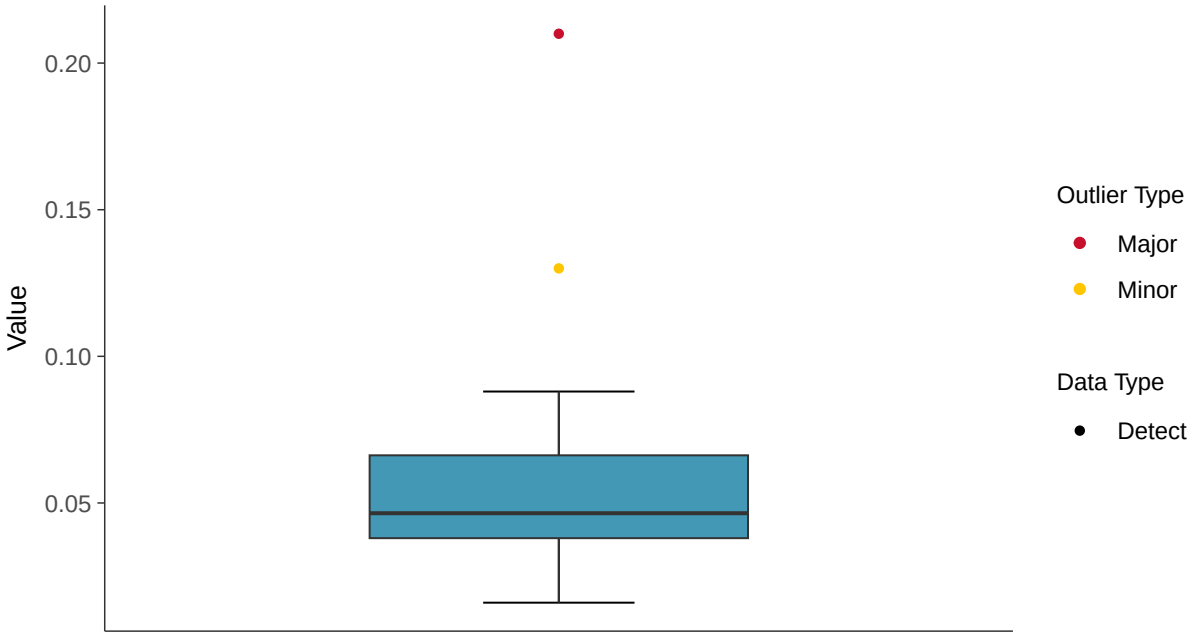
ID: 28_1_5_129





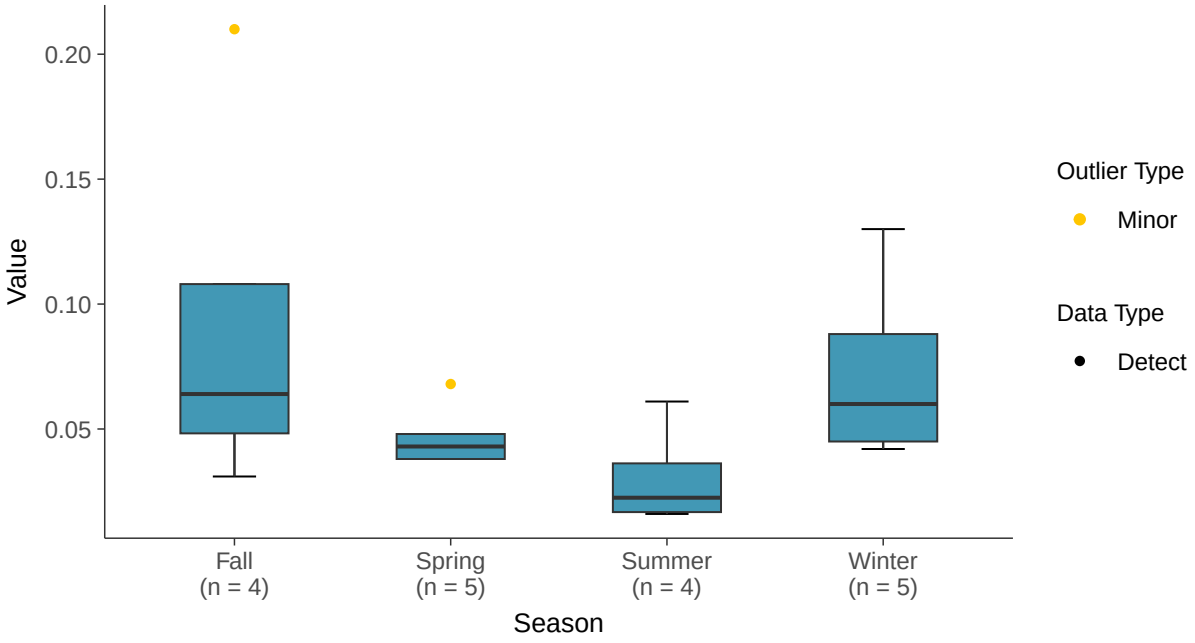
Boxplot

Zinc, MW-18 (mg/L)



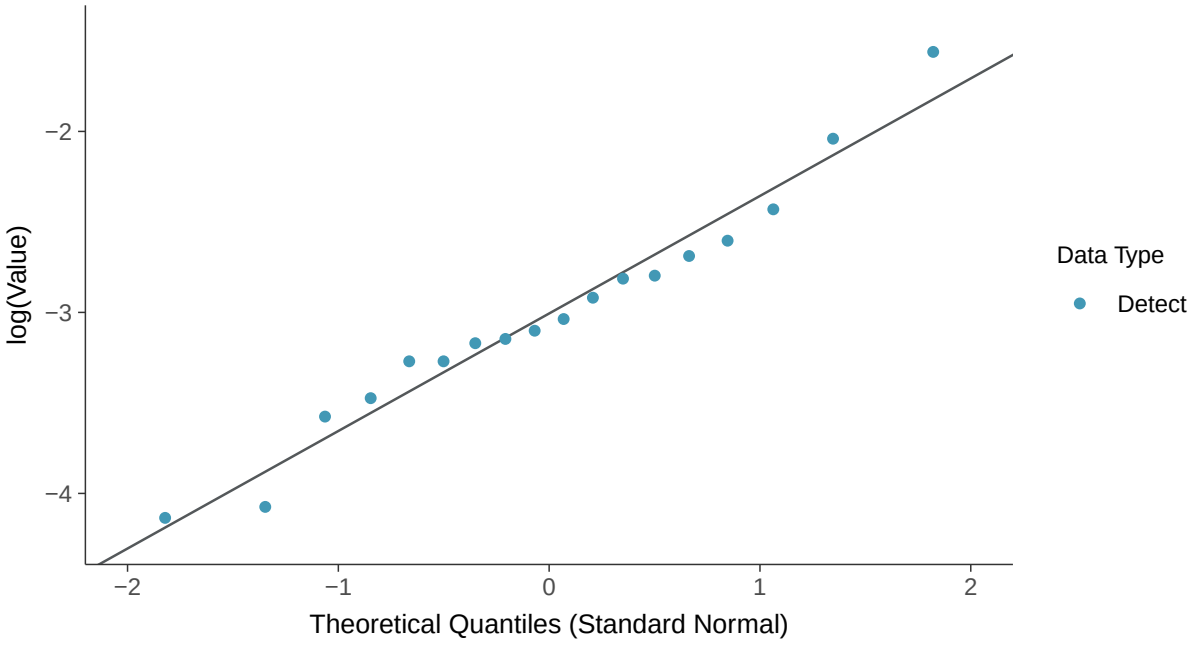
Boxplot by Season

Zinc, MW-18 (mg/L)



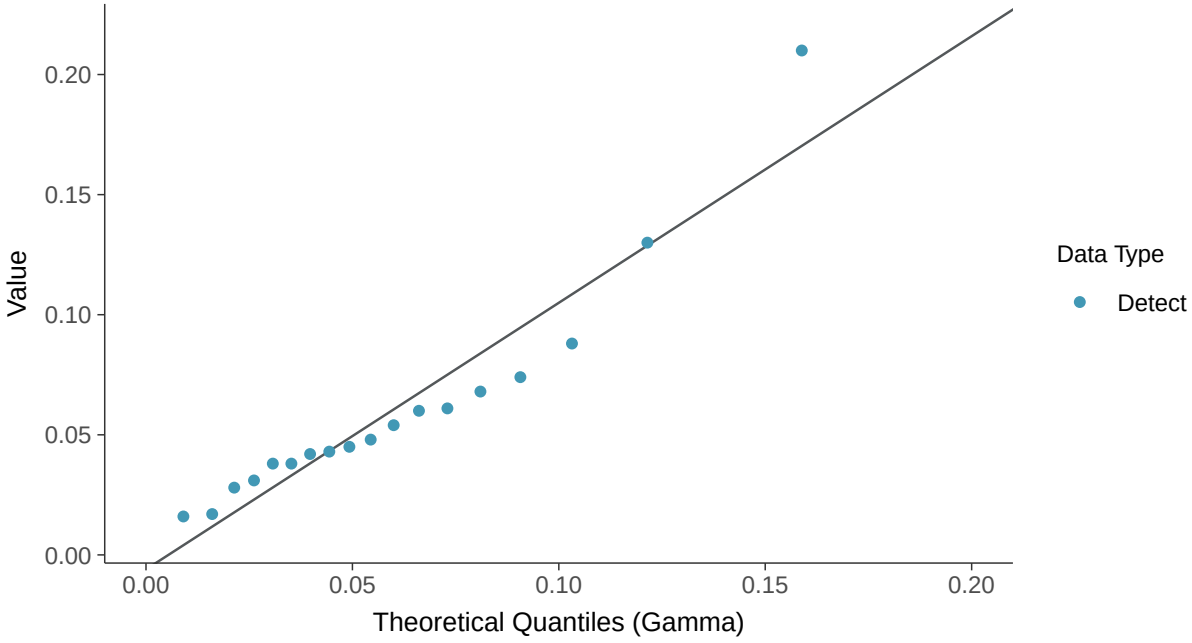
Lognormal Q-Q plot

Zinc, MW-18 (mg/L)



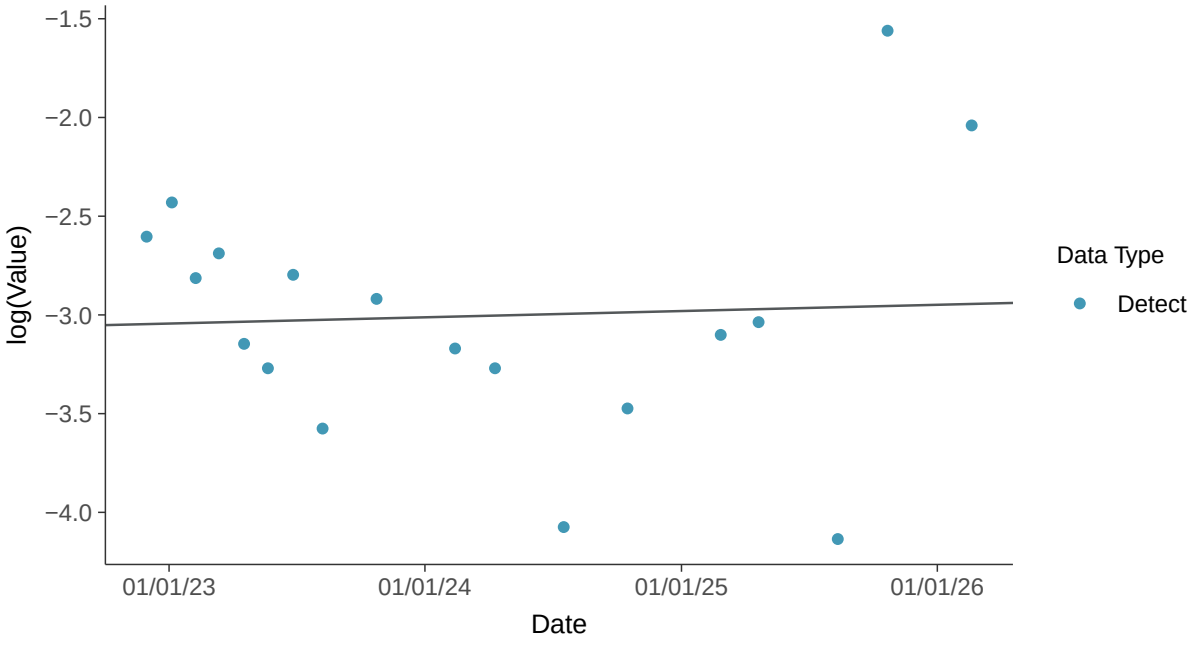
Gamma Q-Q plot

Zinc, MW-18 (mg/L)



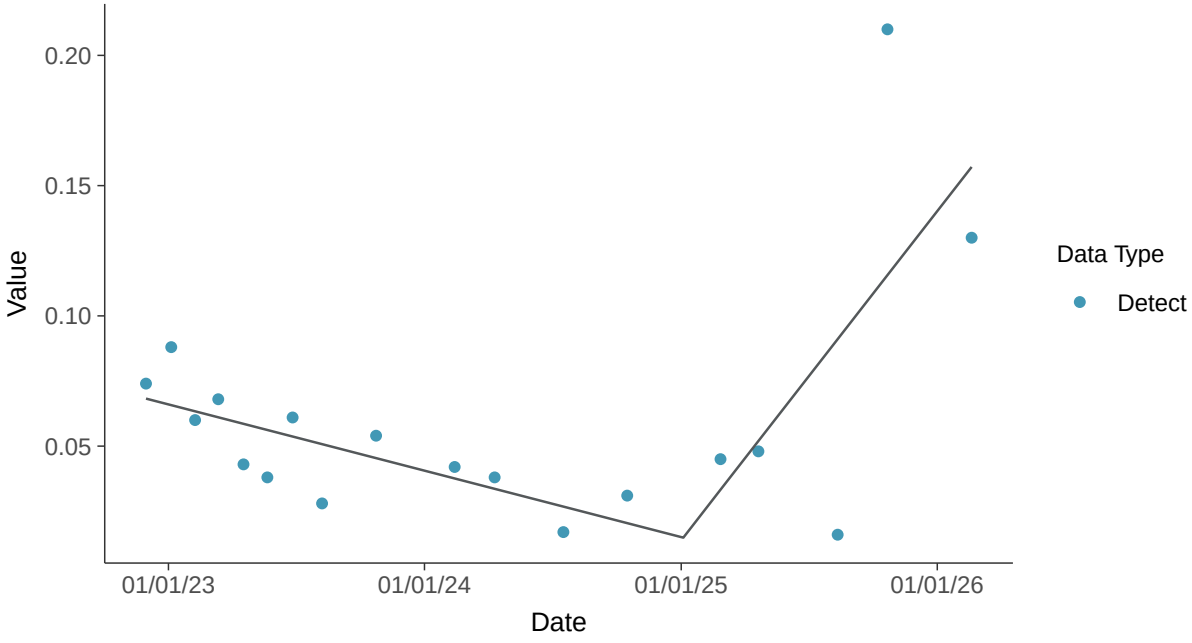
Trend Regression: Lognormal MLE

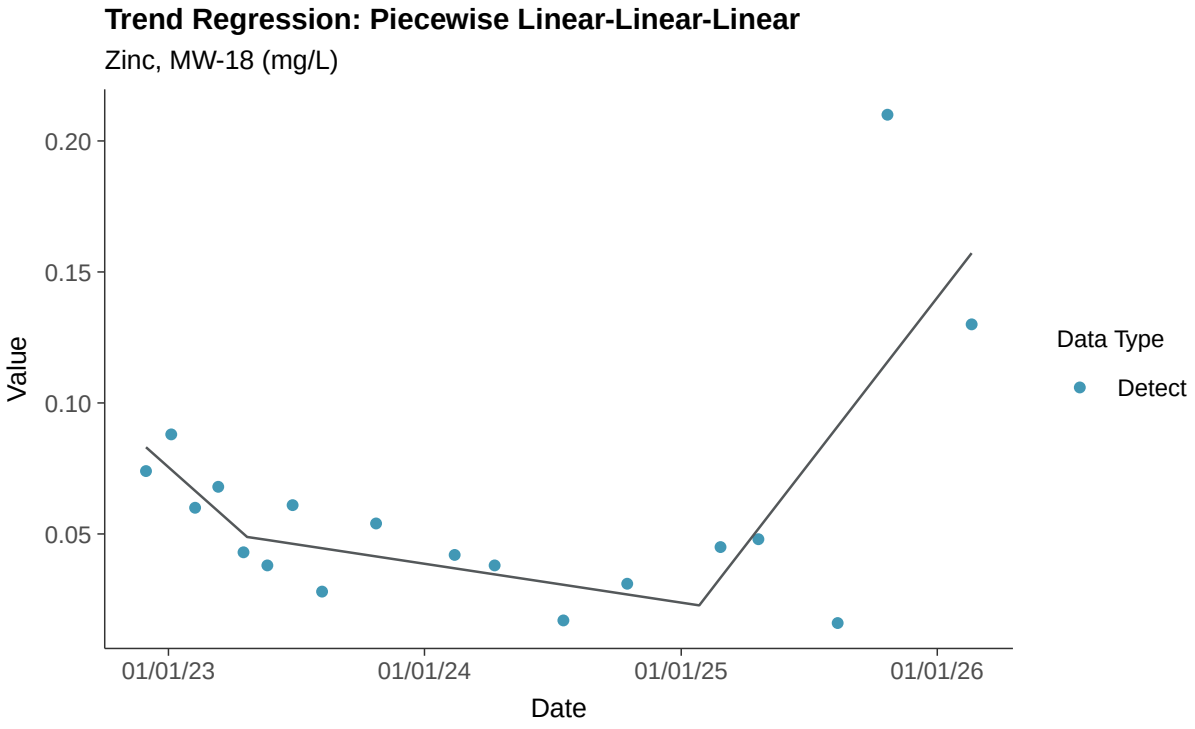
Zinc, MW-18 (mg/L)



Trend Regression: Piecewise Linear-Linear

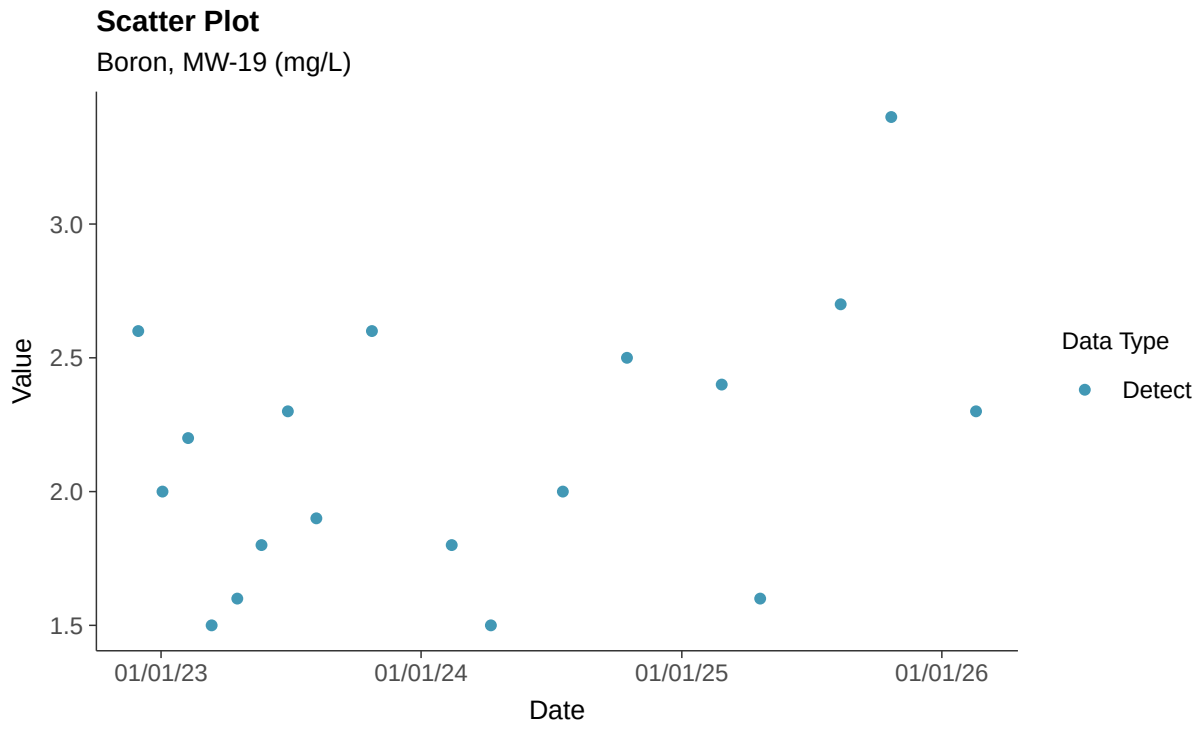
Zinc, MW-18 (mg/L)

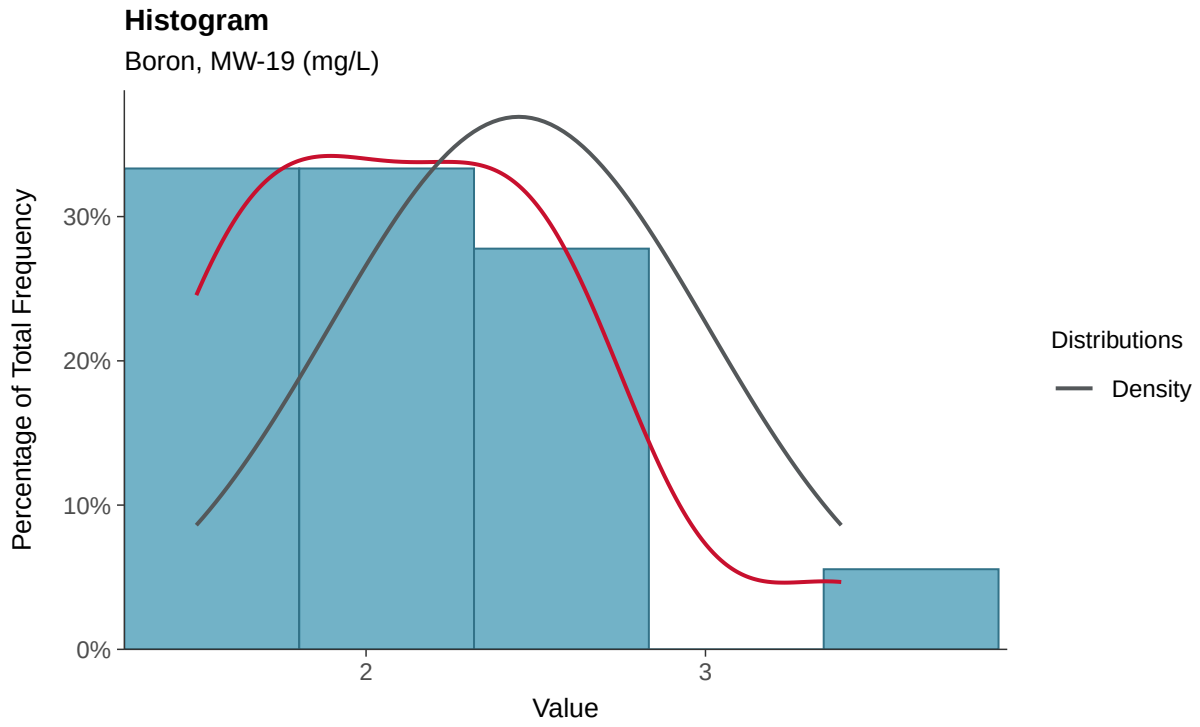



Trend Regression: Piecewise Linear-Linear-Linear
Zinc, MW-18 (mg/L)
Value
0.20
0.15
0.10
0.05
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Boron, MW-19

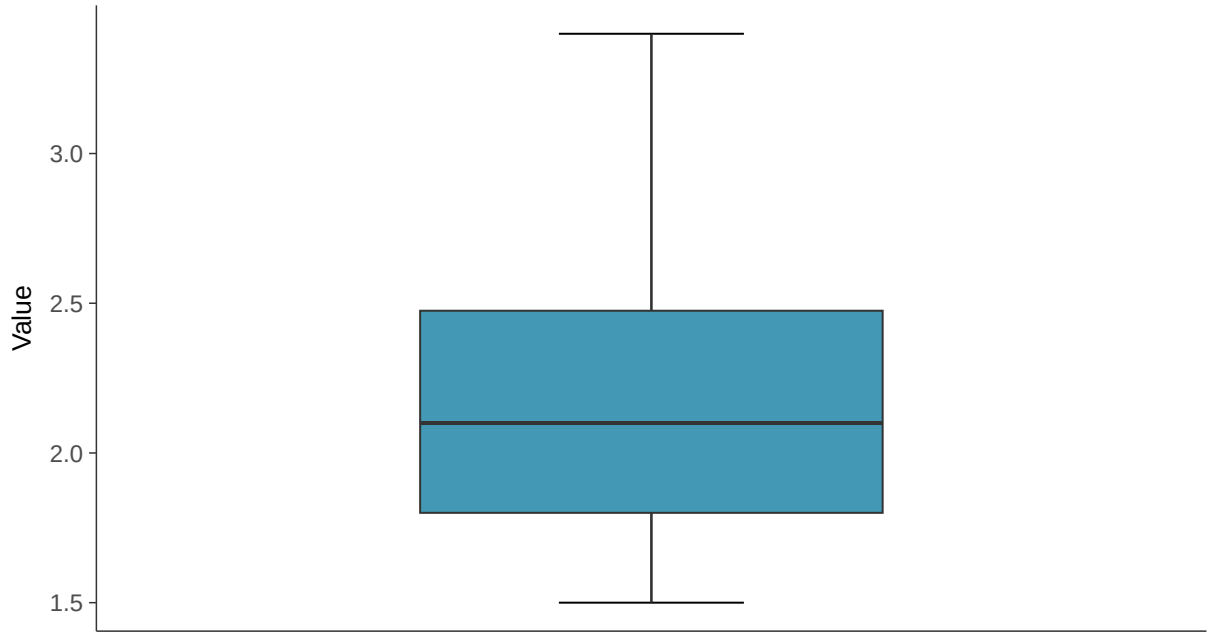
ID: 29_1_3_105





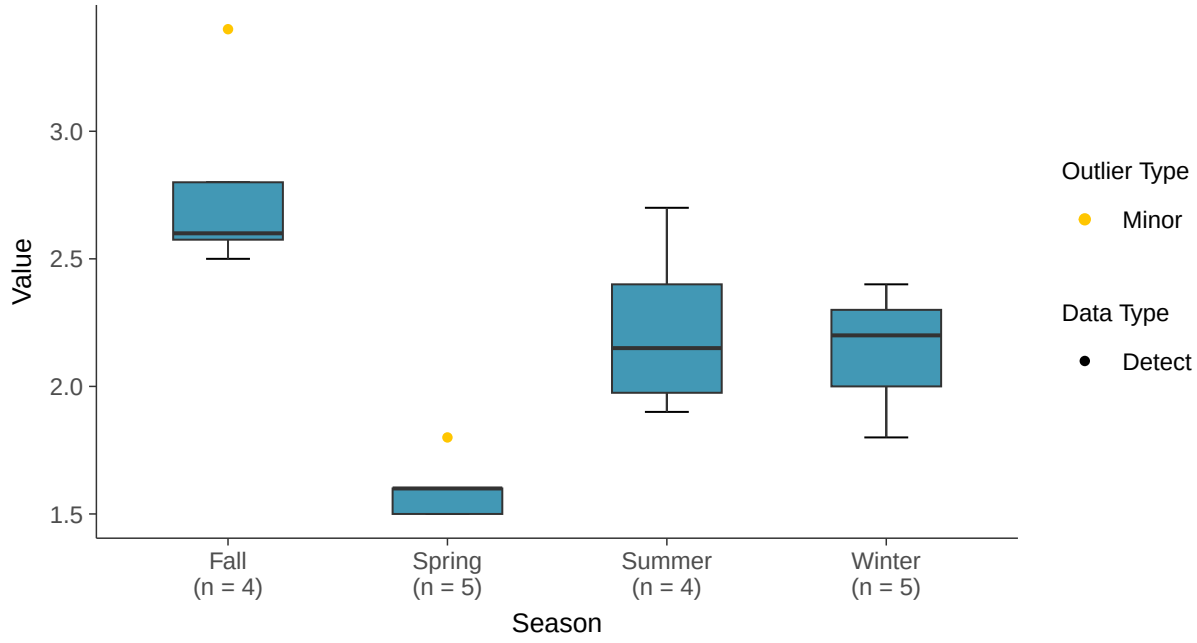
Boxplot

Boron, MW-19 (mg/L)



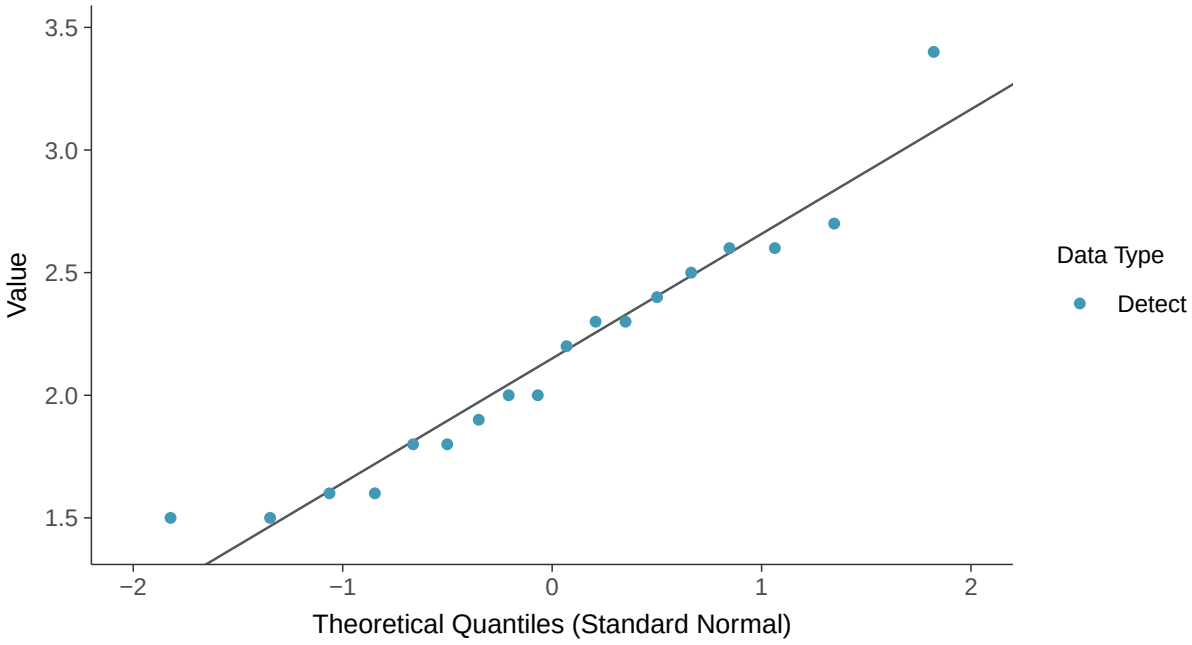
Boxplot by Season

Boron, MW-19 (mg/L)



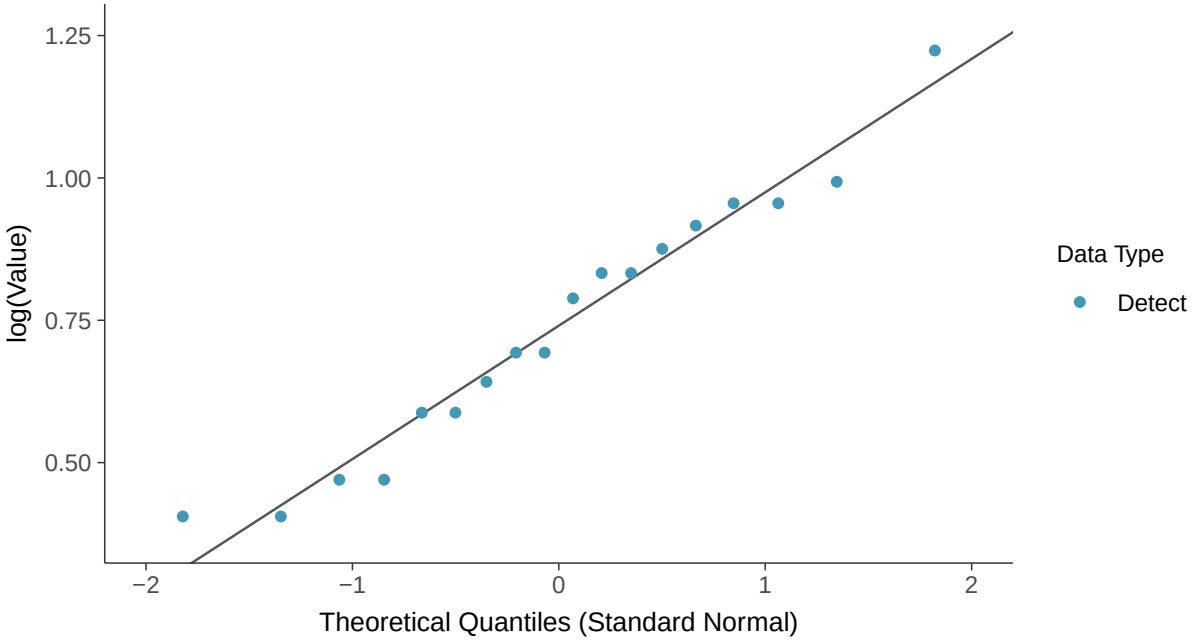
Normal Q-Q plot

Boron, MW-19 (mg/L)



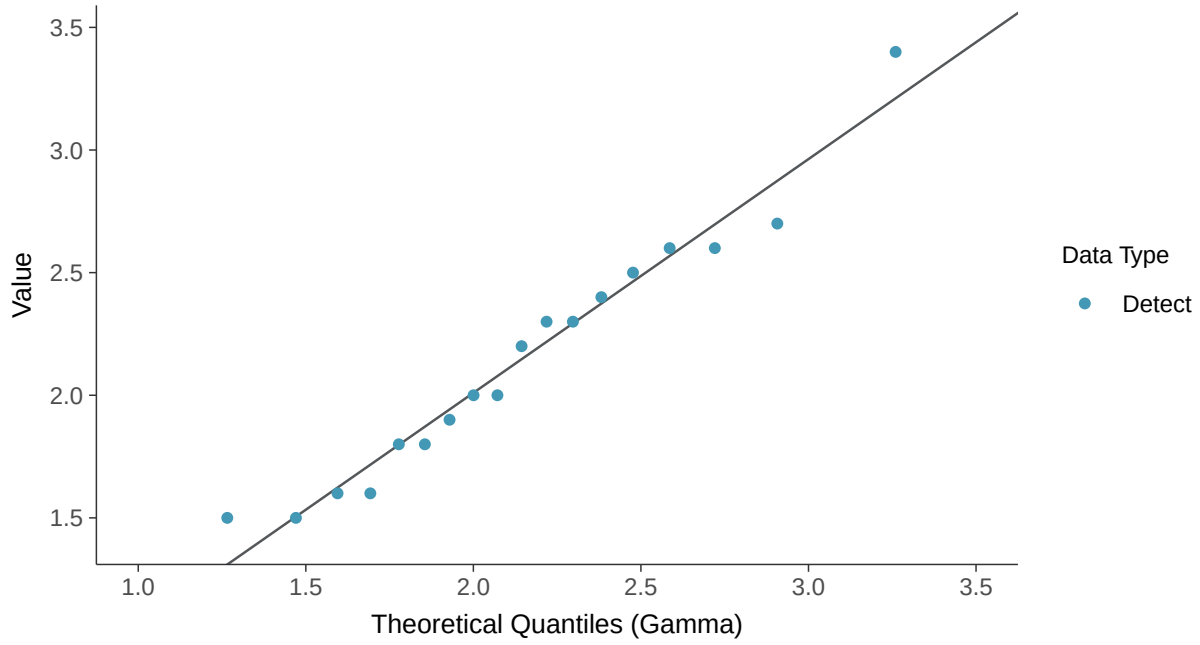
Lognormal Q-Q plot

Boron, MW-19 (mg/L)



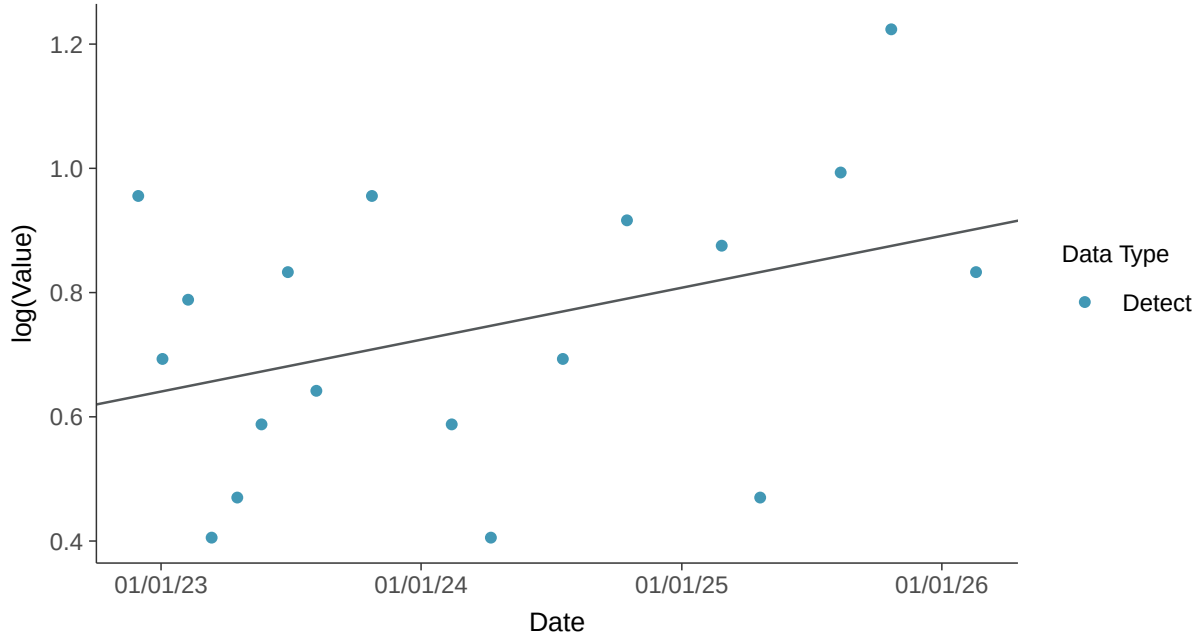
Gamma Q-Q plot

Boron, MW-19 (mg/L)



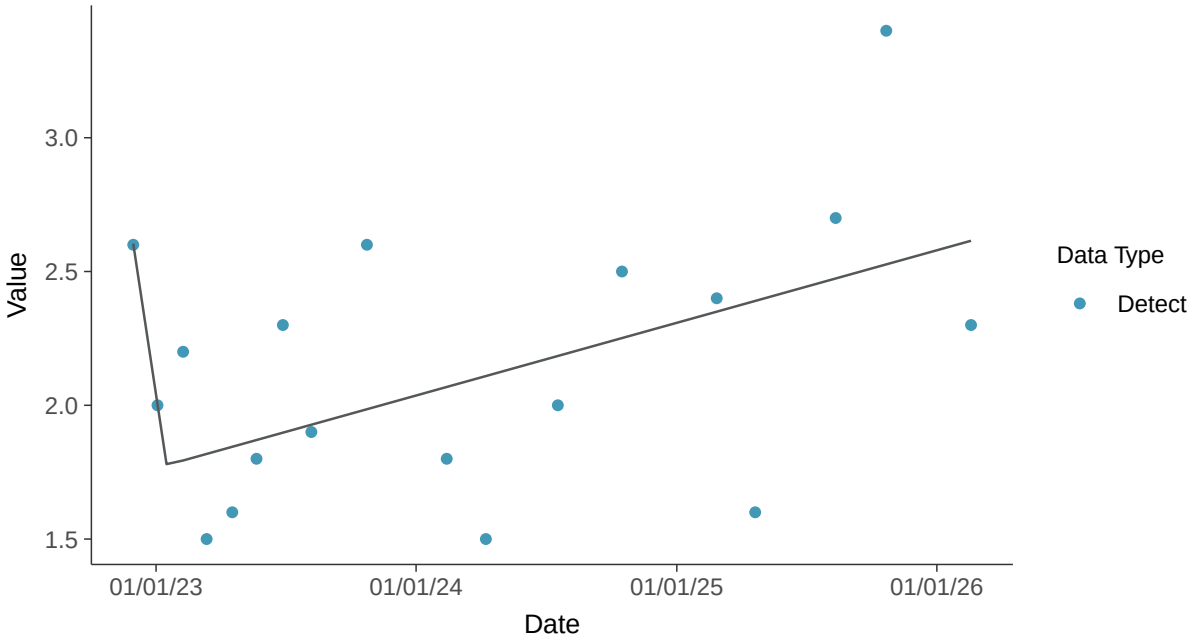
Trend Regression: Lognormal MLE

Boron, MW-19 (mg/L)



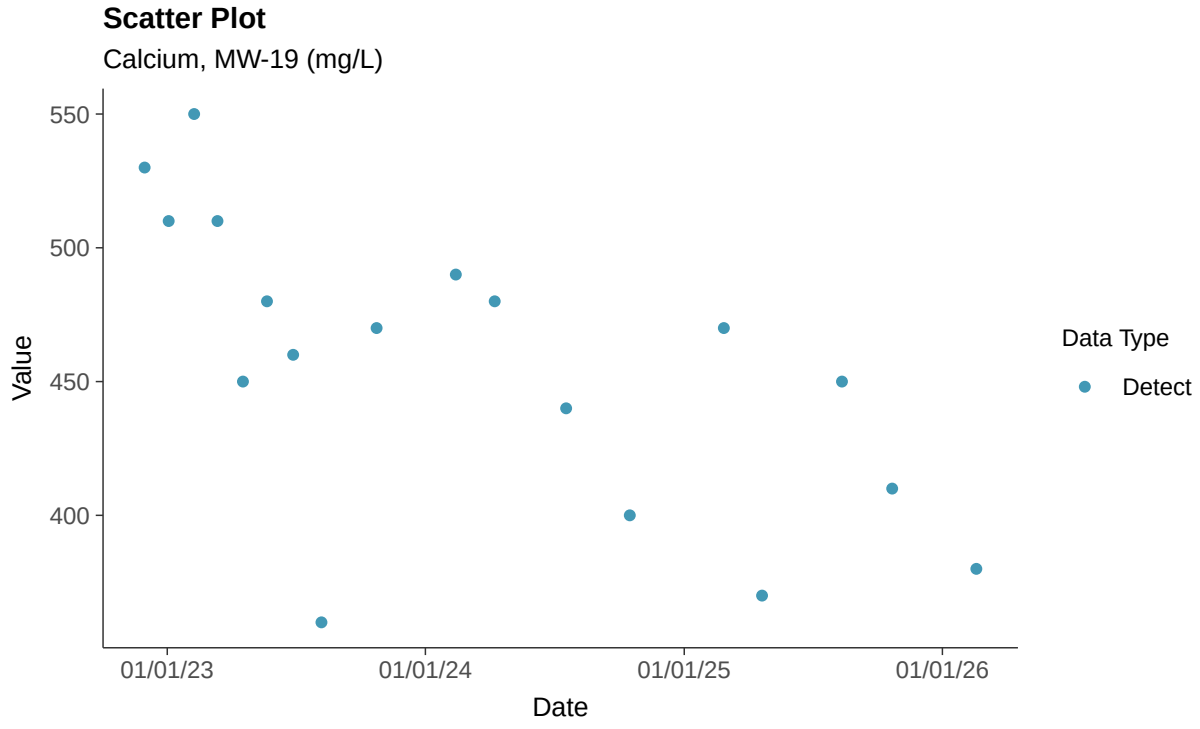
Trend Regression: Piecewise Linear-Linear

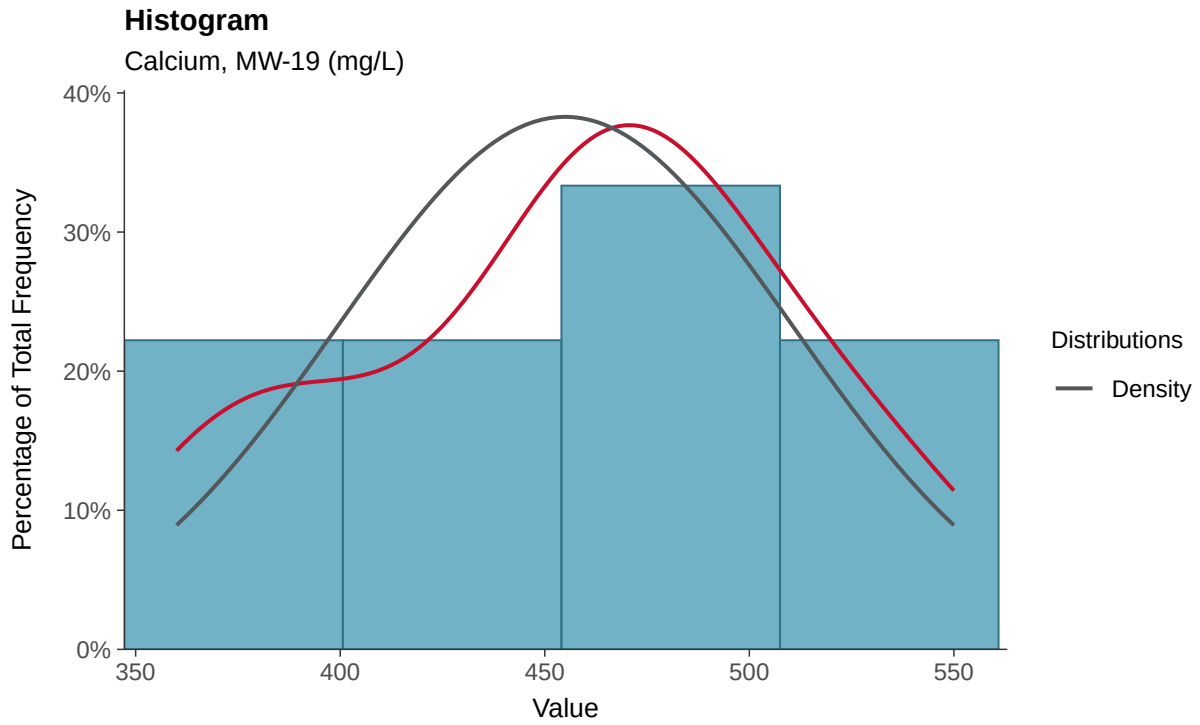
Boron, MW-19 (mg/L)



Appendix III: Calcium, MW-19

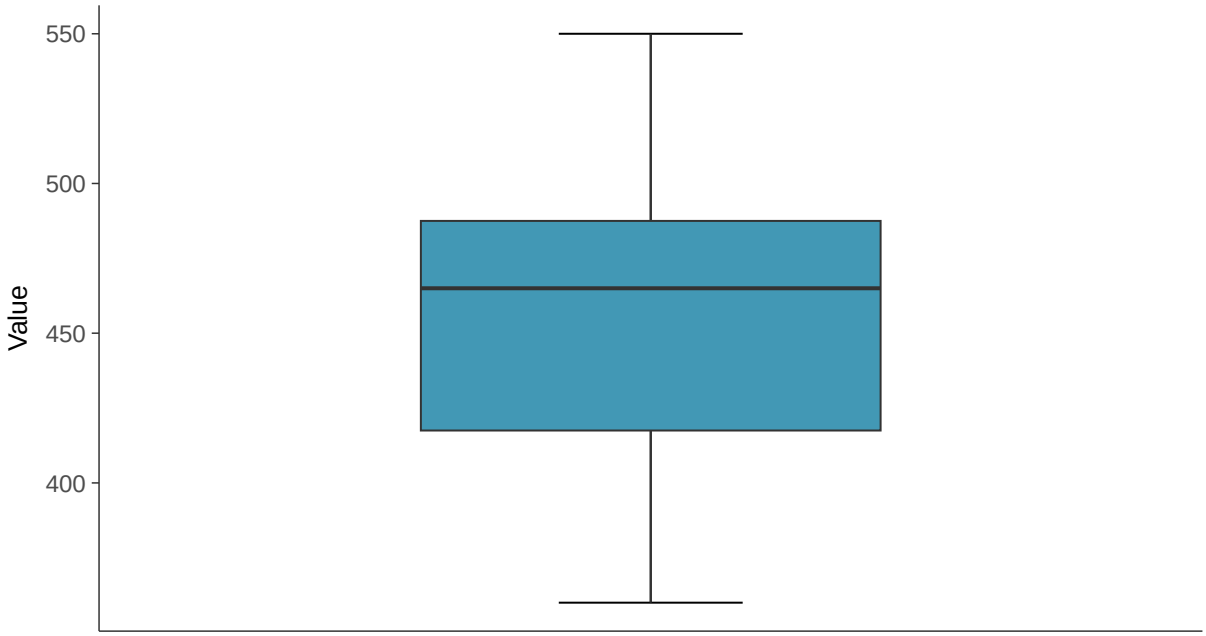
ID: 29_1_3_107





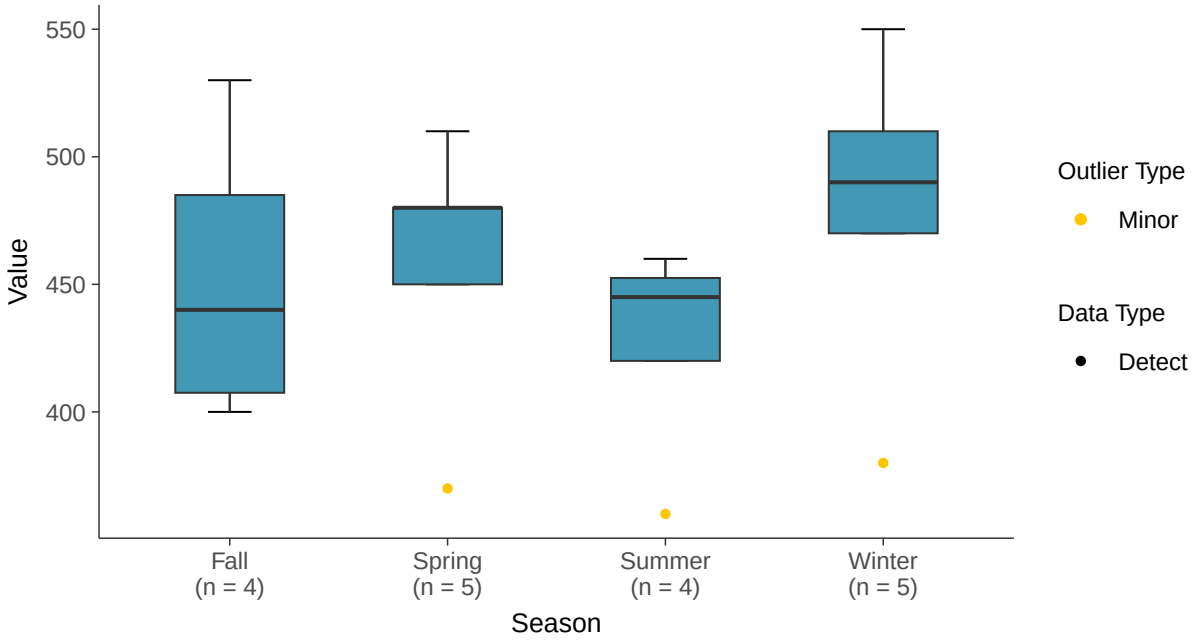
Boxplot

Calcium, MW-19 (mg/L)



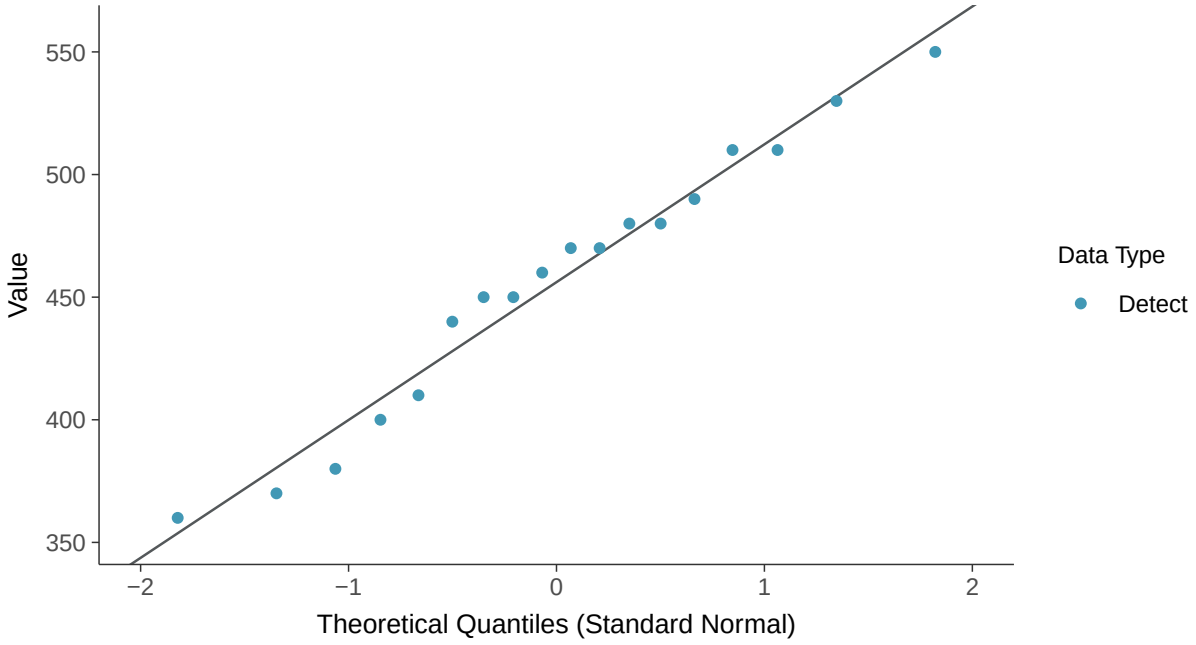
Boxplot by Season

Calcium, MW-19 (mg/L)



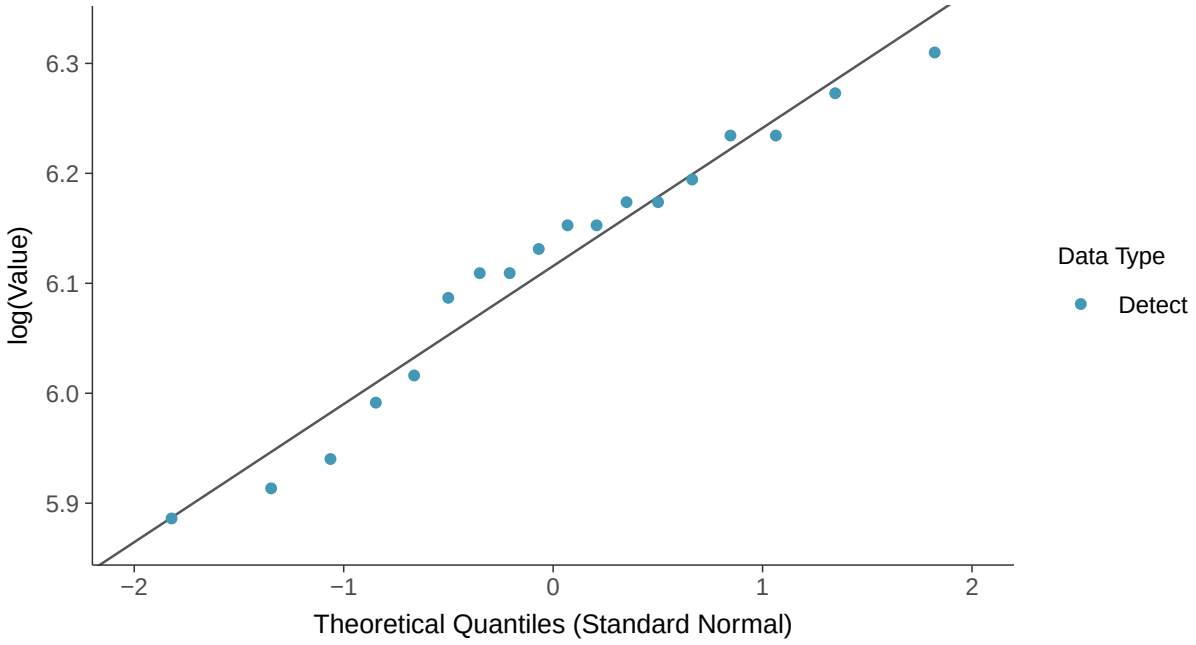
Normal Q-Q plot

Calcium, MW-19 (mg/L)



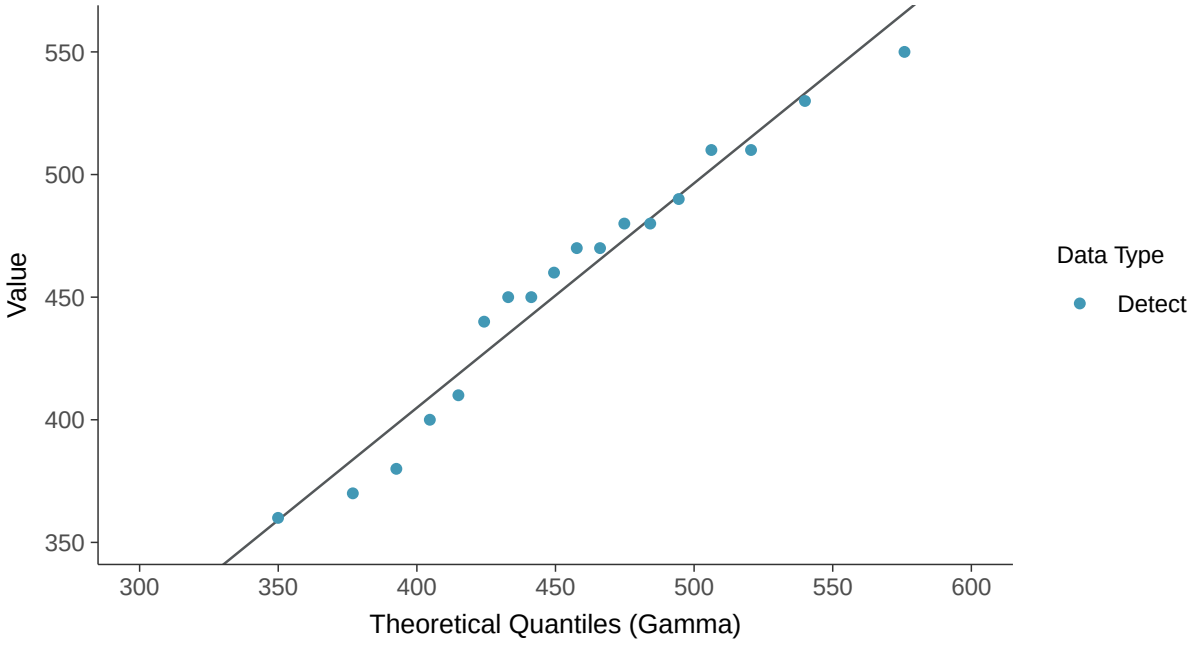
Lognormal Q-Q plot

Calcium, MW-19 (mg/L)



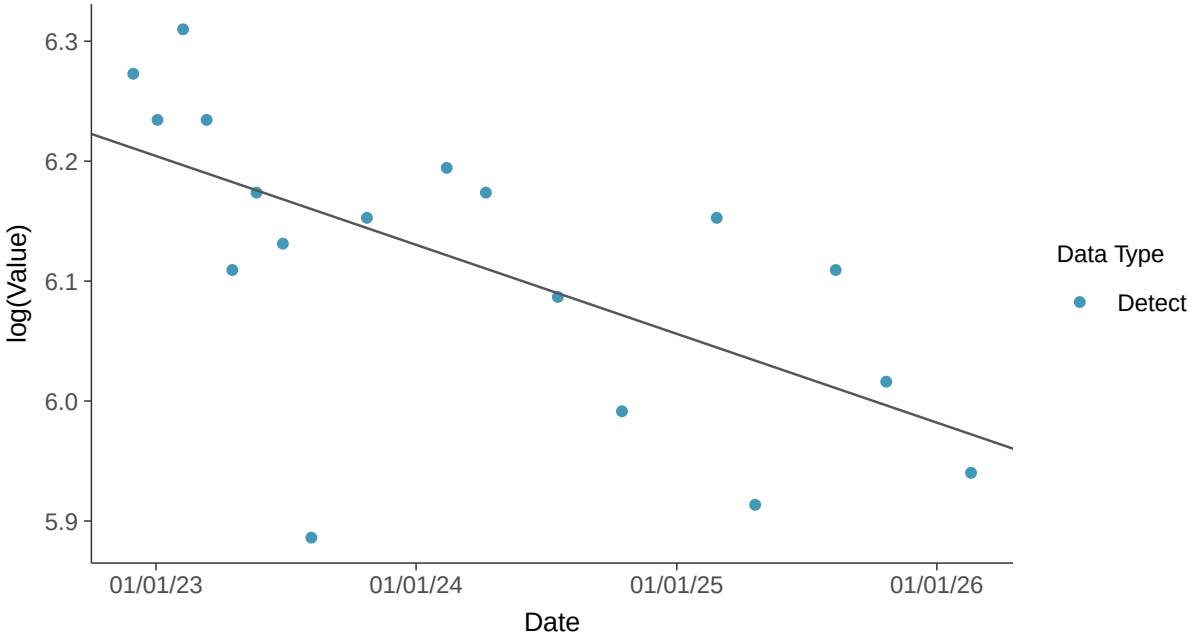
Gamma Q-Q plot

Calcium, MW-19 (mg/L)



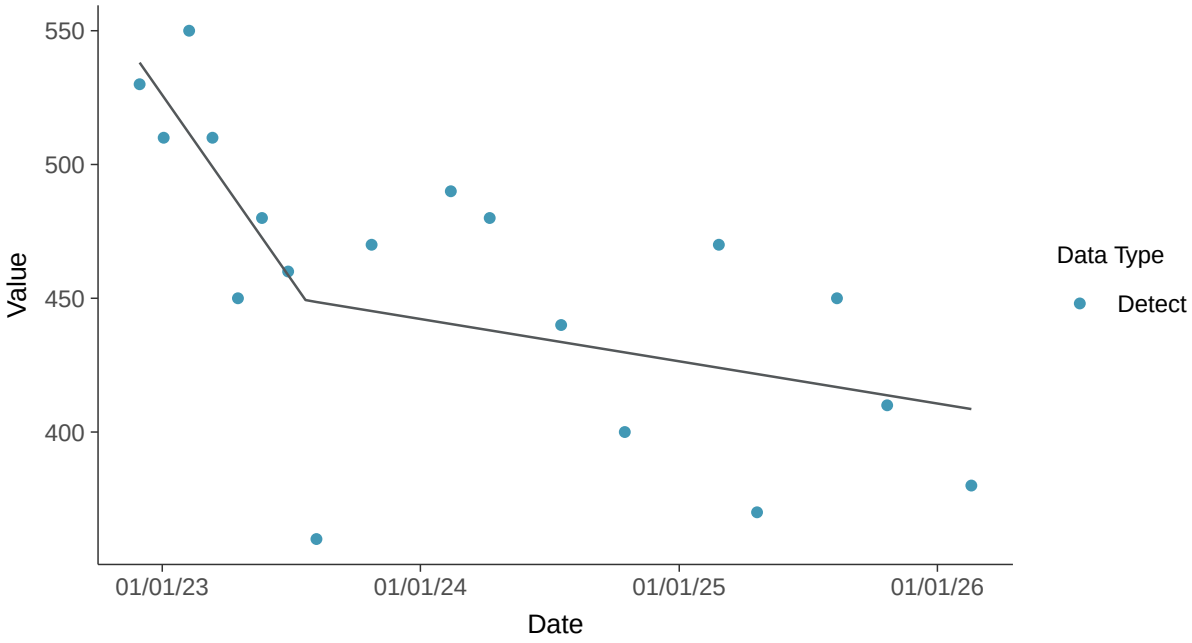
Trend Regression: Lognormal MLE

Calcium, MW-19 (mg/L)



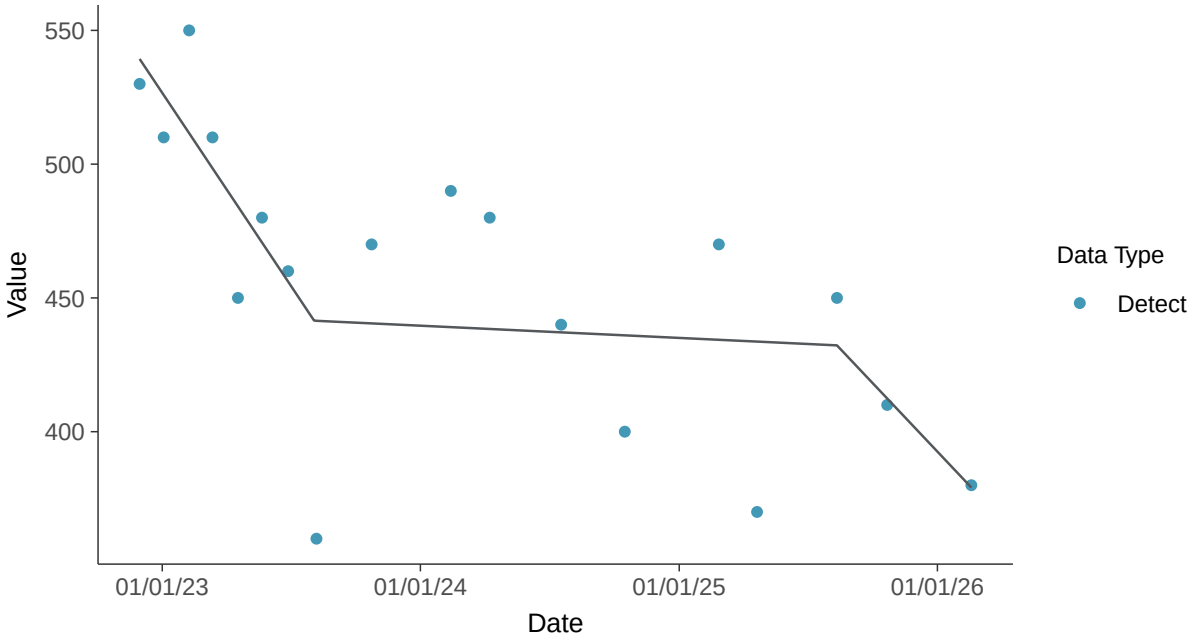
Trend Regression: Piecewise Linear-Linear

Calcium, MW-19 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Calcium, MW-19 (mg/L)

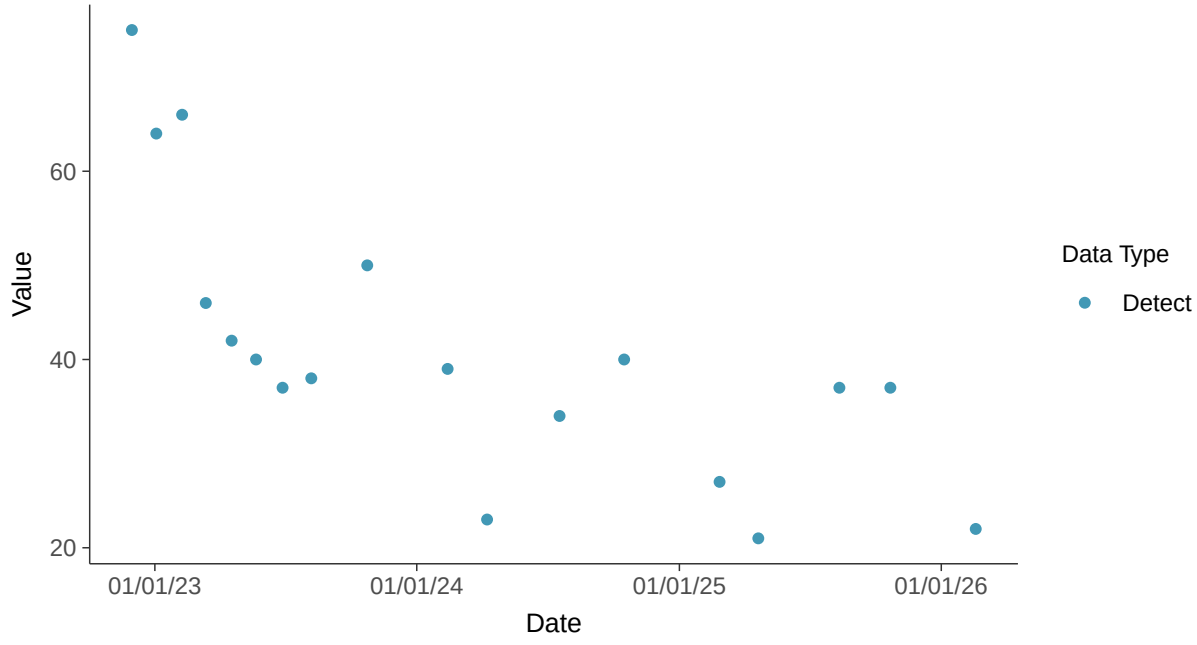


Appendix III: Chloride (as Cl), MW-19

ID: 29_1_3_108

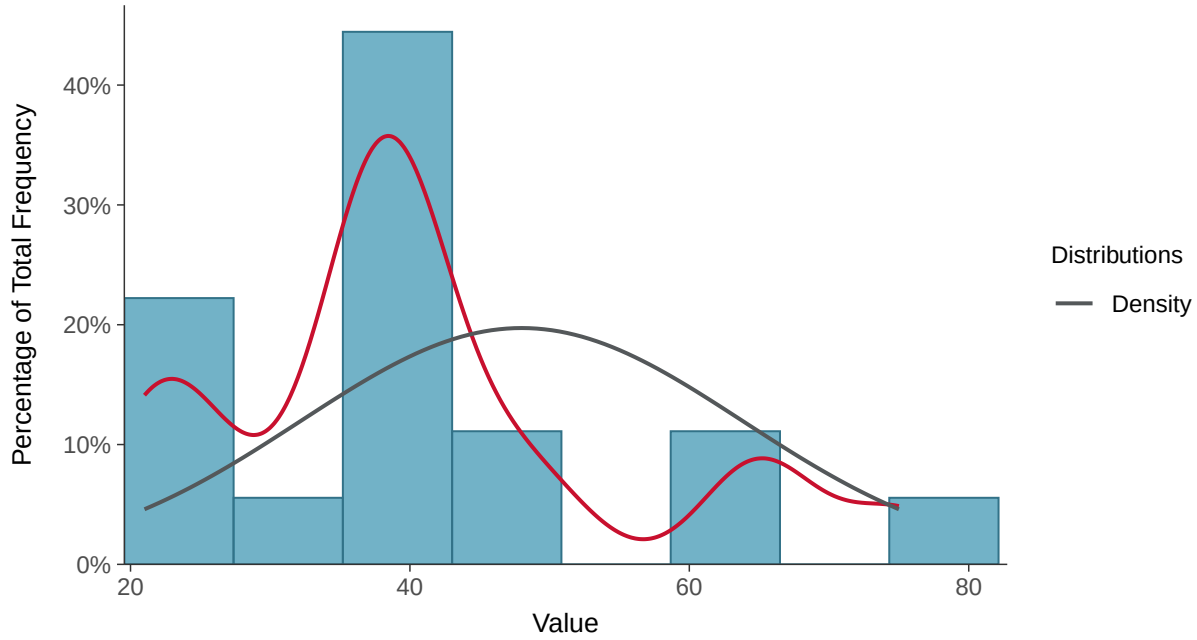
Scatter Plot

Chloride (as Cl), MW-19 (mg/L)



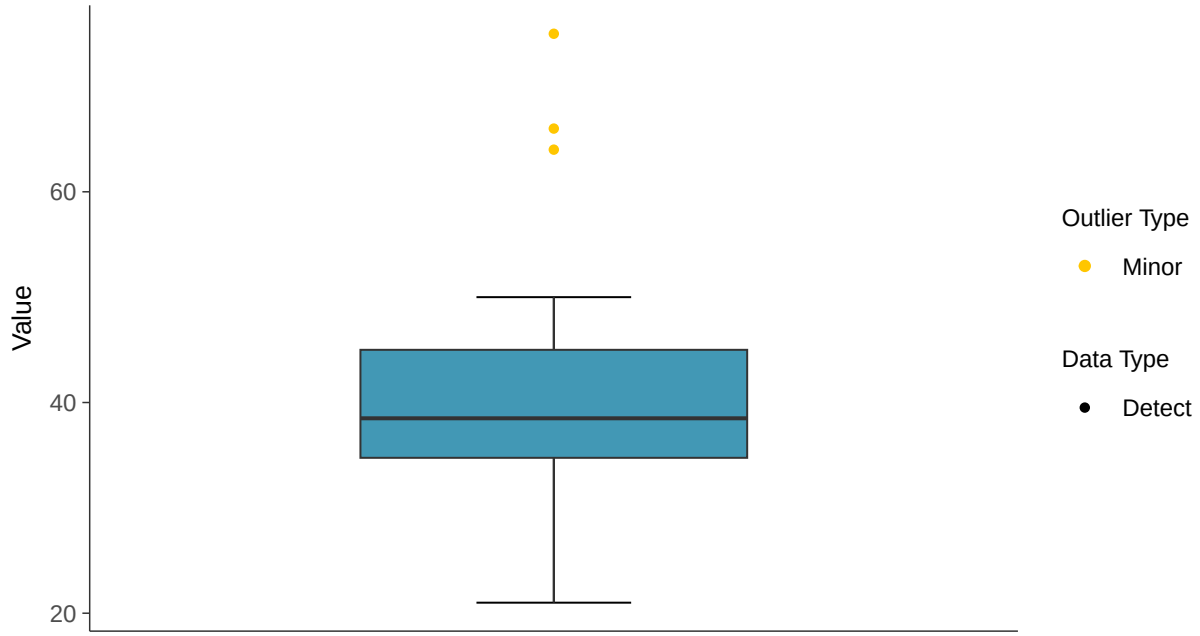
Histogram

Chloride (as Cl), MW-19 (mg/L)



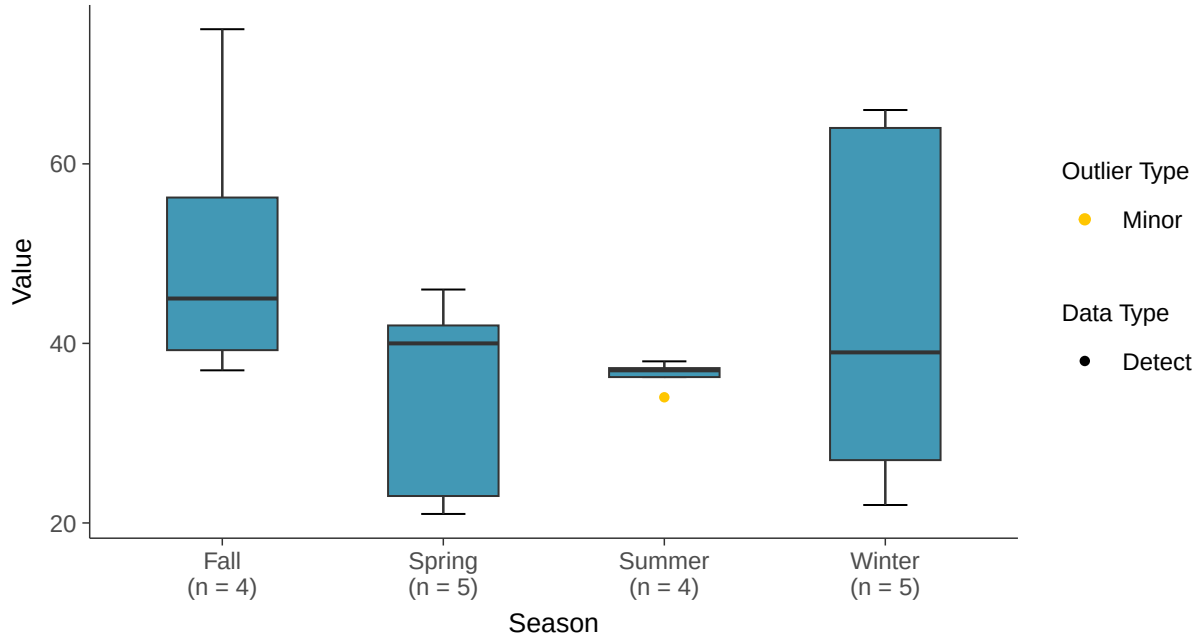
Boxplot

Chloride (as Cl), MW-19 (mg/L)



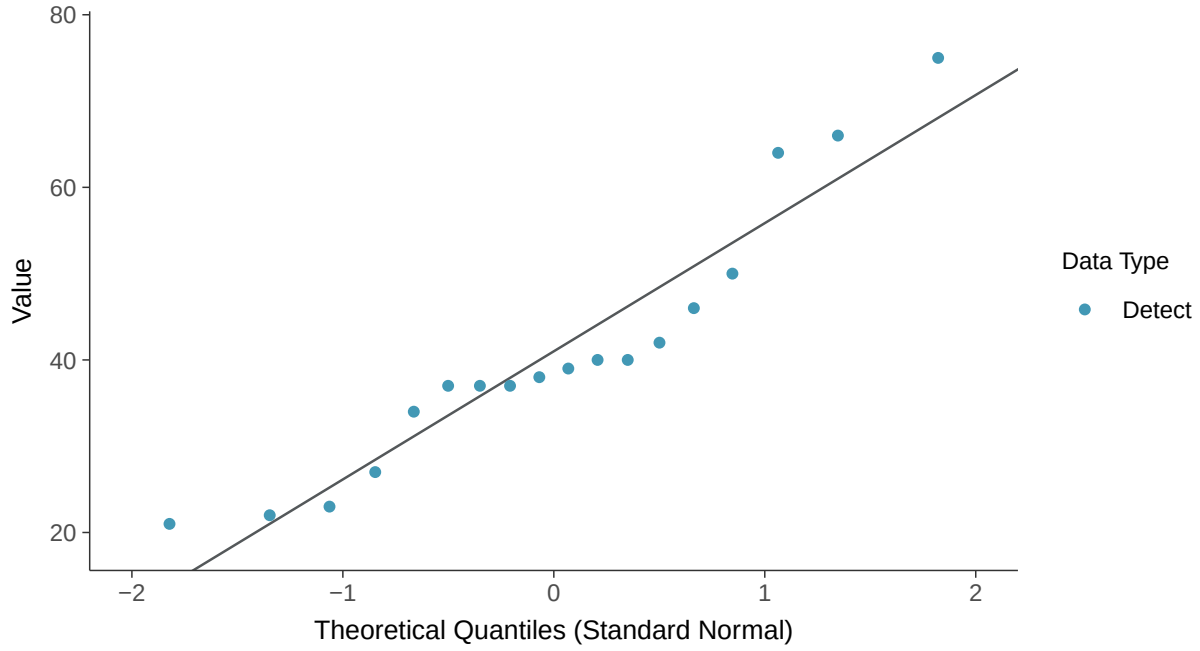
Boxplot by Season

Chloride (as Cl), MW-19 (mg/L)



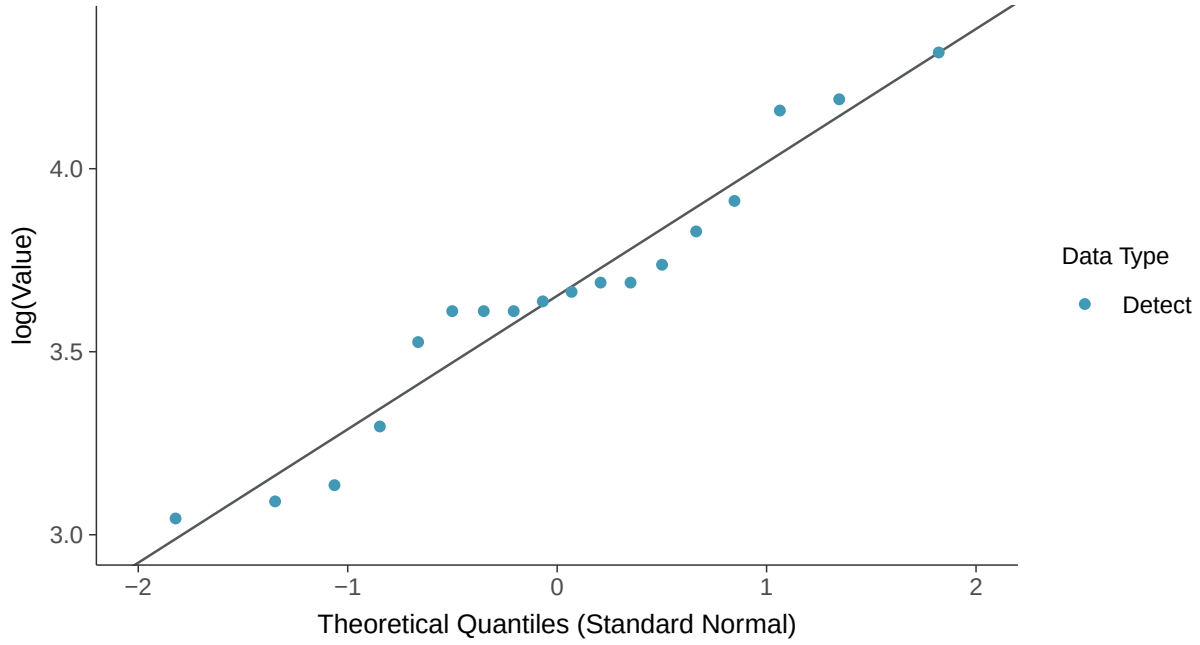
Normal Q-Q plot

Chloride (as Cl), MW-19 (mg/L)



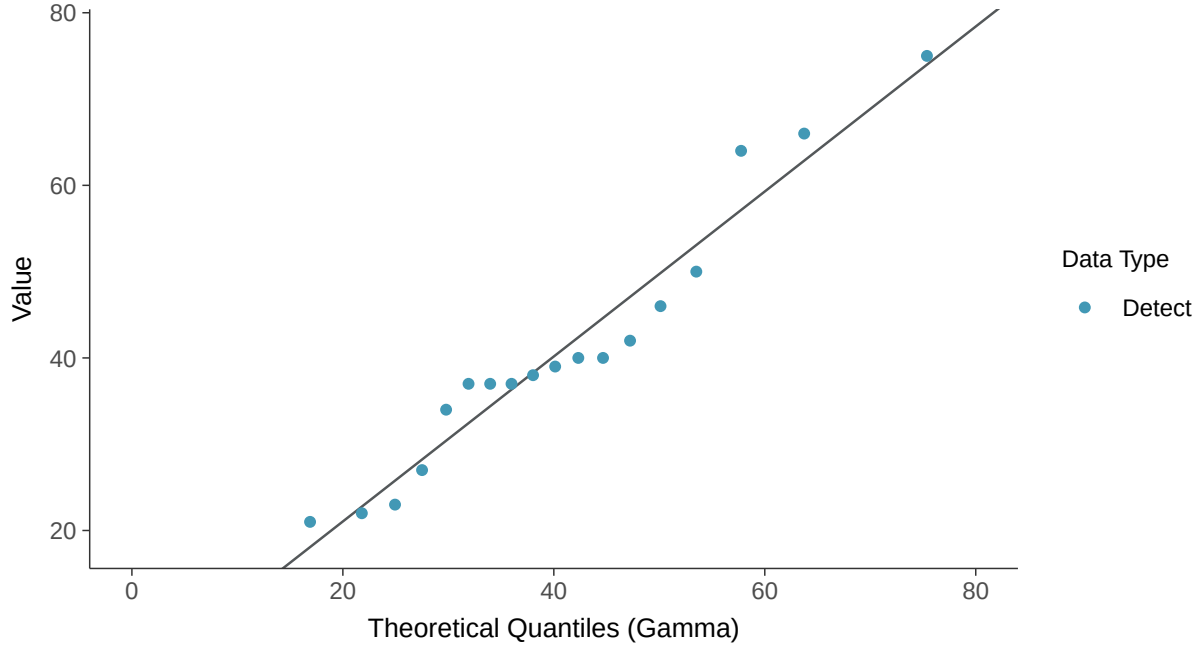
Lognormal Q-Q plot

Chloride (as Cl), MW-19 (mg/L)



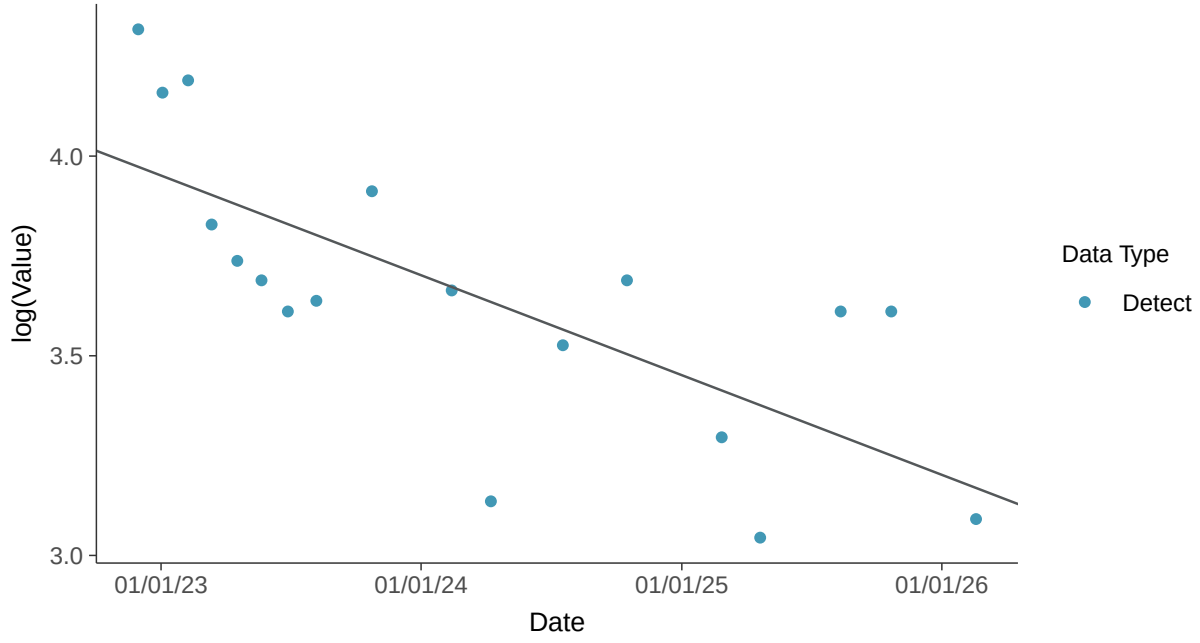
Gamma Q-Q plot

Chloride (as Cl), MW-19 (mg/L)



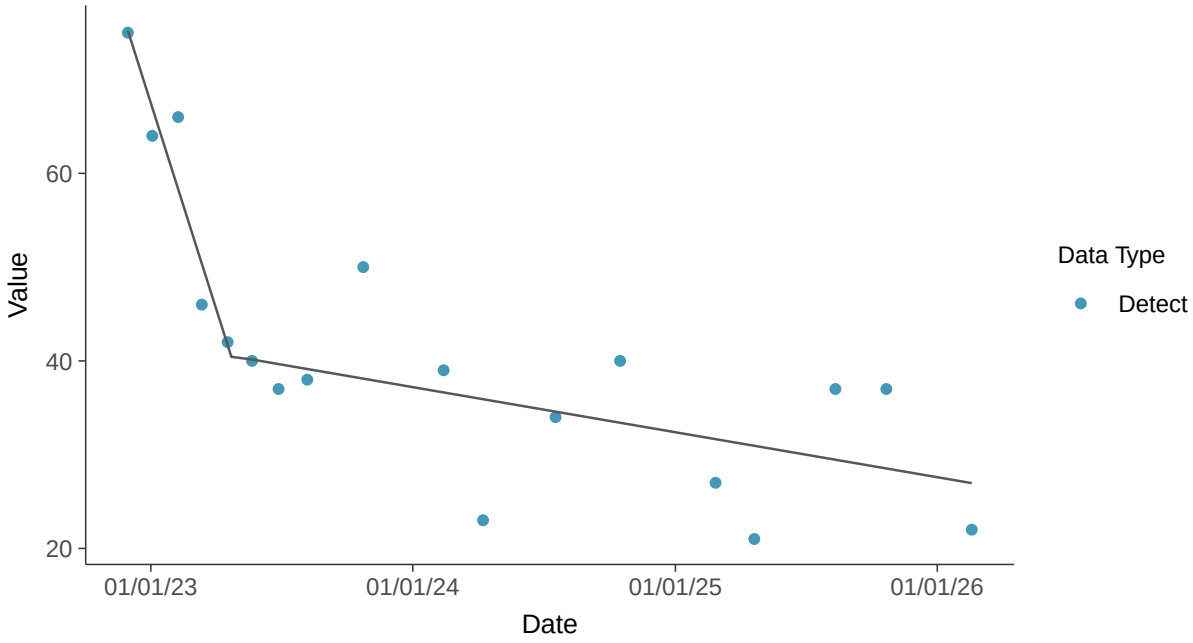
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-19 (mg/L)



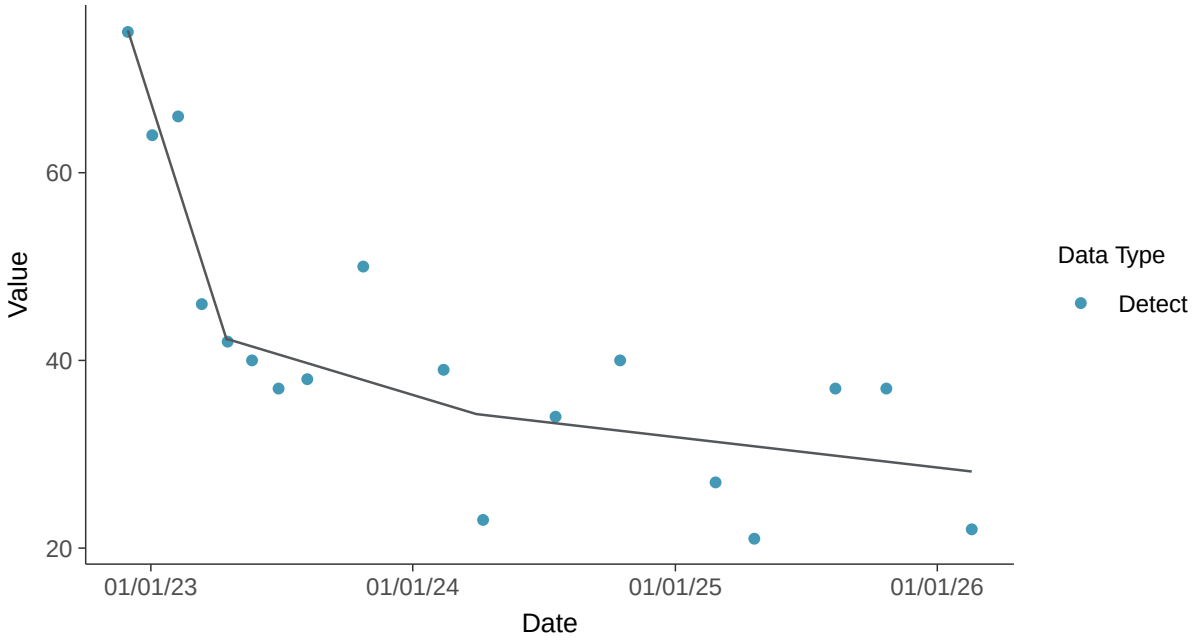
Trend Regression: Piecewise Linear-Linear

Chloride (as Cl), MW-19 (mg/L)



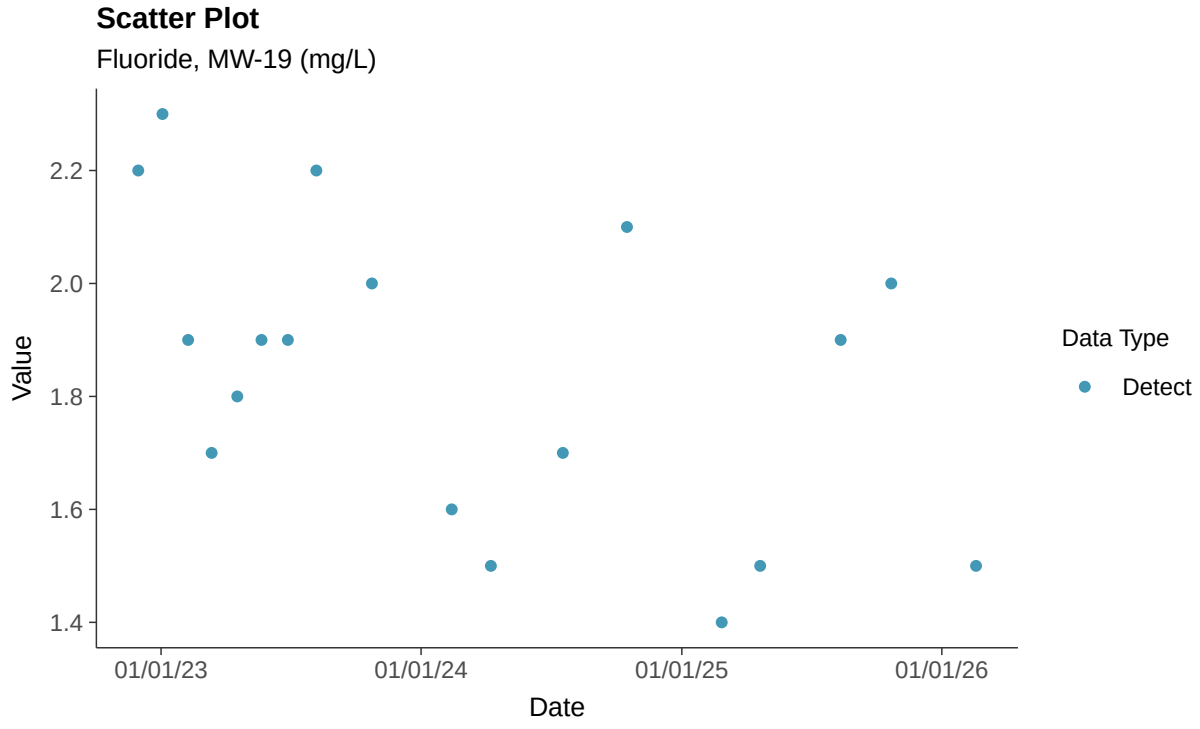
Trend Regression: Piecewise Linear-Linear-Linear

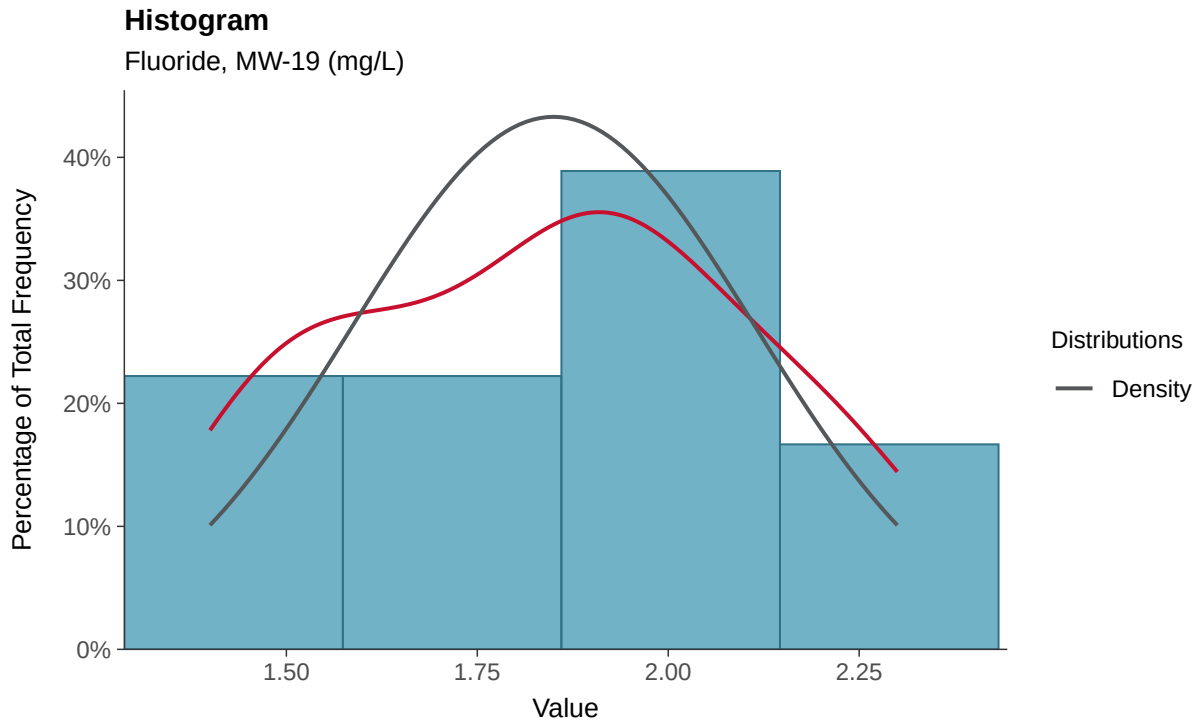
Chloride (as Cl), MW-19 (mg/L)



Appendix III: Fluoride, MW-19

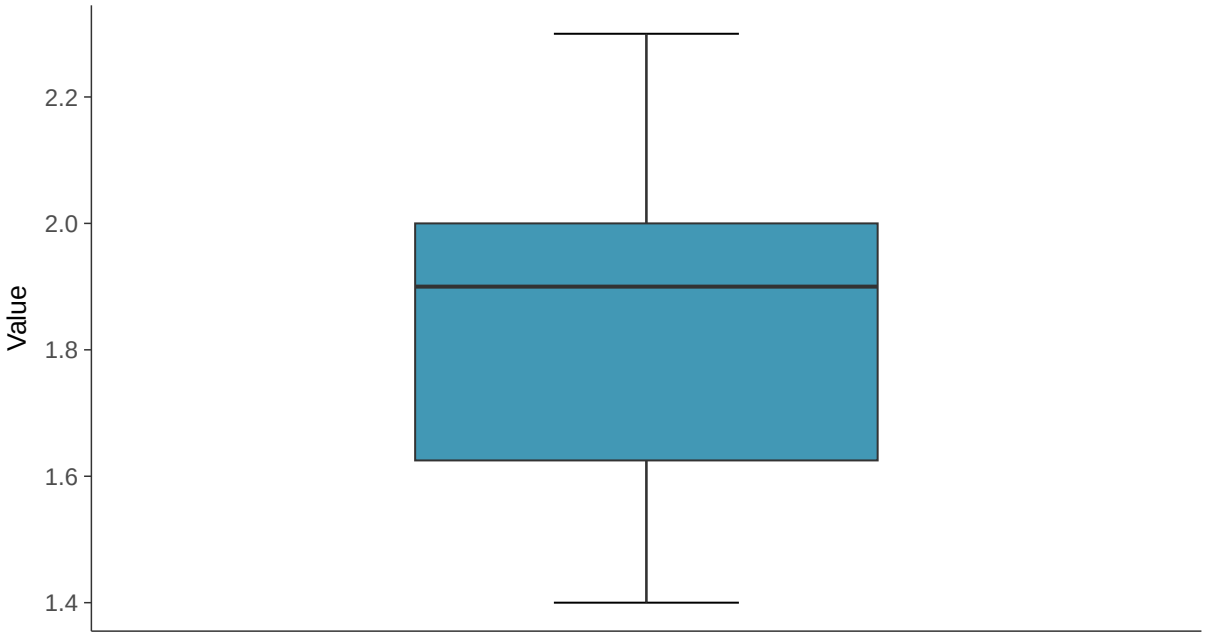
ID: 29_1_3_112





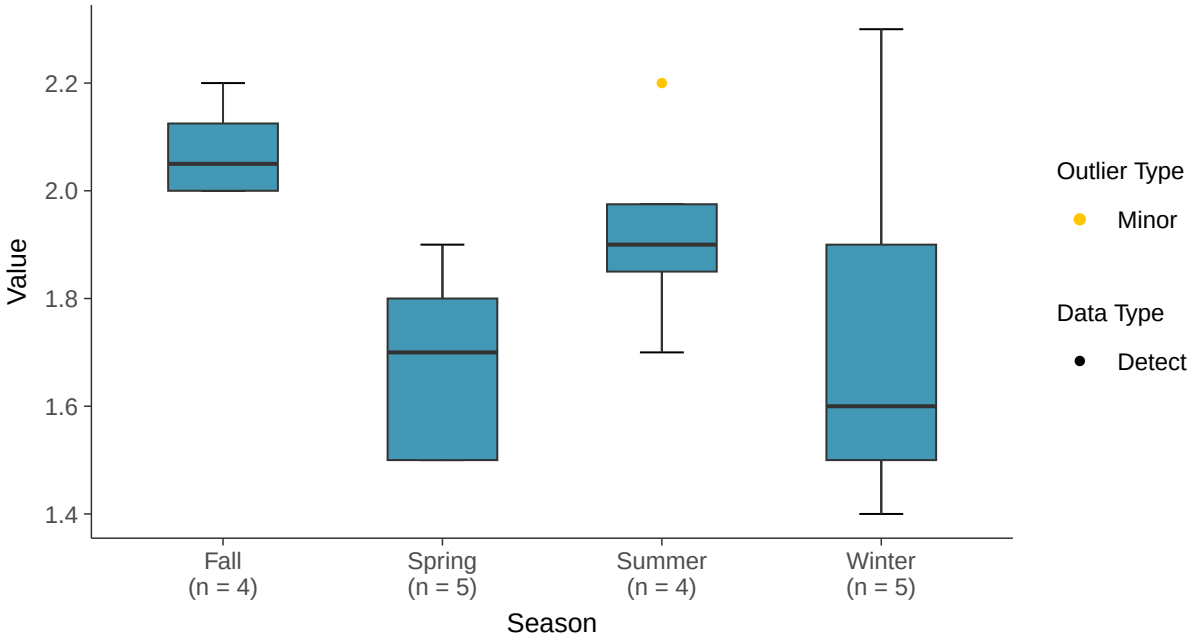
Boxplot

Fluoride, MW-19 (mg/L)



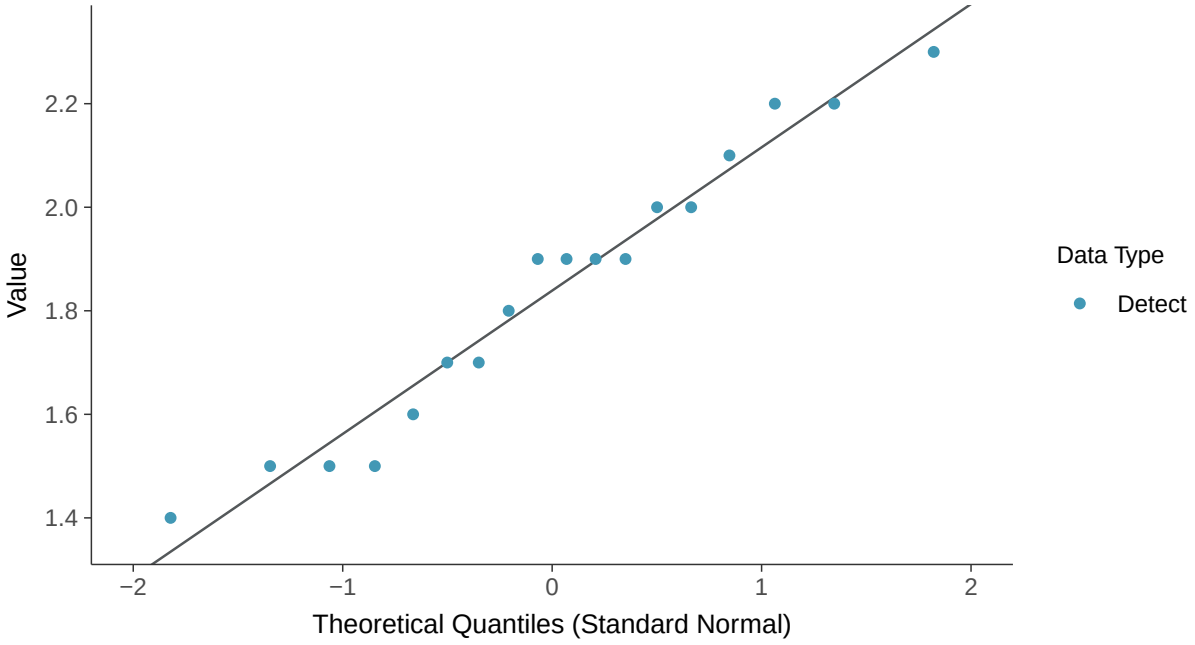
Boxplot by Season

Fluoride, MW-19 (mg/L)



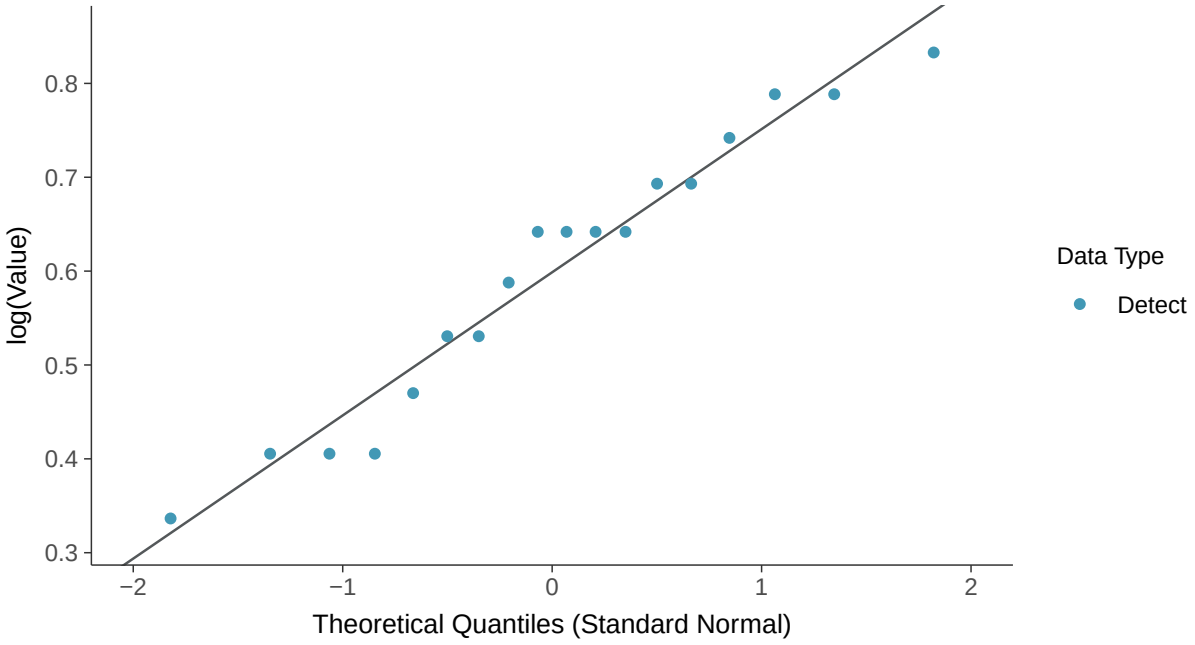
Normal Q-Q plot

Fluoride, MW-19 (mg/L)



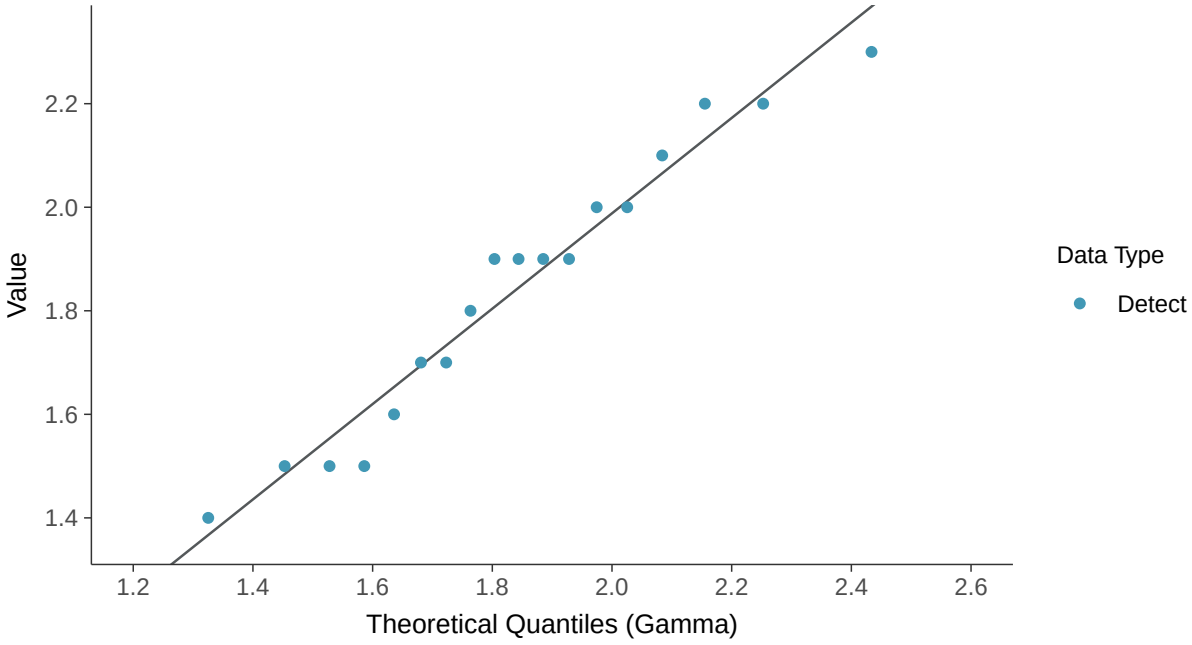
Lognormal Q-Q plot

Fluoride, MW-19 (mg/L)



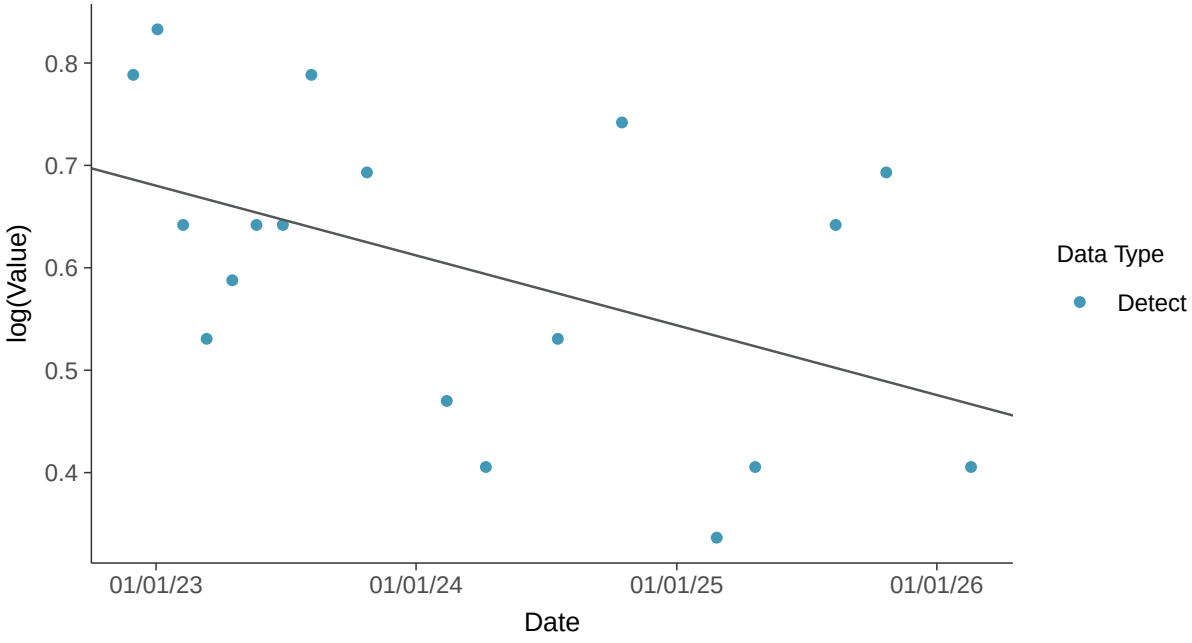
Gamma Q-Q plot

Fluoride, MW-19 (mg/L)



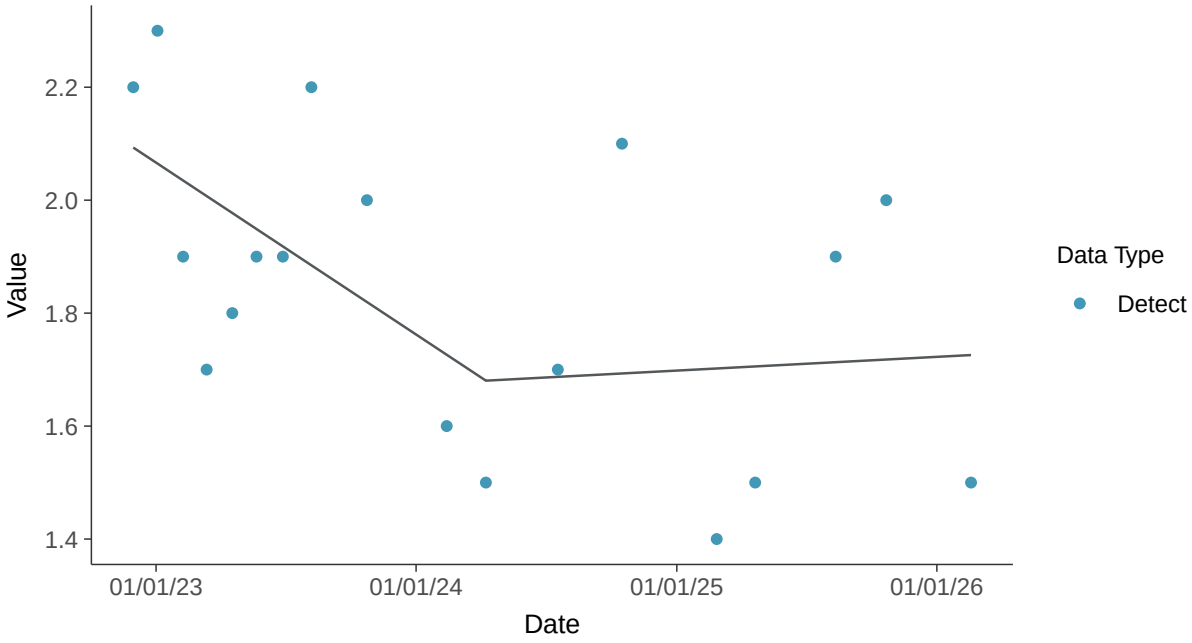
Trend Regression: Lognormal MLE

Fluoride, MW-19 (mg/L)



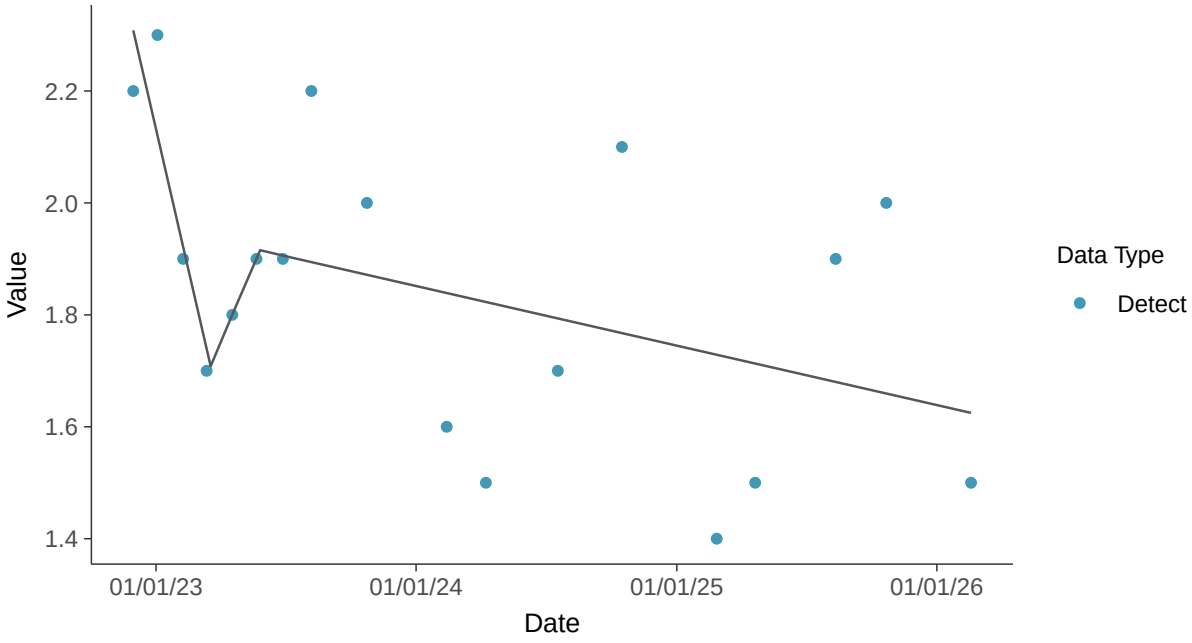
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-19 (mg/L)



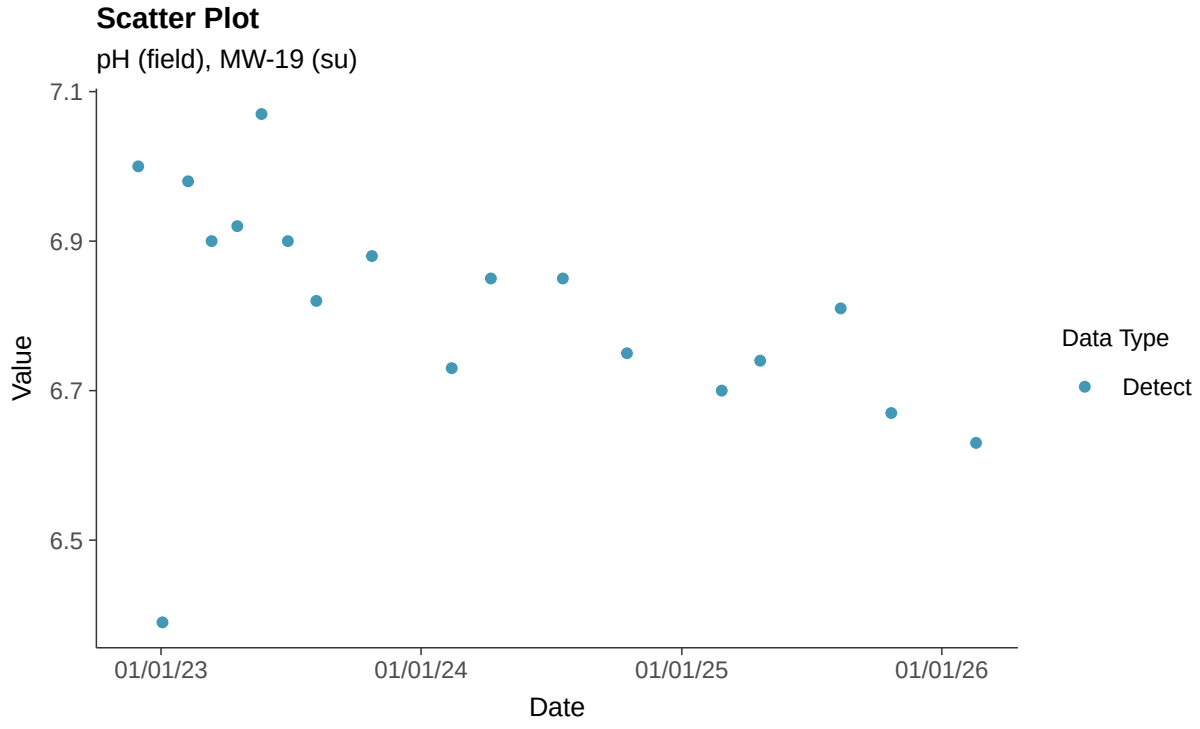
Trend Regression: Piecewise Linear-Linear-Linear

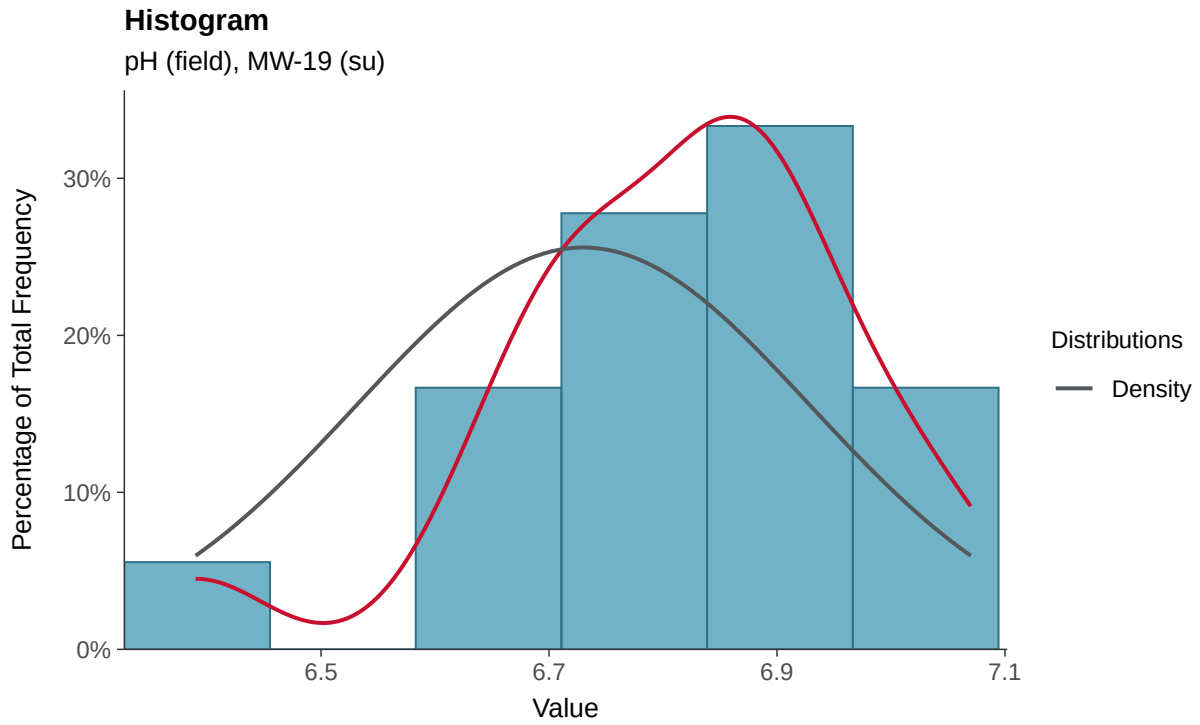
Fluoride, MW-19 (mg/L)



Appendix III: pH (field), MW-19

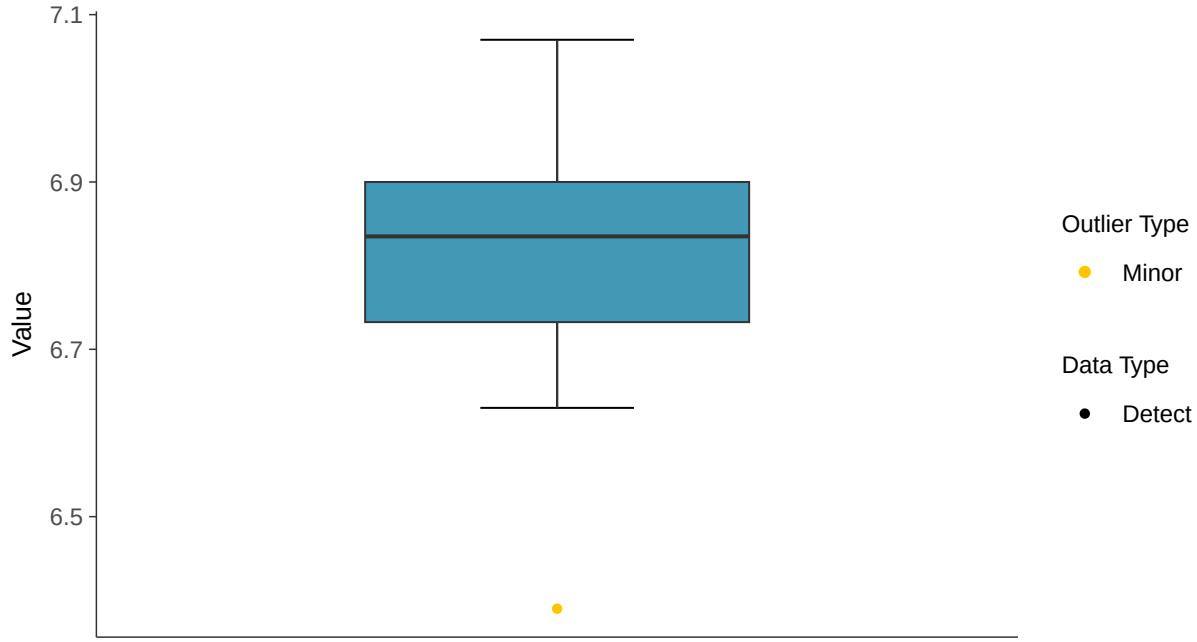
ID: 29_1_3_120





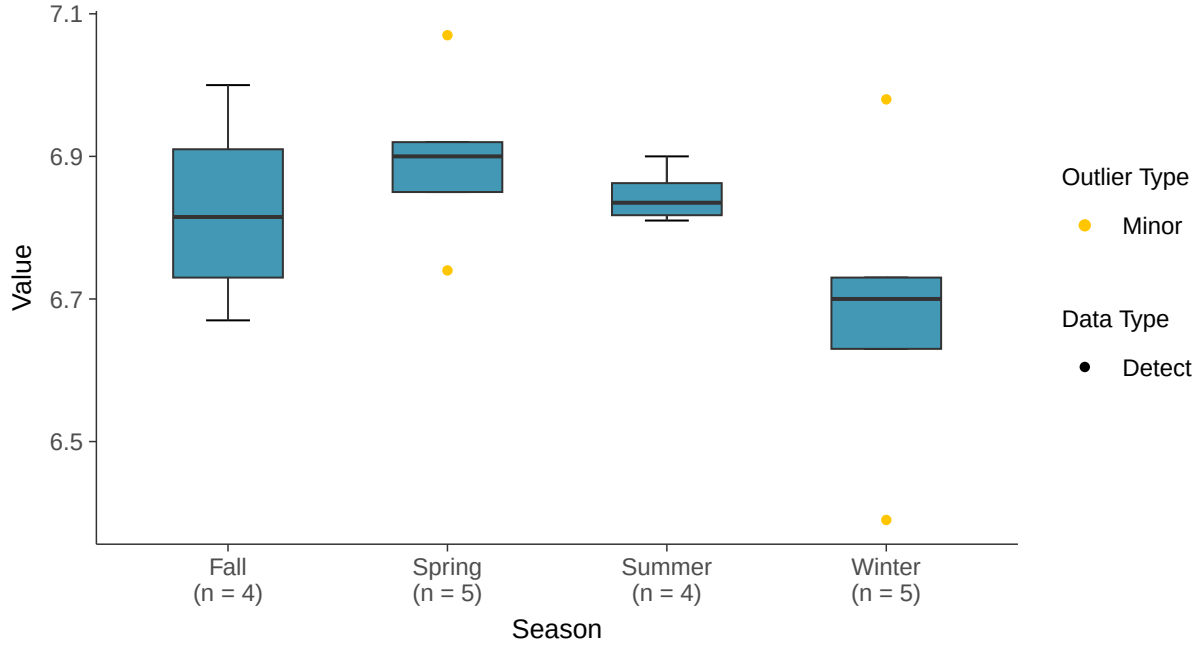
Boxplot

pH (field), MW-19 (su)



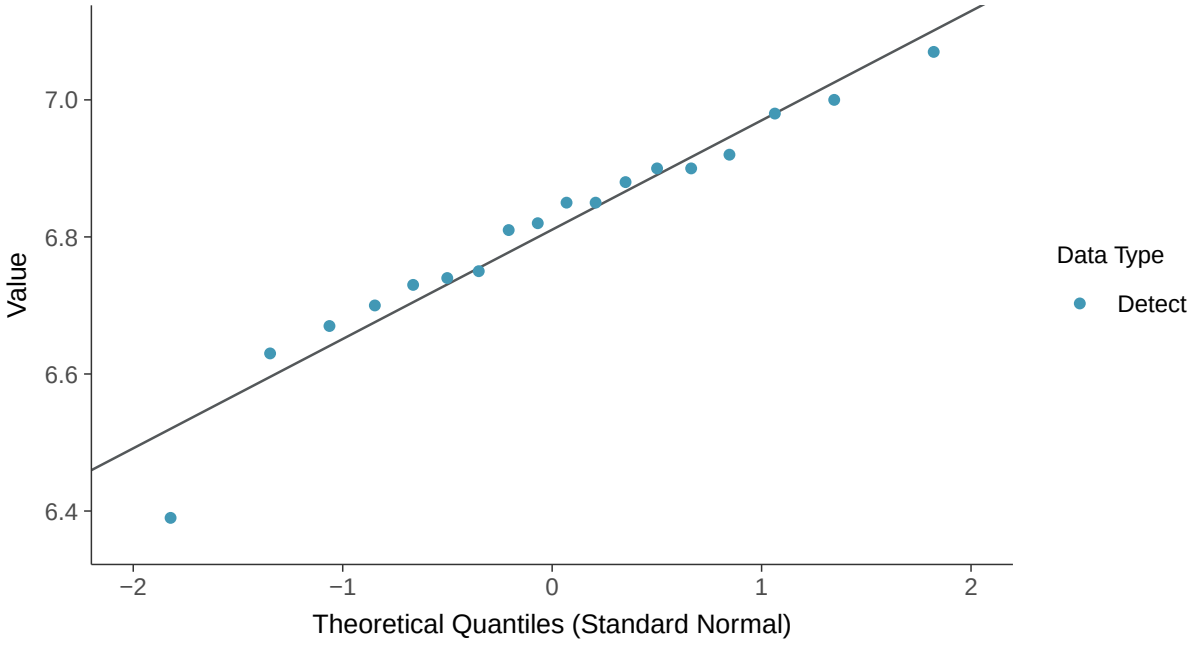
Boxplot by Season

pH (field), MW-19 (su)



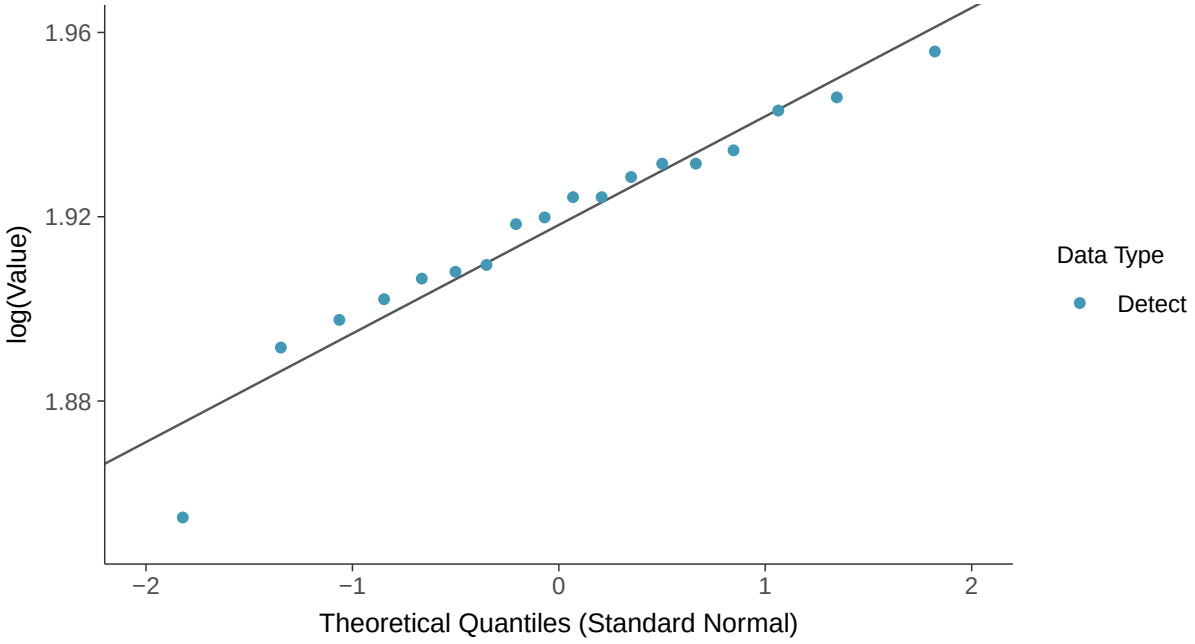
Normal Q-Q plot

pH (field), MW-19 (su)



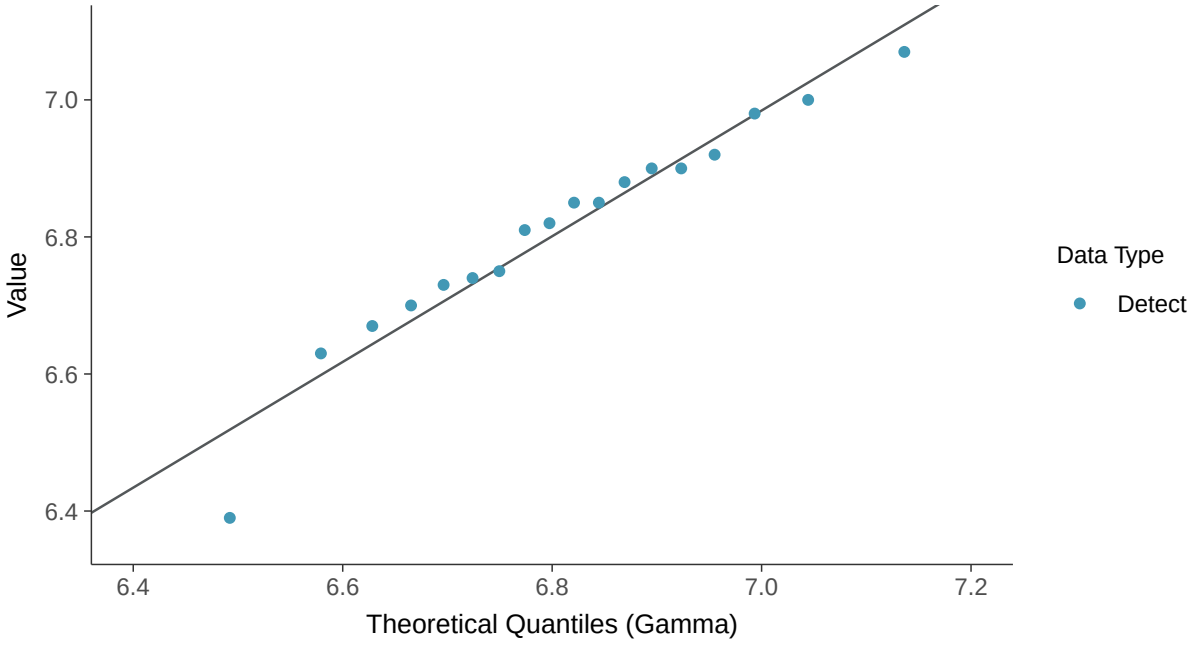
Lognormal Q-Q plot

pH (field), MW-19 (su)



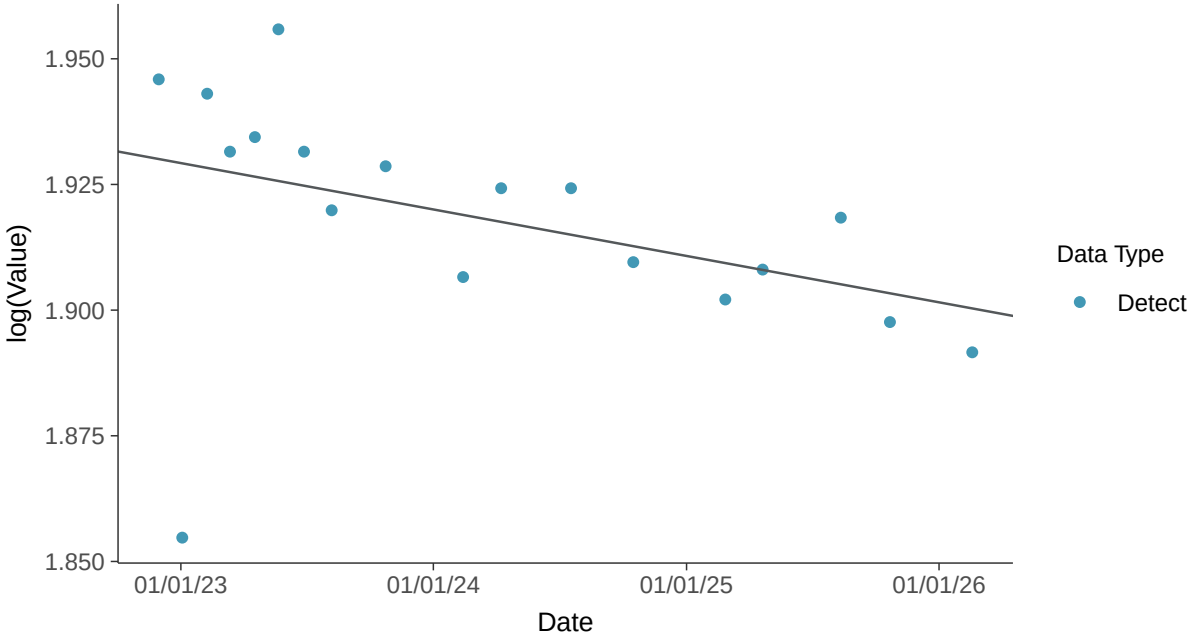
Gamma Q-Q plot

pH (field), MW-19 (su)



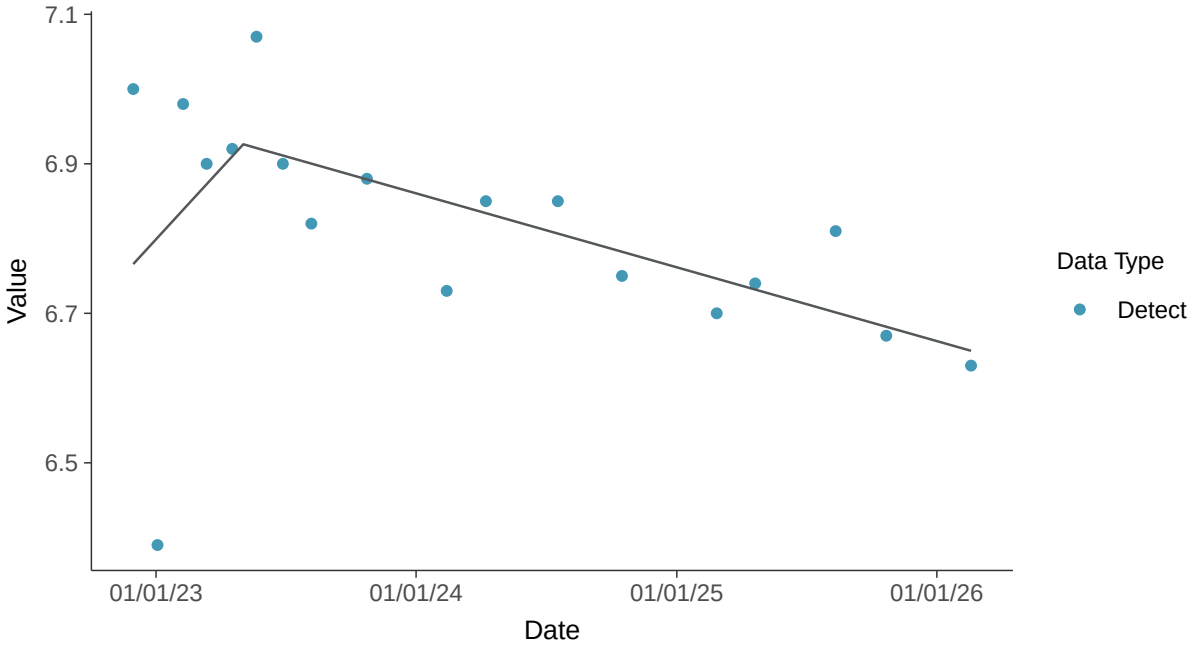
Trend Regression: Lognormal MLE

pH (field), MW-19 (su)



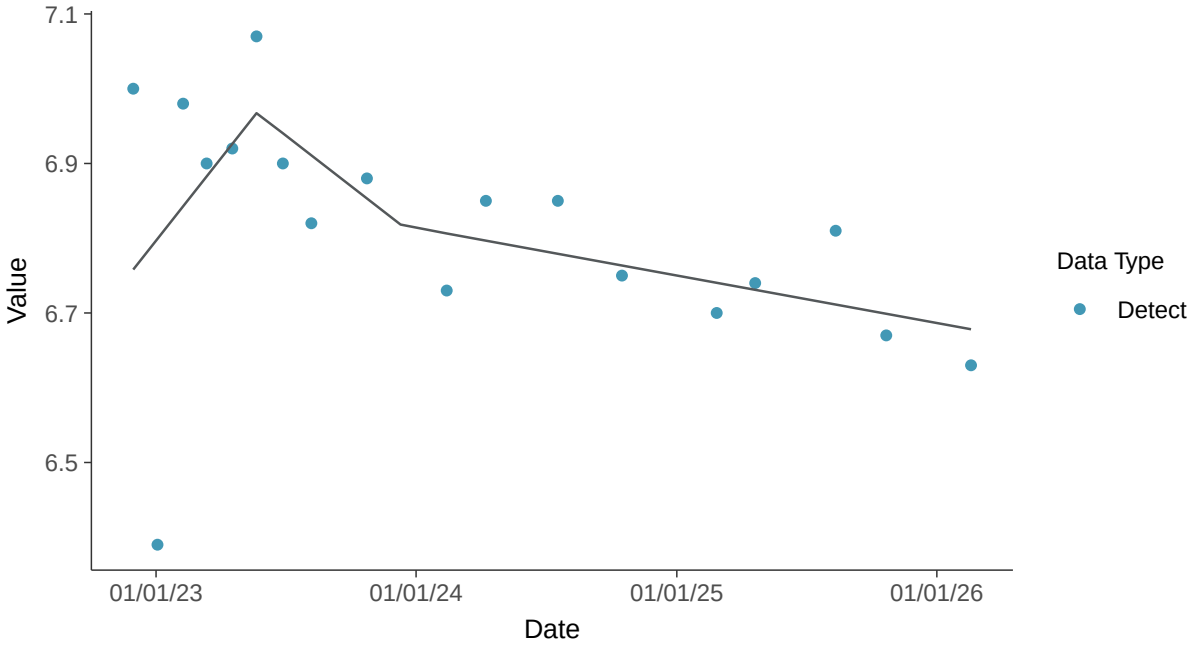
Trend Regression: Piecewise Linear-Linear

pH (field), MW-19 (su)



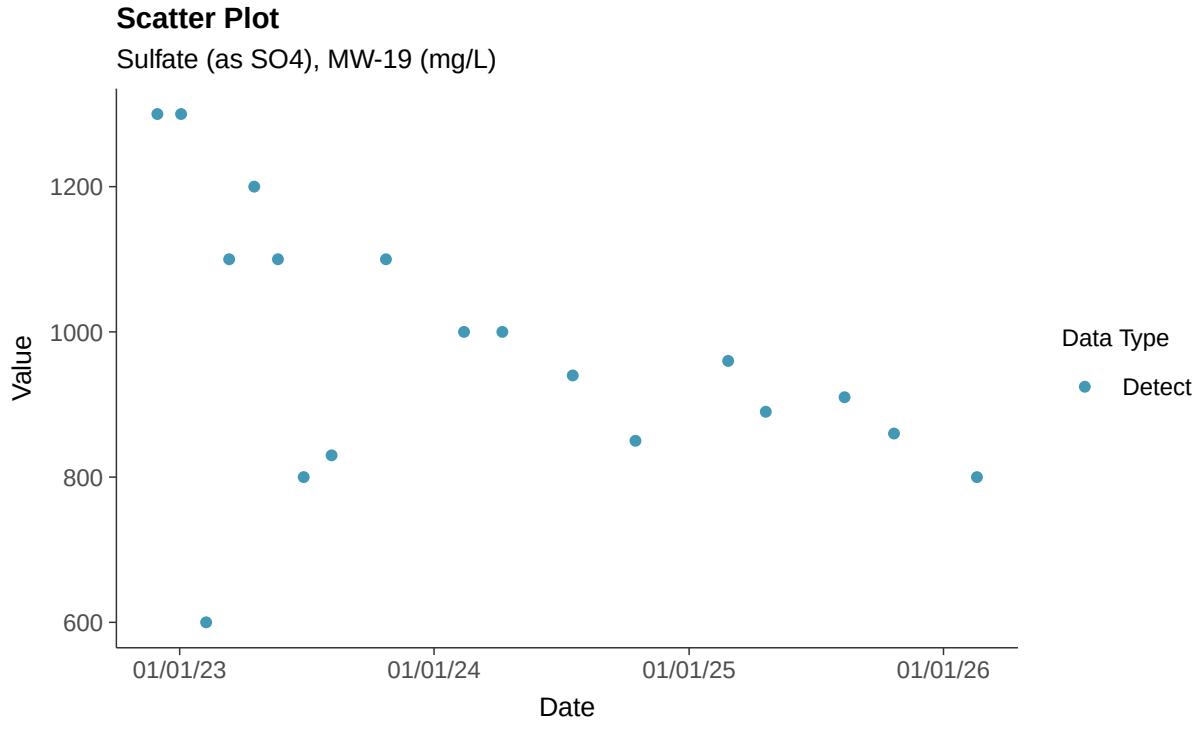
Trend Regression: Piecewise Linear-Linear-Linear

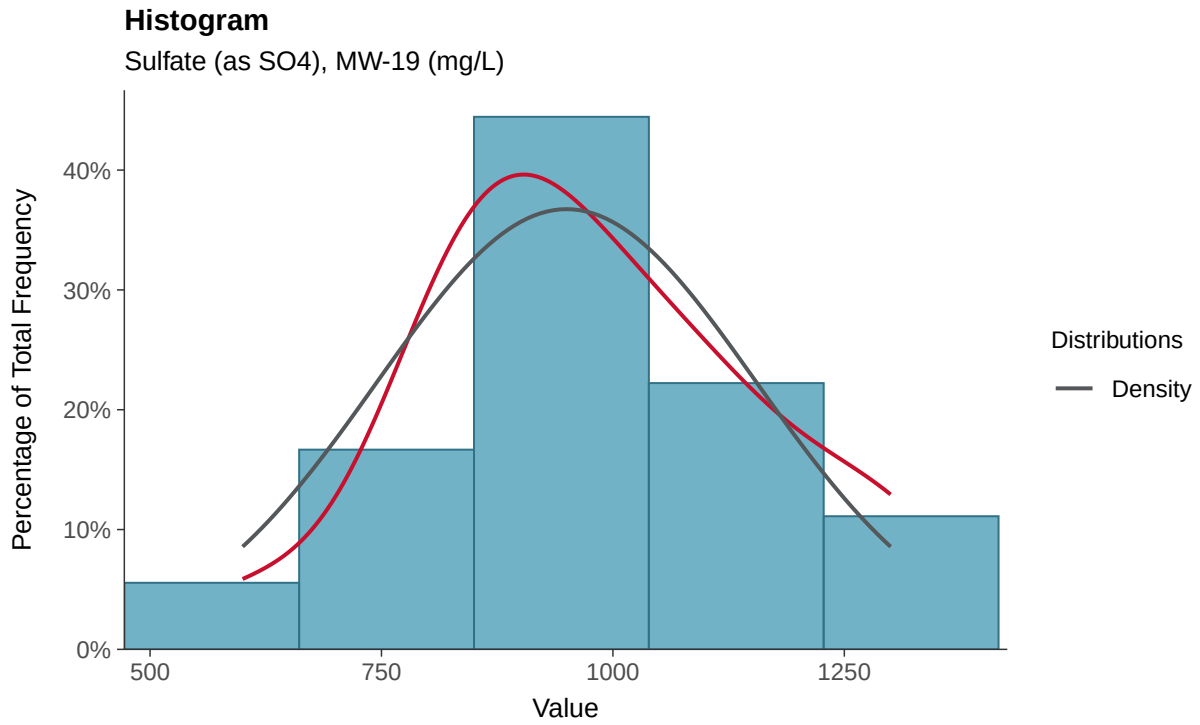
pH (field), MW-19 (su)



Appendix III: Sulfate (as SO4), MW-19

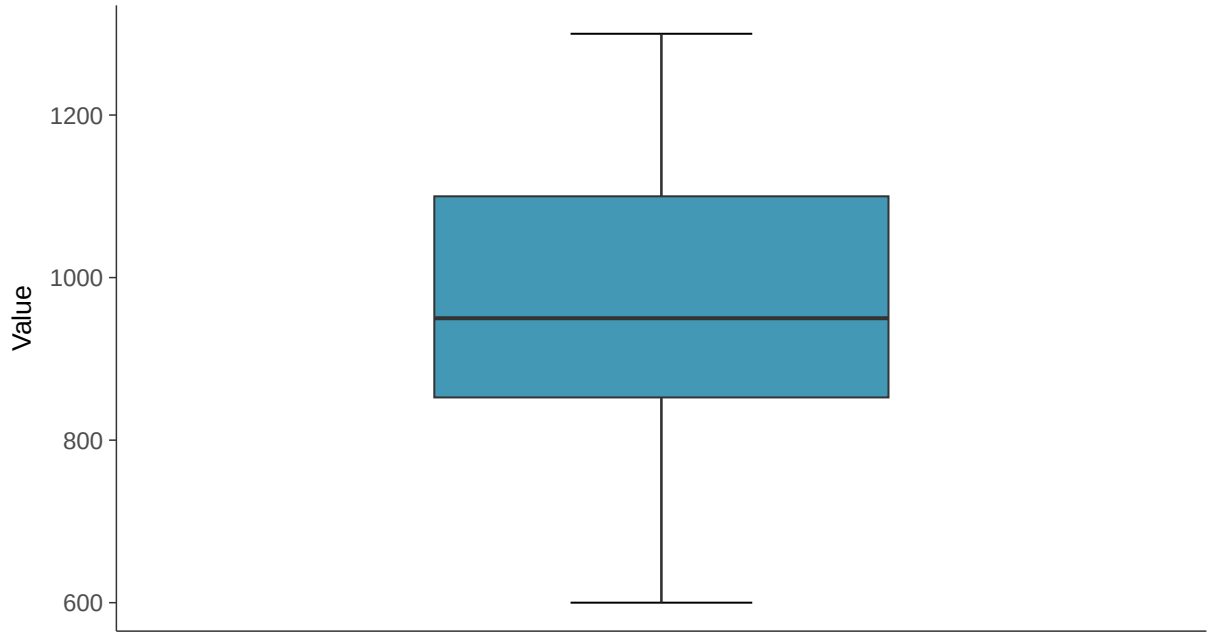
ID: 29_1_3_124





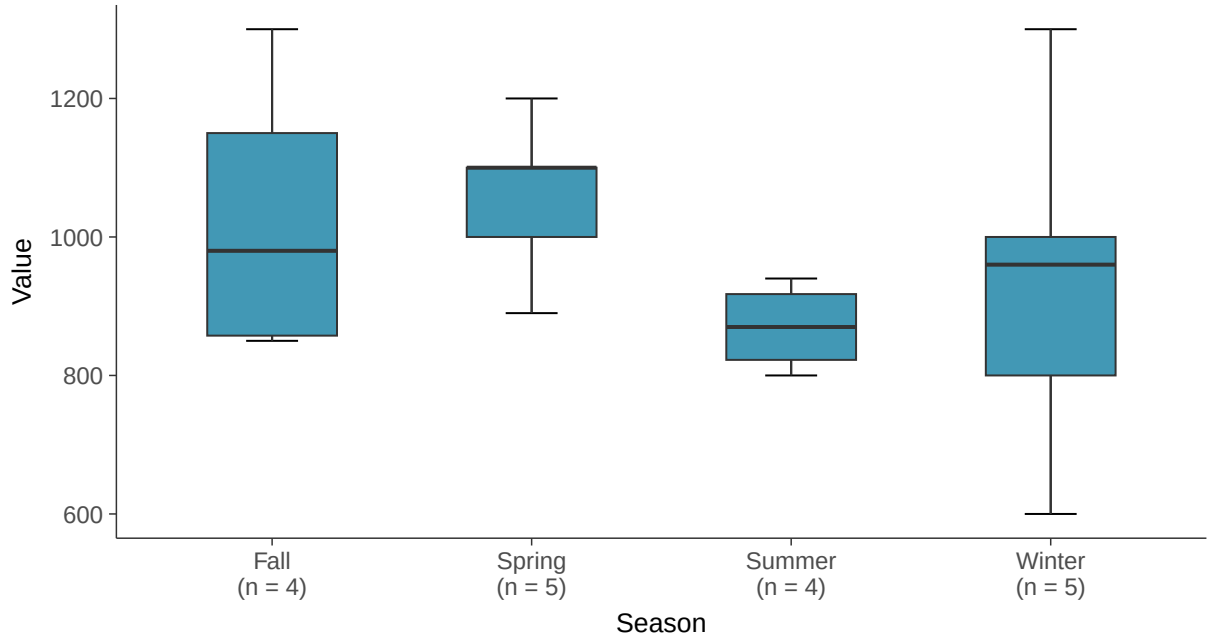
Boxplot

Sulfate (as SO4), MW-19 (mg/L)



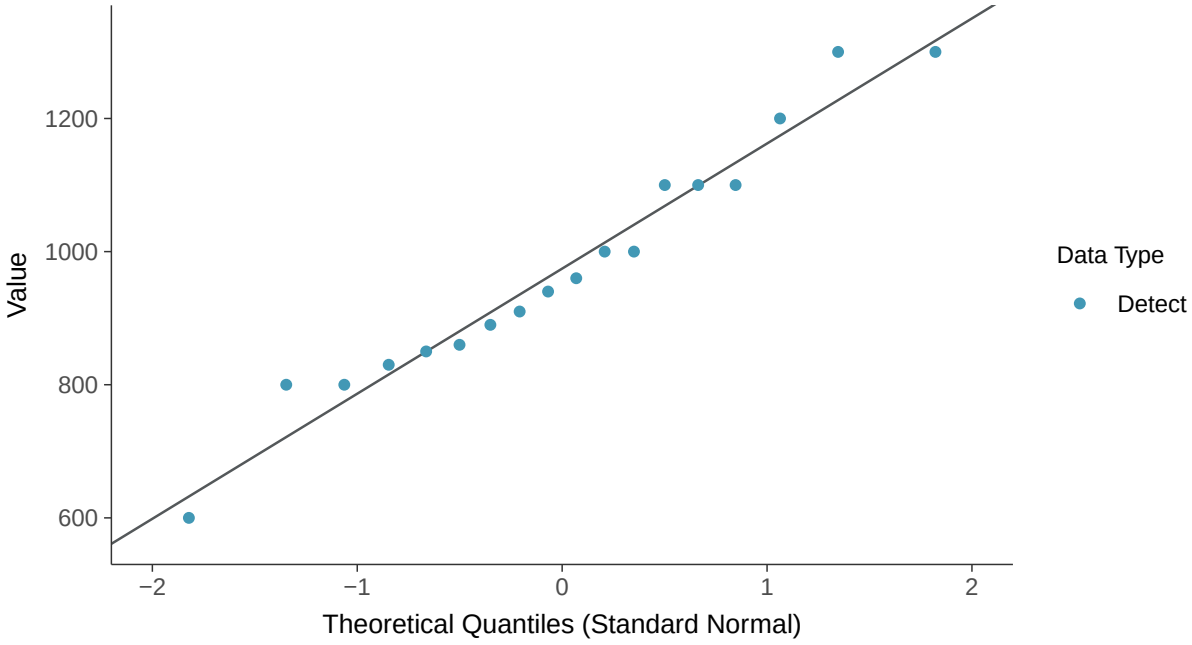
Boxplot by Season

Sulfate (as SO4), MW-19 (mg/L)



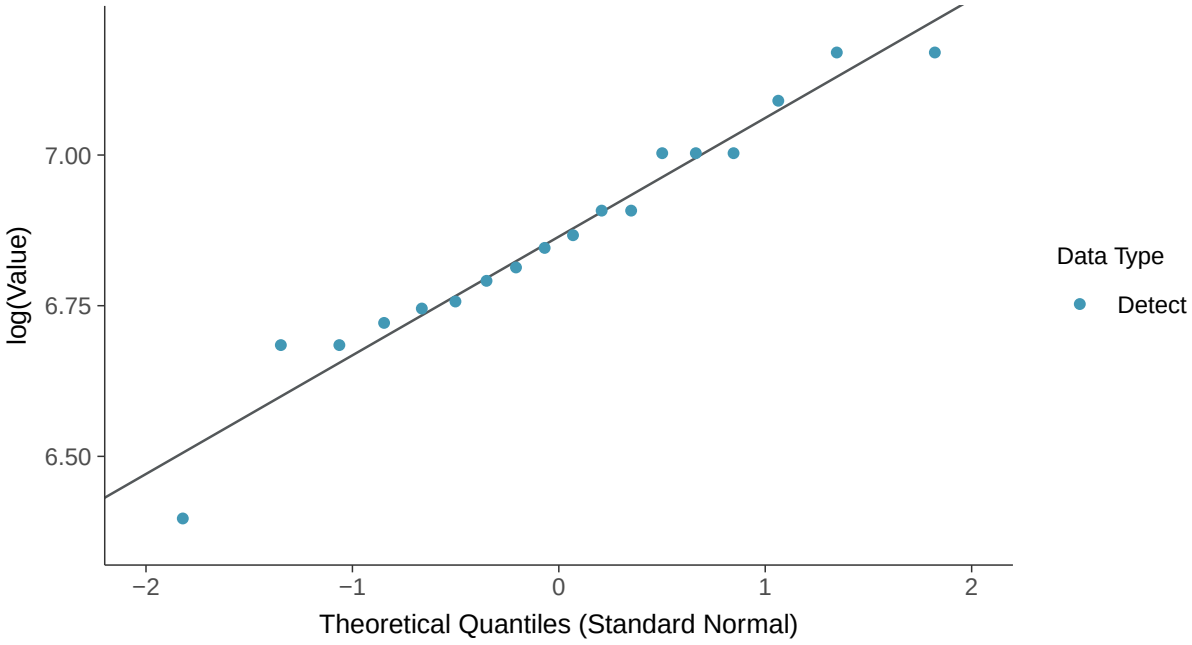
Normal Q-Q plot

Sulfate (as SO4), MW-19 (mg/L)



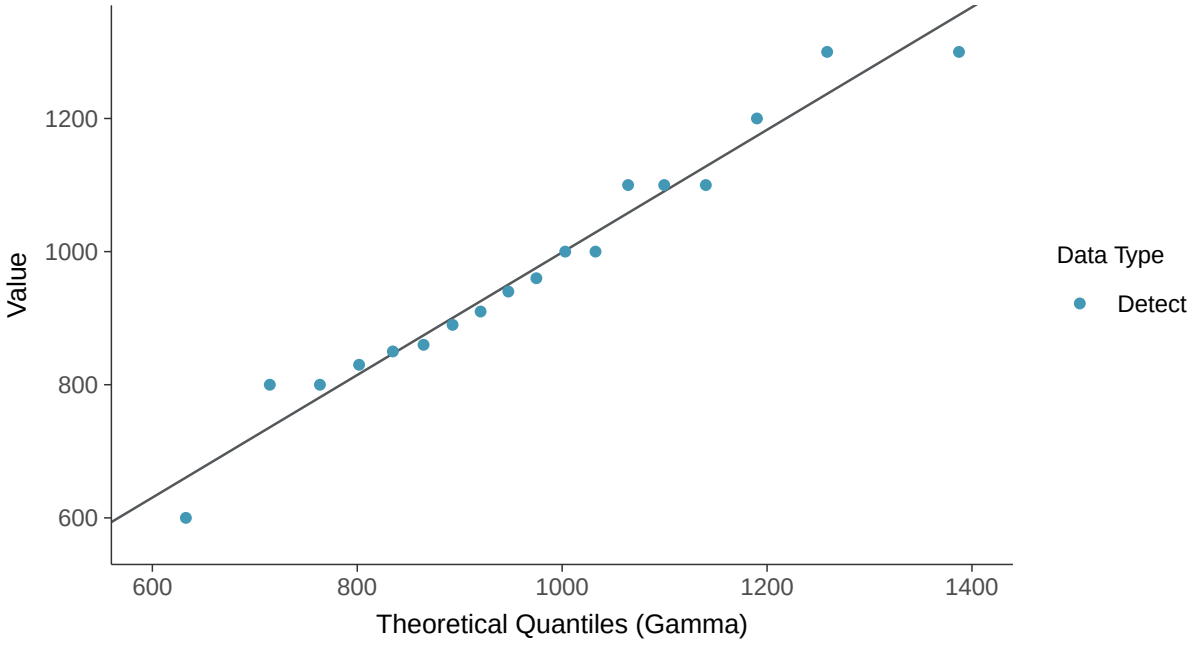
Lognormal Q-Q plot

Sulfate (as SO4), MW-19 (mg/L)



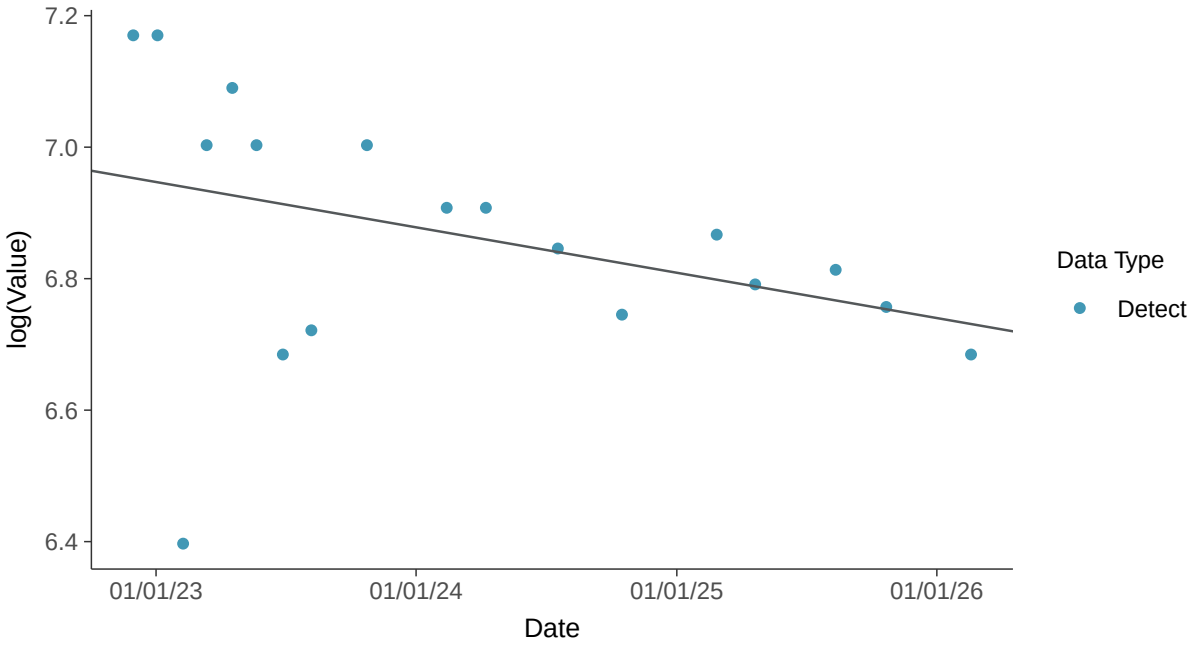
Gamma Q-Q plot

Sulfate (as SO4), MW-19 (mg/L)



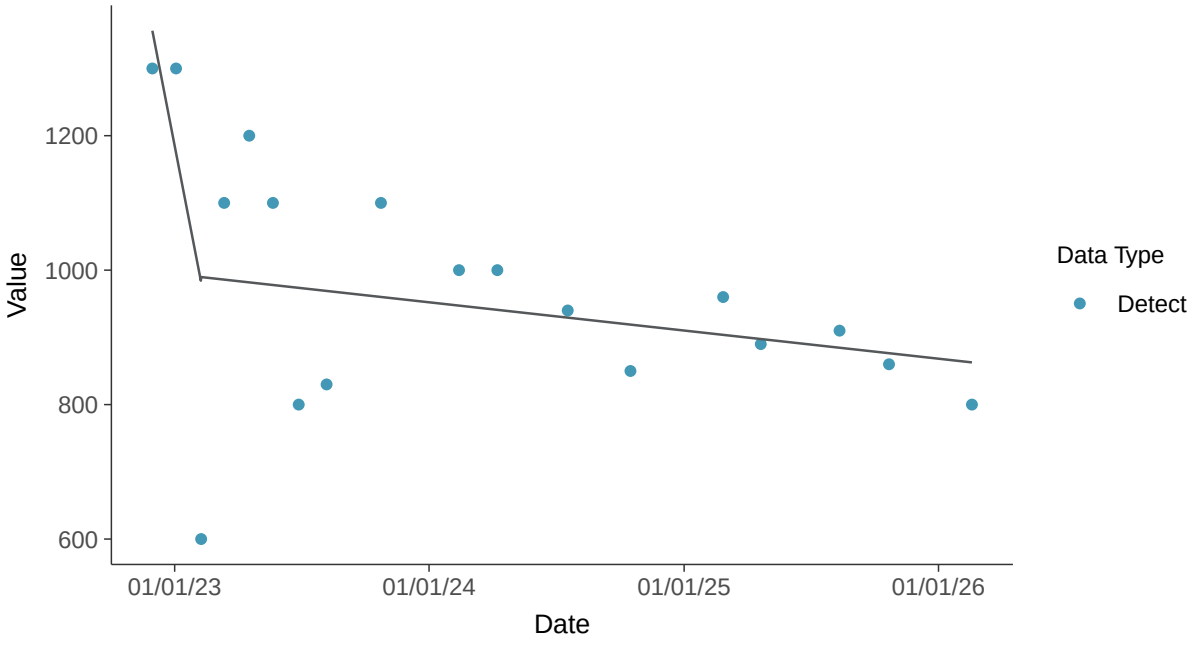
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-19 (mg/L)



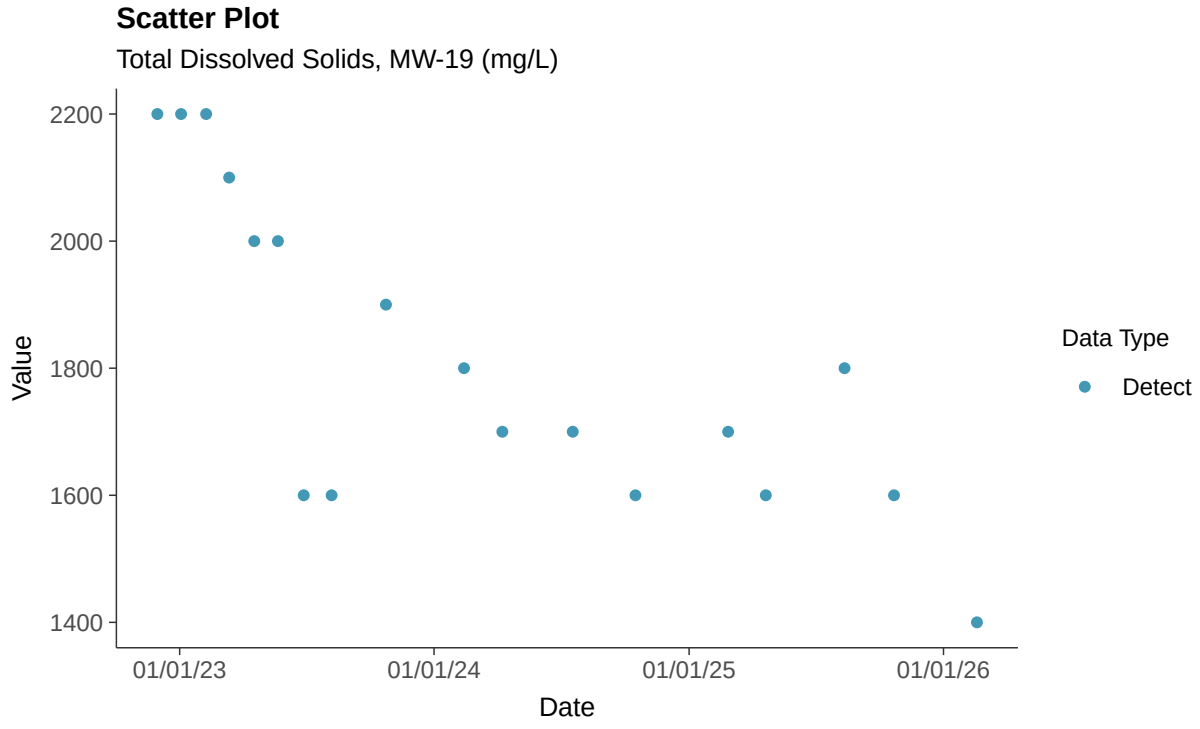
Trend Regression: Piecewise Linear-Linear

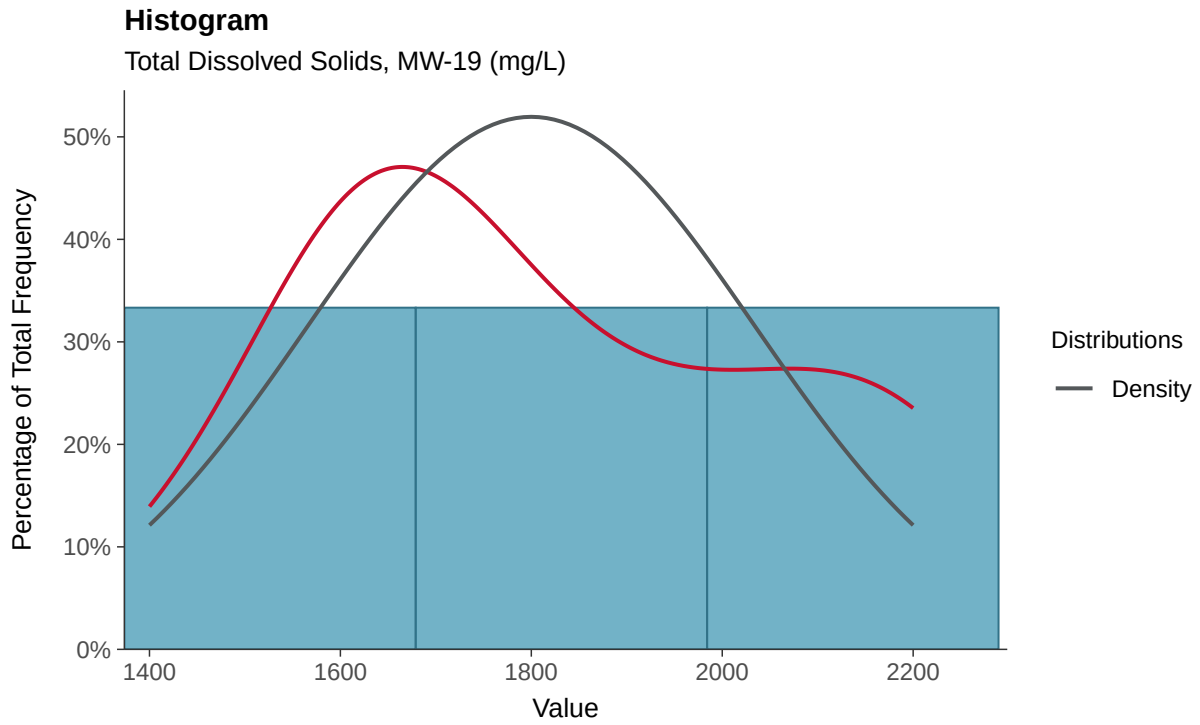
Sulfate (as SO4), MW-19 (mg/L)



Appendix III: Total Dissolved Solids, MW-19

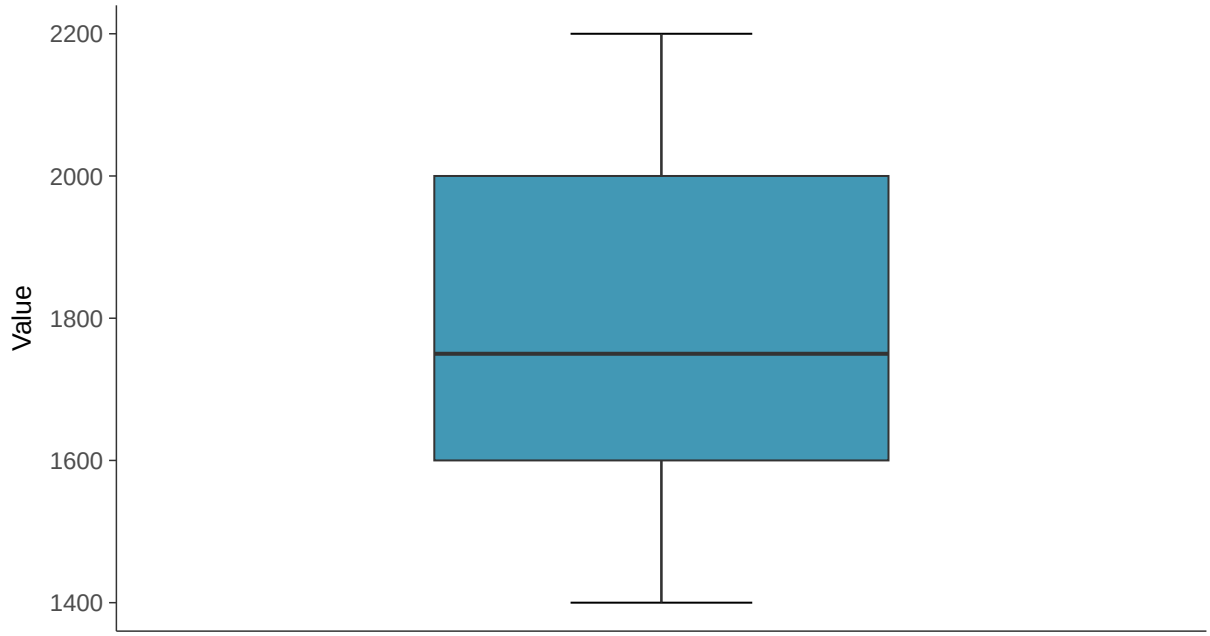
ID: 29_1_3_126





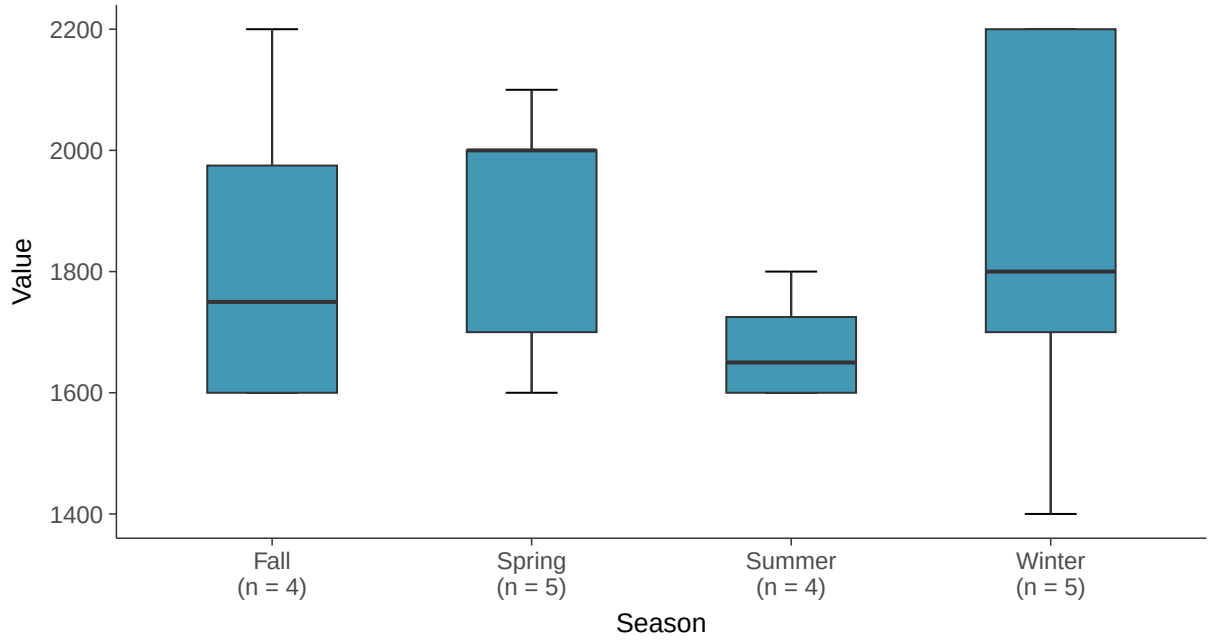
Boxplot

Total Dissolved Solids, MW-19 (mg/L)



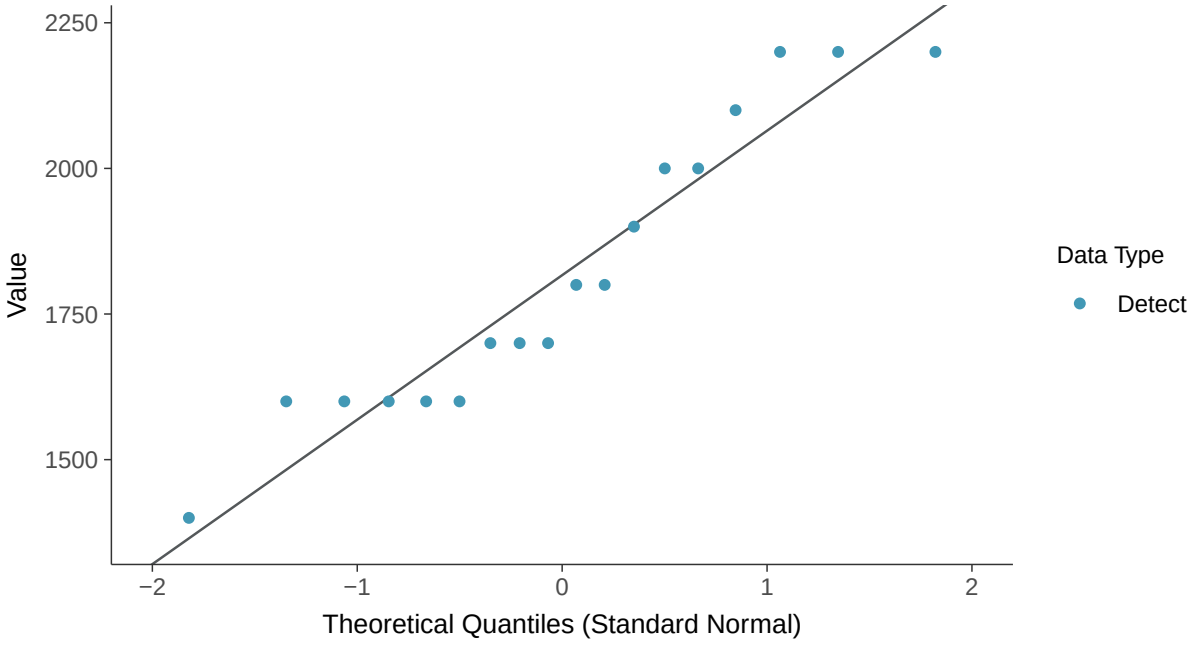
Boxplot by Season

Total Dissolved Solids, MW-19 (mg/L)



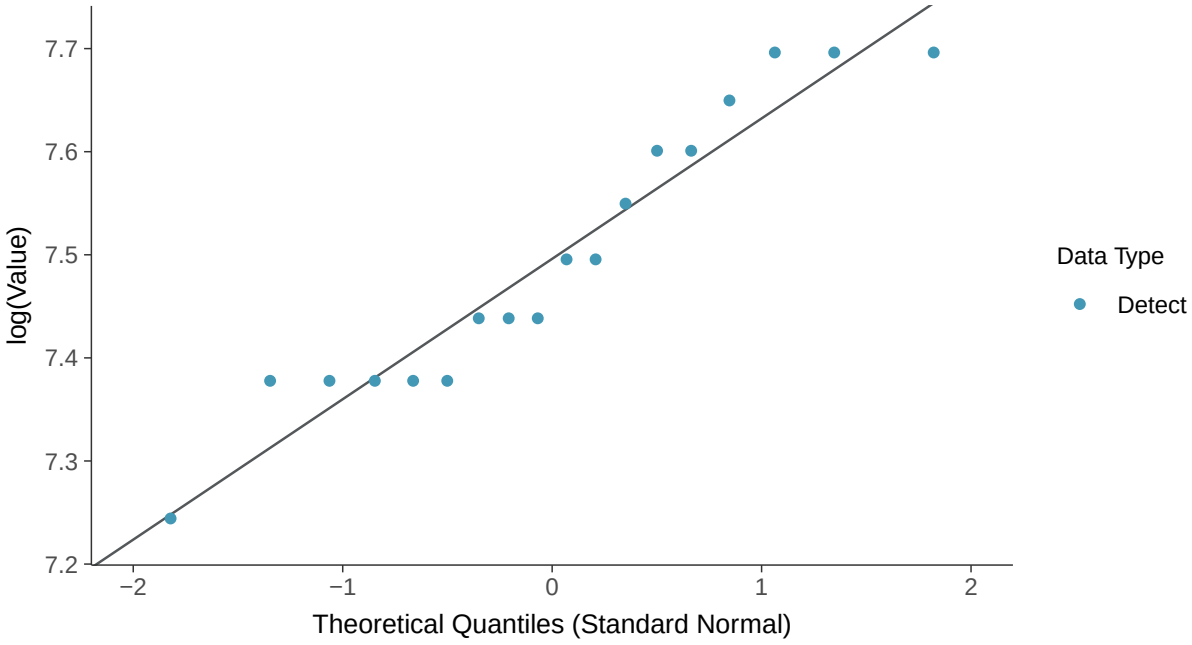
Normal Q-Q plot

Total Dissolved Solids, MW-19 (mg/L)



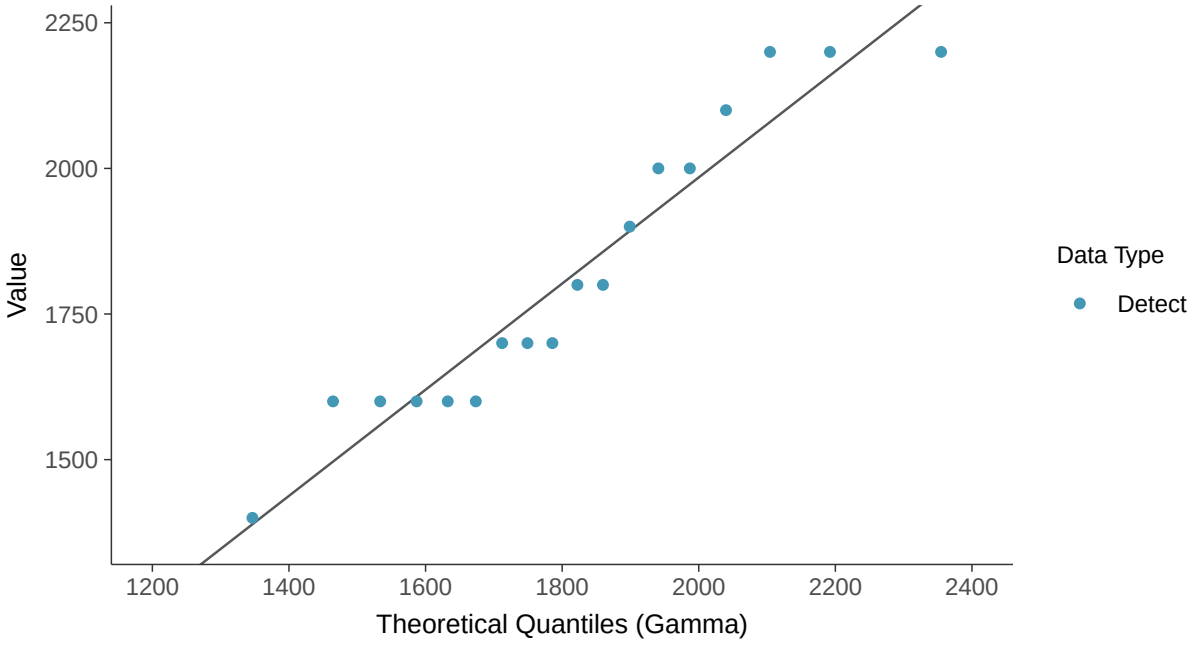
Lognormal Q-Q plot

Total Dissolved Solids, MW-19 (mg/L)



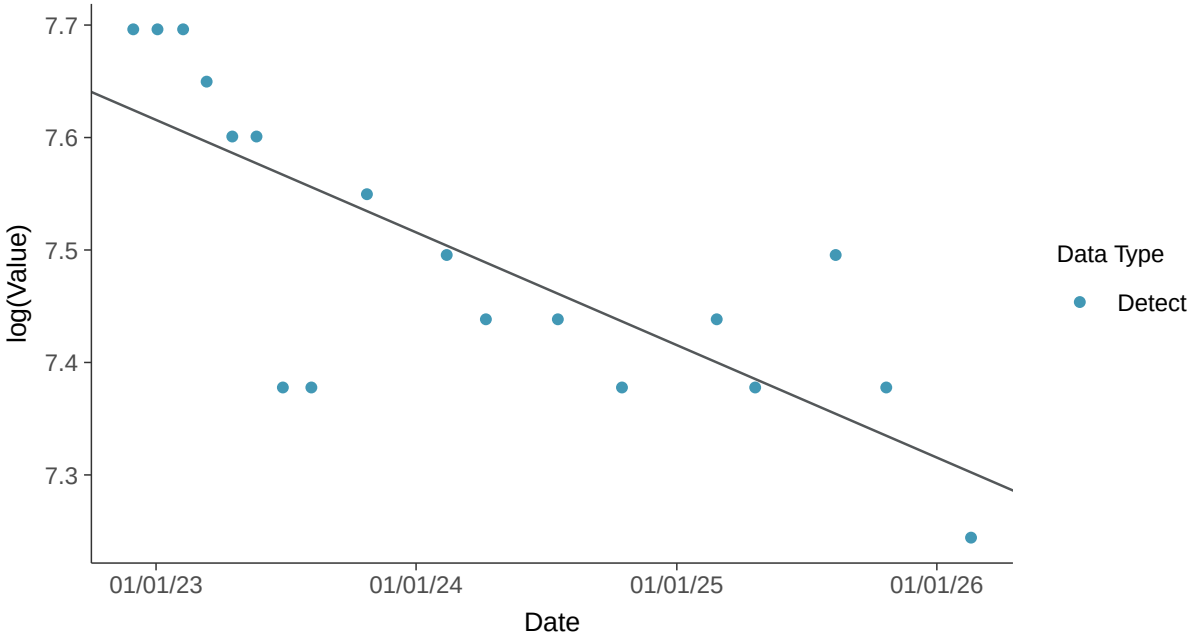
Gamma Q-Q plot

Total Dissolved Solids, MW-19 (mg/L)



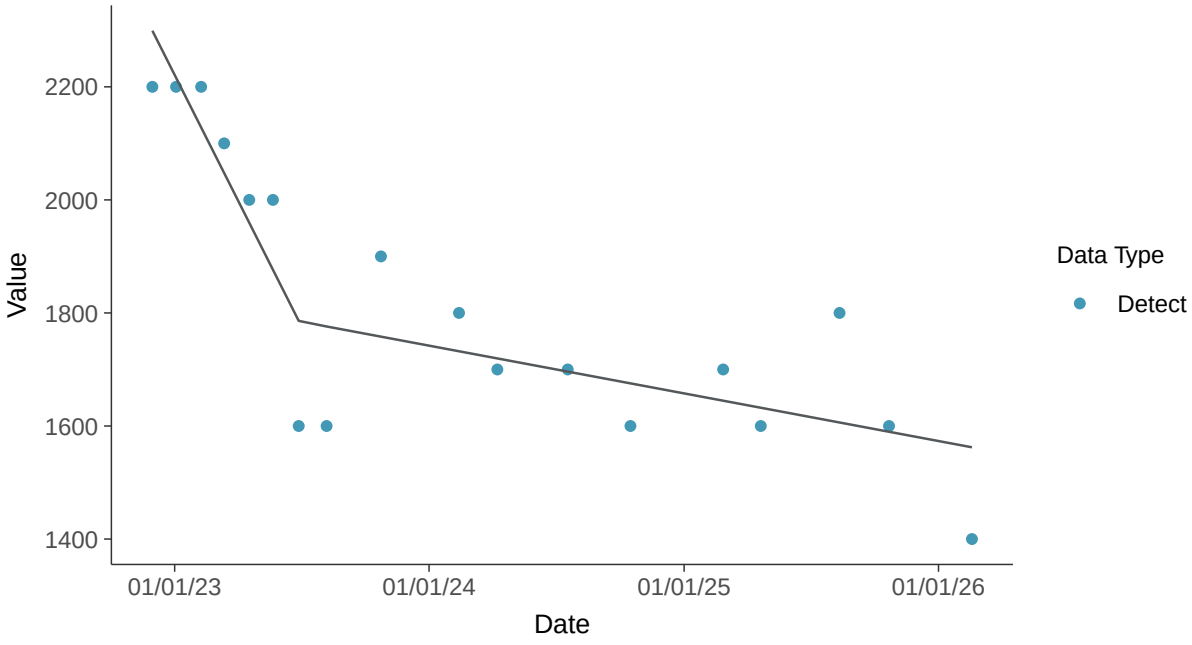
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-19 (mg/L)



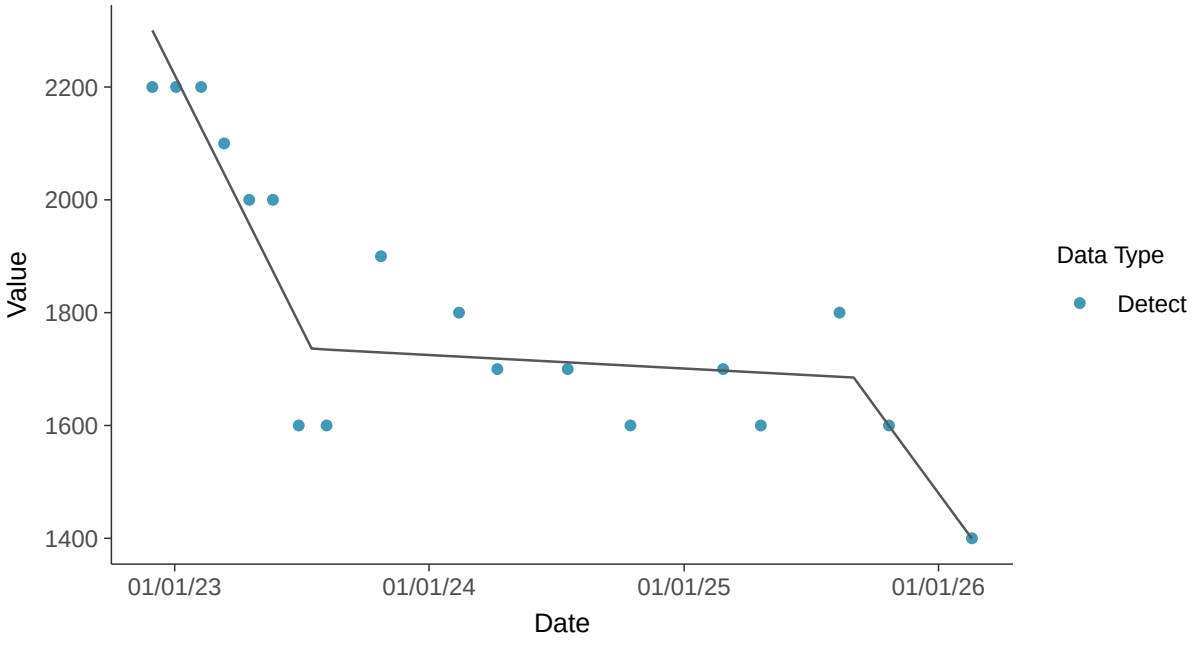
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-19 (mg/L)



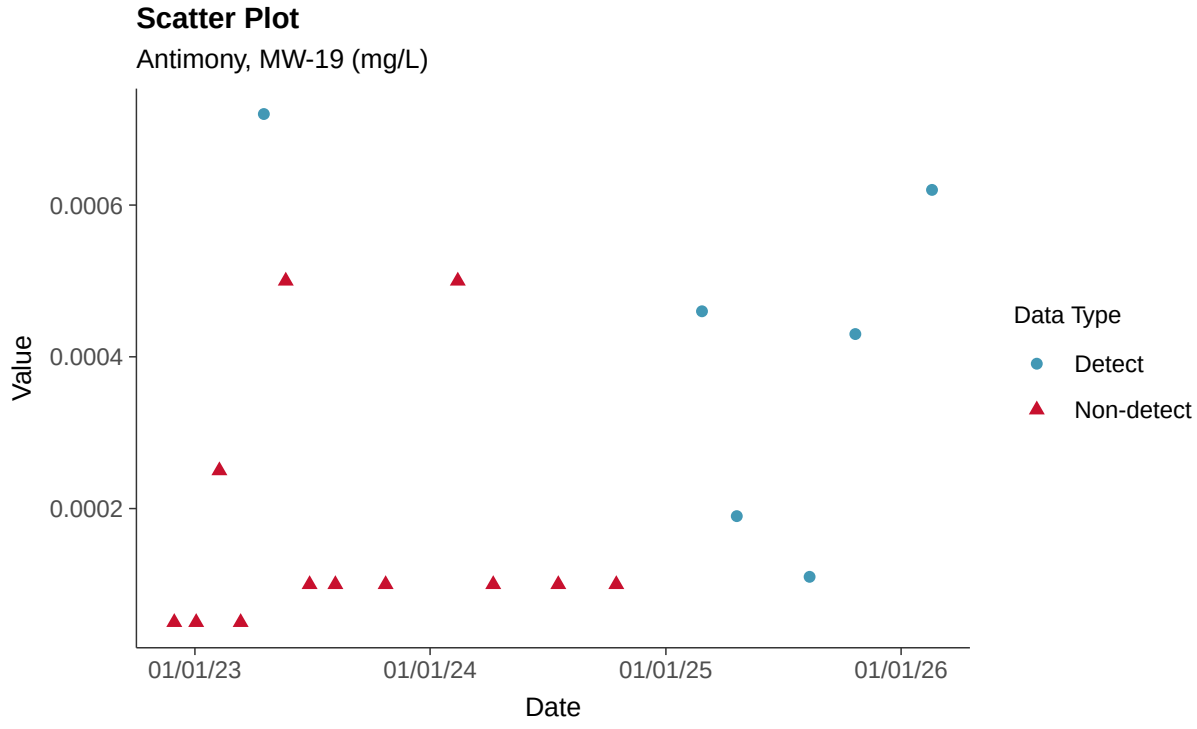
Trend Regression: Piecewise Linear-Linear-Linear

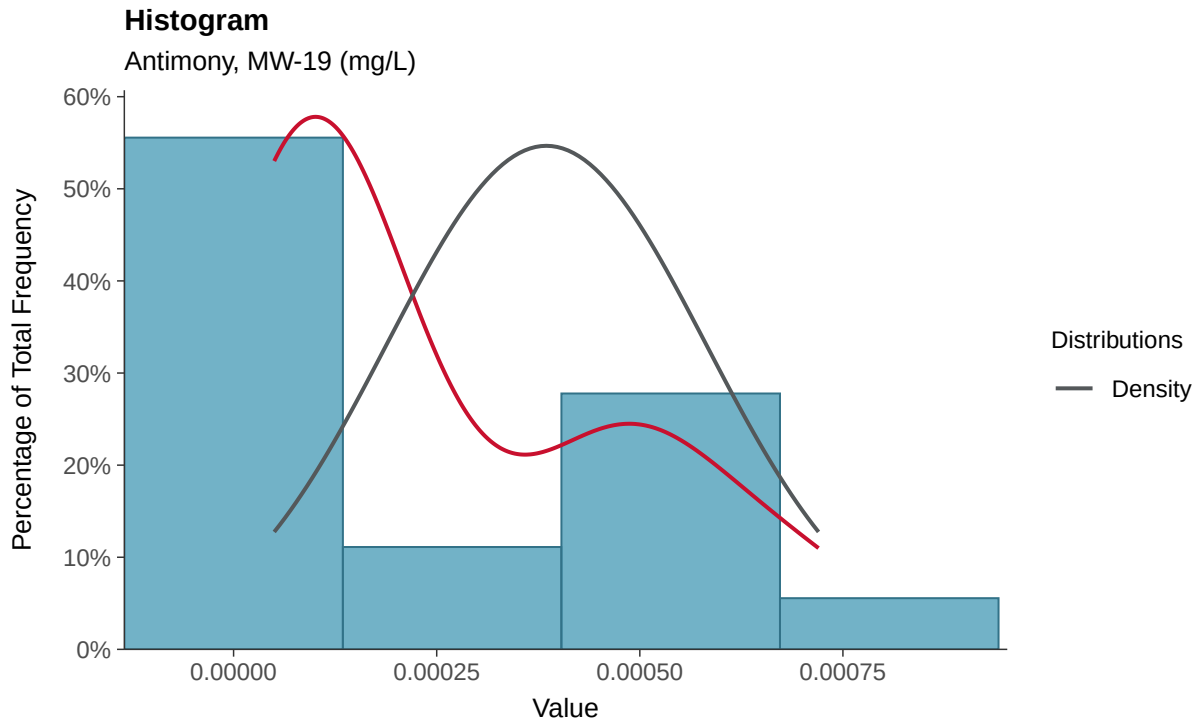
Total Dissolved Solids, MW-19 (mg/L)



Appendix IV: Antimony, MW-19

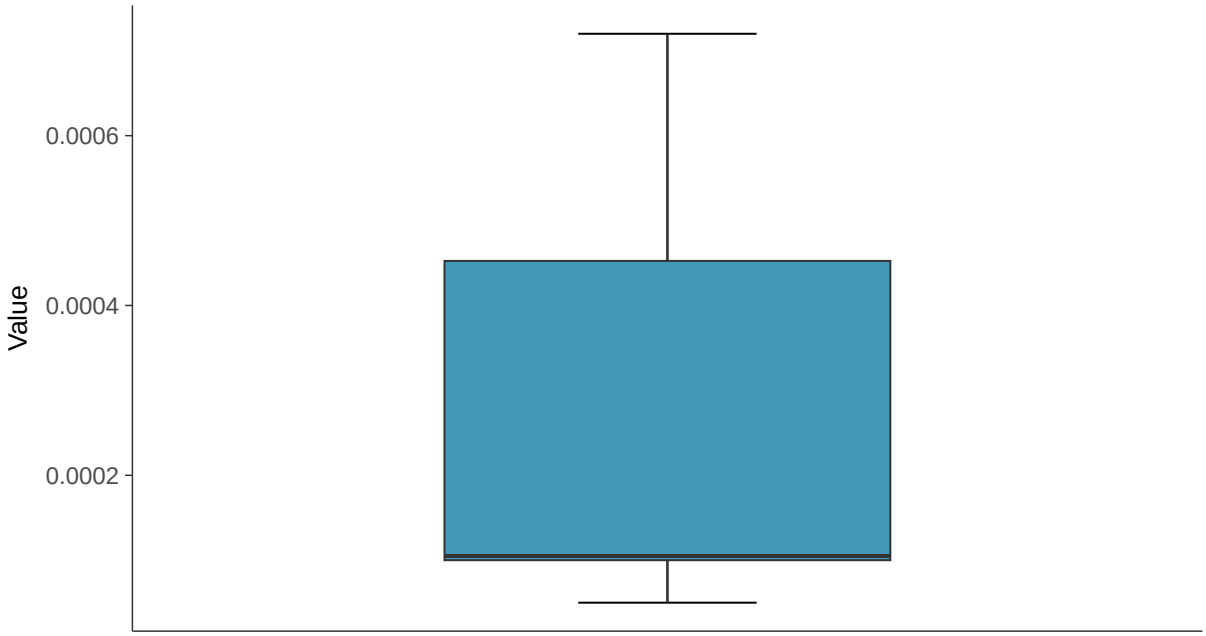
ID: 29_1_4_101





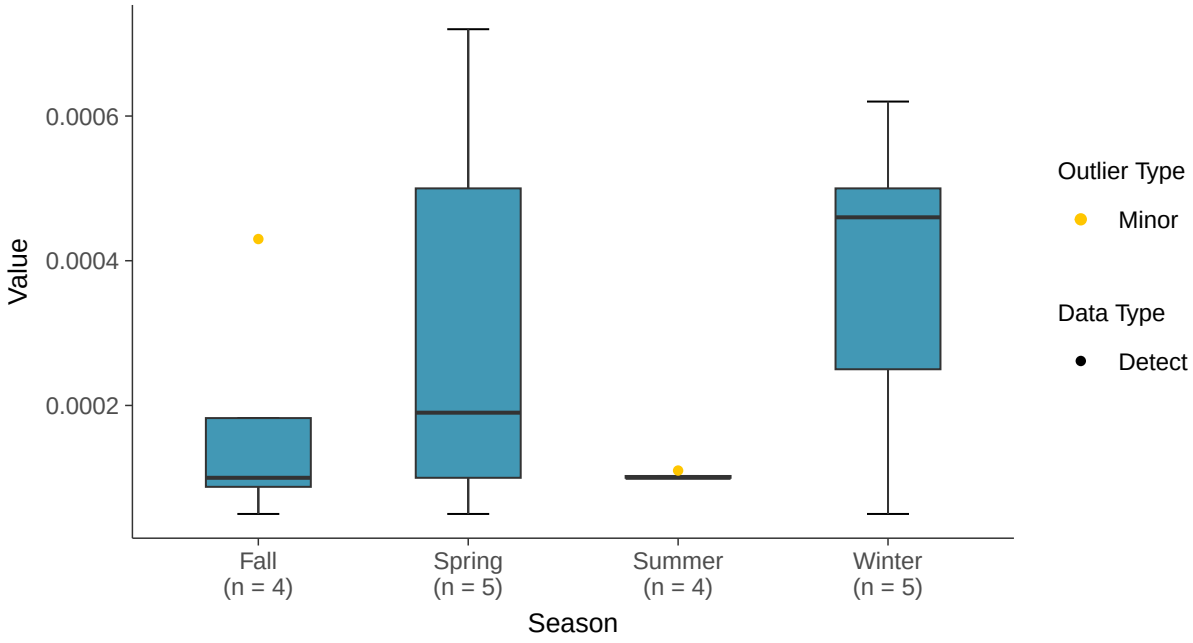
Boxplot

Antimony, MW-19 (mg/L)



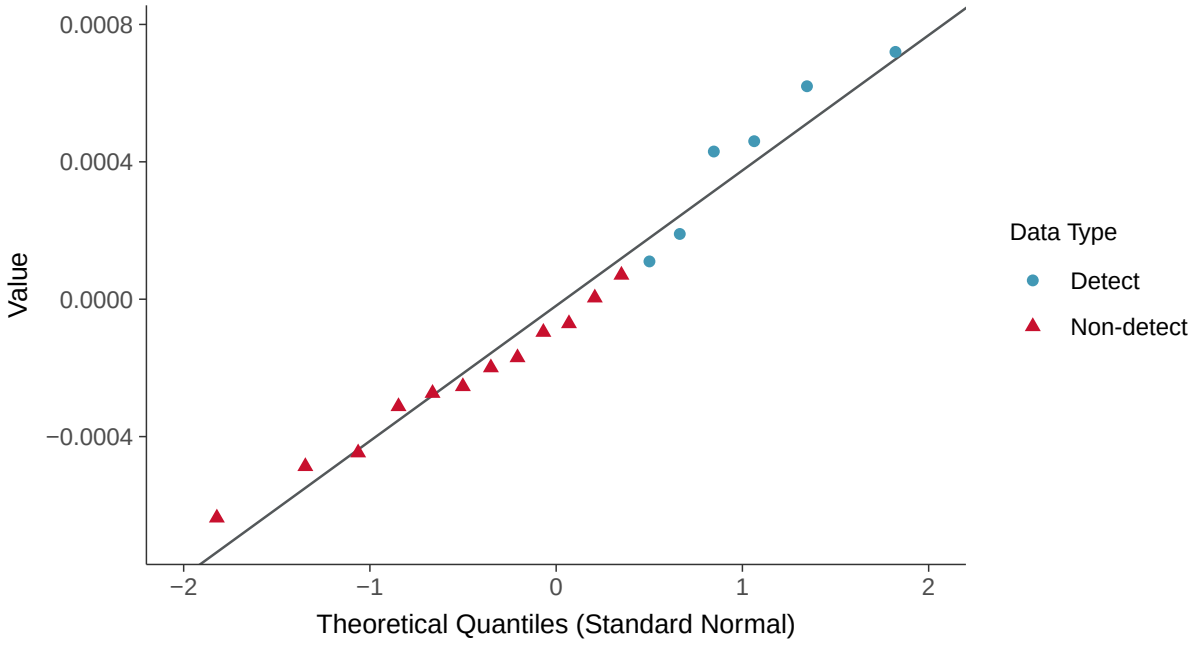
Boxplot by Season

Antimony, MW-19 (mg/L)



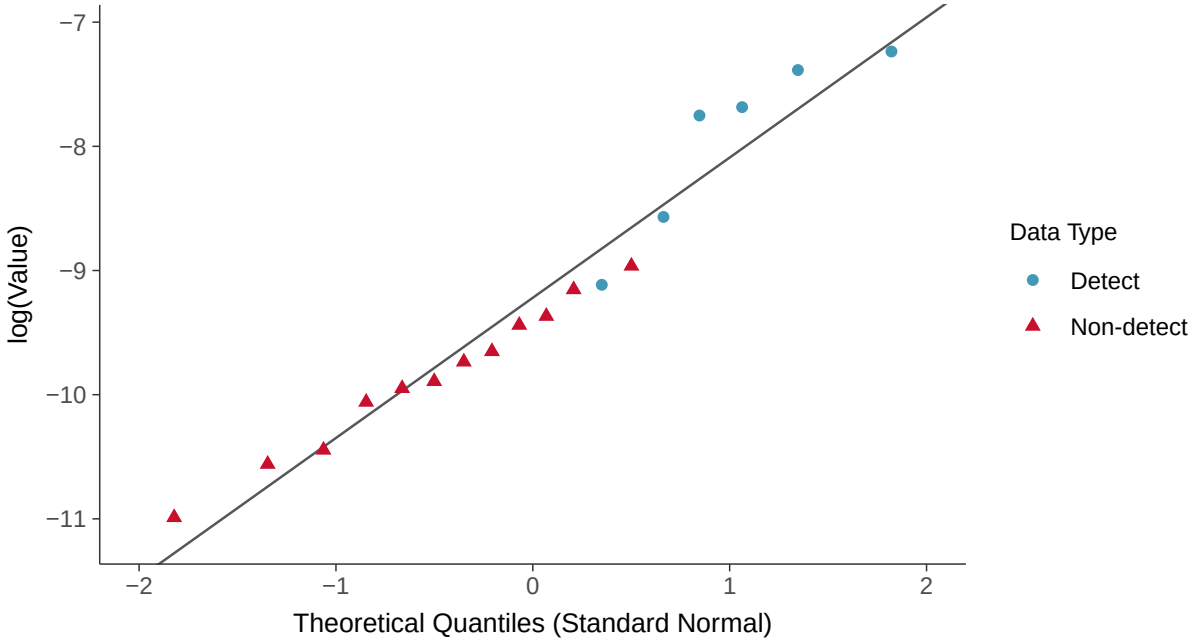
Normal Q-Q plot using ROS Imputed Estimates

Antimony, MW-19 (mg/L)



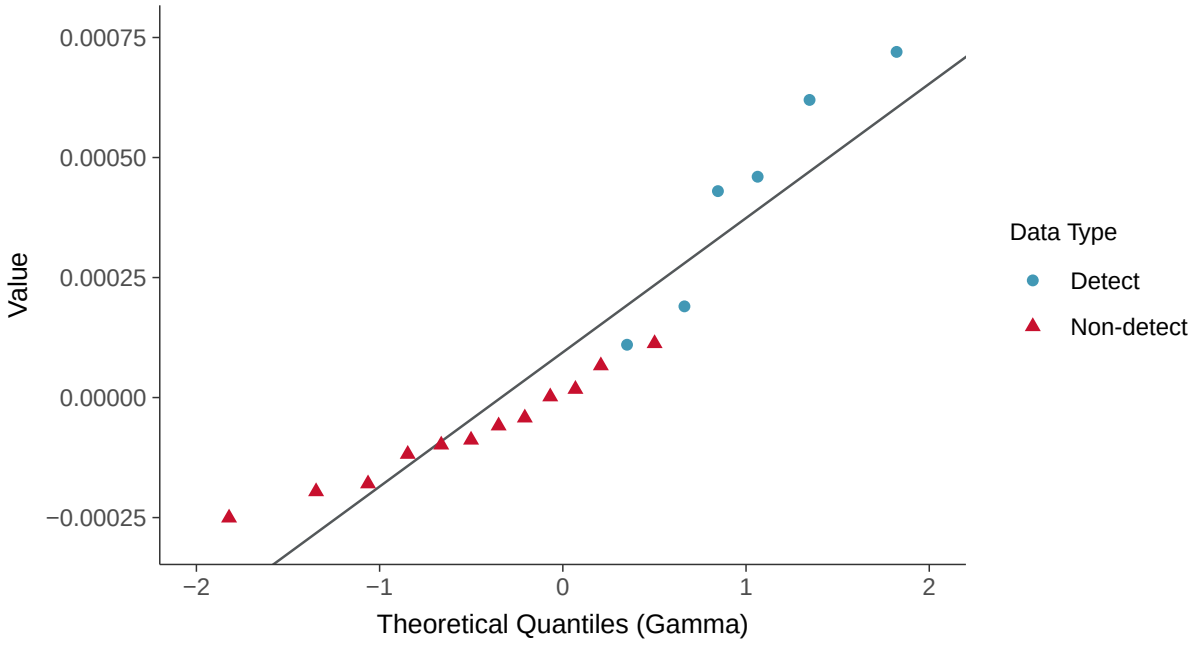
Lognormal Q-Q plot using ROS Imputed Estimates

Antimony, MW-19 (mg/L)



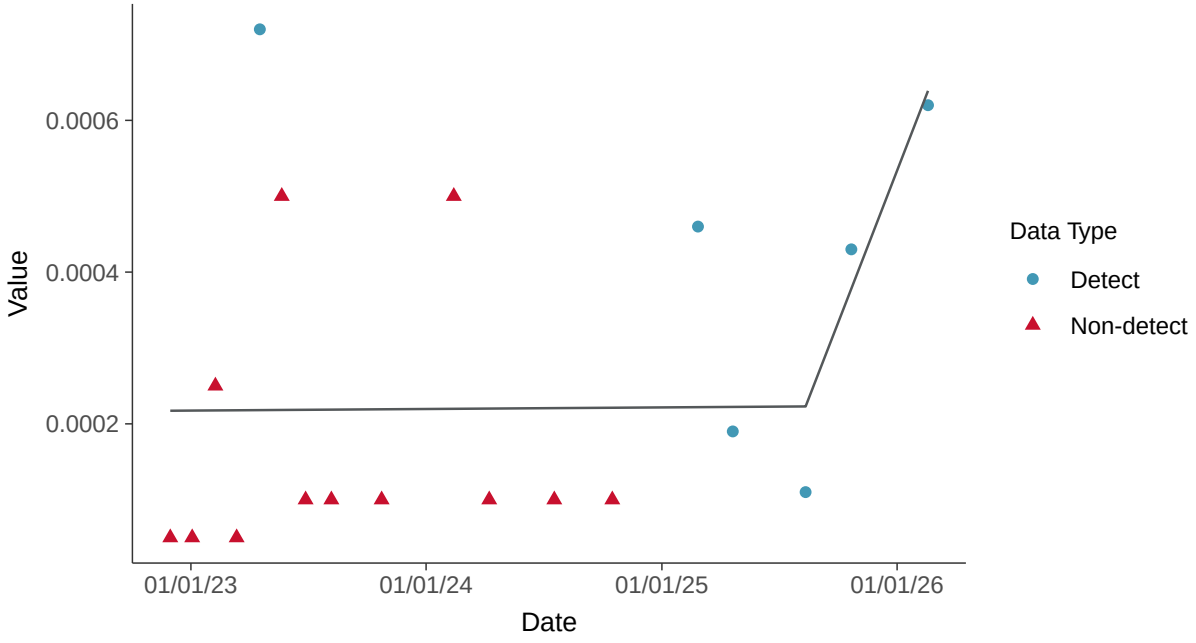
Gamma Q-Q plot using ROS Imputed Estimates

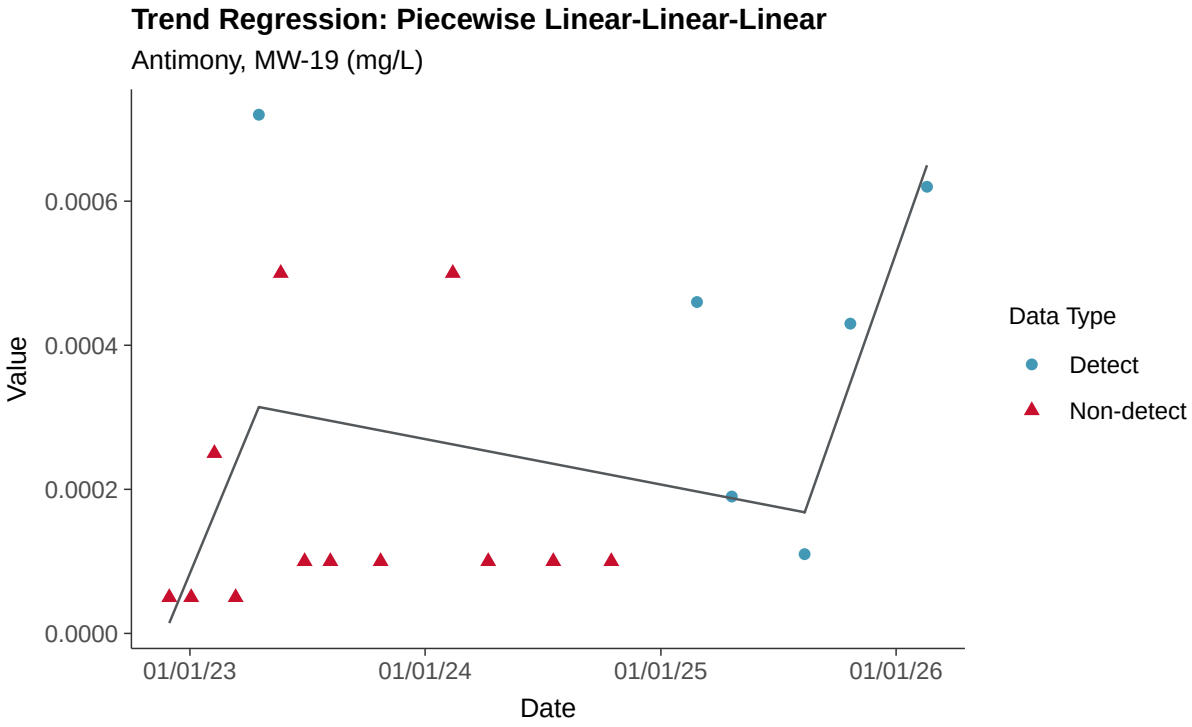
Antimony, MW-19 (mg/L)



Trend Regression: Piecewise Linear-Linear

Antimony, MW-19 (mg/L)



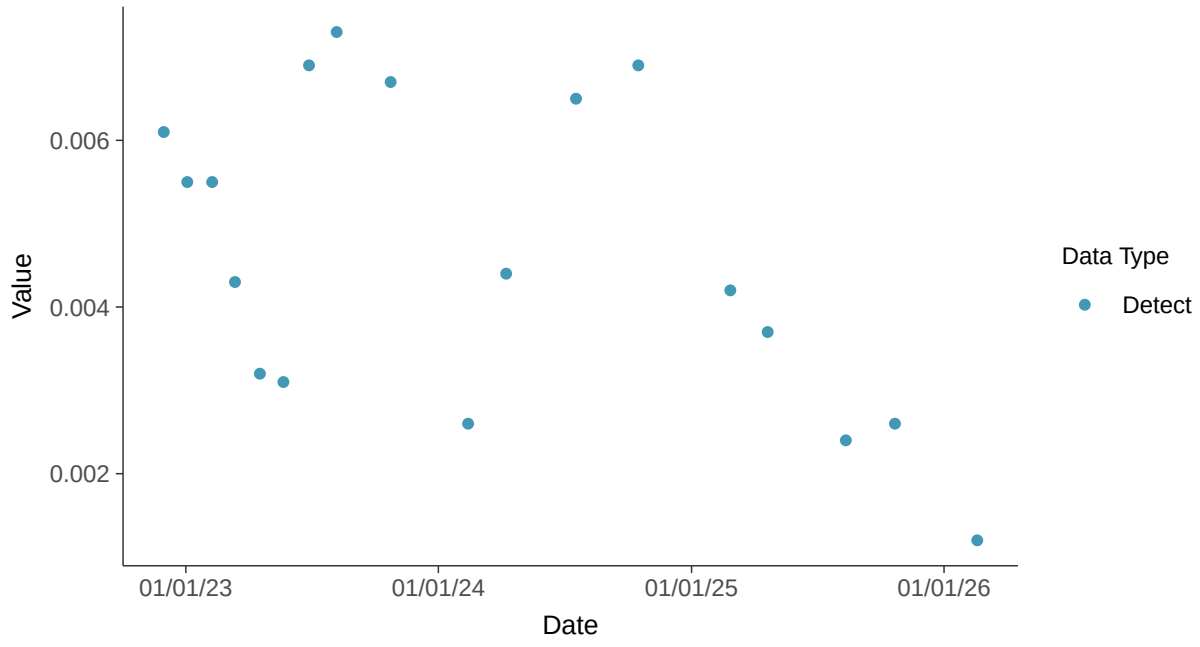

Trend Regression: Piecewise Linear-Linear-Linear
Antimony, MW-19 (mg/L)
Value
0.0006
0.0004
0.0002
0.0000
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Arsenic, MW-19

ID: 29_1_4_102

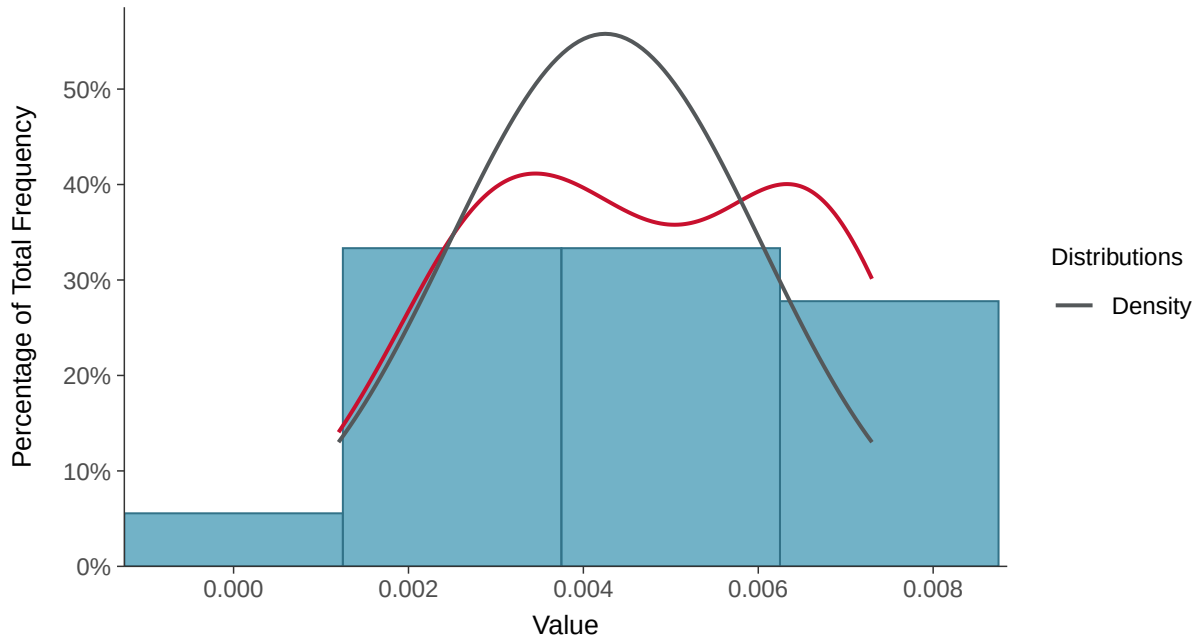
Scatter Plot

Arsenic, MW-19 (mg/L)



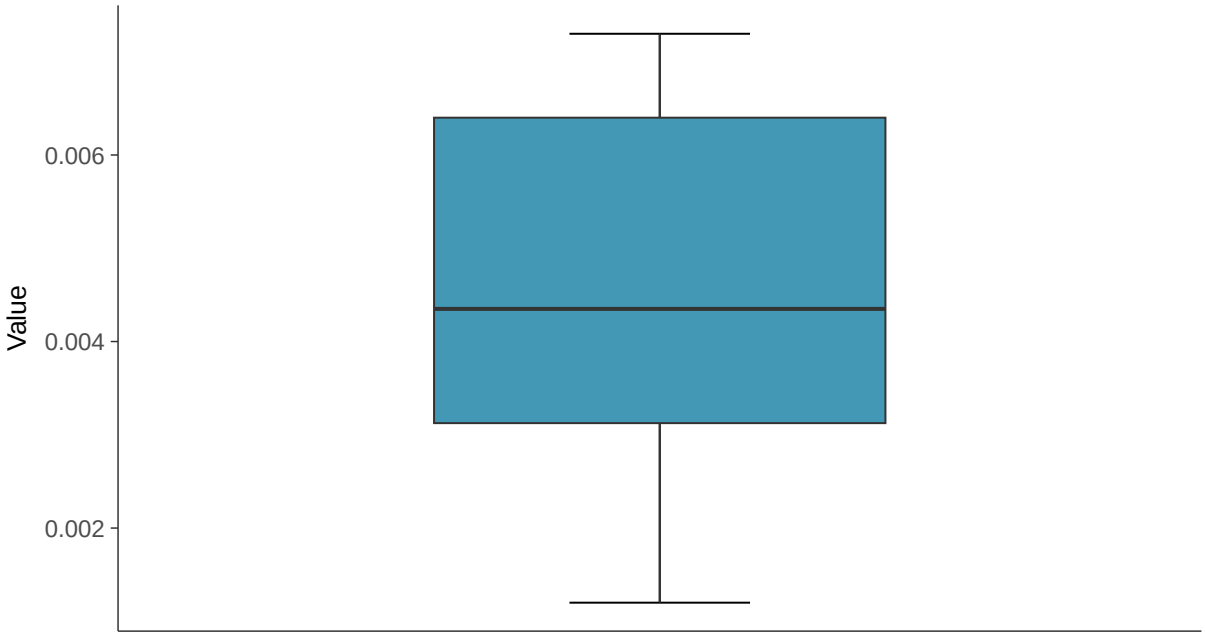
Histogram

Arsenic, MW-19 (mg/L)



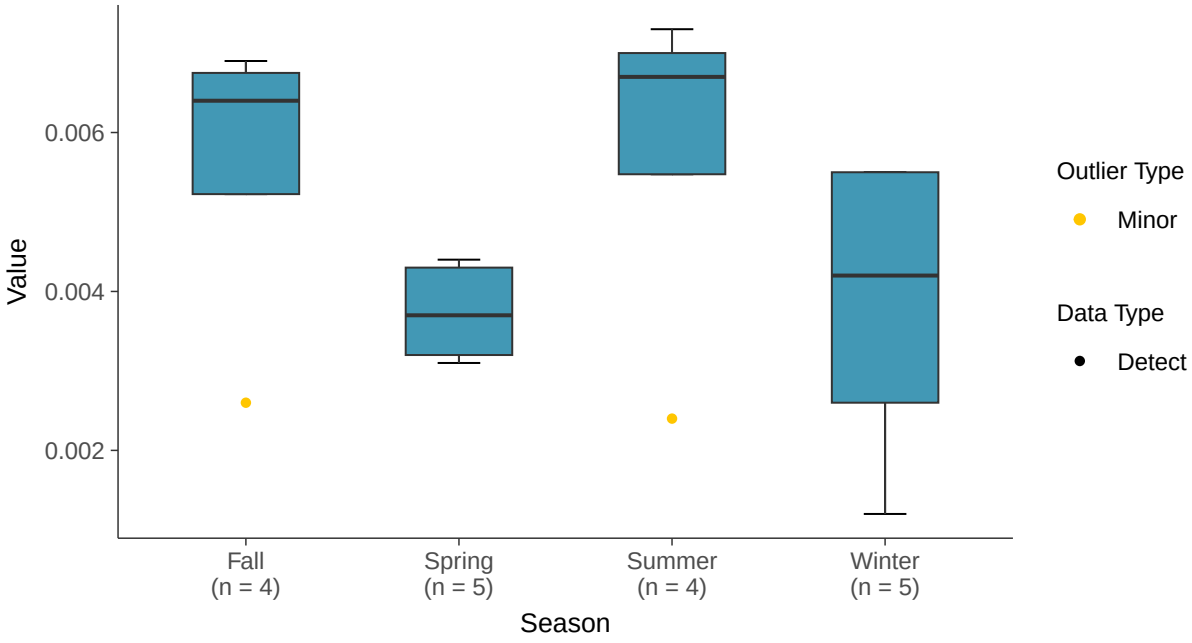
Boxplot

Arsenic, MW-19 (mg/L)



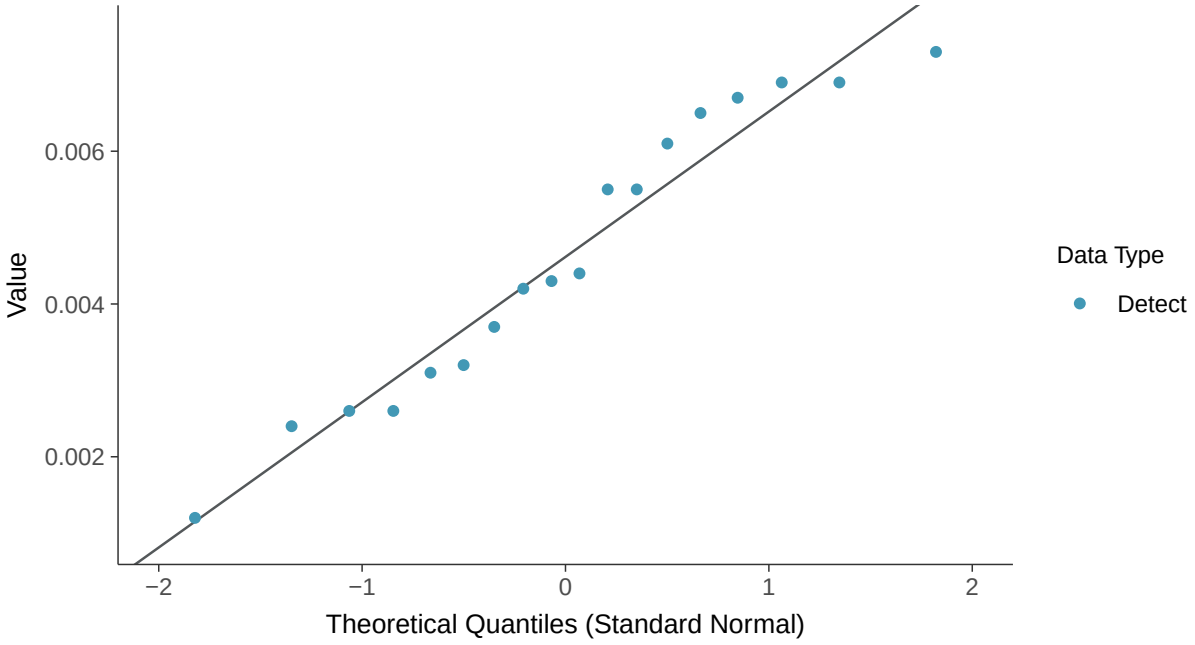
Boxplot by Season

Arsenic, MW-19 (mg/L)



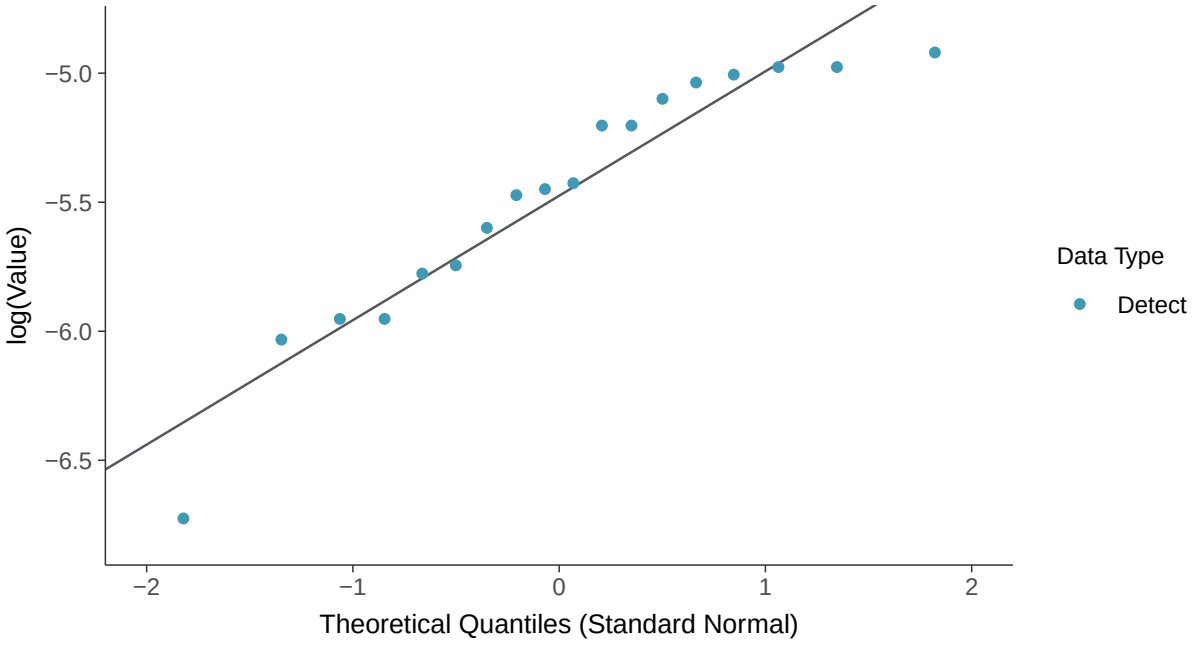
Normal Q-Q plot

Arsenic, MW-19 (mg/L)



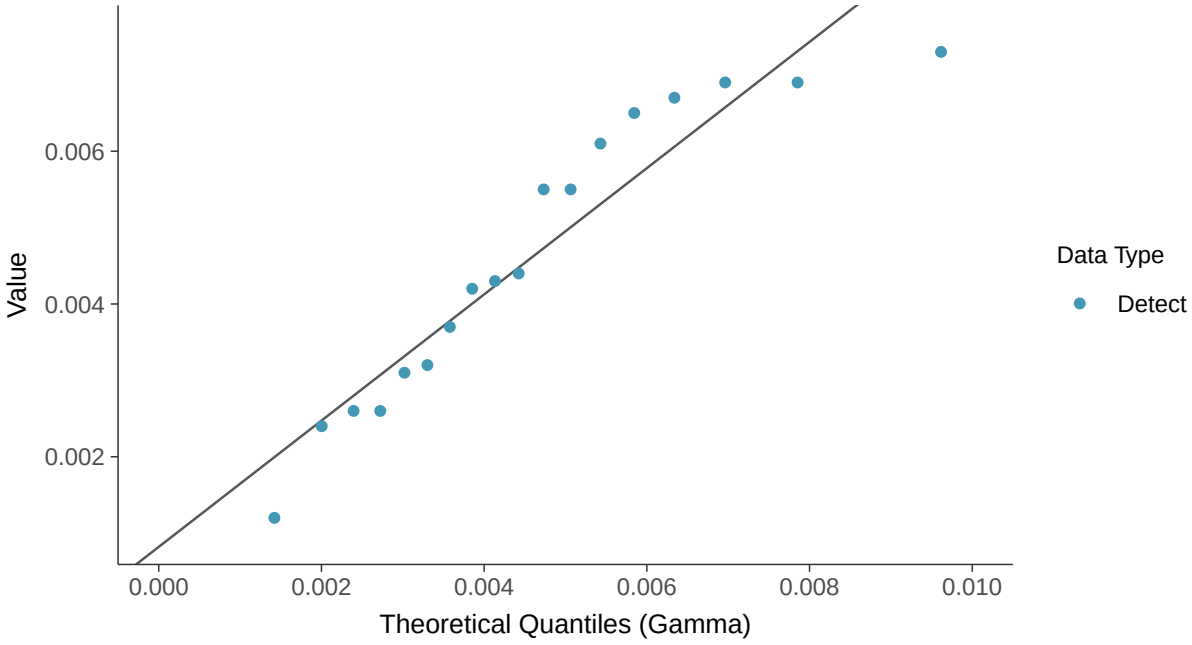
Lognormal Q-Q plot

Arsenic, MW-19 (mg/L)



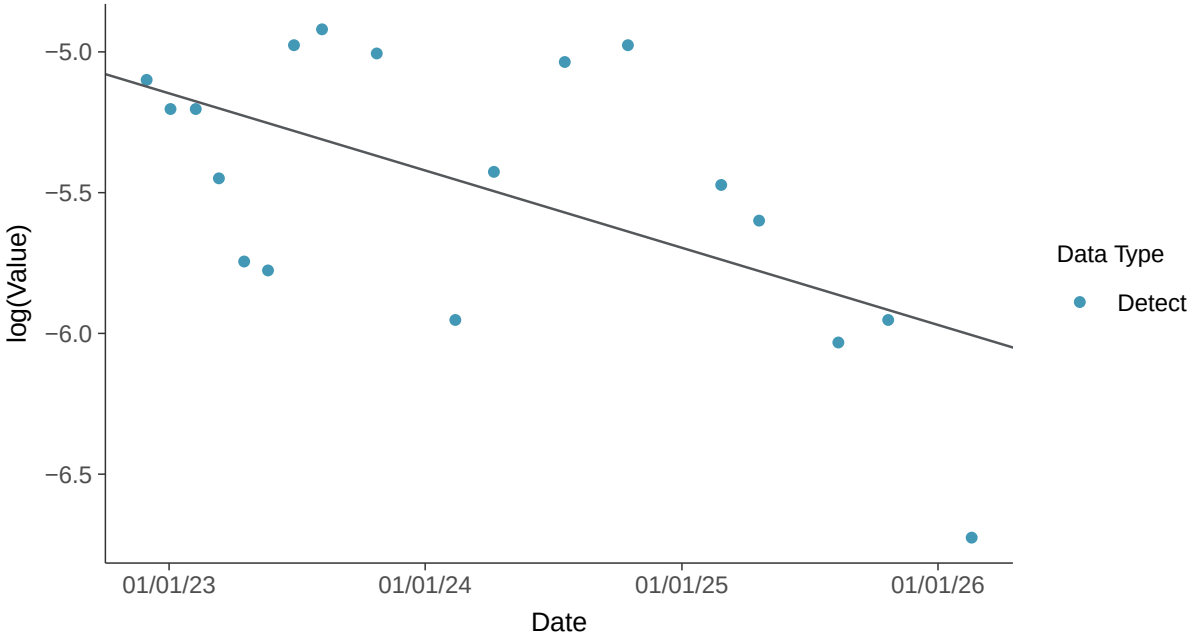
Gamma Q-Q plot

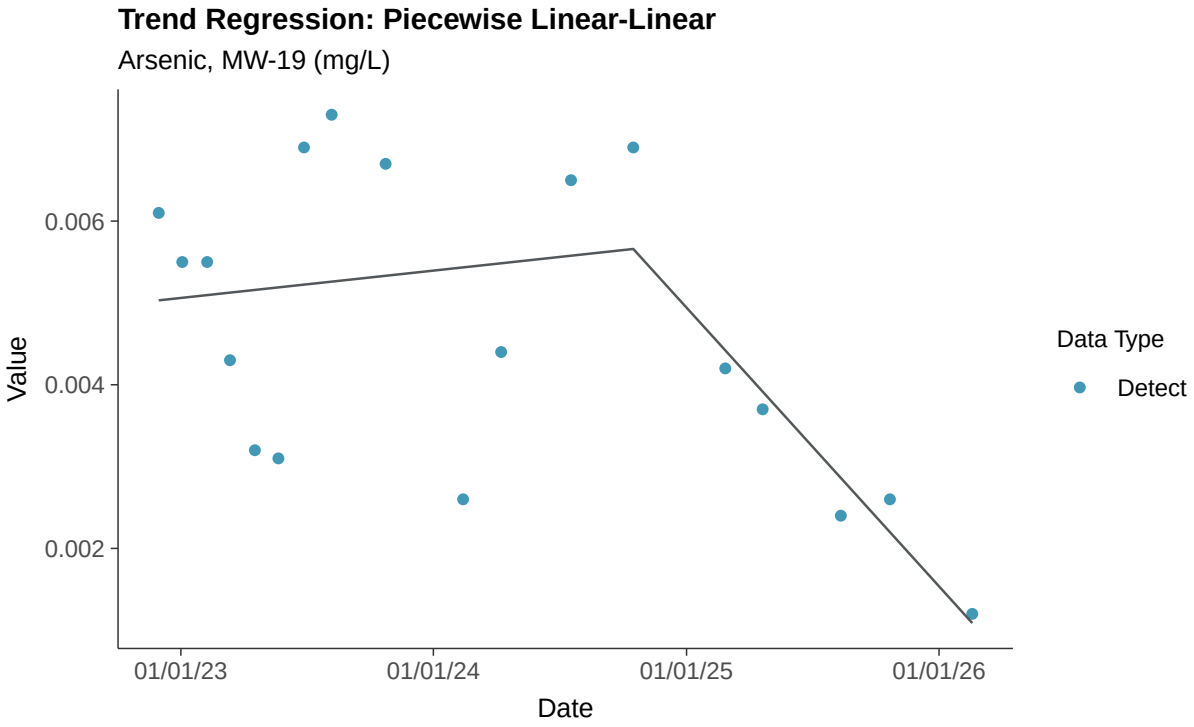
Arsenic, MW-19 (mg/L)



Trend Regression: Lognormal MLE

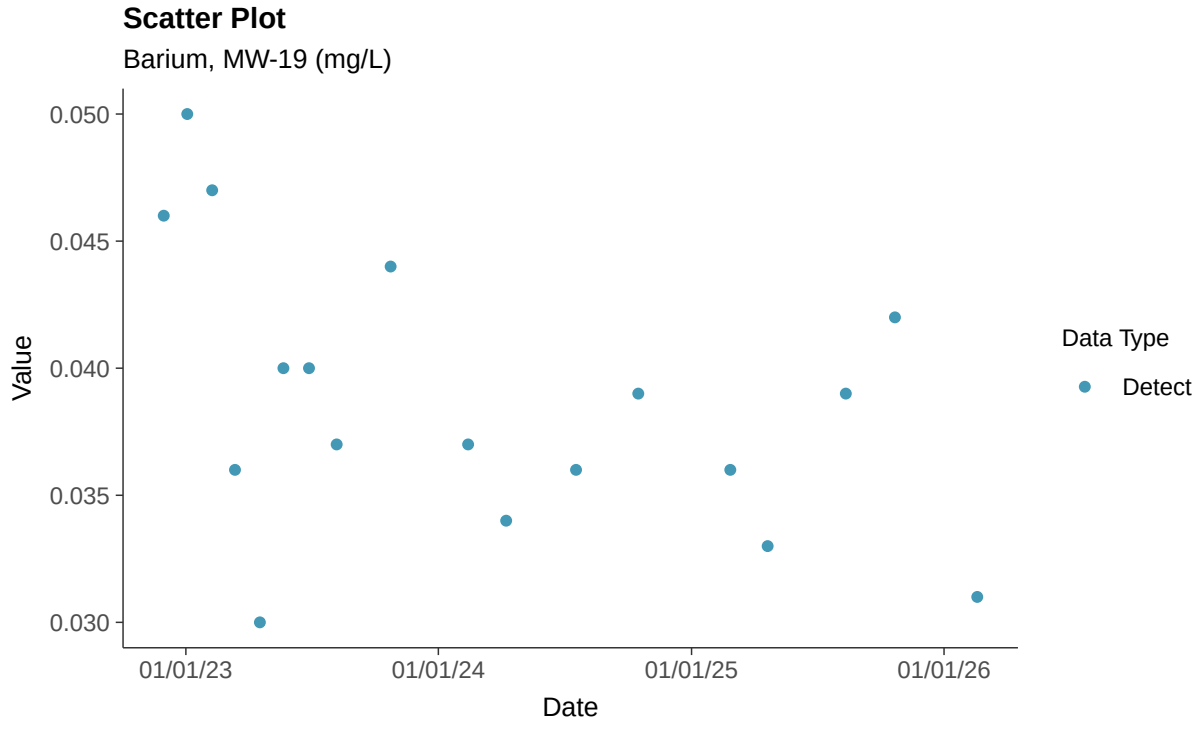
Arsenic, MW-19 (mg/L)

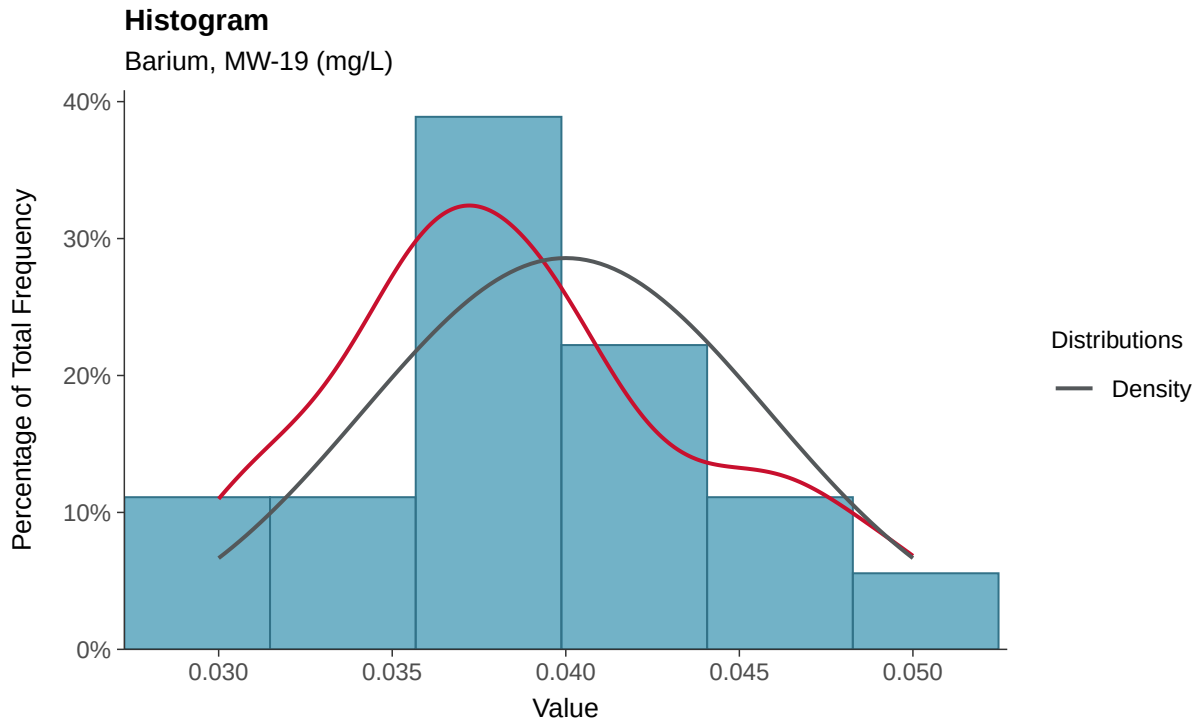



Trend Regression: Piecewise Linear-Linear
Arsenic, MW-19 (mg/L)
Value
0.006
0.004
0.002
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Barium, MW-19

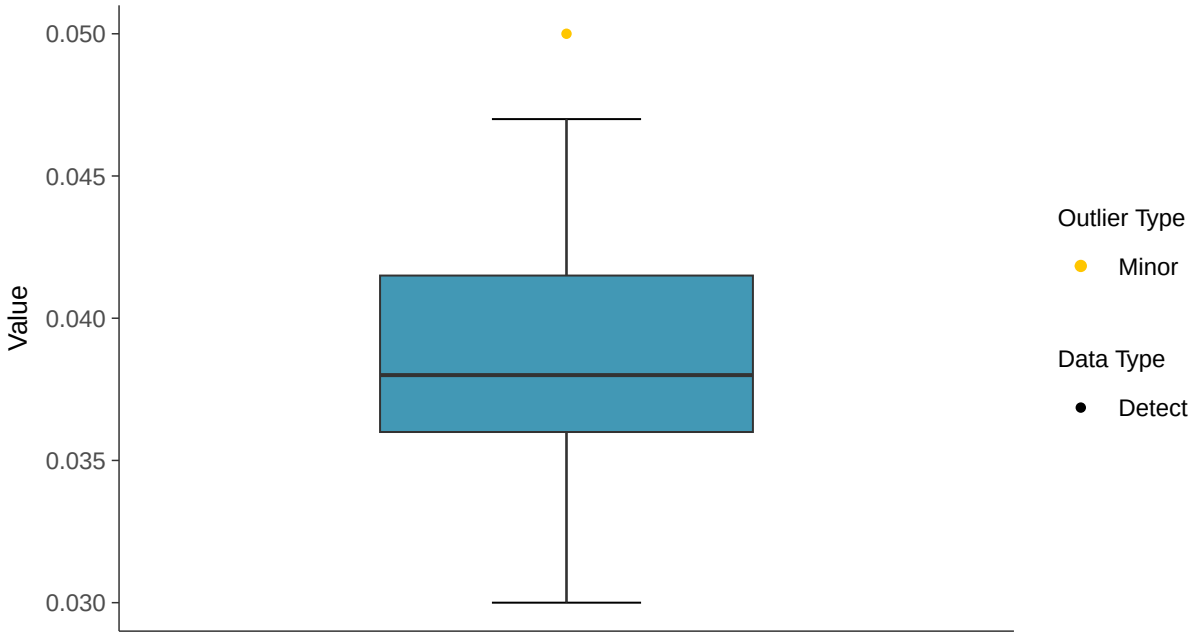
ID: 29_1_4_103





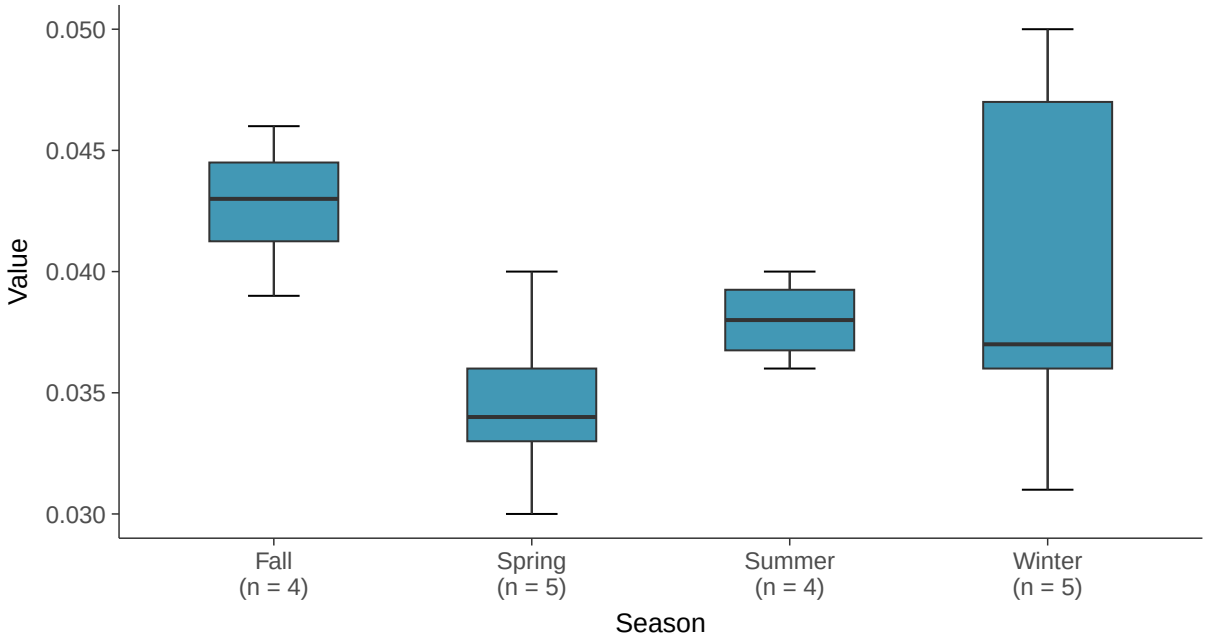
Boxplot

Barium, MW-19 (mg/L)



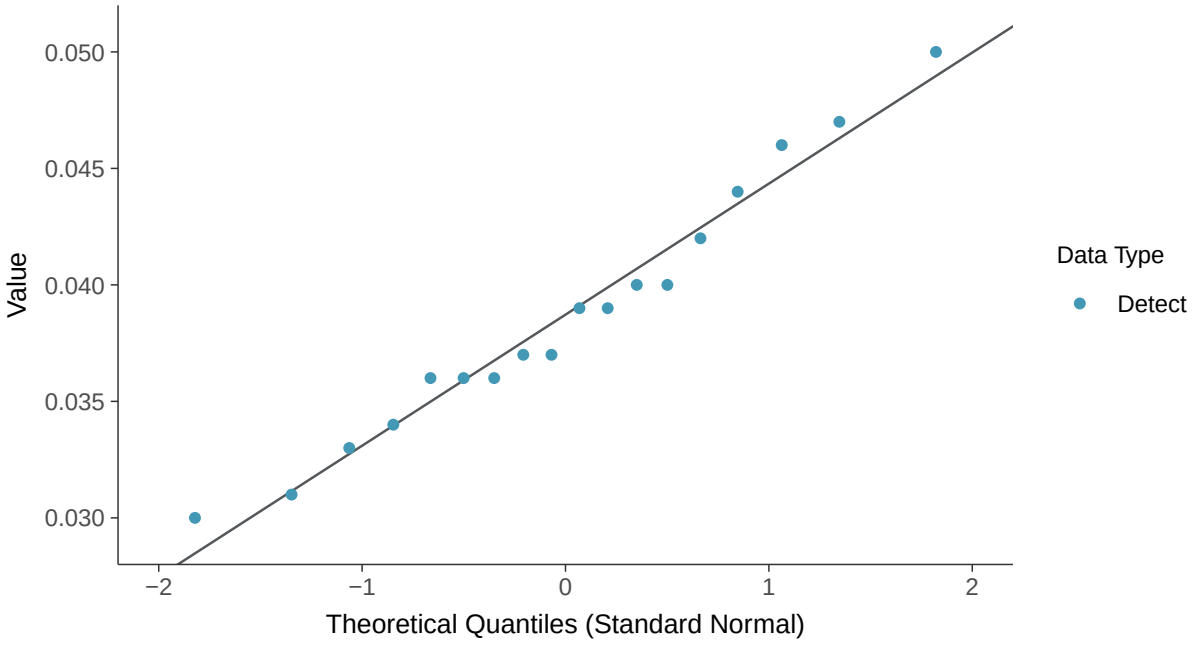
Boxplot by Season

Barium, MW-19 (mg/L)



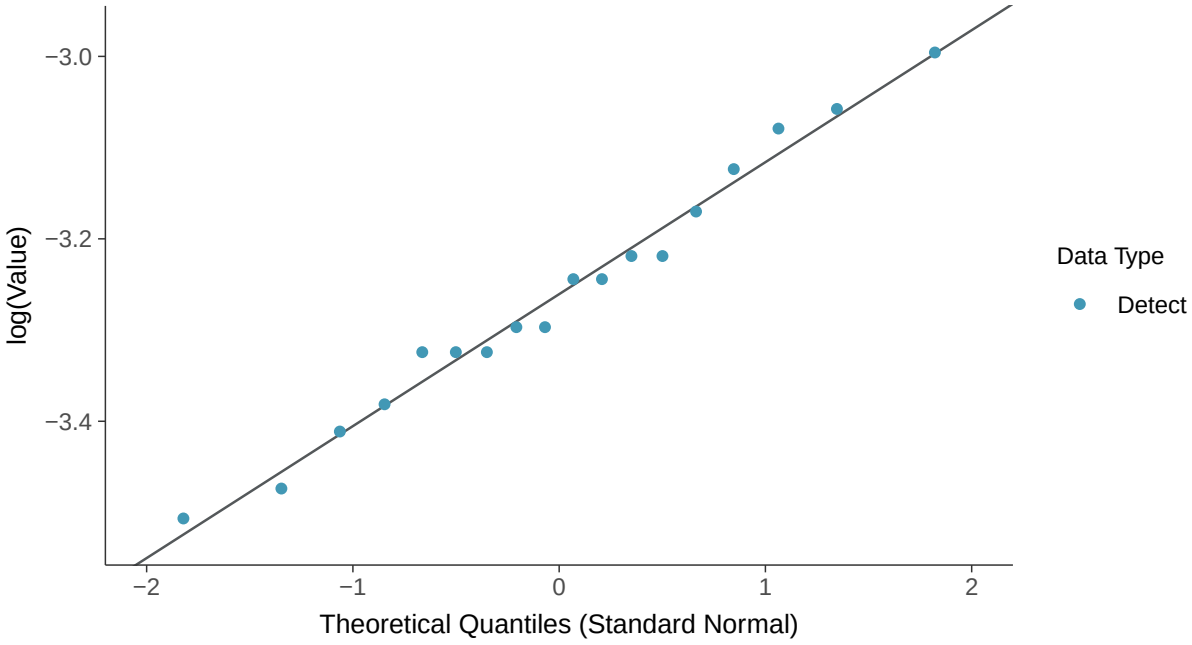
Normal Q-Q plot

Barium, MW-19 (mg/L)



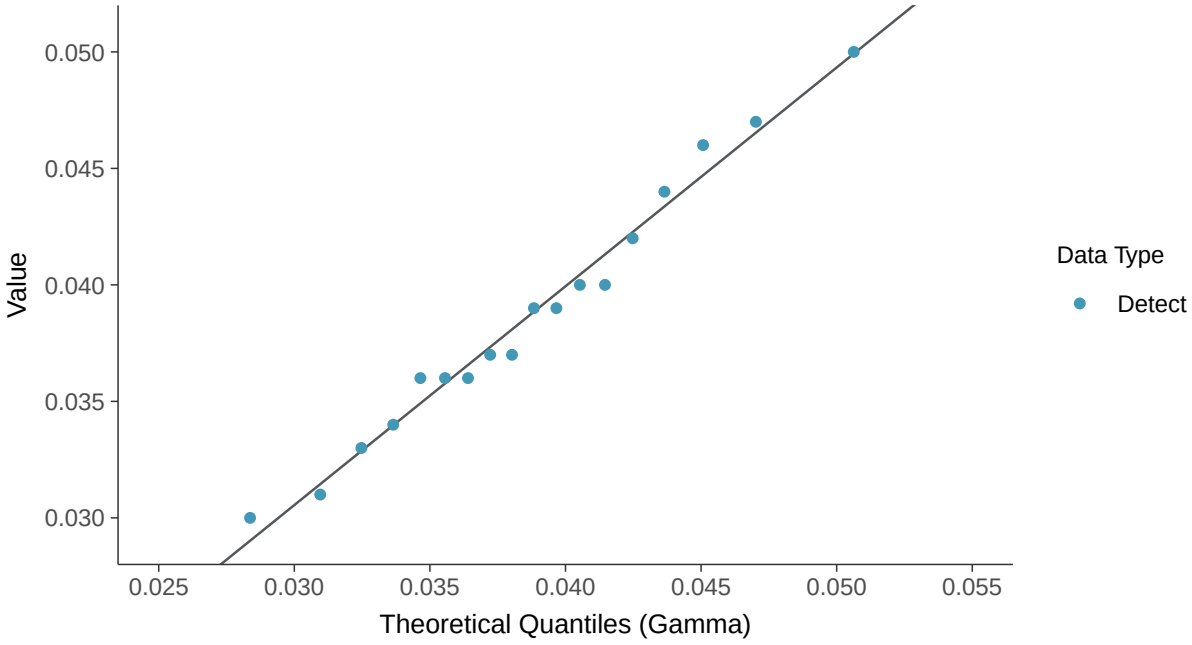
Lognormal Q-Q plot

Barium, MW-19 (mg/L)



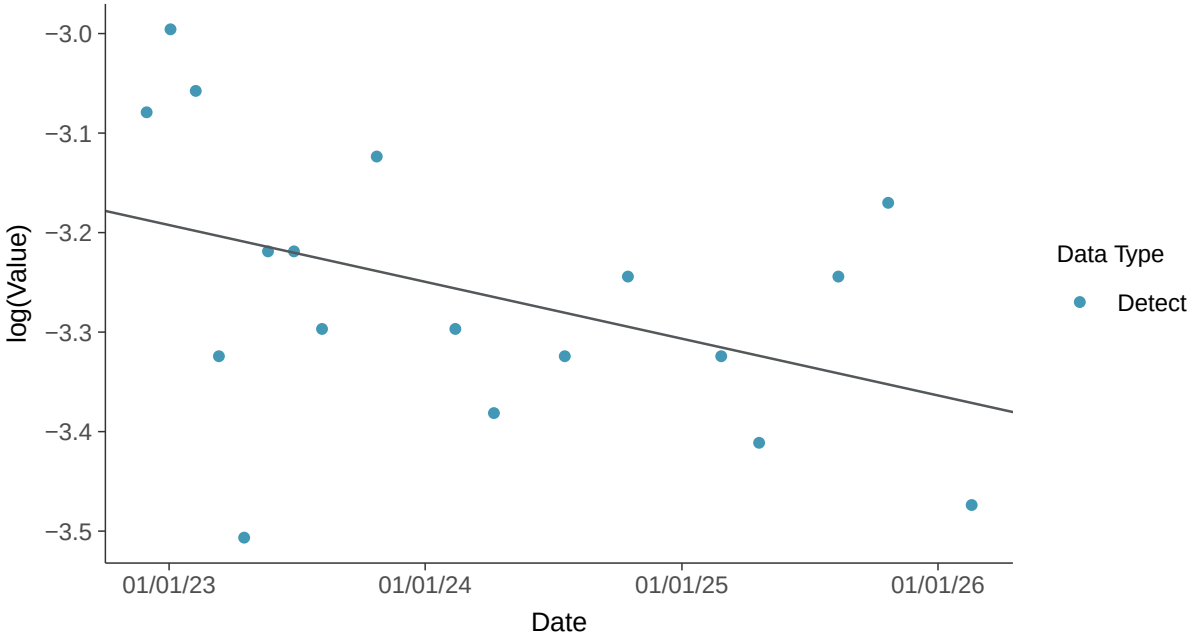
Gamma Q-Q plot

Barium, MW-19 (mg/L)



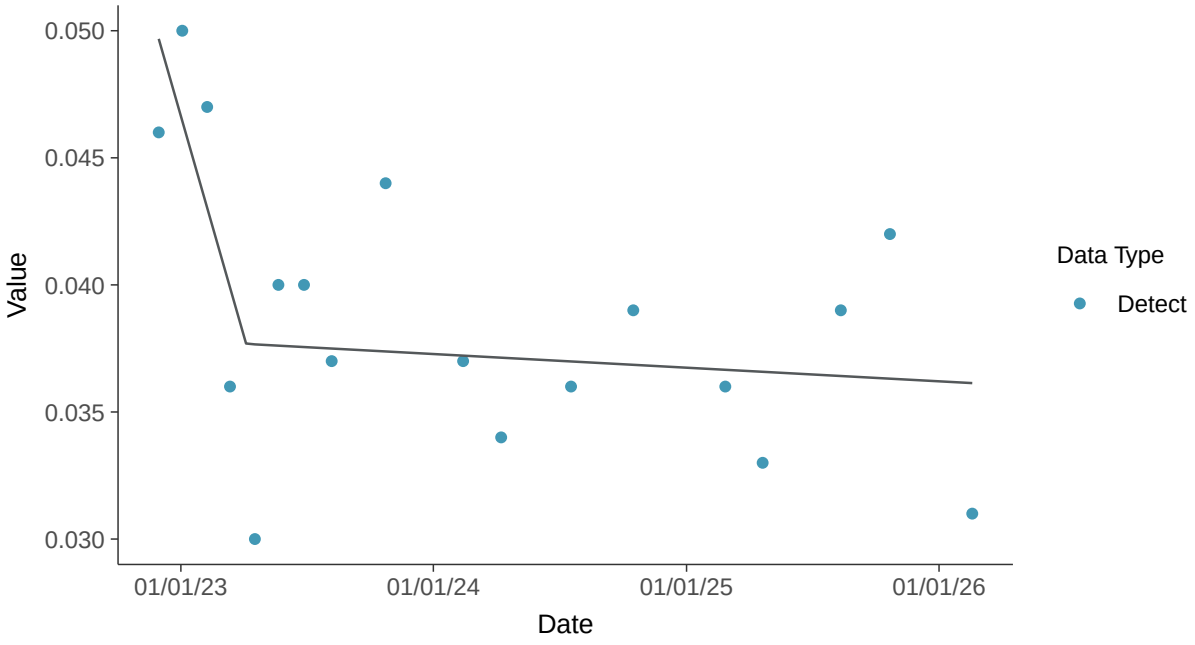
Trend Regression: Lognormal MLE

Barium, MW-19 (mg/L)



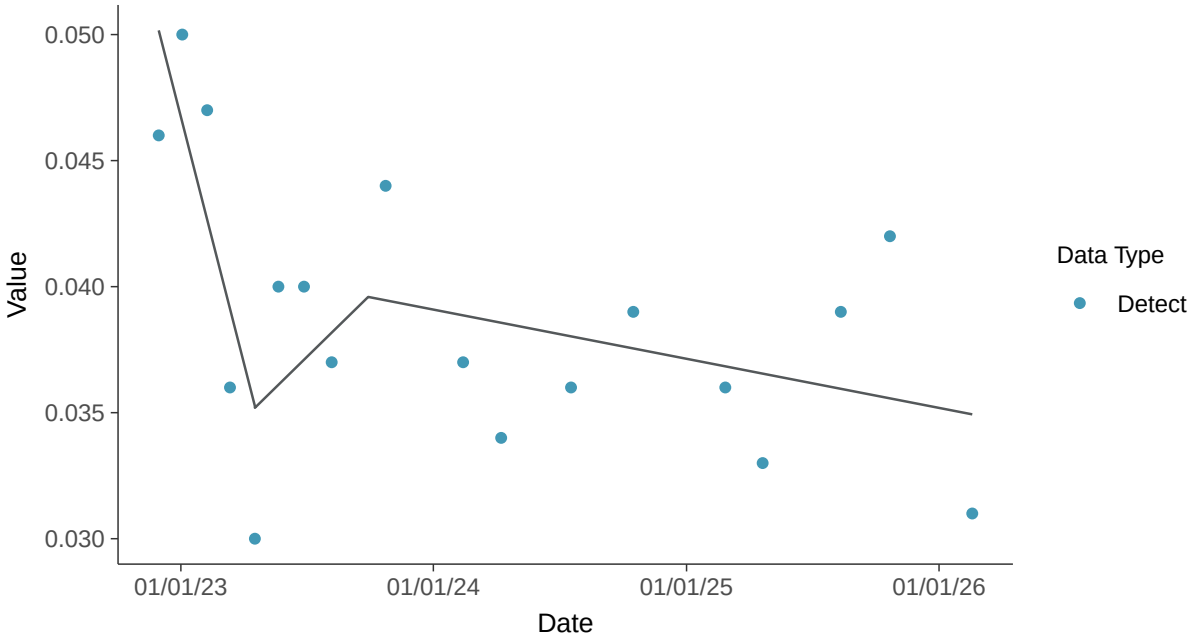
Trend Regression: Piecewise Linear-Linear

Barium, MW-19 (mg/L)



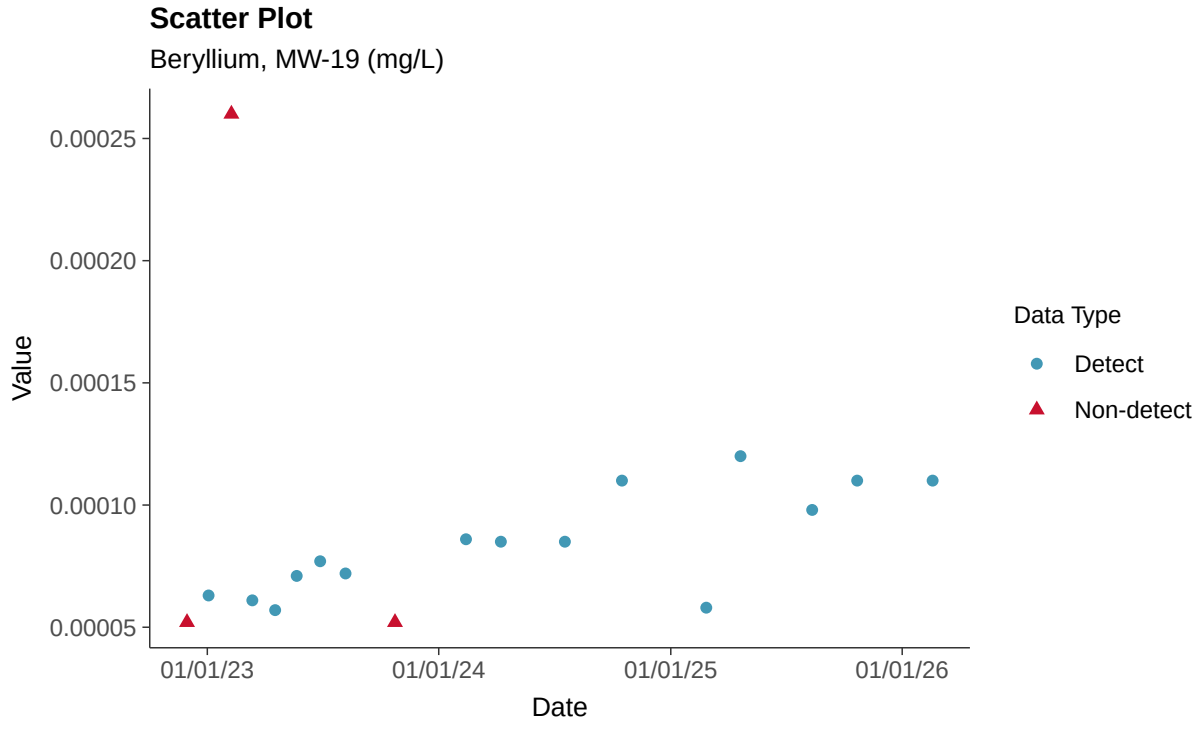
Trend Regression: Piecewise Linear-Linear-Linear

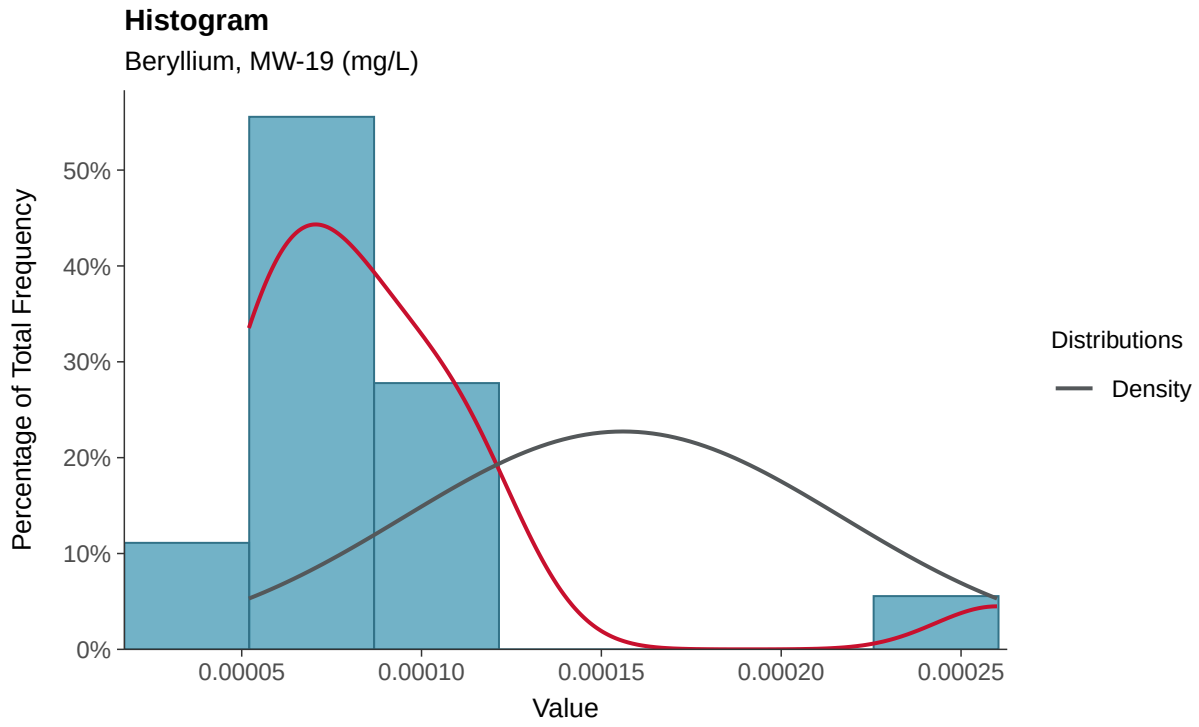
Barium, MW-19 (mg/L)



Appendix IV: Beryllium, MW-19

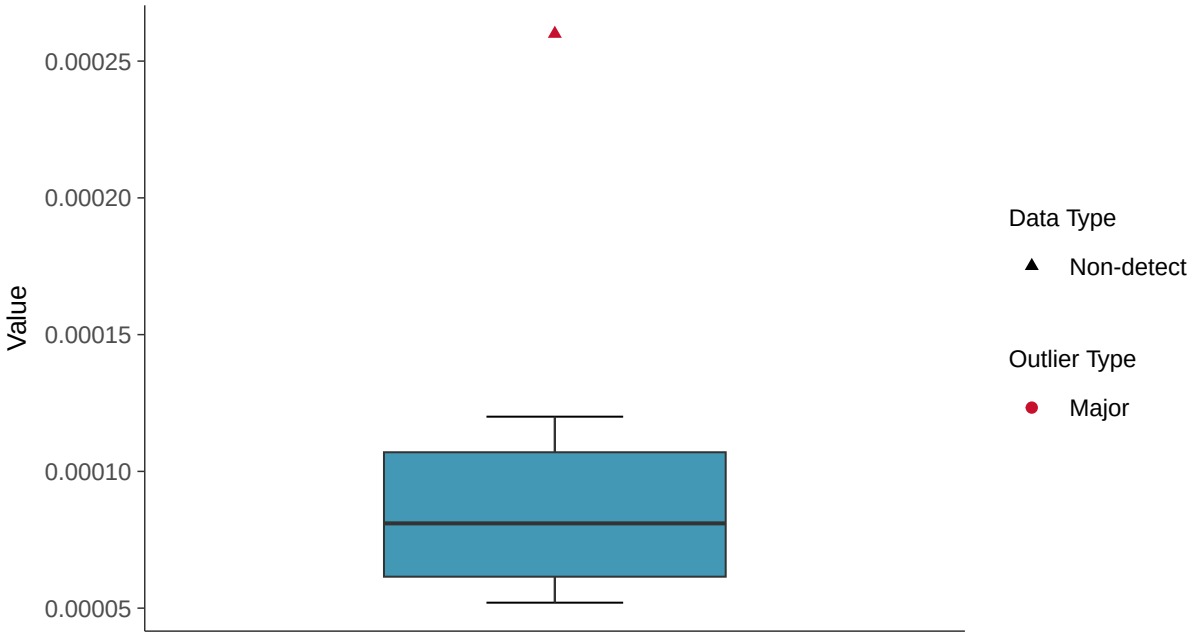
ID: 29_1_4_104





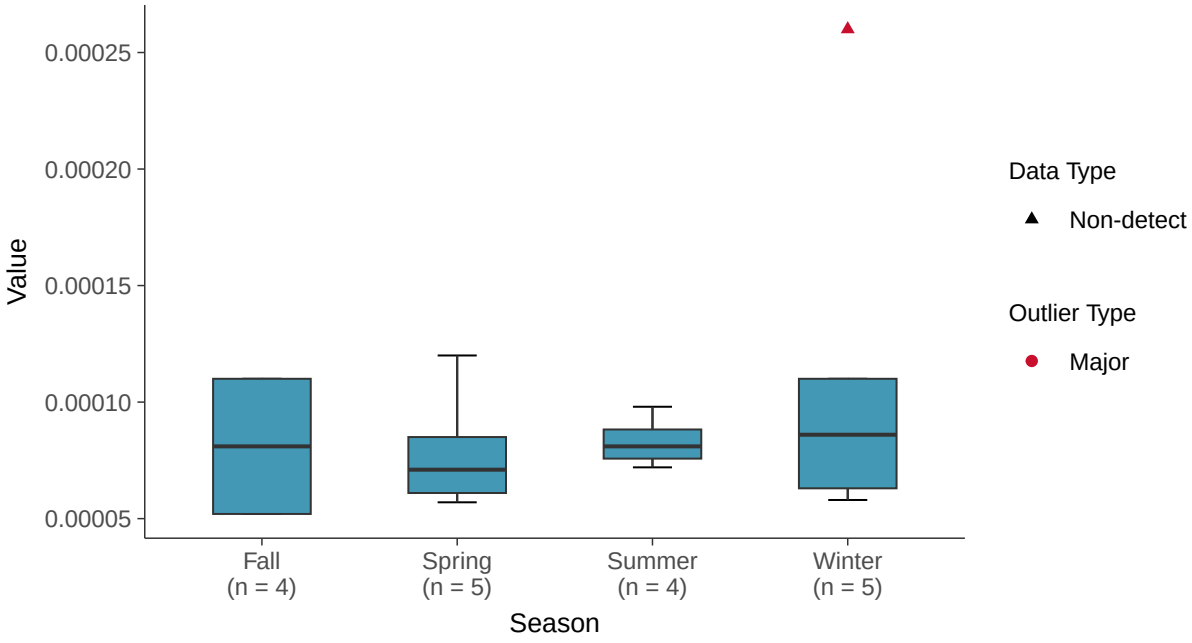
Boxplot

Beryllium, MW-19 (mg/L)



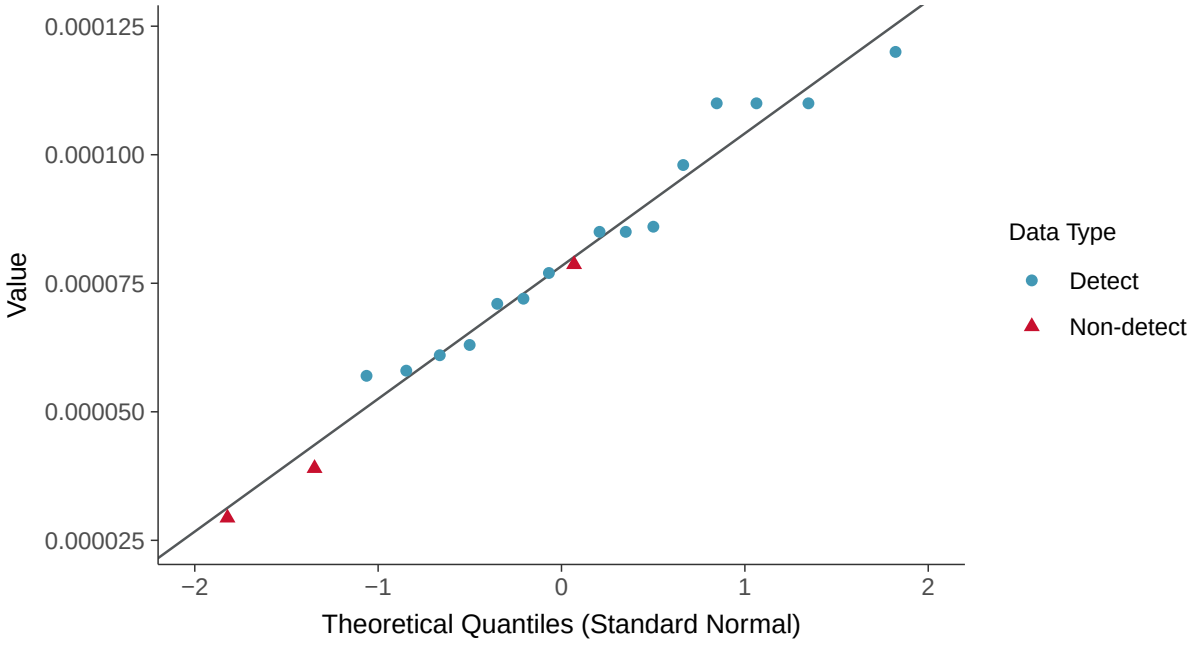
Boxplot by Season

Beryllium, MW-19 (mg/L)



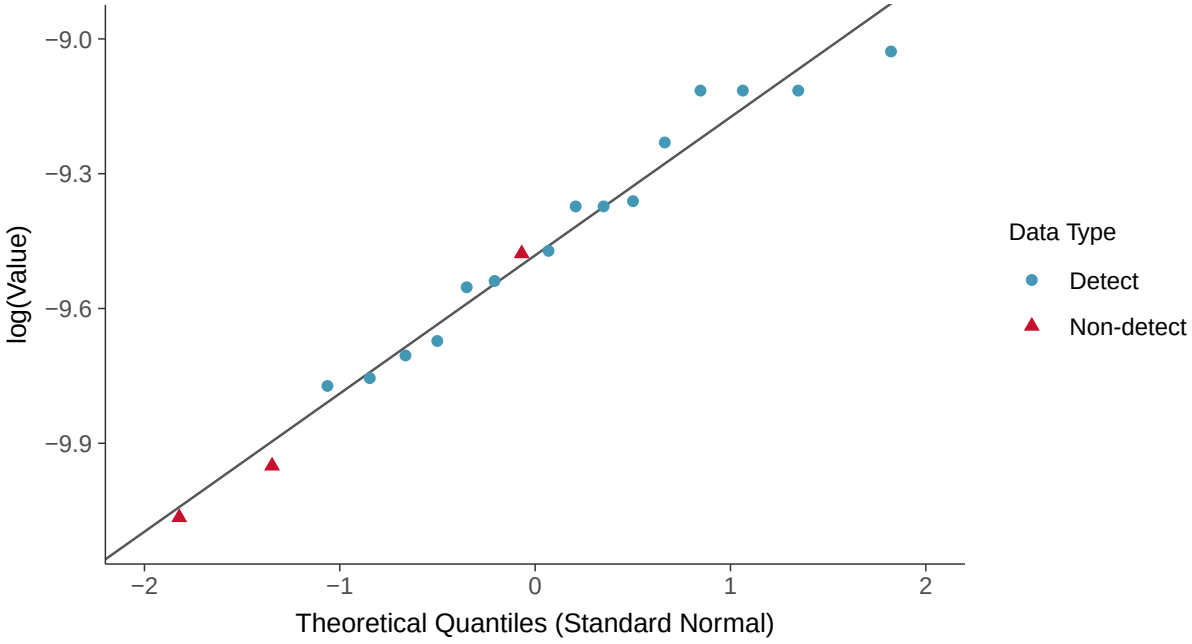
Normal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-19 (mg/L)



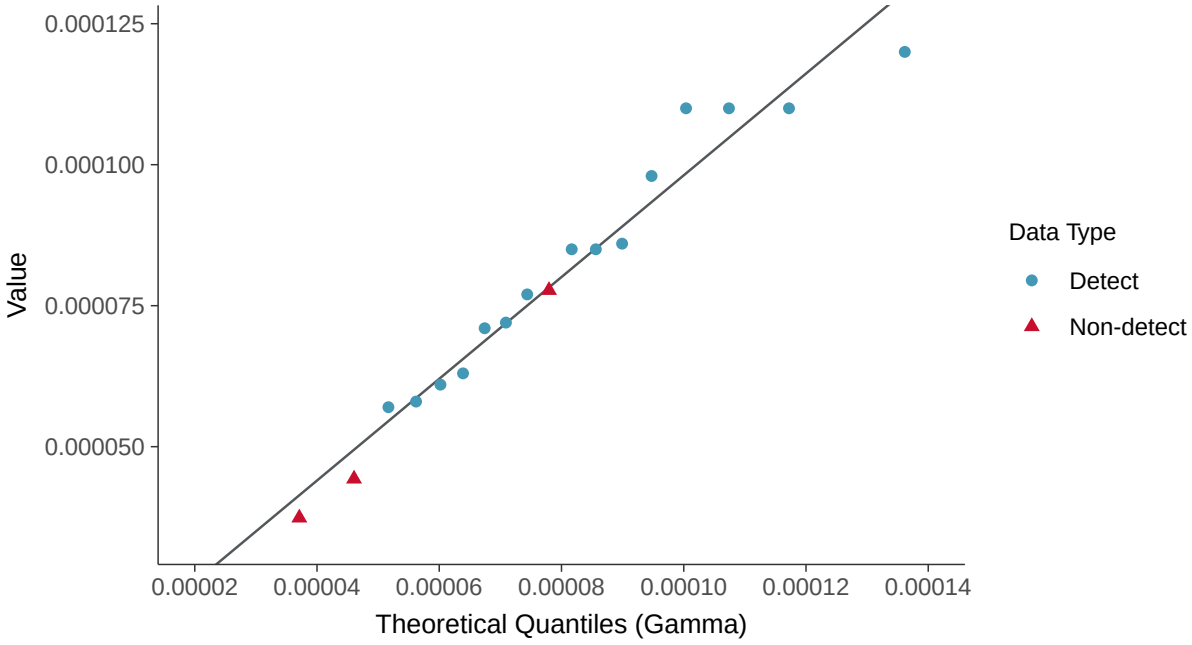
Lognormal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-19 (mg/L)



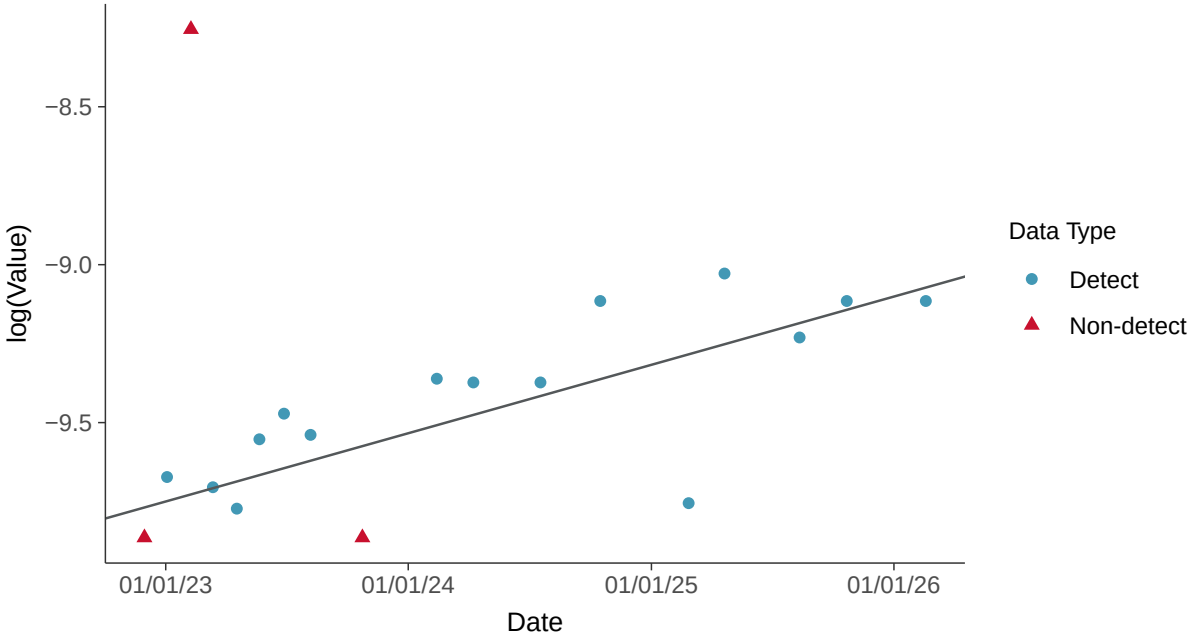
Gamma Q-Q plot using ROS Imputed Estimates

Beryllium, MW-19 (mg/L)



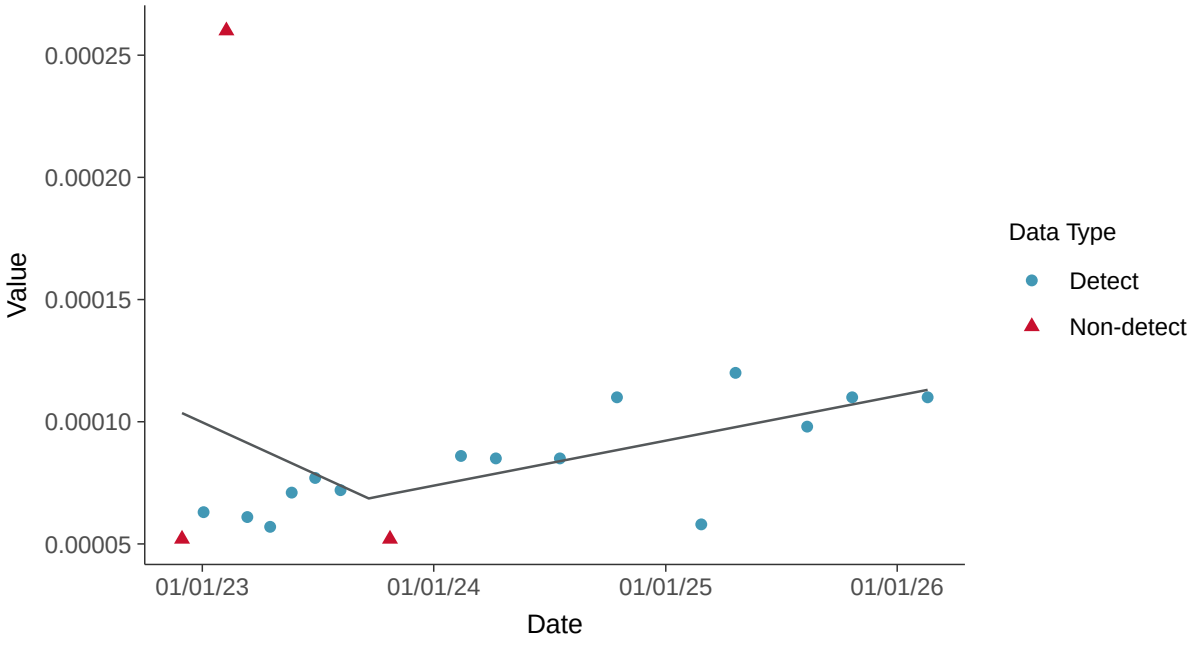
Trend Regression: Lognormal MLE

Beryllium, MW-19 (mg/L)



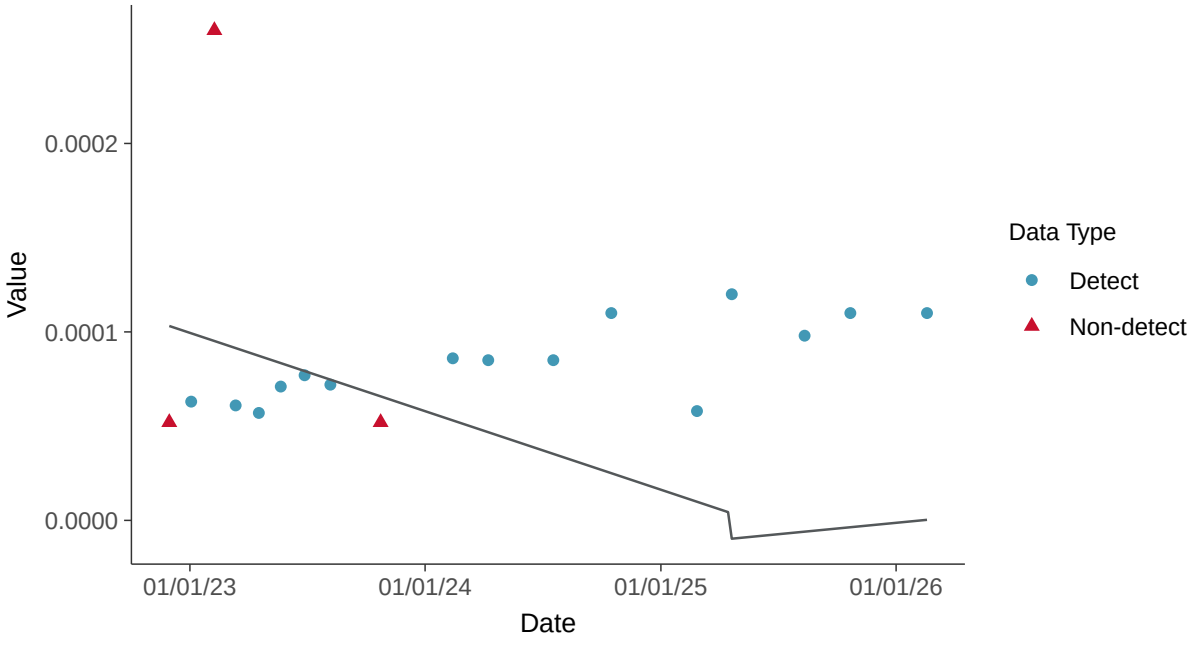
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-19 (mg/L)



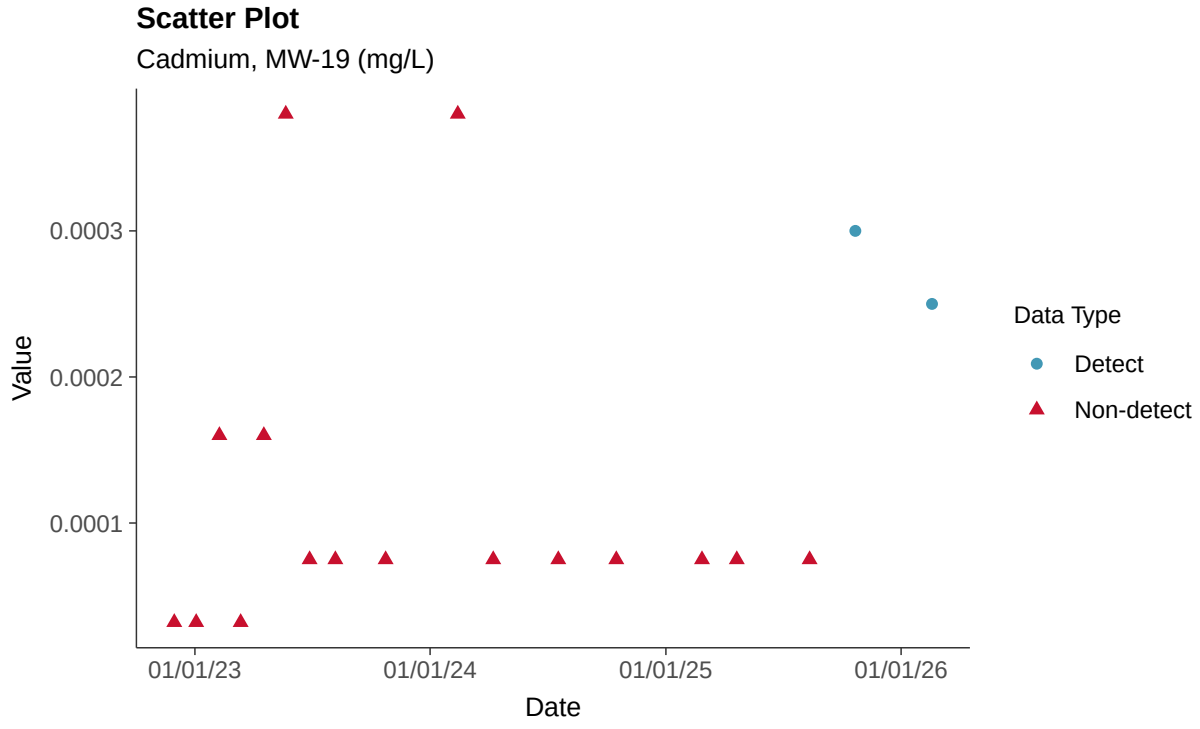
Trend Regression: Piecewise Linear-Linear-Linear

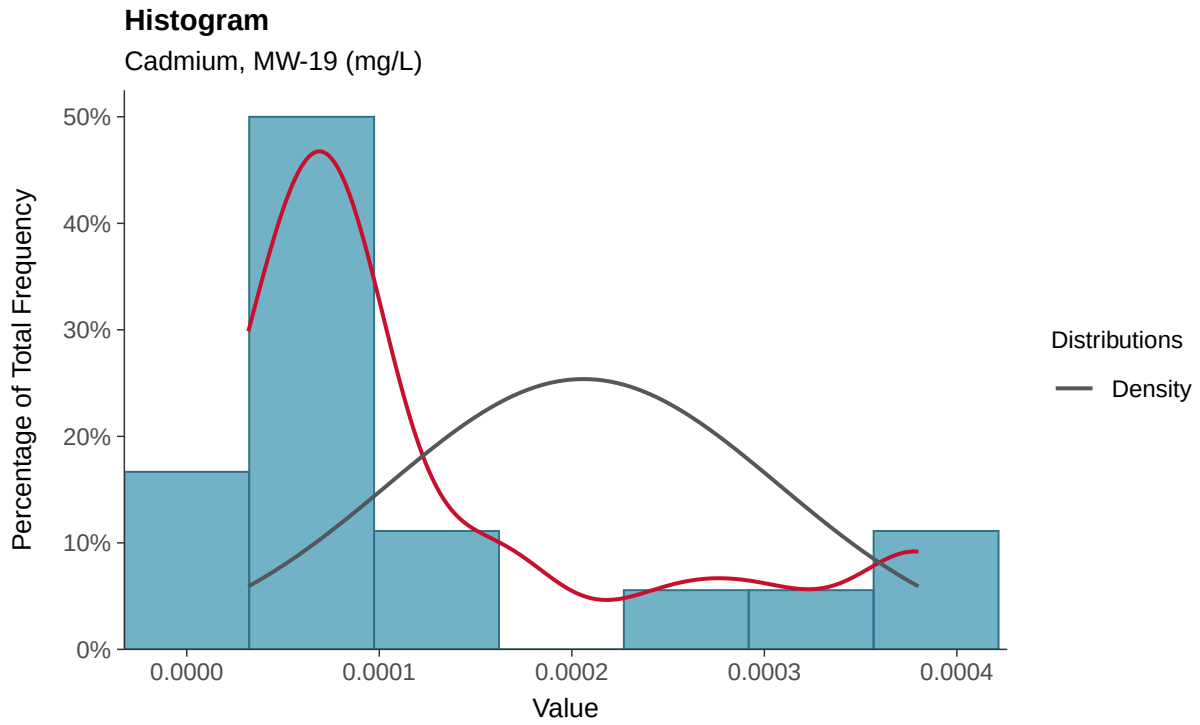
Beryllium, MW-19 (mg/L)



Appendix IV: Cadmium, MW-19

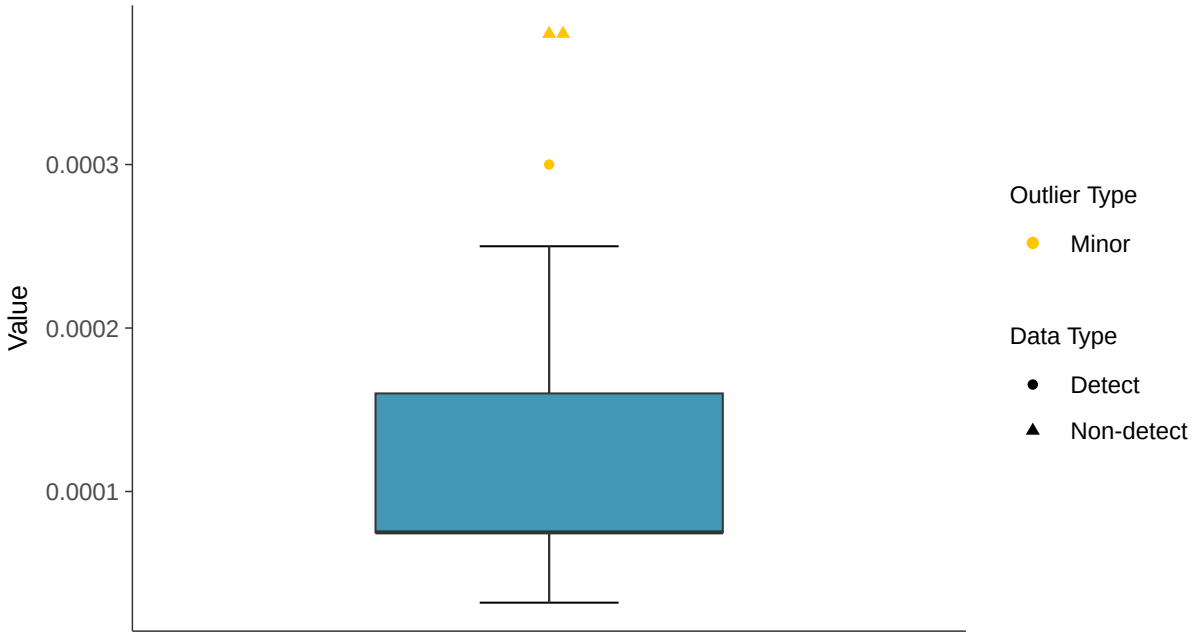
ID: 29_1_4_106





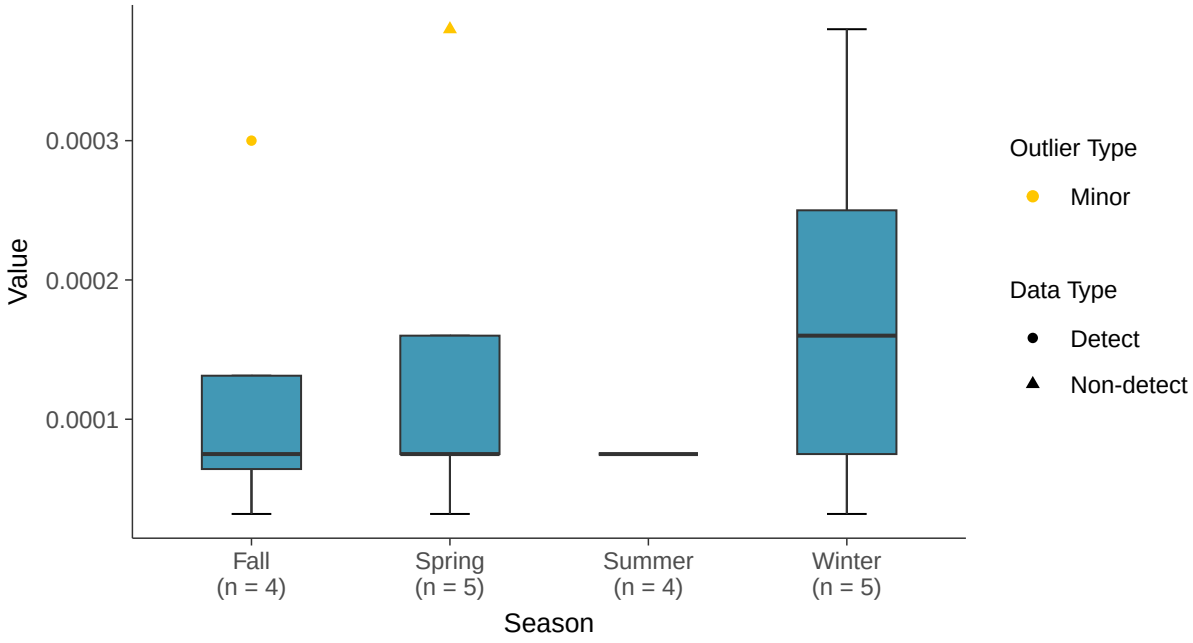
Boxplot

Cadmium, MW-19 (mg/L)



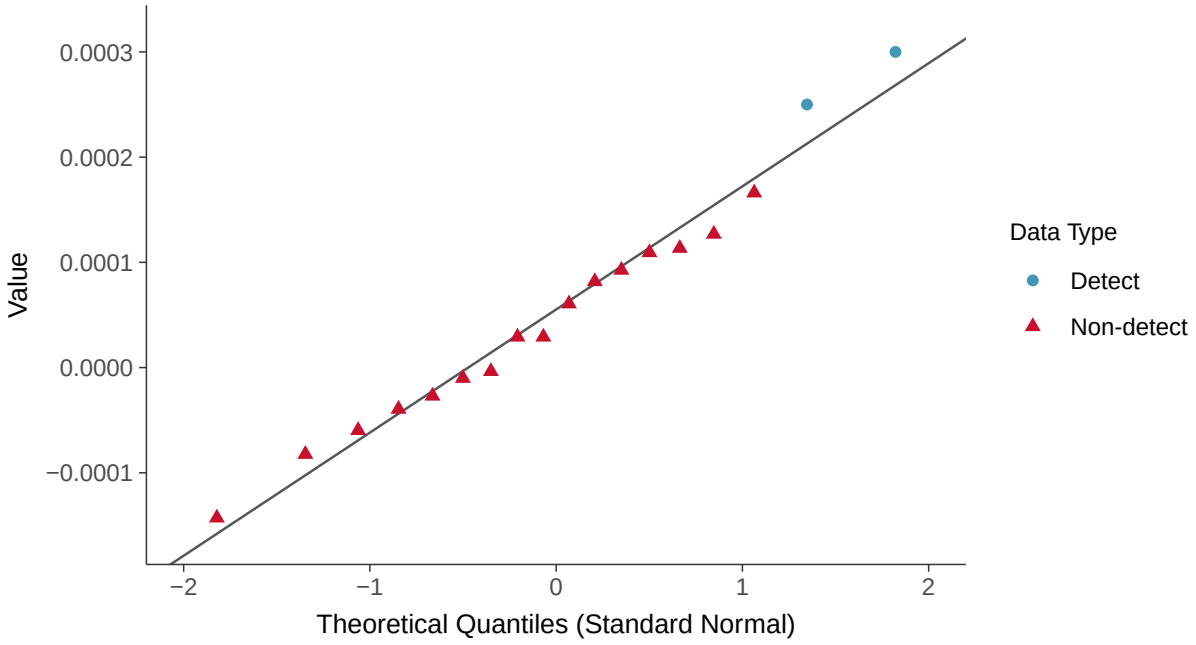
Boxplot by Season

Cadmium, MW-19 (mg/L)



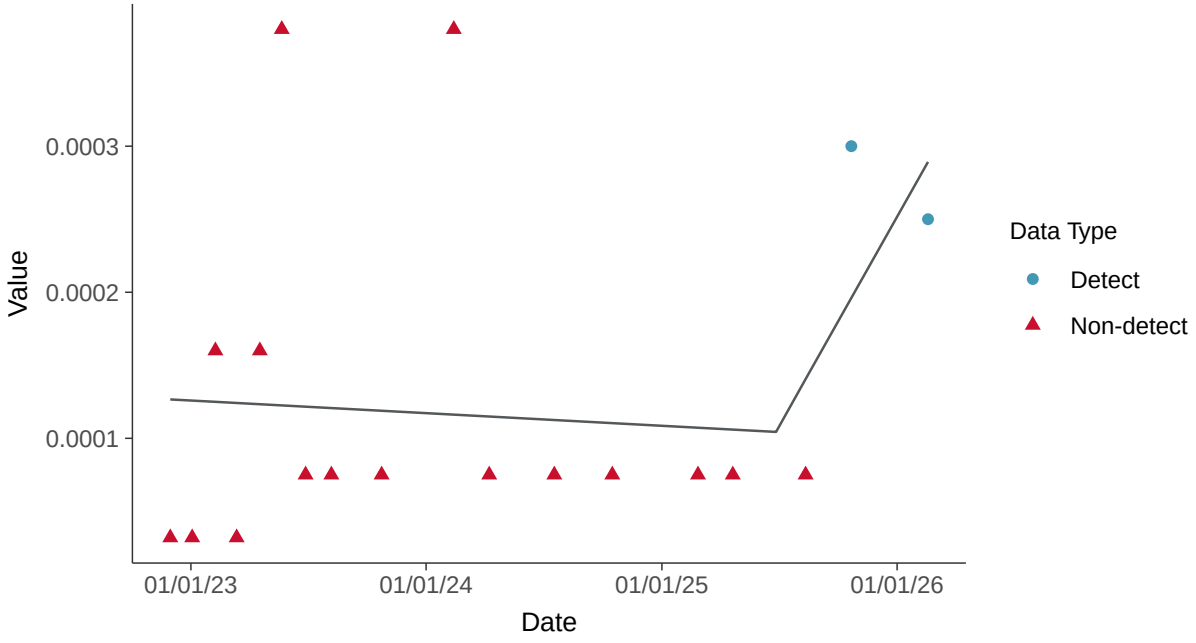
Normal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-19 (mg/L)



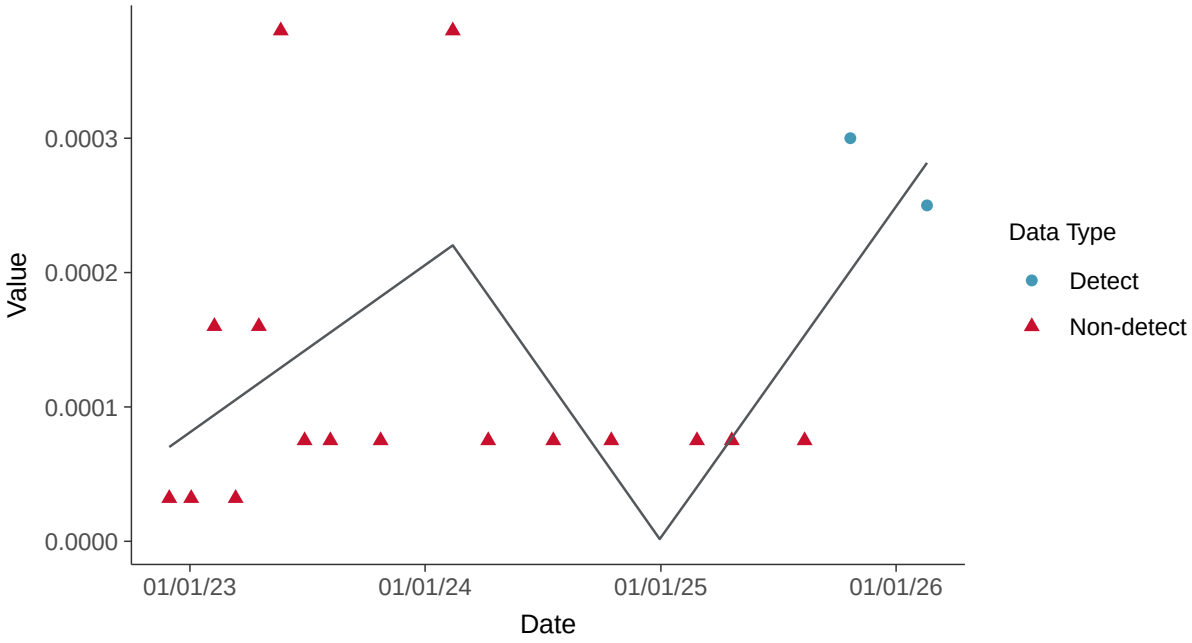
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-19 (mg/L)



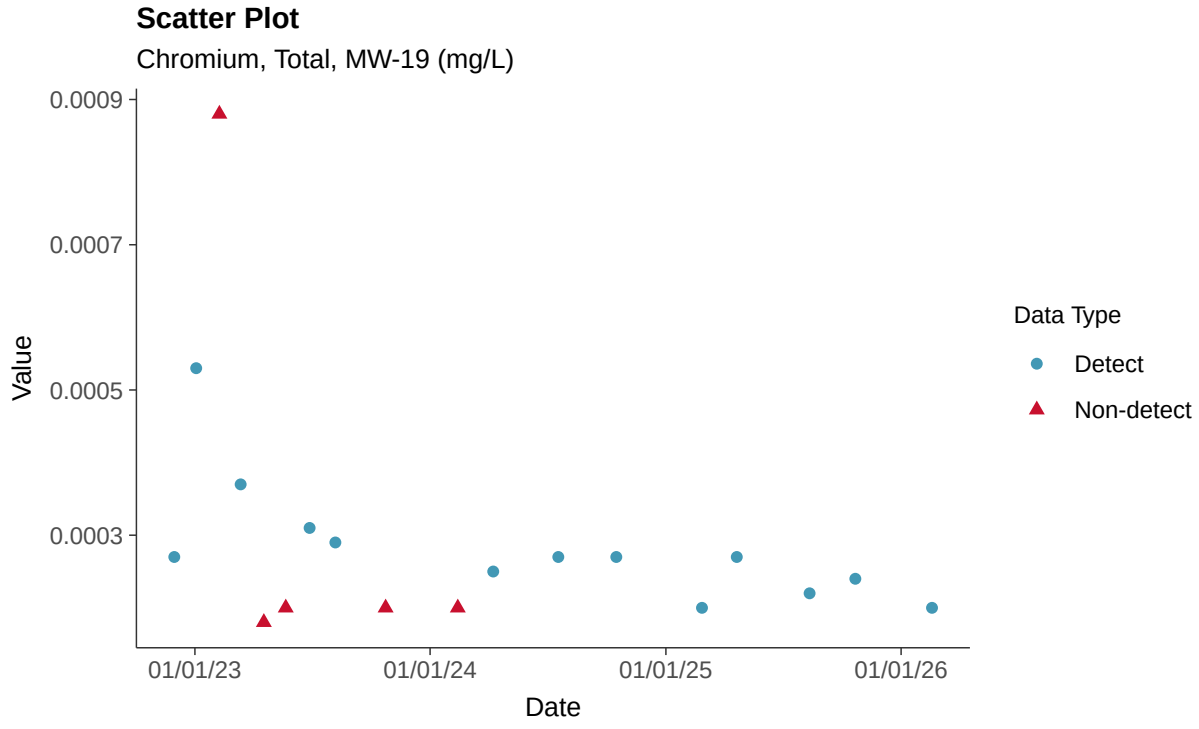
Trend Regression: Piecewise Linear-Linear-Linear

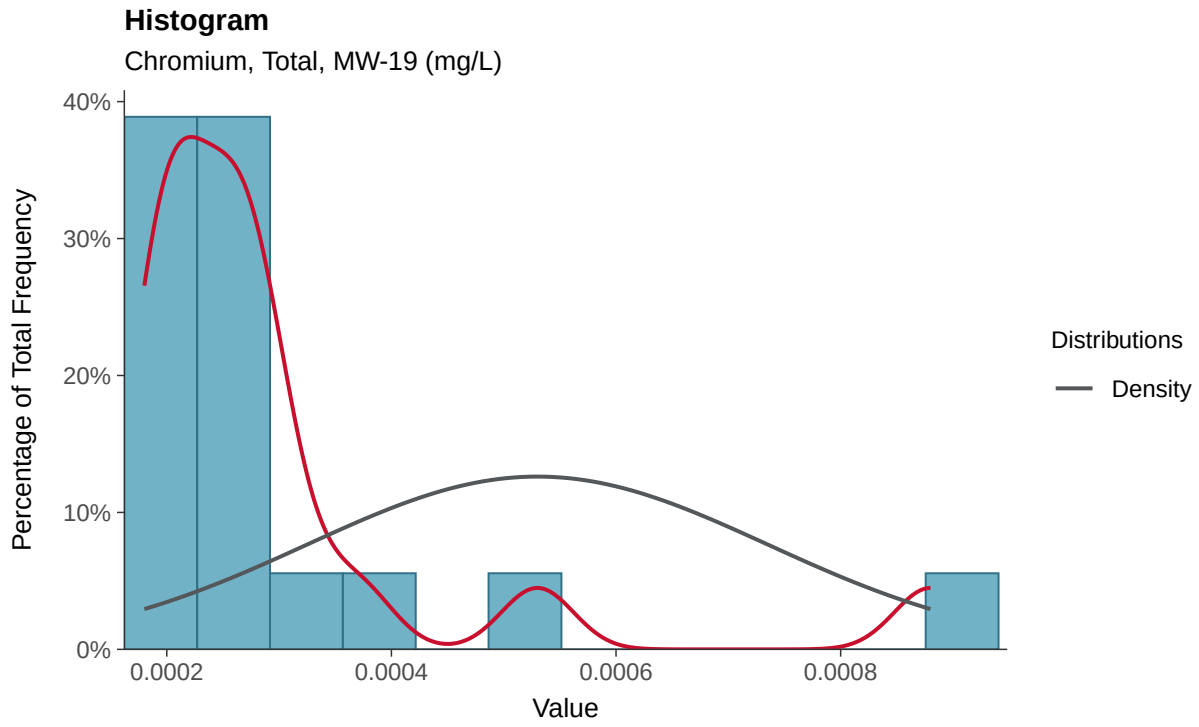
Cadmium, MW-19 (mg/L)



Appendix IV: Chromium, Total, MW-19

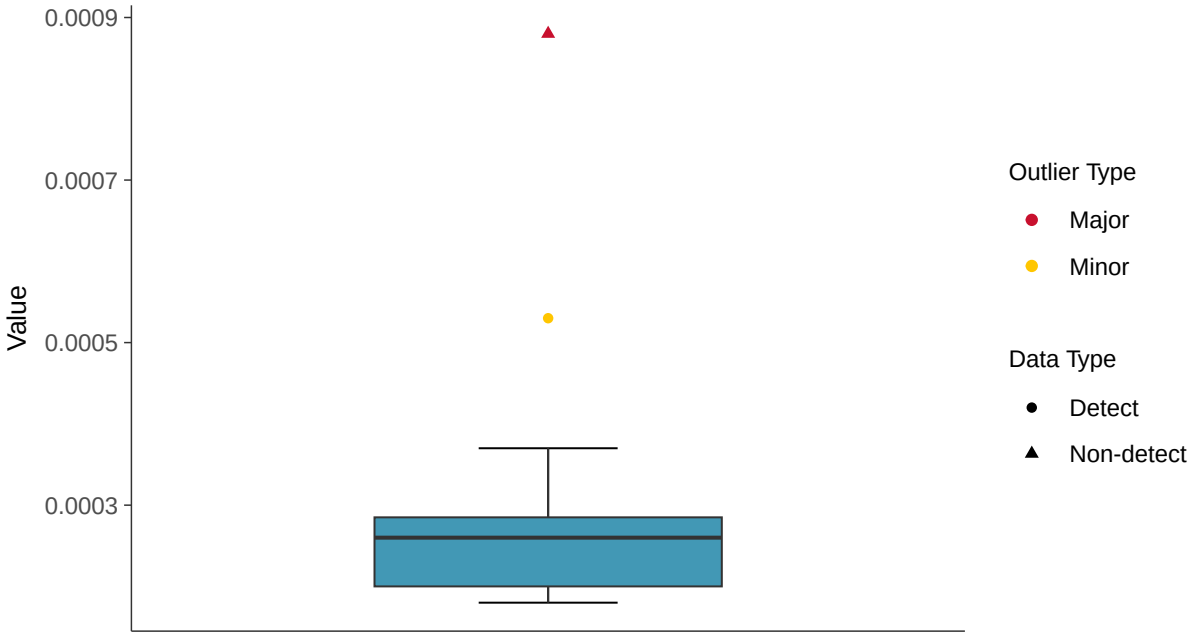
ID: 29_1_4_109





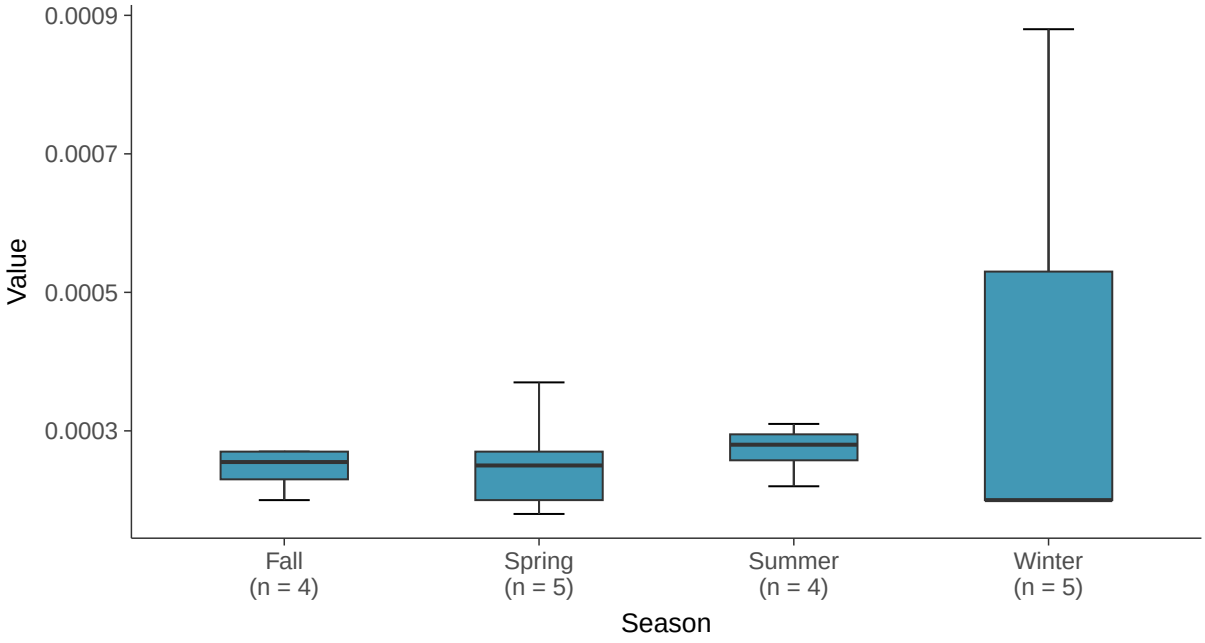
Boxplot

Chromium, Total, MW-19 (mg/L)



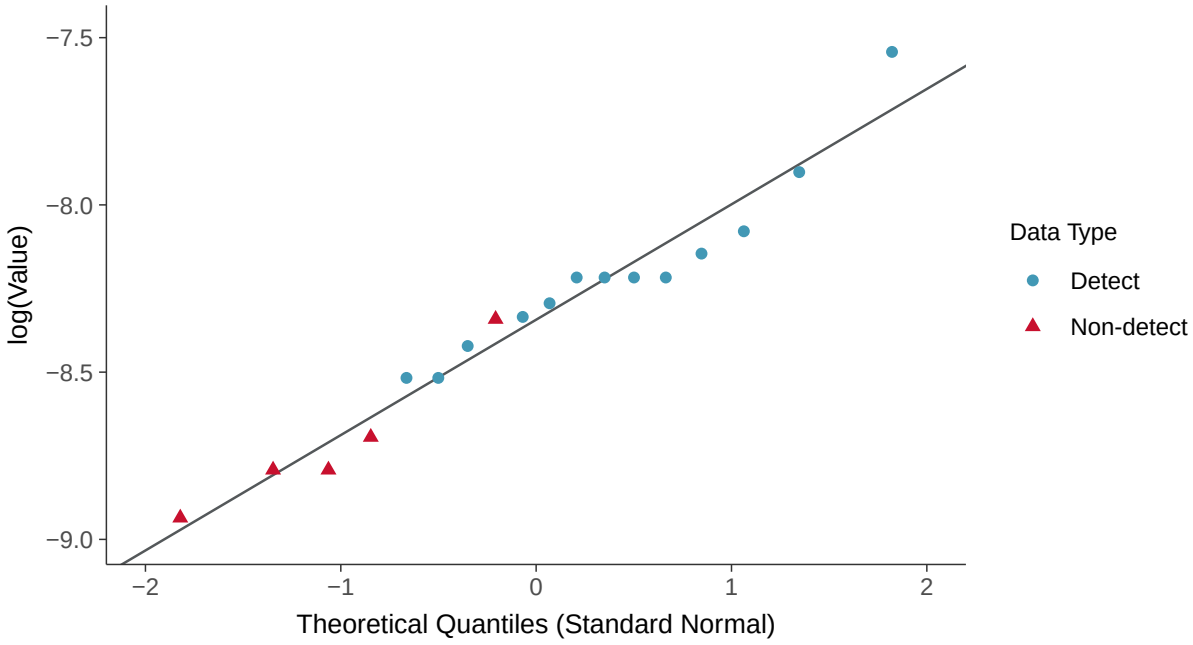
Boxplot by Season

Chromium, Total, MW-19 (mg/L)



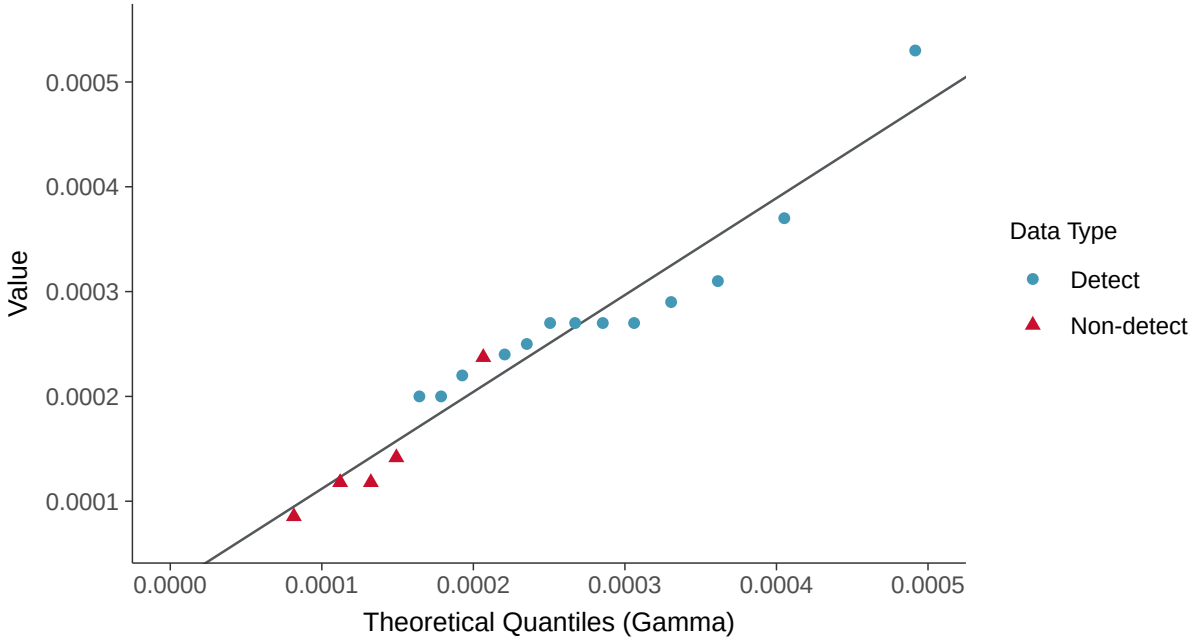
Lognormal Q-Q plot using ROS Imputed Estimates

Chromium, Total, MW-19 (mg/L)



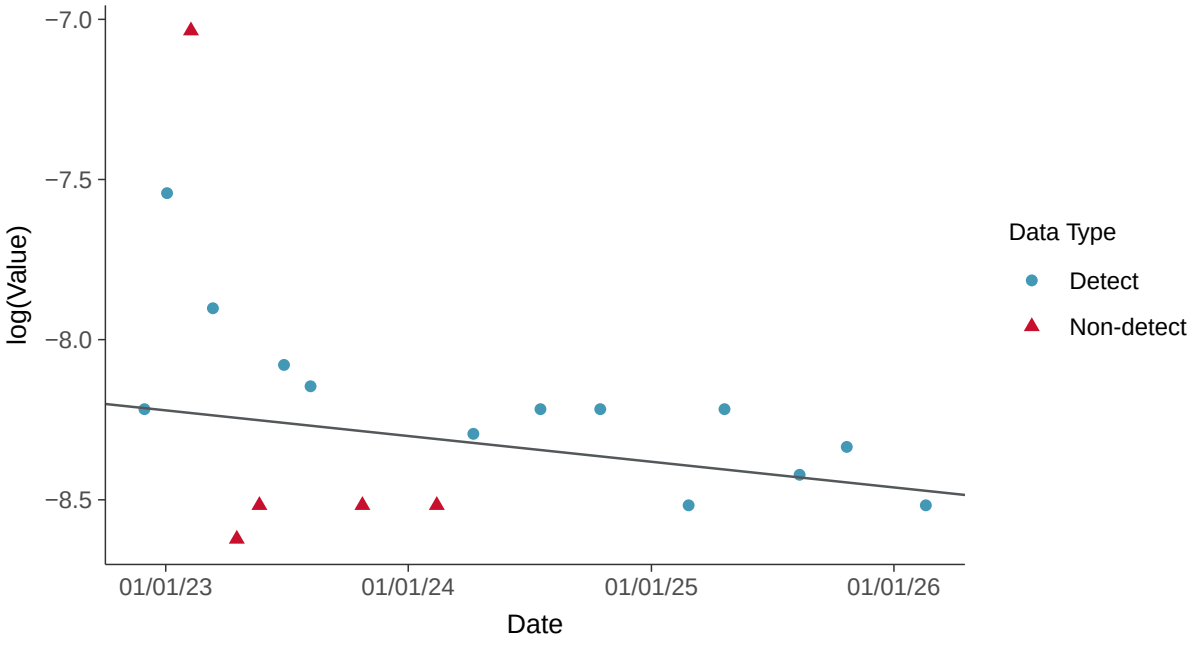
Gamma Q-Q plot using ROS Imputed Estimates

Chromium, Total, MW-19 (mg/L)



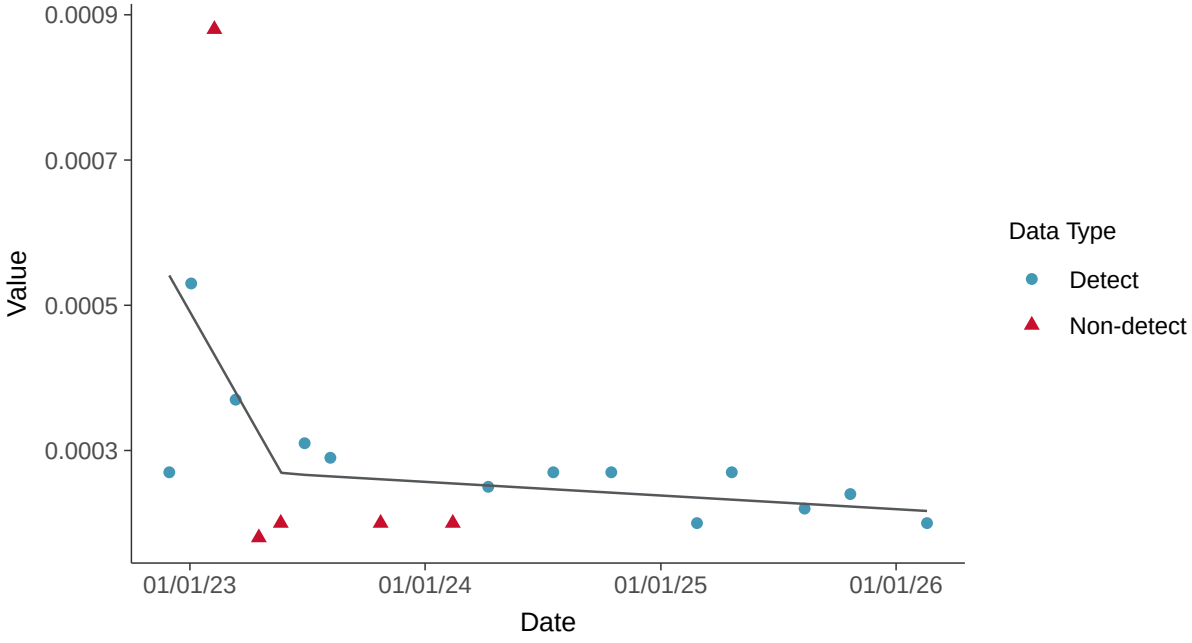
Trend Regression: Lognormal MLE

Chromium, Total, MW-19 (mg/L)



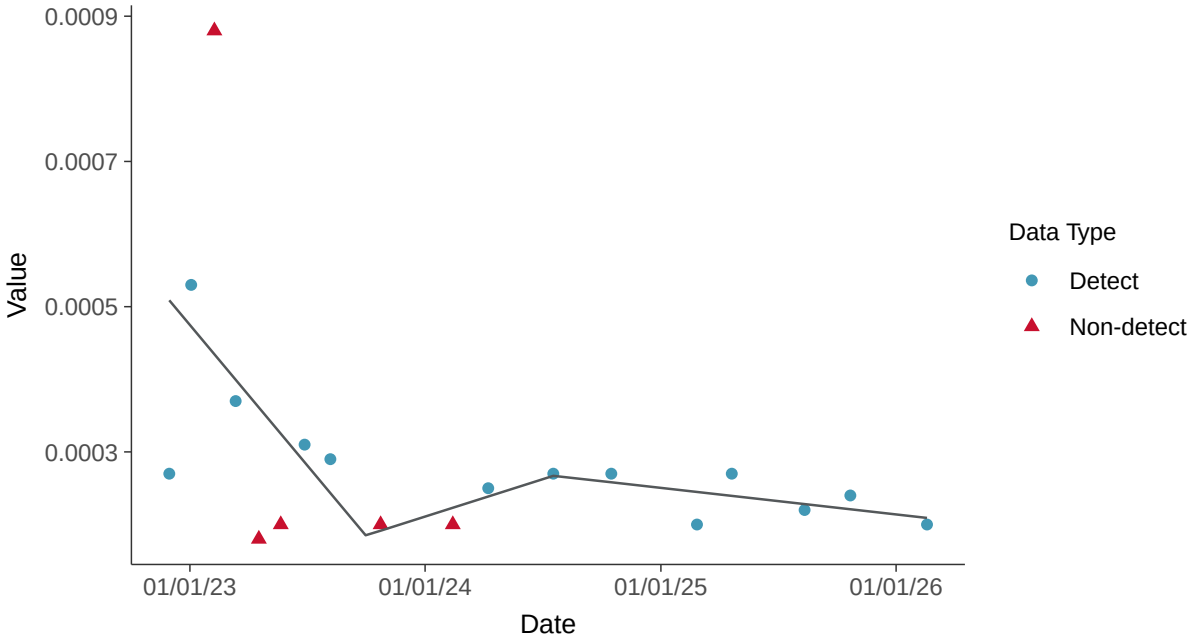
Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-19 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Chromium, Total, MW-19 (mg/L)

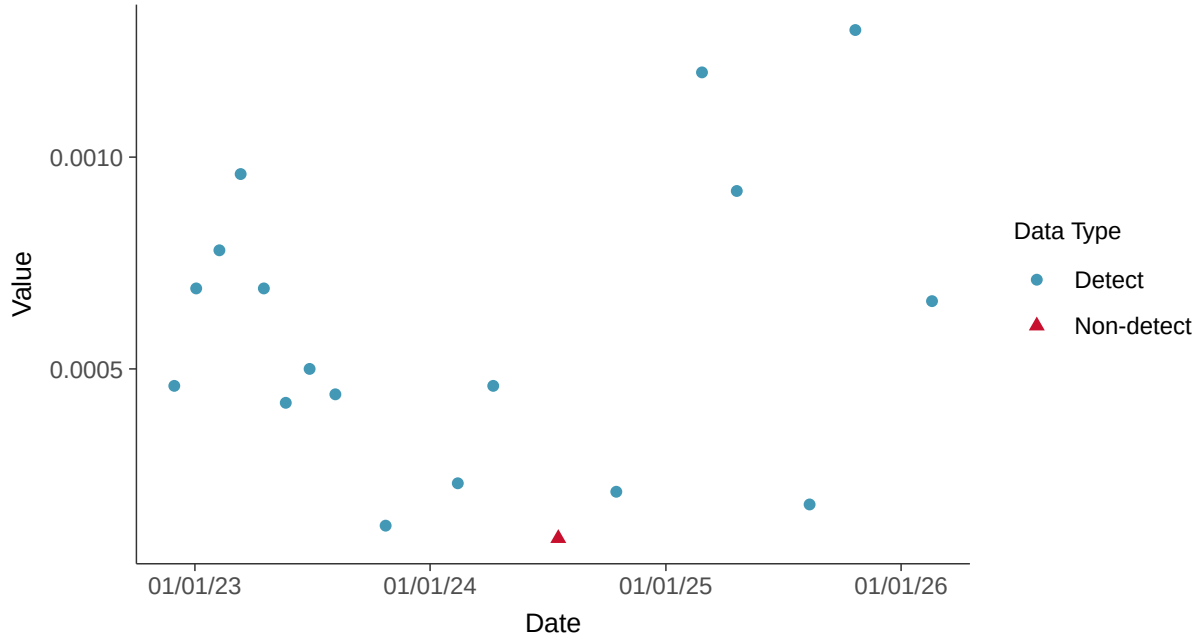


Appendix IV: Cobalt, MW-19

ID: 29_1_4_110

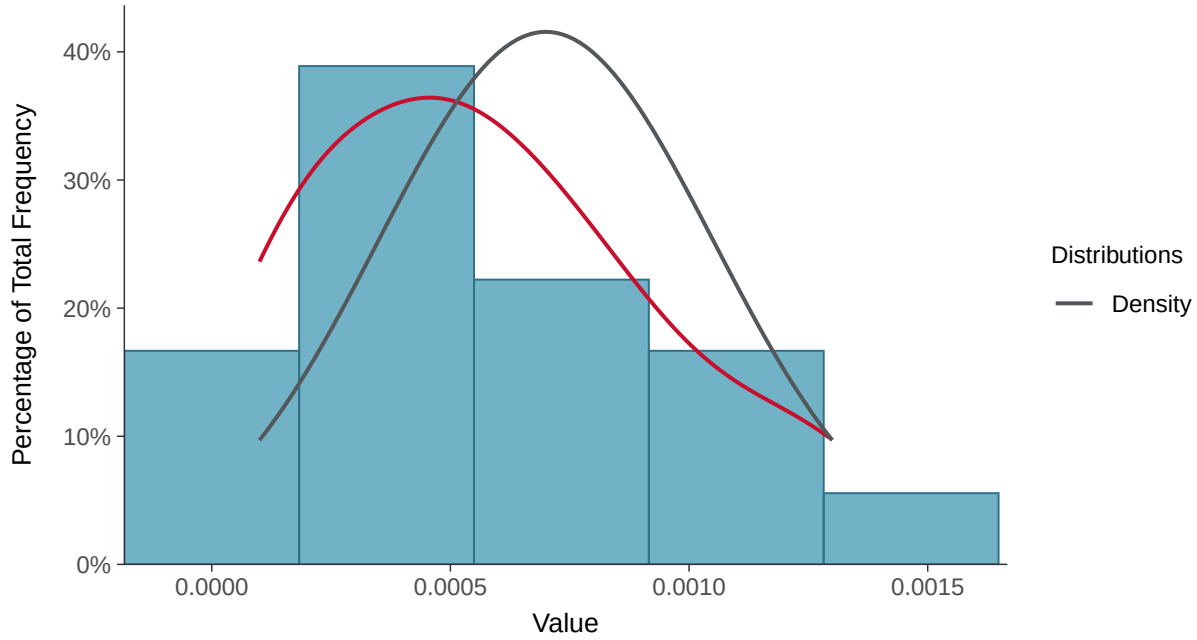
Scatter Plot

Cobalt, MW-19 (mg/L)



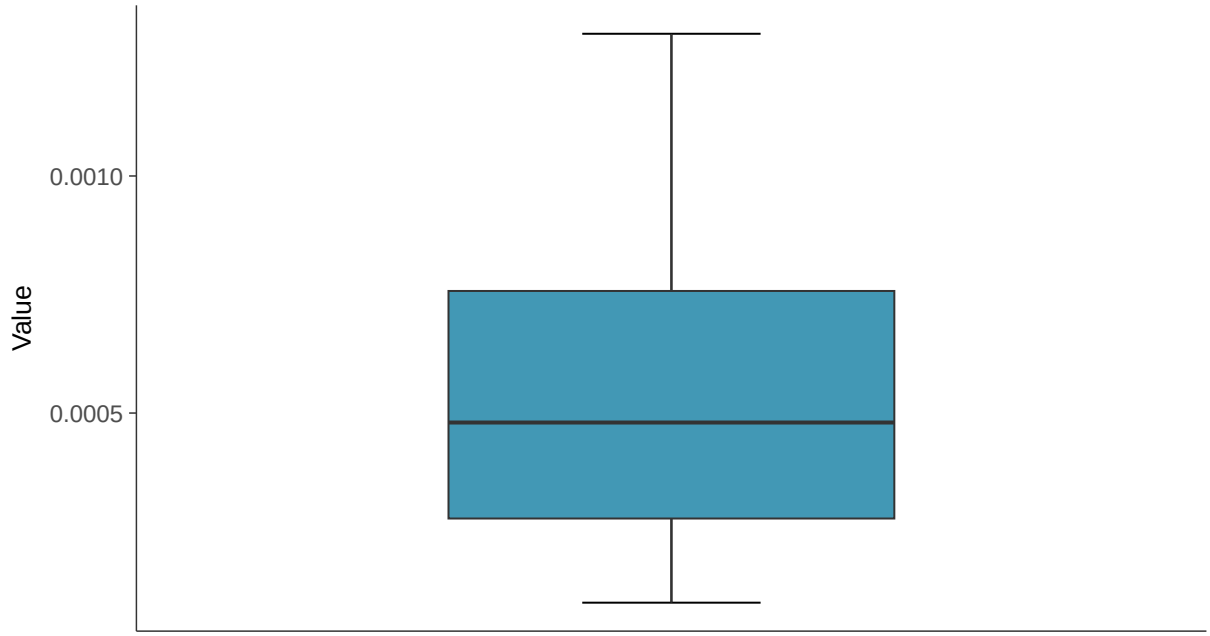
Histogram

Cobalt, MW-19 (mg/L)



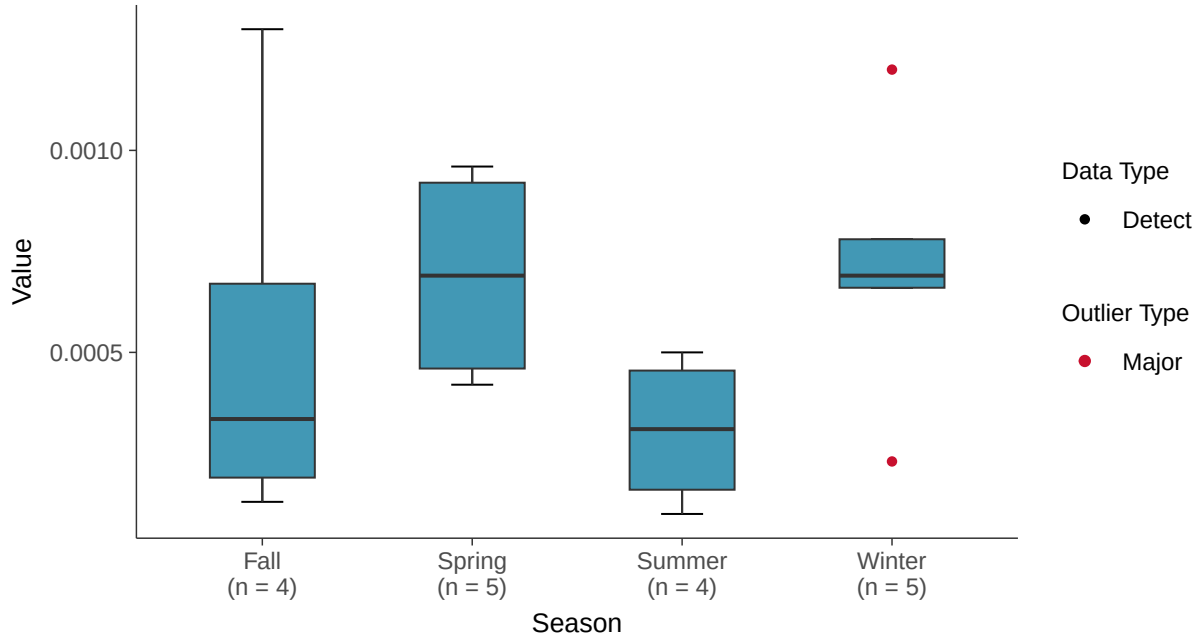
Boxplot

Cobalt, MW-19 (mg/L)



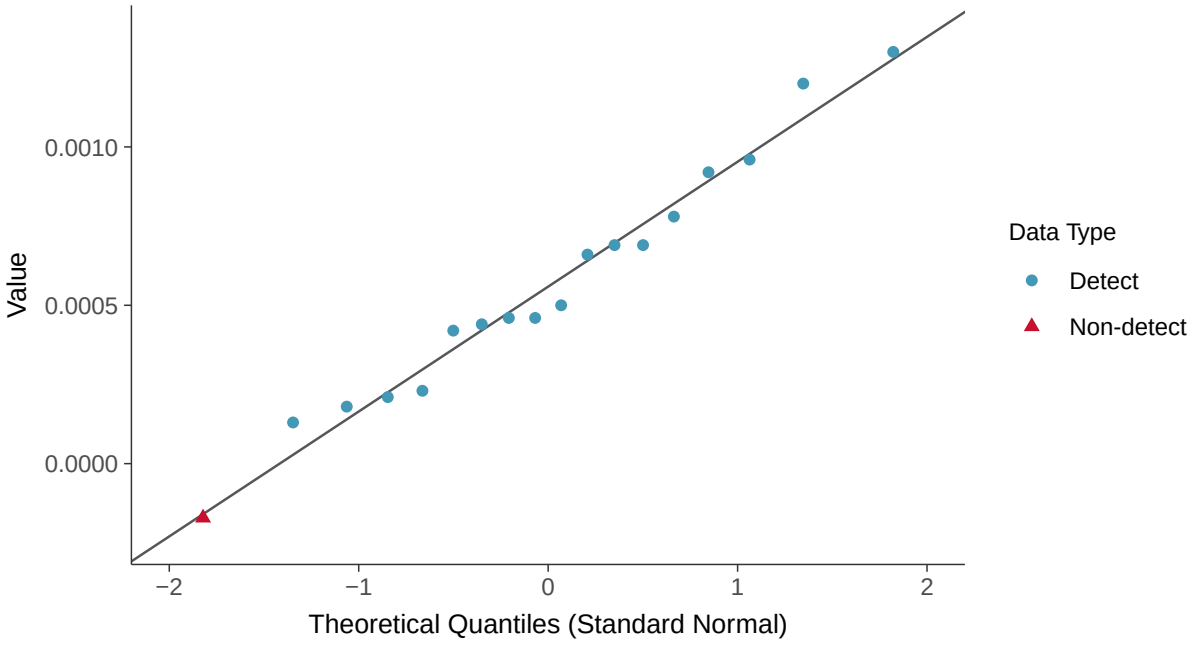
Boxplot by Season

Cobalt, MW-19 (mg/L)



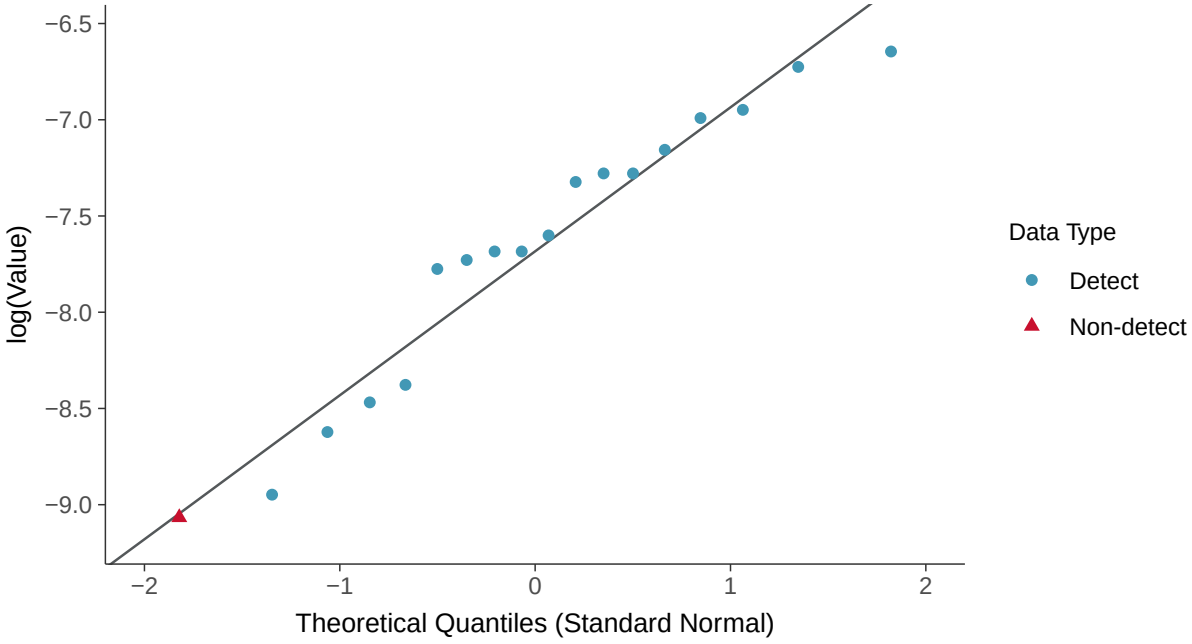
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-19 (mg/L)



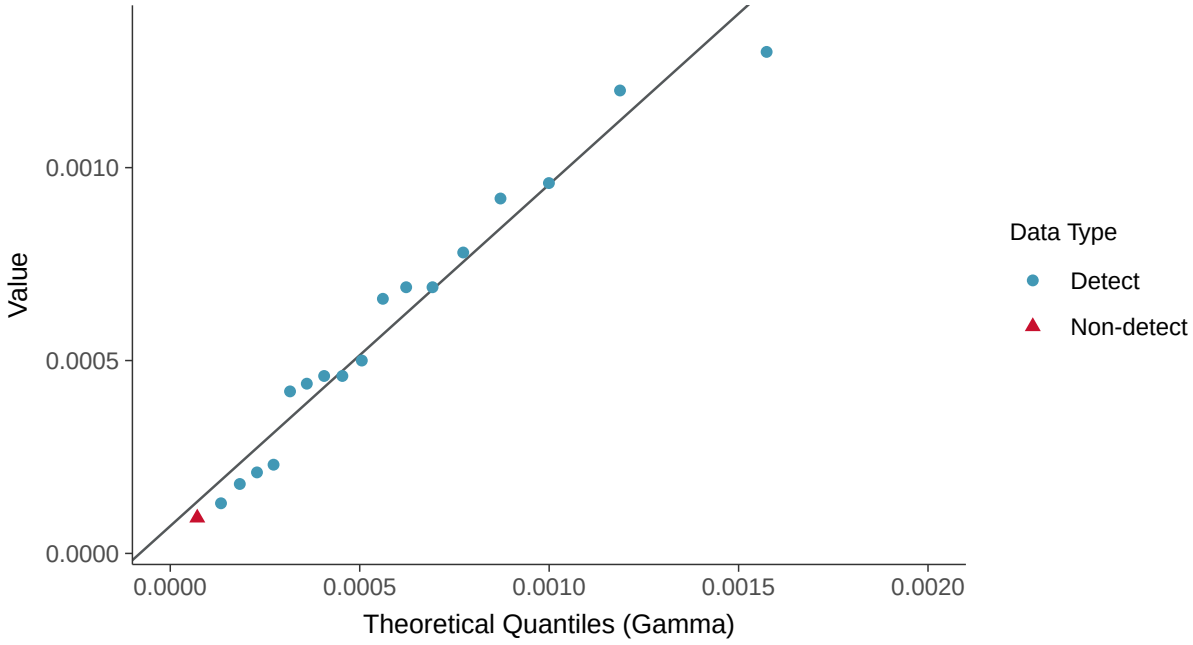
Lognormal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-19 (mg/L)



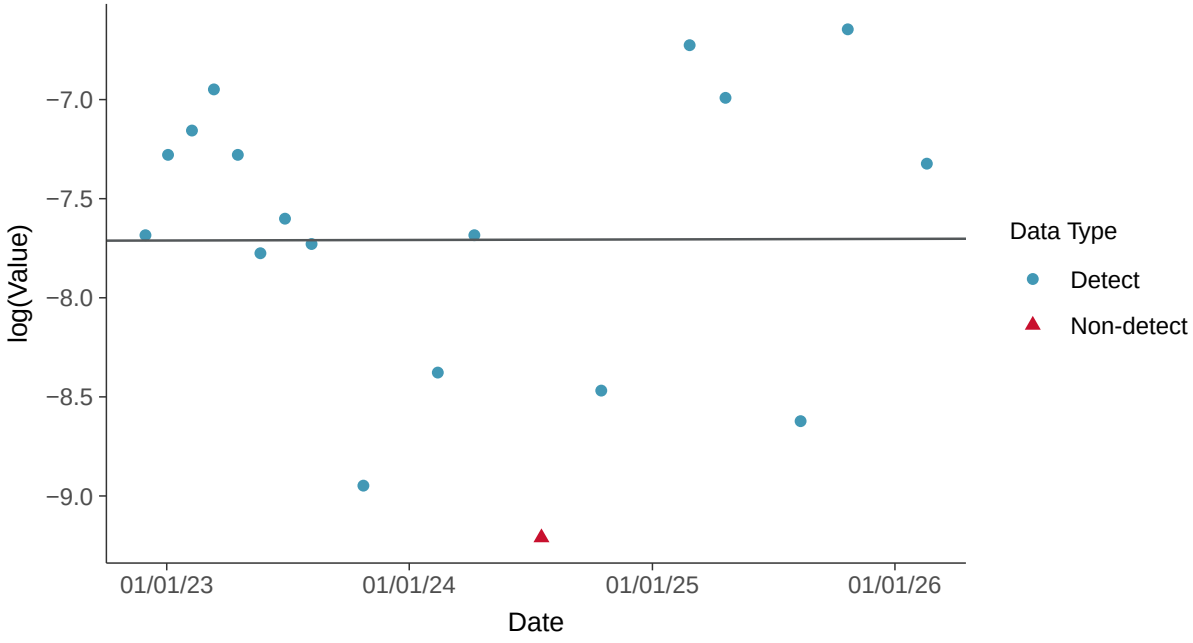
Gamma Q-Q plot using ROS Imputed Estimates

Cobalt, MW-19 (mg/L)



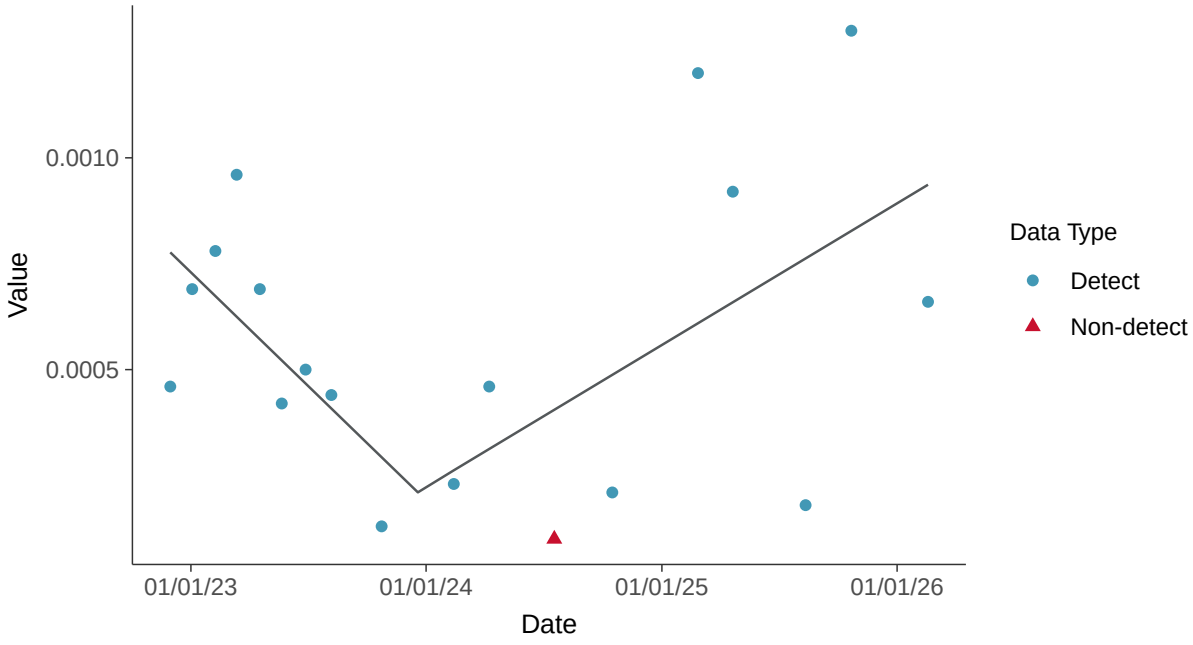
Trend Regression: Lognormal MLE

Cobalt, MW-19 (mg/L)



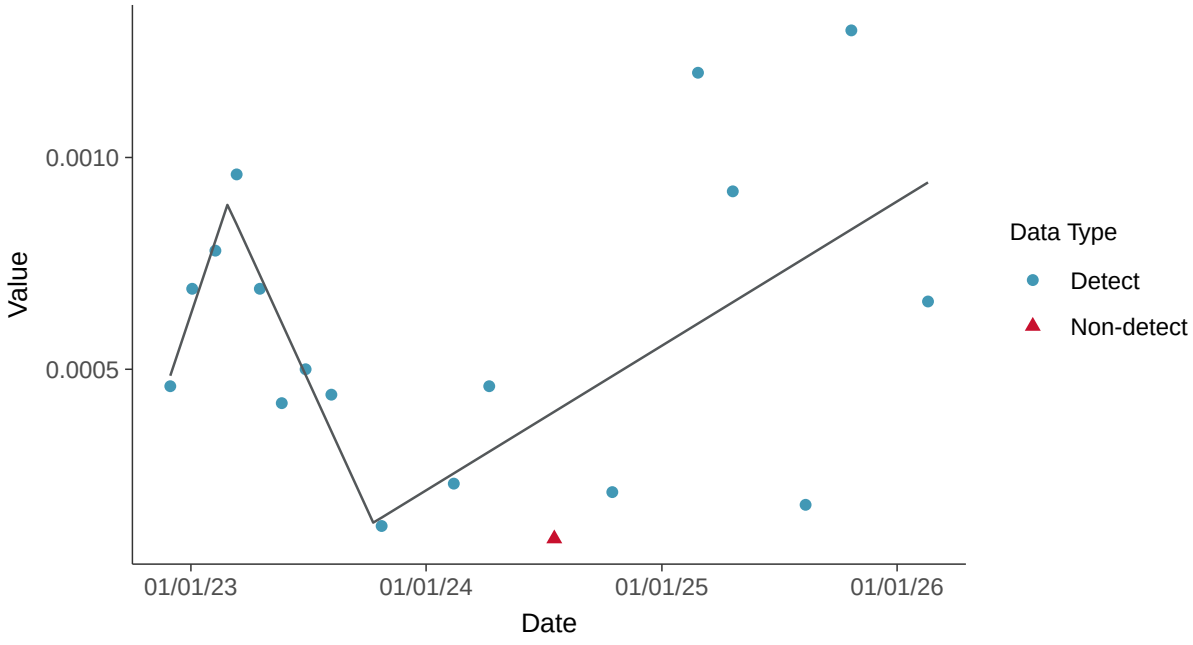
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-19 (mg/L)



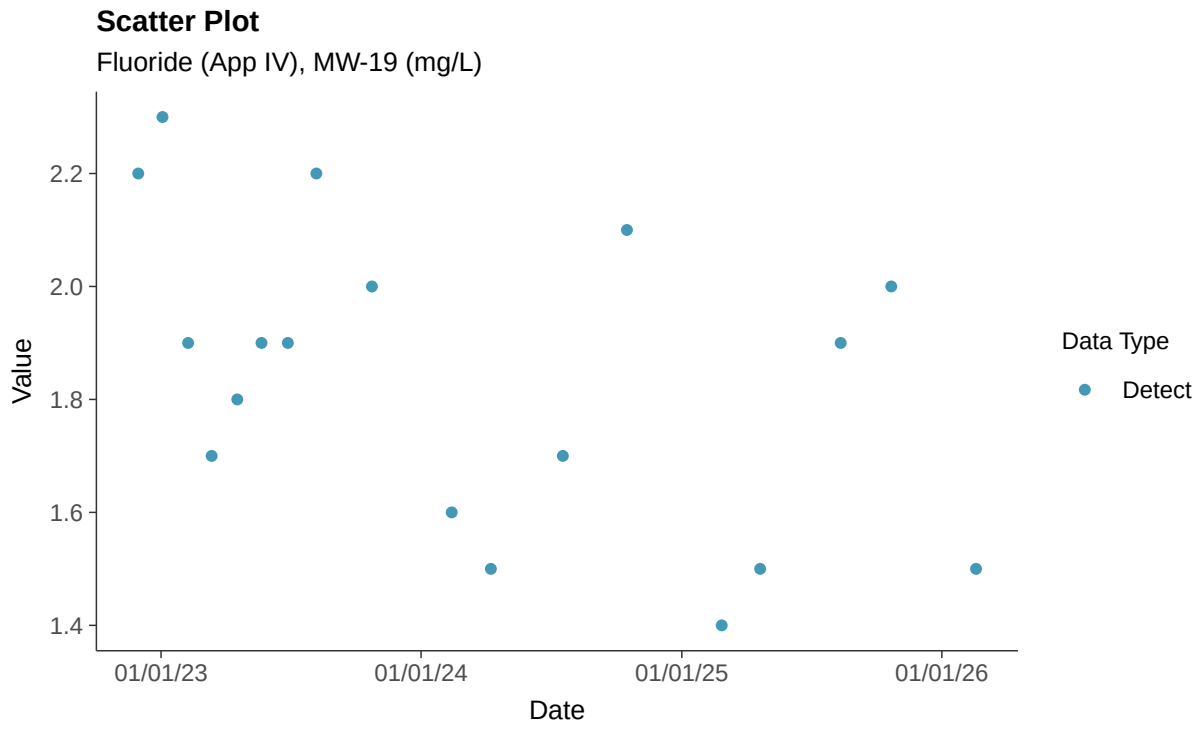
Trend Regression: Piecewise Linear-Linear-Linear

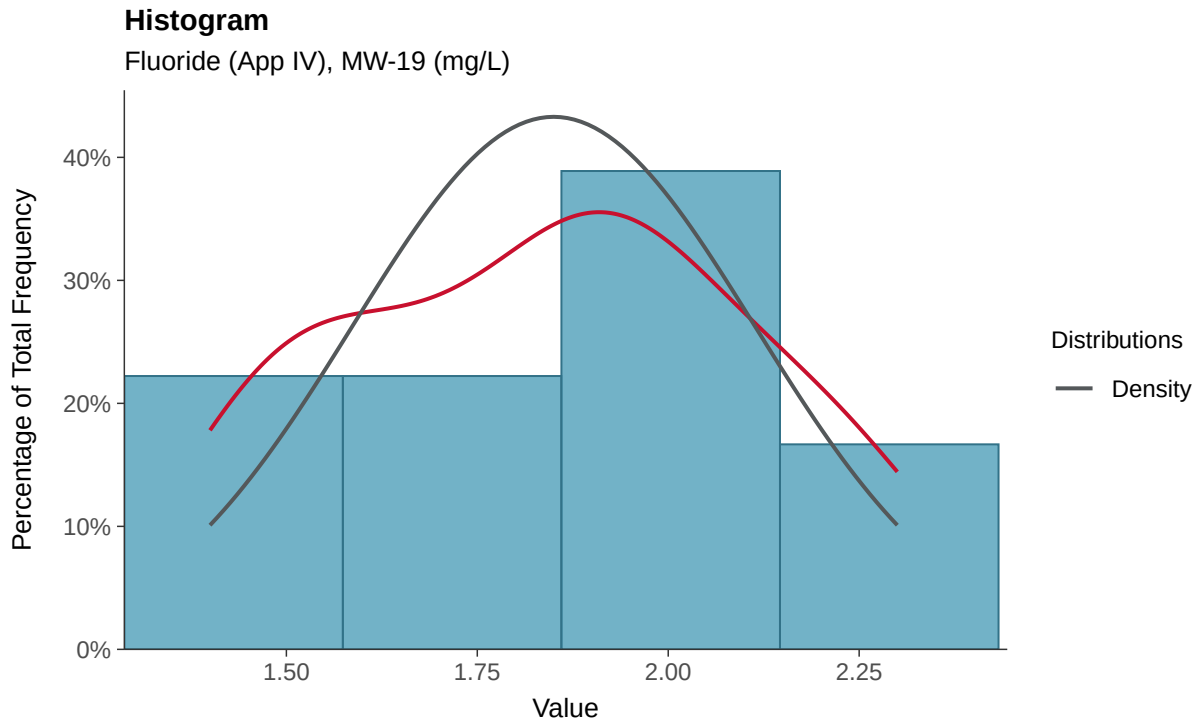
Cobalt, MW-19 (mg/L)



Appendix IV: Fluoride (App IV), MW-19

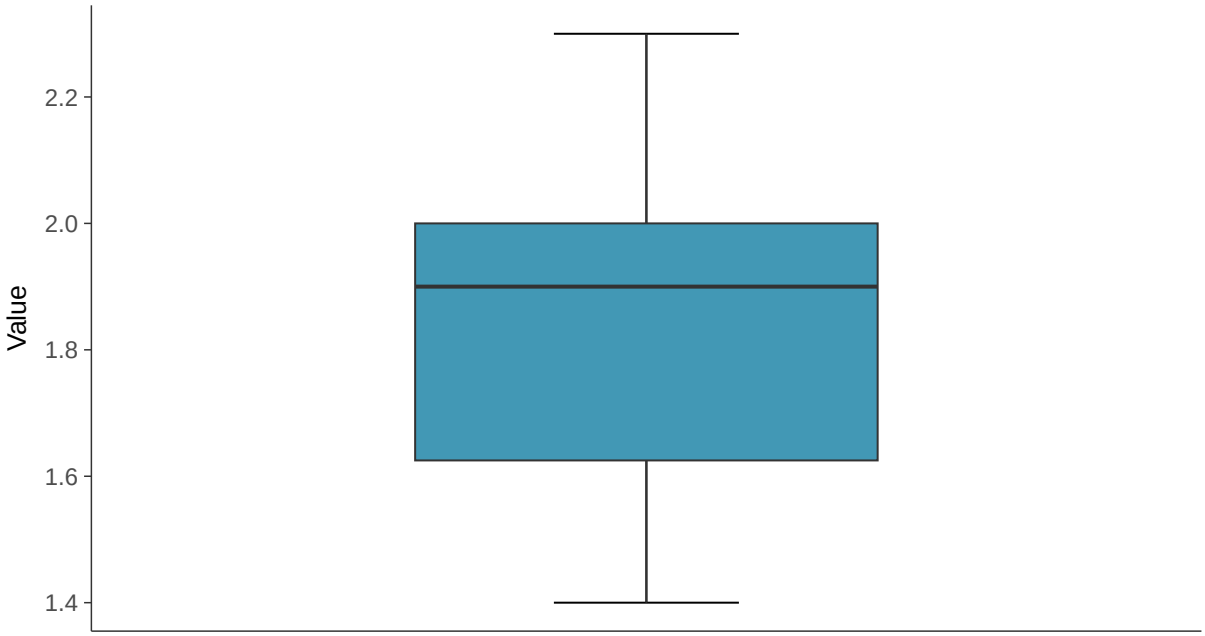
ID: 29_1_4_113





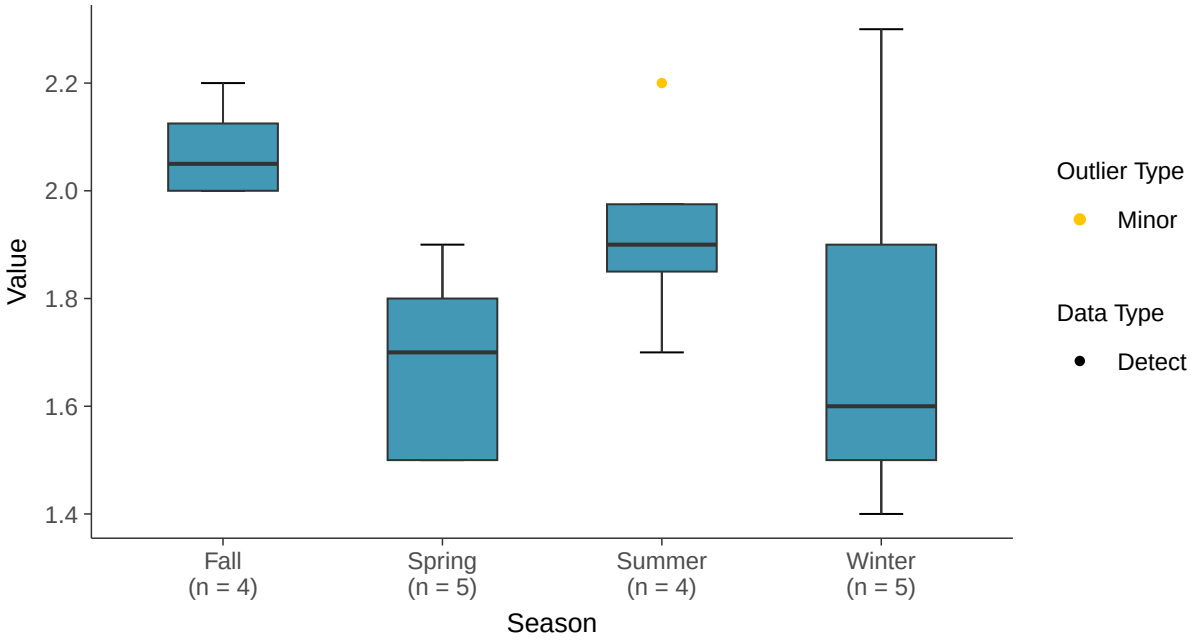
Boxplot

Fluoride (App IV), MW-19 (mg/L)



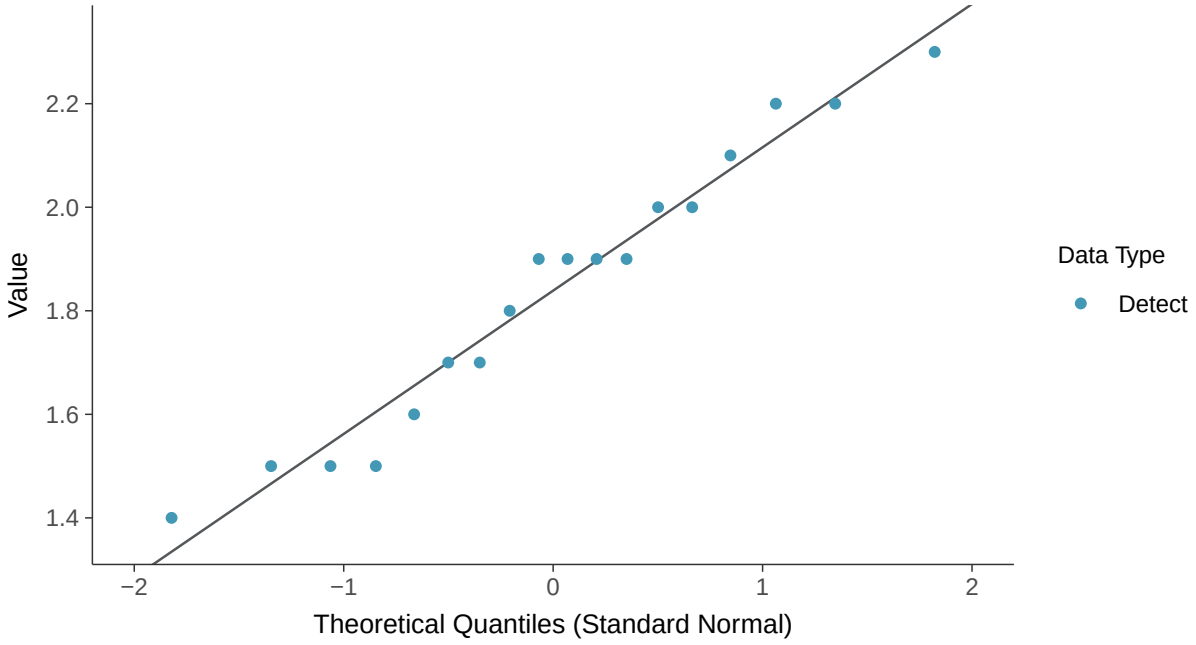
Boxplot by Season

Fluoride (App IV), MW-19 (mg/L)



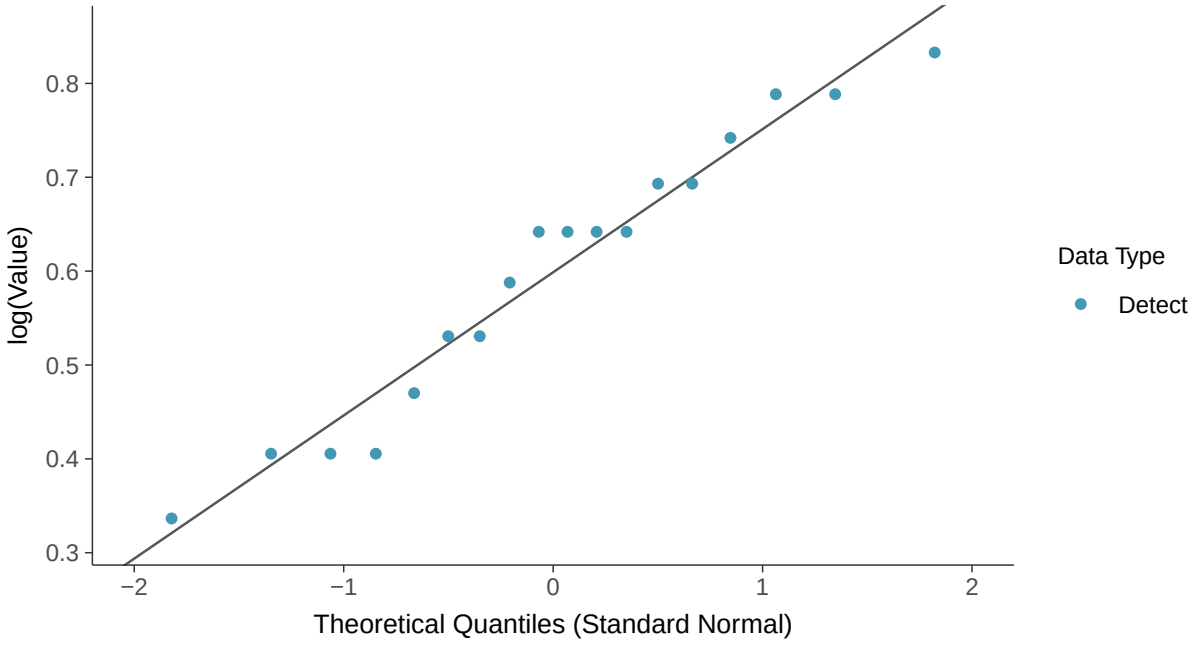
Normal Q-Q plot

Fluoride (App IV), MW-19 (mg/L)



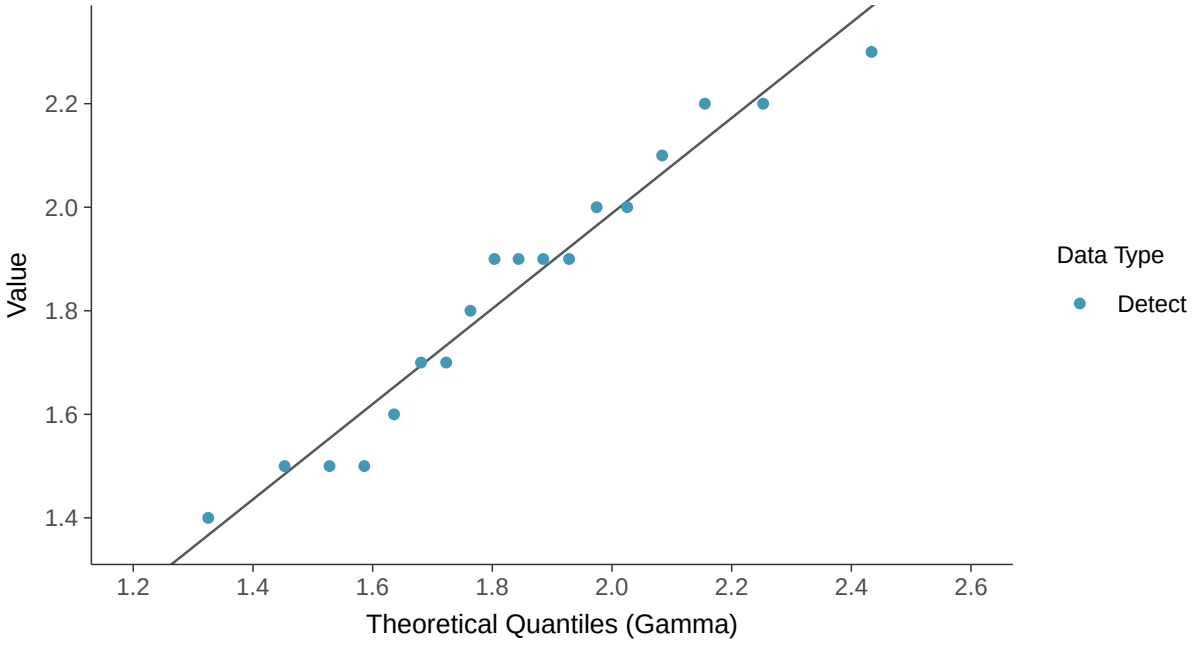
Lognormal Q-Q plot

Fluoride (App IV), MW-19 (mg/L)



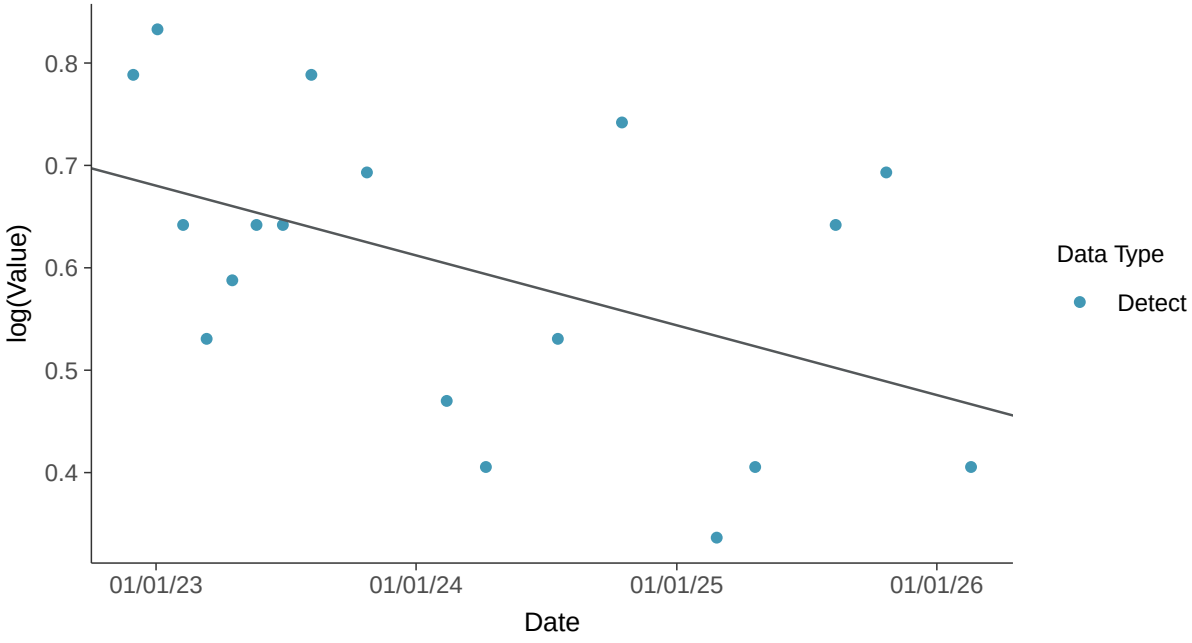
Gamma Q-Q plot

Fluoride (App IV), MW-19 (mg/L)



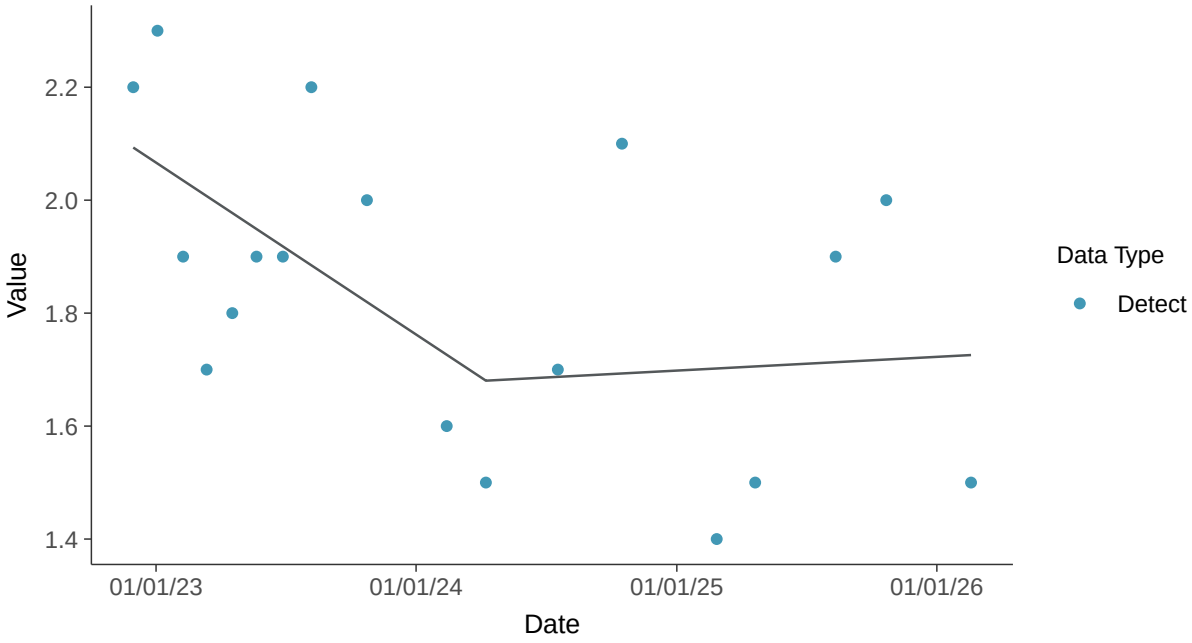
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-19 (mg/L)



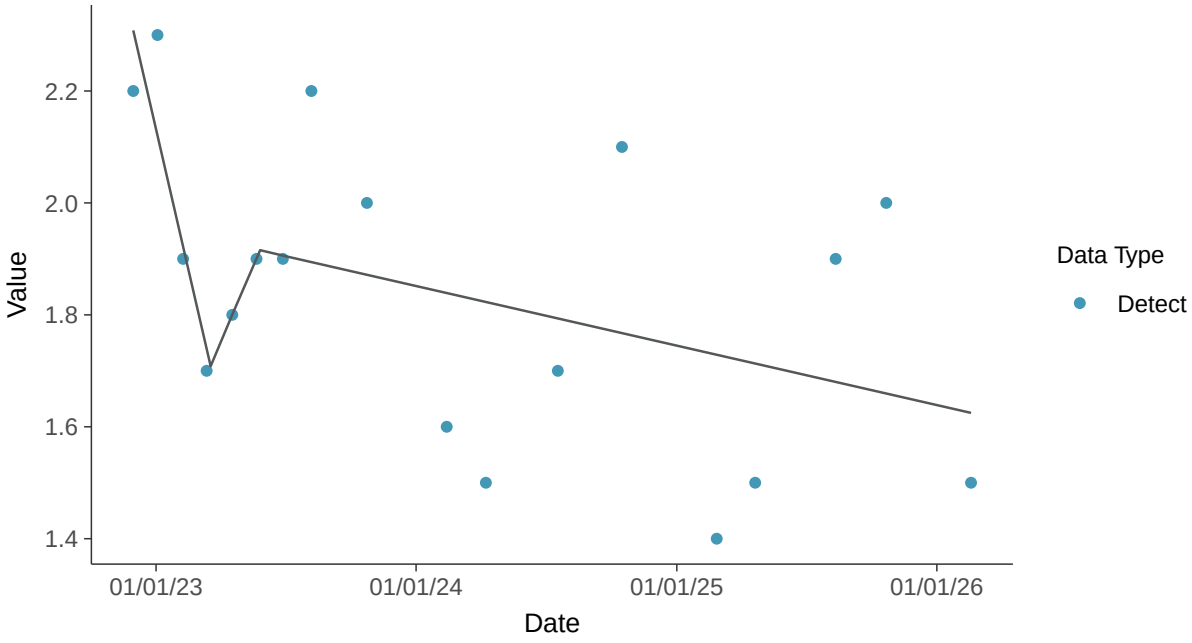
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-19 (mg/L)



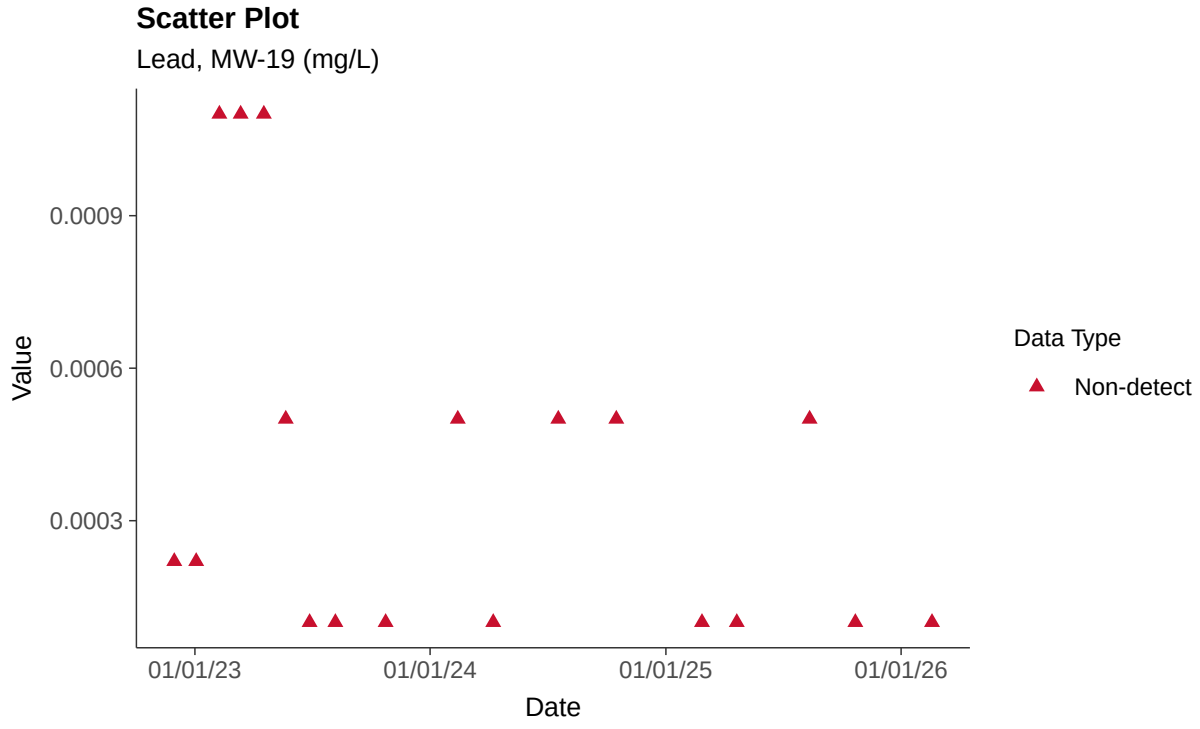
Trend Regression: Piecewise Linear-Linear-Linear

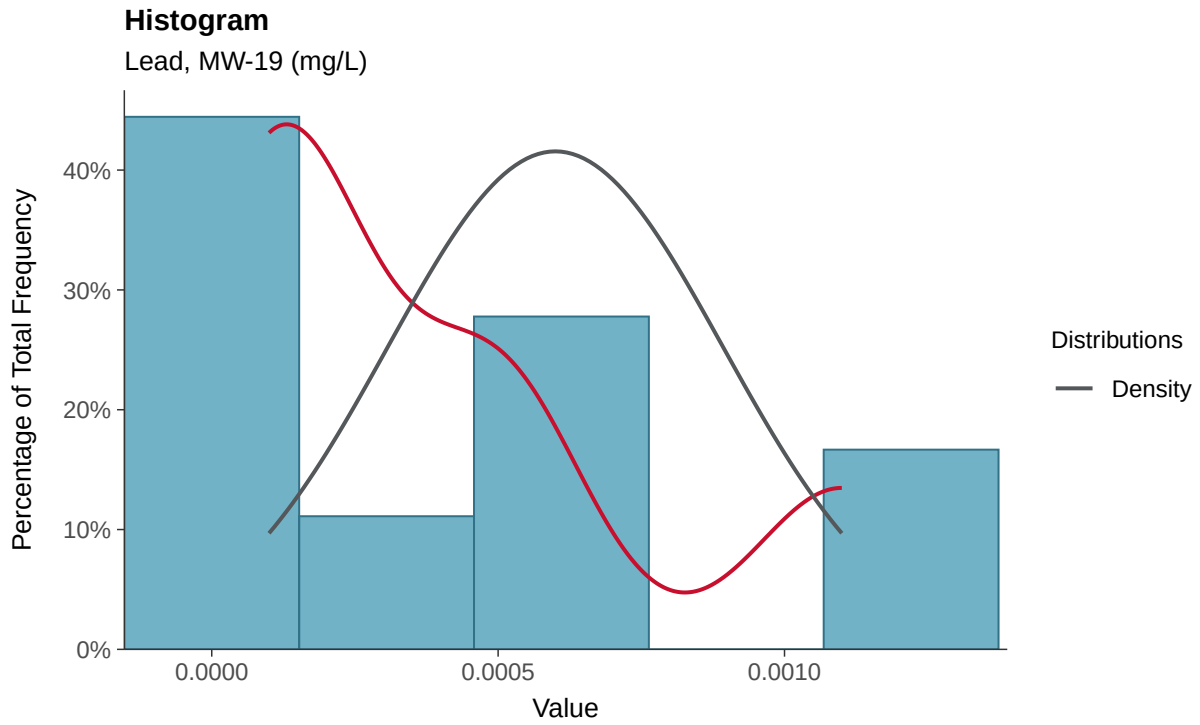
Fluoride (App IV), MW-19 (mg/L)



Appendix IV: Lead, MW-19

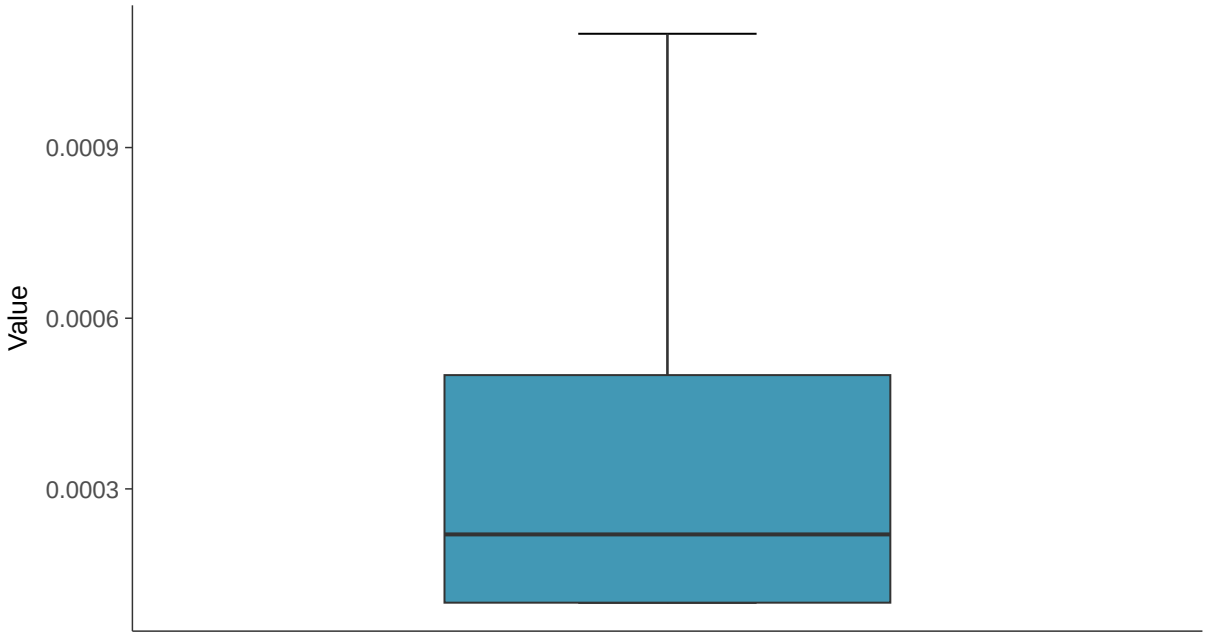
ID: 29_1_4_115





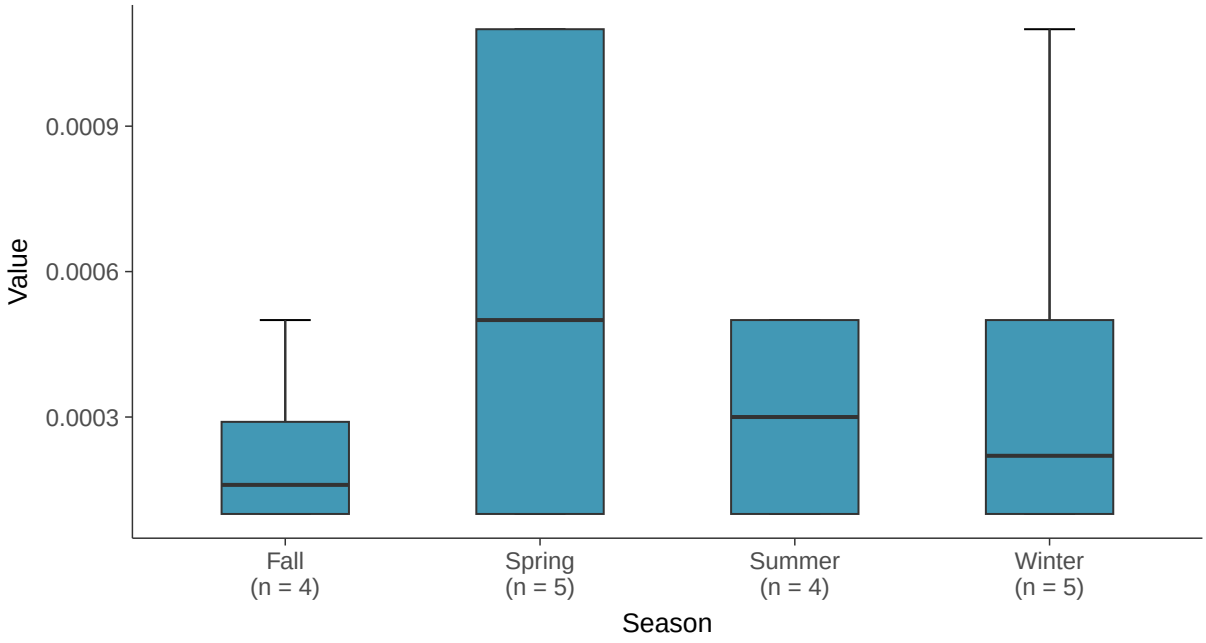
Boxplot

Lead, MW-19 (mg/L)



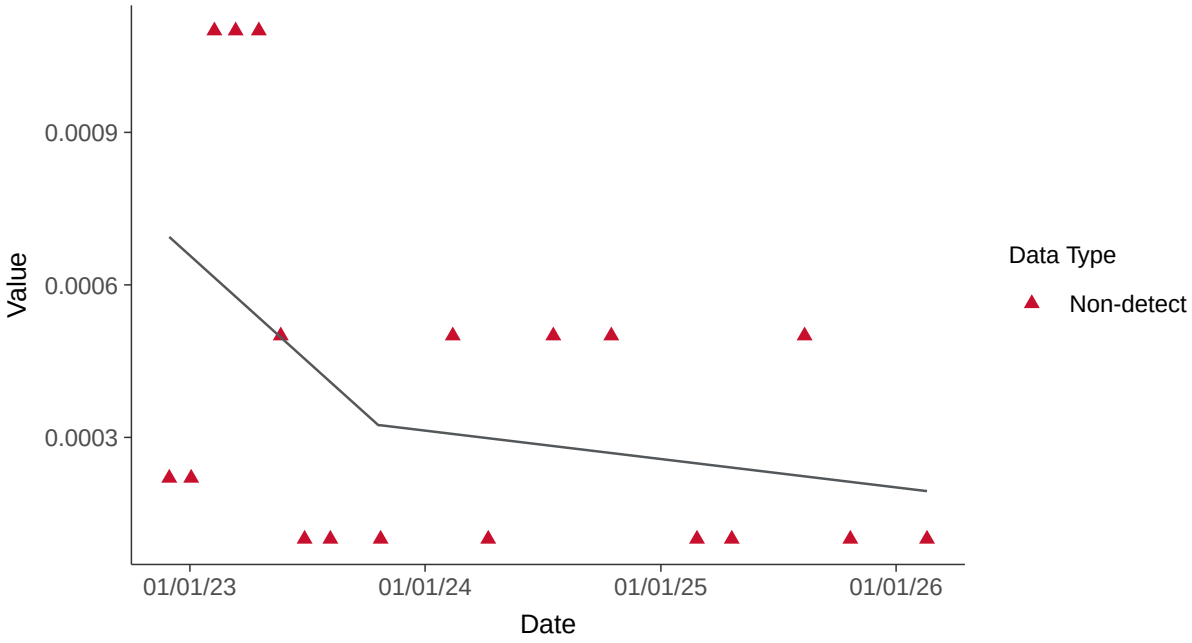
Boxplot by Season

Lead, MW-19 (mg/L)



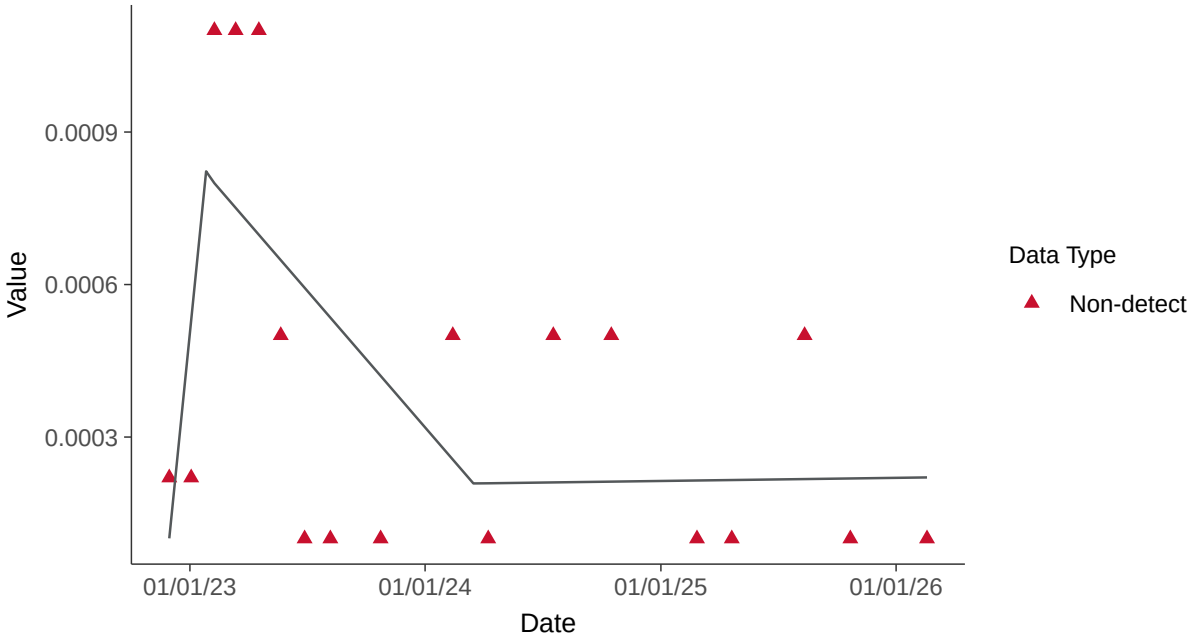
Trend Regression: Piecewise Linear-Linear

Lead, MW-19 (mg/L)



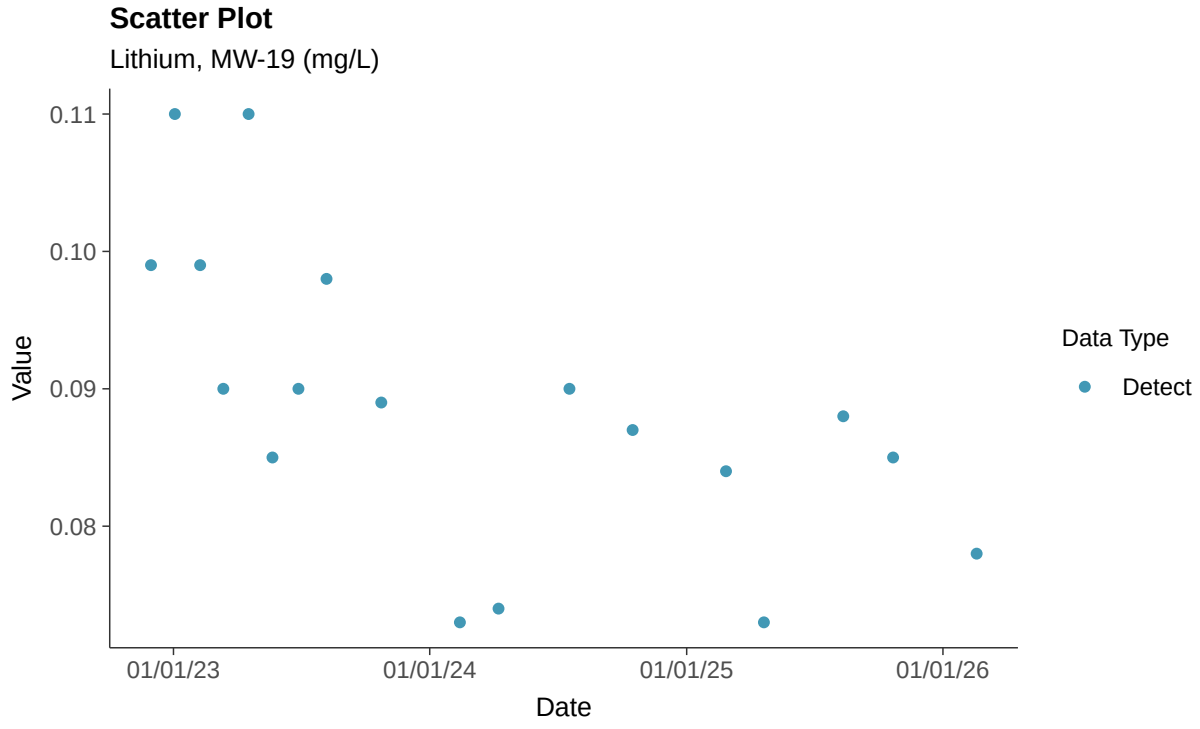
Trend Regression: Piecewise Linear-Linear-Linear

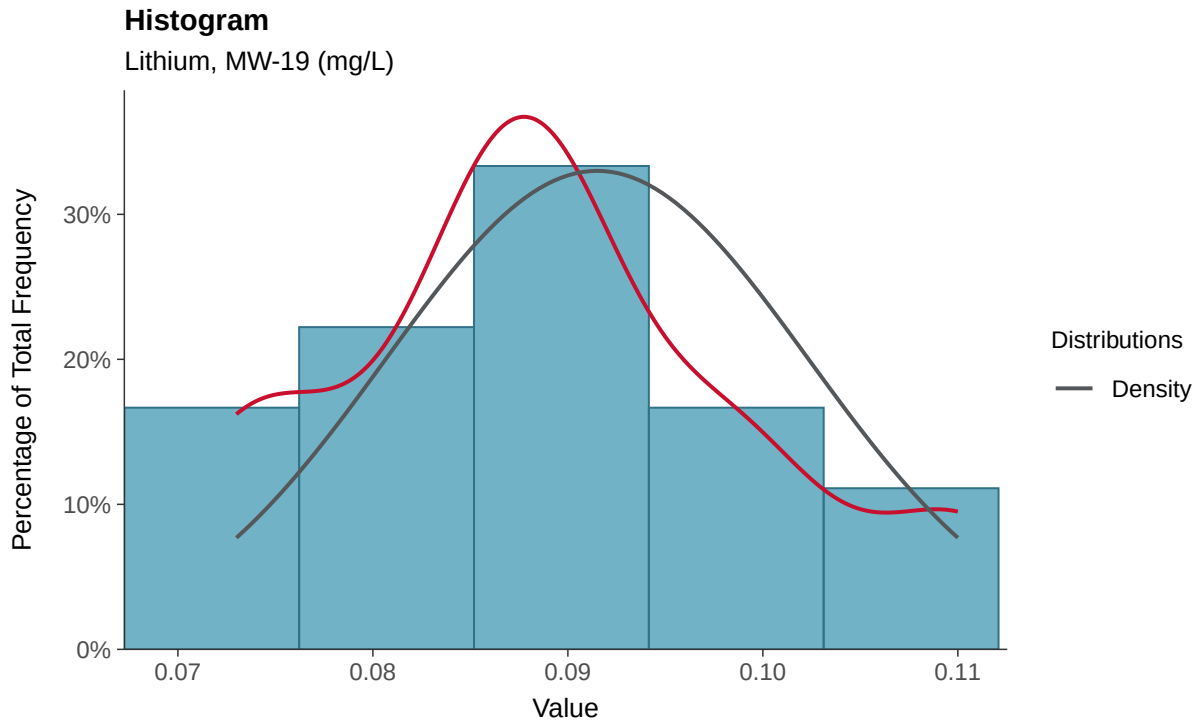
Lead, MW-19 (mg/L)



Appendix IV: Lithium, MW-19

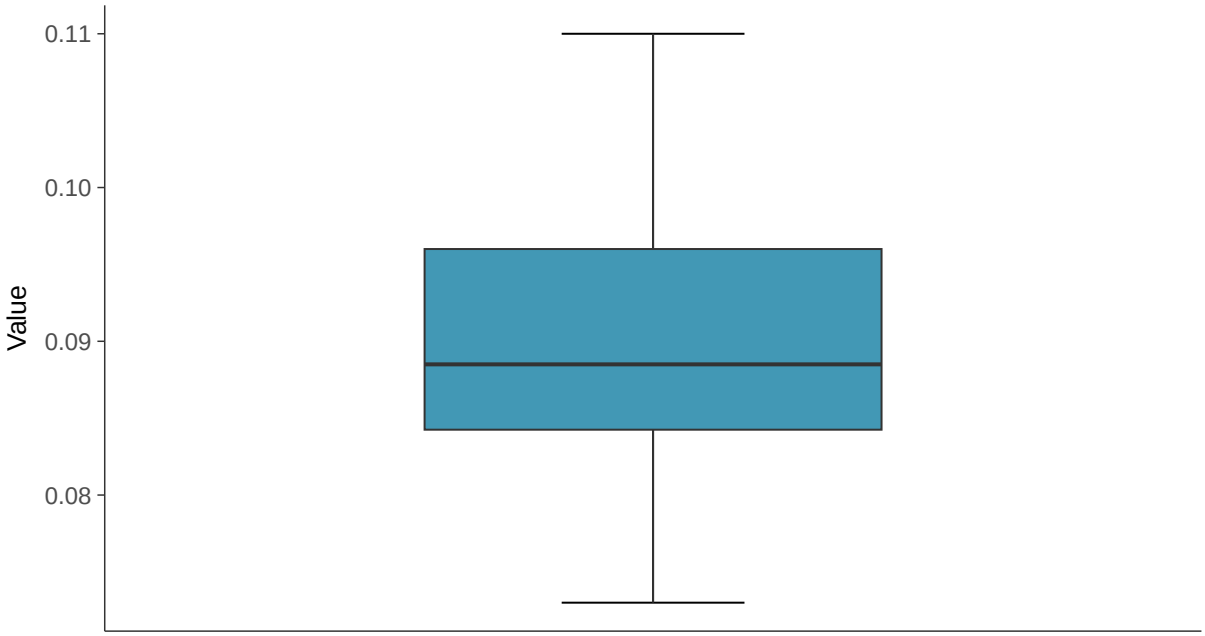
ID: 29_1_4_116





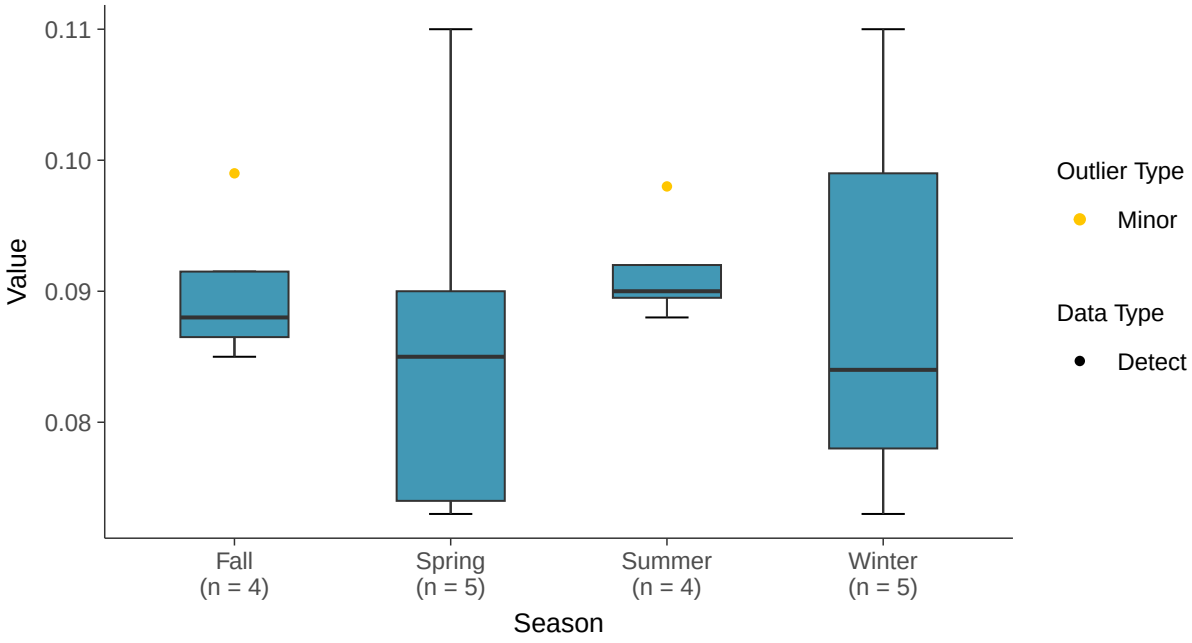
Boxplot

Lithium, MW-19 (mg/L)



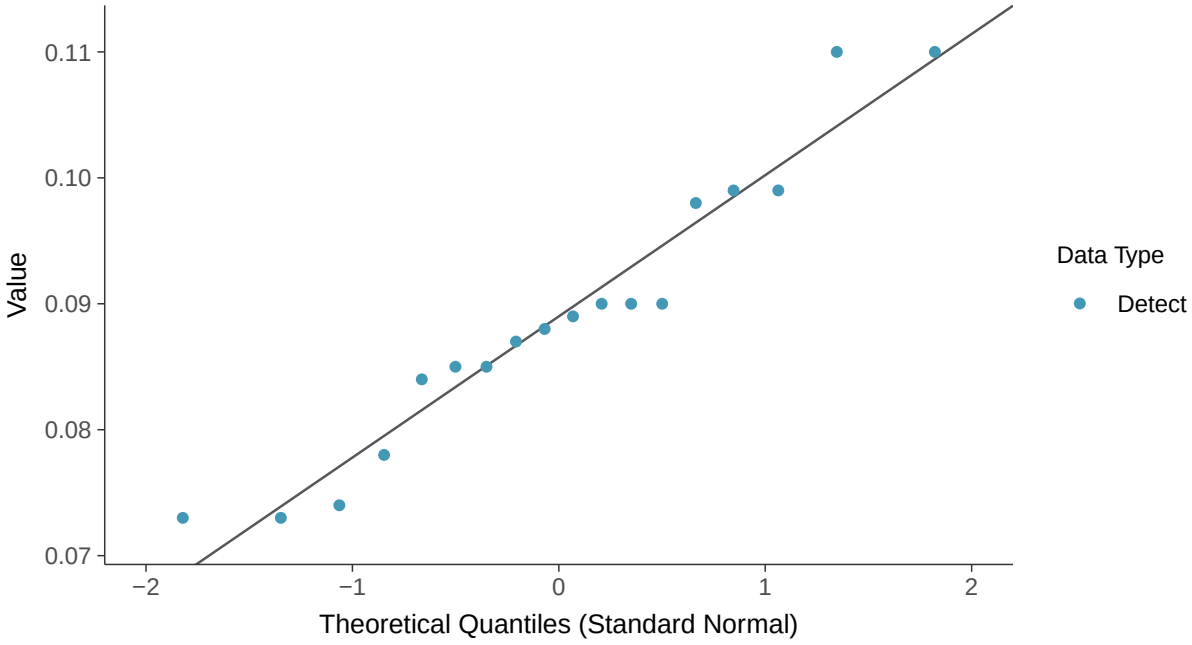
Boxplot by Season

Lithium, MW-19 (mg/L)



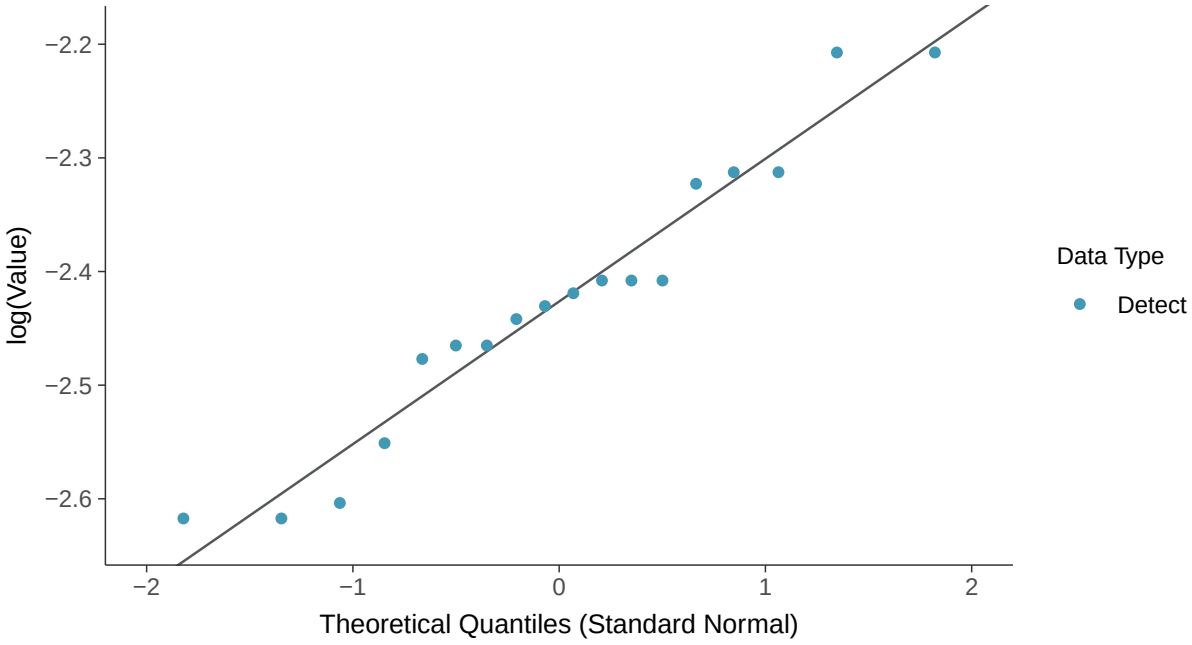
Normal Q-Q plot

Lithium, MW-19 (mg/L)



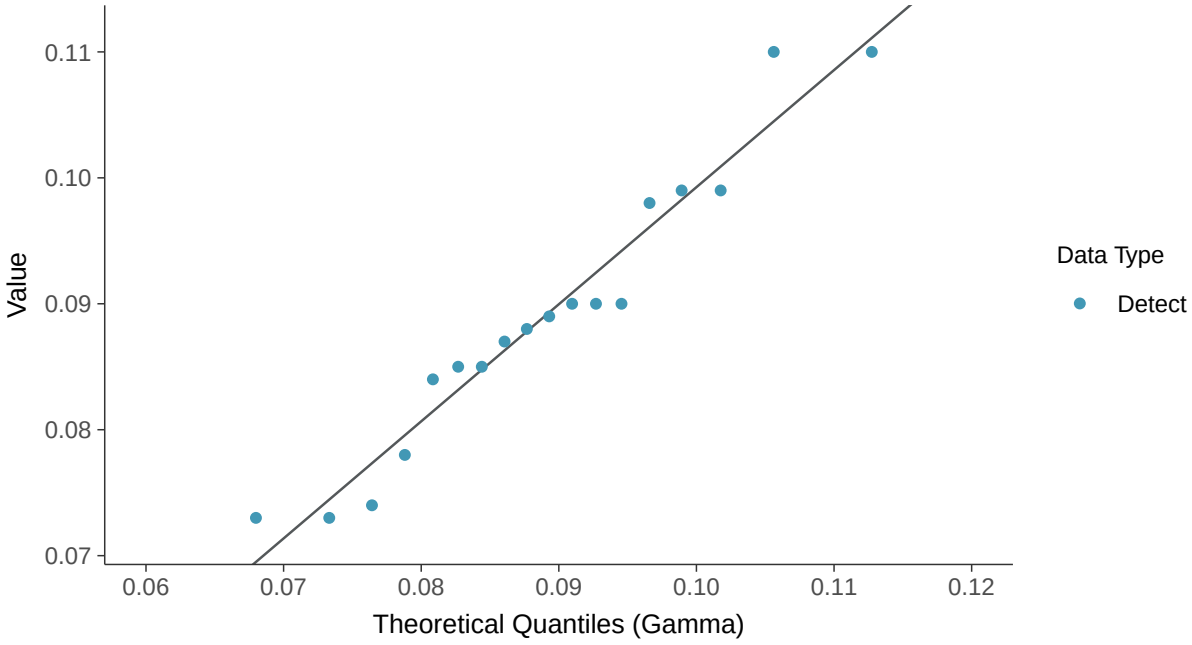
Lognormal Q-Q plot

Lithium, MW-19 (mg/L)



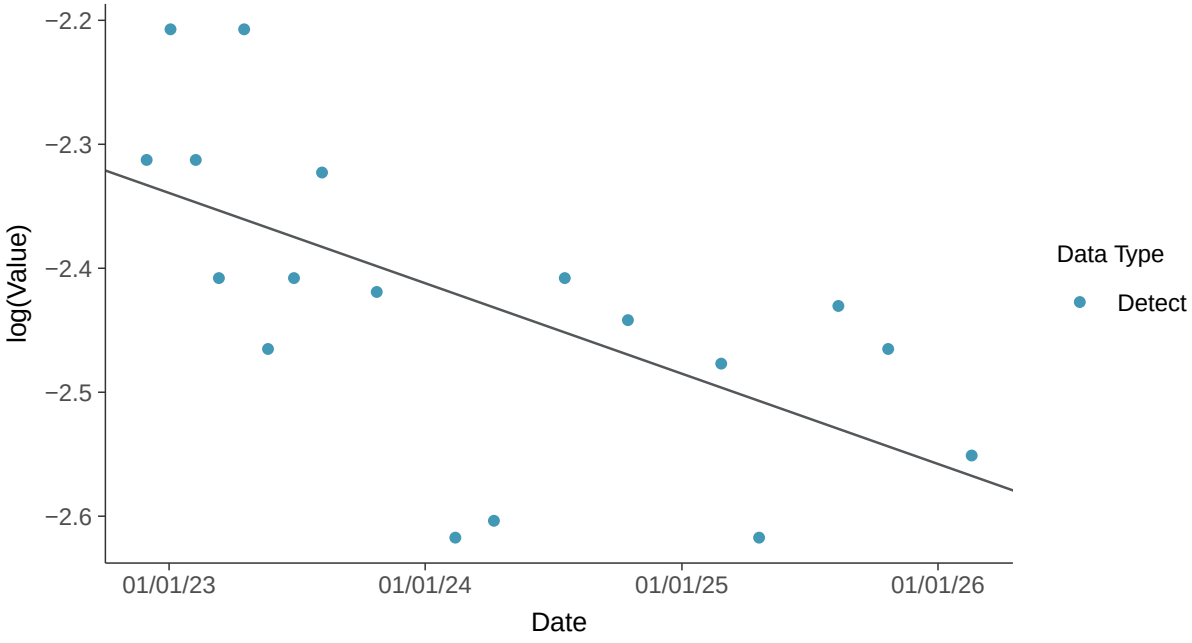
Gamma Q-Q plot

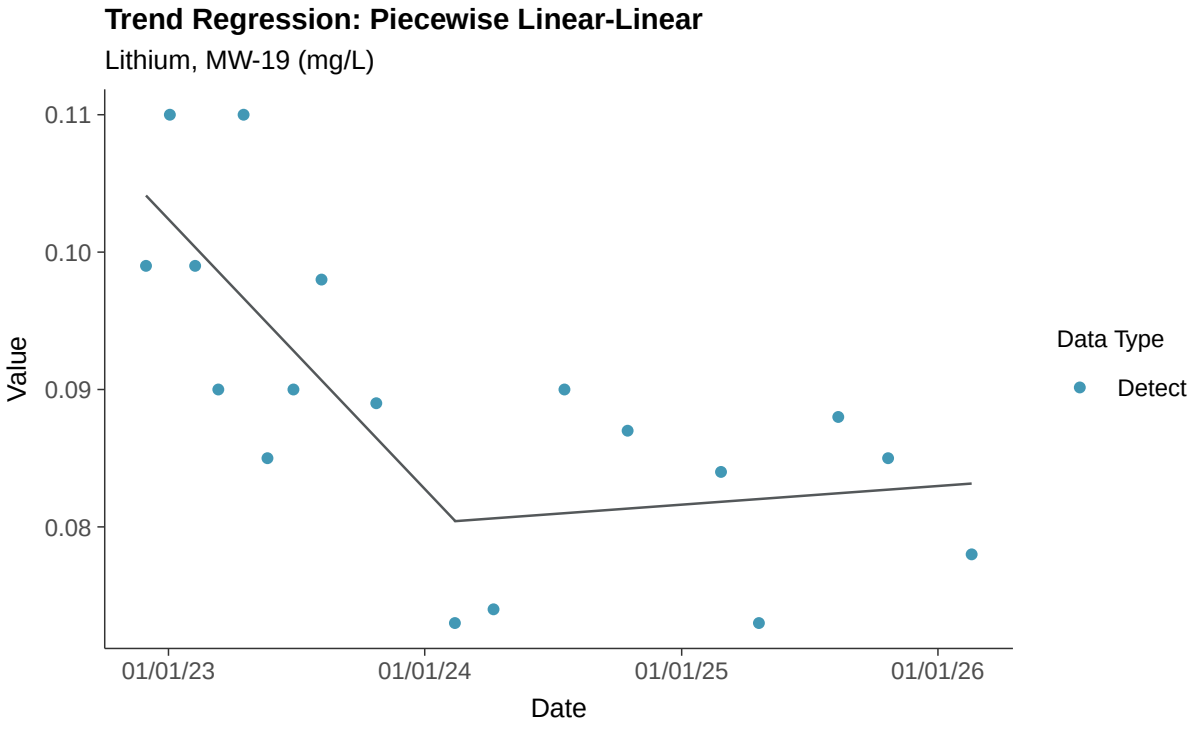
Lithium, MW-19 (mg/L)



Trend Regression: Lognormal MLE

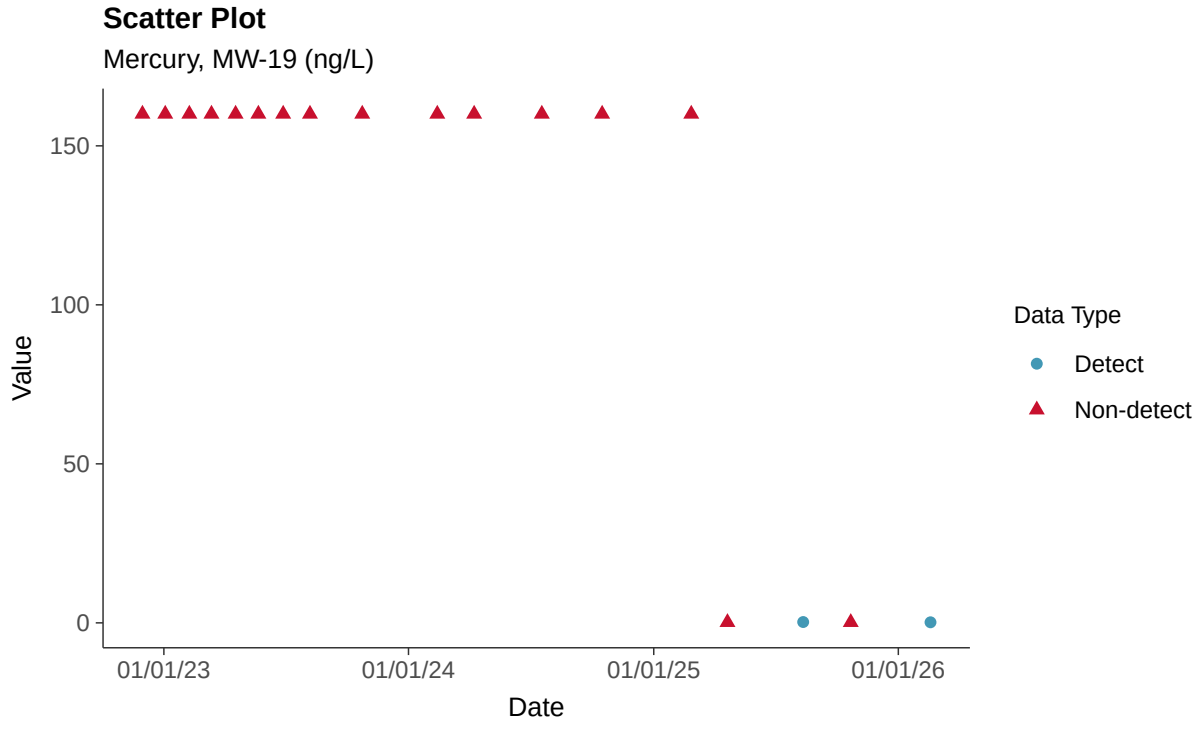
Lithium, MW-19 (mg/L)

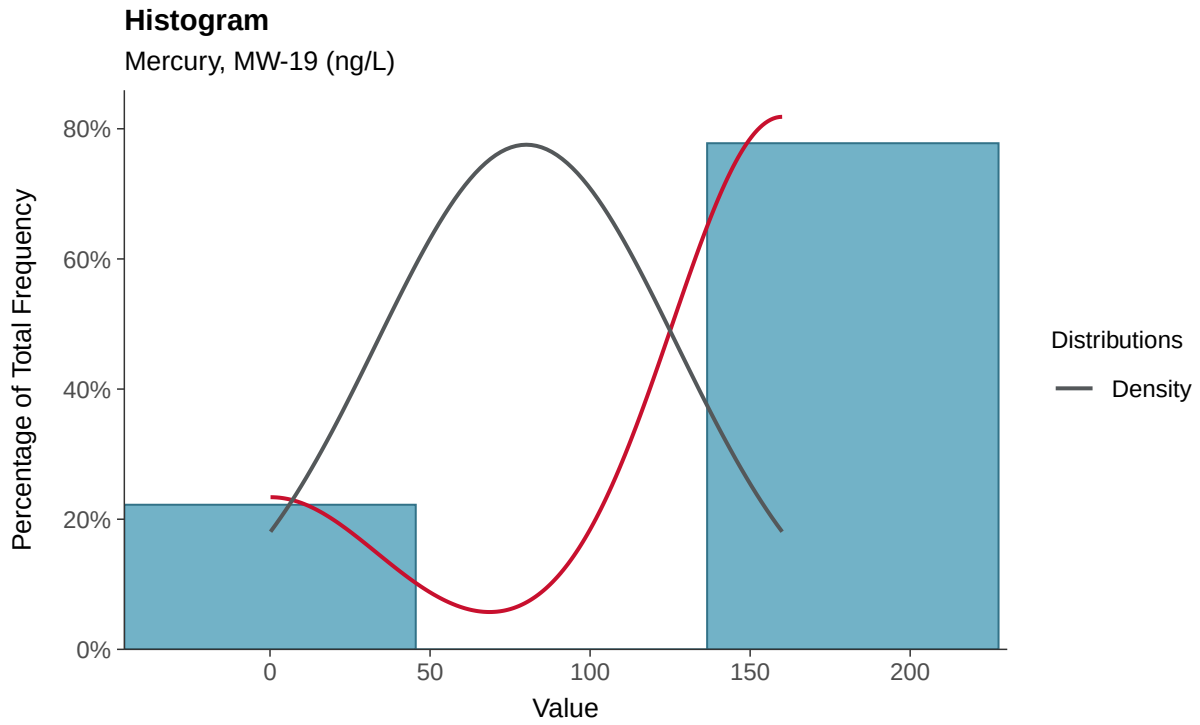



Trend Regression: Piecewise Linear-Linear
Lithium, MW-19 (mg/L)
0.11
0.10
0.09
0.08
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Mercury, MW-19

ID: 29_1_4_117



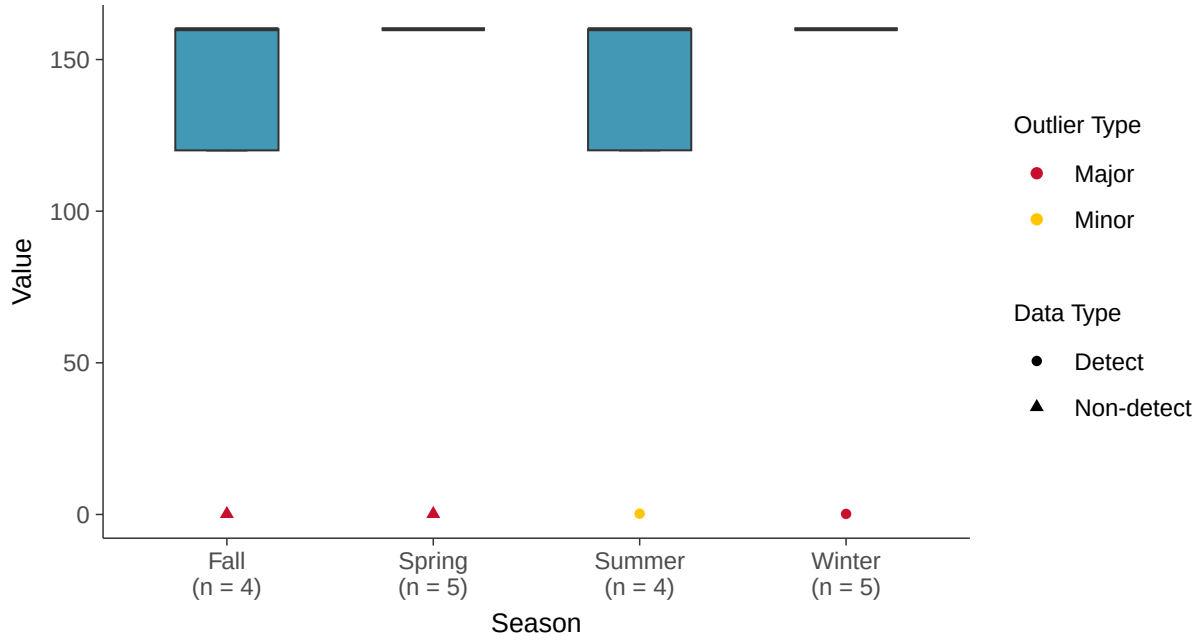


Boxplot

Mercury, MW-19 (ng/L)

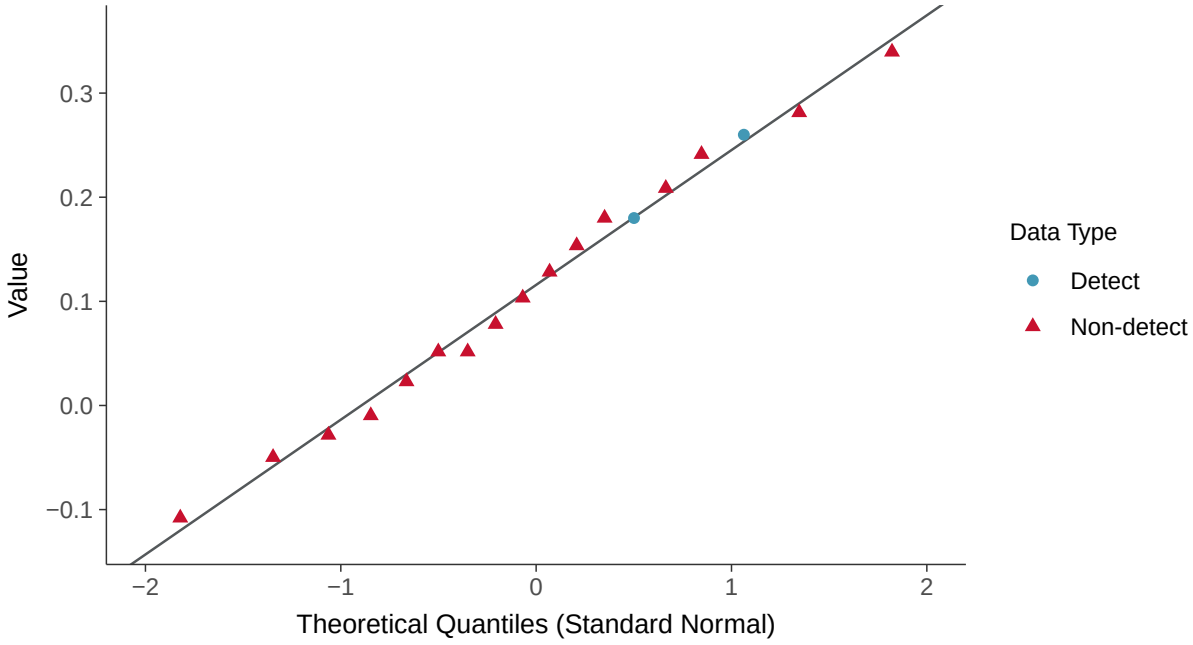
Boxplot by Season

Mercury, MW-19 (ng/L)



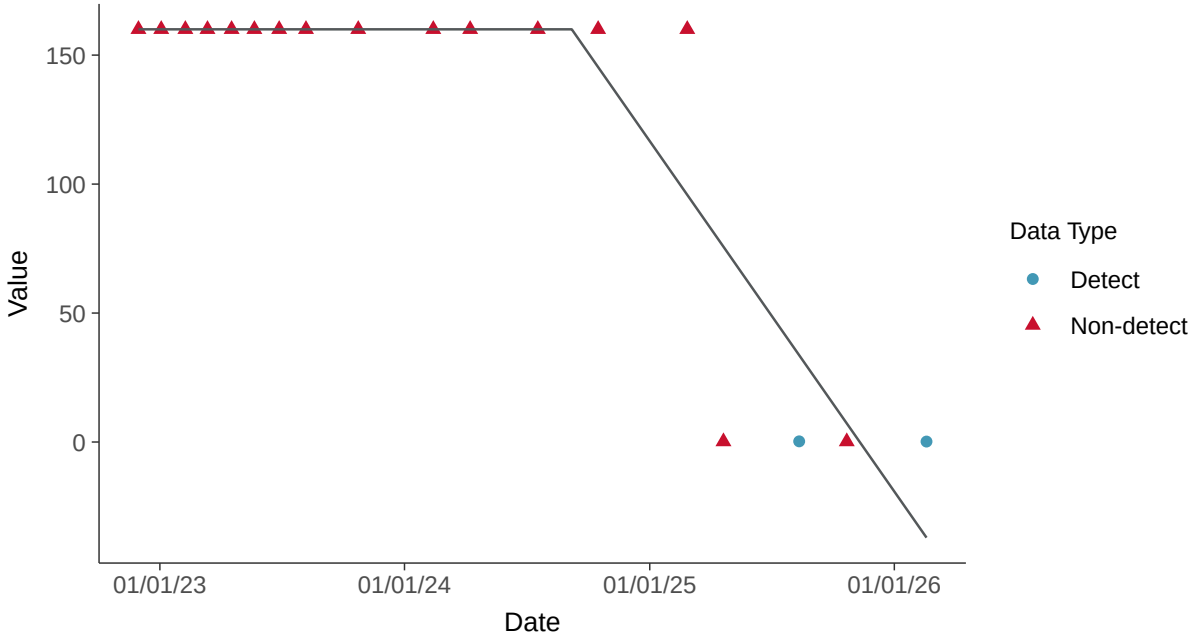
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-19 (ng/L)



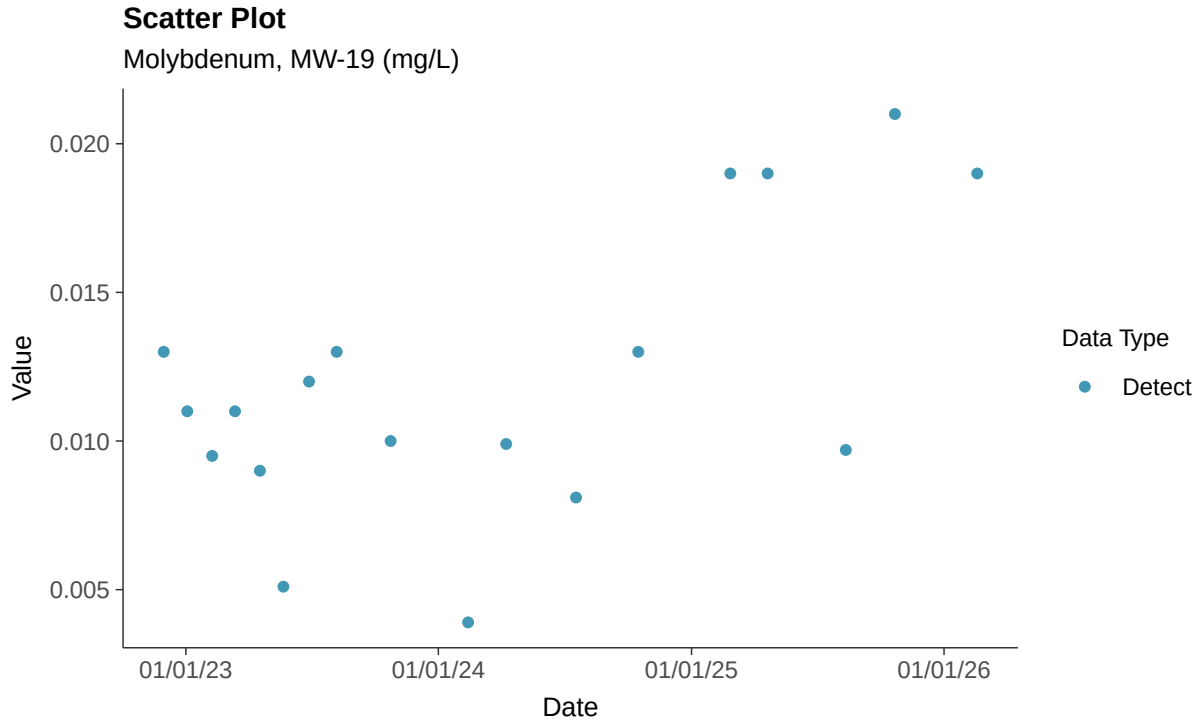
Trend Regression: Piecewise Linear-Linear

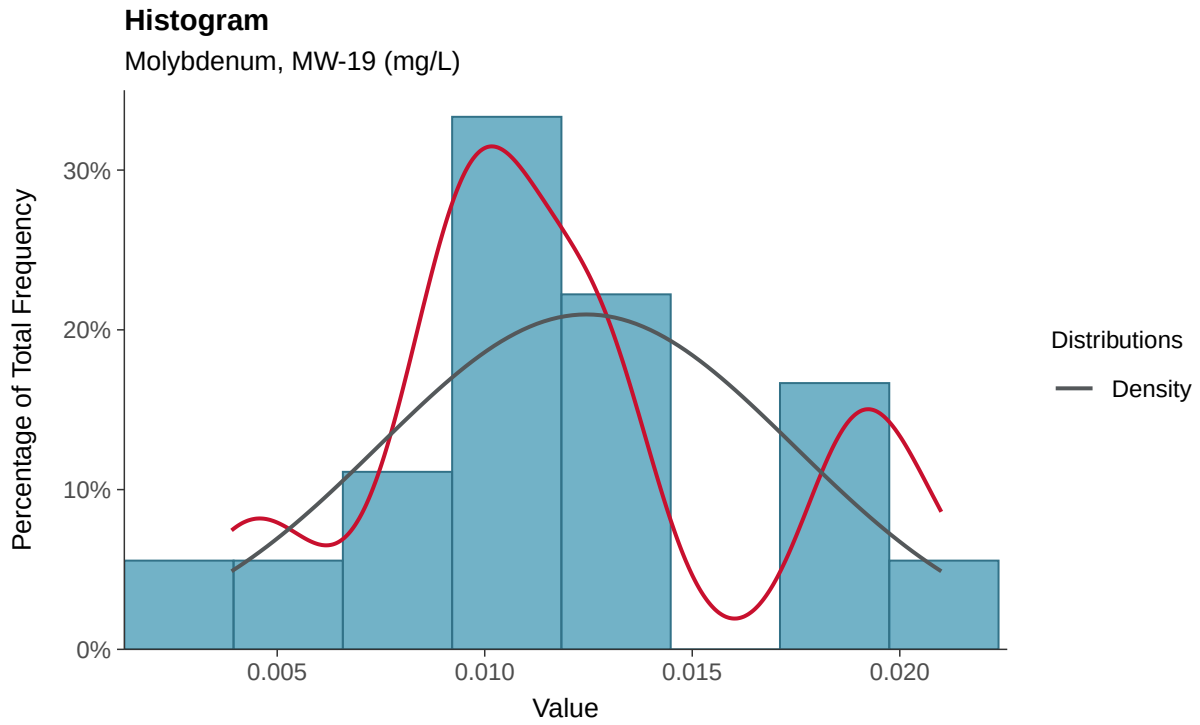
Mercury, MW-19 (ng/L)



Appendix IV: Molybdenum, MW-19

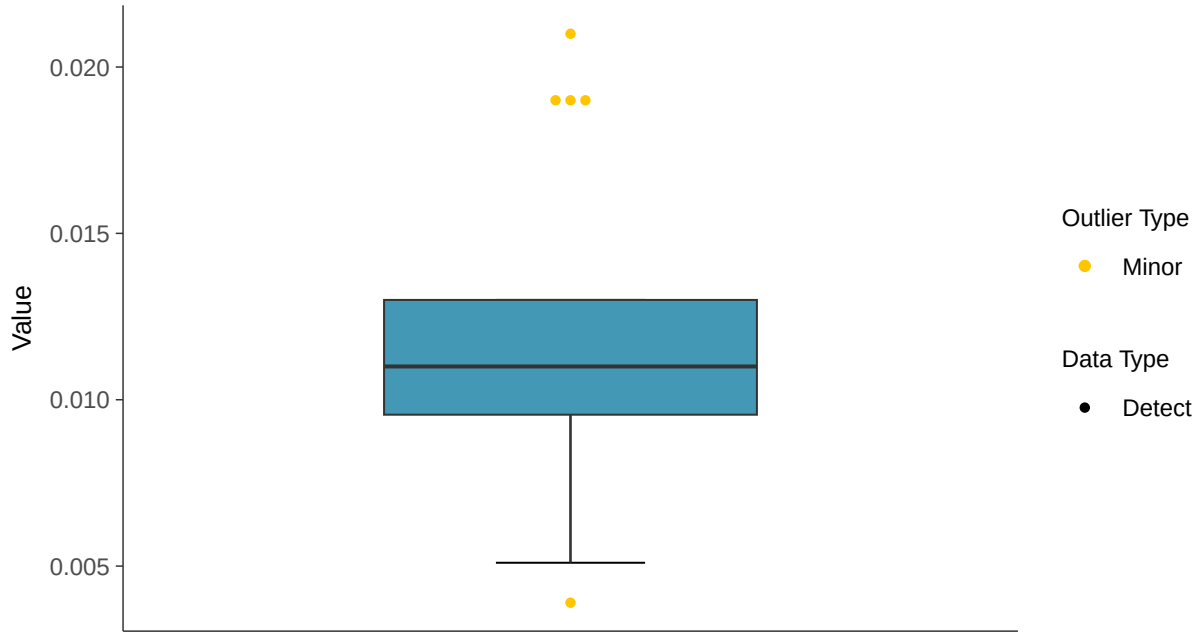
ID: 29_1_4_118





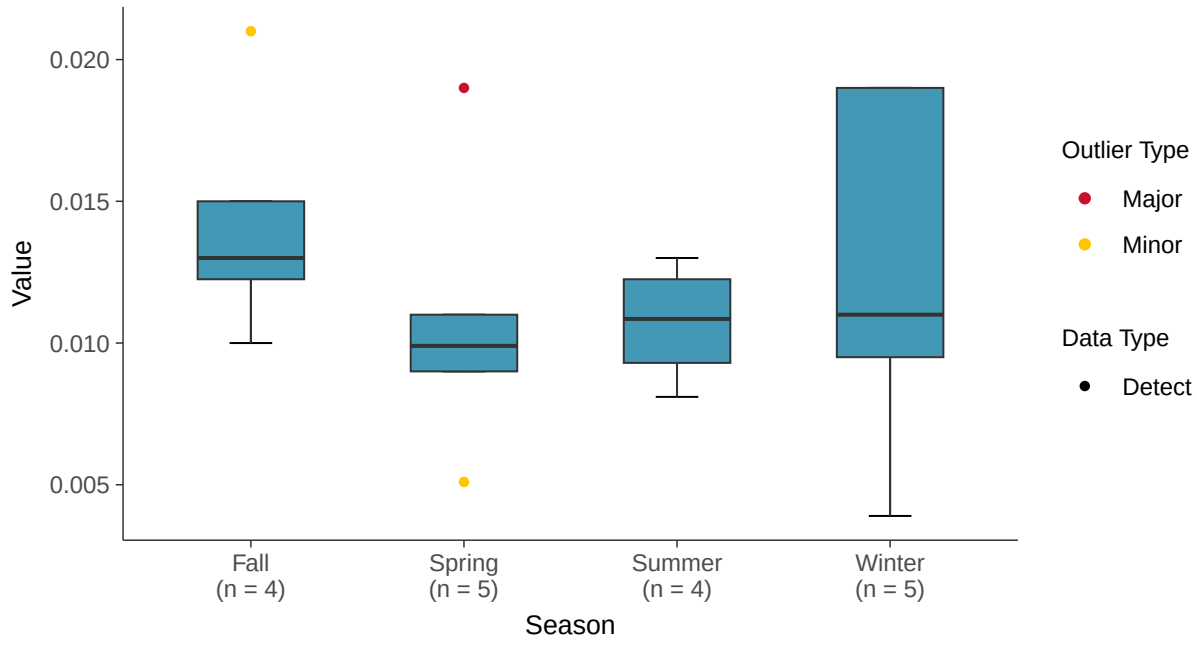
Boxplot

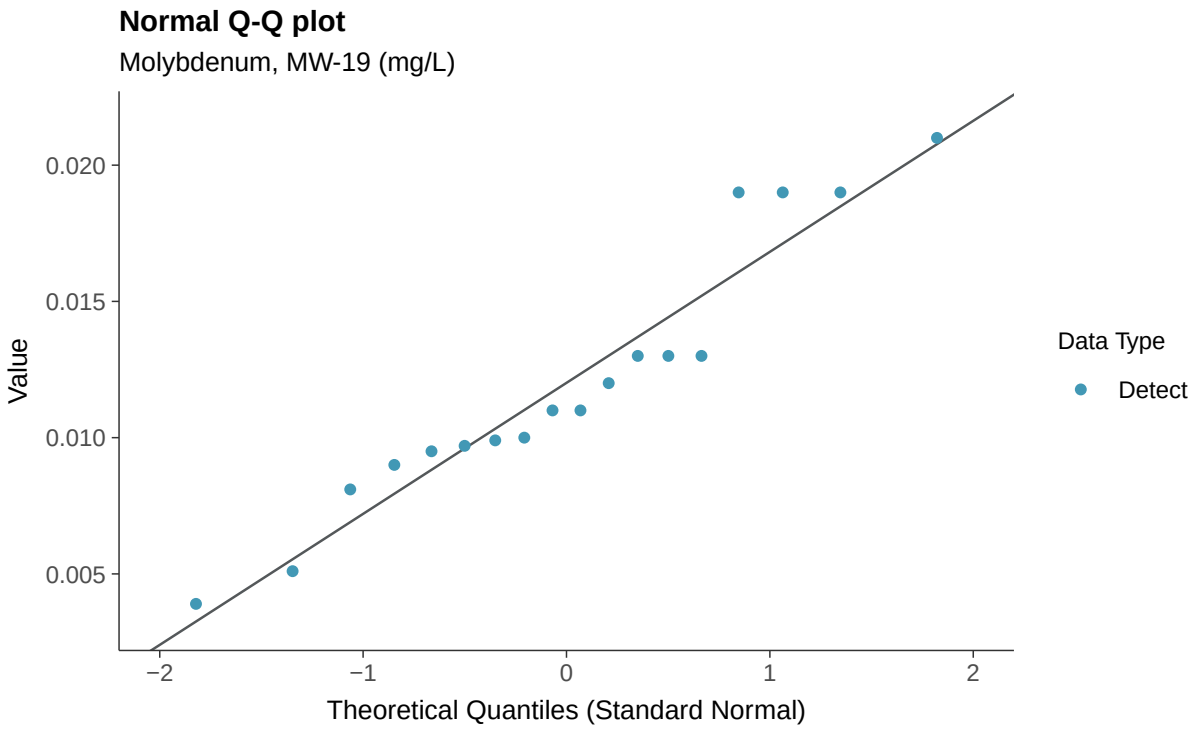
Molybdenum, MW-19 (mg/L)

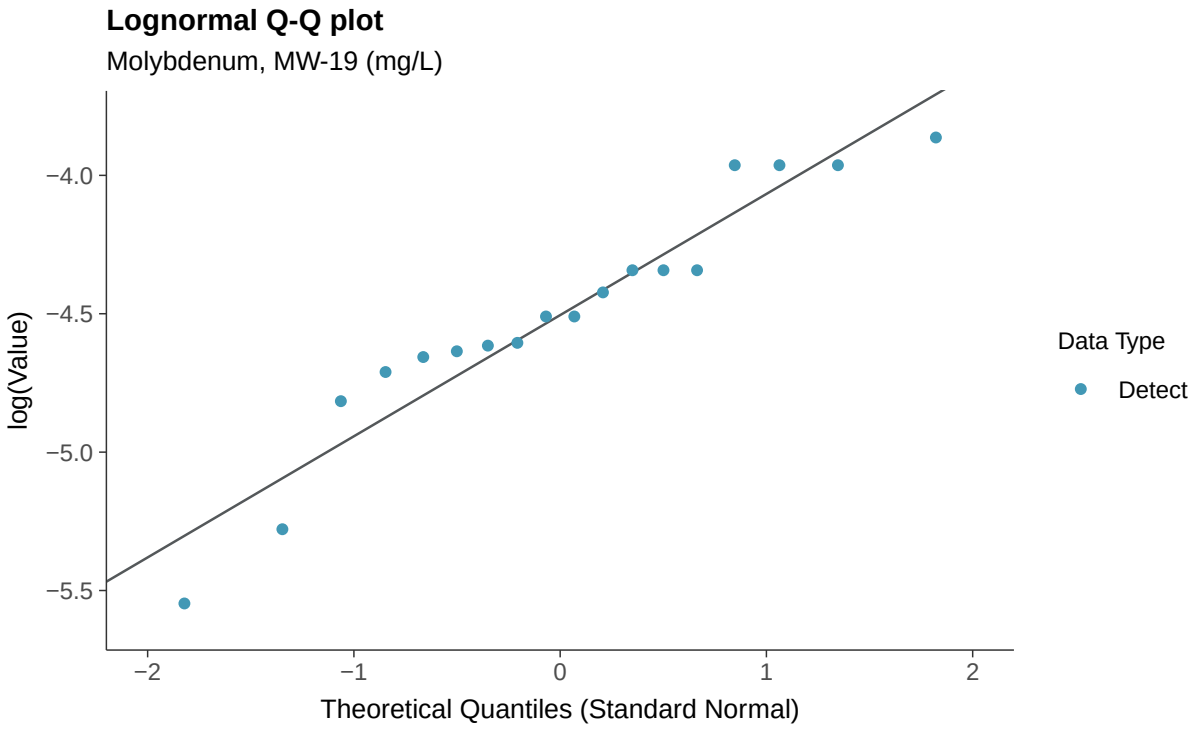


Boxplot by Season

Molybdenum, MW-19 (mg/L)

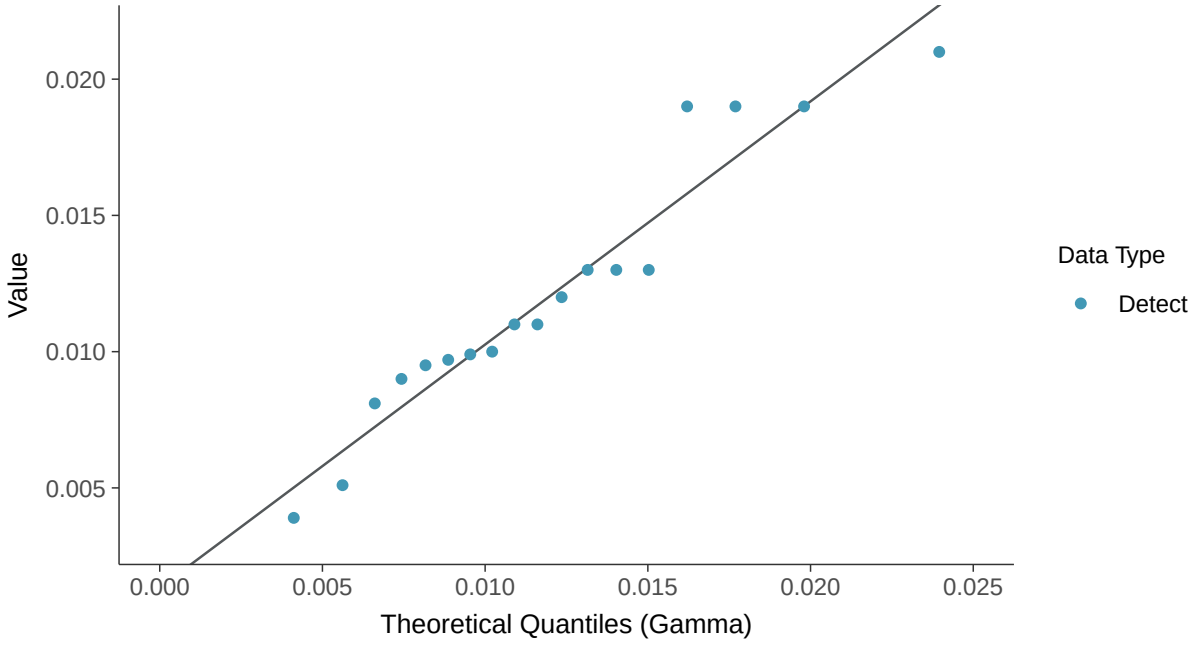



Normal Q-Q plot
Molybdenum, MW-19 (mg/L)
Value
0.020
0.015
0.010
0.005
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Molybdenum, MW-19 (mg/L)
log(Value)
−4.0
−4.5
−5.0
−5.5
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

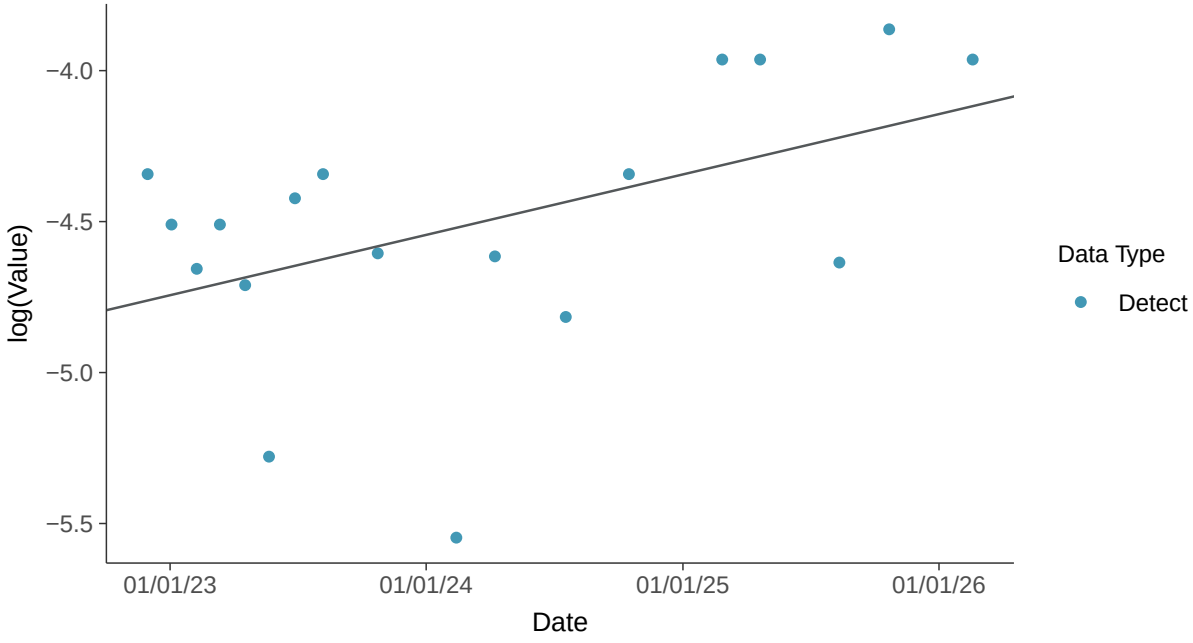
Gamma Q-Q plot

Molybdenum, MW-19 (mg/L)



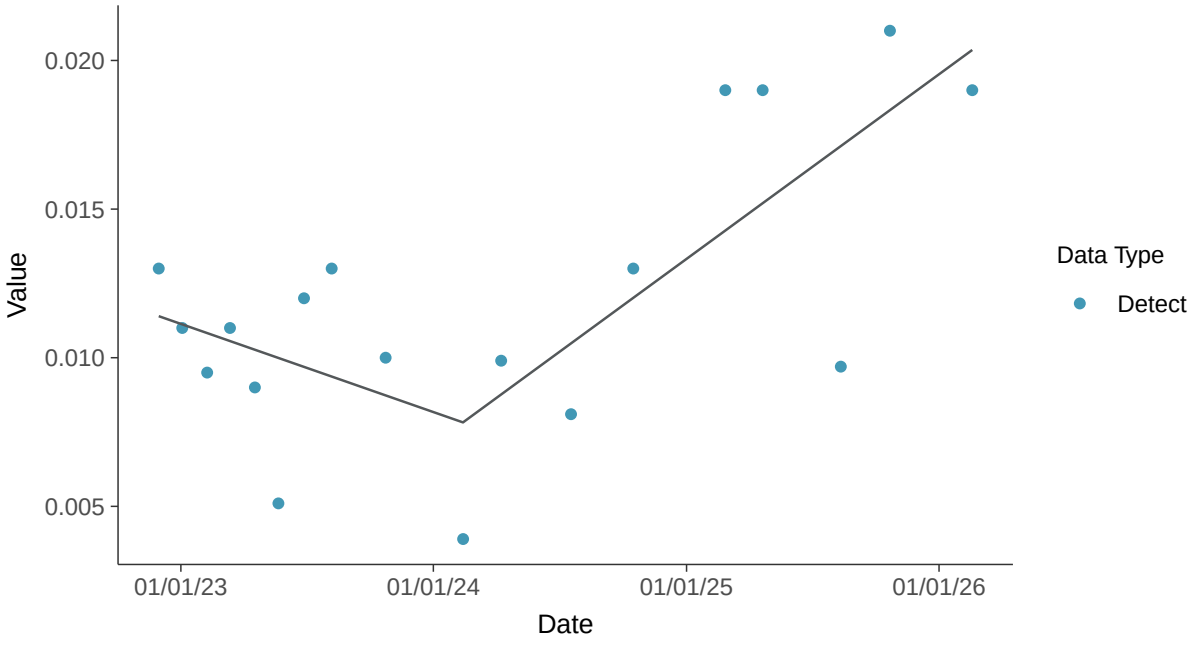
Trend Regression: Lognormal MLE

Molybdenum, MW-19 (mg/L)



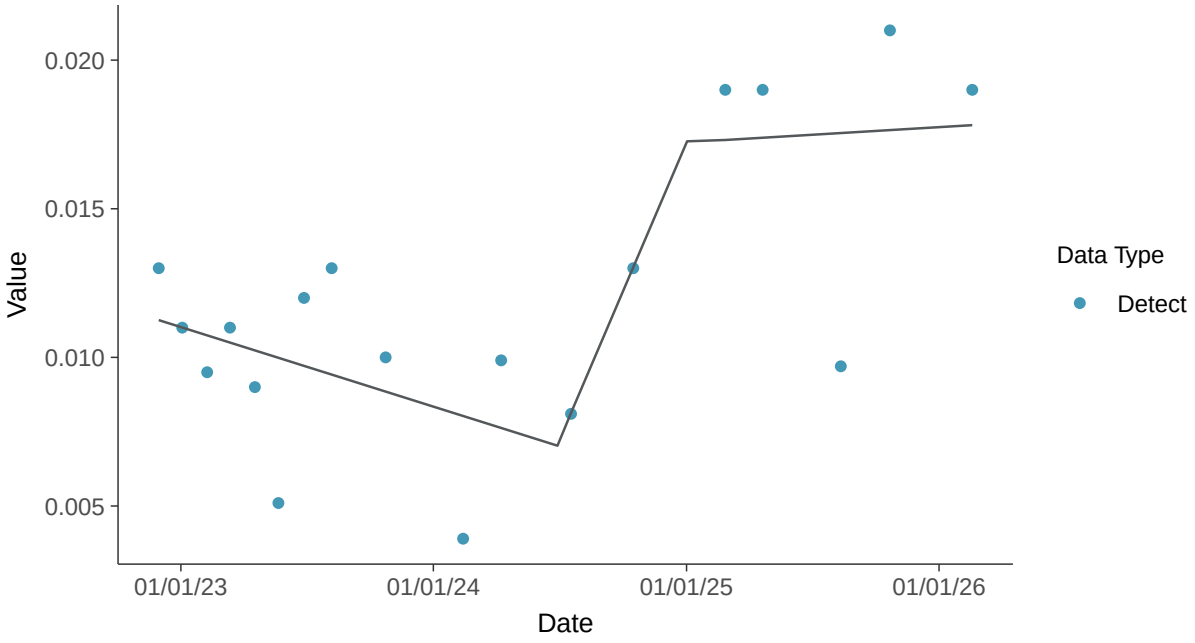
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-19 (mg/L)



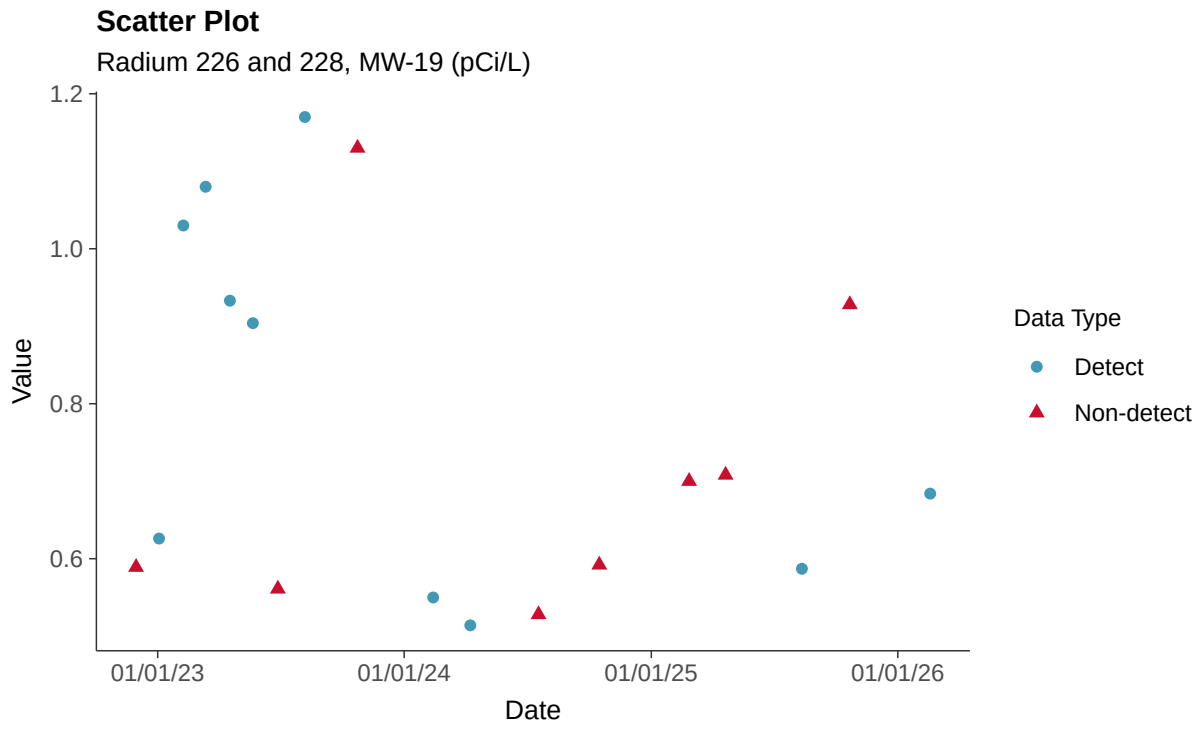
Trend Regression: Piecewise Linear-Linear-Linear

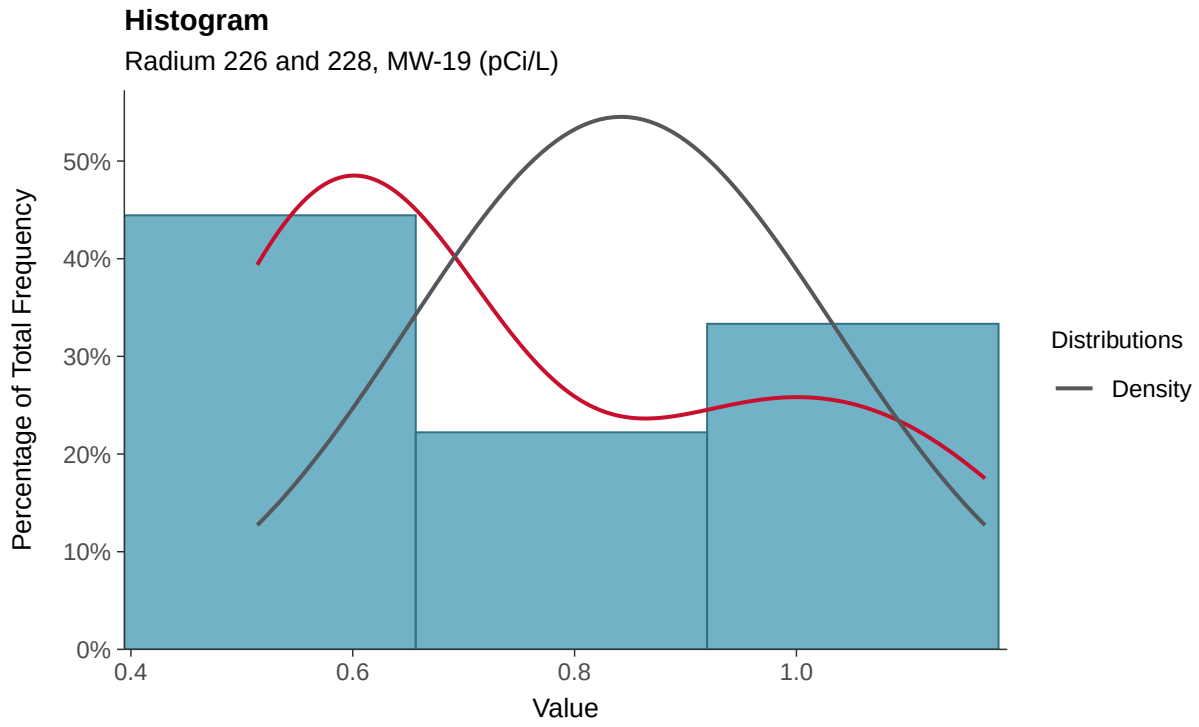
Molybdenum, MW-19 (mg/L)



Appendix IV: Radium 226 and 228, MW-19

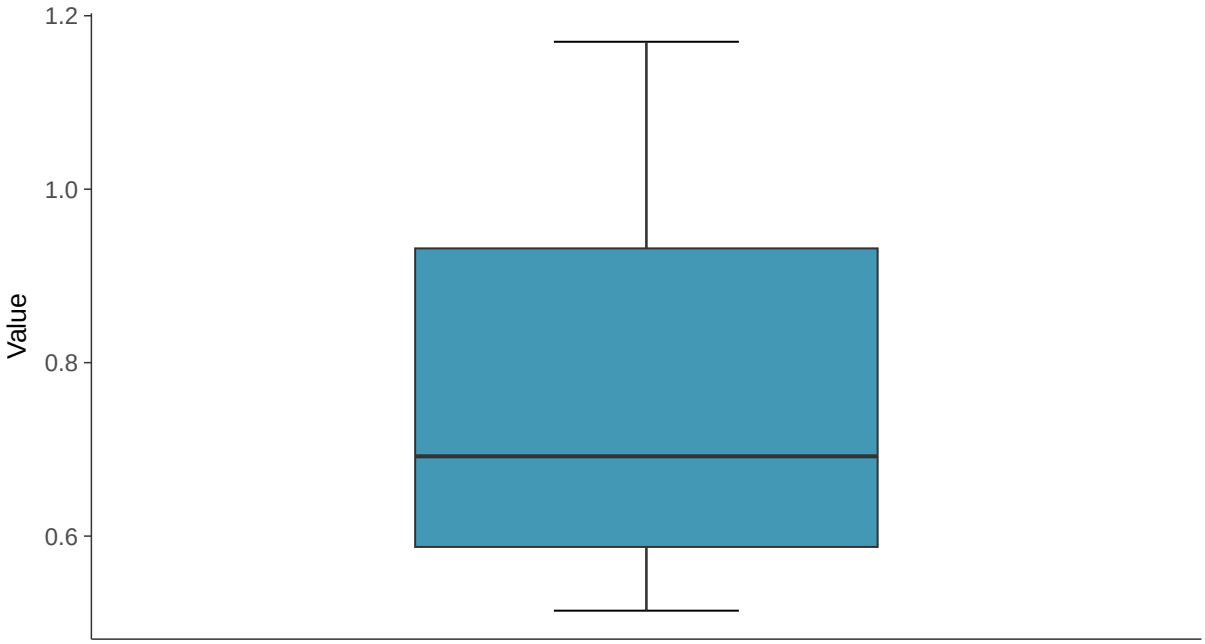
ID: 29_1_4_121





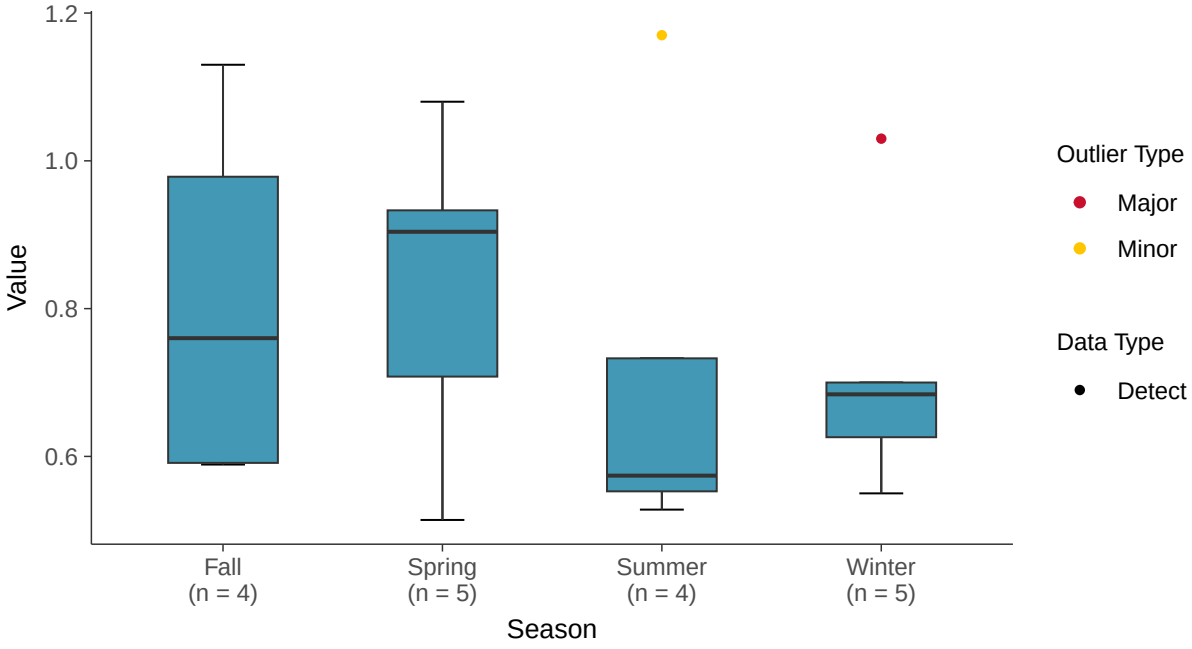
Boxplot

Radium 226 and 228, MW-19 (pCi/L)



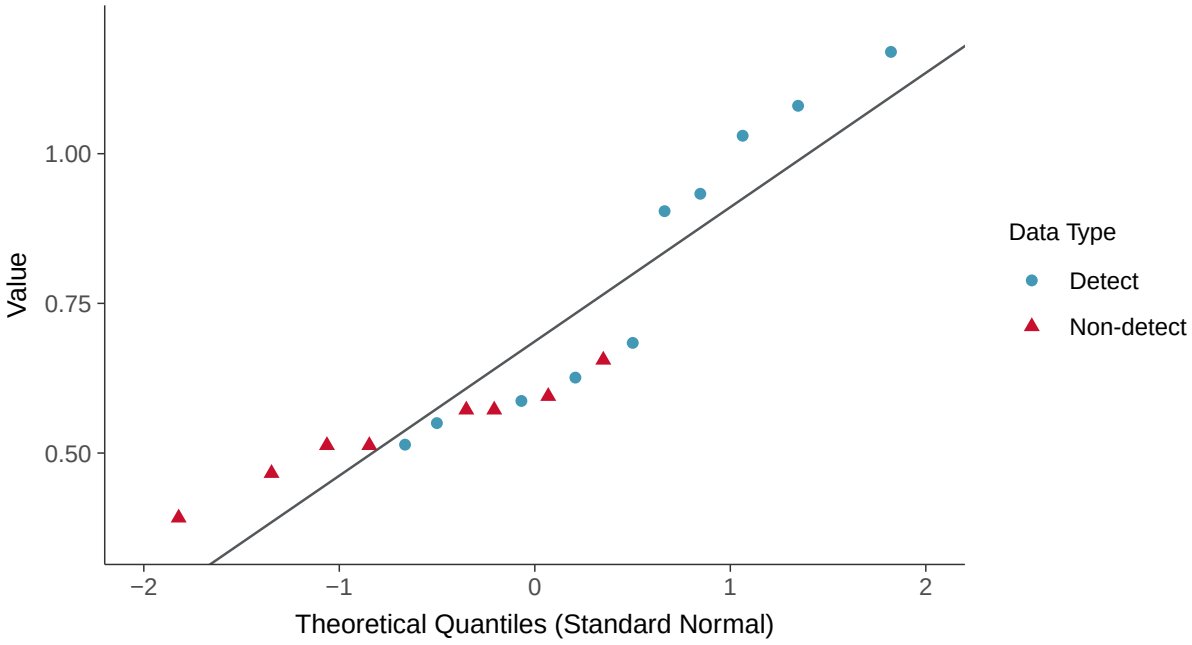
Boxplot by Season

Radium 226 and 228, MW-19 (pCi/L)



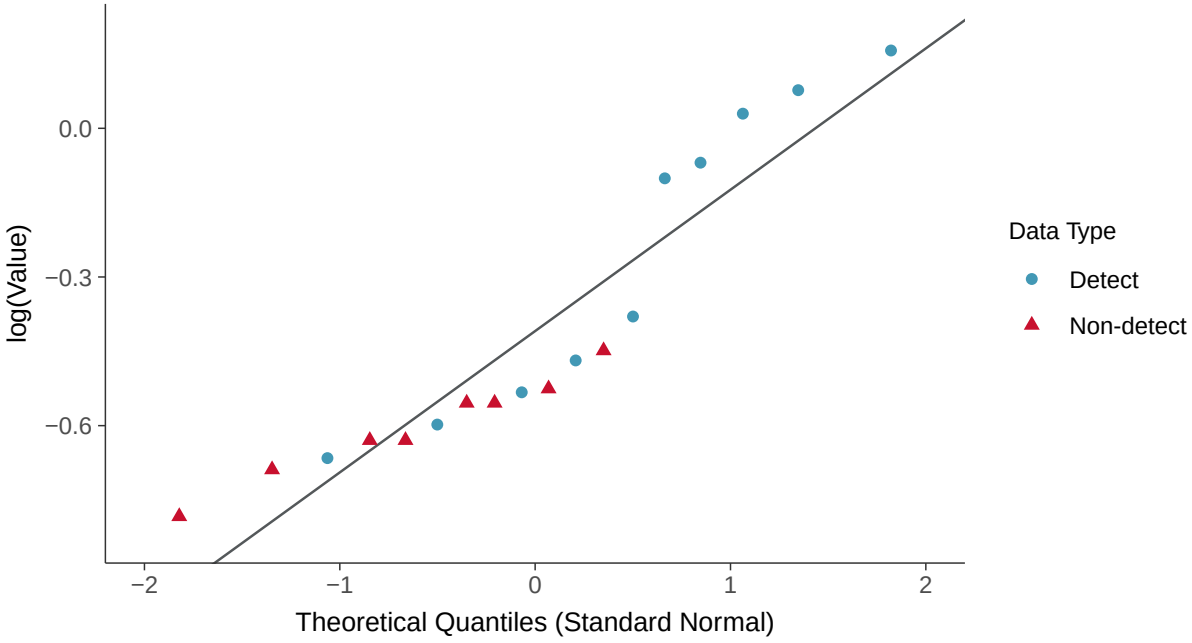
Normal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-19 (pCi/L)



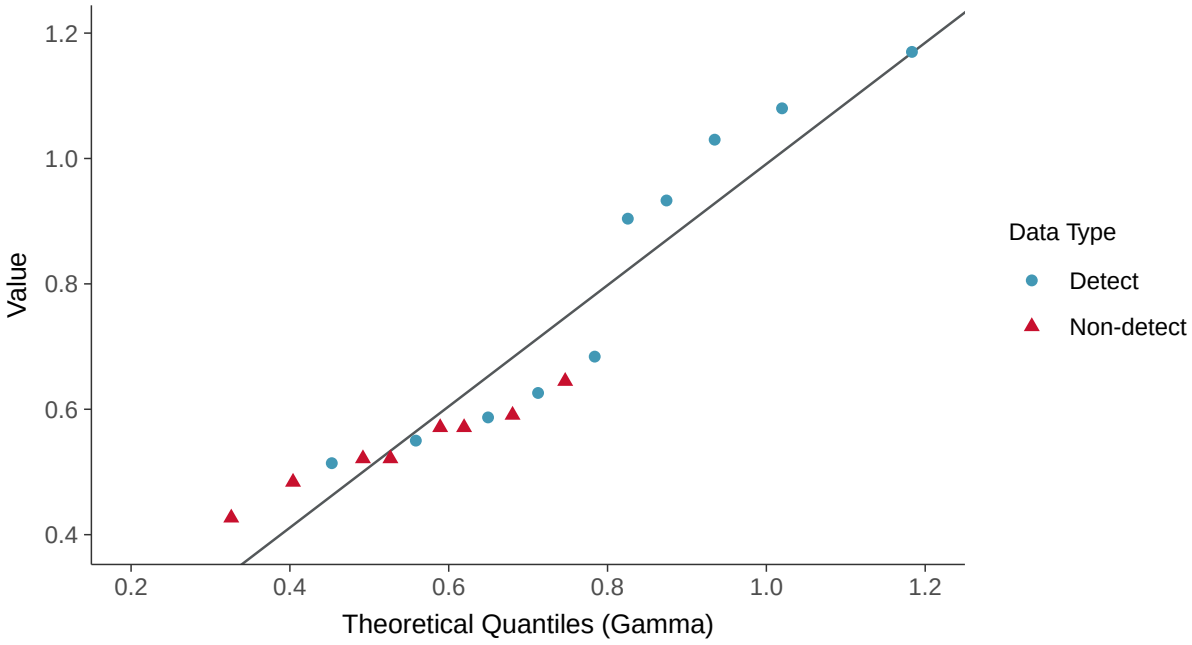
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-19 (pCi/L)



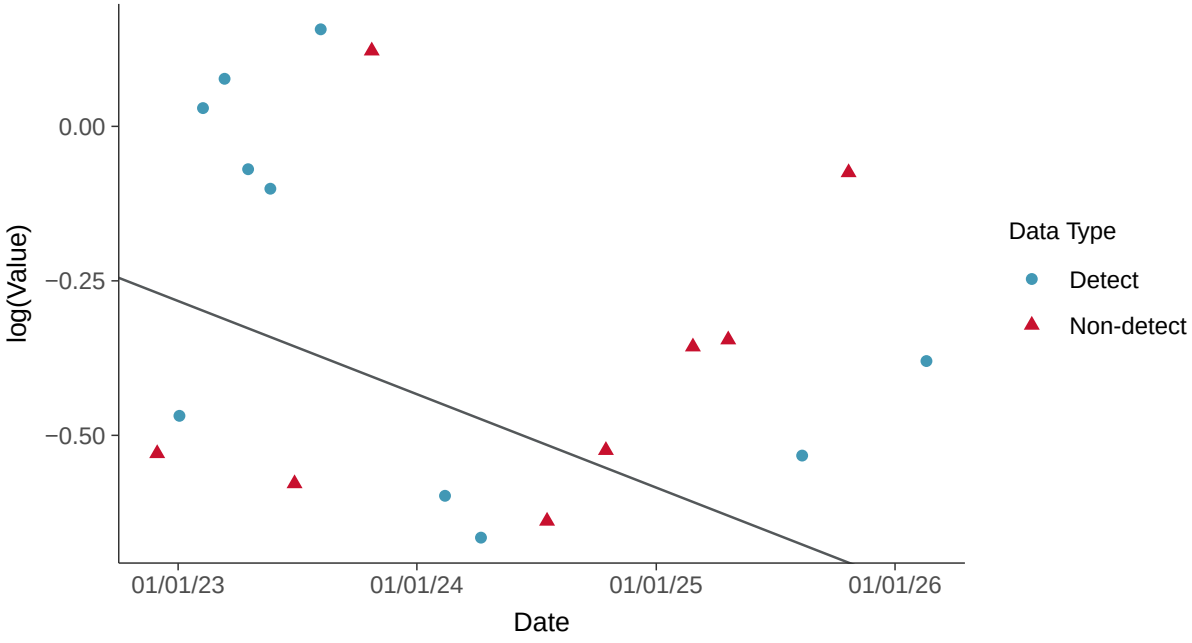
Gamma Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-19 (pCi/L)



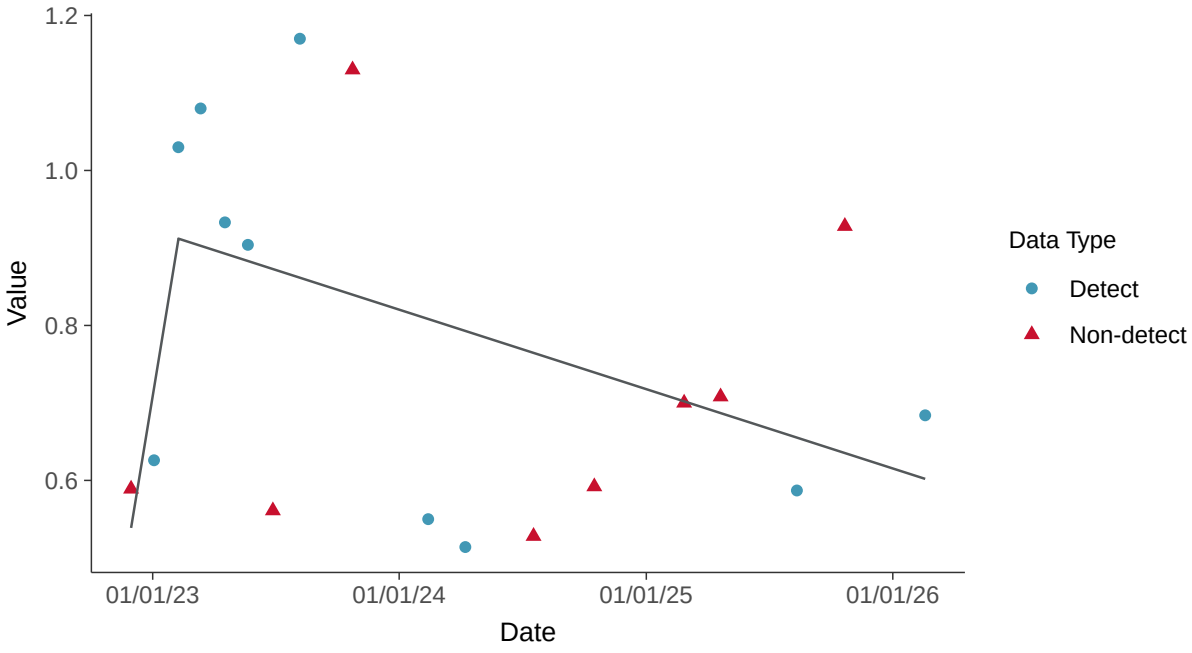
Trend Regression: Lognormal MLE

Radium 226 and 228, MW-19 (pCi/L)



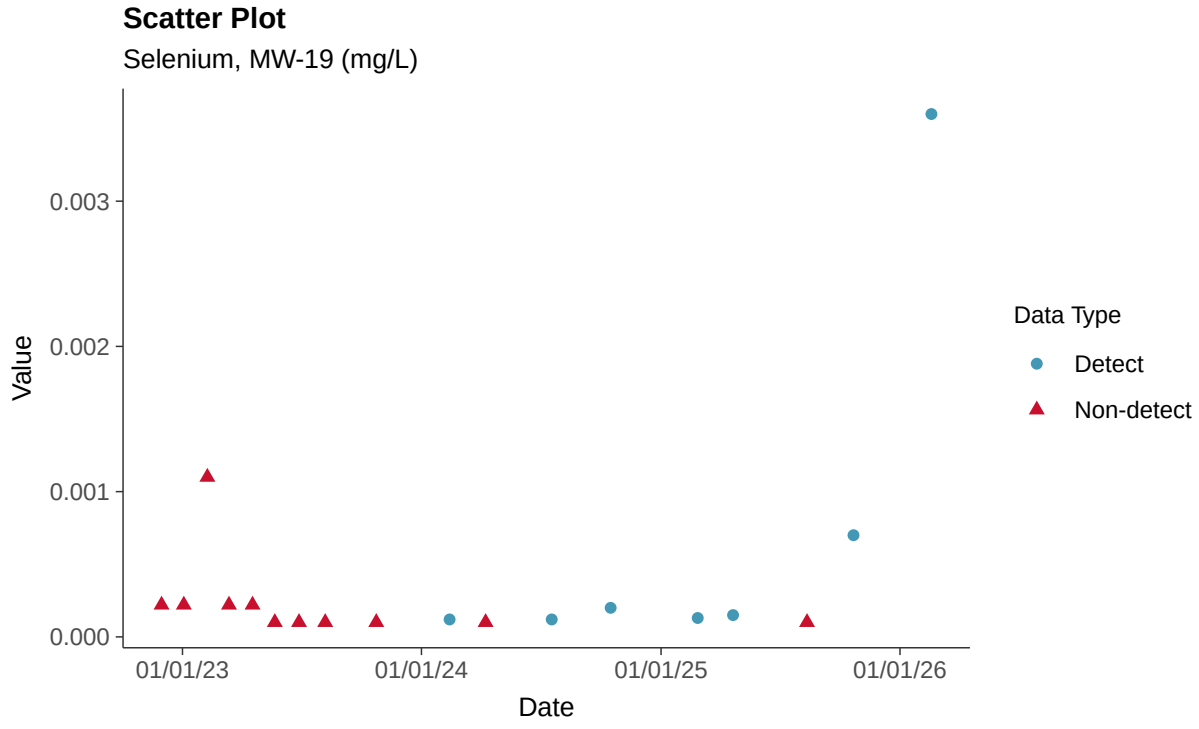
Trend Regression: Piecewise Linear-Linear

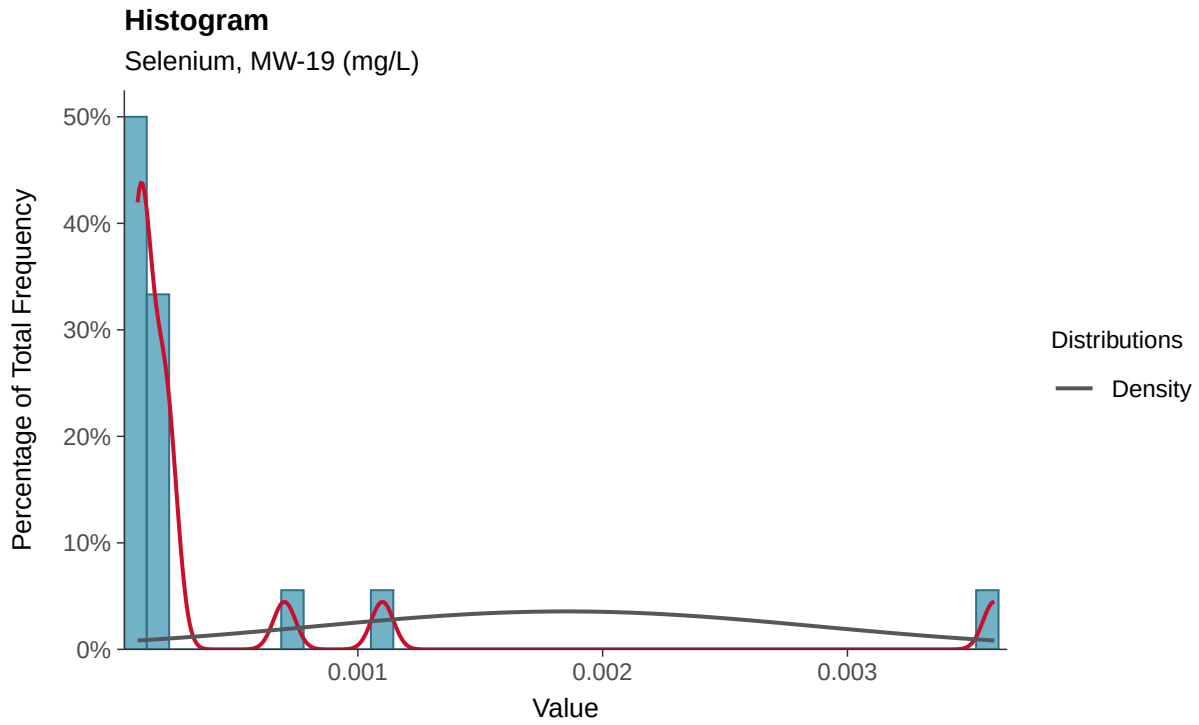
Radium 226 and 228, MW-19 (pCi/L)



Appendix IV: Selenium, MW-19

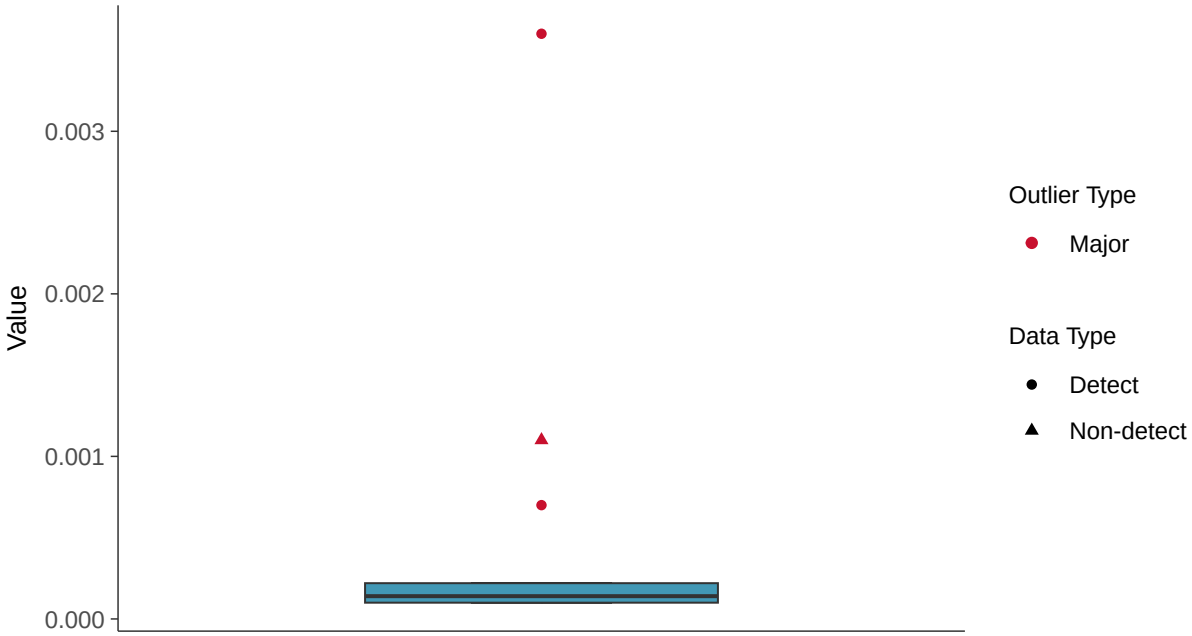
ID: 29_1_4_122





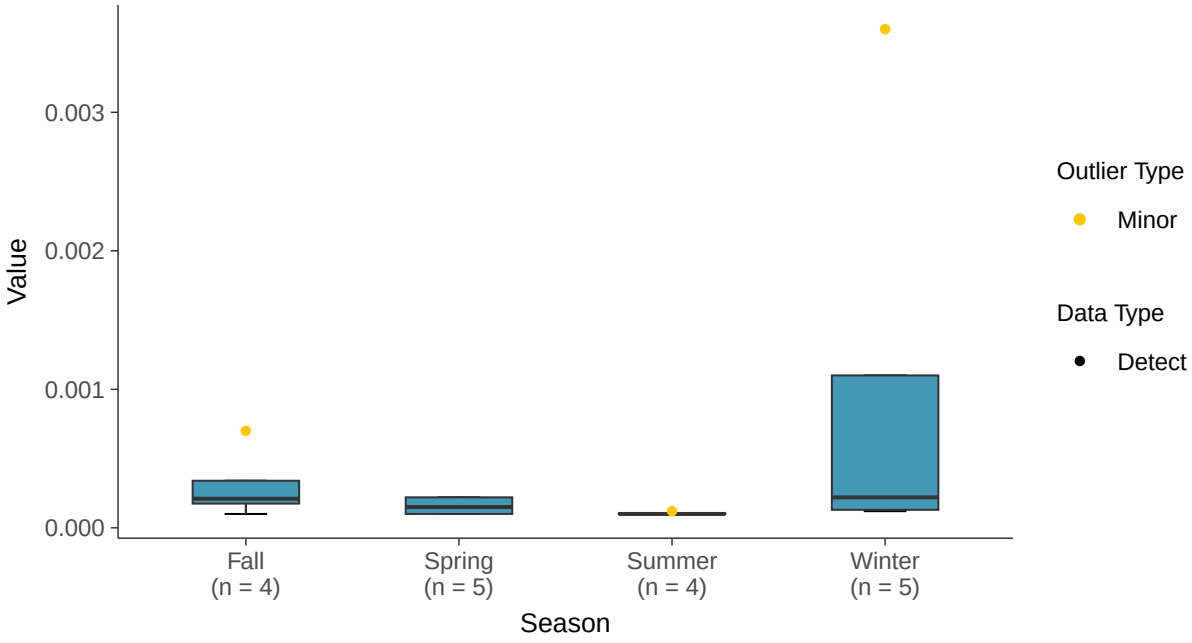
Boxplot

Selenium, MW-19 (mg/L)



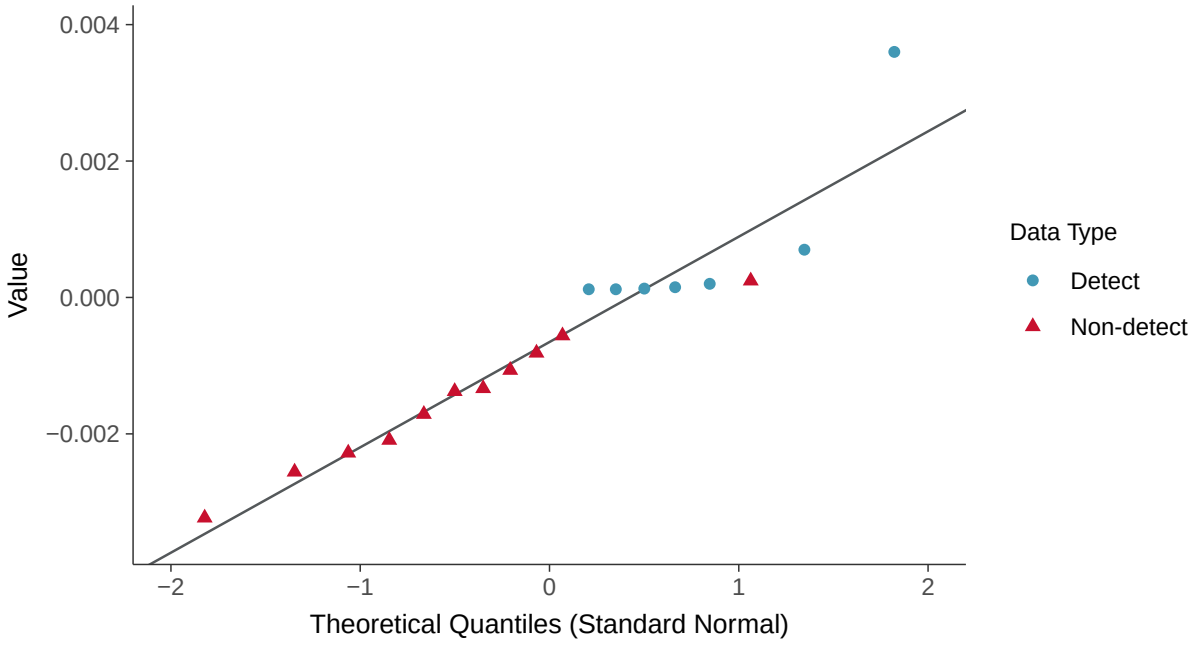
Boxplot by Season

Selenium, MW-19 (mg/L)



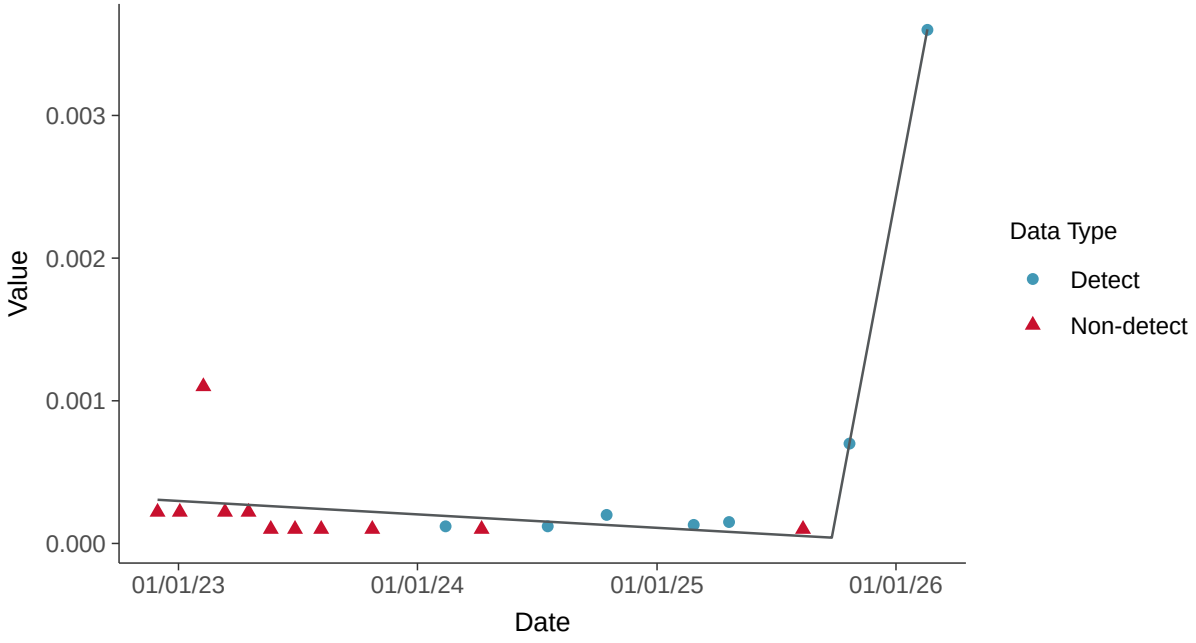
Normal Q-Q plot using ROS Imputed Estimates

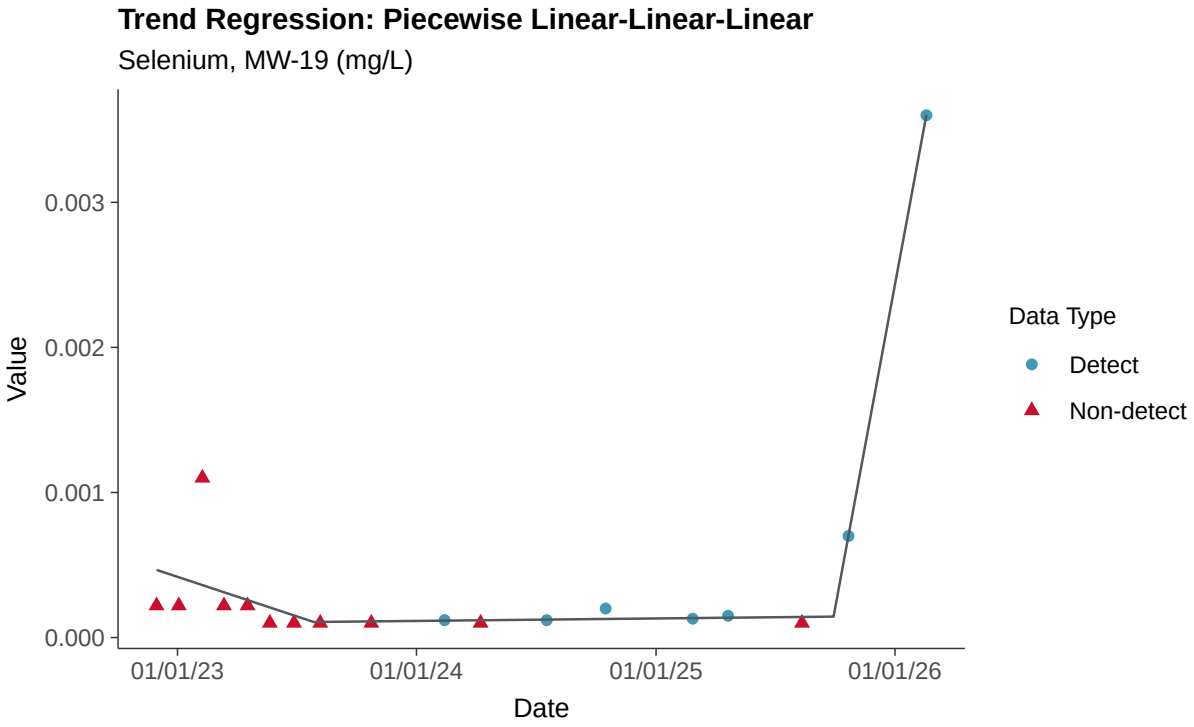
Selenium, MW-19 (mg/L)



Trend Regression: Piecewise Linear-Linear

Selenium, MW-19 (mg/L)



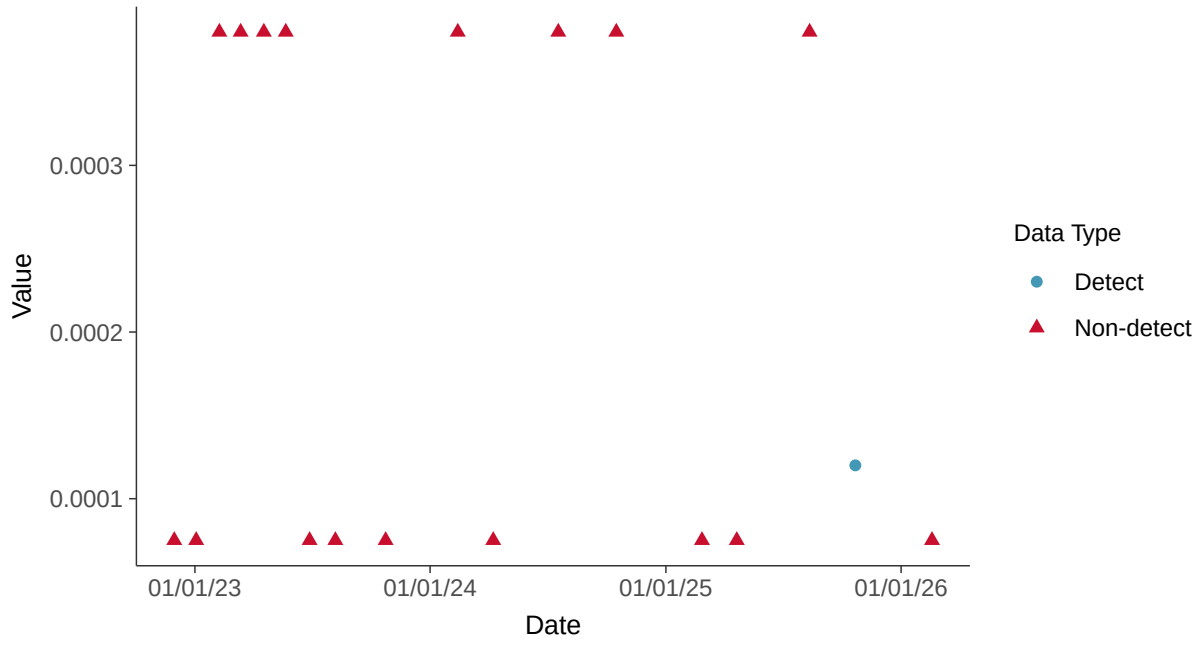

Trend Regression: Piecewise Linear-Linear-Linear
Selenium, MW-19 (mg/L)
Value
0.003
0.002
0.001
0.000
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Thallium, MW-19

ID: 29_1_4_125

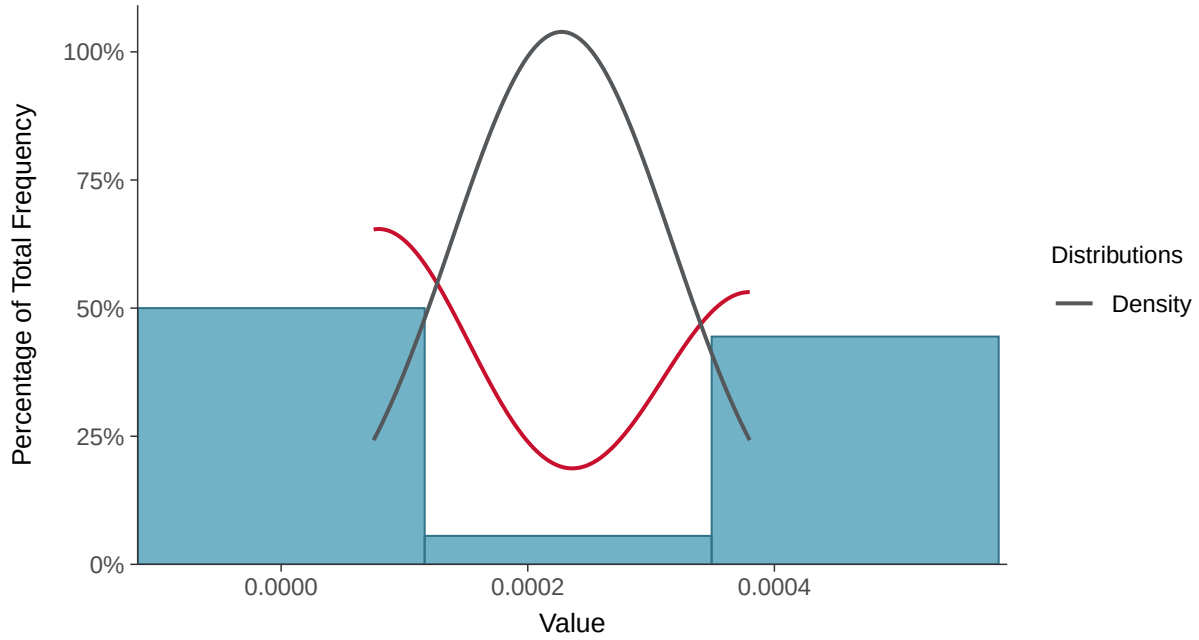
Scatter Plot

Thallium, MW-19 (mg/L)



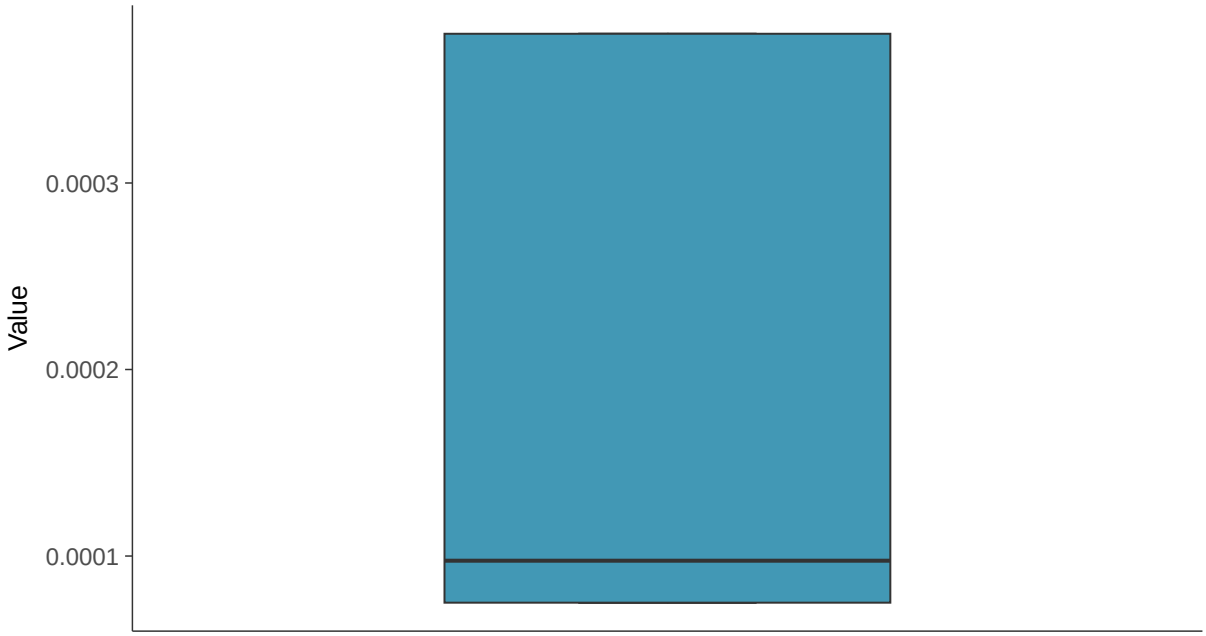
Histogram

Thallium, MW-19 (mg/L)



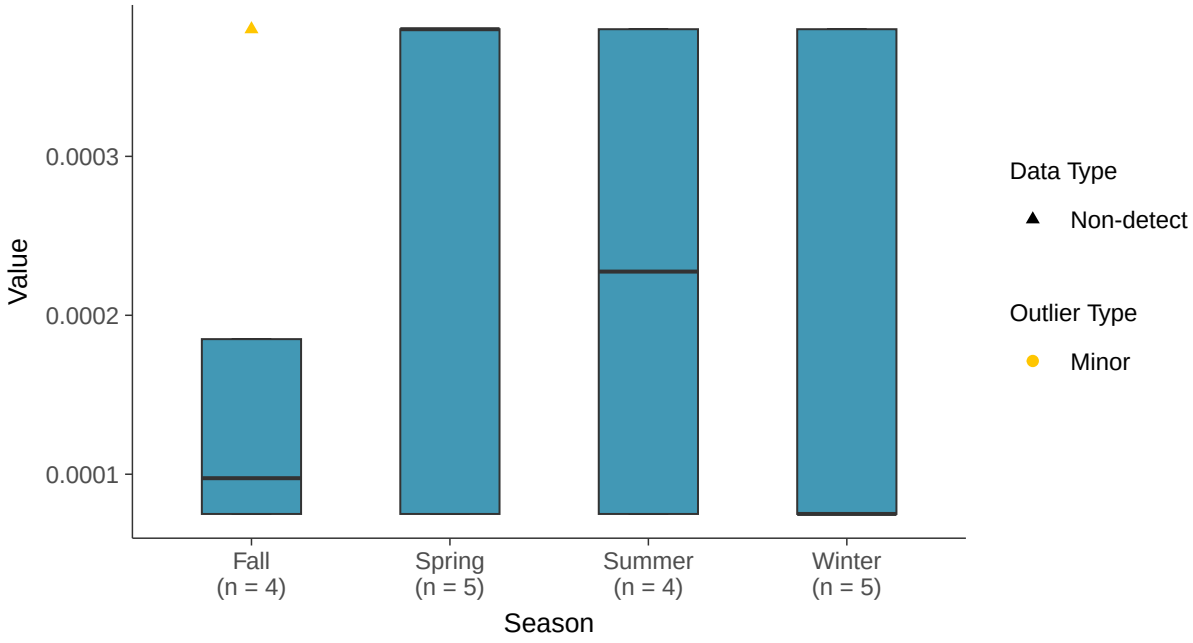
Boxplot

Thallium, MW-19 (mg/L)



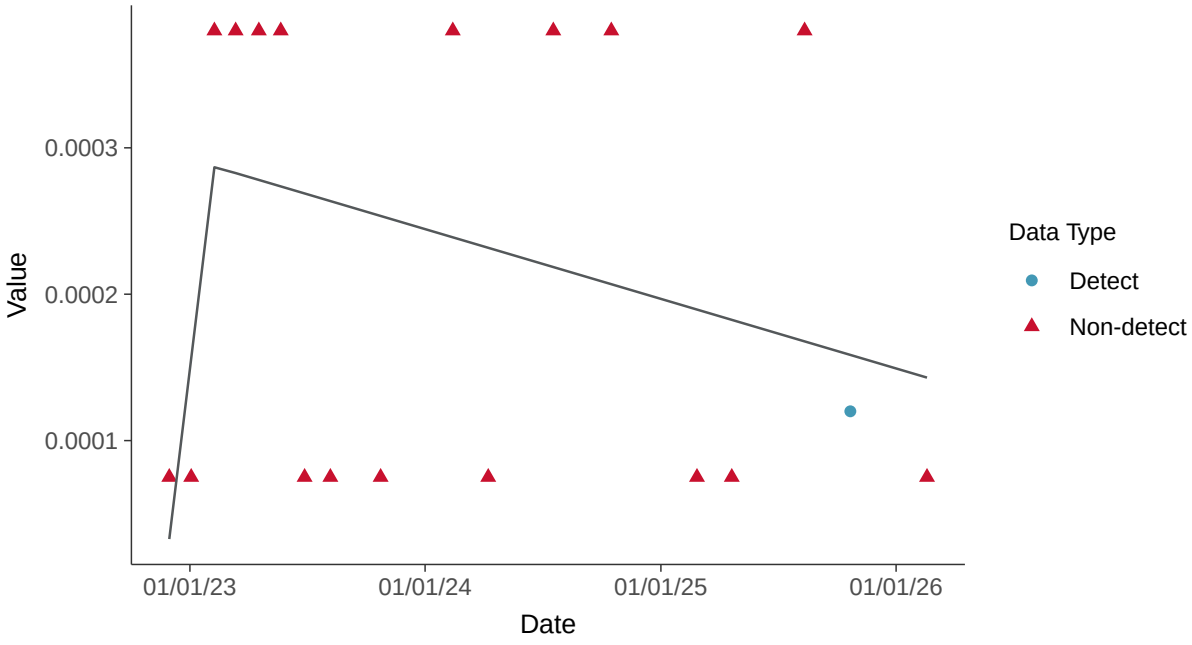
Boxplot by Season

Thallium, MW-19 (mg/L)



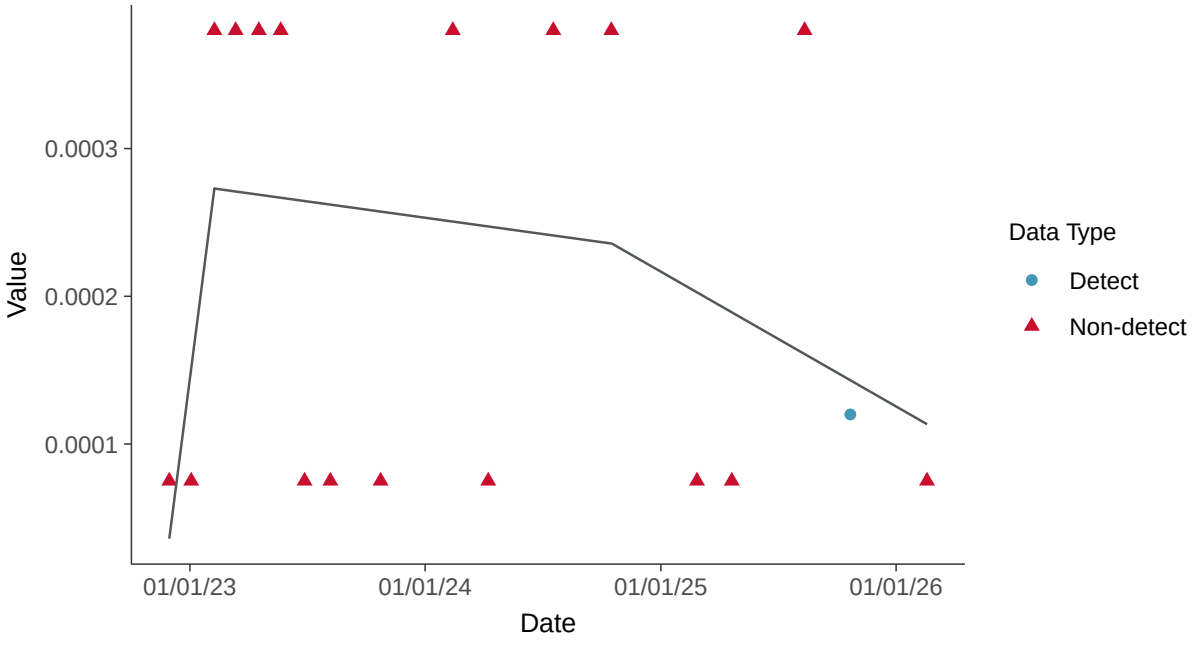
Trend Regression: Piecewise Linear-Linear

Thallium, MW-19 (mg/L)



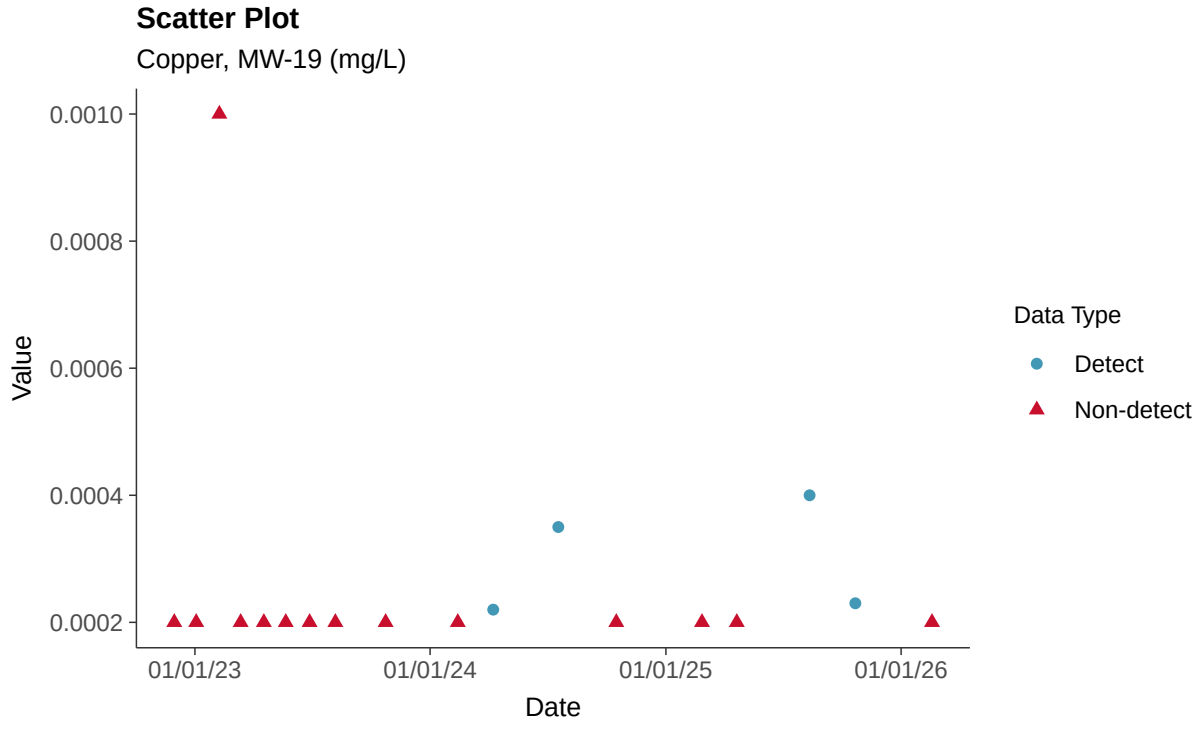
Trend Regression: Piecewise Linear-Linear-Linear

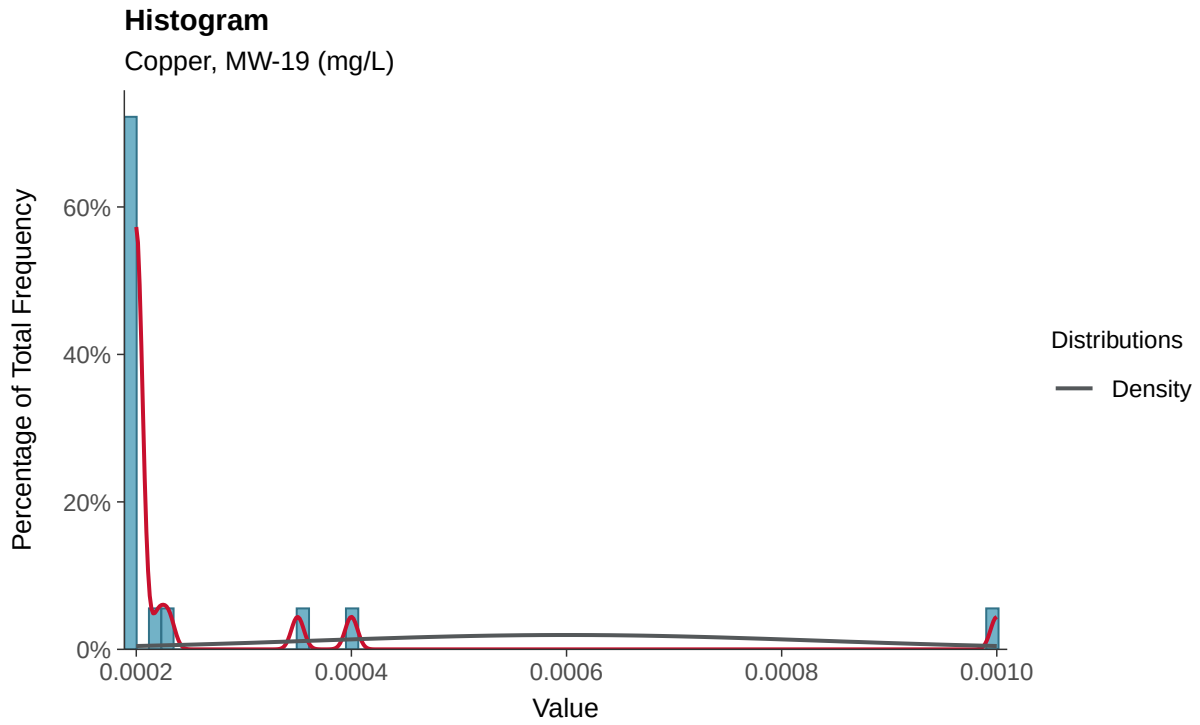
Thallium, MW-19 (mg/L)



Part 115: Copper, MW-19

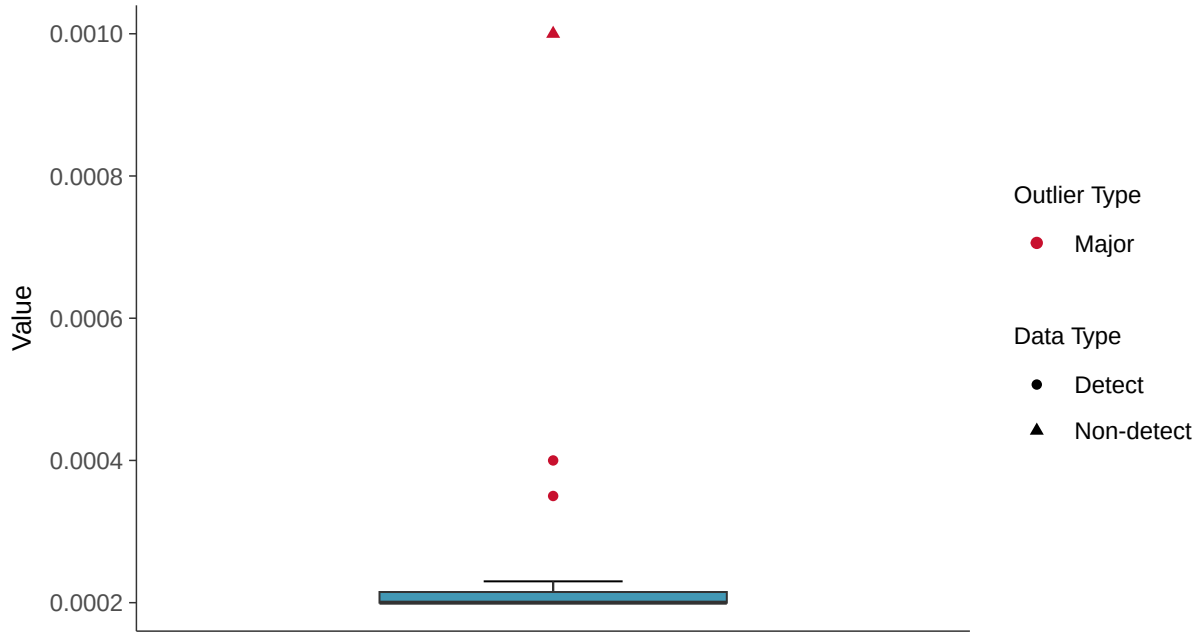
ID: 29_1_5_111





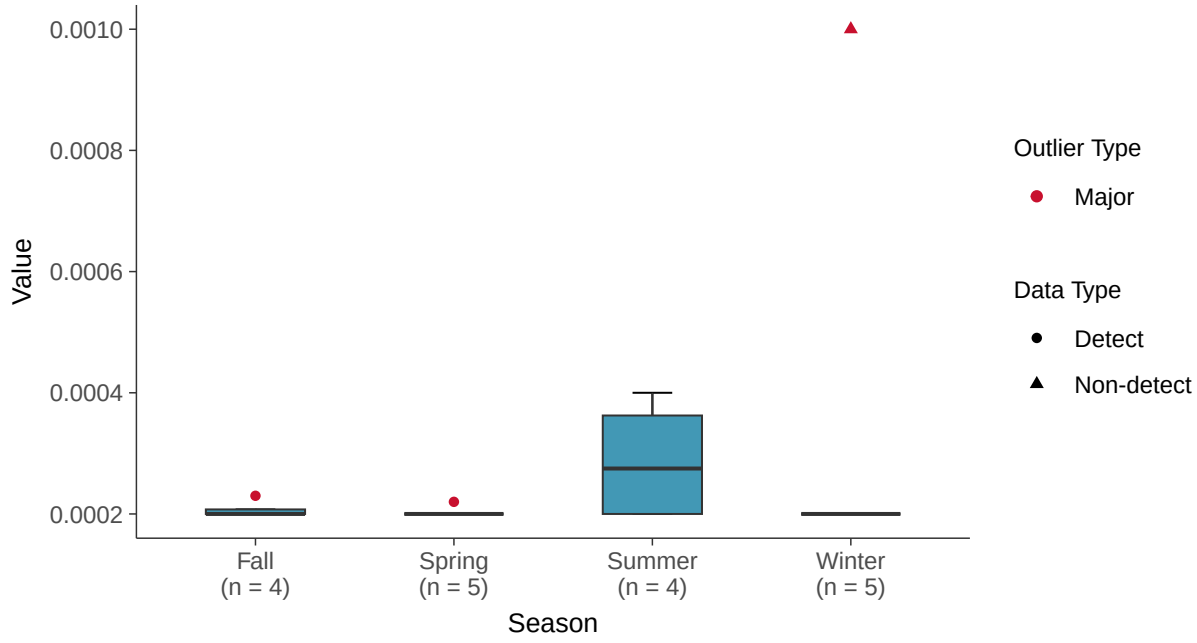
Boxplot

Copper, MW-19 (mg/L)



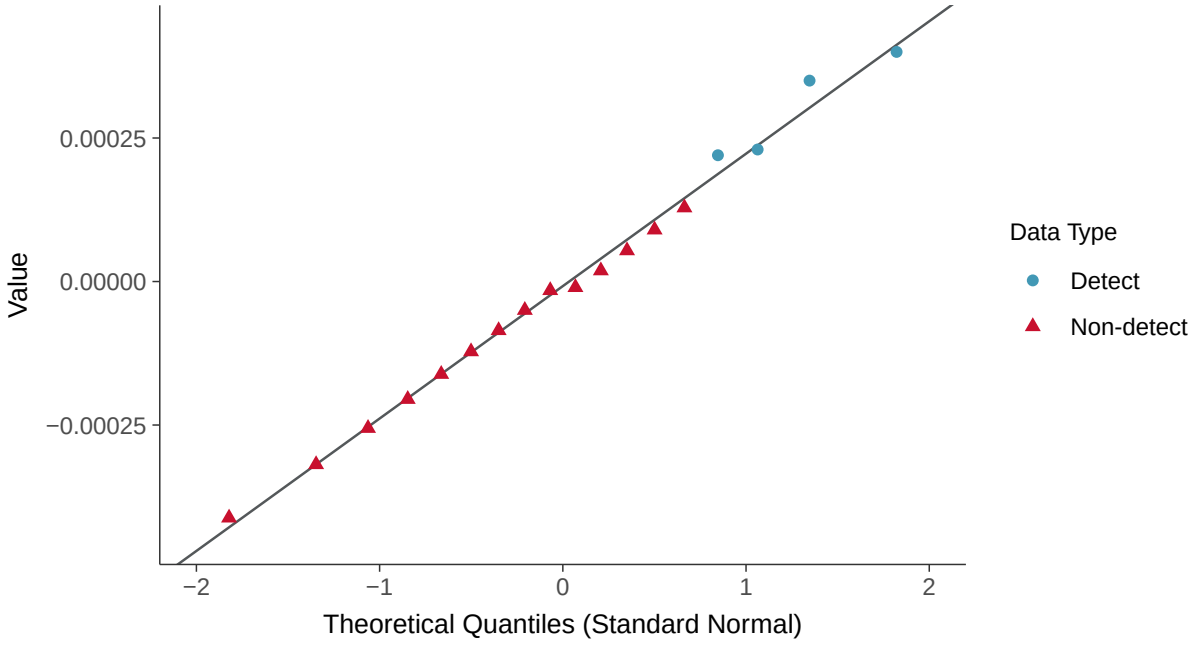
Boxplot by Season

Copper, MW-19 (mg/L)



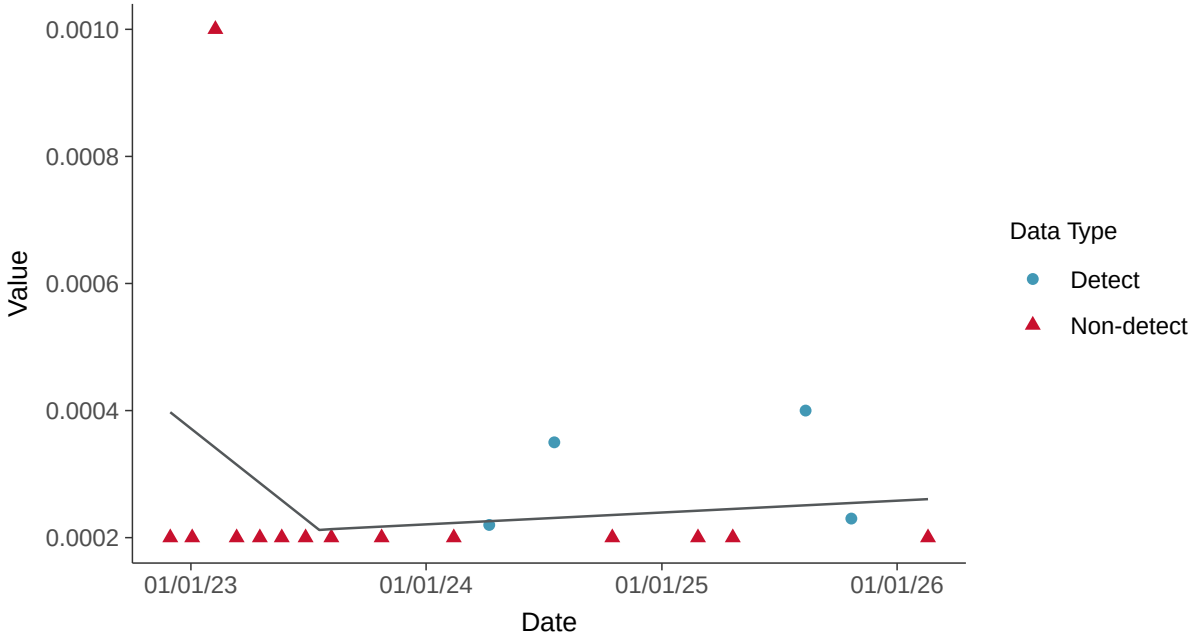
Normal Q-Q plot using ROS Imputed Estimates

Copper, MW-19 (mg/L)



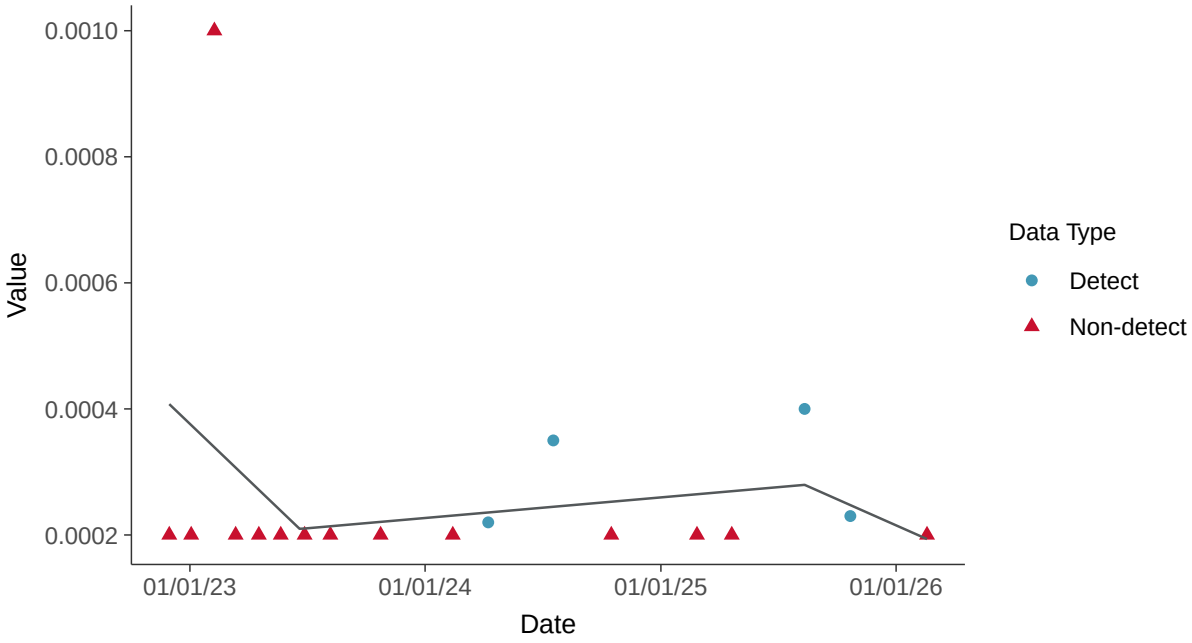
Trend Regression: Piecewise Linear-Linear

Copper, MW-19 (mg/L)



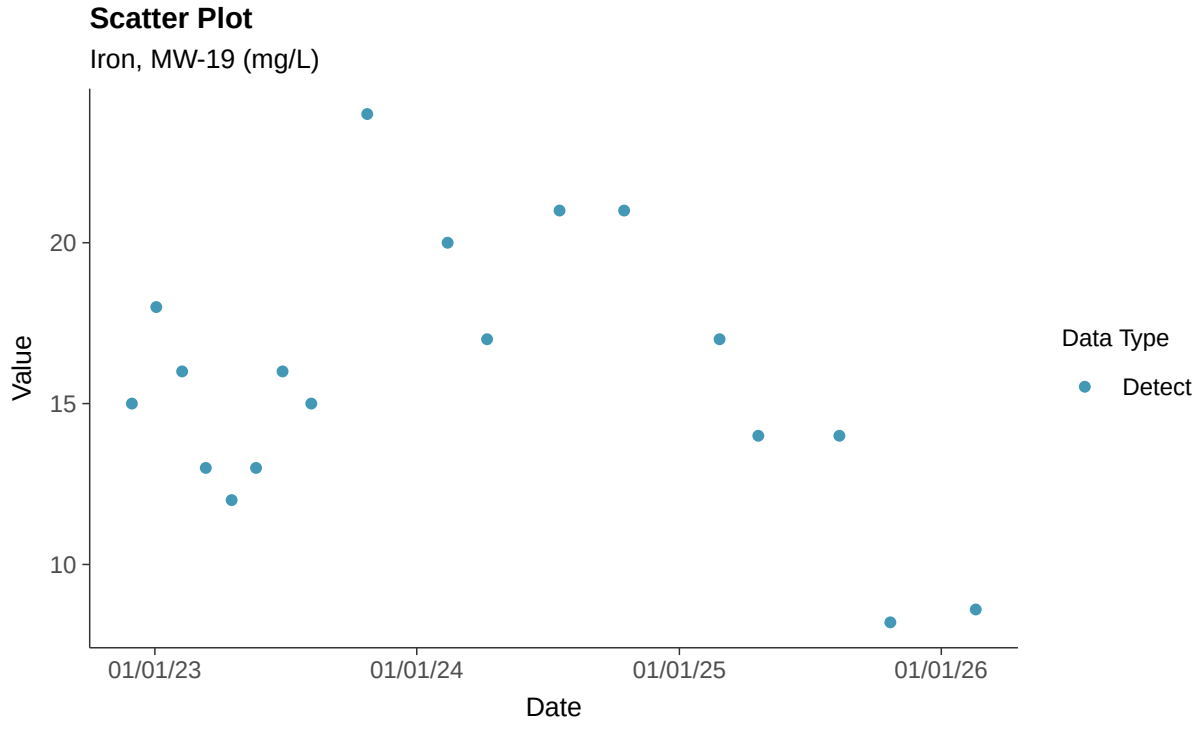
Trend Regression: Piecewise Linear-Linear-Linear

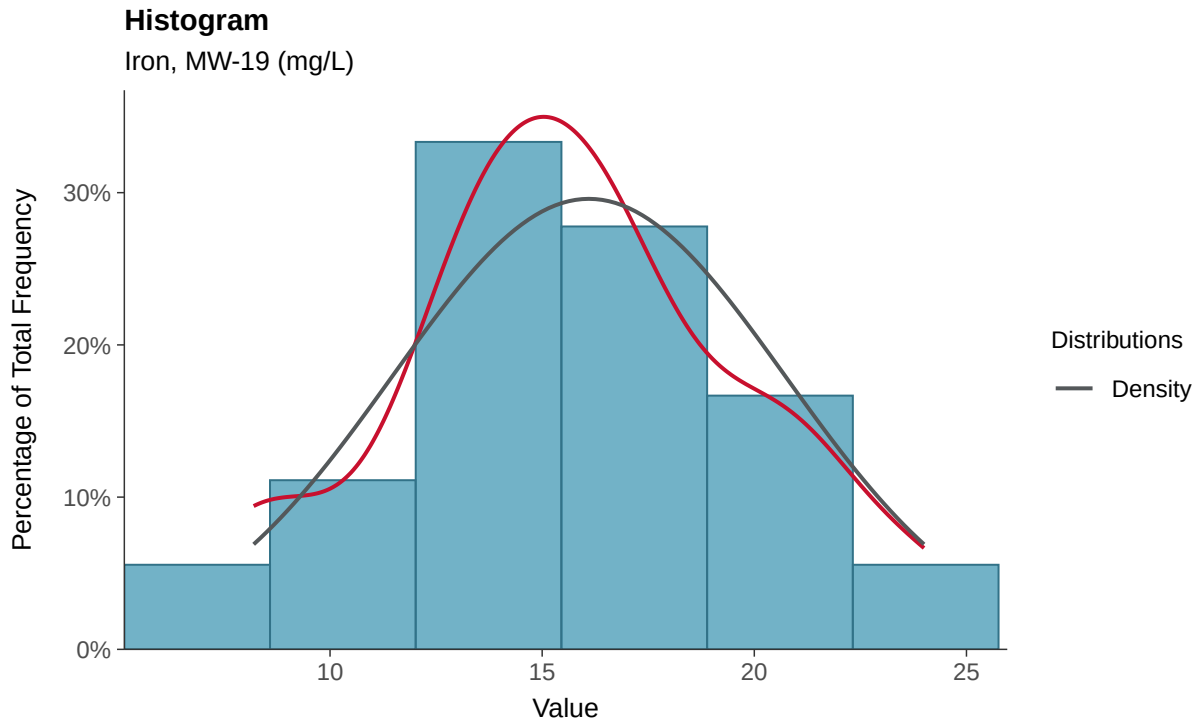
Copper, MW-19 (mg/L)



Part 115: Iron, MW-19

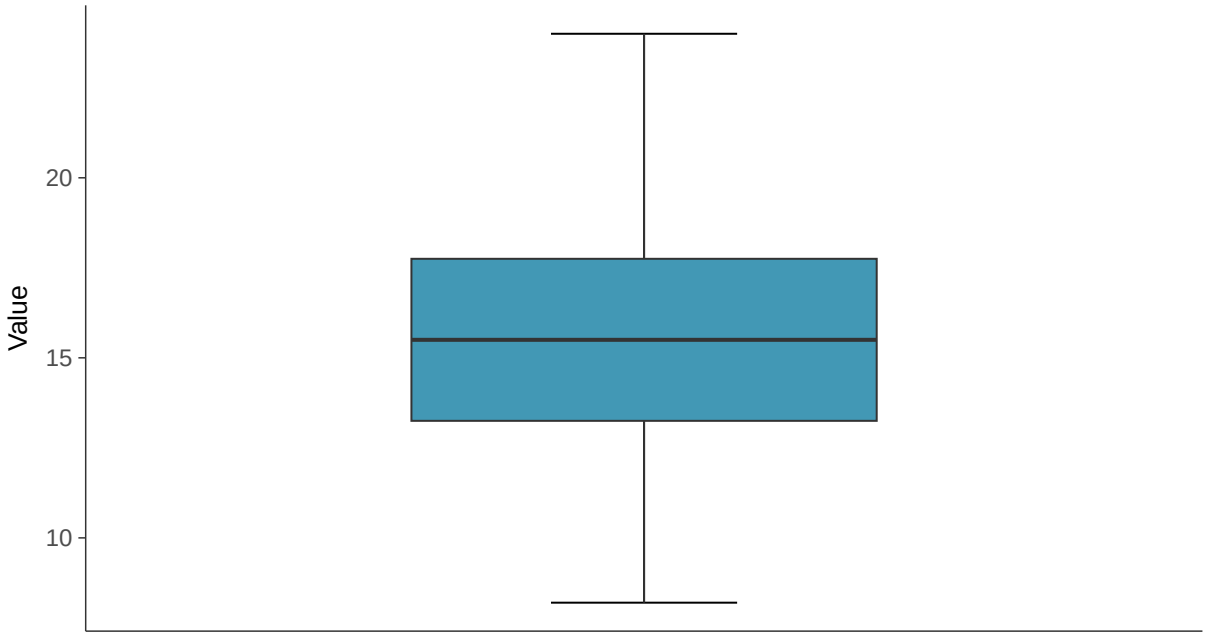
ID: 29_1_5_114





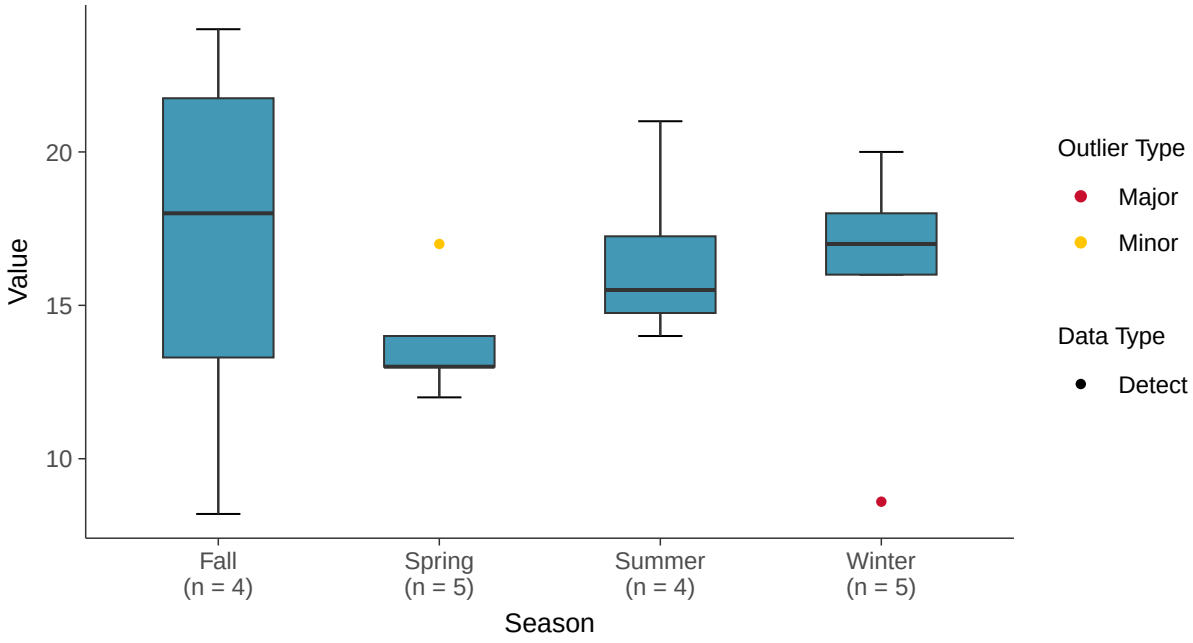
Boxplot

Iron, MW-19 (mg/L)



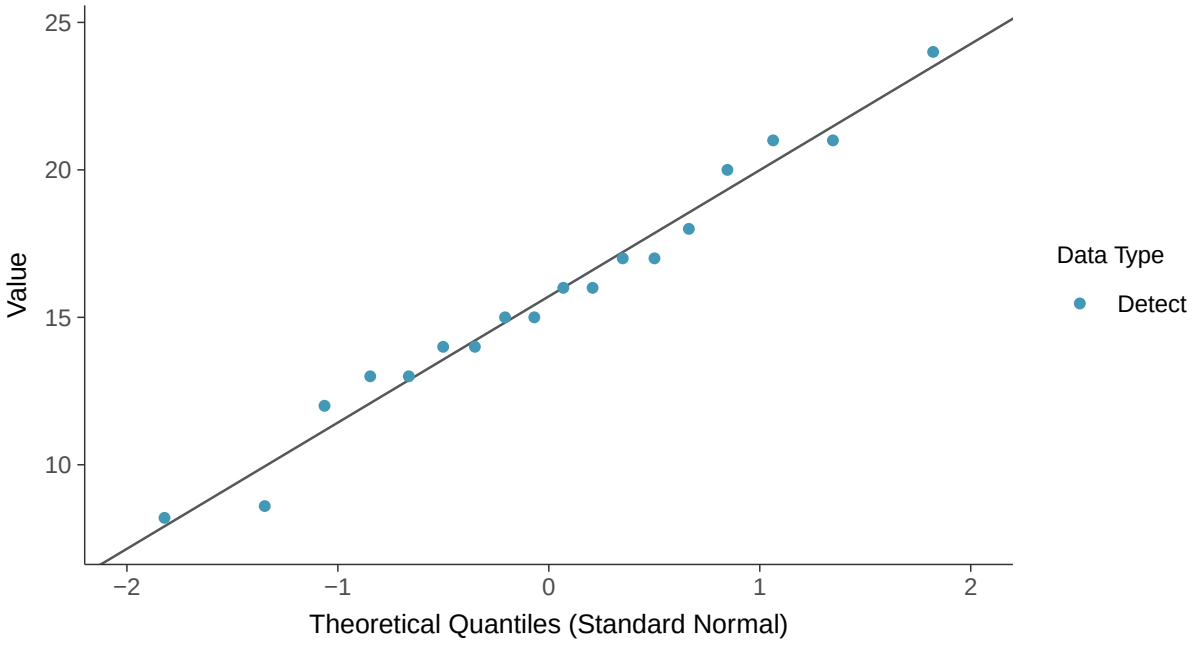
Boxplot by Season

Iron, MW-19 (mg/L)



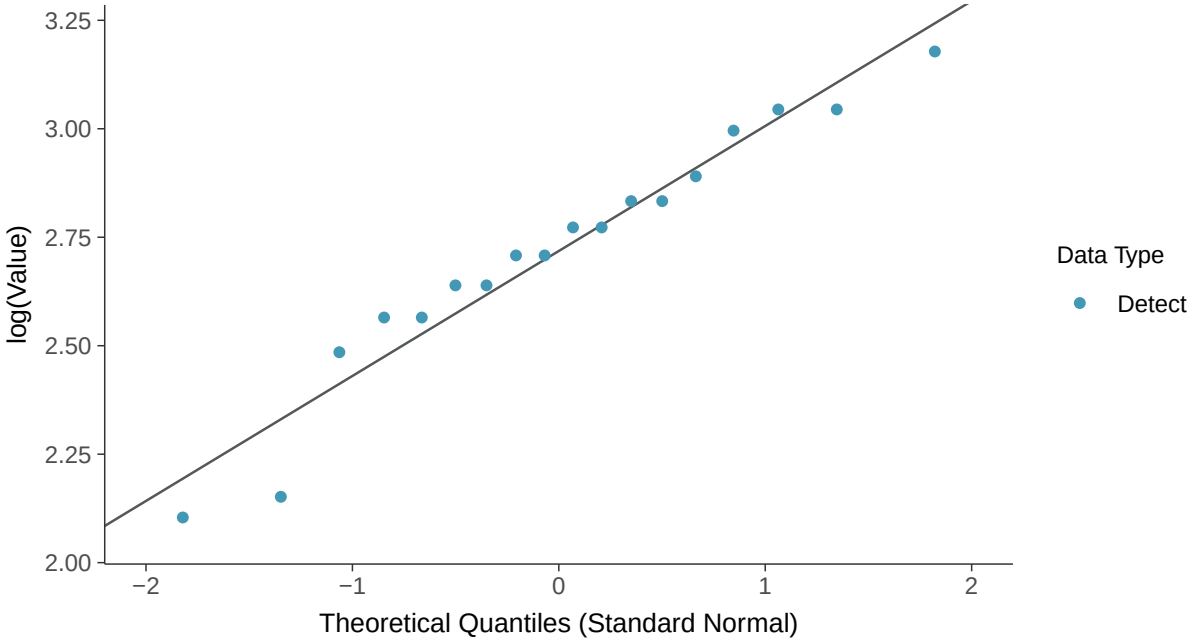
Normal Q-Q plot

Iron, MW-19 (mg/L)



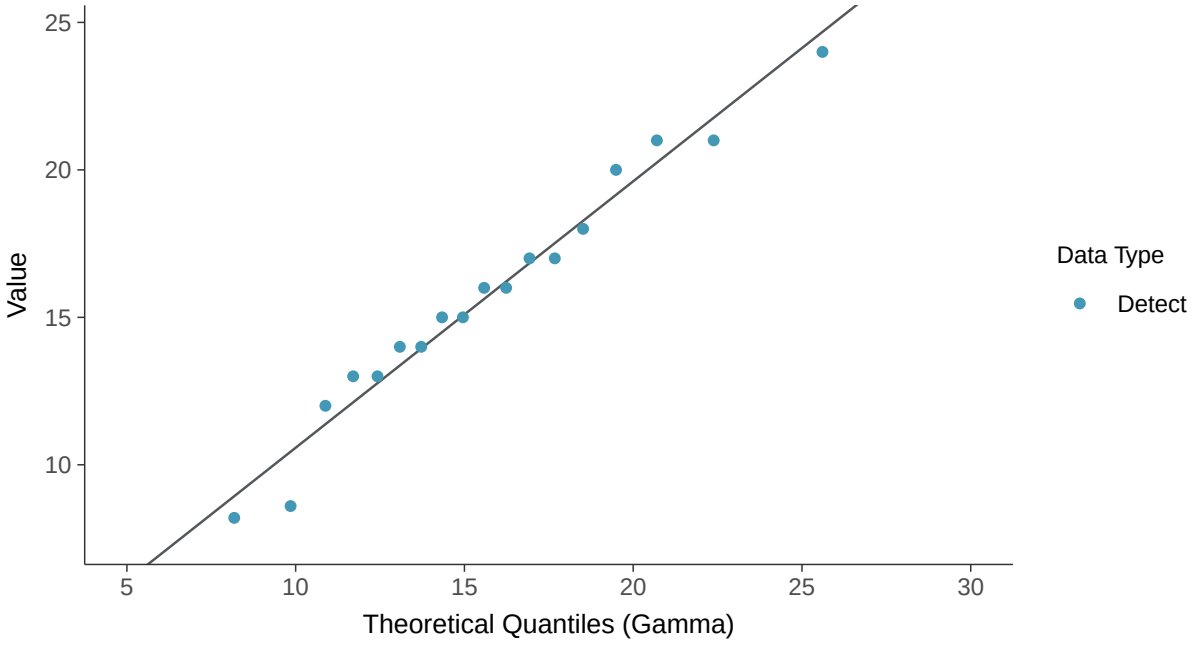
Lognormal Q-Q plot

Iron, MW-19 (mg/L)



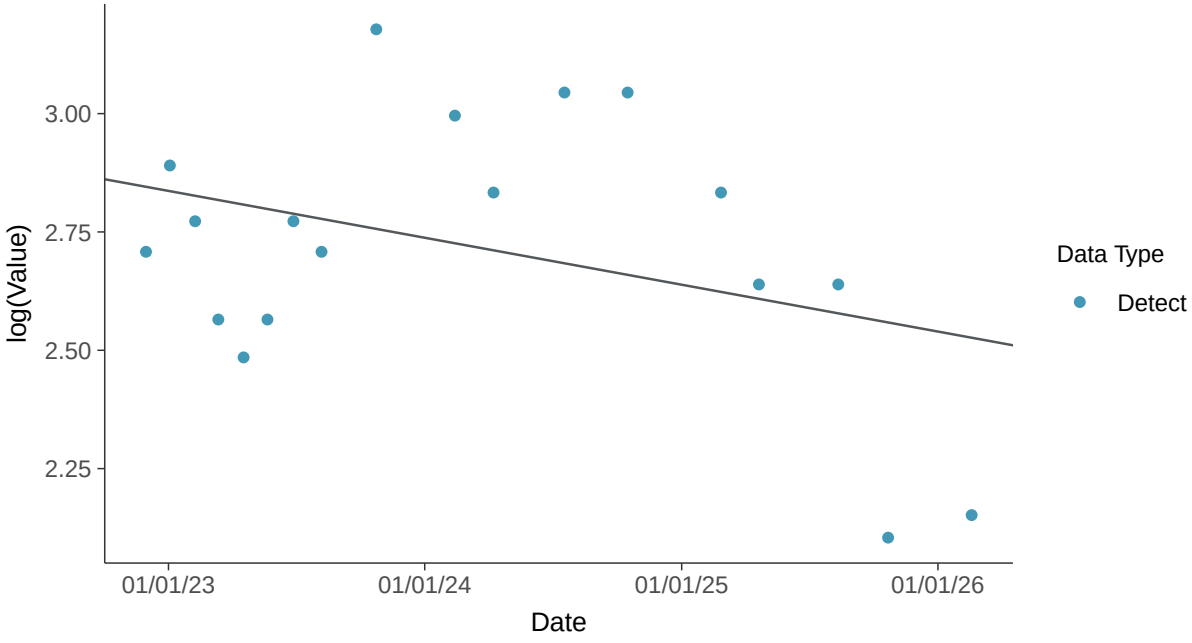
Gamma Q-Q plot

Iron, MW-19 (mg/L)



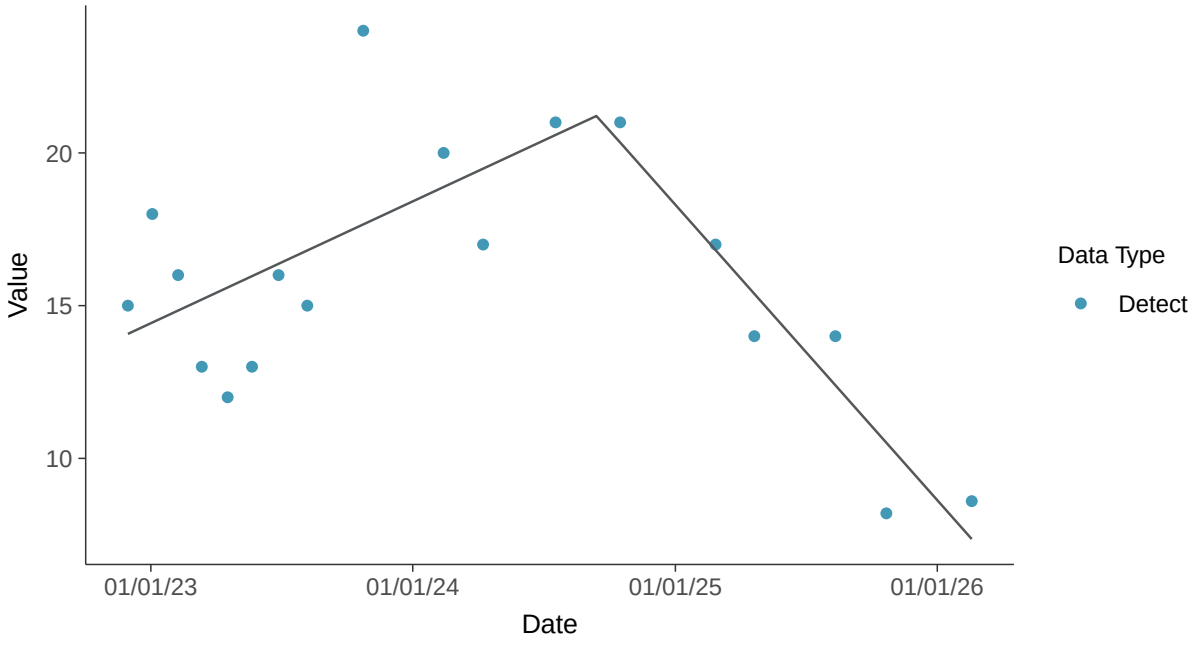
Trend Regression: Lognormal MLE

Iron, MW-19 (mg/L)



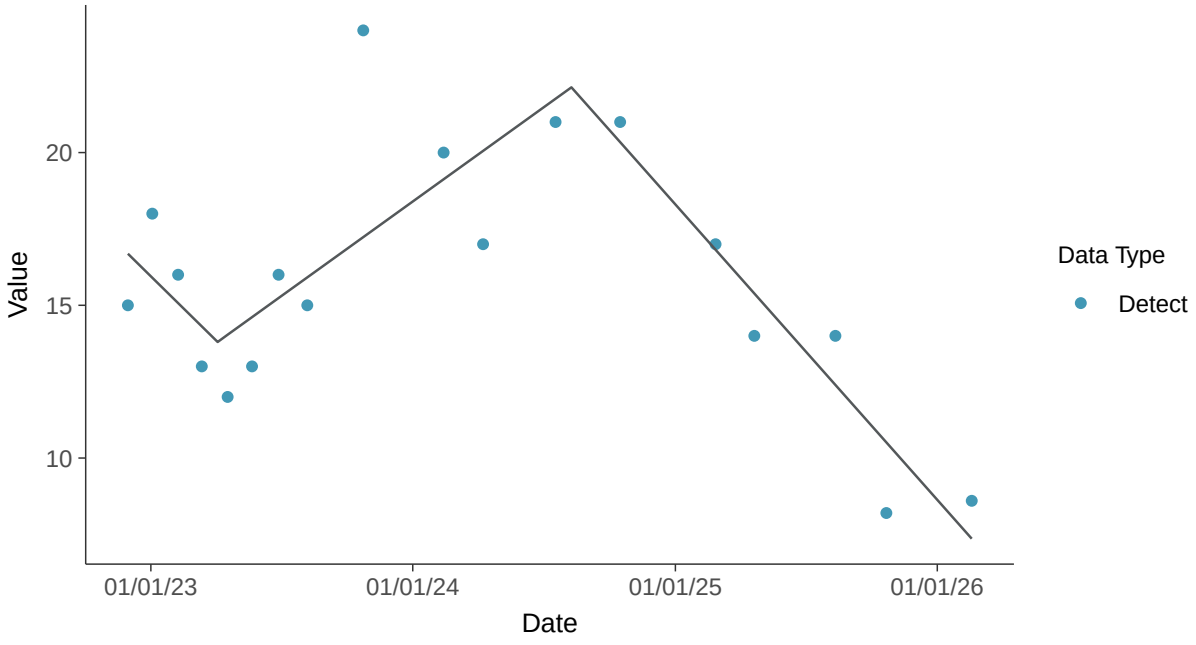
Trend Regression: Piecewise Linear-Linear

Iron, MW-19 (mg/L)



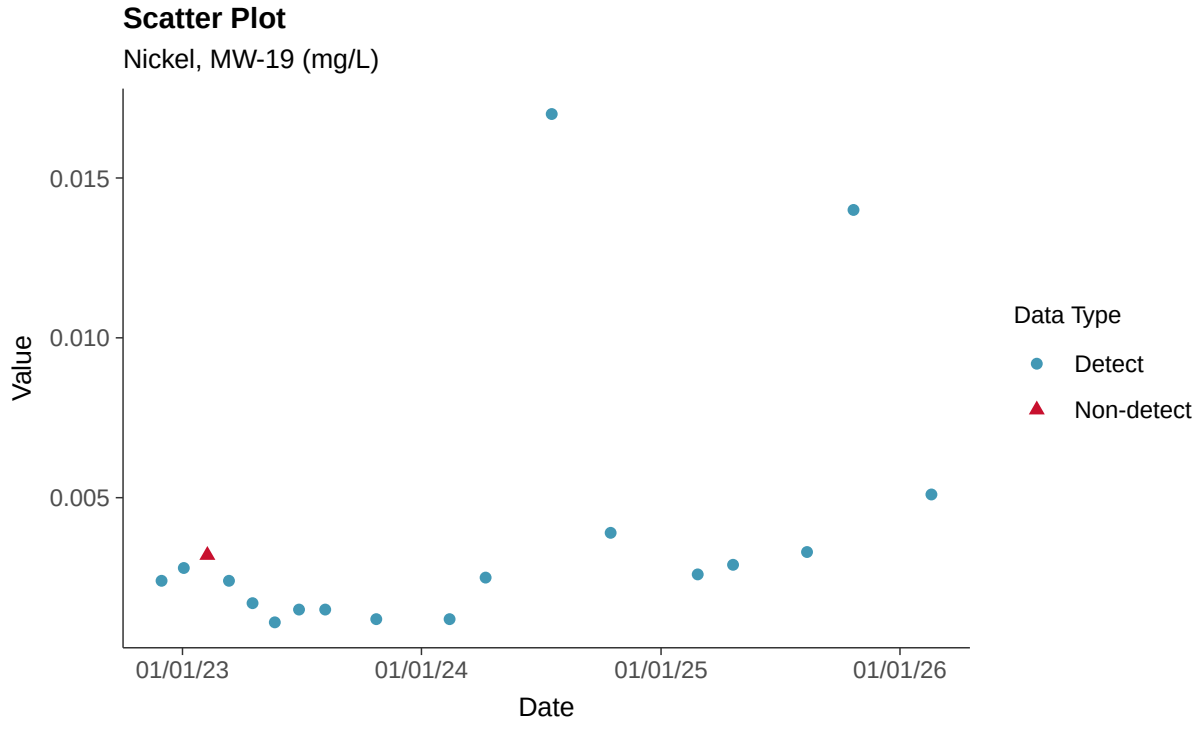
Trend Regression: Piecewise Linear-Linear-Linear

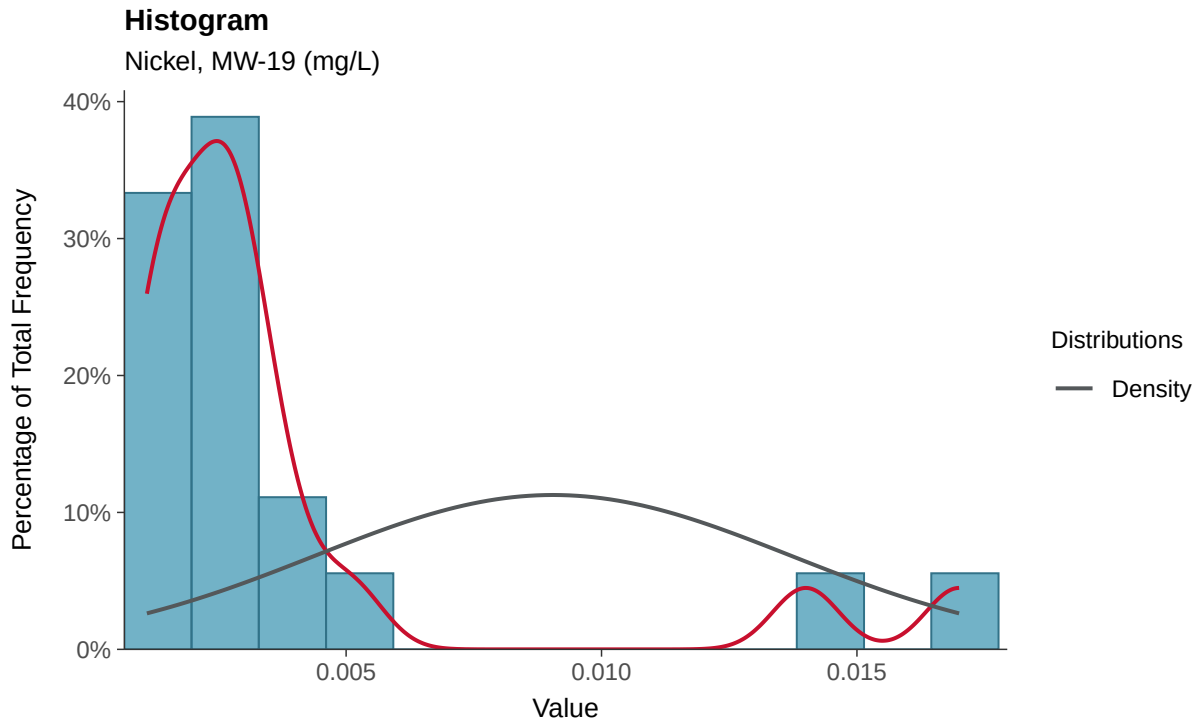
Iron, MW-19 (mg/L)



Part 115: Nickel, MW-19

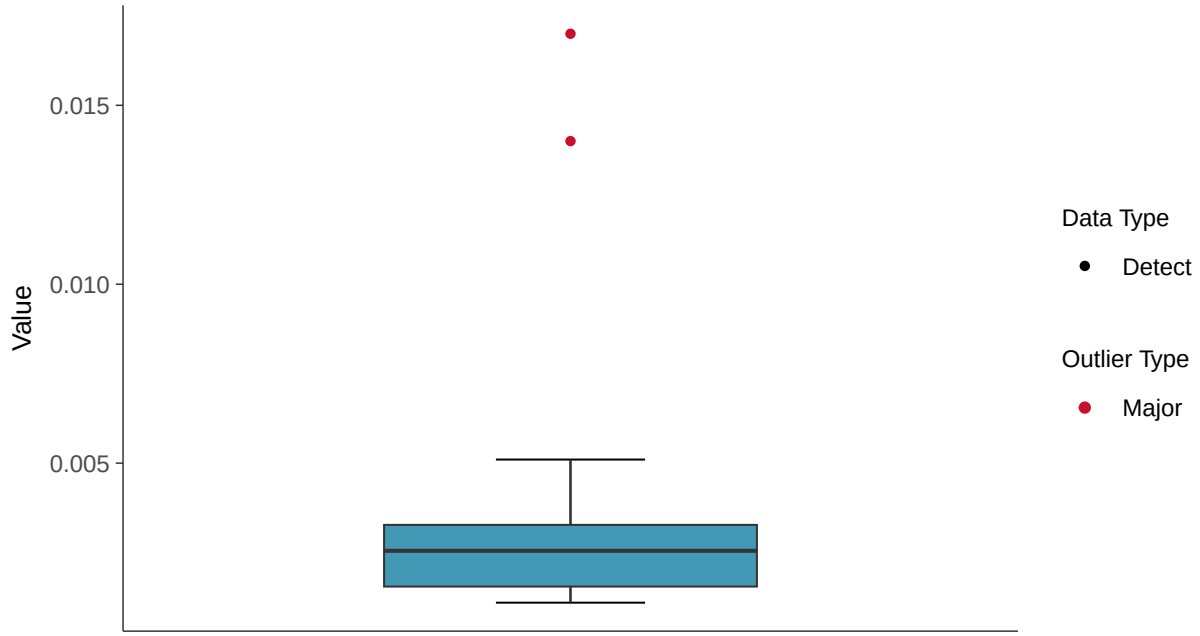
ID: 29_1_5_119





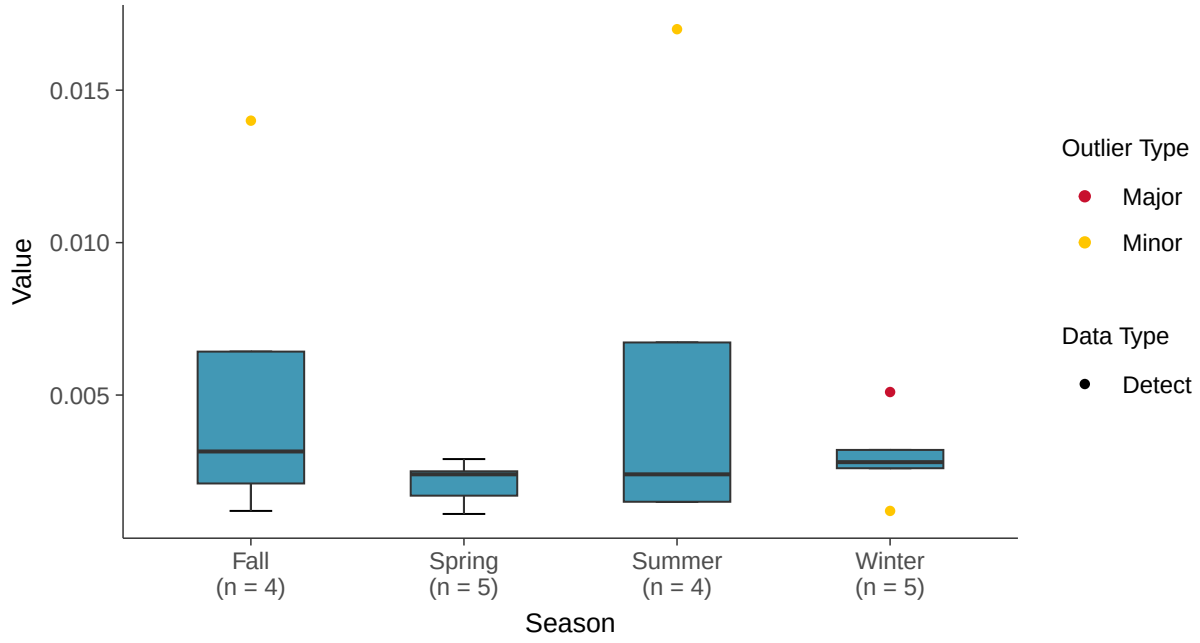
Boxplot

Nickel, MW-19 (mg/L)



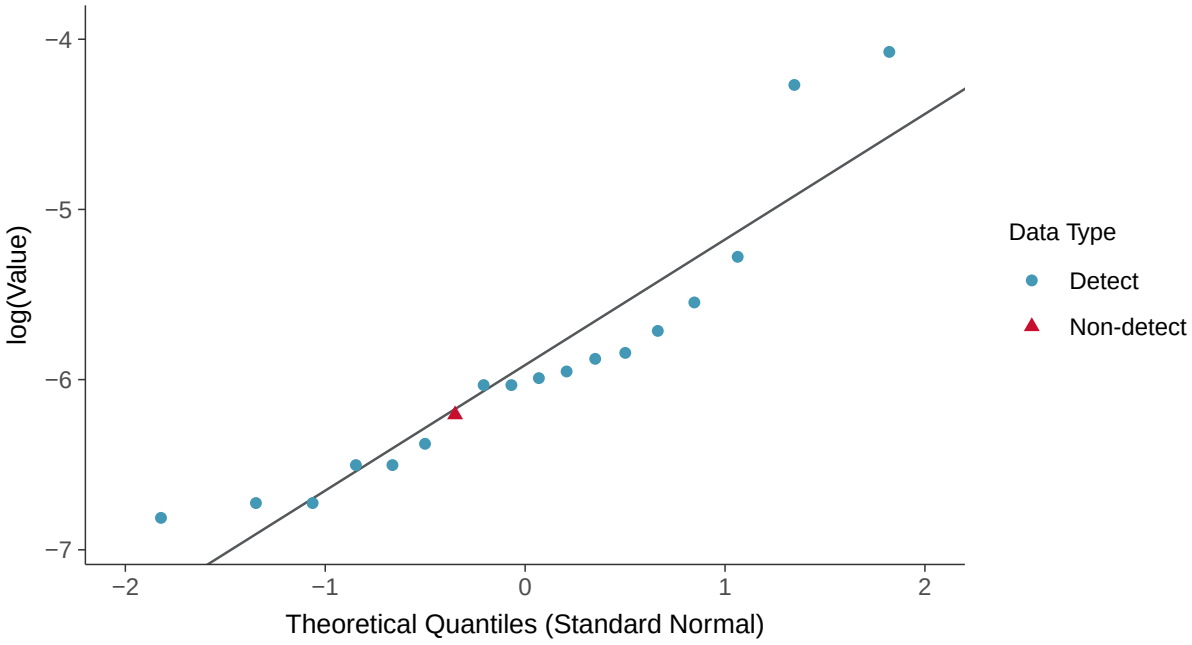
Boxplot by Season

Nickel, MW-19 (mg/L)



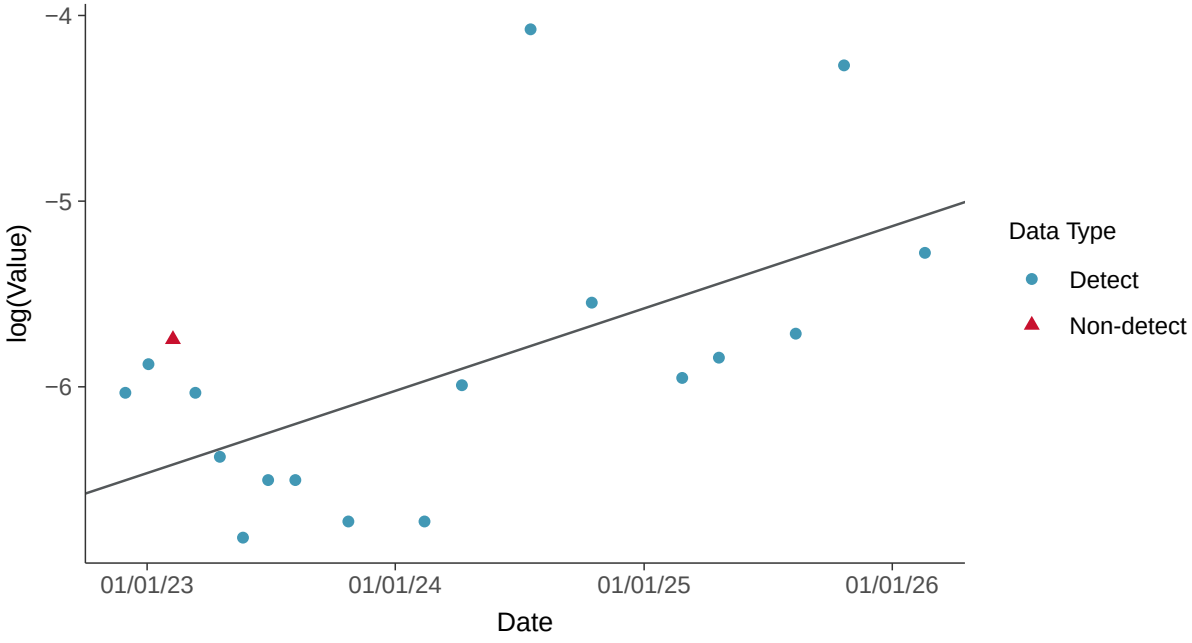
Lognormal Q-Q plot using ROS Imputed Estimates

Nickel, MW-19 (mg/L)



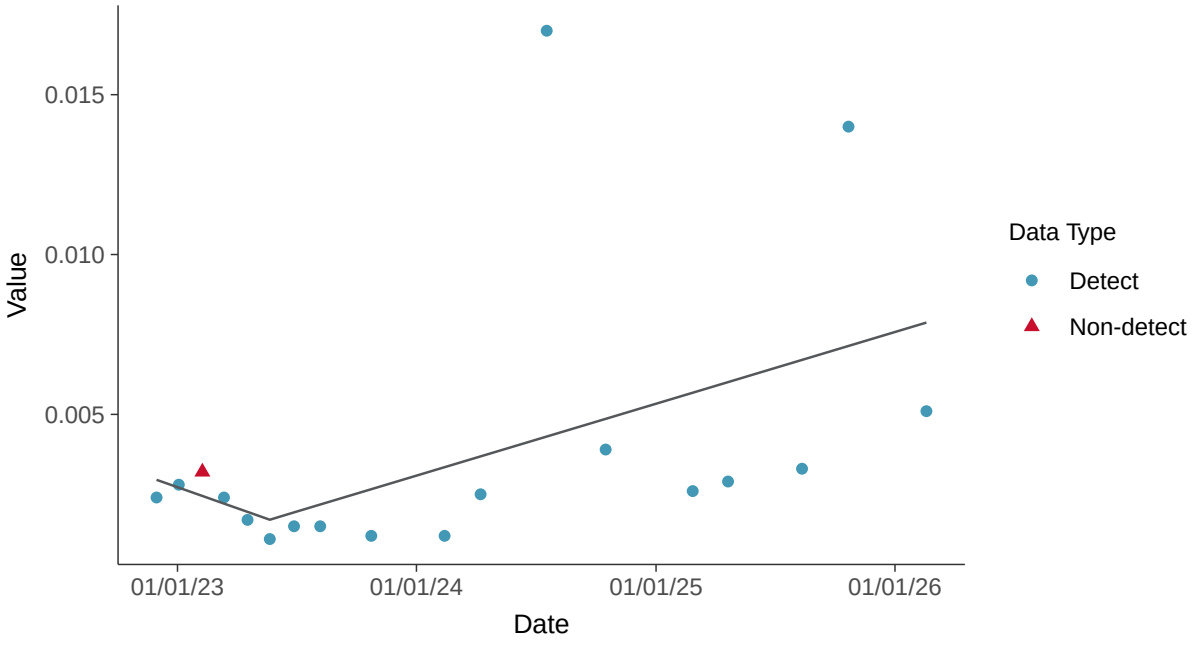
Trend Regression: Lognormal MLE

Nickel, MW-19 (mg/L)



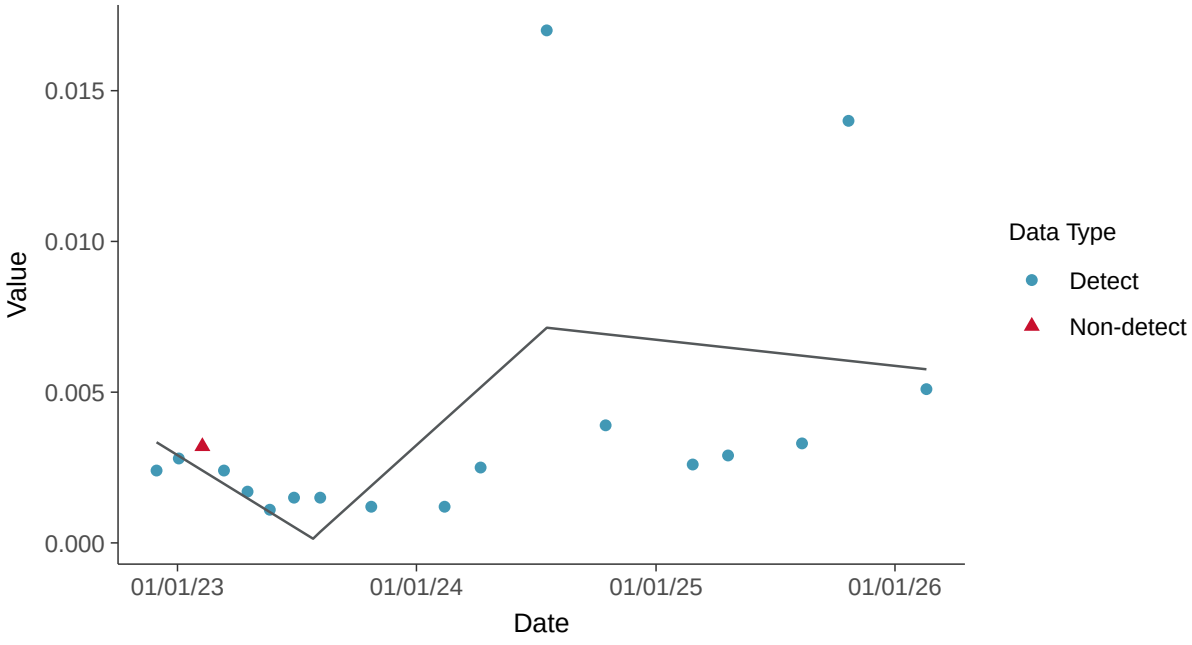
Trend Regression: Piecewise Linear-Linear

Nickel, MW-19 (mg/L)



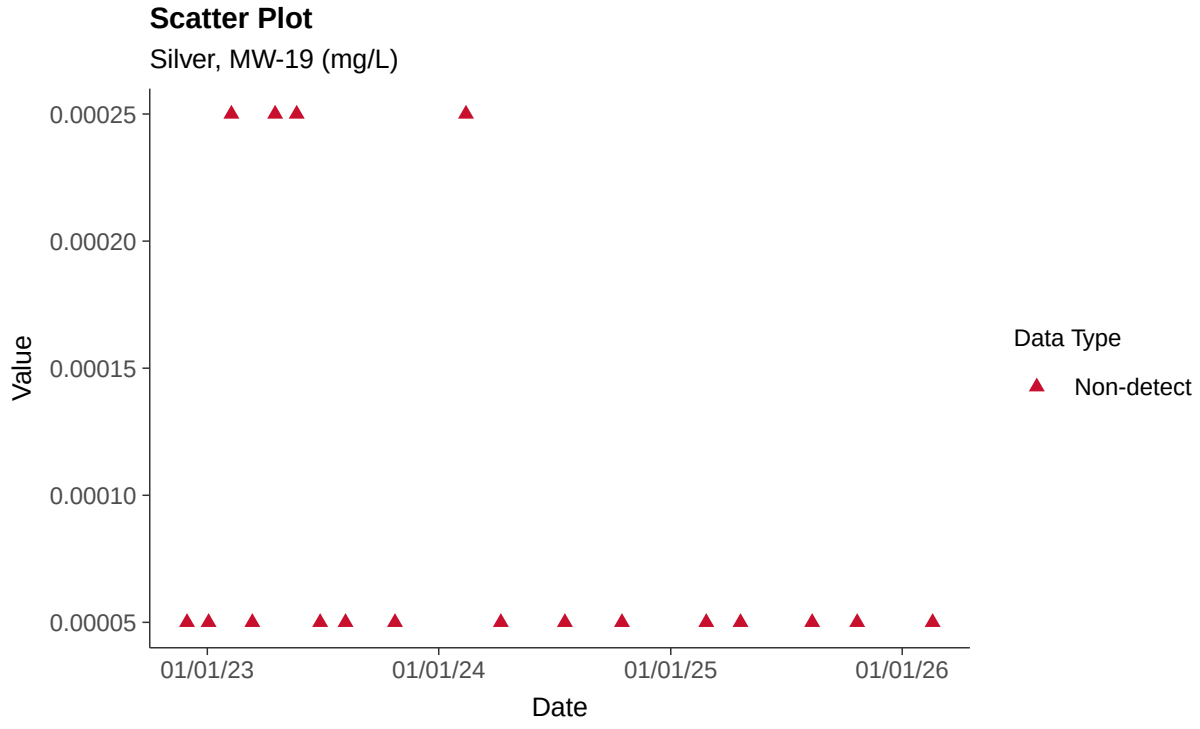
Trend Regression: Piecewise Linear-Linear-Linear

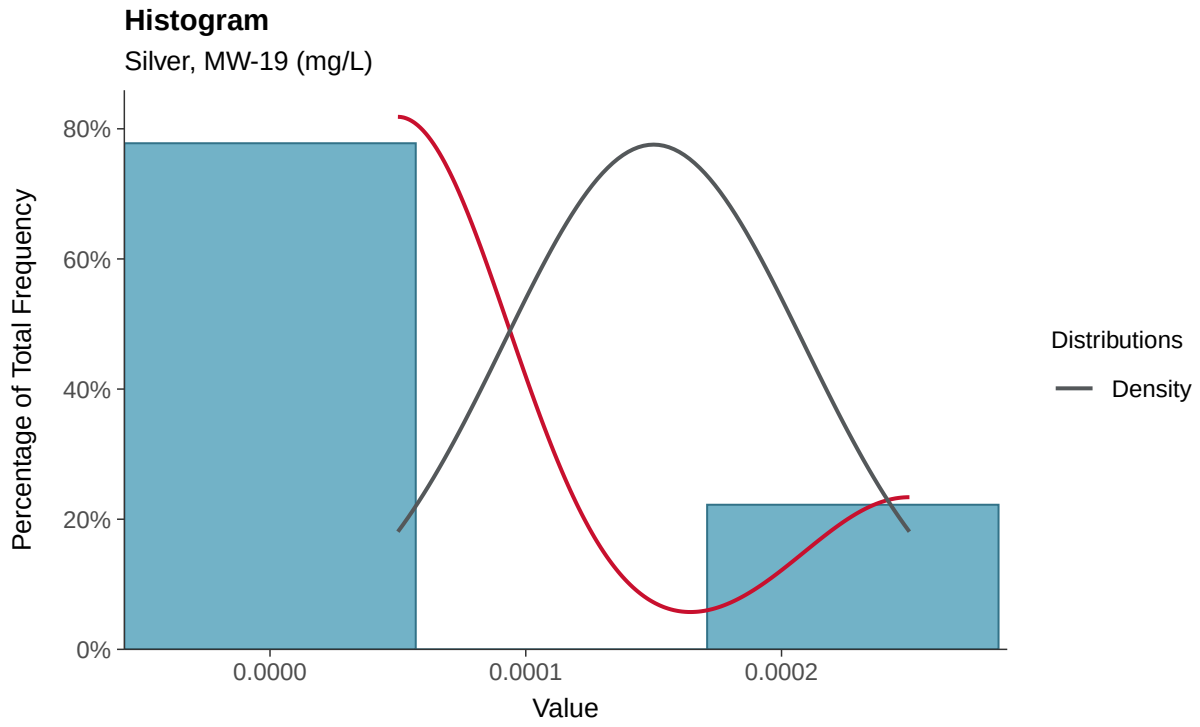
Nickel, MW-19 (mg/L)



Part 115: Silver, MW-19

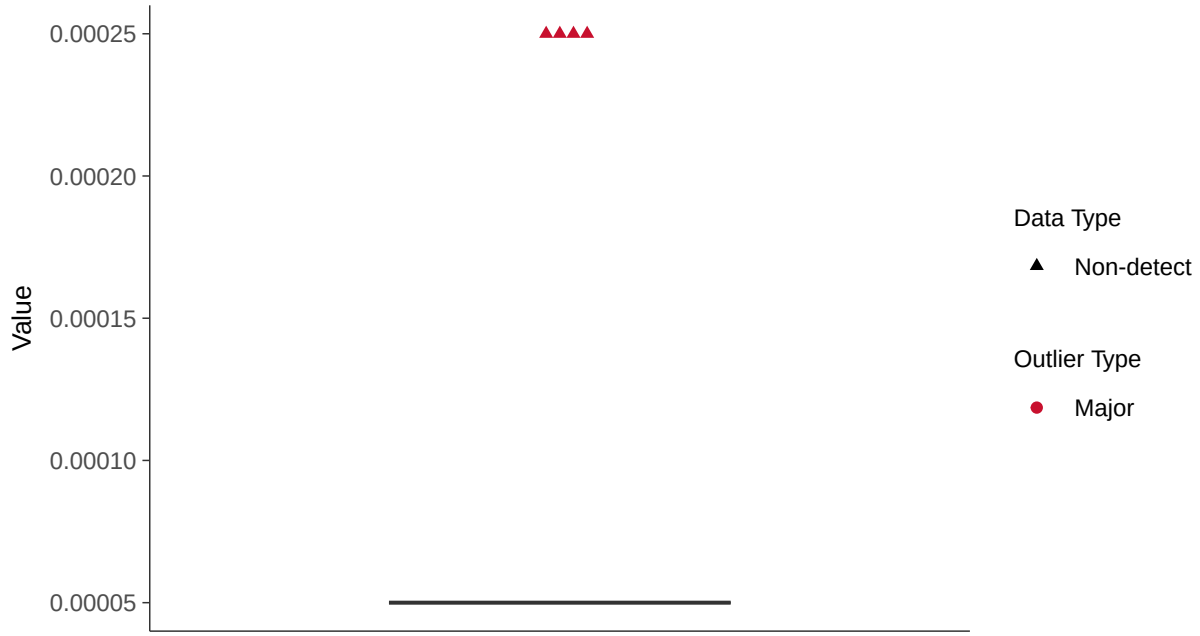
ID: 29_1_5_123





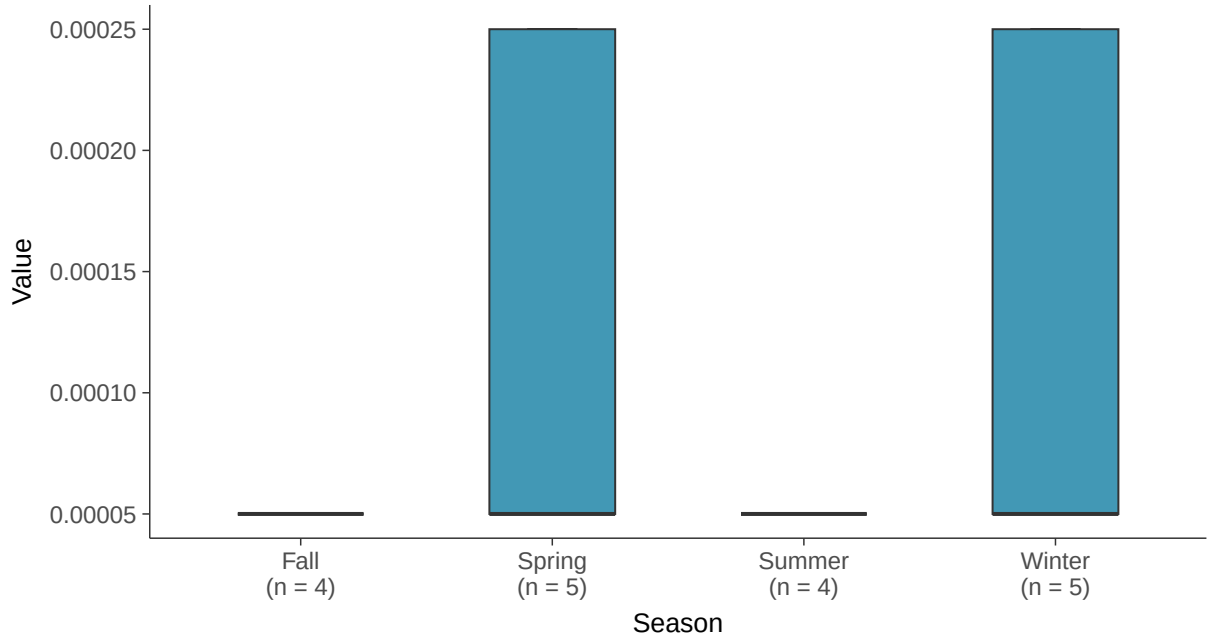
Boxplot

Silver, MW-19 (mg/L)



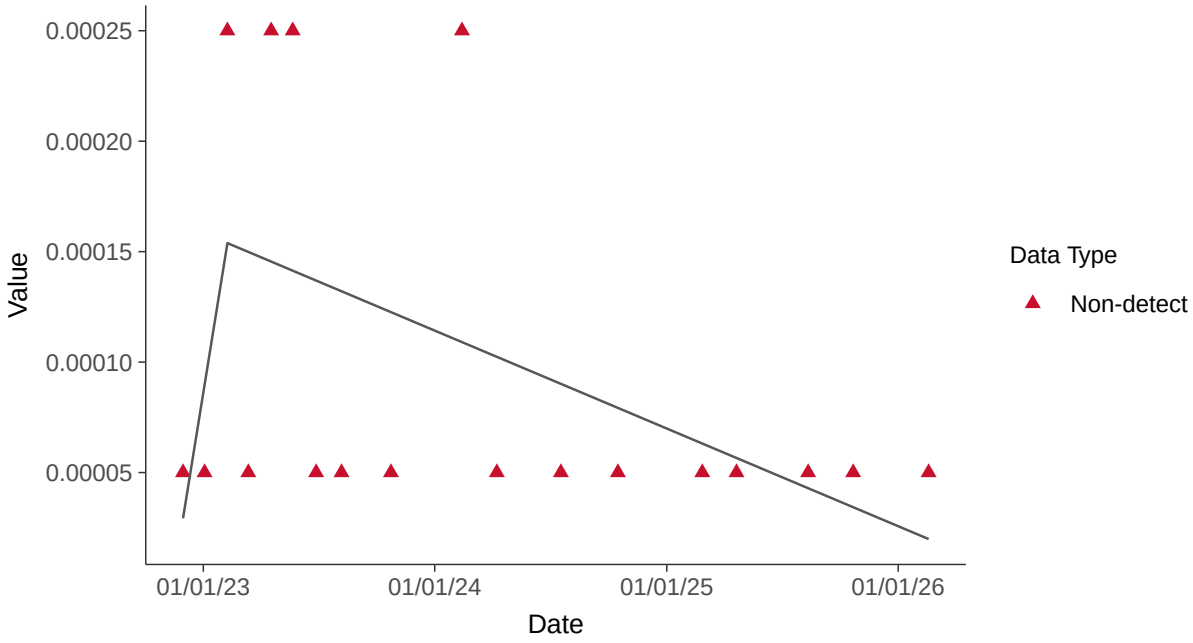
Boxplot by Season

Silver, MW-19 (mg/L)



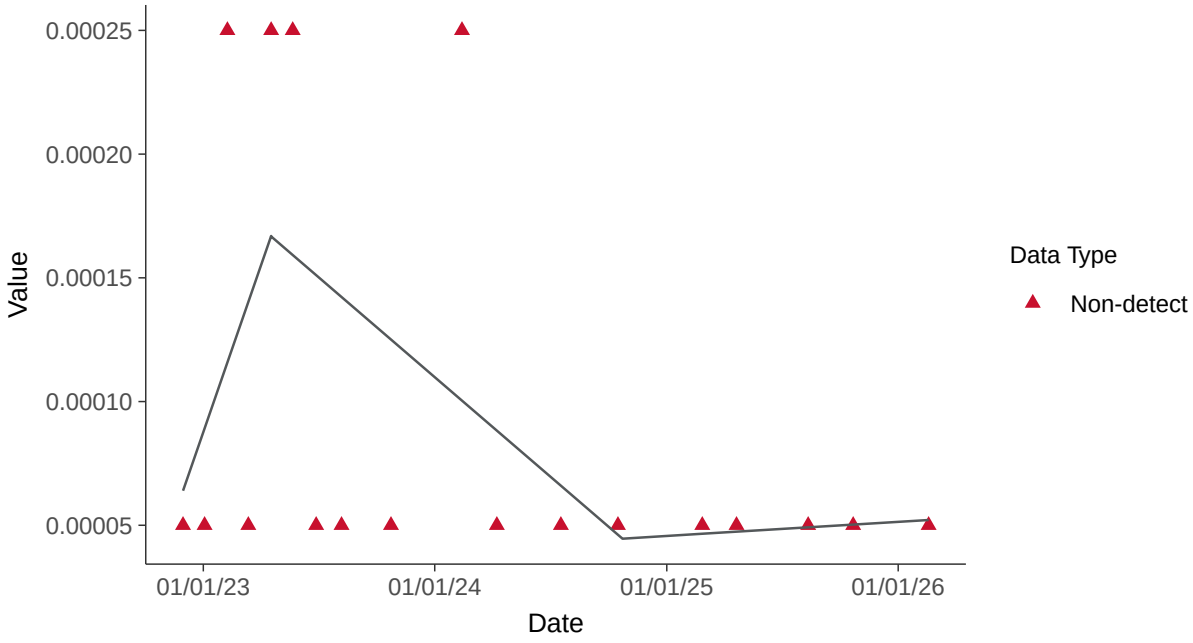
Trend Regression: Piecewise Linear-Linear

Silver, MW-19 (mg/L)



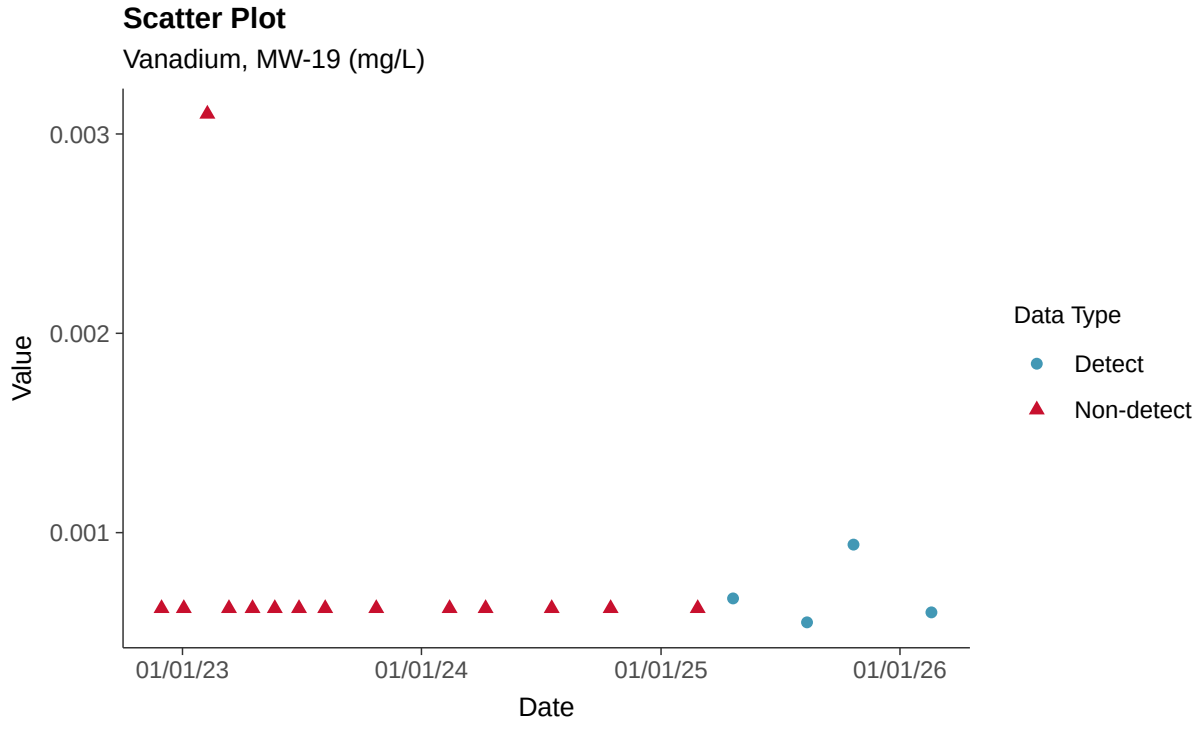
Trend Regression: Piecewise Linear-Linear-Linear

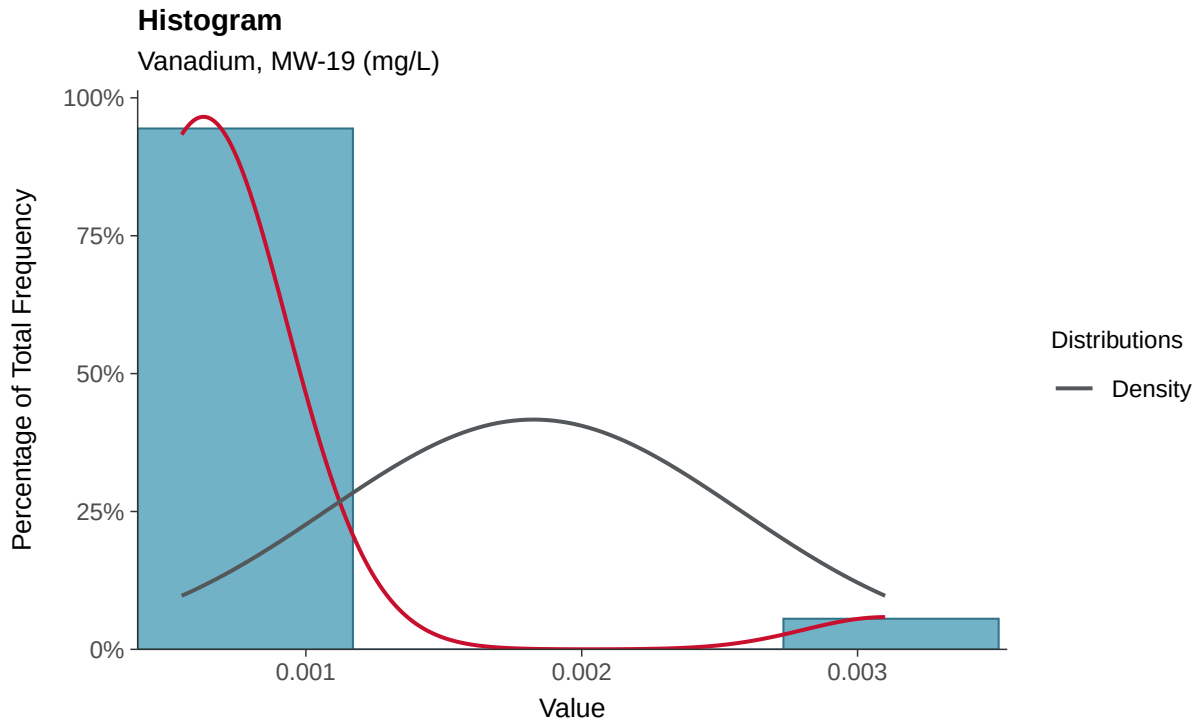
Silver, MW-19 (mg/L)



Part 115: Vanadium, MW-19

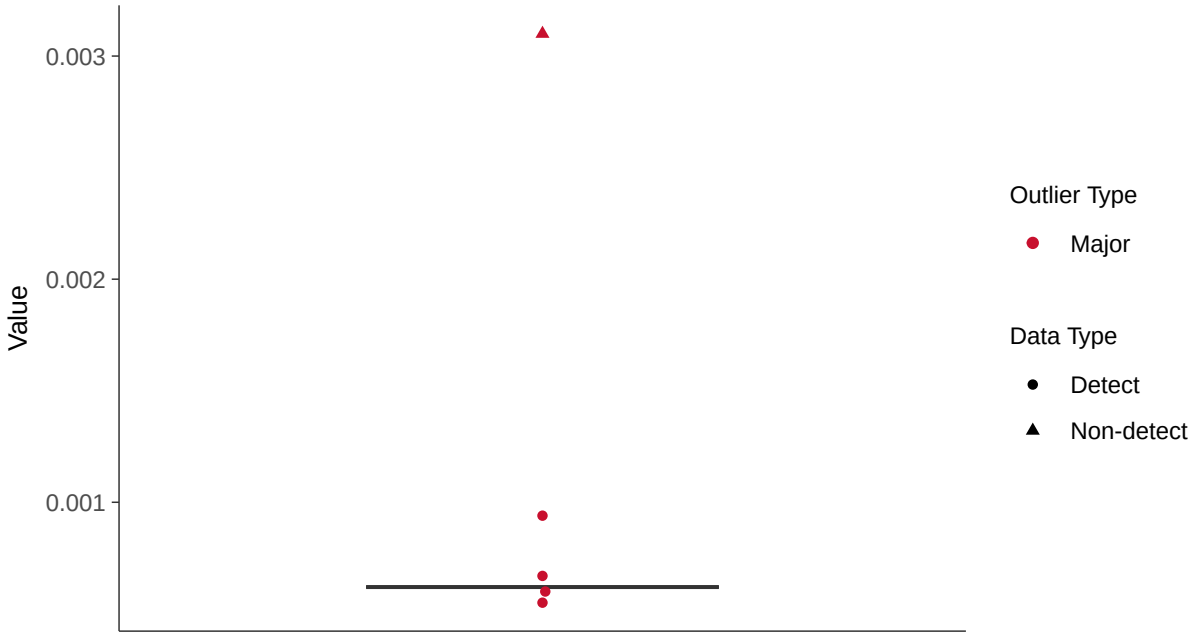
ID: 29_1_5_128





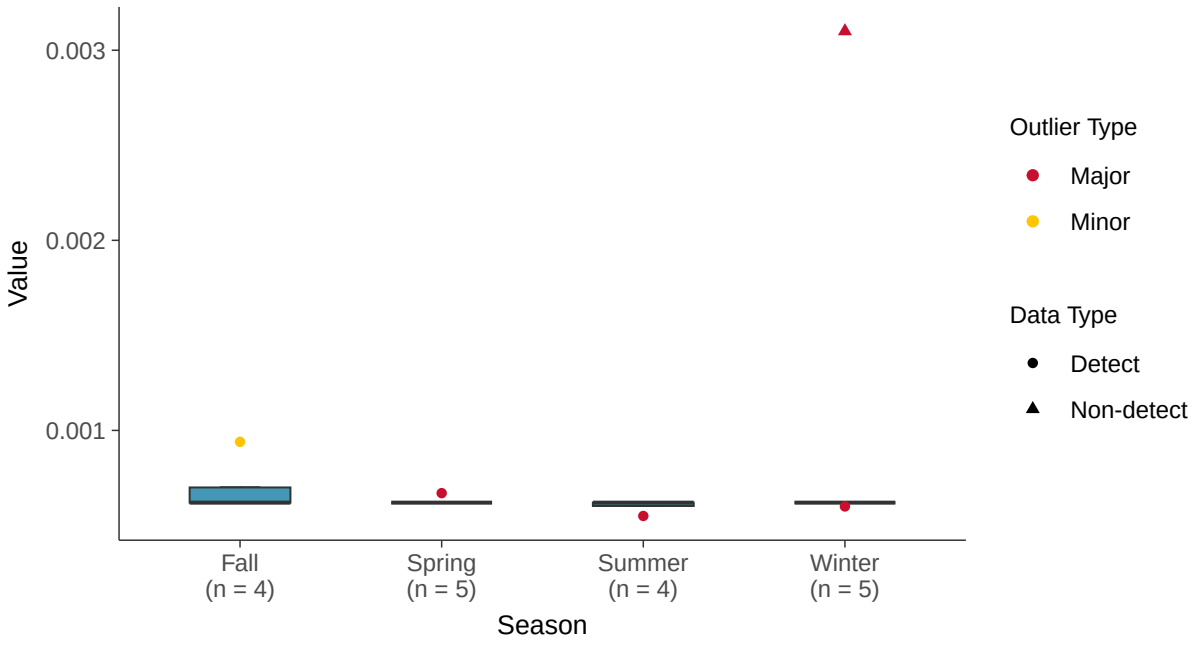
Boxplot

Vanadium, MW-19 (mg/L)



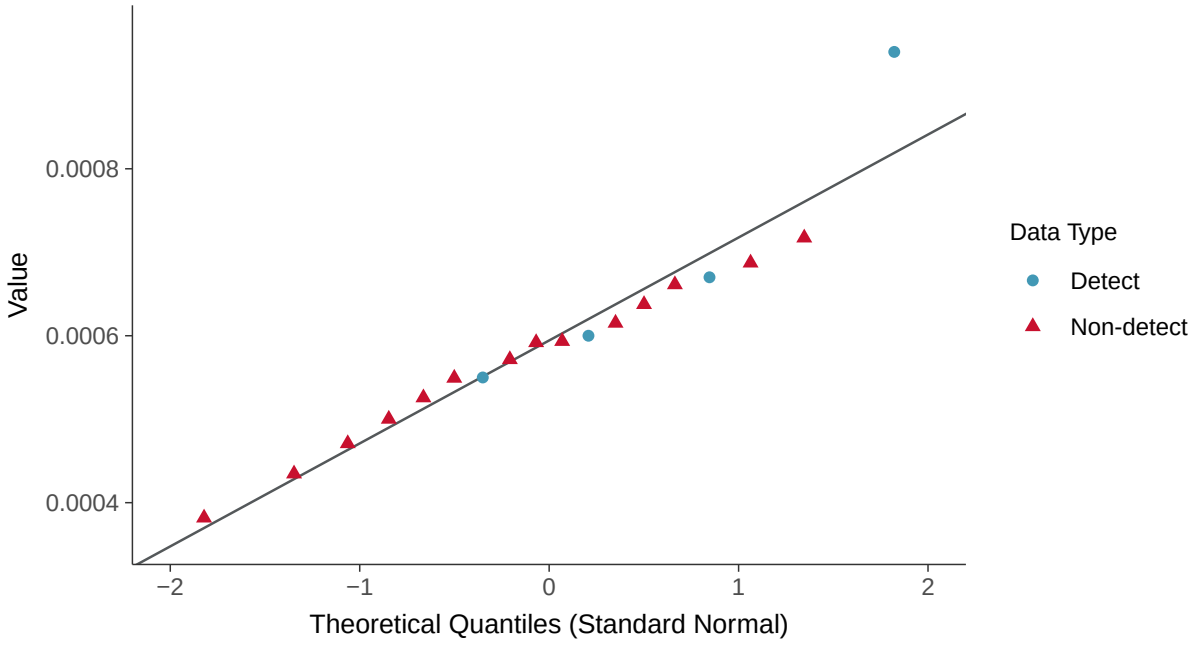
Boxplot by Season

Vanadium, MW-19 (mg/L)



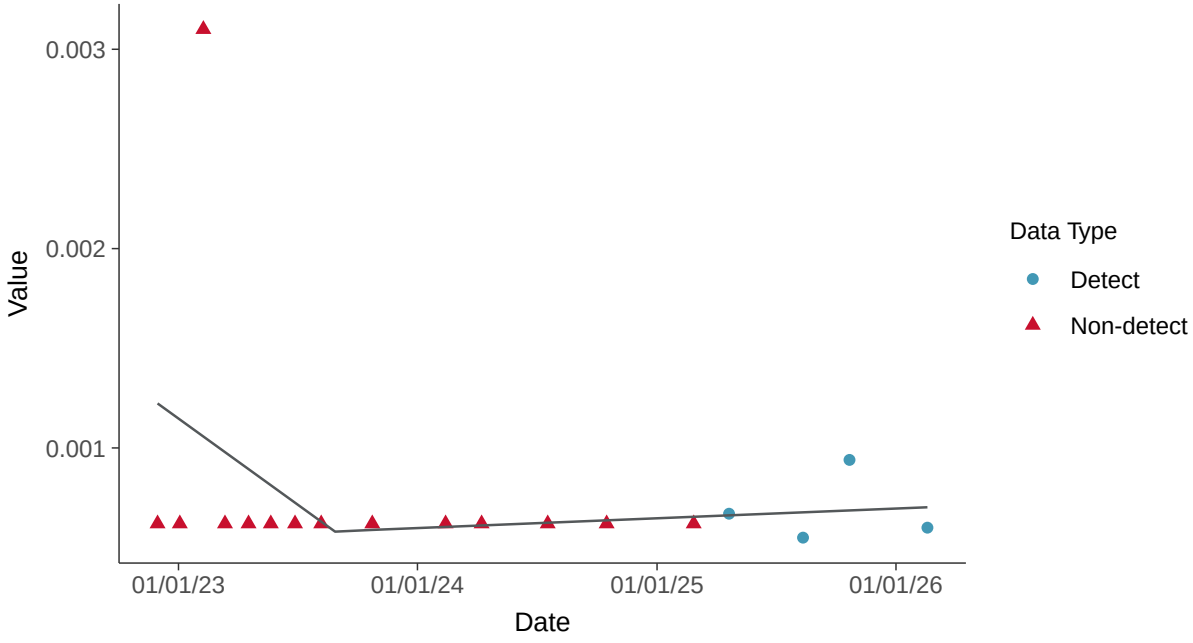
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-19 (mg/L)



Trend Regression: Piecewise Linear-Linear

Vanadium, MW-19 (mg/L)

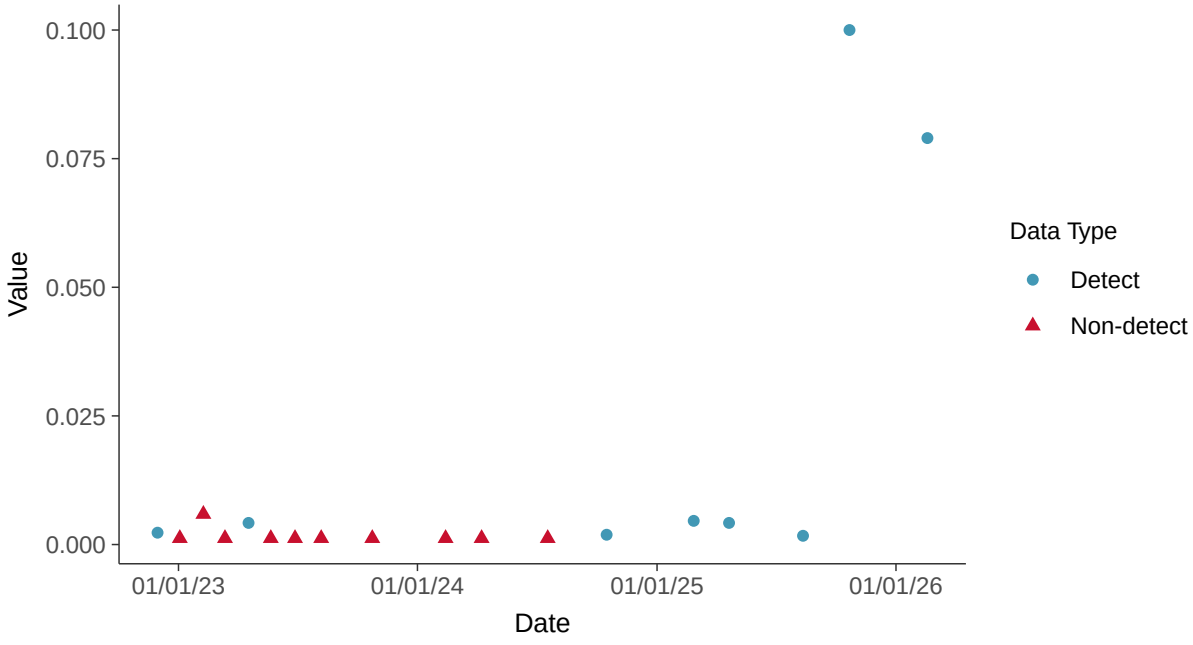


Part 115: Zinc, MW-19

ID: 29_1_5_129

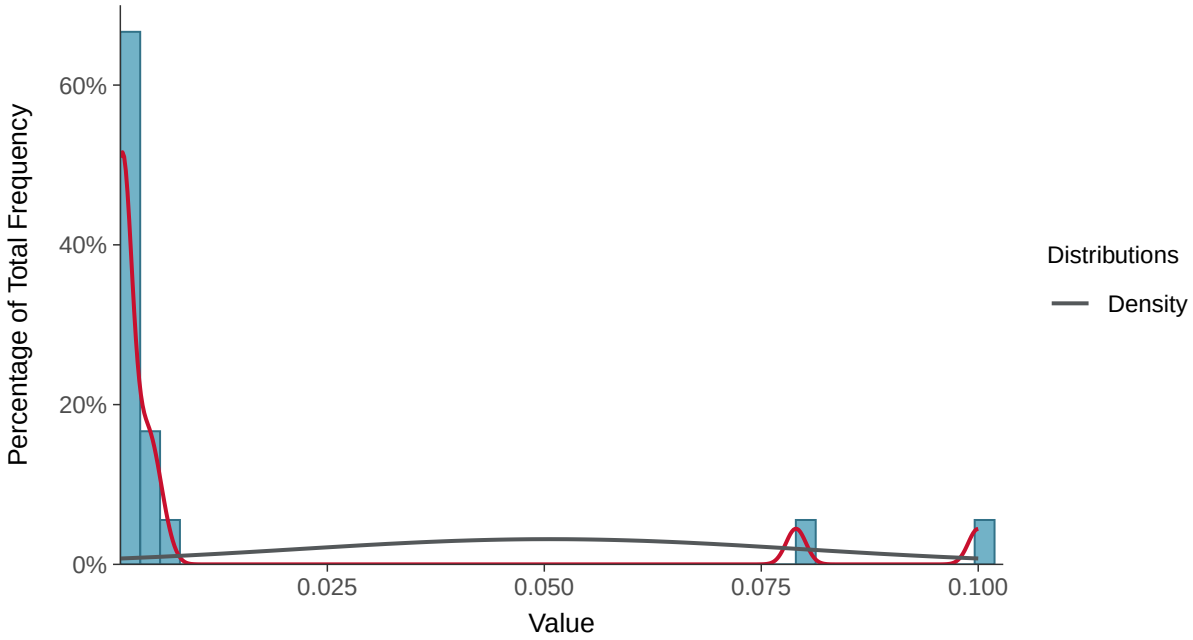
Scatter Plot

Zinc, MW-19 (mg/L)



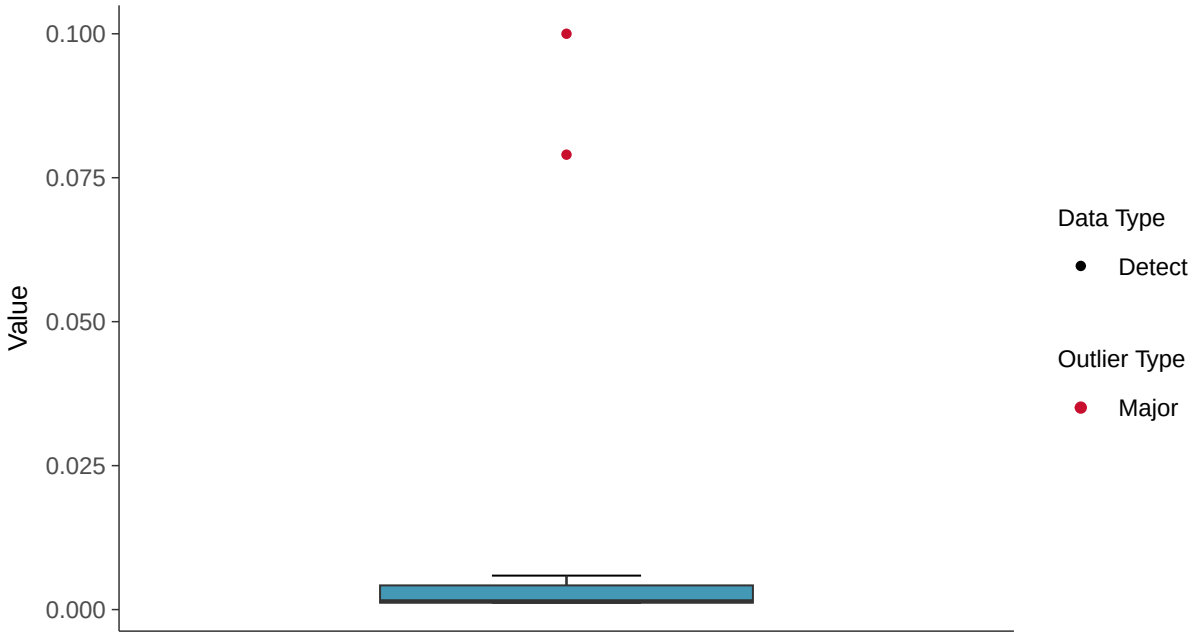
Histogram

Zinc, MW-19 (mg/L)



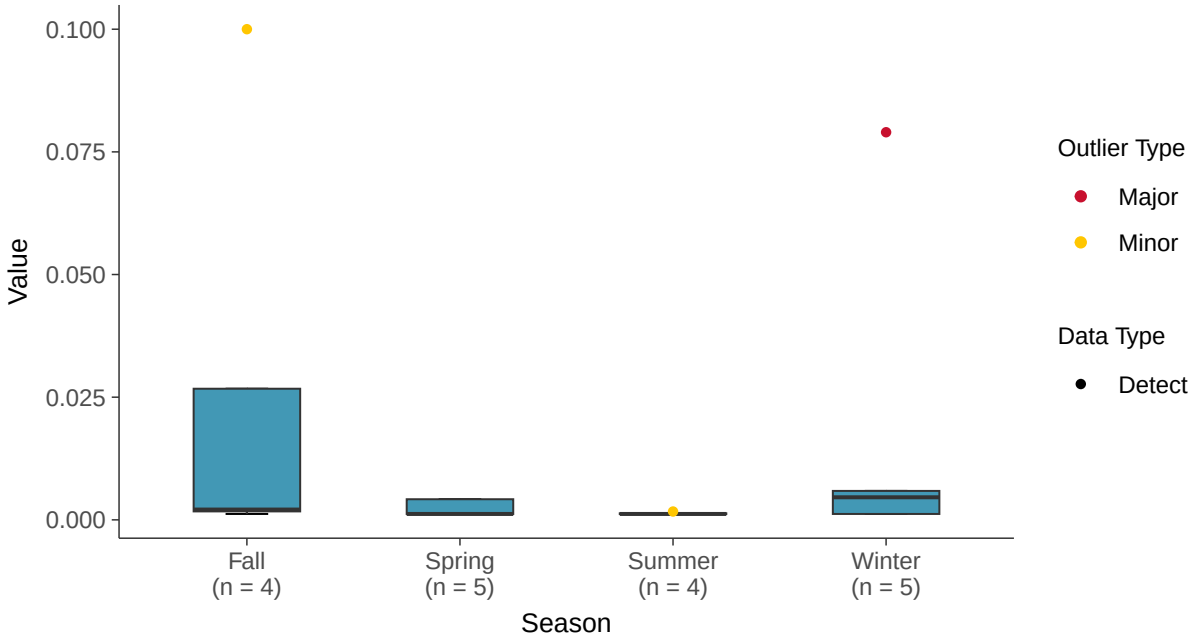
Boxplot

Zinc, MW-19 (mg/L)



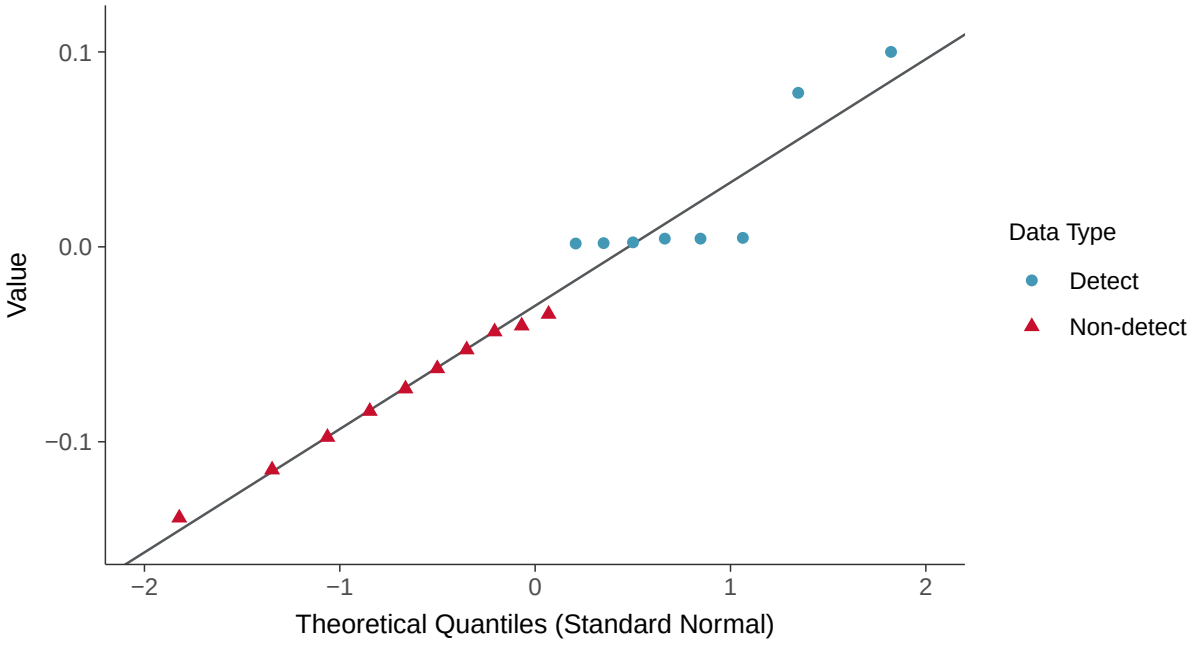
Boxplot by Season

Zinc, MW-19 (mg/L)



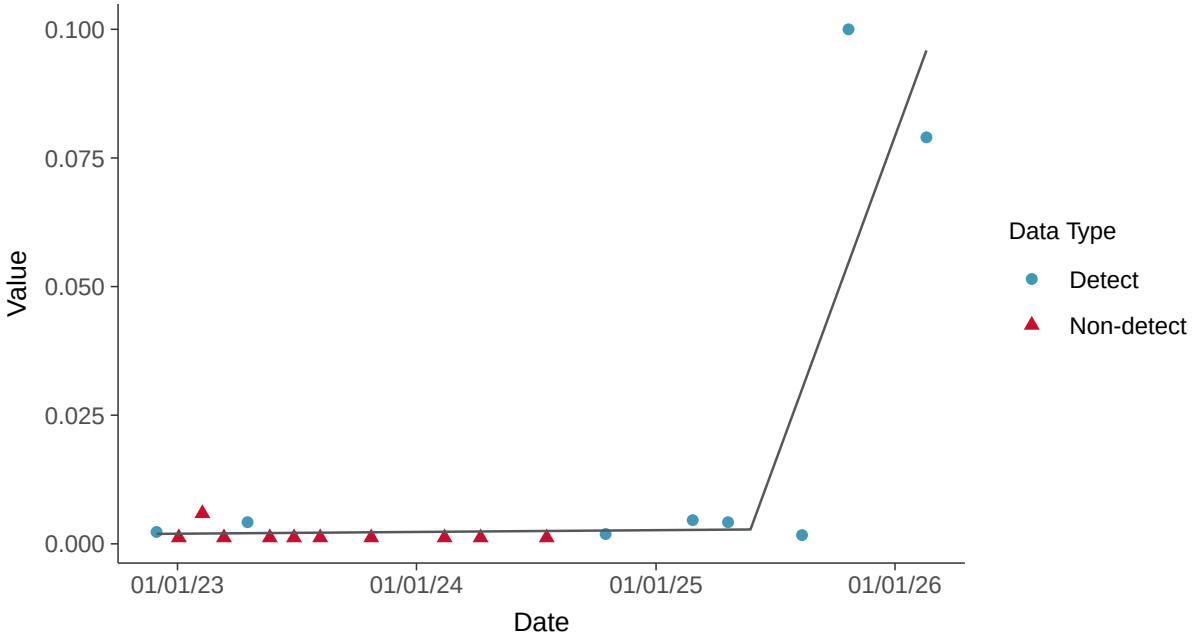
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-19 (mg/L)



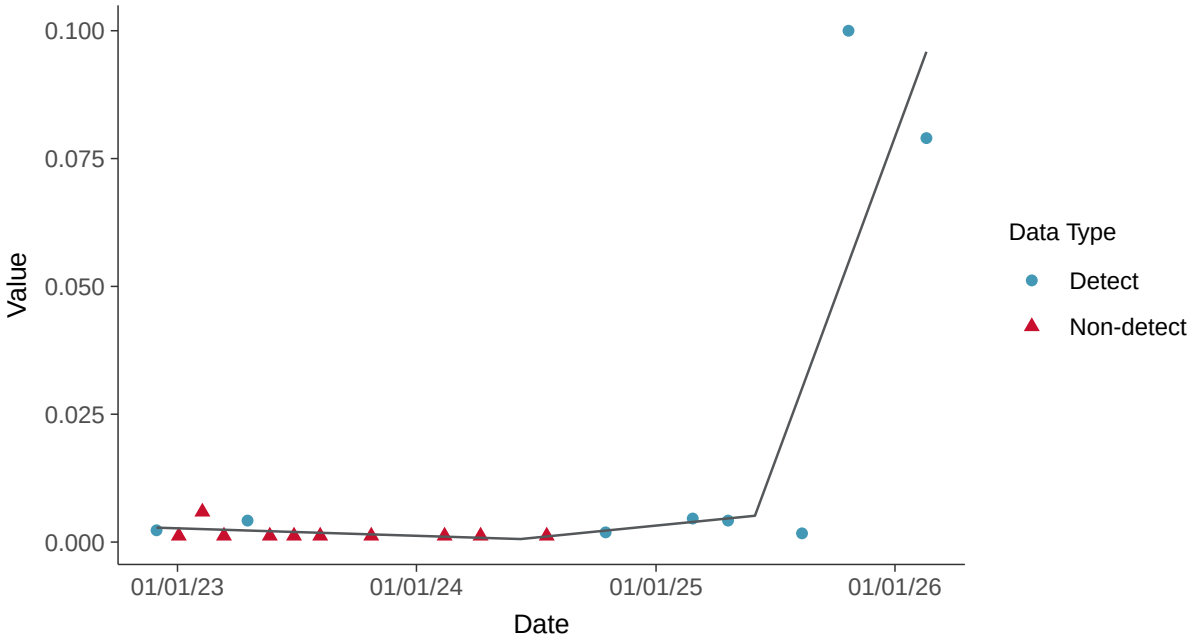
Trend Regression: Piecewise Linear-Linear

Zinc, MW-19 (mg/L)



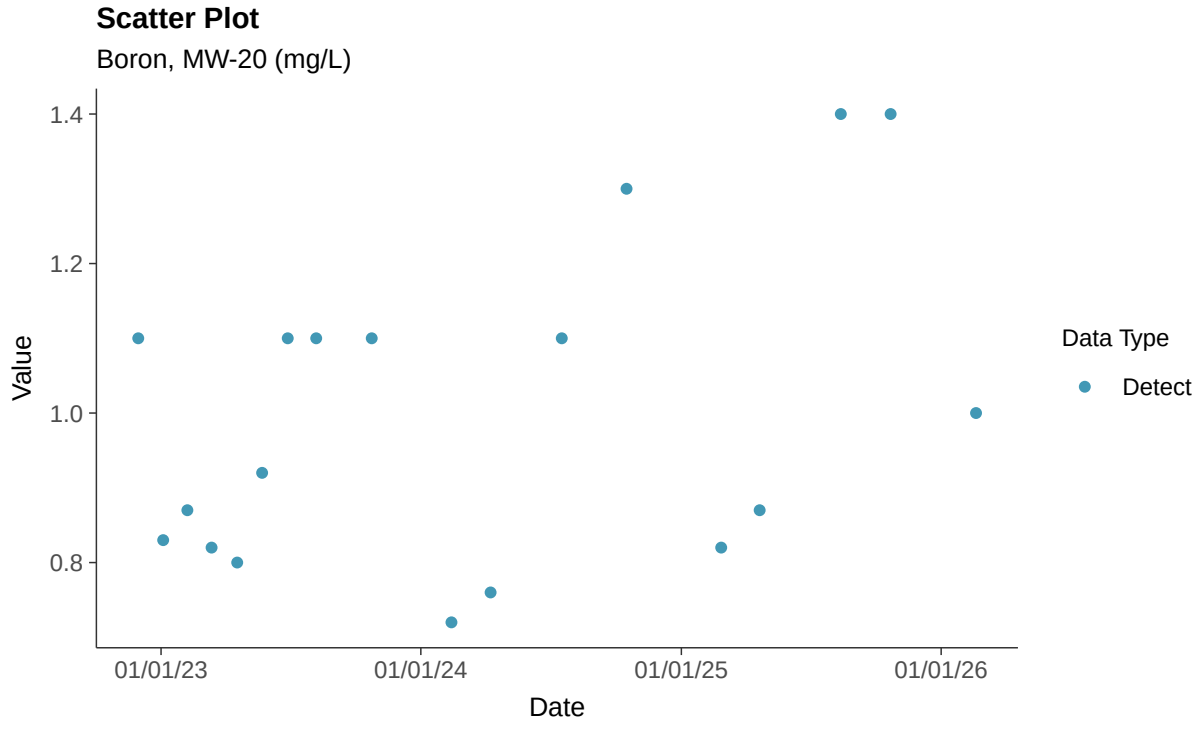
Trend Regression: Piecewise Linear-Linear-Linear

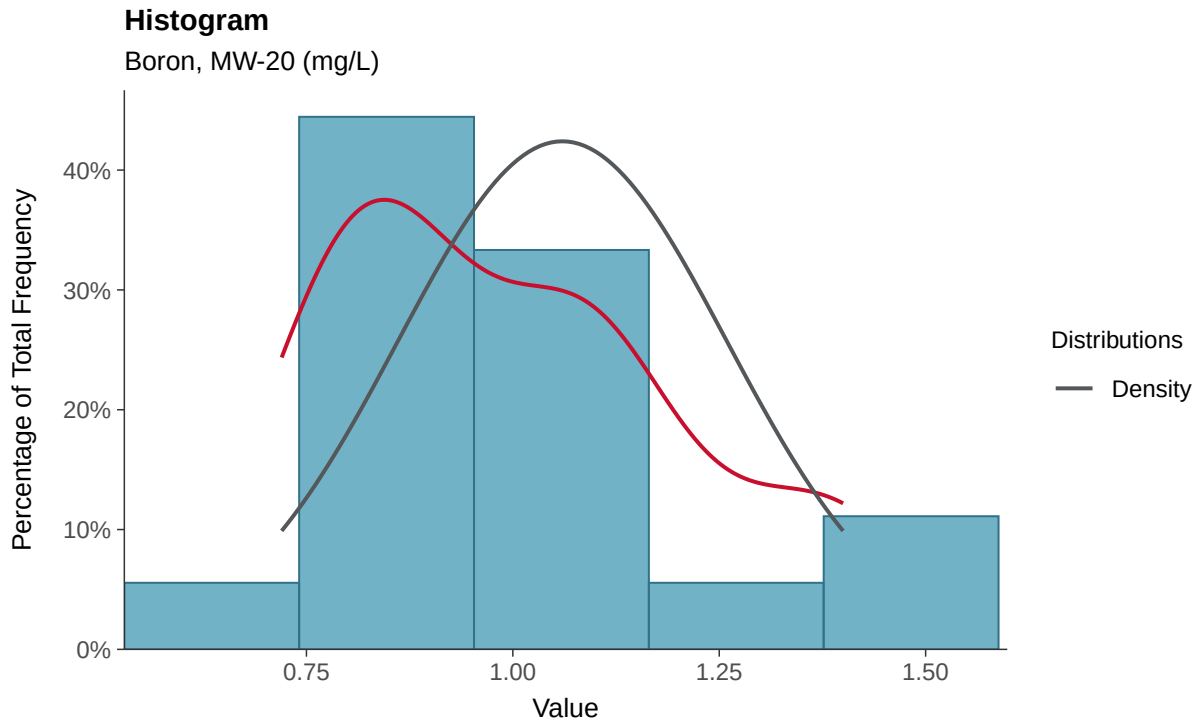
Zinc, MW-19 (mg/L)



Appendix III: Boron, MW-20

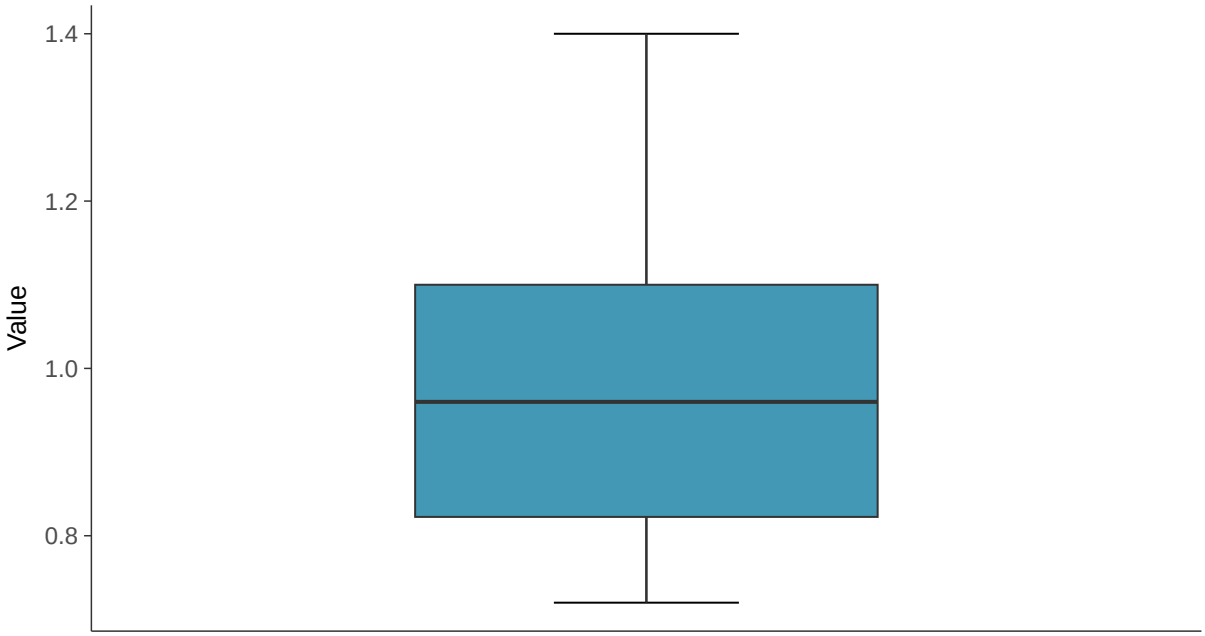
ID: 30_1_3_105





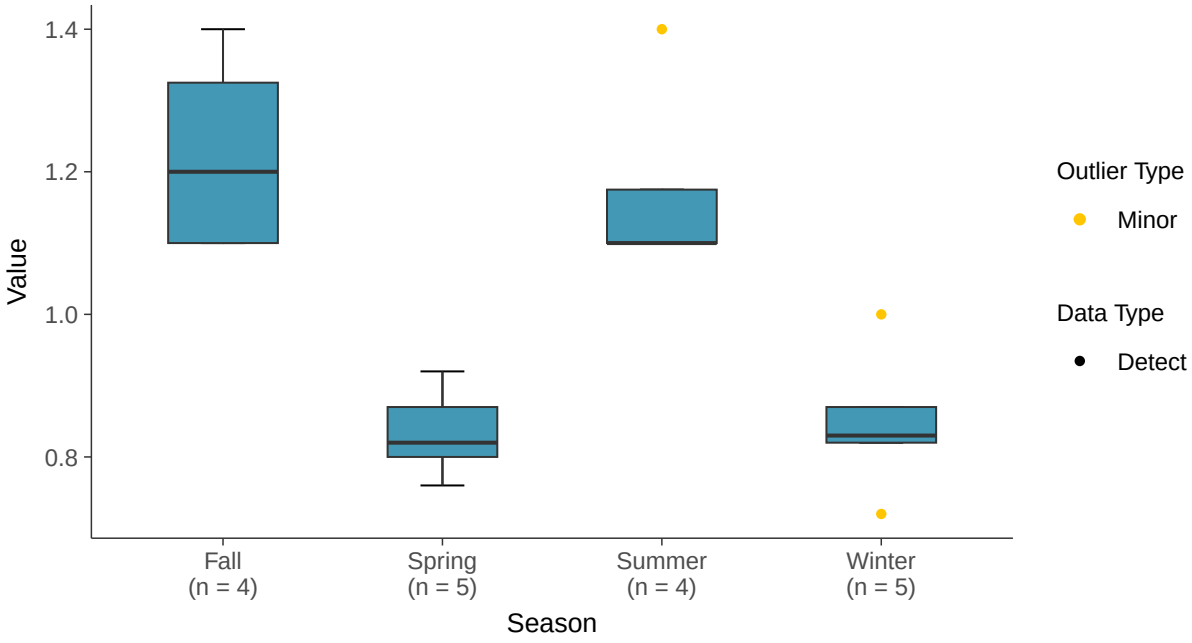
Boxplot

Boron, MW-20 (mg/L)



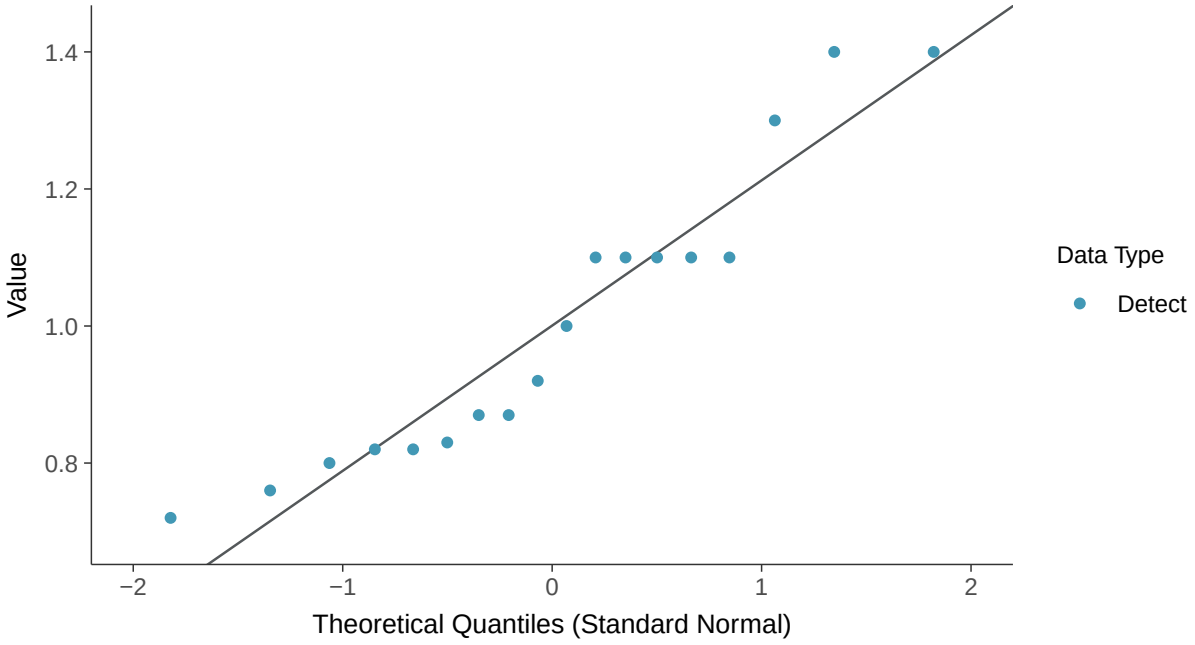
Boxplot by Season

Boron, MW-20 (mg/L)



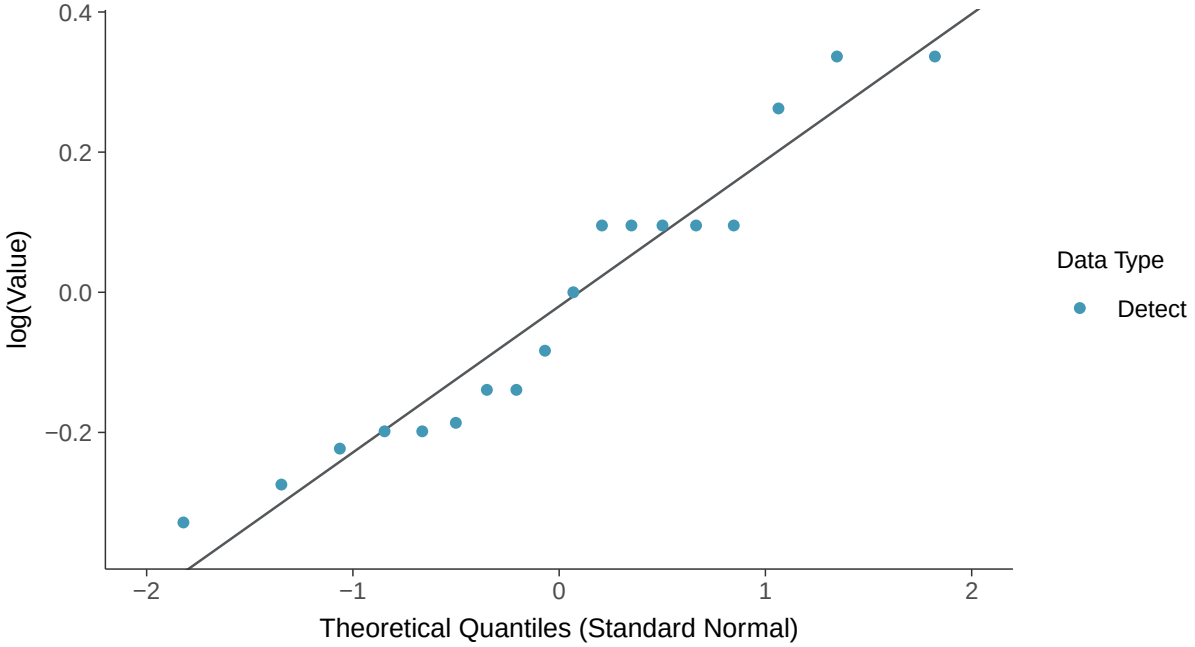
Normal Q-Q plot

Boron, MW-20 (mg/L)



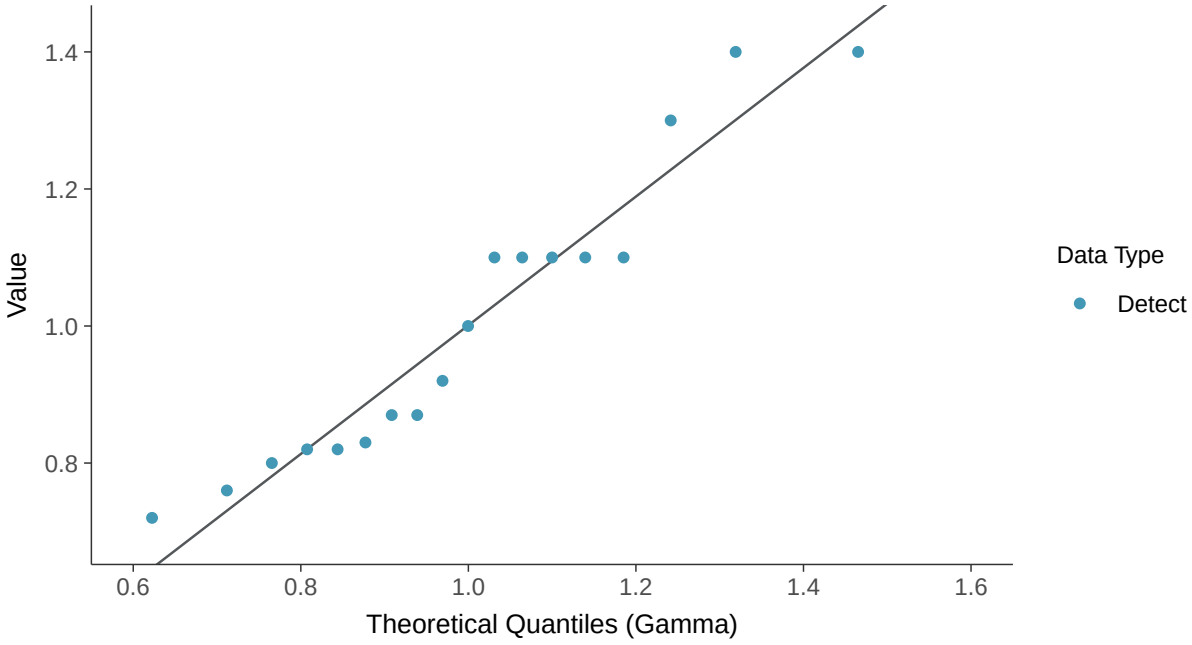
Lognormal Q-Q plot

Boron, MW-20 (mg/L)



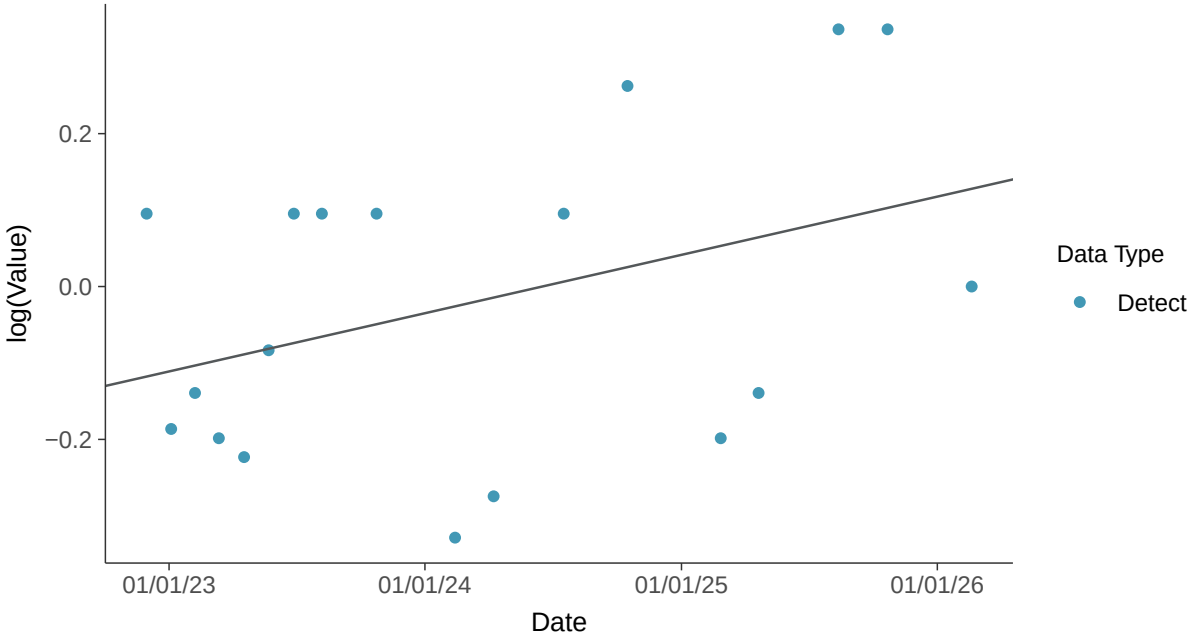
Gamma Q-Q plot

Boron, MW-20 (mg/L)



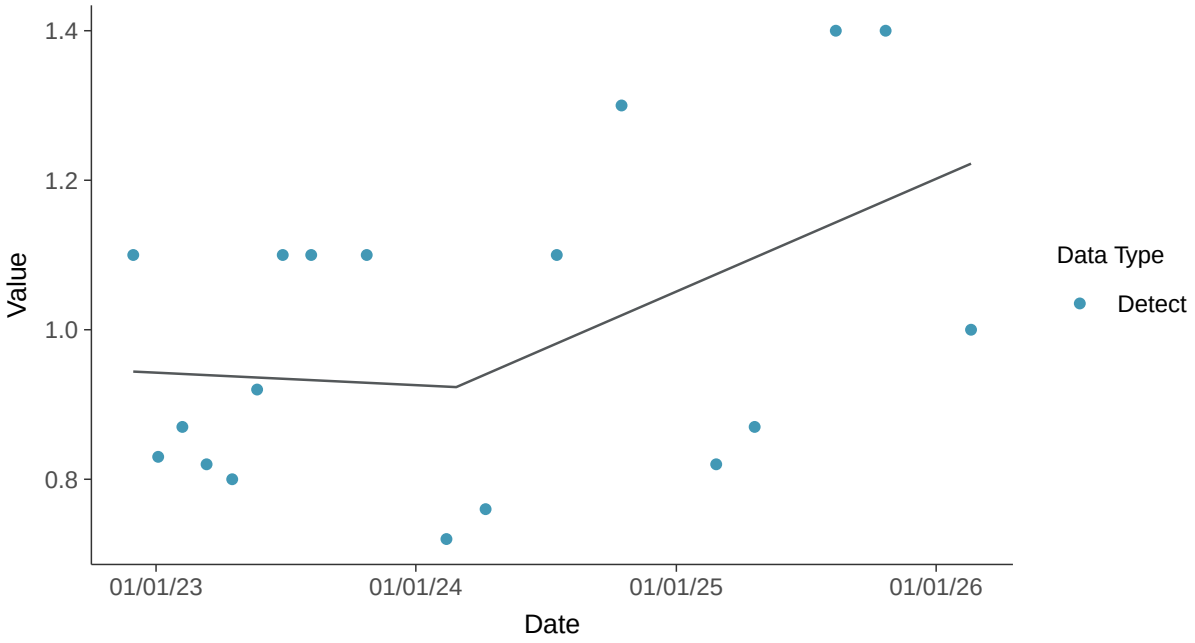
Trend Regression: Lognormal MLE

Boron, MW-20 (mg/L)



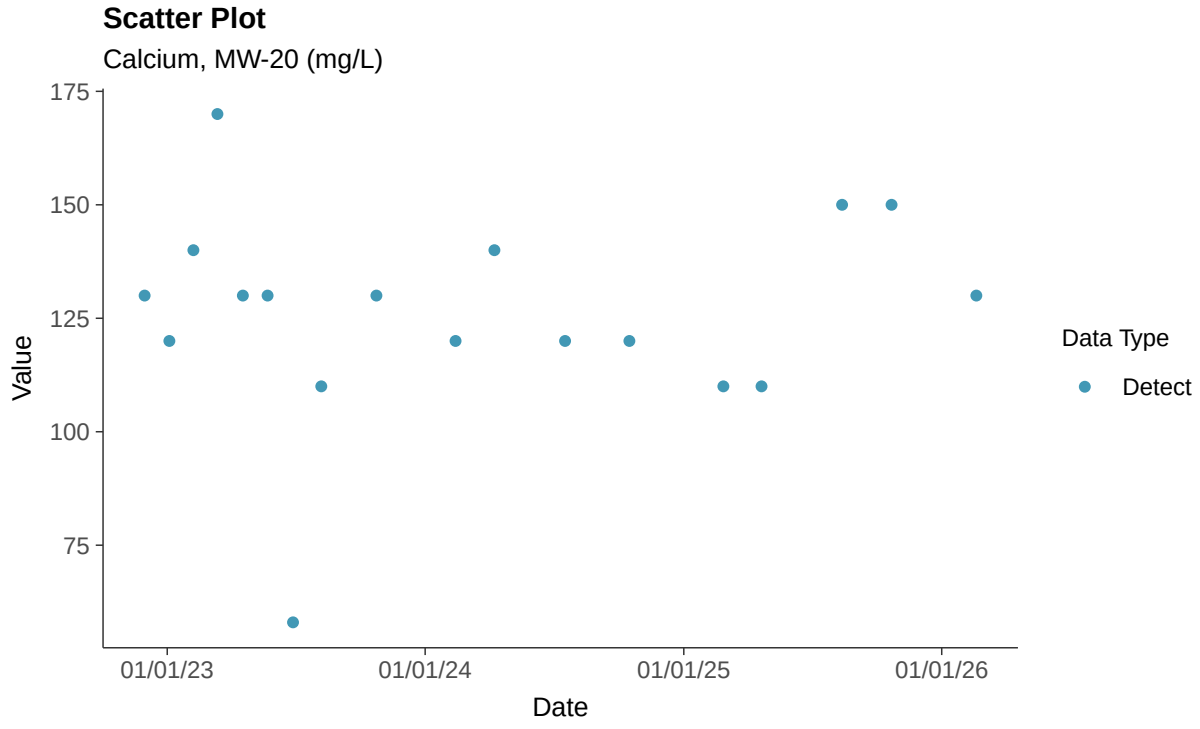
Trend Regression: Piecewise Linear-Linear

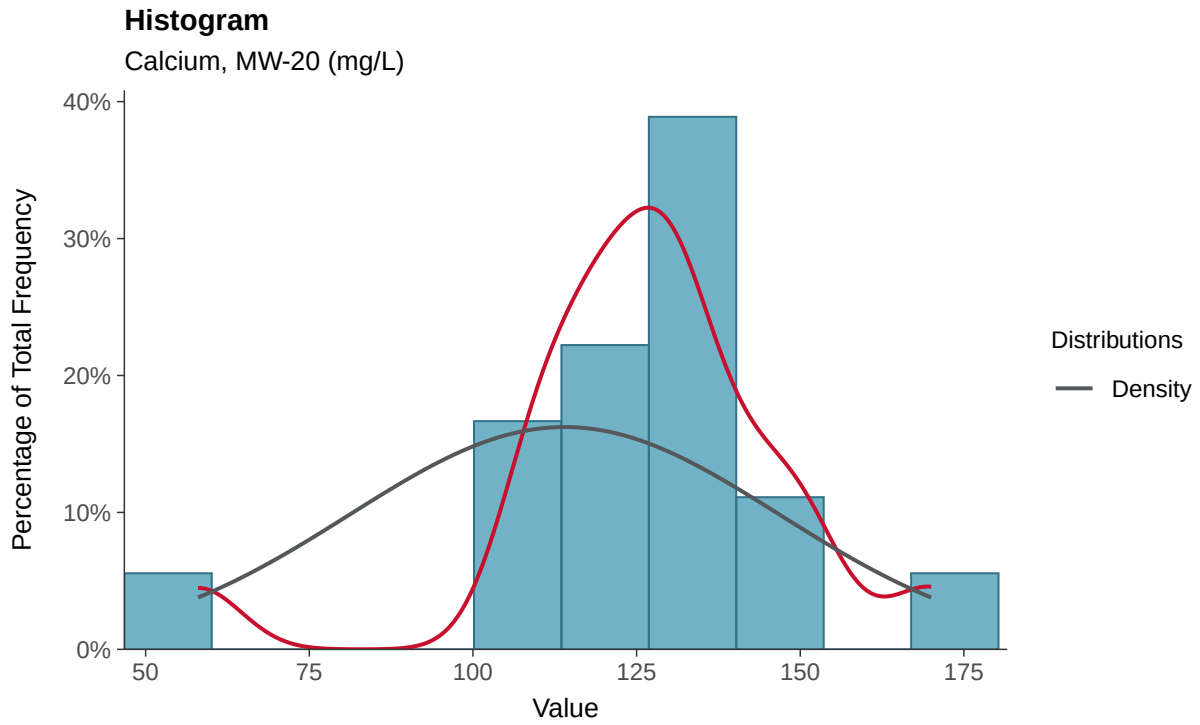
Boron, MW-20 (mg/L)



Appendix III: Calcium, MW-20

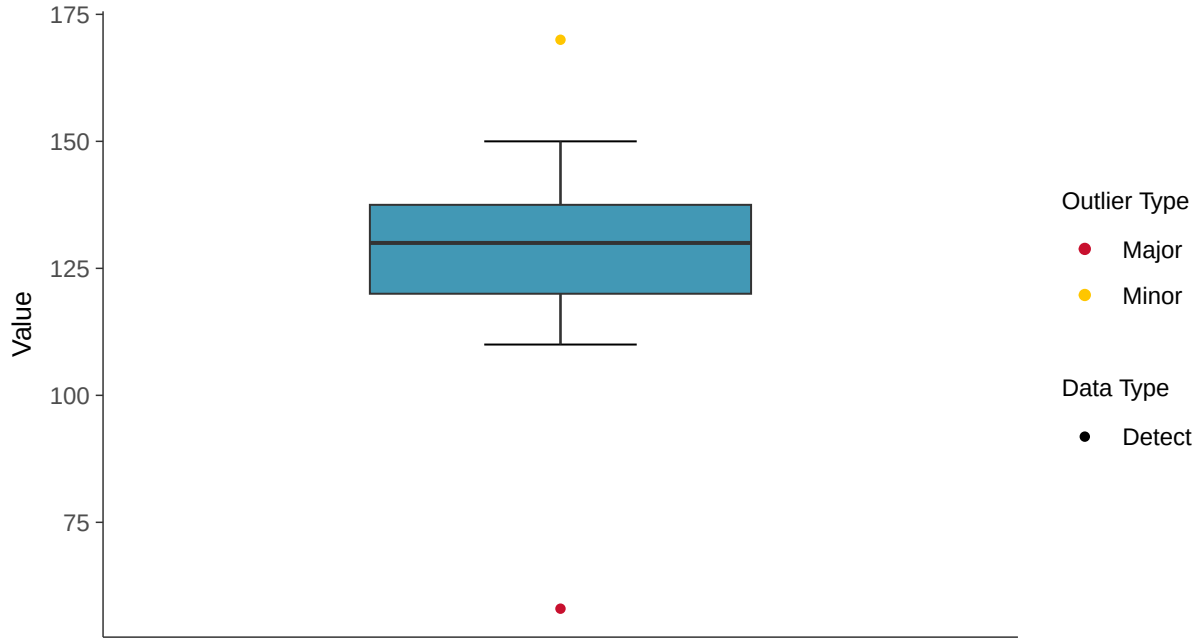
ID: 30_1_3_107





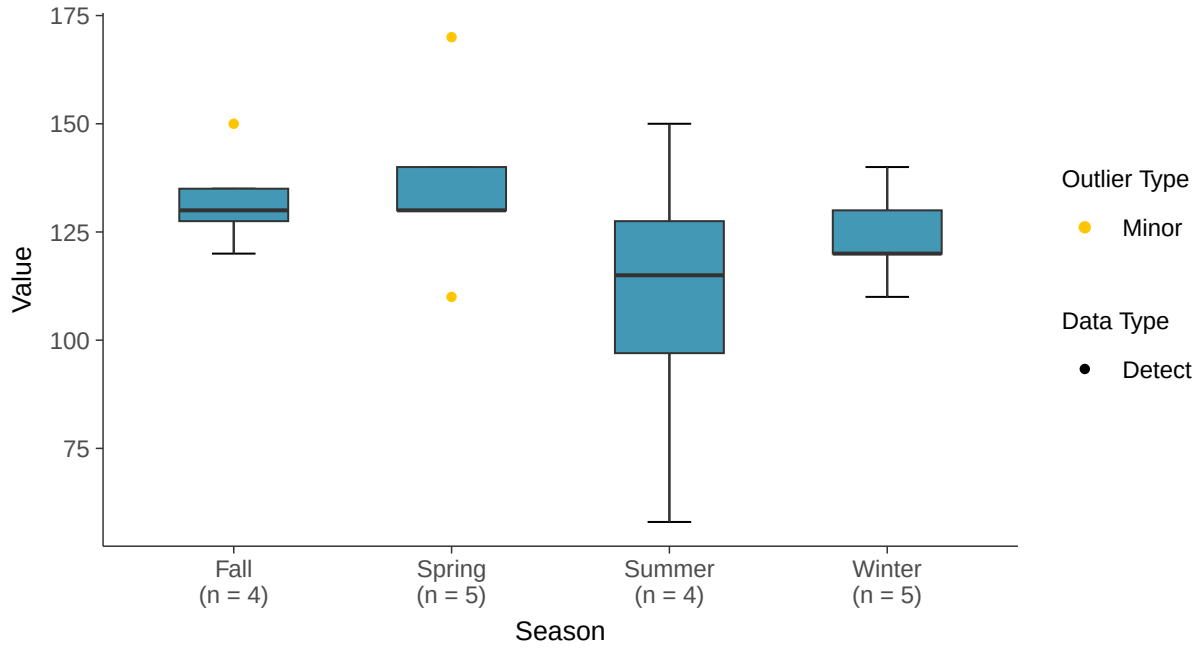
Boxplot

Calcium, MW-20 (mg/L)



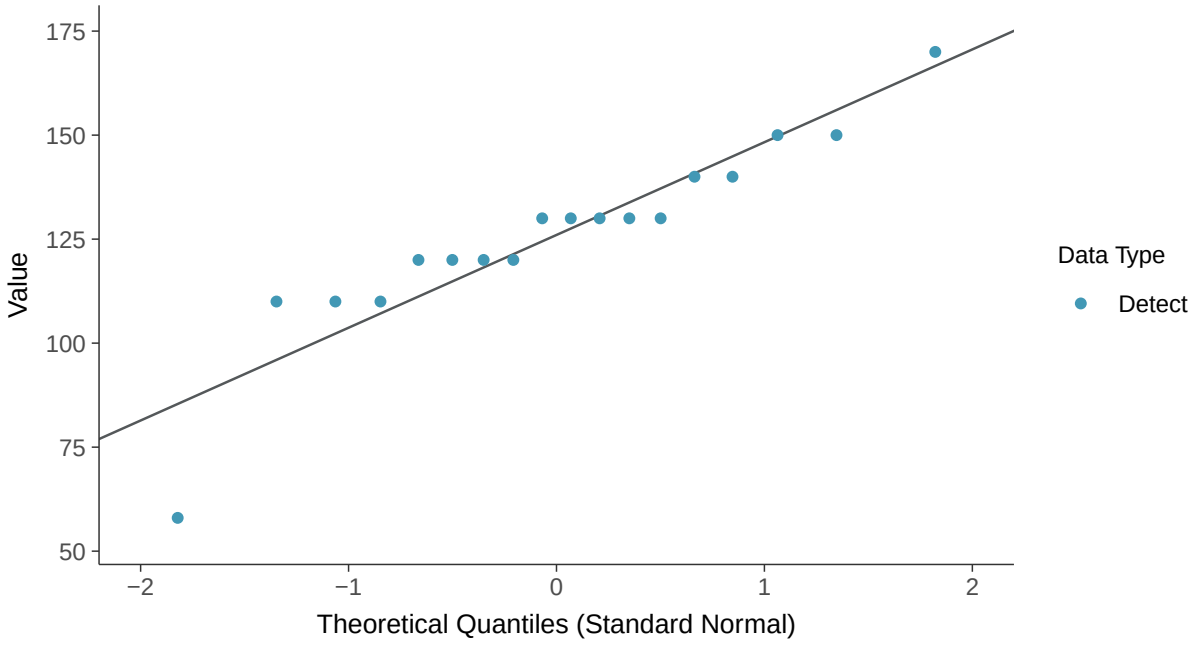
Boxplot by Season

Calcium, MW-20 (mg/L)



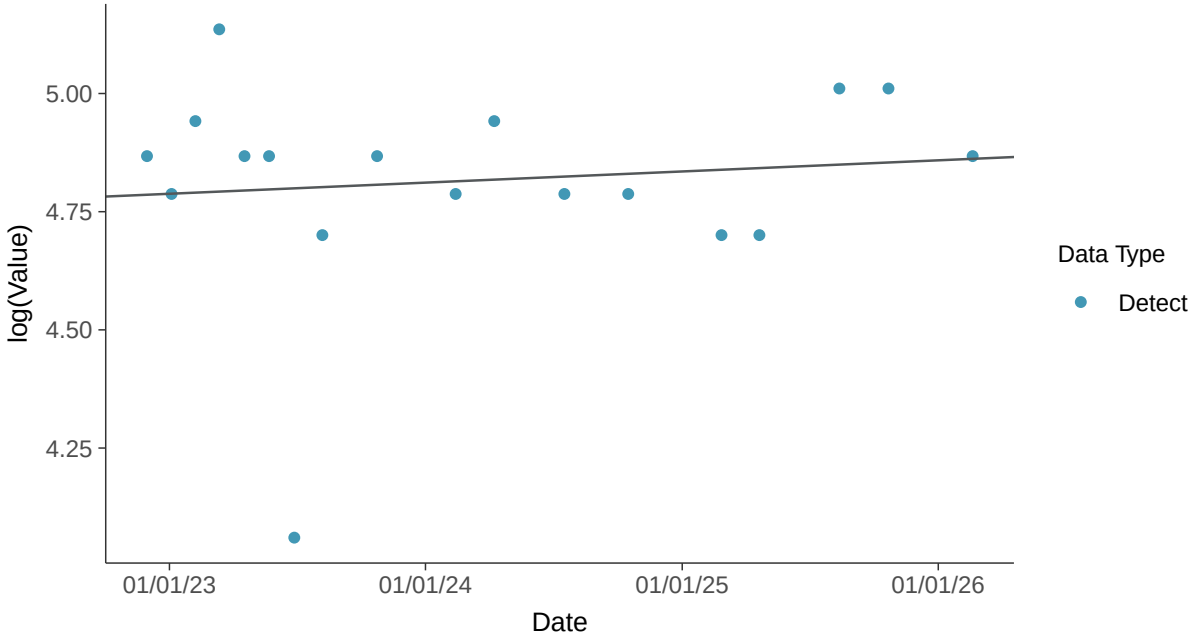
Normal Q-Q plot

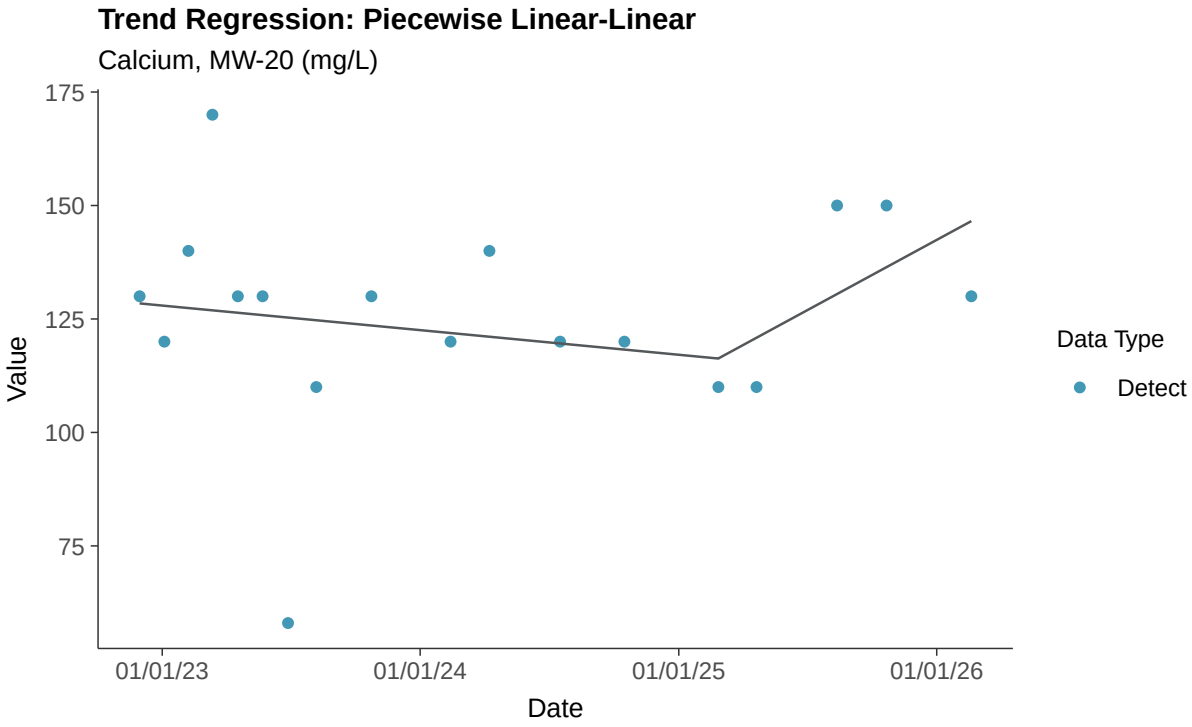
Calcium, MW-20 (mg/L)



Trend Regression: Lognormal MLE

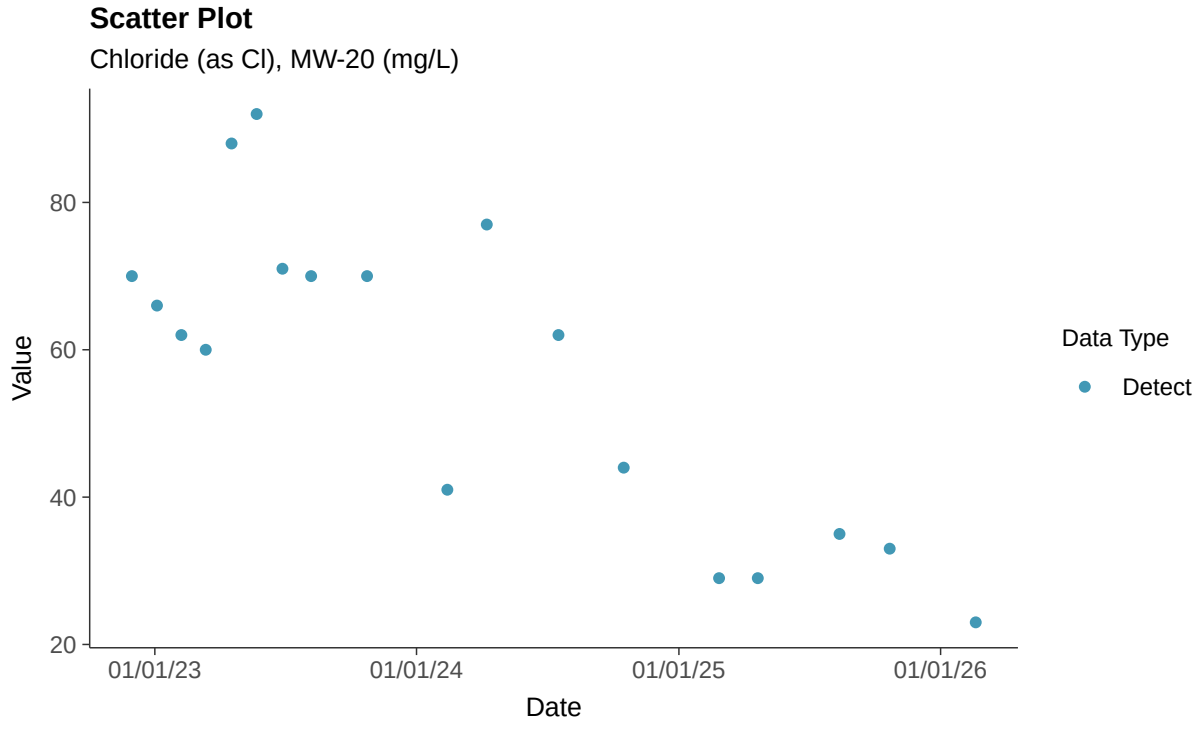
Calcium, MW-20 (mg/L)

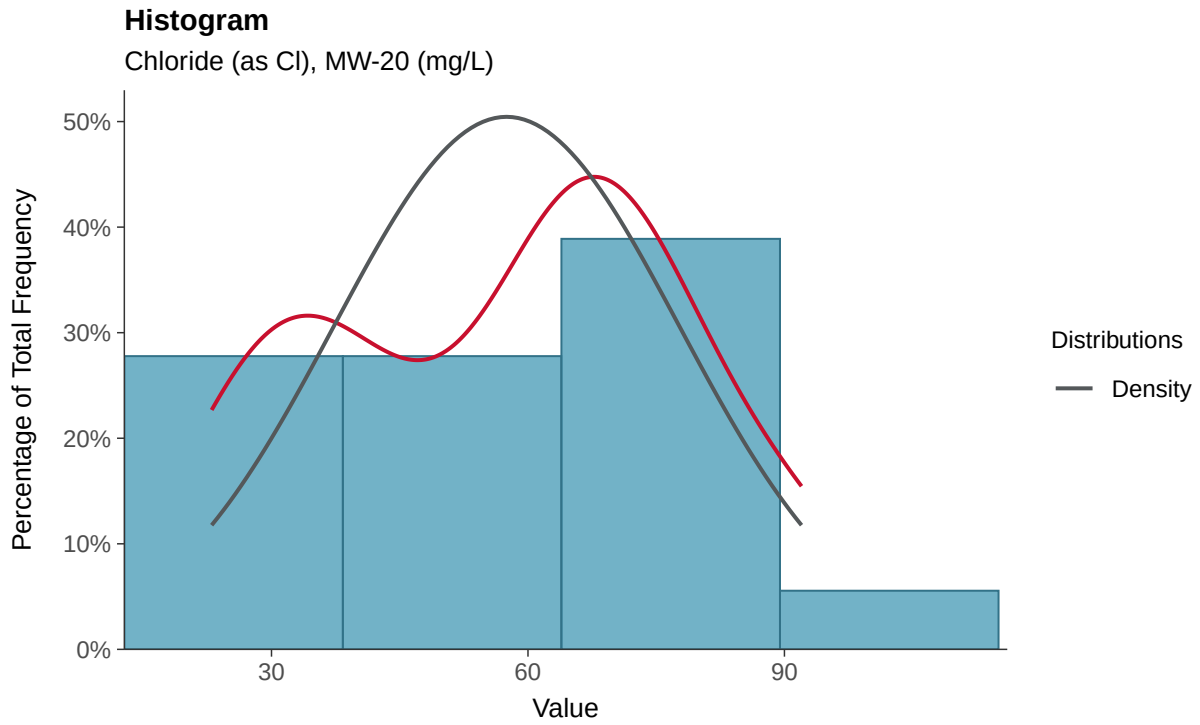



Trend Regression: Piecewise Linear-Linear
Calcium, MW-20 (mg/L)
175
150
125
100
75
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Chloride (as Cl), MW-20

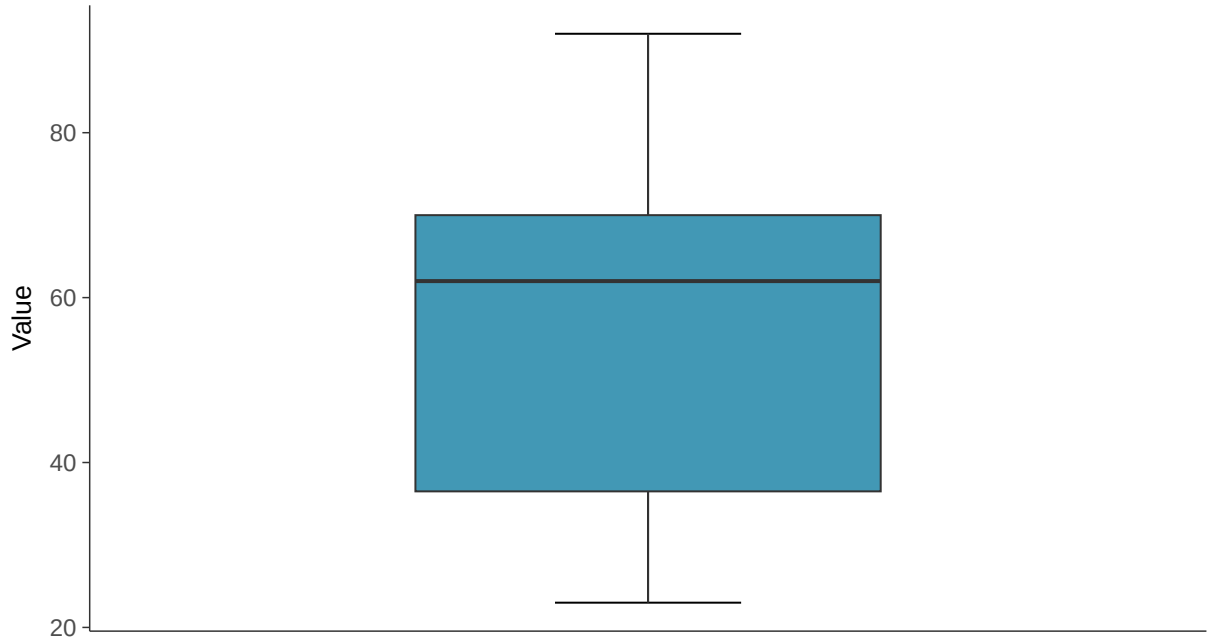
ID: 30_1_3_108





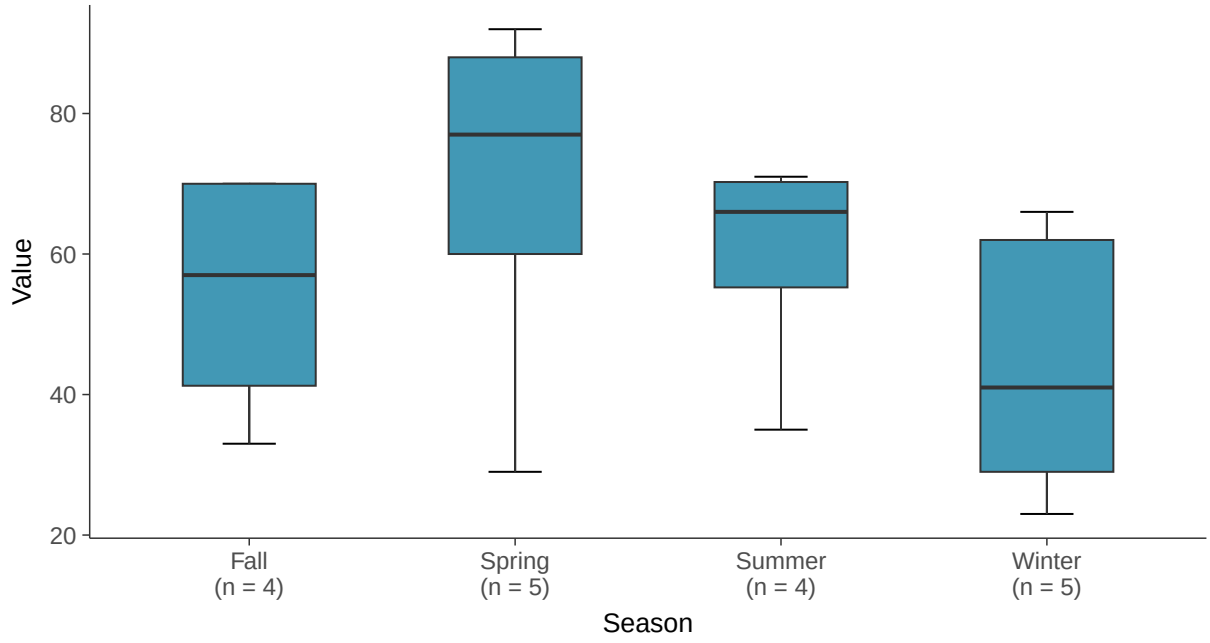
Boxplot

Chloride (as Cl), MW-20 (mg/L)



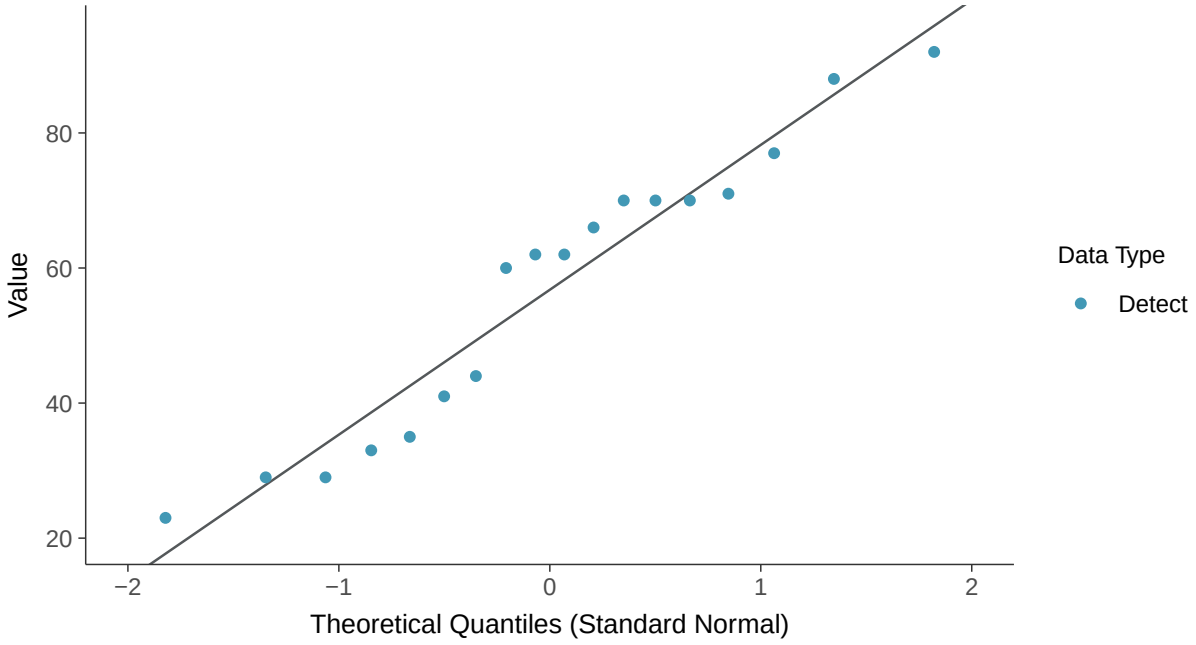
Boxplot by Season

Chloride (as Cl), MW-20 (mg/L)



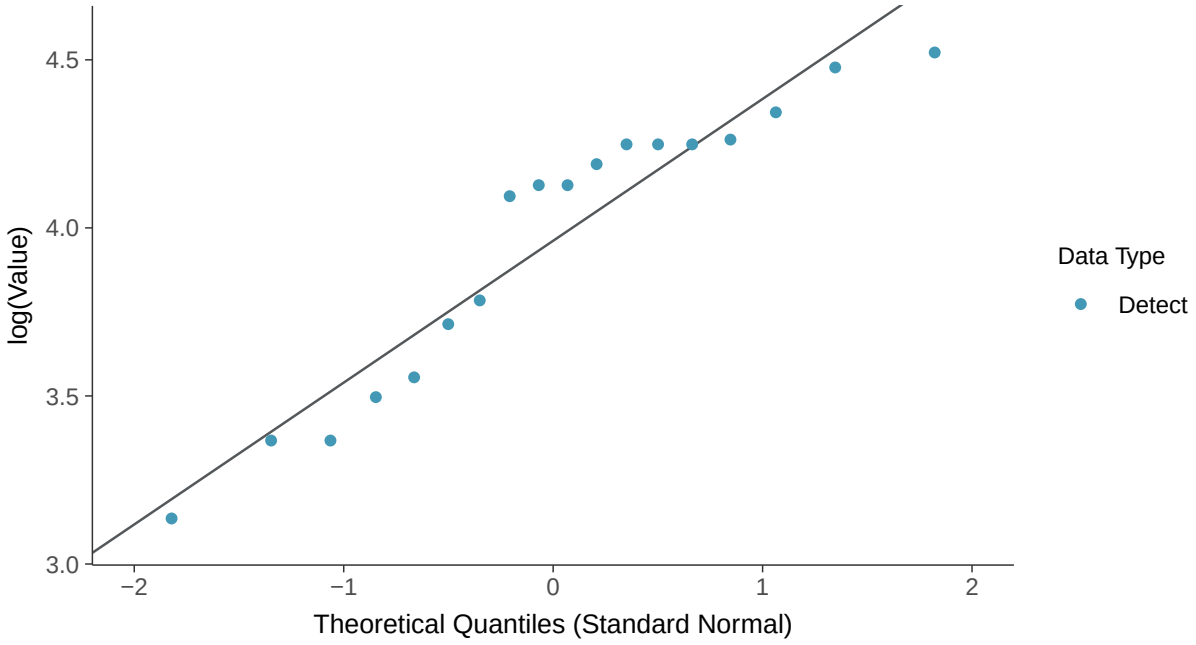
Normal Q-Q plot

Chloride (as Cl), MW-20 (mg/L)



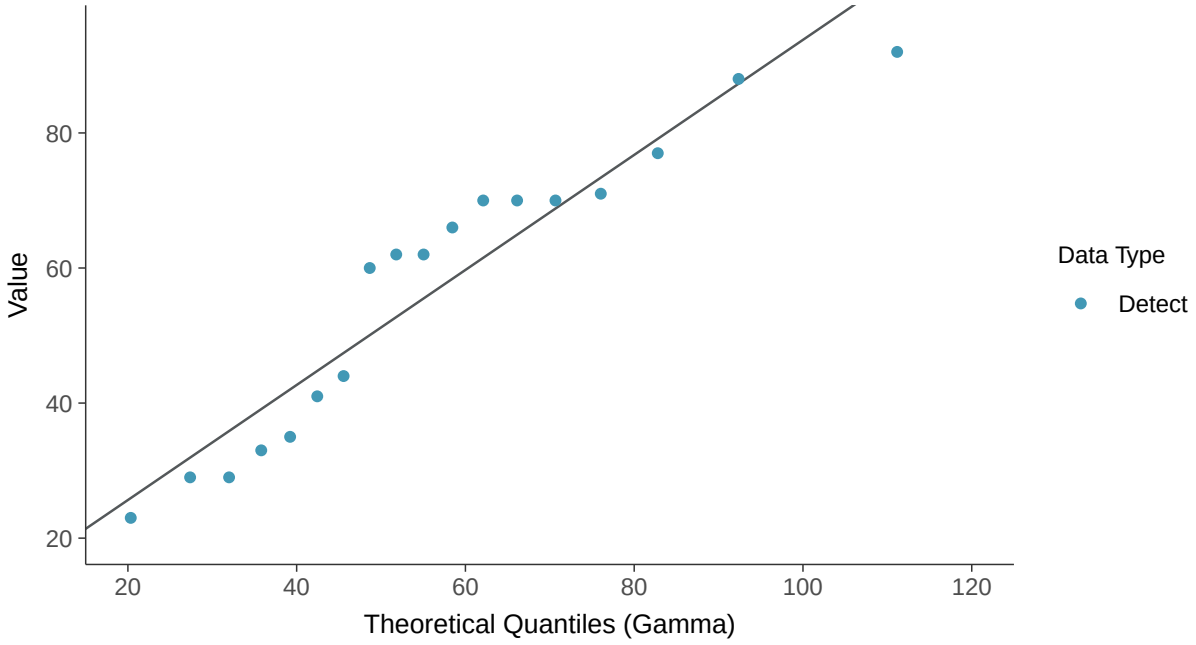
Lognormal Q-Q plot

Chloride (as Cl), MW-20 (mg/L)



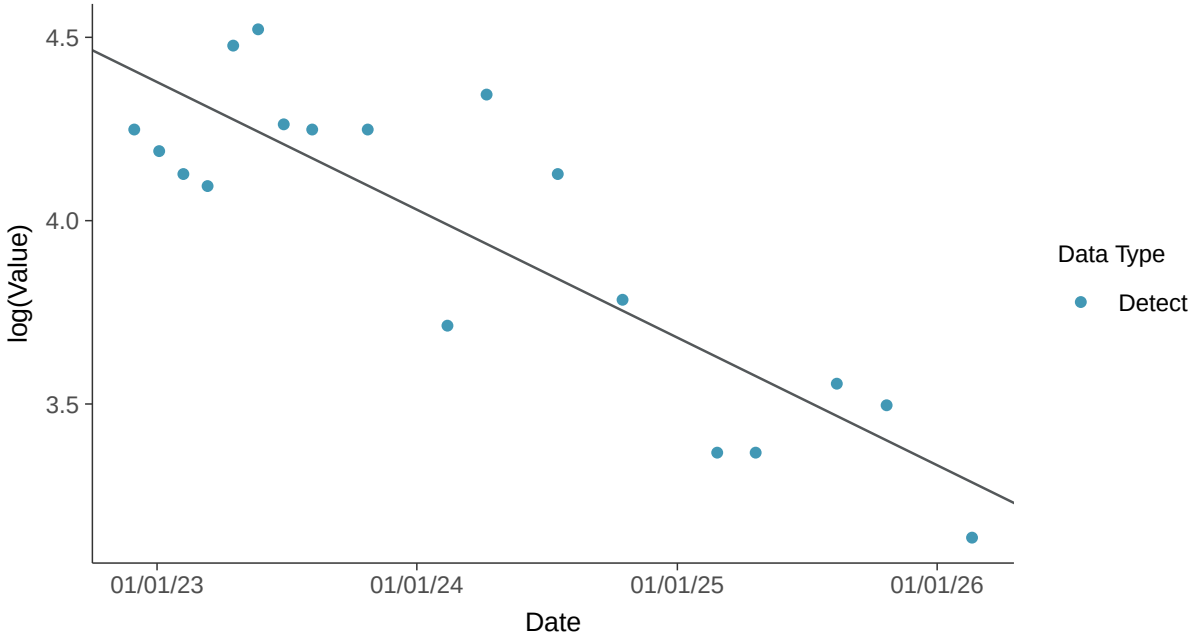
Gamma Q-Q plot

Chloride (as Cl), MW-20 (mg/L)



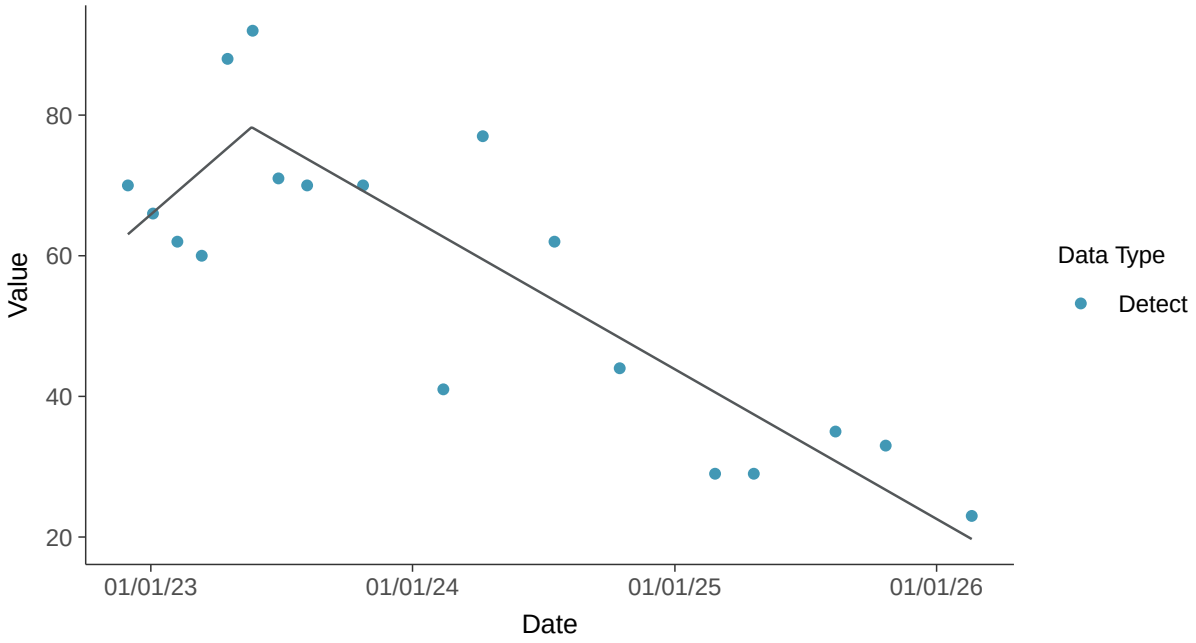
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-20 (mg/L)



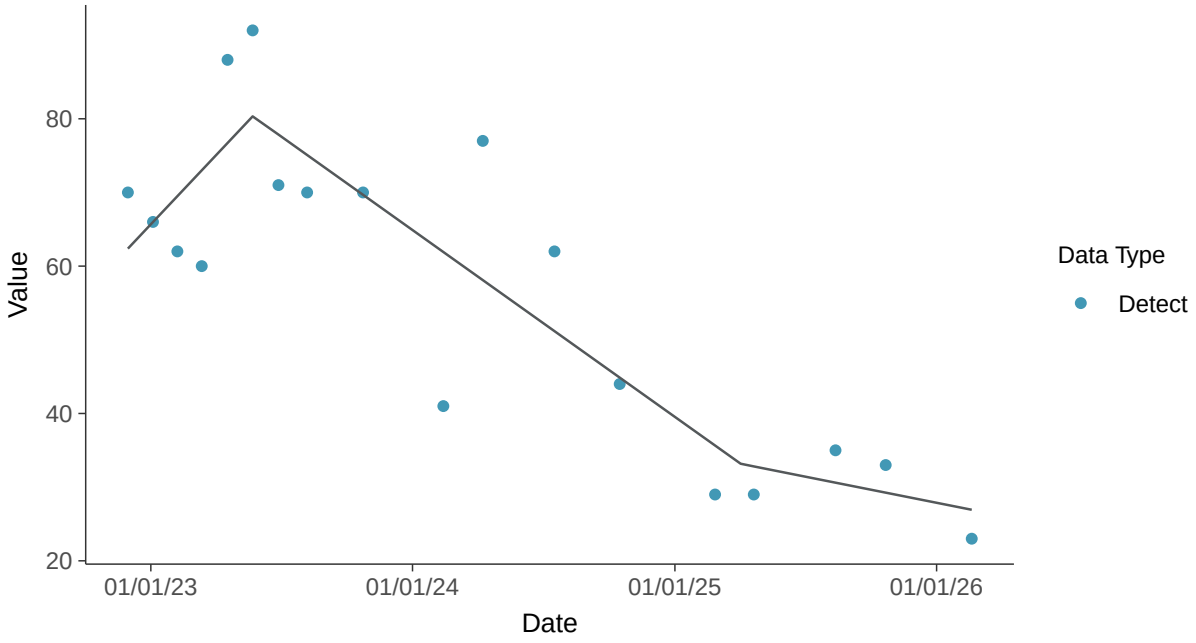
Trend Regression: Piecewise Linear-Linear

Chloride (as Cl), MW-20 (mg/L)



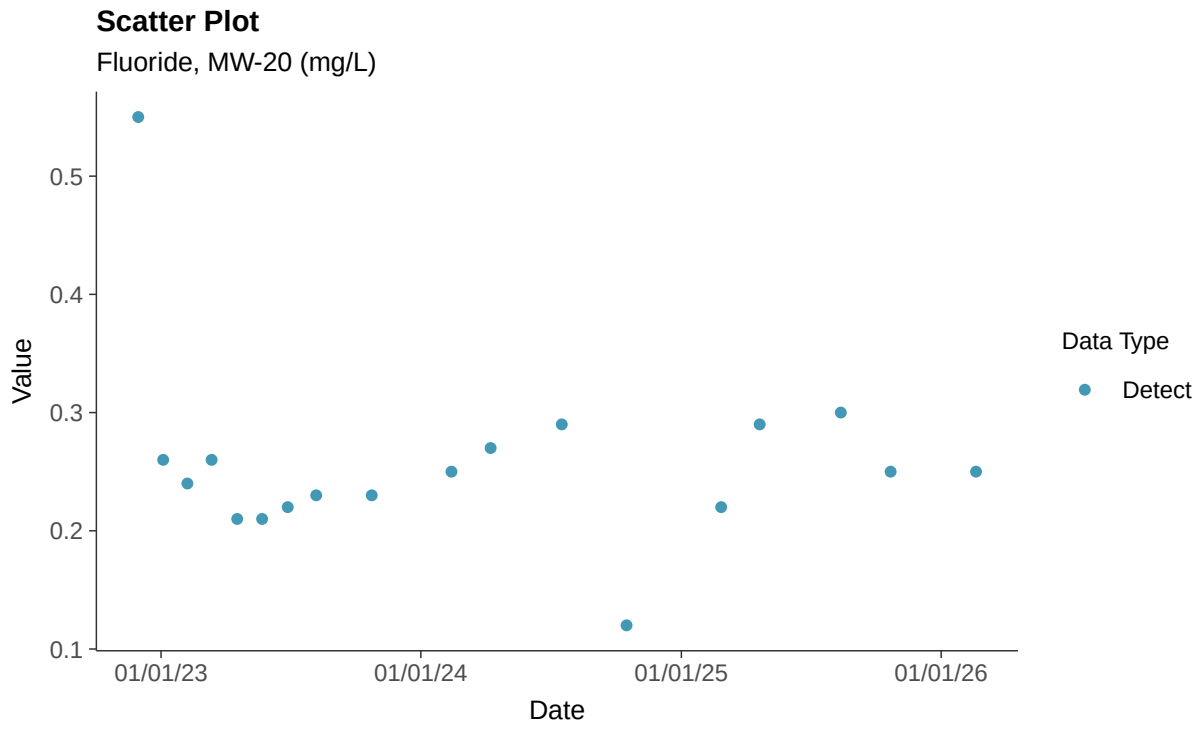
Trend Regression: Piecewise Linear-Linear-Linear

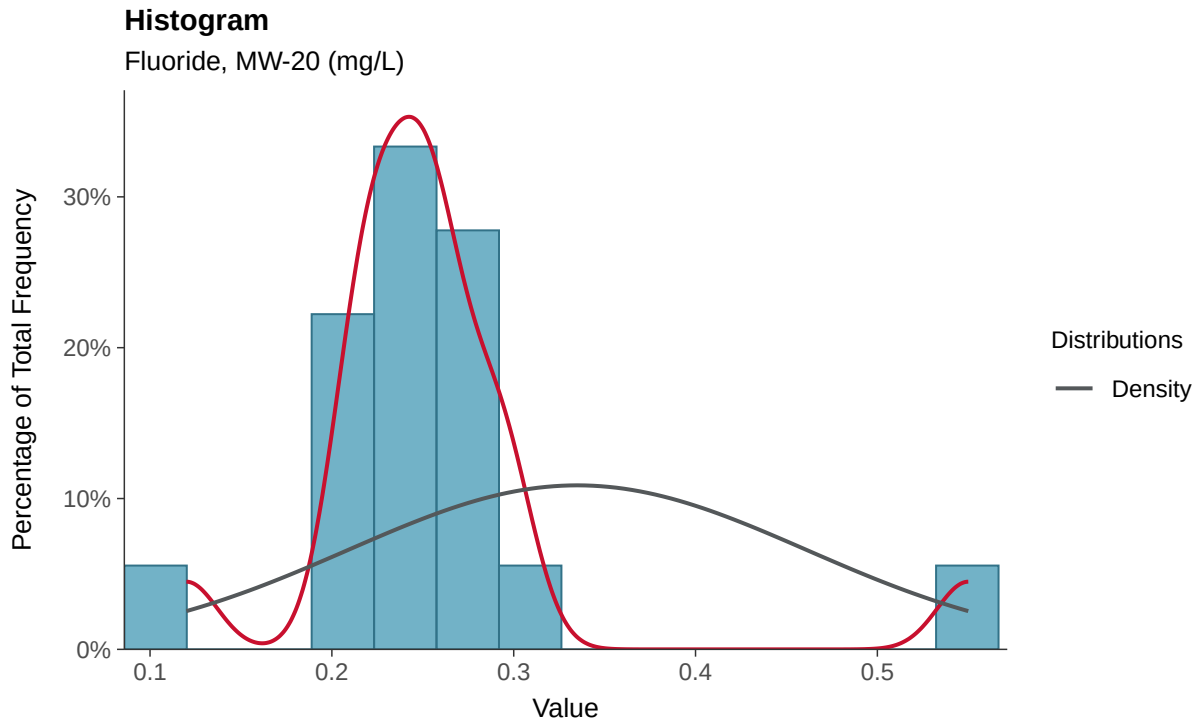
Chloride (as Cl), MW-20 (mg/L)



Appendix III: Fluoride, MW-20

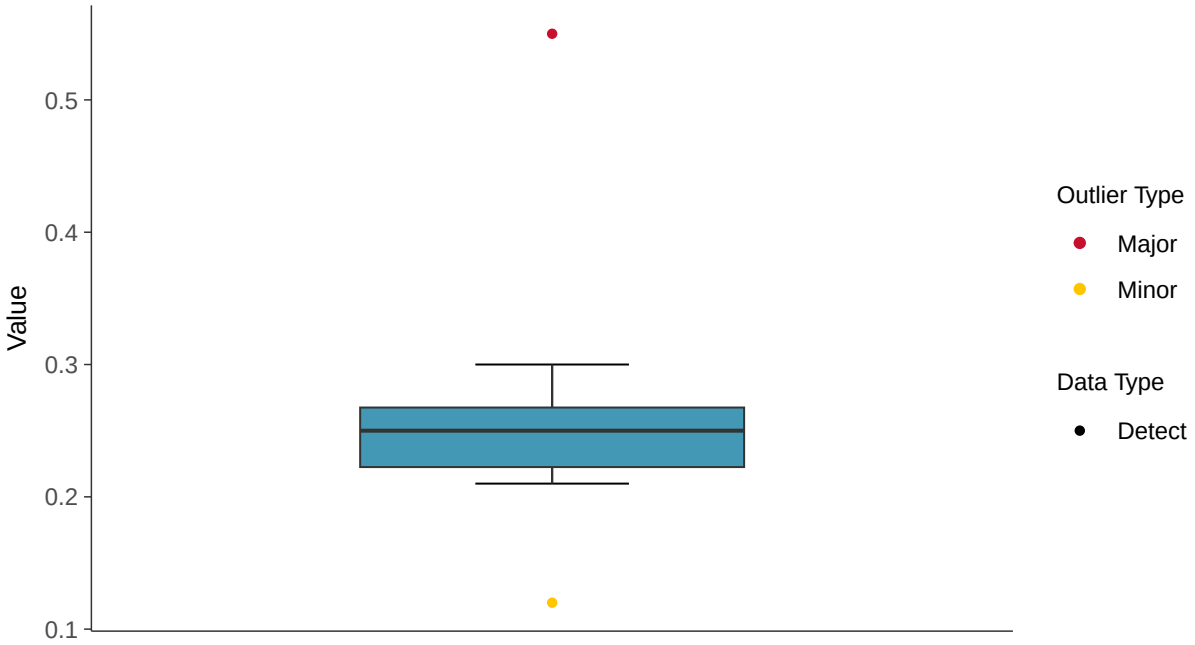
ID: 30_1_3_112





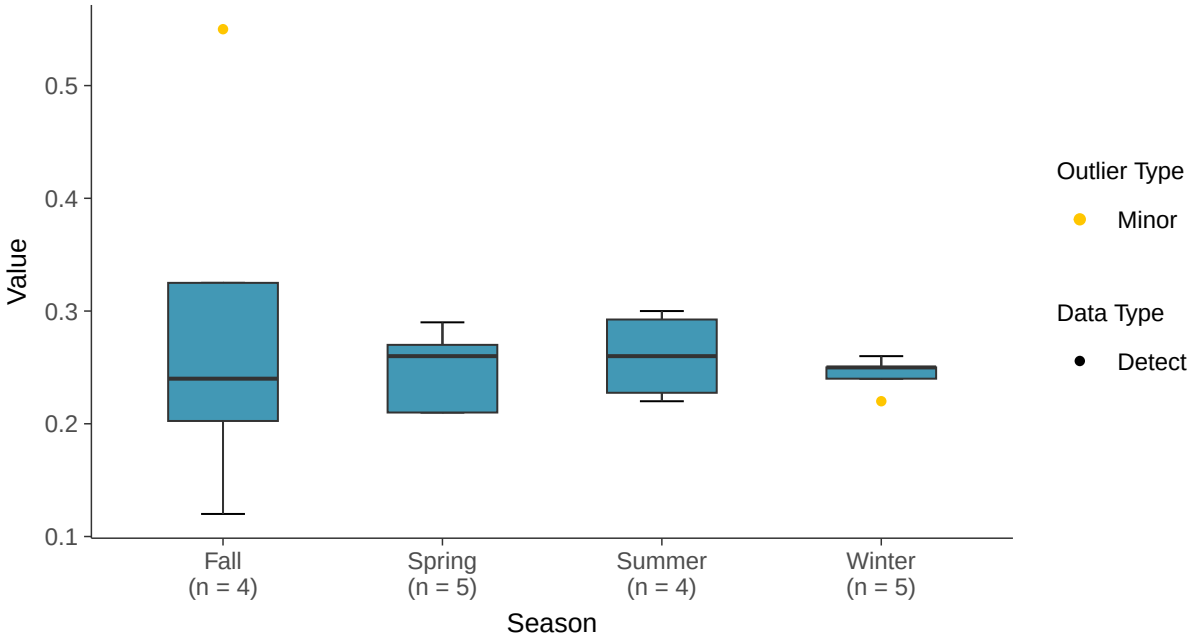
Boxplot

Fluoride, MW-20 (mg/L)



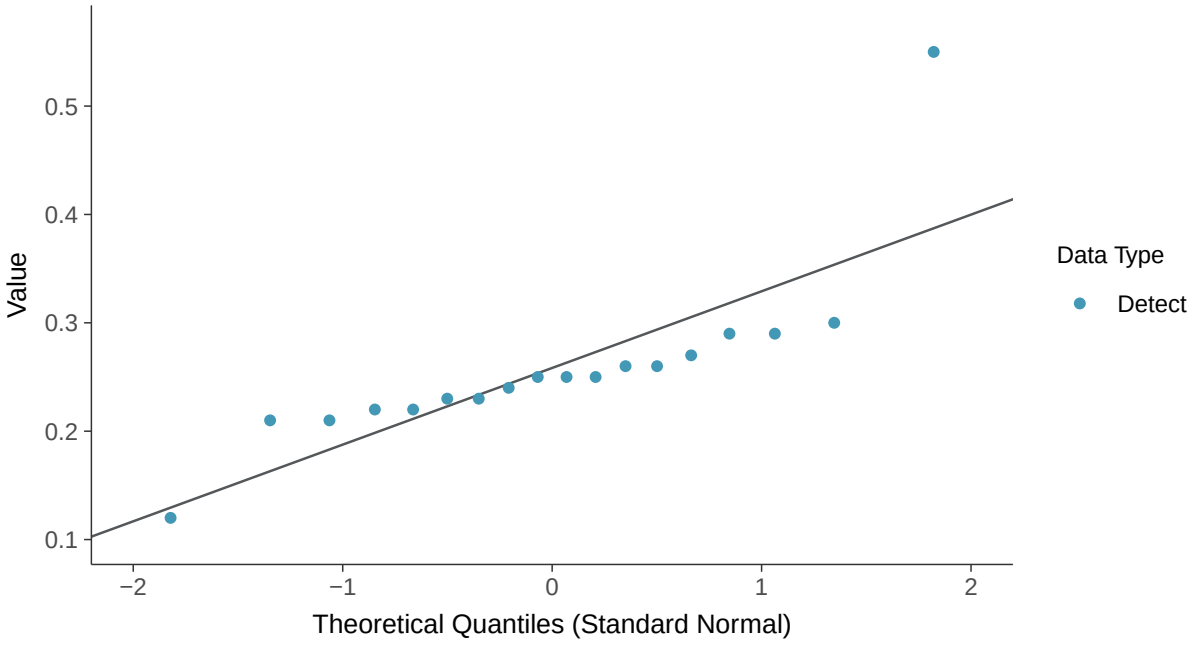
Boxplot by Season

Fluoride, MW-20 (mg/L)



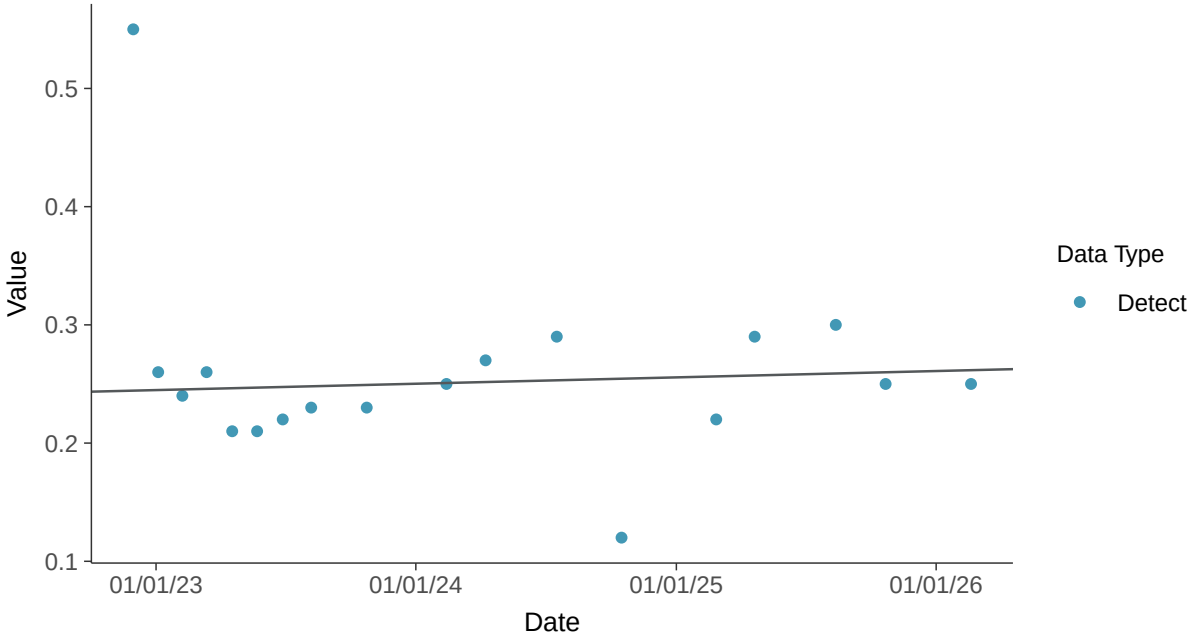
Normal Q-Q plot

Fluoride, MW-20 (mg/L)



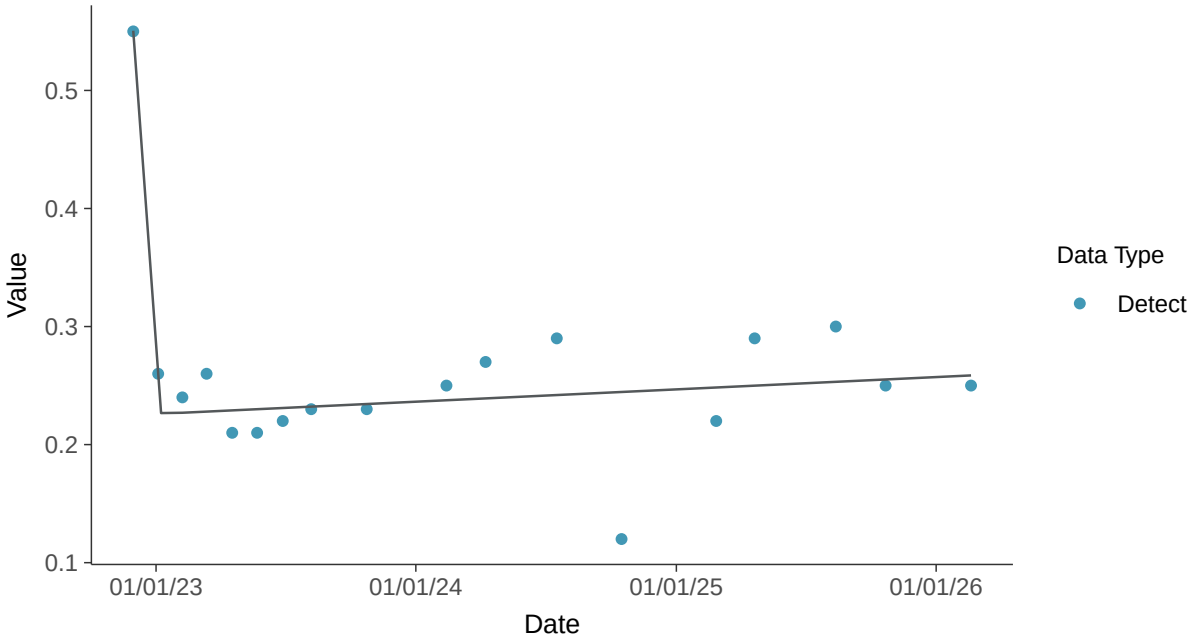
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride, MW-20 (mg/L)



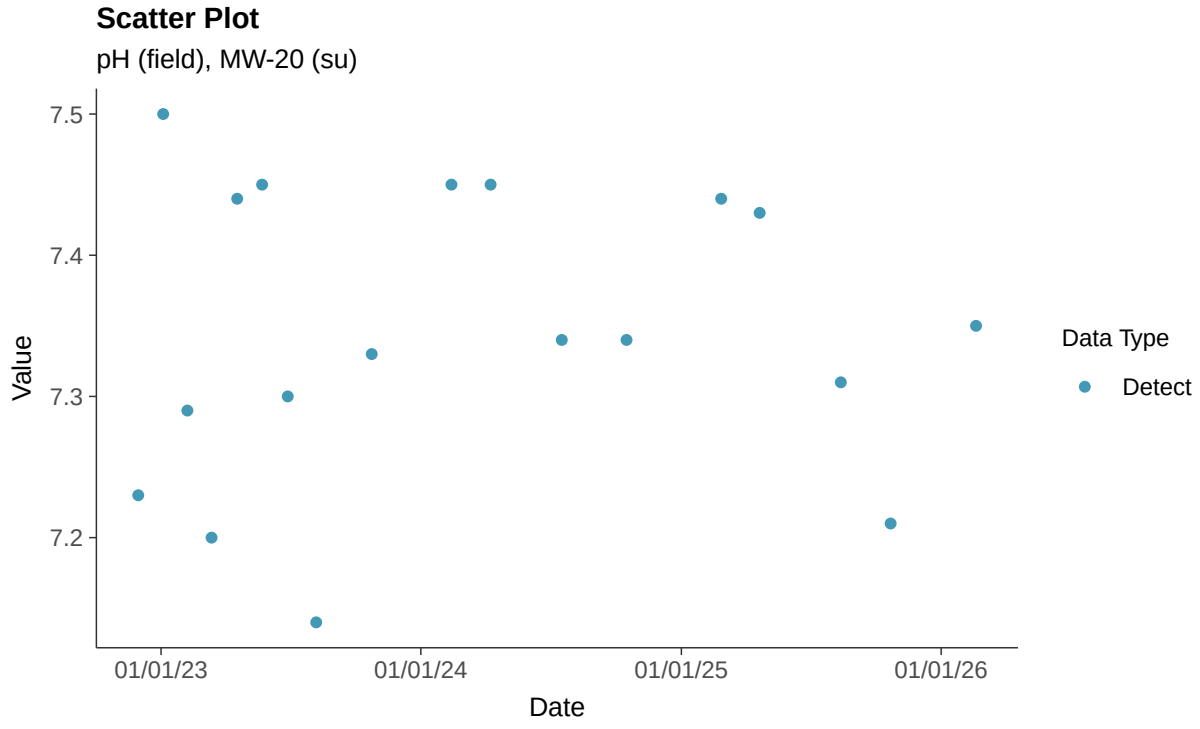
Trend Regression: Piecewise Linear-Linear

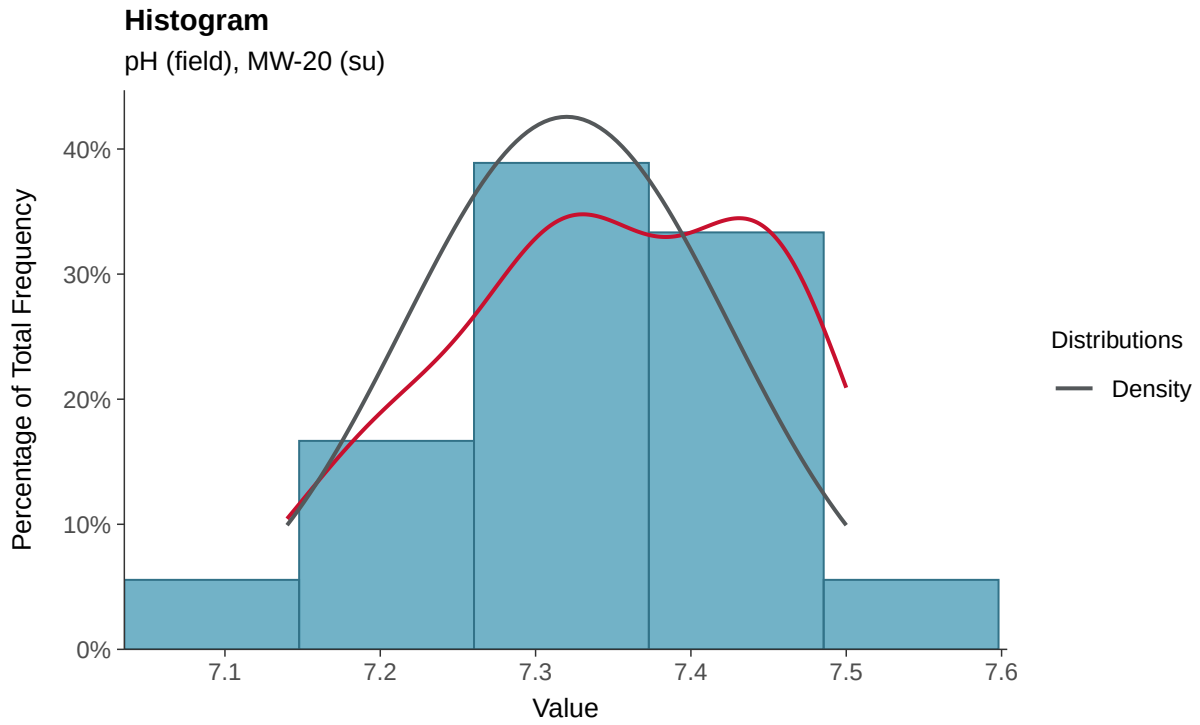
Fluoride, MW-20 (mg/L)



Appendix III: pH (field), MW-20

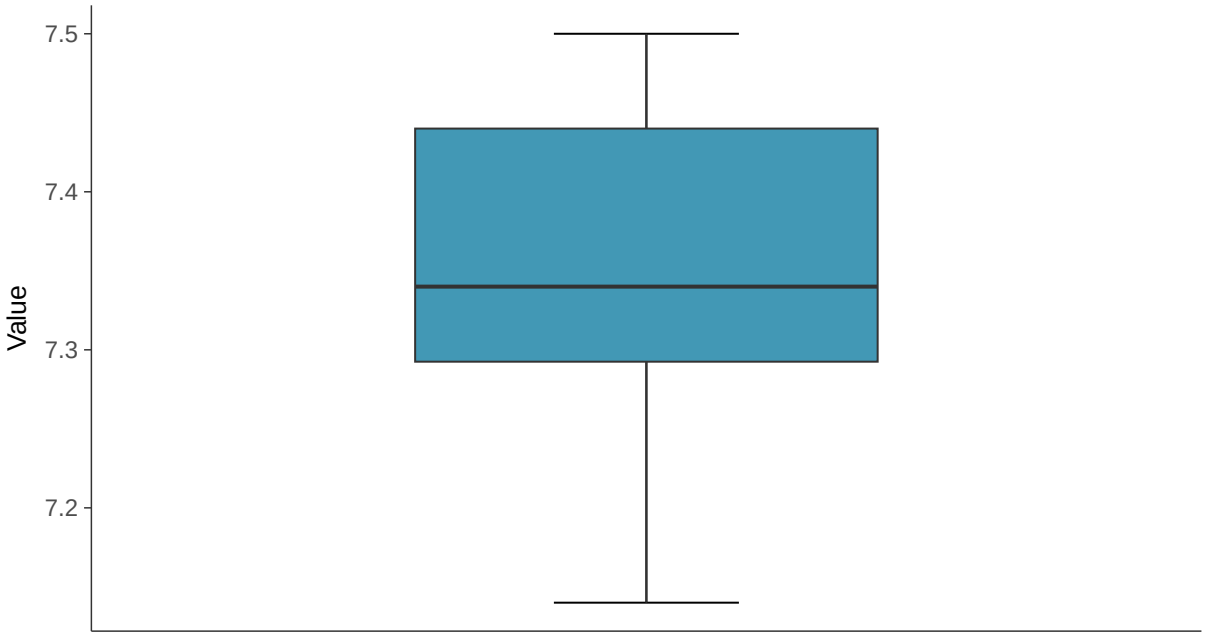
ID: 30_1_3_120





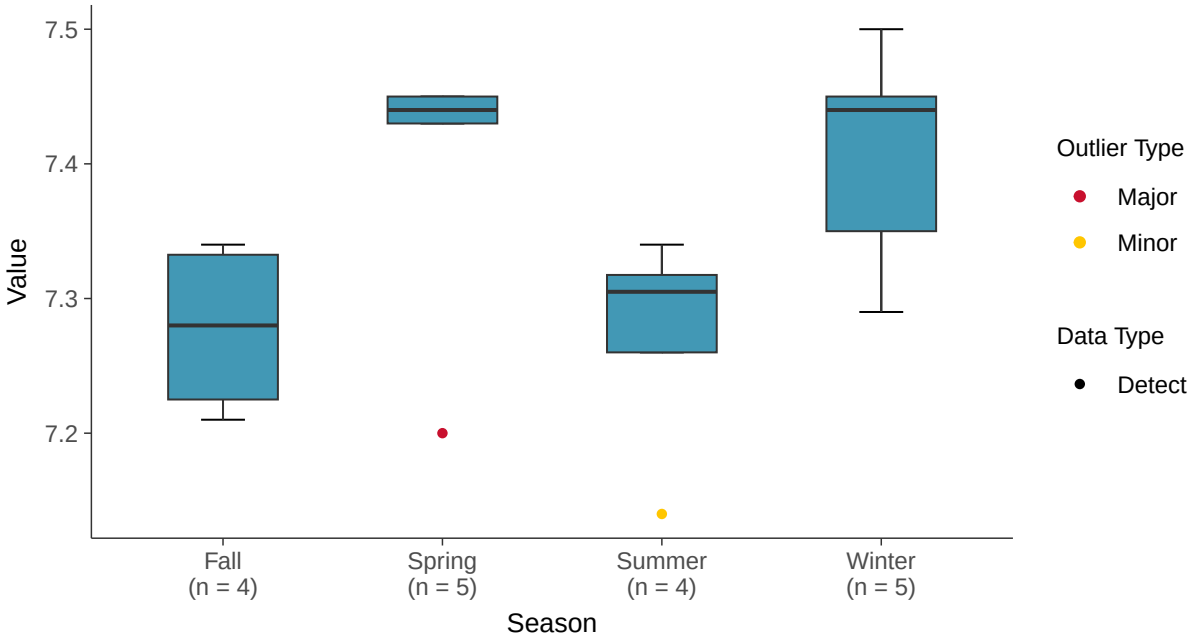
Boxplot

pH (field), MW-20 (su)



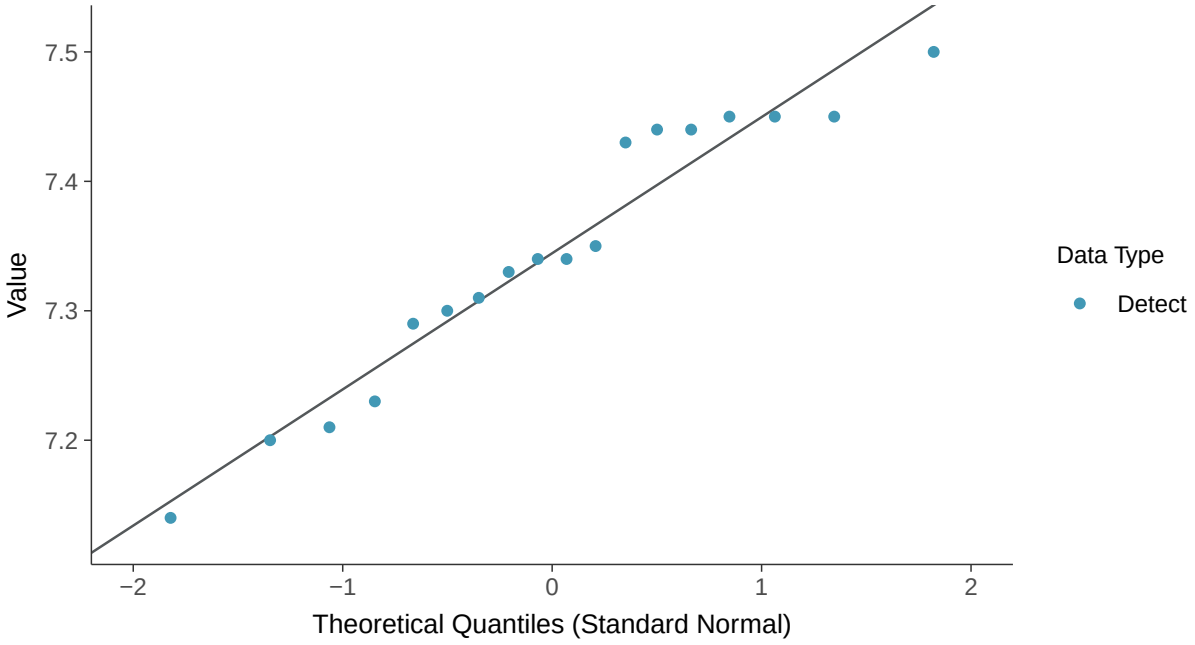
Boxplot by Season

pH (field), MW-20 (su)



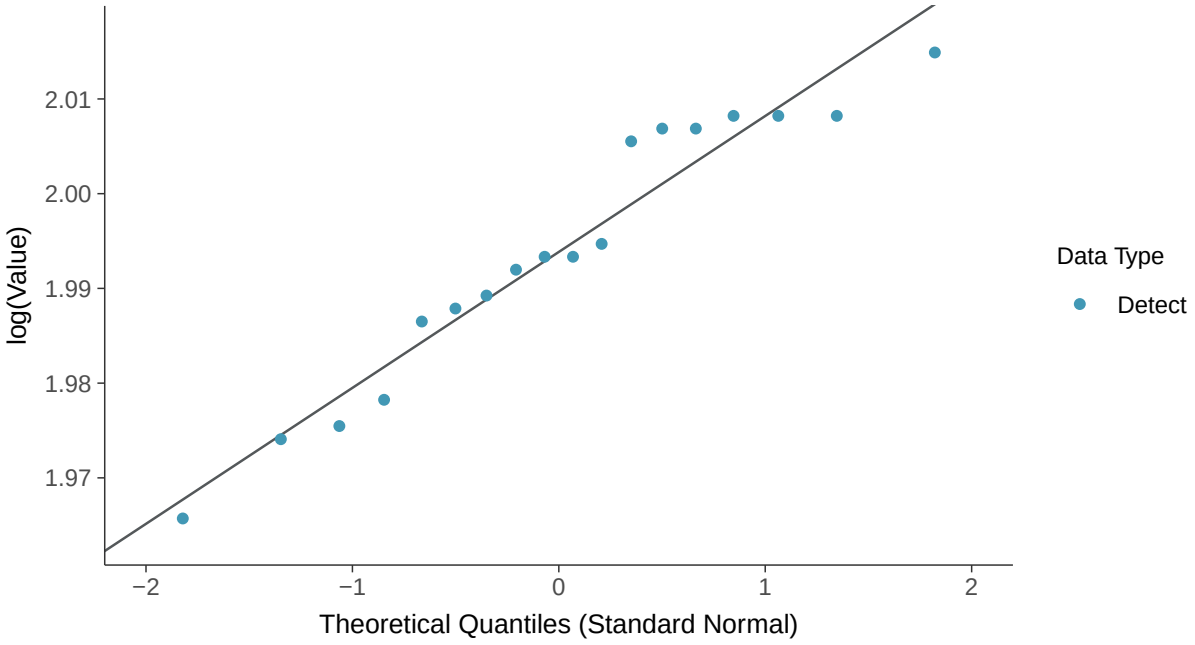
Normal Q-Q plot

pH (field), MW-20 (su)



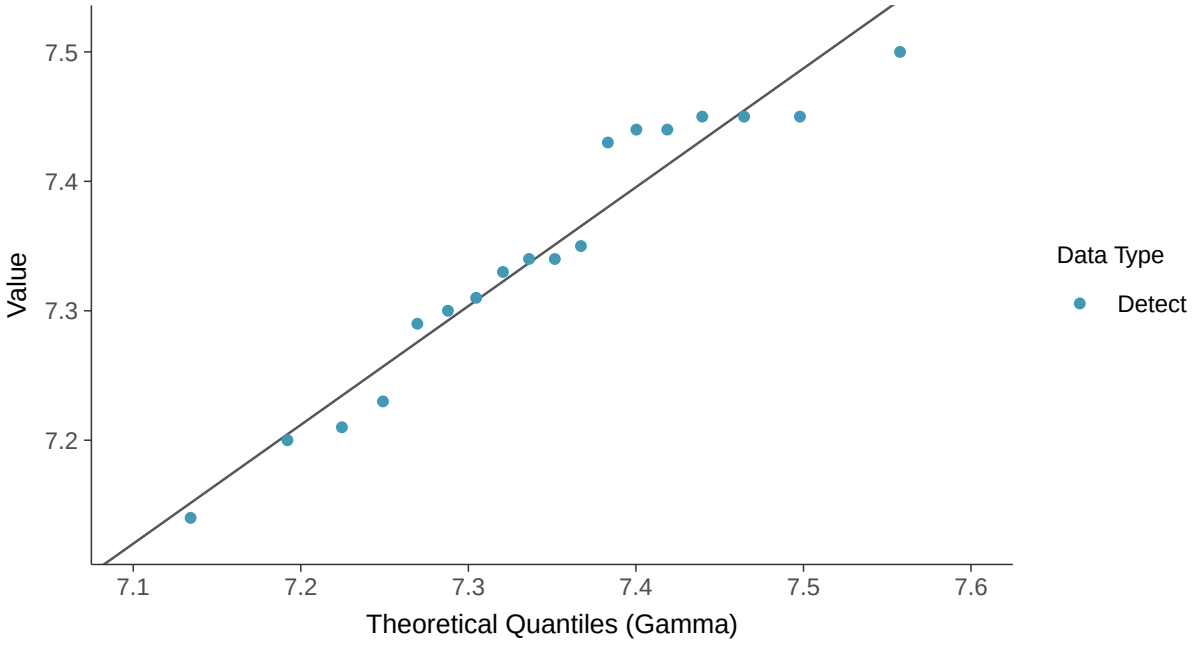
Lognormal Q-Q plot

pH (field), MW-20 (su)



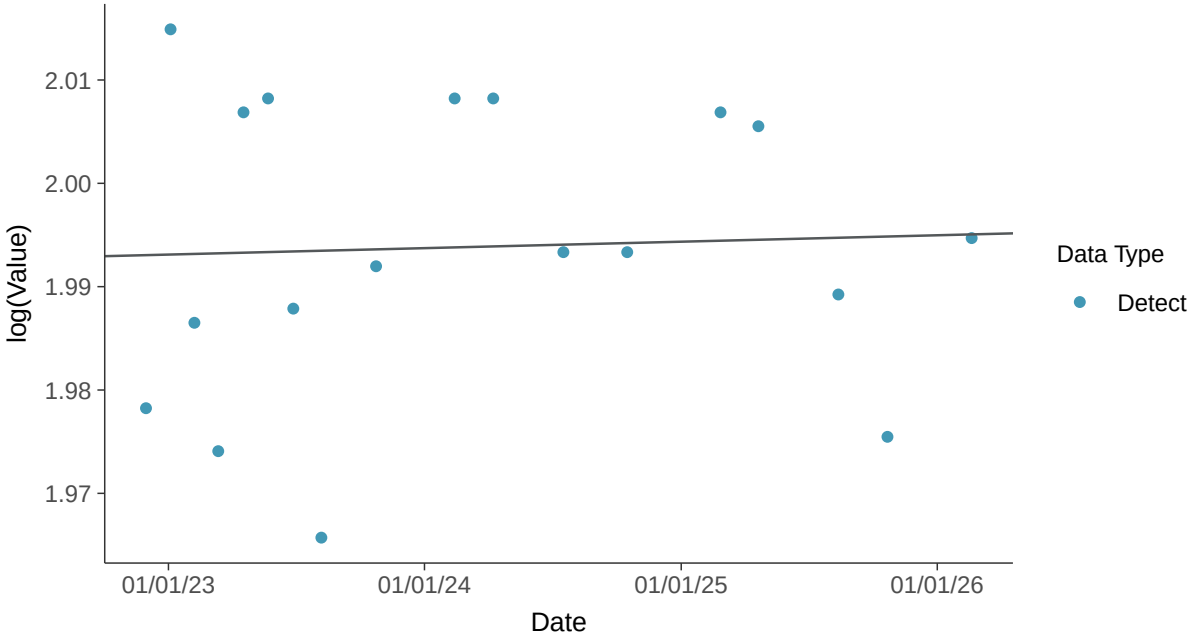
Gamma Q-Q plot

pH (field), MW-20 (su)



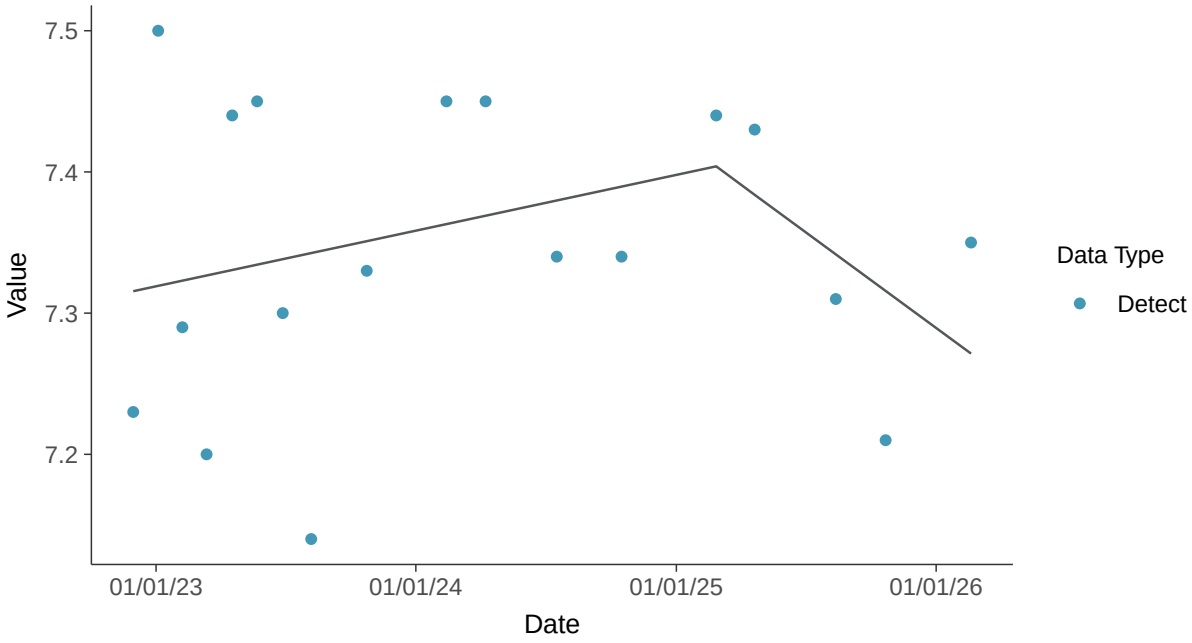
Trend Regression: Lognormal MLE

pH (field), MW-20 (su)



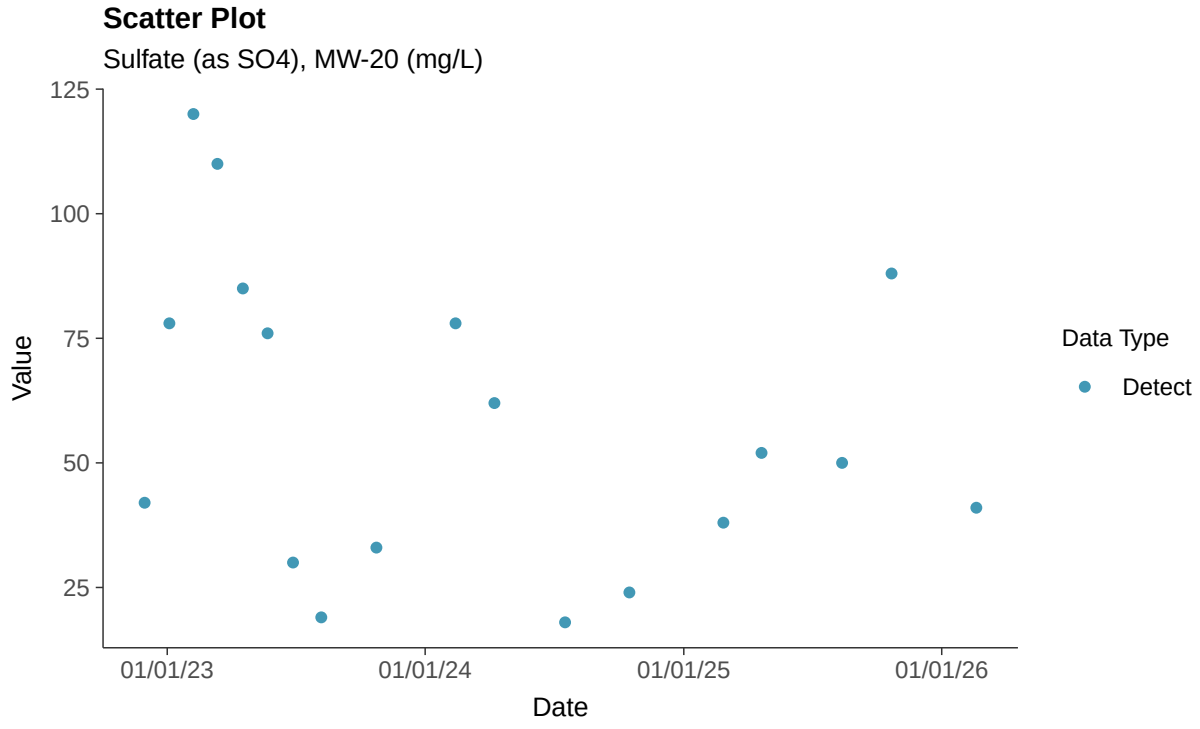
Trend Regression: Piecewise Linear-Linear

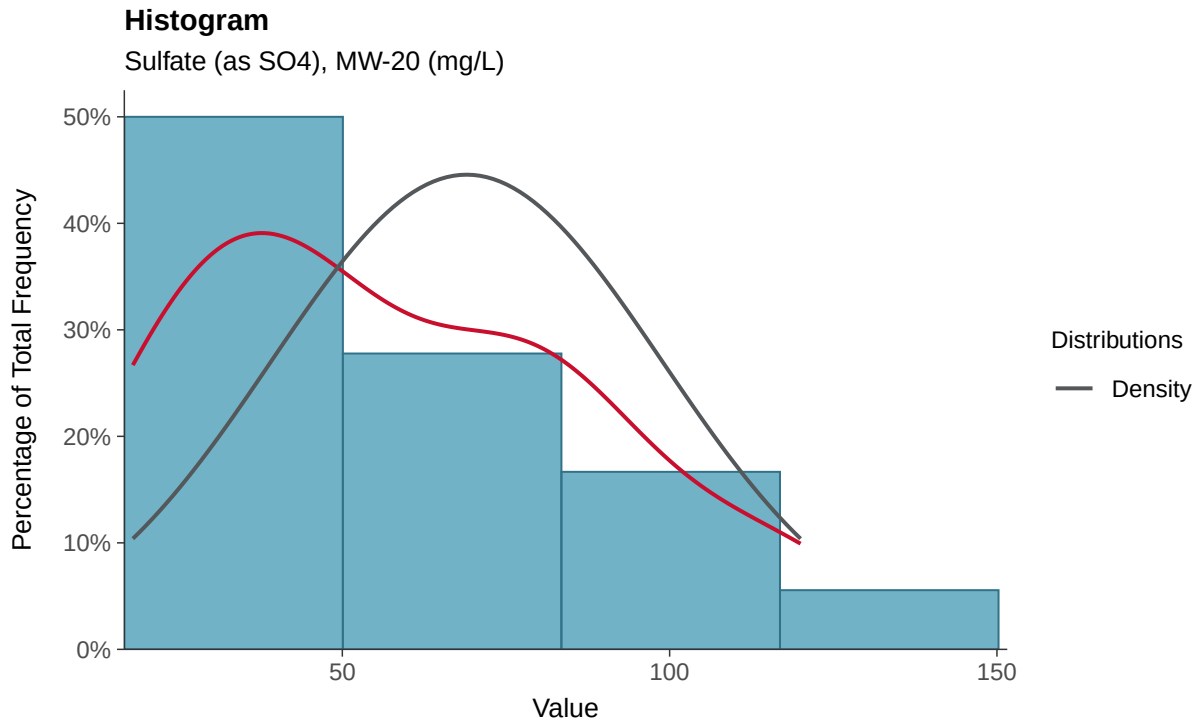
pH (field), MW-20 (su)



Appendix III: Sulfate (as SO4), MW-20

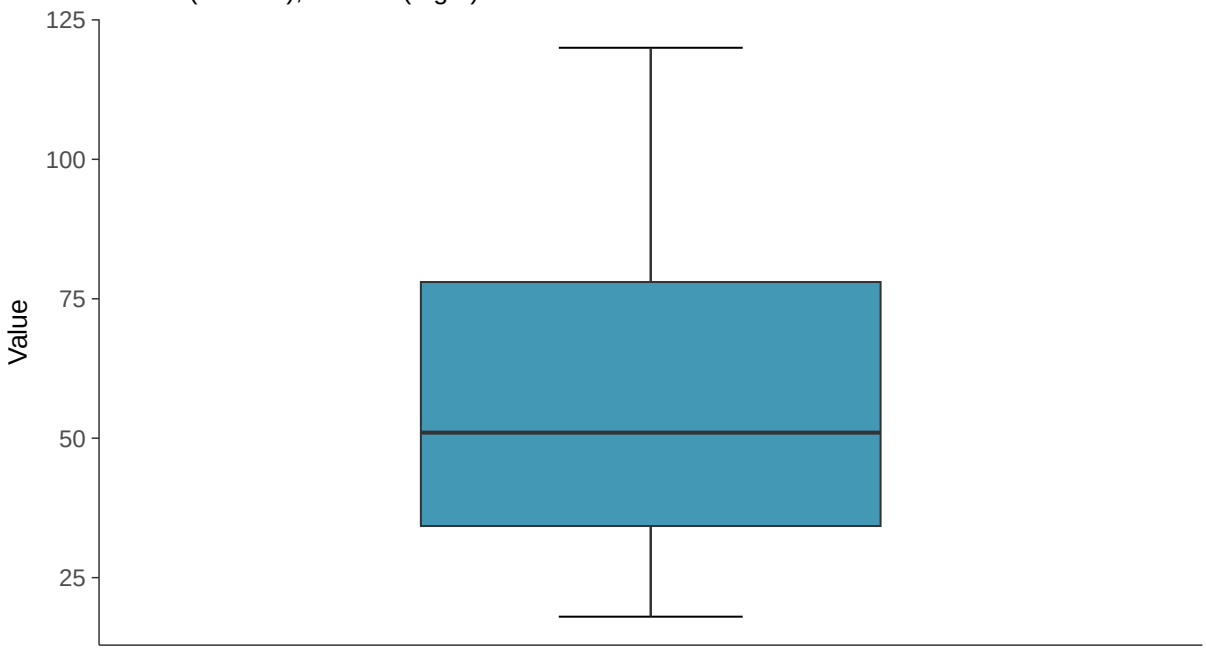
ID: 30_1_3_124





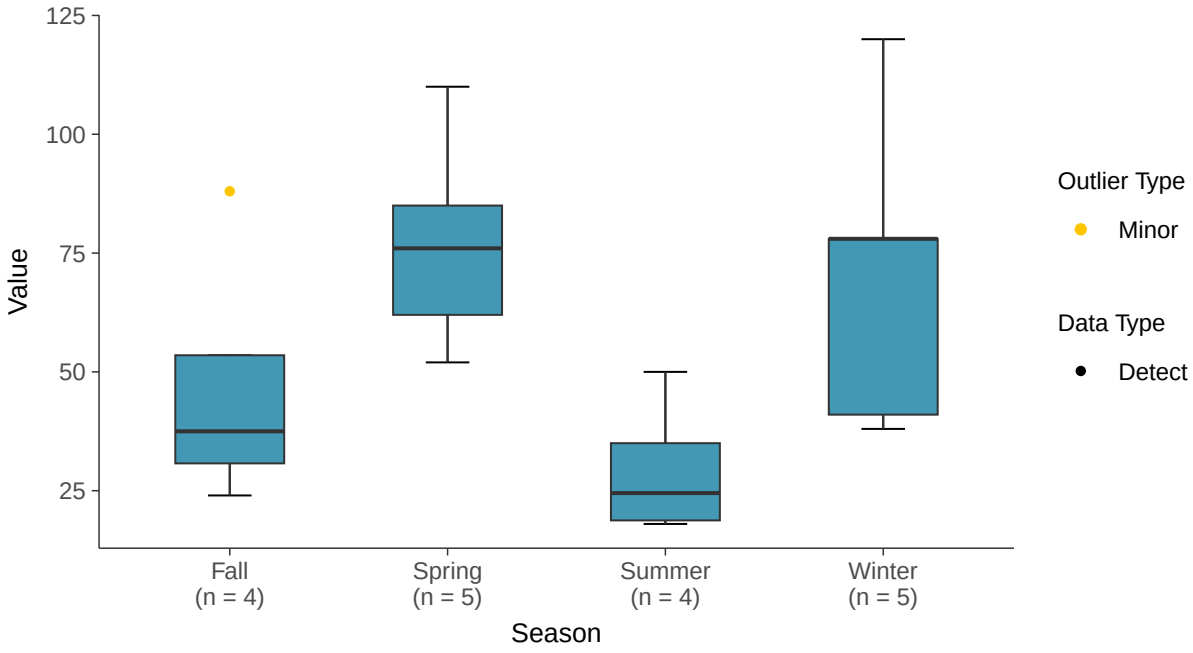
Boxplot

Sulfate (as SO4), MW-20 (mg/L)



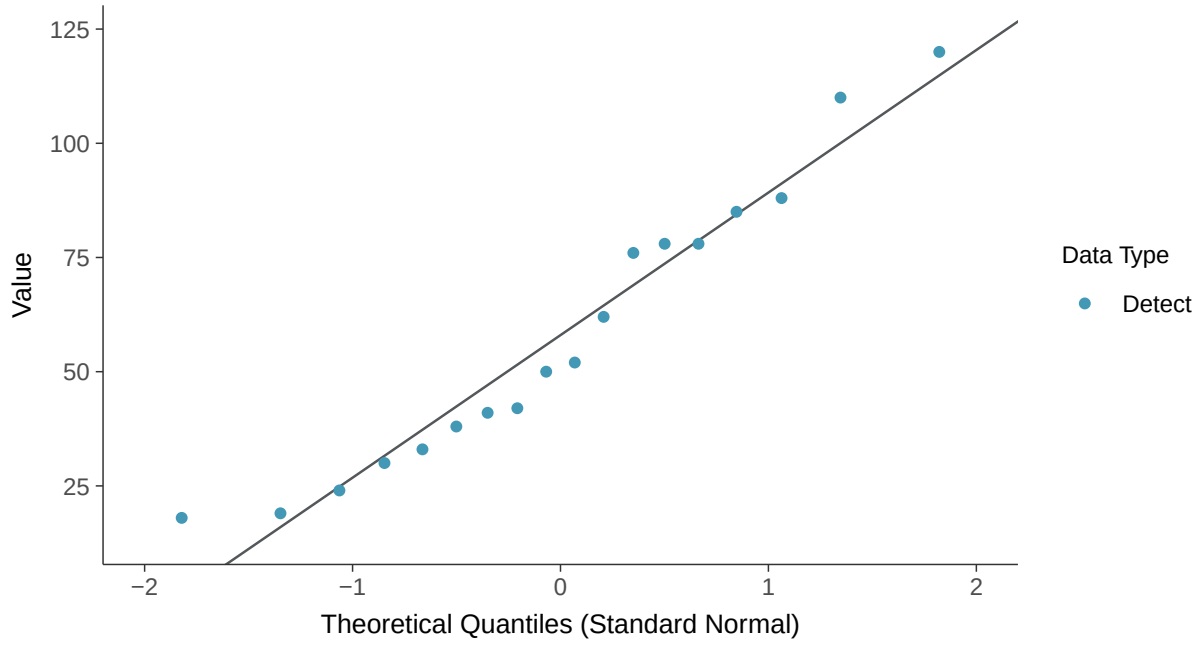
Boxplot by Season

Sulfate (as SO4), MW-20 (mg/L)



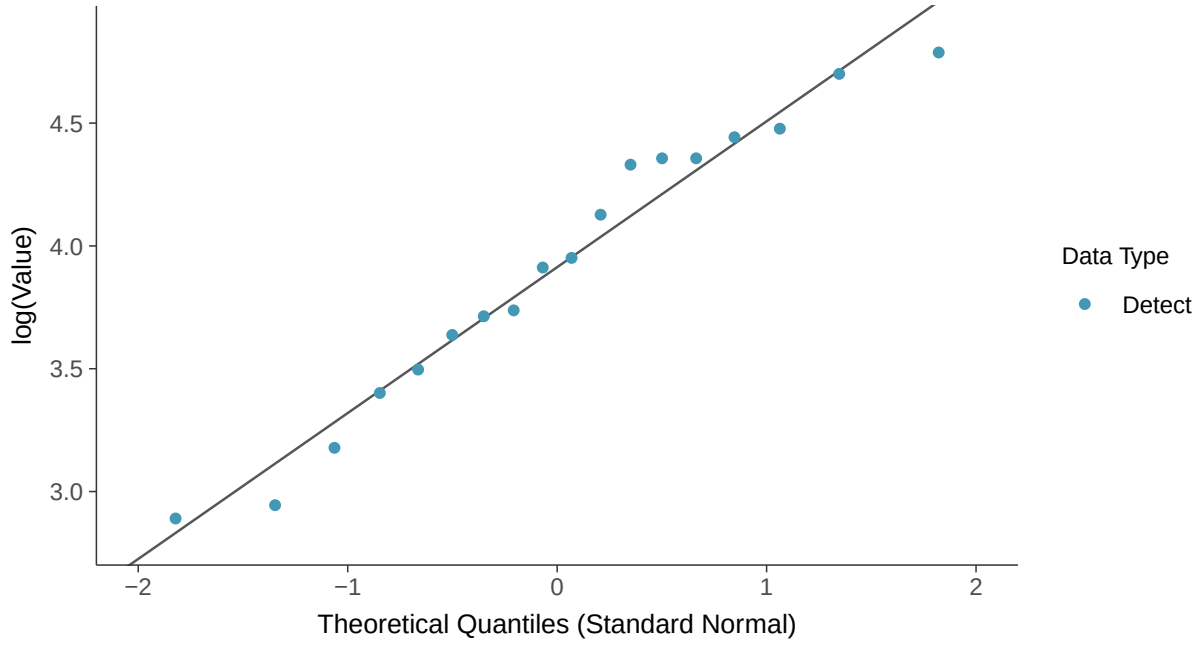
Normal Q-Q plot

Sulfate (as SO4), MW-20 (mg/L)



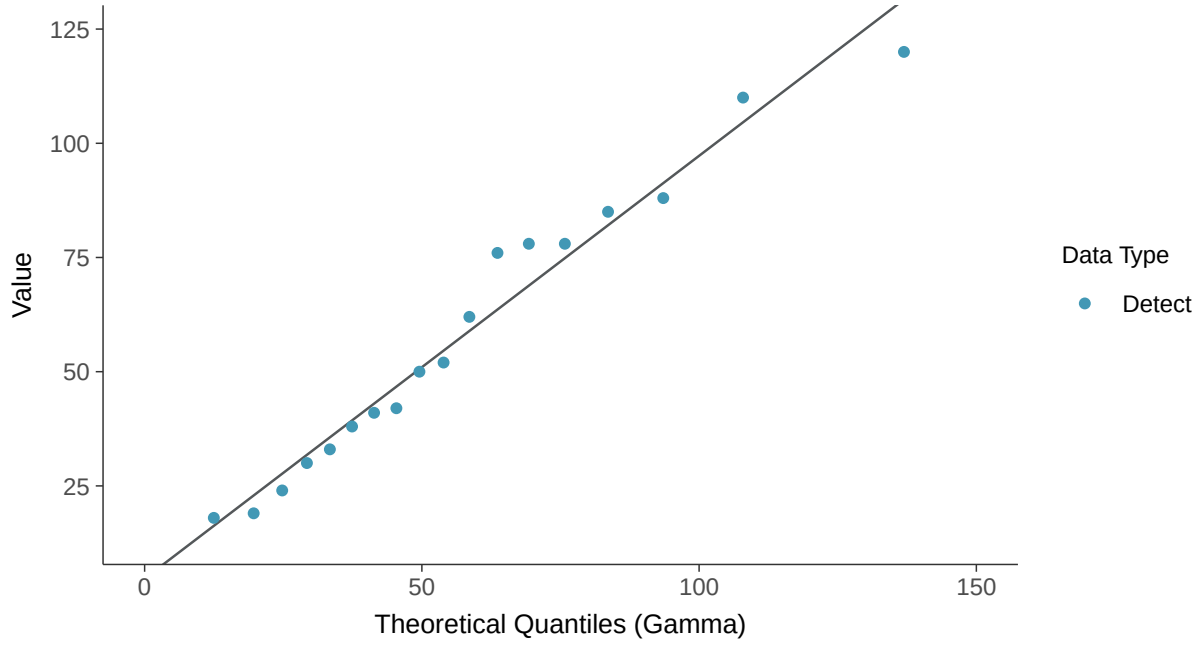
Lognormal Q-Q plot

Sulfate (as SO4), MW-20 (mg/L)



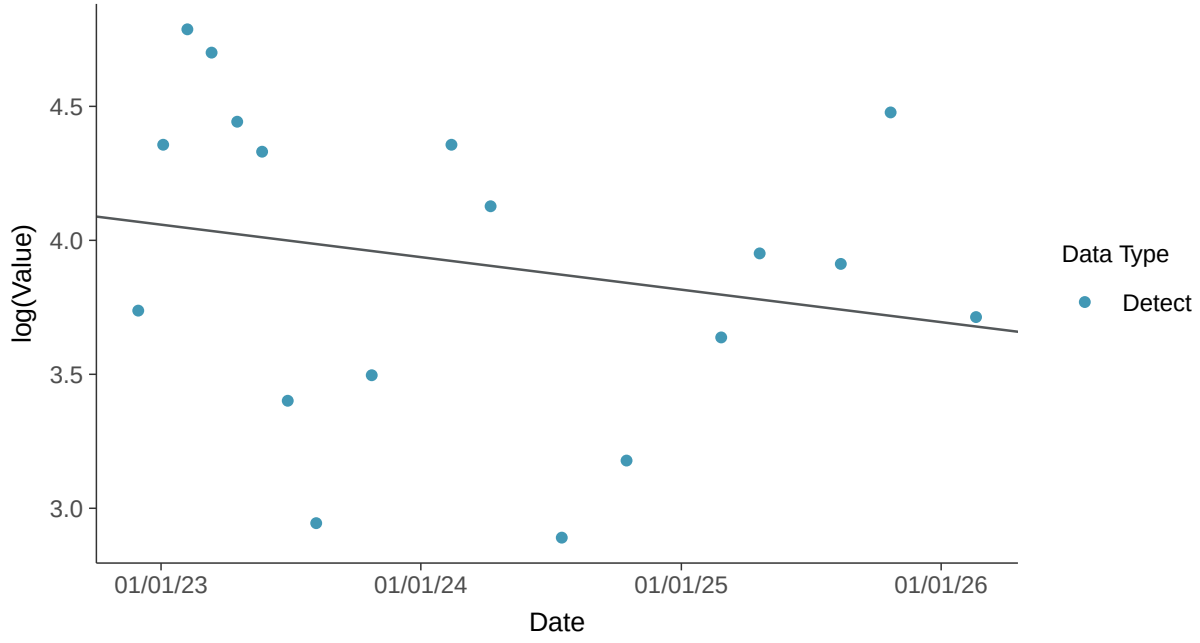
Gamma Q-Q plot

Sulfate (as SO4), MW-20 (mg/L)



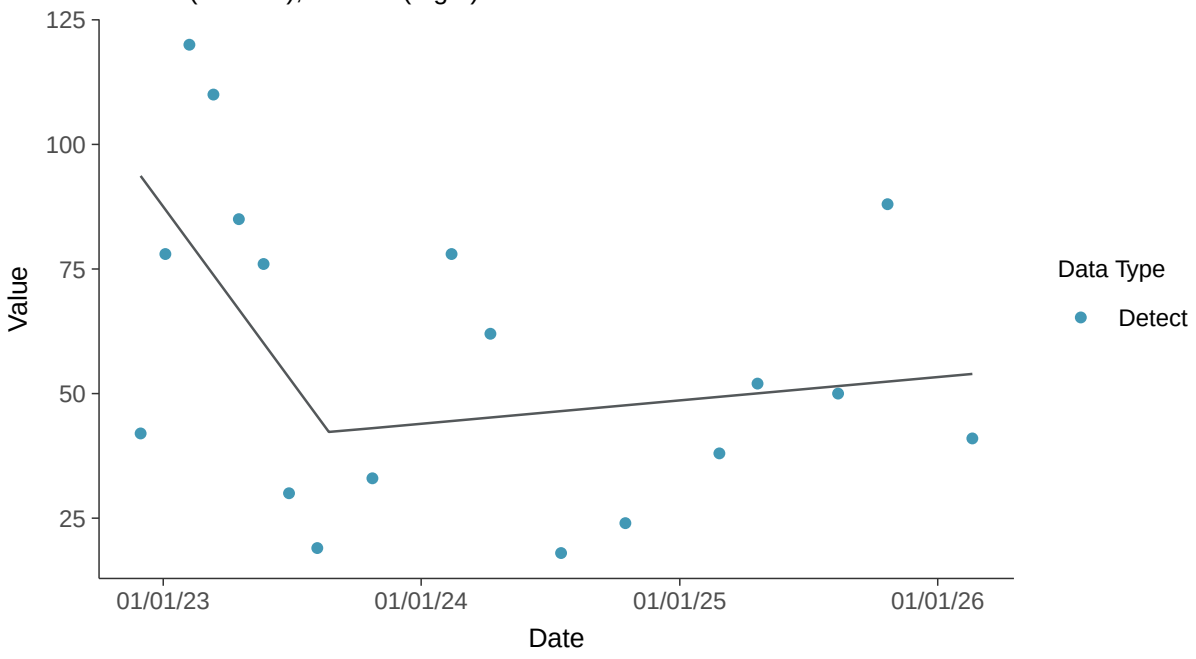
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-20 (mg/L)



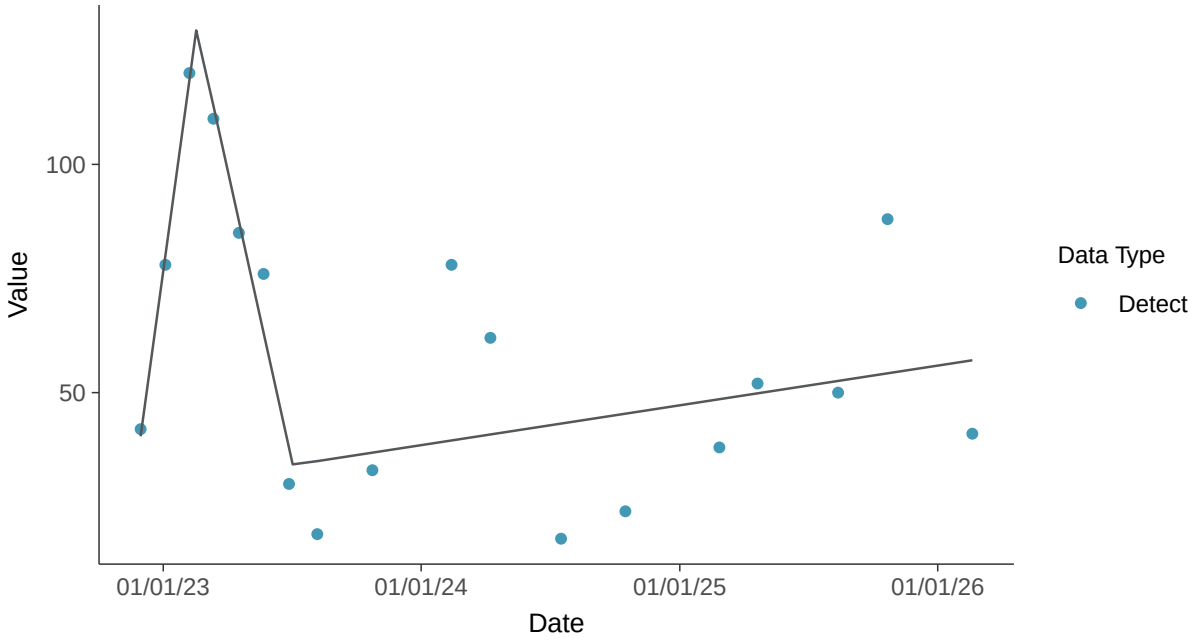
Trend Regression: Piecewise Linear-Linear

Sulfate (as SO4), MW-20 (mg/L)



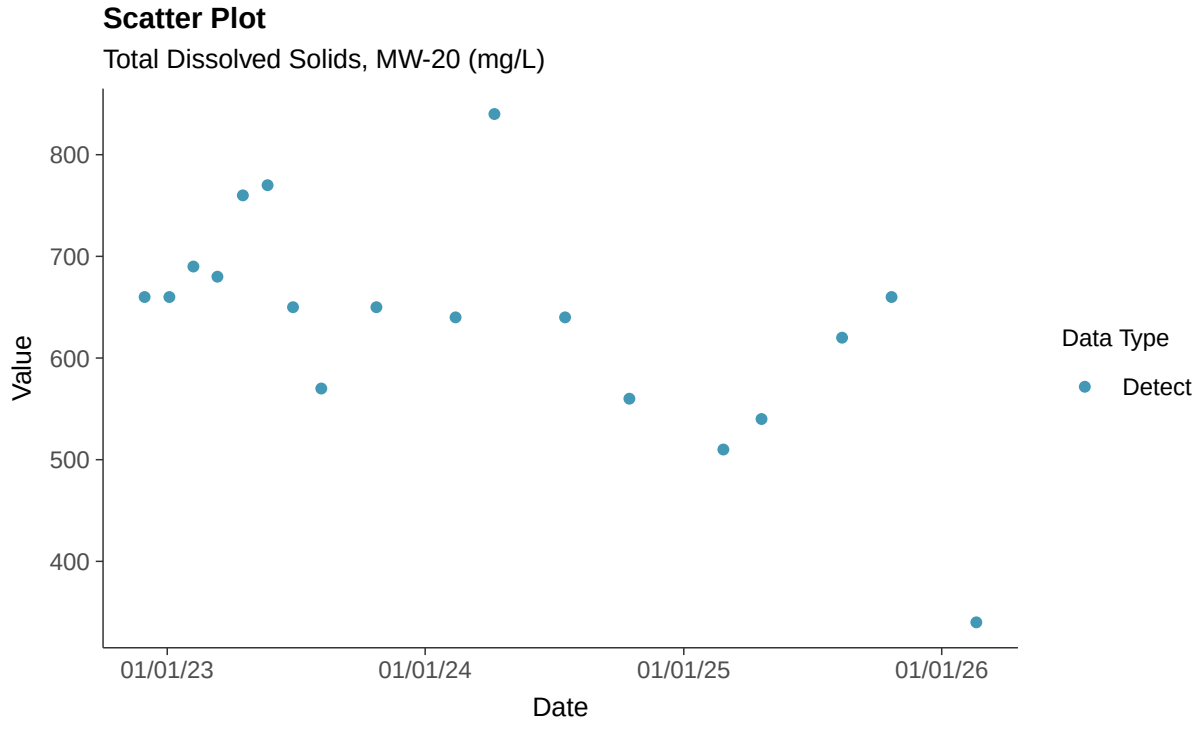
Trend Regression: Piecewise Linear-Linear-Linear

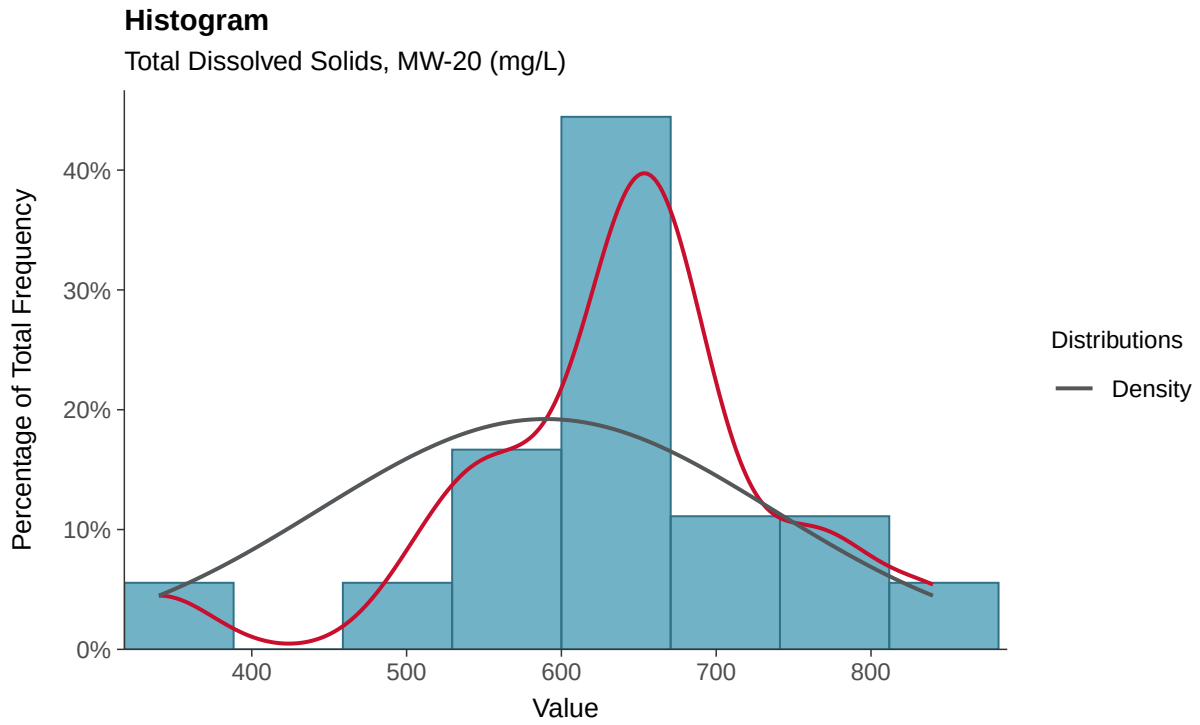
Sulfate (as SO4), MW-20 (mg/L)



Appendix III: Total Dissolved Solids, MW-20

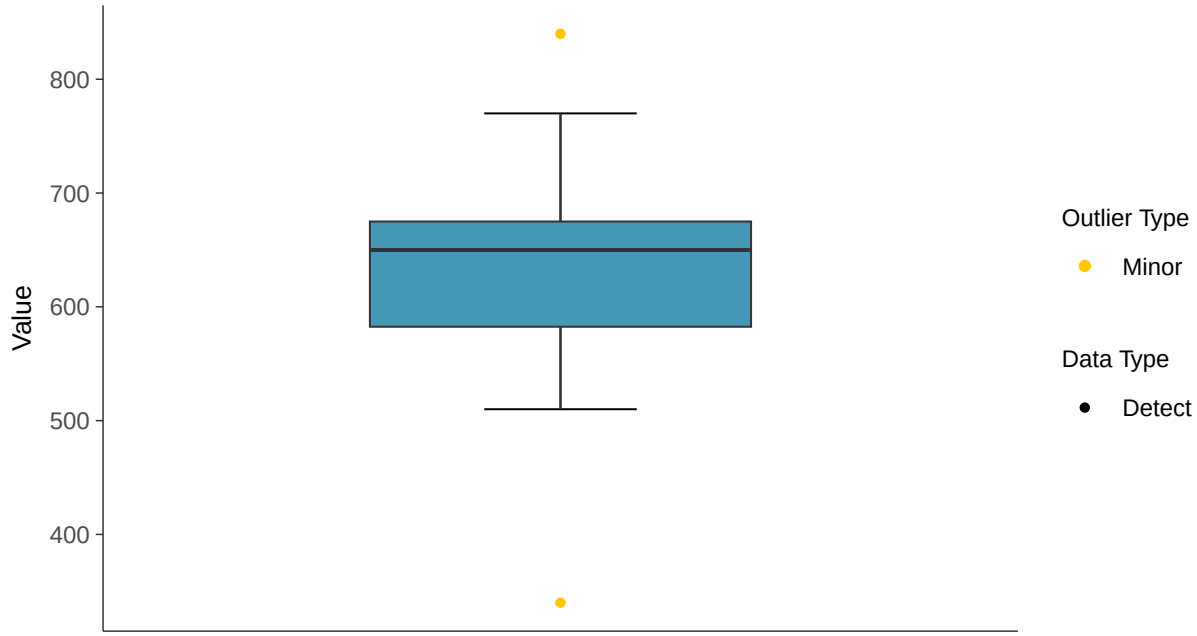
ID: 30_1_3_126





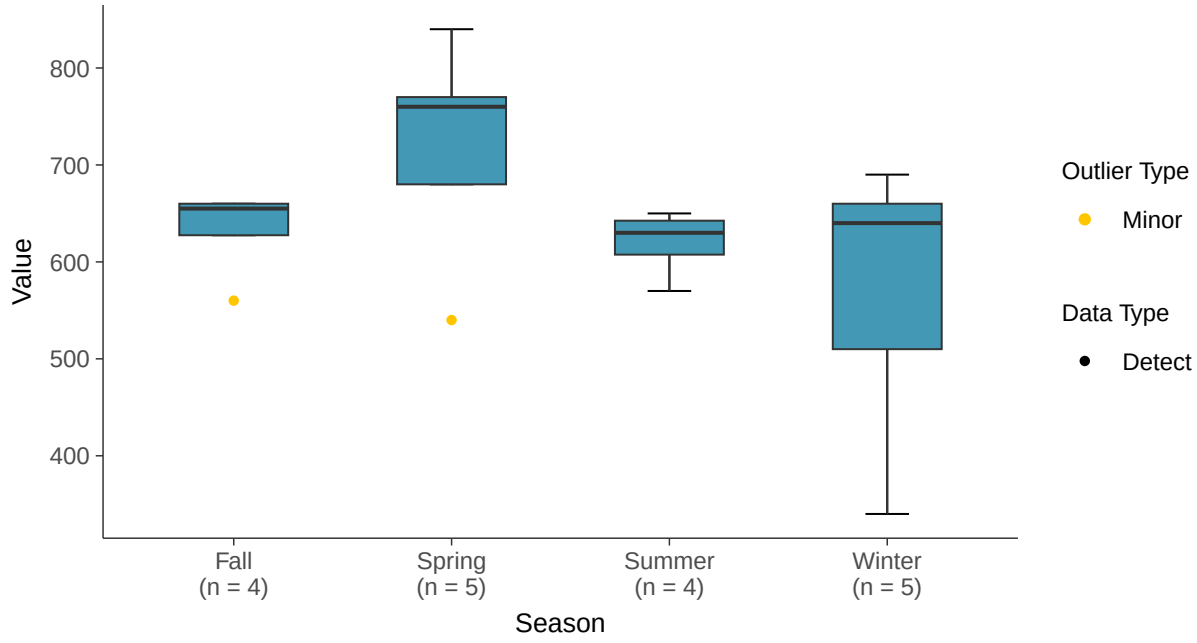
Boxplot

Total Dissolved Solids, MW-20 (mg/L)



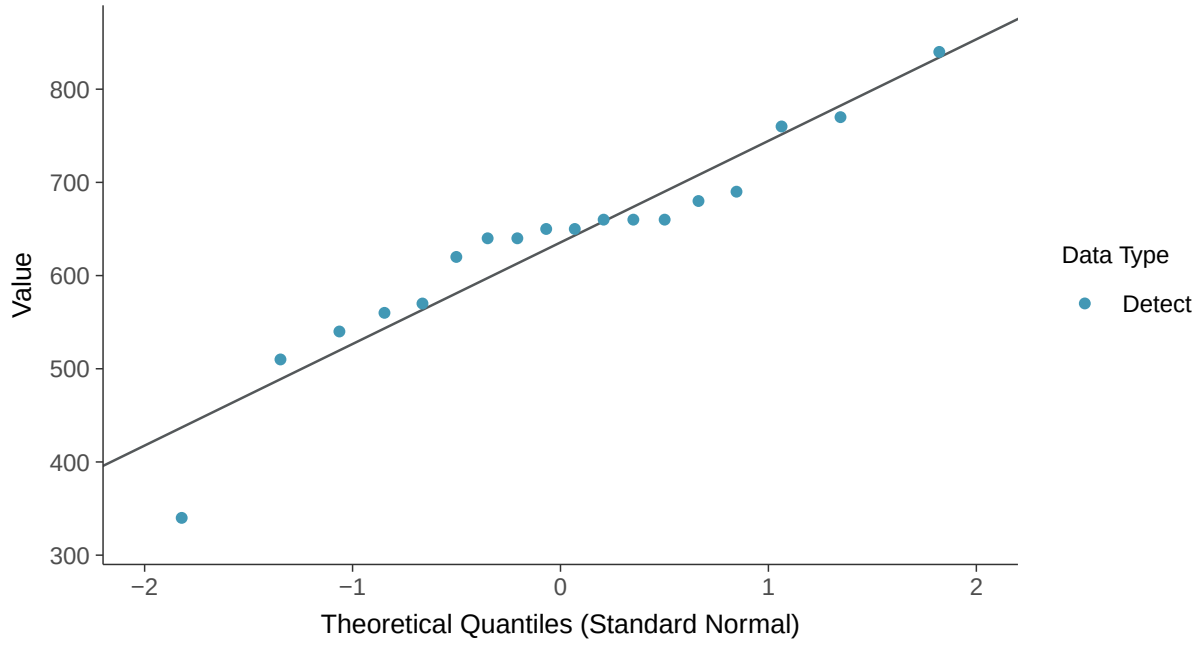
Boxplot by Season

Total Dissolved Solids, MW-20 (mg/L)



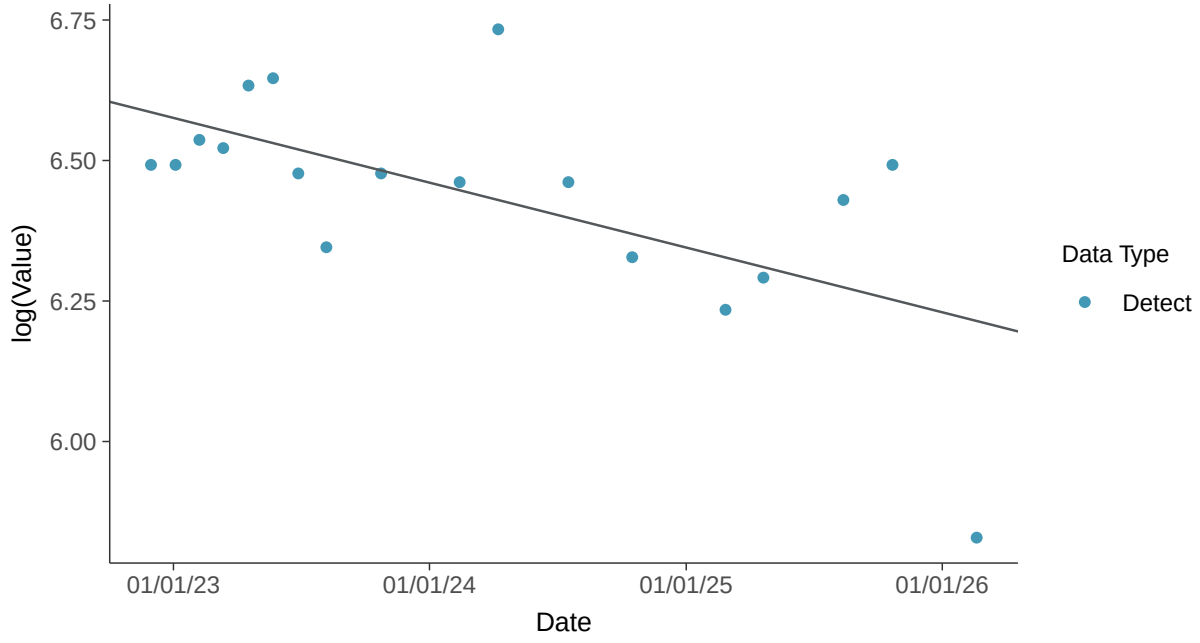
Normal Q-Q plot

Total Dissolved Solids, MW-20 (mg/L)



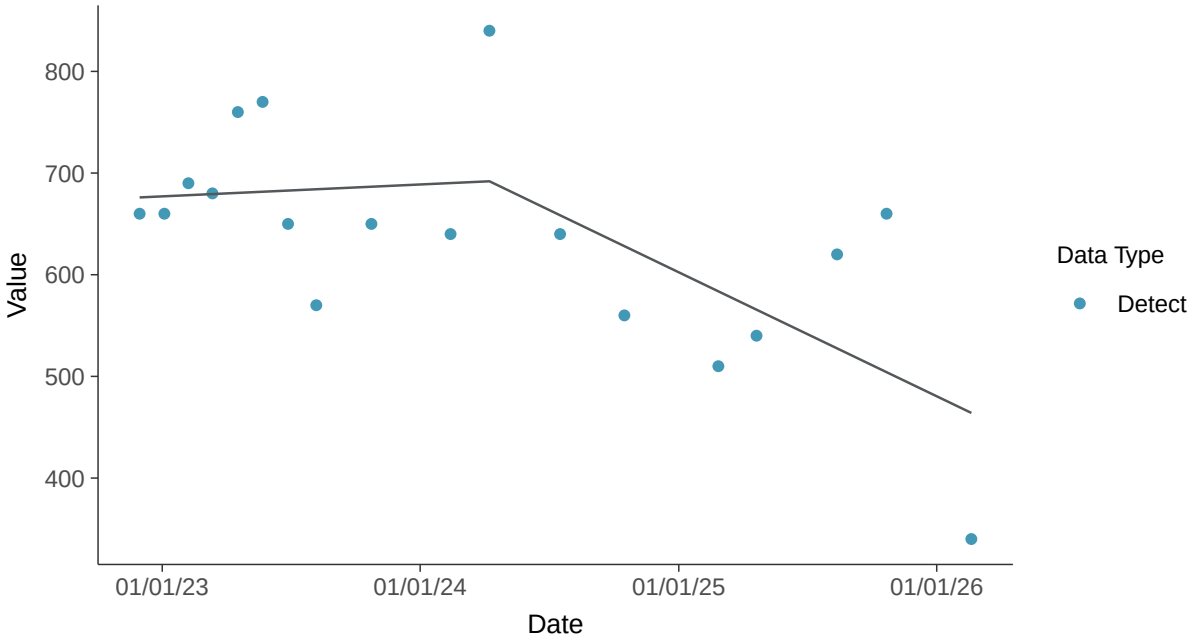
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-20 (mg/L)



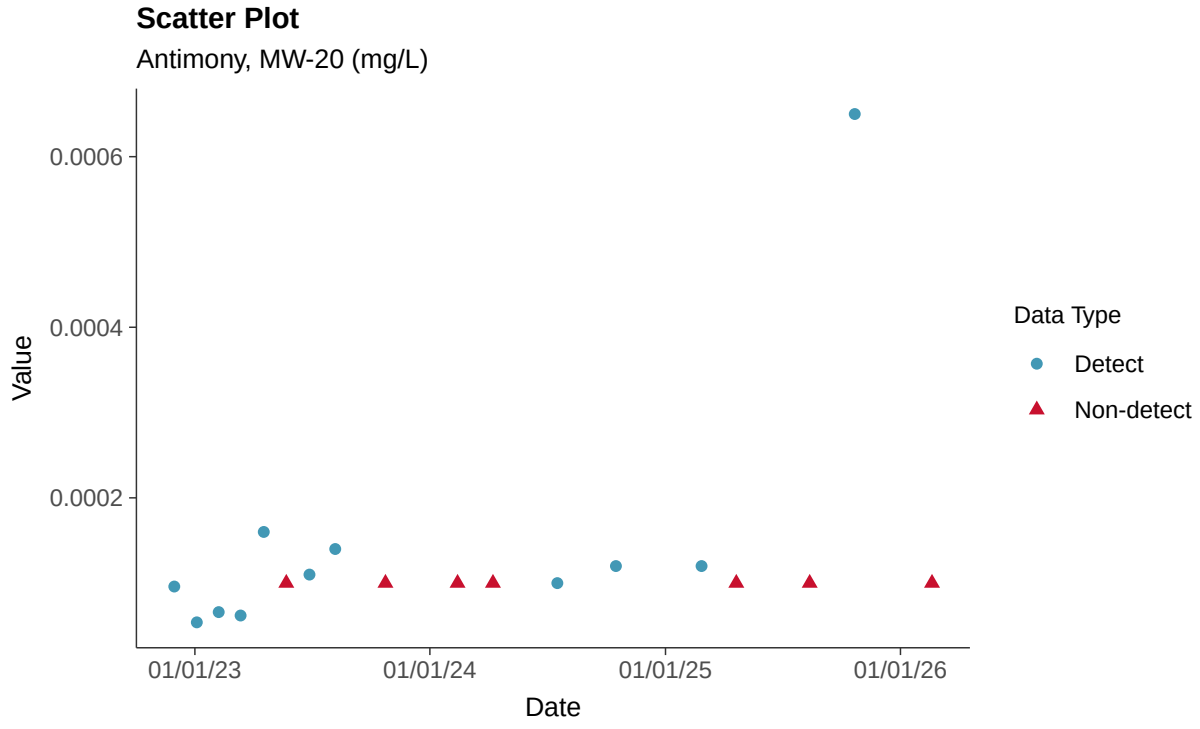
Trend Regression: Piecewise Linear-Linear

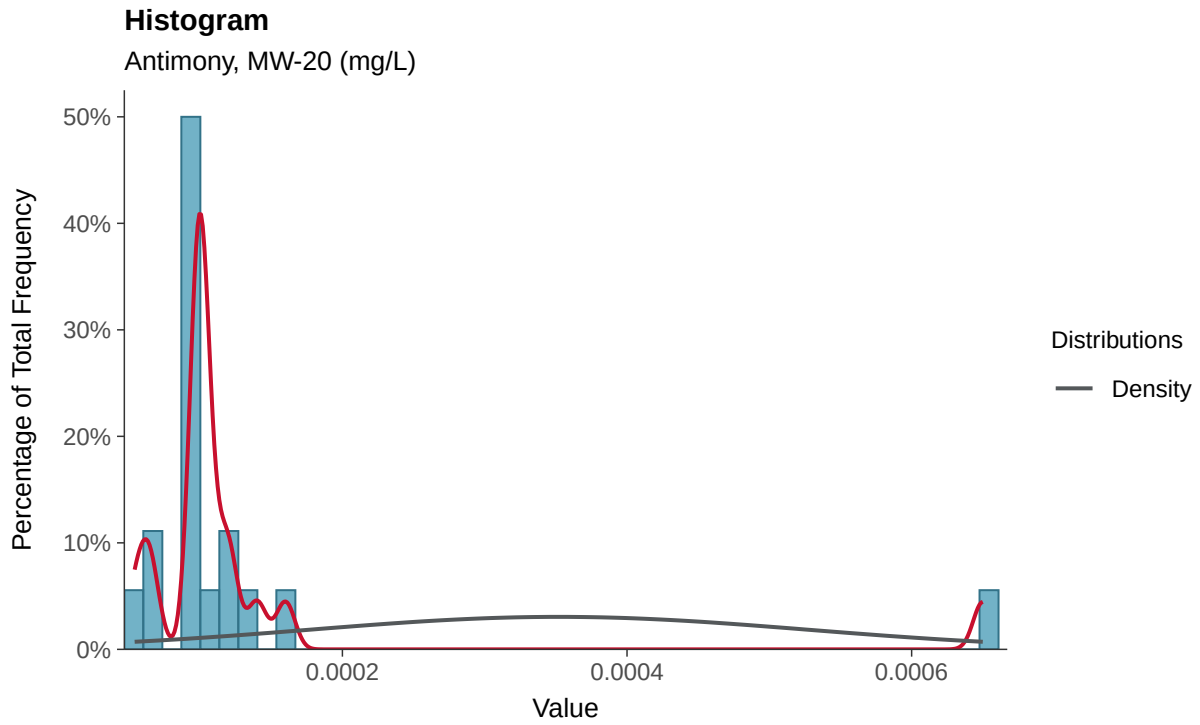
Total Dissolved Solids, MW-20 (mg/L)



Appendix IV: Antimony, MW-20

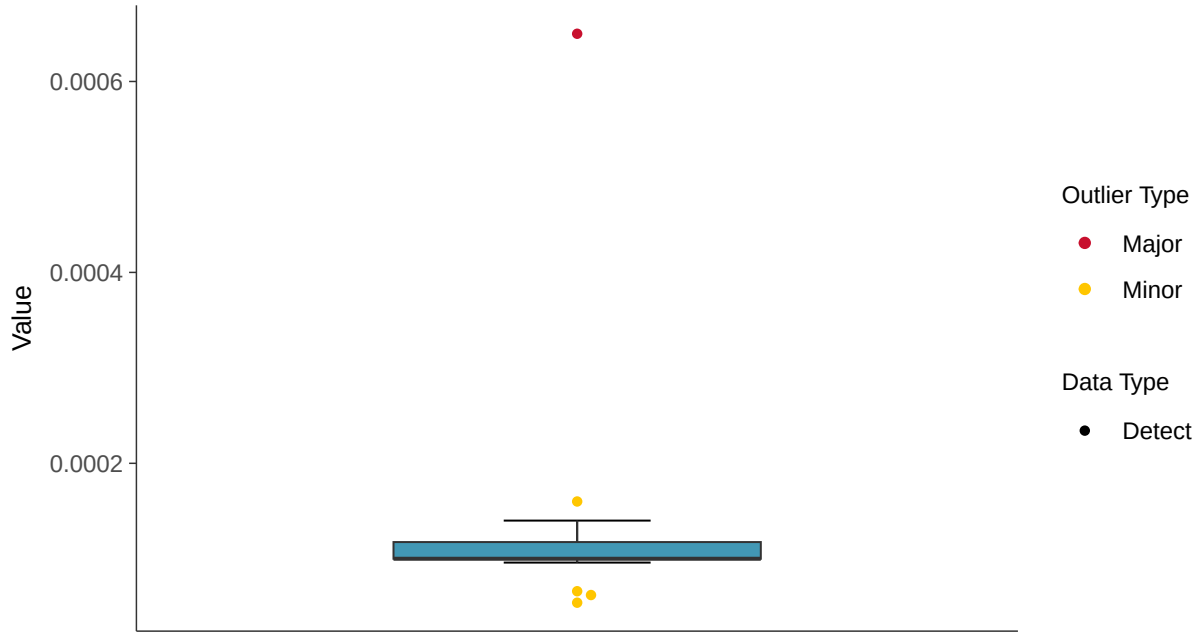
ID: 30_1_4_101





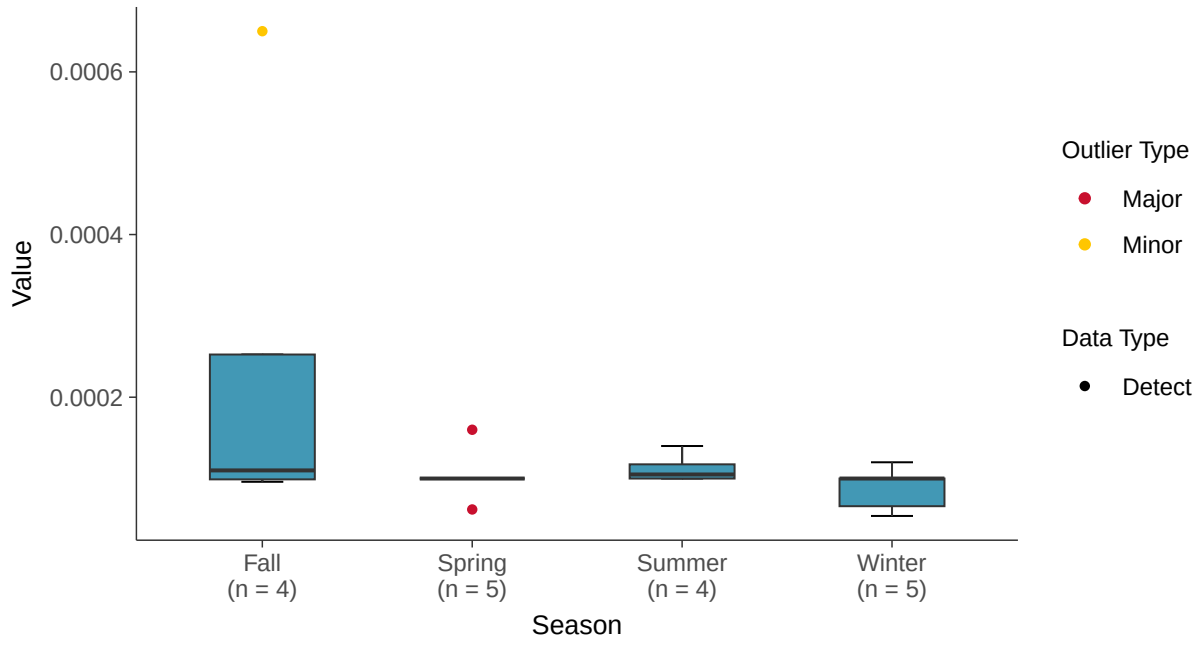
Boxplot

Antimony, MW-20 (mg/L)



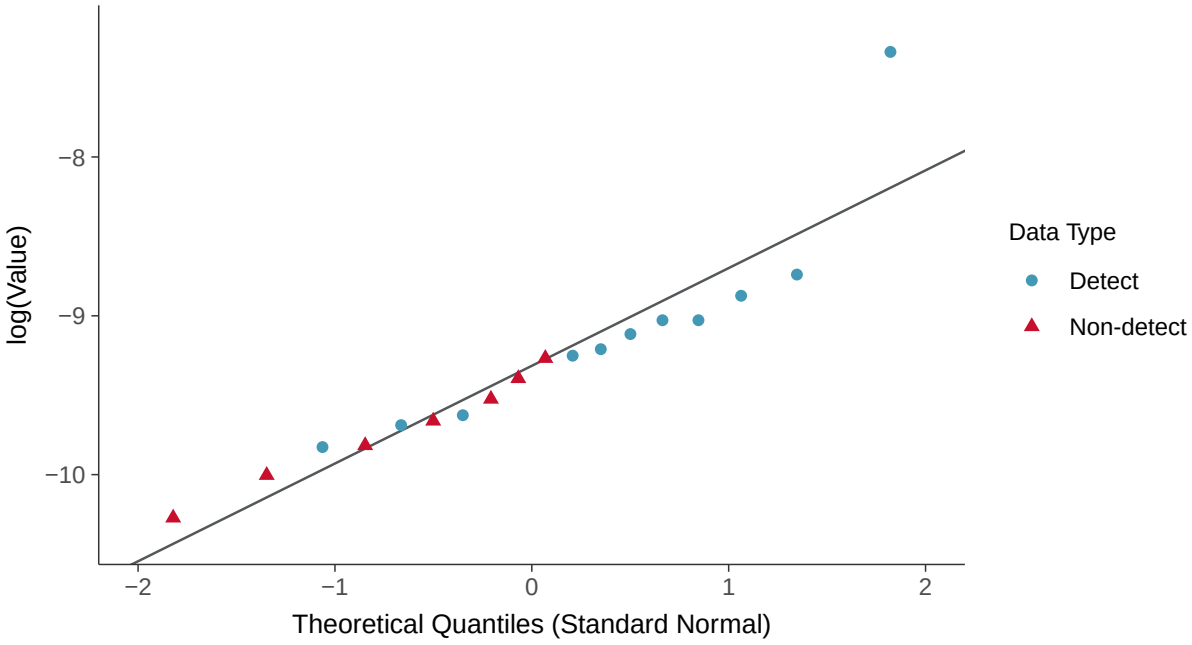
Boxplot by Season

Antimony, MW-20 (mg/L)



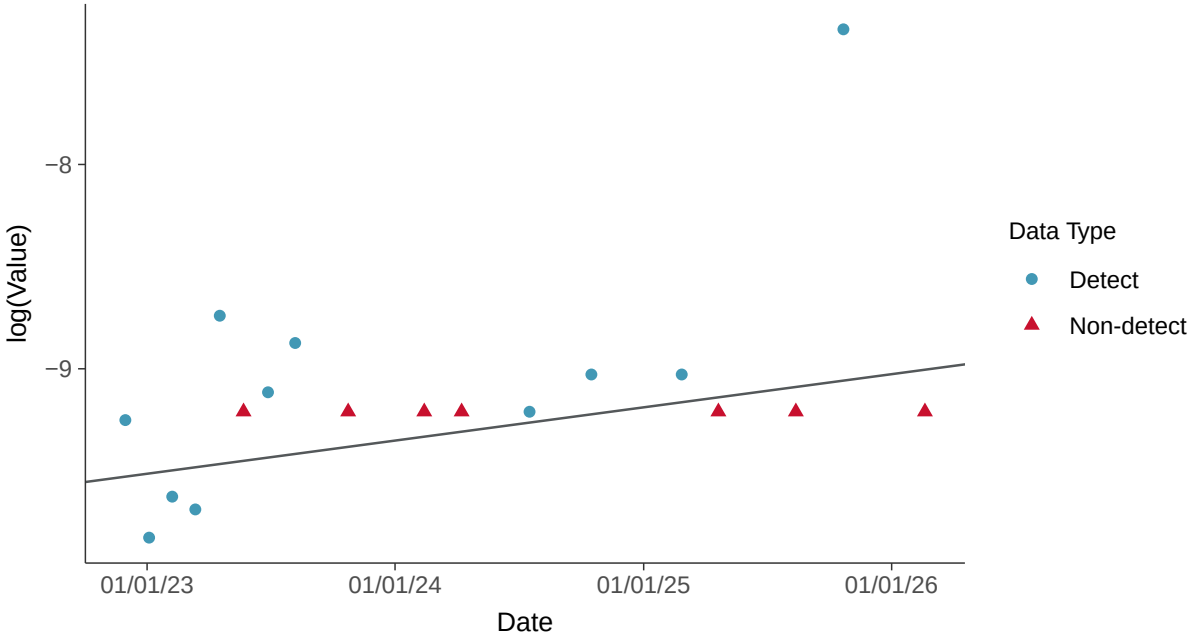
Lognormal Q-Q plot using ROS Imputed Estimates

Antimony, MW-20 (mg/L)



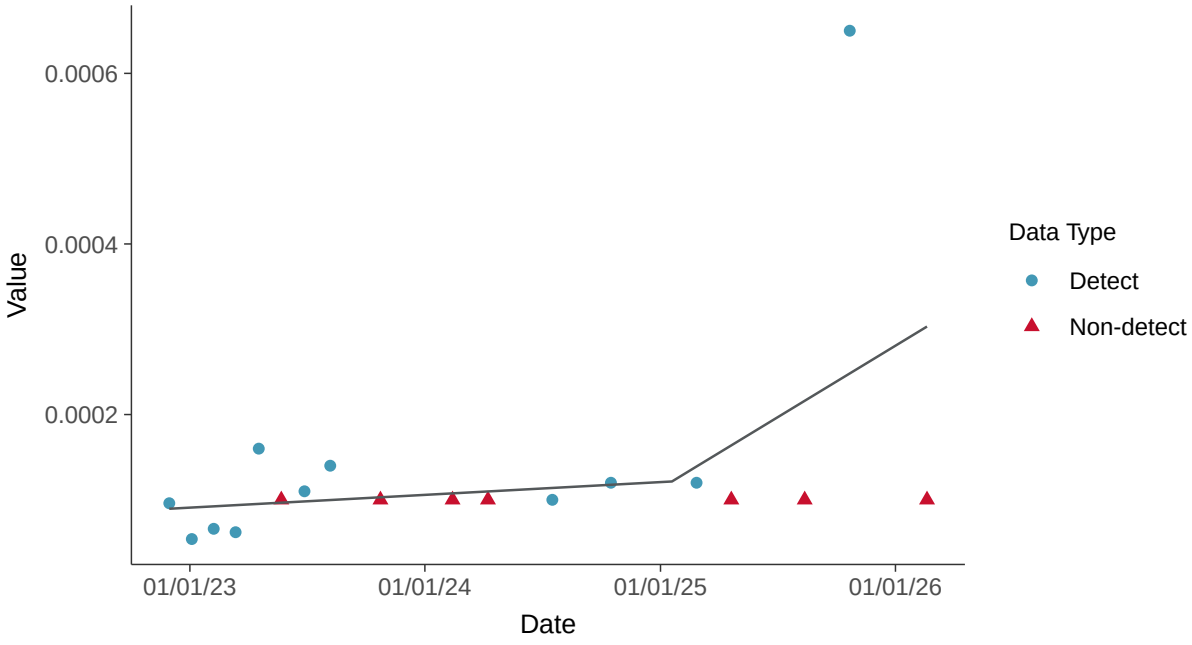
Trend Regression: Lognormal MLE

Antimony, MW-20 (mg/L)



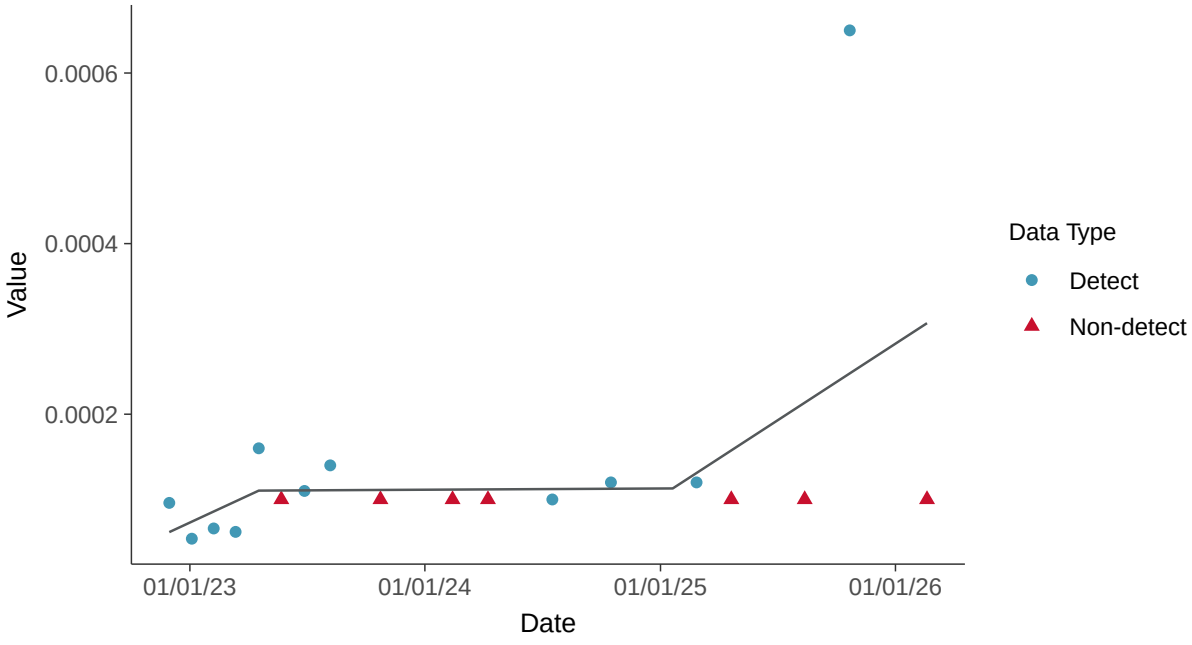
Trend Regression: Piecewise Linear-Linear

Antimony, MW-20 (mg/L)



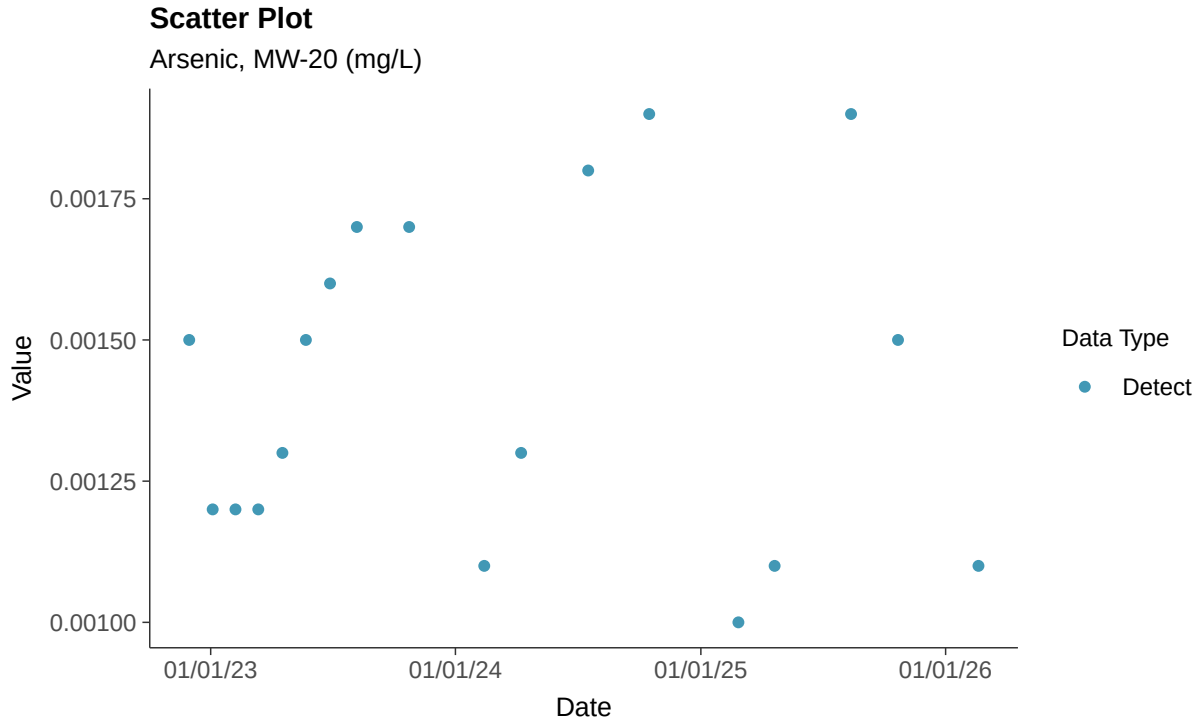
Trend Regression: Piecewise Linear-Linear-Linear

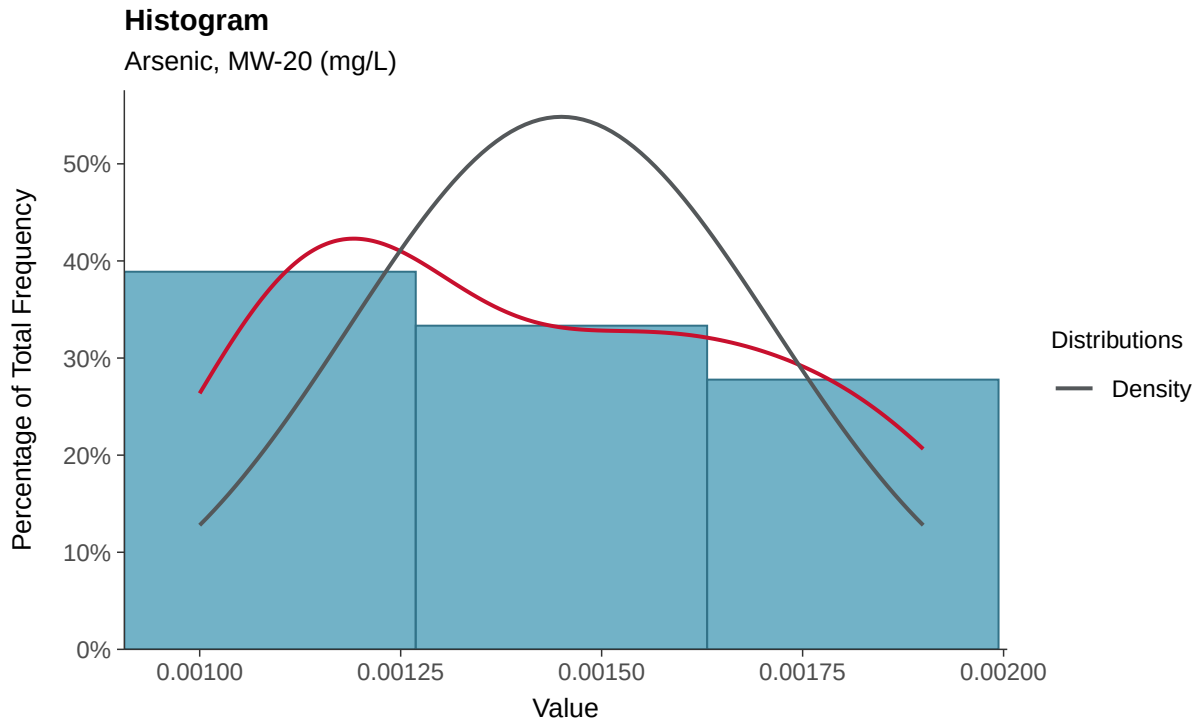
Antimony, MW-20 (mg/L)



Appendix IV: Arsenic, MW-20

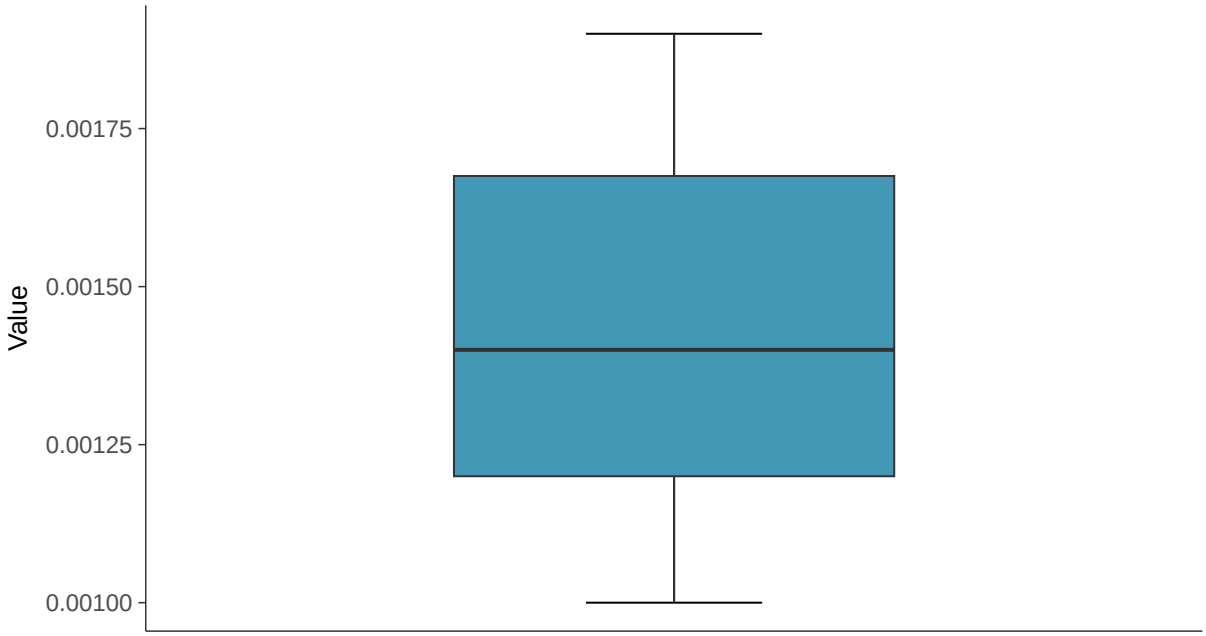
ID: 30_1_4_102





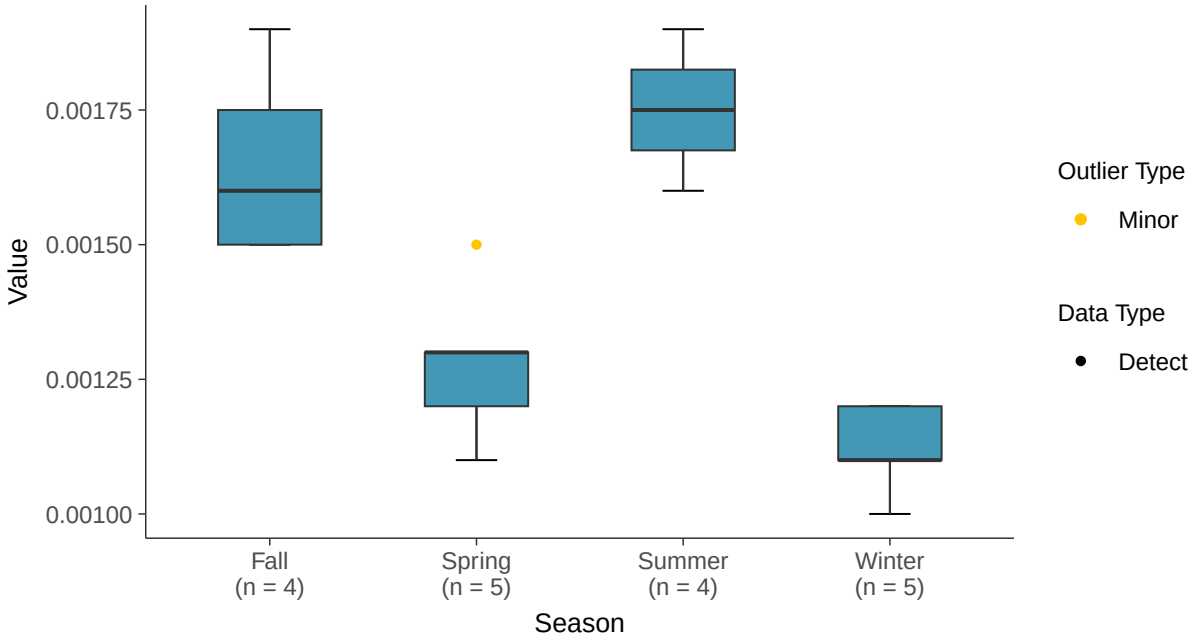
Boxplot

Arsenic, MW-20 (mg/L)



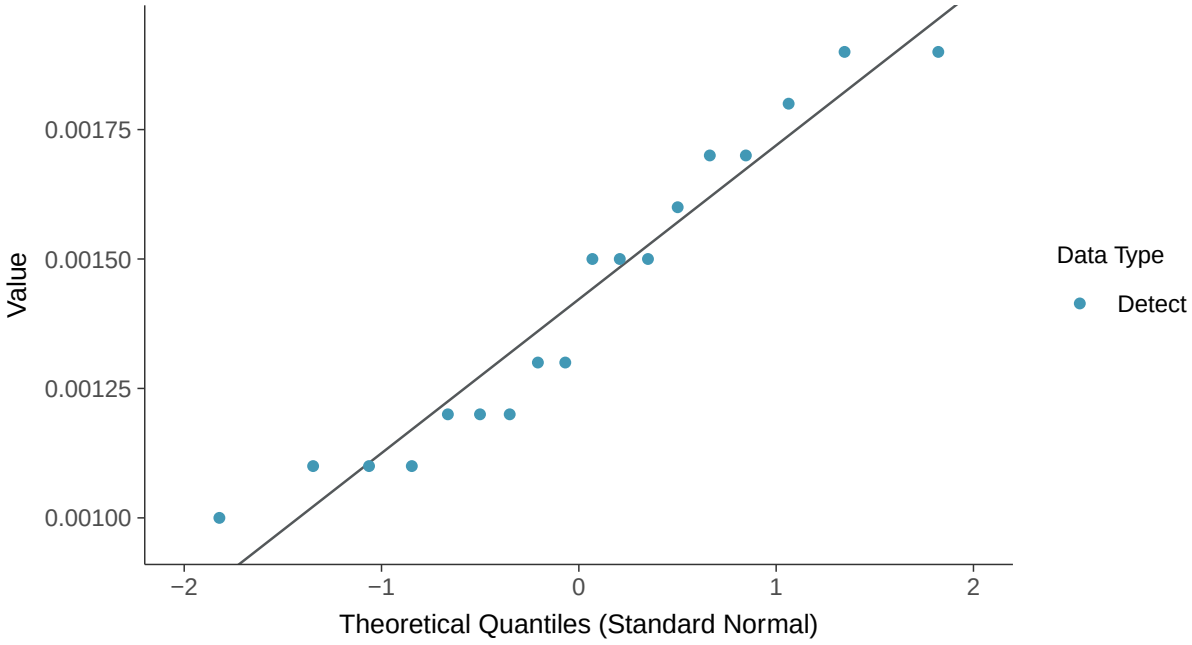
Boxplot by Season

Arsenic, MW-20 (mg/L)



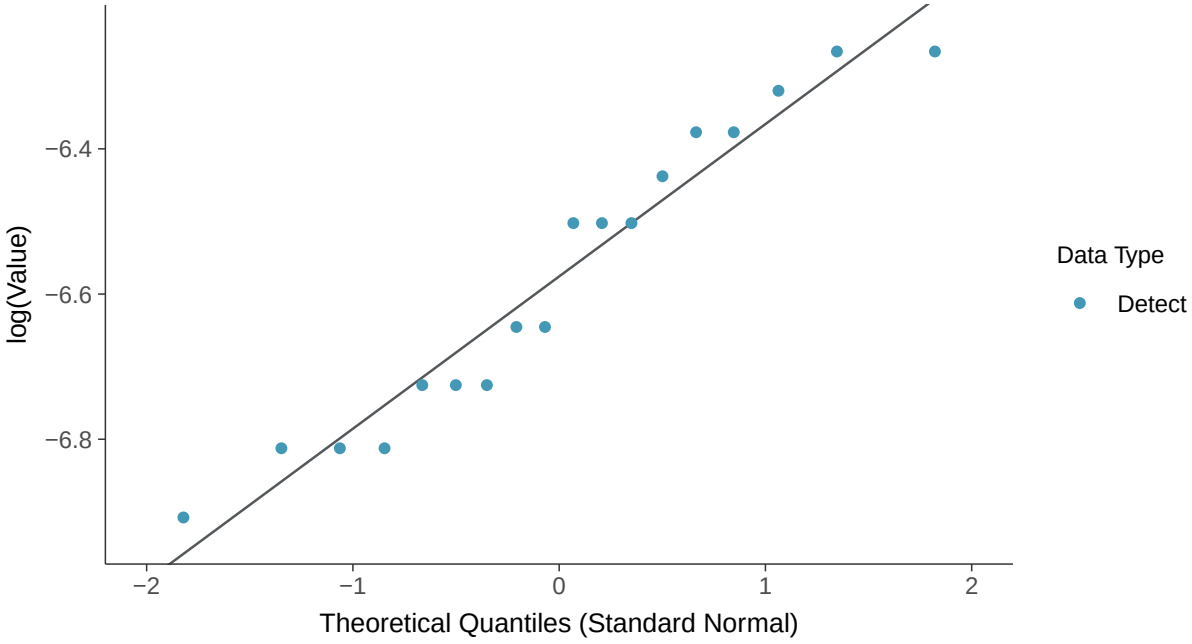
Normal Q-Q plot

Arsenic, MW-20 (mg/L)



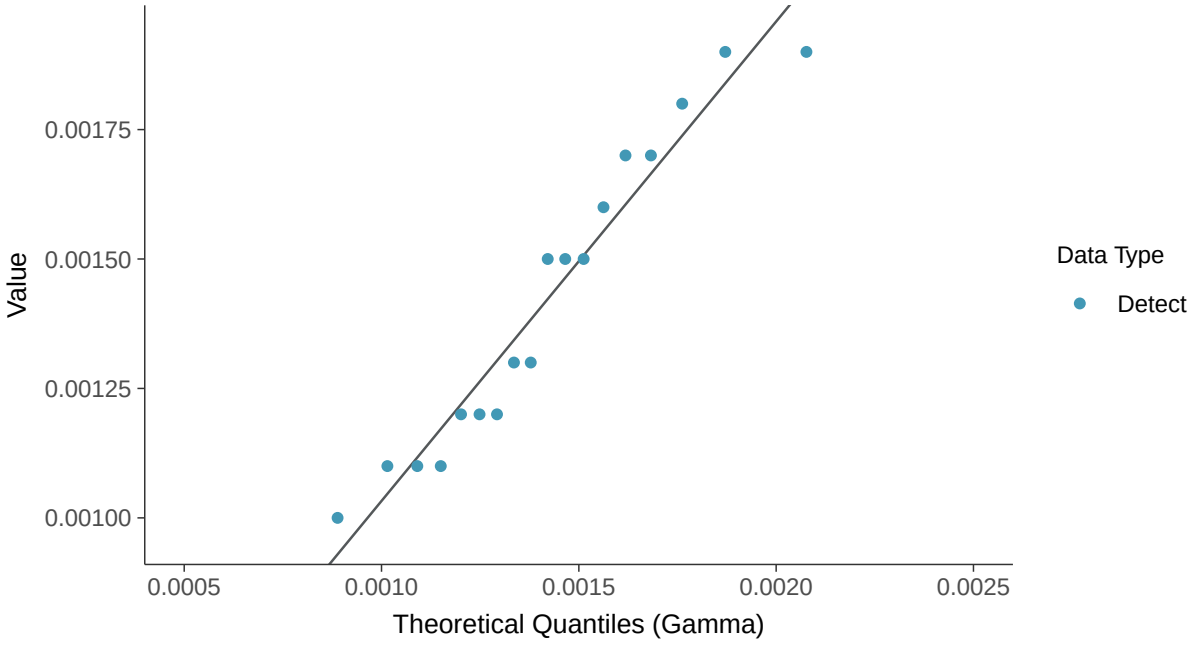
Lognormal Q-Q plot

Arsenic, MW-20 (mg/L)



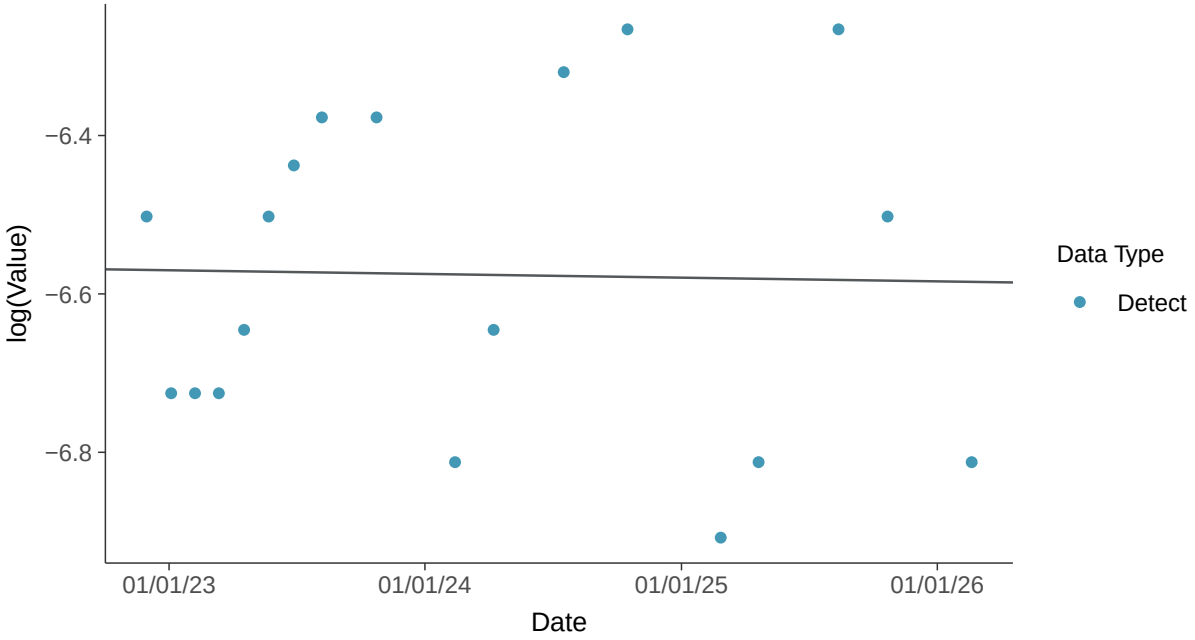
Gamma Q-Q plot

Arsenic, MW-20 (mg/L)



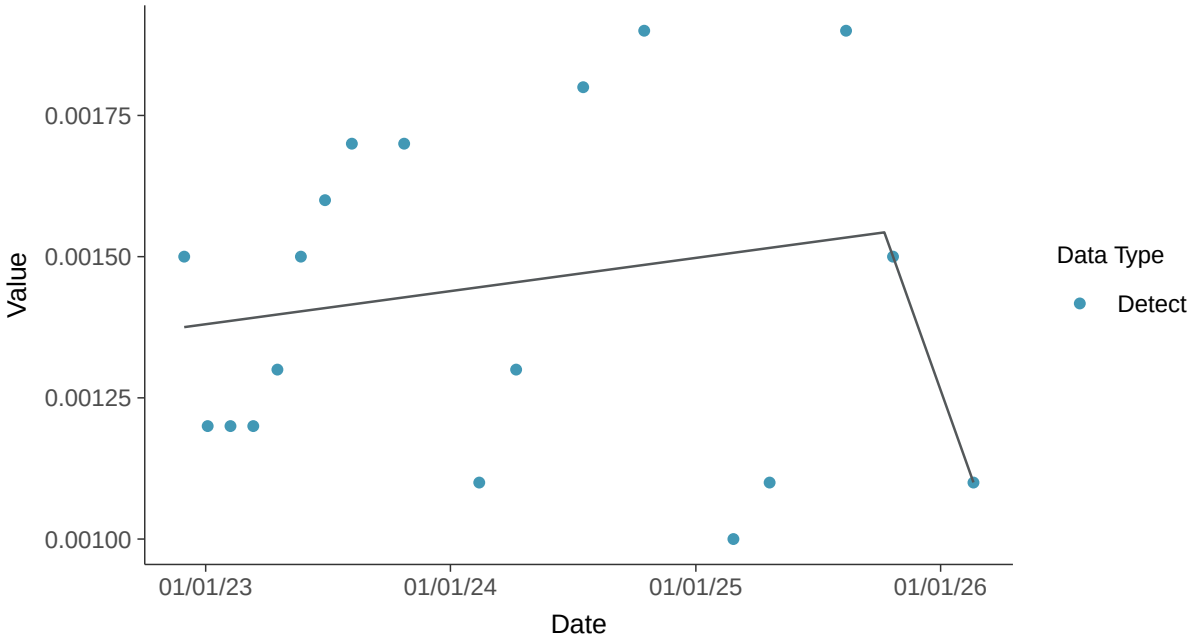
Trend Regression: Lognormal MLE

Arsenic, MW-20 (mg/L)



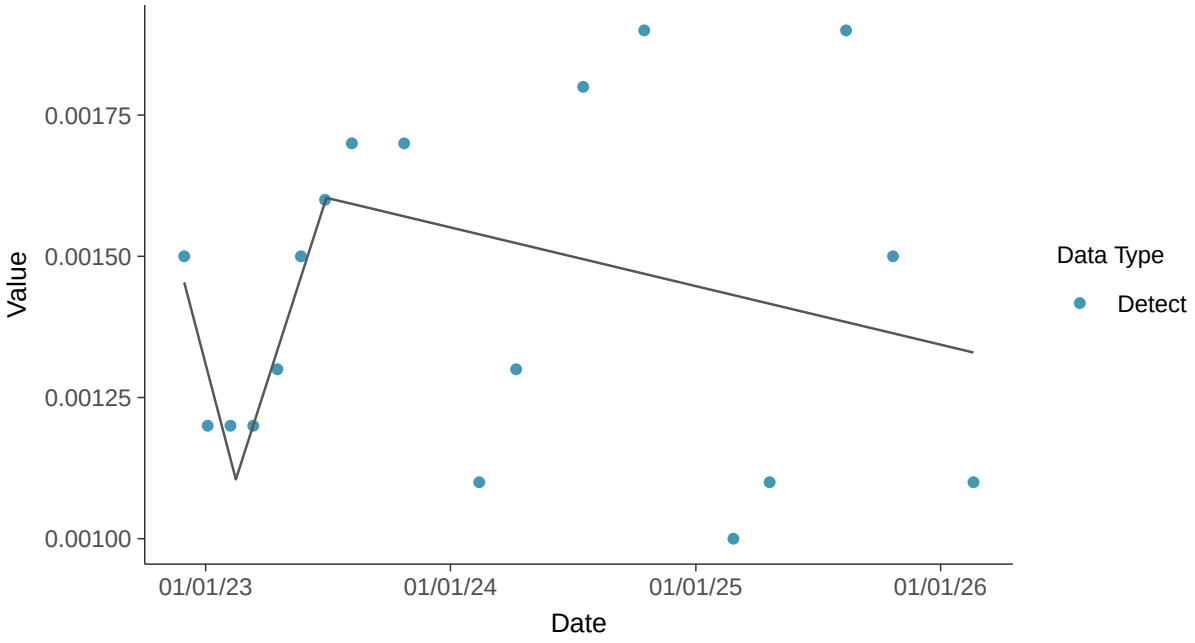
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-20 (mg/L)



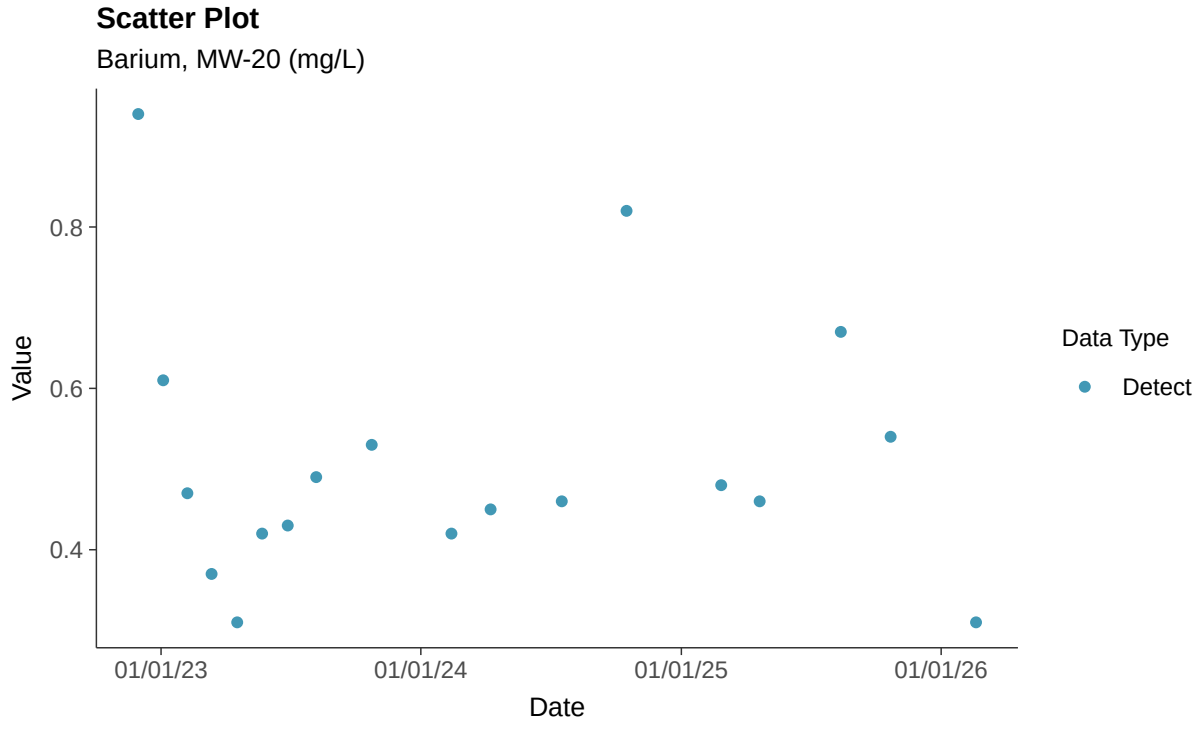
Trend Regression: Piecewise Linear-Linear-Linear

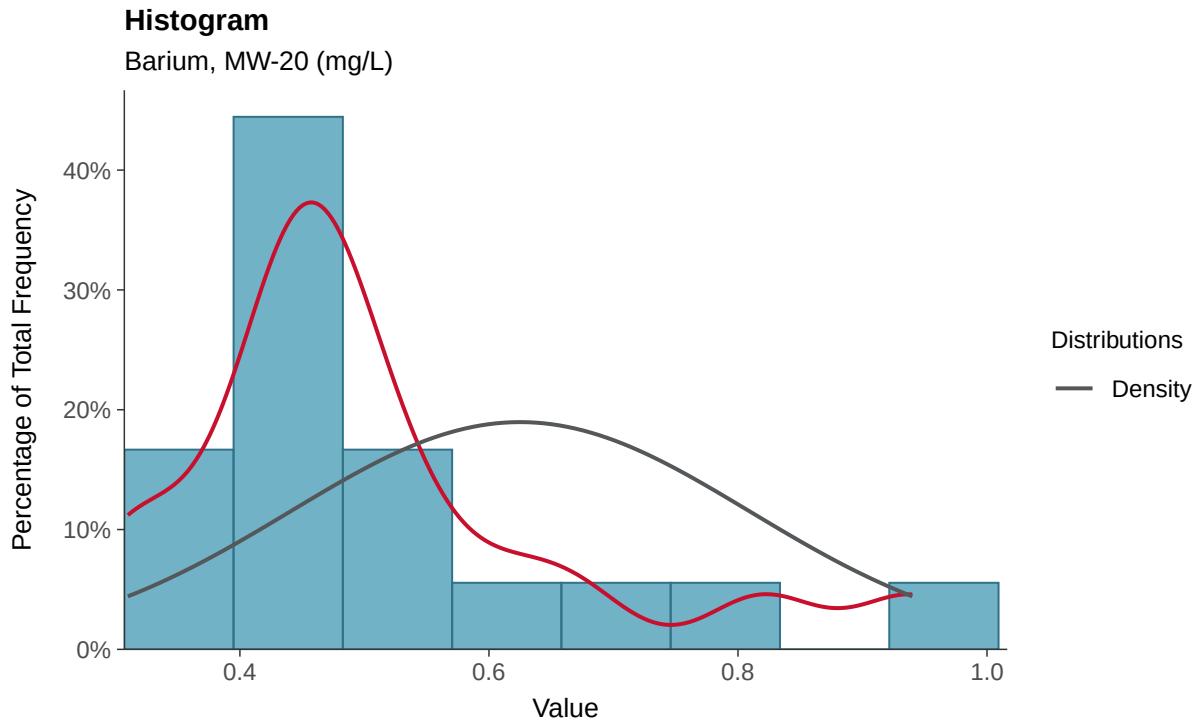
Arsenic, MW-20 (mg/L)



Appendix IV: Barium, MW-20

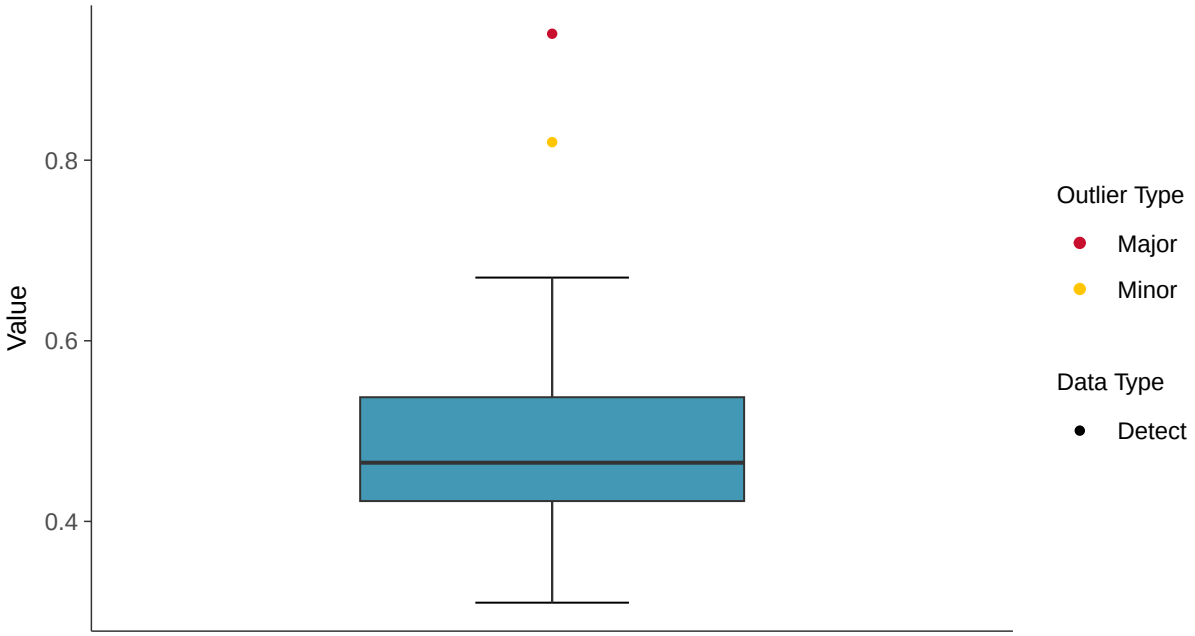
ID: 30_1_4_103





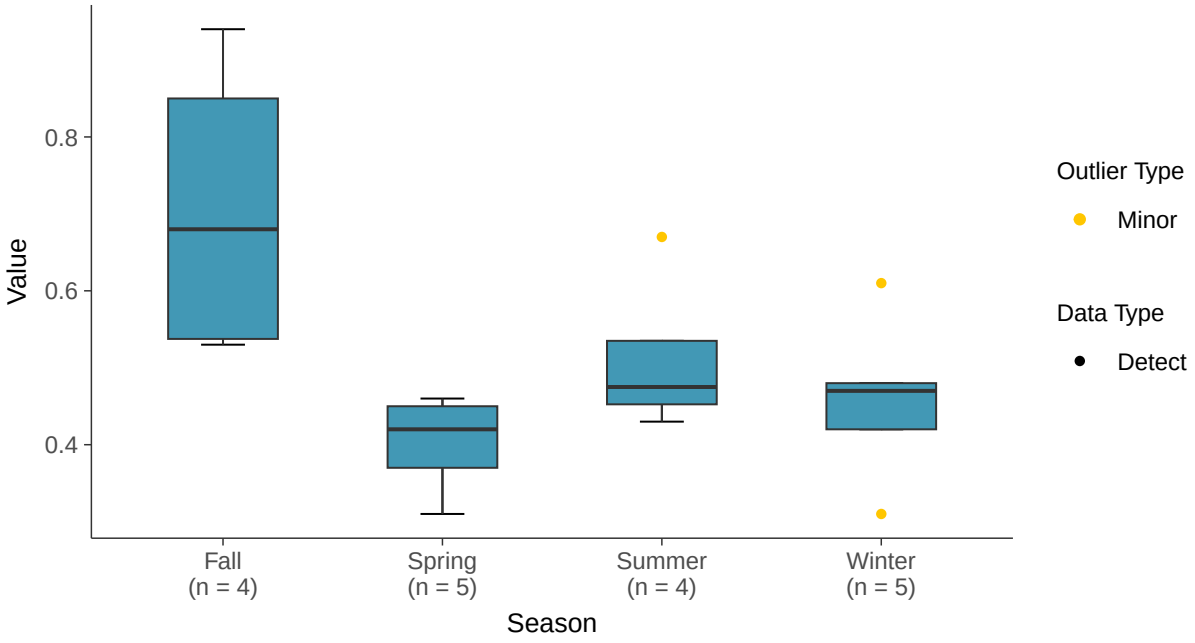
Boxplot

Barium, MW-20 (mg/L)



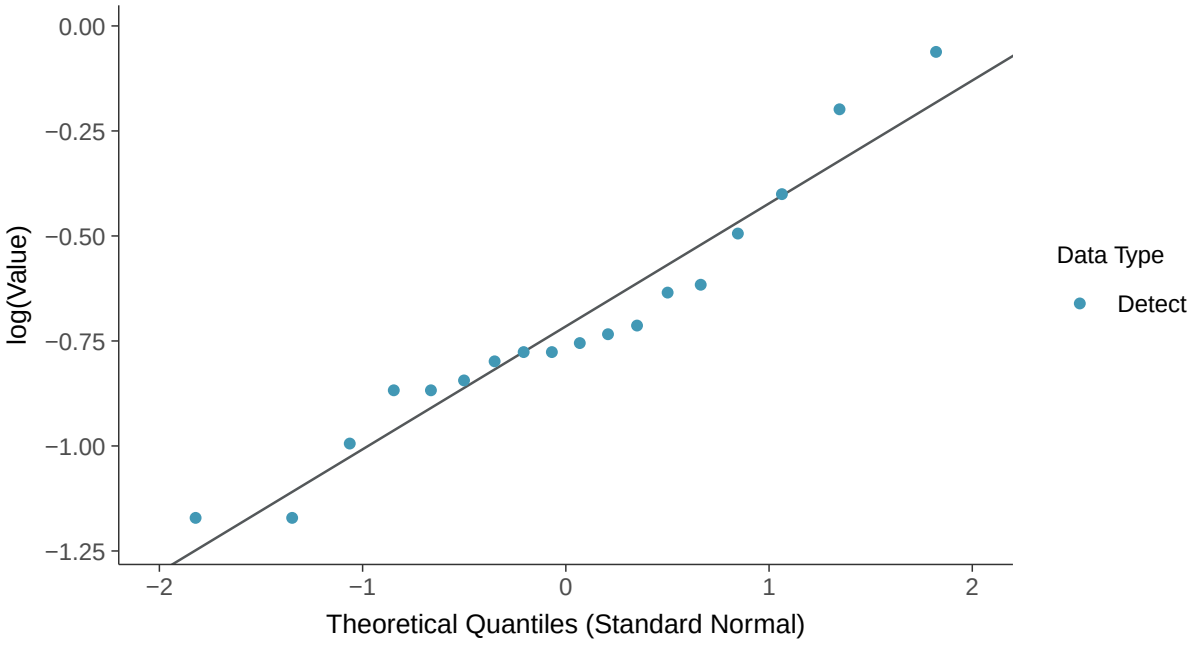
Boxplot by Season

Barium, MW-20 (mg/L)



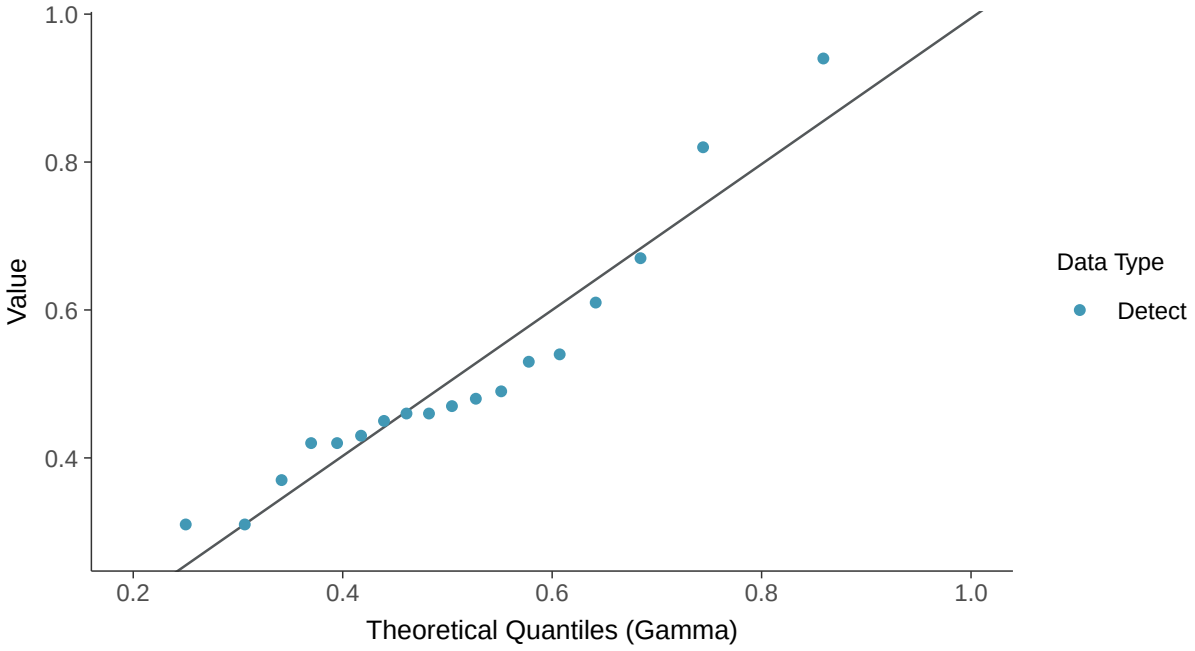
Lognormal Q-Q plot

Barium, MW-20 (mg/L)



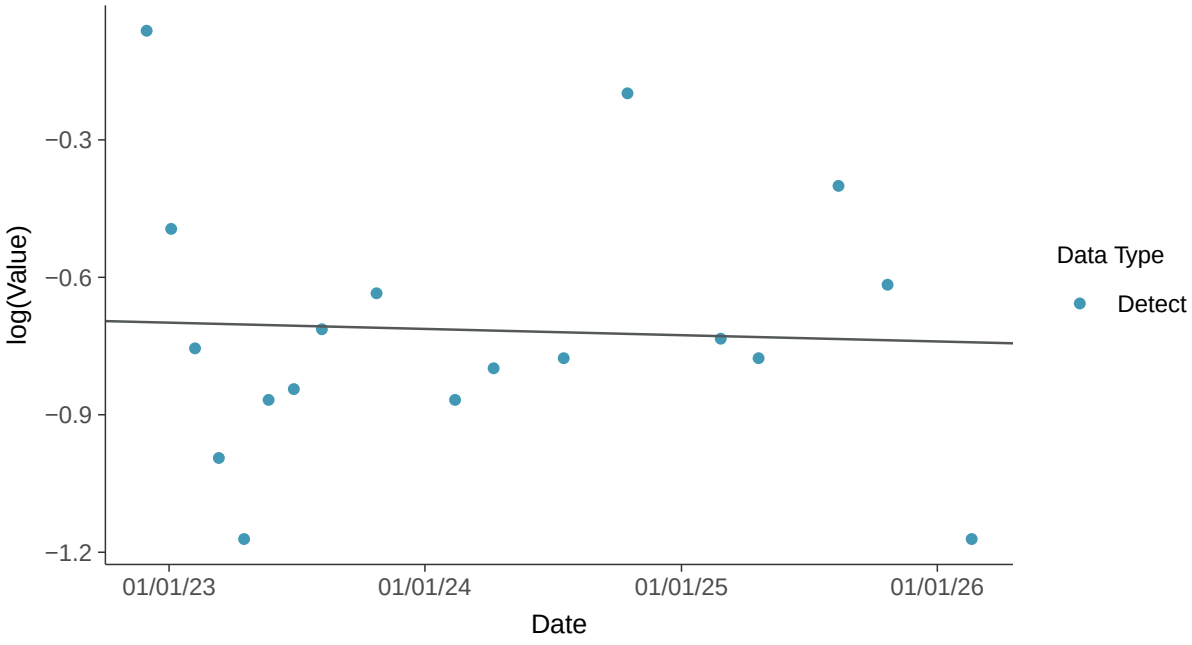
Gamma Q-Q plot

Barium, MW-20 (mg/L)



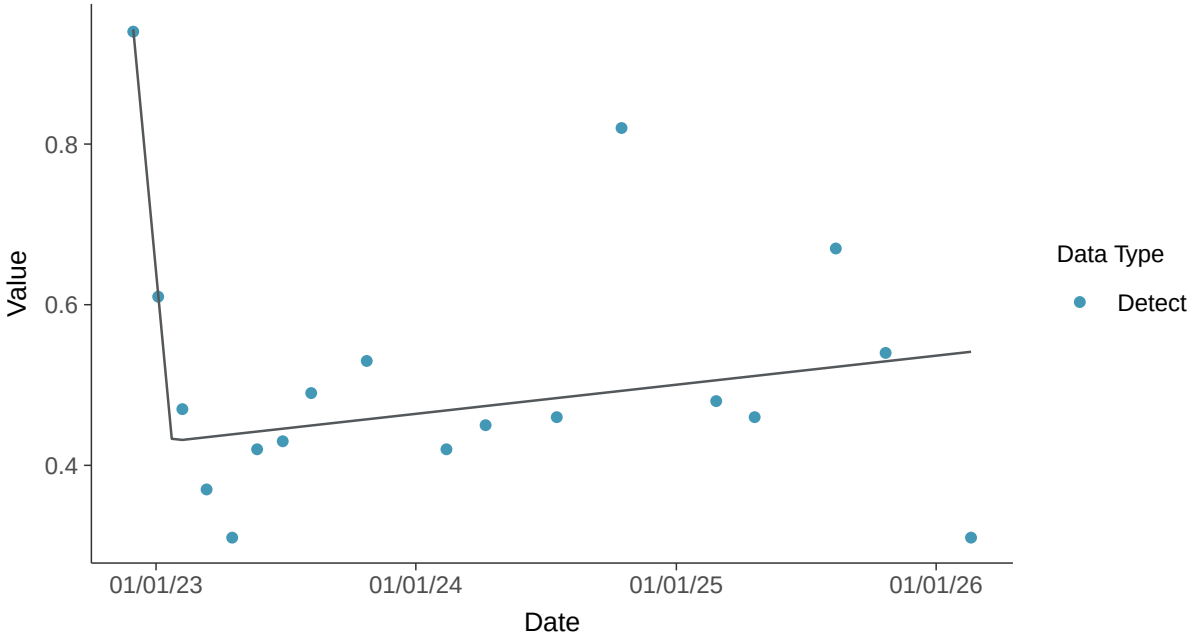
Trend Regression: Lognormal MLE

Barium, MW-20 (mg/L)



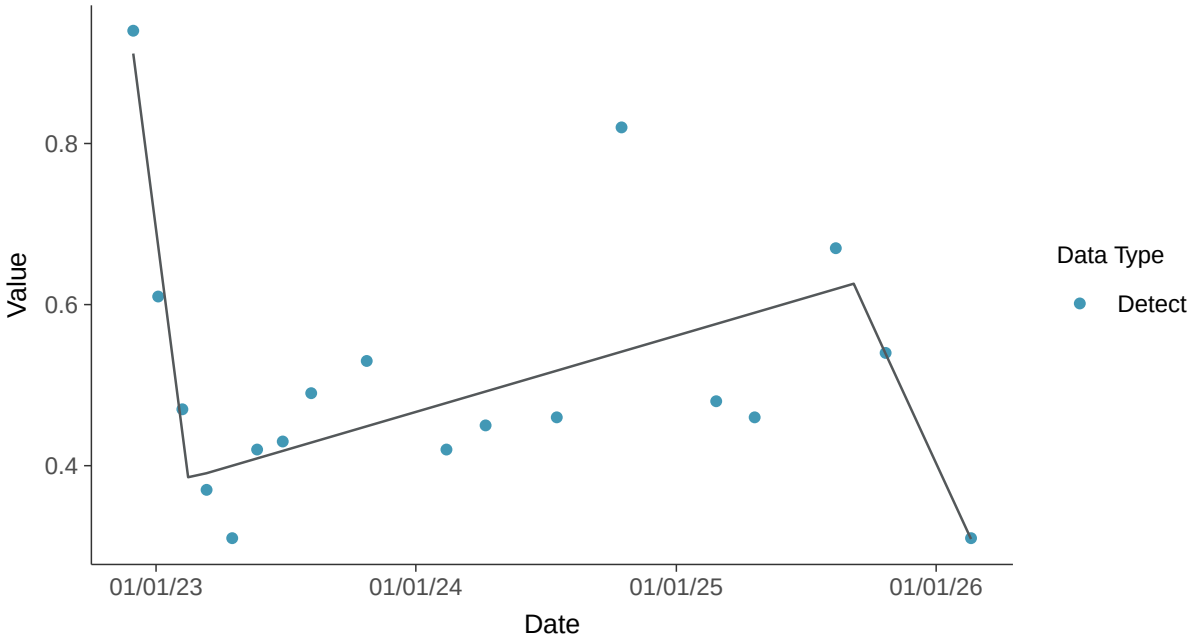
Trend Regression: Piecewise Linear-Linear

Barium, MW-20 (mg/L)



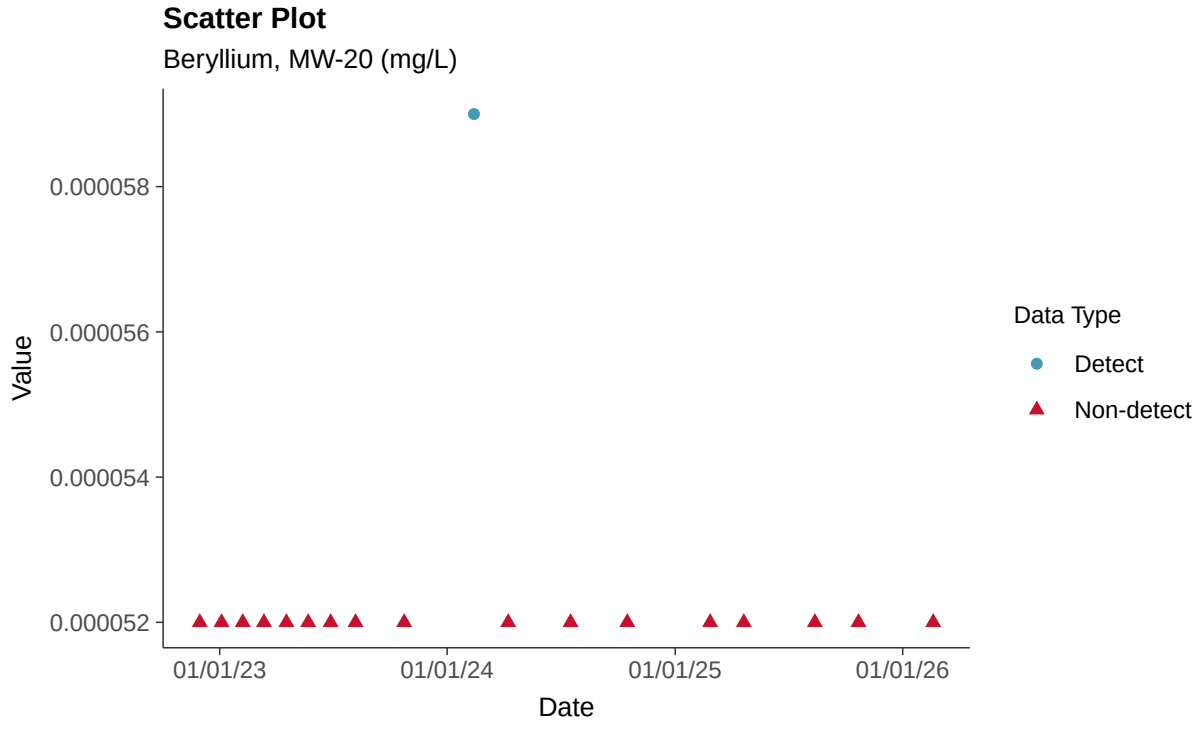
Trend Regression: Piecewise Linear-Linear-Linear

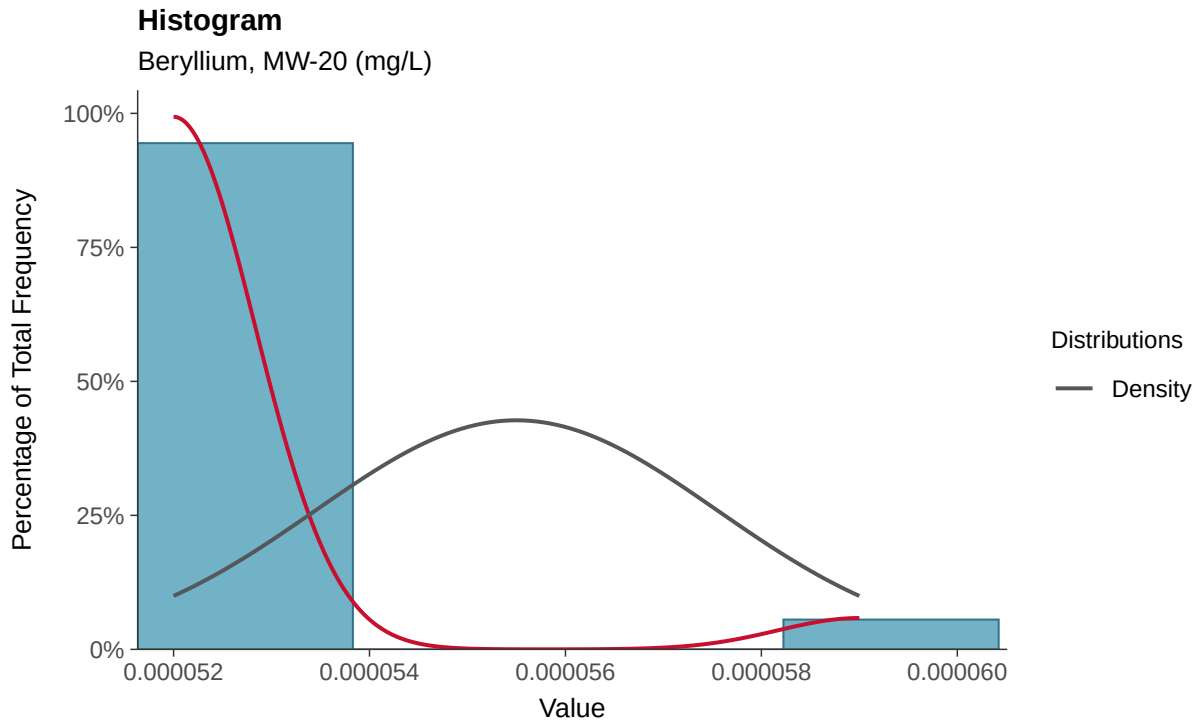
Barium, MW-20 (mg/L)



Appendix IV: Beryllium, MW-20

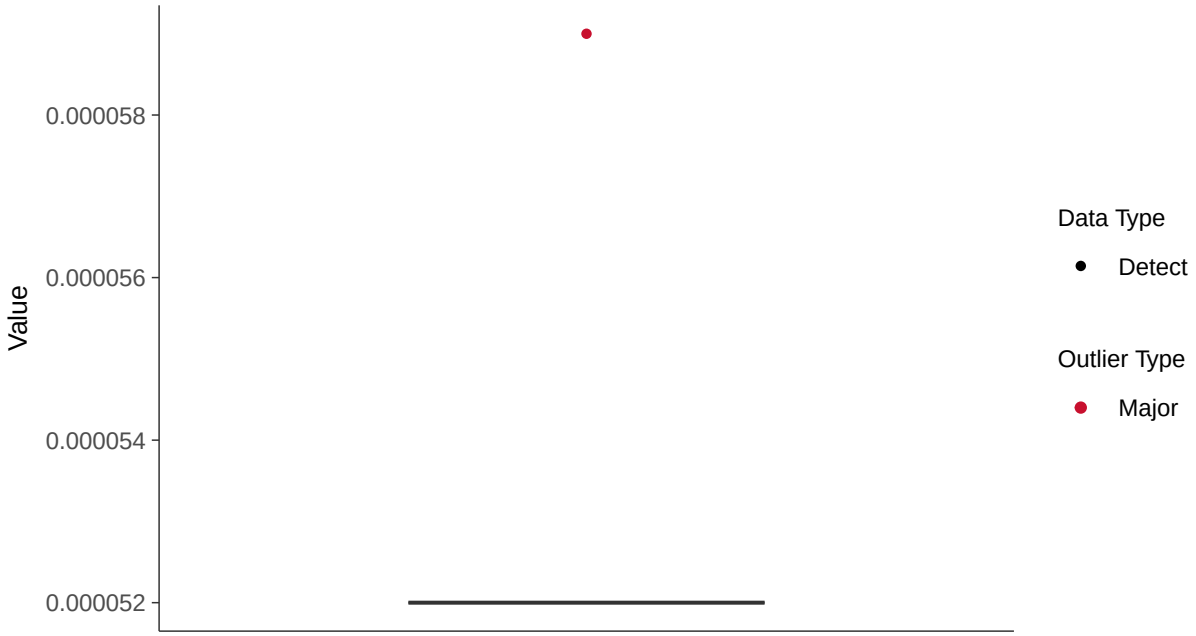
ID: 30_1_4_104





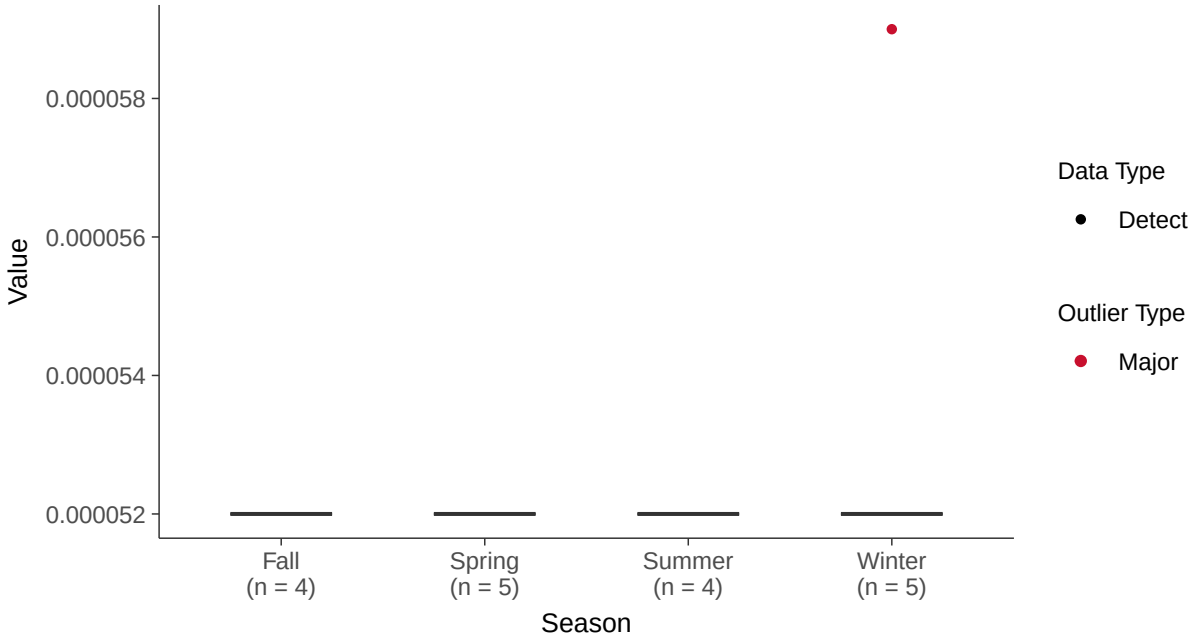
Boxplot

Beryllium, MW-20 (mg/L)



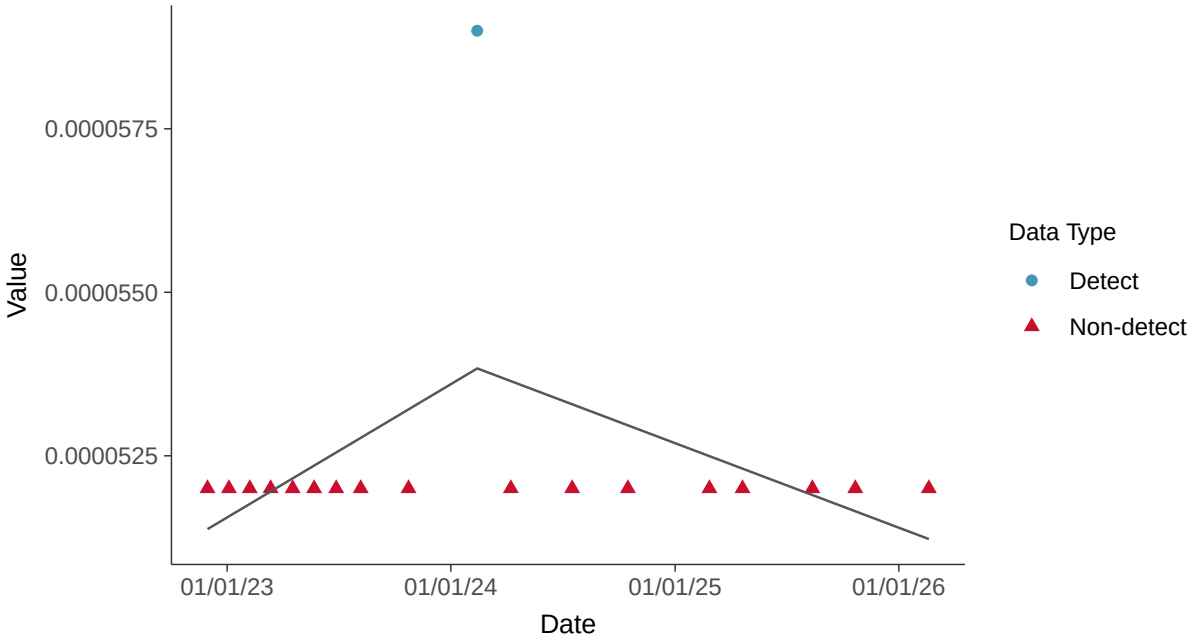
Boxplot by Season

Beryllium, MW-20 (mg/L)



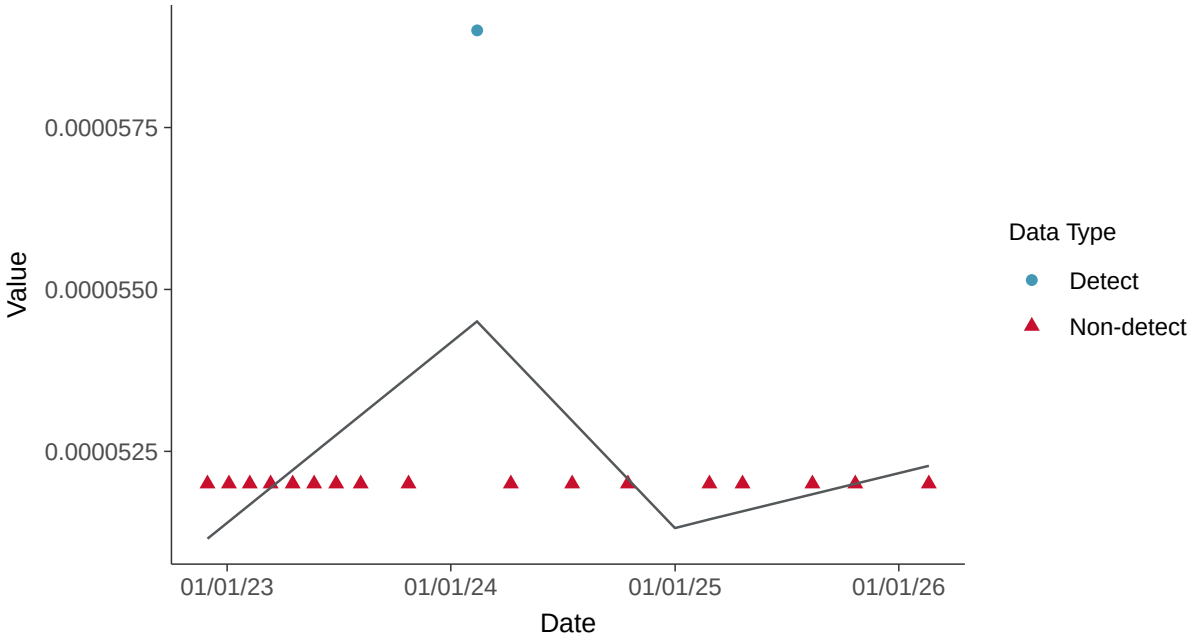
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-20 (mg/L)



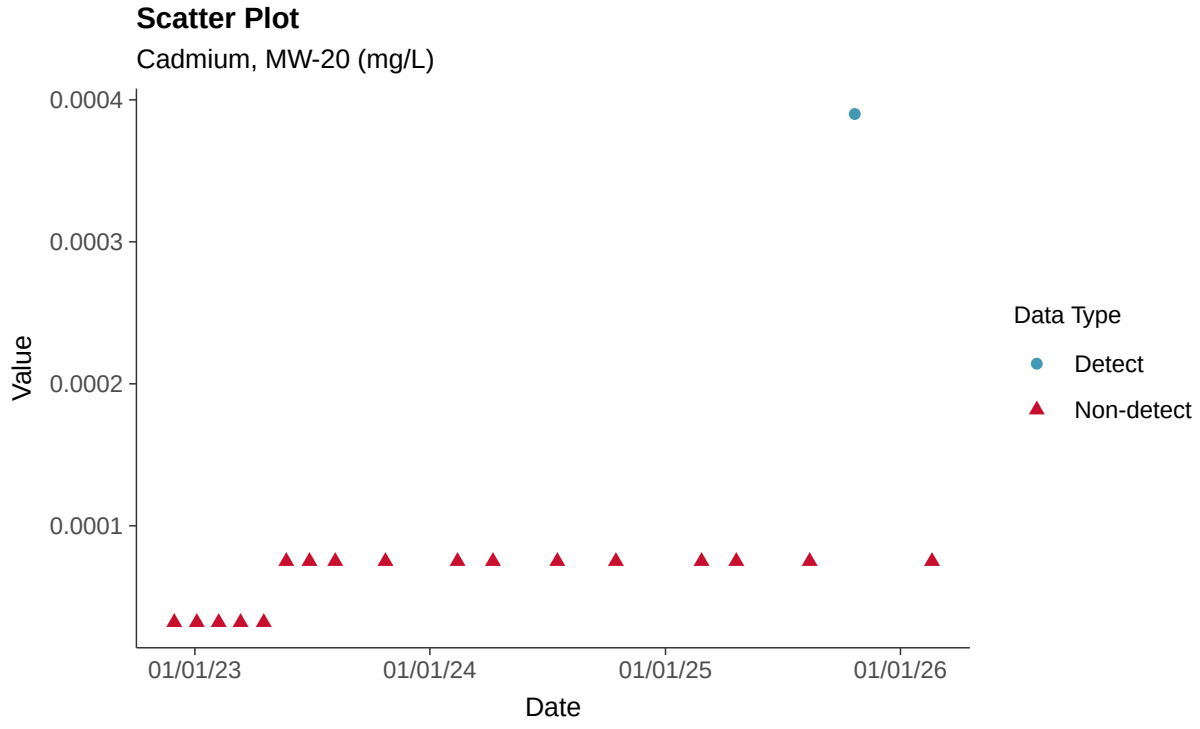
Trend Regression: Piecewise Linear-Linear-Linear

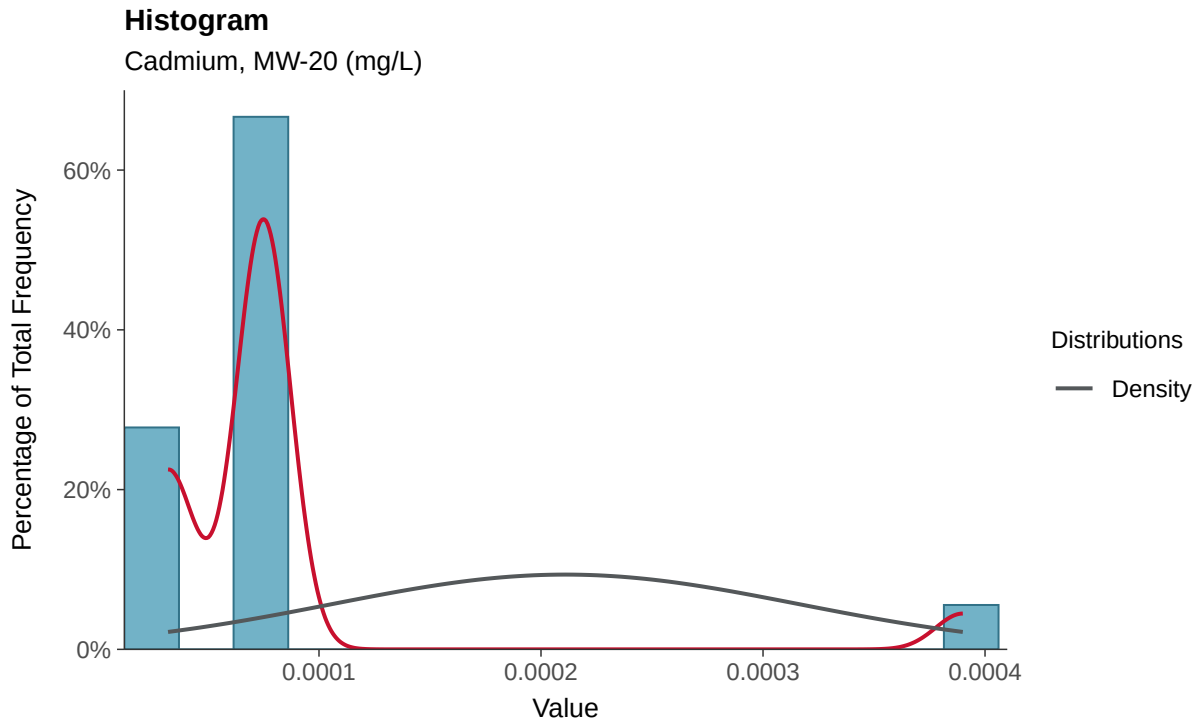
Beryllium, MW-20 (mg/L)



Appendix IV: Cadmium, MW-20

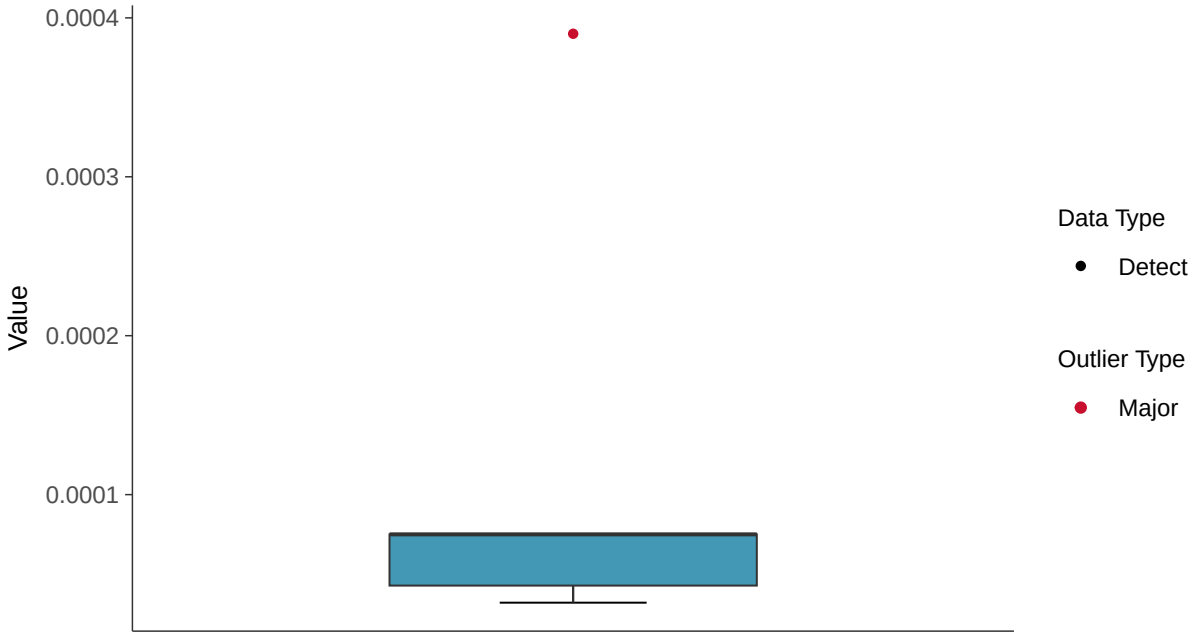
ID: 30_1_4_106





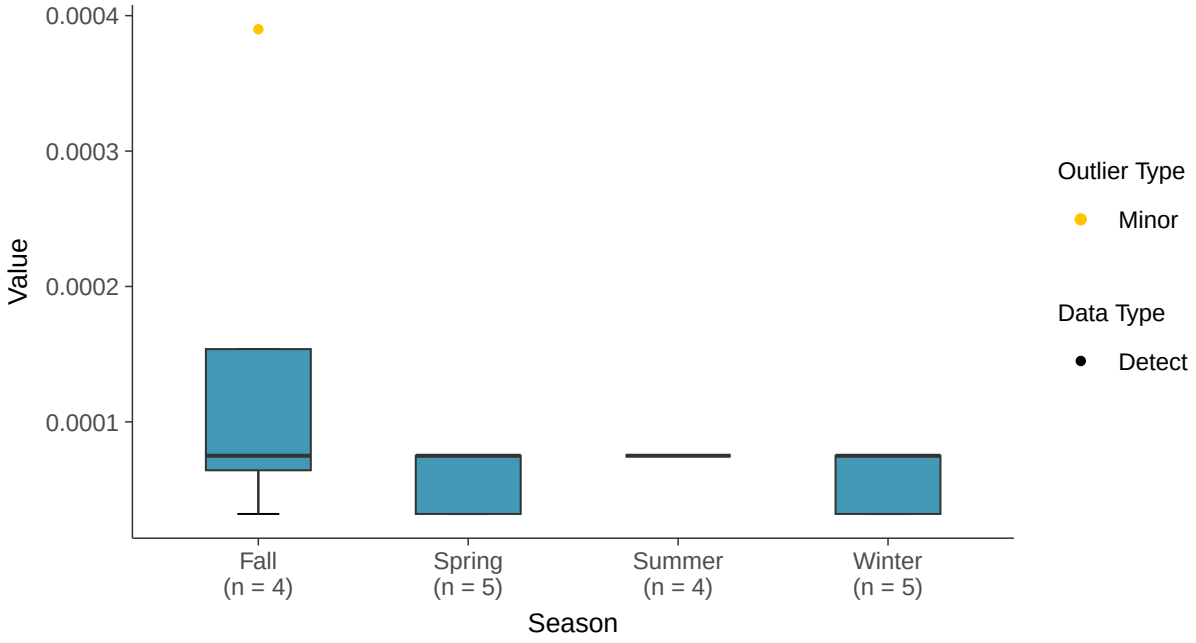
Boxplot

Cadmium, MW-20 (mg/L)



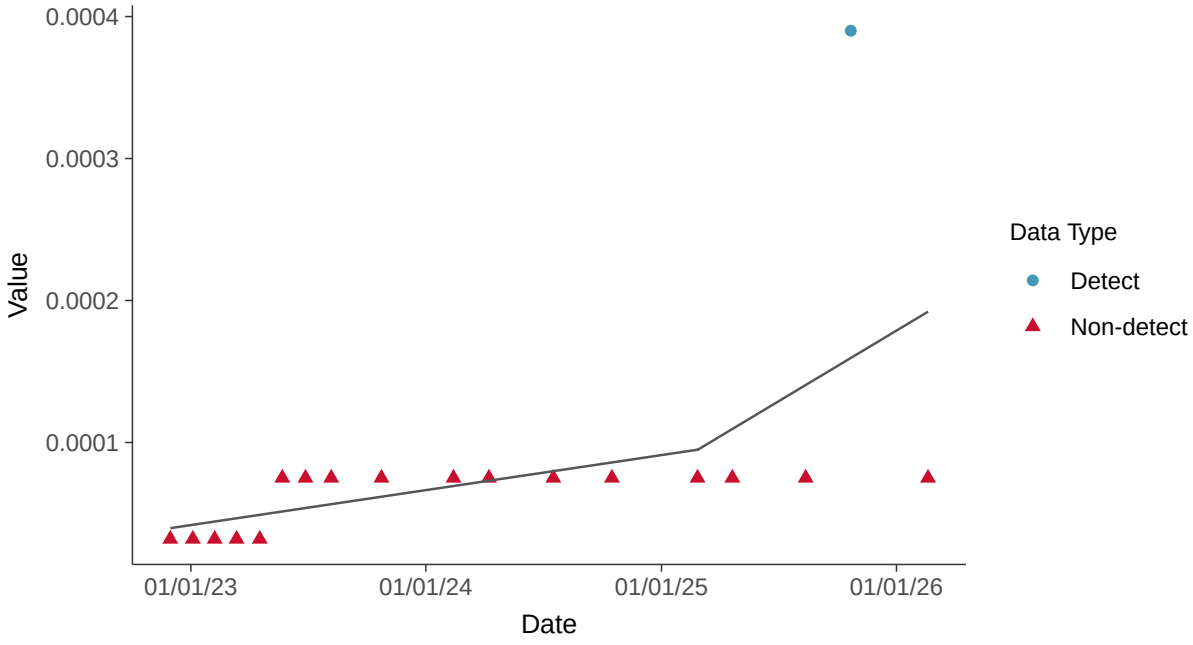
Boxplot by Season

Cadmium, MW-20 (mg/L)



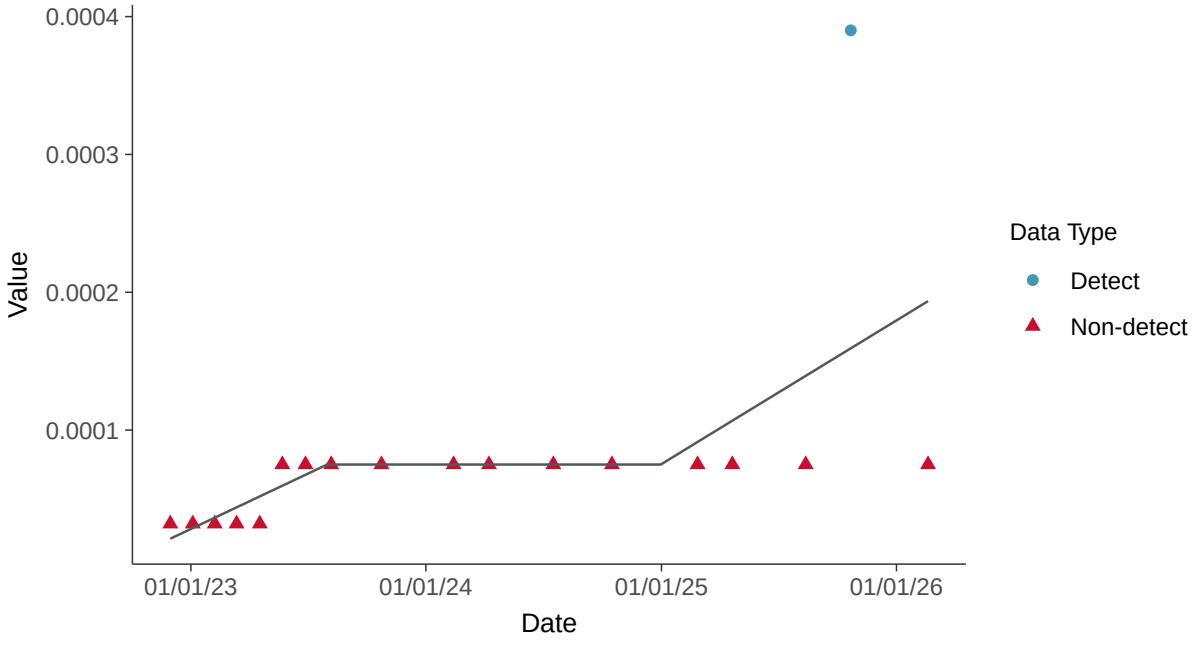
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-20 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Cadmium, MW-20 (mg/L)

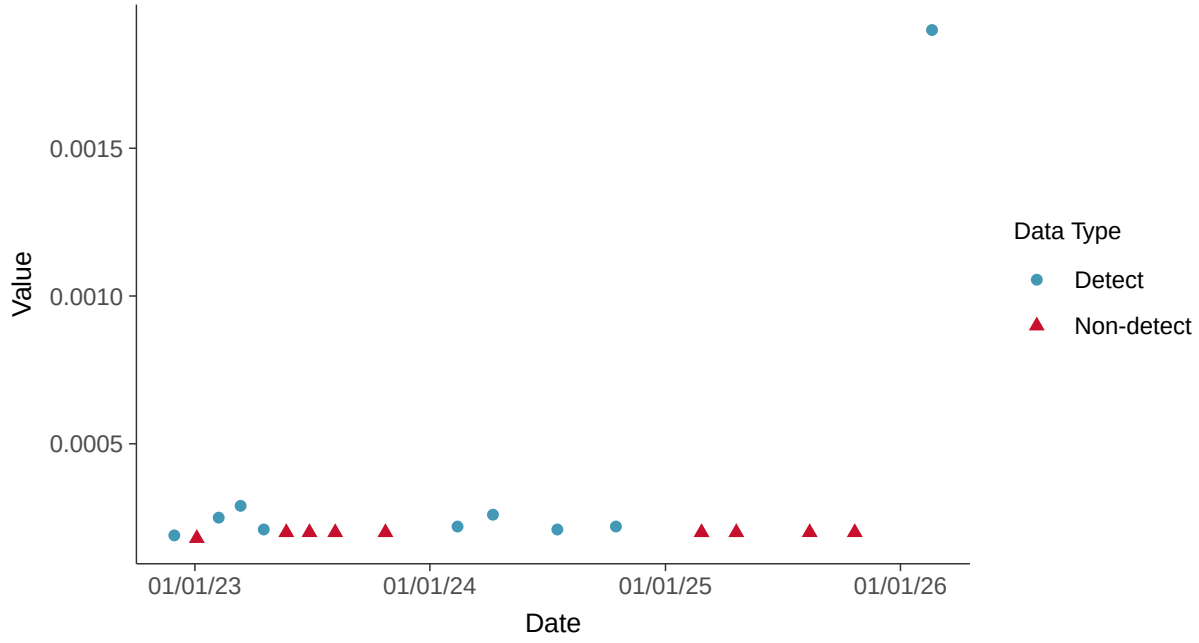


Appendix IV: Chromium, Total, MW-20

ID: 30_1_4_109

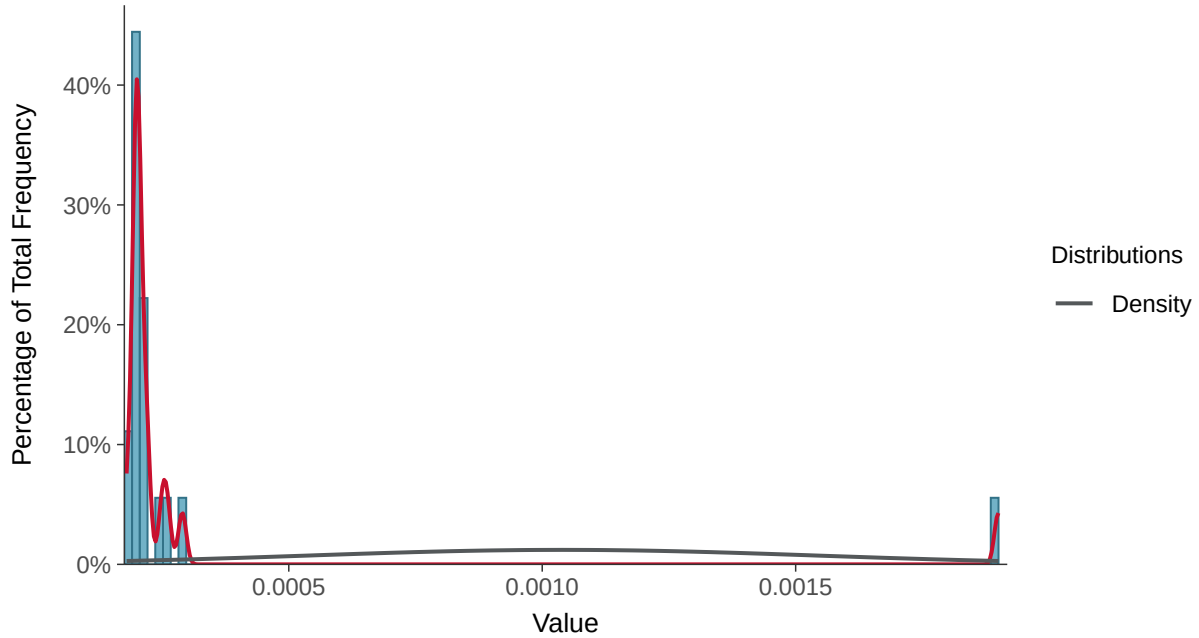
Scatter Plot

Chromium, Total, MW-20 (mg/L)



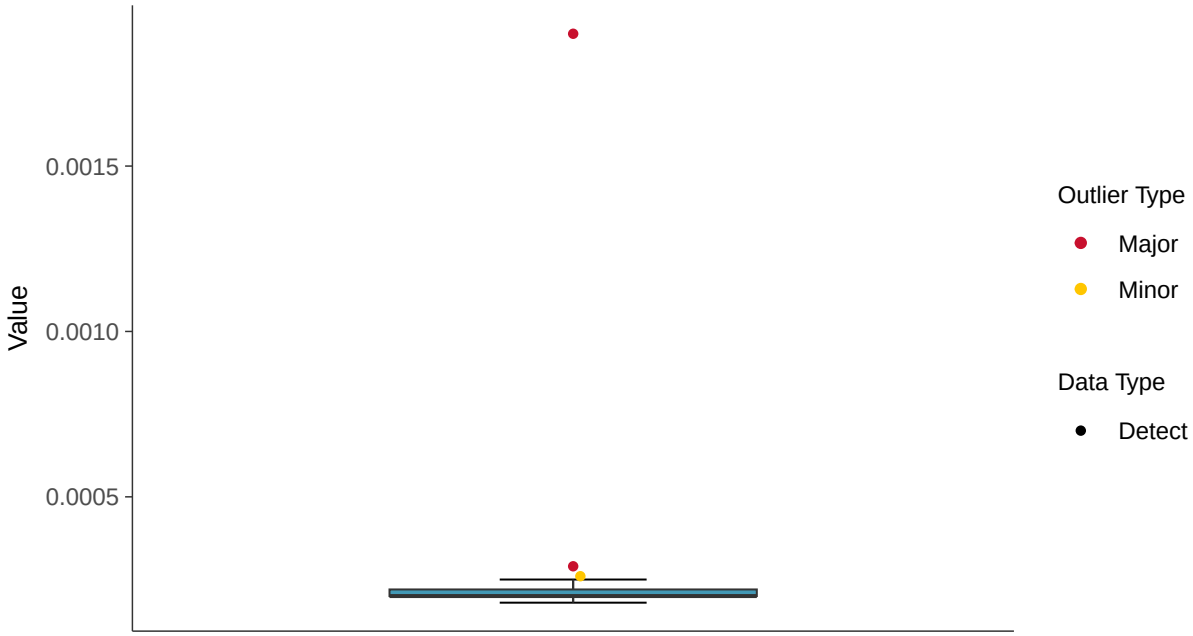
Histogram

Chromium, Total, MW-20 (mg/L)



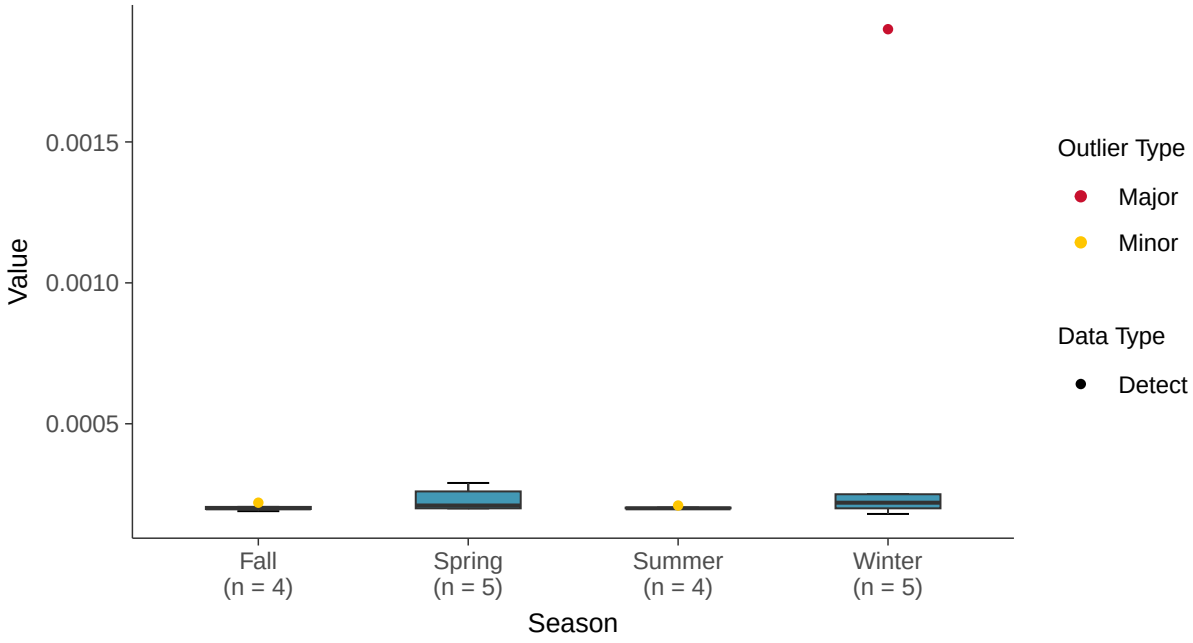
Boxplot

Chromium, Total, MW-20 (mg/L)



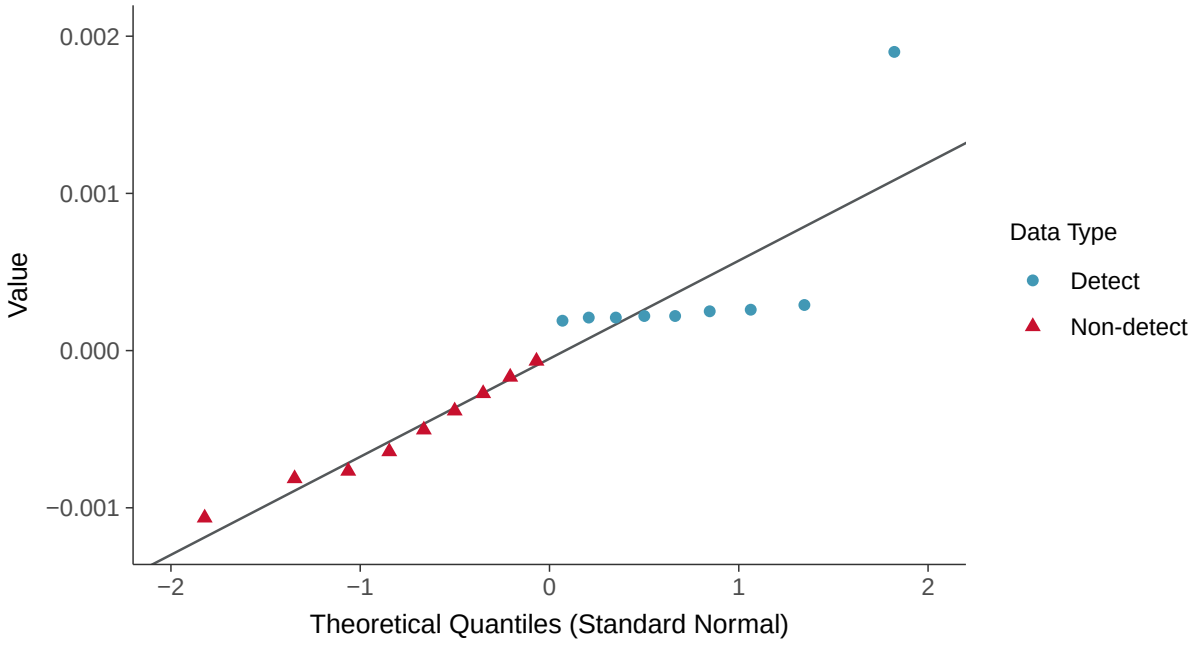
Boxplot by Season

Chromium, Total, MW-20 (mg/L)



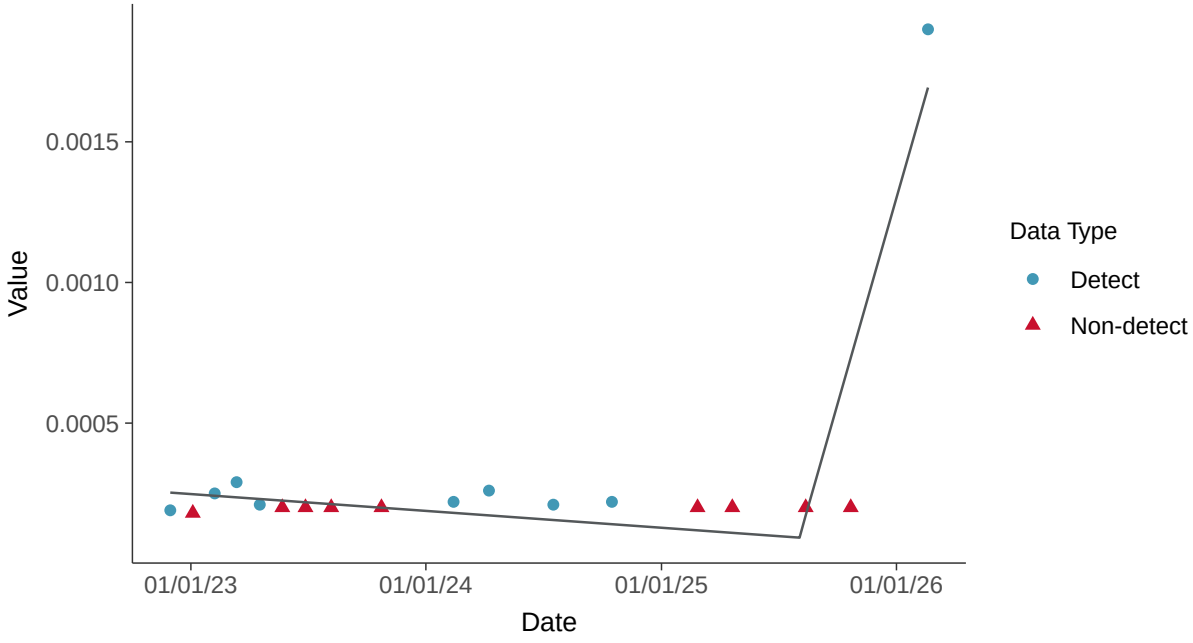
Normal Q-Q plot using ROS Imputed Estimates

Chromium, Total, MW-20 (mg/L)



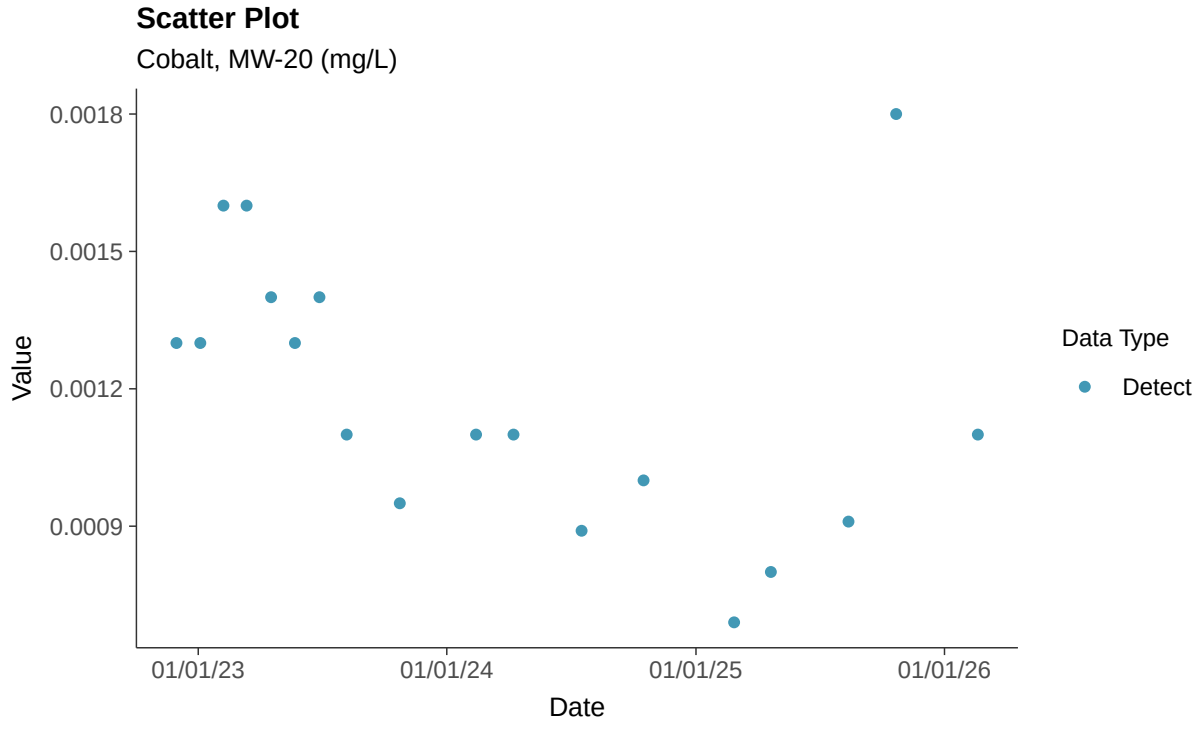
Trend Regression: Piecewise Linear-Linear

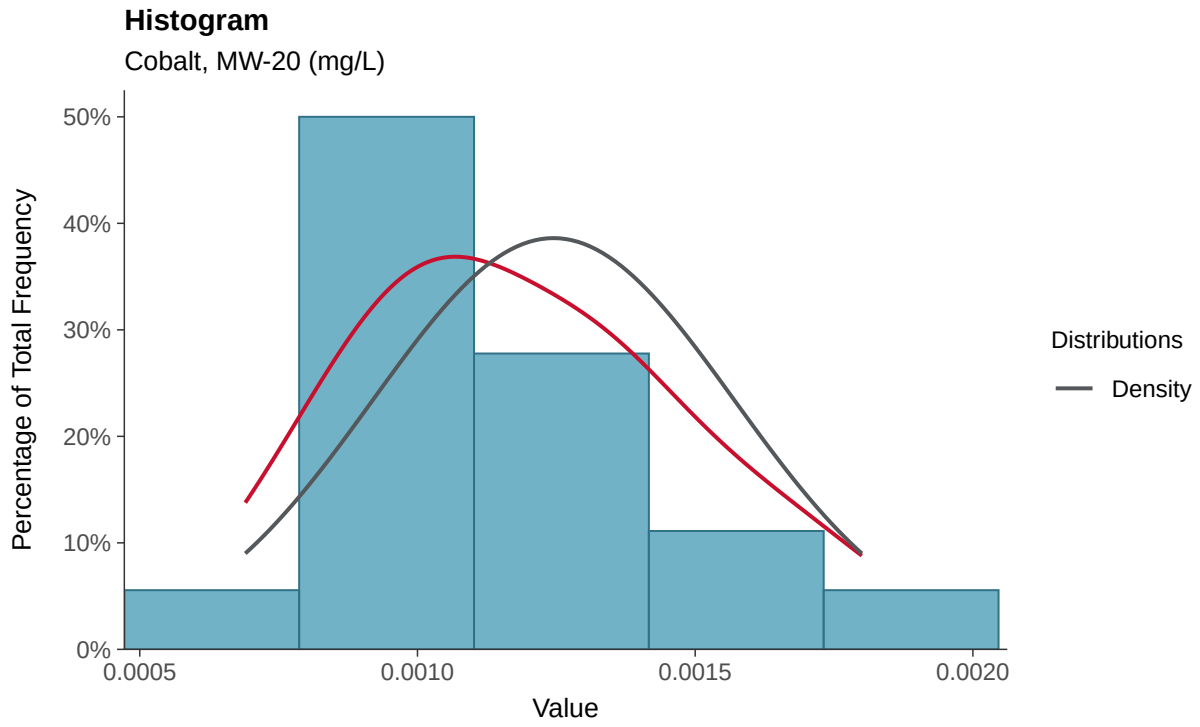
Chromium, Total, MW-20 (mg/L)



Appendix IV: Cobalt, MW-20

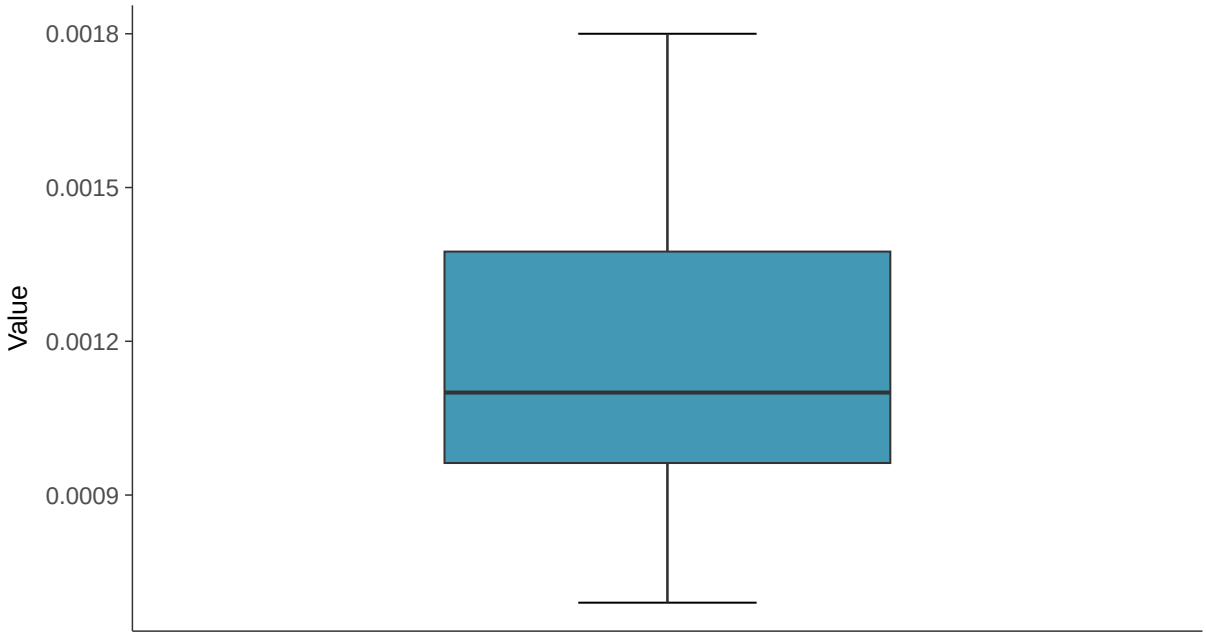
ID: 30_1_4_110





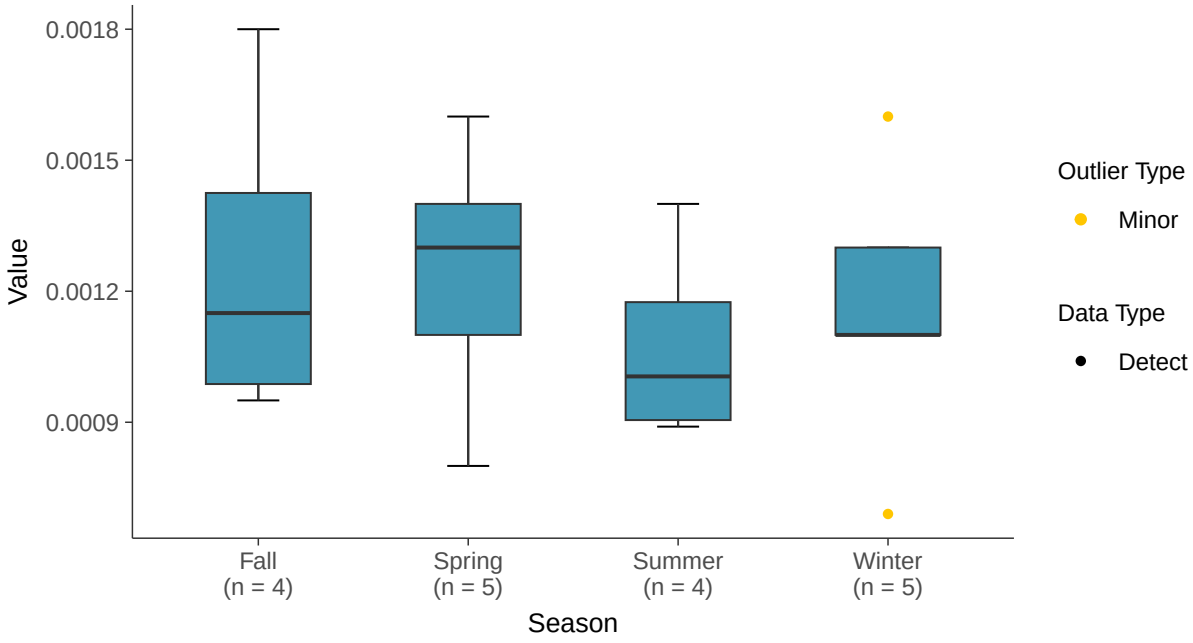
Boxplot

Cobalt, MW-20 (mg/L)



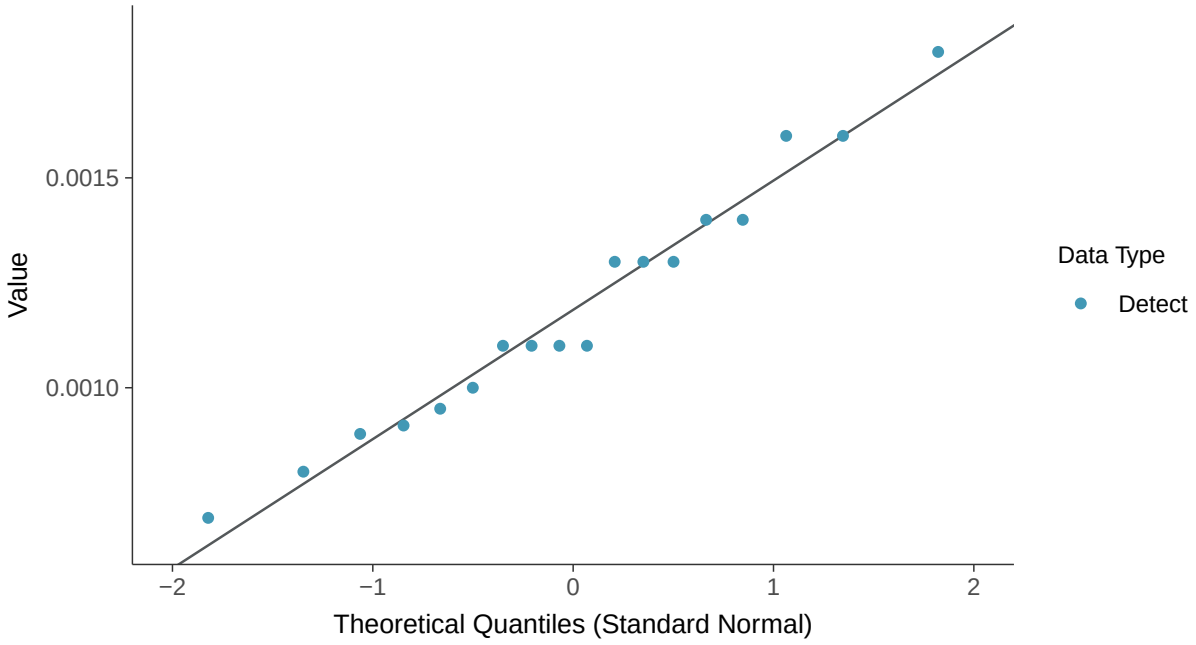
Boxplot by Season

Cobalt, MW-20 (mg/L)



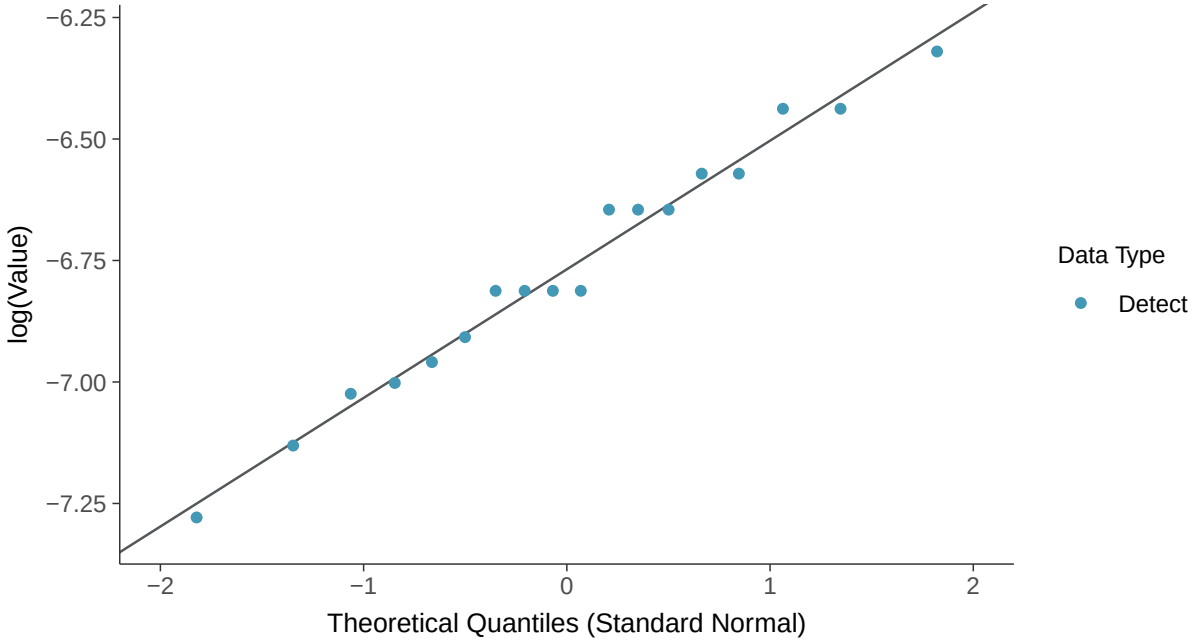
Normal Q-Q plot

Cobalt, MW-20 (mg/L)



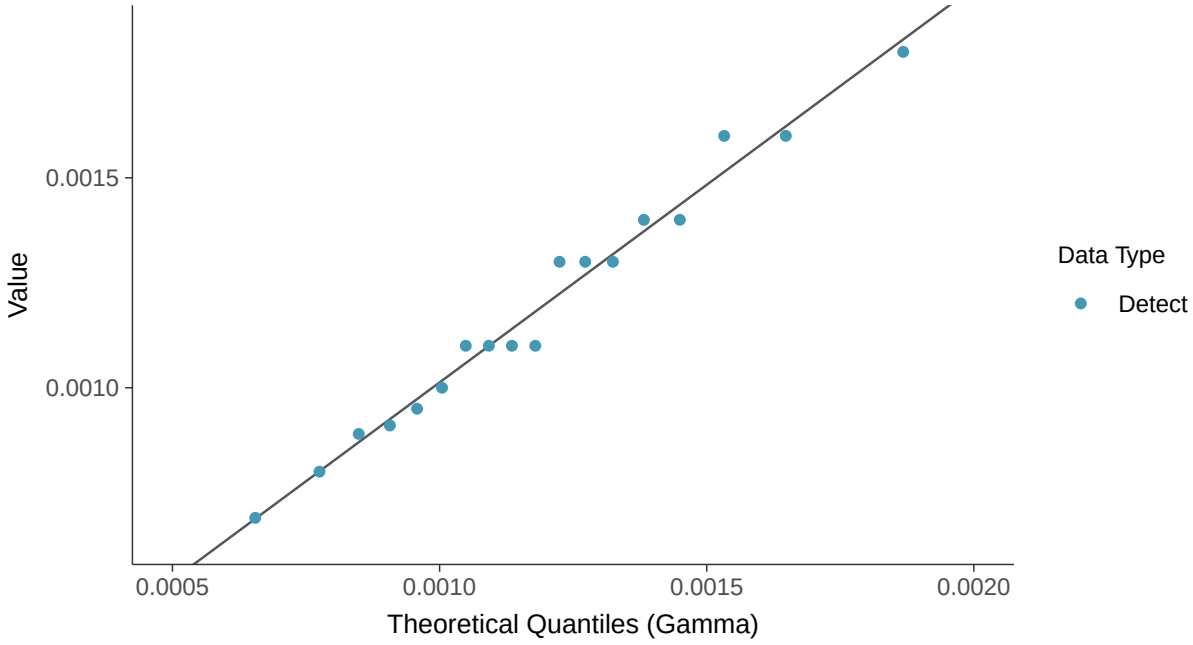
Lognormal Q-Q plot

Cobalt, MW-20 (mg/L)



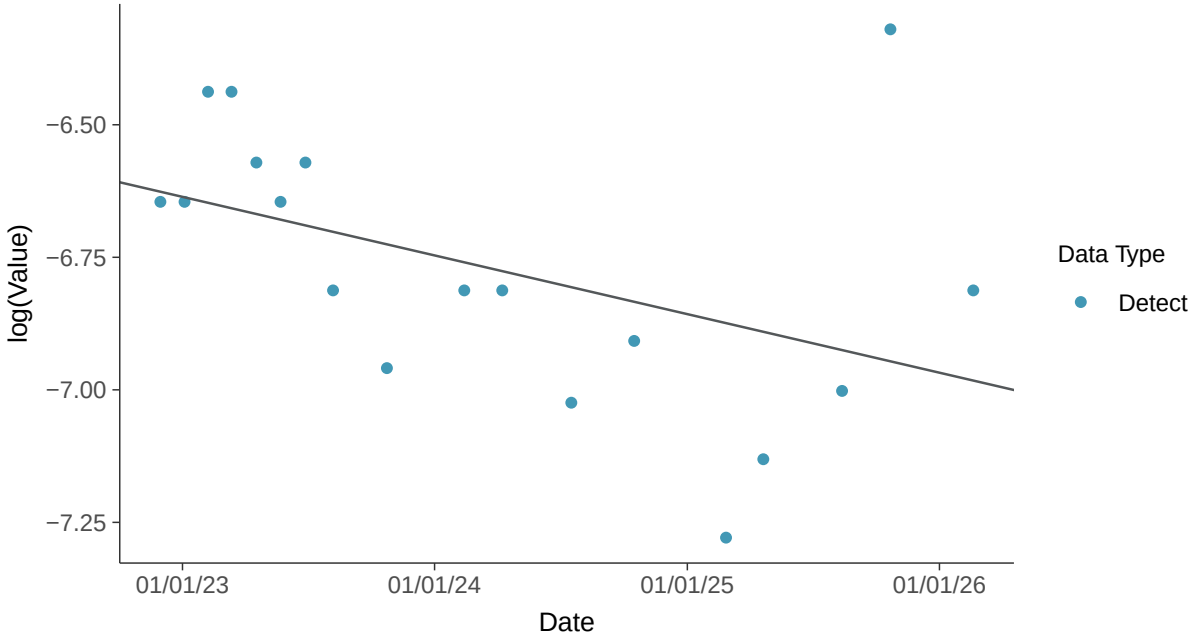
Gamma Q-Q plot

Cobalt, MW-20 (mg/L)



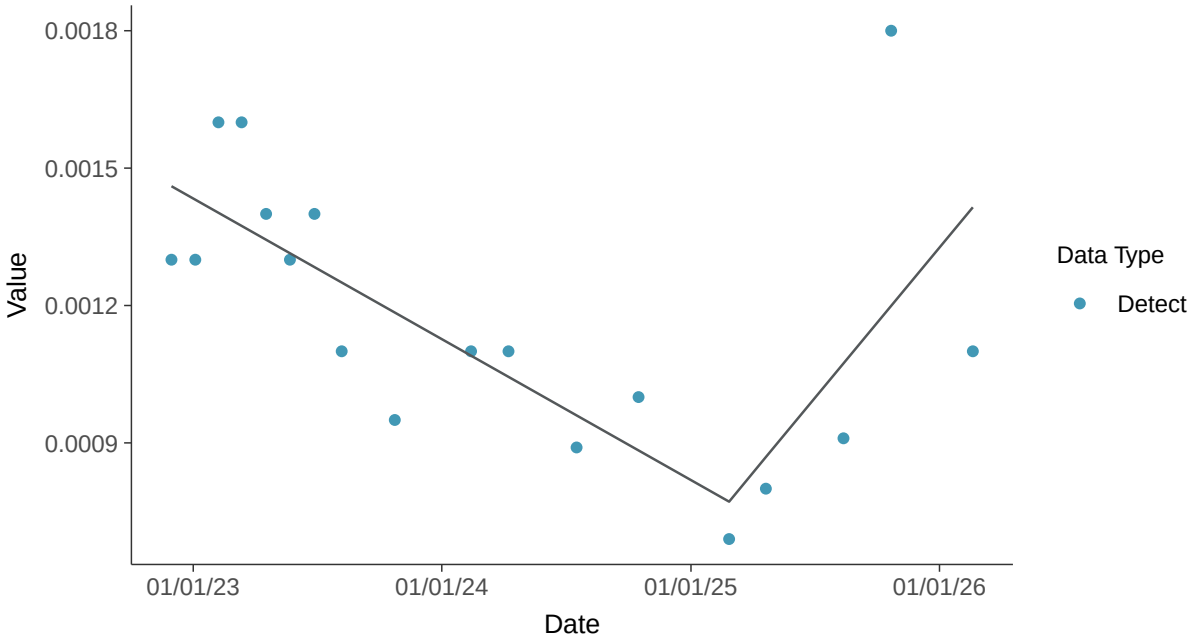
Trend Regression: Lognormal MLE

Cobalt, MW-20 (mg/L)



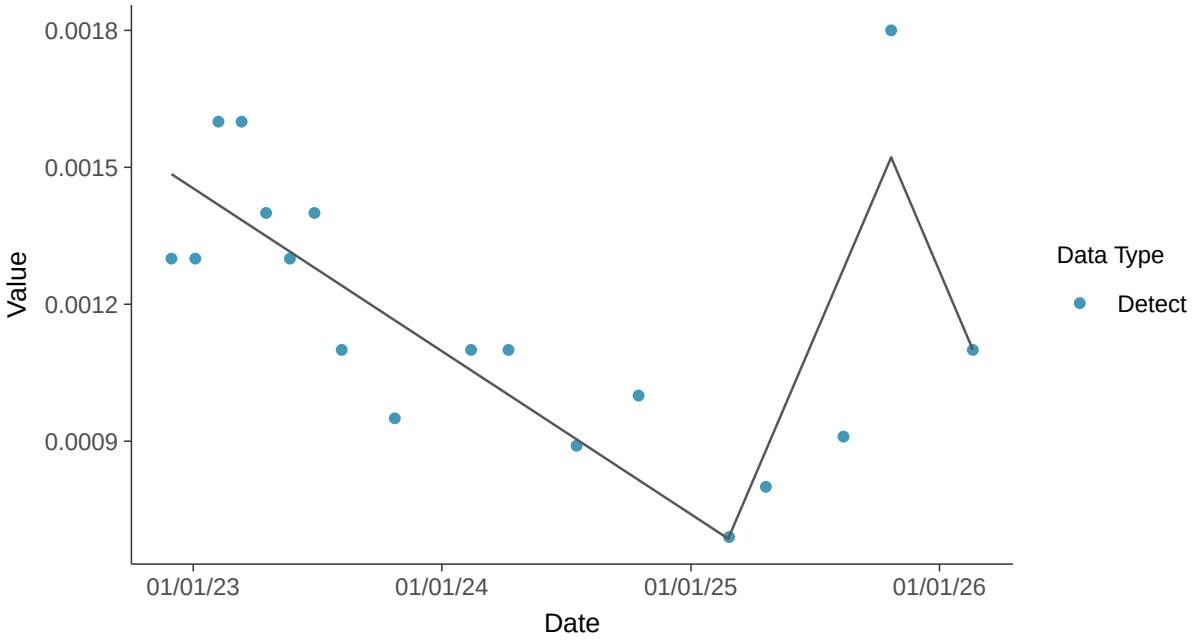
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-20 (mg/L)



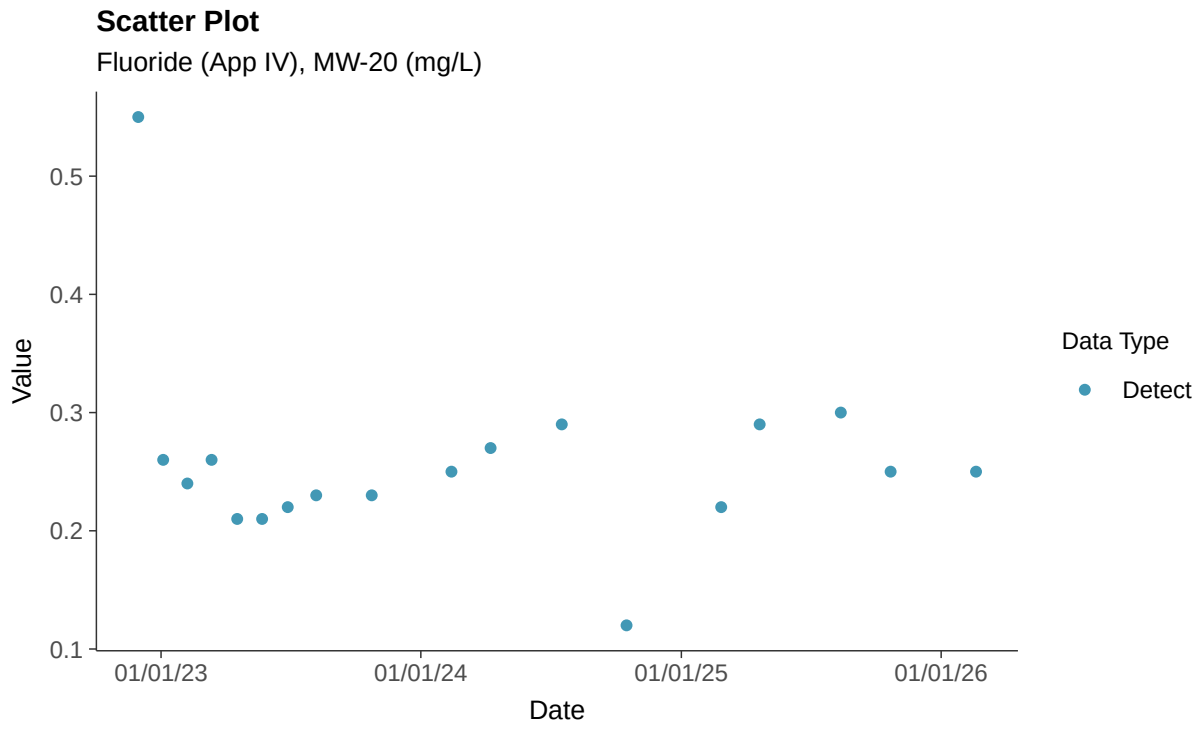
Trend Regression: Piecewise Linear-Linear-Linear

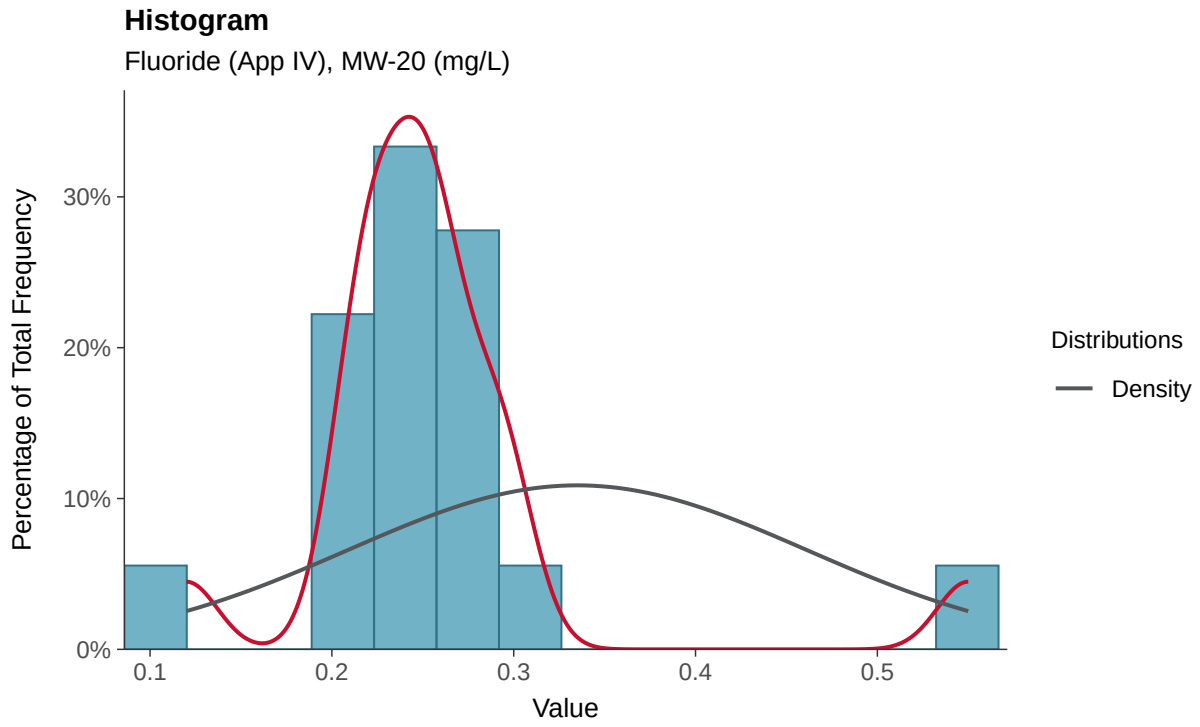
Cobalt, MW-20 (mg/L)



Appendix IV: Fluoride (App IV), MW-20

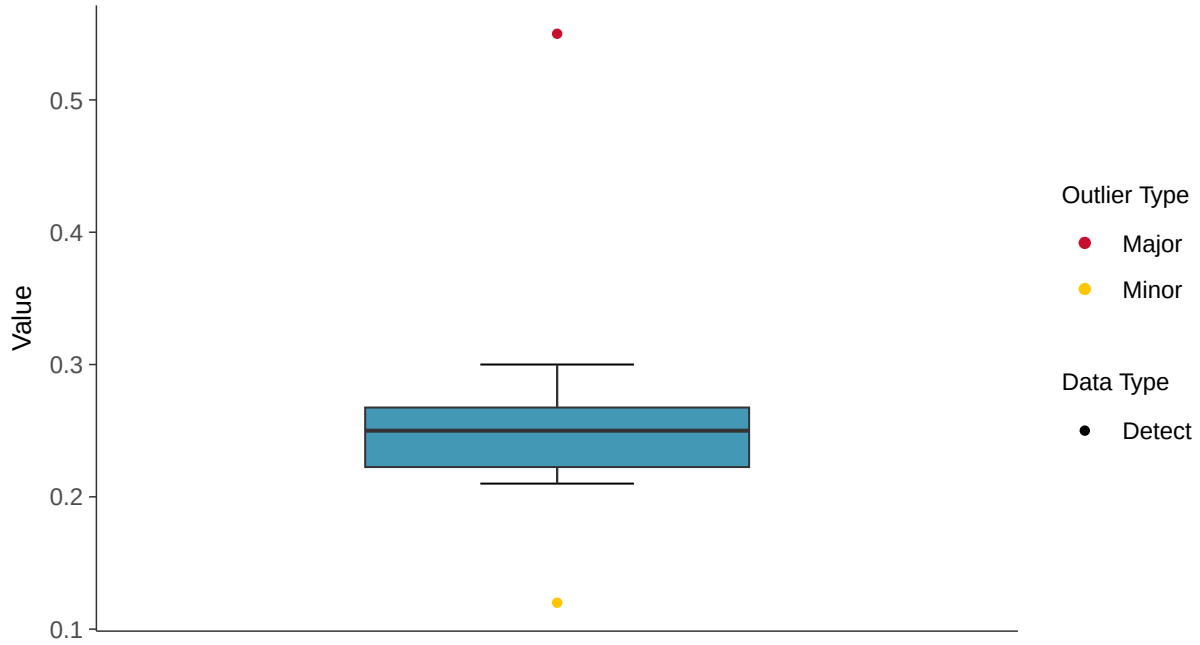
ID: 30_1_4_113





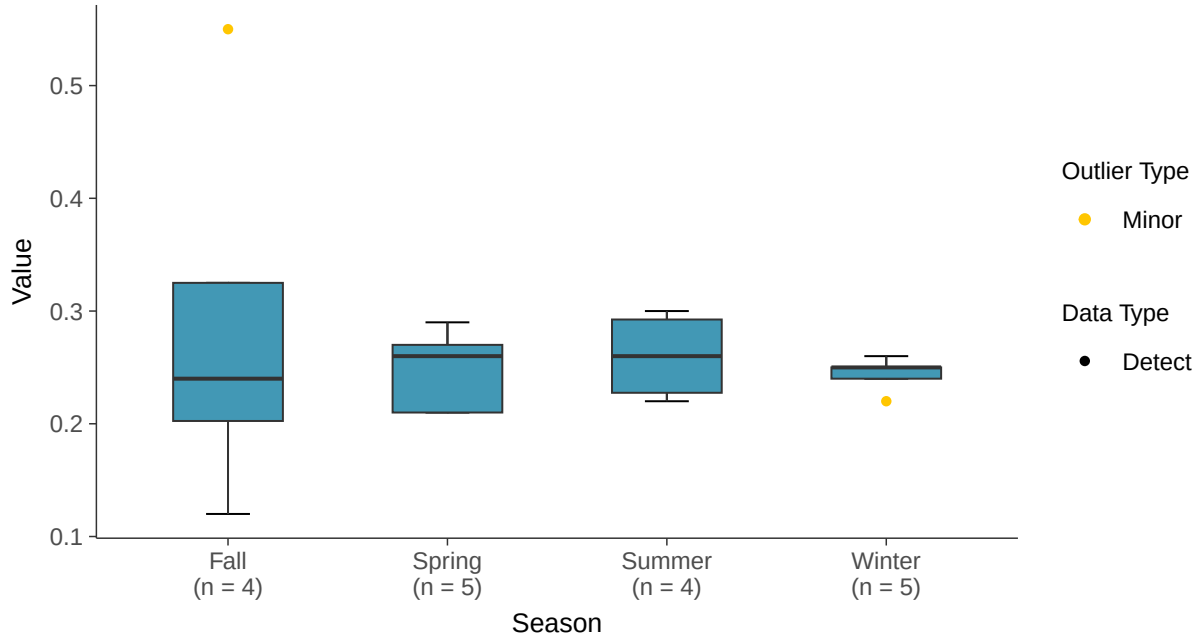
Boxplot

Fluoride (App IV), MW-20 (mg/L)



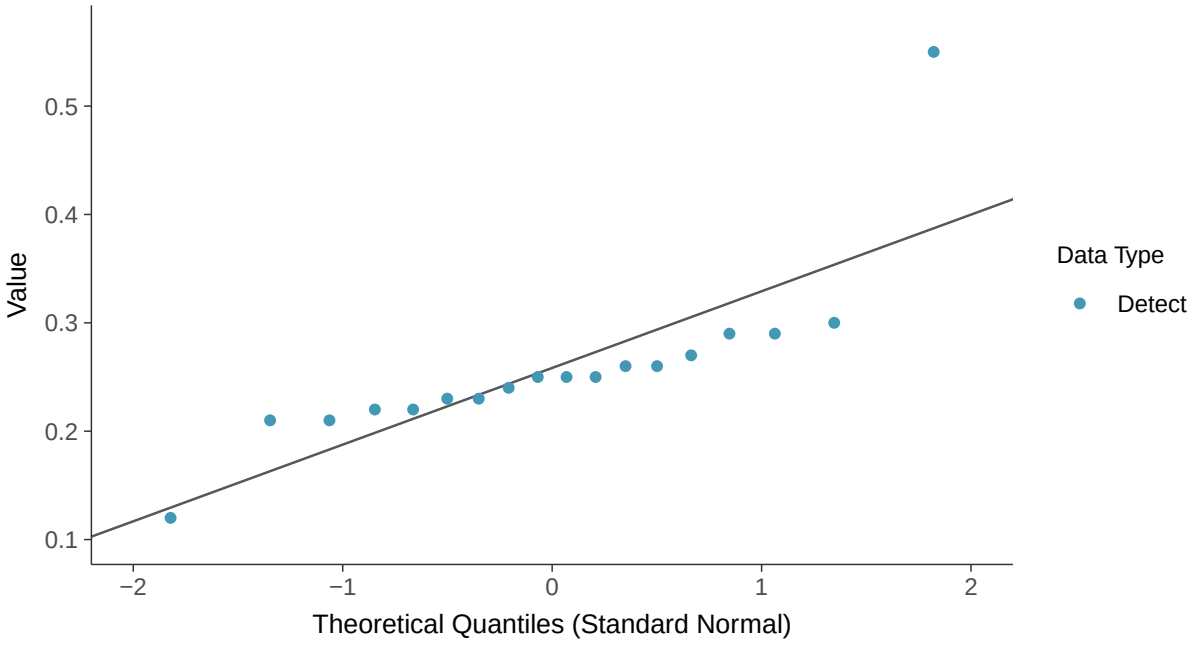
Boxplot by Season

Fluoride (App IV), MW-20 (mg/L)



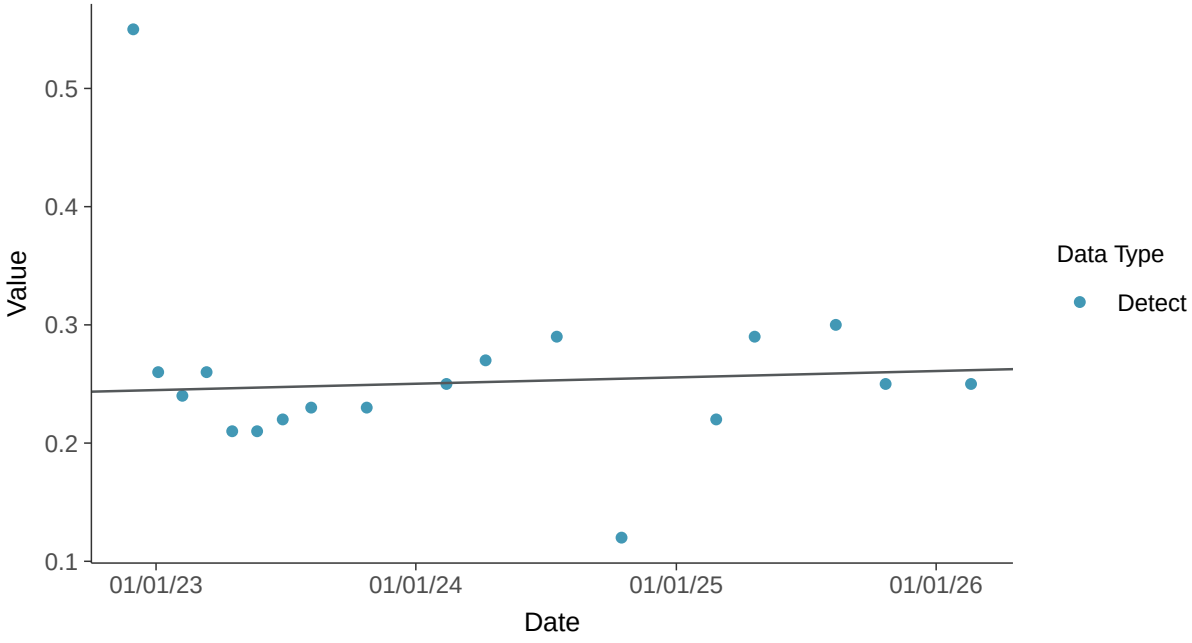
Normal Q-Q plot

Fluoride (App IV), MW-20 (mg/L)



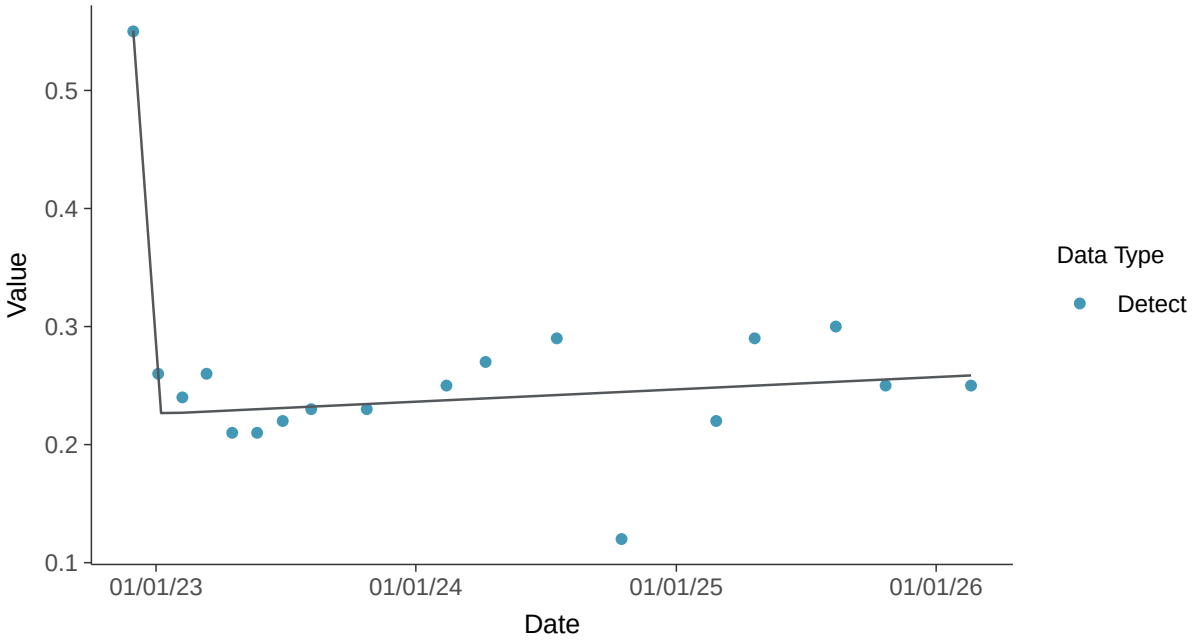
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride (App IV), MW-20 (mg/L)



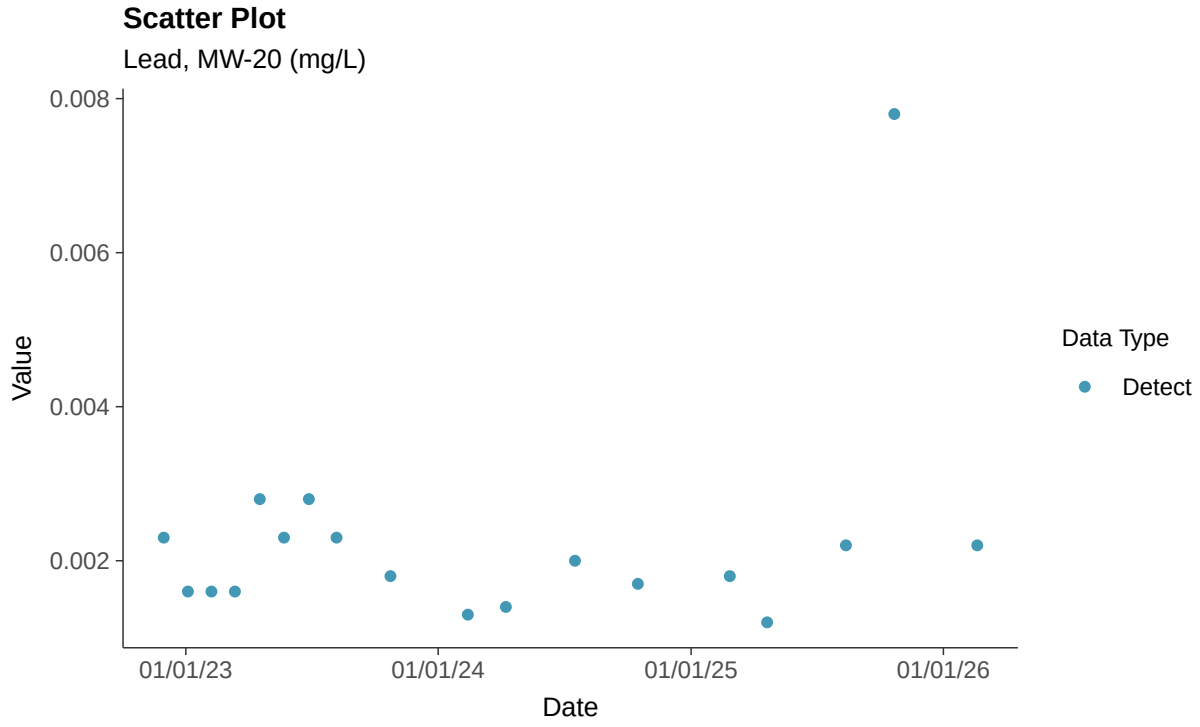
Trend Regression: Piecewise Linear-Linear

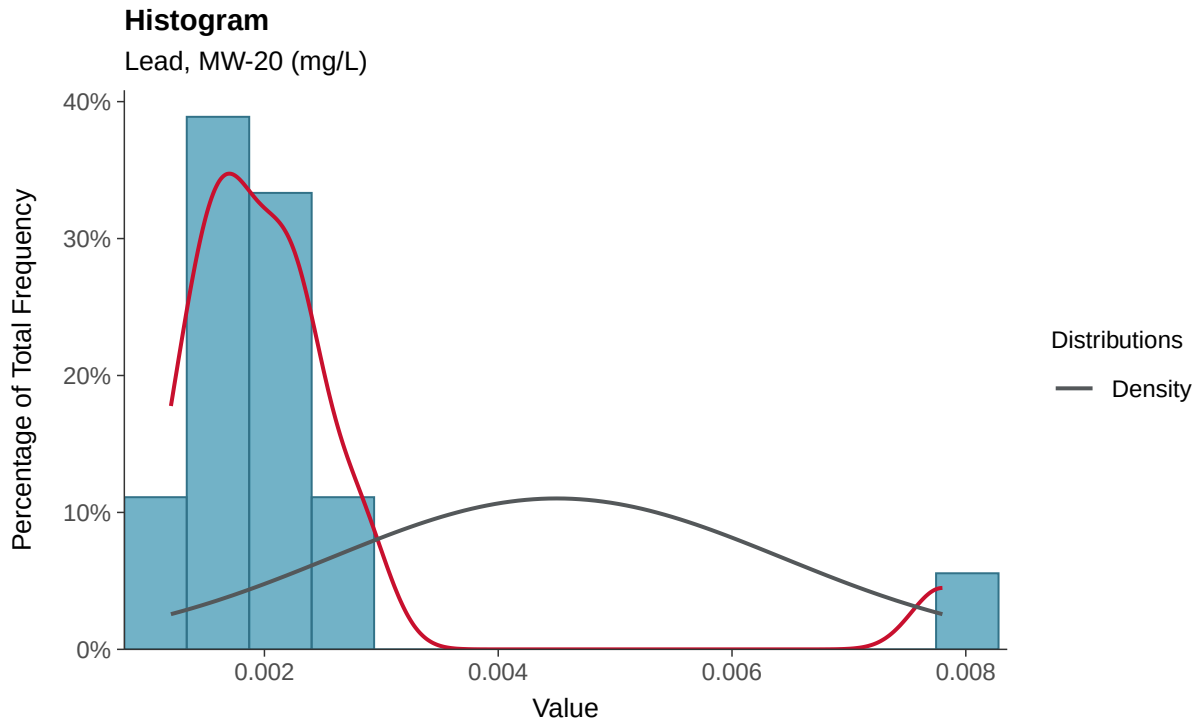
Fluoride (App IV), MW-20 (mg/L)



Appendix IV: Lead, MW-20

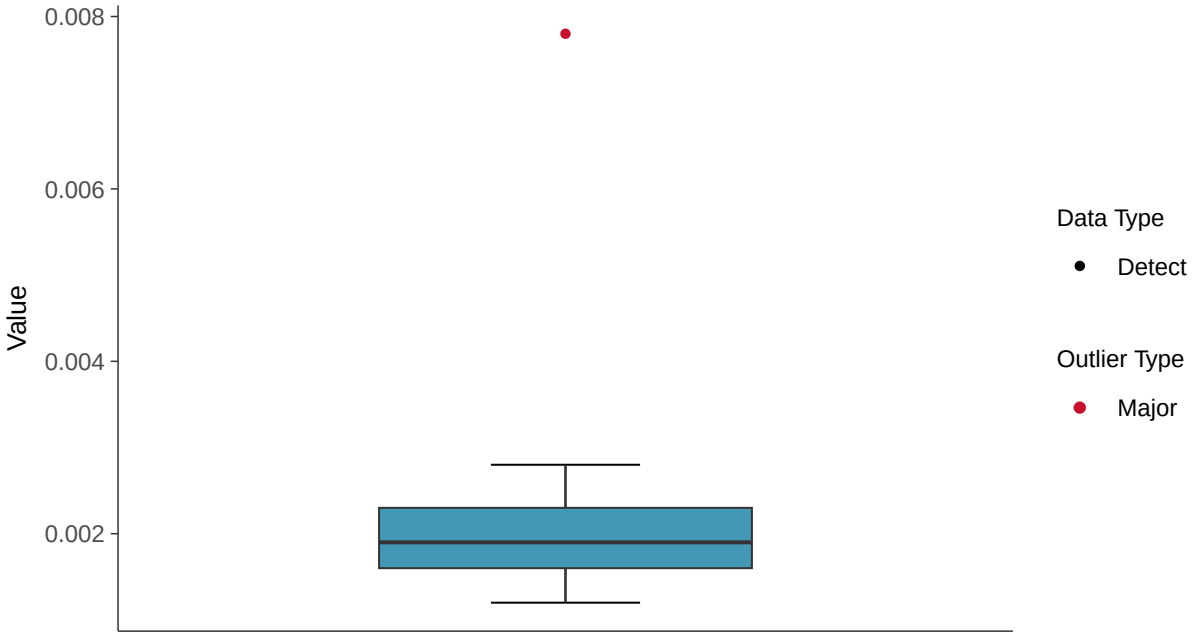
ID: 30_1_4_115





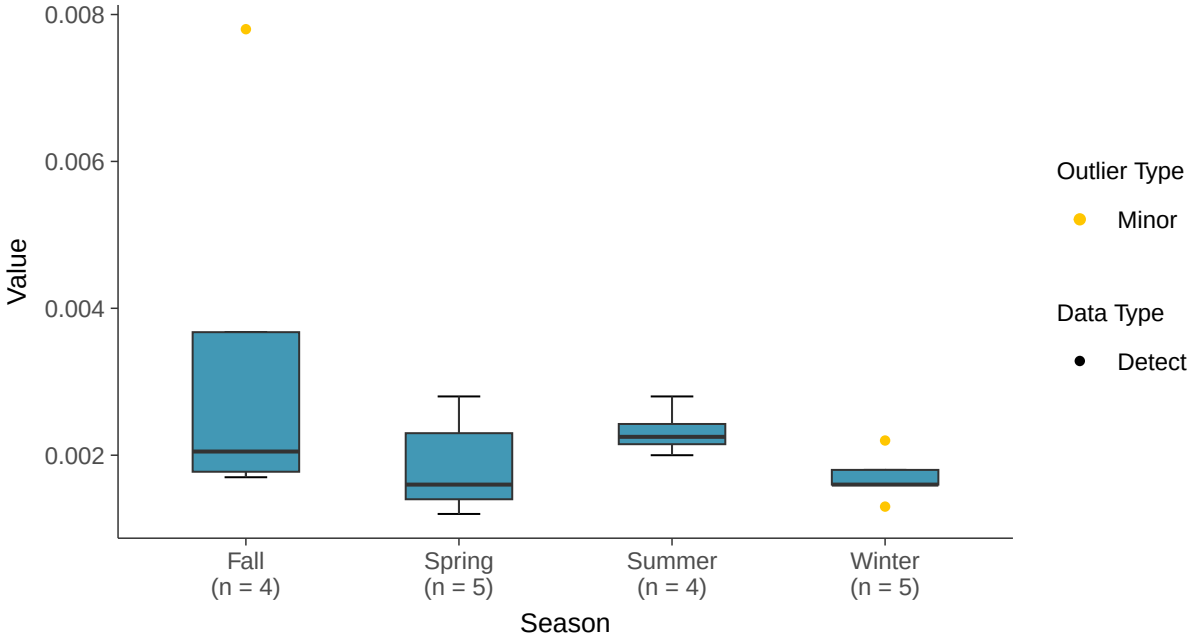
Boxplot

Lead, MW-20 (mg/L)



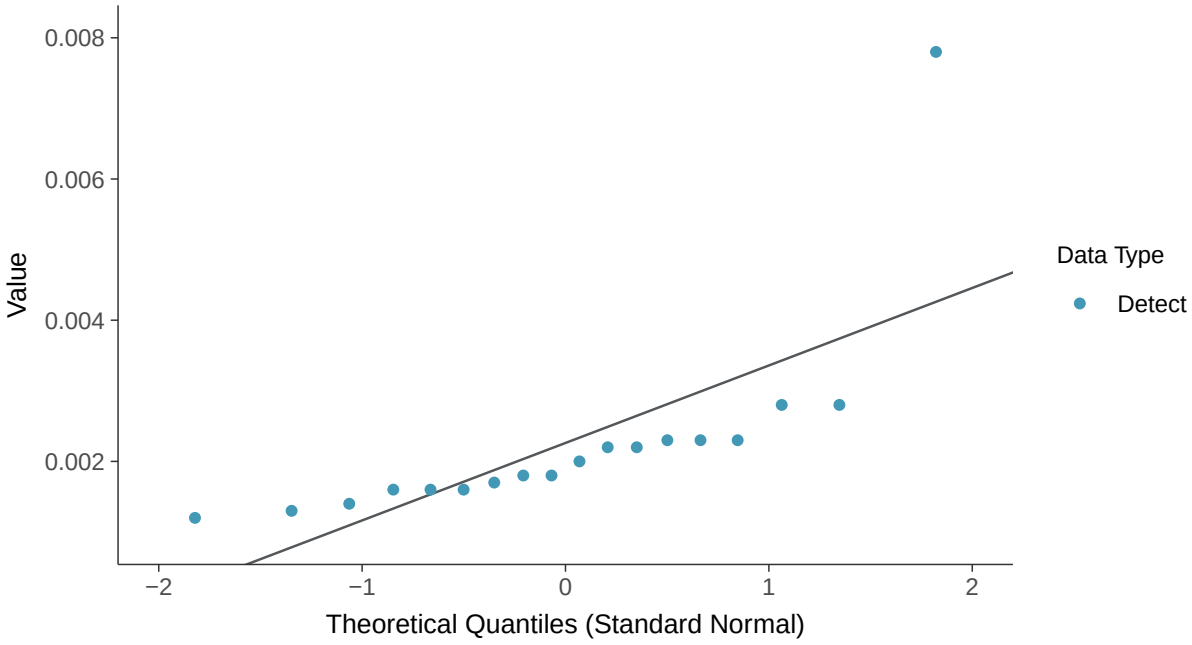
Boxplot by Season

Lead, MW-20 (mg/L)



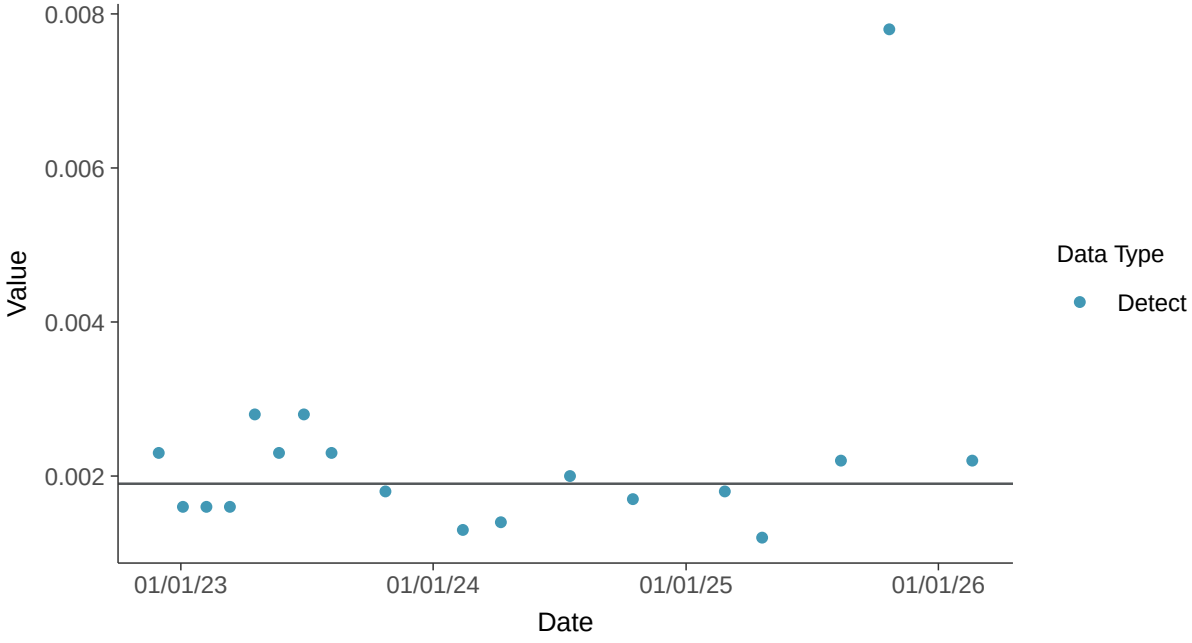
Normal Q-Q plot

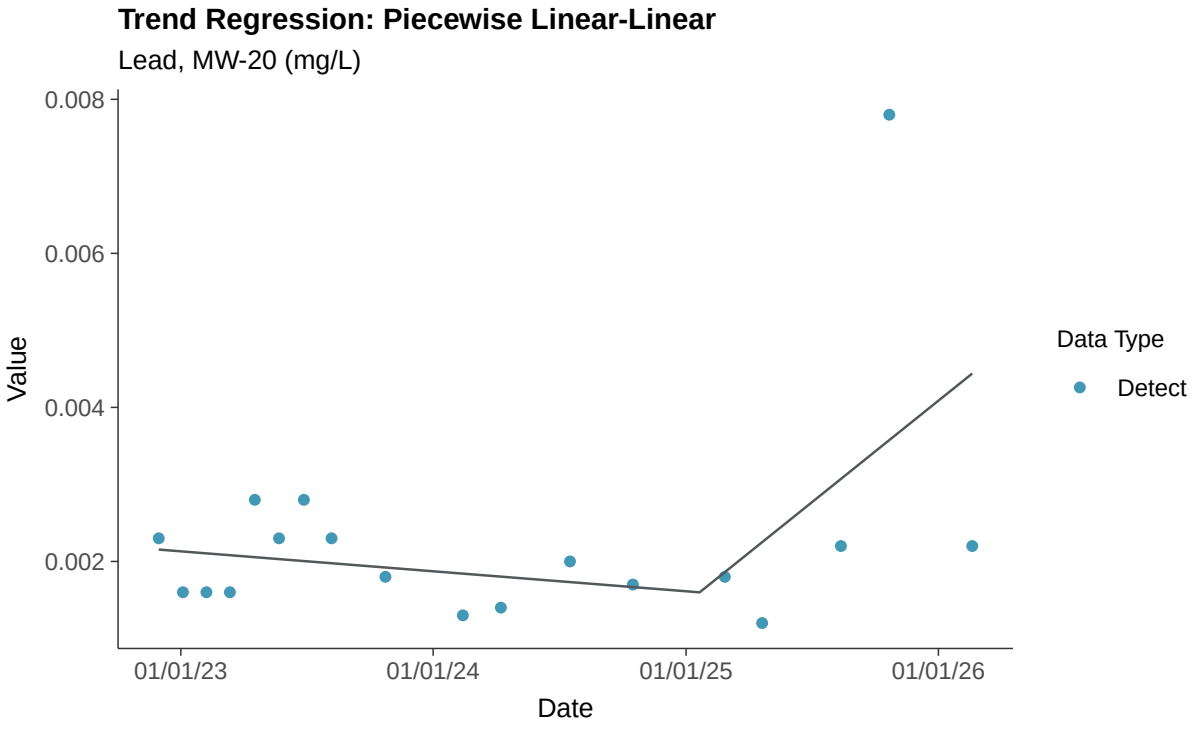
Lead, MW-20 (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

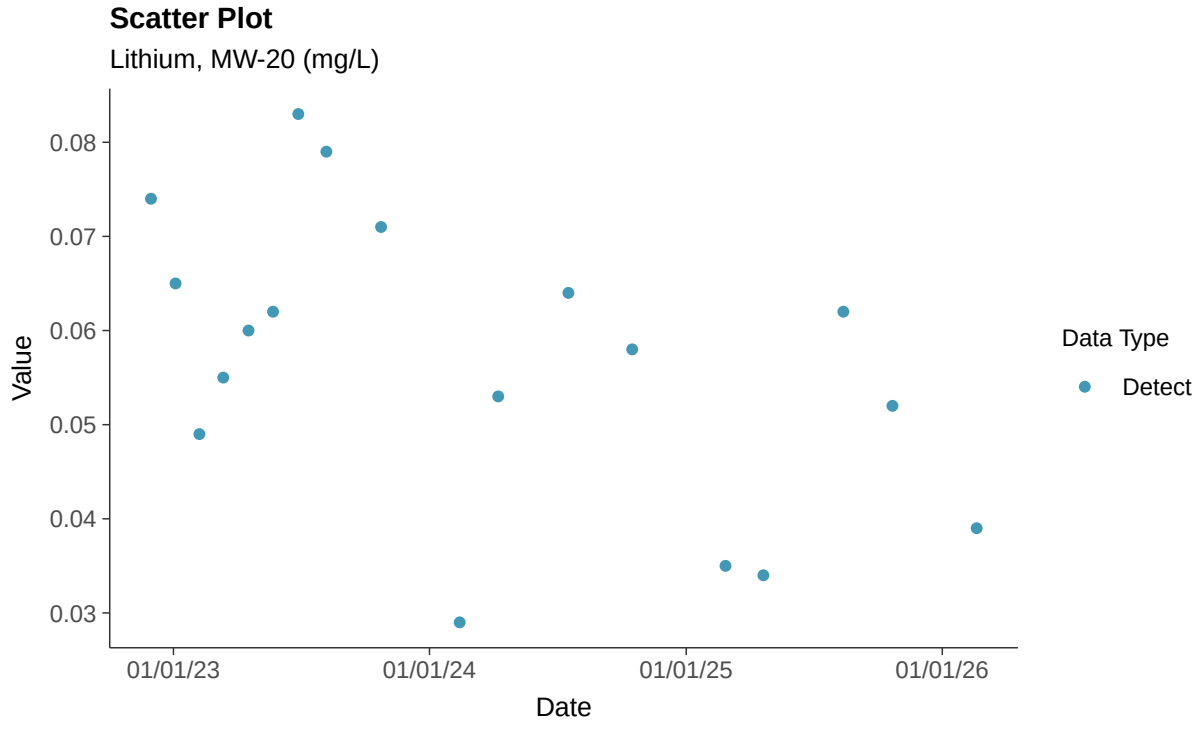
Lead, MW-20 (mg/L)

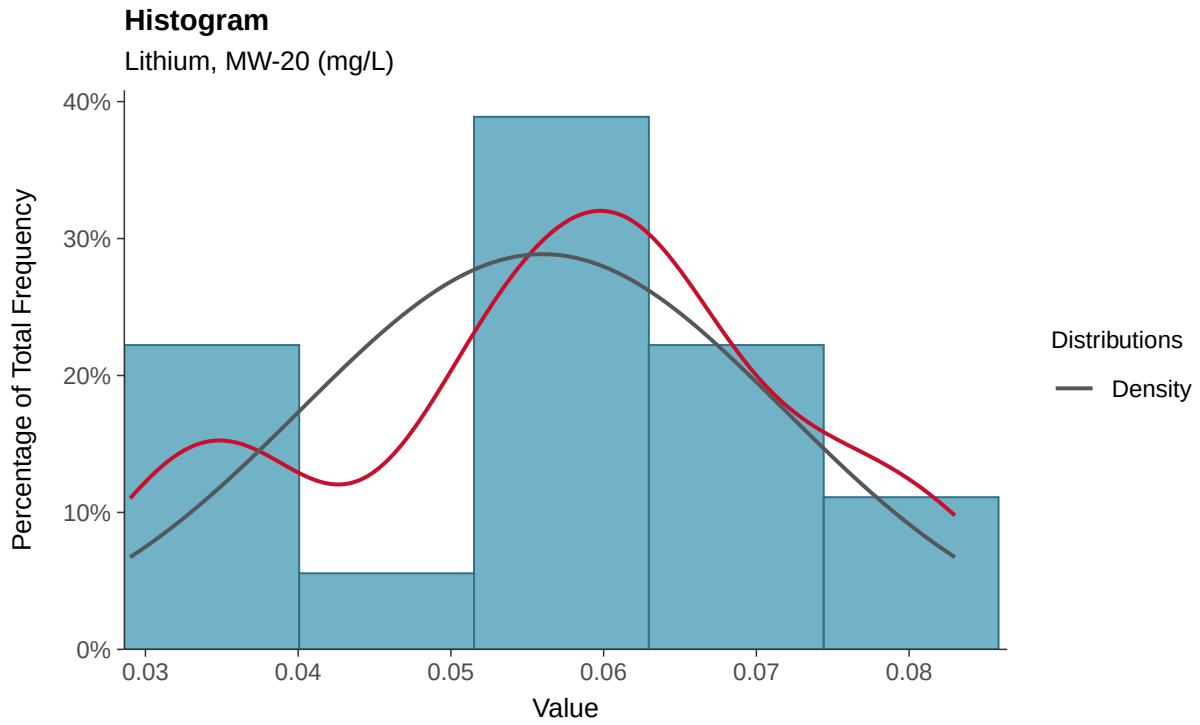



Trend Regression: Piecewise Linear-Linear
Lead, MW-20 (mg/L)
0.008
0.006
0.004
0.002
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Lithium, MW-20

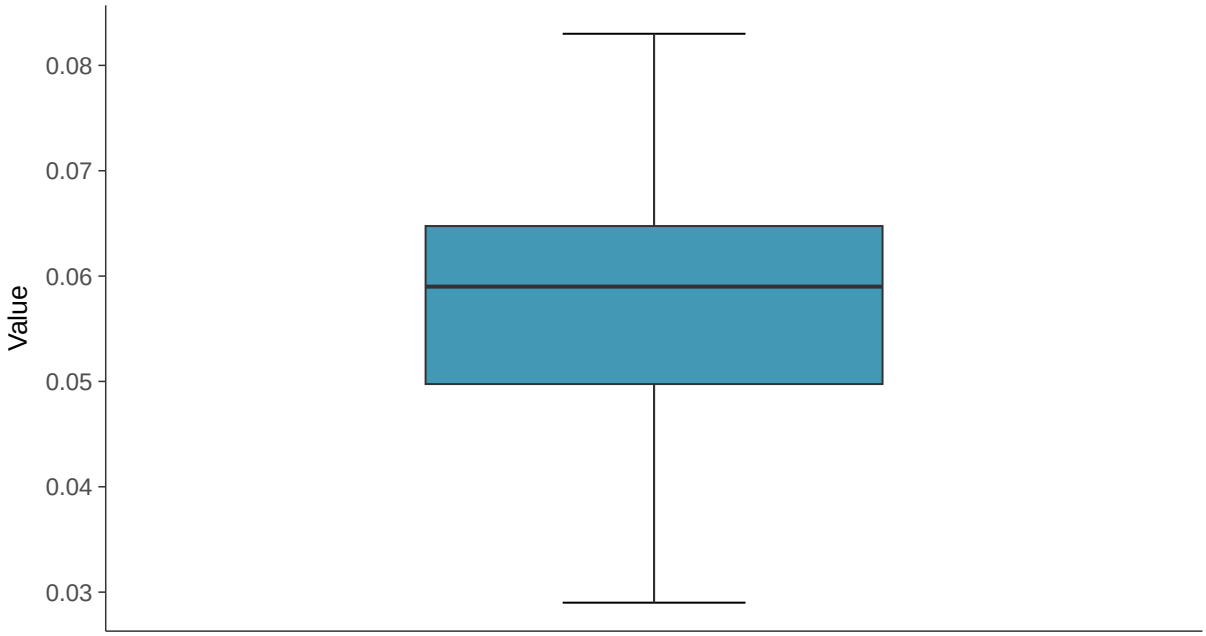
ID: 30_1_4_116





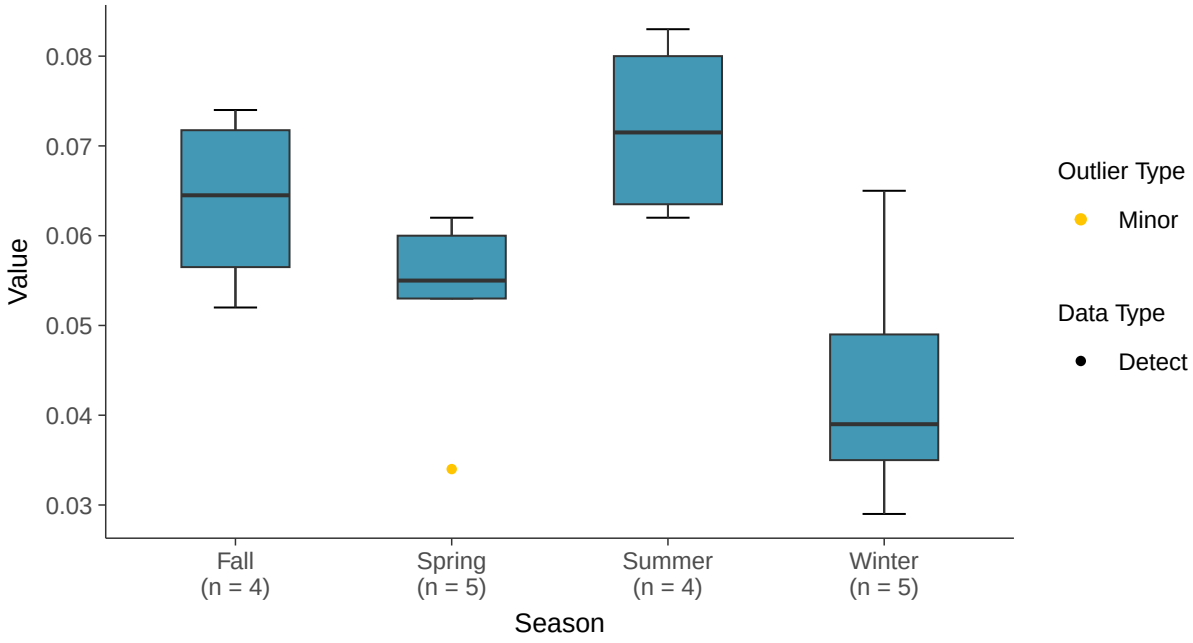
Boxplot

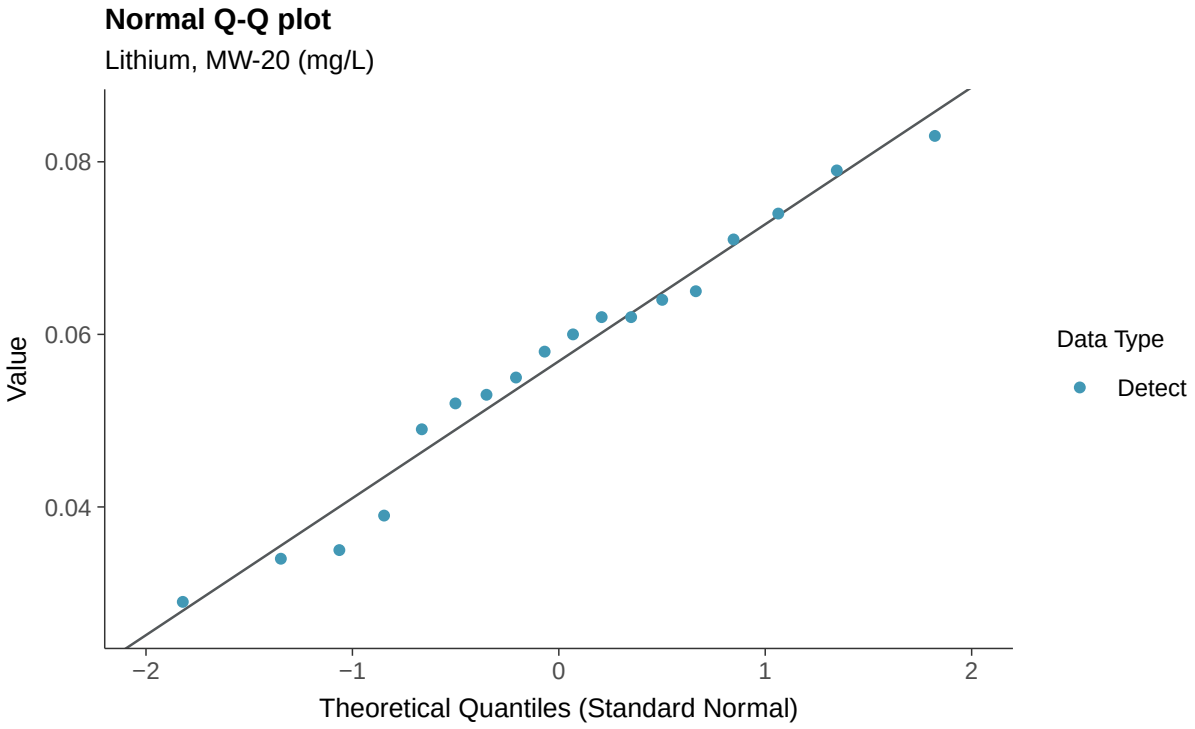
Lithium, MW-20 (mg/L)

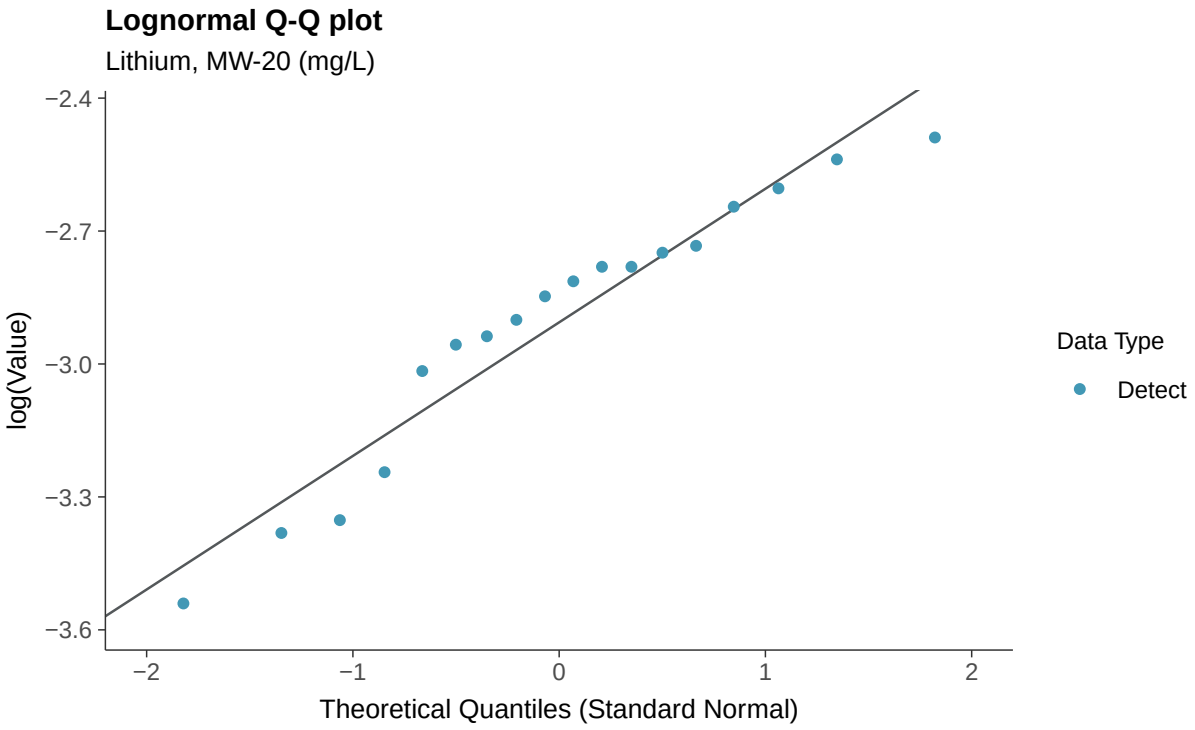


Boxplot by Season

Lithium, MW-20 (mg/L)

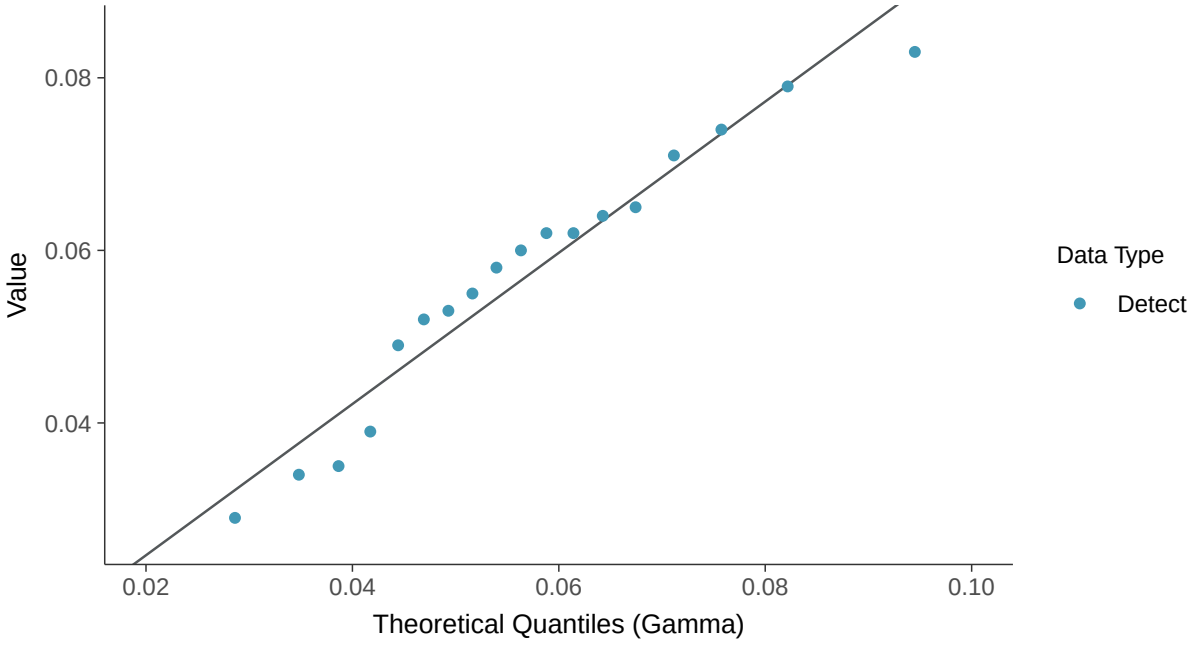



Normal Q-Q plot
Lithium, MW-20 (mg/L)
Value
0.08
0.06
0.04
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Lithium, MW-20 (mg/L)
log(Value)
−2.4
−2.7
−3.0
−3.3
−3.6
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

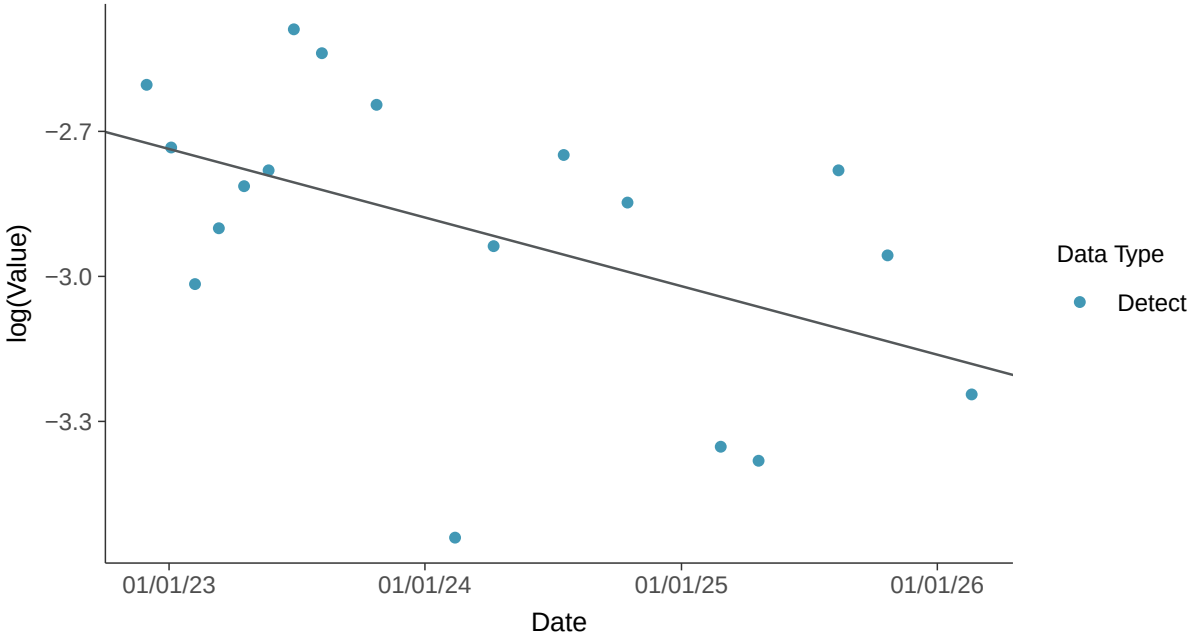
Gamma Q-Q plot

Lithium, MW-20 (mg/L)



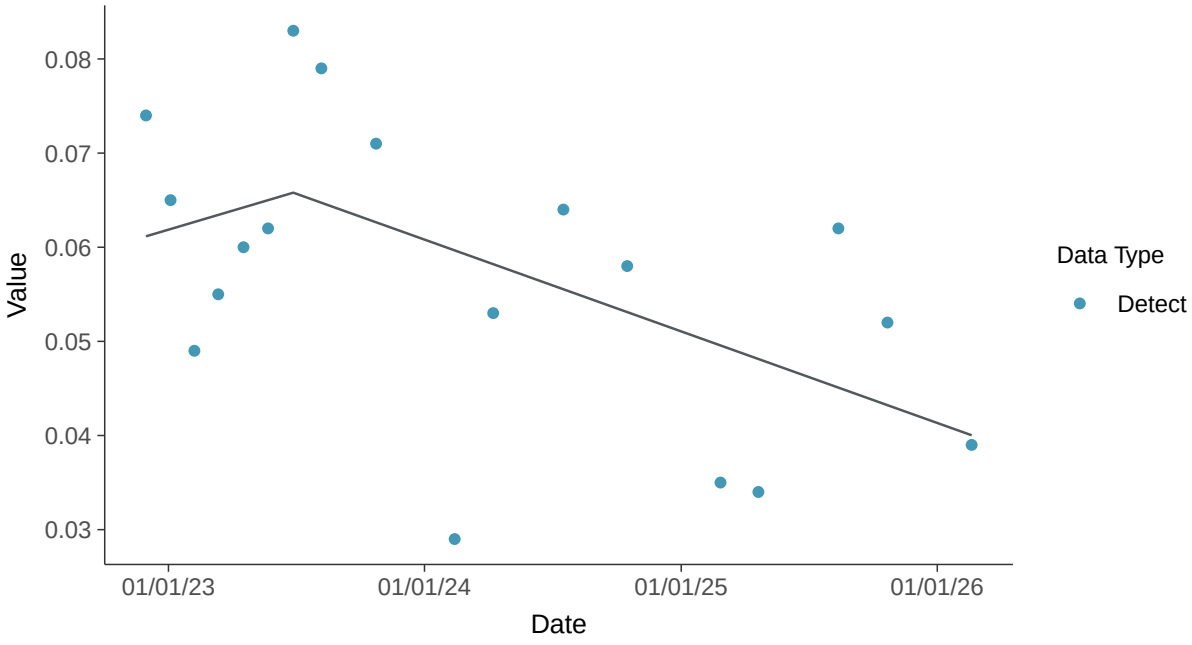
Trend Regression: Lognormal MLE

Lithium, MW-20 (mg/L)



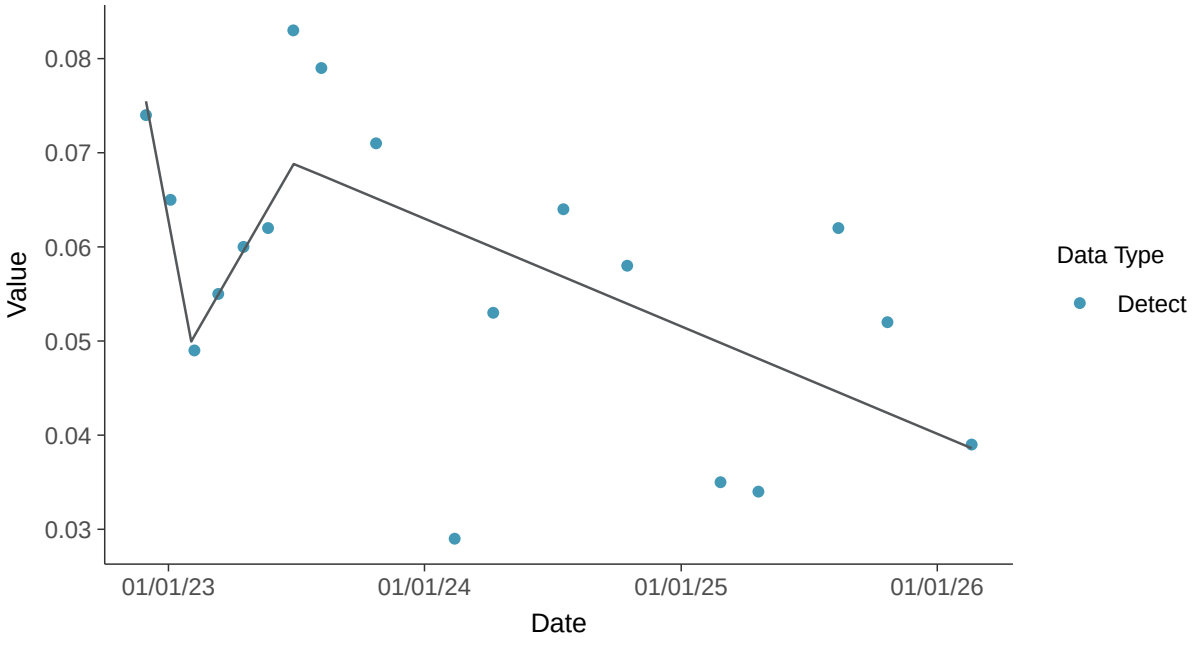
Trend Regression: Piecewise Linear-Linear

Lithium, MW-20 (mg/L)



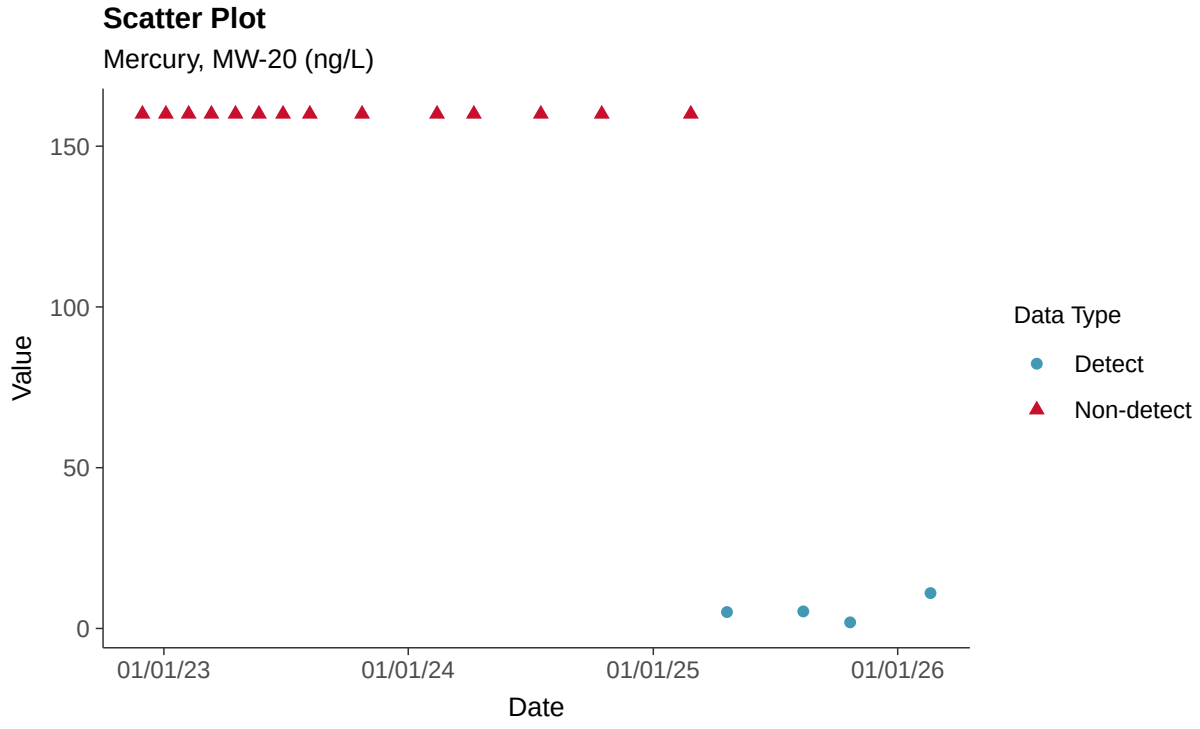
Trend Regression: Piecewise Linear-Linear-Linear

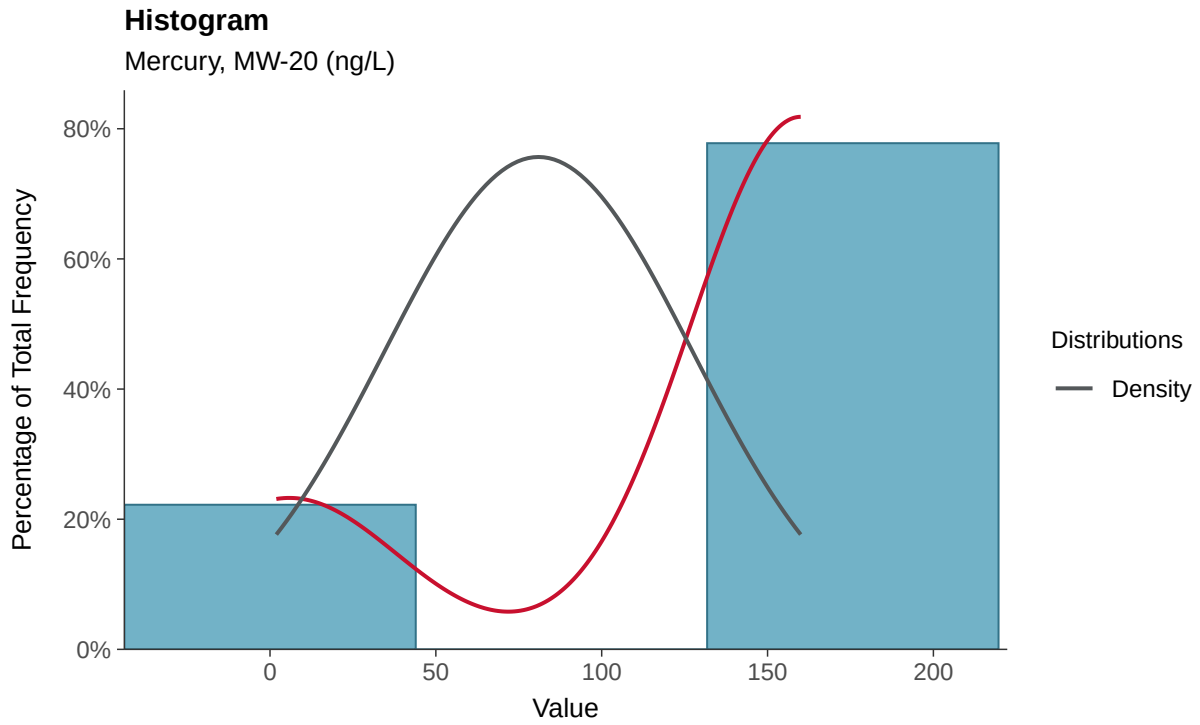
Lithium, MW-20 (mg/L)



Appendix IV: Mercury, MW-20

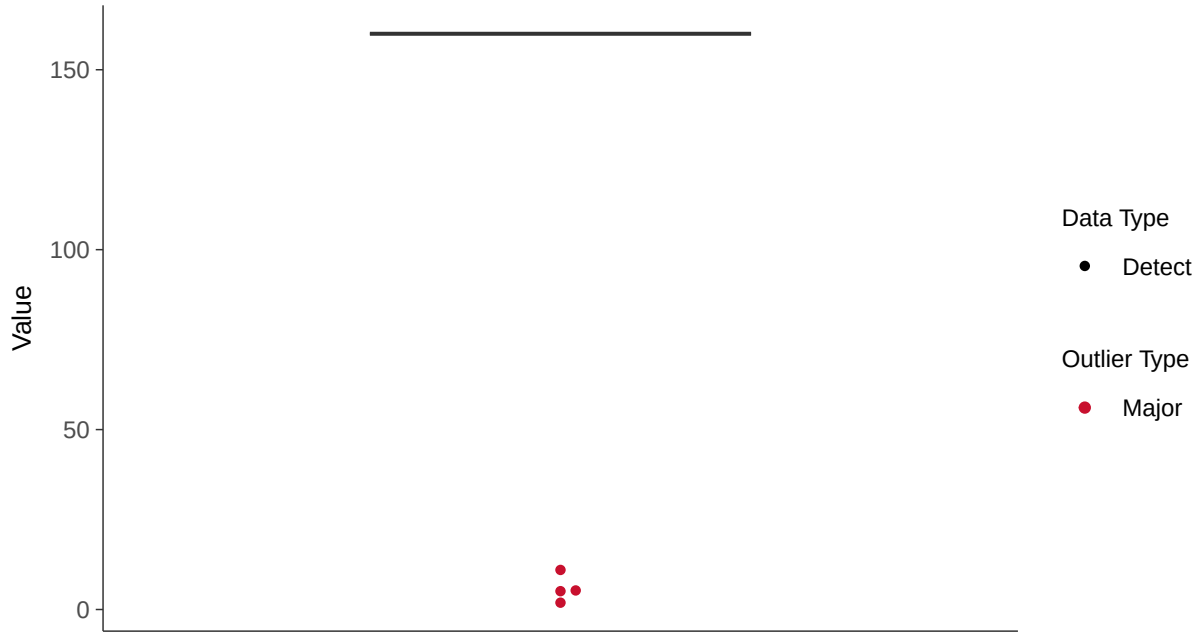
ID: 30_1_4_117





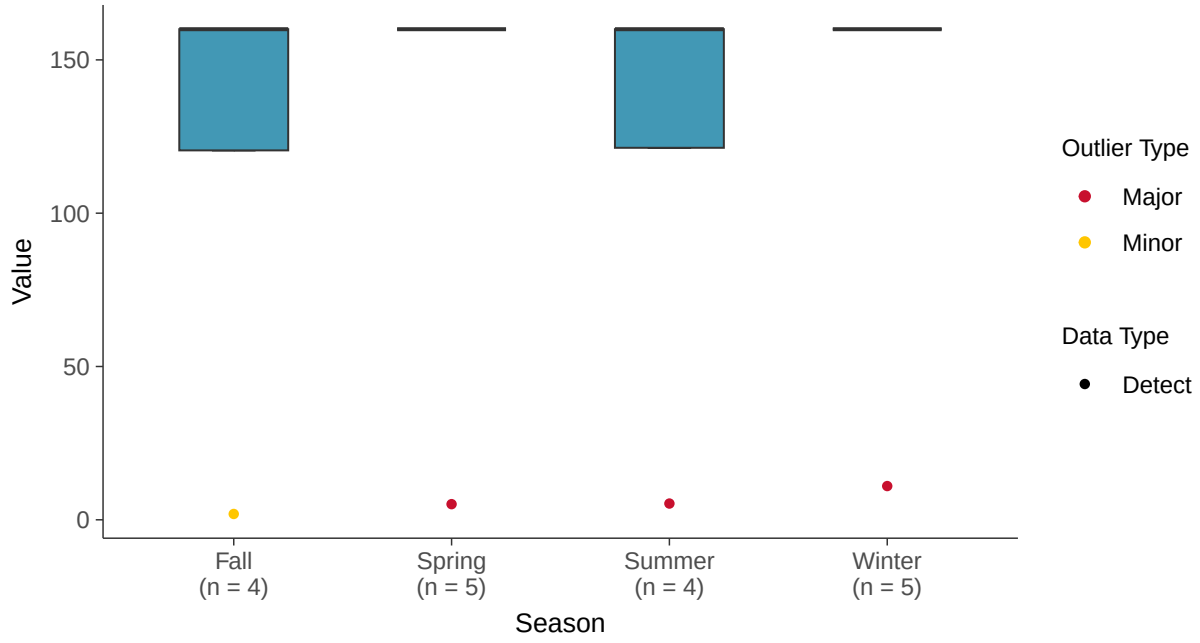
Boxplot

Mercury, MW-20 (ng/L)



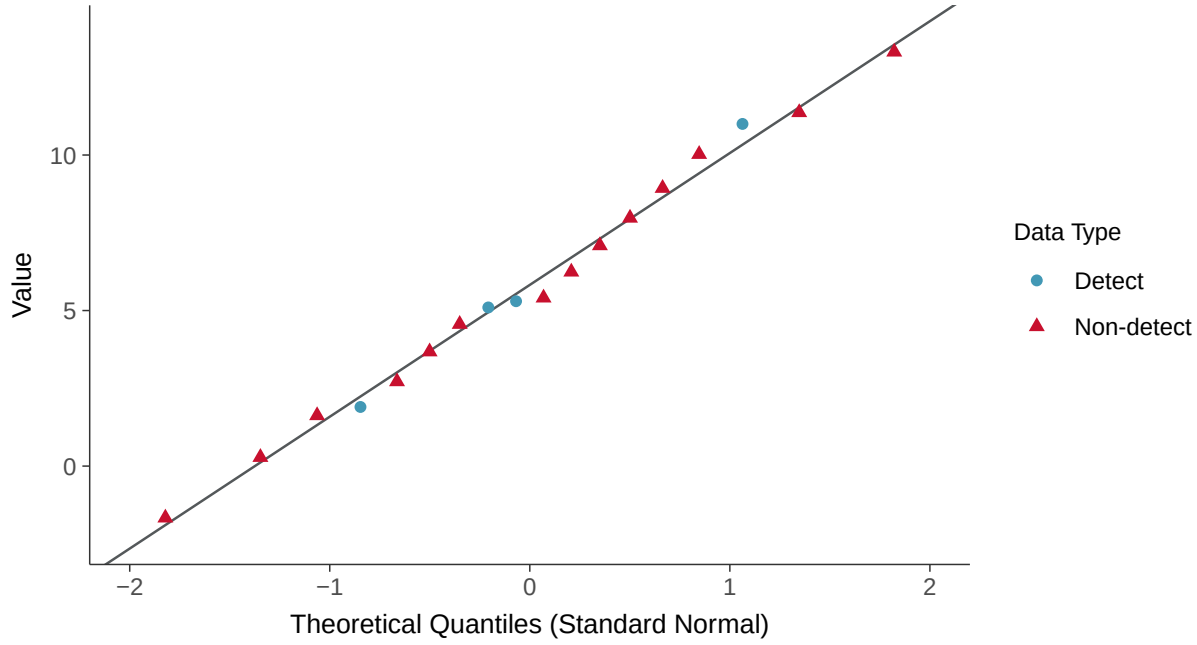
Boxplot by Season

Mercury, MW-20 (ng/L)



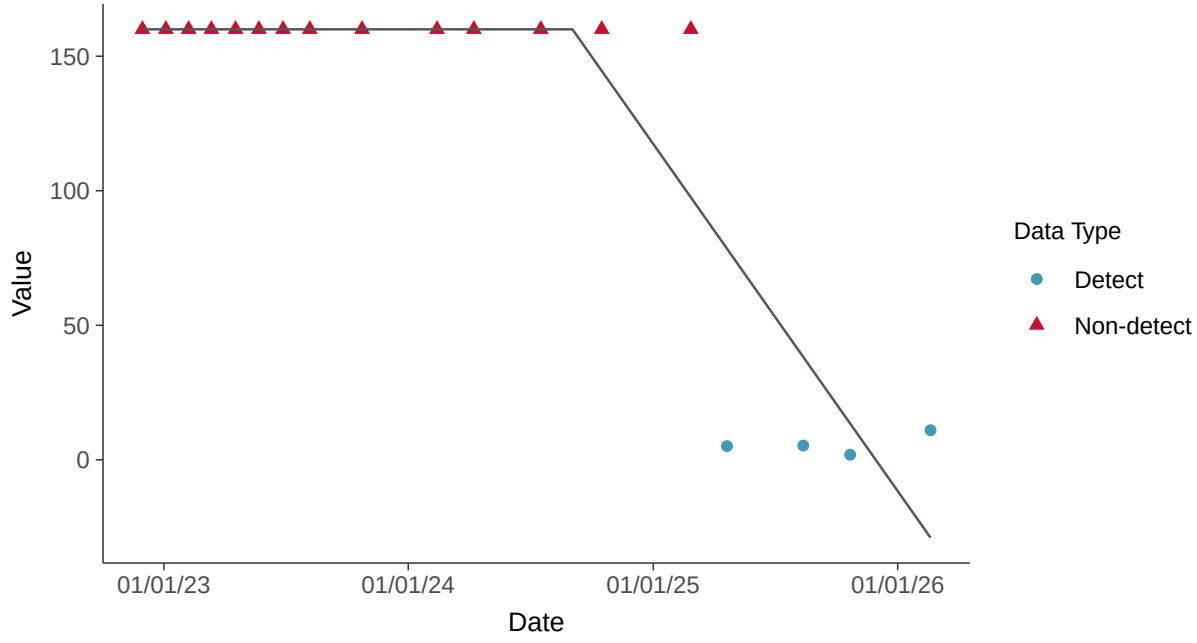
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-20 (ng/L)



Trend Regression: Piecewise Linear-Linear

Mercury, MW-20 (ng/L)

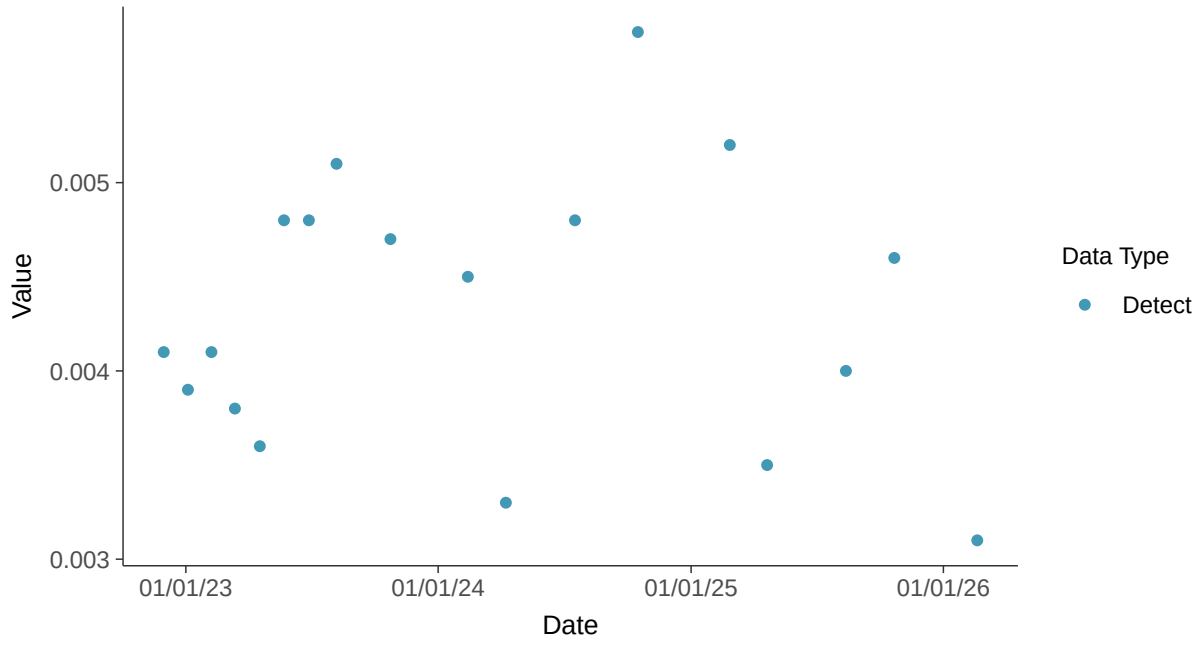


Appendix IV: Molybdenum, MW-20

ID: 30_1_4_118

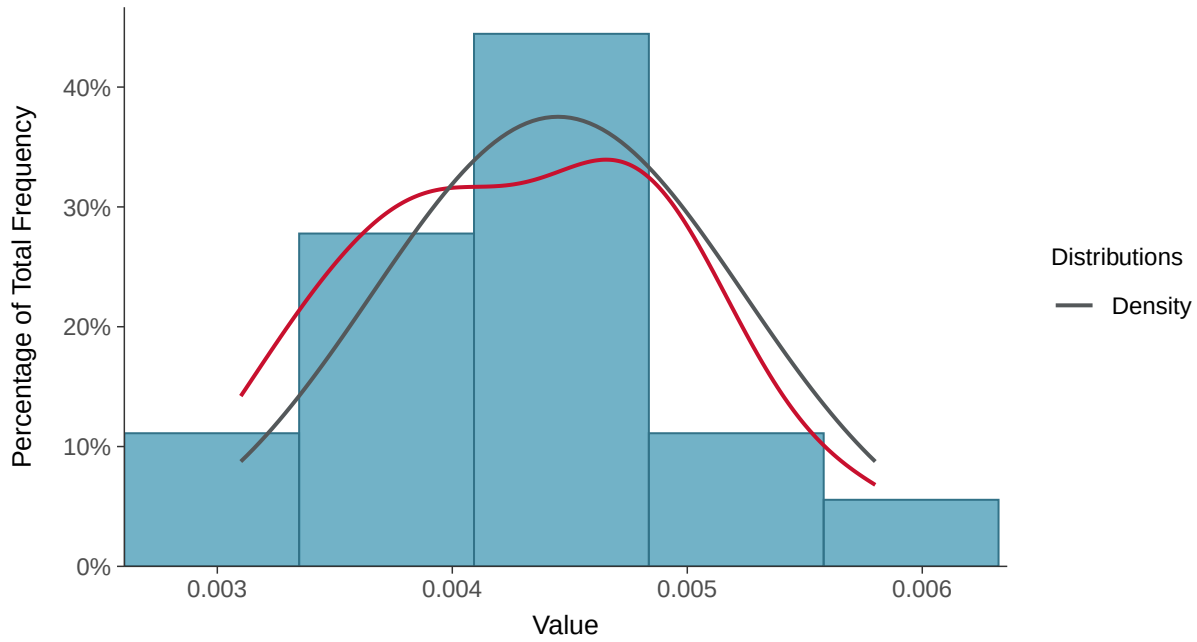
Scatter Plot

Molybdenum, MW-20 (mg/L)



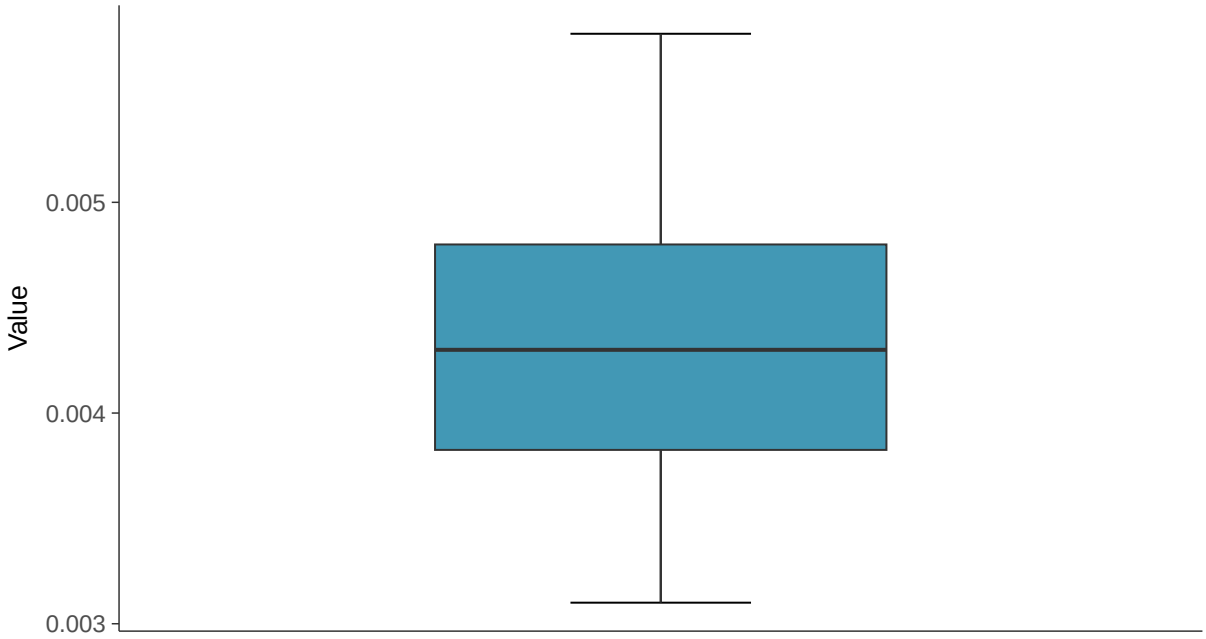
Histogram

Molybdenum, MW-20 (mg/L)



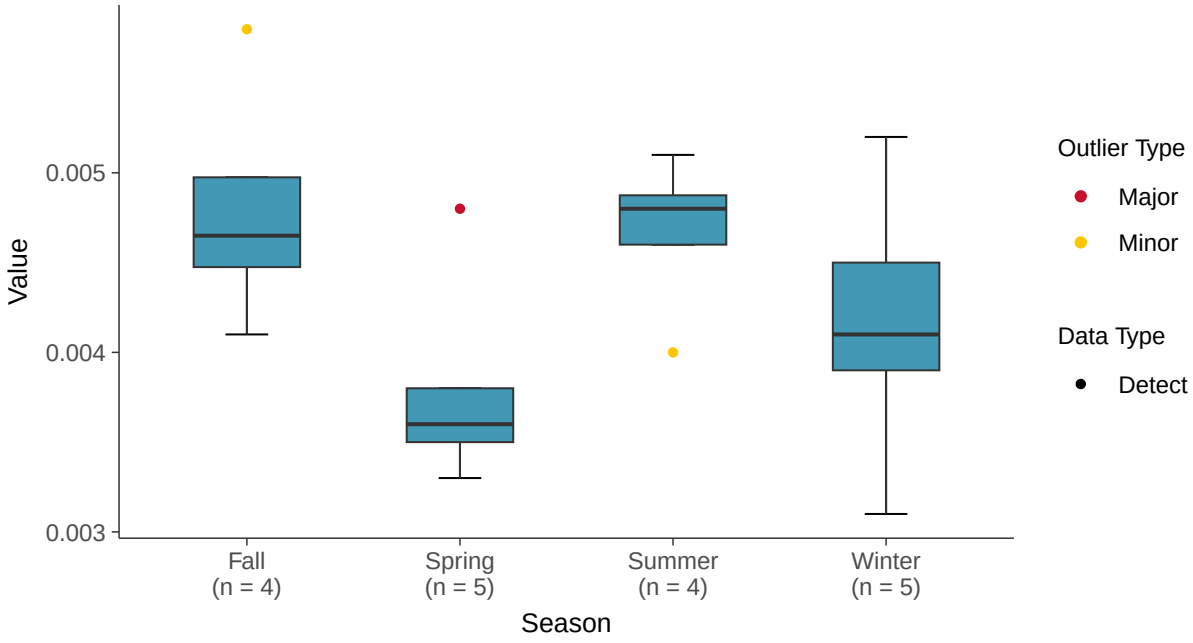
Boxplot

Molybdenum, MW-20 (mg/L)



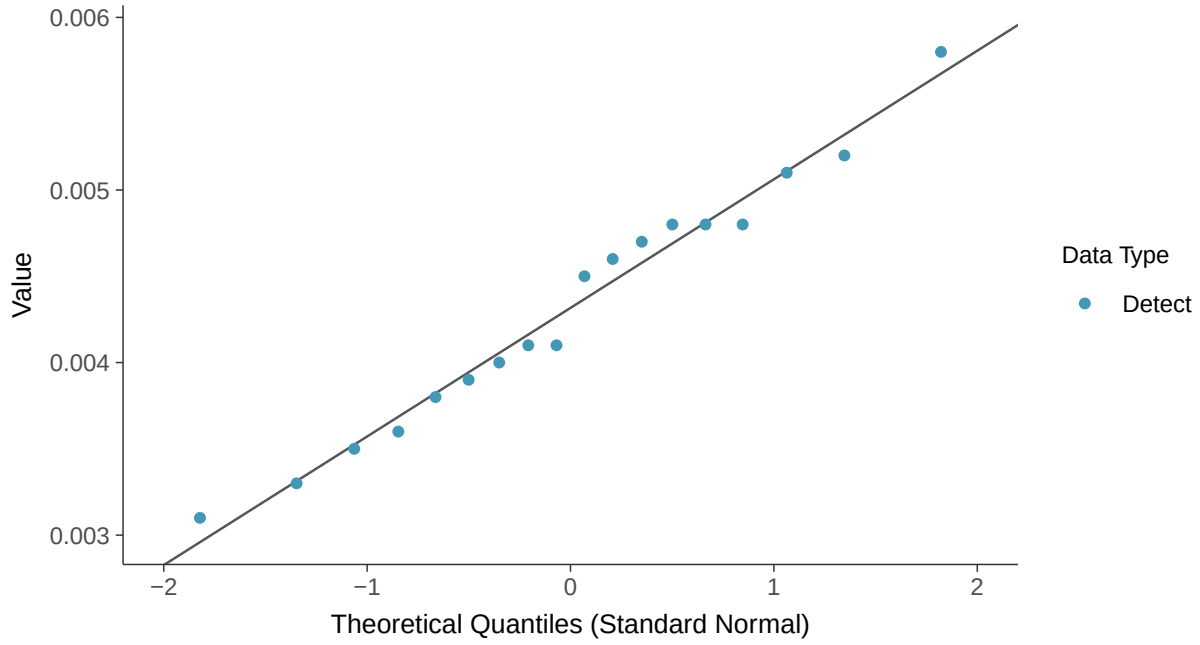
Boxplot by Season

Molybdenum, MW-20 (mg/L)



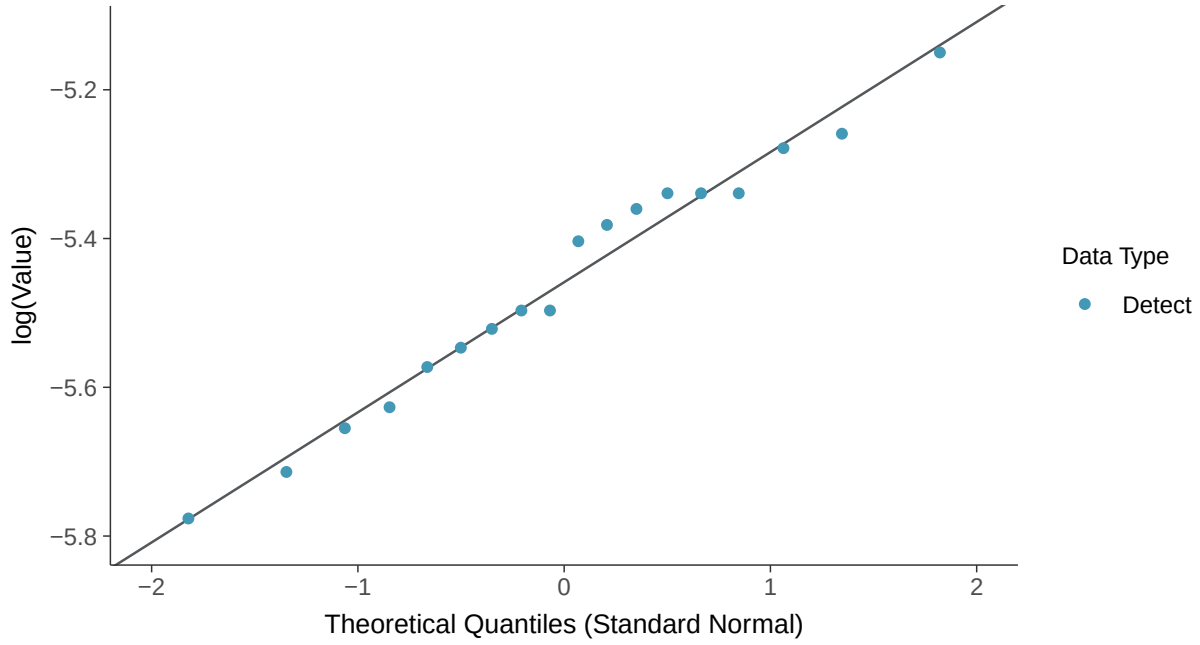
Normal Q-Q plot

Molybdenum, MW-20 (mg/L)



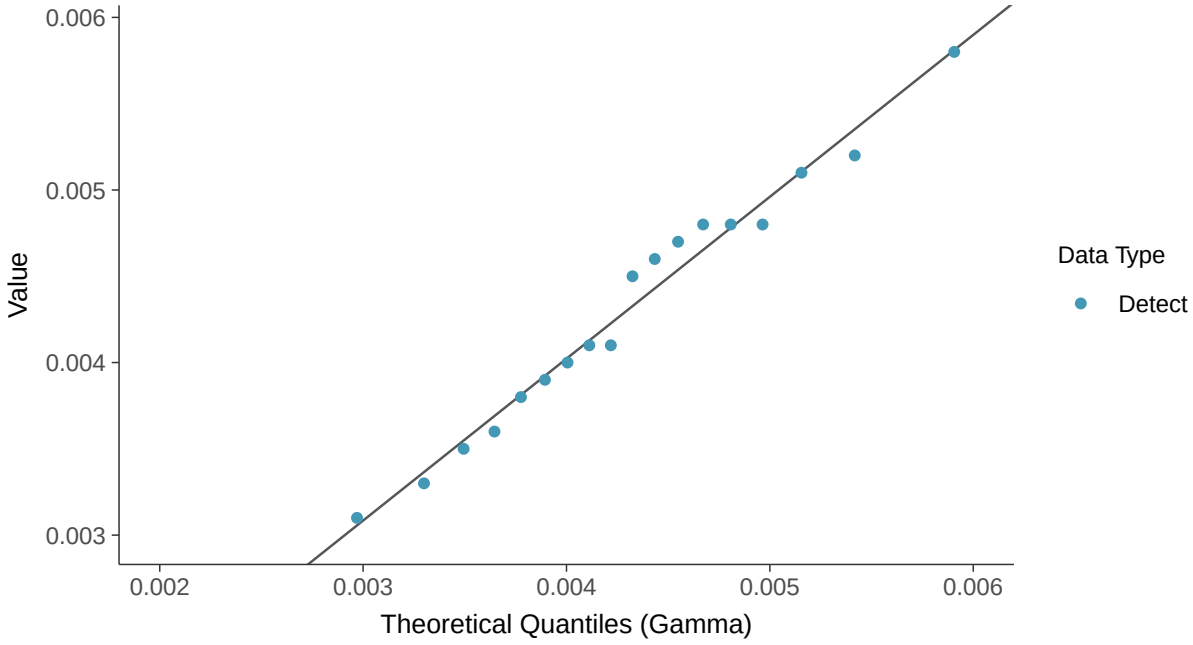
Lognormal Q-Q plot

Molybdenum, MW-20 (mg/L)



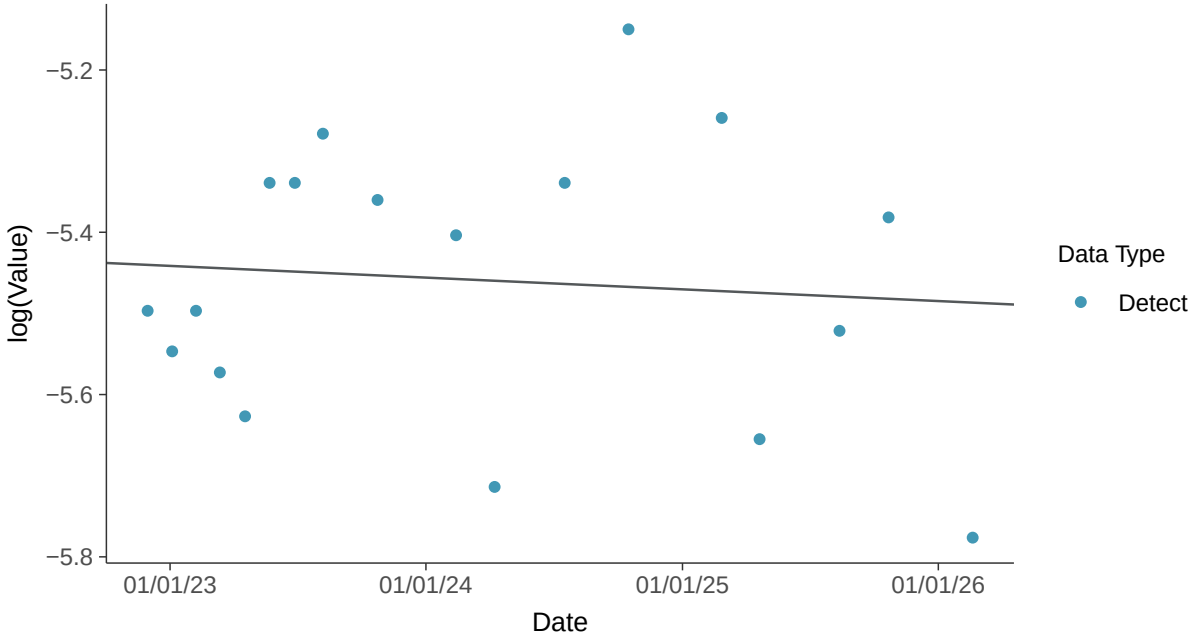
Gamma Q-Q plot

Molybdenum, MW-20 (mg/L)



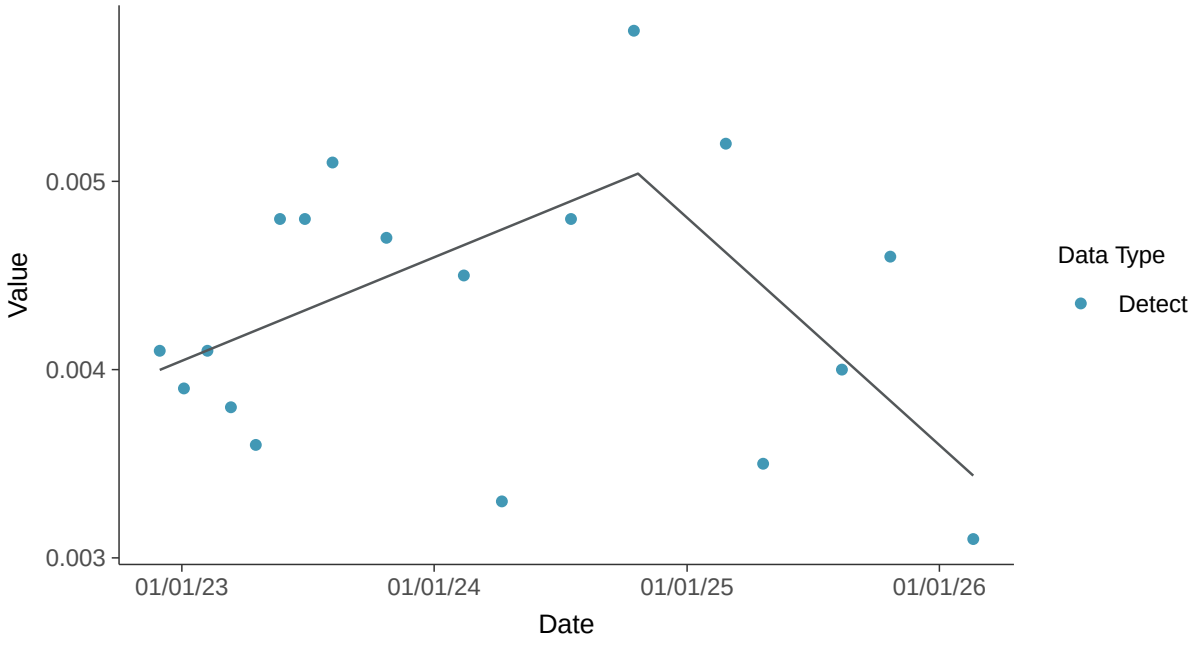
Trend Regression: Lognormal MLE

Molybdenum, MW-20 (mg/L)



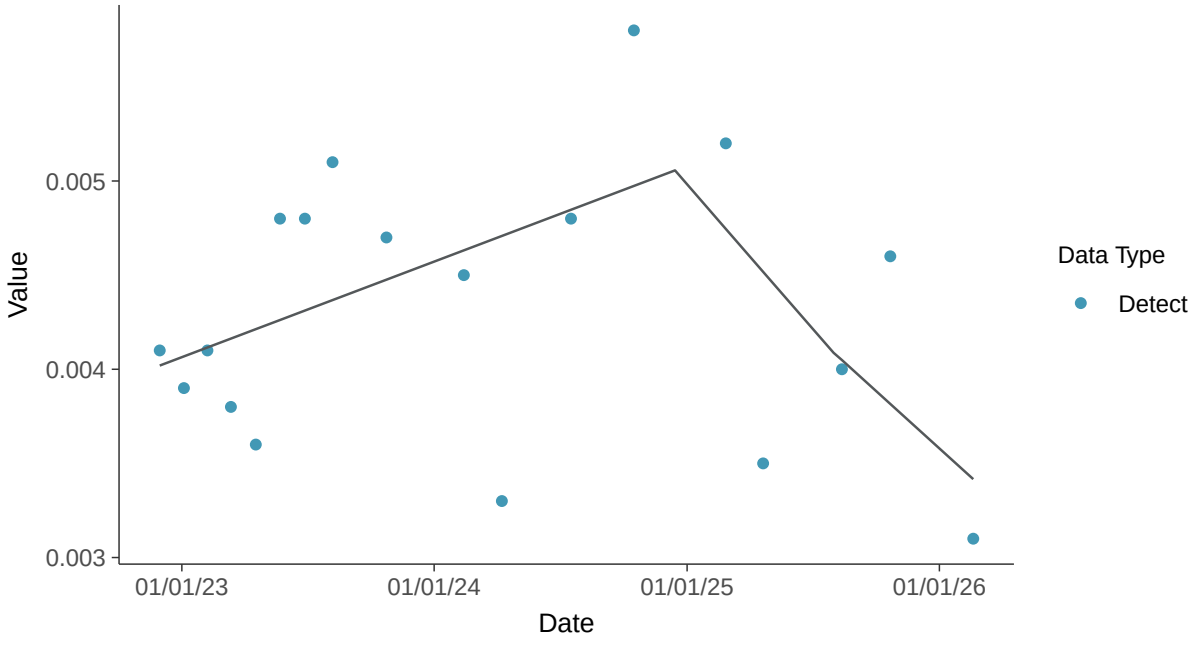
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-20 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Molybdenum, MW-20 (mg/L)

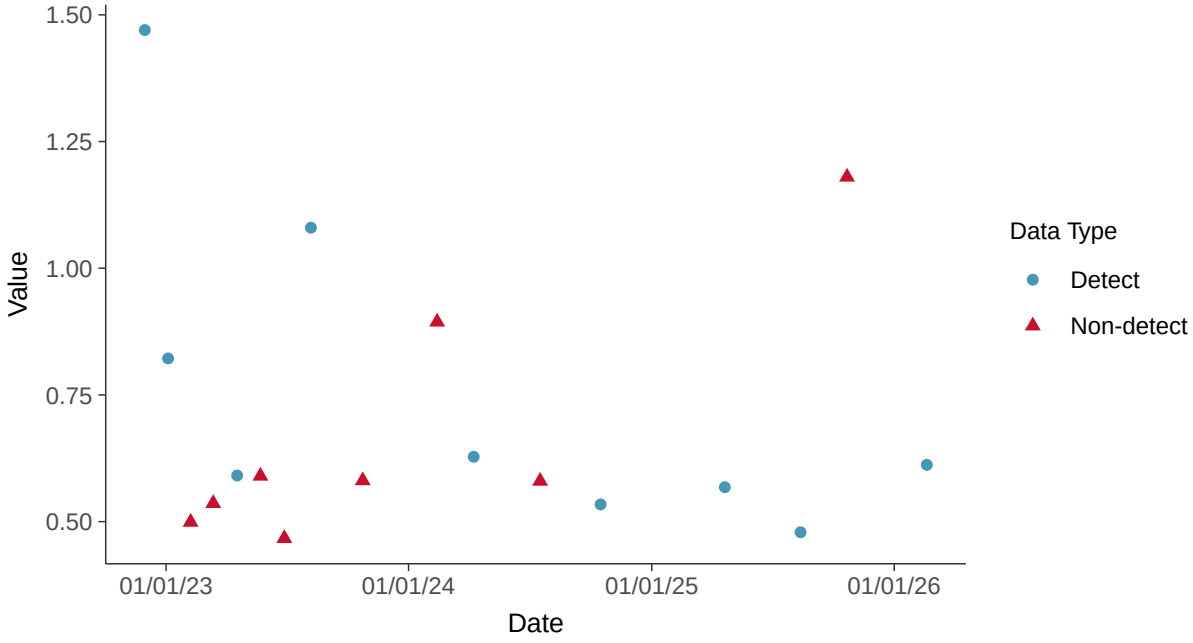


Appendix IV: Radium 226 and 228, MW-20

ID: 30_1_4_121

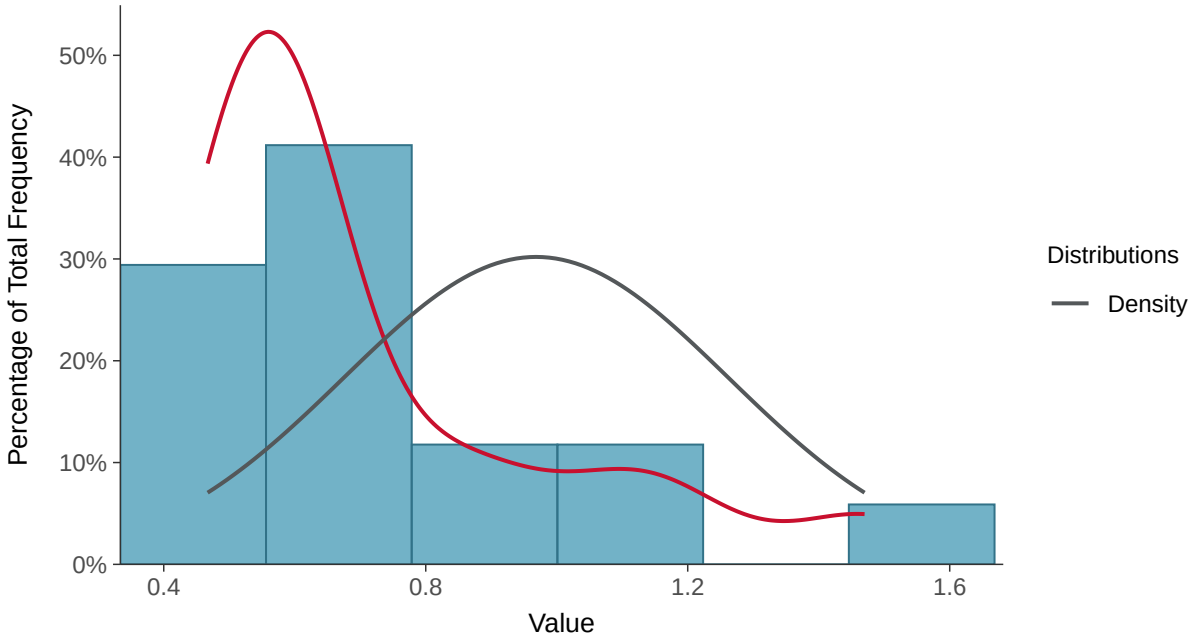
Scatter Plot

Radium 226 and 228, MW-20 (pCi/L)



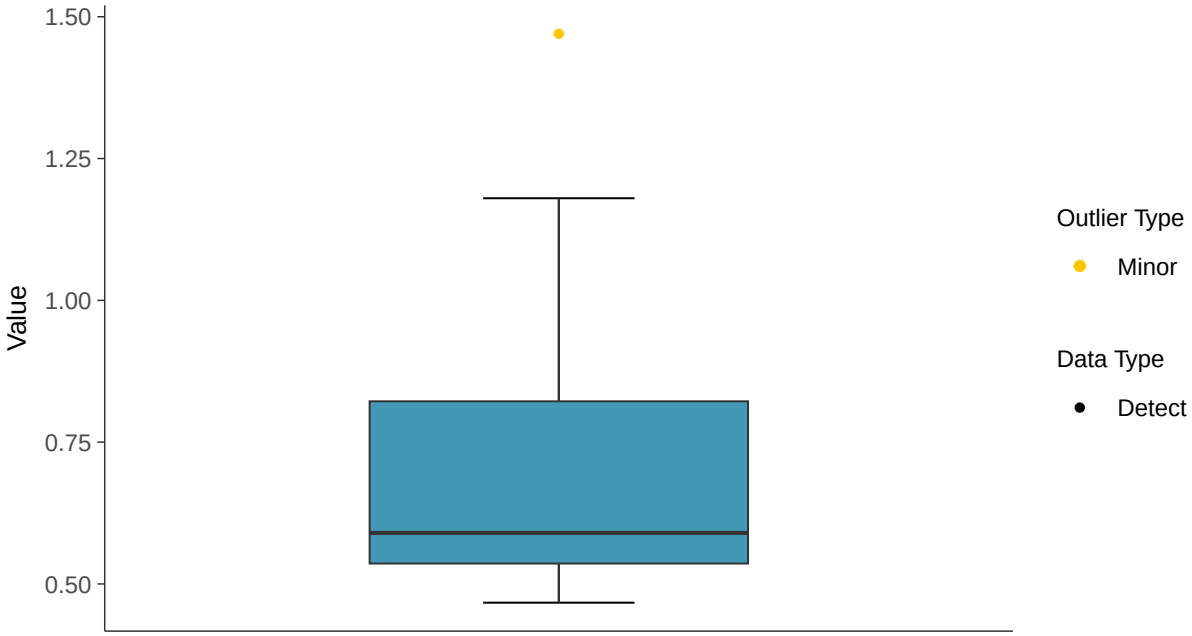
Histogram

Radium 226 and 228, MW-20 (pCi/L)



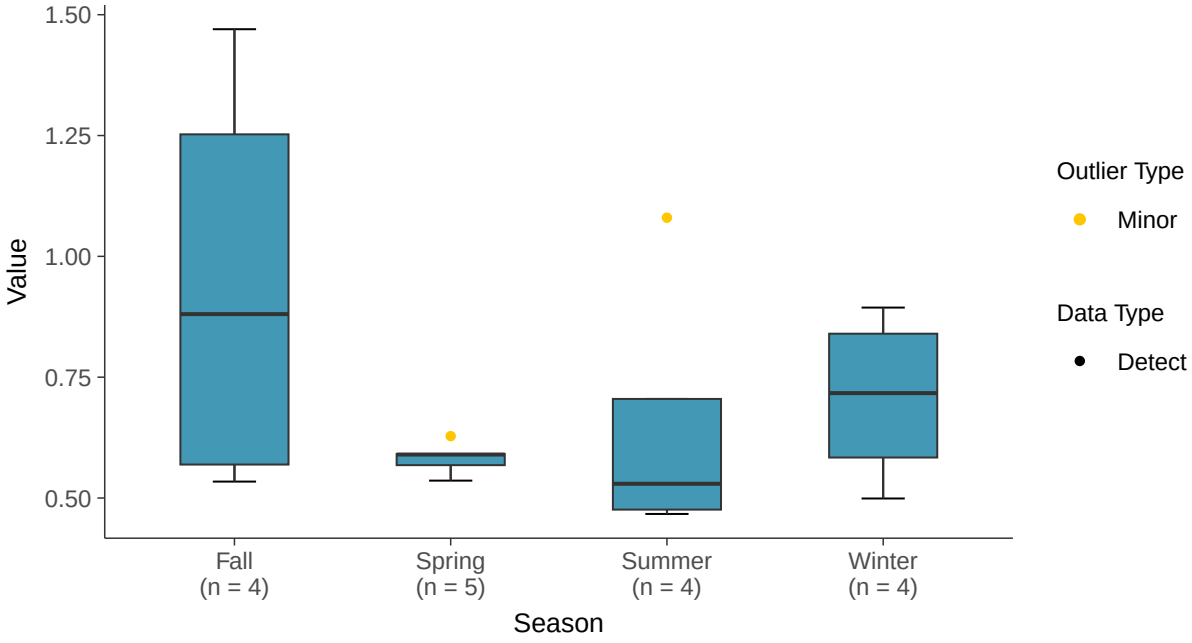
Boxplot

Radium 226 and 228, MW-20 (pCi/L)



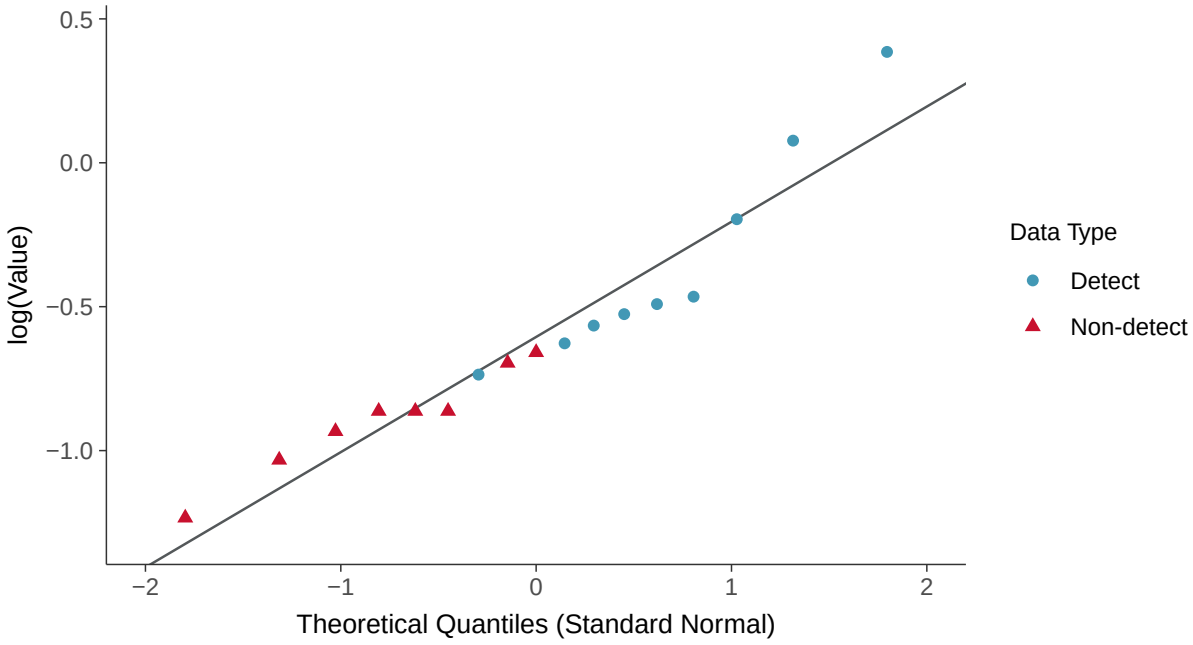
Boxplot by Season

Radium 226 and 228, MW-20 (pCi/L)



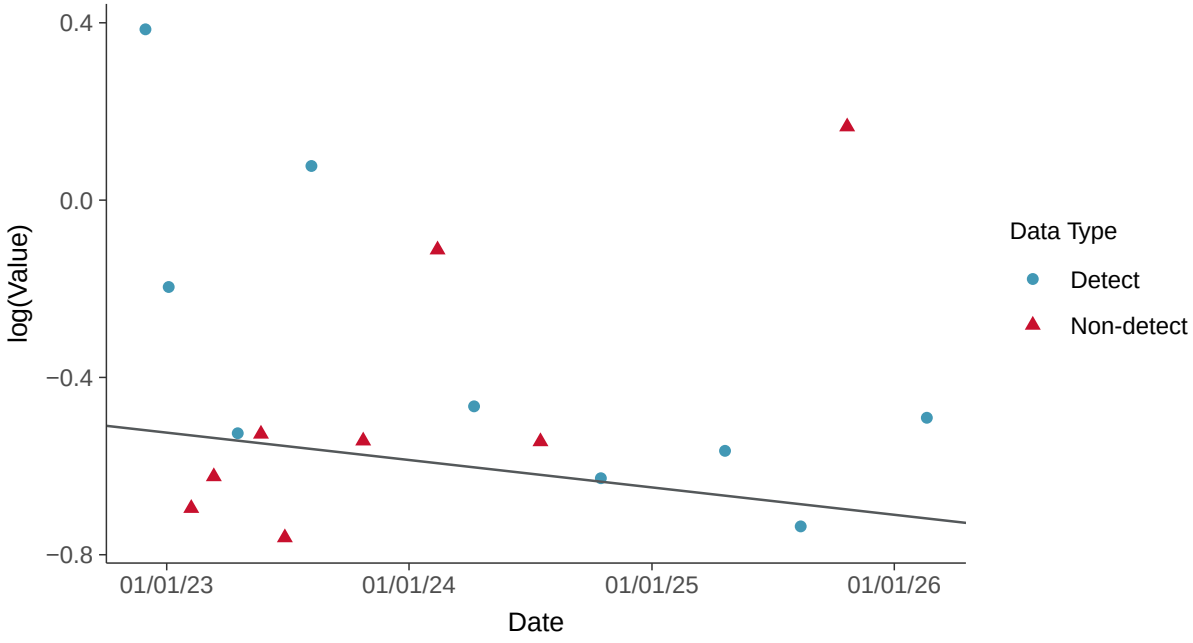
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-20 (pCi/L)



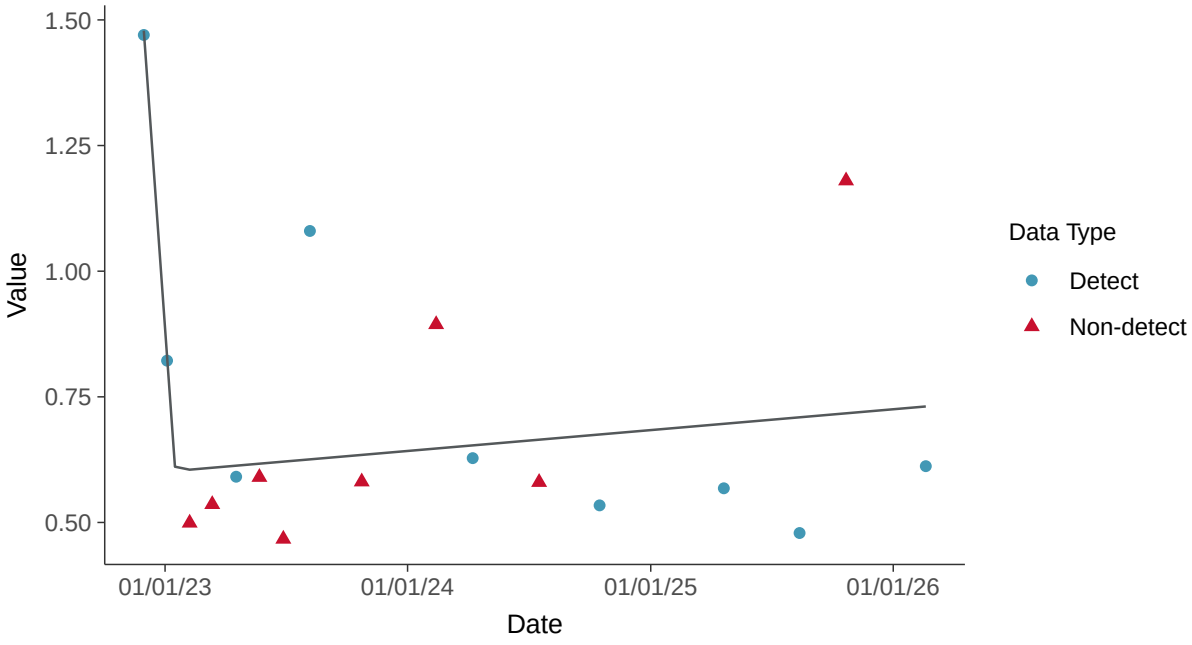
Trend Regression: Lognormal MLE

Radium 226 and 228, MW-20 (pCi/L)



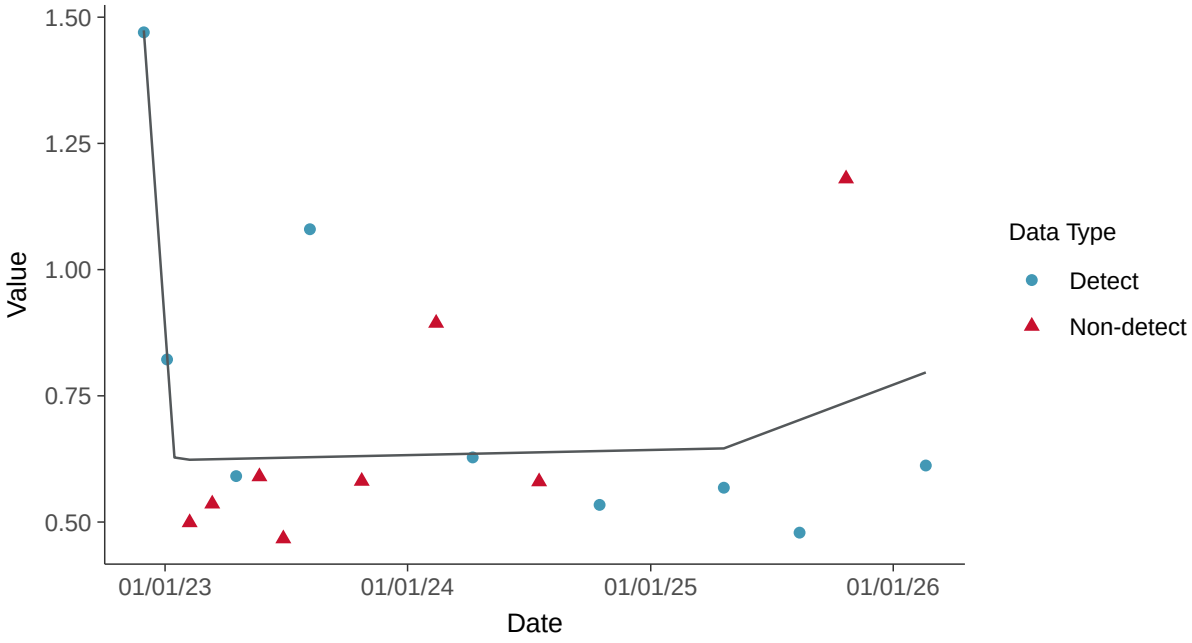
Trend Regression: Piecewise Linear-Linear

Radium 226 and 228, MW-20 (pCi/L)



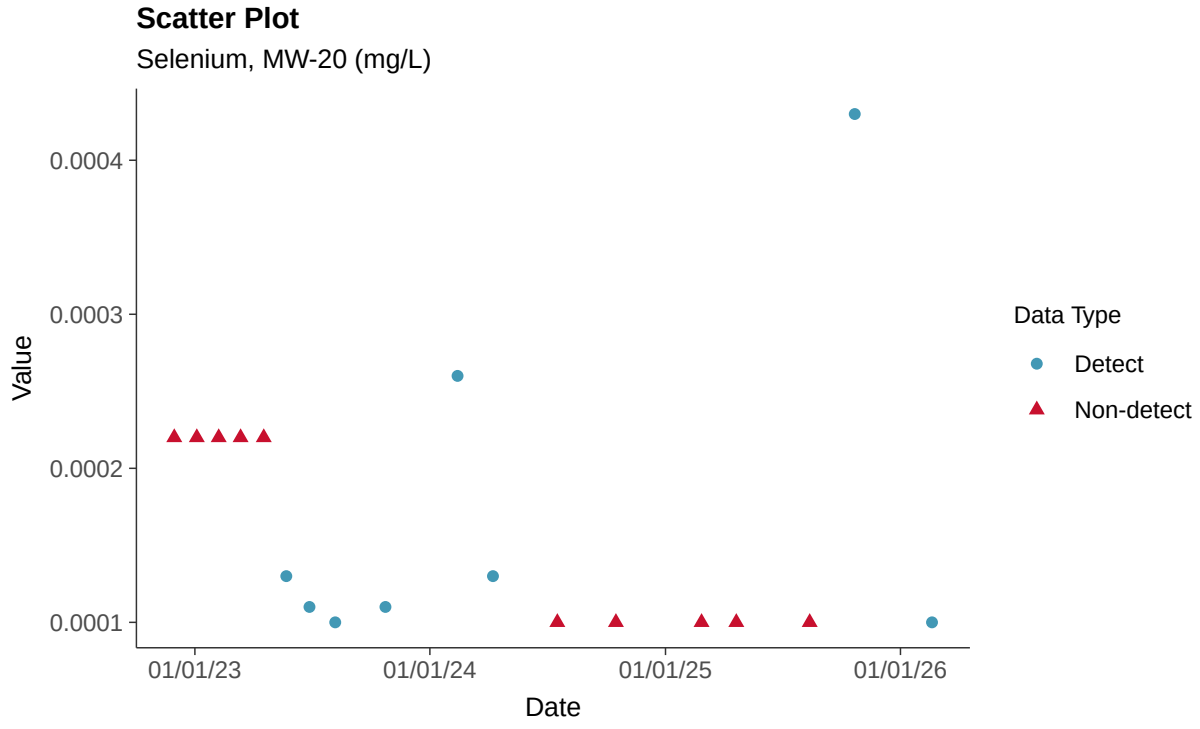
Trend Regression: Piecewise Linear-Linear-Linear

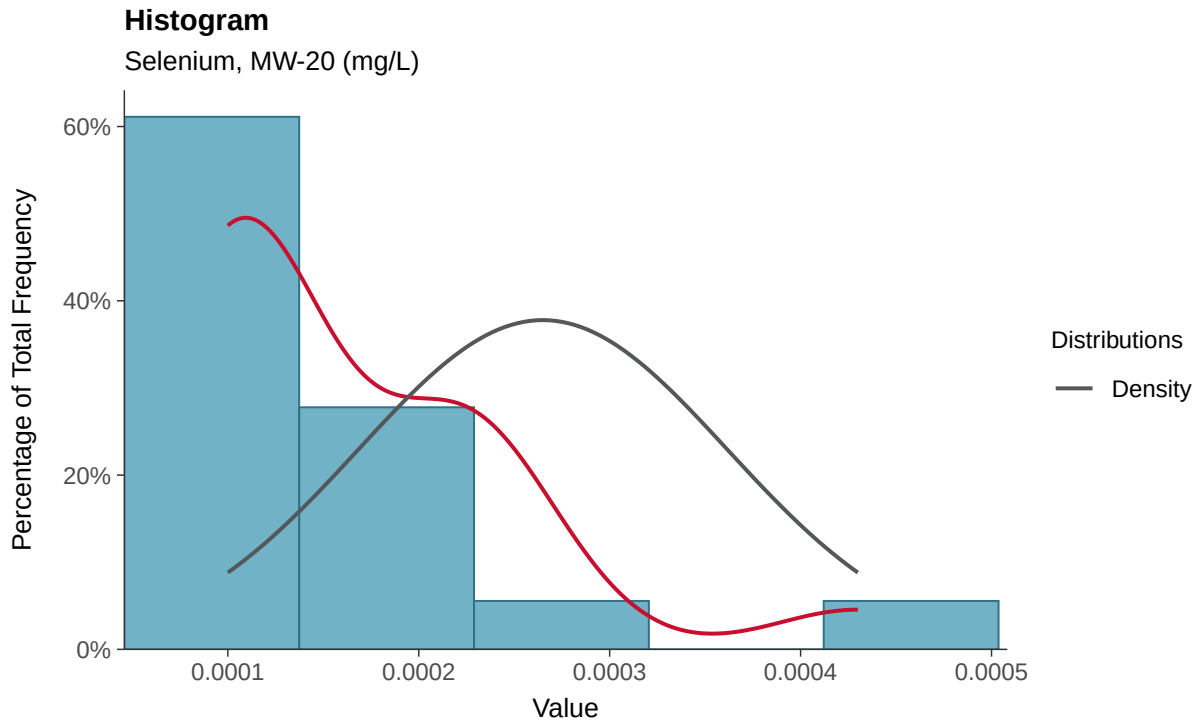
Radium 226 and 228, MW-20 (pCi/L)



Appendix IV: Selenium, MW-20

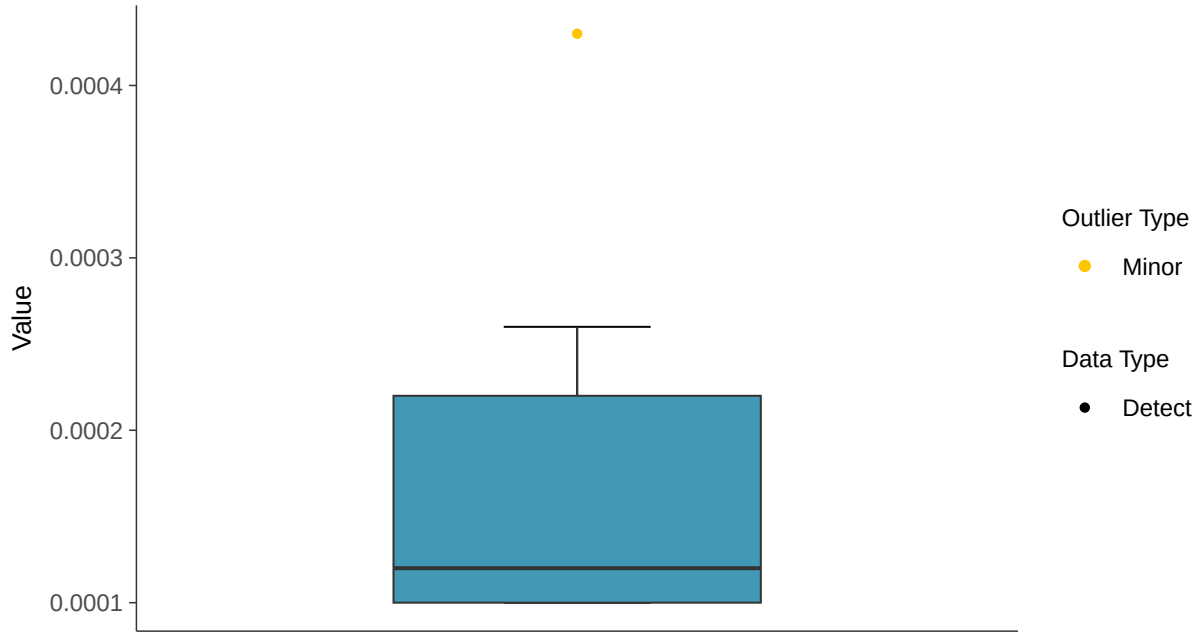
ID: 30_1_4_122





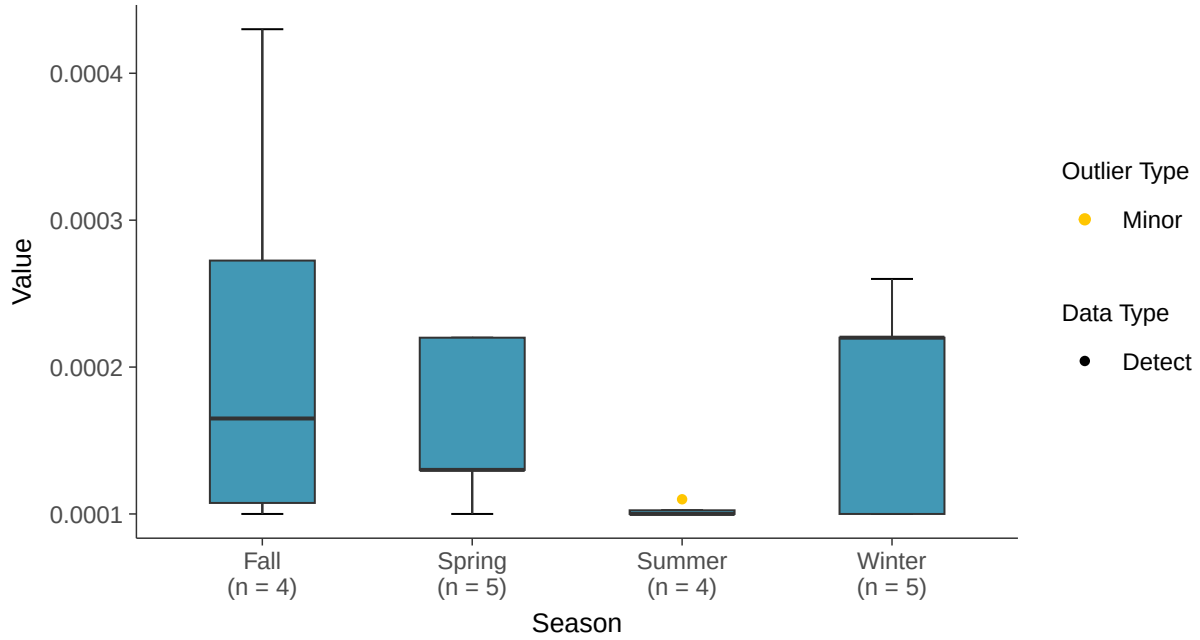
Boxplot

Selenium, MW-20 (mg/L)



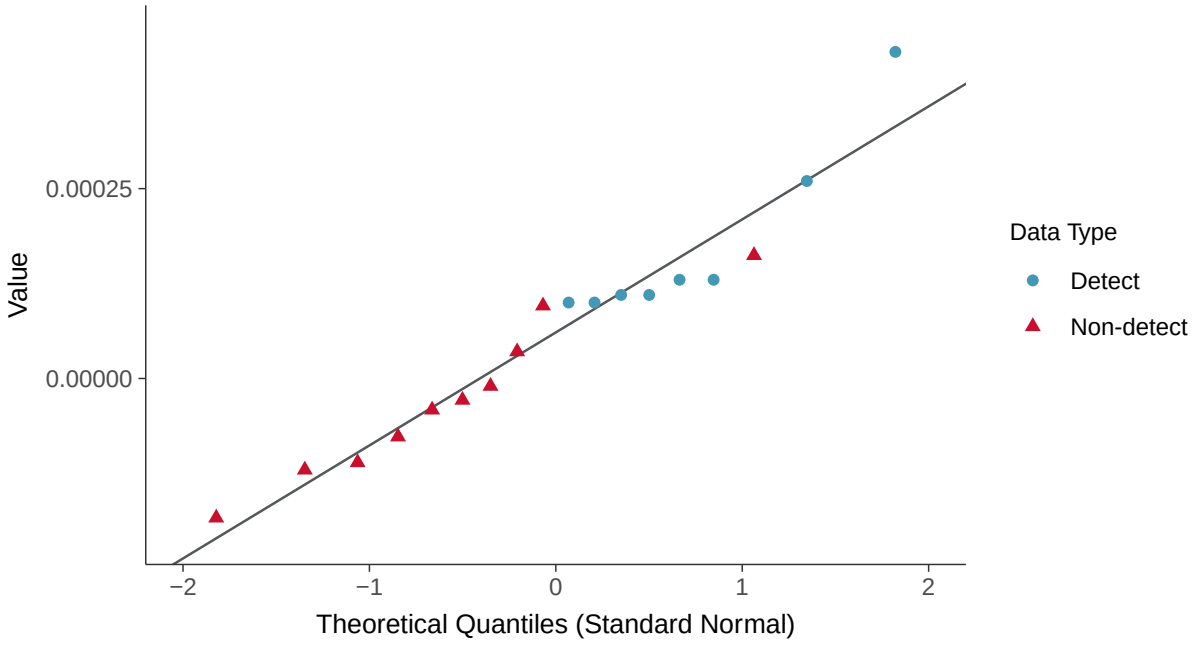
Boxplot by Season

Selenium, MW-20 (mg/L)



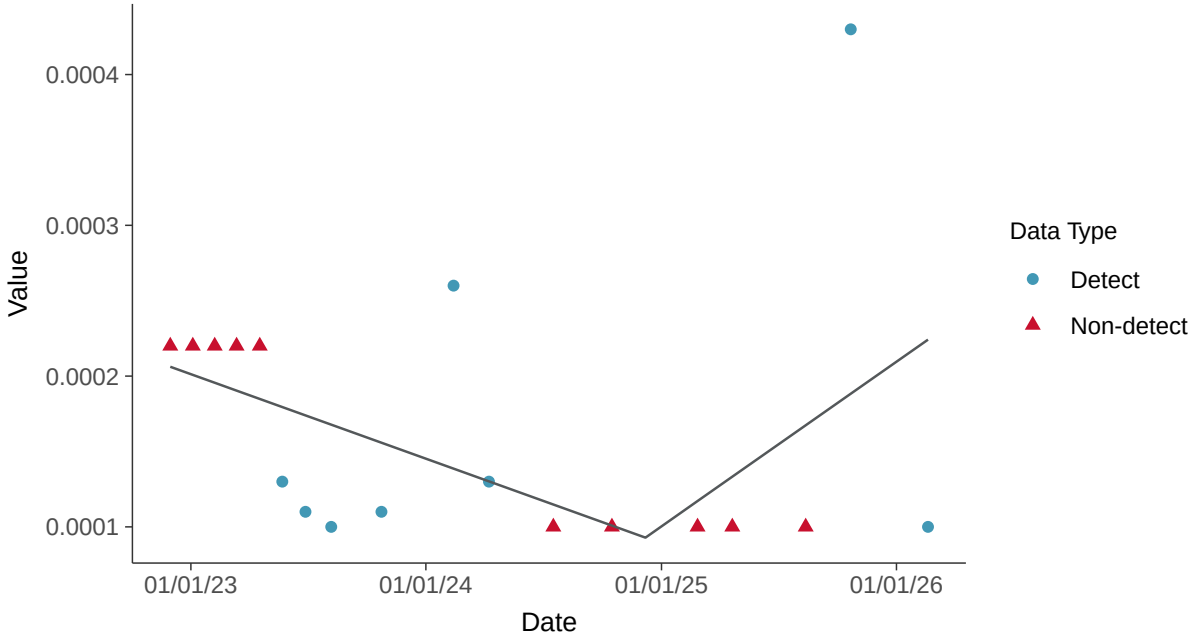
Normal Q-Q plot using ROS Imputed Estimates

Selenium, MW-20 (mg/L)



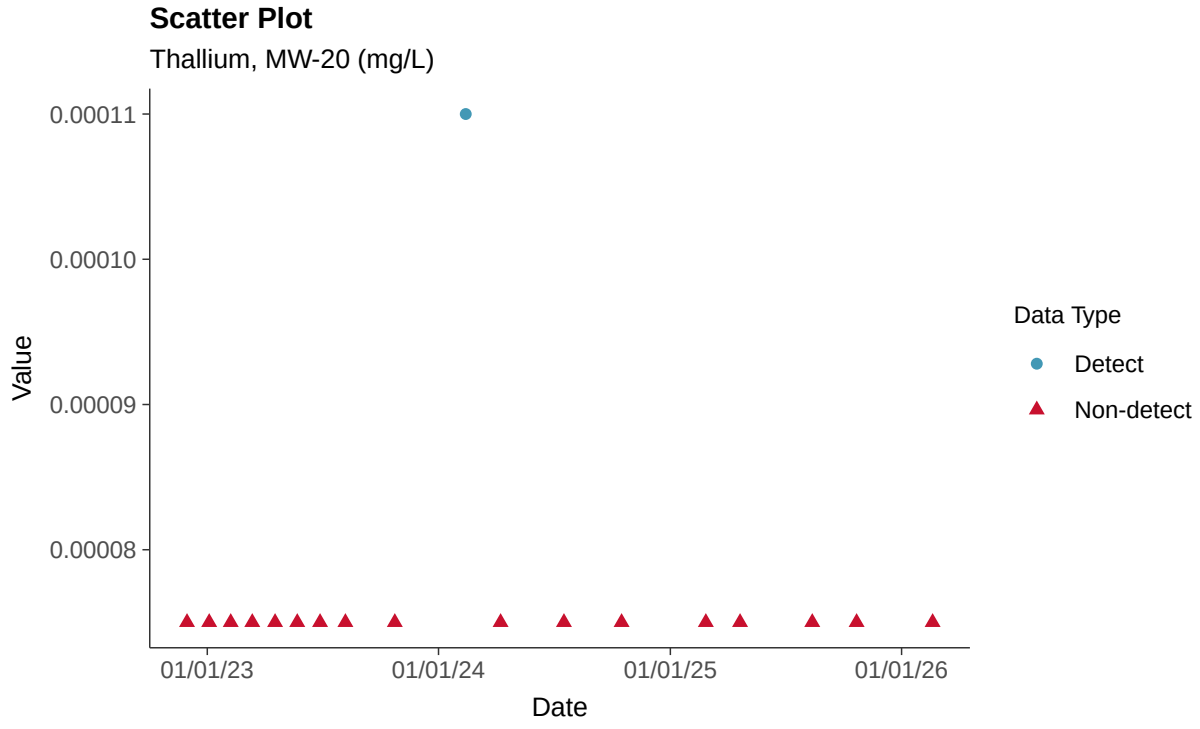
Trend Regression: Piecewise Linear-Linear

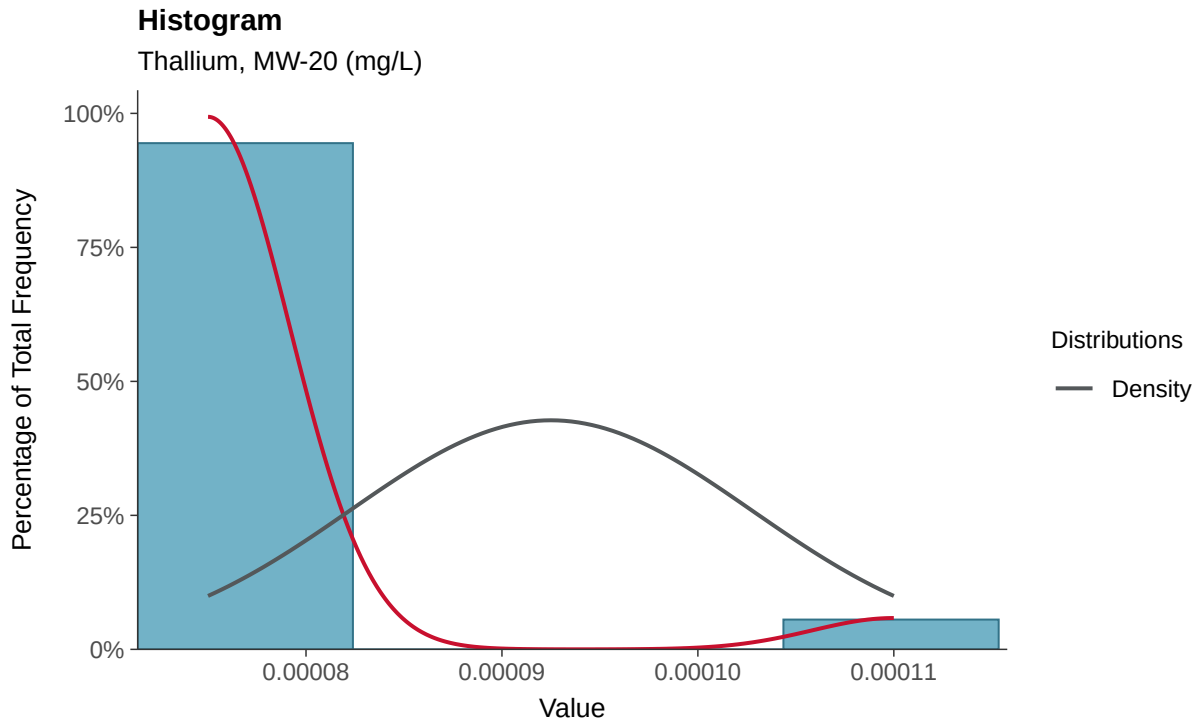
Selenium, MW-20 (mg/L)



Appendix IV: Thallium, MW-20

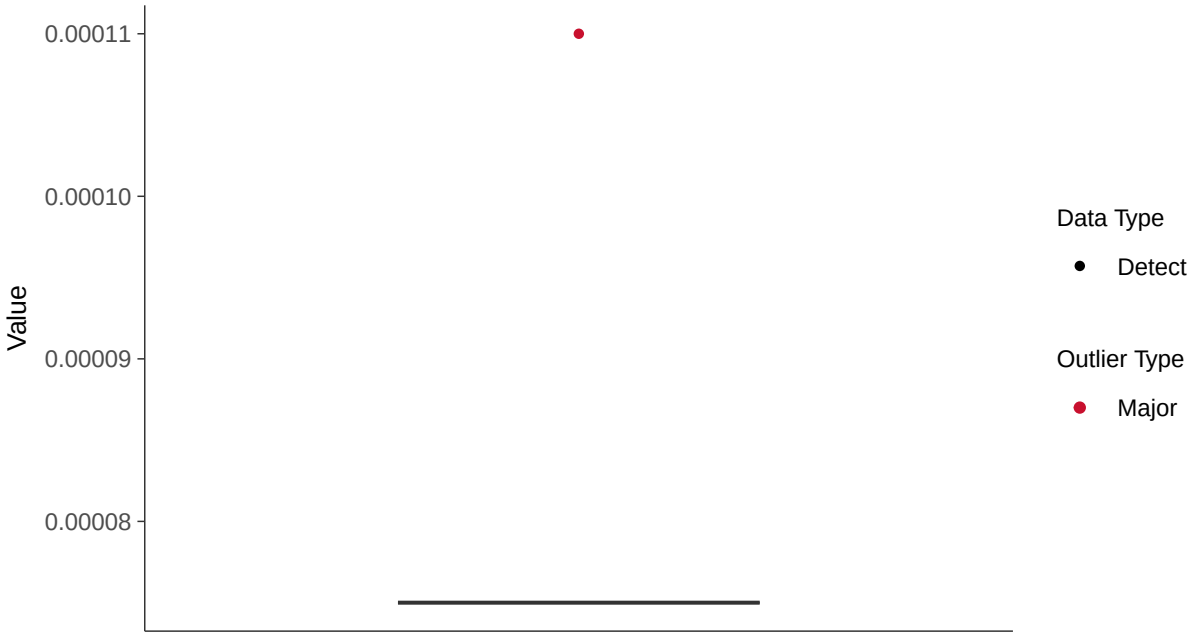
ID: 30_1_4_125





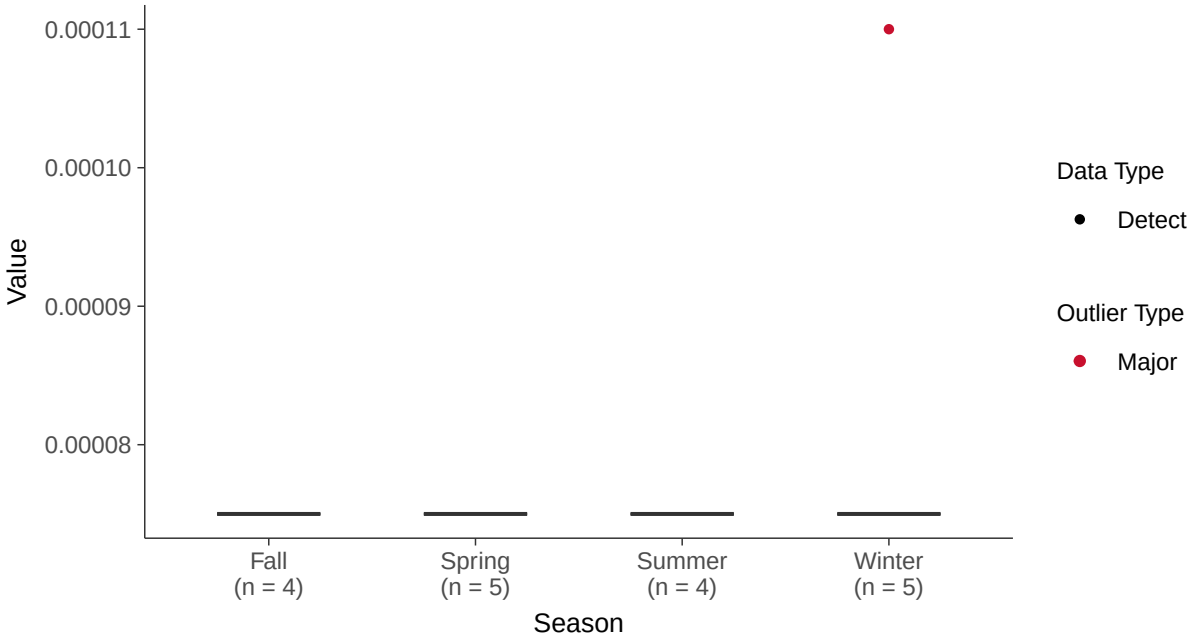
Boxplot

Thallium, MW-20 (mg/L)



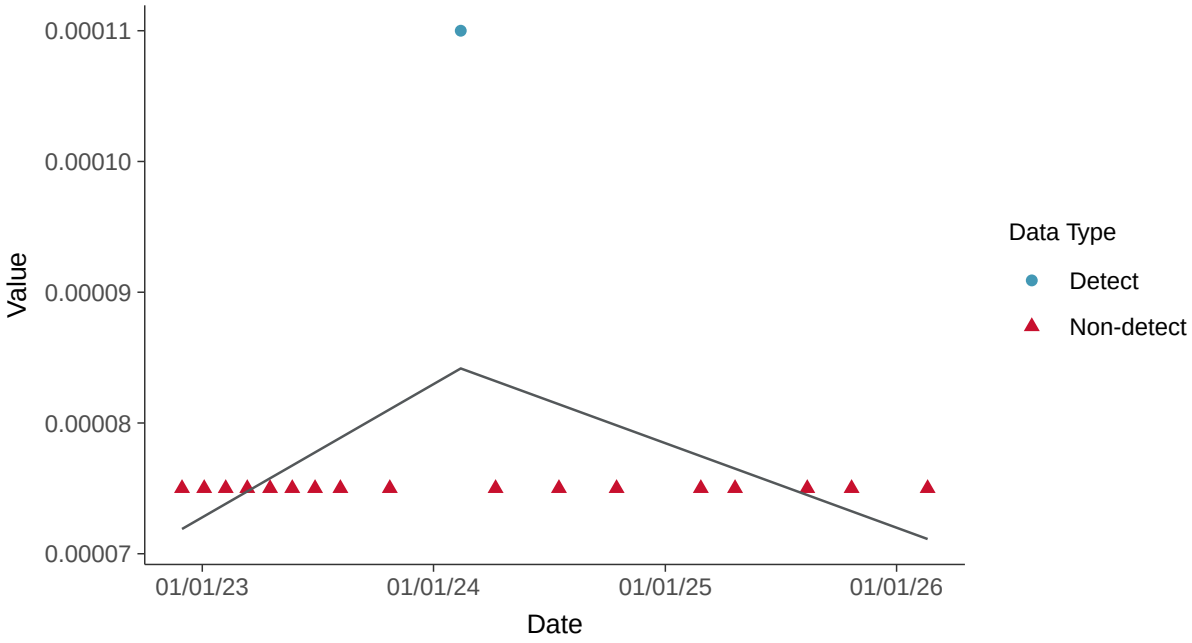
Boxplot by Season

Thallium, MW-20 (mg/L)



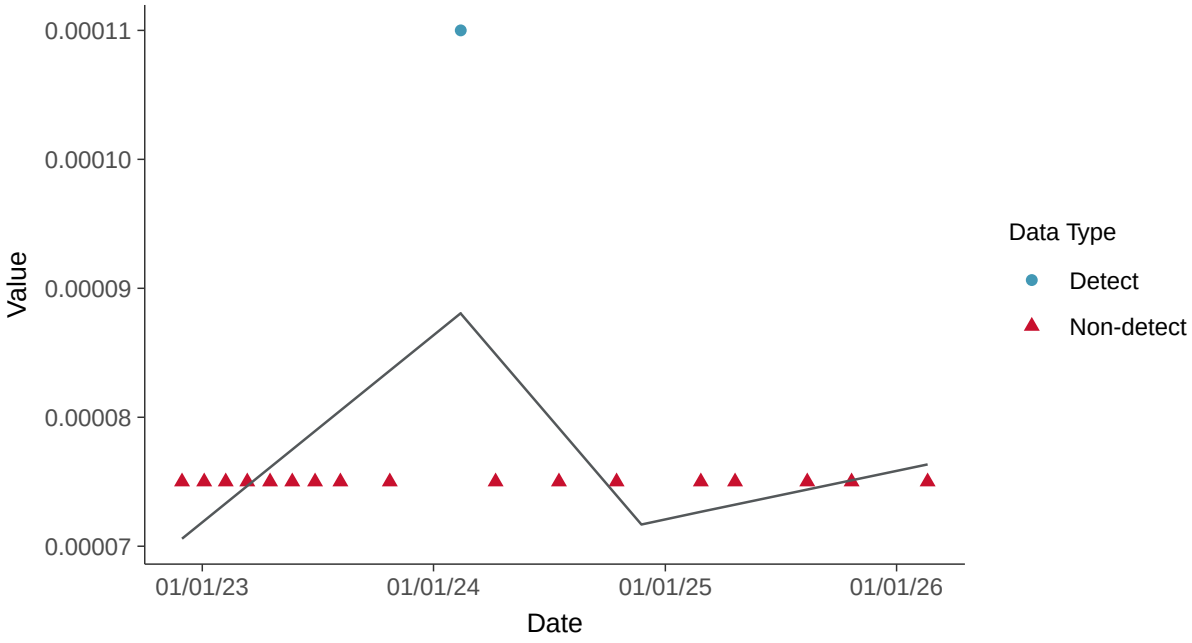
Trend Regression: Piecewise Linear-Linear

Thallium, MW-20 (mg/L)



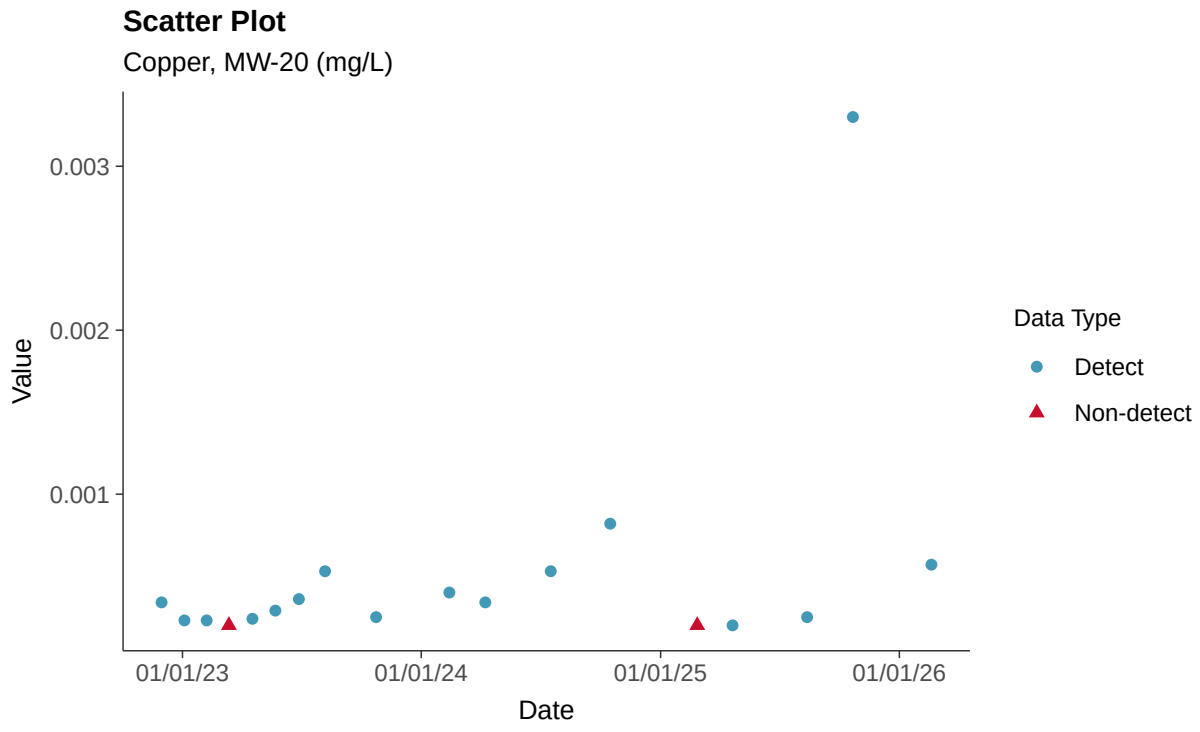
Trend Regression: Piecewise Linear-Linear-Linear

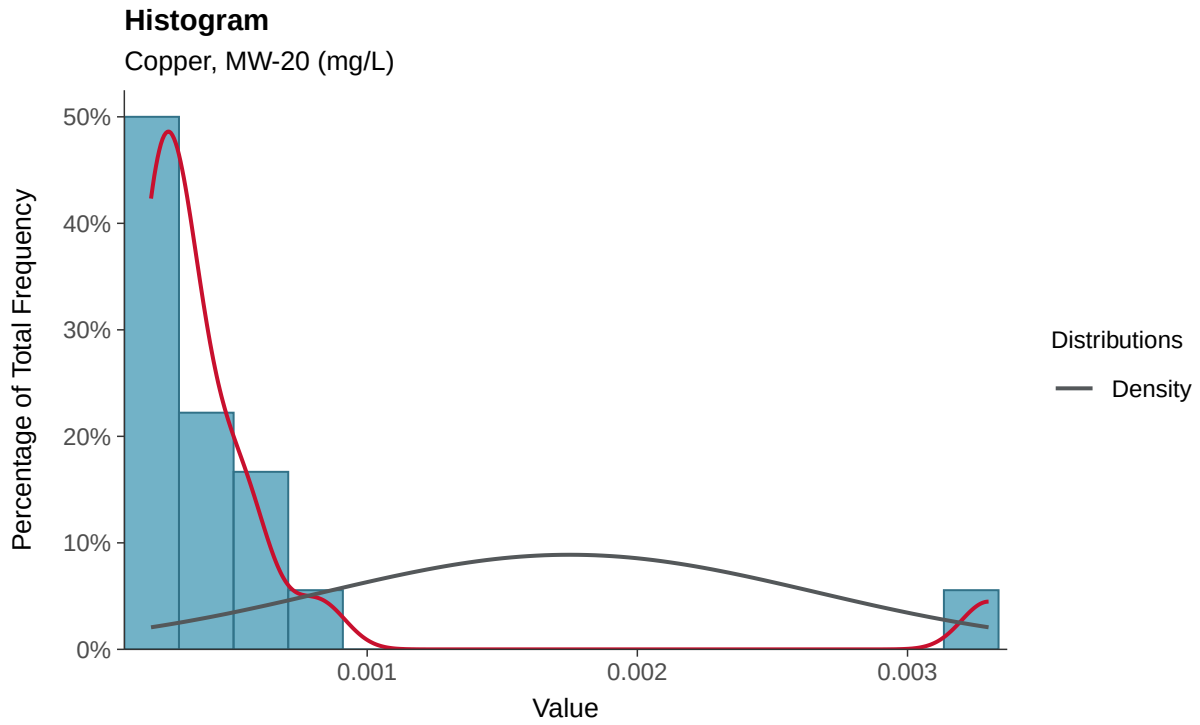
Thallium, MW-20 (mg/L)



Part 115: Copper, MW-20

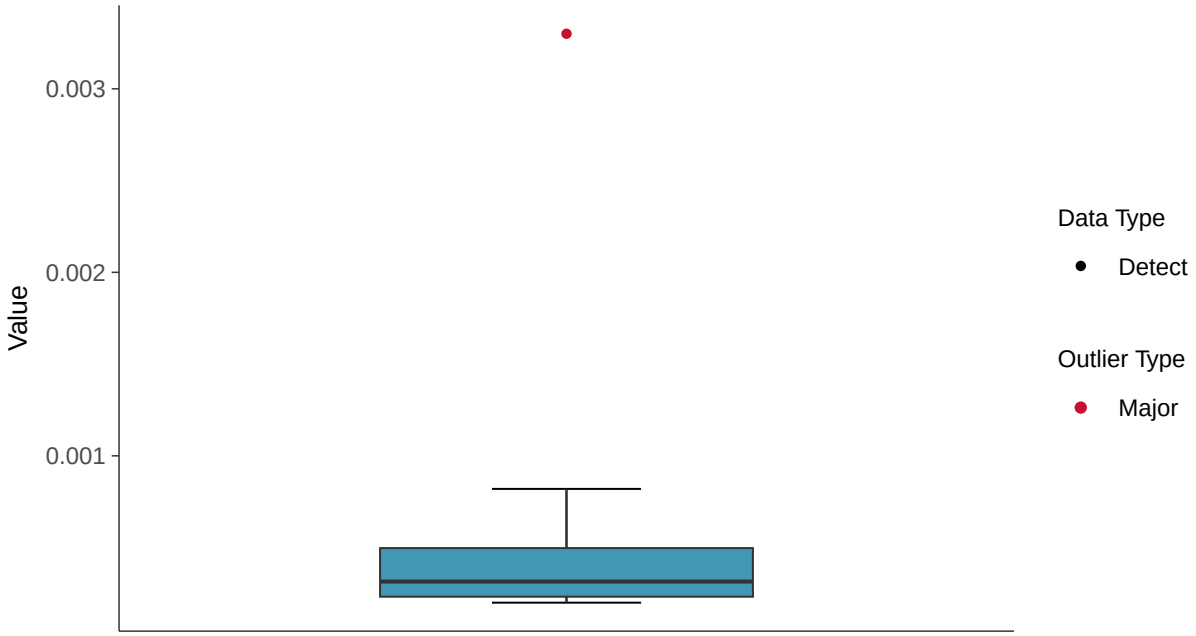
ID: 30_1_5_111





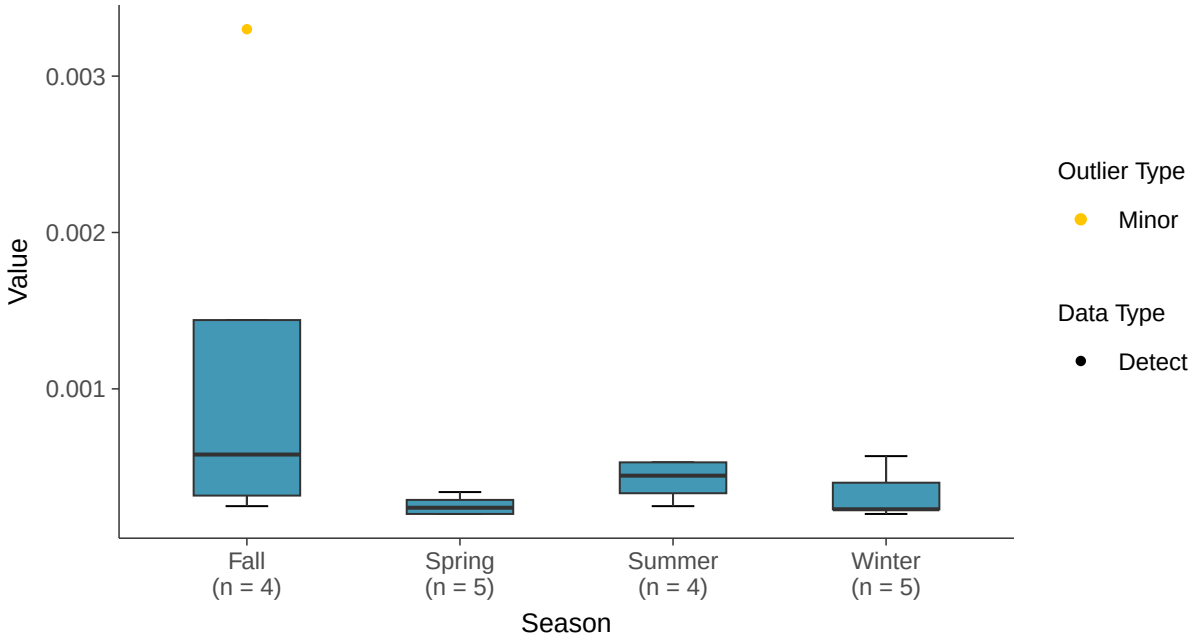
Boxplot

Copper, MW-20 (mg/L)



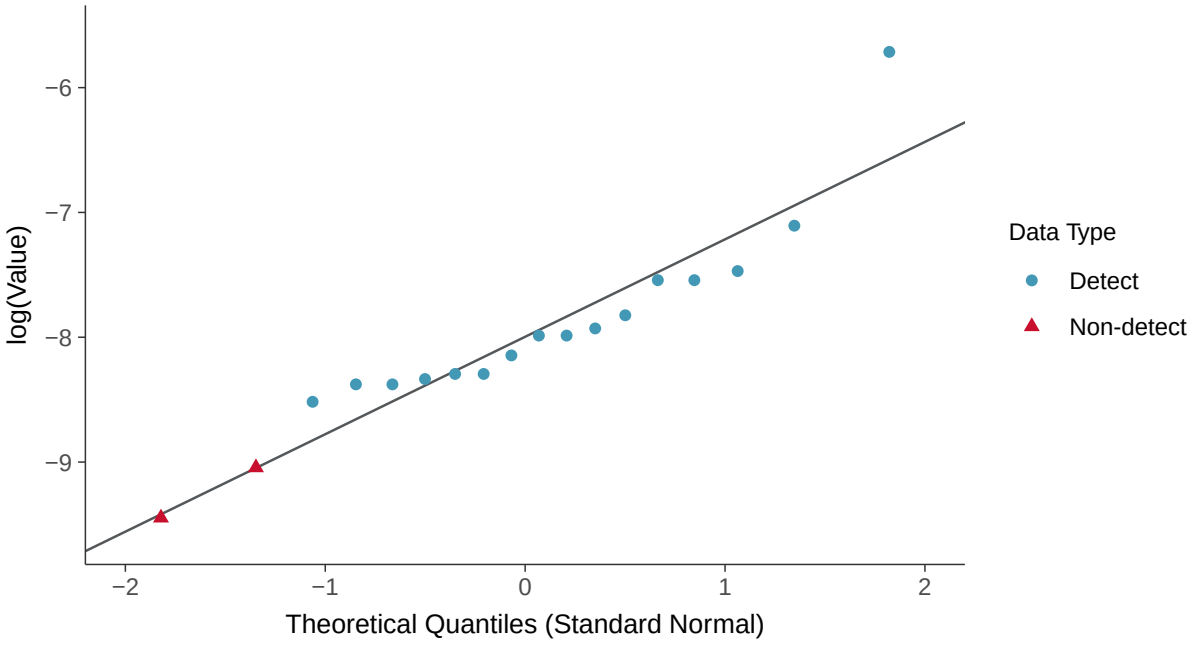
Boxplot by Season

Copper, MW-20 (mg/L)



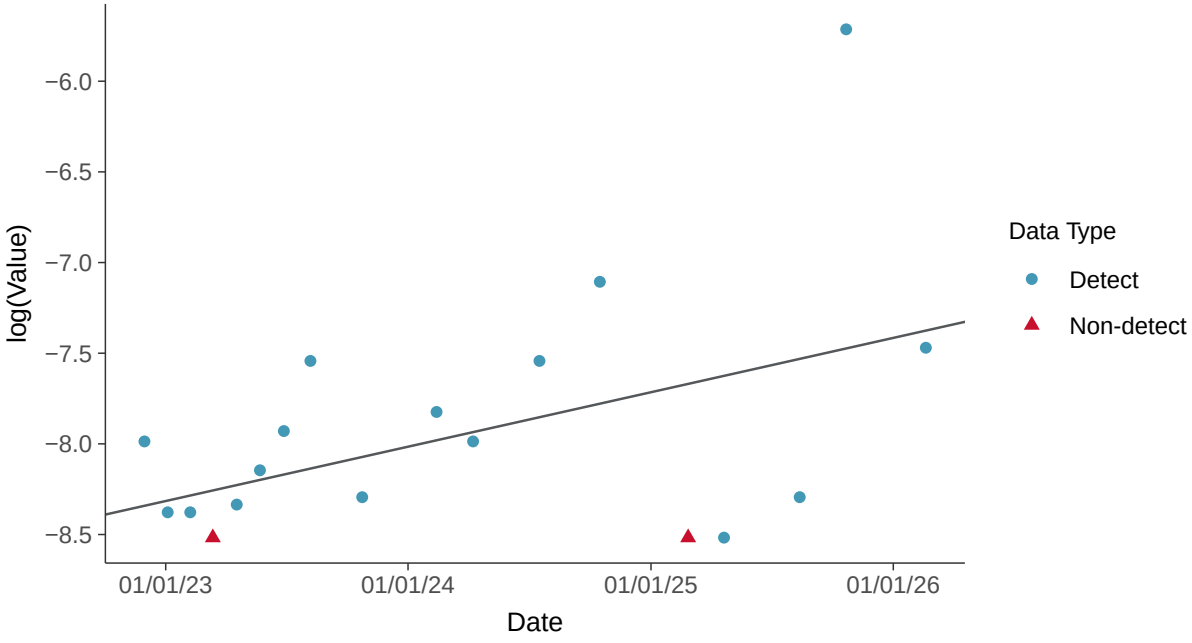
Lognormal Q-Q plot using ROS Imputed Estimates

Copper, MW-20 (mg/L)



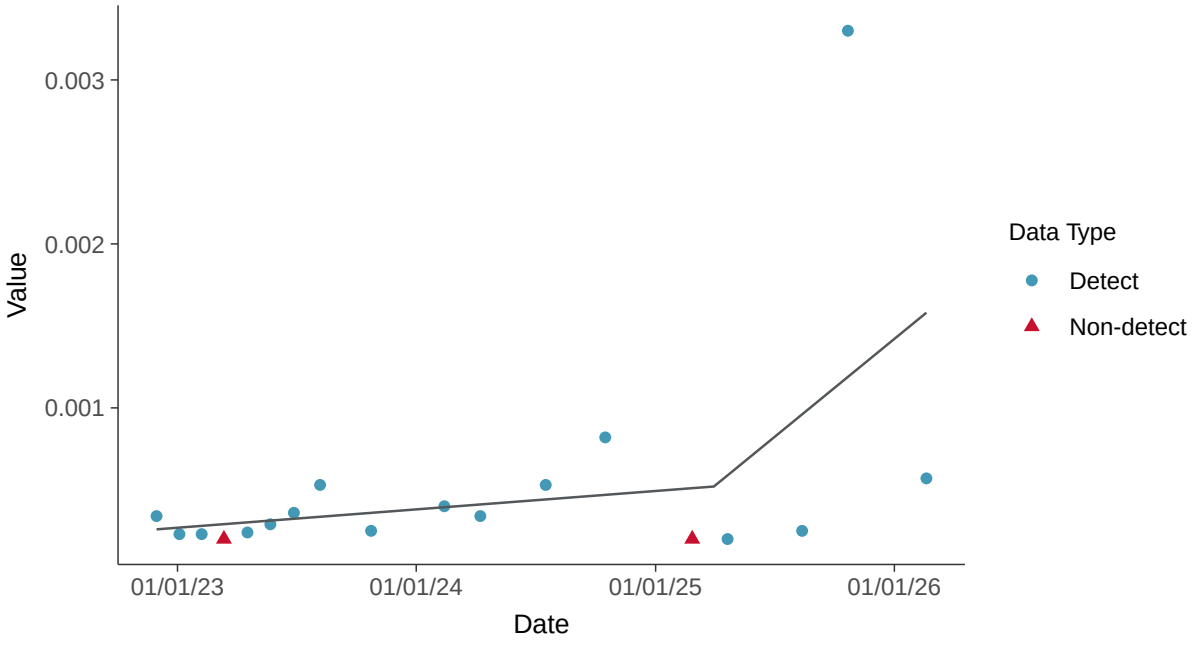
Trend Regression: Lognormal MLE

Copper, MW-20 (mg/L)



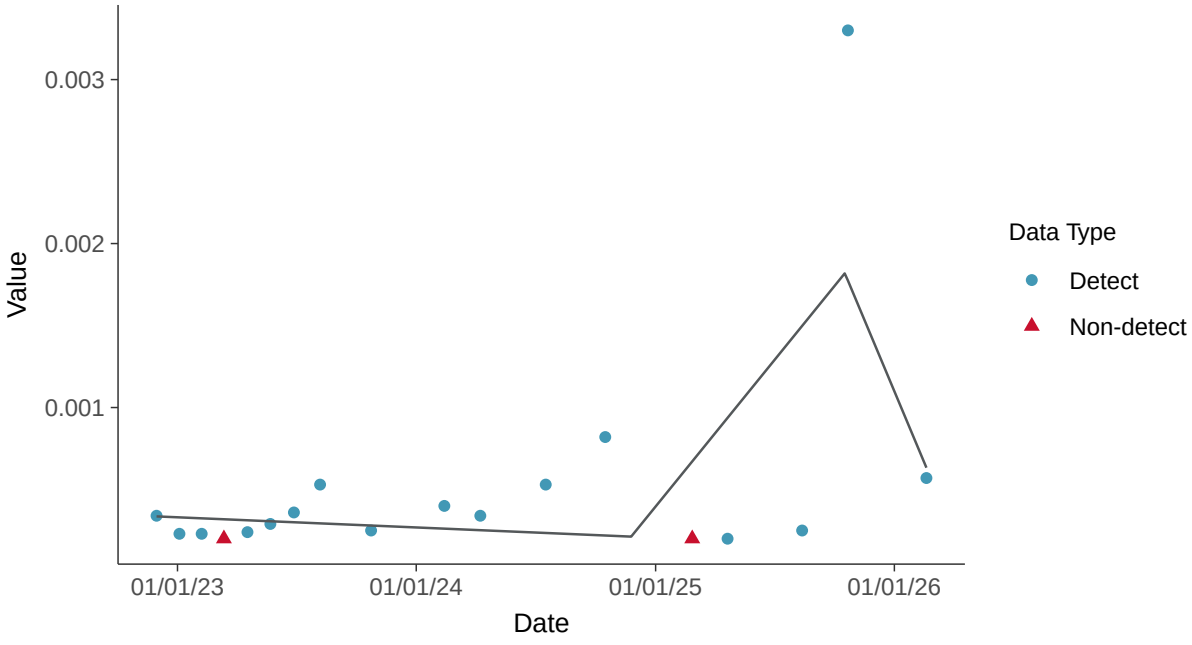
Trend Regression: Piecewise Linear-Linear

Copper, MW-20 (mg/L)



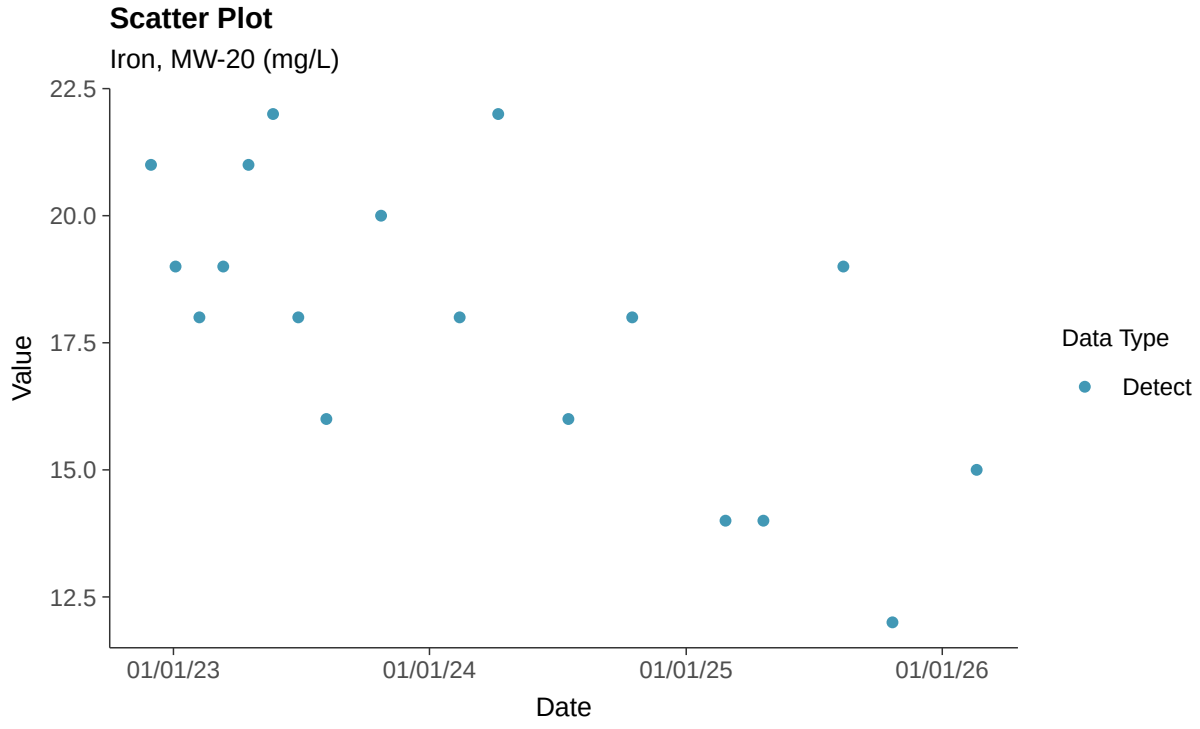
Trend Regression: Piecewise Linear-Linear-Linear

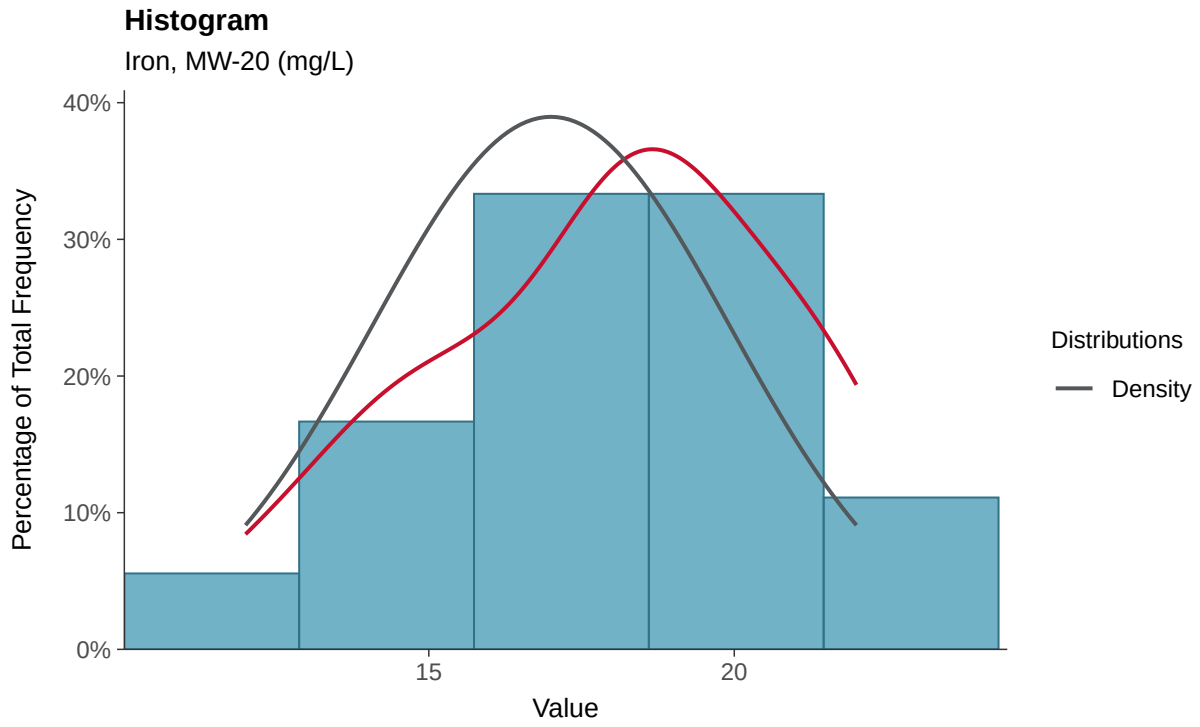
Copper, MW-20 (mg/L)



Part 115: Iron, MW-20

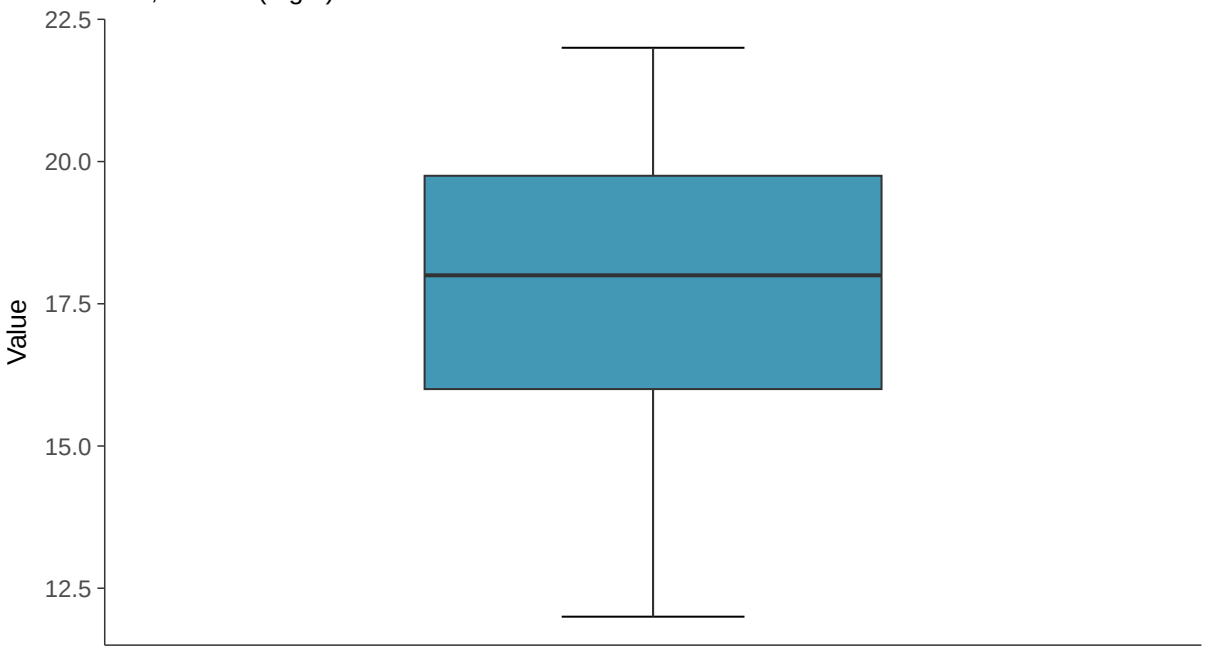
ID: 30_1_5_114





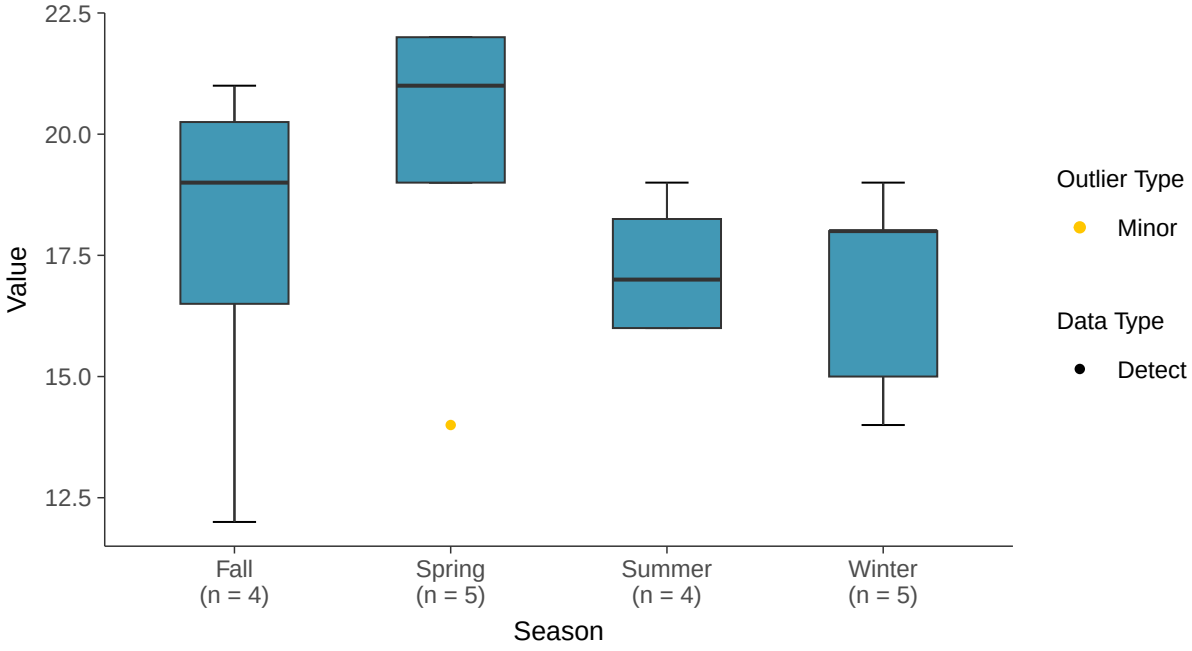
Boxplot

Iron, MW-20 (mg/L)



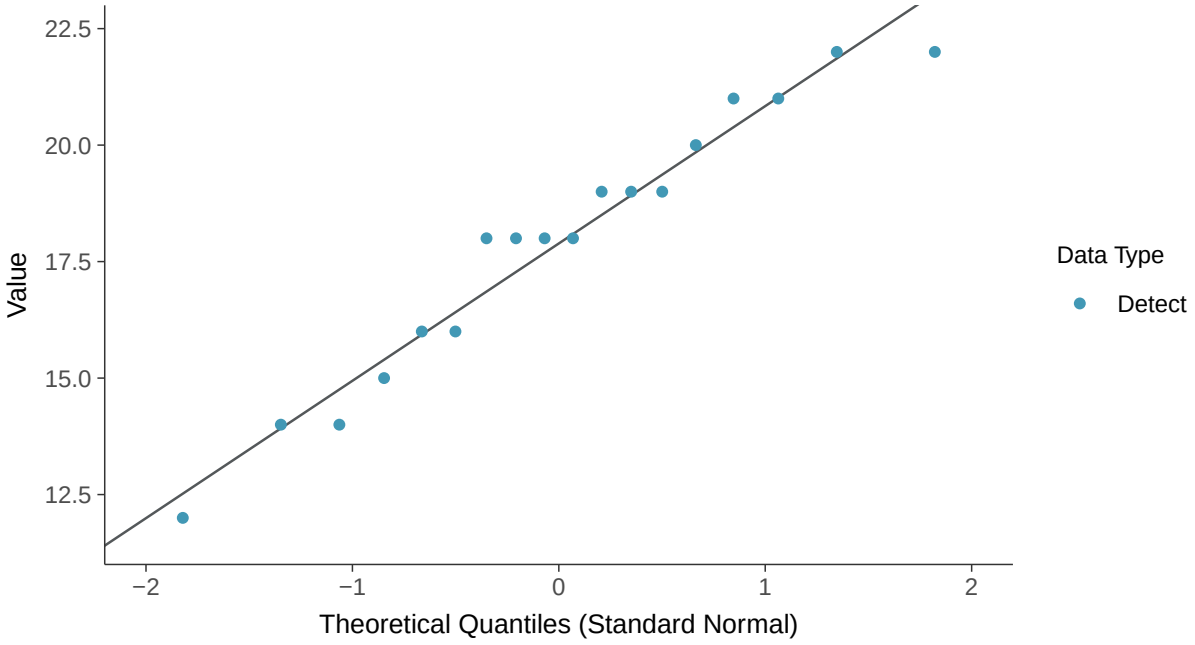
Boxplot by Season

Iron, MW-20 (mg/L)



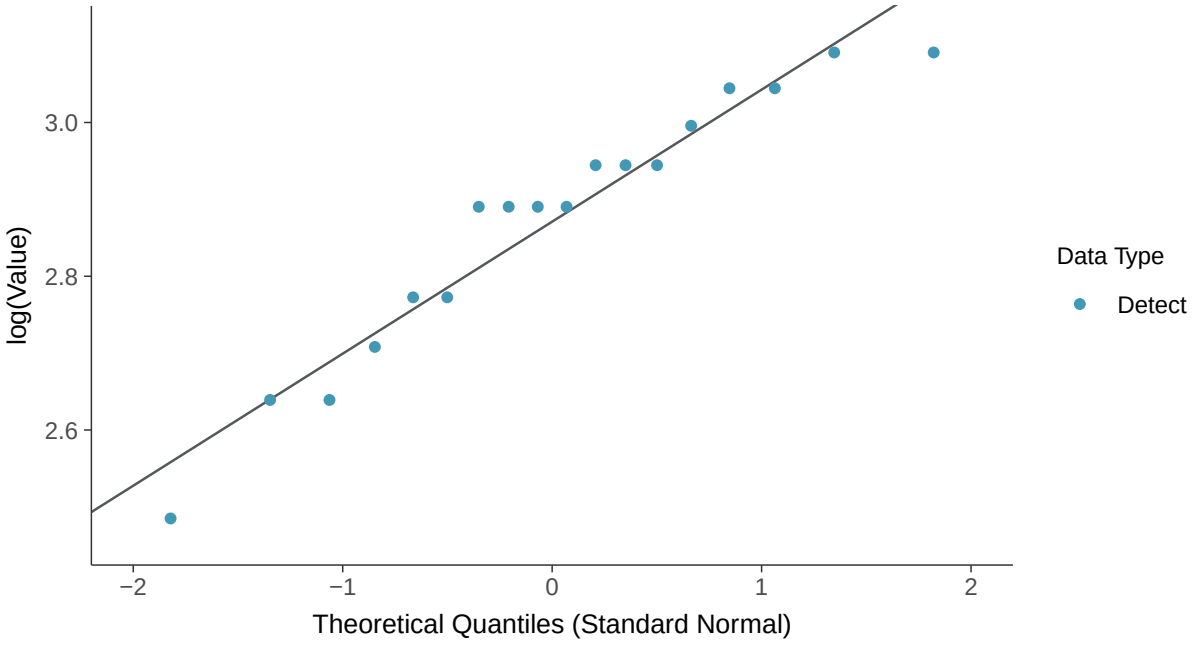
Normal Q-Q plot

Iron, MW-20 (mg/L)



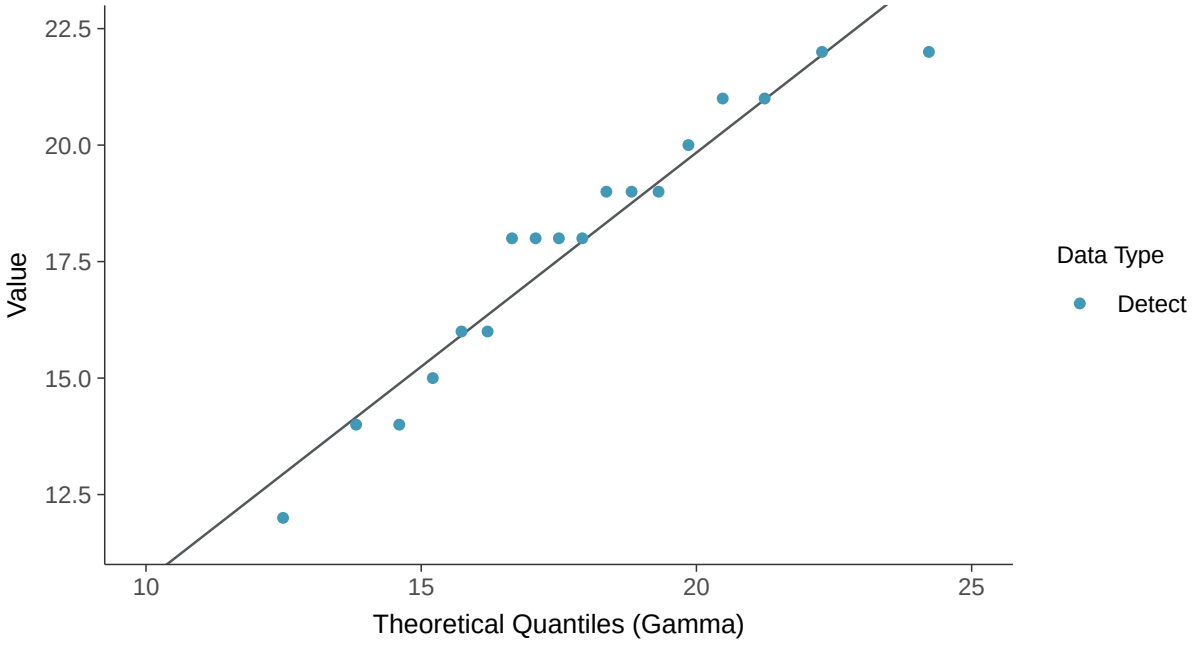
Lognormal Q-Q plot

Iron, MW-20 (mg/L)



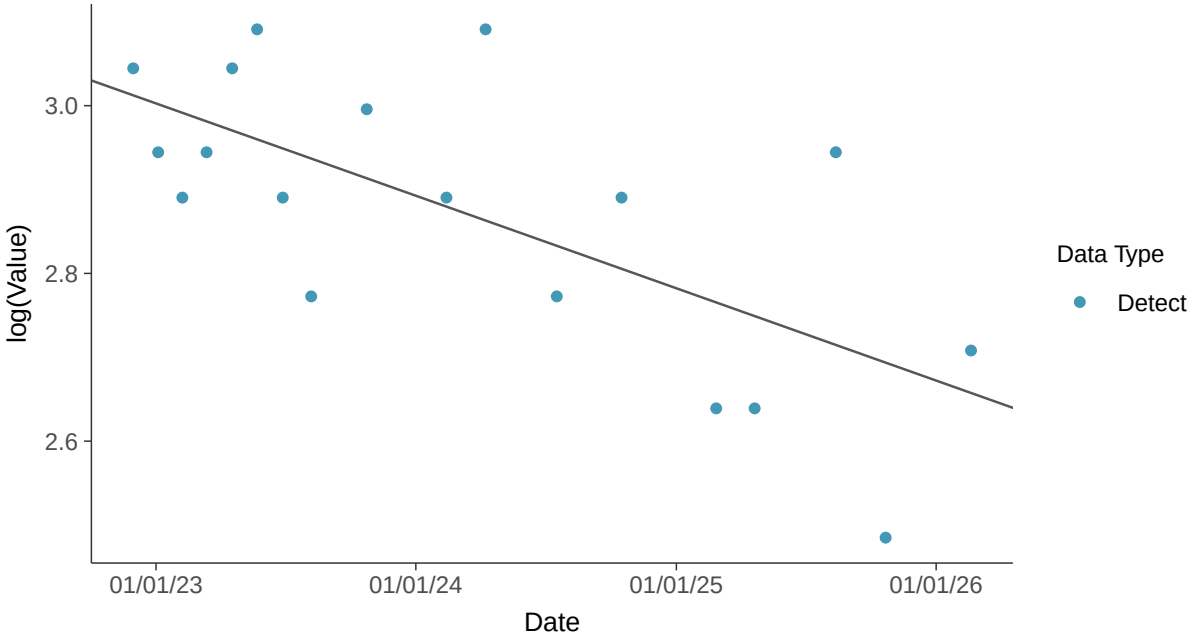
Gamma Q-Q plot

Iron, MW-20 (mg/L)



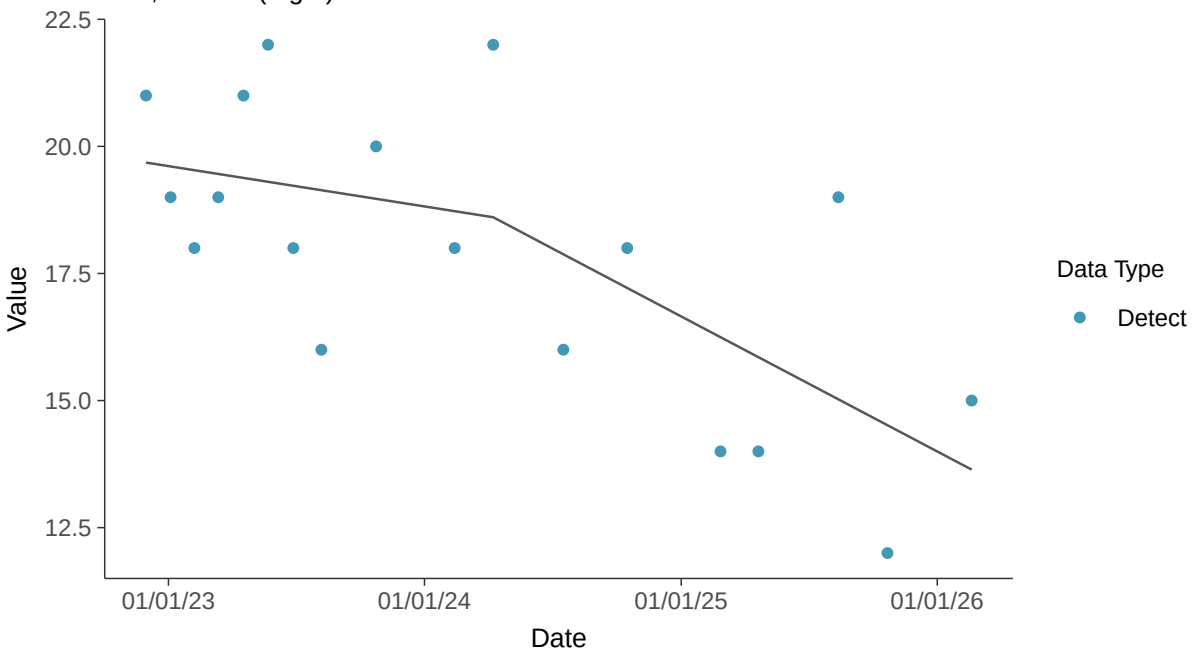
Trend Regression: Lognormal MLE

Iron, MW-20 (mg/L)



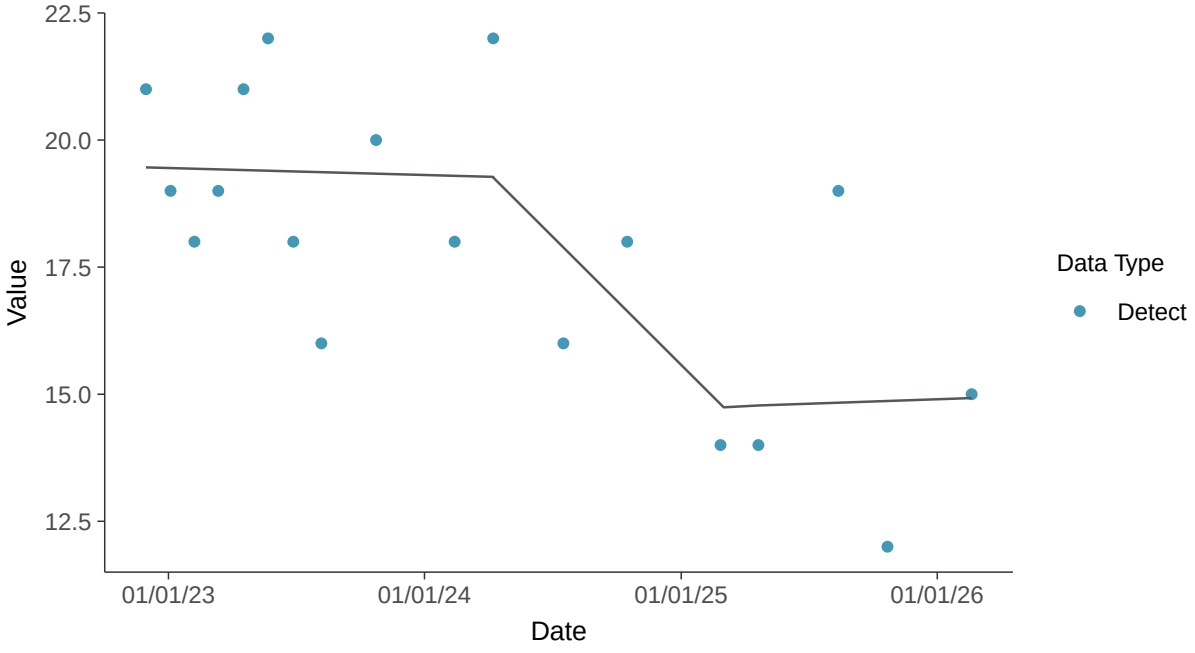
Trend Regression: Piecewise Linear-Linear

Iron, MW-20 (mg/L)



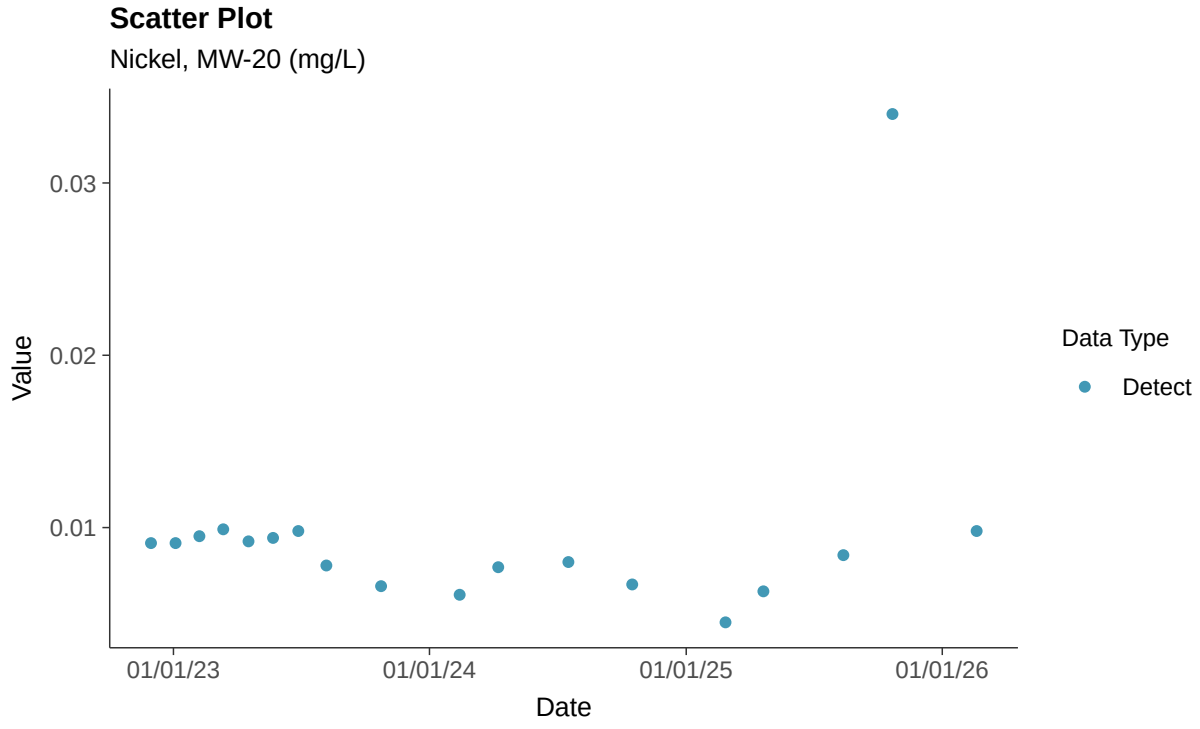
Trend Regression: Piecewise Linear-Linear-Linear

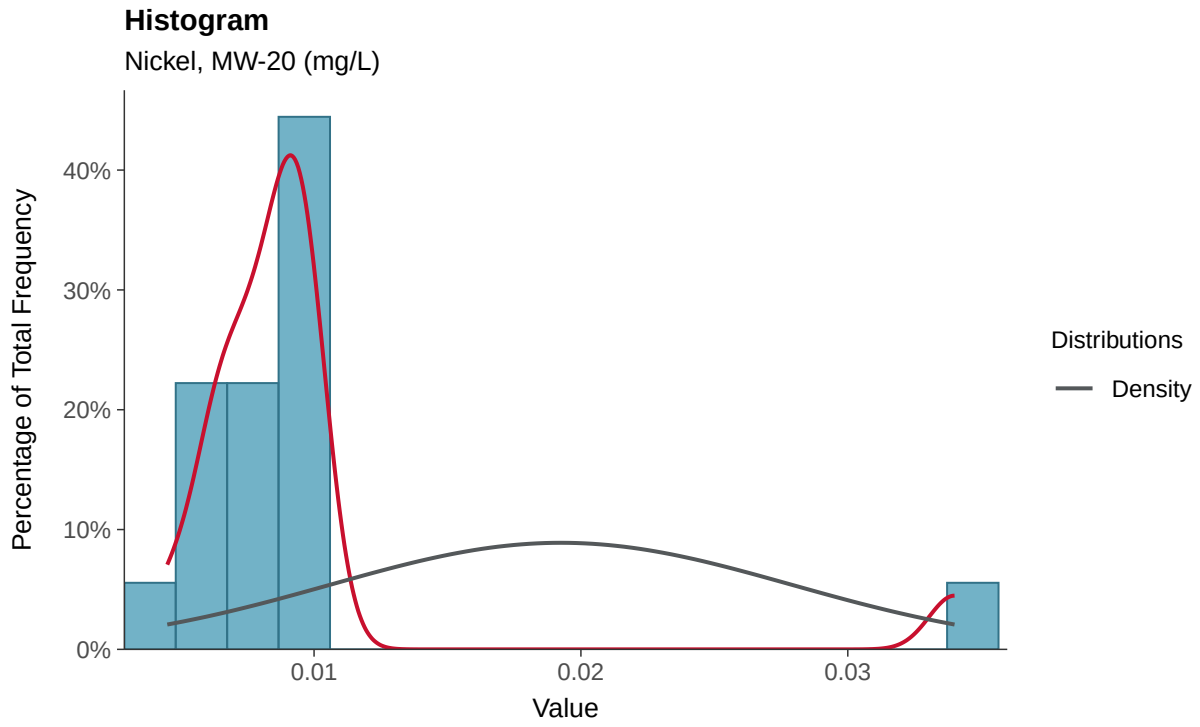
Iron, MW-20 (mg/L)



Part 115: Nickel, MW-20

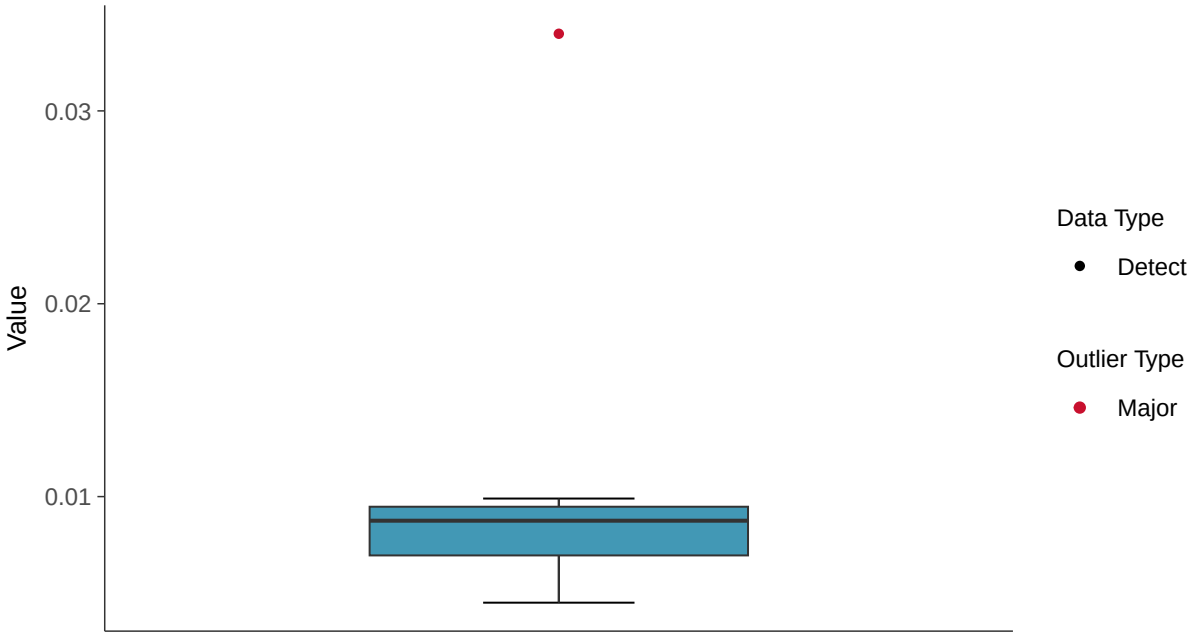
ID: 30_1_5_119





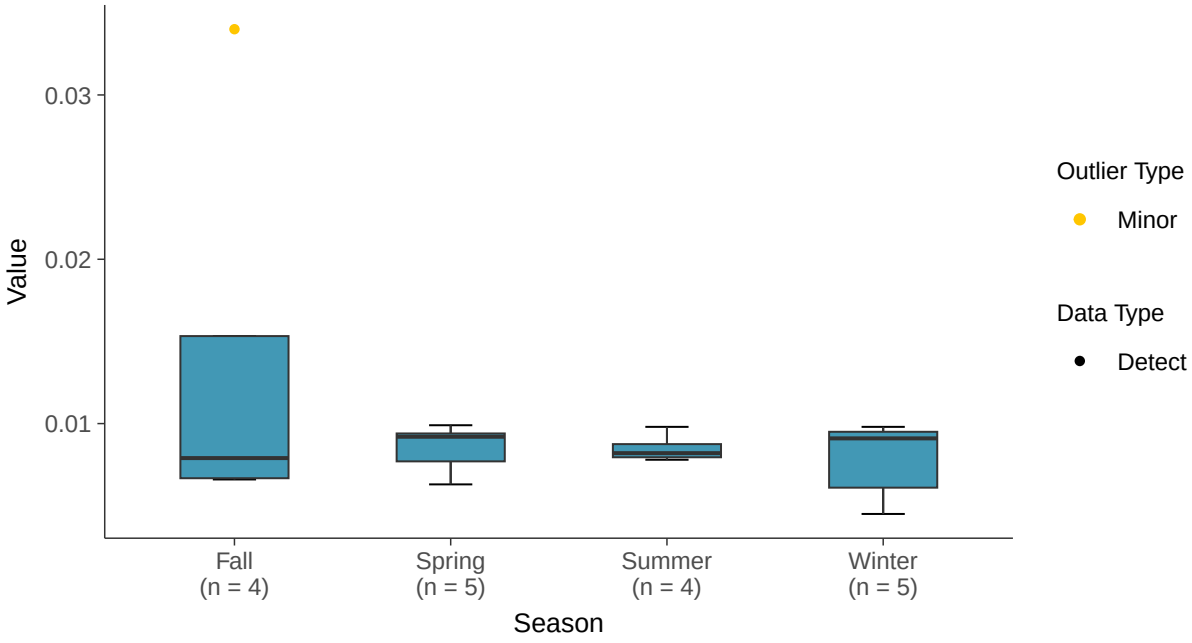
Boxplot

Nickel, MW-20 (mg/L)



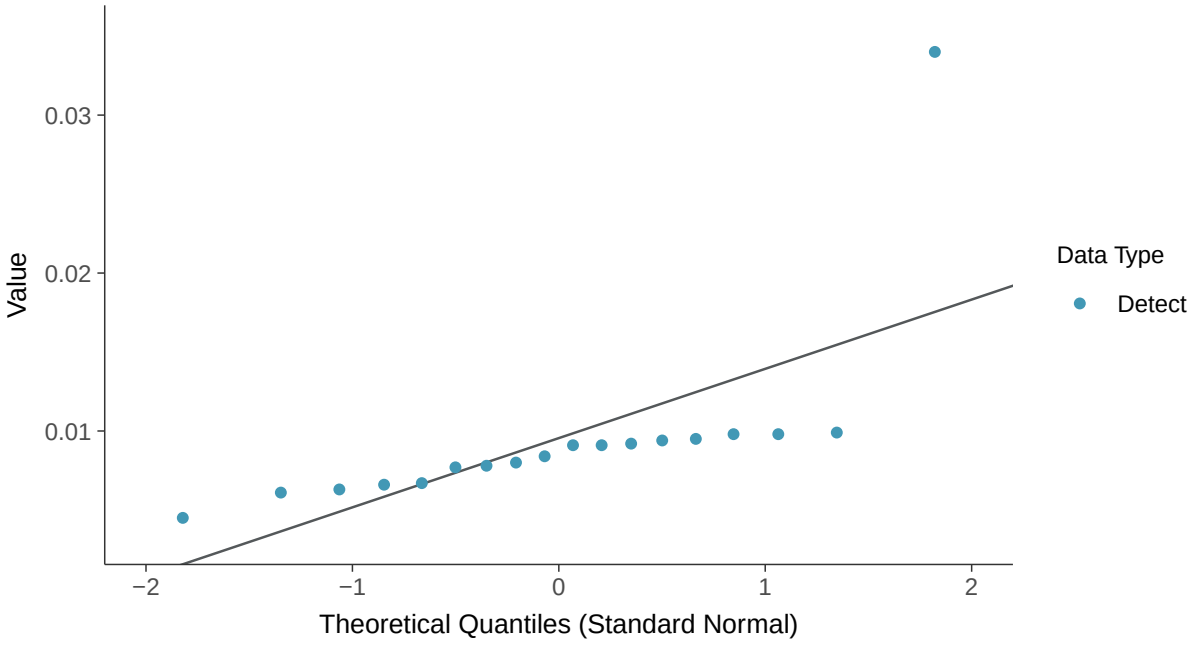
Boxplot by Season

Nickel, MW-20 (mg/L)



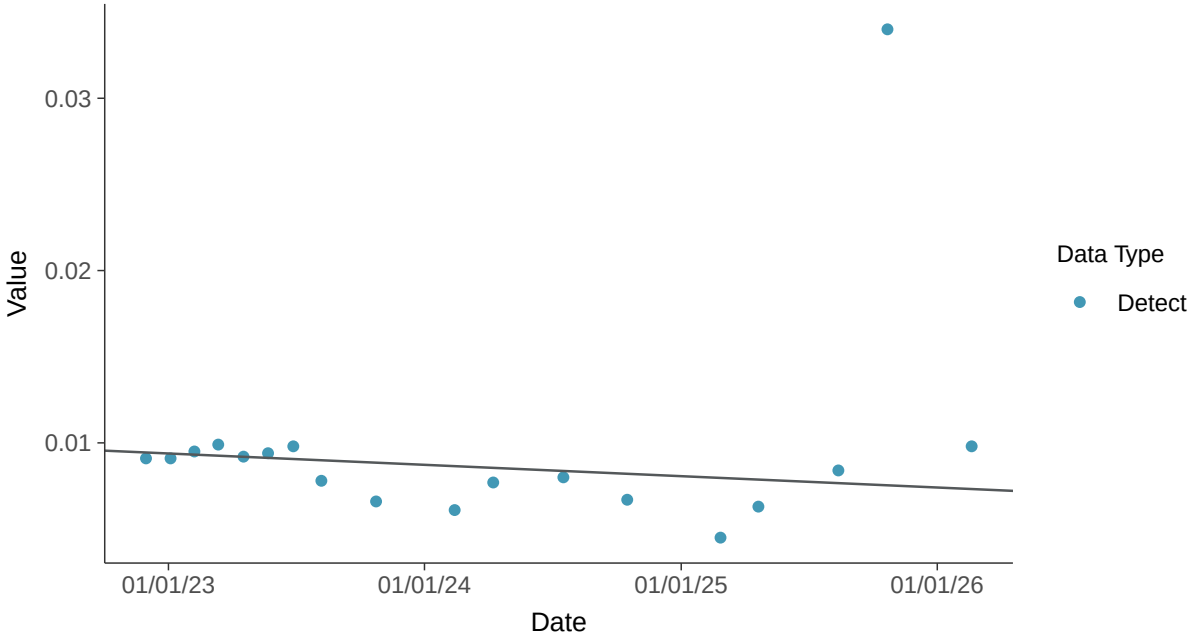
Normal Q-Q plot

Nickel, MW-20 (mg/L)



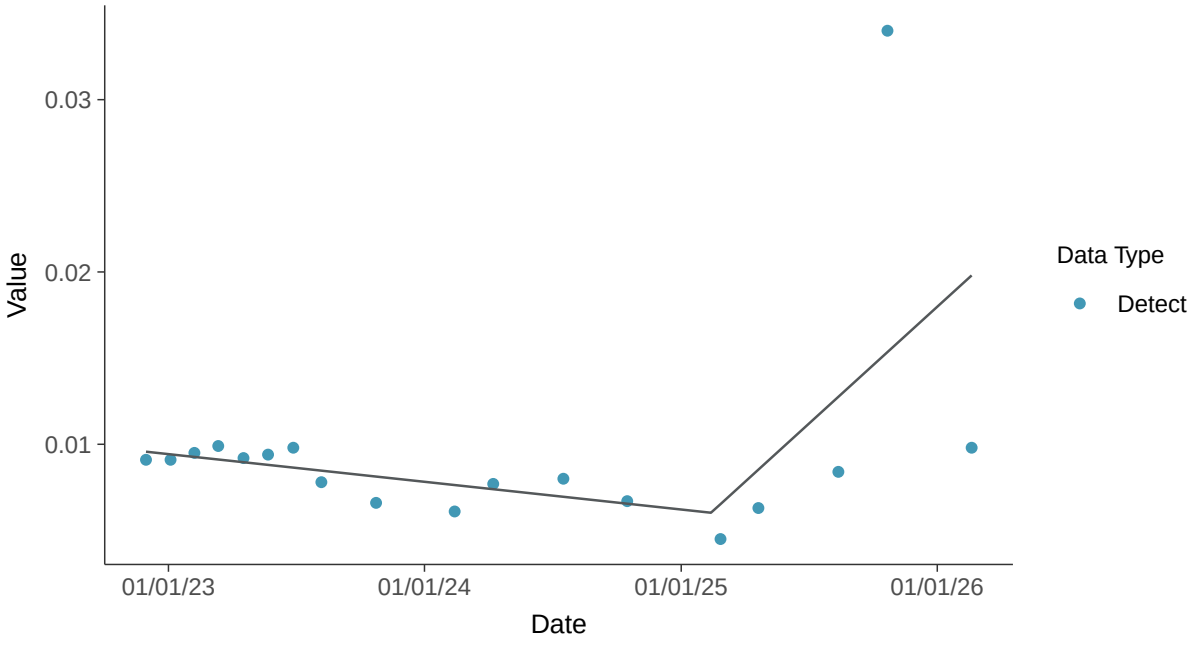
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Nickel, MW-20 (mg/L)



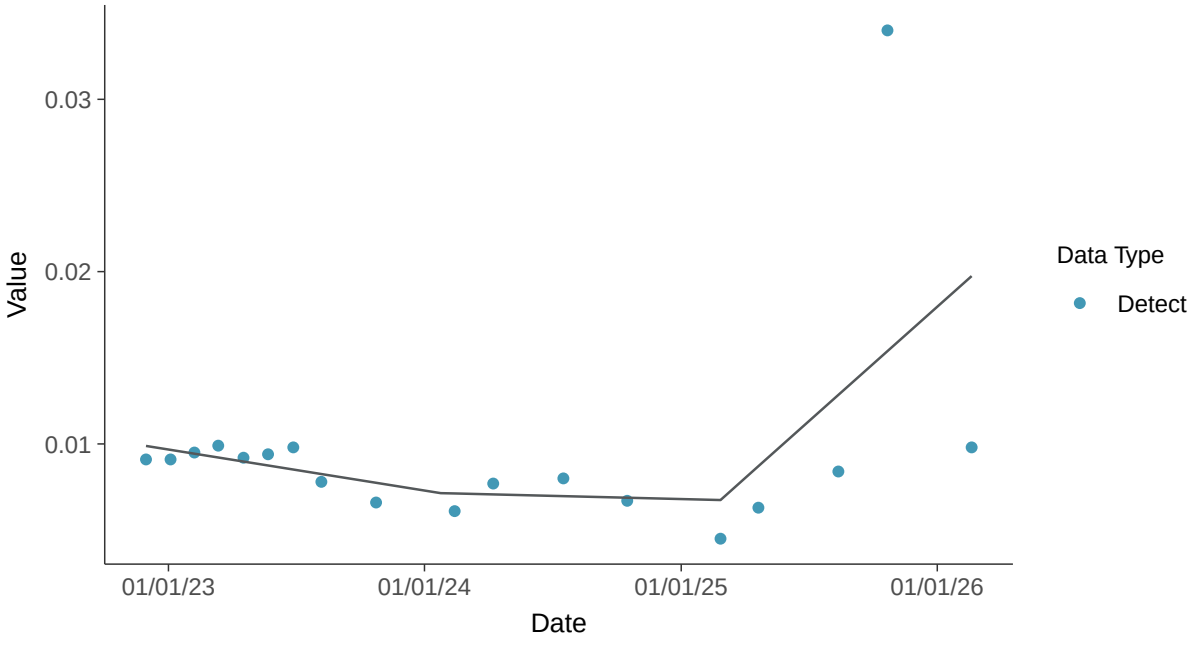
Trend Regression: Piecewise Linear-Linear

Nickel, MW-20 (mg/L)



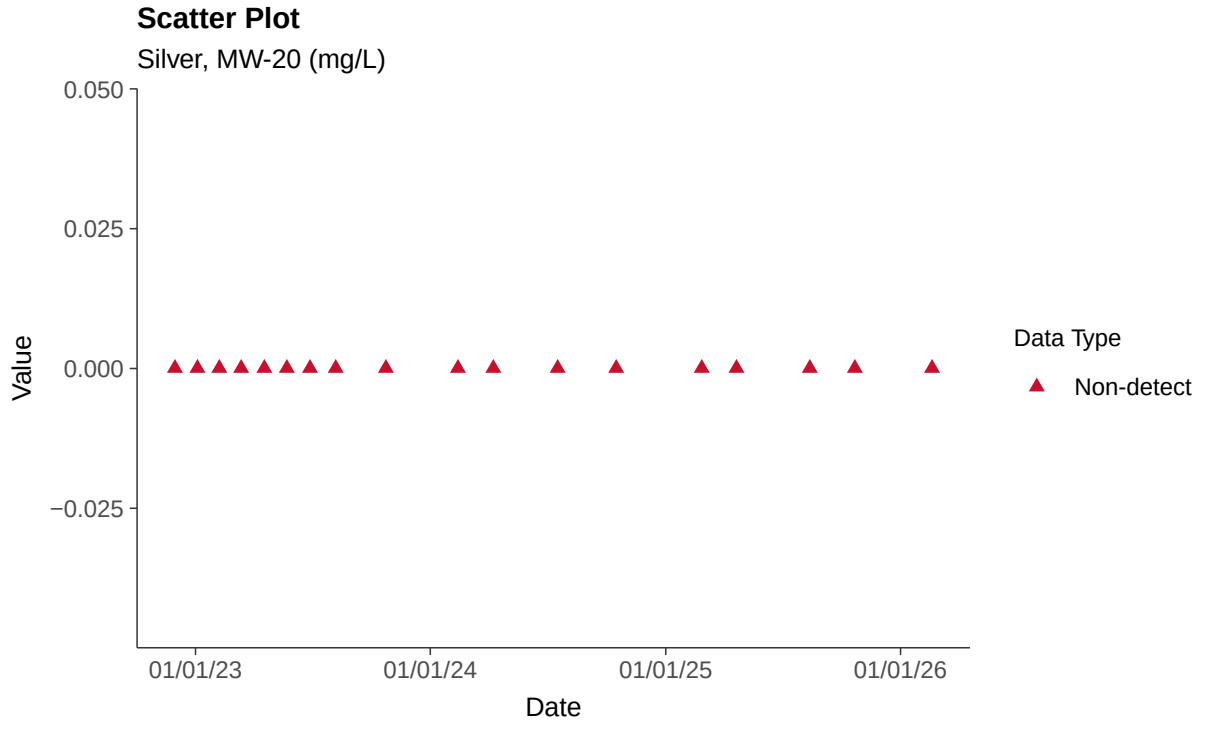
Trend Regression: Piecewise Linear-Linear-Linear

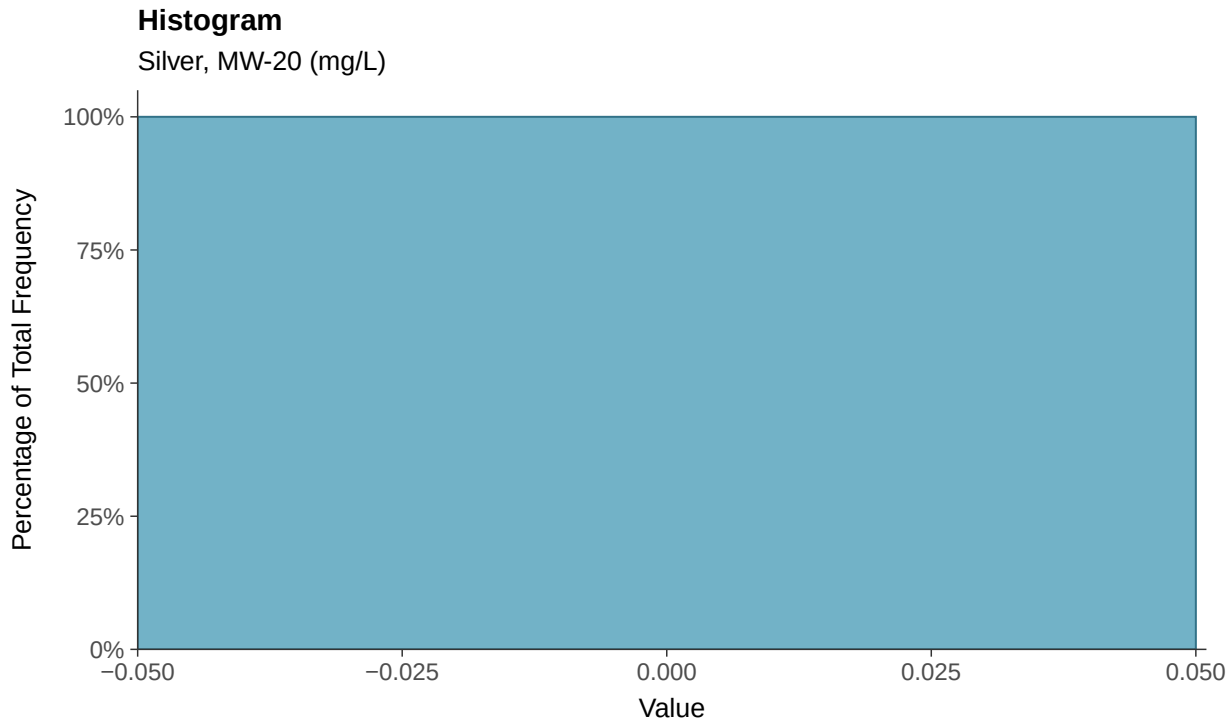
Nickel, MW-20 (mg/L)



Part 115: Silver, MW-20

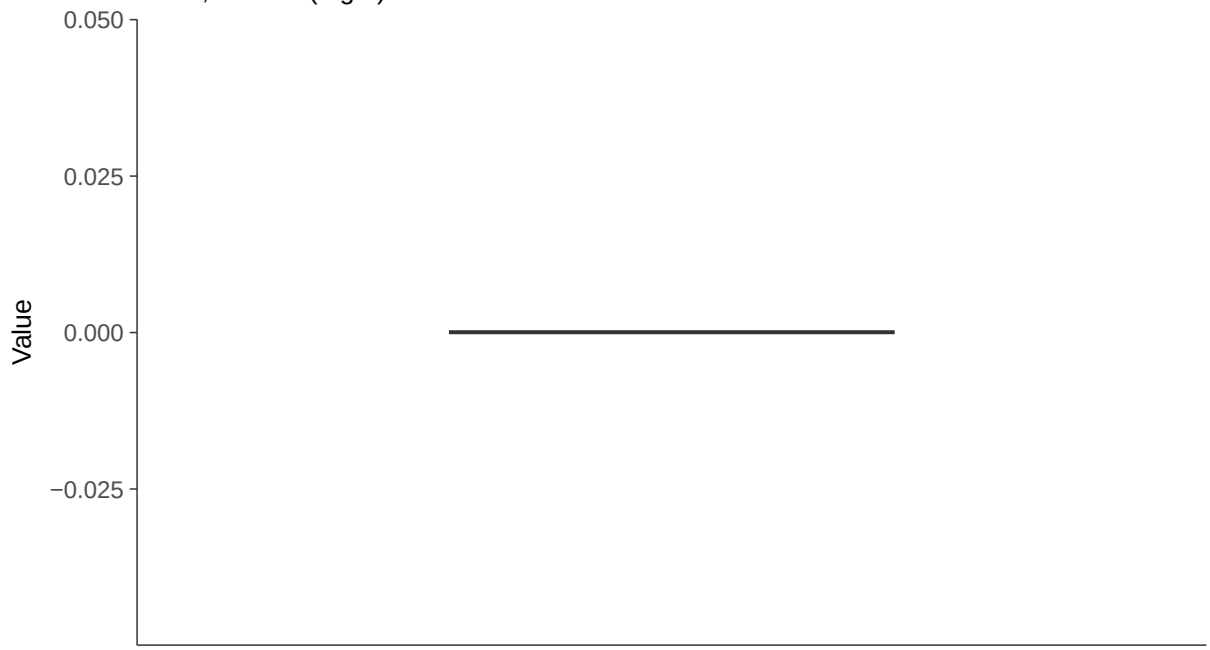
ID: 30_1_5_123





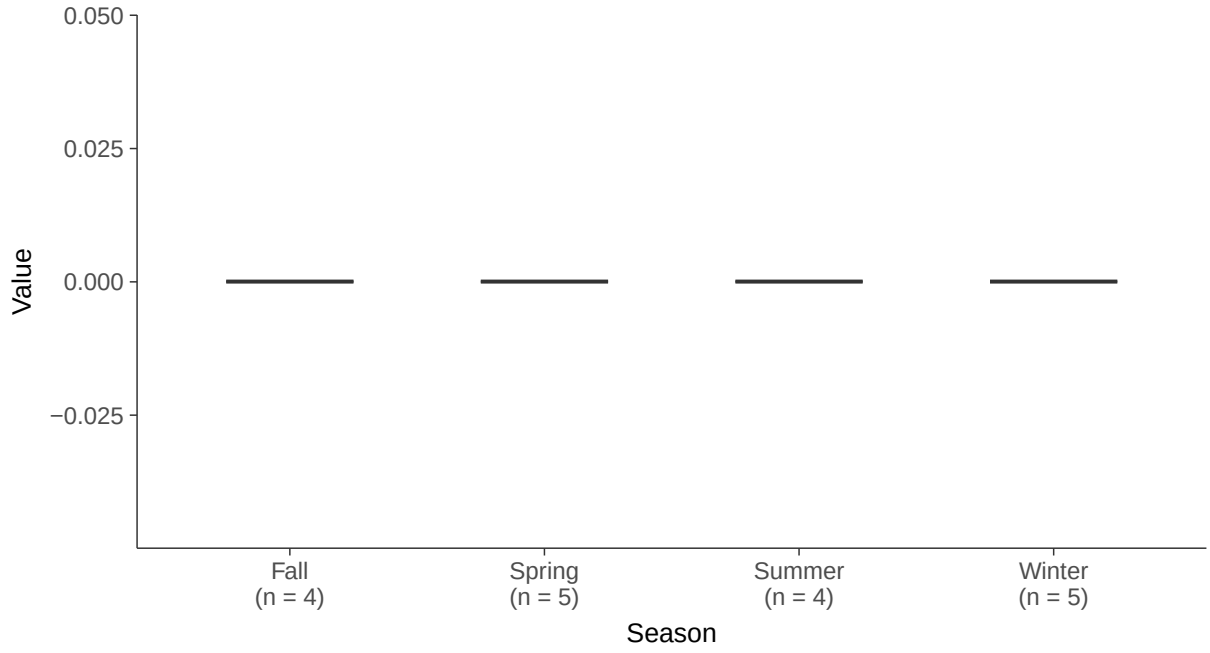
Boxplot

Silver, MW-20 (mg/L)



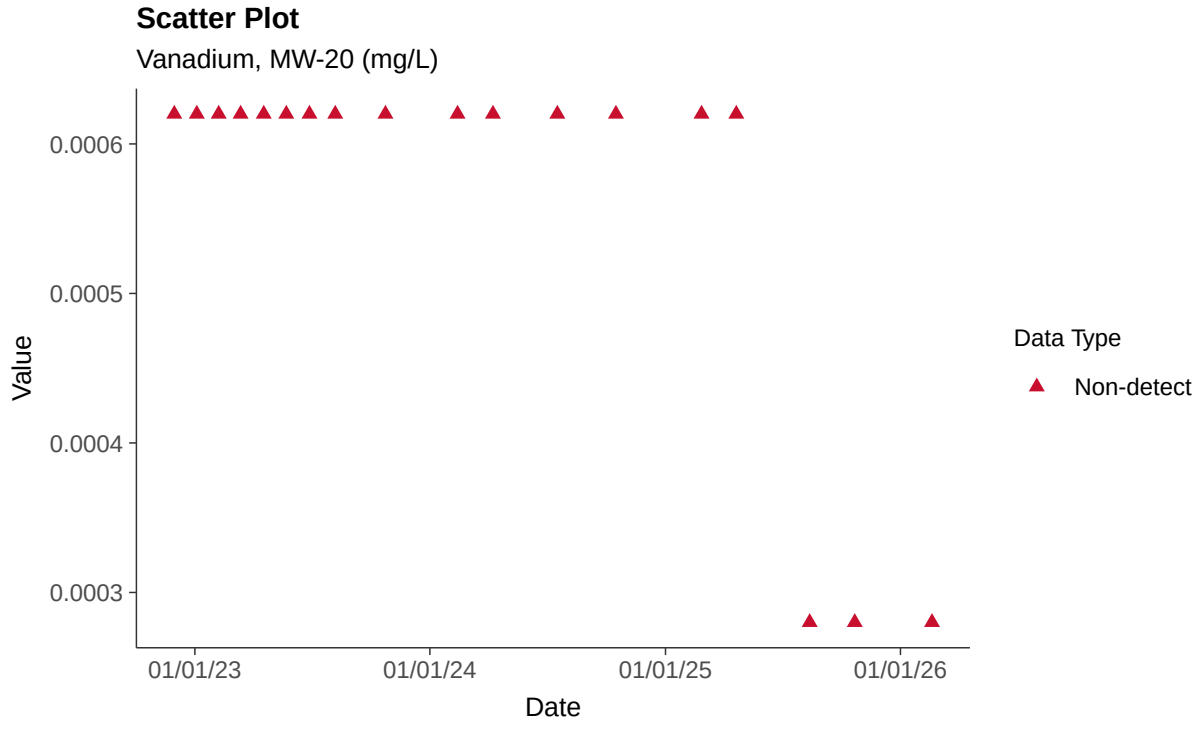
Boxplot by Season

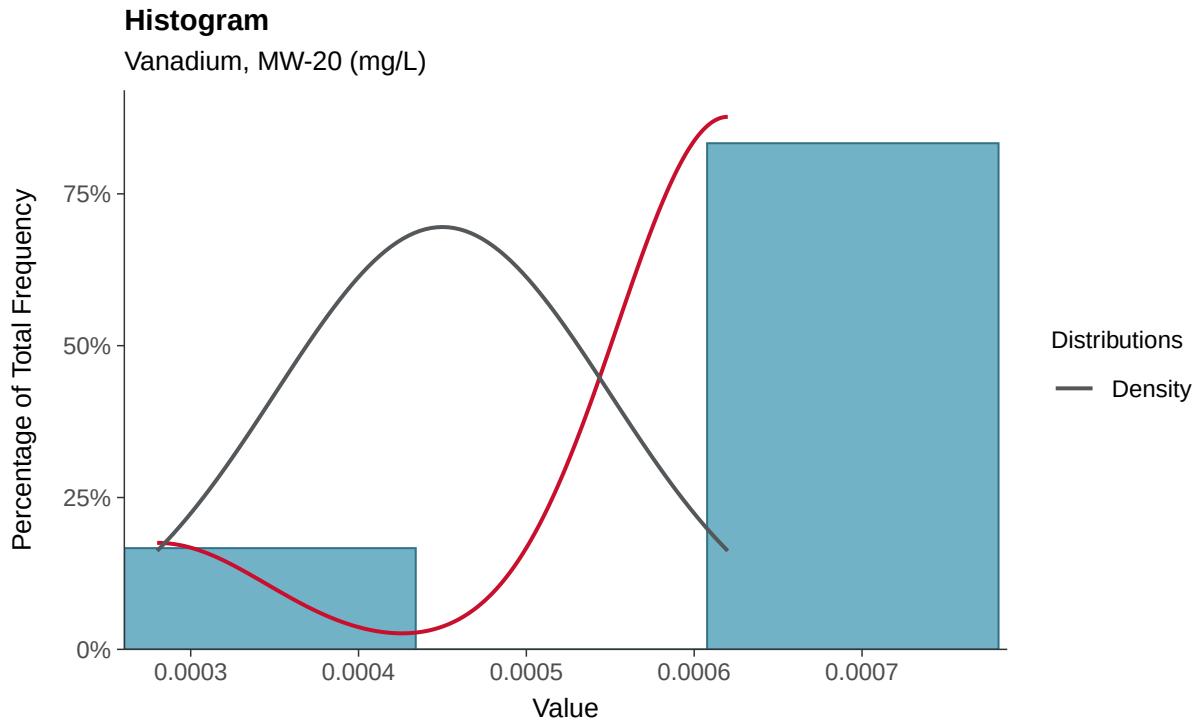
Silver, MW-20 (mg/L)



Part 115: Vanadium, MW-20

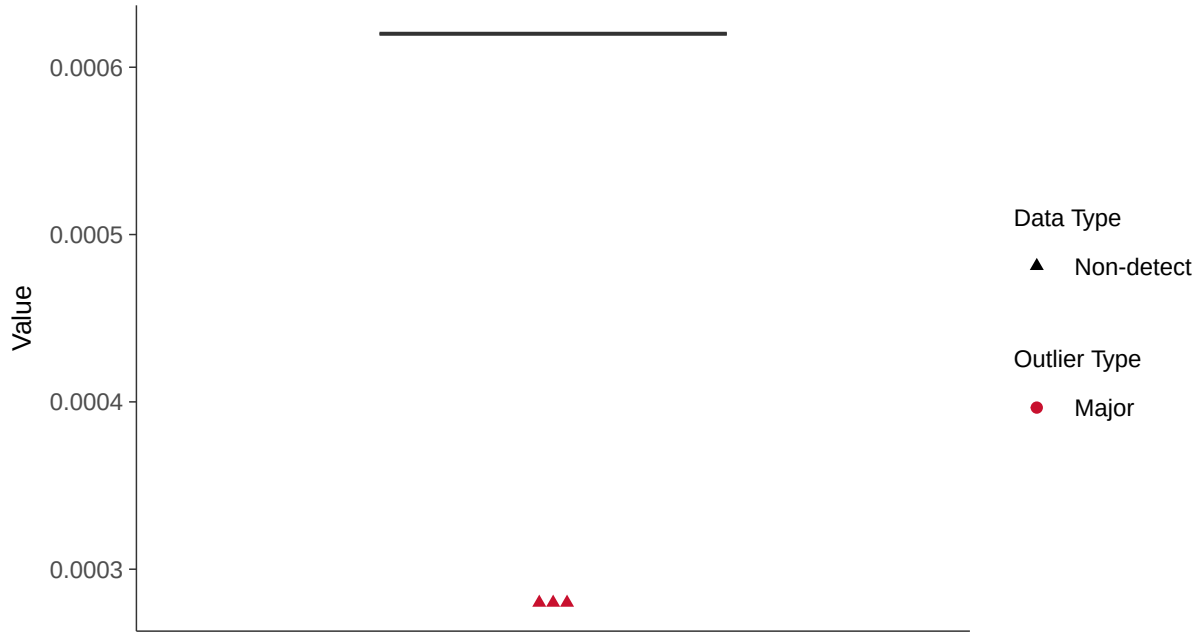
ID: 30_1_5_128





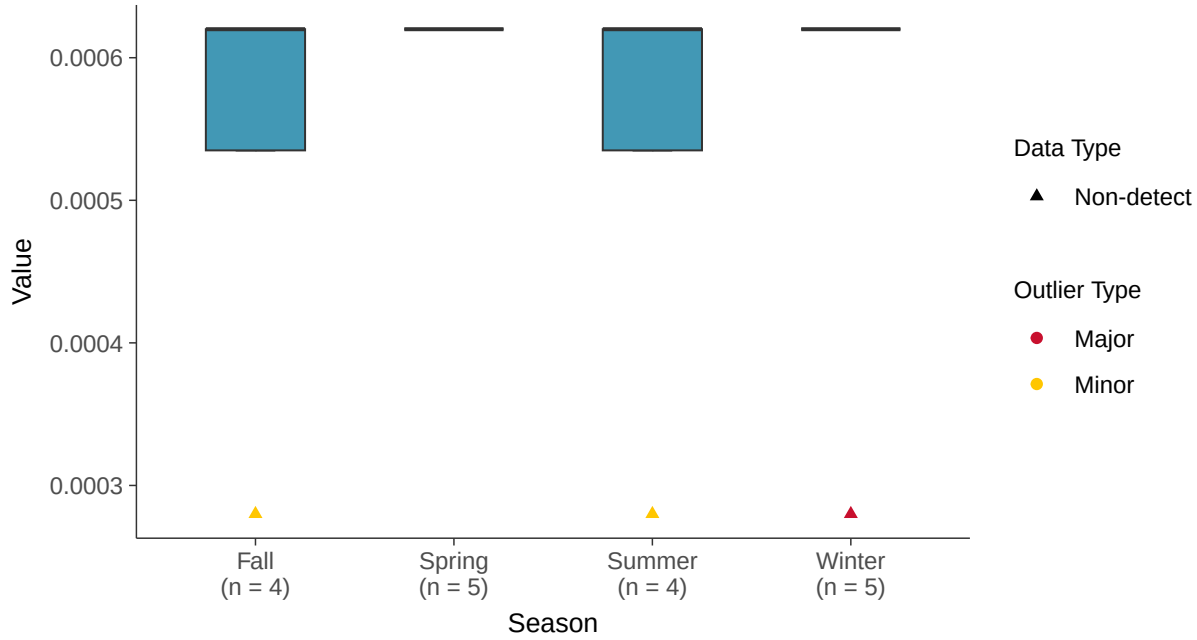
Boxplot

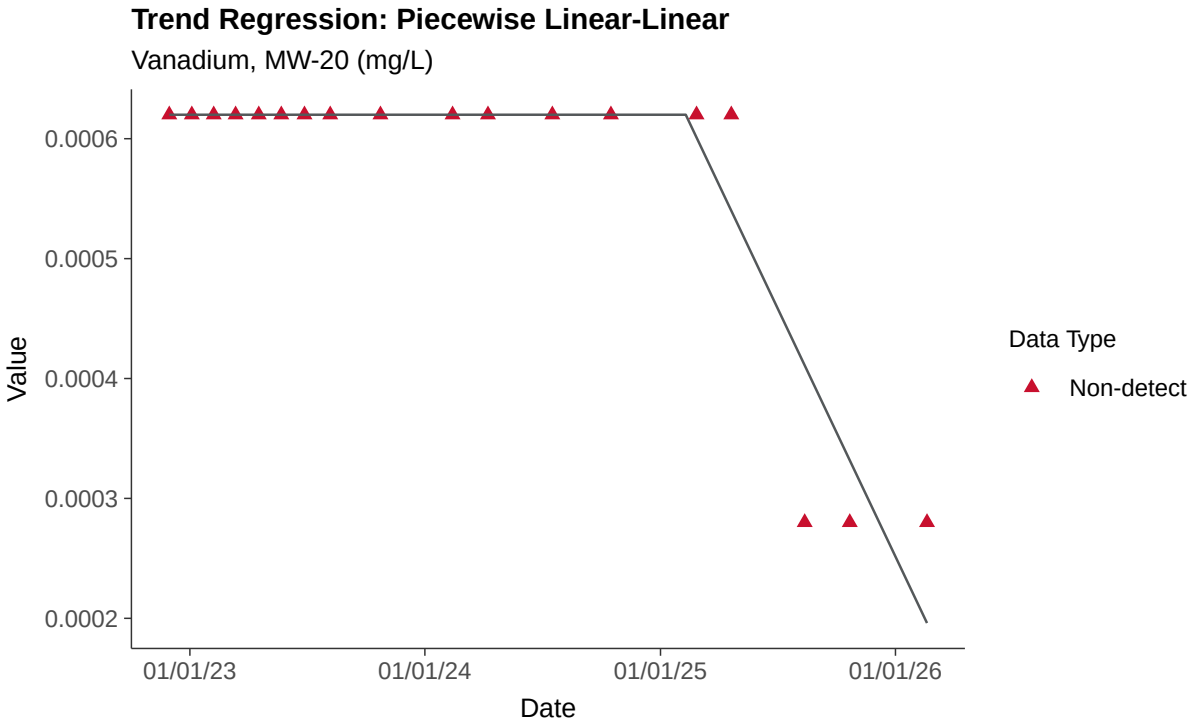
Vanadium, MW-20 (mg/L)



Boxplot by Season

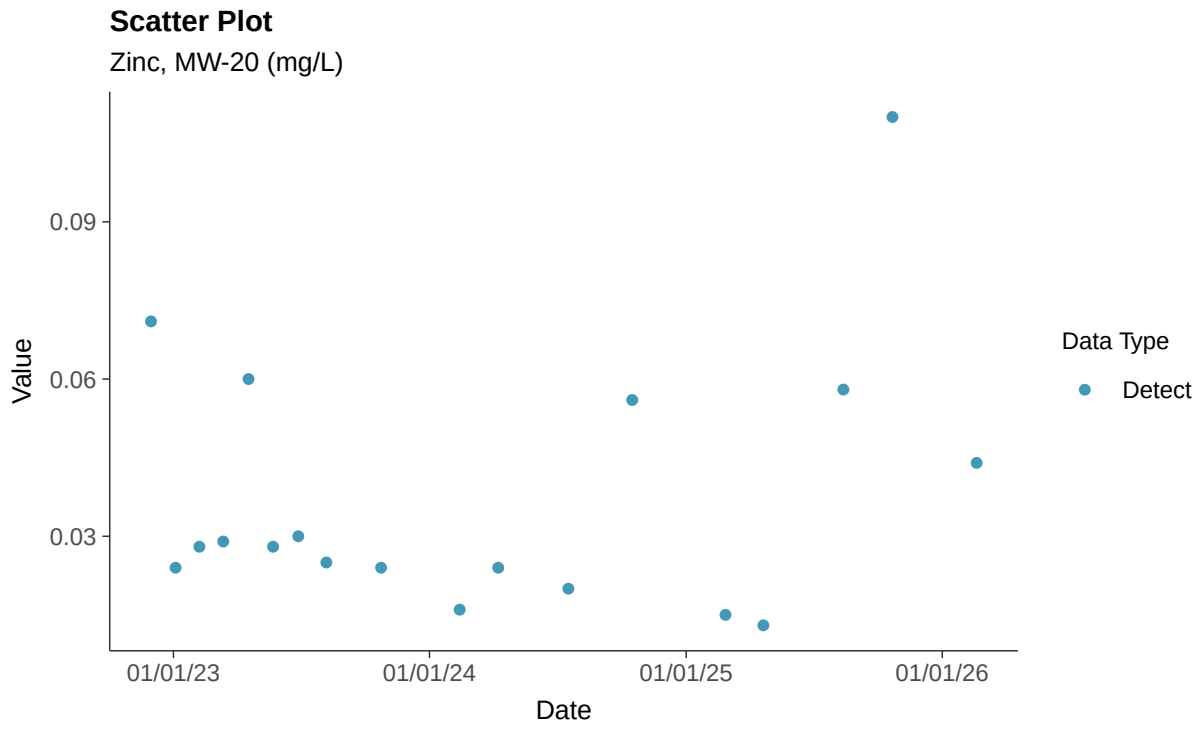
Vanadium, MW-20 (mg/L)

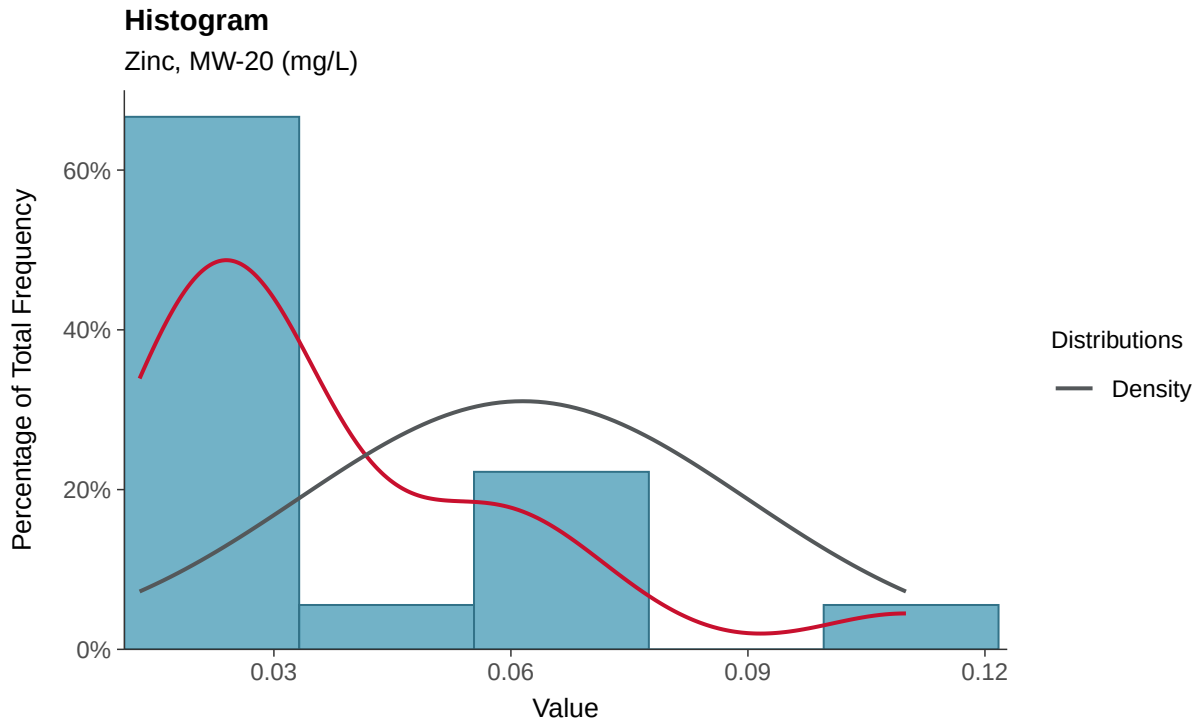



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-20 (mg/L)
Value
0.0006
0.0005
0.0004
0.0003
0.0002
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Non-detect

Part 115: Zinc, MW-20

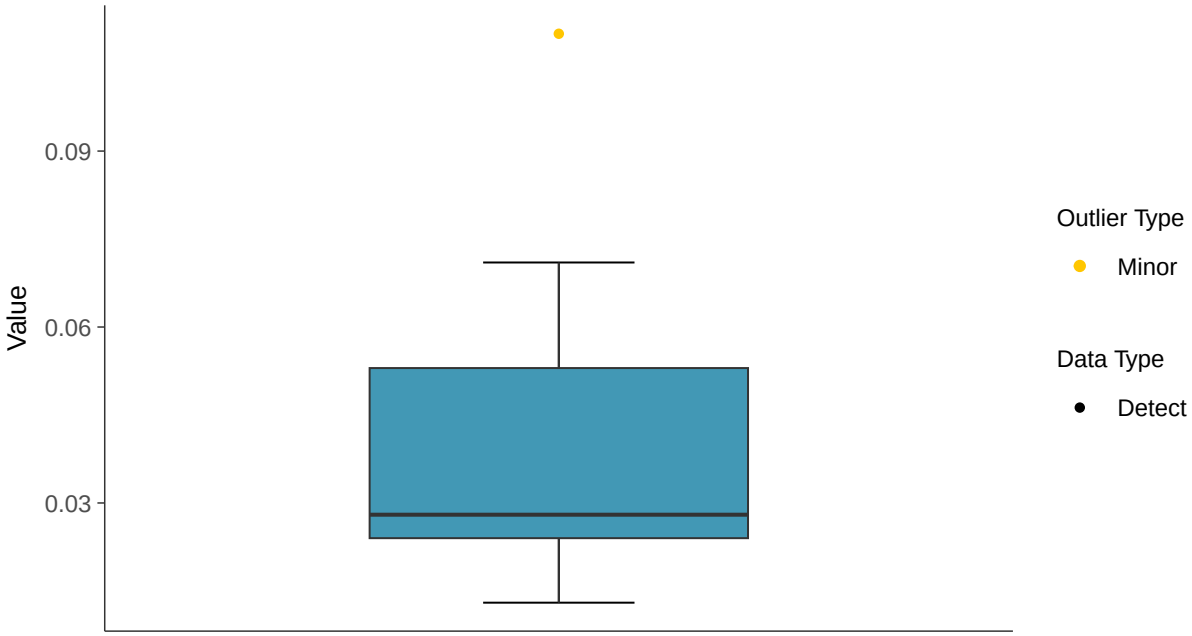
ID: 30_1_5_129





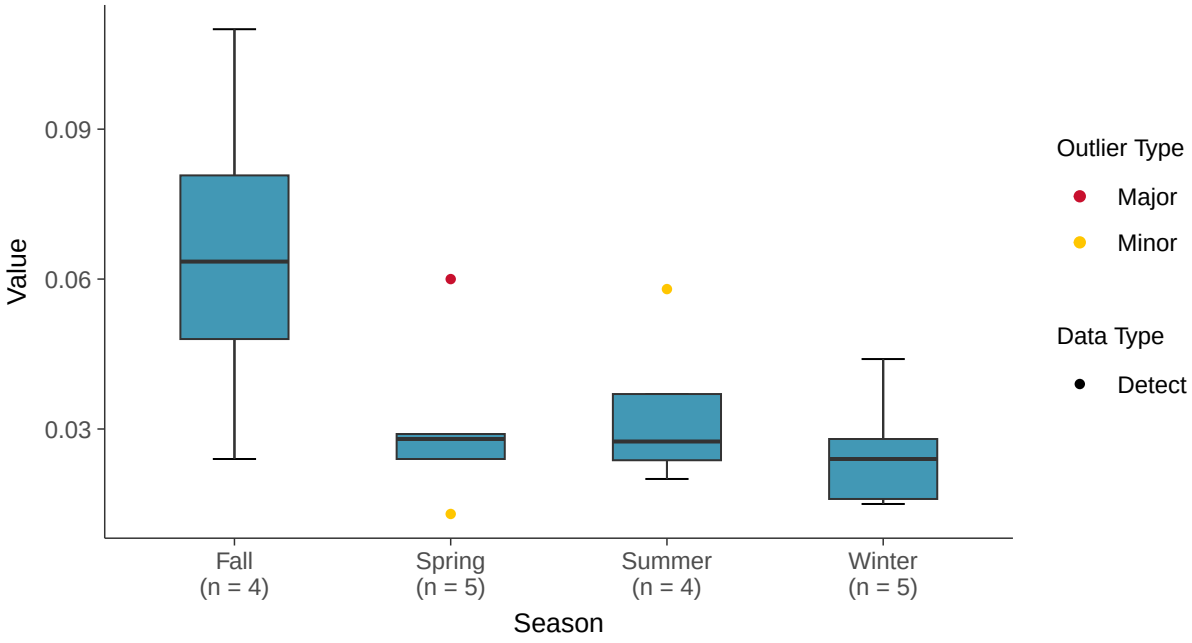
Boxplot

Zinc, MW-20 (mg/L)



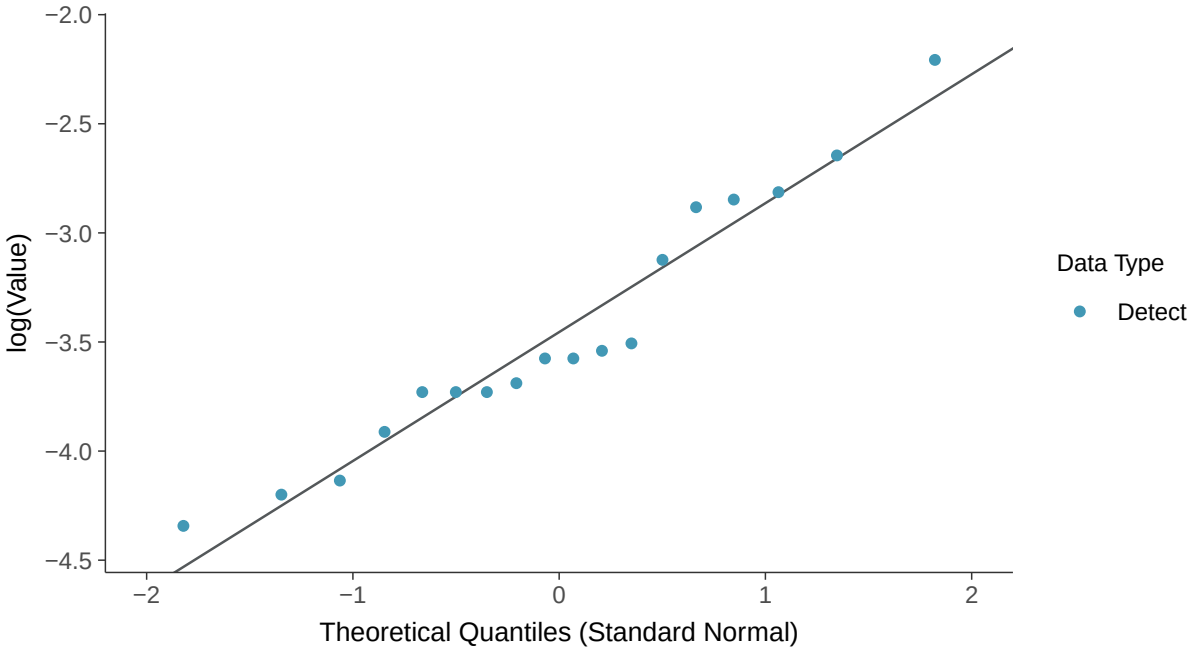
Boxplot by Season

Zinc, MW-20 (mg/L)



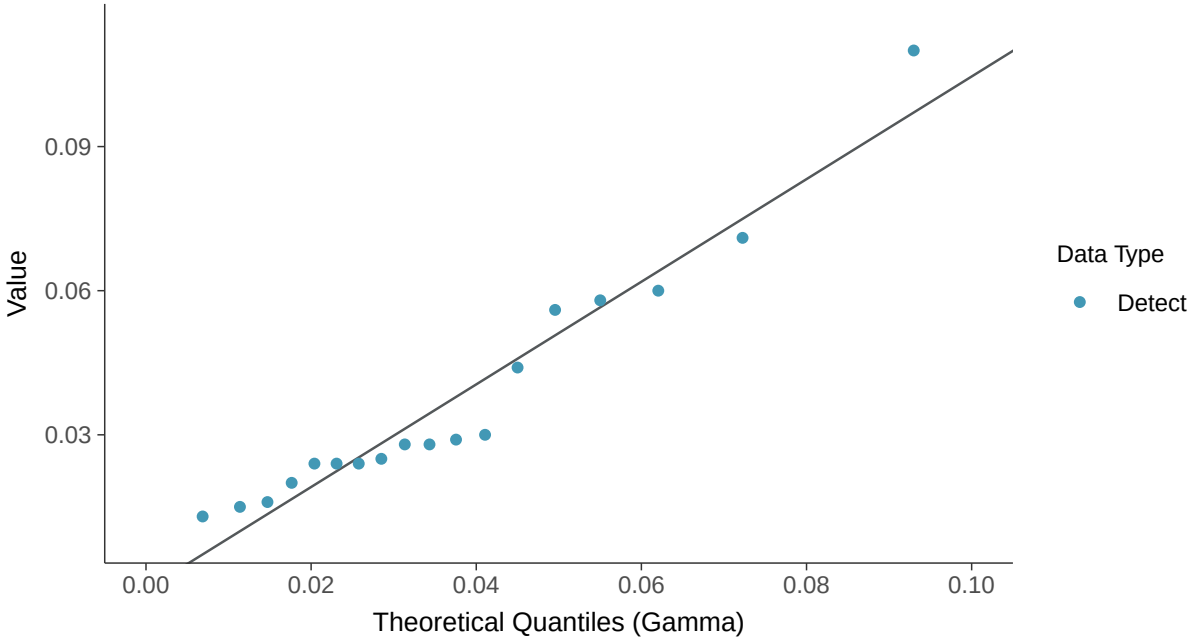
Lognormal Q-Q plot

Zinc, MW-20 (mg/L)



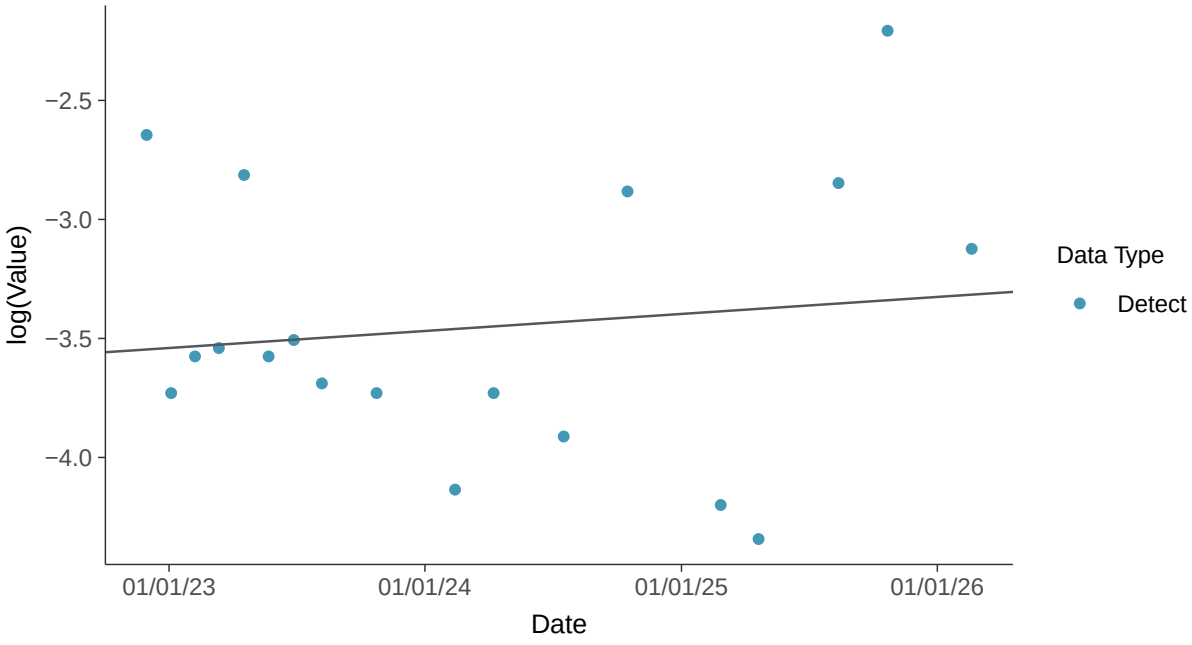
Gamma Q-Q plot

Zinc, MW-20 (mg/L)



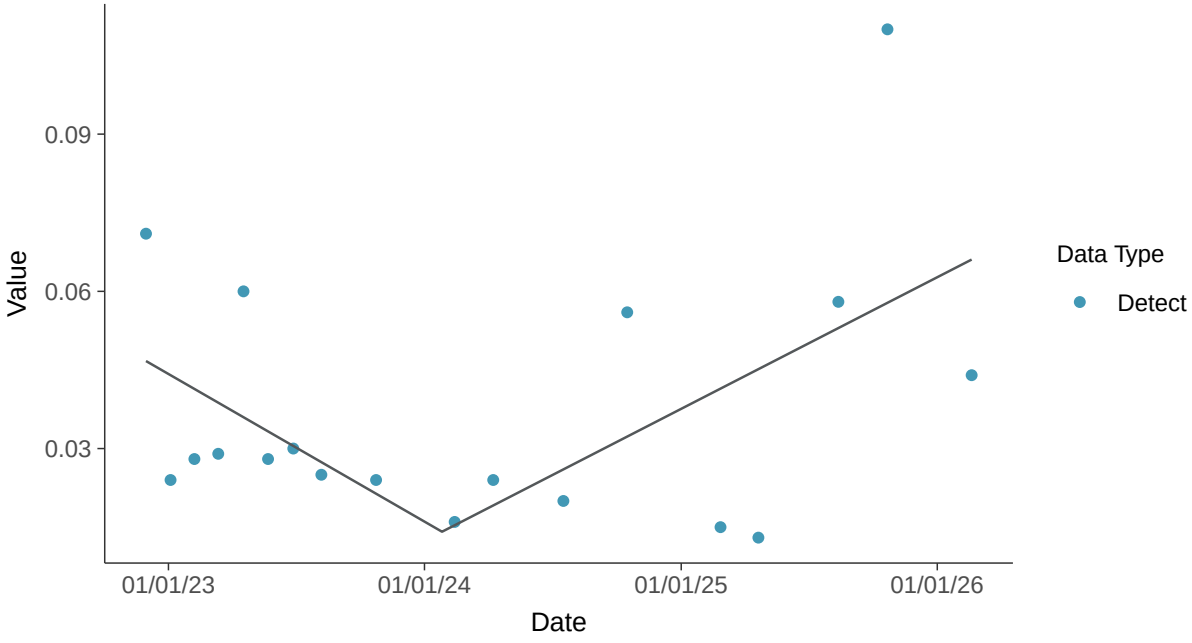
Trend Regression: Lognormal MLE

Zinc, MW-20 (mg/L)



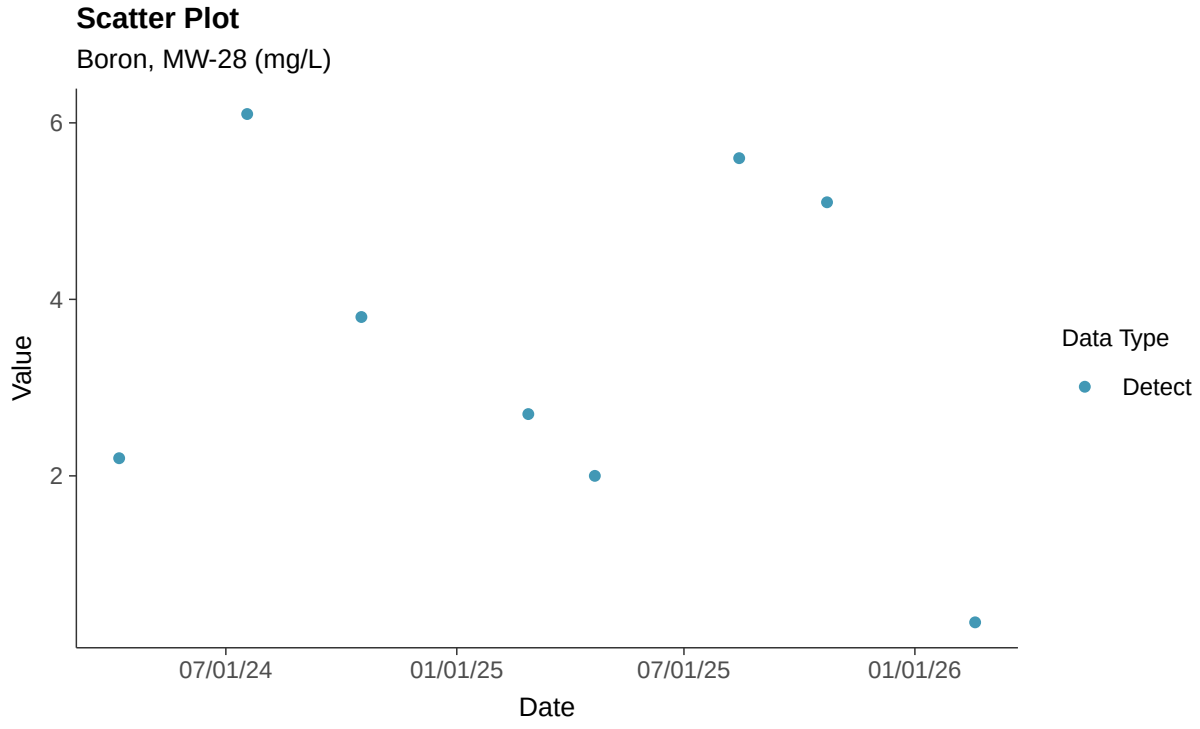
Trend Regression: Piecewise Linear-Linear

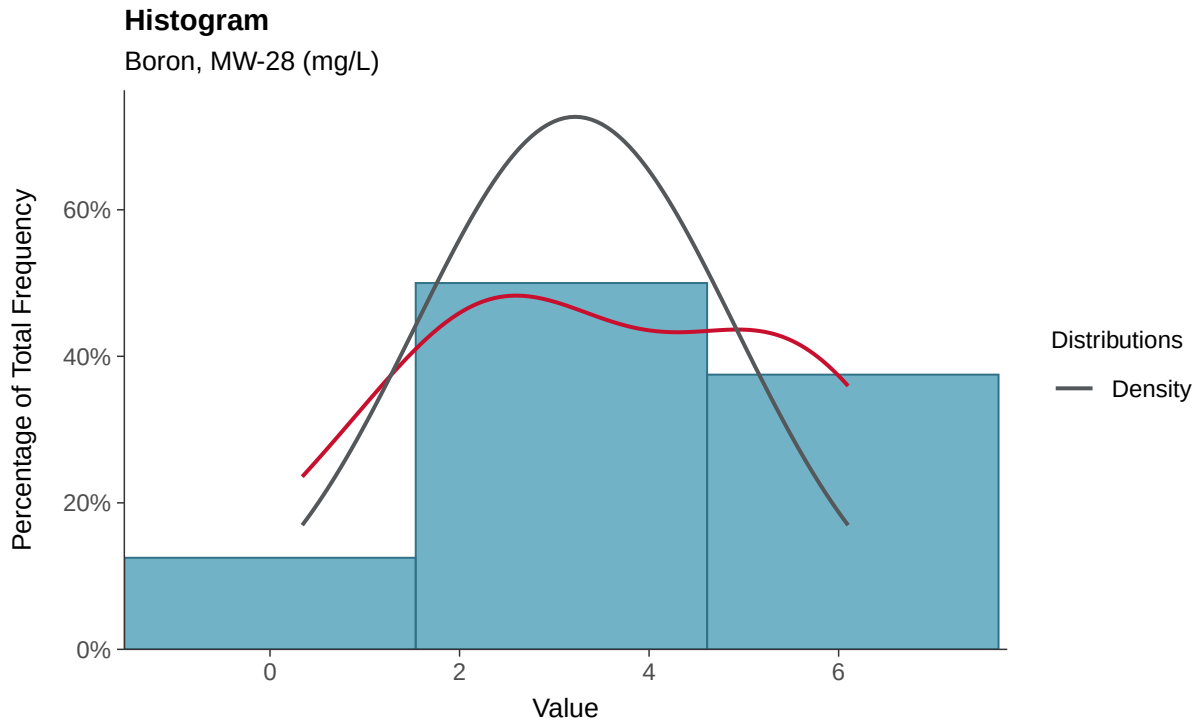
Zinc, MW-20 (mg/L)



Appendix III: Boron, MW-28

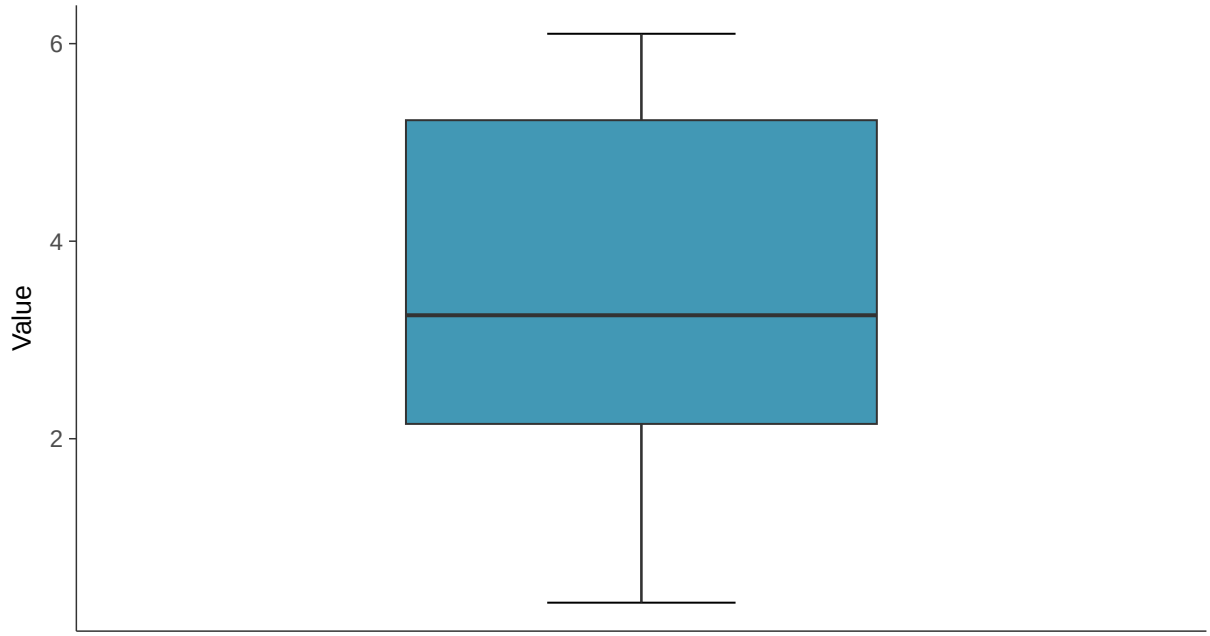
ID: 38_1_3_105





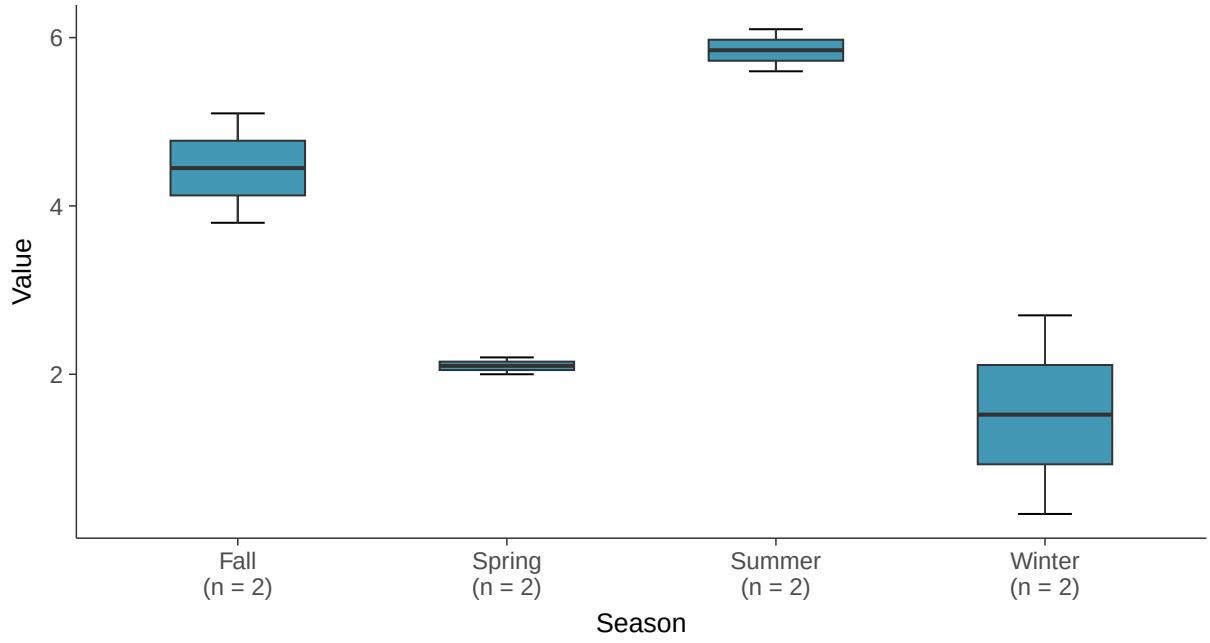
Boxplot

Boron, MW-28 (mg/L)



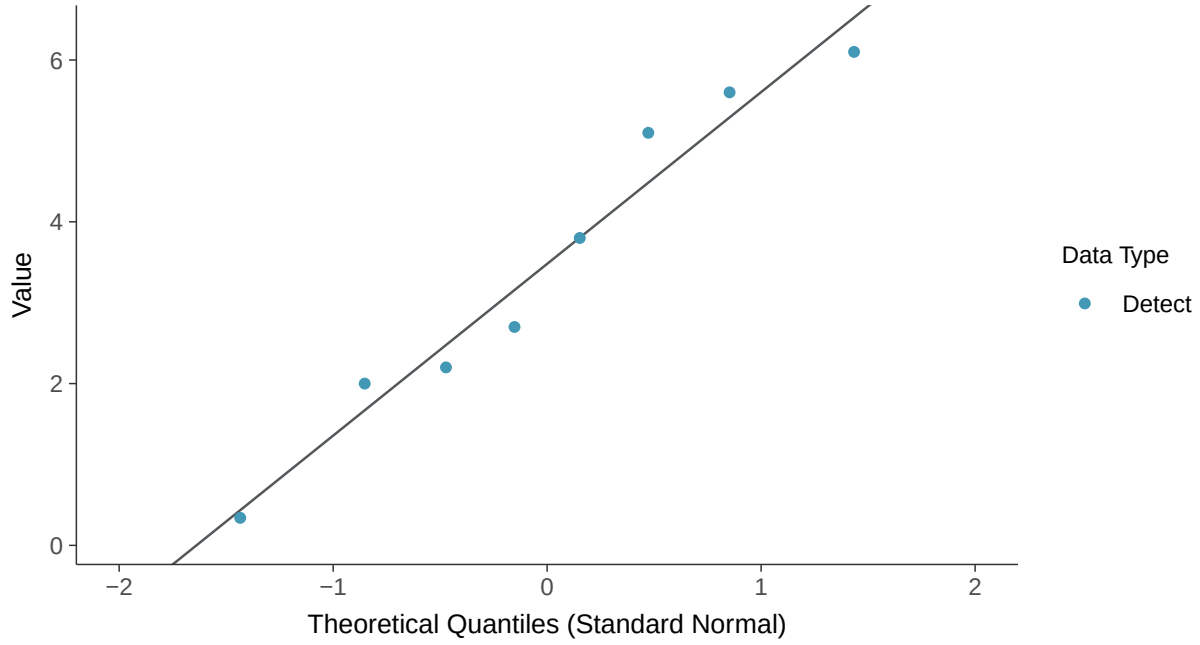
Boxplot by Season

Boron, MW-28 (mg/L)



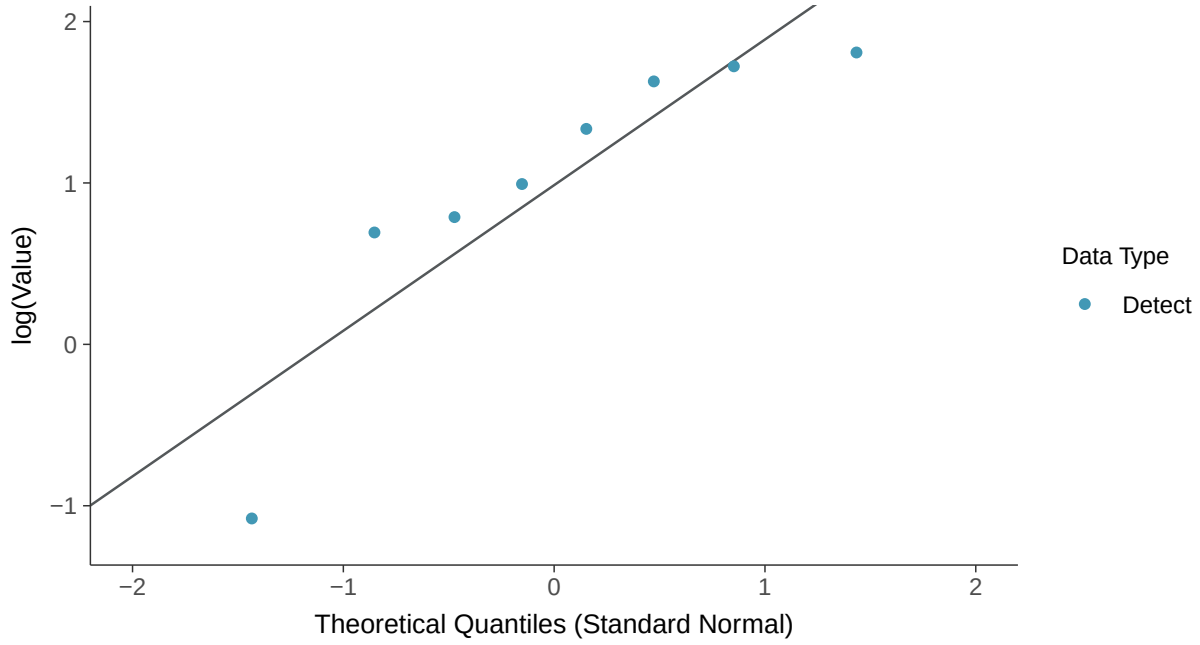
Normal Q-Q plot

Boron, MW-28 (mg/L)



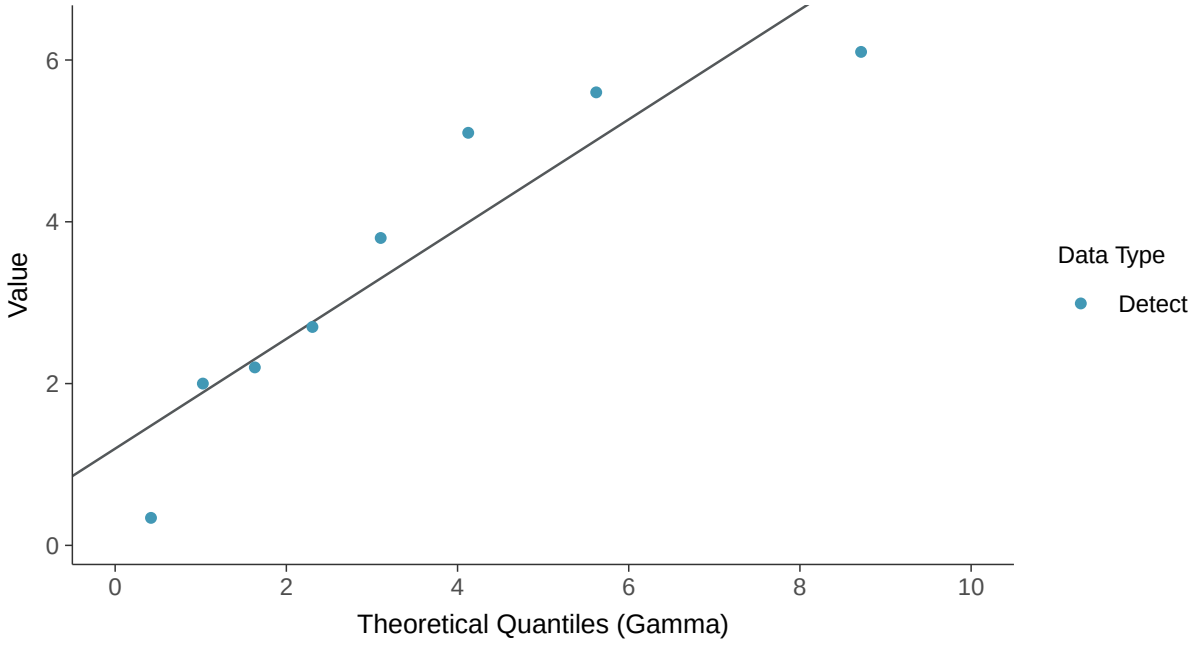
Lognormal Q-Q plot

Boron, MW-28 (mg/L)



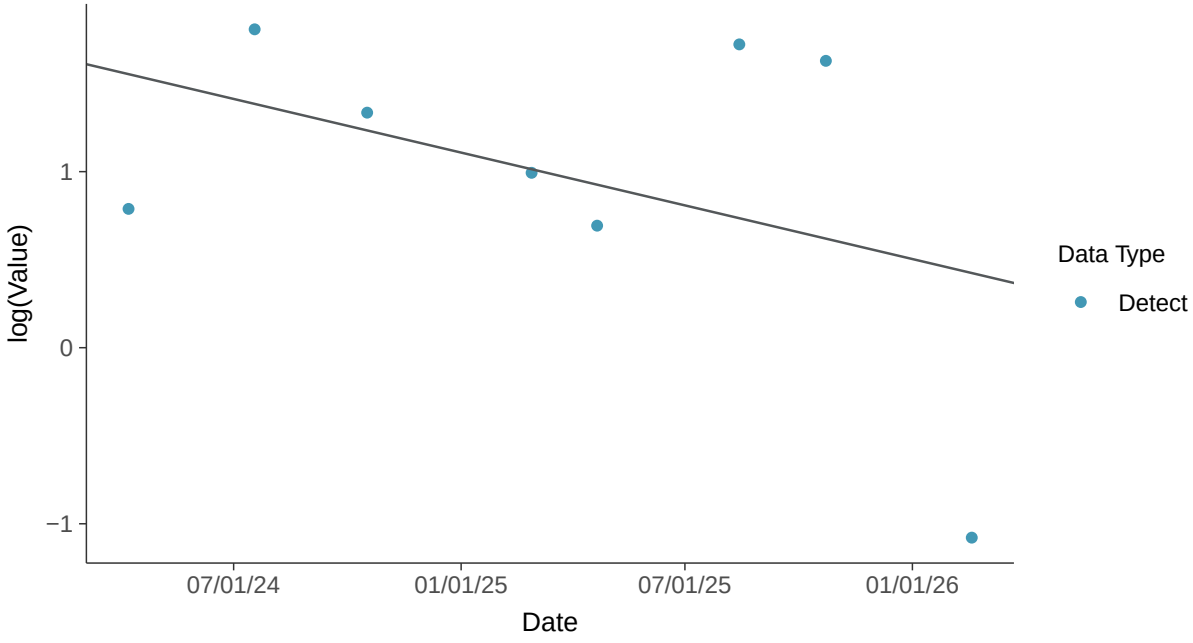
Gamma Q-Q plot

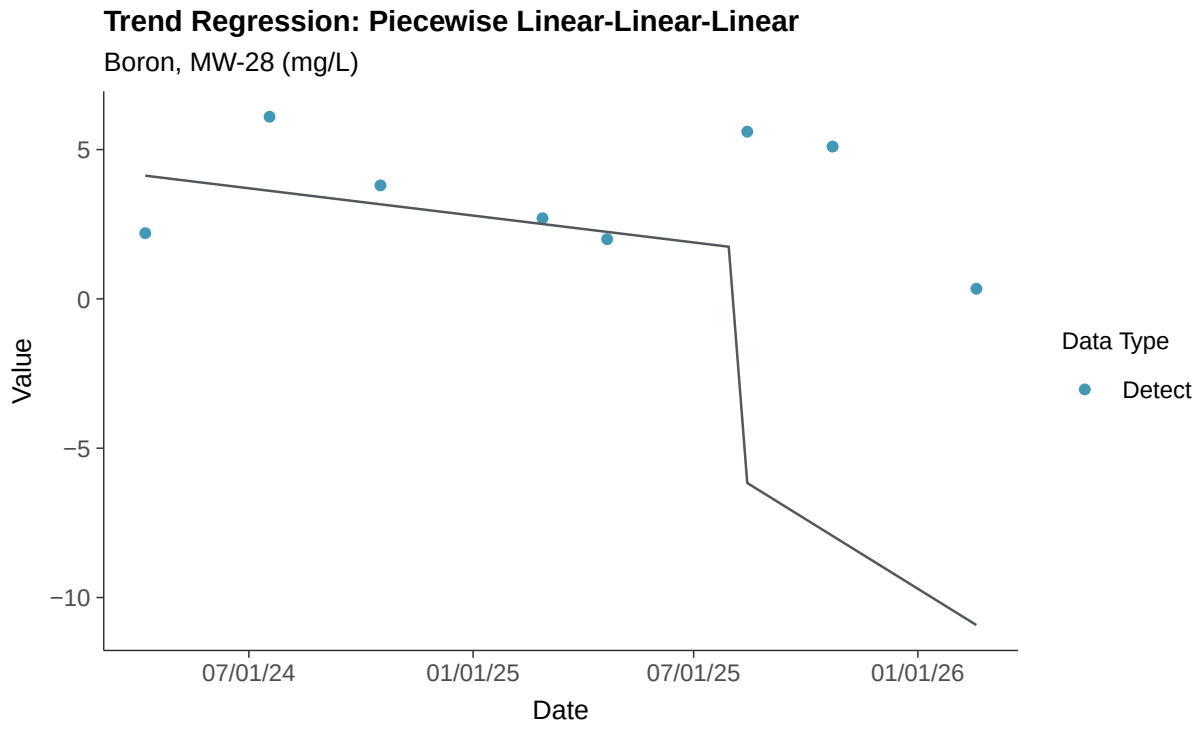
Boron, MW-28 (mg/L)



Trend Regression: Lognormal MLE

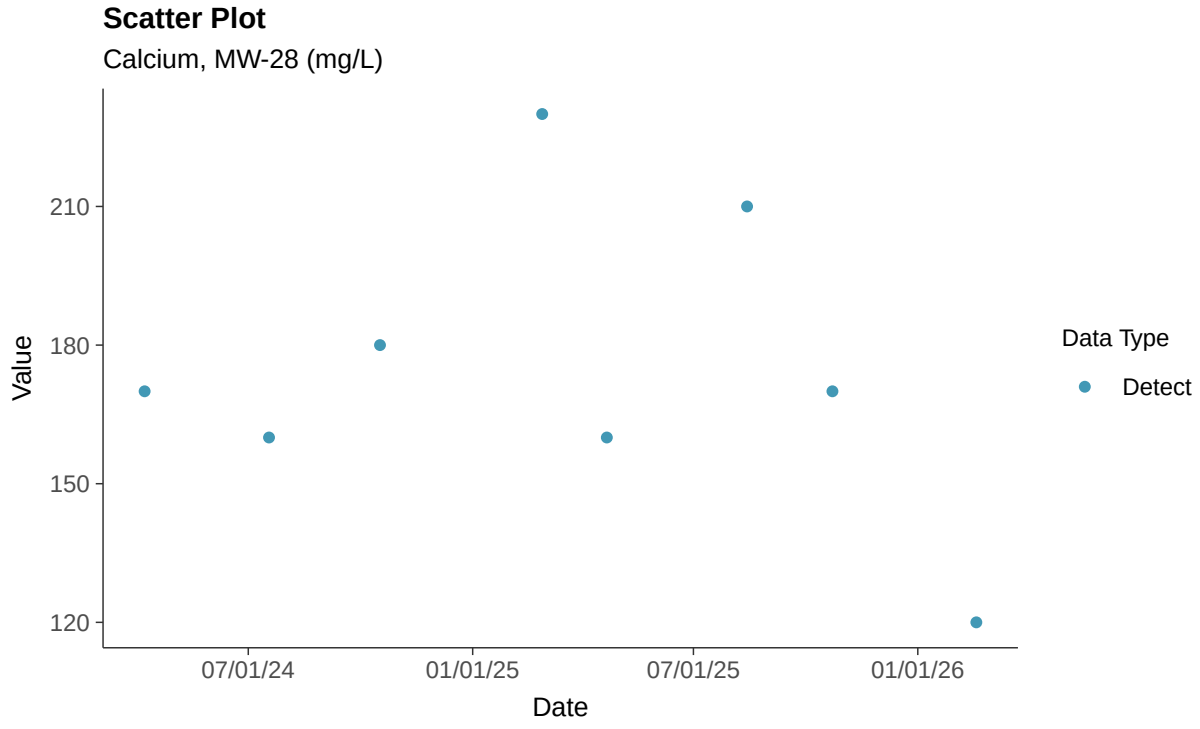
Boron, MW-28 (mg/L)

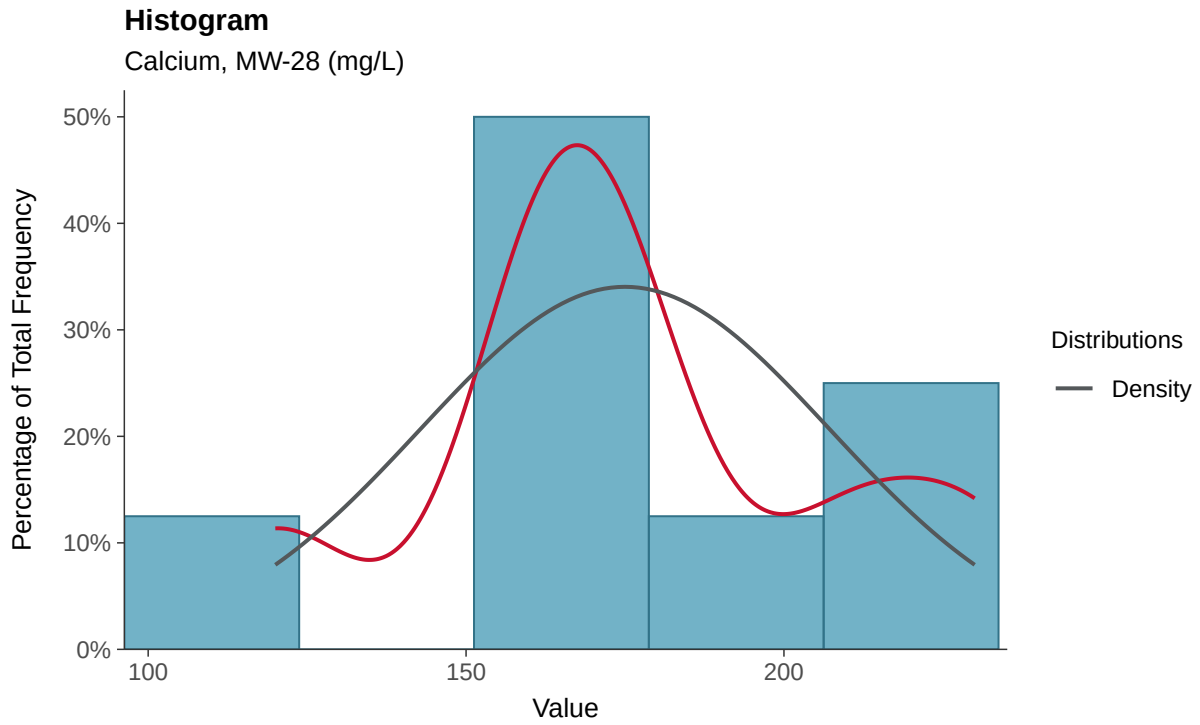



Trend Regression: Piecewise Linear-Linear-Linear
Boron, MW-28 (mg/L)
Value
5
0
−5
−10
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Calcium, MW-28

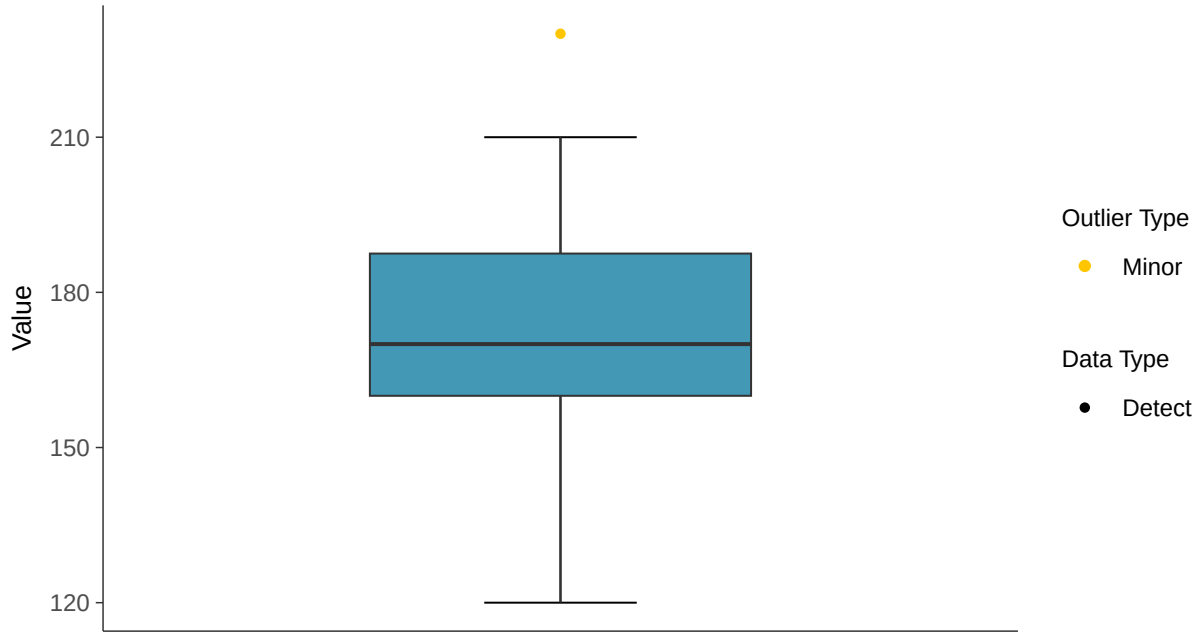
ID: 38_1_3_107





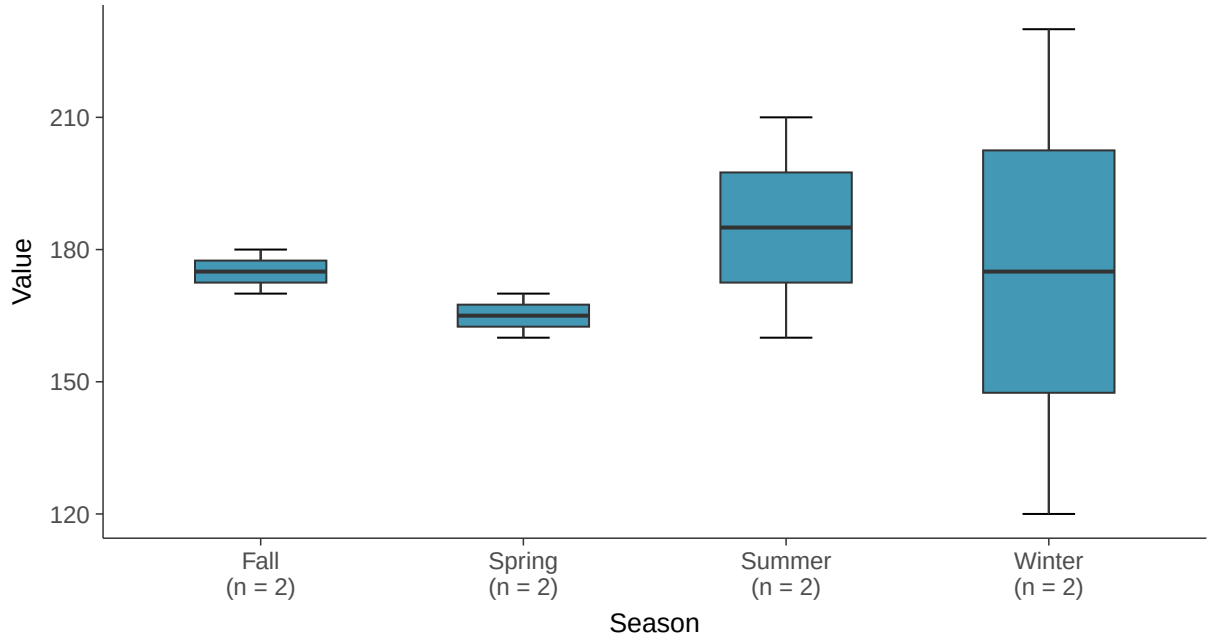
Boxplot

Calcium, MW-28 (mg/L)



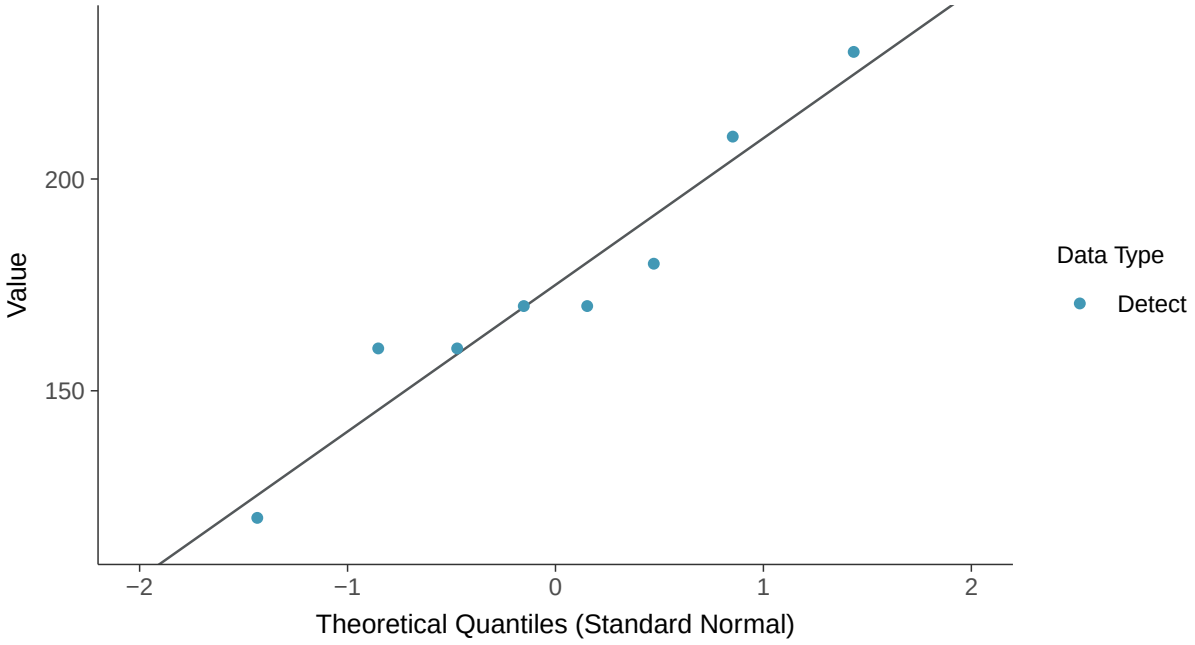
Boxplot by Season

Calcium, MW-28 (mg/L)



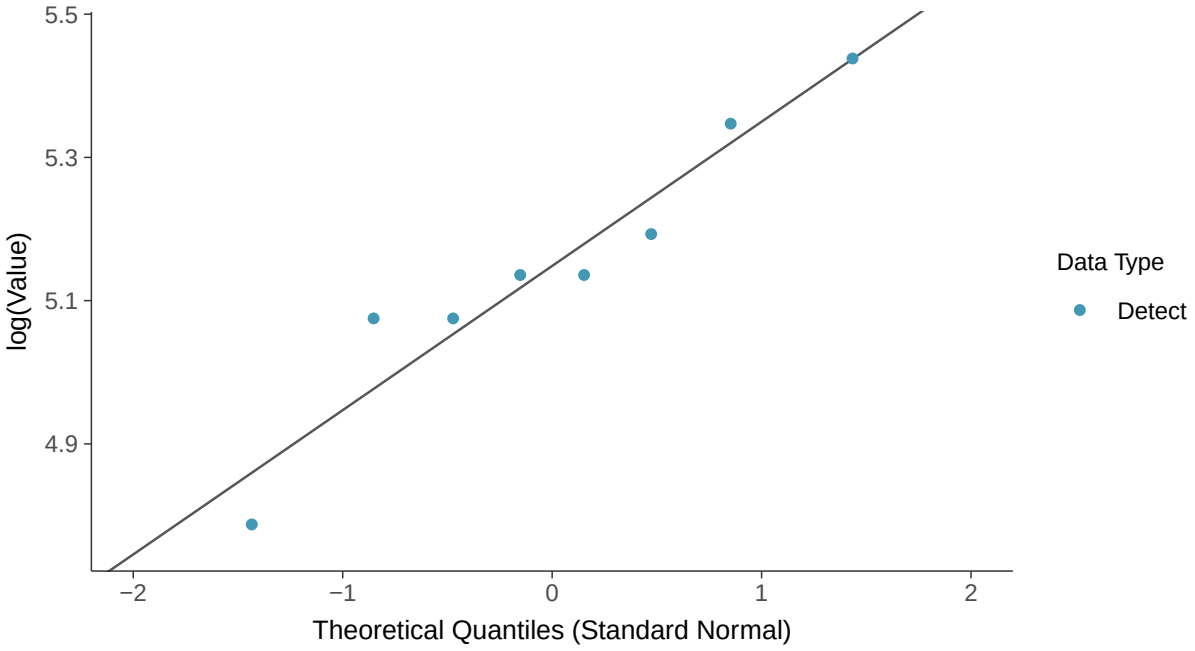
Normal Q-Q plot

Calcium, MW-28 (mg/L)



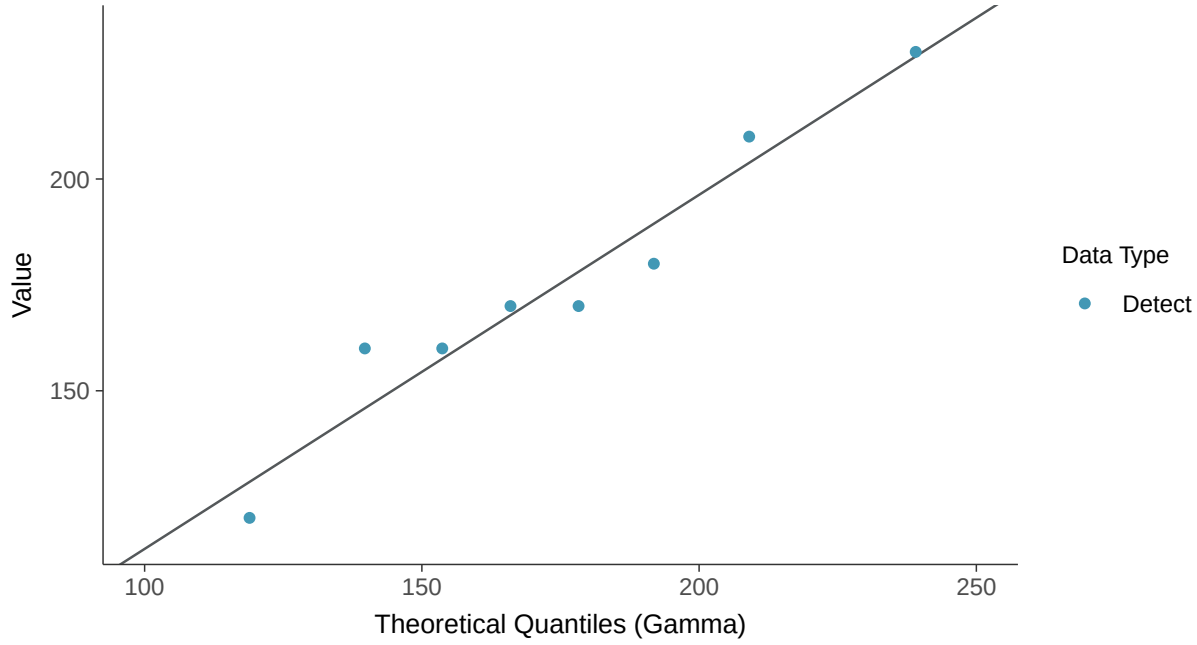
Lognormal Q-Q plot

Calcium, MW-28 (mg/L)



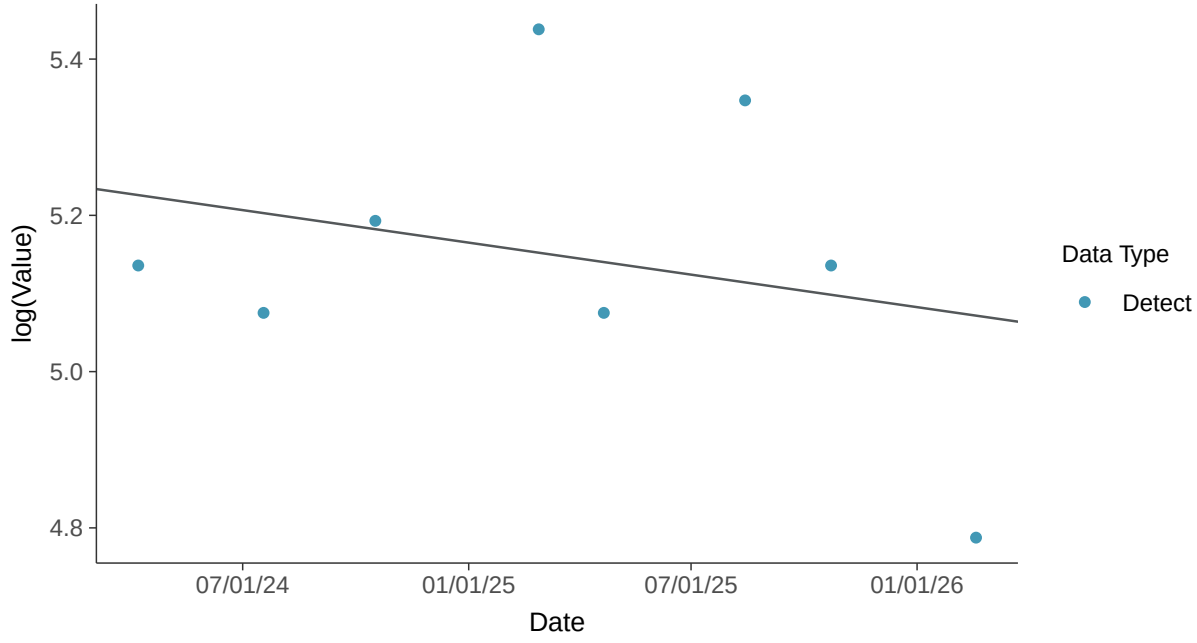
Gamma Q-Q plot

Calcium, MW-28 (mg/L)



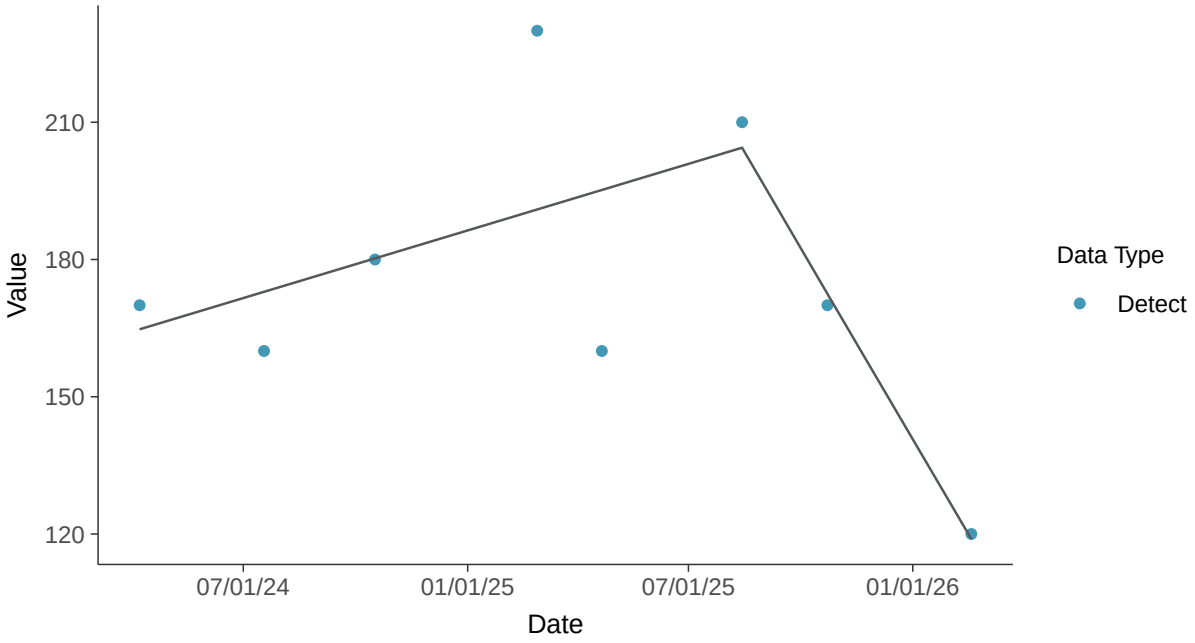
Trend Regression: Lognormal MLE

Calcium, MW-28 (mg/L)



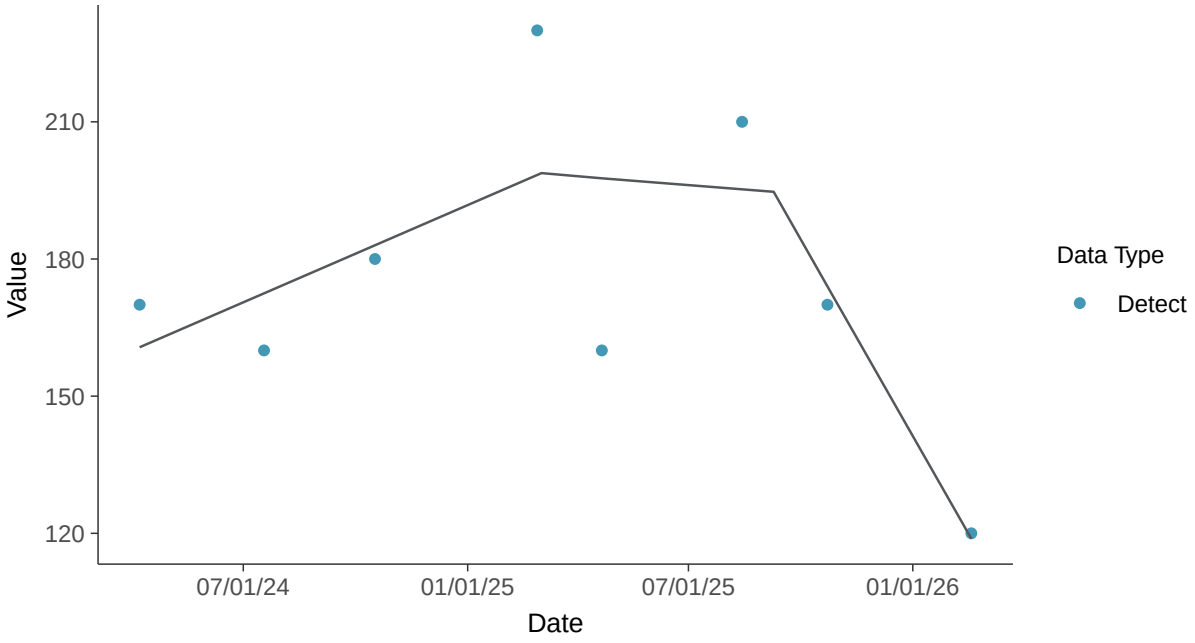
Trend Regression: Piecewise Linear-Linear

Calcium, MW-28 (mg/L)



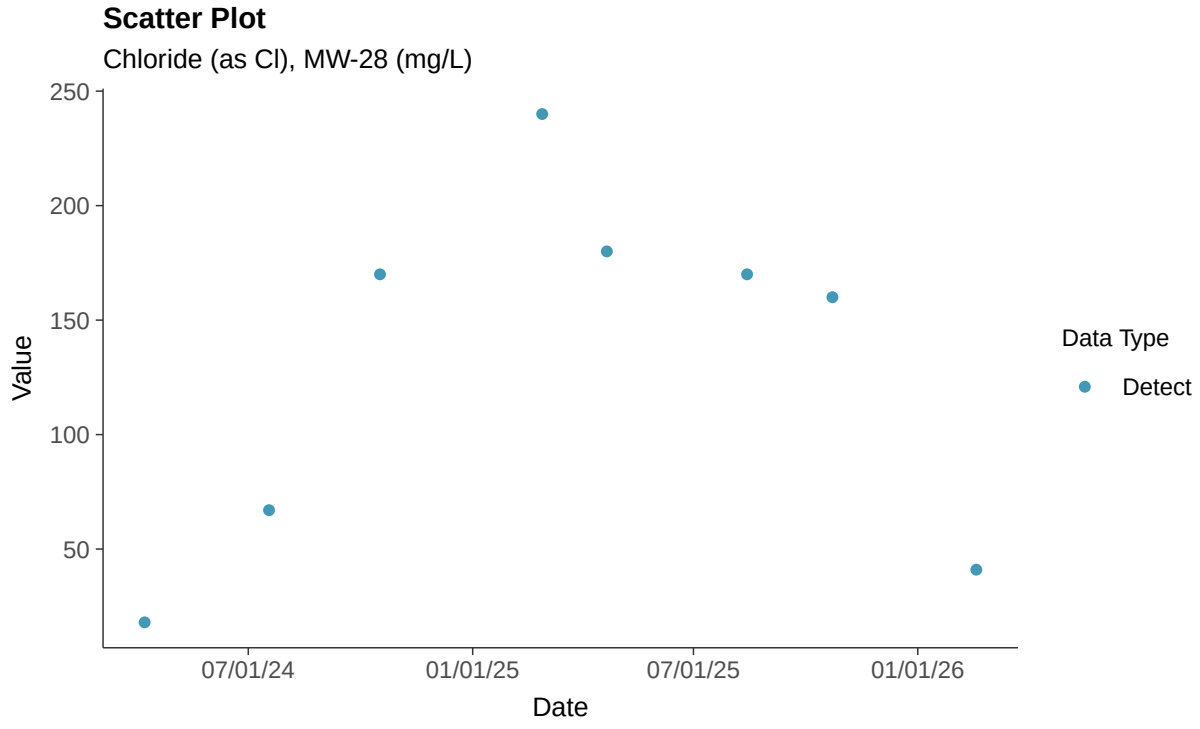
Trend Regression: Piecewise Linear-Linear-Linear

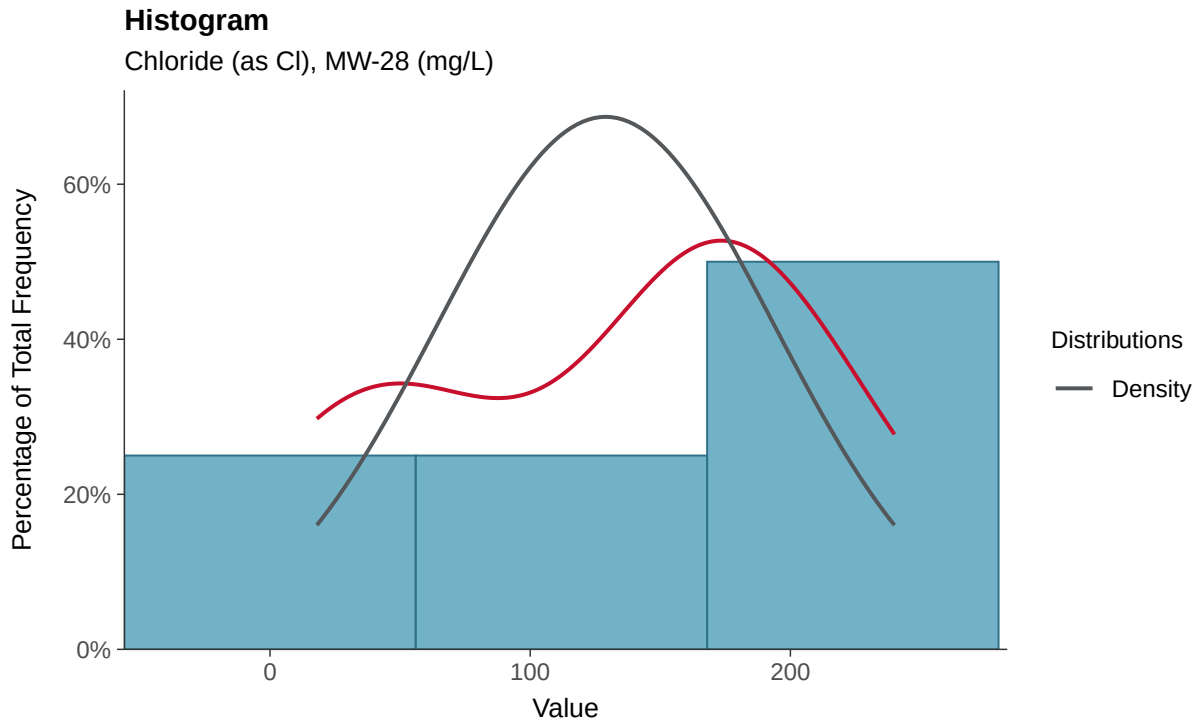
Calcium, MW-28 (mg/L)



Appendix III: Chloride (as Cl), MW-28

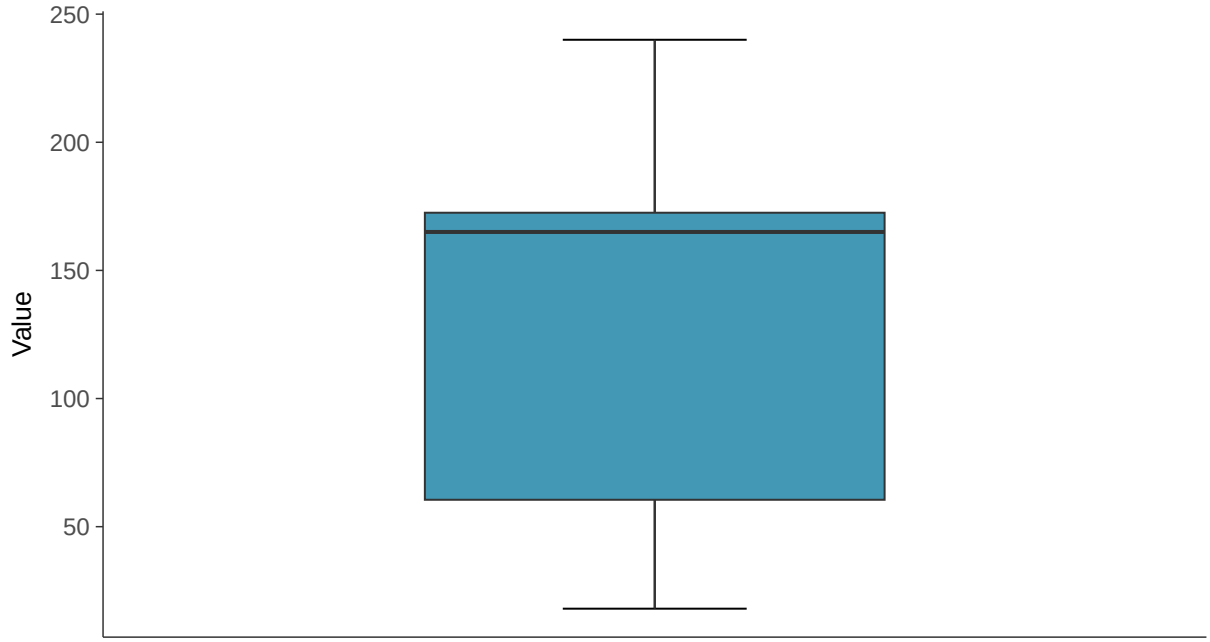
ID: 38_1_3_108





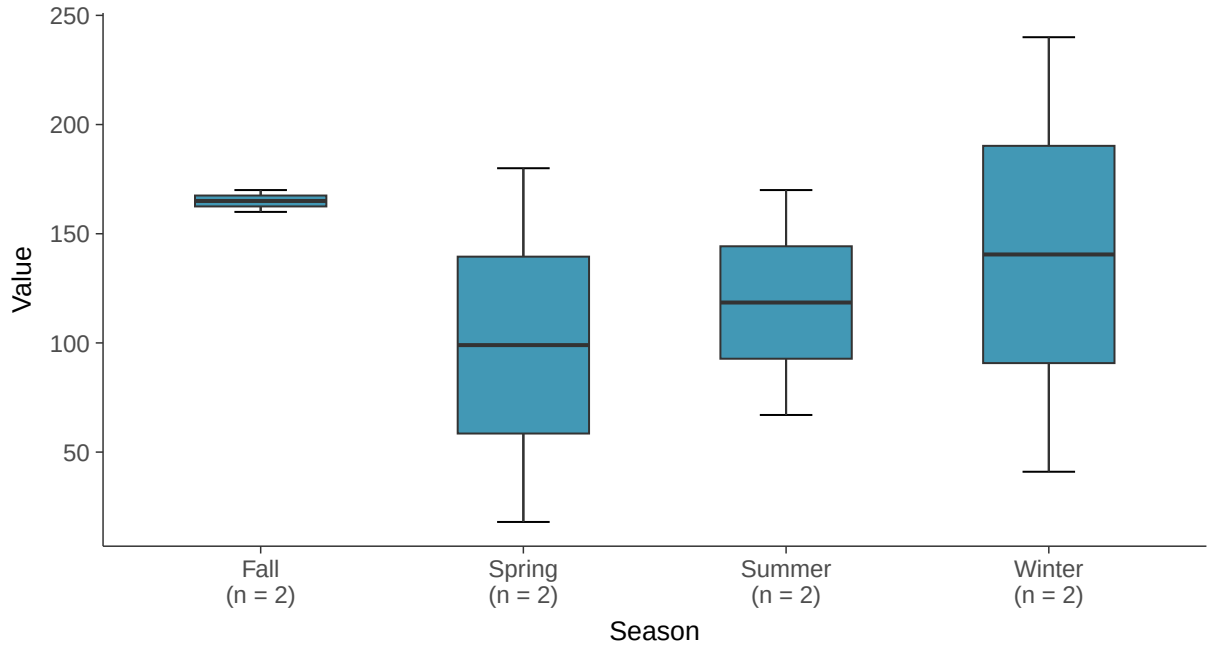
Boxplot

Chloride (as Cl), MW-28 (mg/L)



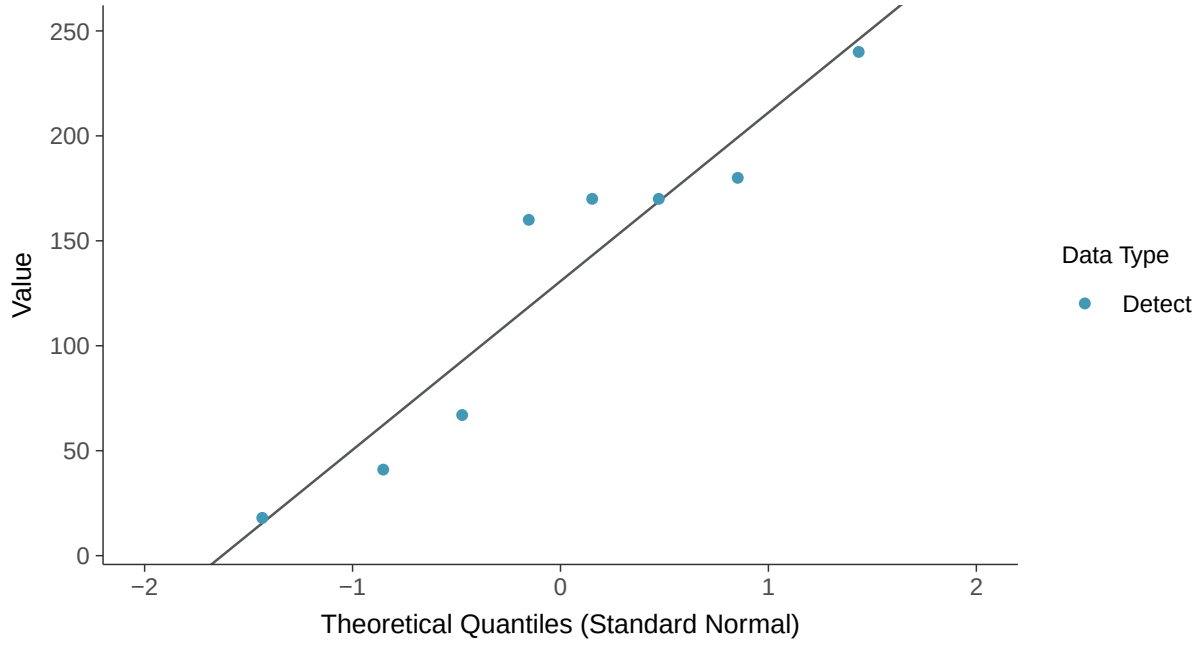
Boxplot by Season

Chloride (as Cl), MW-28 (mg/L)



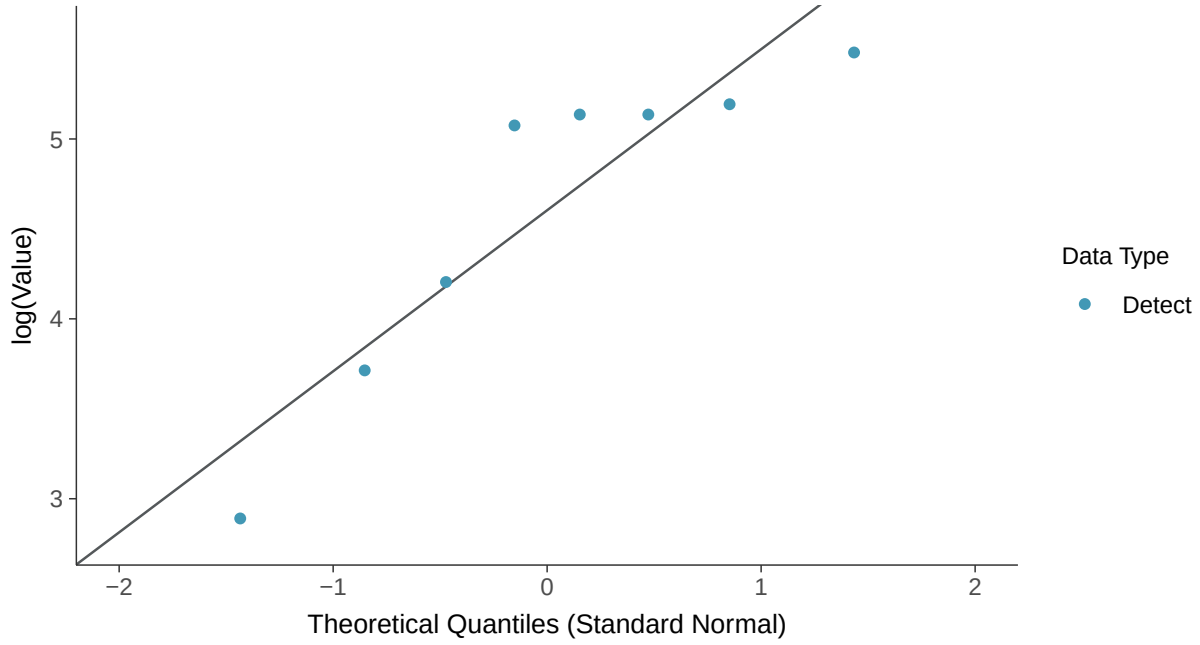
Normal Q-Q plot

Chloride (as Cl), MW-28 (mg/L)



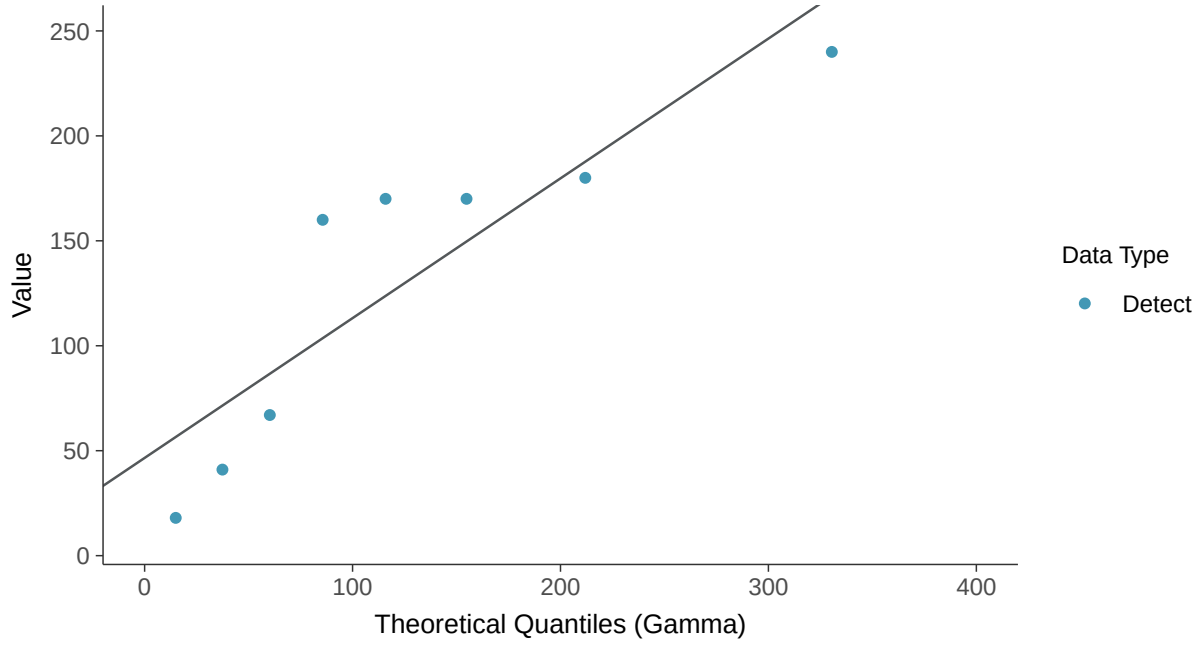
Lognormal Q-Q plot

Chloride (as Cl), MW-28 (mg/L)



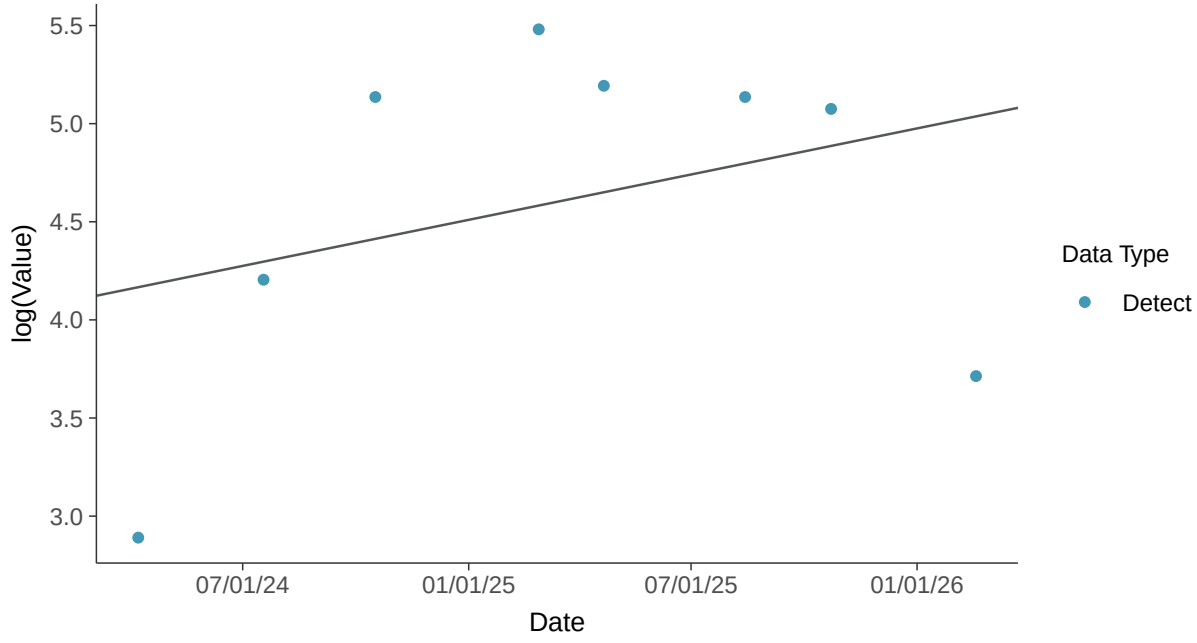
Gamma Q-Q plot

Chloride (as Cl), MW-28 (mg/L)



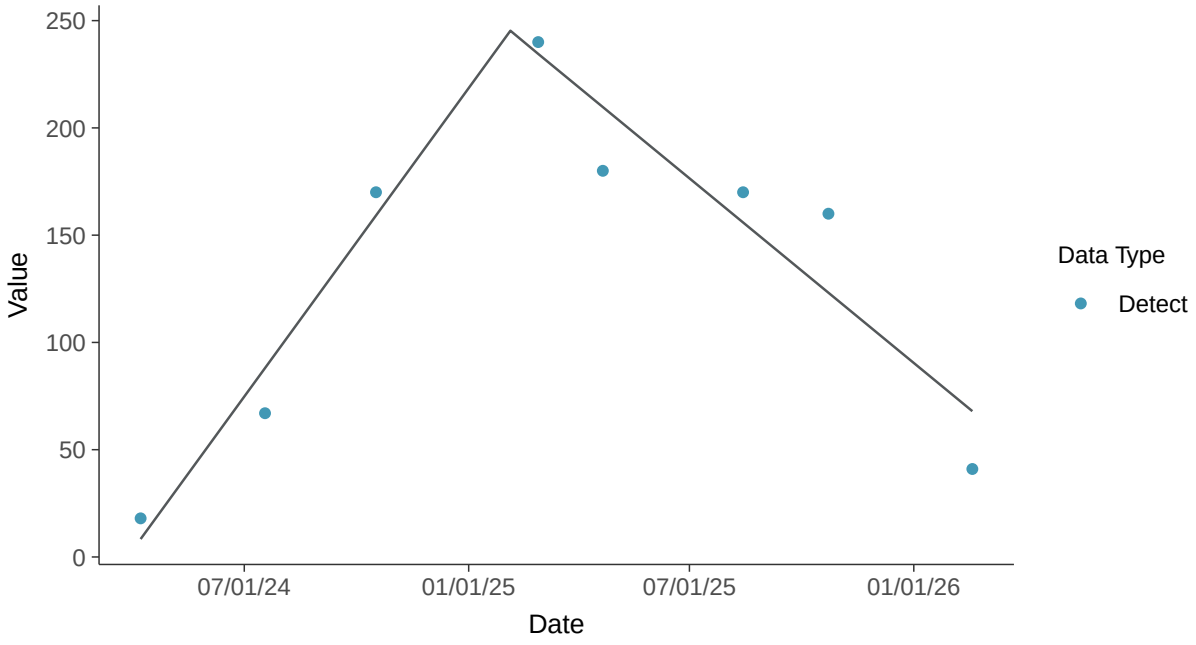
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-28 (mg/L)



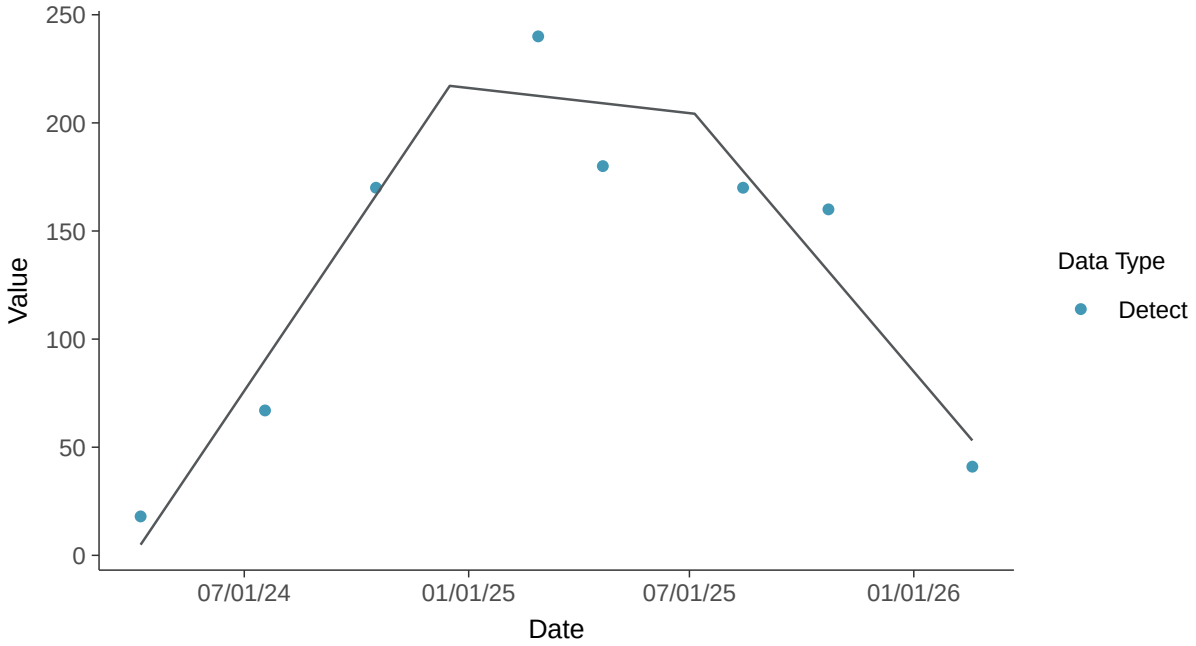
Trend Regression: Piecewise Linear-Linear

Chloride (as Cl), MW-28 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Chloride (as Cl), MW-28 (mg/L)

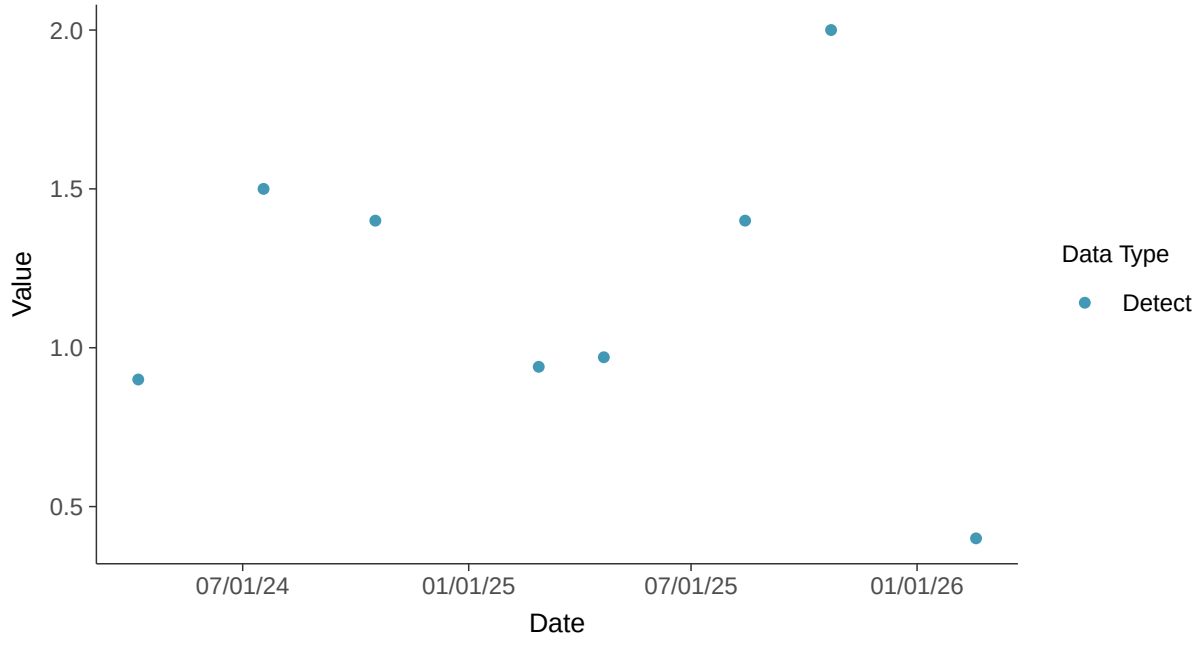


Appendix III: Fluoride, MW-28

ID: 38_1_3_112

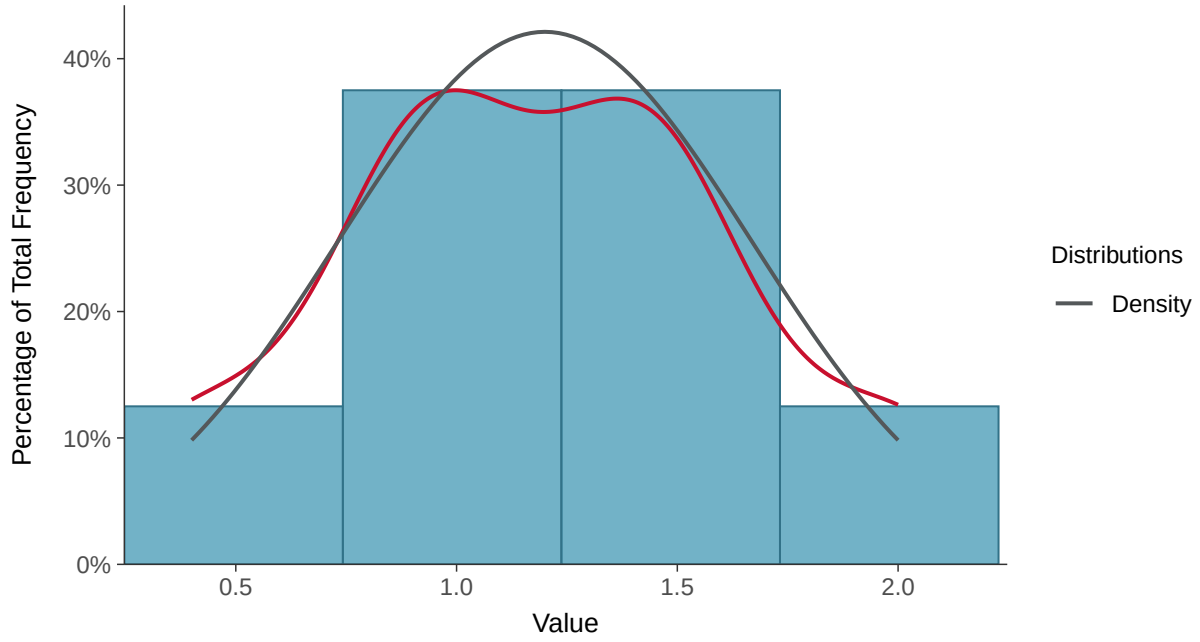
Scatter Plot

Fluoride, MW-28 (mg/L)



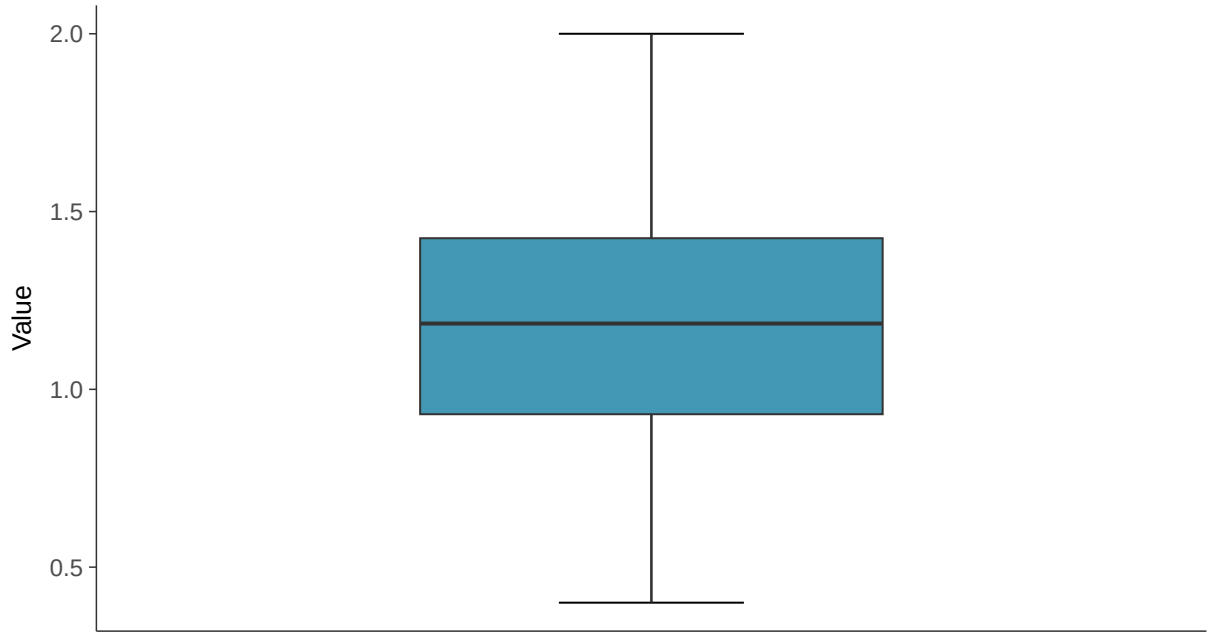
Histogram

Fluoride, MW-28 (mg/L)



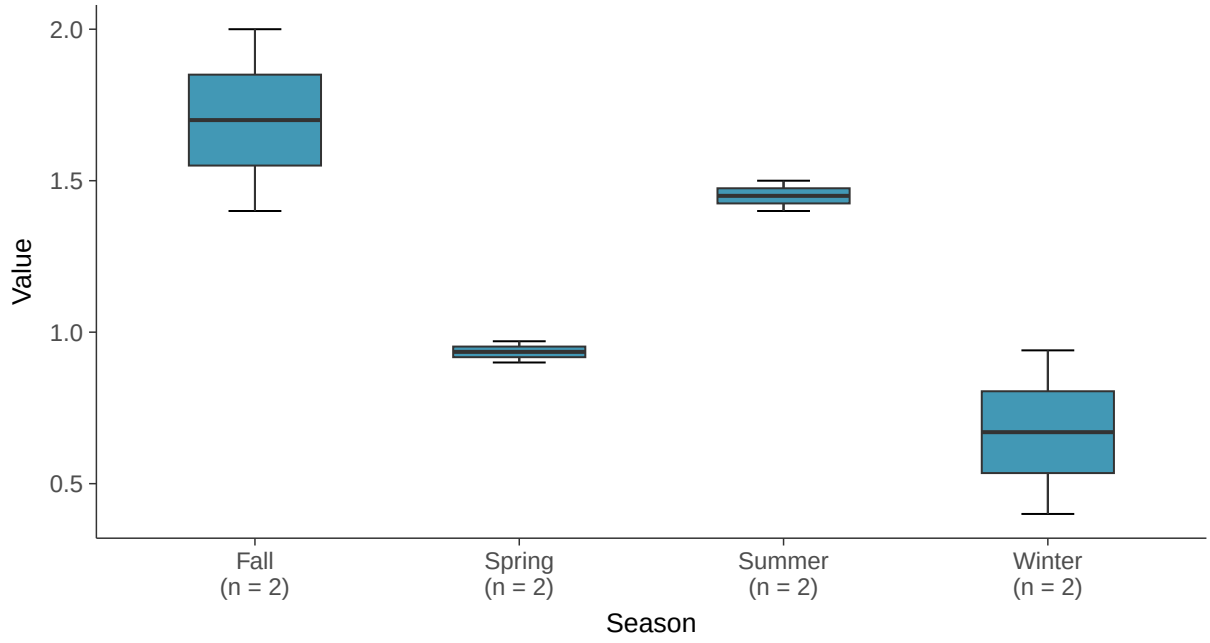
Boxplot

Fluoride, MW-28 (mg/L)



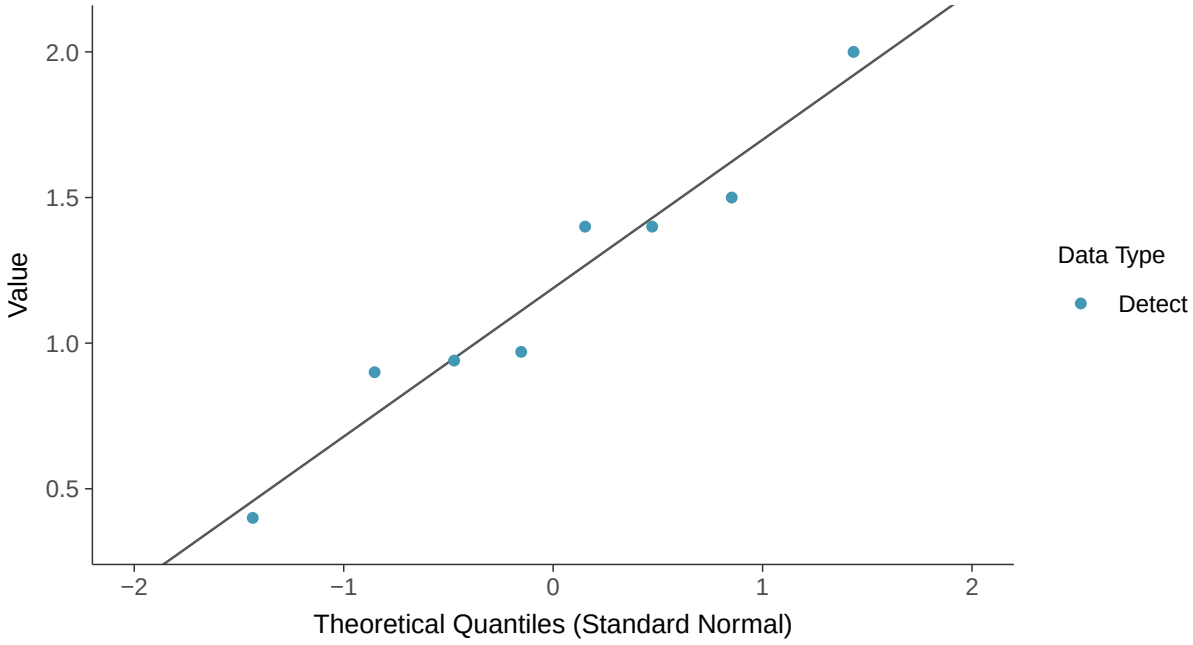
Boxplot by Season

Fluoride, MW-28 (mg/L)



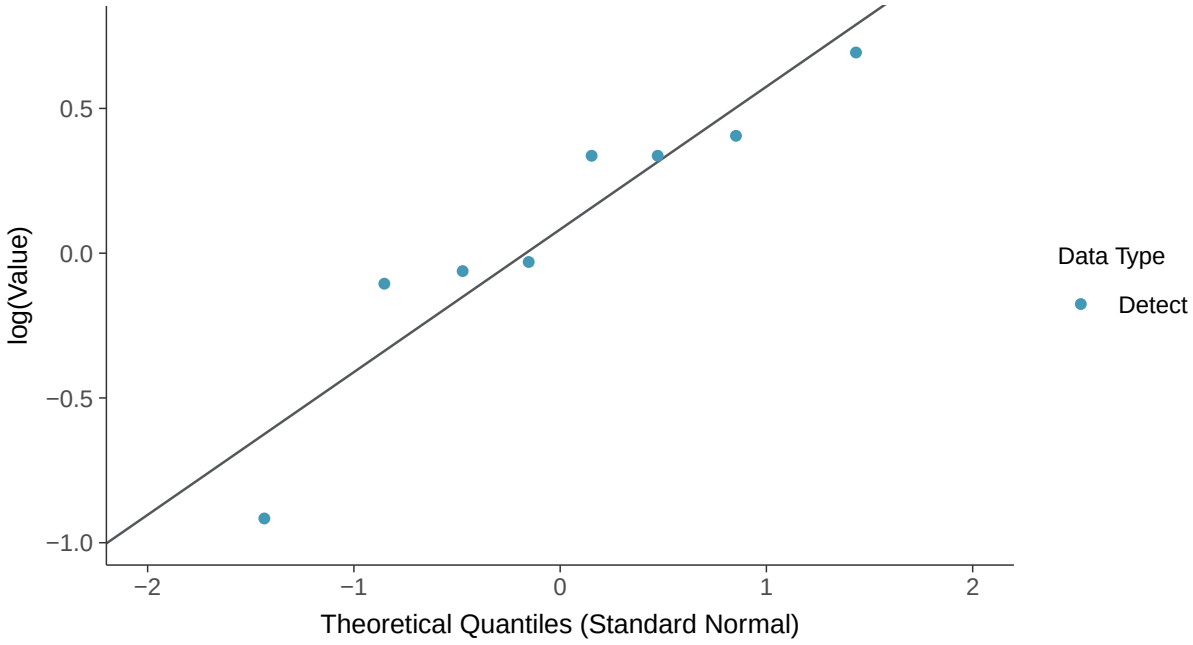
Normal Q-Q plot

Fluoride, MW-28 (mg/L)



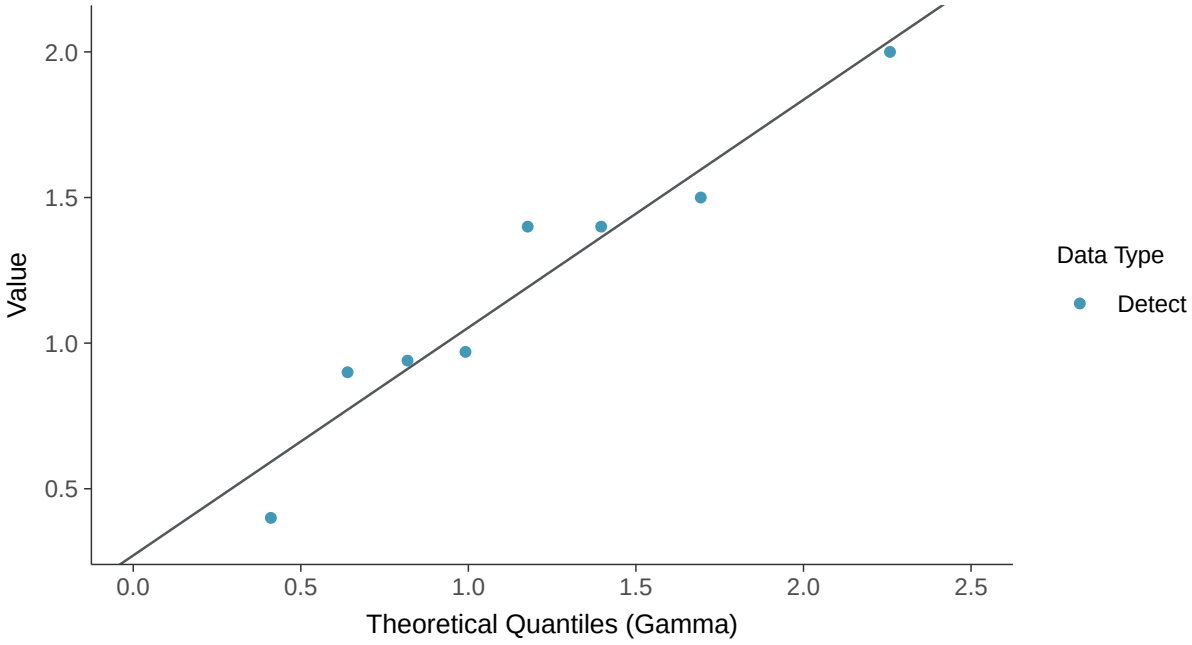
Lognormal Q-Q plot

Fluoride, MW-28 (mg/L)



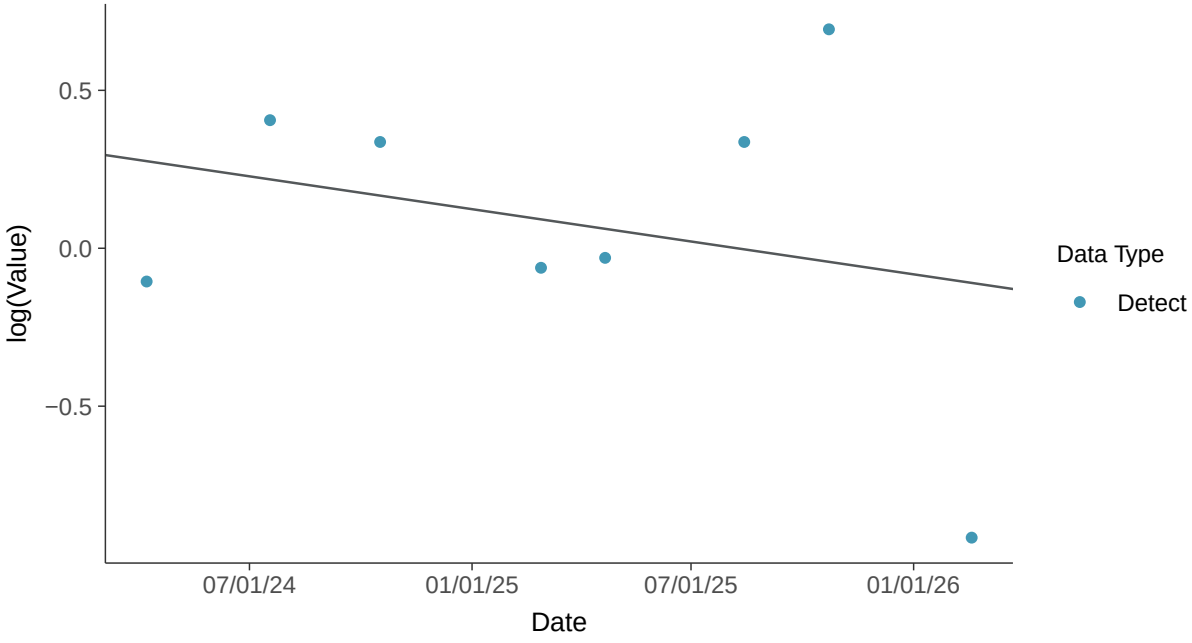
Gamma Q-Q plot

Fluoride, MW-28 (mg/L)



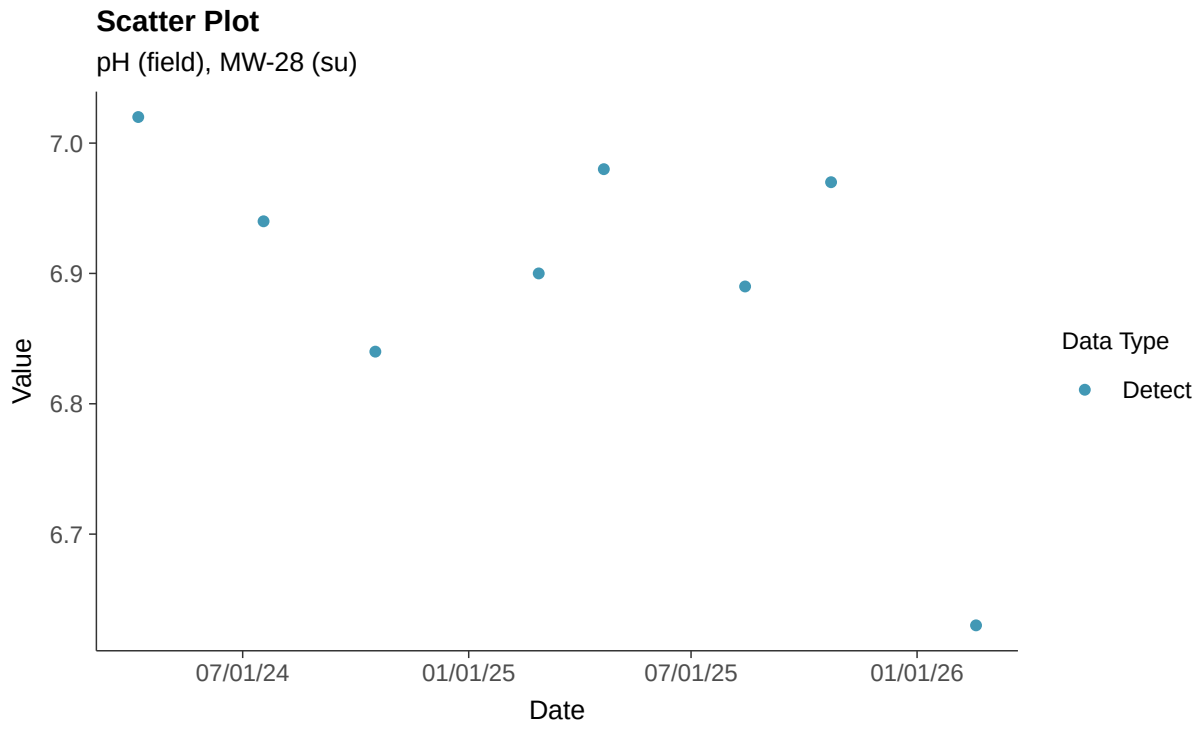
Trend Regression: Lognormal MLE

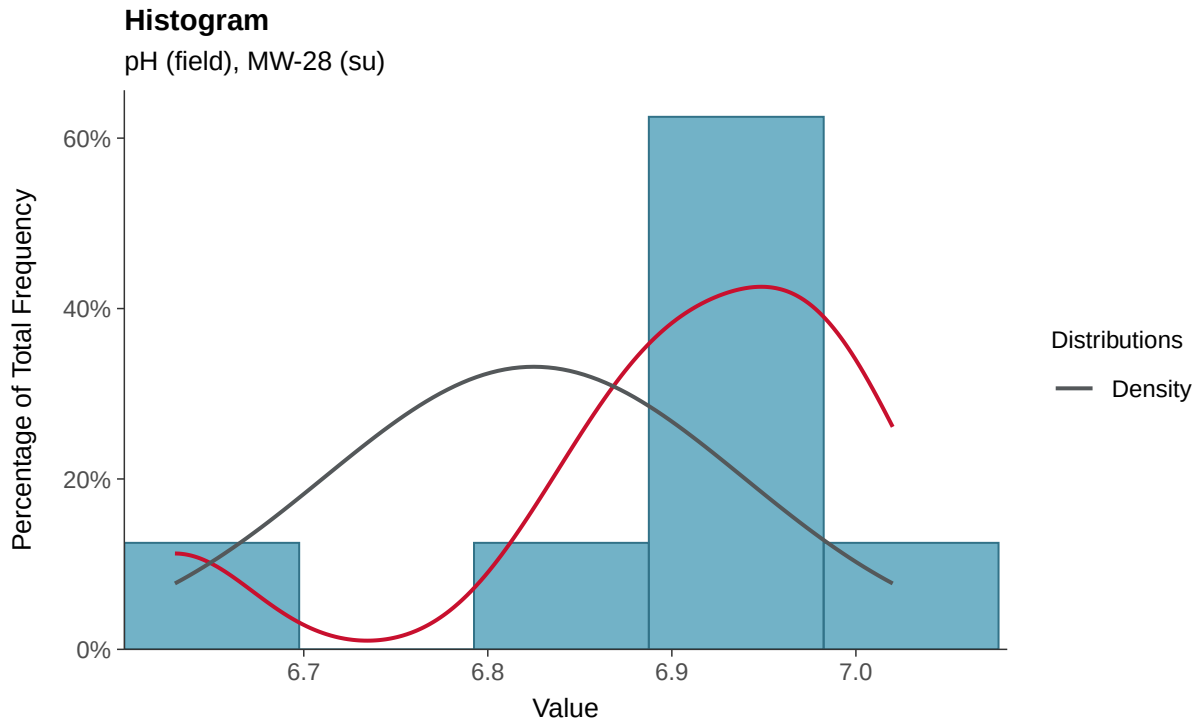
Fluoride, MW-28 (mg/L)



Appendix III: pH (field), MW-28

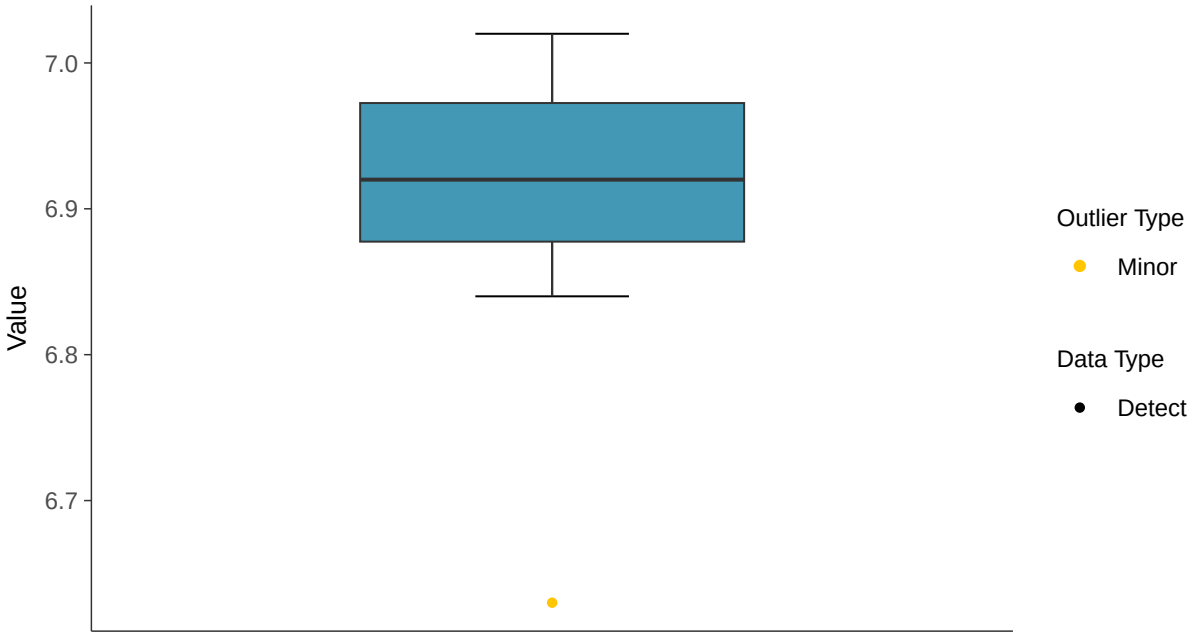
ID: 38_1_3_120





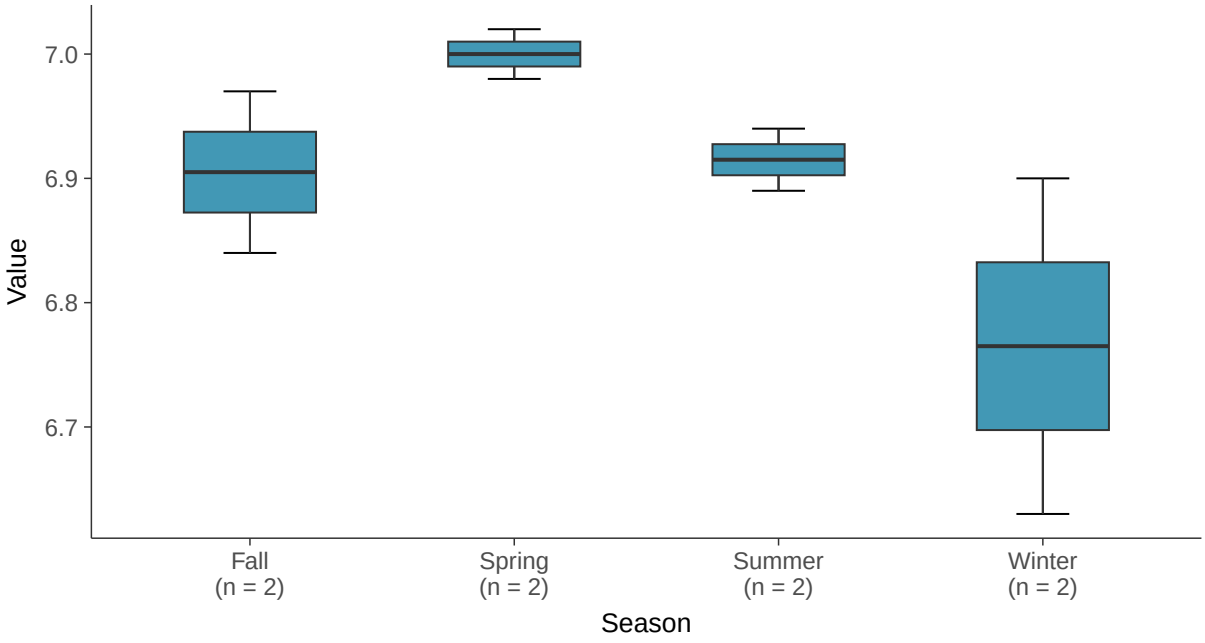
Boxplot

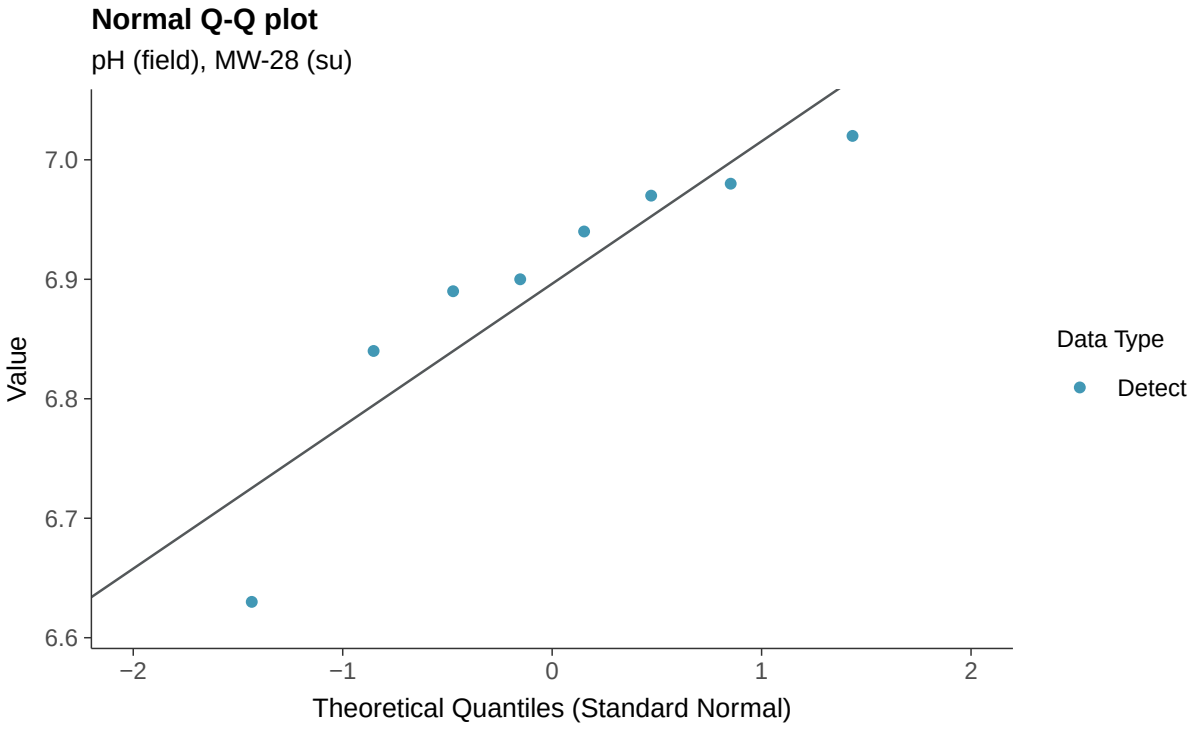
pH (field), MW-28 (su)

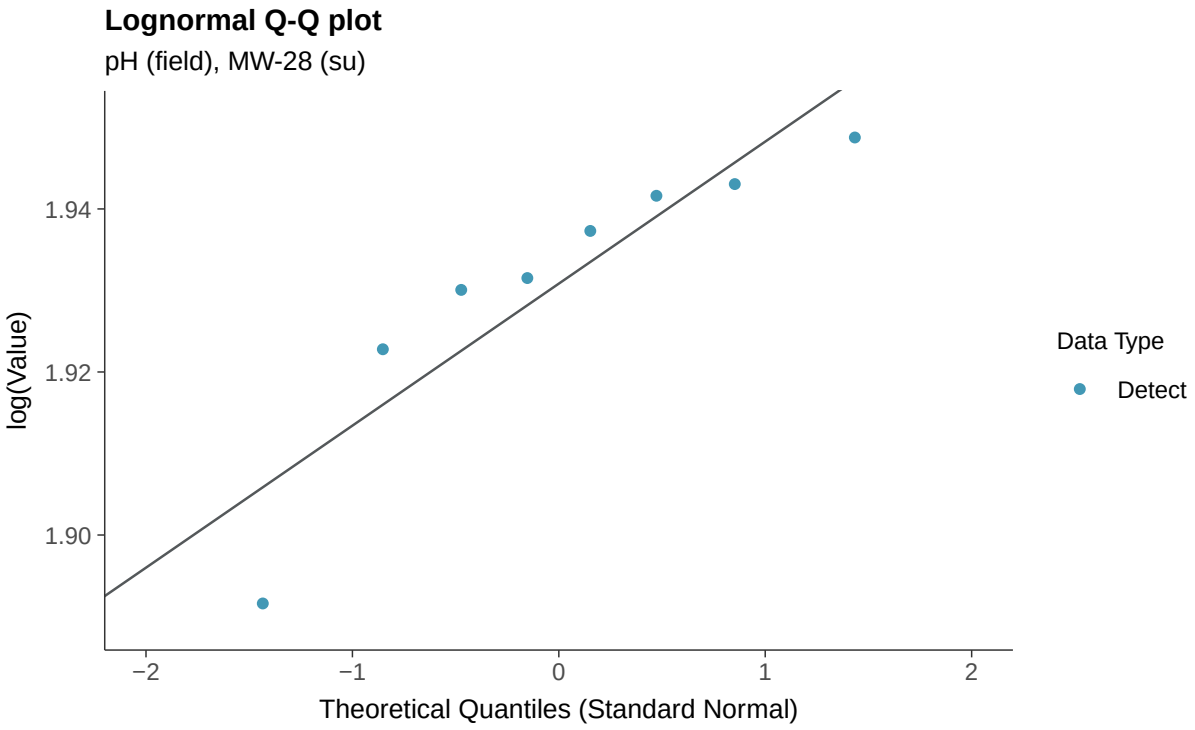


Boxplot by Season

pH (field), MW-28 (su)

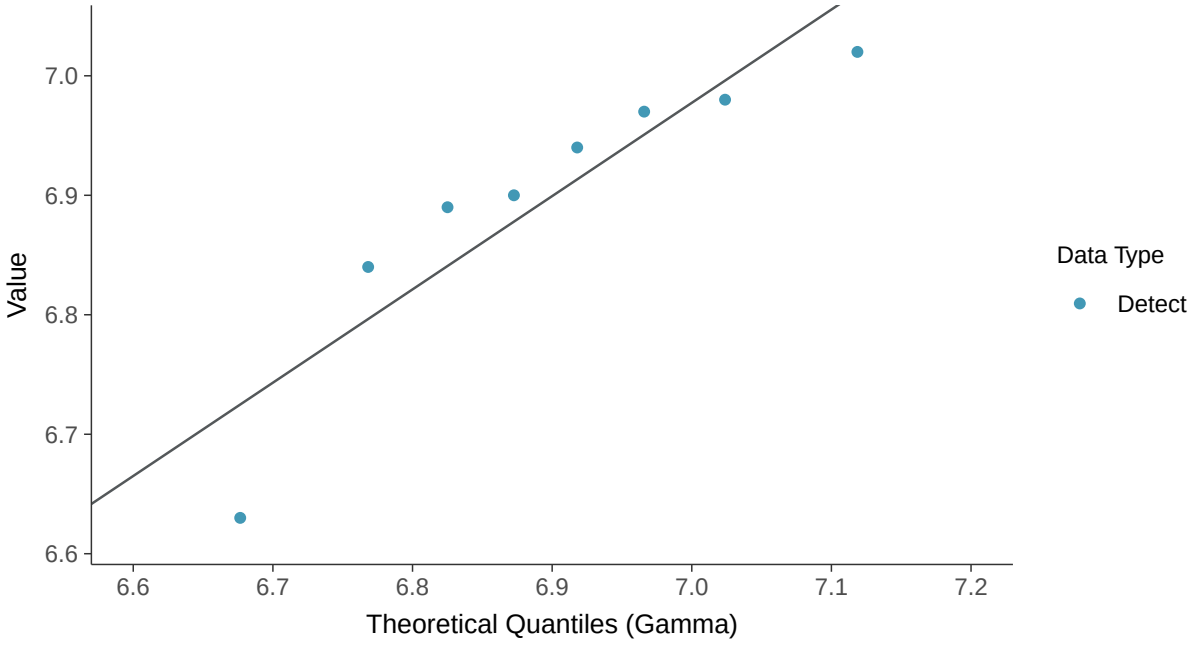



Normal Q-Q plot
pH (field), MW-28 (su)
Value
7.0
6.9
6.8
6.7
6.6
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
pH (field), MW-28 (su)
log(Value)
1.94
1.92
1.90
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

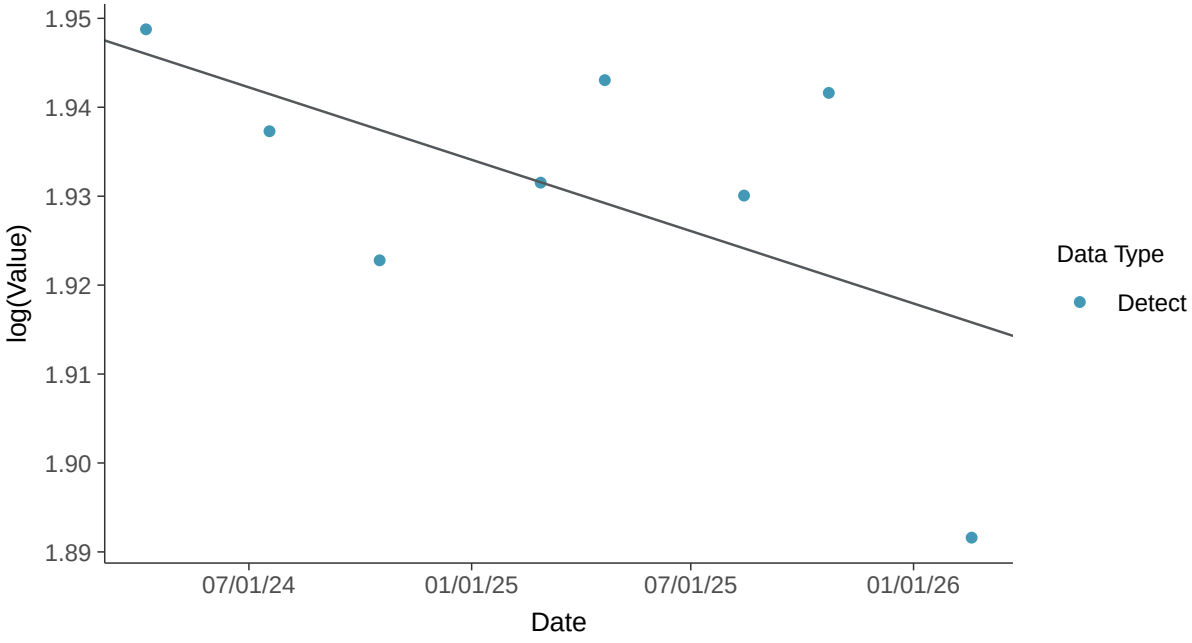
Gamma Q-Q plot

pH (field), MW-28 (su)



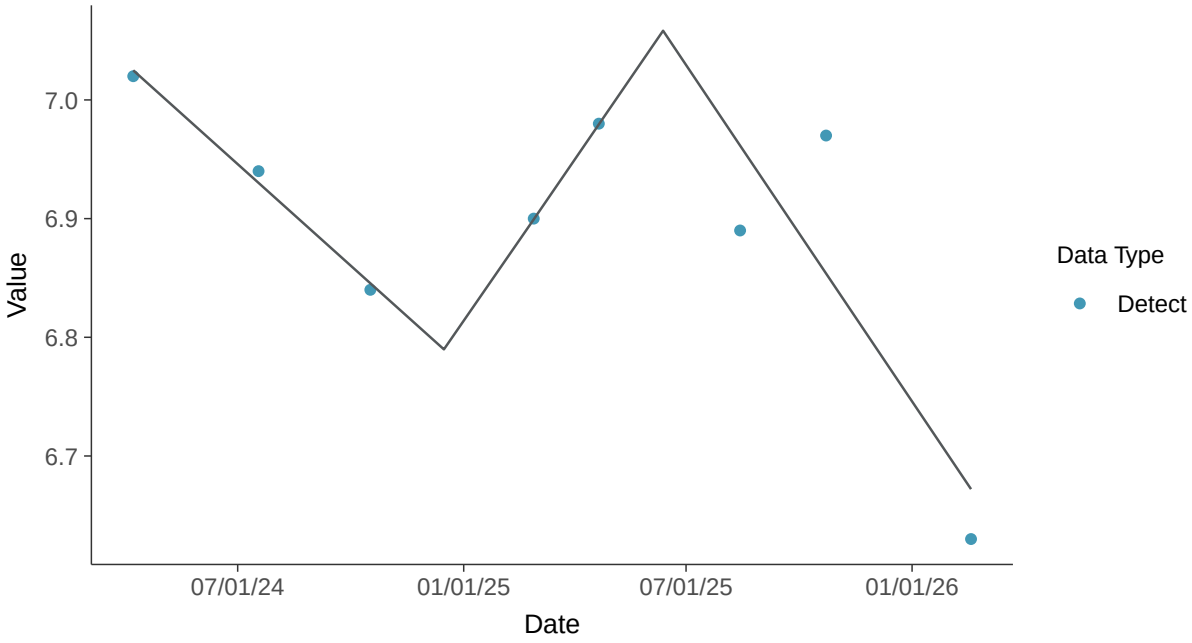
Trend Regression: Lognormal MLE

pH (field), MW-28 (su)



Trend Regression: Piecewise Linear-Linear-Linear

pH (field), MW-28 (su)

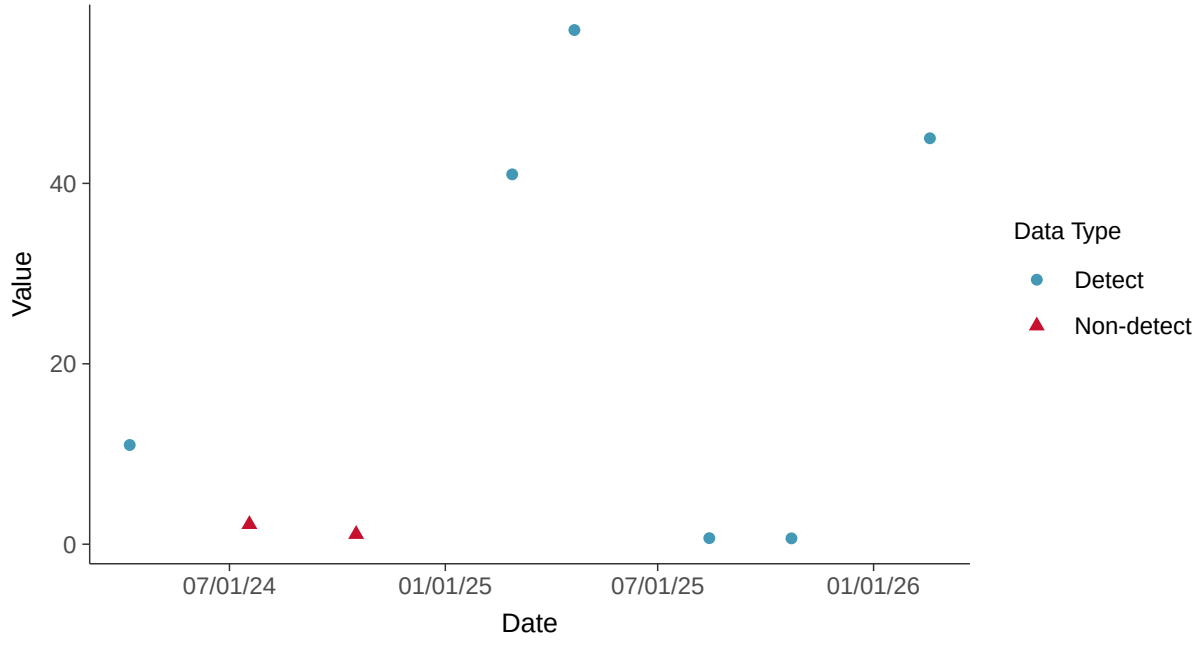


Appendix III: Sulfate (as SO4), MW-28

ID: 38_1_3_124

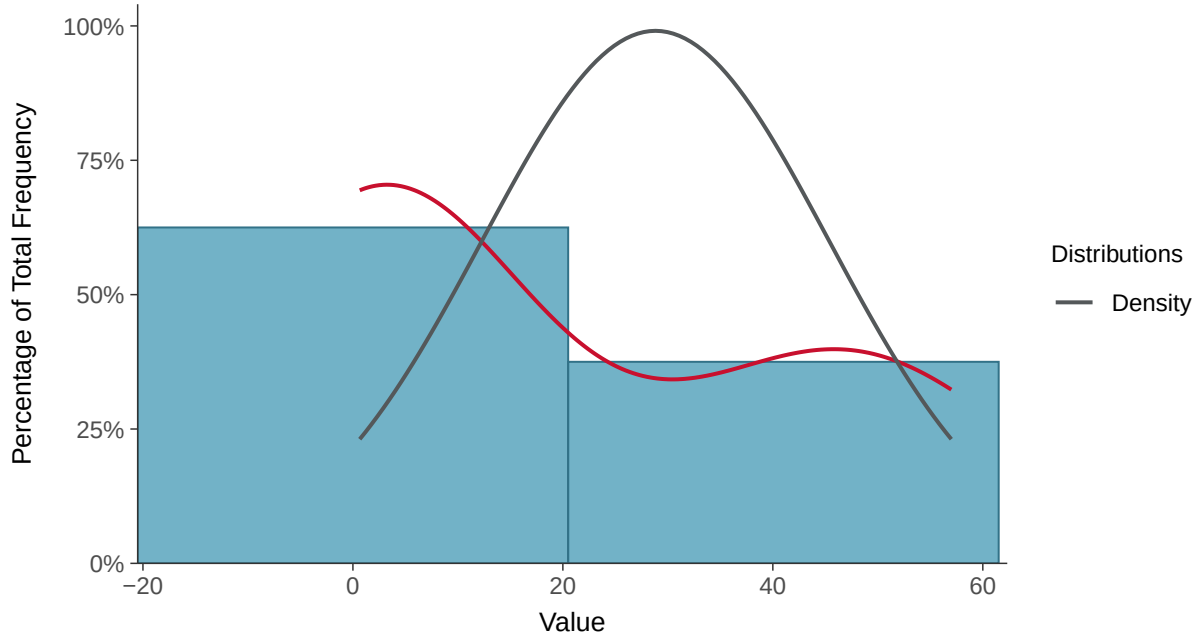
Scatter Plot

Sulfate (as SO4), MW-28 (mg/L)



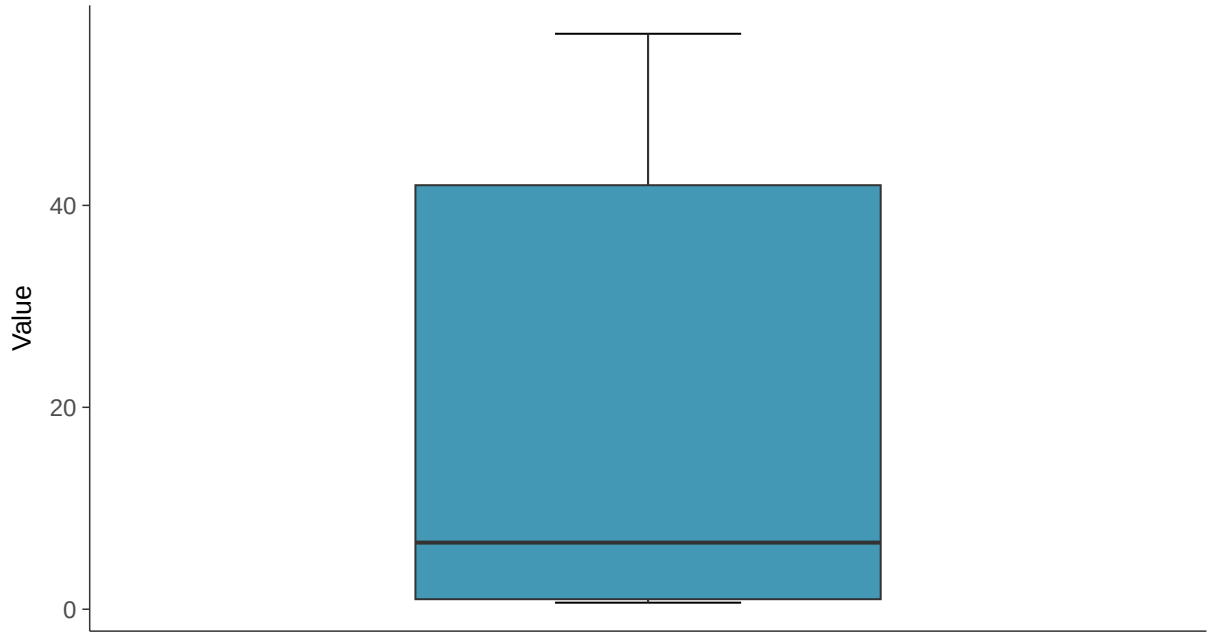
Histogram

Sulfate (as SO4), MW-28 (mg/L)



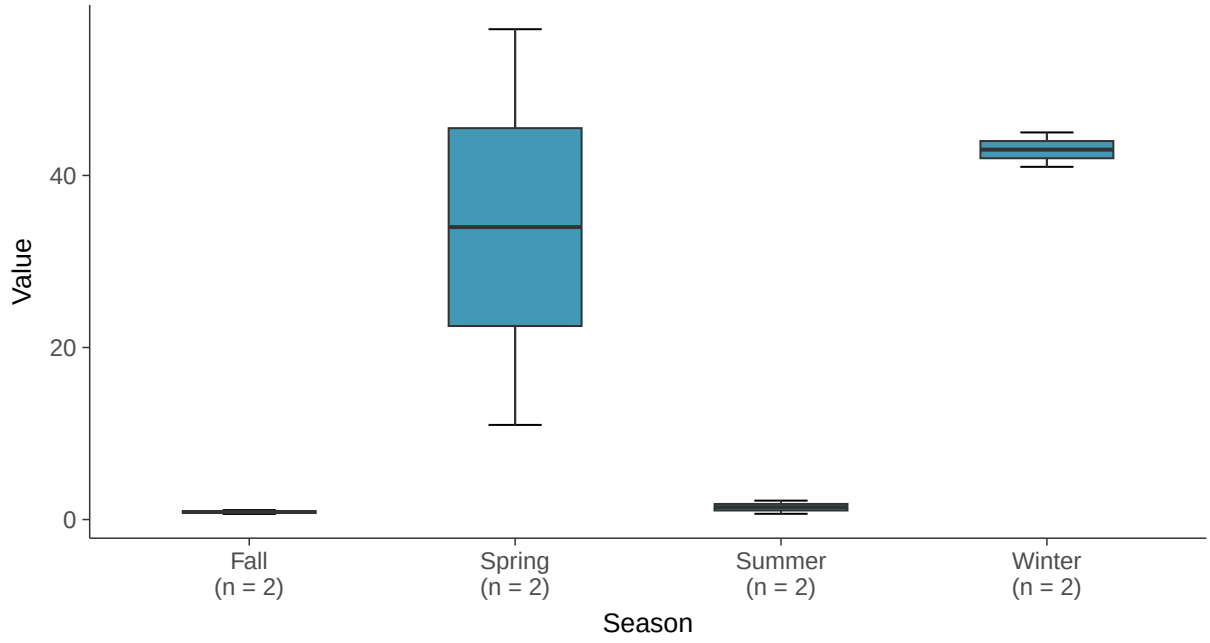
Boxplot

Sulfate (as SO4), MW-28 (mg/L)



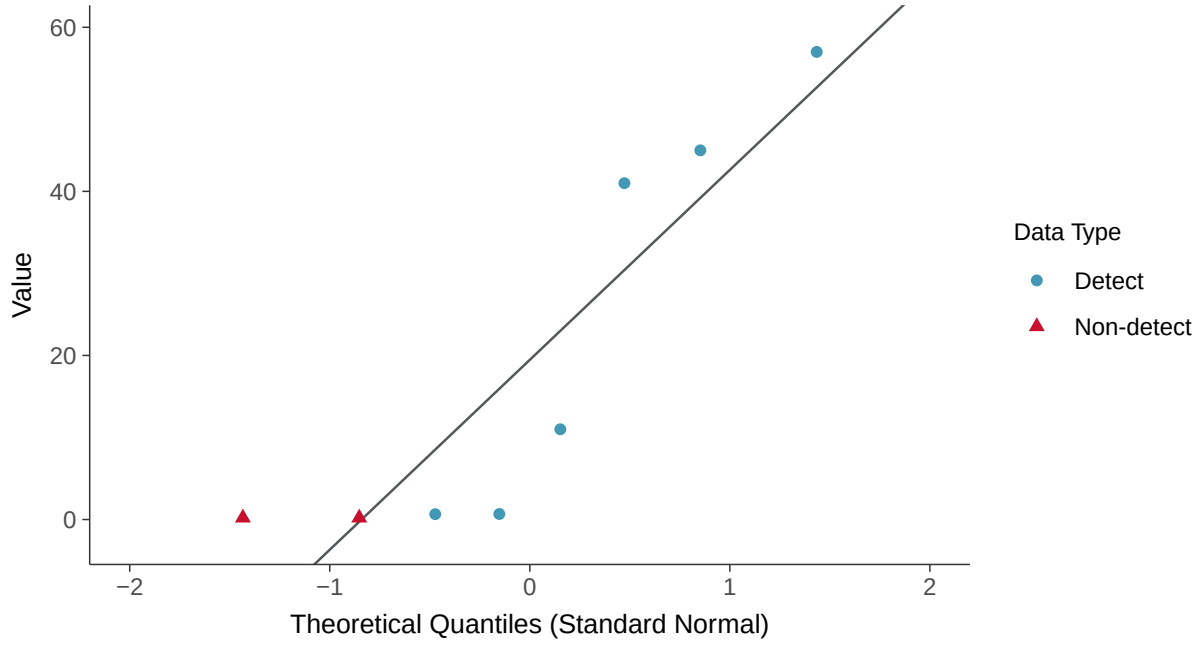
Boxplot by Season

Sulfate (as SO4), MW-28 (mg/L)



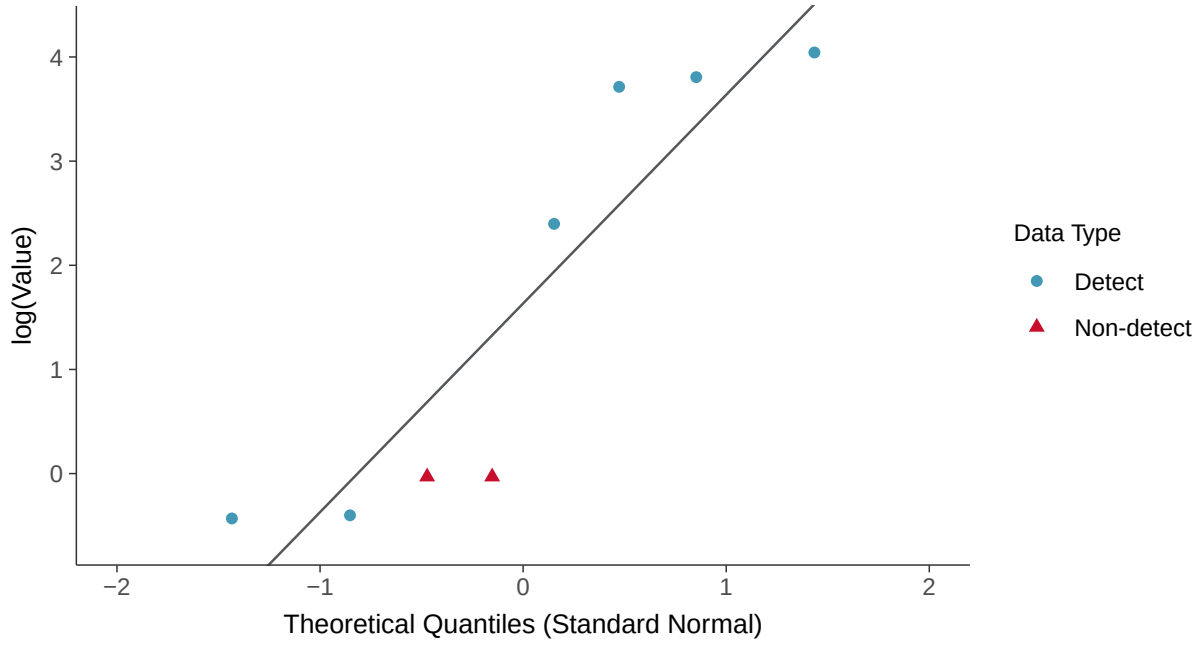
Normal Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-28 (mg/L)



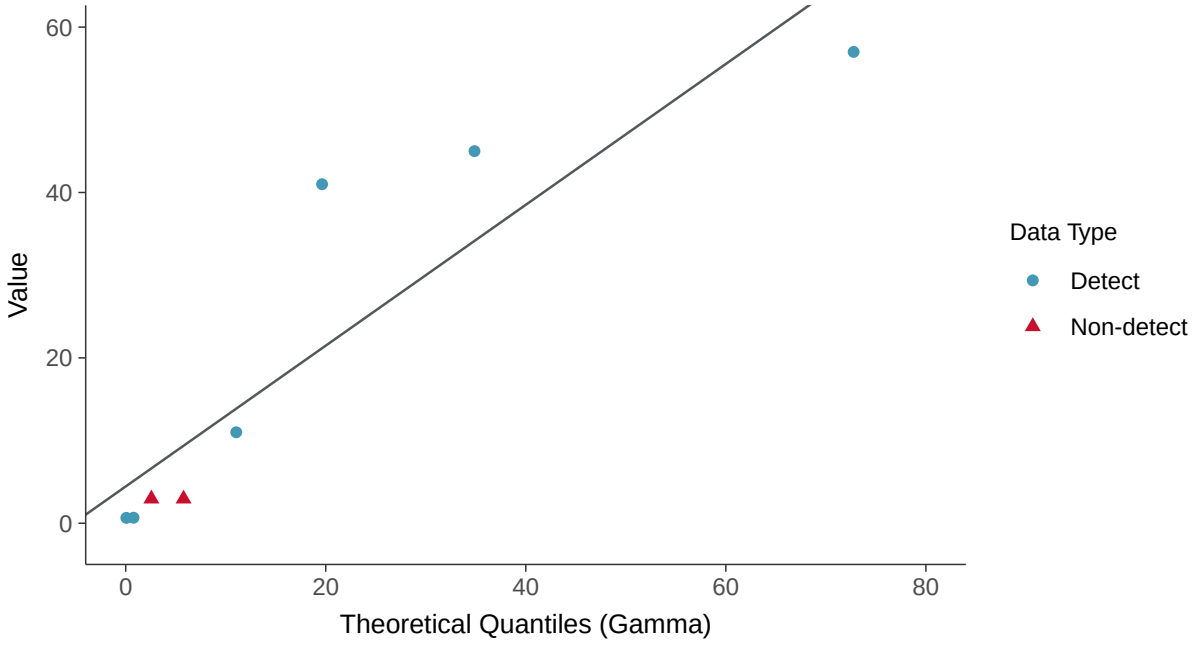
Lognormal Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-28 (mg/L)



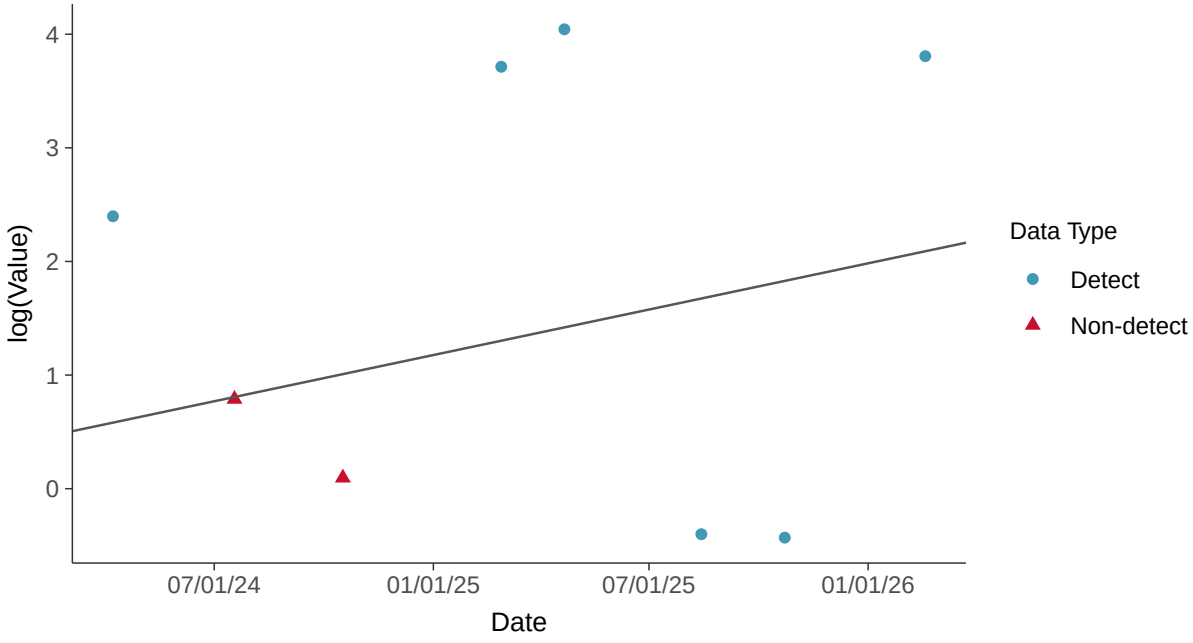
Gamma Q-Q plot using ROS Imputed Estimates

Sulfate (as SO4), MW-28 (mg/L)



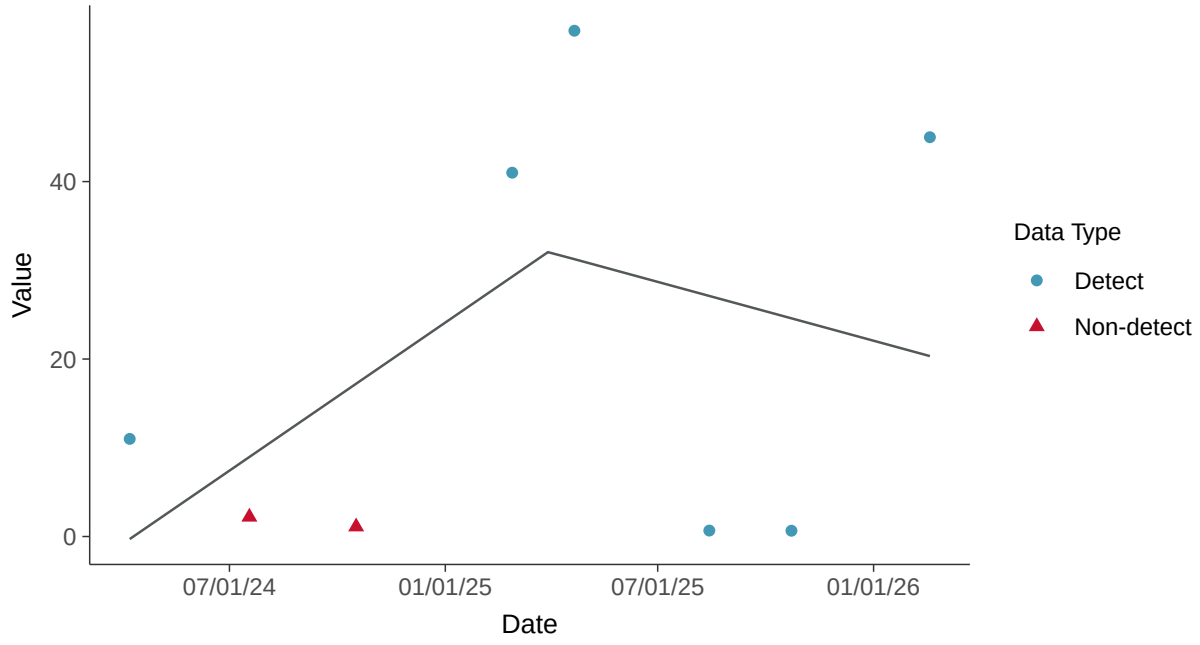
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-28 (mg/L)



Trend Regression: Piecewise Linear-Linear

Sulfate (as SO4), MW-28 (mg/L)

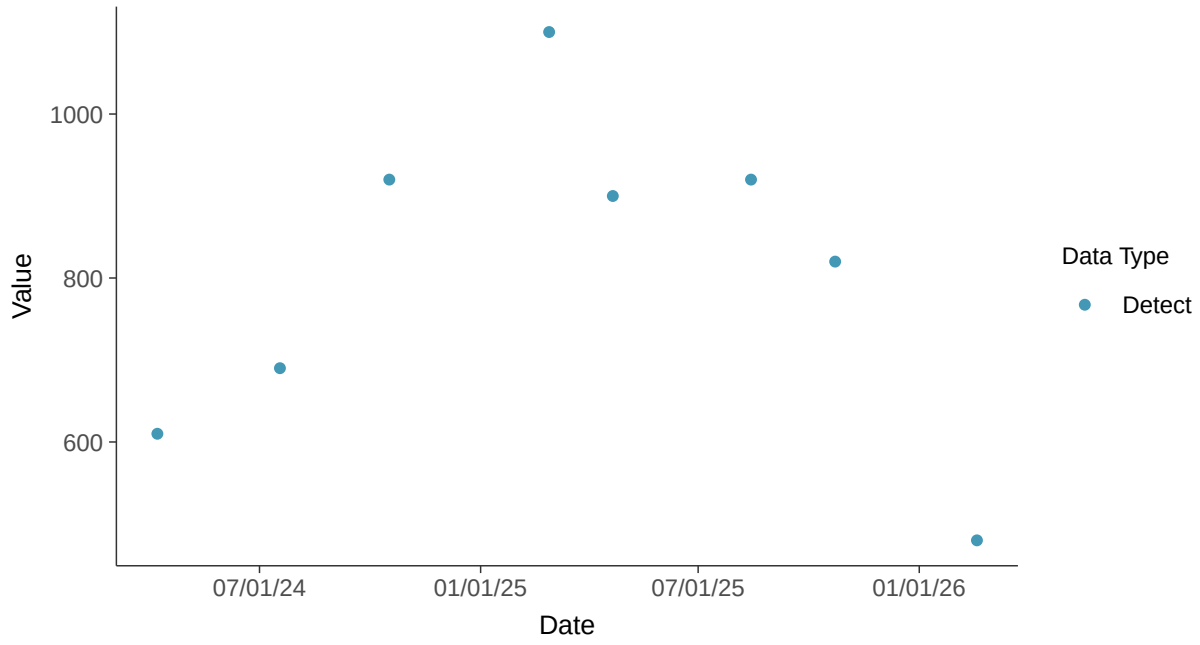


Appendix III: Total Dissolved Solids, MW-28

ID: 38_1_3_126

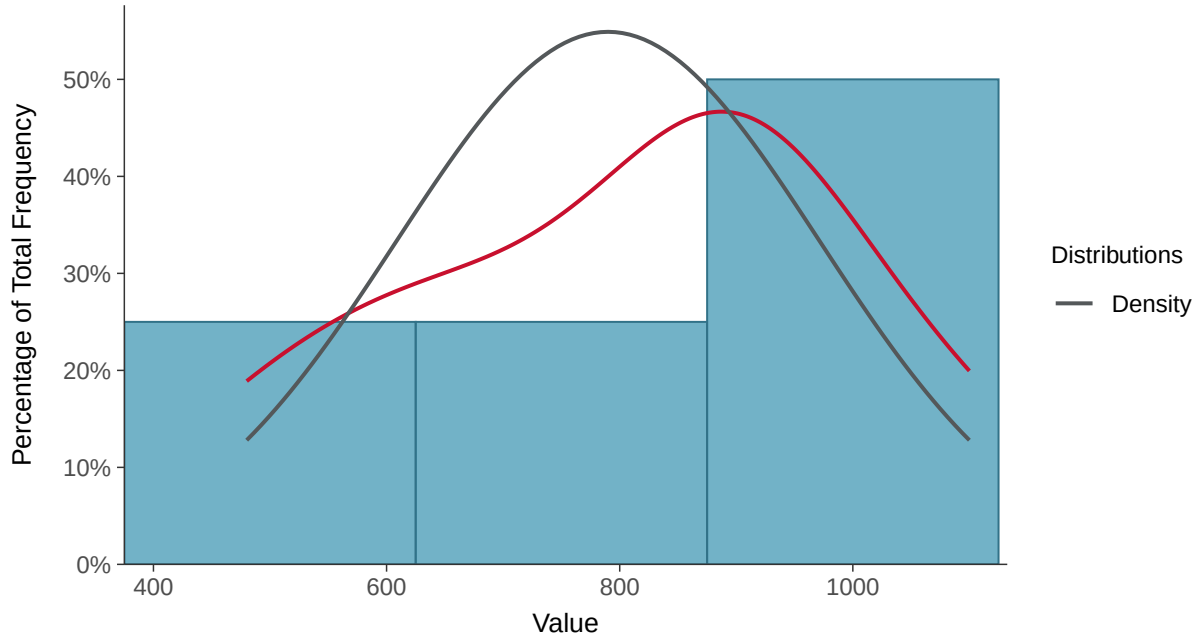
Scatter Plot

Total Dissolved Solids, MW-28 (mg/L)



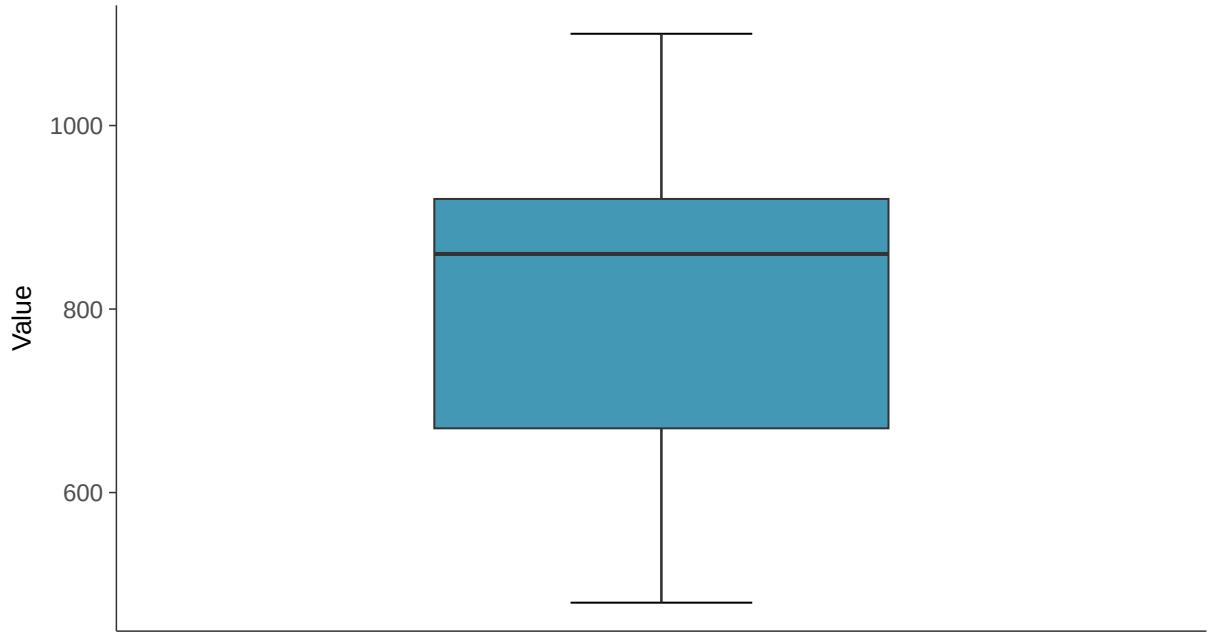
Histogram

Total Dissolved Solids, MW-28 (mg/L)



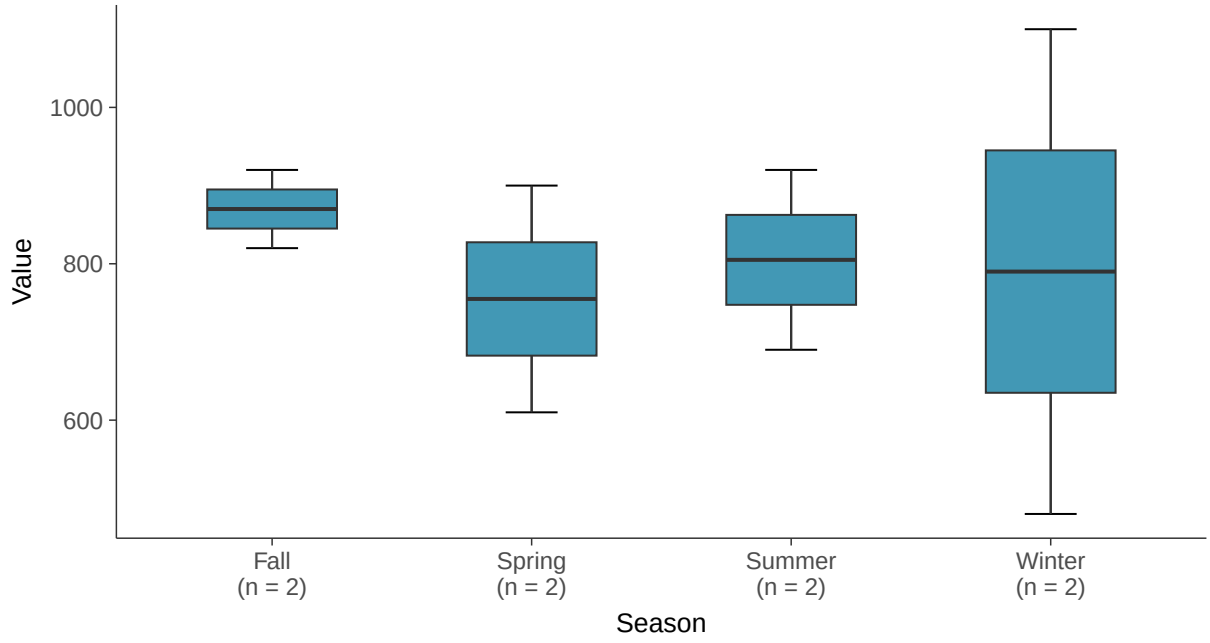
Boxplot

Total Dissolved Solids, MW-28 (mg/L)



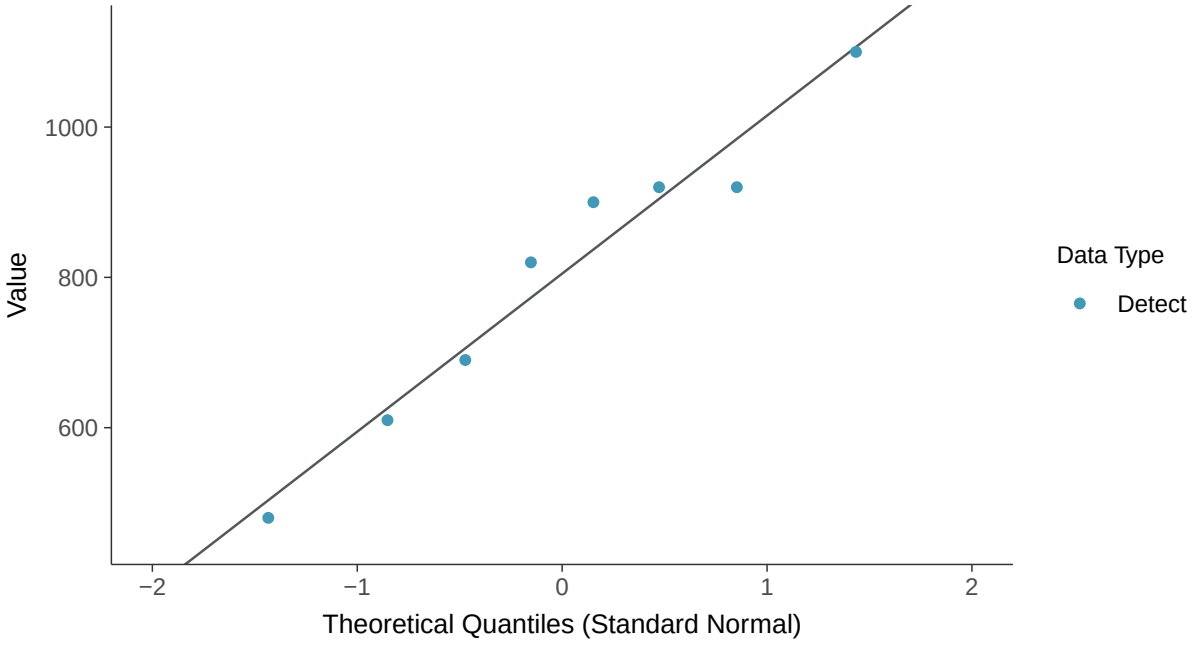
Boxplot by Season

Total Dissolved Solids, MW-28 (mg/L)



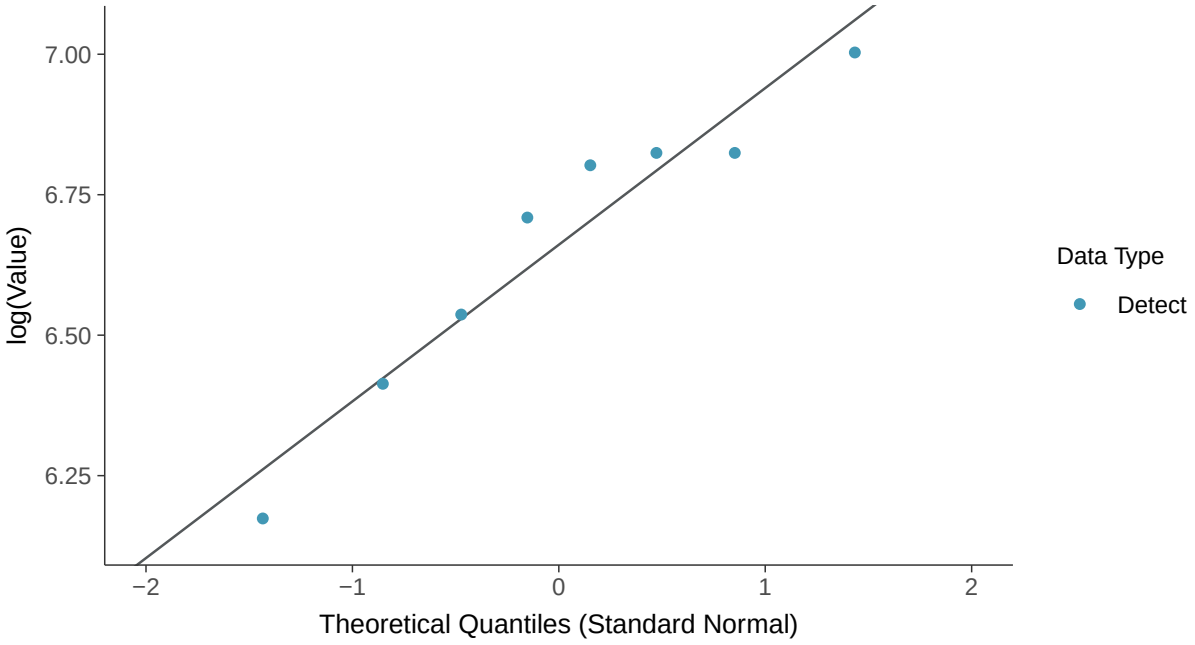
Normal Q-Q plot

Total Dissolved Solids, MW-28 (mg/L)



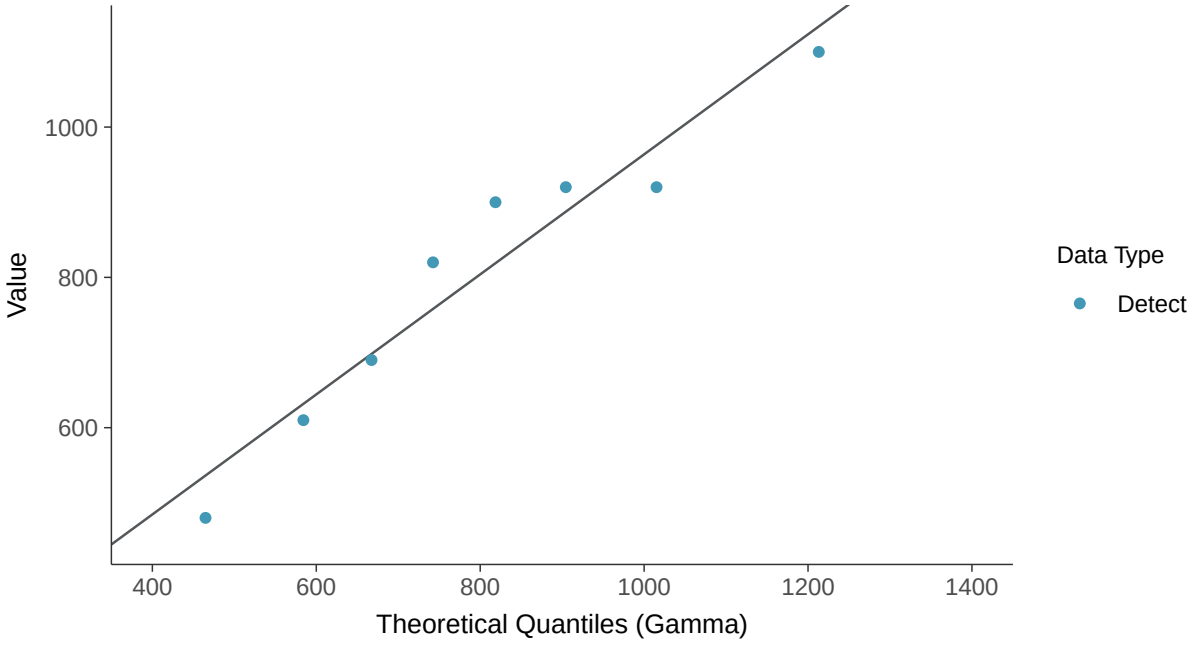
Lognormal Q-Q plot

Total Dissolved Solids, MW-28 (mg/L)



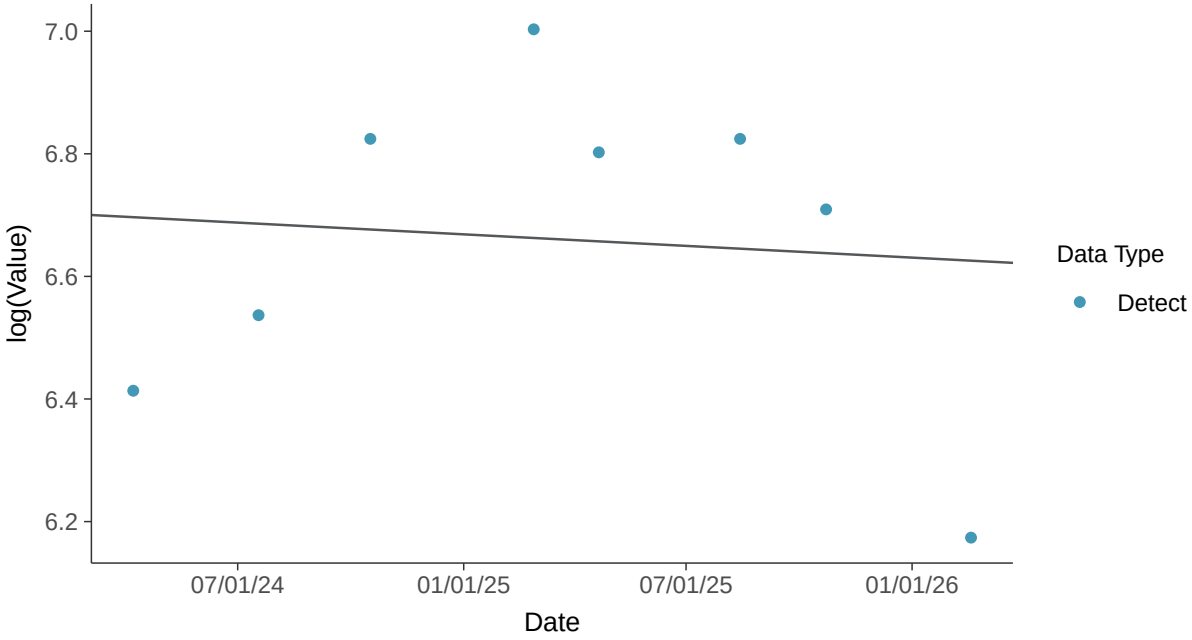
Gamma Q-Q plot

Total Dissolved Solids, MW-28 (mg/L)



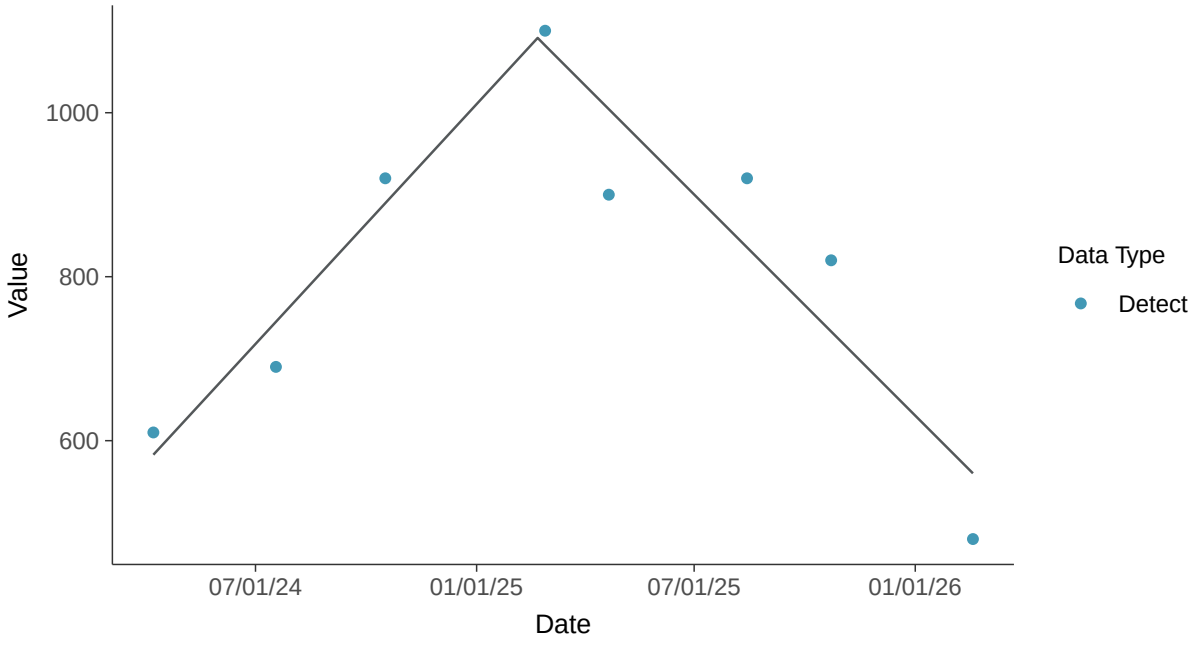
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-28 (mg/L)



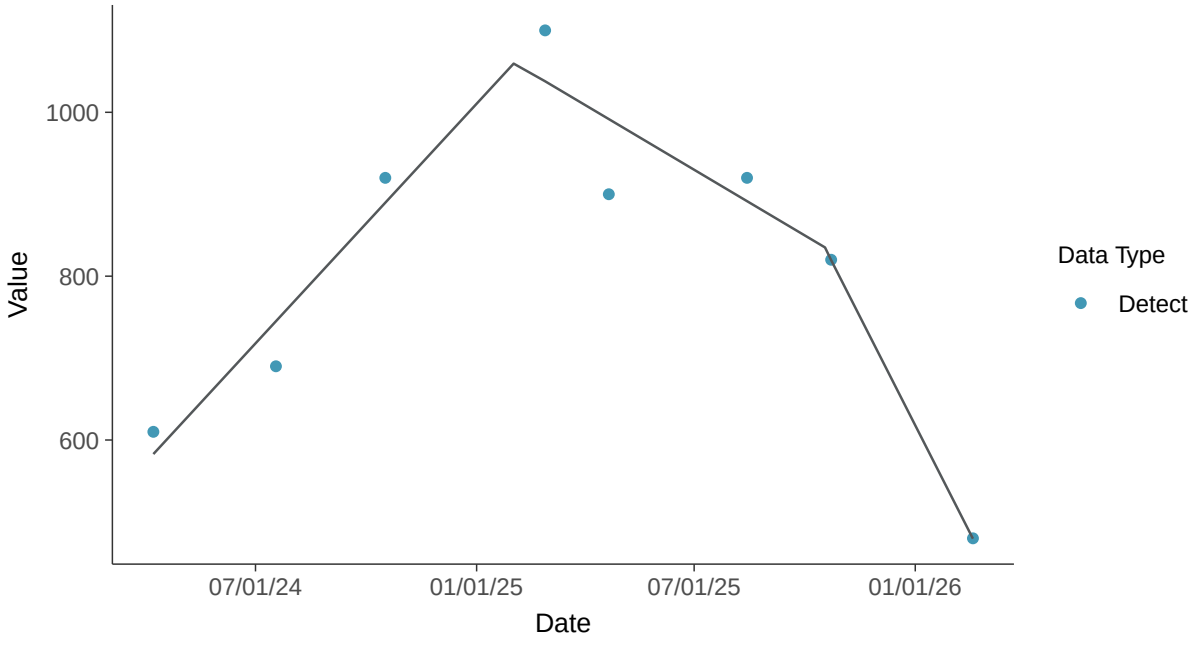
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-28 (mg/L)



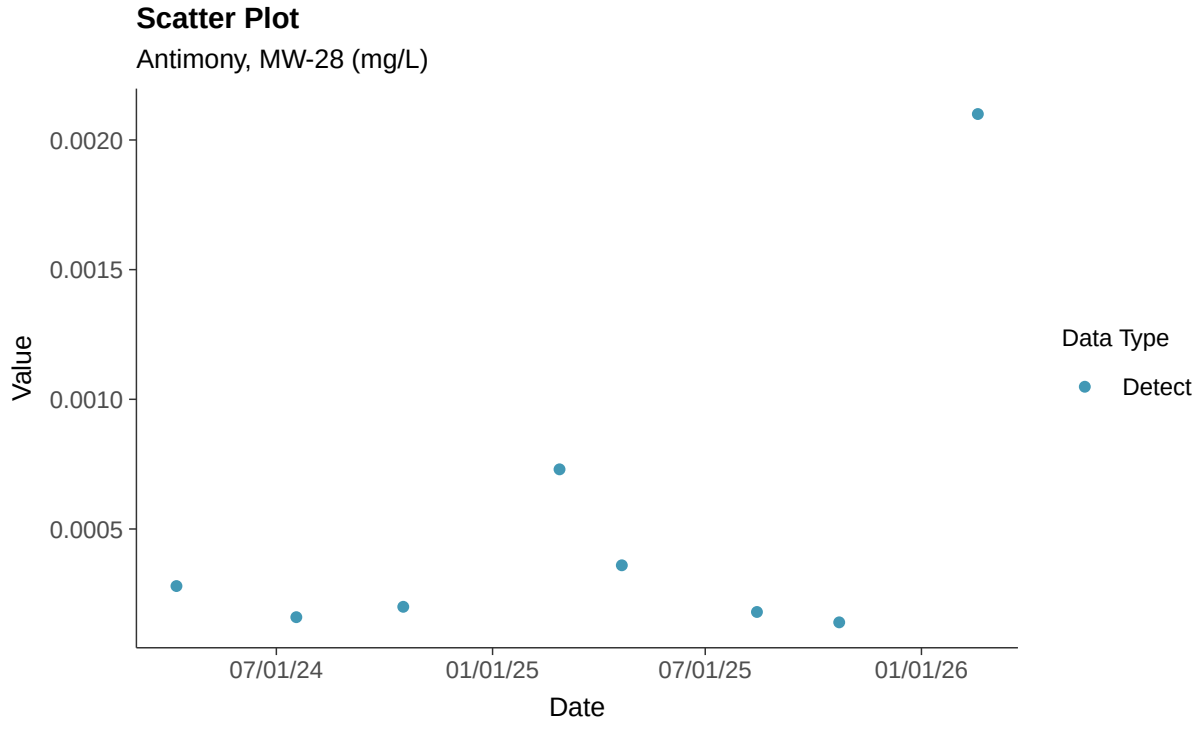
Trend Regression: Piecewise Linear-Linear-Linear

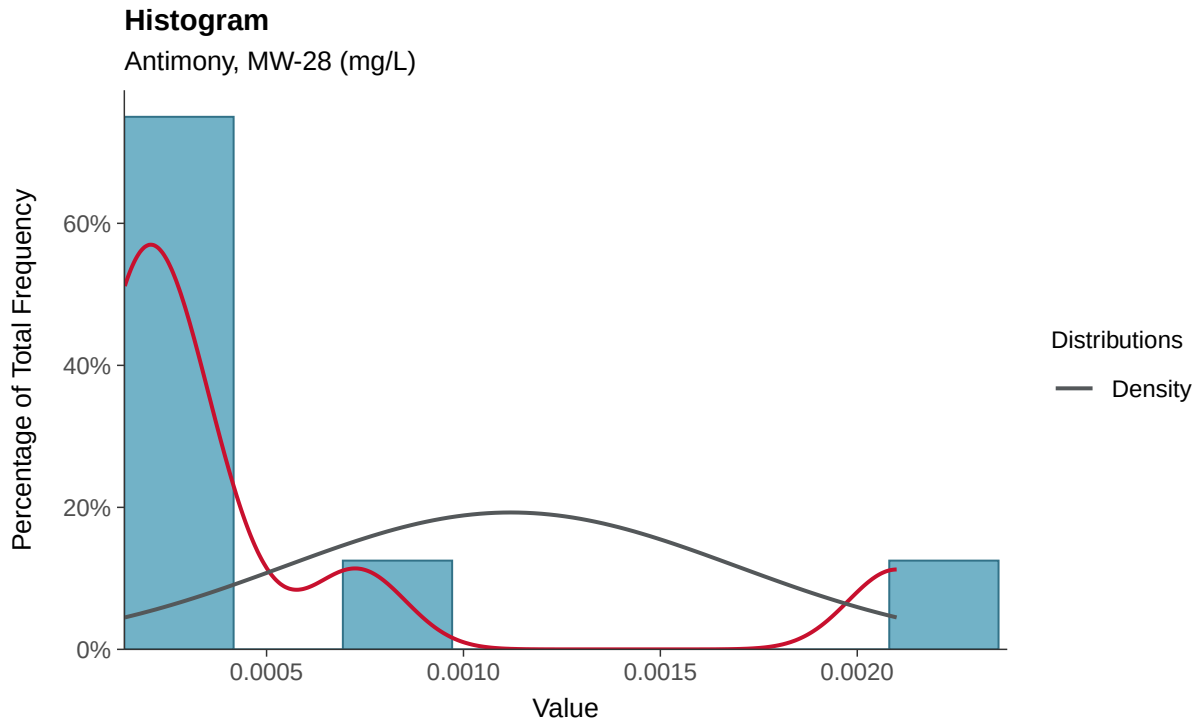
Total Dissolved Solids, MW-28 (mg/L)



Appendix IV: Antimony, MW-28

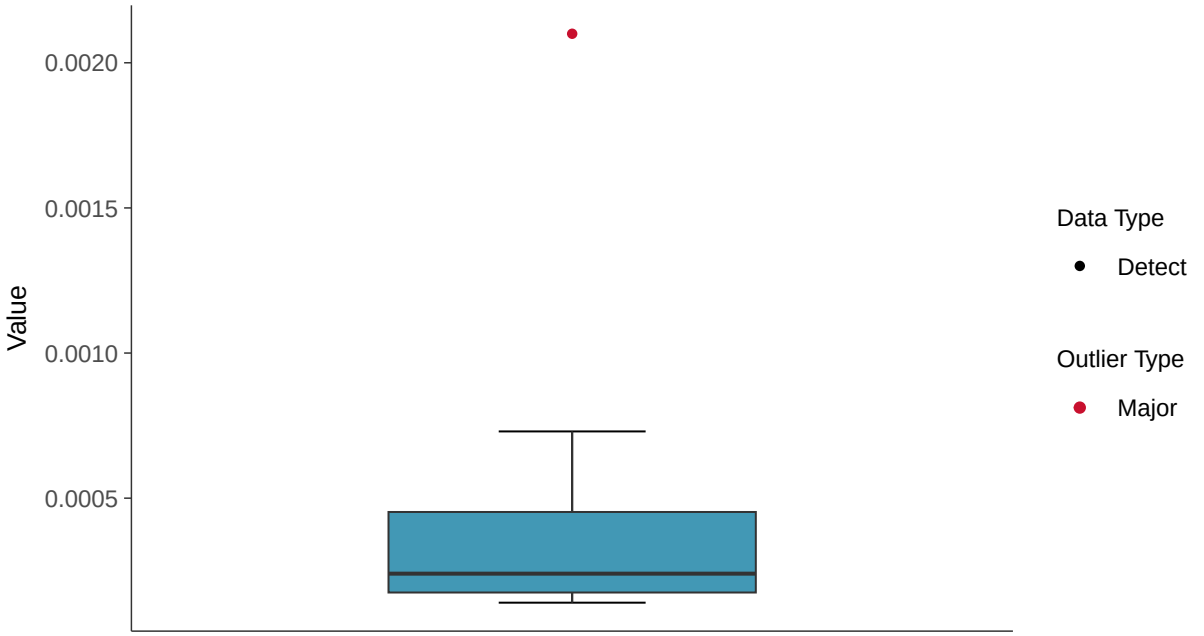
ID: 38_1_4_101





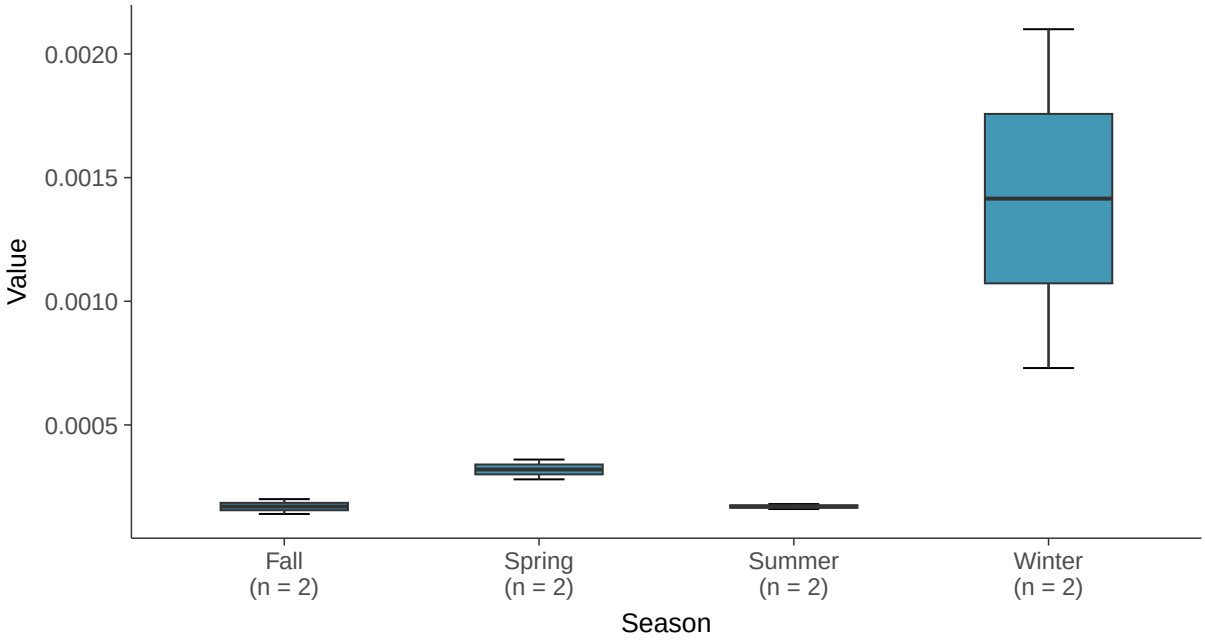
Boxplot

Antimony, MW-28 (mg/L)



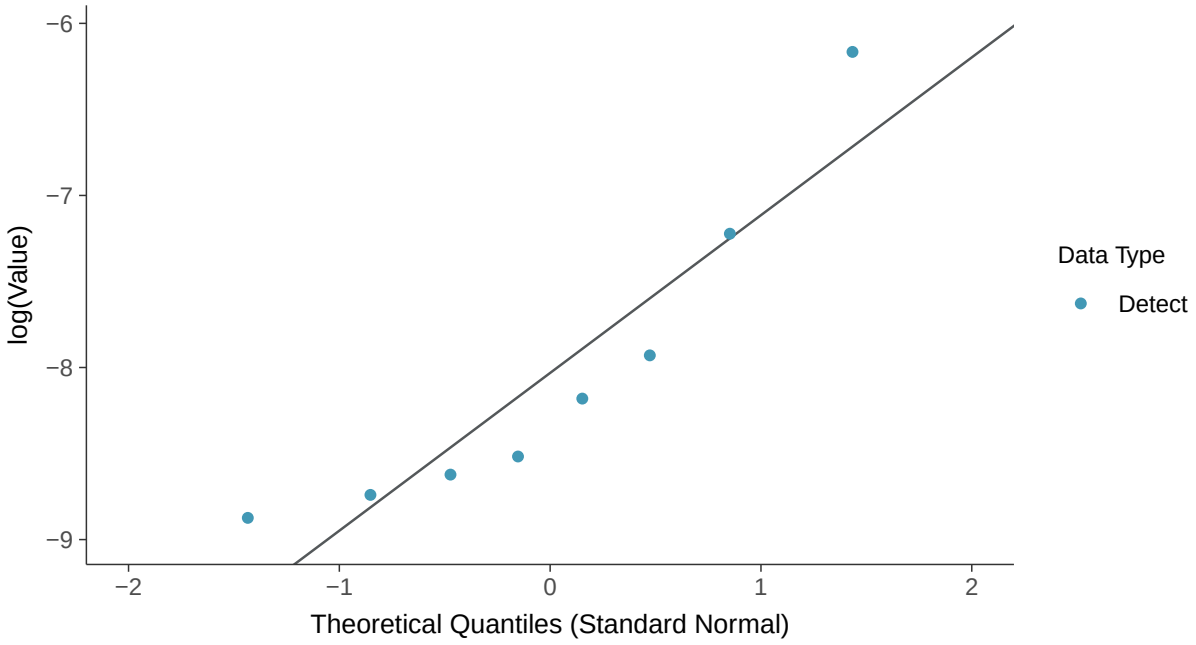
Boxplot by Season

Antimony, MW-28 (mg/L)



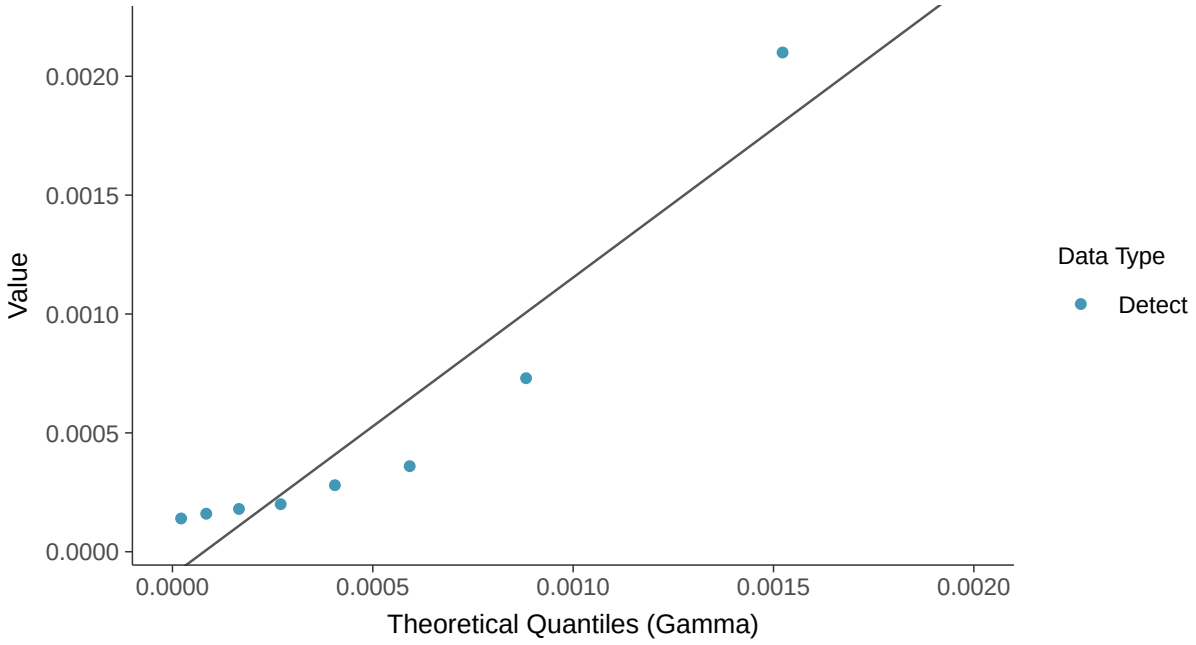
Lognormal Q-Q plot

Antimony, MW-28 (mg/L)



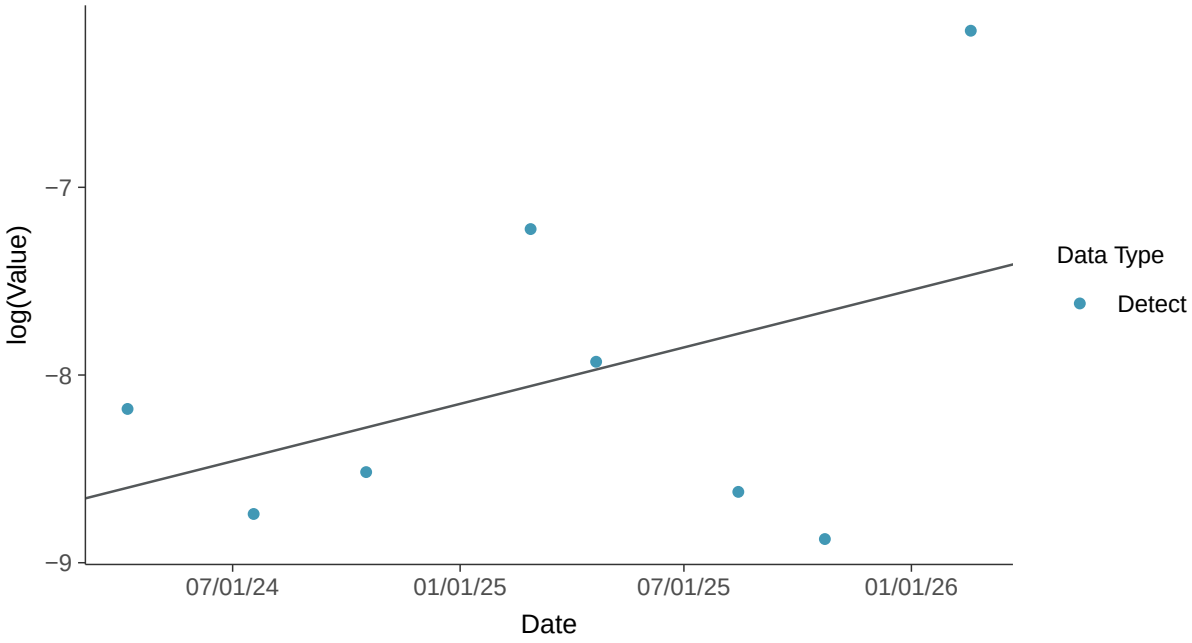
Gamma Q-Q plot

Antimony, MW-28 (mg/L)



Trend Regression: Lognormal MLE

Antimony, MW-28 (mg/L)

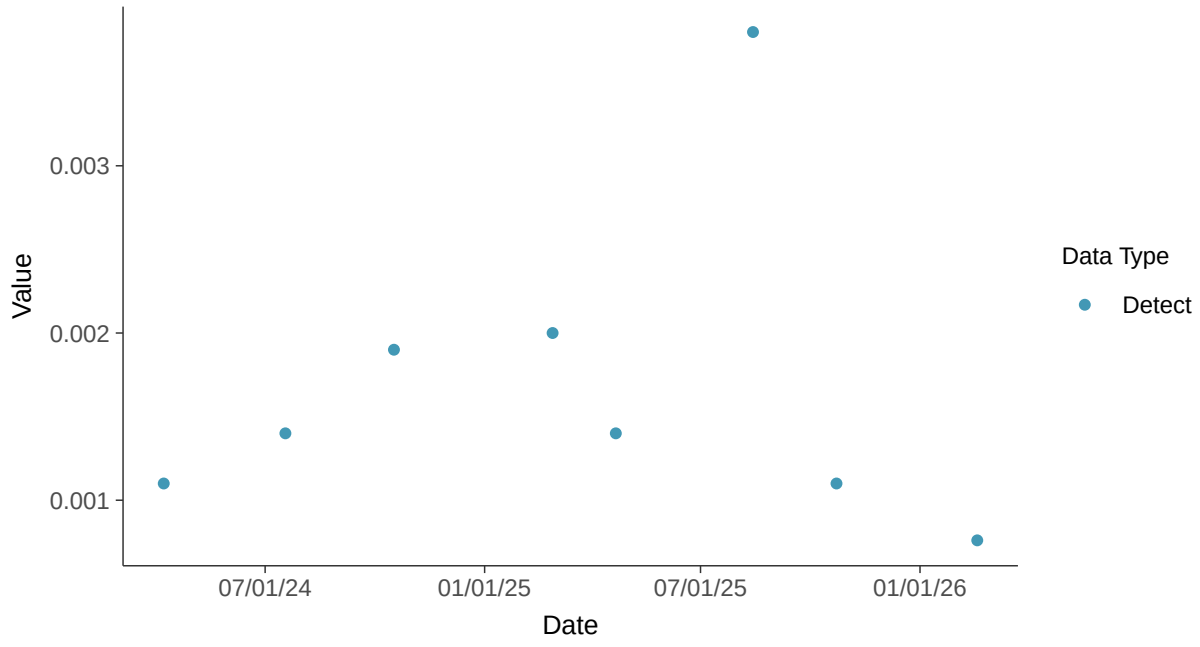


Appendix IV: Arsenic, MW-28

ID: 38_1_4_102

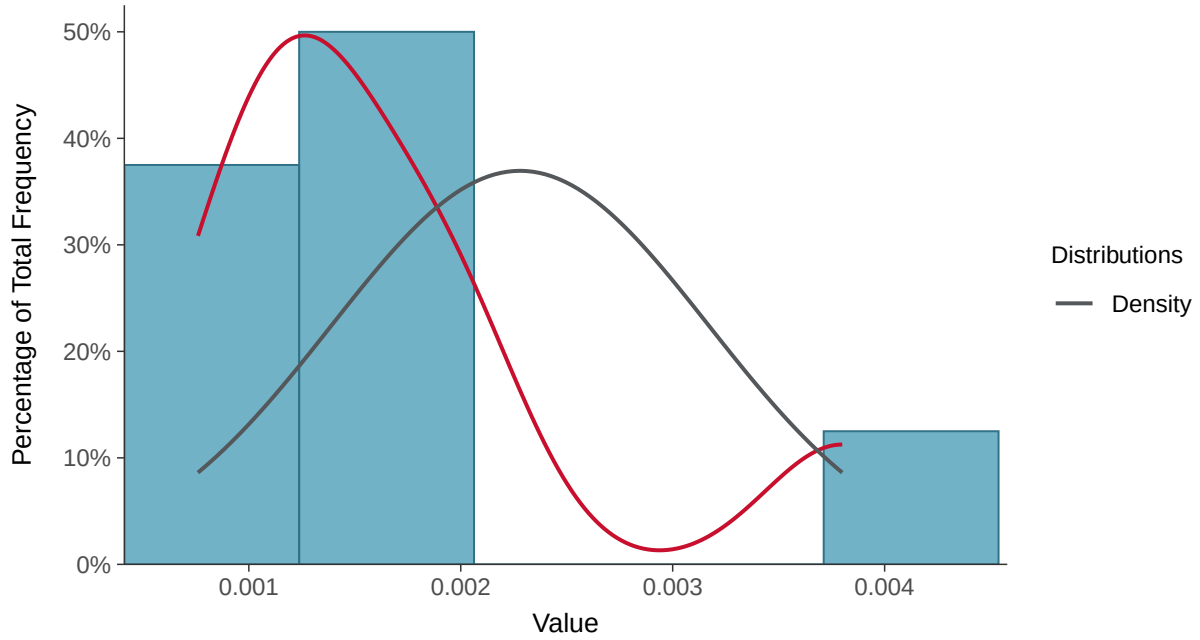
Scatter Plot

Arsenic, MW-28 (mg/L)



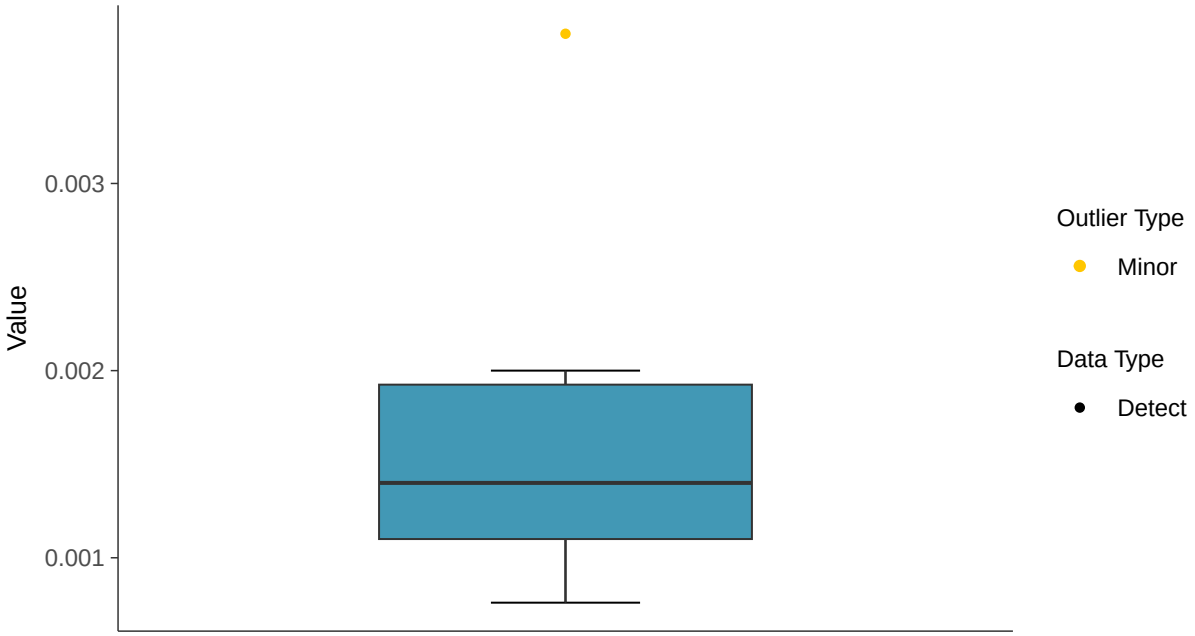
Histogram

Arsenic, MW-28 (mg/L)



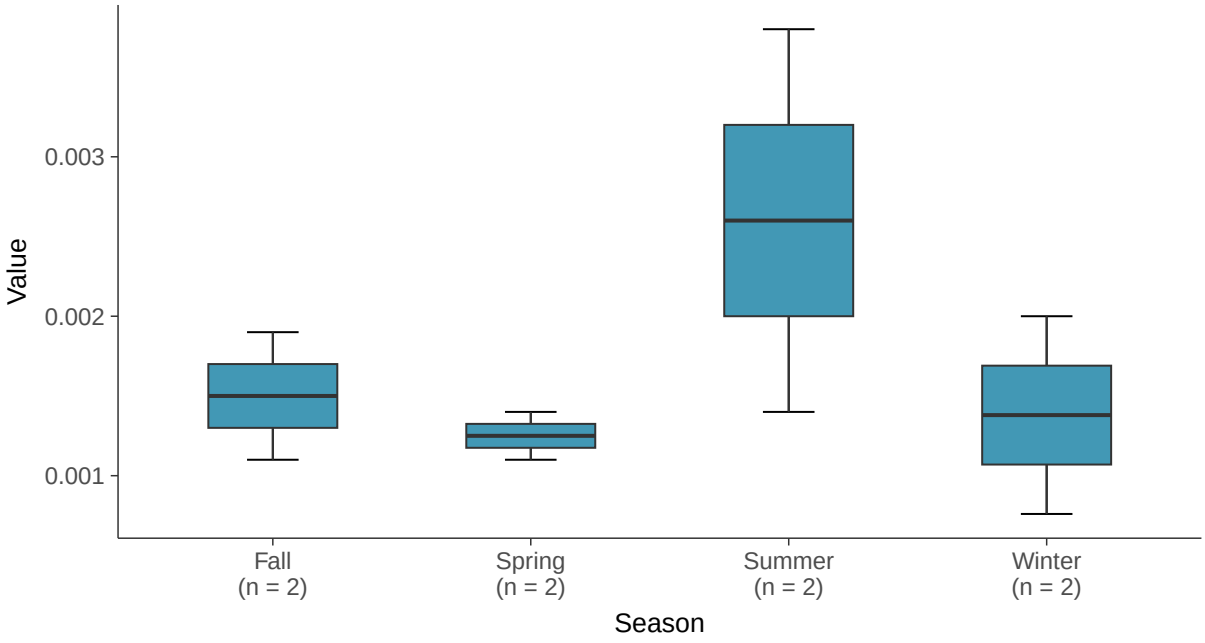
Boxplot

Arsenic, MW-28 (mg/L)



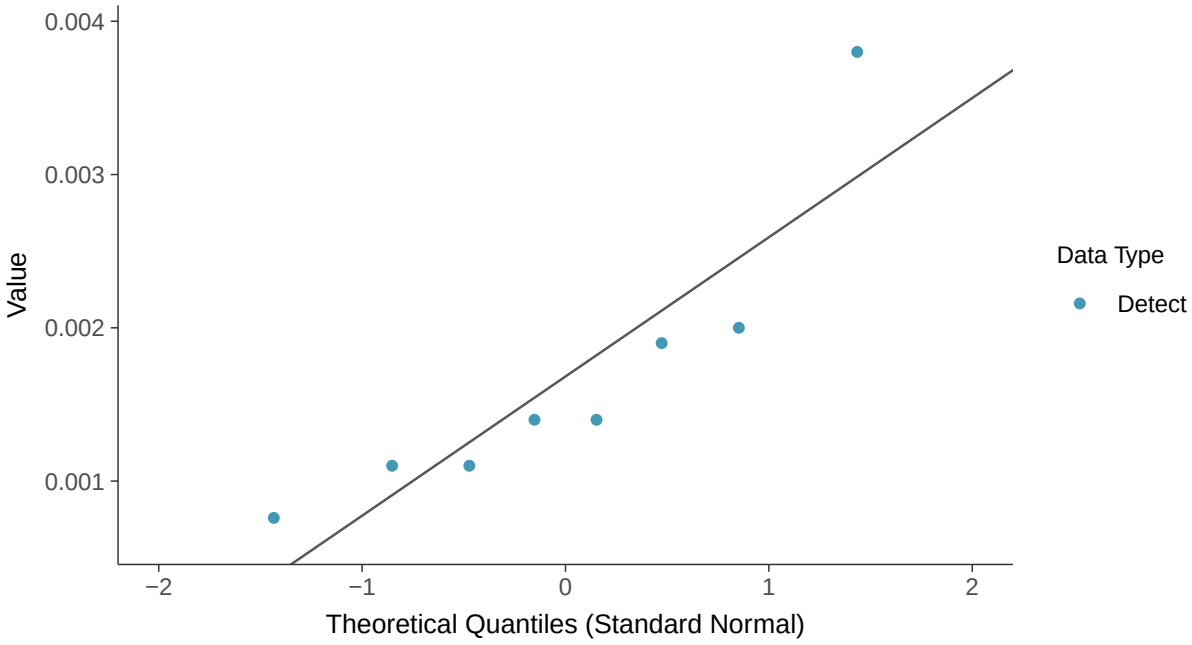
Boxplot by Season

Arsenic, MW-28 (mg/L)



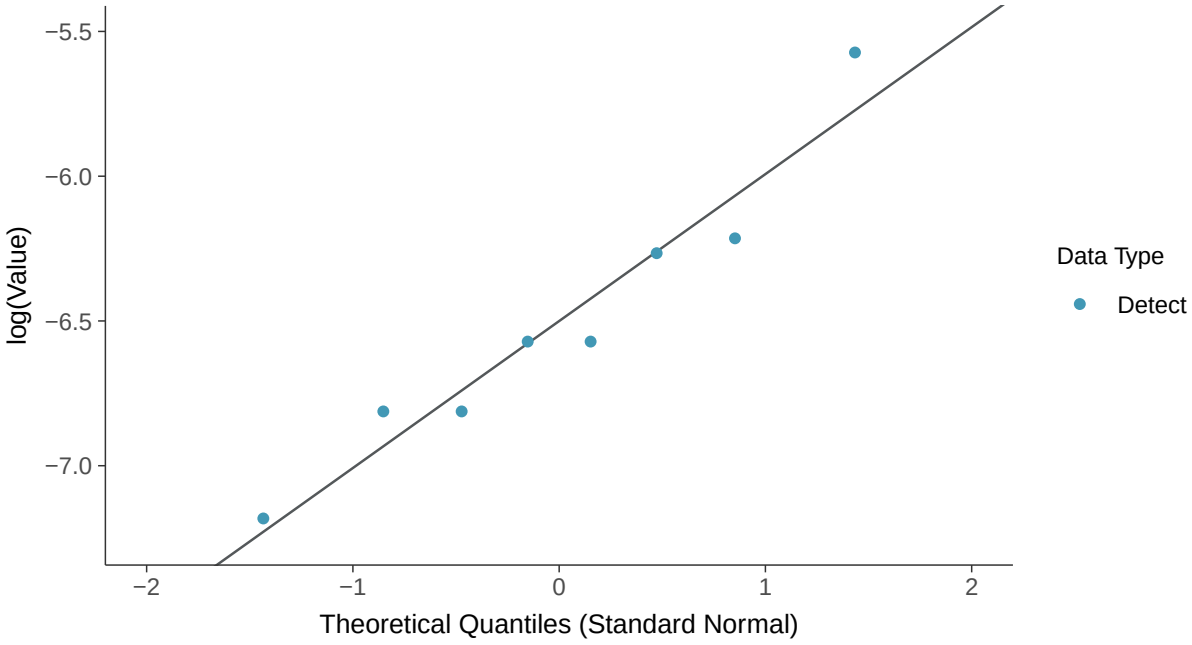
Normal Q-Q plot

Arsenic, MW-28 (mg/L)



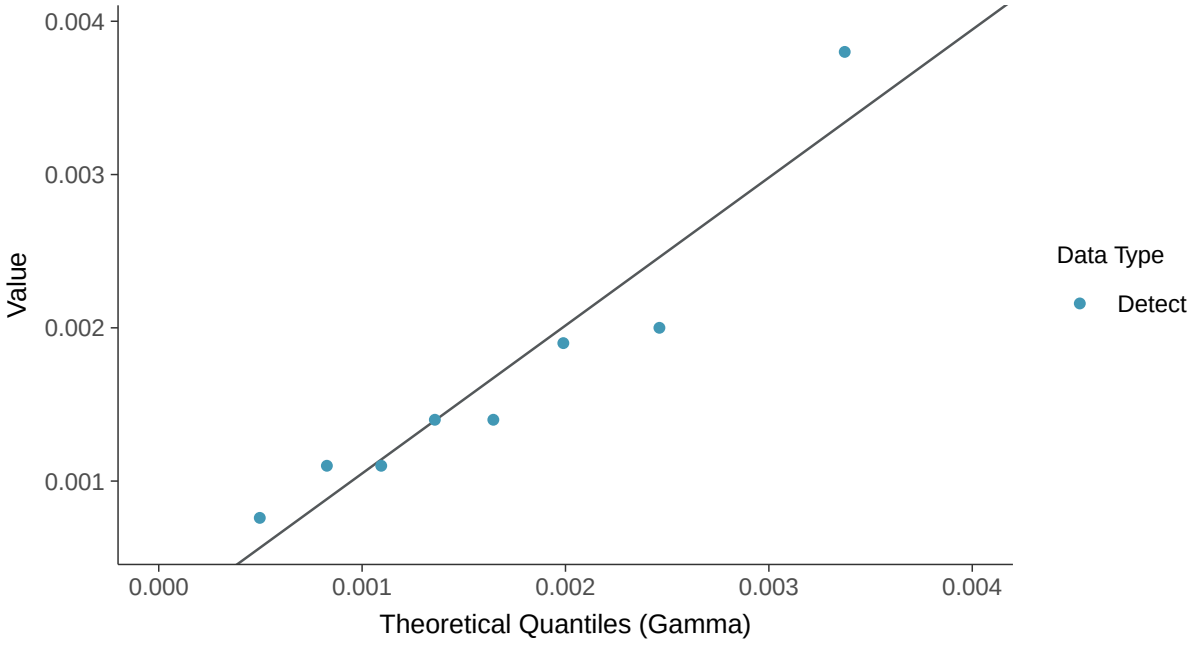
Lognormal Q-Q plot

Arsenic, MW-28 (mg/L)



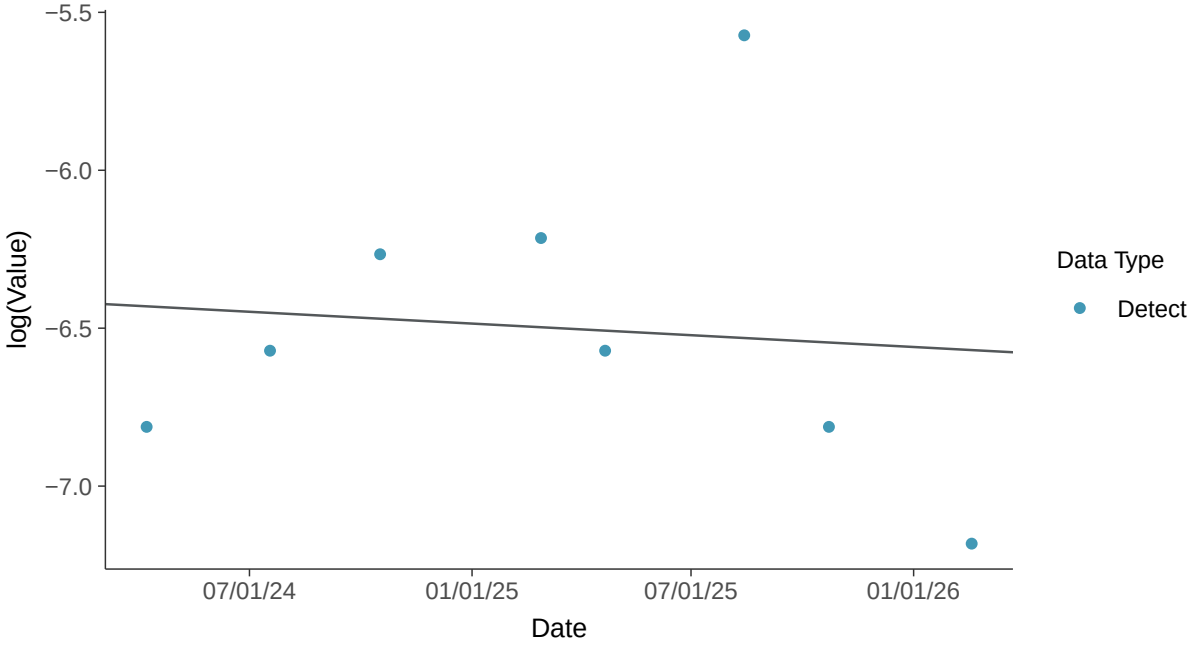
Gamma Q-Q plot

Arsenic, MW-28 (mg/L)



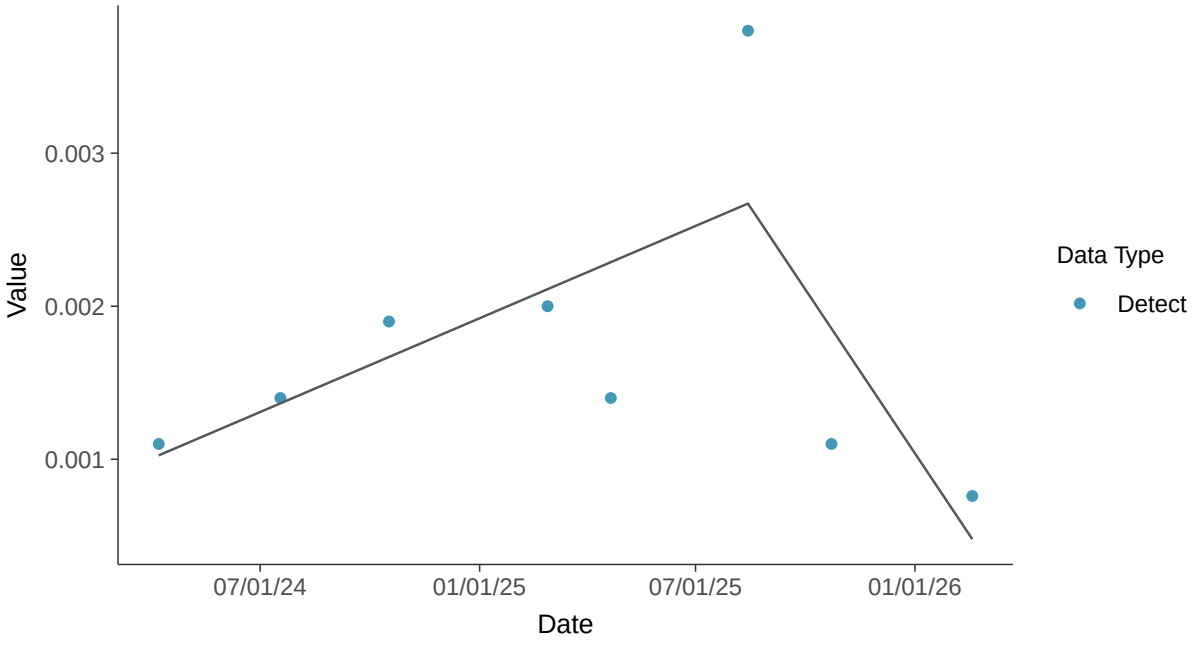
Trend Regression: Lognormal MLE

Arsenic, MW-28 (mg/L)



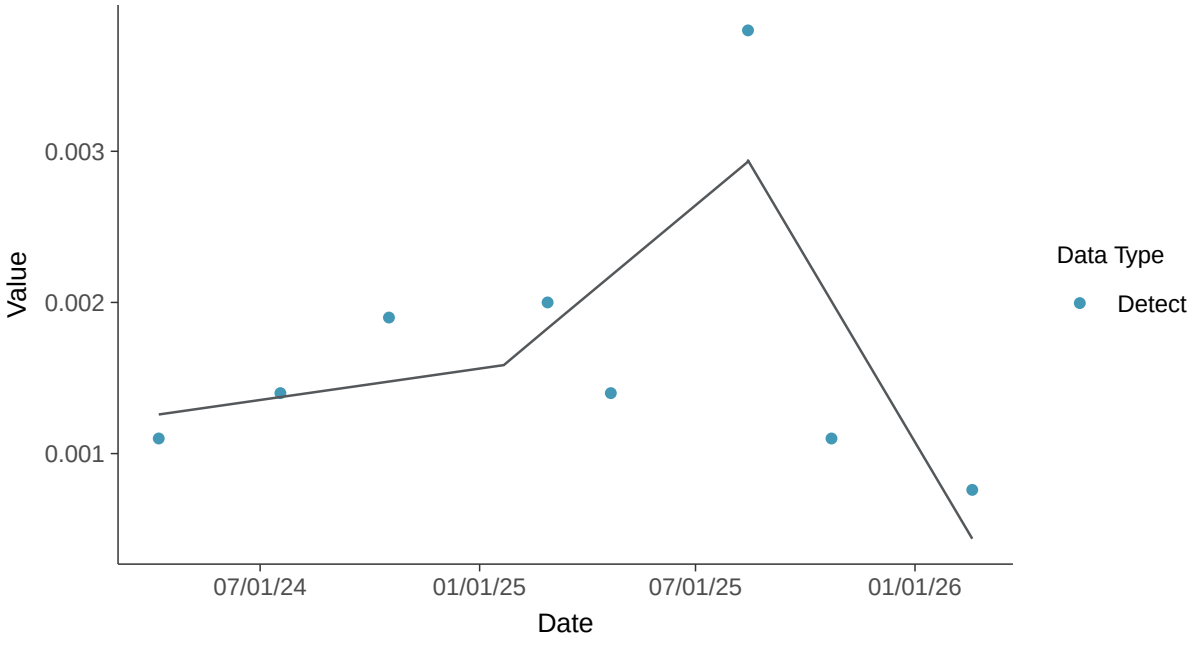
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-28 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Arsenic, MW-28 (mg/L)

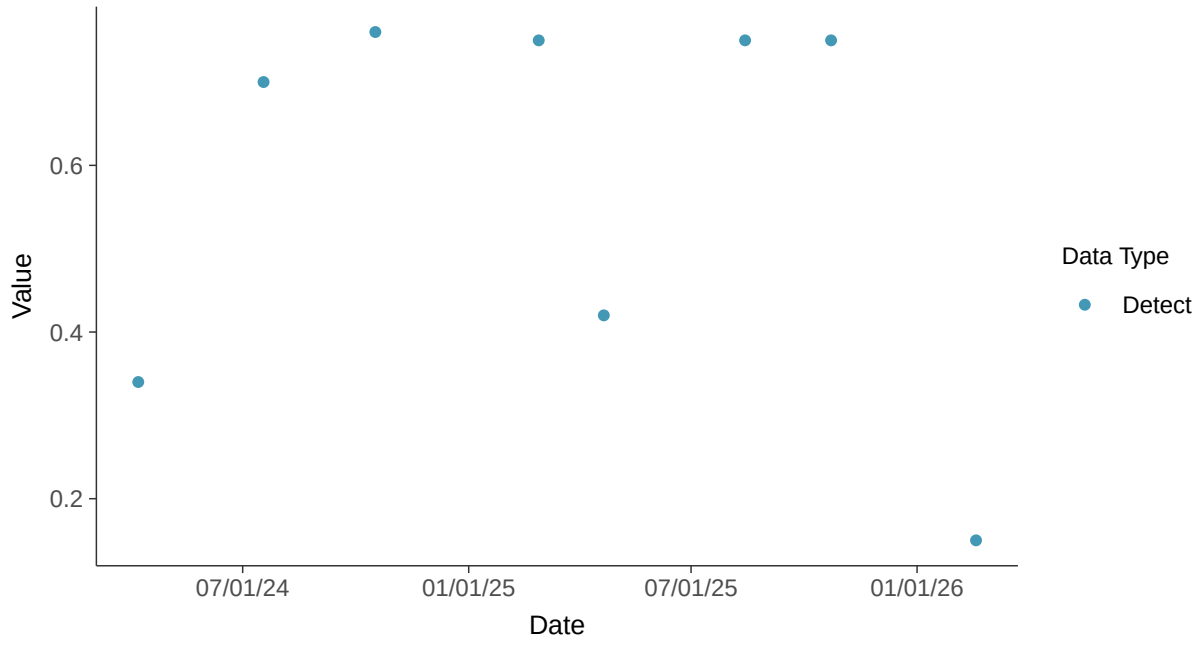


Appendix IV: Barium, MW-28

ID: 38_1_4_103

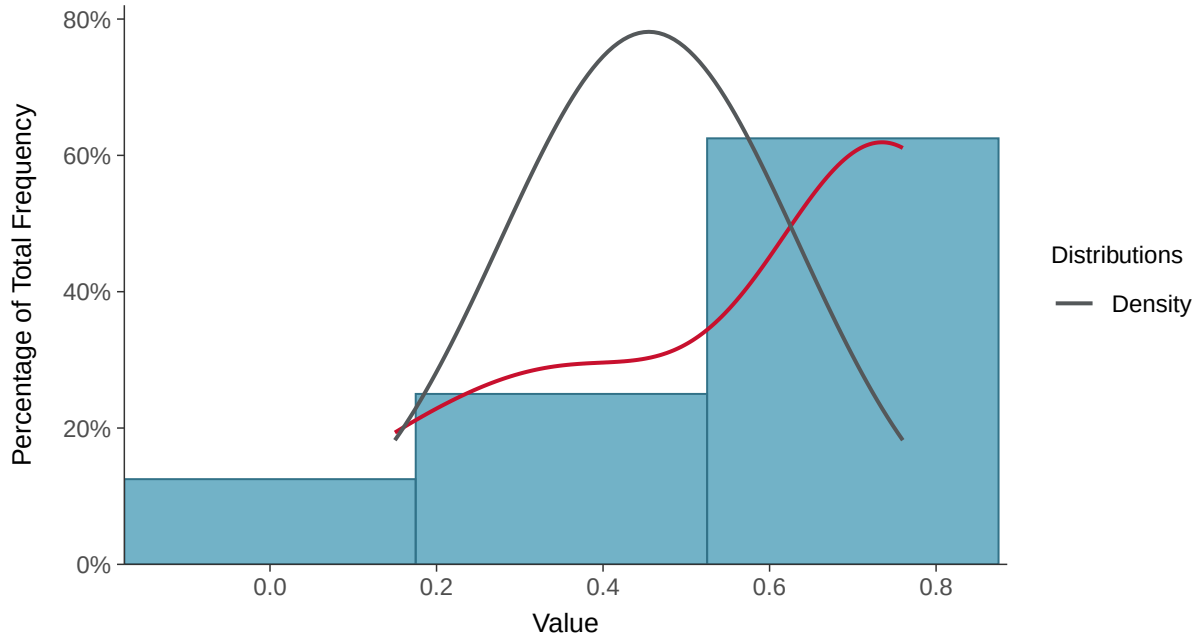
Scatter Plot

Barium, MW-28 (mg/L)



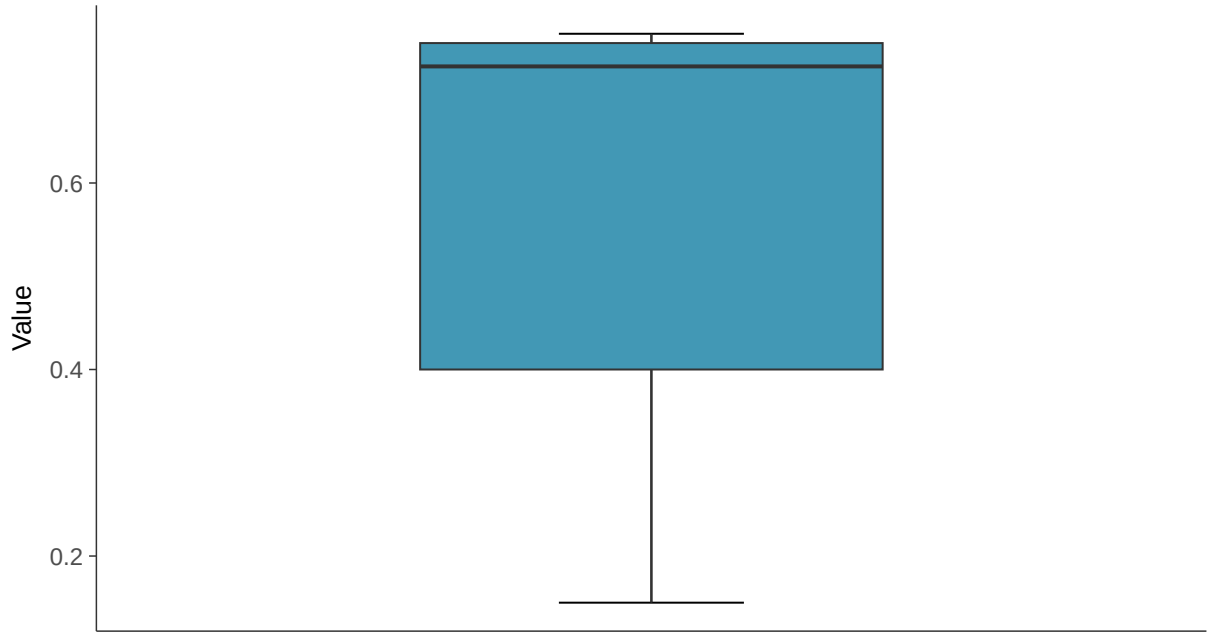
Histogram

Barium, MW-28 (mg/L)



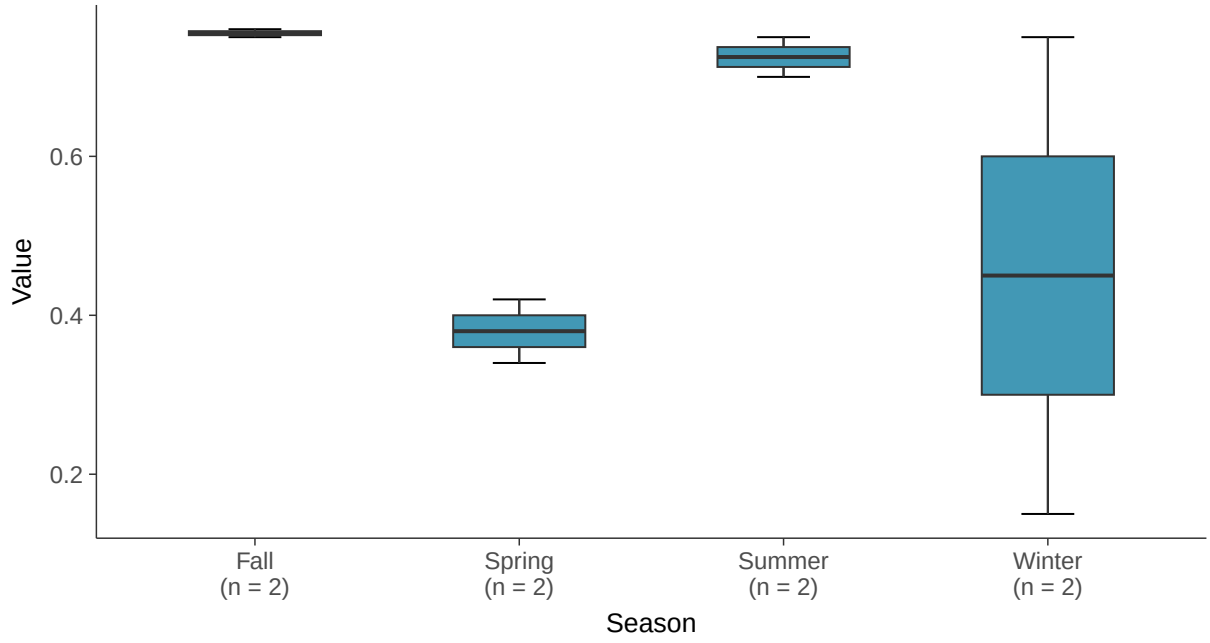
Boxplot

Barium, MW-28 (mg/L)



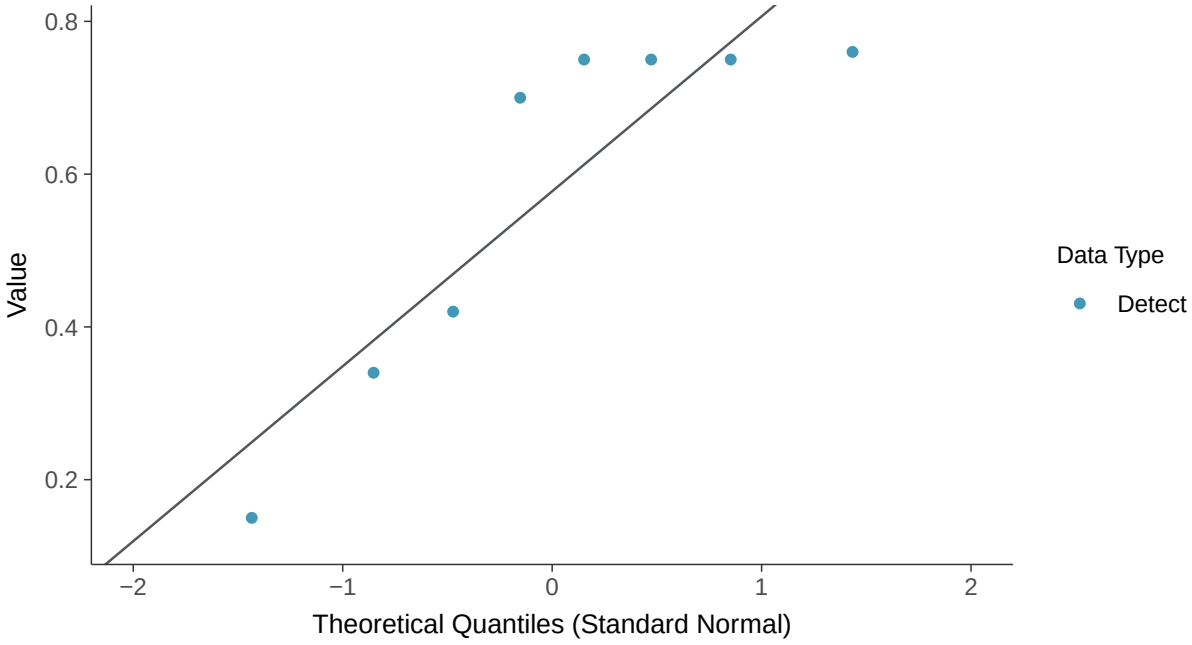
Boxplot by Season

Barium, MW-28 (mg/L)



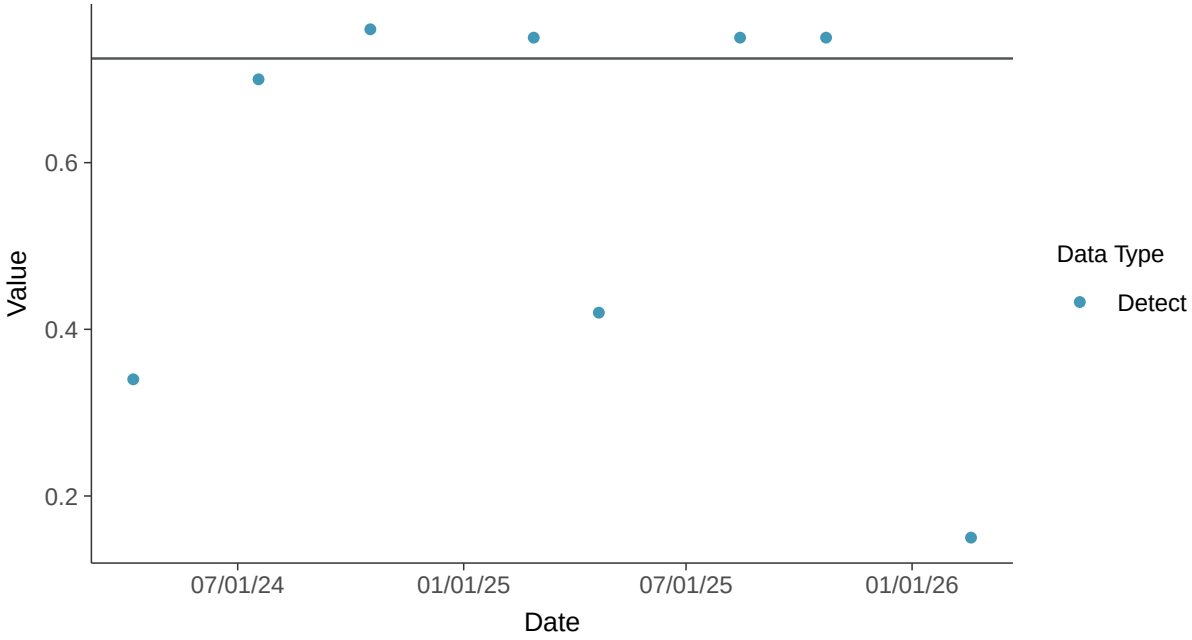
Normal Q-Q plot

Barium, MW-28 (mg/L)



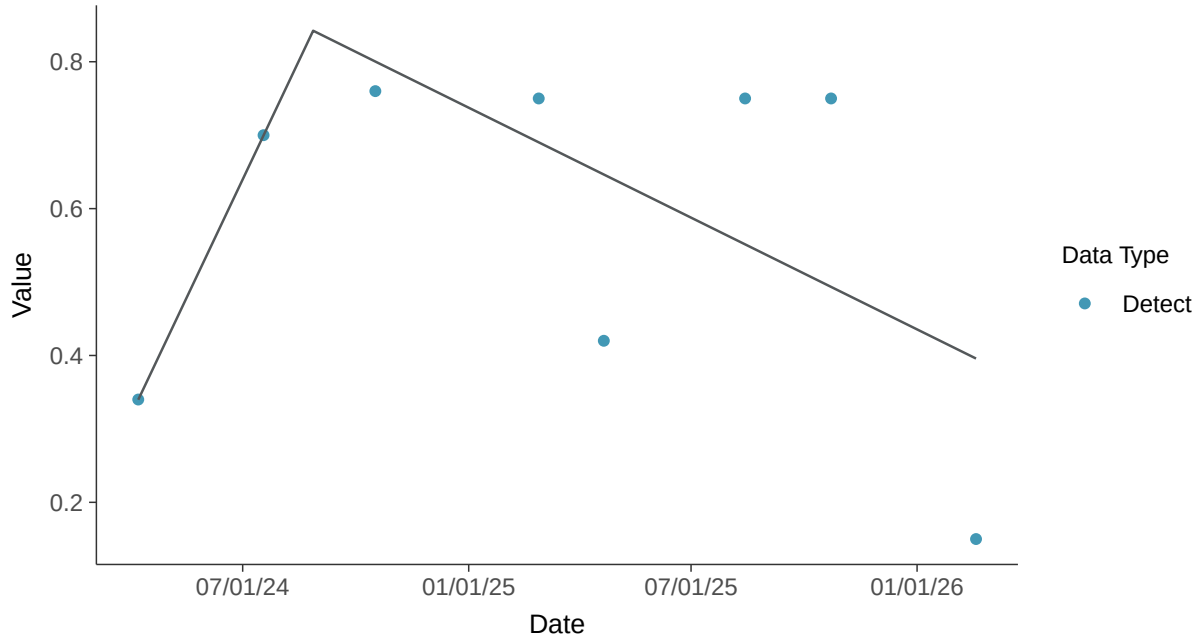
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Barium, MW-28 (mg/L)



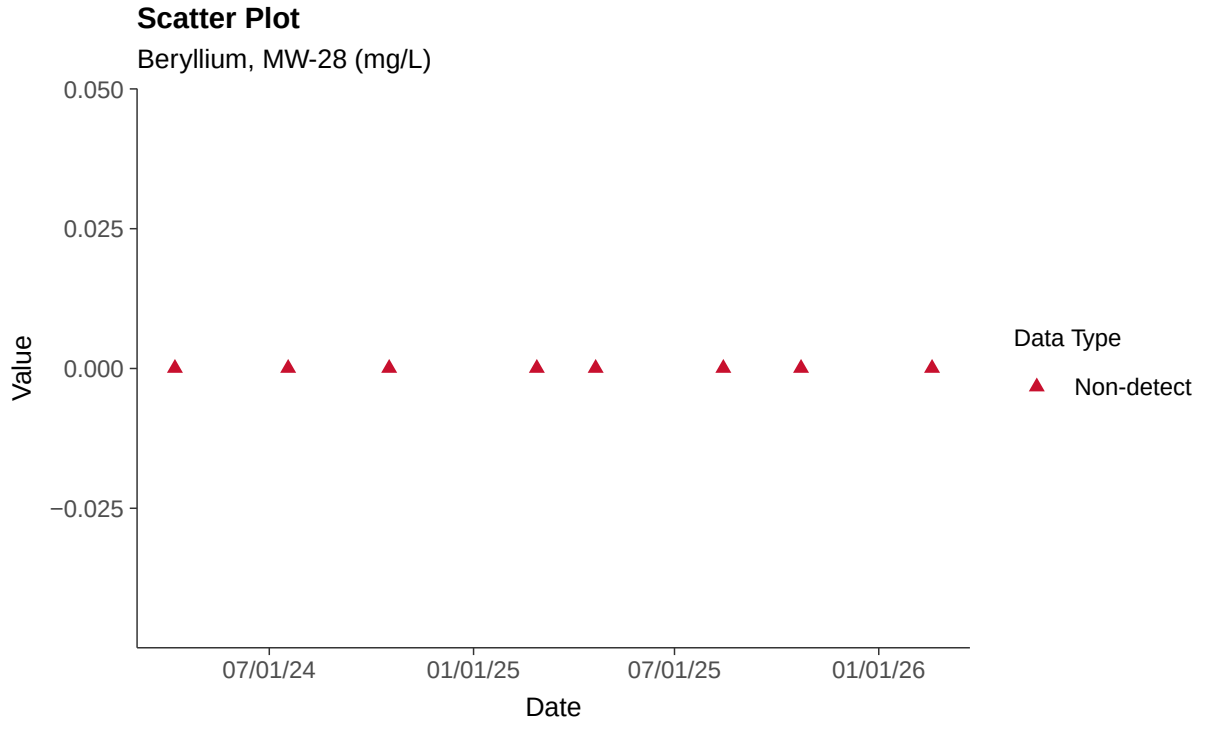
Trend Regression: Piecewise Linear-Linear

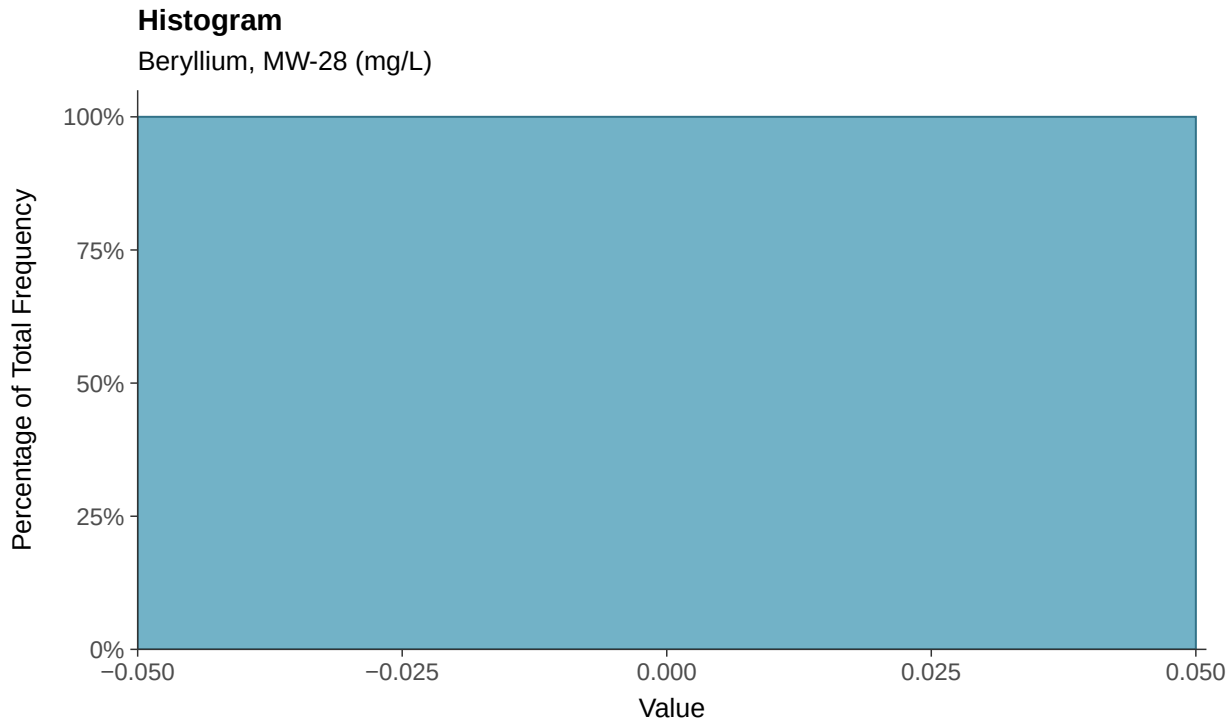
Barium, MW-28 (mg/L)



Appendix IV: Beryllium, MW-28

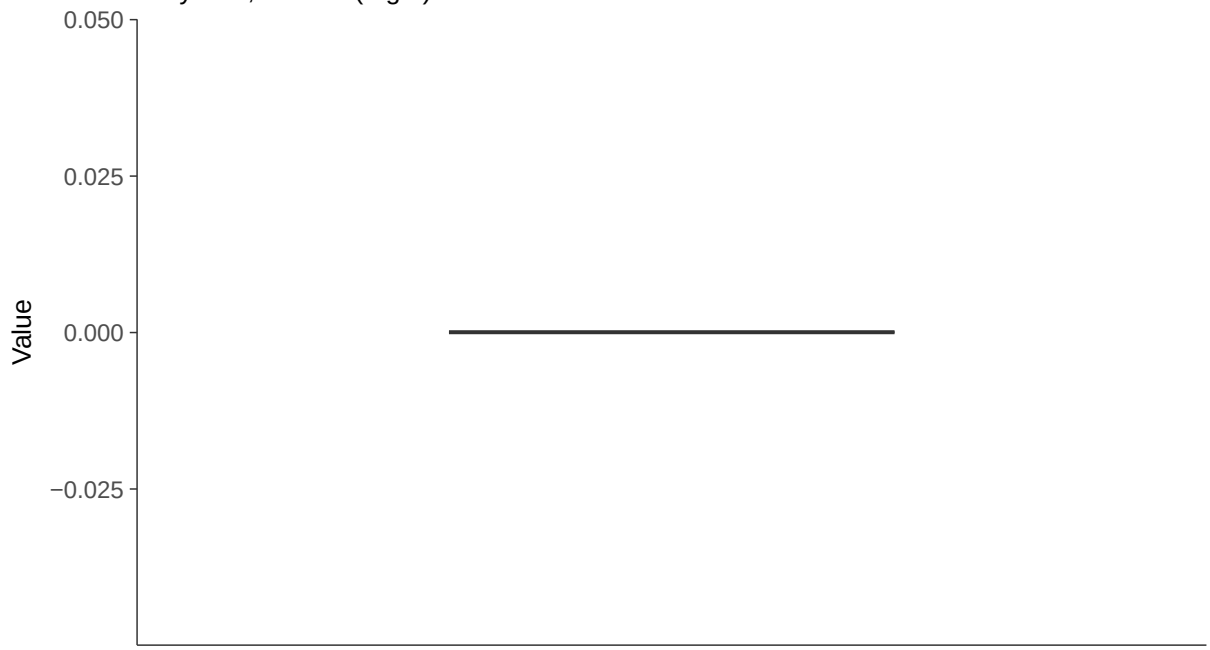
ID: 38_1_4_104





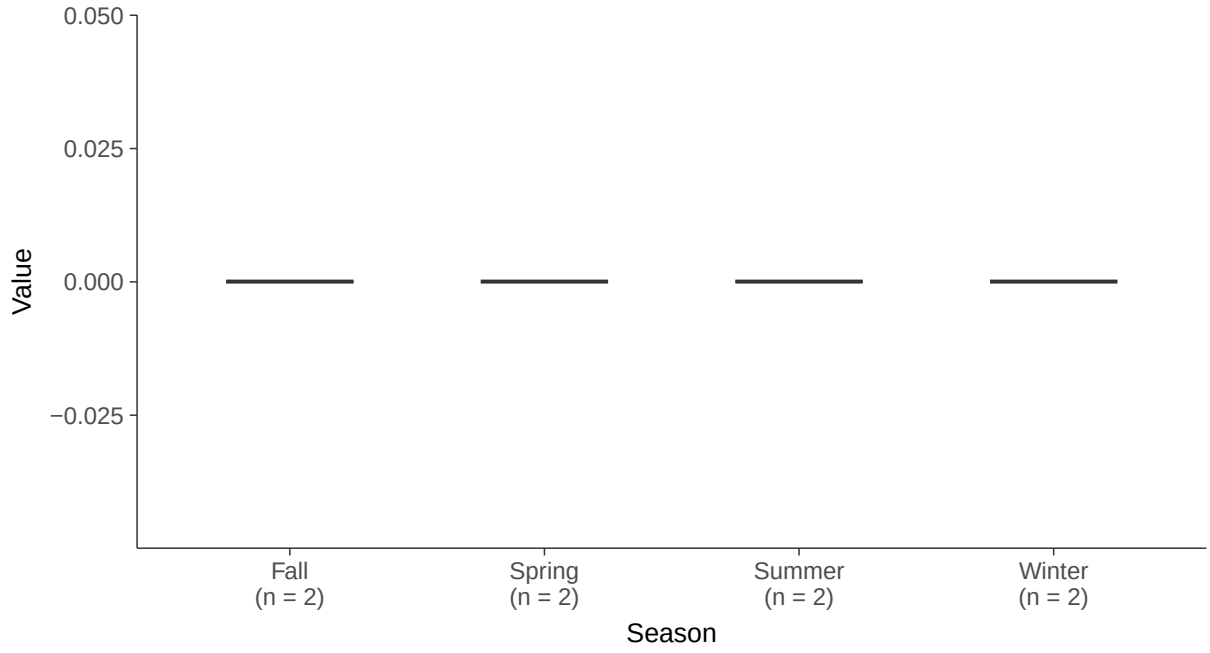
Boxplot

Beryllium, MW-28 (mg/L)



Boxplot by Season

Beryllium, MW-28 (mg/L)

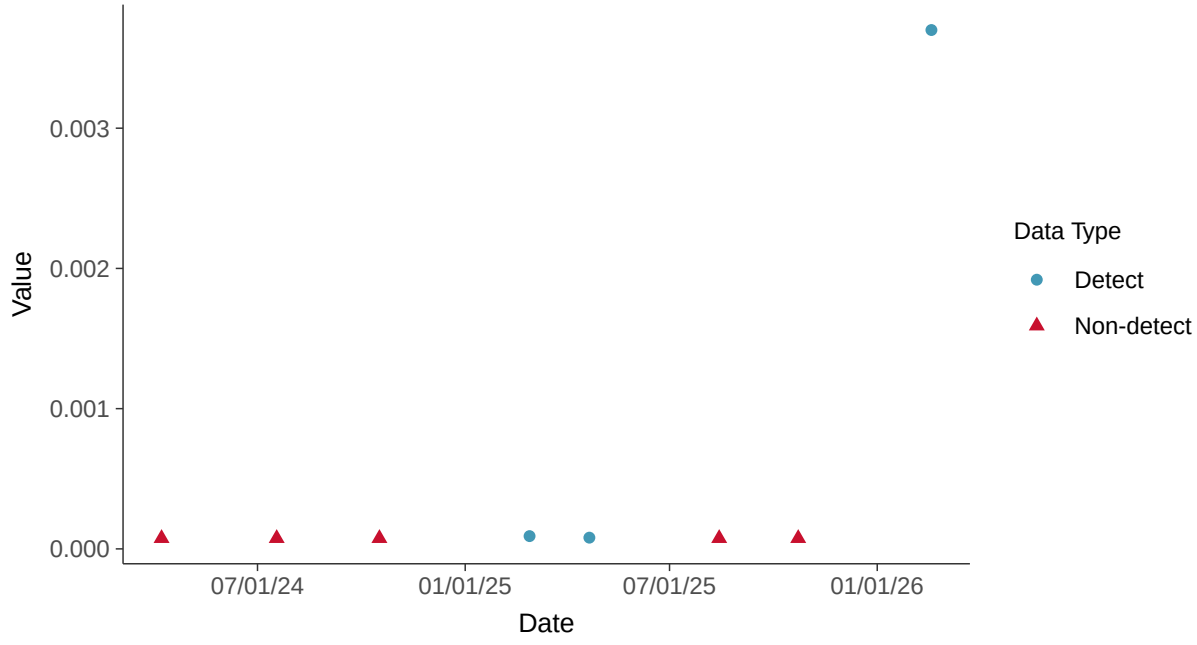


Appendix IV: Cadmium, MW-28

ID: 38_1_4_106

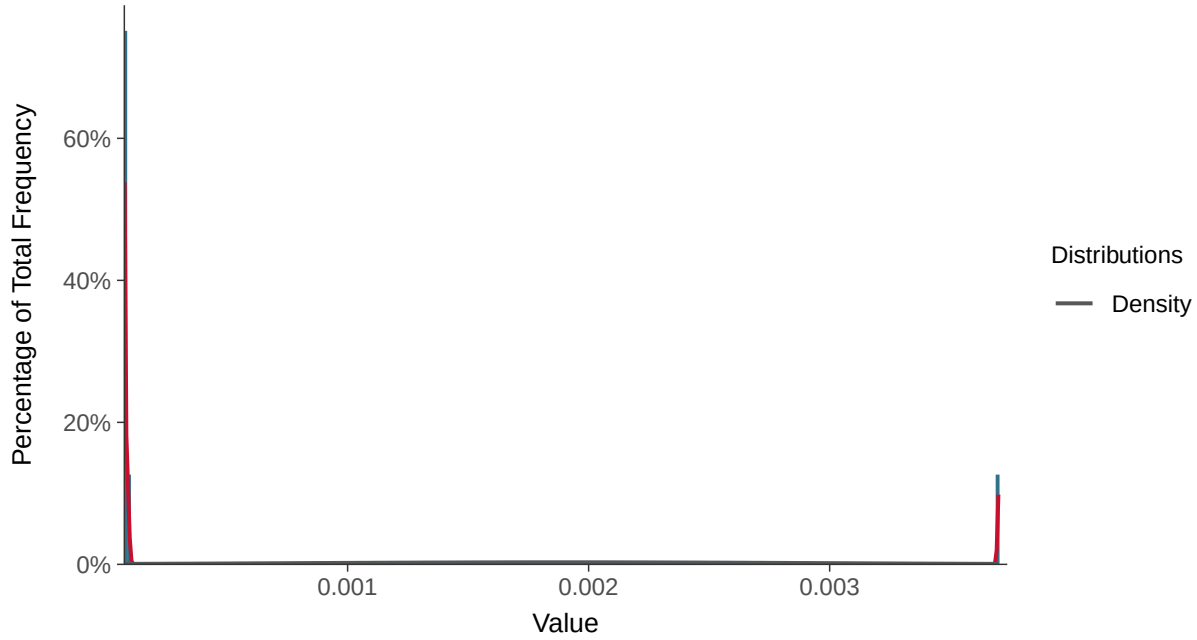
Scatter Plot

Cadmium, MW-28 (mg/L)



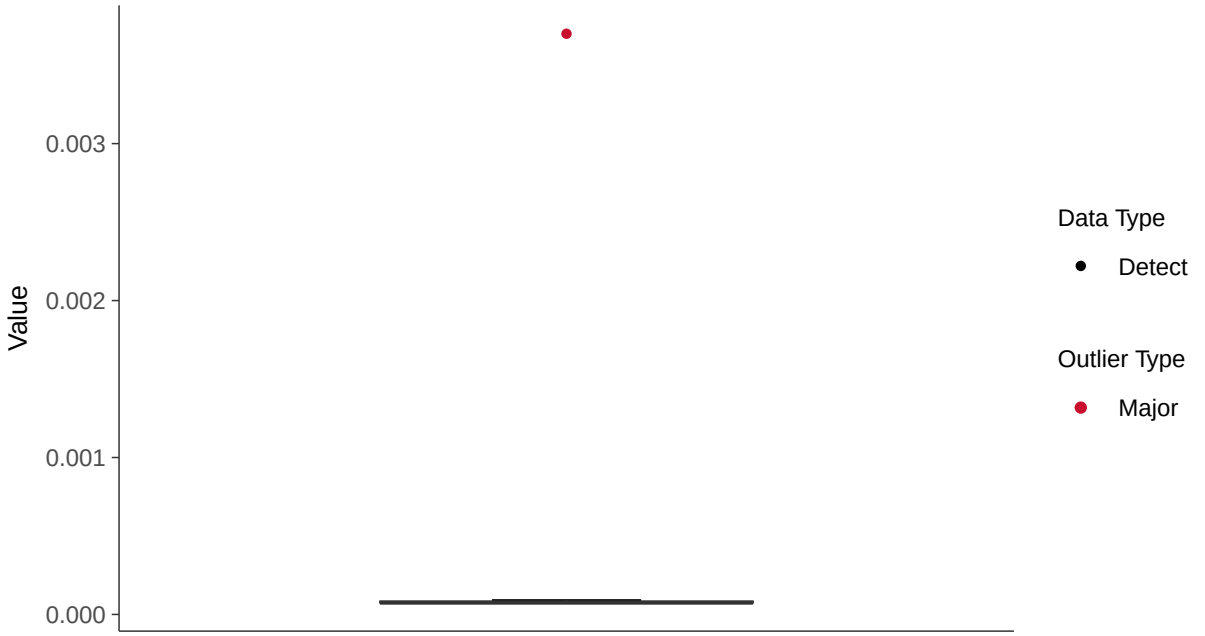
Histogram

Cadmium, MW-28 (mg/L)



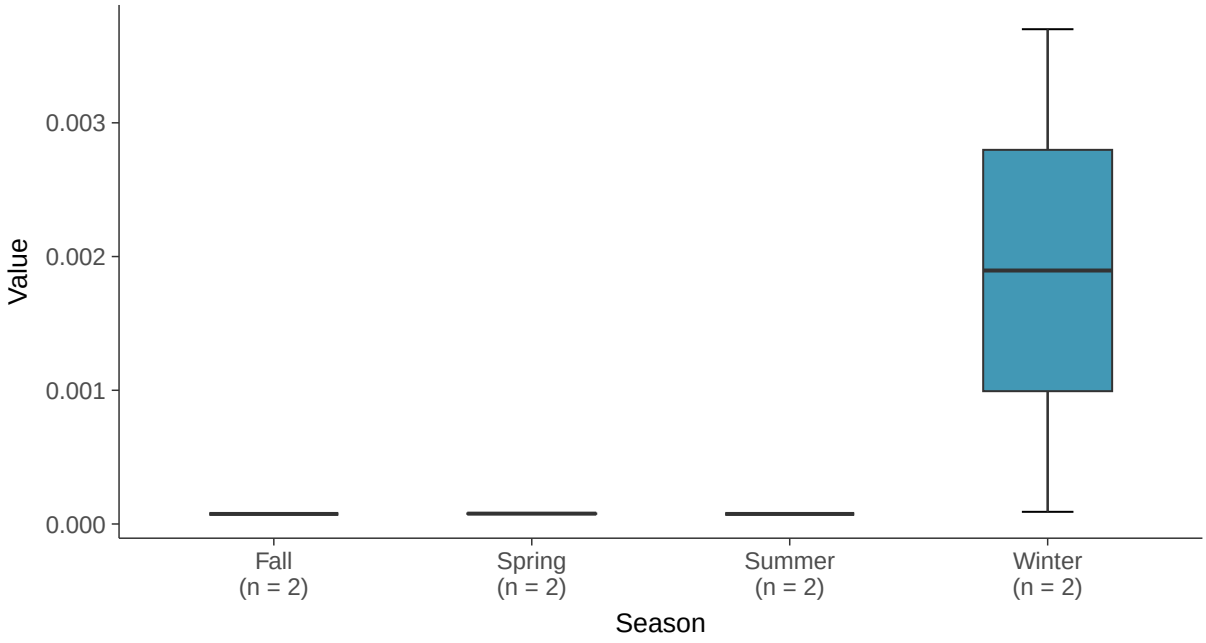
Boxplot

Cadmium, MW-28 (mg/L)



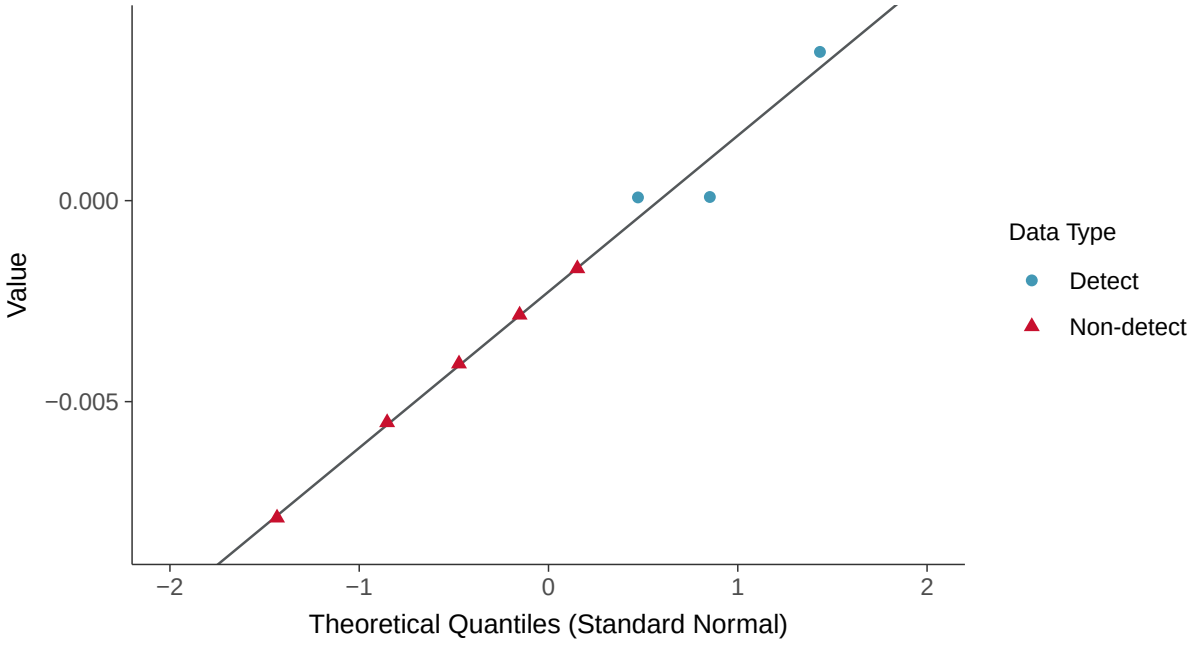
Boxplot by Season

Cadmium, MW-28 (mg/L)



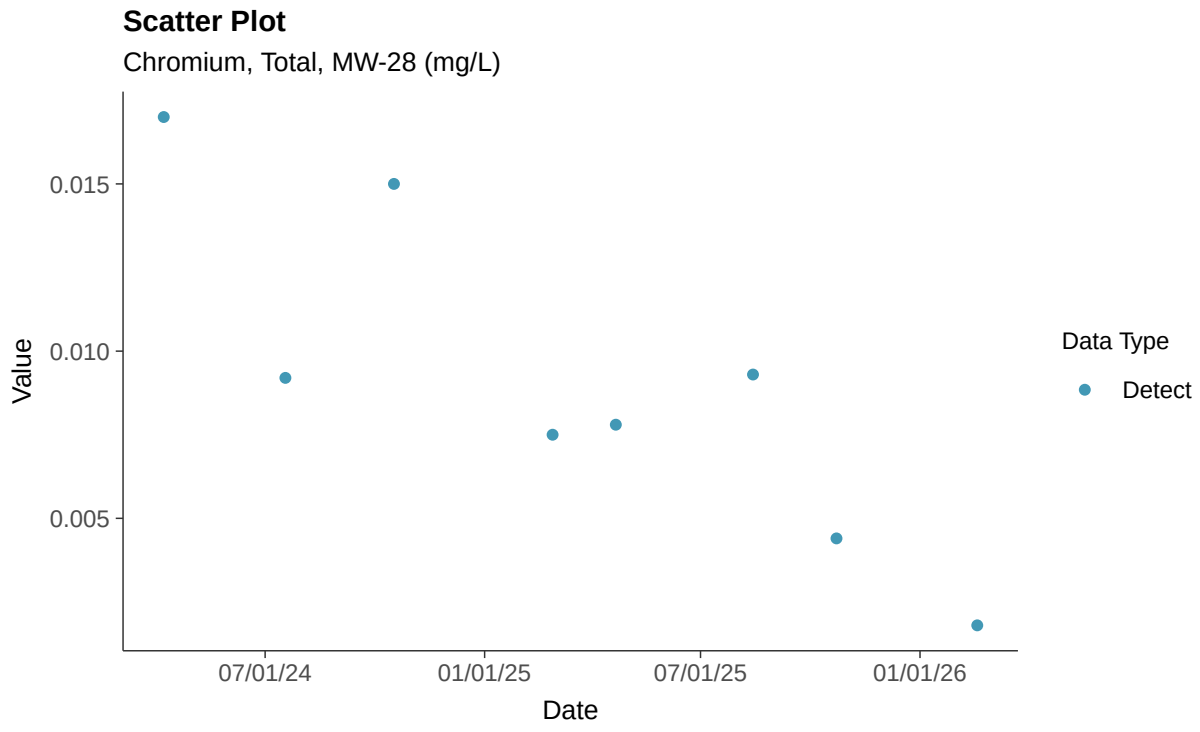
Normal Q-Q plot using ROS Imputed Estimates

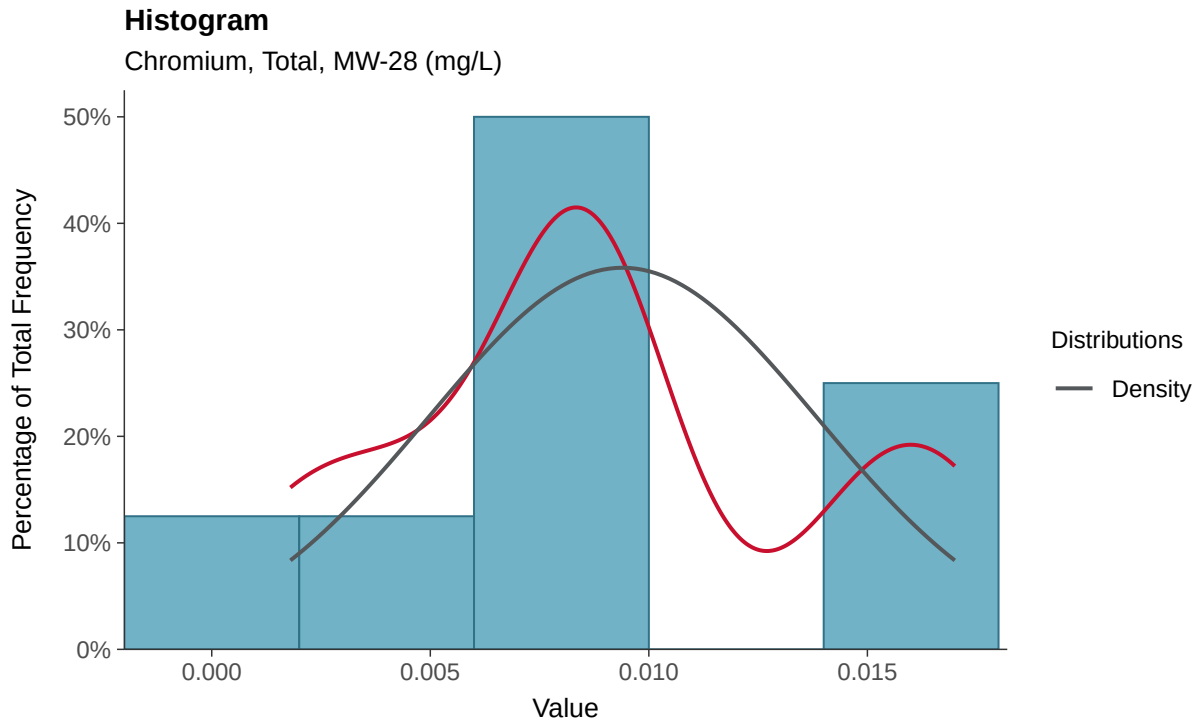
Cadmium, MW-28 (mg/L)



Appendix IV: Chromium, Total, MW-28

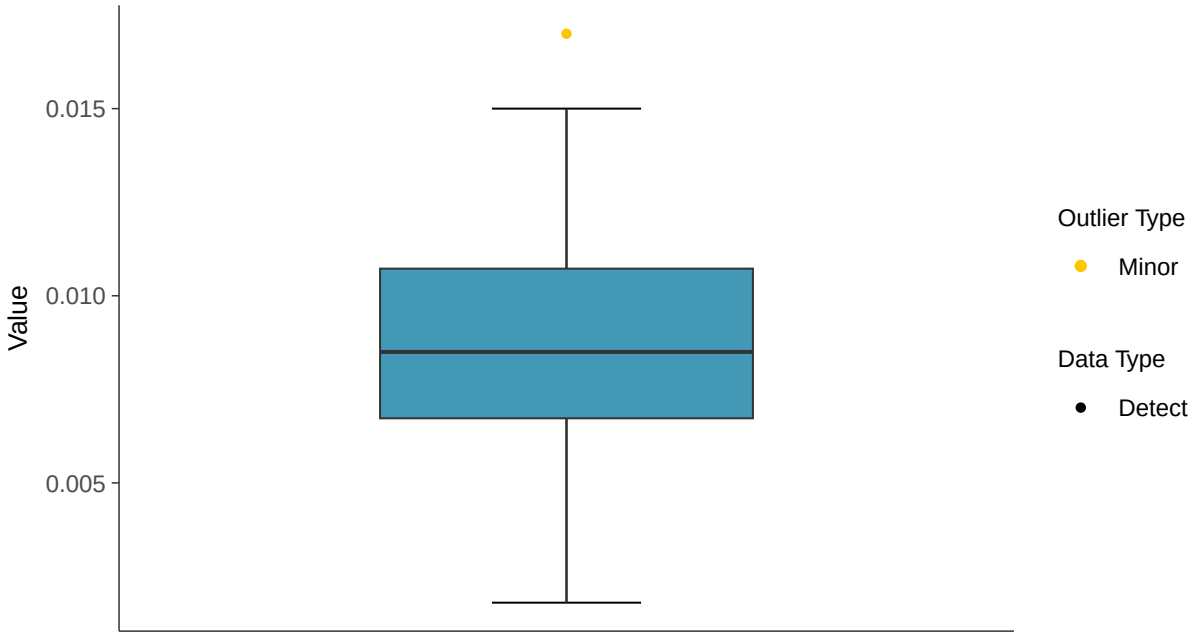
ID: 38_1_4_109





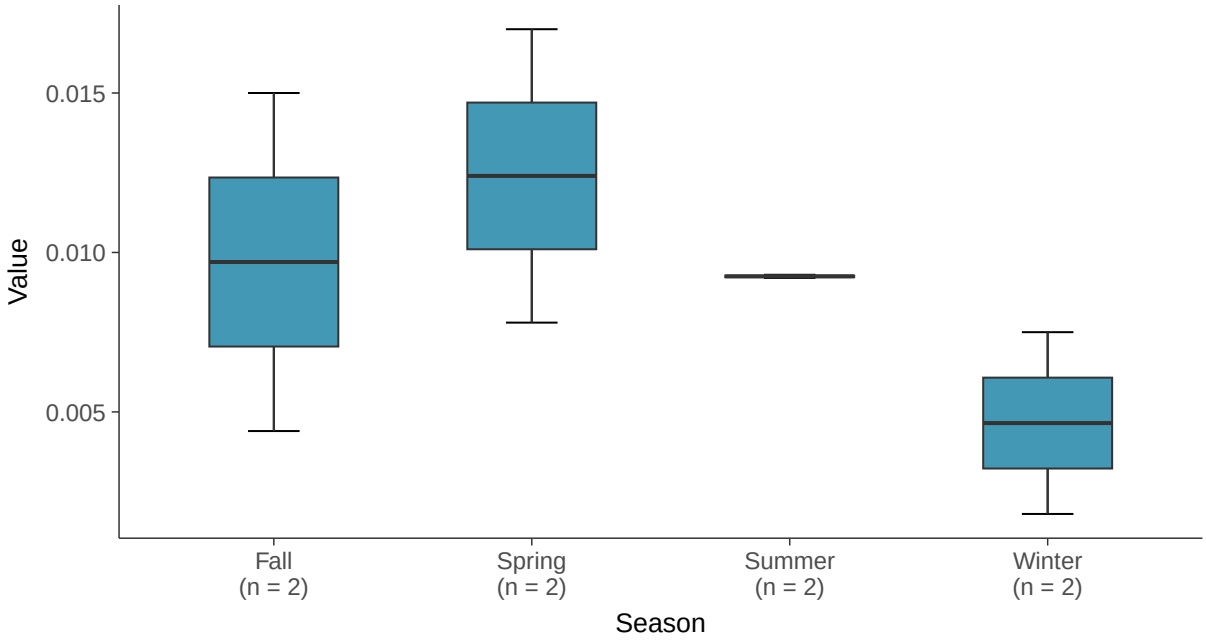
Boxplot

Chromium, Total, MW-28 (mg/L)



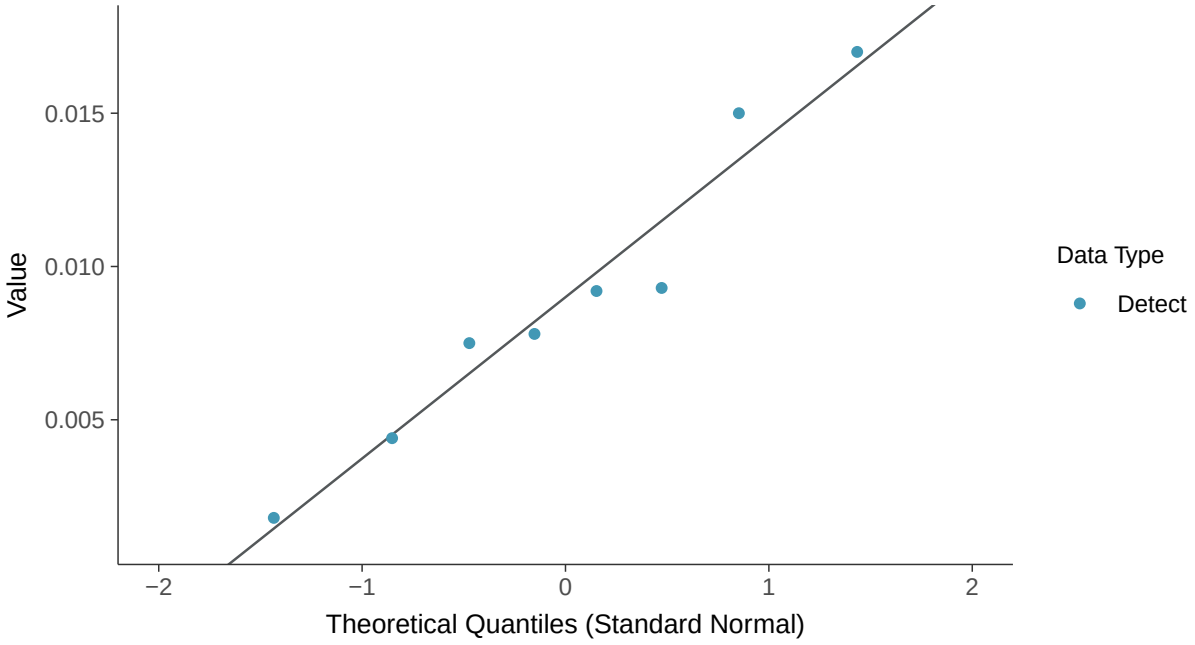
Boxplot by Season

Chromium, Total, MW-28 (mg/L)



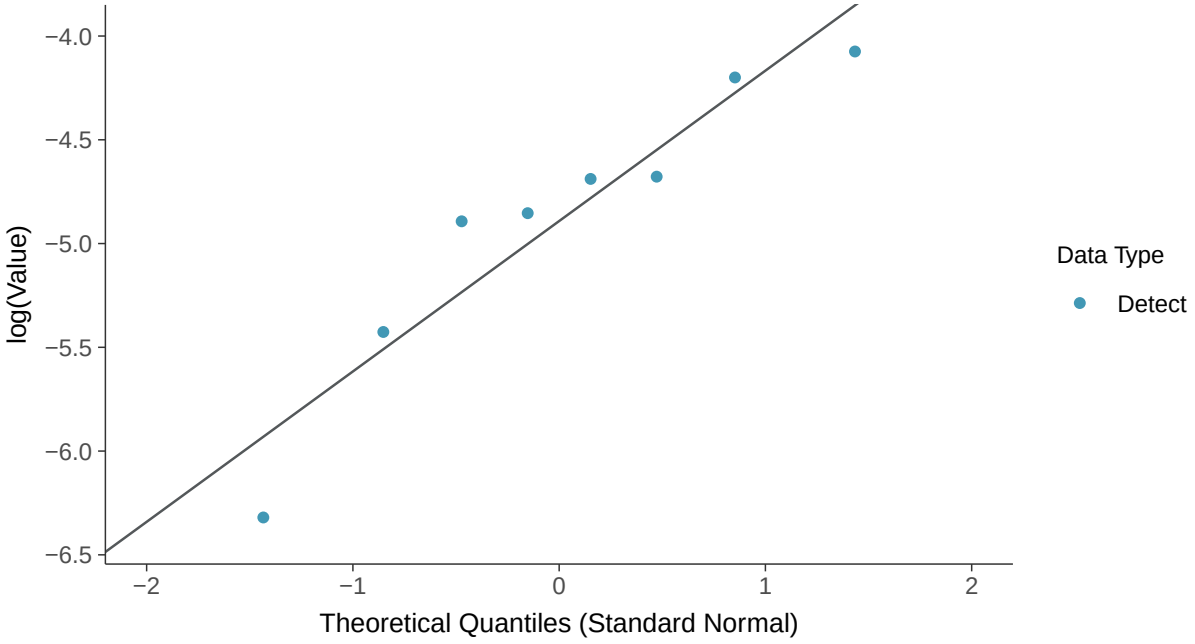
Normal Q-Q plot

Chromium, Total, MW-28 (mg/L)



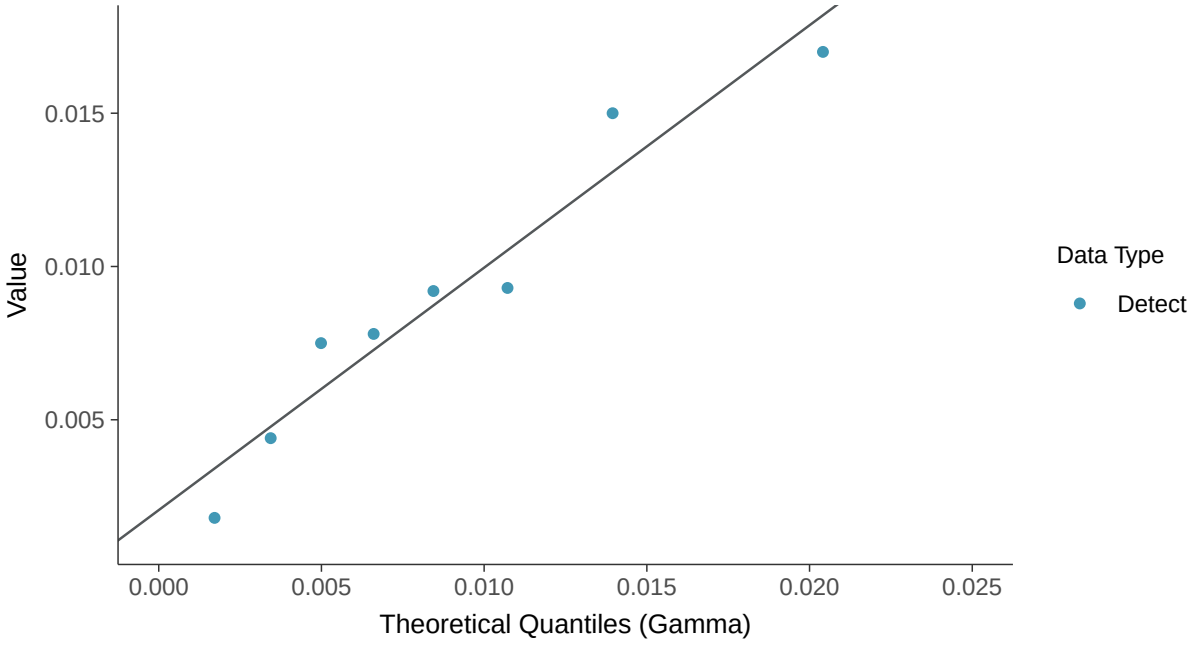
Lognormal Q-Q plot

Chromium, Total, MW-28 (mg/L)



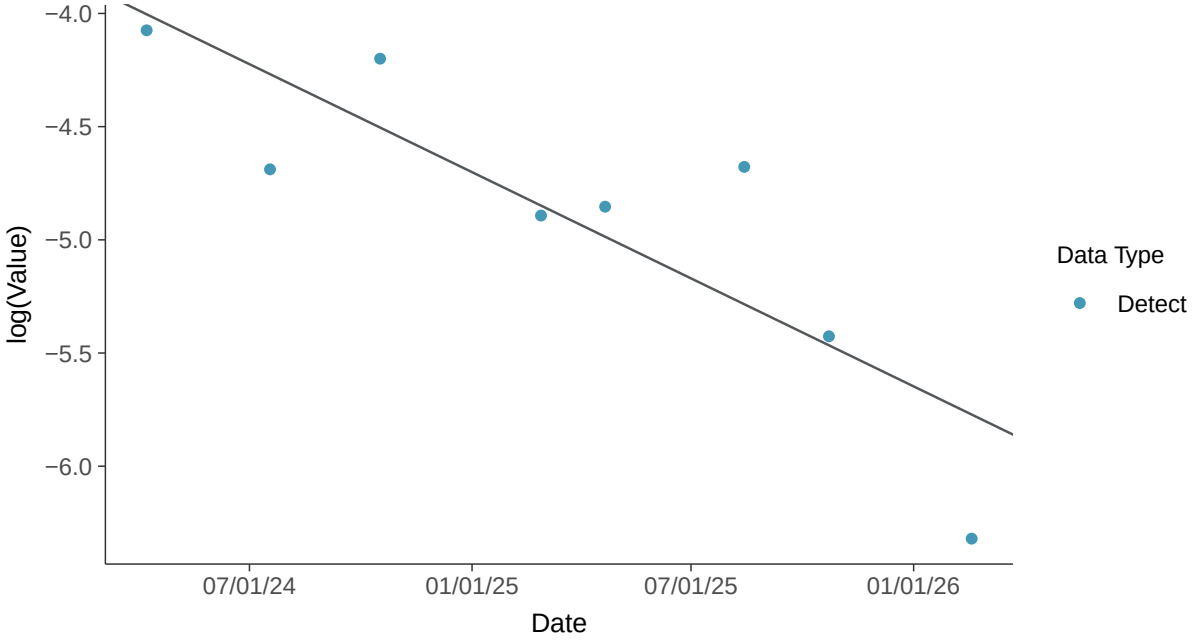
Gamma Q-Q plot

Chromium, Total, MW-28 (mg/L)



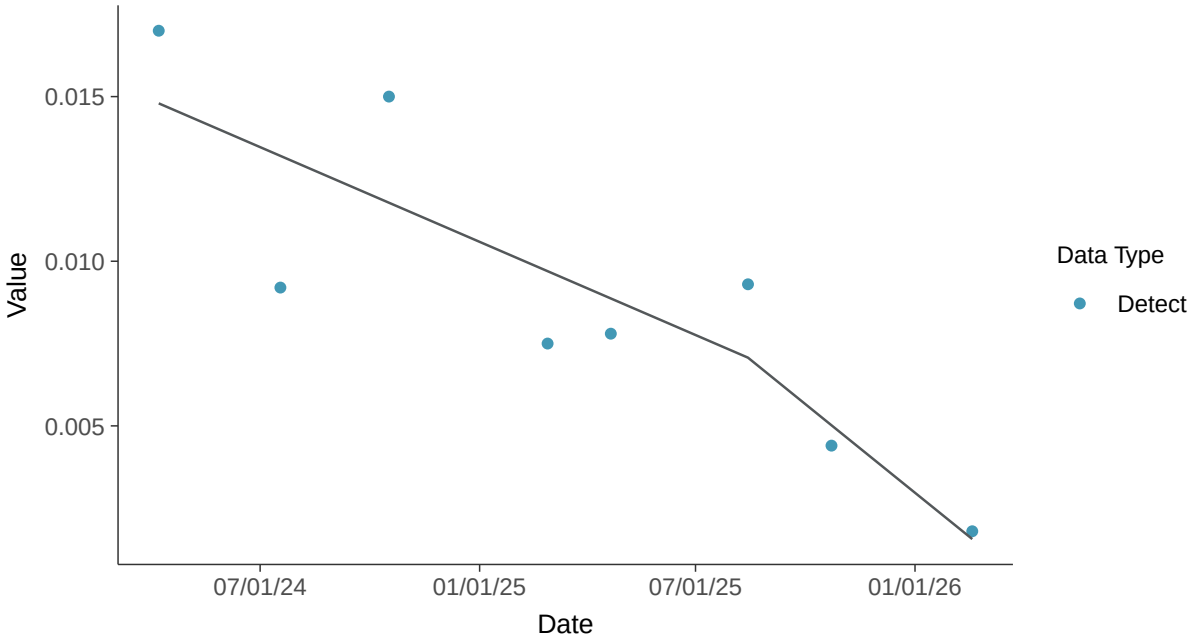
Trend Regression: Lognormal MLE

Chromium, Total, MW-28 (mg/L)



Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-28 (mg/L)

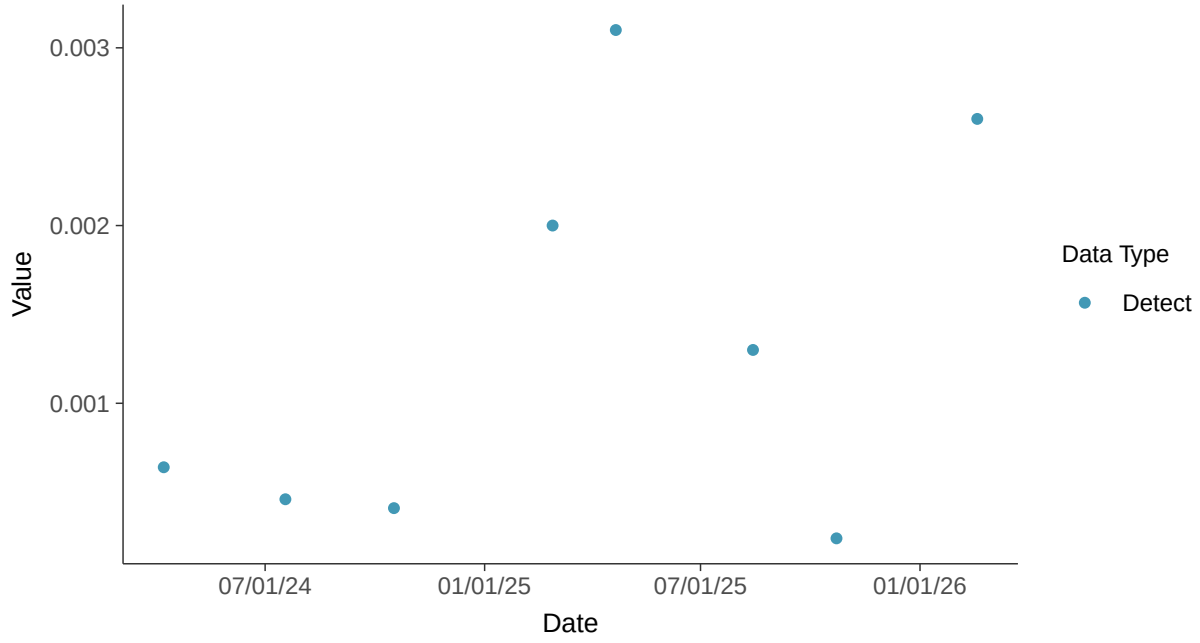


Appendix IV: Cobalt, MW-28

ID: 38_1_4_110

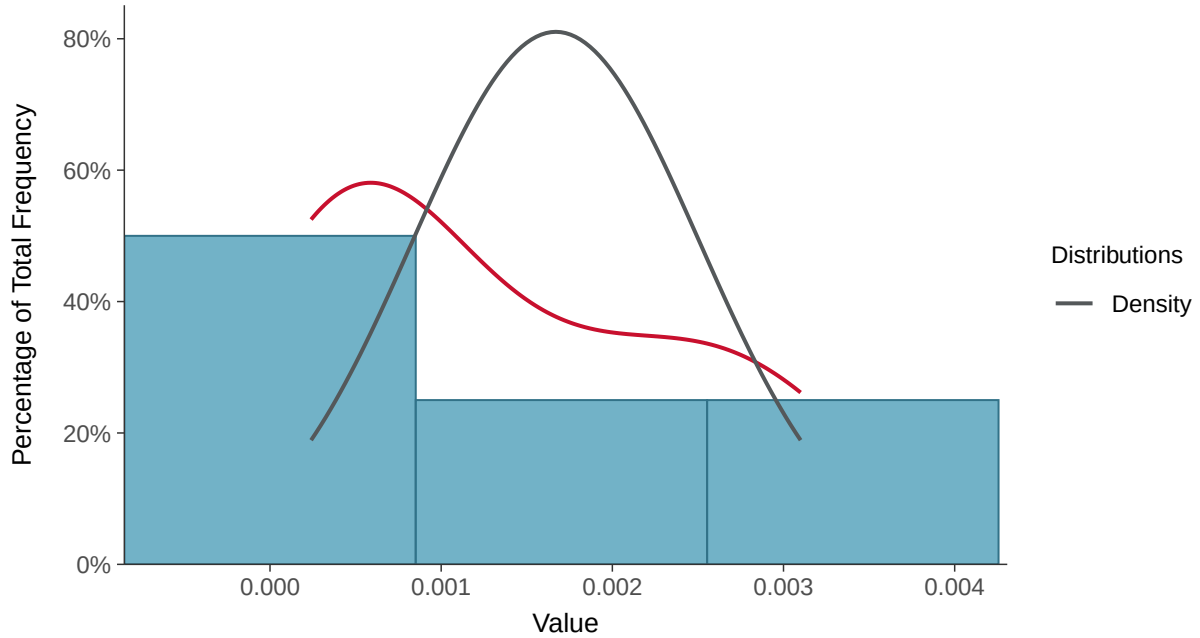
Scatter Plot

Cobalt, MW-28 (mg/L)



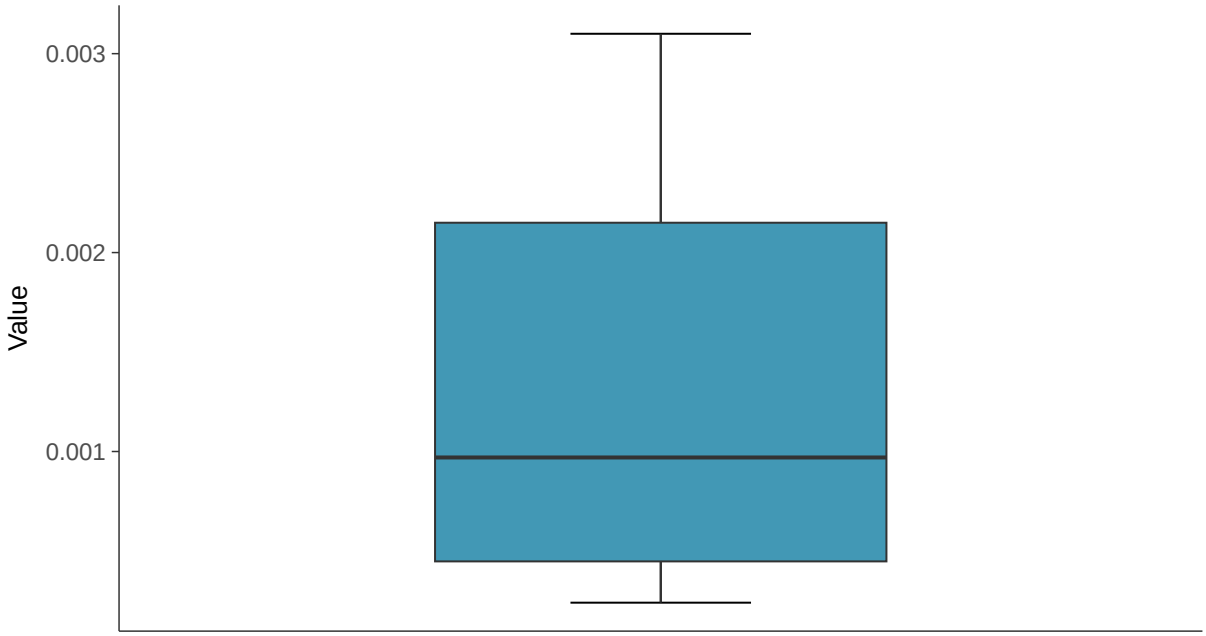
Histogram

Cobalt, MW-28 (mg/L)



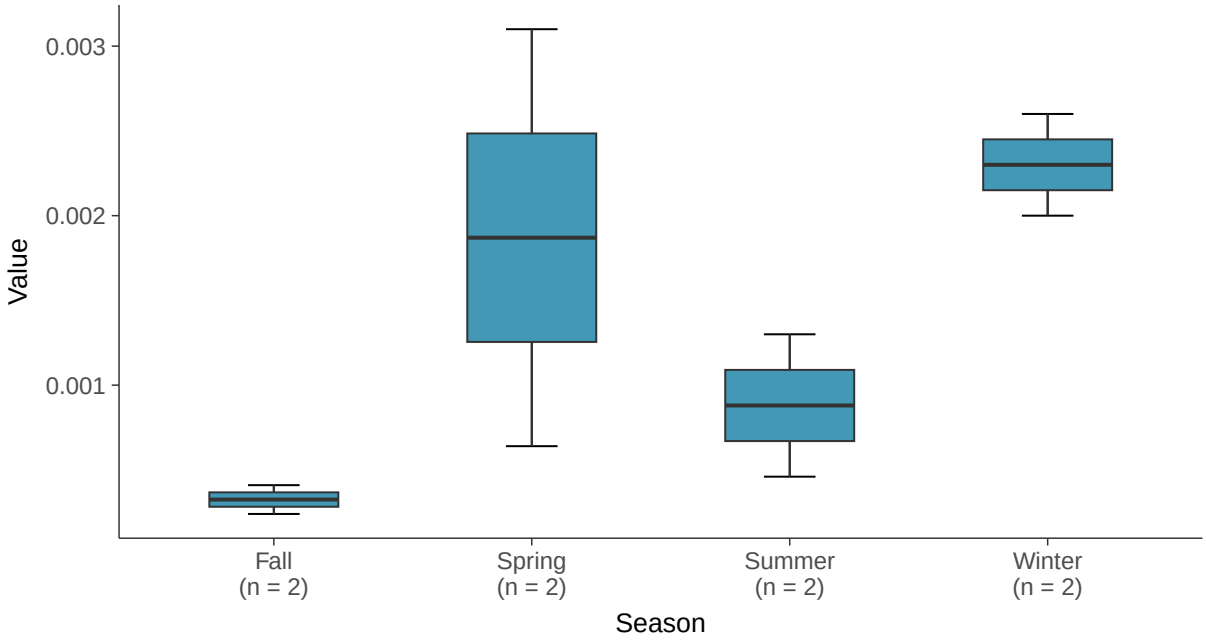
Boxplot

Cobalt, MW-28 (mg/L)



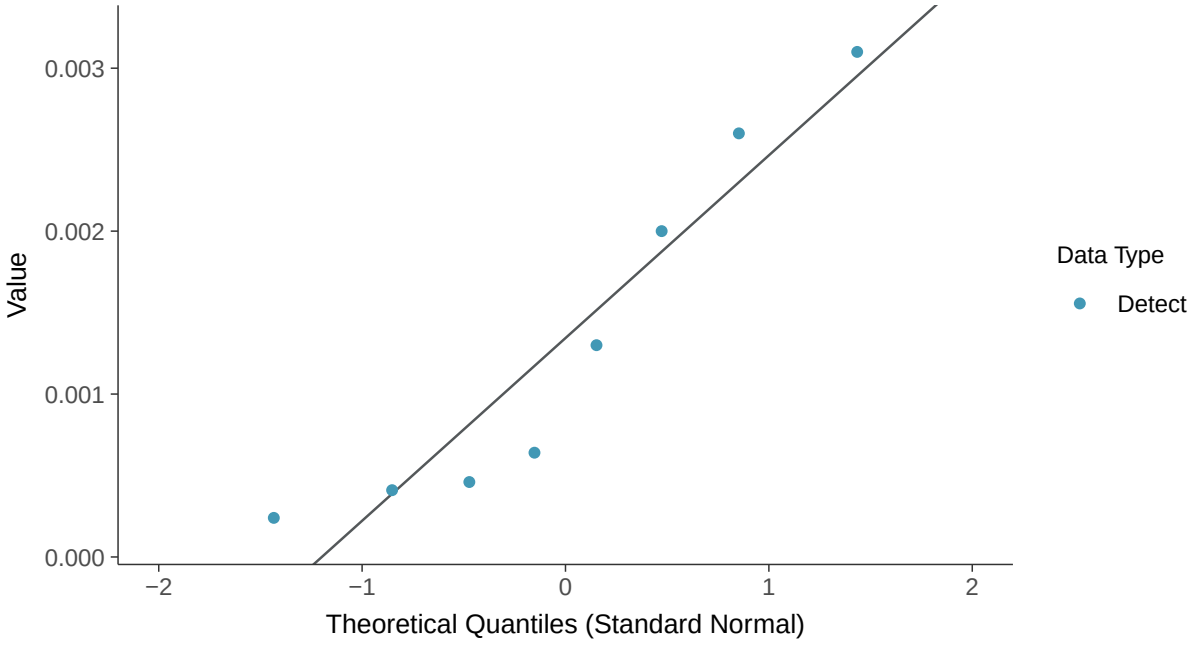
Boxplot by Season

Cobalt, MW-28 (mg/L)



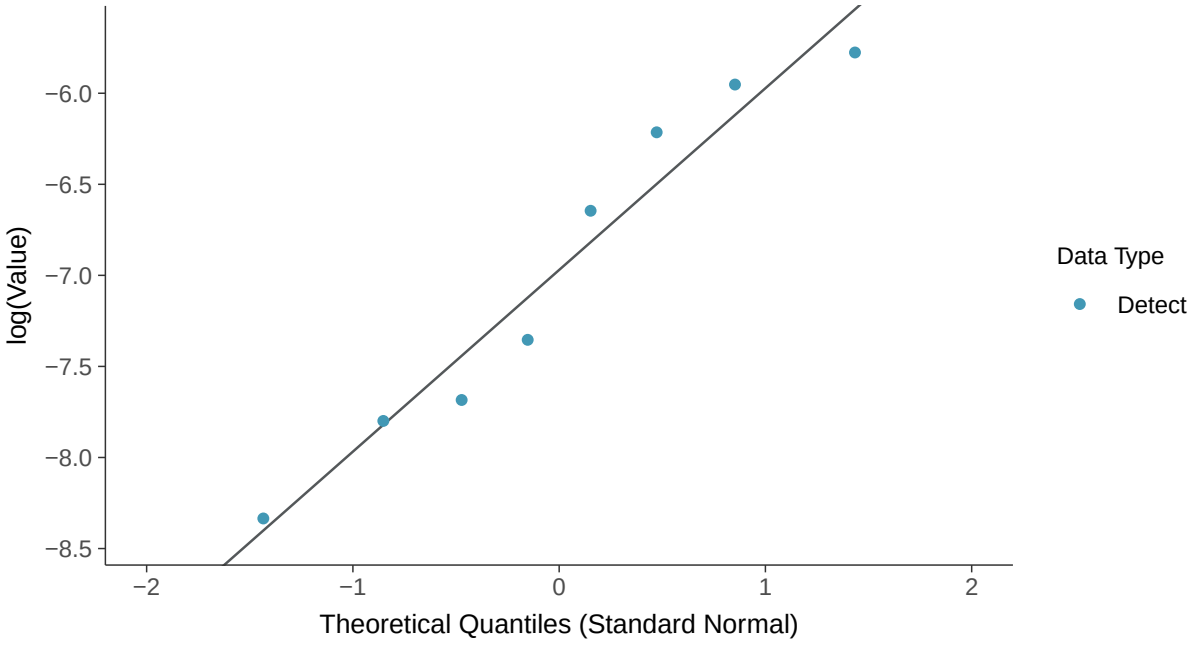
Normal Q-Q plot

Cobalt, MW-28 (mg/L)



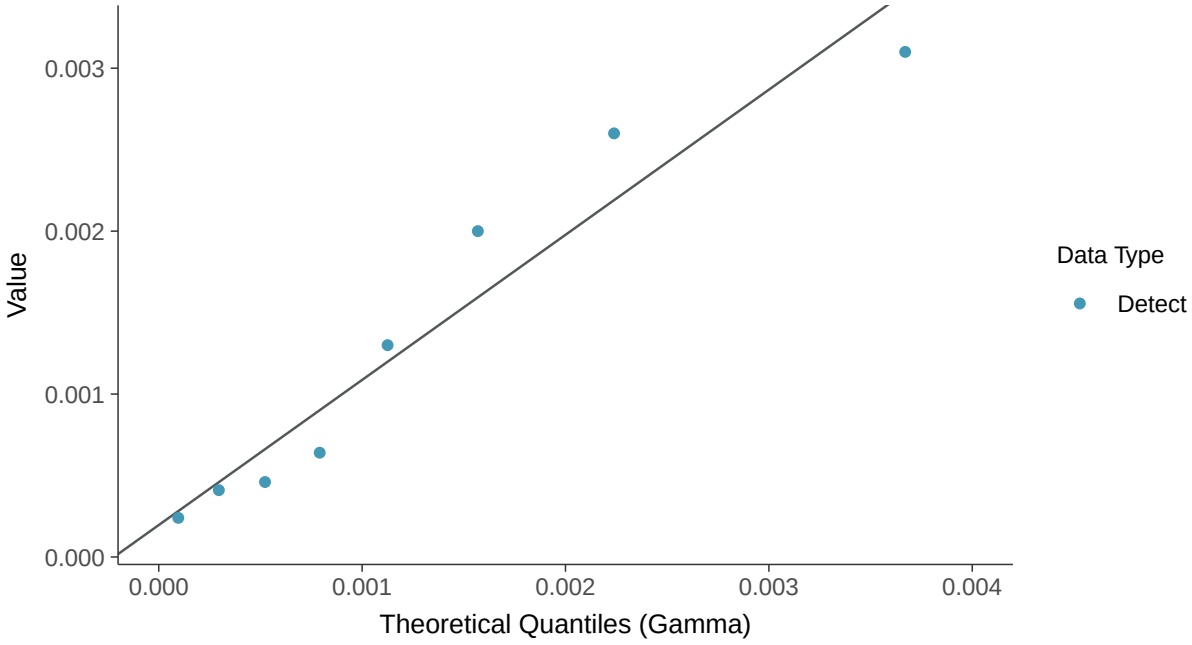
Lognormal Q-Q plot

Cobalt, MW-28 (mg/L)



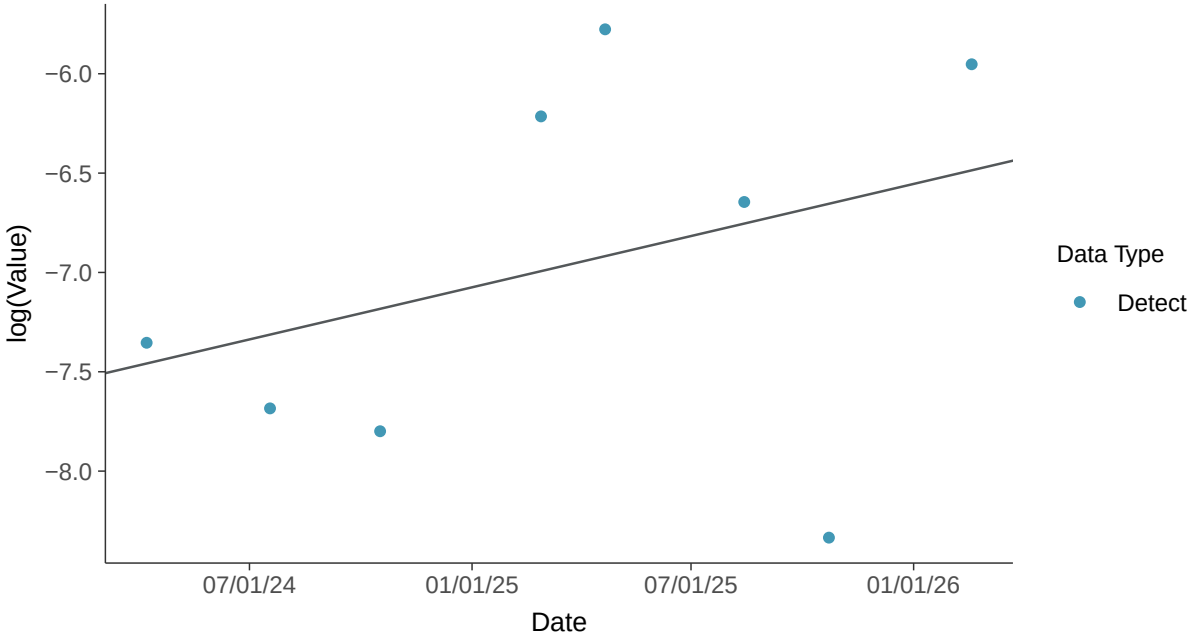
Gamma Q-Q plot

Cobalt, MW-28 (mg/L)



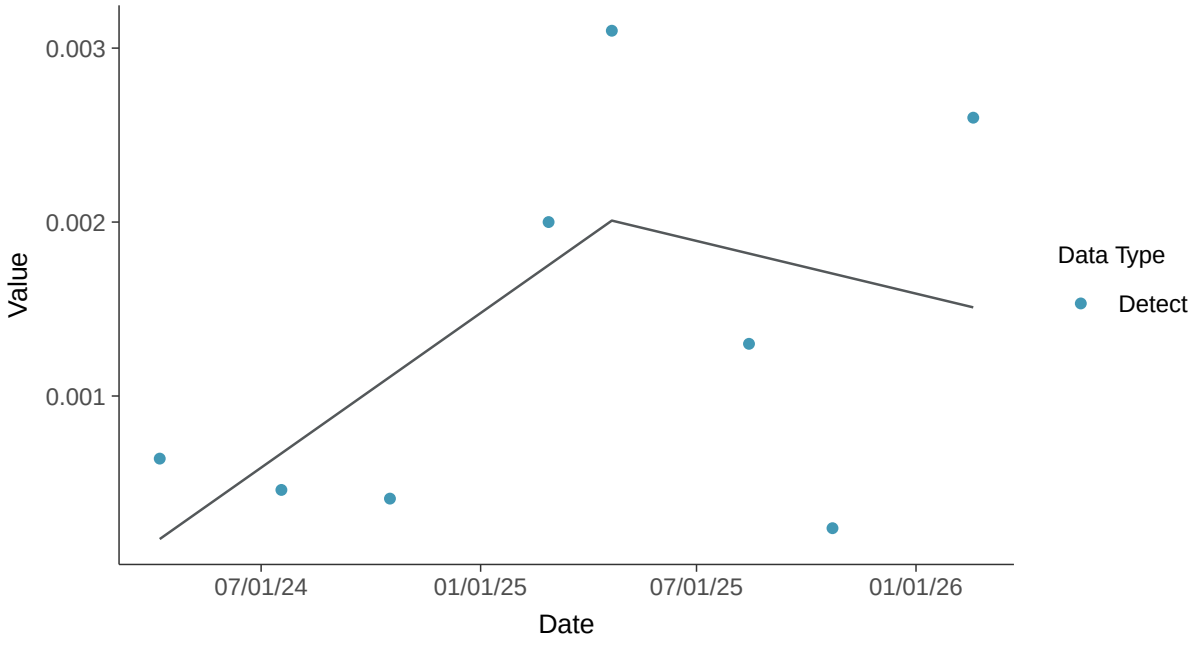
Trend Regression: Lognormal MLE

Cobalt, MW-28 (mg/L)



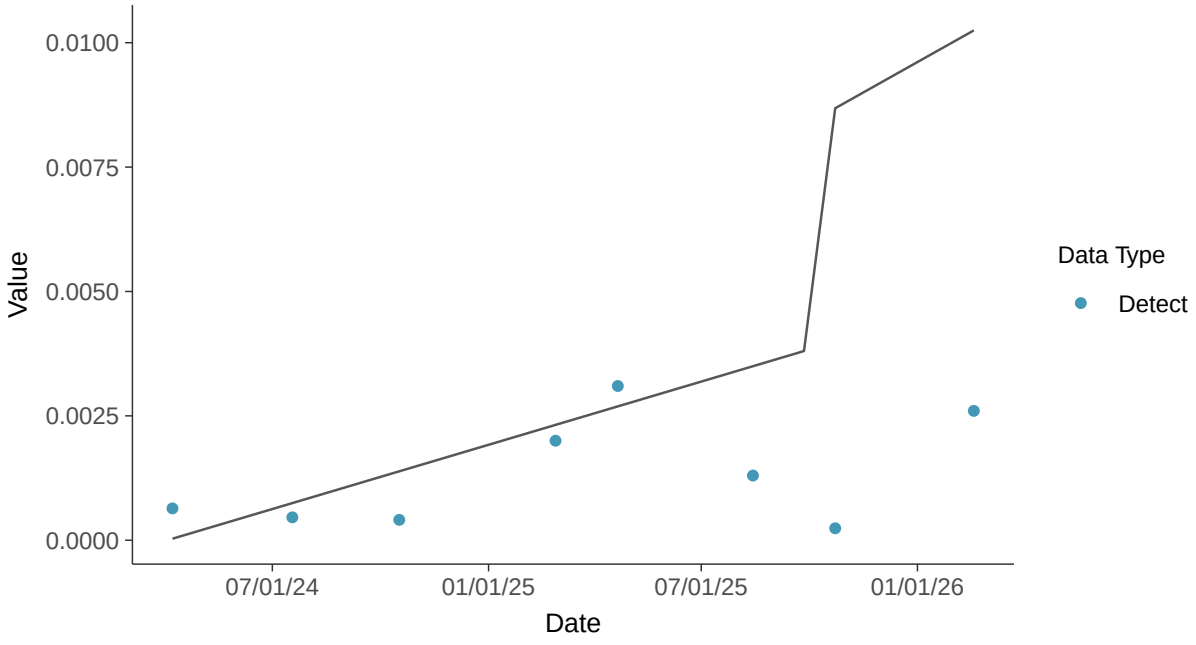
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-28 (mg/L)



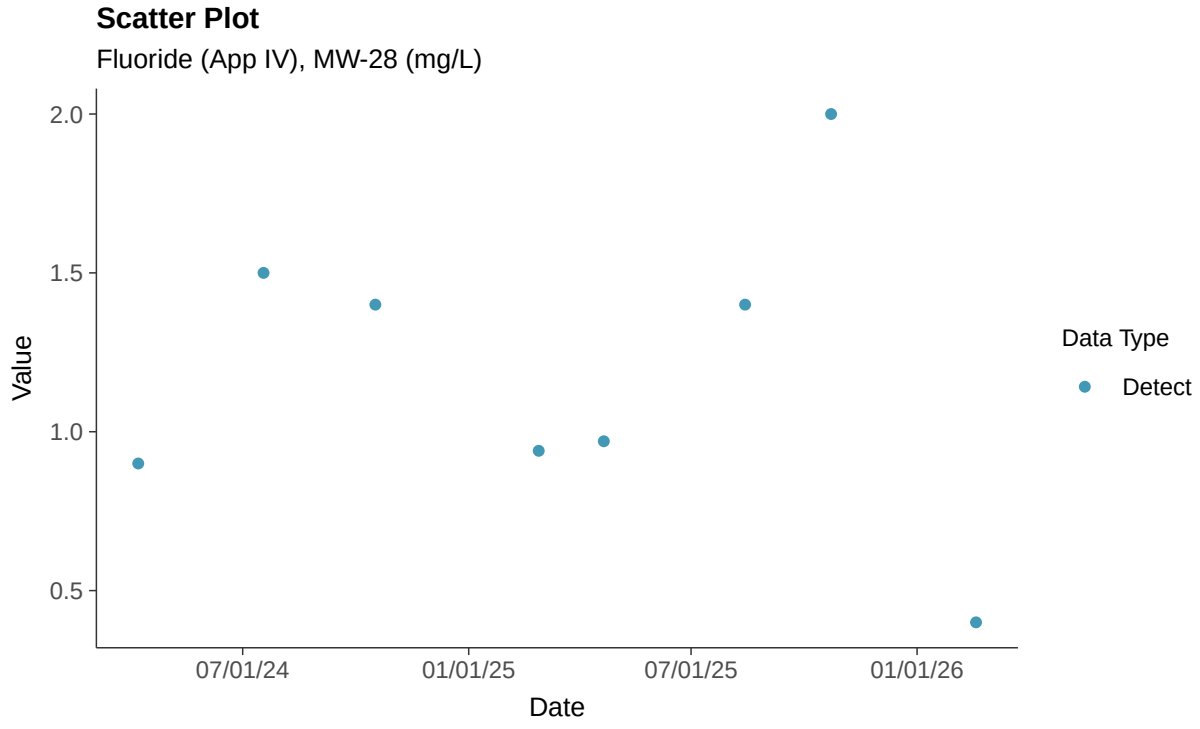
Trend Regression: Piecewise Linear-Linear-Linear

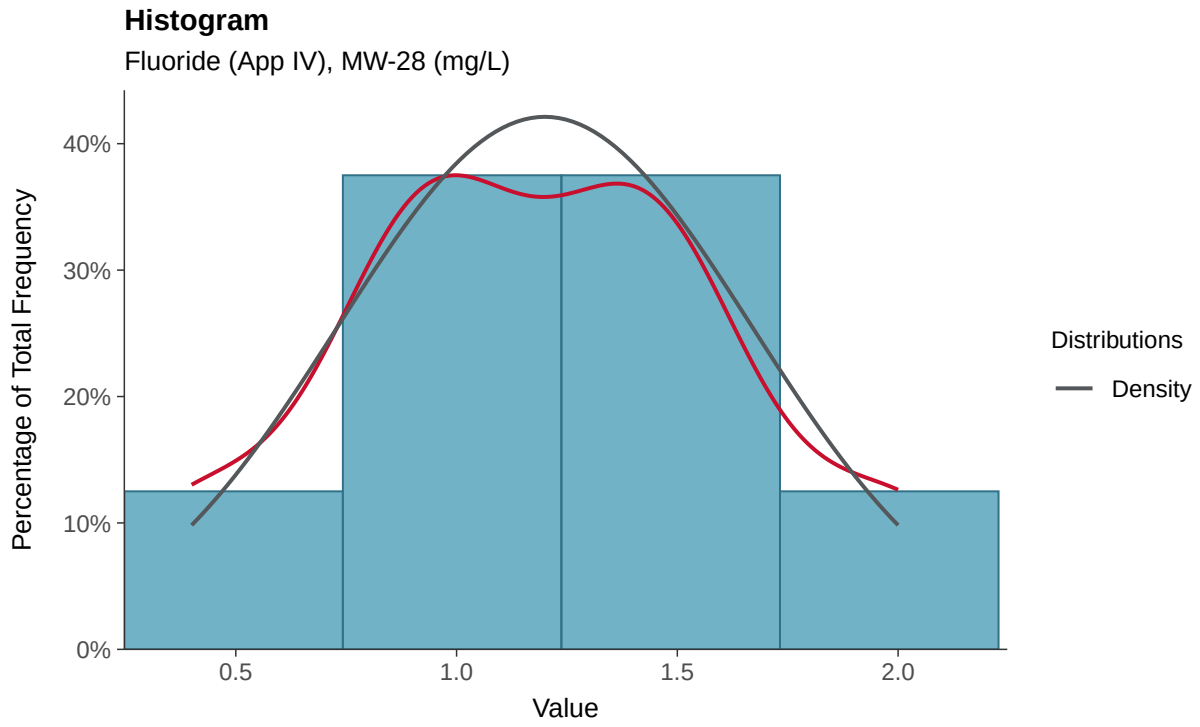
Cobalt, MW-28 (mg/L)



Appendix IV: Fluoride (App IV), MW-28

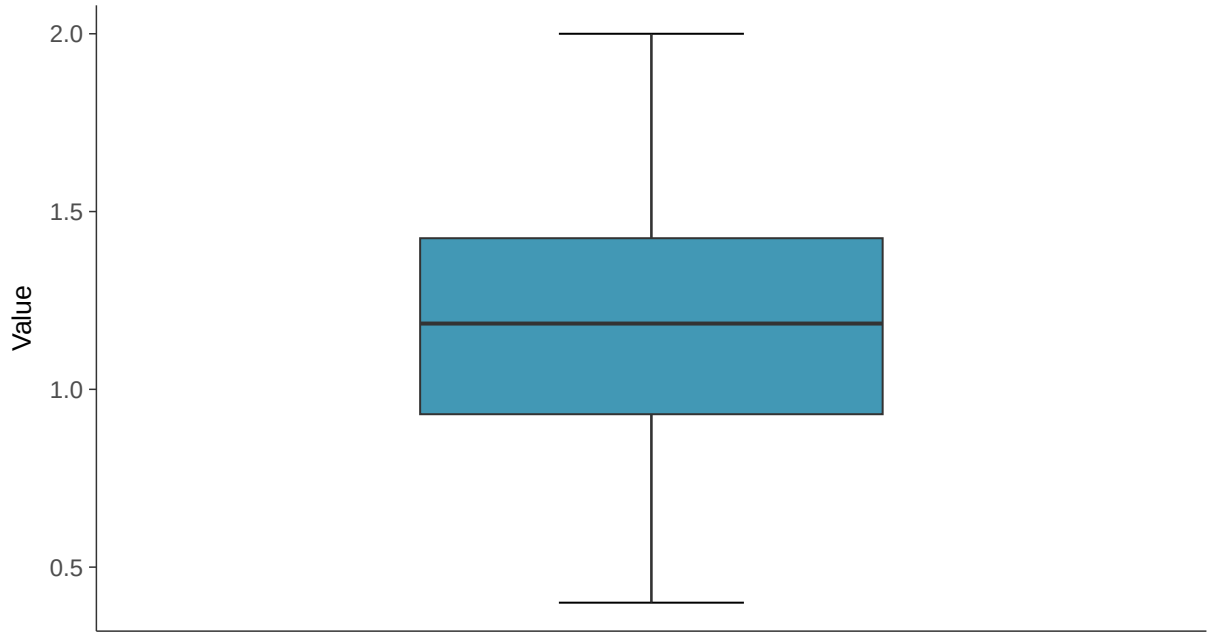
ID: 38_1_4_113





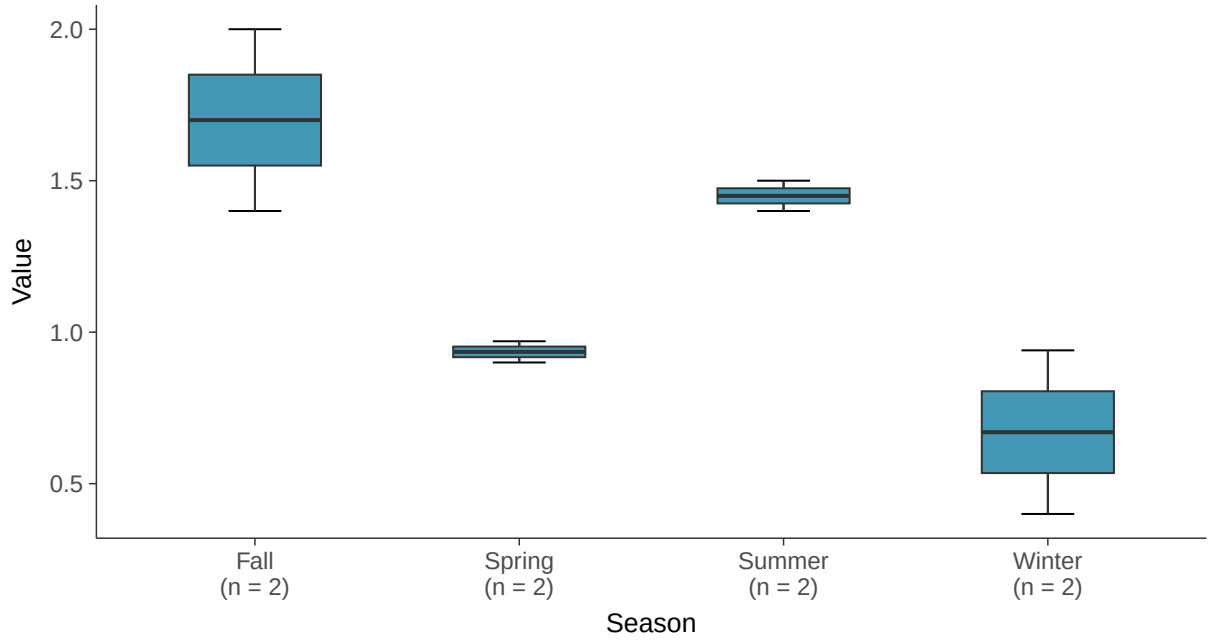
Boxplot

Fluoride (App IV), MW-28 (mg/L)



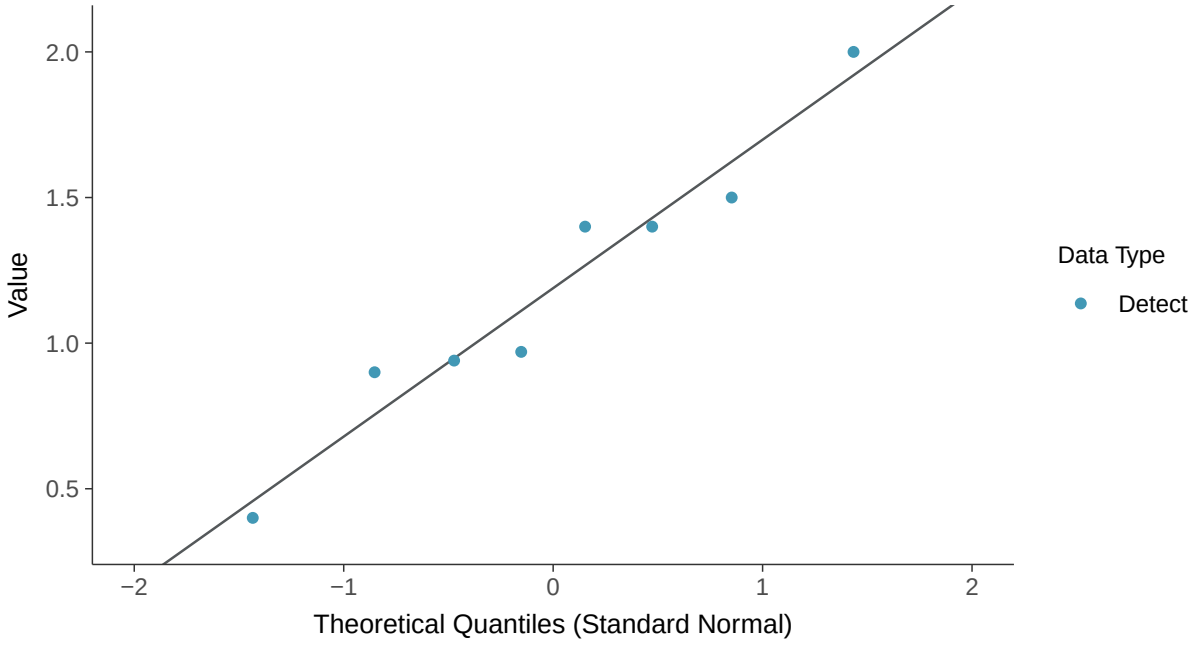
Boxplot by Season

Fluoride (App IV), MW-28 (mg/L)



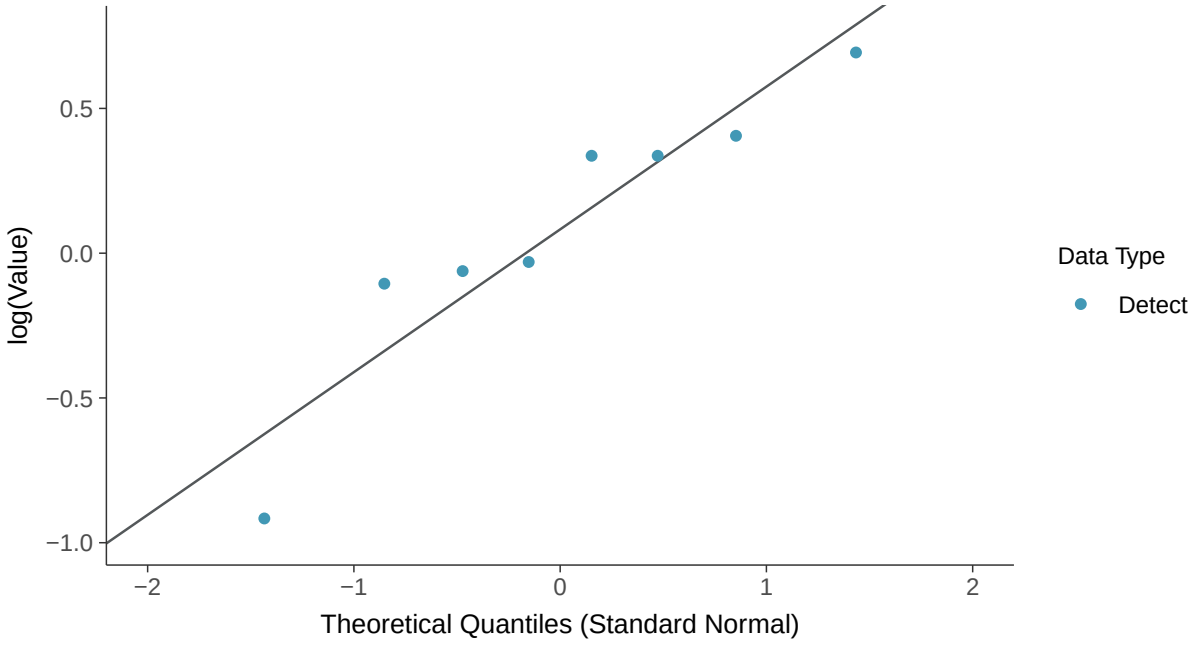
Normal Q-Q plot

Fluoride (App IV), MW-28 (mg/L)



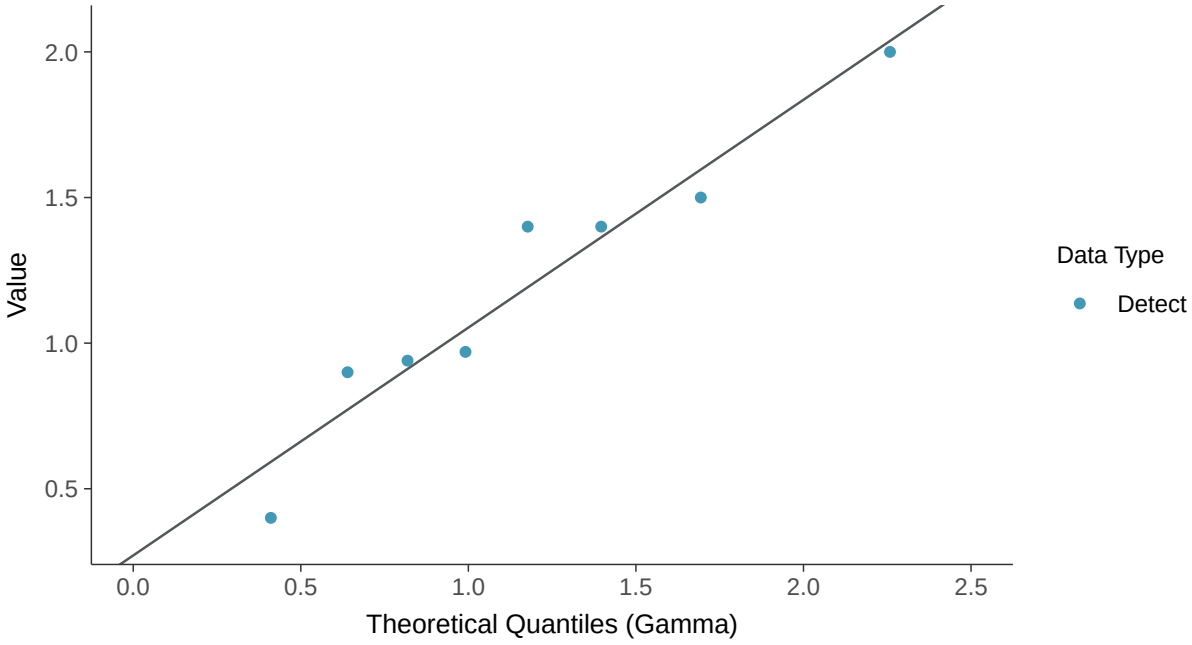
Lognormal Q-Q plot

Fluoride (App IV), MW-28 (mg/L)



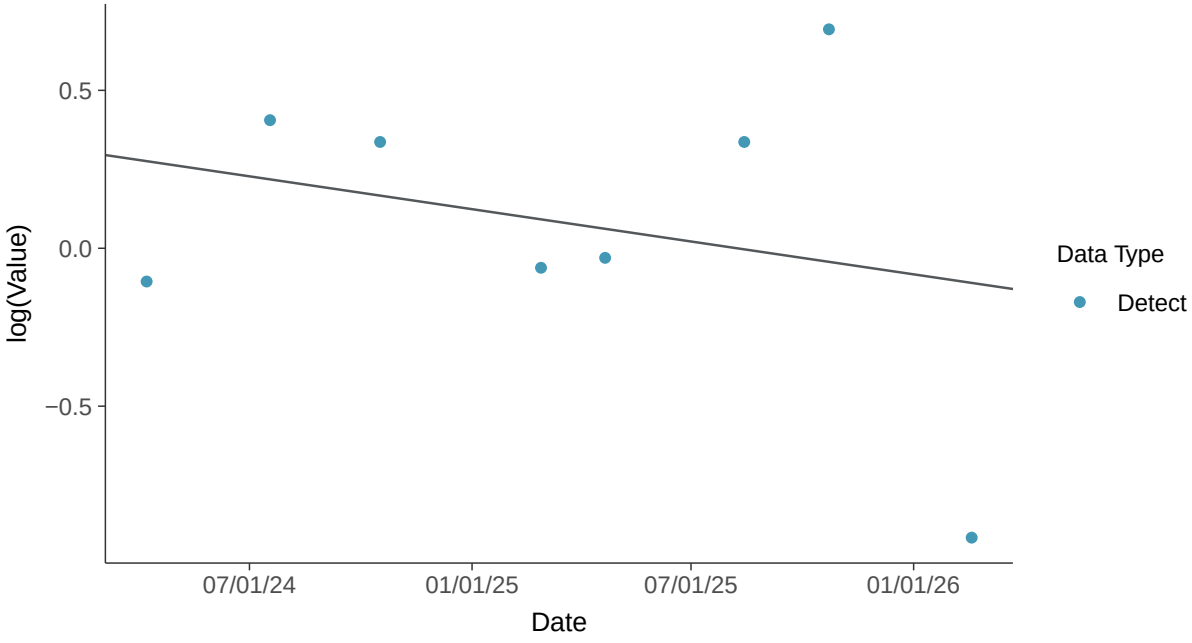
Gamma Q-Q plot

Fluoride (App IV), MW-28 (mg/L)



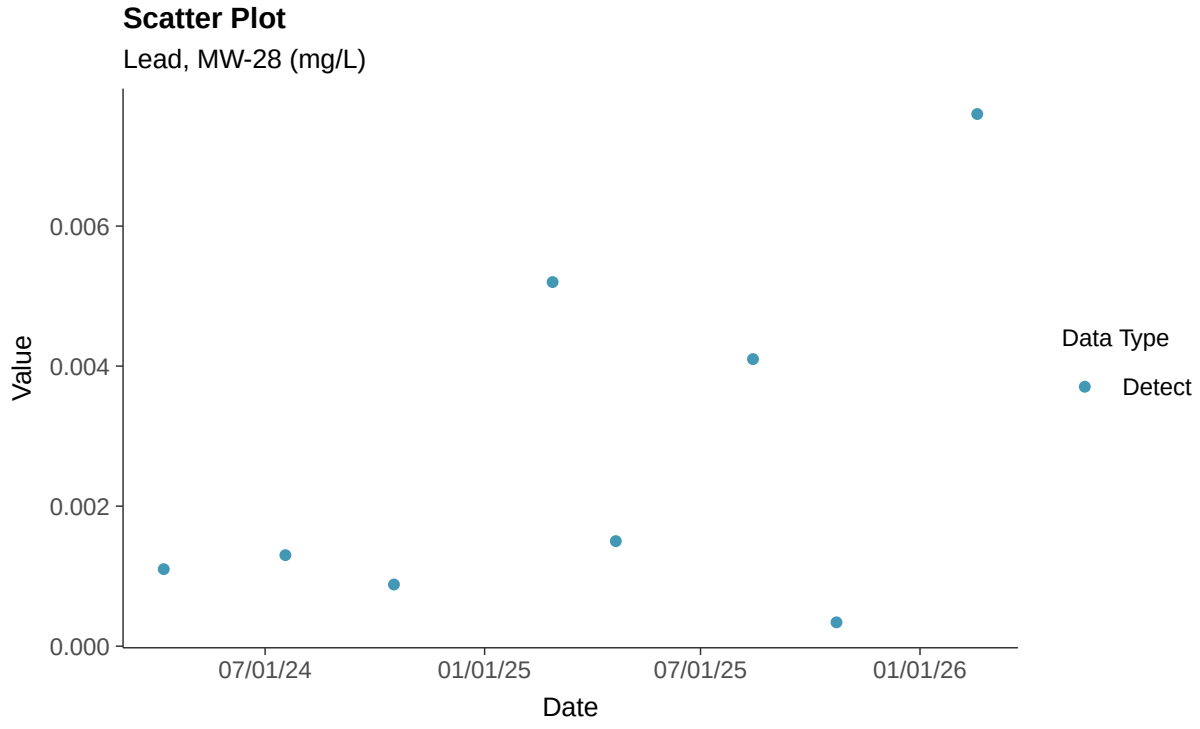
Trend Regression: Lognormal MLE

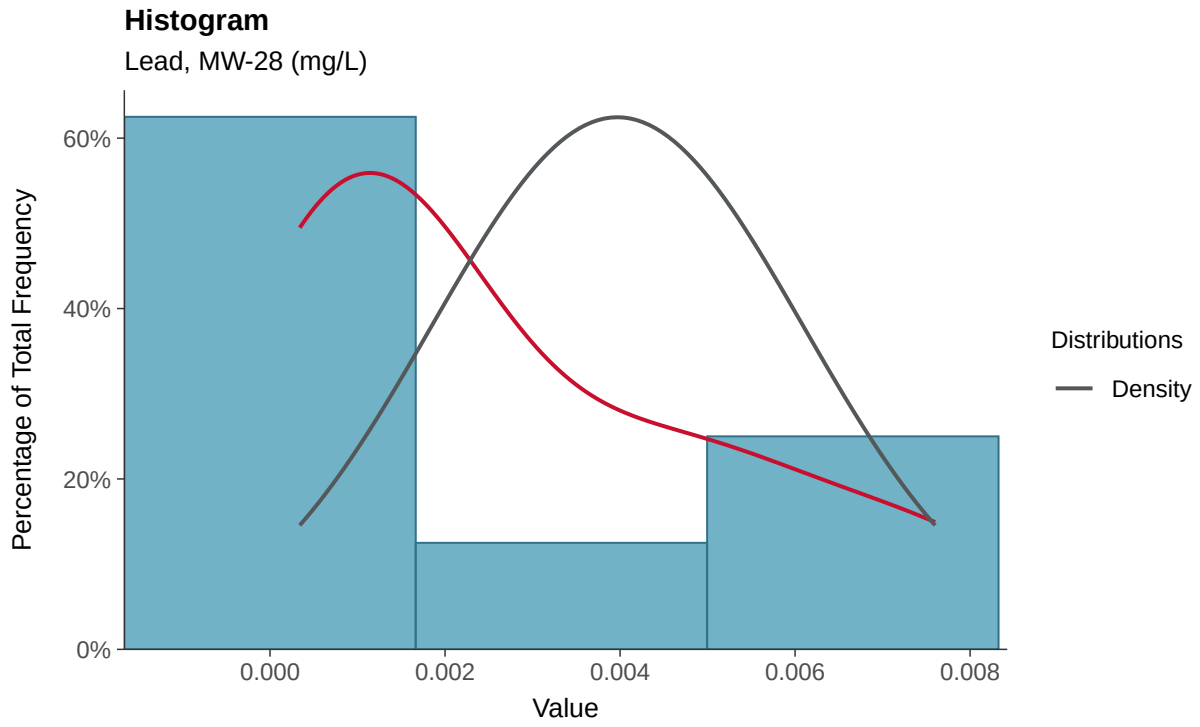
Fluoride (App IV), MW-28 (mg/L)



Appendix IV: Lead, MW-28

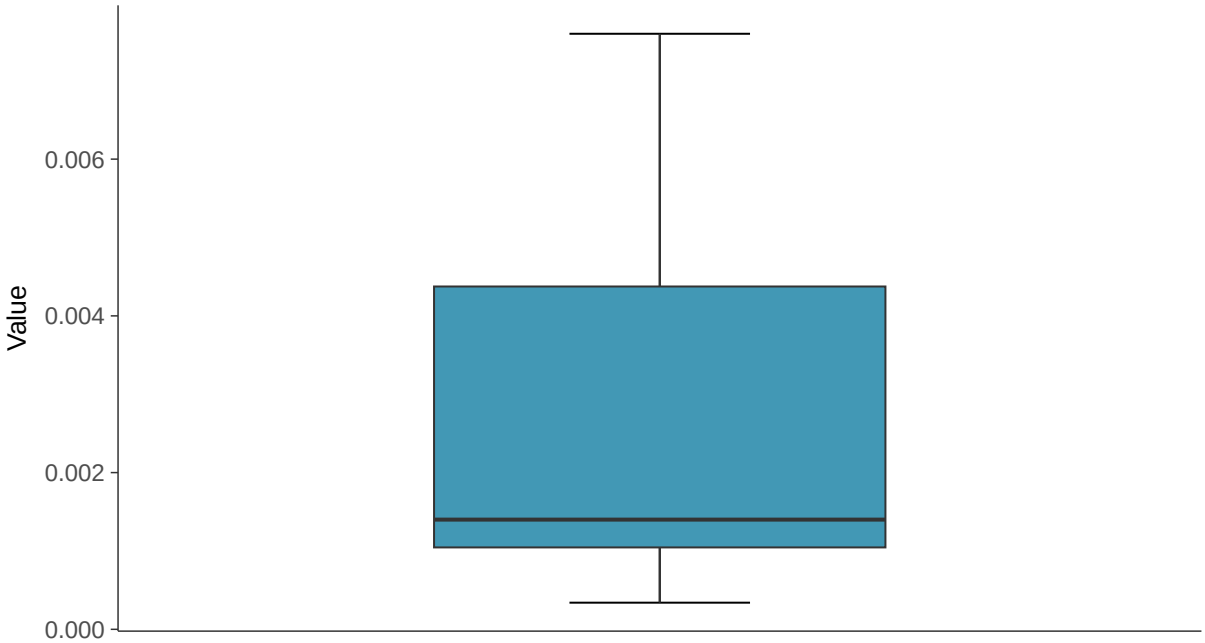
ID: 38_1_4_115





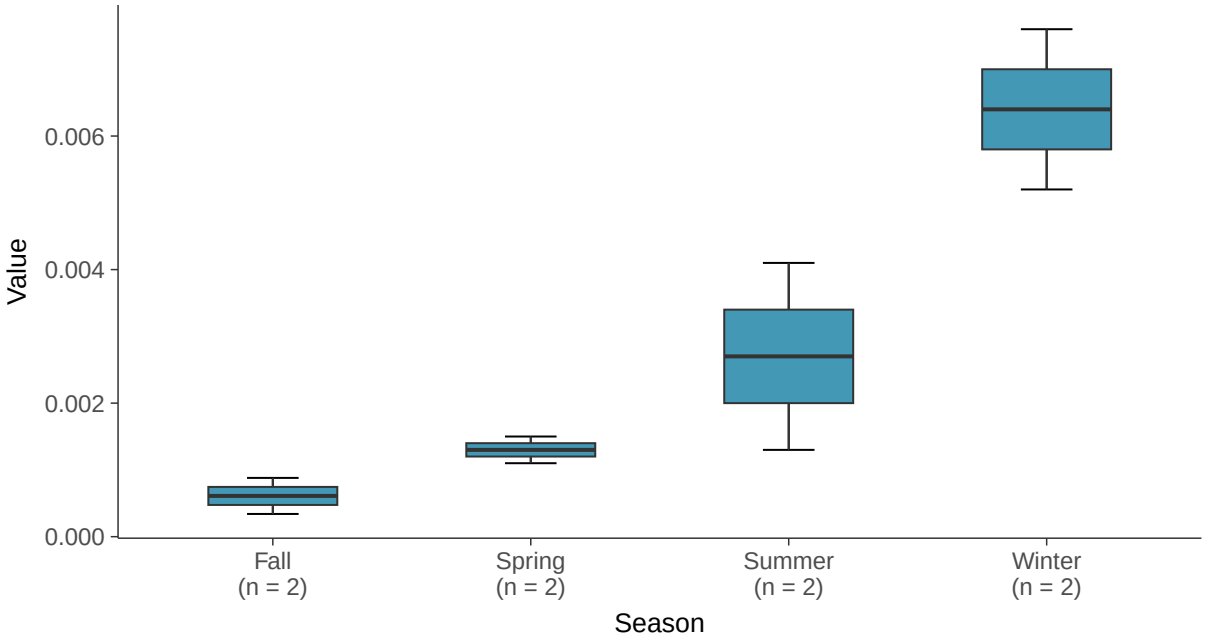
Boxplot

Lead, MW-28 (mg/L)



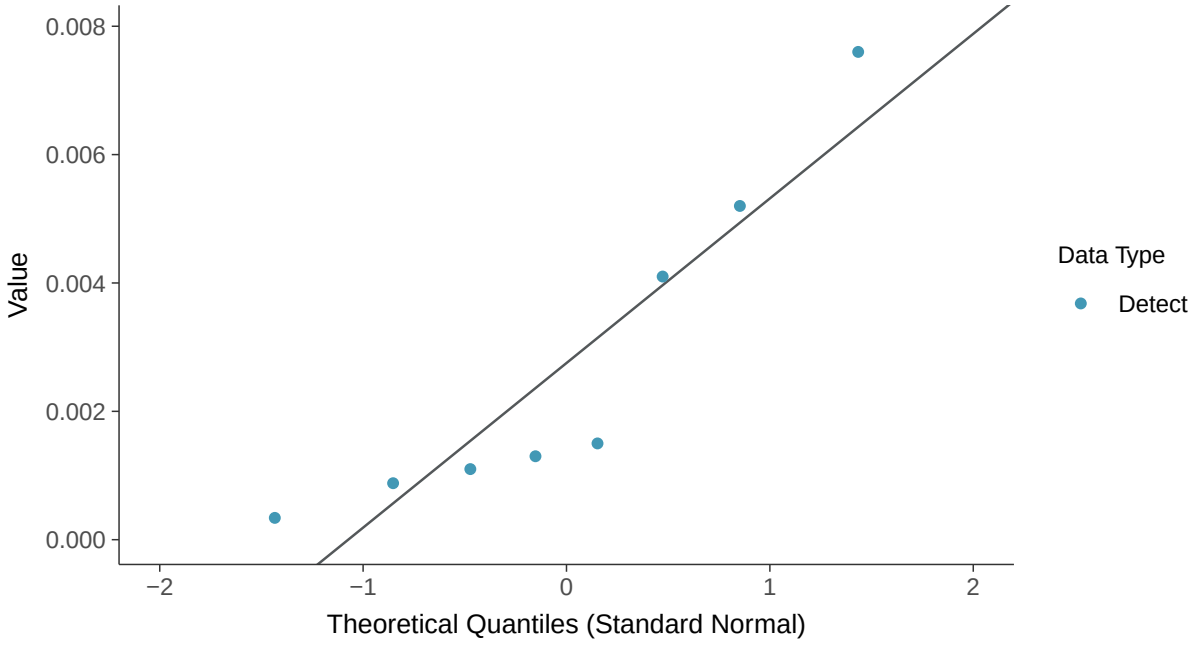
Boxplot by Season

Lead, MW-28 (mg/L)



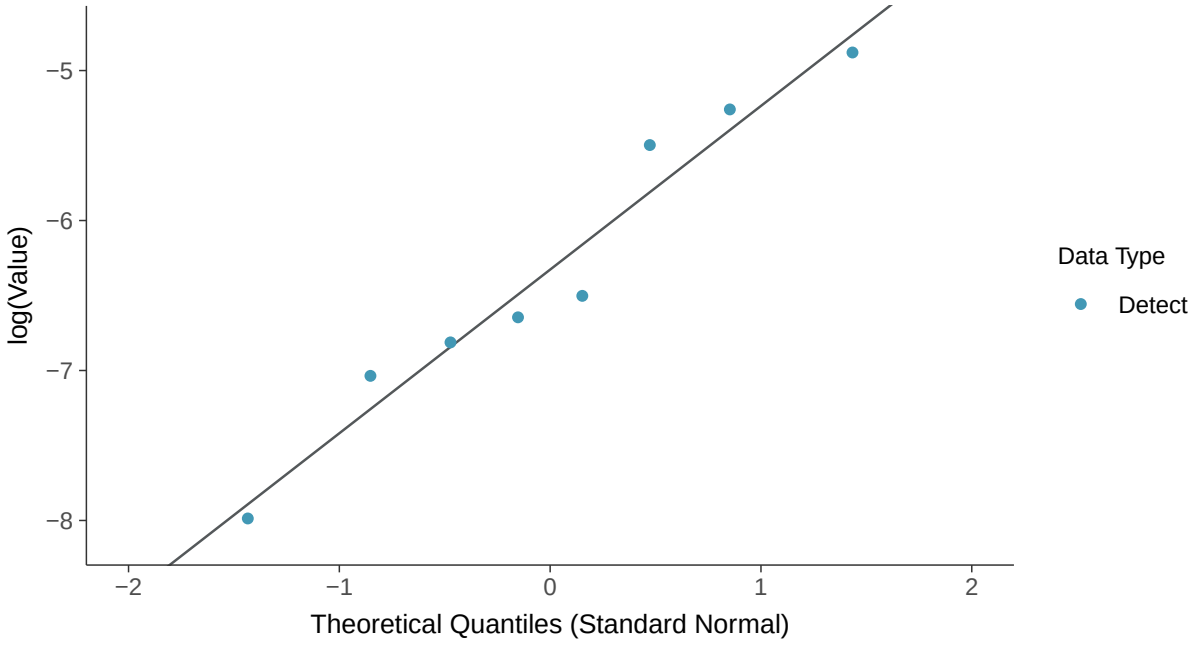
Normal Q-Q plot

Lead, MW-28 (mg/L)



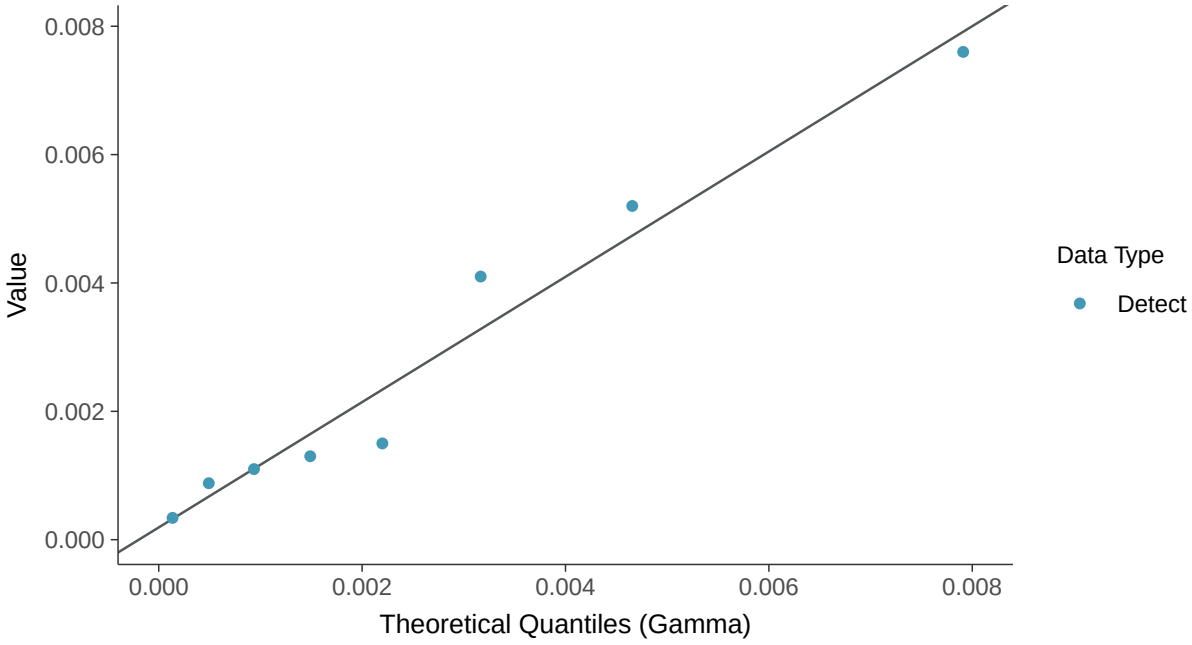
Lognormal Q-Q plot

Lead, MW-28 (mg/L)



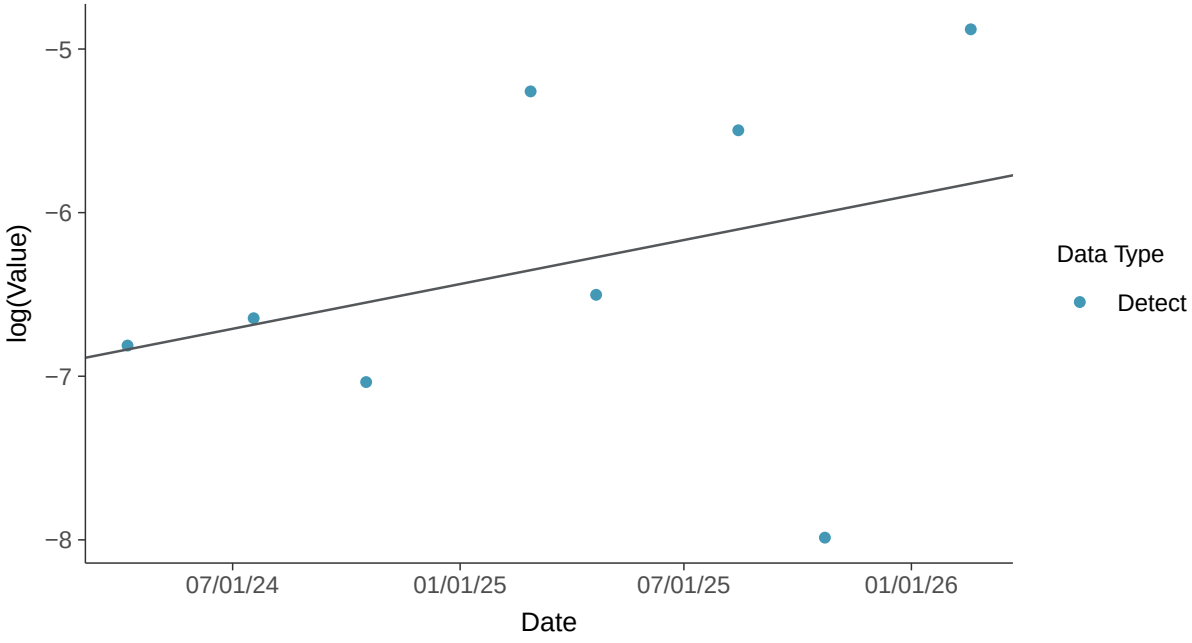
Gamma Q-Q plot

Lead, MW-28 (mg/L)



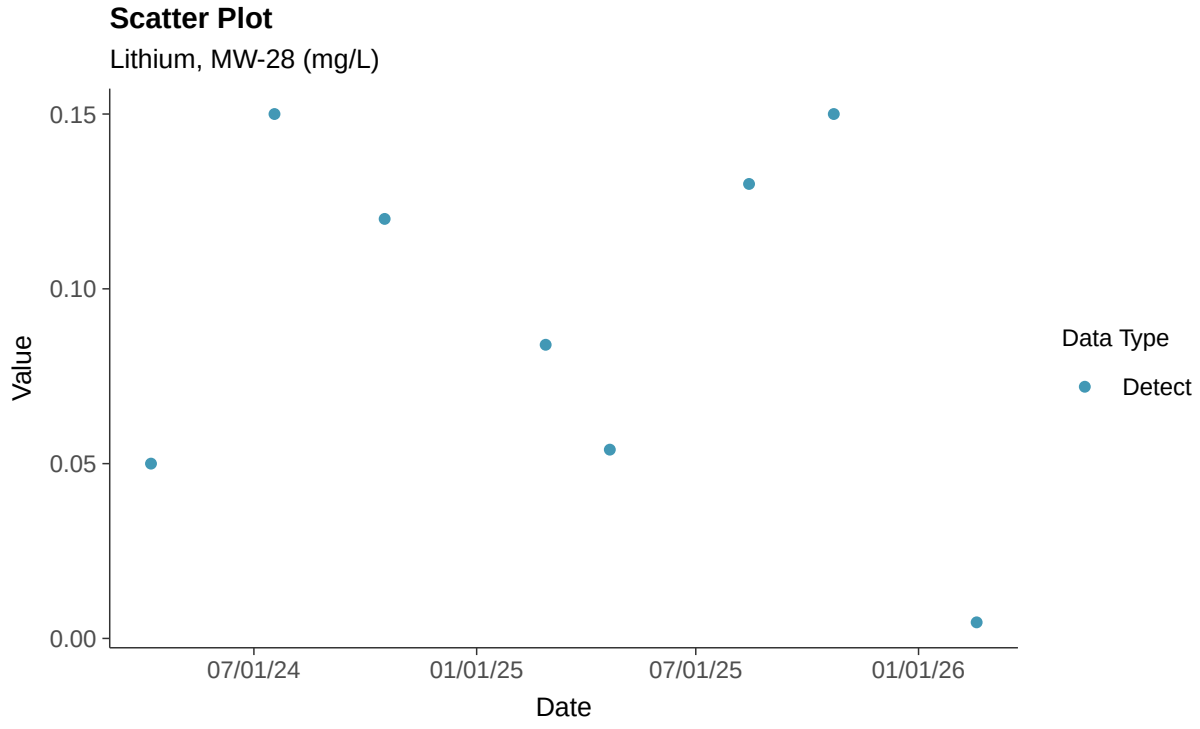
Trend Regression: Lognormal MLE

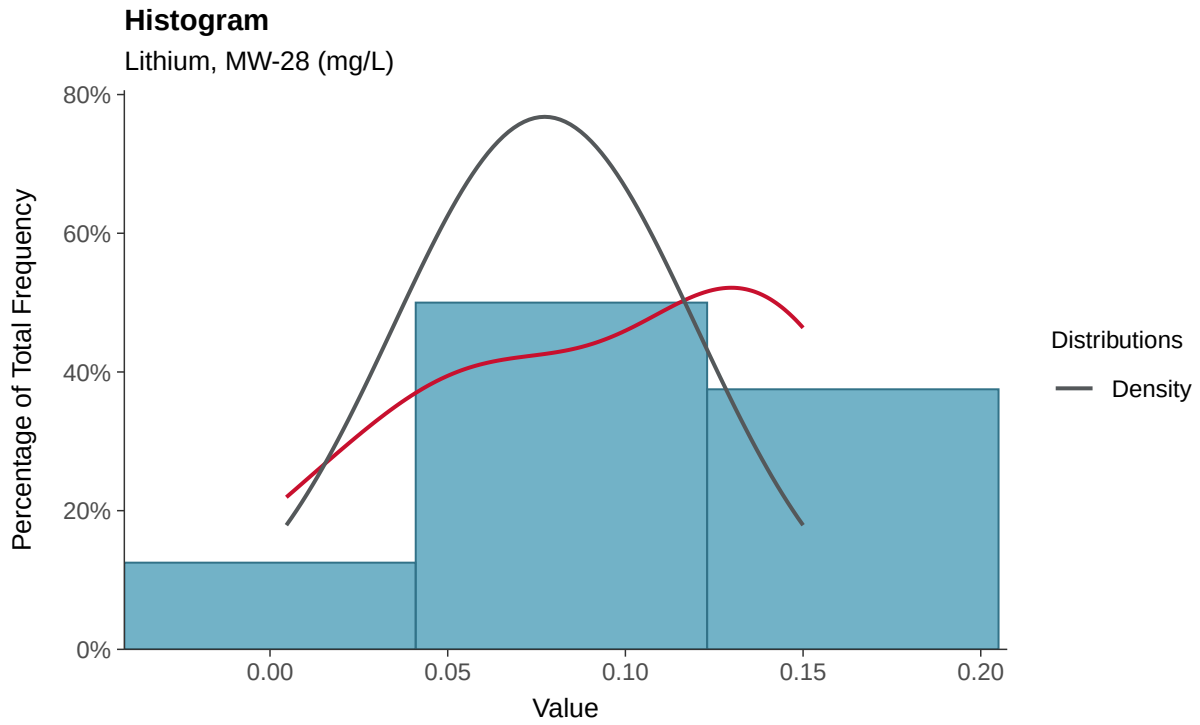
Lead, MW-28 (mg/L)



Appendix IV: Lithium, MW-28

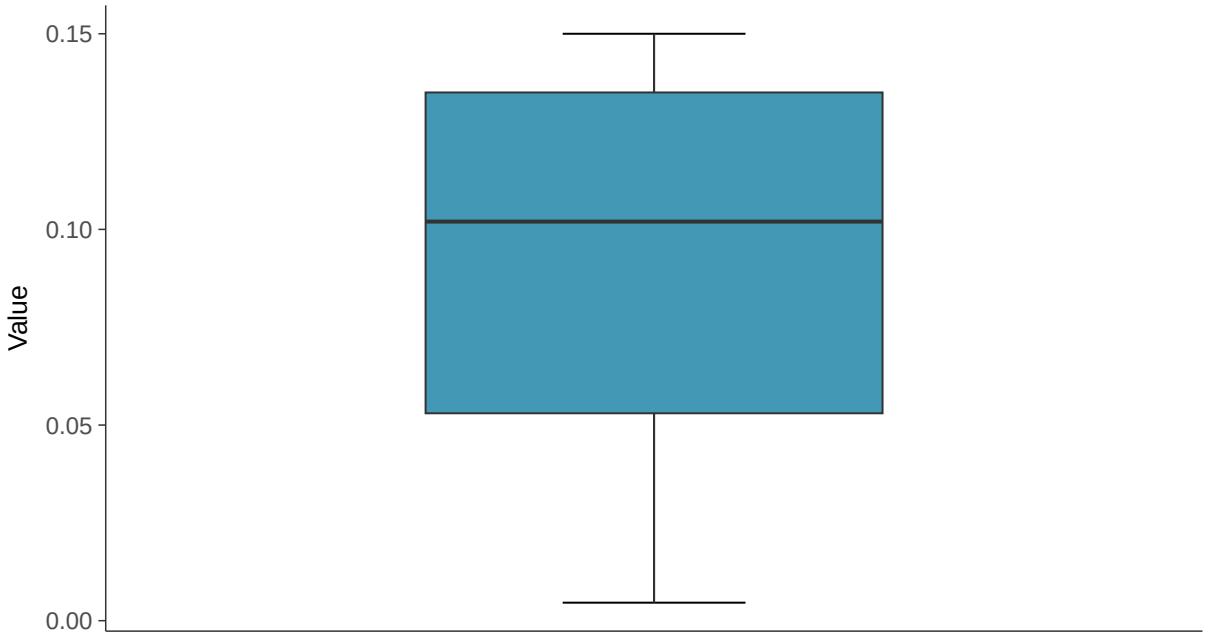
ID: 38_1_4_116





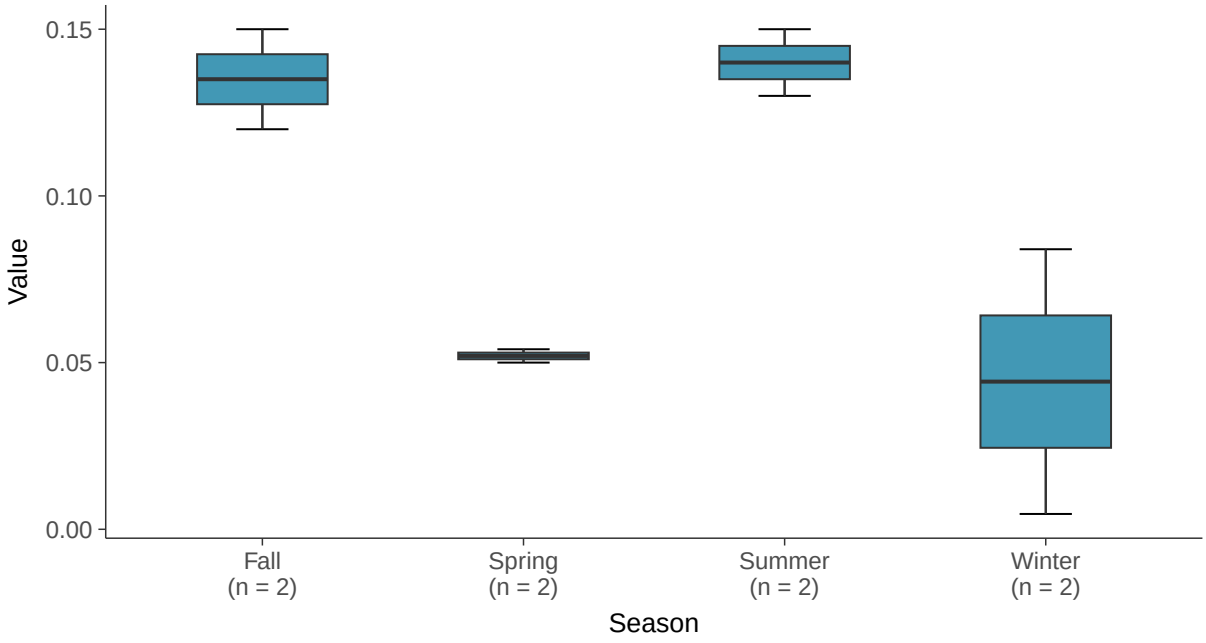
Boxplot

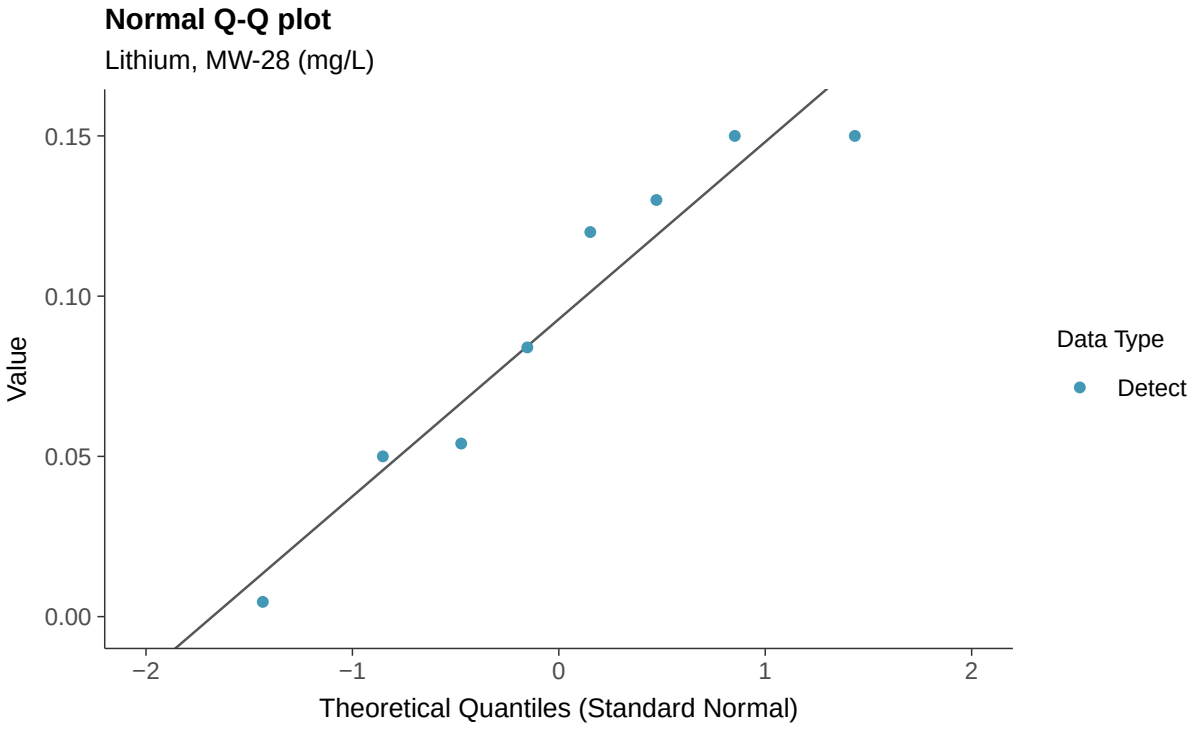
Lithium, MW-28 (mg/L)

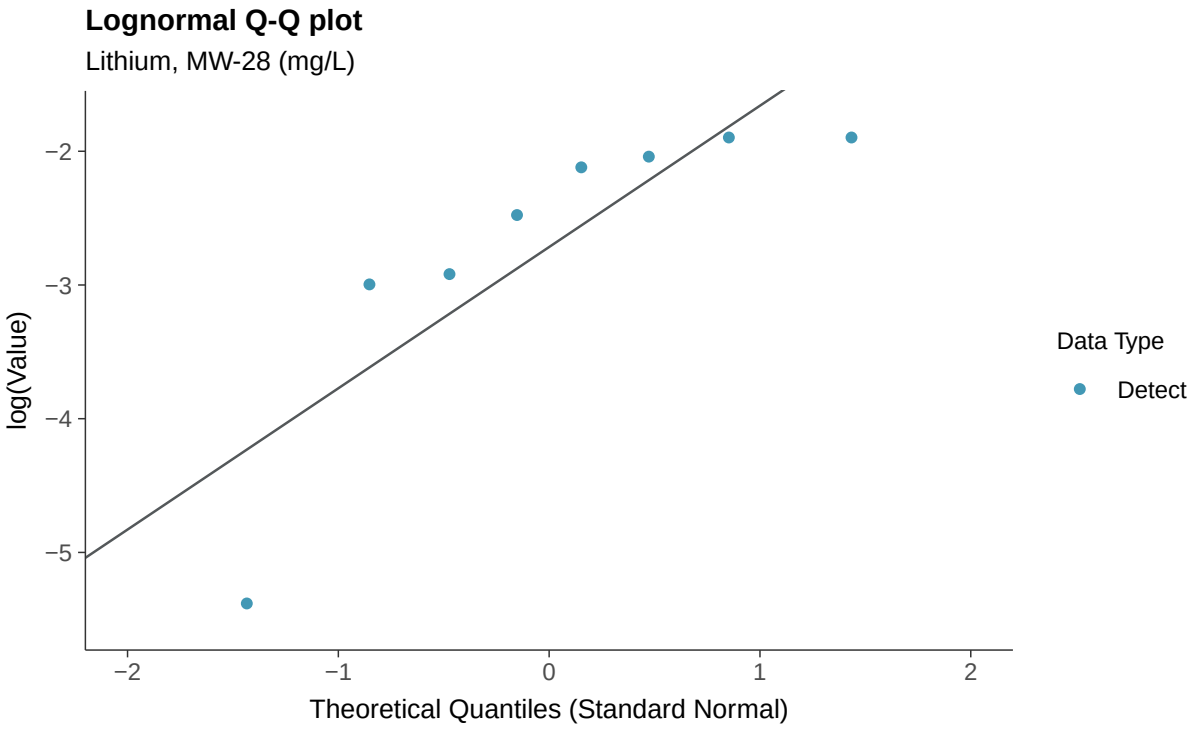


Boxplot by Season

Lithium, MW-28 (mg/L)

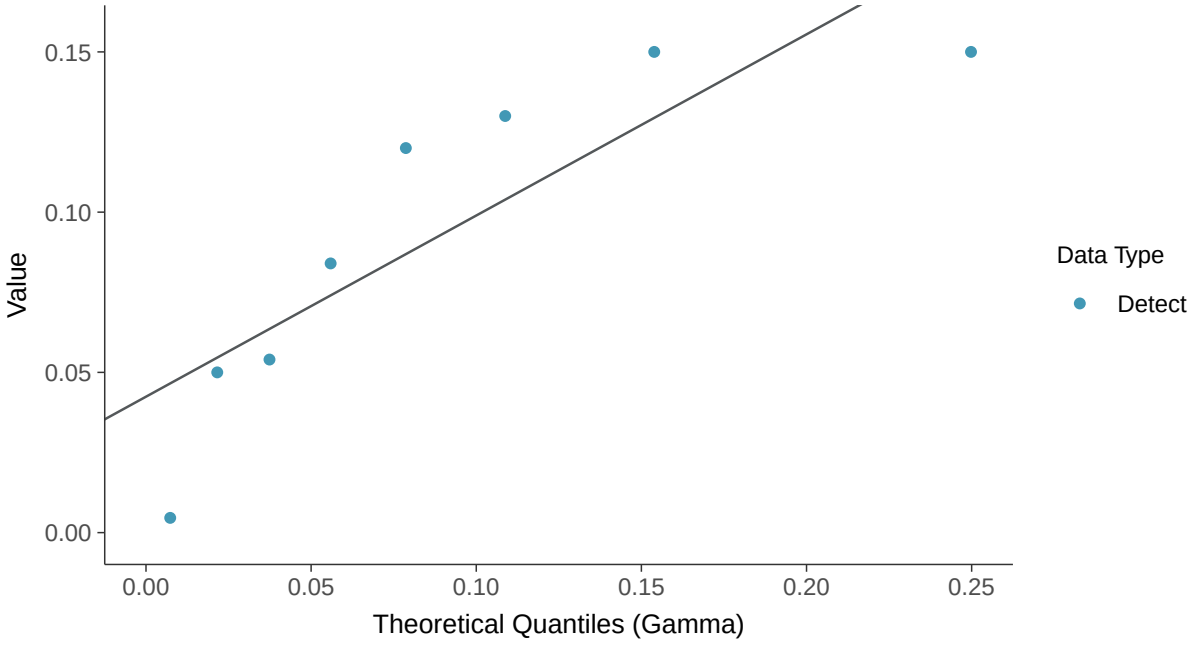



Normal Q-Q plot
Lithium, MW-28 (mg/L)
Value
0.15
0.10
0.05
0.00
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Lithium, MW-28 (mg/L)
log(Value)
−2
−3
−4
−5
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

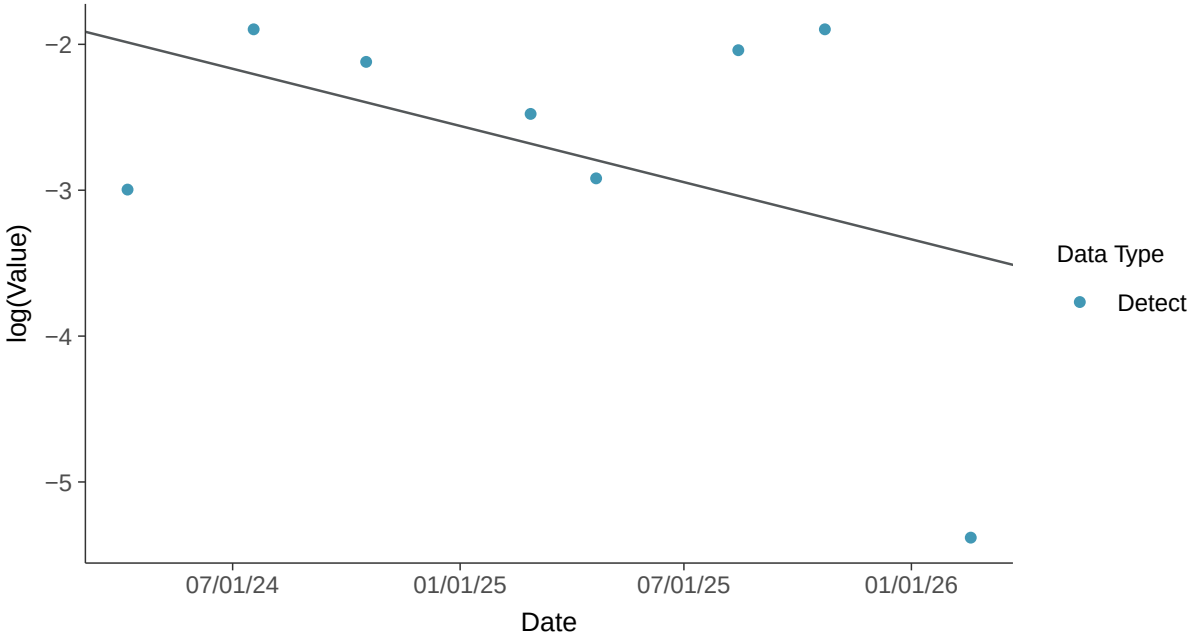
Gamma Q-Q plot

Lithium, MW-28 (mg/L)



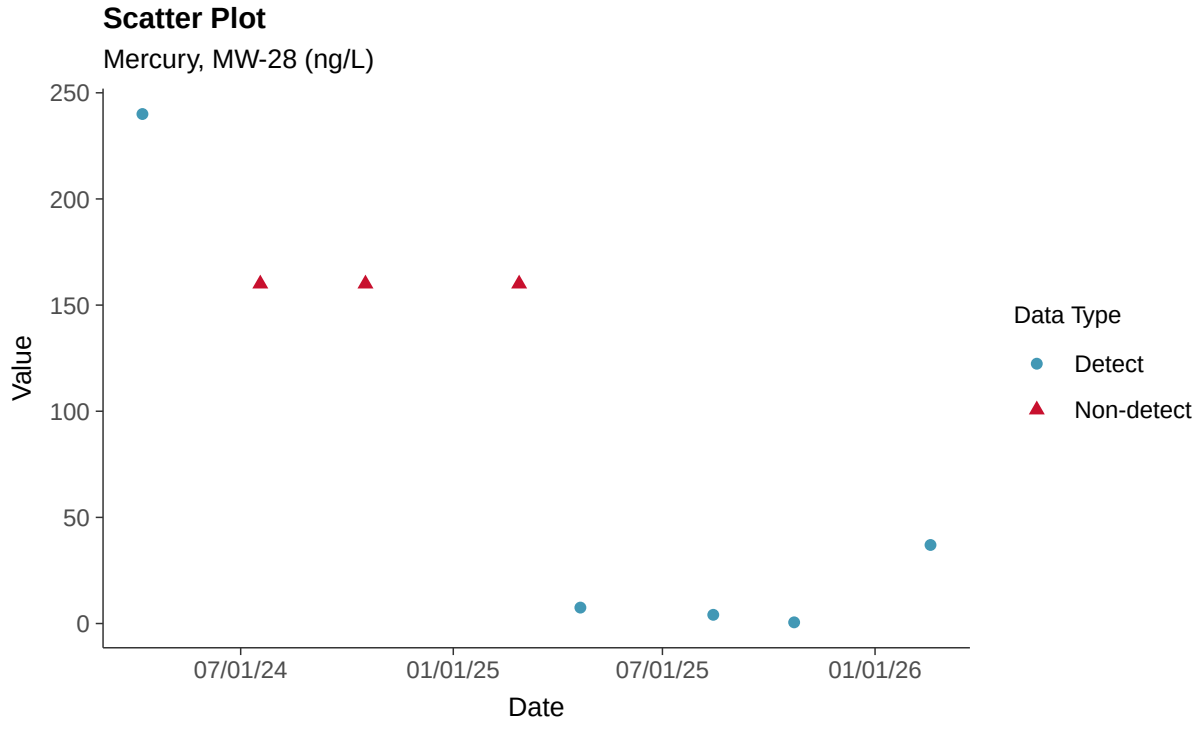
Trend Regression: Lognormal MLE

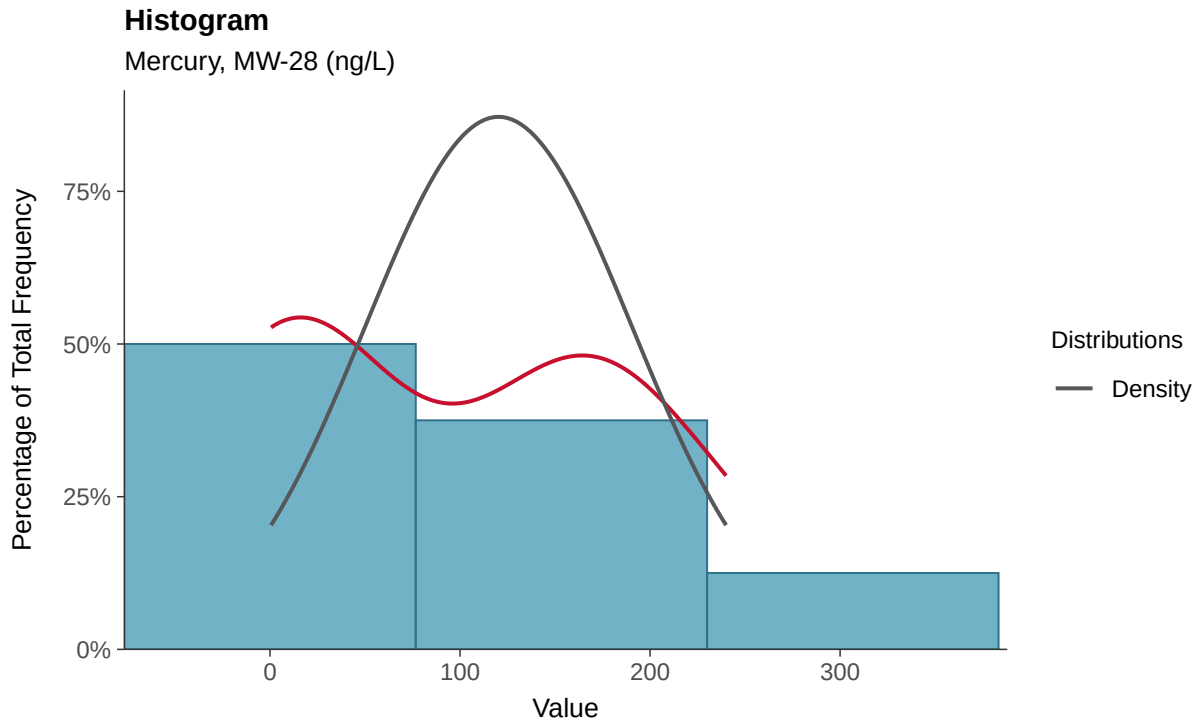
Lithium, MW-28 (mg/L)



Appendix IV: Mercury, MW-28

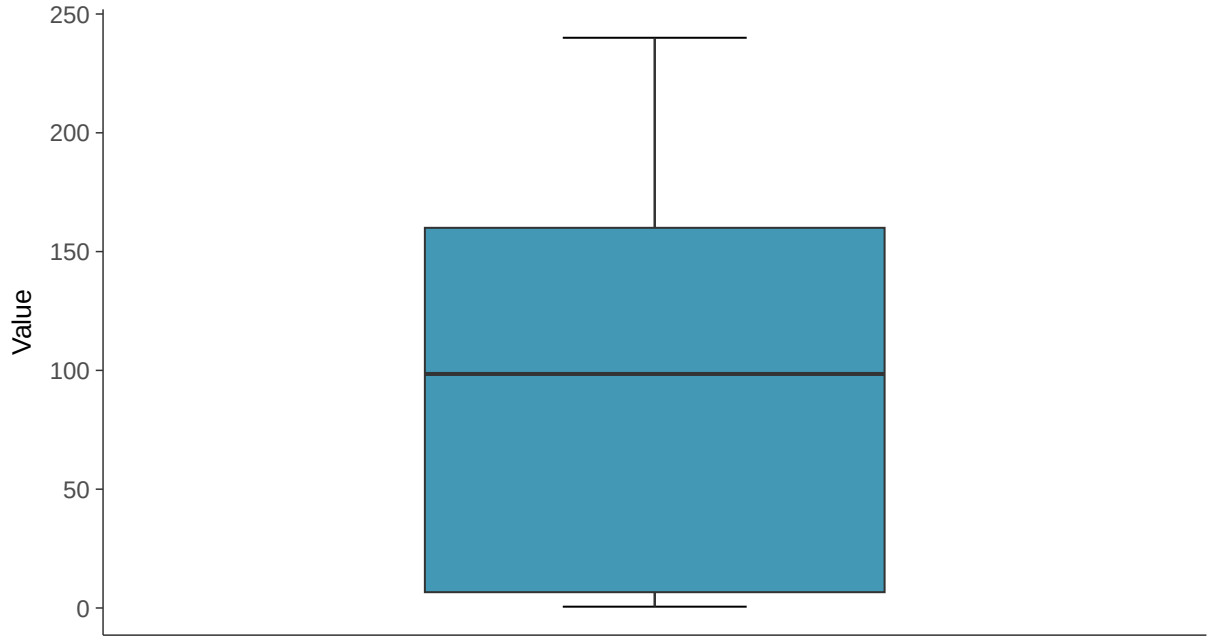
ID: 38_1_4_117





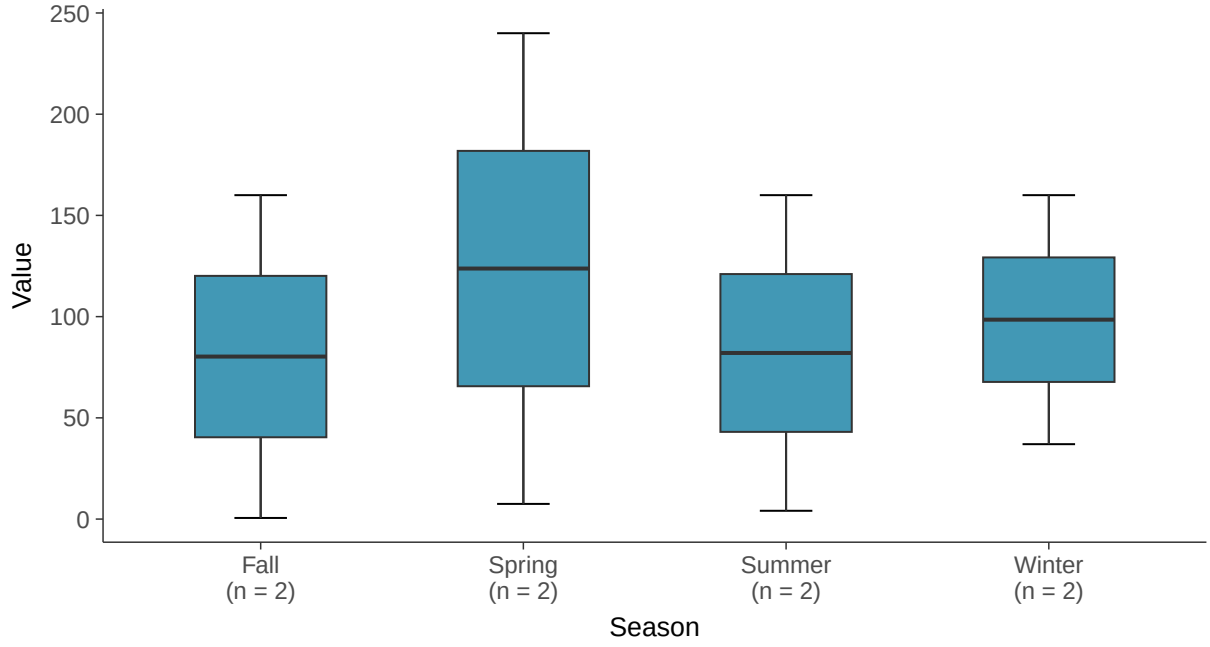
Boxplot

Mercury, MW-28 (ng/L)



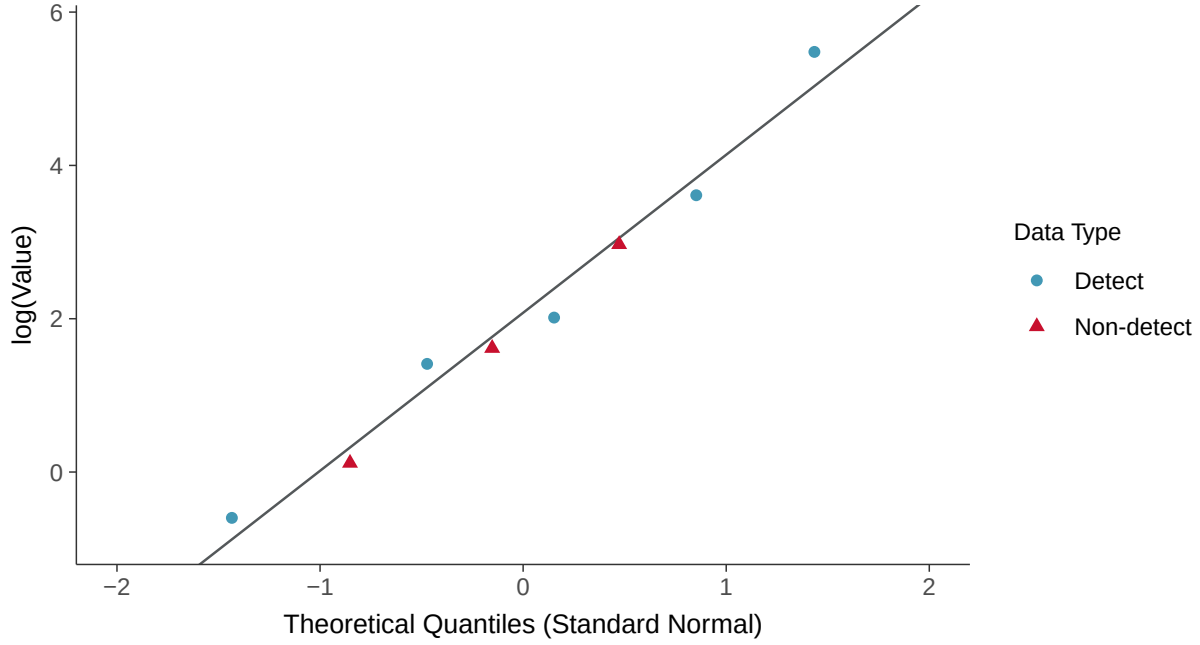
Boxplot by Season

Mercury, MW-28 (ng/L)



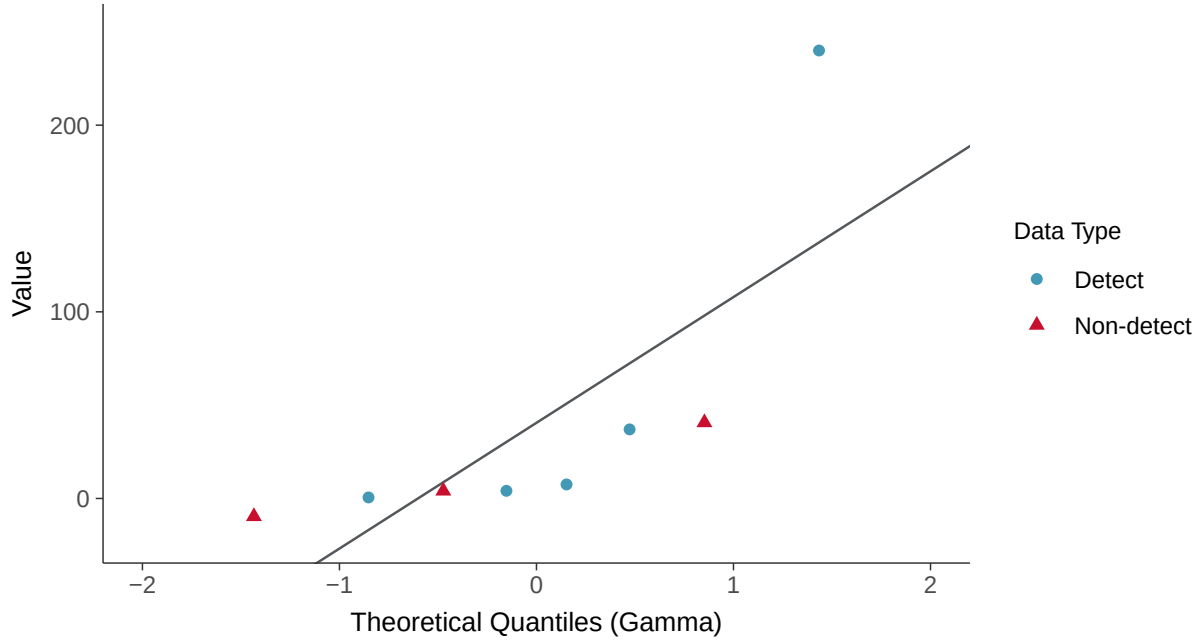
Lognormal Q-Q plot using ROS Imputed Estimates

Mercury, MW-28 (ng/L)



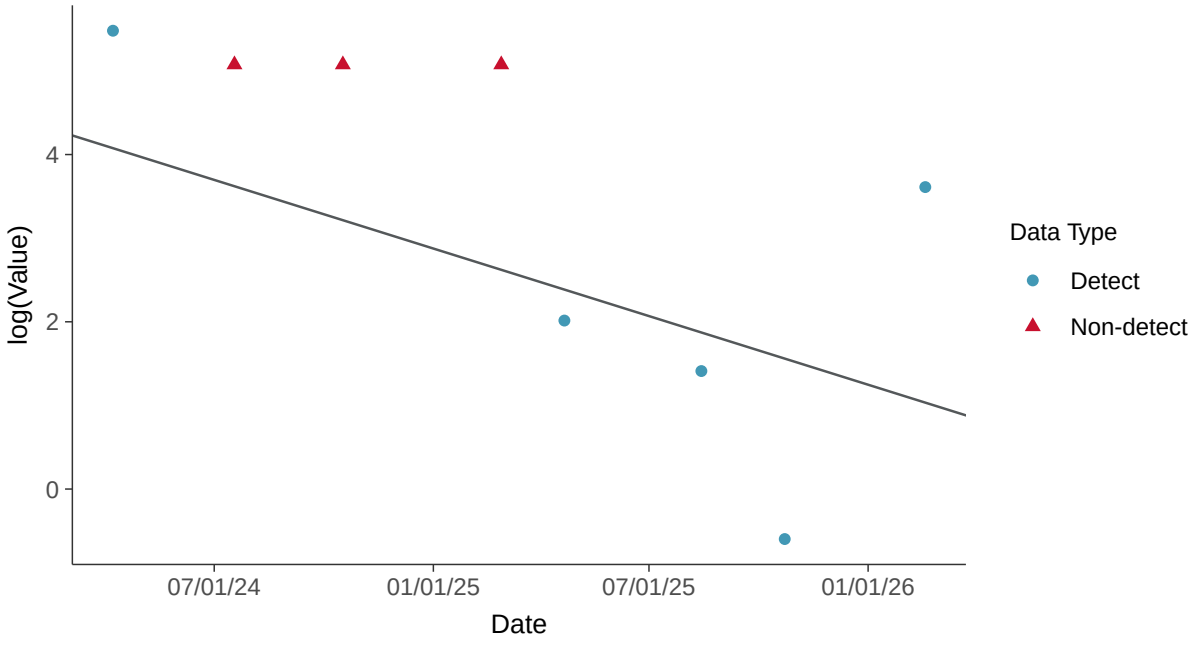
Gamma Q-Q plot using ROS Imputed Estimates

Mercury, MW-28 (ng/L)



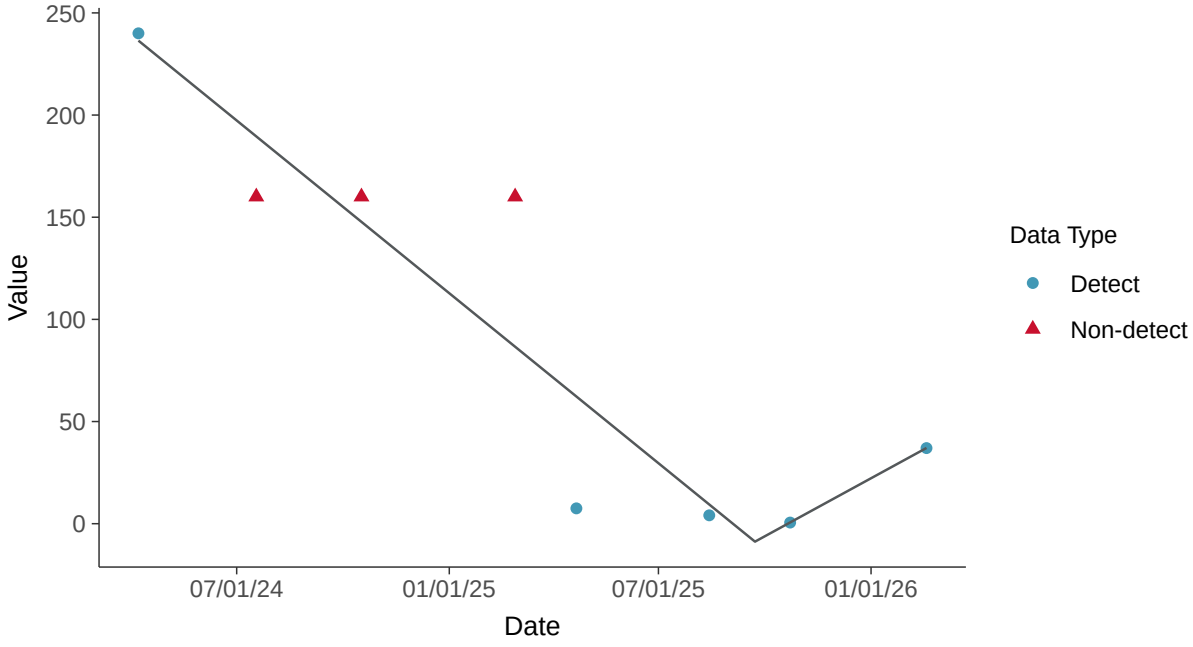
Trend Regression: Lognormal MLE

Mercury, MW-28 (ng/L)



Trend Regression: Piecewise Linear-Linear

Mercury, MW-28 (ng/L)

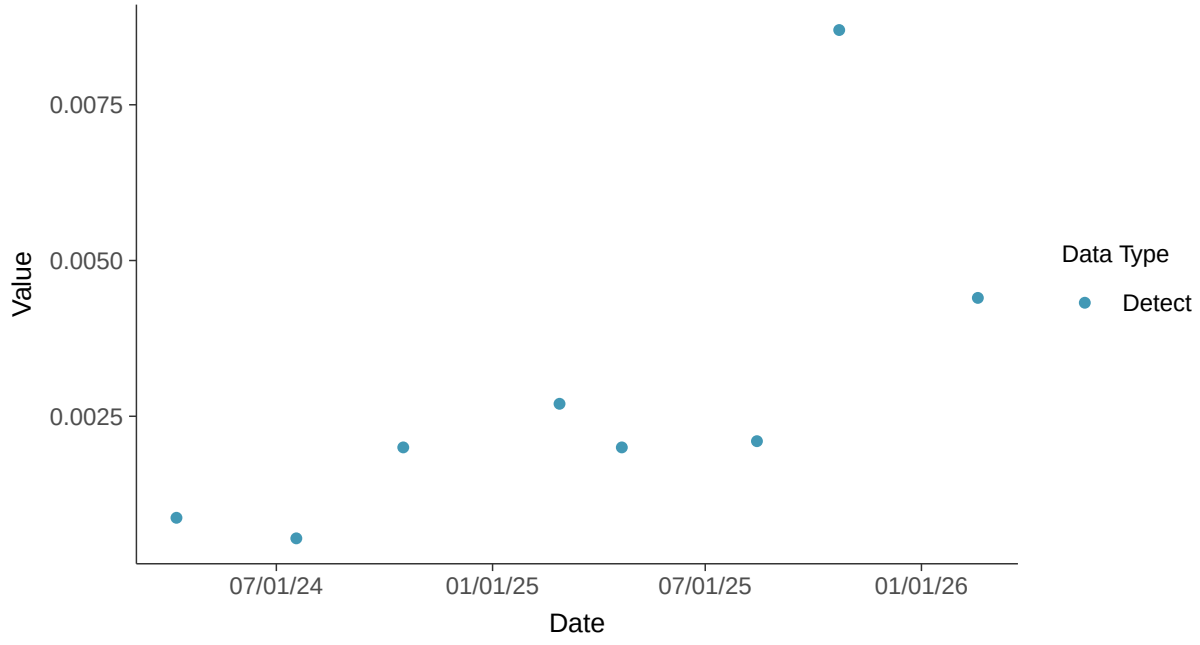


Appendix IV: Molybdenum, MW-28

ID: 38_1_4_118

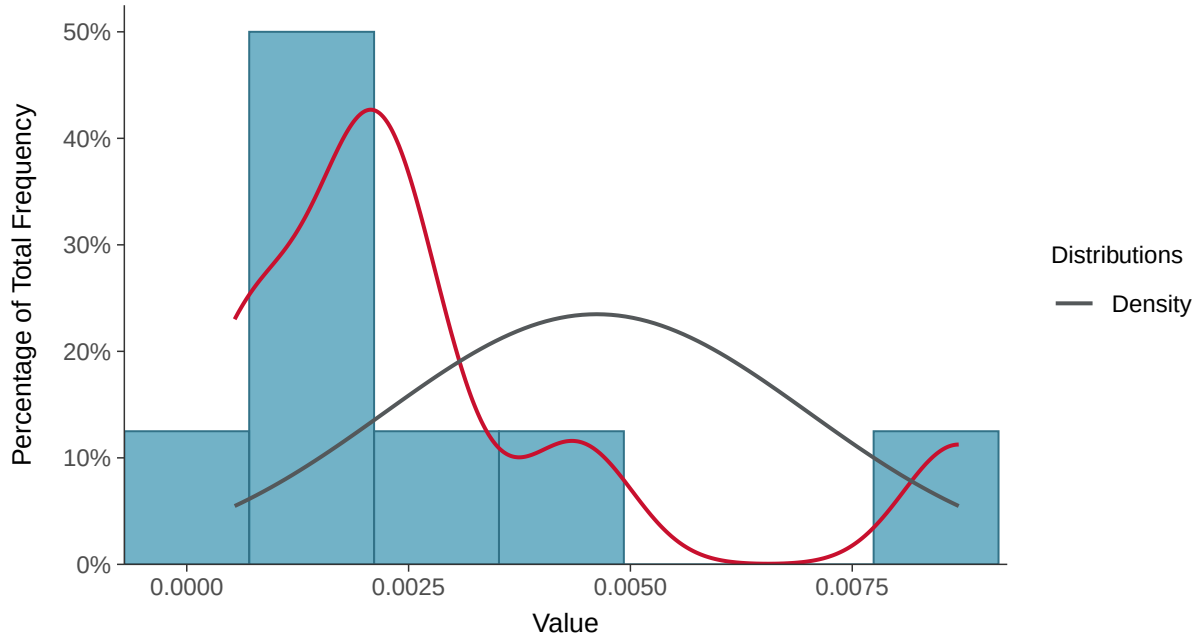
Scatter Plot

Molybdenum, MW-28 (mg/L)



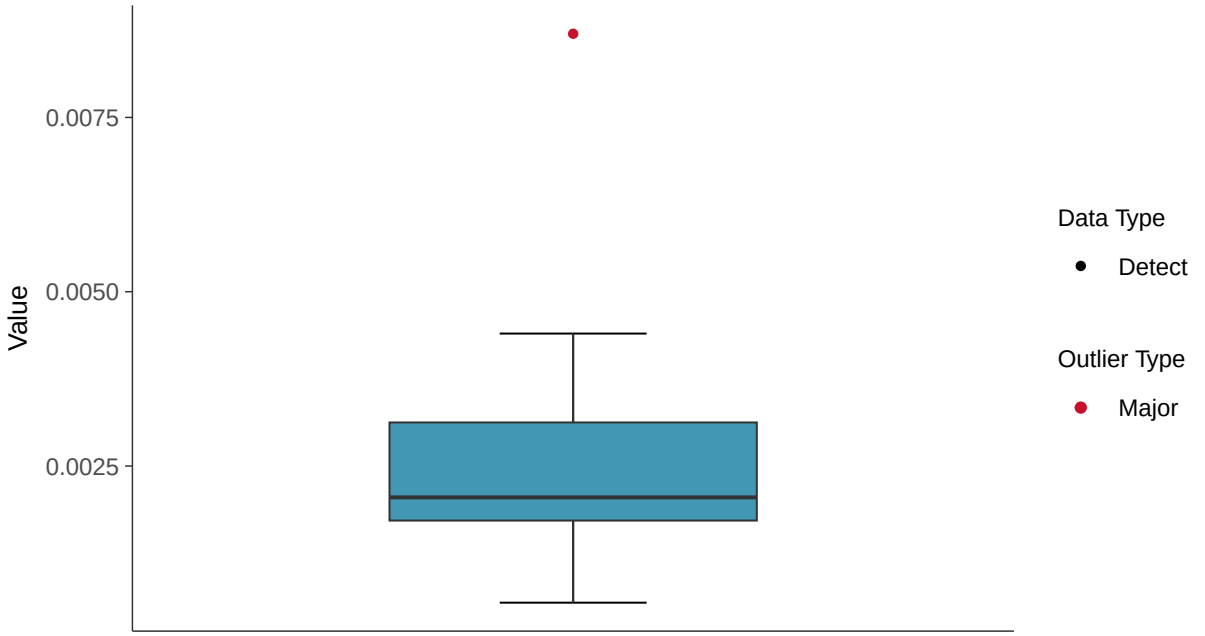
Histogram

Molybdenum, MW-28 (mg/L)



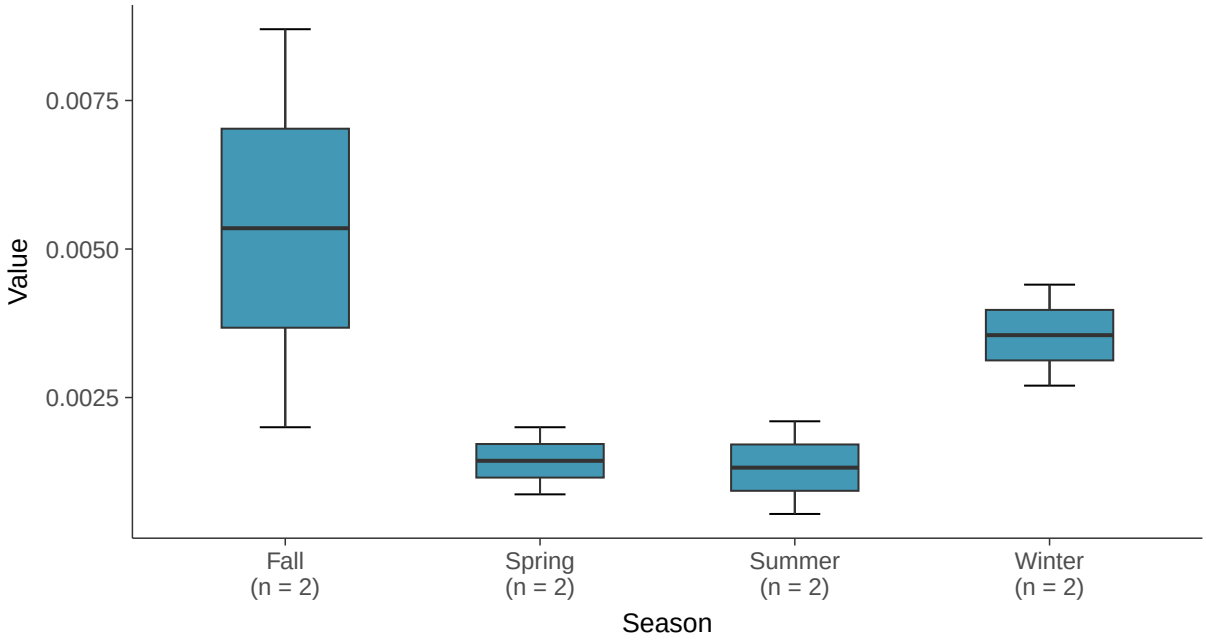
Boxplot

Molybdenum, MW-28 (mg/L)



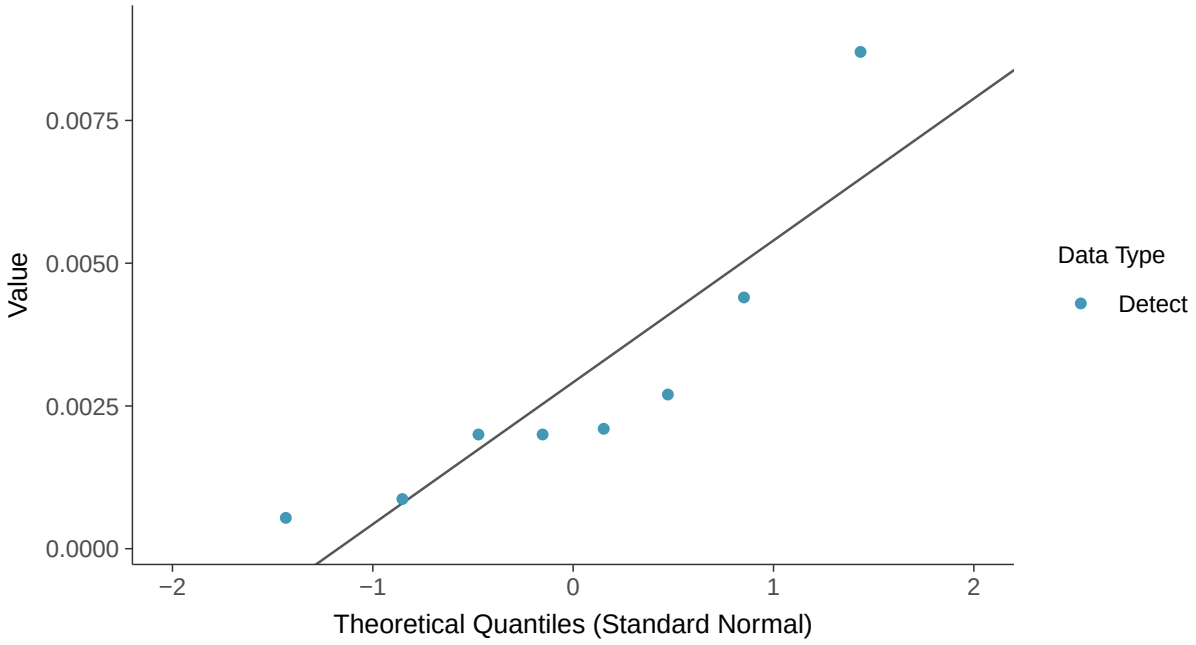
Boxplot by Season

Molybdenum, MW-28 (mg/L)



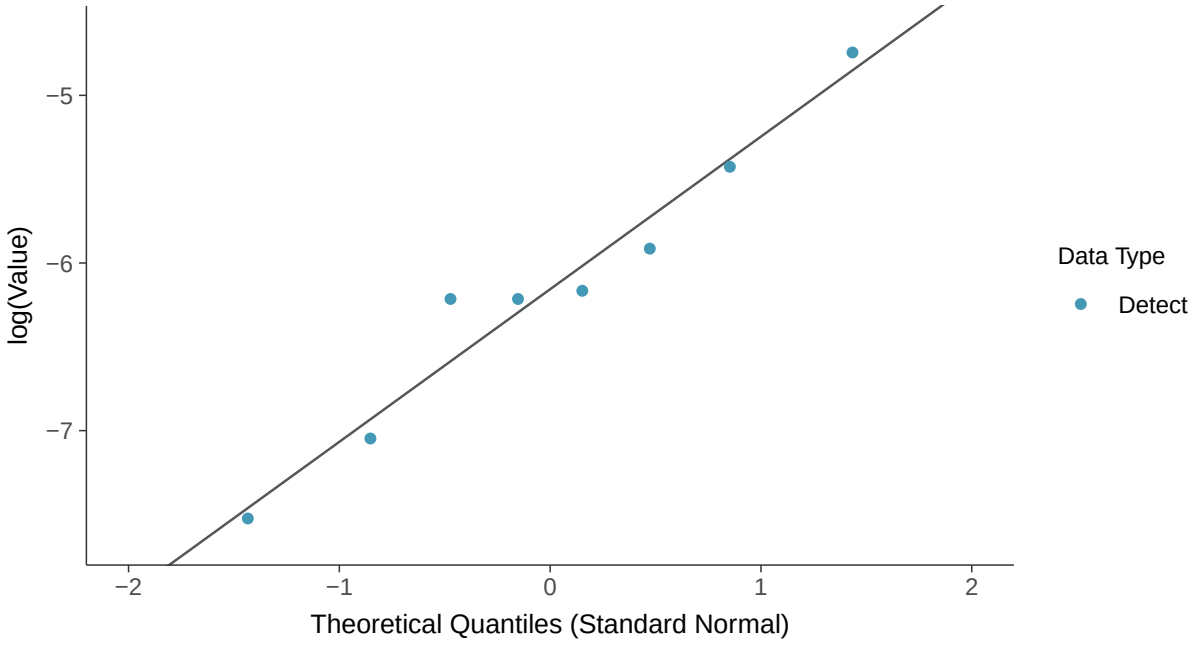
Normal Q-Q plot

Molybdenum, MW-28 (mg/L)



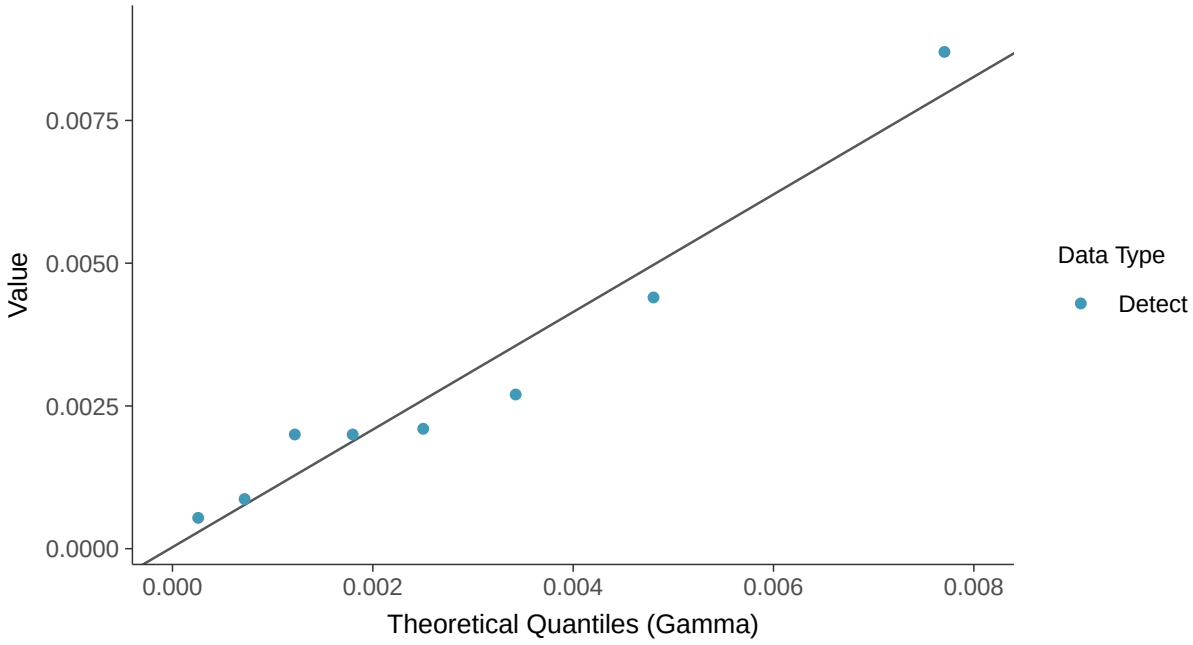
Lognormal Q-Q plot

Molybdenum, MW-28 (mg/L)



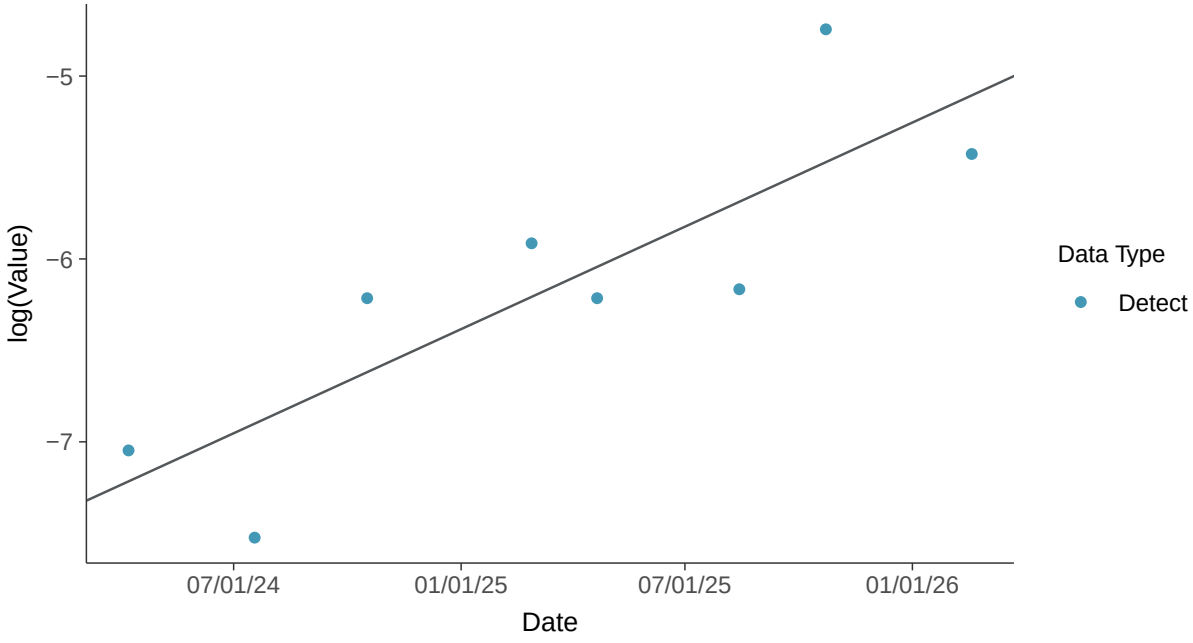
Gamma Q-Q plot

Molybdenum, MW-28 (mg/L)



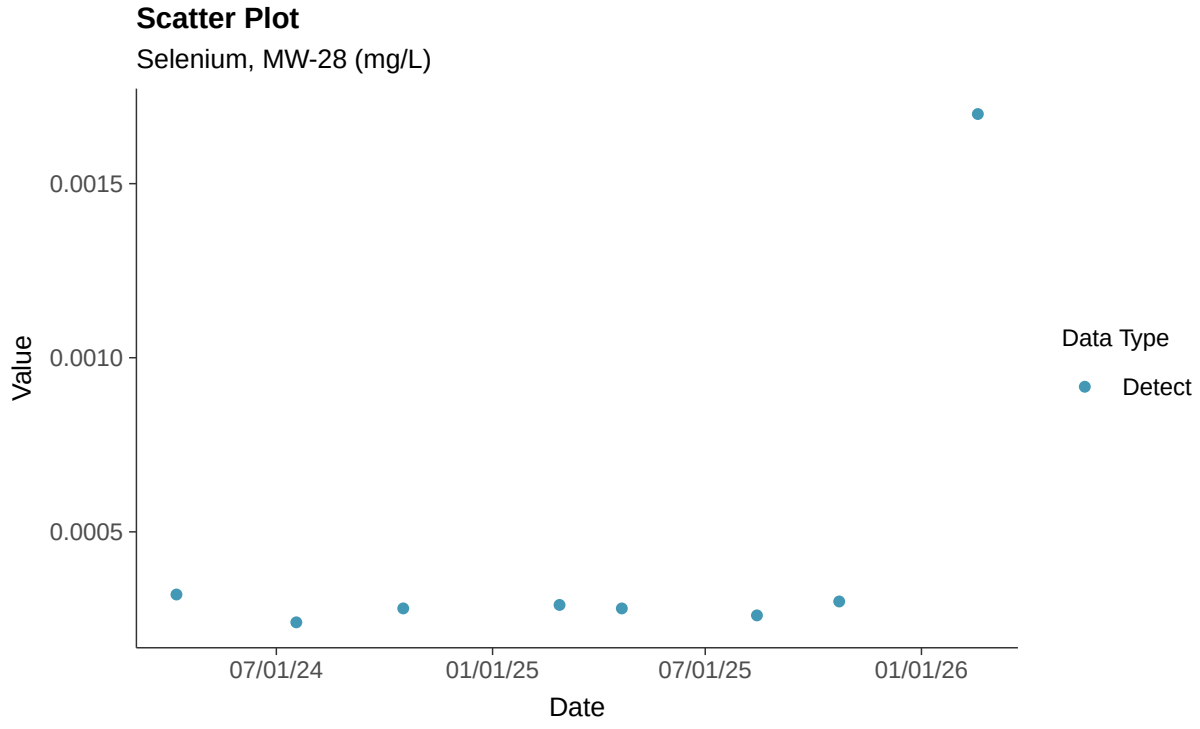
Trend Regression: Lognormal MLE

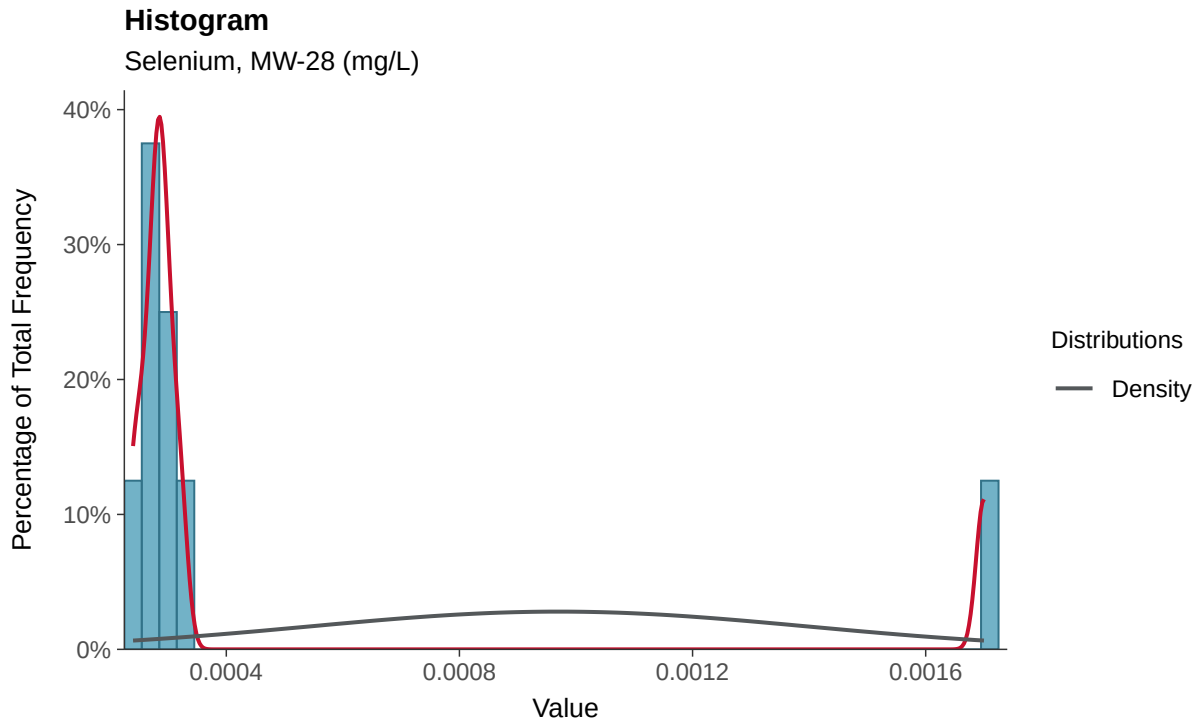
Molybdenum, MW-28 (mg/L)



Appendix IV: Selenium, MW-28

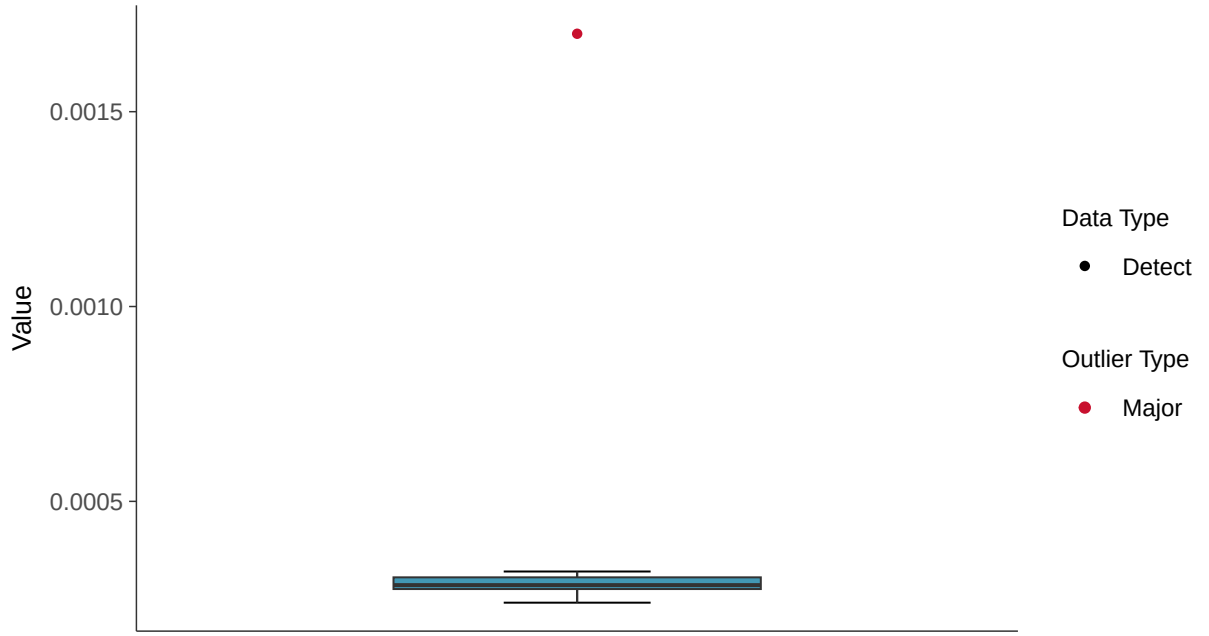
ID: 38_1_4_122





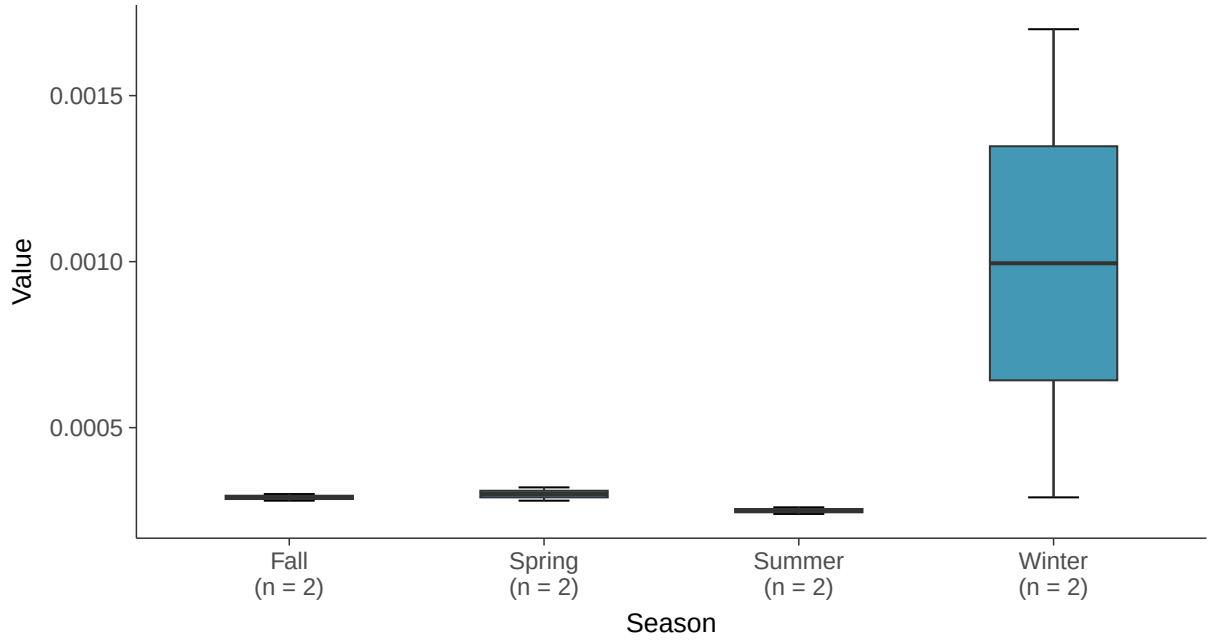
Boxplot

Selenium, MW-28 (mg/L)



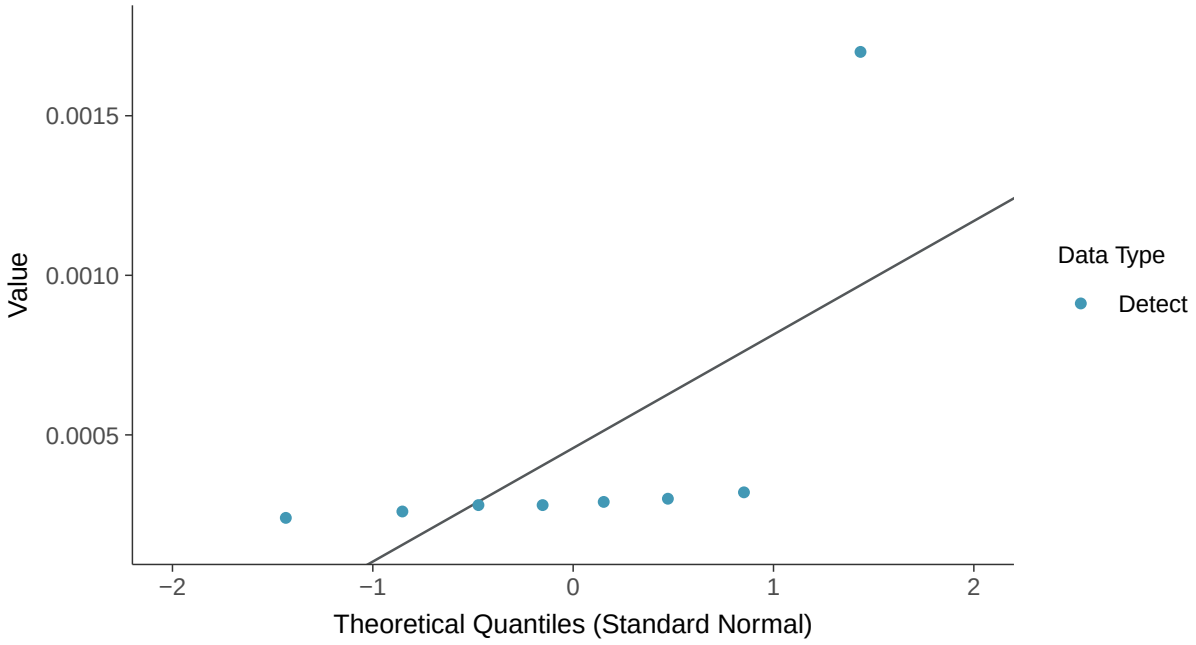
Boxplot by Season

Selenium, MW-28 (mg/L)



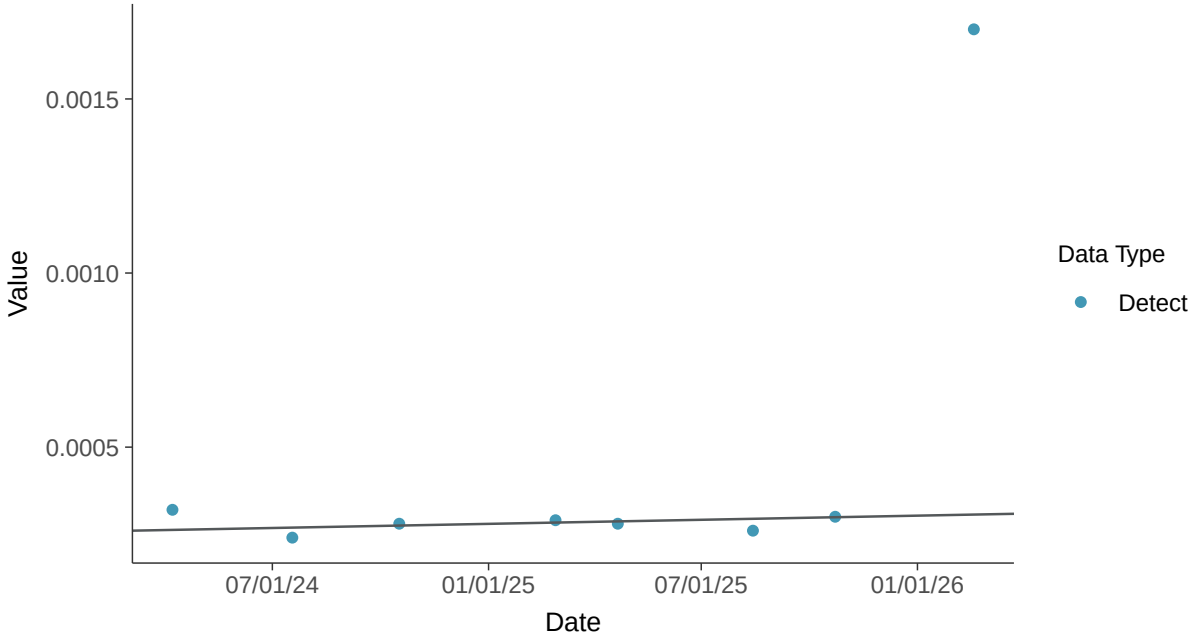
Normal Q-Q plot

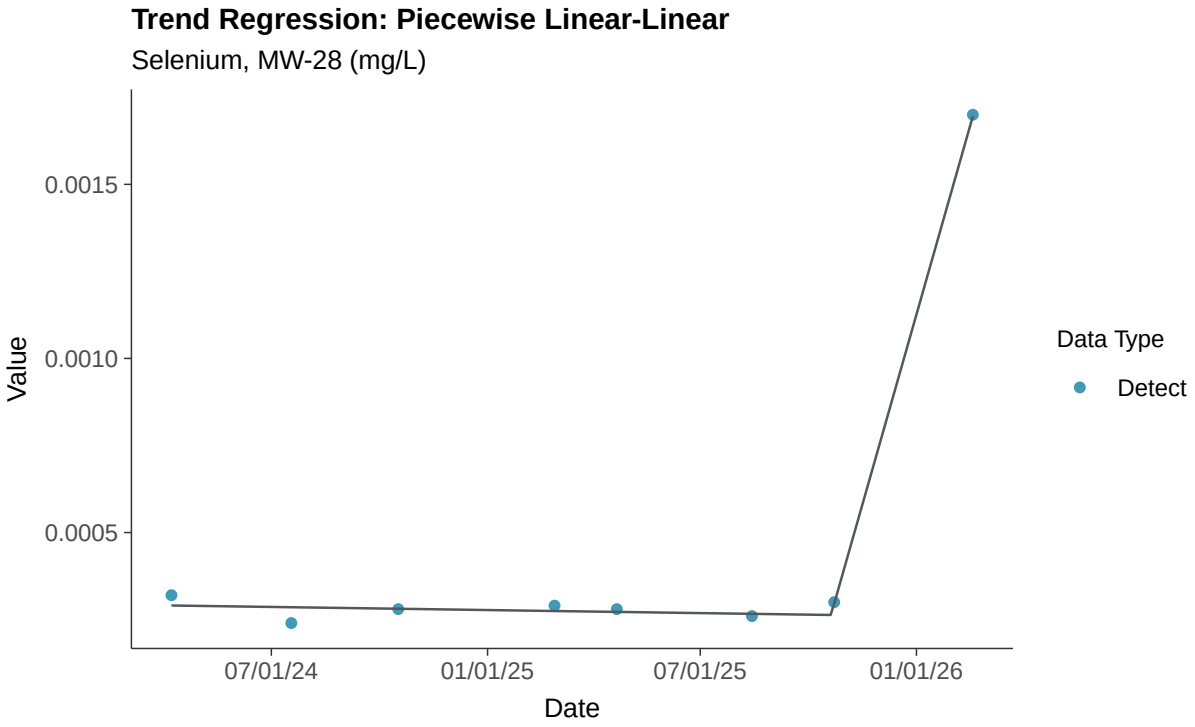
Selenium, MW-28 (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

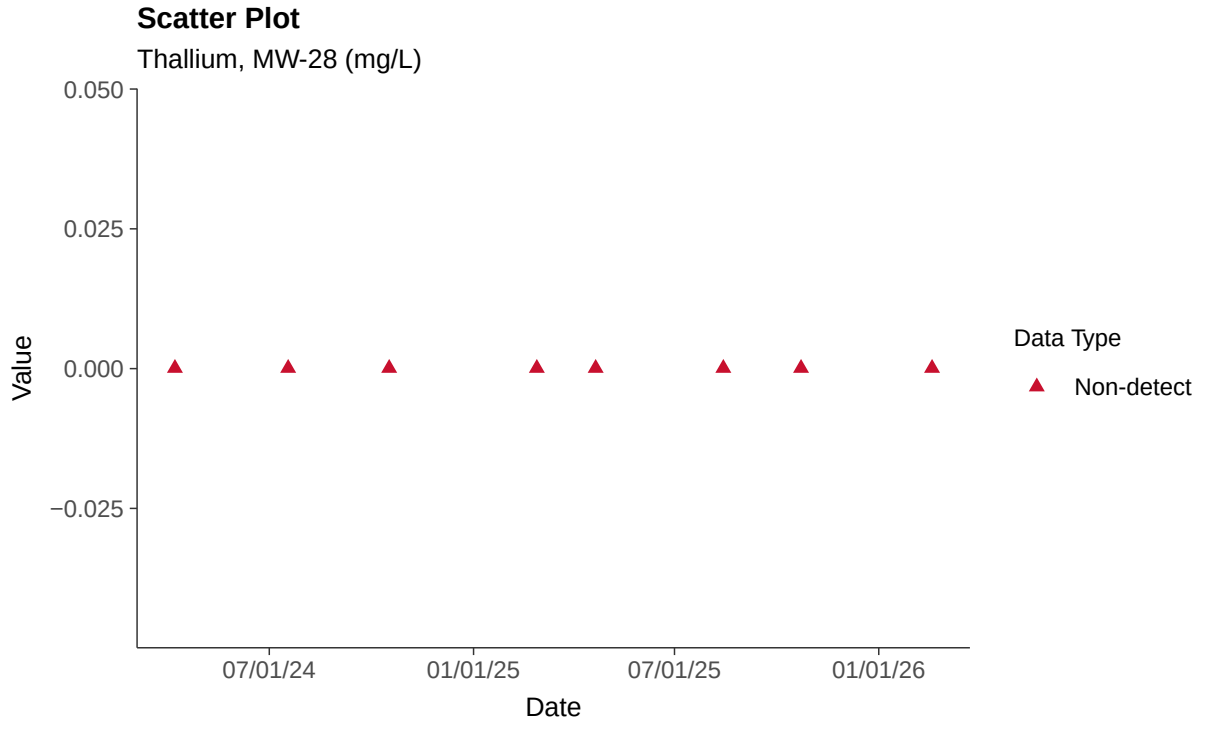
Selenium, MW-28 (mg/L)

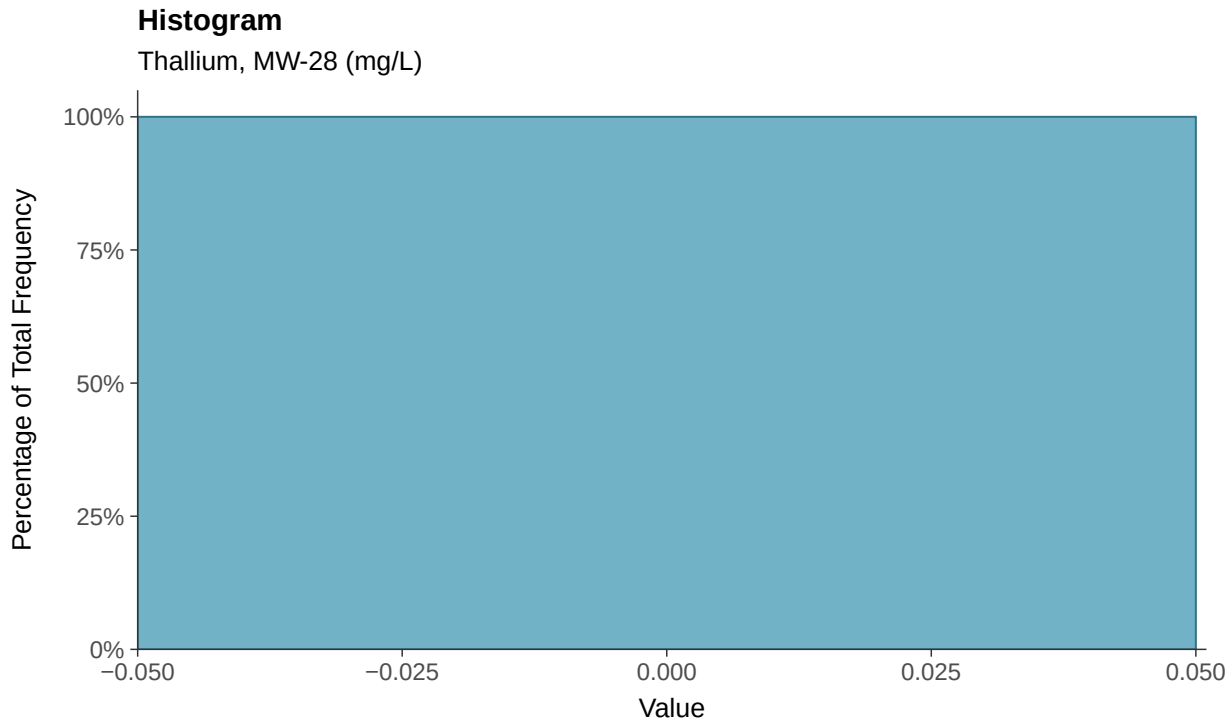



Trend Regression: Piecewise Linear-Linear
Selenium, MW-28 (mg/L)
Value
0.0015
0.0010
0.0005
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Thallium, MW-28

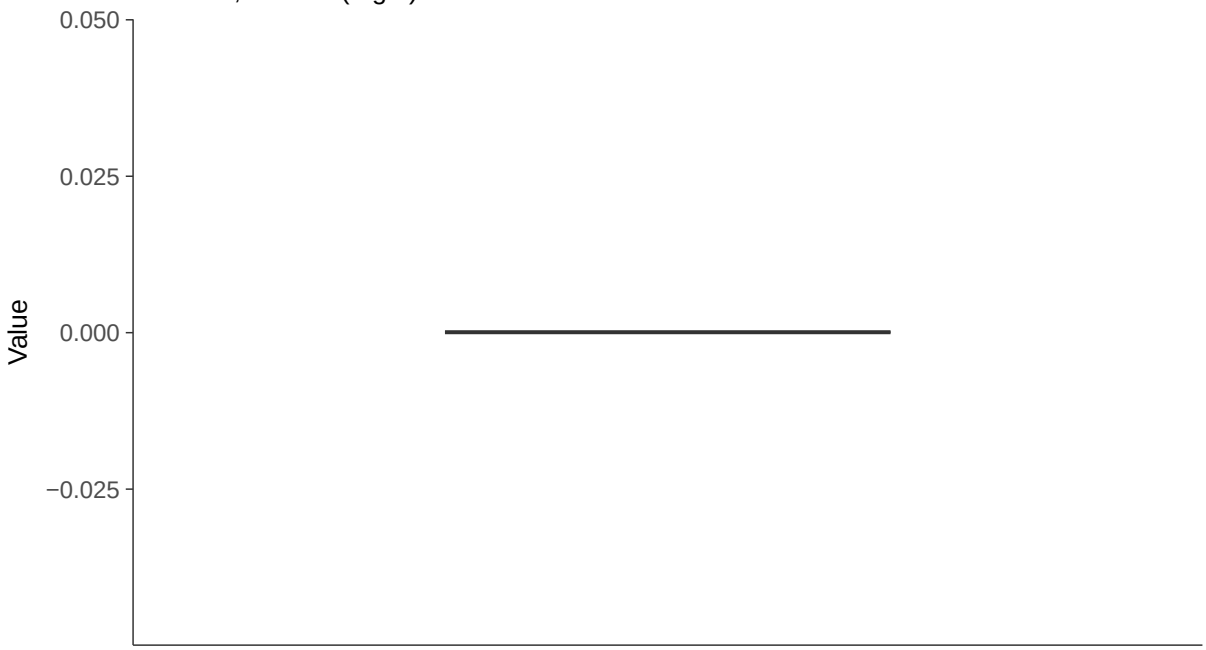
ID: 38_1_4_125





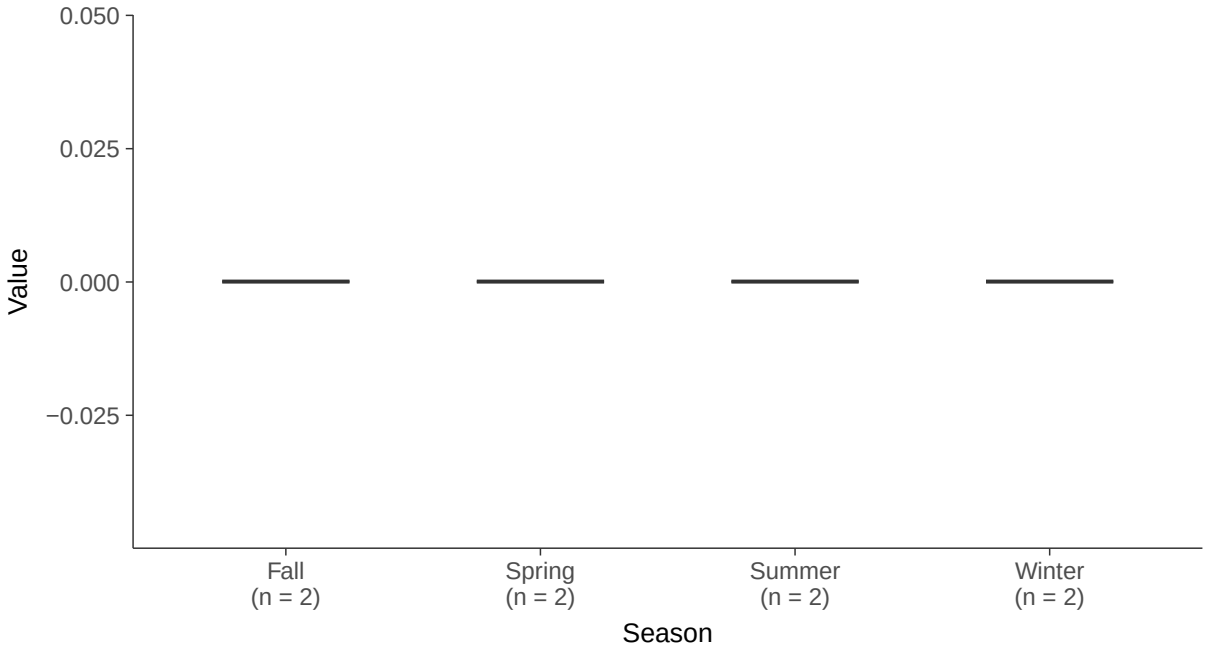
Boxplot

Thallium, MW-28 (mg/L)



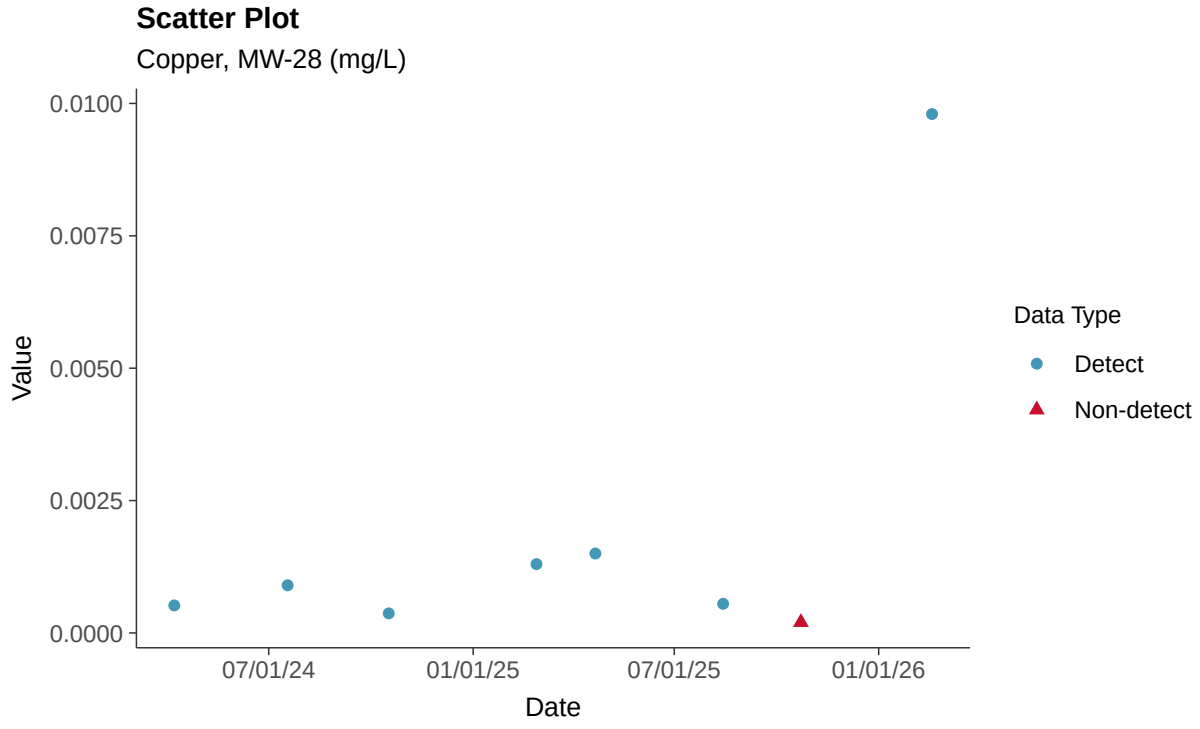
Boxplot by Season

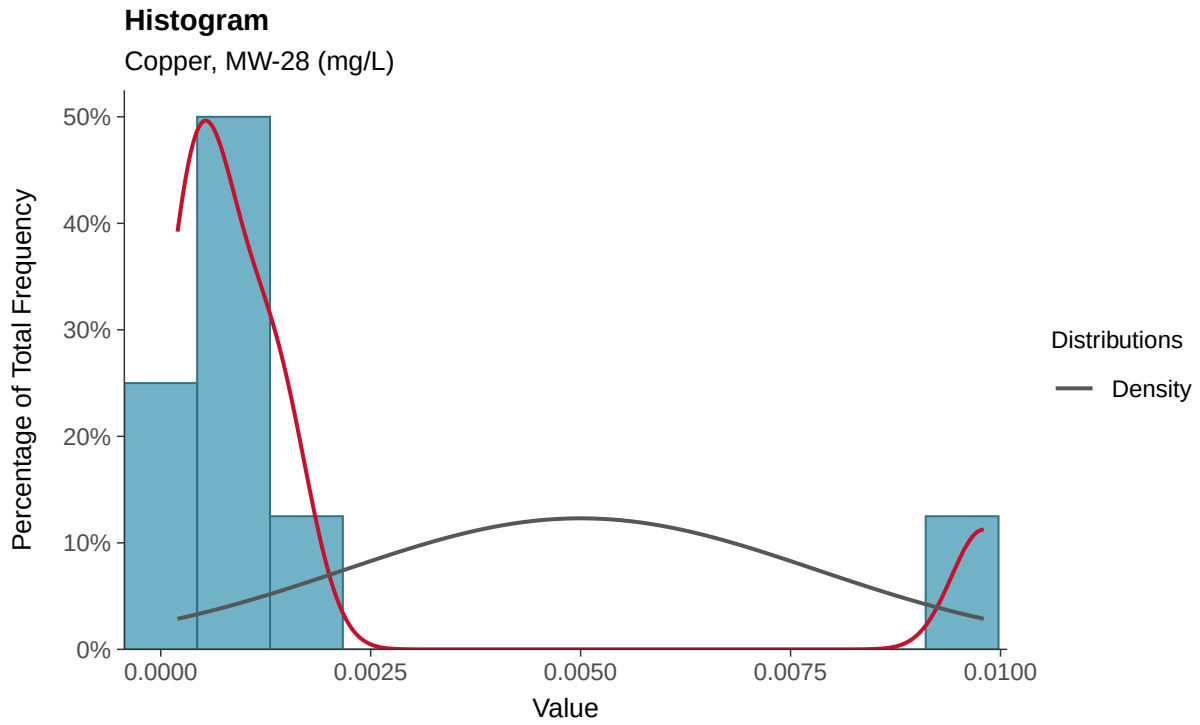
Thallium, MW-28 (mg/L)



Part 115: Copper, MW-28

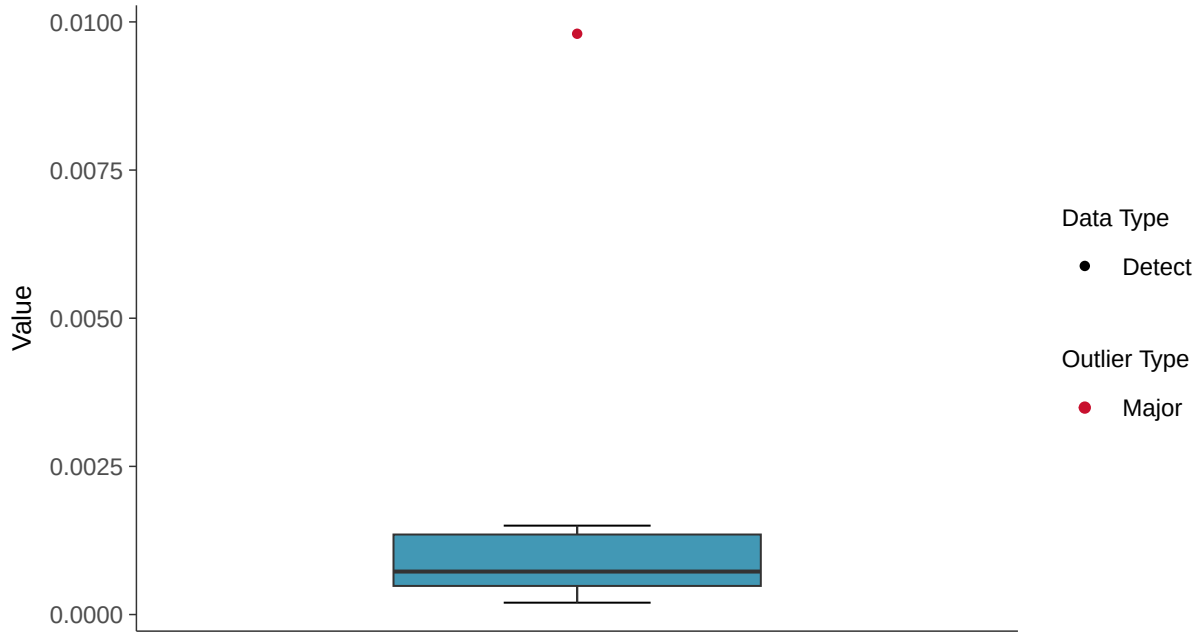
ID: 38_1_5_111





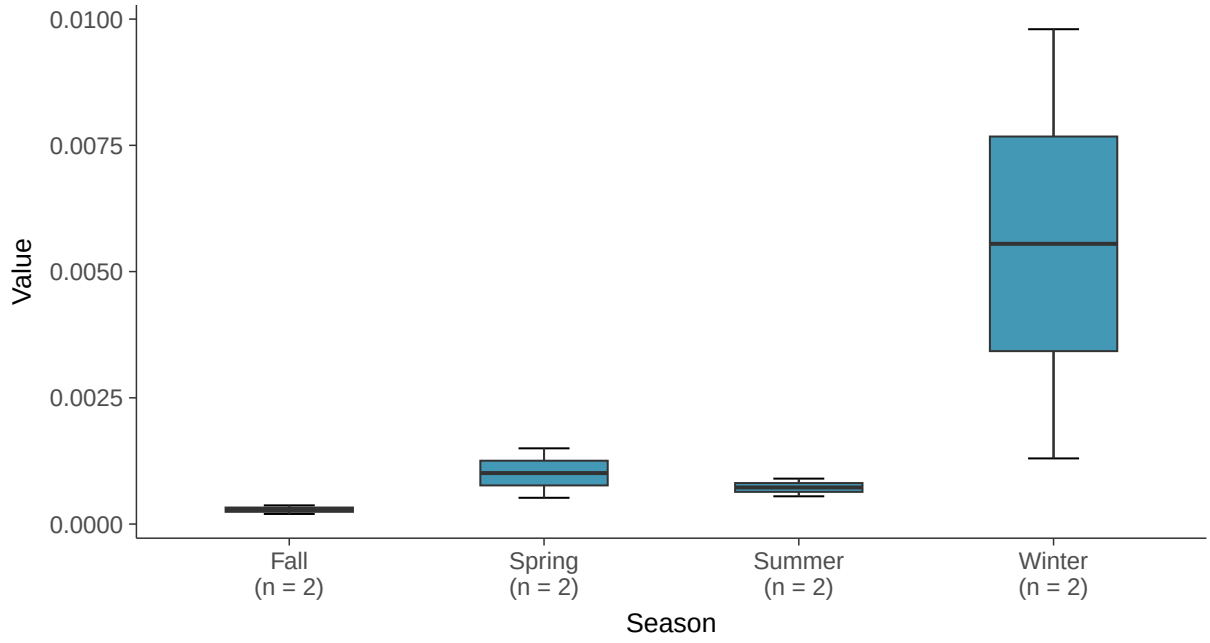
Boxplot

Copper, MW-28 (mg/L)



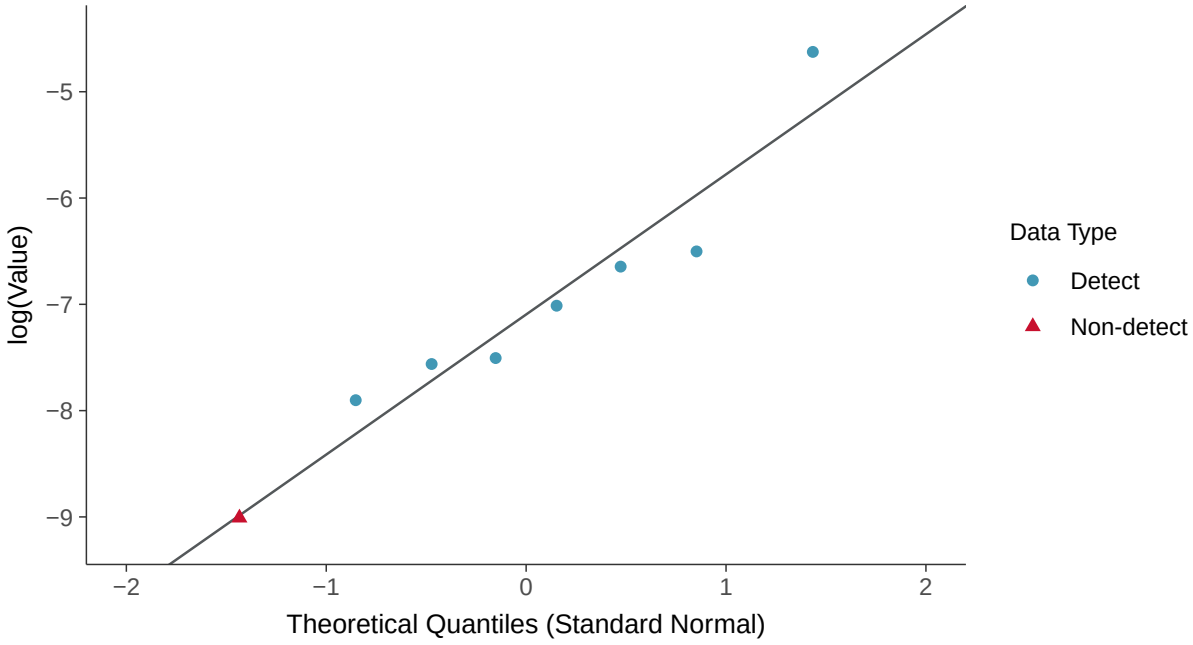
Boxplot by Season

Copper, MW-28 (mg/L)



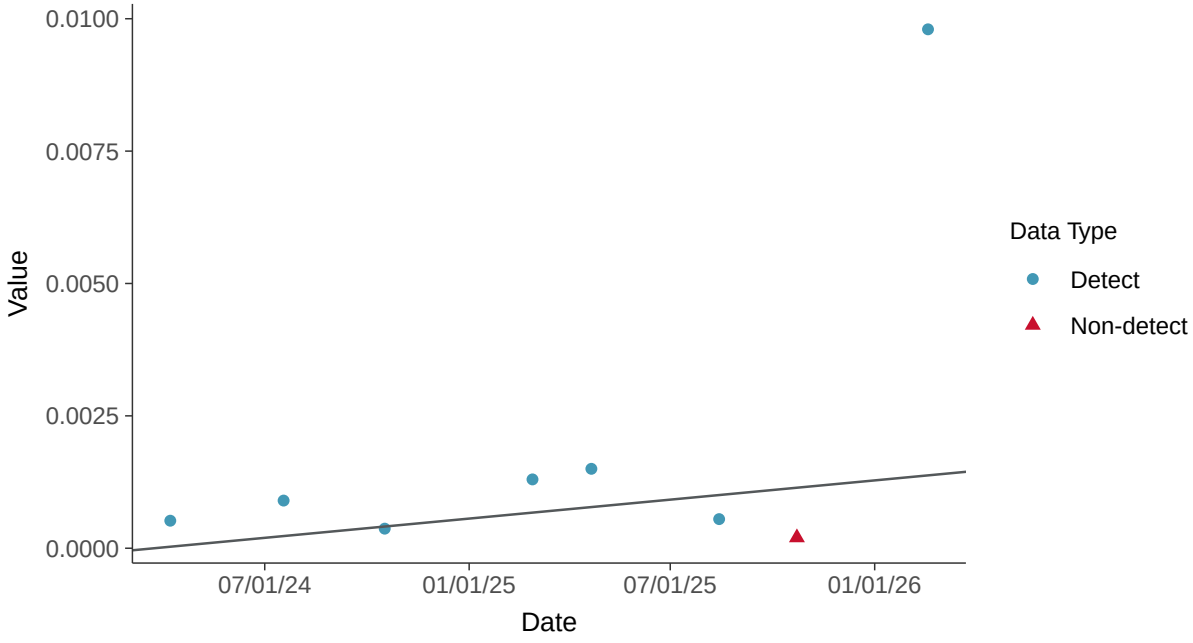
Lognormal Q-Q plot using ROS Imputed Estimates

Copper, MW-28 (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

Copper, MW-28 (mg/L)

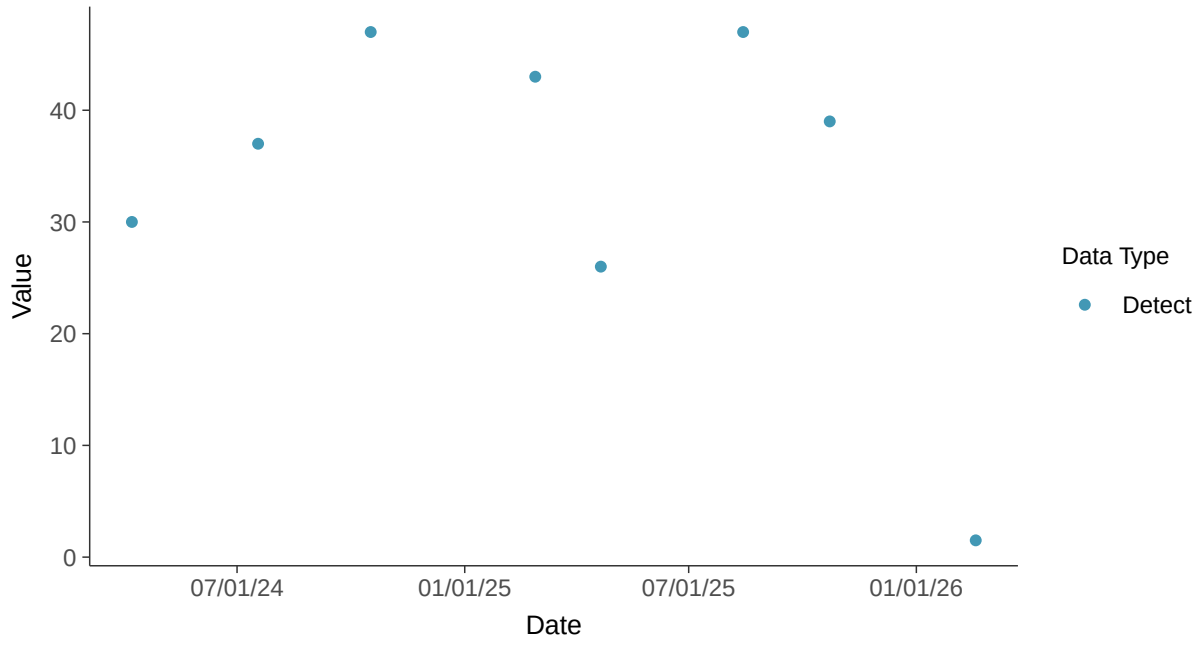


Part 115: Iron, MW-28

ID: 38_1_5_114

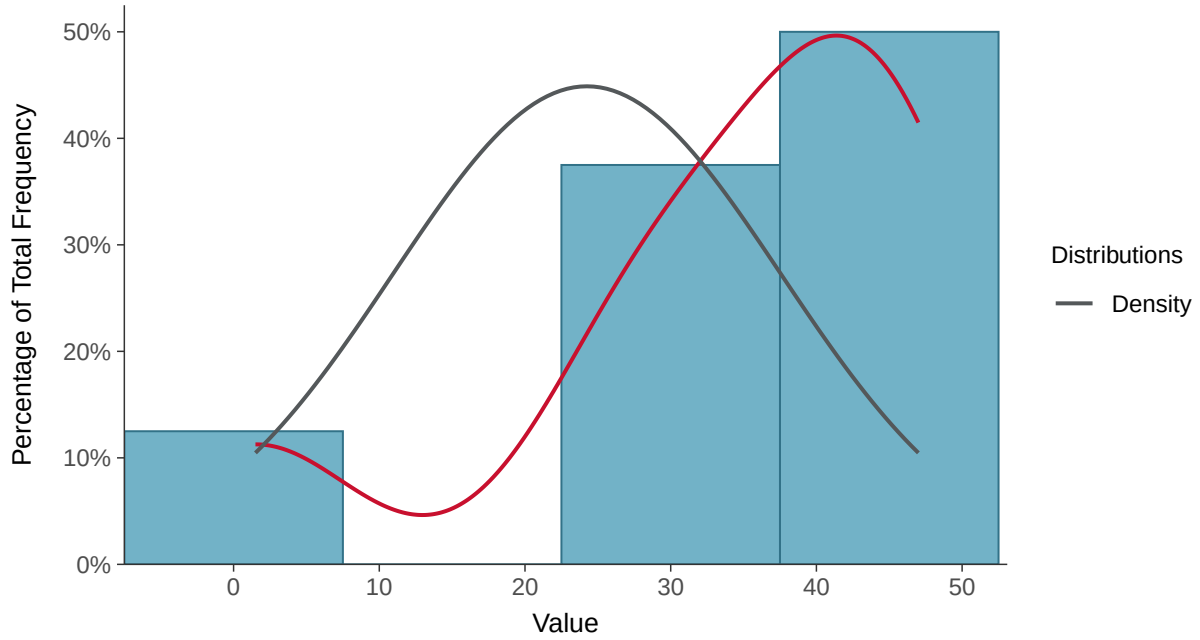
Scatter Plot

Iron, MW-28 (mg/L)



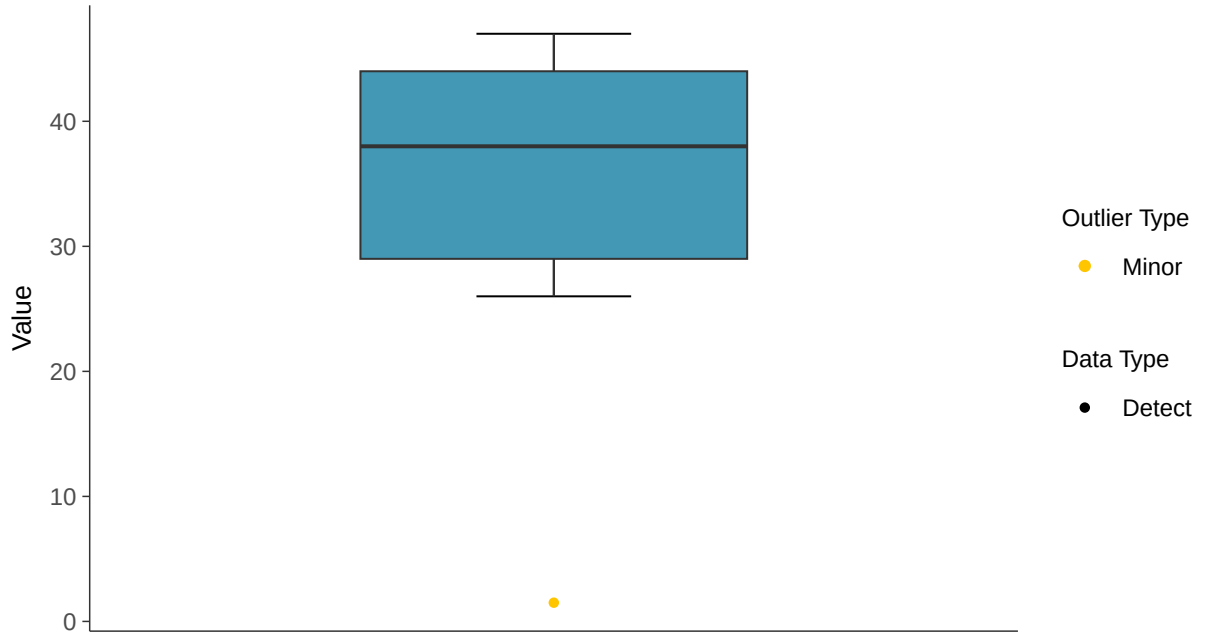
Histogram

Iron, MW-28 (mg/L)



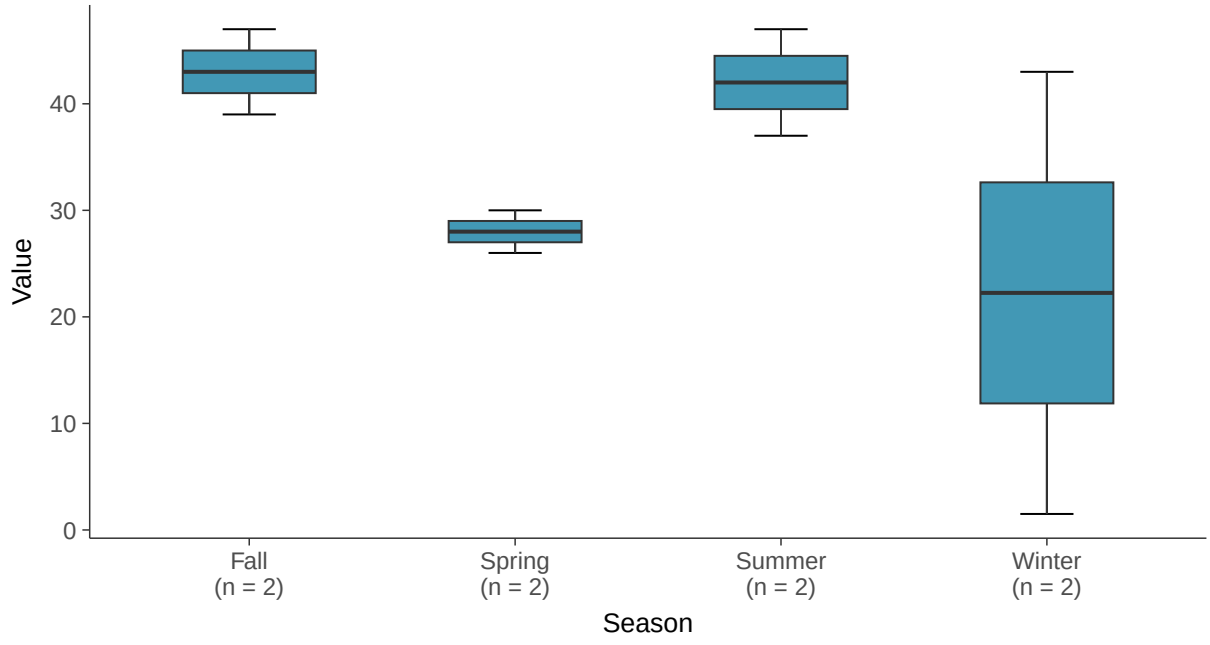
Boxplot

Iron, MW-28 (mg/L)



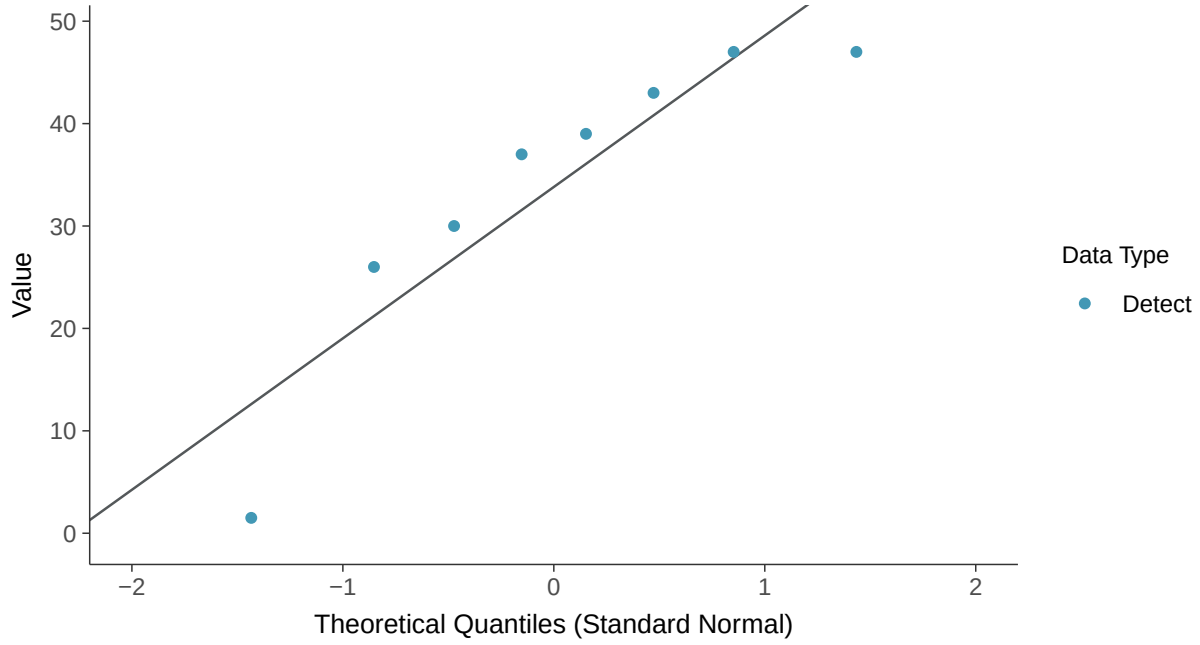
Boxplot by Season

Iron, MW-28 (mg/L)



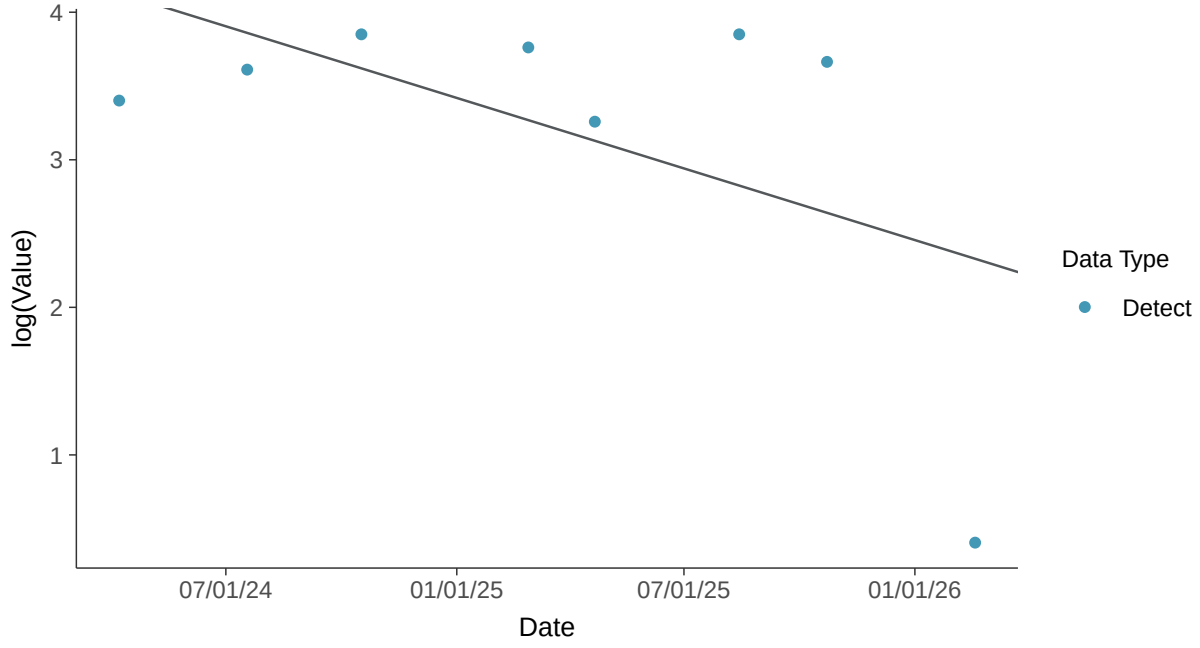
Normal Q-Q plot

Iron, MW-28 (mg/L)



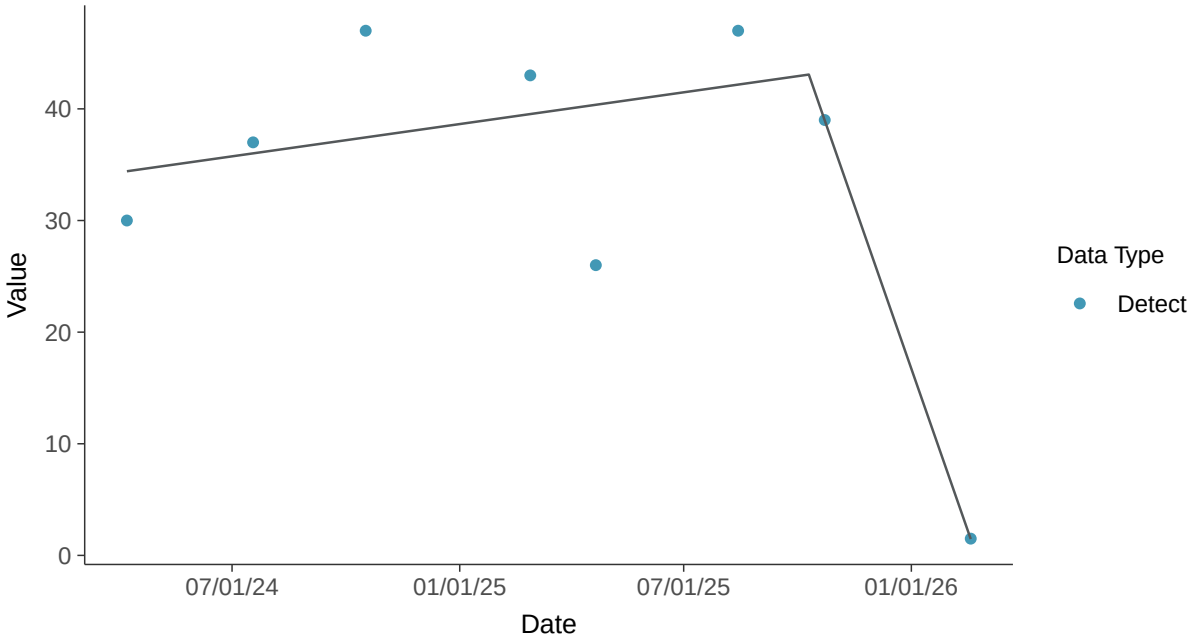
Trend Regression: Lognormal MLE

Iron, MW-28 (mg/L)



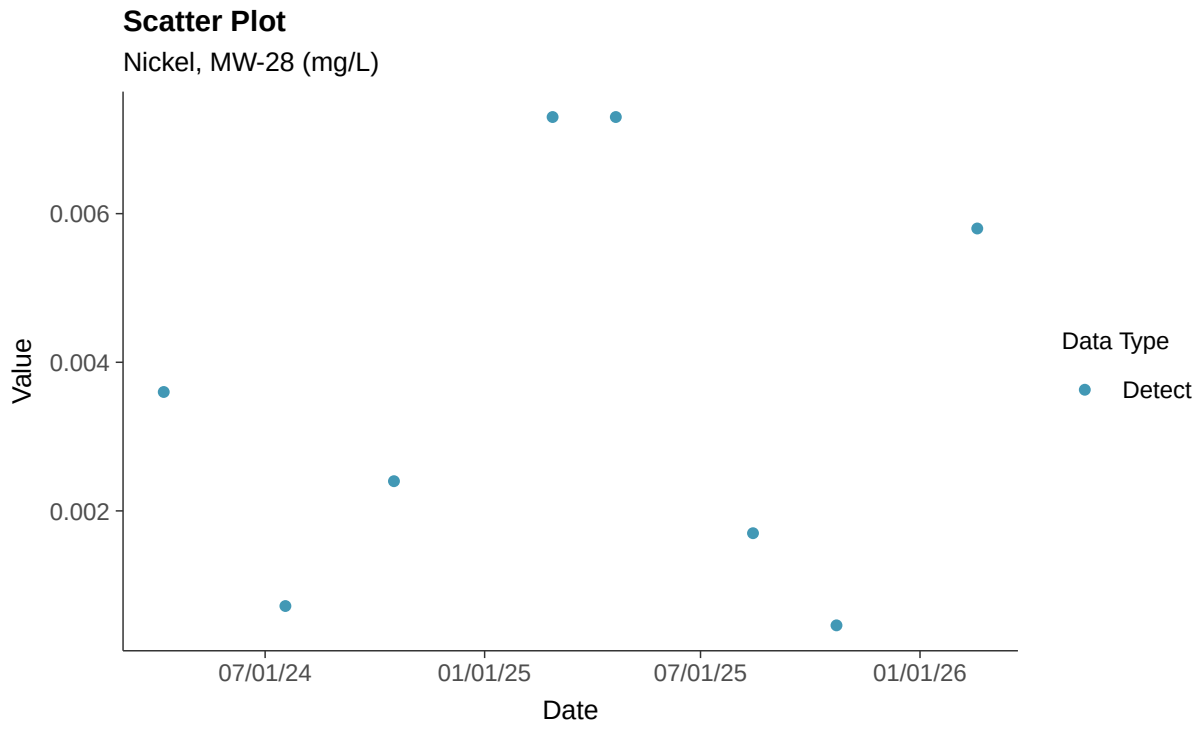
Trend Regression: Piecewise Linear-Linear

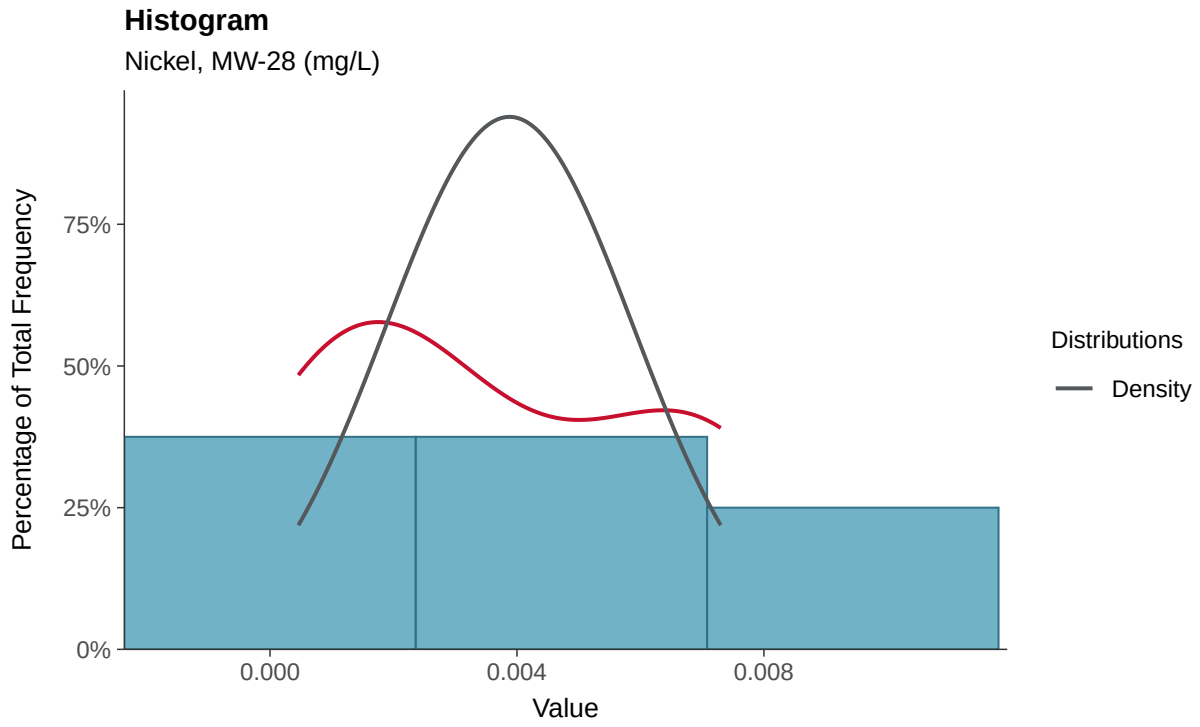
Iron, MW-28 (mg/L)



Part 115: Nickel, MW-28

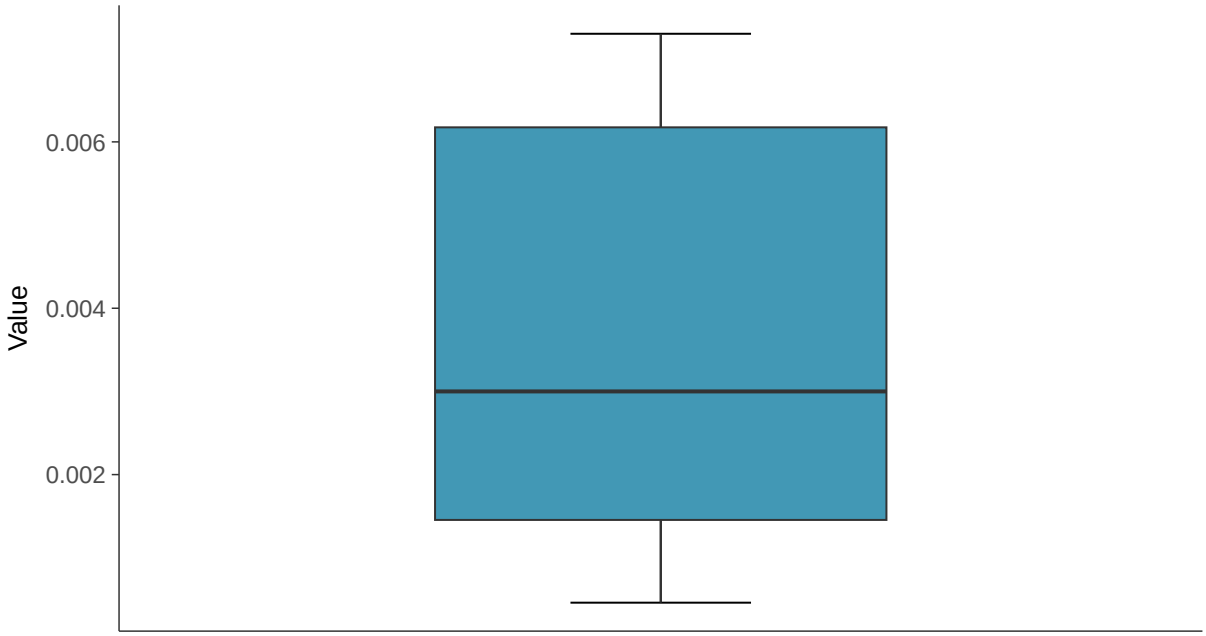
ID: 38_1_5_119





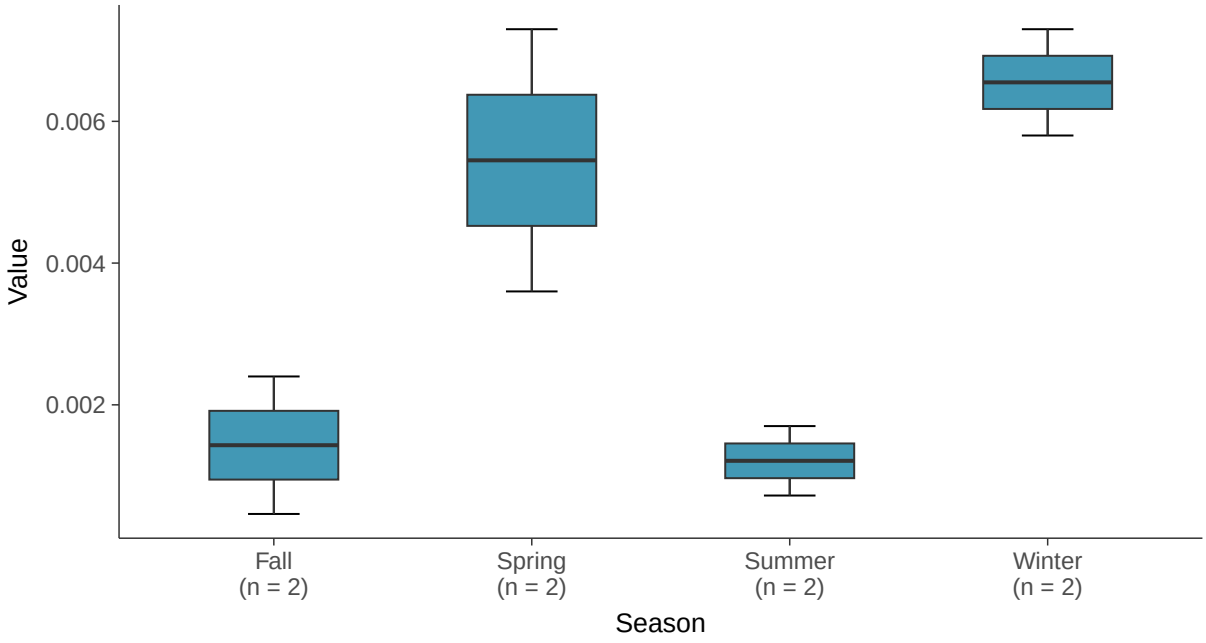
Boxplot

Nickel, MW-28 (mg/L)



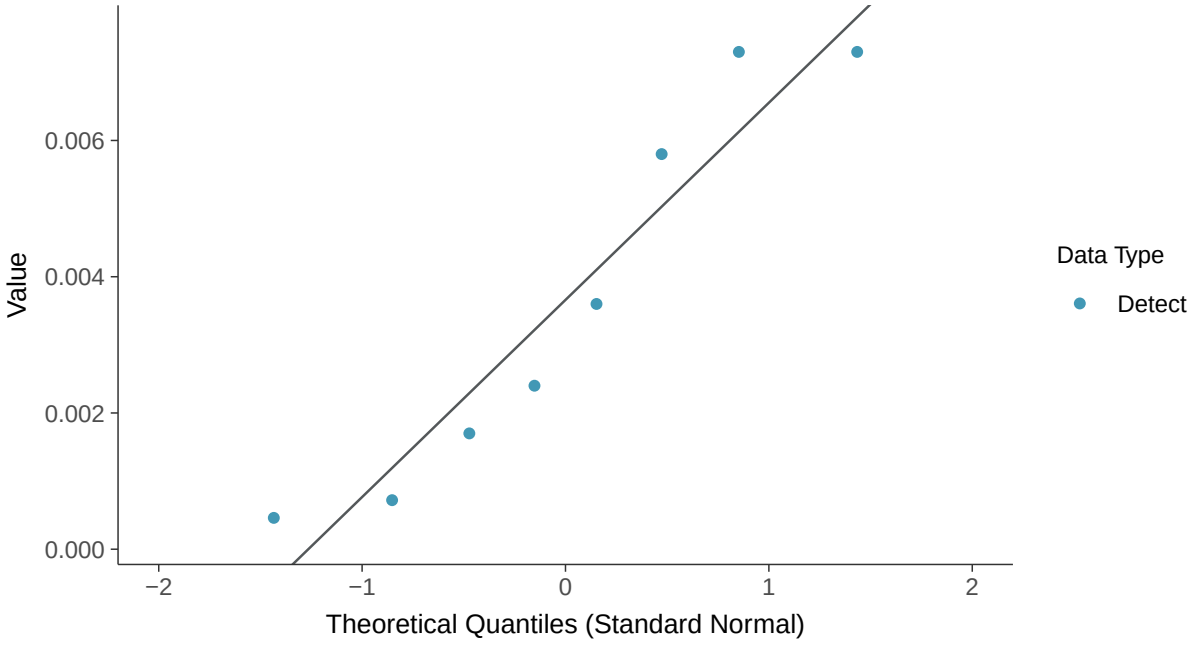
Boxplot by Season

Nickel, MW-28 (mg/L)



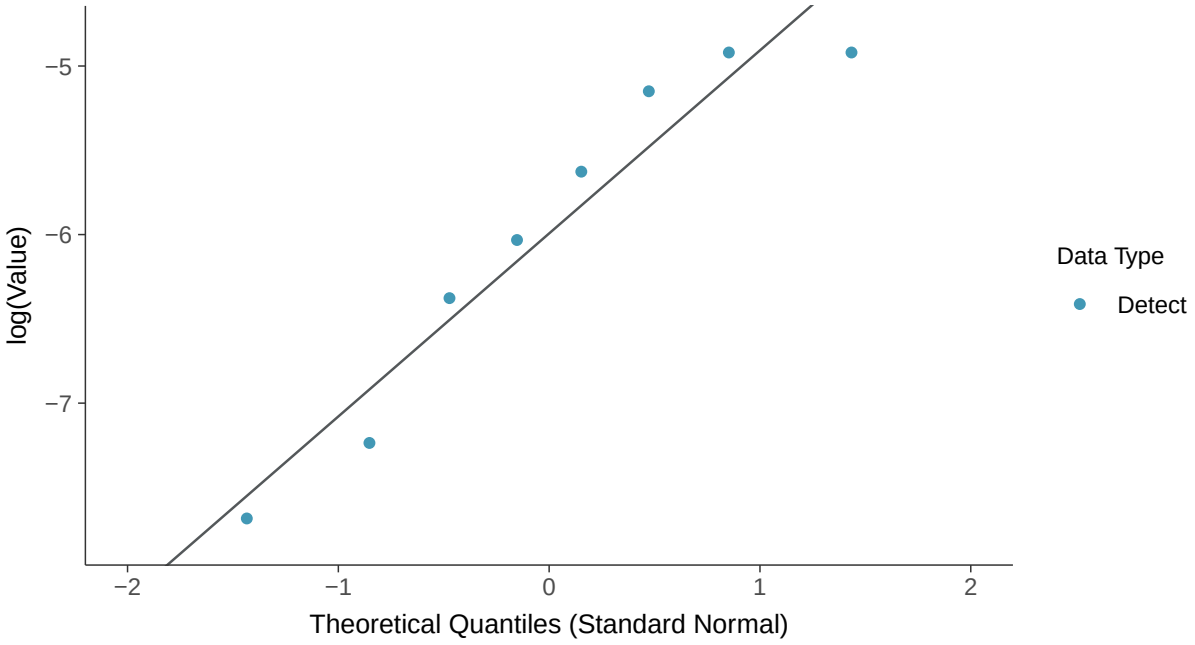
Normal Q-Q plot

Nickel, MW-28 (mg/L)



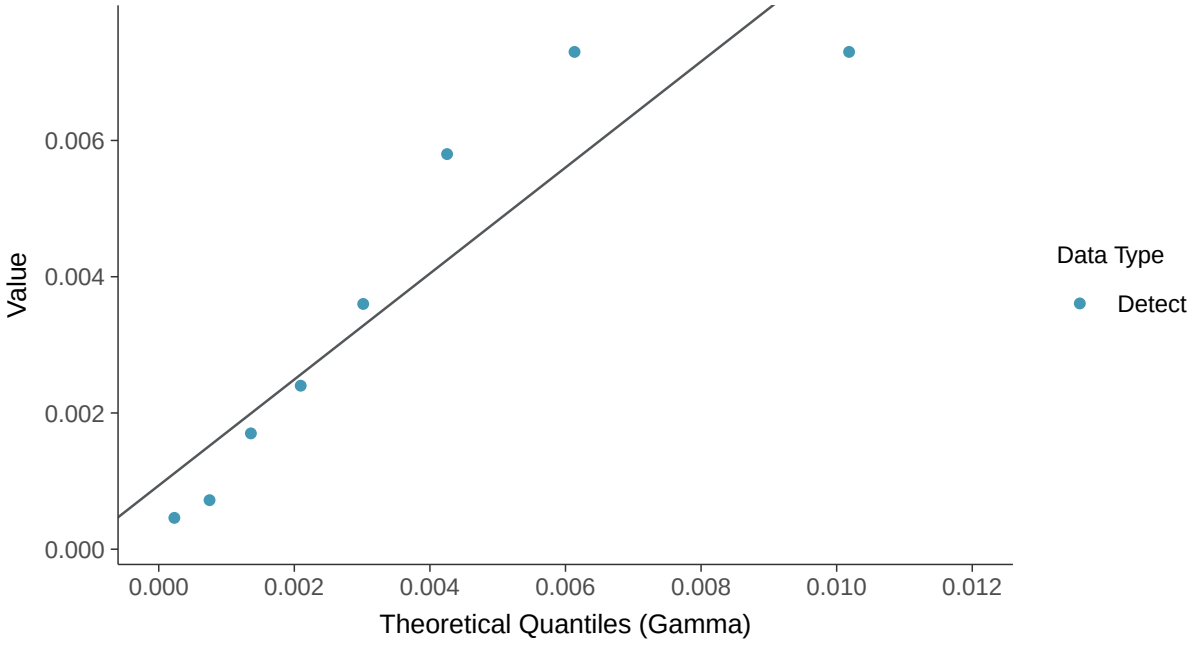
Lognormal Q-Q plot

Nickel, MW-28 (mg/L)



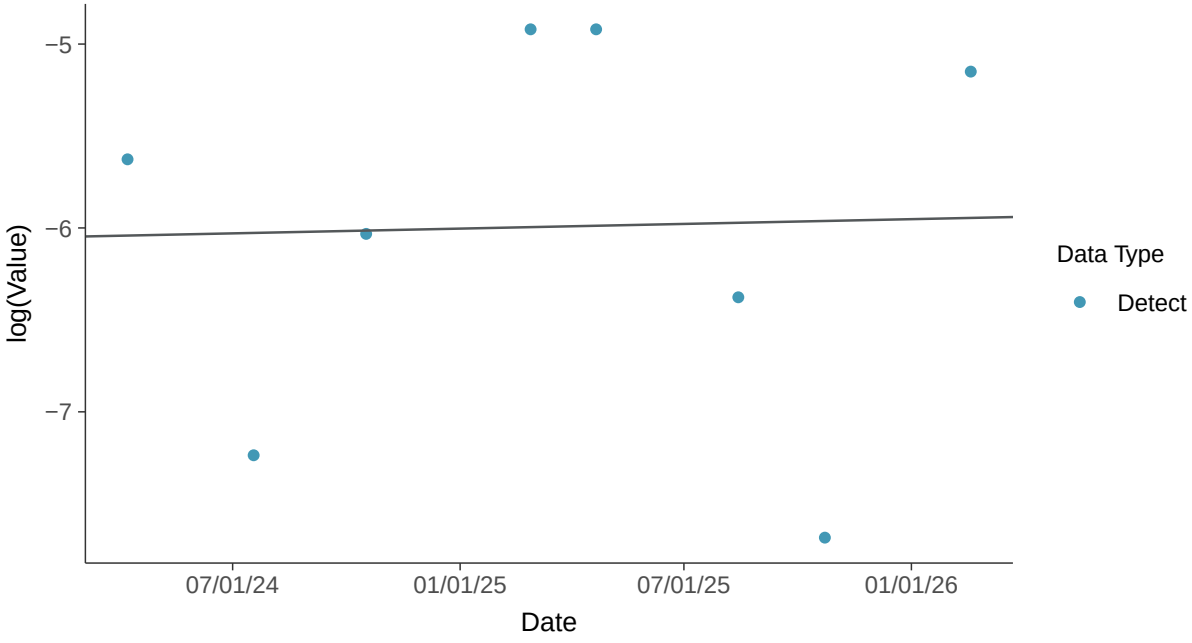
Gamma Q-Q plot

Nickel, MW-28 (mg/L)



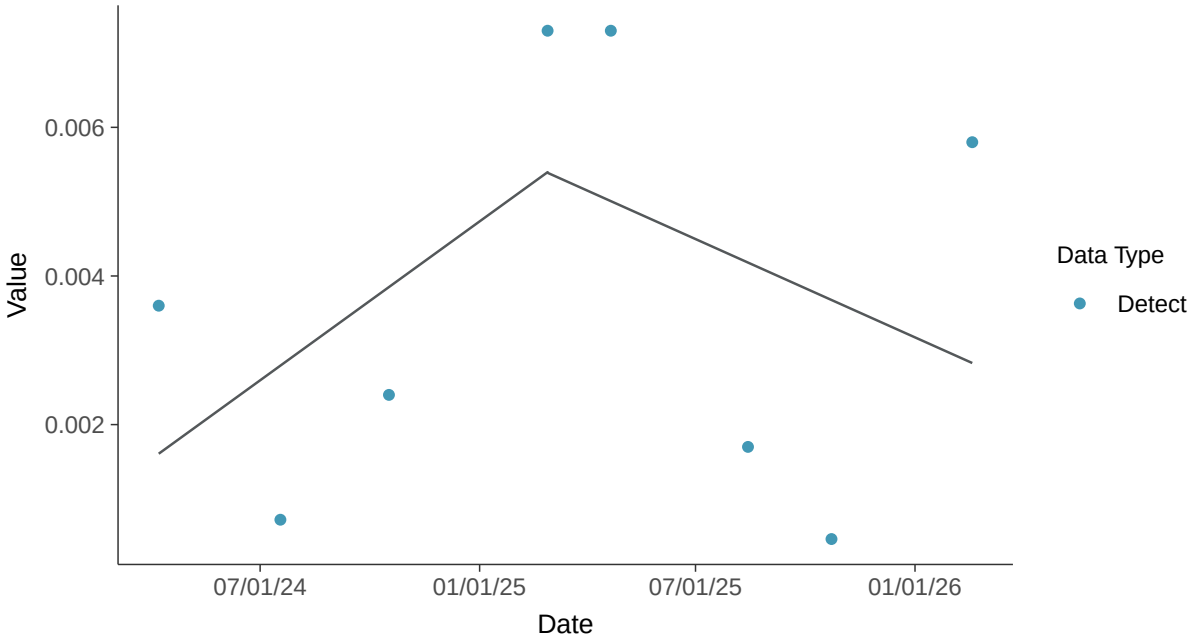
Trend Regression: Lognormal MLE

Nickel, MW-28 (mg/L)



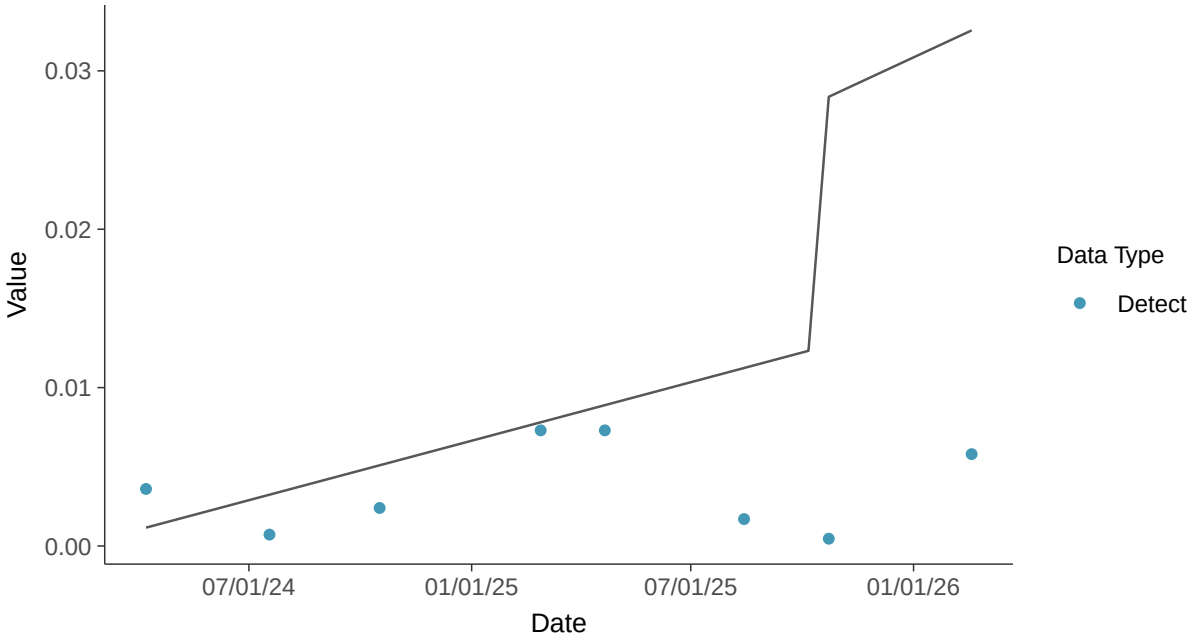
Trend Regression: Piecewise Linear-Linear

Nickel, MW-28 (mg/L)



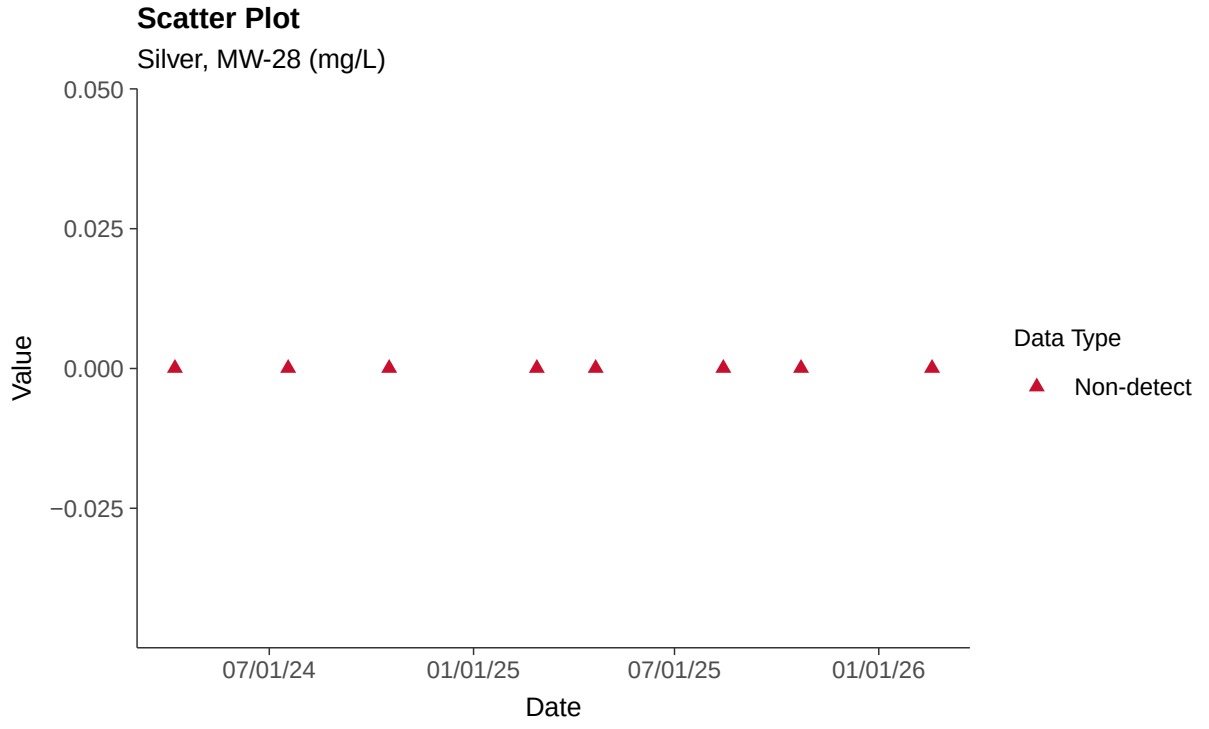
Trend Regression: Piecewise Linear-Linear-Linear

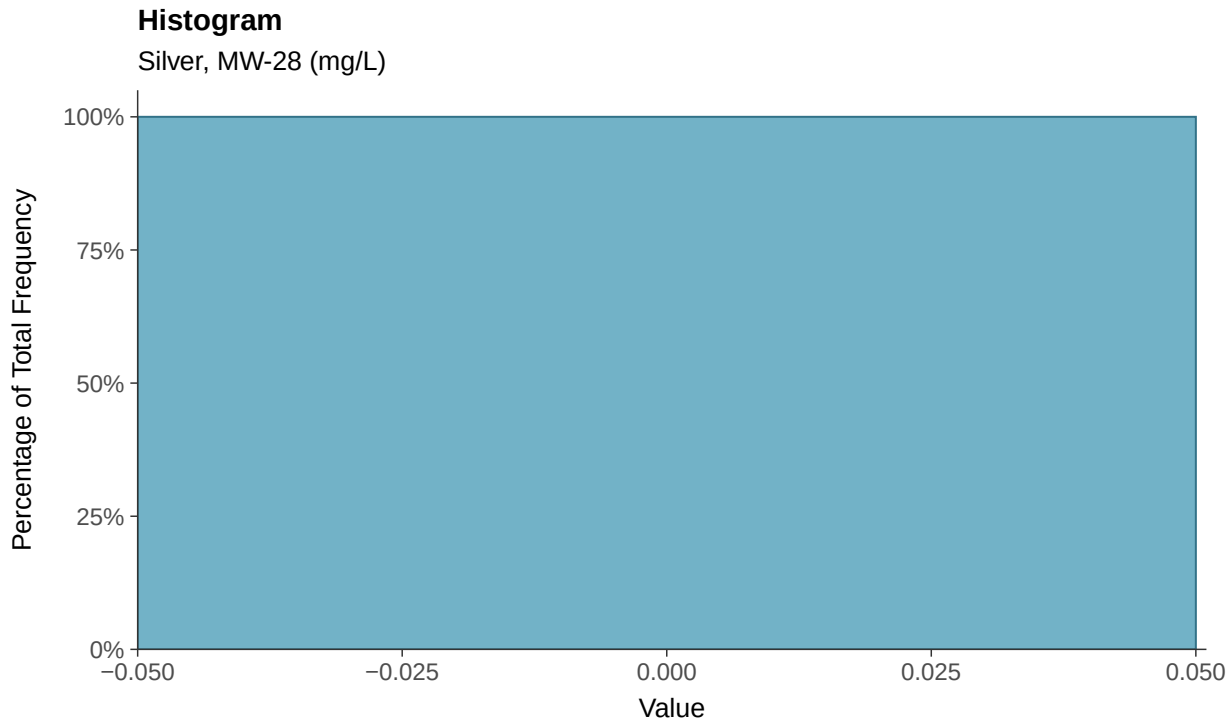
Nickel, MW-28 (mg/L)



Part 115: Silver, MW-28

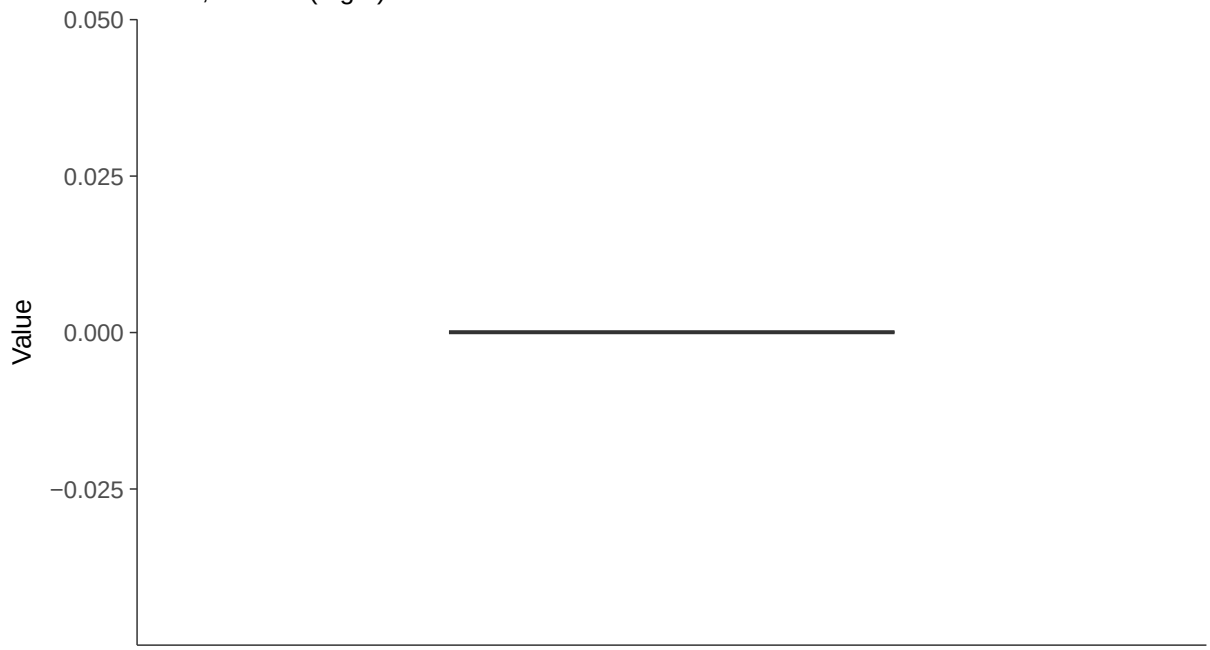
ID: 38_1_5_123





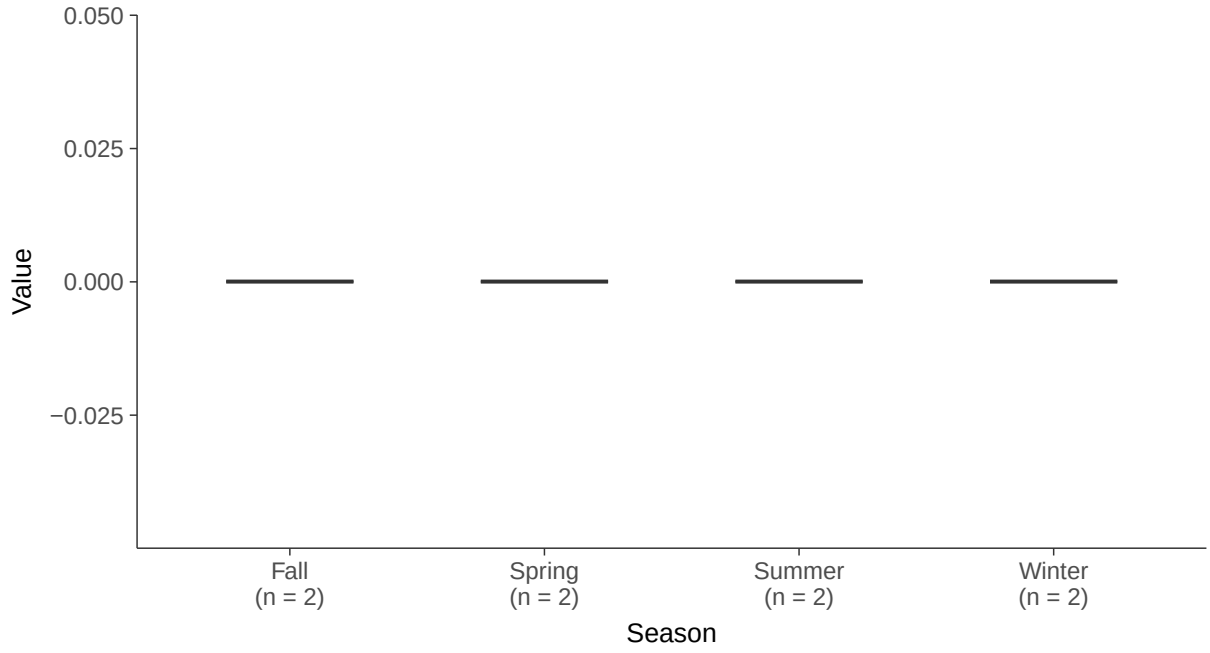
Boxplot

Silver, MW-28 (mg/L)



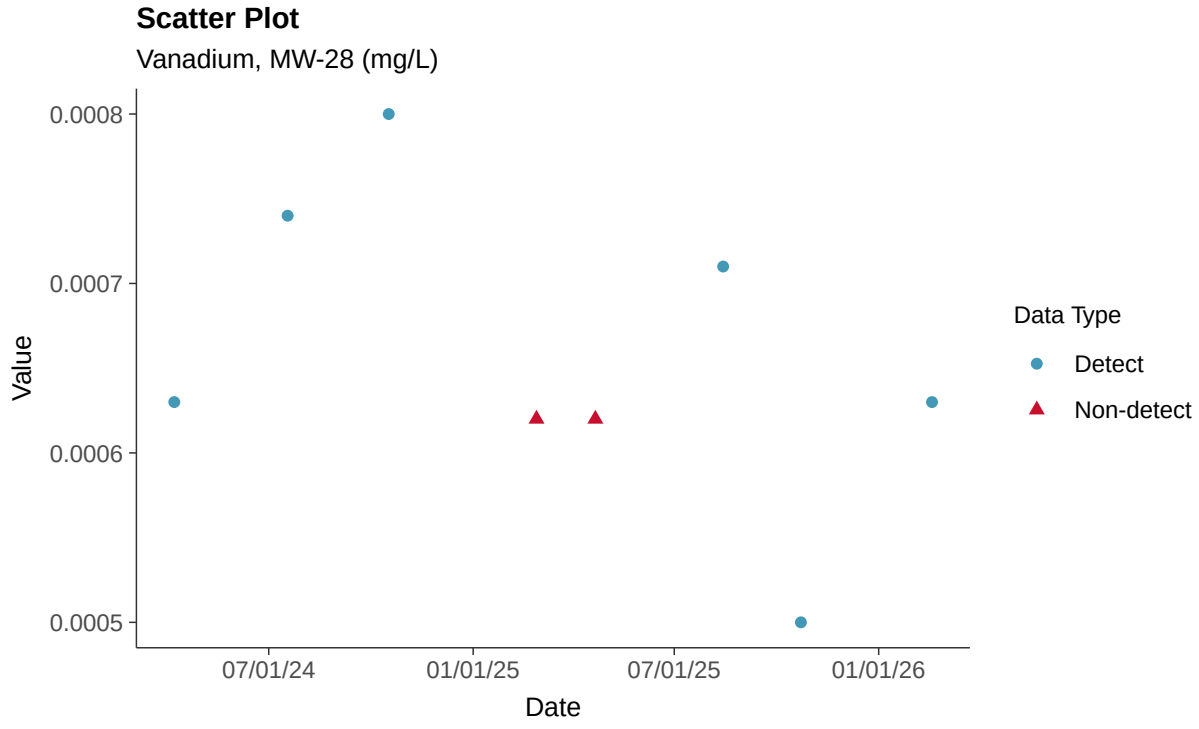
Boxplot by Season

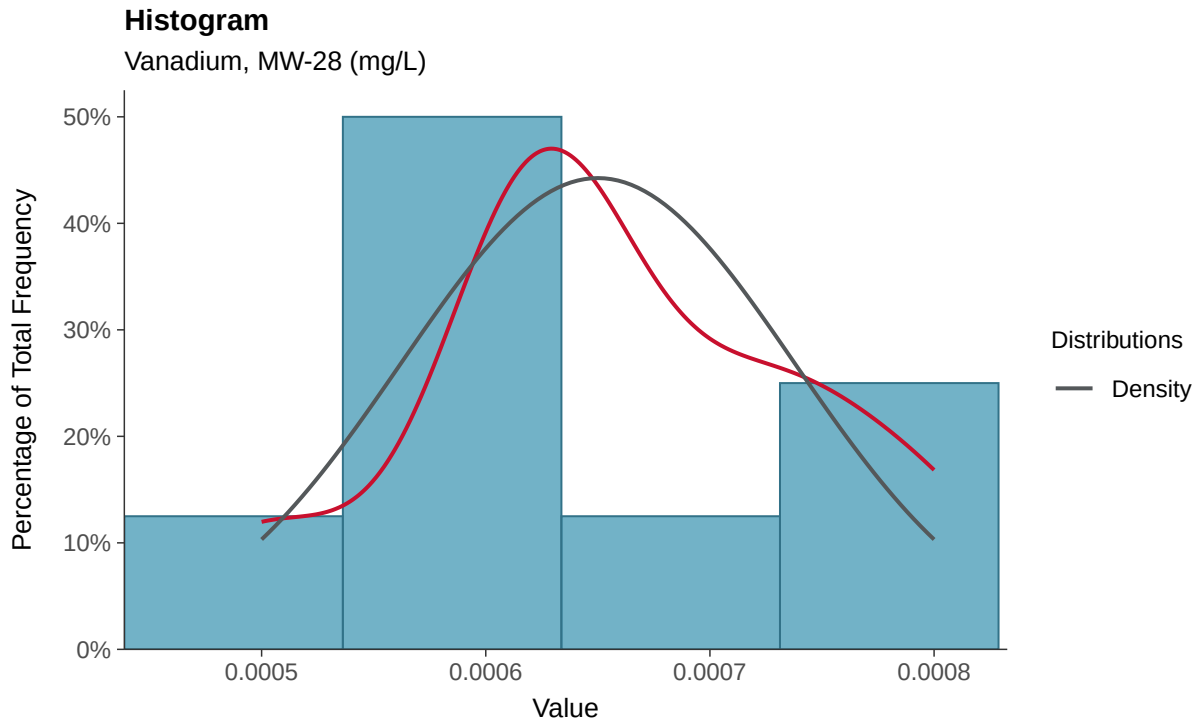
Silver, MW-28 (mg/L)



Part 115: Vanadium, MW-28

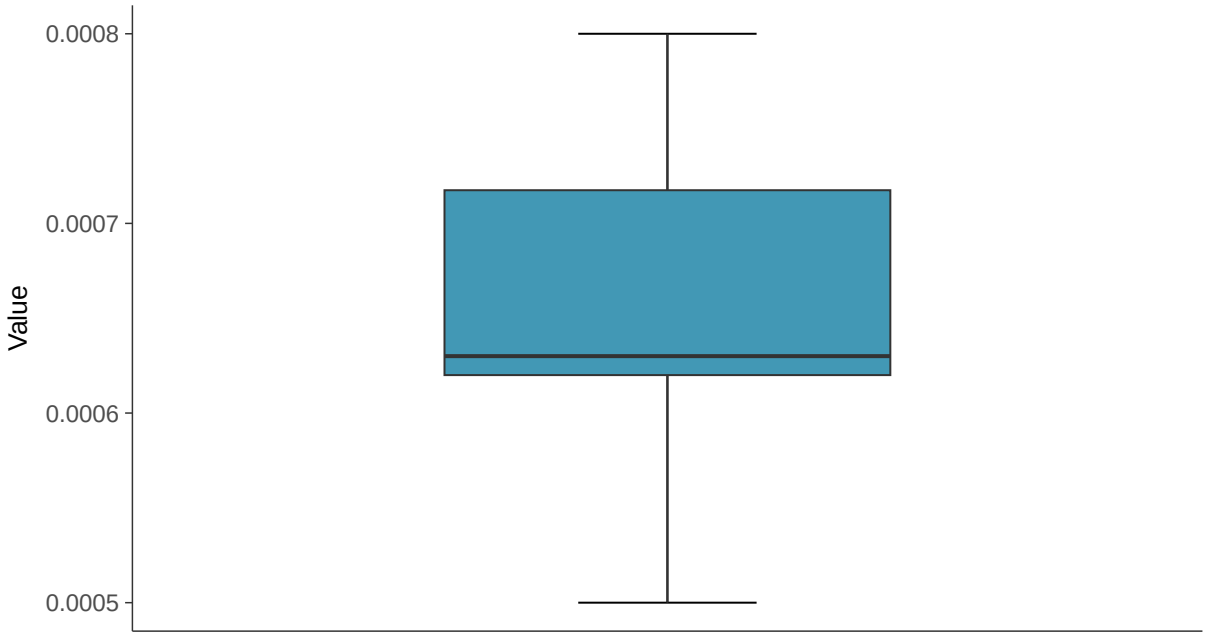
ID: 38_1_5_128





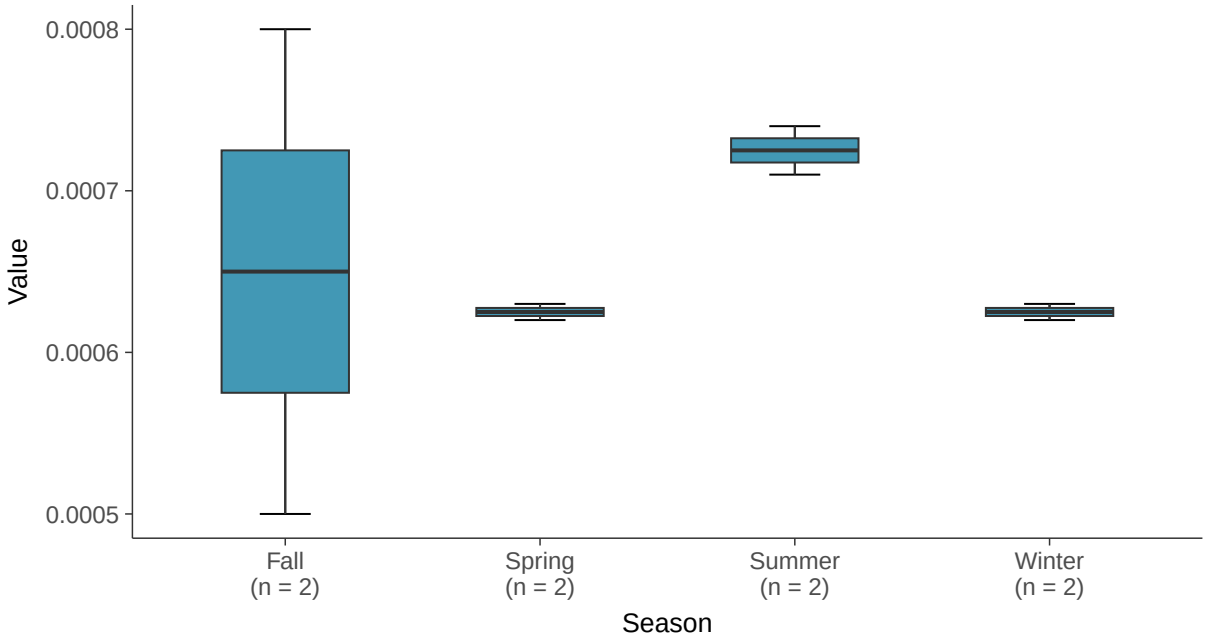
Boxplot

Vanadium, MW-28 (mg/L)



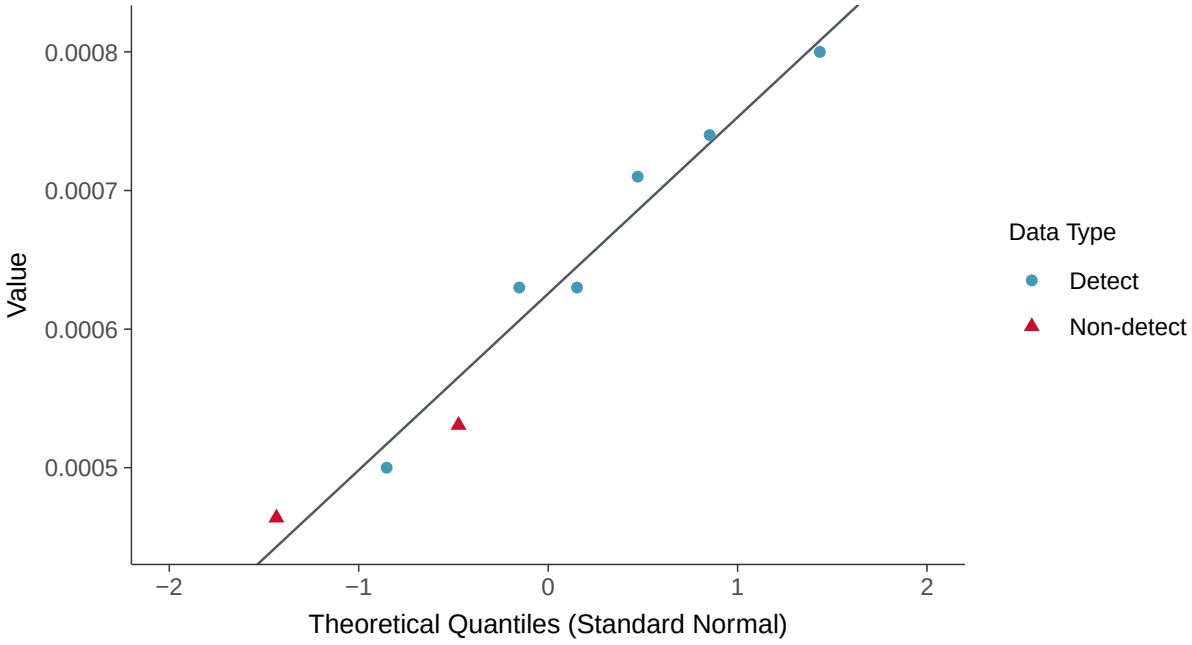
Boxplot by Season

Vanadium, MW-28 (mg/L)



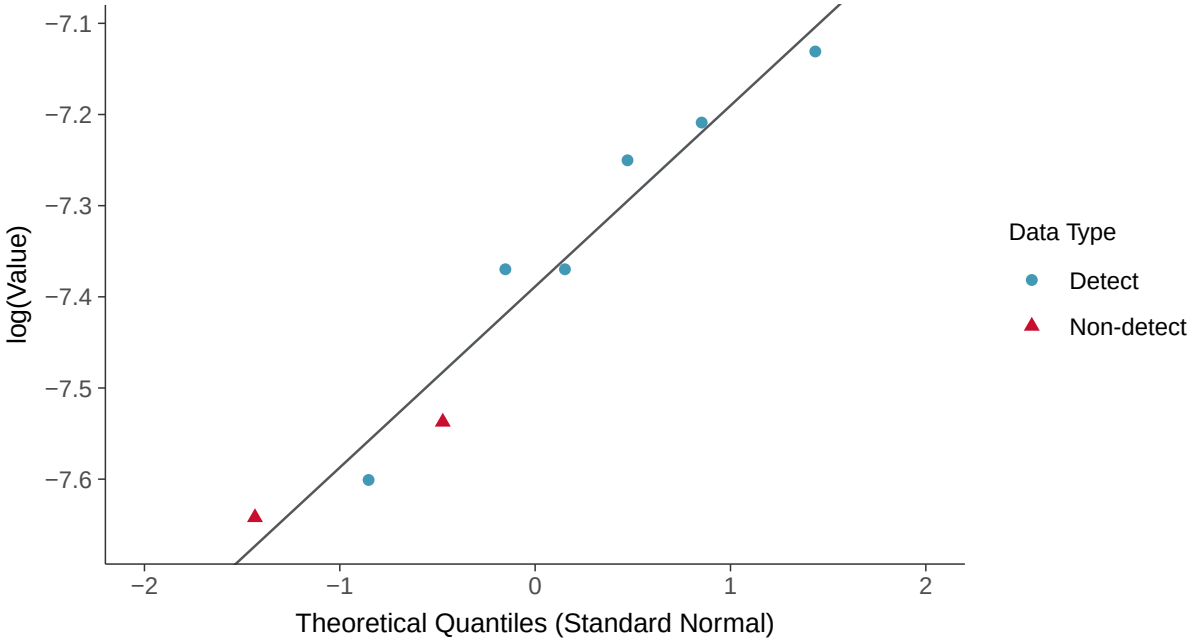
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-28 (mg/L)



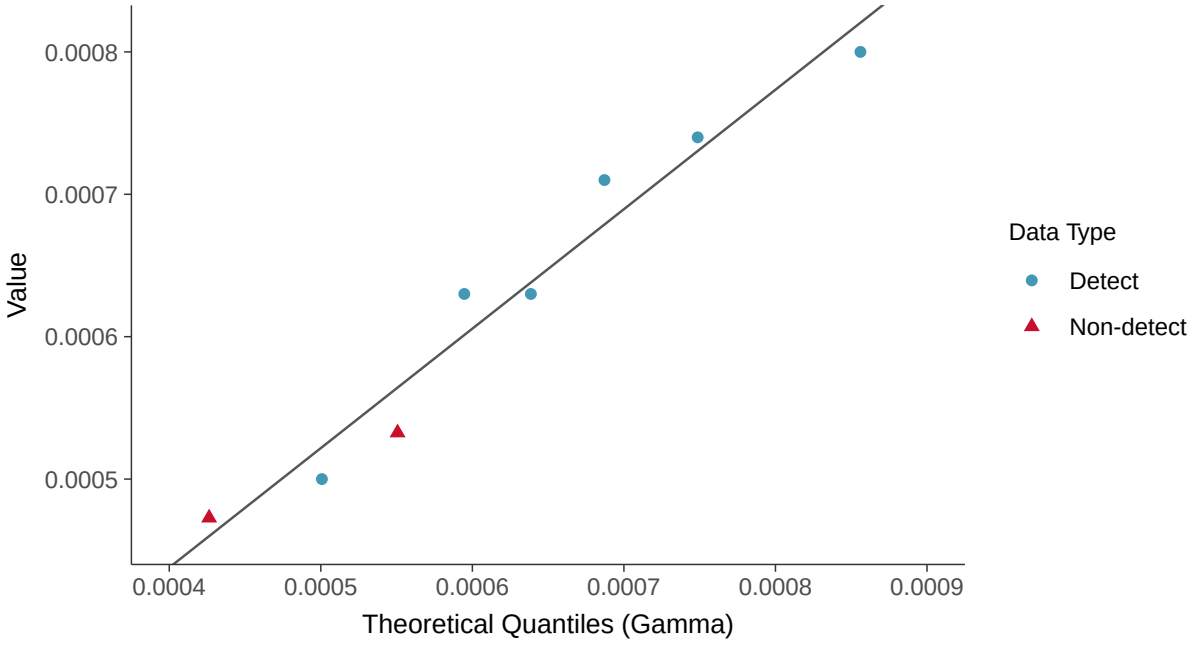
Lognormal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-28 (mg/L)



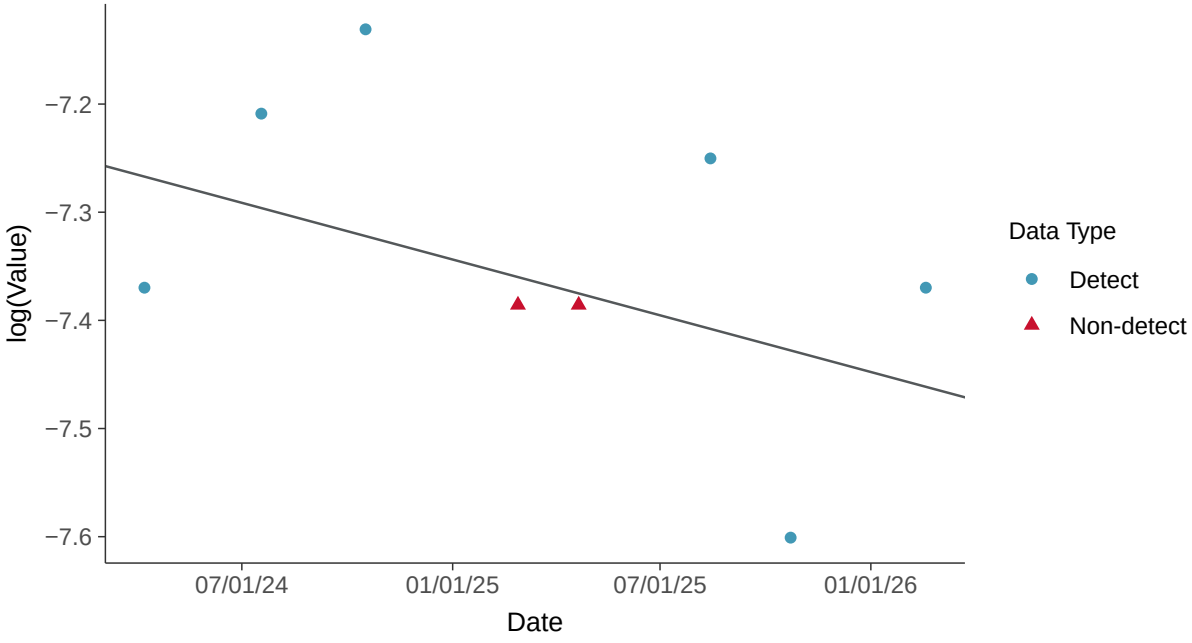
Gamma Q-Q plot using ROS Imputed Estimates

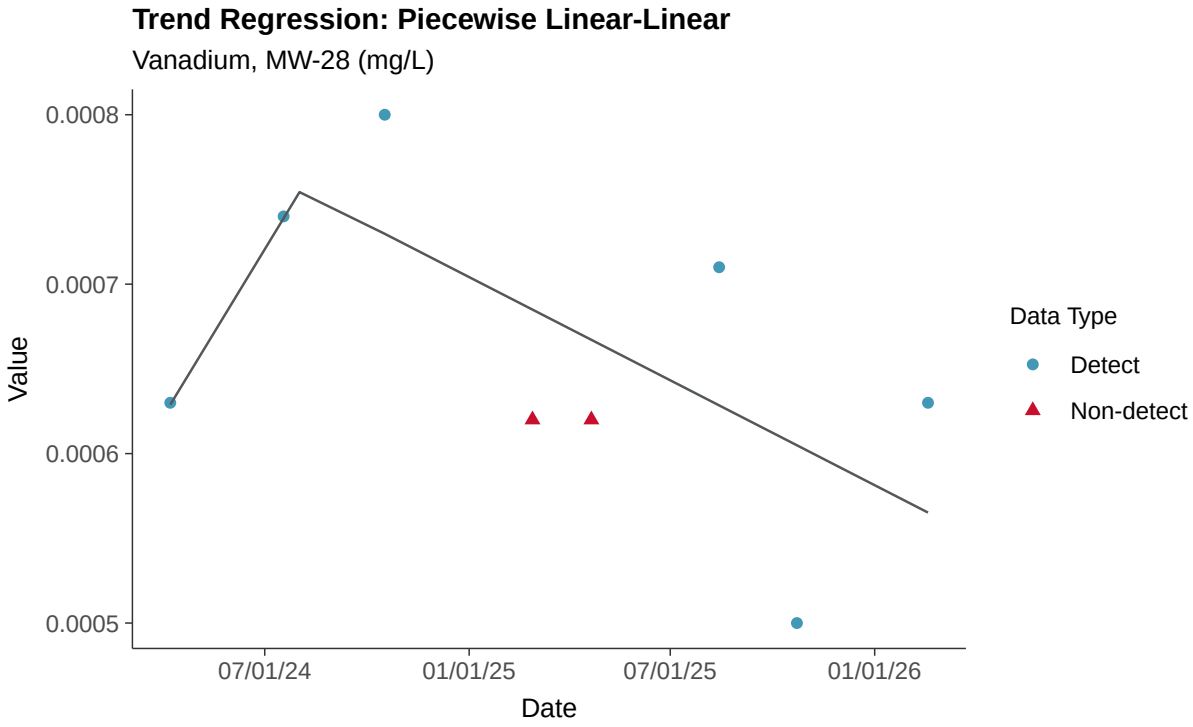
Vanadium, MW-28 (mg/L)



Trend Regression: Lognormal MLE

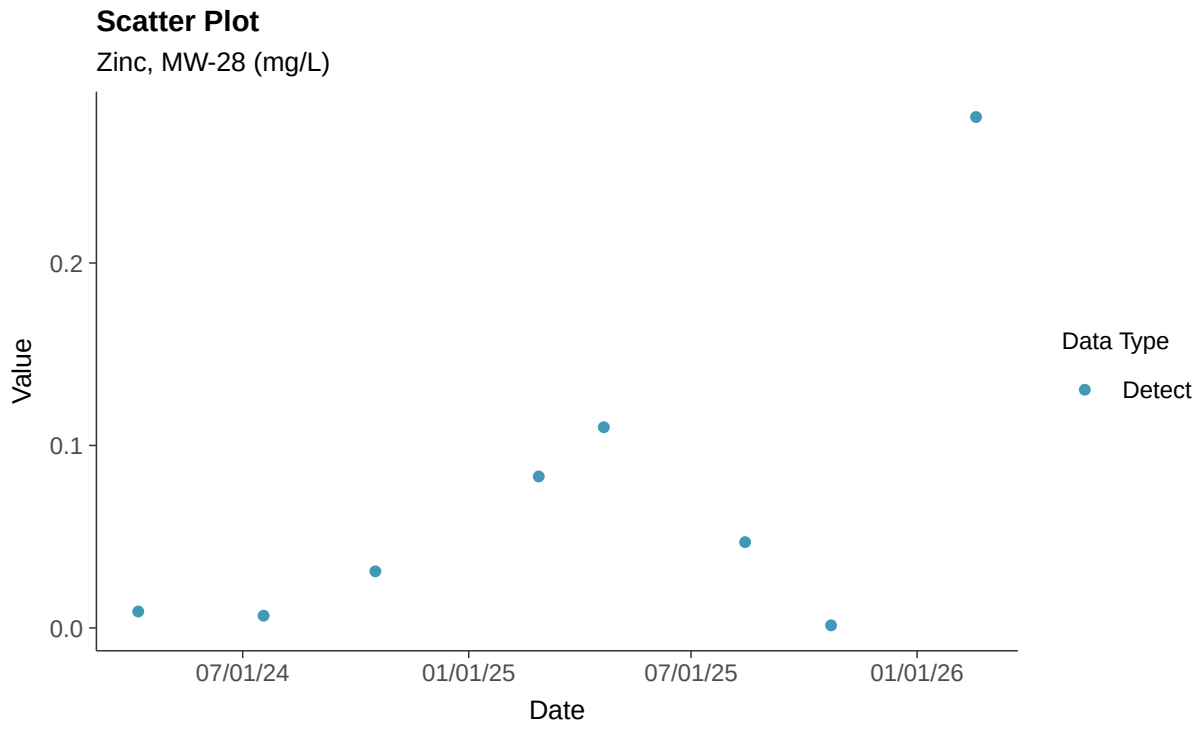
Vanadium, MW-28 (mg/L)

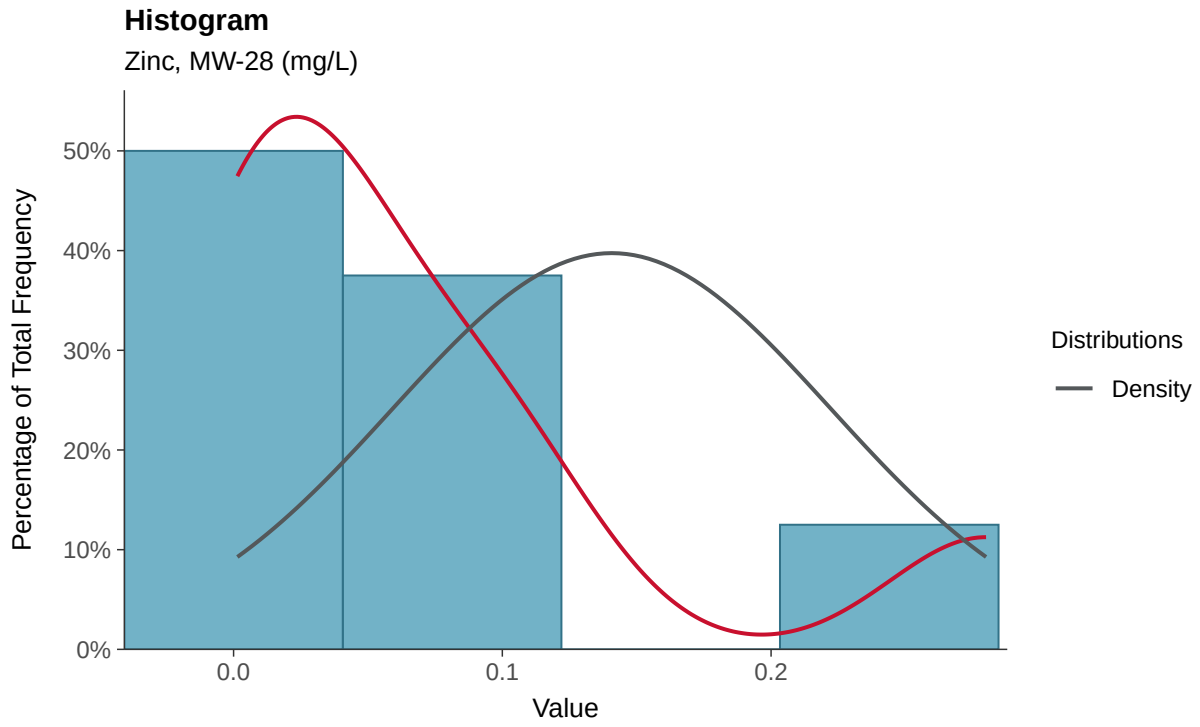



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-28 (mg/L)
0.0008
0.0007
0.0006
0.0005
Value
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Zinc, MW-28

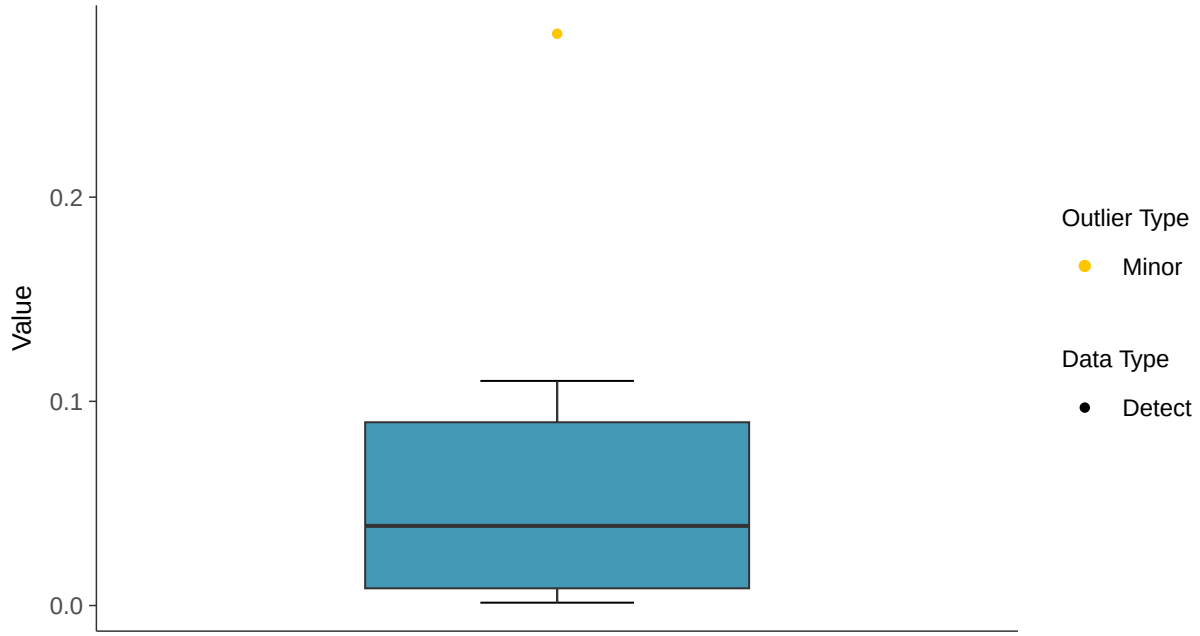
ID: 38_1_5_129





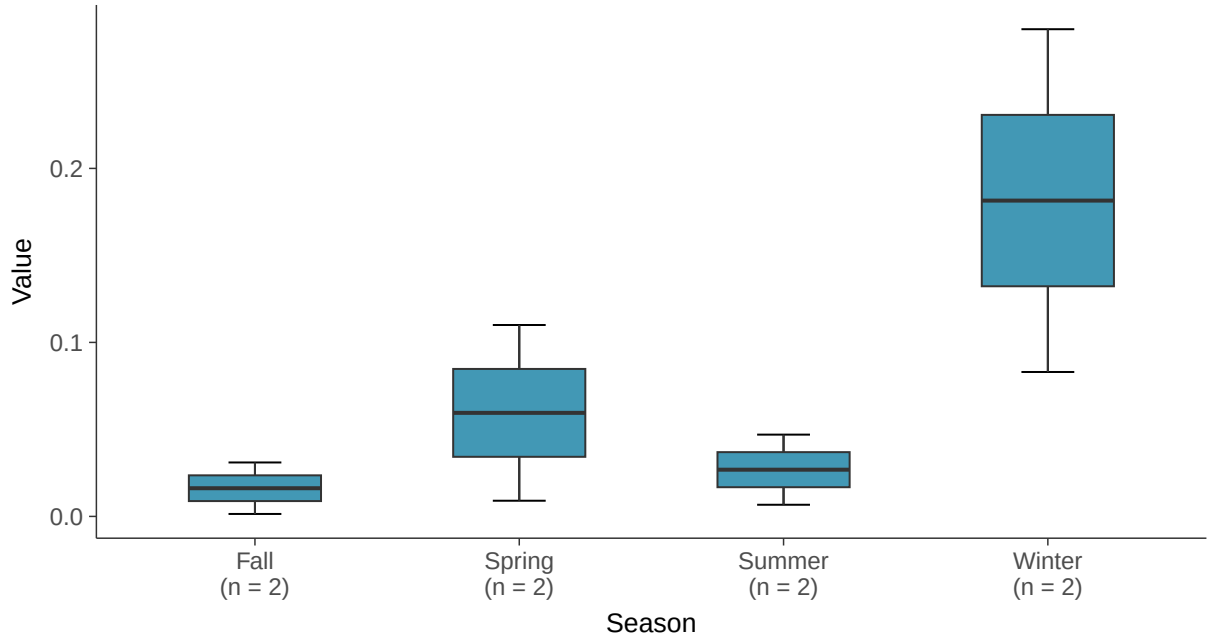
Boxplot

Zinc, MW-28 (mg/L)



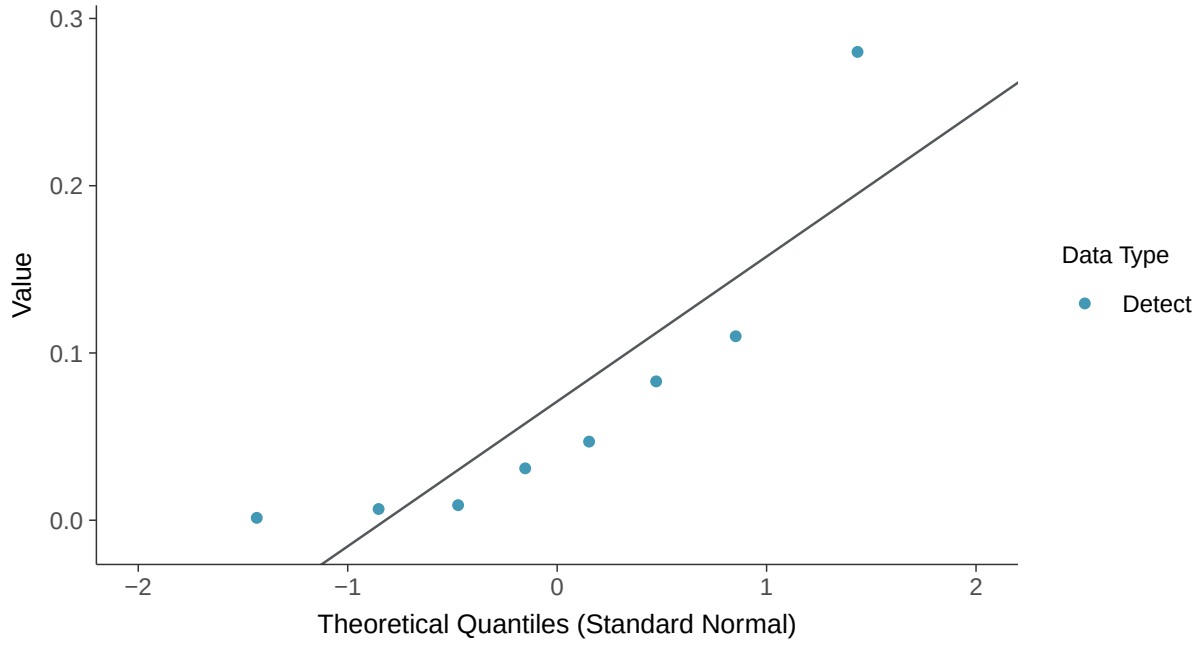
Boxplot by Season

Zinc, MW-28 (mg/L)



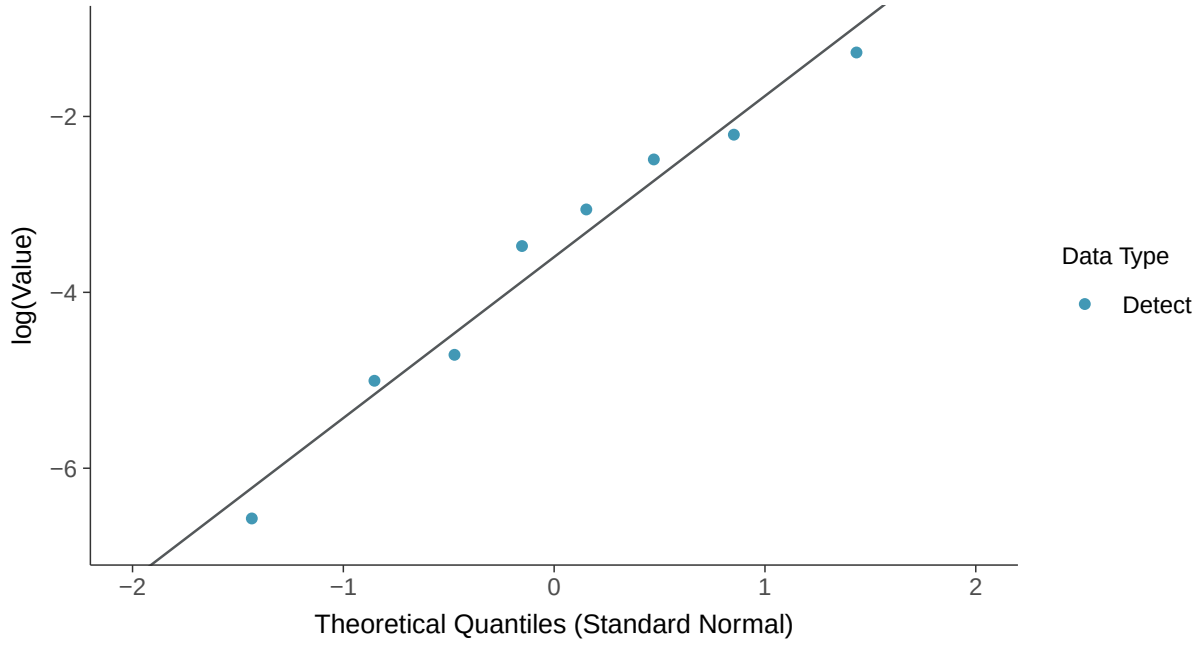
Normal Q-Q plot

Zinc, MW-28 (mg/L)



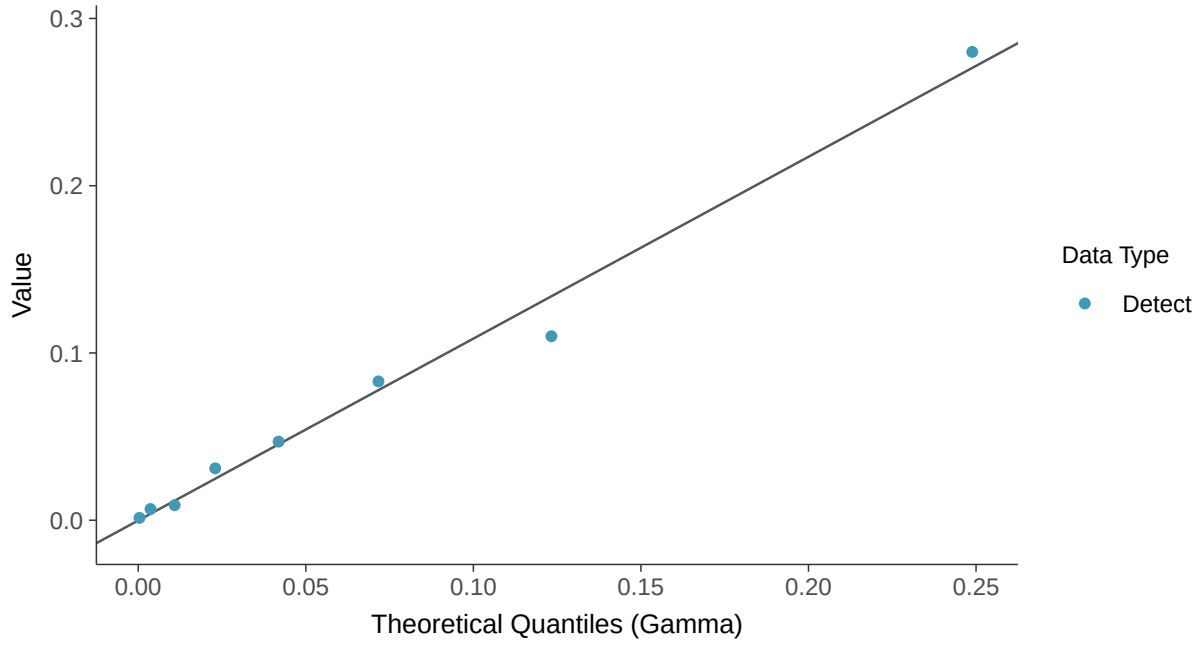
Lognormal Q-Q plot

Zinc, MW-28 (mg/L)



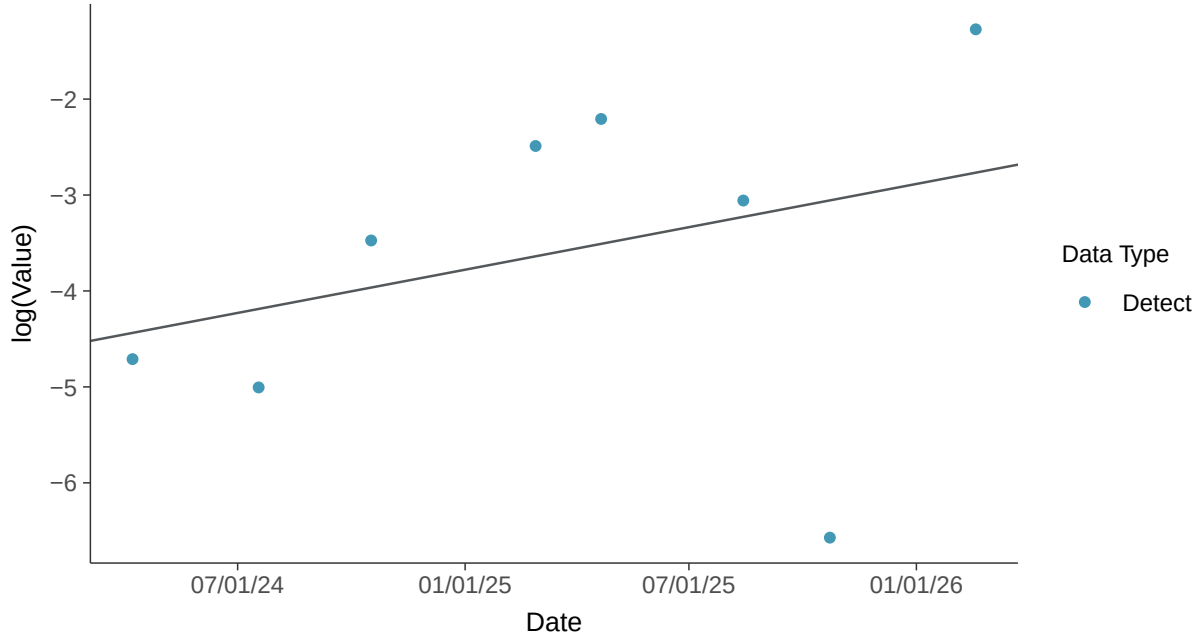
Gamma Q-Q plot

Zinc, MW-28 (mg/L)



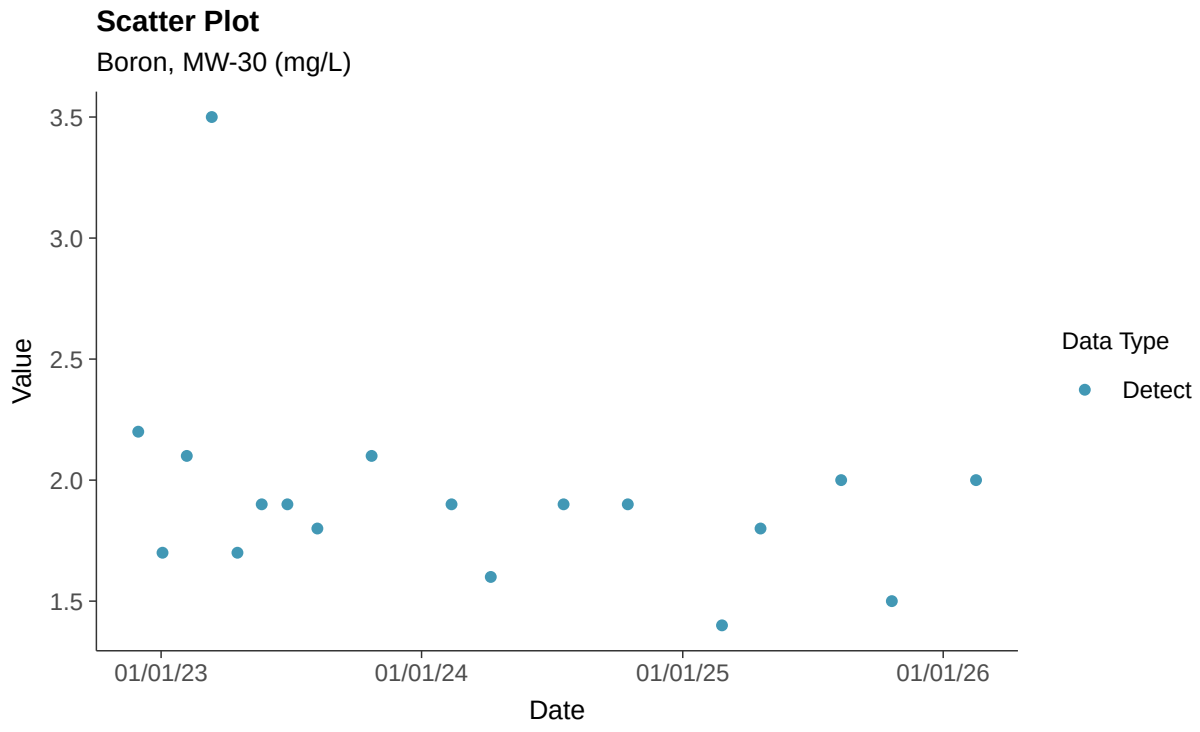
Trend Regression: Lognormal MLE

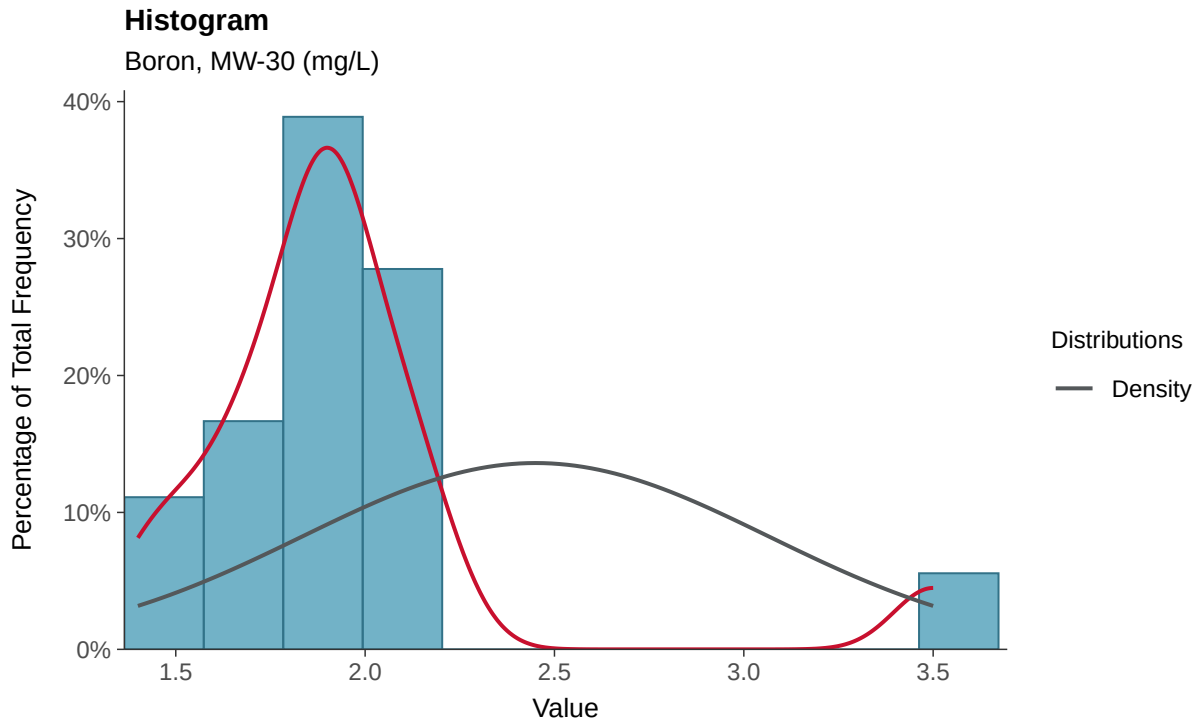
Zinc, MW-28 (mg/L)



Appendix III: Boron, MW-30

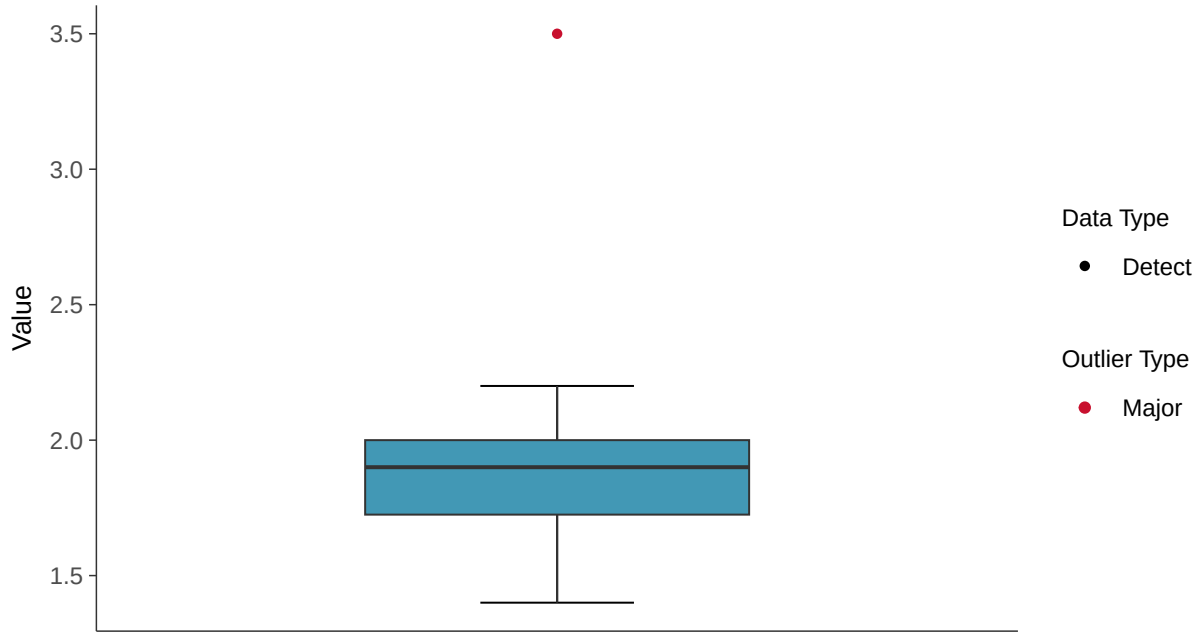
ID: 40_1_3_105





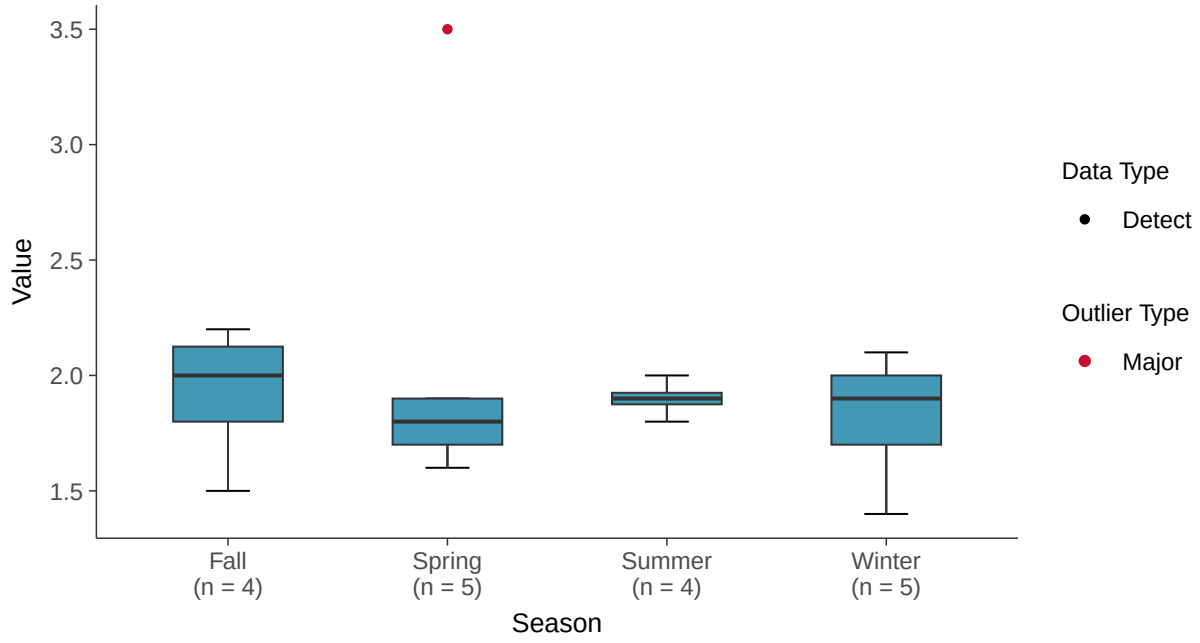
Boxplot

Boron, MW-30 (mg/L)



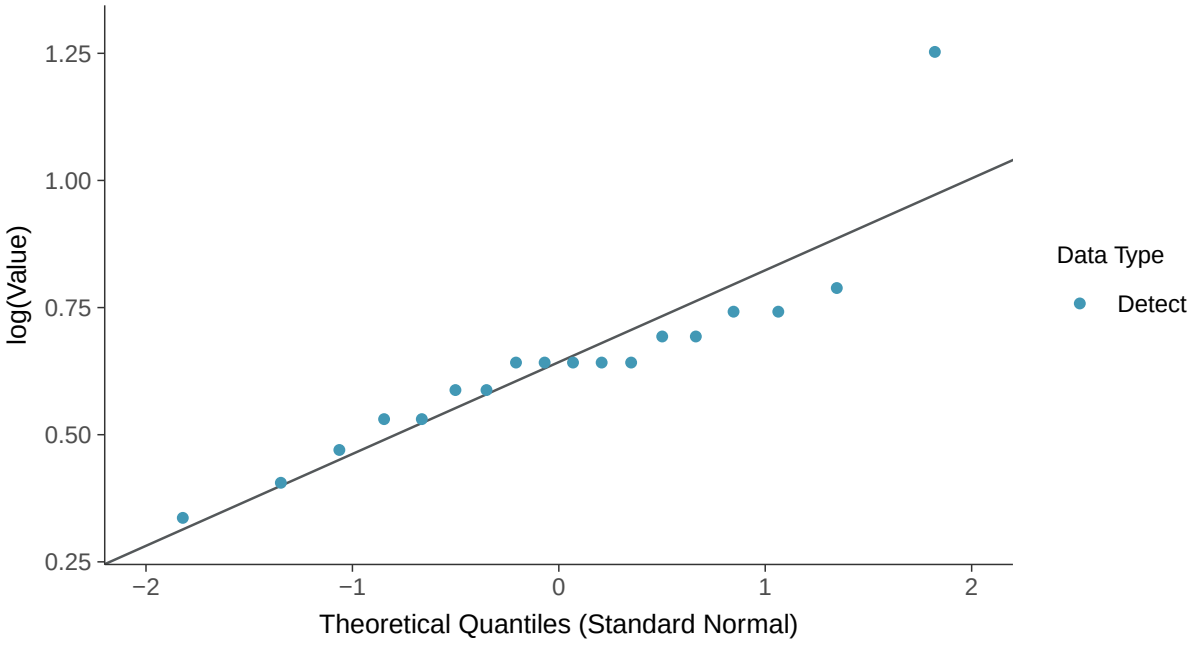
Boxplot by Season

Boron, MW-30 (mg/L)



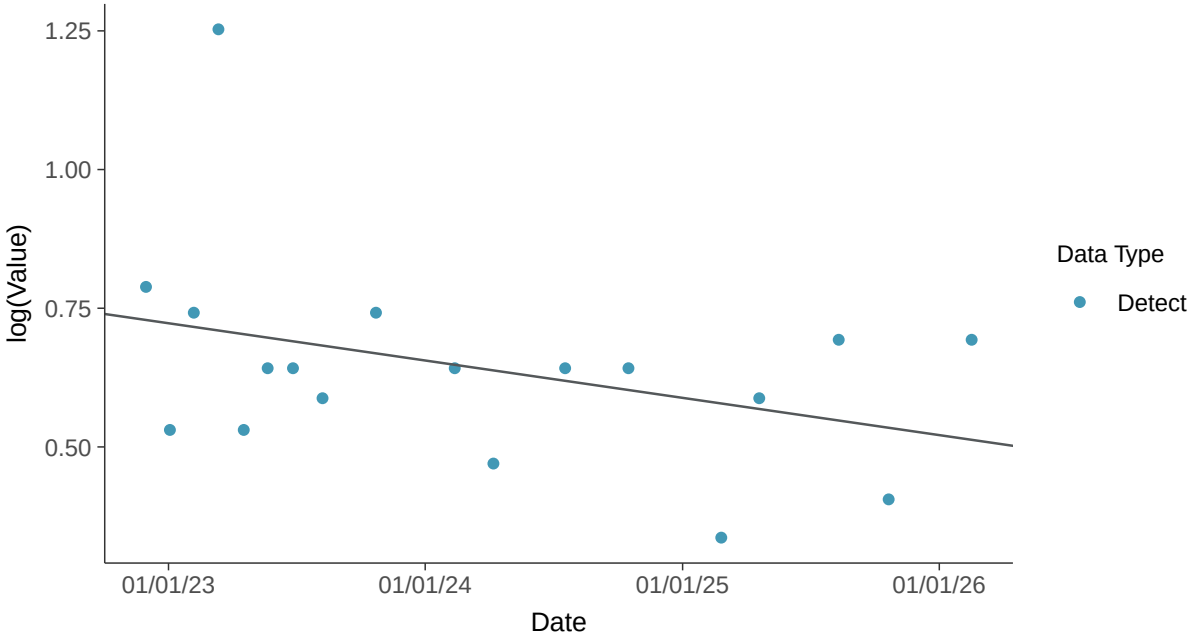
Lognormal Q-Q plot

Boron, MW-30 (mg/L)



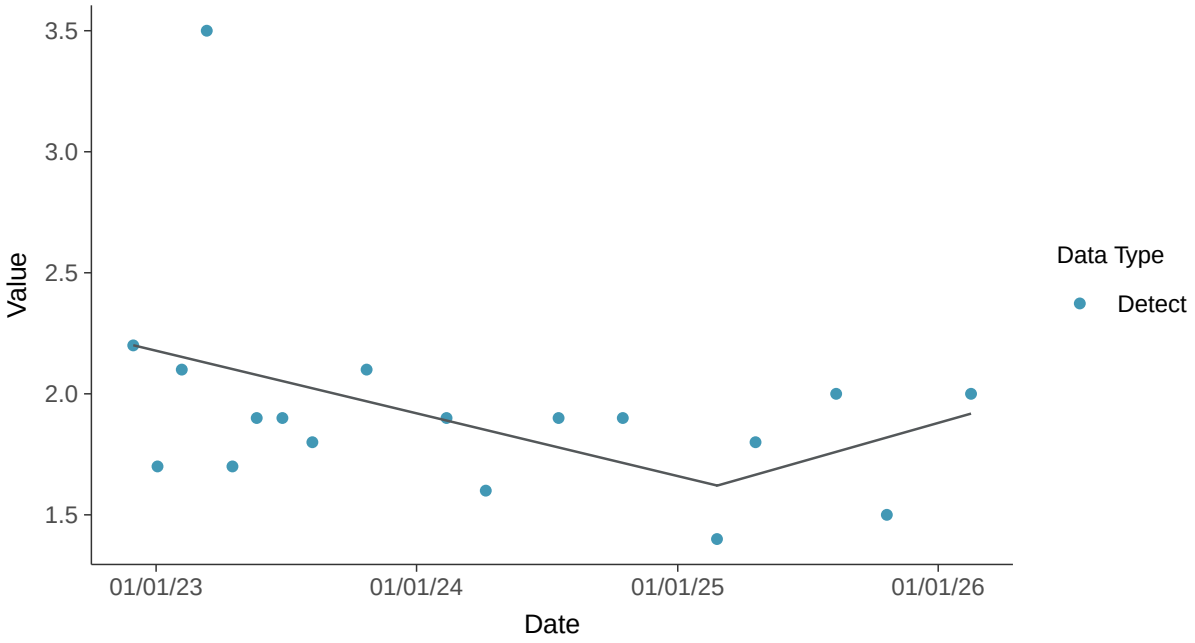
Trend Regression: Lognormal MLE

Boron, MW-30 (mg/L)



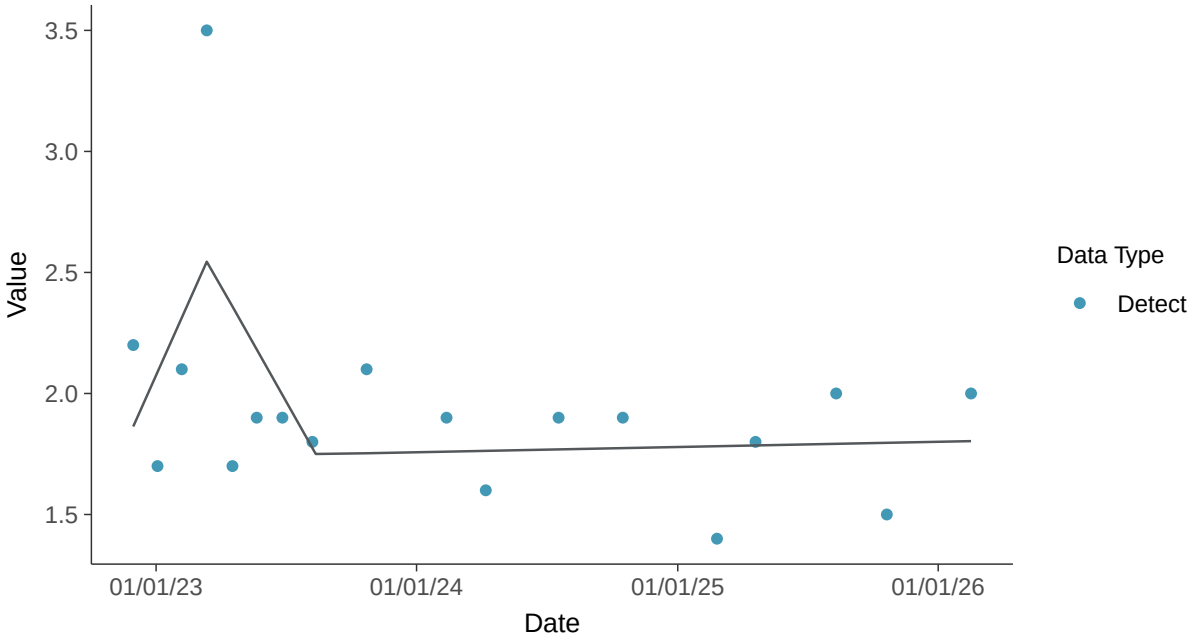
Trend Regression: Piecewise Linear-Linear

Boron, MW-30 (mg/L)



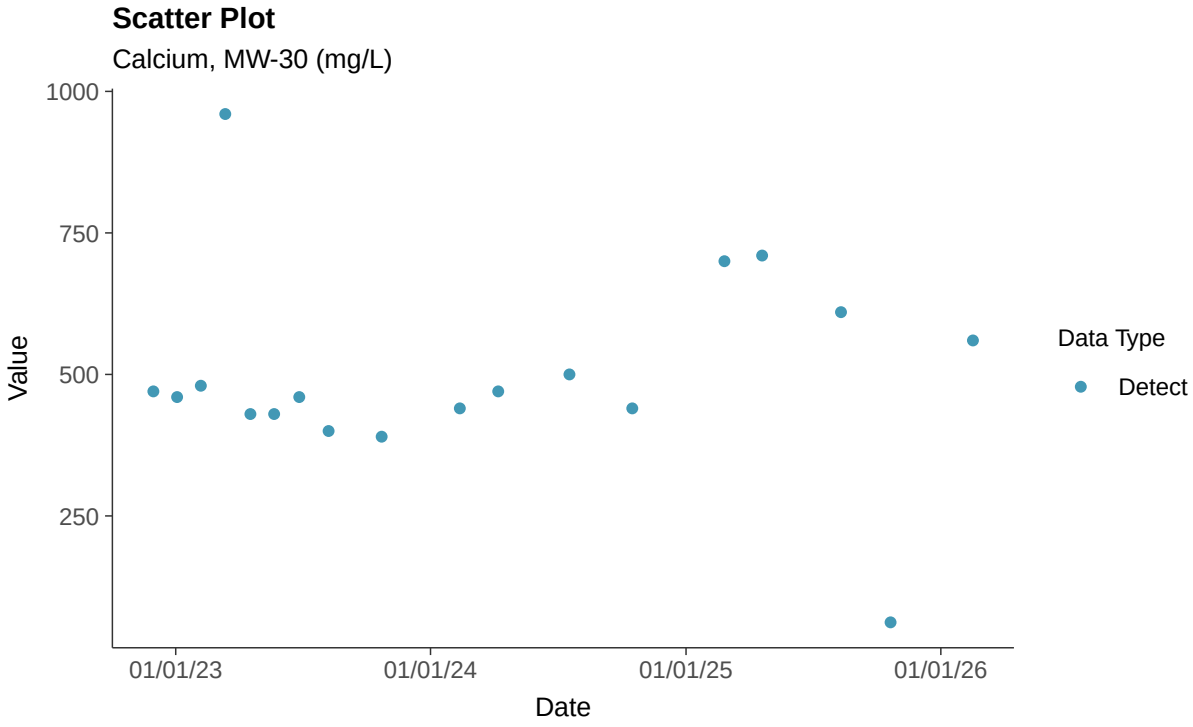
Trend Regression: Piecewise Linear-Linear-Linear

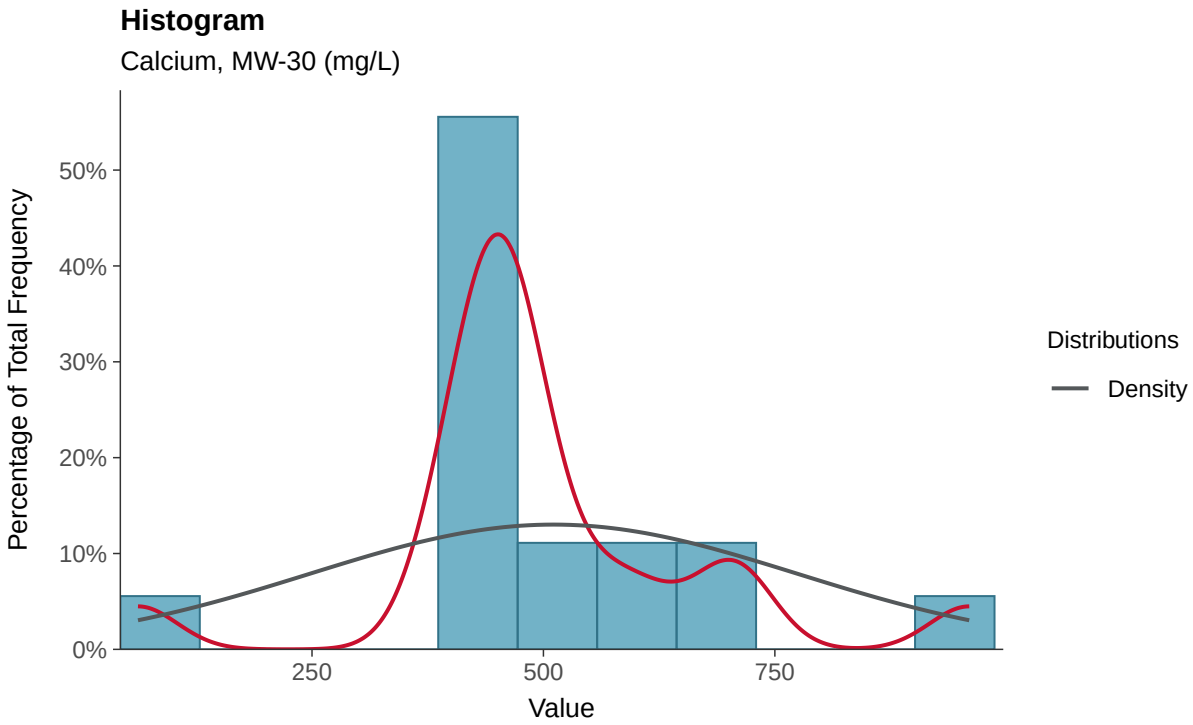
Boron, MW-30 (mg/L)



Appendix III: Calcium, MW-30

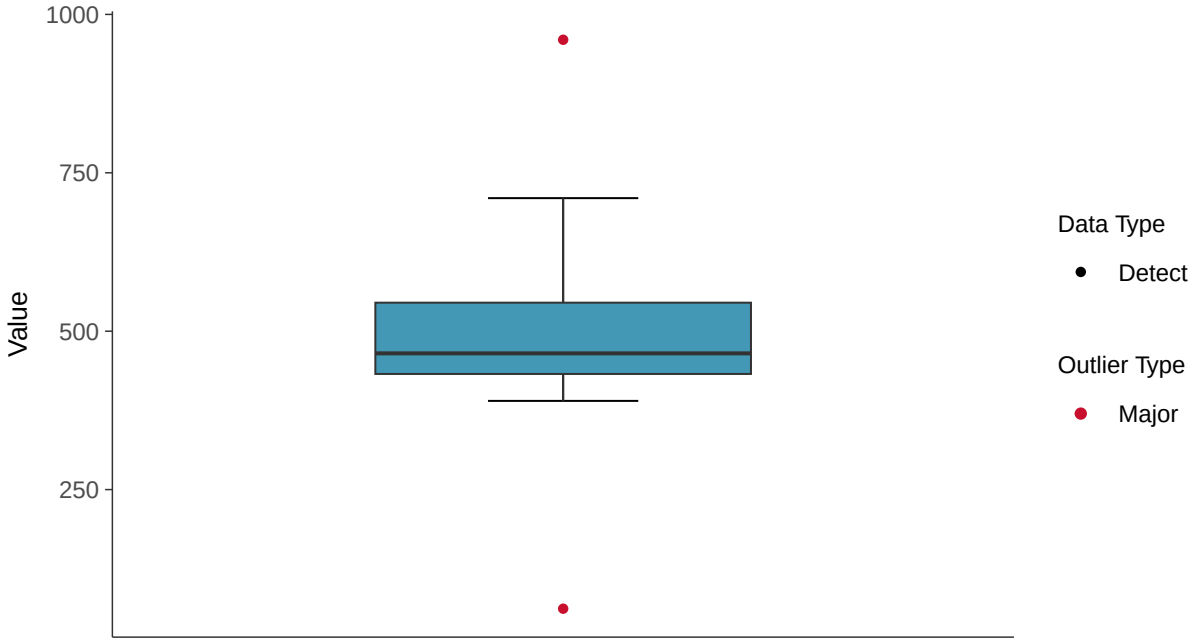
ID: 40_1_3_107





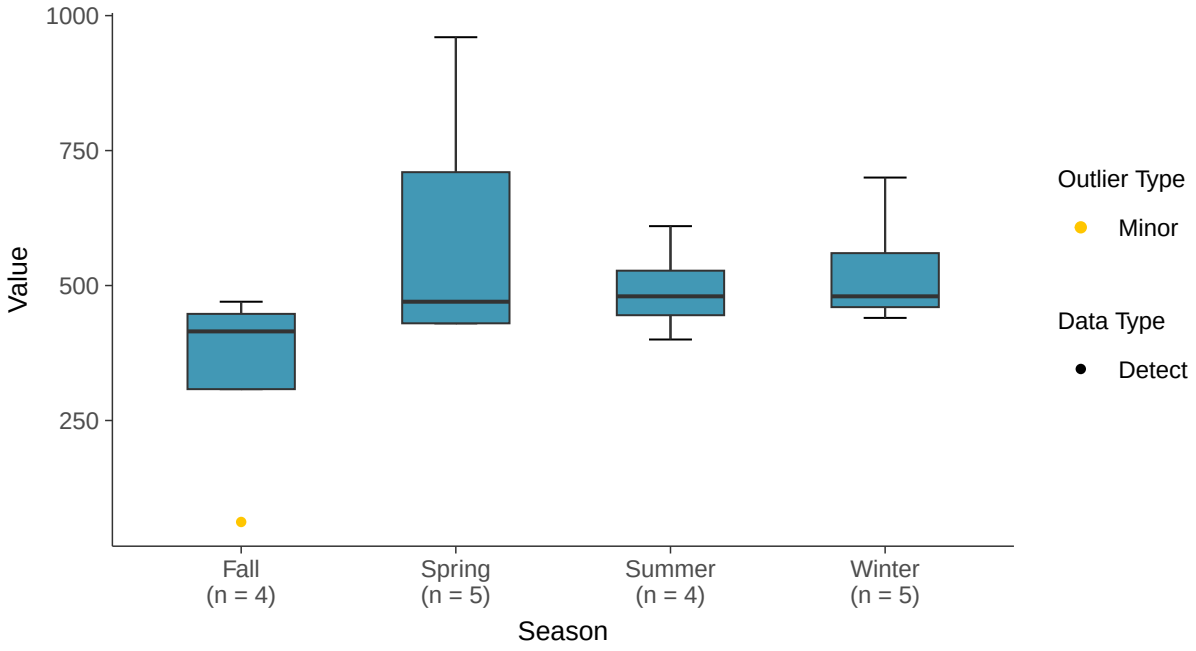
Boxplot

Calcium, MW-30 (mg/L)



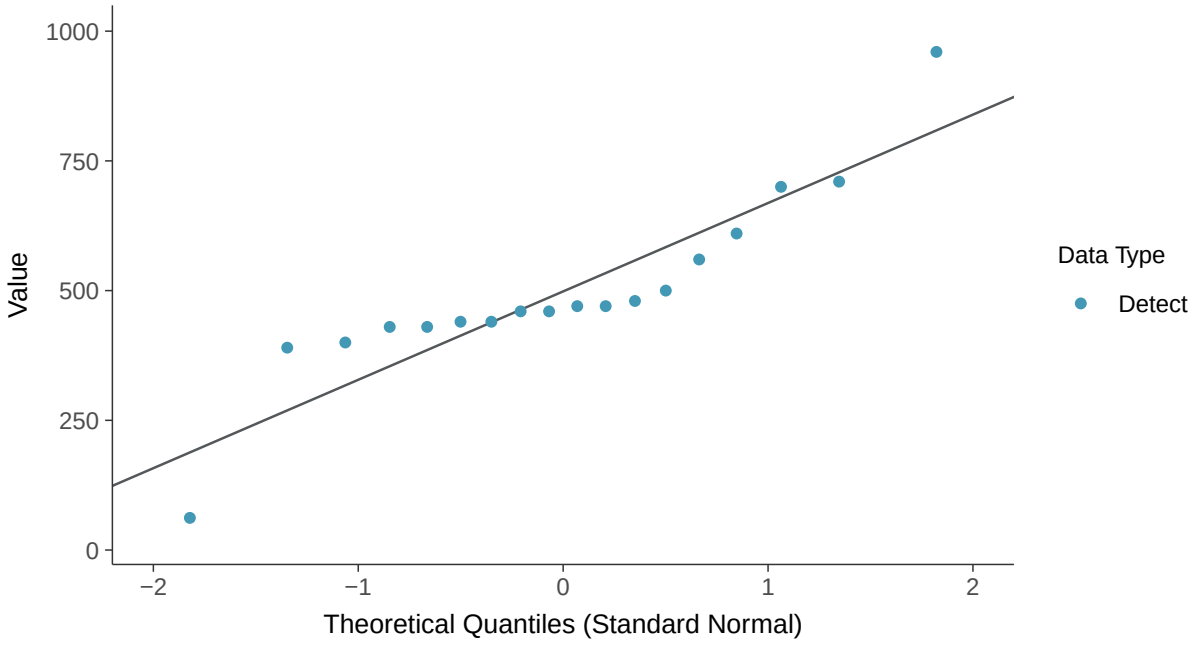
Boxplot by Season

Calcium, MW-30 (mg/L)



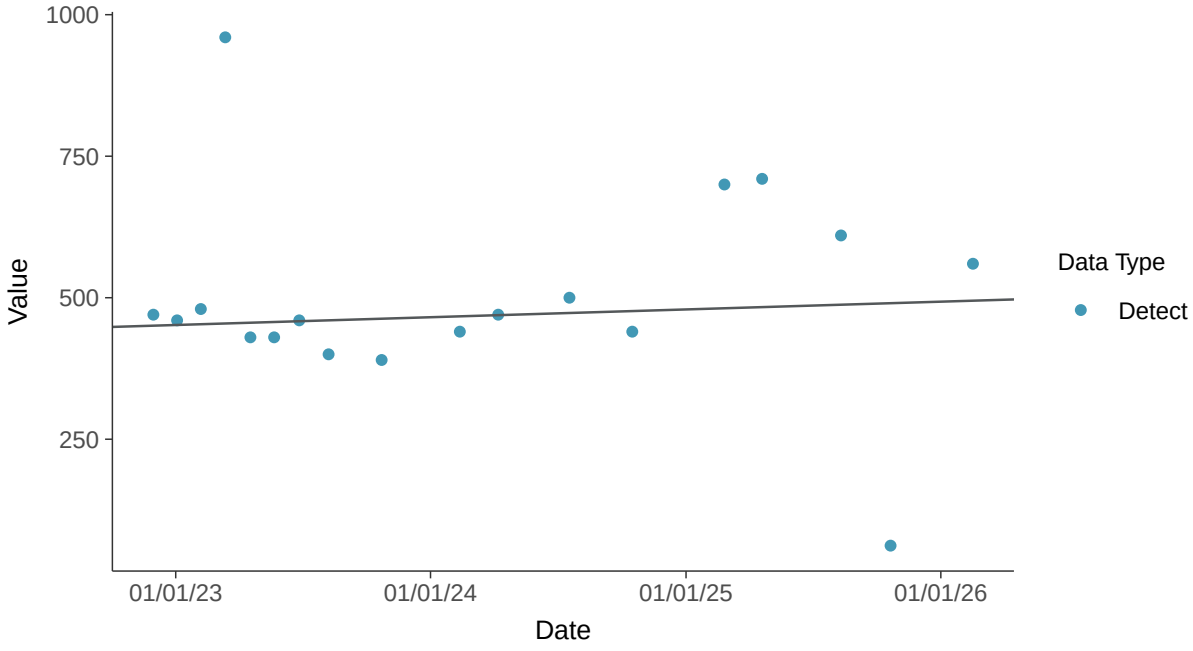
Normal Q-Q plot

Calcium, MW-30 (mg/L)



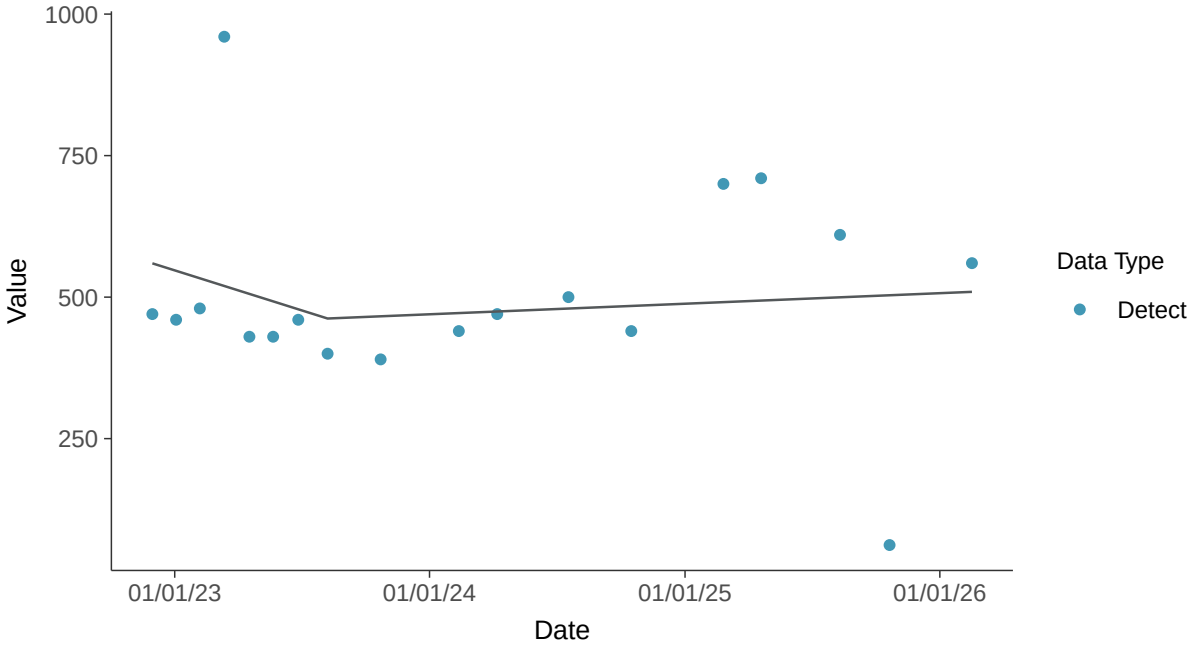
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Calcium, MW-30 (mg/L)



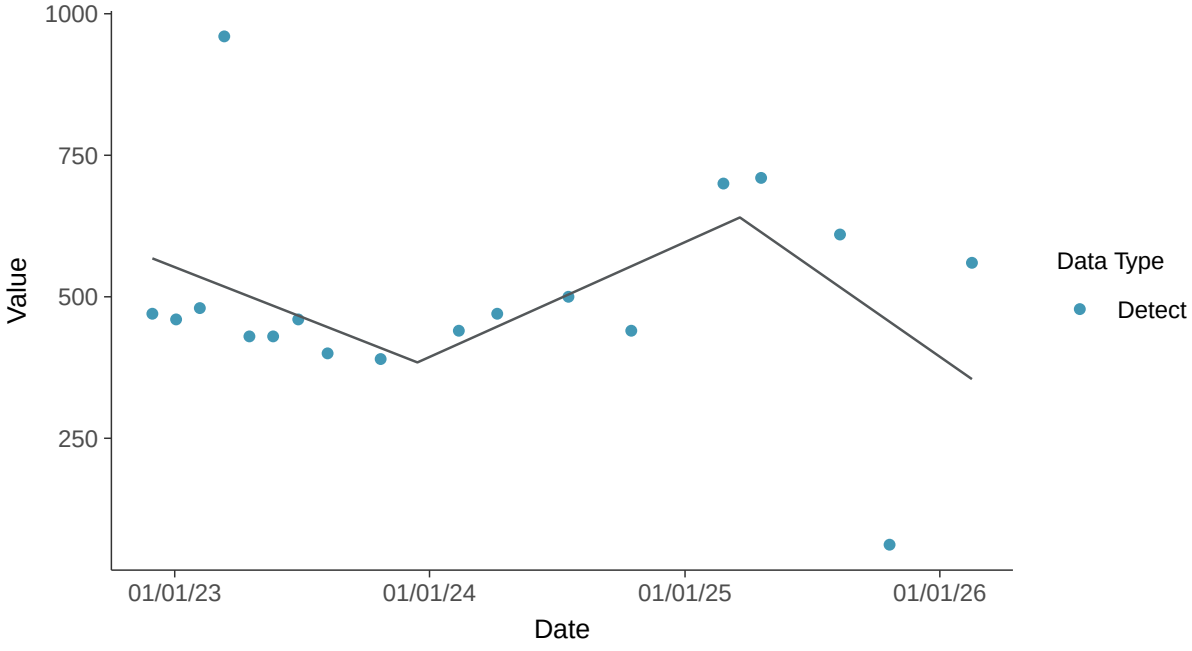
Trend Regression: Piecewise Linear-Linear

Calcium, MW-30 (mg/L)



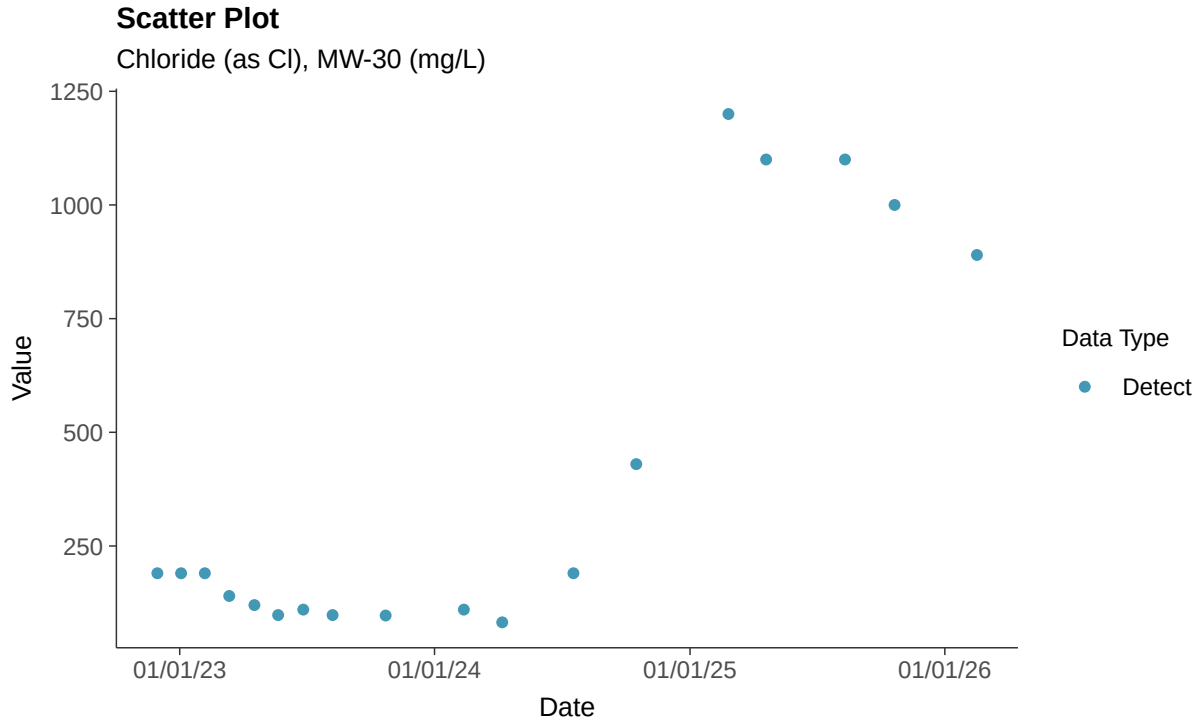
Trend Regression: Piecewise Linear-Linear-Linear

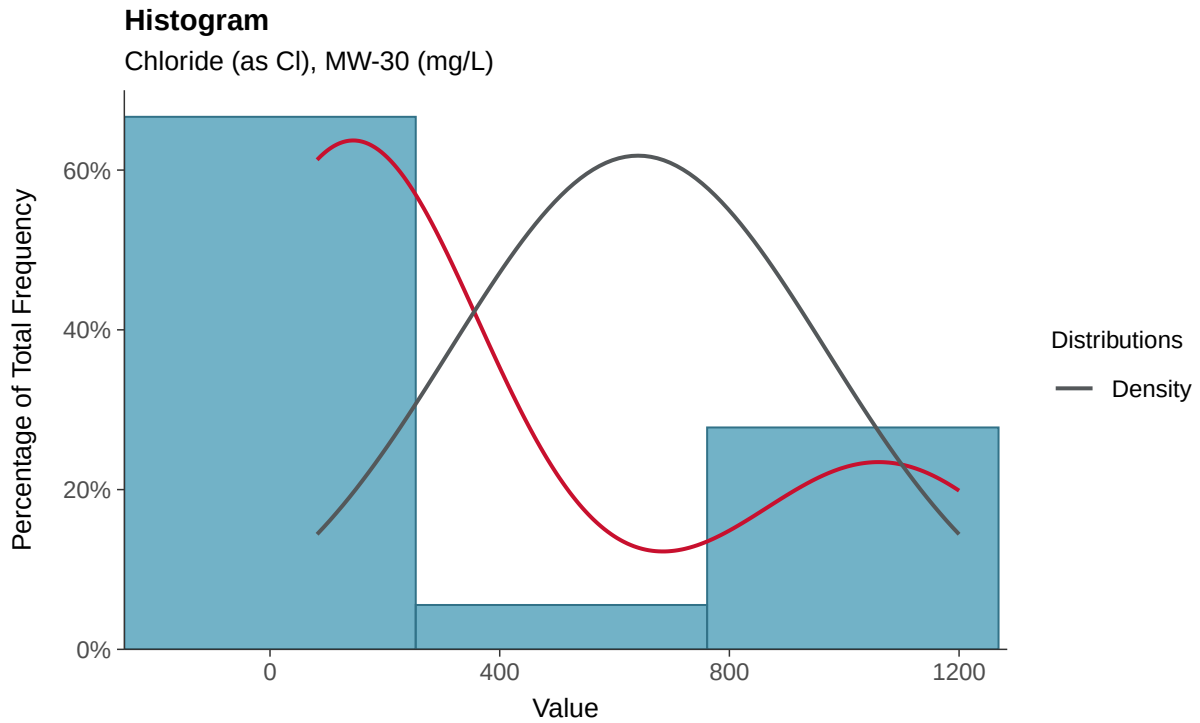
Calcium, MW-30 (mg/L)



Appendix III: Chloride (as Cl), MW-30

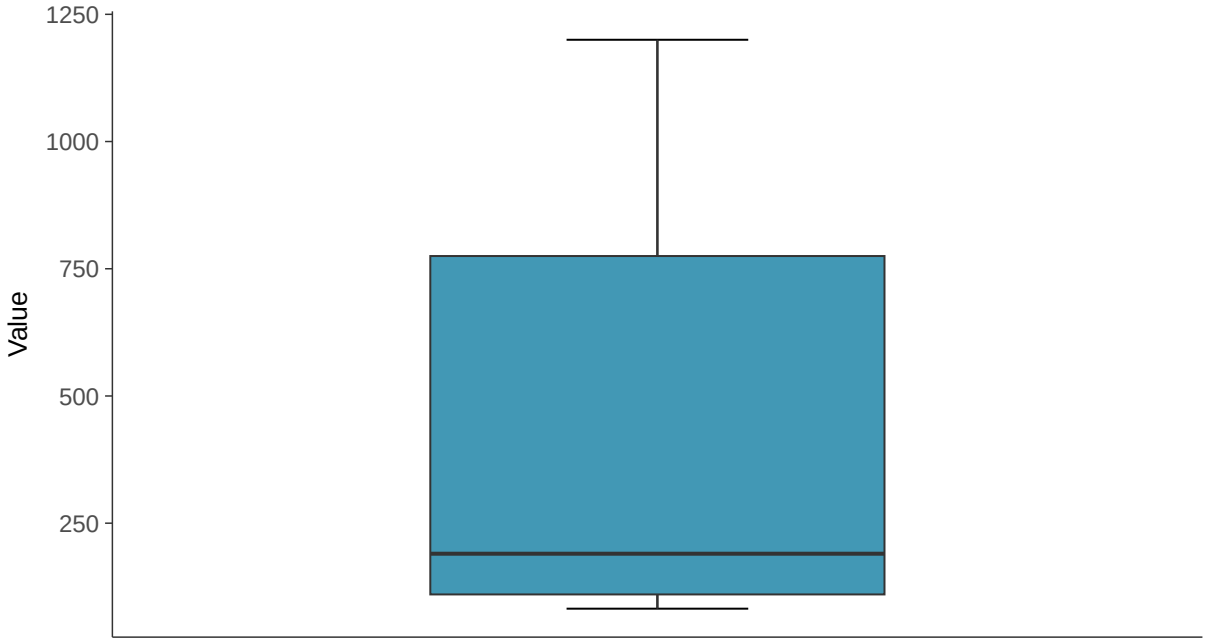
ID: 40_1_3_108





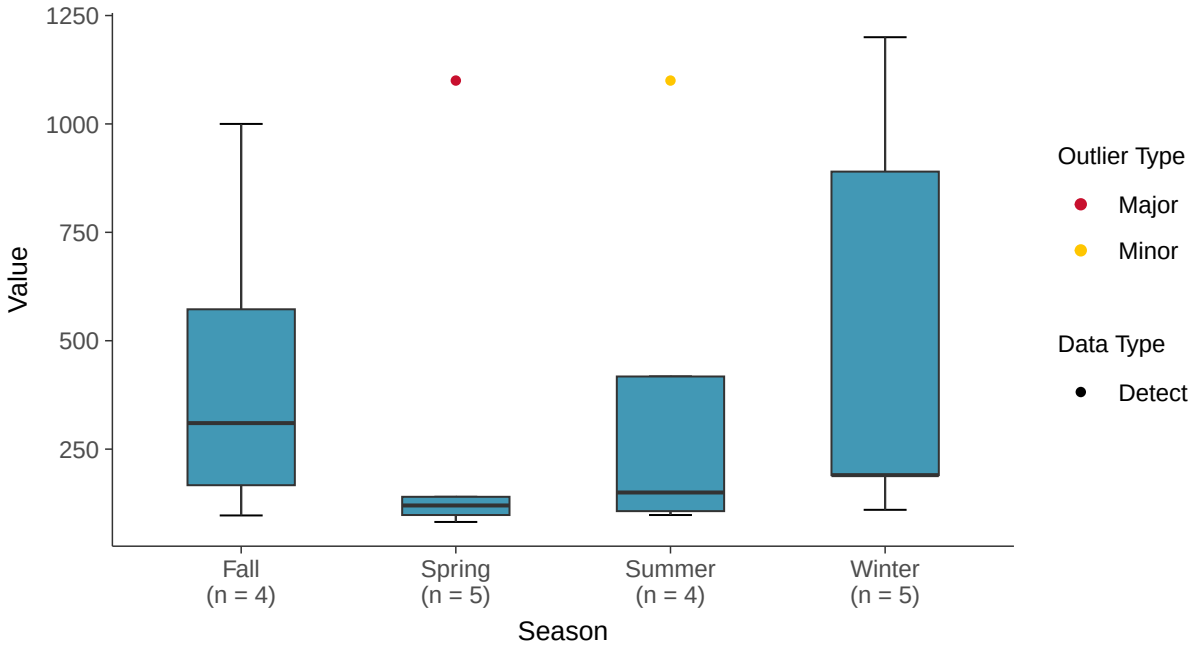
Boxplot

Chloride (as Cl), MW-30 (mg/L)



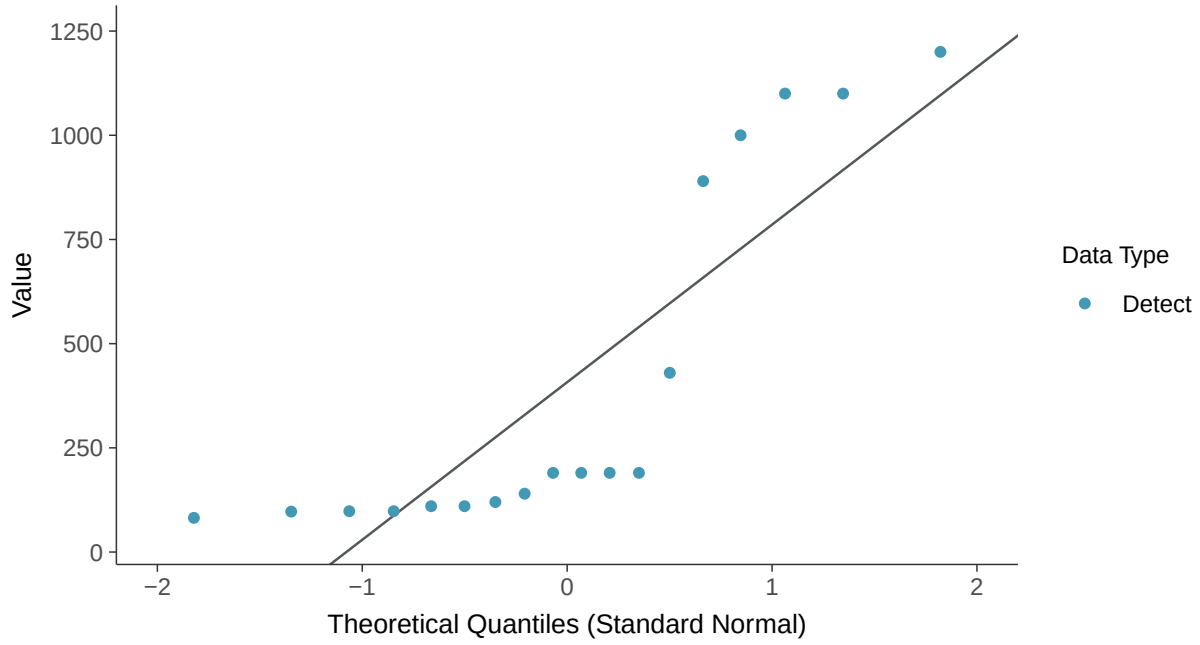
Boxplot by Season

Chloride (as Cl), MW-30 (mg/L)



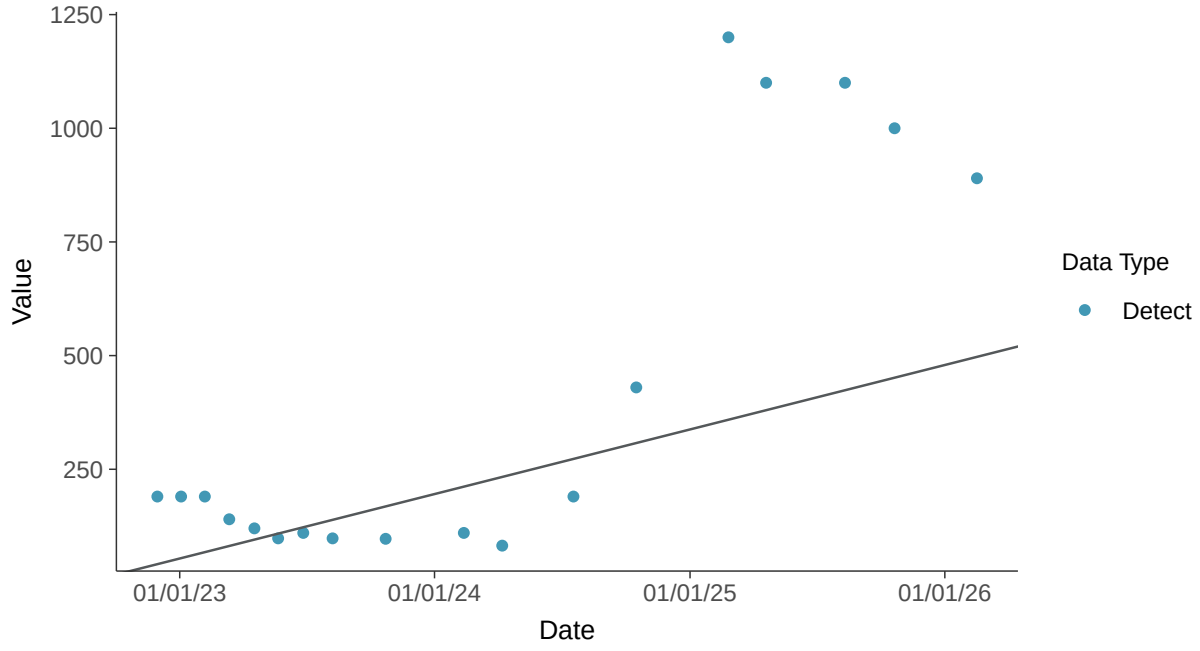
Normal Q-Q plot

Chloride (as Cl), MW-30 (mg/L)



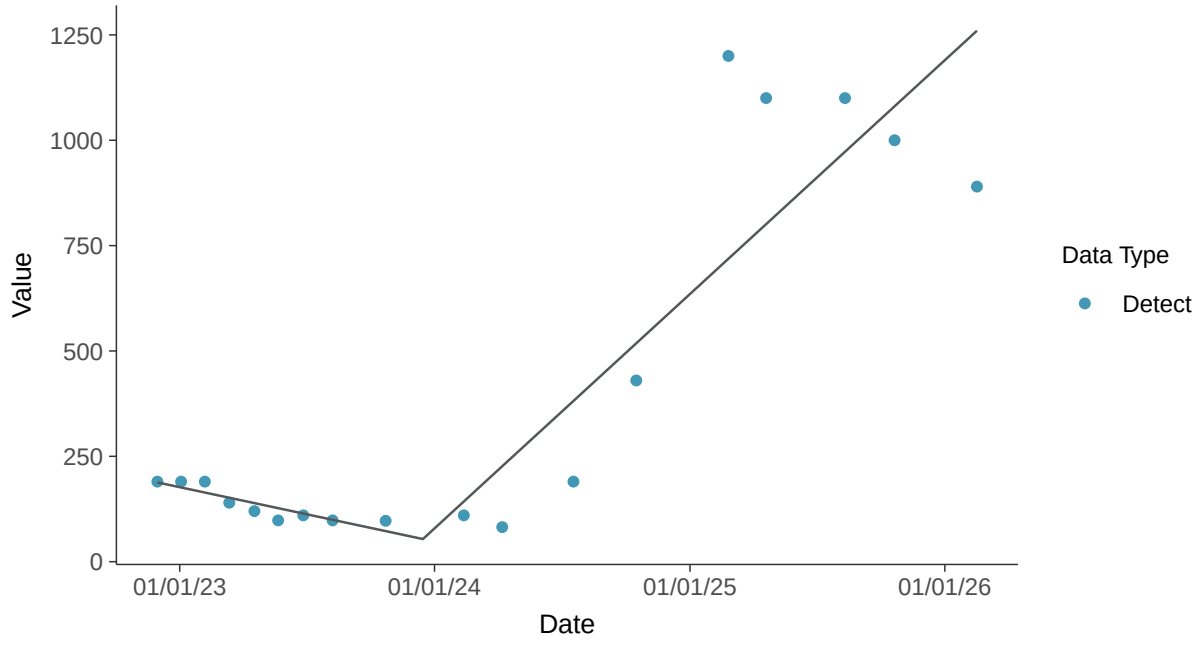
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Chloride (as Cl), MW-30 (mg/L)



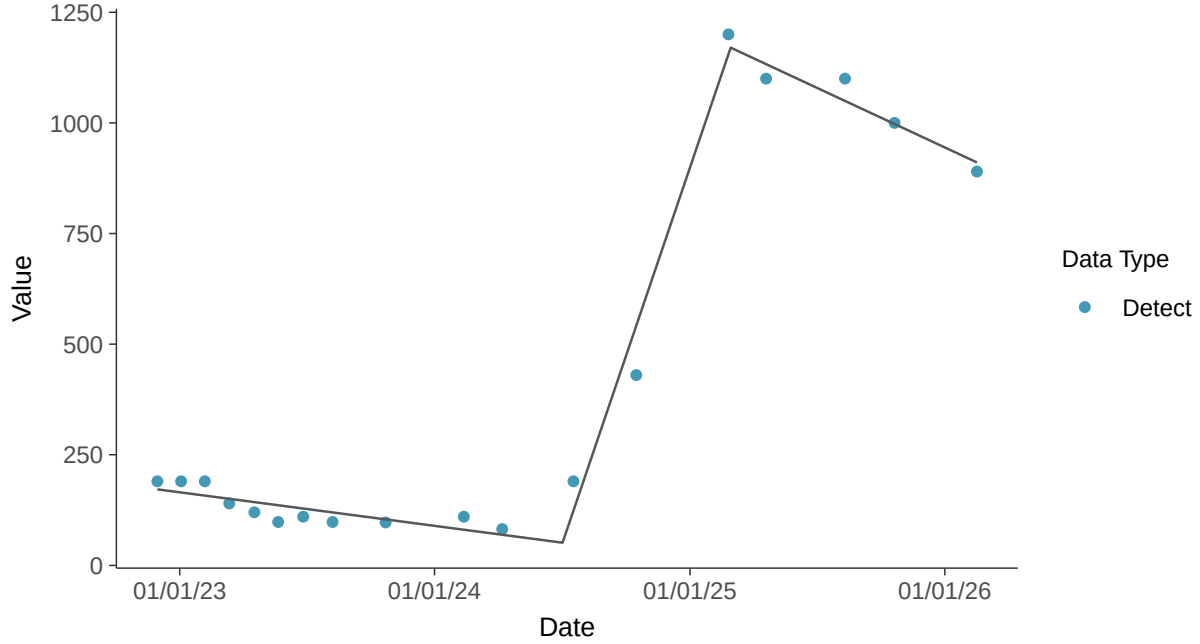
Trend Regression: Piecewise Linear-Linear

Chloride (as Cl), MW-30 (mg/L)



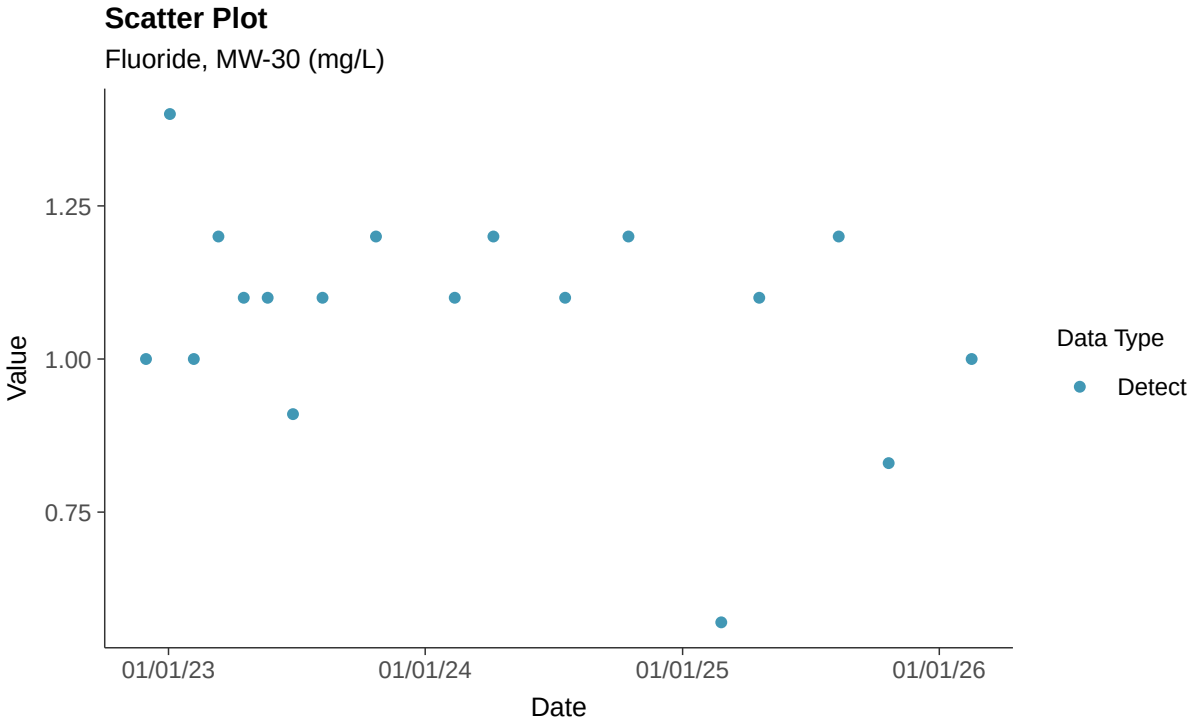
Trend Regression: Piecewise Linear-Linear-Linear

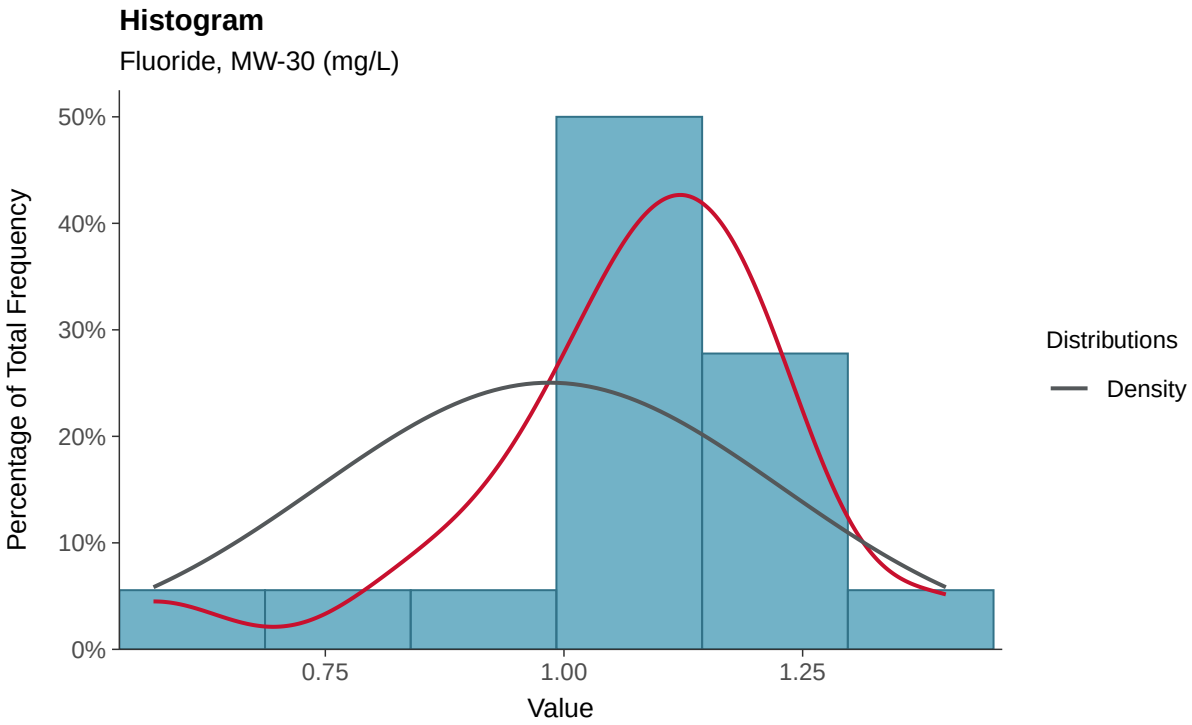
Chloride (as Cl), MW-30 (mg/L)



Appendix III: Fluoride, MW-30

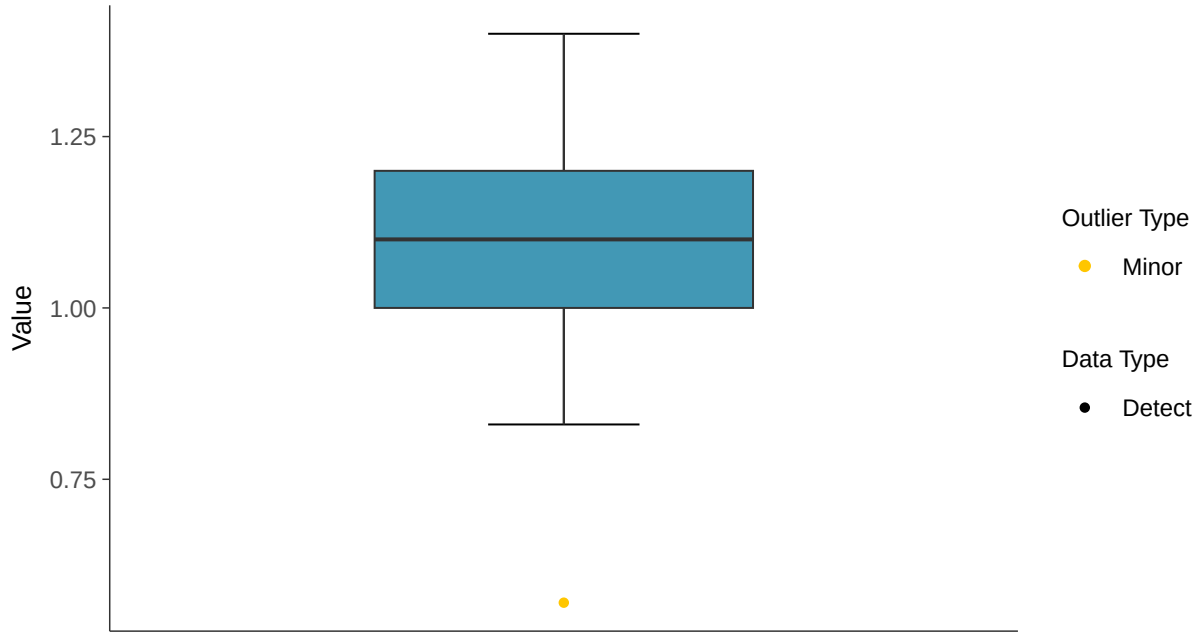
ID: 40_1_3_112





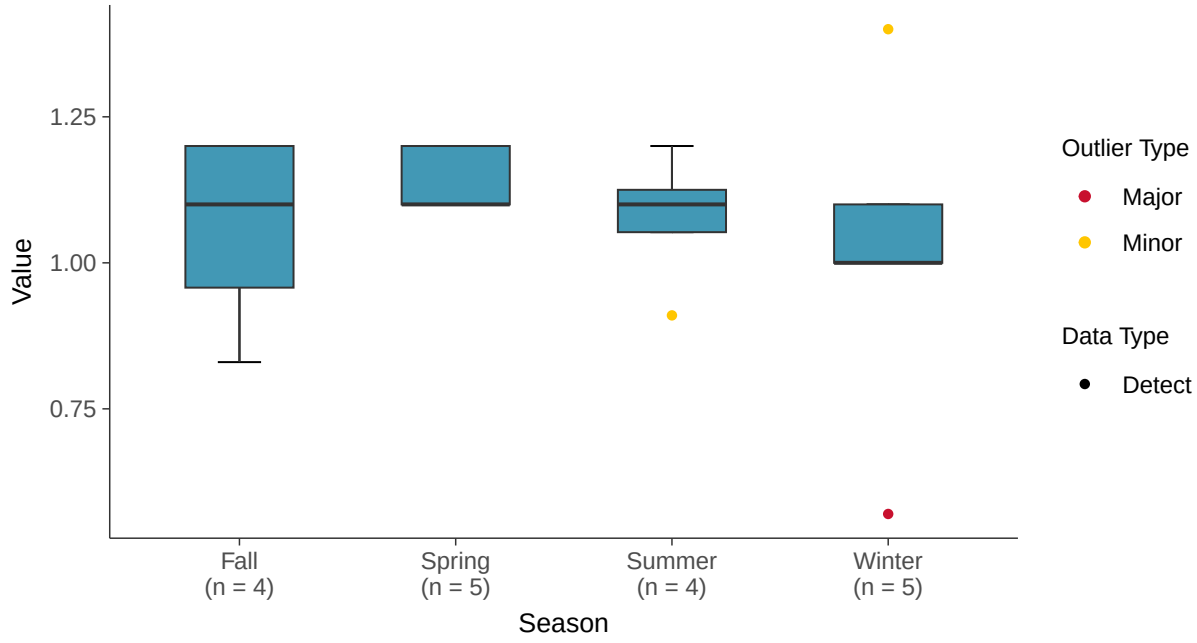
Boxplot

Fluoride, MW-30 (mg/L)



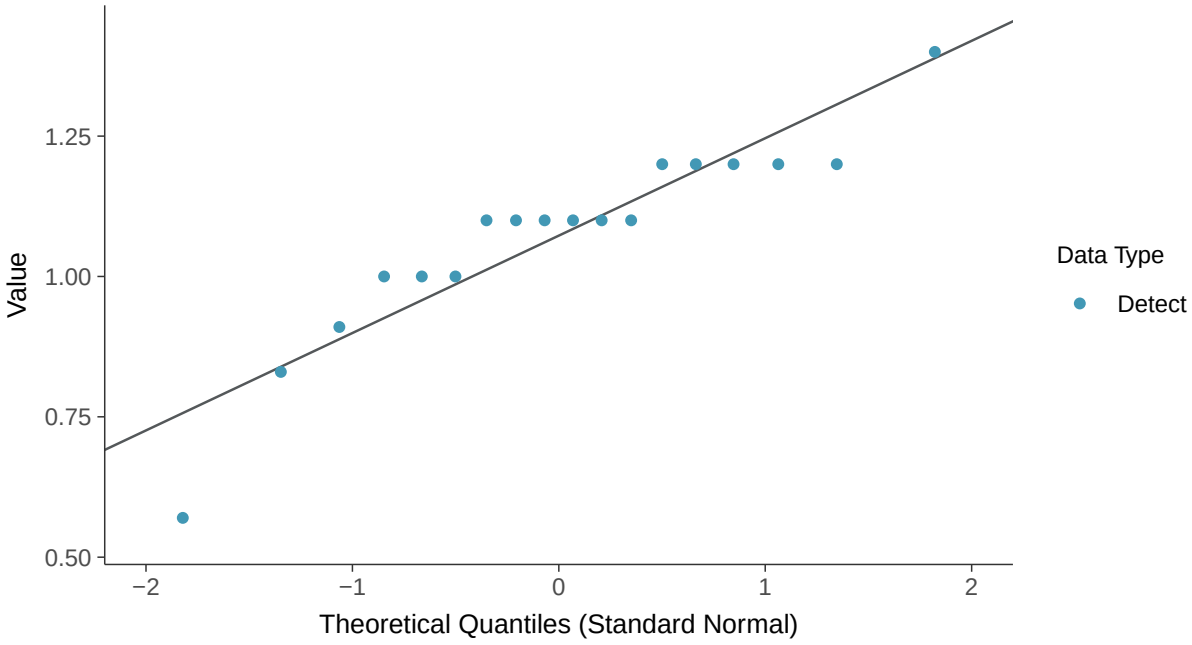
Boxplot by Season

Fluoride, MW-30 (mg/L)



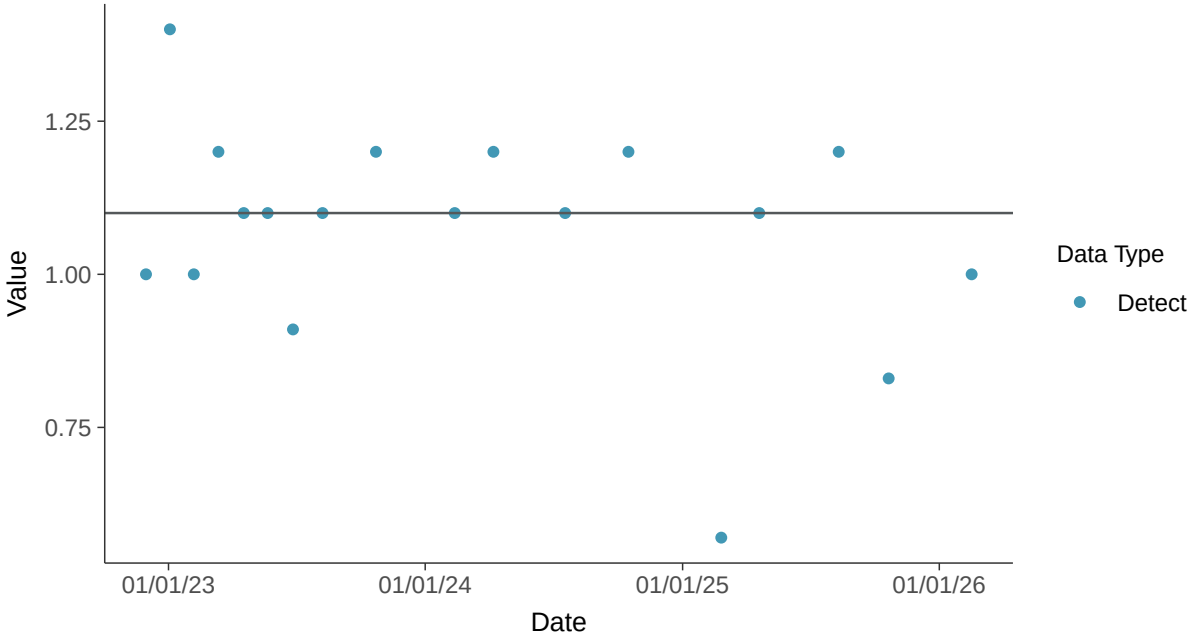
Normal Q-Q plot

Fluoride, MW-30 (mg/L)



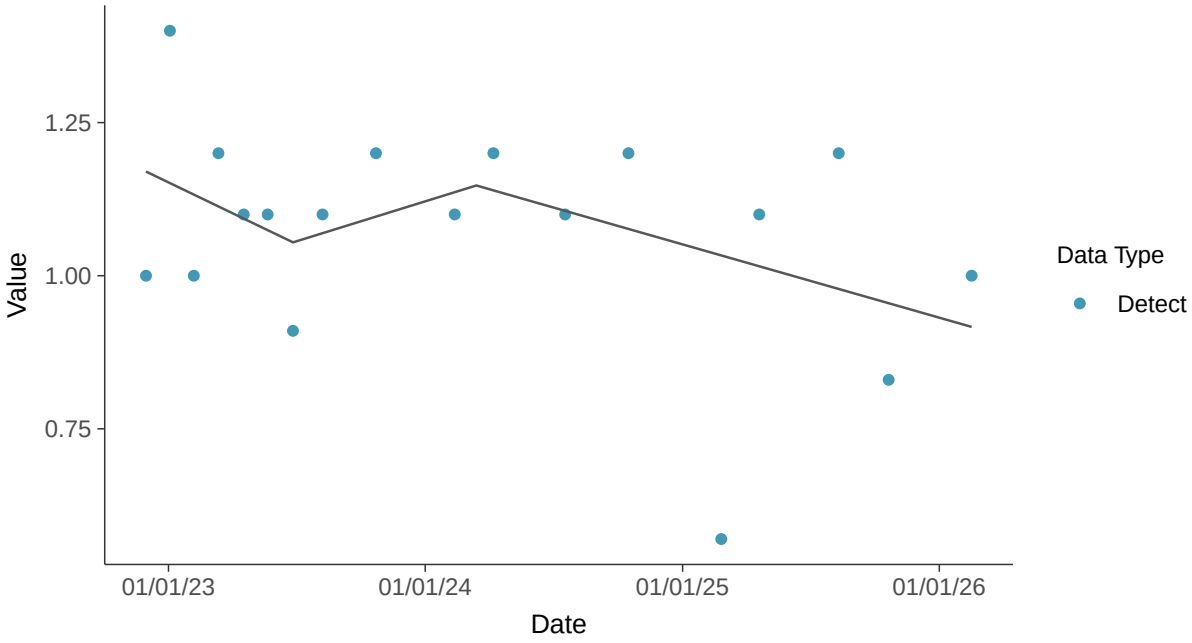
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride, MW-30 (mg/L)



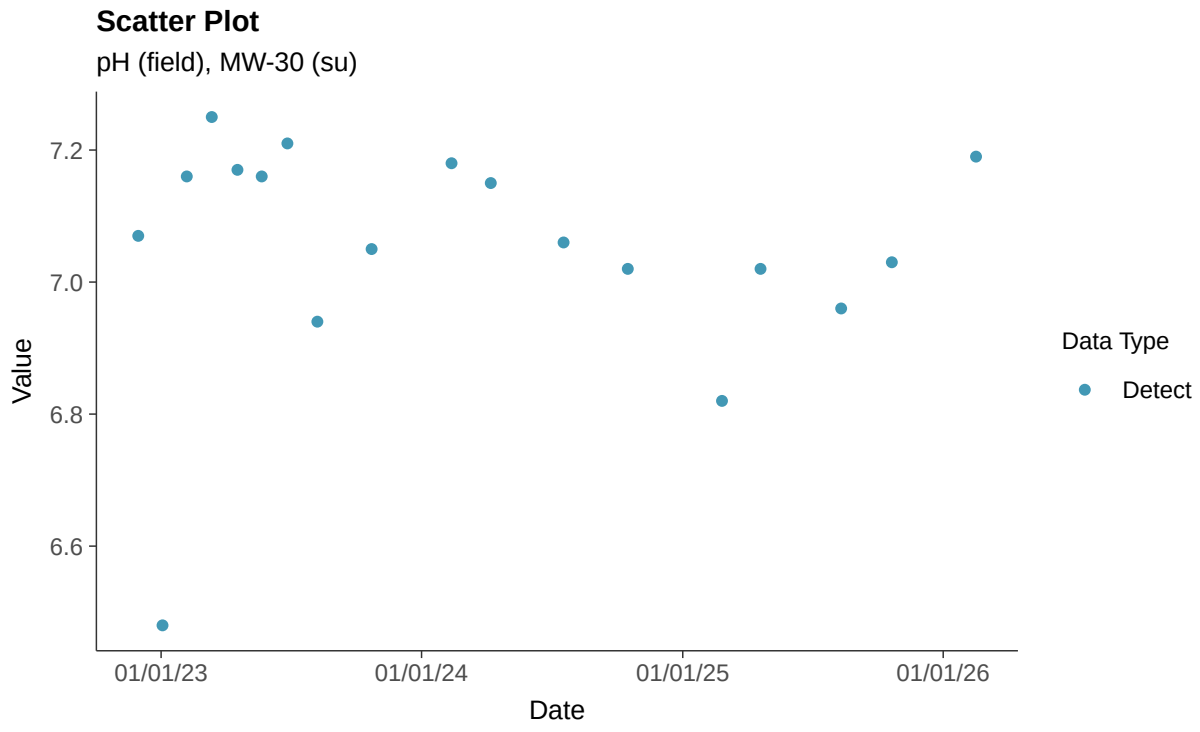
Trend Regression: Piecewise Linear-Linear-Linear

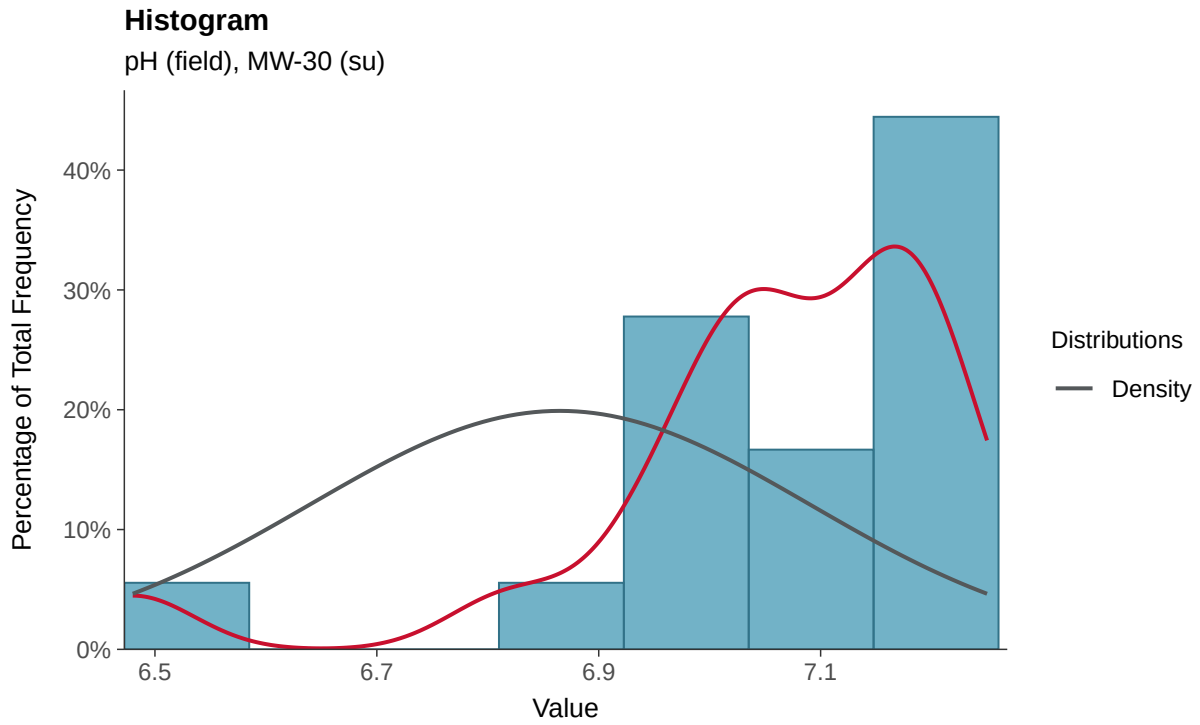
Fluoride, MW-30 (mg/L)



Appendix III: pH (field), MW-30

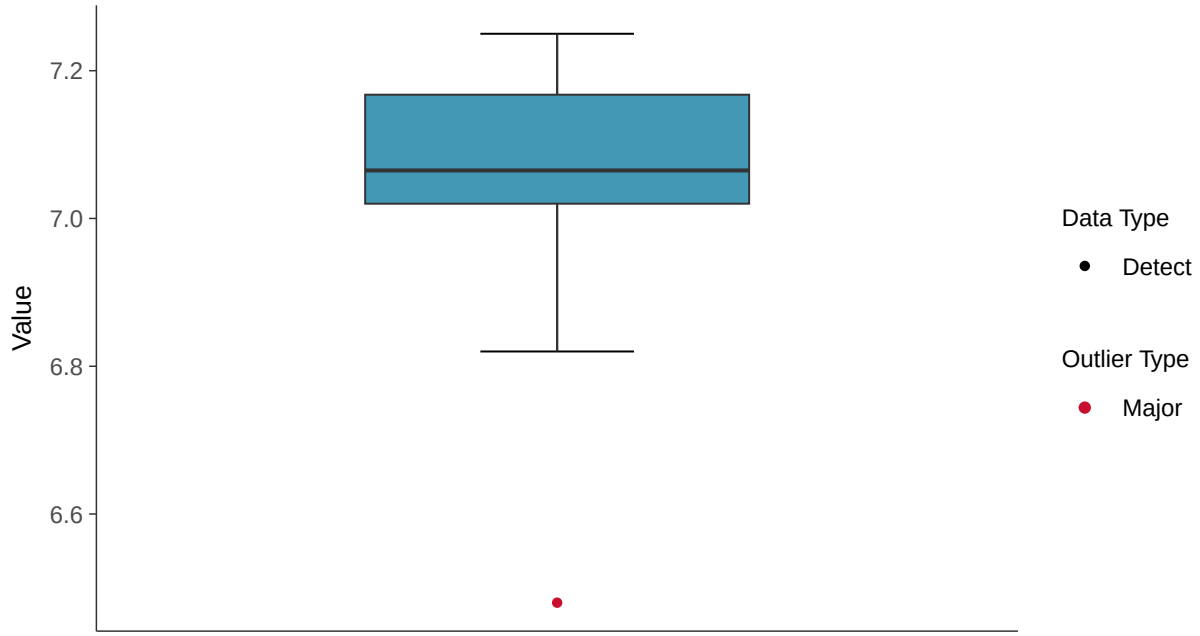
ID: 40_1_3_120





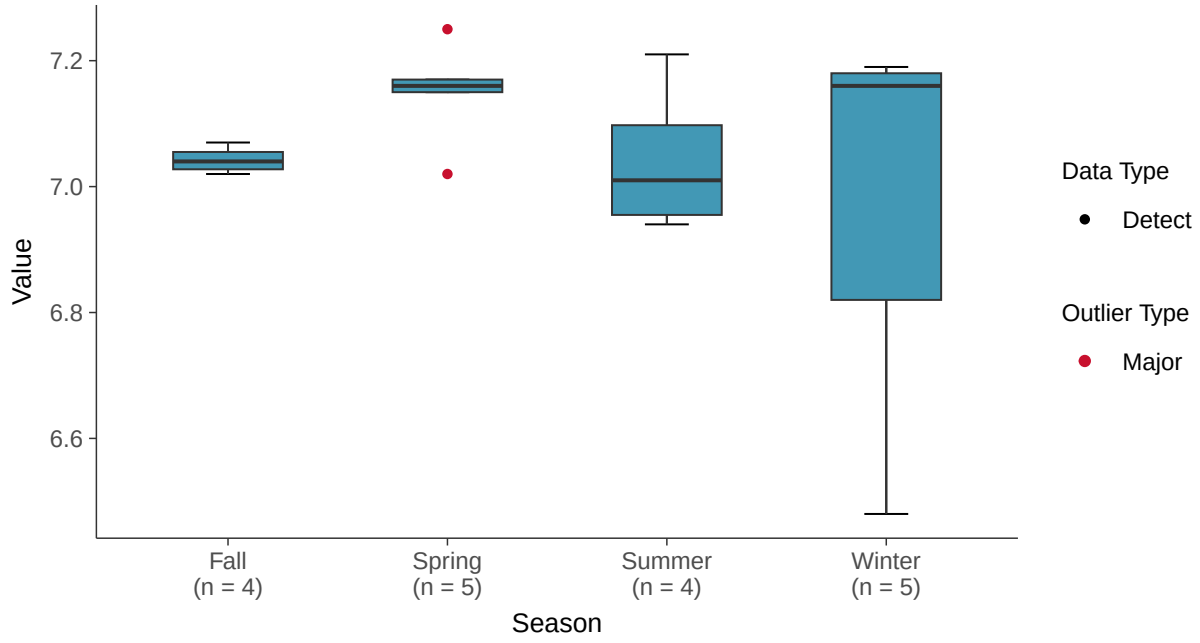
Boxplot

pH (field), MW-30 (su)



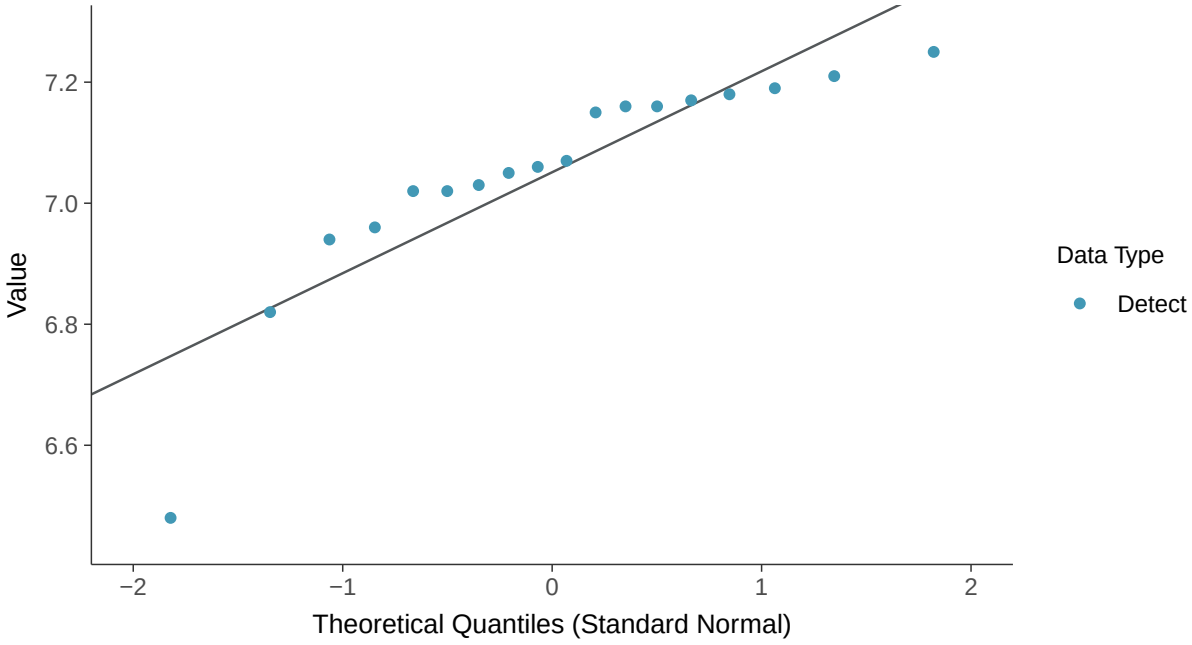
Boxplot by Season

pH (field), MW-30 (su)



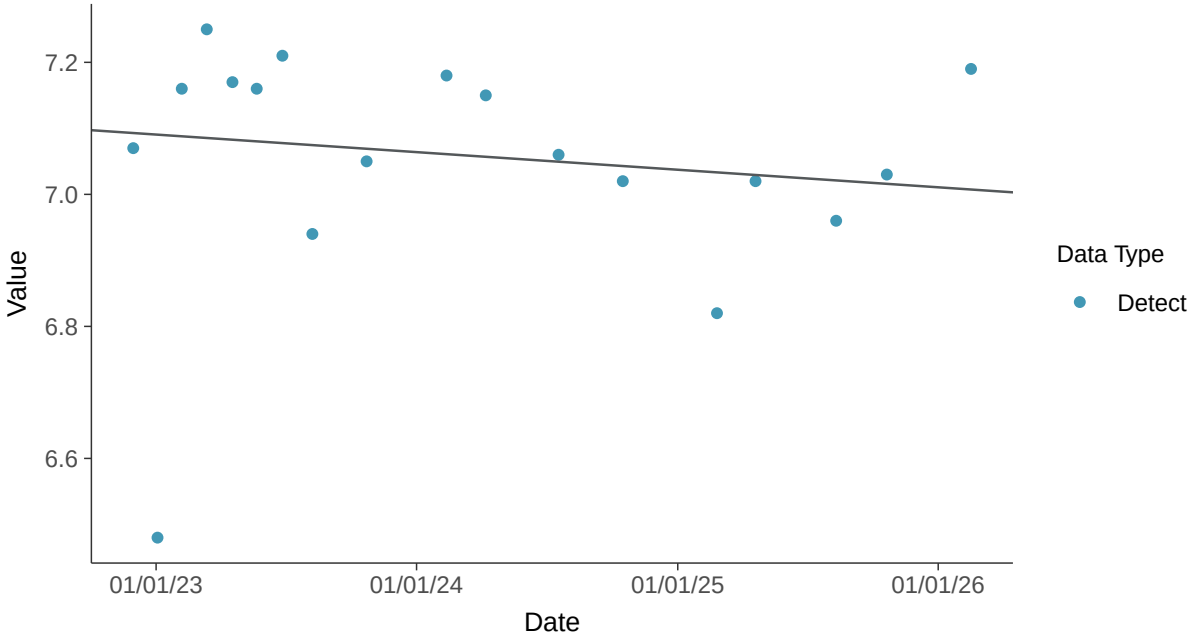
Normal Q-Q plot

pH (field), MW-30 (su)



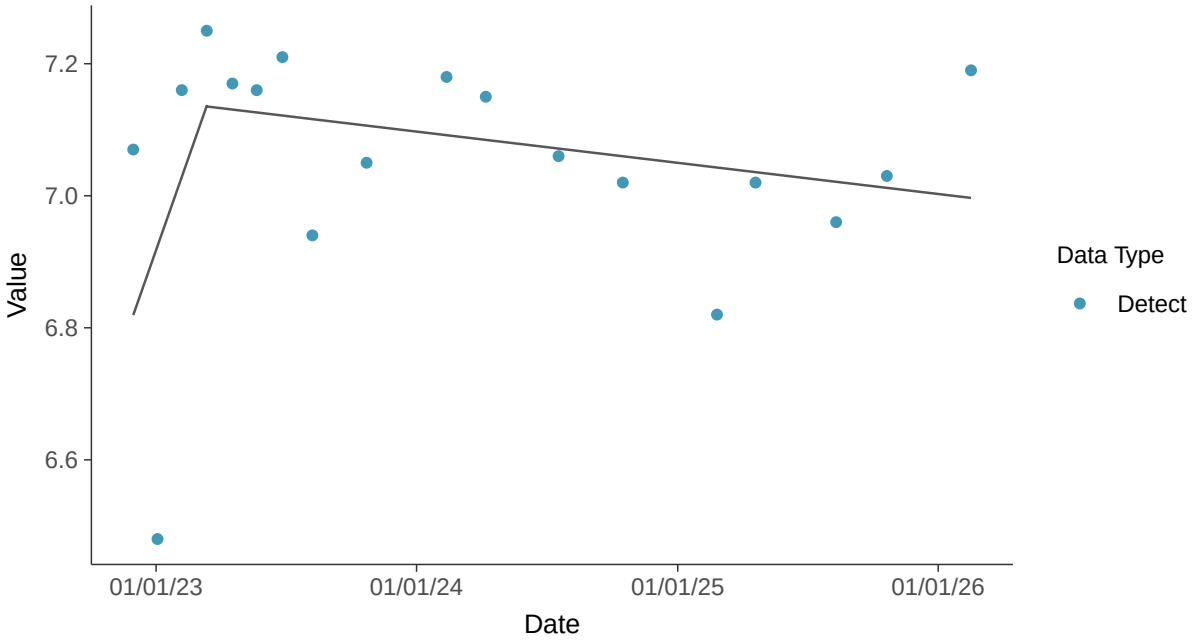
Trend Regression: Mann-Kendall/Theil-Sen Estimate

pH (field), MW-30 (su)



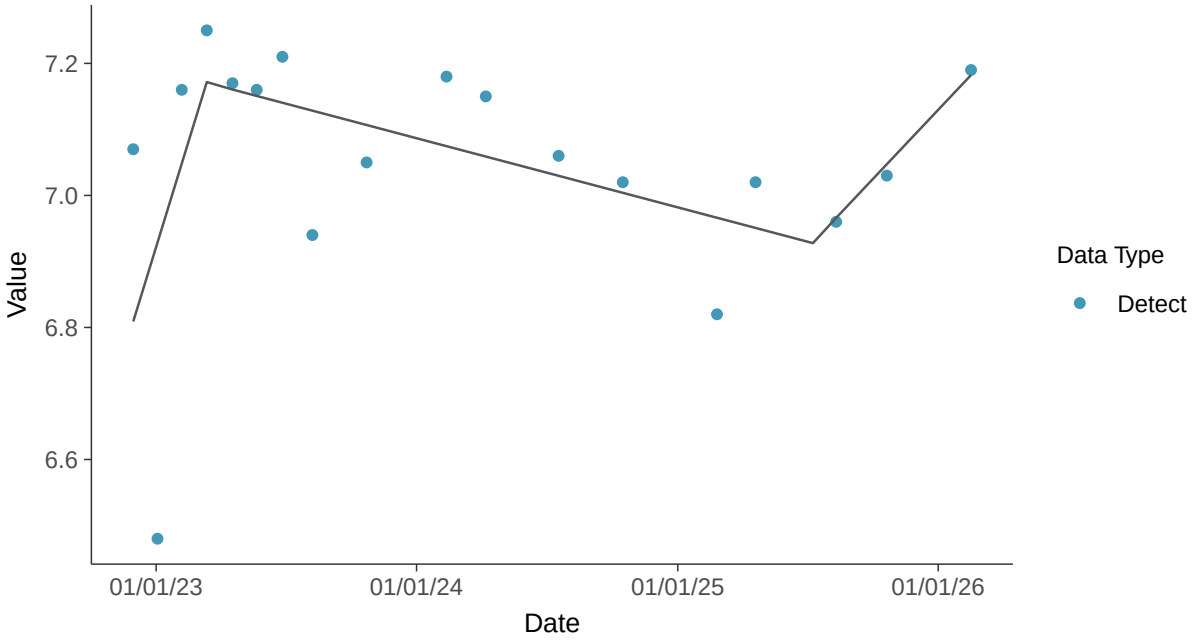
Trend Regression: Piecewise Linear-Linear

pH (field), MW-30 (su)



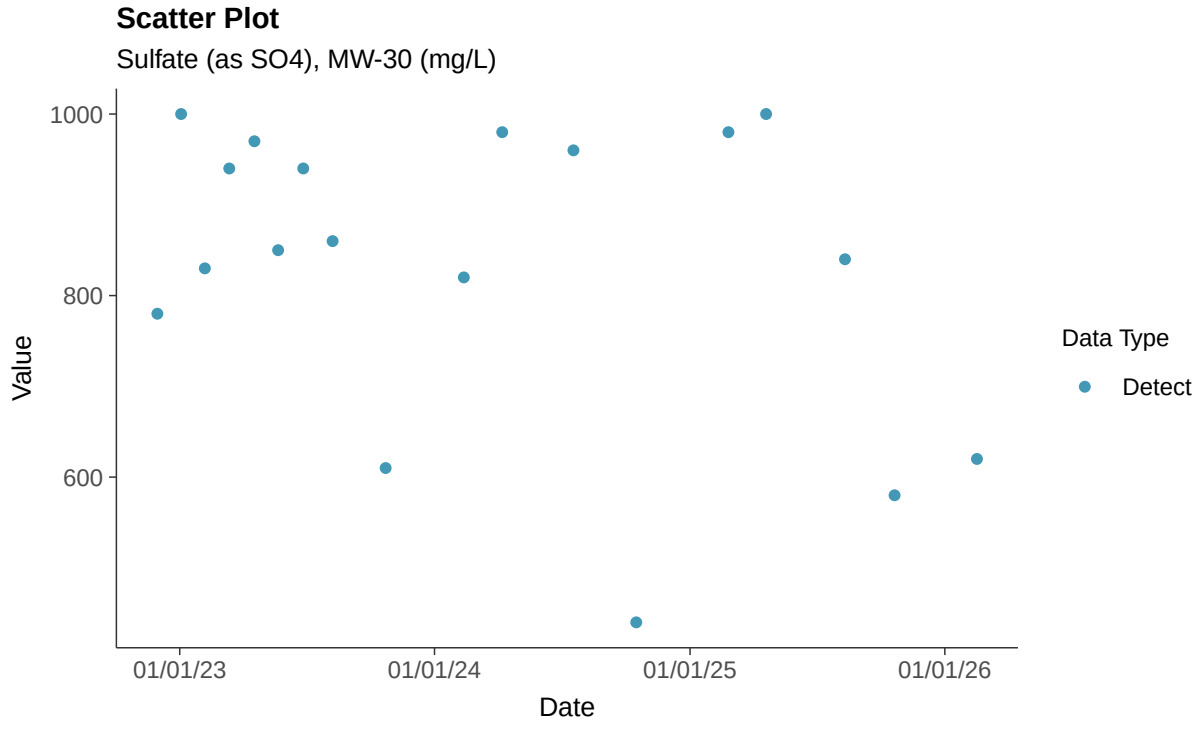
Trend Regression: Piecewise Linear-Linear-Linear

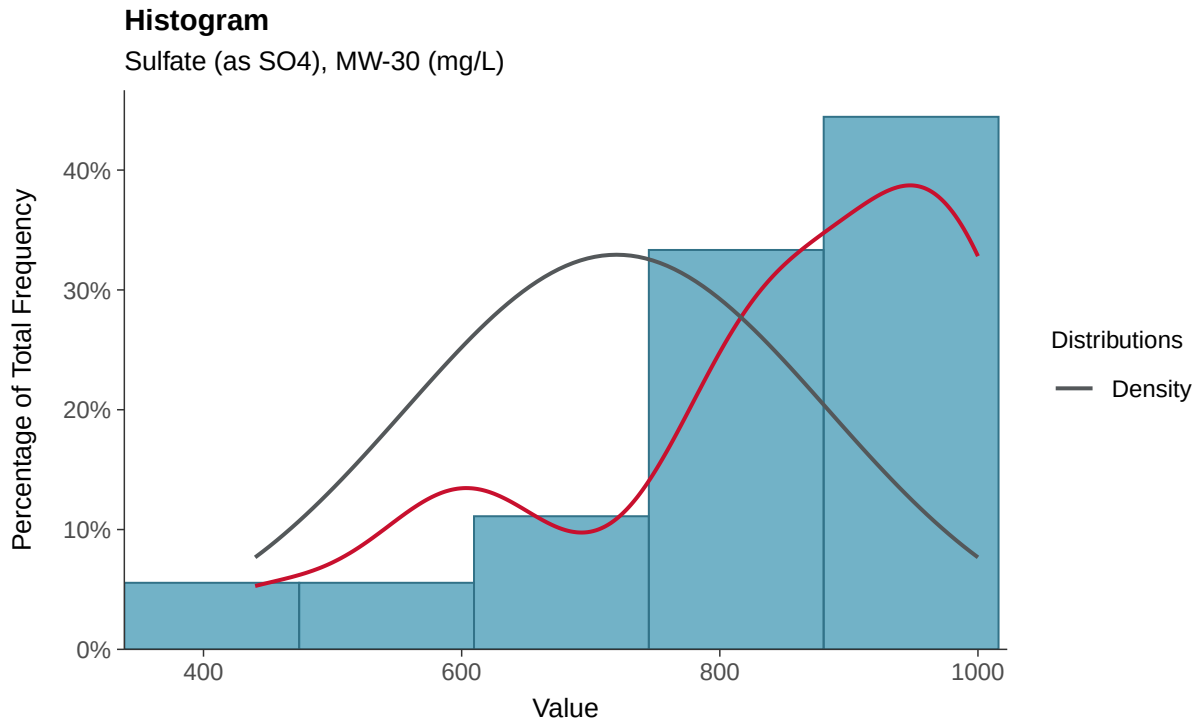
pH (field), MW-30 (su)



Appendix III: Sulfate (as SO4), MW-30

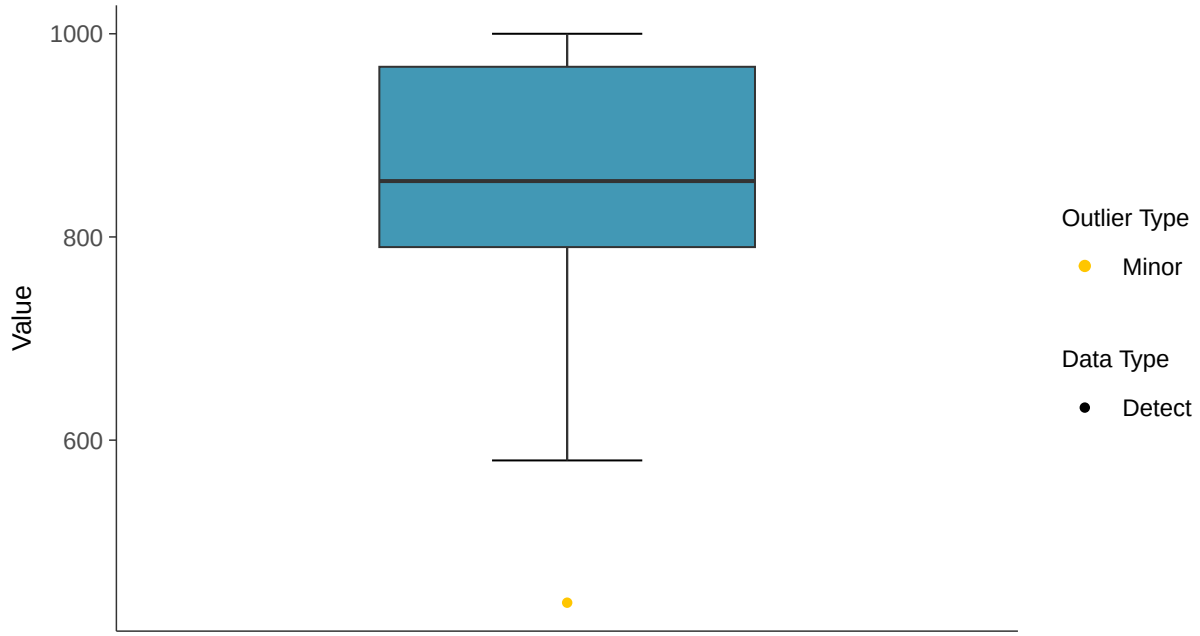
ID: 40_1_3_124





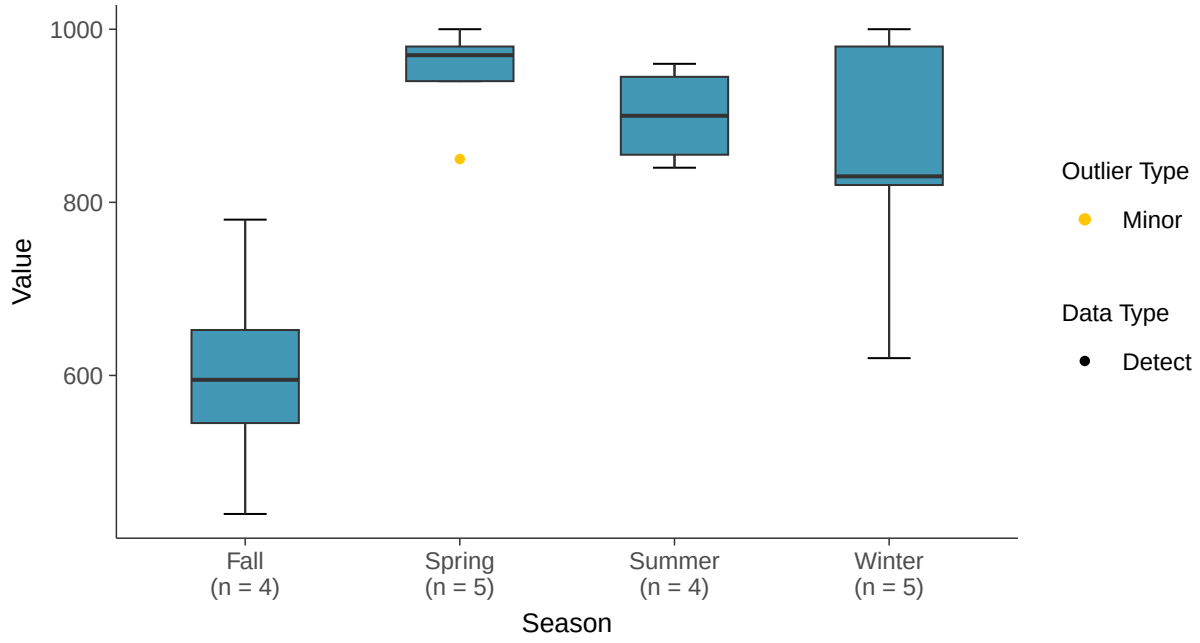
Boxplot

Sulfate (as SO4), MW-30 (mg/L)



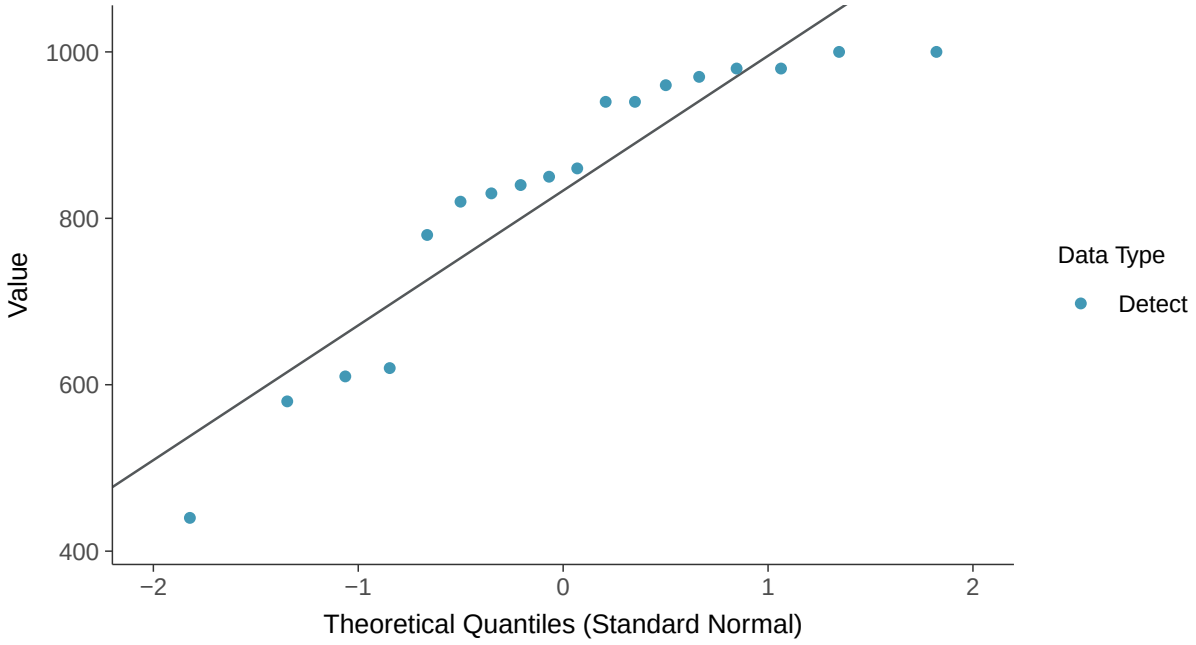
Boxplot by Season

Sulfate (as SO4), MW-30 (mg/L)



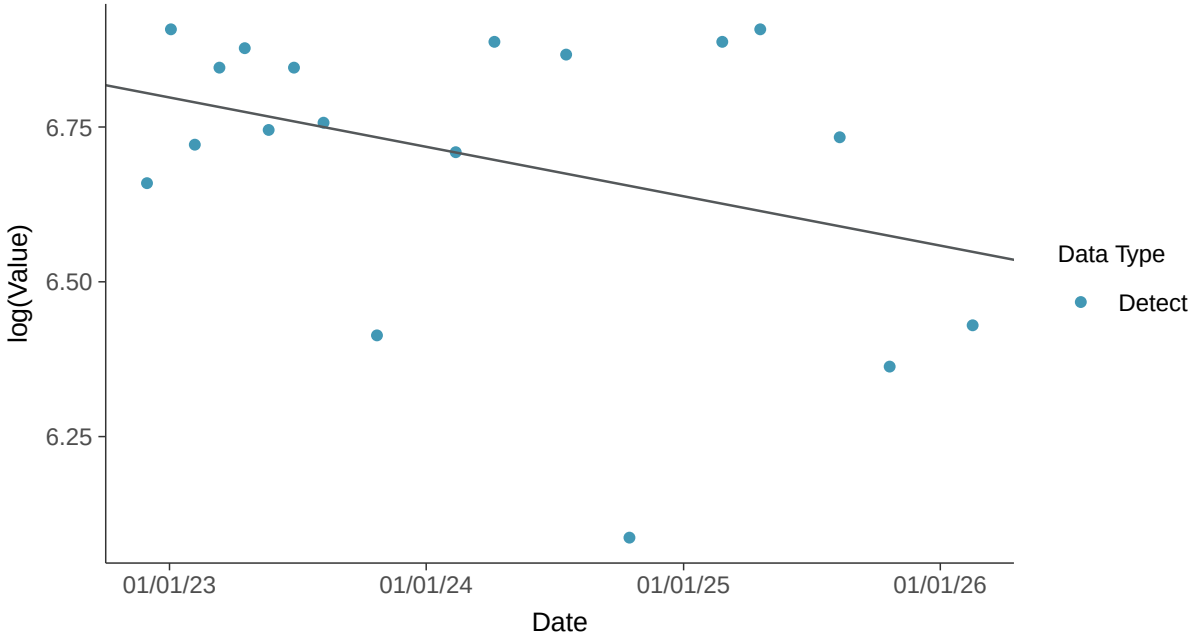
Normal Q-Q plot

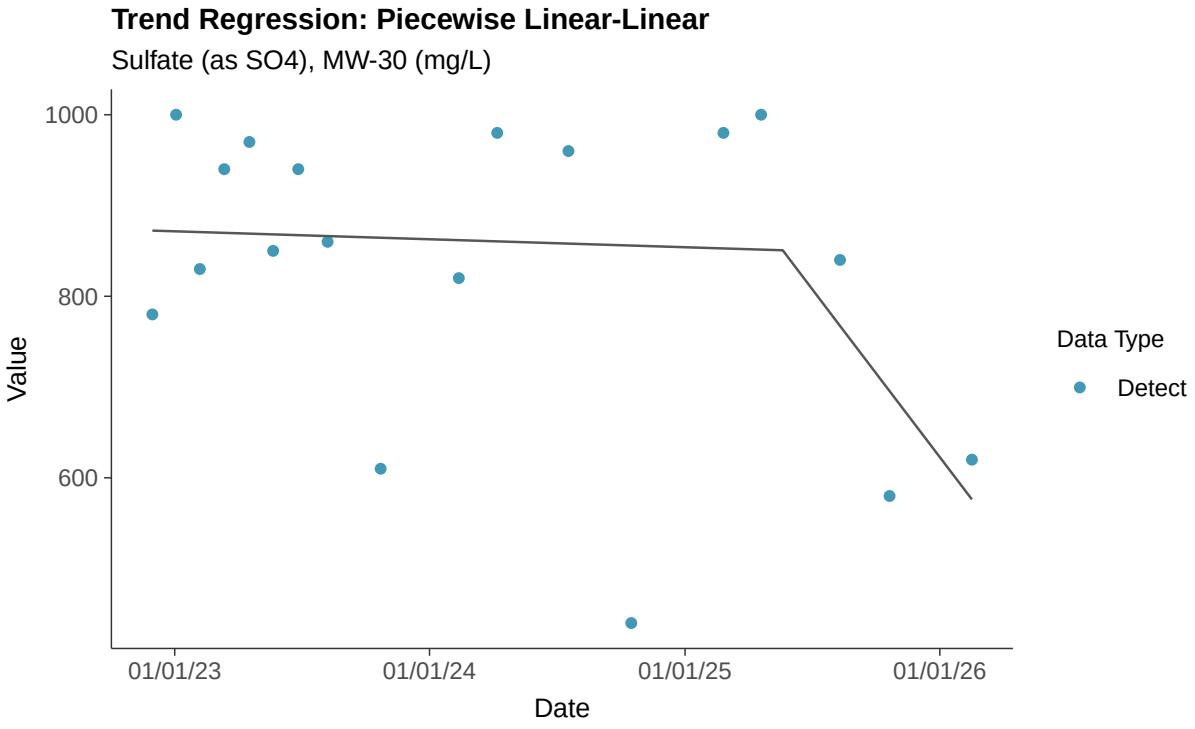
Sulfate (as SO4), MW-30 (mg/L)



Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-30 (mg/L)



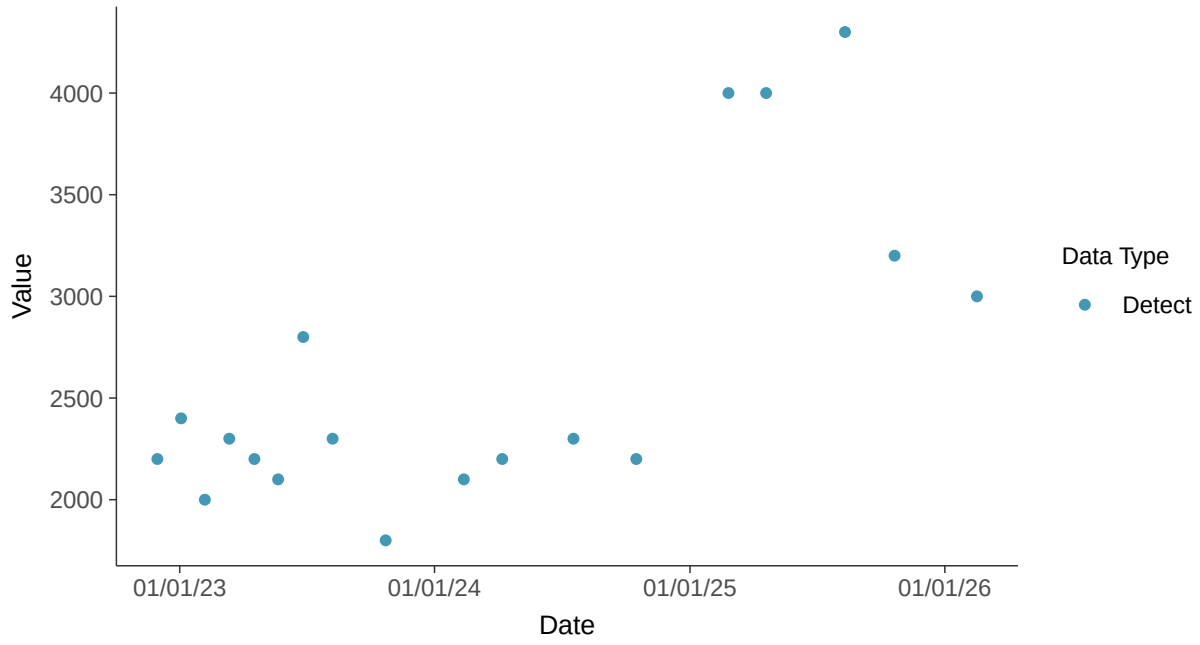

Trend Regression: Piecewise Linear-Linear
Sulfate (as SO4), MW-30 (mg/L)
1000
800
600
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Total Dissolved Solids, MW-30

ID: 40_1_3_126

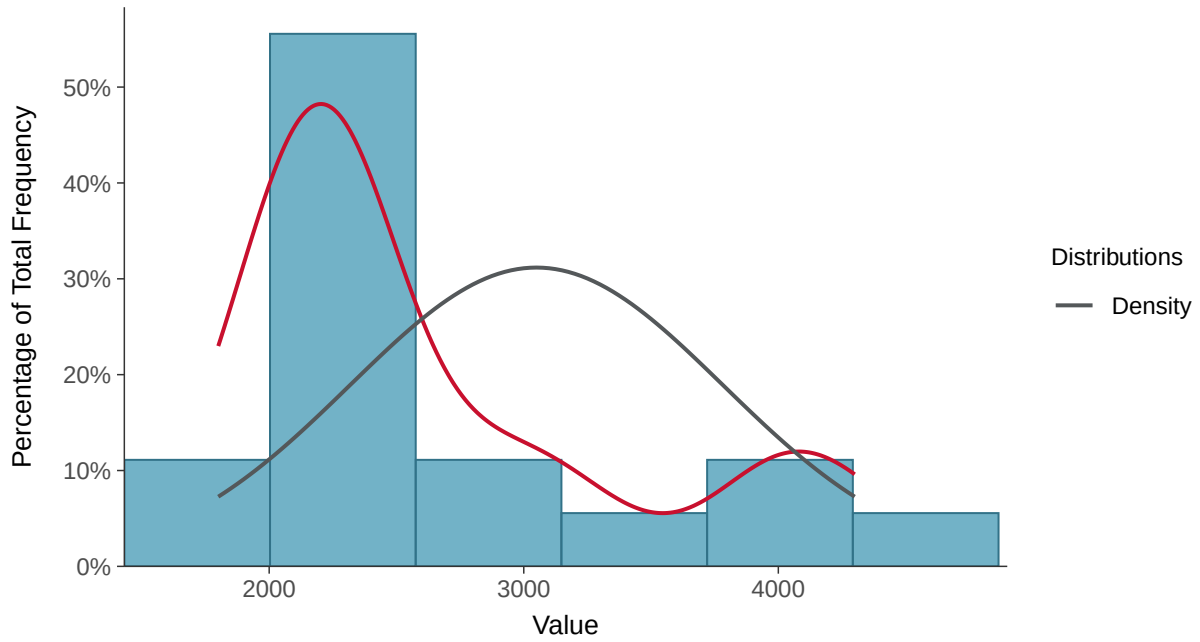
Scatter Plot

Total Dissolved Solids, MW-30 (mg/L)



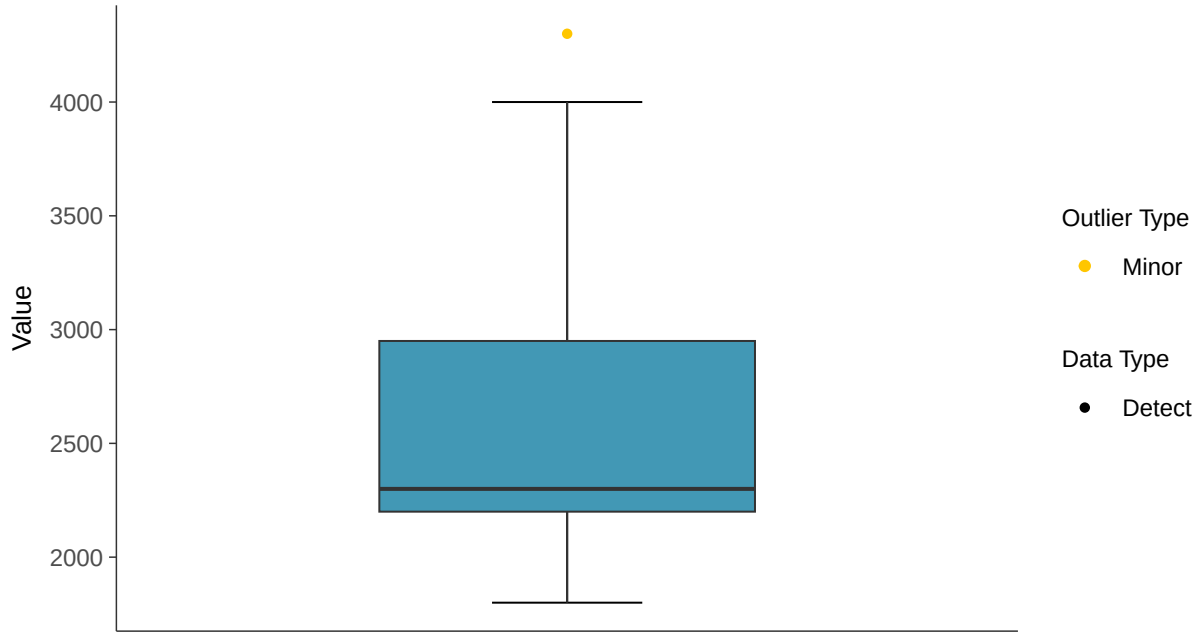
Histogram

Total Dissolved Solids, MW-30 (mg/L)



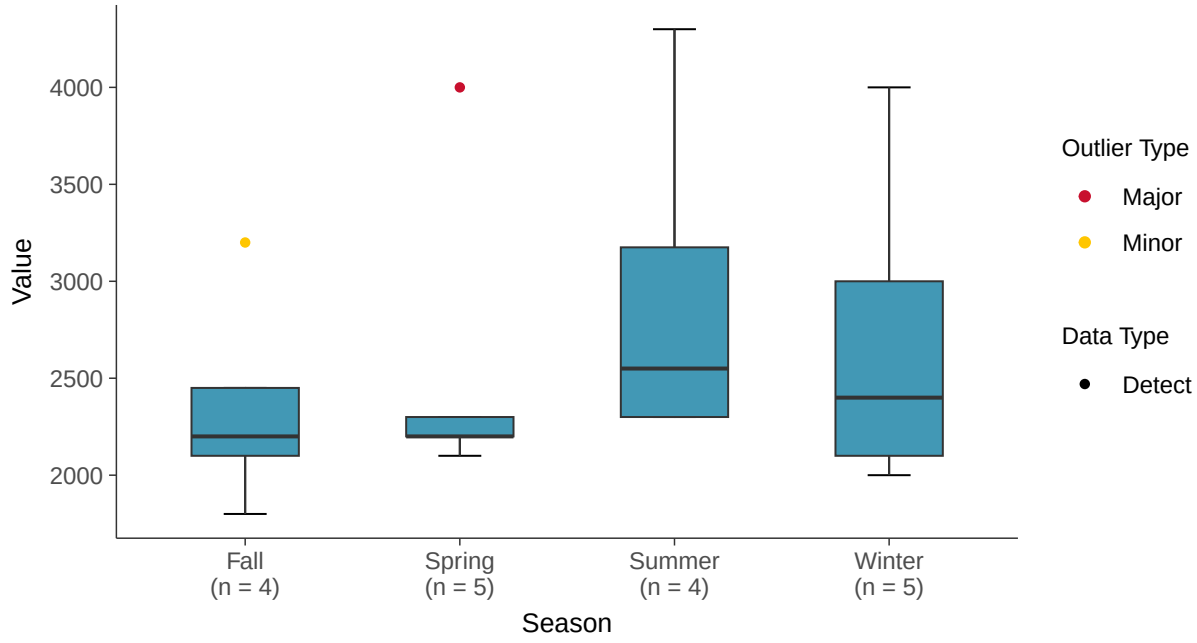
Boxplot

Total Dissolved Solids, MW-30 (mg/L)



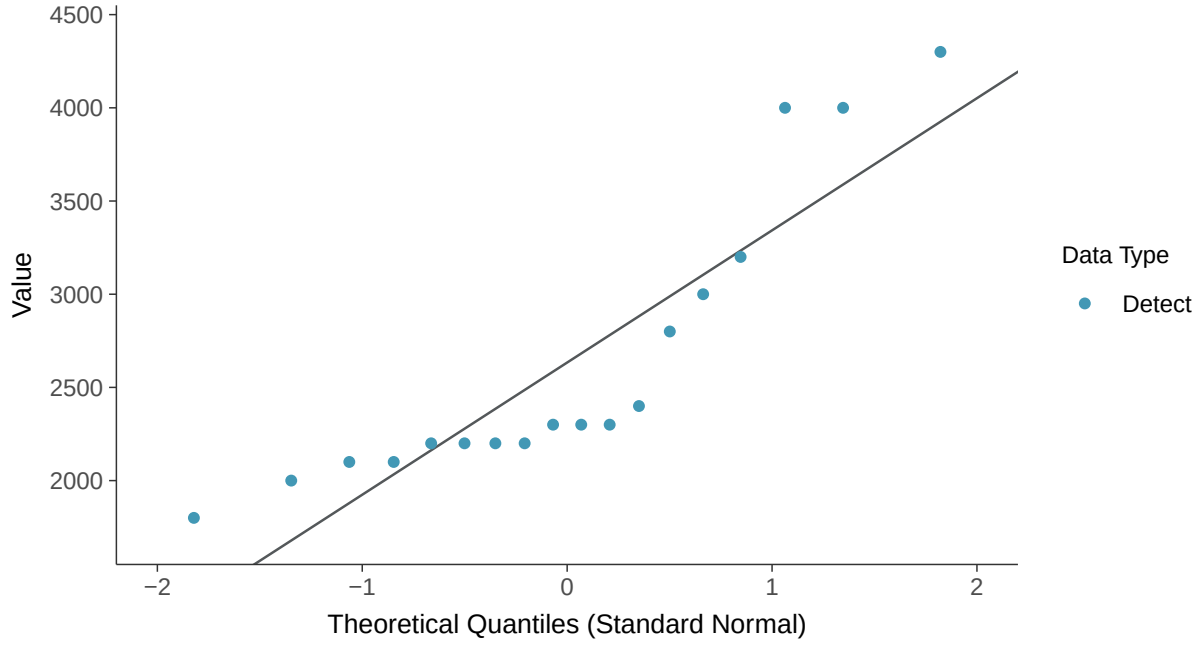
Boxplot by Season

Total Dissolved Solids, MW-30 (mg/L)



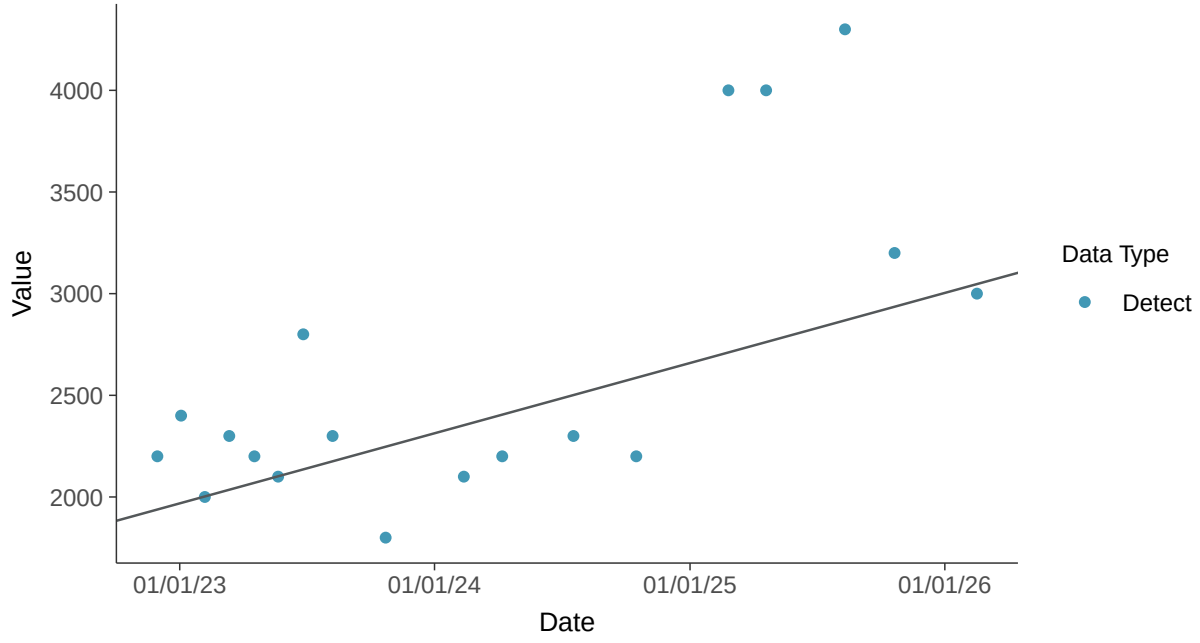
Normal Q-Q plot

Total Dissolved Solids, MW-30 (mg/L)



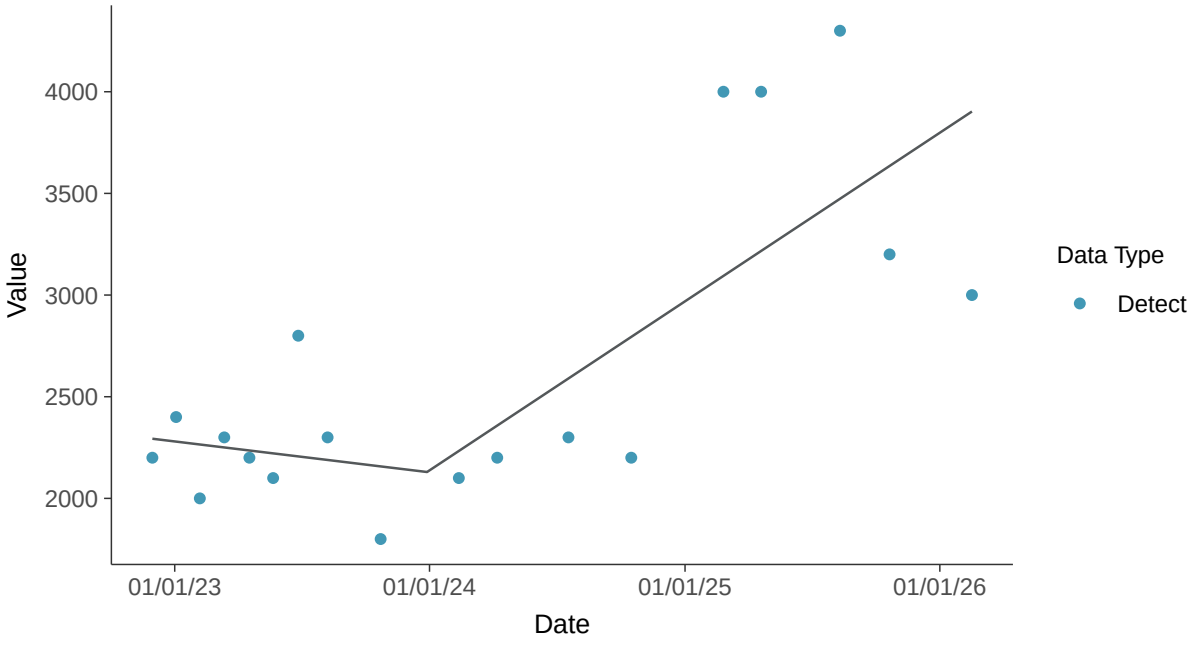
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Total Dissolved Solids, MW-30 (mg/L)



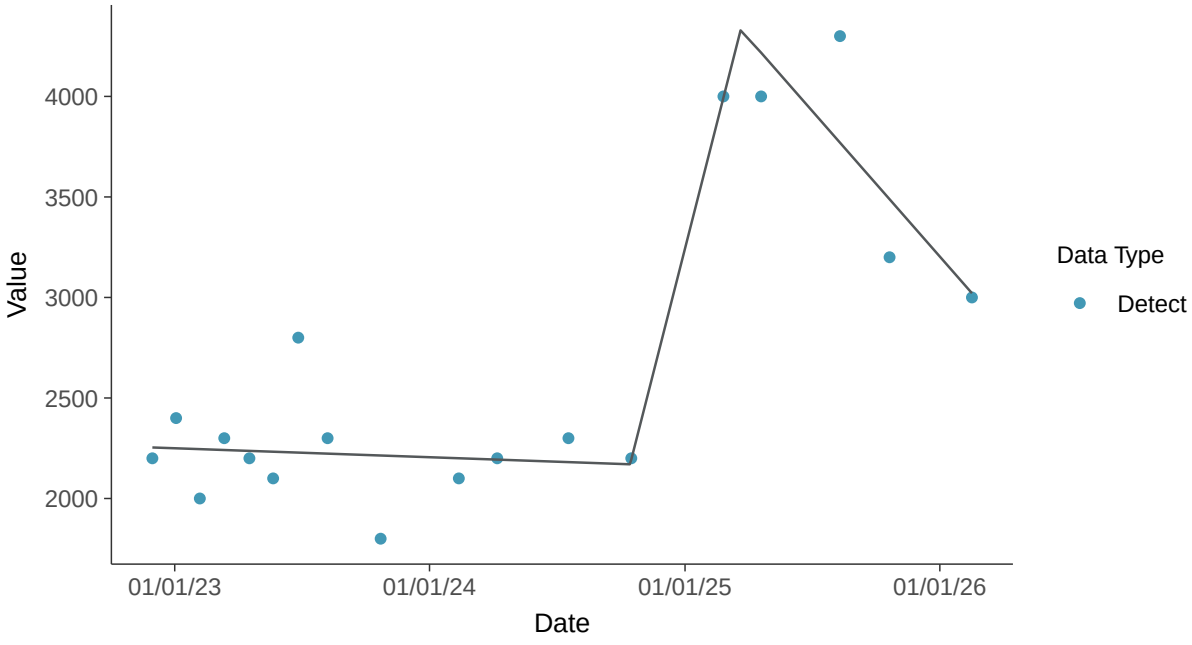
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-30 (mg/L)



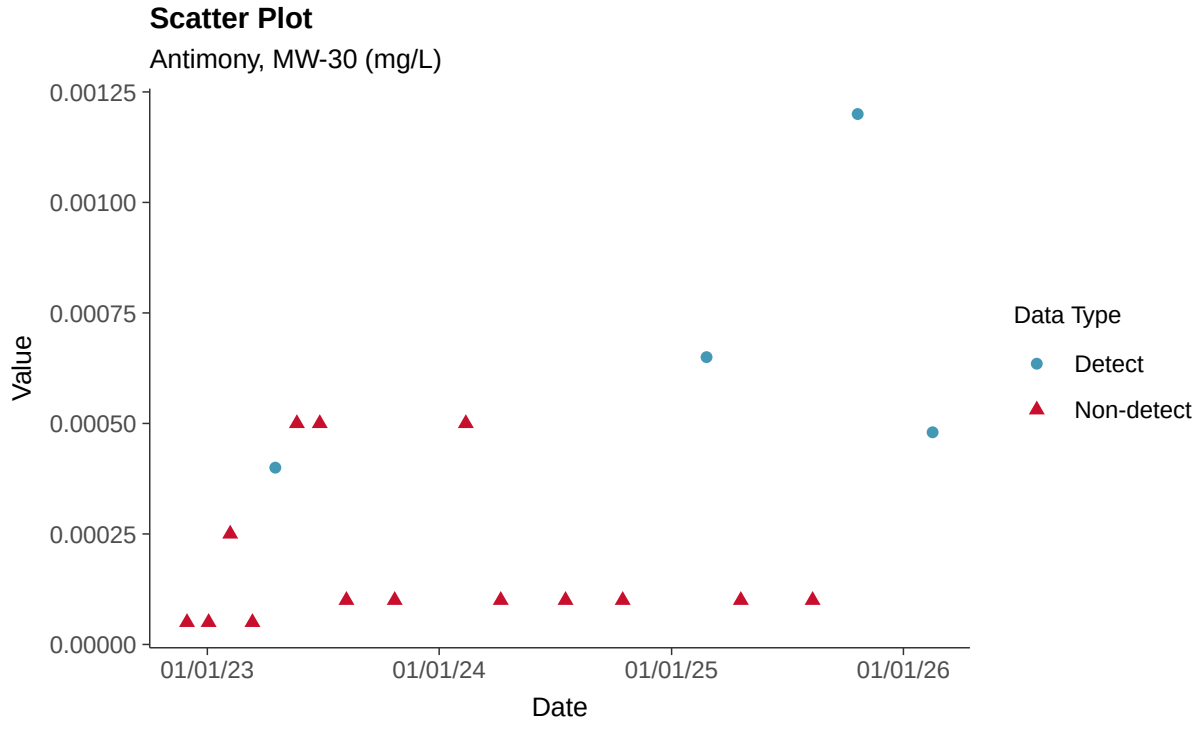
Trend Regression: Piecewise Linear-Linear-Linear

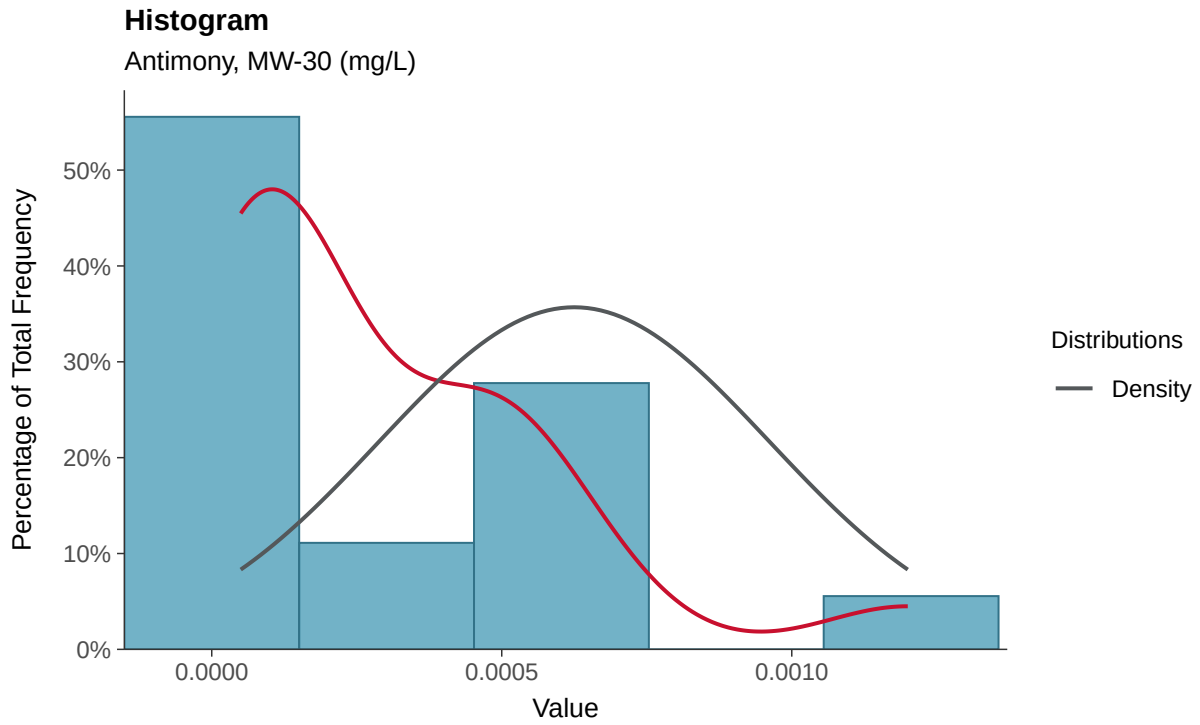
Total Dissolved Solids, MW-30 (mg/L)



Appendix IV: Antimony, MW-30

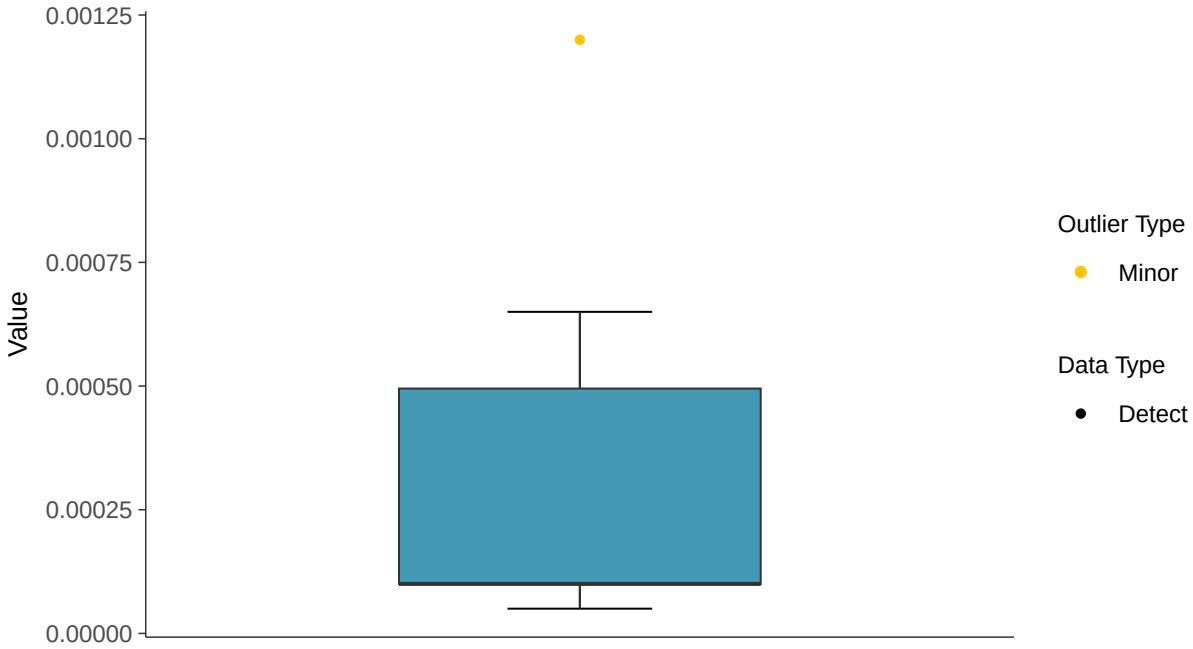
ID: 40_1_4_101





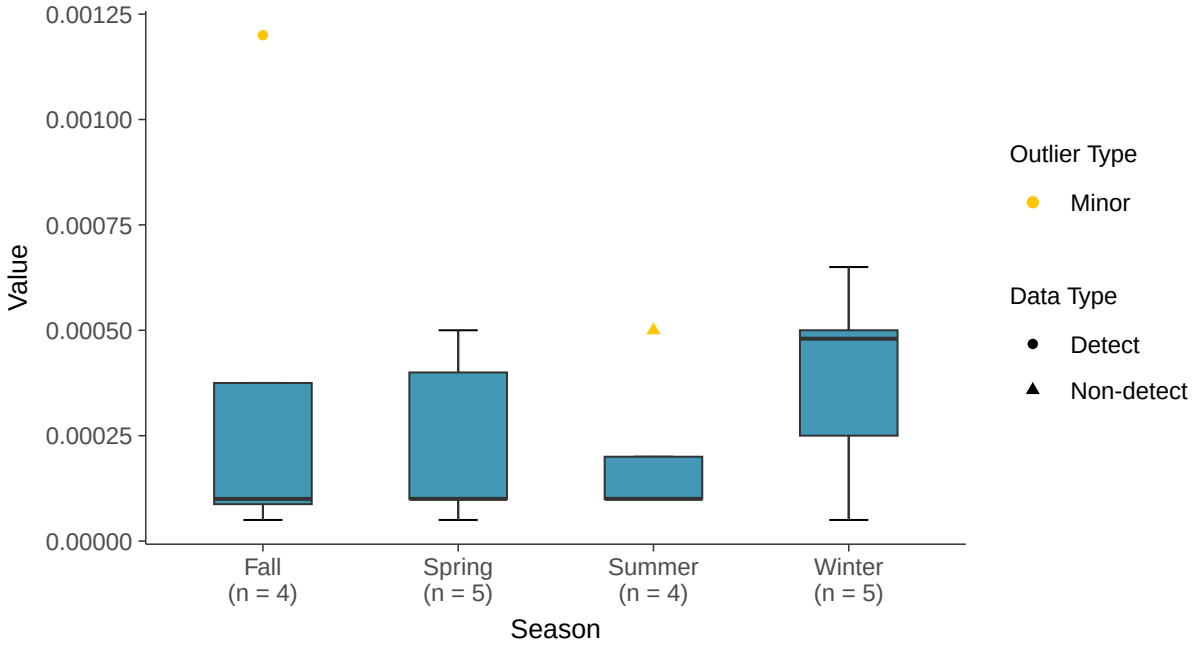
Boxplot

Antimony, MW-30 (mg/L)



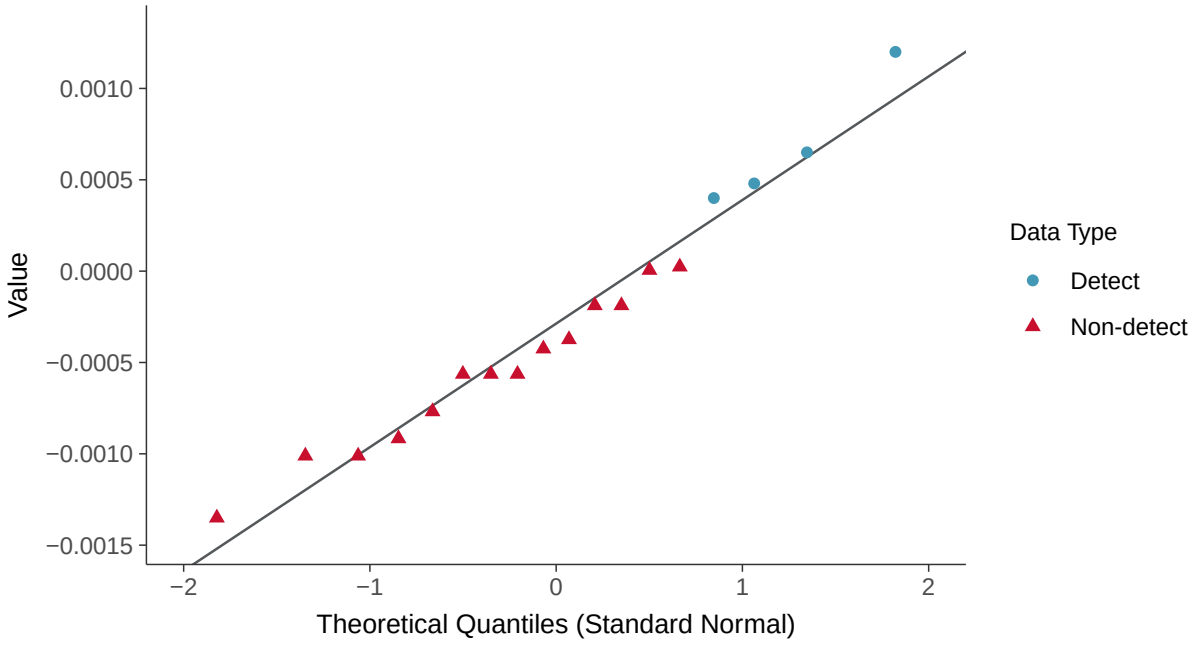
Boxplot by Season

Antimony, MW-30 (mg/L)



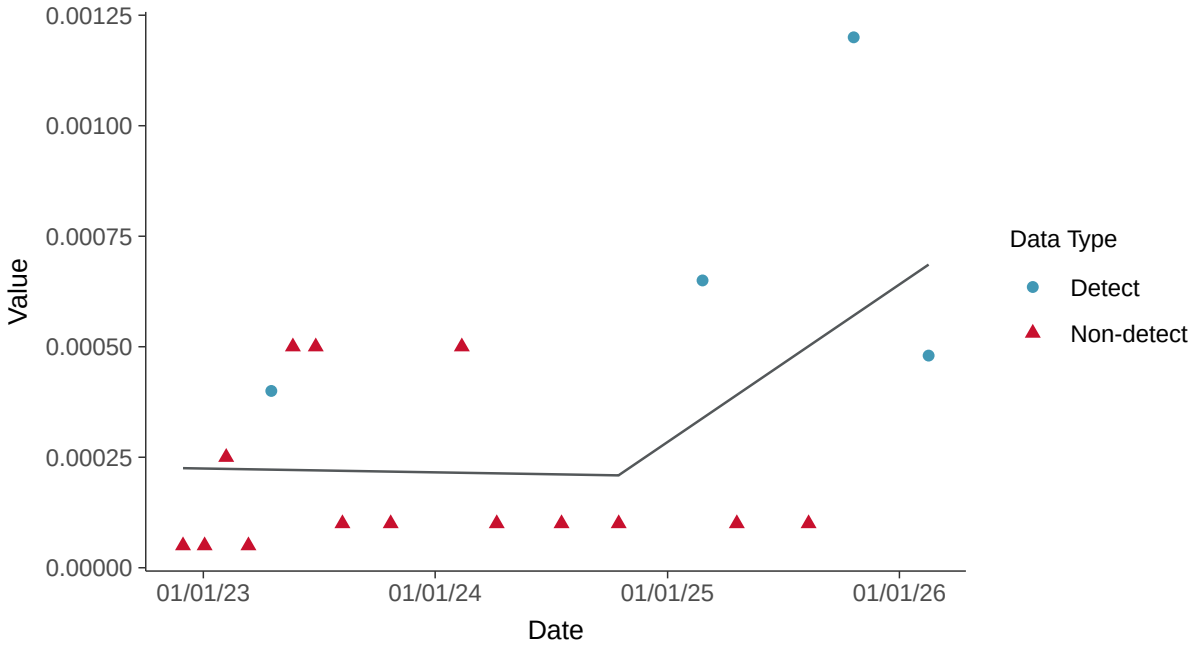
Normal Q-Q plot using ROS Imputed Estimates

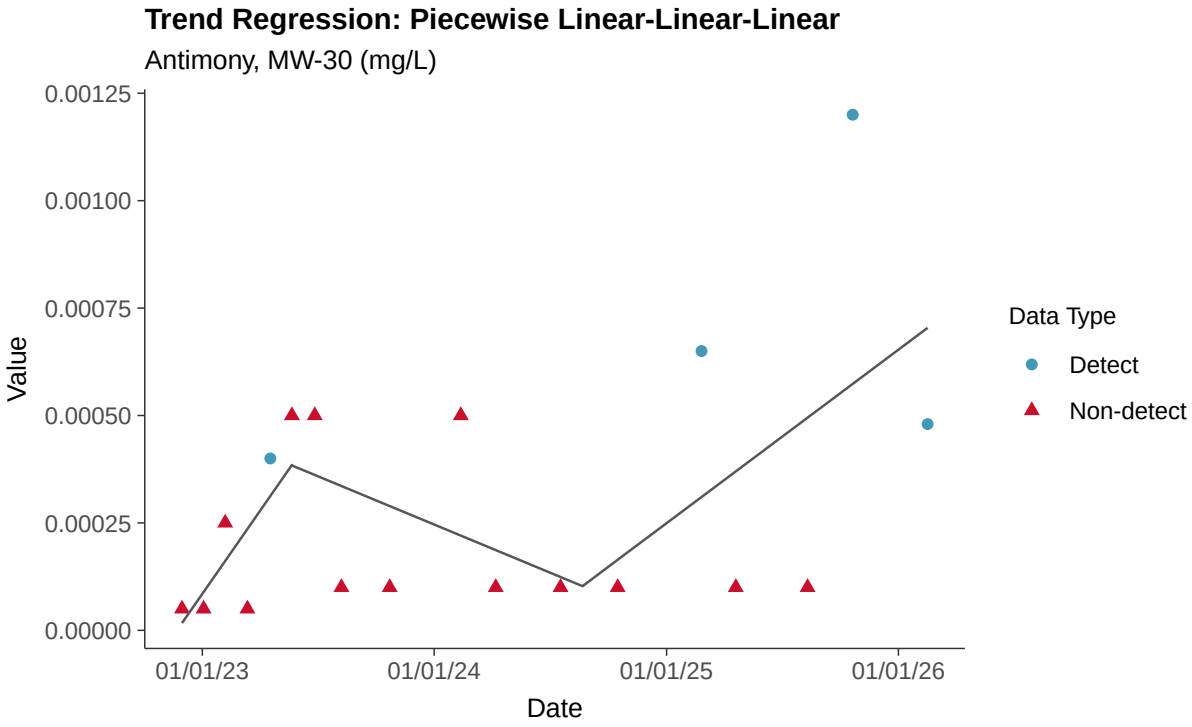
Antimony, MW-30 (mg/L)



Trend Regression: Piecewise Linear-Linear

Antimony, MW-30 (mg/L)



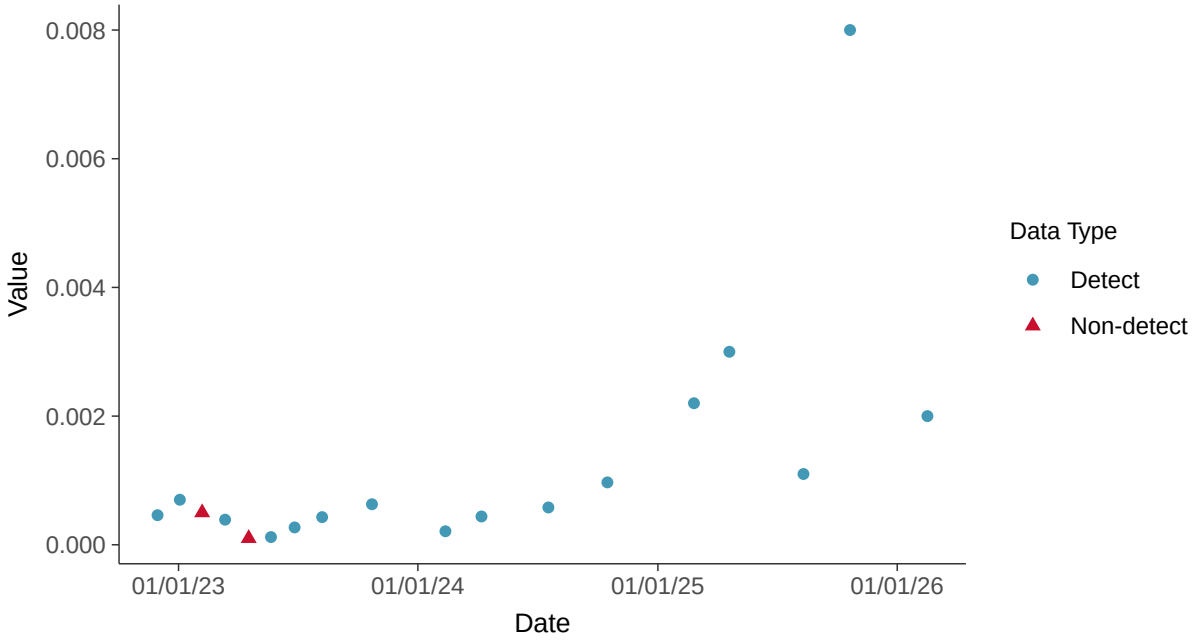

Trend Regression: Piecewise Linear-Linear-Linear
Antimony, MW-30 (mg/L)
0.00125
0.00100
0.00075
0.00050
0.00025
0.00000
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Arsenic, MW-30

ID: 40_1_4_102

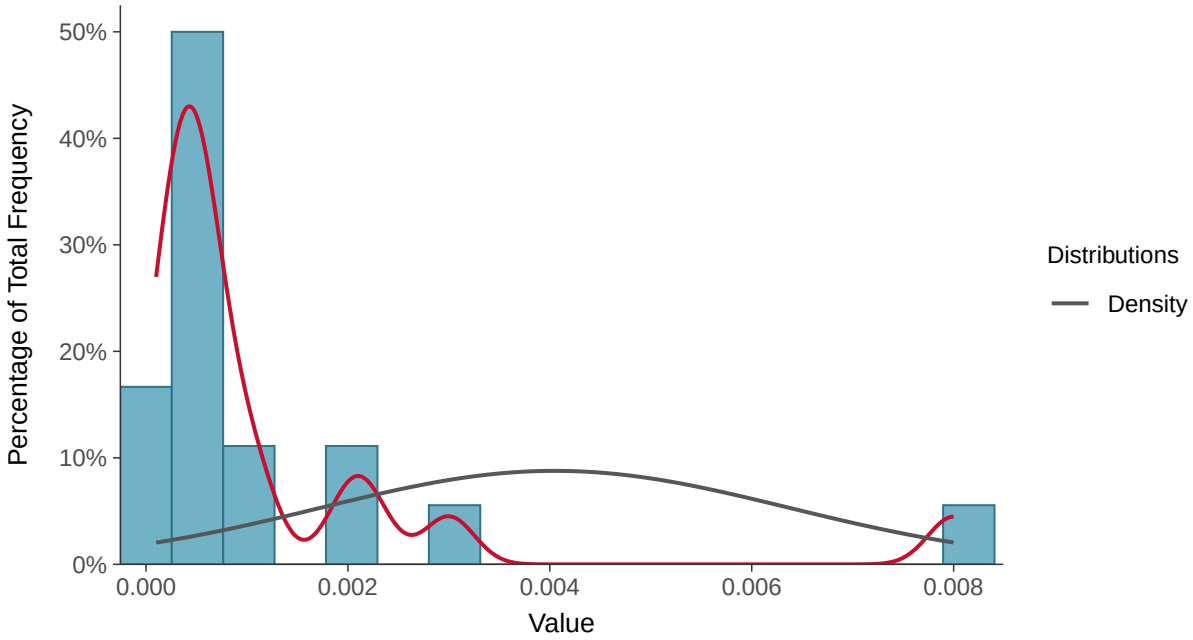
Scatter Plot

Arsenic, MW-30 (mg/L)



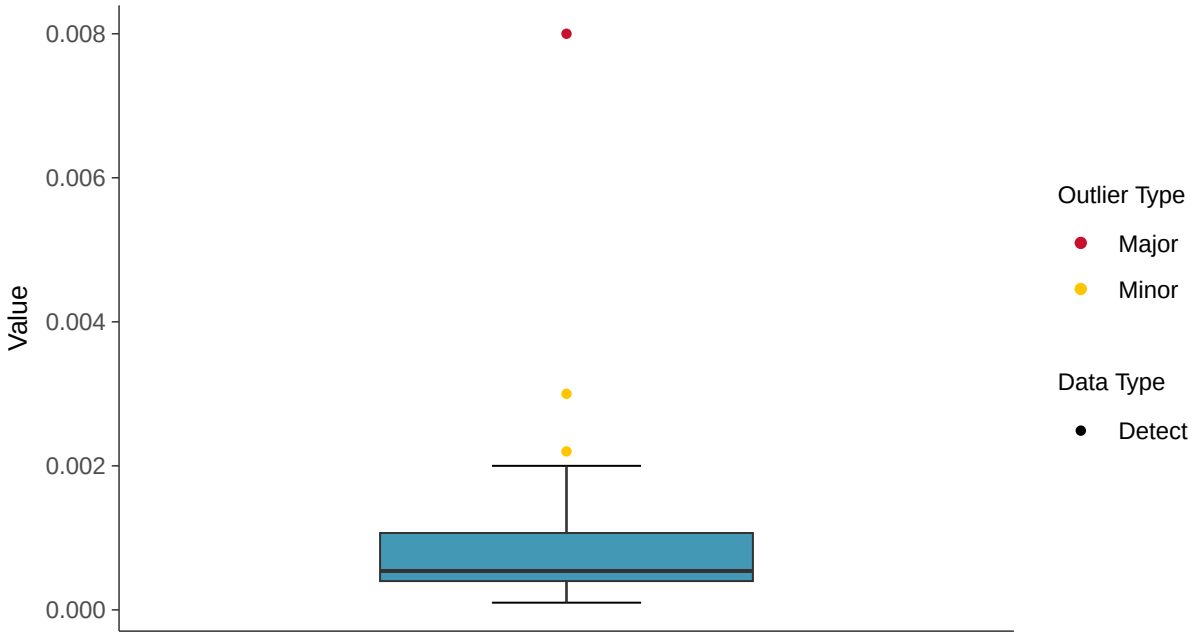
Histogram

Arsenic, MW-30 (mg/L)



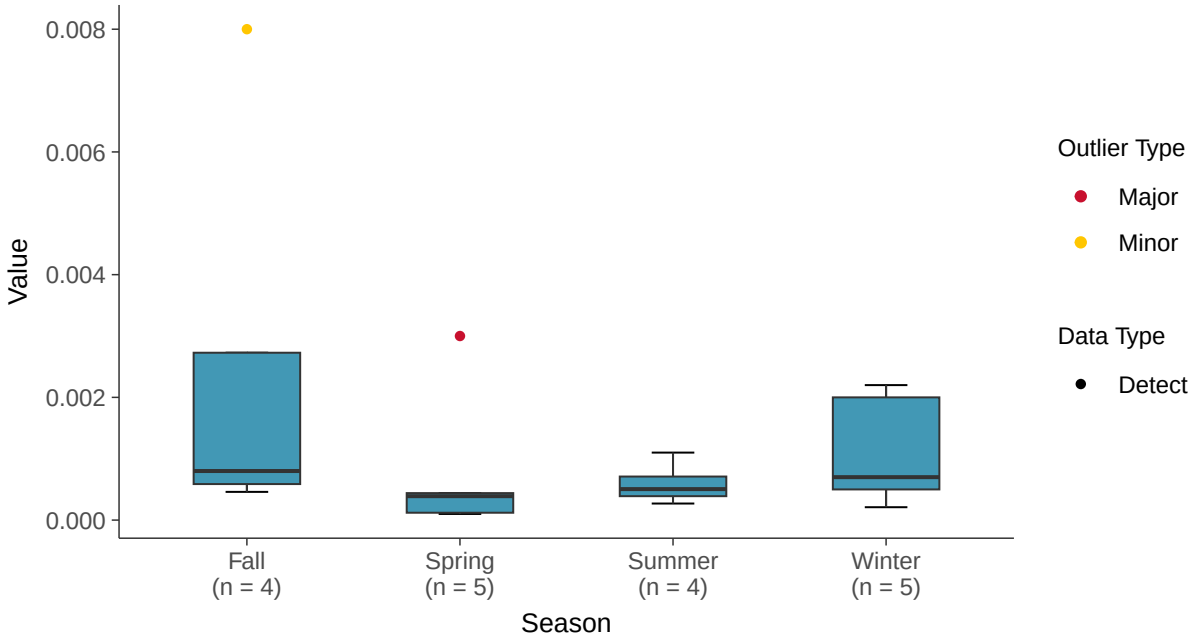
Boxplot

Arsenic, MW-30 (mg/L)



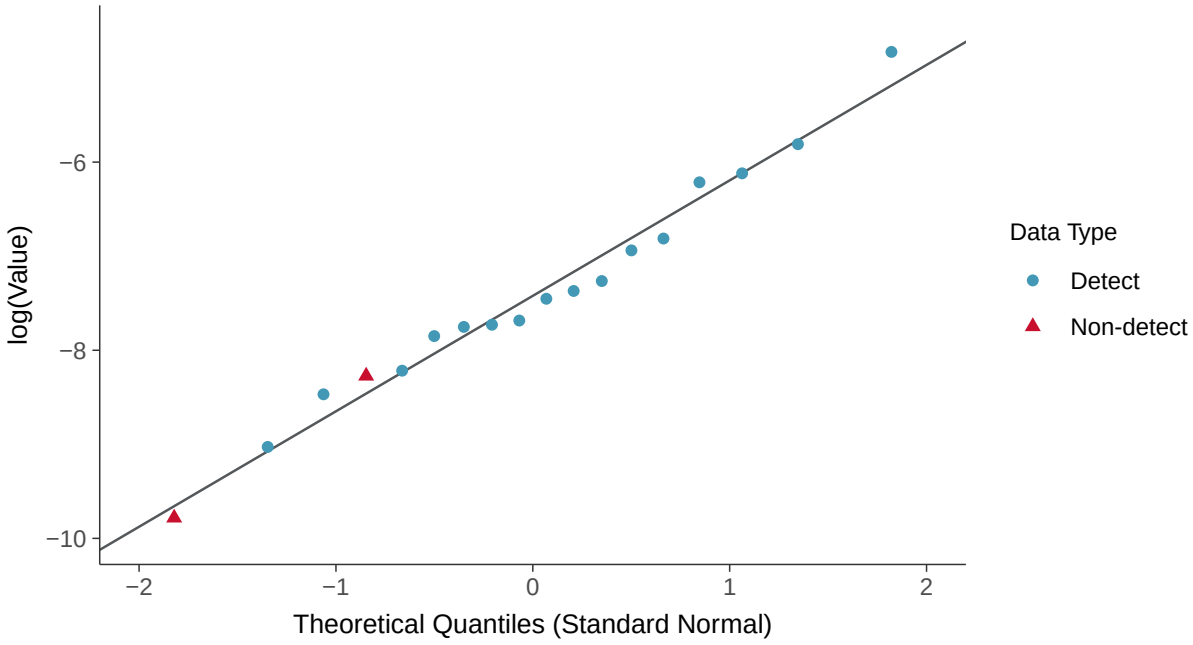
Boxplot by Season

Arsenic, MW-30 (mg/L)



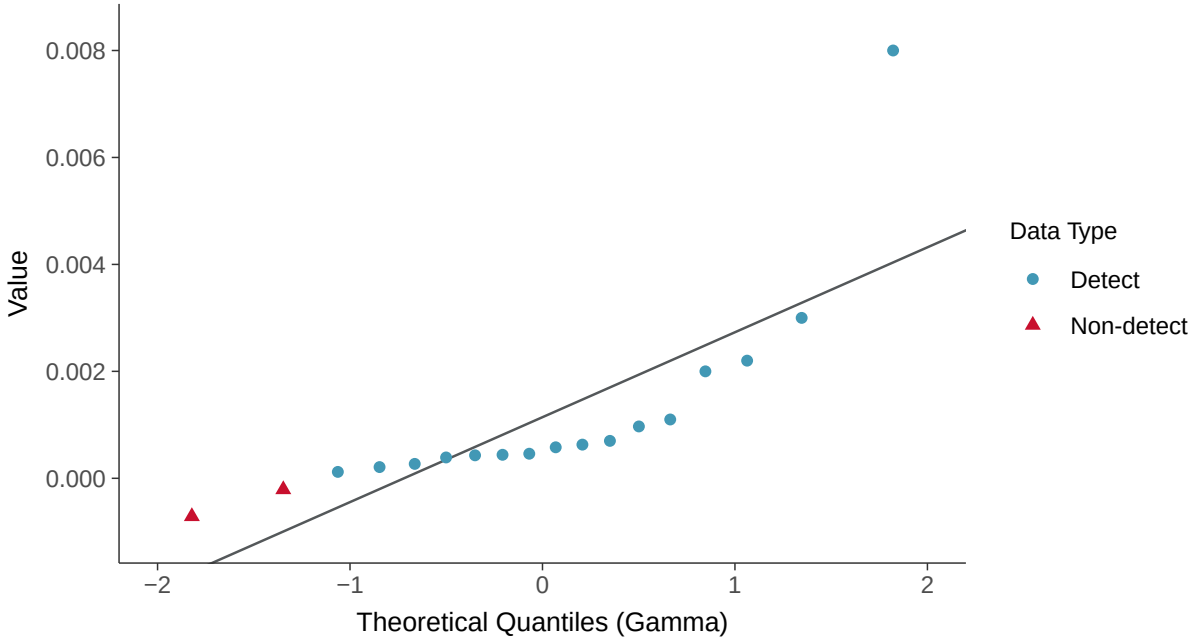
Lognormal Q-Q plot using ROS Imputed Estimates

Arsenic, MW-30 (mg/L)



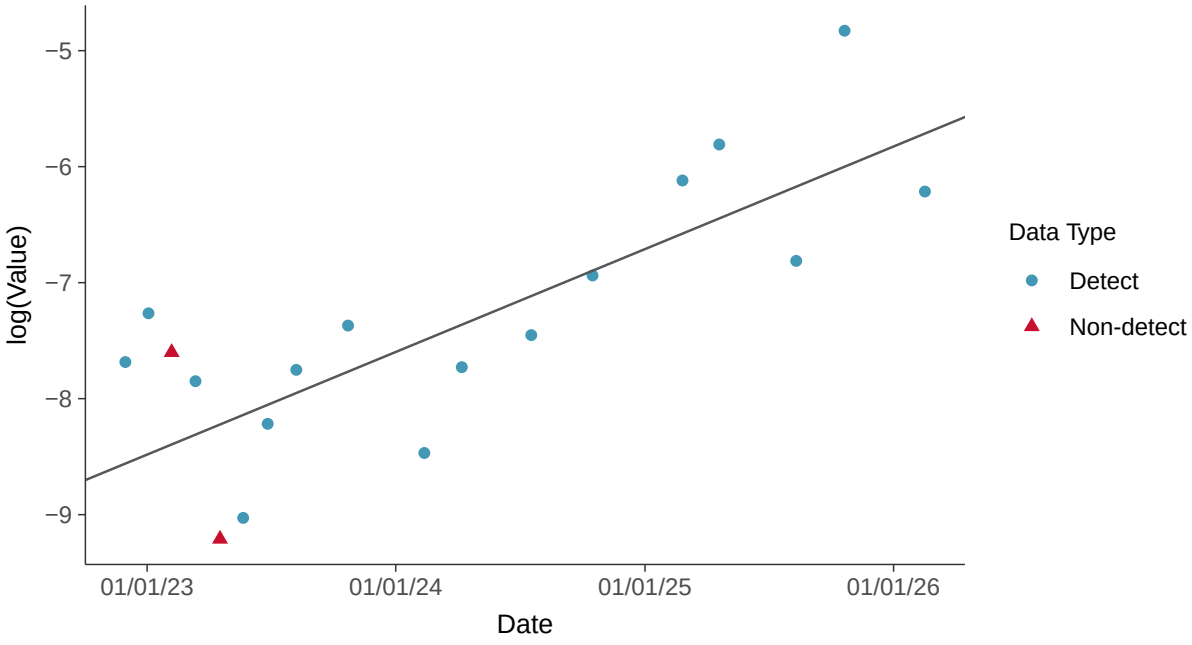
Gamma Q-Q plot using ROS Imputed Estimates

Arsenic, MW-30 (mg/L)



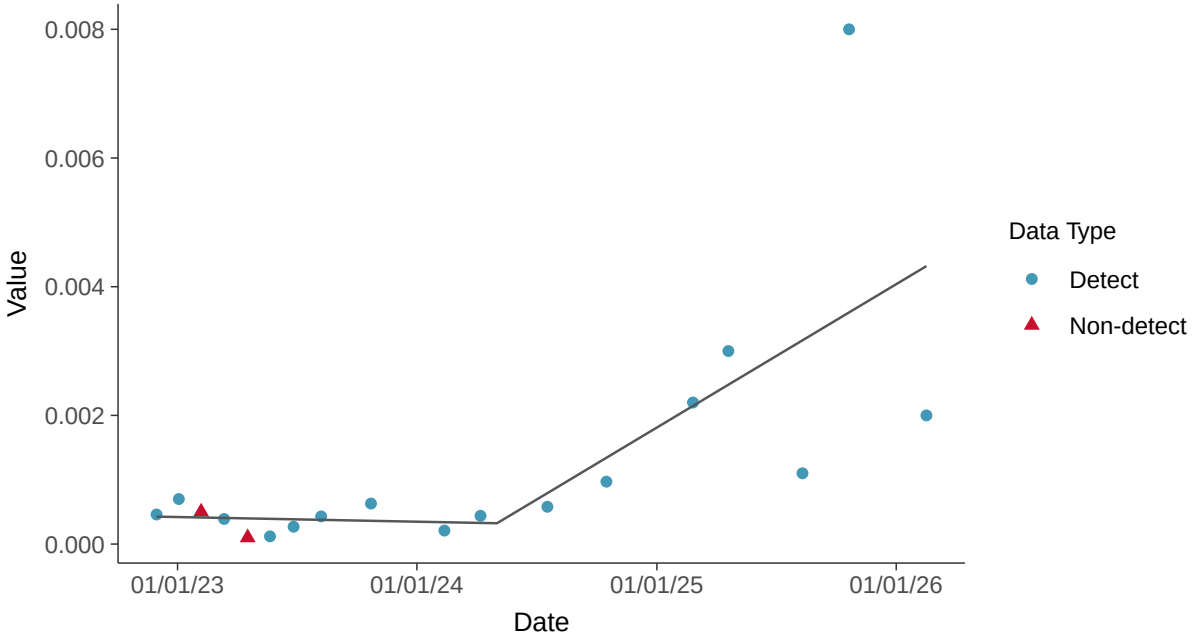
Trend Regression: Lognormal MLE

Arsenic, MW-30 (mg/L)



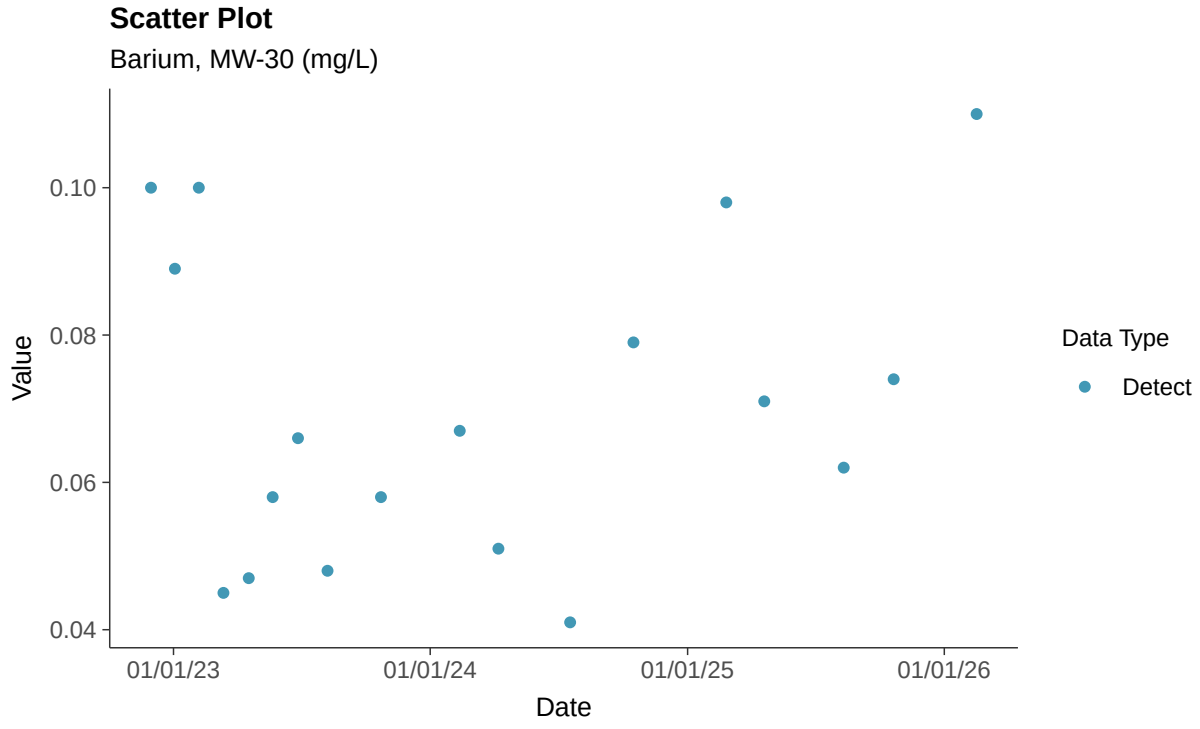
Trend Regression: Piecewise Linear-Linear

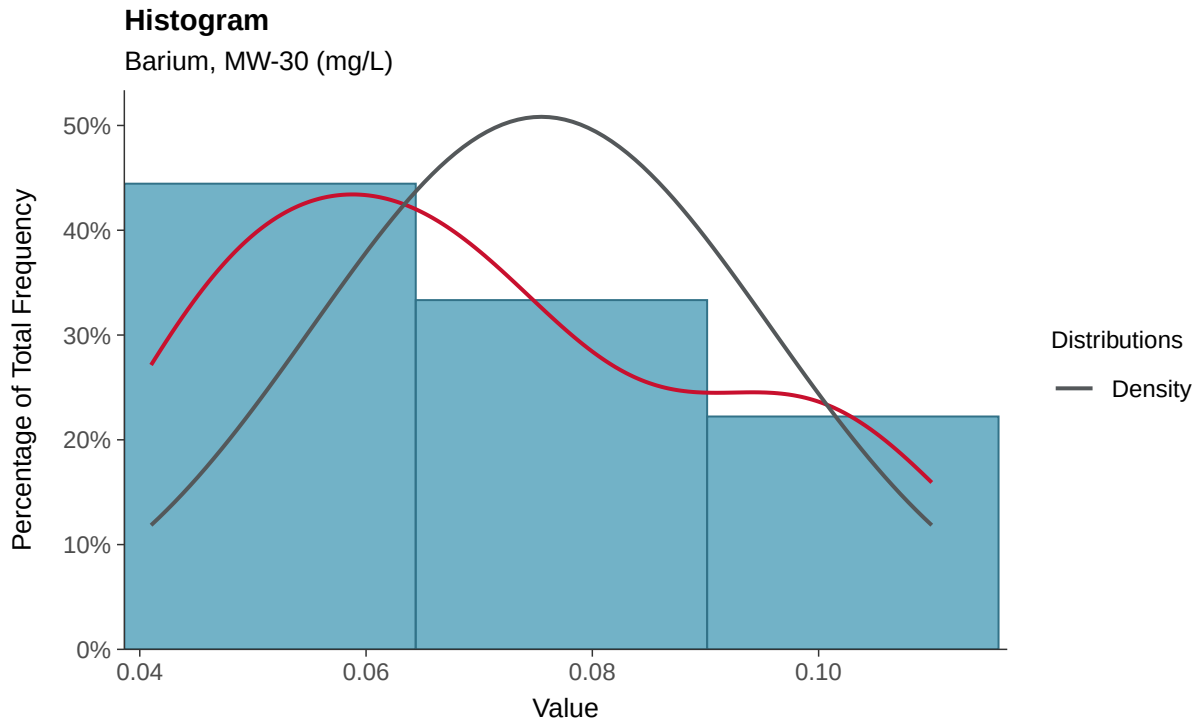
Arsenic, MW-30 (mg/L)



Appendix IV: Barium, MW-30

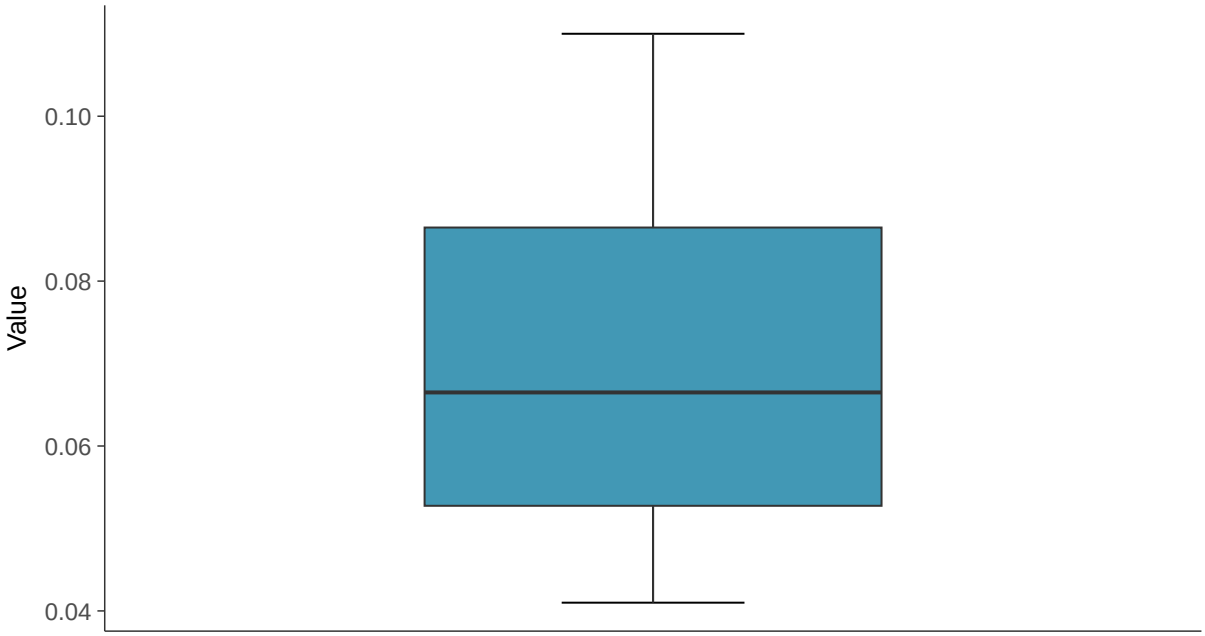
ID: 40_1_4_103





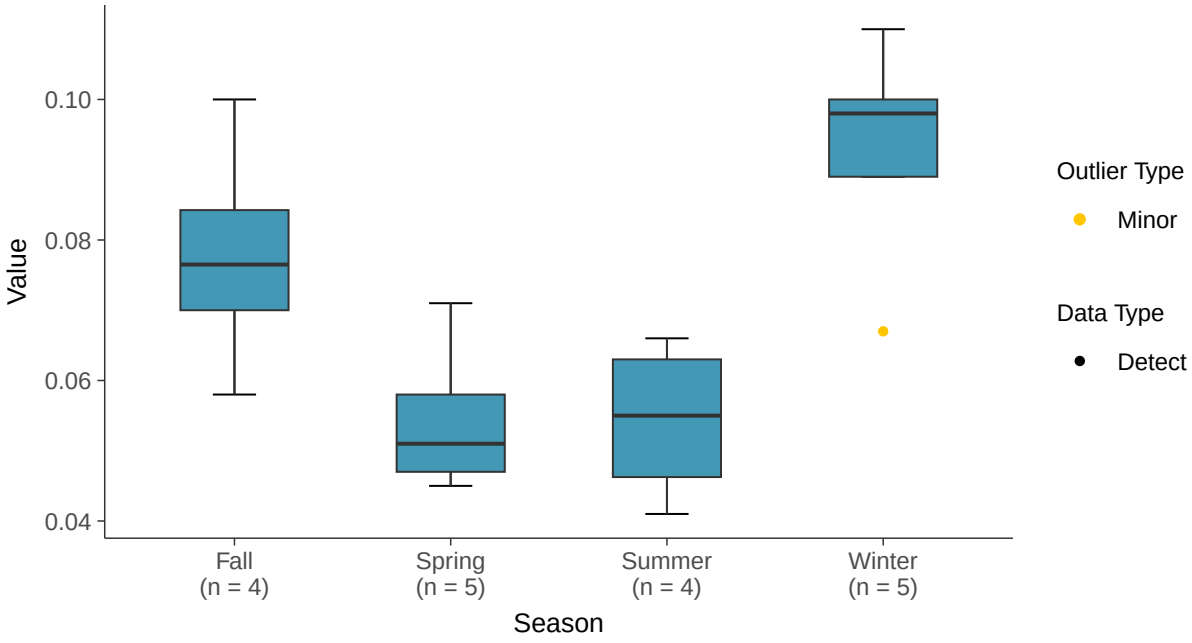
Boxplot

Barium, MW-30 (mg/L)



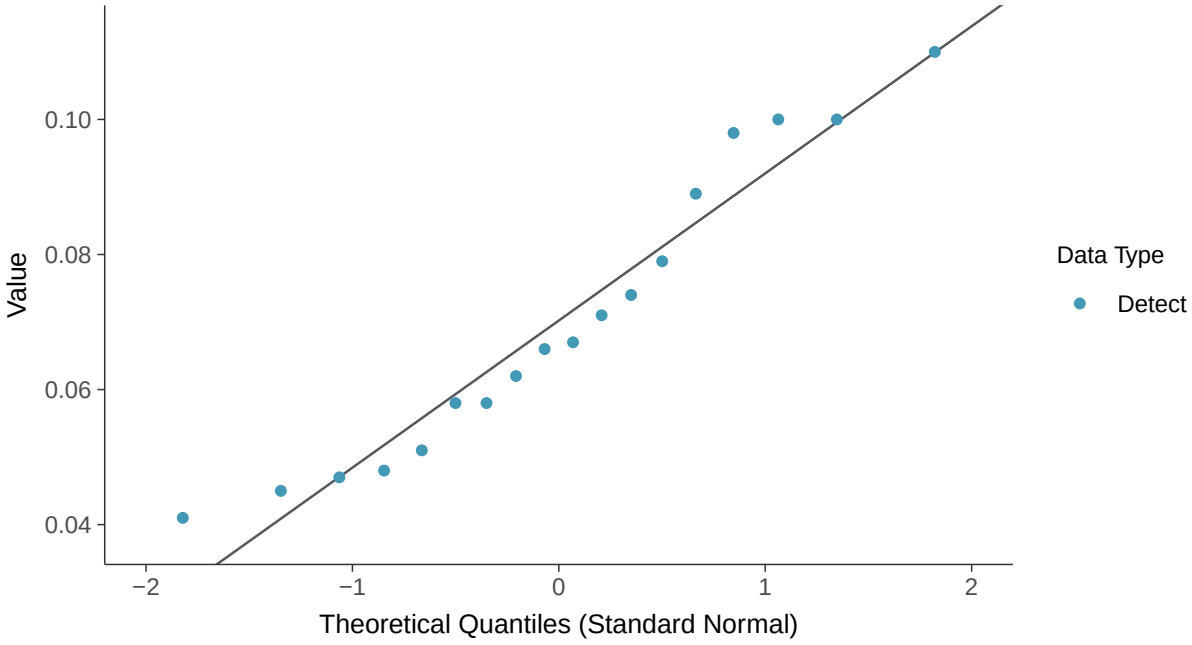
Boxplot by Season

Barium, MW-30 (mg/L)



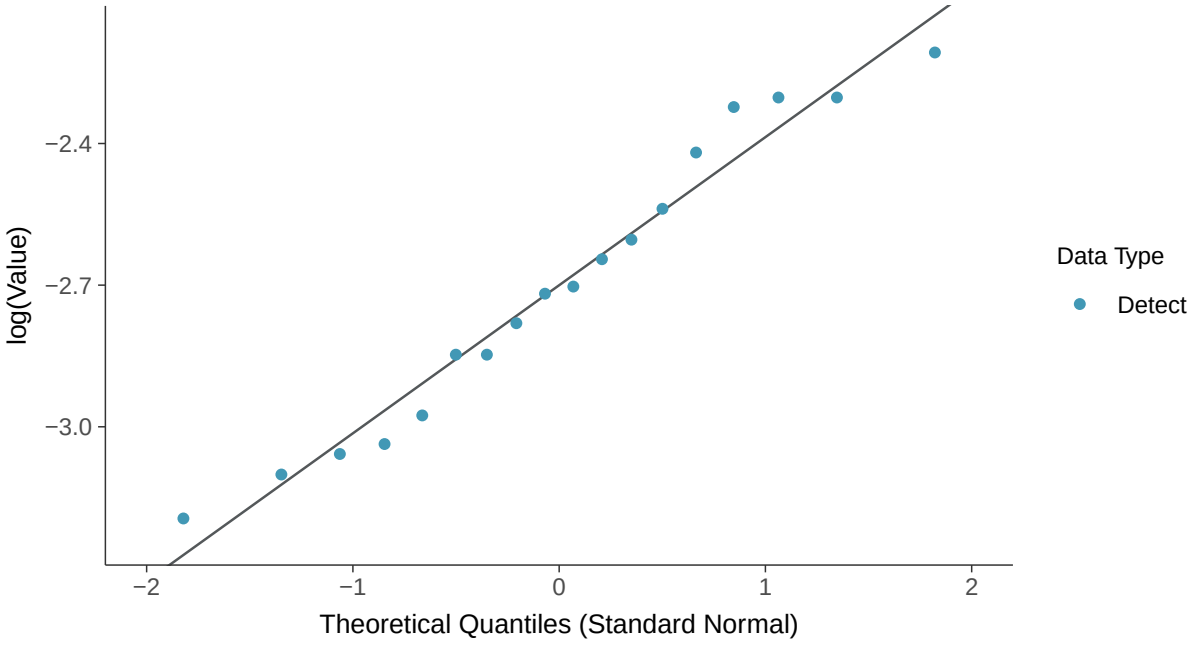
Normal Q-Q plot

Barium, MW-30 (mg/L)



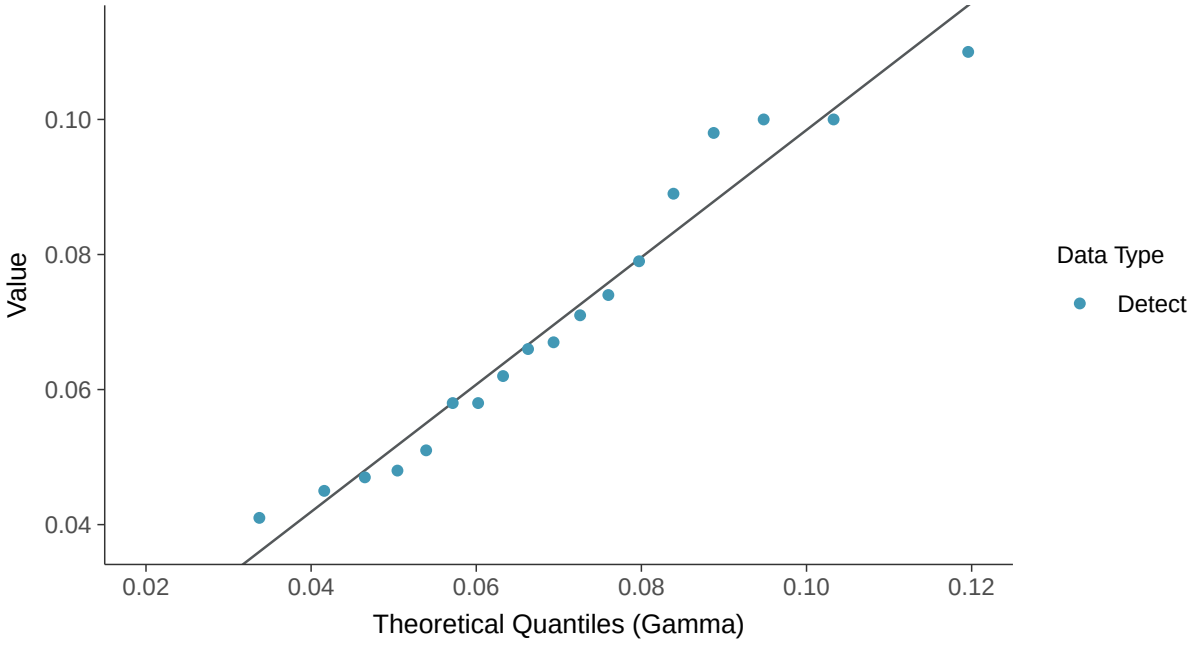
Lognormal Q-Q plot

Barium, MW-30 (mg/L)



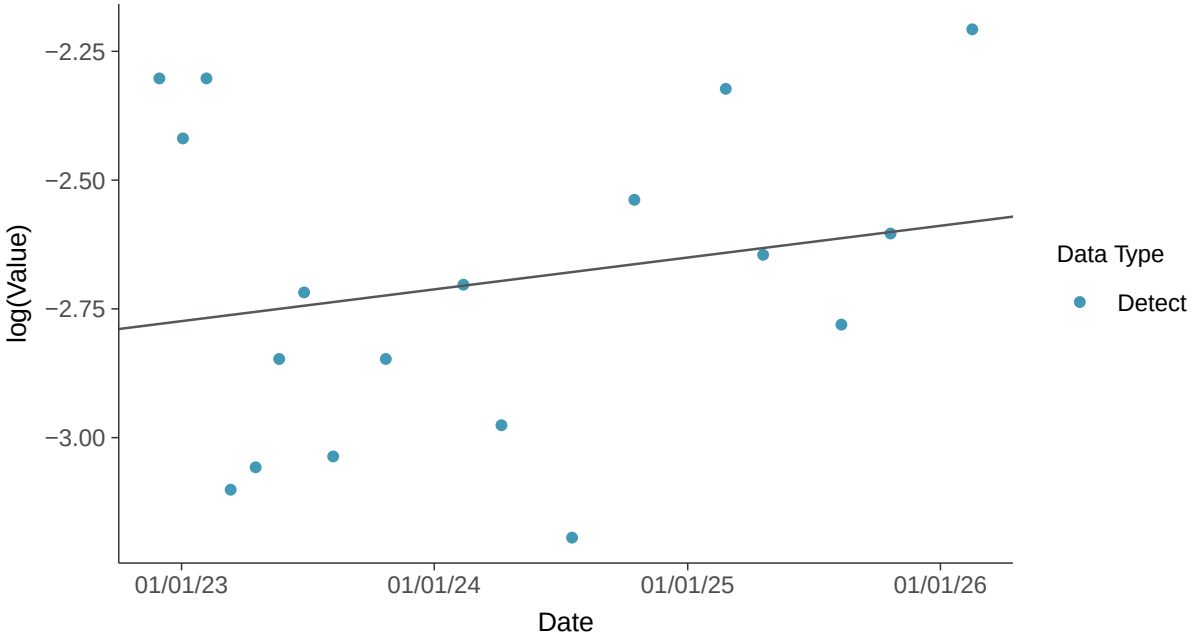
Gamma Q-Q plot

Barium, MW-30 (mg/L)



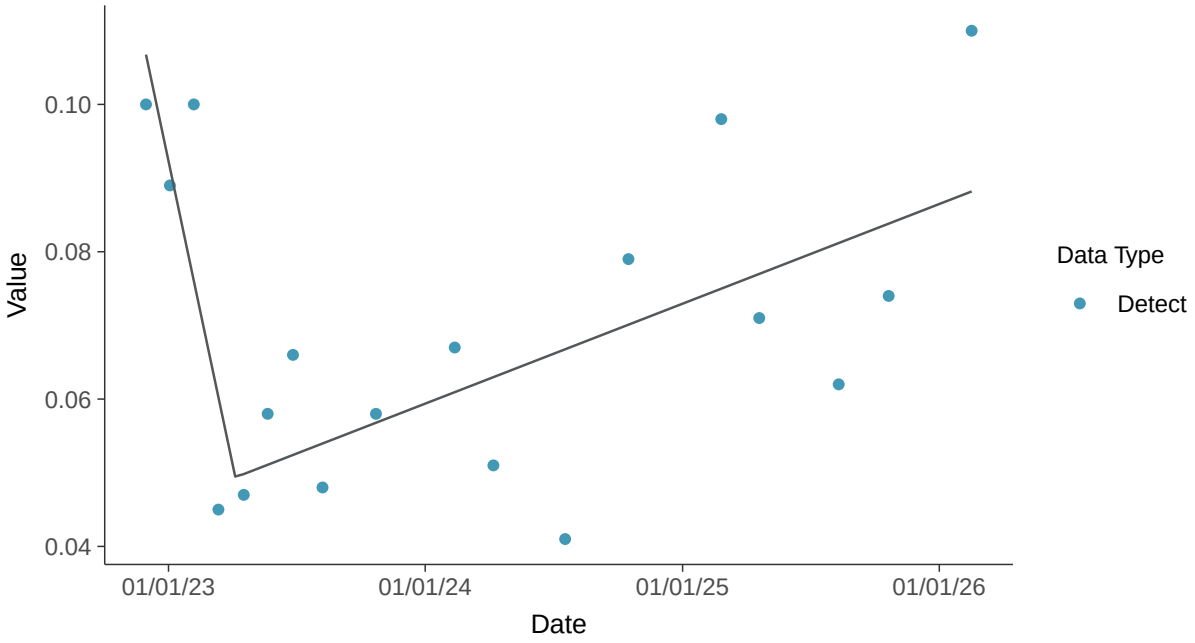
Trend Regression: Lognormal MLE

Barium, MW-30 (mg/L)



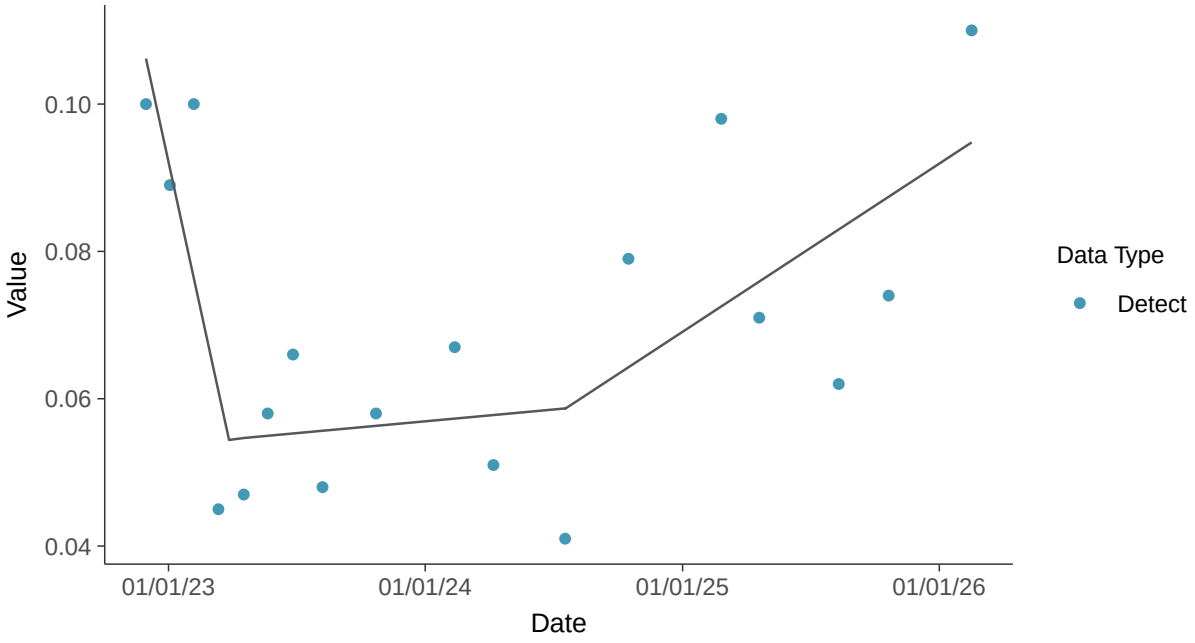
Trend Regression: Piecewise Linear-Linear

Barium, MW-30 (mg/L)



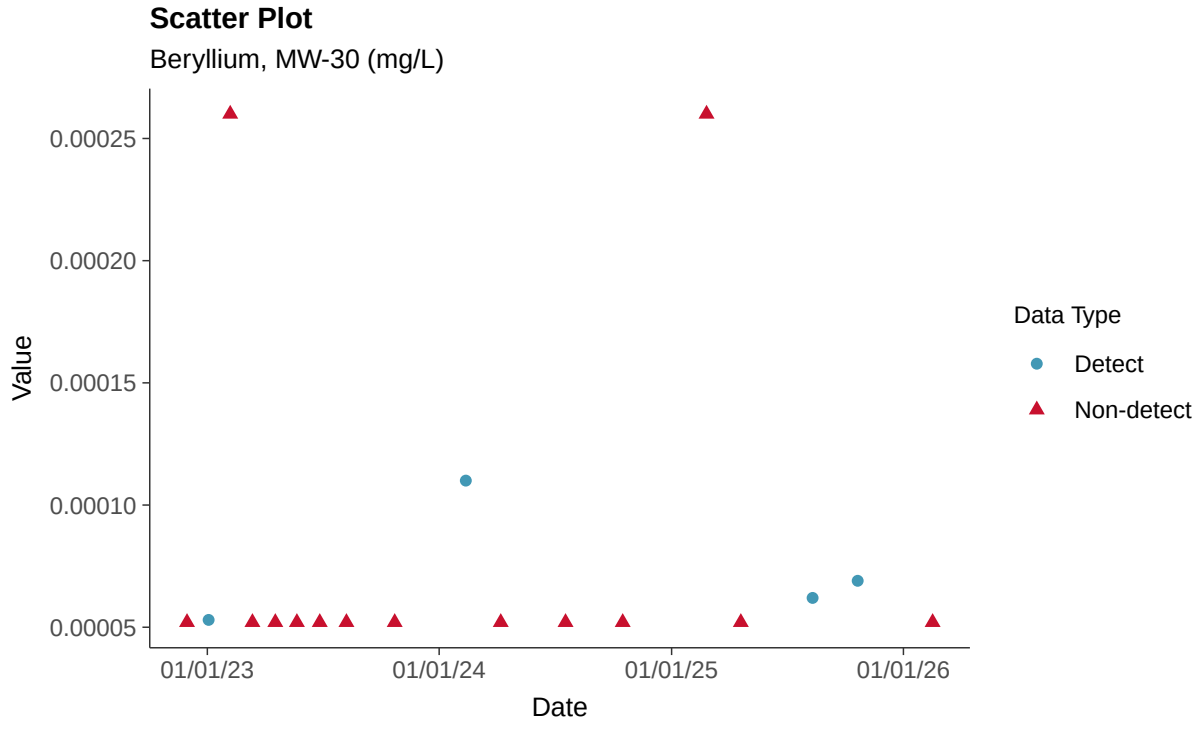
Trend Regression: Piecewise Linear-Linear-Linear

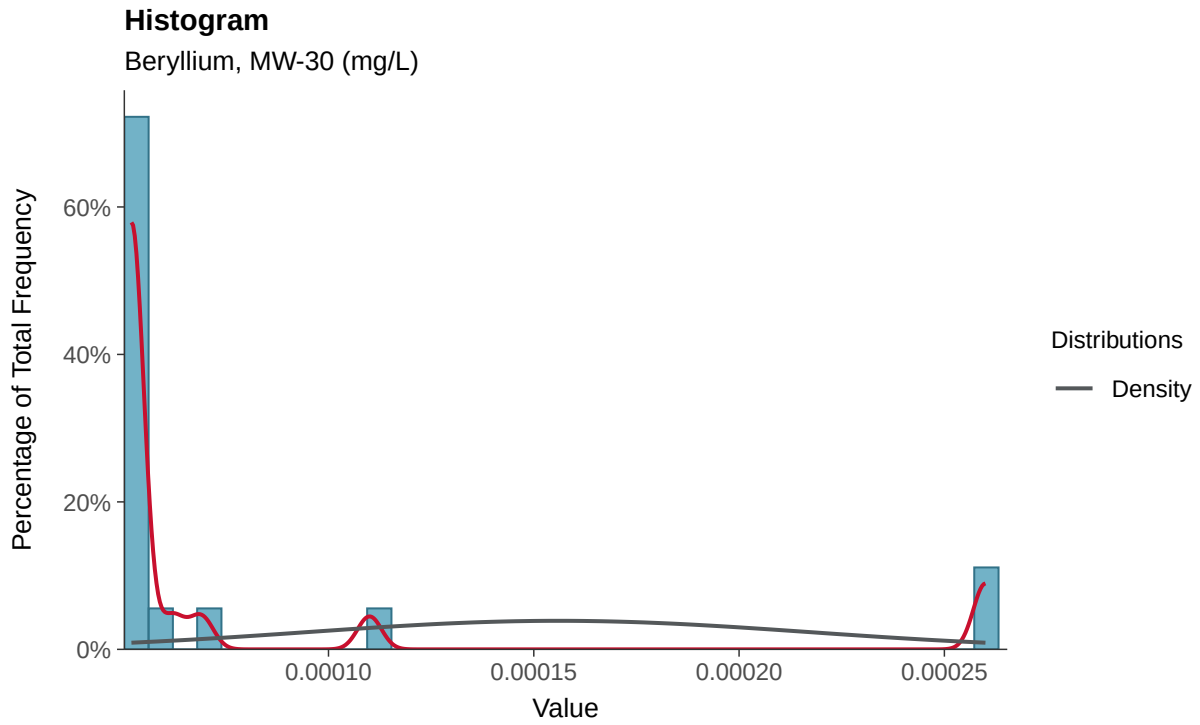
Barium, MW-30 (mg/L)



Appendix IV: Beryllium, MW-30

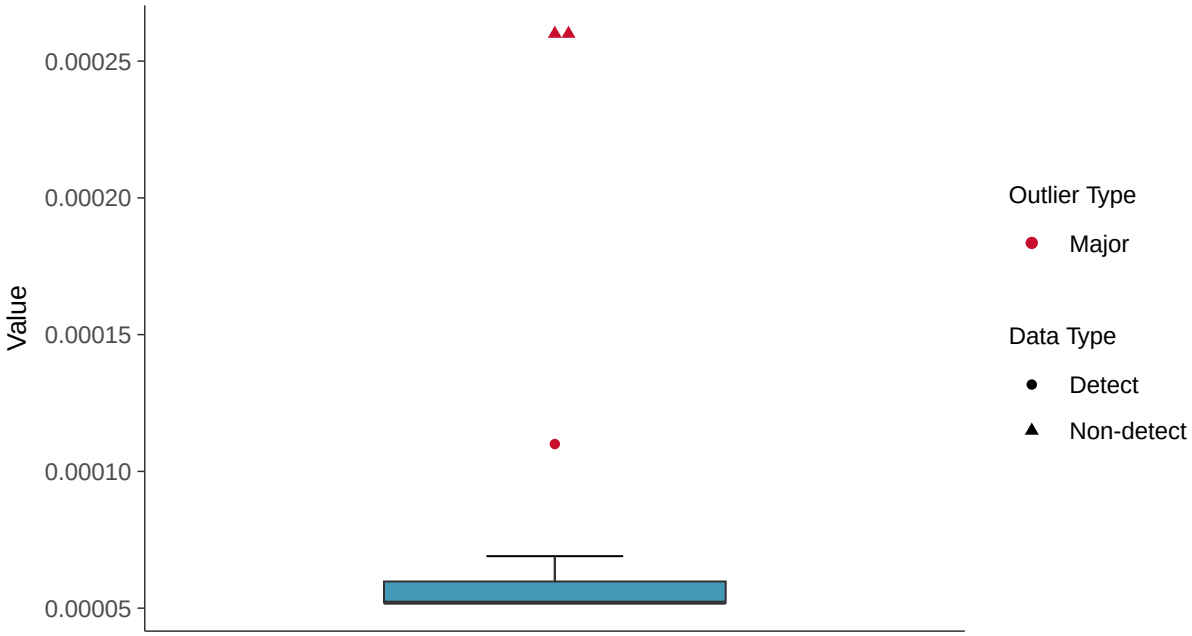
ID: 40_1_4_104





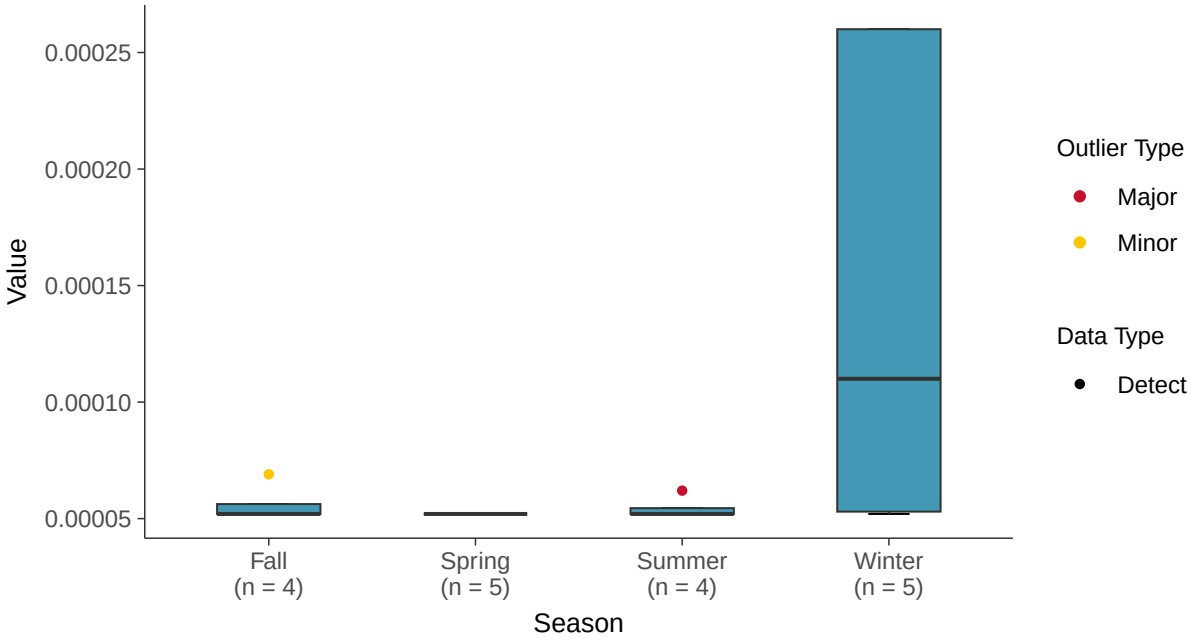
Boxplot

Beryllium, MW-30 (mg/L)



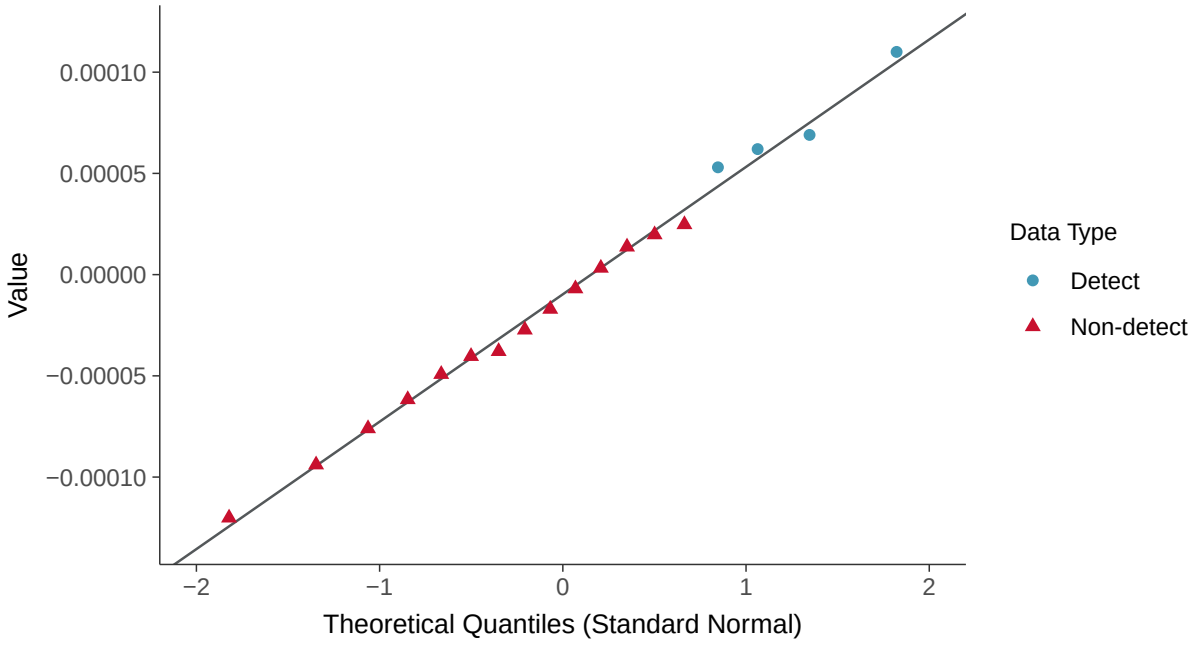
Boxplot by Season

Beryllium, MW-30 (mg/L)



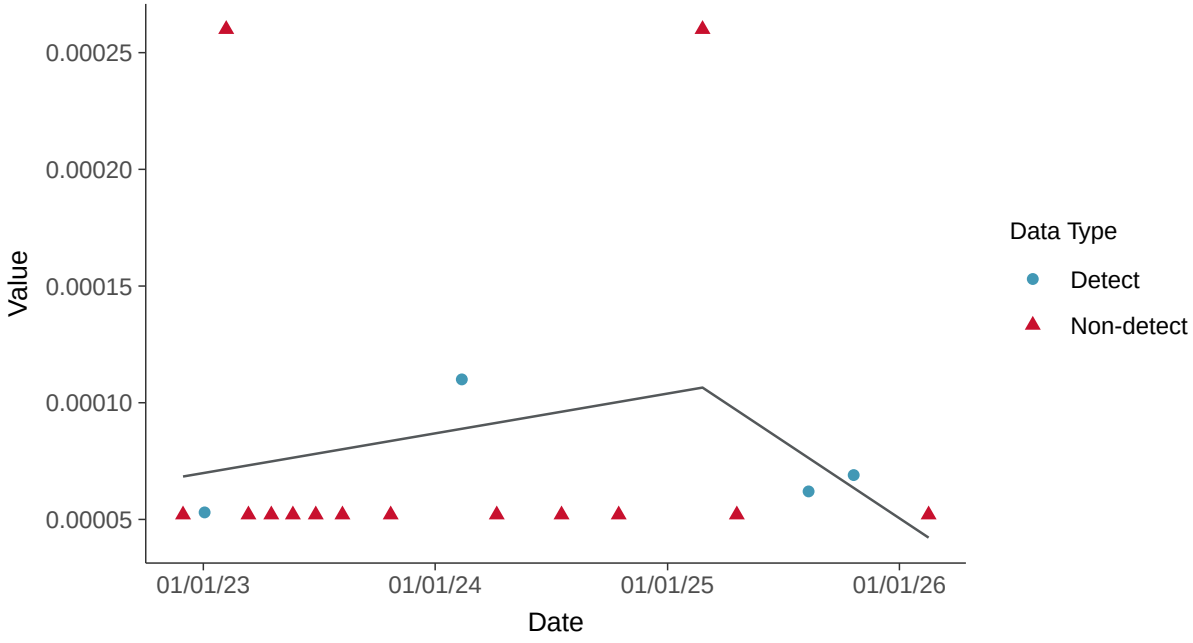
Normal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-30 (mg/L)



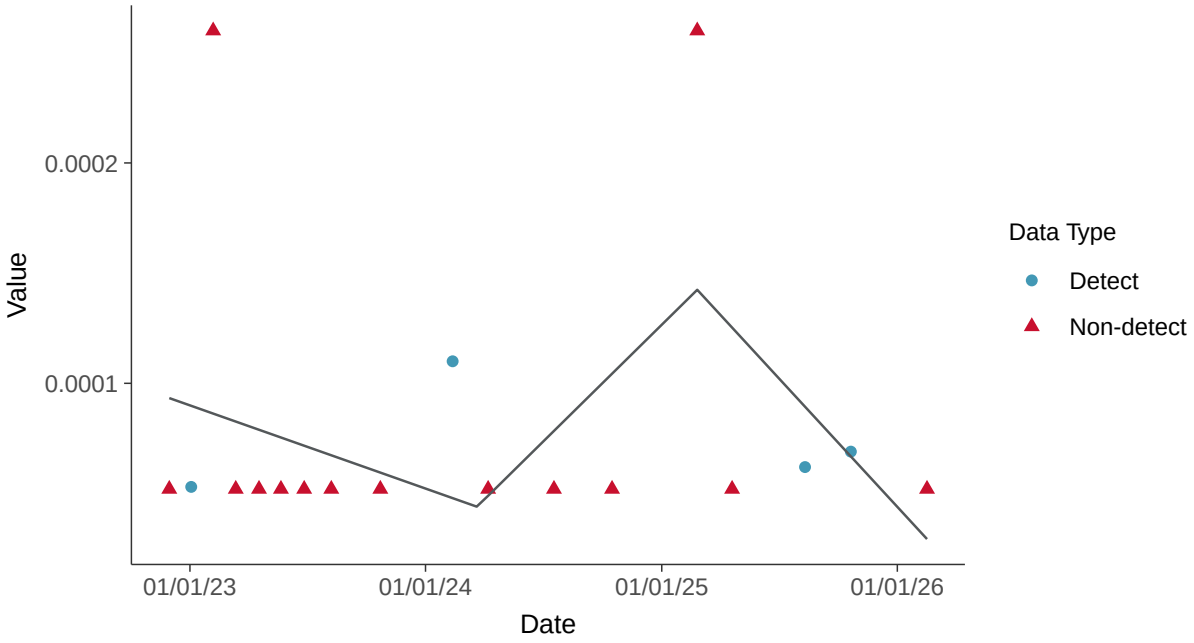
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-30 (mg/L)



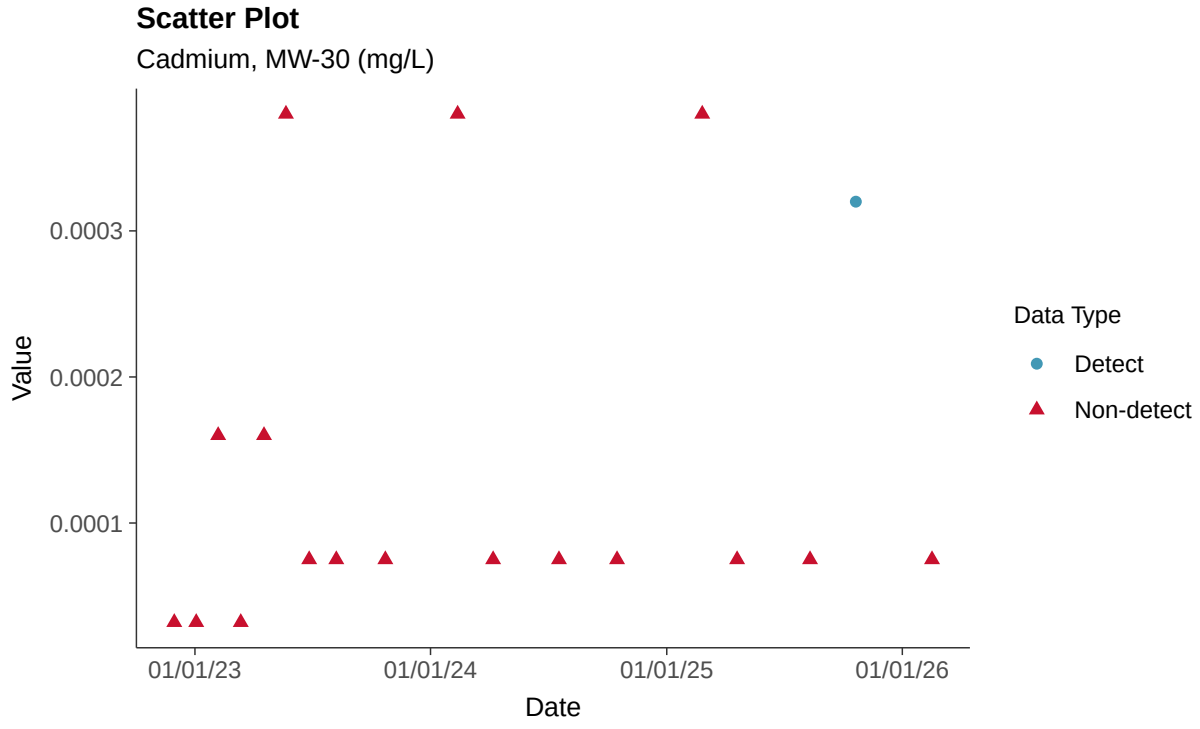
Trend Regression: Piecewise Linear-Linear-Linear

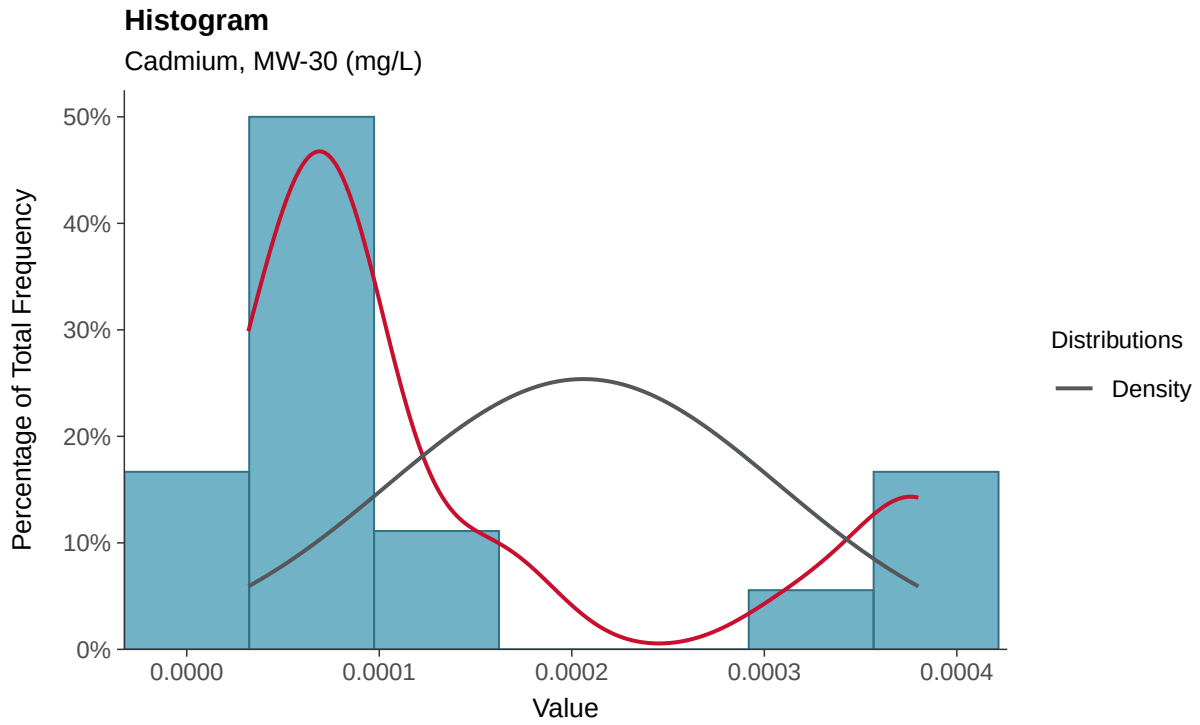
Beryllium, MW-30 (mg/L)



Appendix IV: Cadmium, MW-30

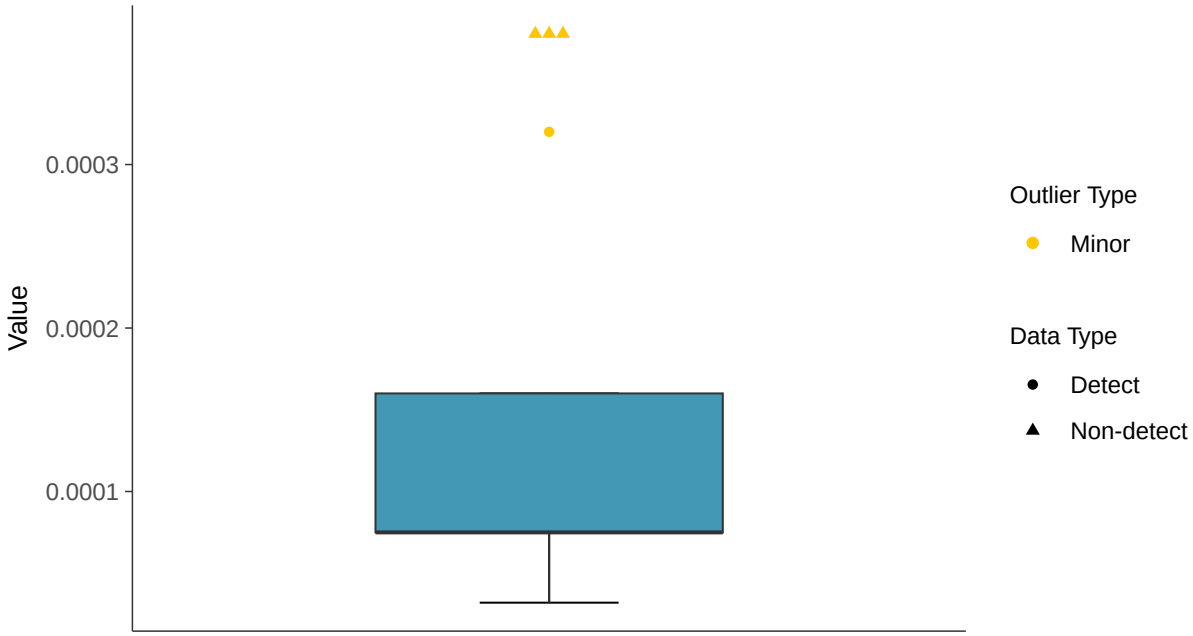
ID: 40_1_4_106





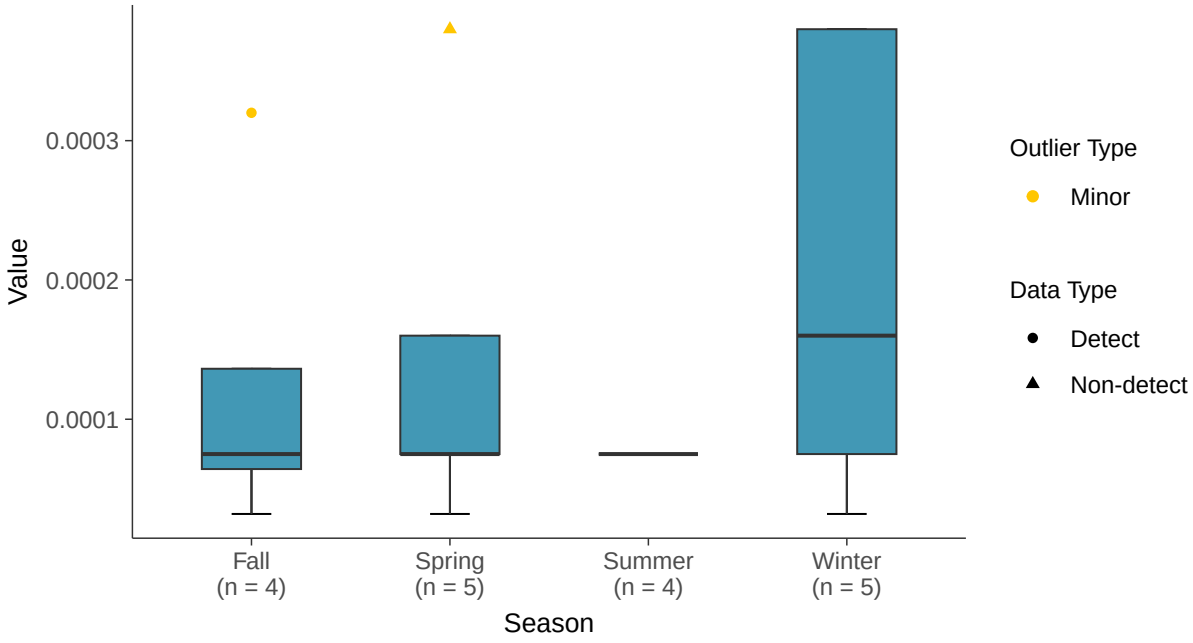
Boxplot

Cadmium, MW-30 (mg/L)



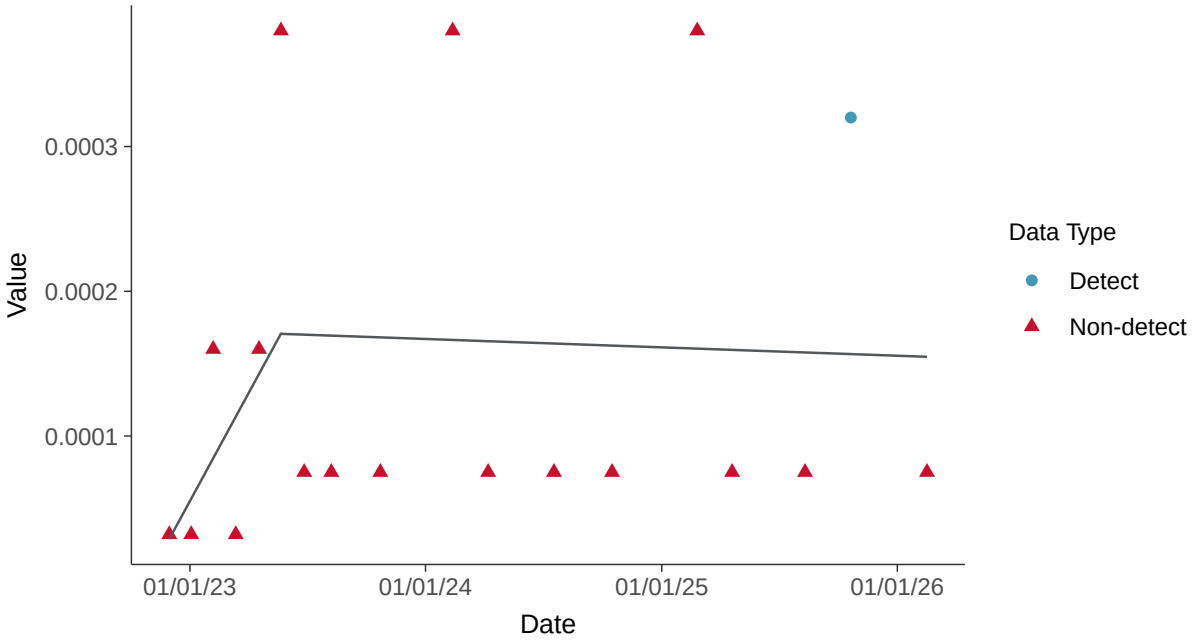
Boxplot by Season

Cadmium, MW-30 (mg/L)



Trend Regression: Piecewise Linear-Linear

Cadmium, MW-30 (mg/L)

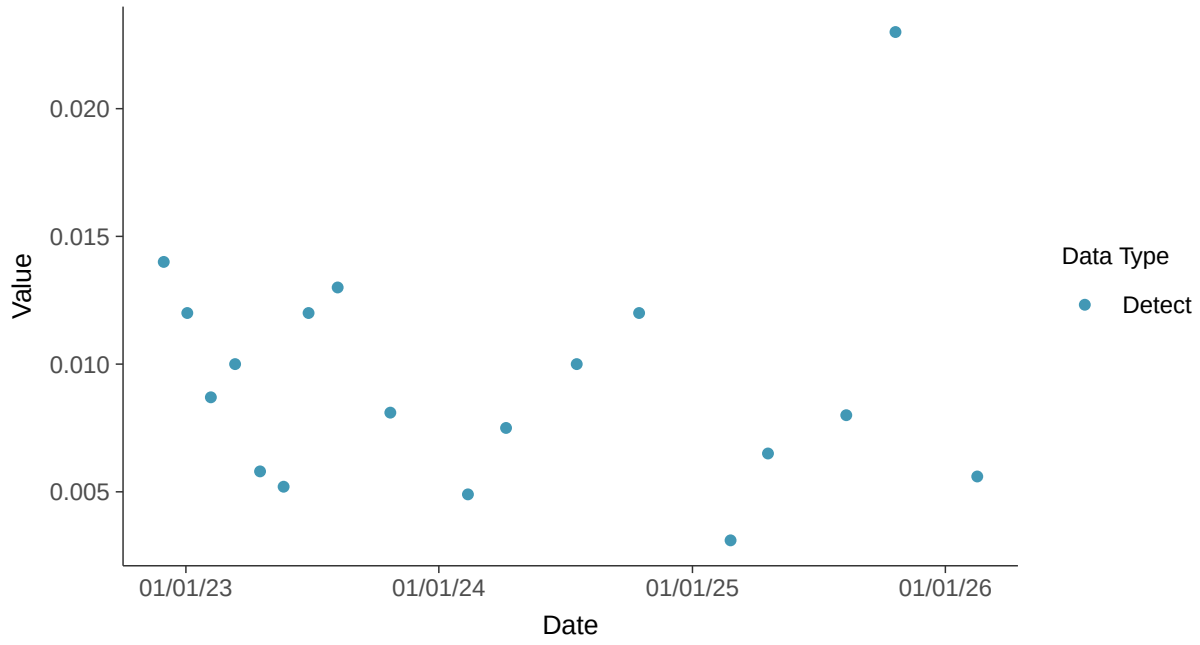


Appendix IV: Chromium, Total, MW-30

ID: 40_1_4_109

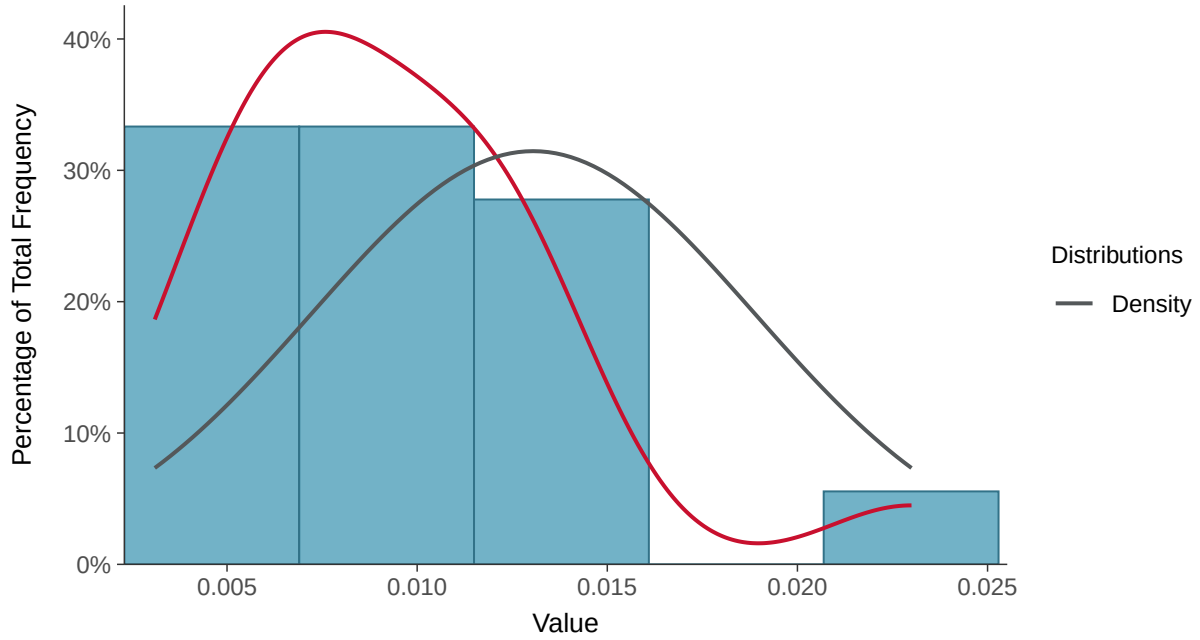
Scatter Plot

Chromium, Total, MW-30 (mg/L)



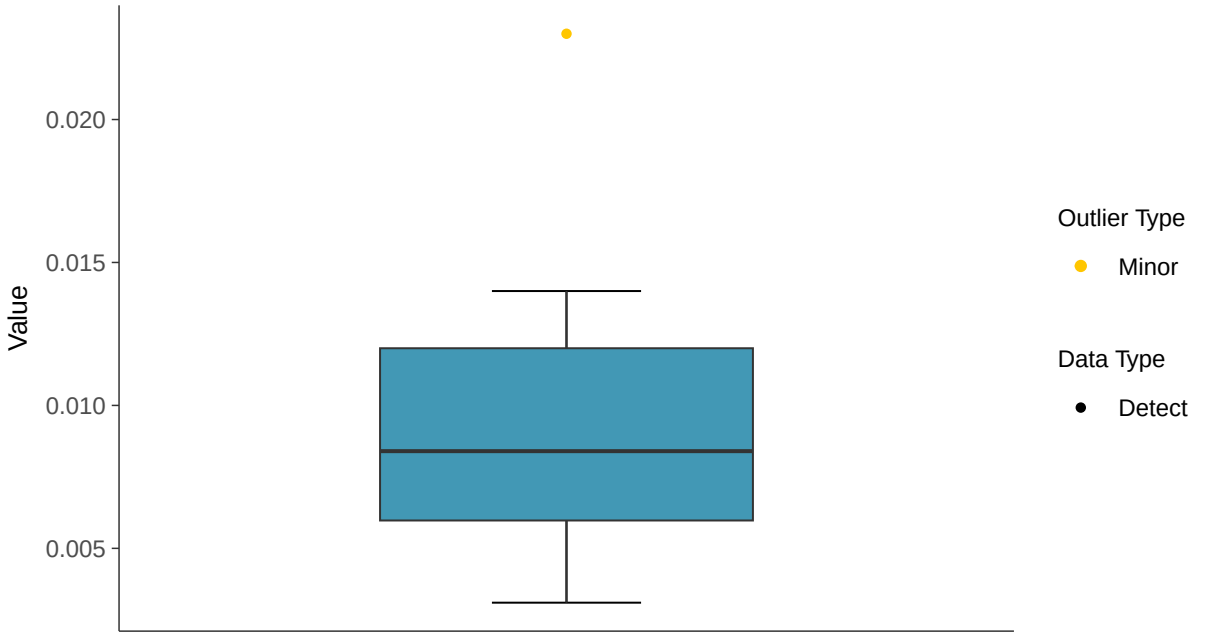
Histogram

Chromium, Total, MW-30 (mg/L)



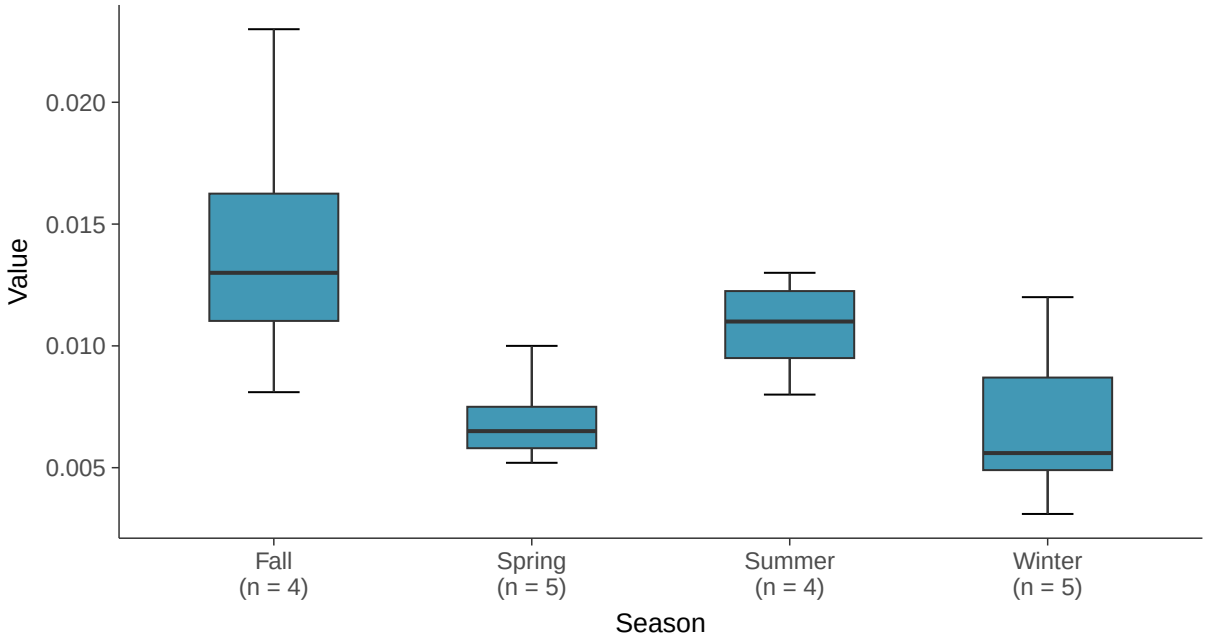
Boxplot

Chromium, Total, MW-30 (mg/L)



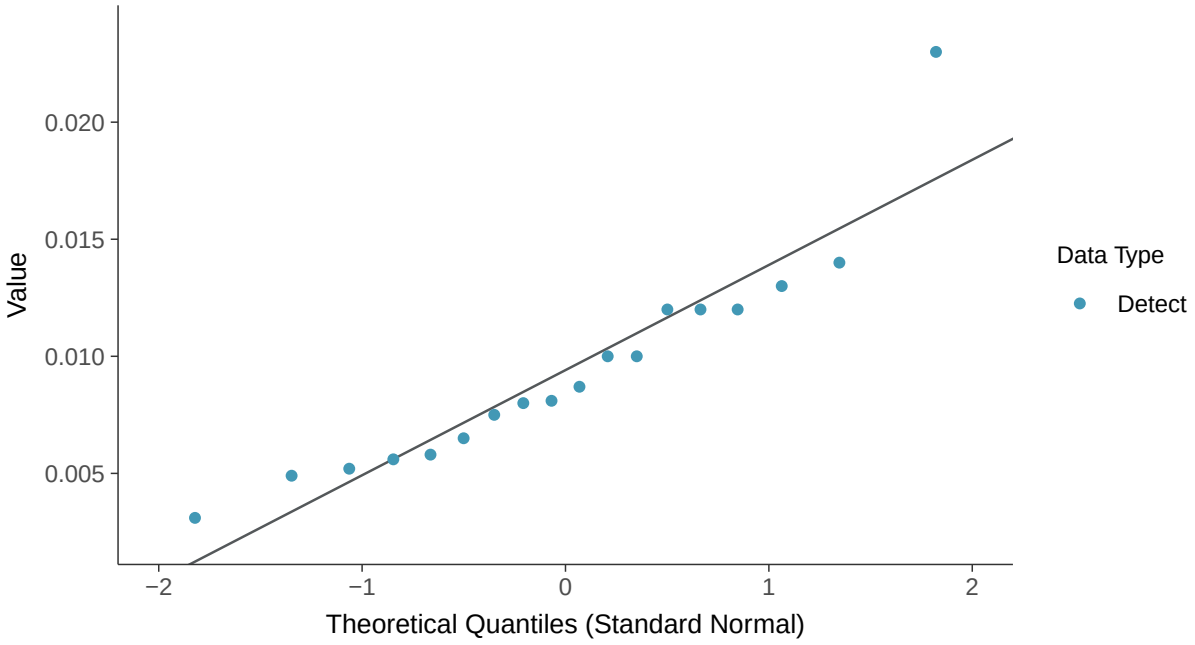
Boxplot by Season

Chromium, Total, MW-30 (mg/L)



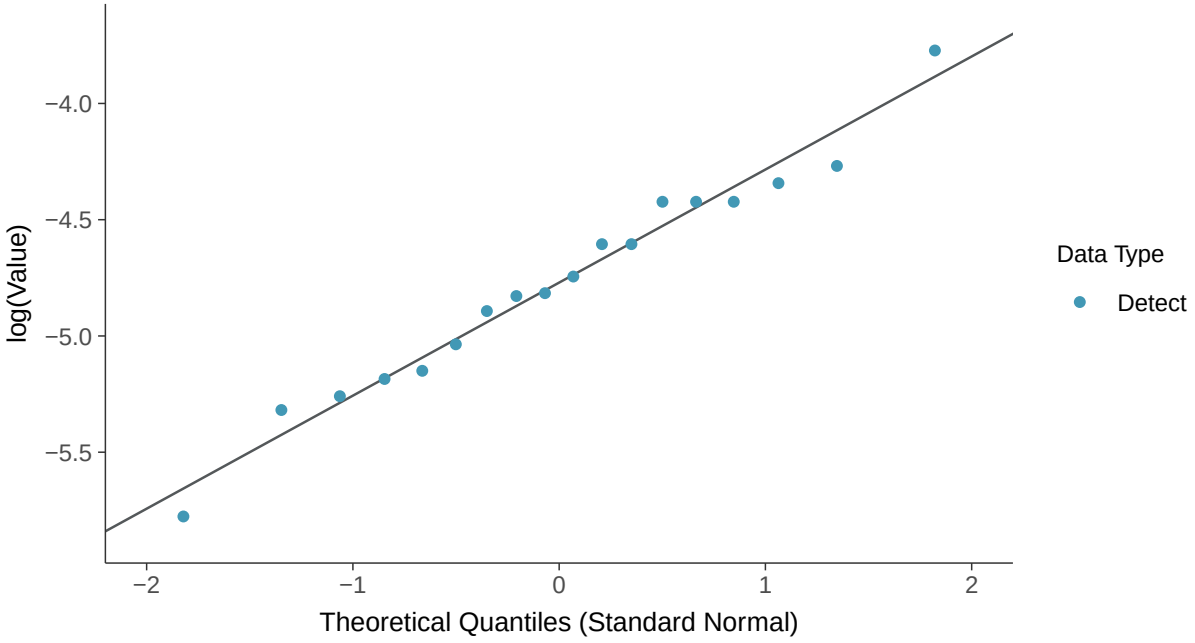
Normal Q-Q plot

Chromium, Total, MW-30 (mg/L)



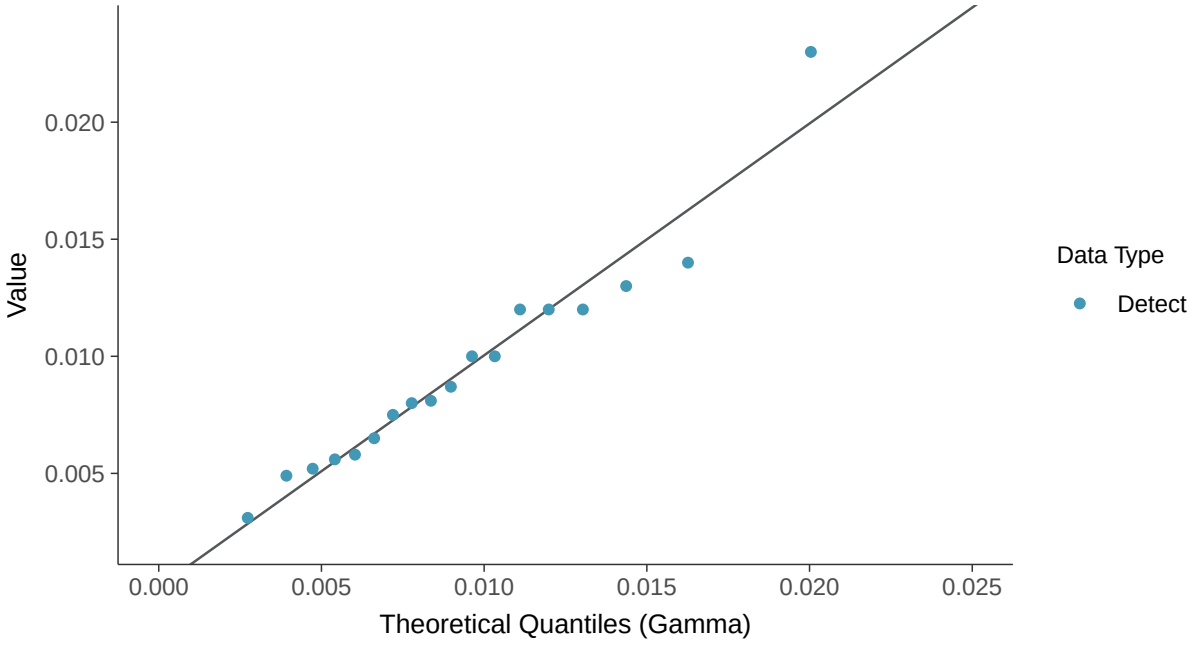
Lognormal Q-Q plot

Chromium, Total, MW-30 (mg/L)



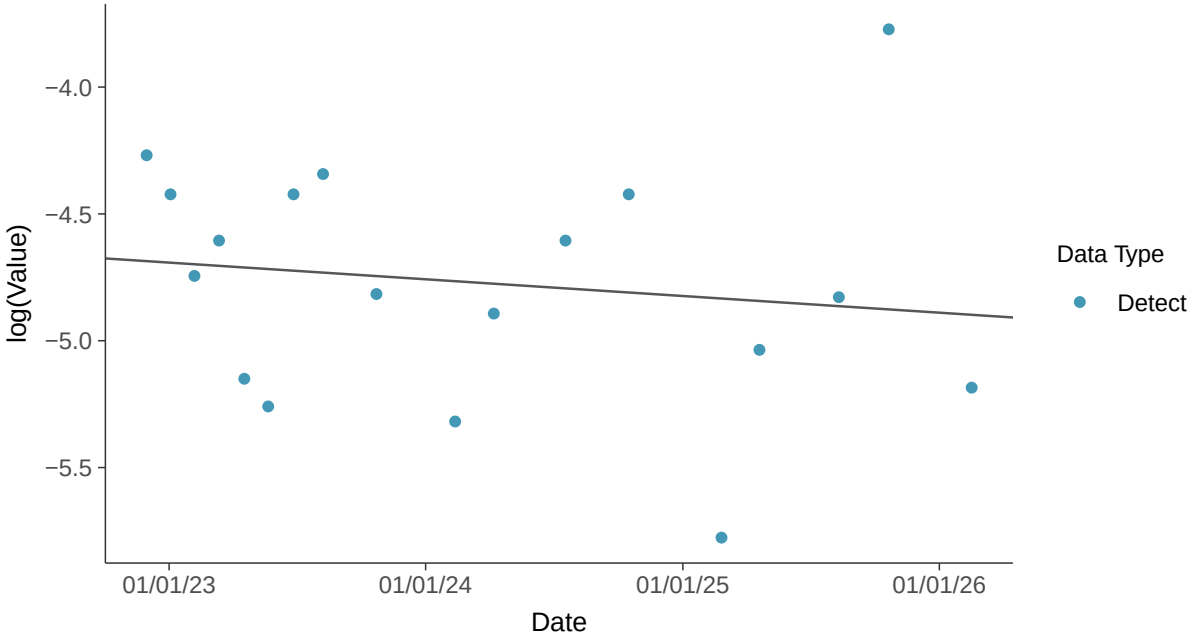
Gamma Q-Q plot

Chromium, Total, MW-30 (mg/L)



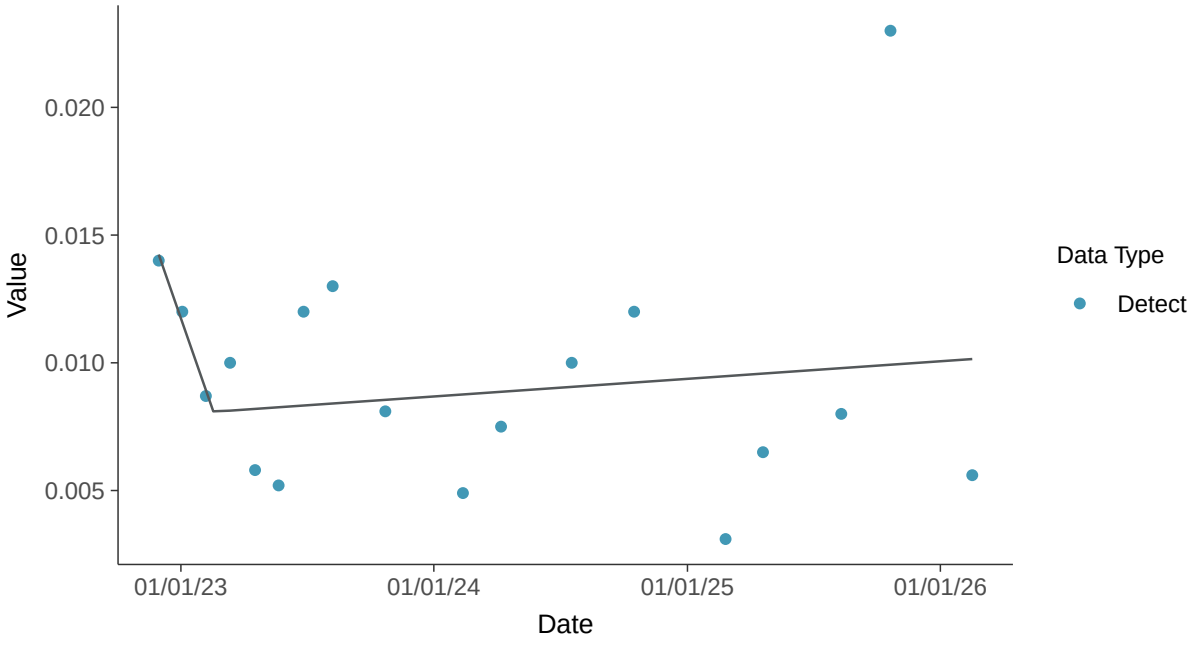
Trend Regression: Lognormal MLE

Chromium, Total, MW-30 (mg/L)



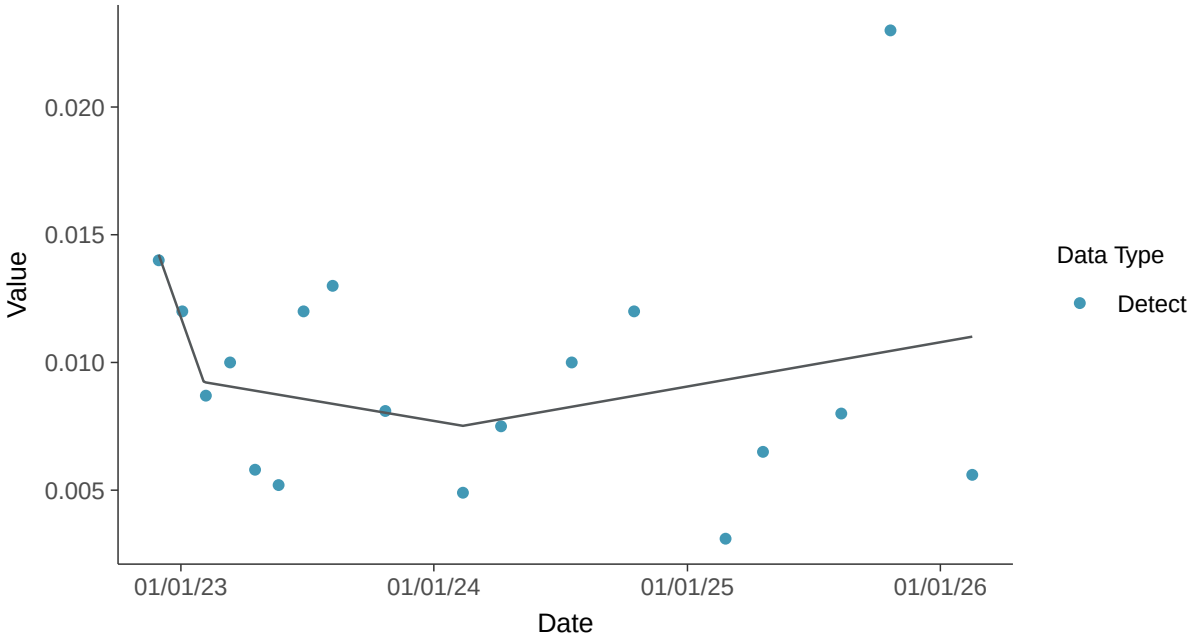
Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-30 (mg/L)



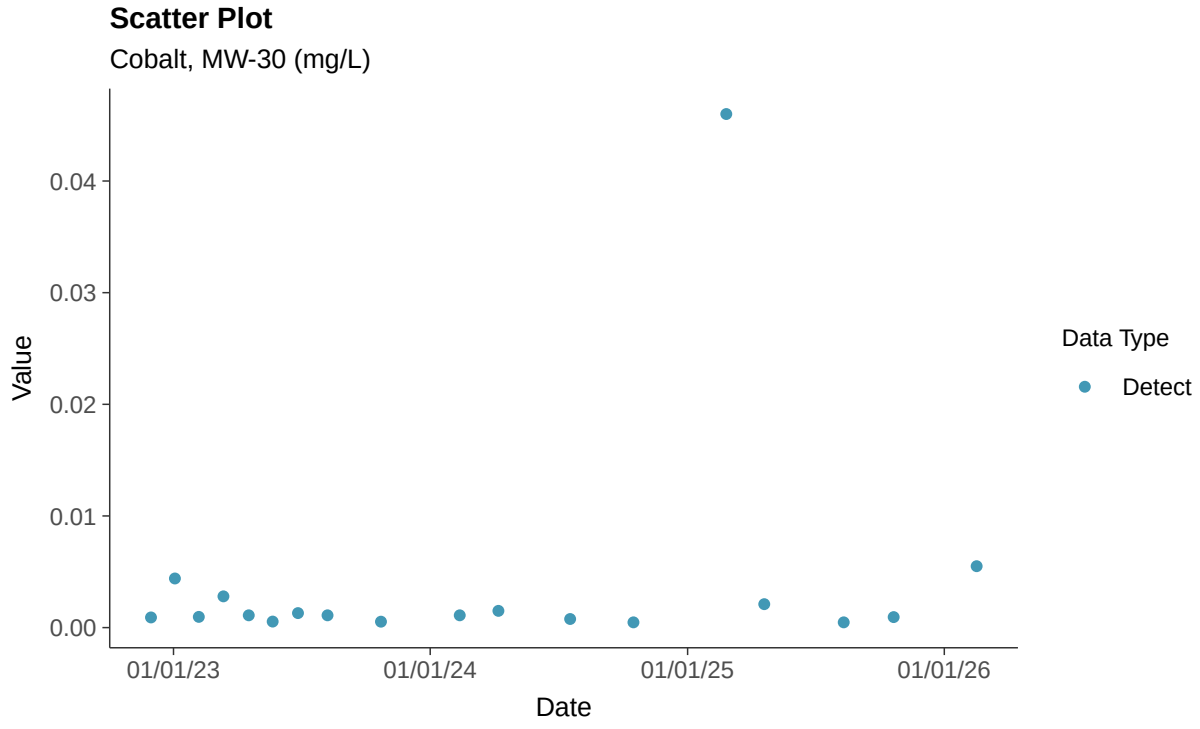
Trend Regression: Piecewise Linear-Linear-Linear

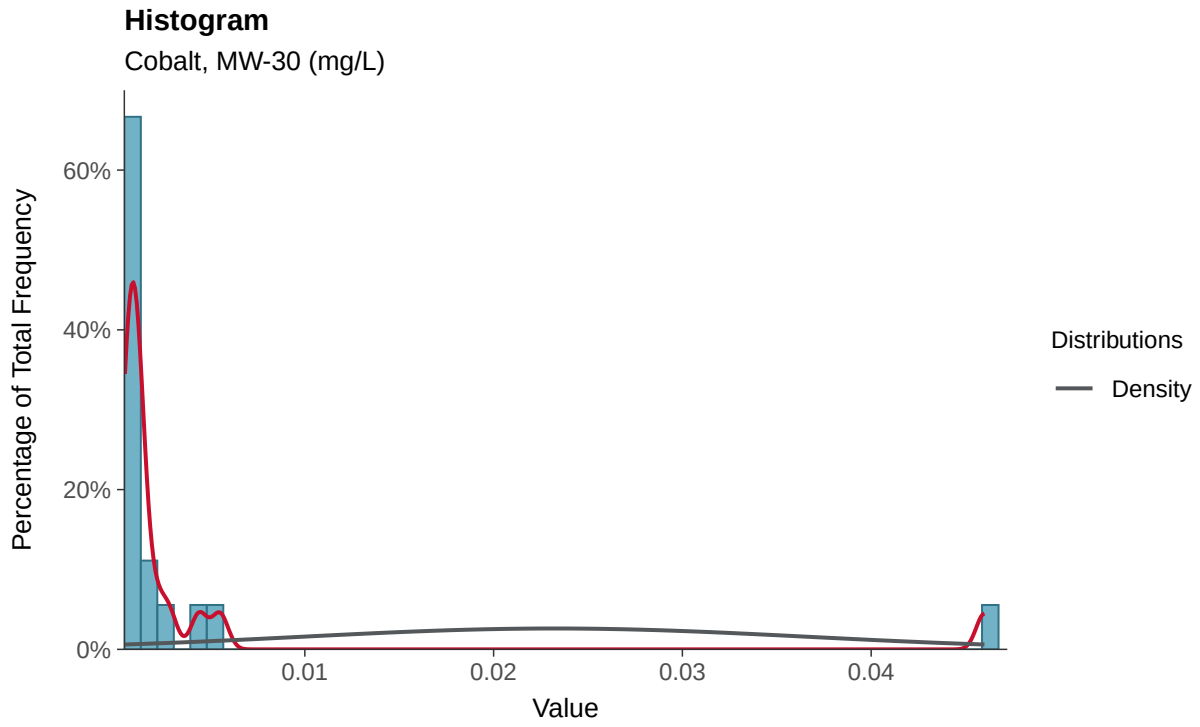
Chromium, Total, MW-30 (mg/L)



Appendix IV: Cobalt, MW-30

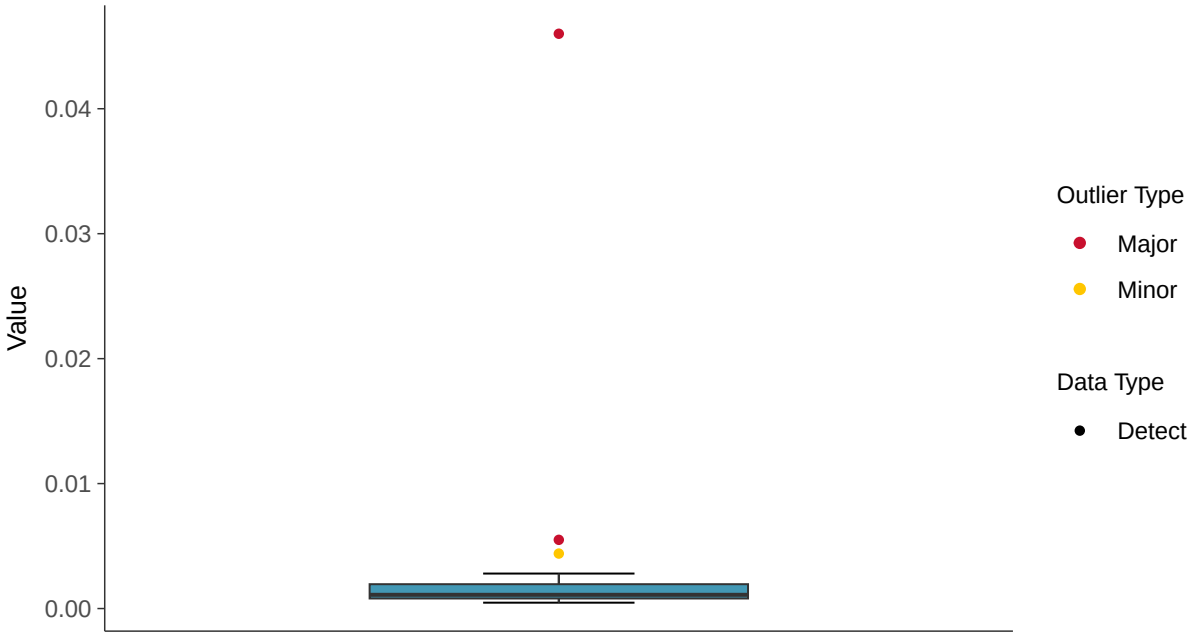
ID: 40_1_4_110





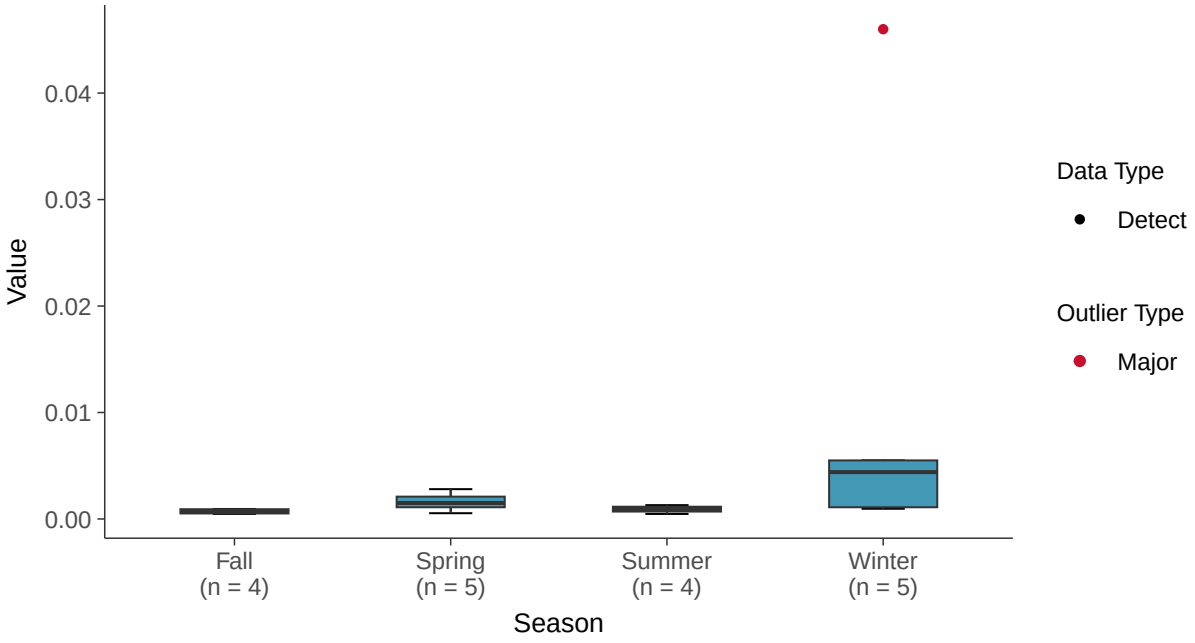
Boxplot

Cobalt, MW-30 (mg/L)



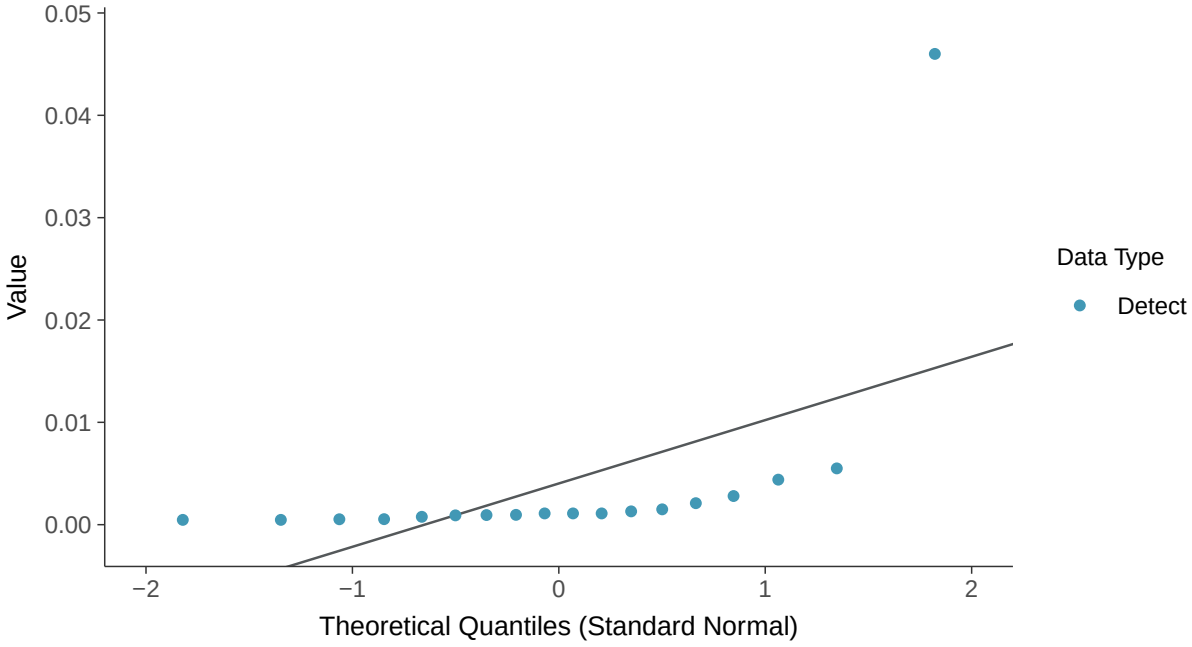
Boxplot by Season

Cobalt, MW-30 (mg/L)



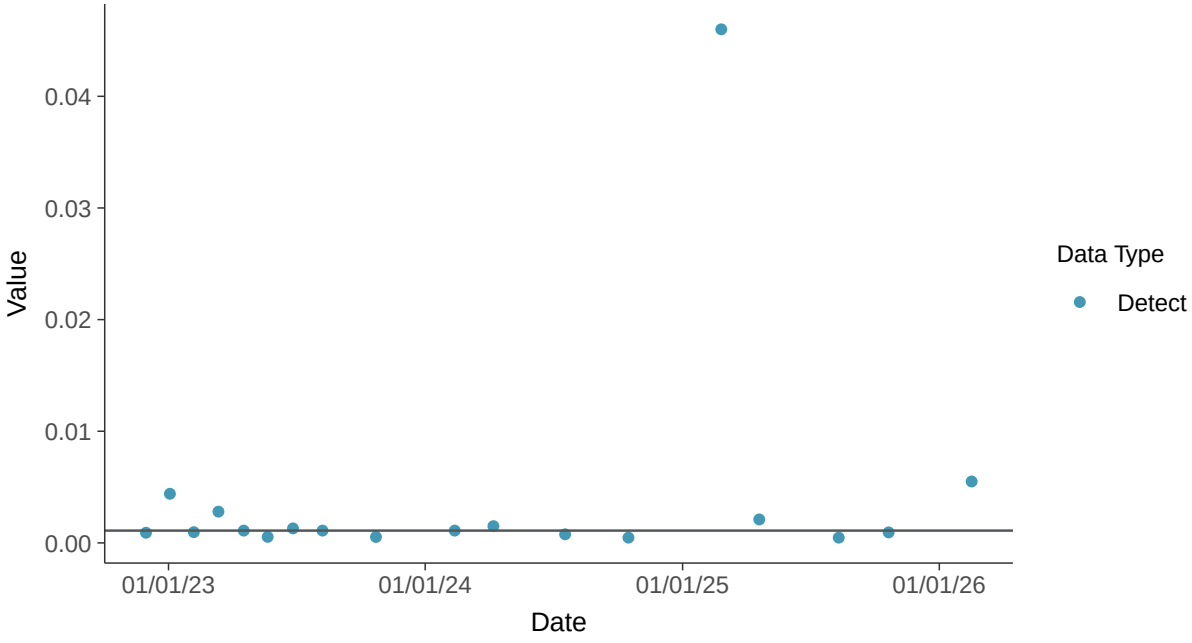
Normal Q-Q plot

Cobalt, MW-30 (mg/L)



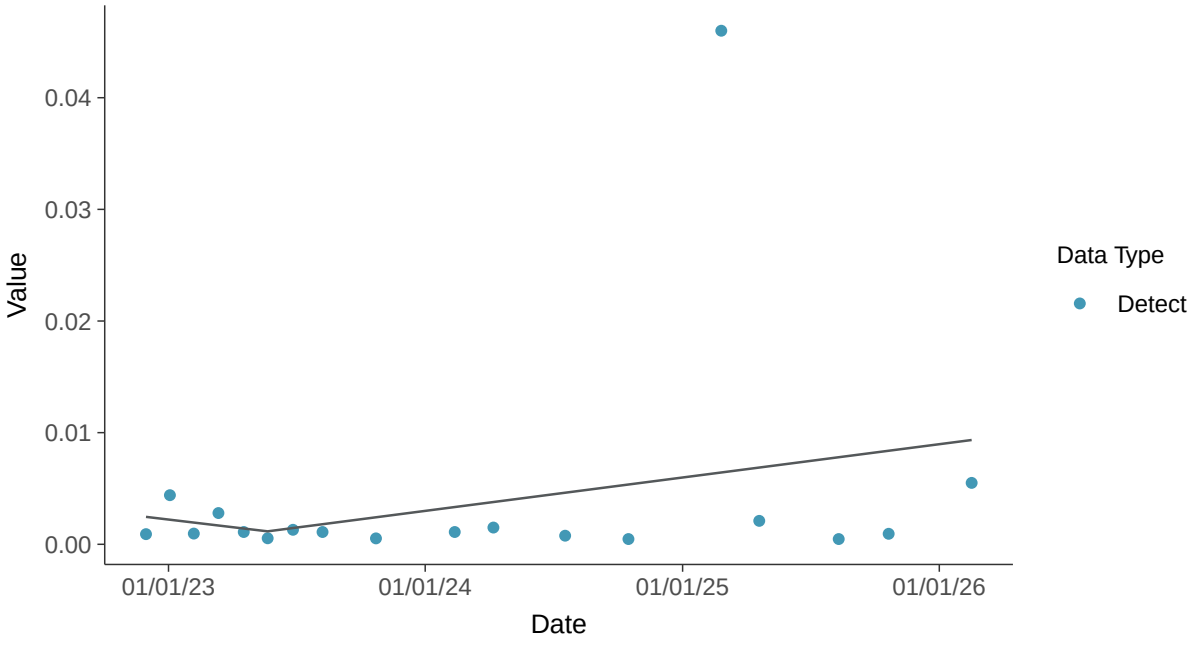
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Cobalt, MW-30 (mg/L)



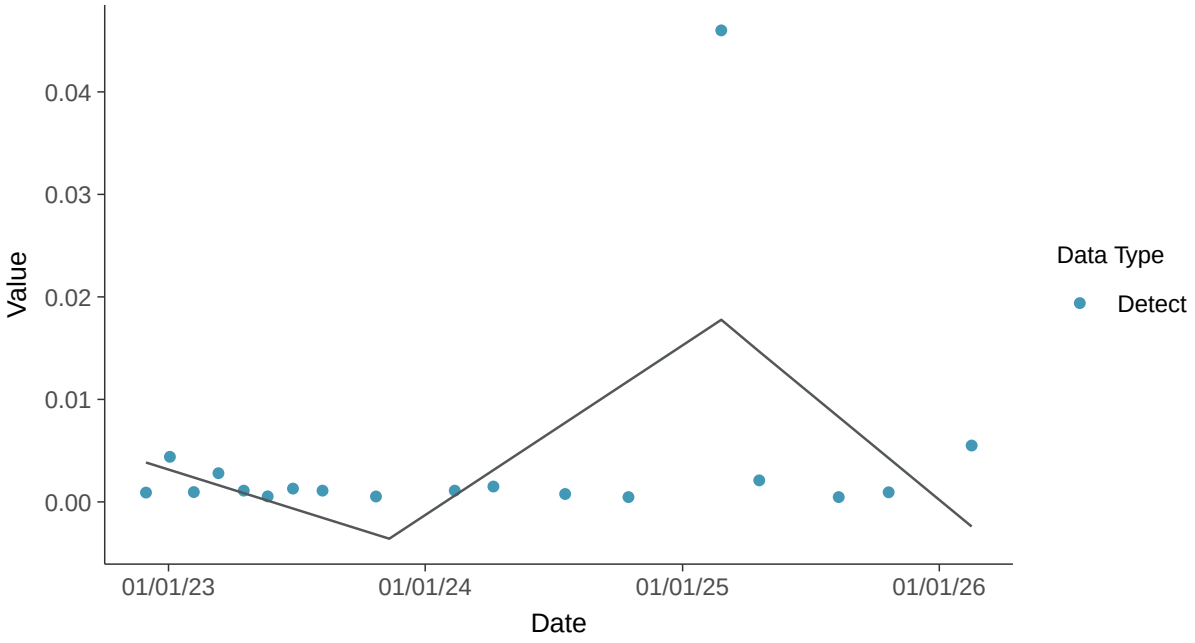
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-30 (mg/L)



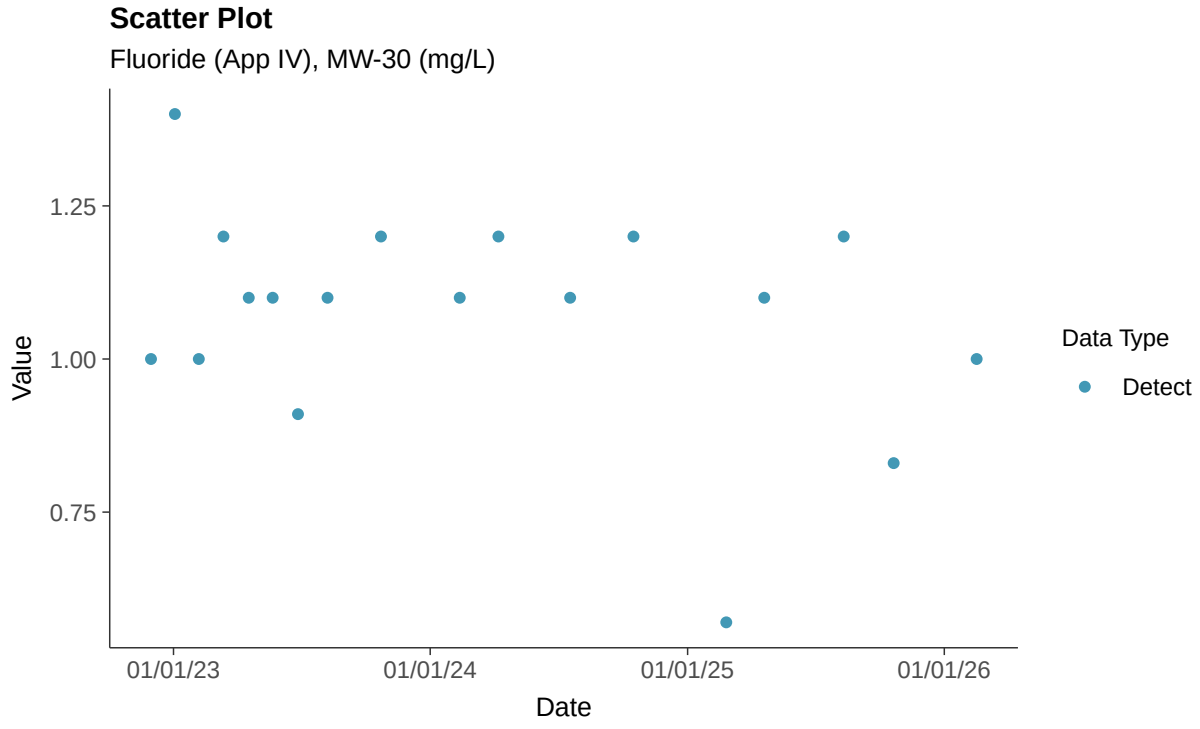
Trend Regression: Piecewise Linear-Linear-Linear

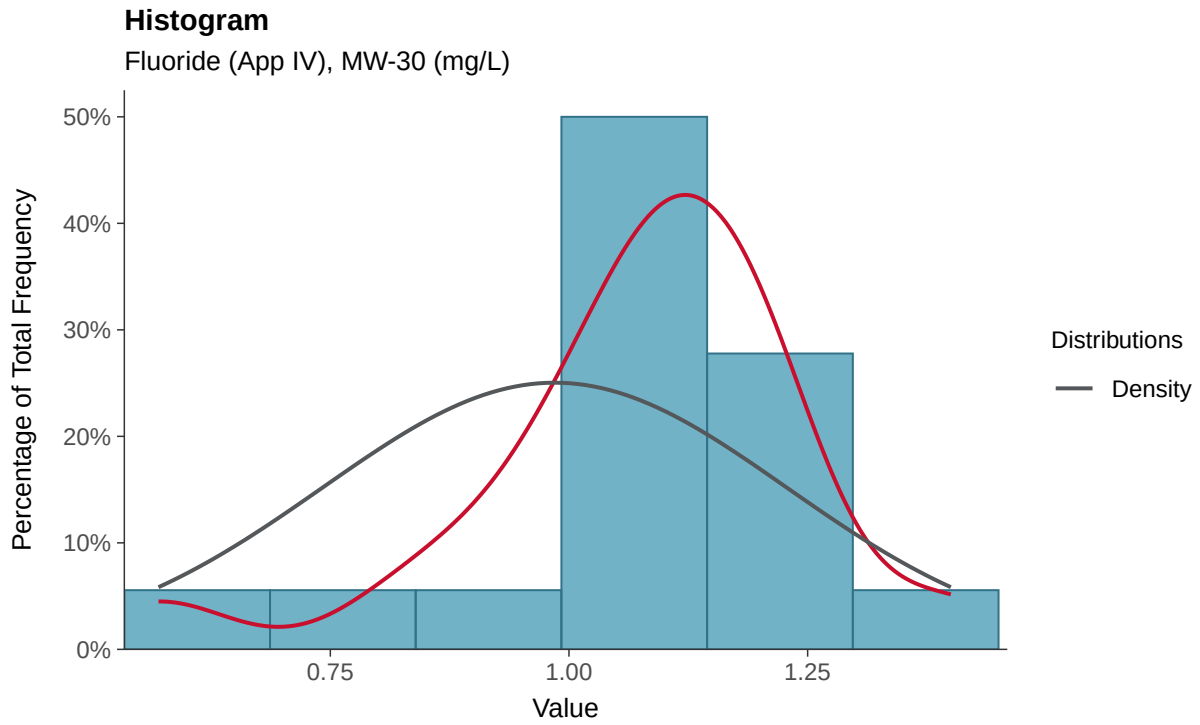
Cobalt, MW-30 (mg/L)



Appendix IV: Fluoride (App IV), MW-30

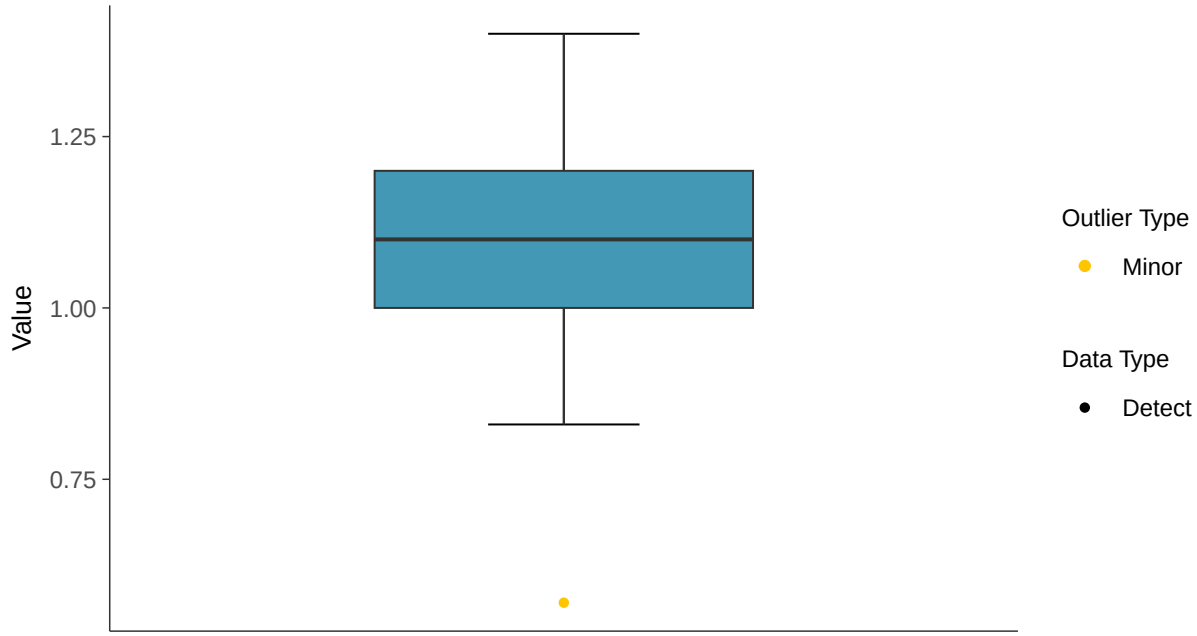
ID: 40_1_4_113





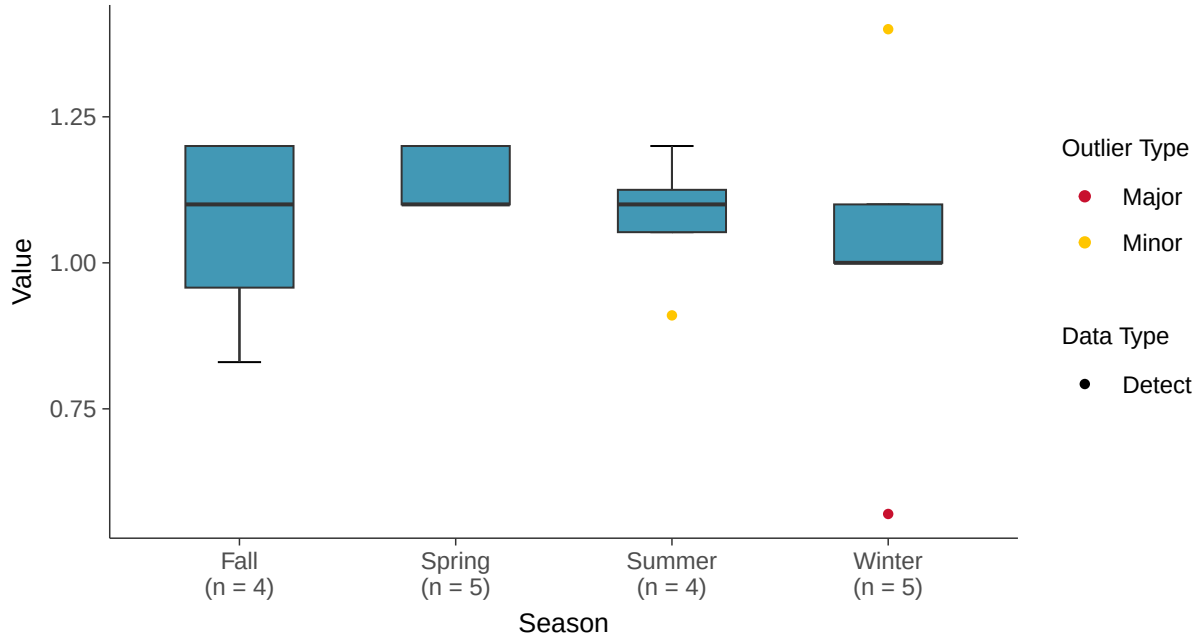
Boxplot

Fluoride (App IV), MW-30 (mg/L)



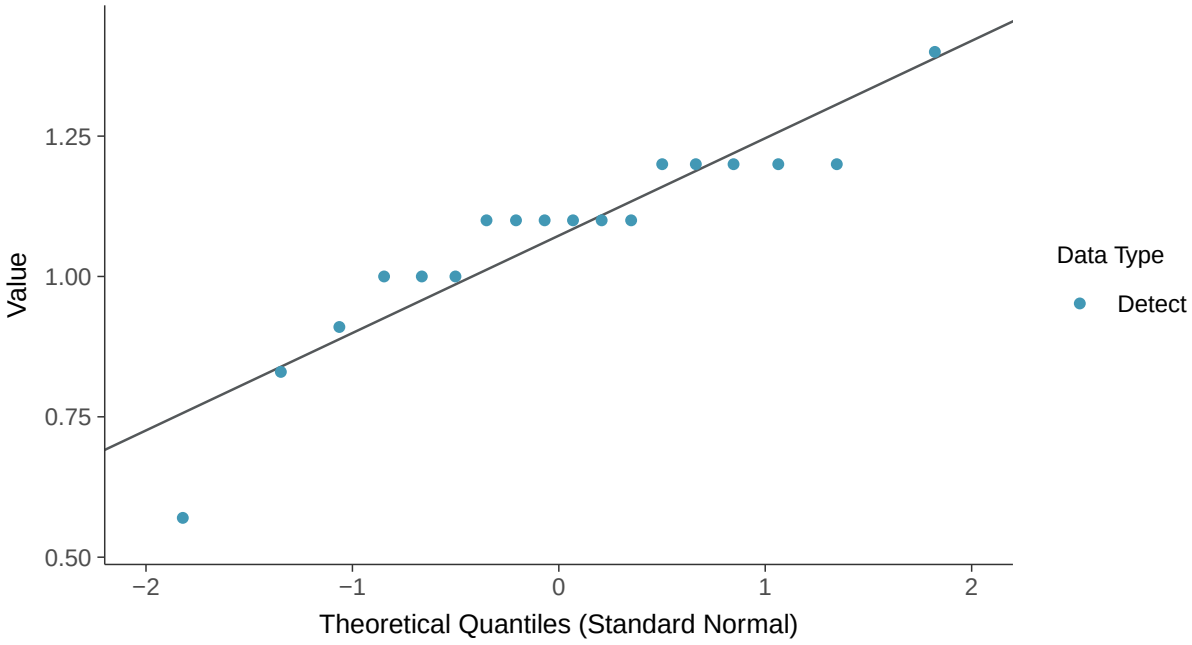
Boxplot by Season

Fluoride (App IV), MW-30 (mg/L)



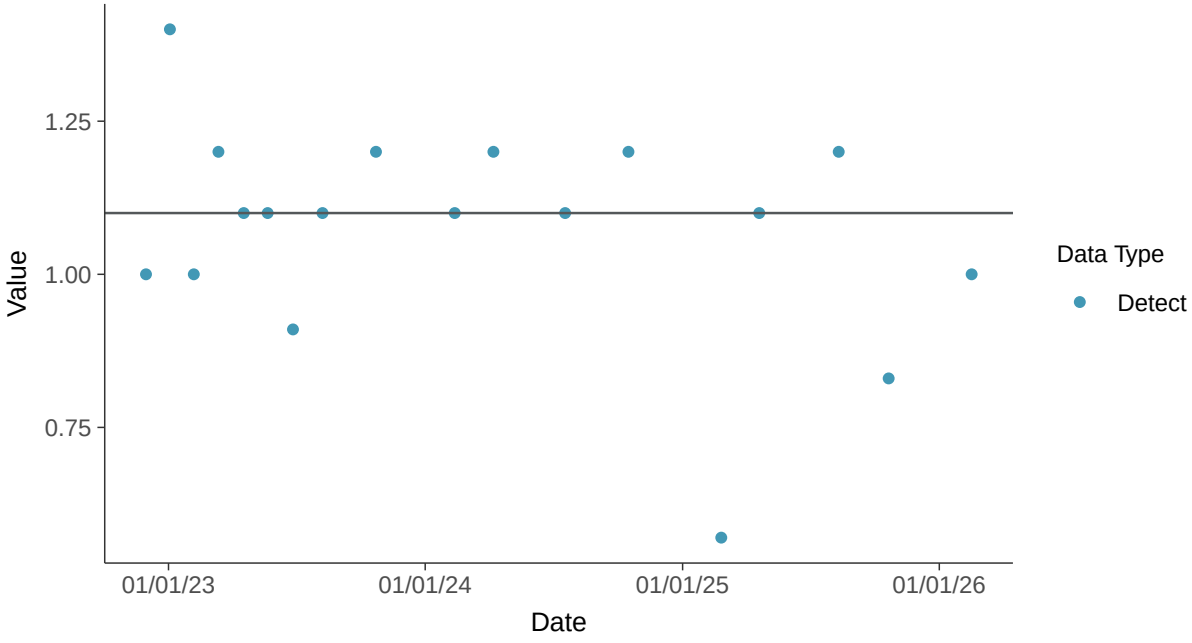
Normal Q-Q plot

Fluoride (App IV), MW-30 (mg/L)



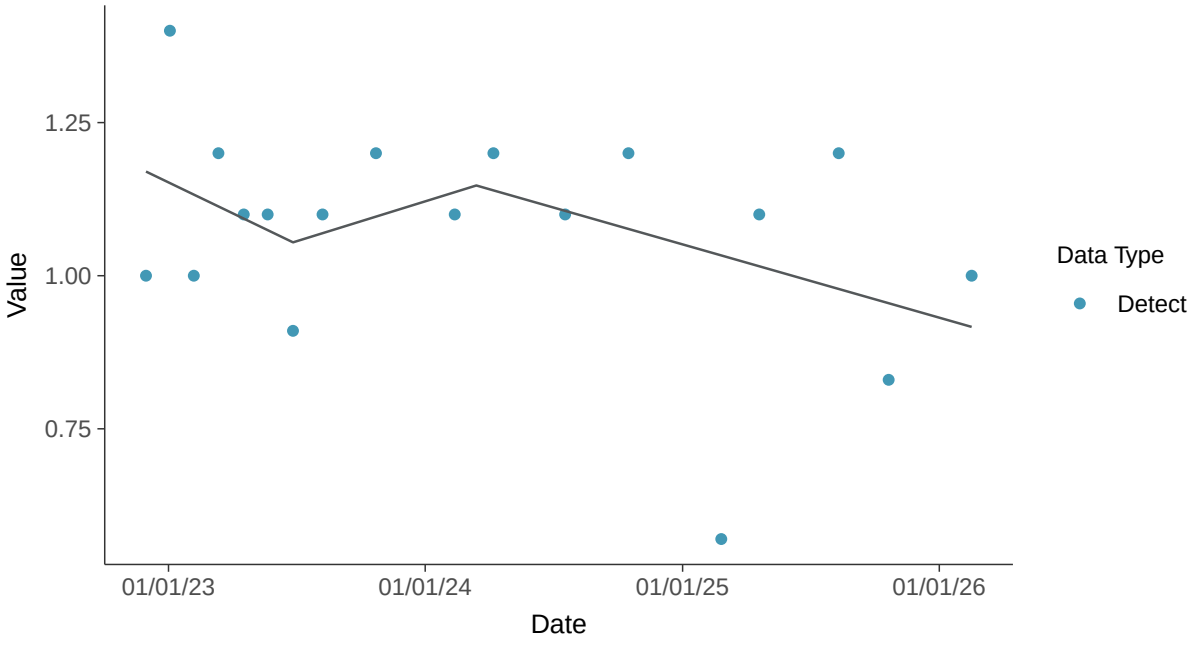
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride (App IV), MW-30 (mg/L)



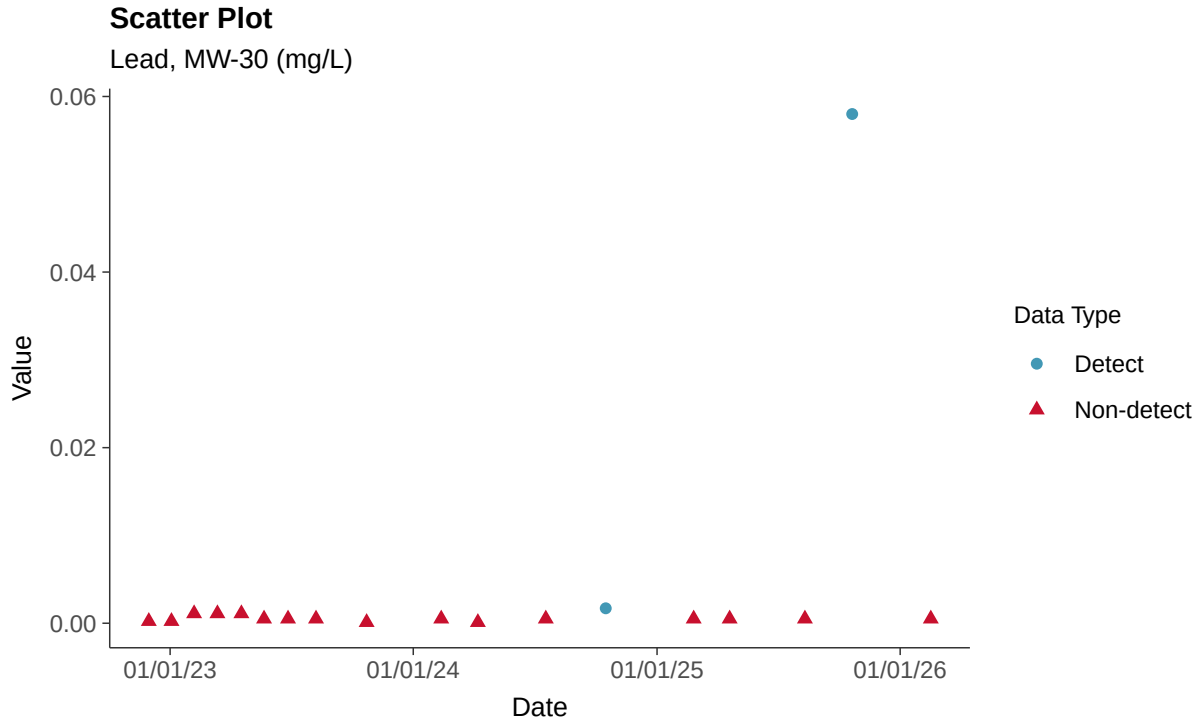
Trend Regression: Piecewise Linear-Linear-Linear

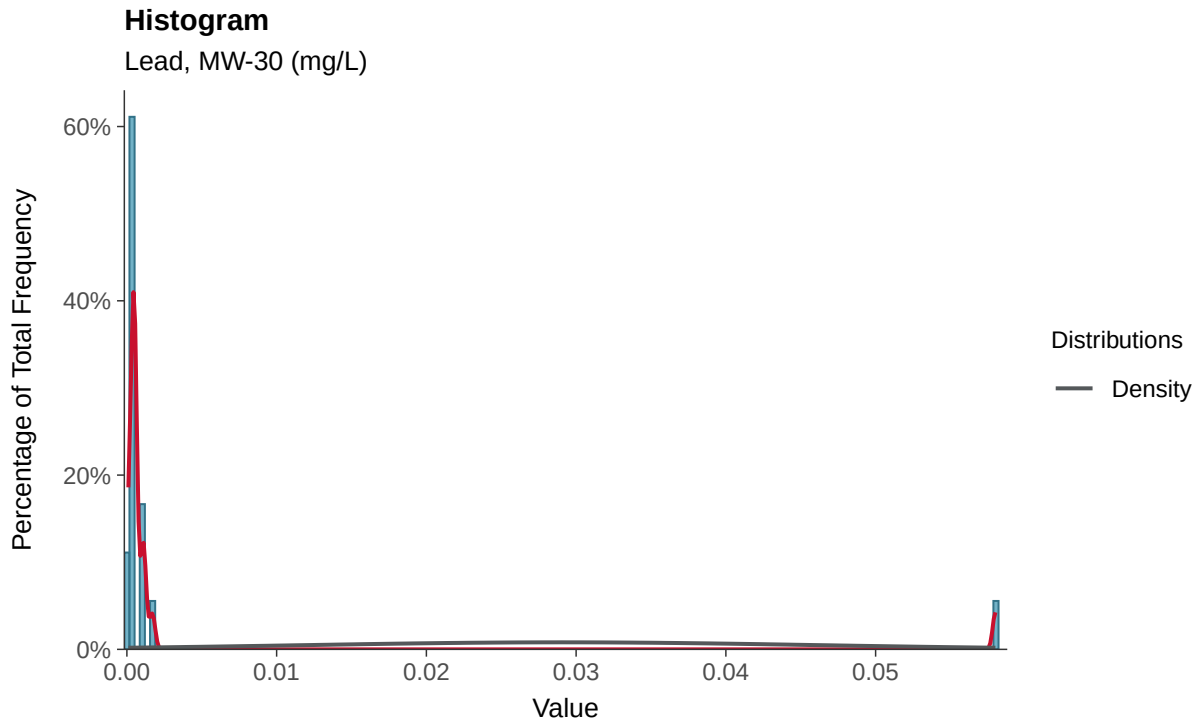
Fluoride (App IV), MW-30 (mg/L)



Appendix IV: Lead, MW-30

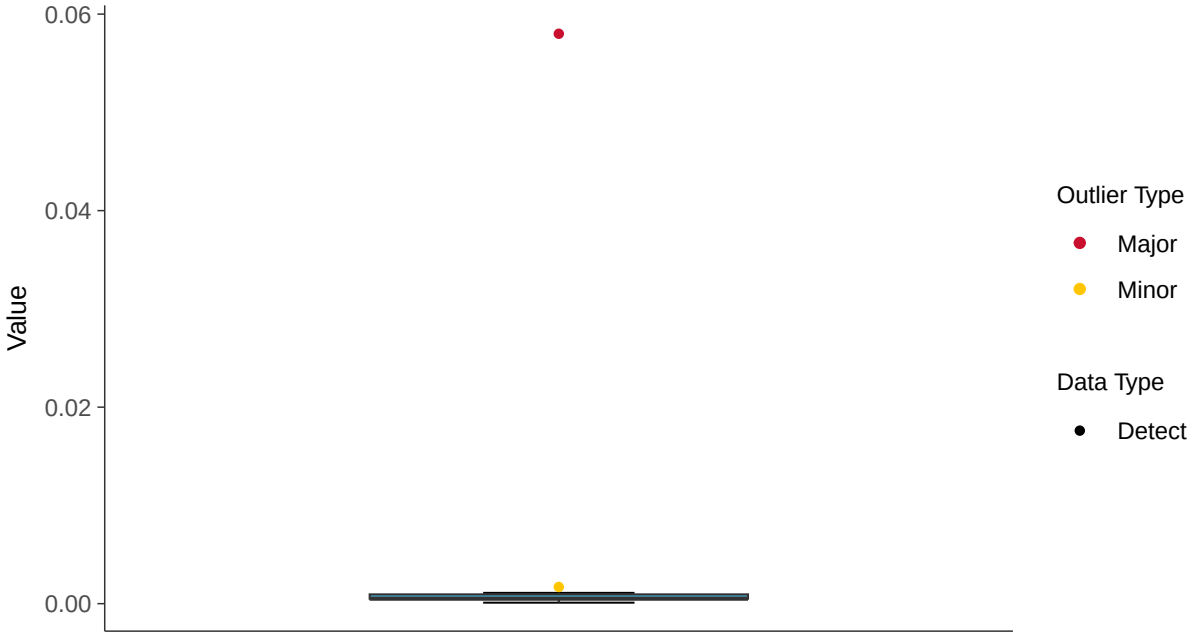
ID: 40_1_4_115





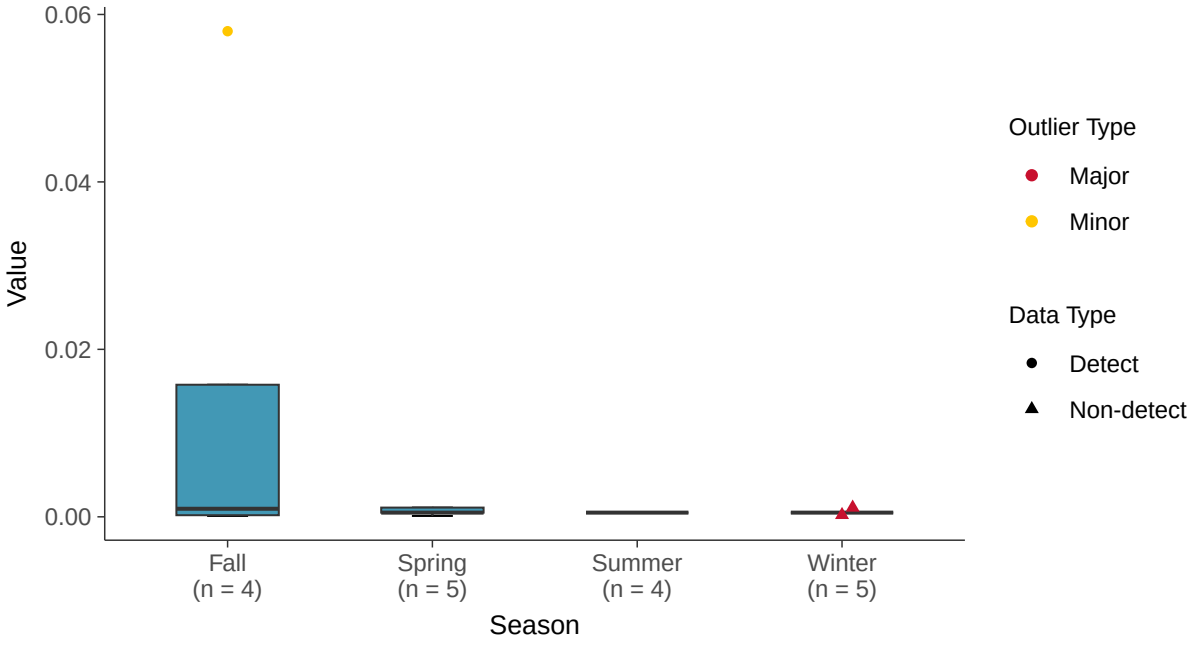
Boxplot

Lead, MW-30 (mg/L)



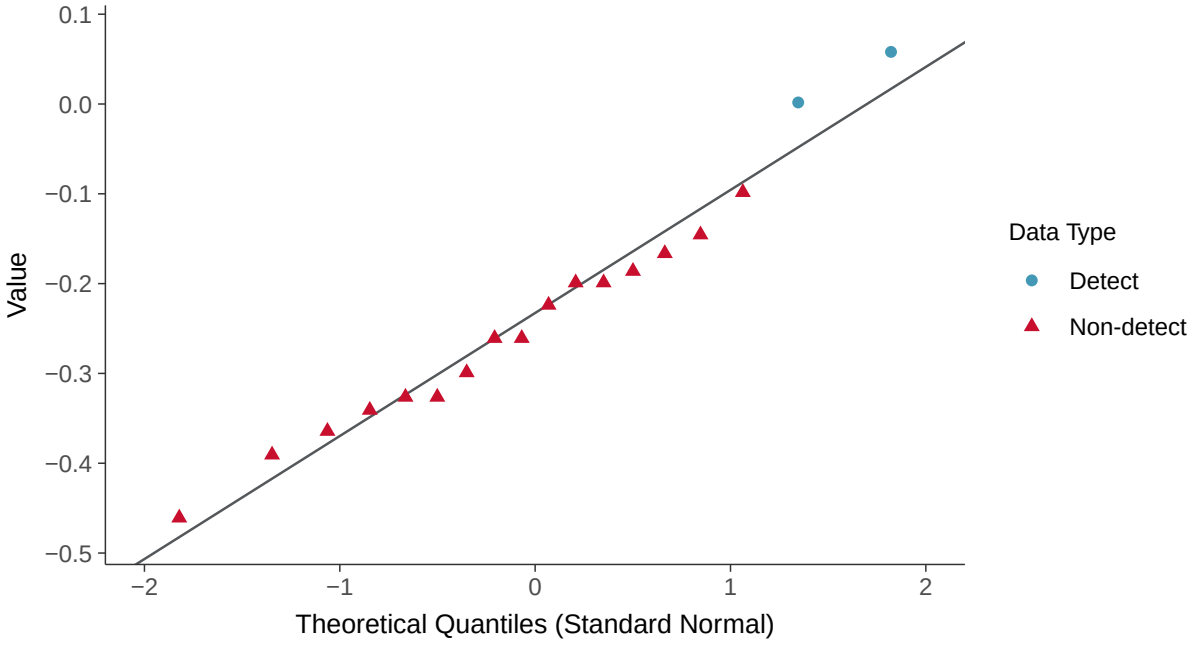
Boxplot by Season

Lead, MW-30 (mg/L)



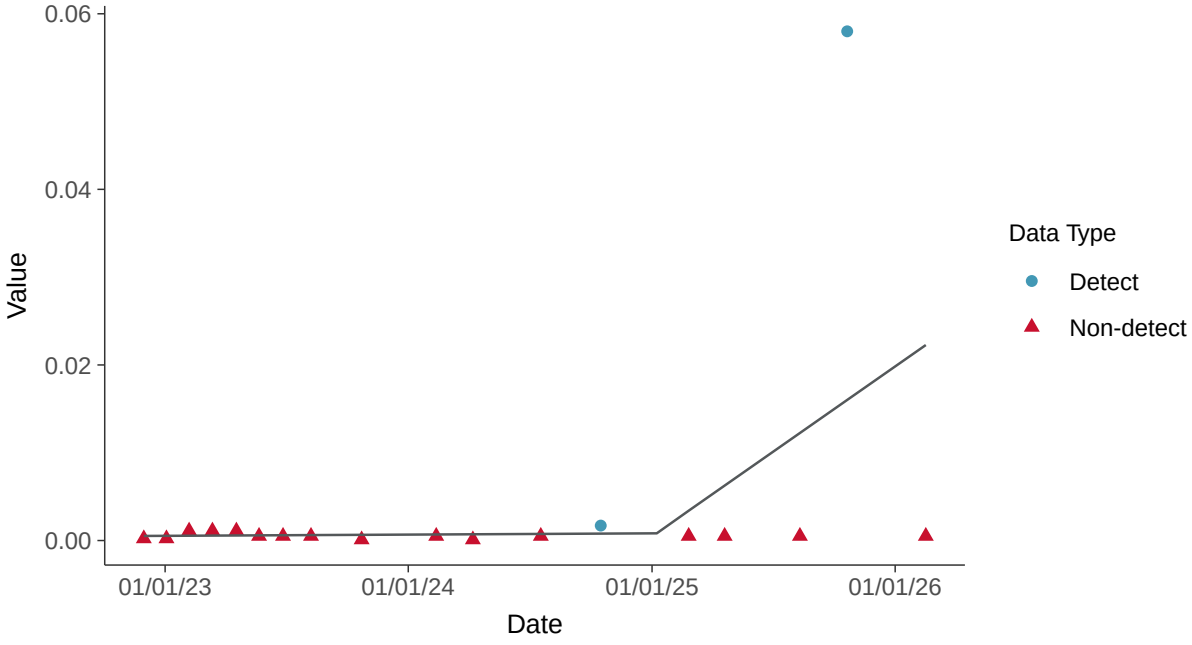
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-30 (mg/L)



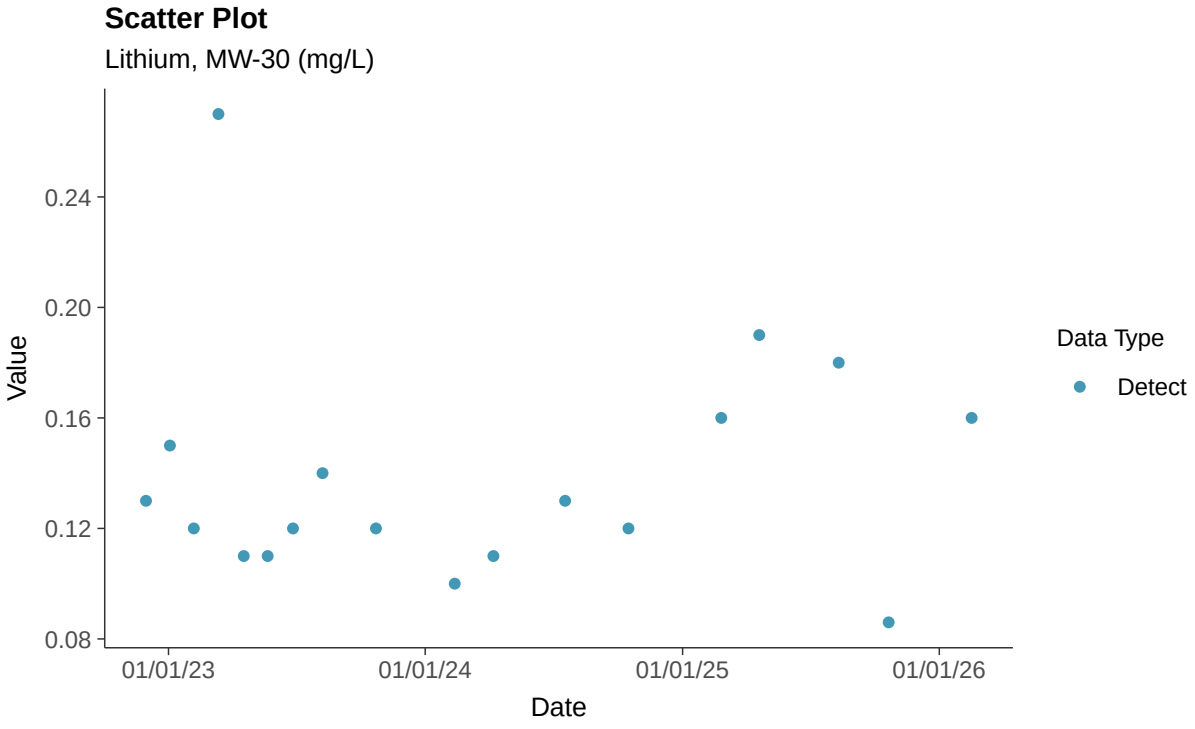
Trend Regression: Piecewise Linear-Linear

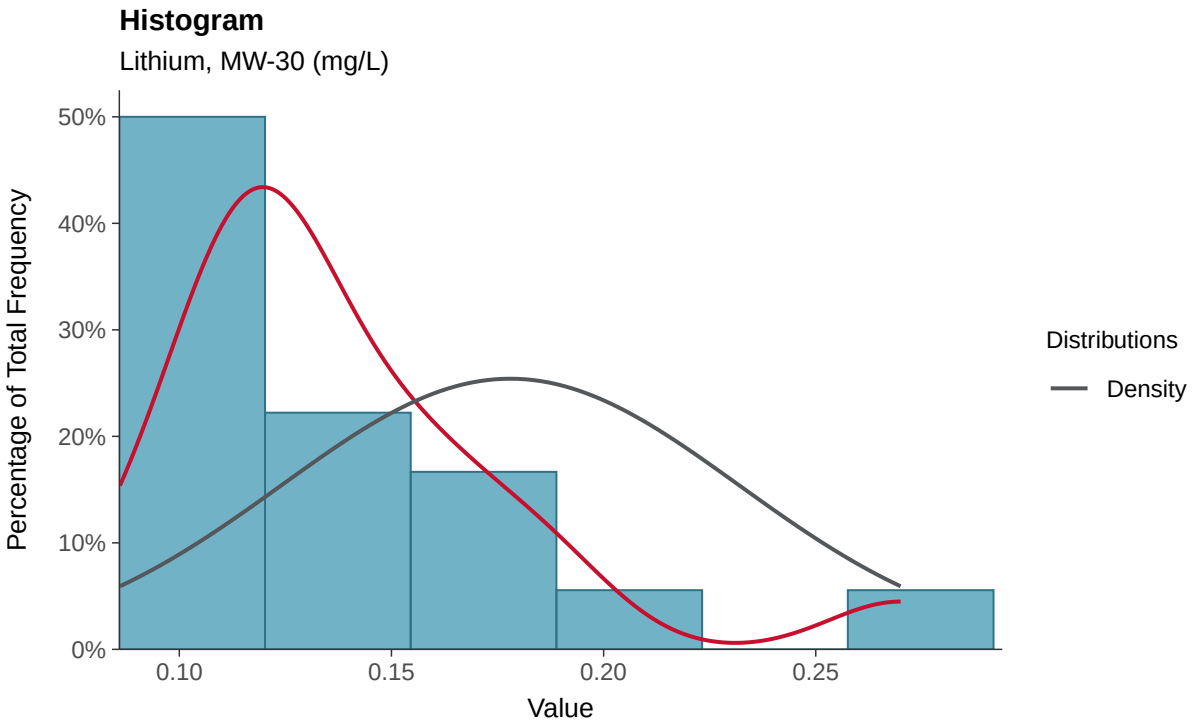
Lead, MW-30 (mg/L)



Appendix IV: Lithium, MW-30

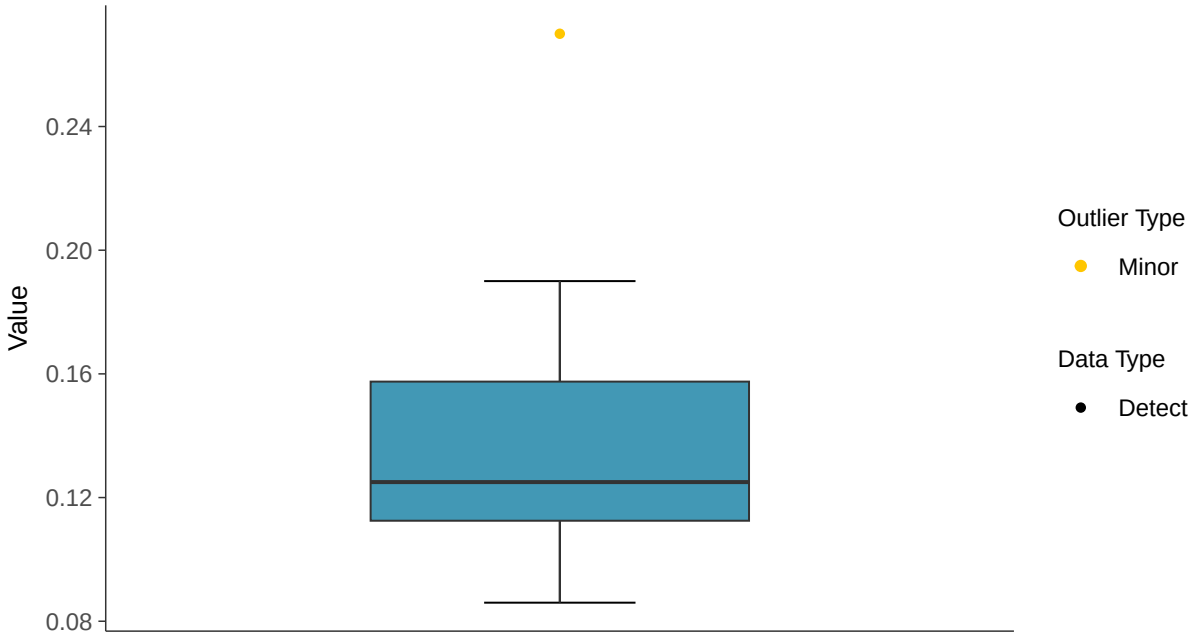
ID: 40_1_4_116





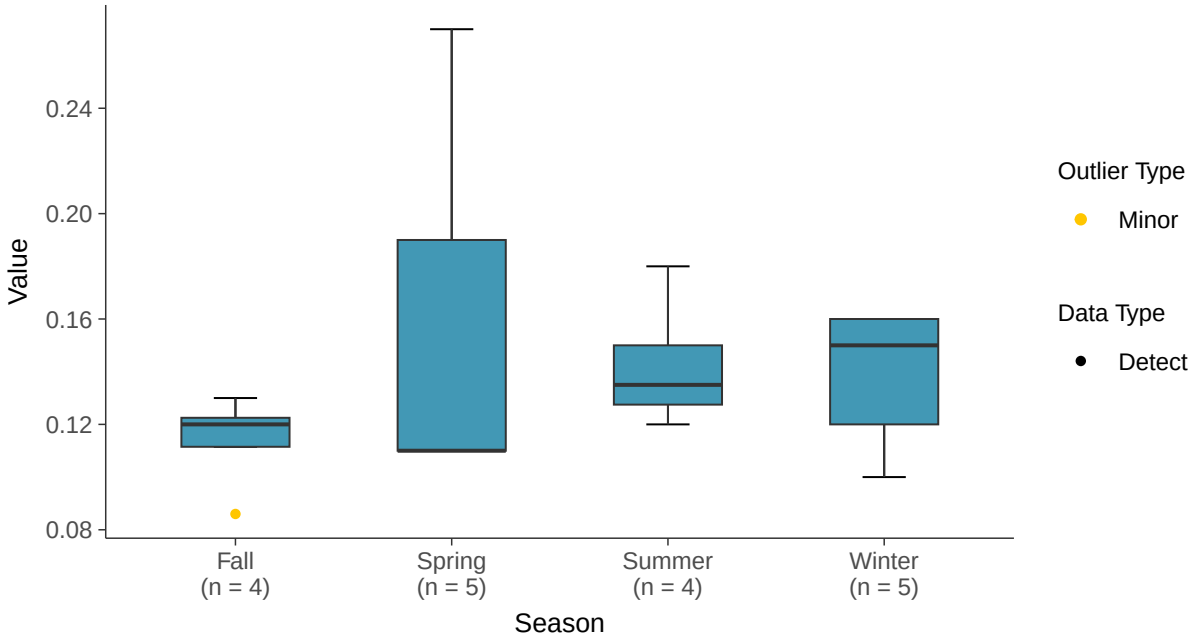
Boxplot

Lithium, MW-30 (mg/L)



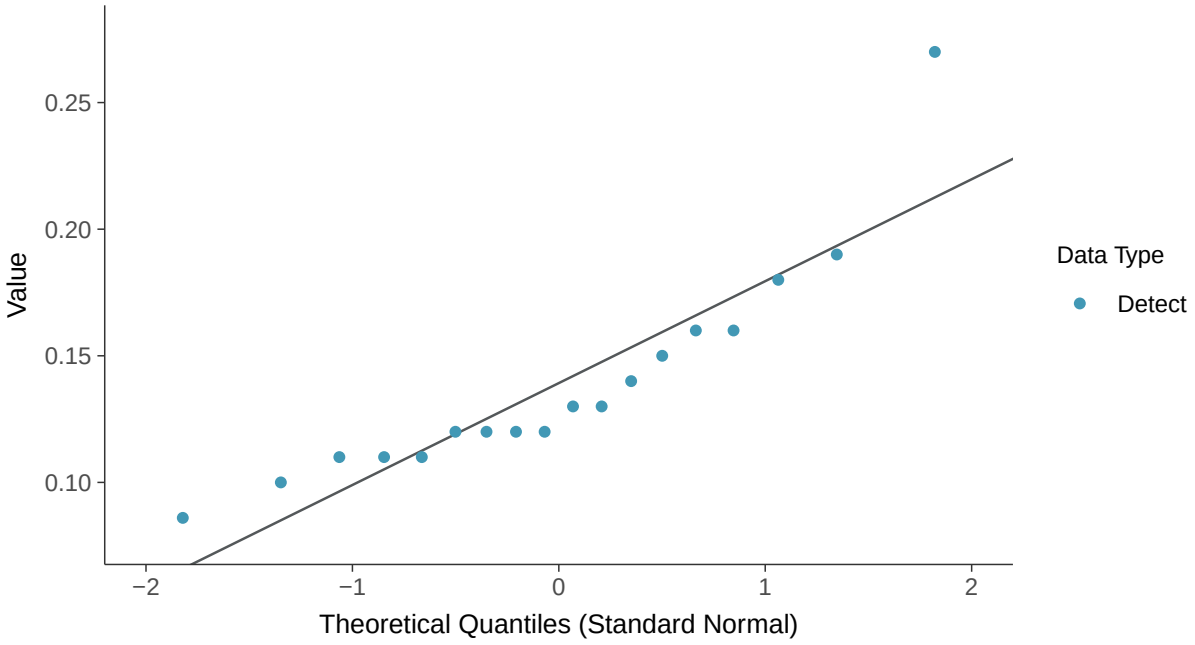
Boxplot by Season

Lithium, MW-30 (mg/L)



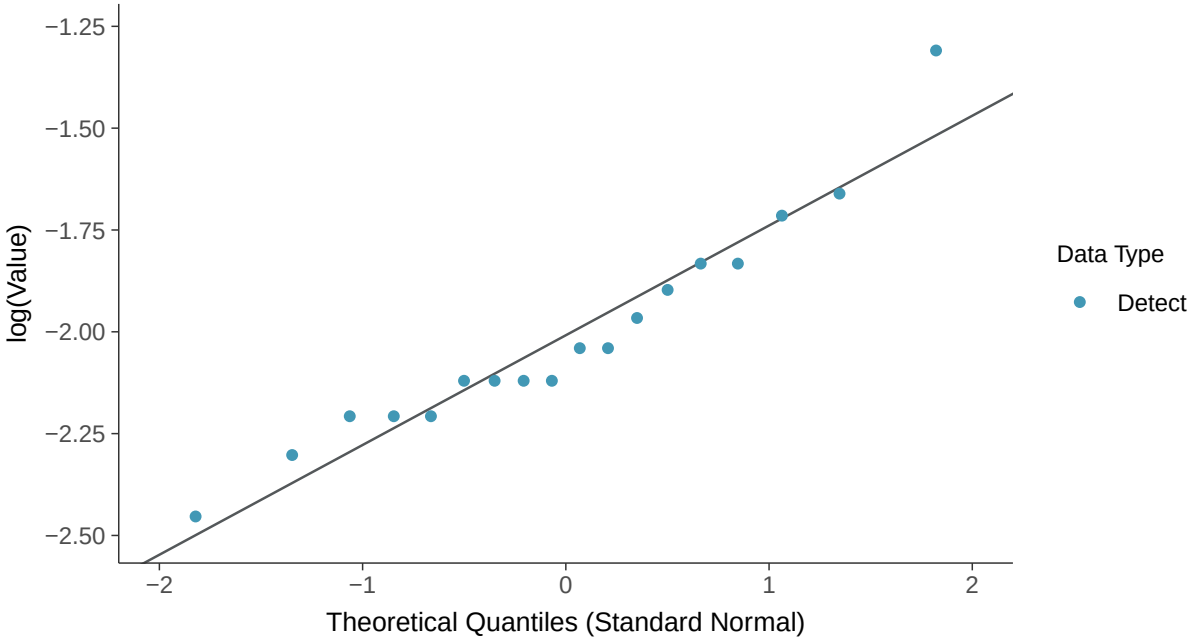
Normal Q-Q plot

Lithium, MW-30 (mg/L)



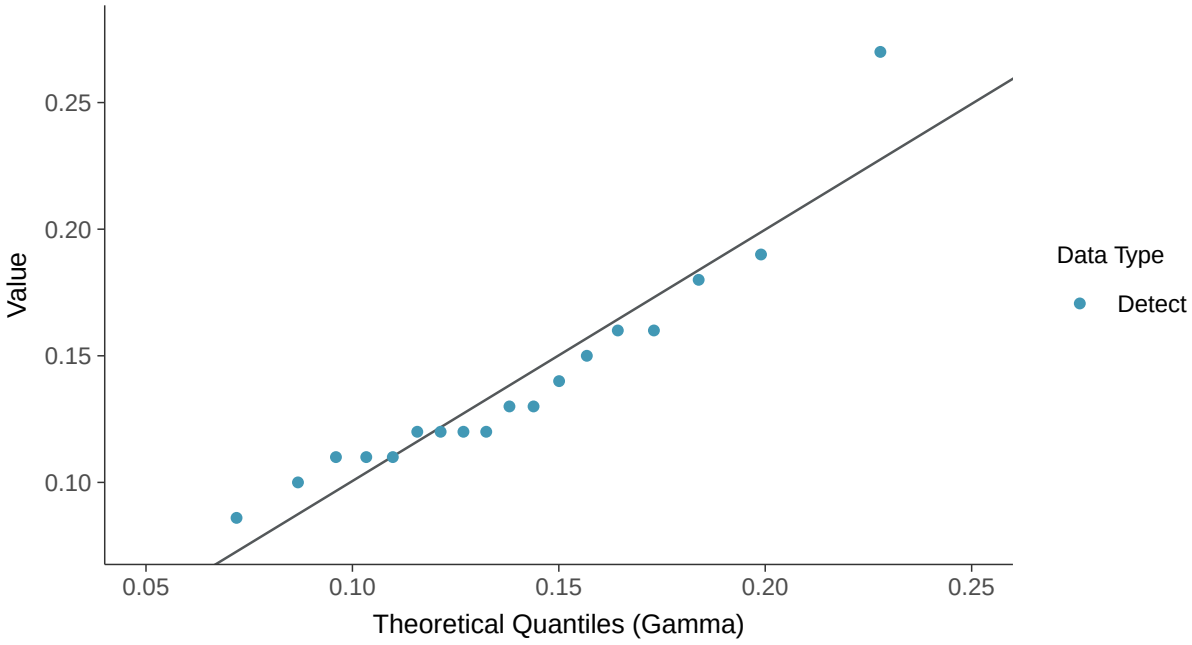
Lognormal Q-Q plot

Lithium, MW-30 (mg/L)



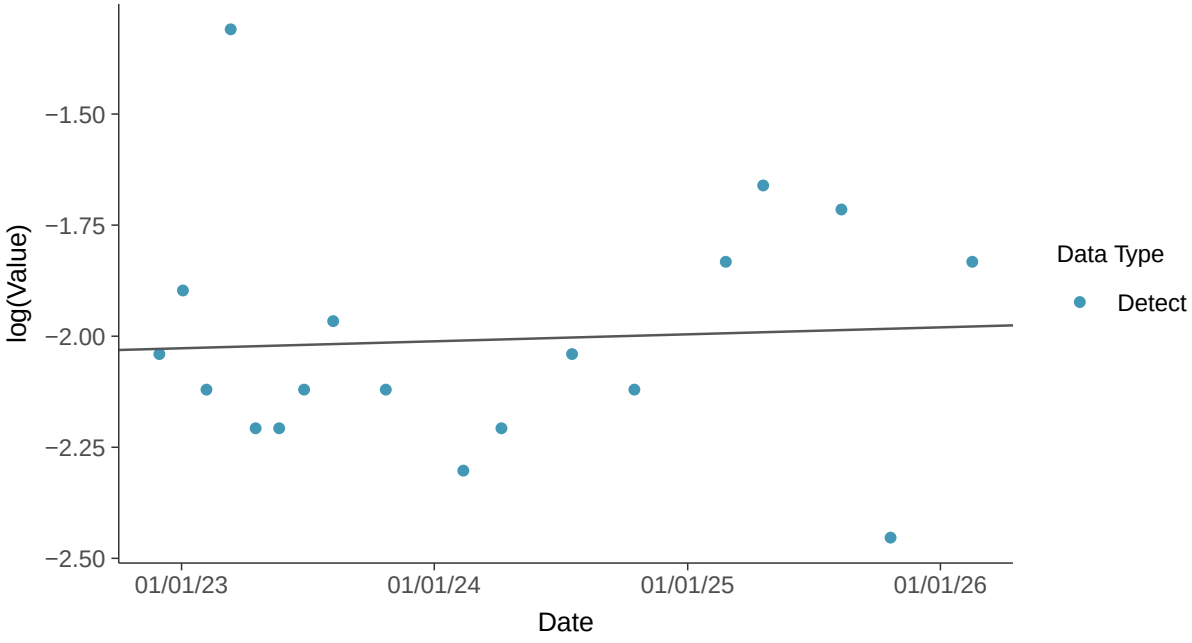
Gamma Q-Q plot

Lithium, MW-30 (mg/L)



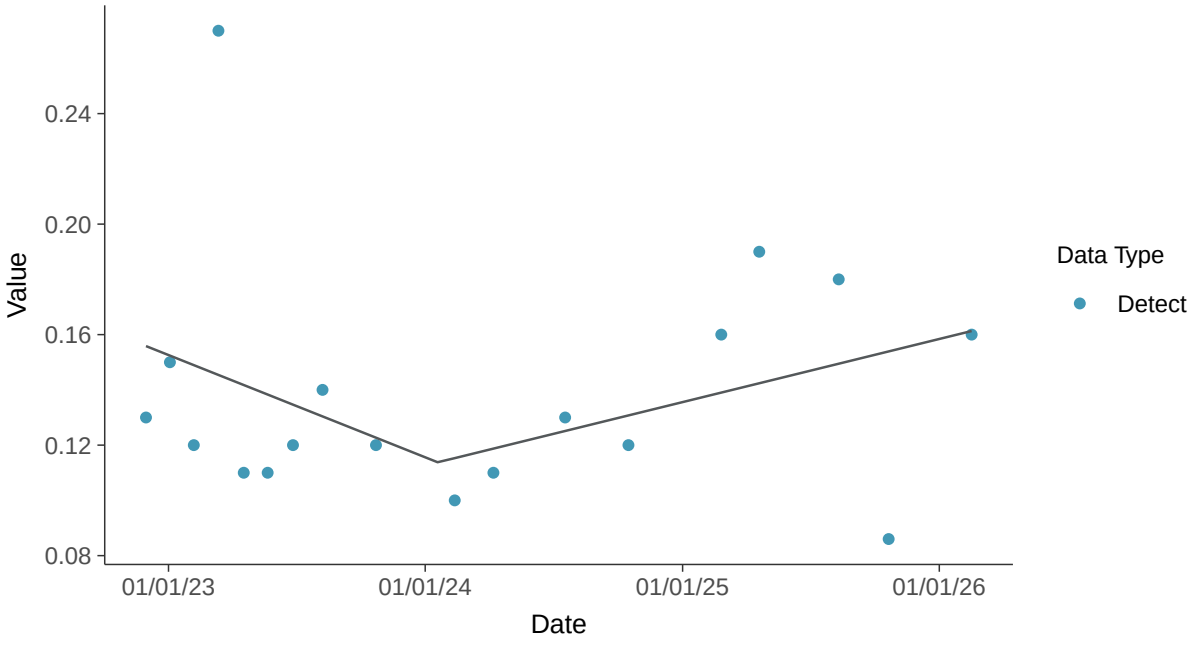
Trend Regression: Lognormal MLE

Lithium, MW-30 (mg/L)



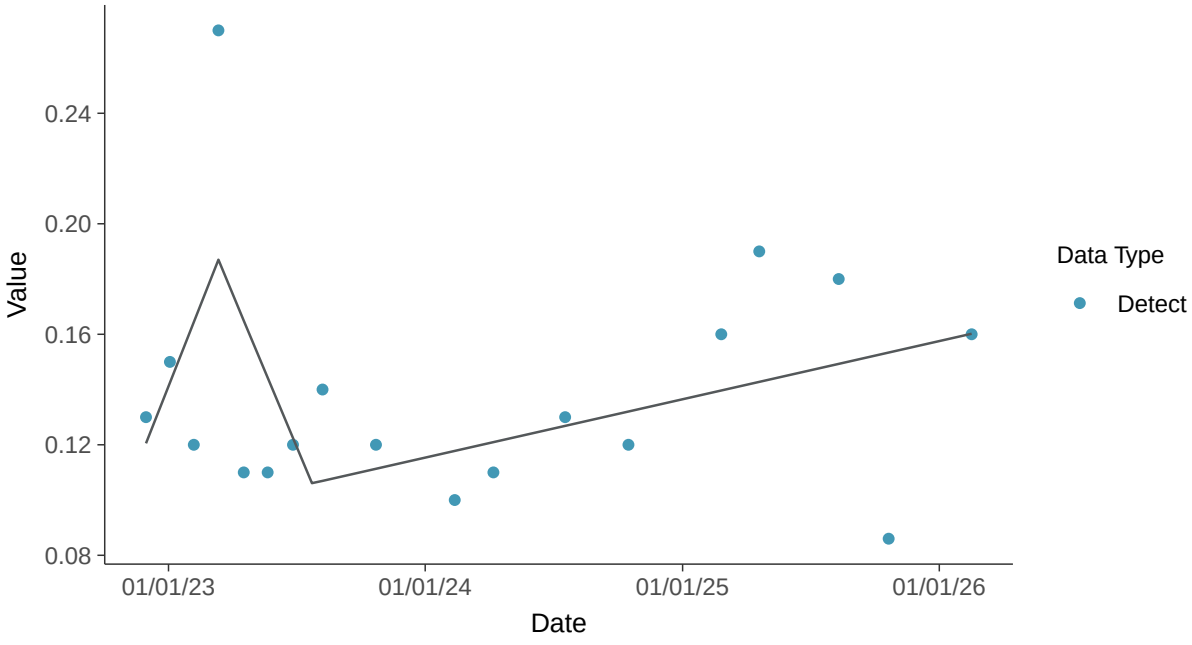
Trend Regression: Piecewise Linear-Linear

Lithium, MW-30 (mg/L)



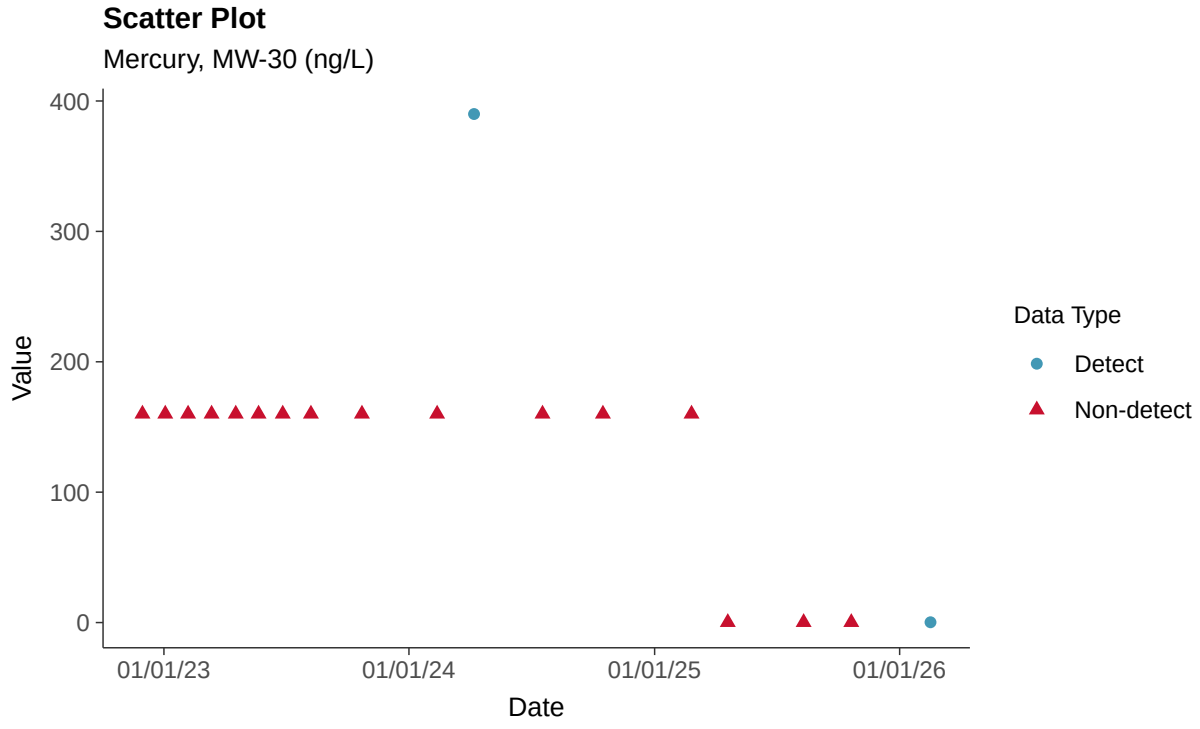
Trend Regression: Piecewise Linear-Linear-Linear

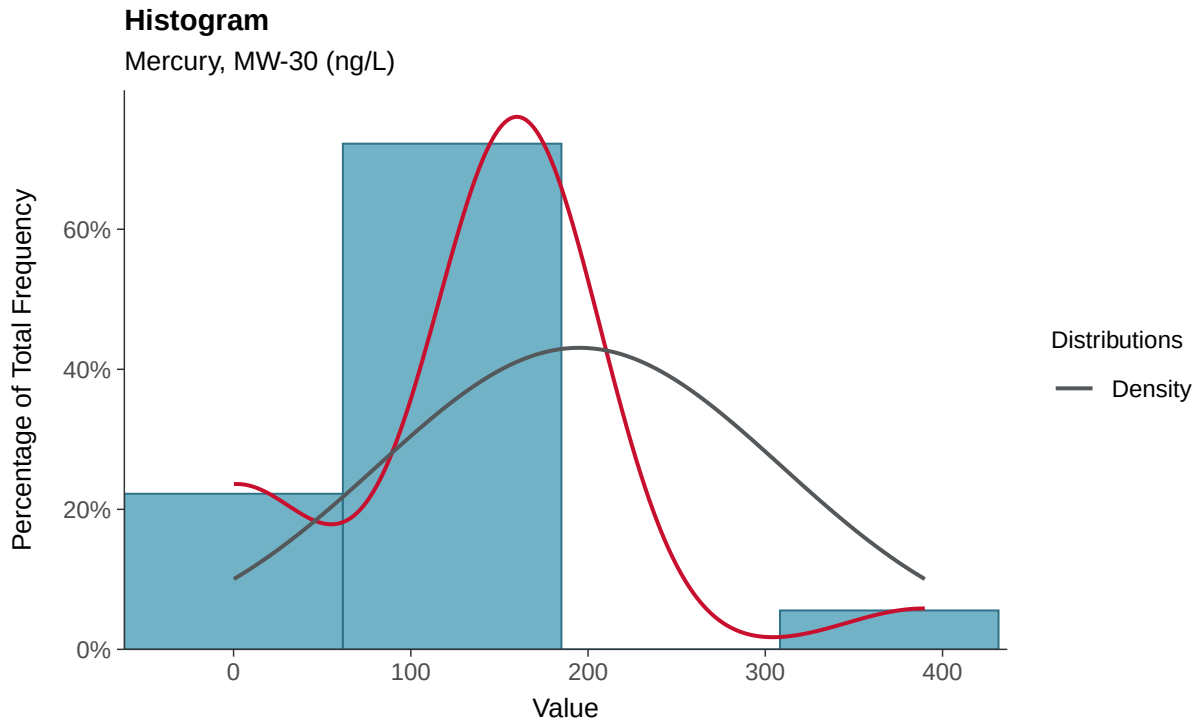
Lithium, MW-30 (mg/L)



Appendix IV: Mercury, MW-30

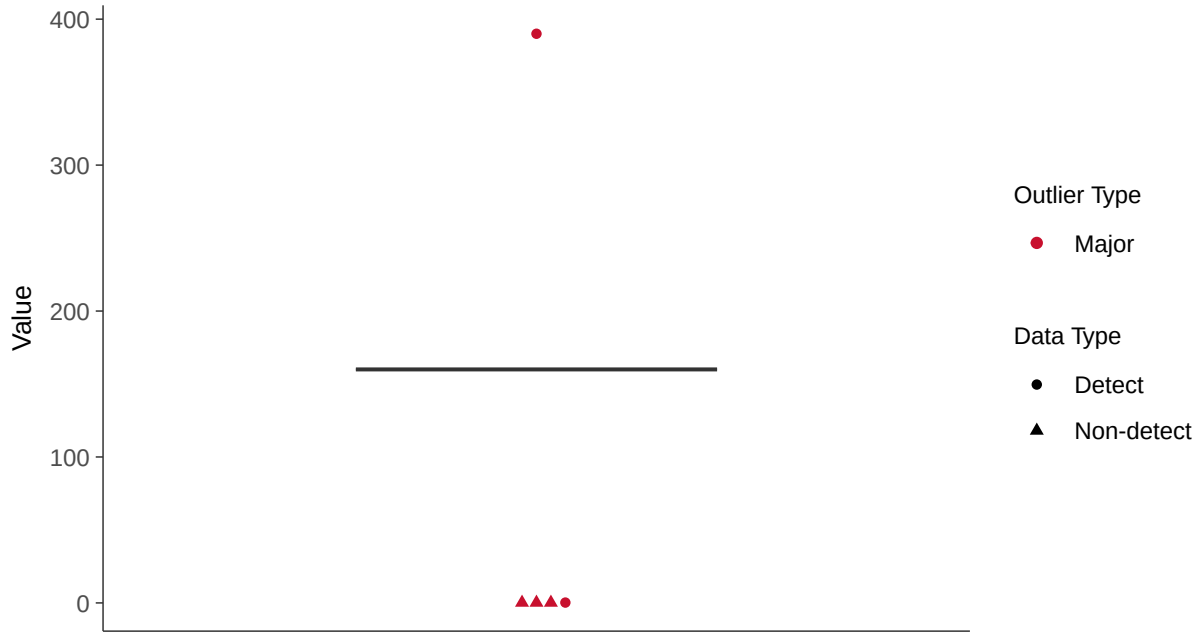
ID: 40_1_4_117





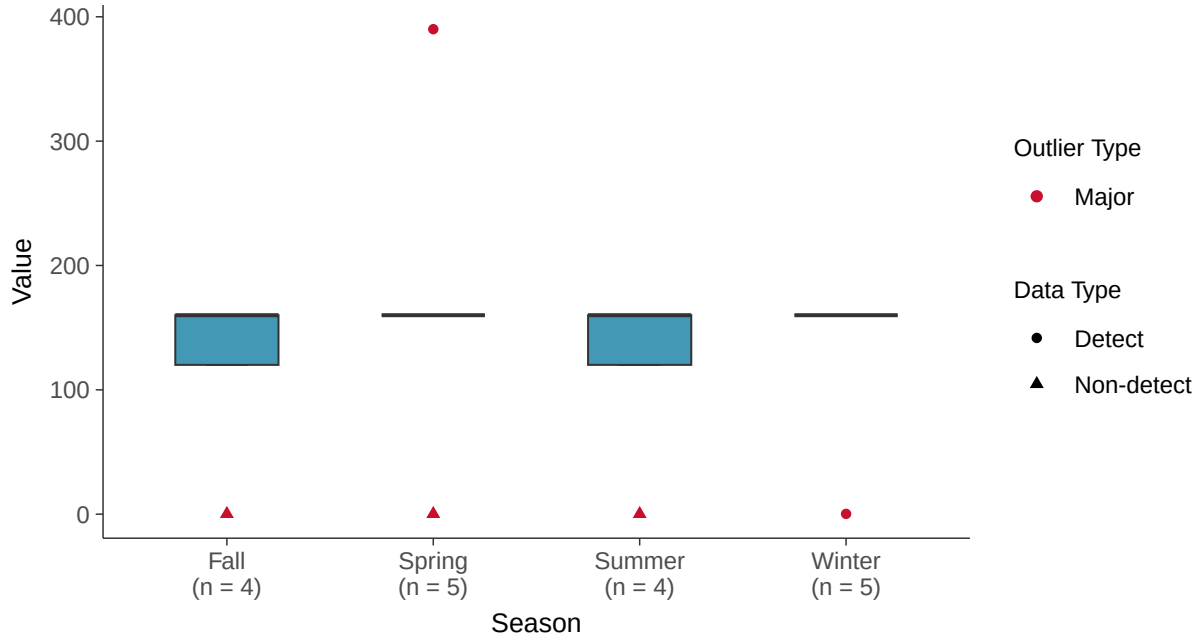
Boxplot

Mercury, MW-30 (ng/L)



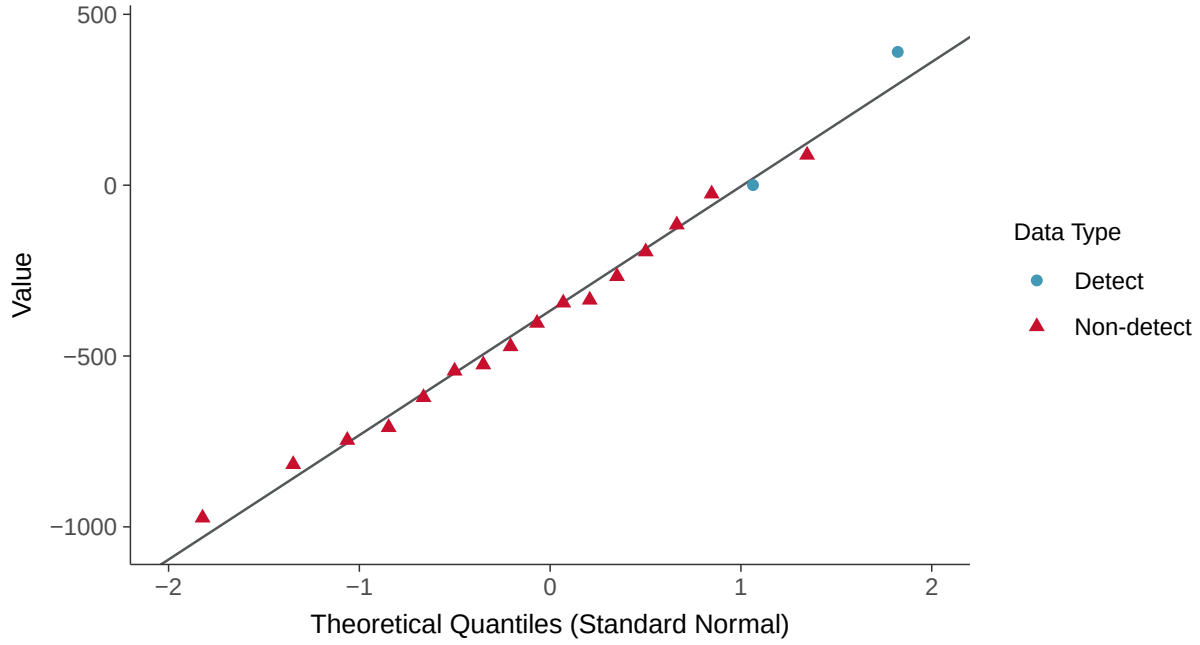
Boxplot by Season

Mercury, MW-30 (ng/L)



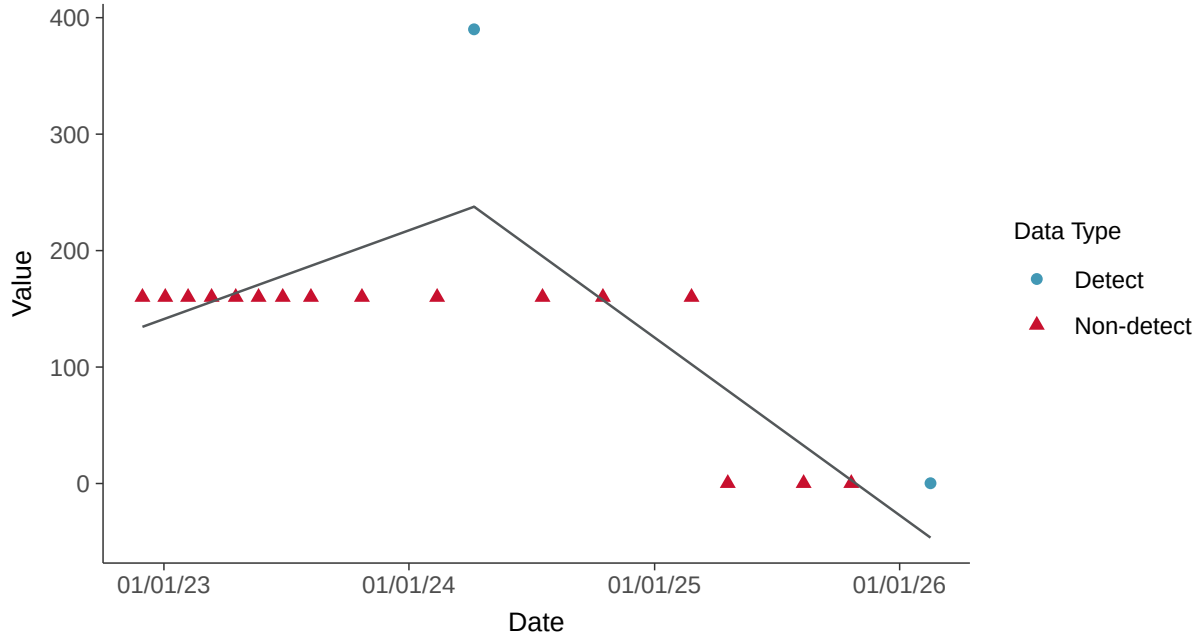
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-30 (ng/L)



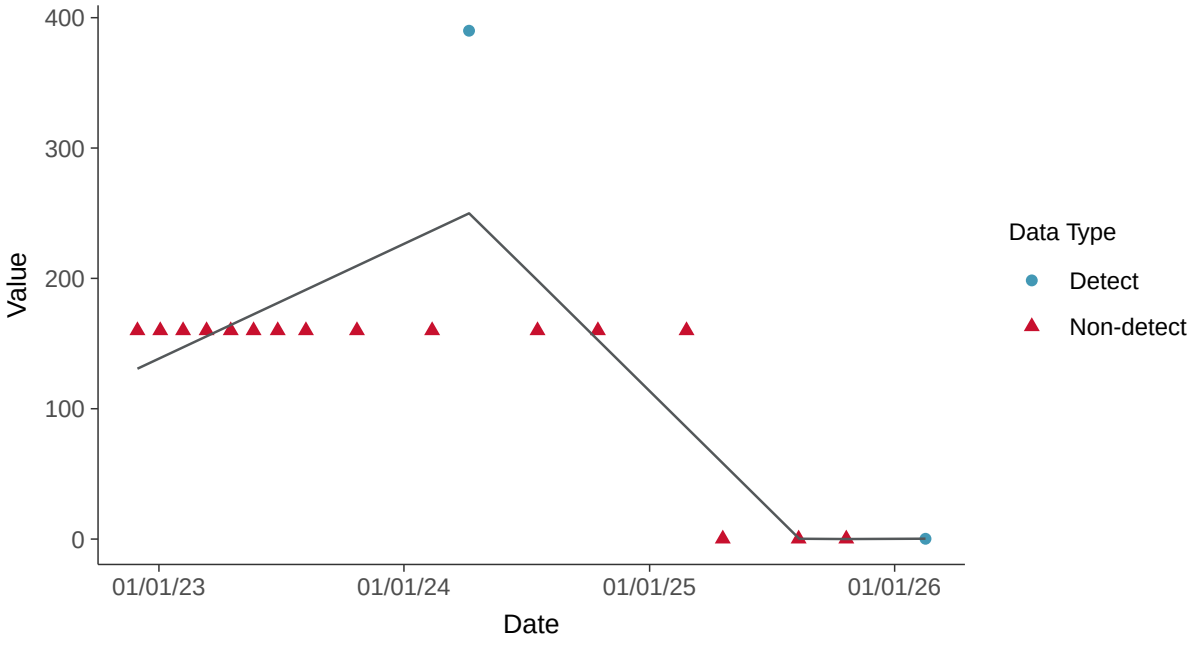
Trend Regression: Piecewise Linear-Linear

Mercury, MW-30 (ng/L)



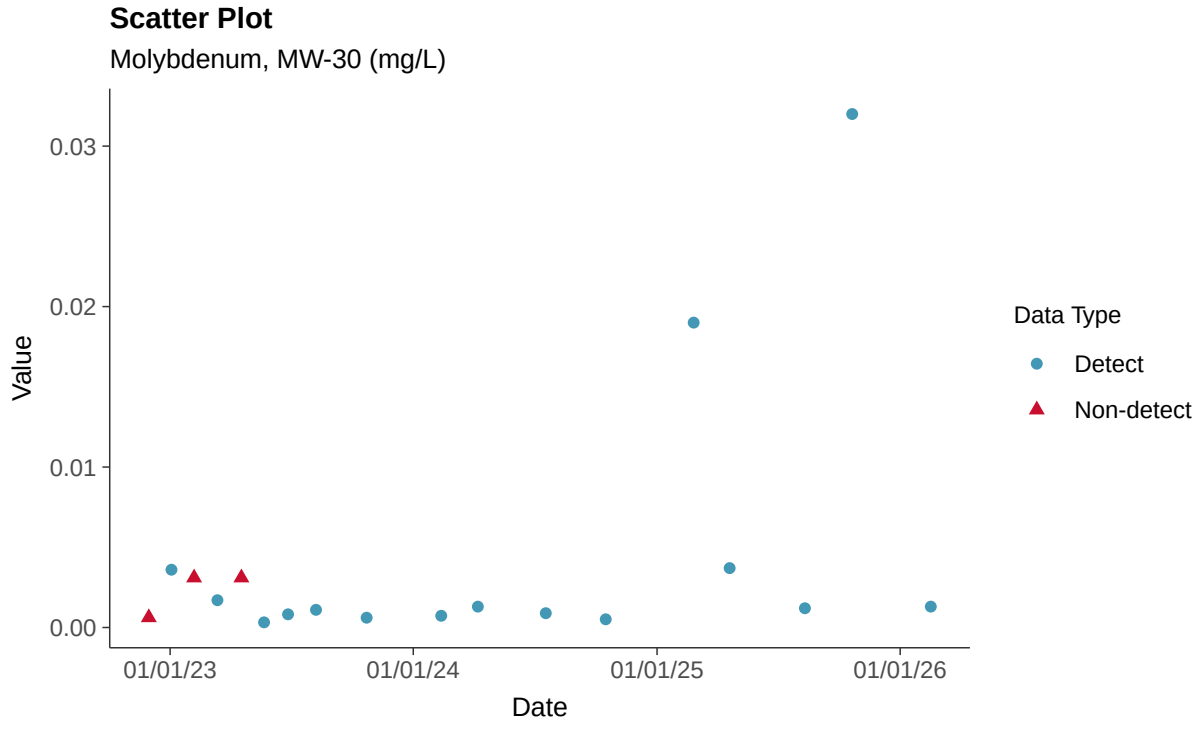
Trend Regression: Piecewise Linear-Linear-Linear

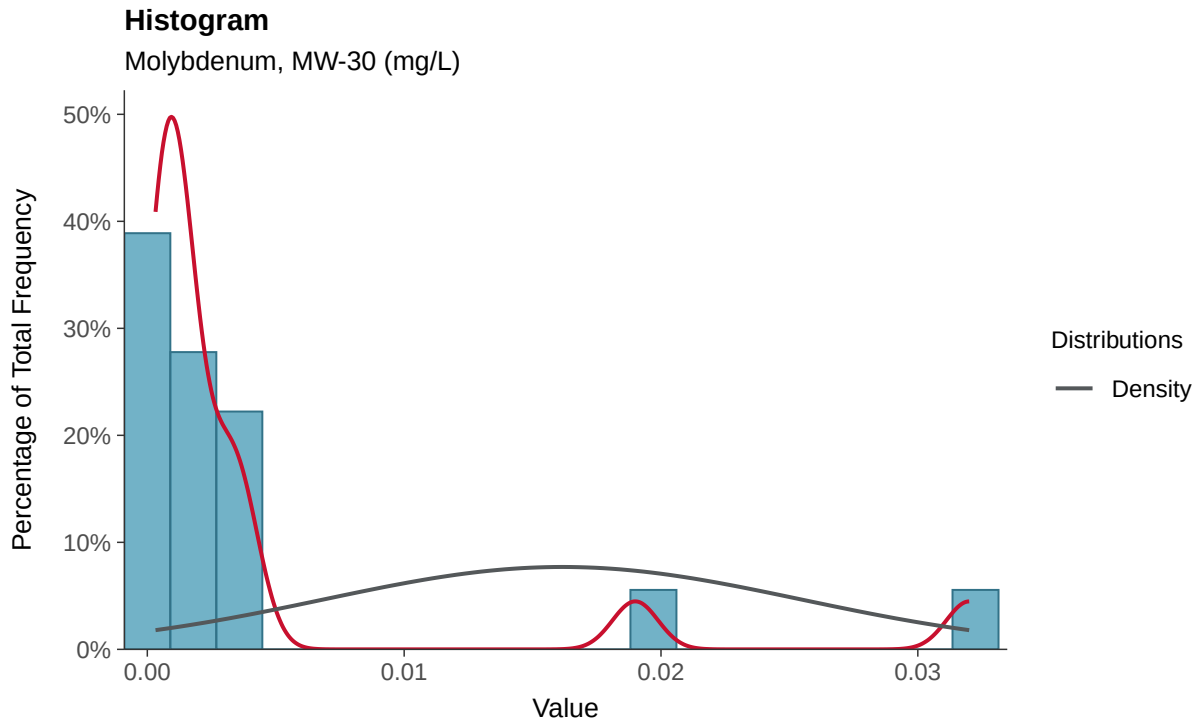
Mercury, MW-30 (ng/L)



Appendix IV: Molybdenum, MW-30

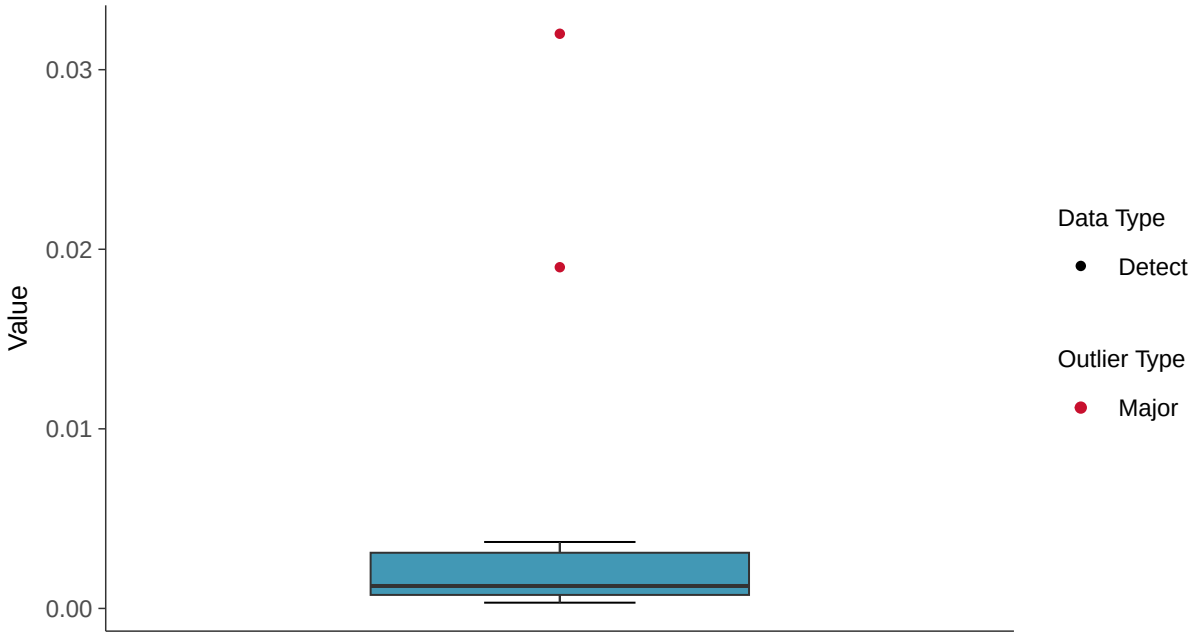
ID: 40_1_4_118





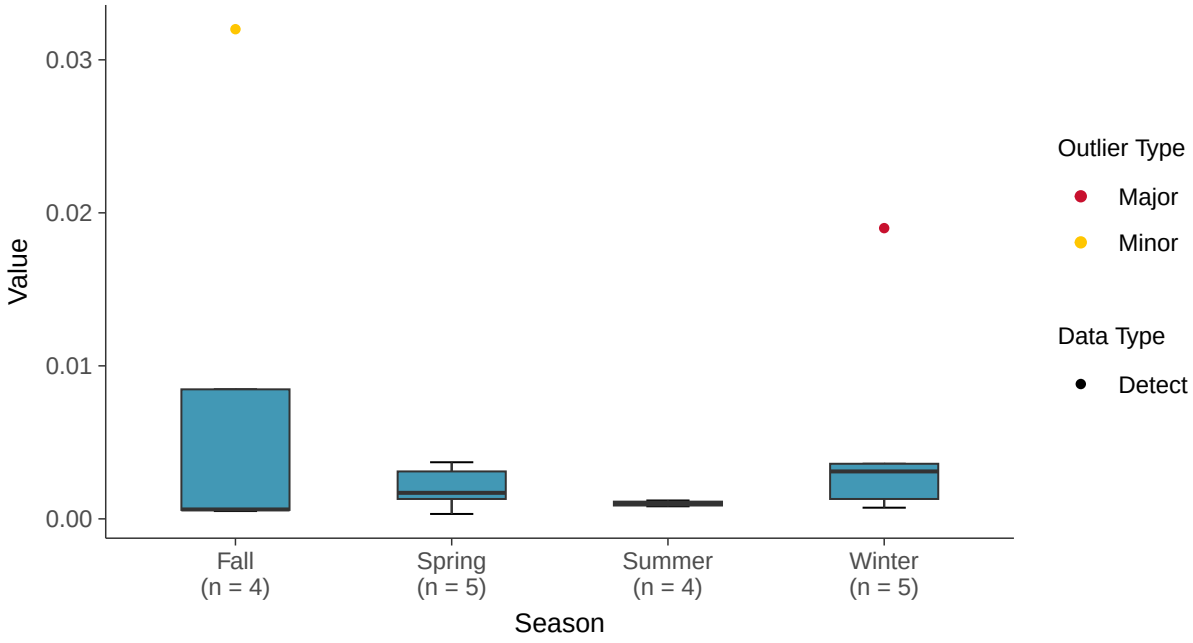
Boxplot

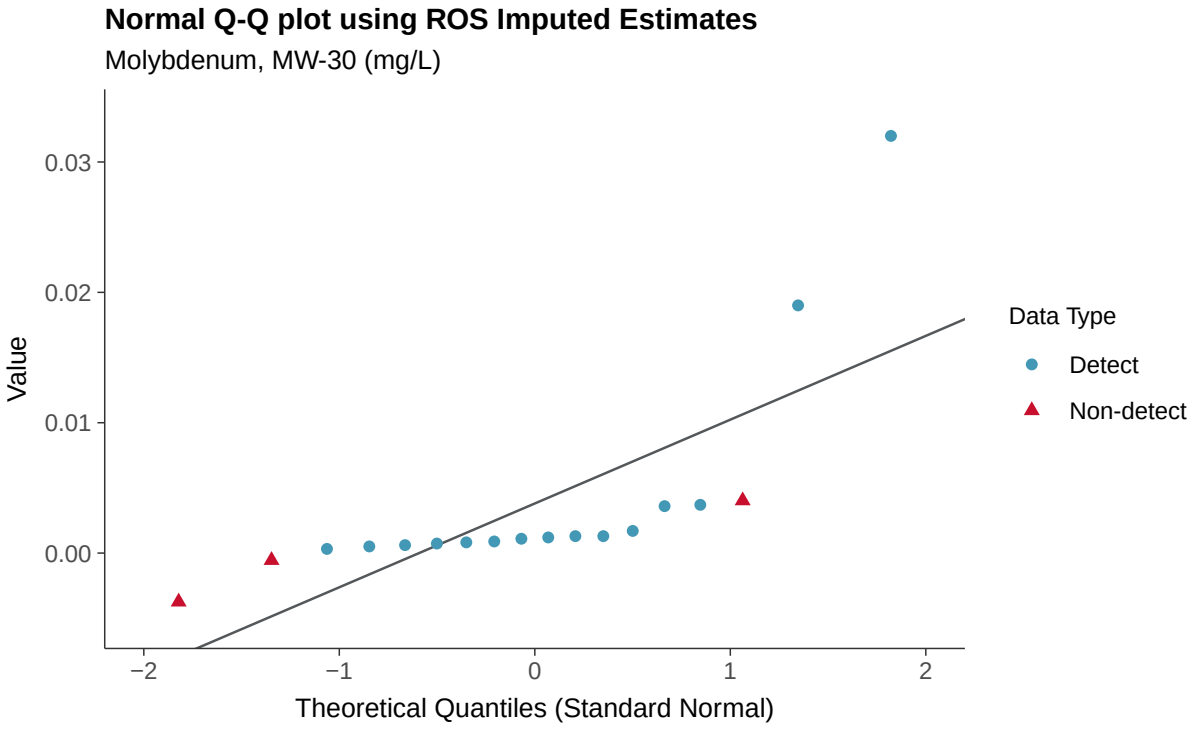
Molybdenum, MW-30 (mg/L)



Boxplot by Season

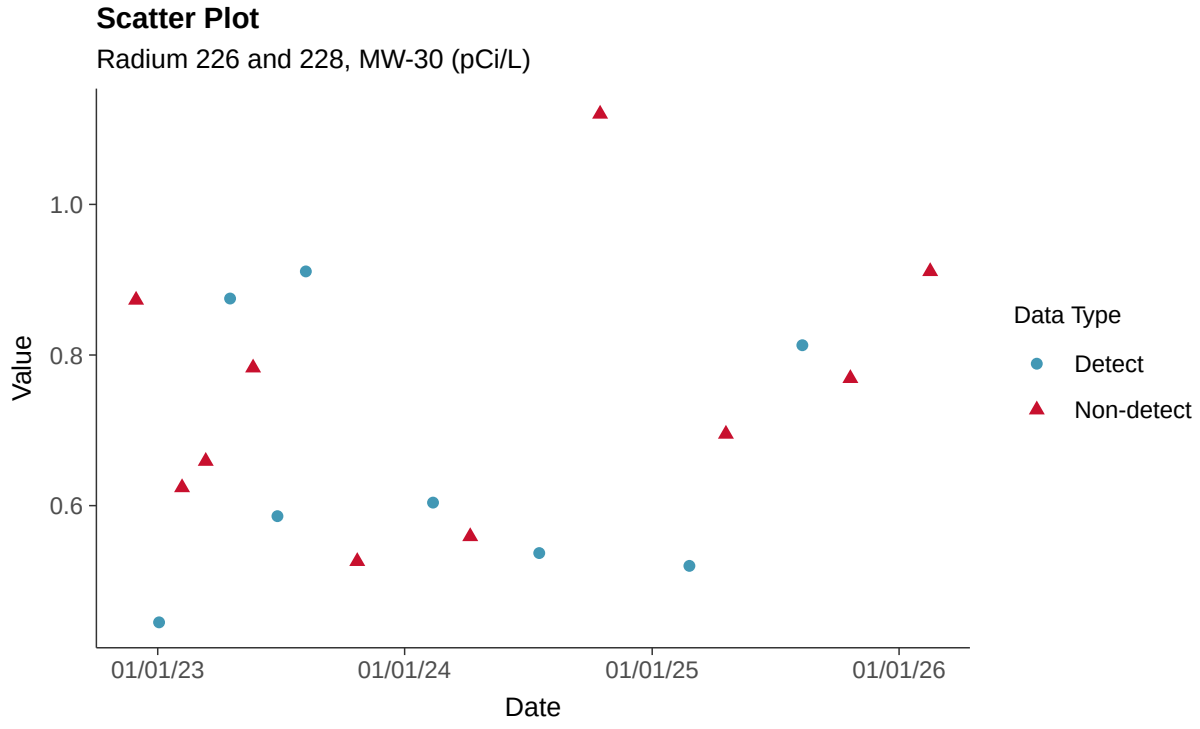
Molybdenum, MW-30 (mg/L)

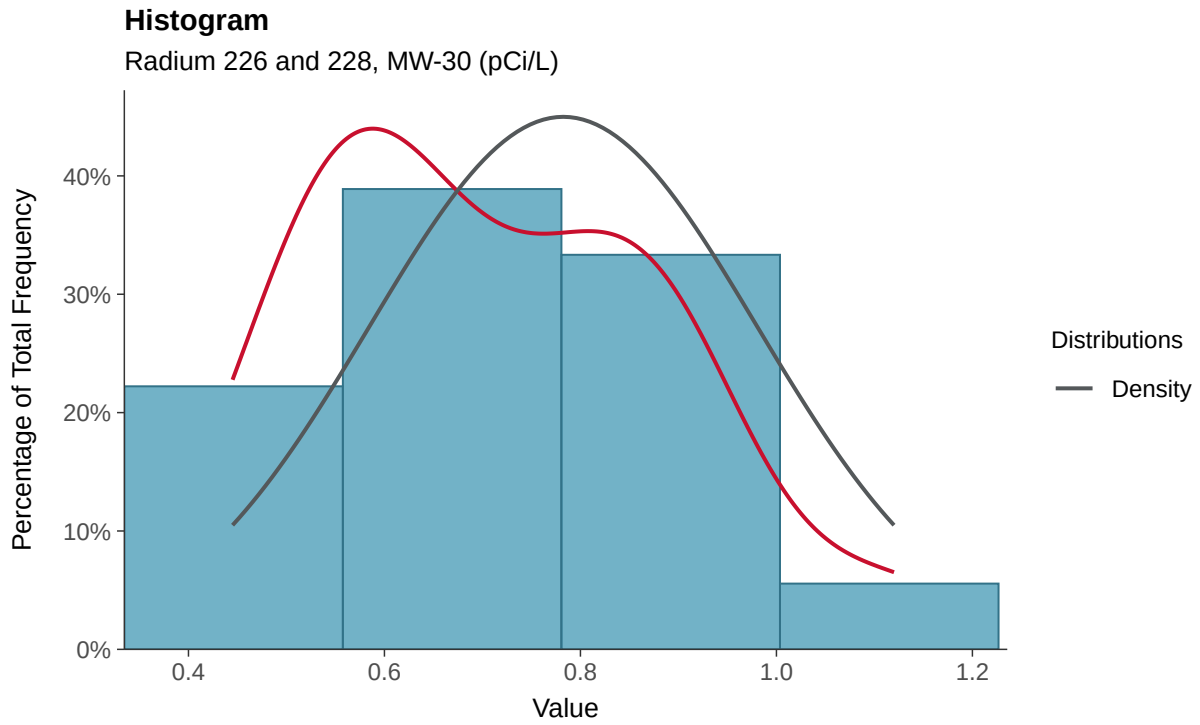



Normal Q-Q plot using ROS Imputed Estimates
Molybdenum, MW-30 (mg/L)
Value
0.03
0.02
0.01
0.00
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect
Non-detect

Appendix IV: Radium 226 and 228, MW-30

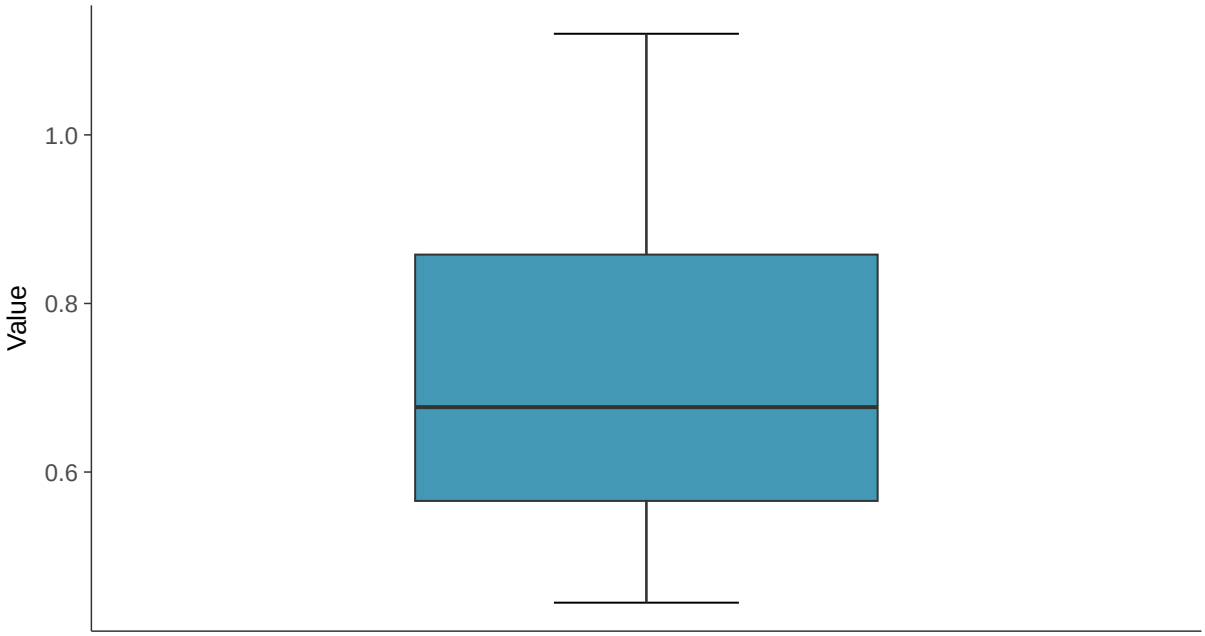
ID: 40_1_4_121





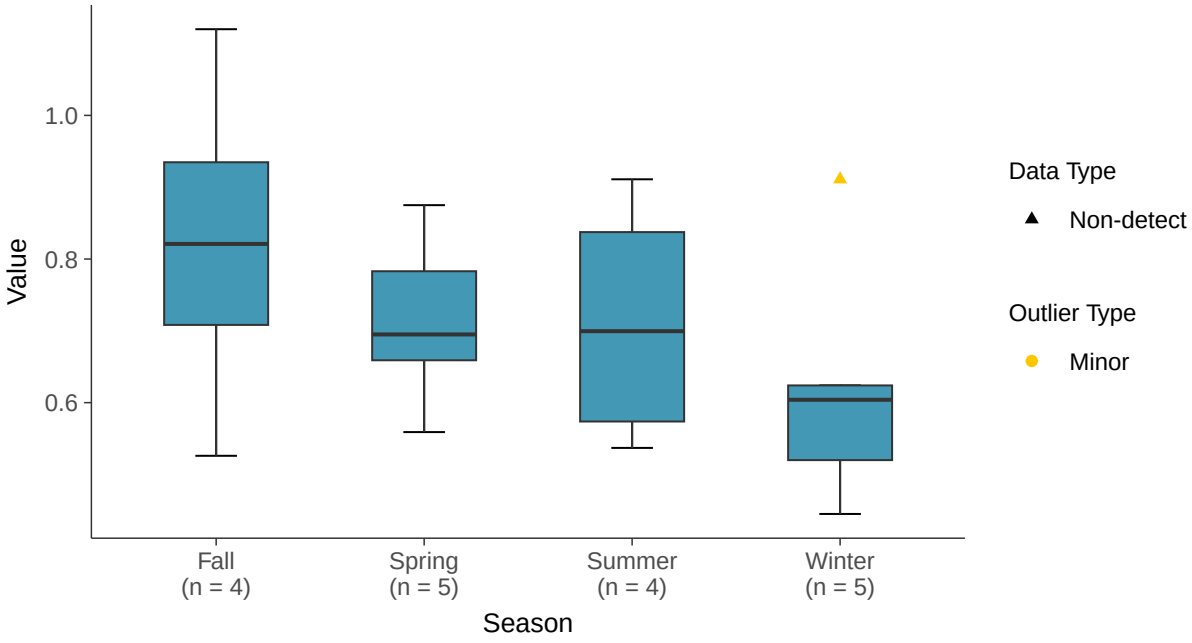
Boxplot

Radium 226 and 228, MW-30 (pCi/L)



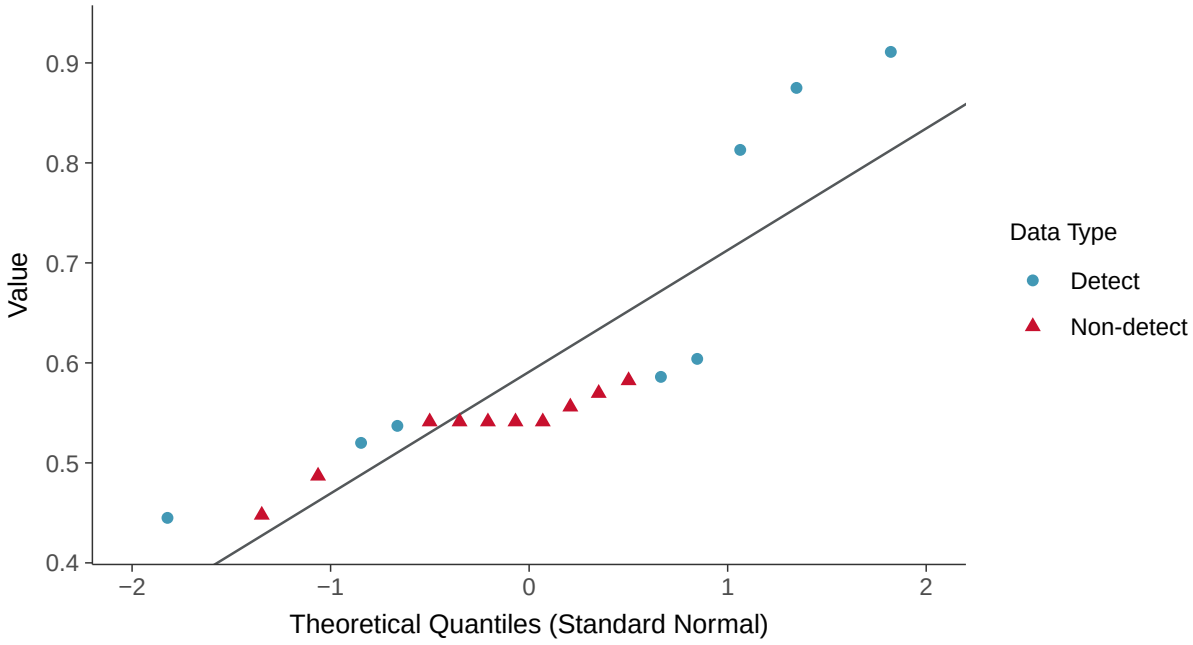
Boxplot by Season

Radium 226 and 228, MW-30 (pCi/L)



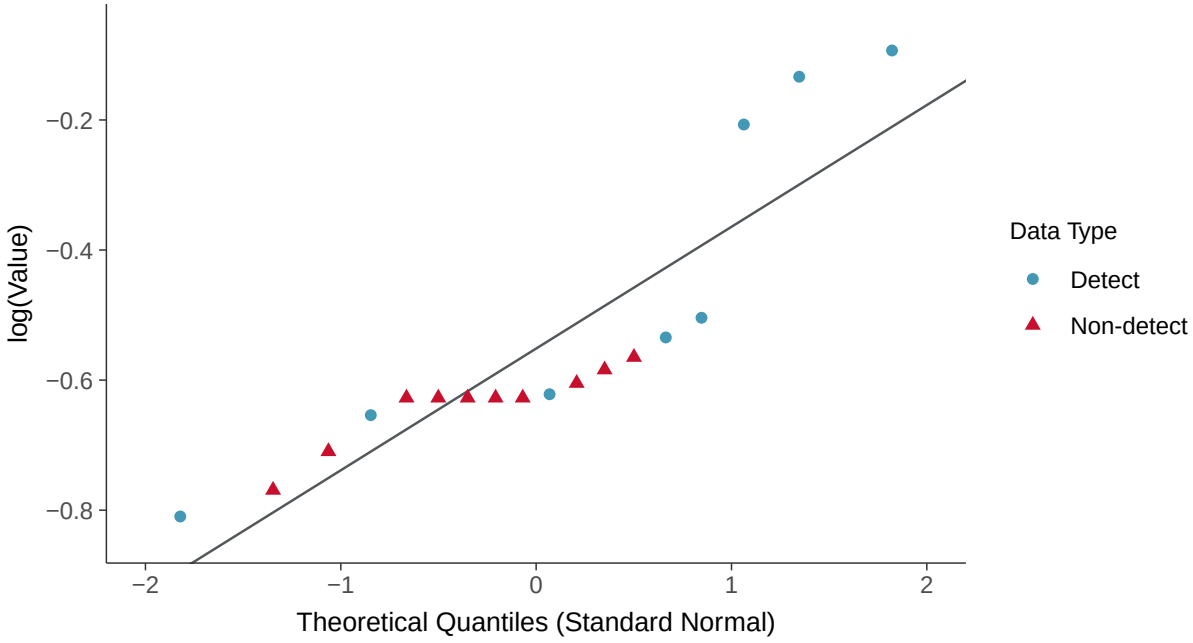
Normal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-30 (pCi/L)



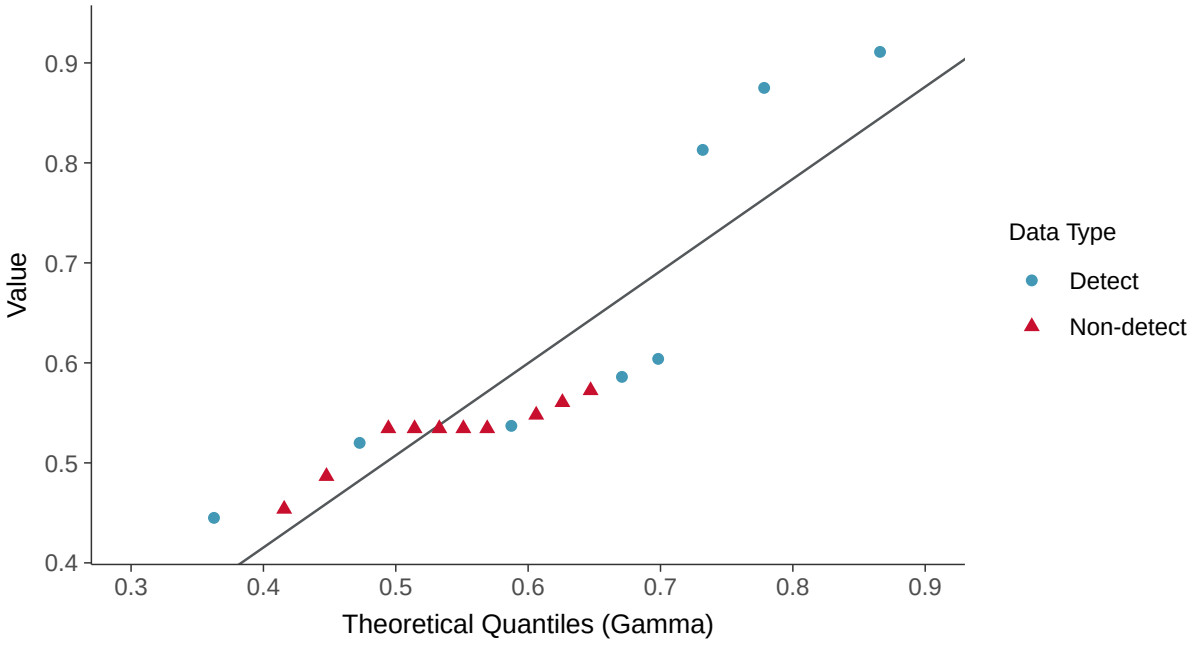
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-30 (pCi/L)



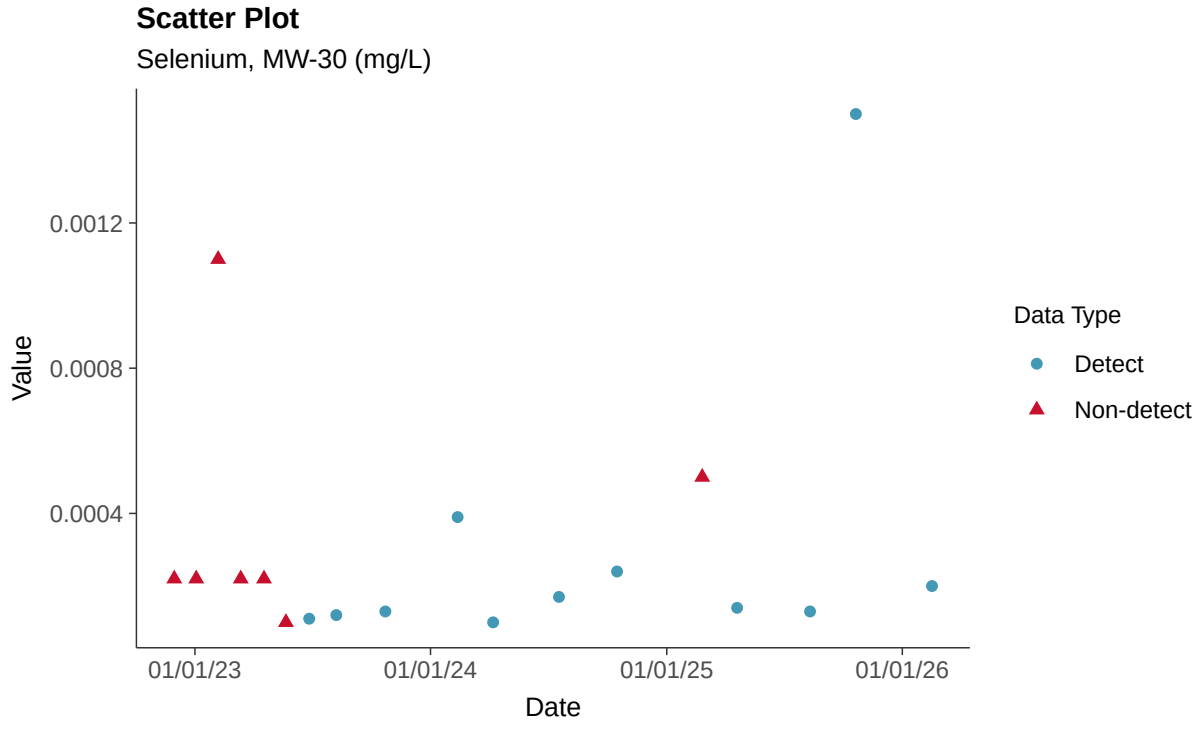
Gamma Q-Q plot using ROS Imputed Estimates

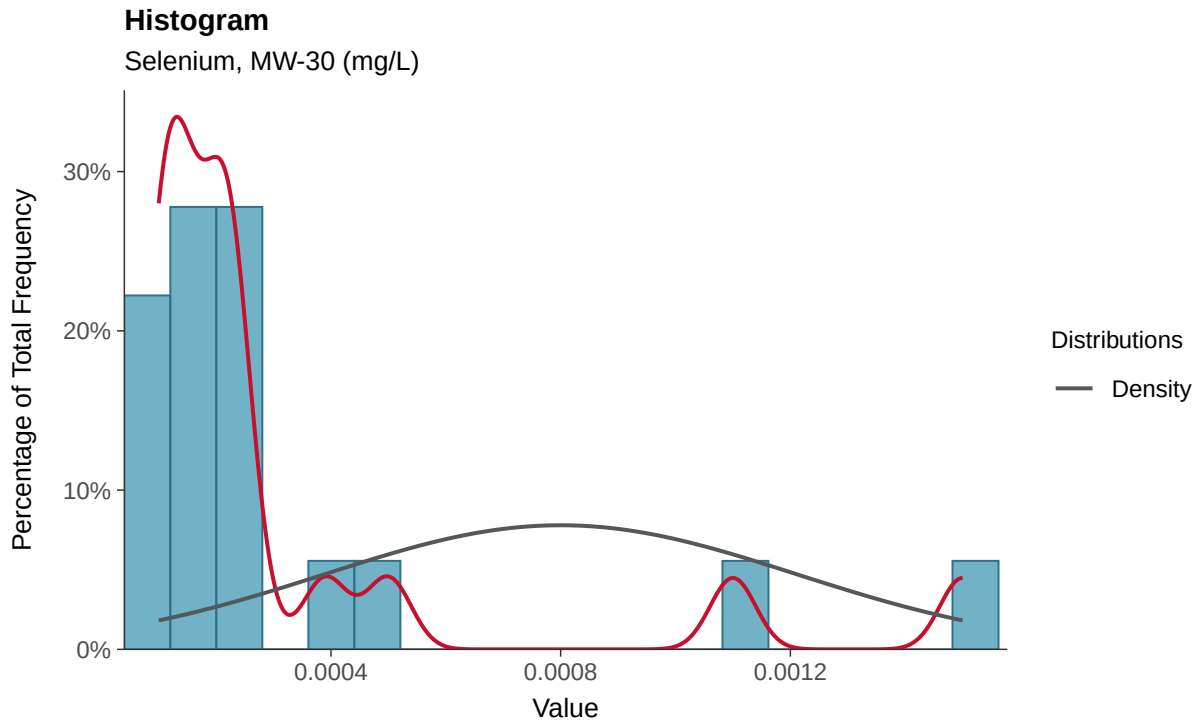
Radium 226 and 228, MW-30 (pCi/L)



Appendix IV: Selenium, MW-30

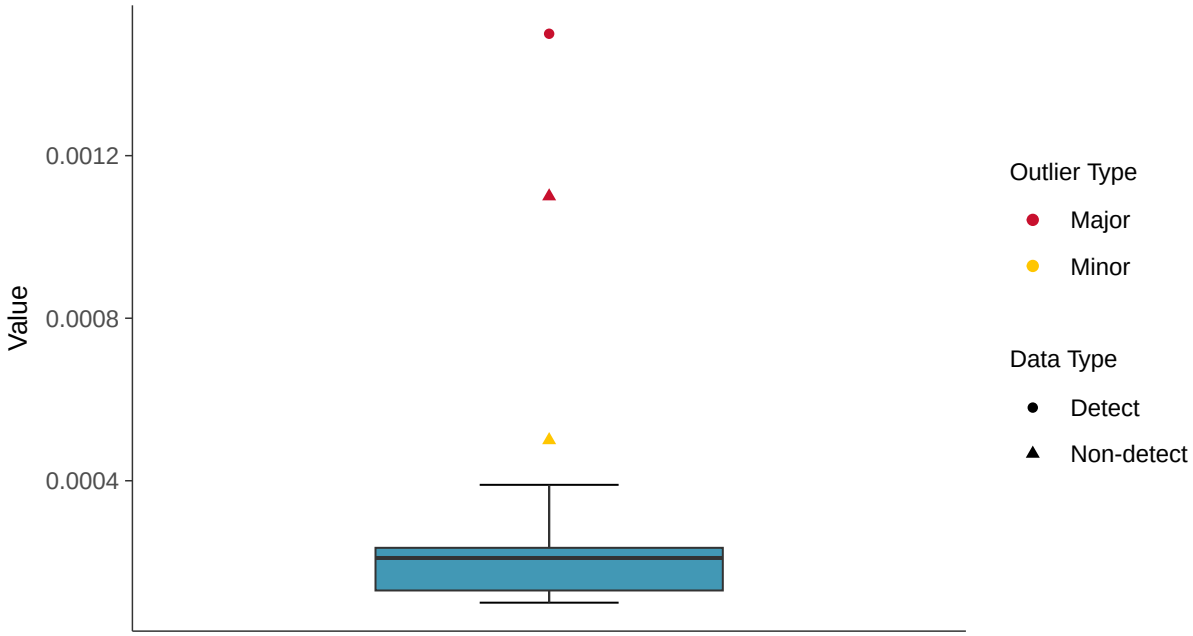
ID: 40_1_4_122





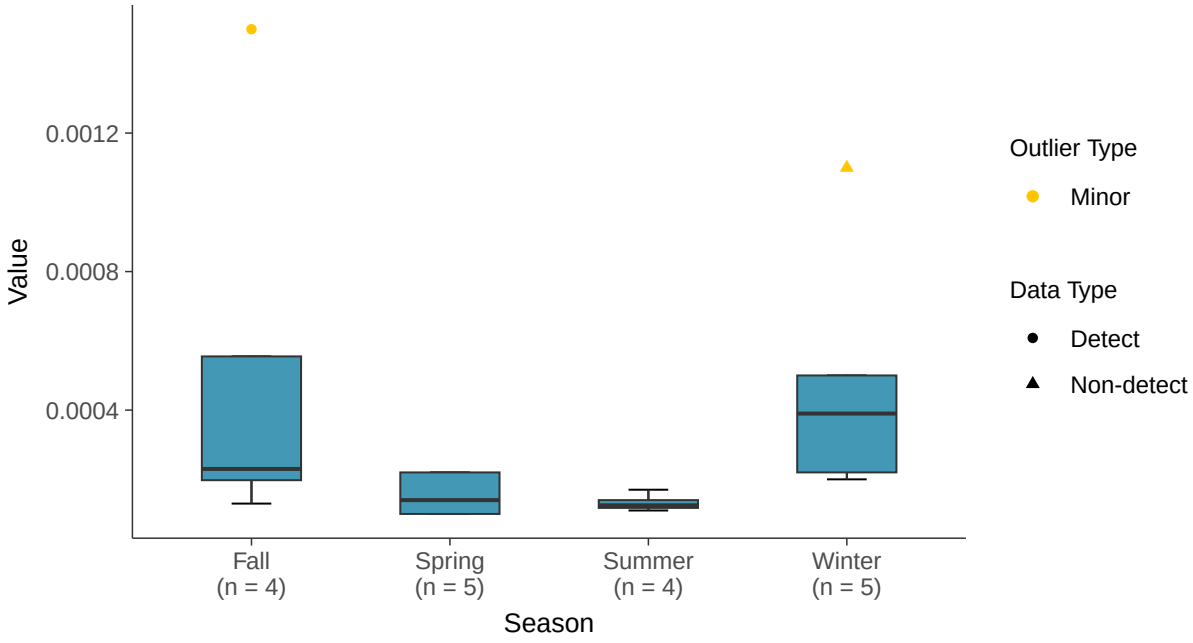
Boxplot

Selenium, MW-30 (mg/L)



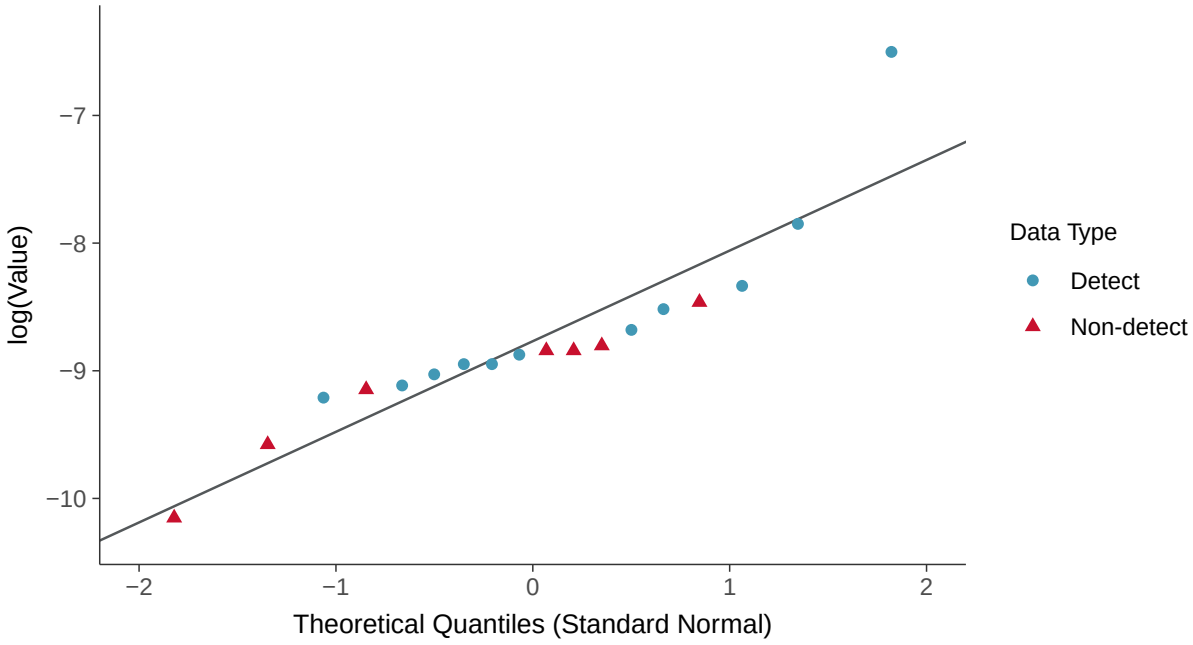
Boxplot by Season

Selenium, MW-30 (mg/L)



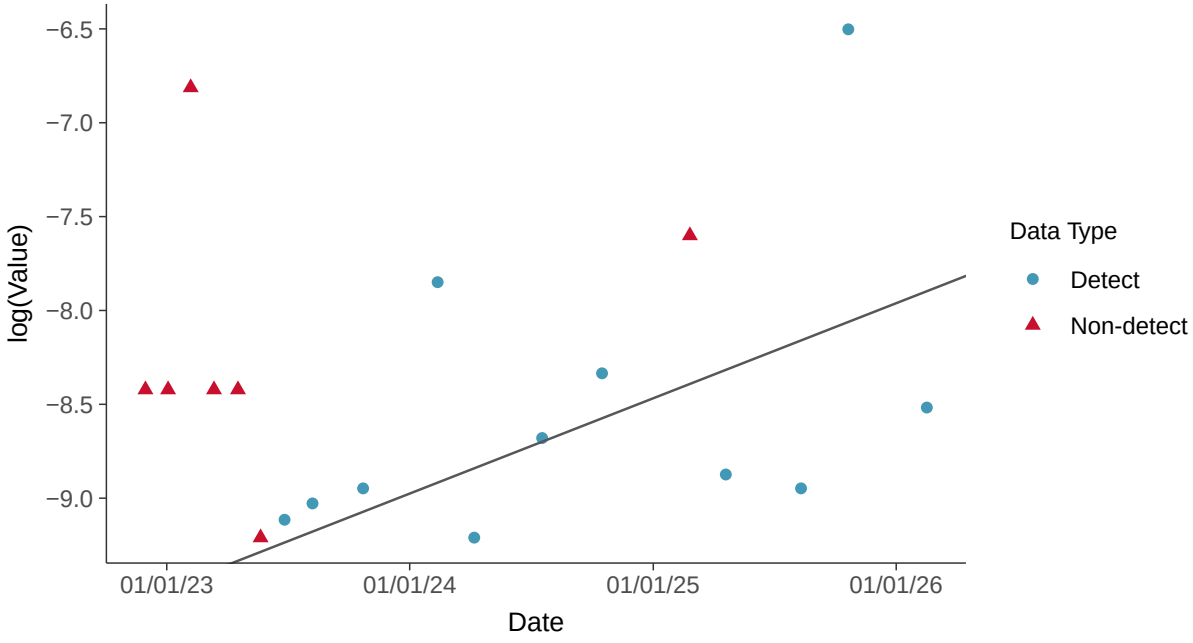
Lognormal Q-Q plot using ROS Imputed Estimates

Selenium, MW-30 (mg/L)



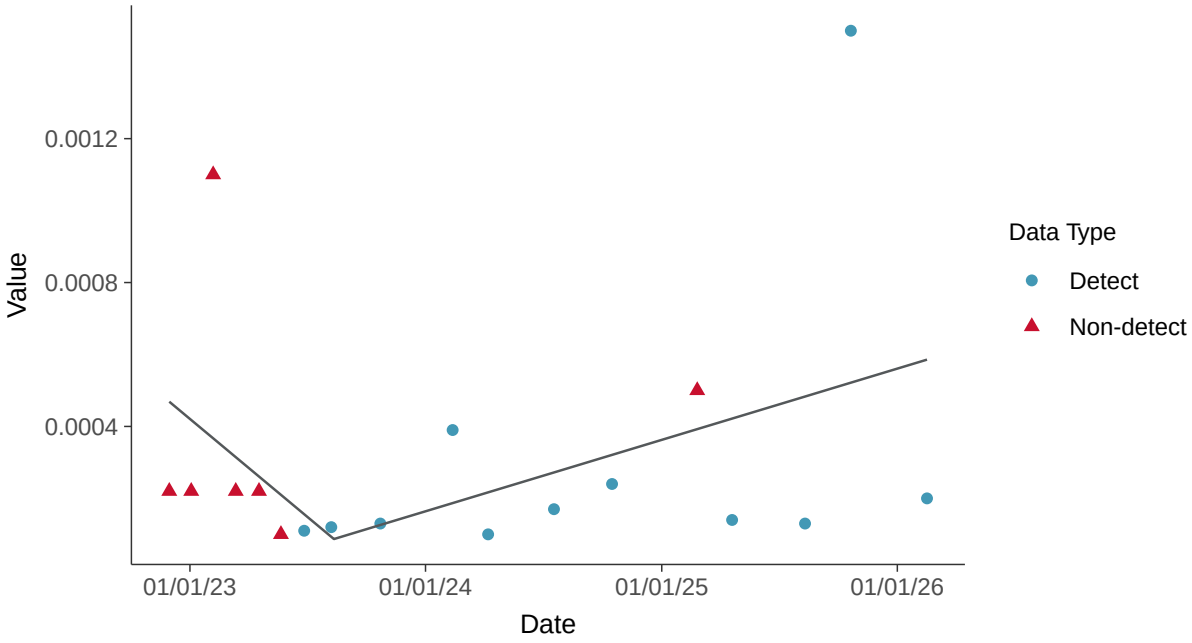
Trend Regression: Lognormal MLE

Selenium, MW-30 (mg/L)



Trend Regression: Piecewise Linear-Linear

Selenium, MW-30 (mg/L)

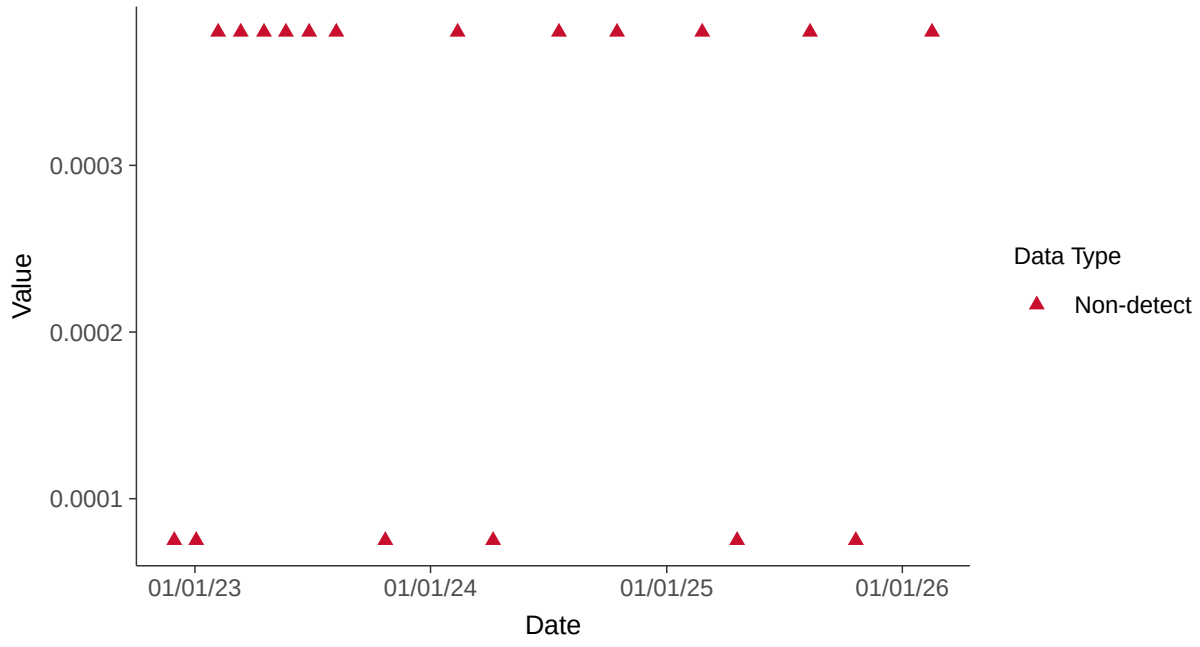


Appendix IV: Thallium, MW-30

ID: 40_1_4_125

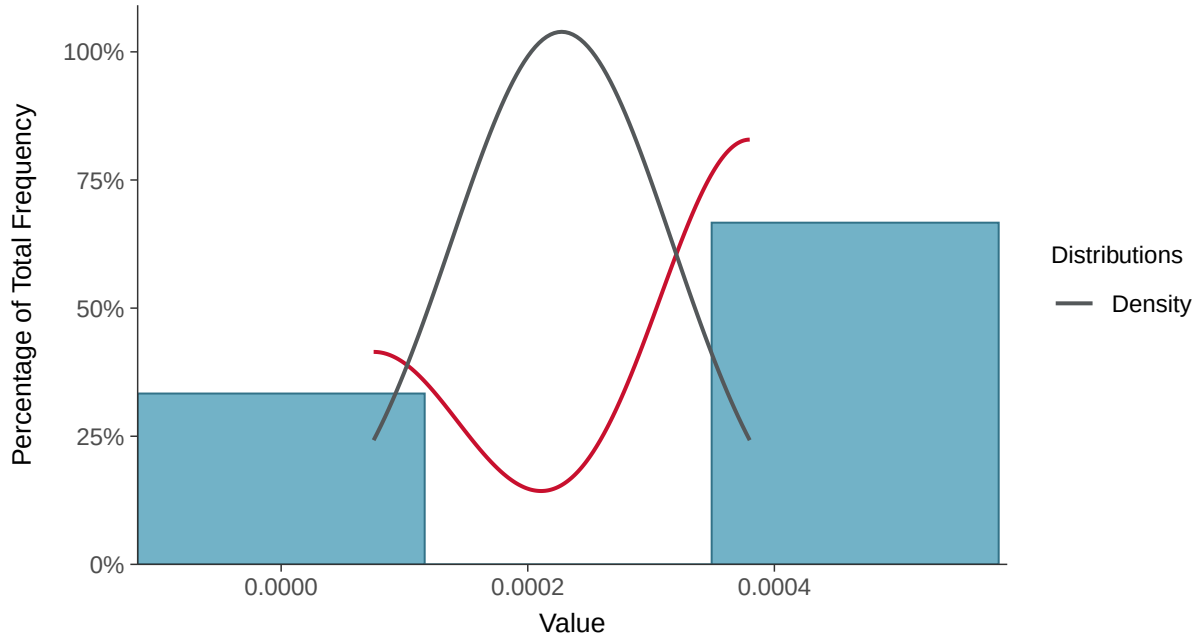
Scatter Plot

Thallium, MW-30 (mg/L)



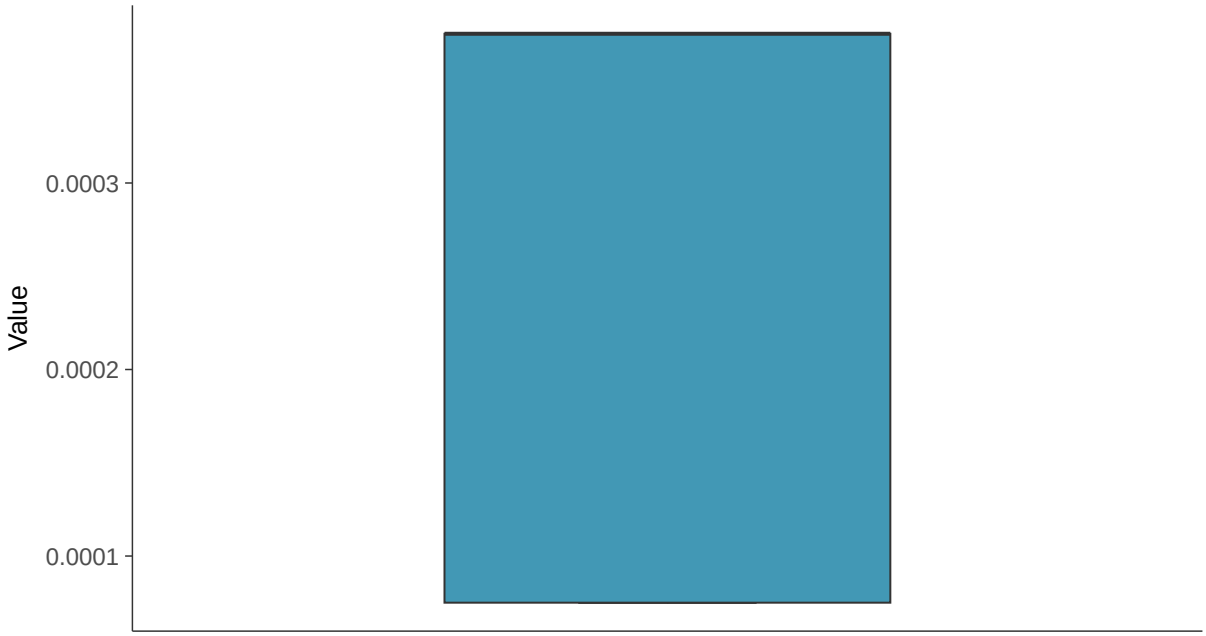
Histogram

Thallium, MW-30 (mg/L)



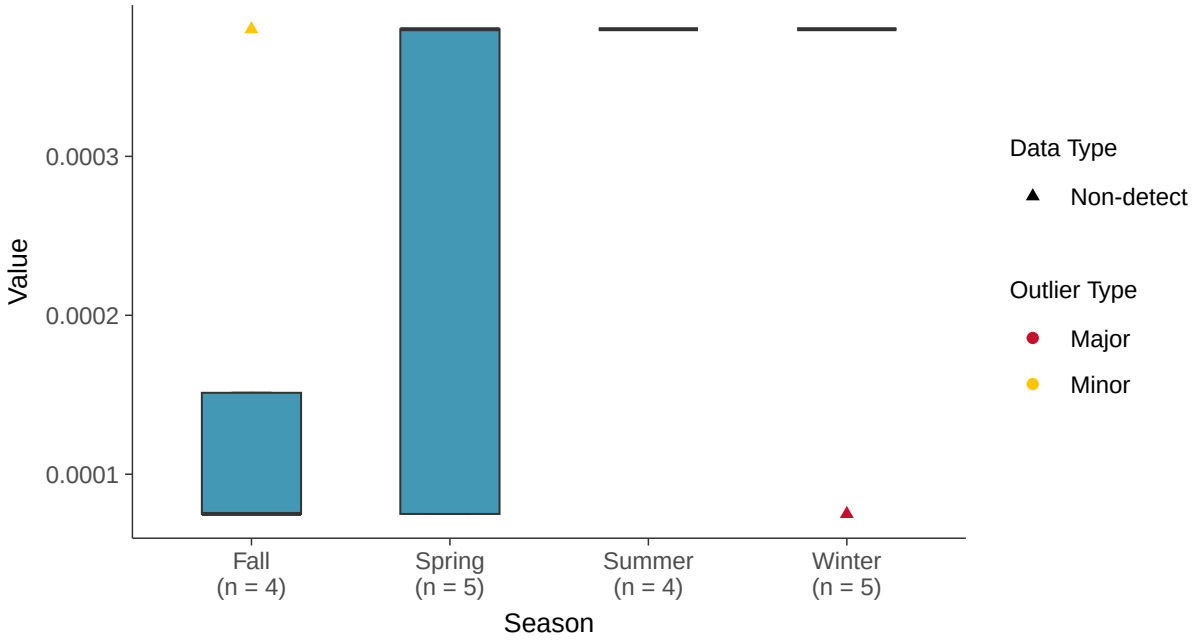
Boxplot

Thallium, MW-30 (mg/L)



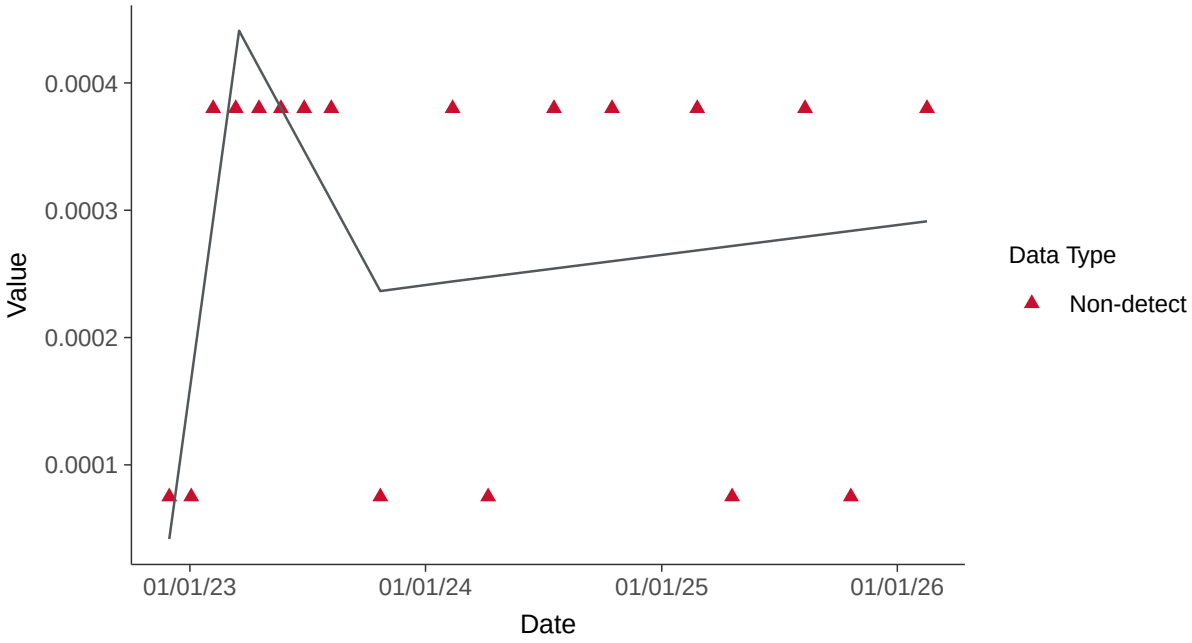
Boxplot by Season

Thallium, MW-30 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Thallium, MW-30 (mg/L)

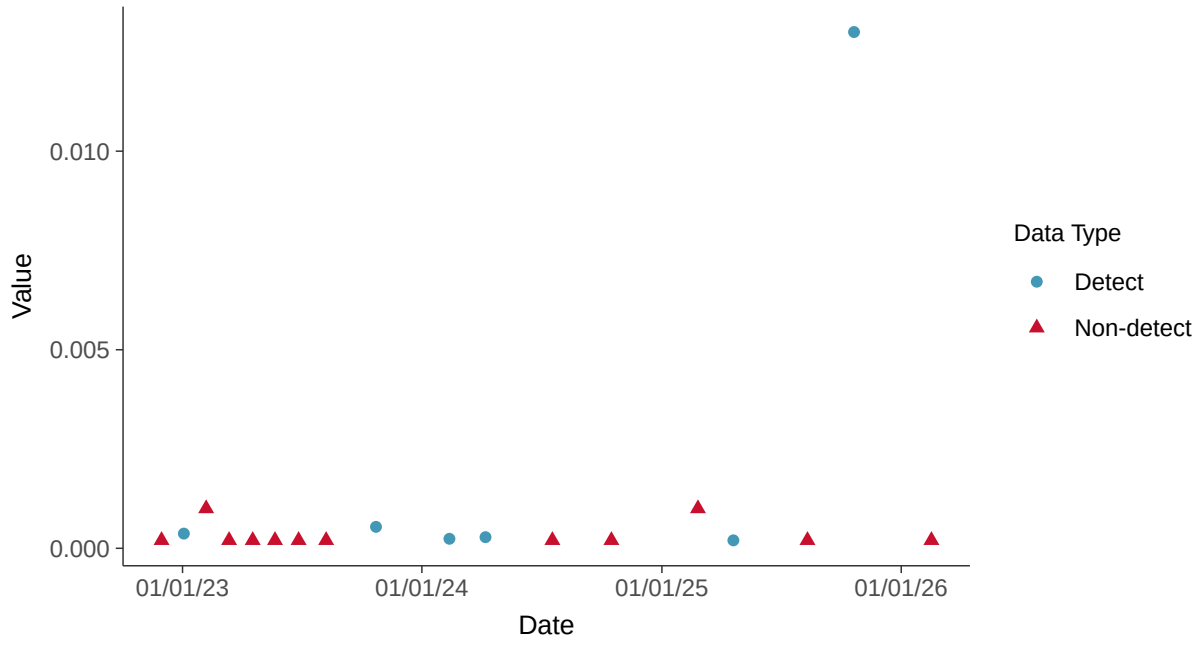


Part 115: Copper, MW-30

ID: 40_1_5_111

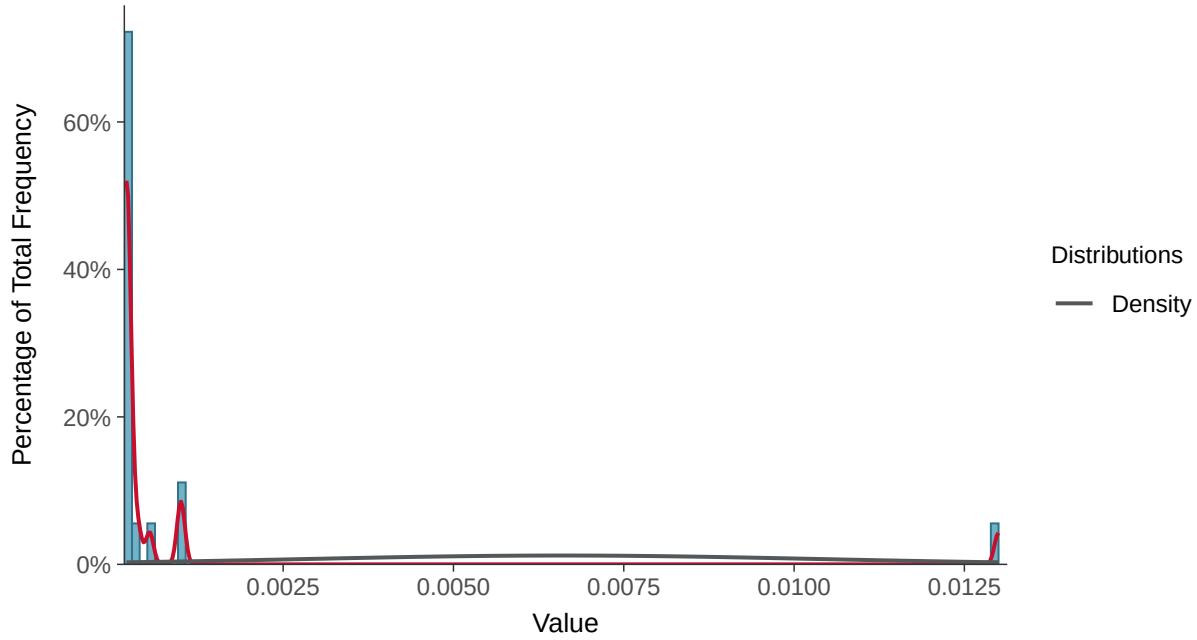
Scatter Plot

Copper, MW-30 (mg/L)



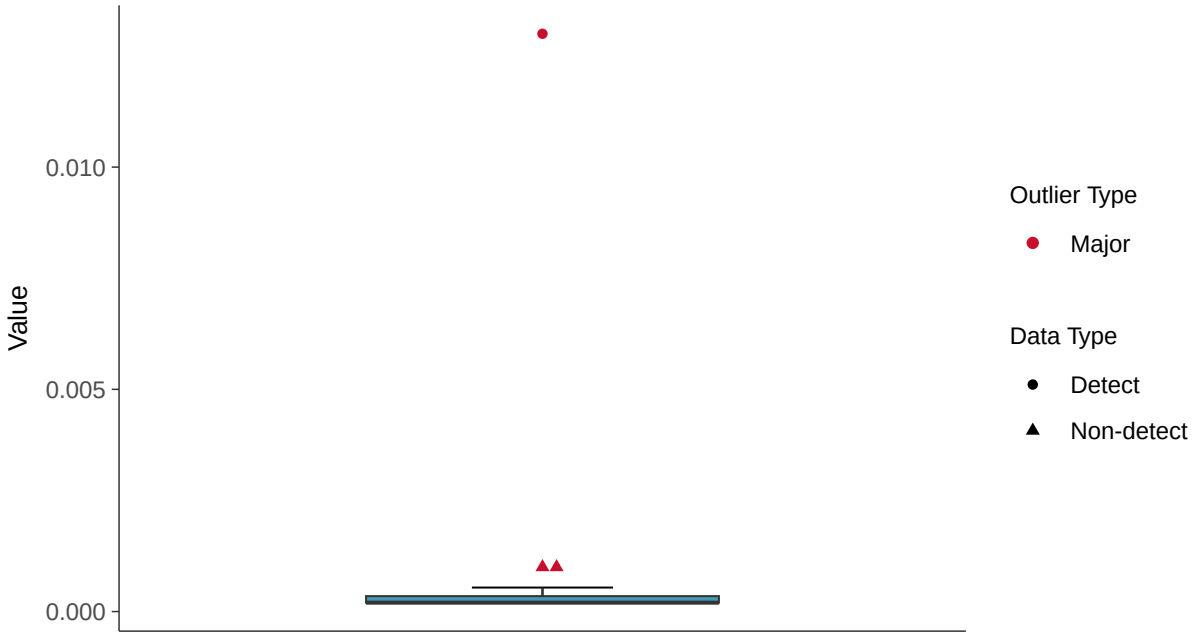
Histogram

Copper, MW-30 (mg/L)



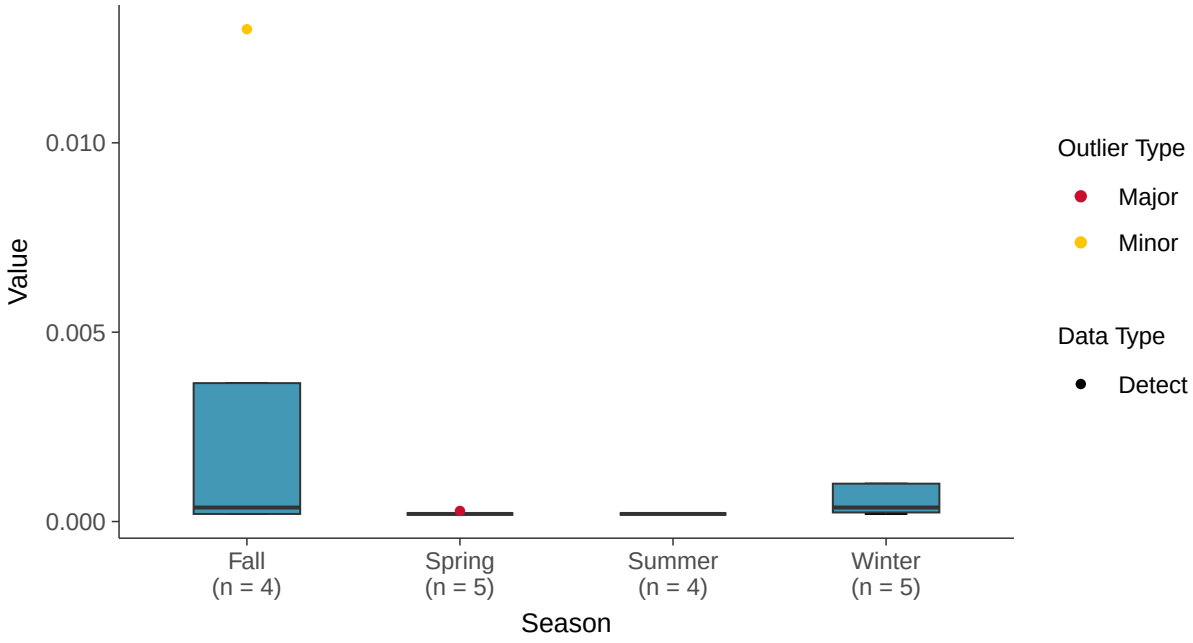
Boxplot

Copper, MW-30 (mg/L)



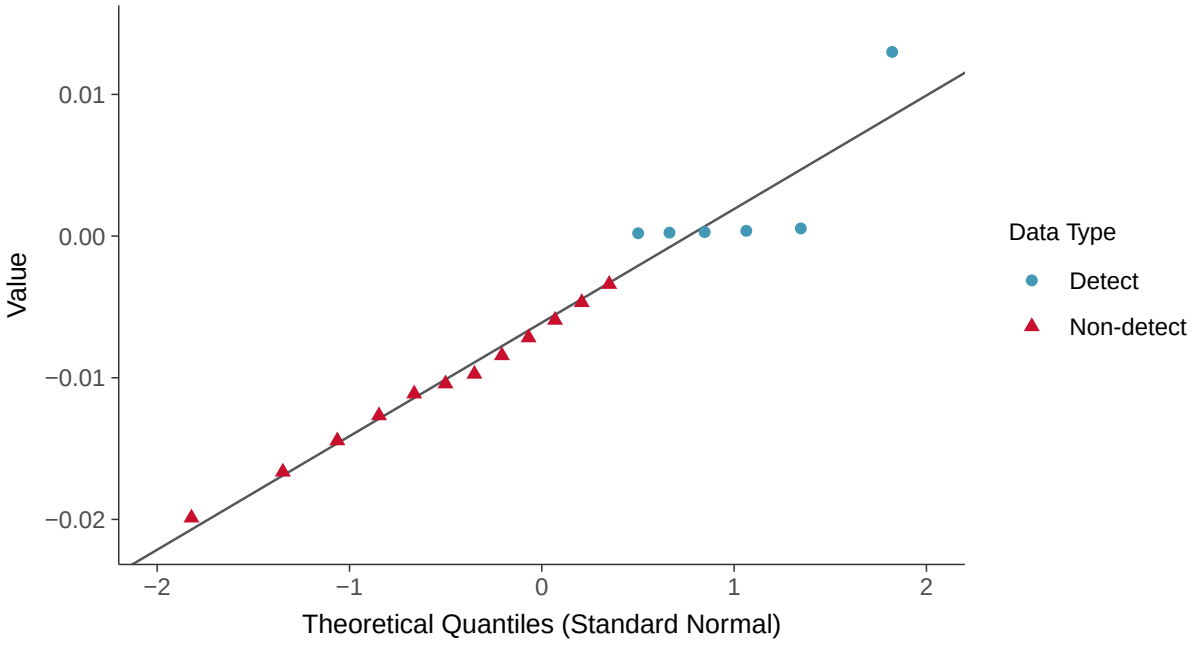
Boxplot by Season

Copper, MW-30 (mg/L)



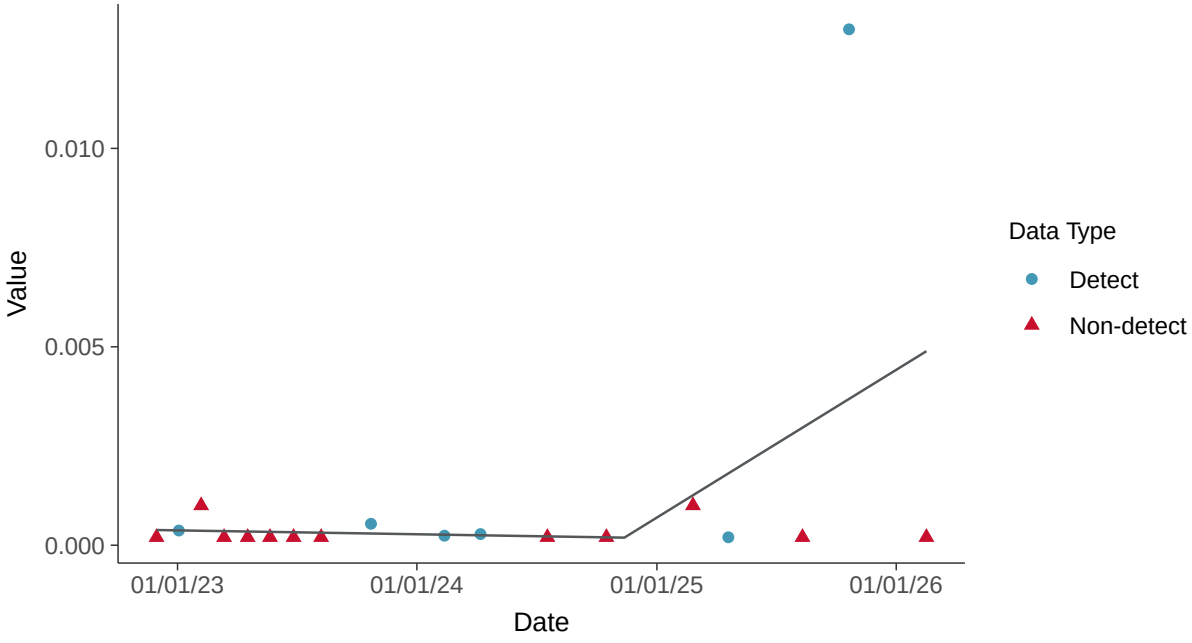
Normal Q-Q plot using ROS Imputed Estimates

Copper, MW-30 (mg/L)



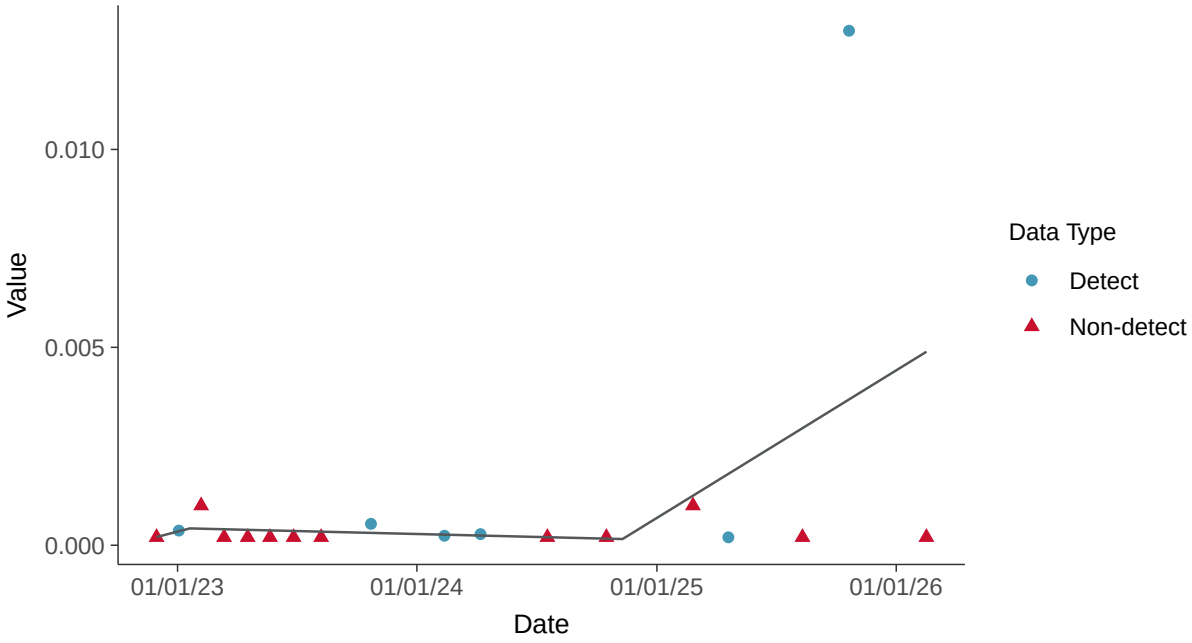
Trend Regression: Piecewise Linear-Linear

Copper, MW-30 (mg/L)



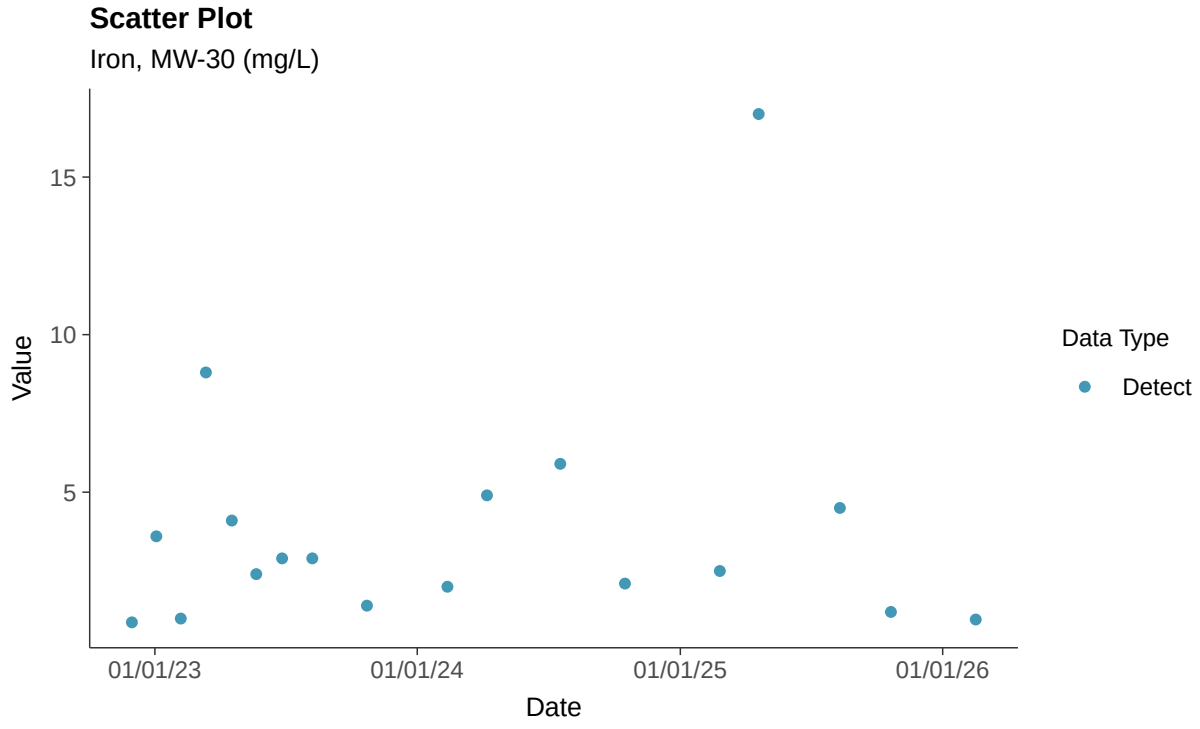
Trend Regression: Piecewise Linear-Linear-Linear

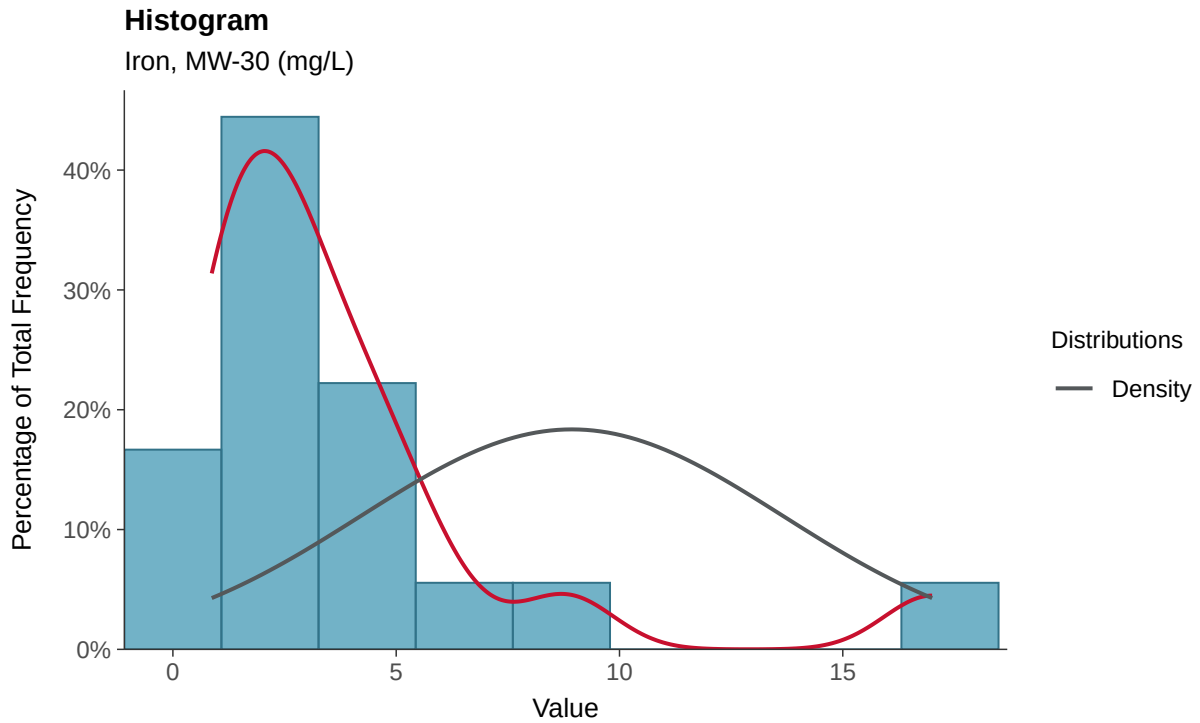
Copper, MW-30 (mg/L)



Part 115: Iron, MW-30

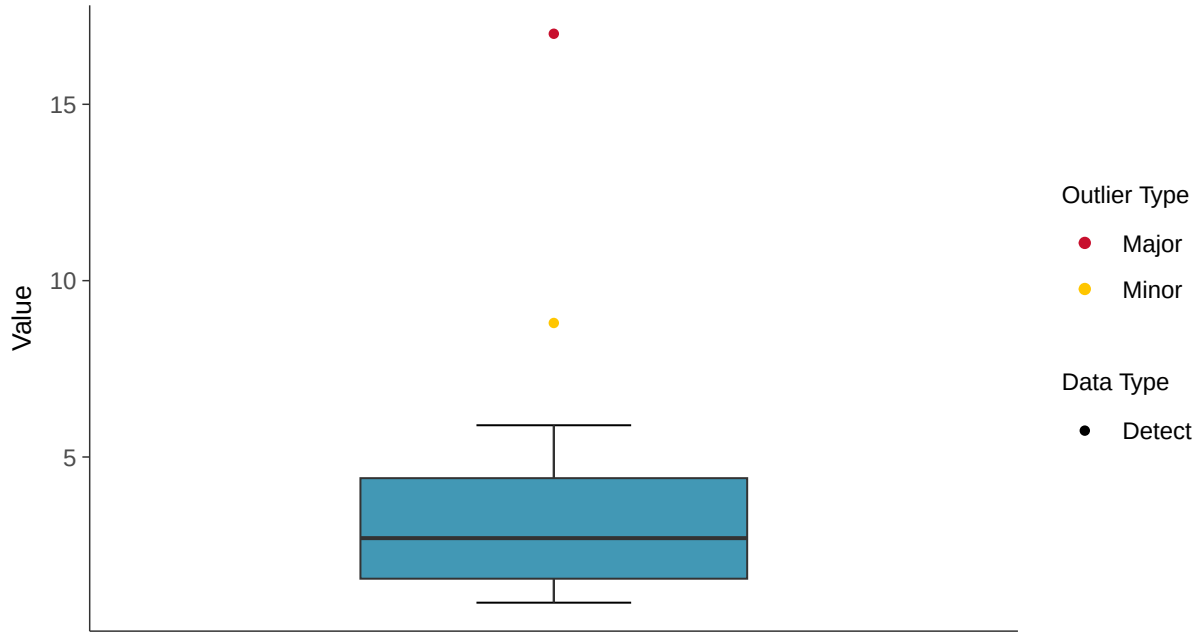
ID: 40_1_5_114





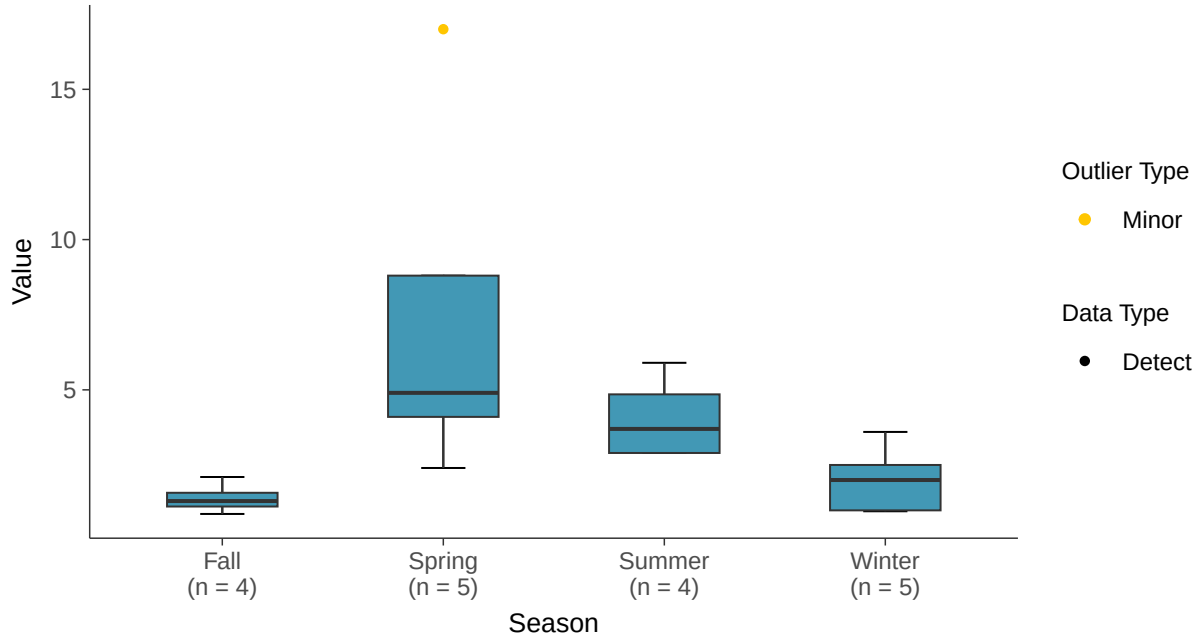
Boxplot

Iron, MW-30 (mg/L)



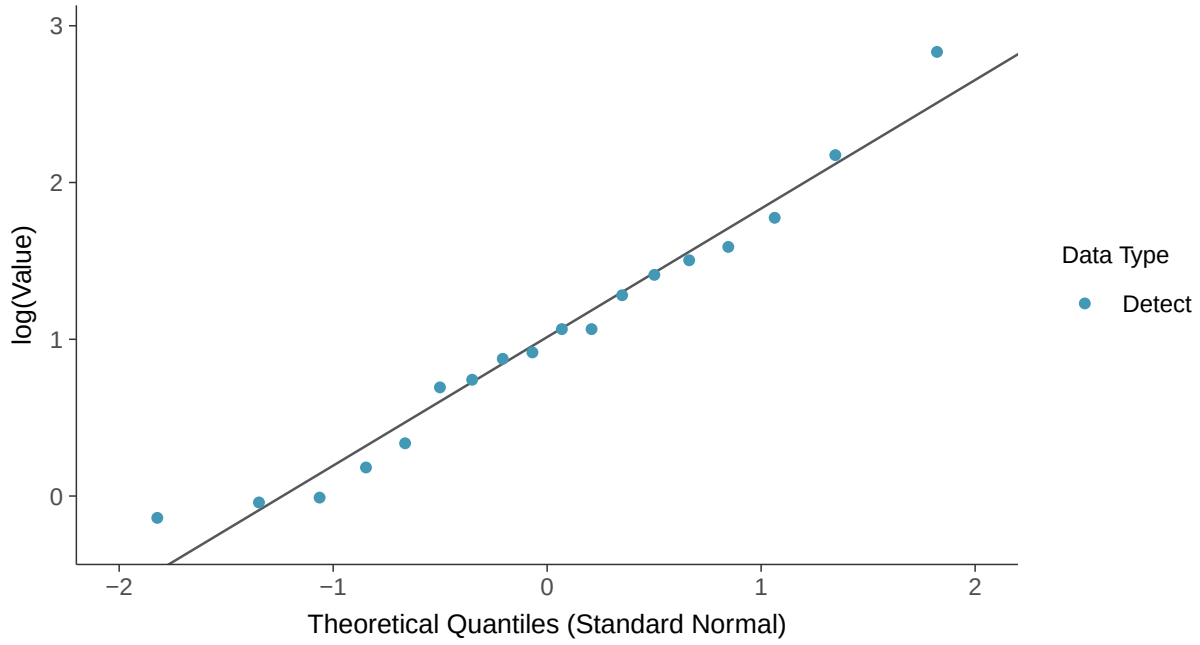
Boxplot by Season

Iron, MW-30 (mg/L)



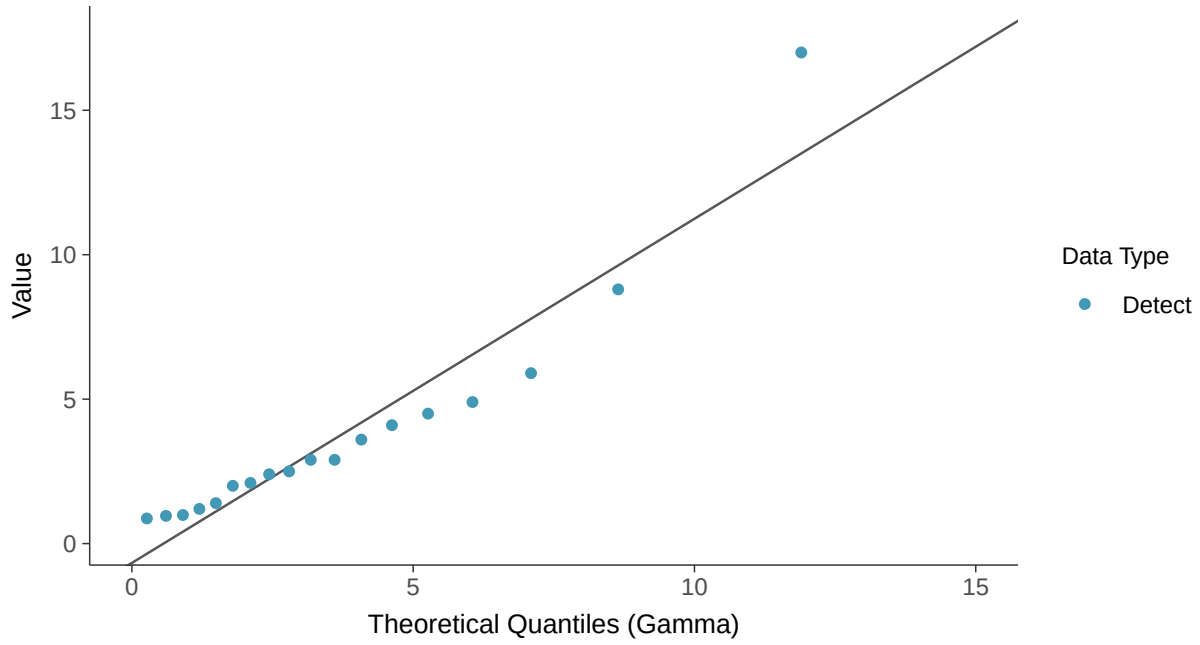
Lognormal Q-Q plot

Iron, MW-30 (mg/L)



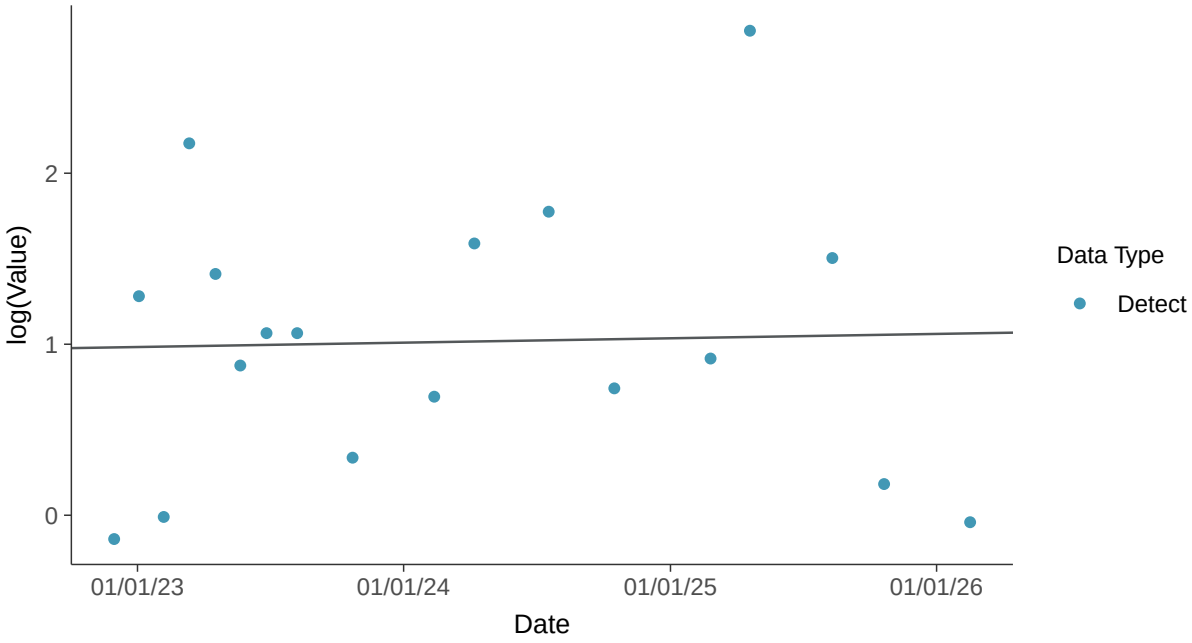
Gamma Q-Q plot

Iron, MW-30 (mg/L)



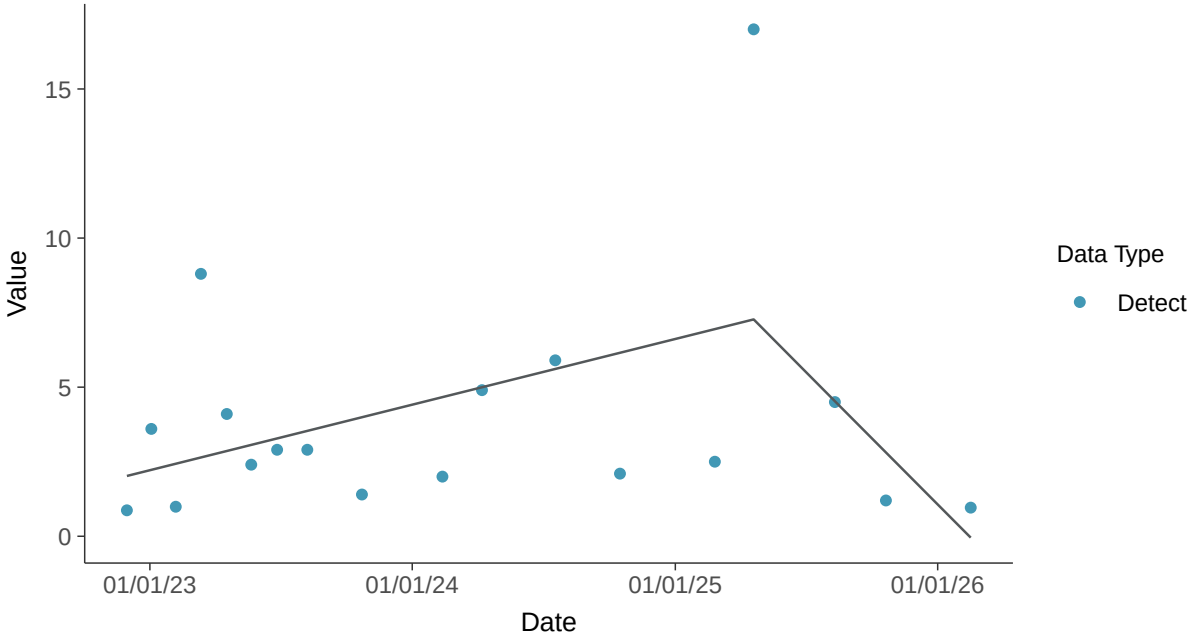
Trend Regression: Lognormal MLE

Iron, MW-30 (mg/L)



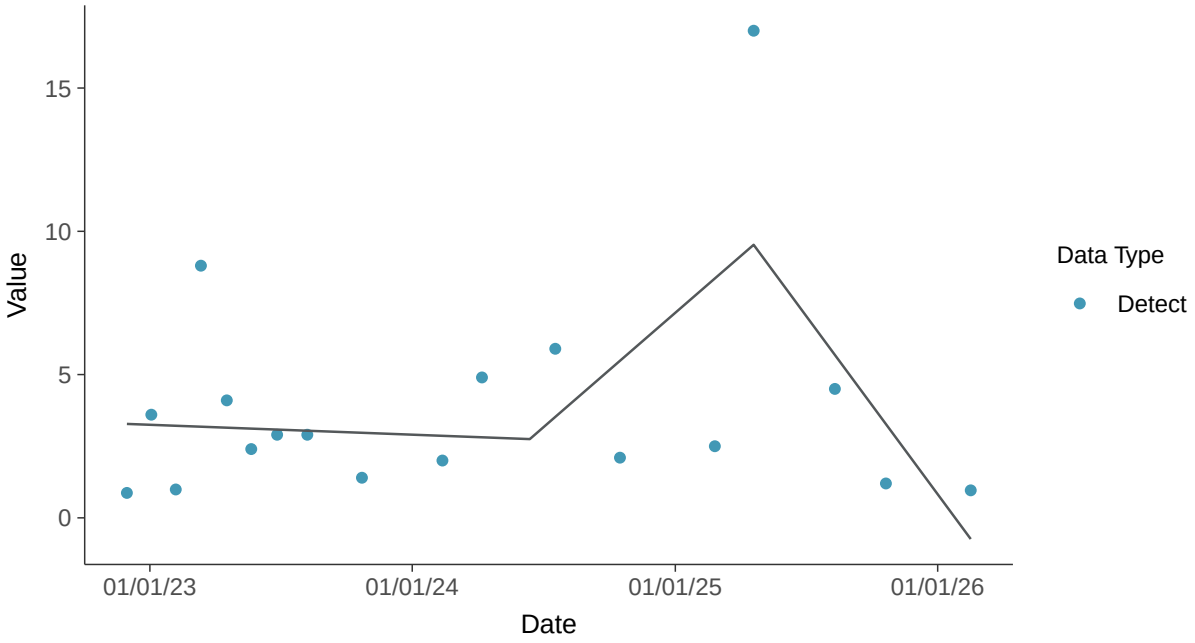
Trend Regression: Piecewise Linear-Linear

Iron, MW-30 (mg/L)



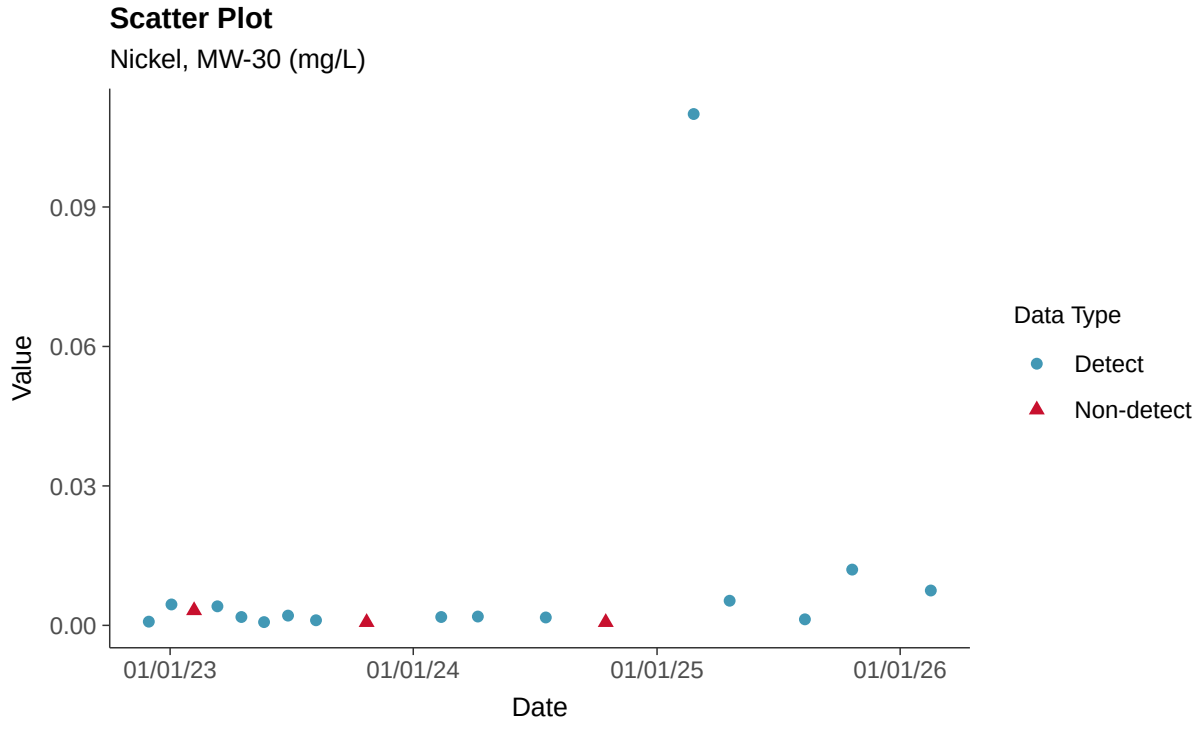
Trend Regression: Piecewise Linear-Linear-Linear

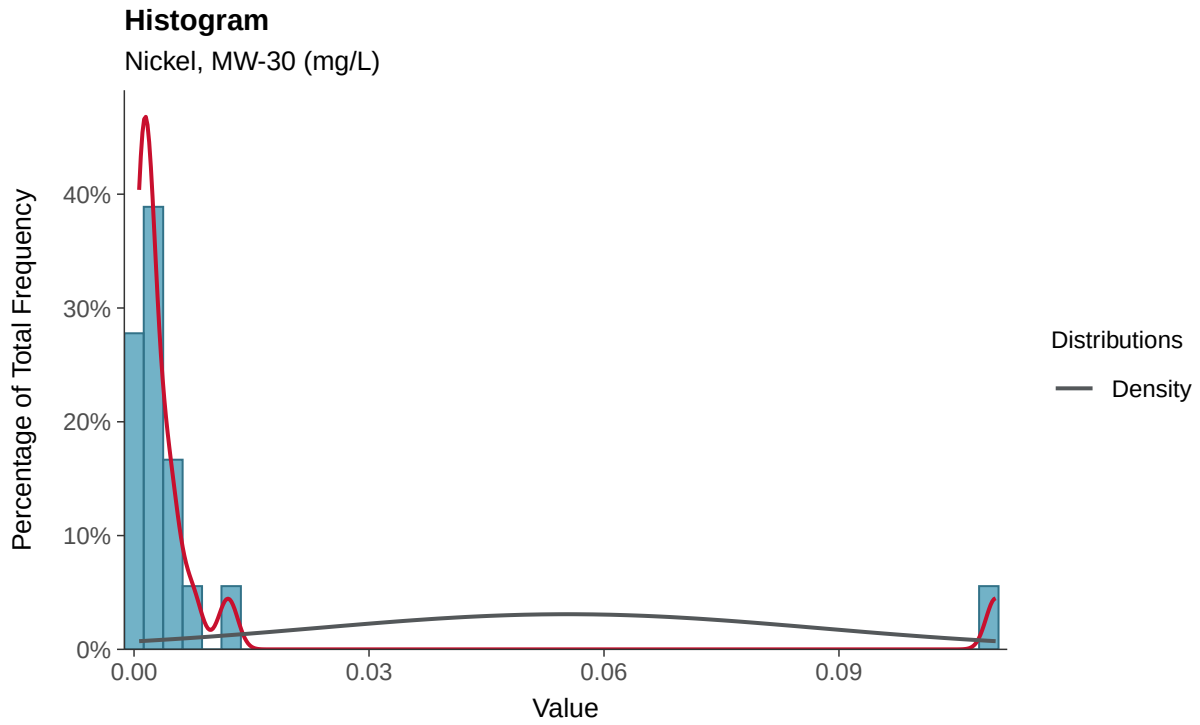
Iron, MW-30 (mg/L)



Part 115: Nickel, MW-30

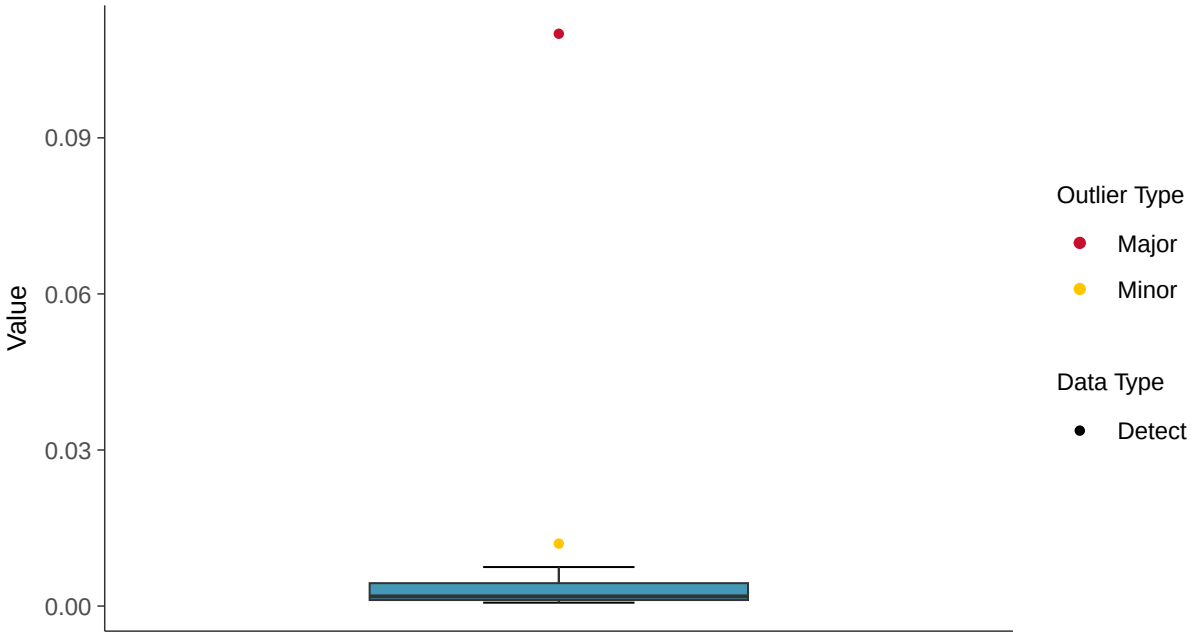
ID: 40_1_5_119





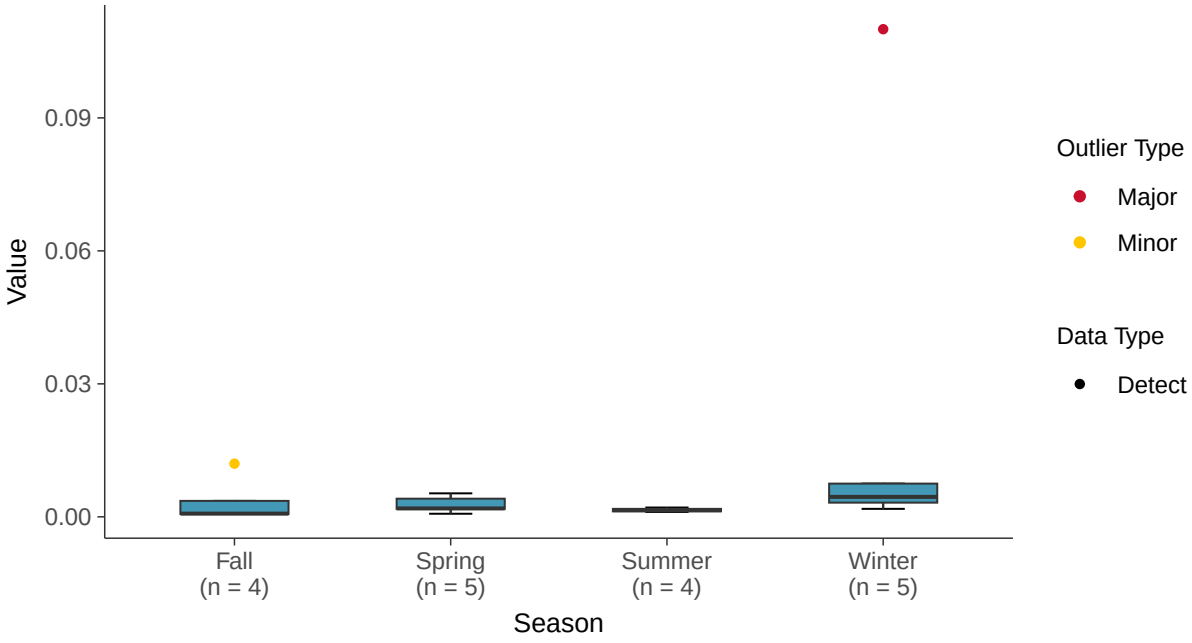
Boxplot

Nickel, MW-30 (mg/L)



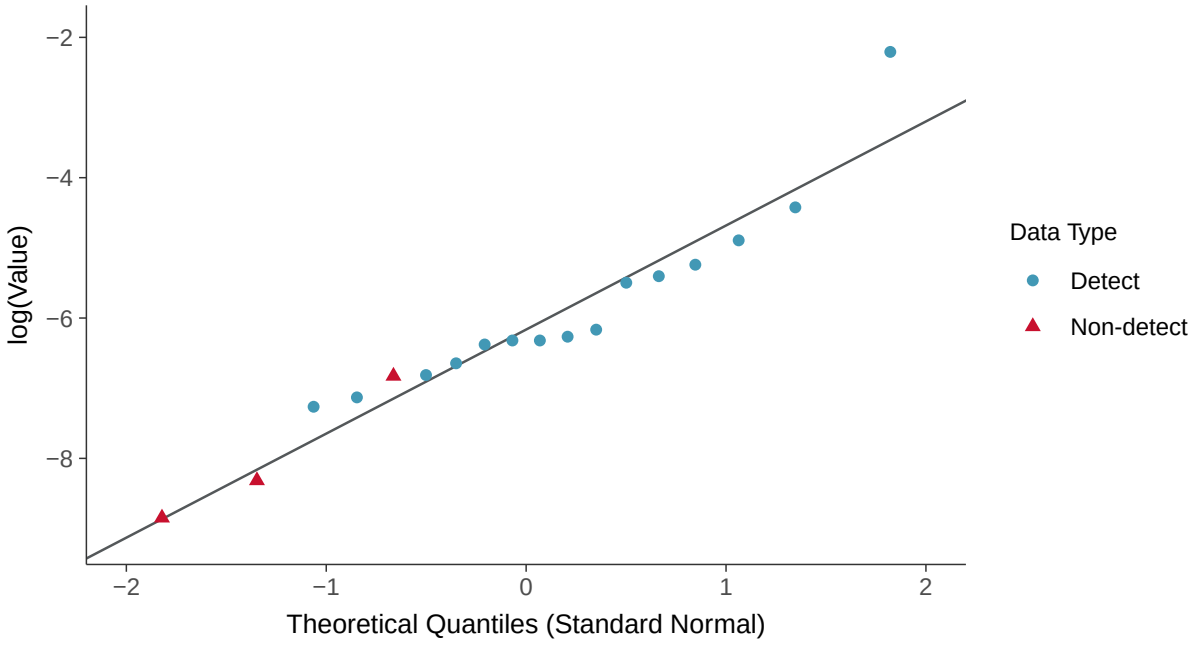
Boxplot by Season

Nickel, MW-30 (mg/L)



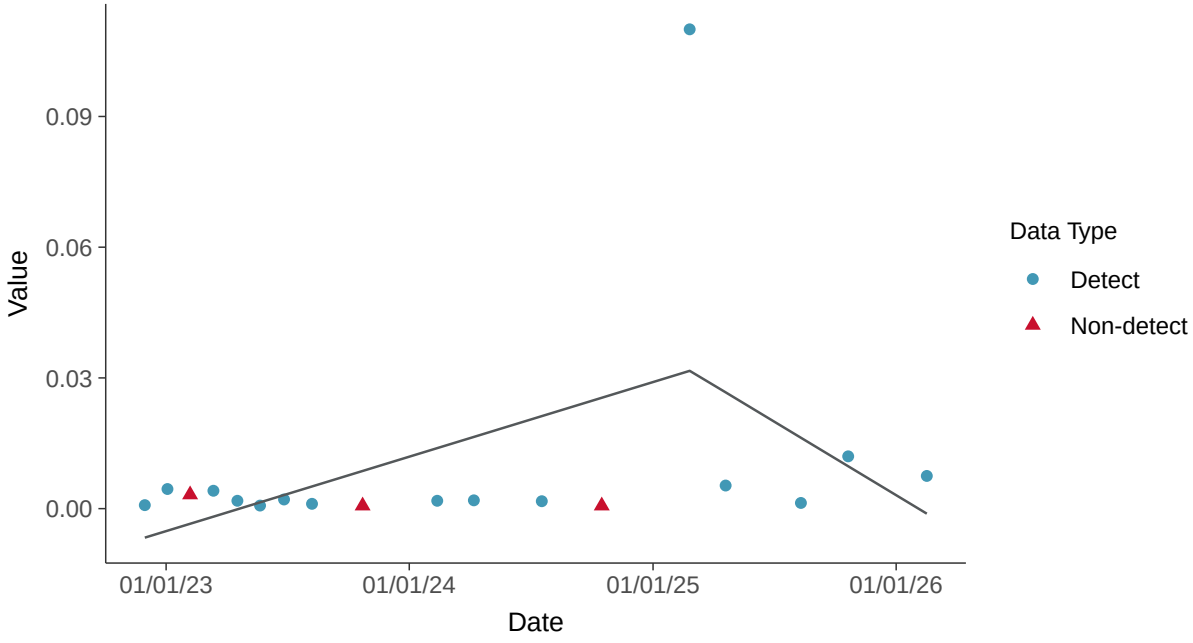
Lognormal Q-Q plot using ROS Imputed Estimates

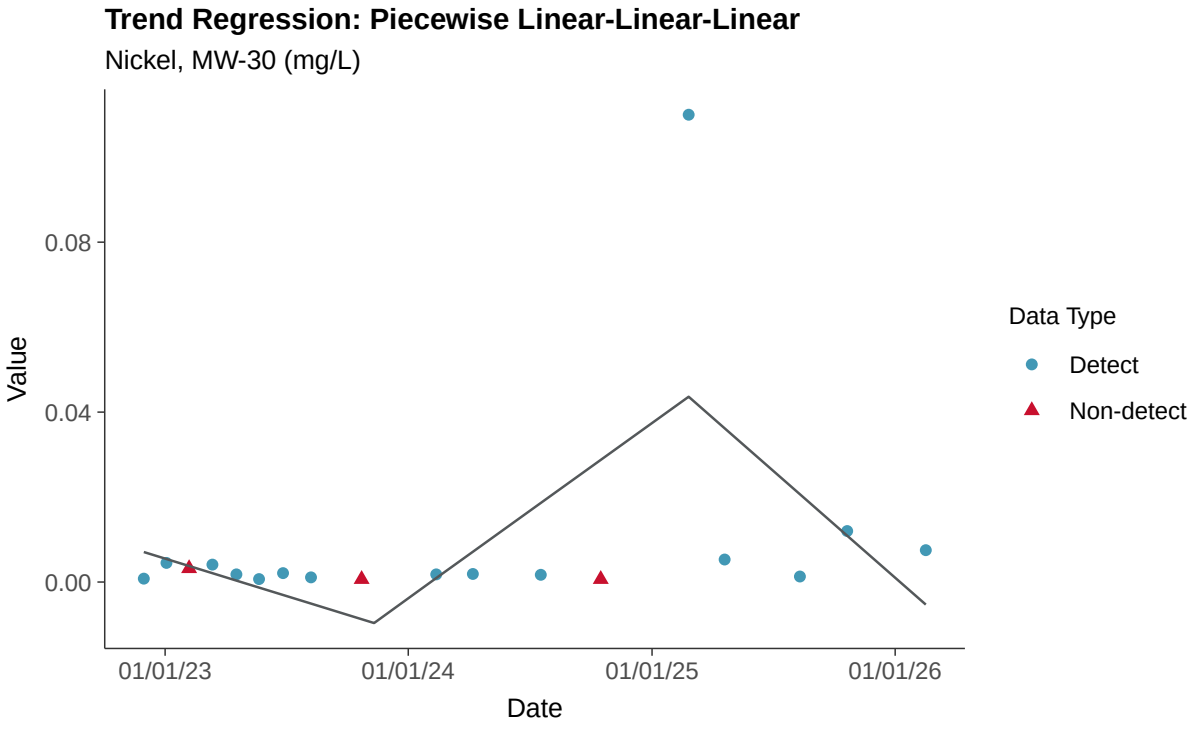
Nickel, MW-30 (mg/L)



Trend Regression: Piecewise Linear-Linear

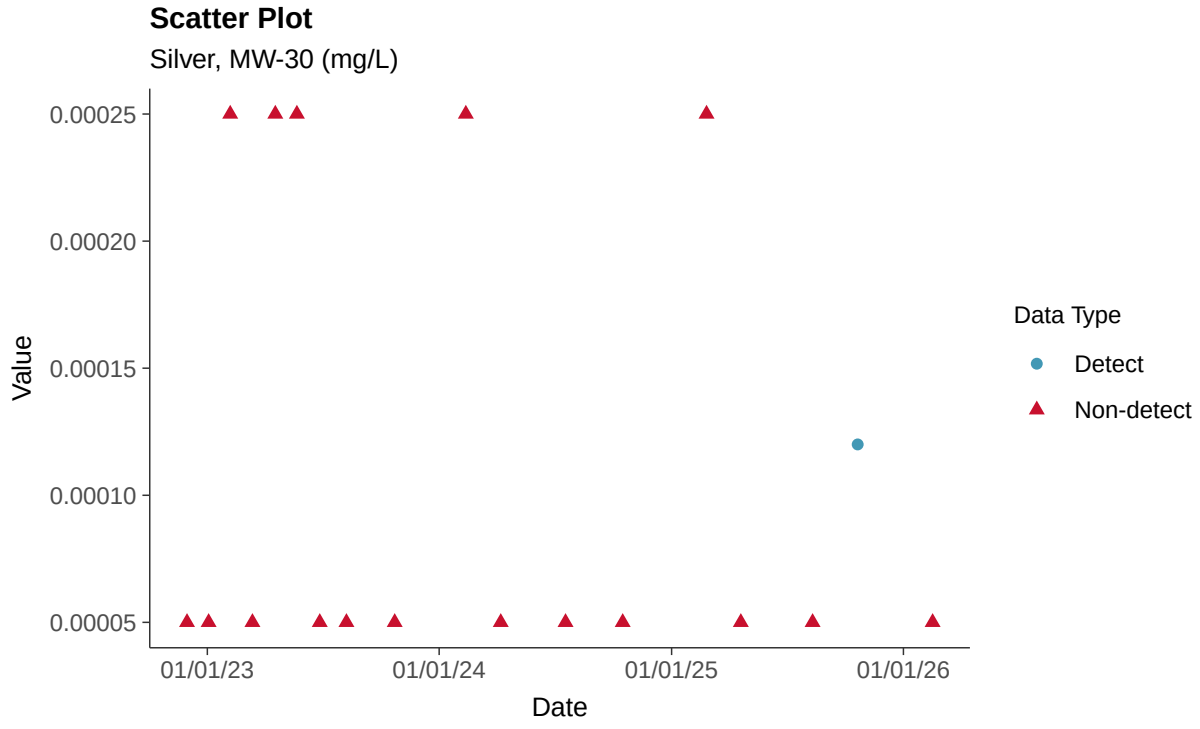
Nickel, MW-30 (mg/L)

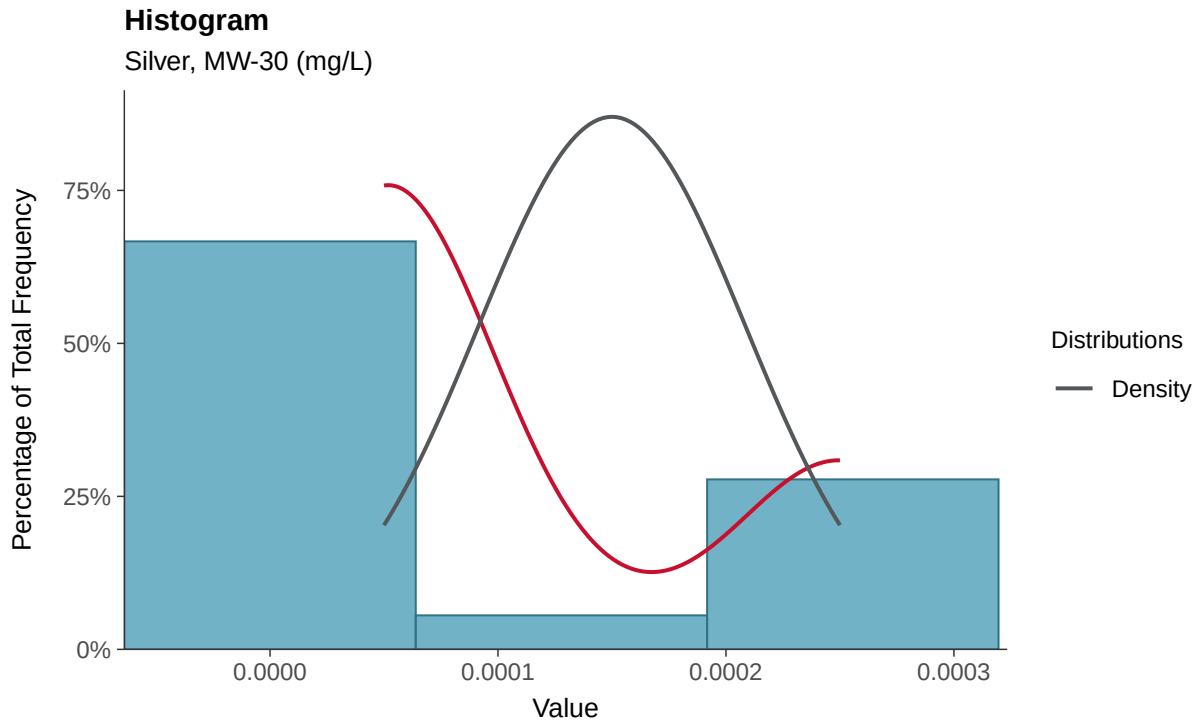



Trend Regression: Piecewise Linear-Linear-Linear
Nickel, MW-30 (mg/L)
Value
0.08
0.04
0.00
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Silver, MW-30

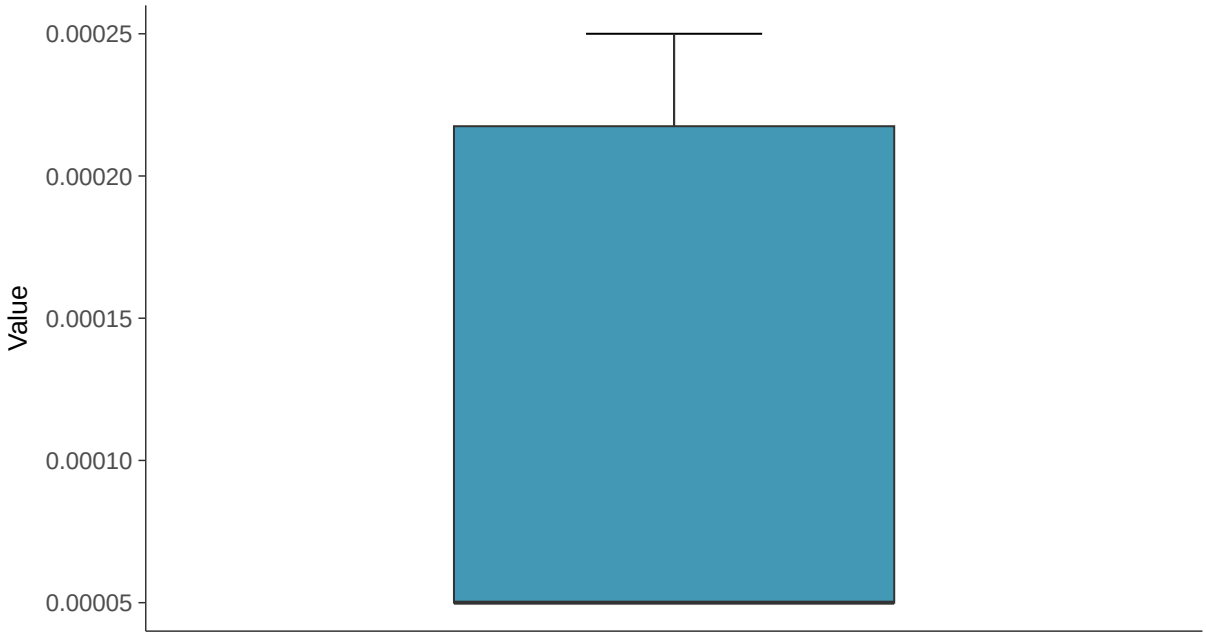
ID: 40_1_5_123





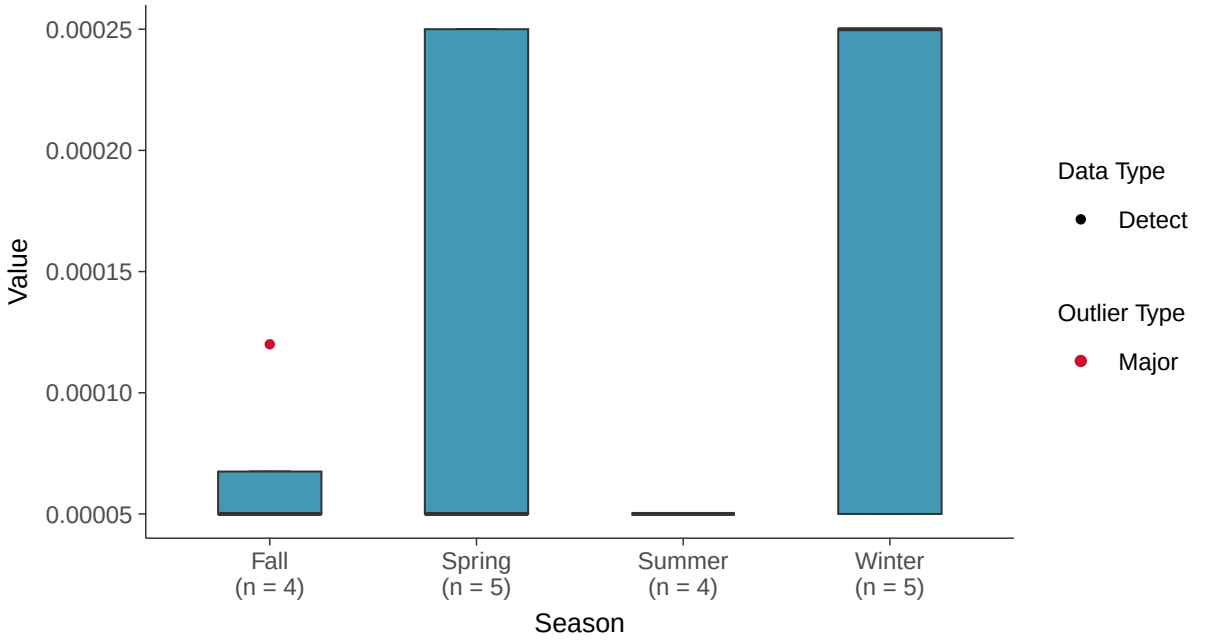
Boxplot

Silver, MW-30 (mg/L)



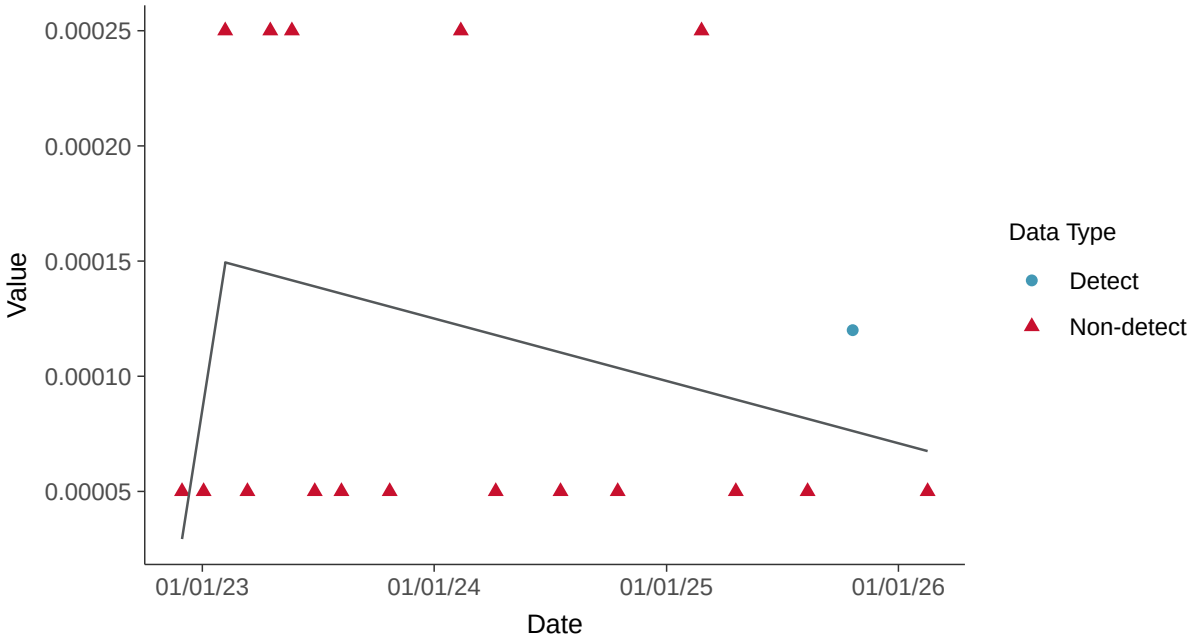
Boxplot by Season

Silver, MW-30 (mg/L)



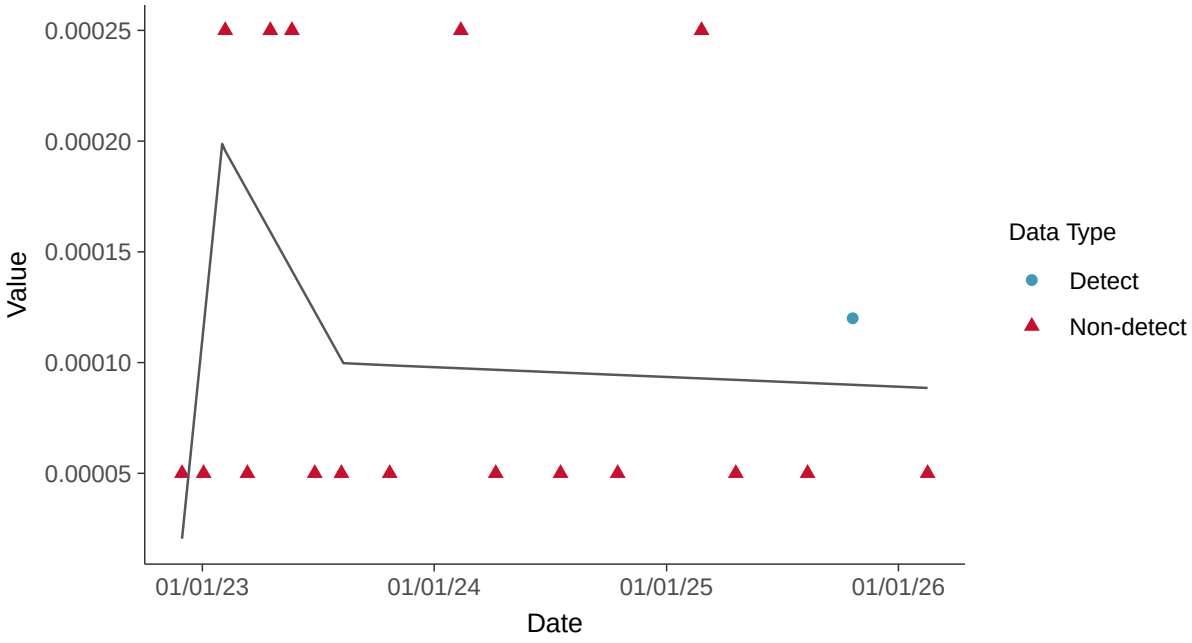
Trend Regression: Piecewise Linear-Linear

Silver, MW-30 (mg/L)



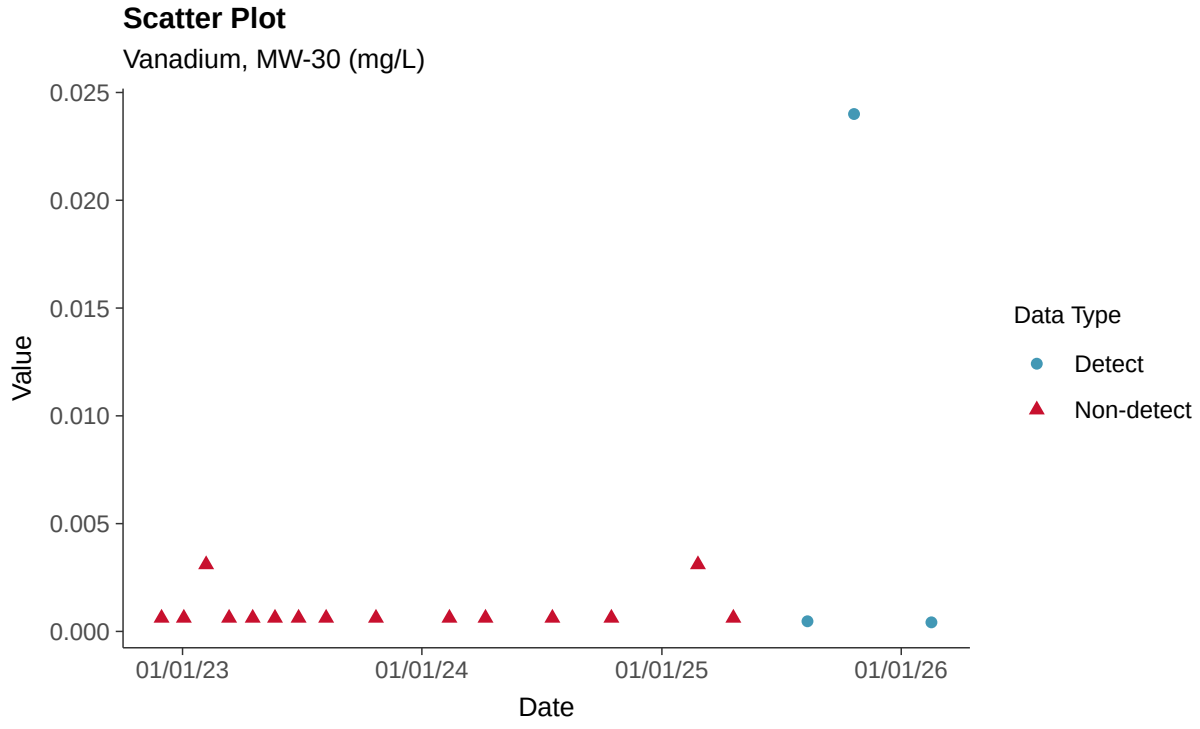
Trend Regression: Piecewise Linear-Linear-Linear

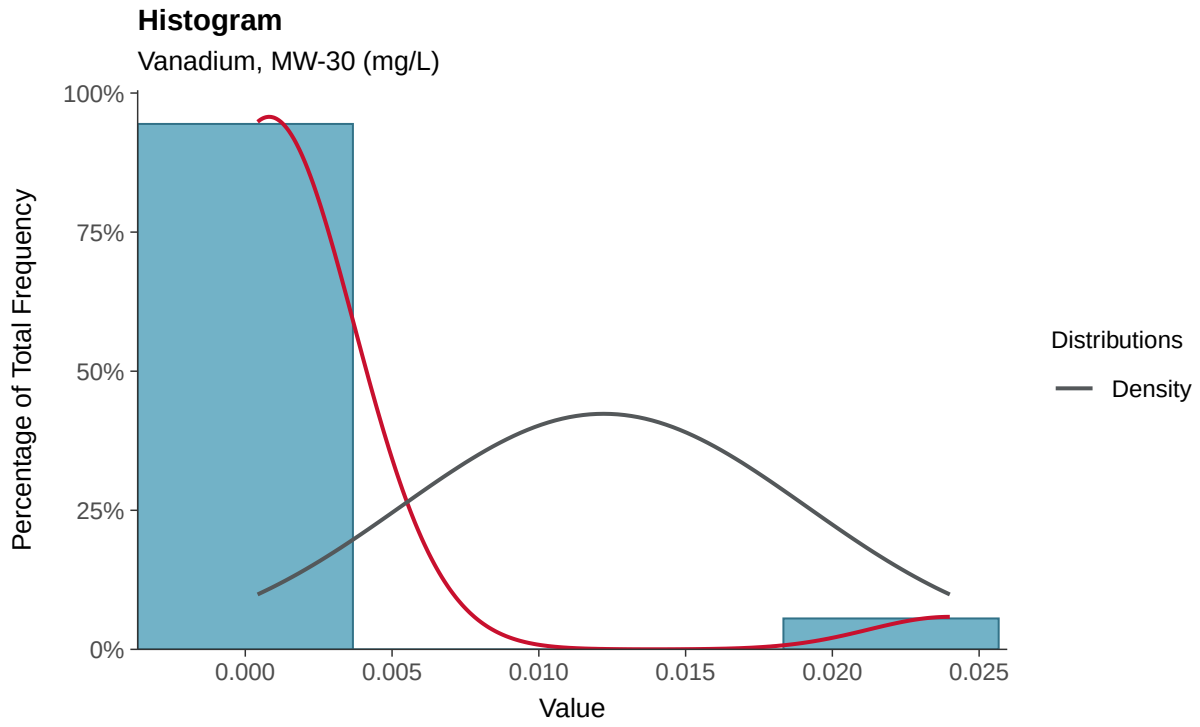
Silver, MW-30 (mg/L)



Part 115: Vanadium, MW-30

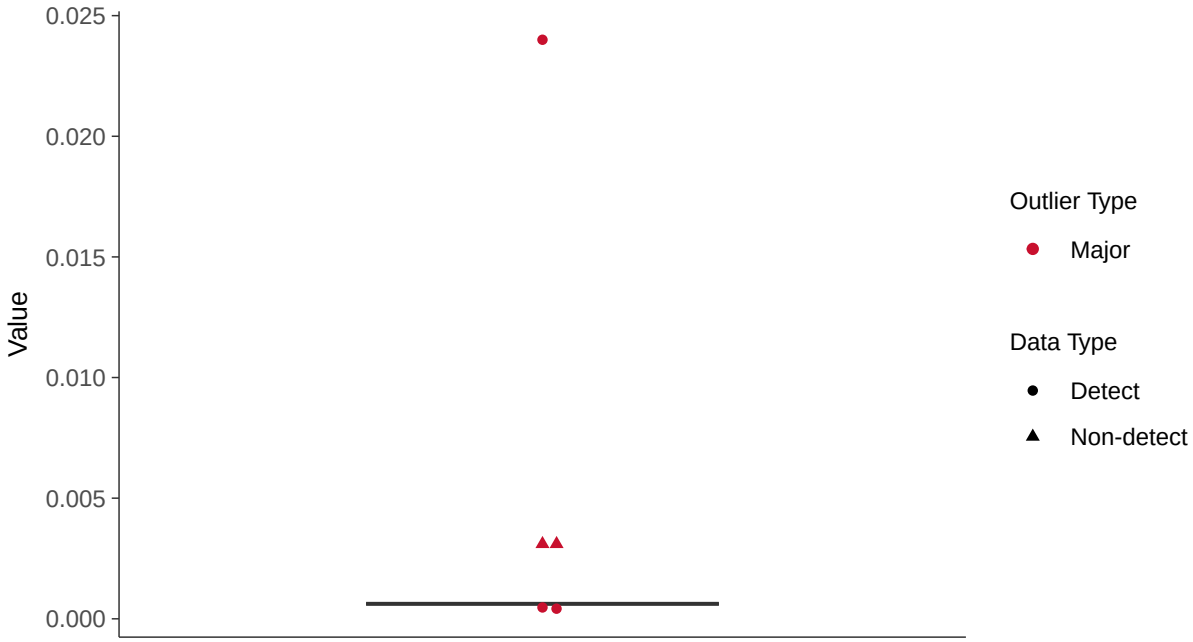
ID: 40_1_5_128





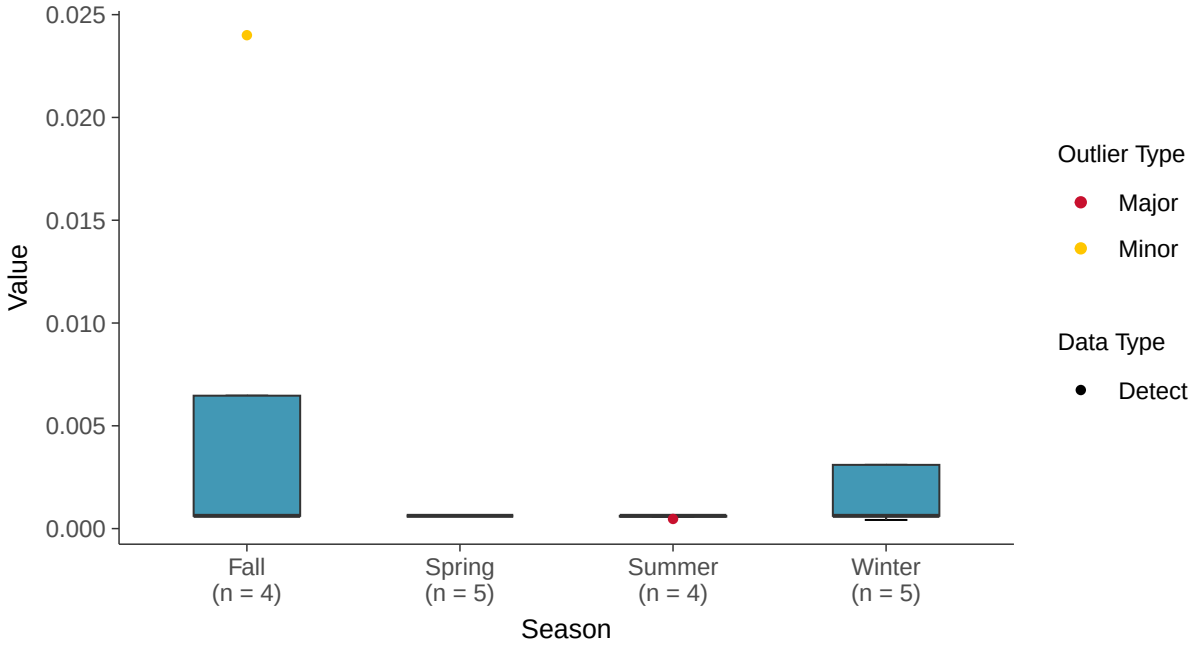
Boxplot

Vanadium, MW-30 (mg/L)



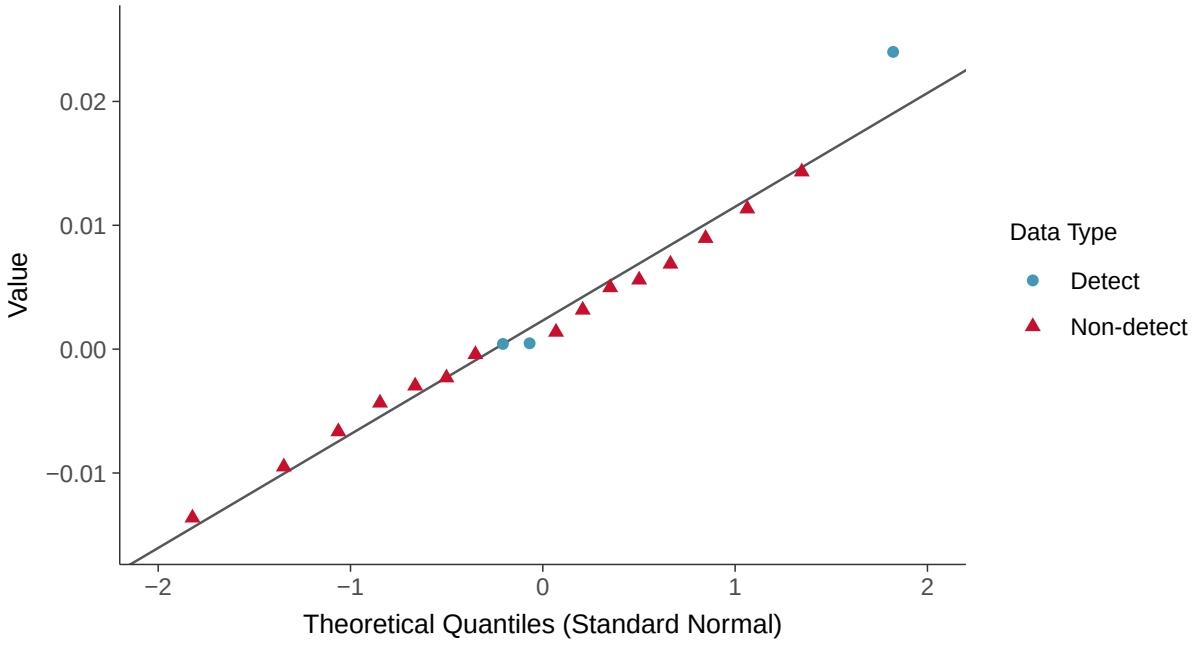
Boxplot by Season

Vanadium, MW-30 (mg/L)



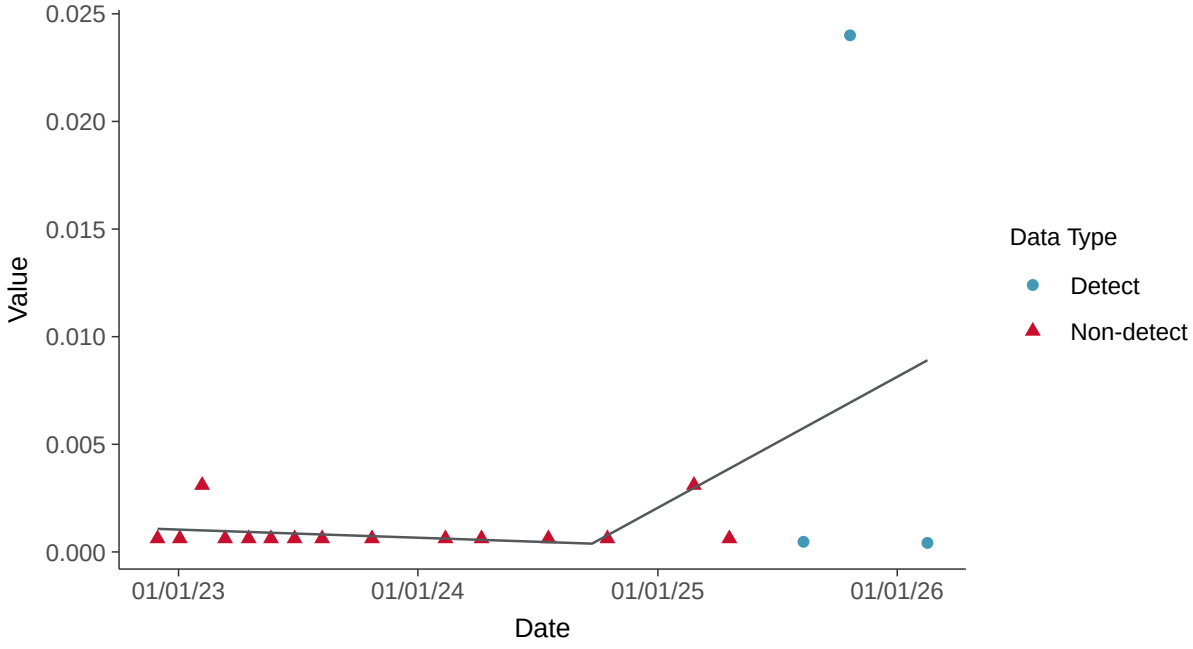
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-30 (mg/L)



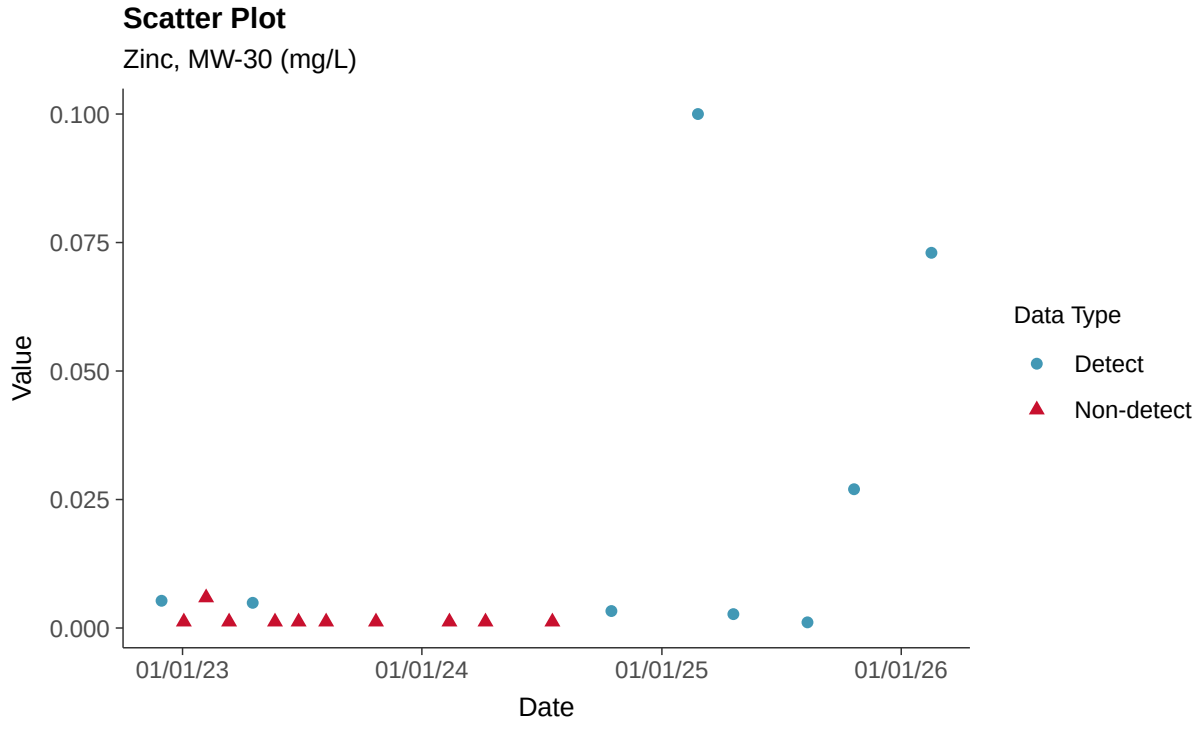
Trend Regression: Piecewise Linear-Linear

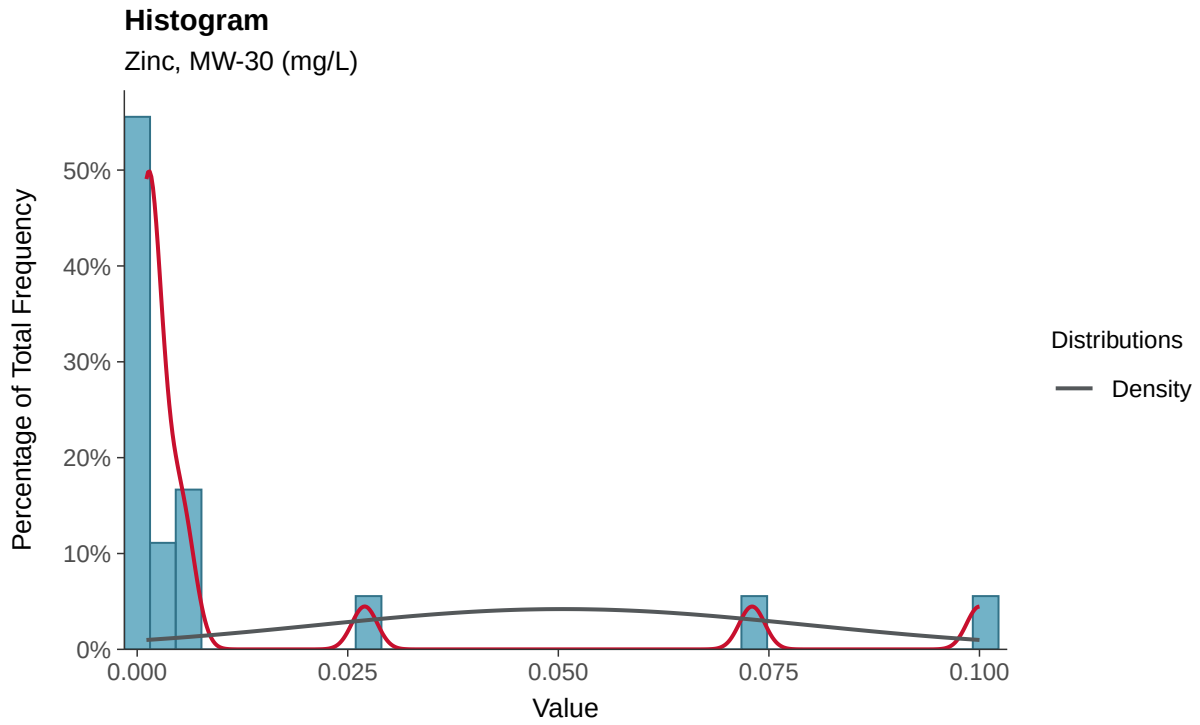
Vanadium, MW-30 (mg/L)



Part 115: Zinc, MW-30

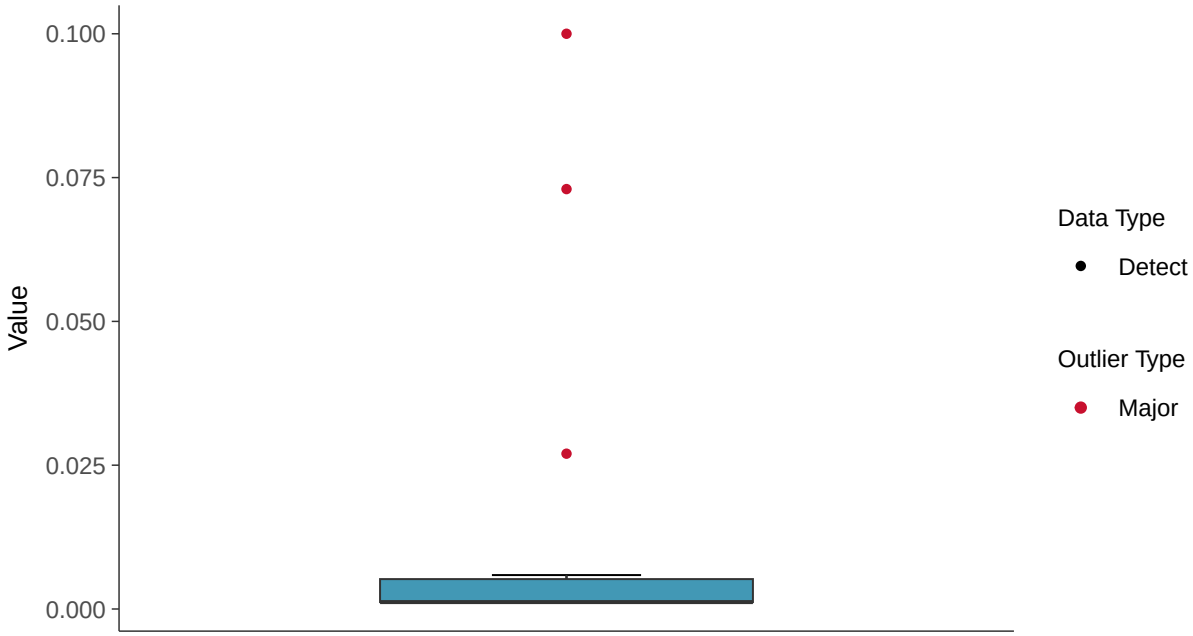
ID: 40_1_5_129





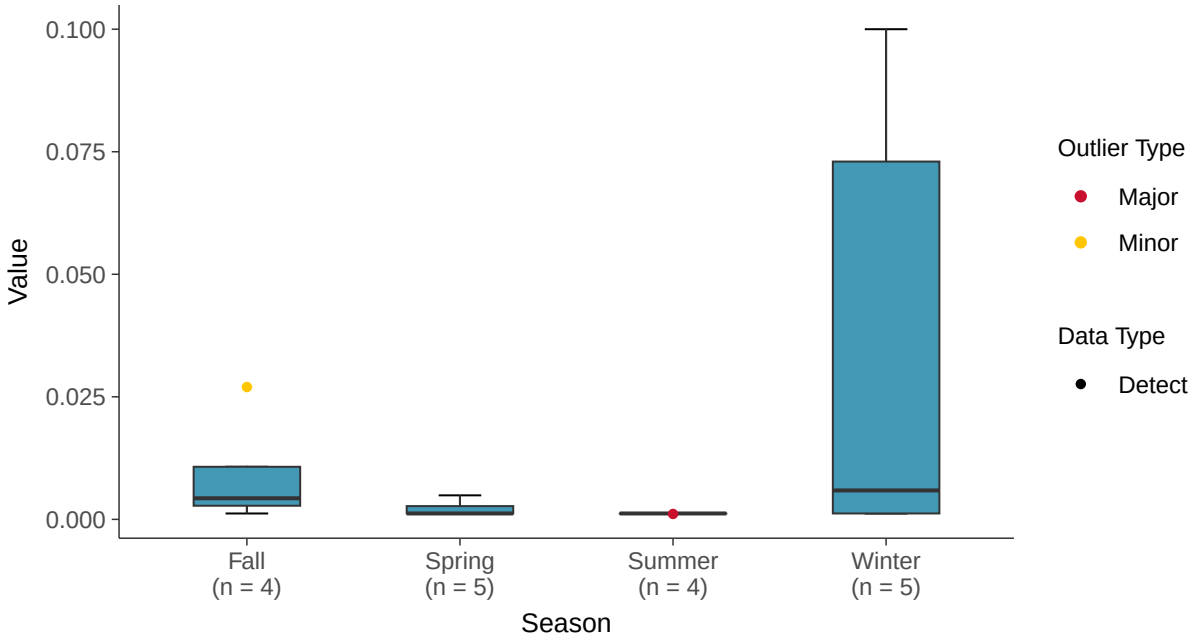
Boxplot

Zinc, MW-30 (mg/L)



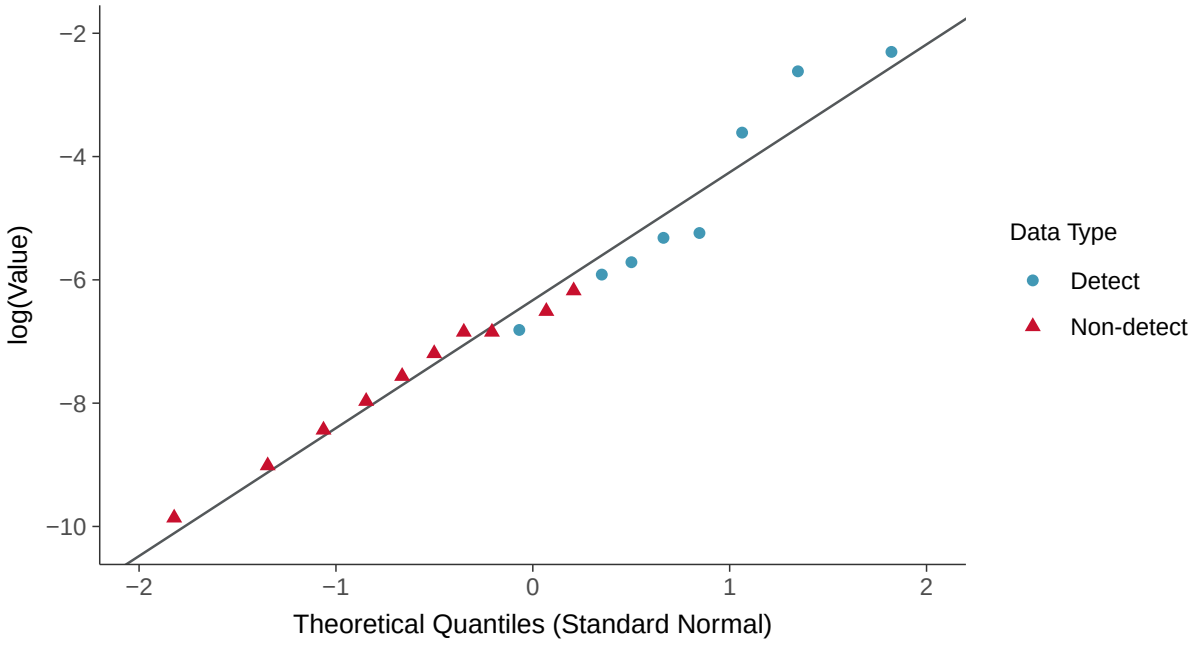
Boxplot by Season

Zinc, MW-30 (mg/L)



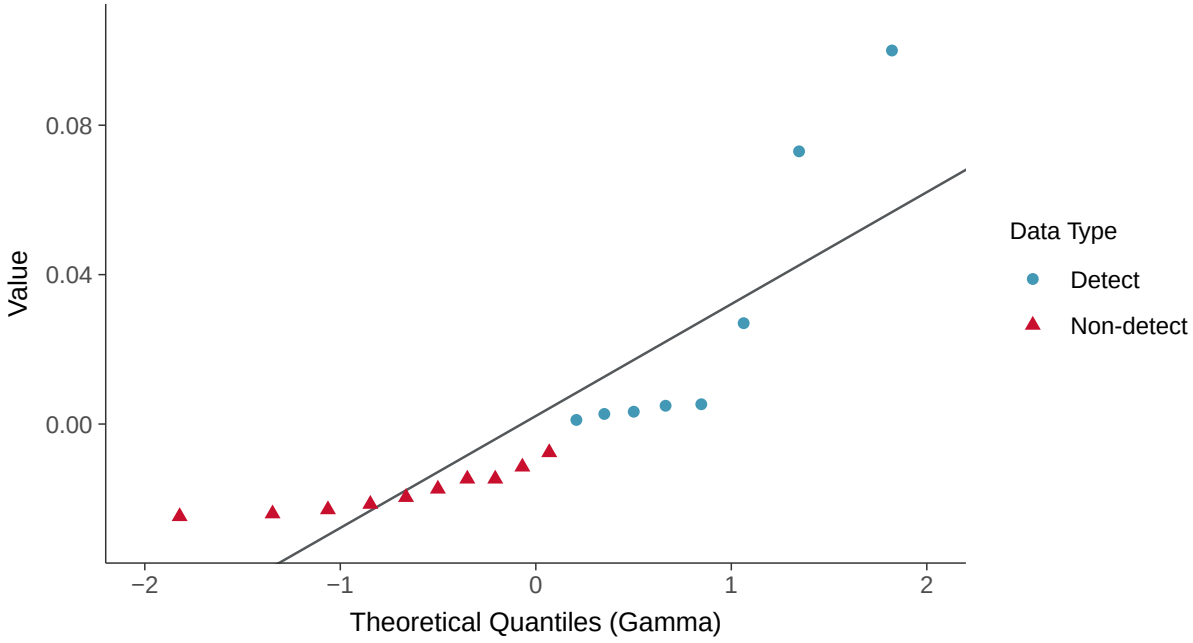
Lognormal Q-Q plot using ROS Imputed Estimates

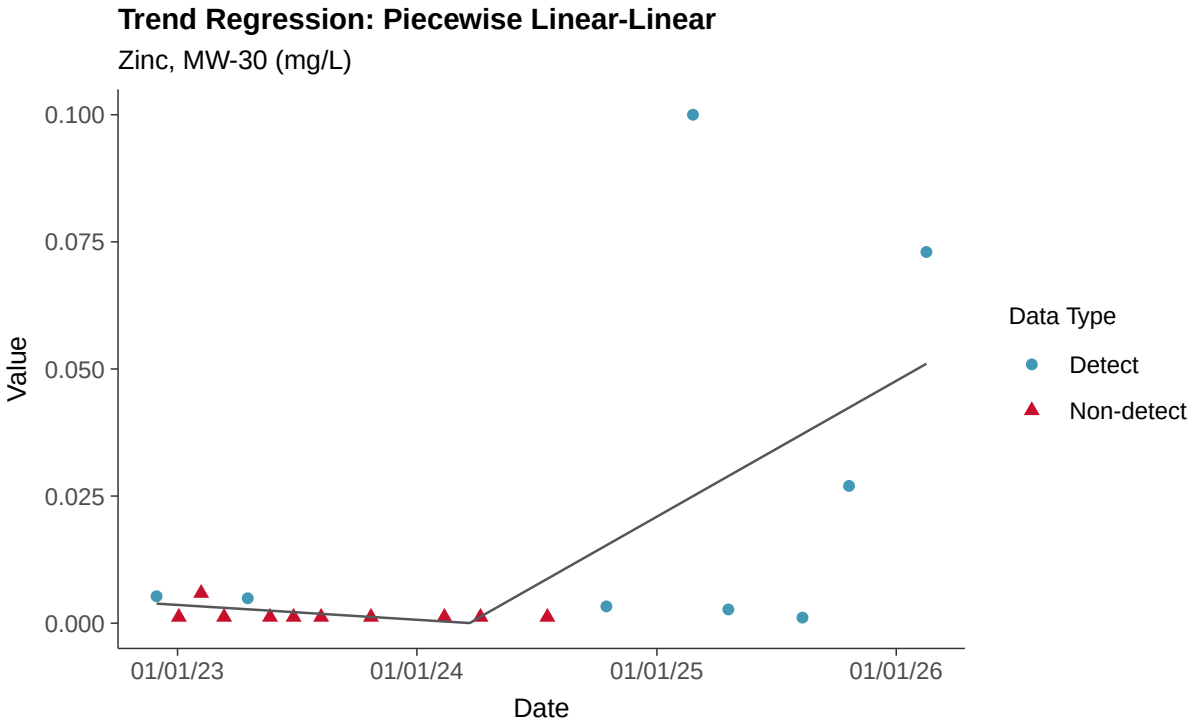
Zinc, MW-30 (mg/L)



Gamma Q-Q plot using ROS Imputed Estimates

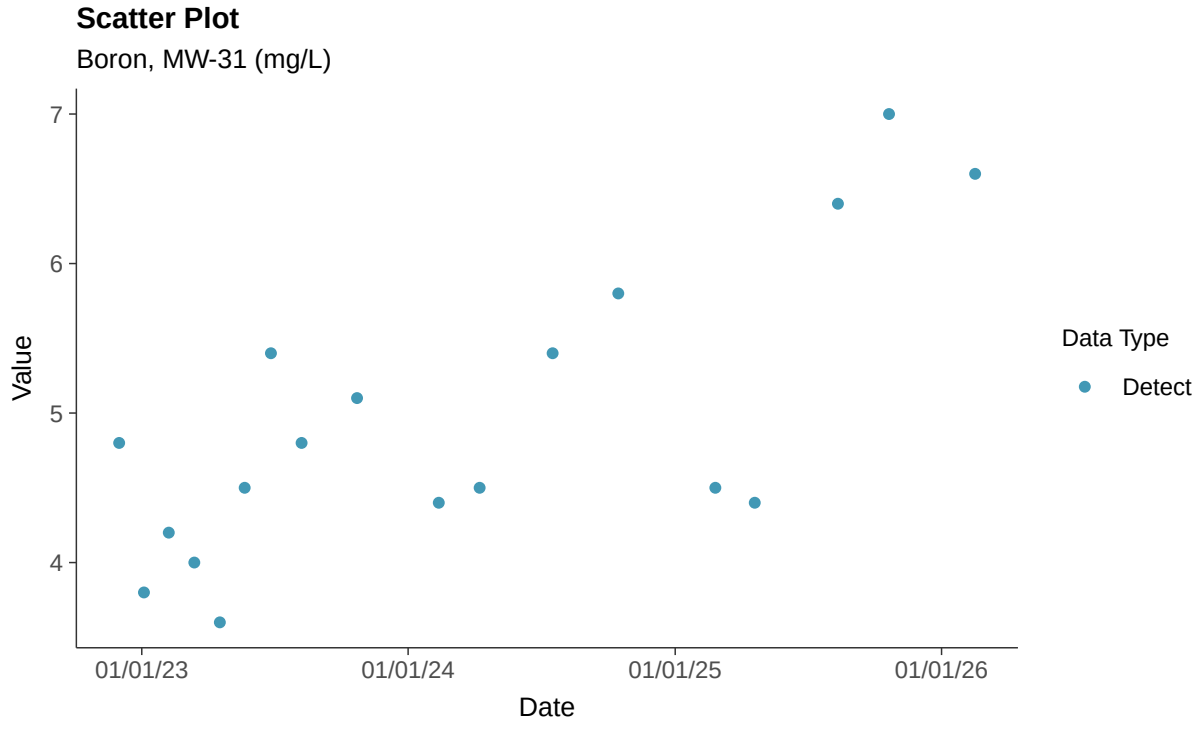
Zinc, MW-30 (mg/L)

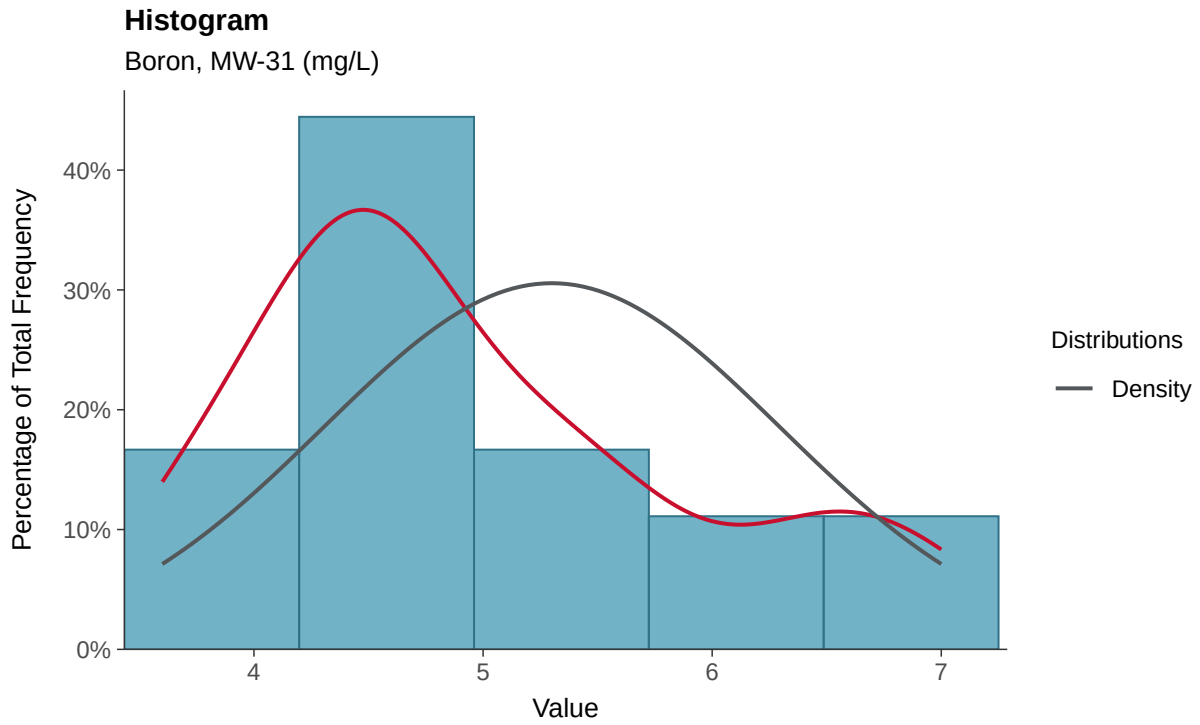



Trend Regression: Piecewise Linear-Linear
Zinc, MW-30 (mg/L)
0.100
0.075
0.050
0.025
0.000
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix III: Boron, MW-31

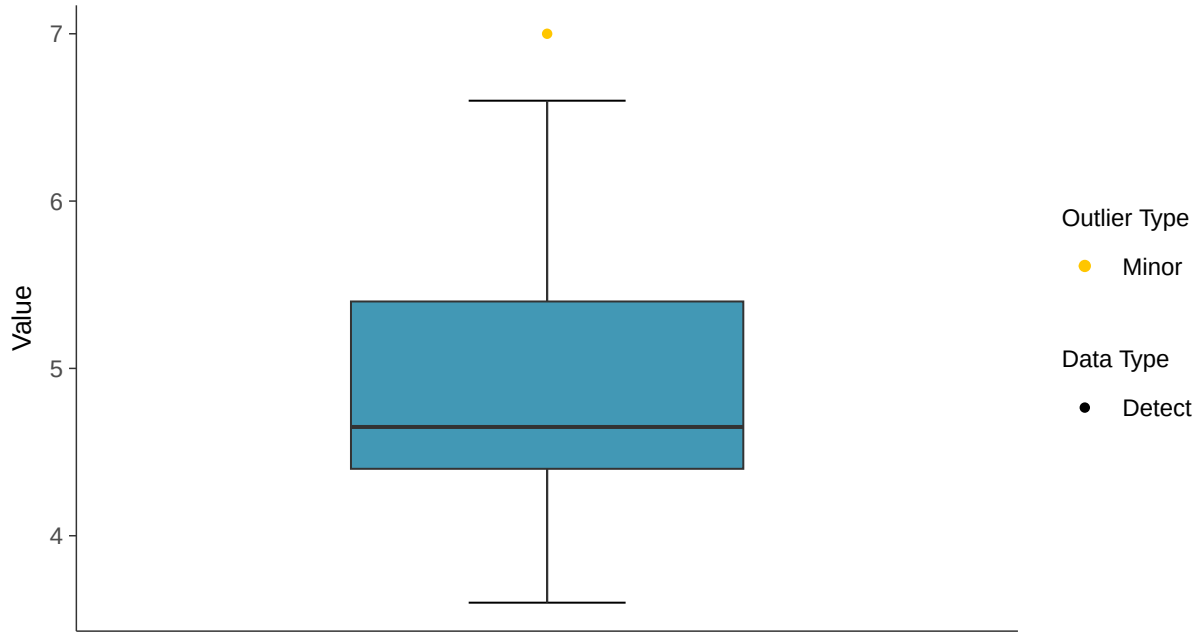
ID: 41_1_3_105





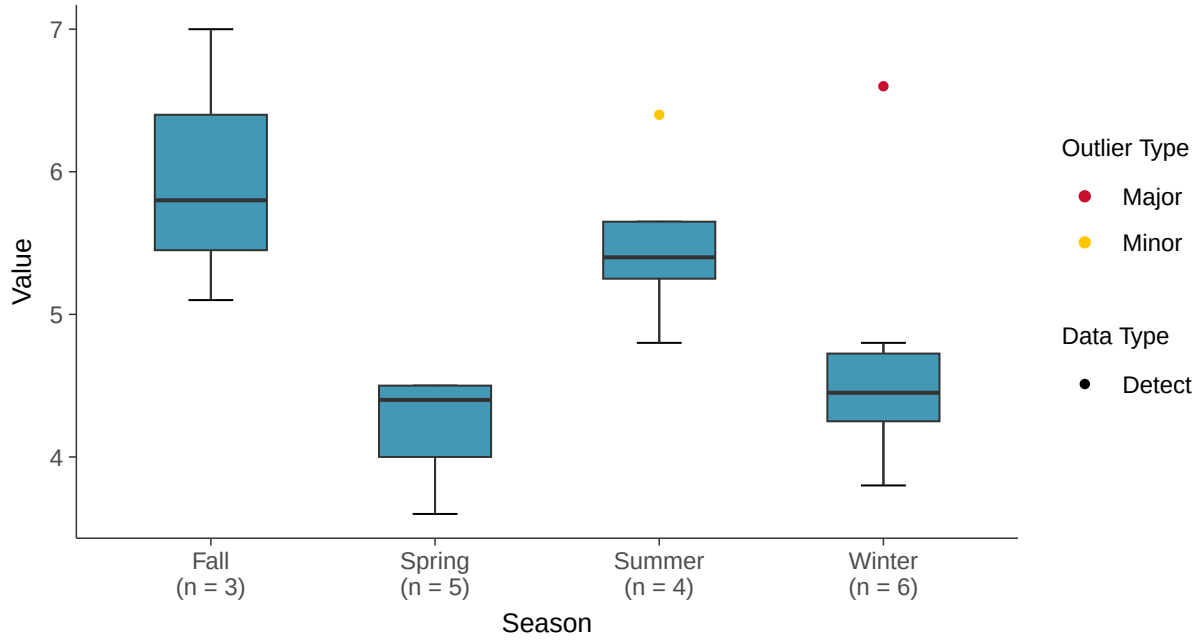
Boxplot

Boron, MW-31 (mg/L)



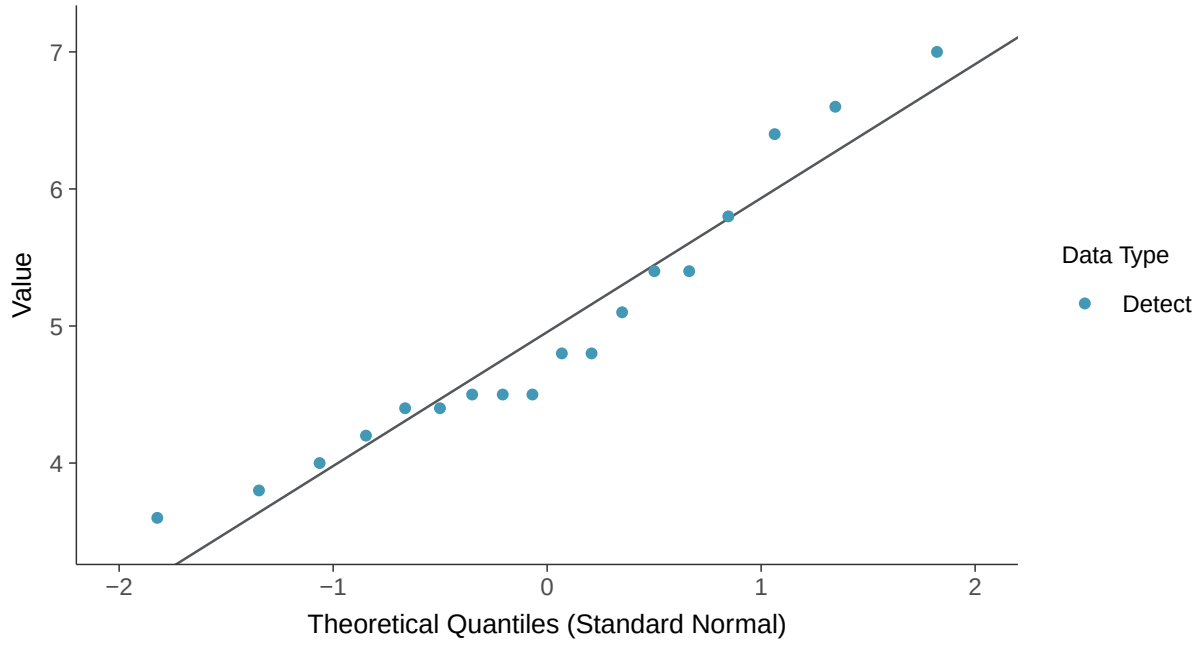
Boxplot by Season

Boron, MW-31 (mg/L)



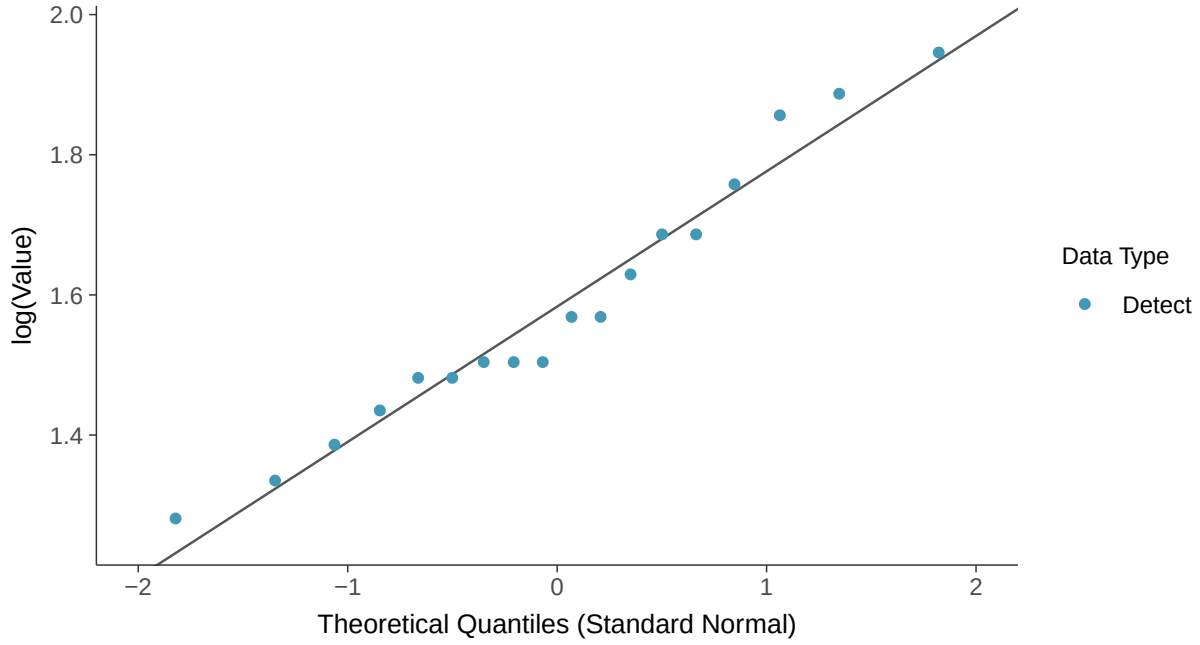
Normal Q-Q plot

Boron, MW-31 (mg/L)



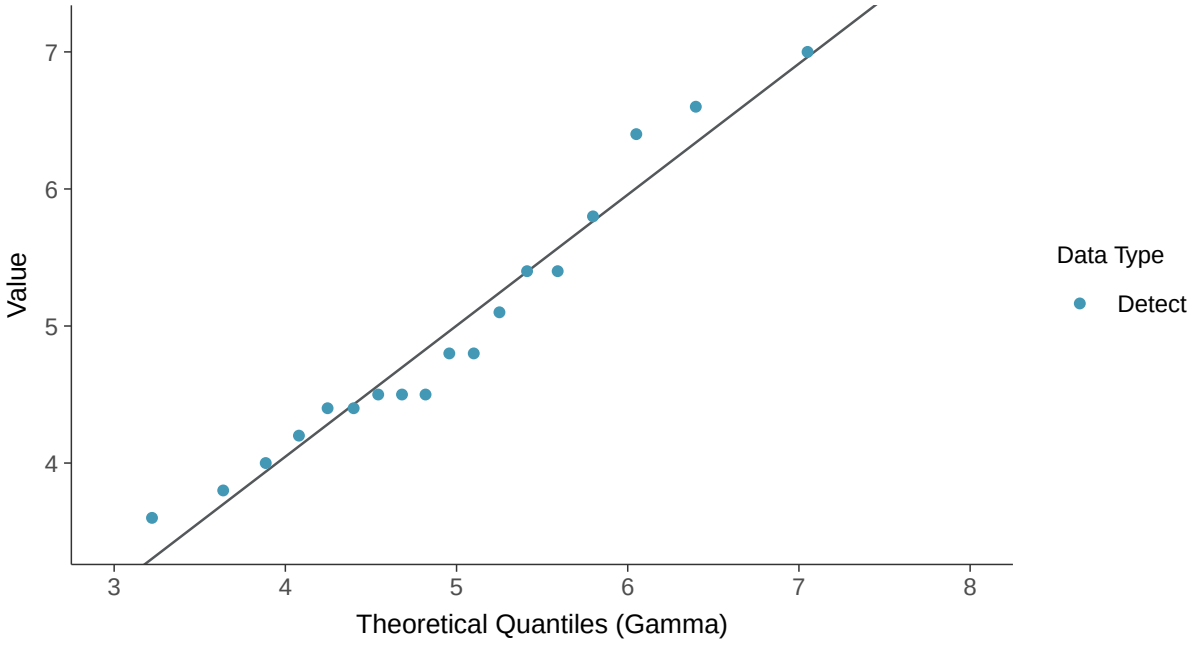
Lognormal Q-Q plot

Boron, MW-31 (mg/L)



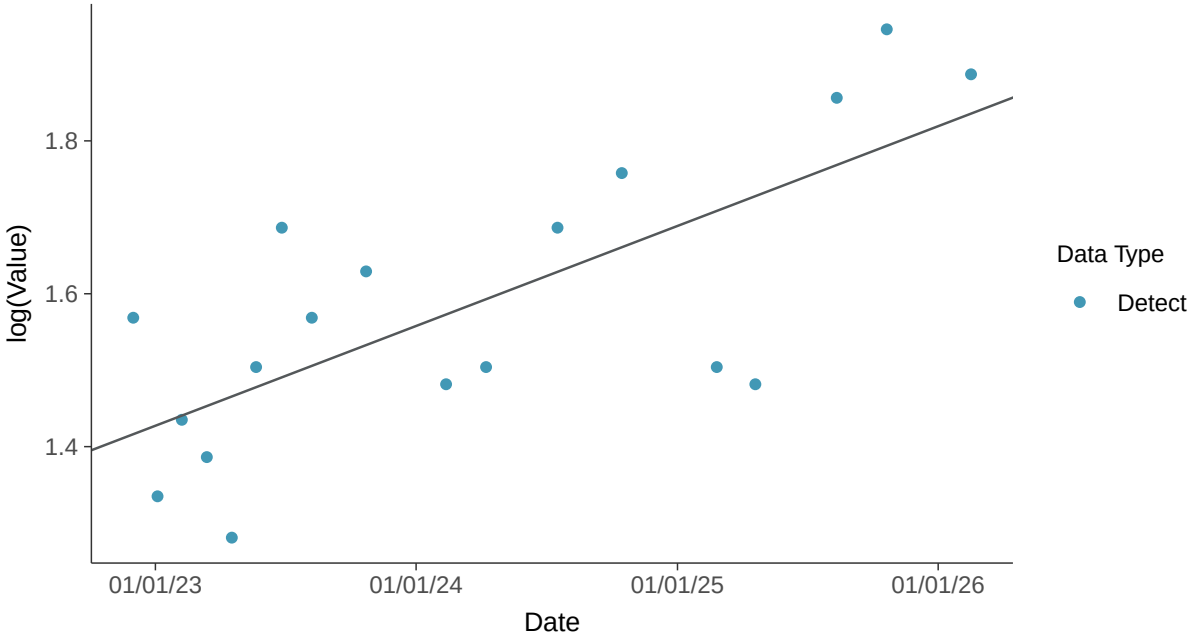
Gamma Q-Q plot

Boron, MW-31 (mg/L)



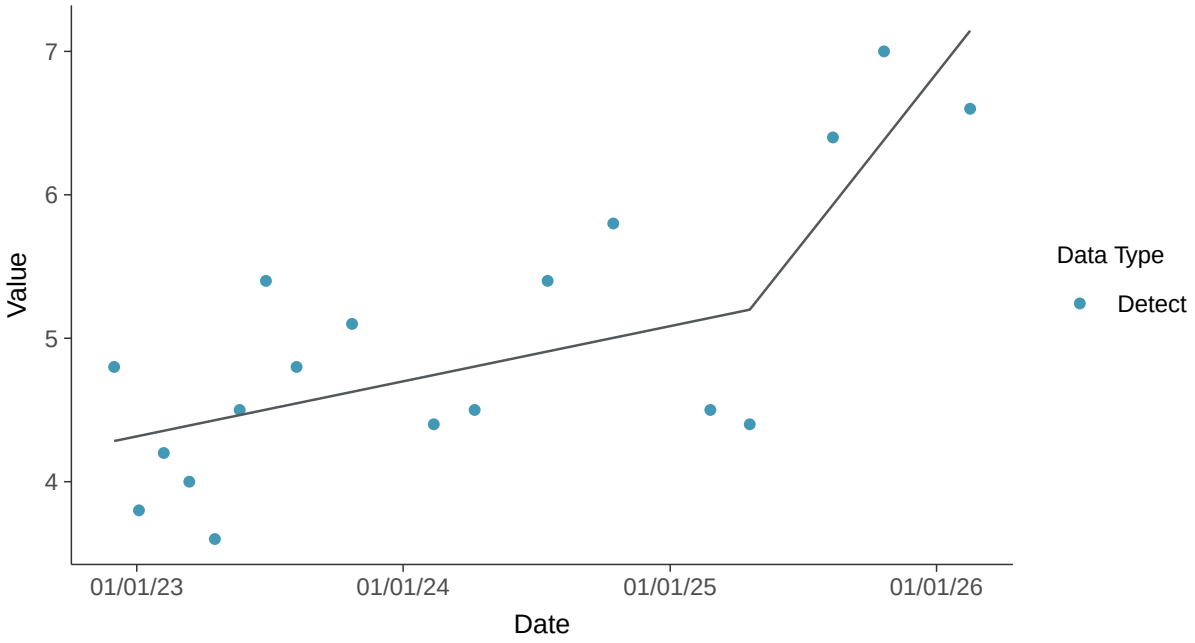
Trend Regression: Lognormal MLE

Boron, MW-31 (mg/L)



Trend Regression: Piecewise Linear-Linear

Boron, MW-31 (mg/L)

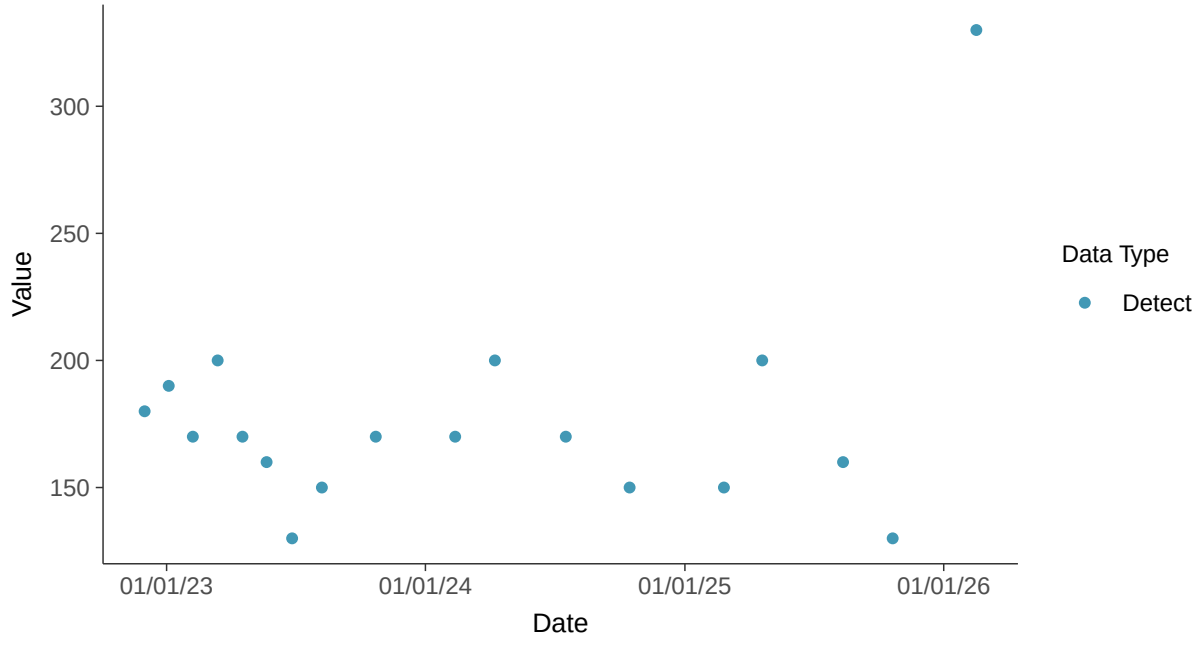


Appendix III: Calcium, MW-31

ID: 41_1_3_107

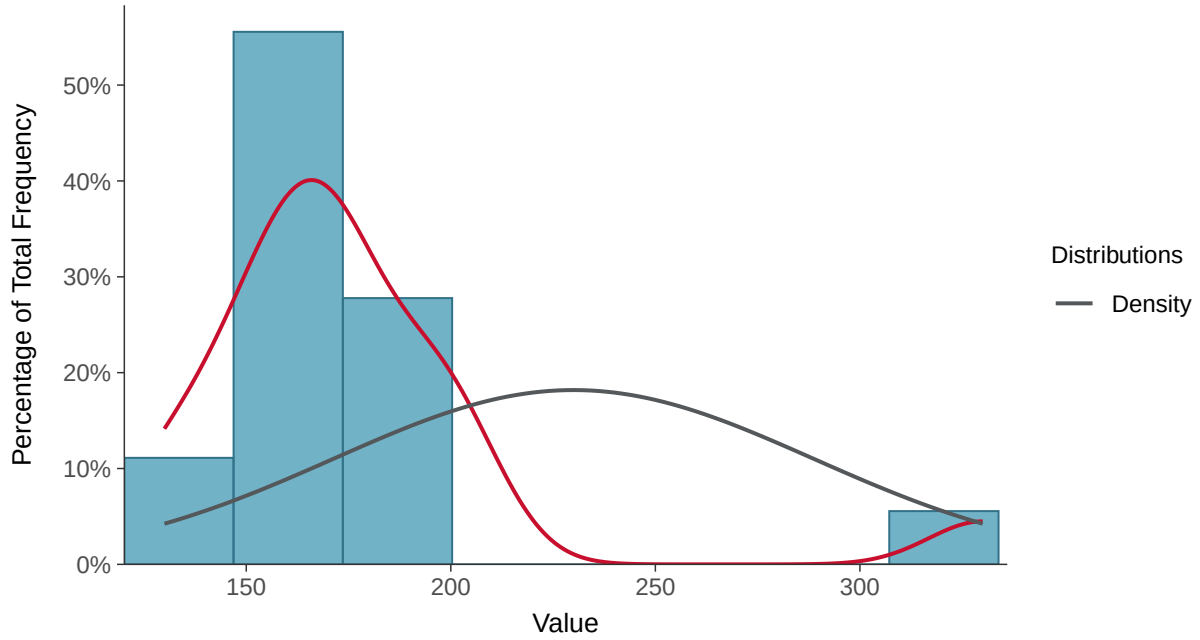
Scatter Plot

Calcium, MW-31 (mg/L)



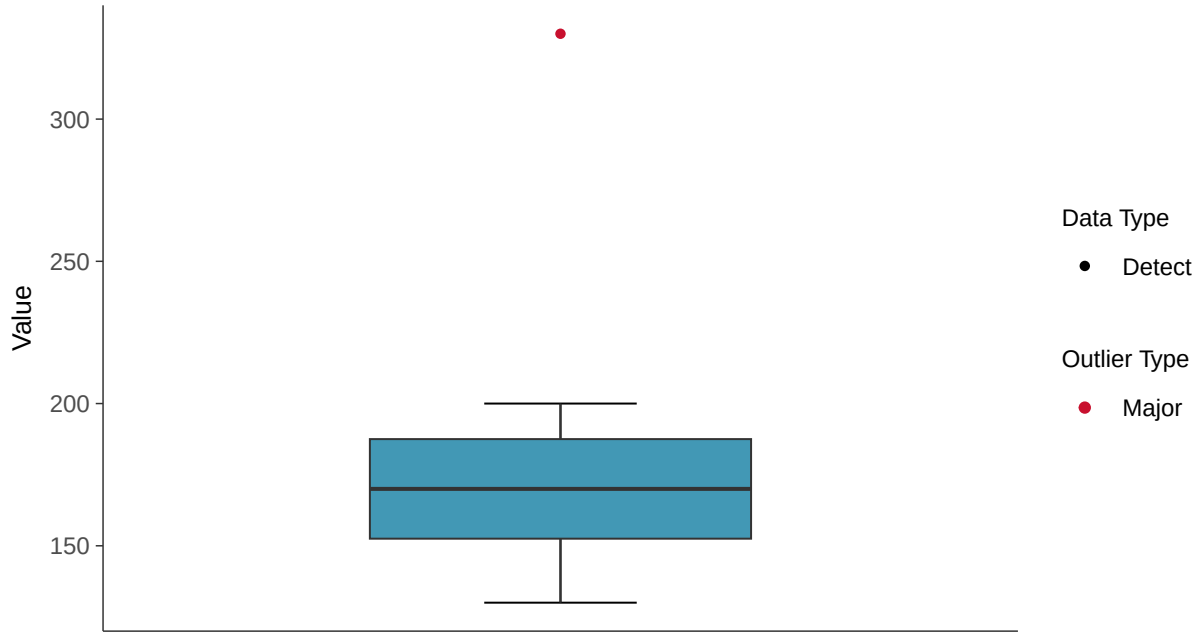
Histogram

Calcium, MW-31 (mg/L)



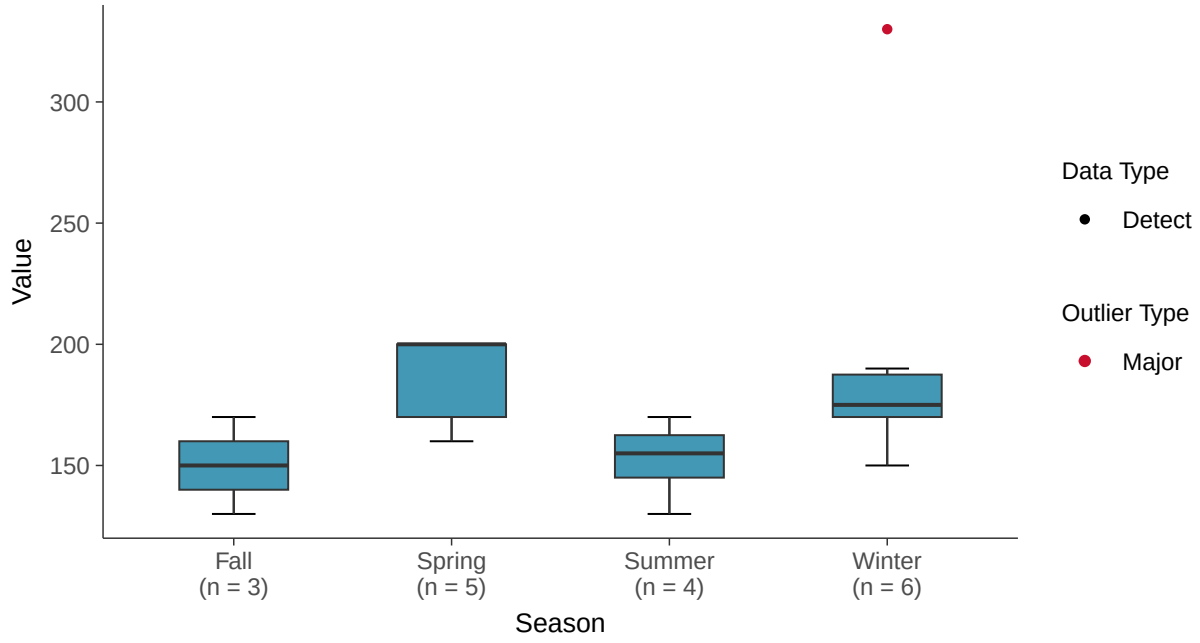
Boxplot

Calcium, MW-31 (mg/L)



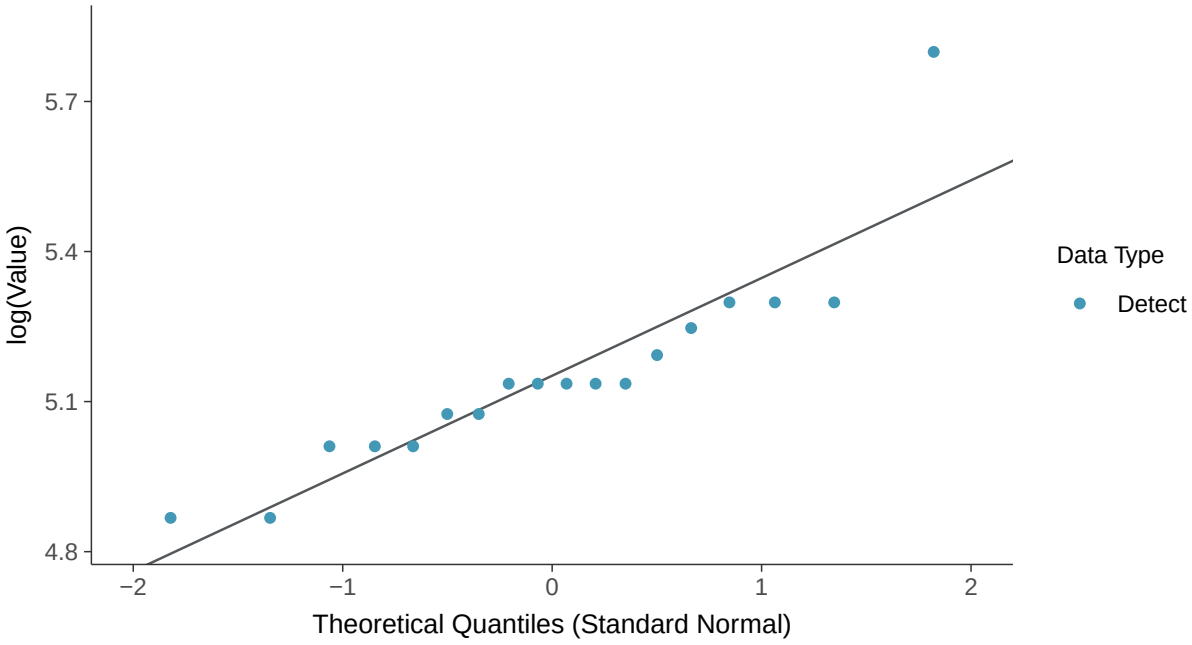
Boxplot by Season

Calcium, MW-31 (mg/L)



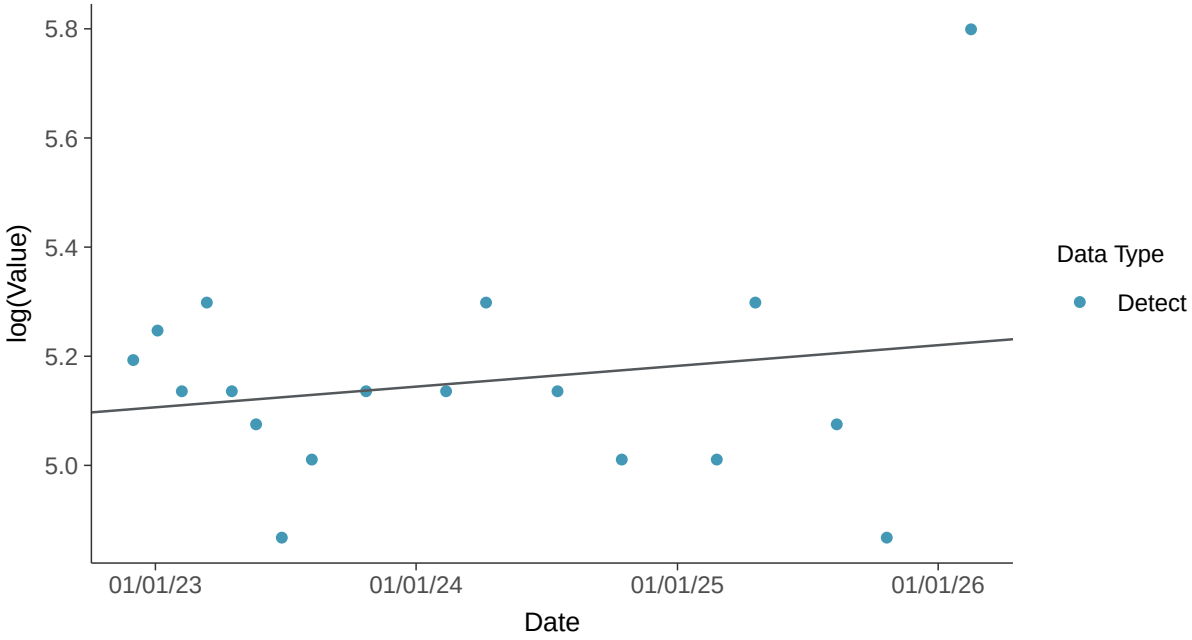
Lognormal Q-Q plot

Calcium, MW-31 (mg/L)



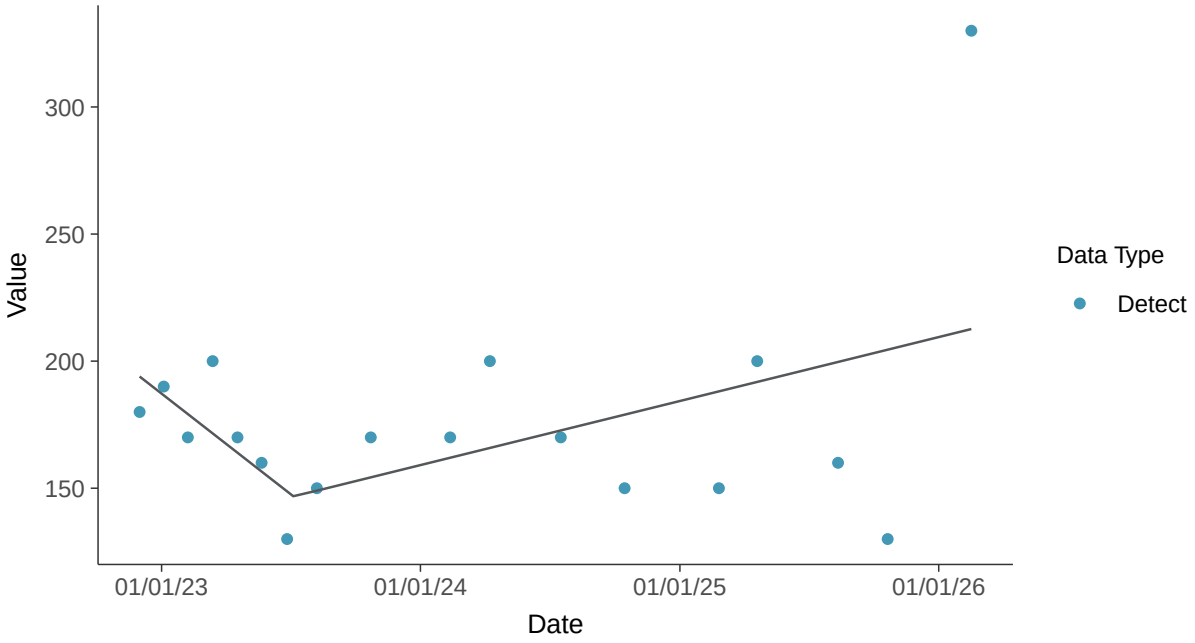
Trend Regression: Lognormal MLE

Calcium, MW-31 (mg/L)



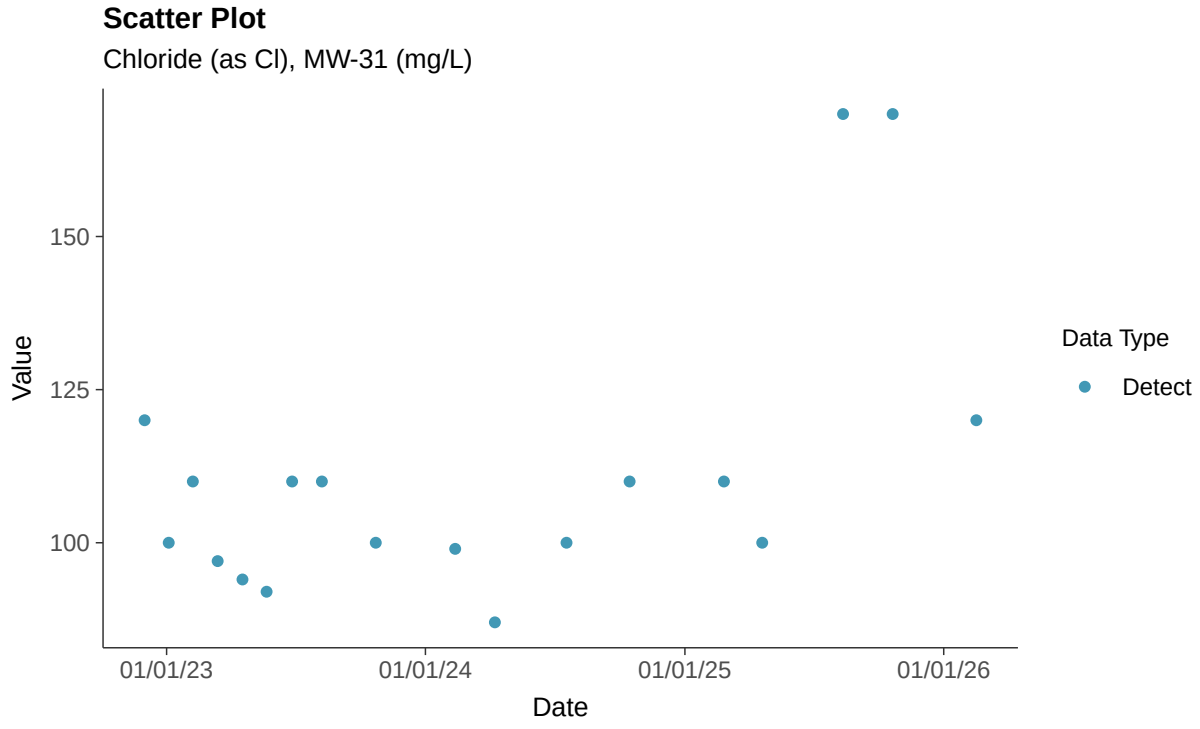
Trend Regression: Piecewise Linear-Linear

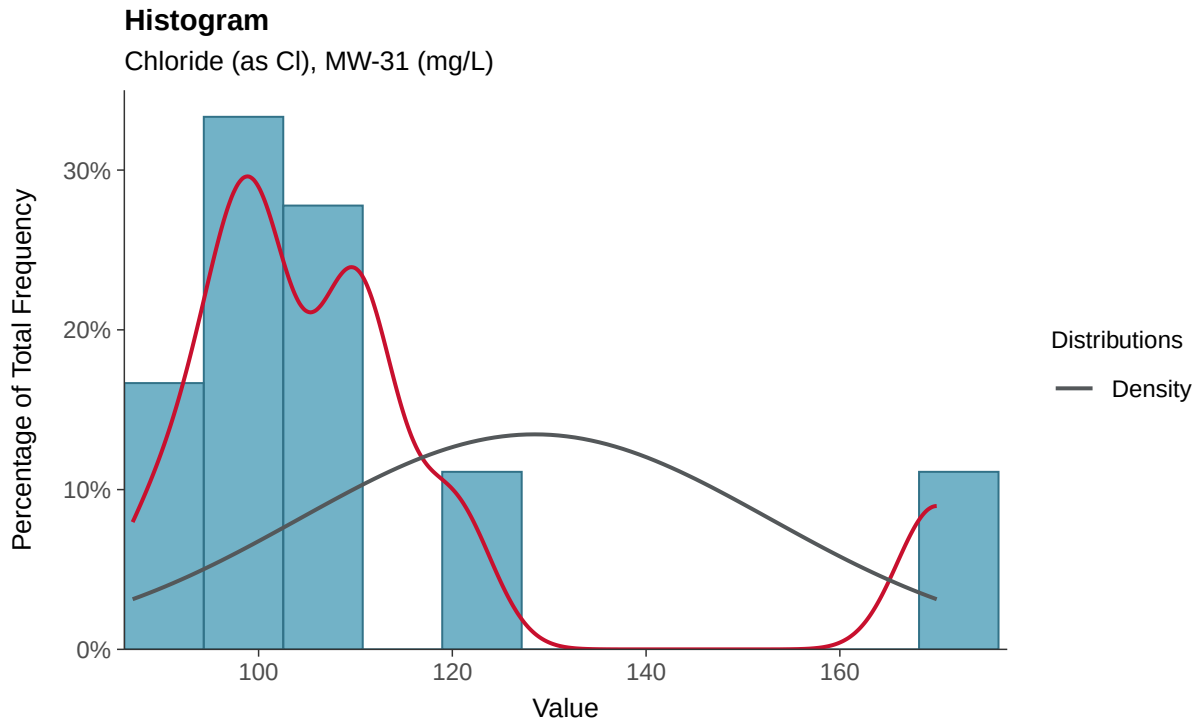
Calcium, MW-31 (mg/L)



Appendix III: Chloride (as Cl), MW-31

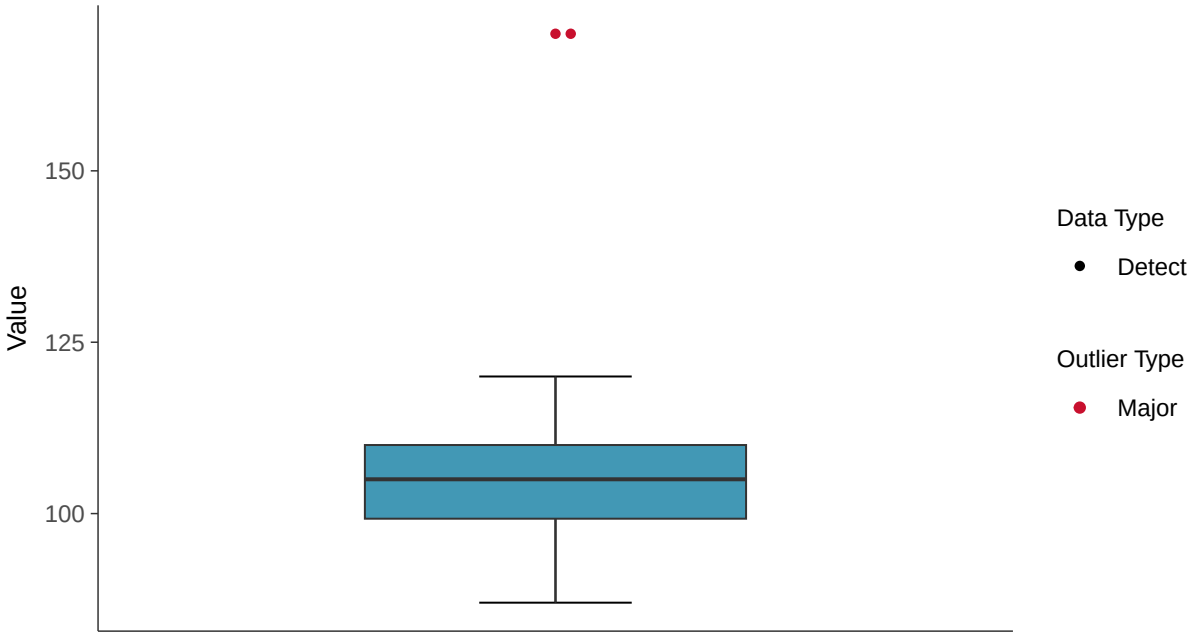
ID: 41_1_3_108





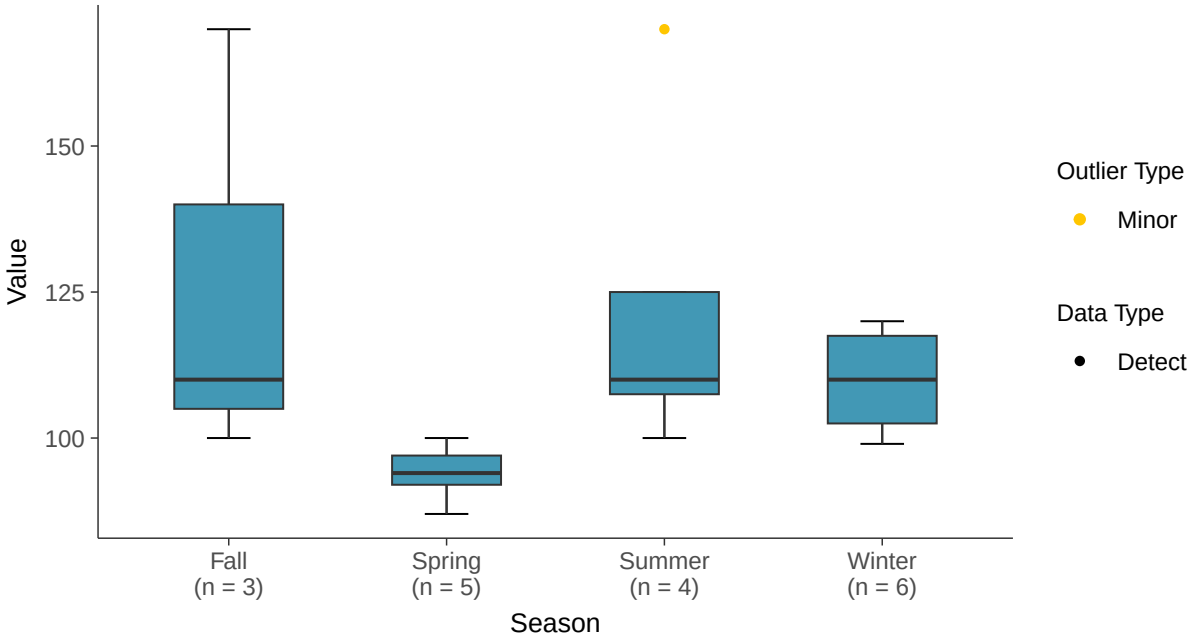
Boxplot

Chloride (as Cl), MW-31 (mg/L)



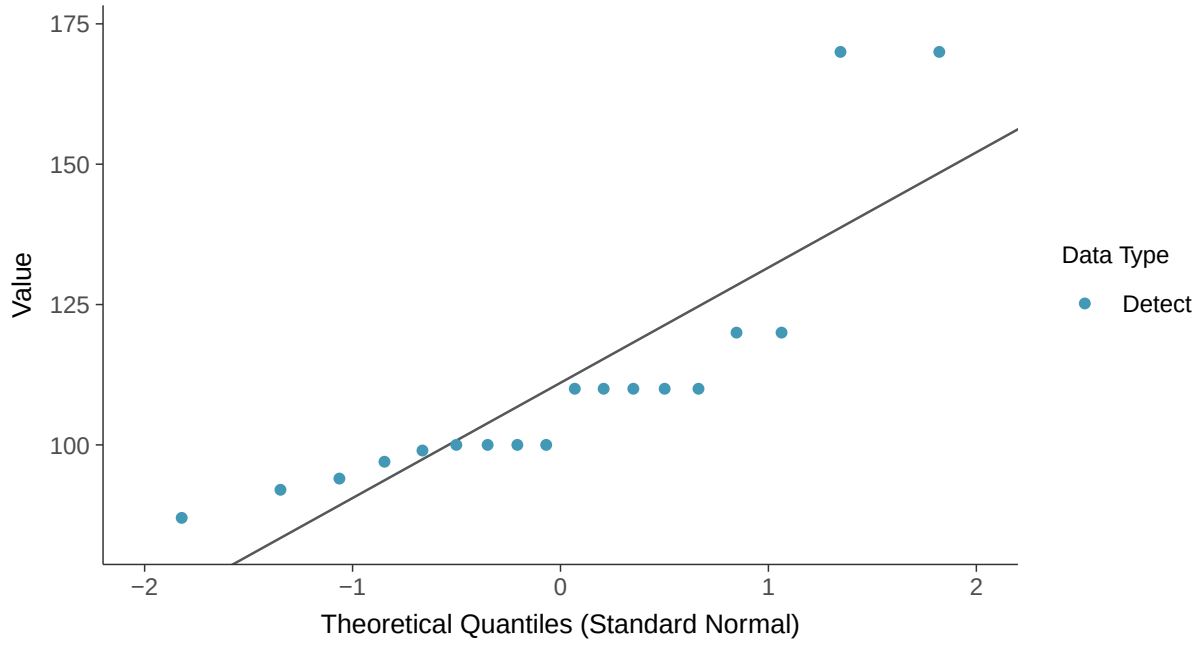
Boxplot by Season

Chloride (as Cl), MW-31 (mg/L)



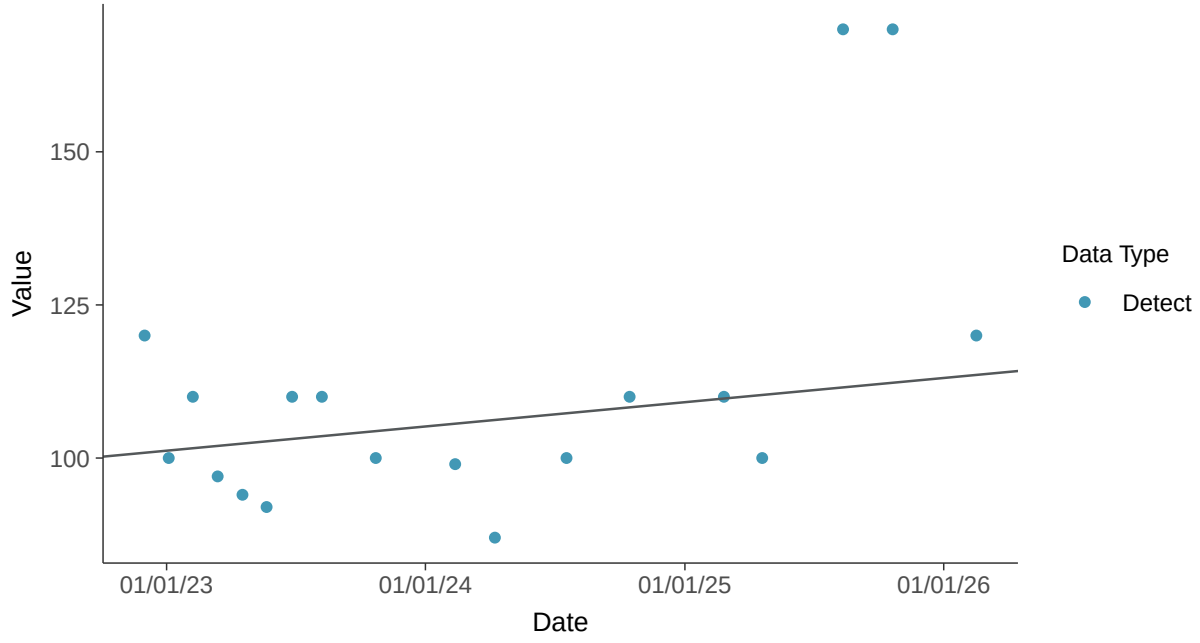
Normal Q-Q plot

Chloride (as Cl), MW-31 (mg/L)



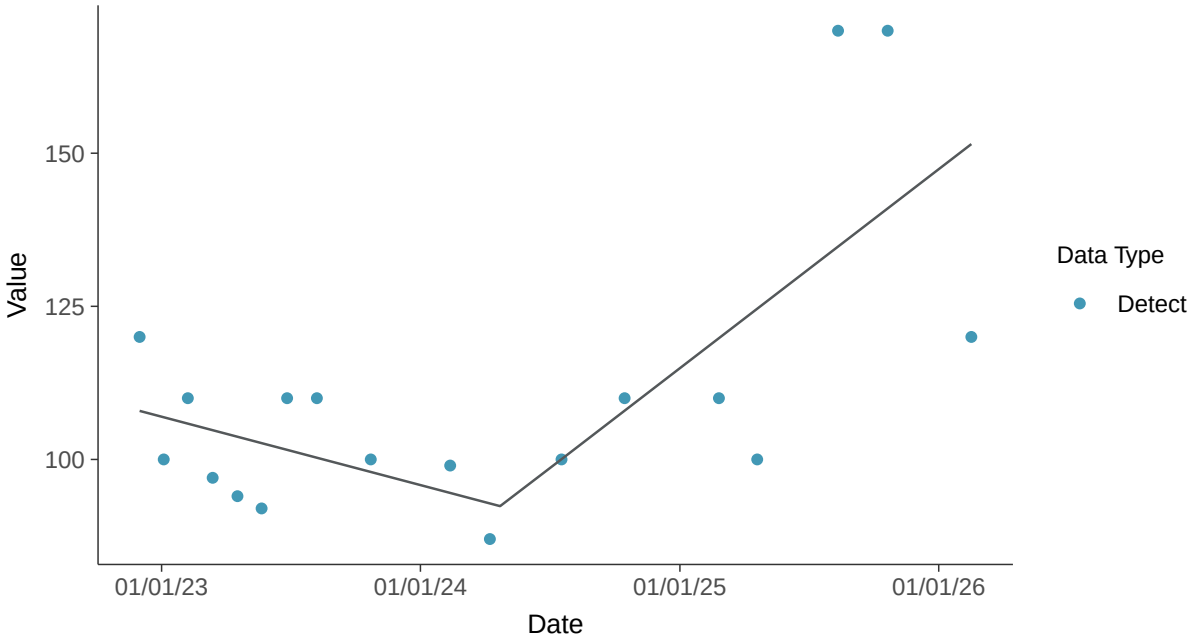
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Chloride (as Cl), MW-31 (mg/L)



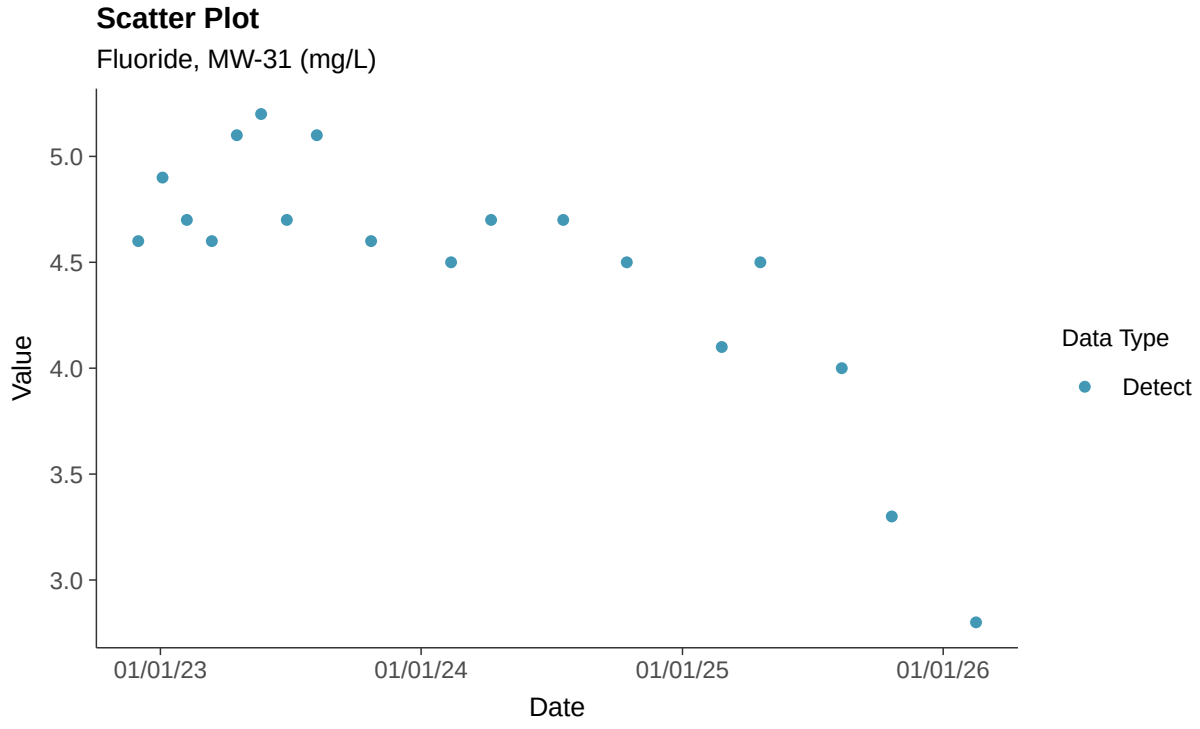
Trend Regression: Piecewise Linear-Linear

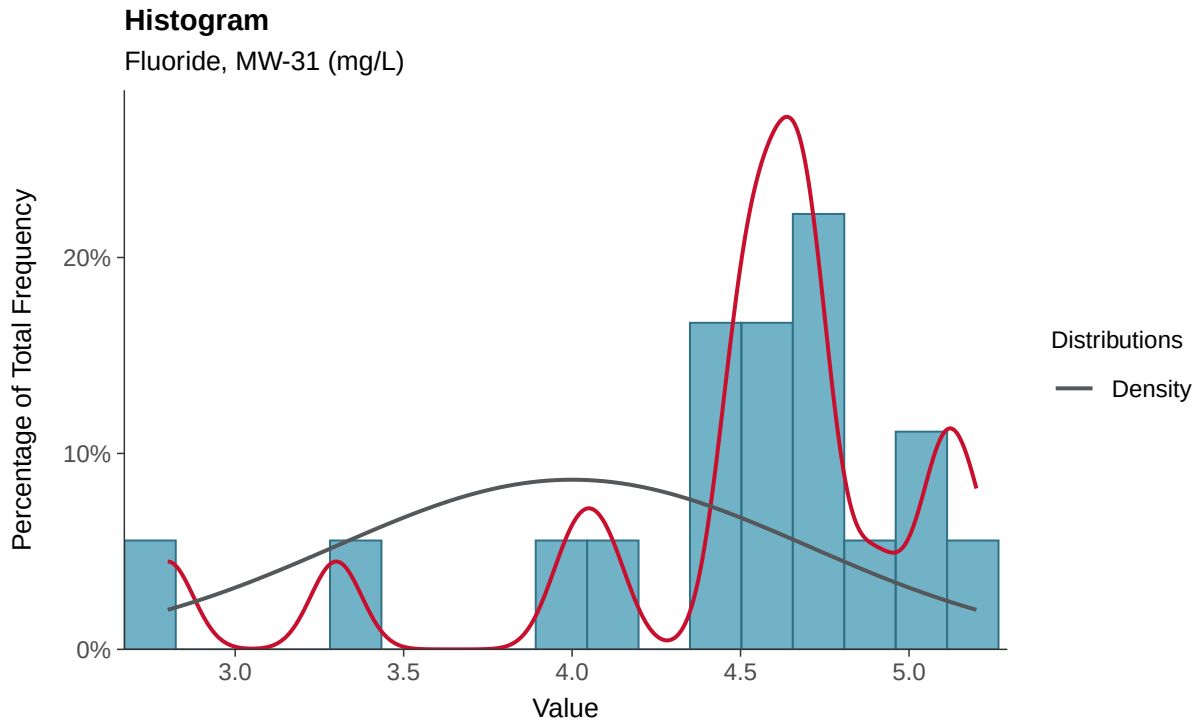
Chloride (as Cl), MW-31 (mg/L)



Appendix III: Fluoride, MW-31

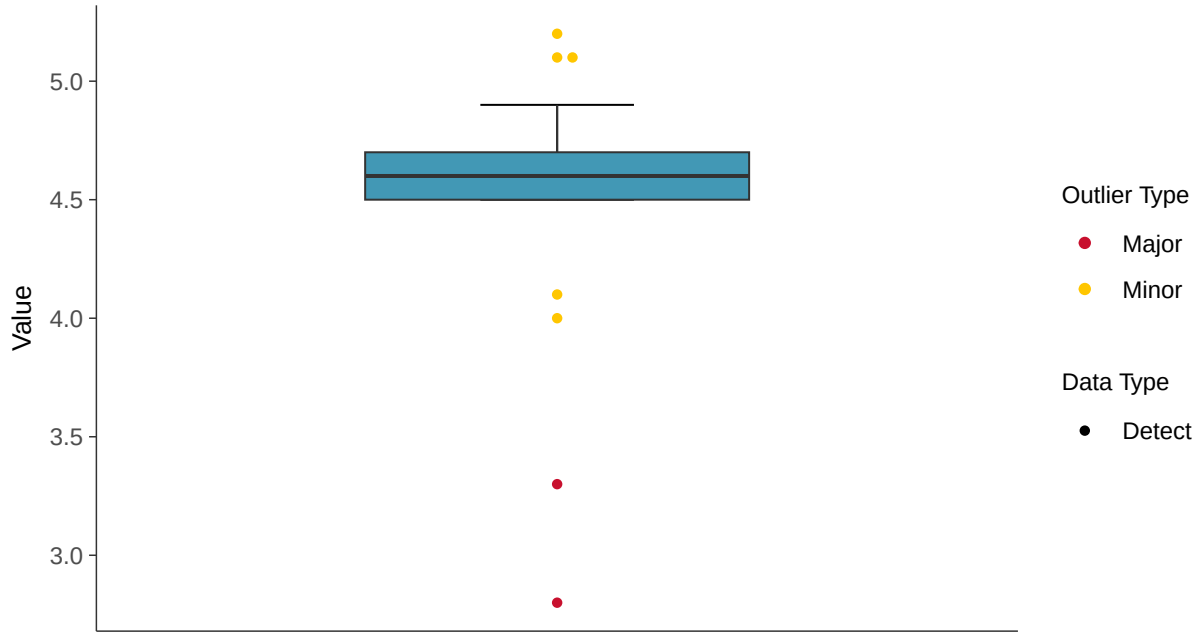
ID: 41_1_3_112





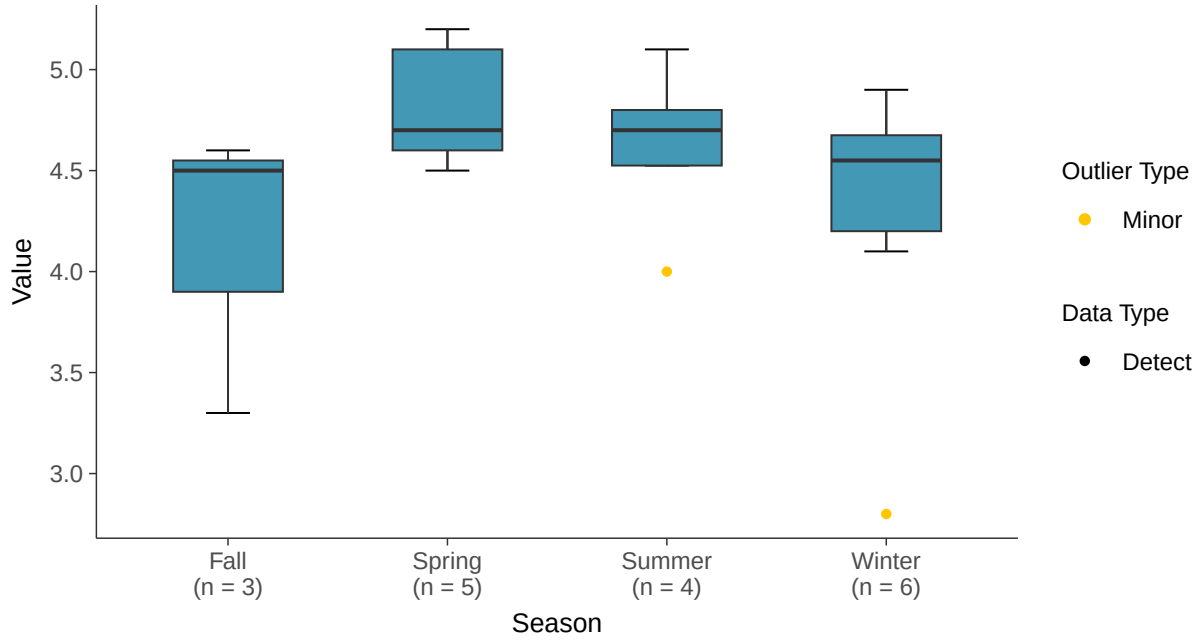
Boxplot

Fluoride, MW-31 (mg/L)



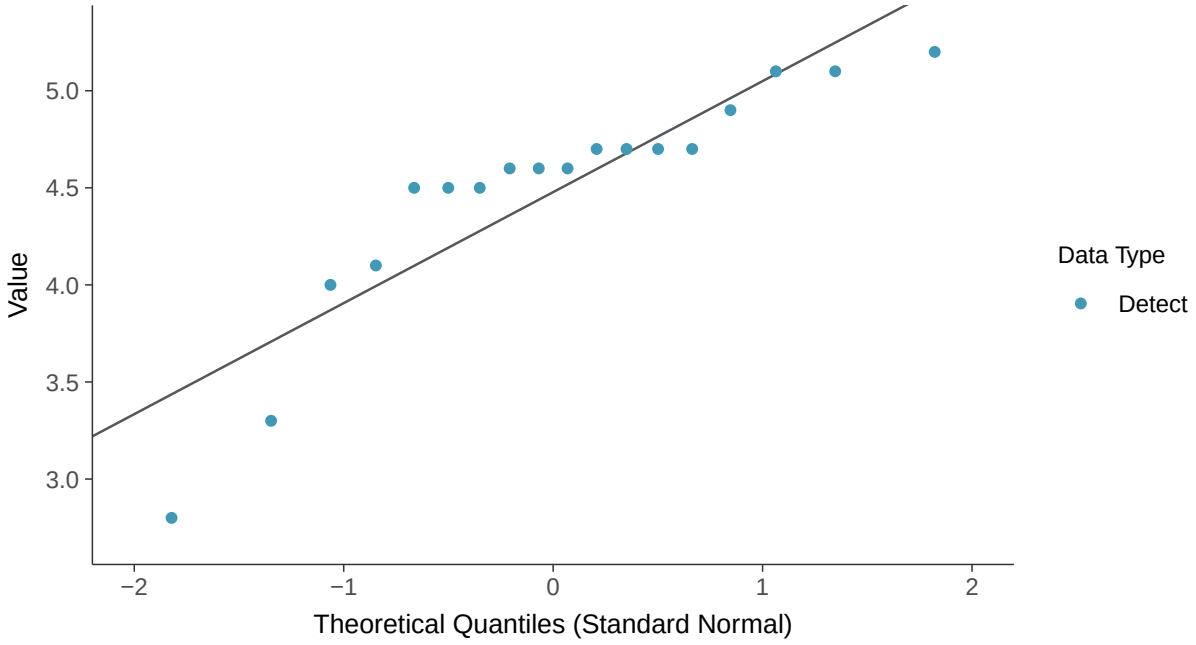
Boxplot by Season

Fluoride, MW-31 (mg/L)



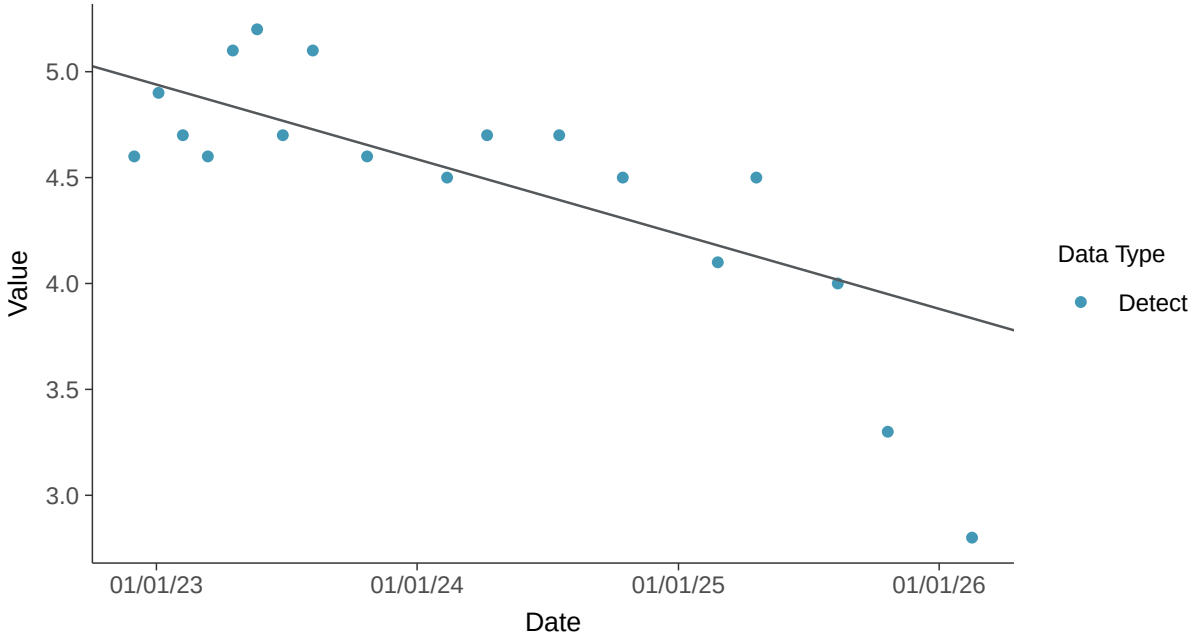
Normal Q-Q plot

Fluoride, MW-31 (mg/L)



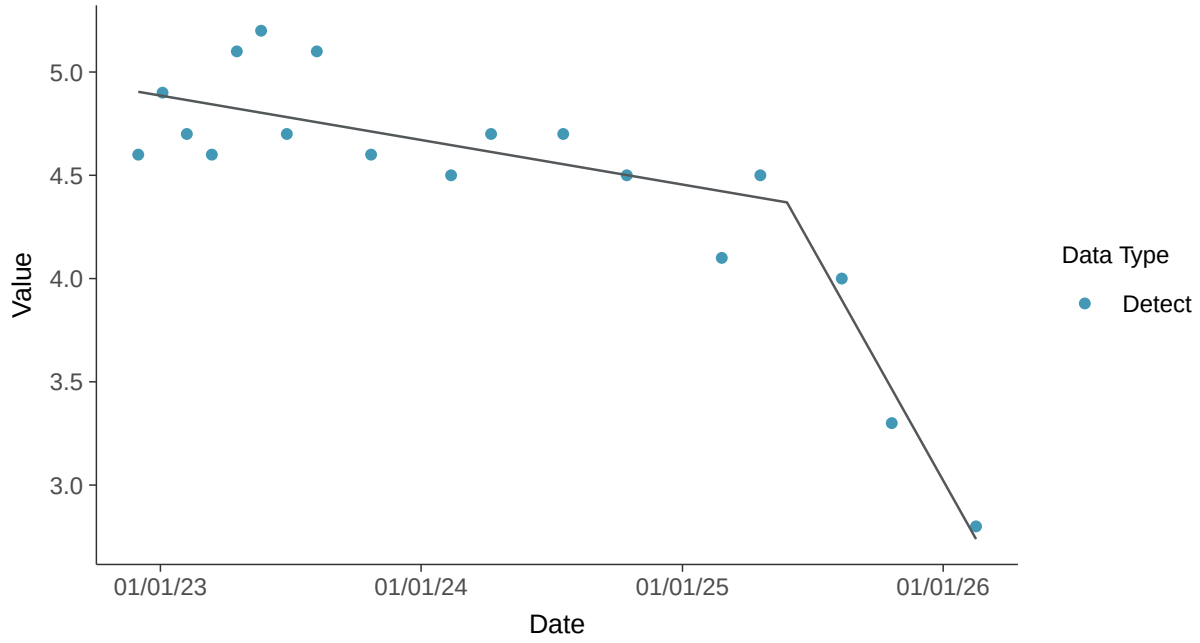
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride, MW-31 (mg/L)



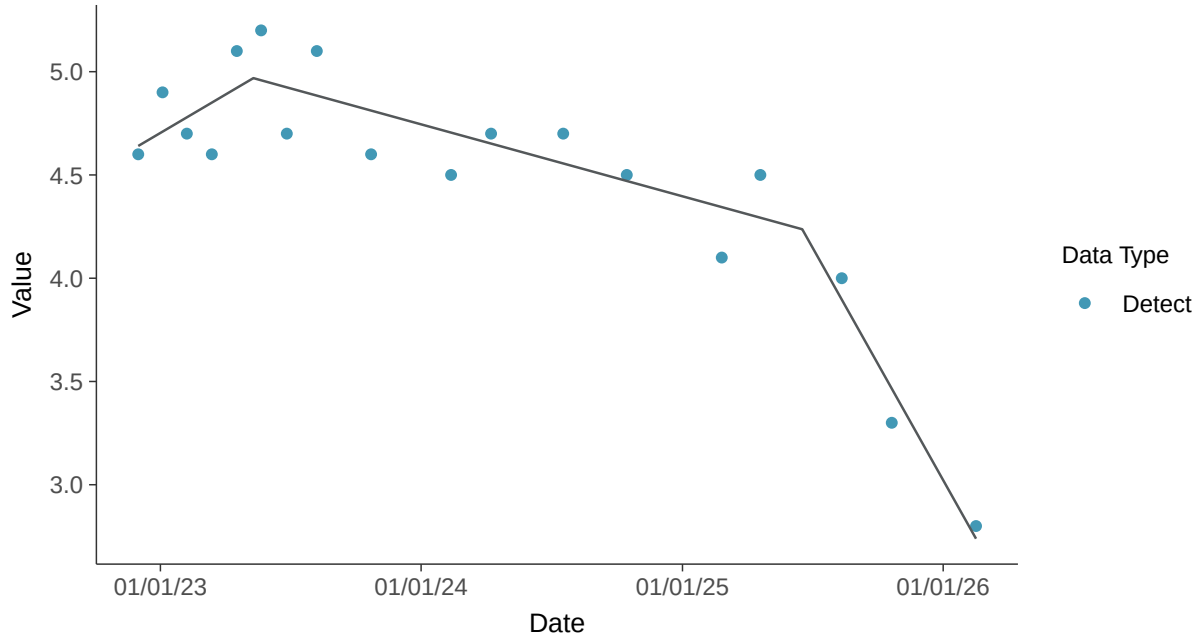
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-31 (mg/L)



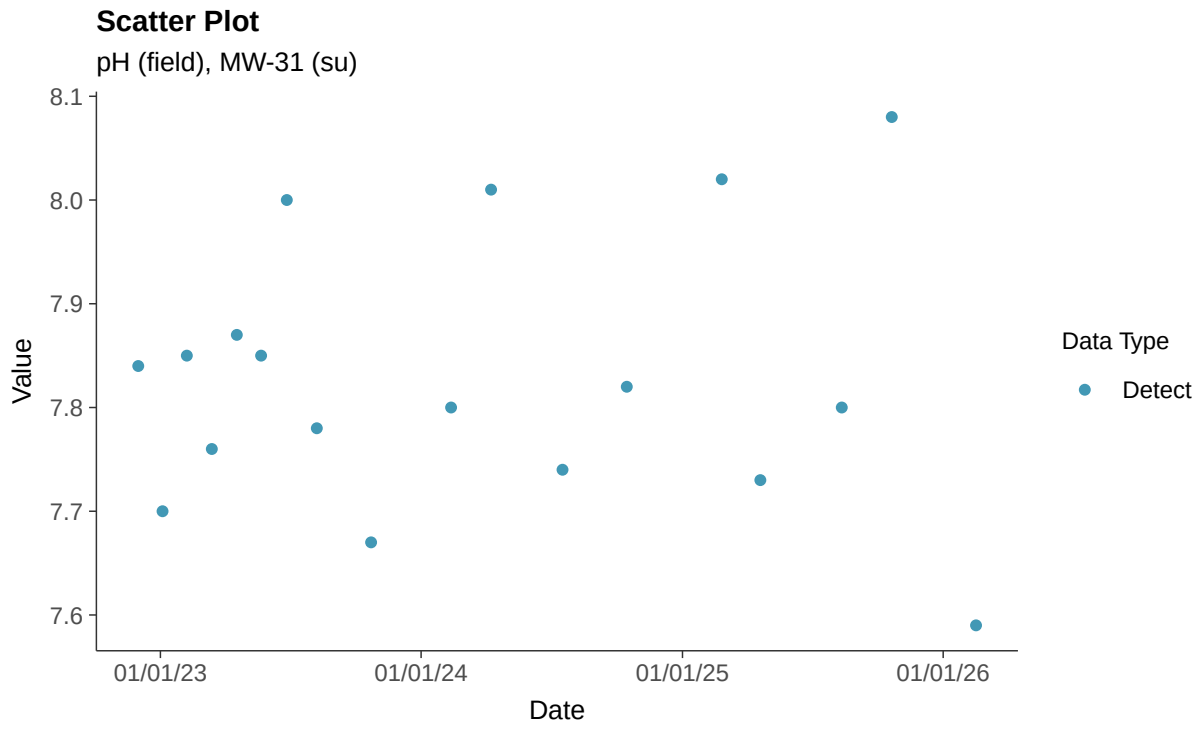
Trend Regression: Piecewise Linear-Linear-Linear

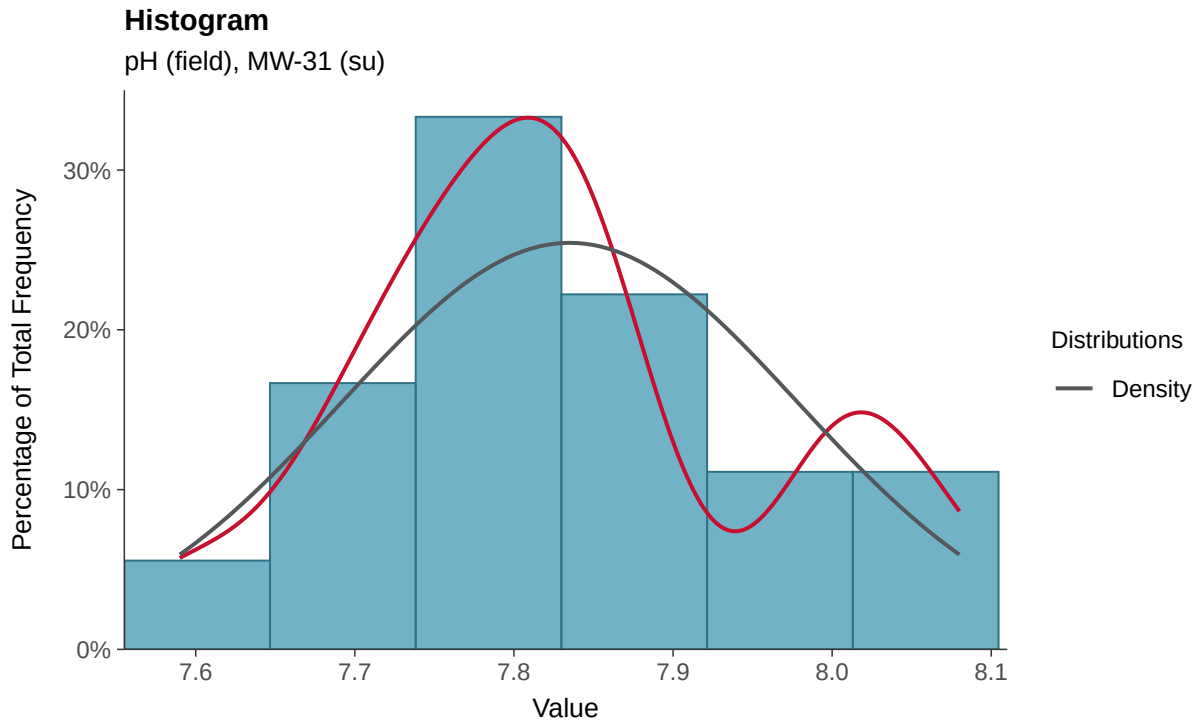
Fluoride, MW-31 (mg/L)



Appendix III: pH (field), MW-31

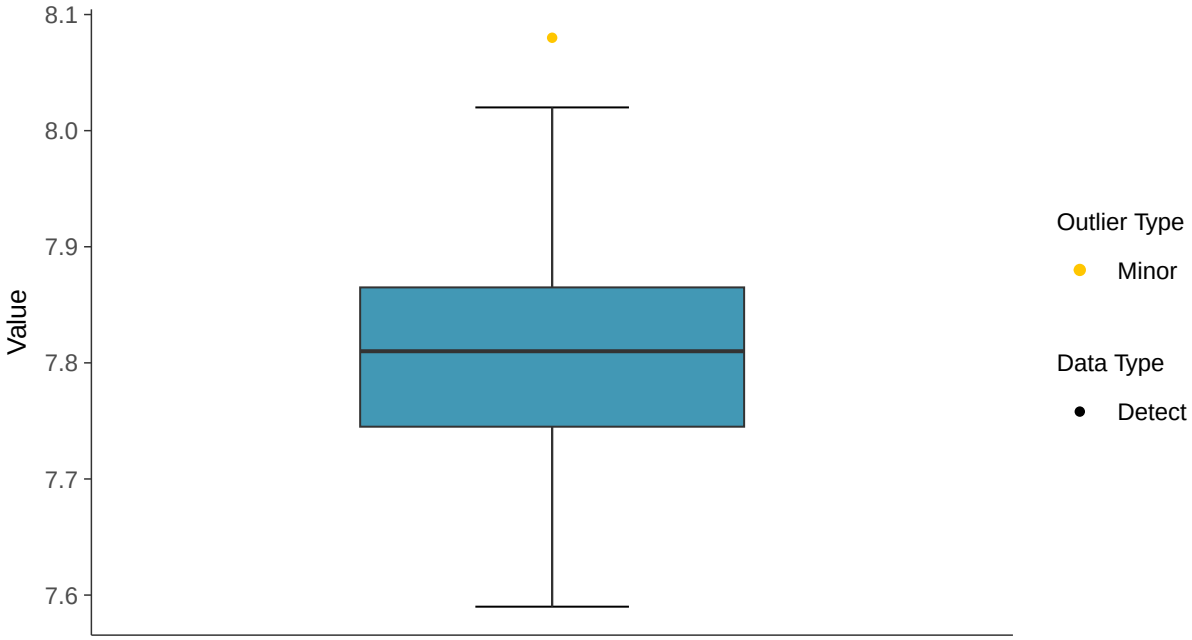
ID: 41_1_3_120





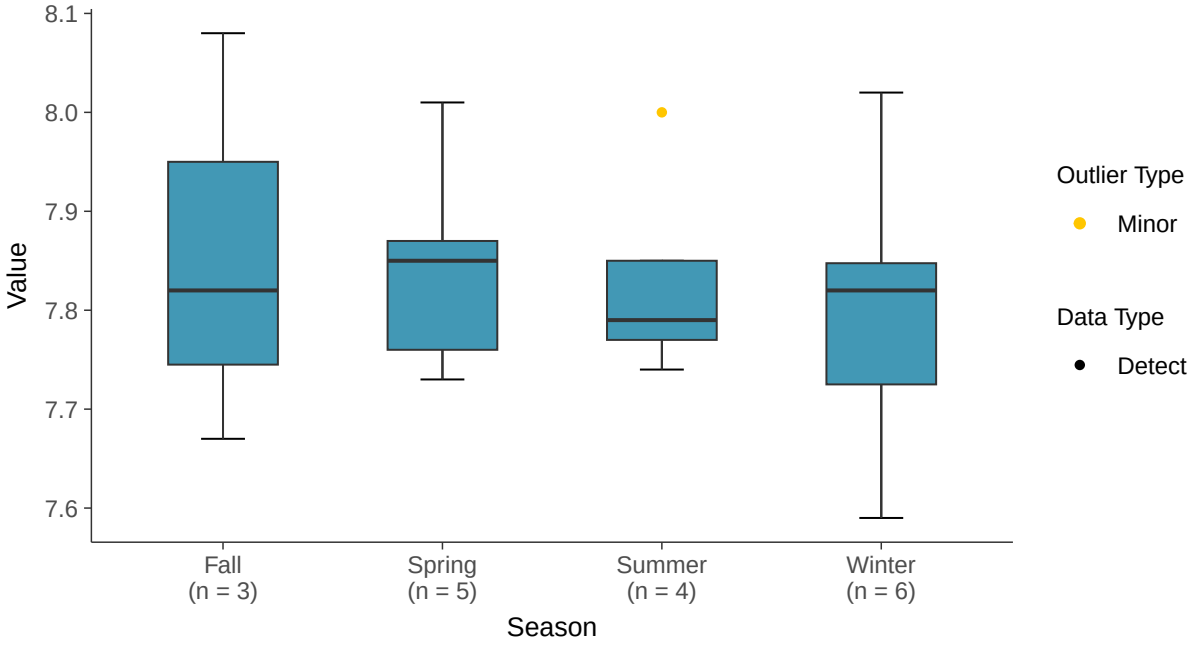
Boxplot

pH (field), MW-31 (su)



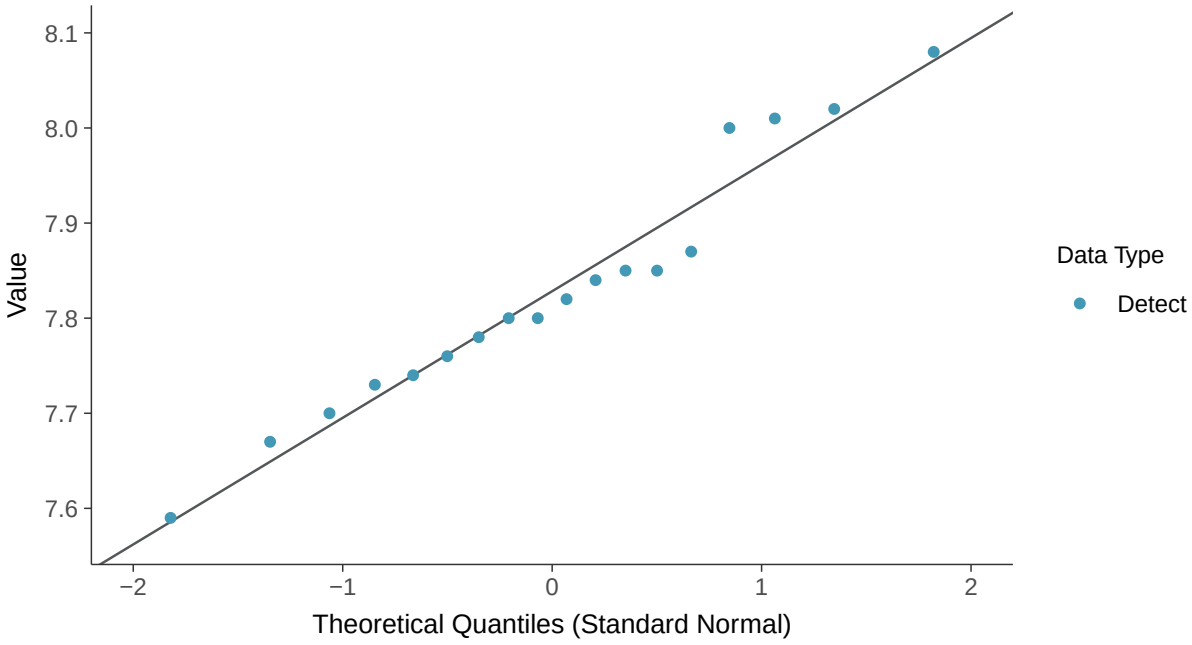
Boxplot by Season

pH (field), MW-31 (su)



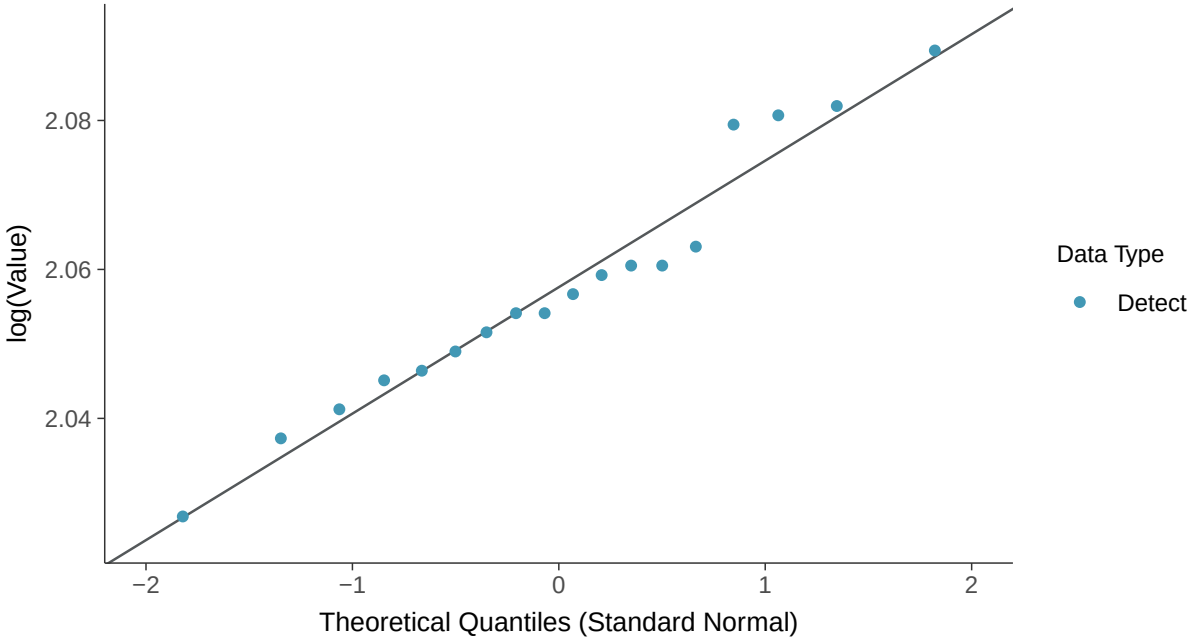
Normal Q-Q plot

pH (field), MW-31 (su)



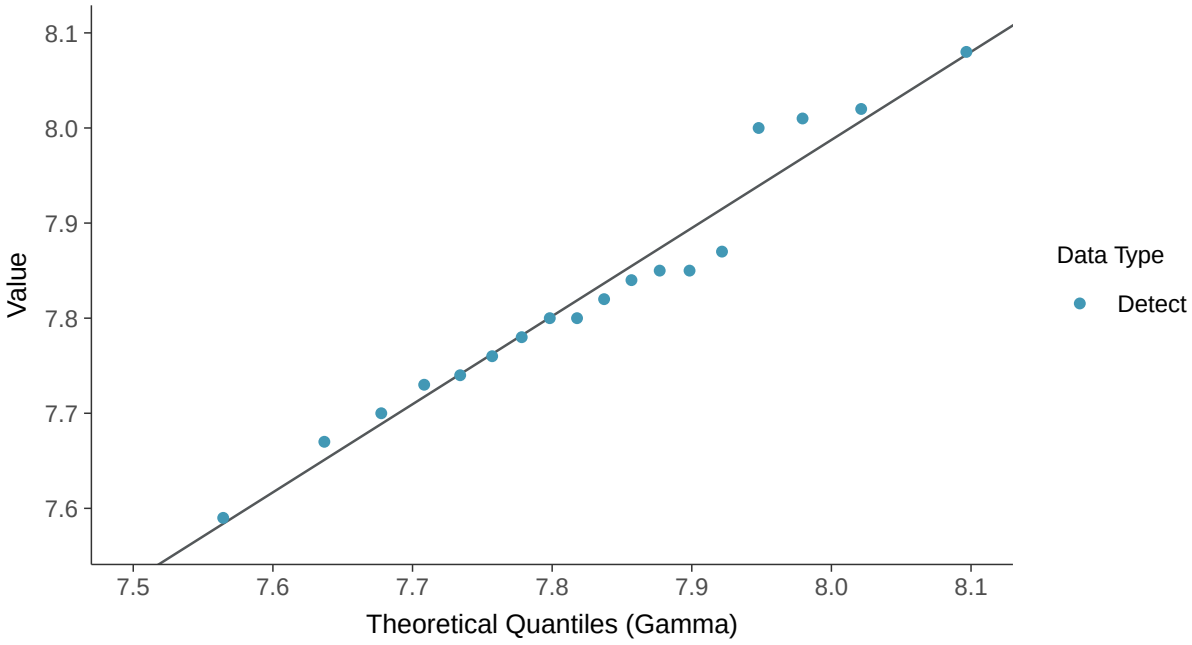
Lognormal Q-Q plot

pH (field), MW-31 (su)



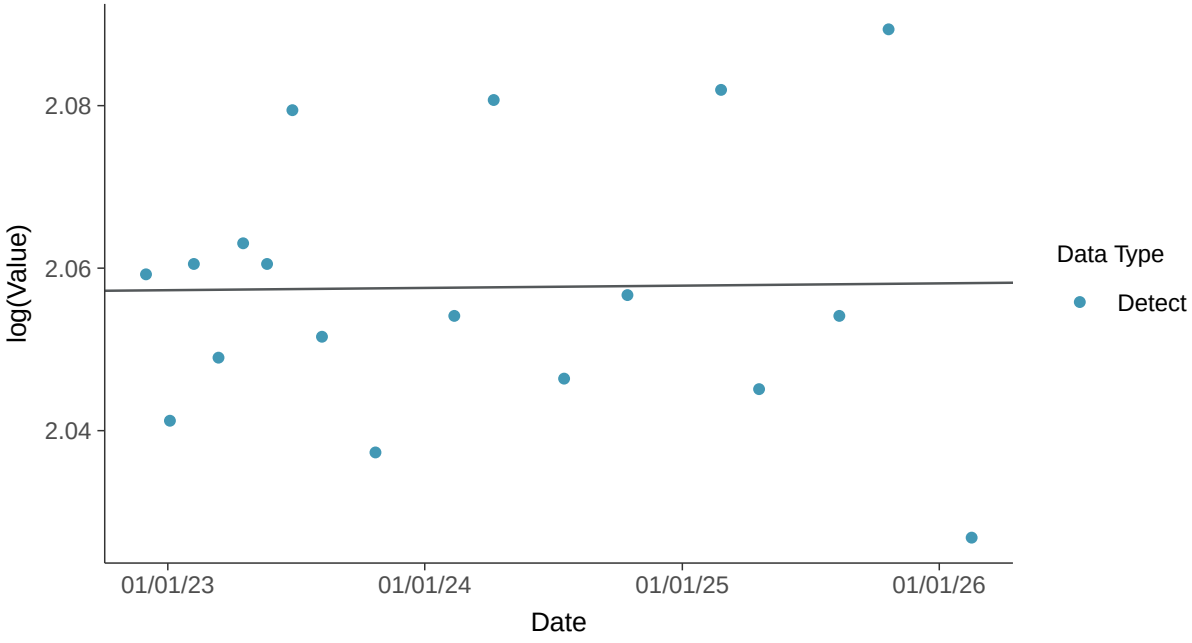
Gamma Q-Q plot

pH (field), MW-31 (su)



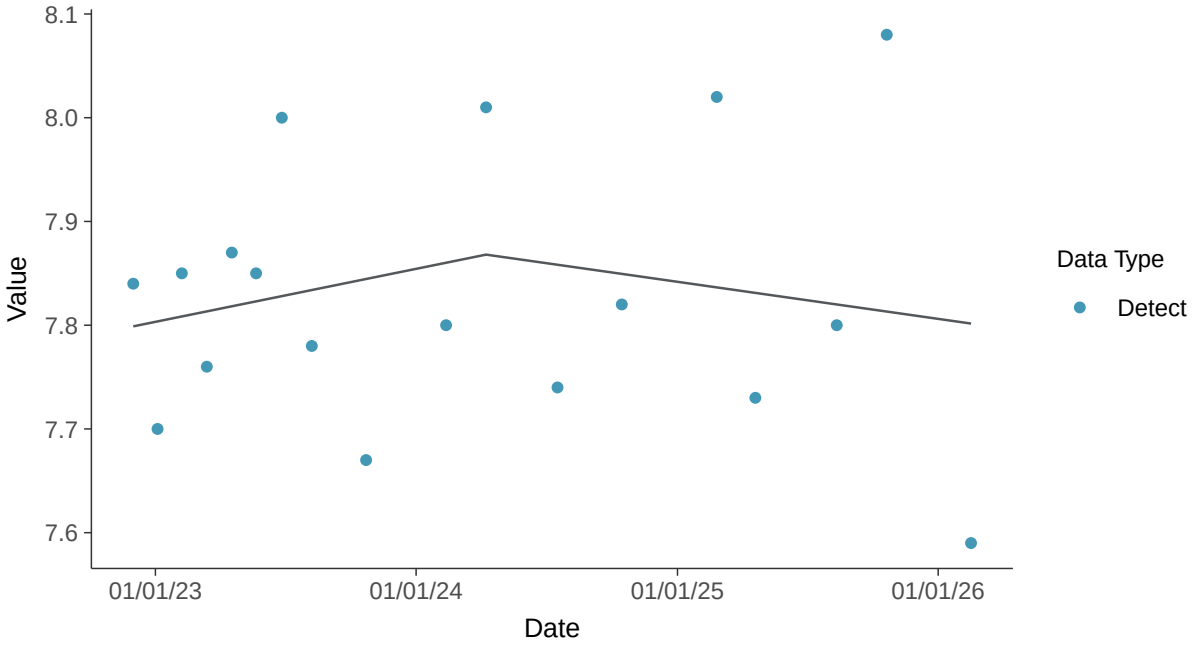
Trend Regression: Lognormal MLE

pH (field), MW-31 (su)



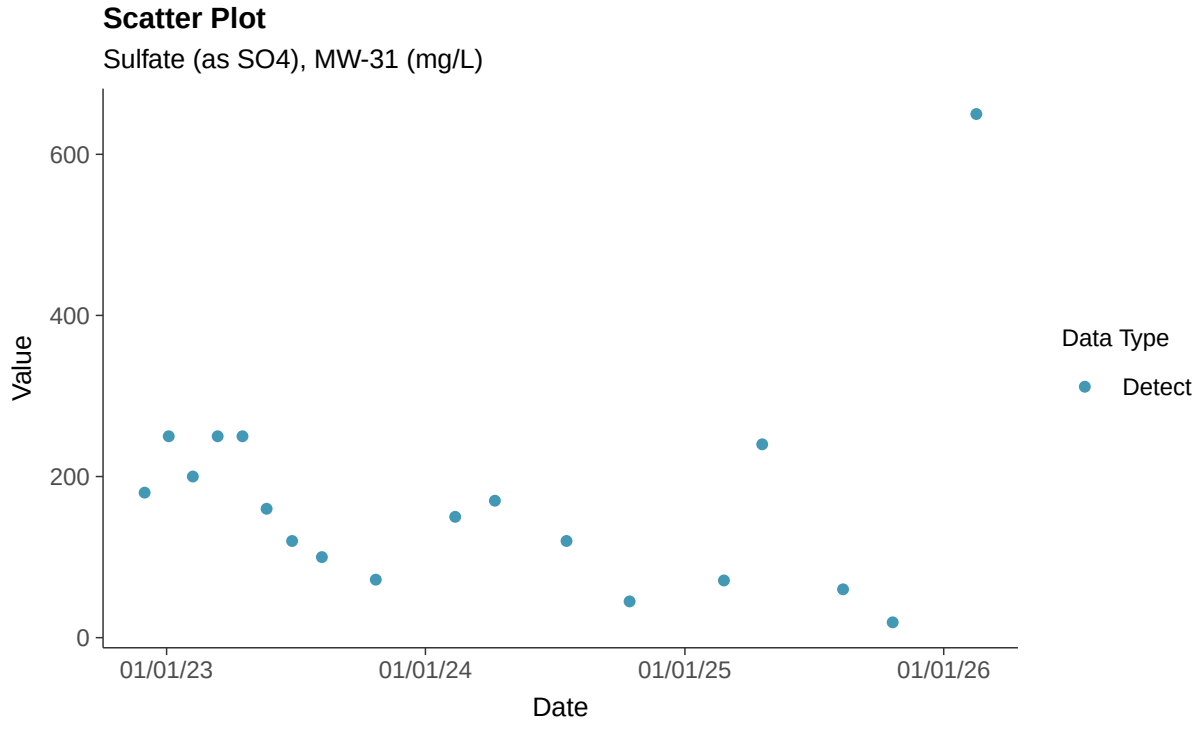
Trend Regression: Piecewise Linear-Linear

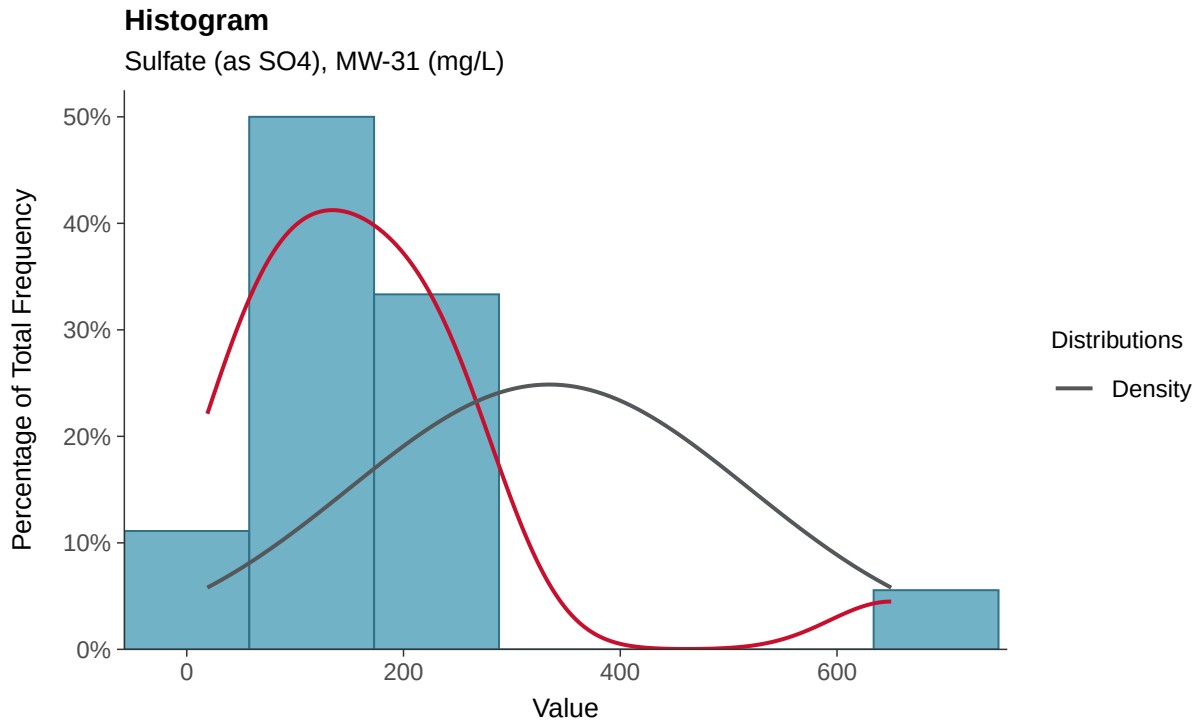
pH (field), MW-31 (su)



Appendix III: Sulfate (as SO4), MW-31

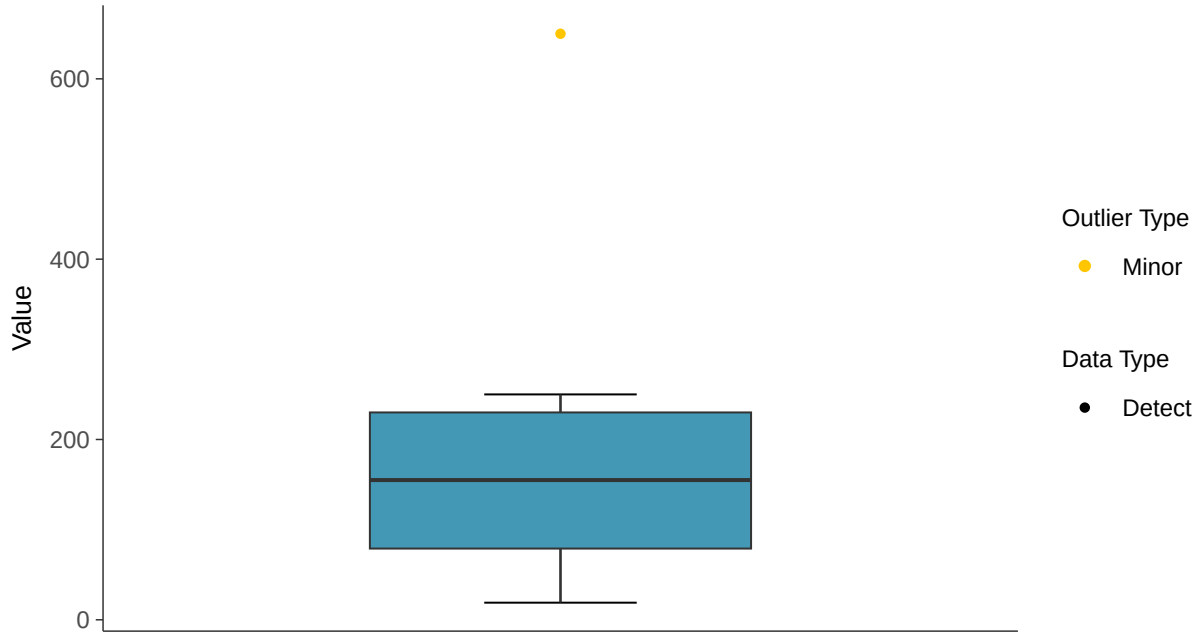
ID: 41_1_3_124





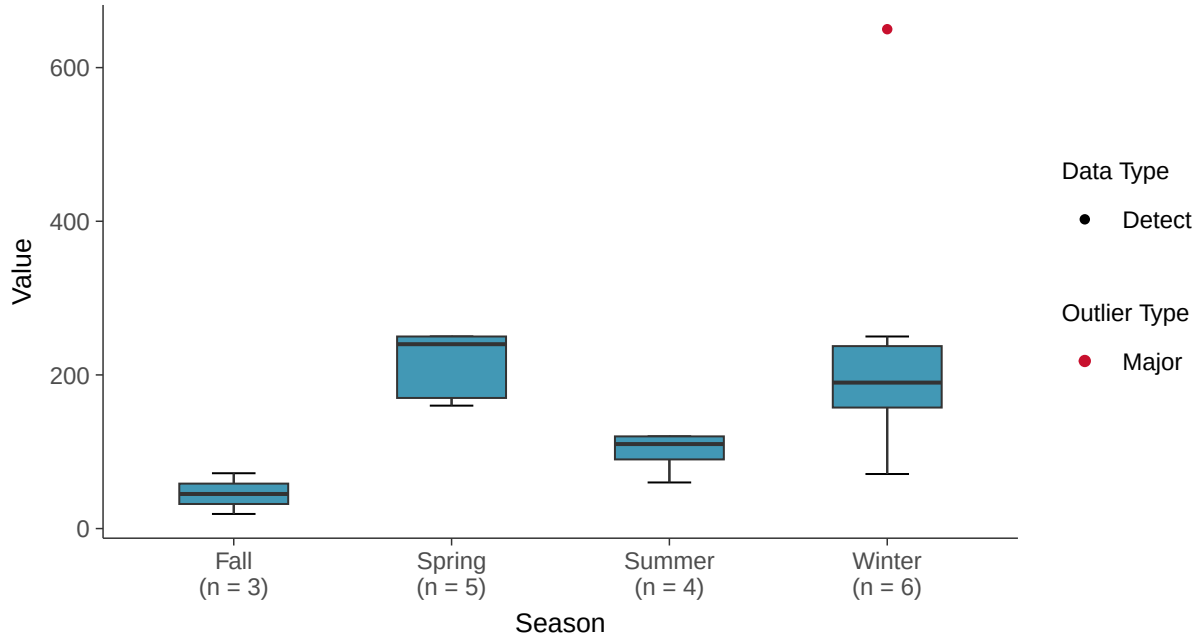
Boxplot

Sulfate (as SO4), MW-31 (mg/L)



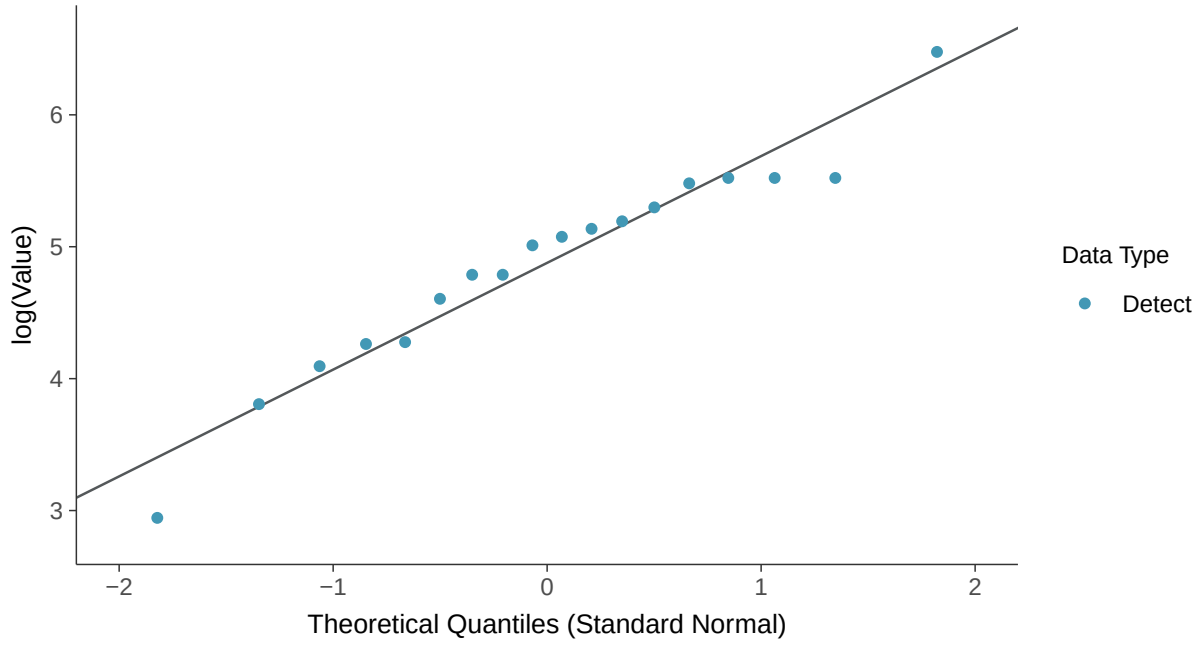
Boxplot by Season

Sulfate (as SO4), MW-31 (mg/L)



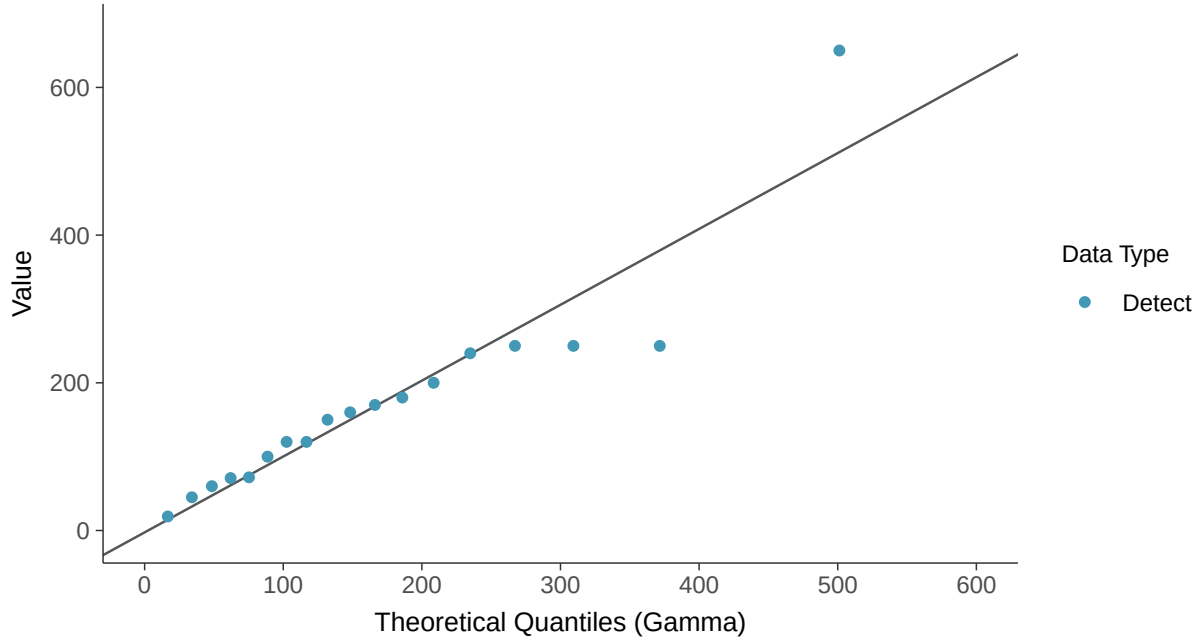
Lognormal Q-Q plot

Sulfate (as SO4), MW-31 (mg/L)



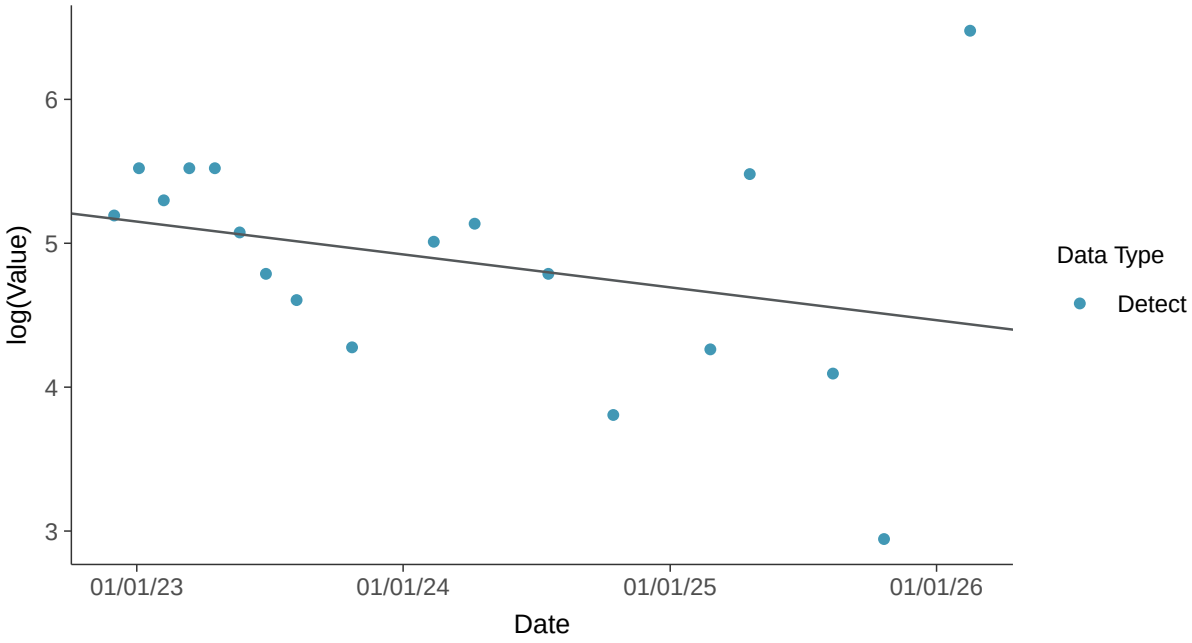
Gamma Q-Q plot

Sulfate (as SO4), MW-31 (mg/L)



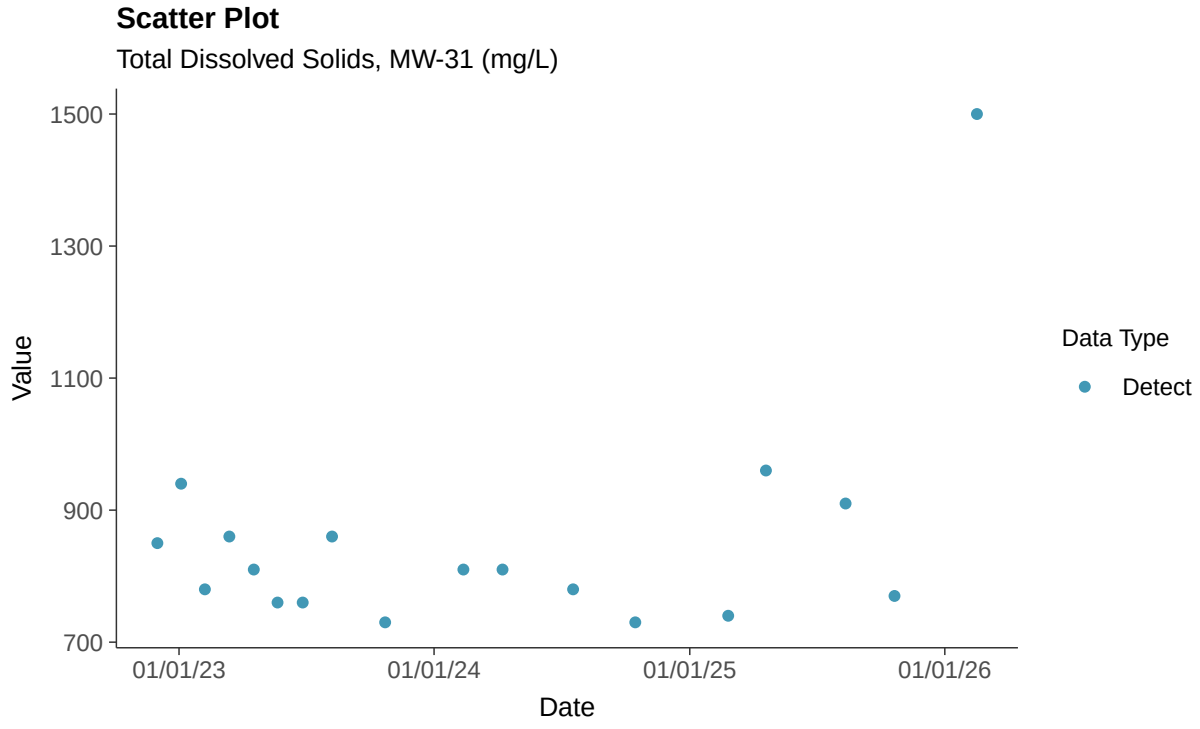
Trend Regression: Lognormal MLE

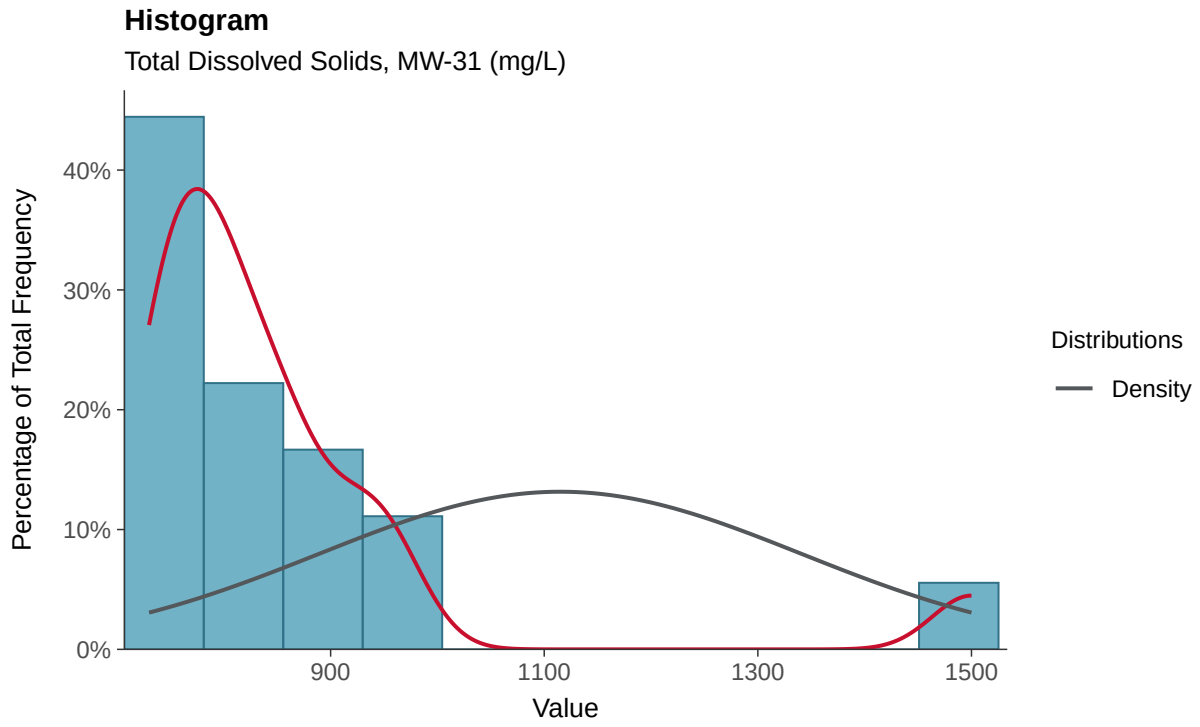
Sulfate (as SO4), MW-31 (mg/L)



Appendix III: Total Dissolved Solids, MW-31

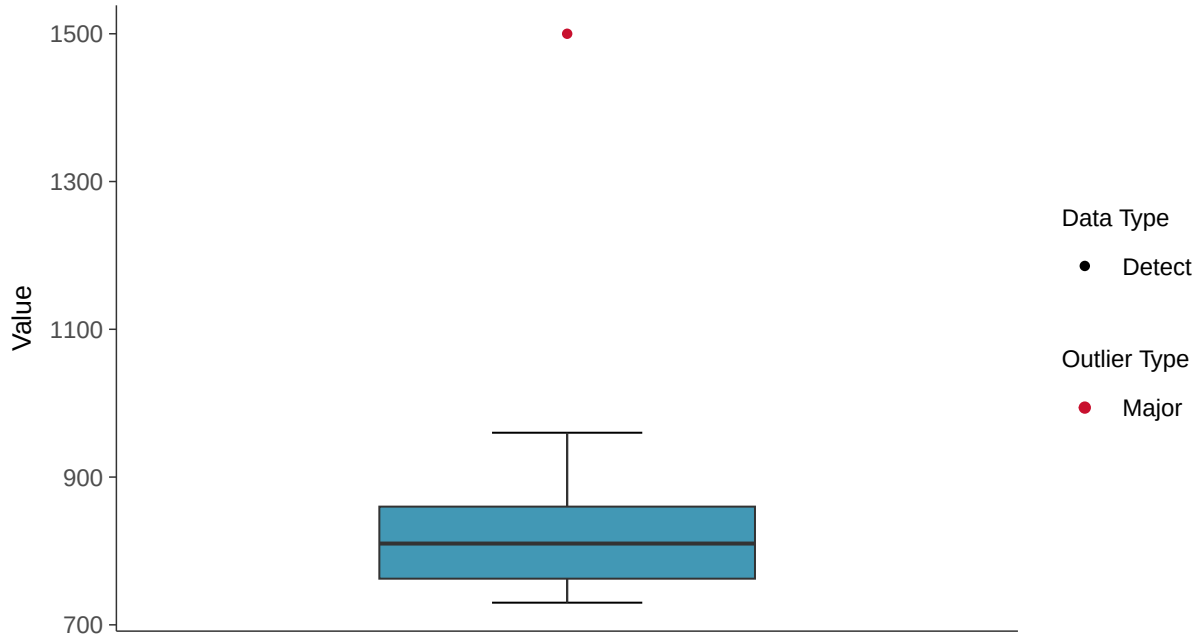
ID: 41_1_3_126





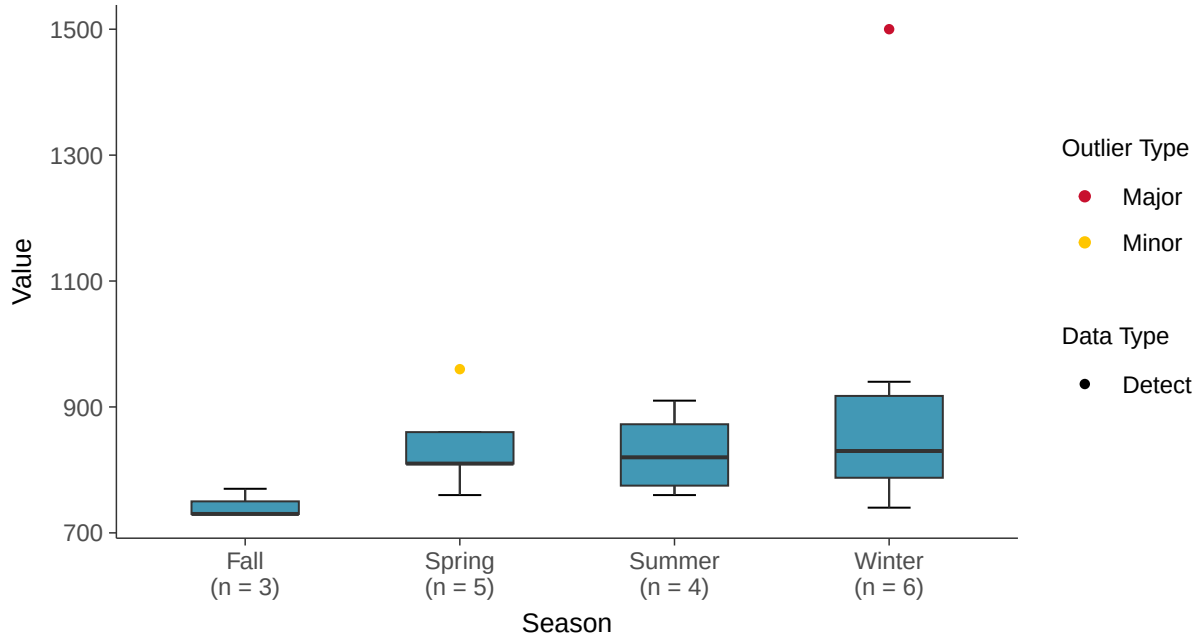
Boxplot

Total Dissolved Solids, MW-31 (mg/L)



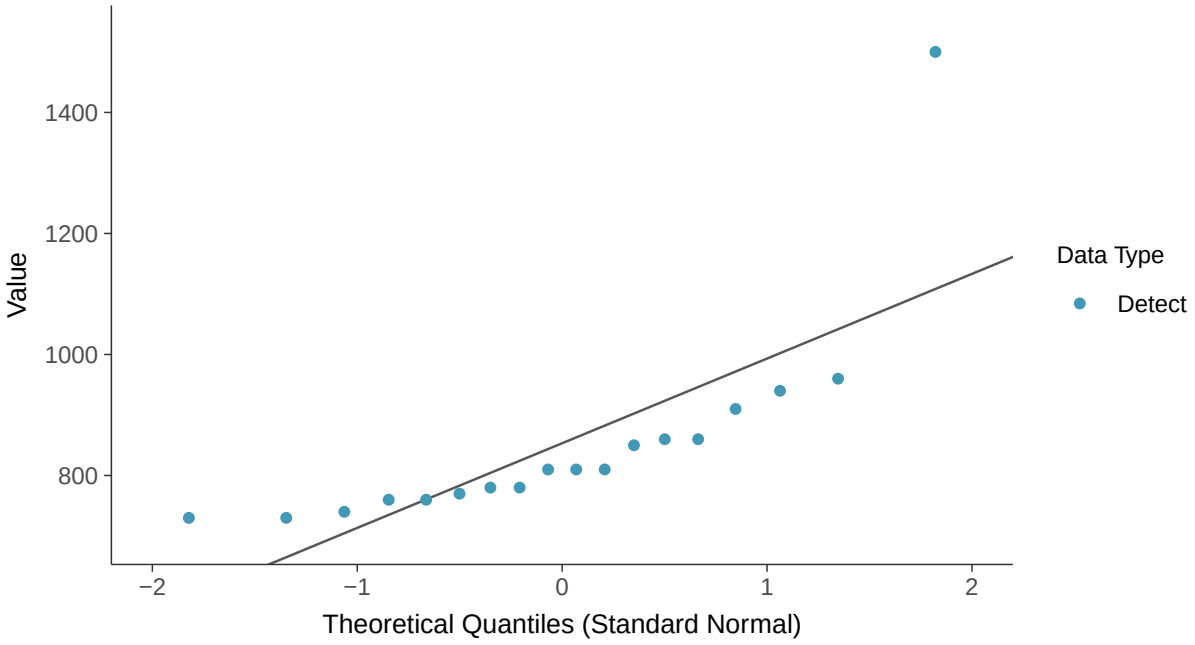
Boxplot by Season

Total Dissolved Solids, MW-31 (mg/L)



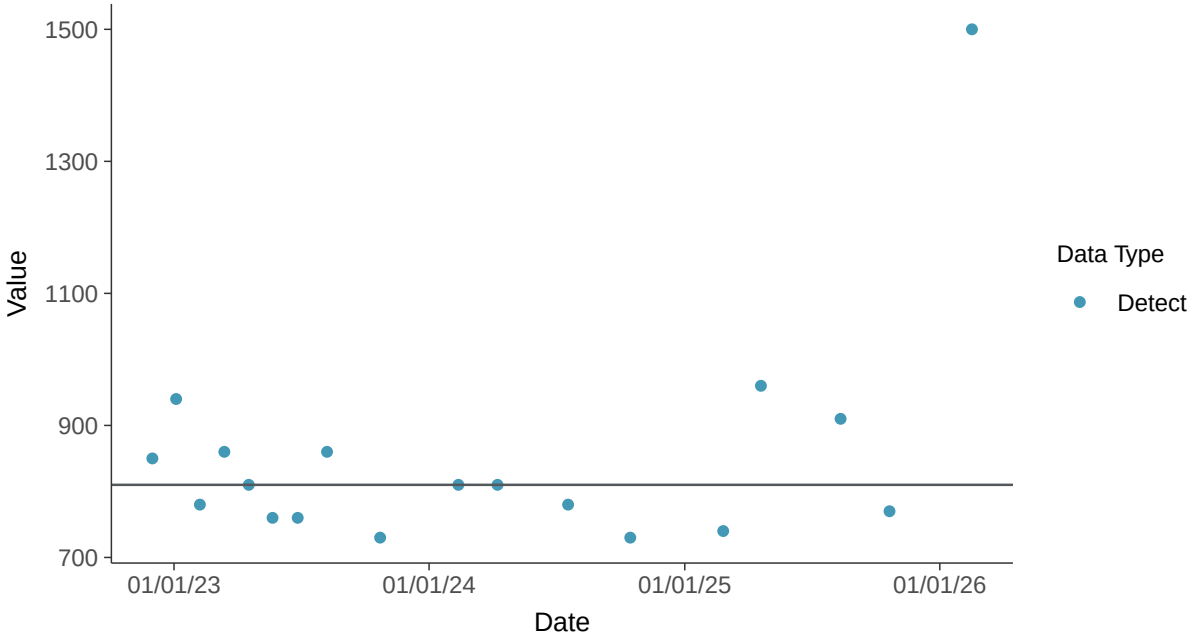
Normal Q-Q plot

Total Dissolved Solids, MW-31 (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

Total Dissolved Solids, MW-31 (mg/L)

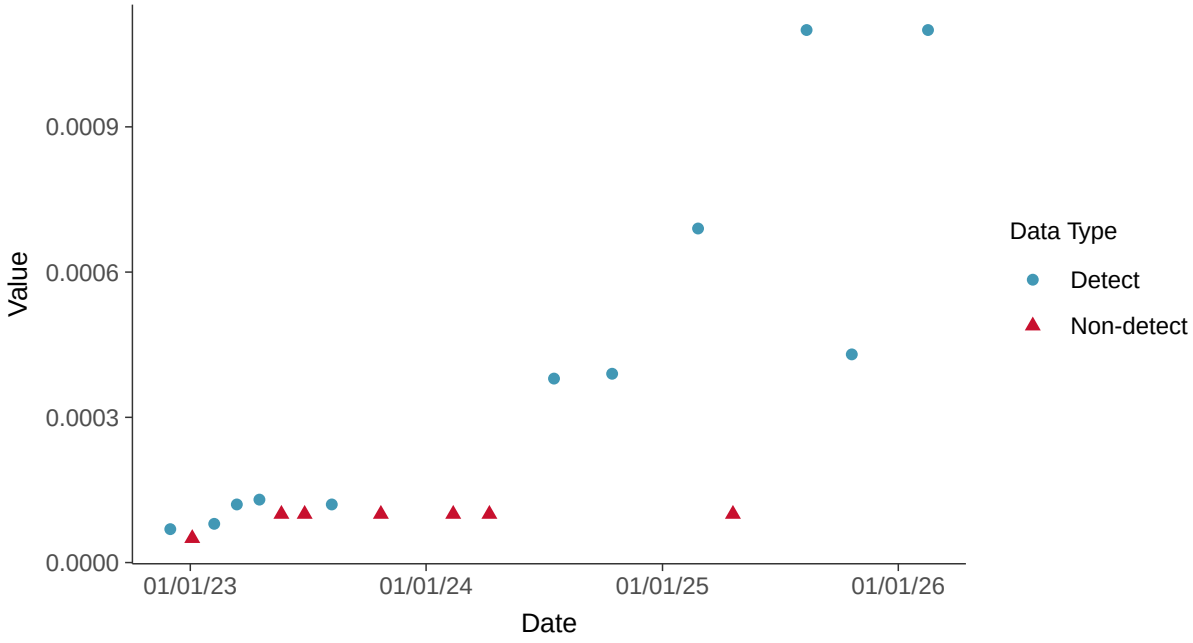


Appendix IV: Antimony, MW-31

ID: 41_1_4_101

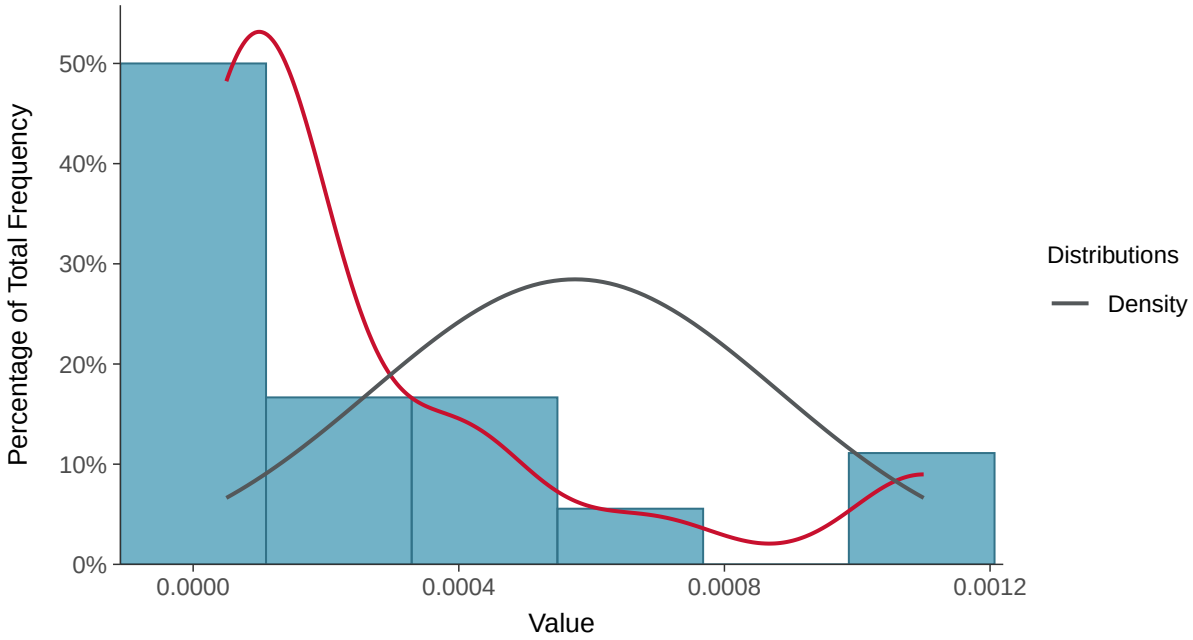
Scatter Plot

Antimony, MW-31 (mg/L)



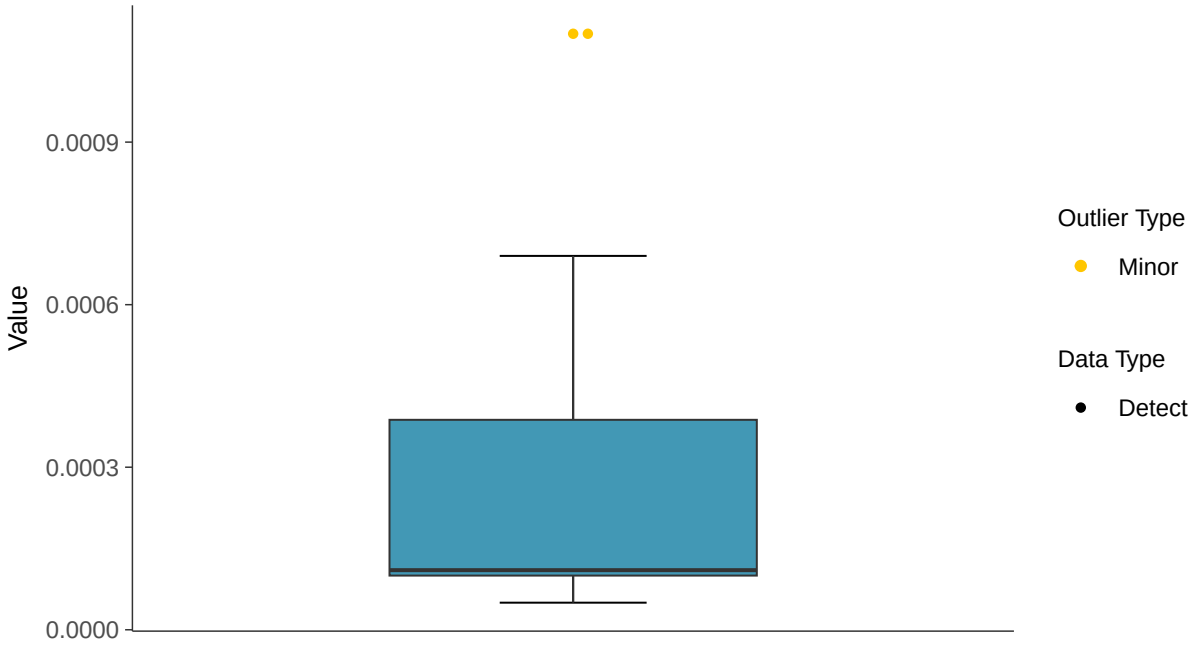
Histogram

Antimony, MW-31 (mg/L)



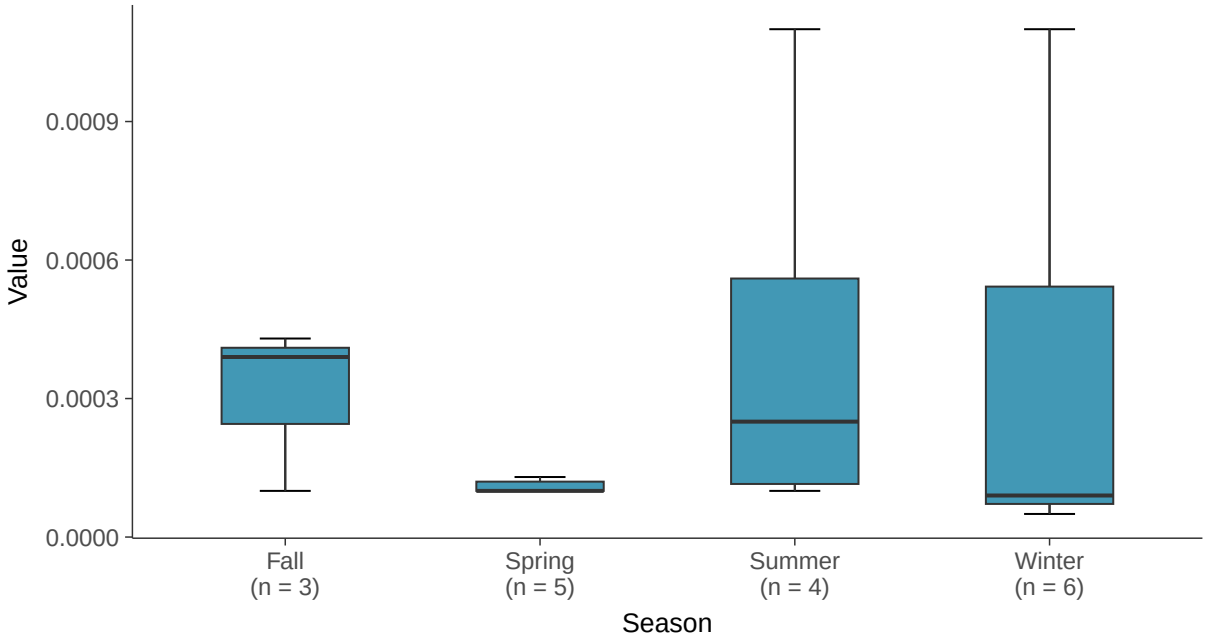
Boxplot

Antimony, MW-31 (mg/L)



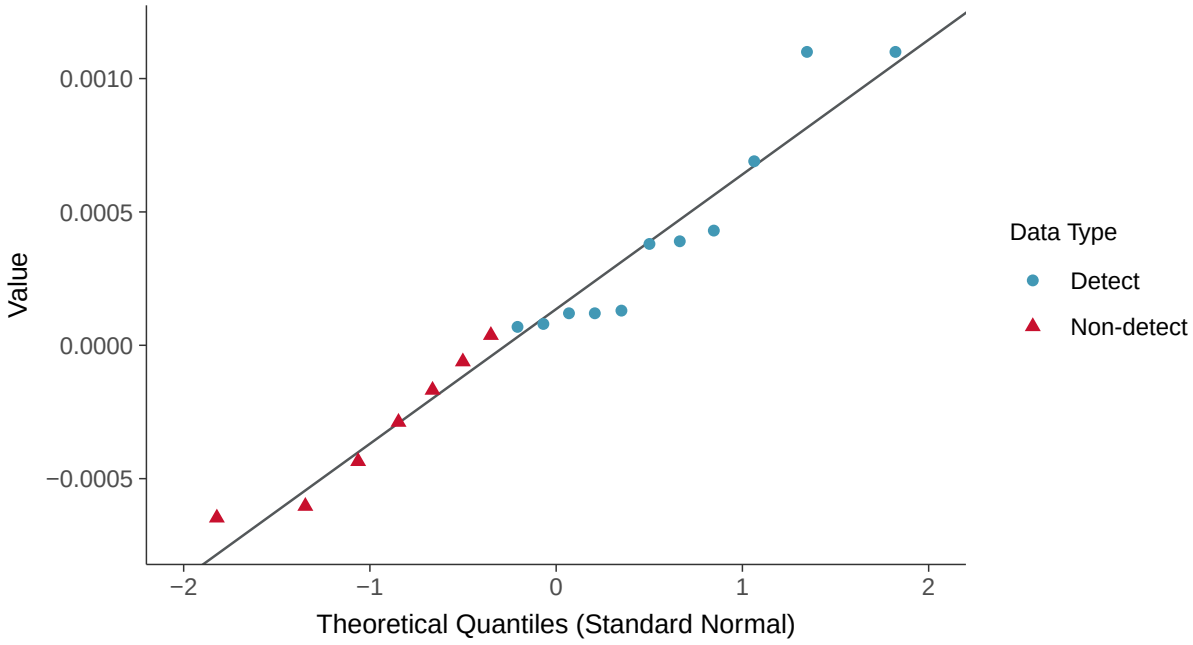
Boxplot by Season

Antimony, MW-31 (mg/L)



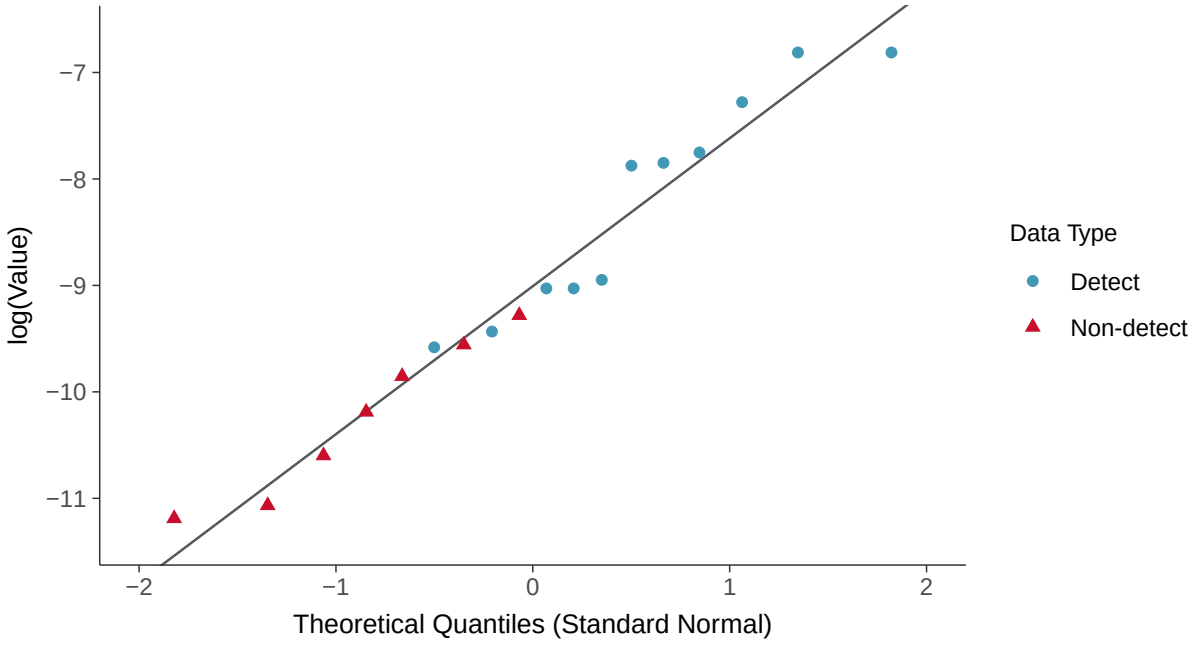
Normal Q-Q plot using ROS Imputed Estimates

Antimony, MW-31 (mg/L)



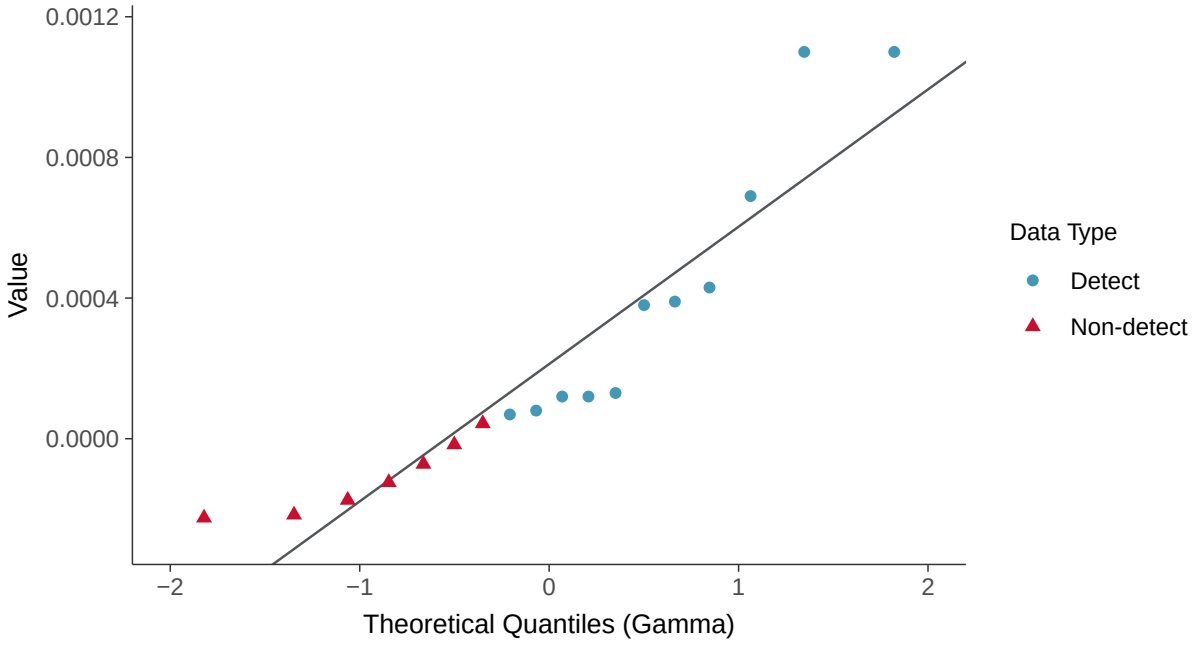
Lognormal Q-Q plot using ROS Imputed Estimates

Antimony, MW-31 (mg/L)



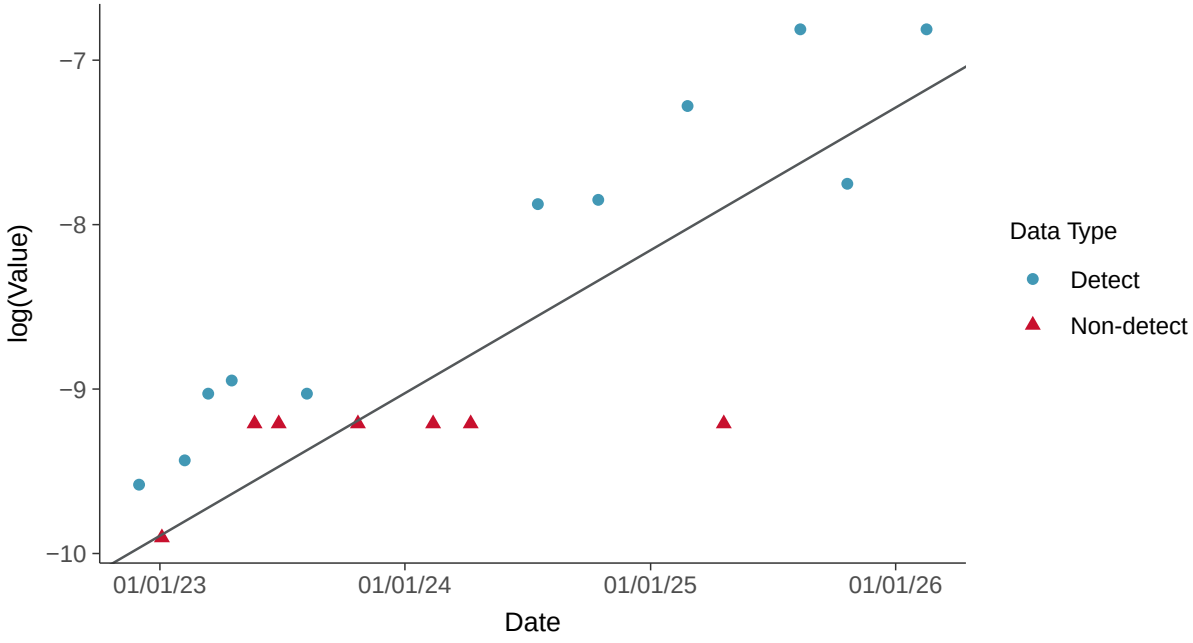
Gamma Q-Q plot using ROS Imputed Estimates

Antimony, MW-31 (mg/L)



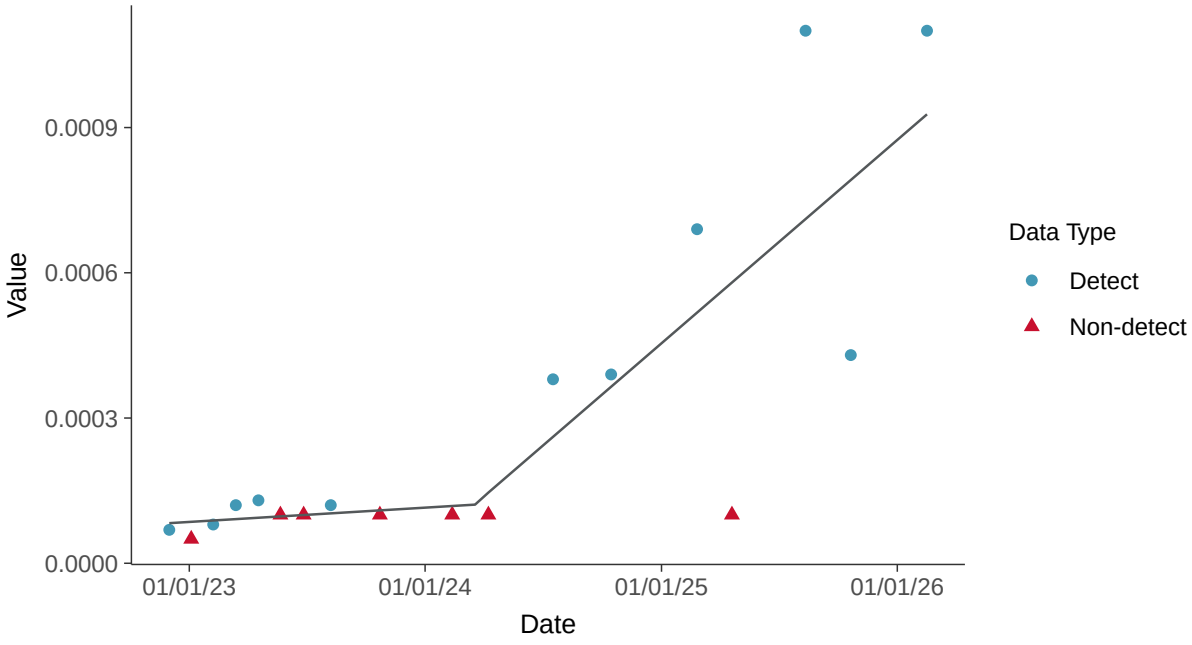
Trend Regression: Lognormal MLE

Antimony, MW-31 (mg/L)



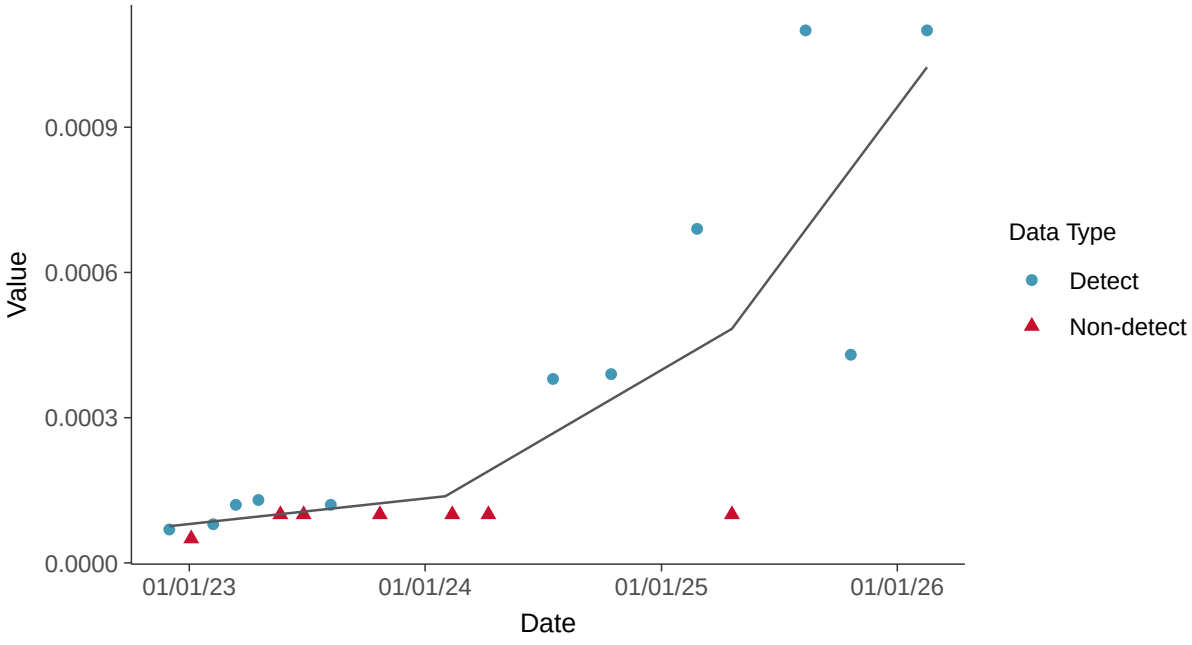
Trend Regression: Piecewise Linear-Linear

Antimony, MW-31 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Antimony, MW-31 (mg/L)

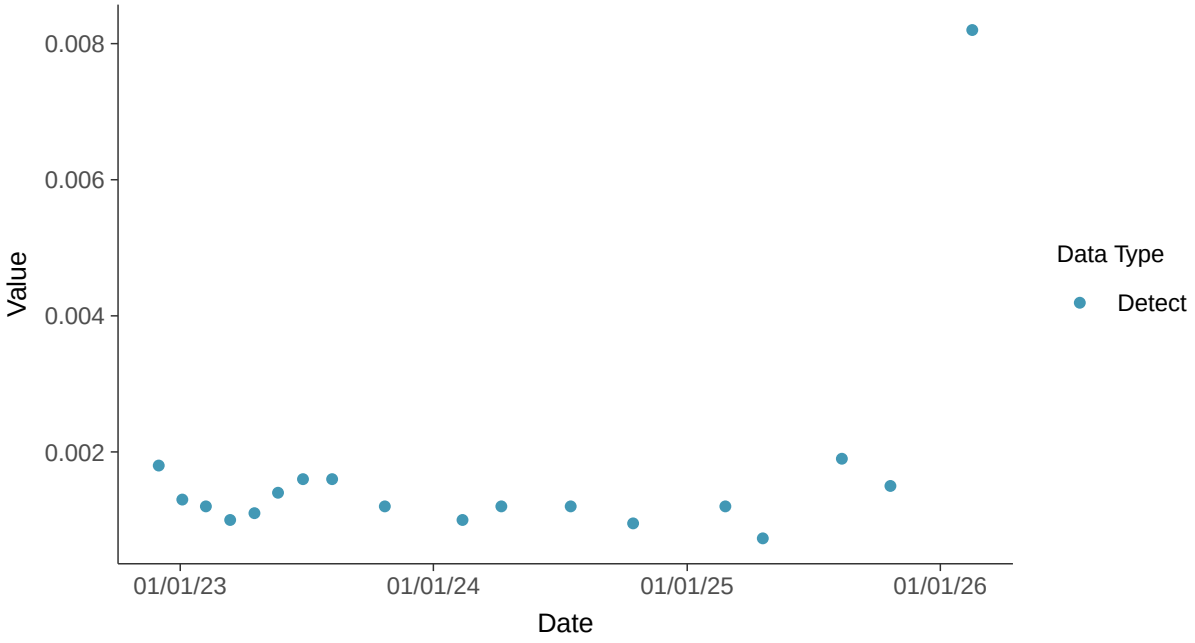


Appendix IV: Arsenic, MW-31

ID: 41_1_4_102

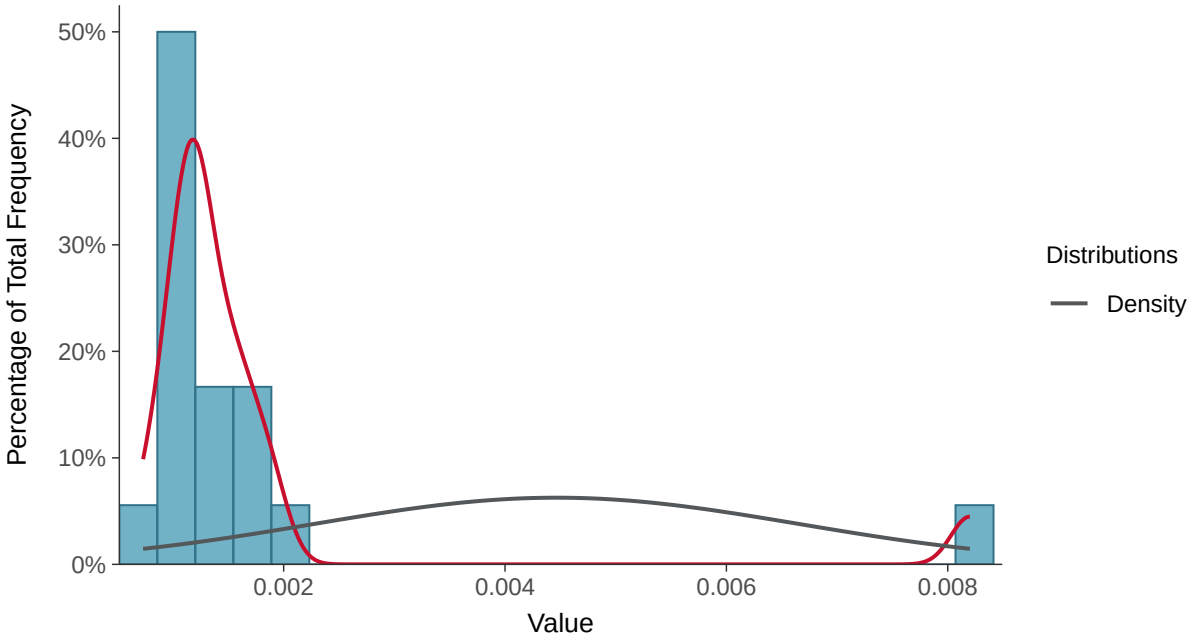
Scatter Plot

Arsenic, MW-31 (mg/L)



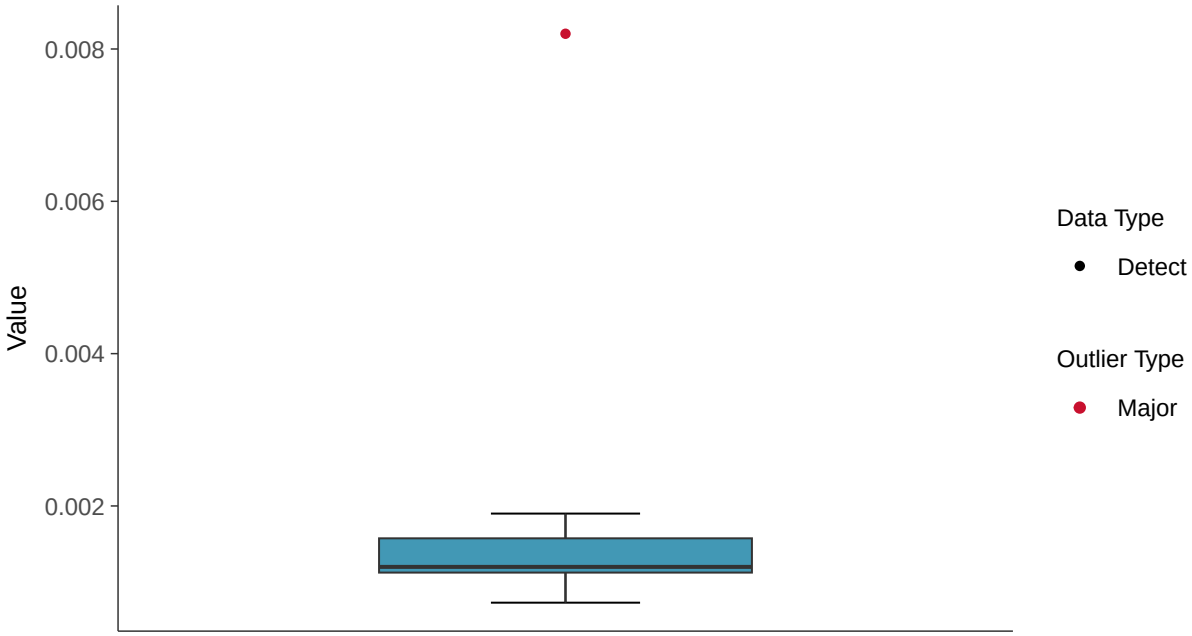
Histogram

Arsenic, MW-31 (mg/L)



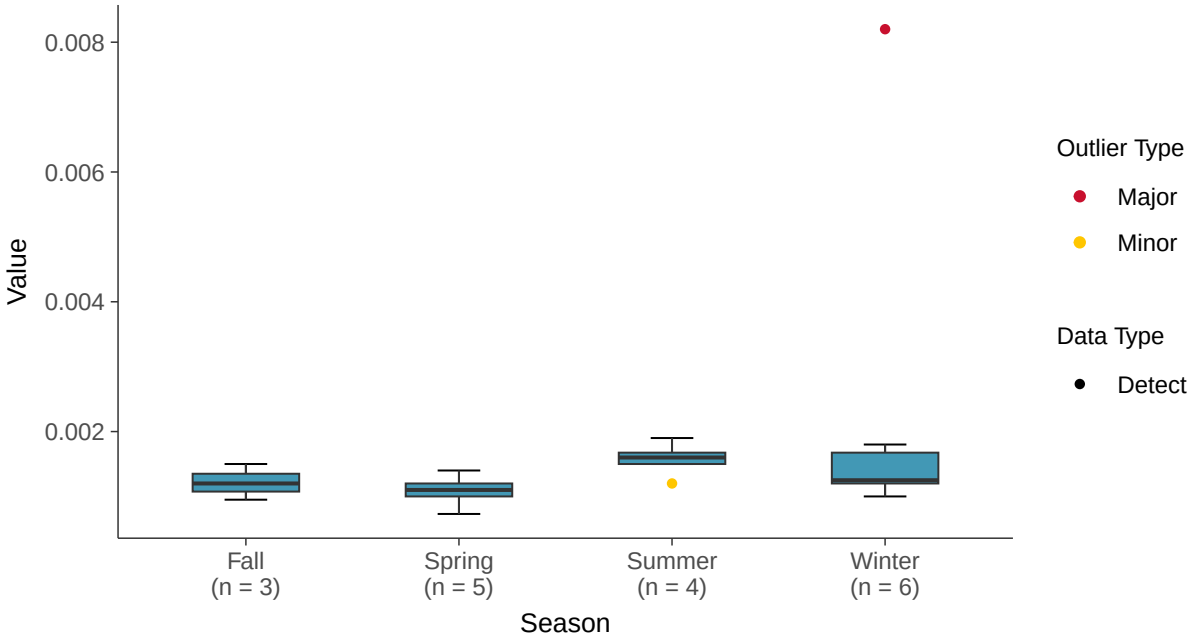
Boxplot

Arsenic, MW-31 (mg/L)



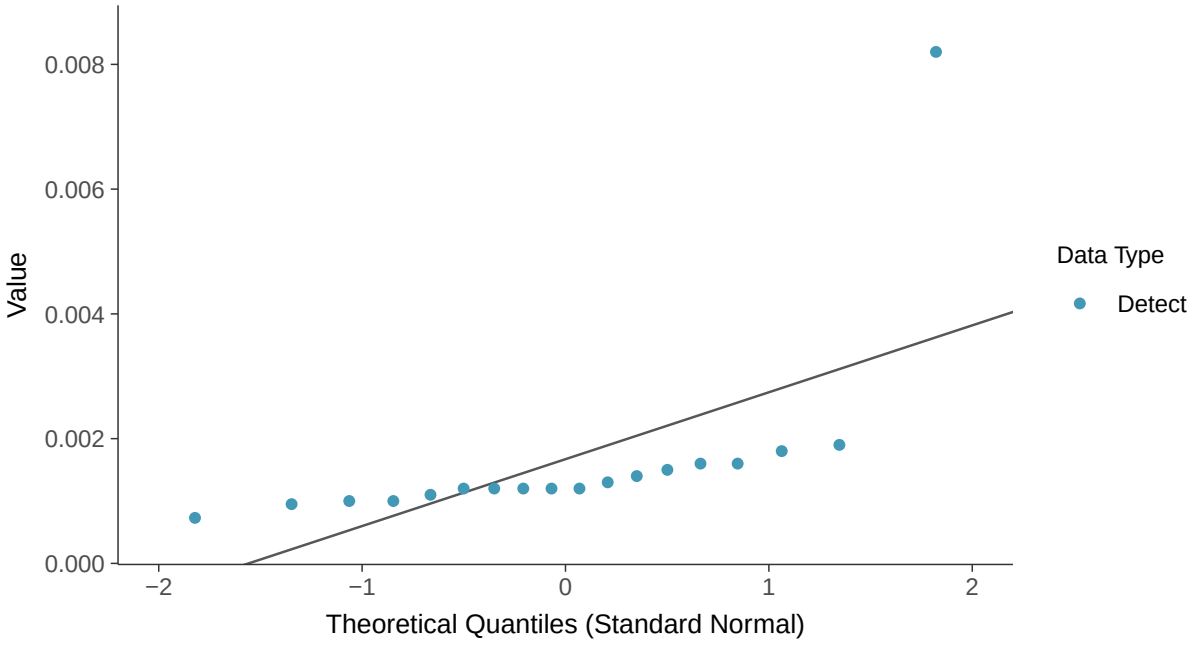
Boxplot by Season

Arsenic, MW-31 (mg/L)



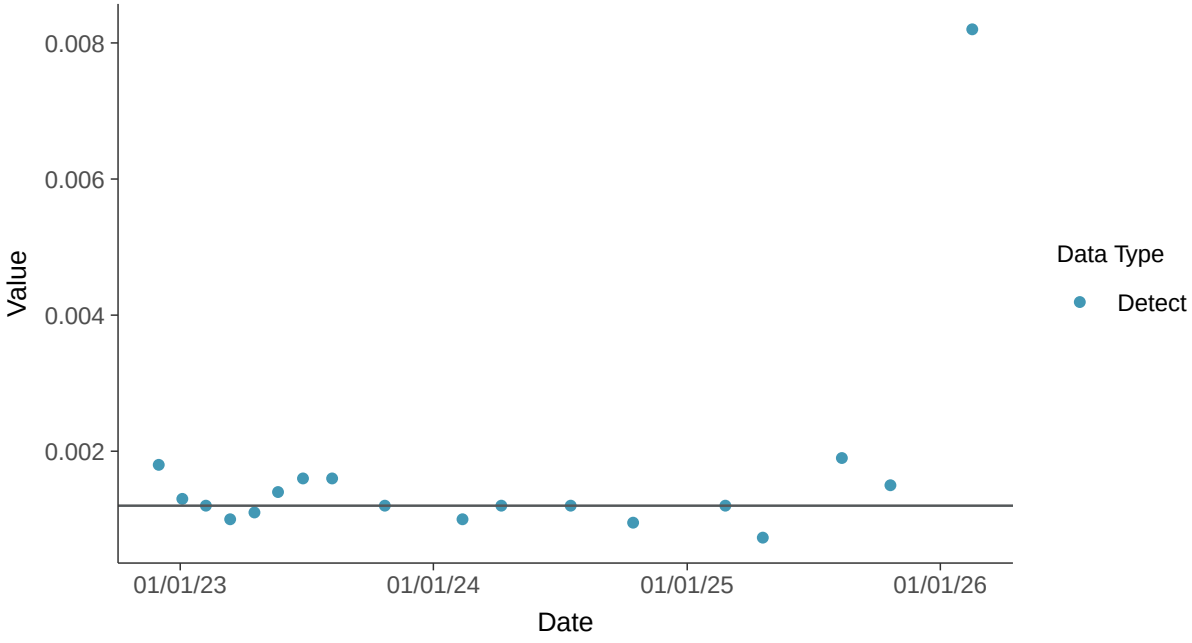
Normal Q-Q plot

Arsenic, MW-31 (mg/L)



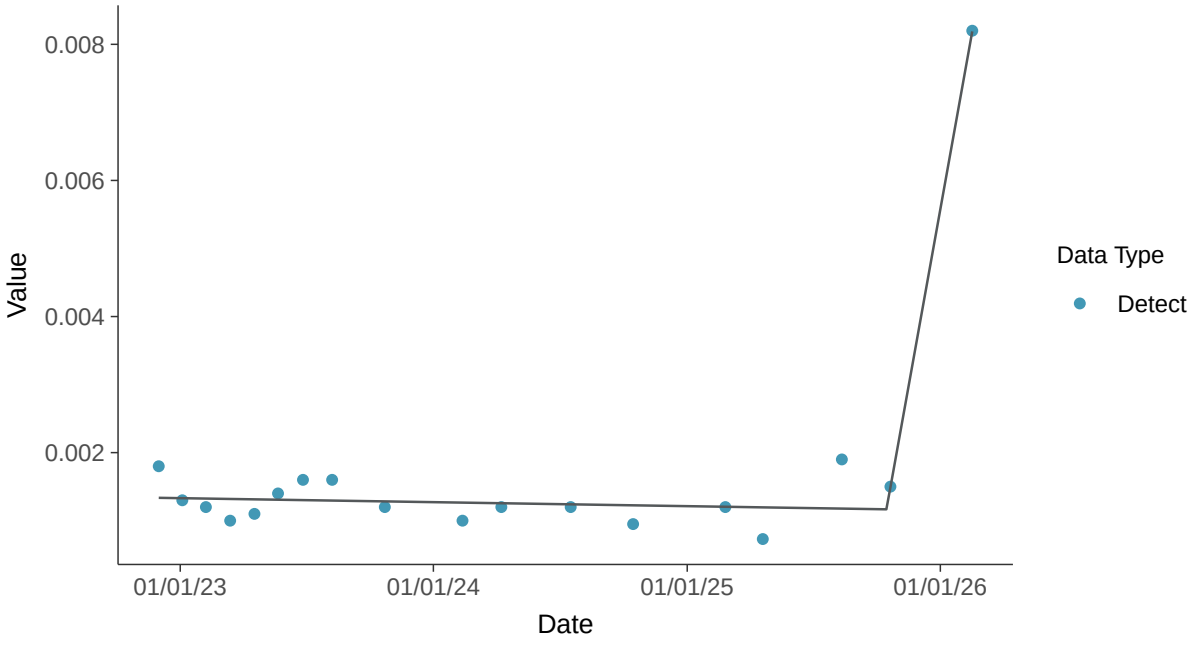
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Arsenic, MW-31 (mg/L)



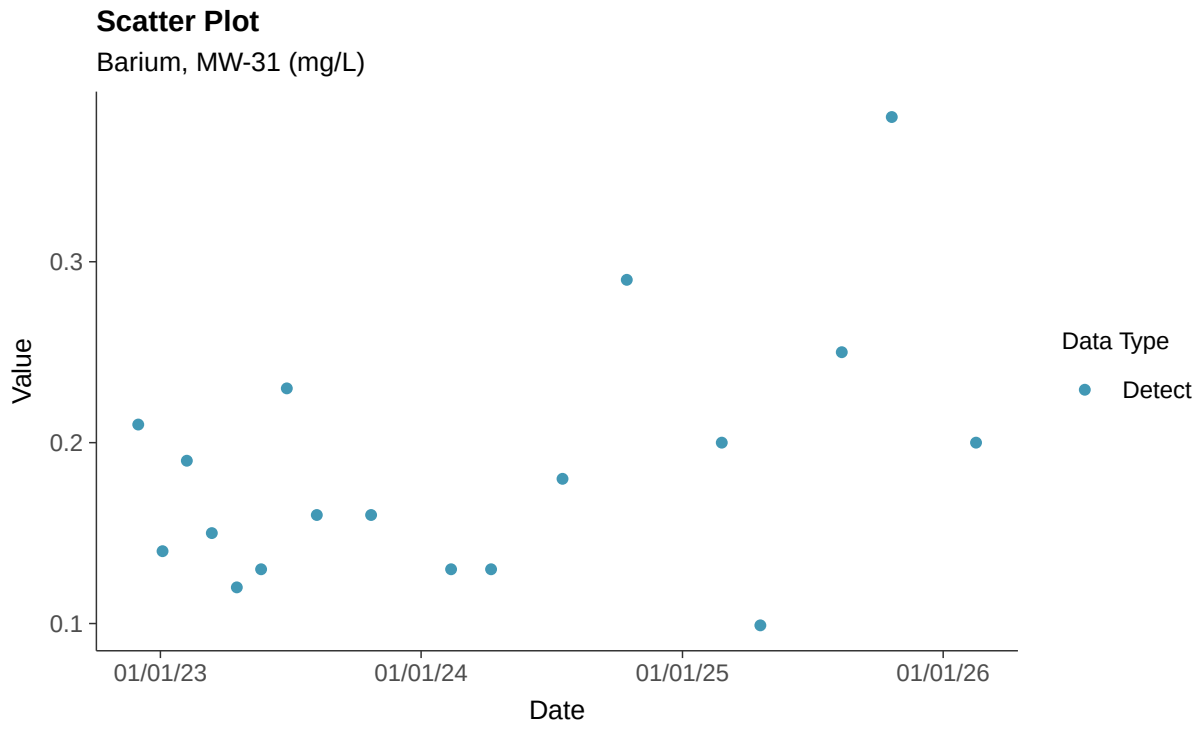
Trend Regression: Piecewise Linear-Linear

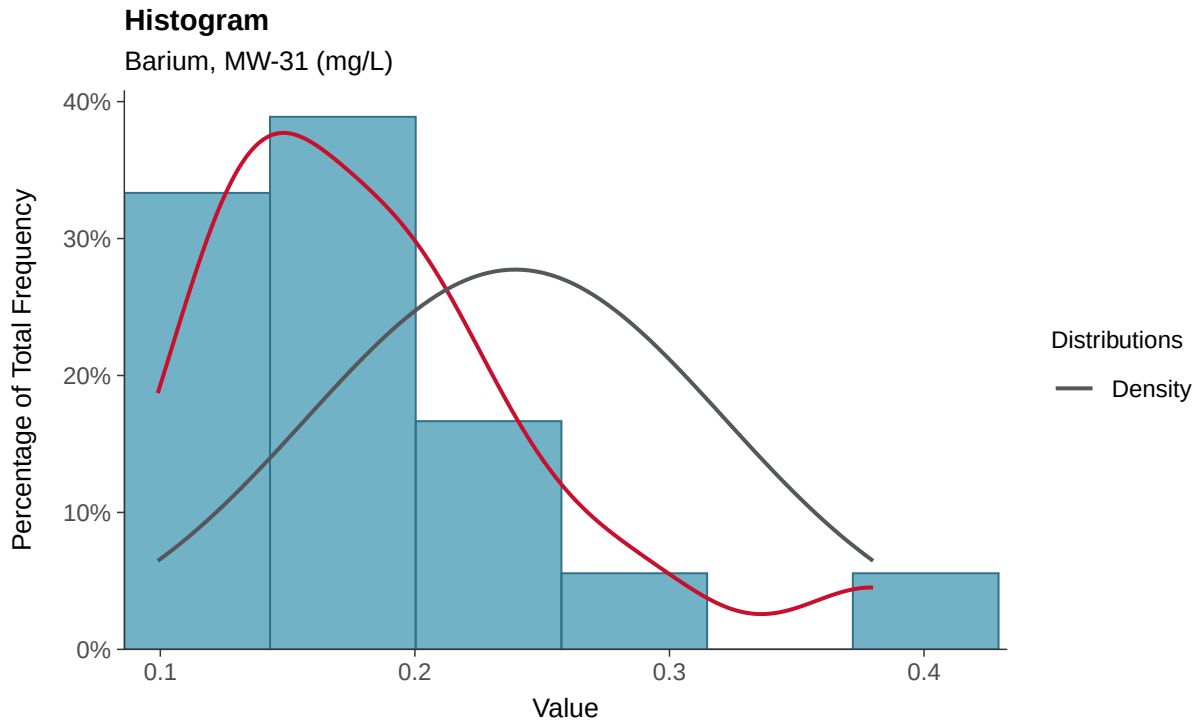
Arsenic, MW-31 (mg/L)



Appendix IV: Barium, MW-31

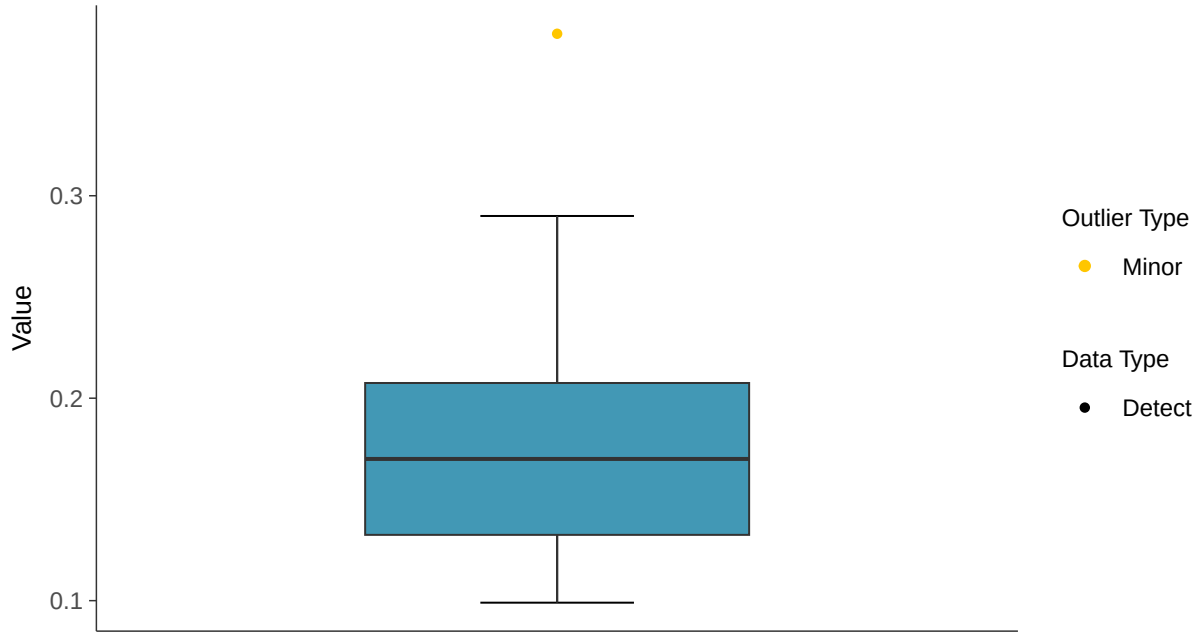
ID: 41_1_4_103





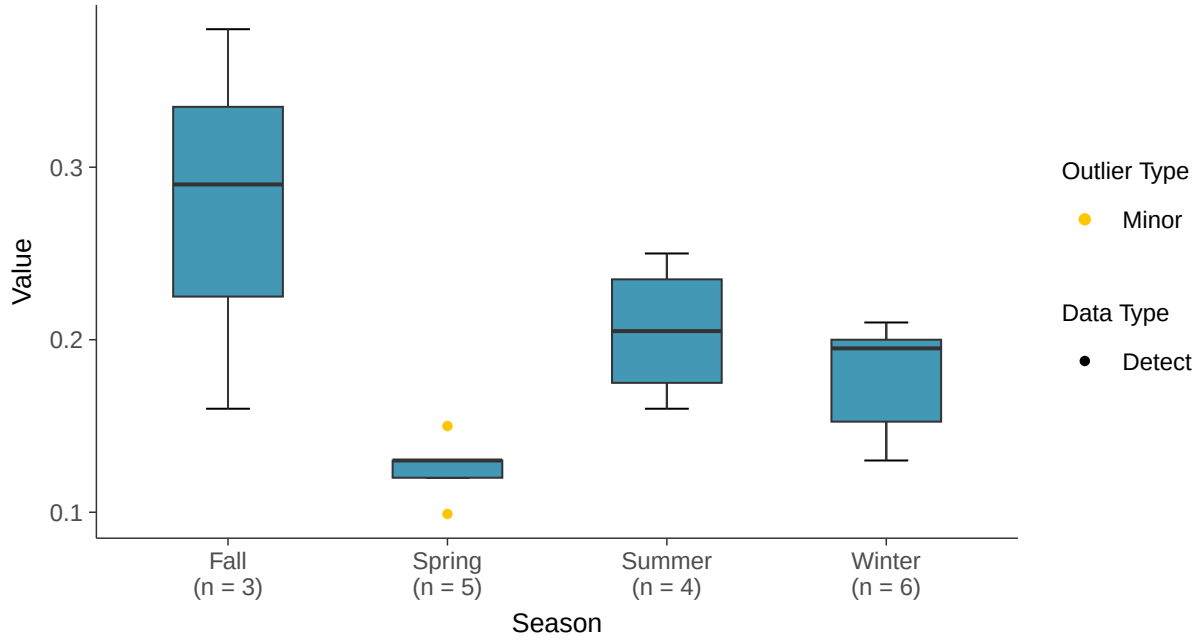
Boxplot

Barium, MW-31 (mg/L)



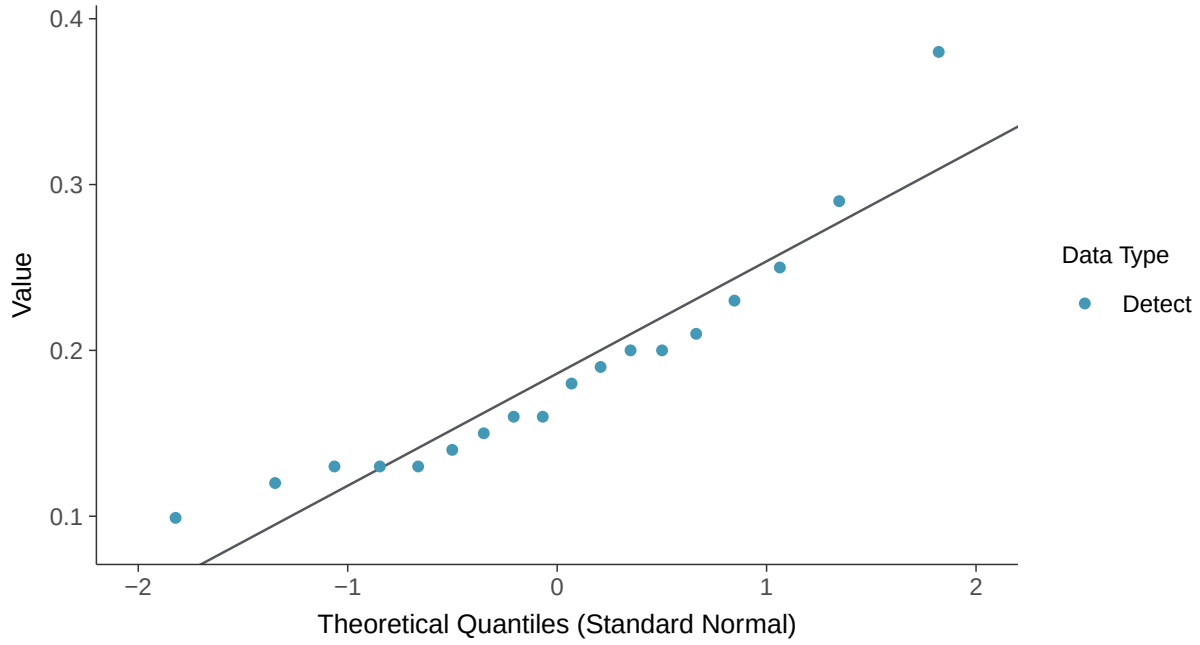
Boxplot by Season

Barium, MW-31 (mg/L)



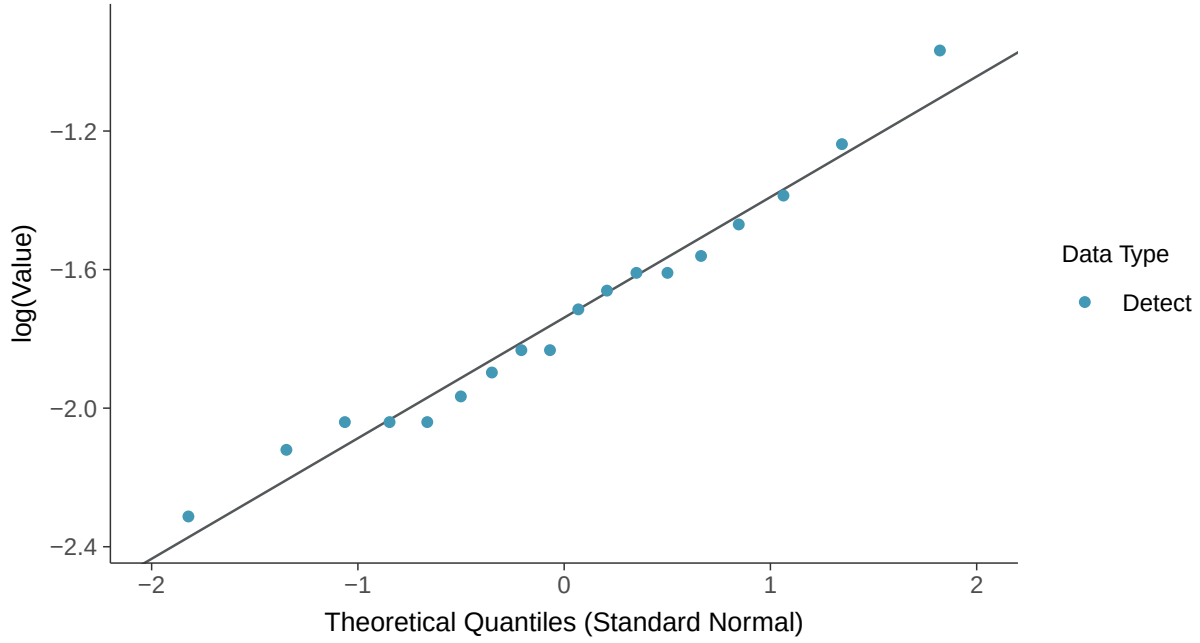
Normal Q-Q plot

Barium, MW-31 (mg/L)



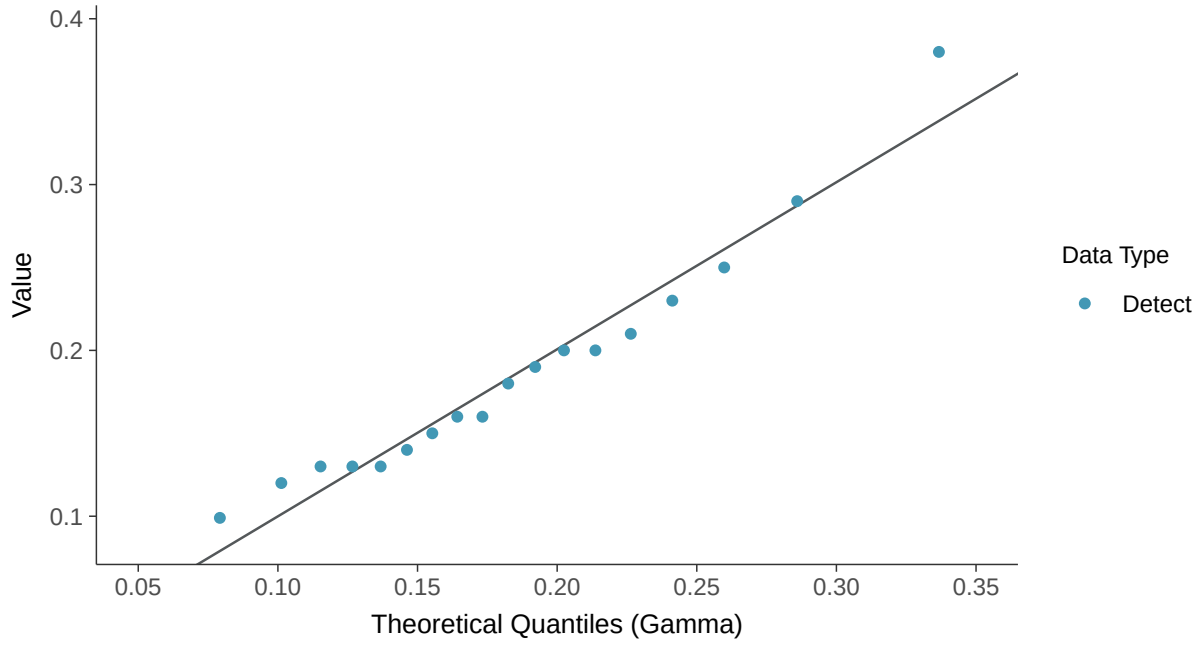
Lognormal Q-Q plot

Barium, MW-31 (mg/L)



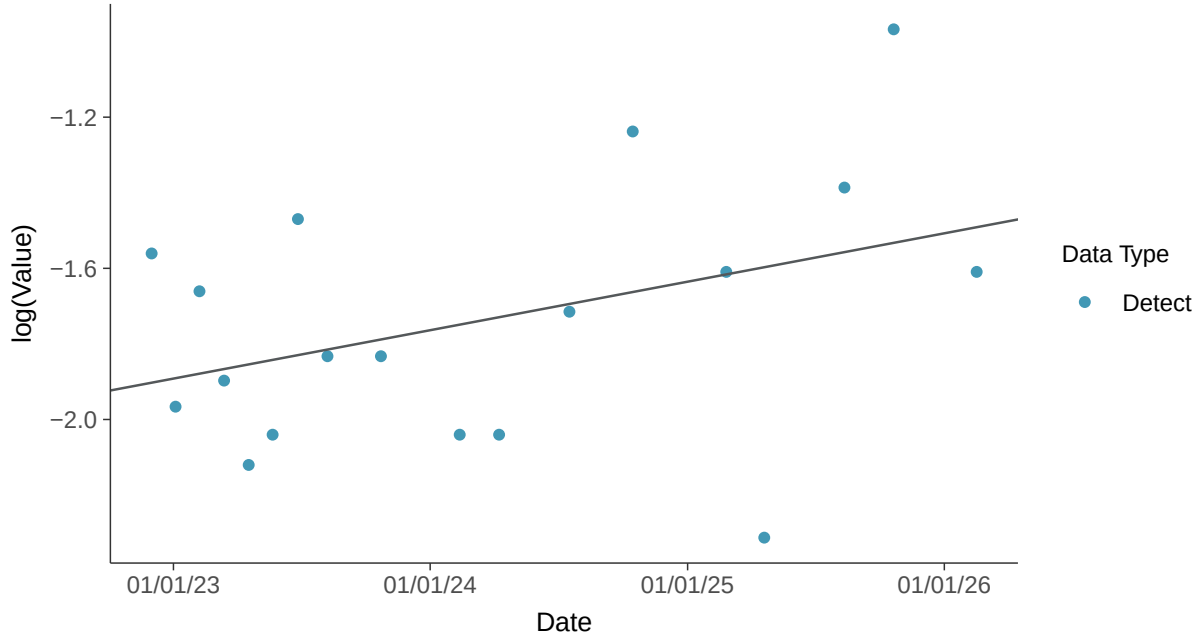
Gamma Q-Q plot

Barium, MW-31 (mg/L)



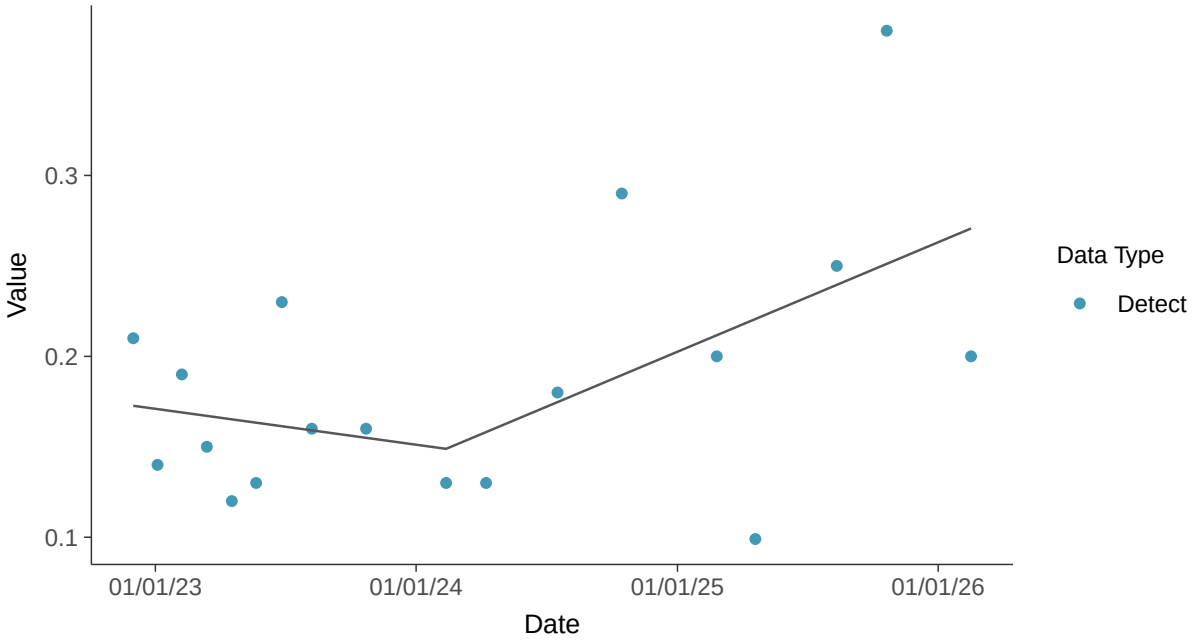
Trend Regression: Lognormal MLE

Barium, MW-31 (mg/L)



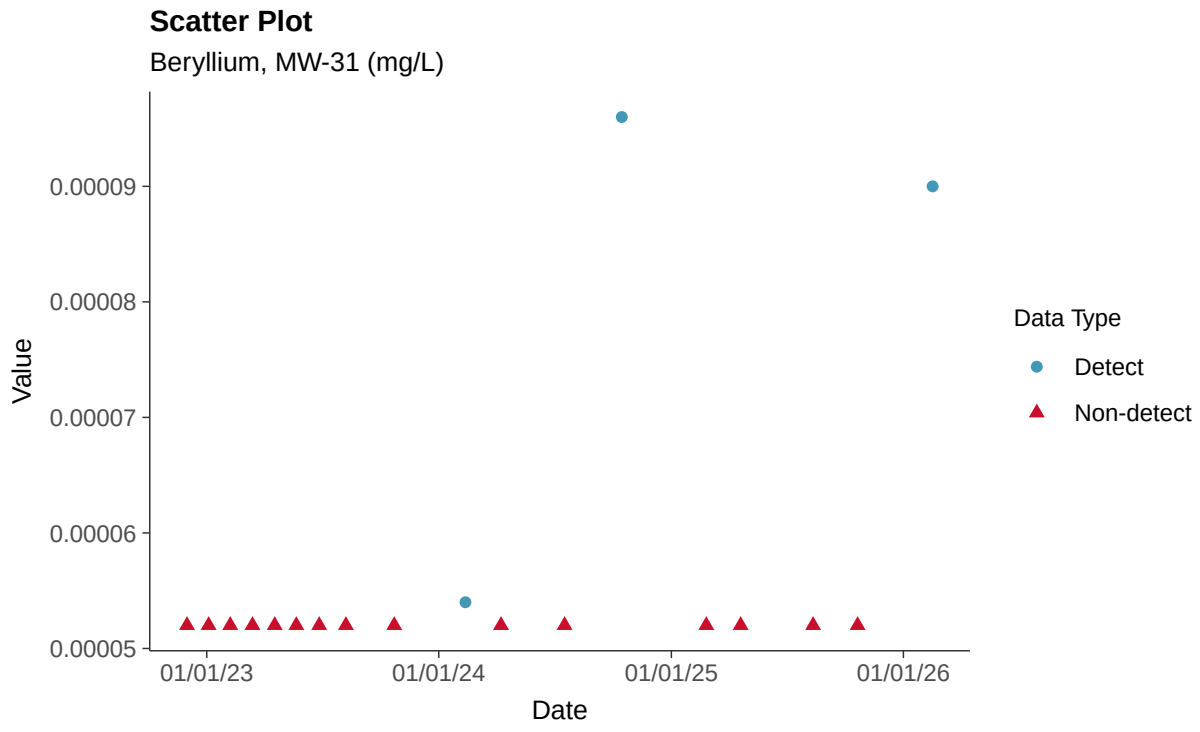
Trend Regression: Piecewise Linear-Linear

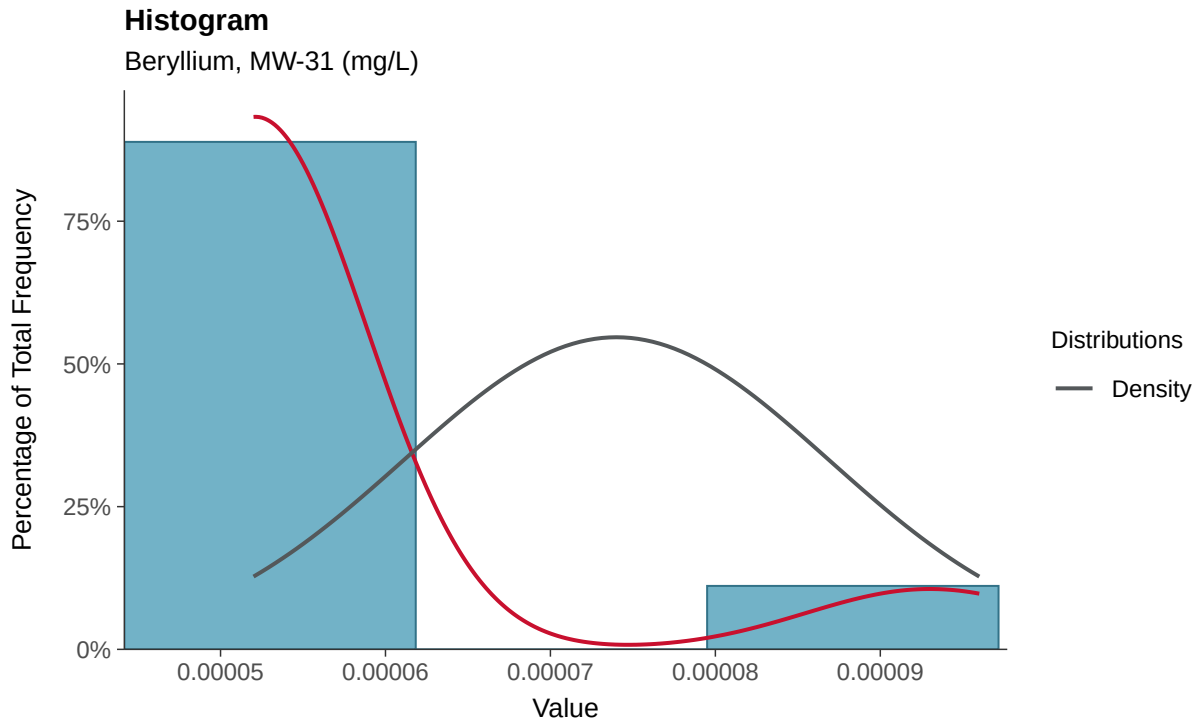
Barium, MW-31 (mg/L)



Appendix IV: Beryllium, MW-31

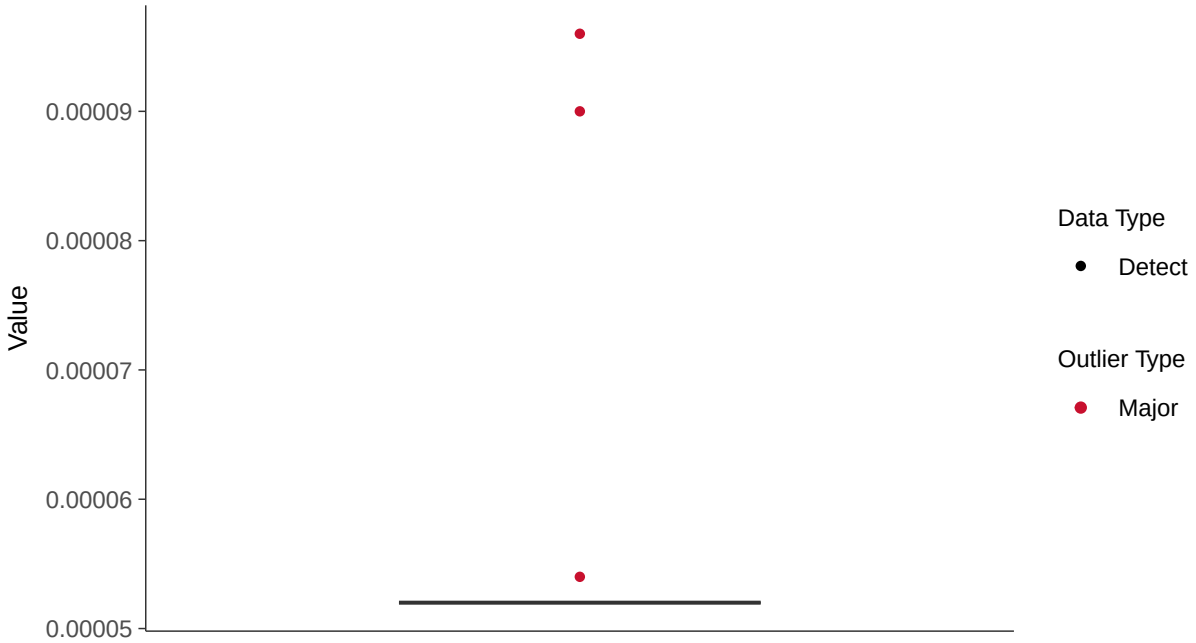
ID: 41_1_4_104





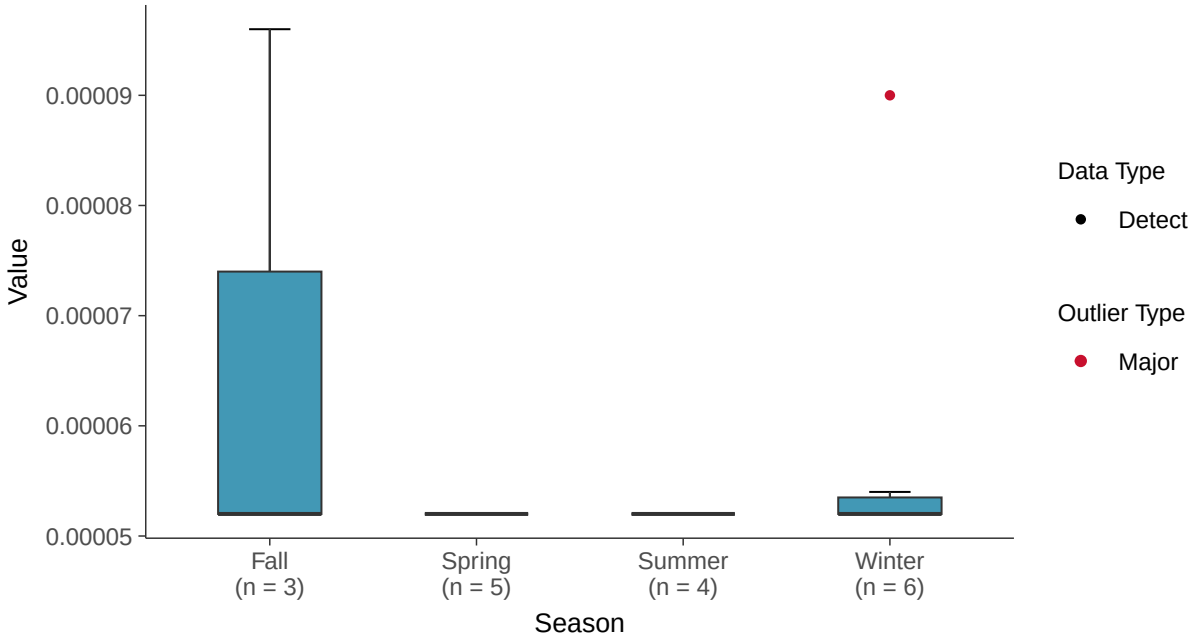
Boxplot

Beryllium, MW-31 (mg/L)



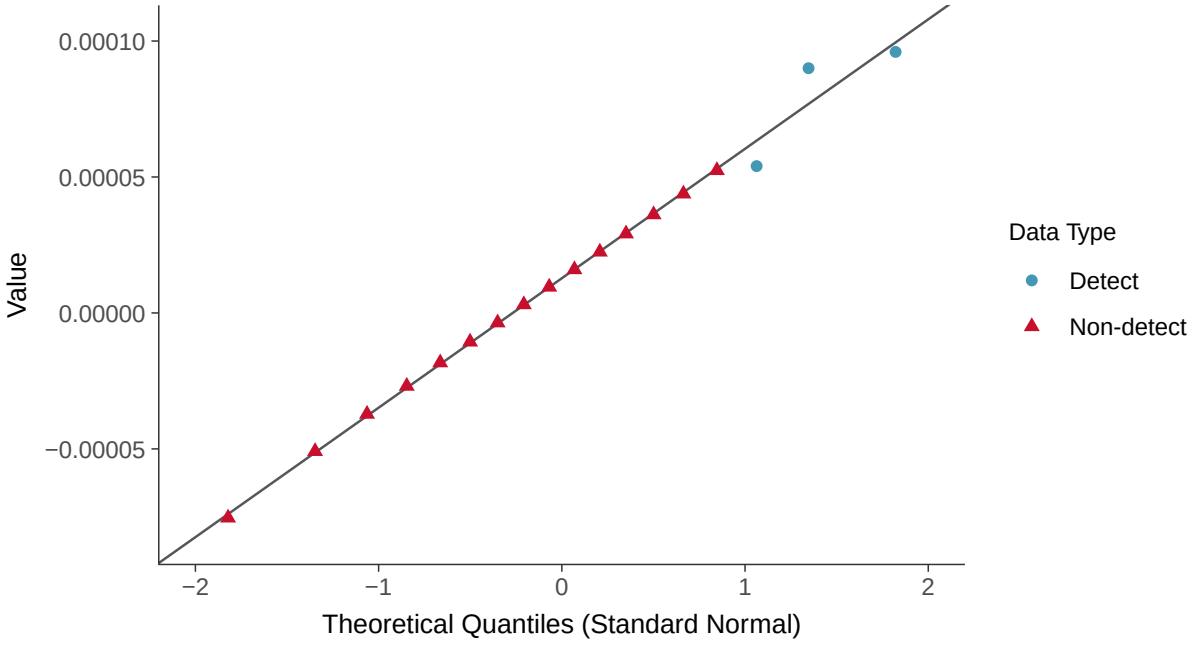
Boxplot by Season

Beryllium, MW-31 (mg/L)



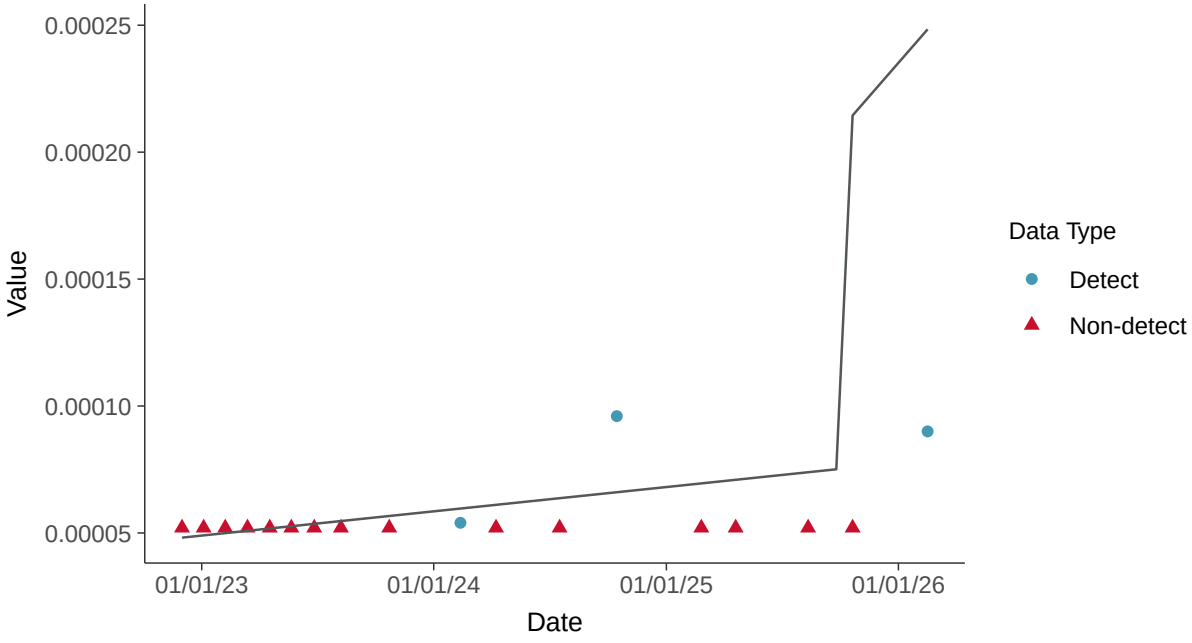
Normal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-31 (mg/L)



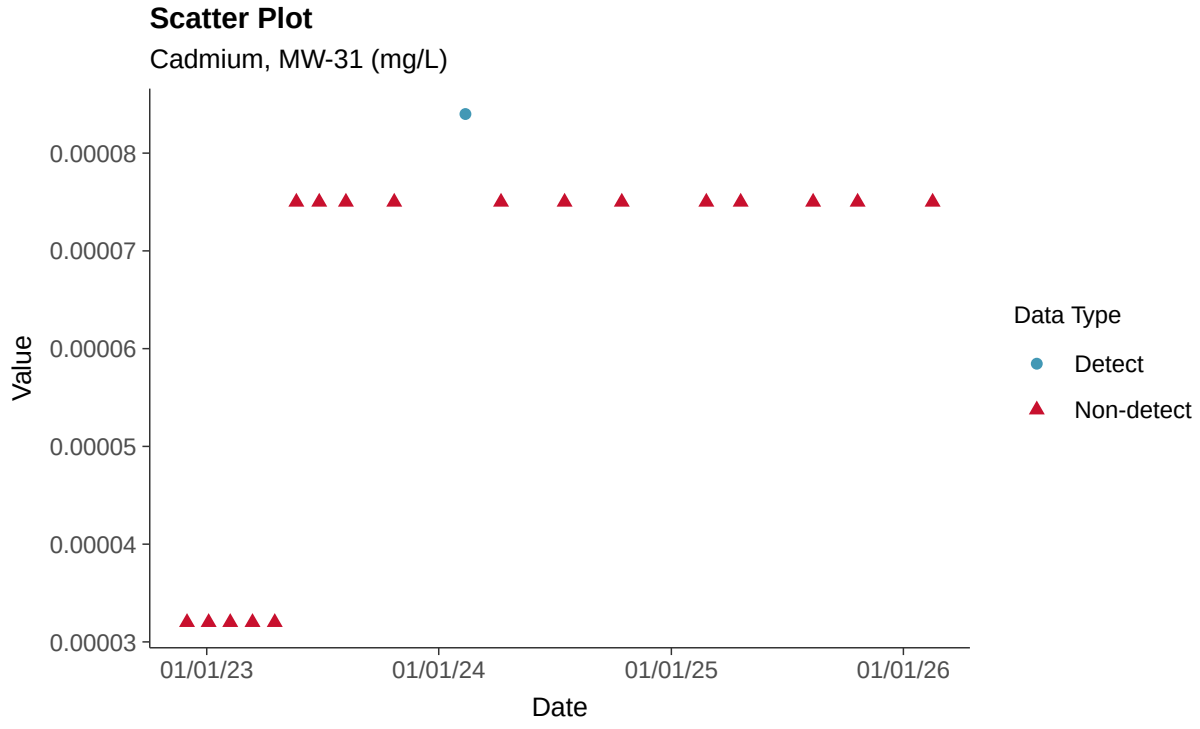
Trend Regression: Piecewise Linear-Linear-Linear

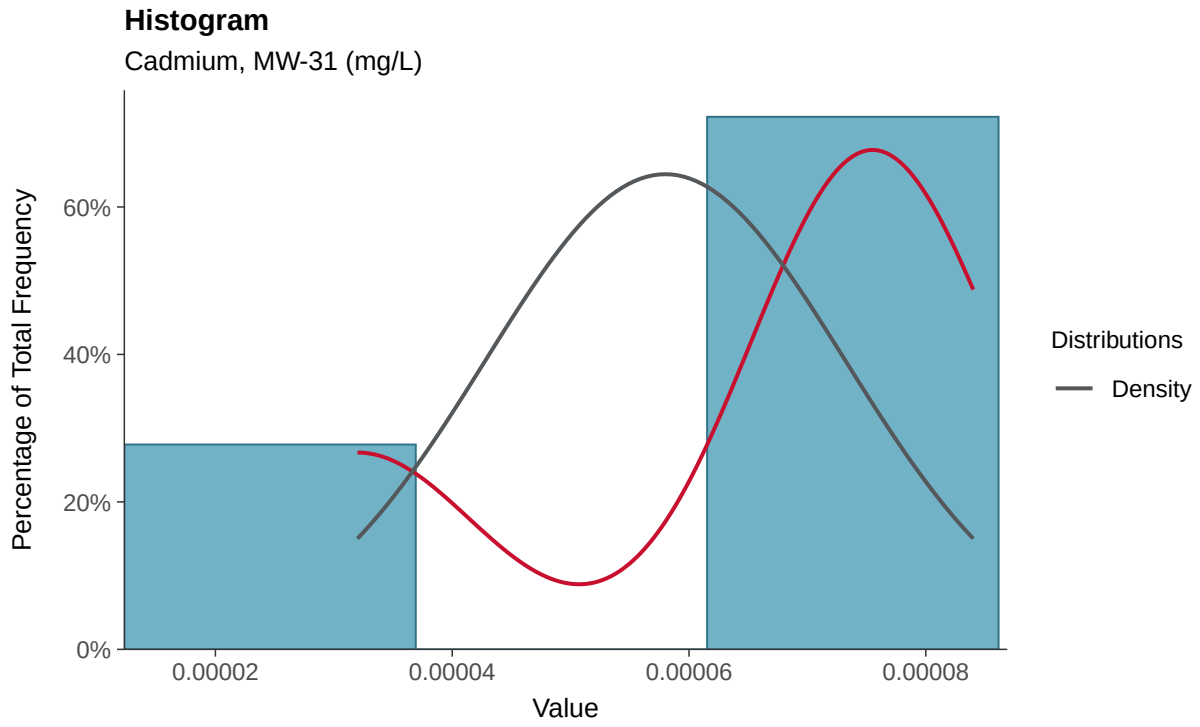
Beryllium, MW-31 (mg/L)



Appendix IV: Cadmium, MW-31

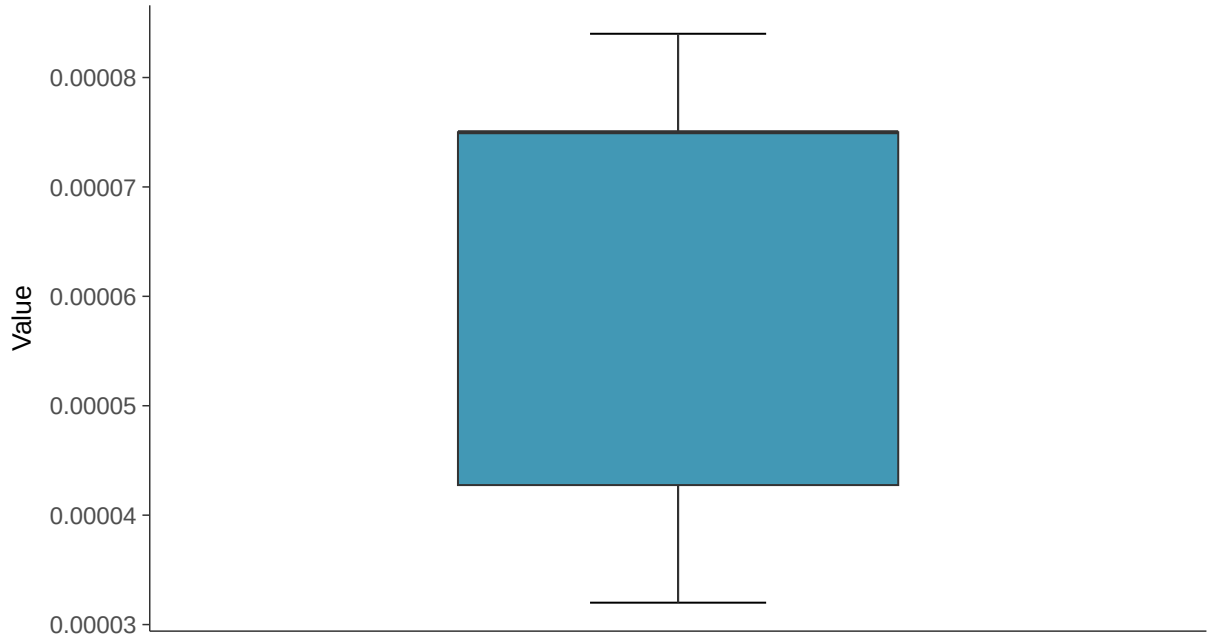
ID: 41_1_4_106





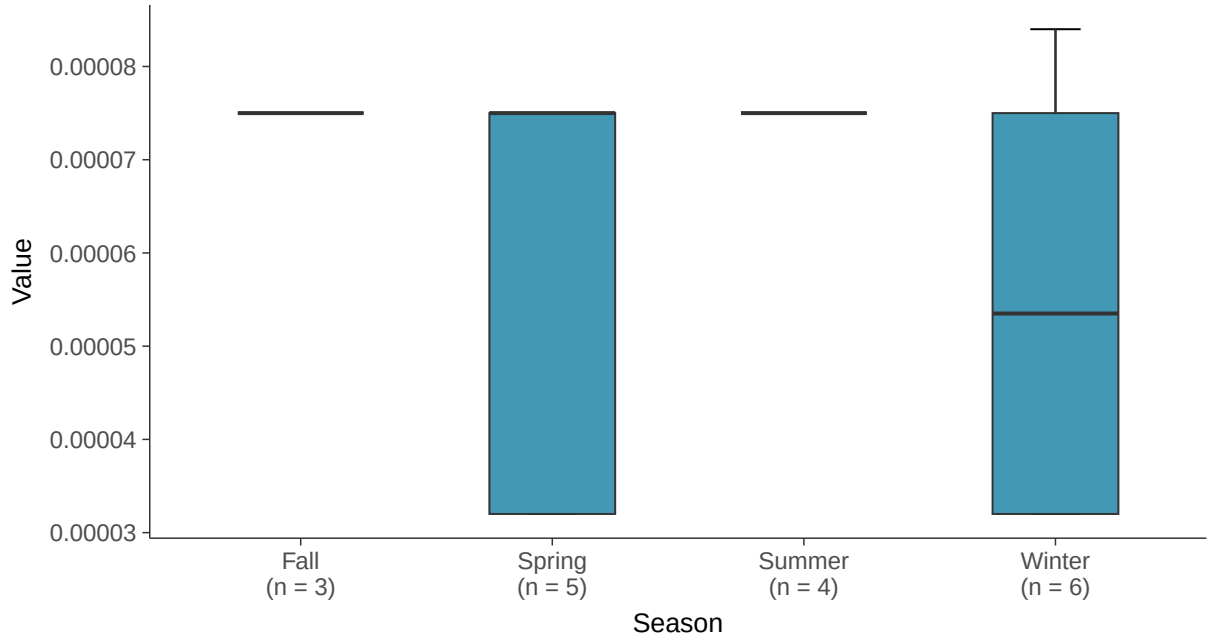
Boxplot

Cadmium, MW-31 (mg/L)



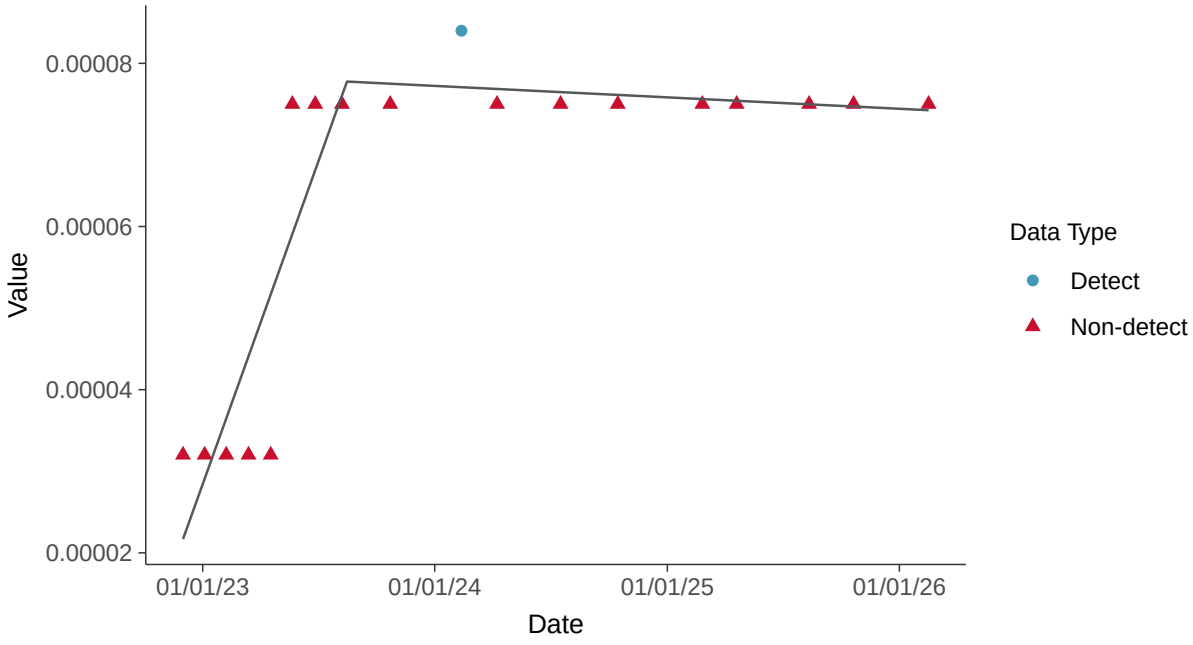
Boxplot by Season

Cadmium, MW-31 (mg/L)



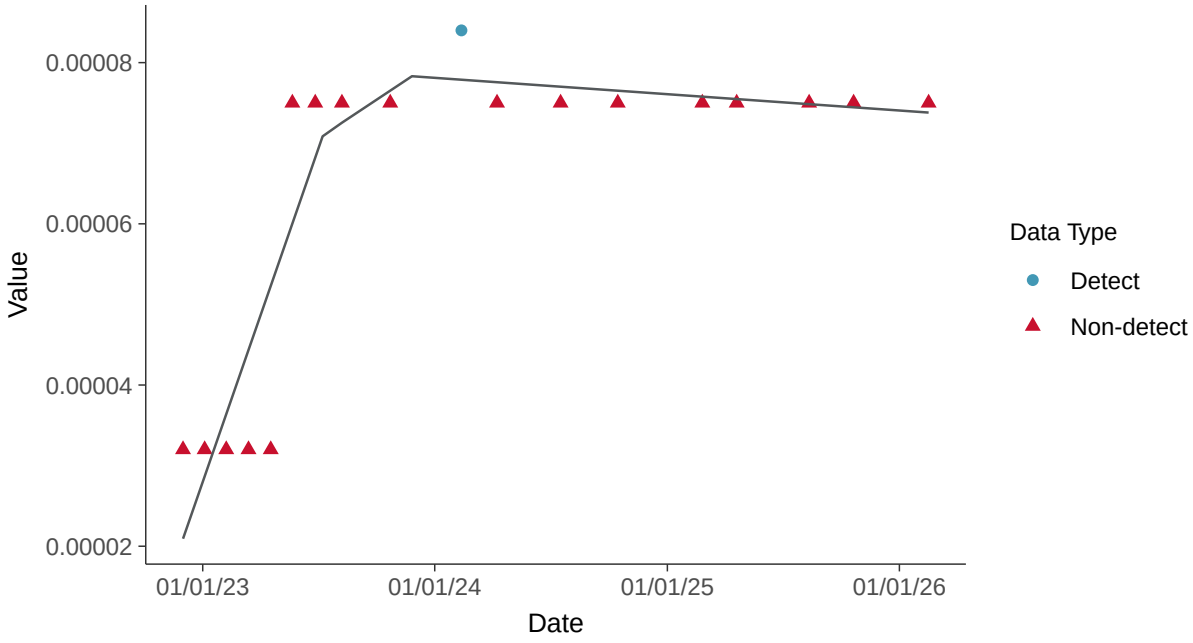
Trend Regression: Piecewise Linear-Linear

Cadmium, MW-31 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Cadmium, MW-31 (mg/L)

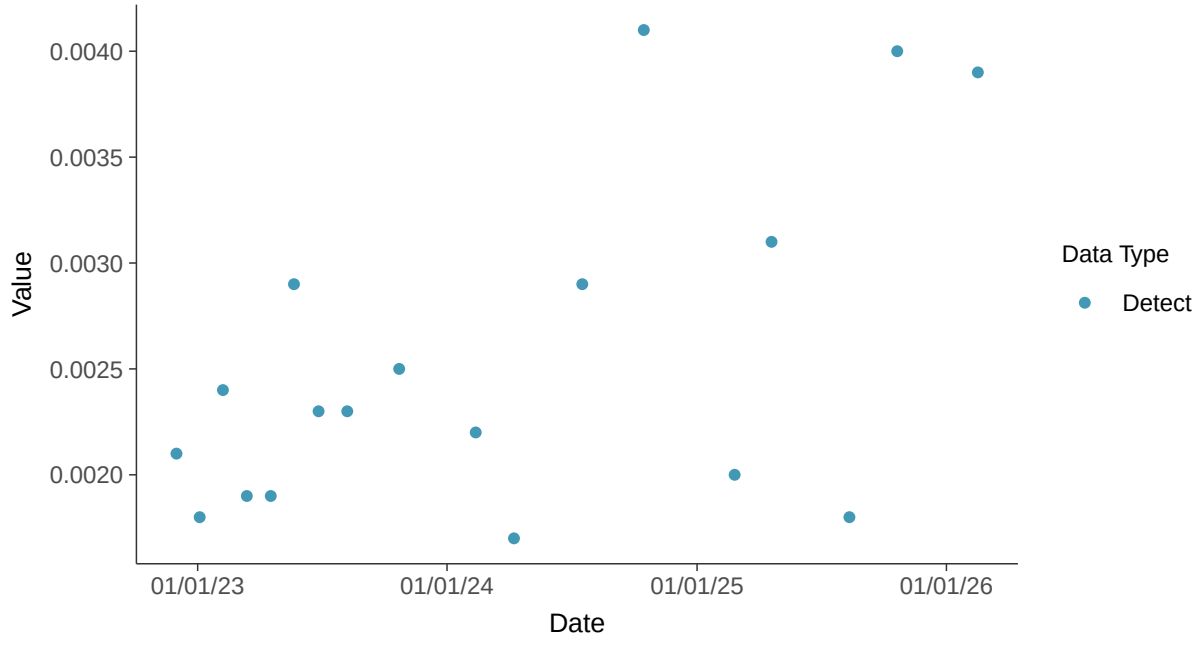


Appendix IV: Chromium, Total, MW-31

ID: 41_1_4_109

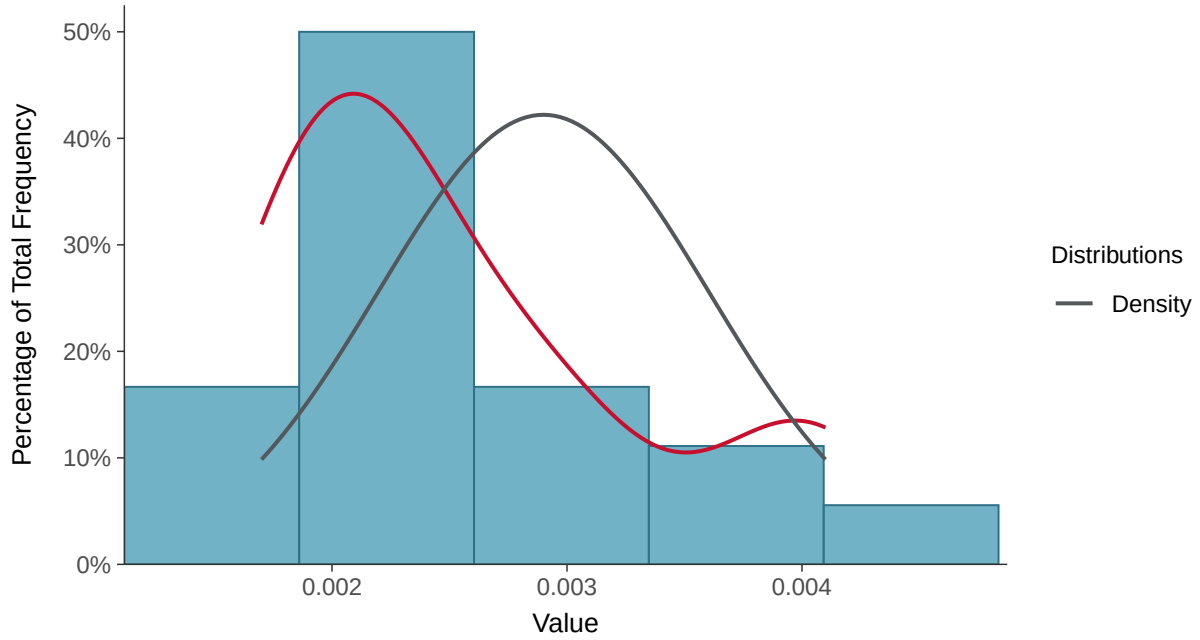
Scatter Plot

Chromium, Total, MW-31 (mg/L)



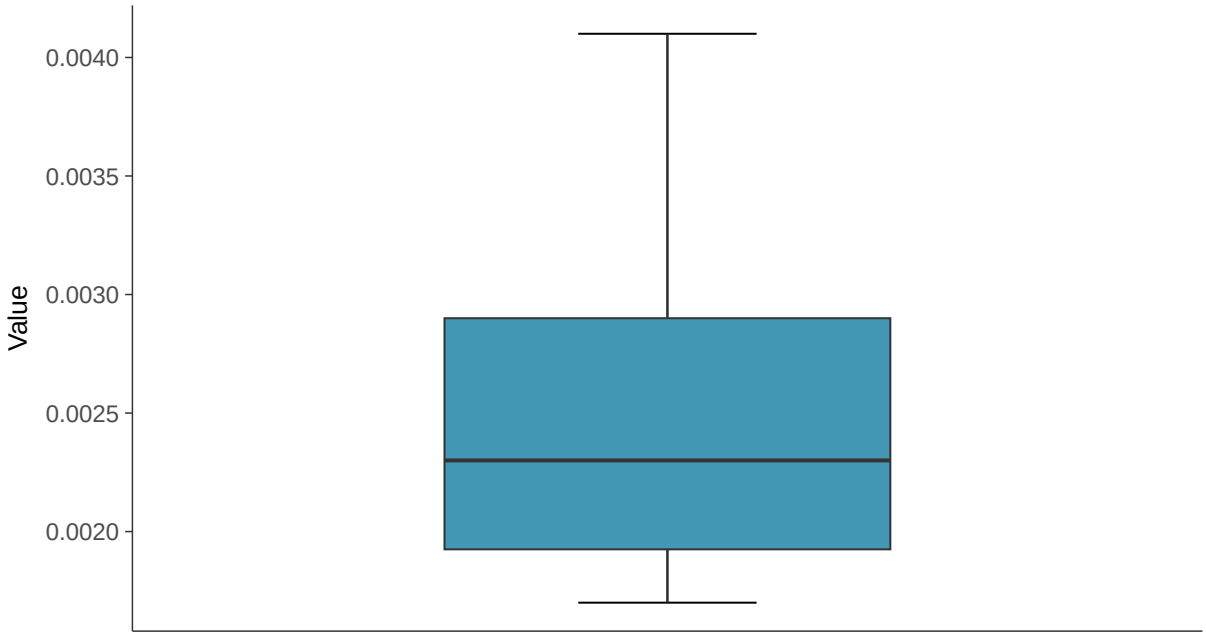
Histogram

Chromium, Total, MW-31 (mg/L)



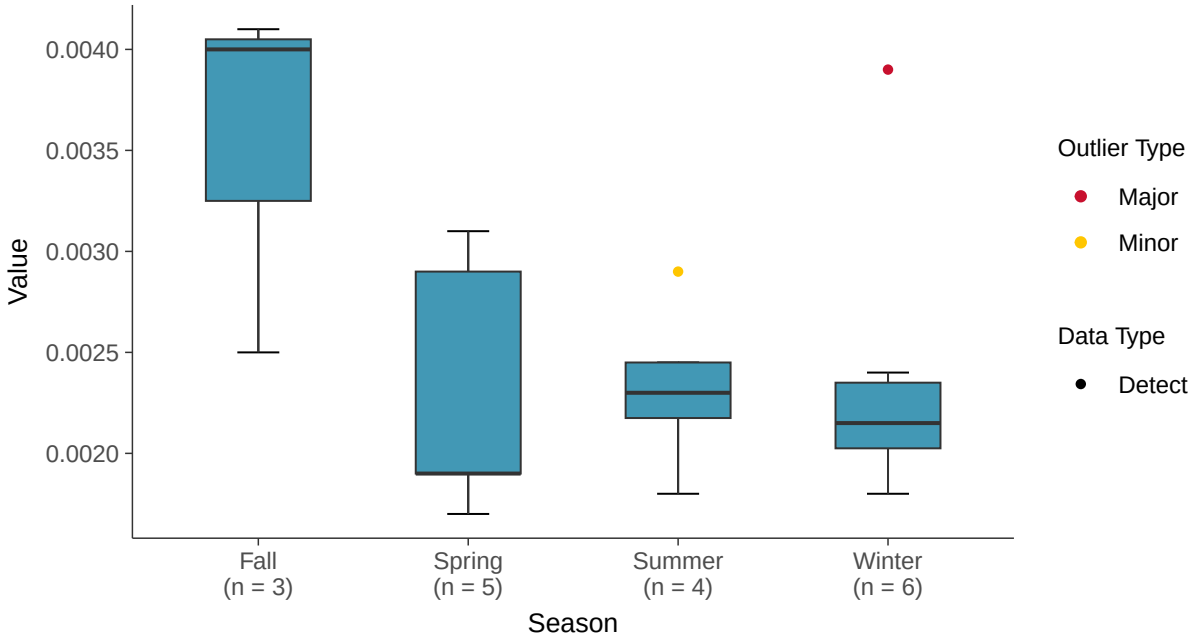
Boxplot

Chromium, Total, MW-31 (mg/L)



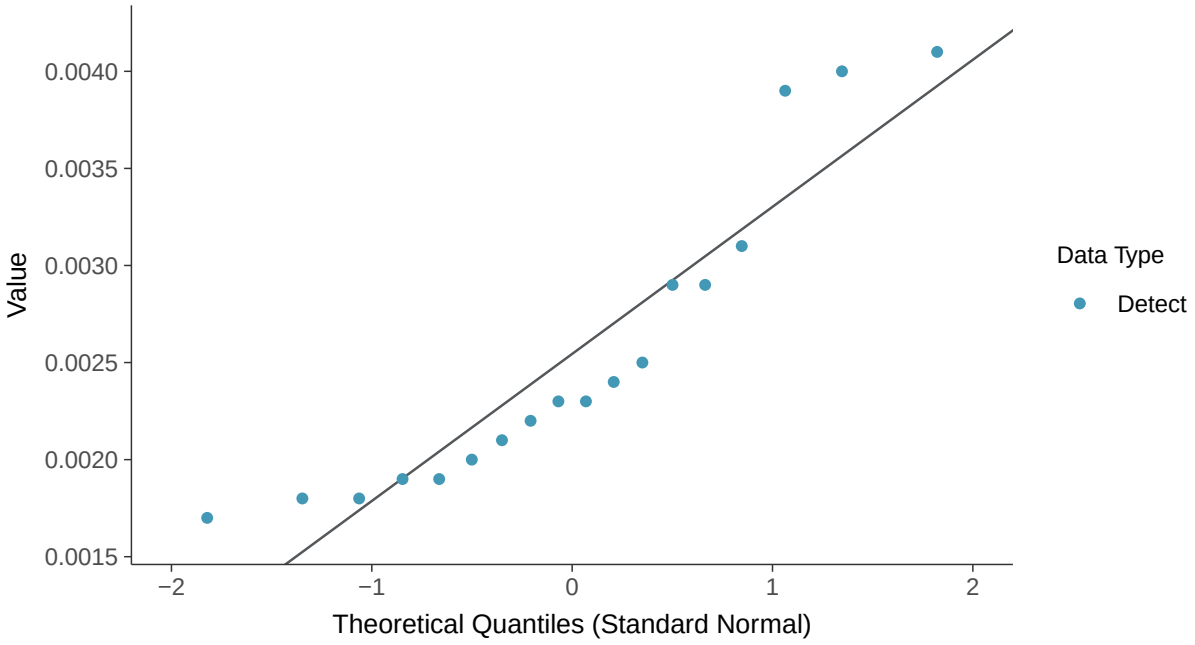
Boxplot by Season

Chromium, Total, MW-31 (mg/L)



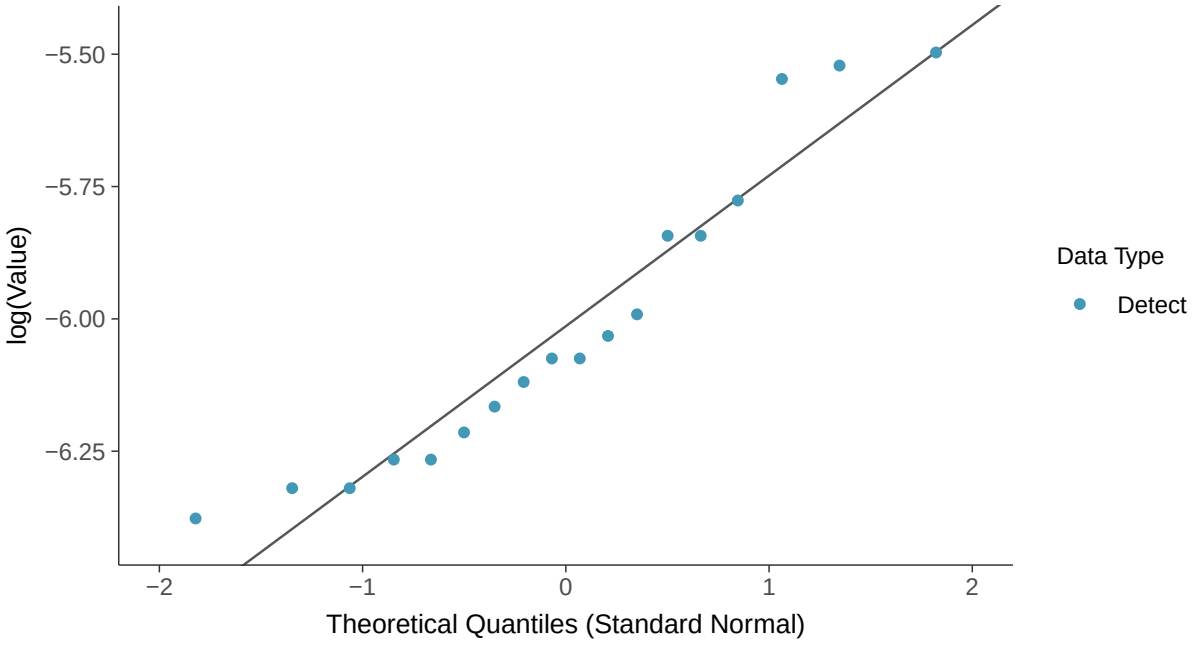
Normal Q-Q plot

Chromium, Total, MW-31 (mg/L)



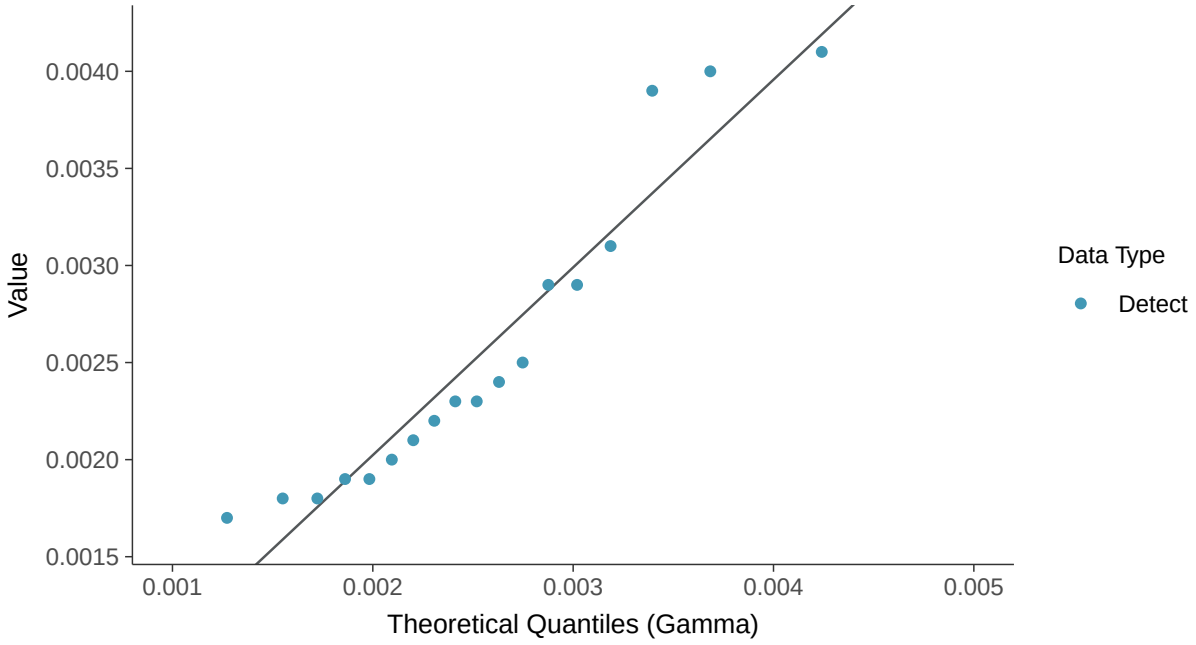
Lognormal Q-Q plot

Chromium, Total, MW-31 (mg/L)



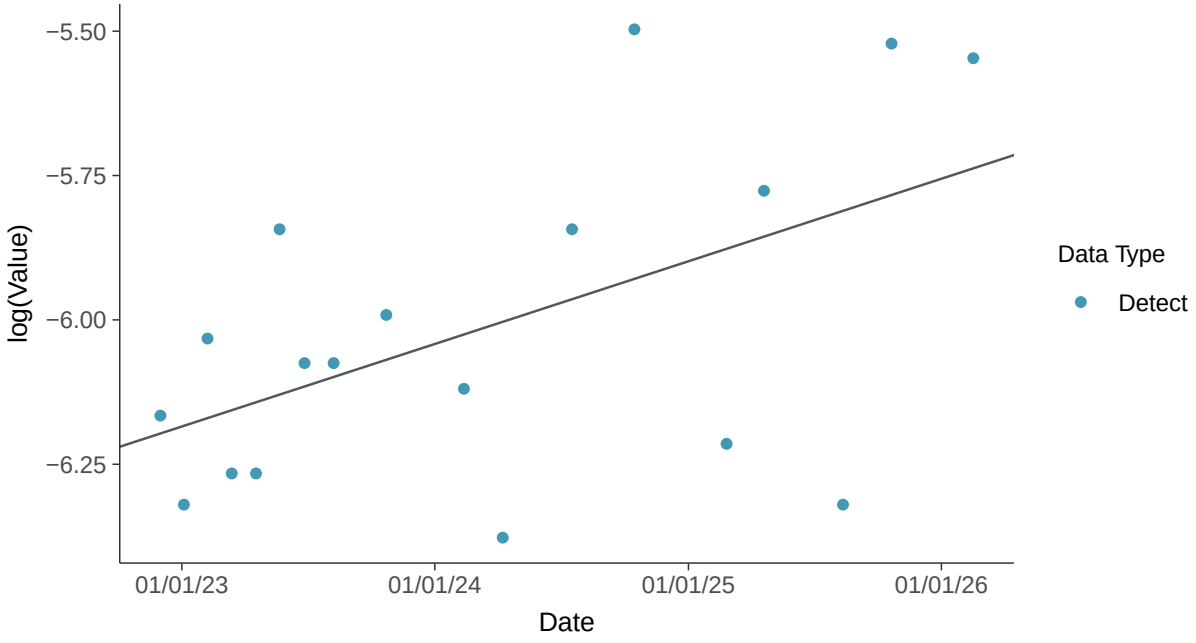
Gamma Q-Q plot

Chromium, Total, MW-31 (mg/L)



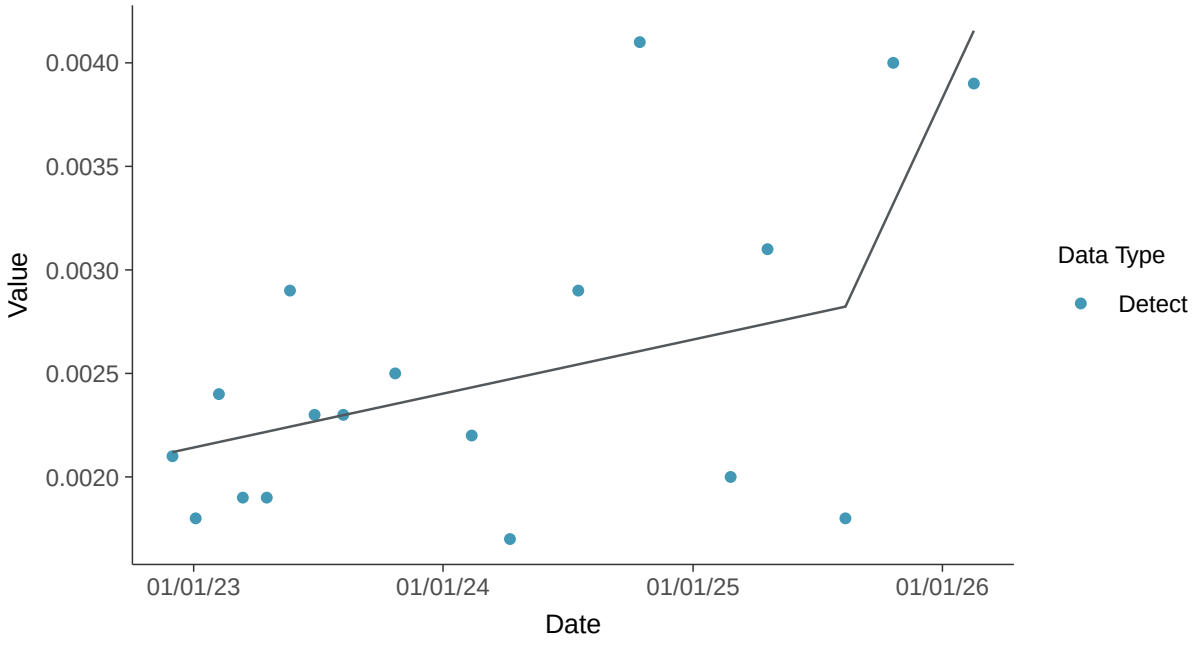
Trend Regression: Lognormal MLE

Chromium, Total, MW-31 (mg/L)



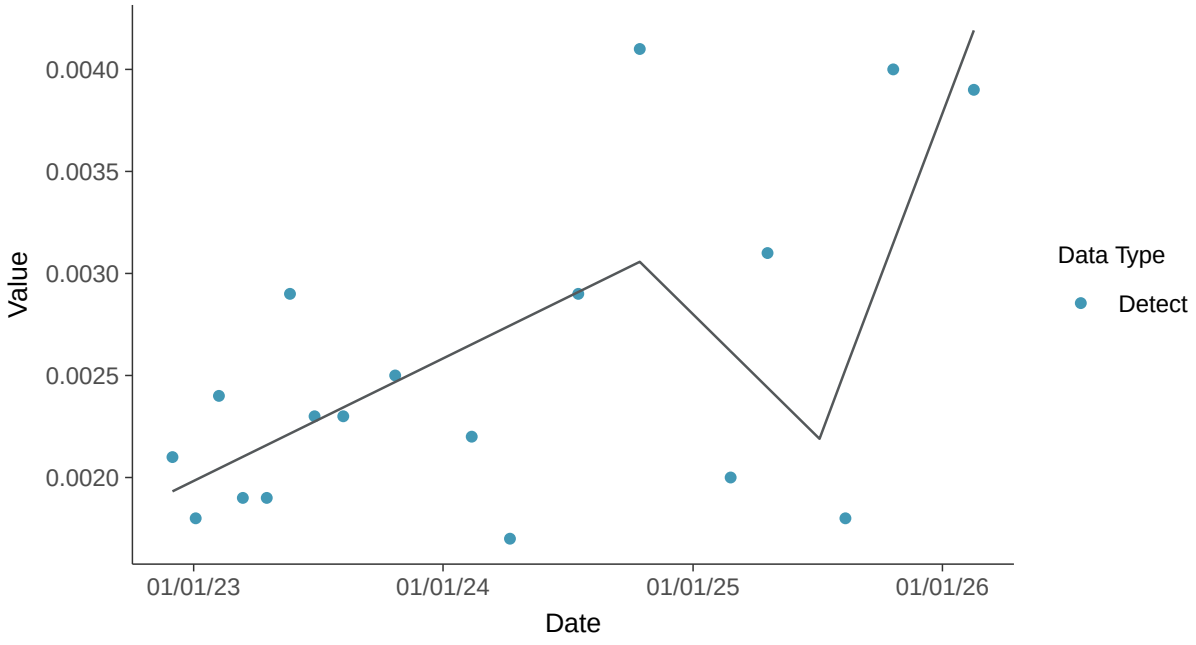
Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-31 (mg/L)



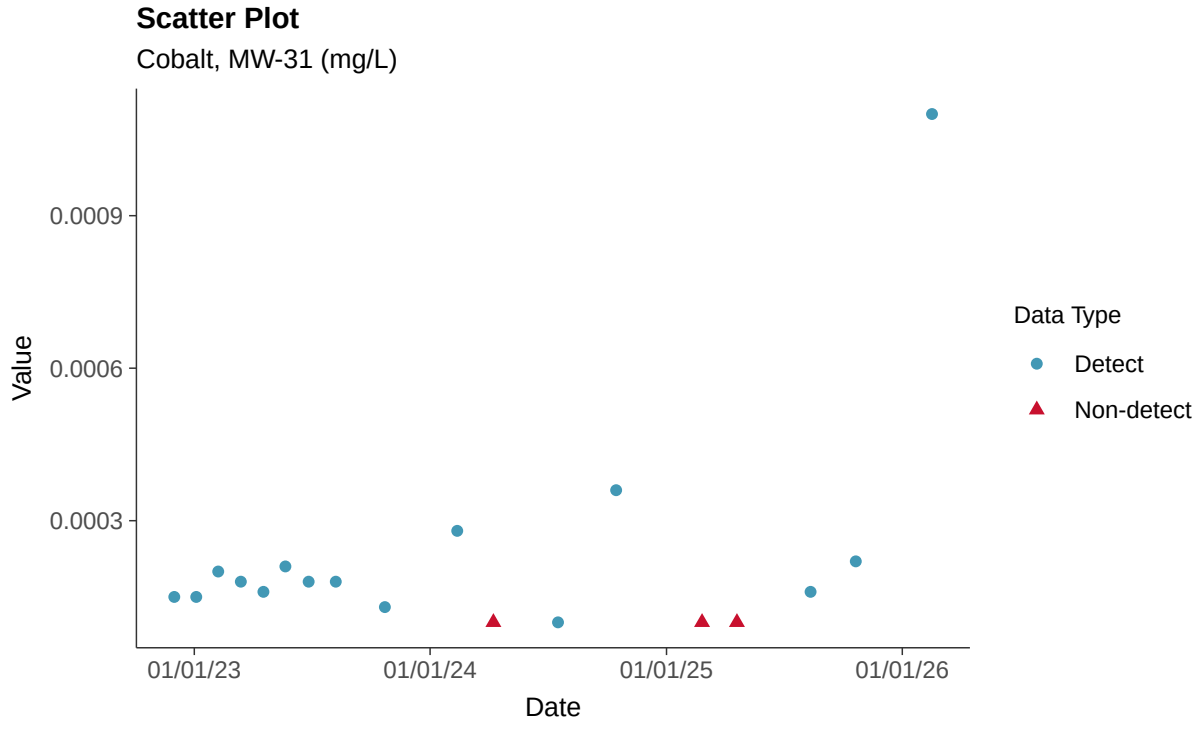
Trend Regression: Piecewise Linear-Linear-Linear

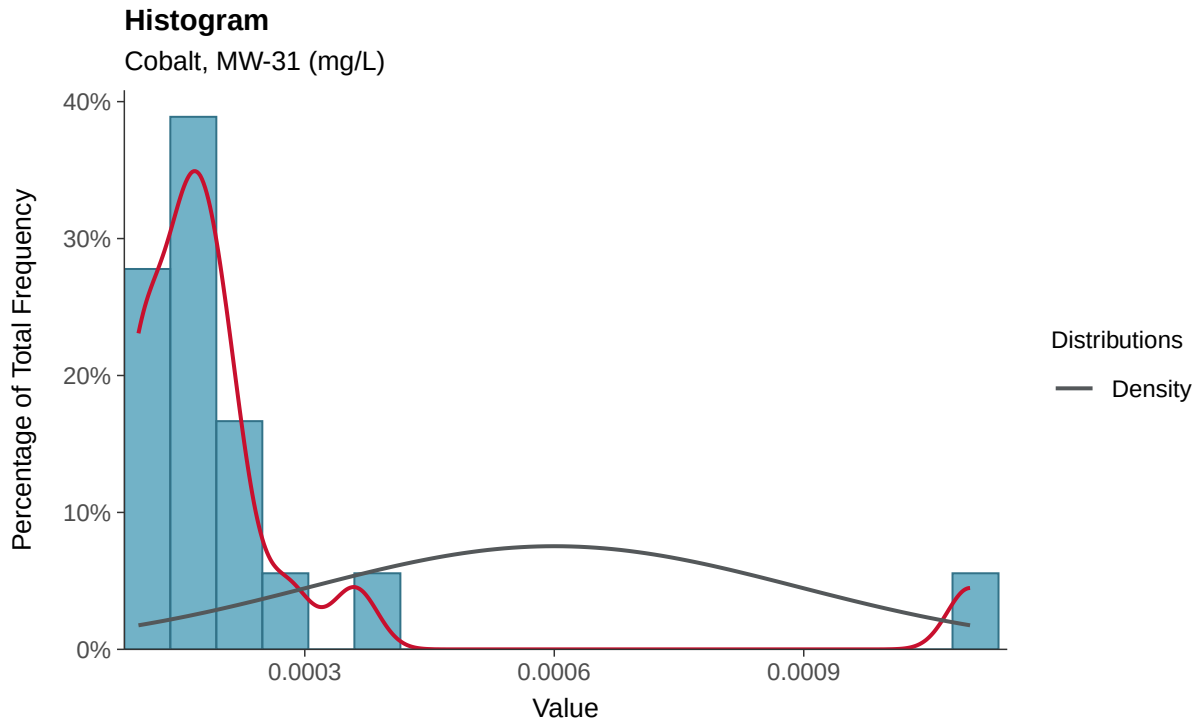
Chromium, Total, MW-31 (mg/L)



Appendix IV: Cobalt, MW-31

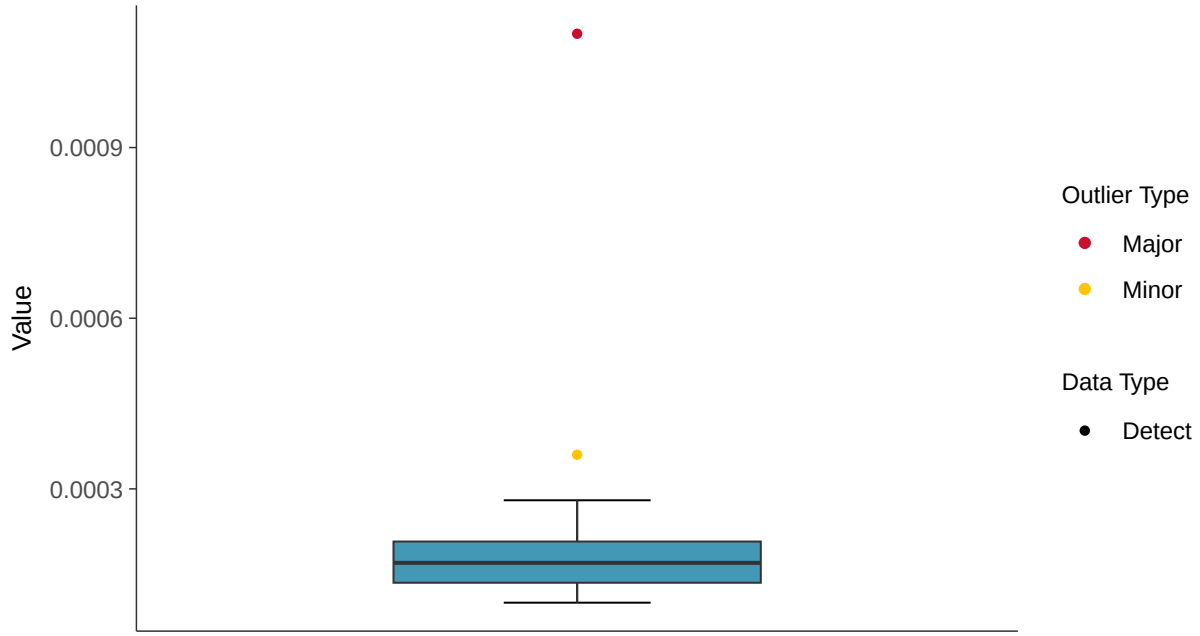
ID: 41_1_4_110





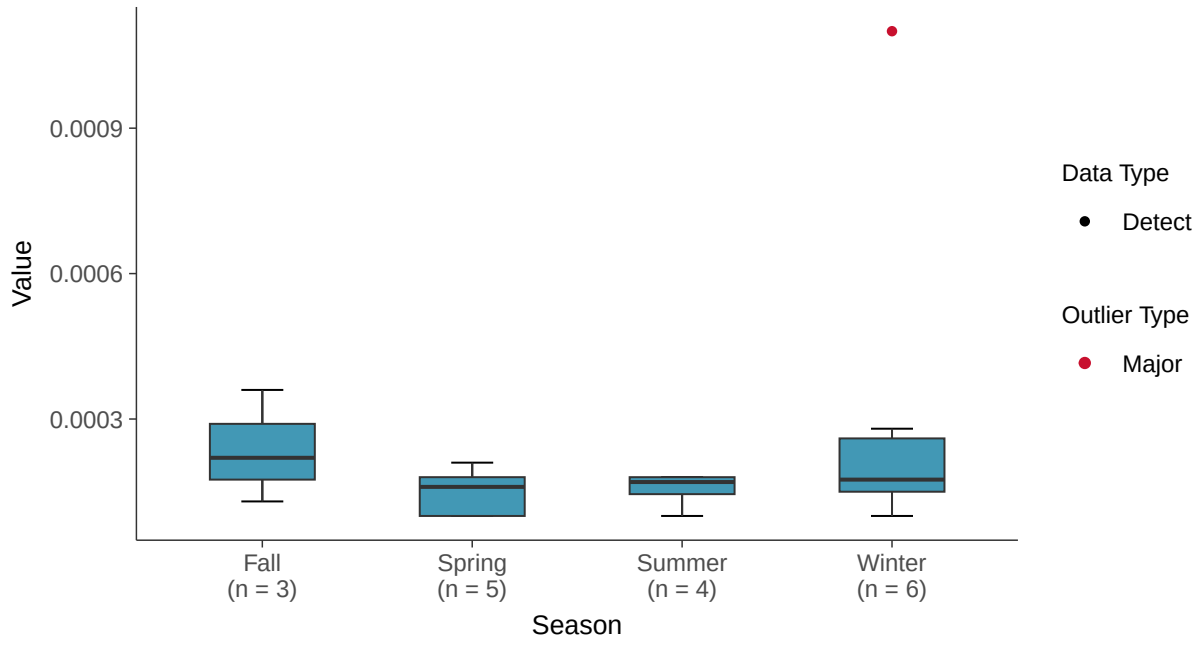
Boxplot

Cobalt, MW-31 (mg/L)



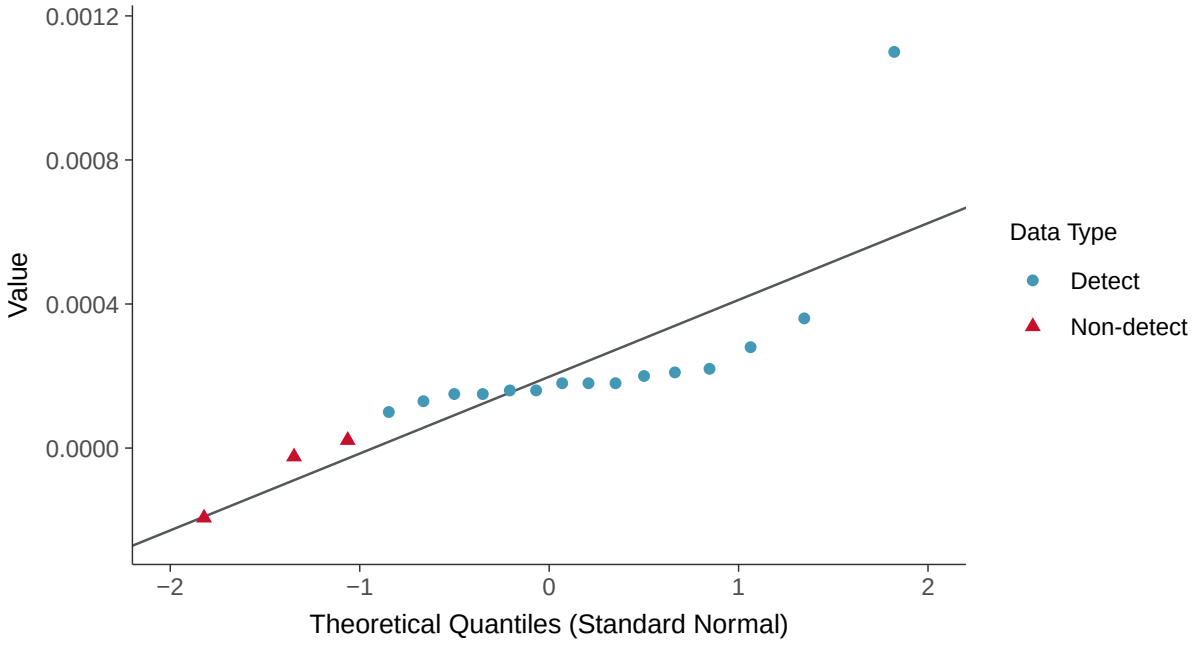
Boxplot by Season

Cobalt, MW-31 (mg/L)



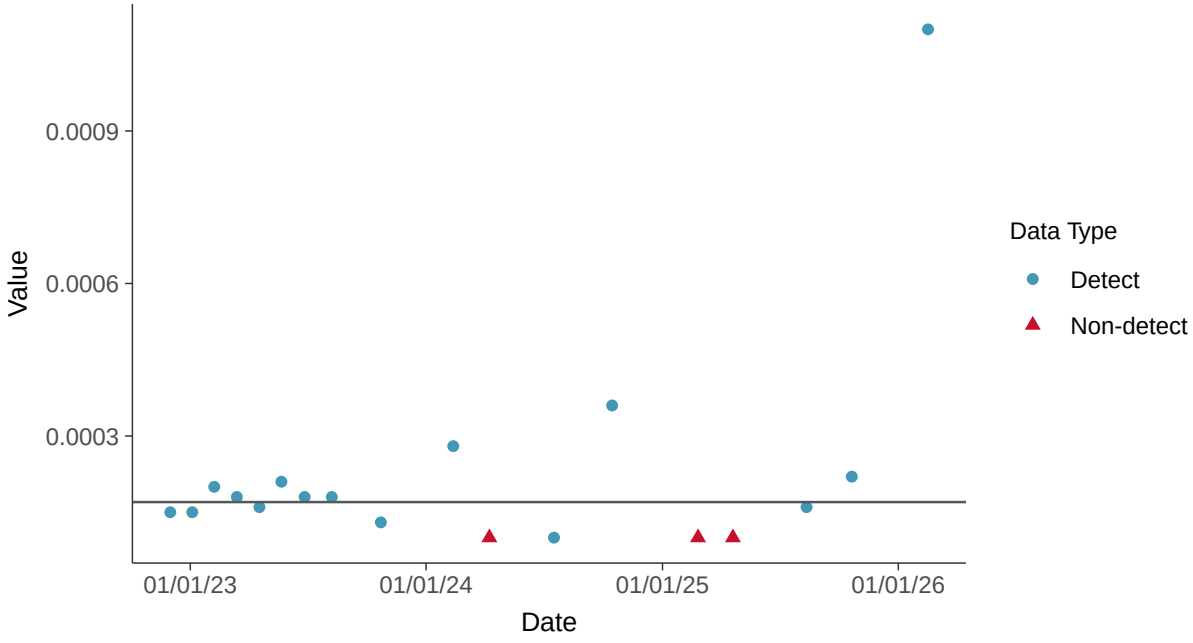
Normal Q-Q plot using ROS Imputed Estimates

Cobalt, MW-31 (mg/L)



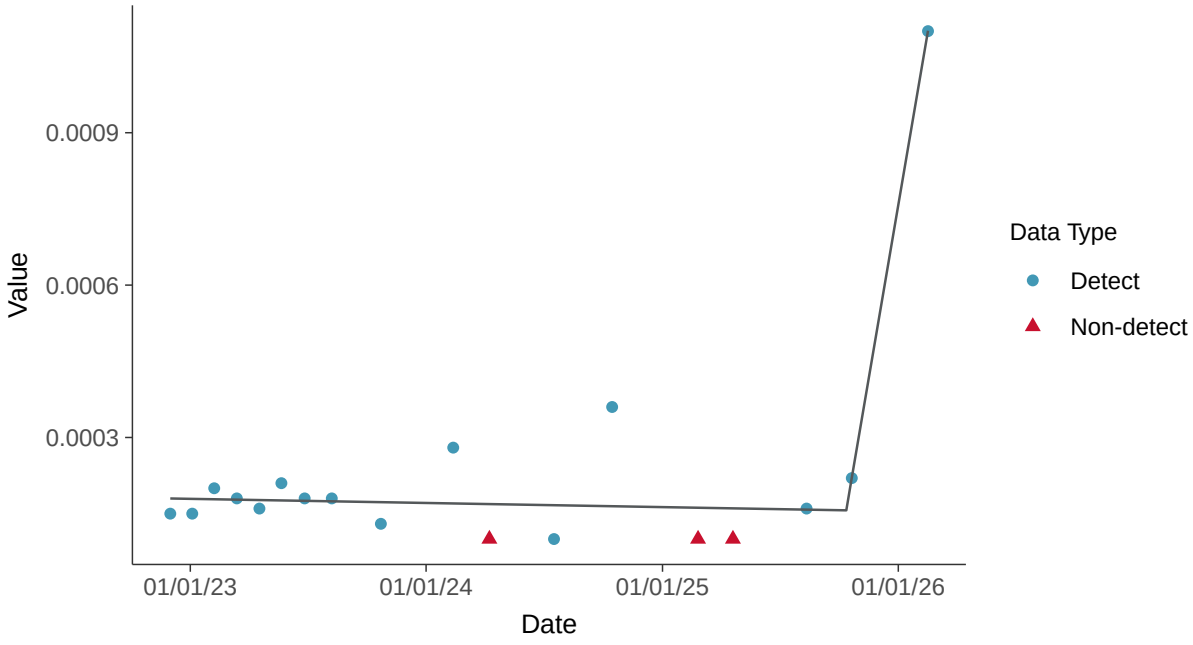
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Cobalt, MW-31 (mg/L)



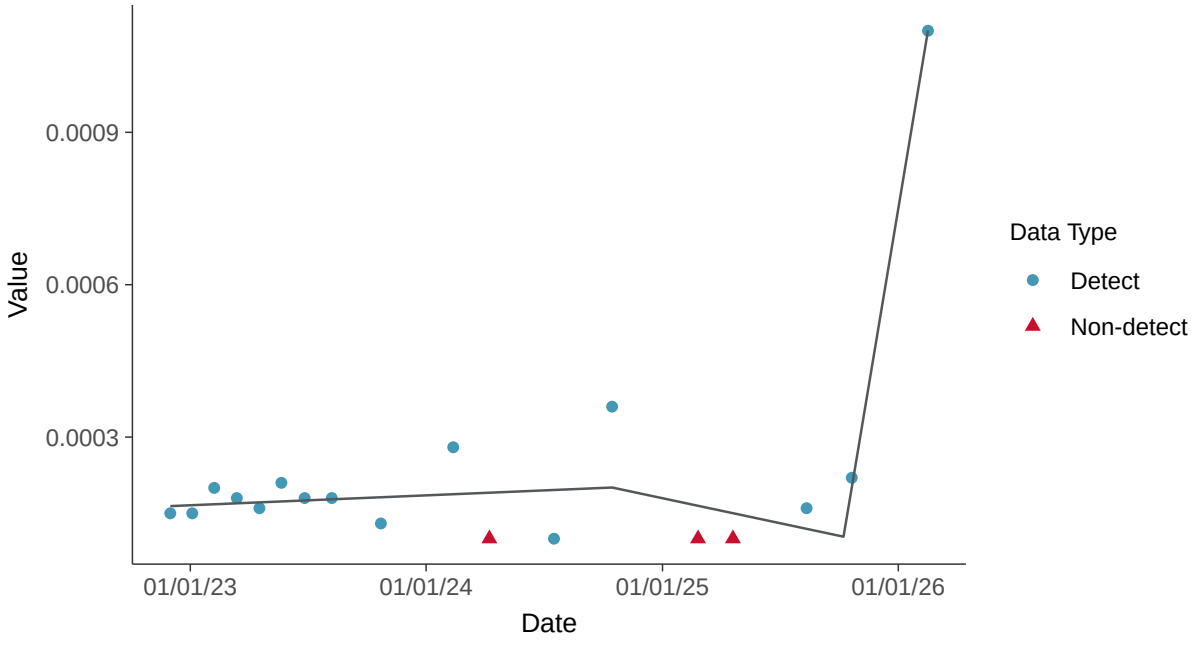
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-31 (mg/L)



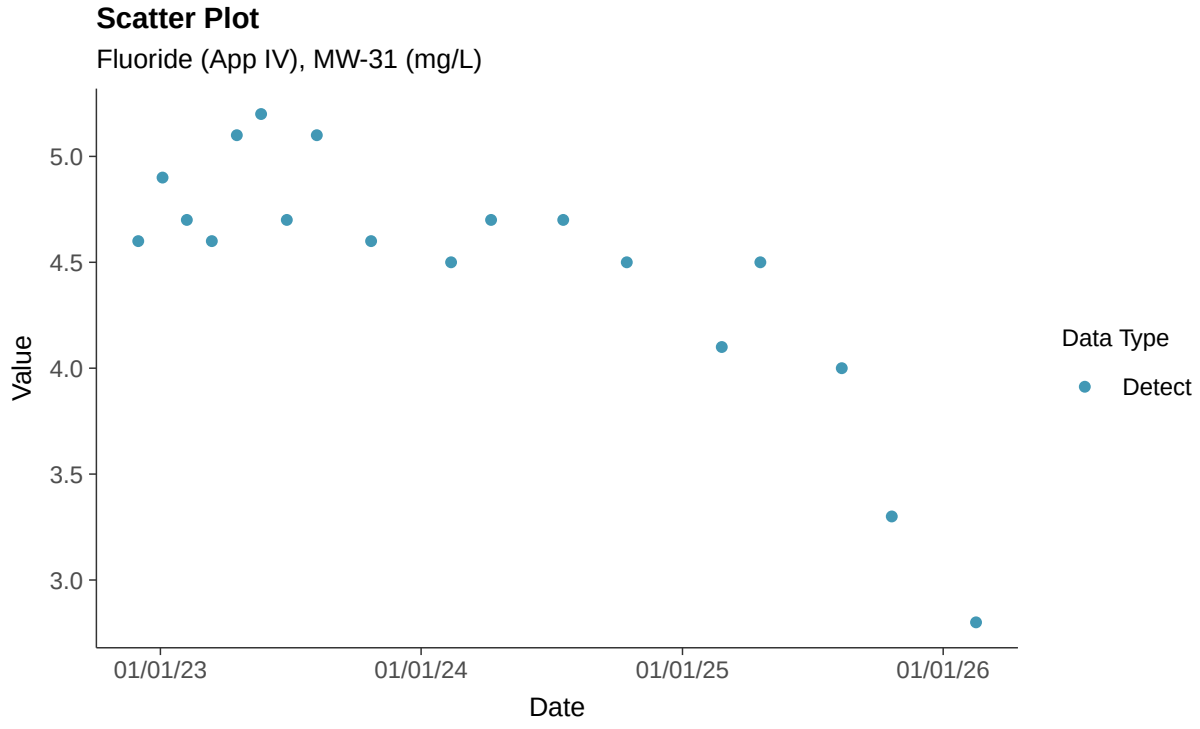
Trend Regression: Piecewise Linear-Linear-Linear

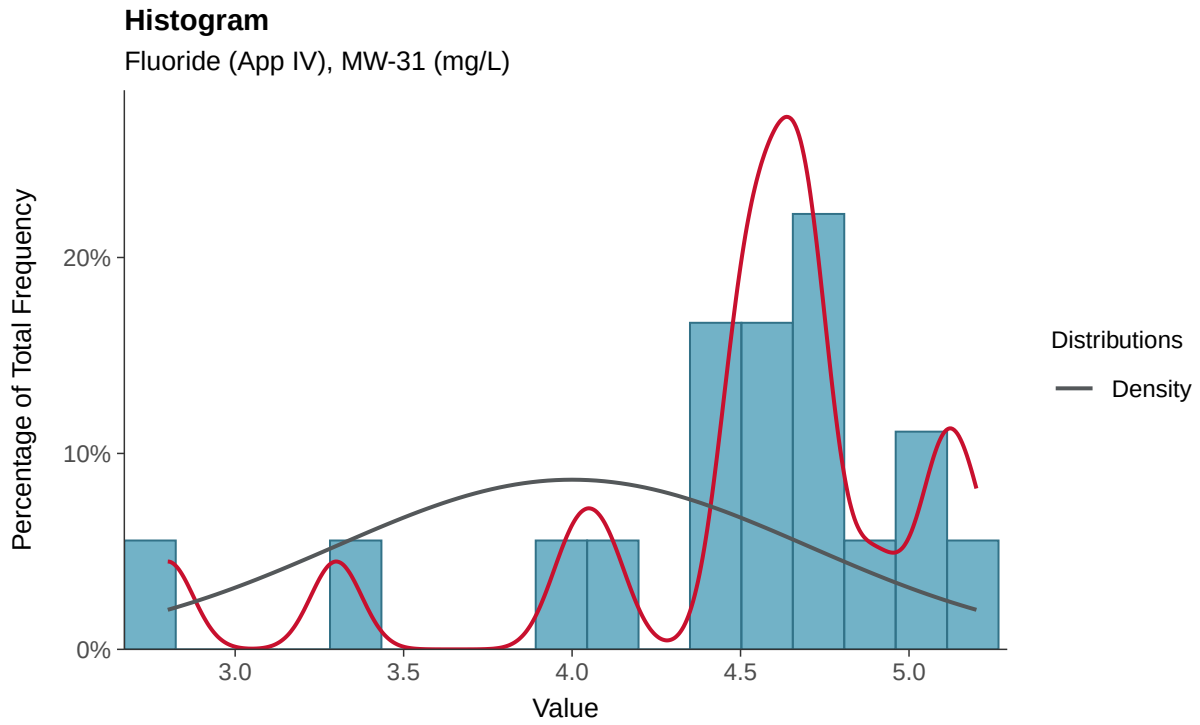
Cobalt, MW-31 (mg/L)



Appendix IV: Fluoride (App IV), MW-31

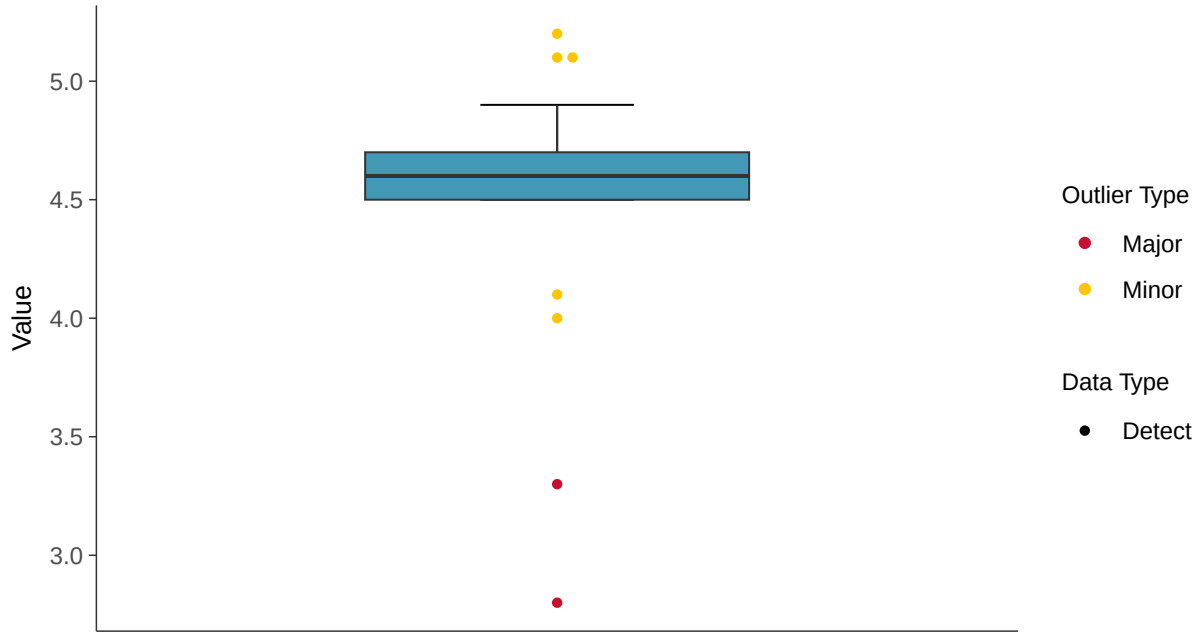
ID: 41_1_4_113





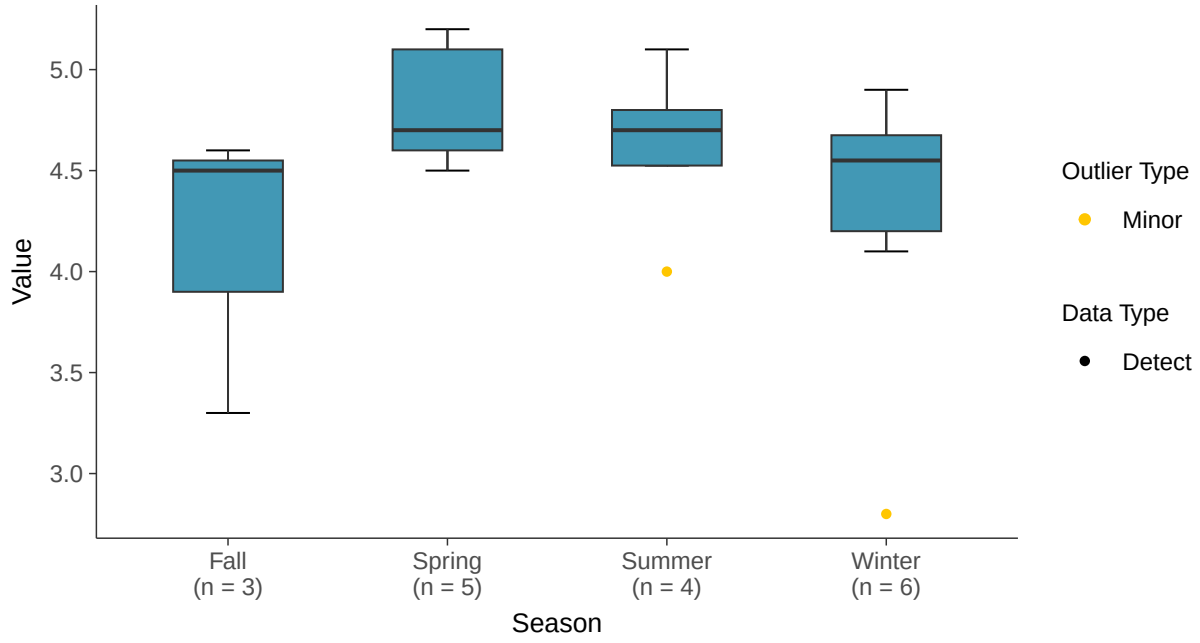
Boxplot

Fluoride (App IV), MW-31 (mg/L)



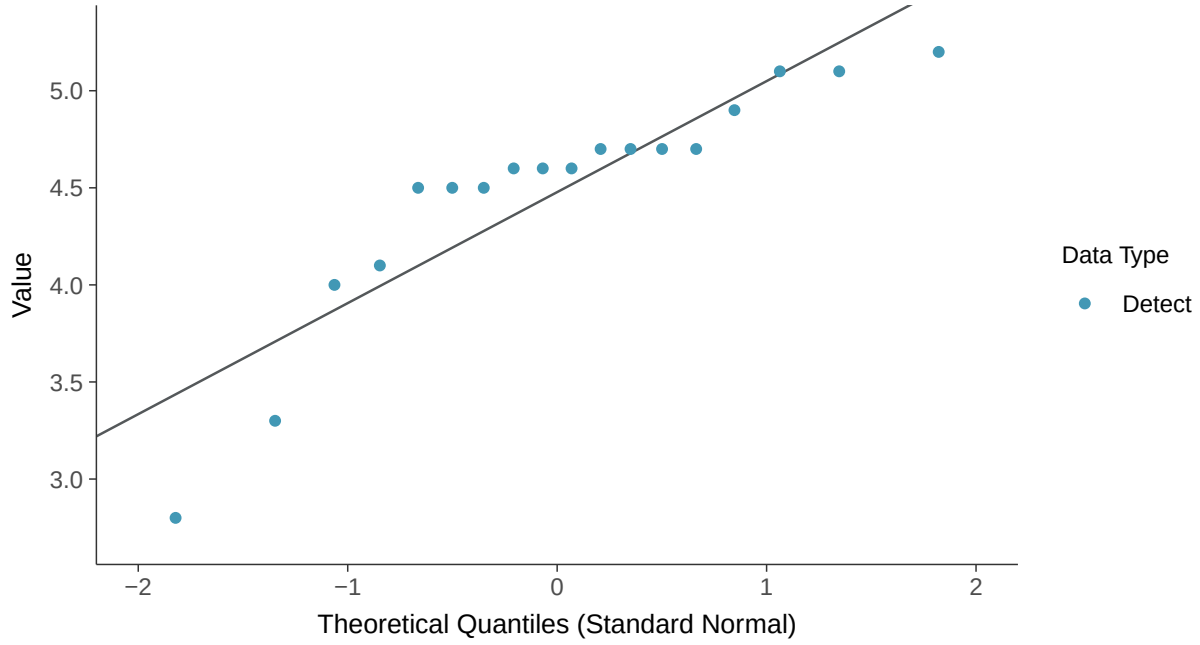
Boxplot by Season

Fluoride (App IV), MW-31 (mg/L)



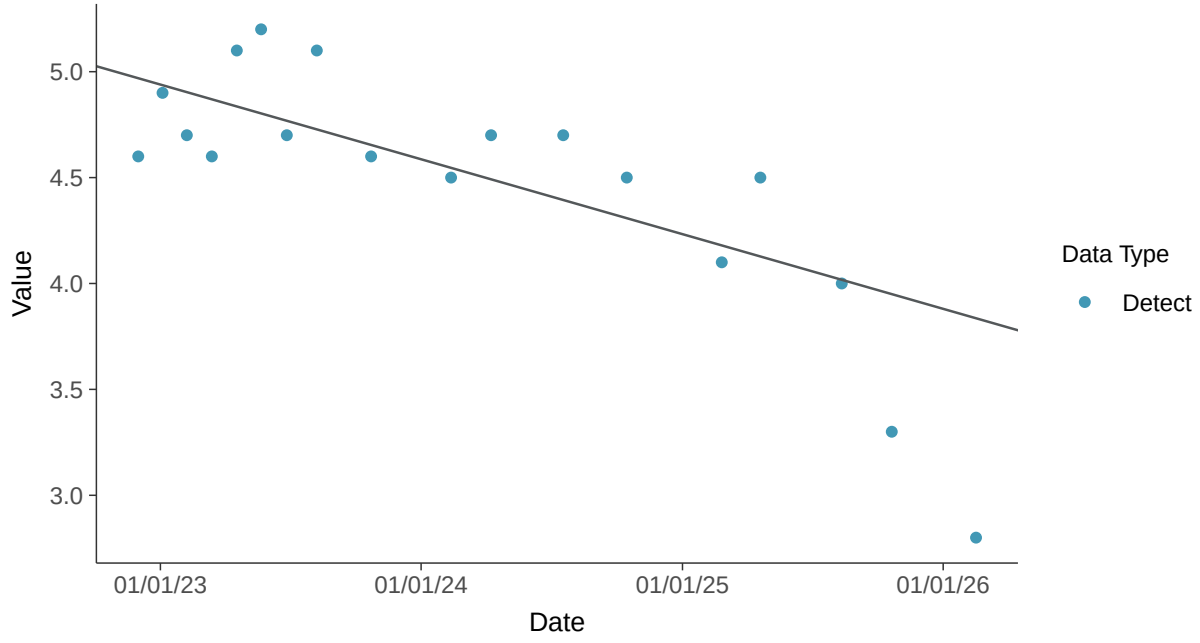
Normal Q-Q plot

Fluoride (App IV), MW-31 (mg/L)



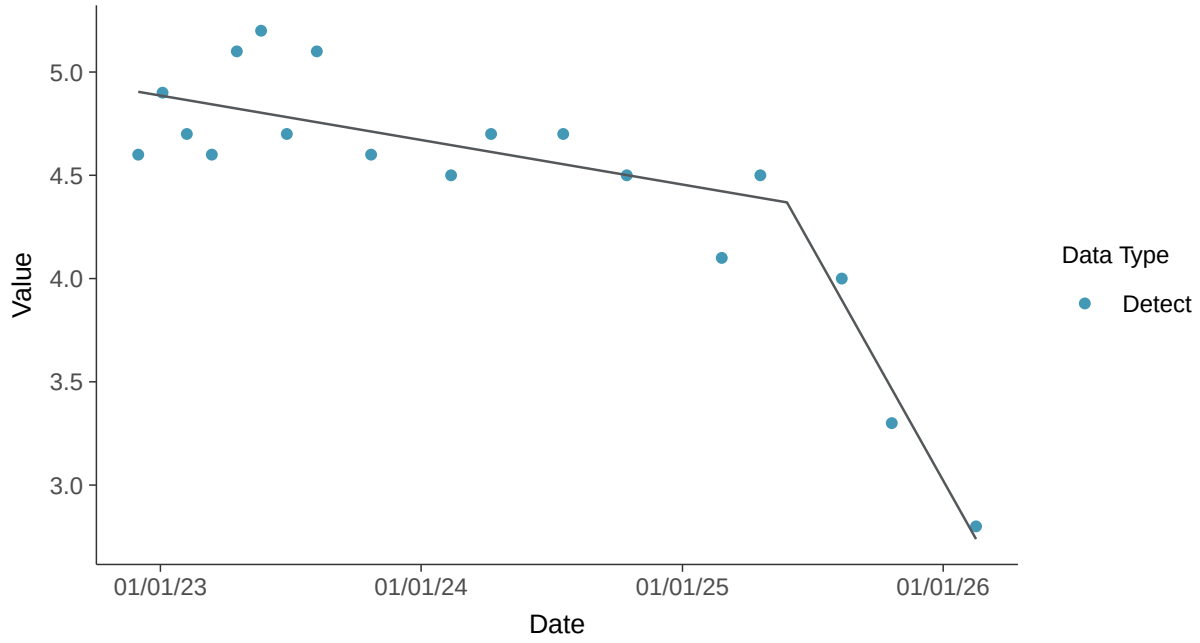
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Fluoride (App IV), MW-31 (mg/L)



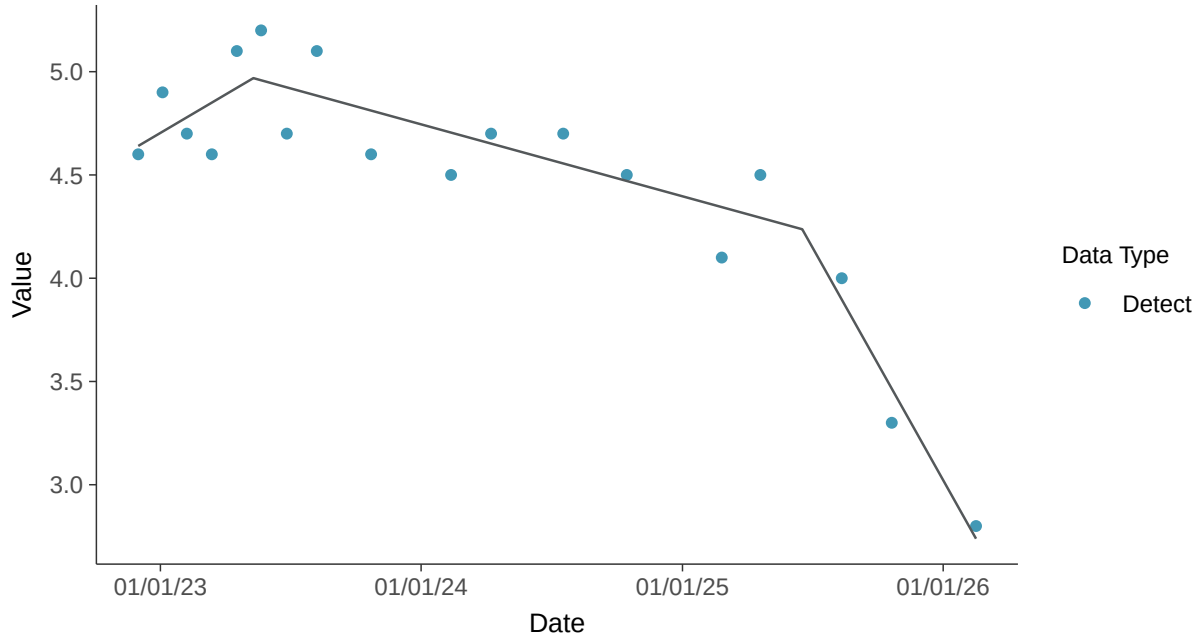
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-31 (mg/L)



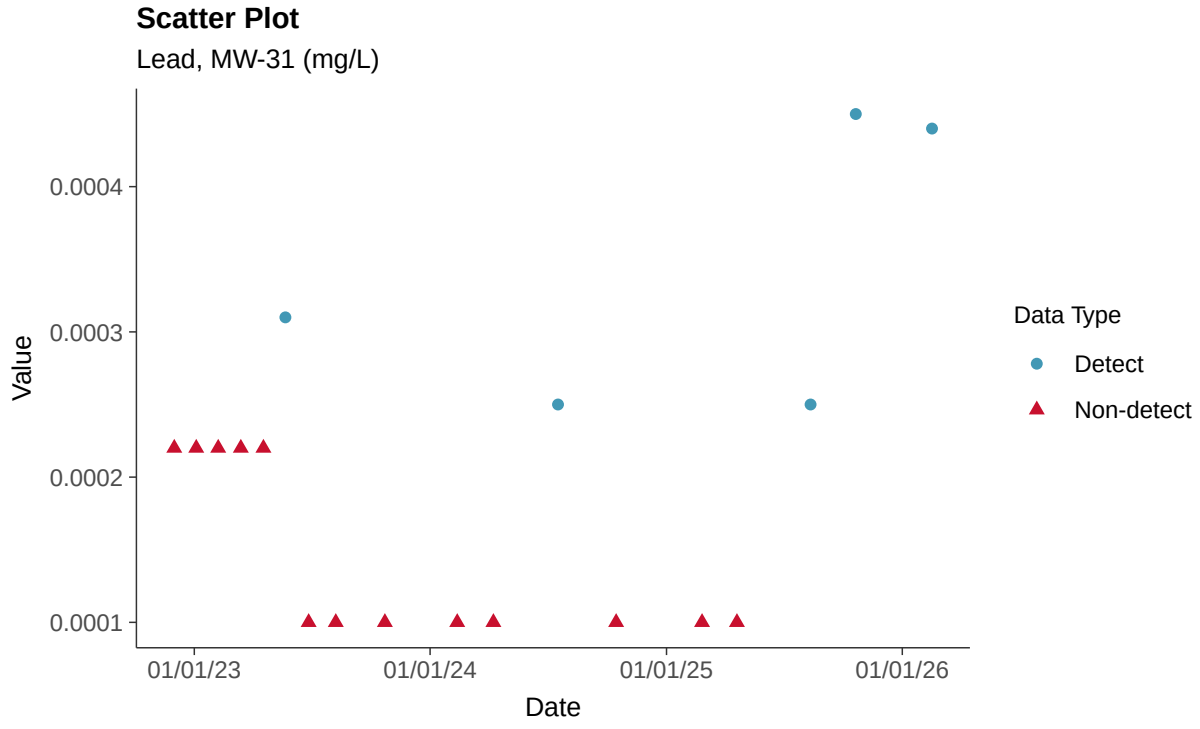
Trend Regression: Piecewise Linear-Linear-Linear

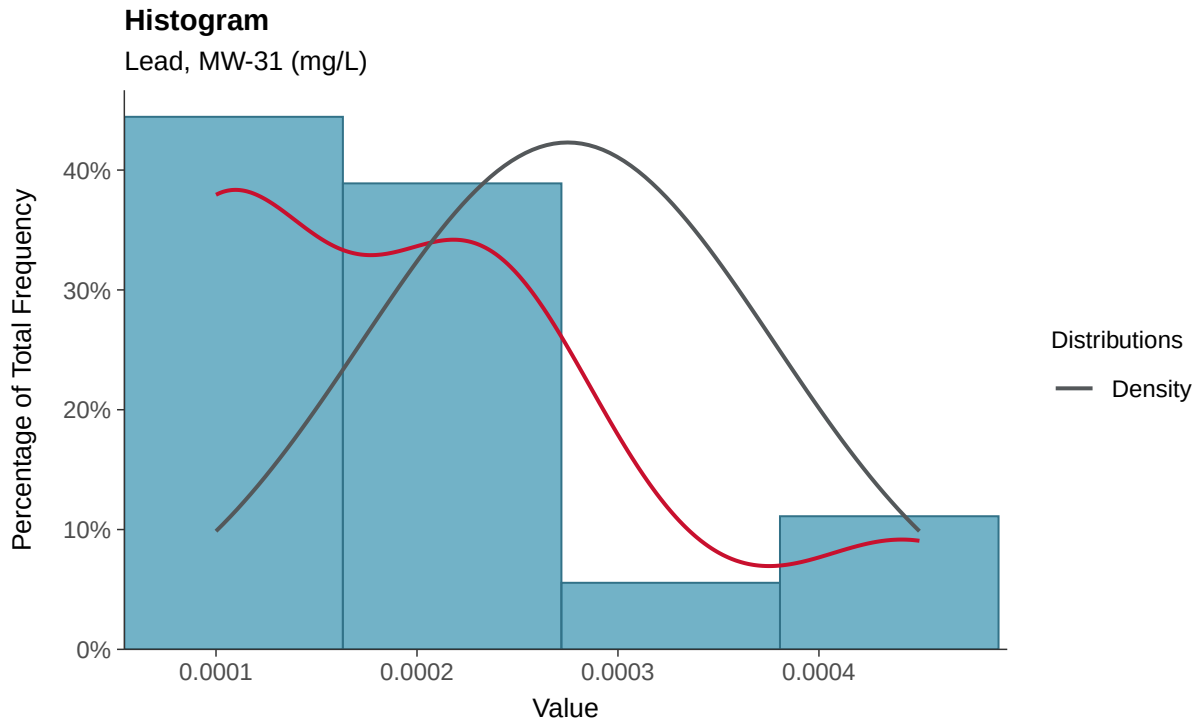
Fluoride (App IV), MW-31 (mg/L)



Appendix IV: Lead, MW-31

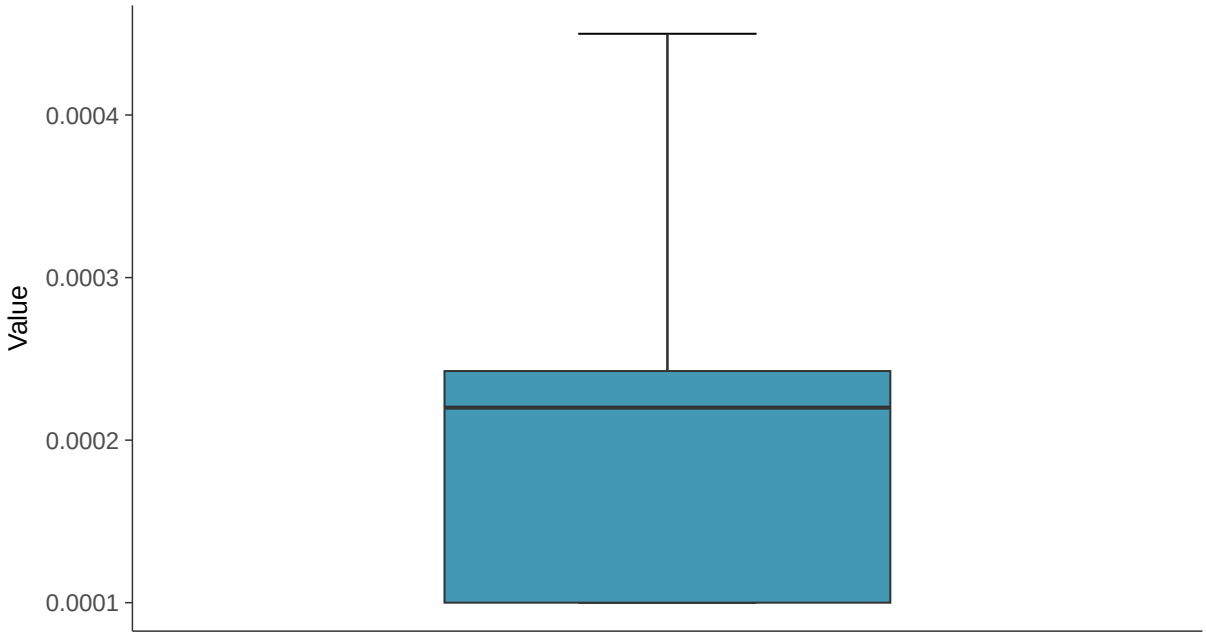
ID: 41_1_4_115





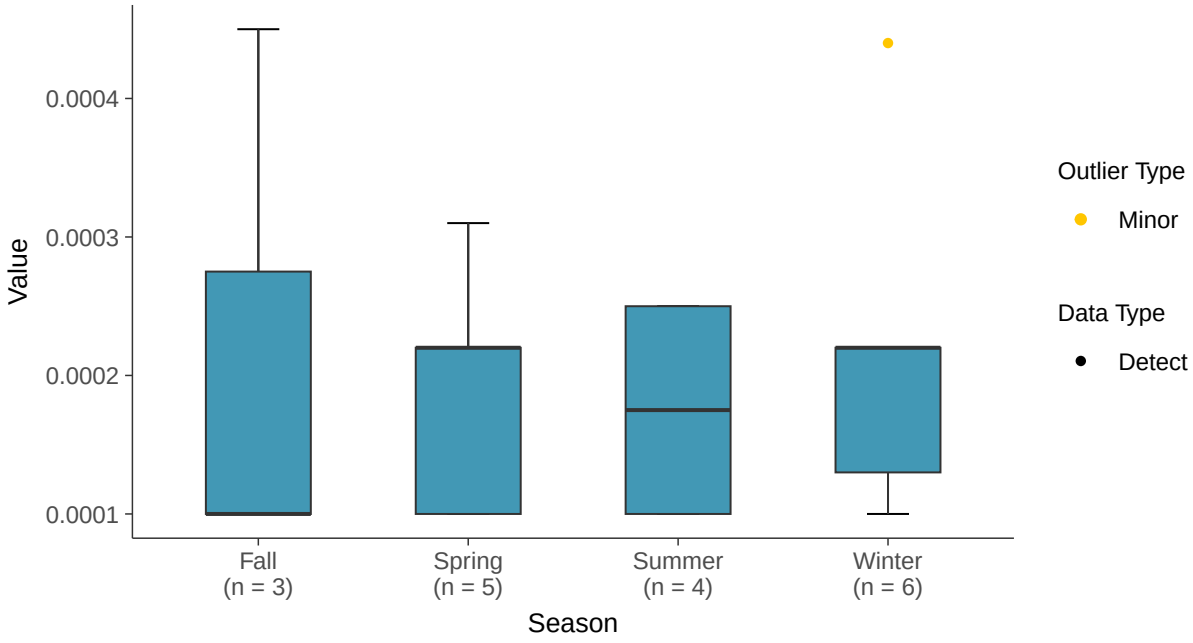
Boxplot

Lead, MW-31 (mg/L)



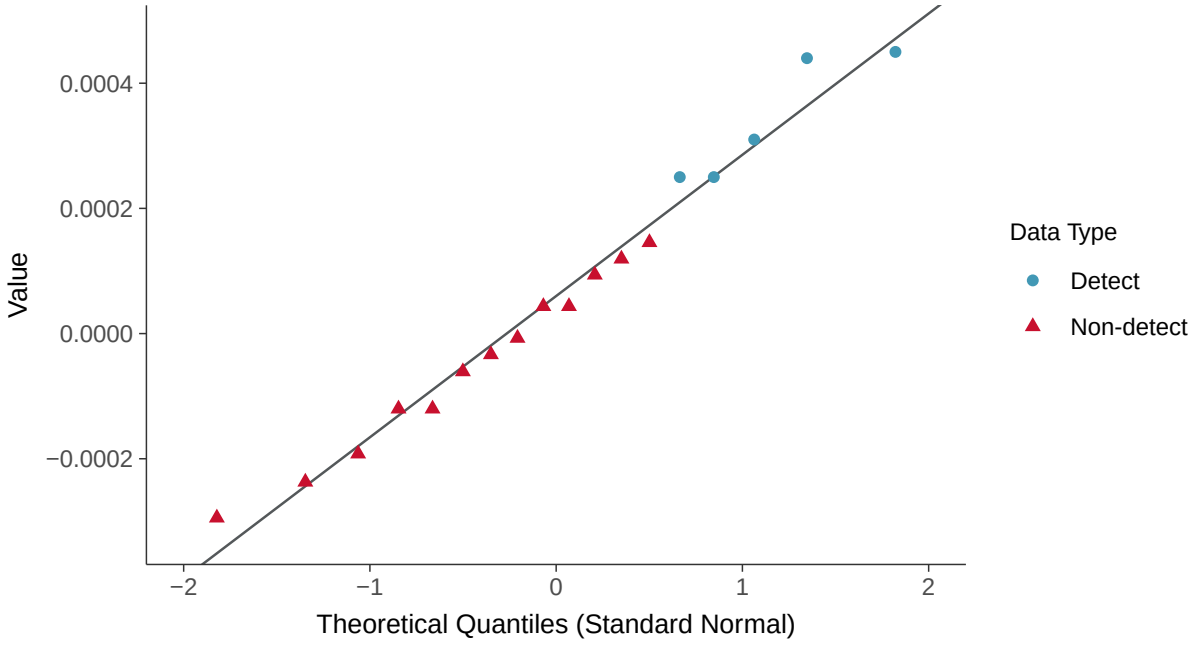
Boxplot by Season

Lead, MW-31 (mg/L)



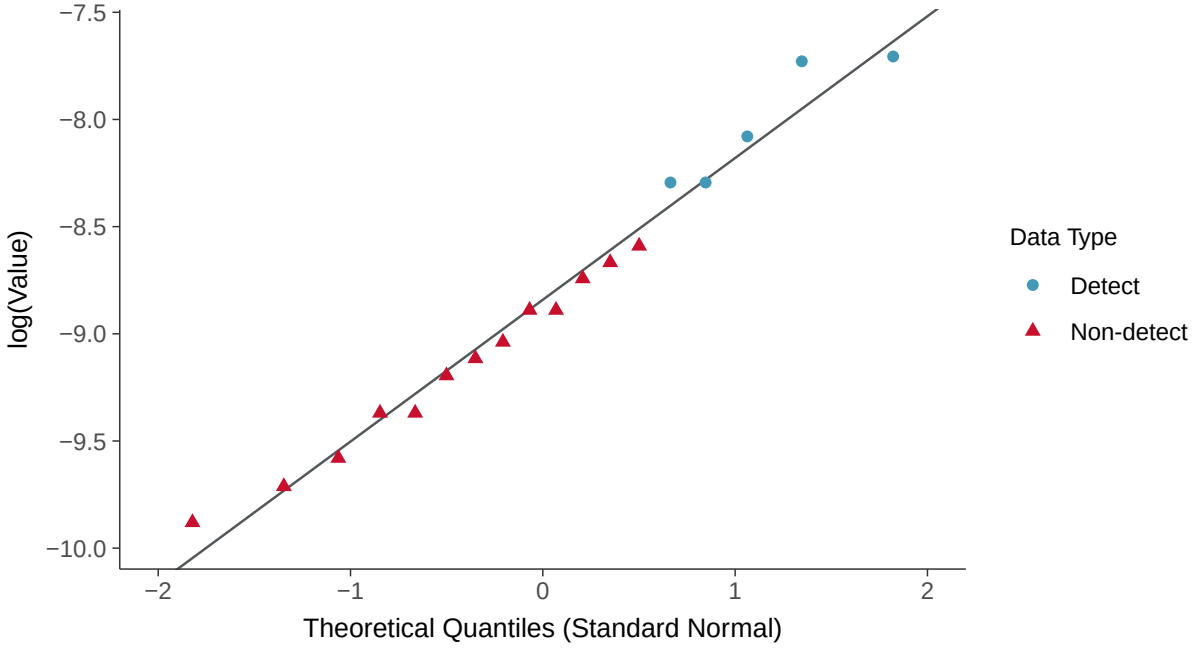
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-31 (mg/L)



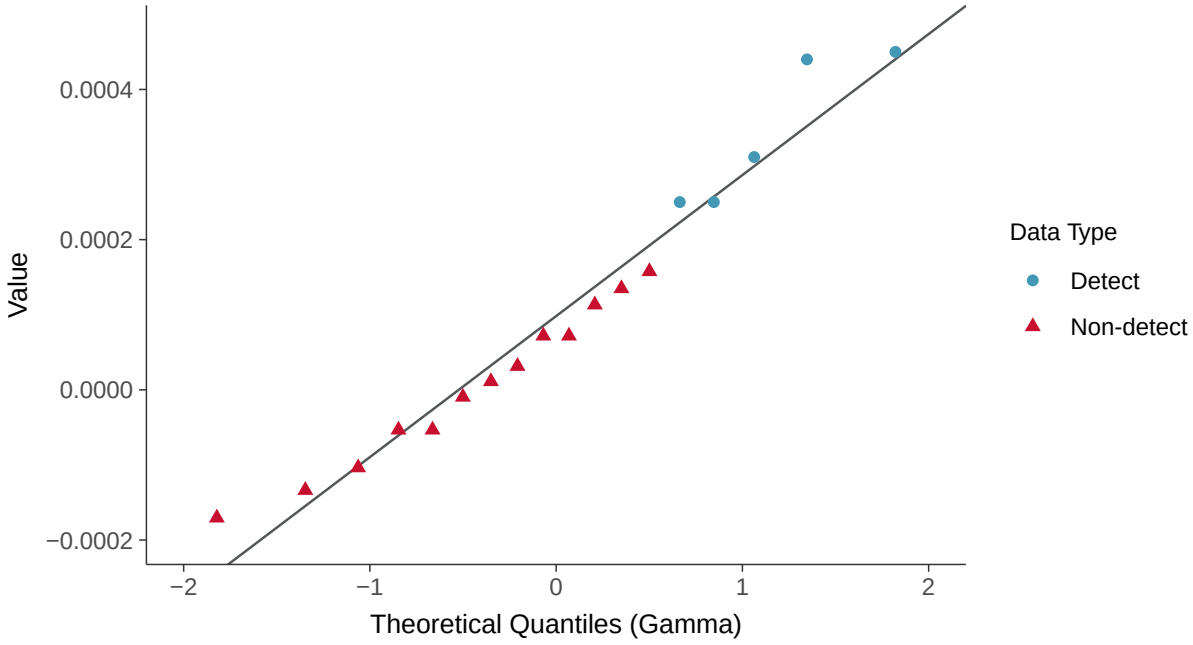
Lognormal Q-Q plot using ROS Imputed Estimates

Lead, MW-31 (mg/L)



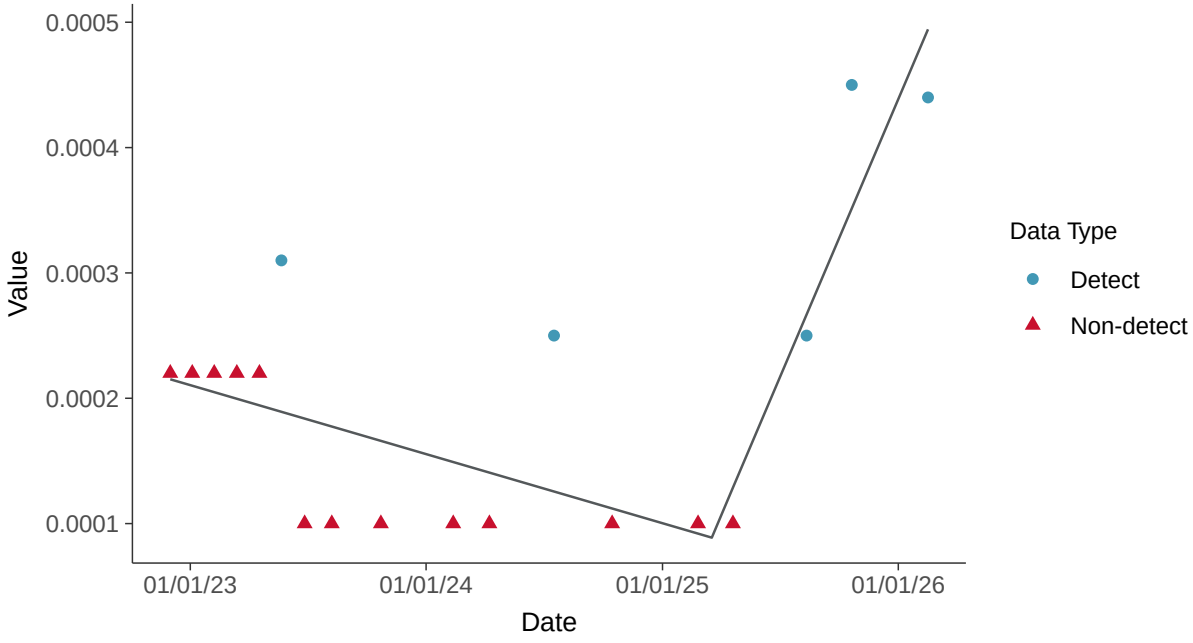
Gamma Q-Q plot using ROS Imputed Estimates

Lead, MW-31 (mg/L)



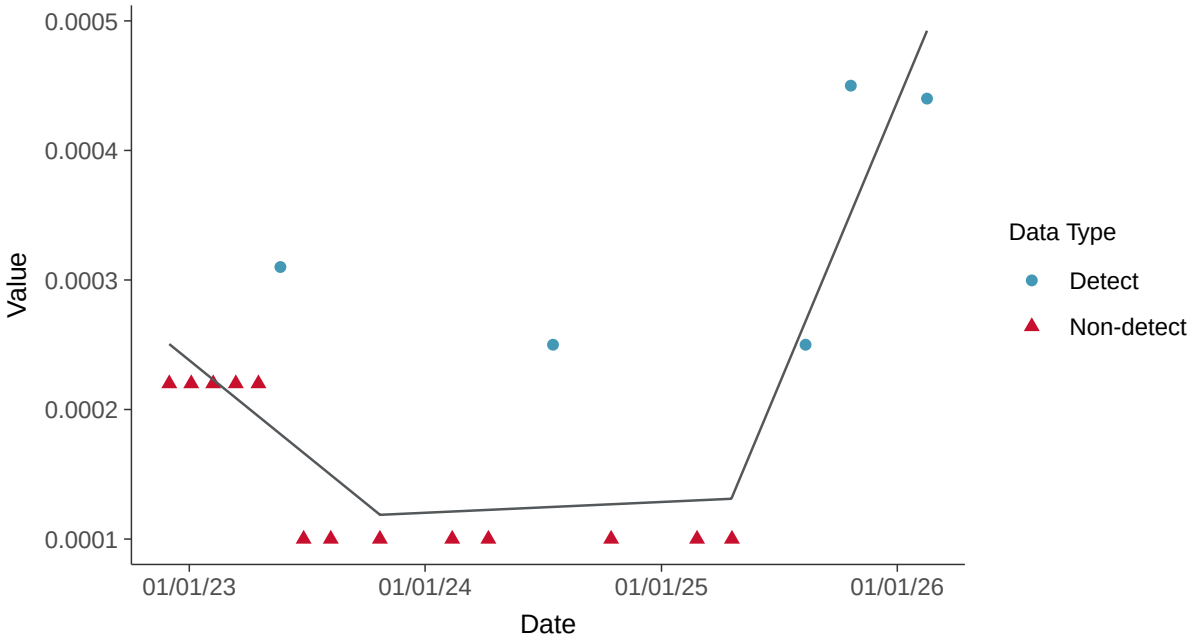
Trend Regression: Piecewise Linear-Linear

Lead, MW-31 (mg/L)



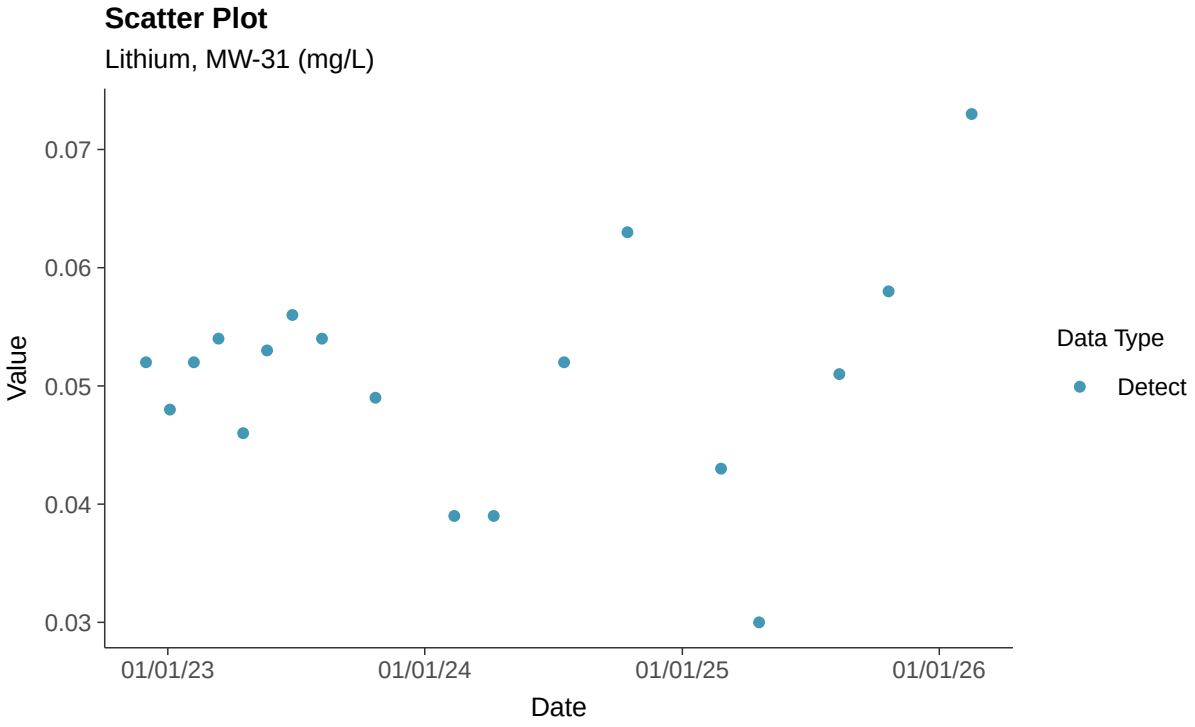
Trend Regression: Piecewise Linear-Linear-Linear

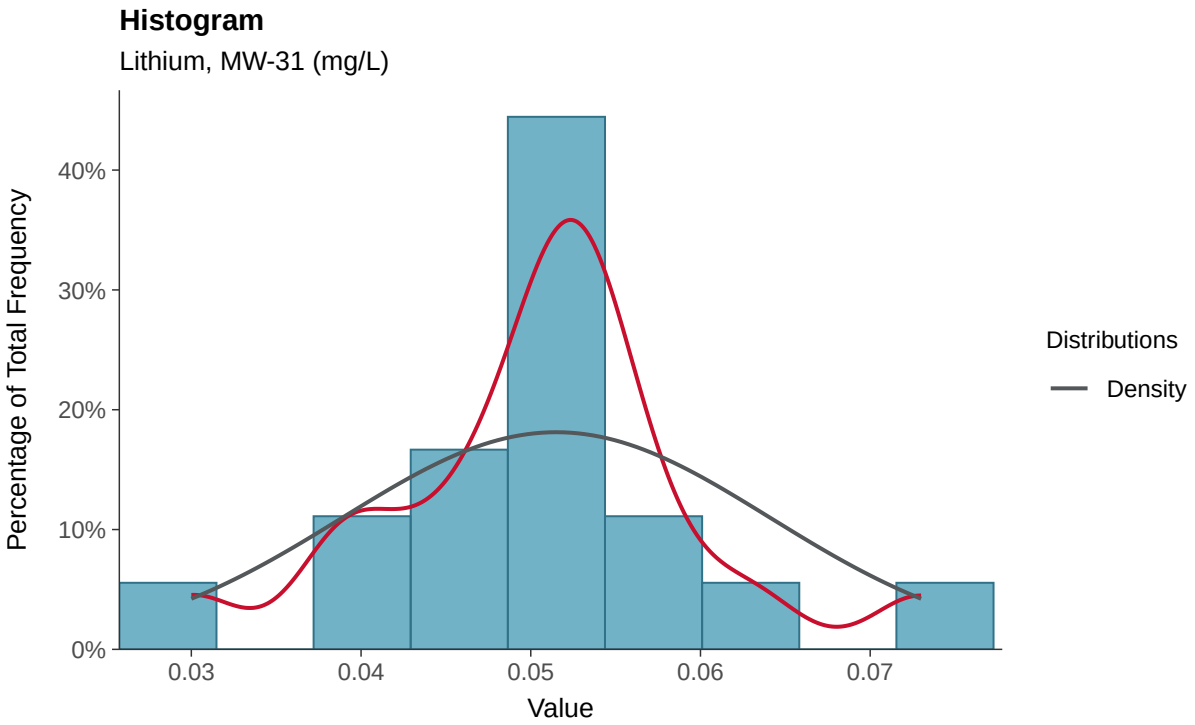
Lead, MW-31 (mg/L)



Appendix IV: Lithium, MW-31

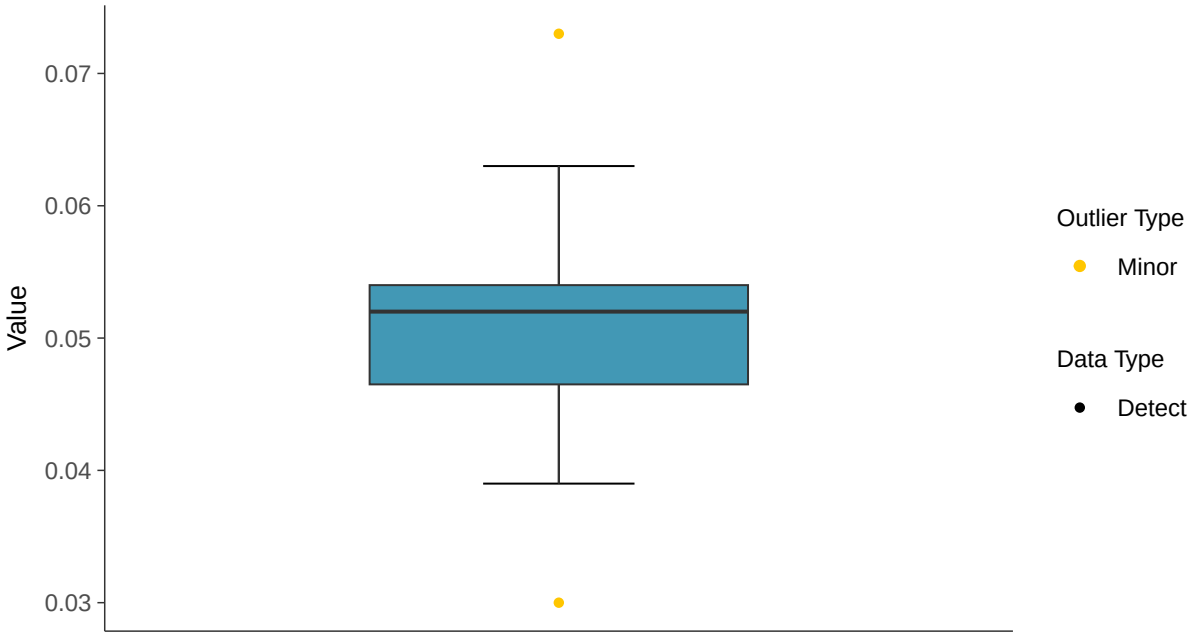
ID: 41_1_4_116





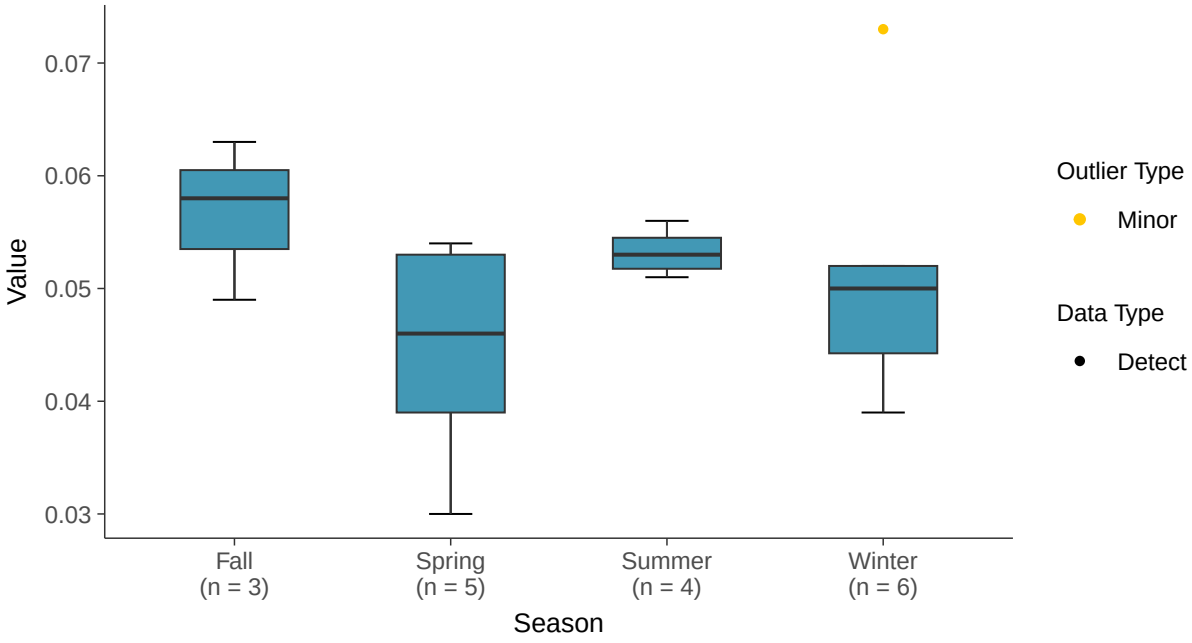
Boxplot

Lithium, MW-31 (mg/L)



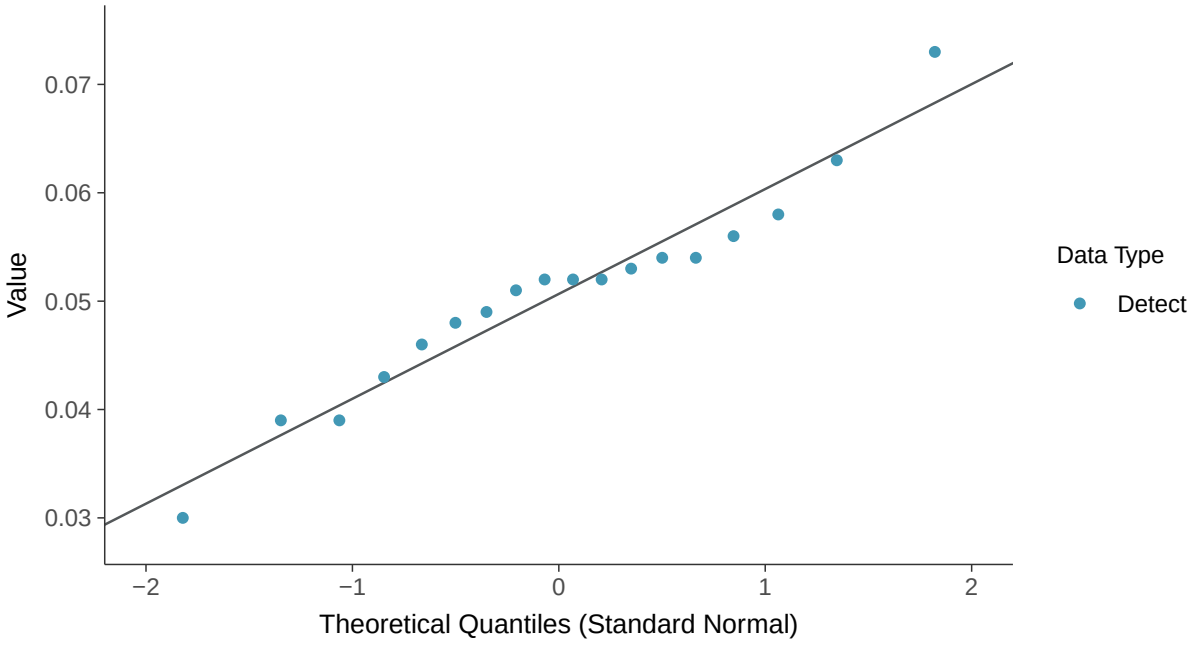
Boxplot by Season

Lithium, MW-31 (mg/L)



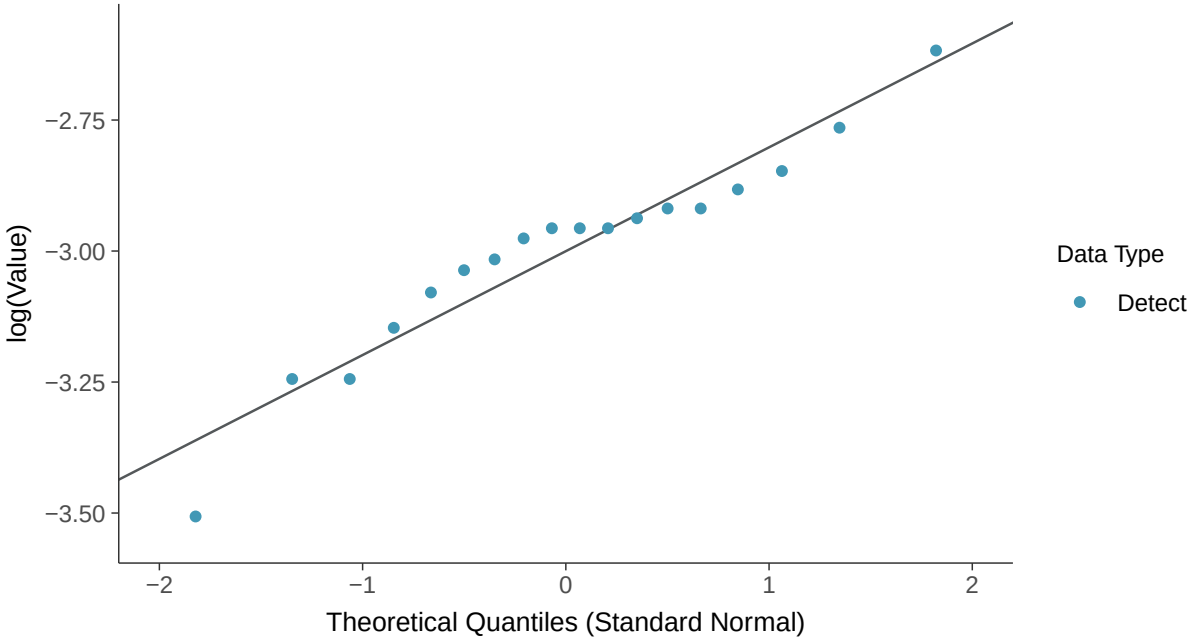
Normal Q-Q plot

Lithium, MW-31 (mg/L)



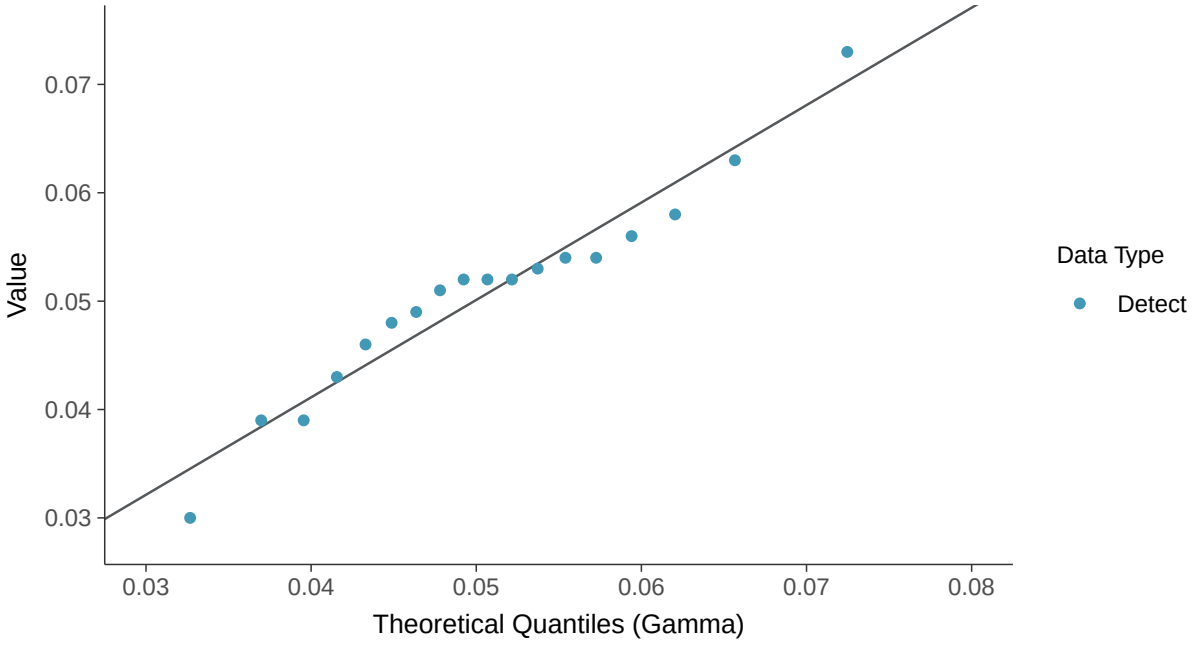
Lognormal Q-Q plot

Lithium, MW-31 (mg/L)



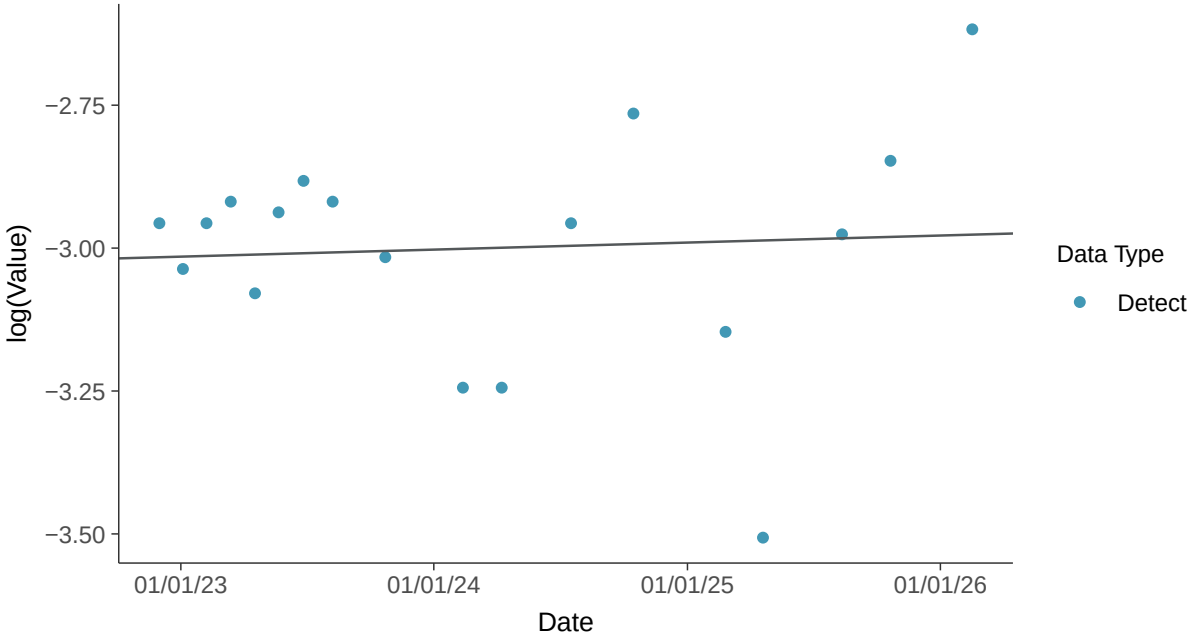
Gamma Q-Q plot

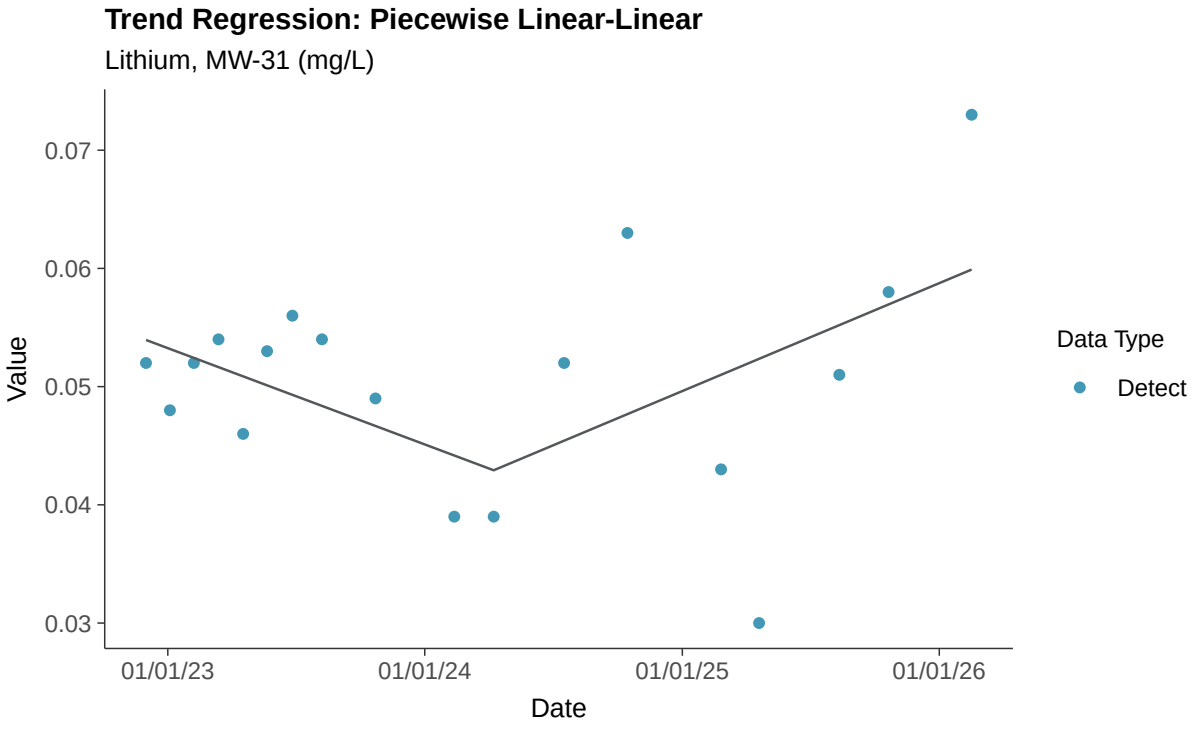
Lithium, MW-31 (mg/L)



Trend Regression: Lognormal MLE

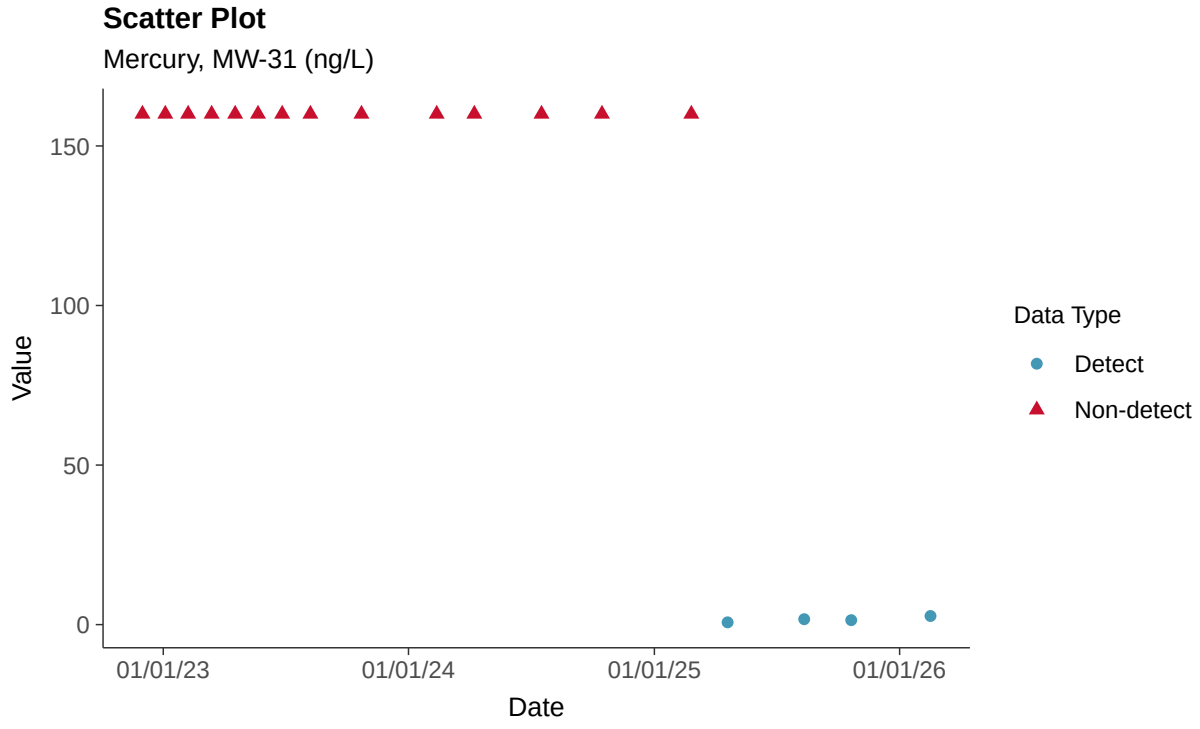
Lithium, MW-31 (mg/L)

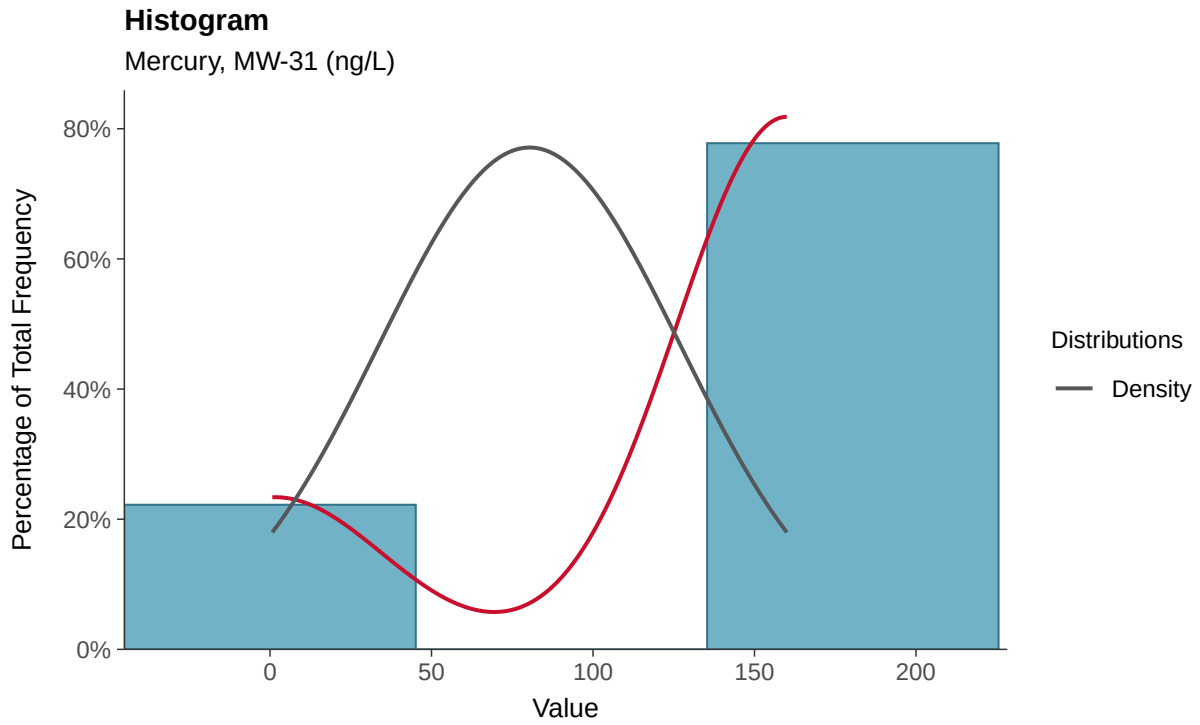



Trend Regression: Piecewise Linear-Linear
Lithium, MW-31 (mg/L)
Value
0.07
0.06
0.05
0.04
0.03
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Mercury, MW-31

ID: 41_1_4_117



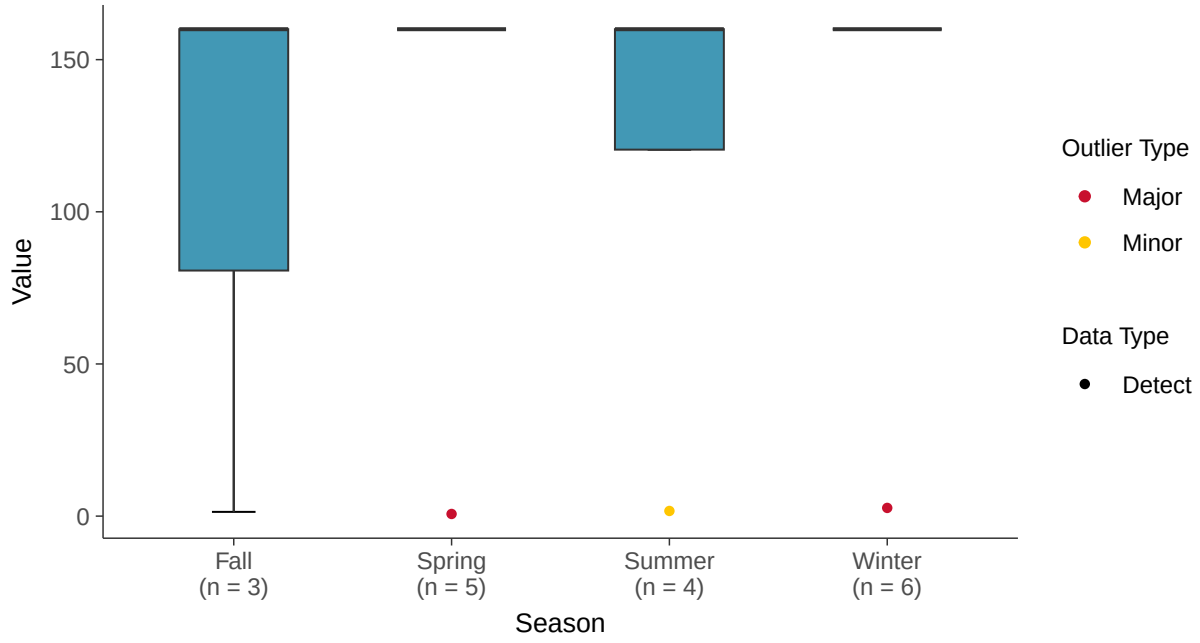


Boxplot

Mercury, MW-31 (ng/L)

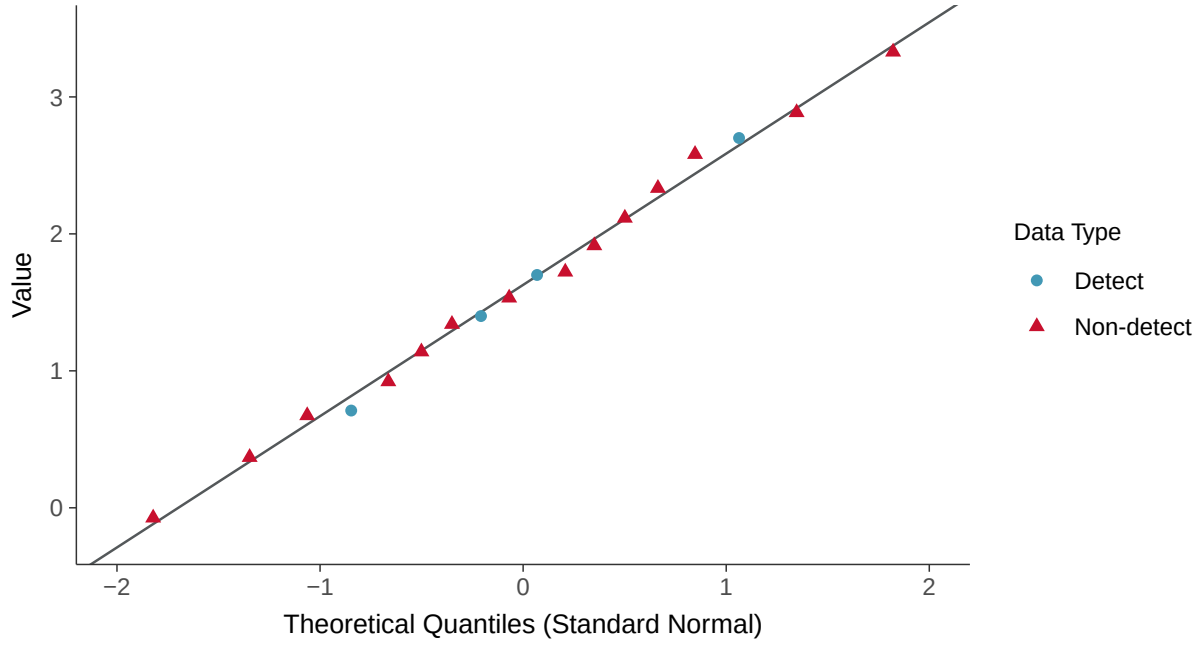
Boxplot by Season

Mercury, MW-31 (ng/L)



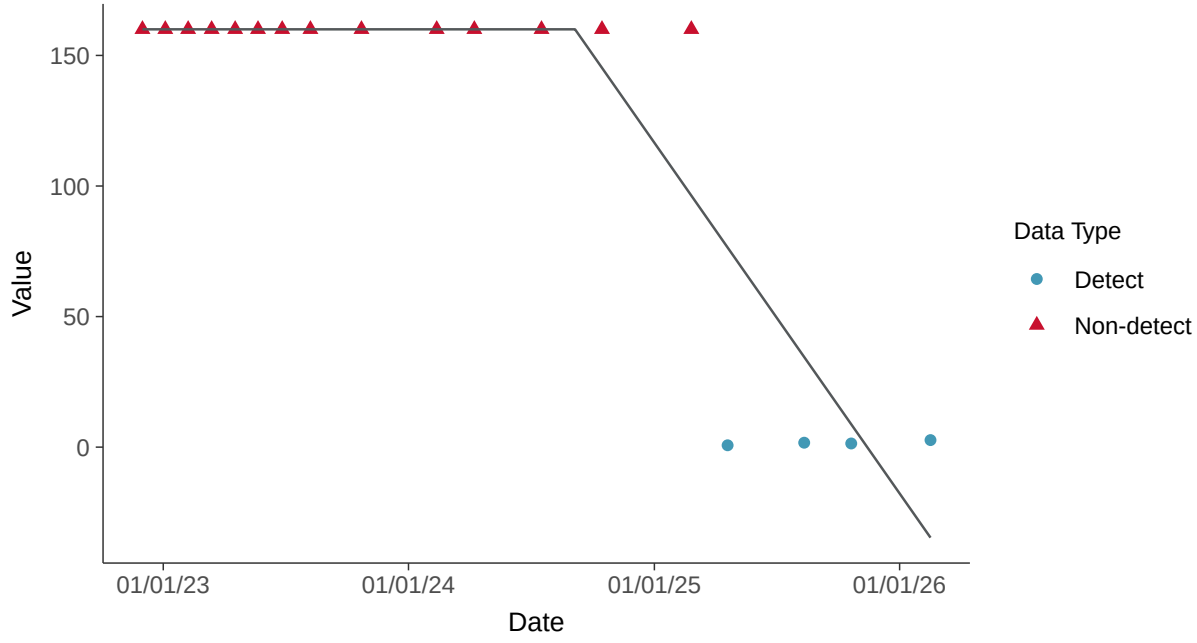
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-31 (ng/L)



Trend Regression: Piecewise Linear-Linear

Mercury, MW-31 (ng/L)

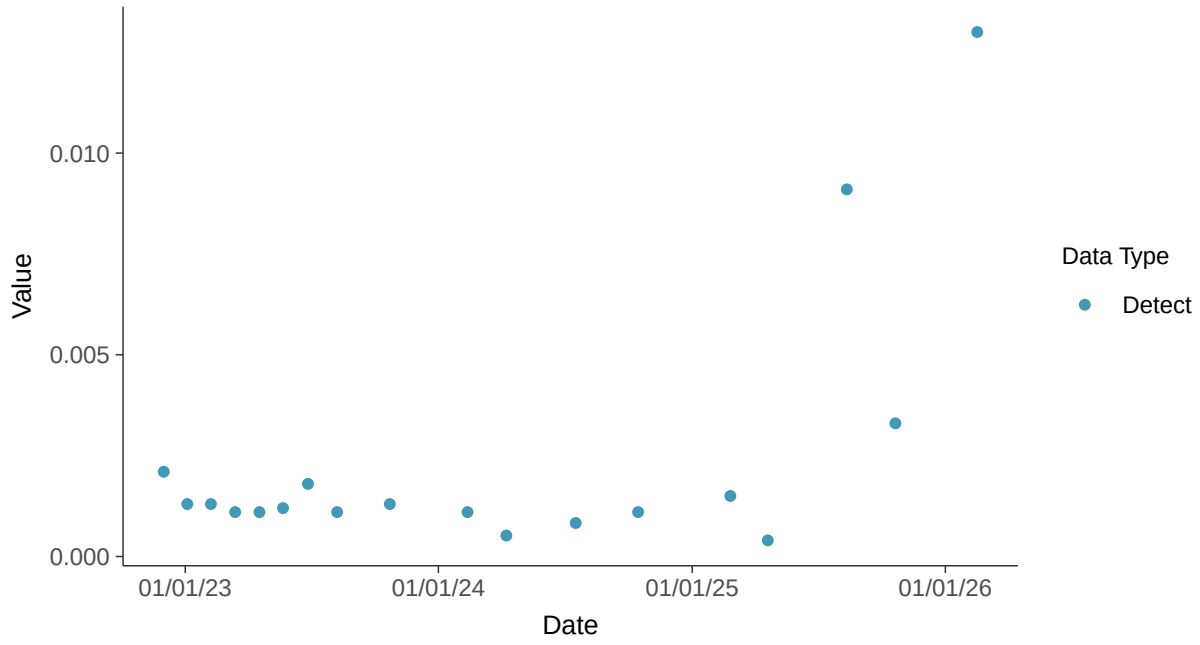


Appendix IV: Molybdenum, MW-31

ID: 41_1_4_118

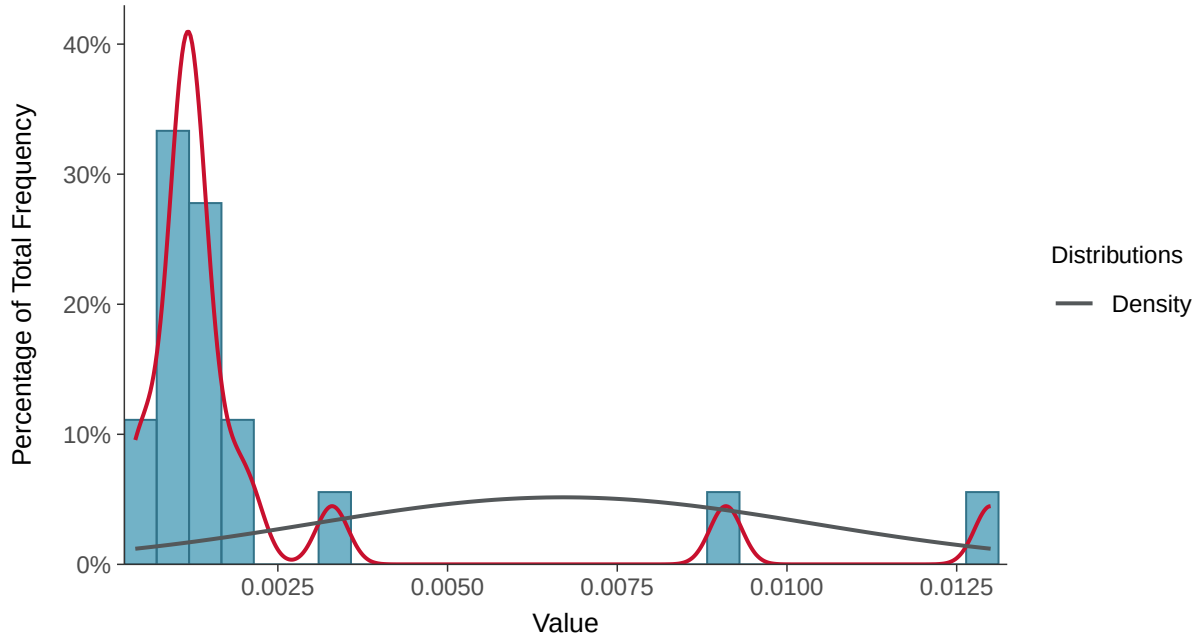
Scatter Plot

Molybdenum, MW-31 (mg/L)



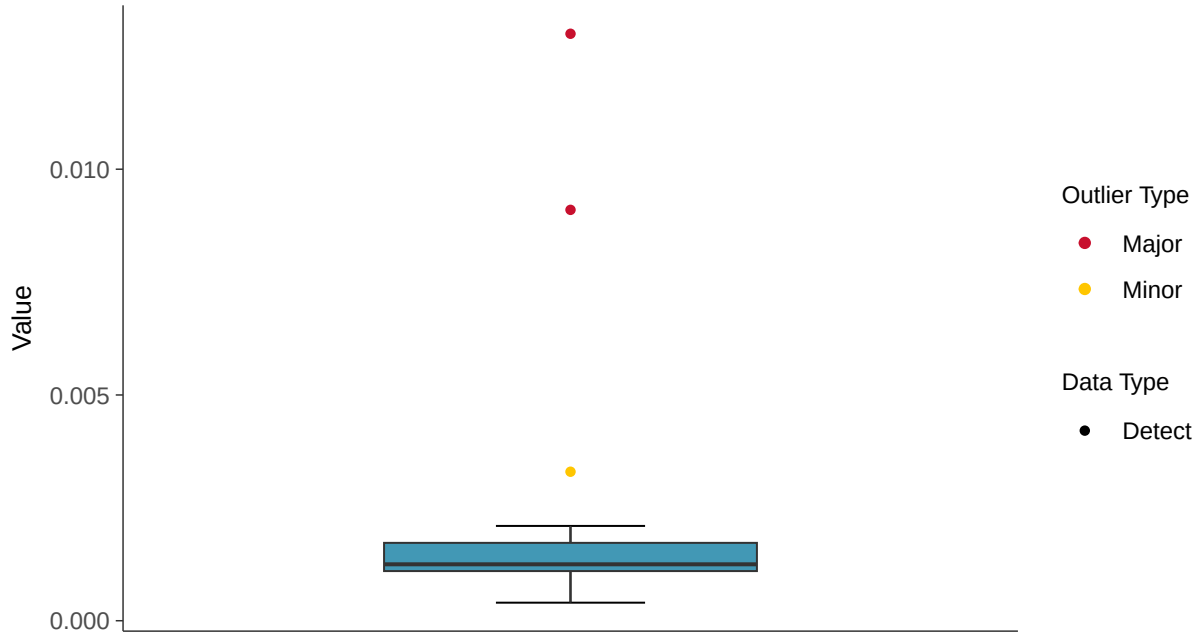
Histogram

Molybdenum, MW-31 (mg/L)



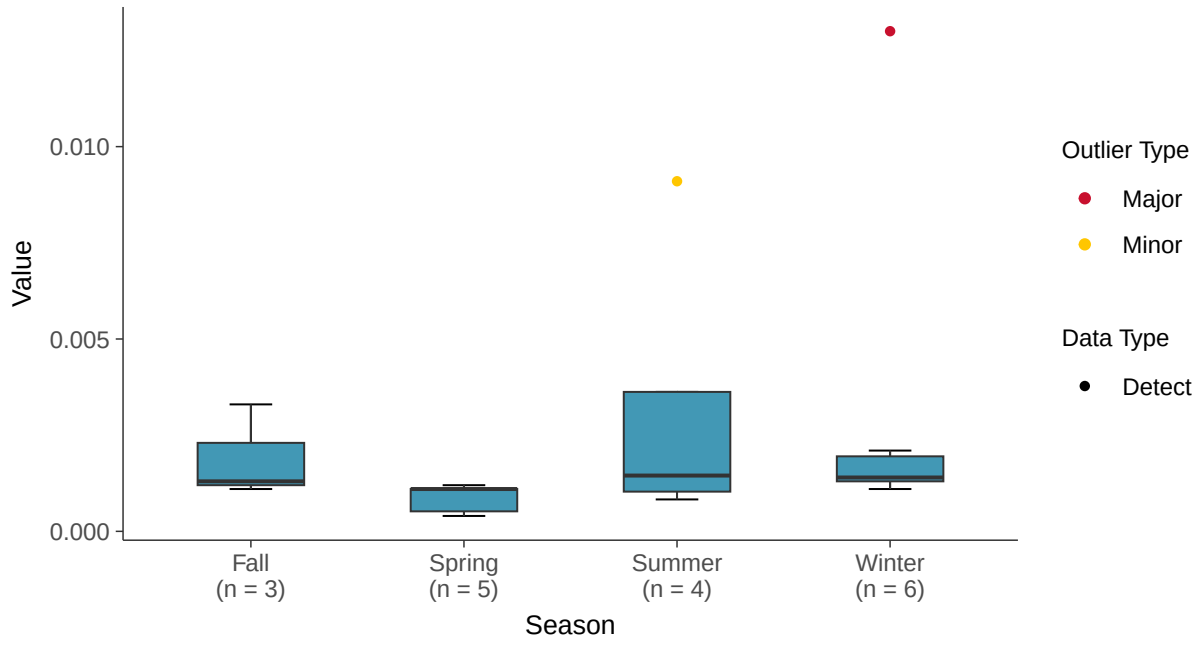
Boxplot

Molybdenum, MW-31 (mg/L)



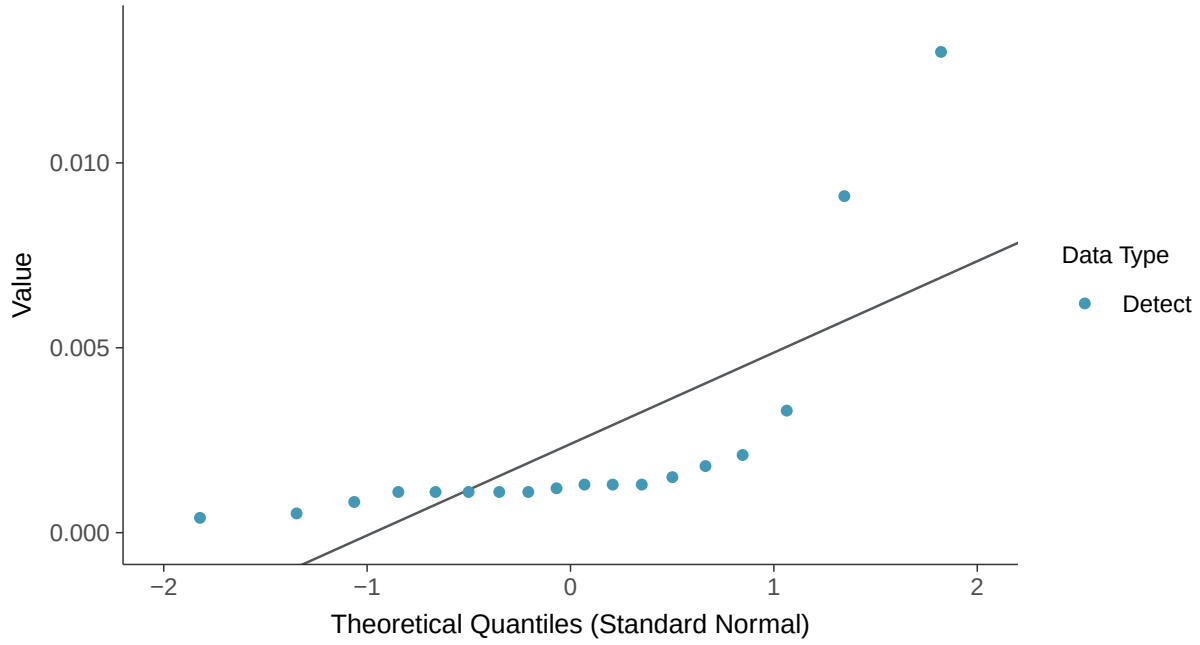
Boxplot by Season

Molybdenum, MW-31 (mg/L)



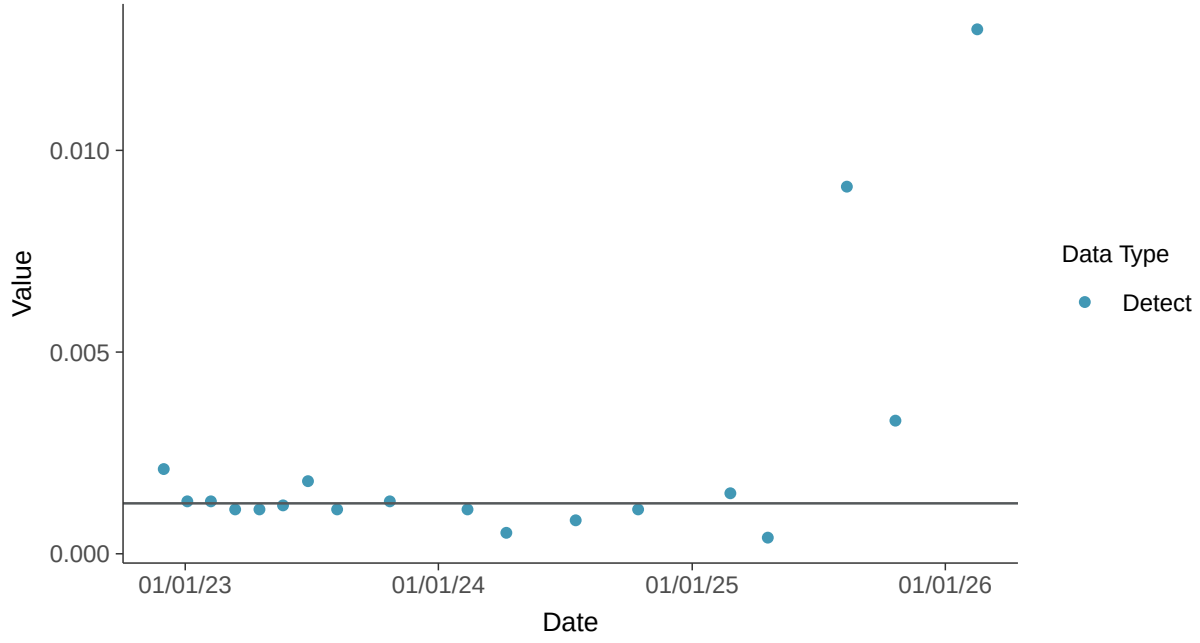
Normal Q-Q plot

Molybdenum, MW-31 (mg/L)



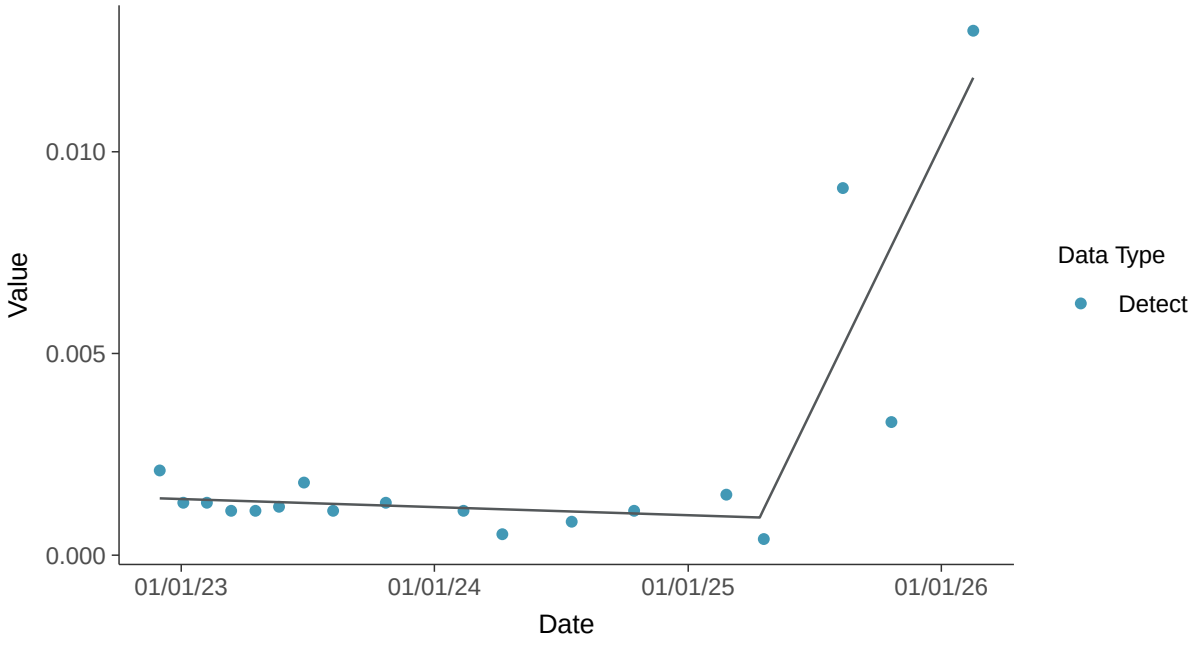
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Molybdenum, MW-31 (mg/L)



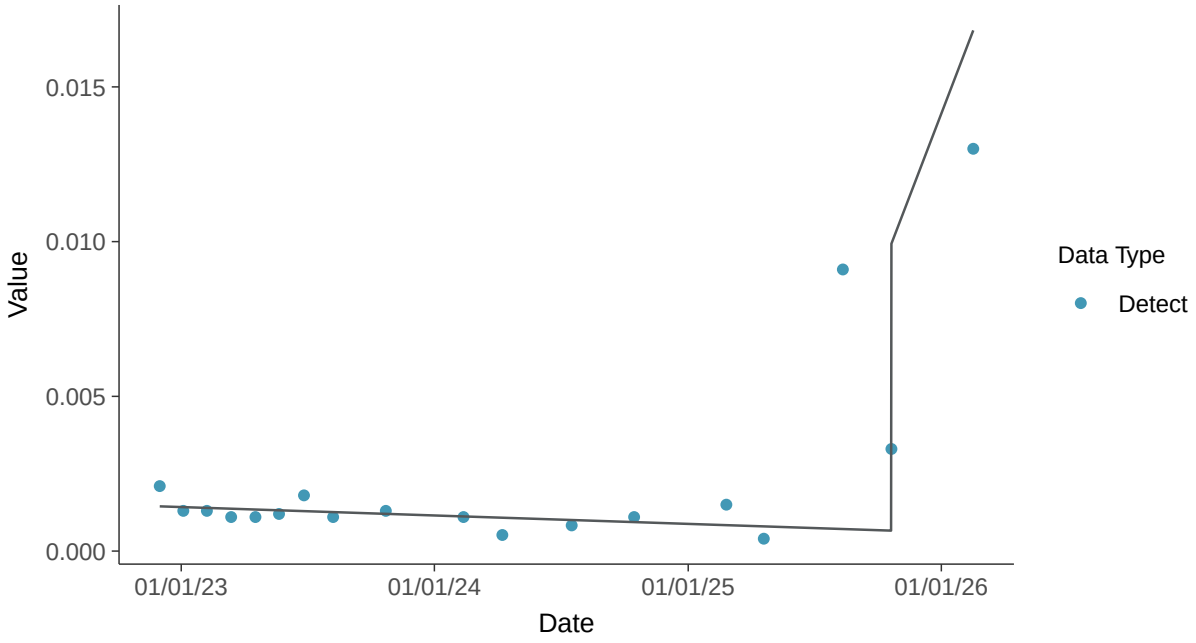
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-31 (mg/L)



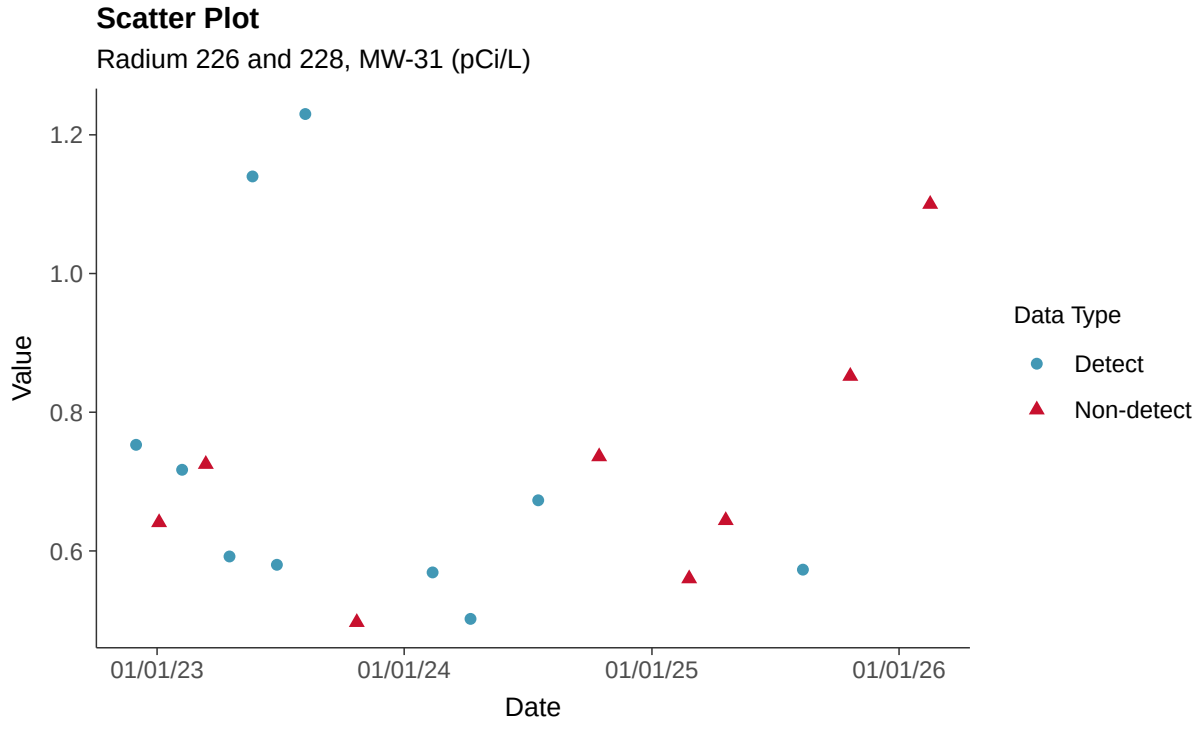
Trend Regression: Piecewise Linear-Linear-Linear

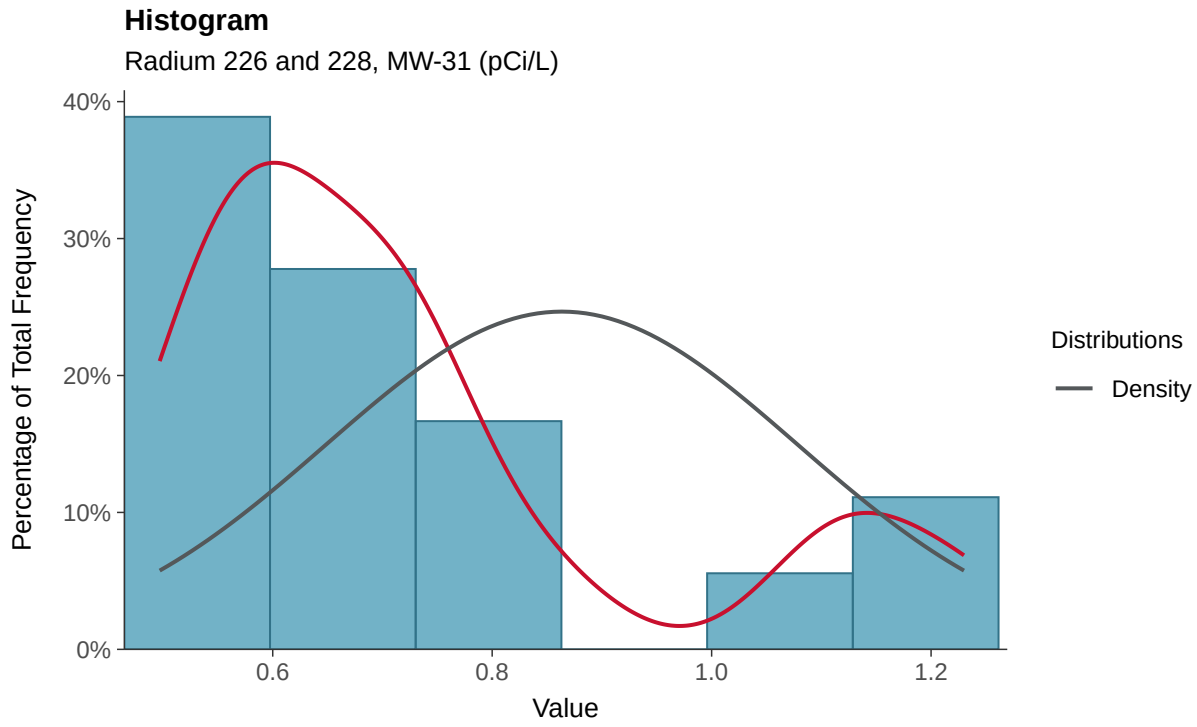
Molybdenum, MW-31 (mg/L)



Appendix IV: Radium 226 and 228, MW-31

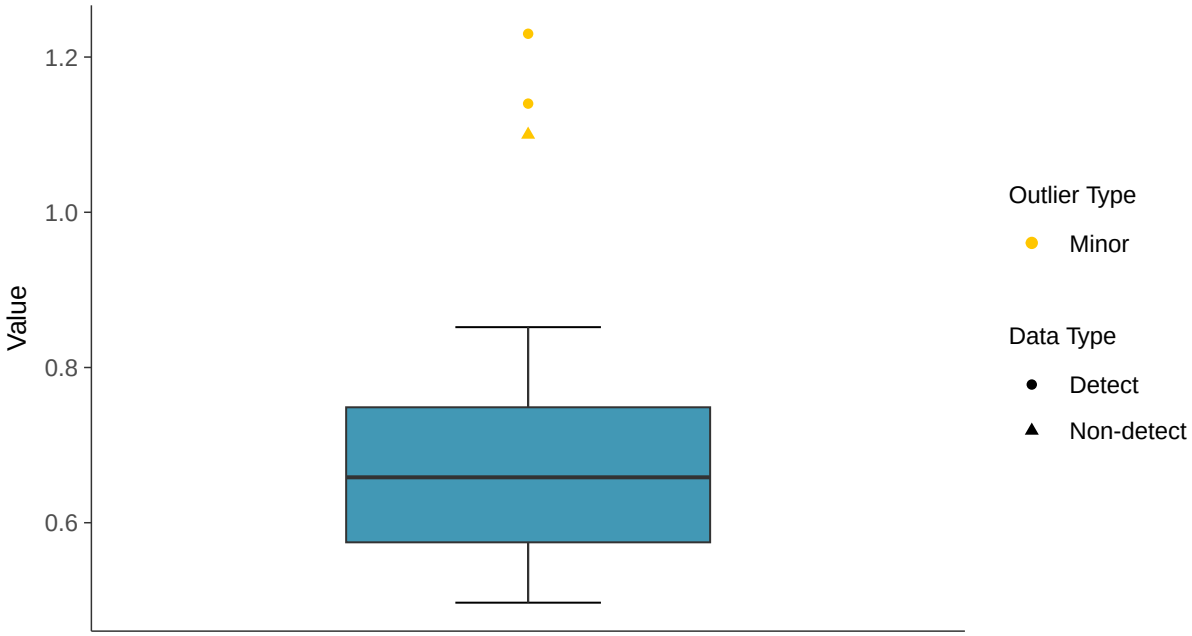
ID: 41_1_4_121





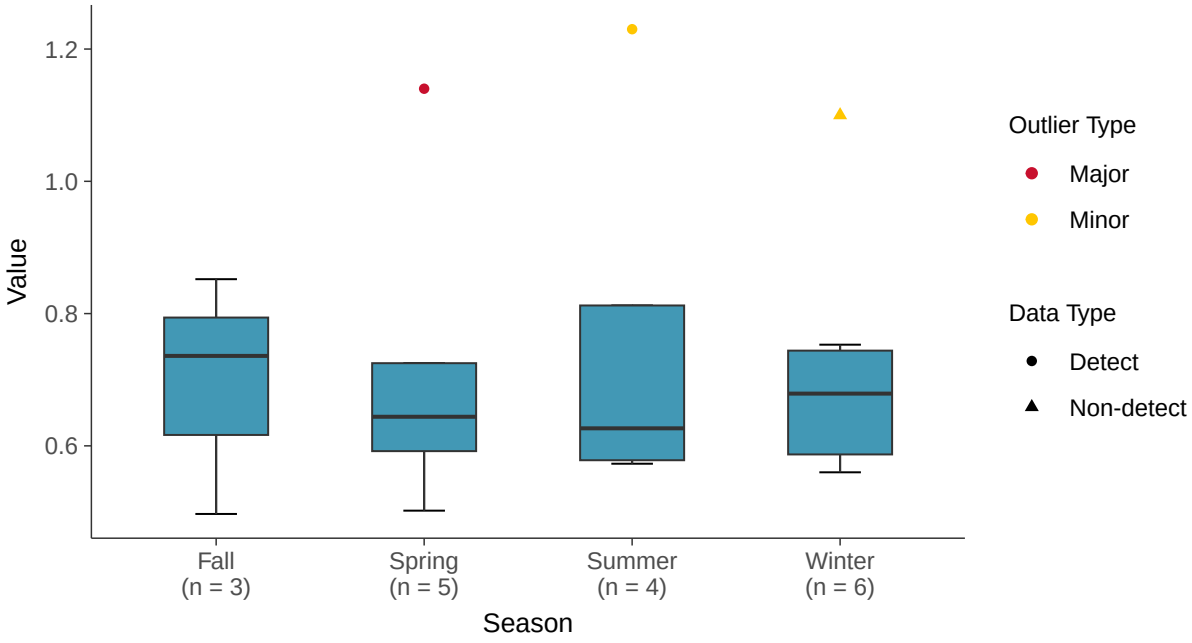
Boxplot

Radium 226 and 228, MW-31 (pCi/L)



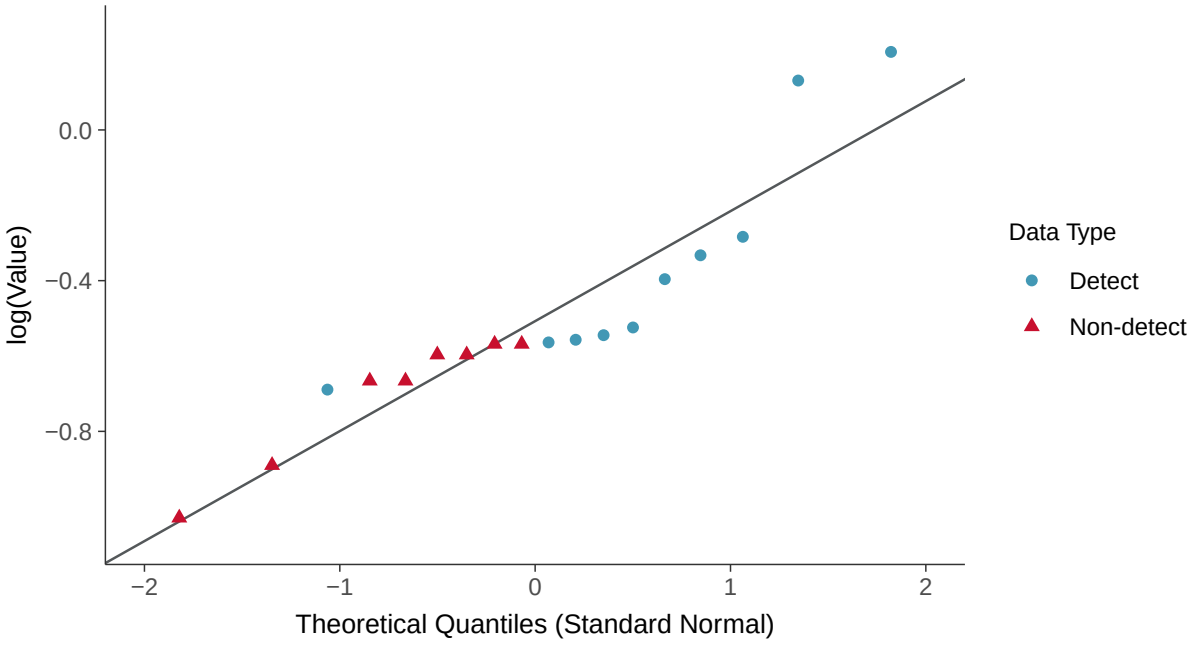
Boxplot by Season

Radium 226 and 228, MW-31 (pCi/L)



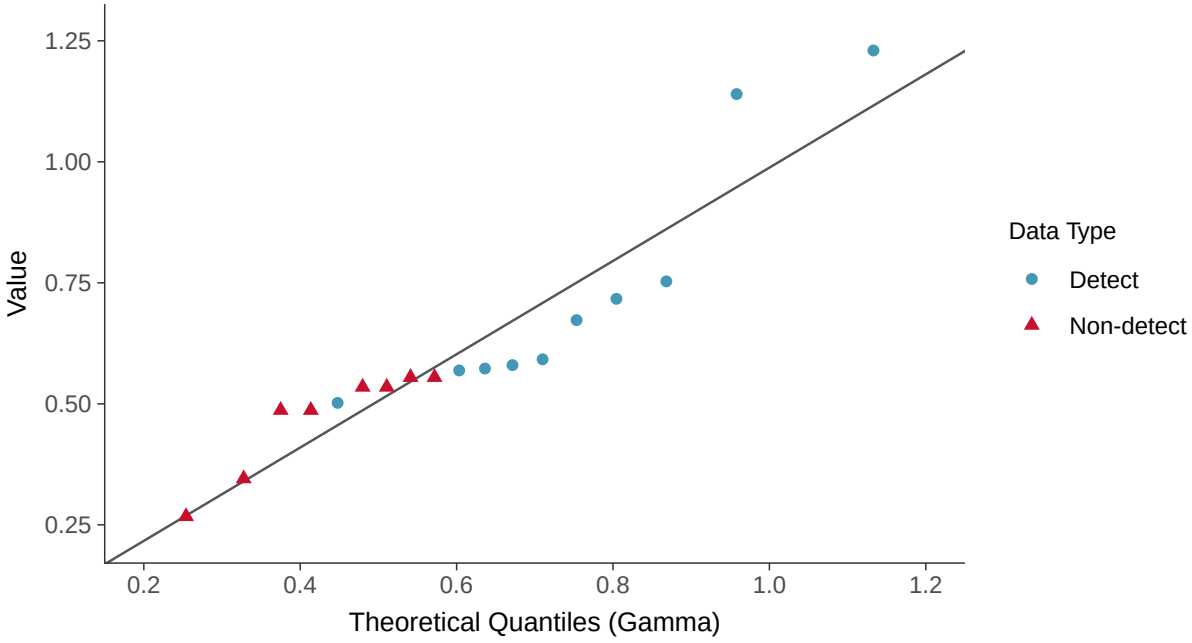
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-31 (pCi/L)



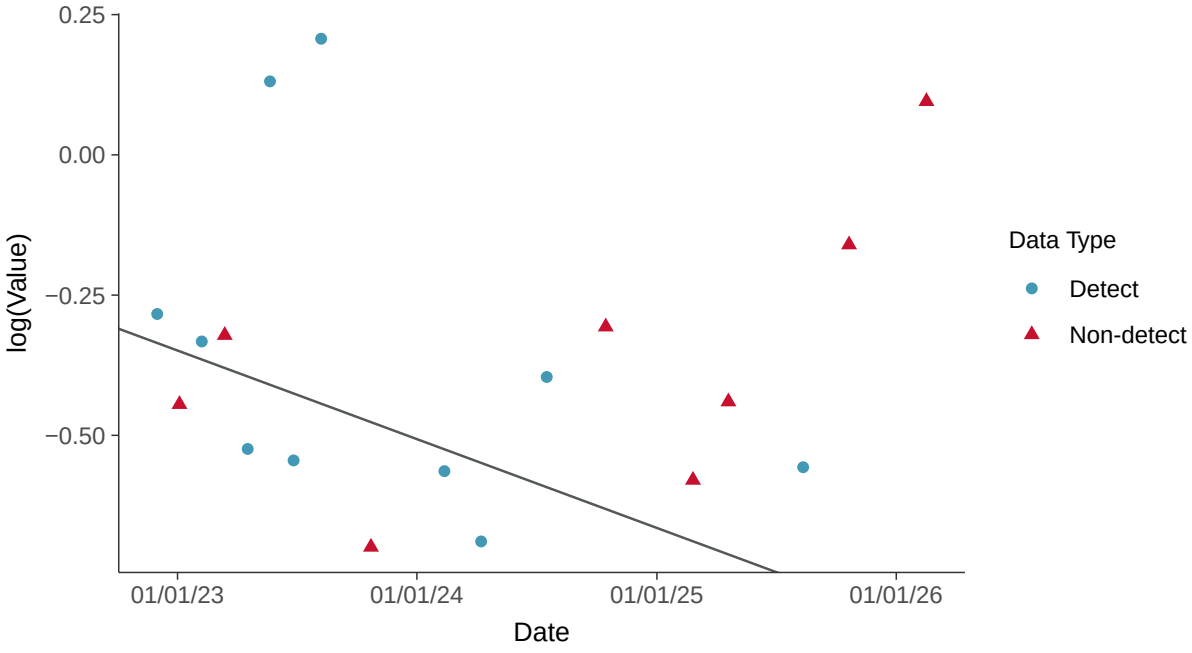
Gamma Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-31 (pCi/L)



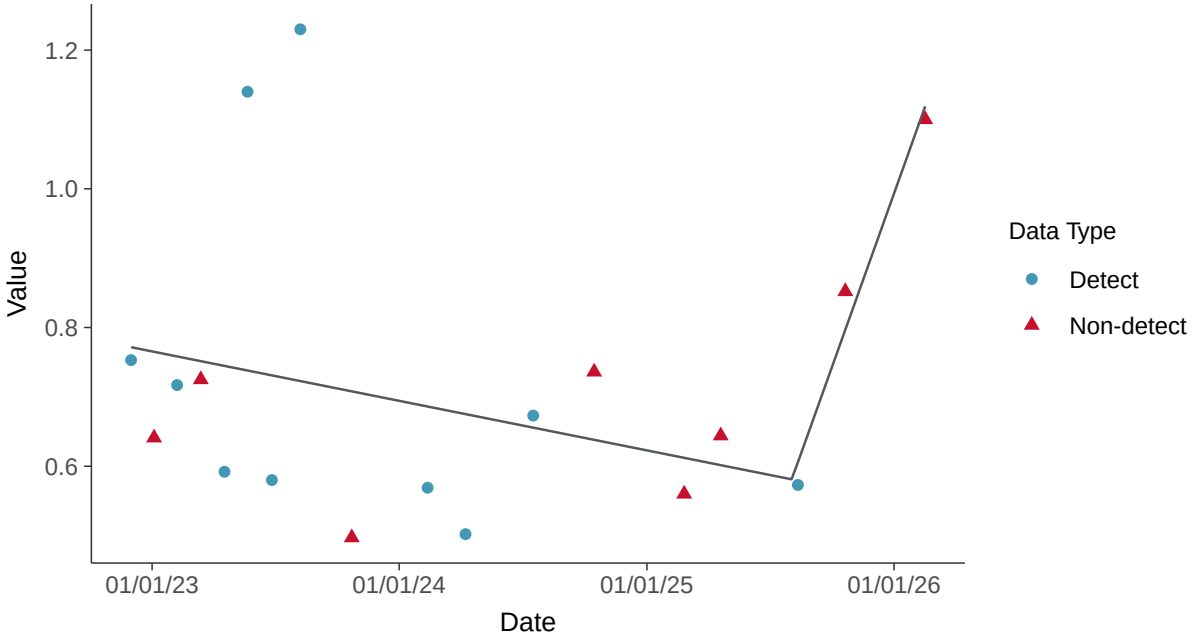
Trend Regression: Lognormal MLE

Radium 226 and 228, MW-31 (pCi/L)



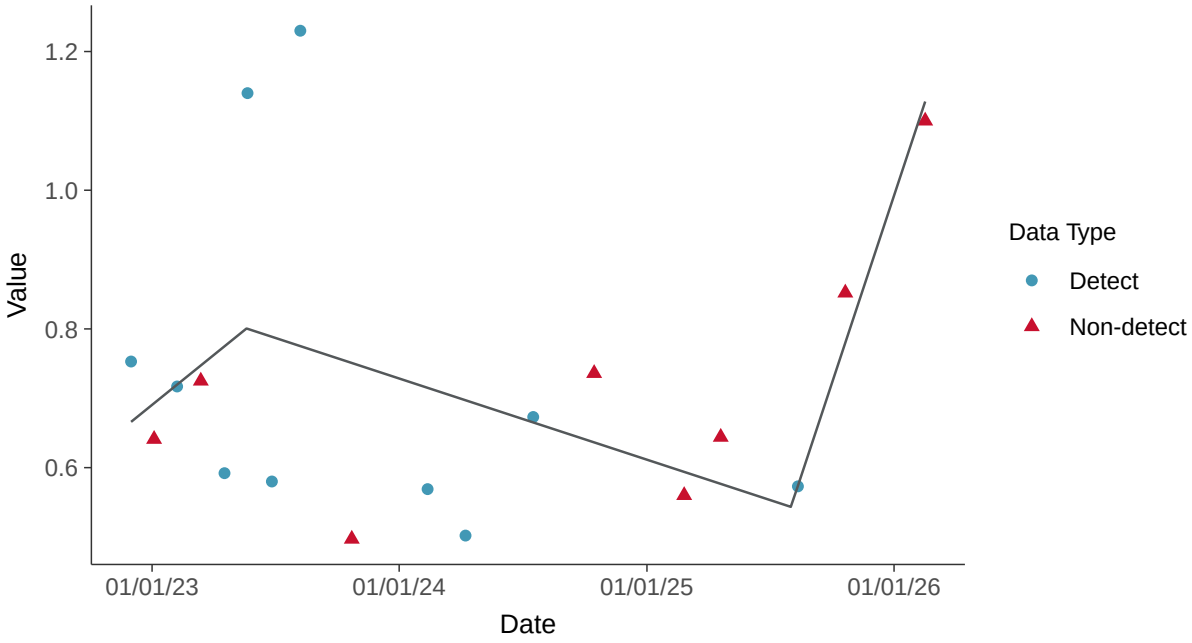
Trend Regression: Piecewise Linear-Linear

Radium 226 and 228, MW-31 (pCi/L)



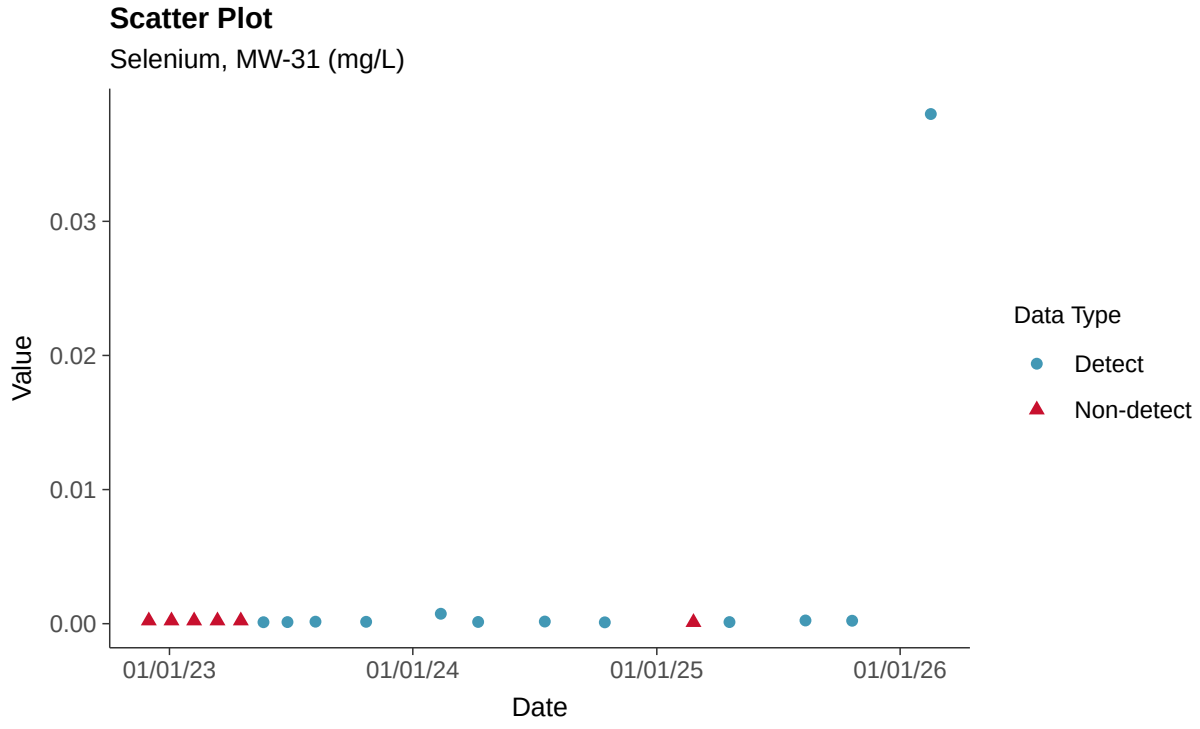
Trend Regression: Piecewise Linear-Linear-Linear

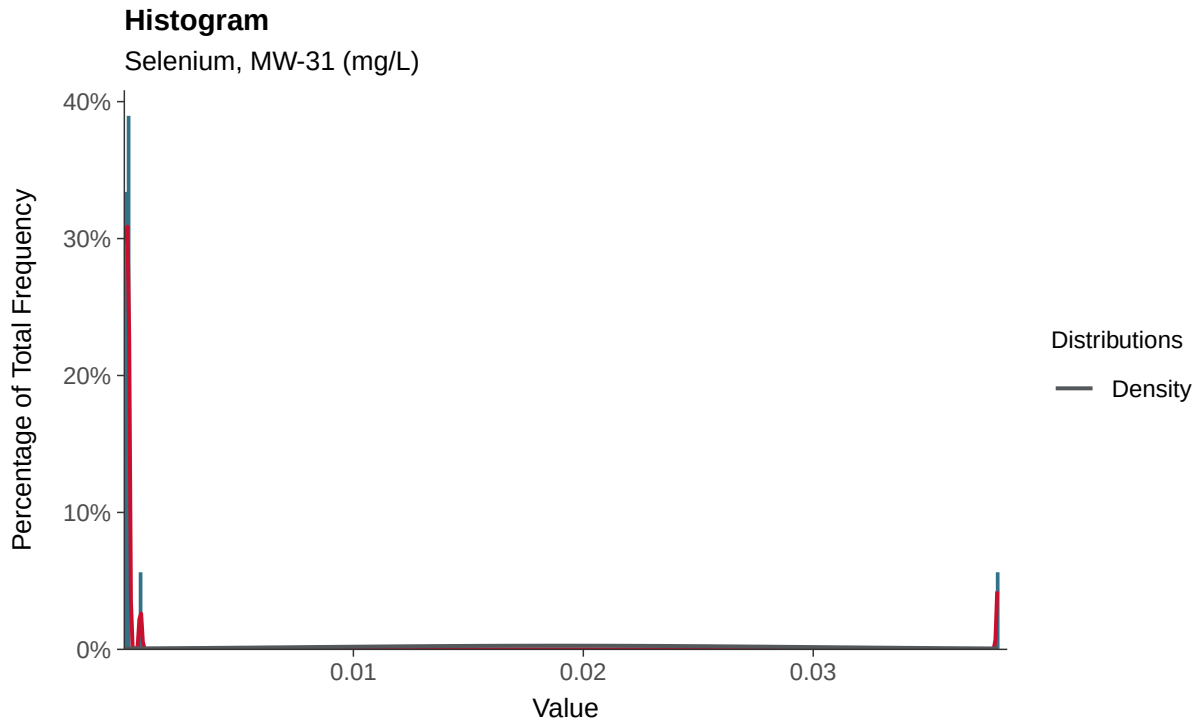
Radium 226 and 228, MW-31 (pCi/L)



Appendix IV: Selenium, MW-31

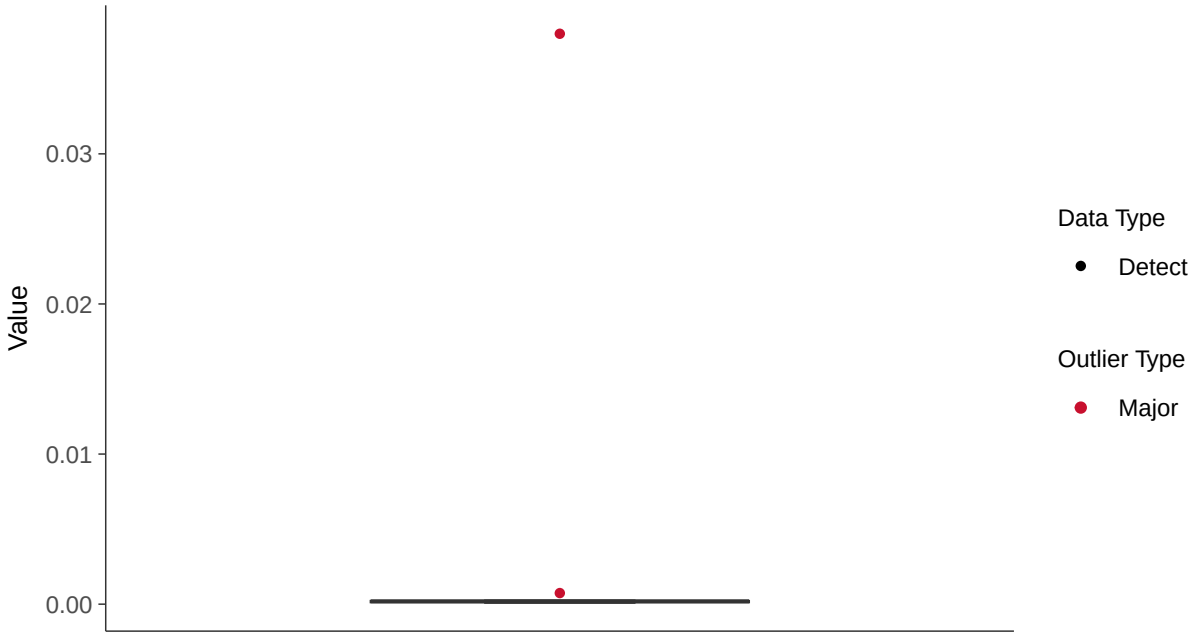
ID: 41_1_4_122





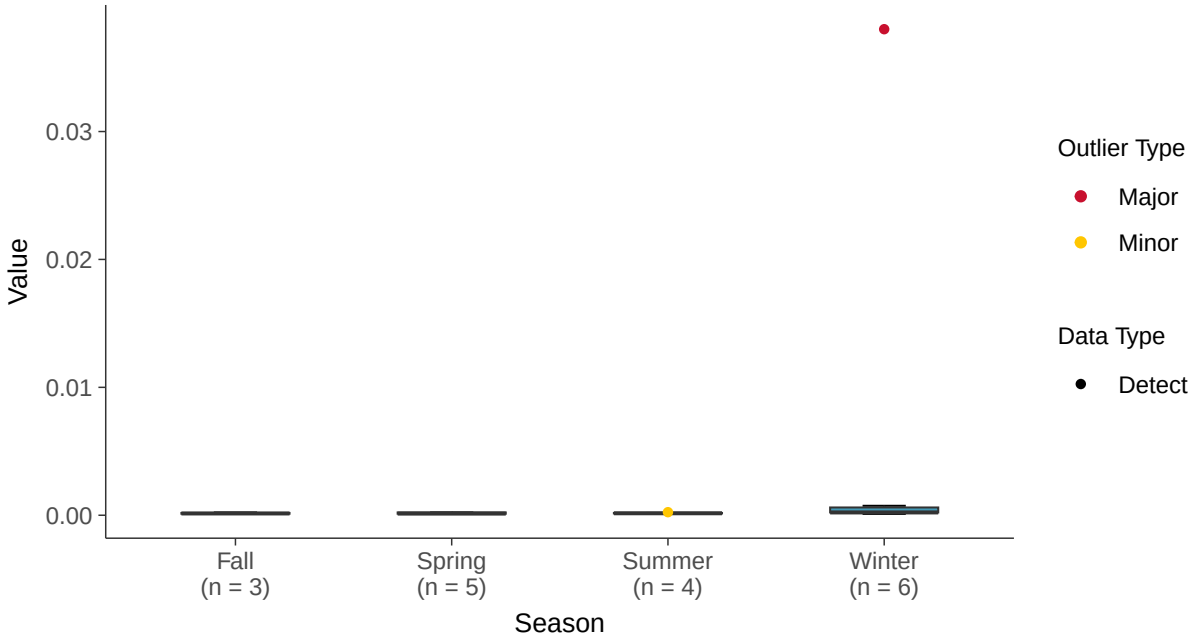
Boxplot

Selenium, MW-31 (mg/L)



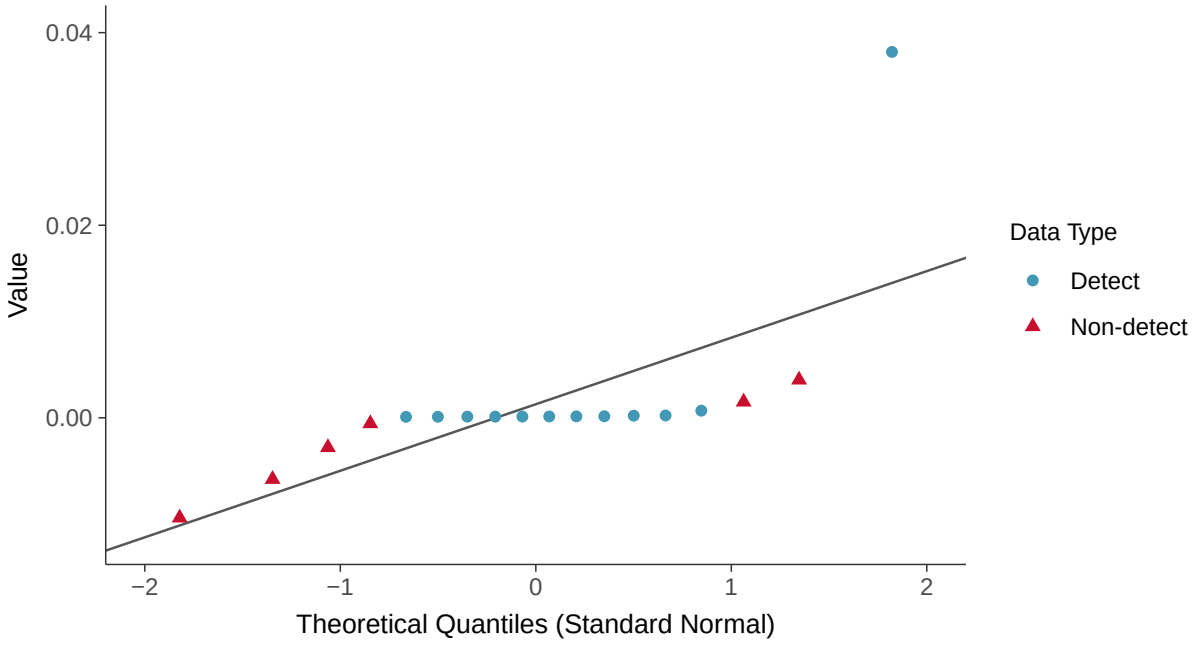
Boxplot by Season

Selenium, MW-31 (mg/L)



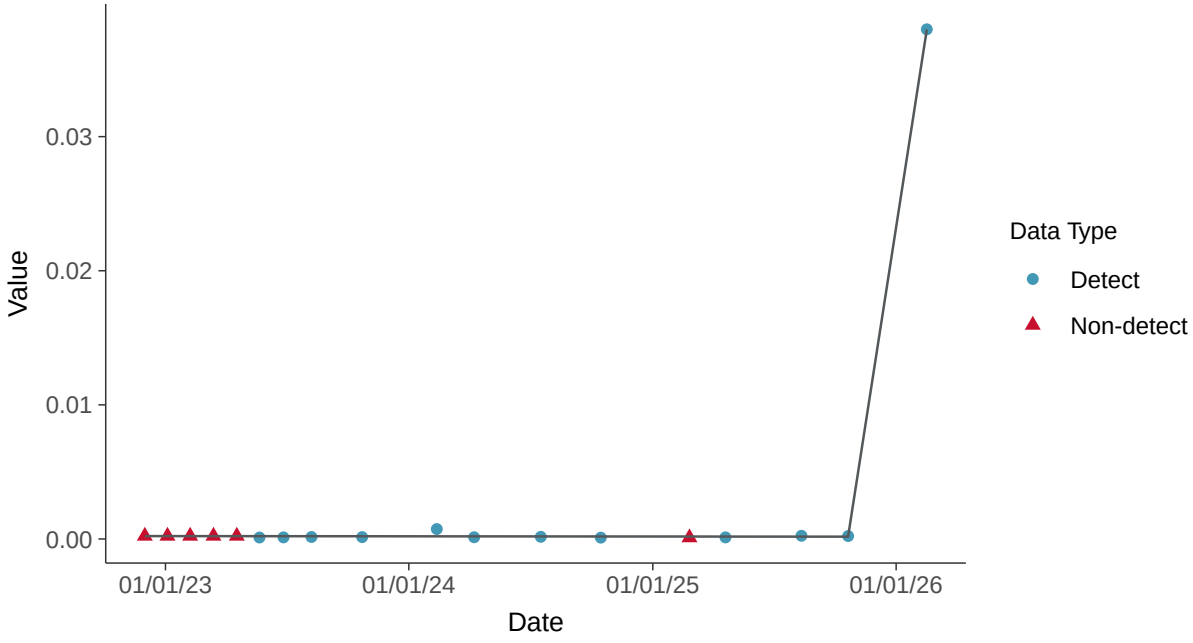
Normal Q-Q plot using ROS Imputed Estimates

Selenium, MW-31 (mg/L)



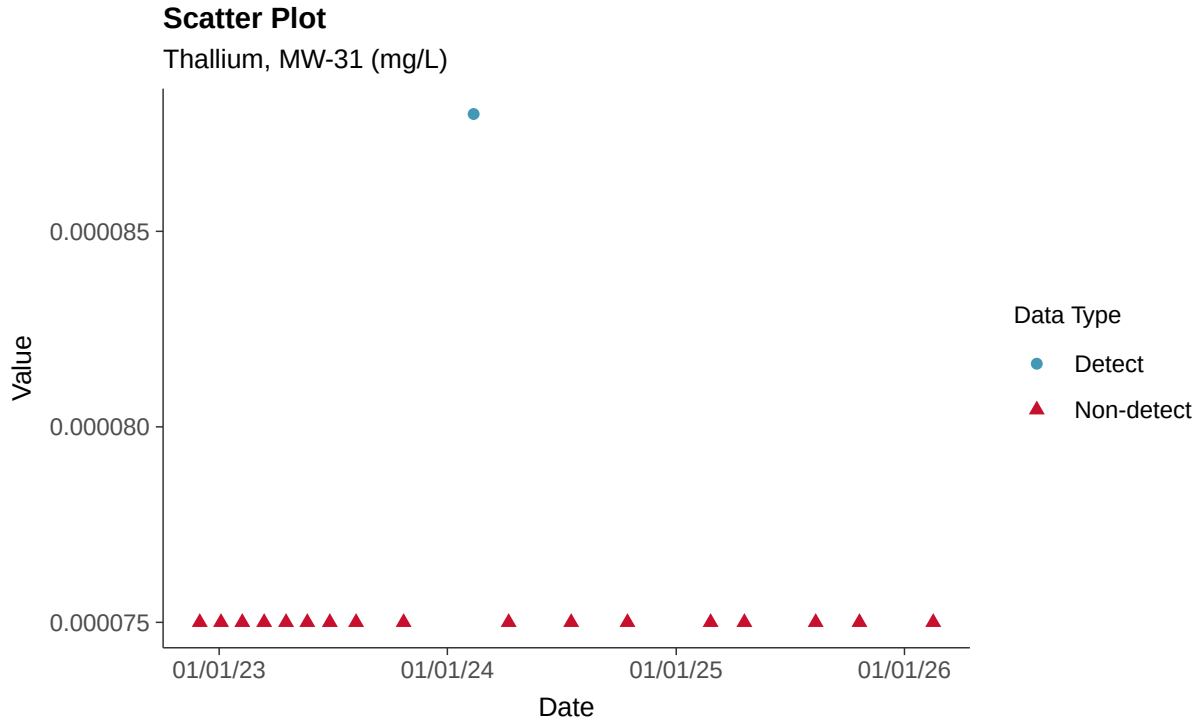
Trend Regression: Piecewise Linear-Linear

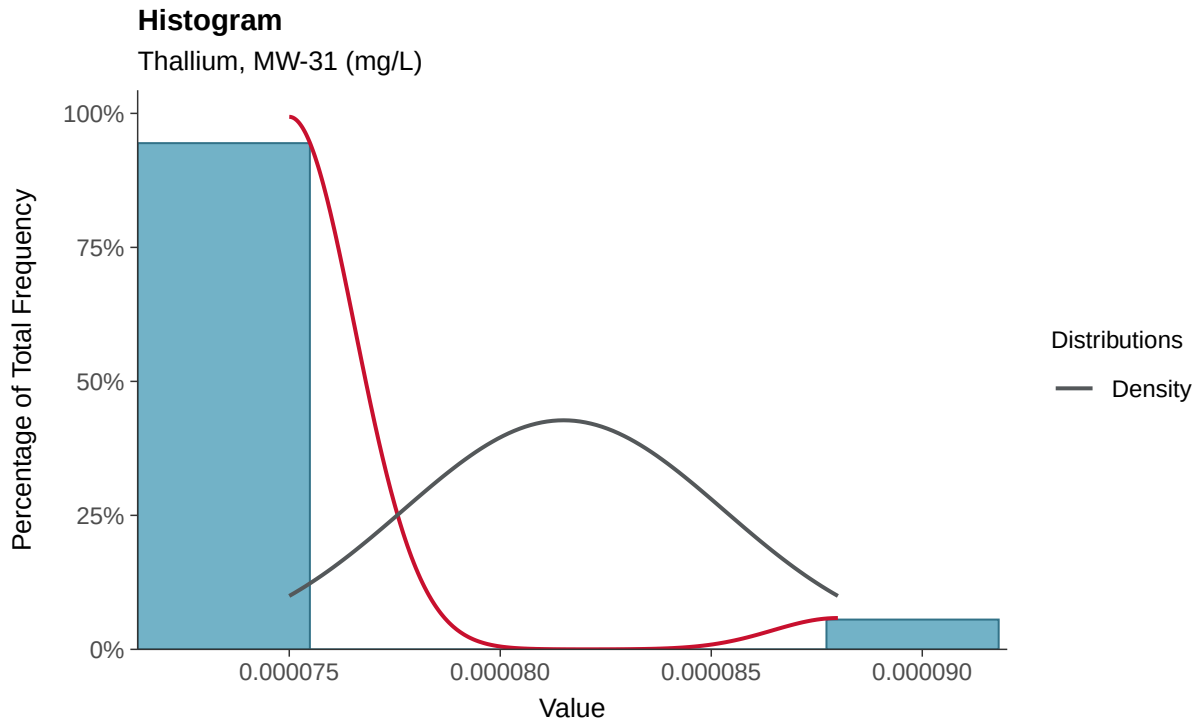
Selenium, MW-31 (mg/L)



Appendix IV: Thallium, MW-31

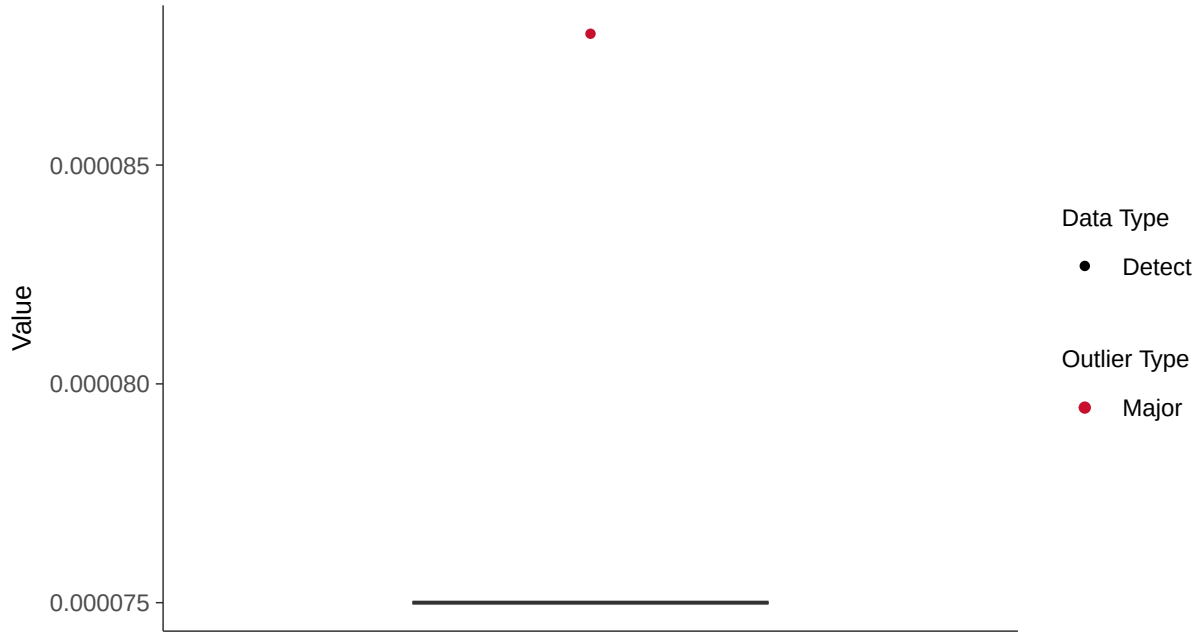
ID: 41_1_4_125





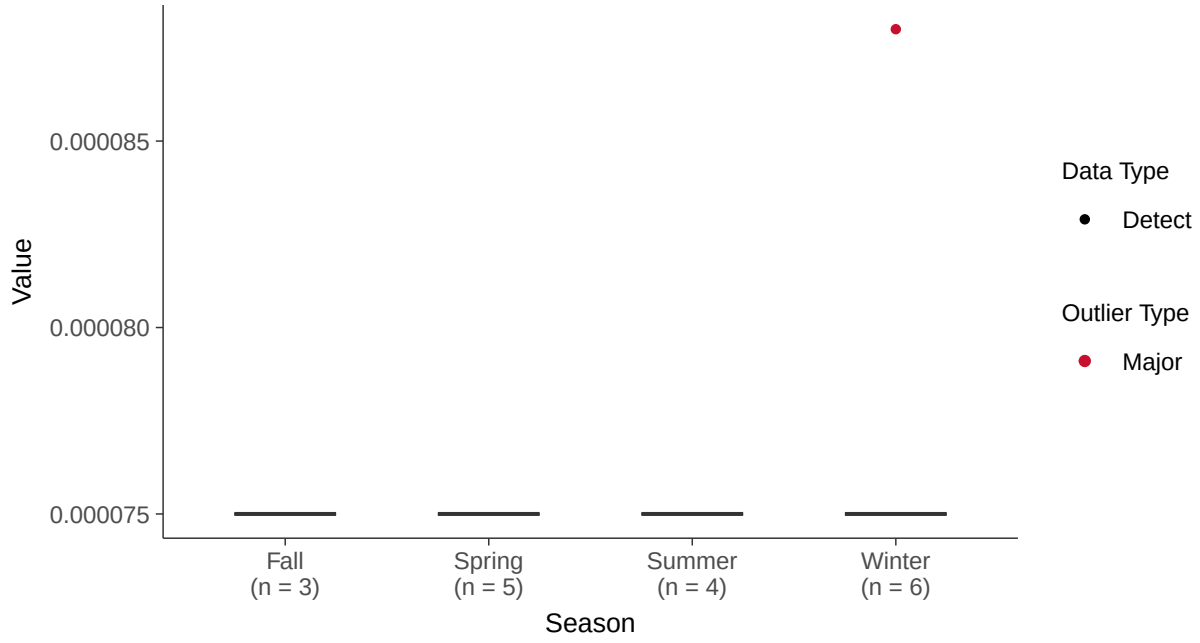
Boxplot

Thallium, MW-31 (mg/L)



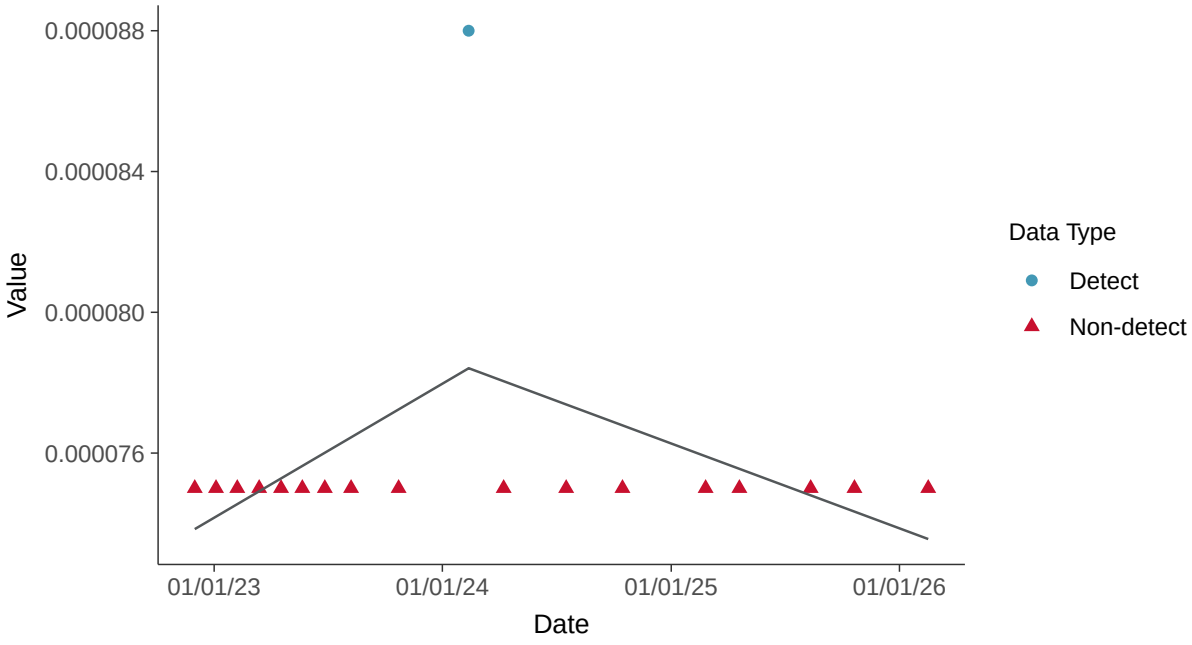
Boxplot by Season

Thallium, MW-31 (mg/L)



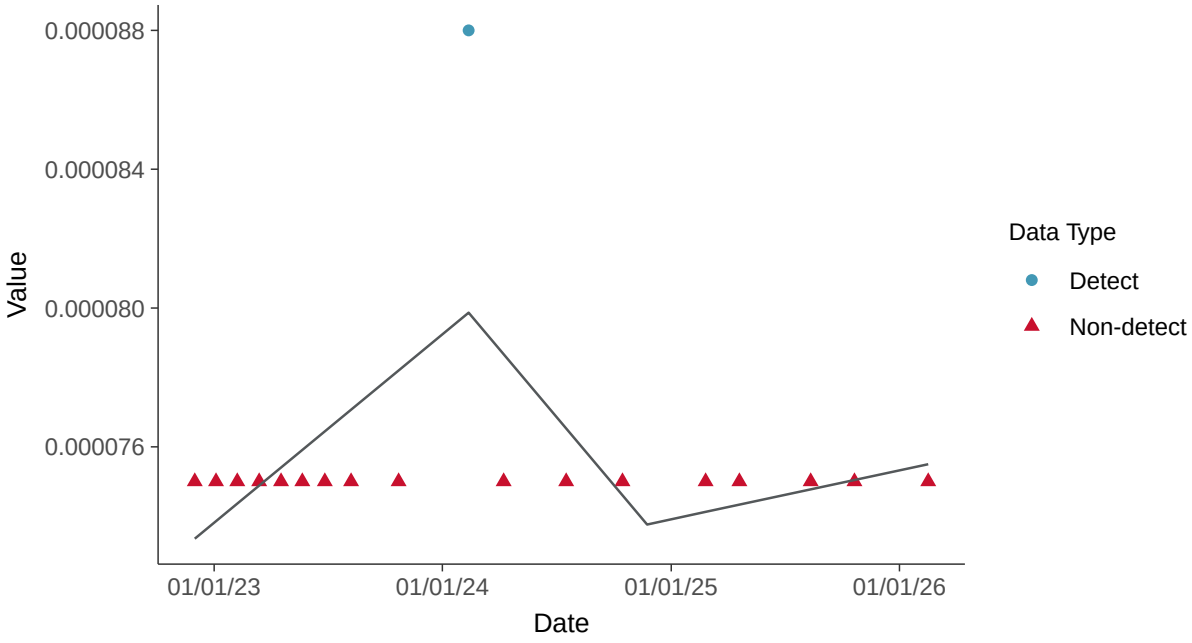
Trend Regression: Piecewise Linear-Linear

Thallium, MW-31 (mg/L)



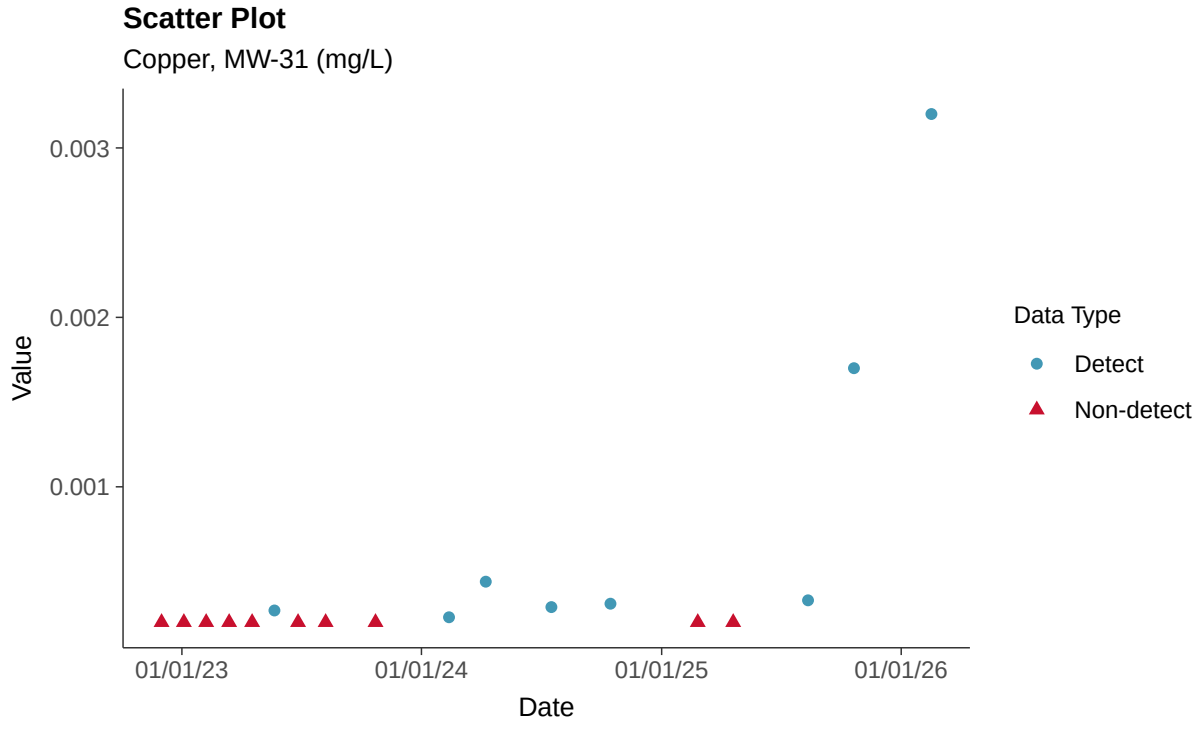
Trend Regression: Piecewise Linear-Linear-Linear

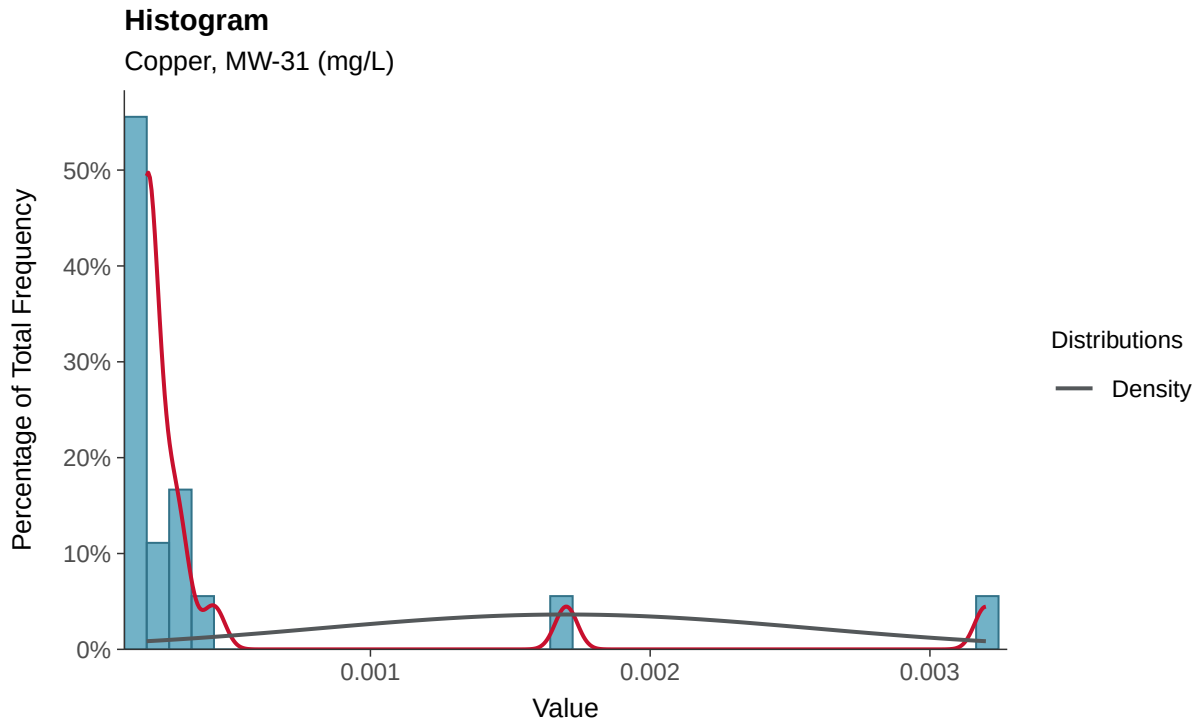
Thallium, MW-31 (mg/L)



Part 115: Copper, MW-31

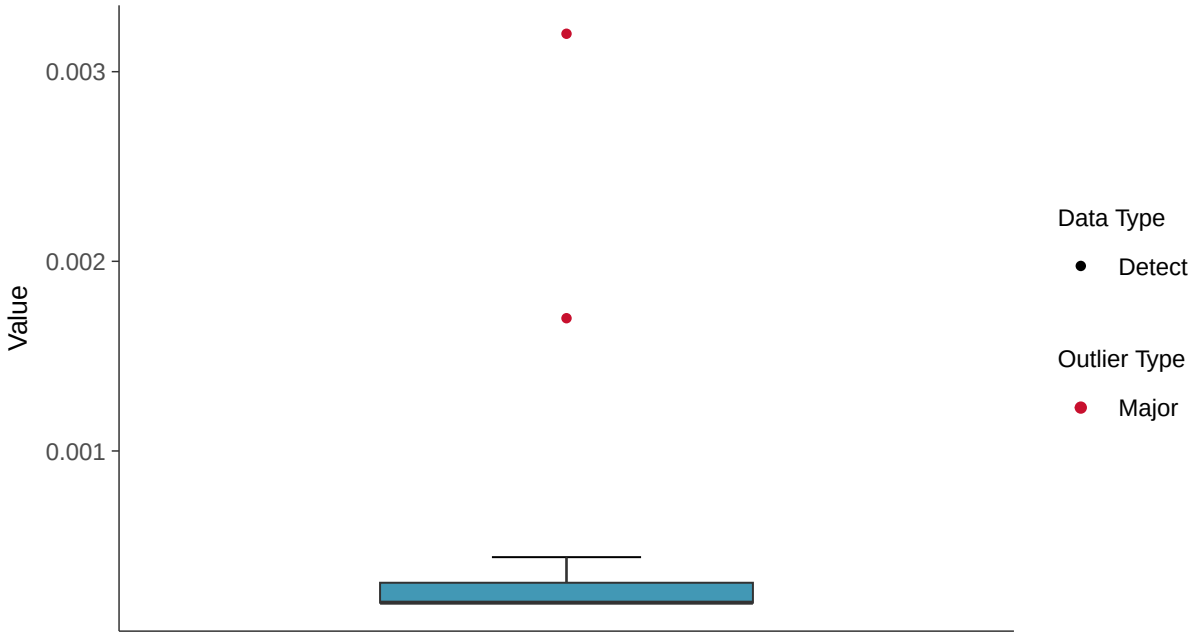
ID: 41_1_5_111





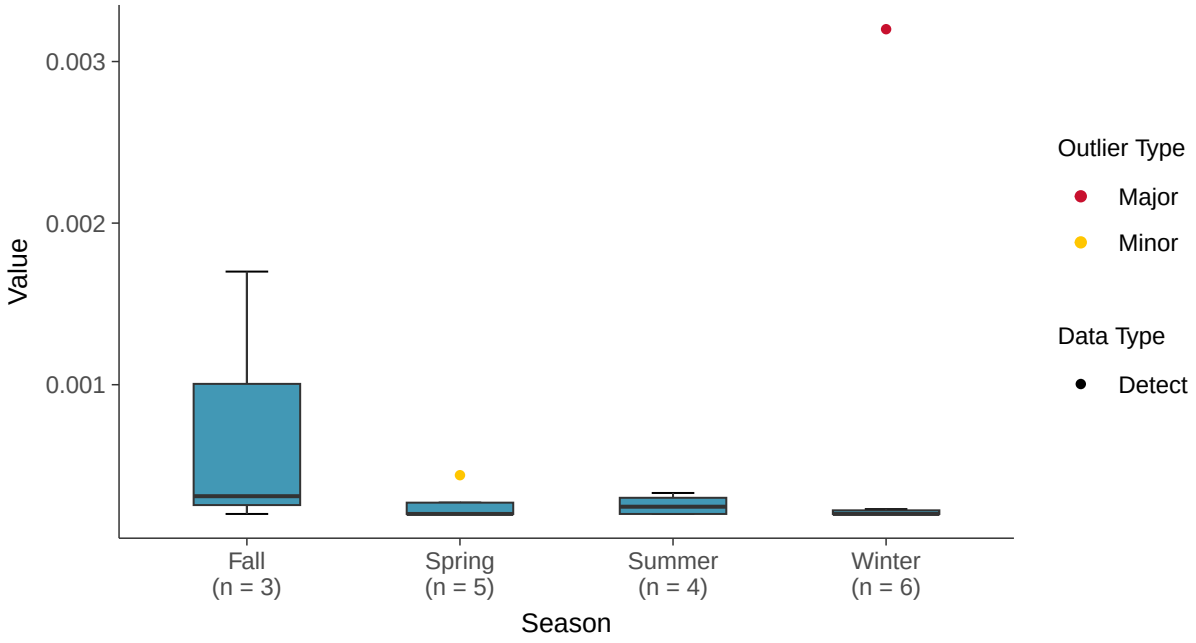
Boxplot

Copper, MW-31 (mg/L)



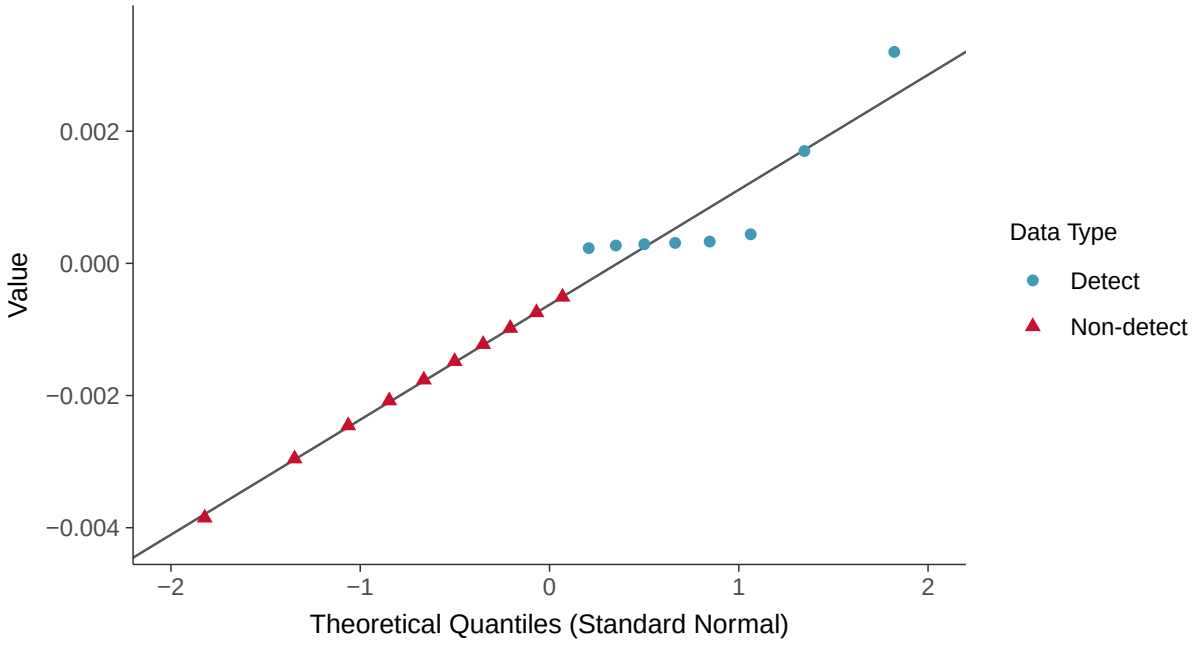
Boxplot by Season

Copper, MW-31 (mg/L)



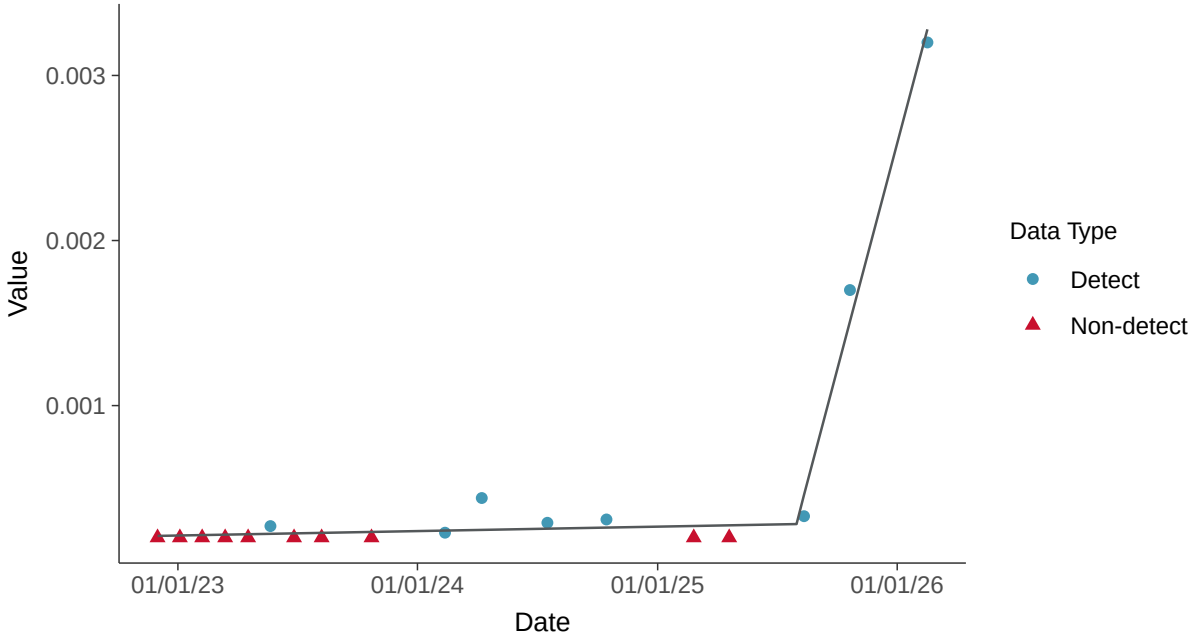
Normal Q-Q plot using ROS Imputed Estimates

Copper, MW-31 (mg/L)



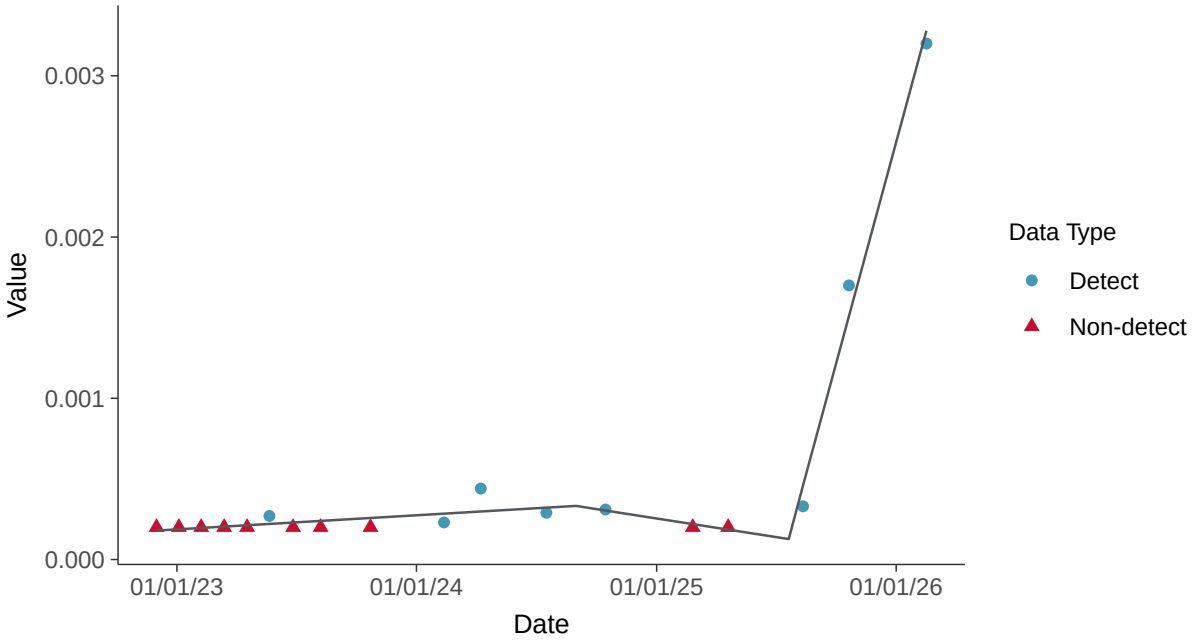
Trend Regression: Piecewise Linear-Linear

Copper, MW-31 (mg/L)



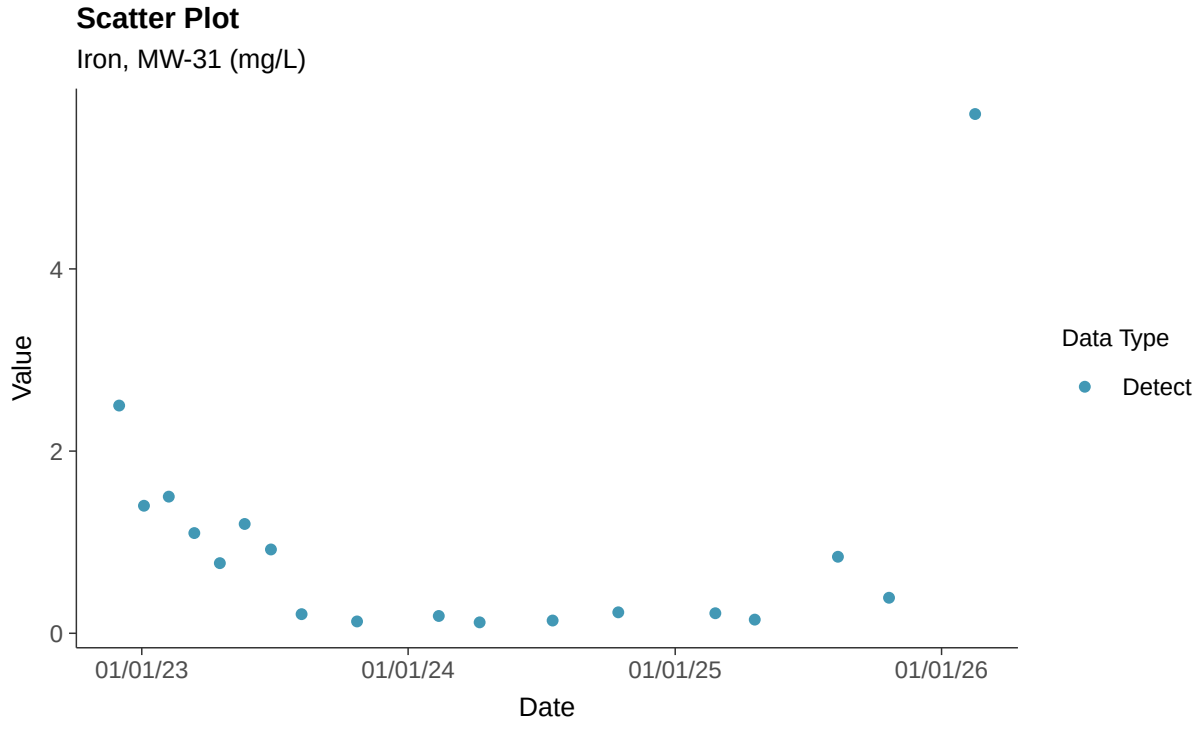
Trend Regression: Piecewise Linear-Linear-Linear

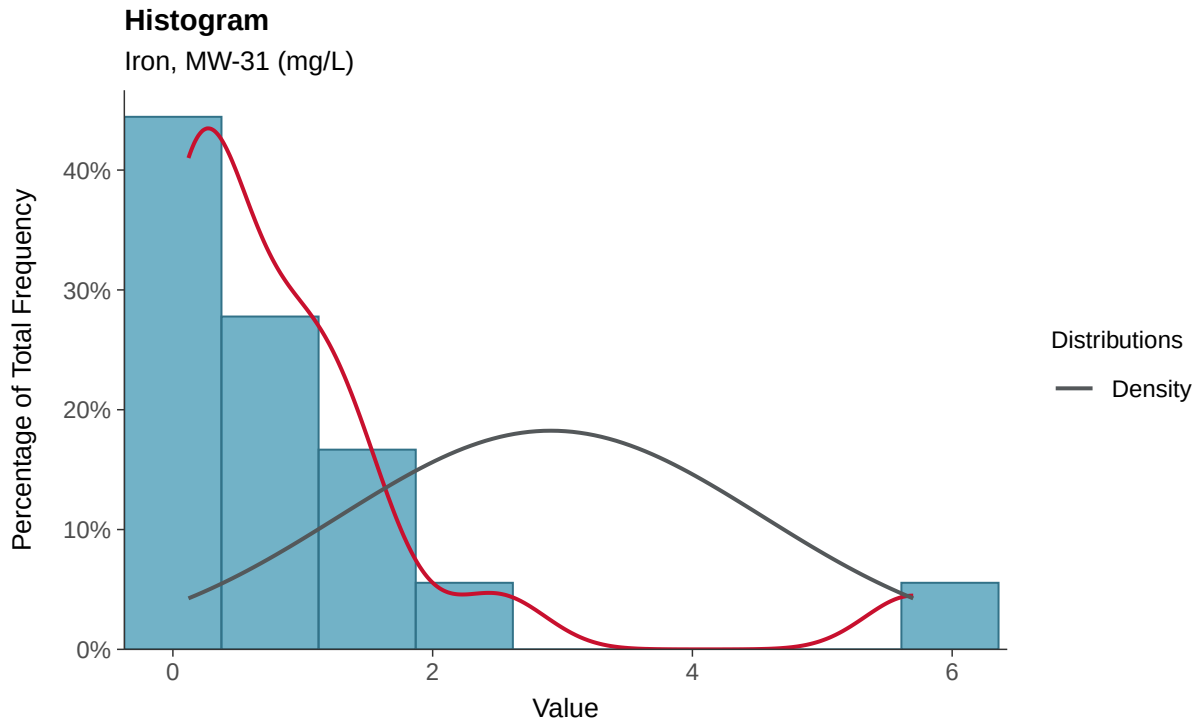
Copper, MW-31 (mg/L)



Part 115: Iron, MW-31

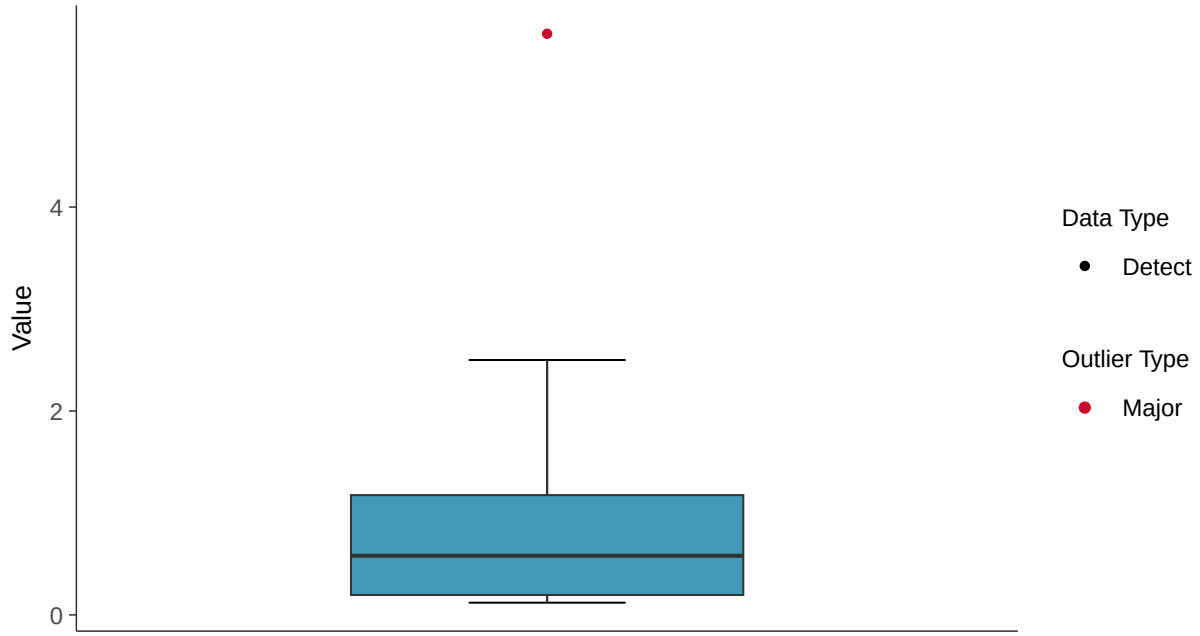
ID: 41_1_5_114





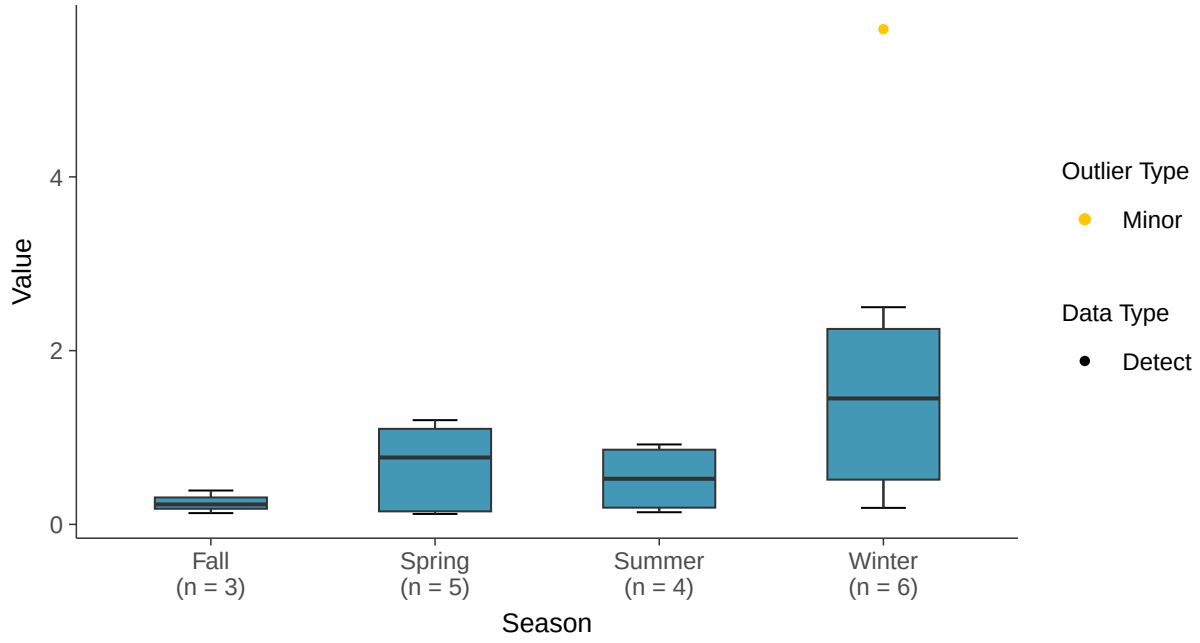
Boxplot

Iron, MW-31 (mg/L)



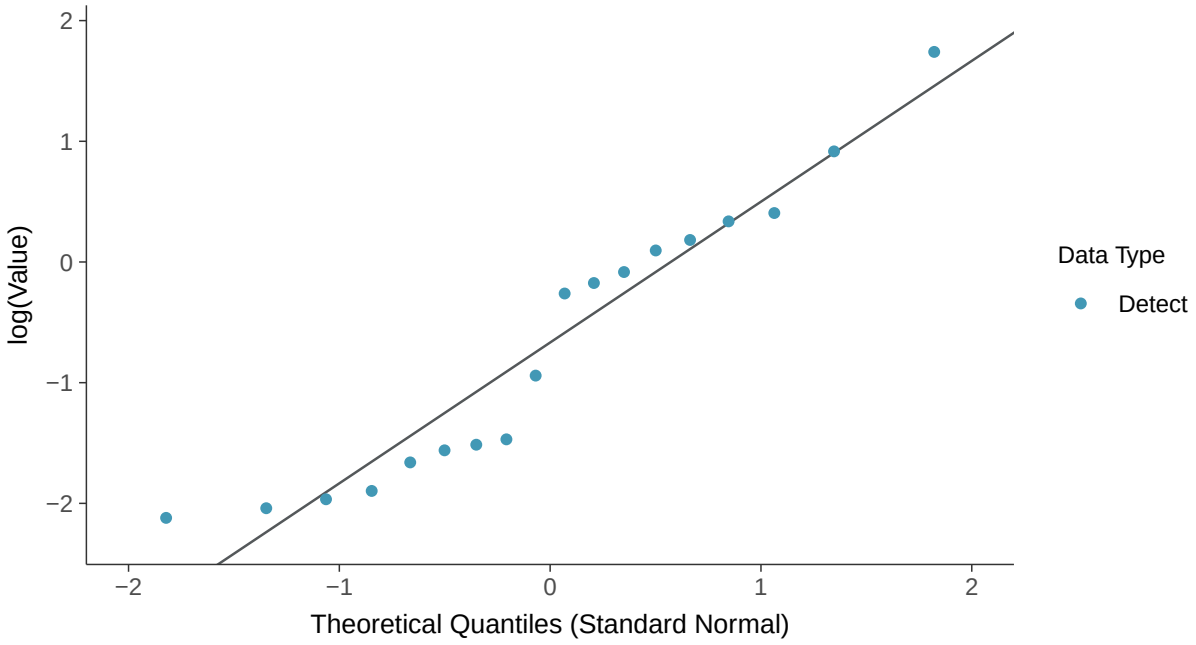
Boxplot by Season

Iron, MW-31 (mg/L)



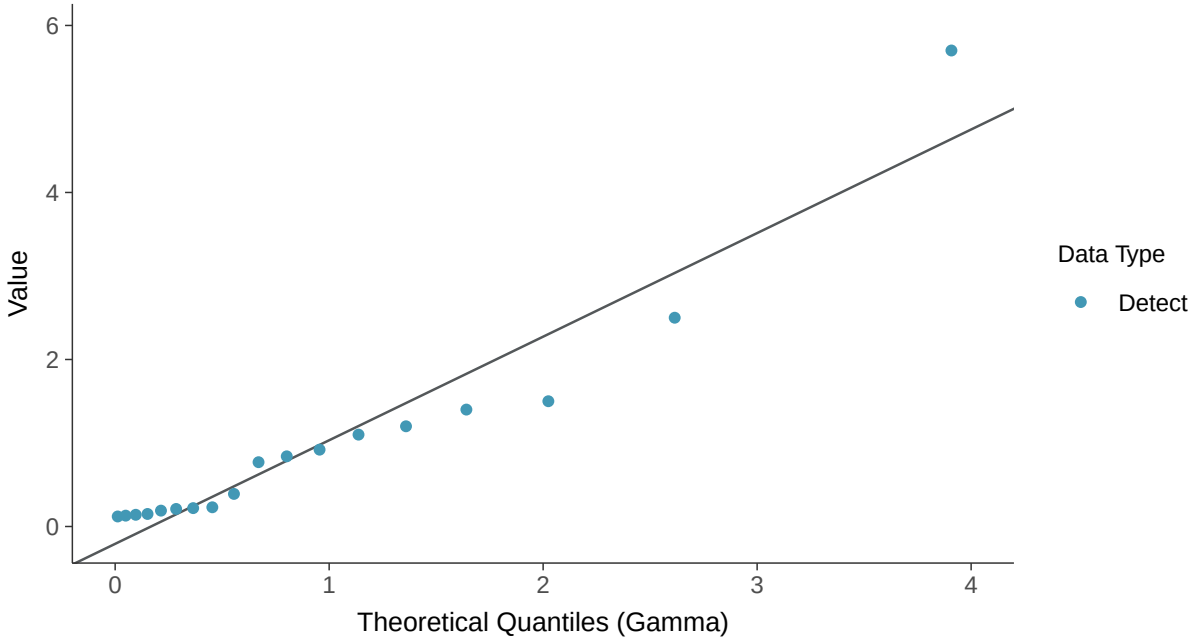
Lognormal Q-Q plot

Iron, MW-31 (mg/L)



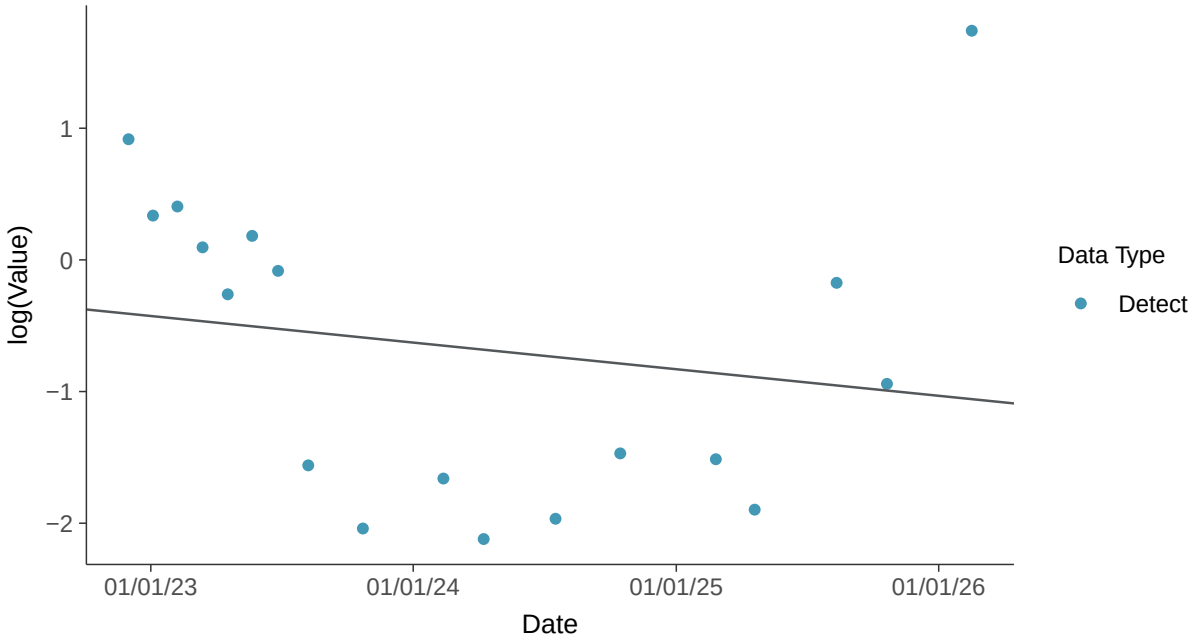
Gamma Q-Q plot

Iron, MW-31 (mg/L)



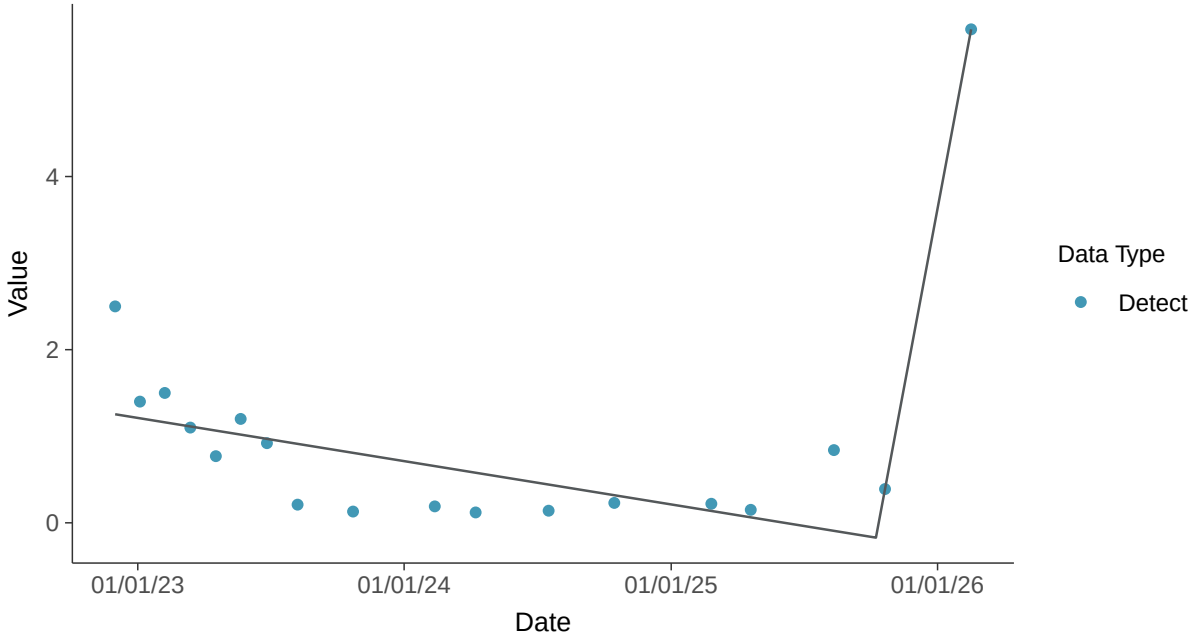
Trend Regression: Lognormal MLE

Iron, MW-31 (mg/L)



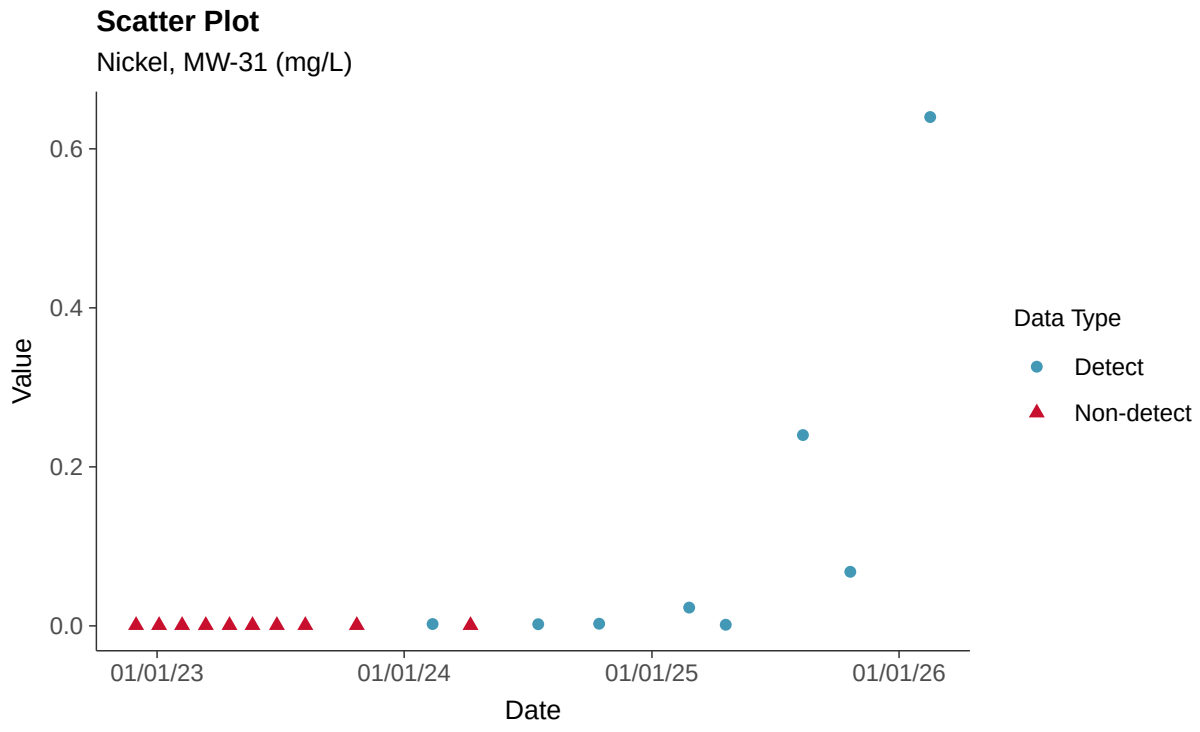
Trend Regression: Piecewise Linear-Linear

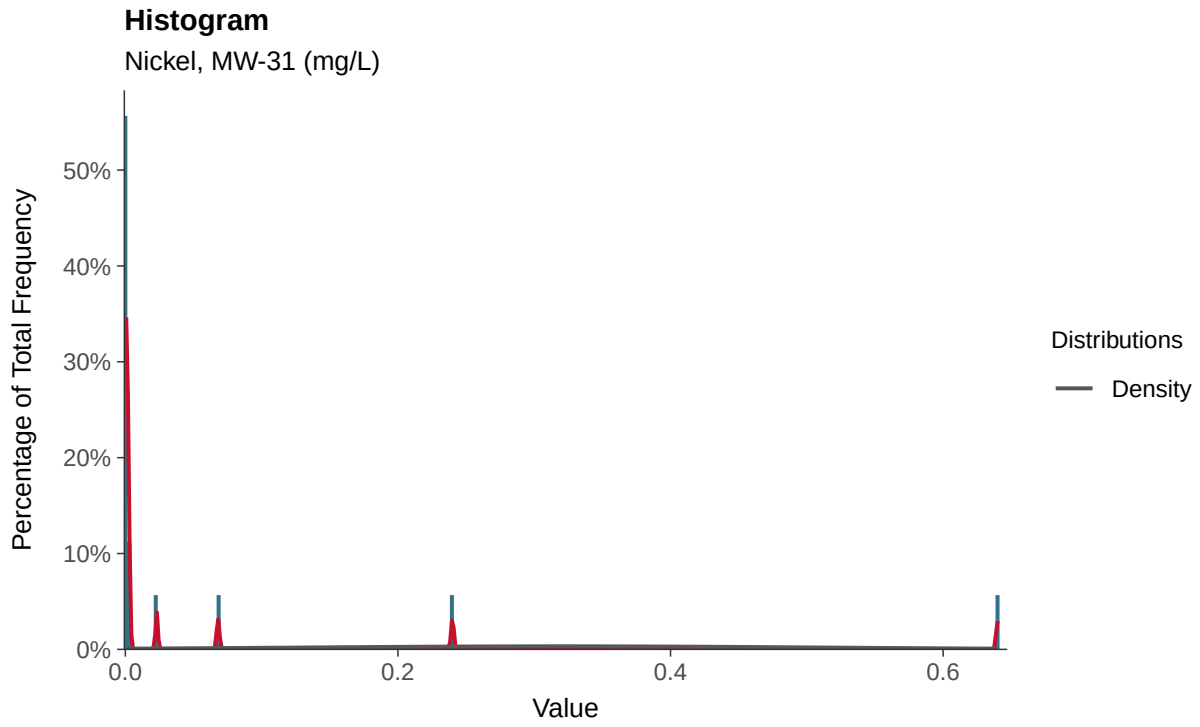
Iron, MW-31 (mg/L)



Part 115: Nickel, MW-31

ID: 41_1_5_119



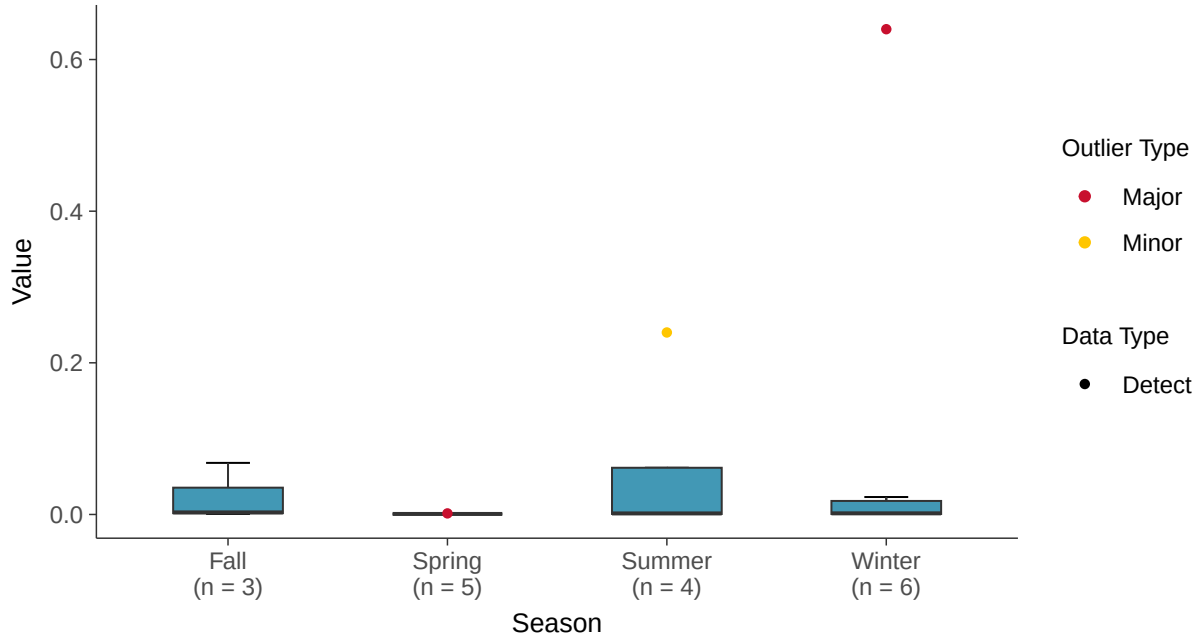


Boxplot

Nickel, MW-31 (mg/L)

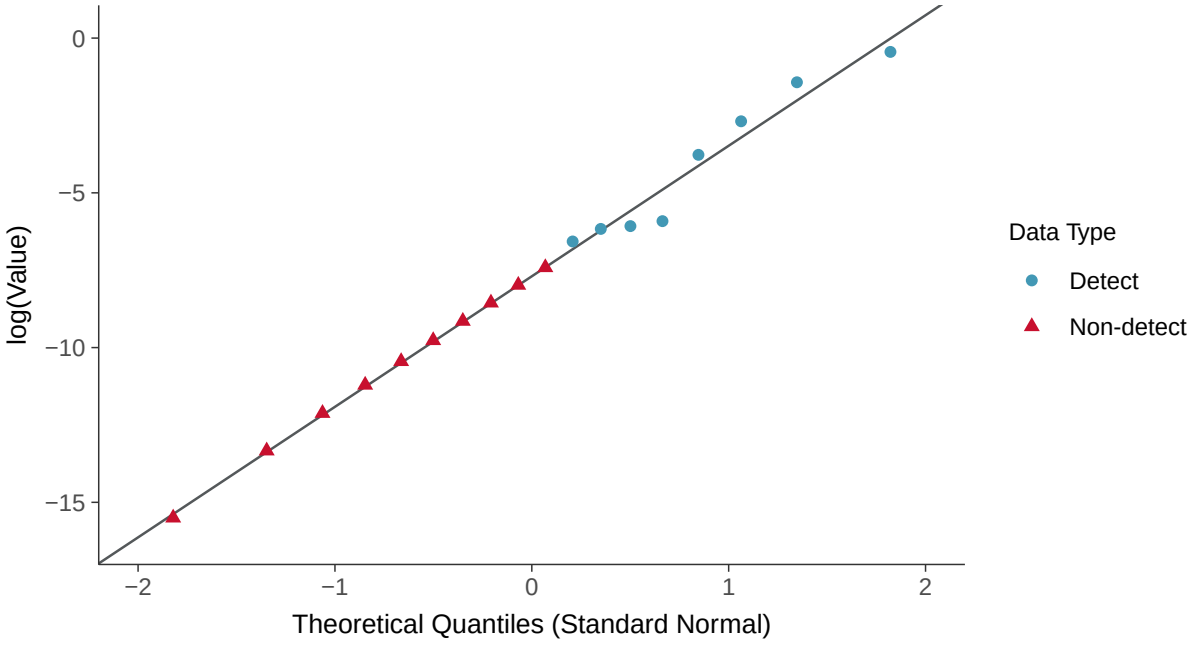
Boxplot by Season

Nickel, MW-31 (mg/L)



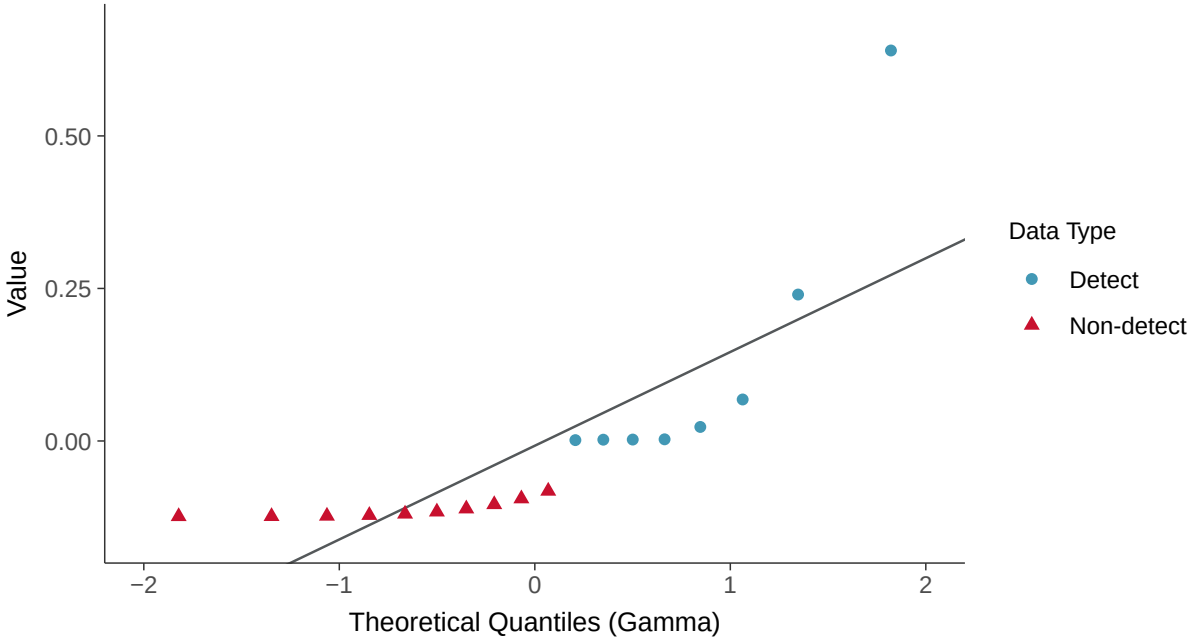
Lognormal Q-Q plot using ROS Imputed Estimates

Nickel, MW-31 (mg/L)



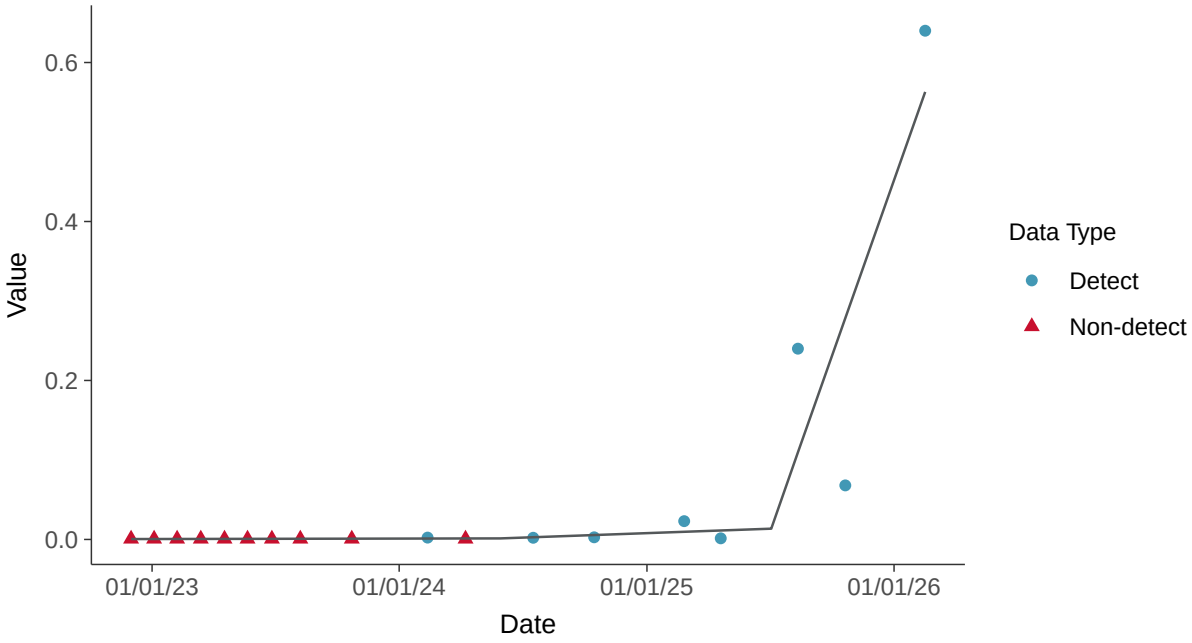
Gamma Q-Q plot using ROS Imputed Estimates

Nickel, MW-31 (mg/L)



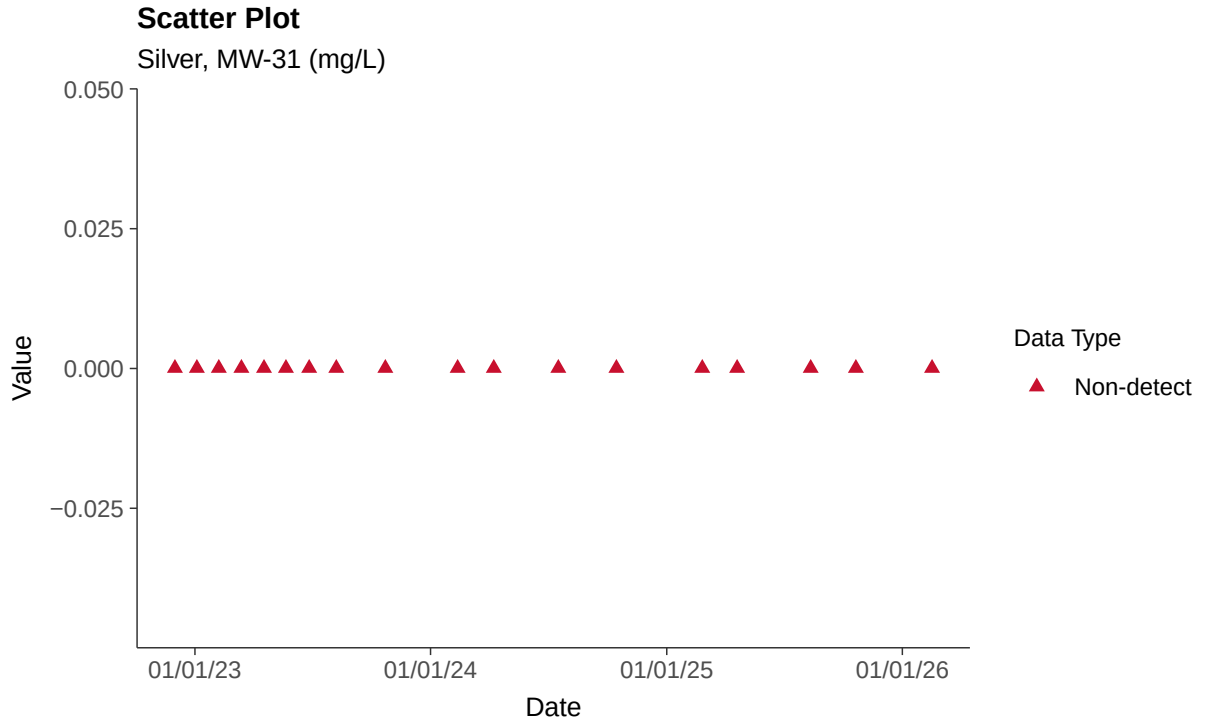
Trend Regression: Piecewise Linear-Linear-Linear

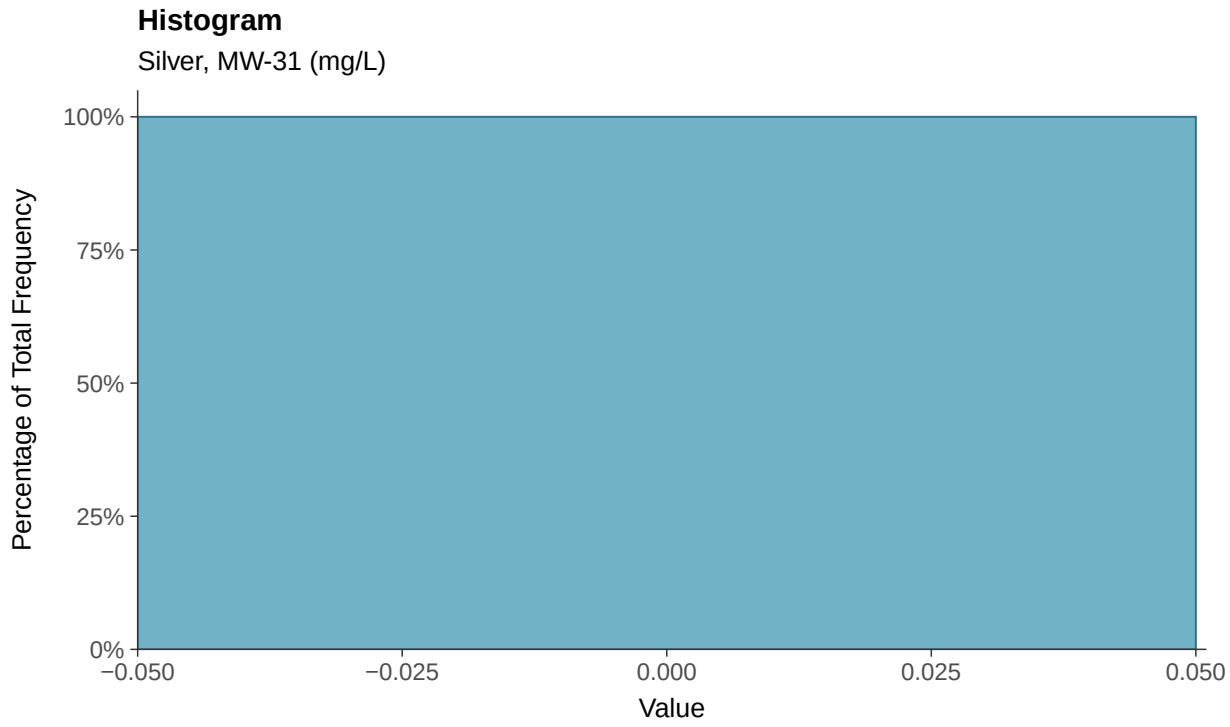
Nickel, MW-31 (mg/L)



Part 115: Silver, MW-31

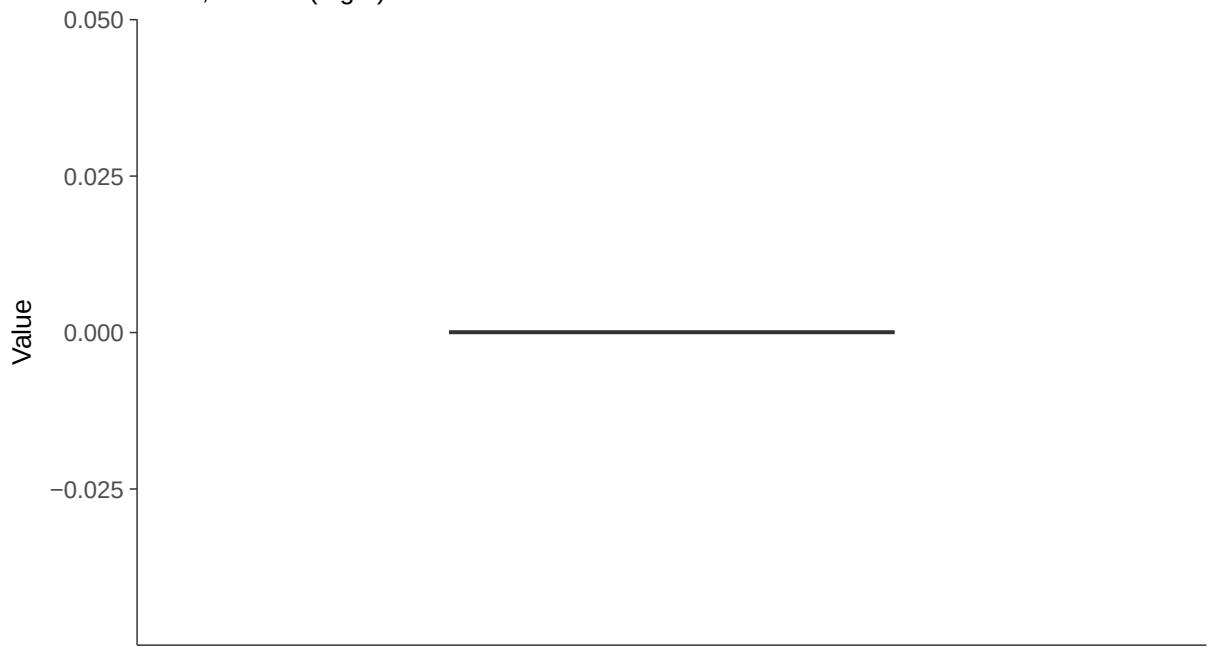
ID: 41_1_5_123





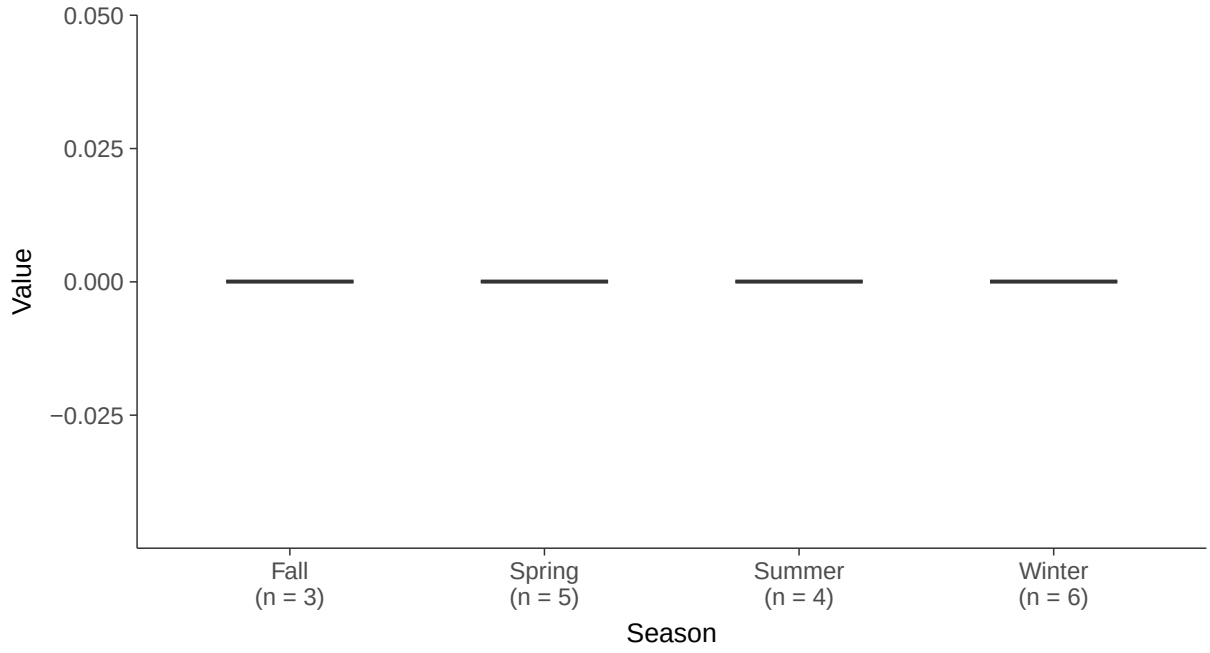
Boxplot

Silver, MW-31 (mg/L)



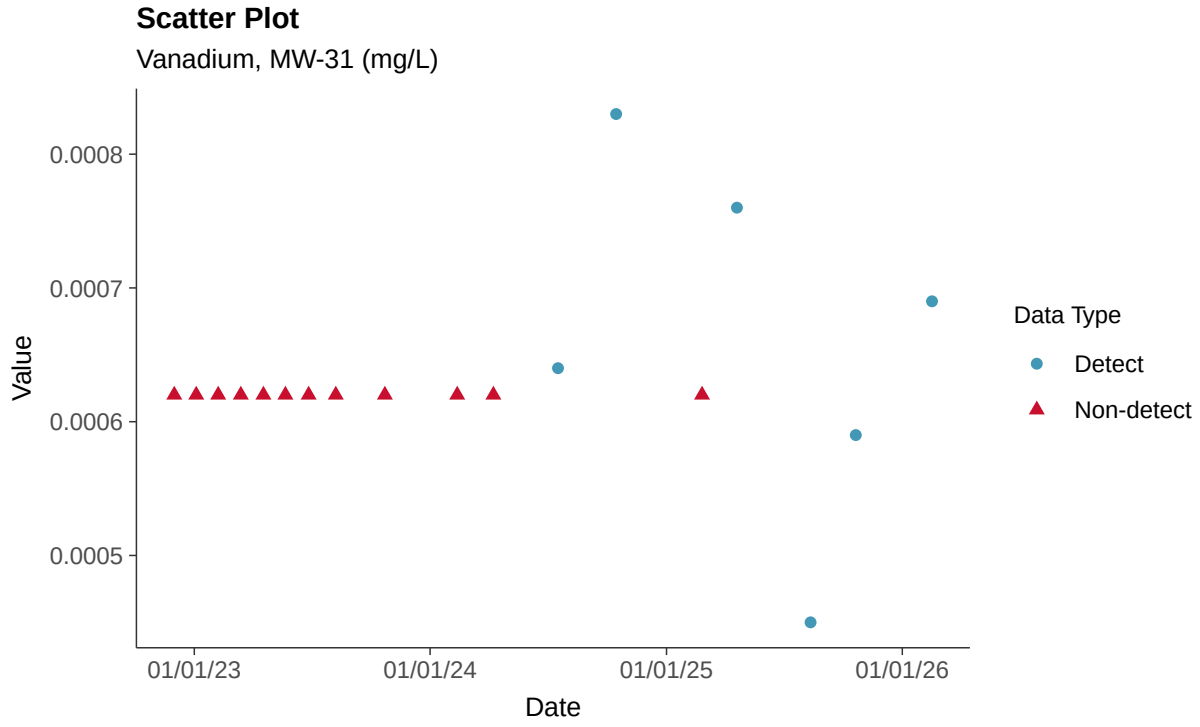
Boxplot by Season

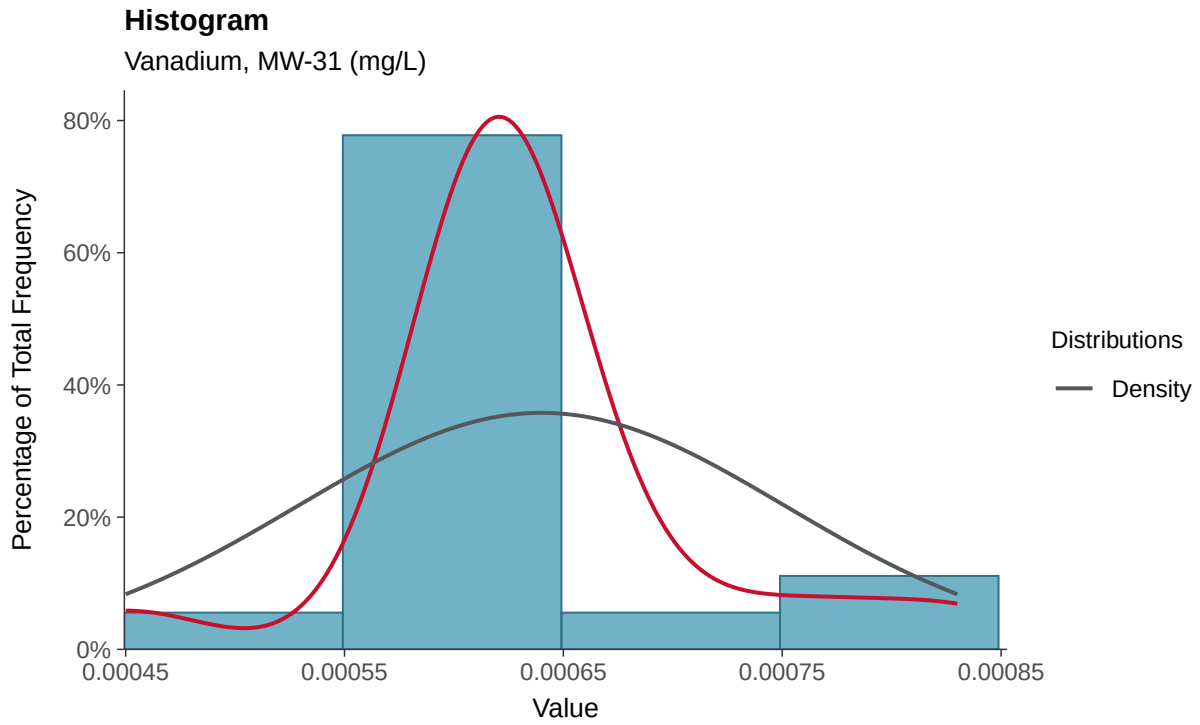
Silver, MW-31 (mg/L)



Part 115: Vanadium, MW-31

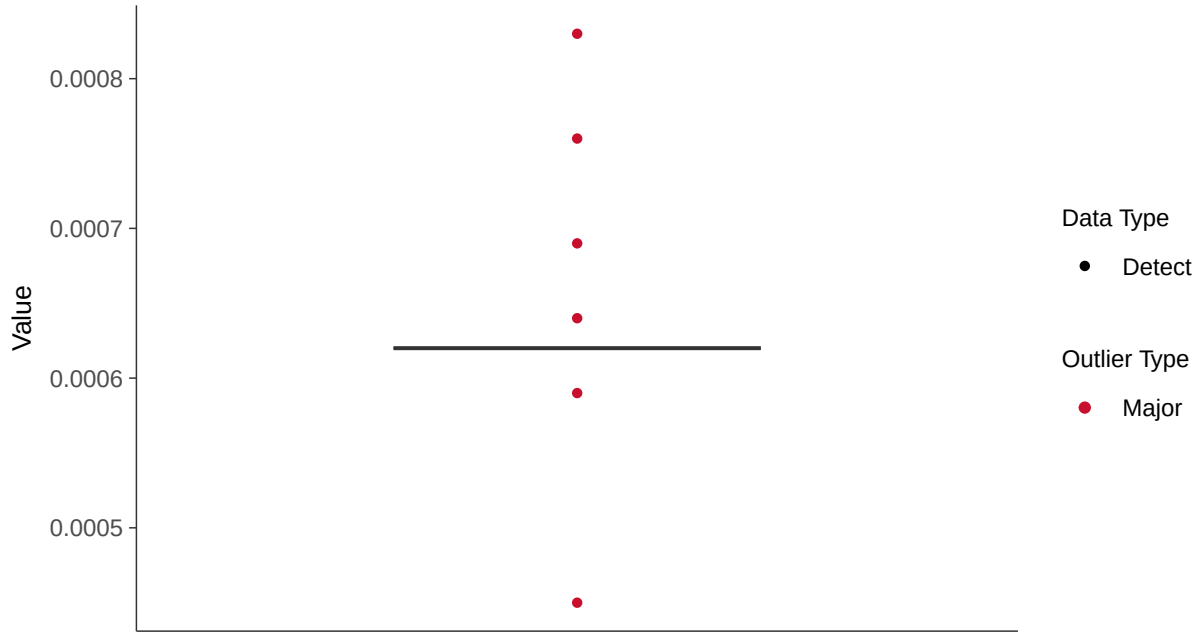
ID: 41_1_5_128





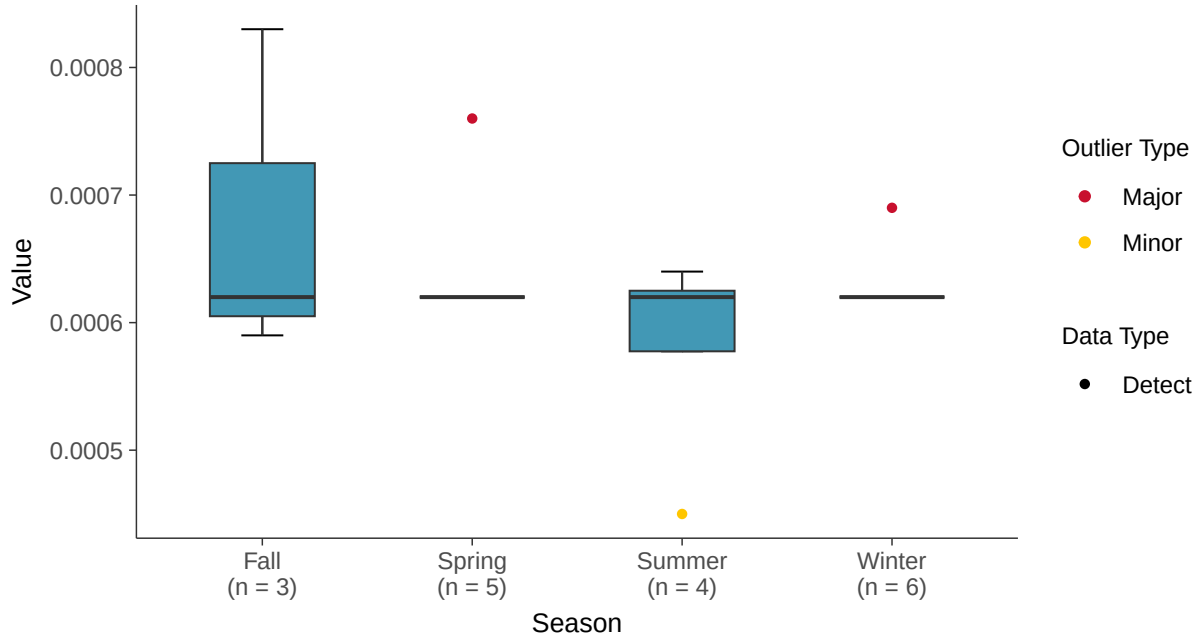
Boxplot

Vanadium, MW-31 (mg/L)



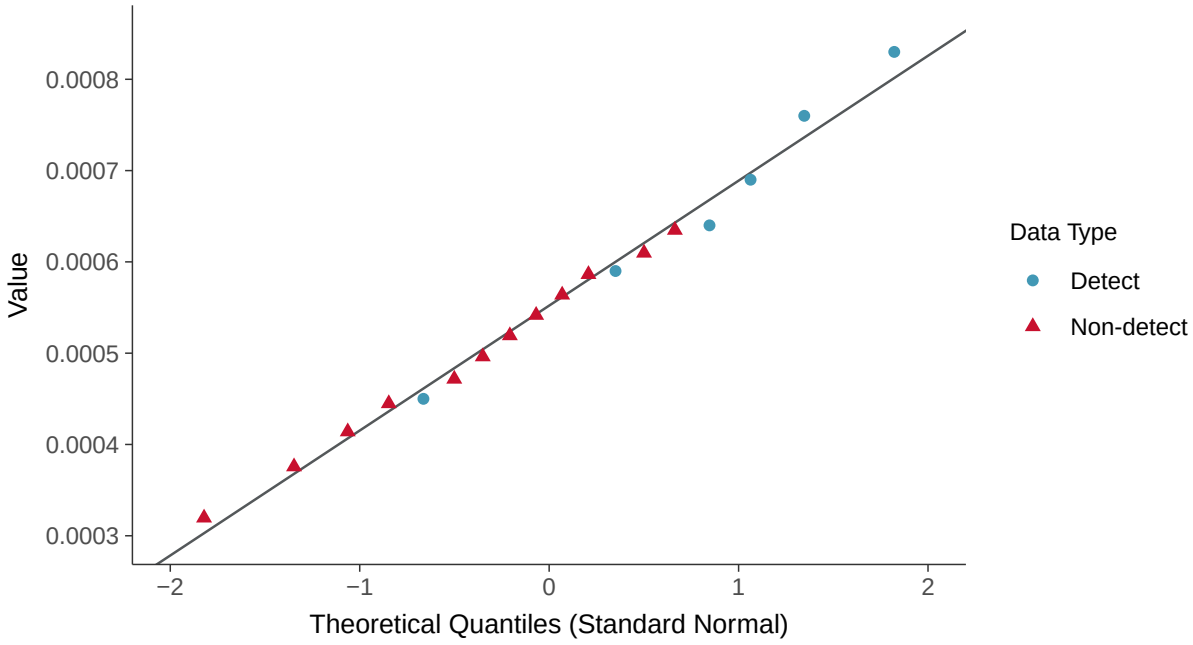
Boxplot by Season

Vanadium, MW-31 (mg/L)



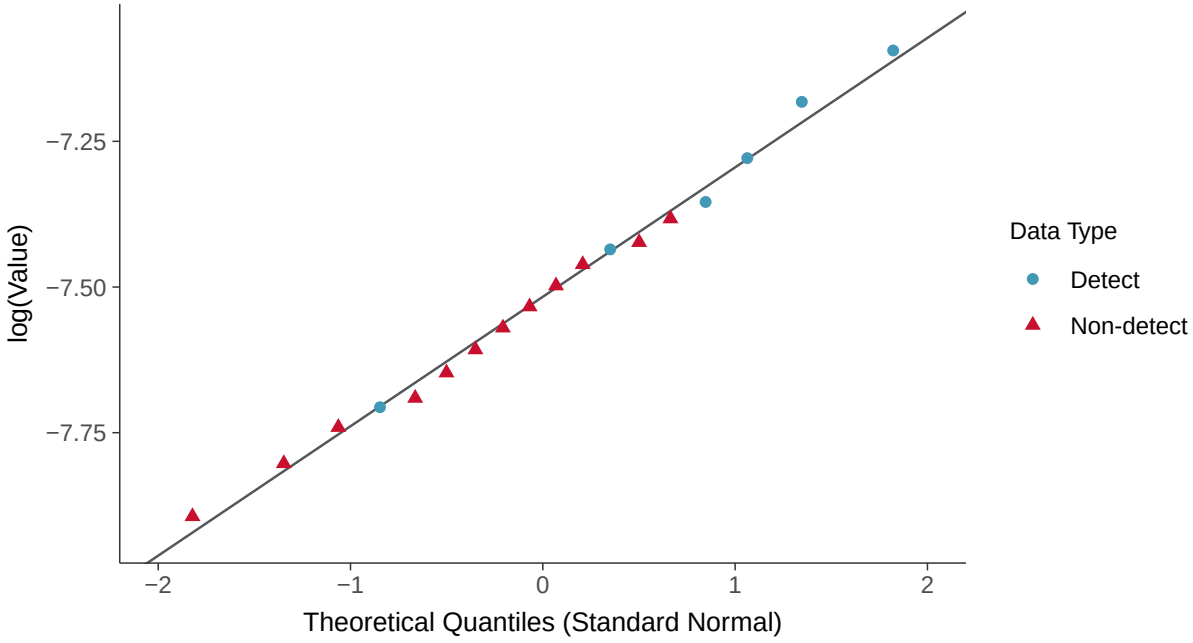
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-31 (mg/L)



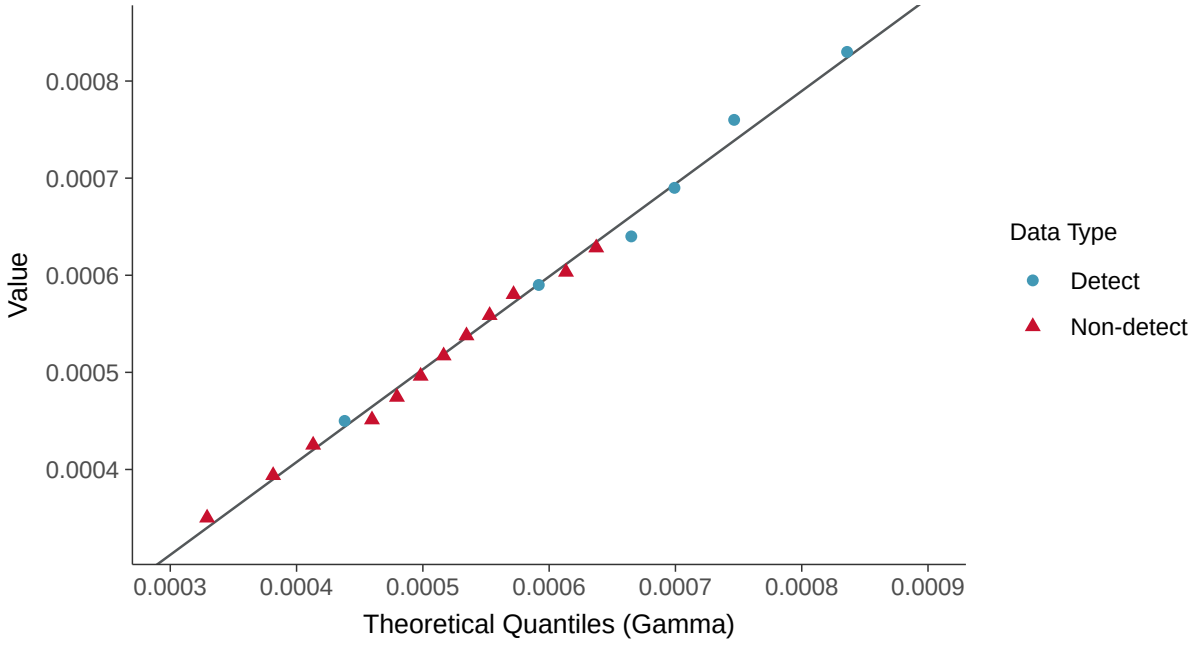
Lognormal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-31 (mg/L)



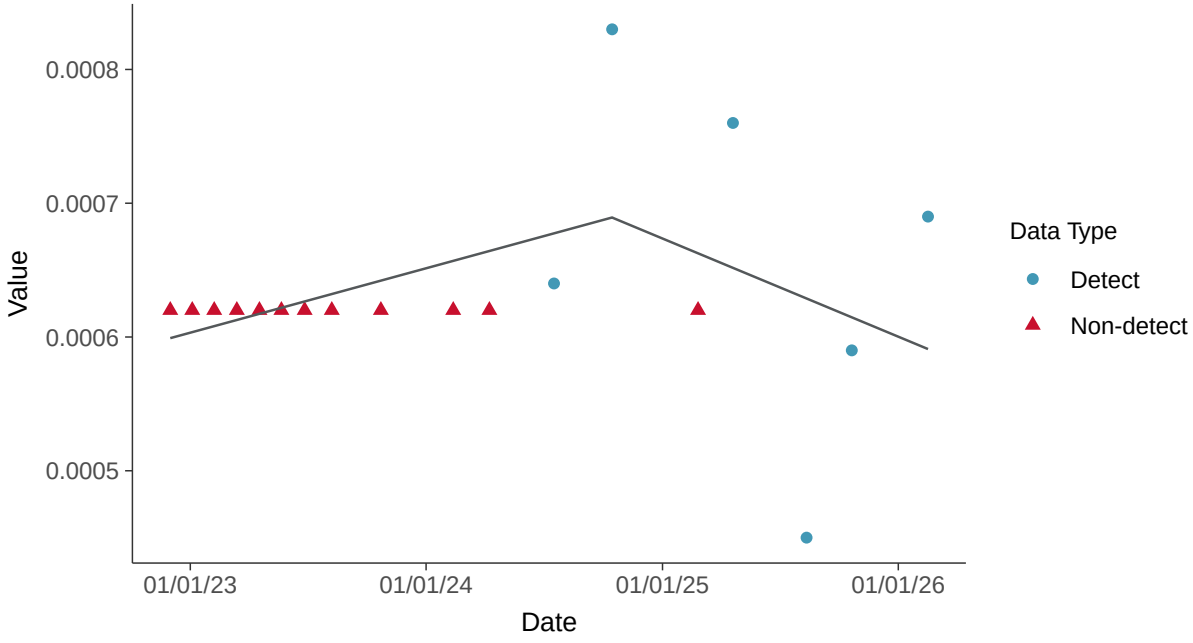
Gamma Q-Q plot using ROS Imputed Estimates

Vanadium, MW-31 (mg/L)



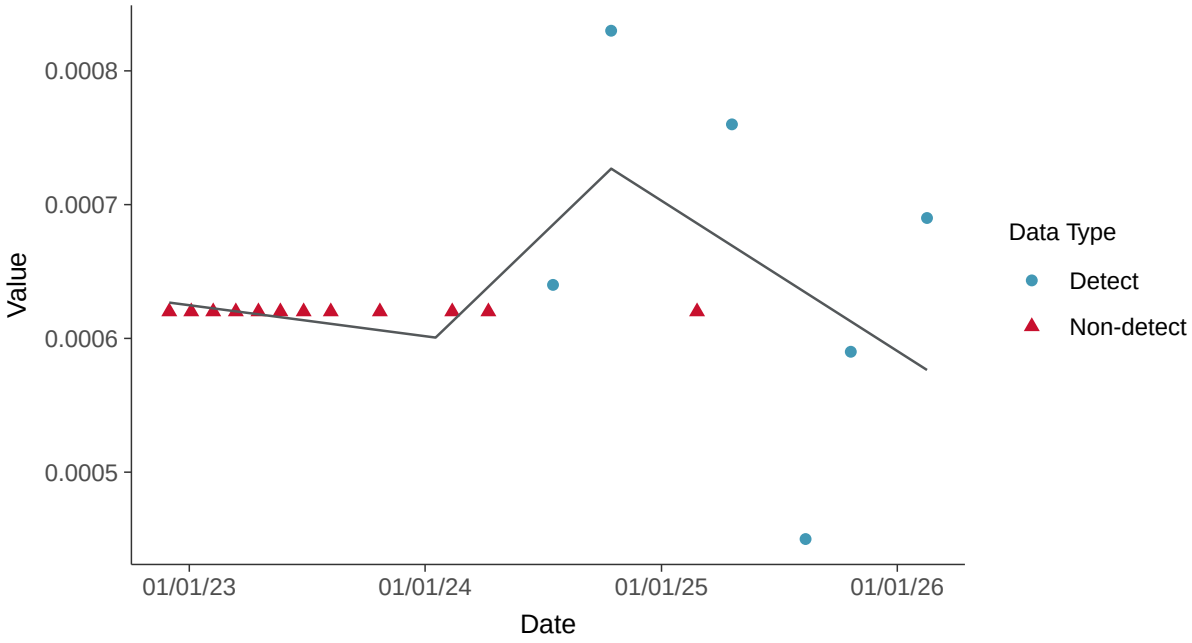
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-31 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Vanadium, MW-31 (mg/L)

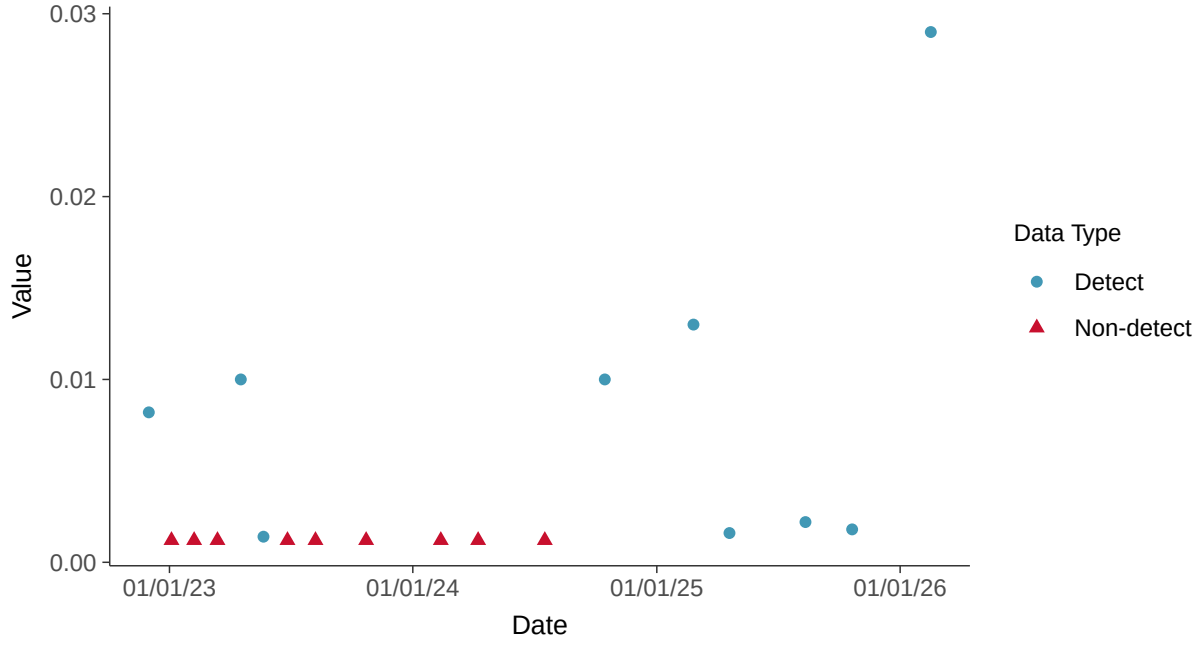


Part 115: Zinc, MW-31

ID: 41_1_5_129

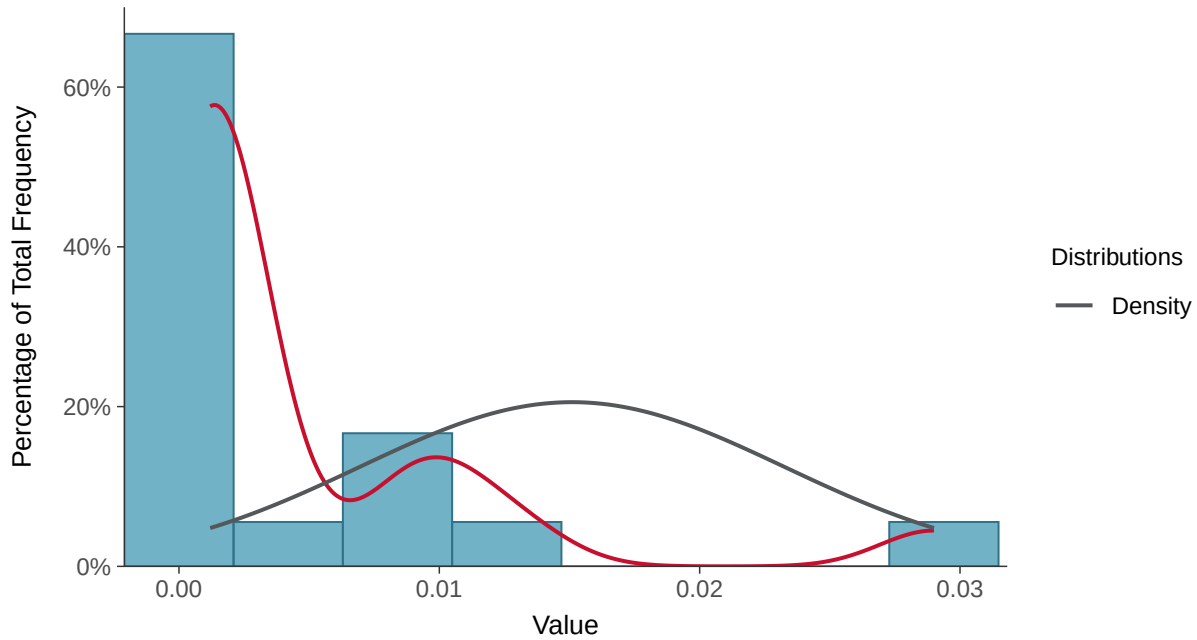
Scatter Plot

Zinc, MW-31 (mg/L)



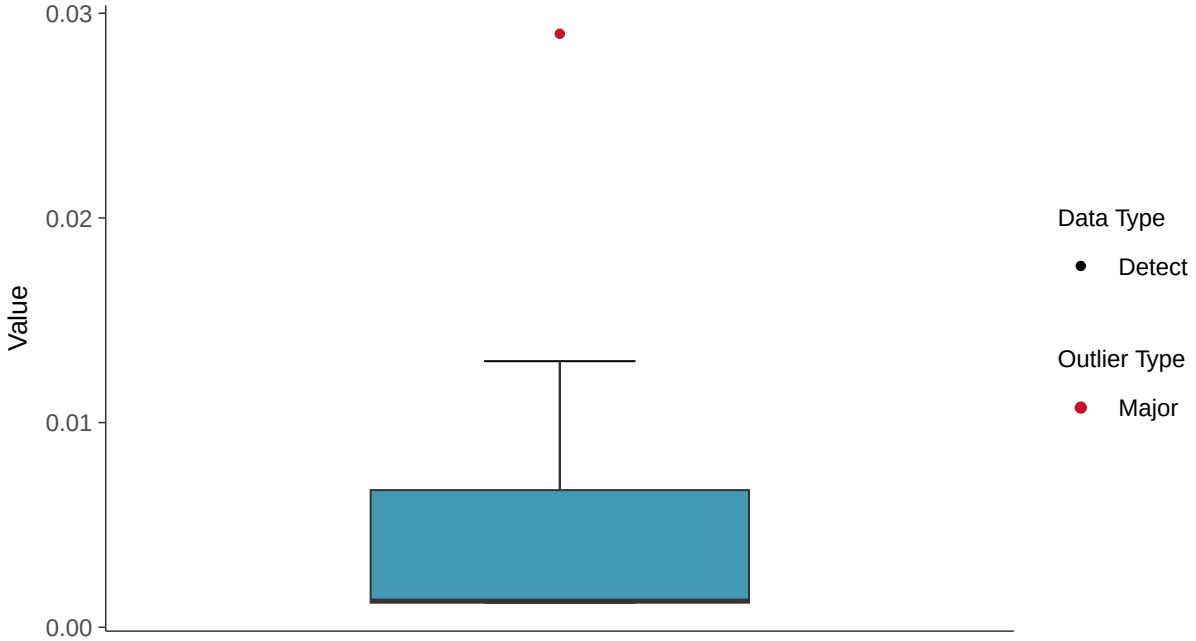
Histogram

Zinc, MW-31 (mg/L)



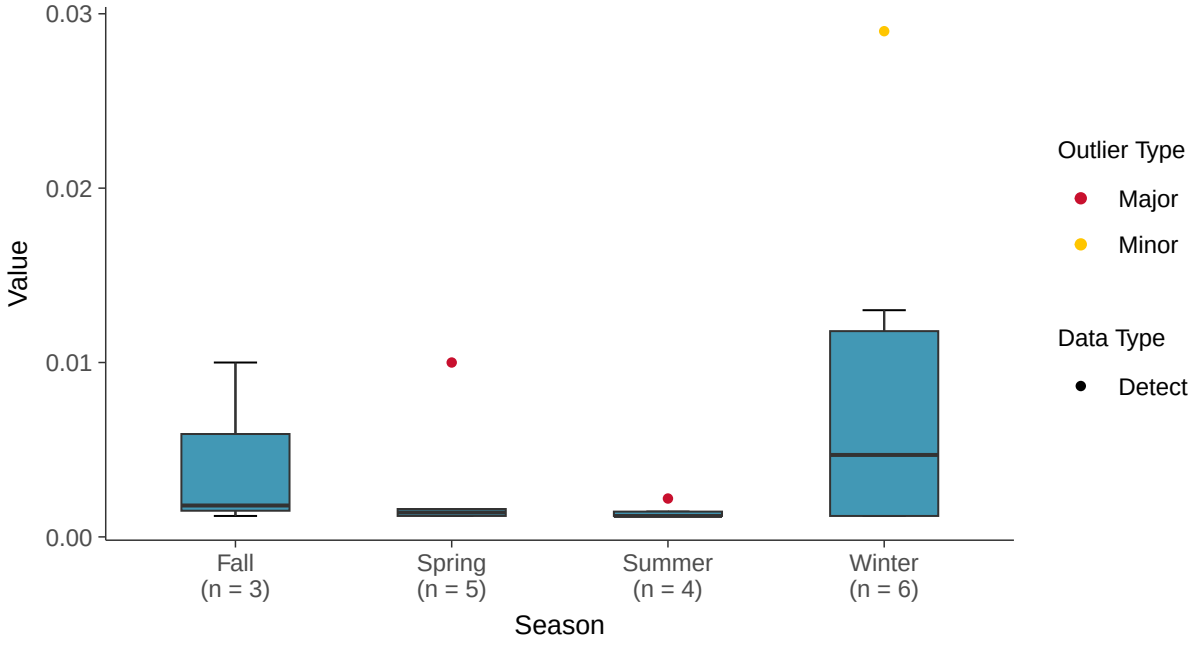
Boxplot

Zinc, MW-31 (mg/L)



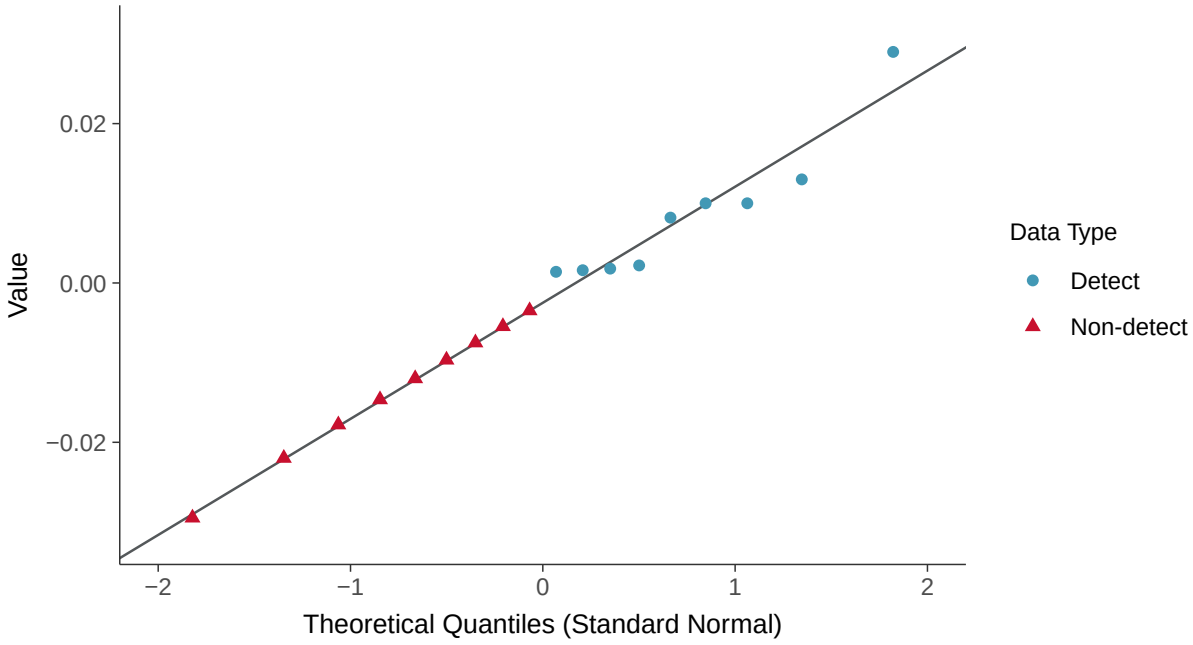
Boxplot by Season

Zinc, MW-31 (mg/L)



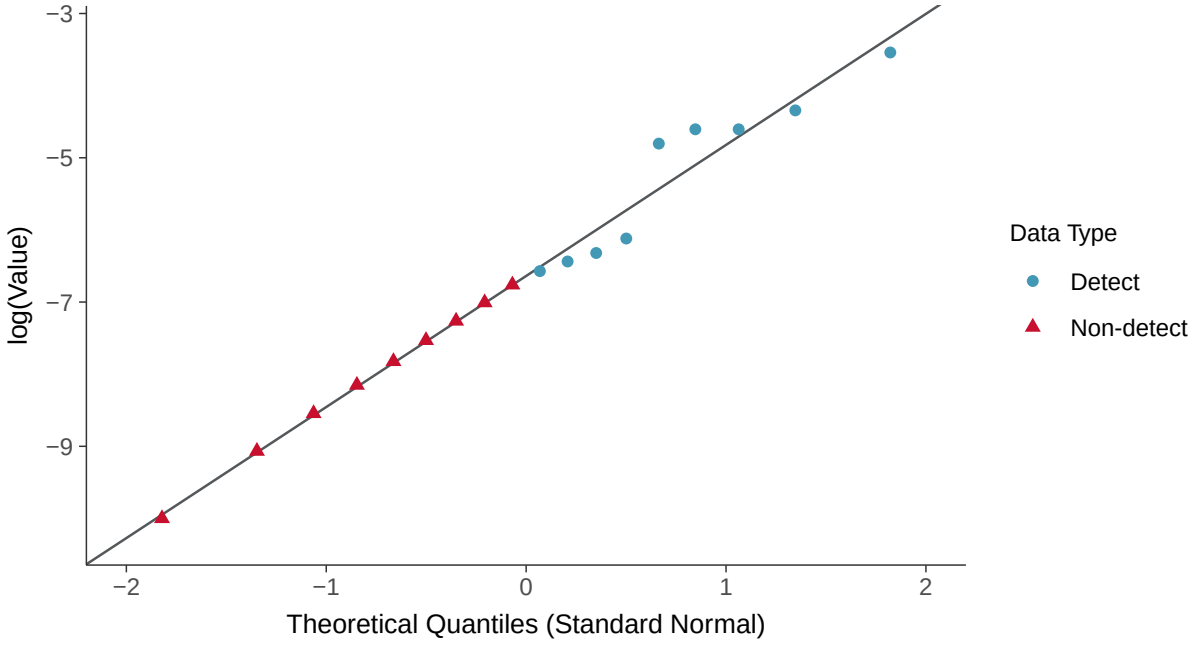
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-31 (mg/L)



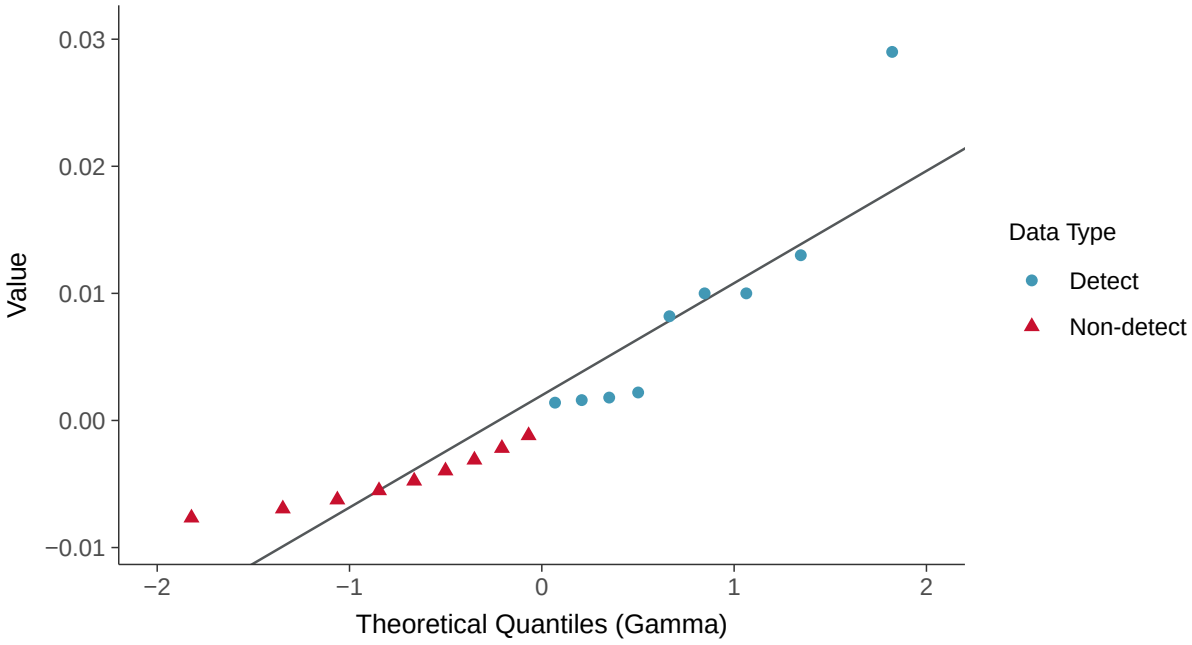
Lognormal Q-Q plot using ROS Imputed Estimates

Zinc, MW-31 (mg/L)



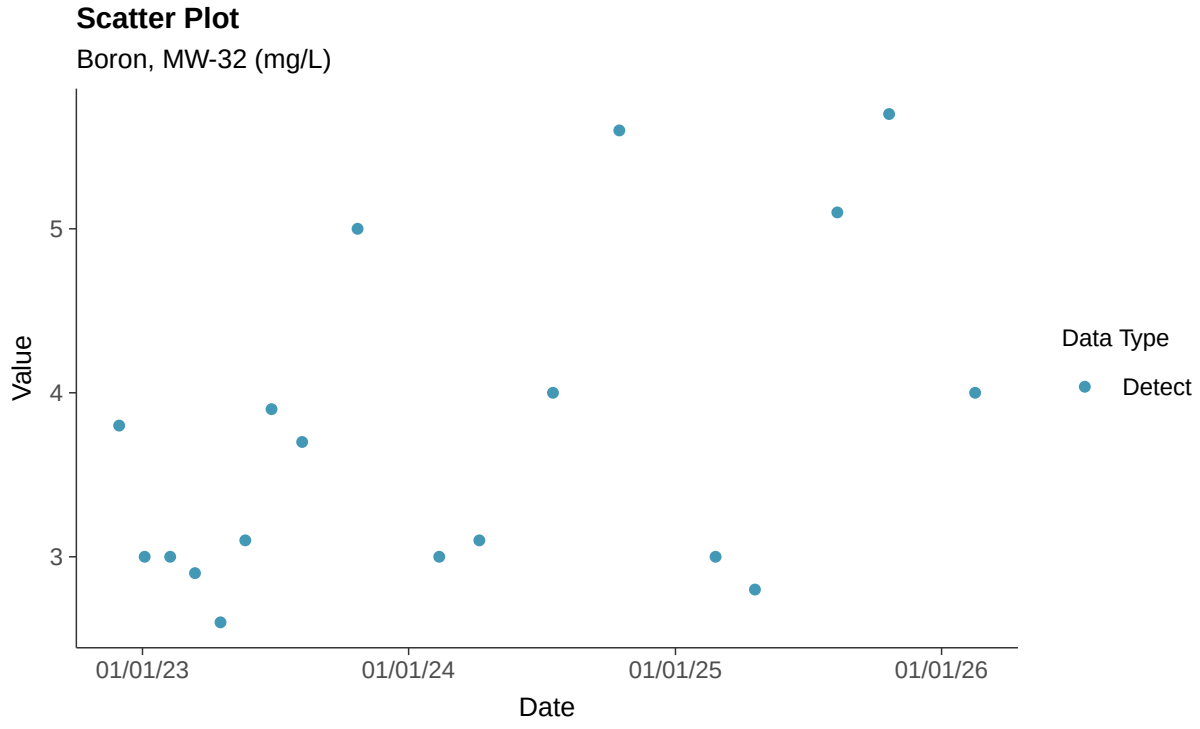
Gamma Q-Q plot using ROS Imputed Estimates

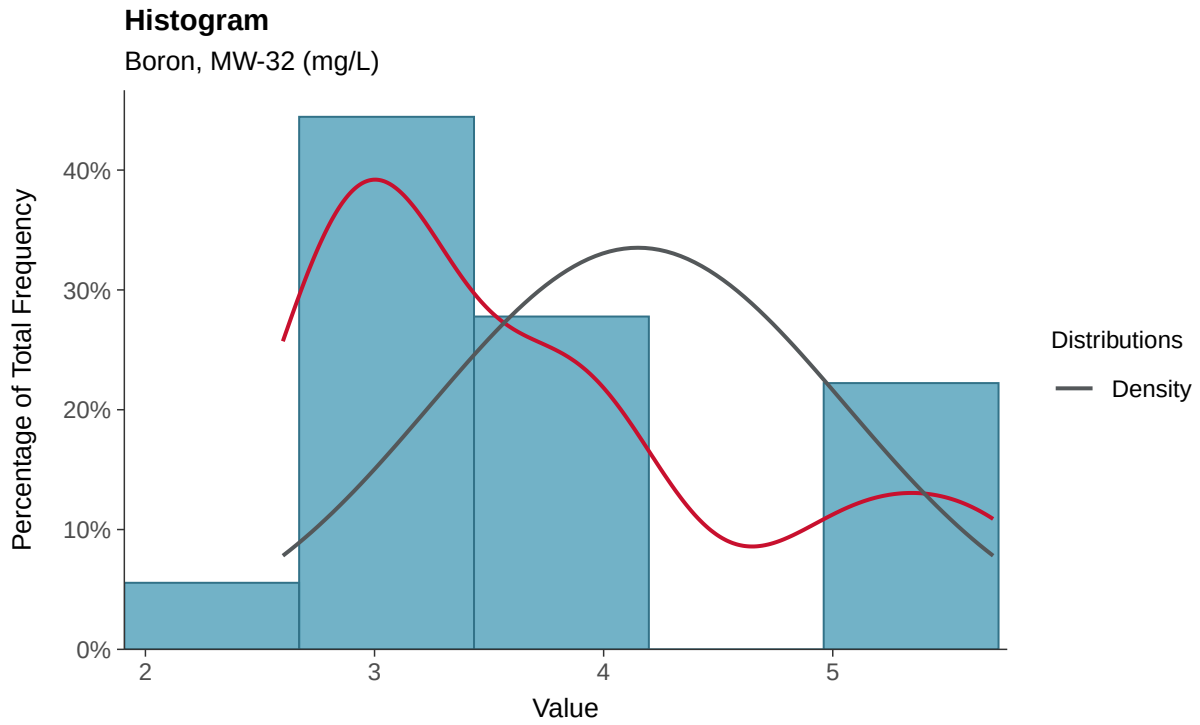
Zinc, MW-31 (mg/L)



Appendix III: Boron, MW-32

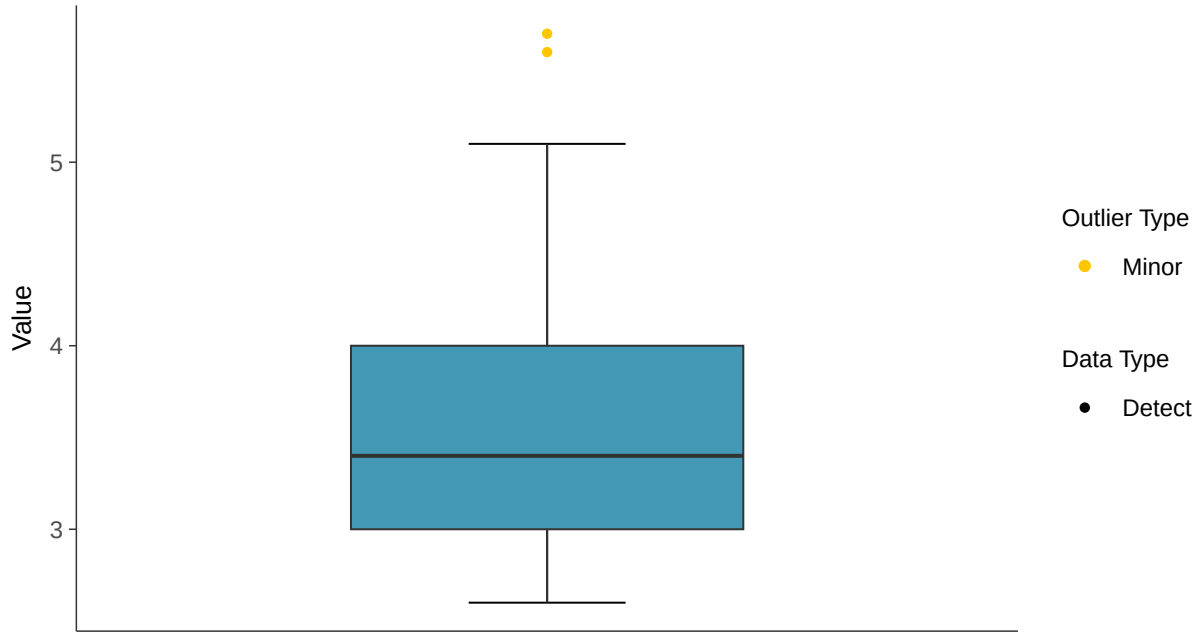
ID: 42_1_3_105





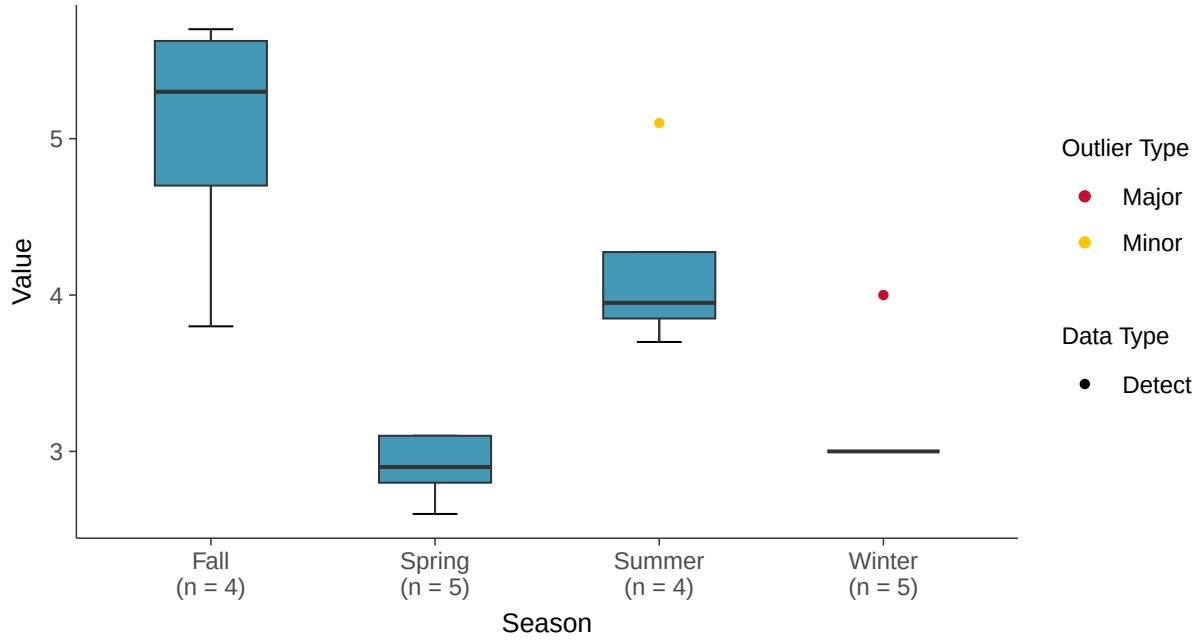
Boxplot

Boron, MW-32 (mg/L)



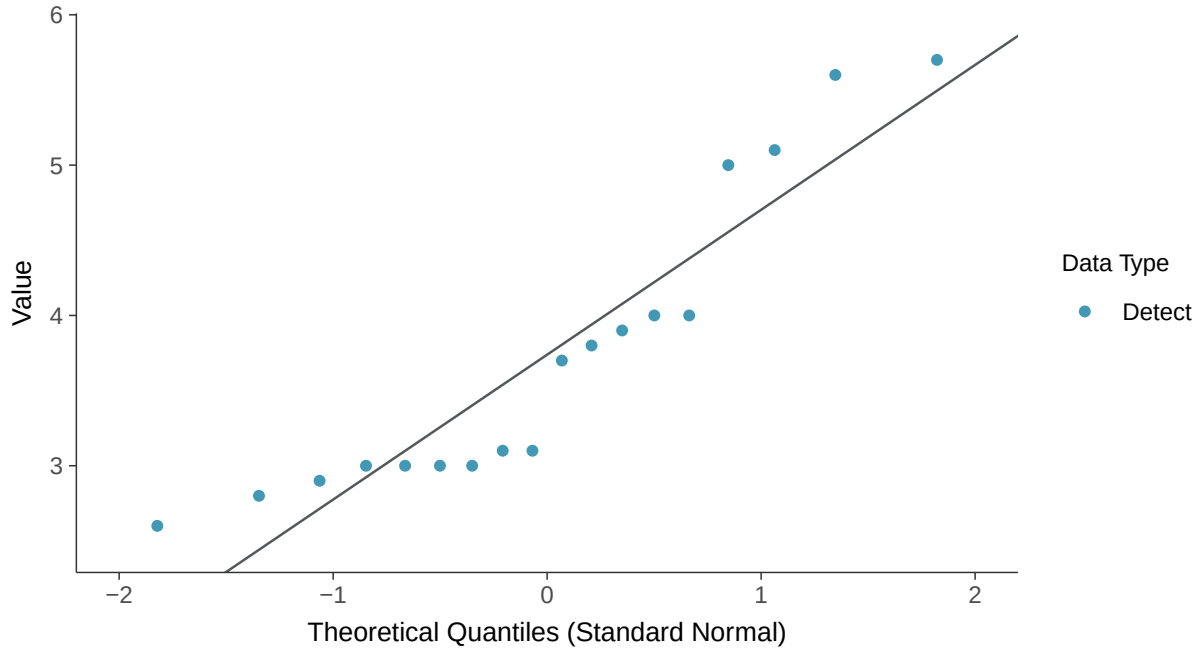
Boxplot by Season

Boron, MW-32 (mg/L)



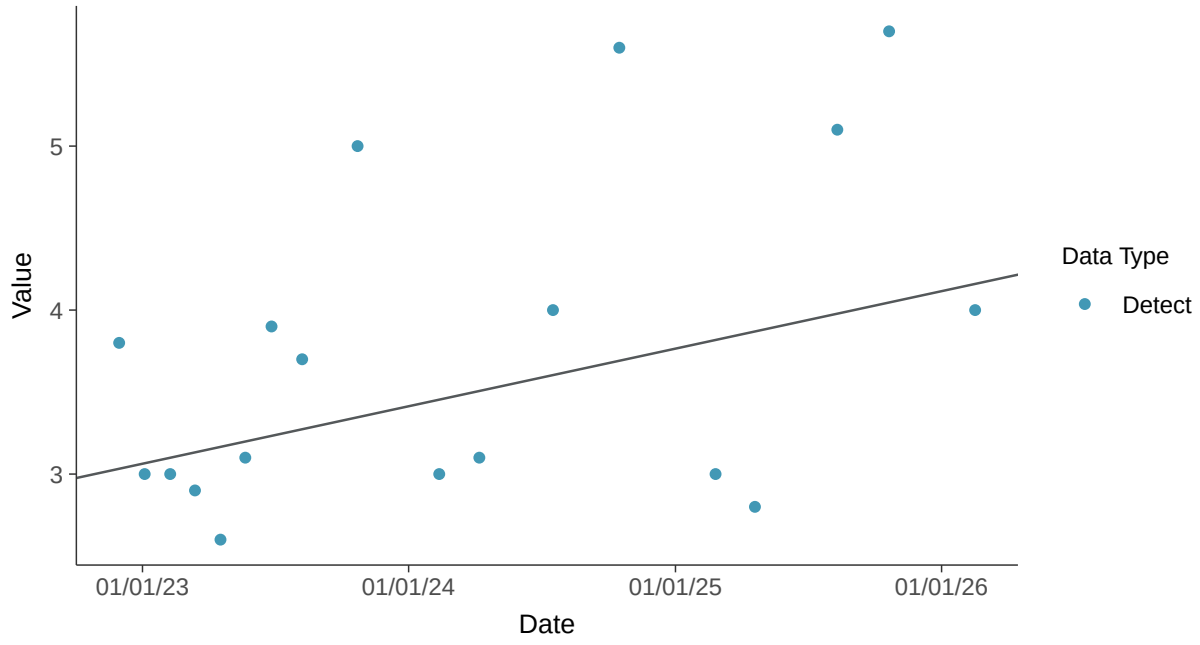
Normal Q-Q plot

Boron, MW-32 (mg/L)



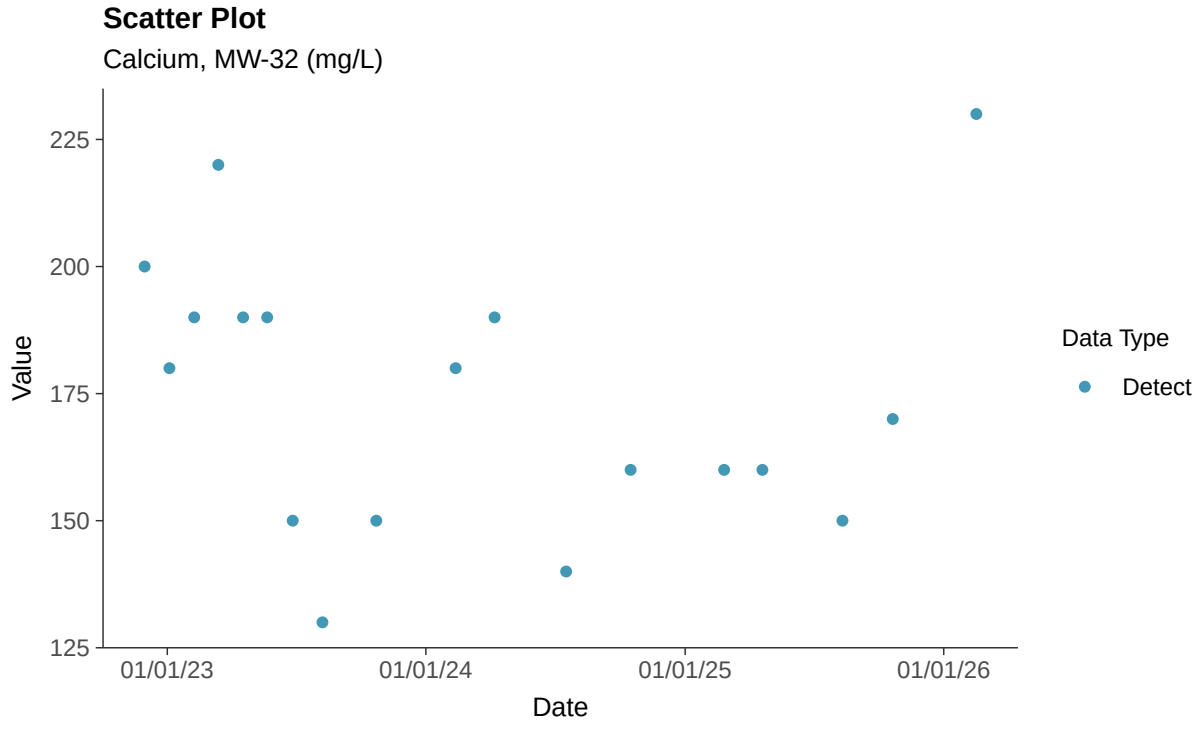
Trend Regression: Mann-Kendall/Theil-Sen Estimate

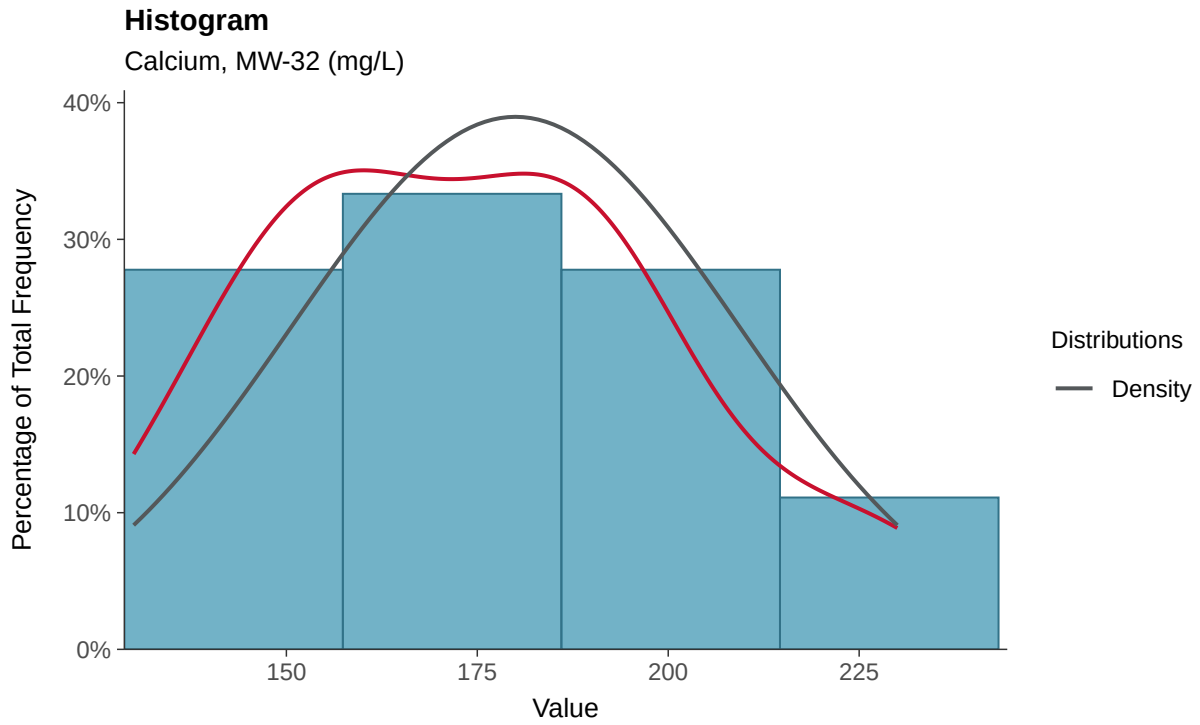
Boron, MW-32 (mg/L)



Appendix III: Calcium, MW-32

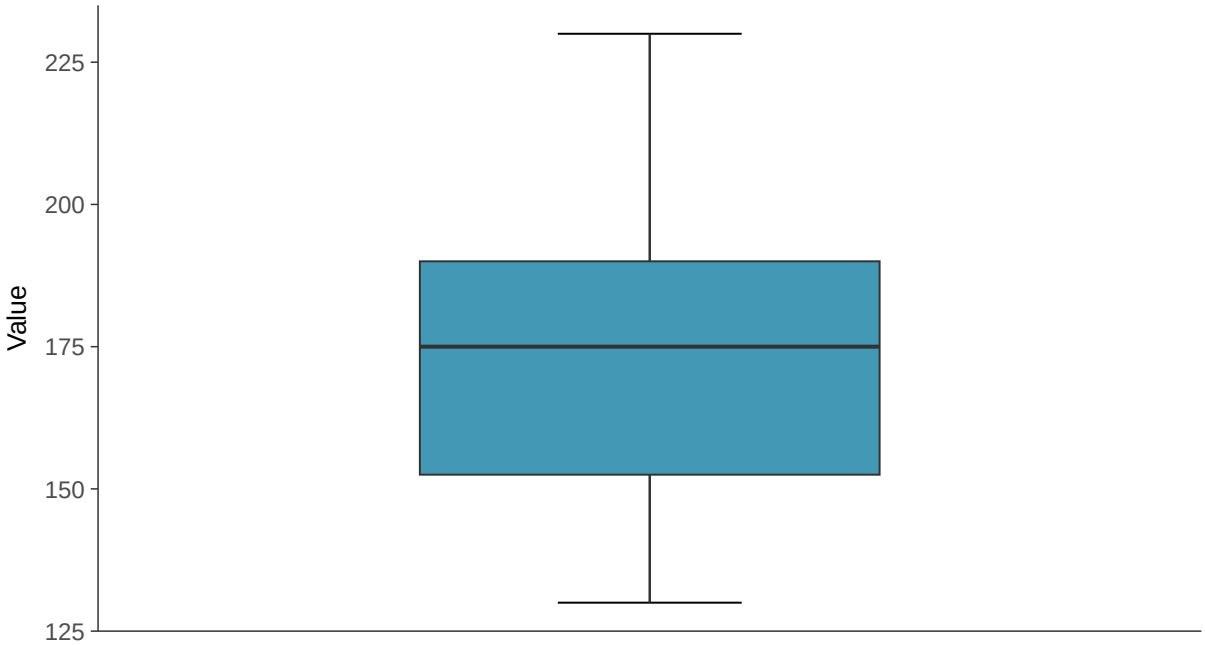
ID: 42_1_3_107





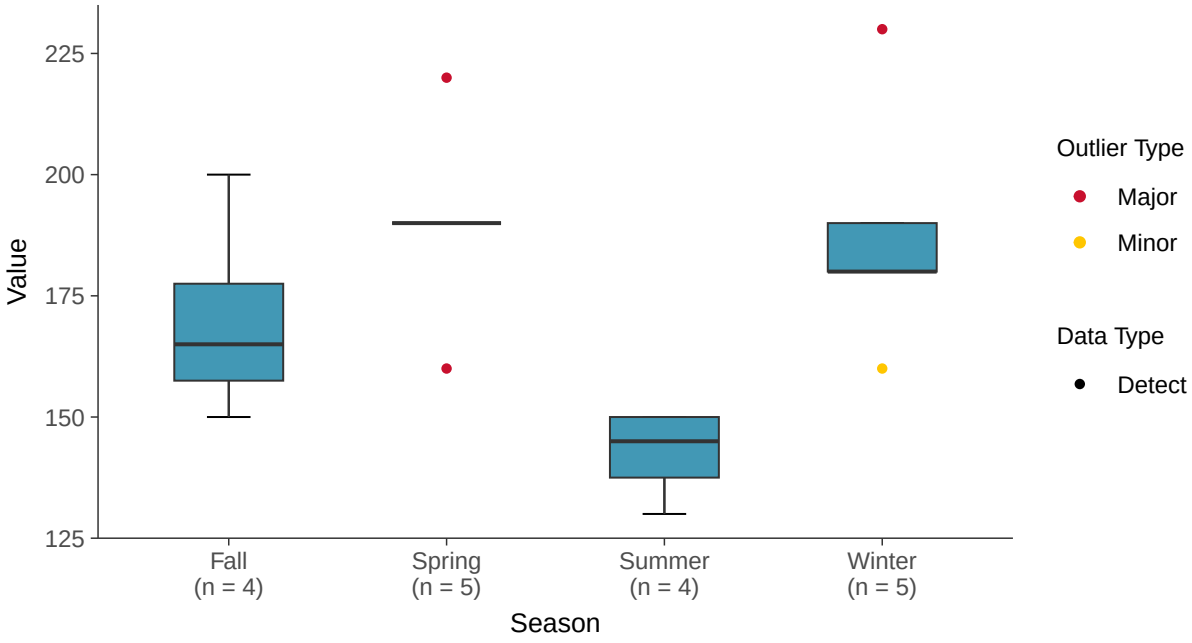
Boxplot

Calcium, MW-32 (mg/L)



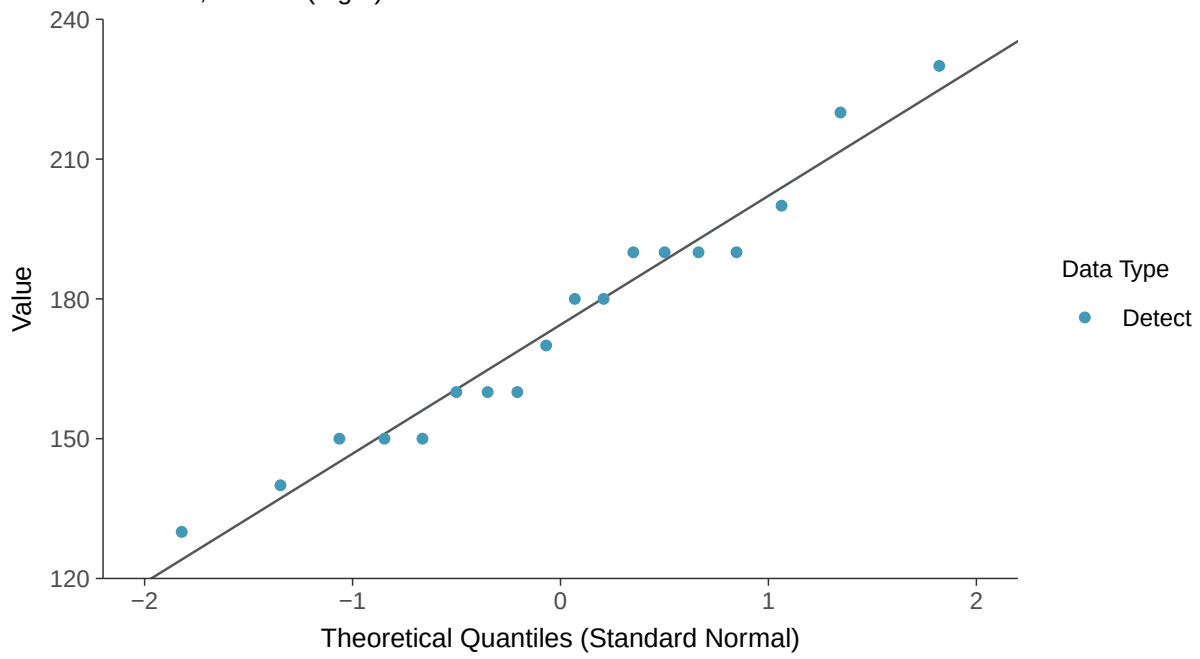
Boxplot by Season

Calcium, MW-32 (mg/L)



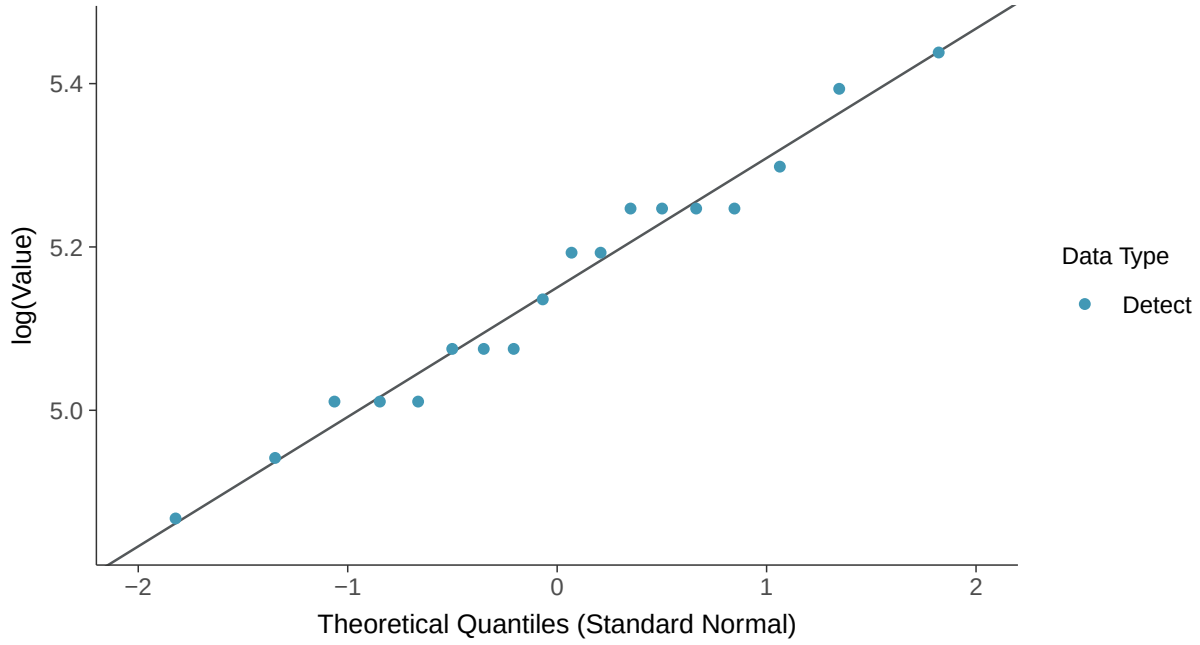
Normal Q-Q plot

Calcium, MW-32 (mg/L)



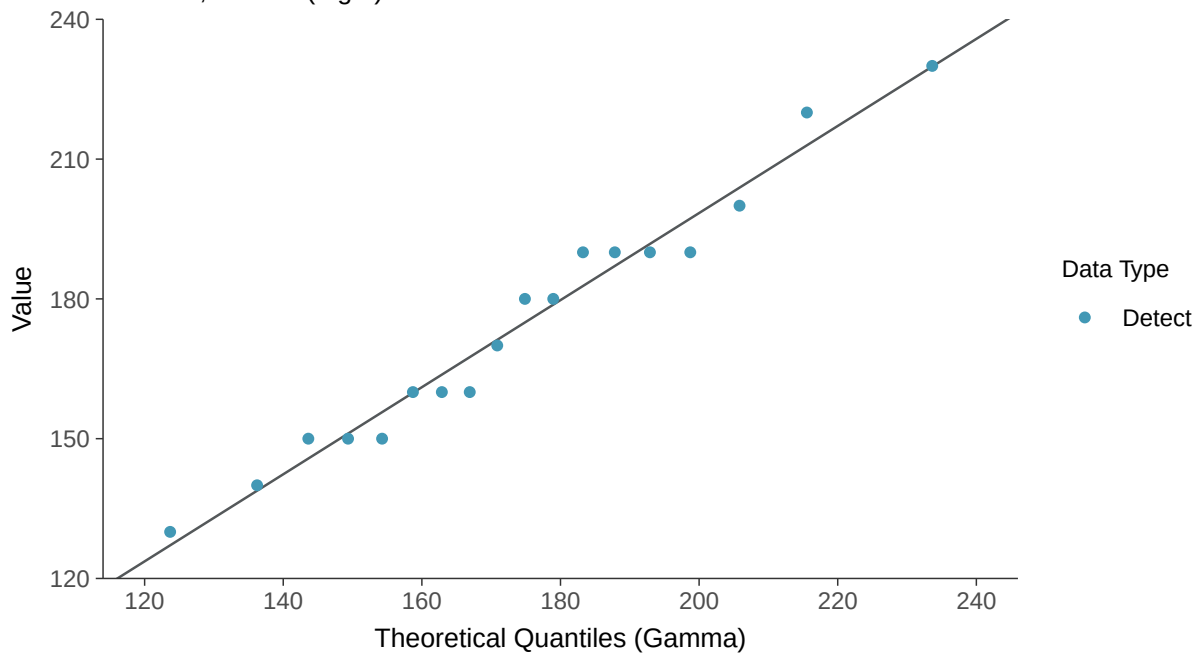
Lognormal Q-Q plot

Calcium, MW-32 (mg/L)



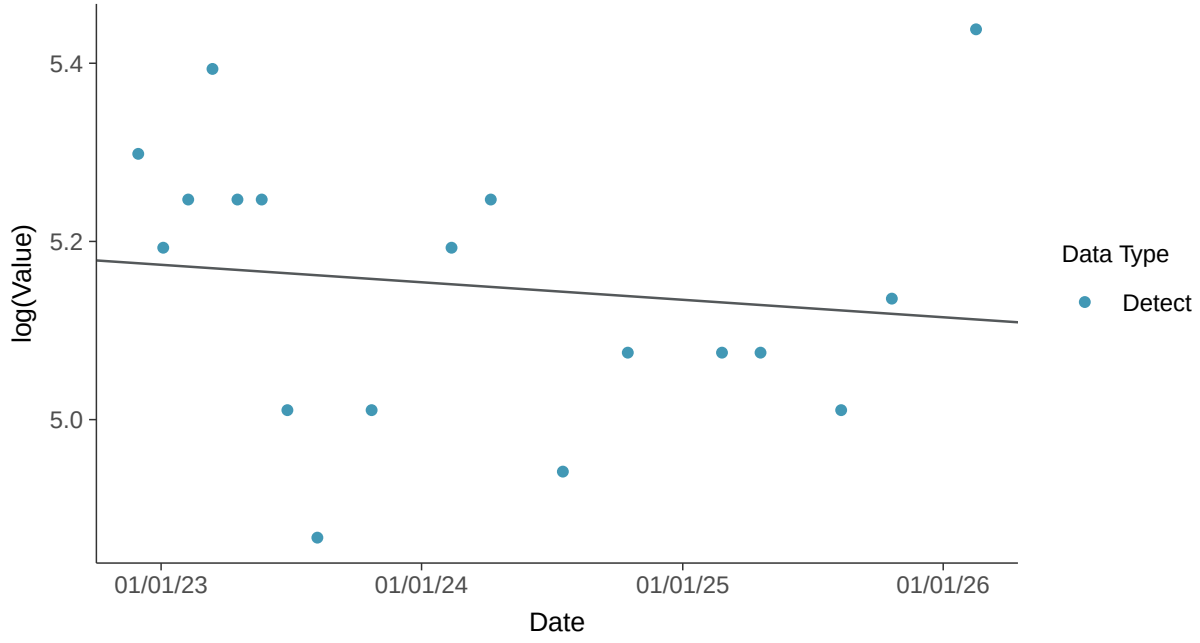
Gamma Q-Q plot

Calcium, MW-32 (mg/L)



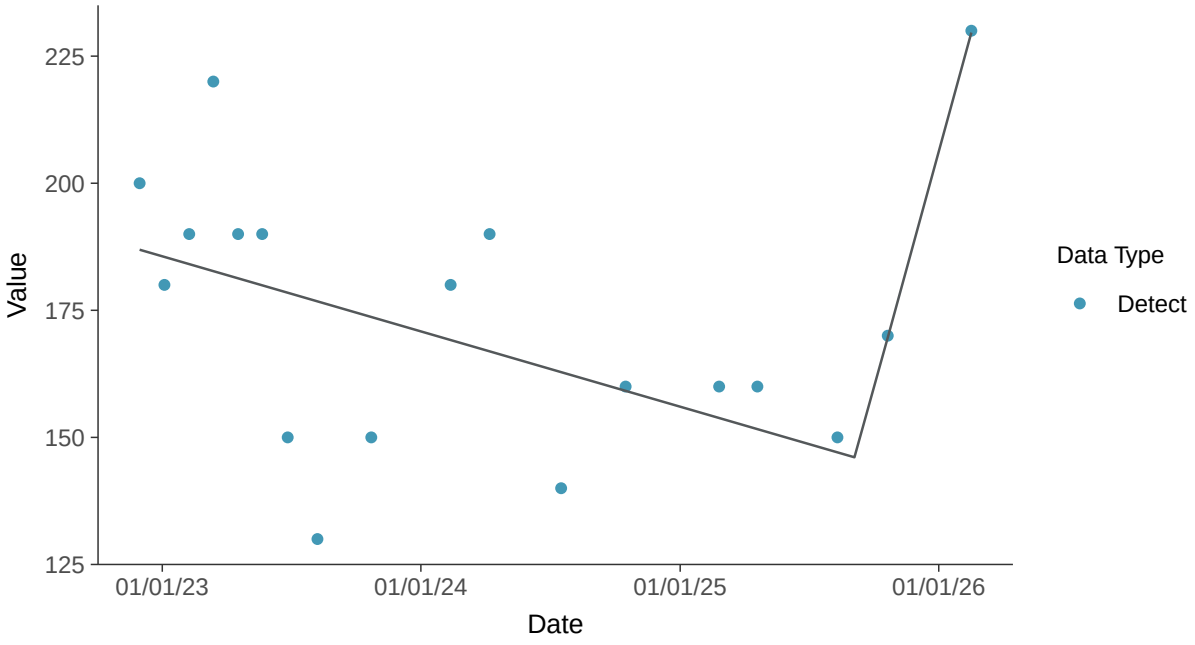
Trend Regression: Lognormal MLE

Calcium, MW-32 (mg/L)



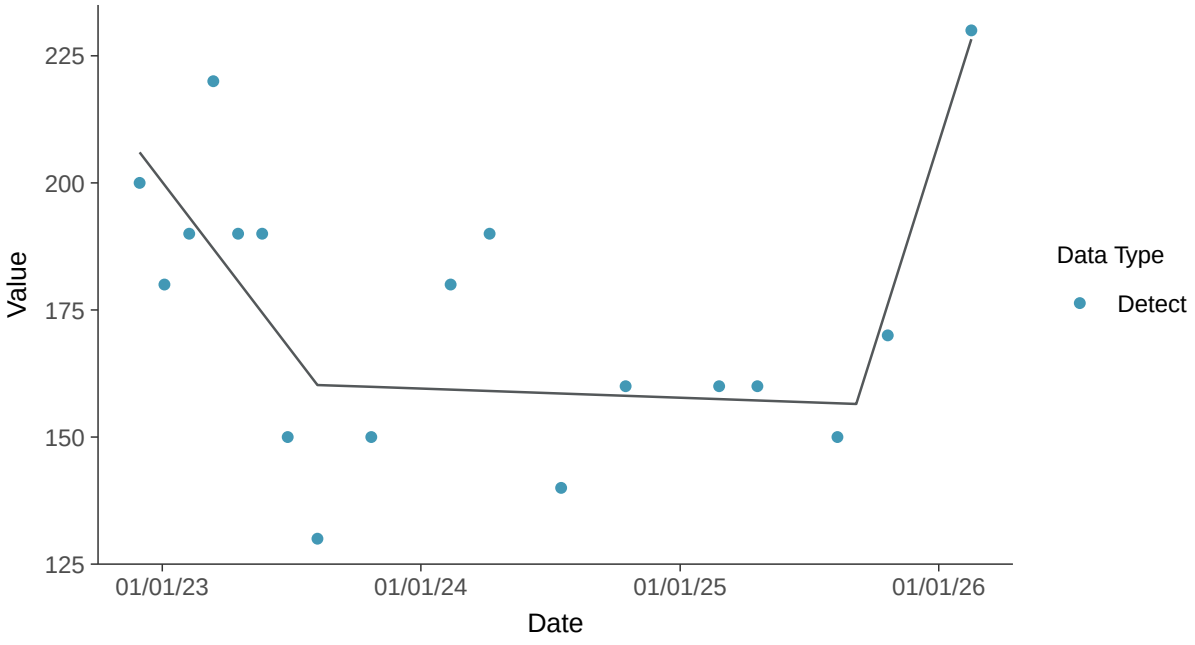
Trend Regression: Piecewise Linear-Linear

Calcium, MW-32 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Calcium, MW-32 (mg/L)

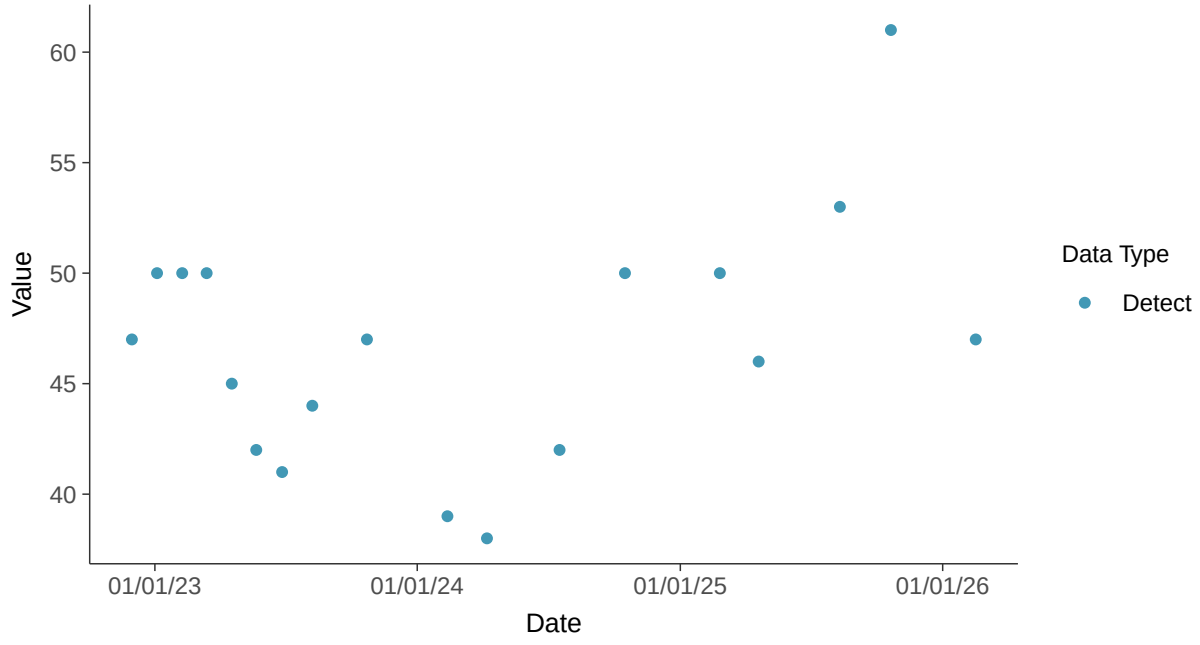


Appendix III: Chloride (as Cl), MW-32

ID: 42_1_3_108

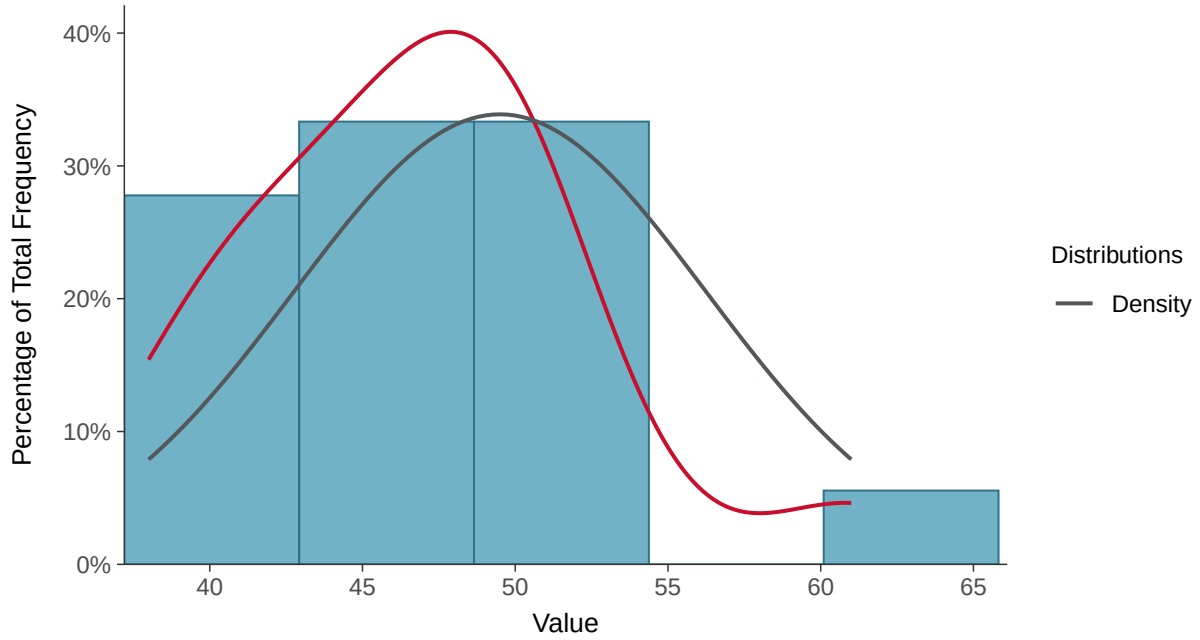
Scatter Plot

Chloride (as Cl), MW-32 (mg/L)



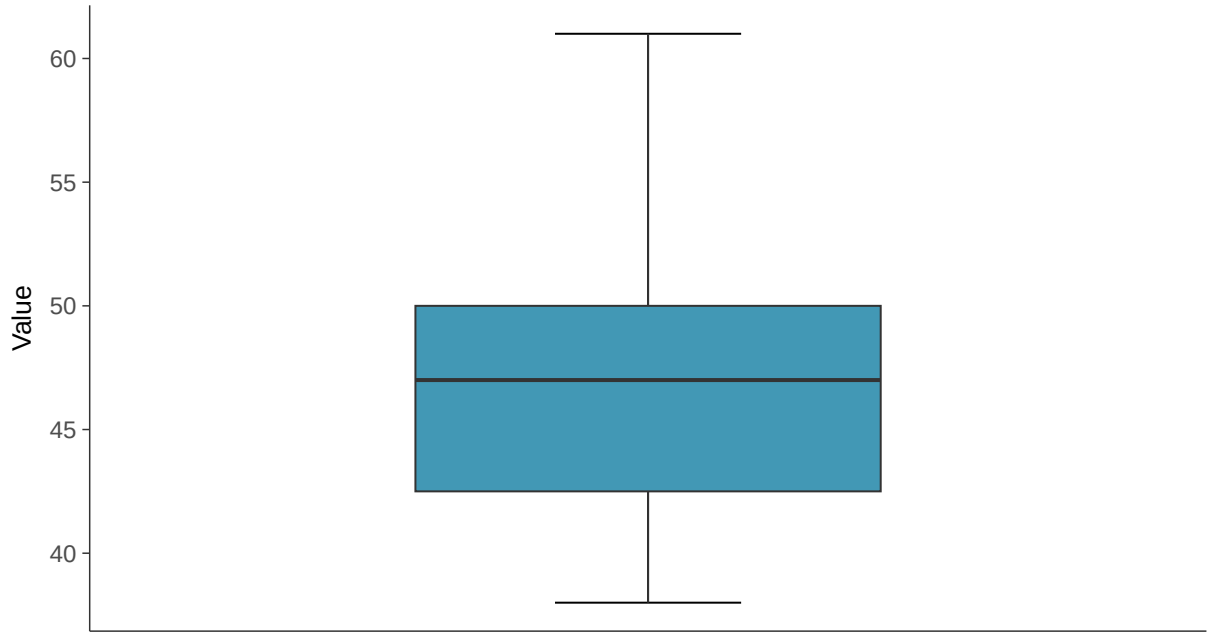
Histogram

Chloride (as Cl), MW-32 (mg/L)



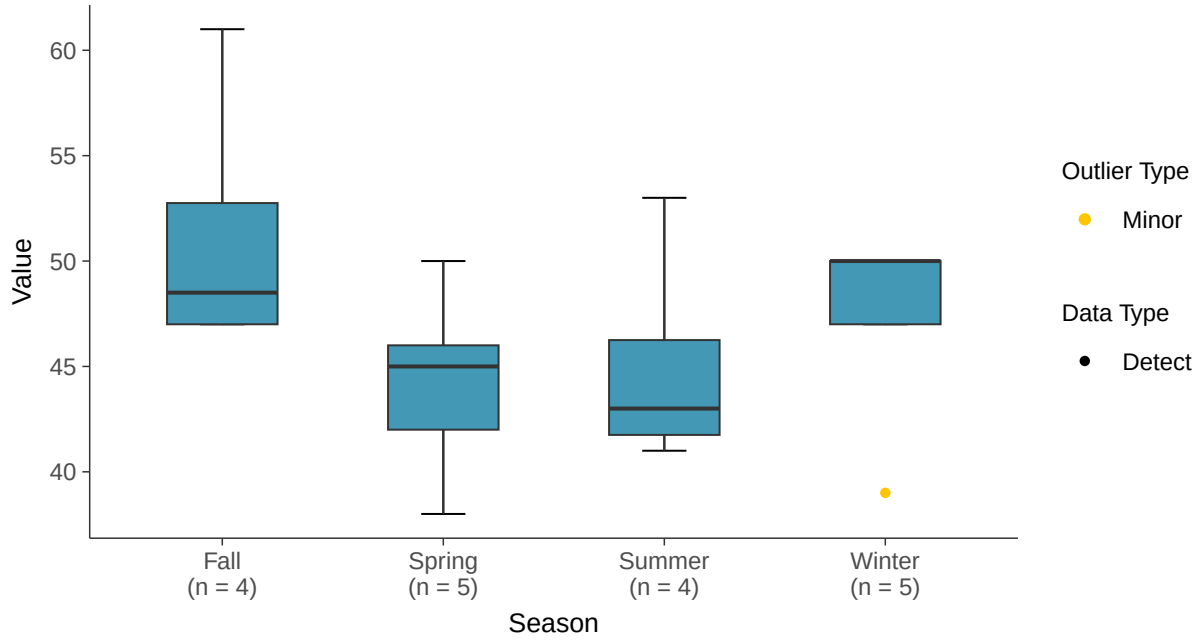
Boxplot

Chloride (as Cl), MW-32 (mg/L)



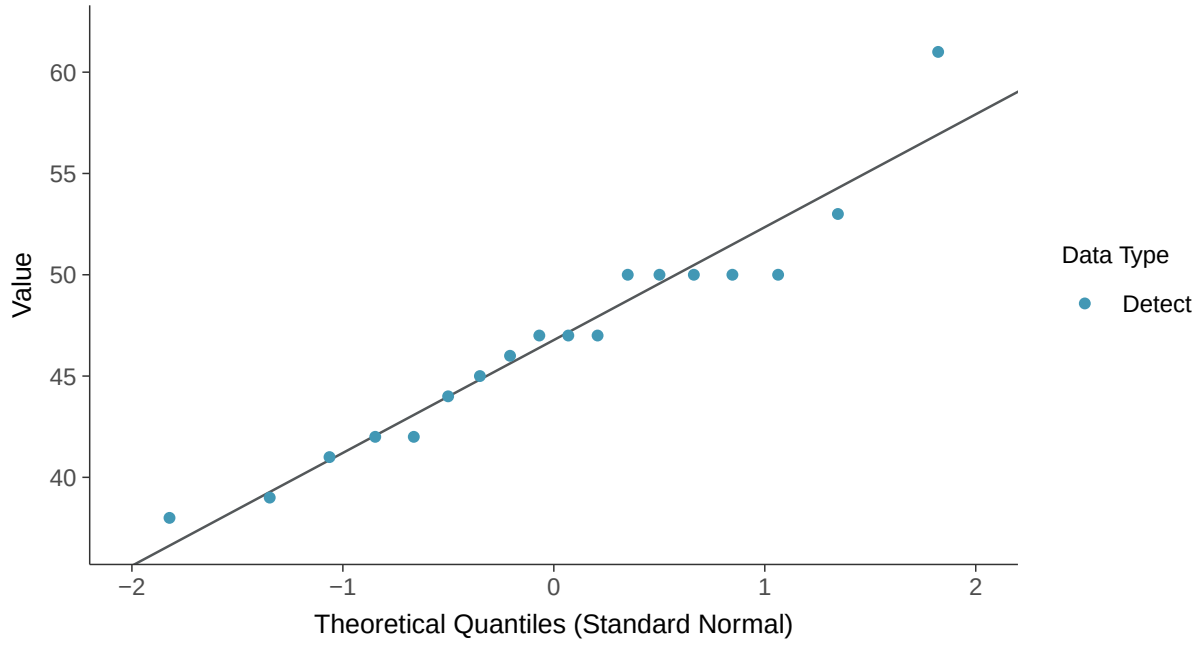
Boxplot by Season

Chloride (as Cl), MW-32 (mg/L)



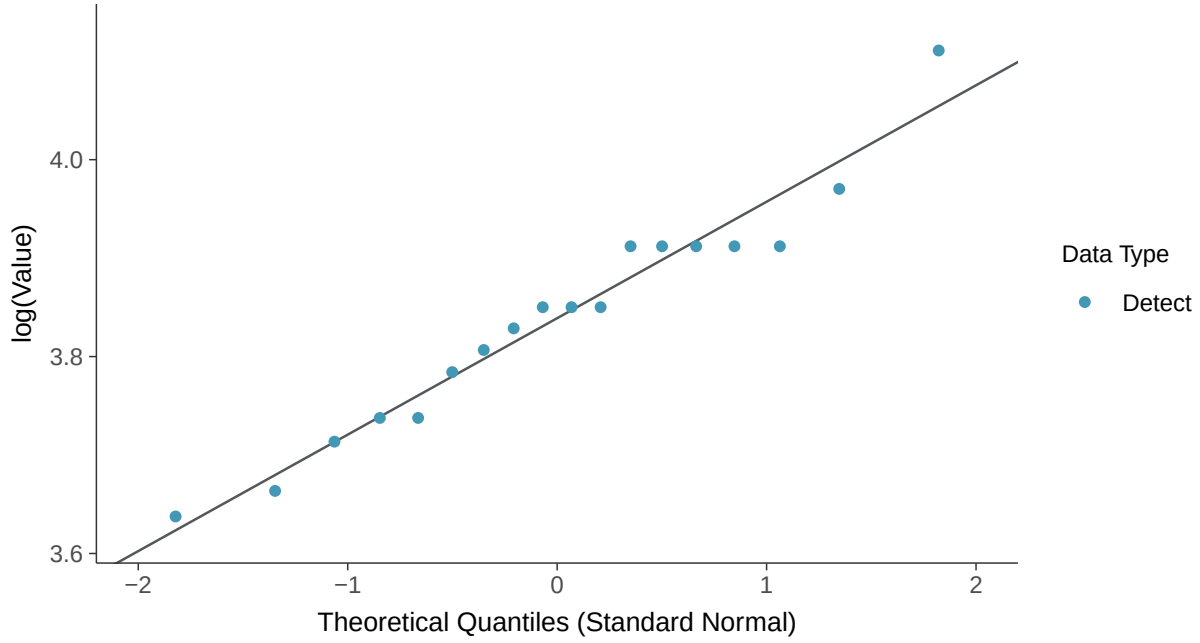
Normal Q-Q plot

Chloride (as Cl), MW-32 (mg/L)



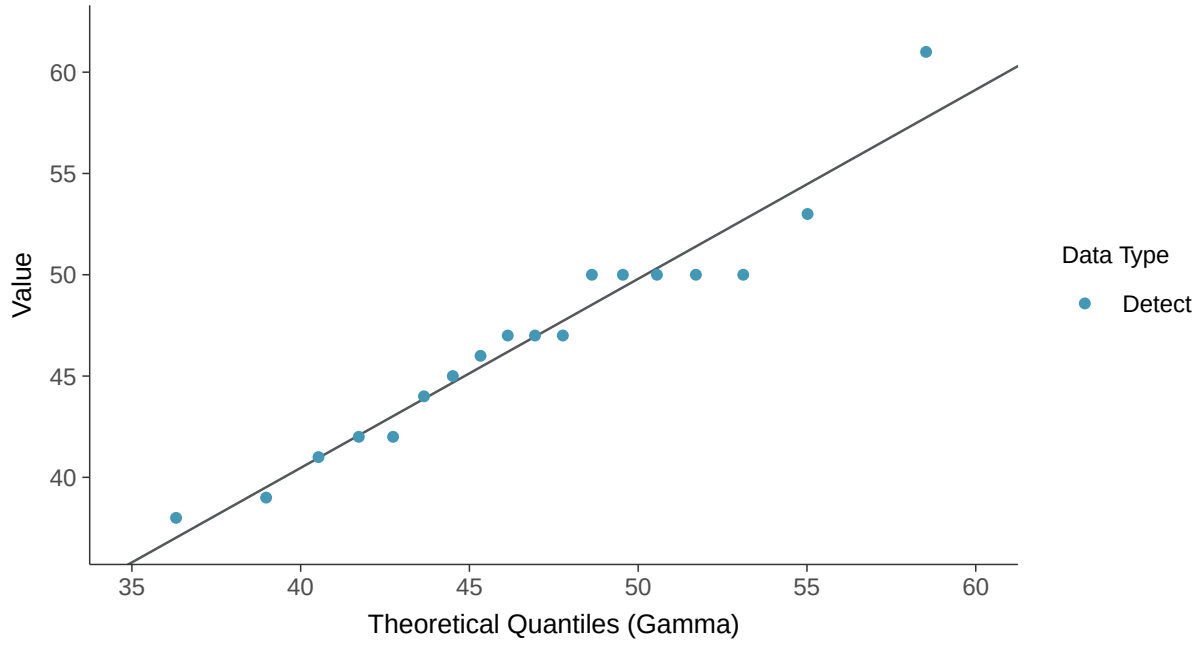
Lognormal Q-Q plot

Chloride (as Cl), MW-32 (mg/L)



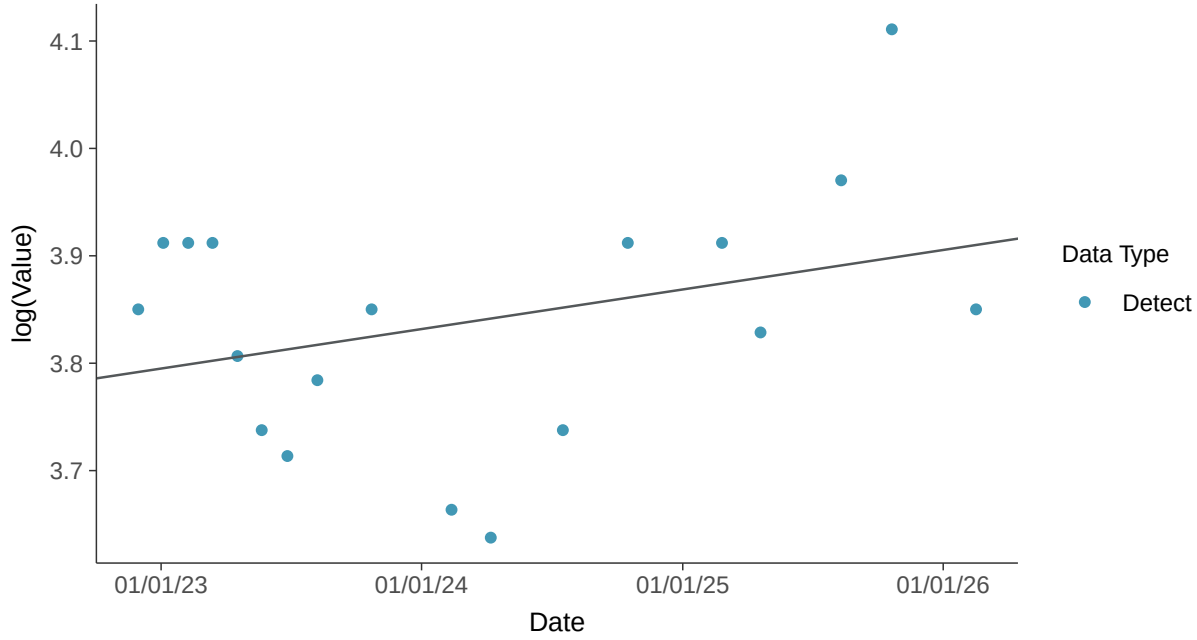
Gamma Q-Q plot

Chloride (as Cl), MW-32 (mg/L)



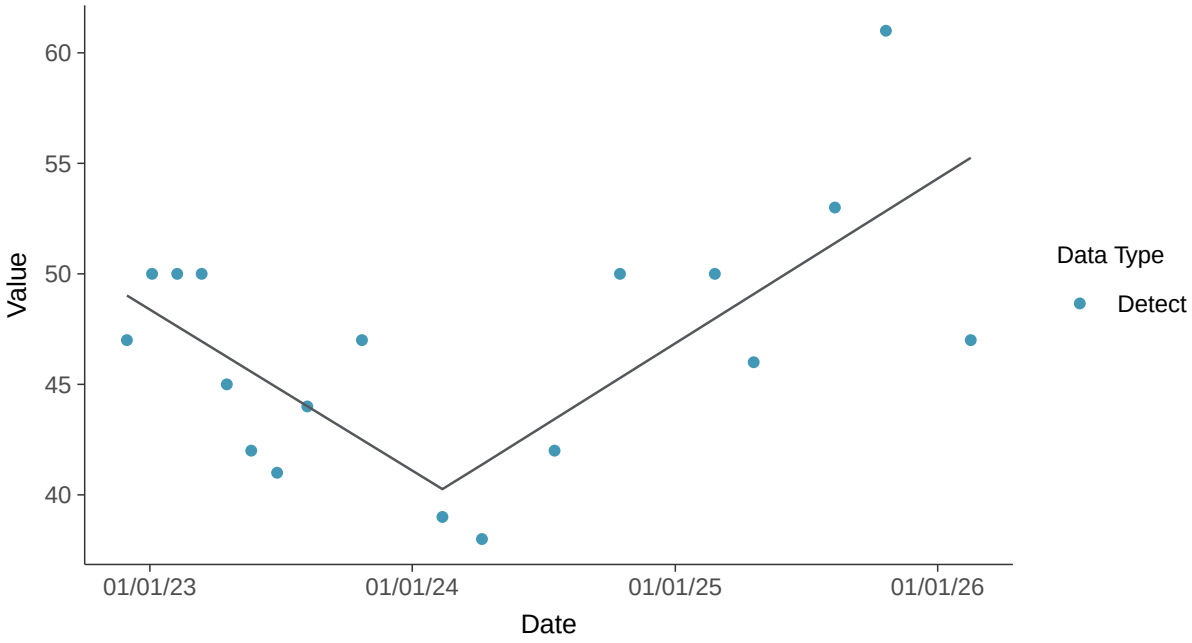
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-32 (mg/L)



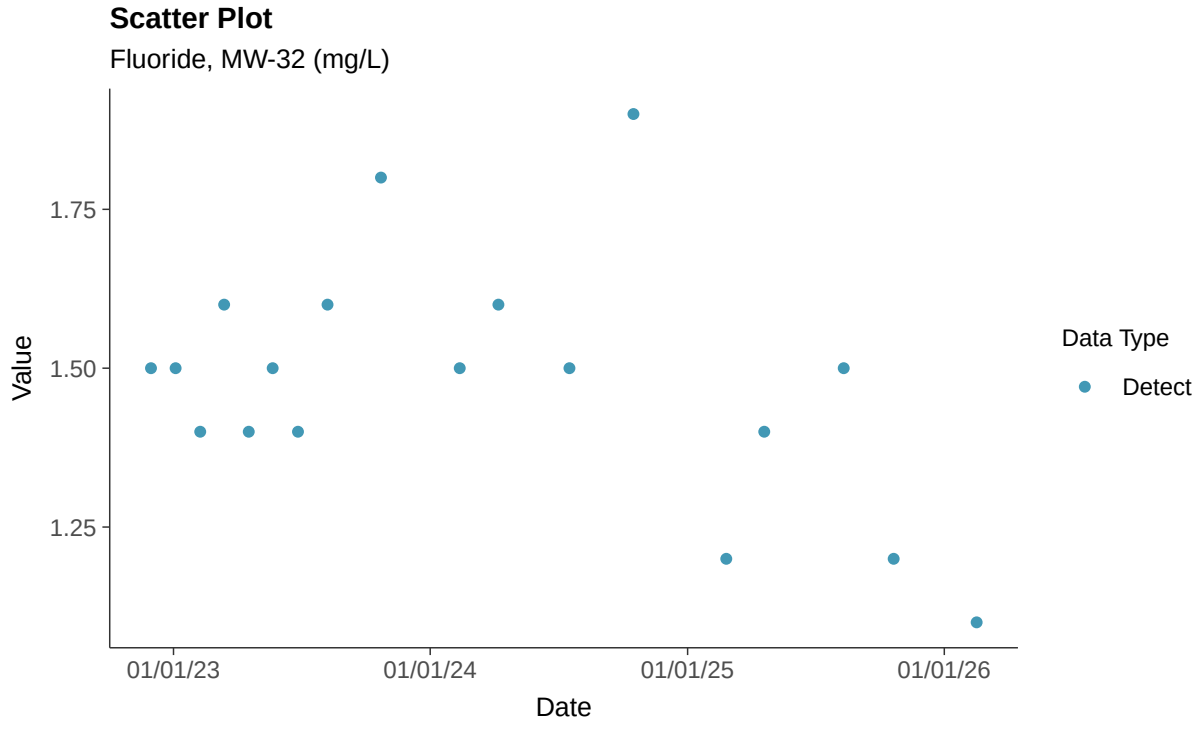
Trend Regression: Piecewise Linear-Linear

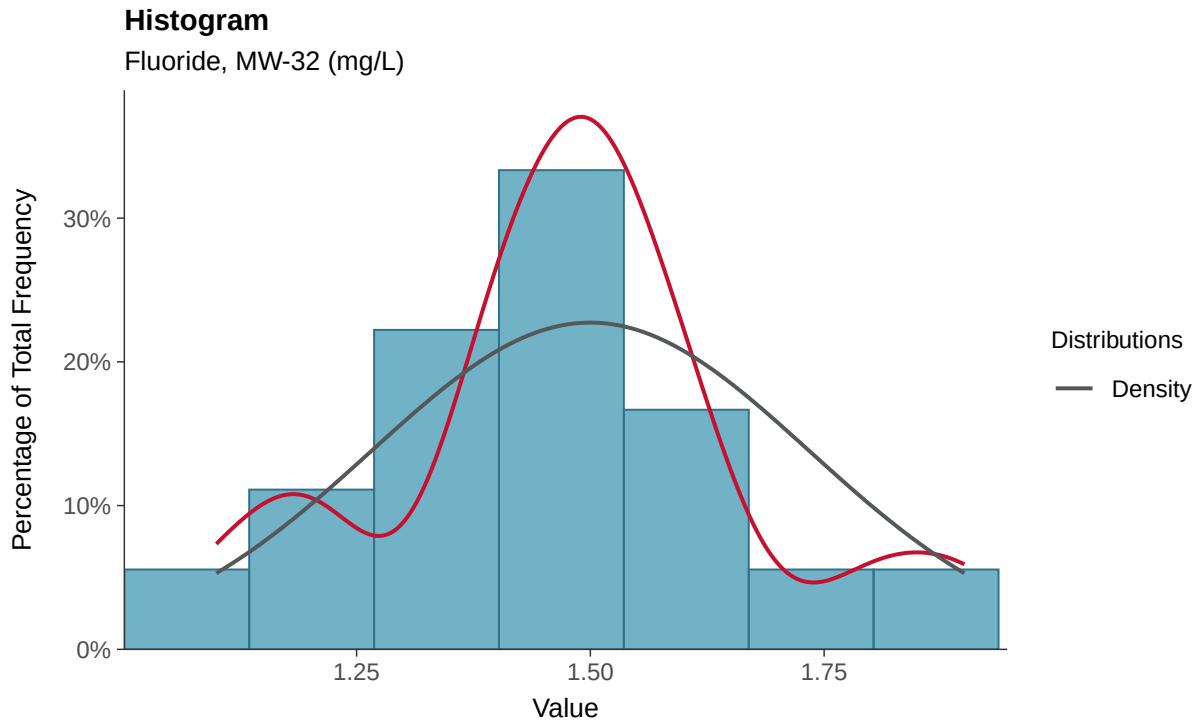
Chloride (as Cl), MW-32 (mg/L)



Appendix III: Fluoride, MW-32

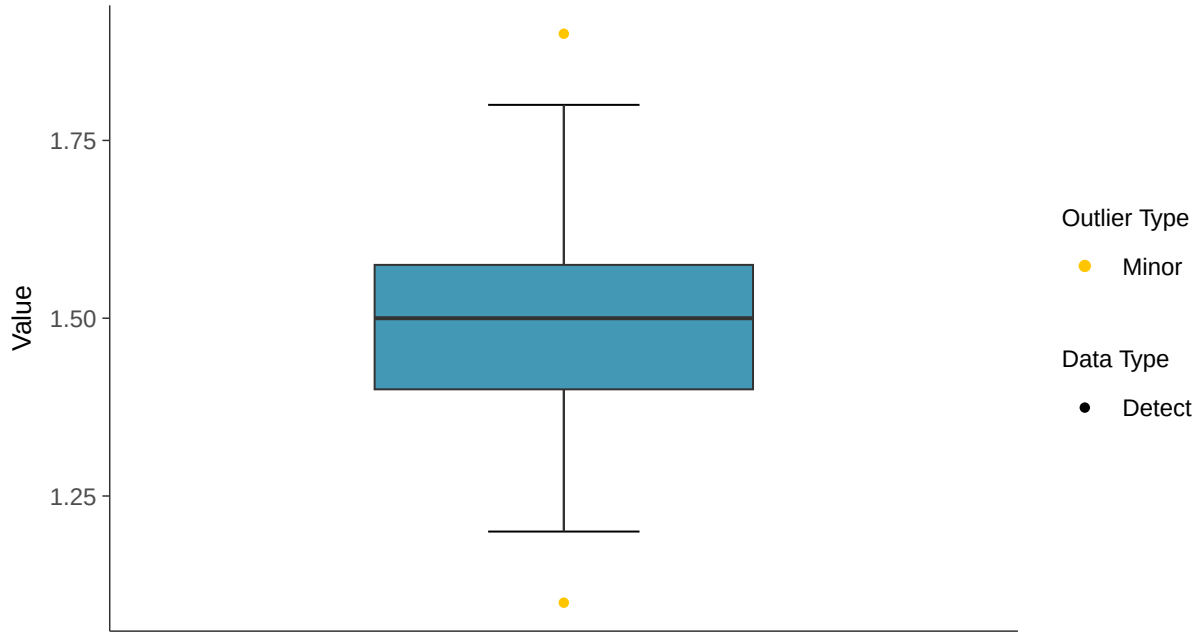
ID: 42_1_3_112





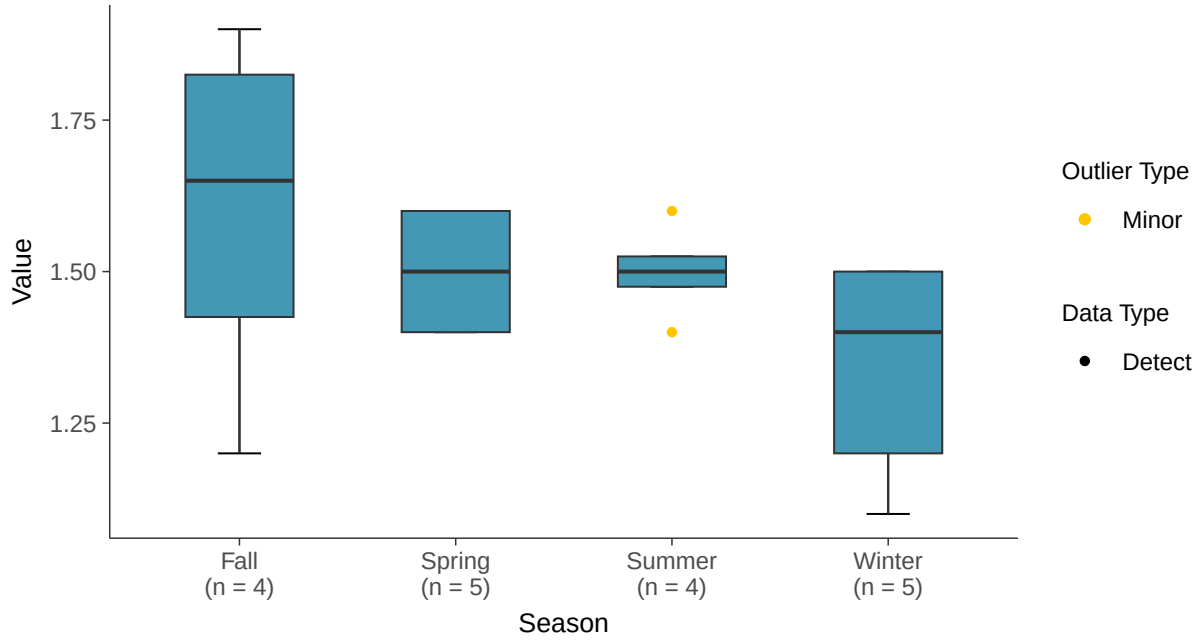
Boxplot

Fluoride, MW-32 (mg/L)



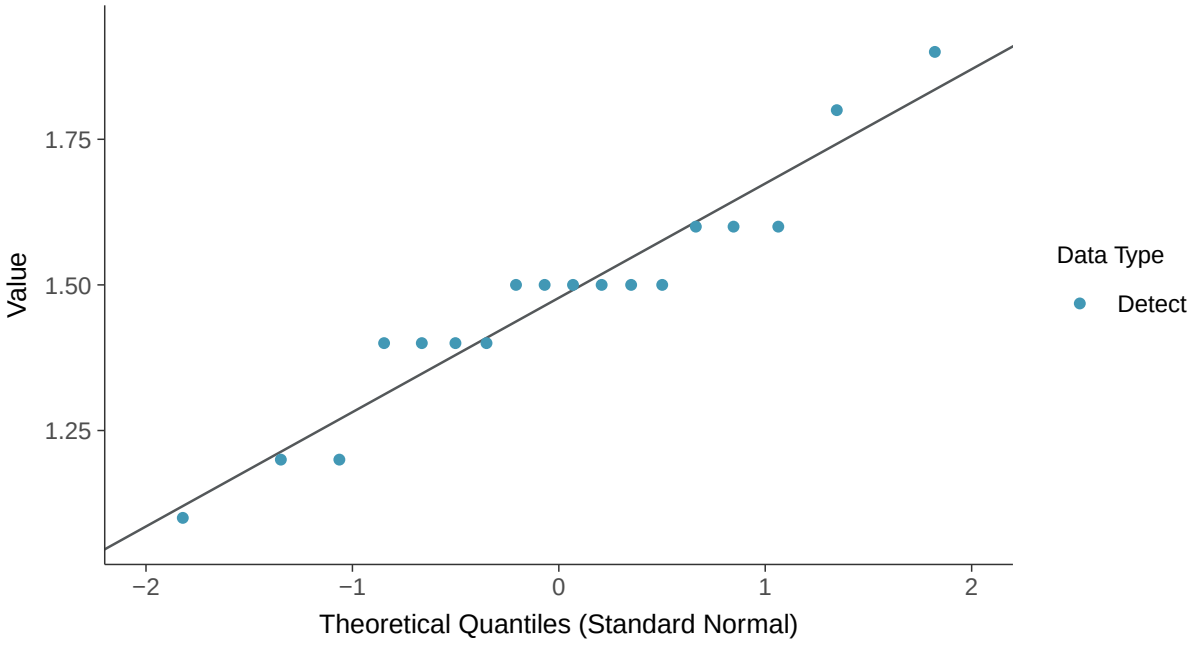
Boxplot by Season

Fluoride, MW-32 (mg/L)



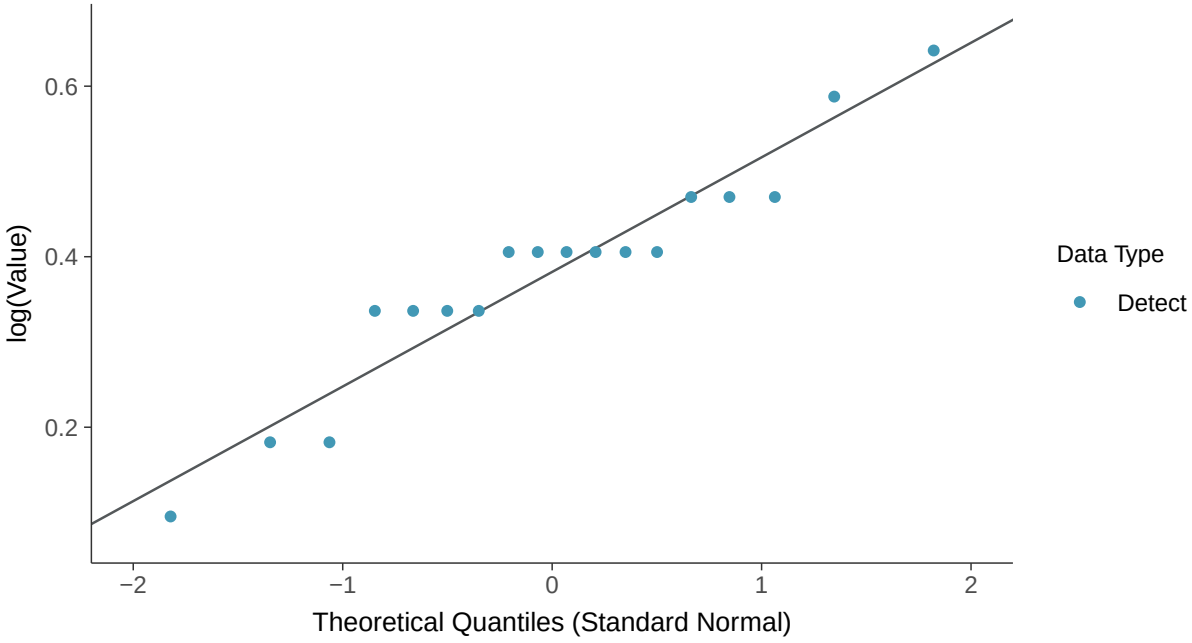
Normal Q-Q plot

Fluoride, MW-32 (mg/L)



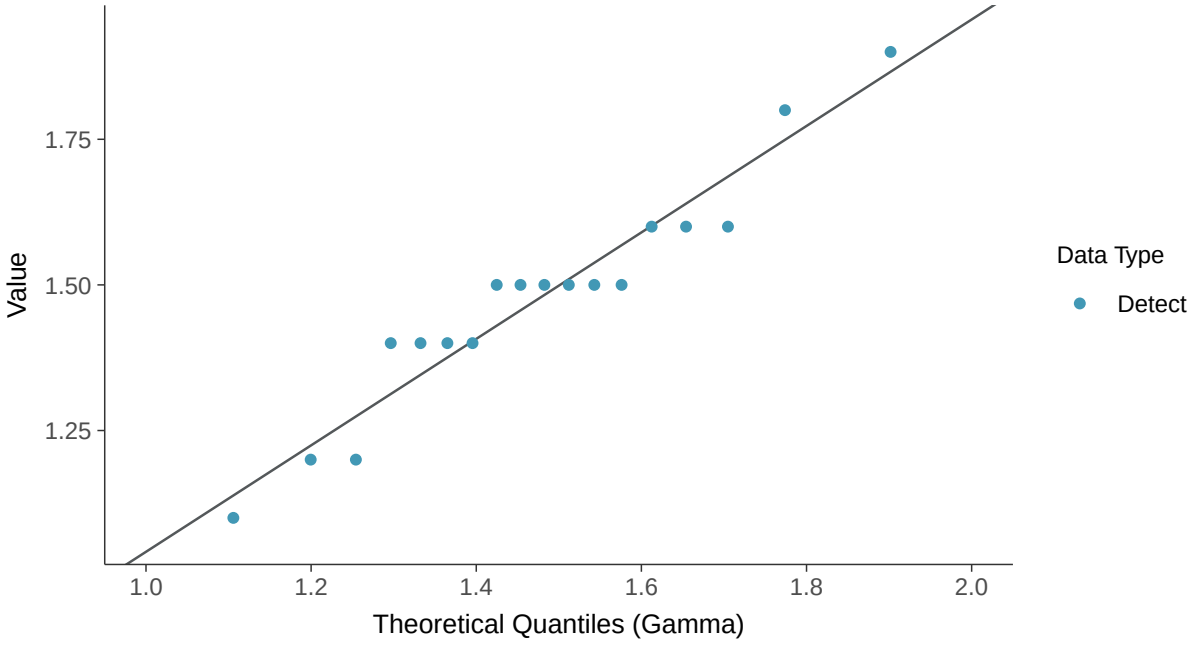
Lognormal Q-Q plot

Fluoride, MW-32 (mg/L)



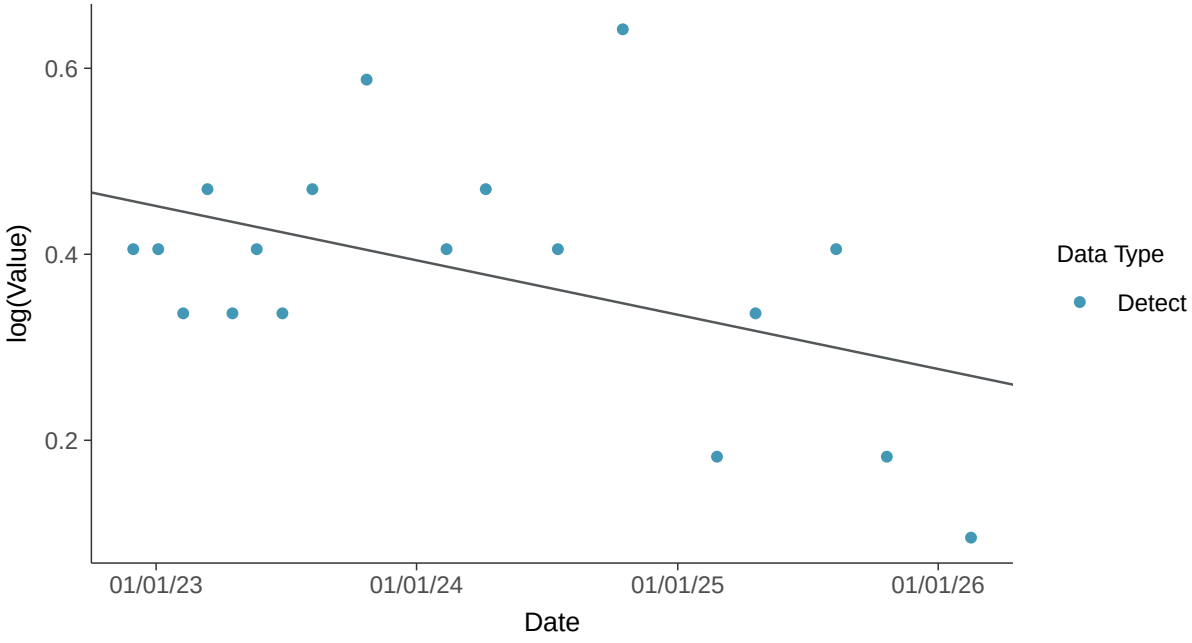
Gamma Q-Q plot

Fluoride, MW-32 (mg/L)



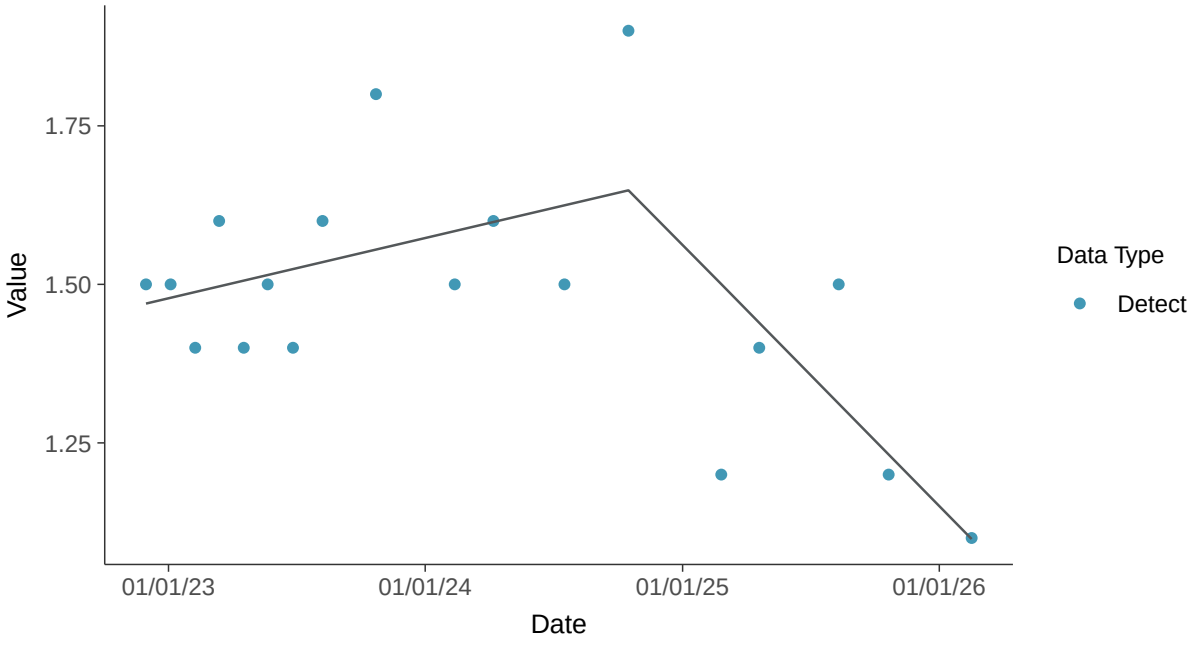
Trend Regression: Lognormal MLE

Fluoride, MW-32 (mg/L)



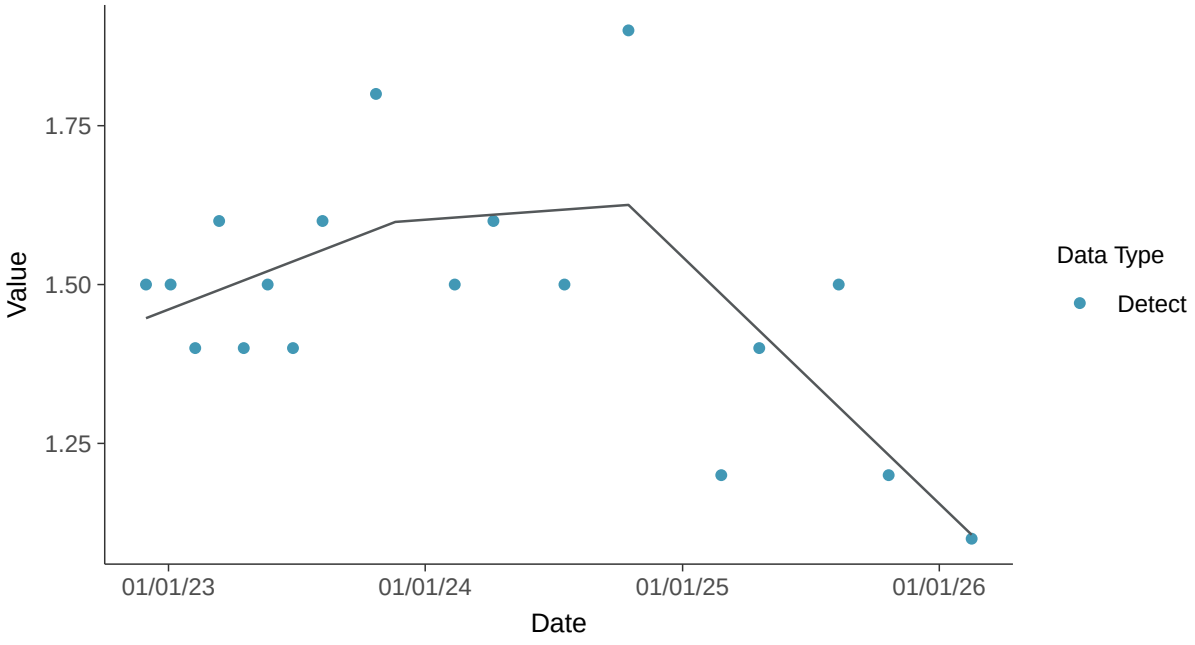
Trend Regression: Piecewise Linear-Linear

Fluoride, MW-32 (mg/L)



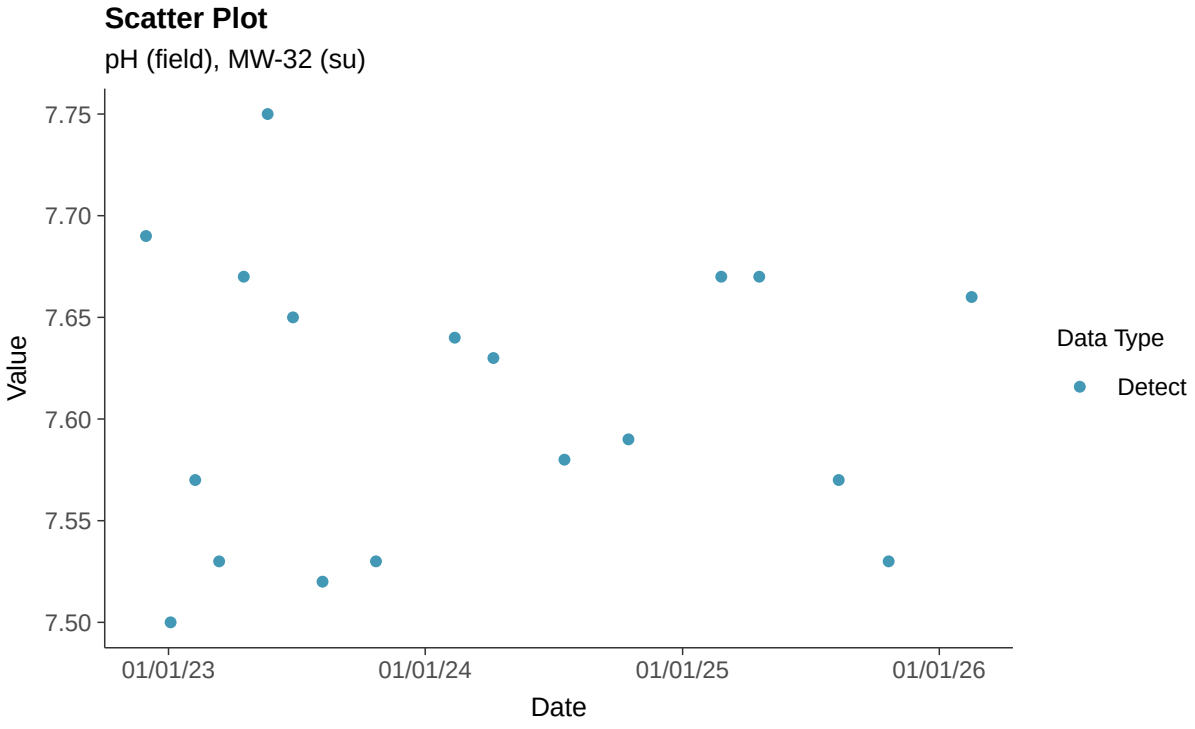
Trend Regression: Piecewise Linear-Linear-Linear

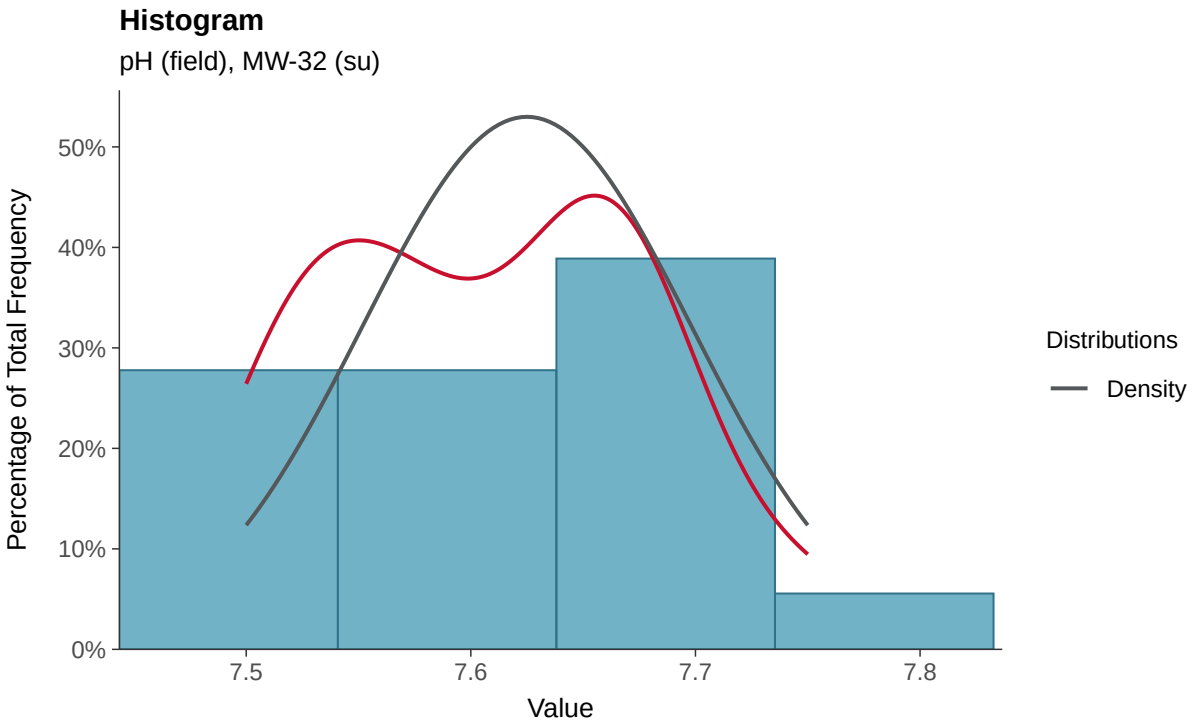
Fluoride, MW-32 (mg/L)



Appendix III: pH (field), MW-32

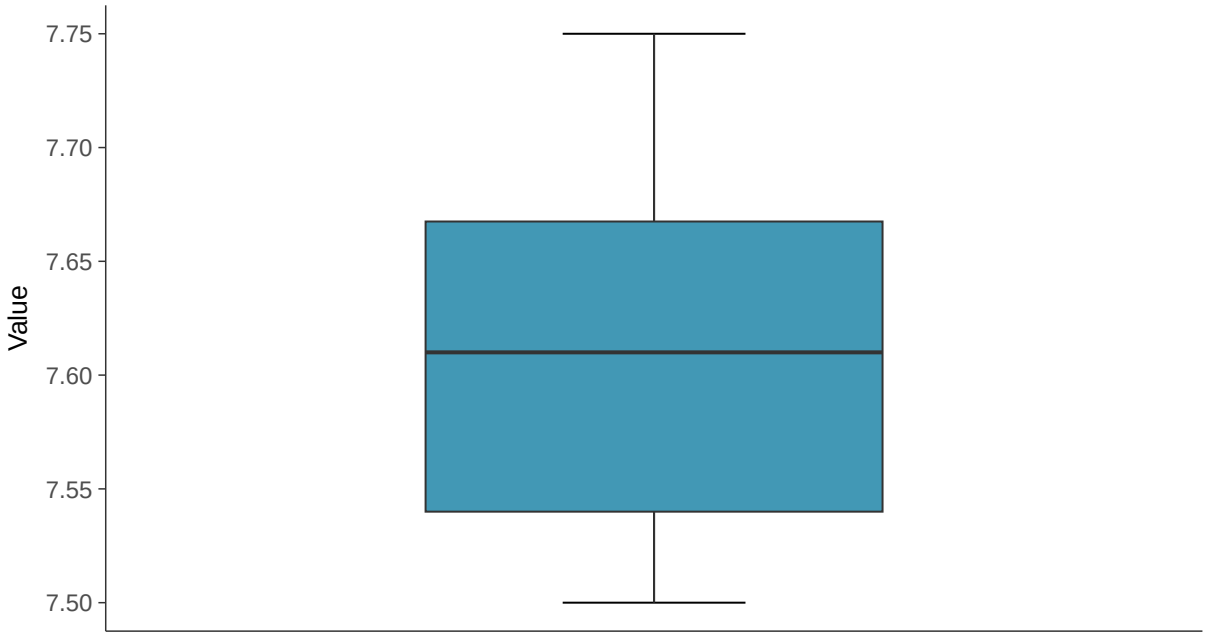
ID: 42_1_3_120





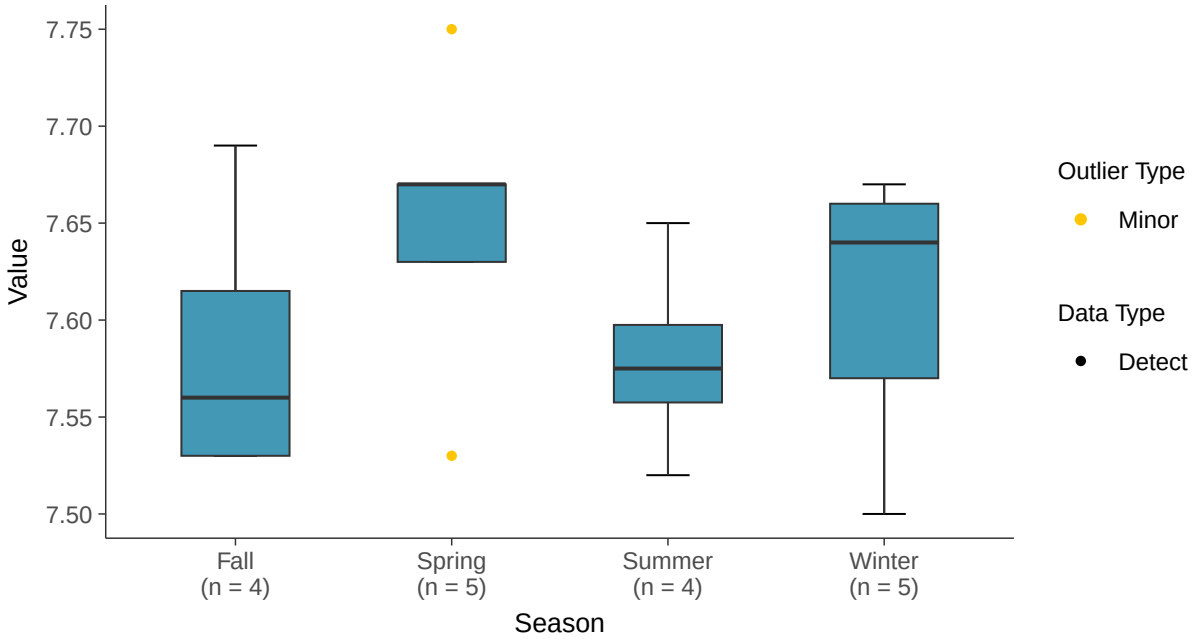
Boxplot

pH (field), MW-32 (su)



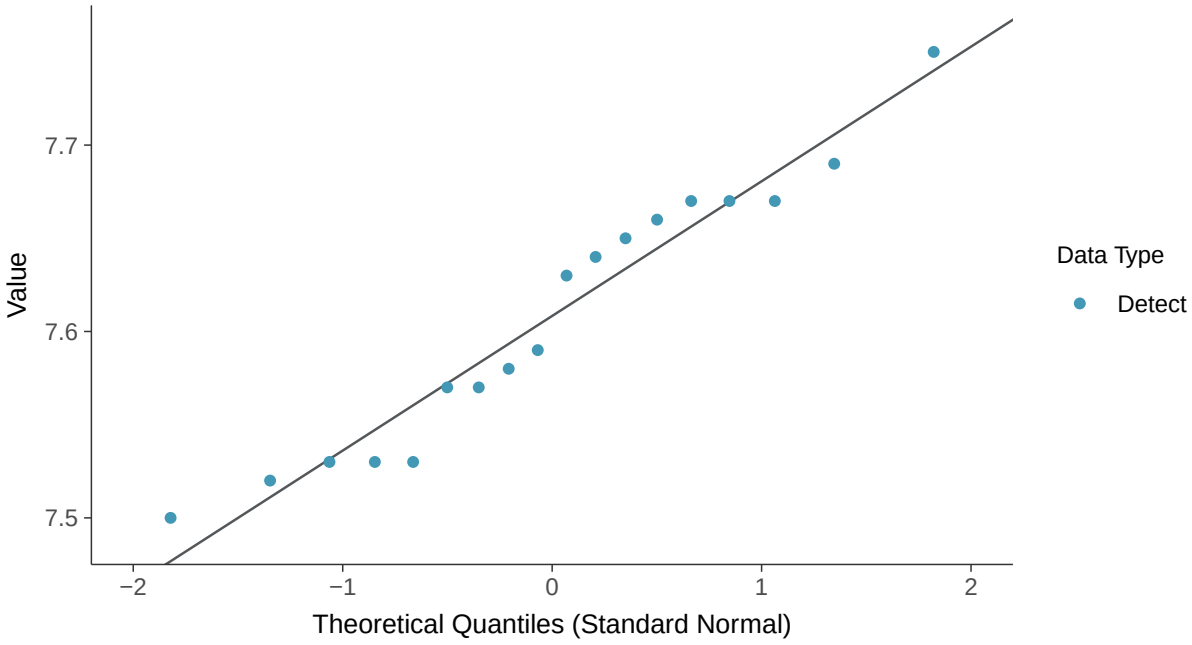
Boxplot by Season

pH (field), MW-32 (su)



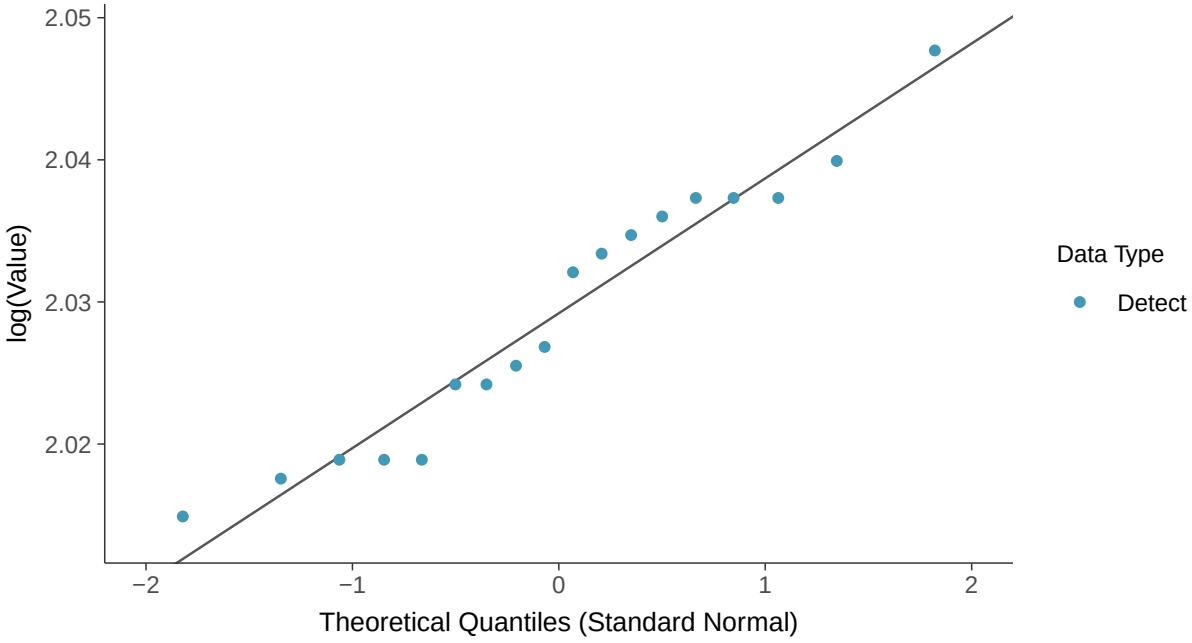
Normal Q-Q plot

pH (field), MW-32 (su)



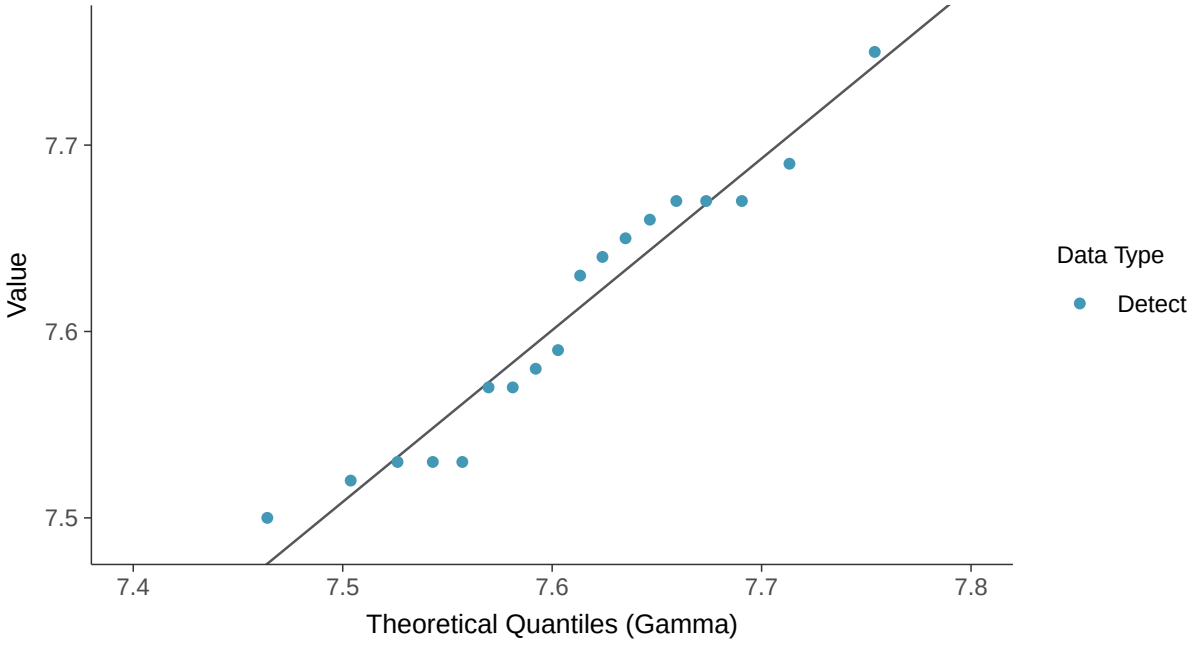
Lognormal Q-Q plot

pH (field), MW-32 (su)



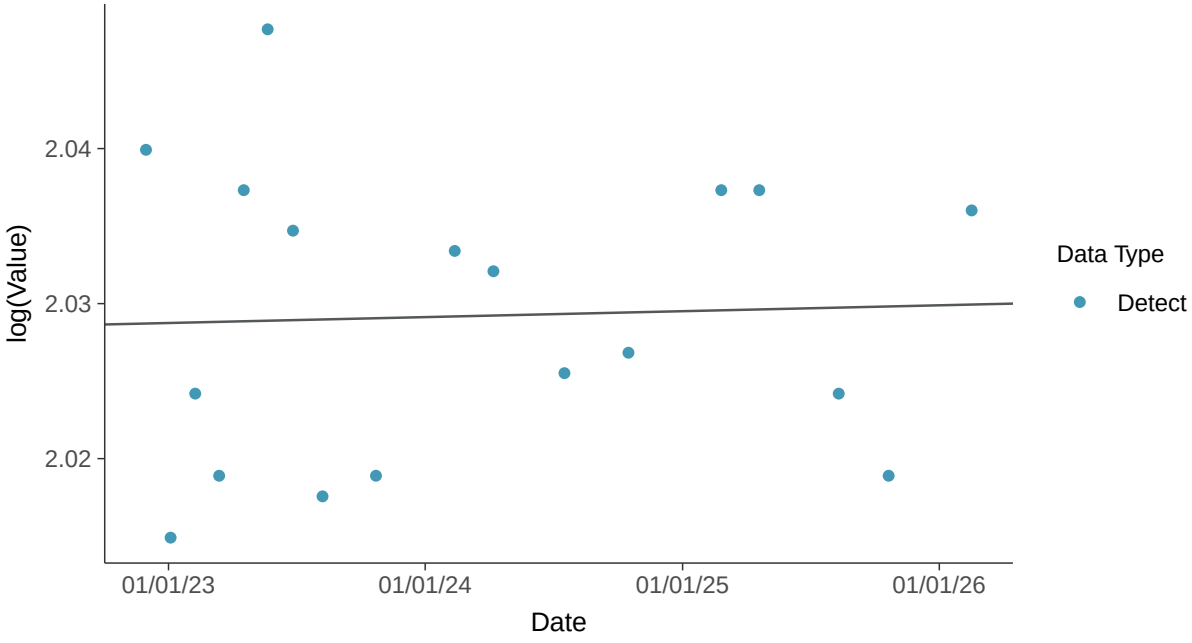
Gamma Q-Q plot

pH (field), MW-32 (su)



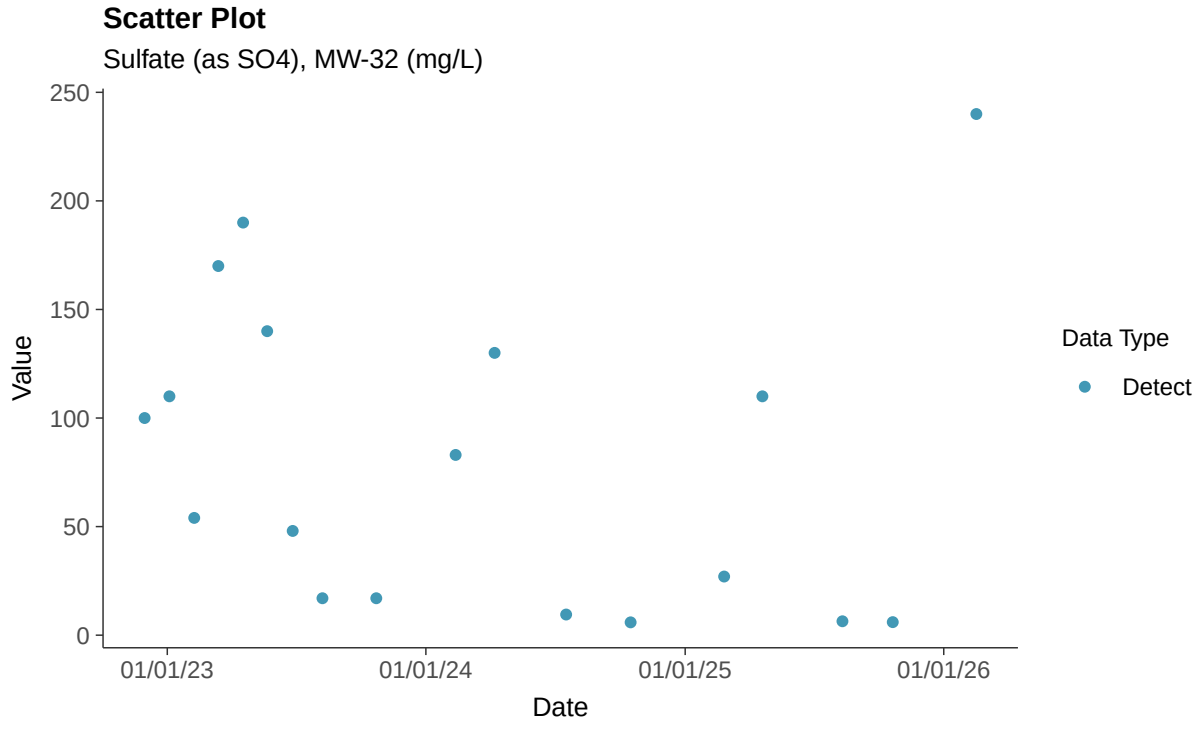
Trend Regression: Lognormal MLE

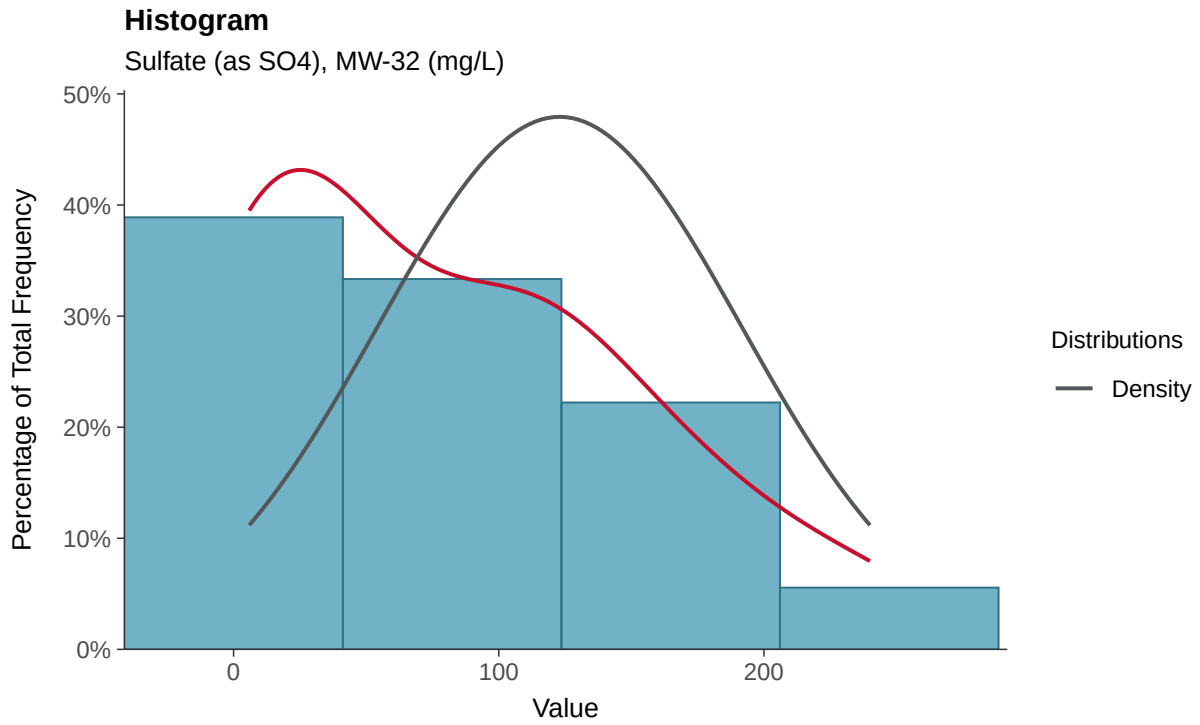
pH (field), MW-32 (su)



Appendix III: Sulfate (as SO4), MW-32

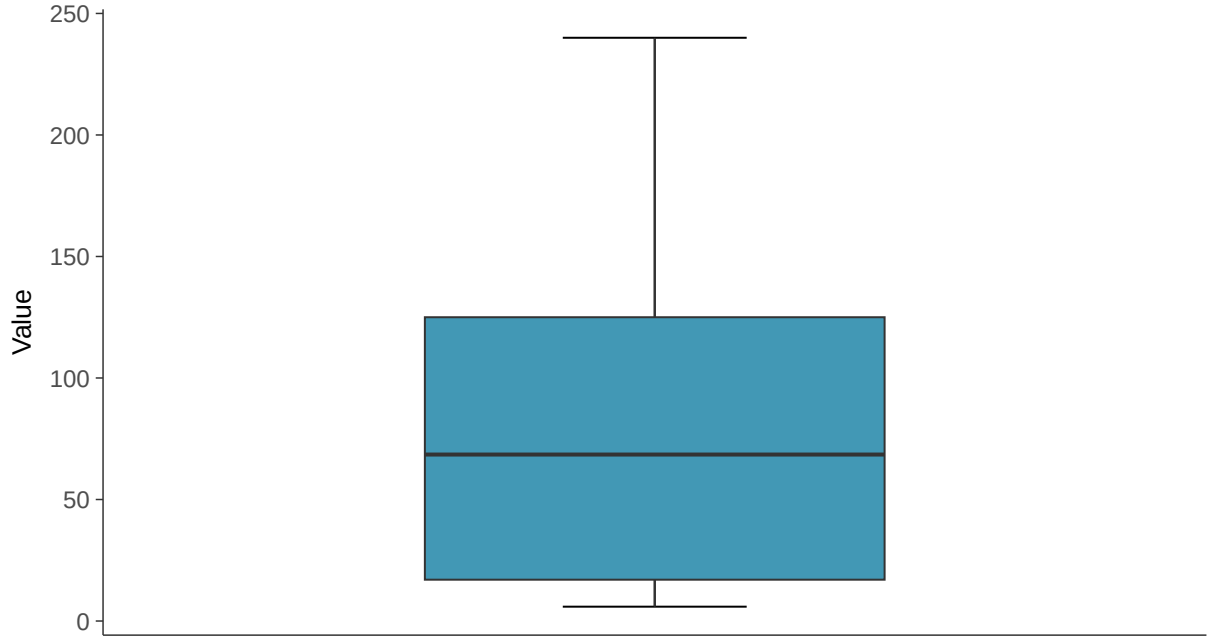
ID: 42_1_3_124





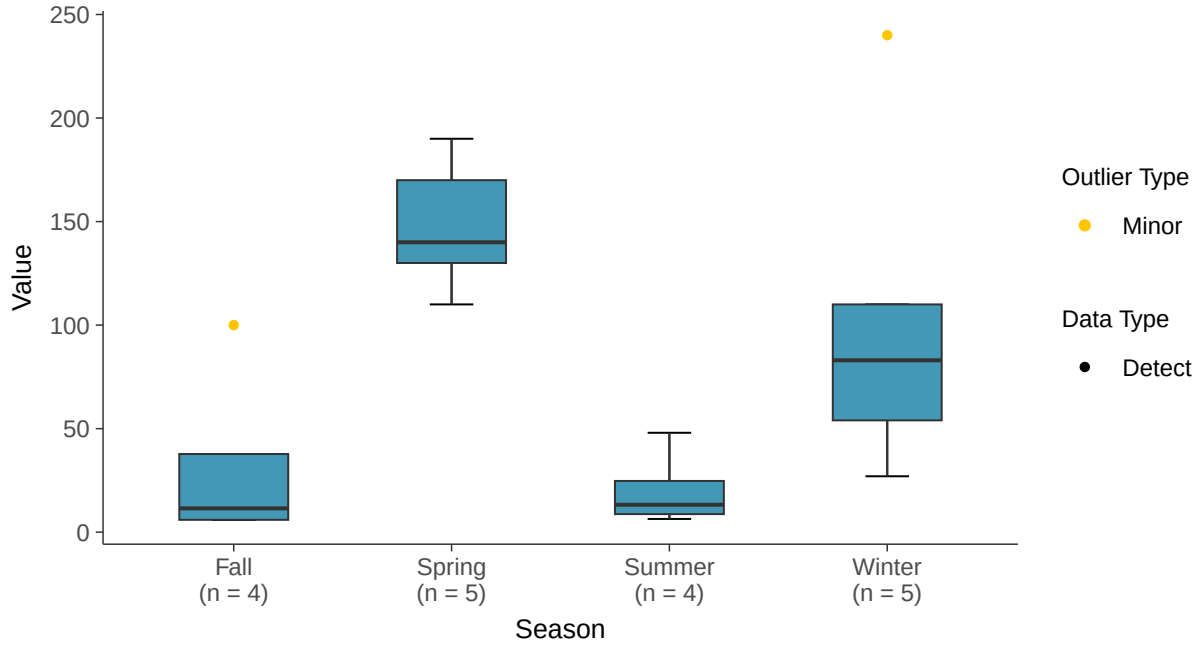
Boxplot

Sulfate (as SO4), MW-32 (mg/L)



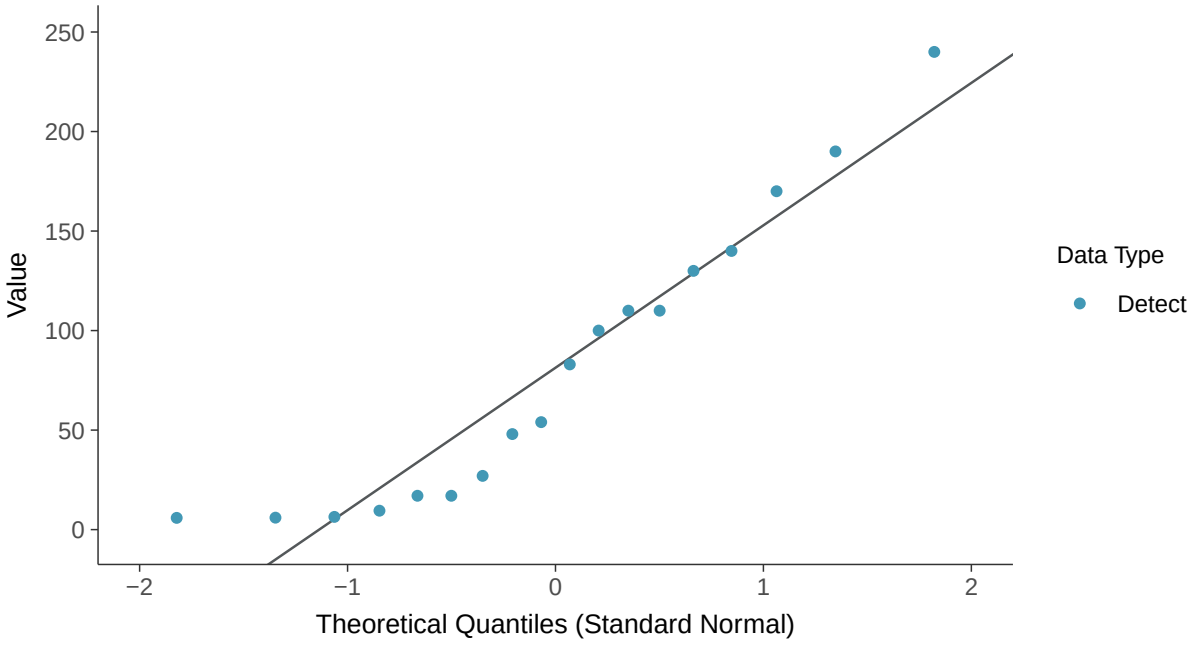
Boxplot by Season

Sulfate (as SO4), MW-32 (mg/L)



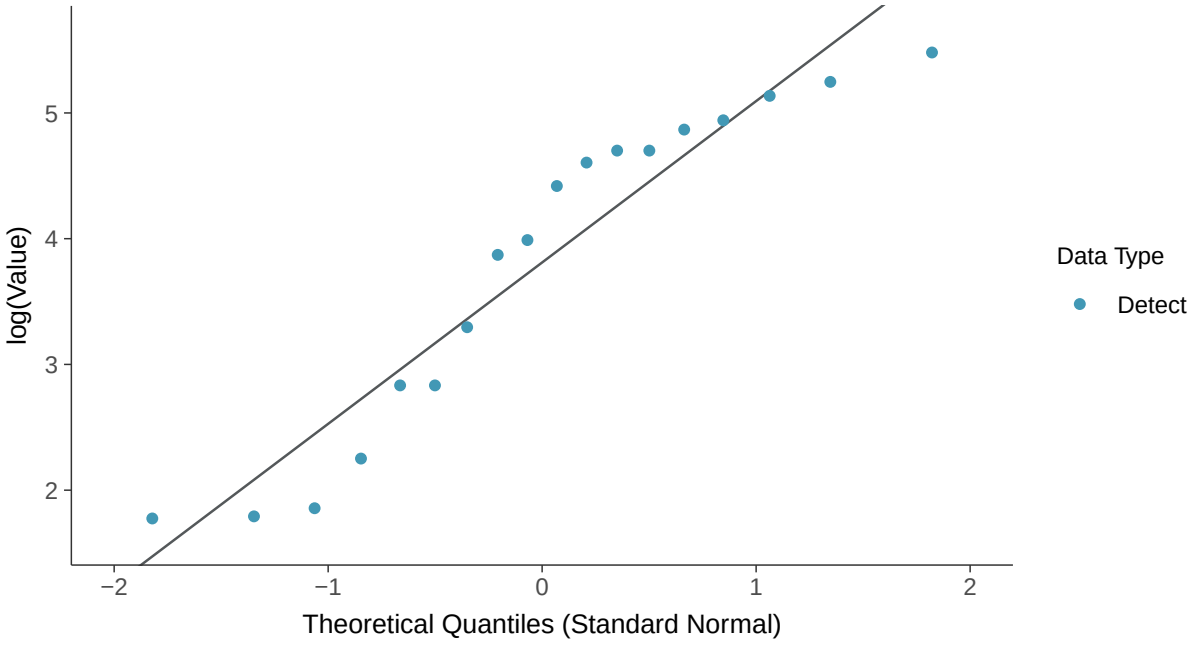
Normal Q-Q plot

Sulfate (as SO4), MW-32 (mg/L)



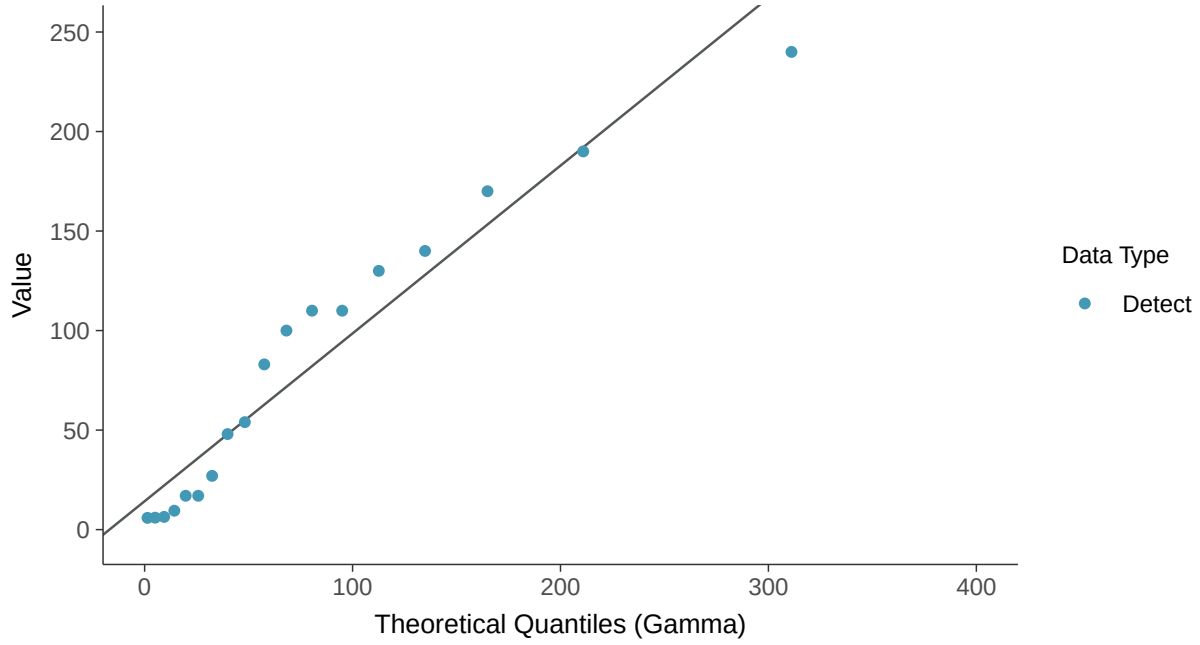
Lognormal Q-Q plot

Sulfate (as SO4), MW-32 (mg/L)



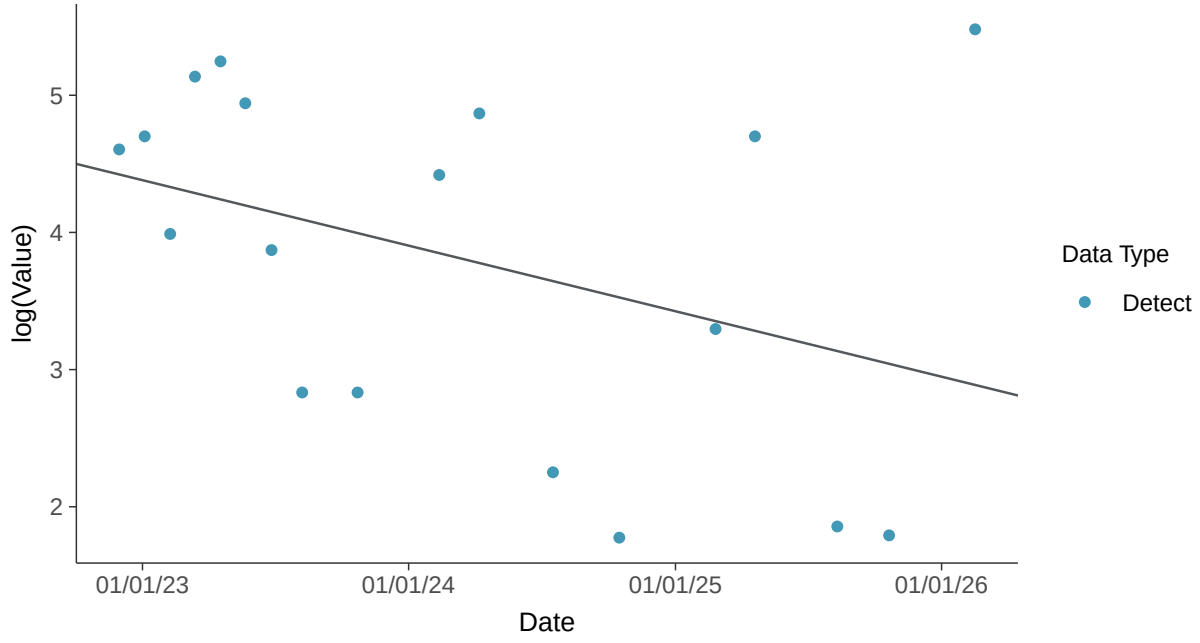
Gamma Q-Q plot

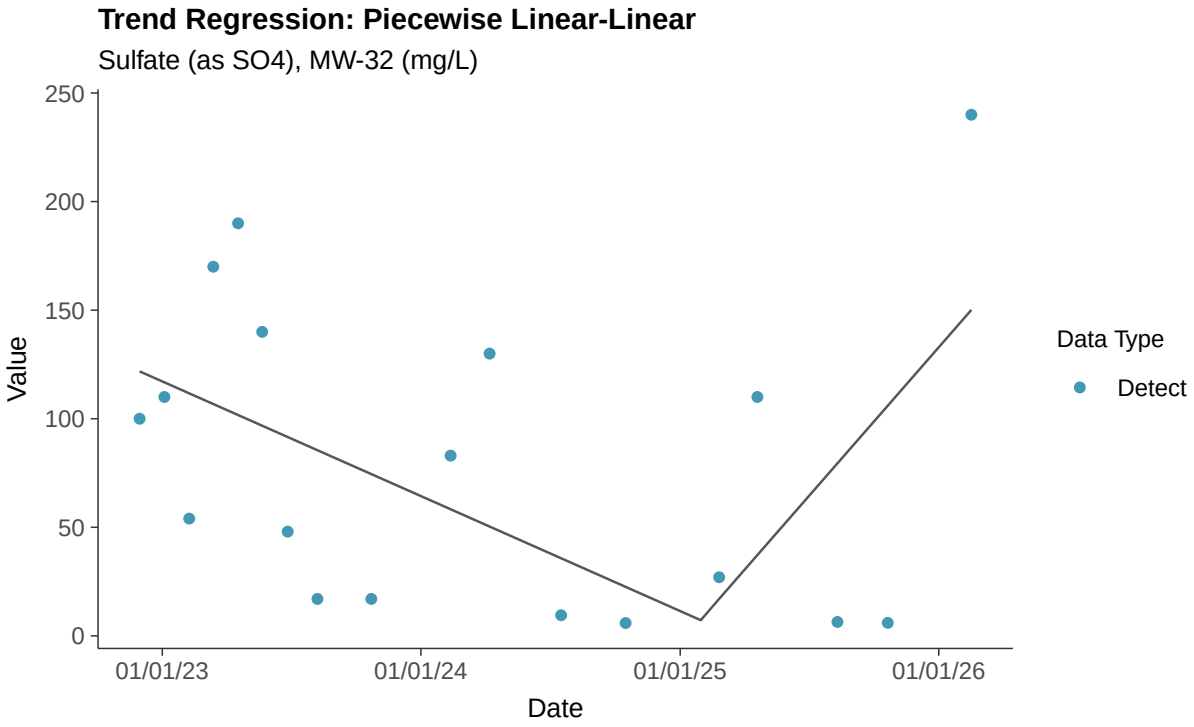
Sulfate (as SO4), MW-32 (mg/L)



Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-32 (mg/L)



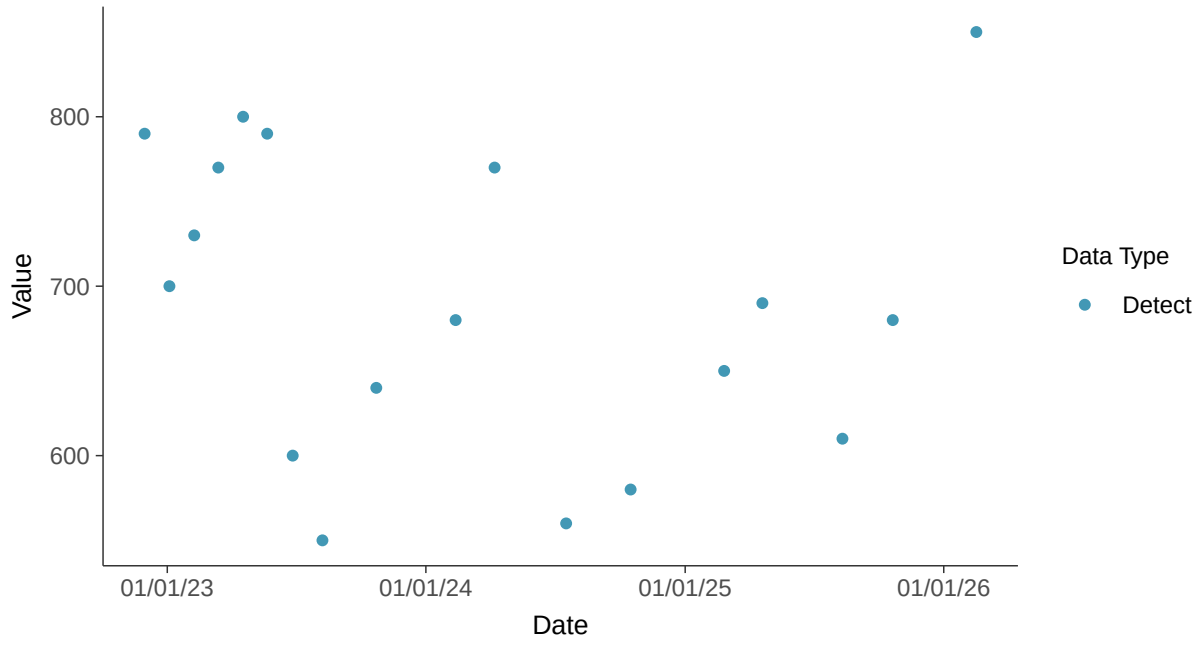

Trend Regression: Piecewise Linear-Linear
Sulfate (as SO4), MW-32 (mg/L)
250
200
150
100
50
0
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect

Appendix III: Total Dissolved Solids, MW-32

ID: 42_1_3_126

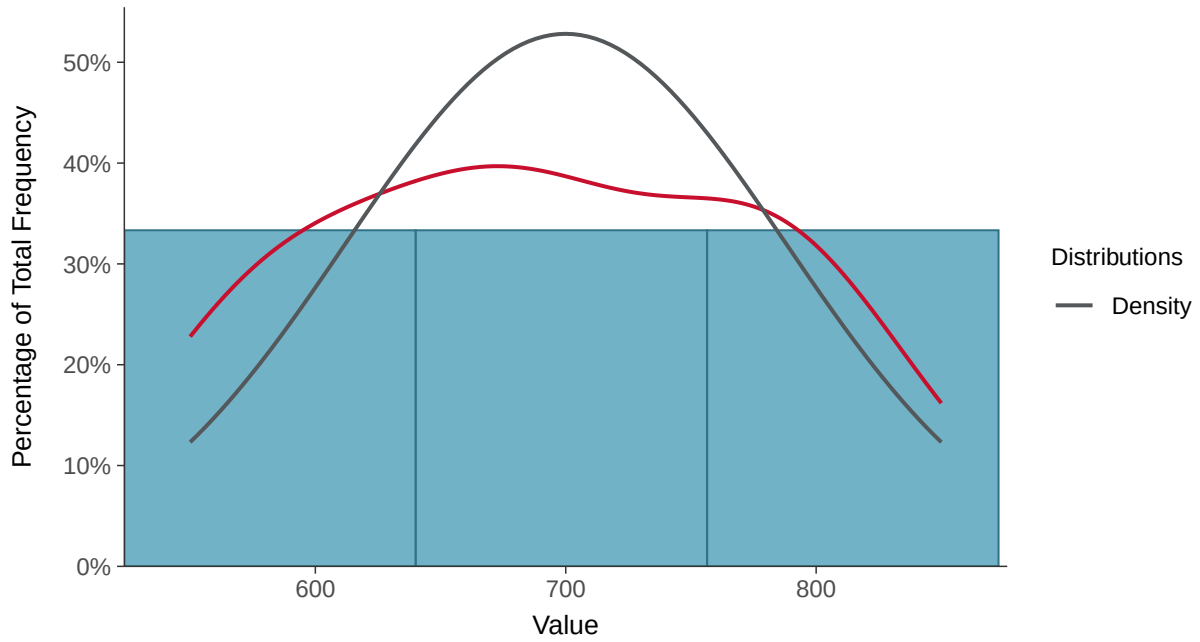
Scatter Plot

Total Dissolved Solids, MW-32 (mg/L)



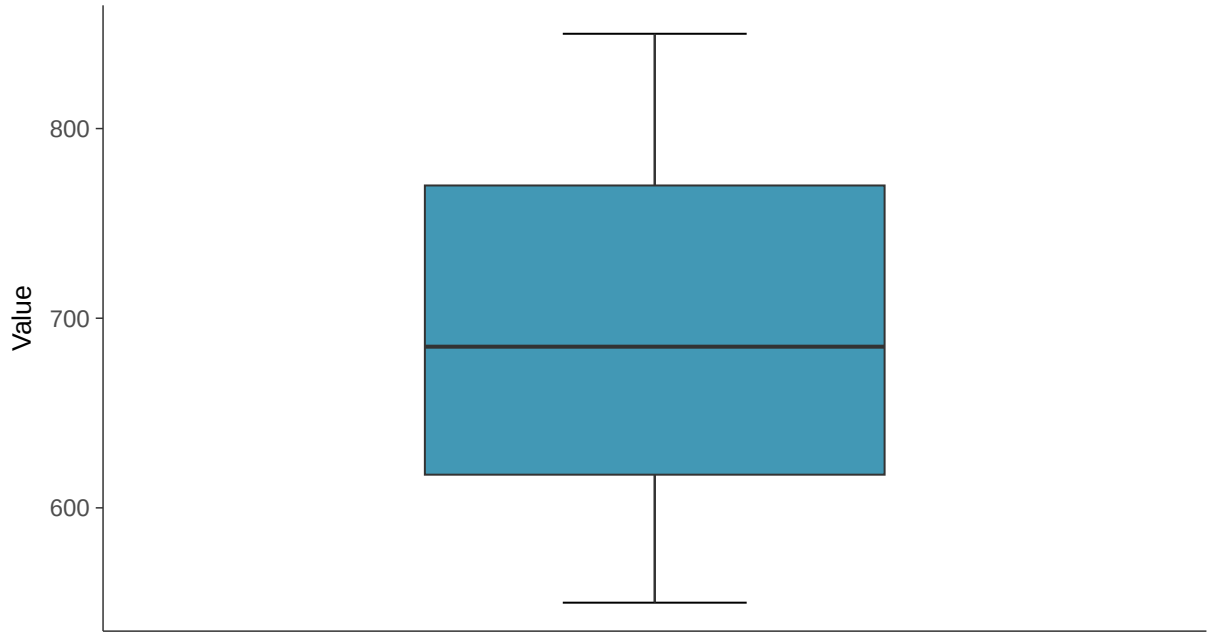
Histogram

Total Dissolved Solids, MW-32 (mg/L)



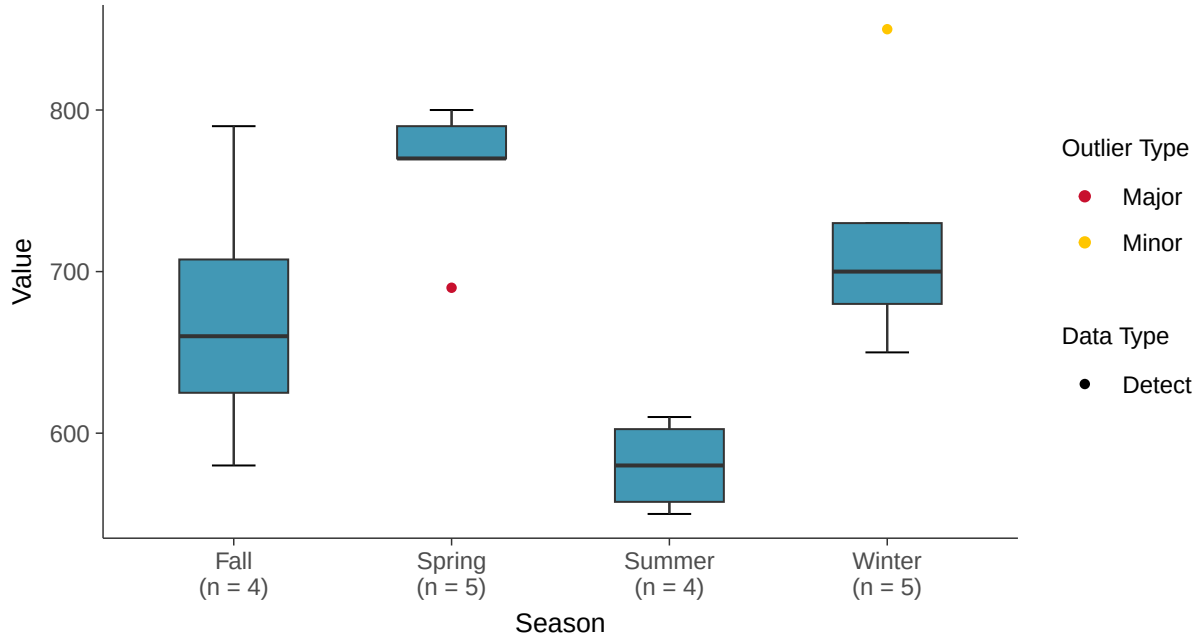
Boxplot

Total Dissolved Solids, MW-32 (mg/L)



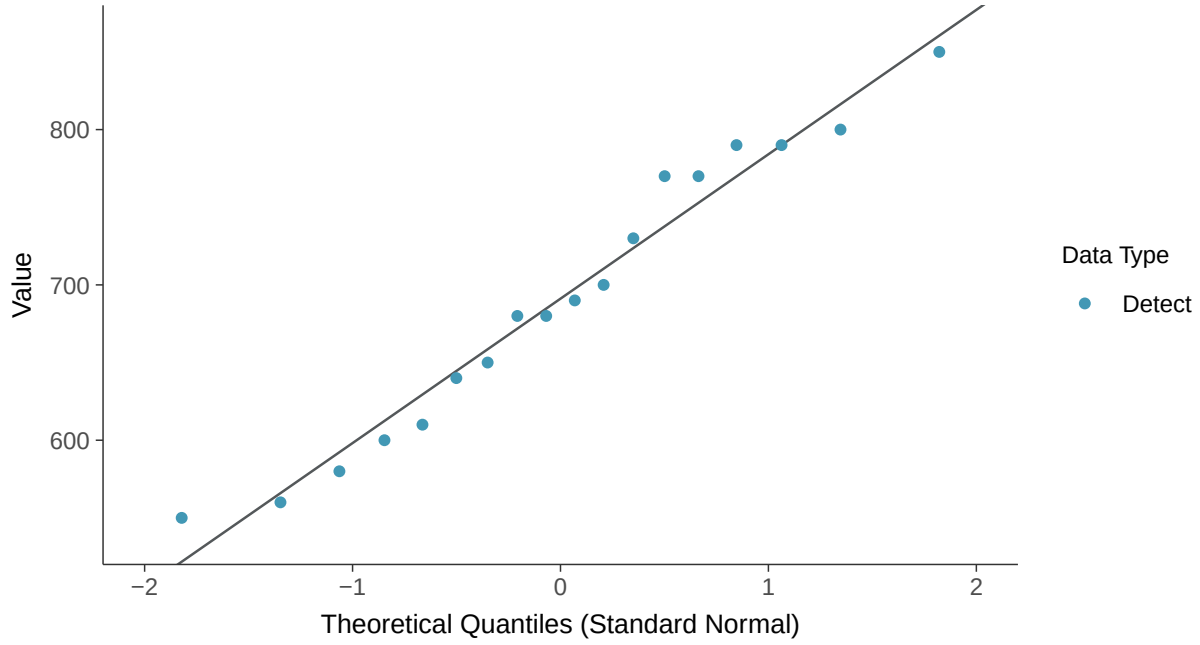
Boxplot by Season

Total Dissolved Solids, MW-32 (mg/L)



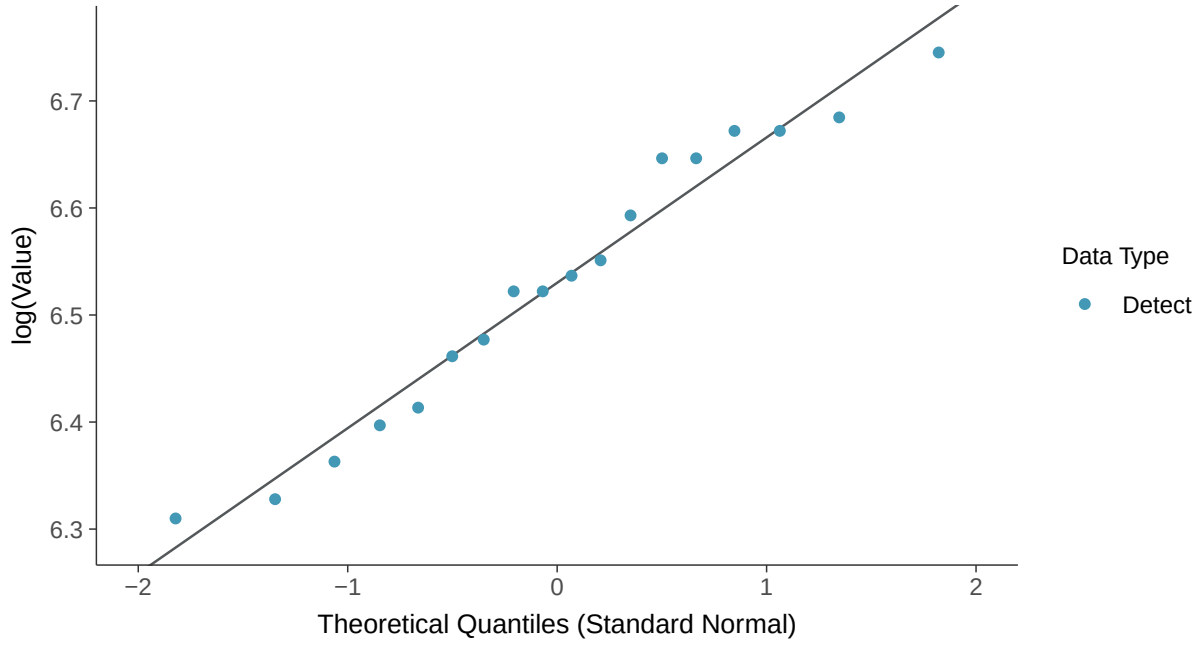
Normal Q-Q plot

Total Dissolved Solids, MW-32 (mg/L)



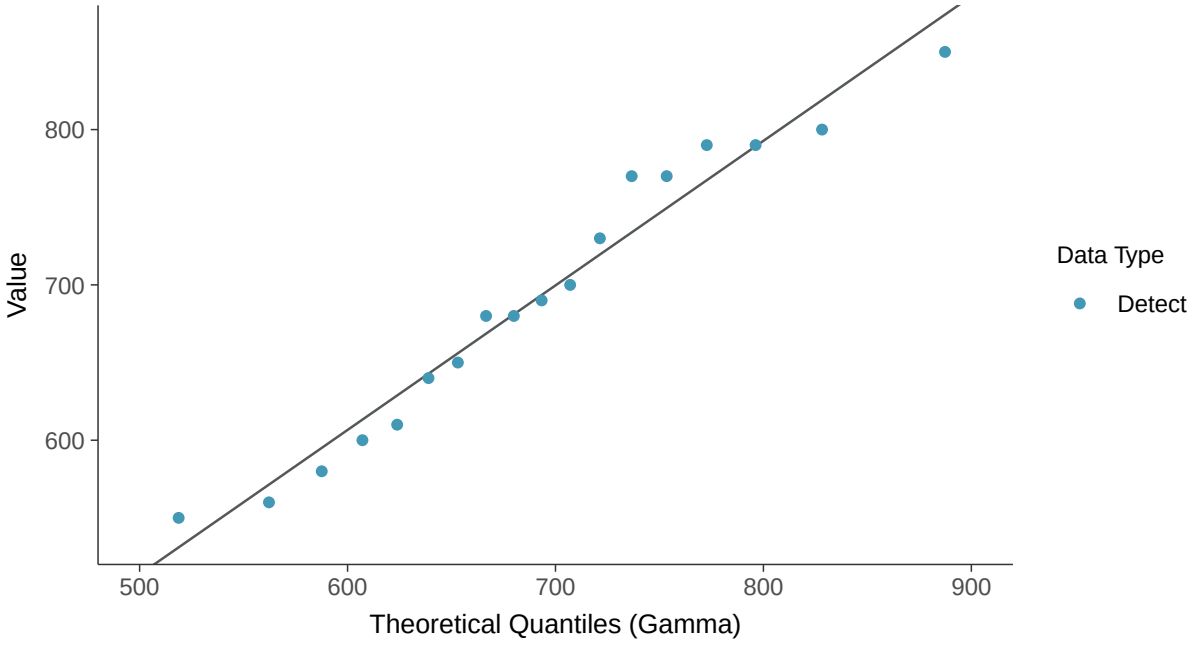
Lognormal Q-Q plot

Total Dissolved Solids, MW-32 (mg/L)



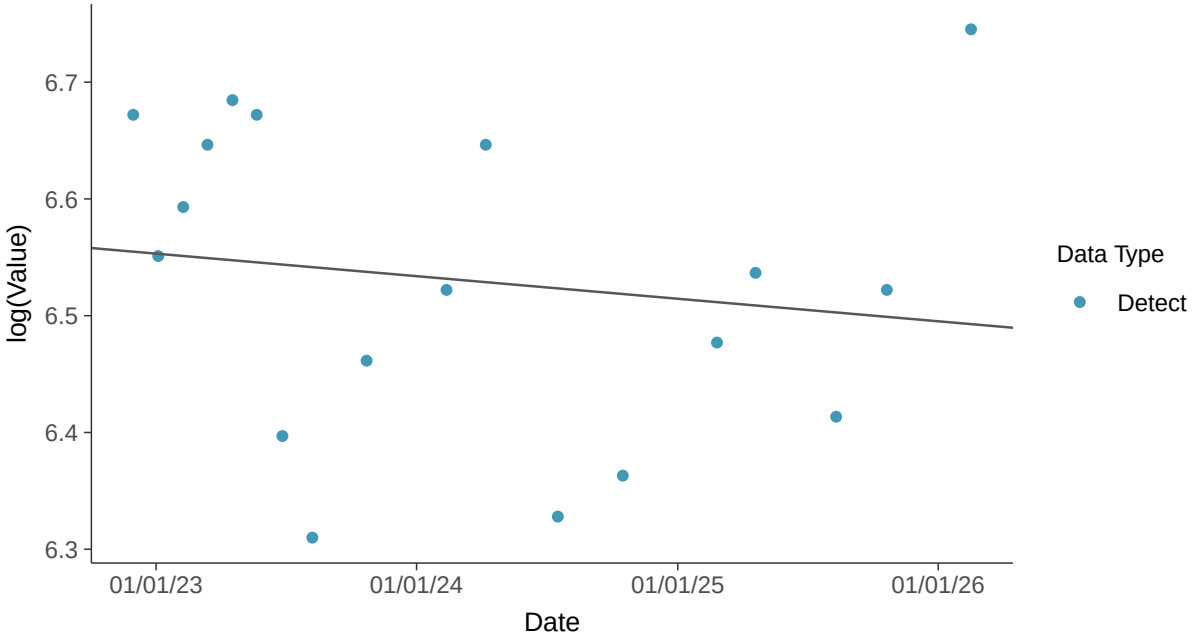
Gamma Q-Q plot

Total Dissolved Solids, MW-32 (mg/L)



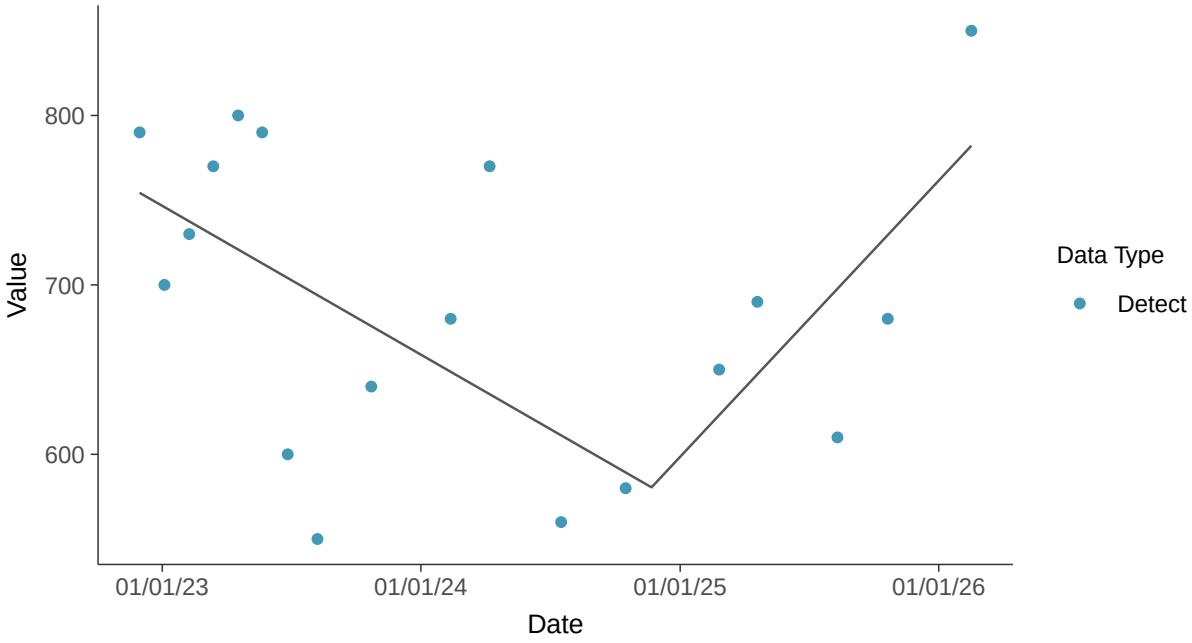
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-32 (mg/L)



Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-32 (mg/L)

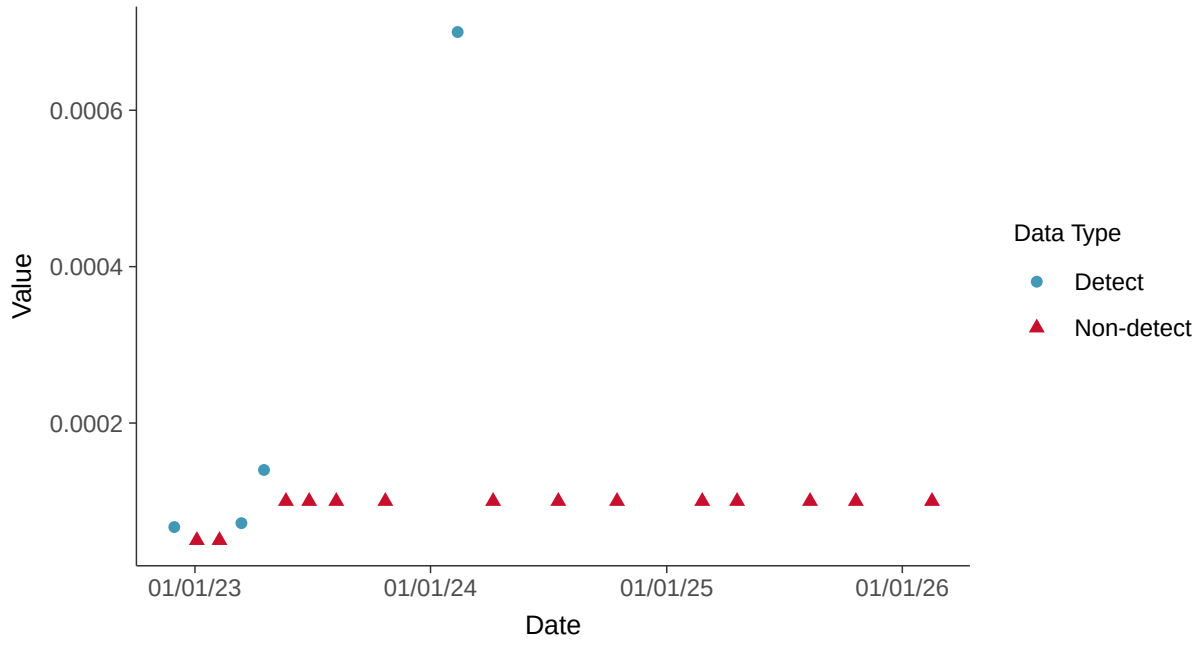


Appendix IV: Antimony, MW-32

ID: 42_1_4_101

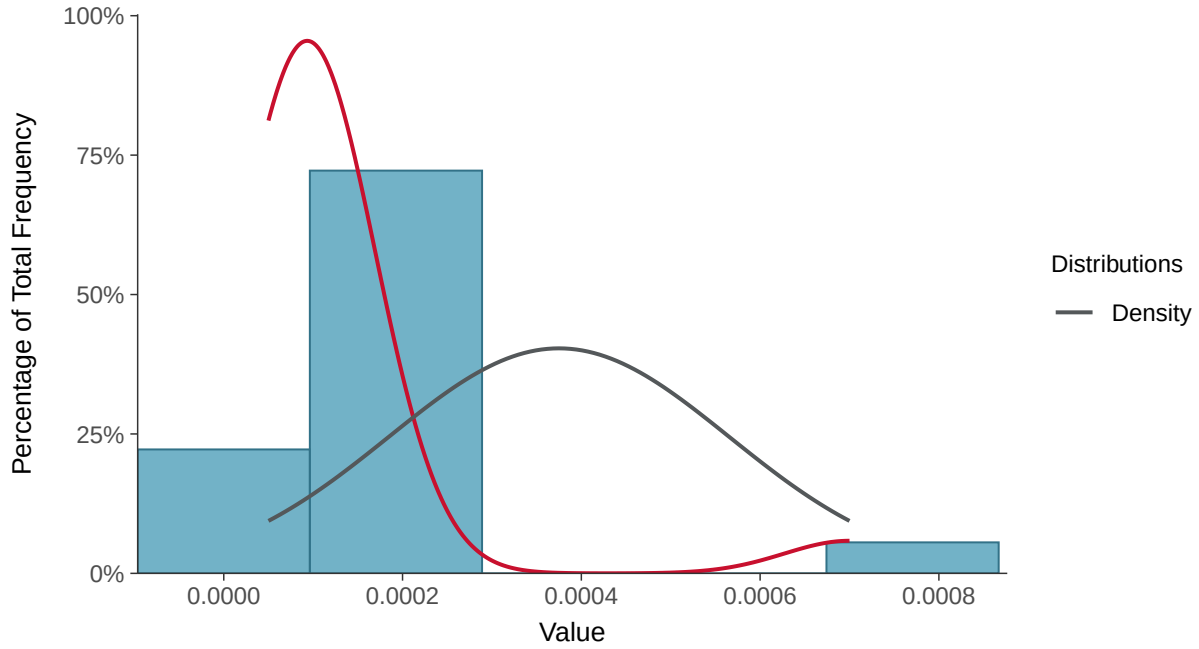
Scatter Plot

Antimony, MW-32 (mg/L)



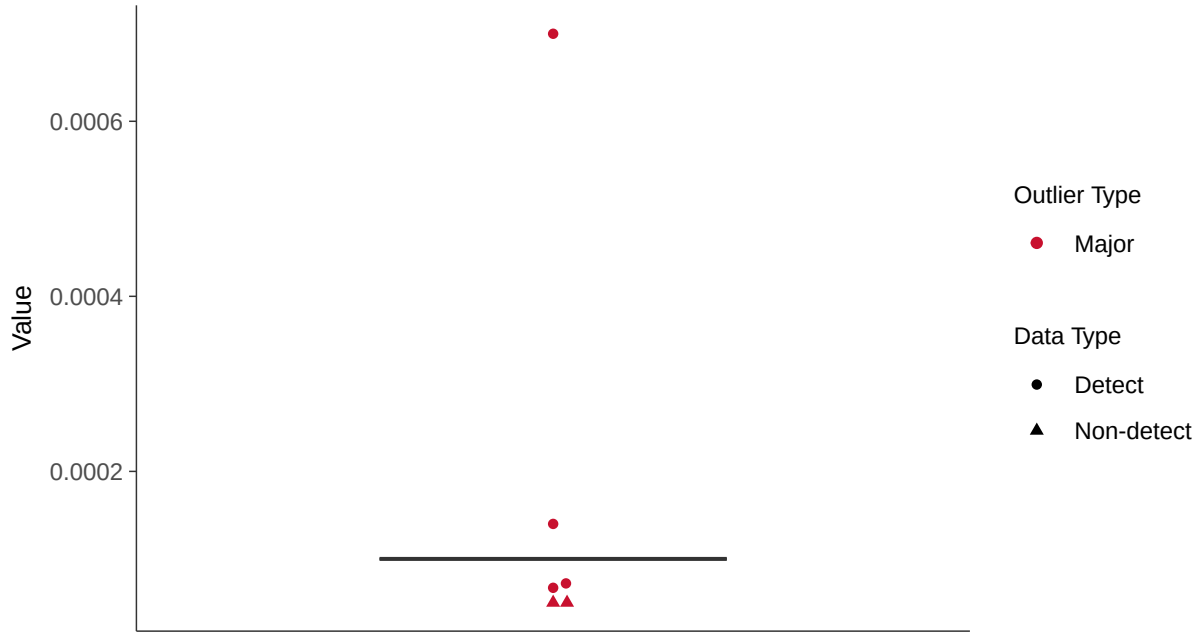
Histogram

Antimony, MW-32 (mg/L)



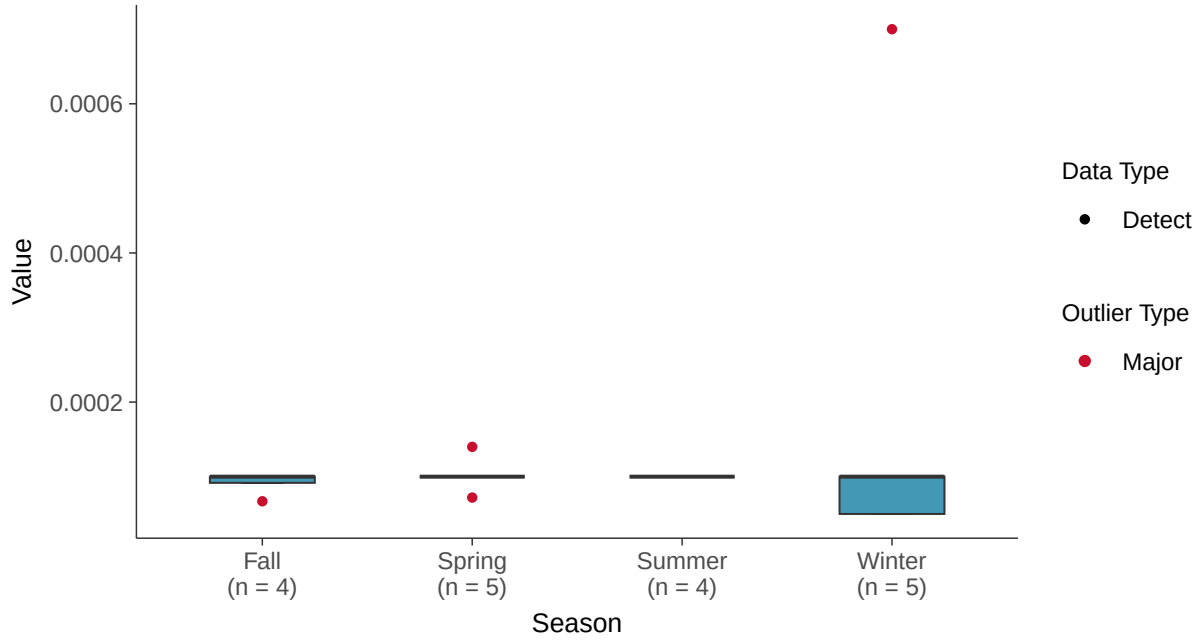
Boxplot

Antimony, MW-32 (mg/L)



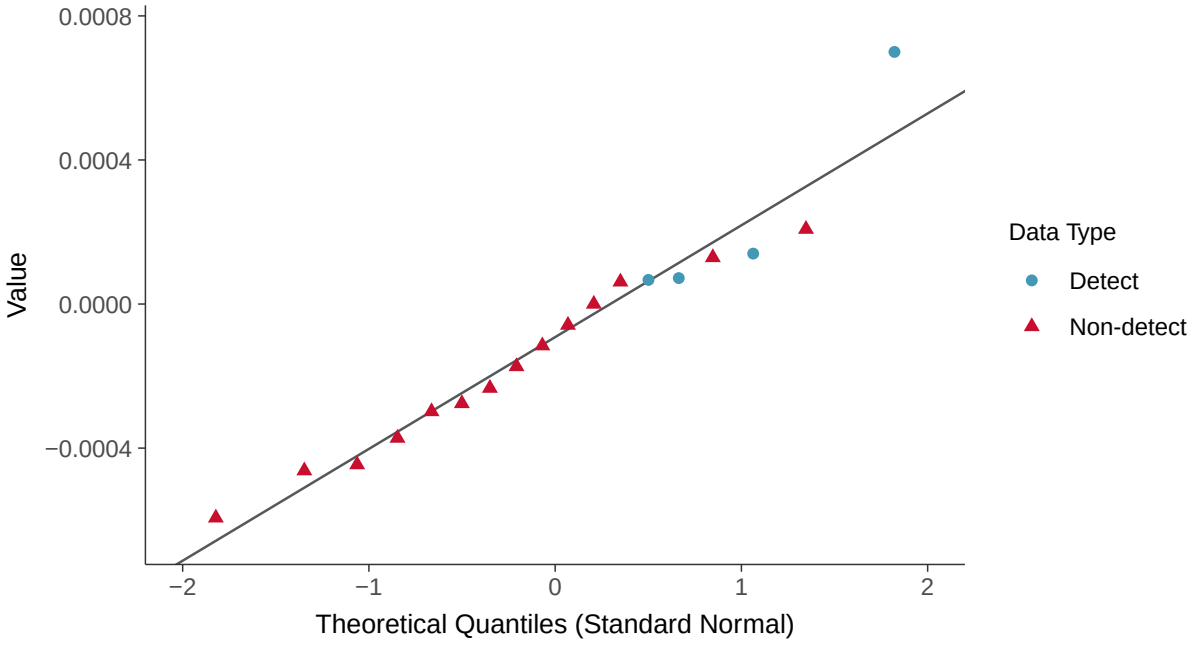
Boxplot by Season

Antimony, MW-32 (mg/L)



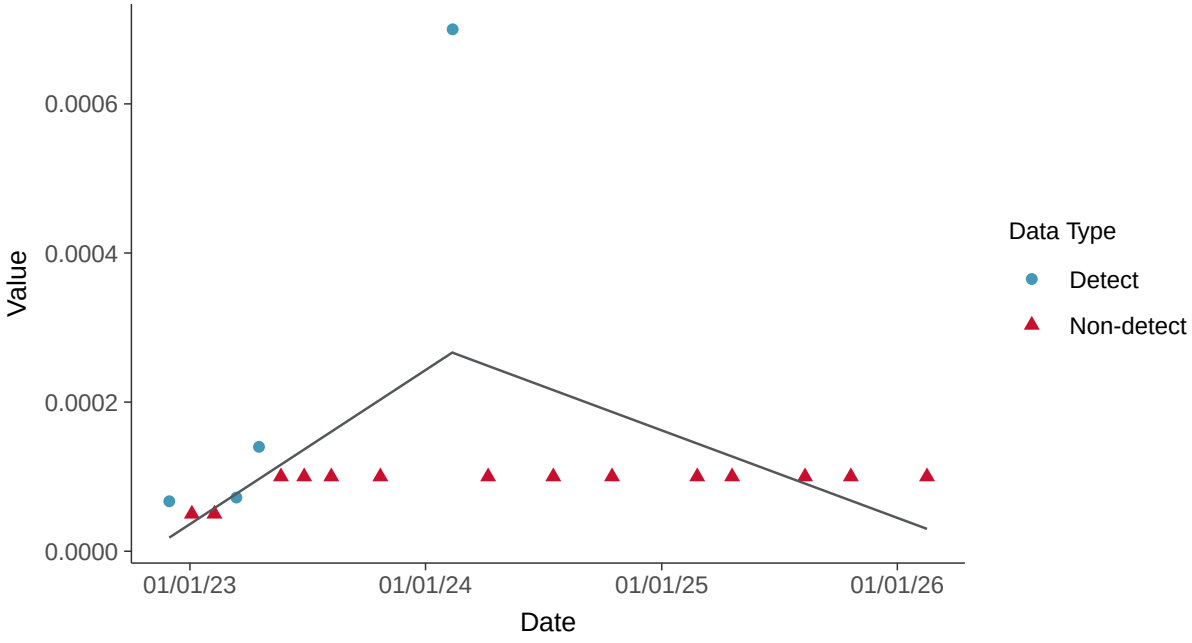
Normal Q-Q plot using ROS Imputed Estimates

Antimony, MW-32 (mg/L)



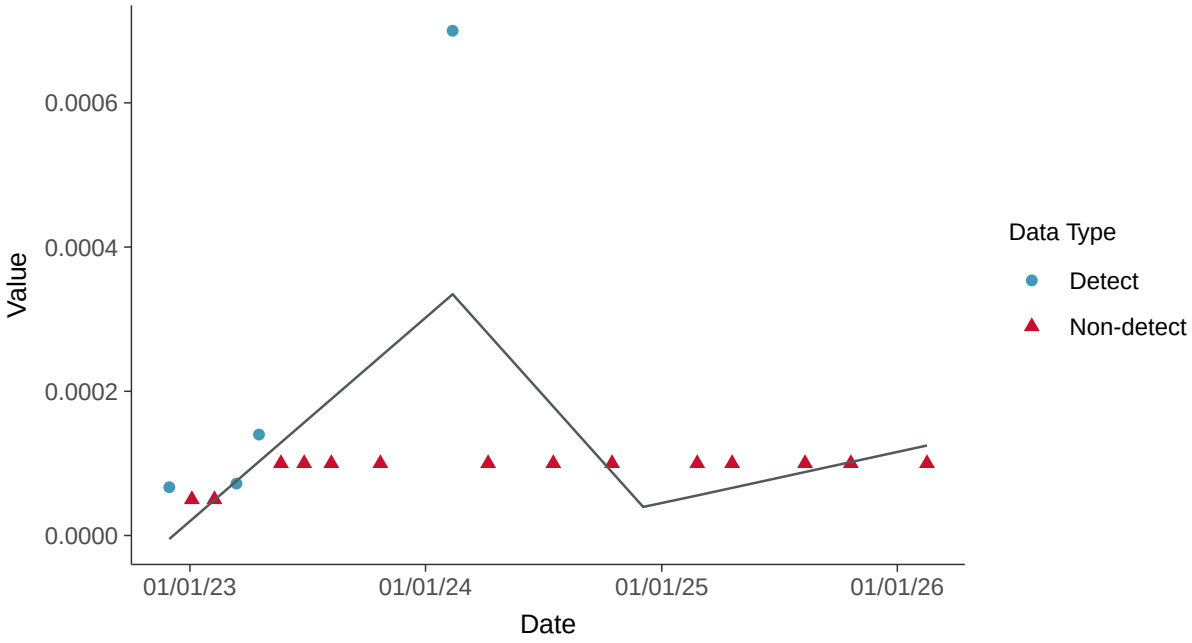
Trend Regression: Piecewise Linear-Linear

Antimony, MW-32 (mg/L)



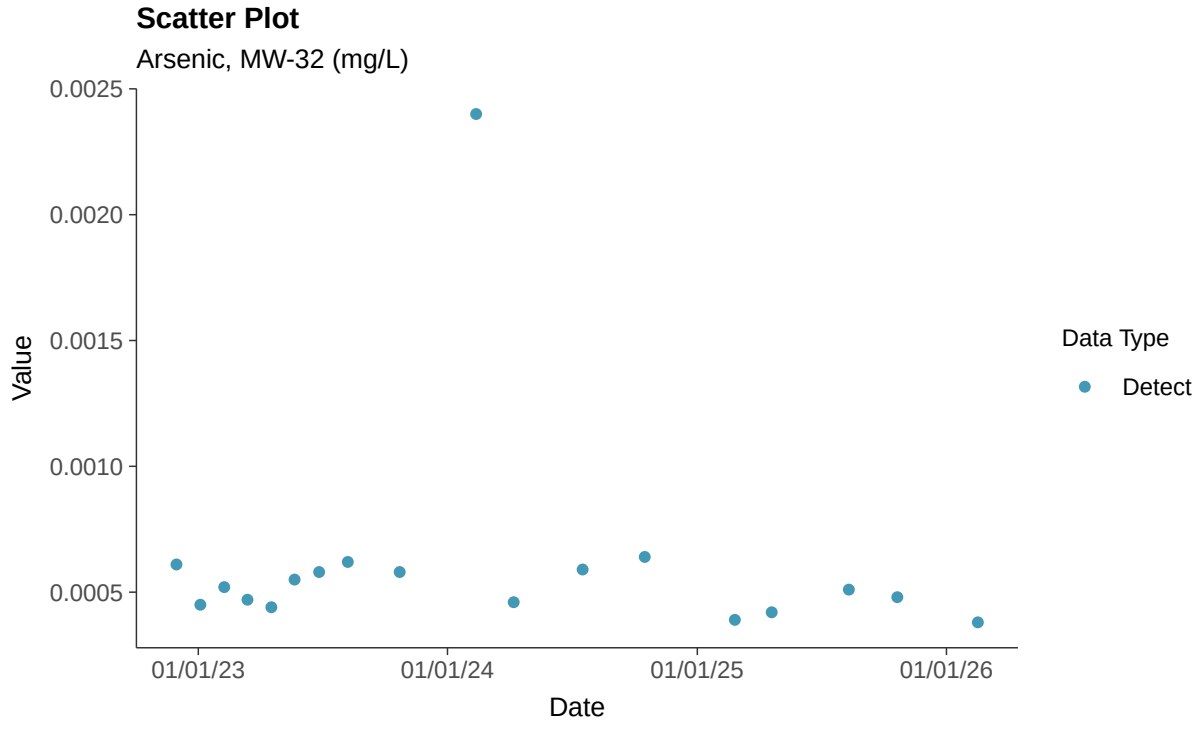
Trend Regression: Piecewise Linear-Linear-Linear

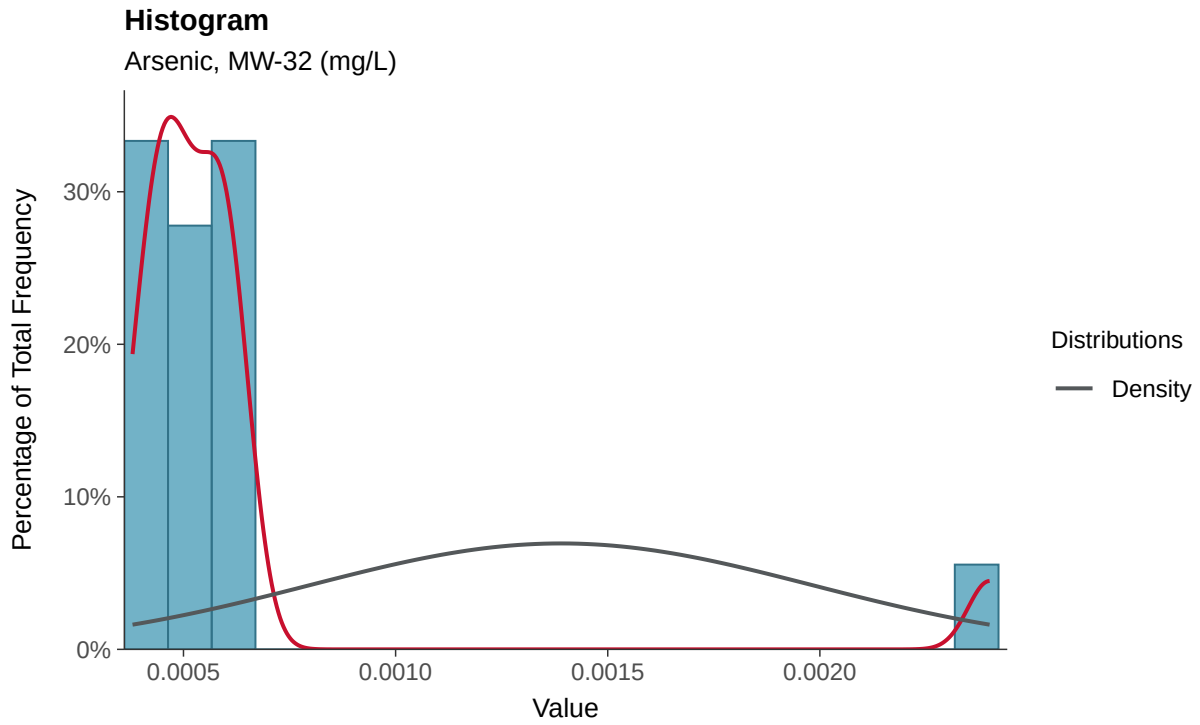
Antimony, MW-32 (mg/L)



Appendix IV: Arsenic, MW-32

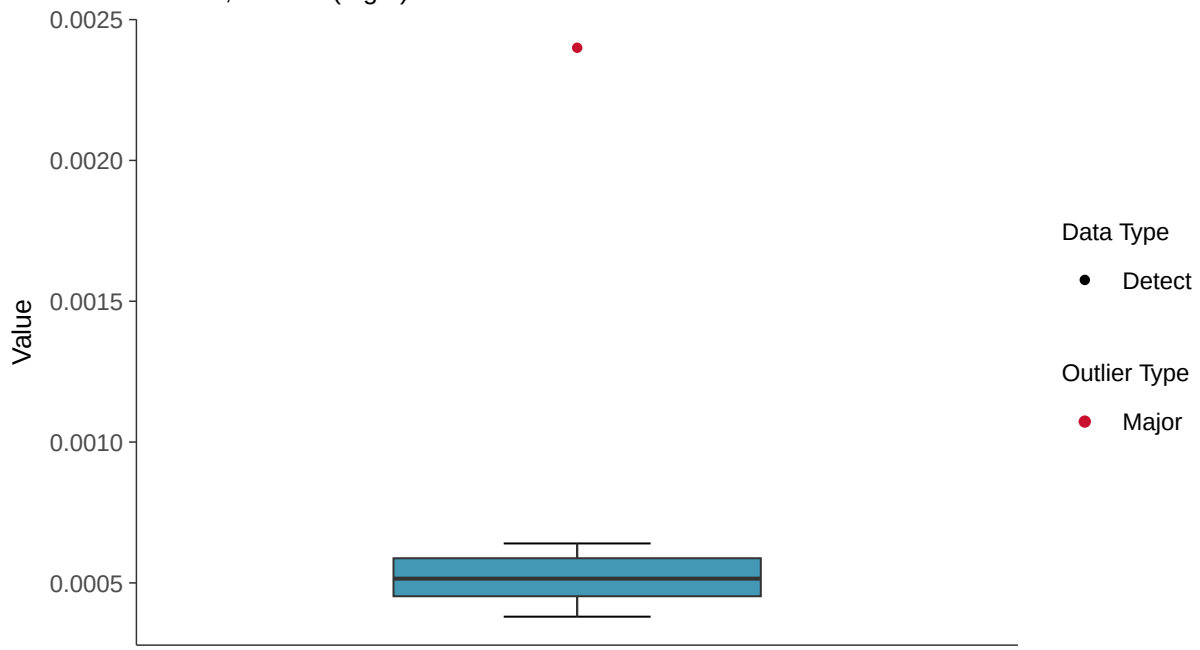
ID: 42_1_4_102





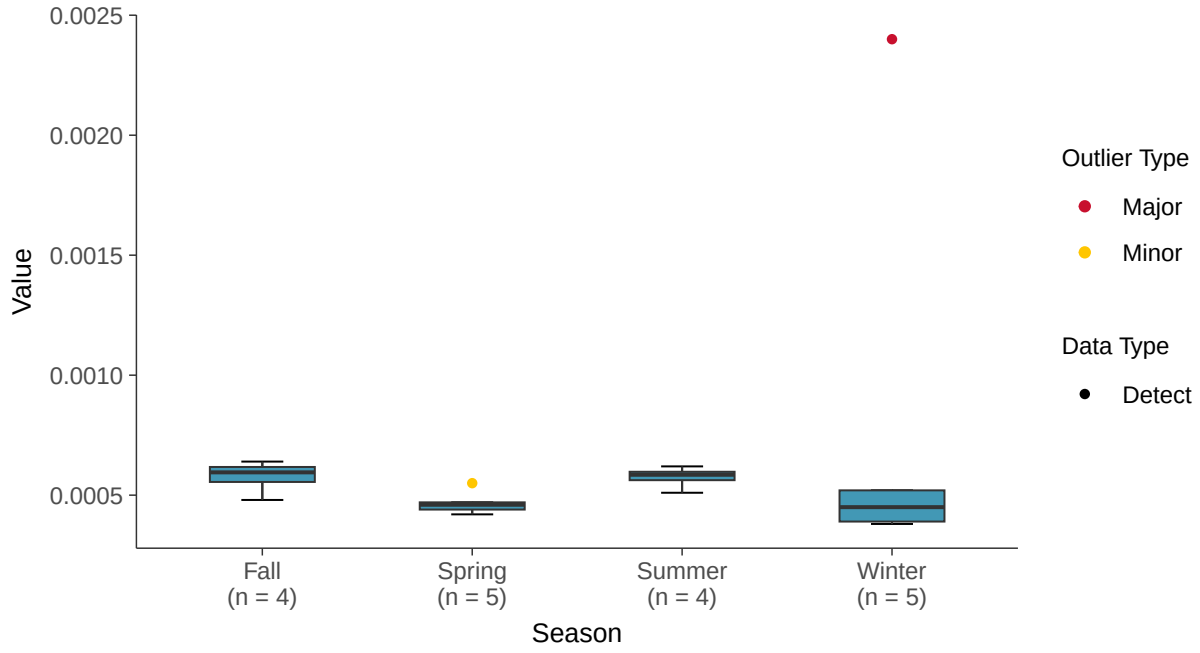
Boxplot

Arsenic, MW-32 (mg/L)



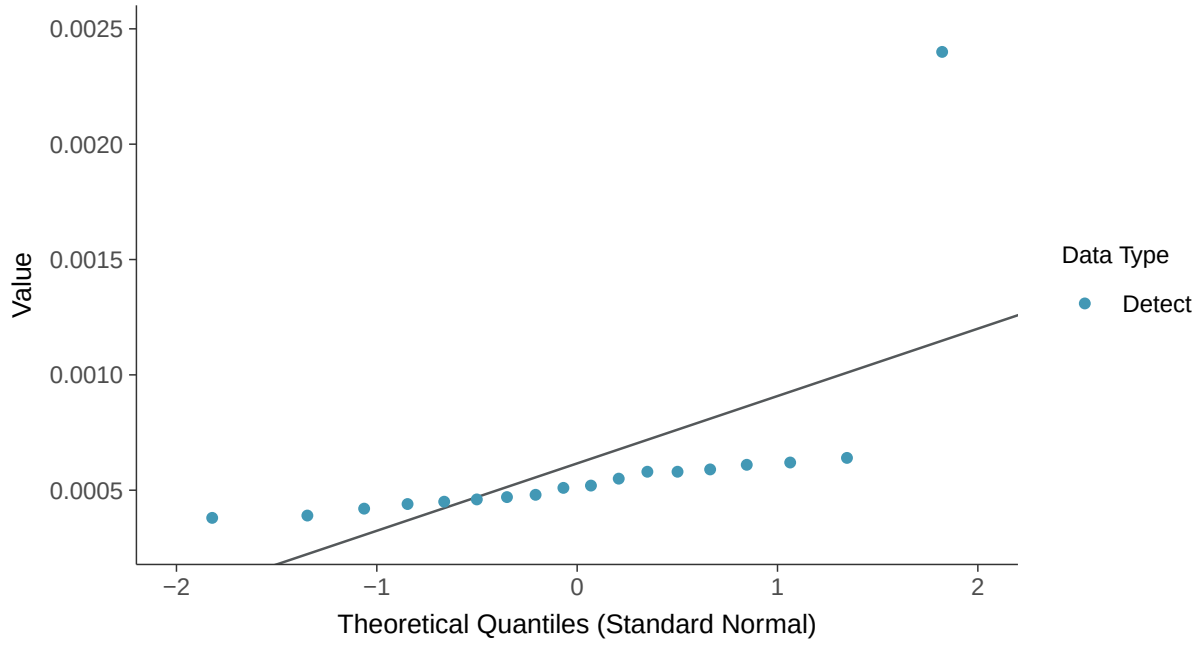
Boxplot by Season

Arsenic, MW-32 (mg/L)



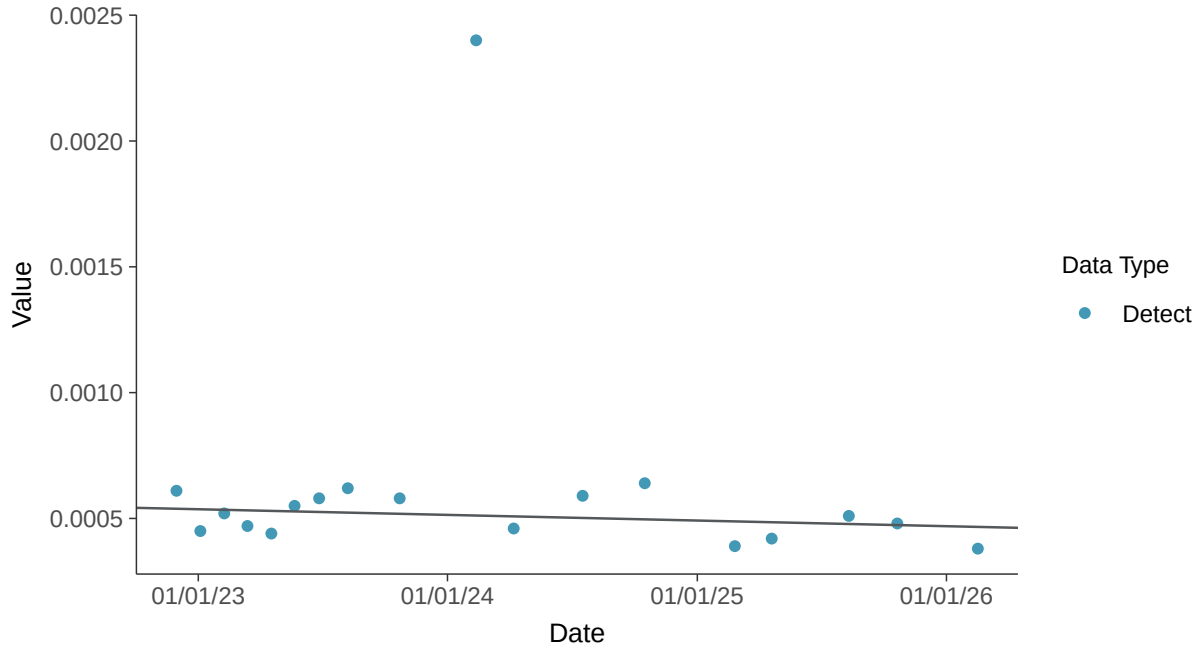
Normal Q-Q plot

Arsenic, MW-32 (mg/L)



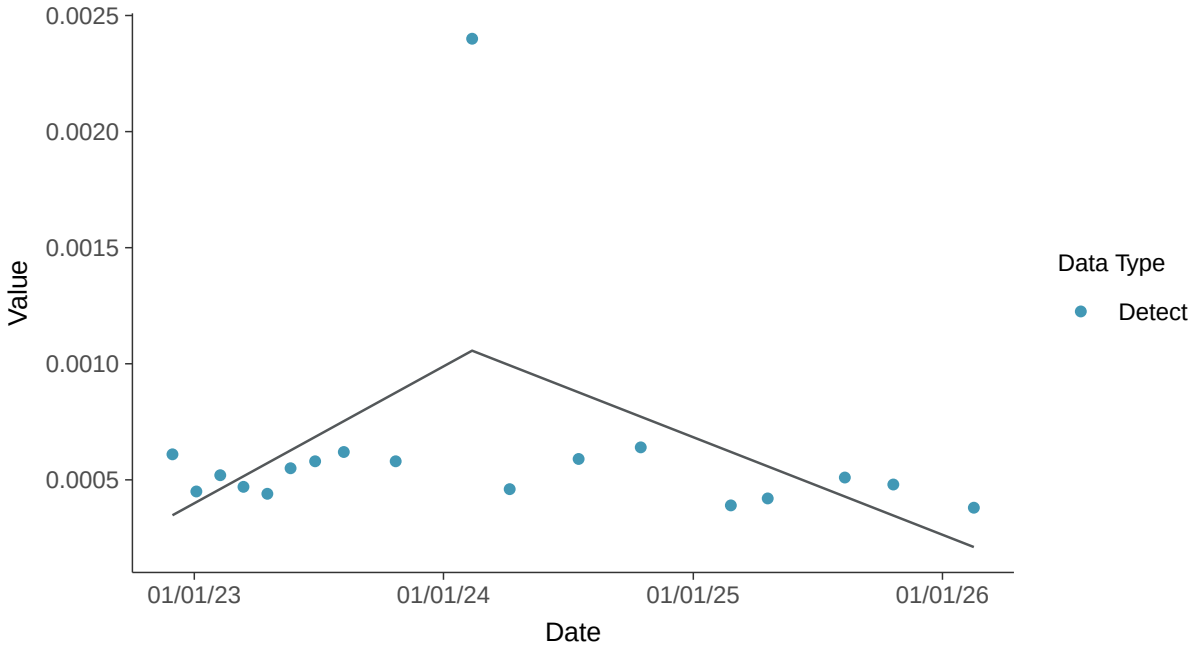
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Arsenic, MW-32 (mg/L)



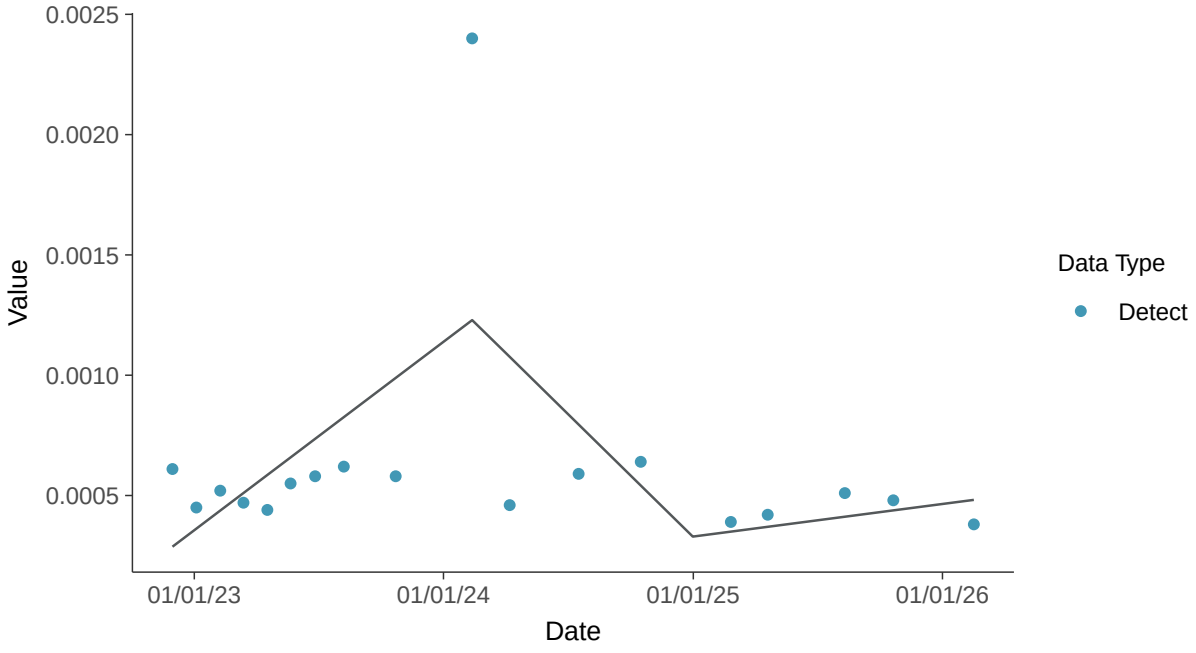
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-32 (mg/L)



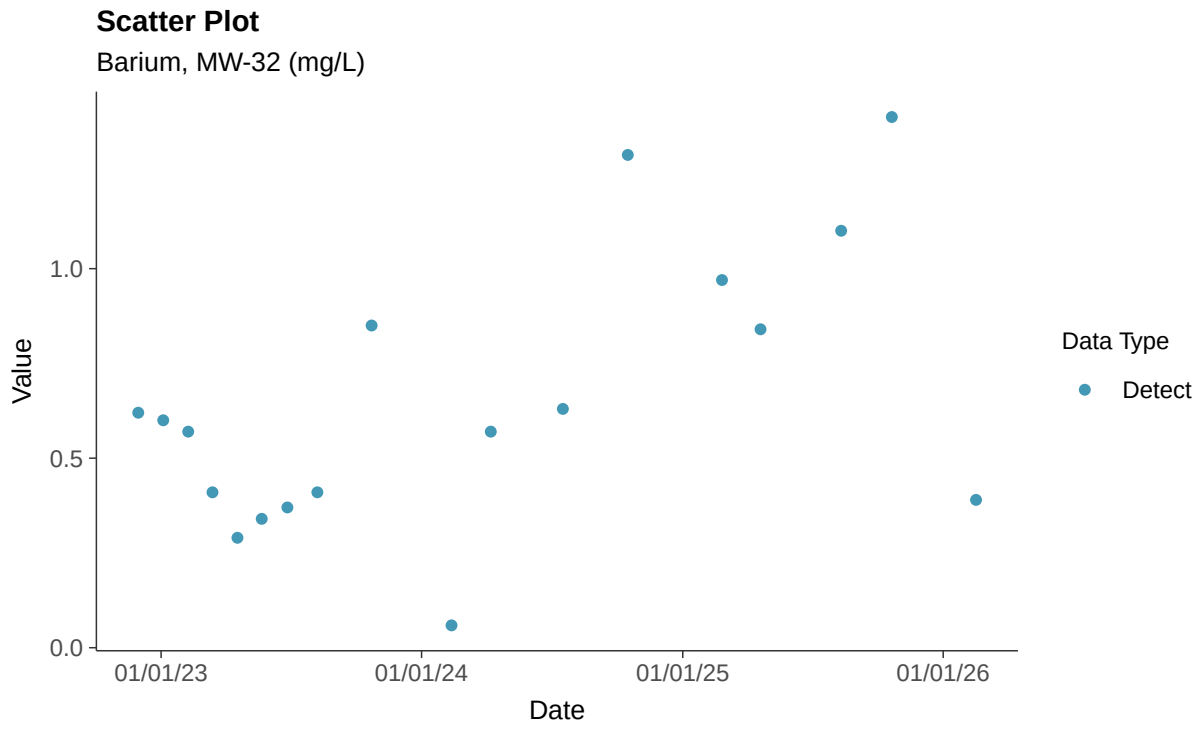
Trend Regression: Piecewise Linear-Linear-Linear

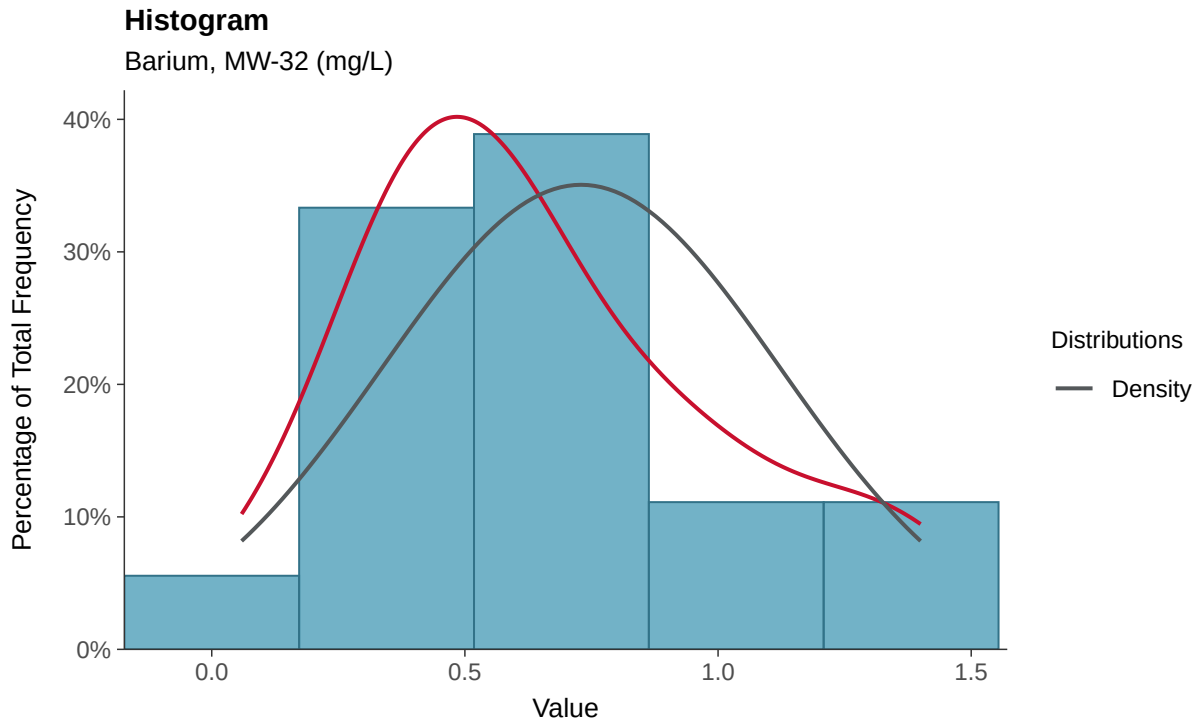
Arsenic, MW-32 (mg/L)



Appendix IV: Barium, MW-32

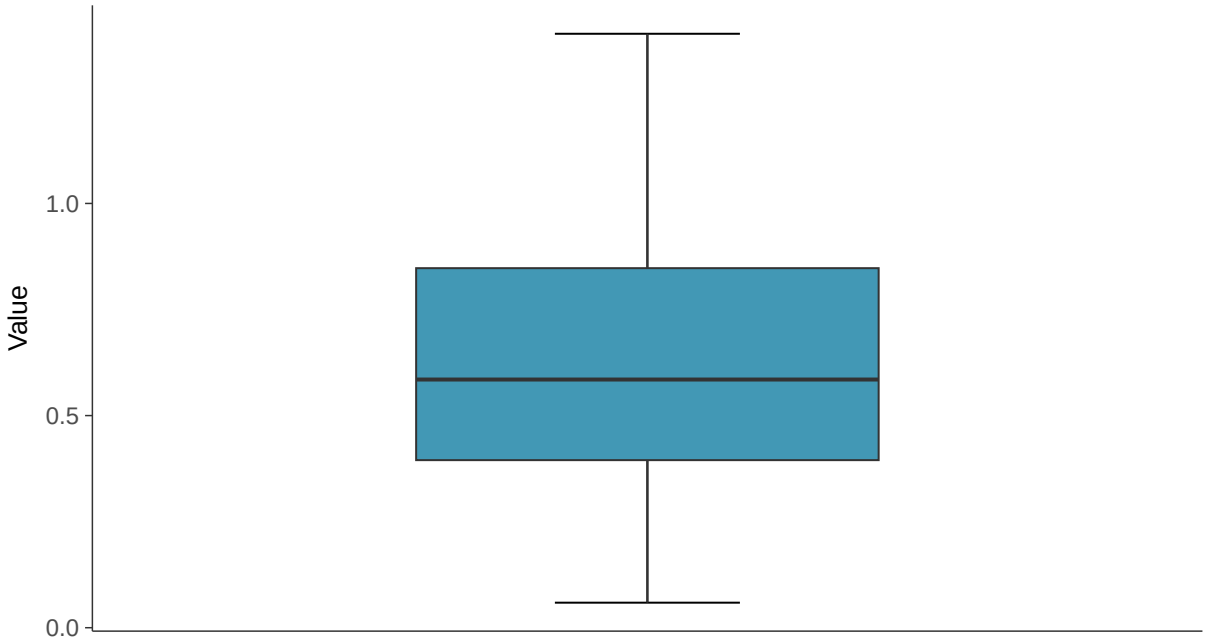
ID: 42_1_4_103





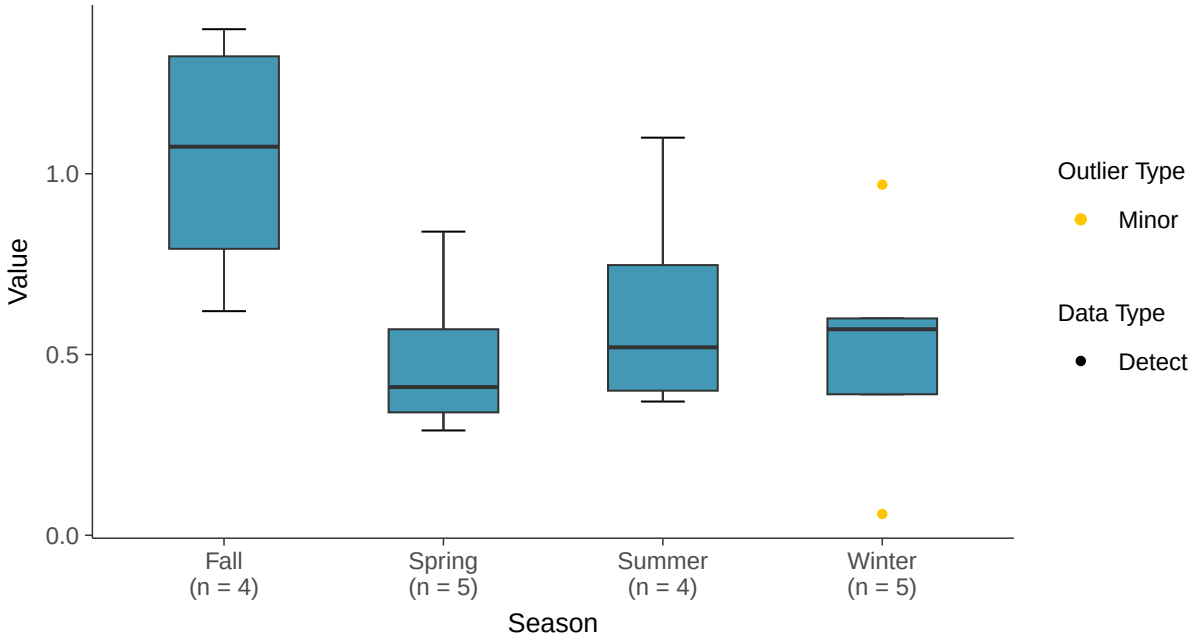
Boxplot

Barium, MW-32 (mg/L)



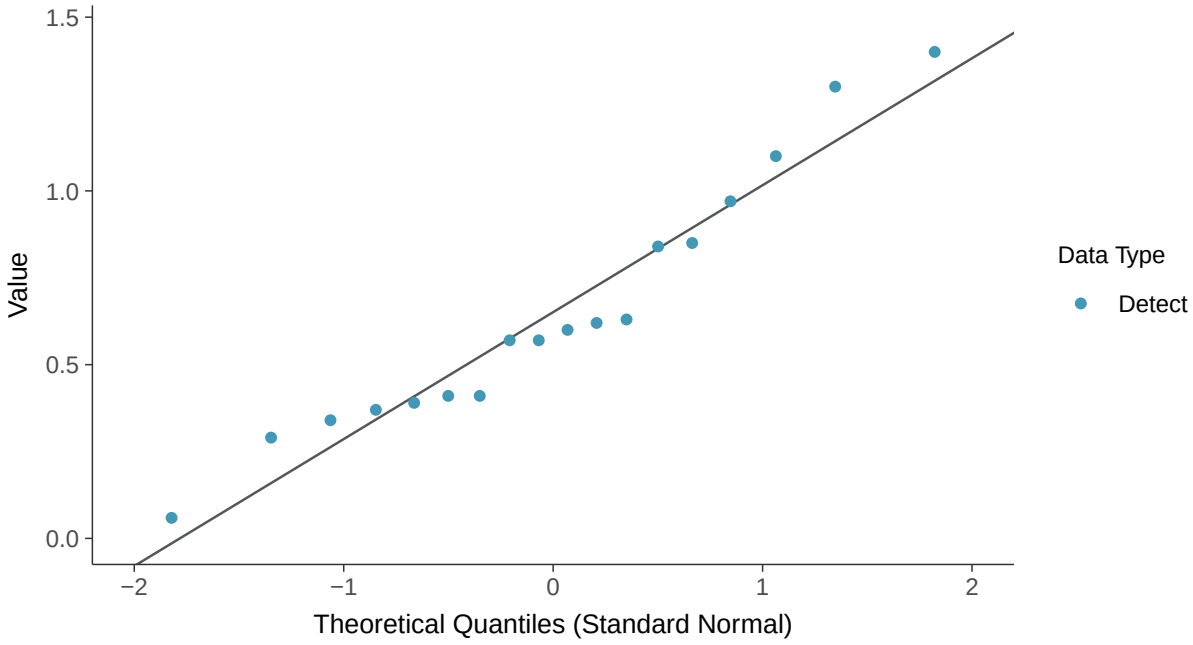
Boxplot by Season

Barium, MW-32 (mg/L)



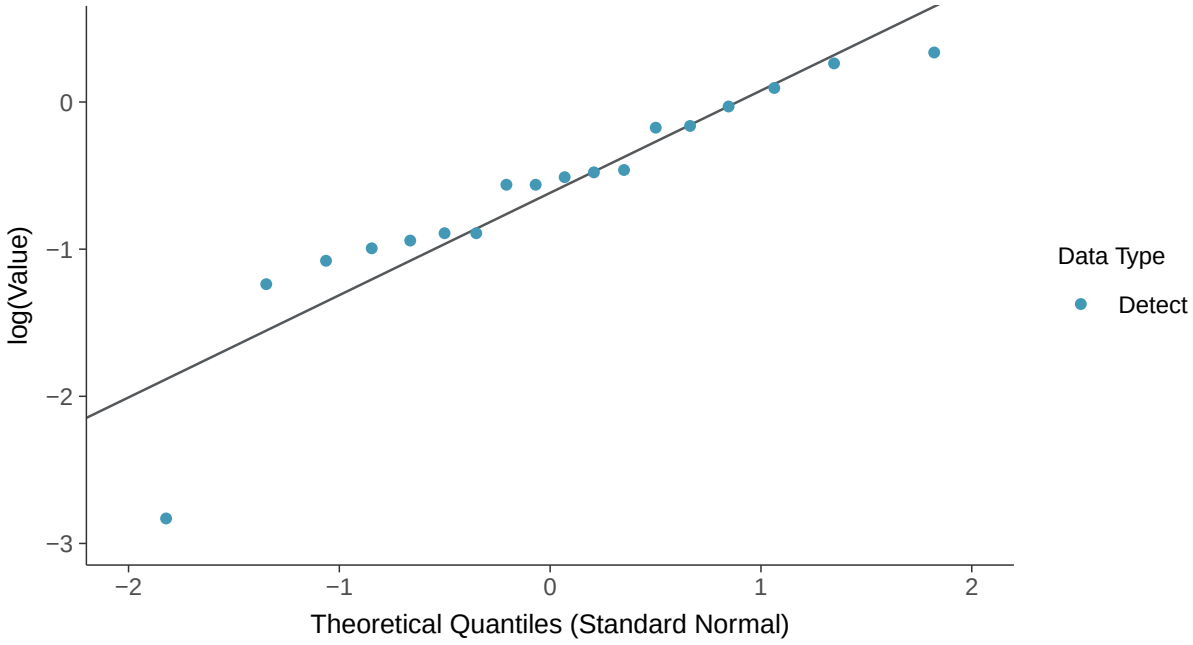
Normal Q-Q plot

Barium, MW-32 (mg/L)



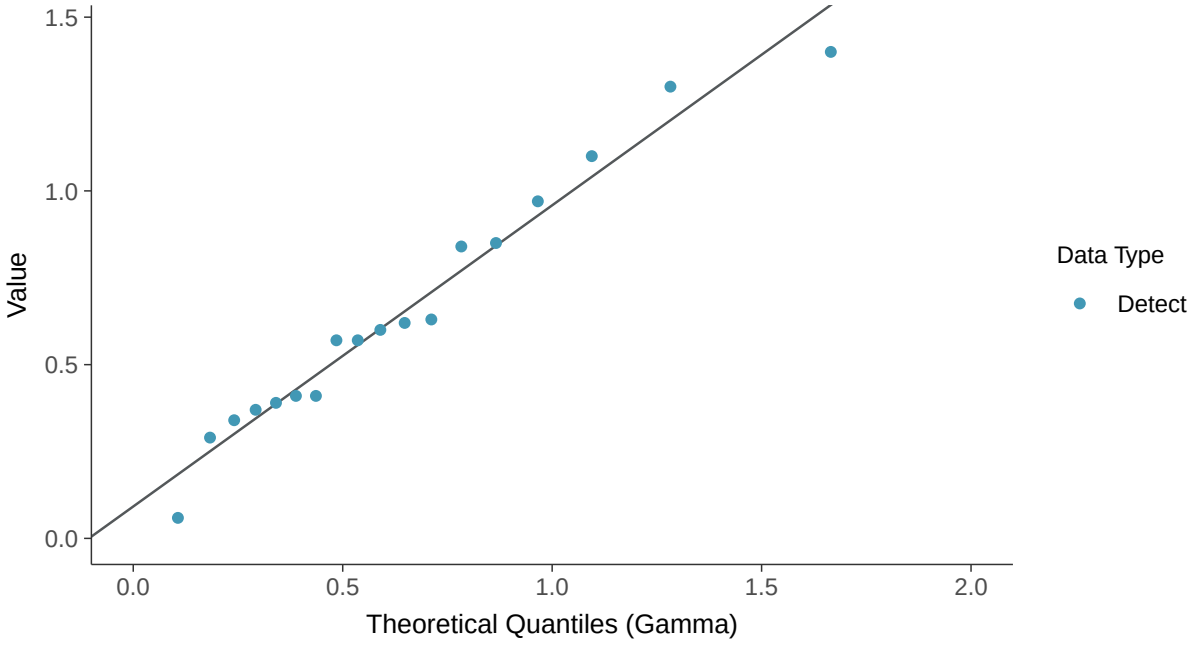
Lognormal Q-Q plot

Barium, MW-32 (mg/L)



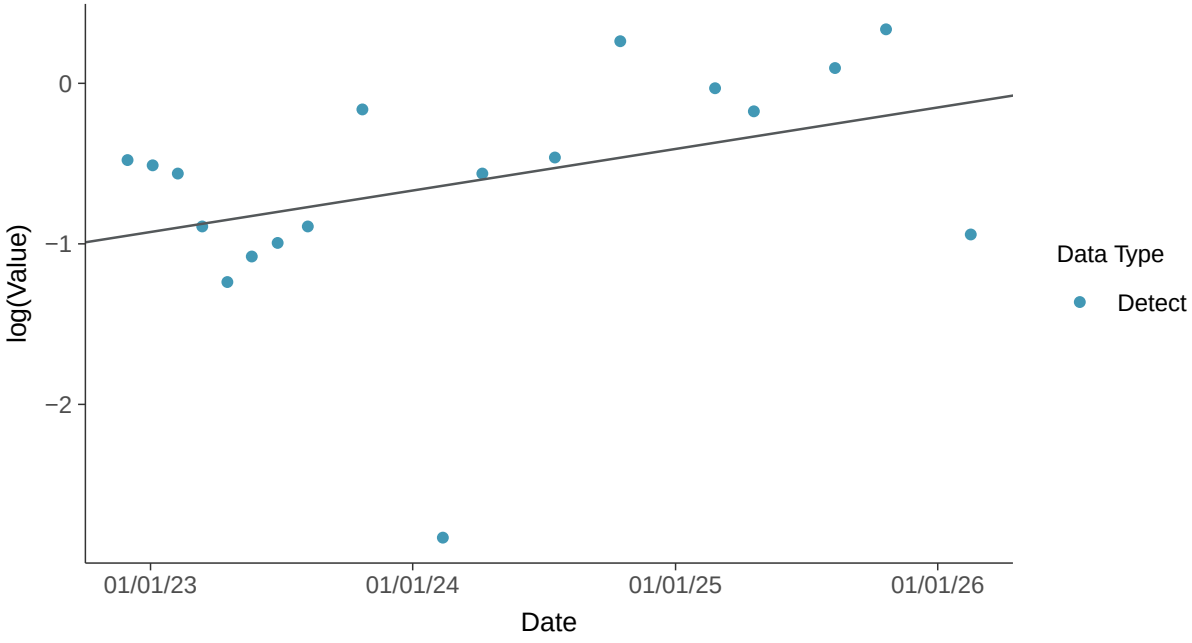
Gamma Q-Q plot

Barium, MW-32 (mg/L)



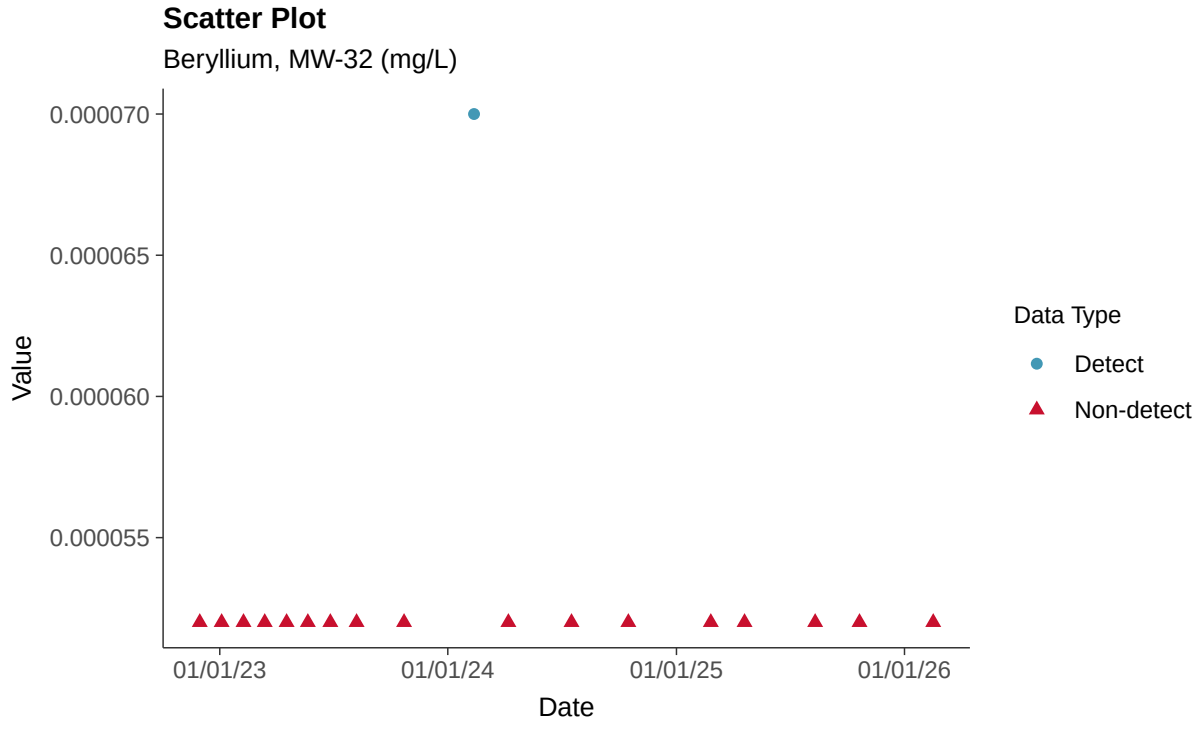
Trend Regression: Lognormal MLE

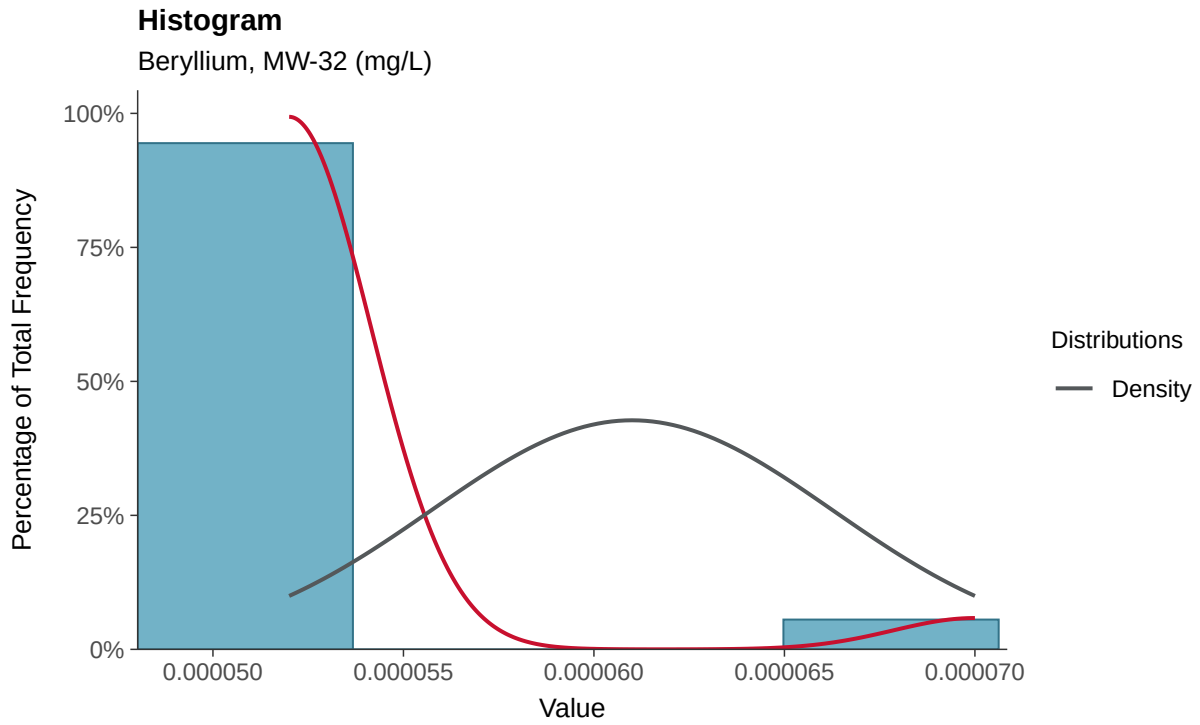
Barium, MW-32 (mg/L)



Appendix IV: Beryllium, MW-32

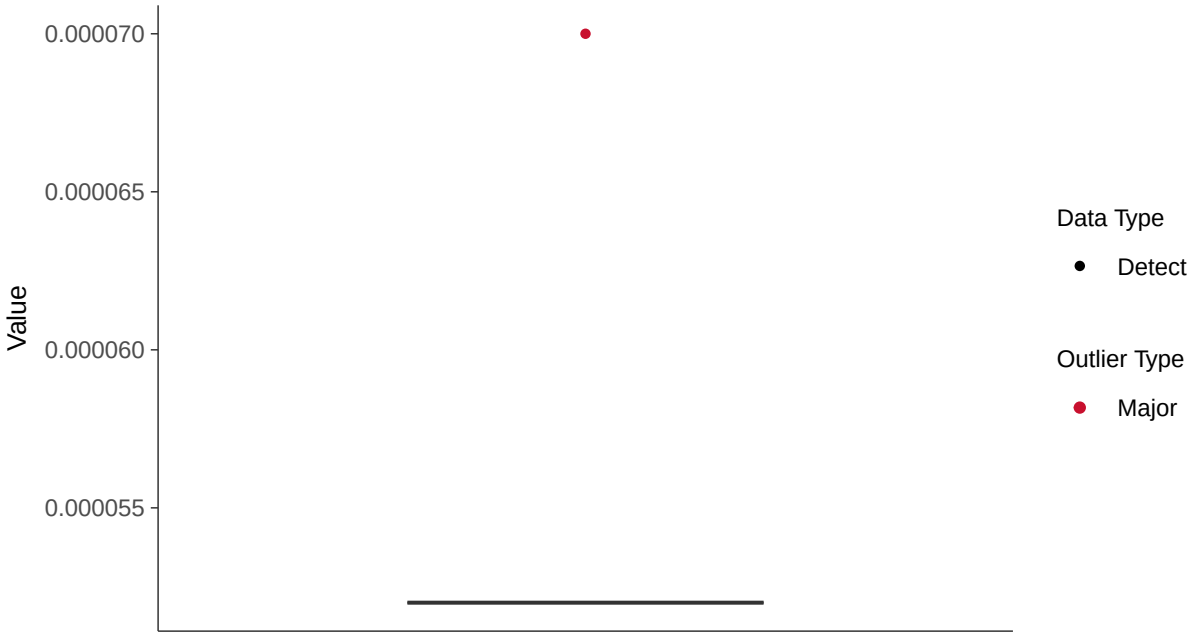
ID: 42_1_4_104





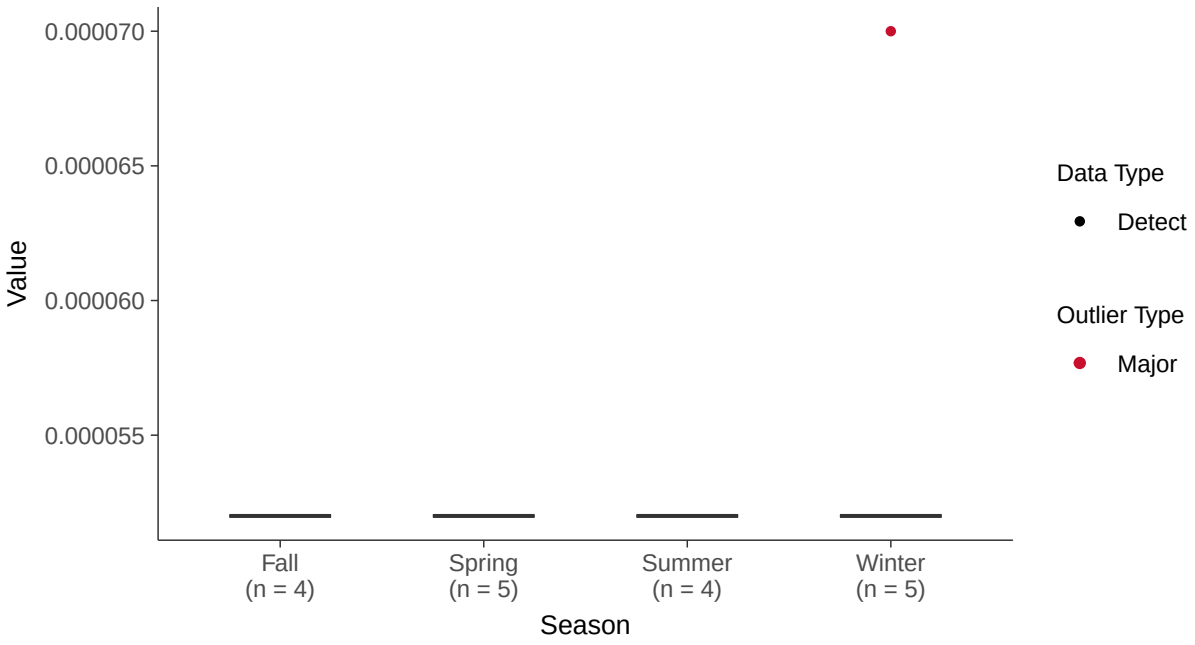
Boxplot

Beryllium, MW-32 (mg/L)



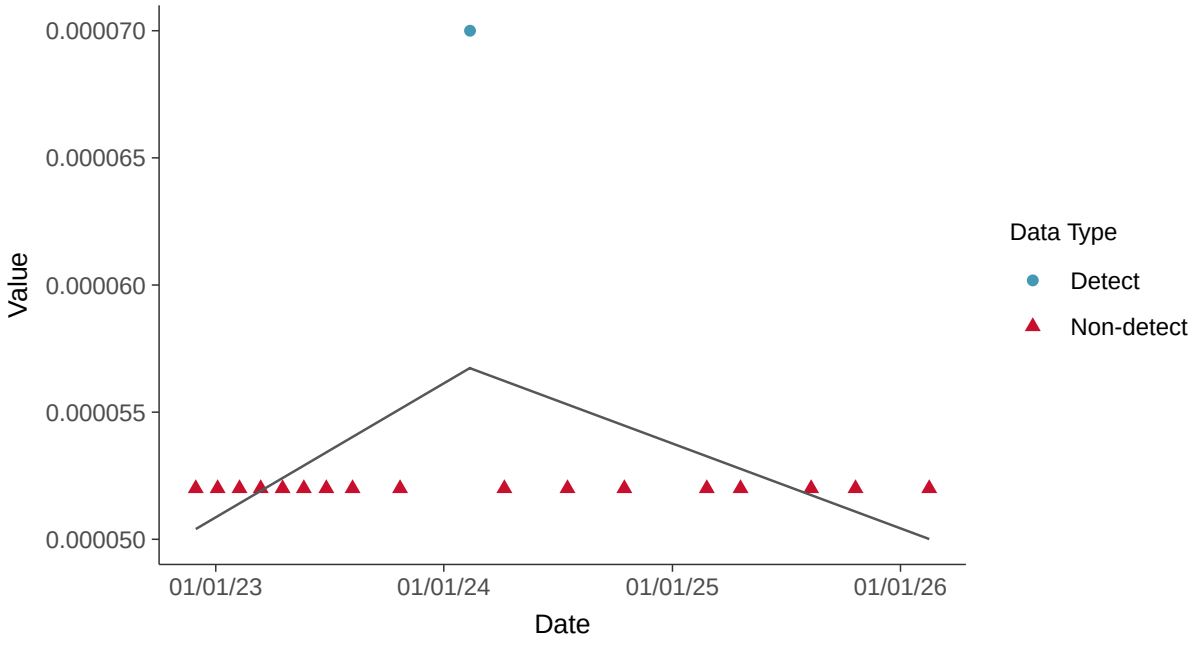
Boxplot by Season

Beryllium, MW-32 (mg/L)



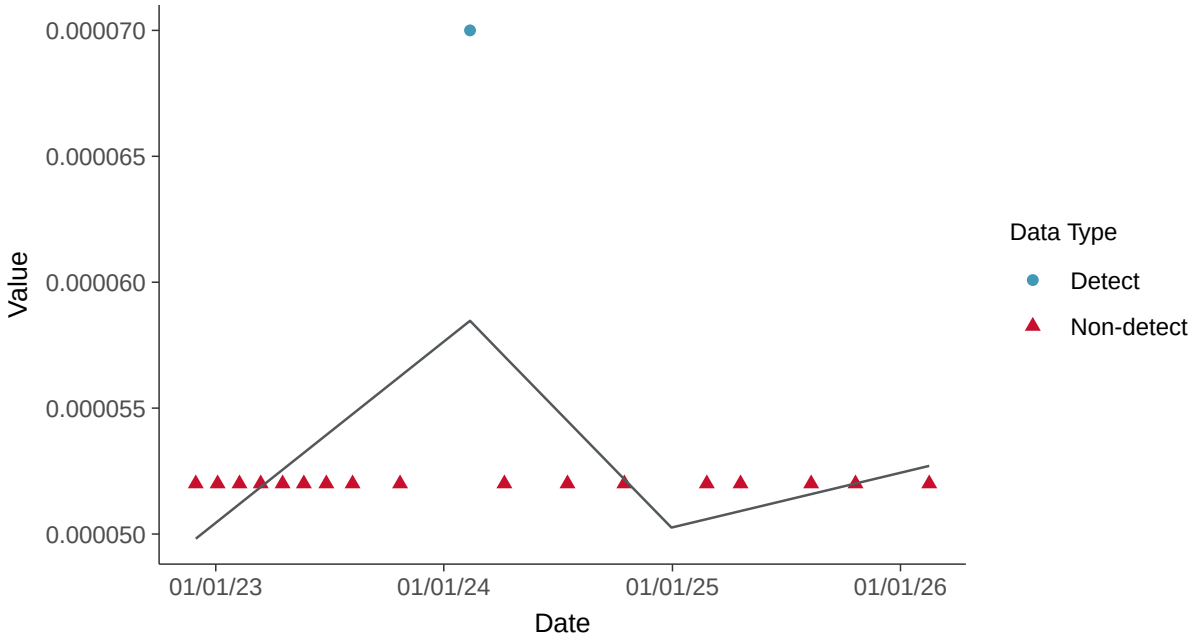
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-32 (mg/L)



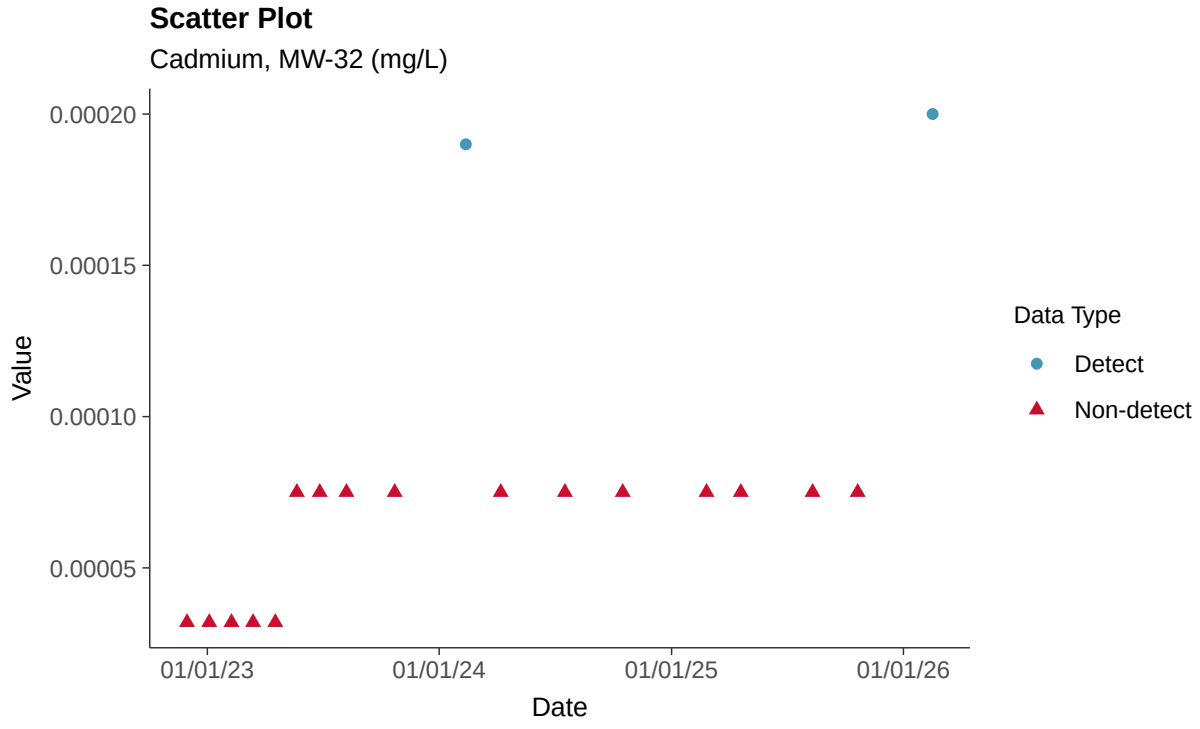
Trend Regression: Piecewise Linear-Linear-Linear

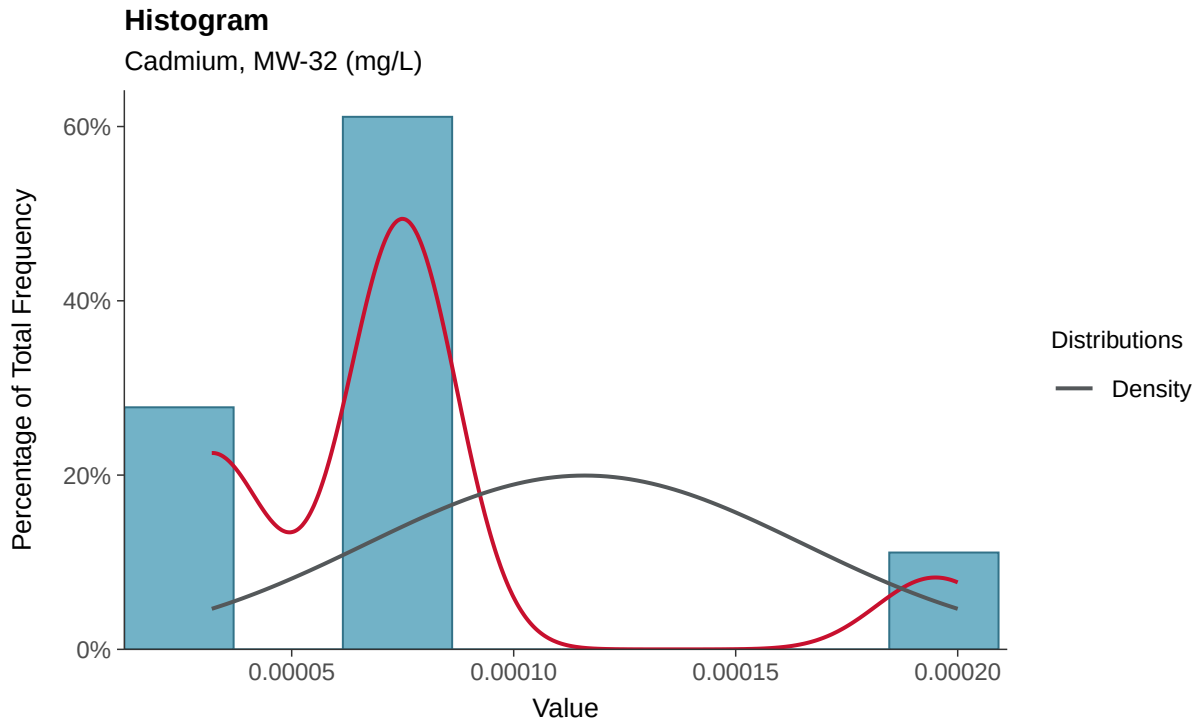
Beryllium, MW-32 (mg/L)



Appendix IV: Cadmium, MW-32

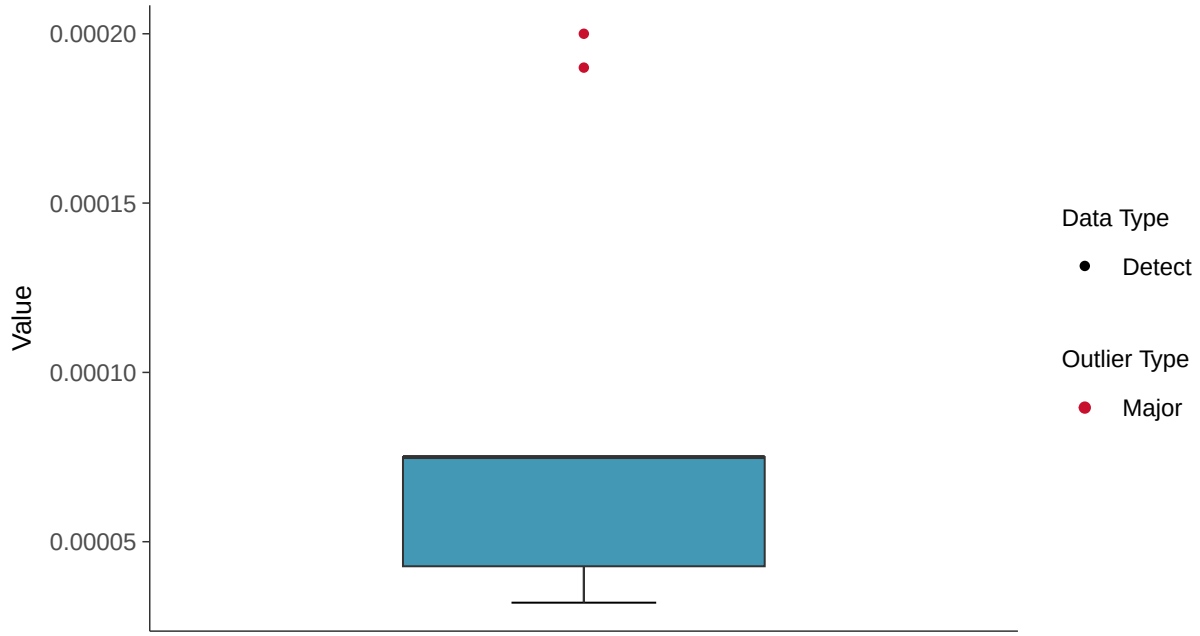
ID: 42_1_4_106





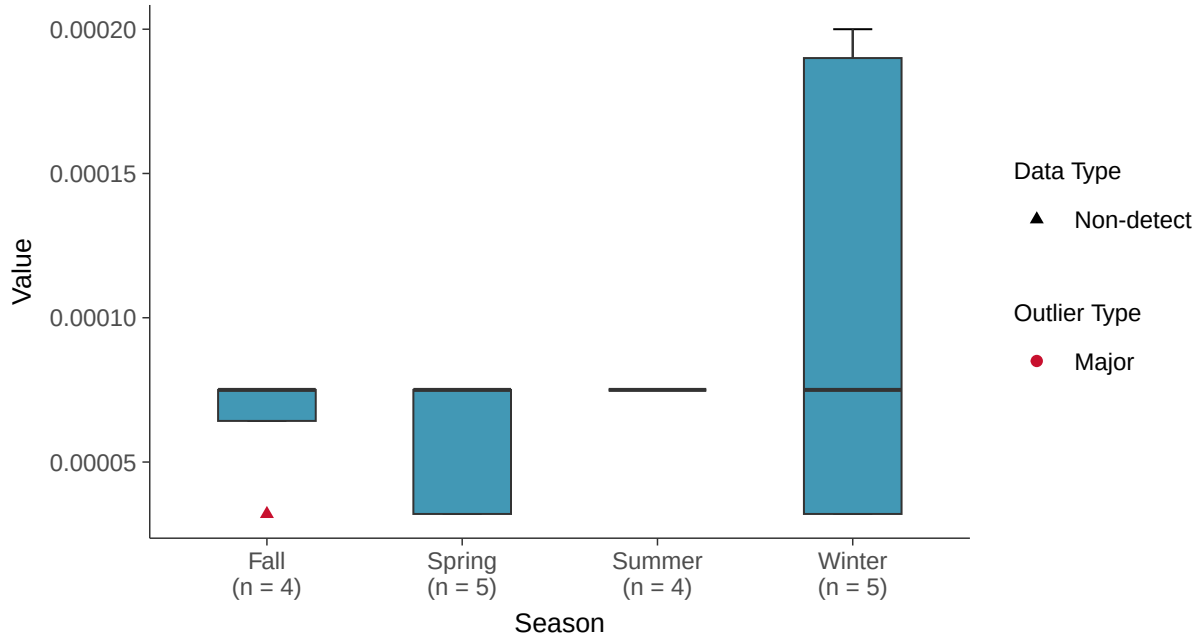
Boxplot

Cadmium, MW-32 (mg/L)



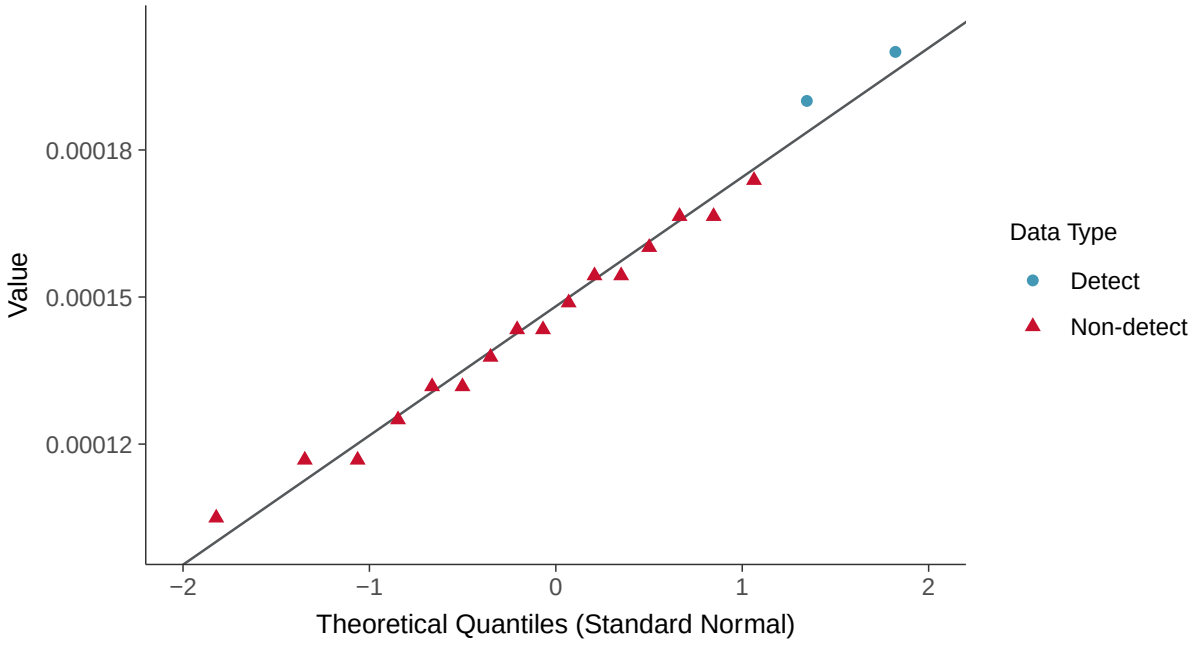
Boxplot by Season

Cadmium, MW-32 (mg/L)



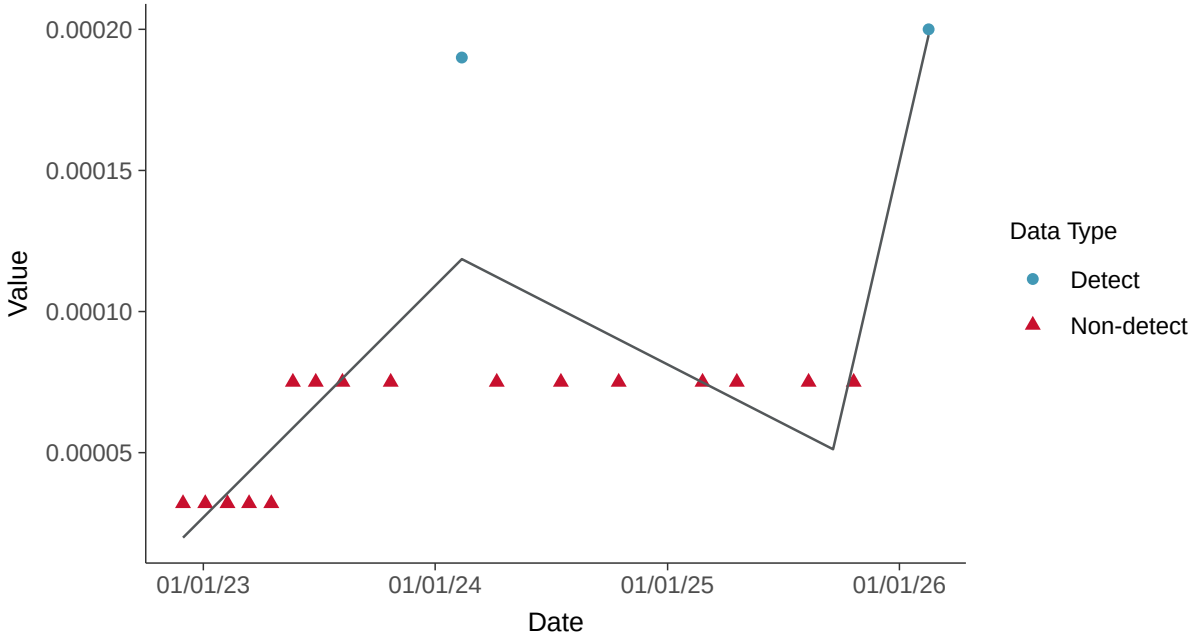
Normal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-32 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Cadmium, MW-32 (mg/L)

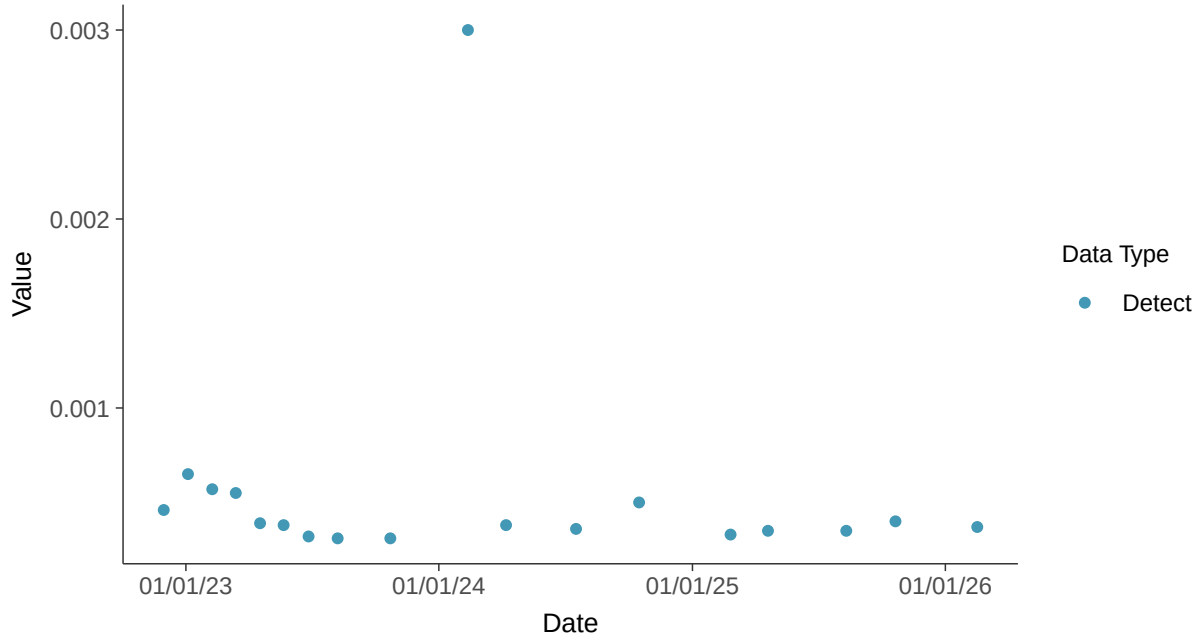


Appendix IV: Chromium, Total, MW-32

ID: 42_1_4_109

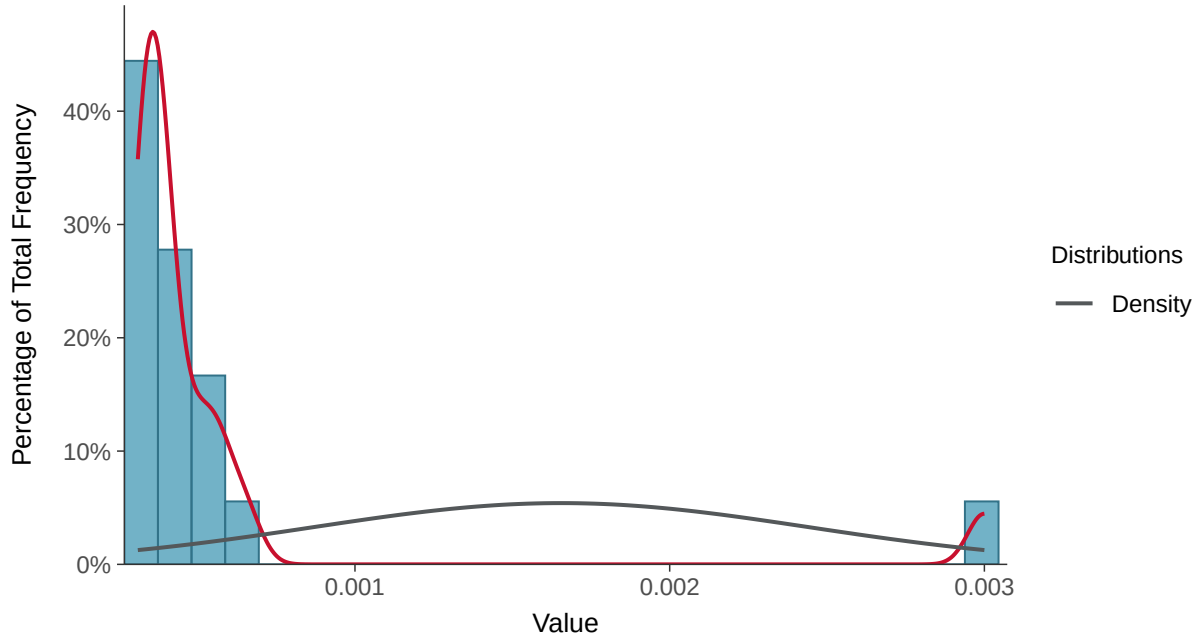
Scatter Plot

Chromium, Total, MW-32 (mg/L)



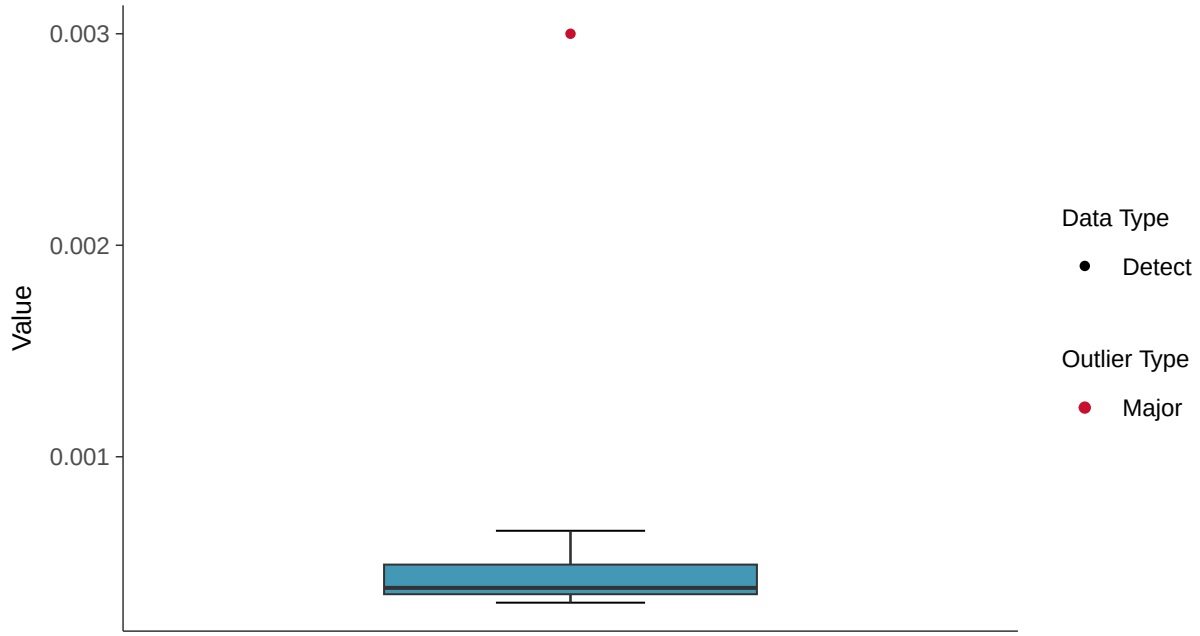
Histogram

Chromium, Total, MW-32 (mg/L)



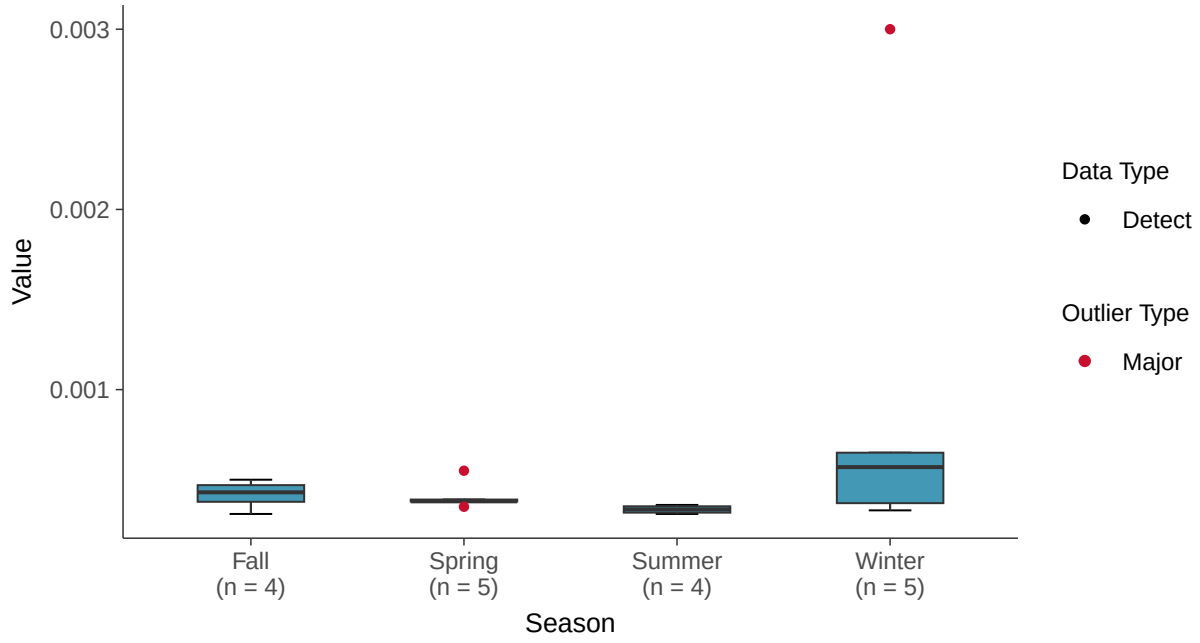
Boxplot

Chromium, Total, MW-32 (mg/L)



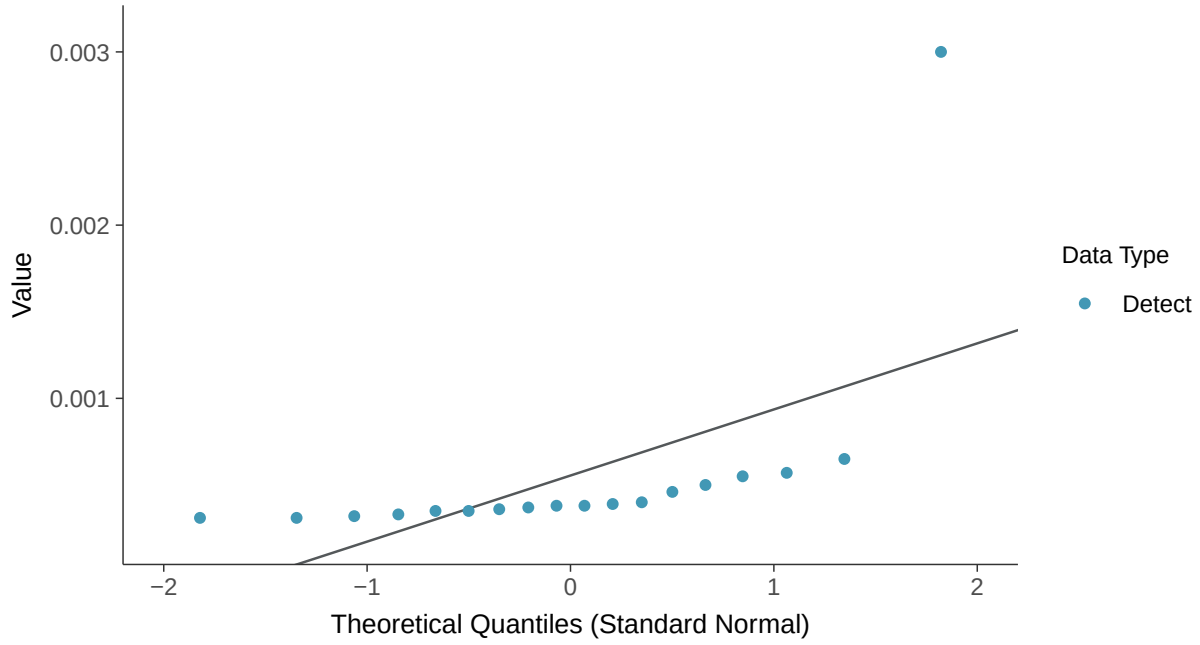
Boxplot by Season

Chromium, Total, MW-32 (mg/L)



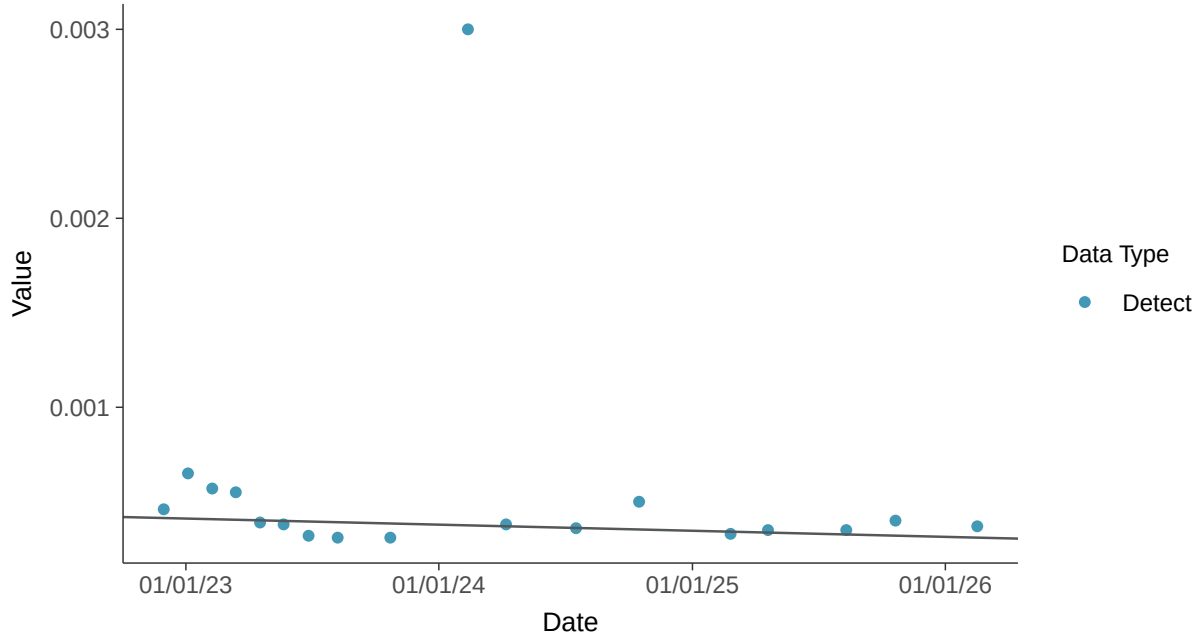
Normal Q-Q plot

Chromium, Total, MW-32 (mg/L)



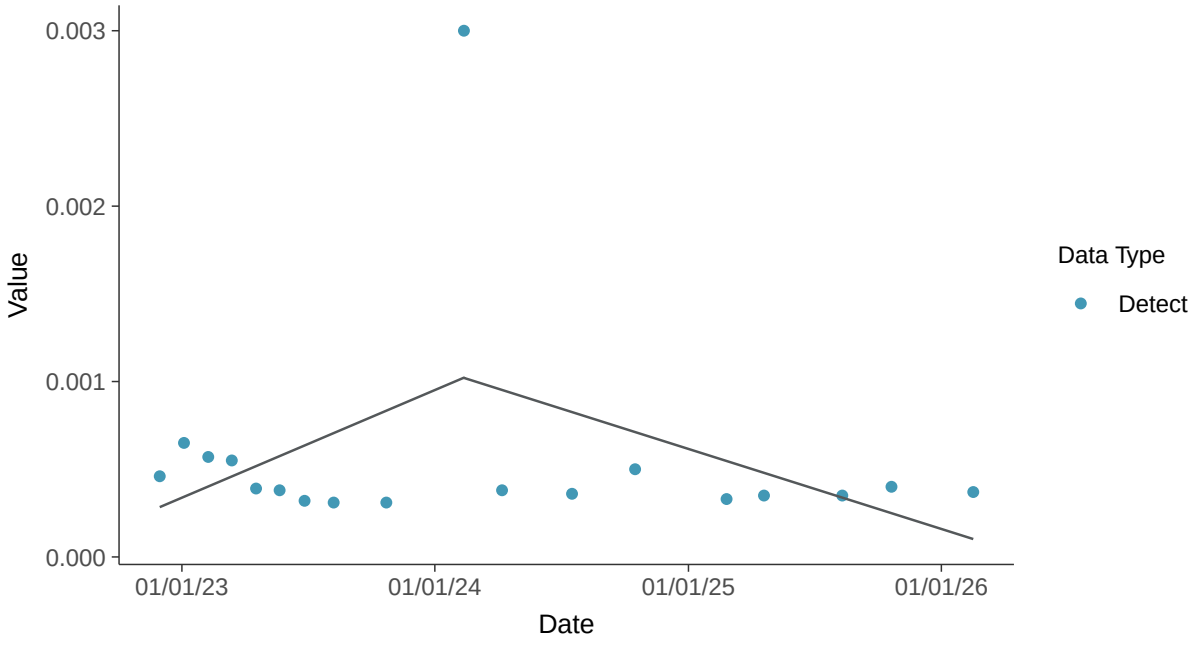
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Chromium, Total, MW-32 (mg/L)



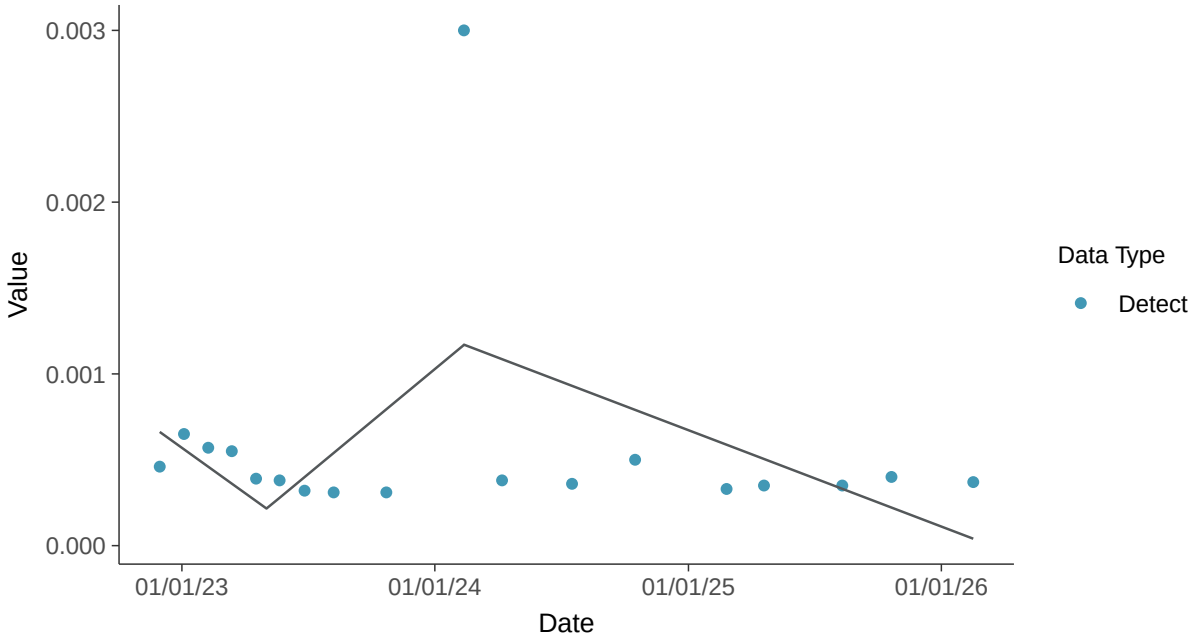
Trend Regression: Piecewise Linear-Linear

Chromium, Total, MW-32 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Chromium, Total, MW-32 (mg/L)

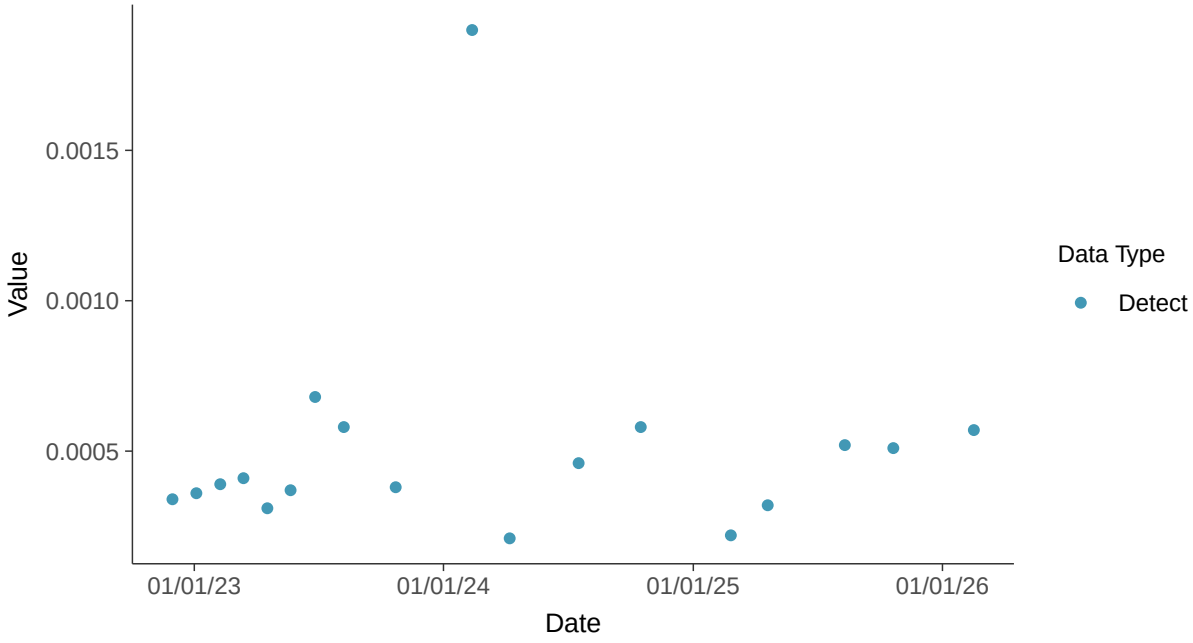


Appendix IV: Cobalt, MW-32

ID: 42_1_4_110

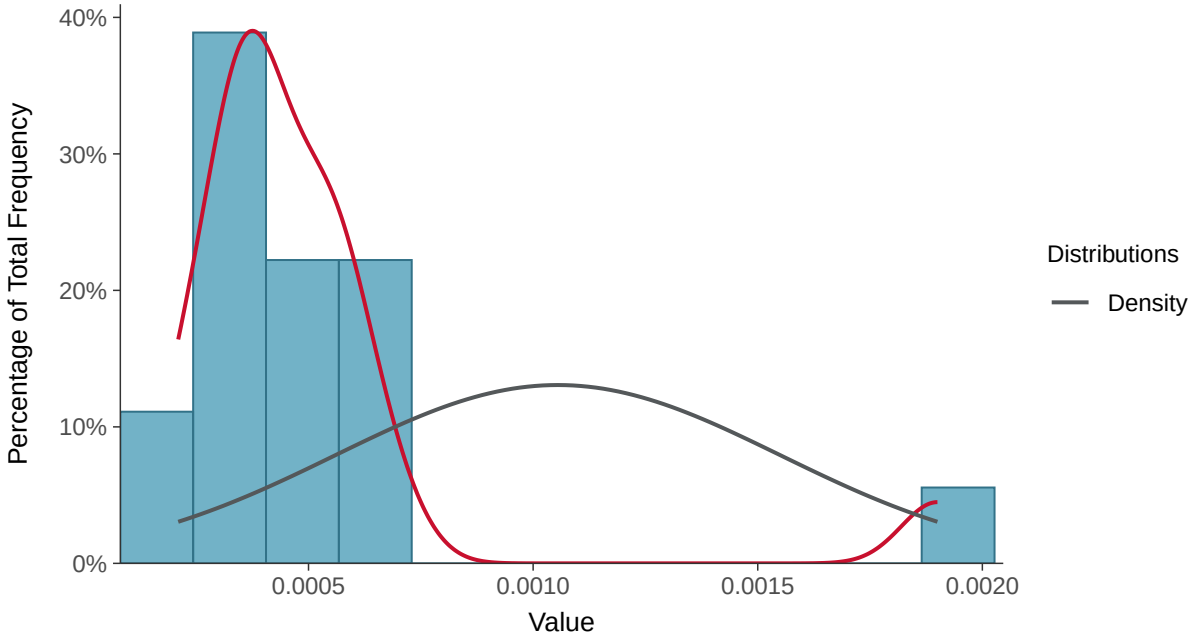
Scatter Plot

Cobalt, MW-32 (mg/L)



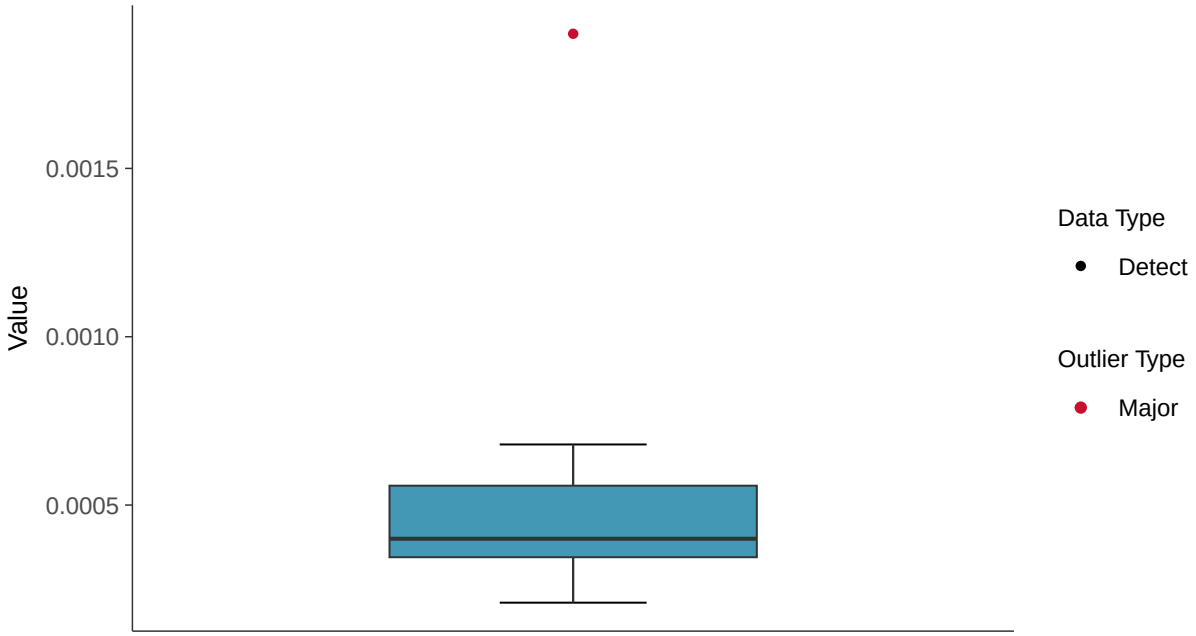
Histogram

Cobalt, MW-32 (mg/L)



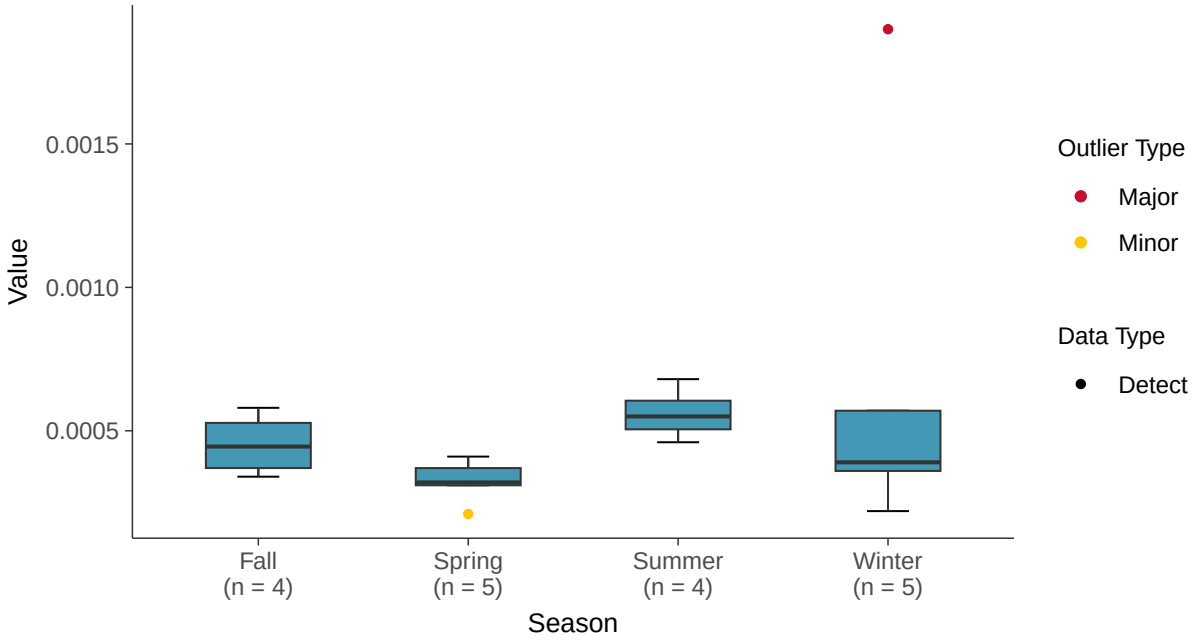
Boxplot

Cobalt, MW-32 (mg/L)



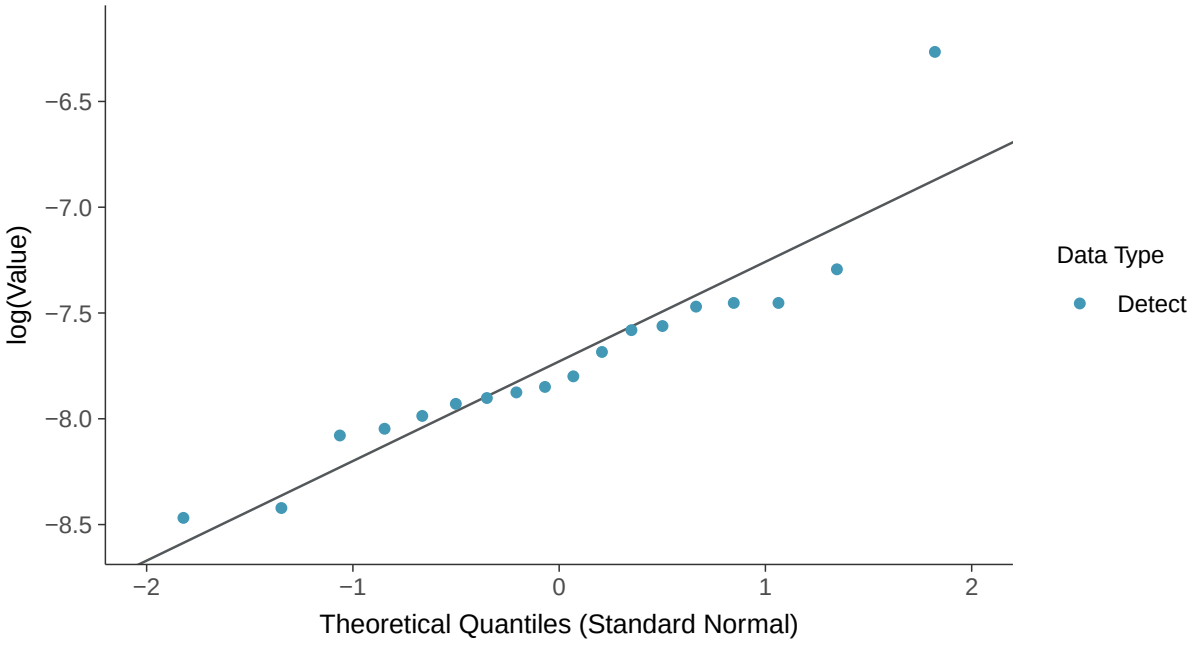
Boxplot by Season

Cobalt, MW-32 (mg/L)



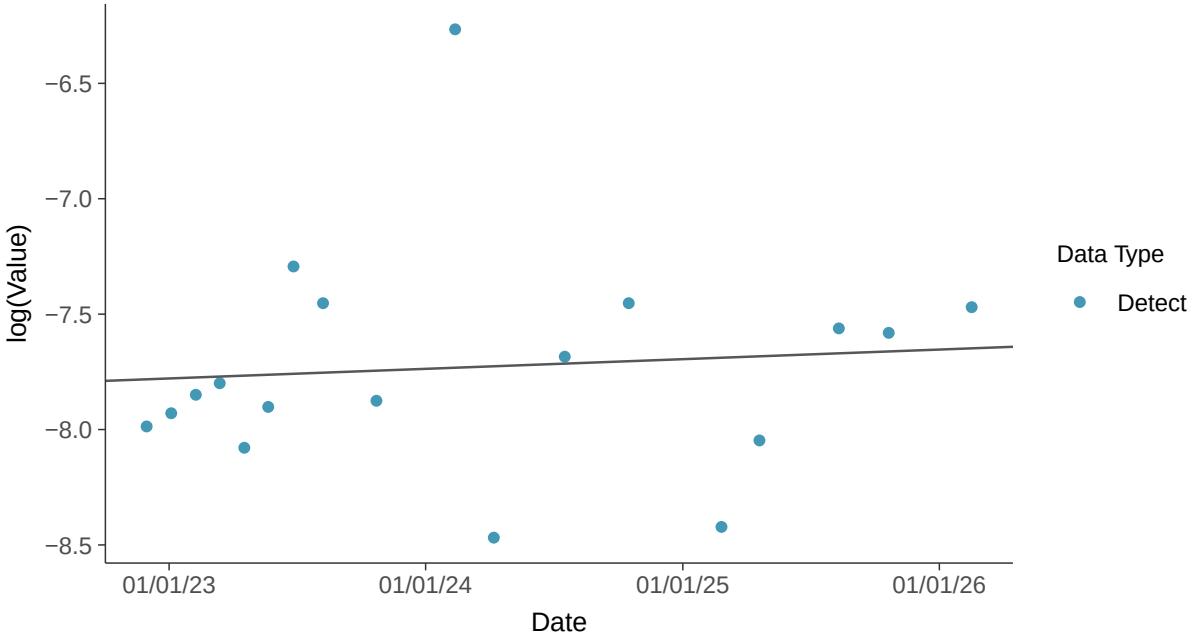
Lognormal Q-Q plot

Cobalt, MW-32 (mg/L)



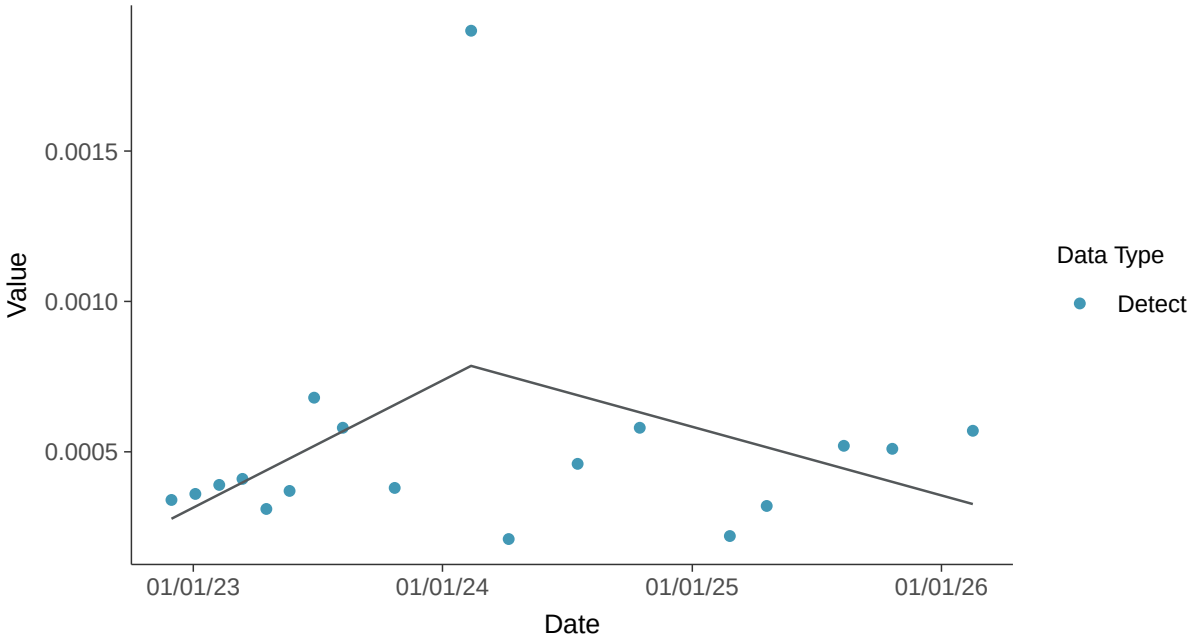
Trend Regression: Lognormal MLE

Cobalt, MW-32 (mg/L)



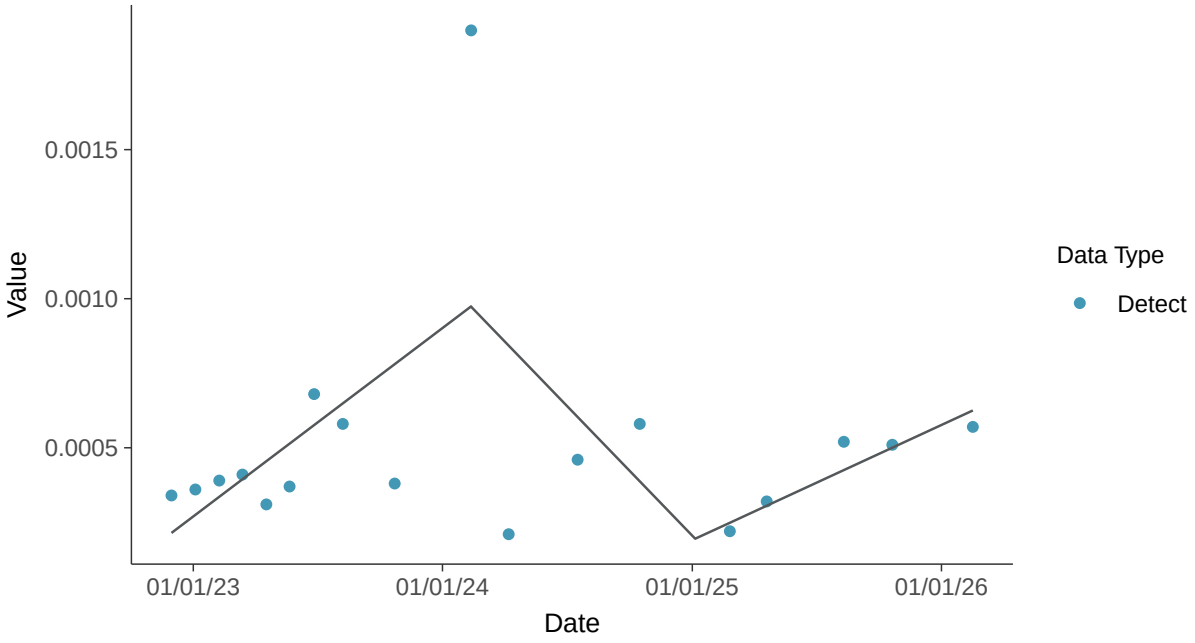
Trend Regression: Piecewise Linear-Linear

Cobalt, MW-32 (mg/L)



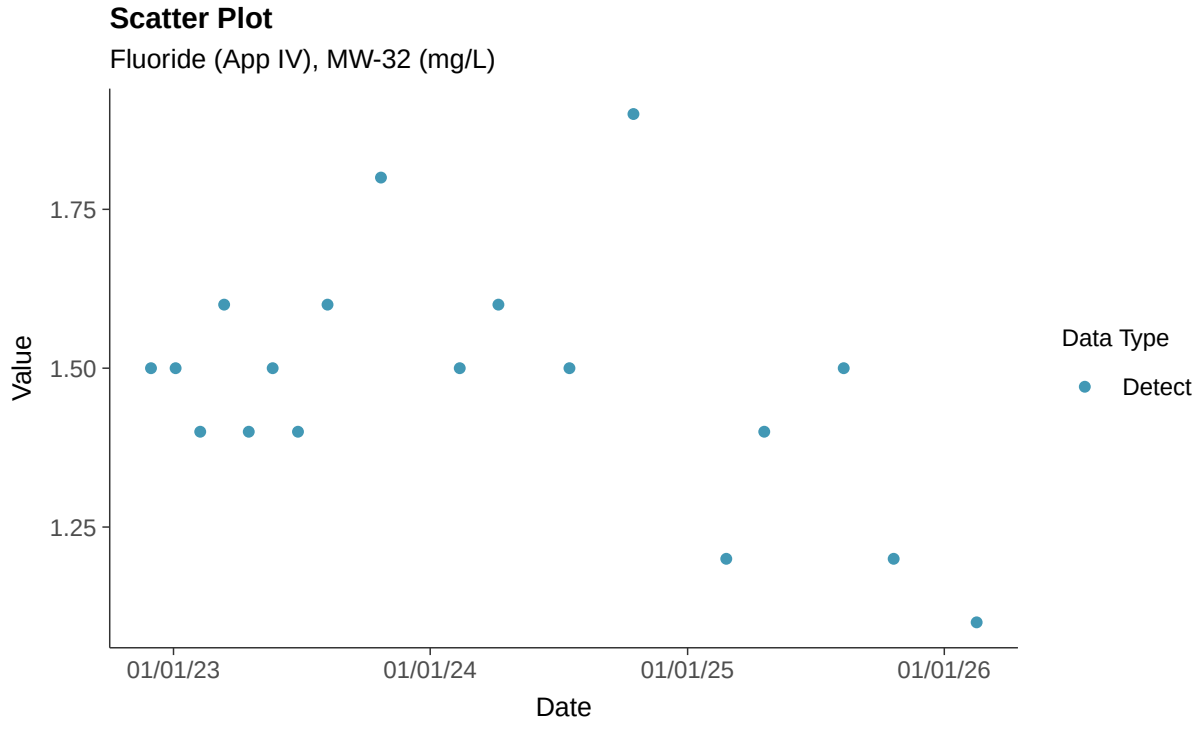
Trend Regression: Piecewise Linear-Linear-Linear

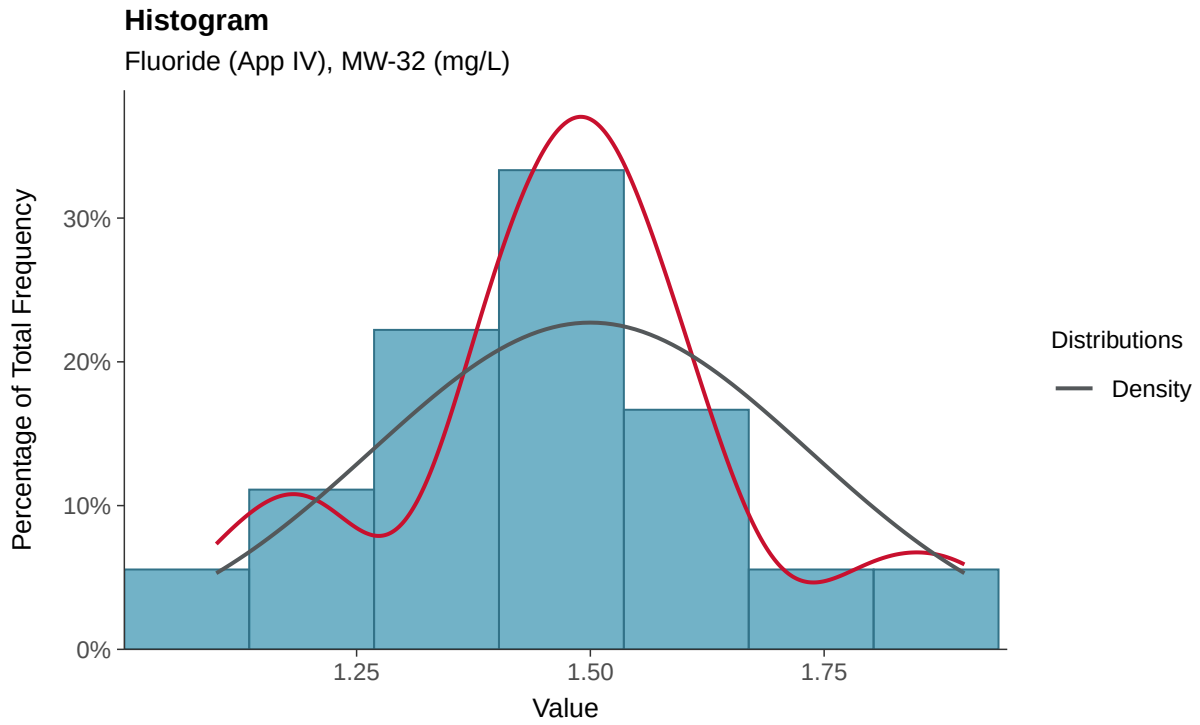
Cobalt, MW-32 (mg/L)



Appendix IV: Fluoride (App IV), MW-32

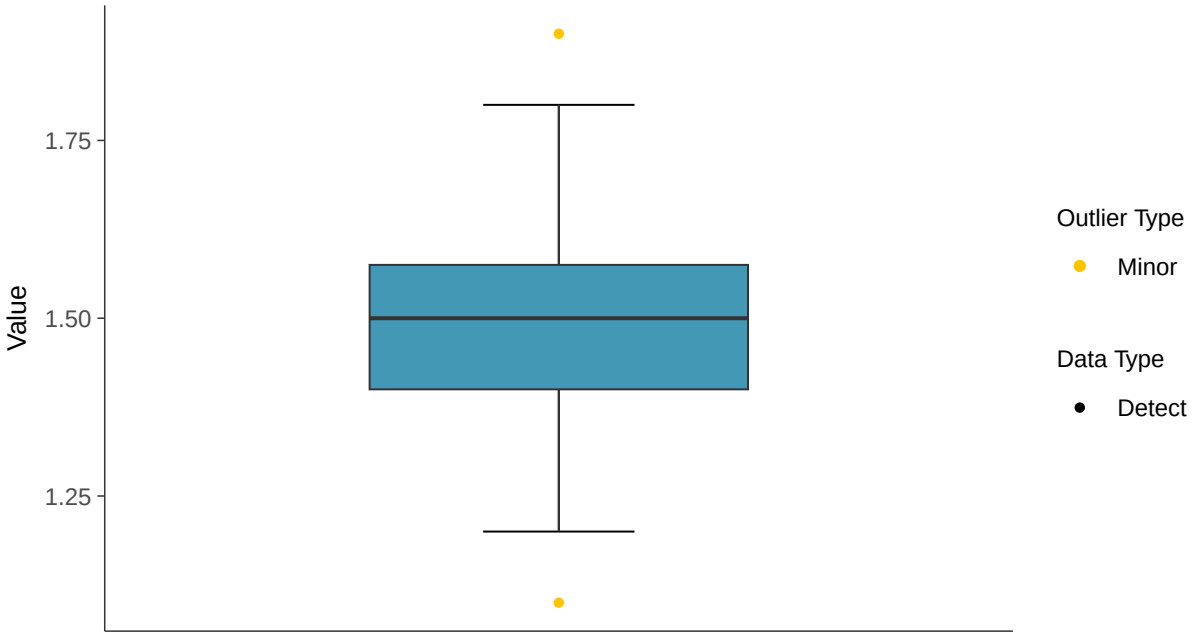
ID: 42_1_4_113





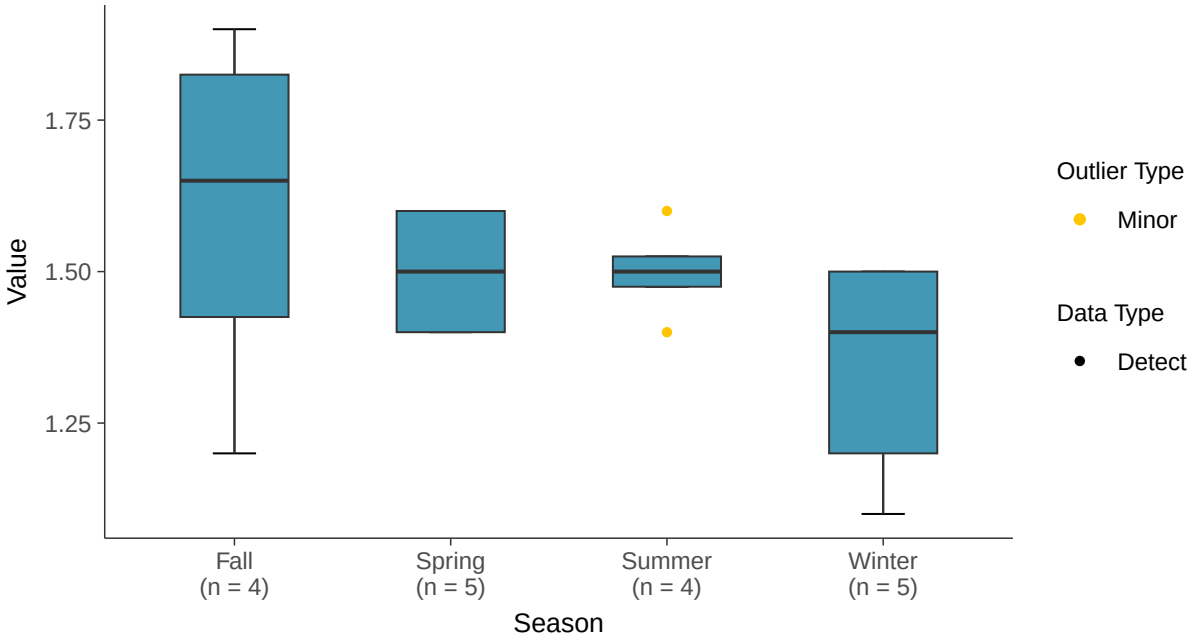
Boxplot

Fluoride (App IV), MW-32 (mg/L)



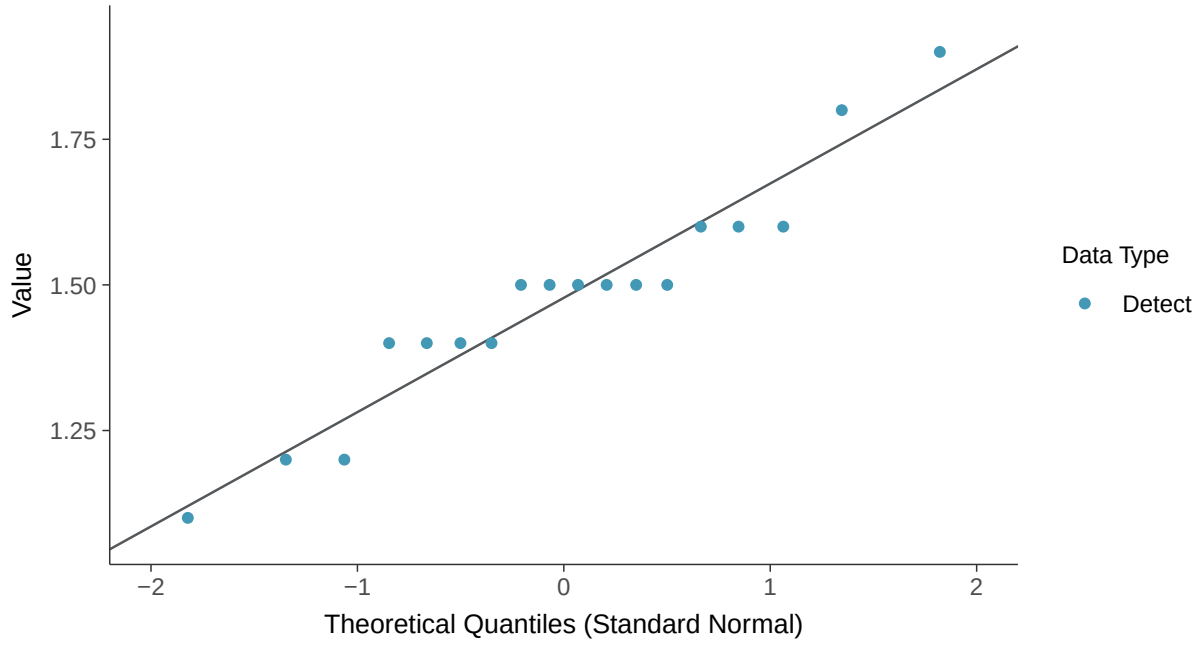
Boxplot by Season

Fluoride (App IV), MW-32 (mg/L)



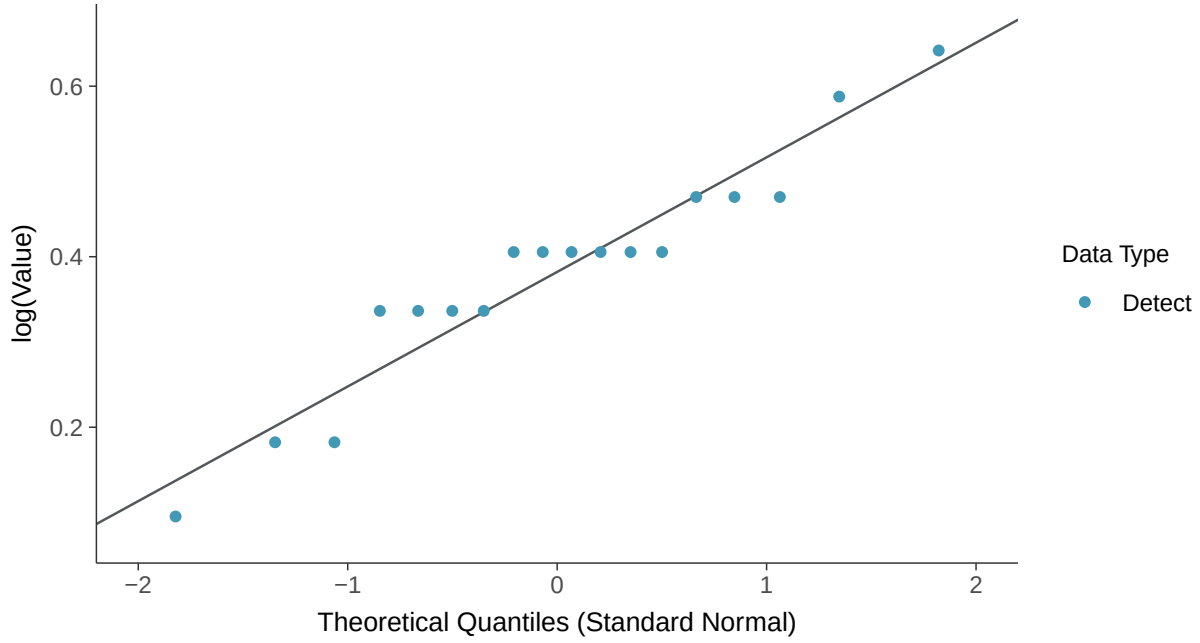
Normal Q-Q plot

Fluoride (App IV), MW-32 (mg/L)



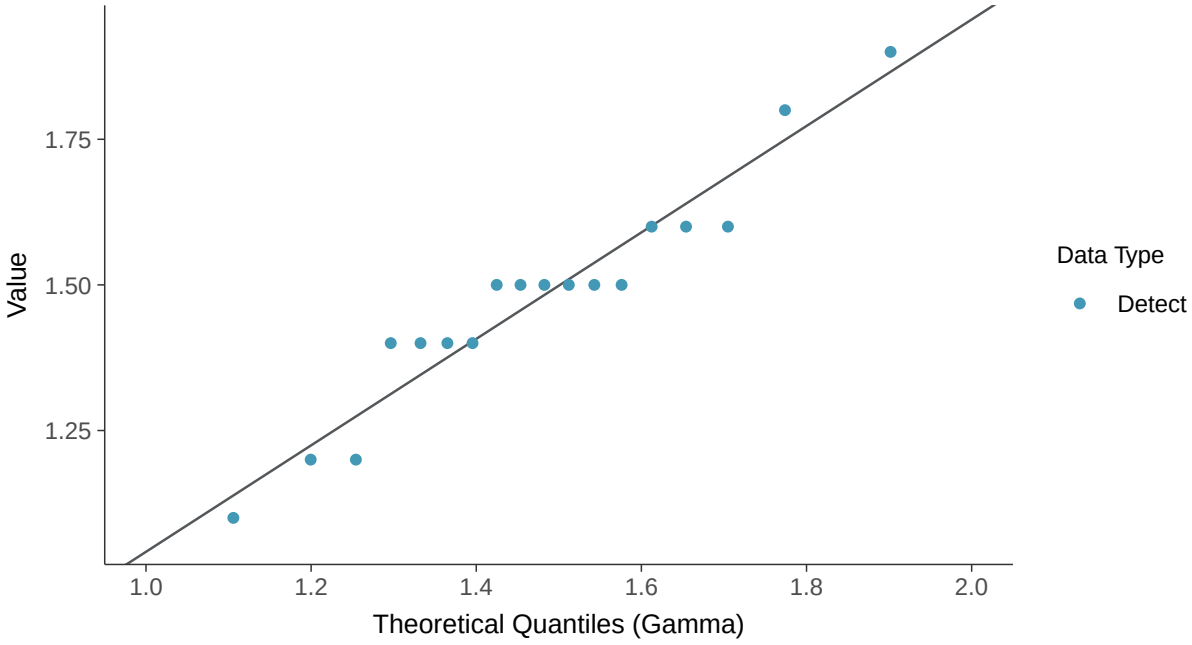
Lognormal Q-Q plot

Fluoride (App IV), MW-32 (mg/L)



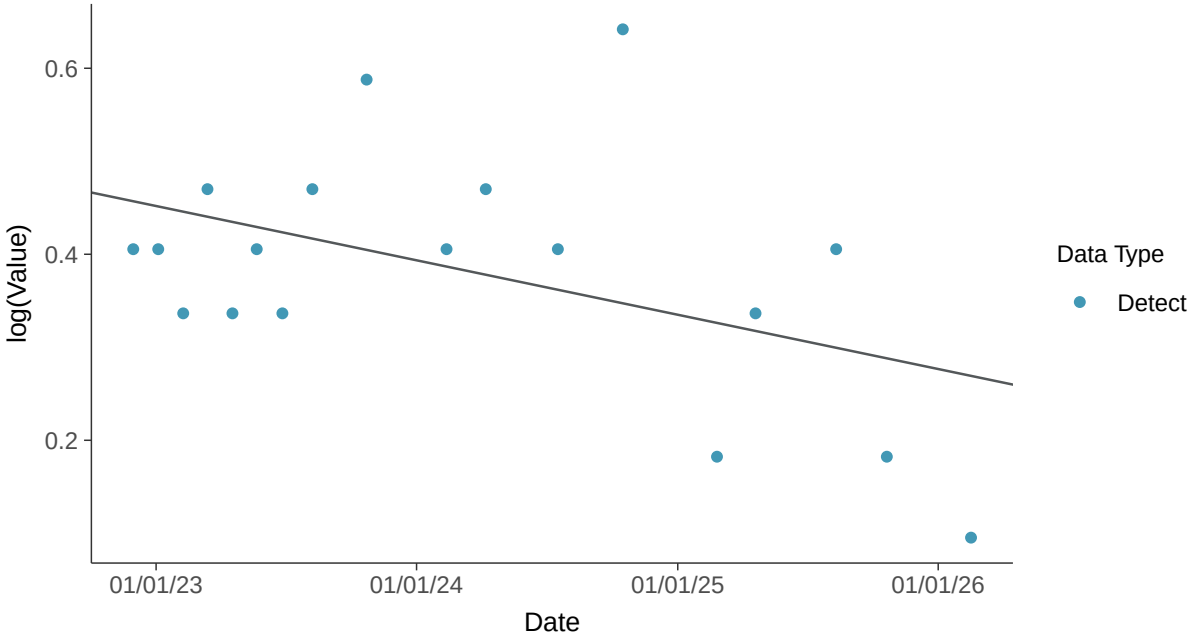
Gamma Q-Q plot

Fluoride (App IV), MW-32 (mg/L)



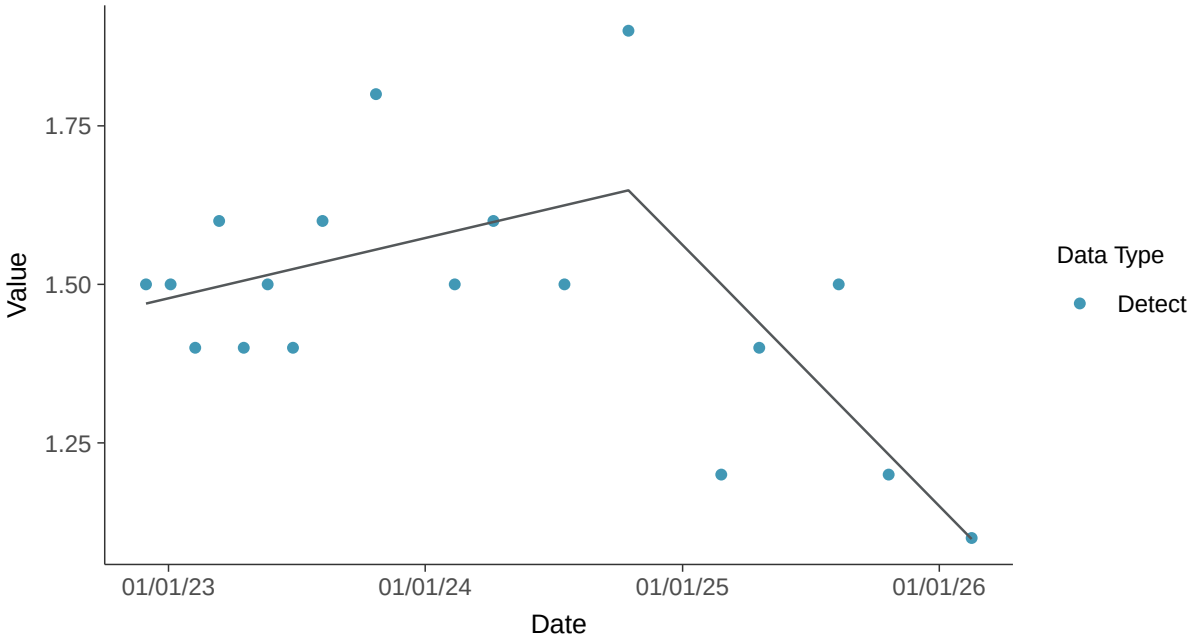
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-32 (mg/L)



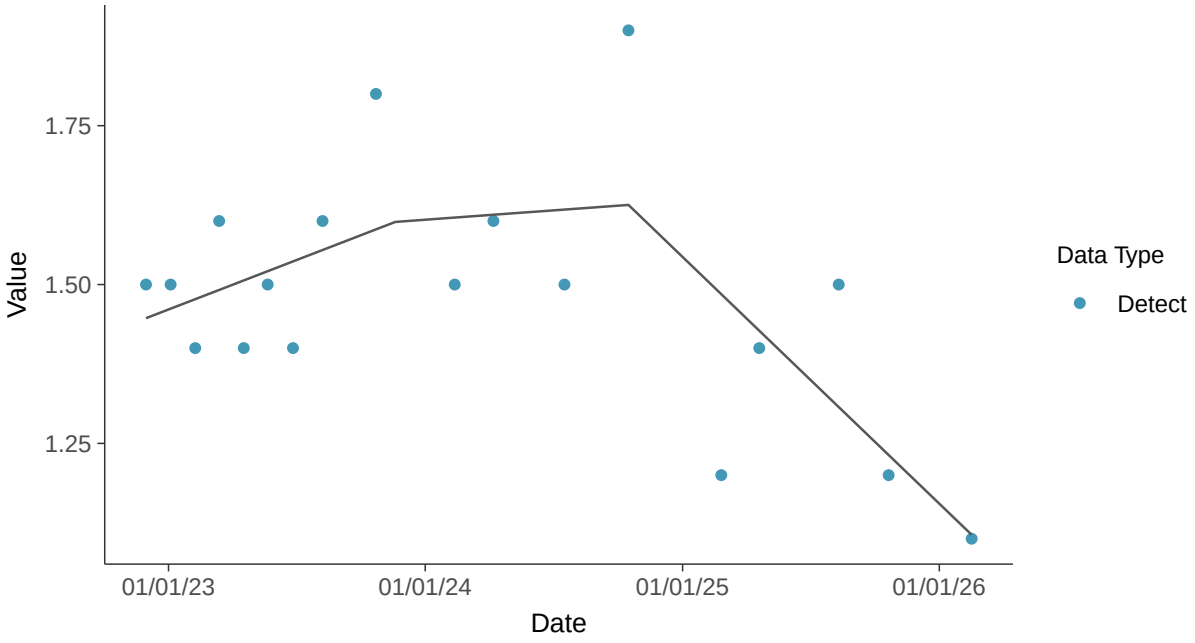
Trend Regression: Piecewise Linear-Linear

Fluoride (App IV), MW-32 (mg/L)



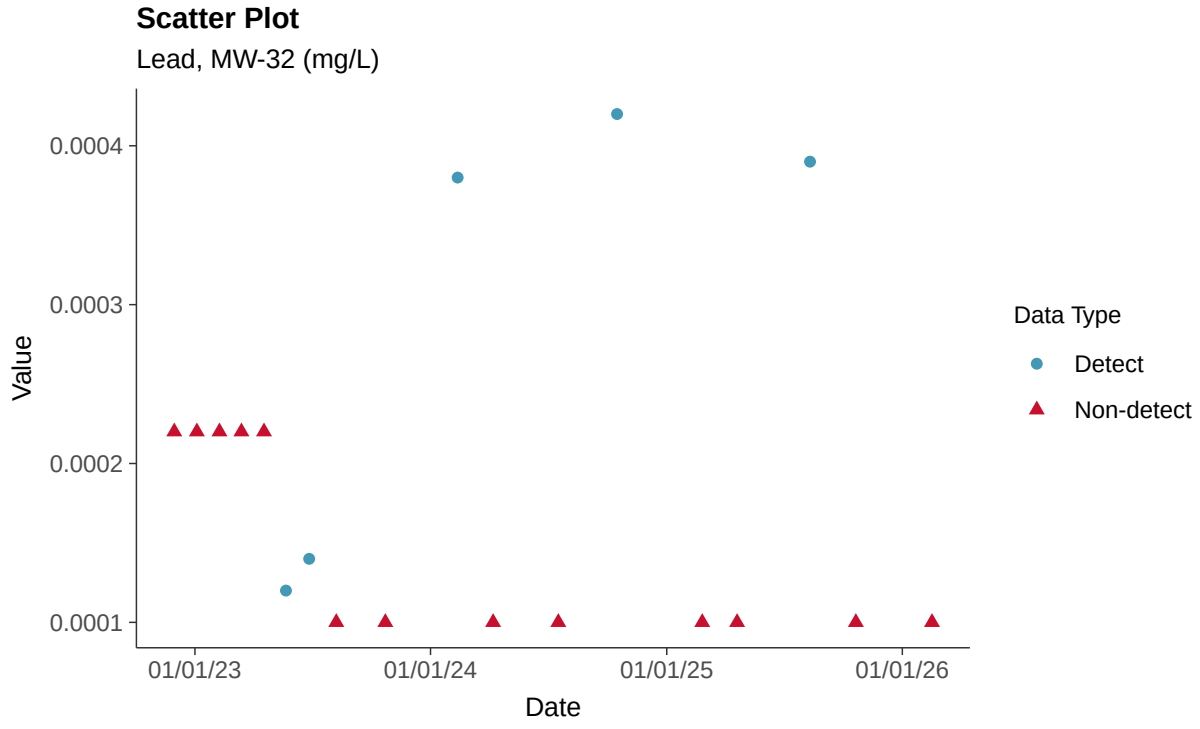
Trend Regression: Piecewise Linear-Linear-Linear

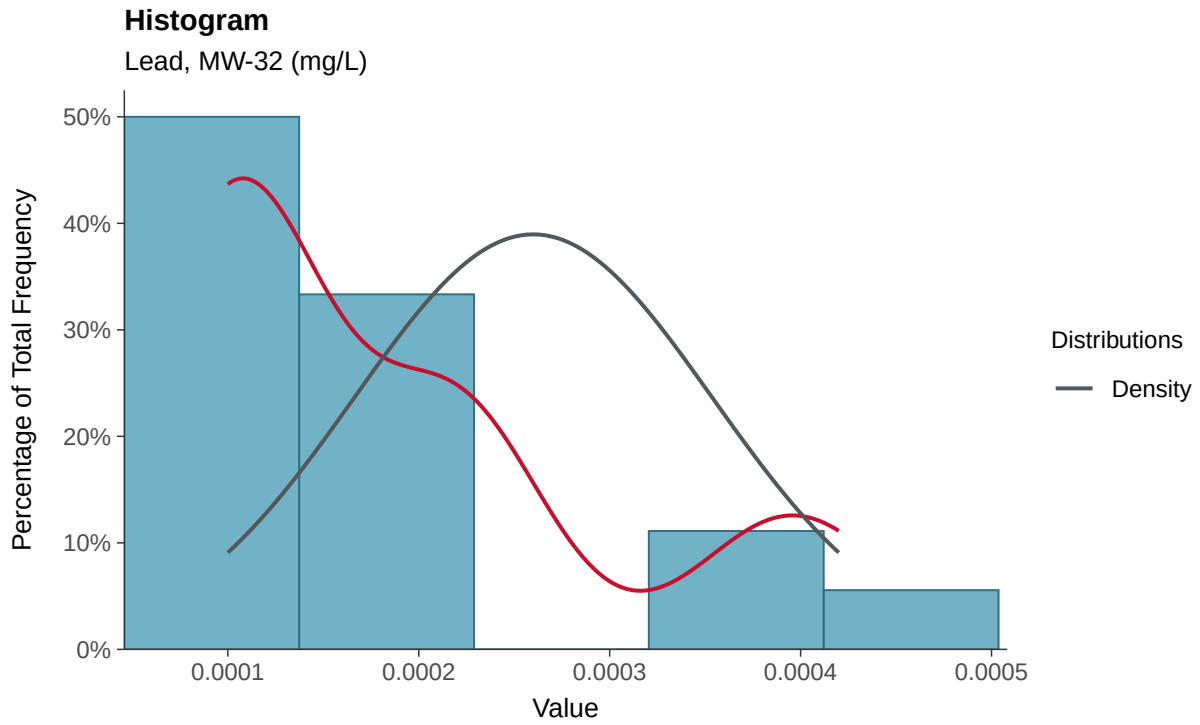
Fluoride (App IV), MW-32 (mg/L)



Appendix IV: Lead, MW-32

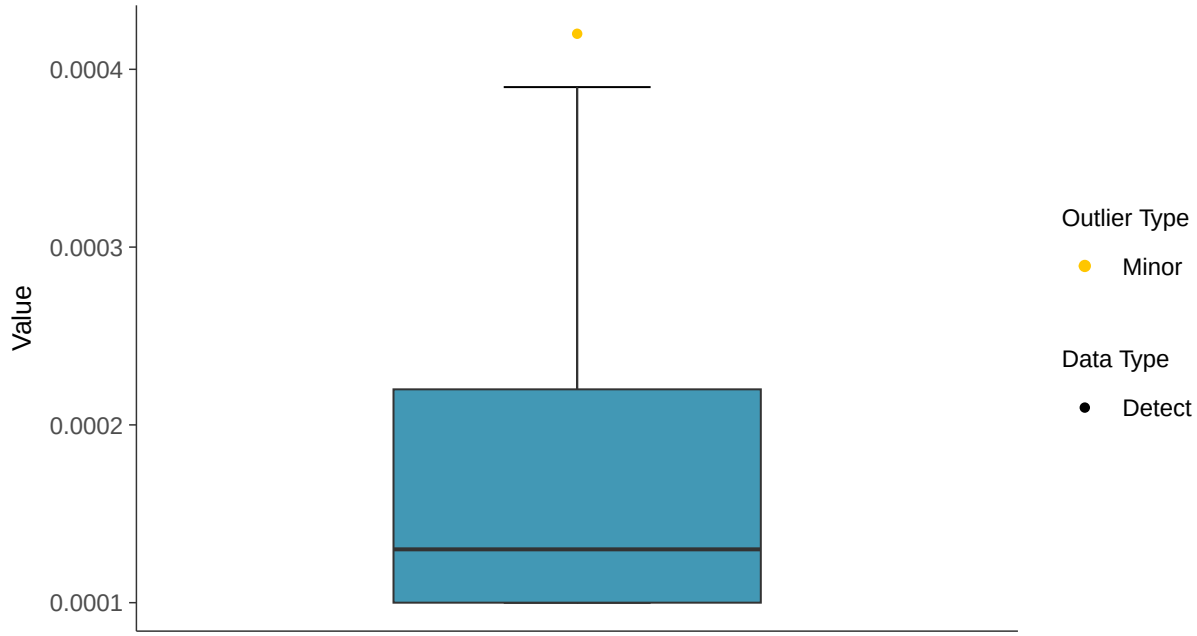
ID: 42_1_4_115





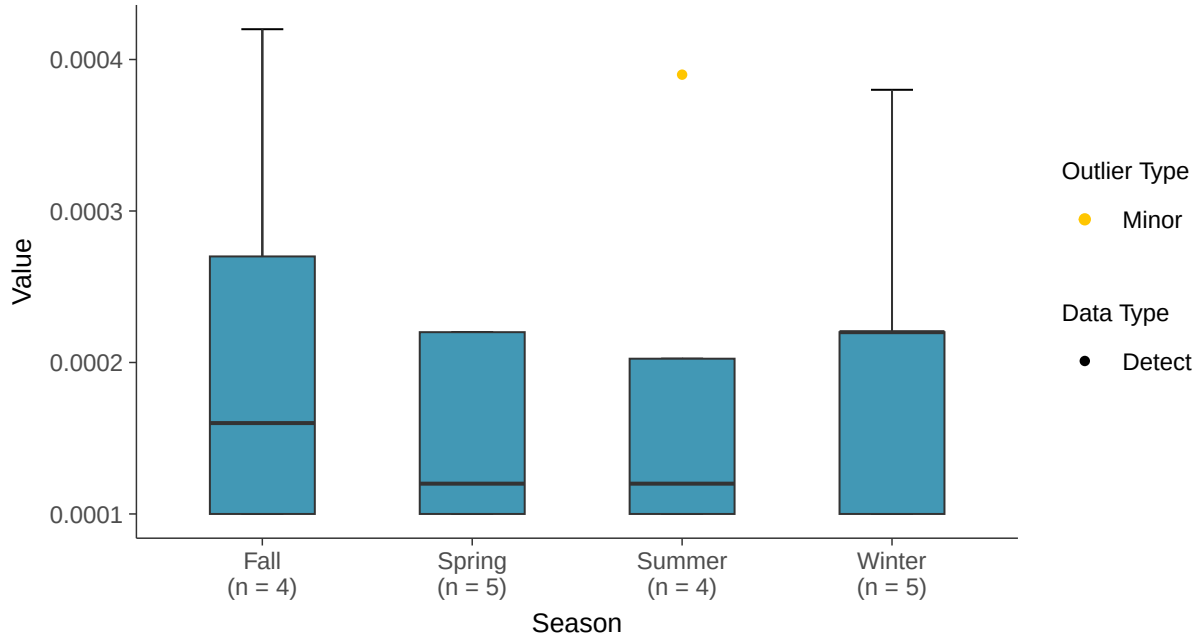
Boxplot

Lead, MW-32 (mg/L)



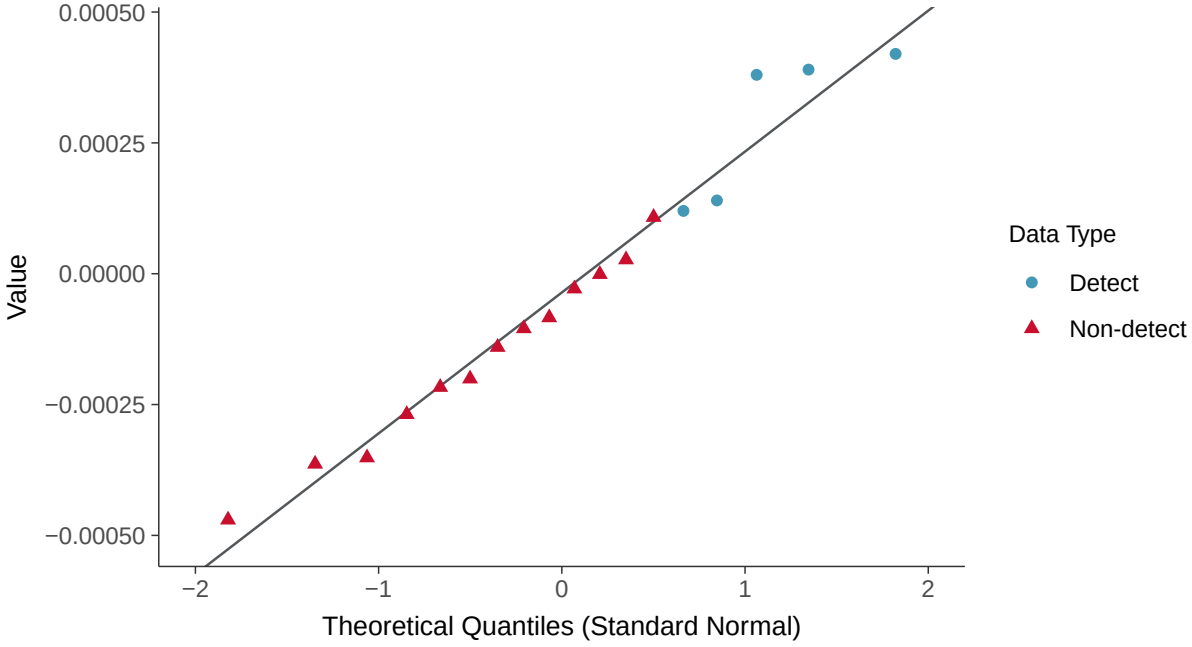
Boxplot by Season

Lead, MW-32 (mg/L)



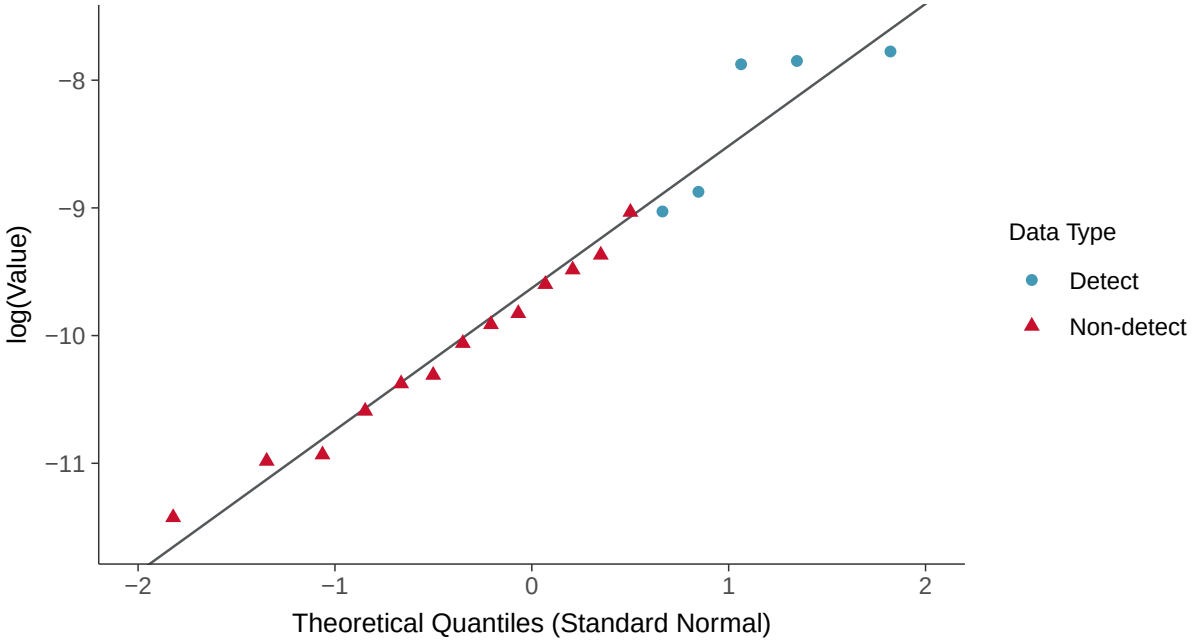
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-32 (mg/L)



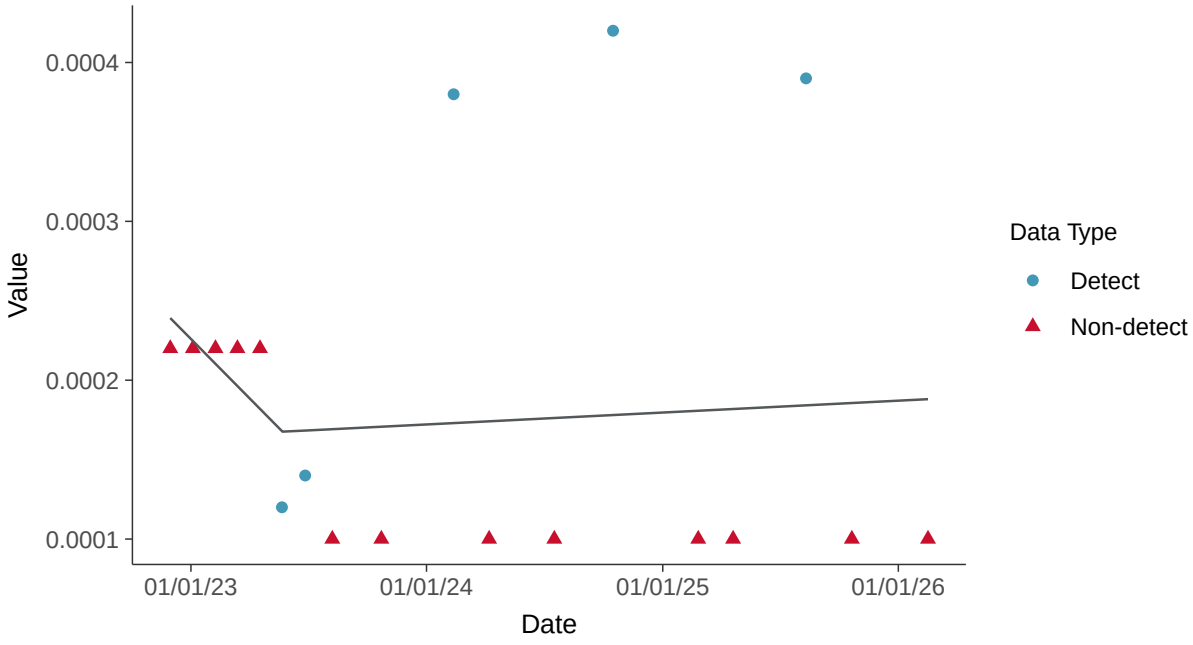
Lognormal Q-Q plot using ROS Imputed Estimates

Lead, MW-32 (mg/L)



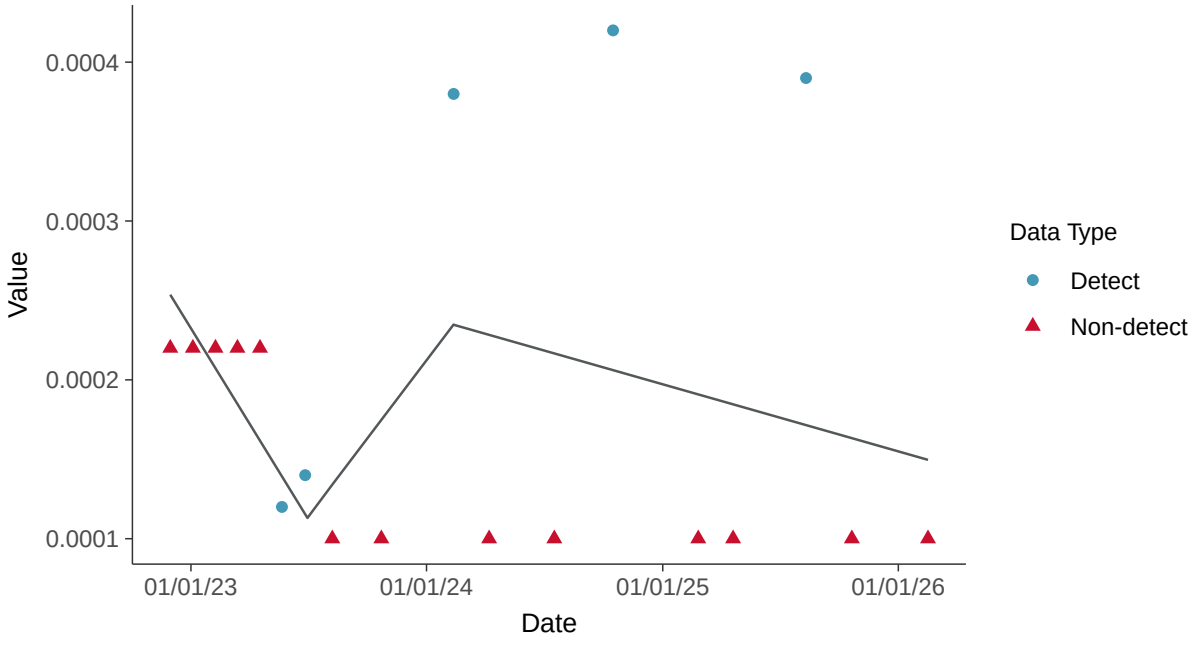
Trend Regression: Piecewise Linear-Linear

Lead, MW-32 (mg/L)



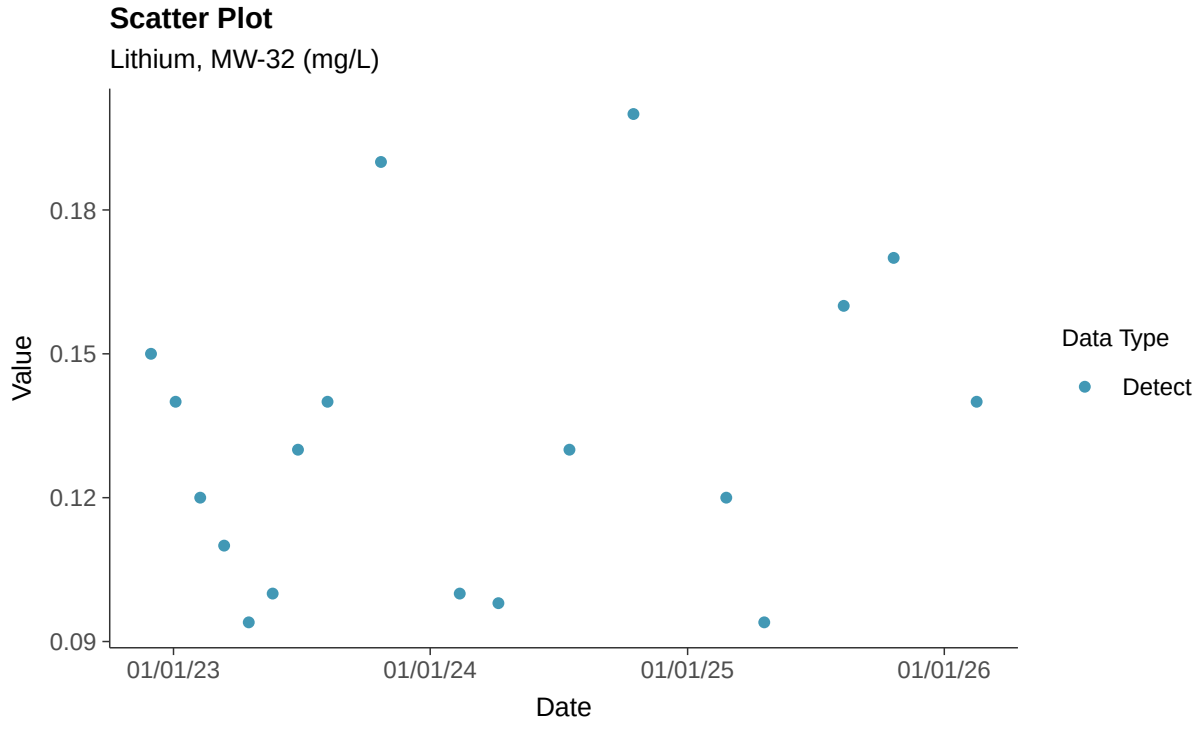
Trend Regression: Piecewise Linear-Linear-Linear

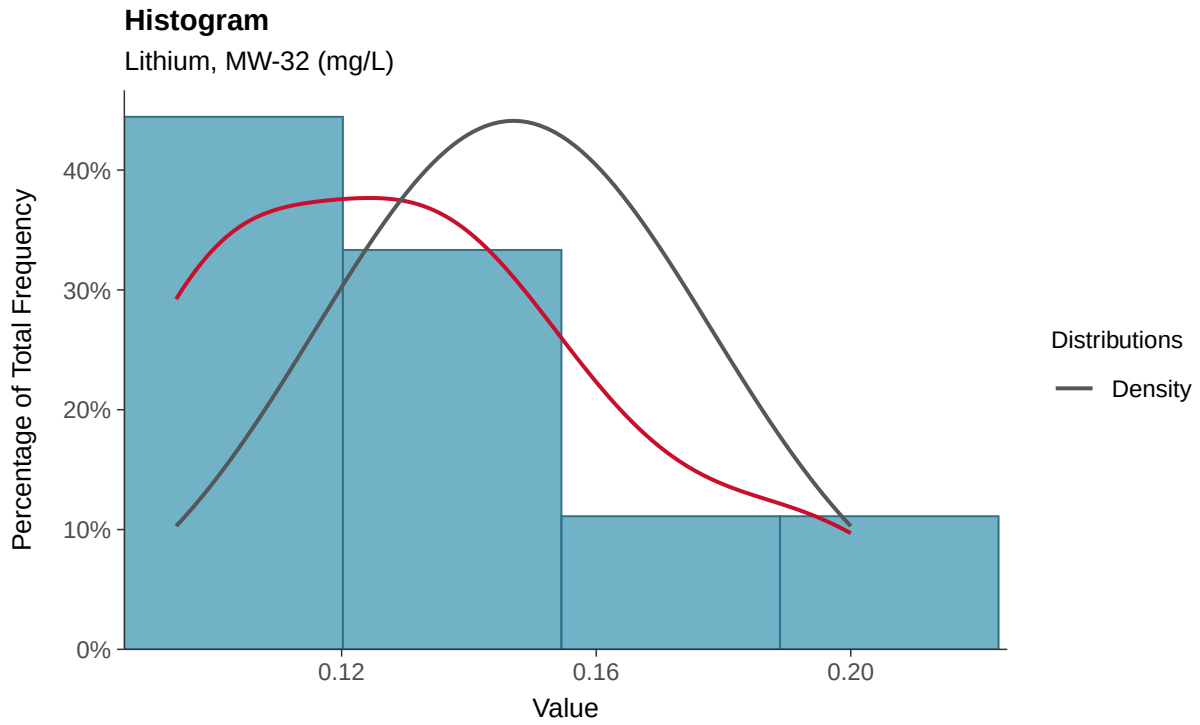
Lead, MW-32 (mg/L)



Appendix IV: Lithium, MW-32

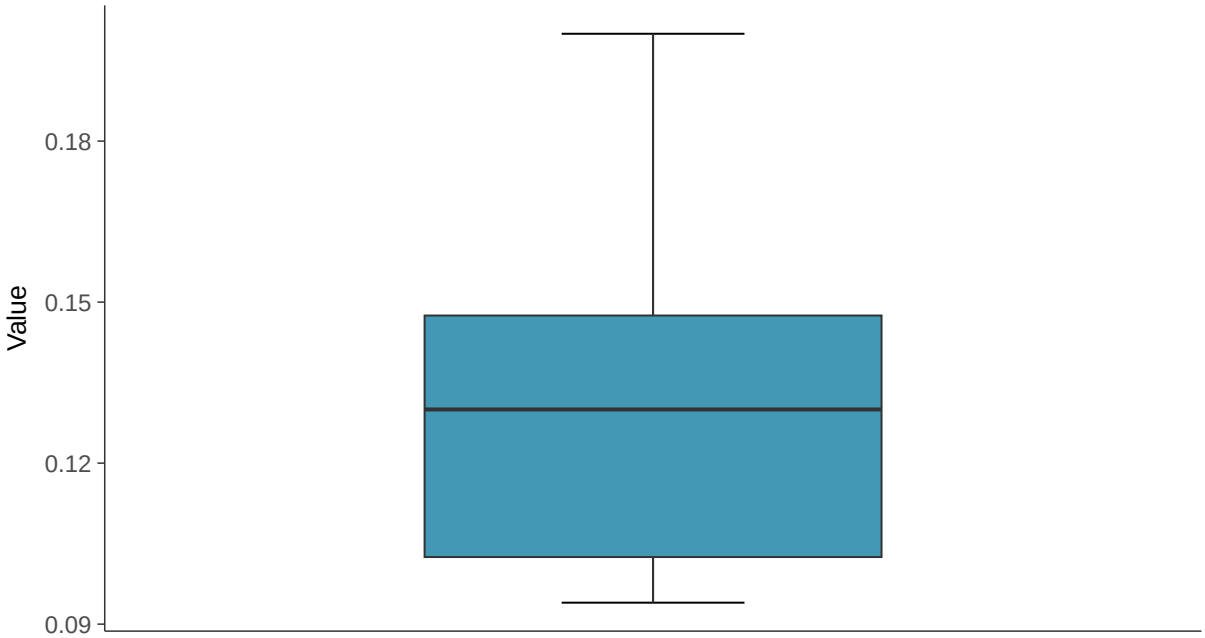
ID: 42_1_4_116





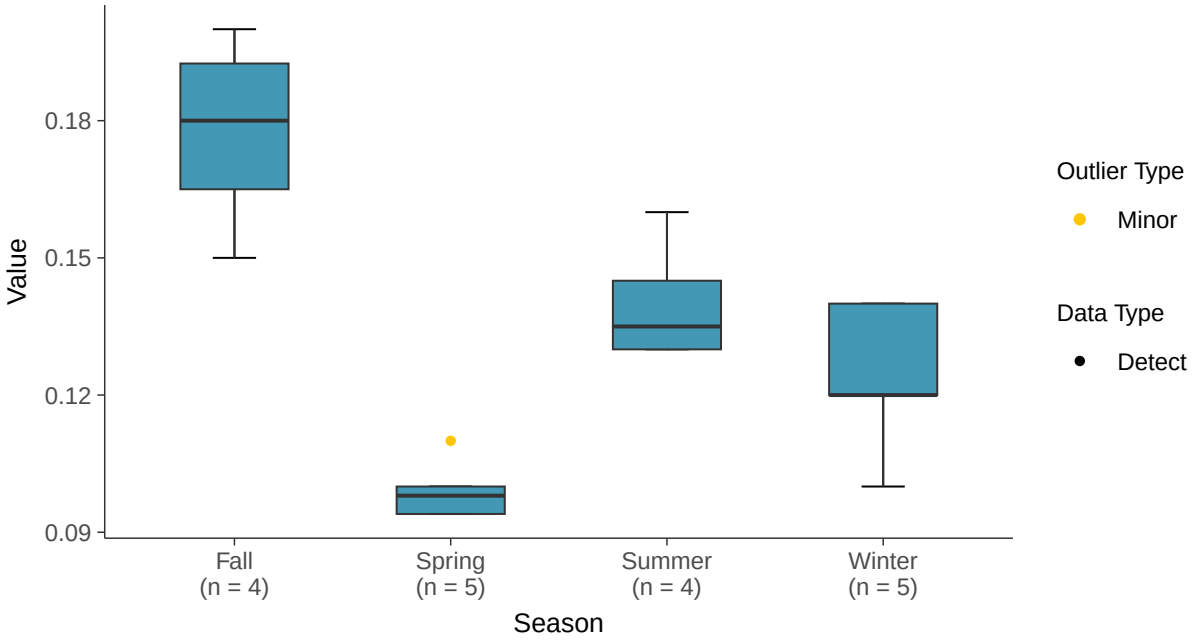
Boxplot

Lithium, MW-32 (mg/L)



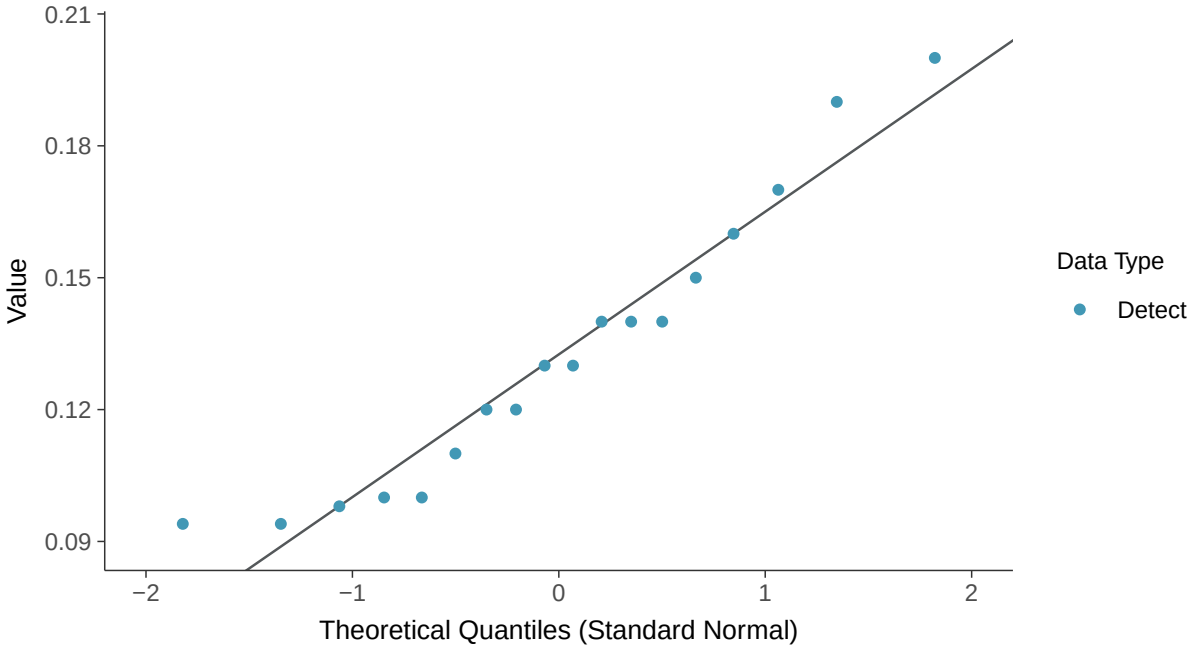
Boxplot by Season

Lithium, MW-32 (mg/L)



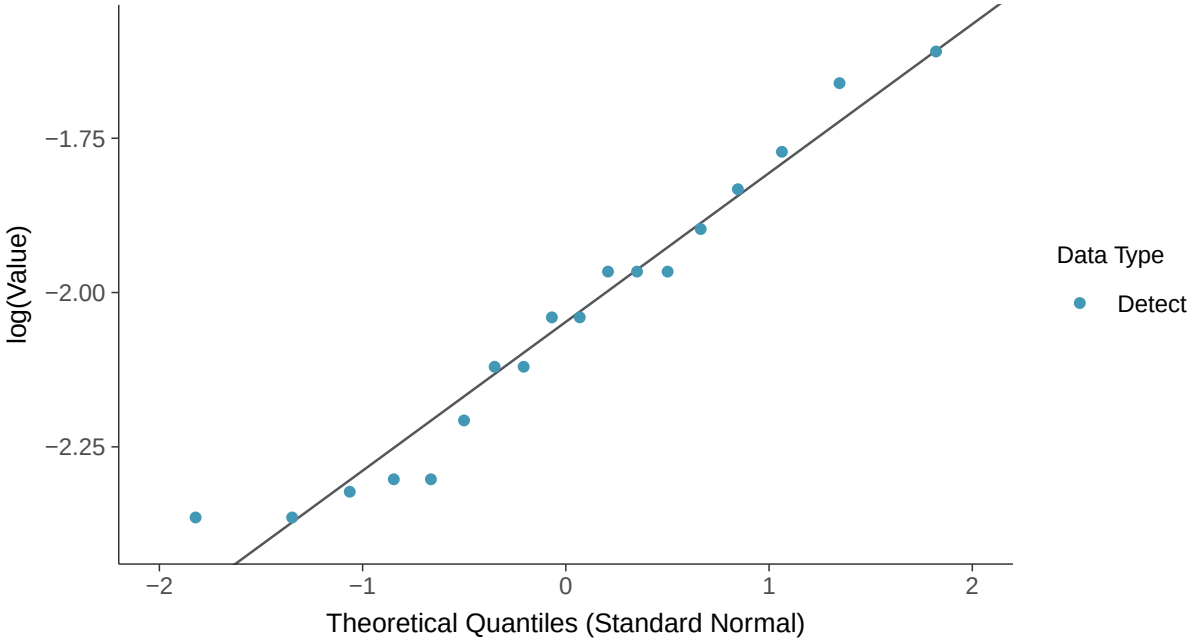
Normal Q-Q plot

Lithium, MW-32 (mg/L)



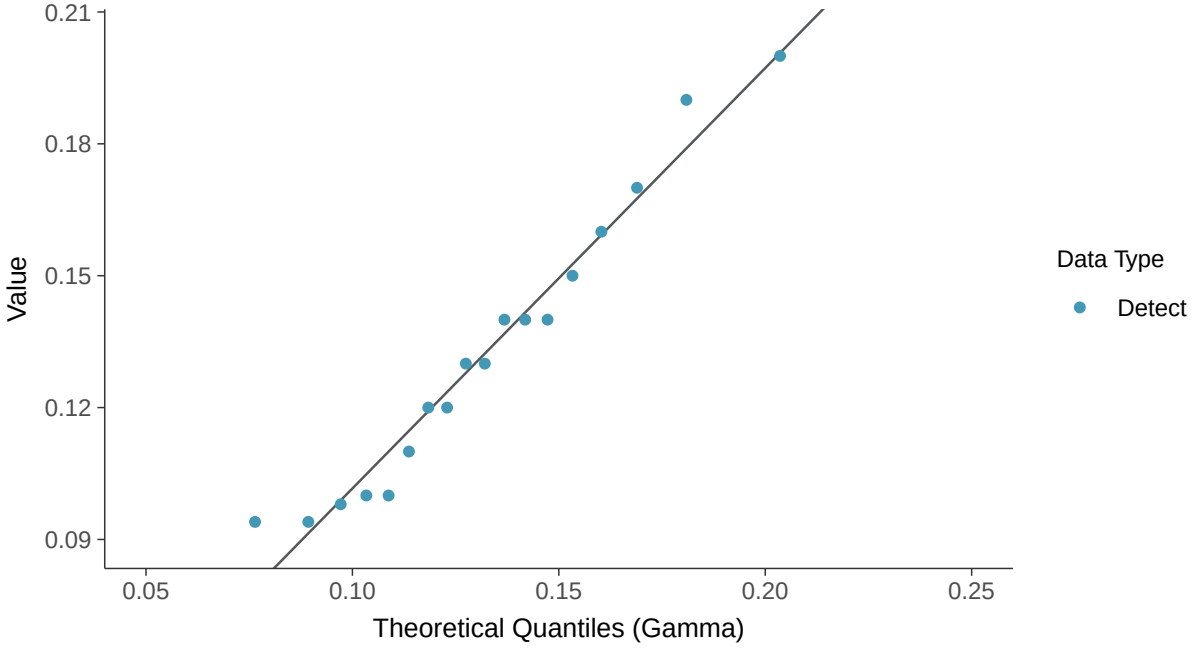
Lognormal Q-Q plot

Lithium, MW-32 (mg/L)



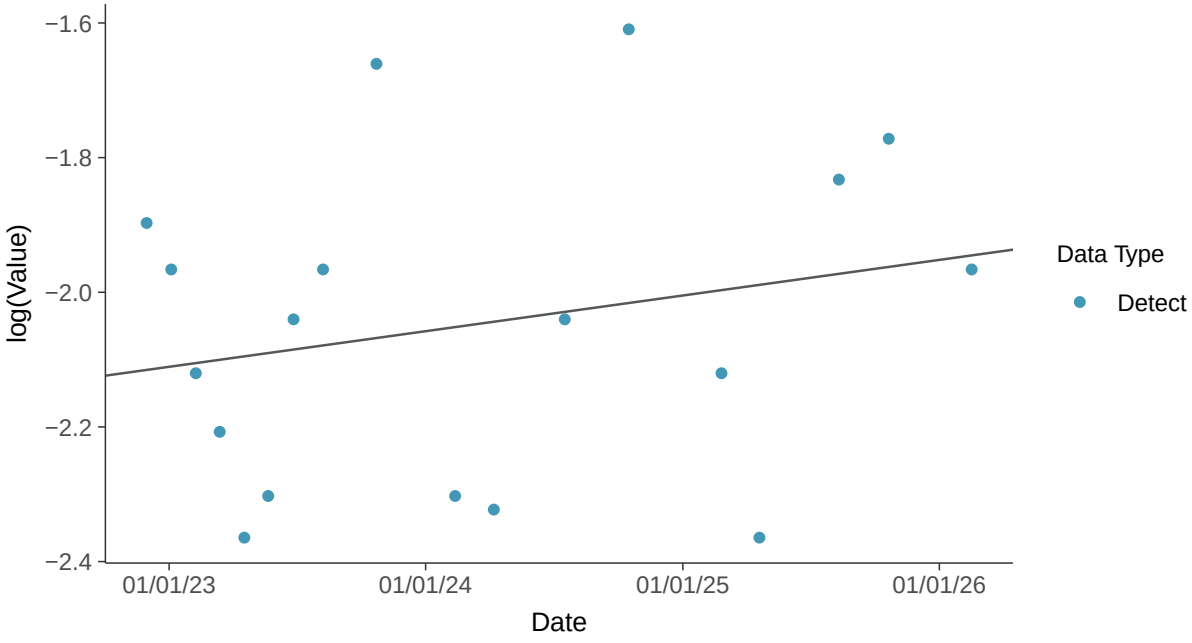
Gamma Q-Q plot

Lithium, MW-32 (mg/L)



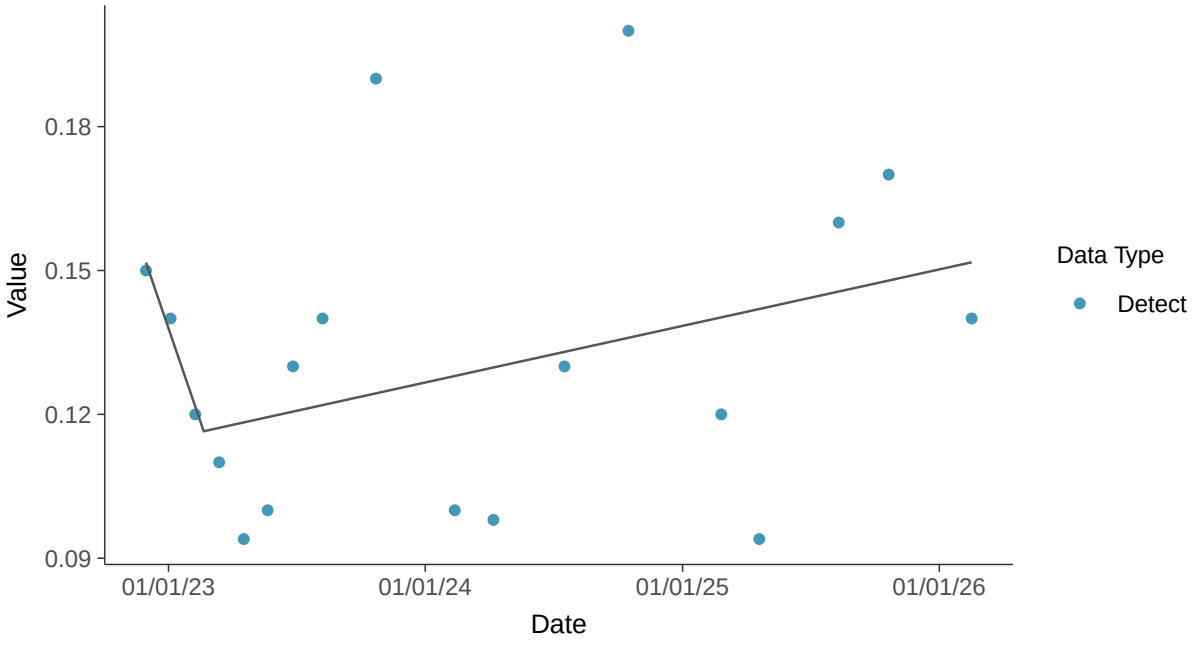
Trend Regression: Lognormal MLE

Lithium, MW-32 (mg/L)



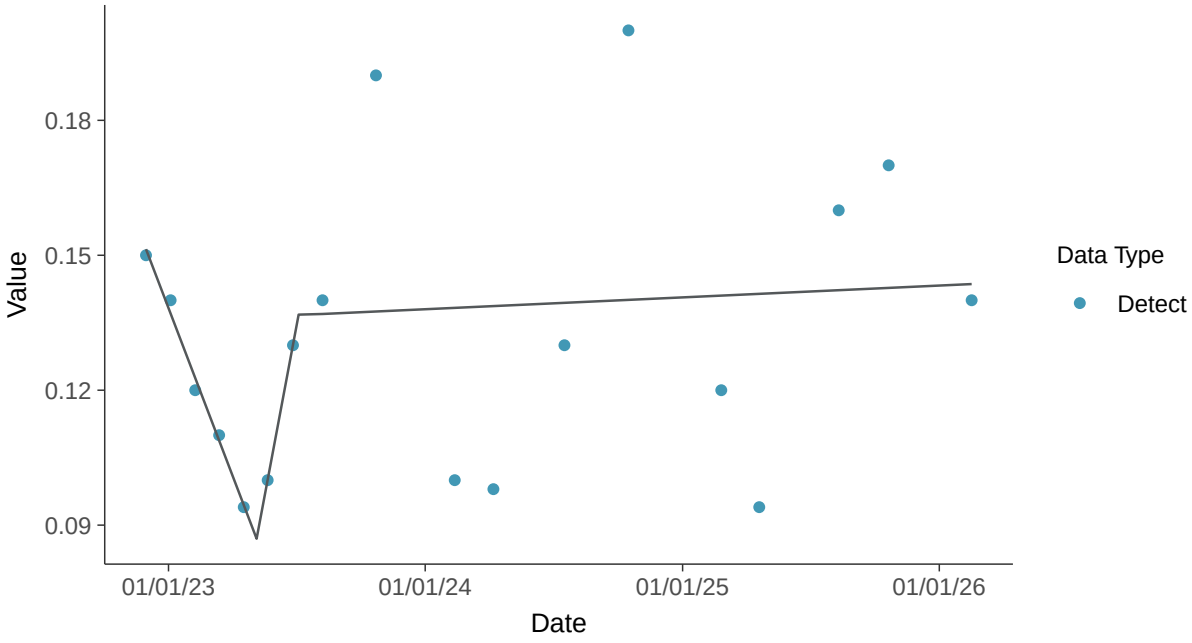
Trend Regression: Piecewise Linear-Linear

Lithium, MW-32 (mg/L)



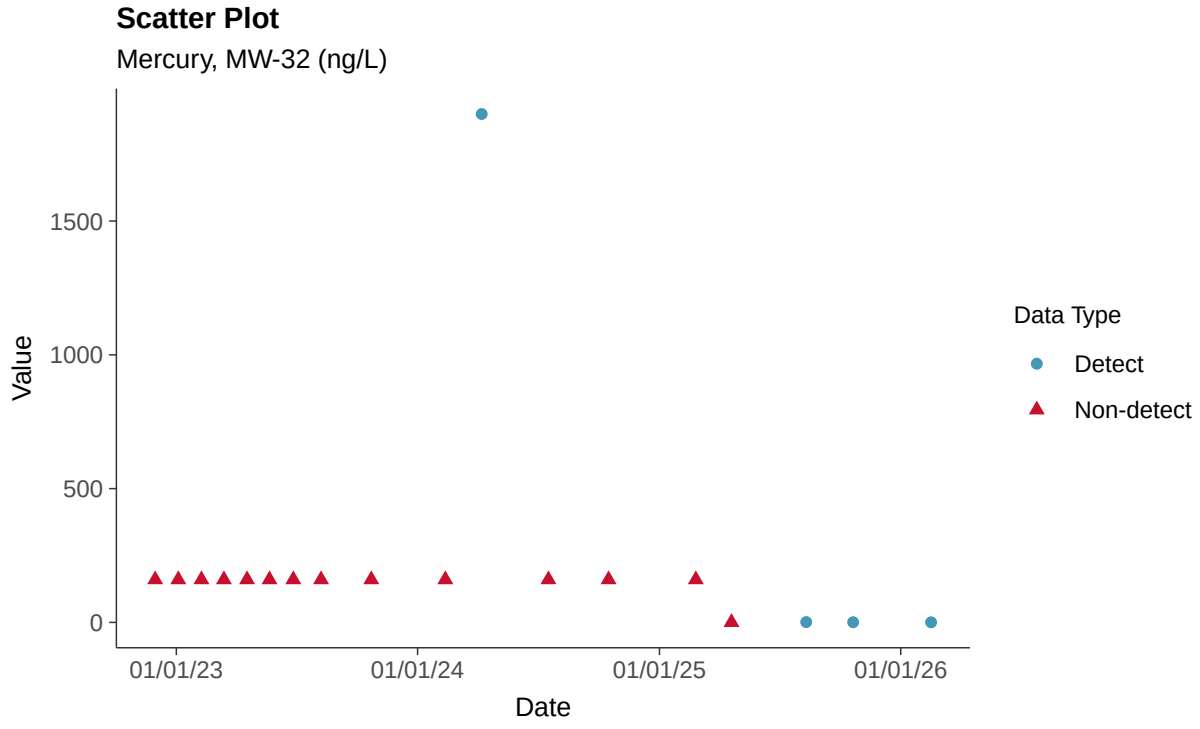
Trend Regression: Piecewise Linear-Linear-Linear

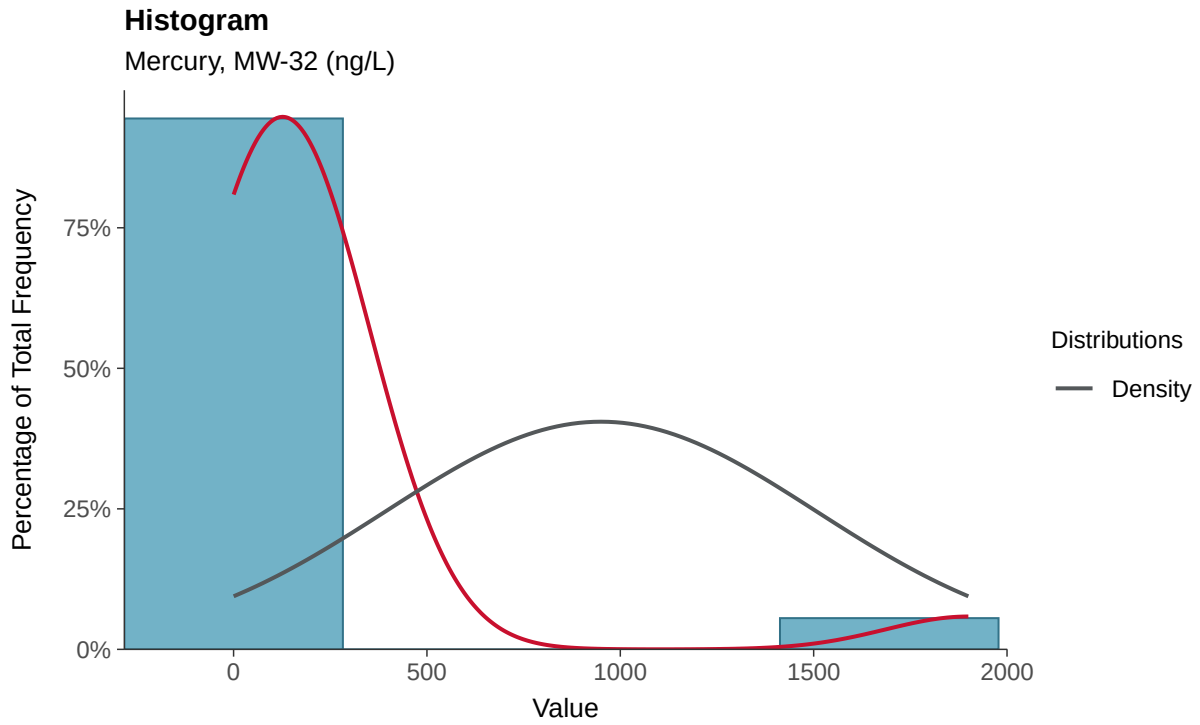
Lithium, MW-32 (mg/L)



Appendix IV: Mercury, MW-32

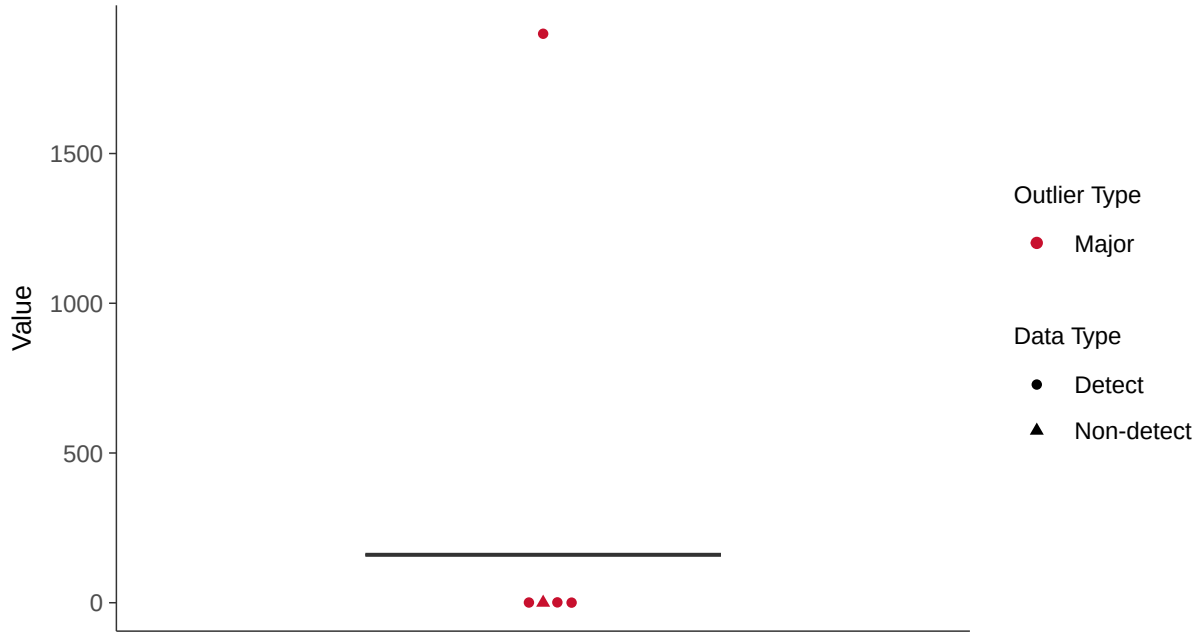
ID: 42_1_4_117





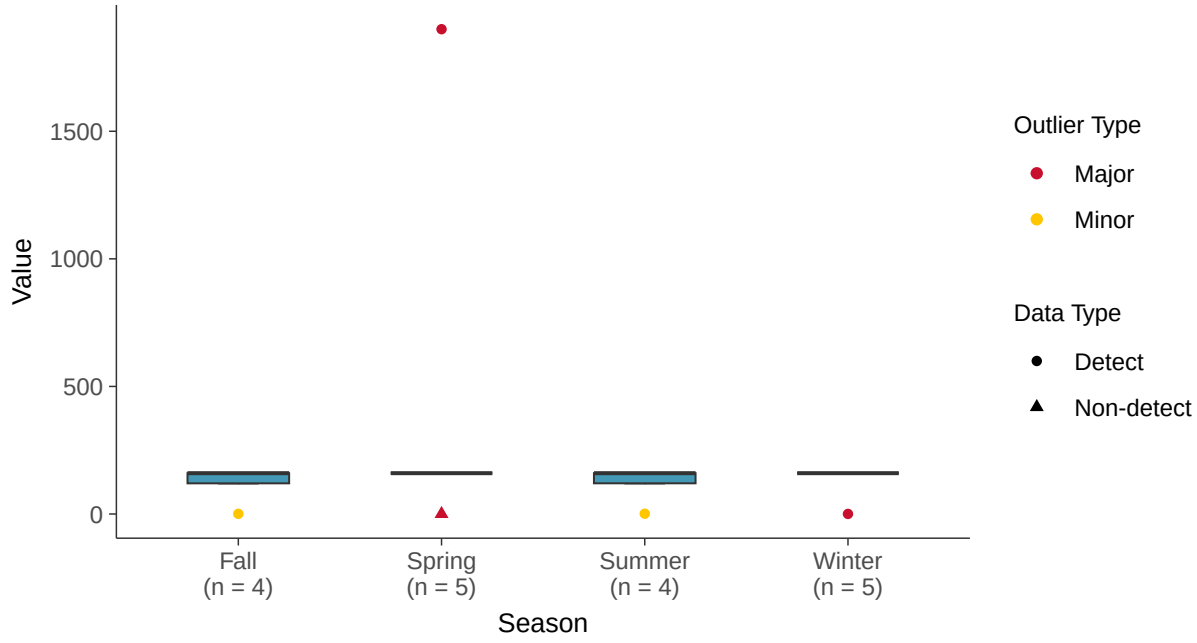
Boxplot

Mercury, MW-32 (ng/L)



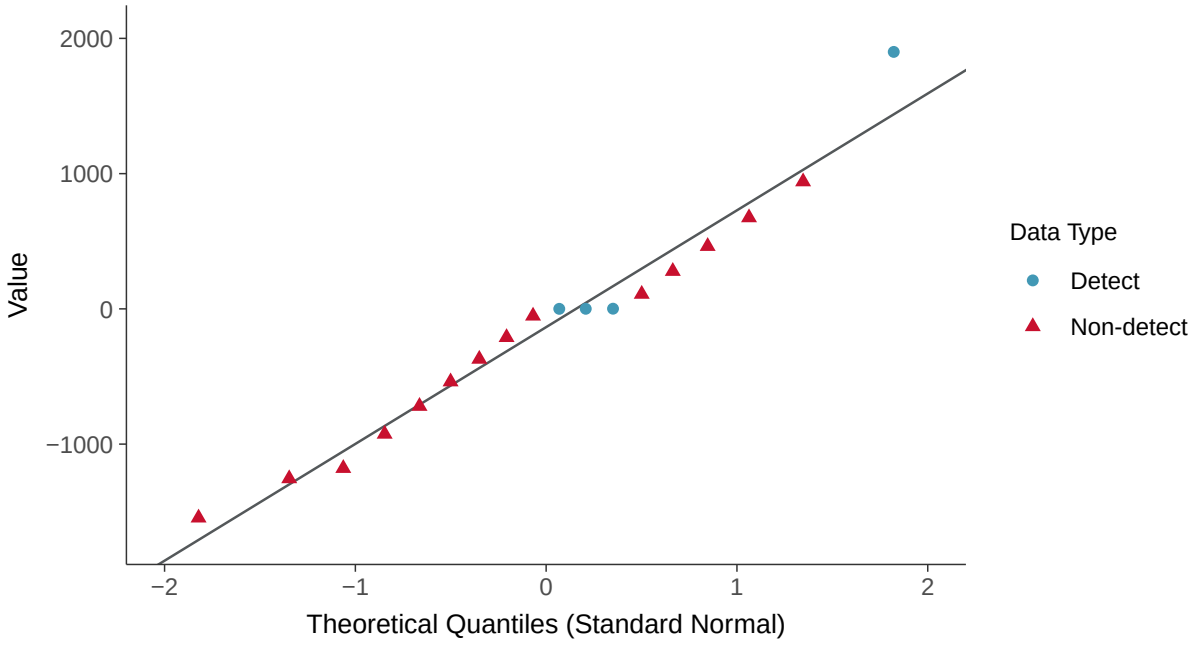
Boxplot by Season

Mercury, MW-32 (ng/L)



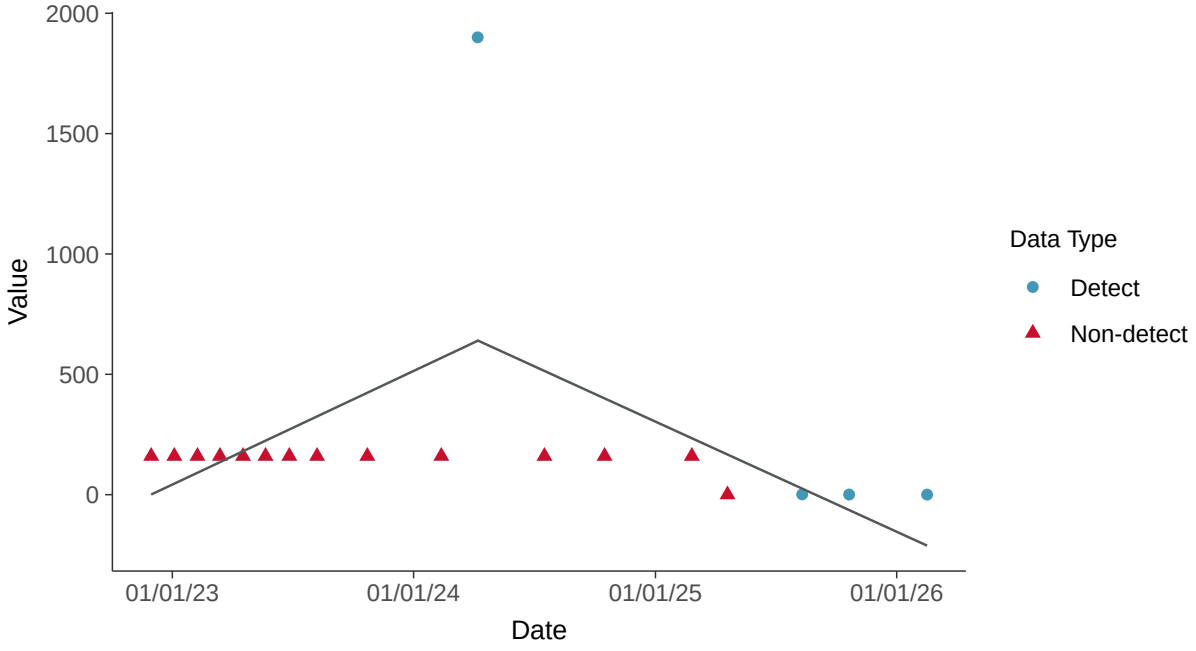
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-32 (ng/L)



Trend Regression: Piecewise Linear-Linear

Mercury, MW-32 (ng/L)

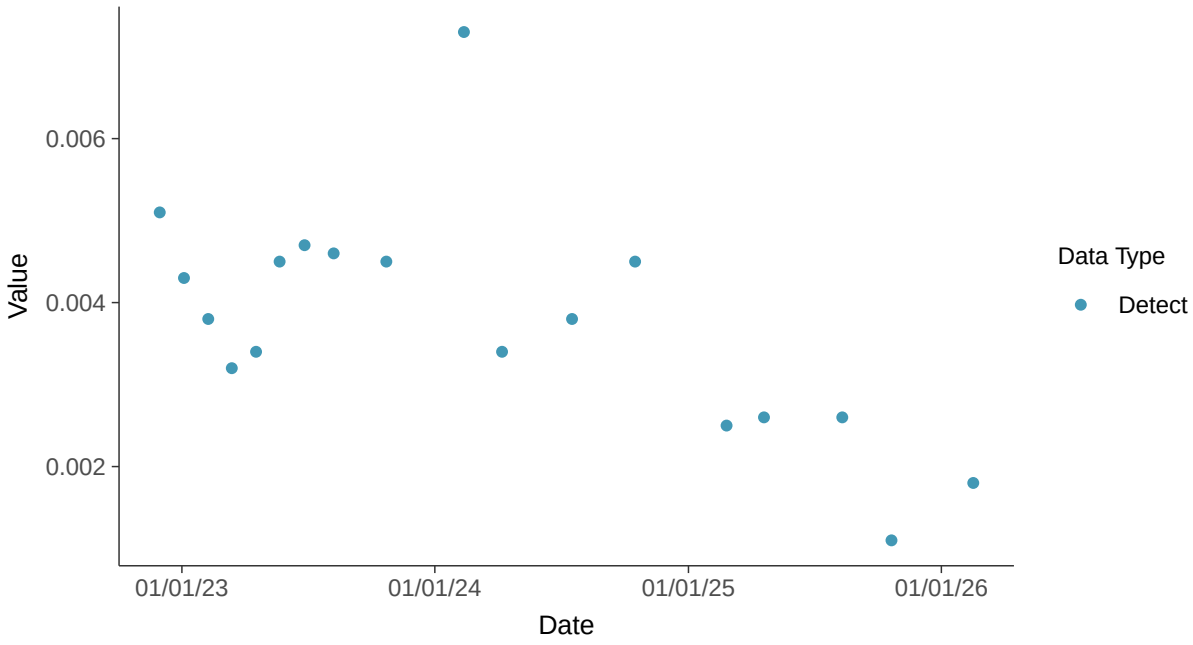


Appendix IV: Molybdenum, MW-32

ID: 42_1_4_118

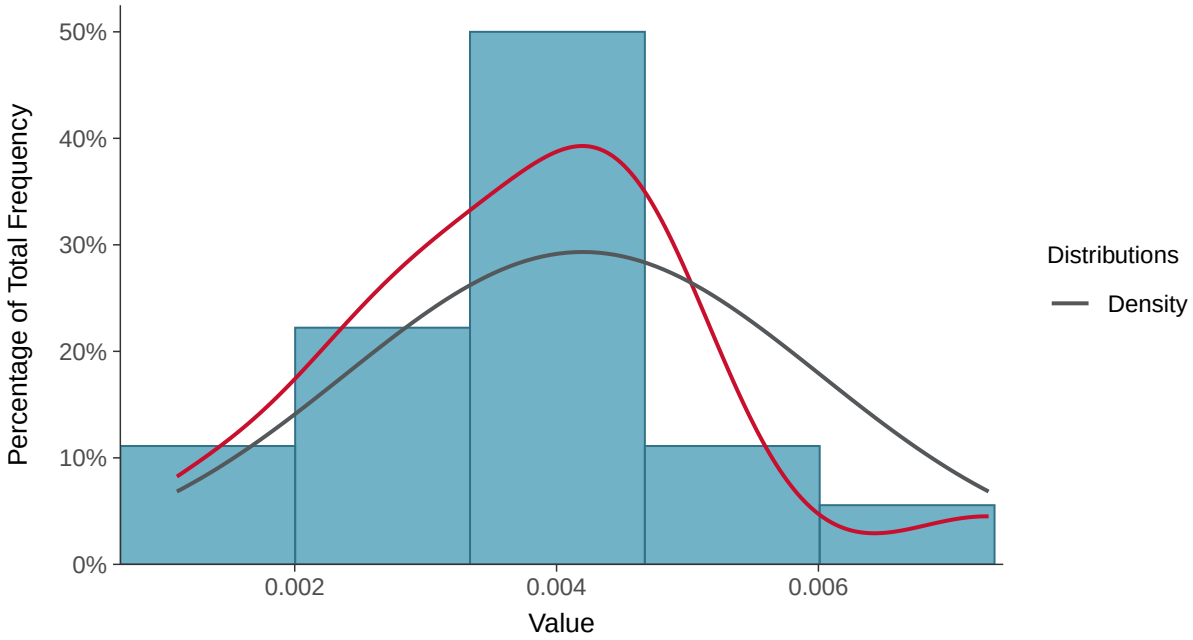
Scatter Plot

Molybdenum, MW-32 (mg/L)



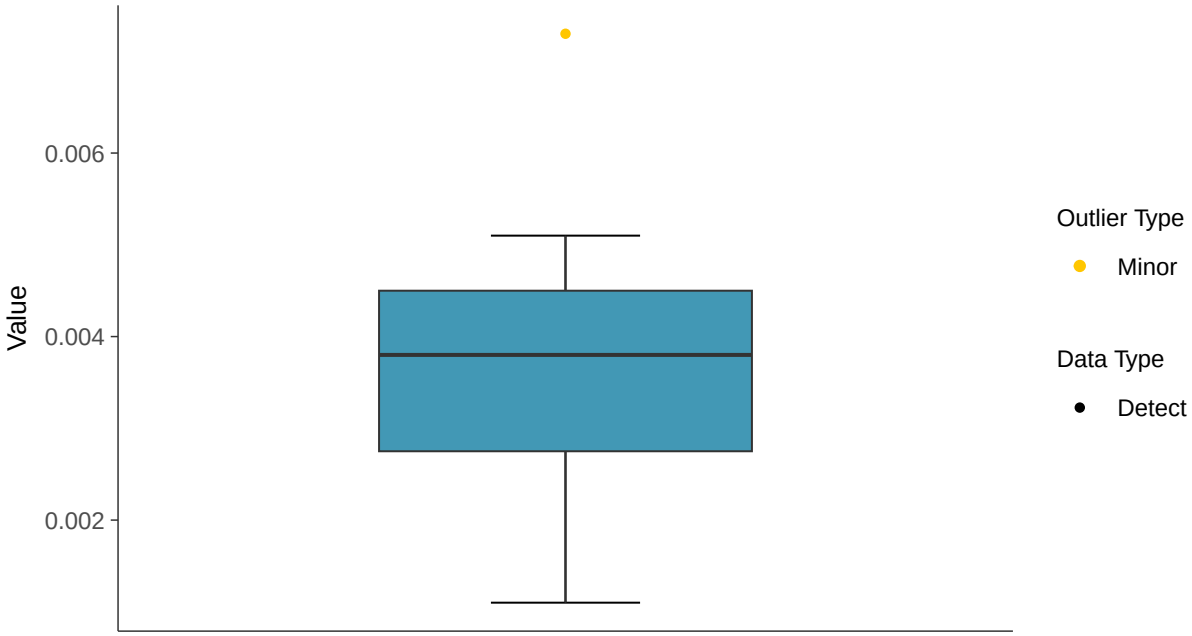
Histogram

Molybdenum, MW-32 (mg/L)



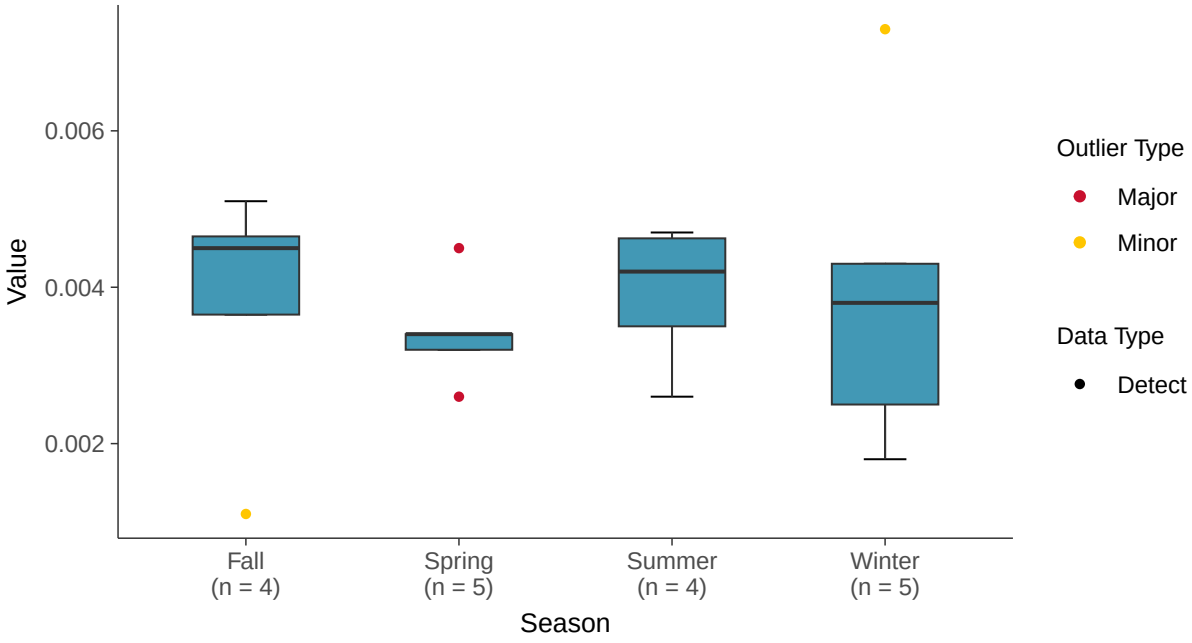
Boxplot

Molybdenum, MW-32 (mg/L)



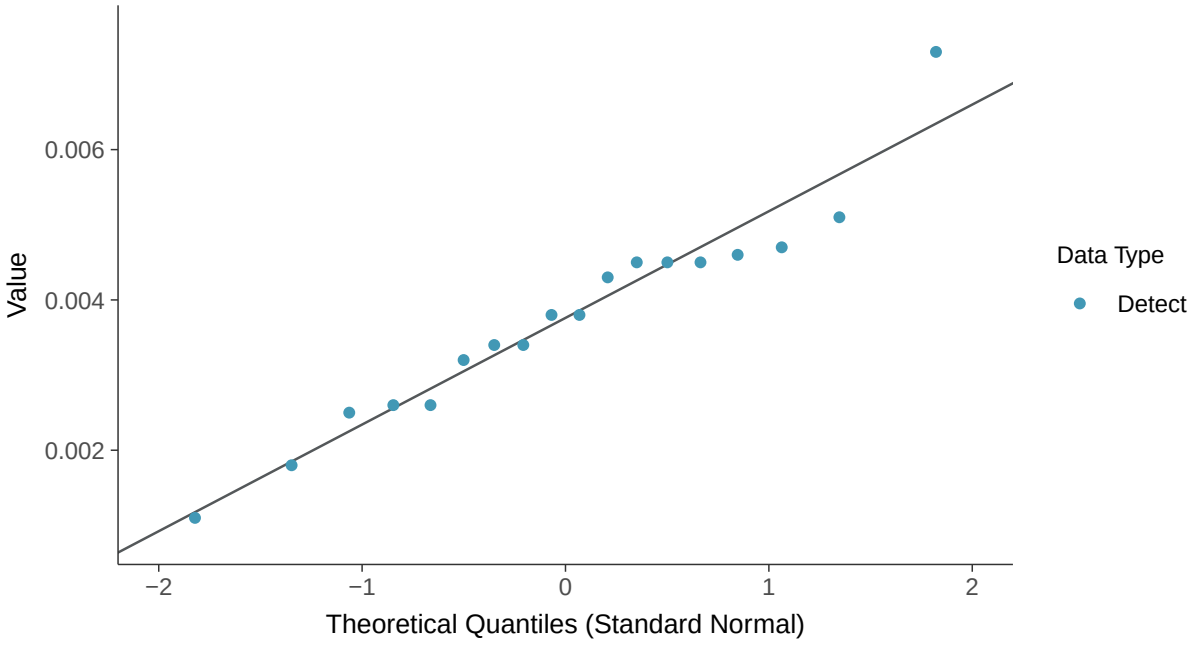
Boxplot by Season

Molybdenum, MW-32 (mg/L)



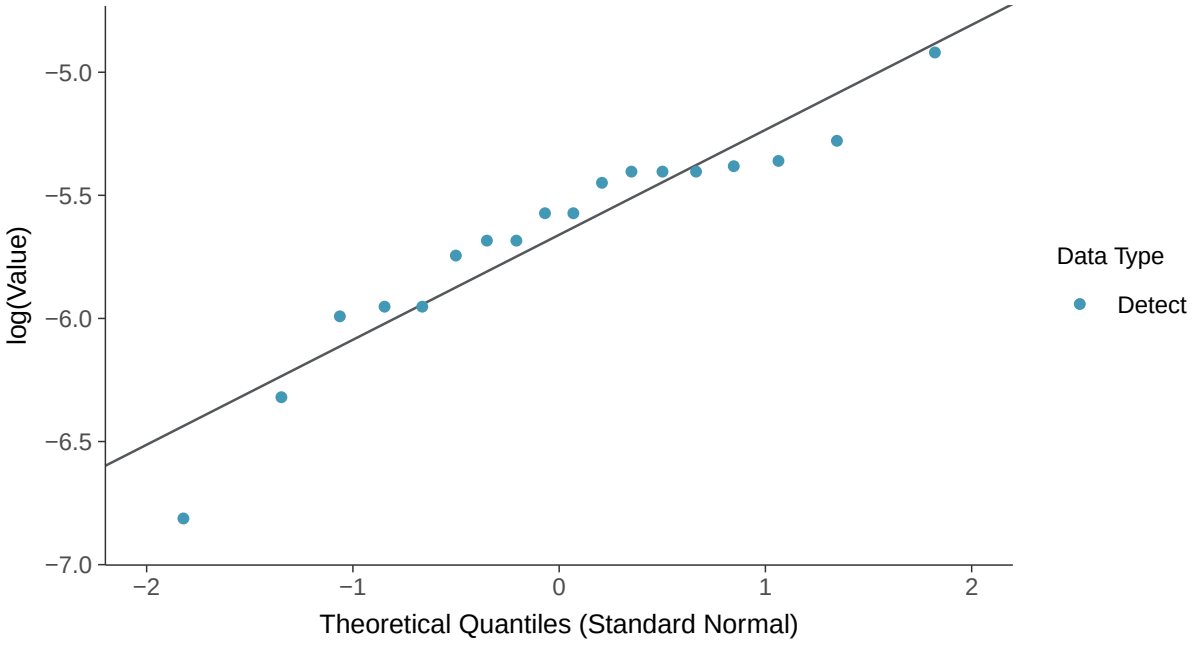
Normal Q-Q plot

Molybdenum, MW-32 (mg/L)



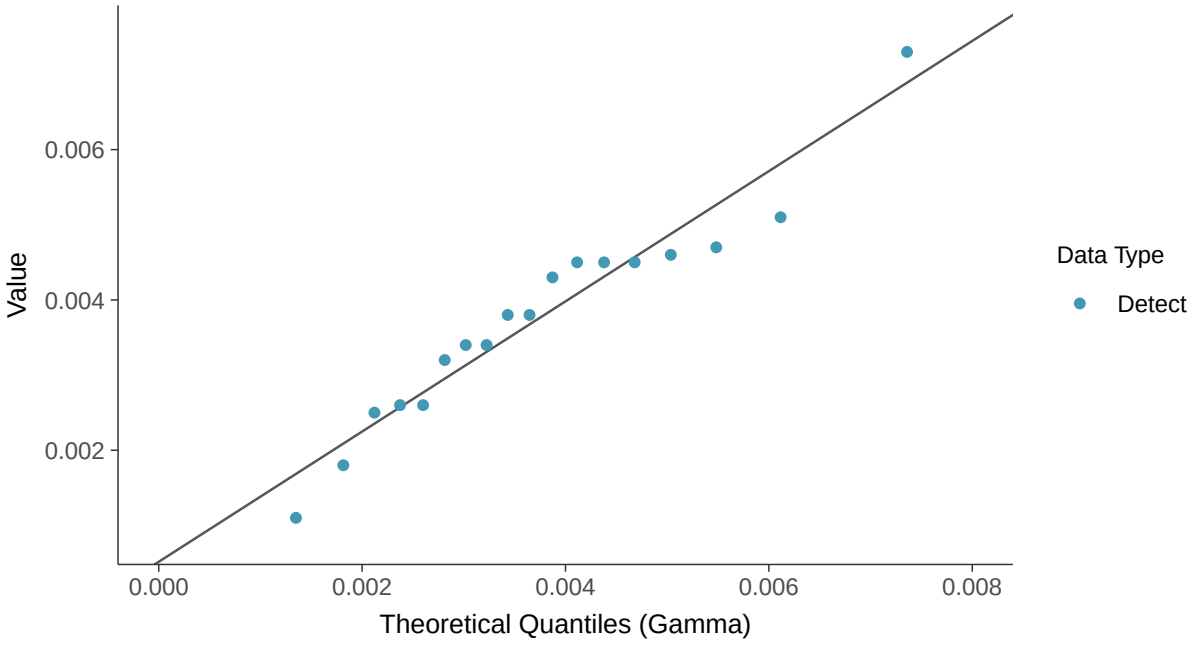
Lognormal Q-Q plot

Molybdenum, MW-32 (mg/L)



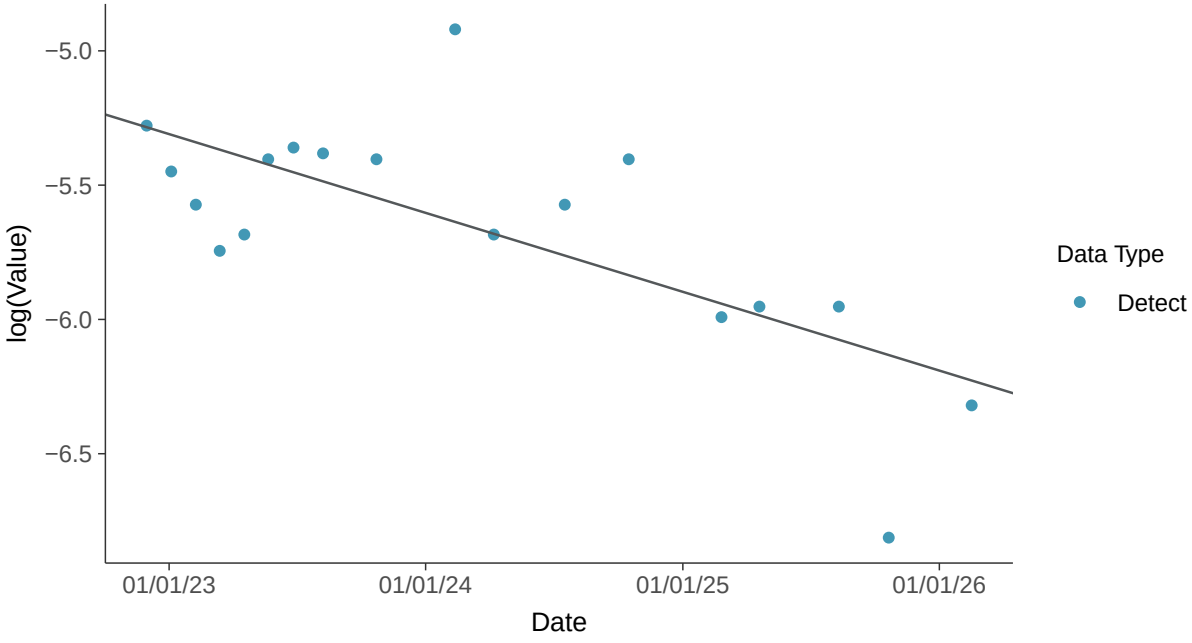
Gamma Q-Q plot

Molybdenum, MW-32 (mg/L)



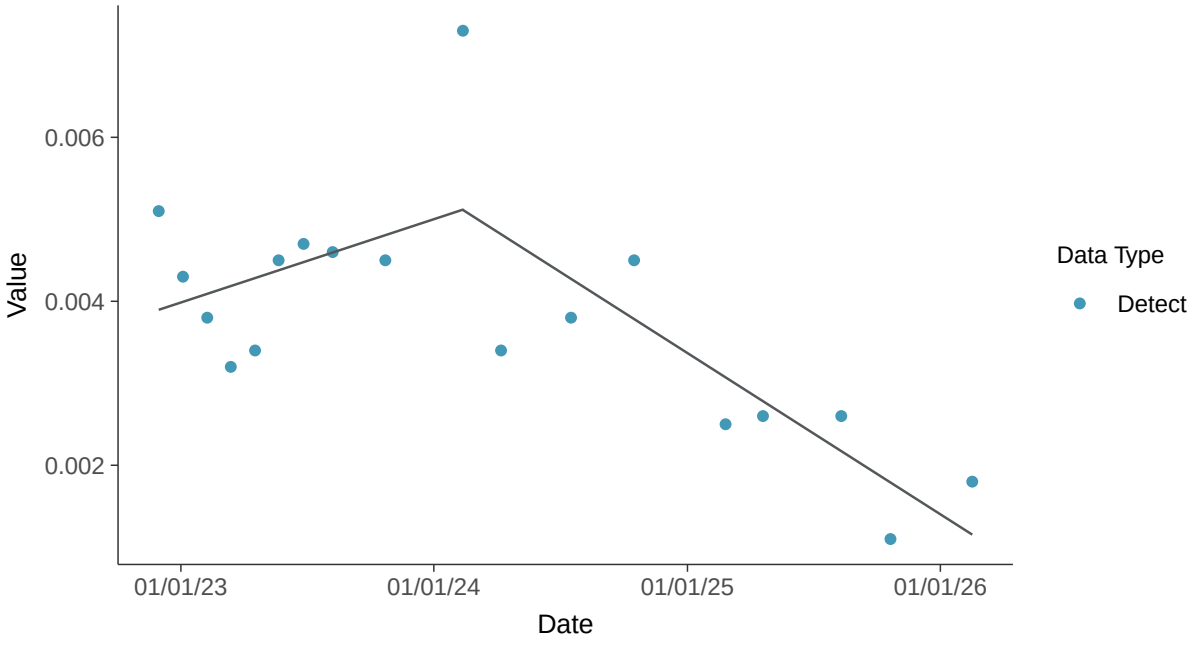
Trend Regression: Lognormal MLE

Molybdenum, MW-32 (mg/L)



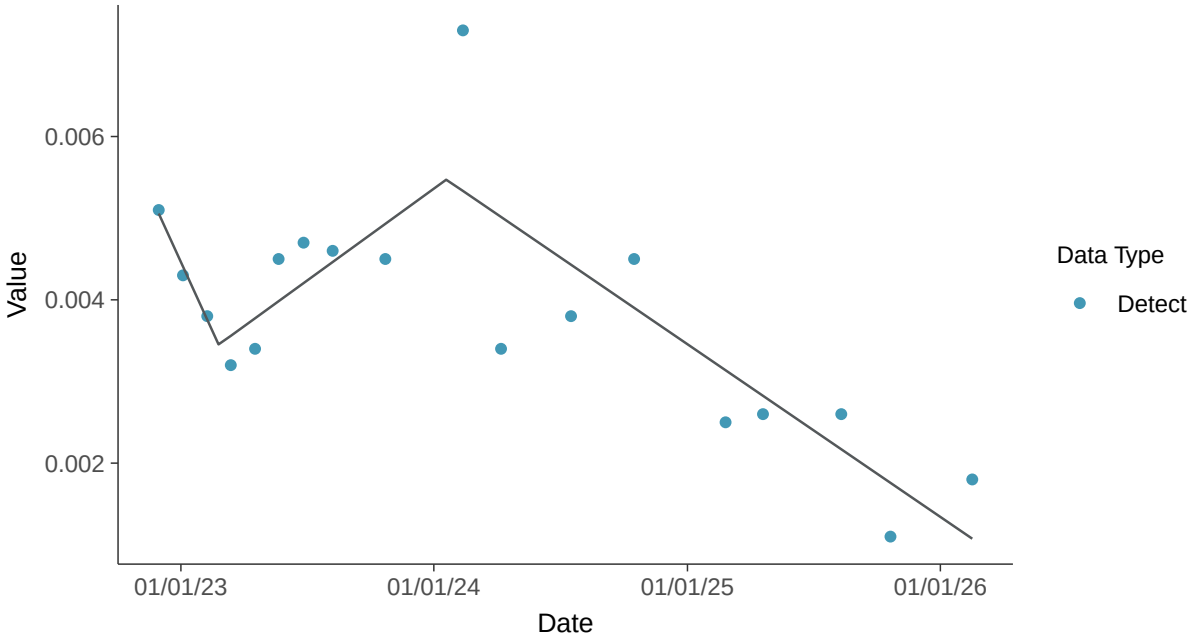
Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-32 (mg/L)



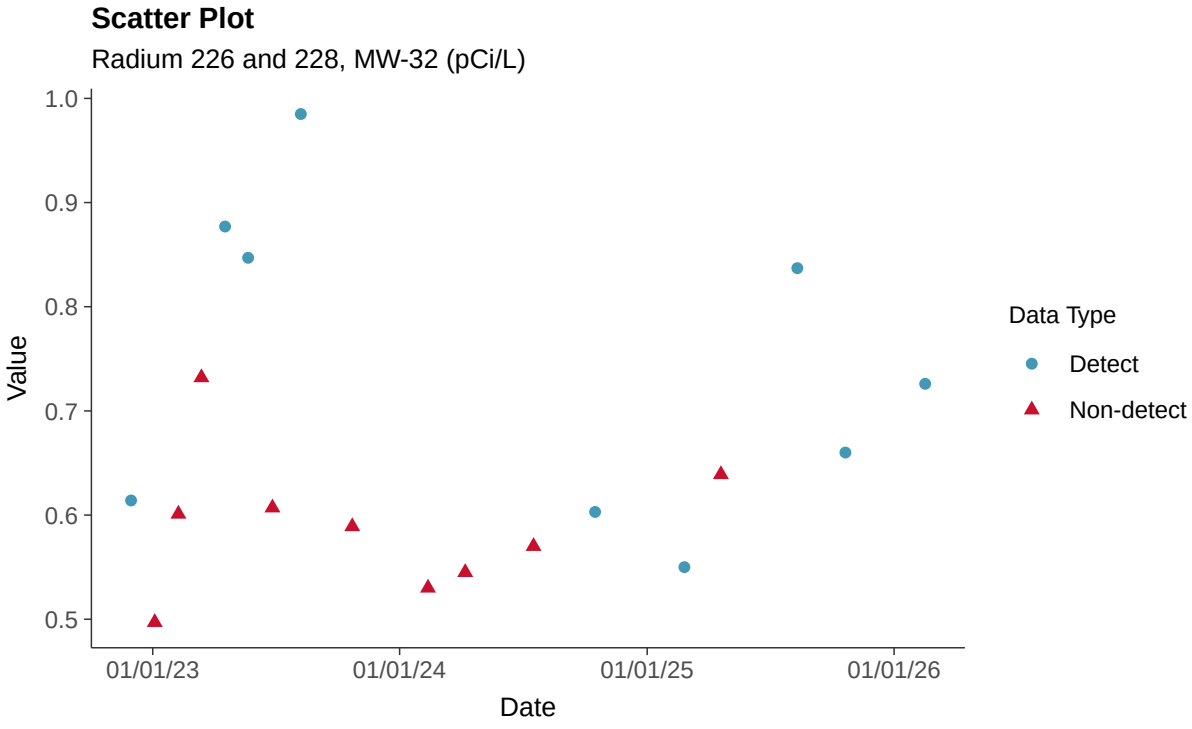
Trend Regression: Piecewise Linear-Linear-Linear

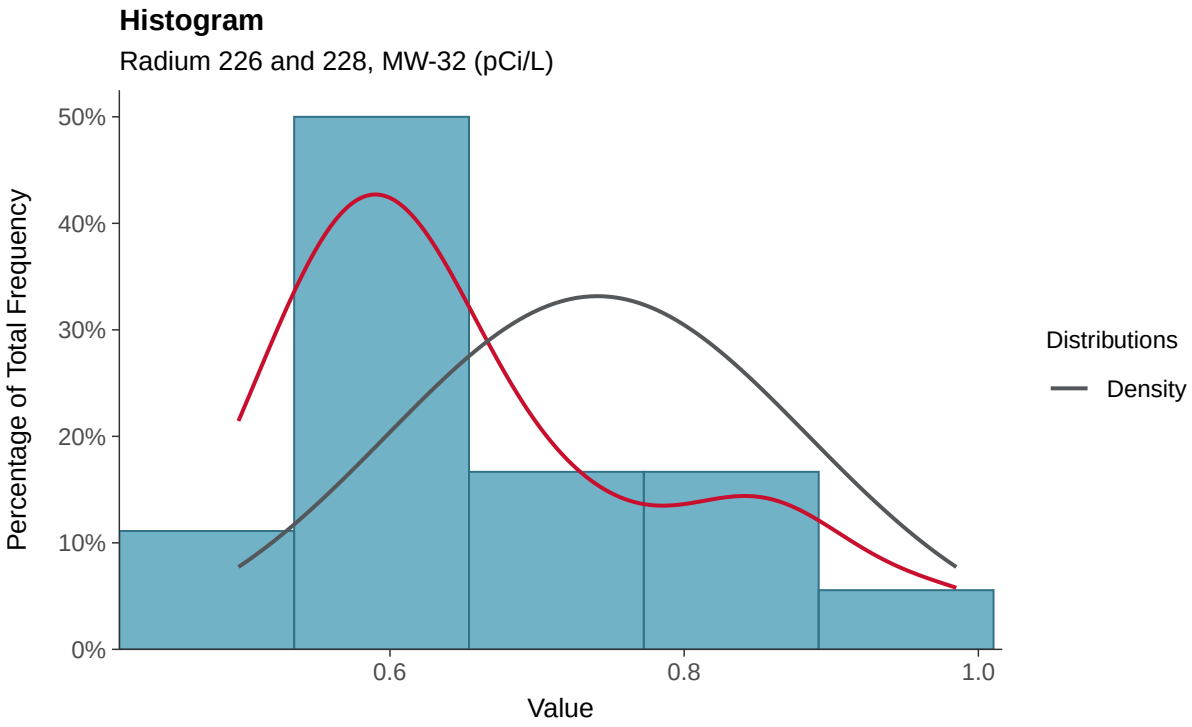
Molybdenum, MW-32 (mg/L)



Appendix IV: Radium 226 and 228, MW-32

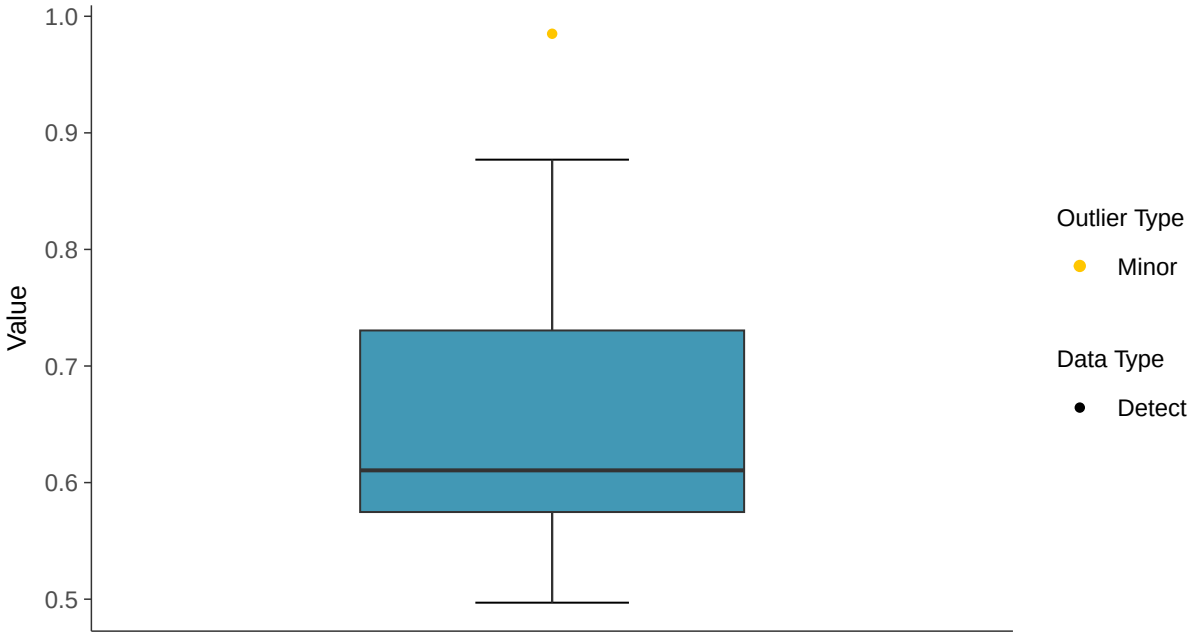
ID: 42_1_4_121





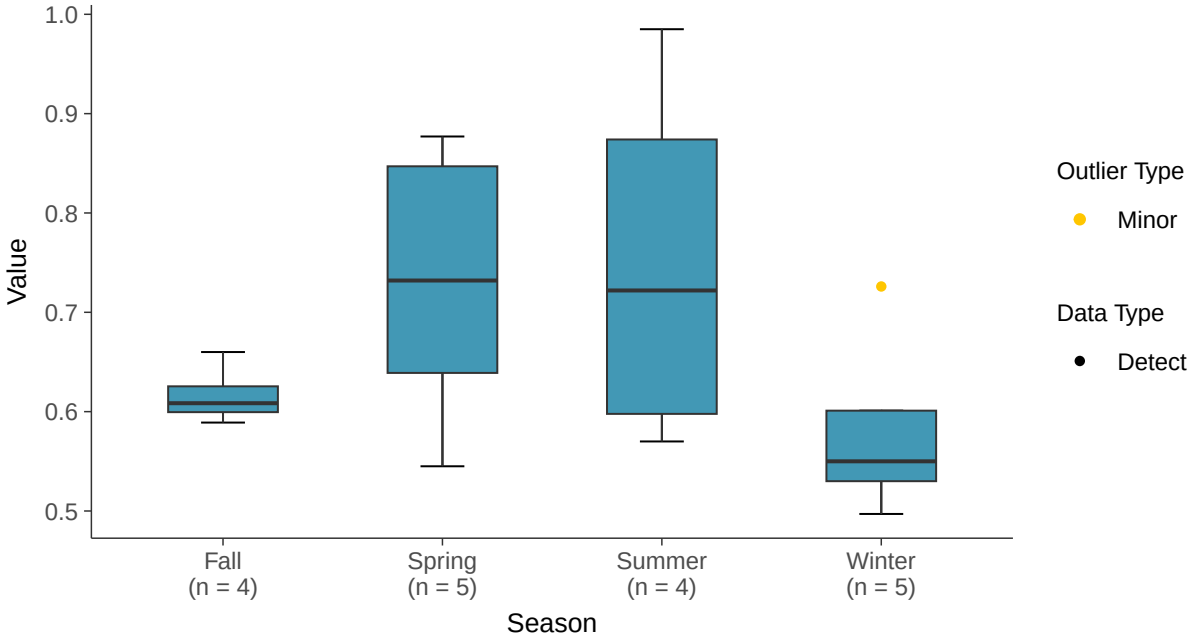
Boxplot

Radium 226 and 228, MW-32 (pCi/L)



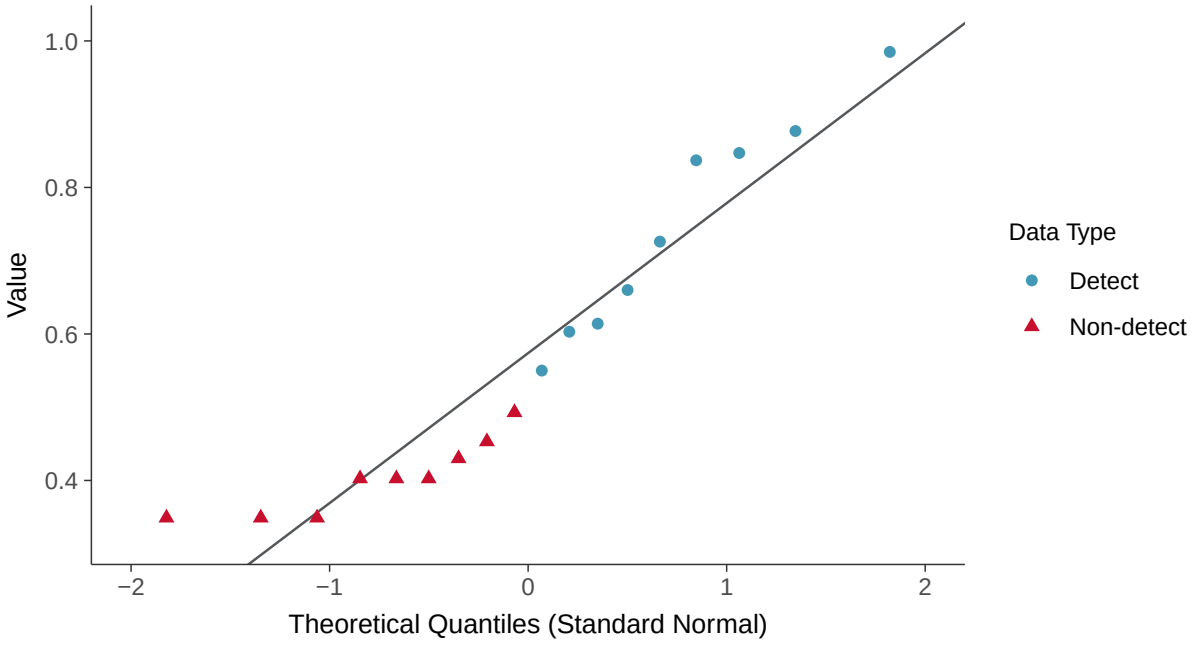
Boxplot by Season

Radium 226 and 228, MW-32 (pCi/L)



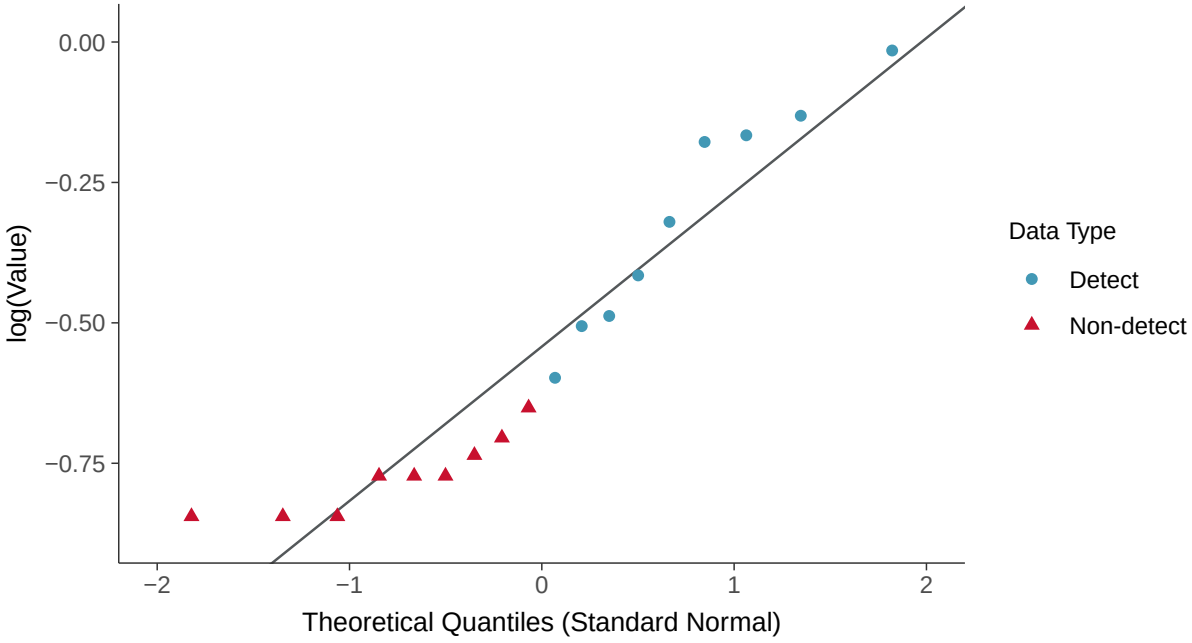
Normal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-32 (pCi/L)



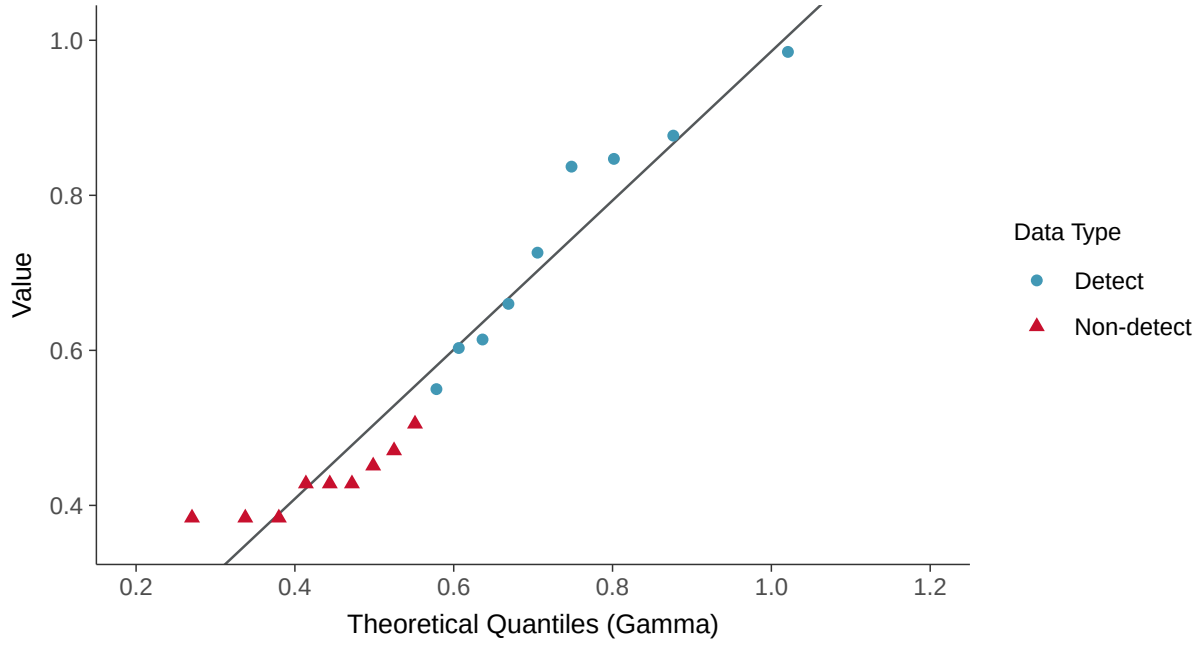
Lognormal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-32 (pCi/L)



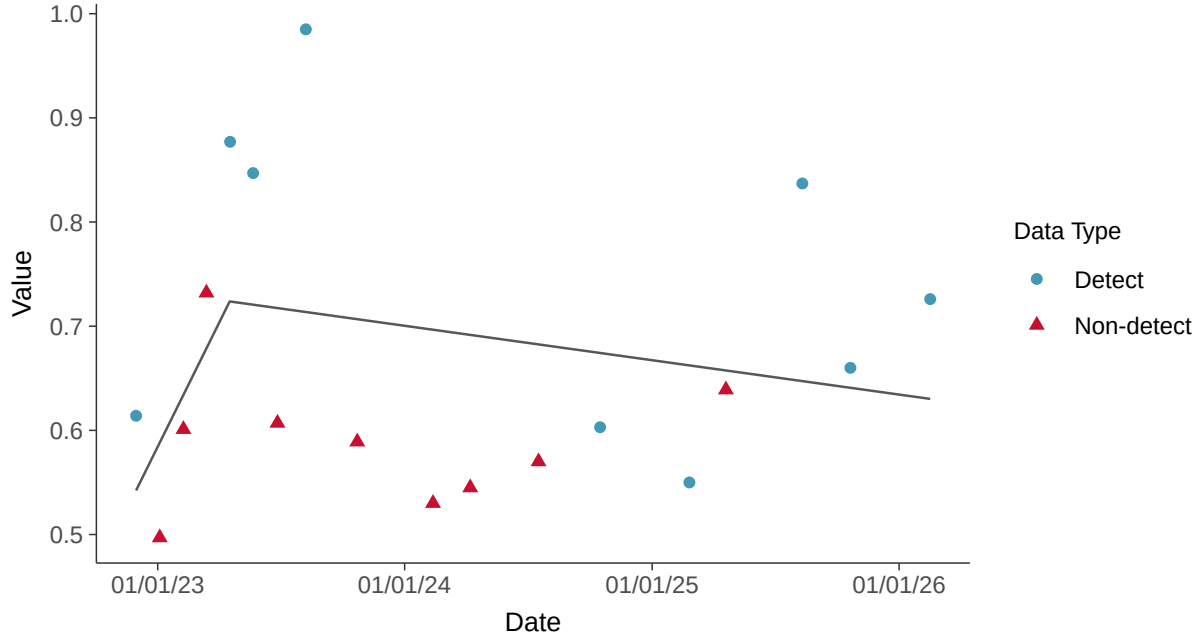
Gamma Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-32 (pCi/L)



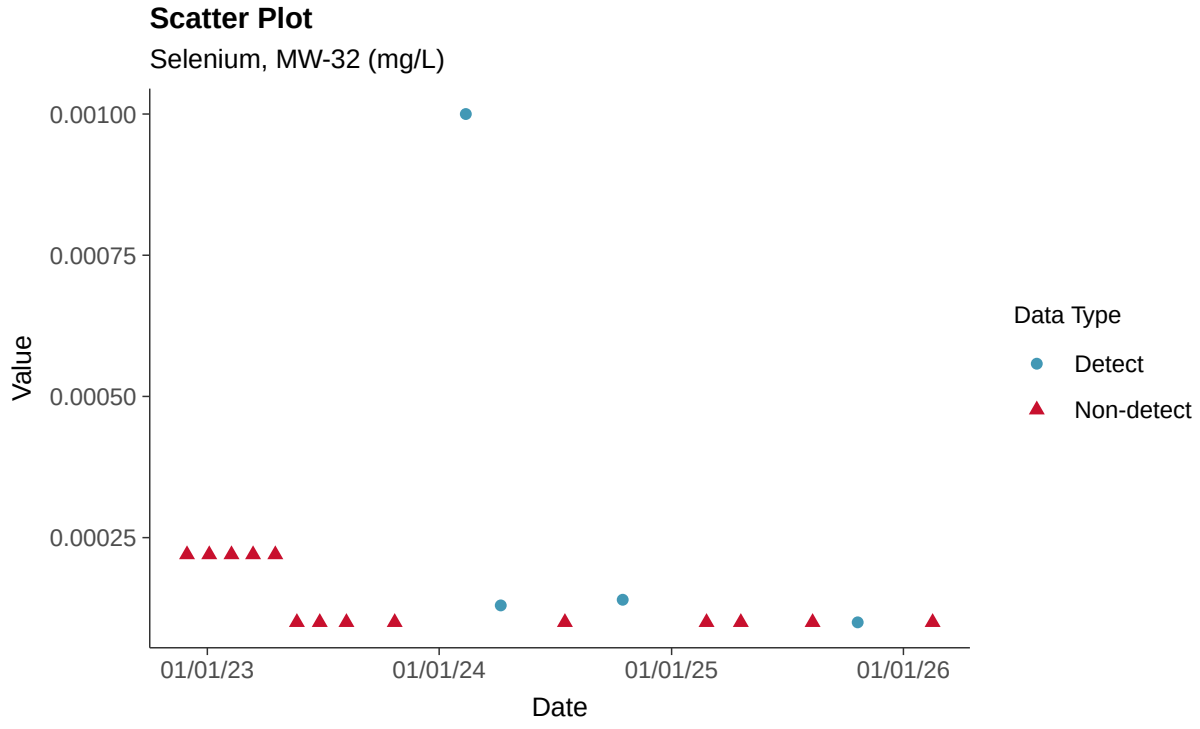
Trend Regression: Piecewise Linear-Linear

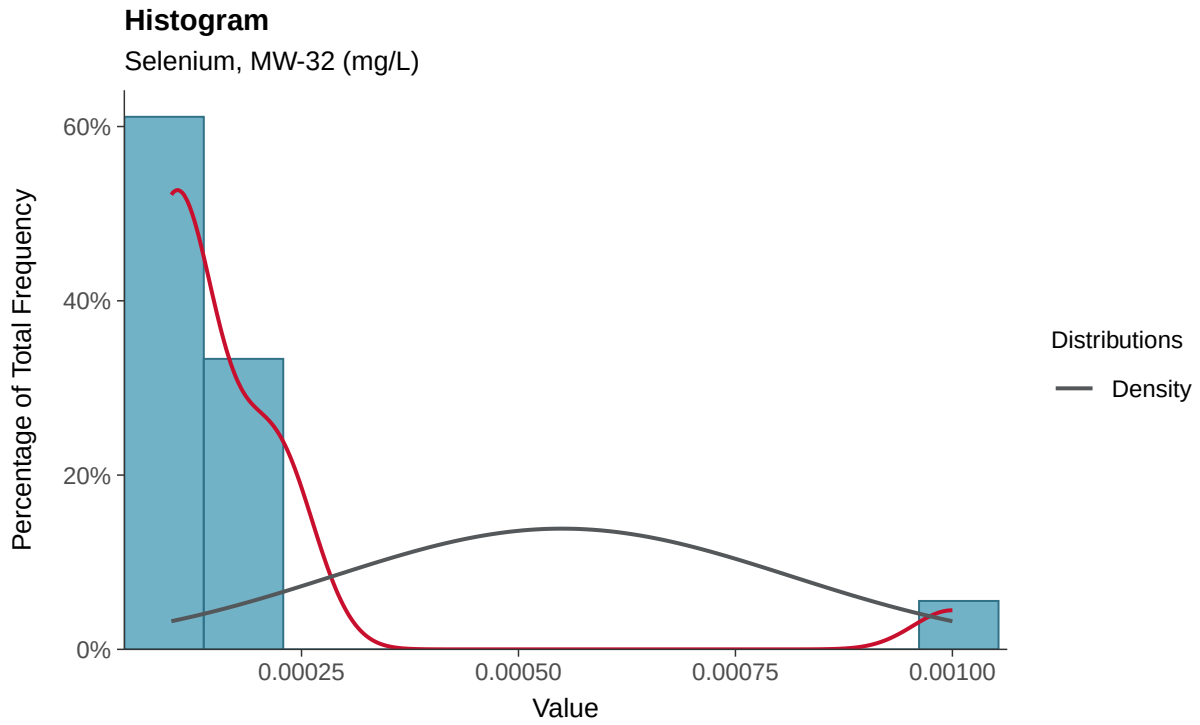
Radium 226 and 228, MW-32 (pCi/L)



Appendix IV: Selenium, MW-32

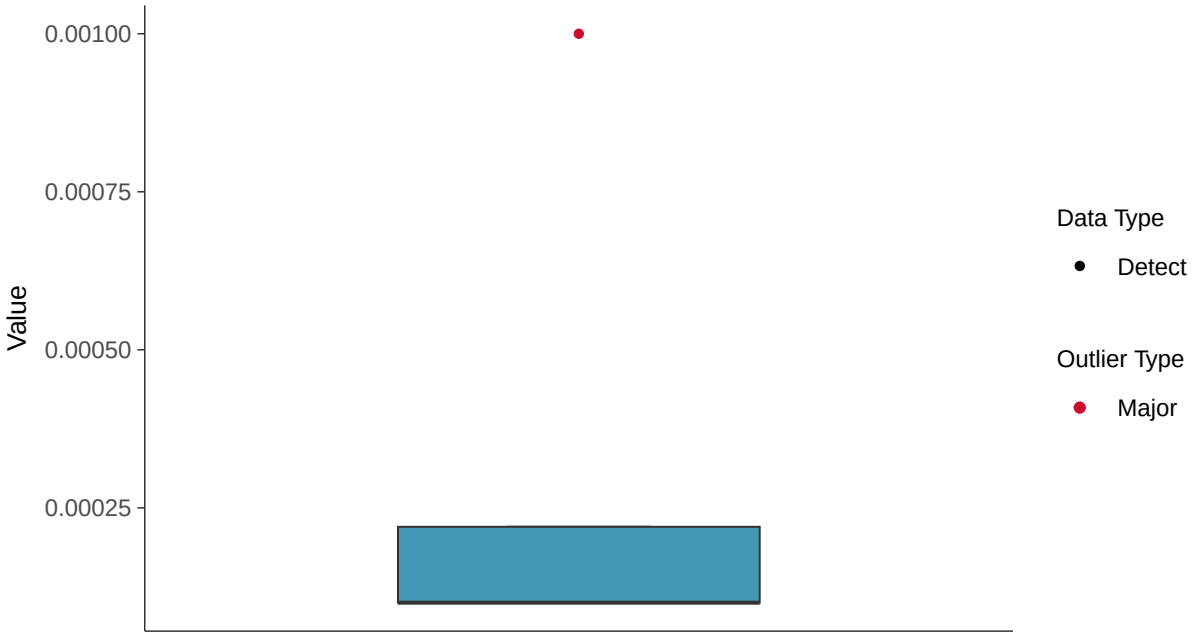
ID: 42_1_4_122





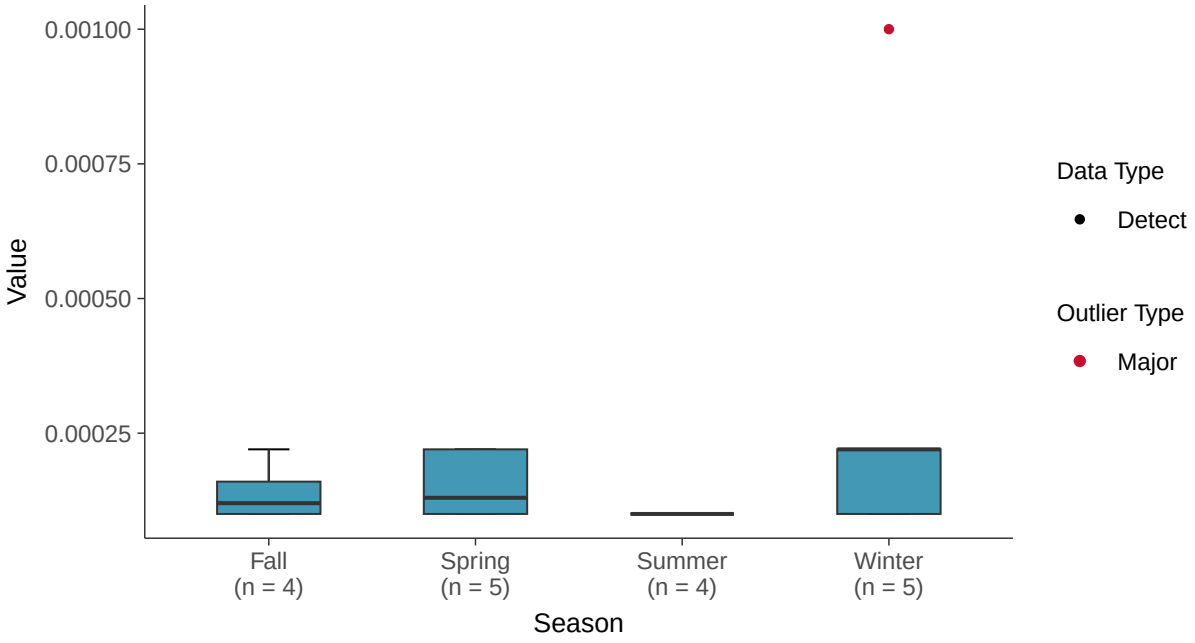
Boxplot

Selenium, MW-32 (mg/L)



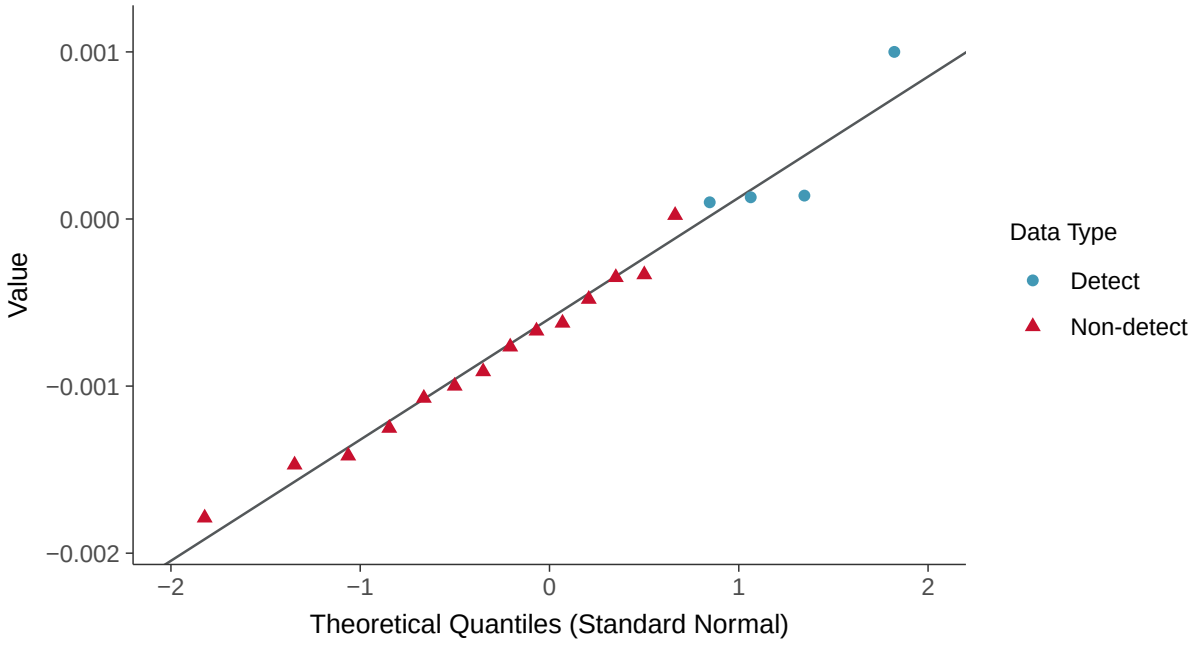
Boxplot by Season

Selenium, MW-32 (mg/L)



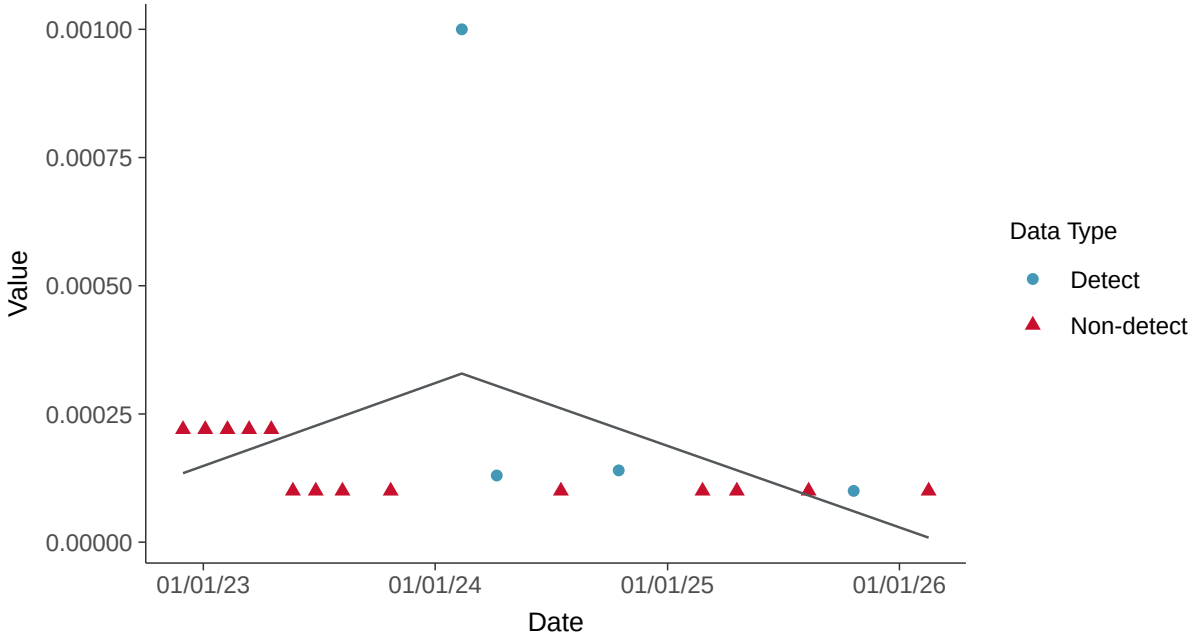
Normal Q-Q plot using ROS Imputed Estimates

Selenium, MW-32 (mg/L)



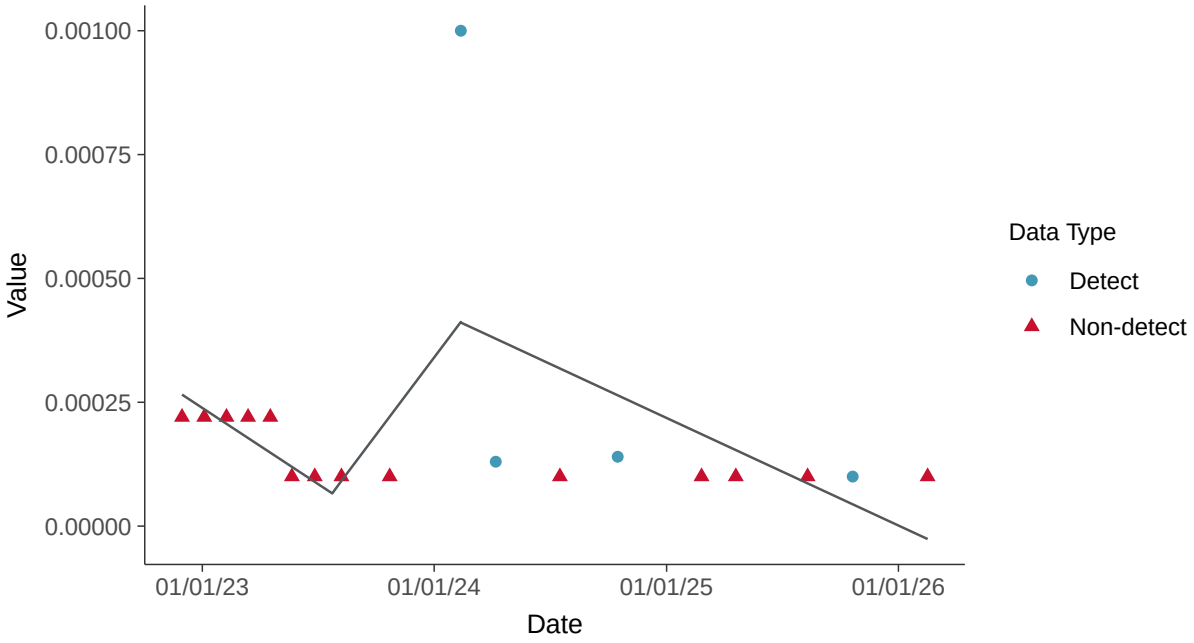
Trend Regression: Piecewise Linear-Linear

Selenium, MW-32 (mg/L)



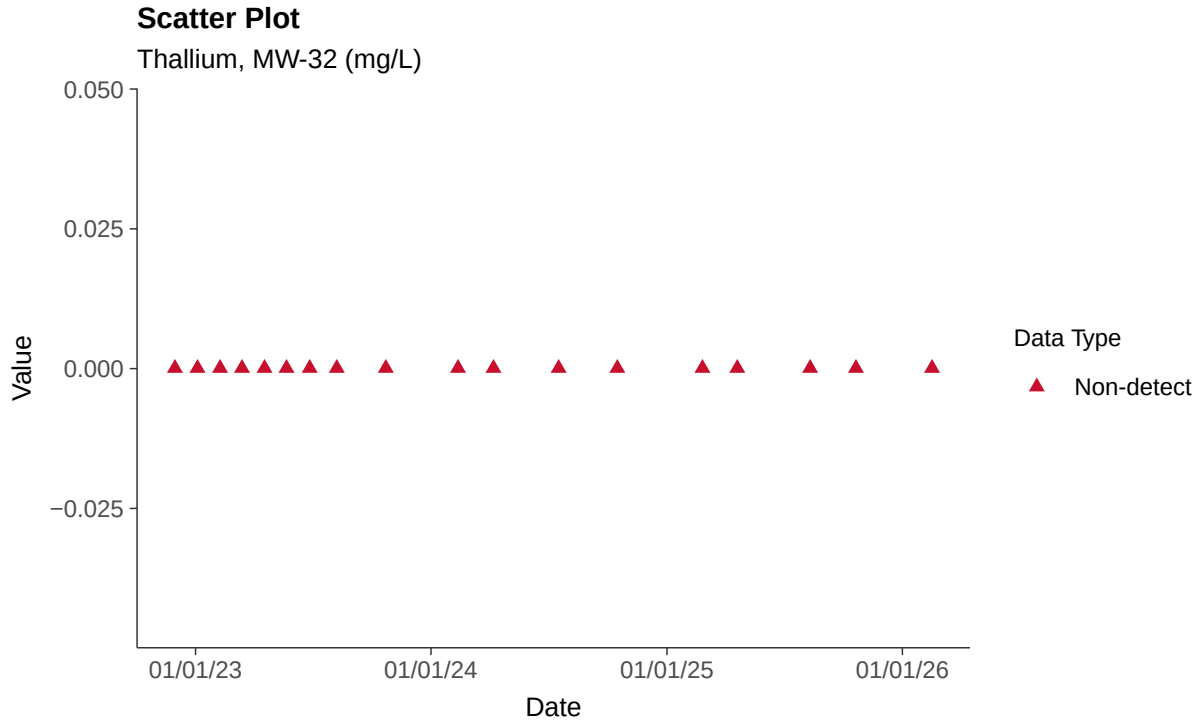
Trend Regression: Piecewise Linear-Linear-Linear

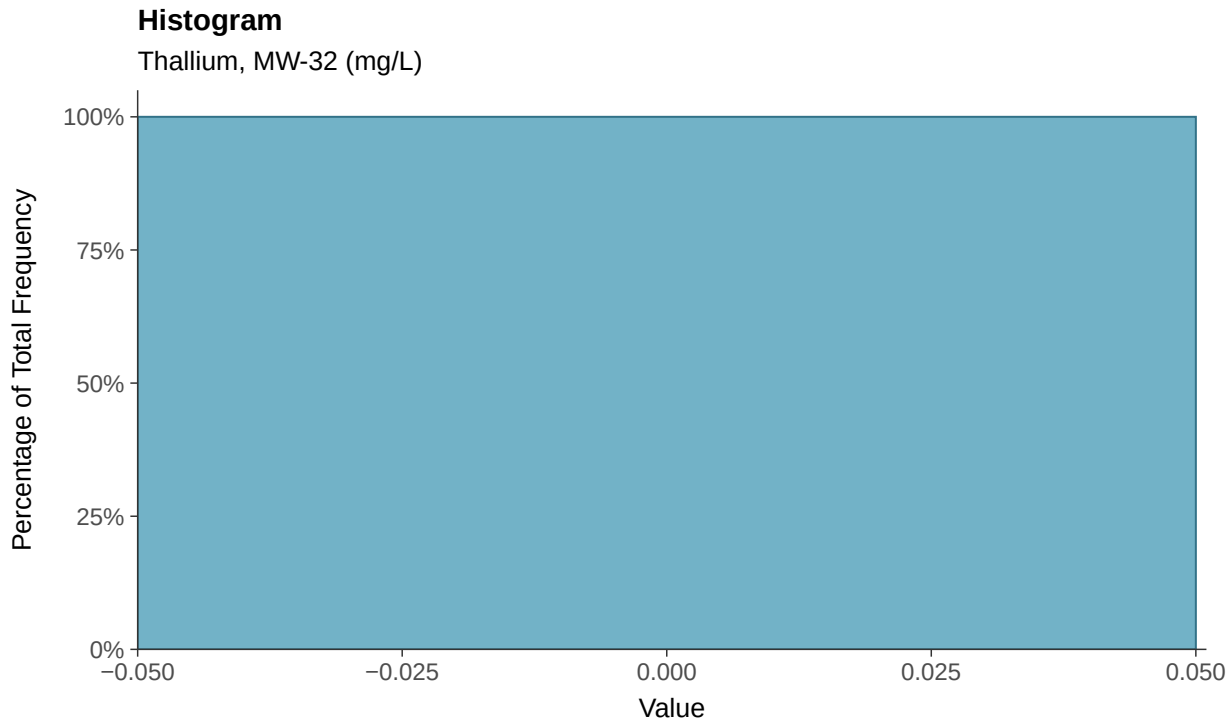
Selenium, MW-32 (mg/L)



Appendix IV: Thallium, MW-32

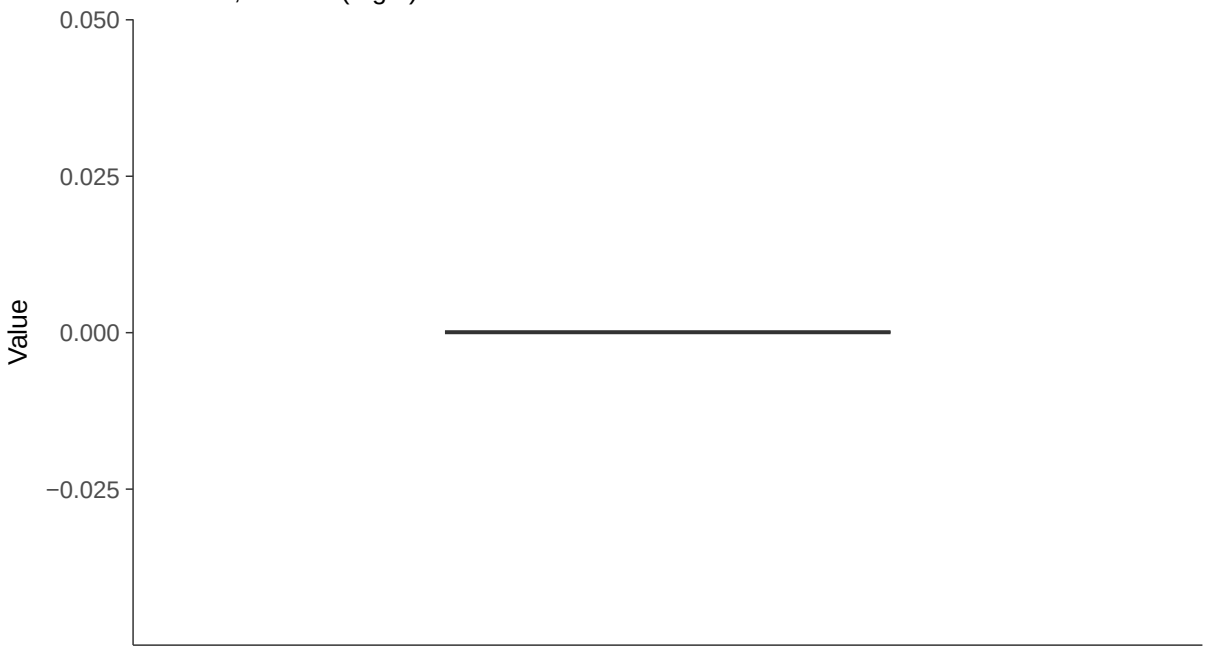
ID: 42_1_4_125





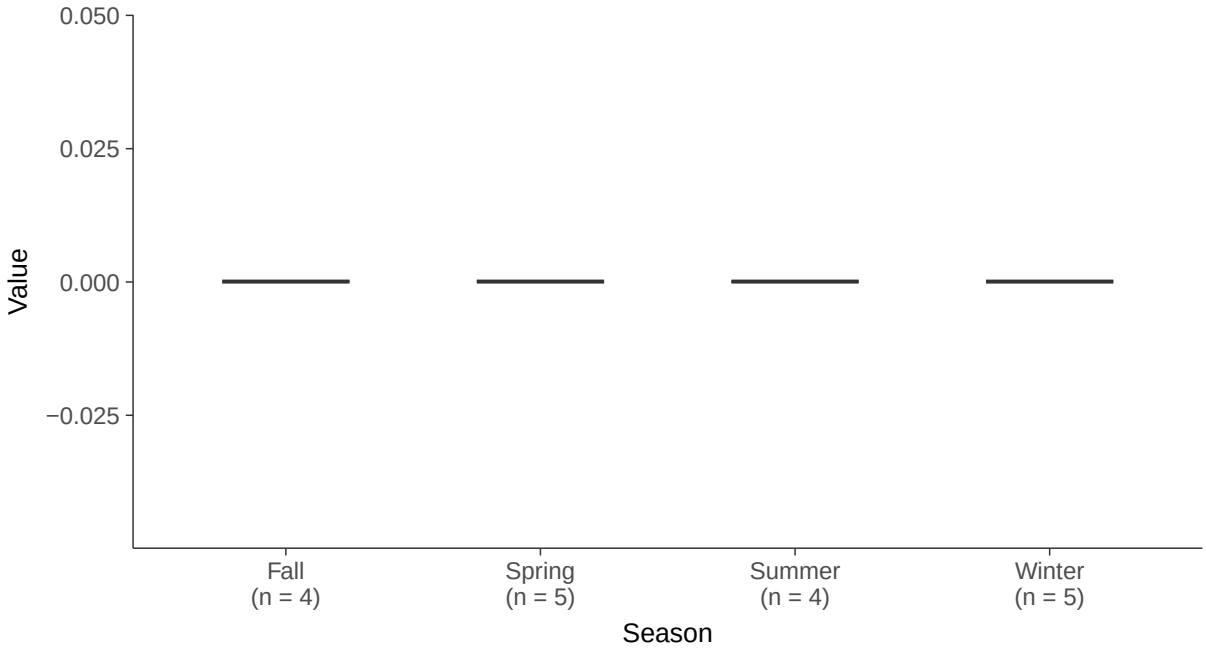
Boxplot

Thallium, MW-32 (mg/L)



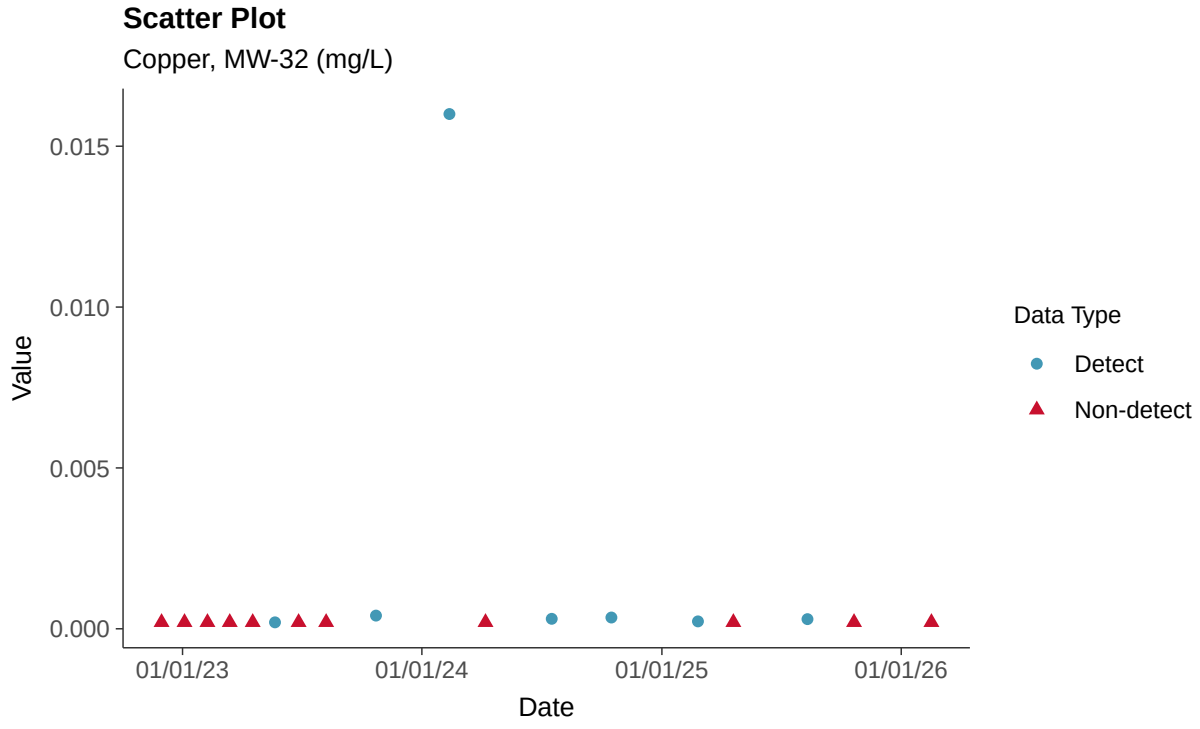
Boxplot by Season

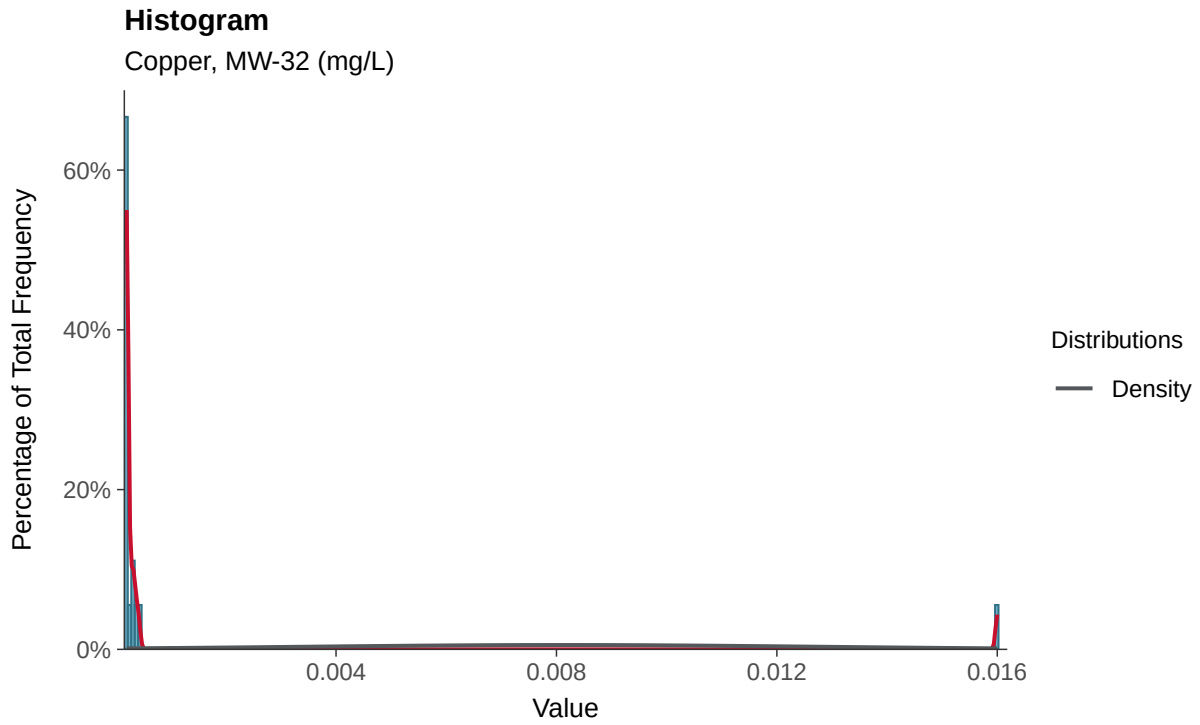
Thallium, MW-32 (mg/L)



Part 115: Copper, MW-32

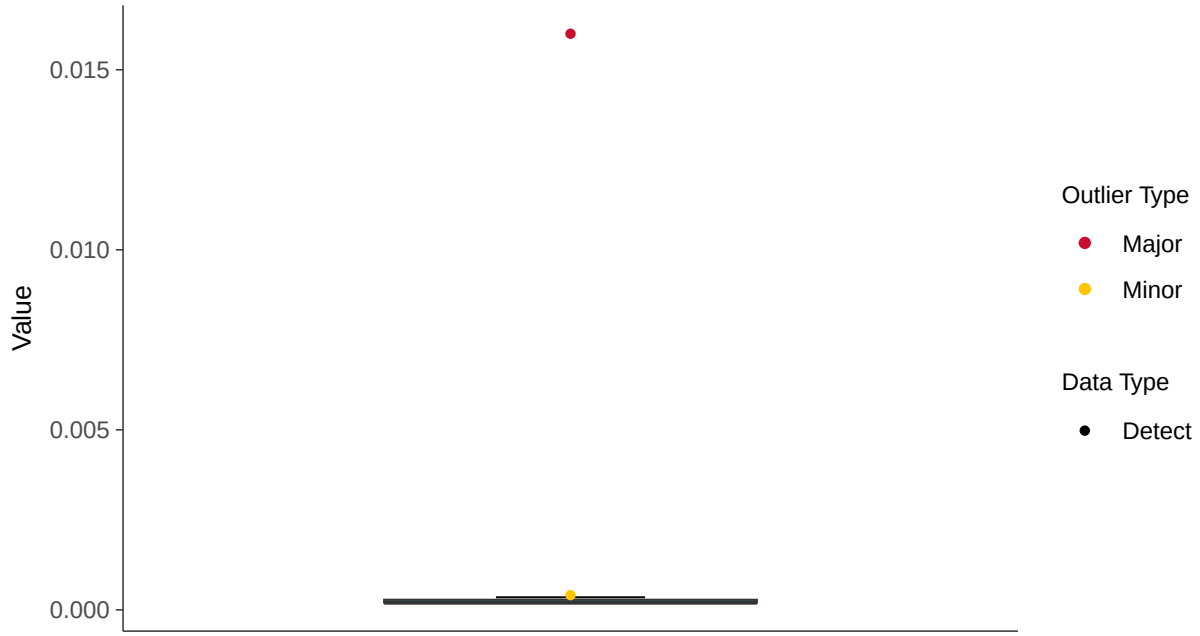
ID: 42_1_5_111





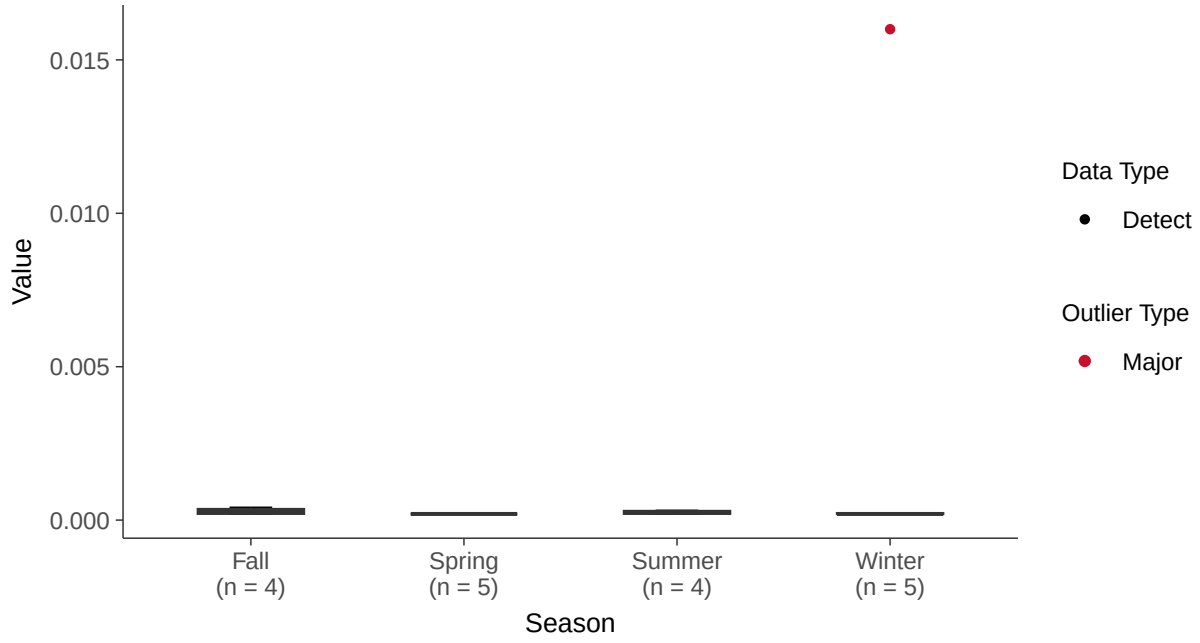
Boxplot

Copper, MW-32 (mg/L)



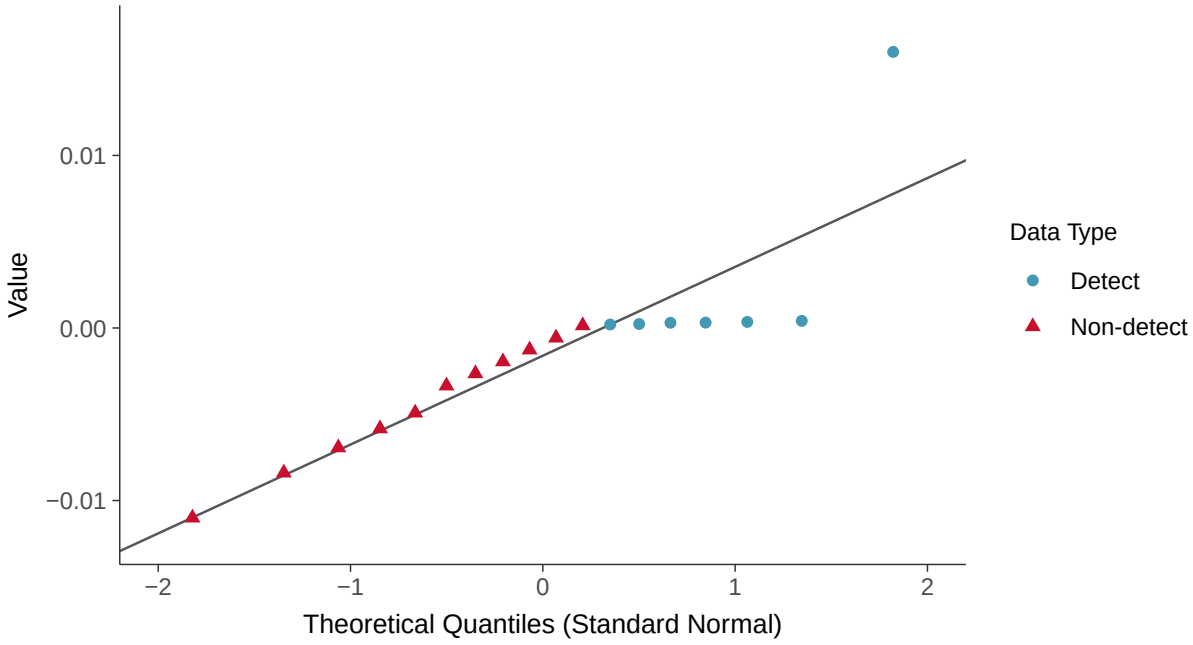
Boxplot by Season

Copper, MW-32 (mg/L)



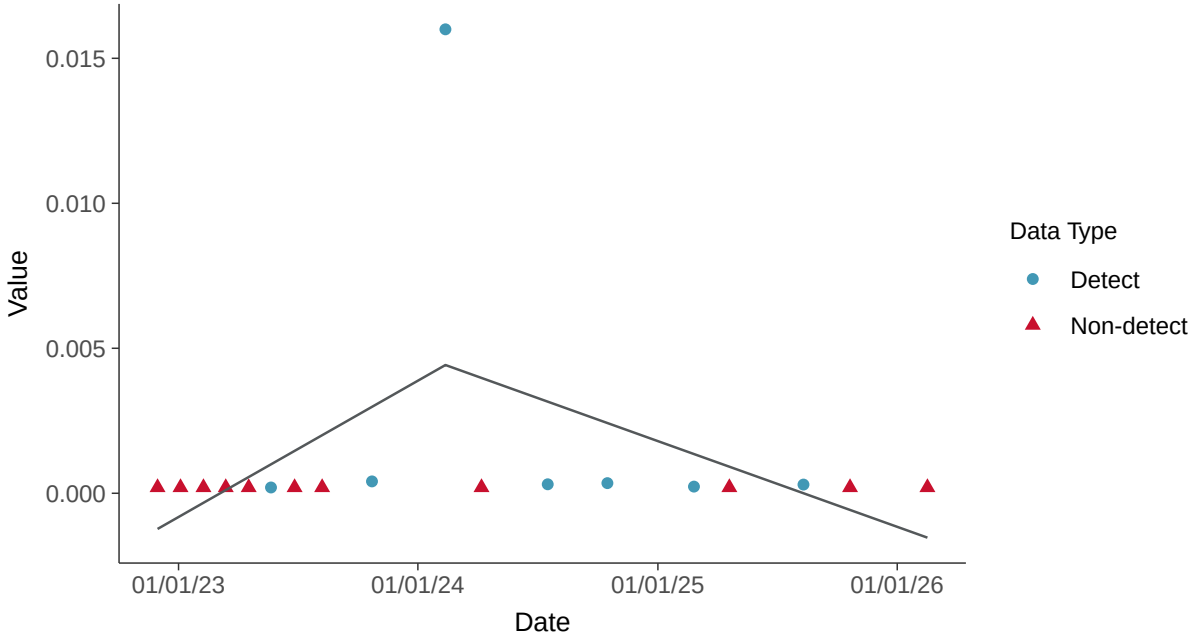
Normal Q-Q plot using ROS Imputed Estimates

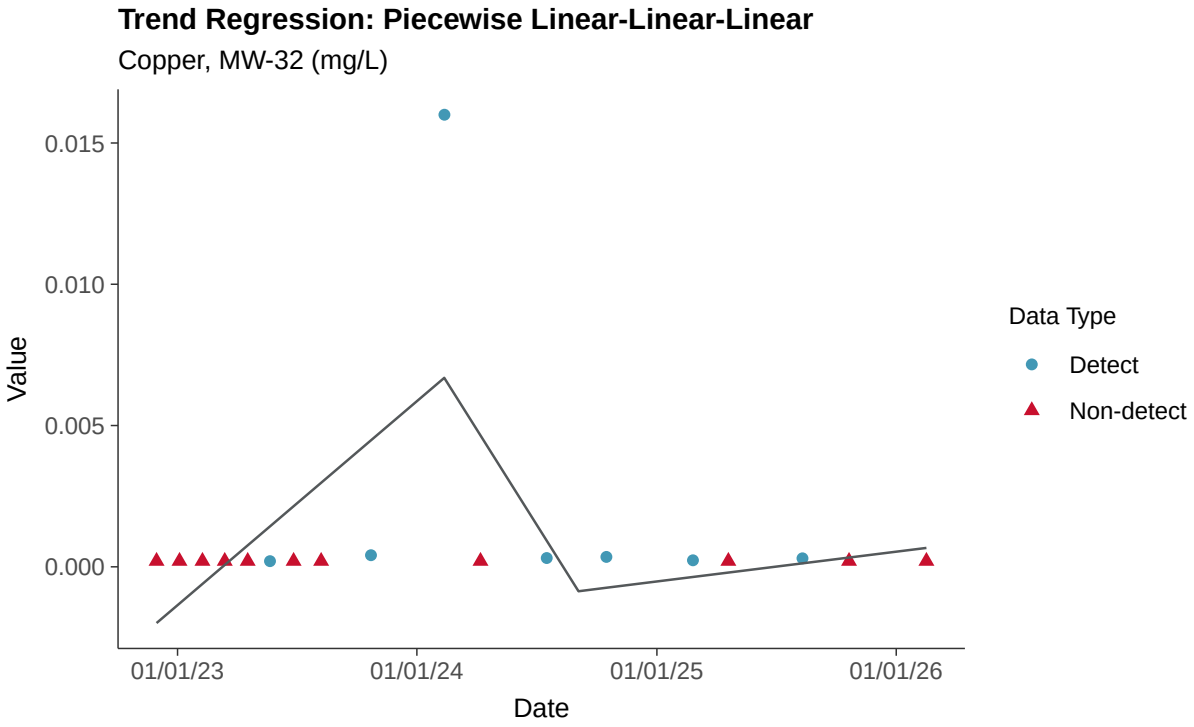
Copper, MW-32 (mg/L)



Trend Regression: Piecewise Linear-Linear

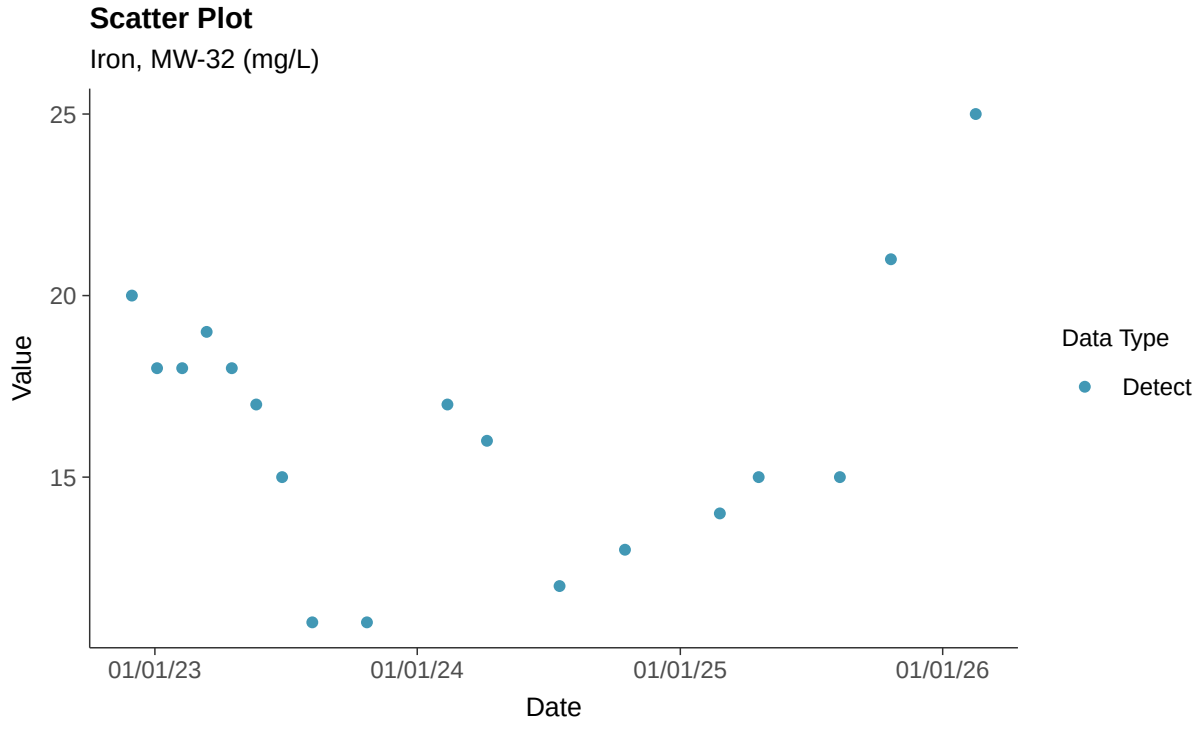
Copper, MW-32 (mg/L)

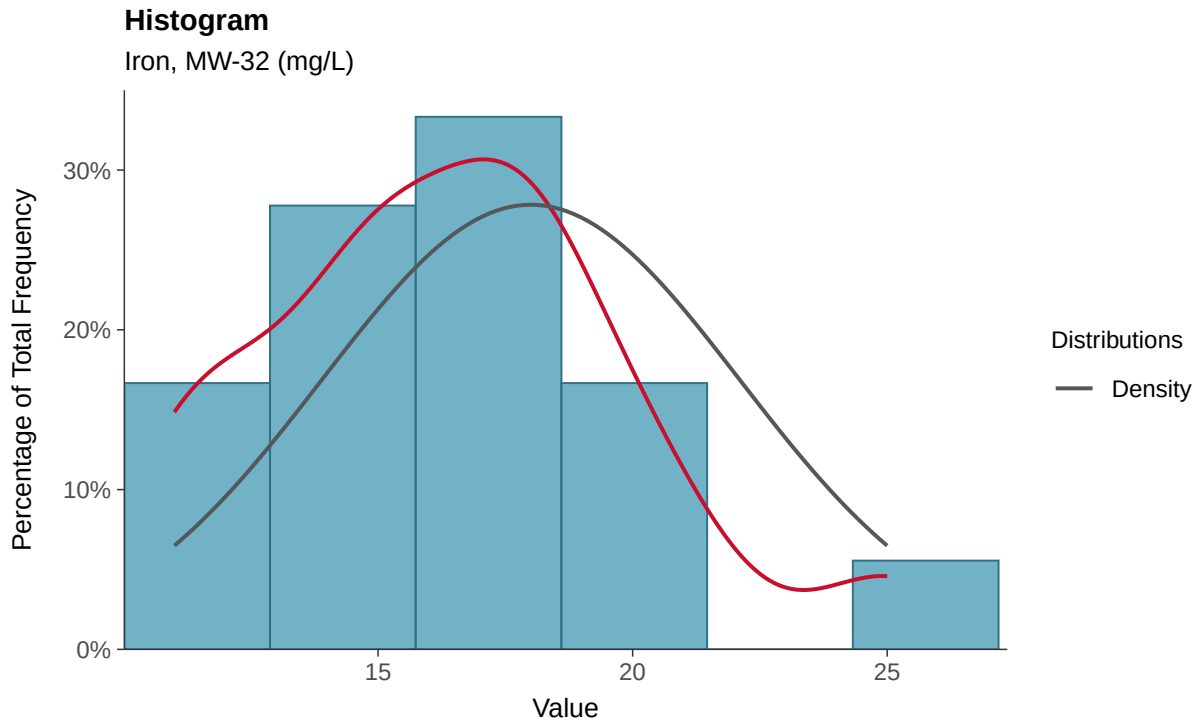



Trend Regression: Piecewise Linear-Linear-Linear
Copper, MW-32 (mg/L)
0.015
0.010
0.005
0.000
Value
01/01/23
01/01/24
01/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Iron, MW-32

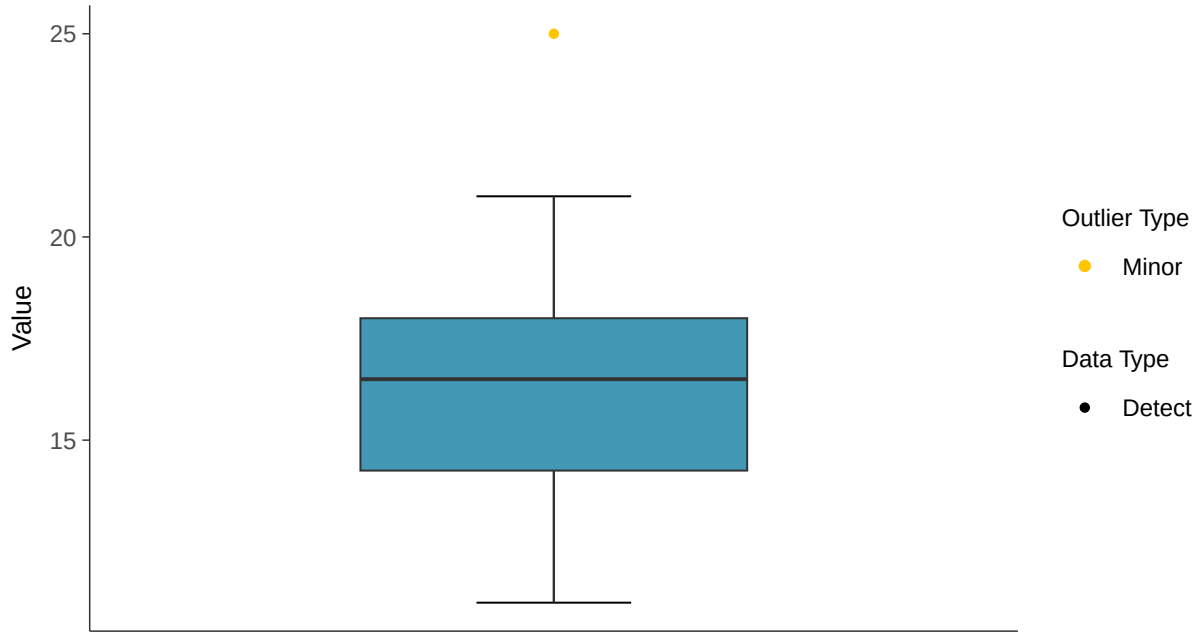
ID: 42_1_5_114





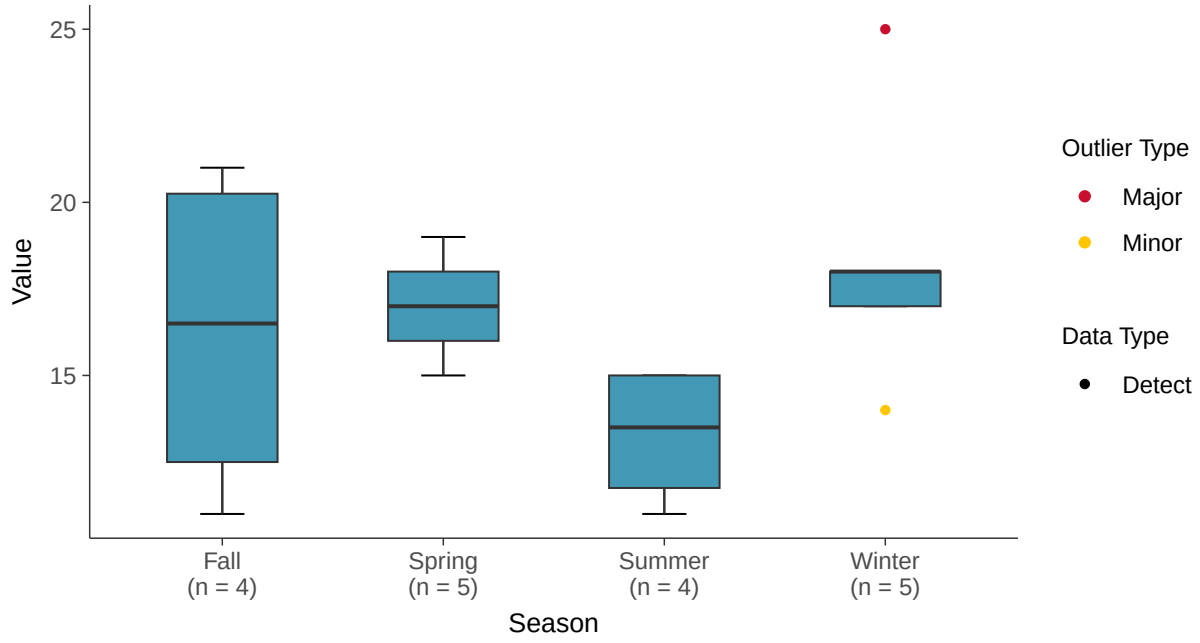
Boxplot

Iron, MW-32 (mg/L)



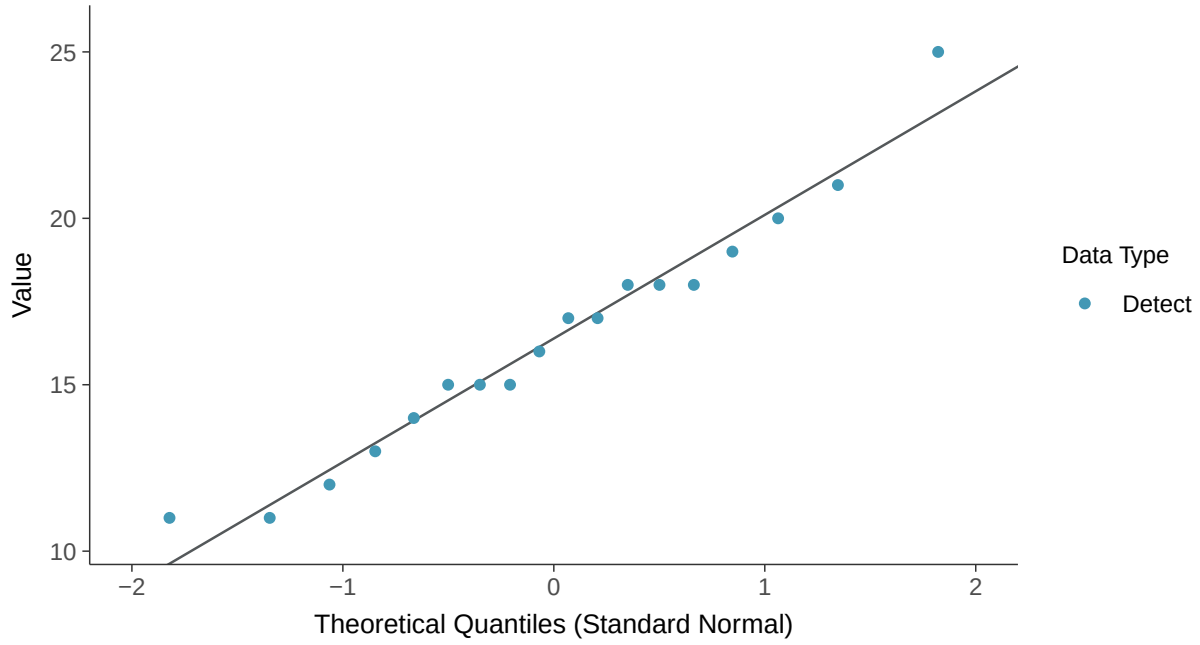
Boxplot by Season

Iron, MW-32 (mg/L)



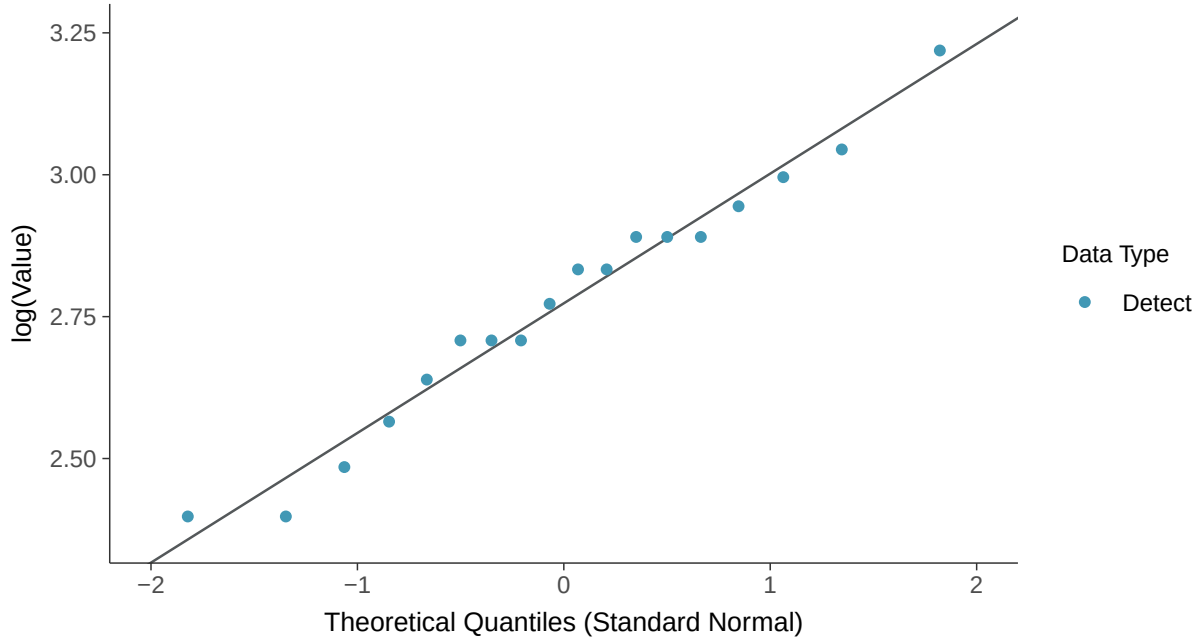
Normal Q-Q plot

Iron, MW-32 (mg/L)



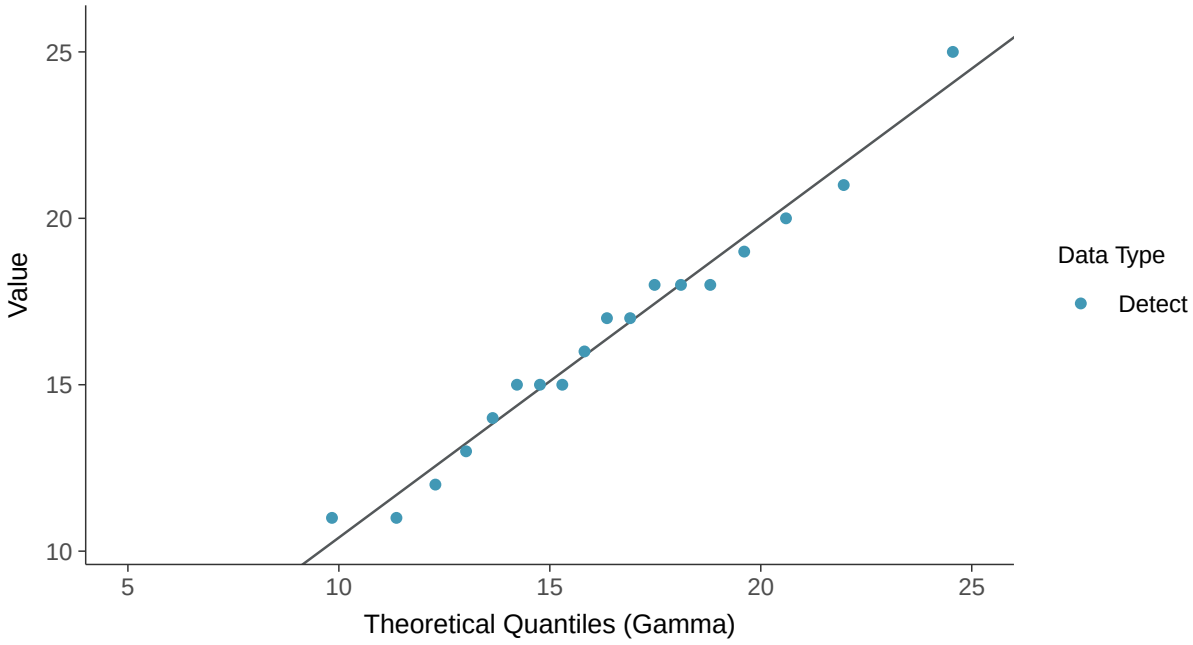
Lognormal Q-Q plot

Iron, MW-32 (mg/L)



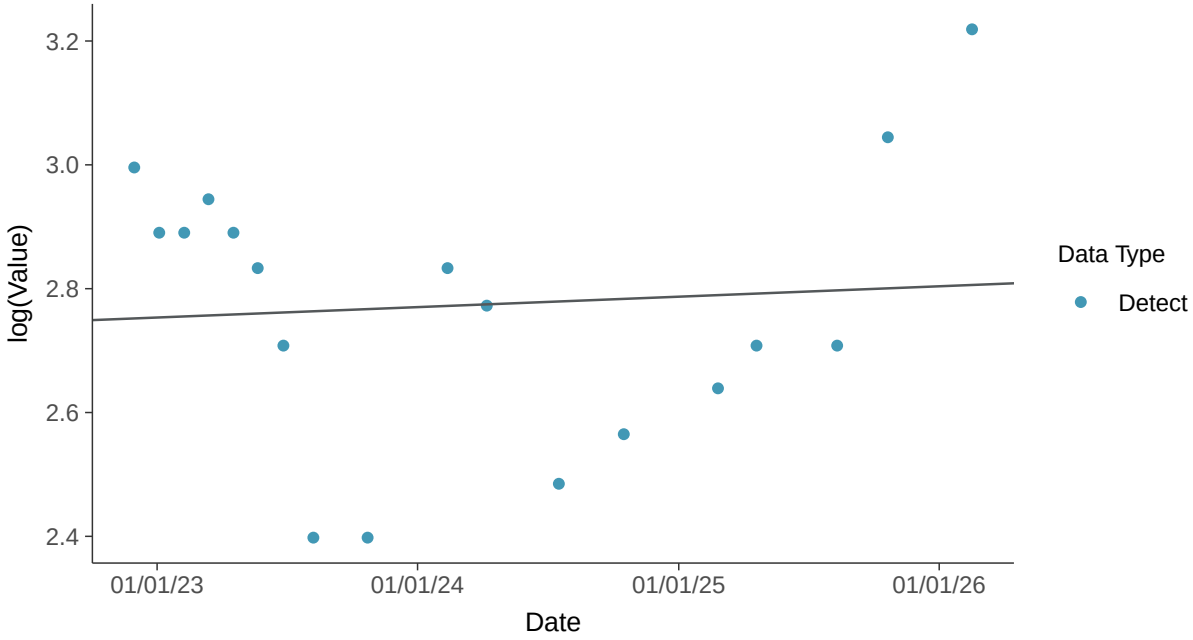
Gamma Q-Q plot

Iron, MW-32 (mg/L)



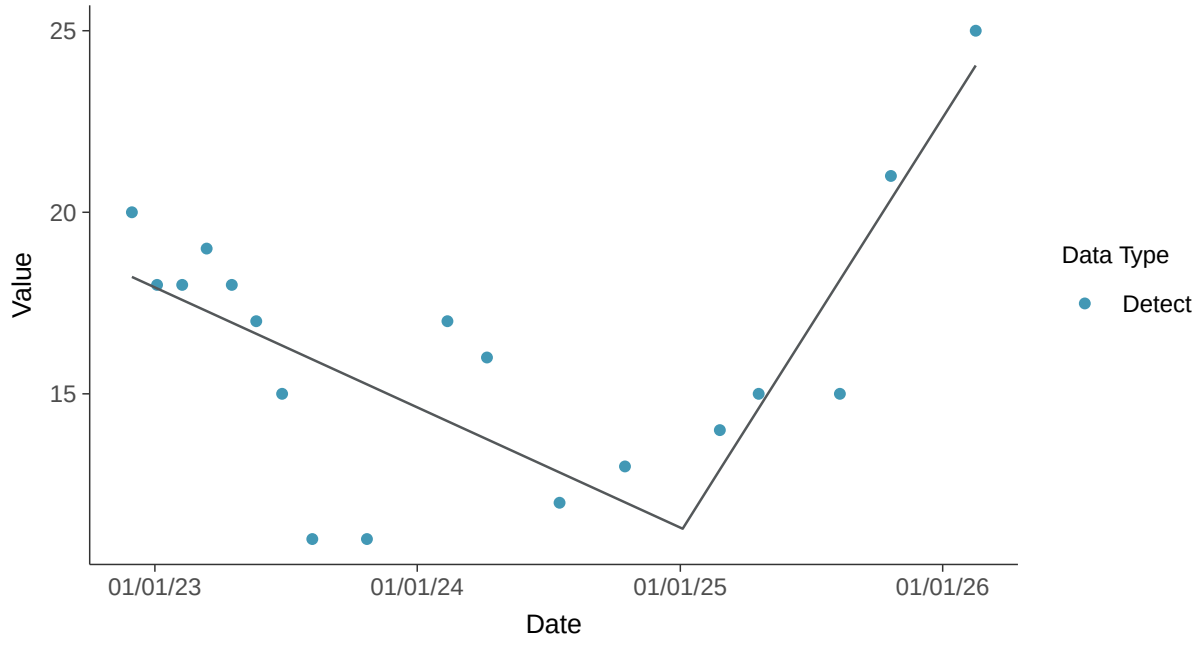
Trend Regression: Lognormal MLE

Iron, MW-32 (mg/L)



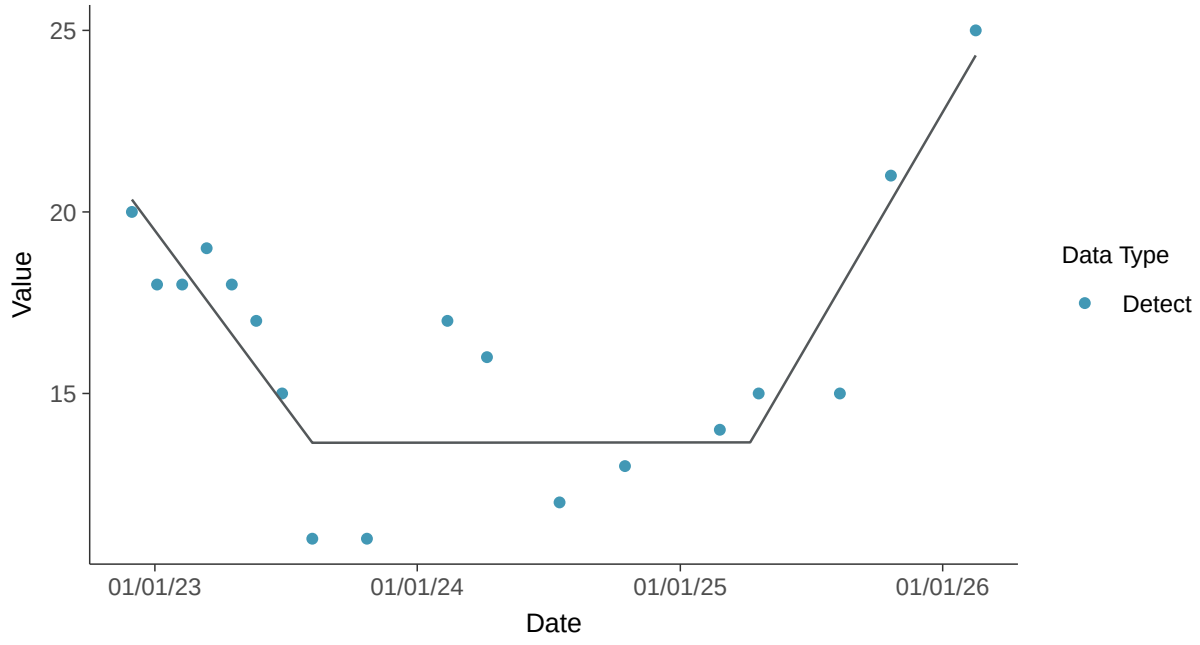
Trend Regression: Piecewise Linear-Linear

Iron, MW-32 (mg/L)



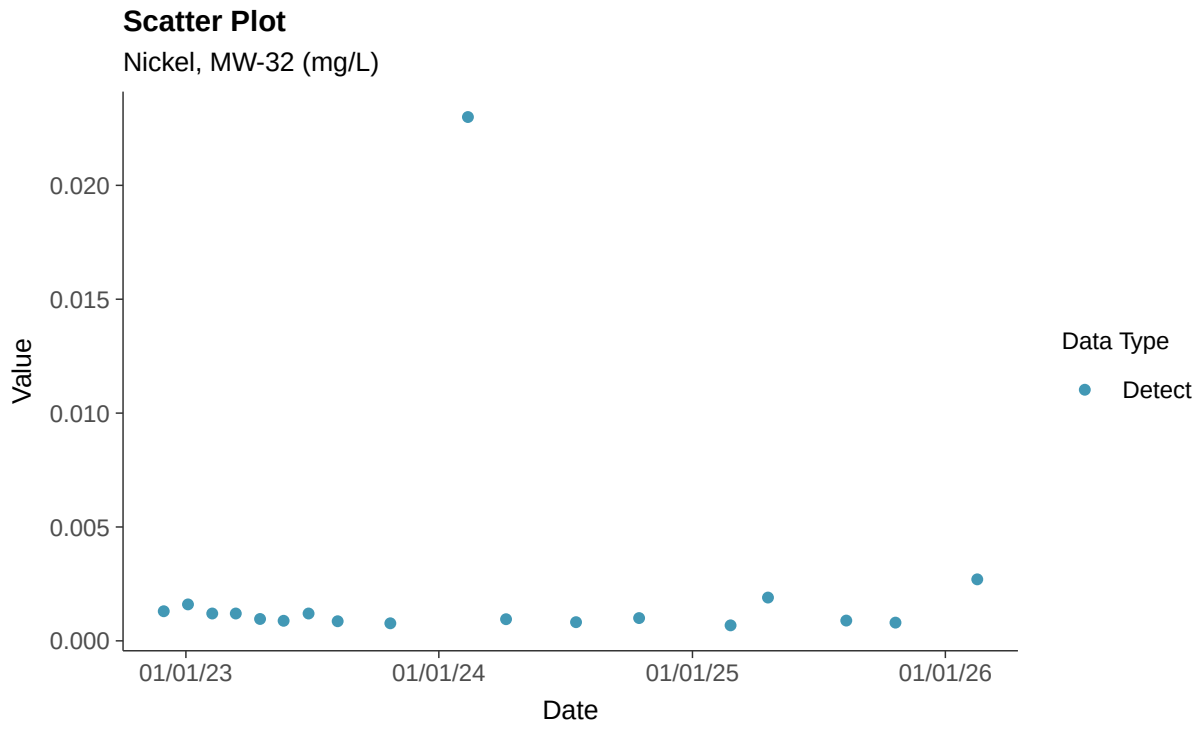
Trend Regression: Piecewise Linear-Linear-Linear

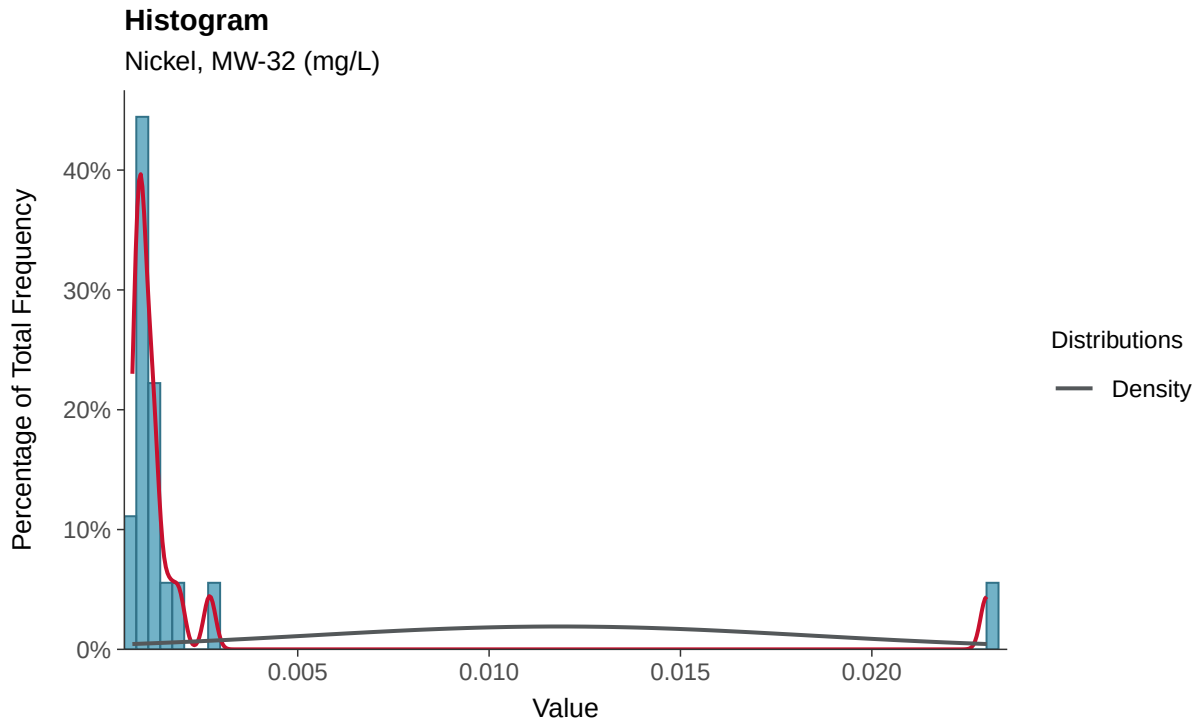
Iron, MW-32 (mg/L)



Part 115: Nickel, MW-32

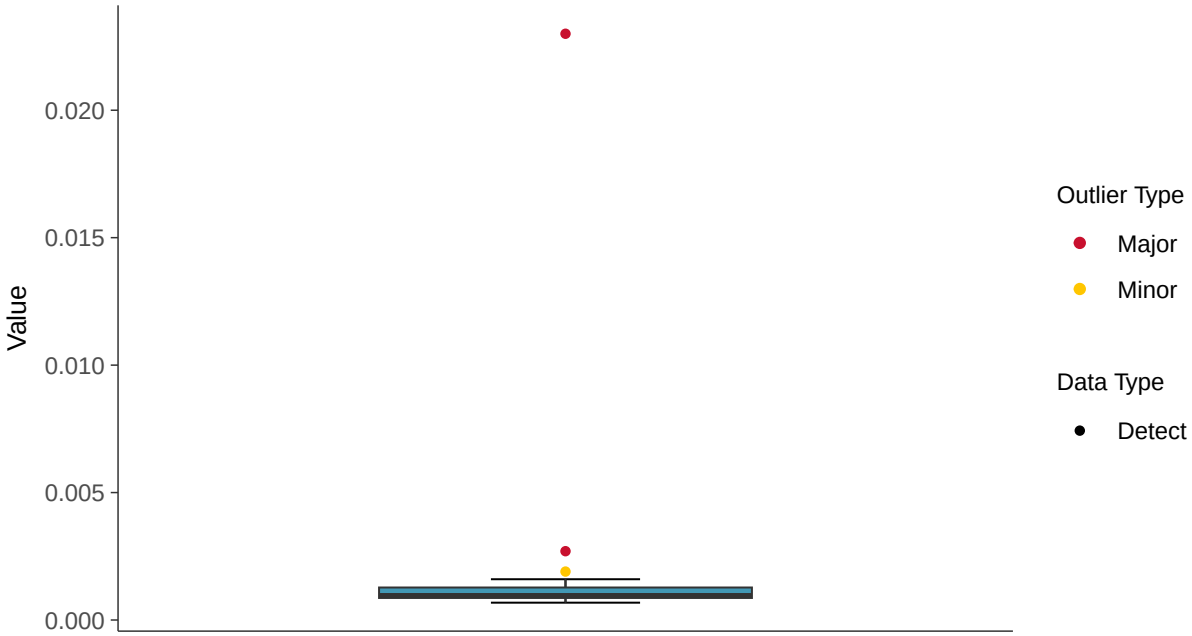
ID: 42_1_5_119





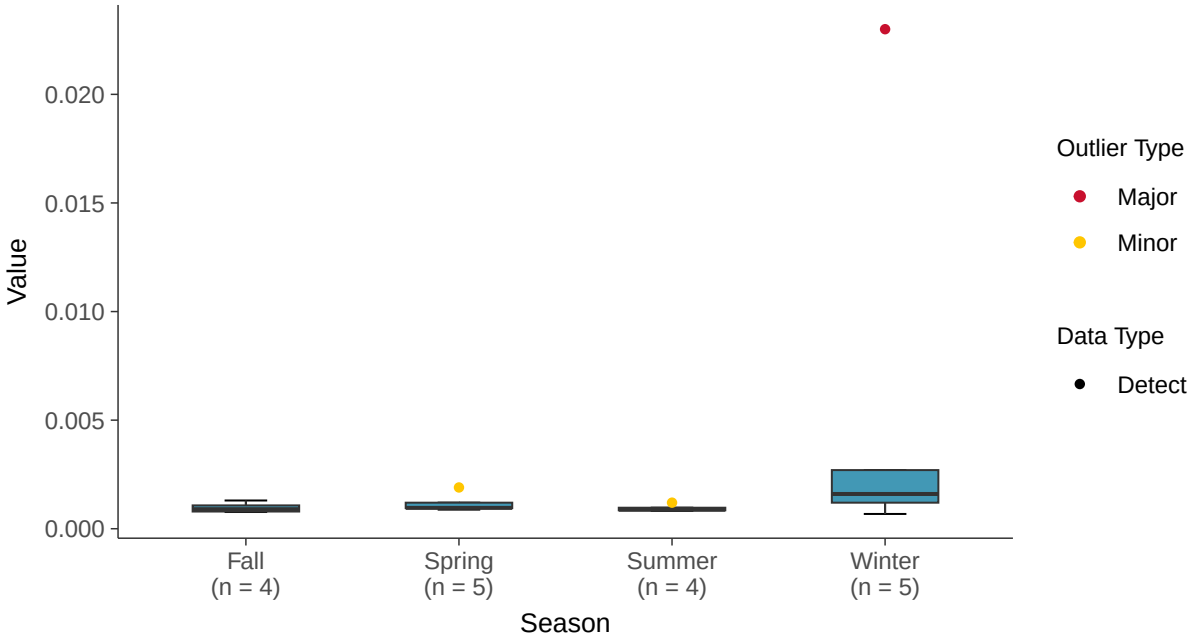
Boxplot

Nickel, MW-32 (mg/L)



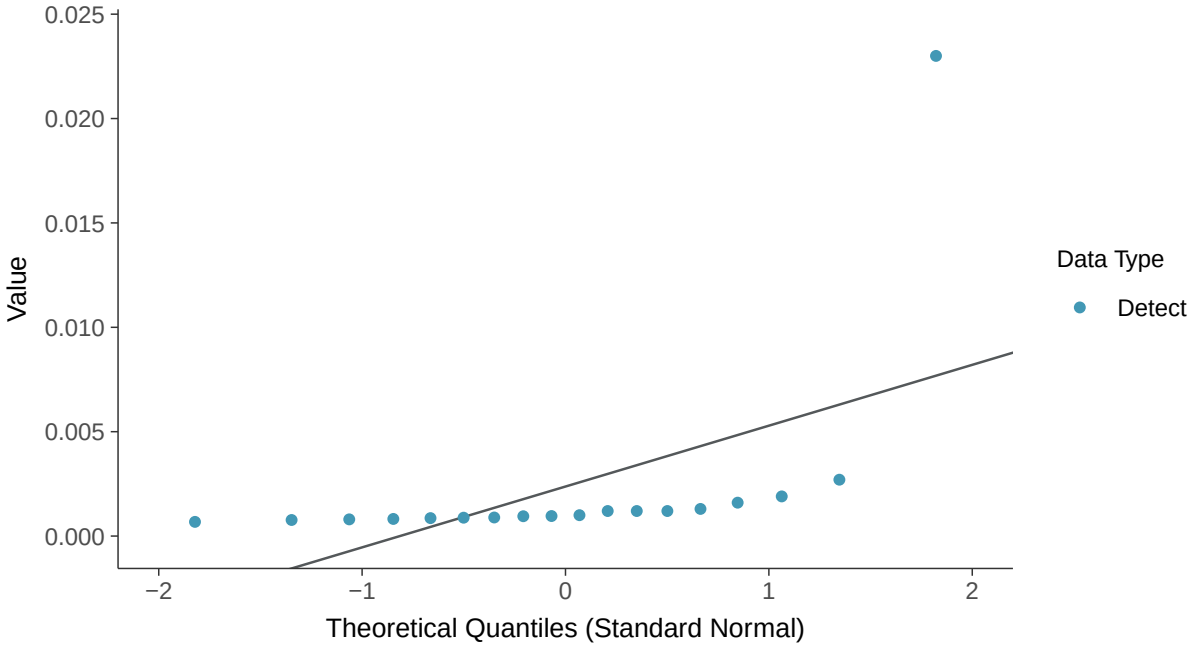
Boxplot by Season

Nickel, MW-32 (mg/L)



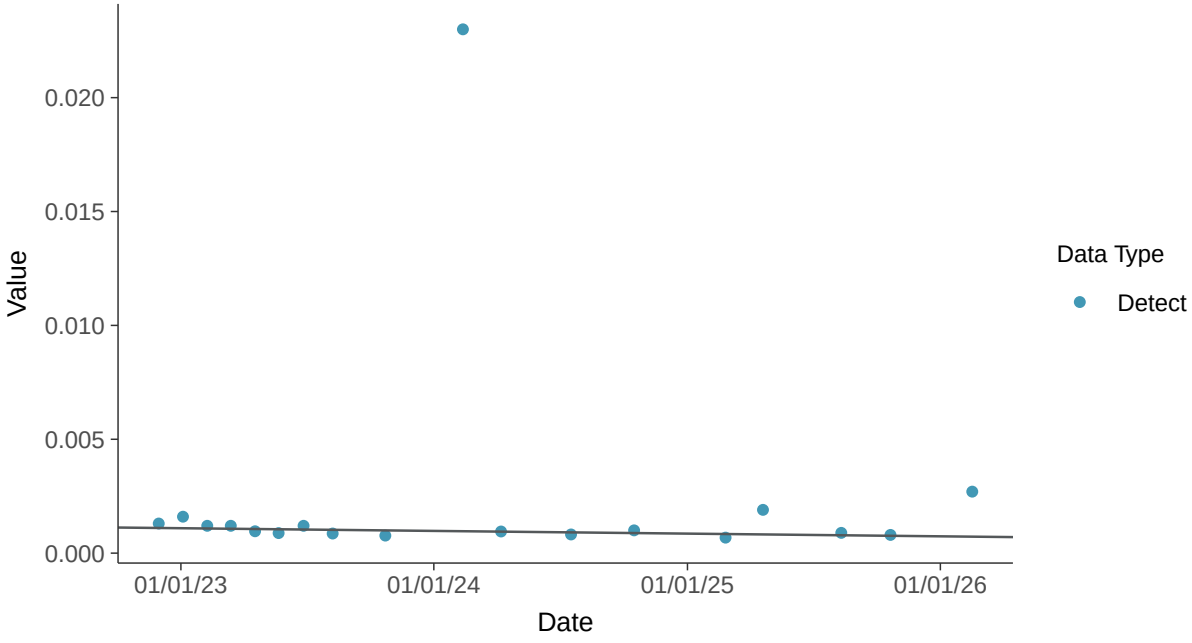
Normal Q-Q plot

Nickel, MW-32 (mg/L)



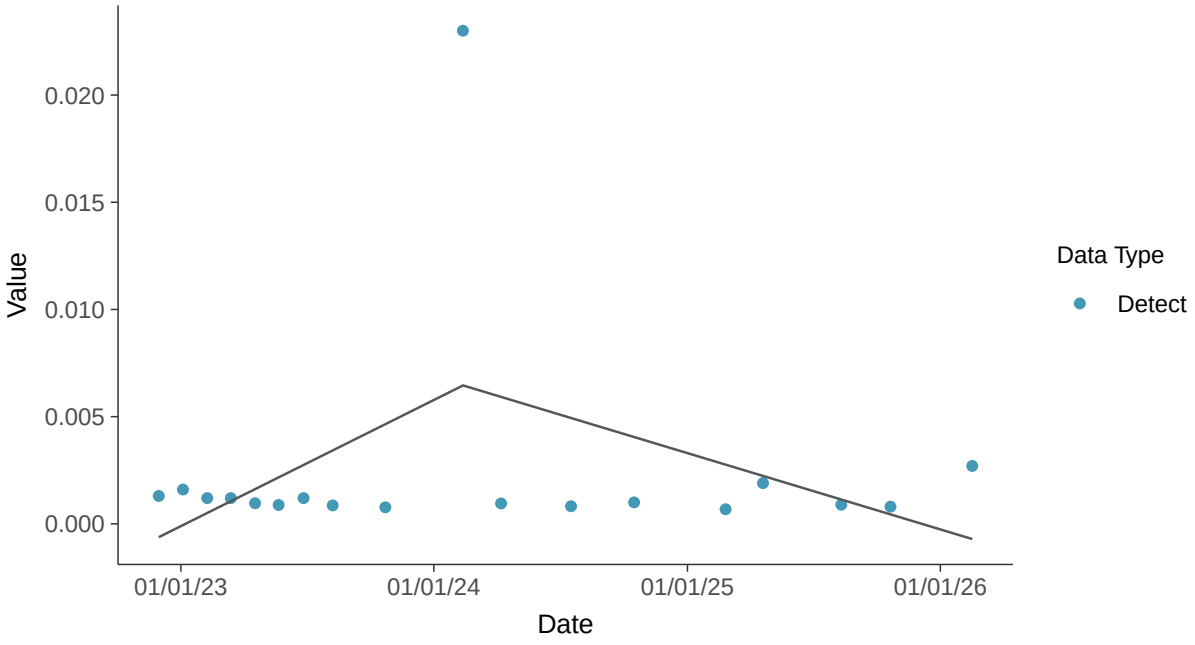
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Nickel, MW-32 (mg/L)



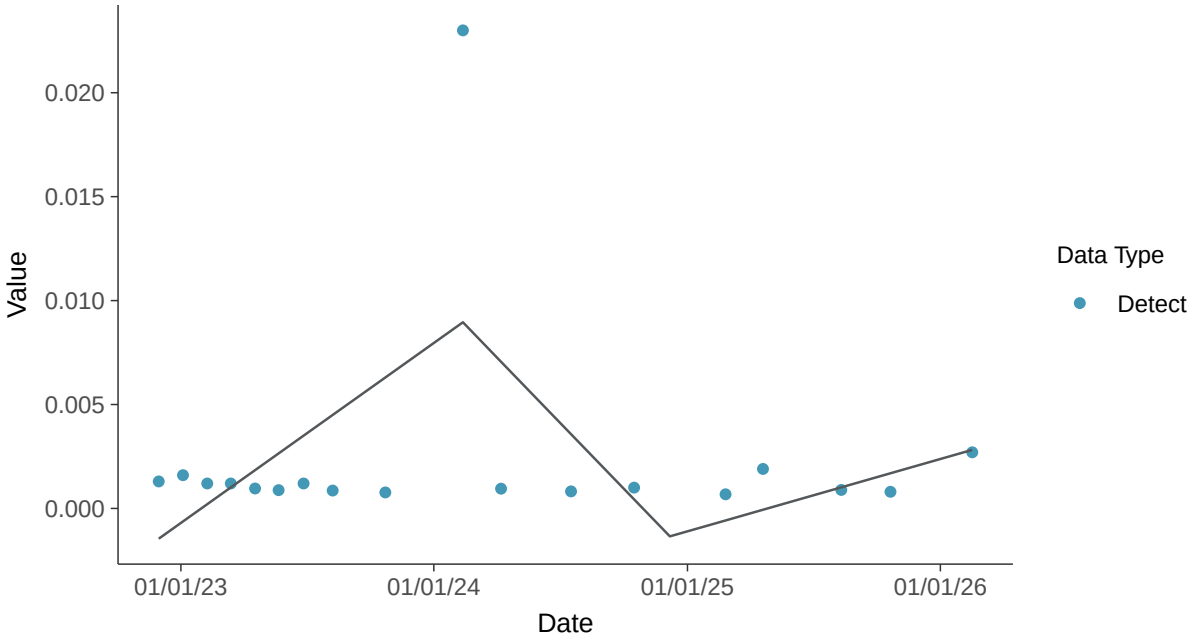
Trend Regression: Piecewise Linear-Linear

Nickel, MW-32 (mg/L)



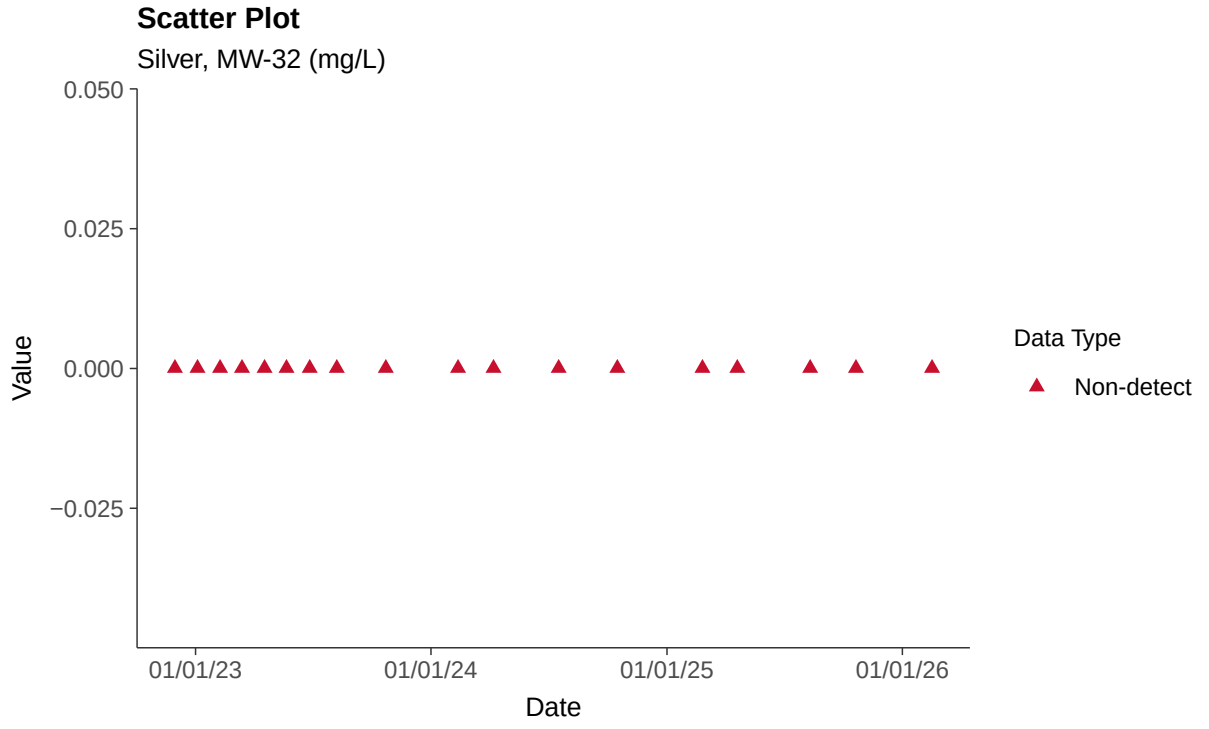
Trend Regression: Piecewise Linear-Linear-Linear

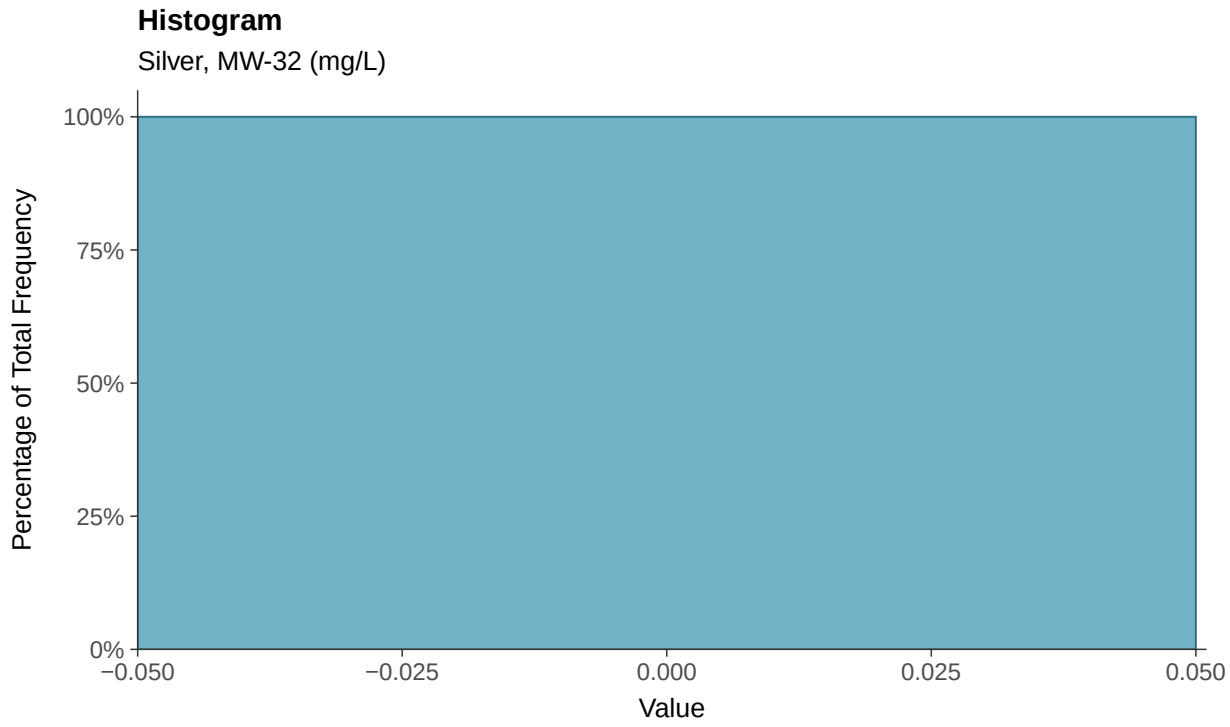
Nickel, MW-32 (mg/L)



Part 115: Silver, MW-32

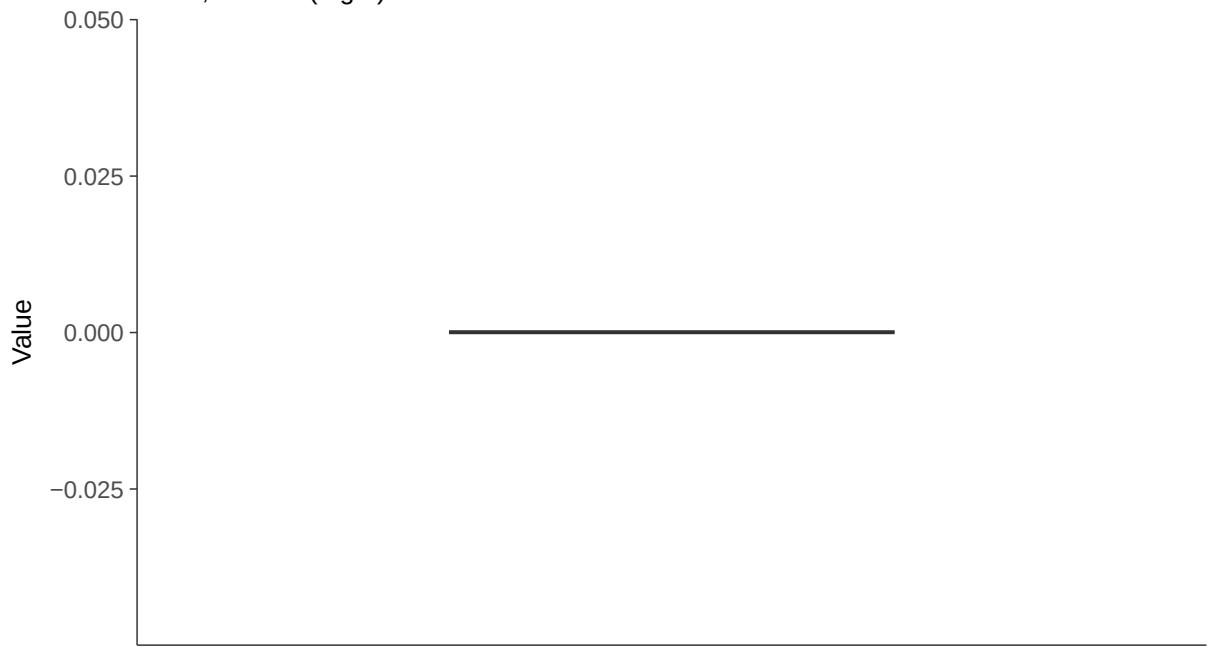
ID: 42_1_5_123





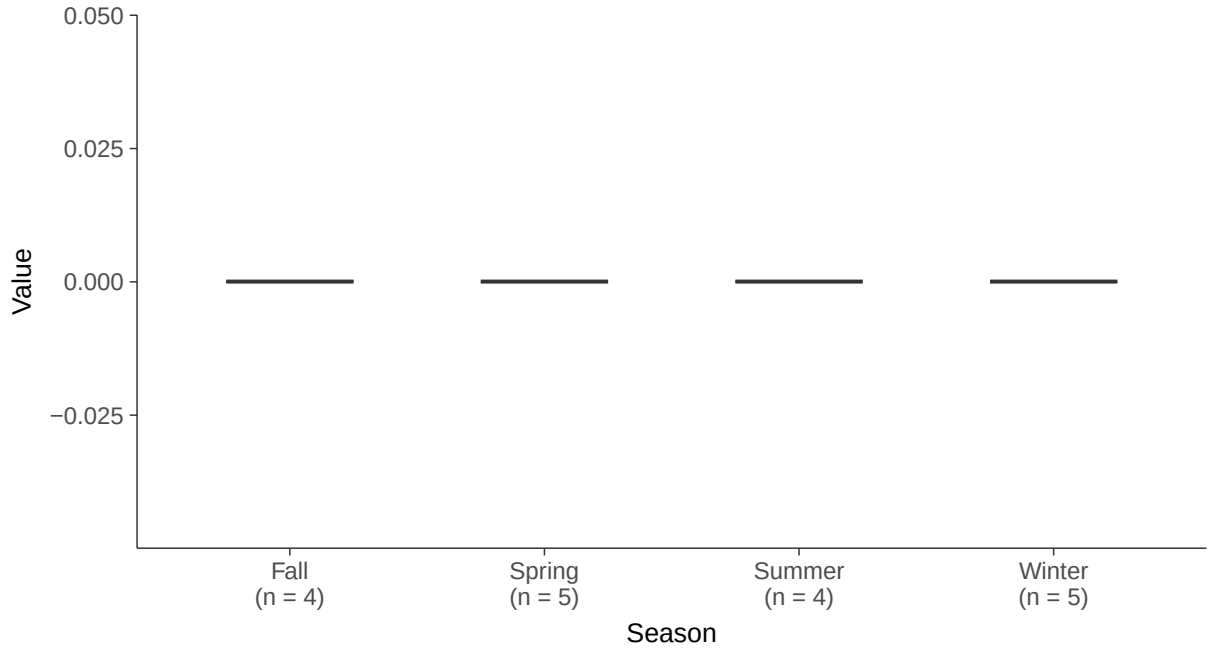
Boxplot

Silver, MW-32 (mg/L)



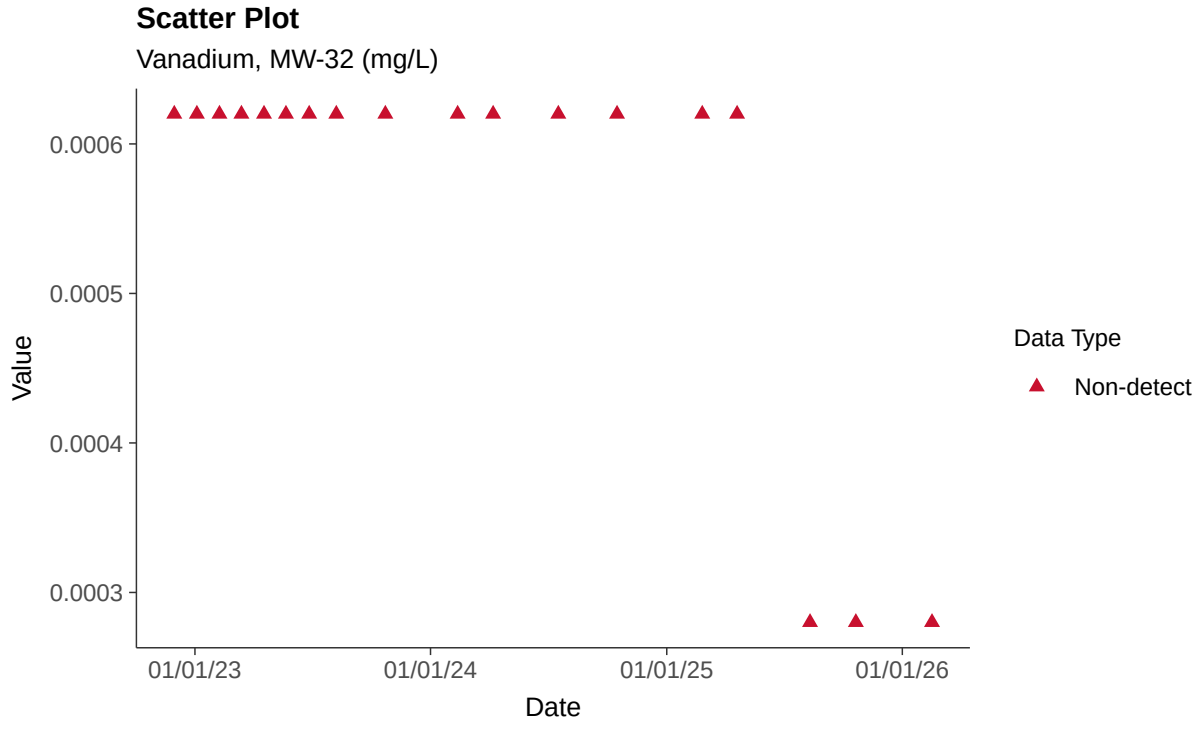
Boxplot by Season

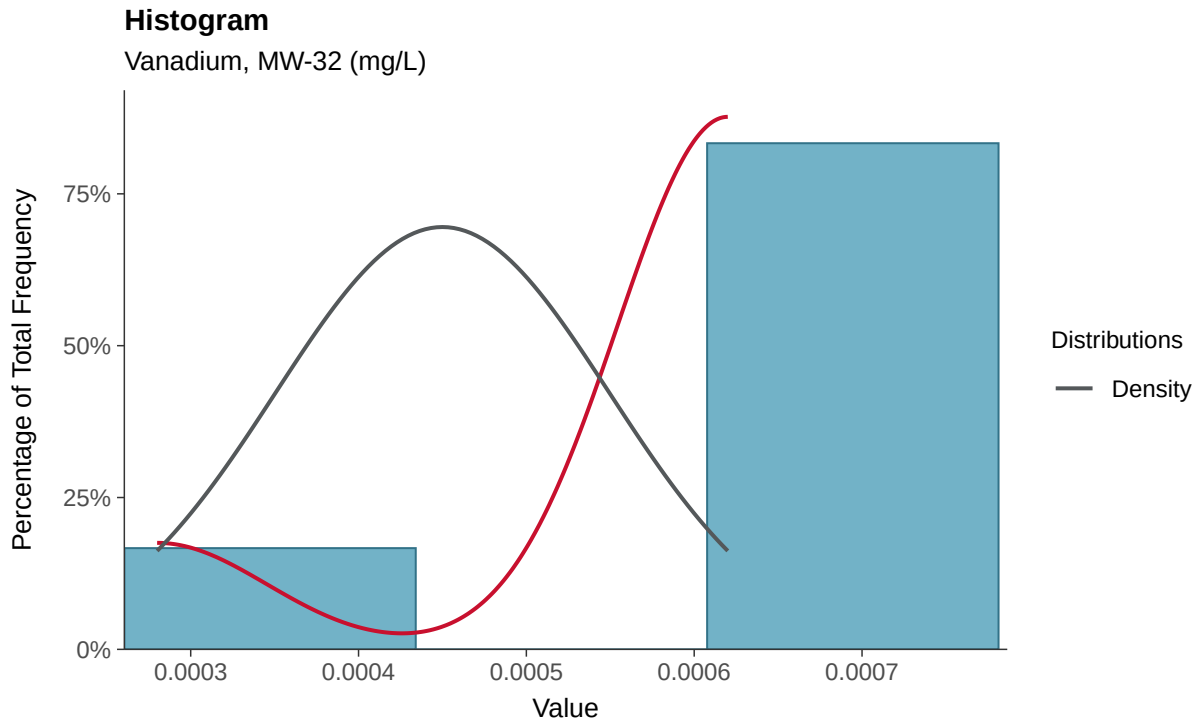
Silver, MW-32 (mg/L)



Part 115: Vanadium, MW-32

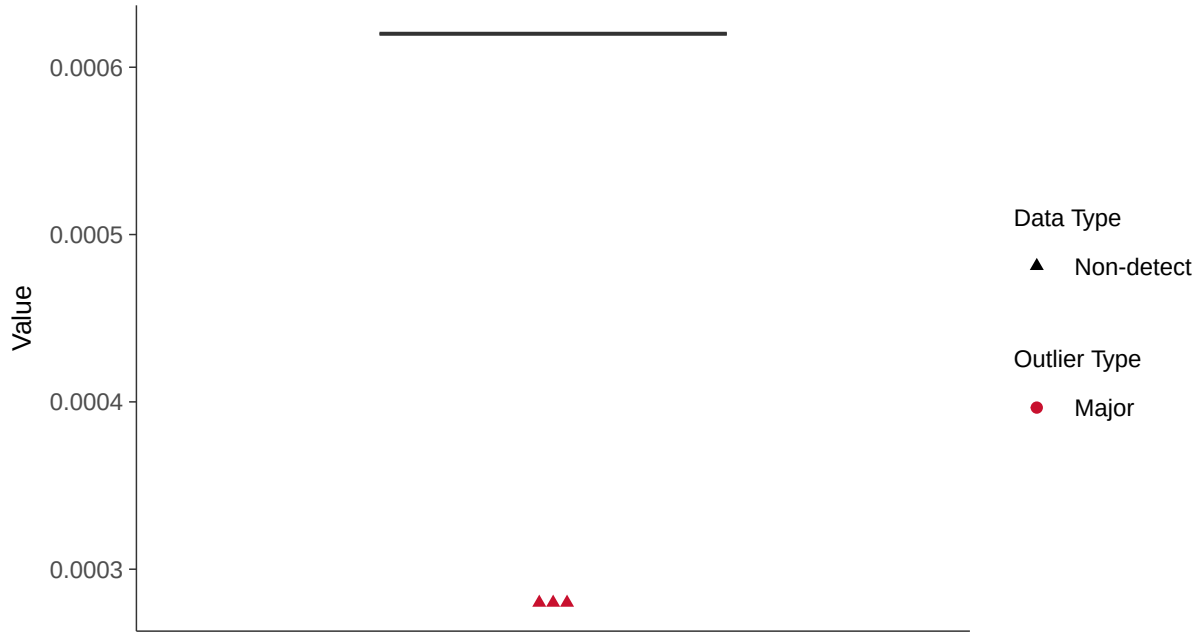
ID: 42_1_5_128





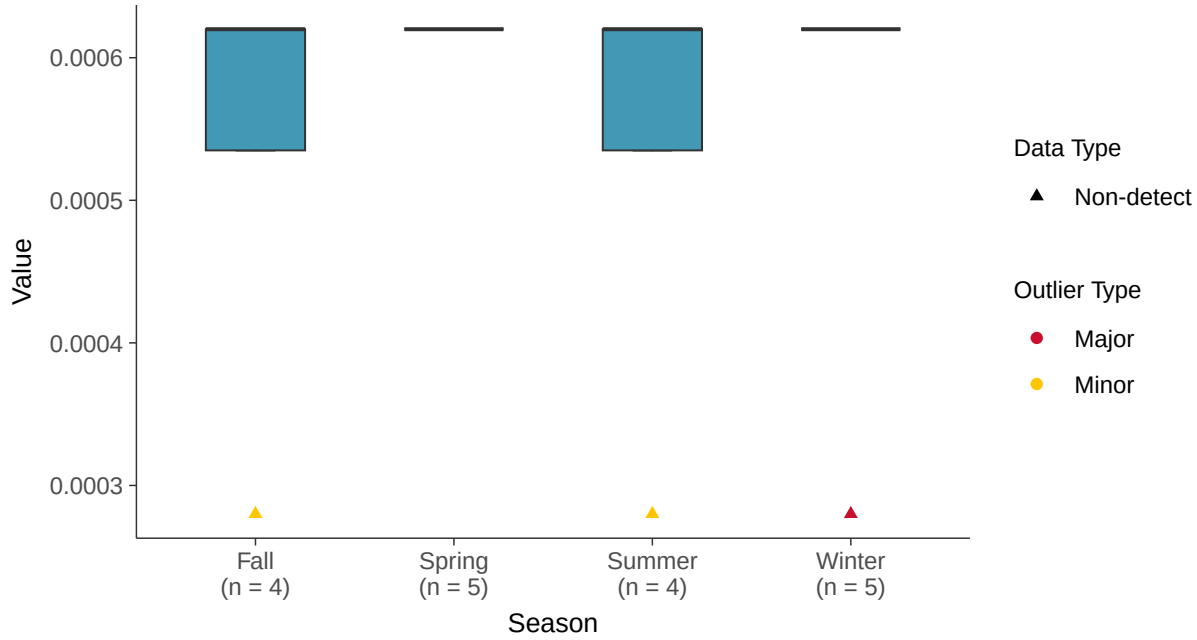
Boxplot

Vanadium, MW-32 (mg/L)



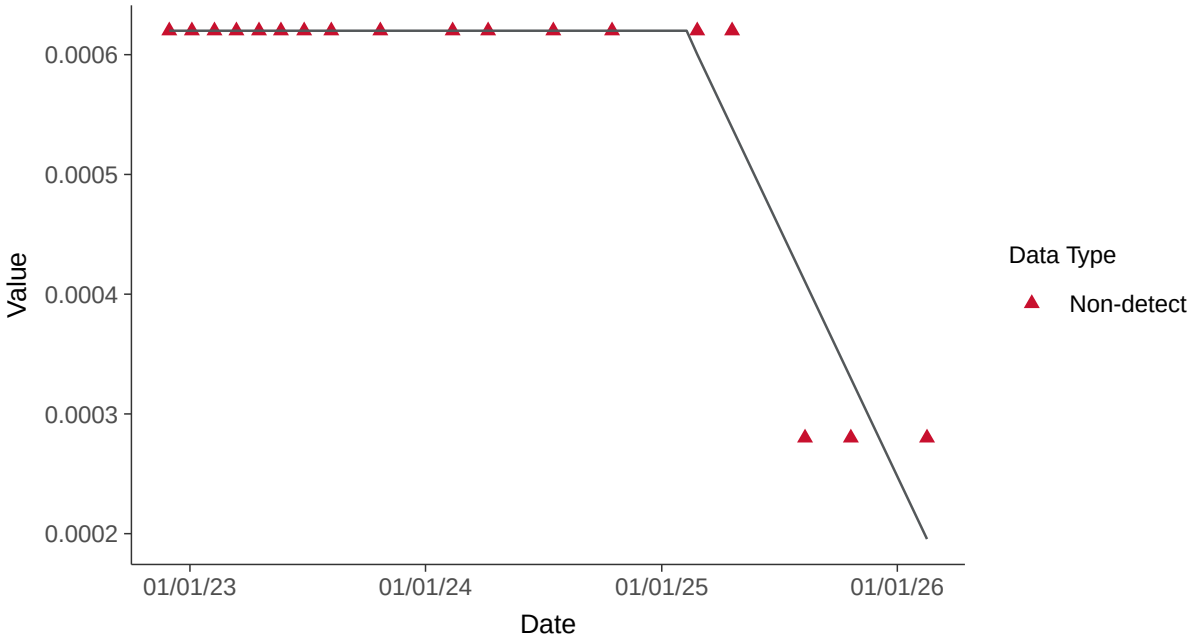
Boxplot by Season

Vanadium, MW-32 (mg/L)



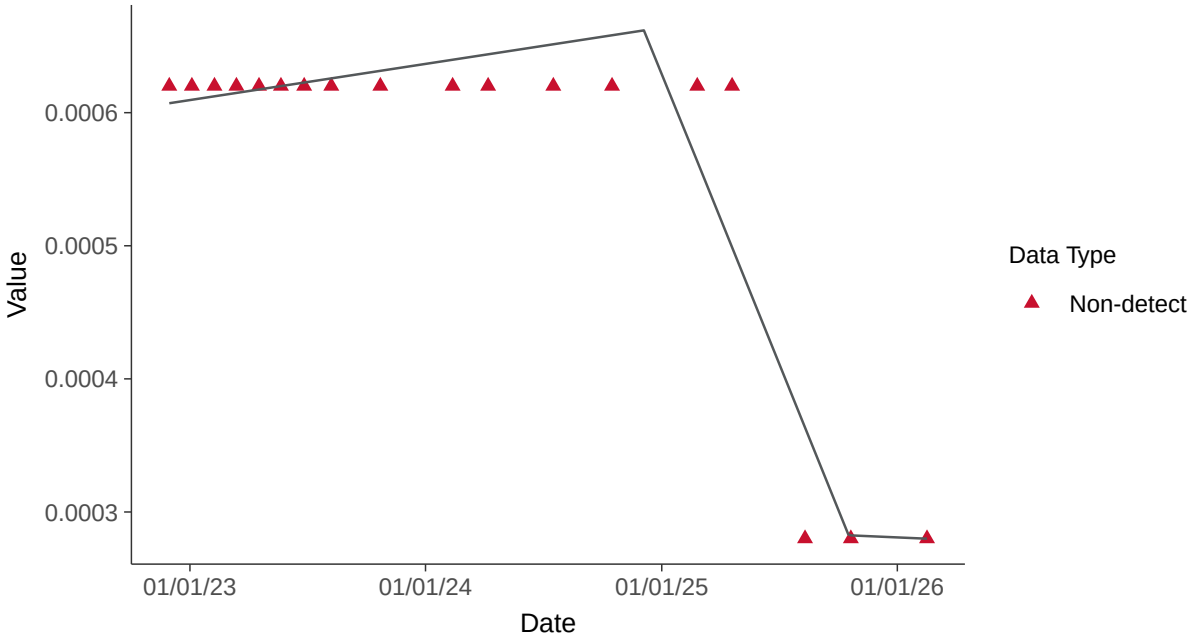
Trend Regression: Piecewise Linear-Linear

Vanadium, MW-32 (mg/L)



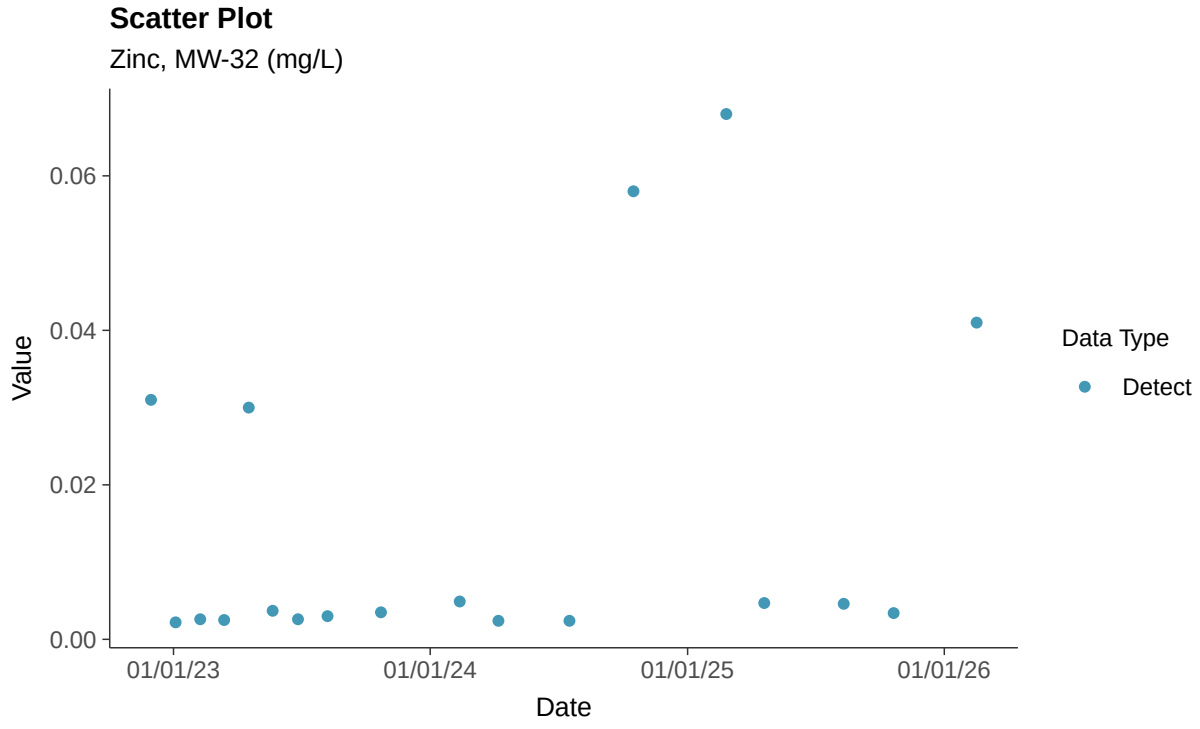
Trend Regression: Piecewise Linear-Linear-Linear

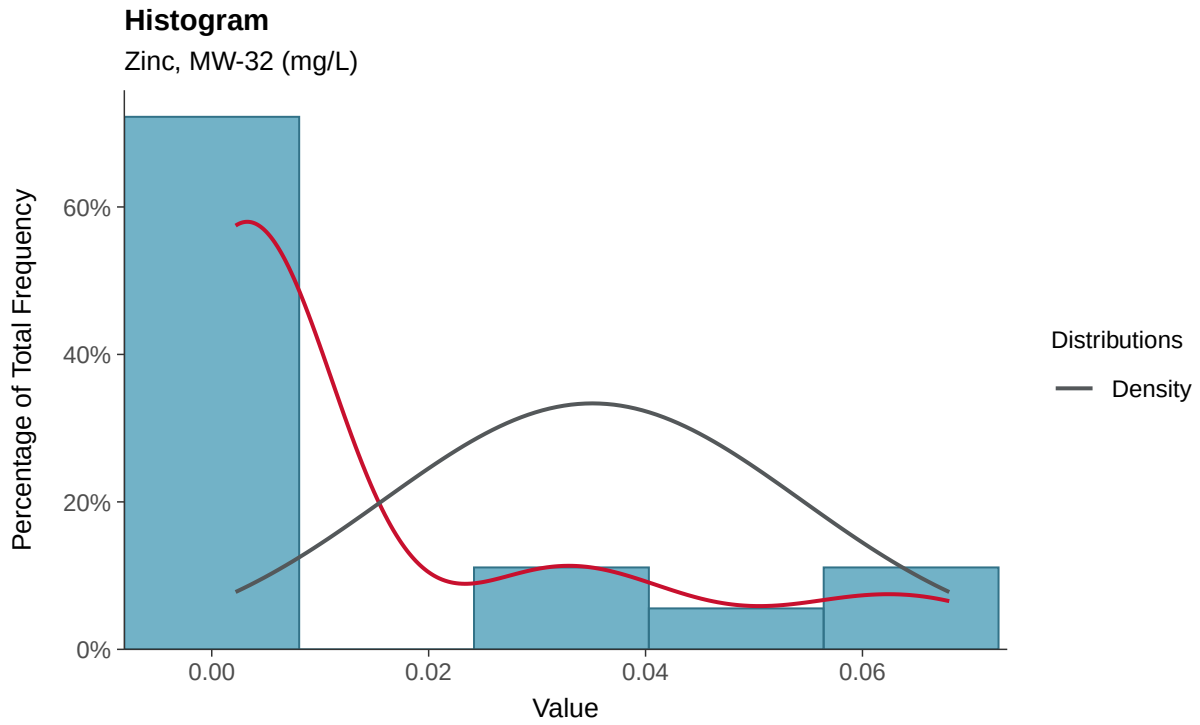
Vanadium, MW-32 (mg/L)



Part 115: Zinc, MW-32

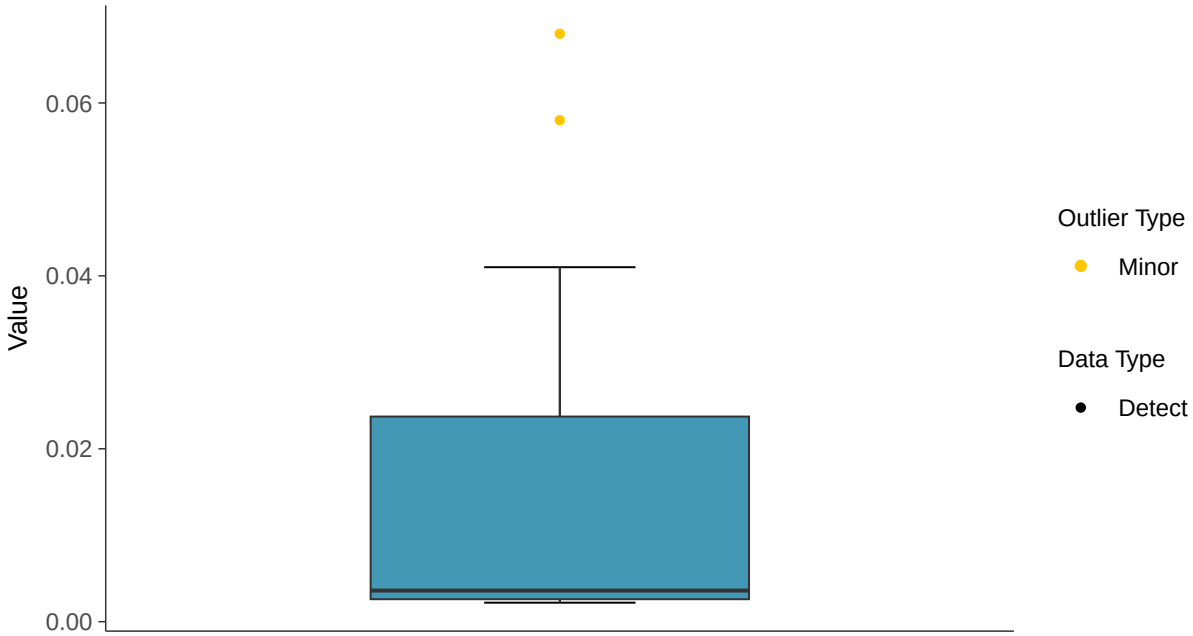
ID: 42_1_5_129





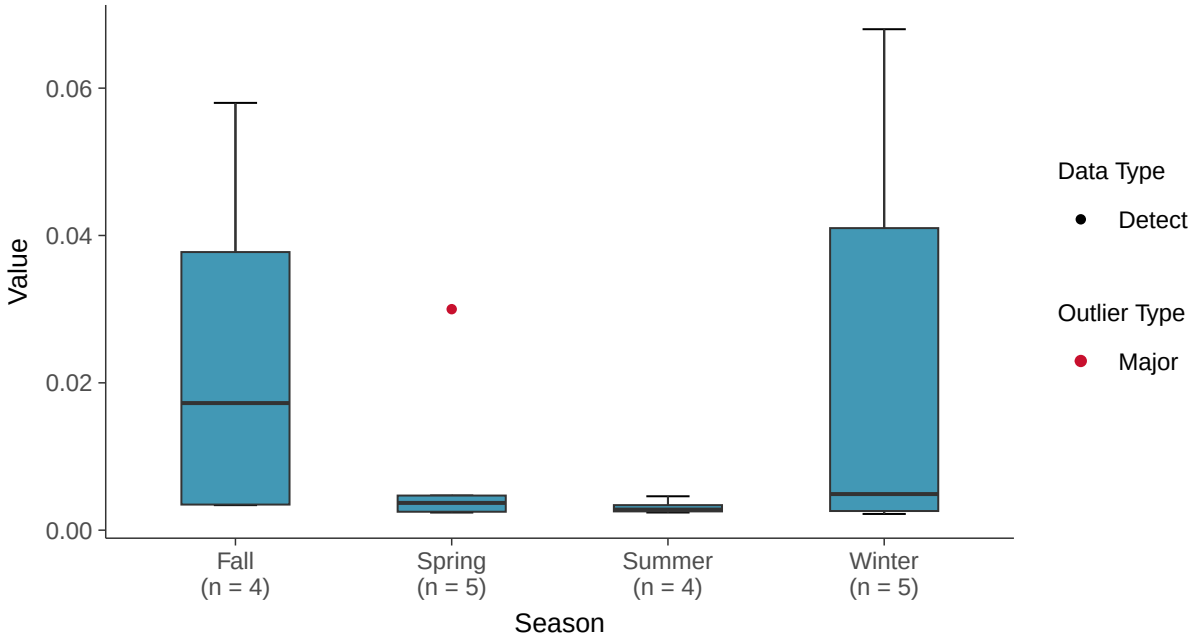
Boxplot

Zinc, MW-32 (mg/L)



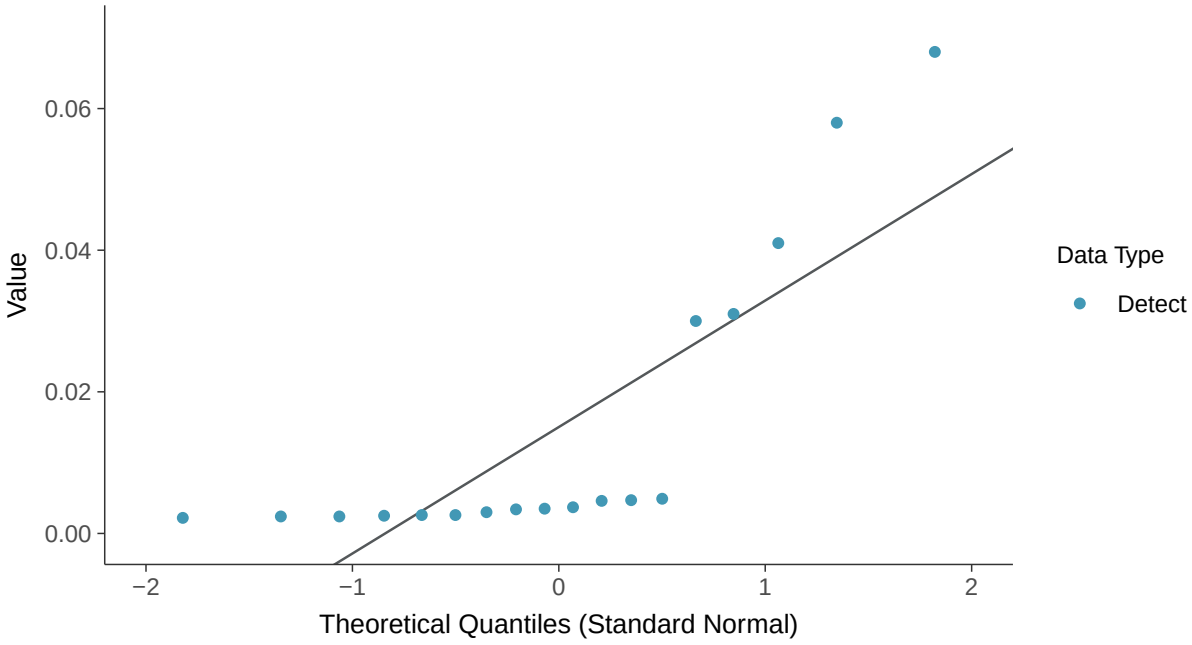
Boxplot by Season

Zinc, MW-32 (mg/L)



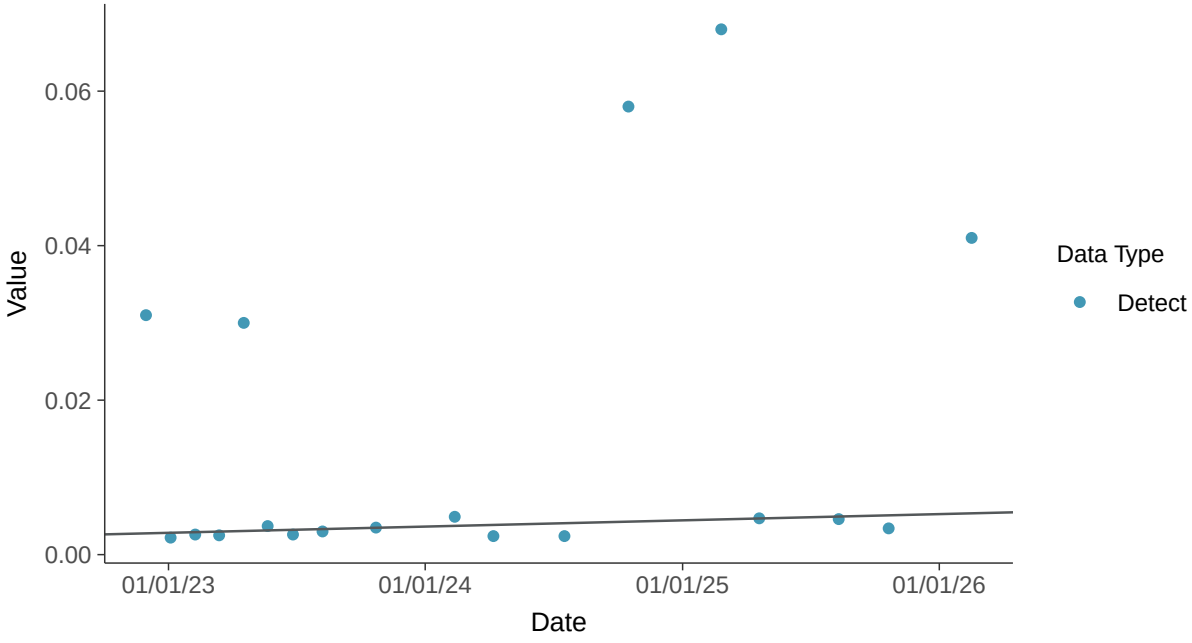
Normal Q-Q plot

Zinc, MW-32 (mg/L)



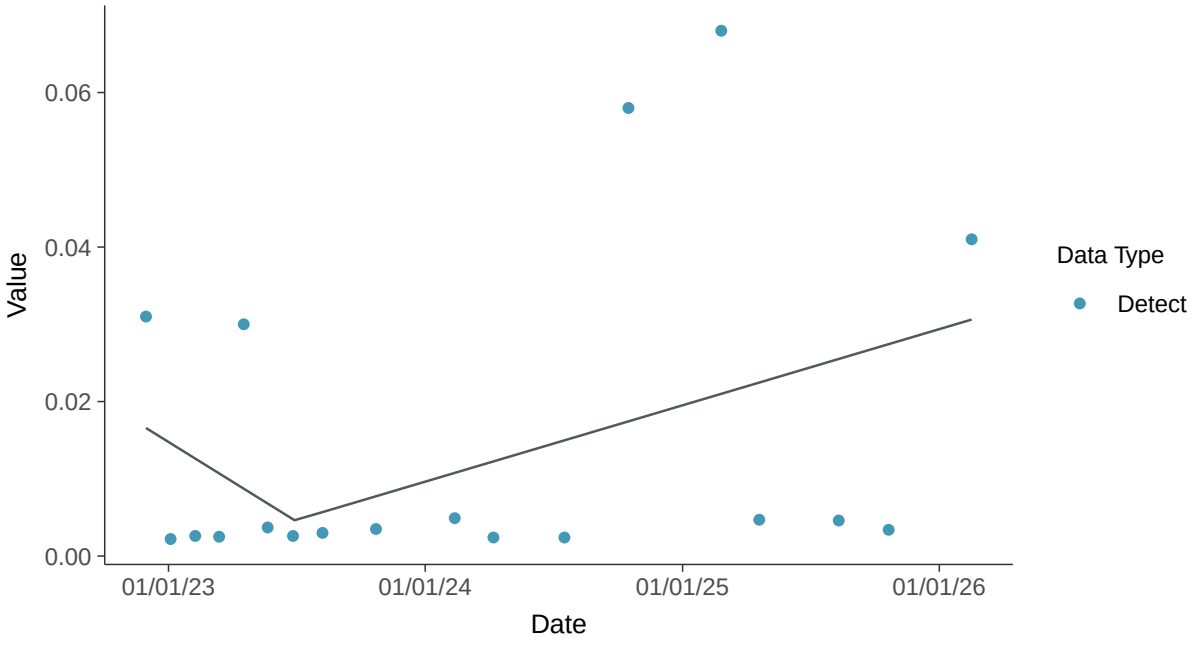
Trend Regression: Mann-Kendall/Theil-Sen Estimate

Zinc, MW-32 (mg/L)



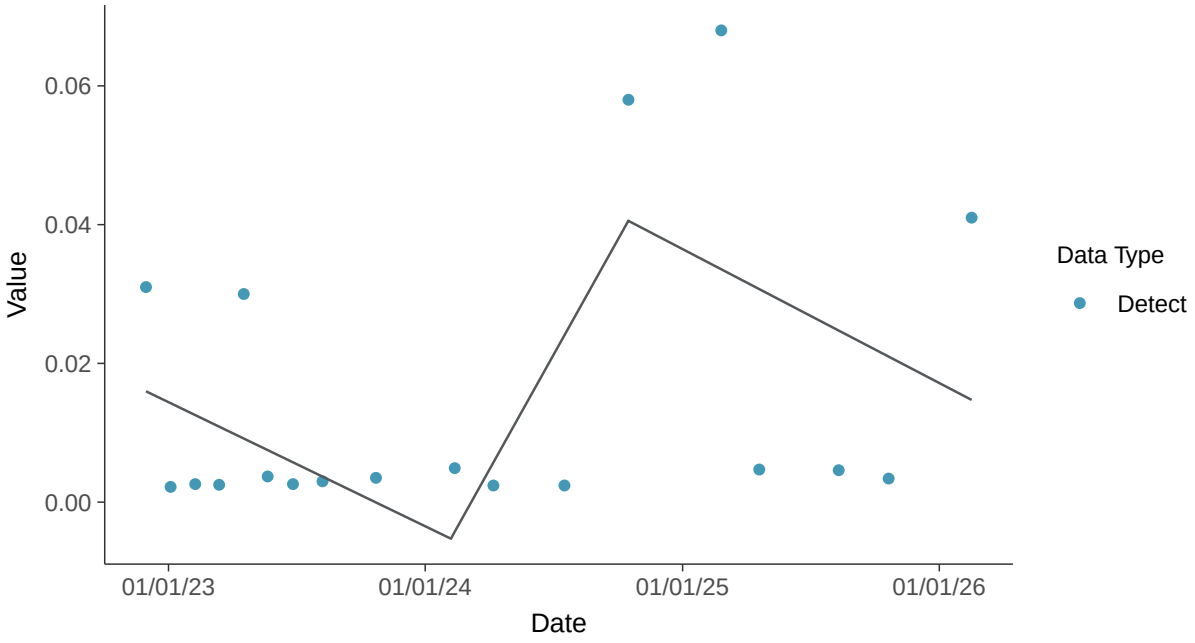
Trend Regression: Piecewise Linear-Linear

Zinc, MW-32 (mg/L)



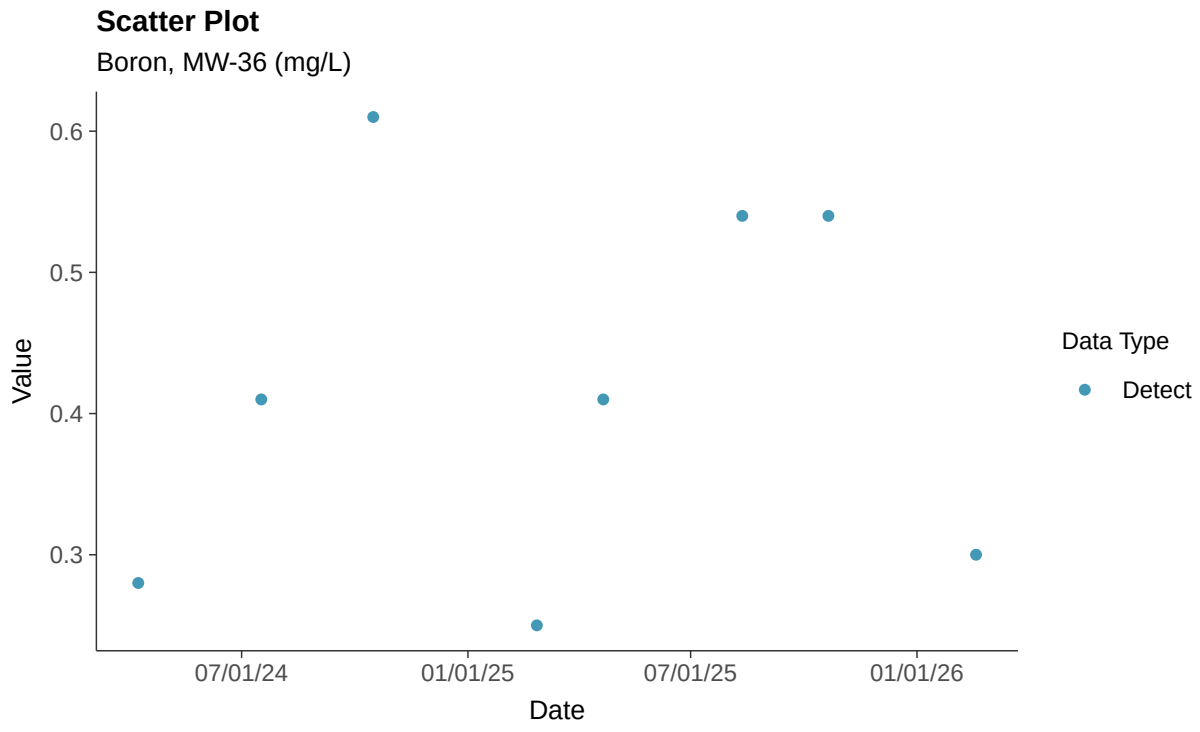
Trend Regression: Piecewise Linear-Linear-Linear

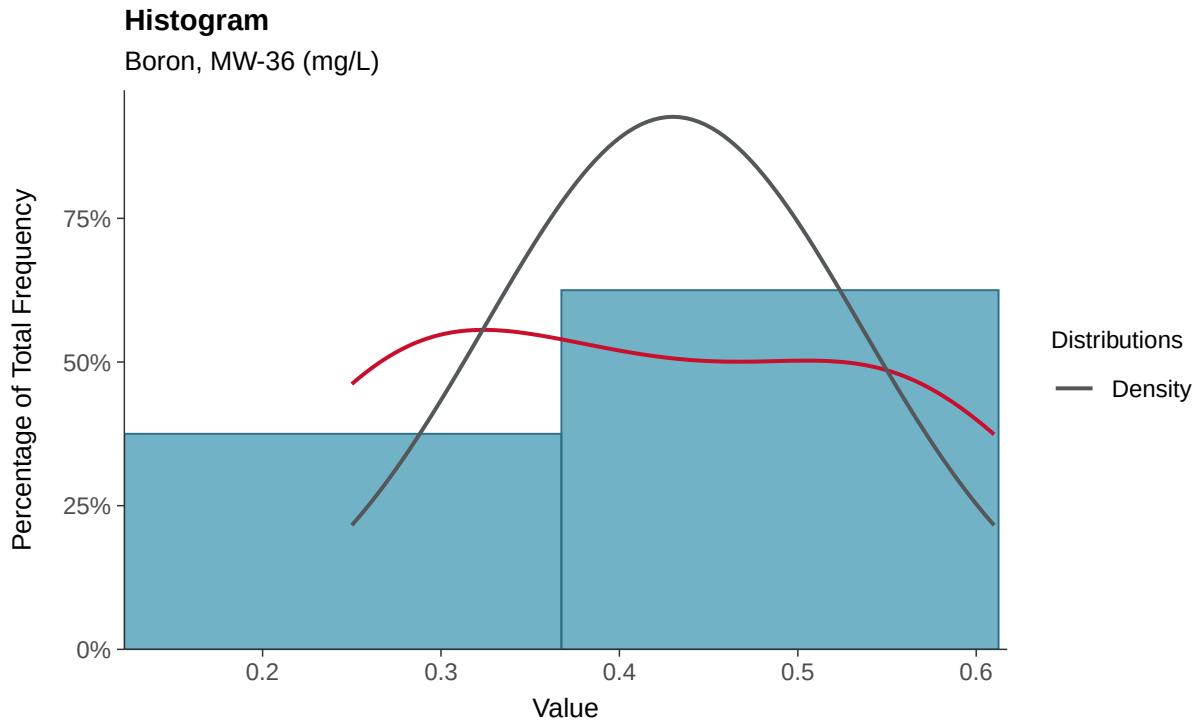
Zinc, MW-32 (mg/L)



Appendix III: Boron, MW-36

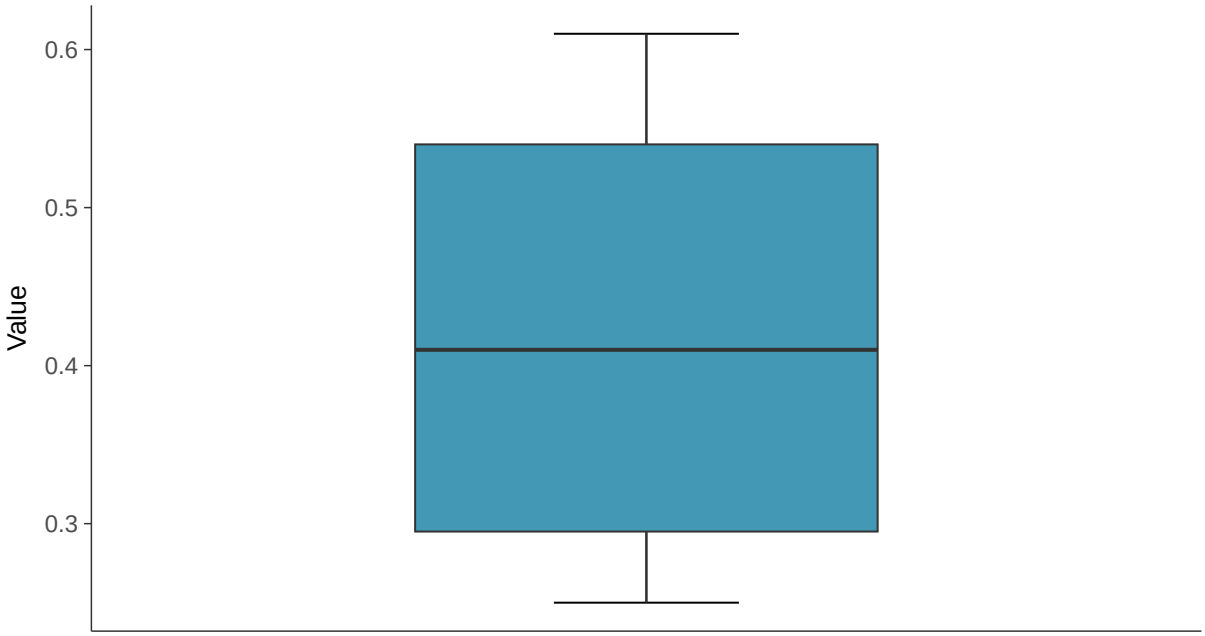
ID: 46_1_3_105





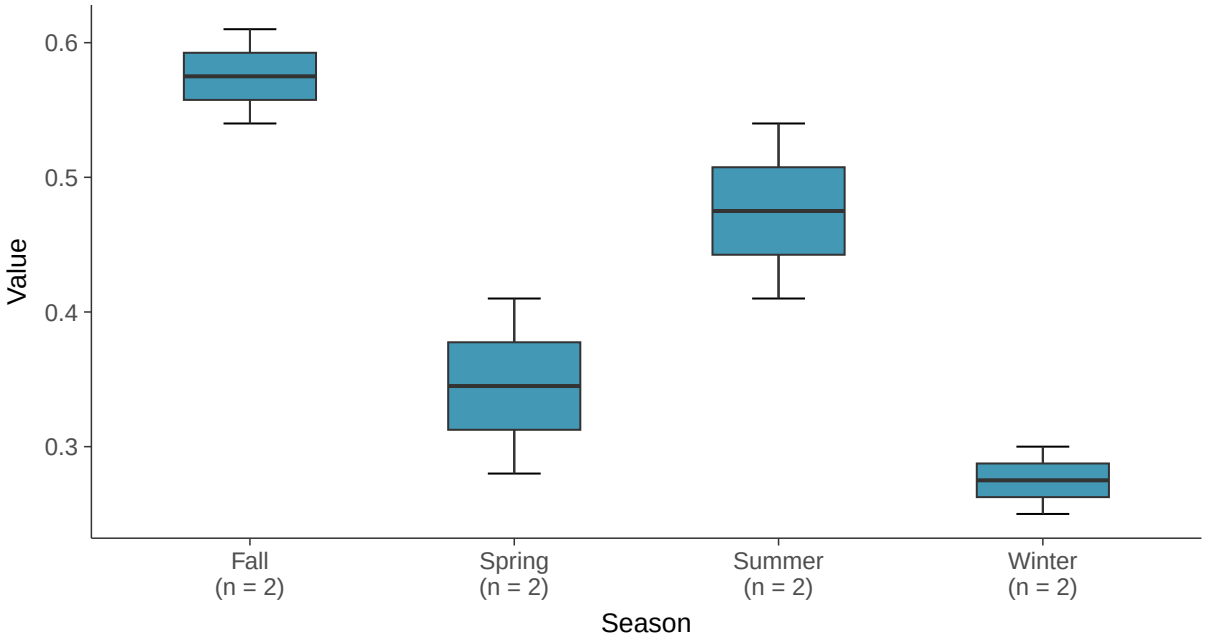
Boxplot

Boron, MW-36 (mg/L)



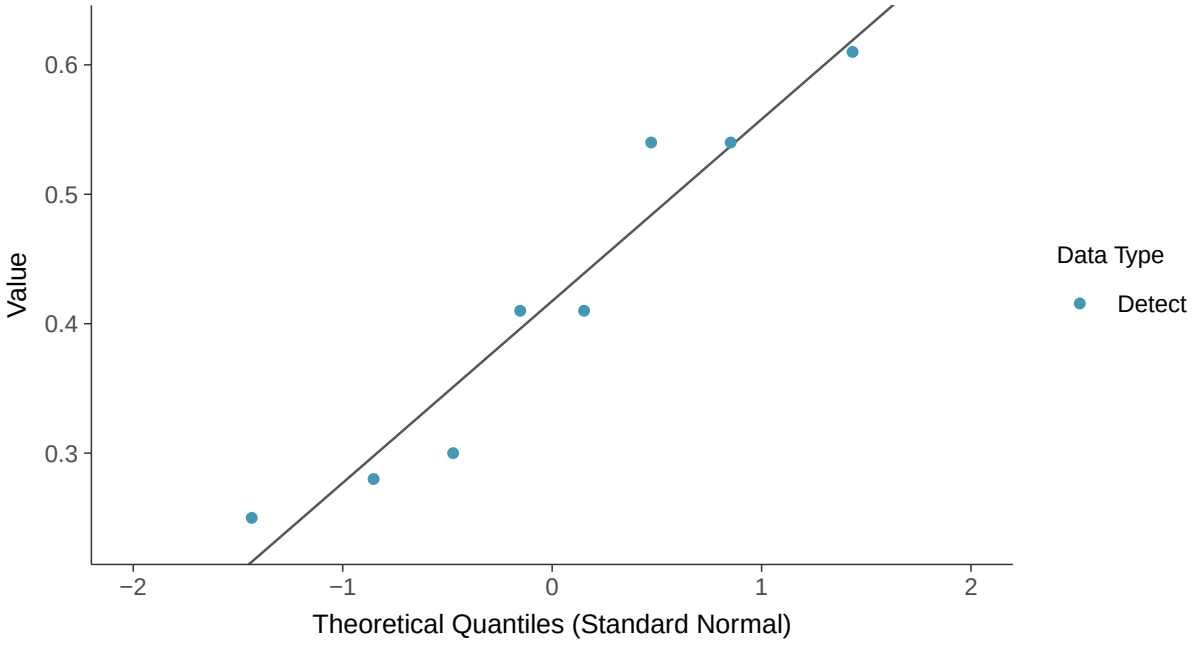
Boxplot by Season

Boron, MW-36 (mg/L)



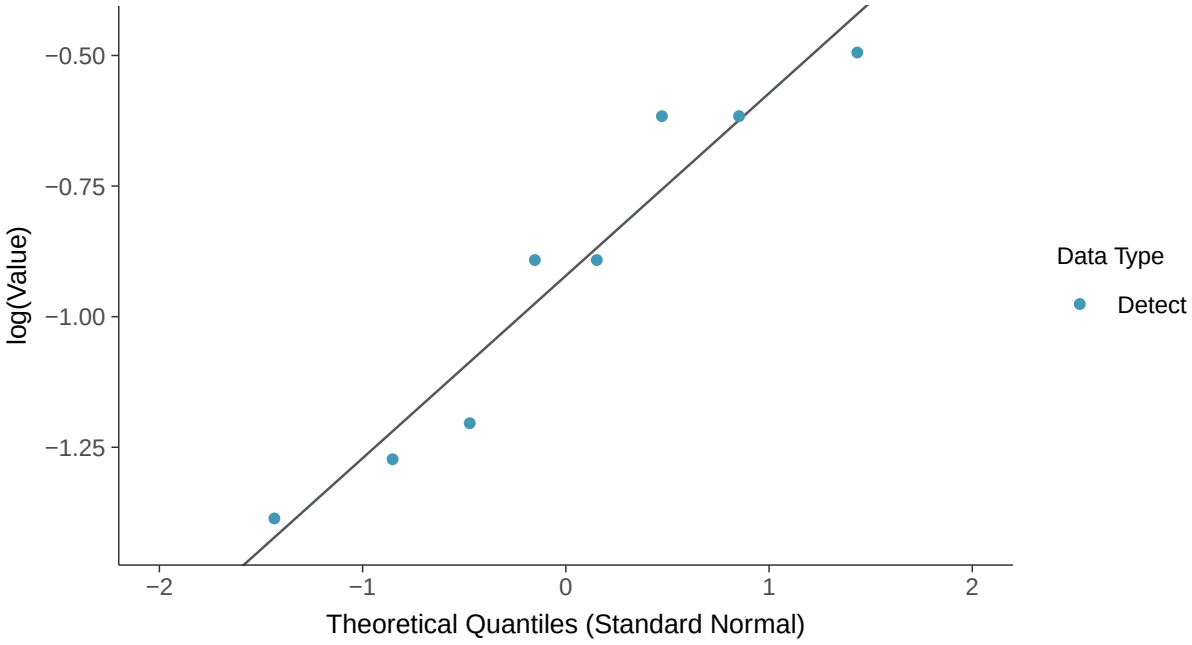
Normal Q-Q plot

Boron, MW-36 (mg/L)



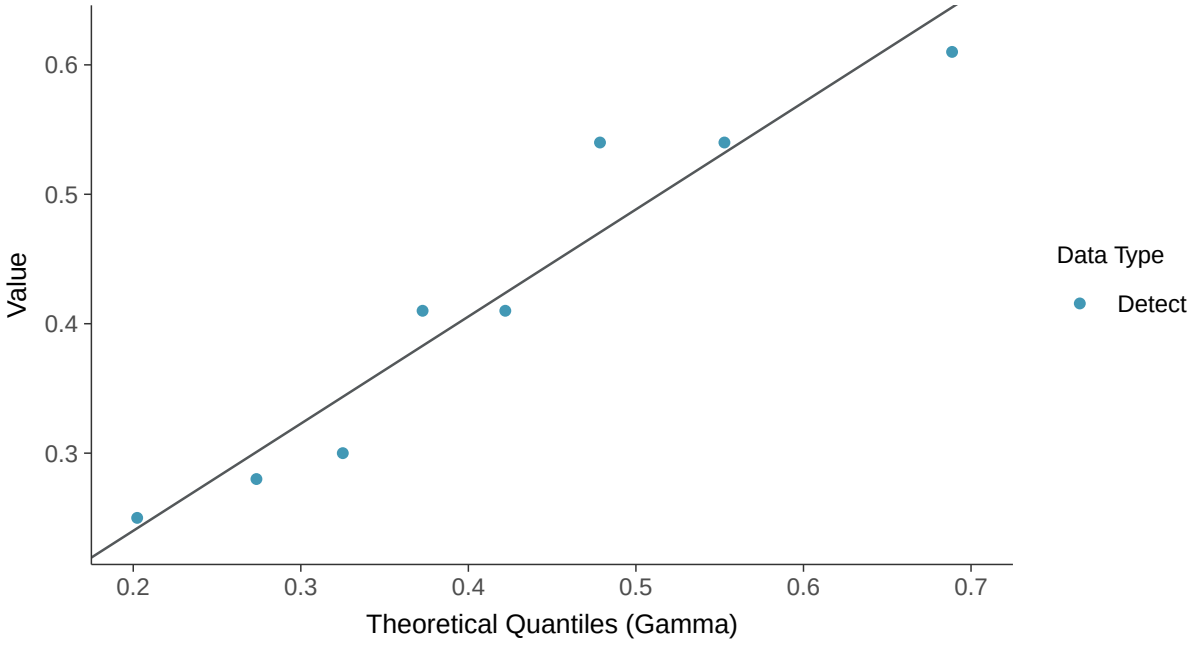
Lognormal Q-Q plot

Boron, MW-36 (mg/L)



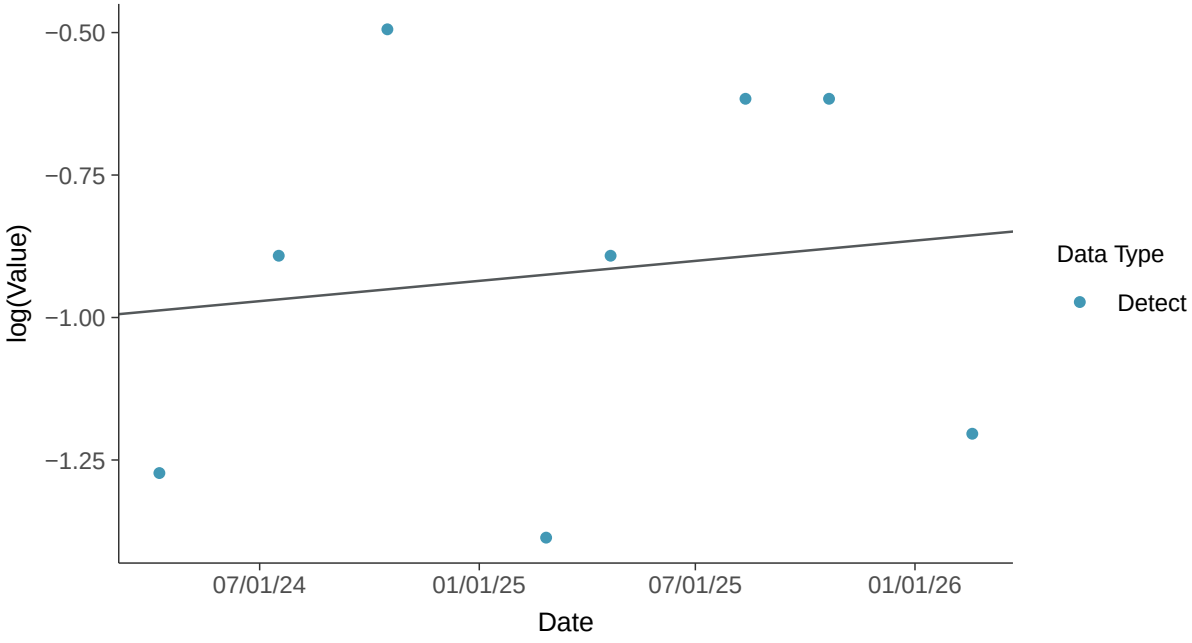
Gamma Q-Q plot

Boron, MW-36 (mg/L)



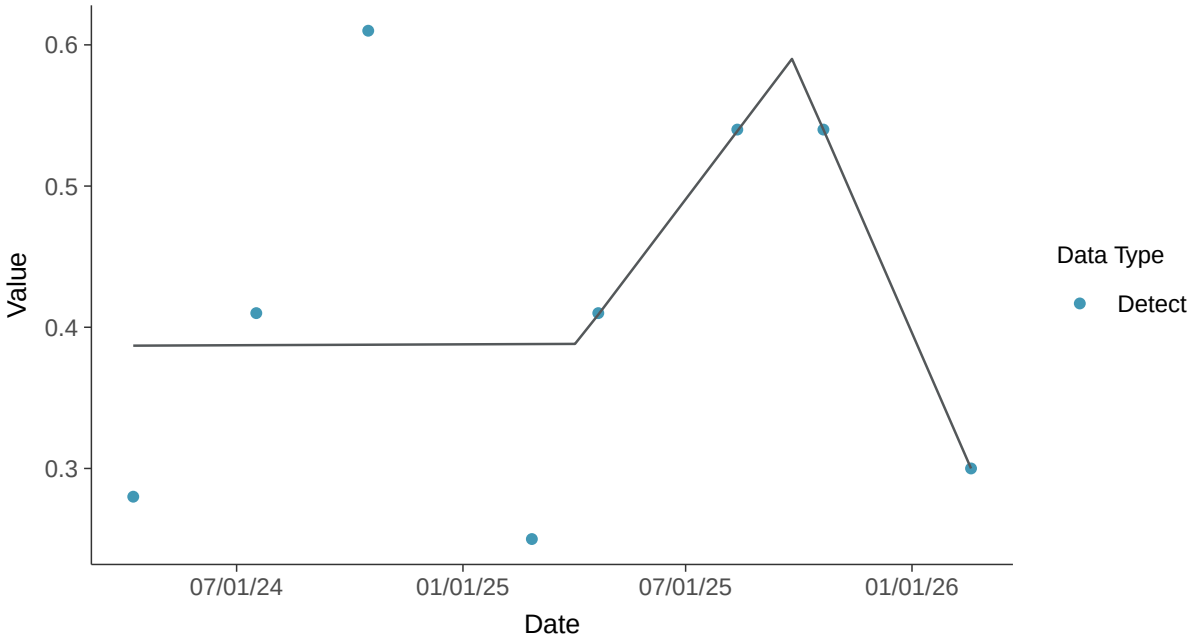
Trend Regression: Lognormal MLE

Boron, MW-36 (mg/L)



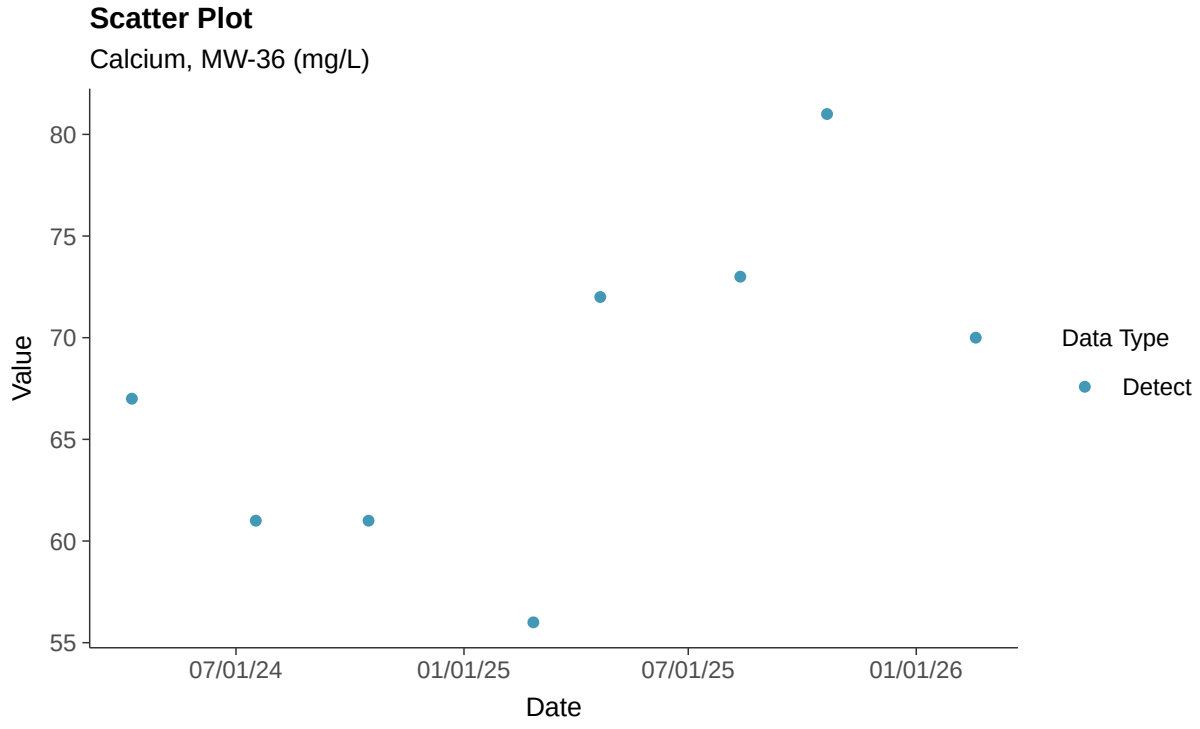
Trend Regression: Piecewise Linear-Linear-Linear

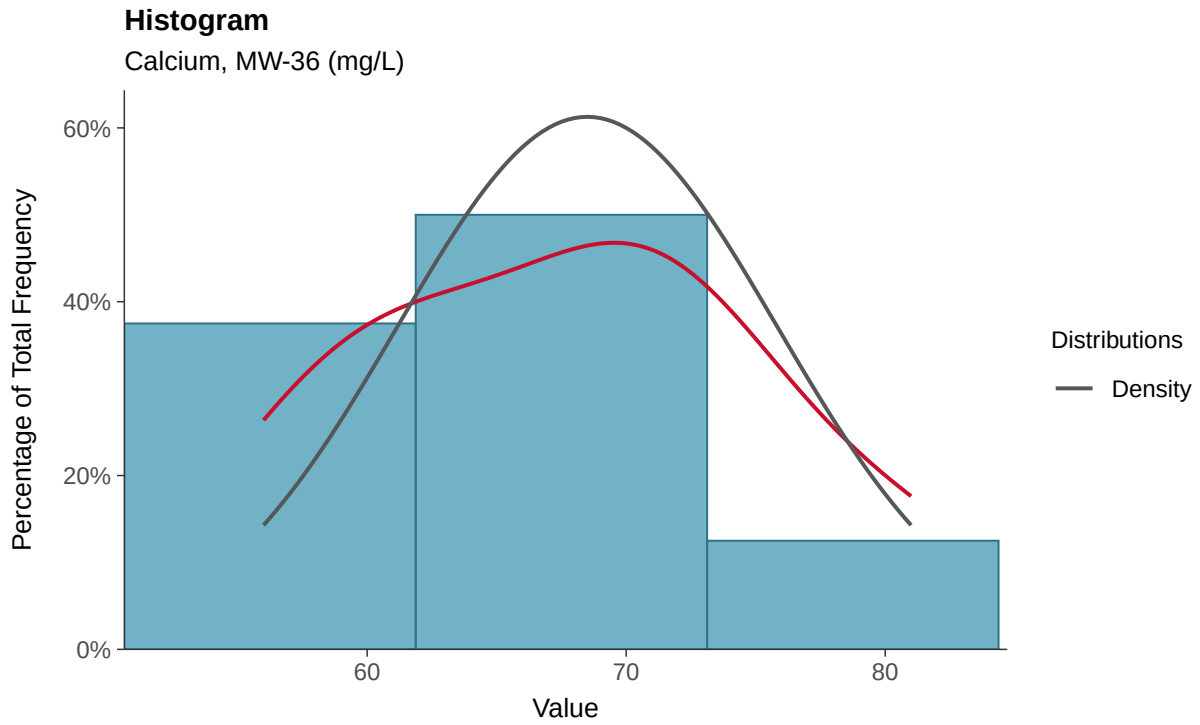
Boron, MW-36 (mg/L)



Appendix III: Calcium, MW-36

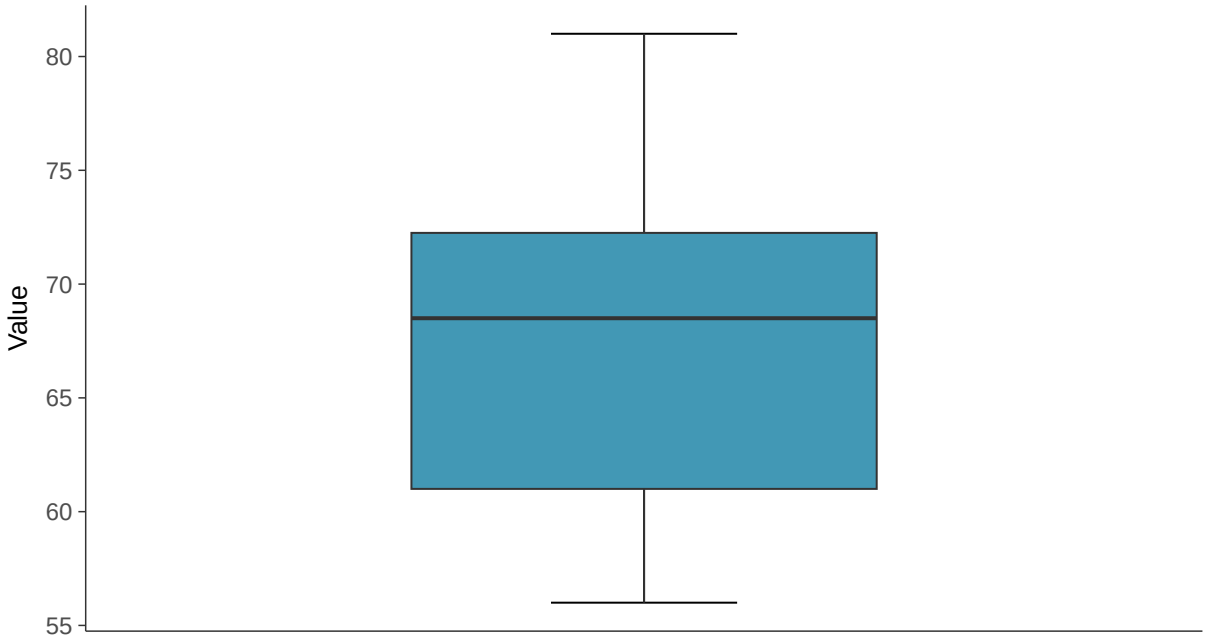
ID: 46_1_3_107





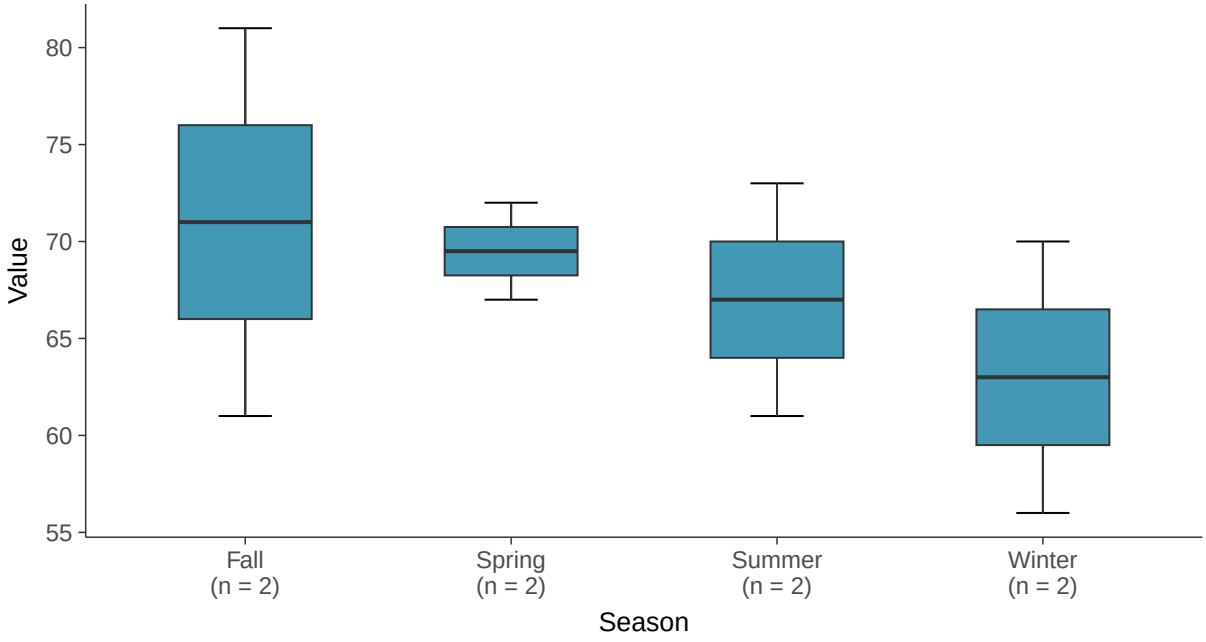
Boxplot

Calcium, MW-36 (mg/L)



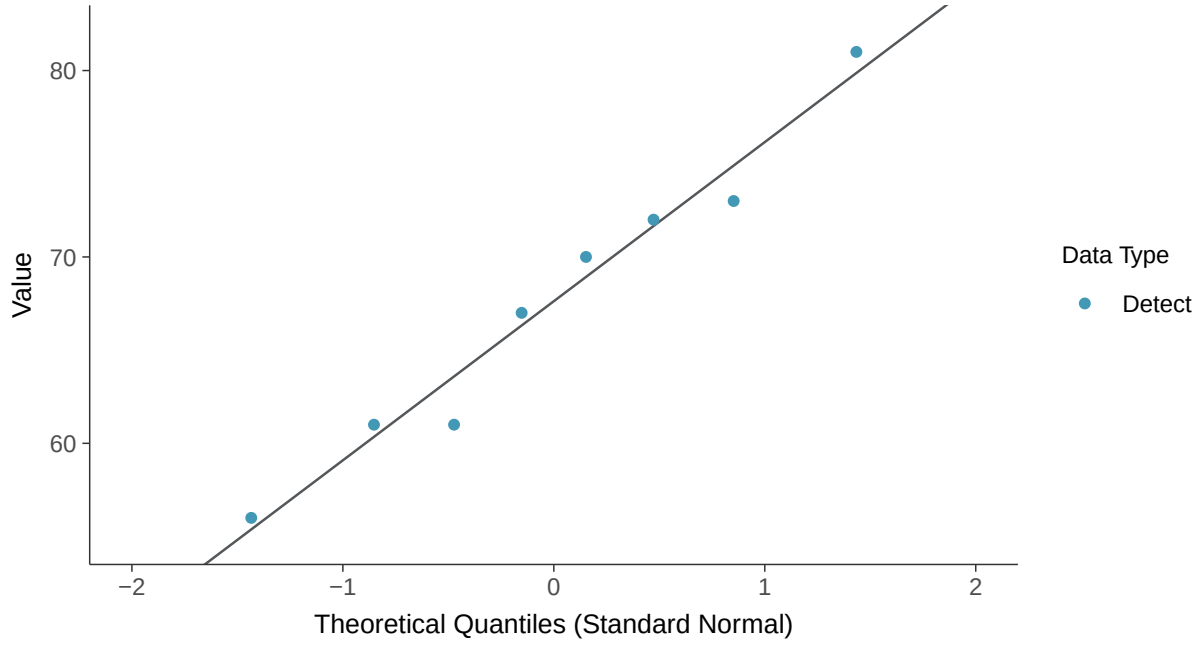
Boxplot by Season

Calcium, MW-36 (mg/L)



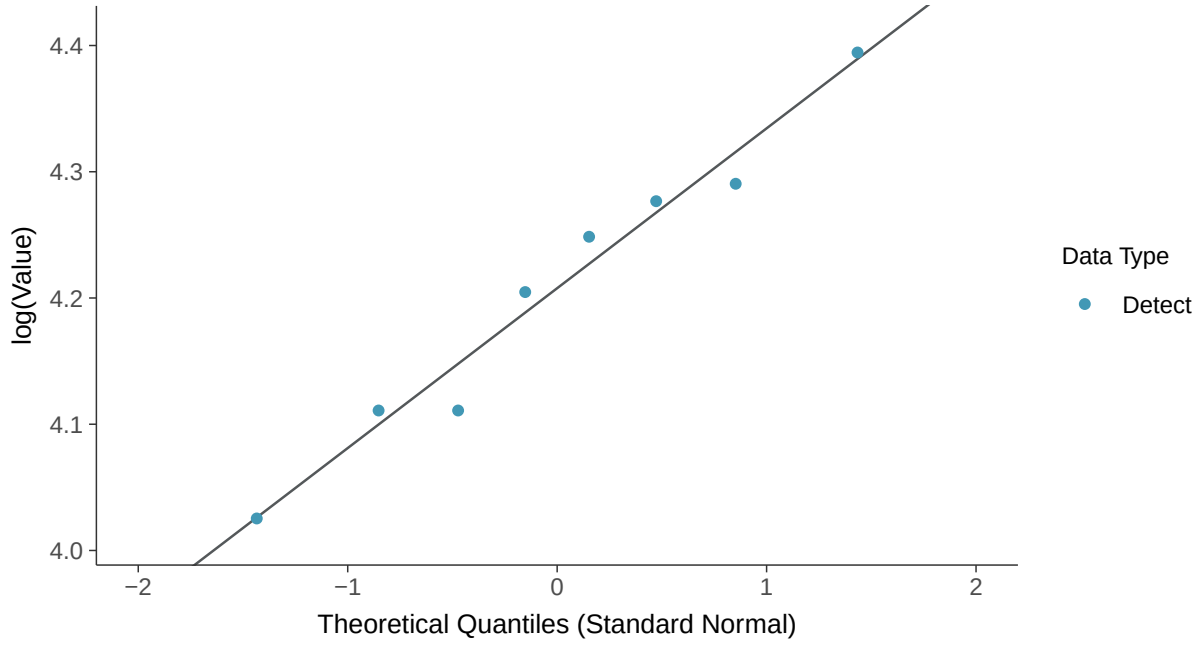
Normal Q-Q plot

Calcium, MW-36 (mg/L)



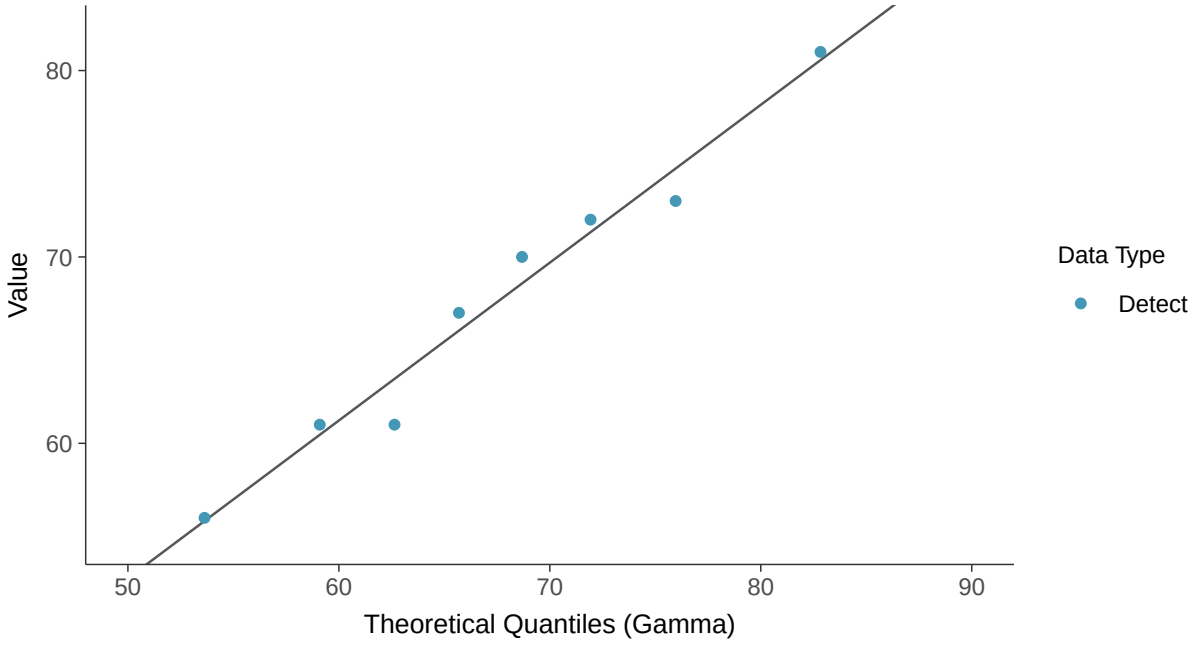
Lognormal Q-Q plot

Calcium, MW-36 (mg/L)



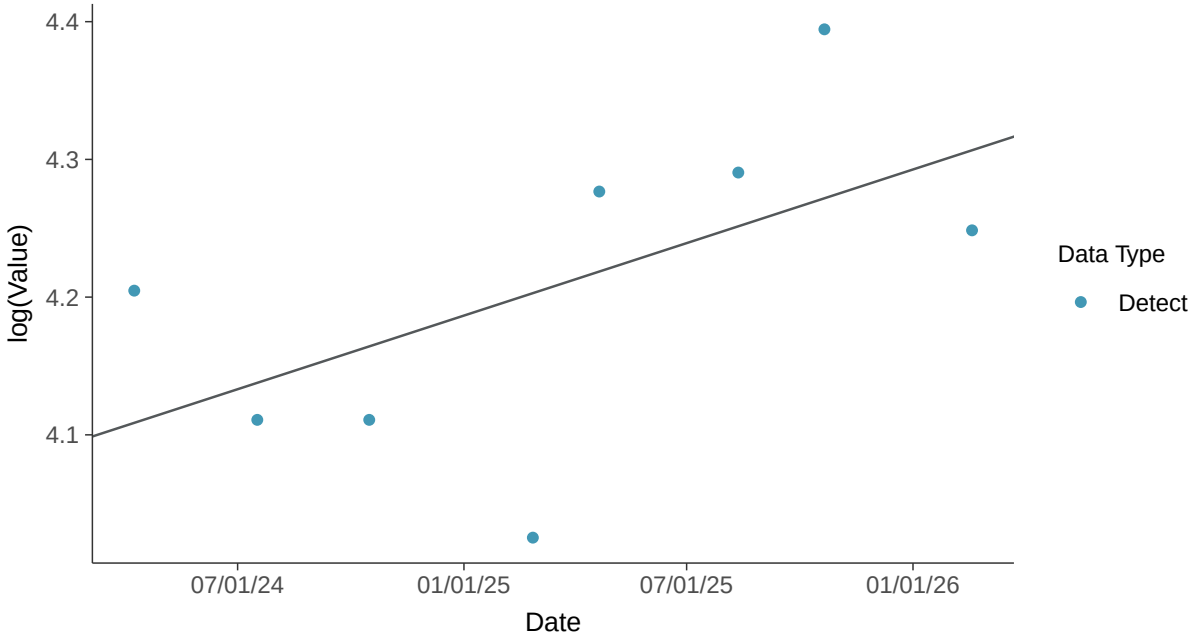
Gamma Q-Q plot

Calcium, MW-36 (mg/L)



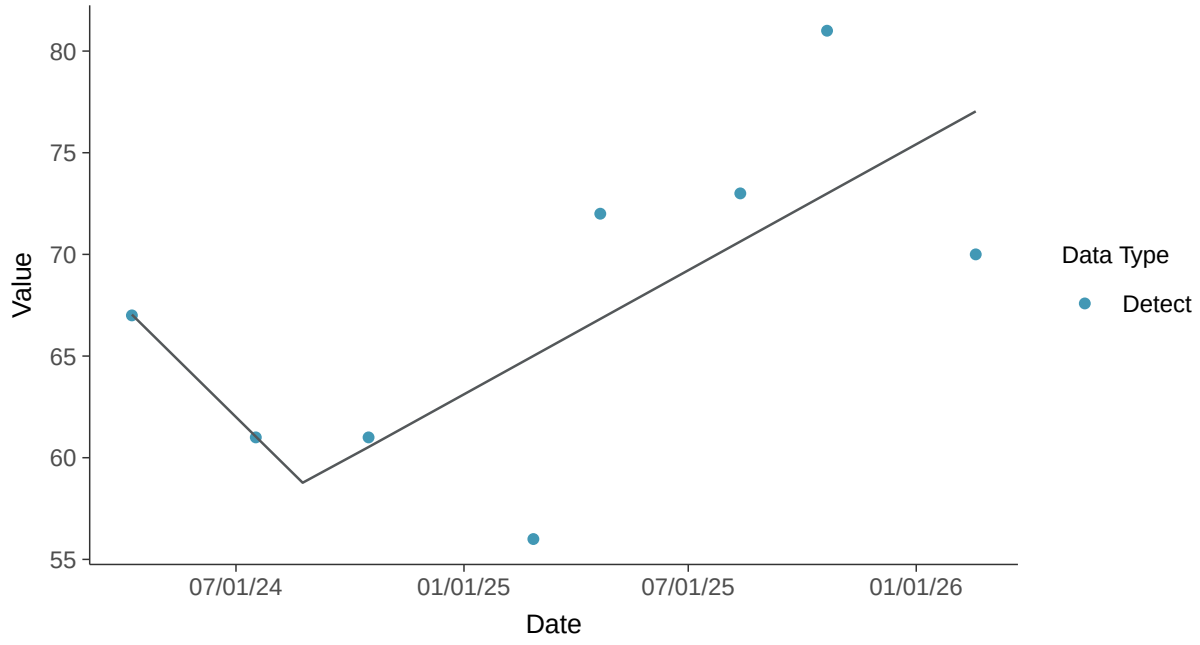
Trend Regression: Lognormal MLE

Calcium, MW-36 (mg/L)



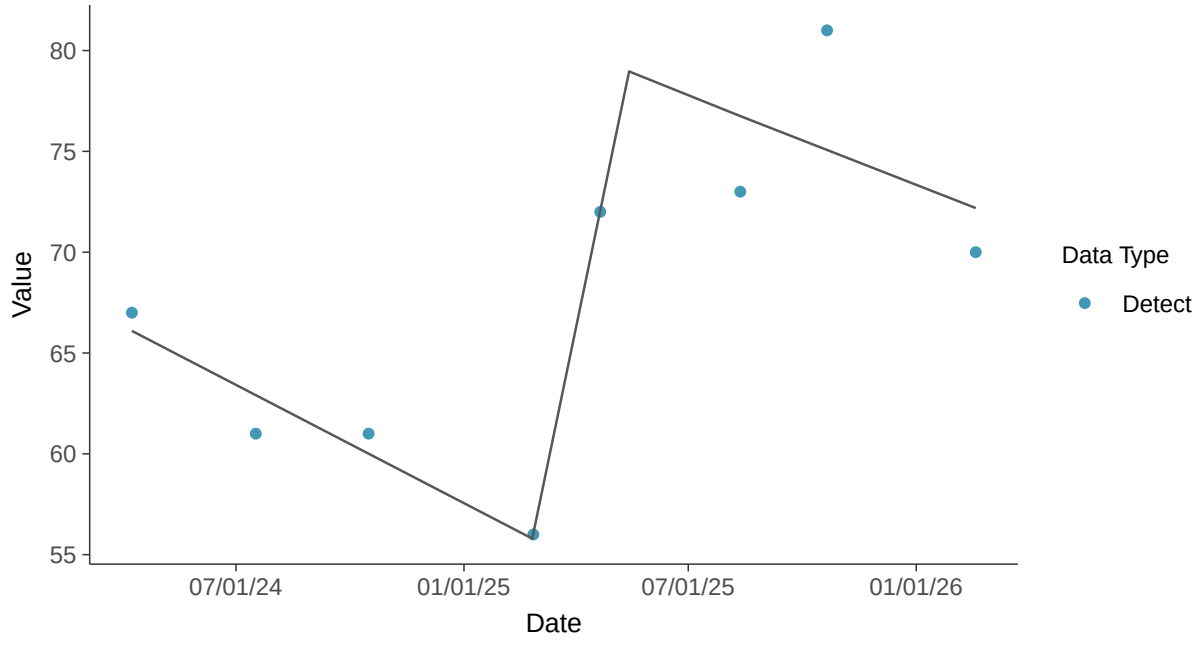
Trend Regression: Piecewise Linear-Linear

Calcium, MW-36 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Calcium, MW-36 (mg/L)

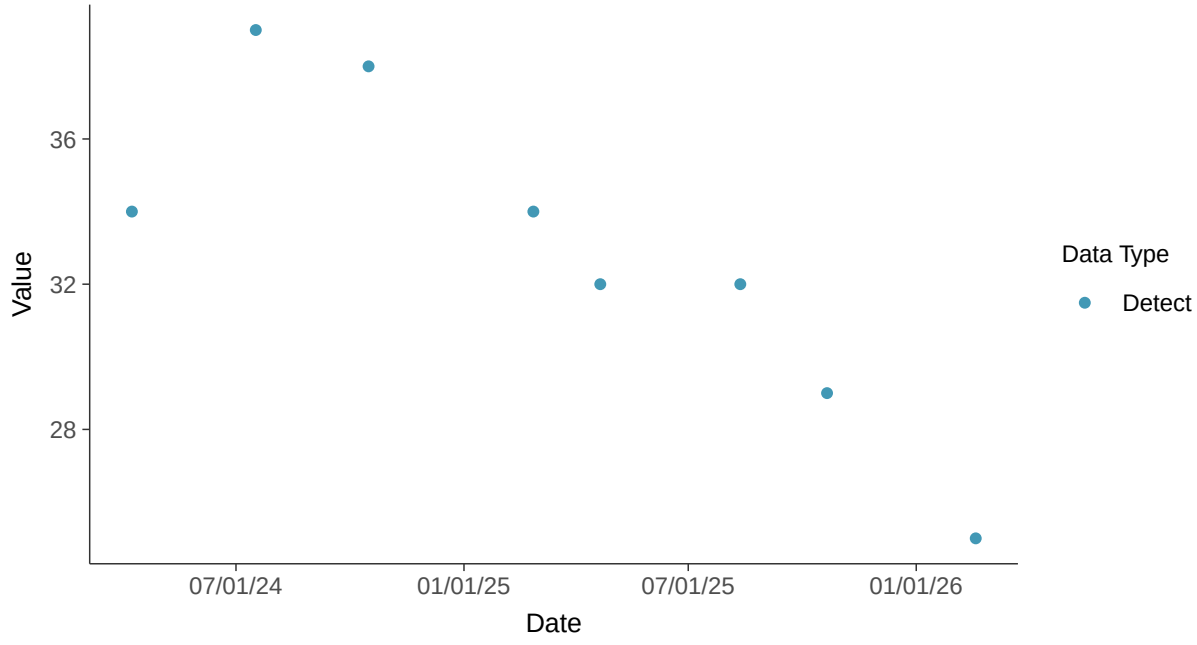


Appendix III: Chloride (as Cl), MW-36

ID: 46_1_3_108

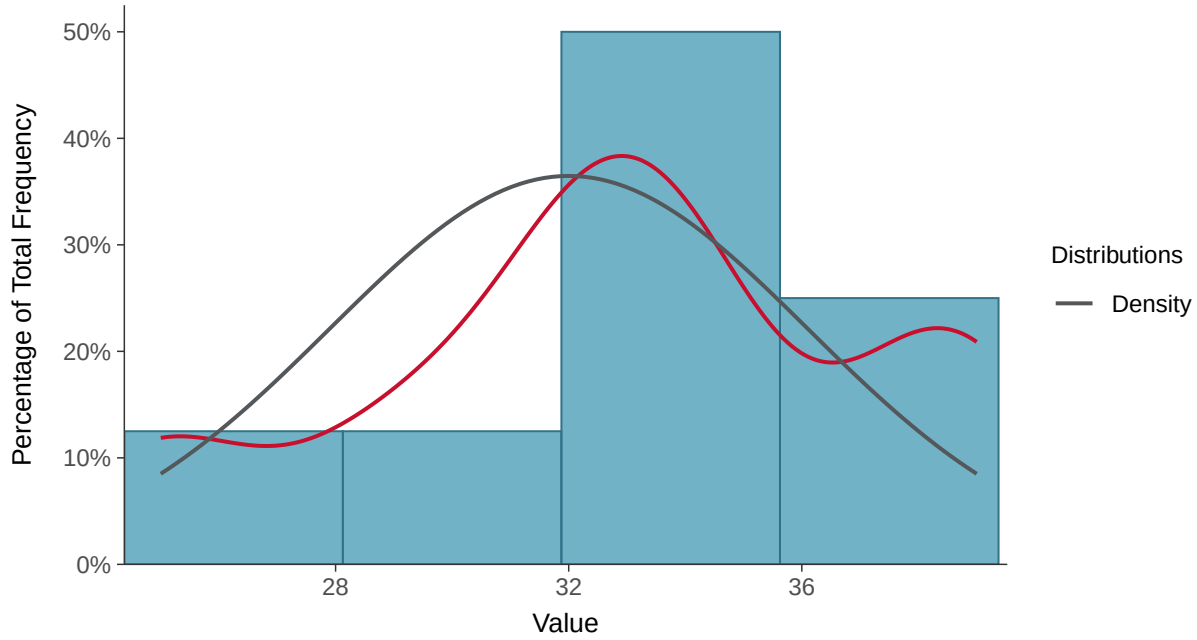
Scatter Plot

Chloride (as Cl), MW-36 (mg/L)



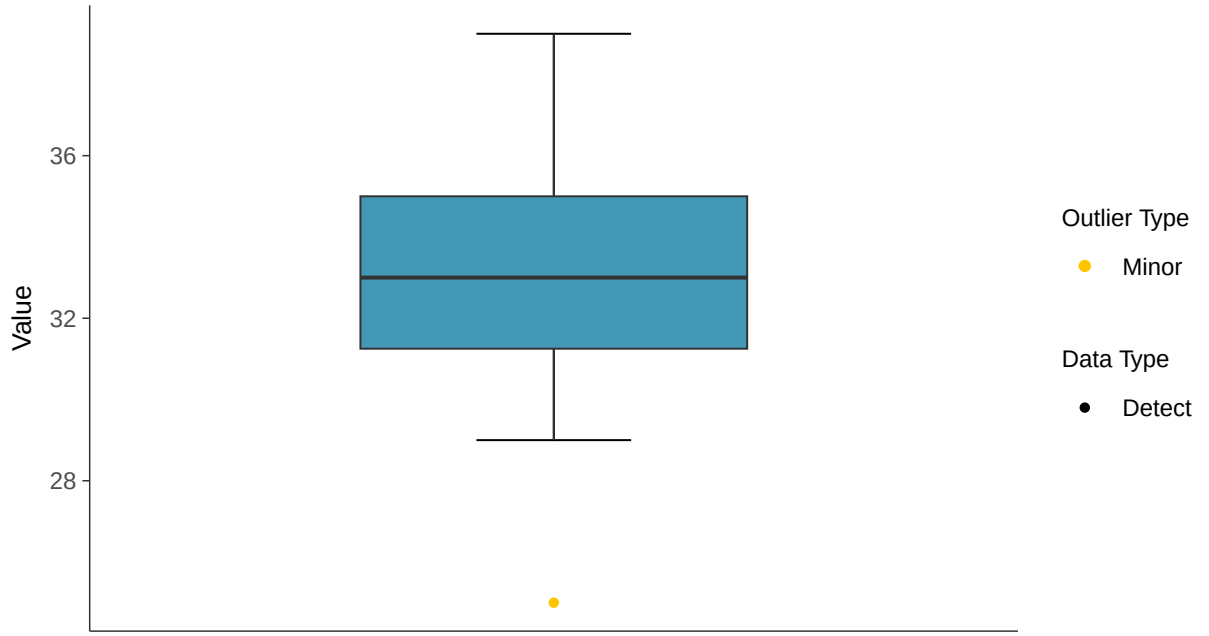
Histogram

Chloride (as Cl), MW-36 (mg/L)



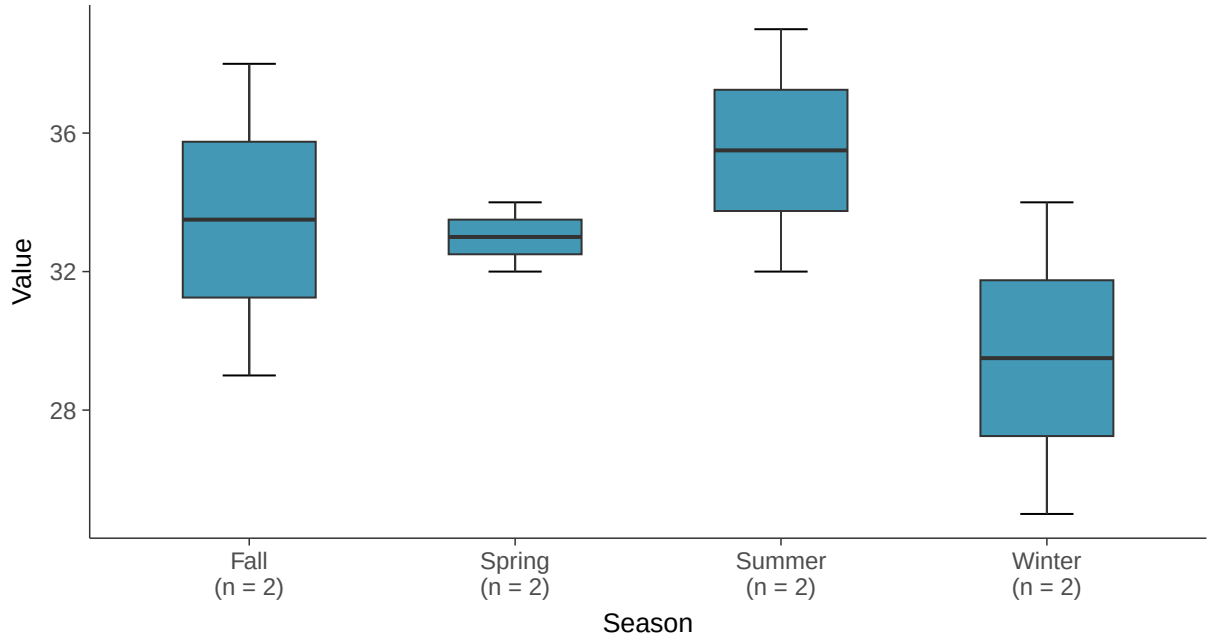
Boxplot

Chloride (as Cl), MW-36 (mg/L)



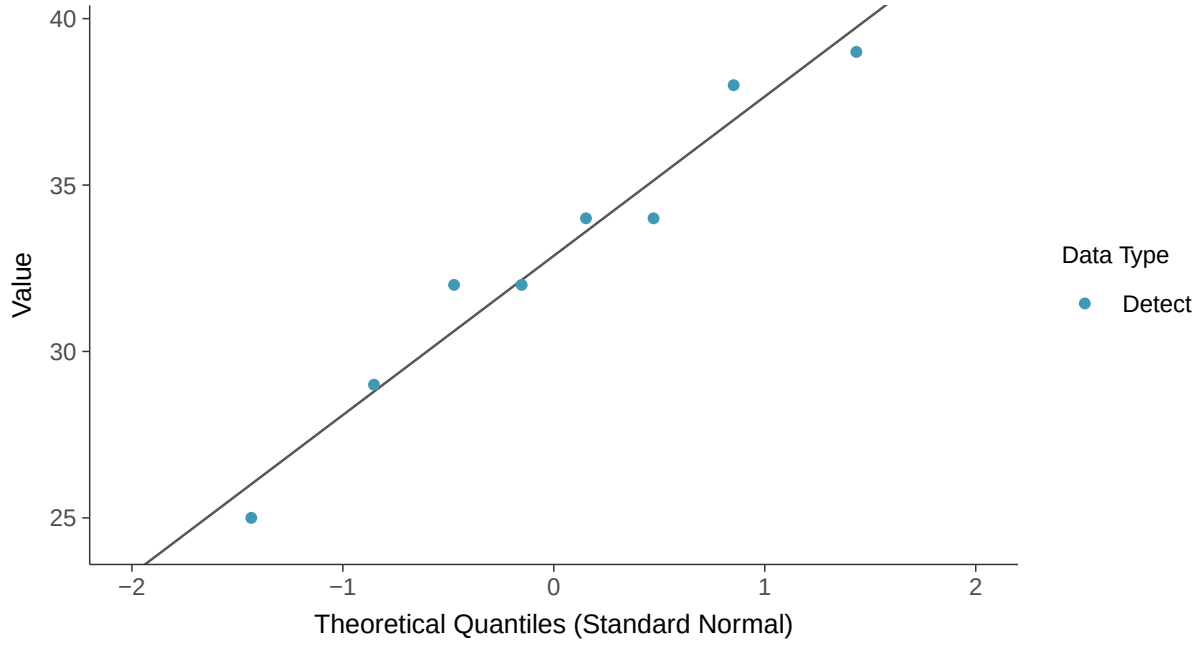
Boxplot by Season

Chloride (as Cl), MW-36 (mg/L)



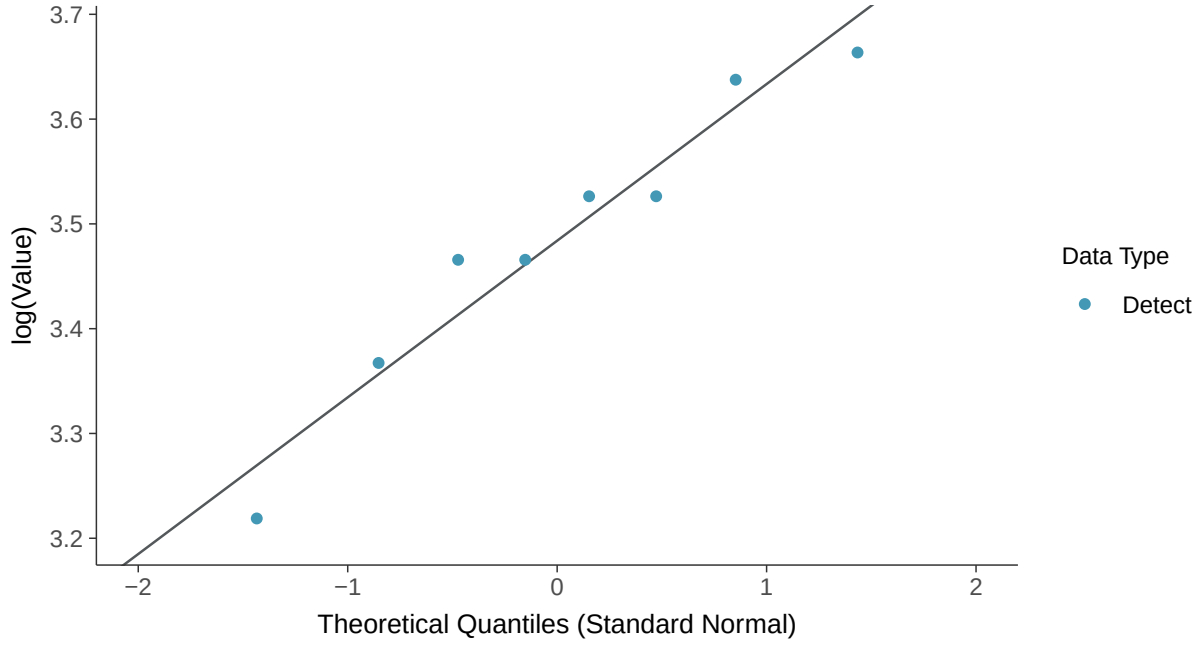
Normal Q-Q plot

Chloride (as Cl), MW-36 (mg/L)



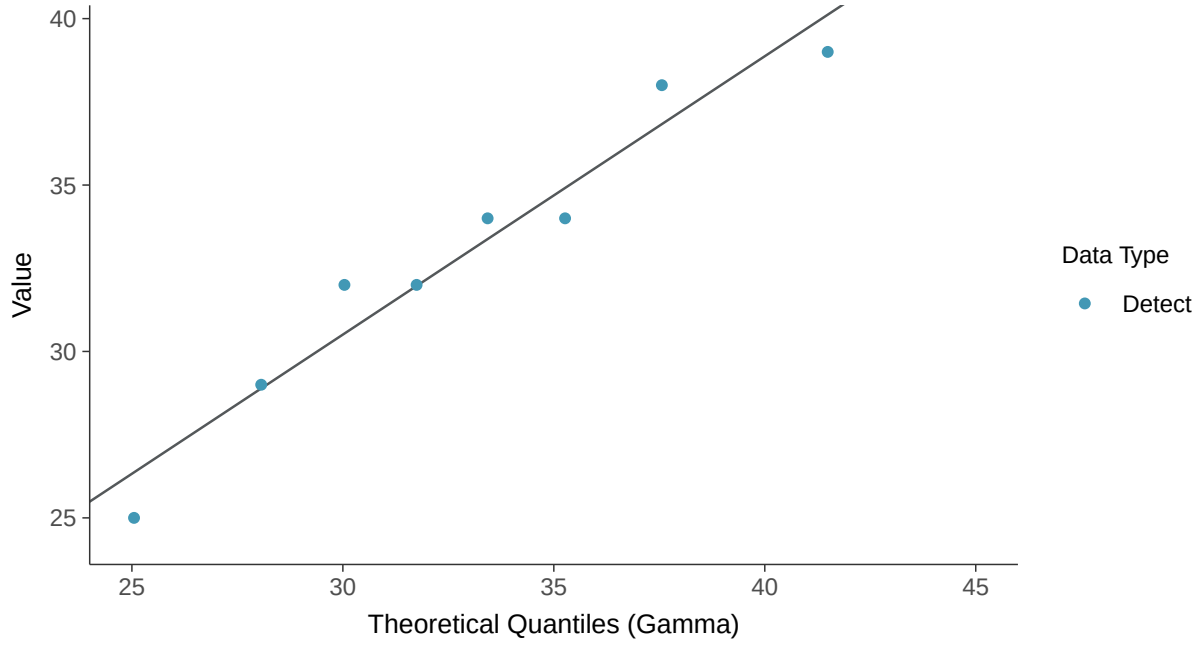
Lognormal Q-Q plot

Chloride (as Cl), MW-36 (mg/L)



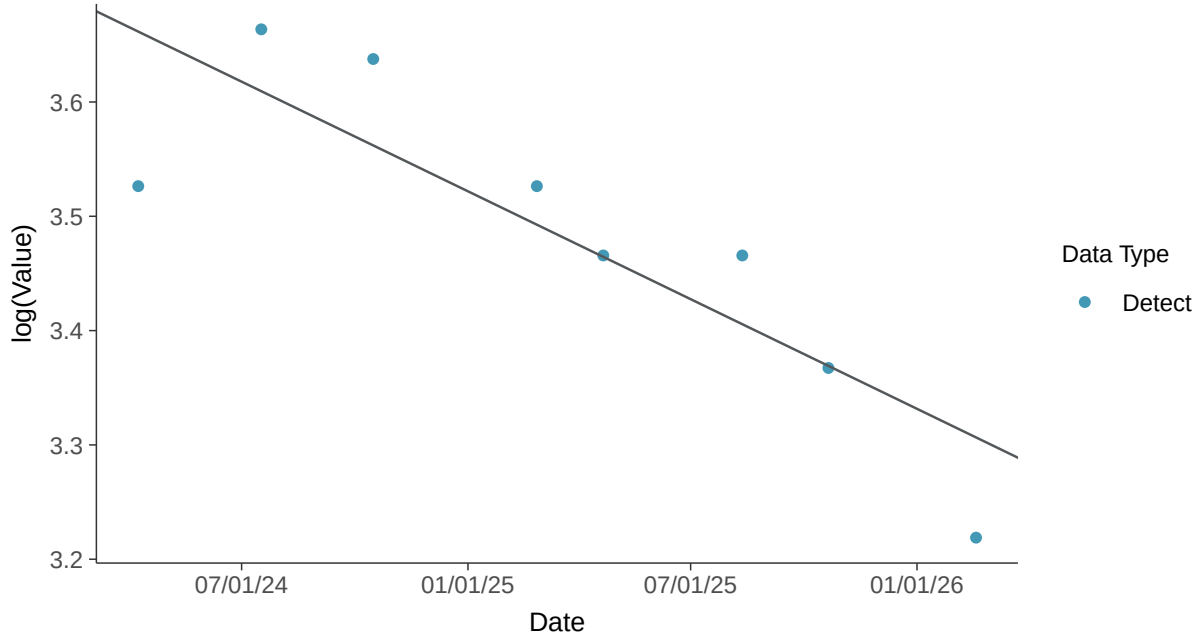
Gamma Q-Q plot

Chloride (as Cl), MW-36 (mg/L)



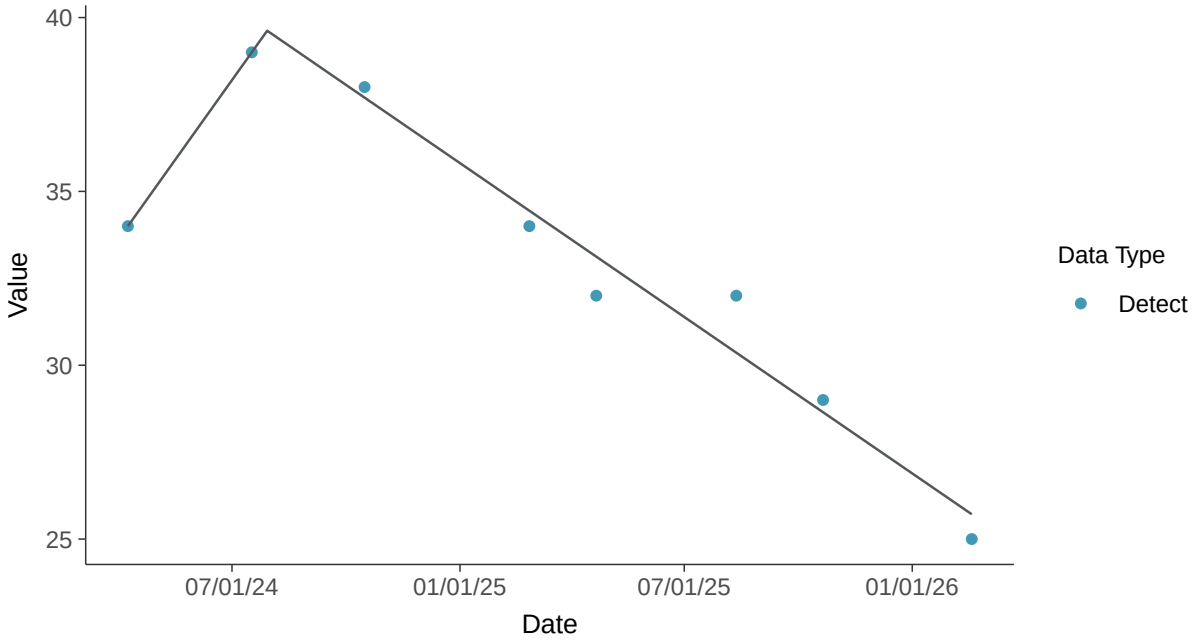
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-36 (mg/L)



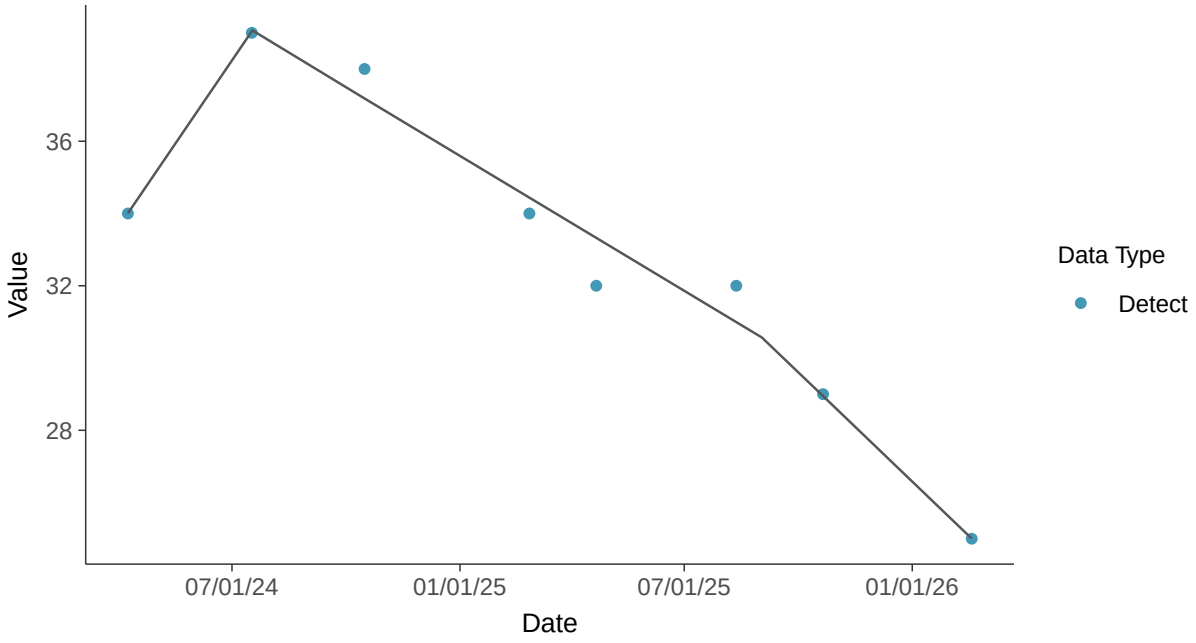
Trend Regression: Piecewise Linear-Linear

Chloride (as Cl), MW-36 (mg/L)



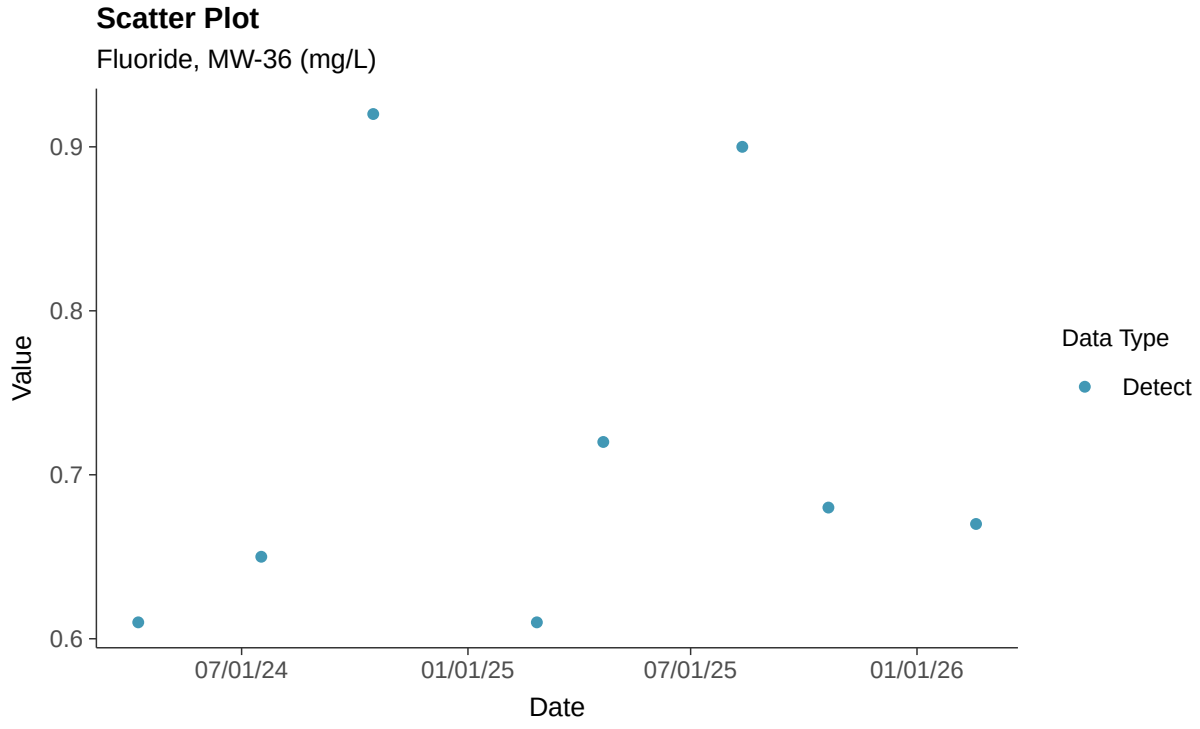
Trend Regression: Piecewise Linear-Linear-Linear

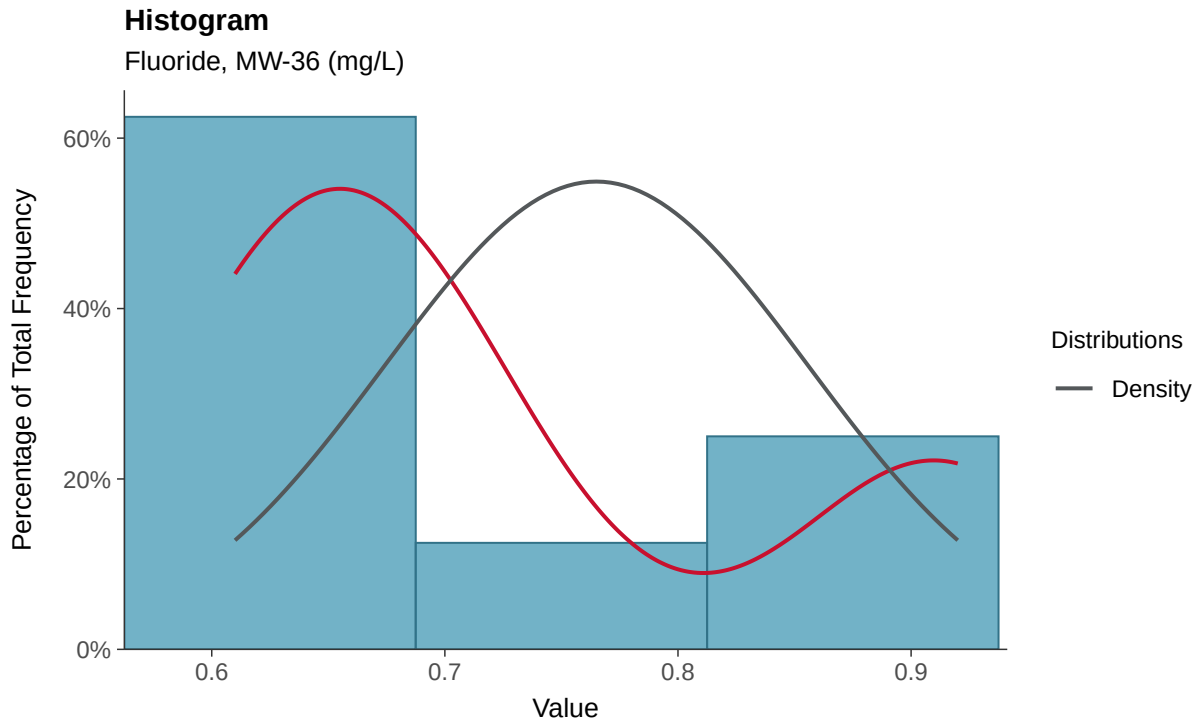
Chloride (as Cl), MW-36 (mg/L)



Appendix III: Fluoride, MW-36

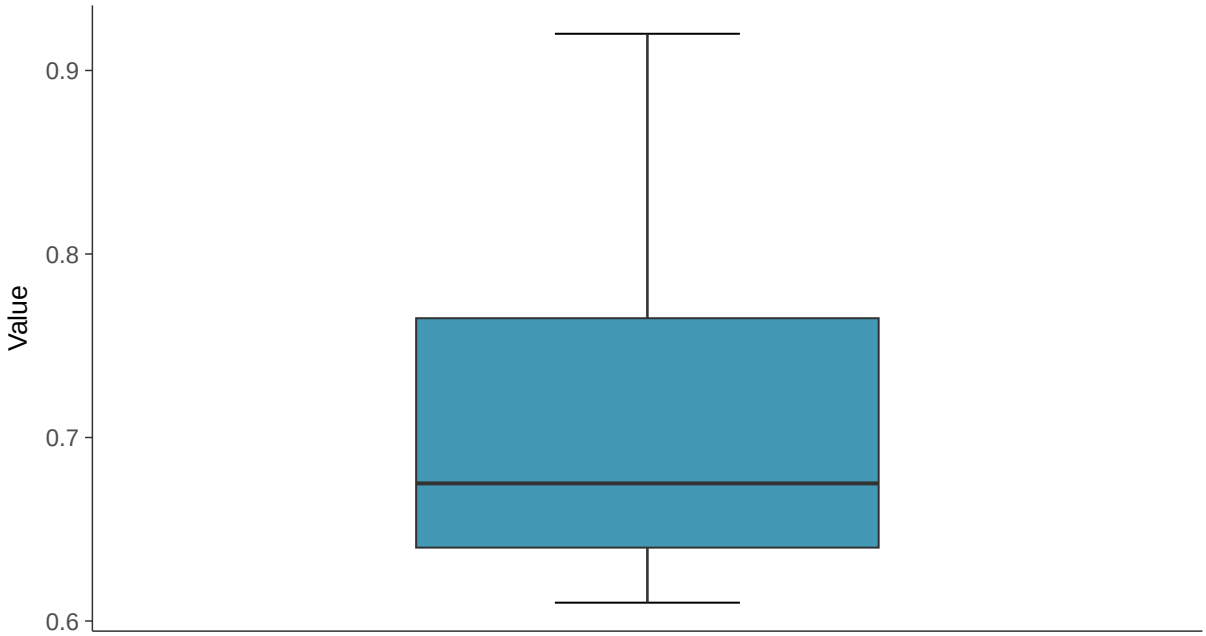
ID: 46_1_3_112





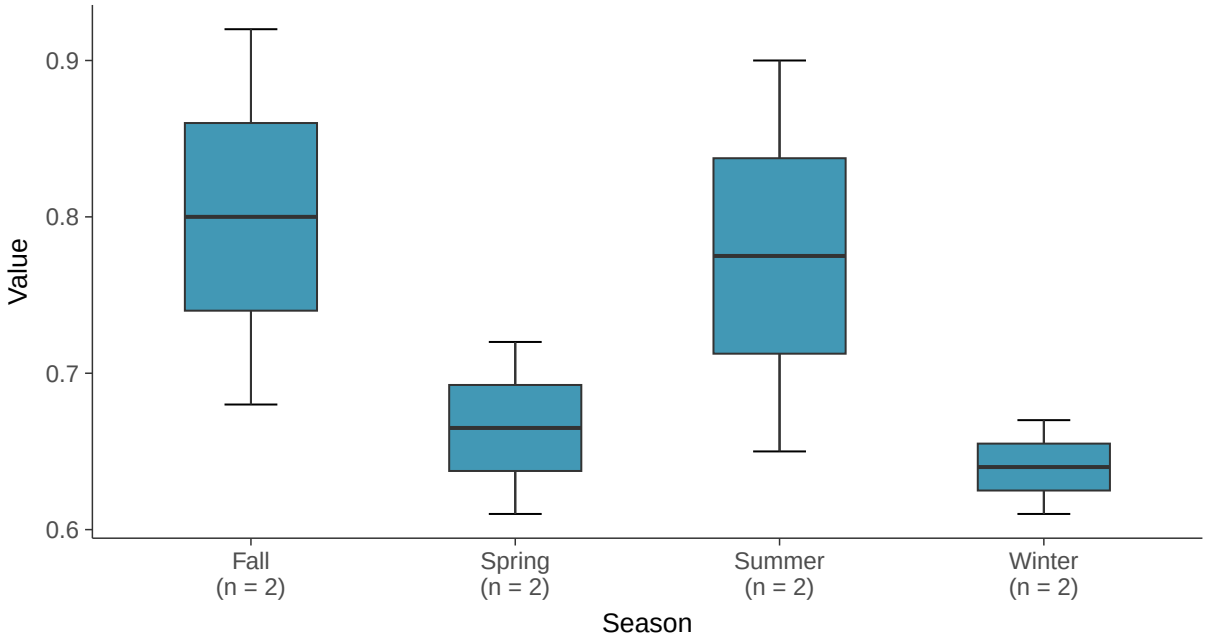
Boxplot

Fluoride, MW-36 (mg/L)



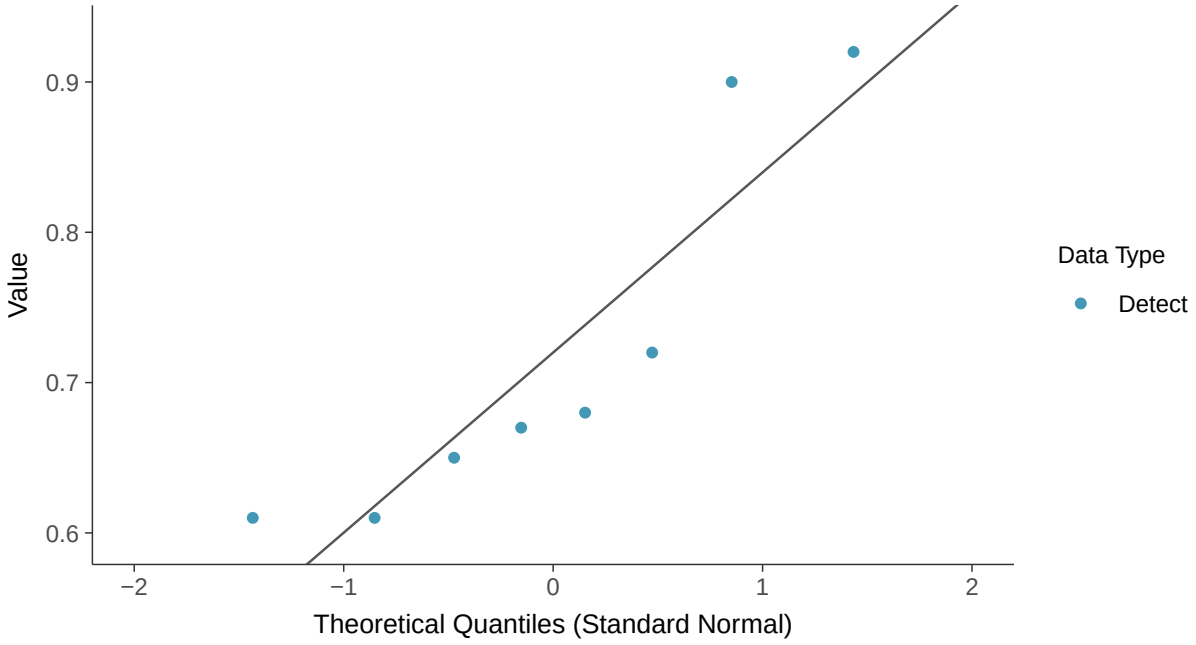
Boxplot by Season

Fluoride, MW-36 (mg/L)



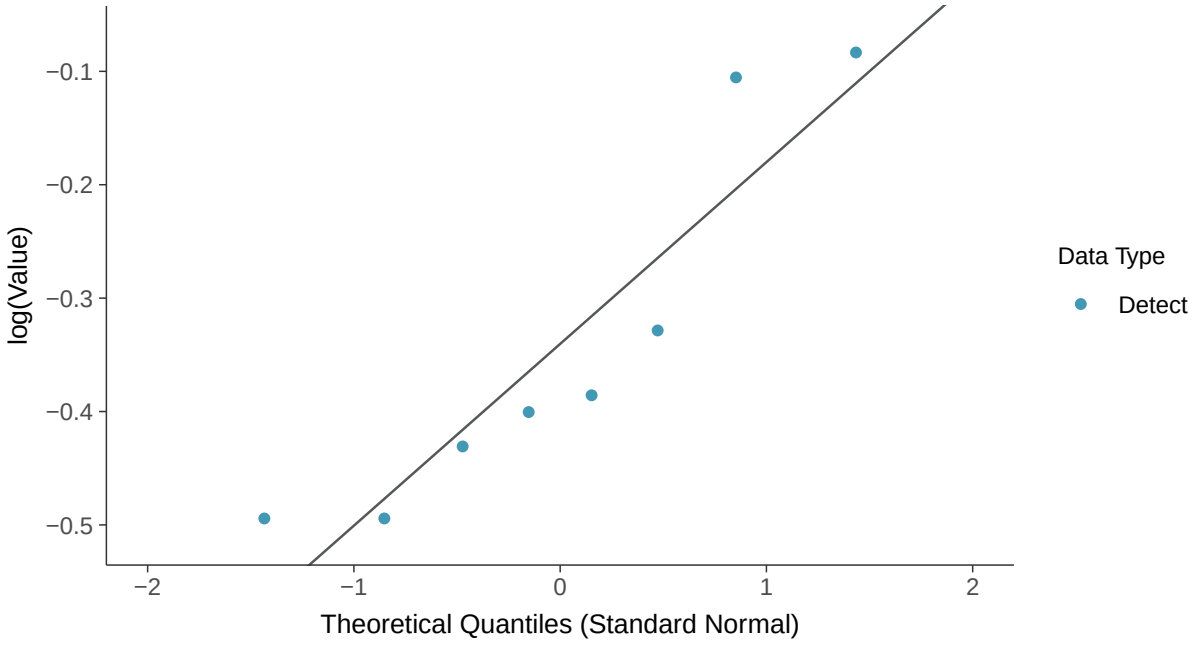
Normal Q-Q plot

Fluoride, MW-36 (mg/L)



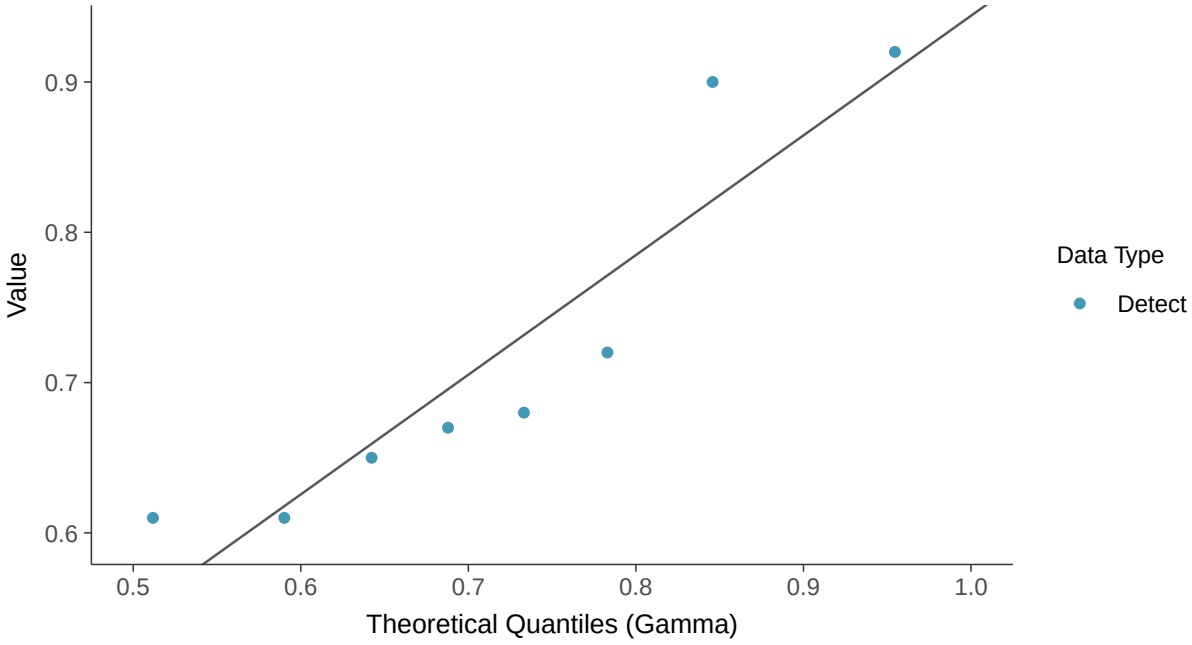
Lognormal Q-Q plot

Fluoride, MW-36 (mg/L)



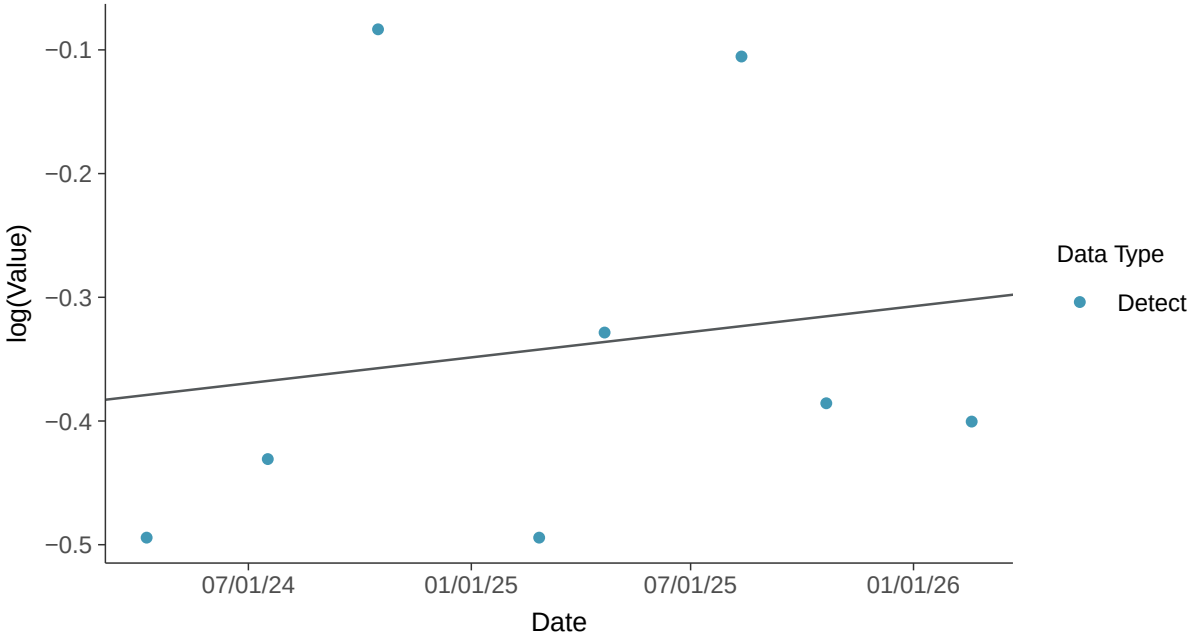
Gamma Q-Q plot

Fluoride, MW-36 (mg/L)



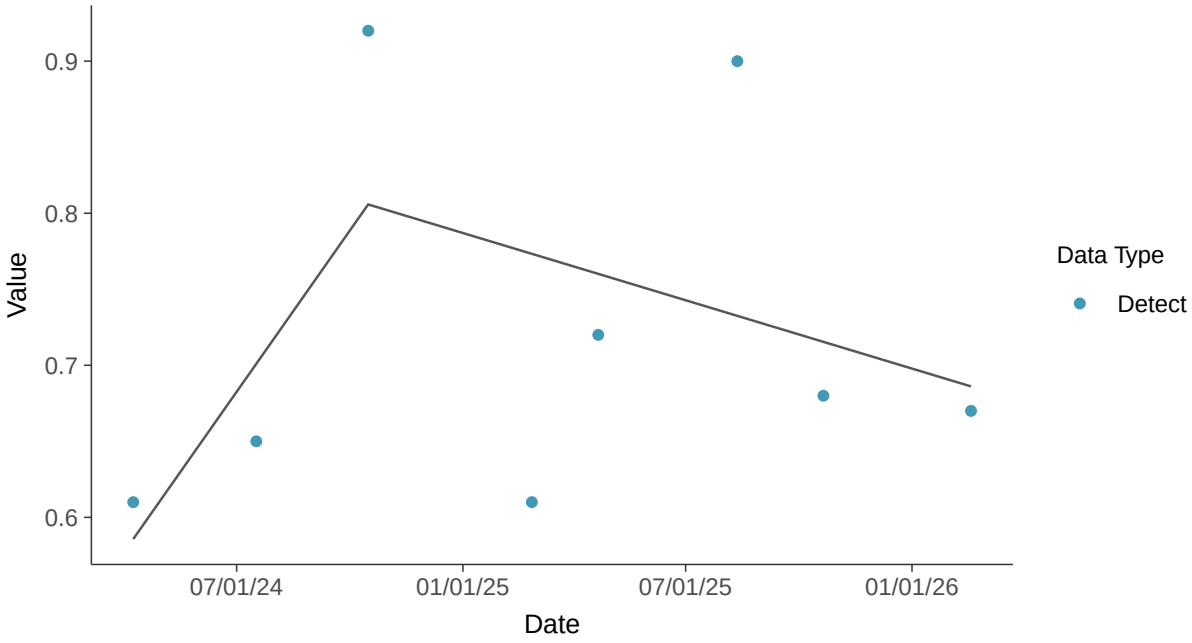
Trend Regression: Lognormal MLE

Fluoride, MW-36 (mg/L)



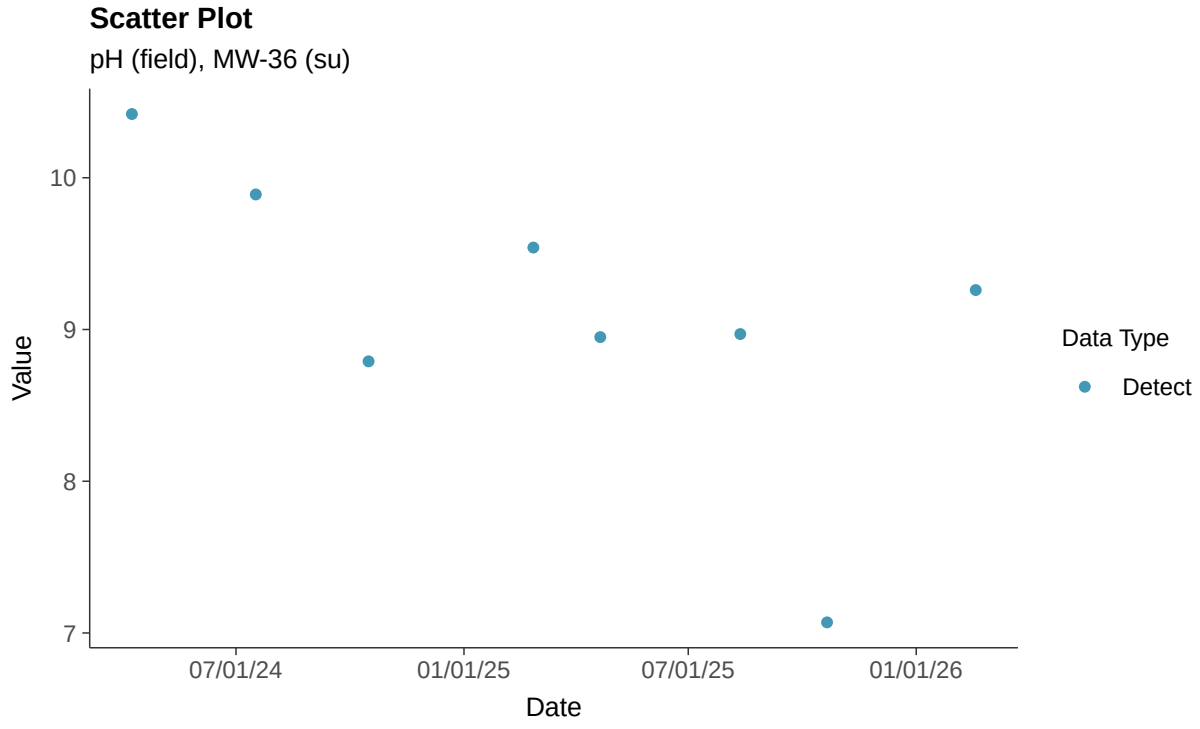
Trend Regression: Piecewise Linear-Linear

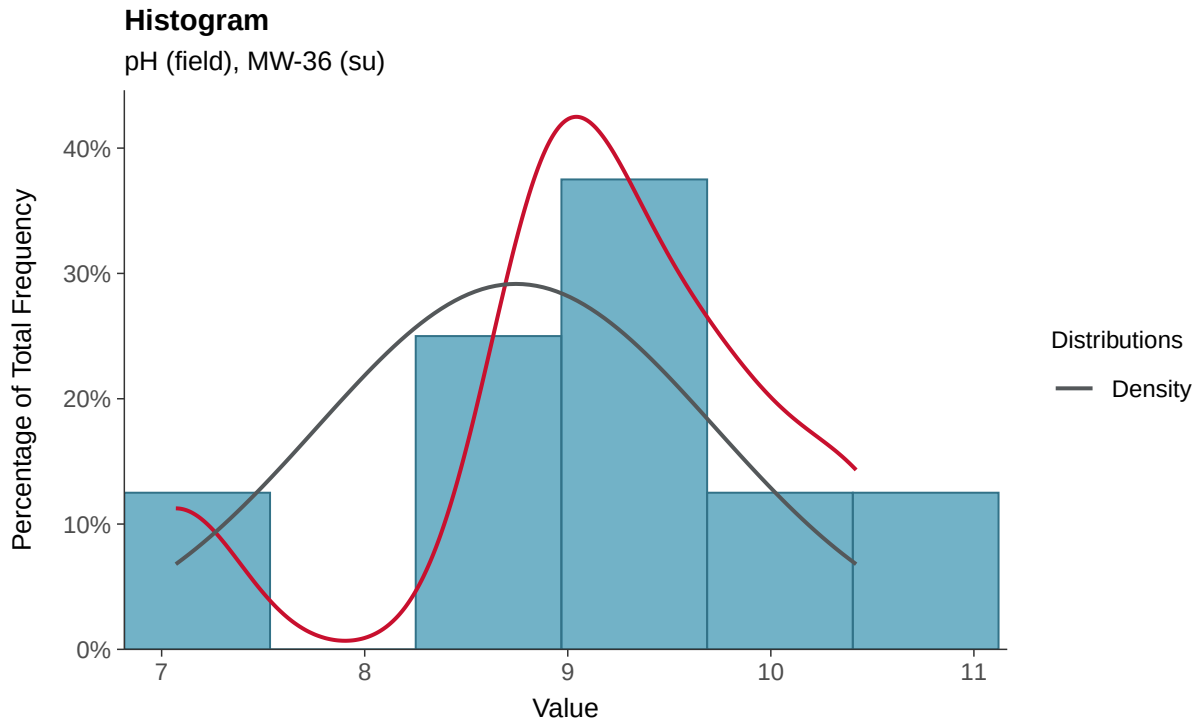
Fluoride, MW-36 (mg/L)



Appendix III: pH (field), MW-36

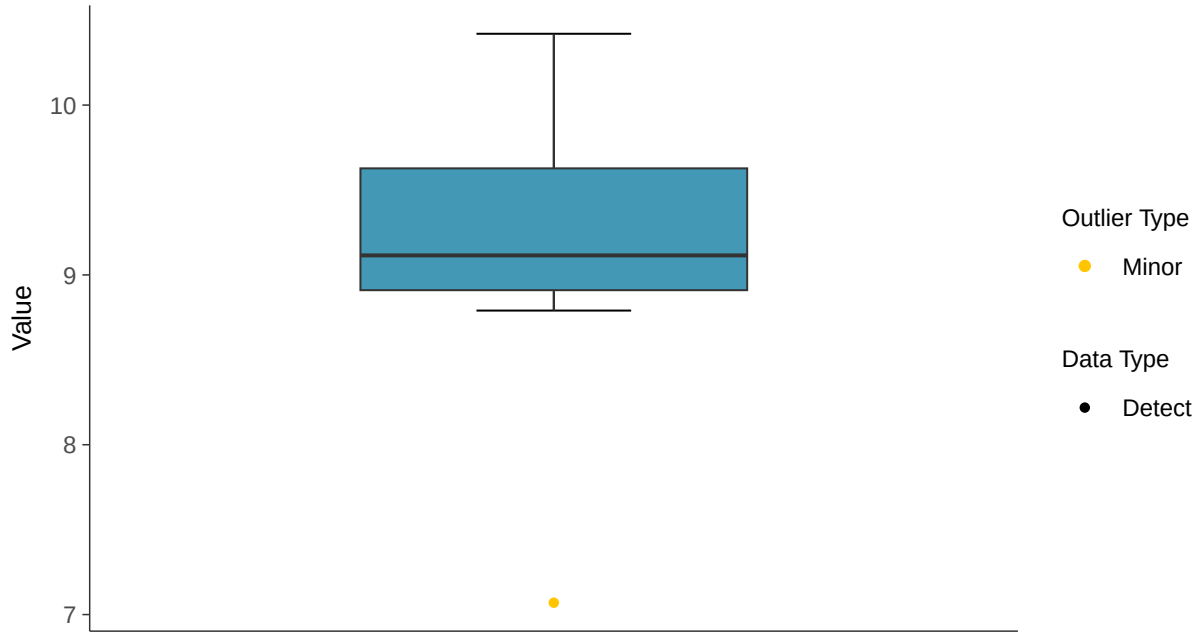
ID: 46_1_3_120





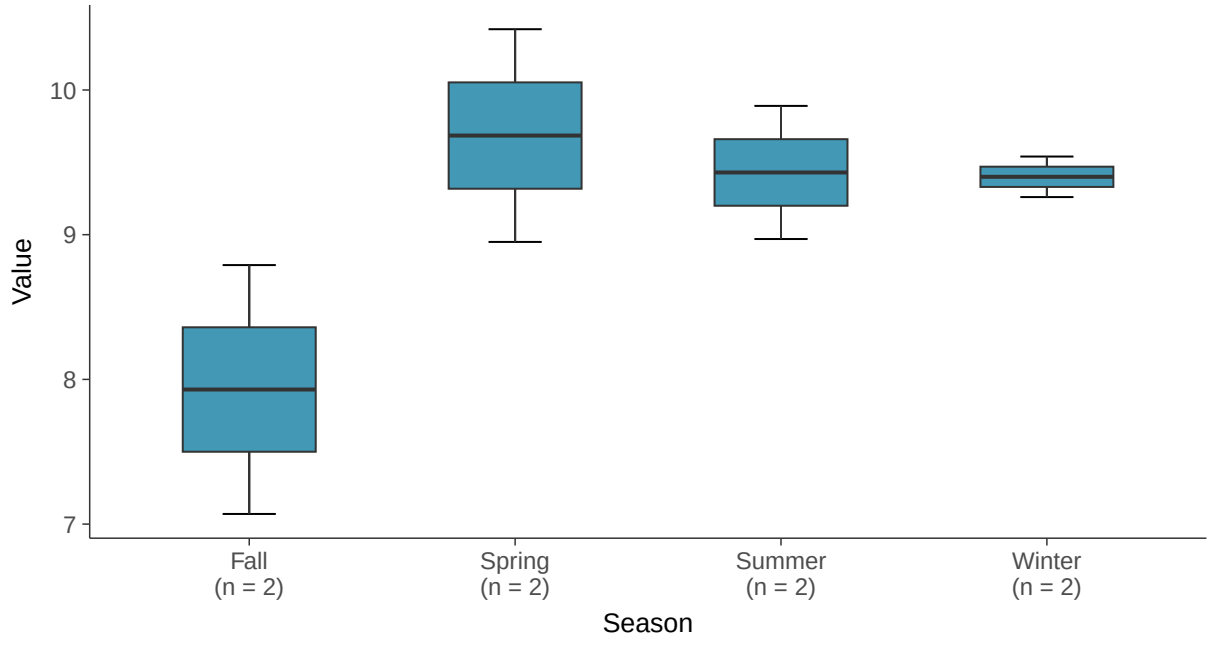
Boxplot

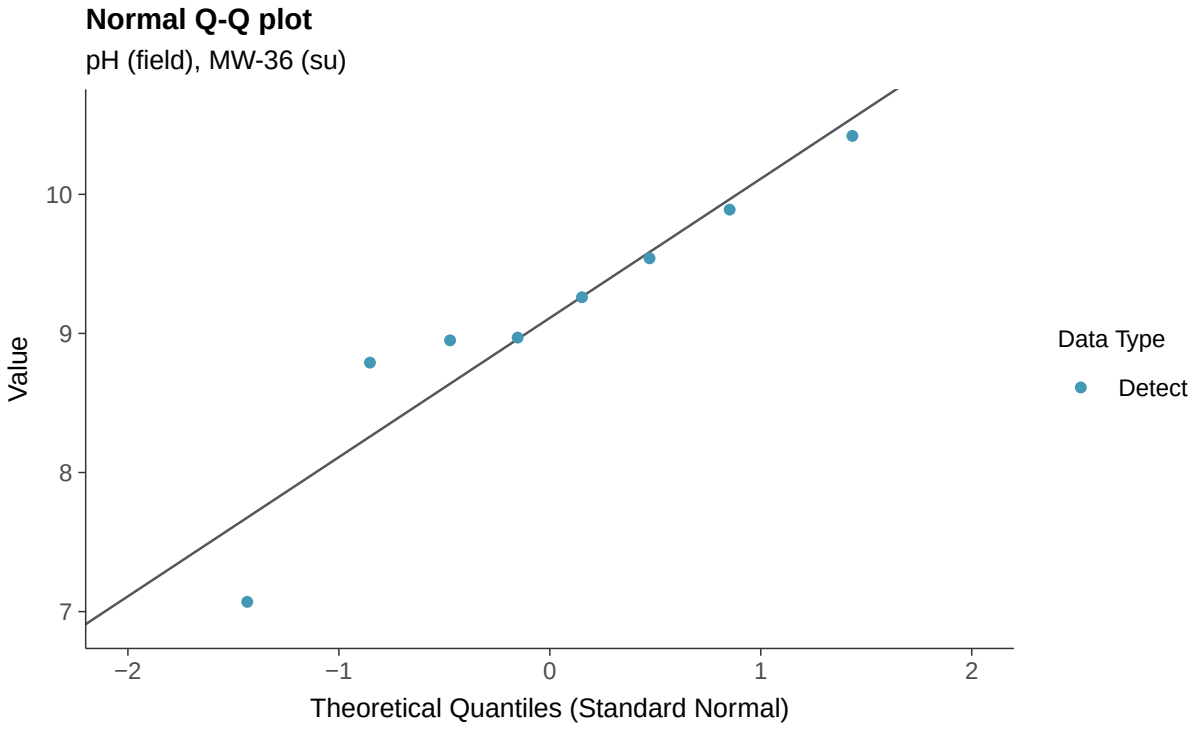
pH (field), MW-36 (su)

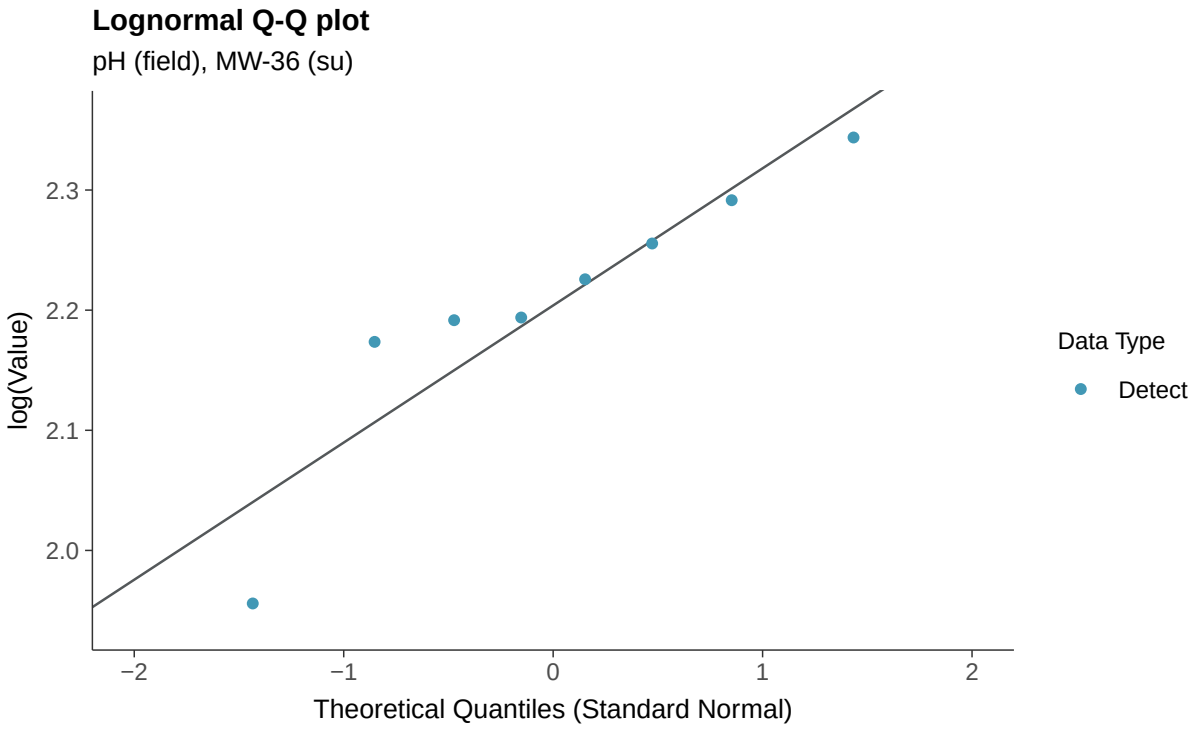


Boxplot by Season

pH (field), MW-36 (su)

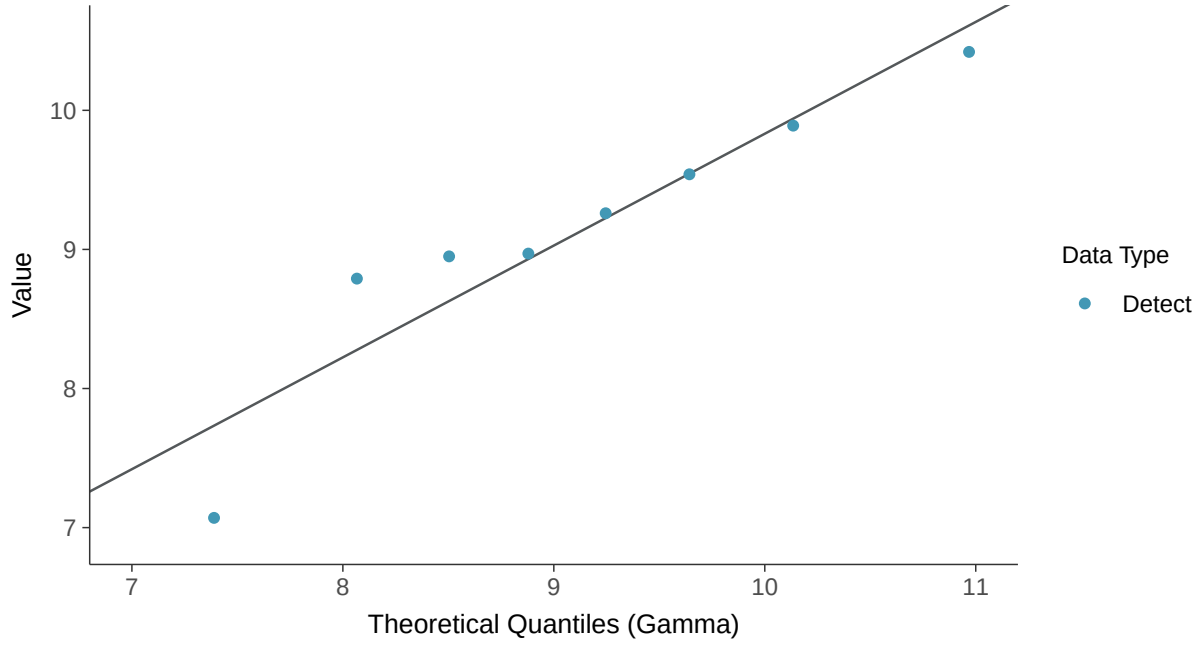



Normal Q-Q plot
pH (field), MW-36 (su)
Value
10
9
8
7
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
pH (field), MW-36 (su)
log(Value)
2.3
2.2
2.1
2.0
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

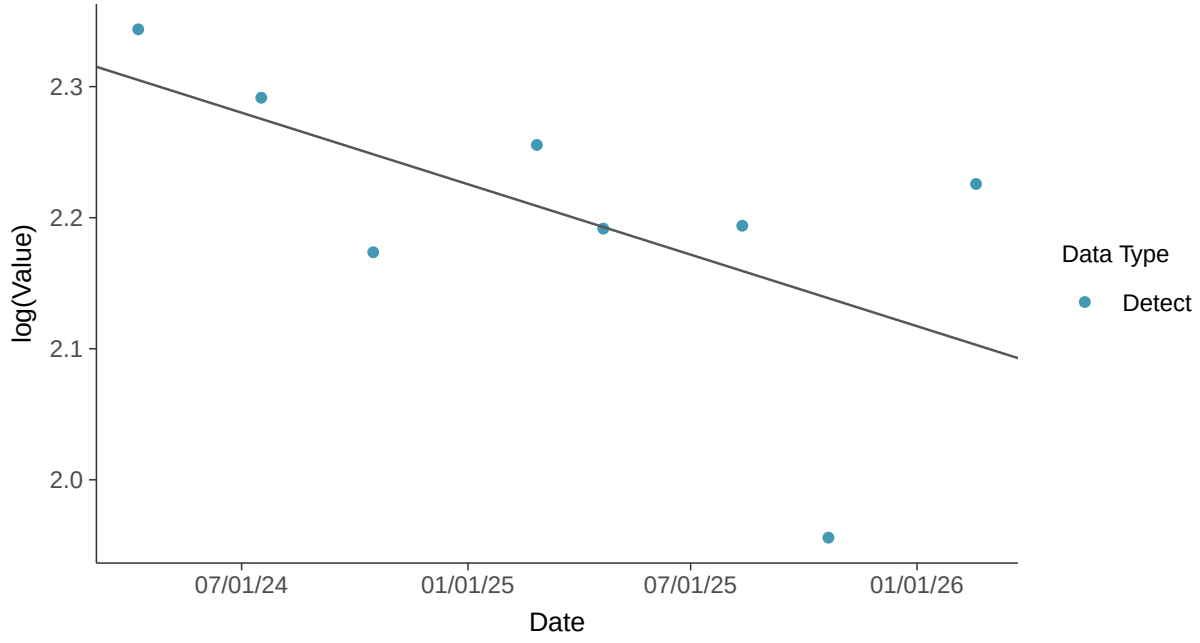
Gamma Q-Q plot

pH (field), MW-36 (su)



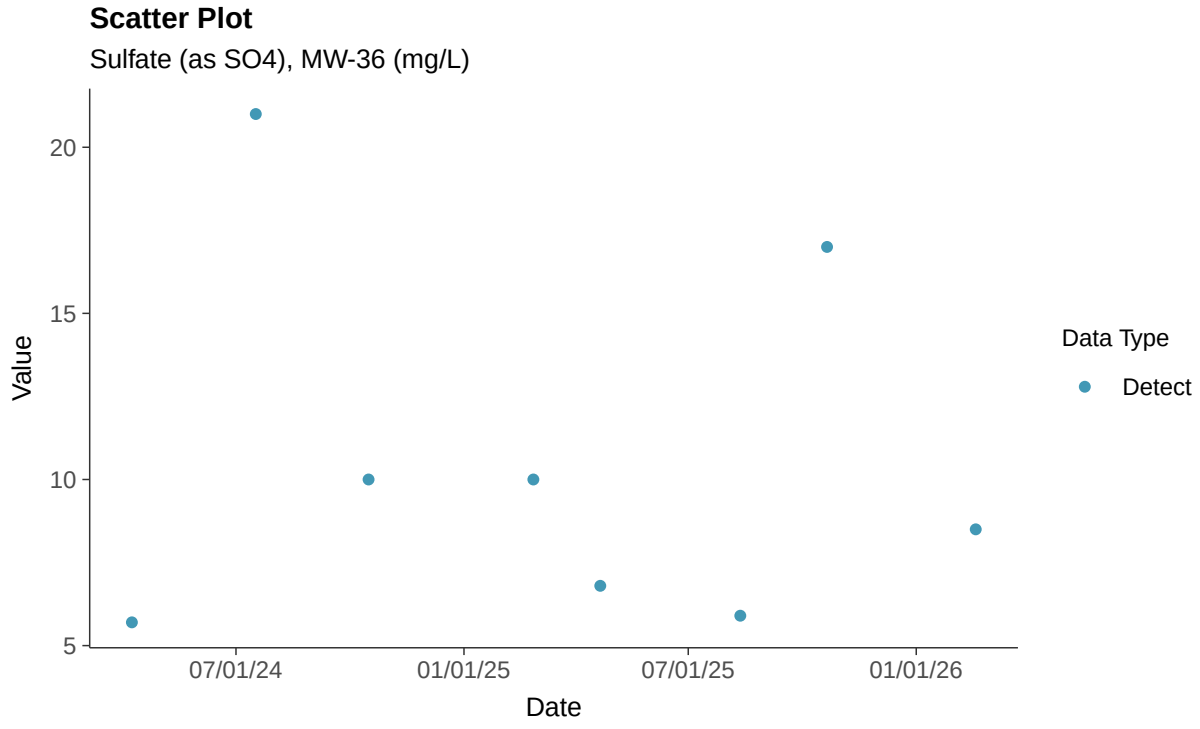
Trend Regression: Lognormal MLE

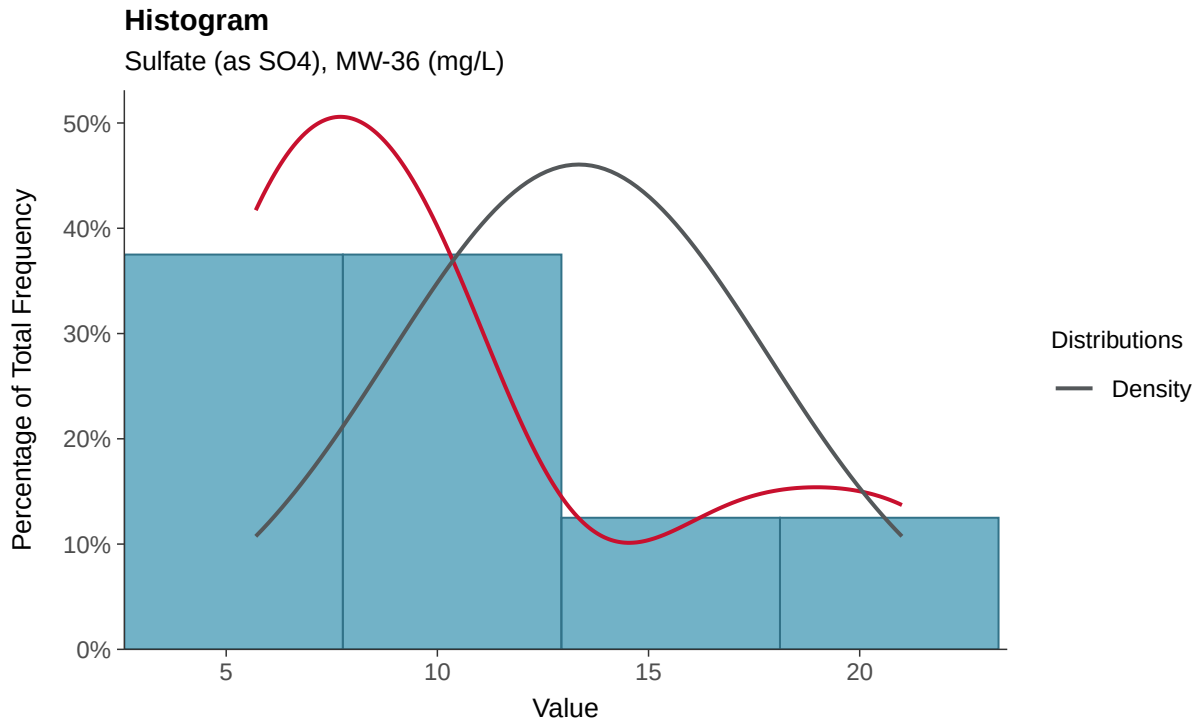
pH (field), MW-36 (su)



Appendix III: Sulfate (as SO4), MW-36

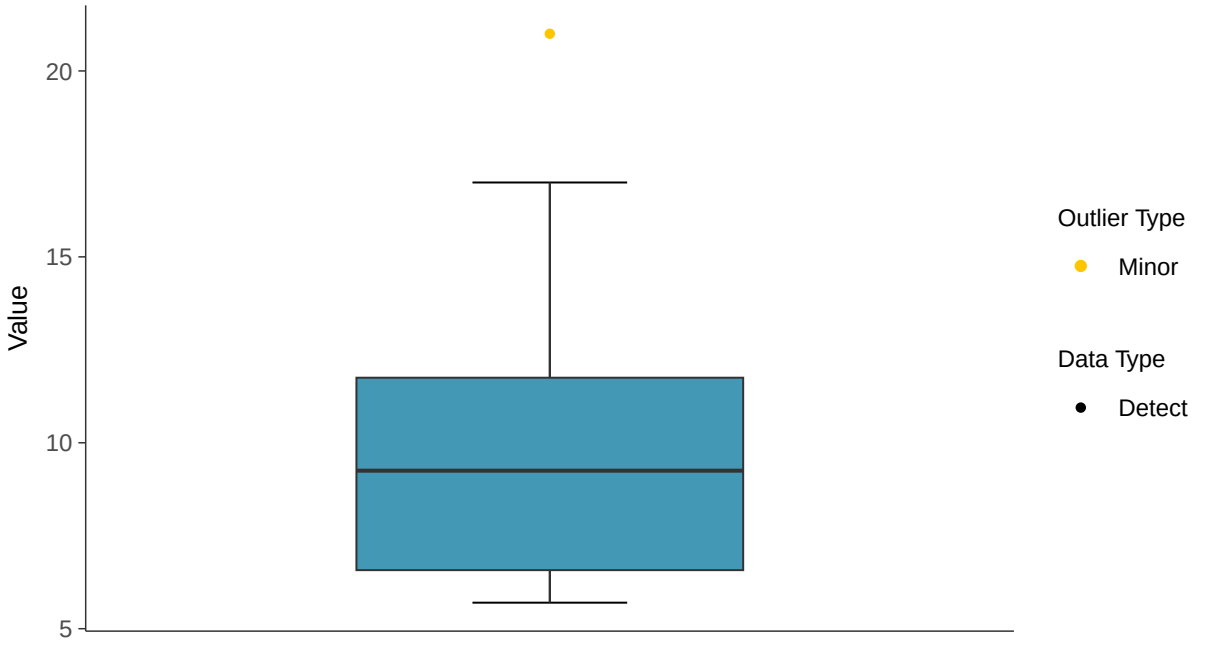
ID: 46_1_3_124





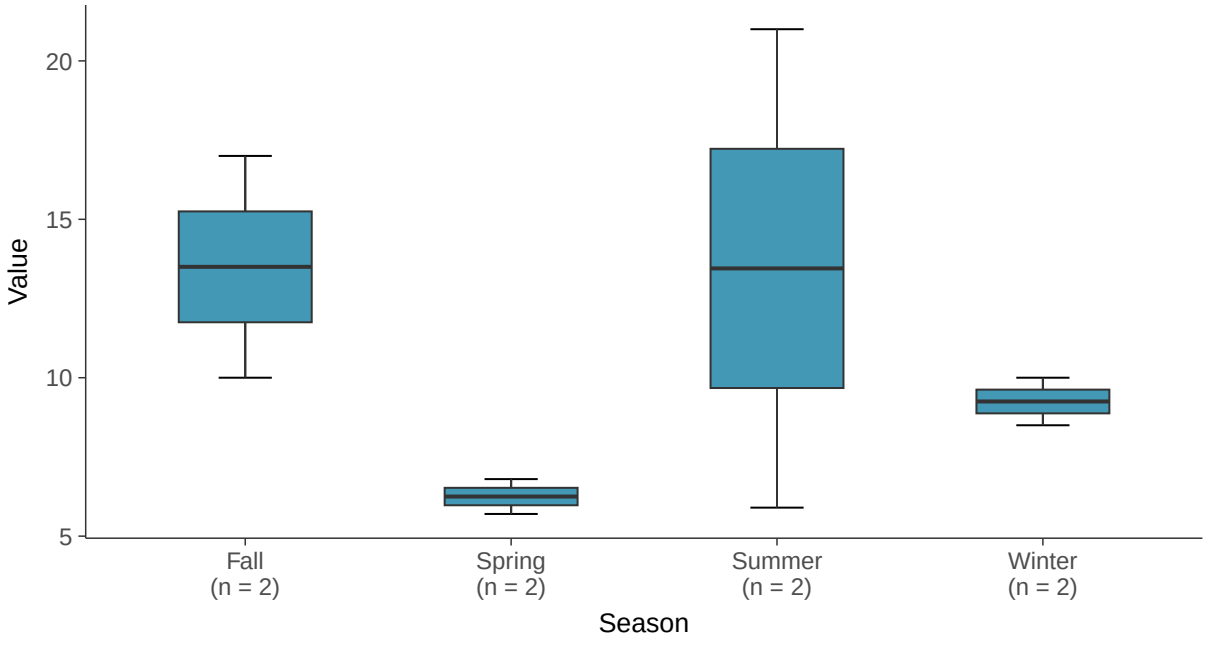
Boxplot

Sulfate (as SO4), MW-36 (mg/L)



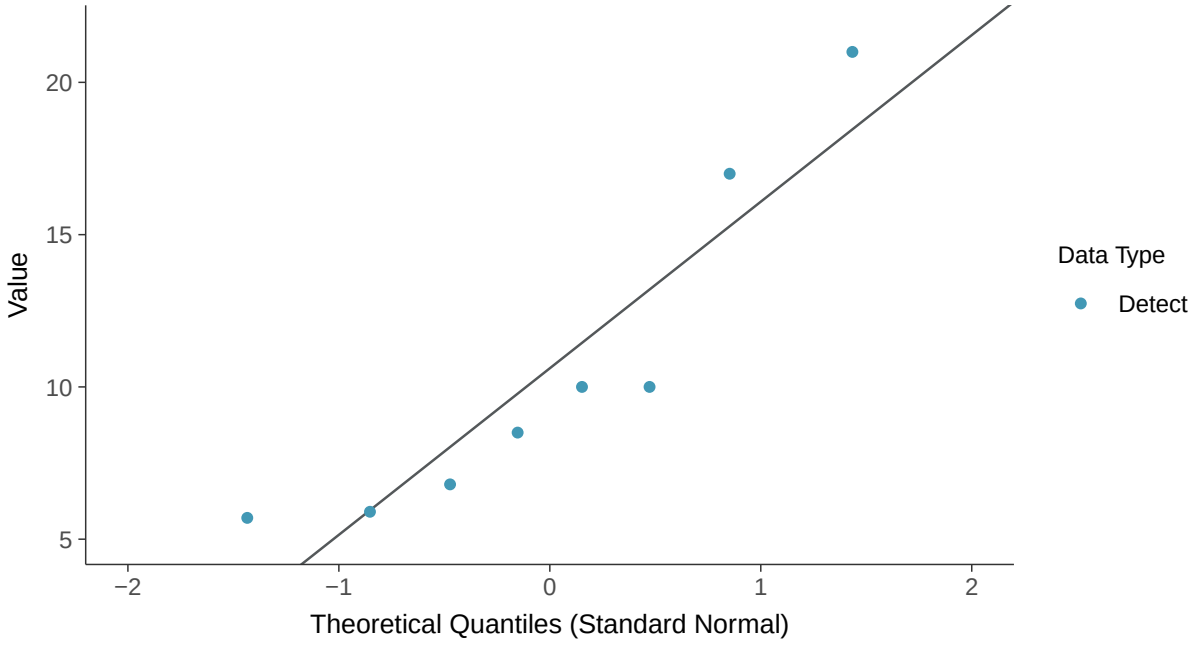
Boxplot by Season

Sulfate (as SO4), MW-36 (mg/L)



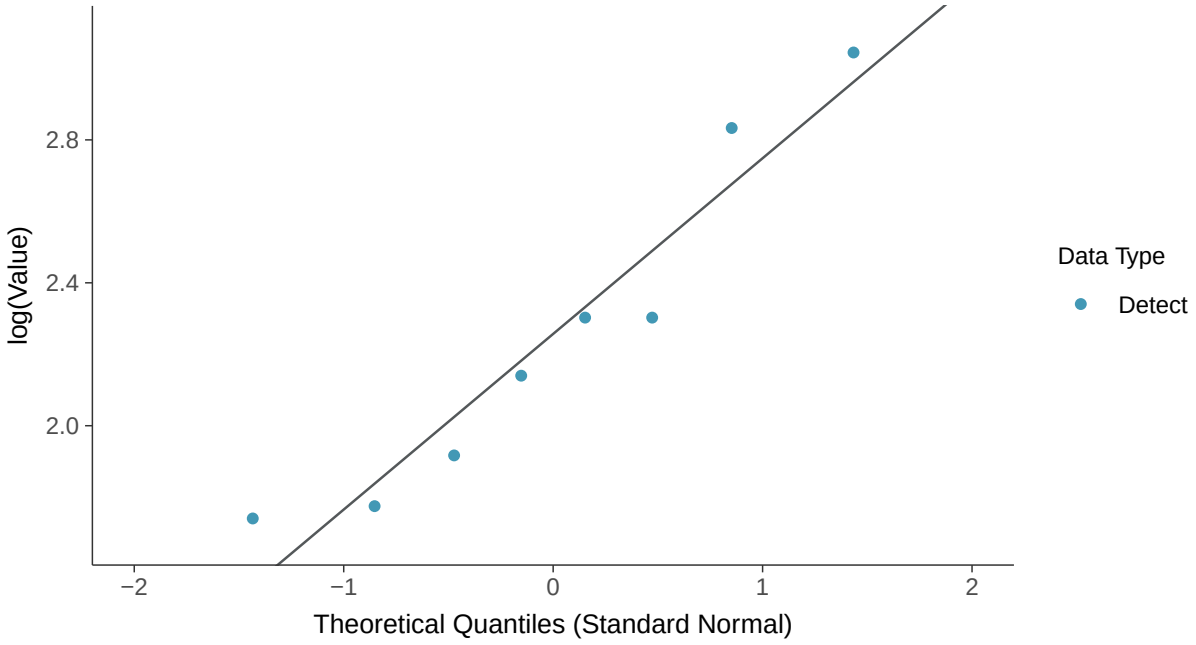
Normal Q-Q plot

Sulfate (as SO4), MW-36 (mg/L)



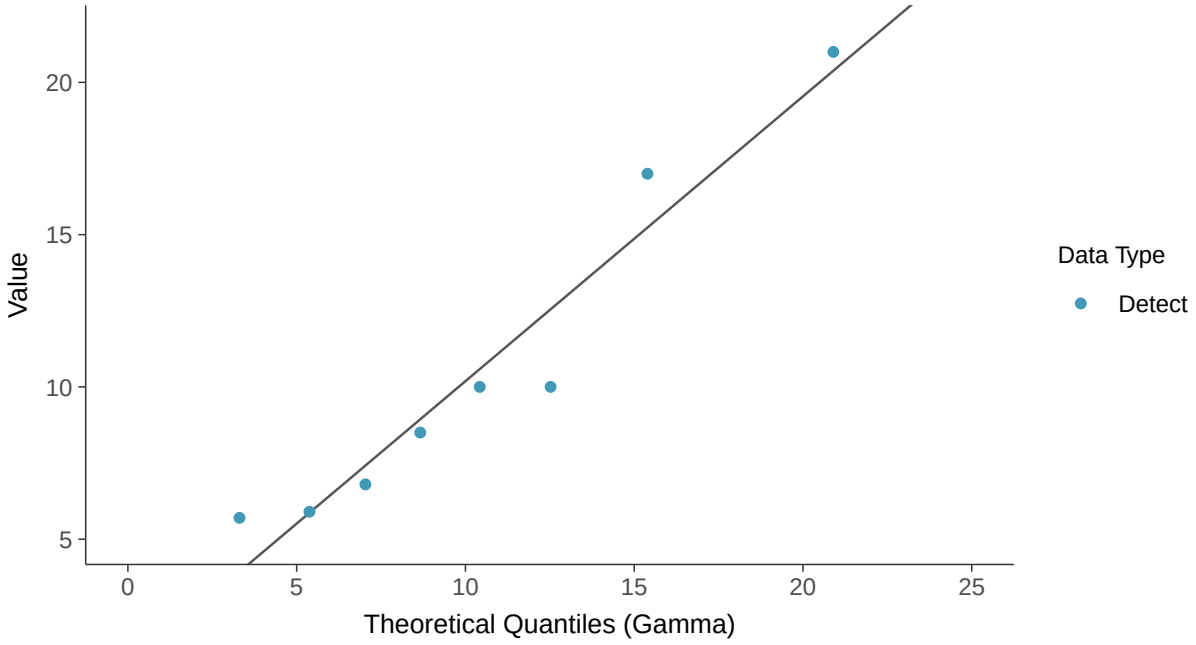
Lognormal Q-Q plot

Sulfate (as SO4), MW-36 (mg/L)



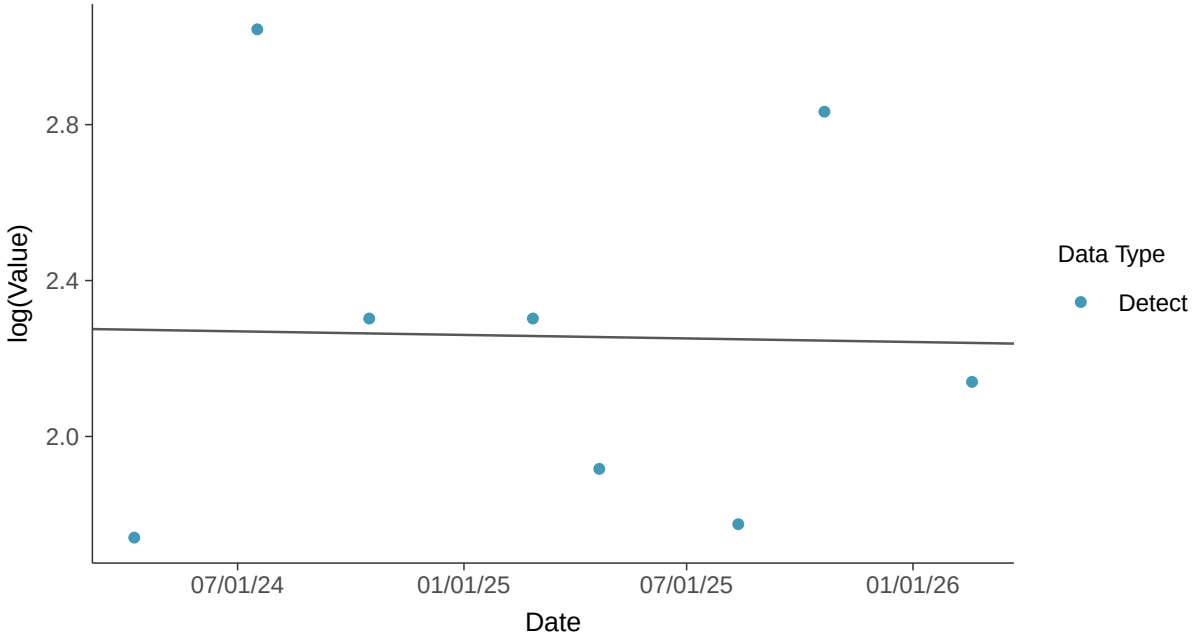
Gamma Q-Q plot

Sulfate (as SO4), MW-36 (mg/L)



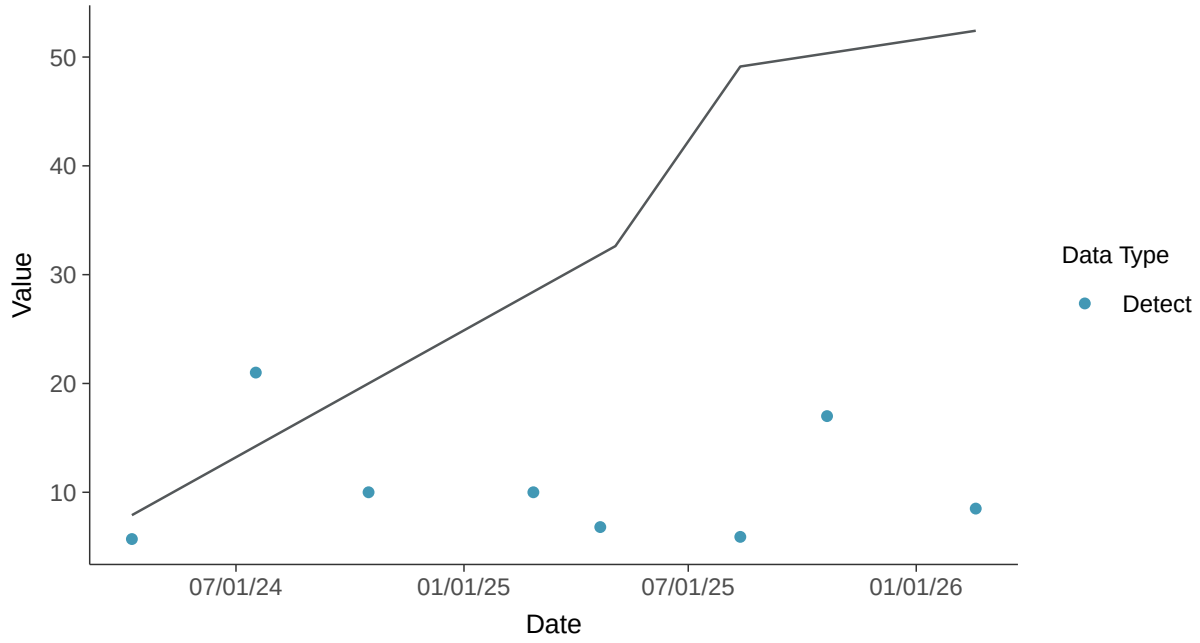
Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-36 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Sulfate (as SO4), MW-36 (mg/L)

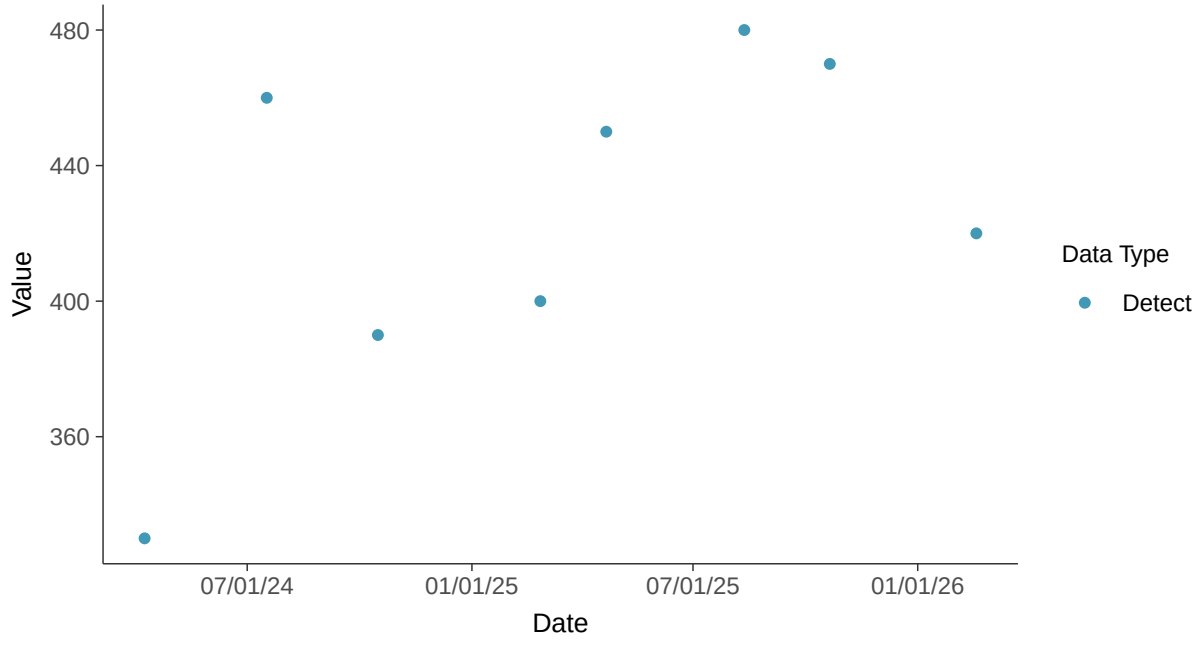


Appendix III: Total Dissolved Solids, MW-36

ID: 46_1_3_126

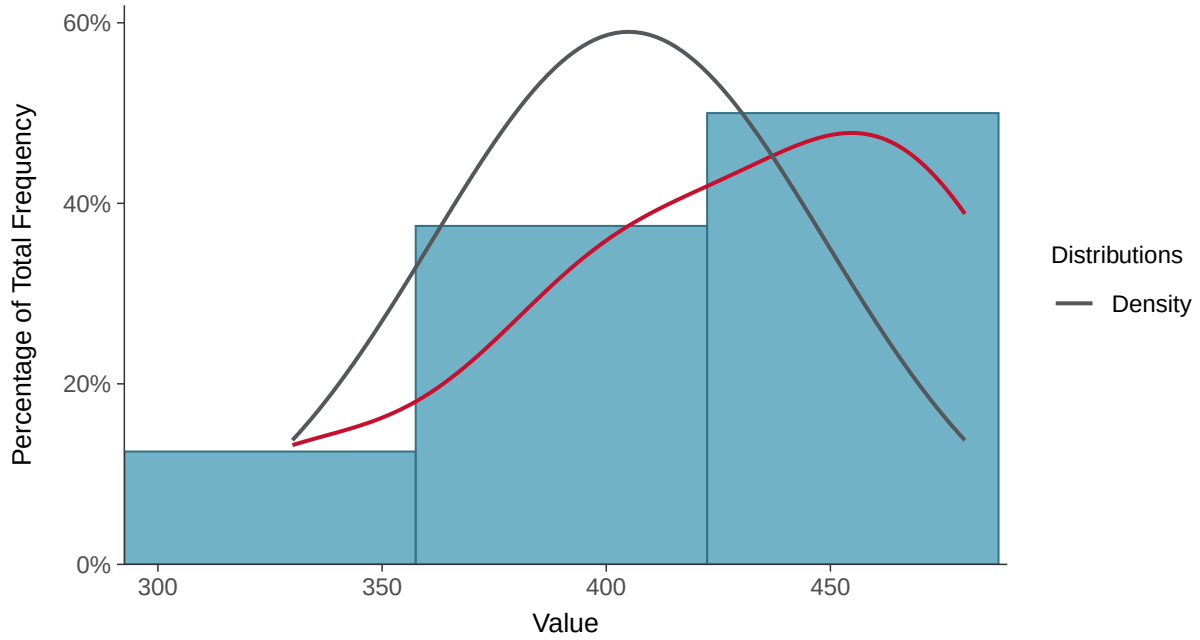
Scatter Plot

Total Dissolved Solids, MW-36 (mg/L)



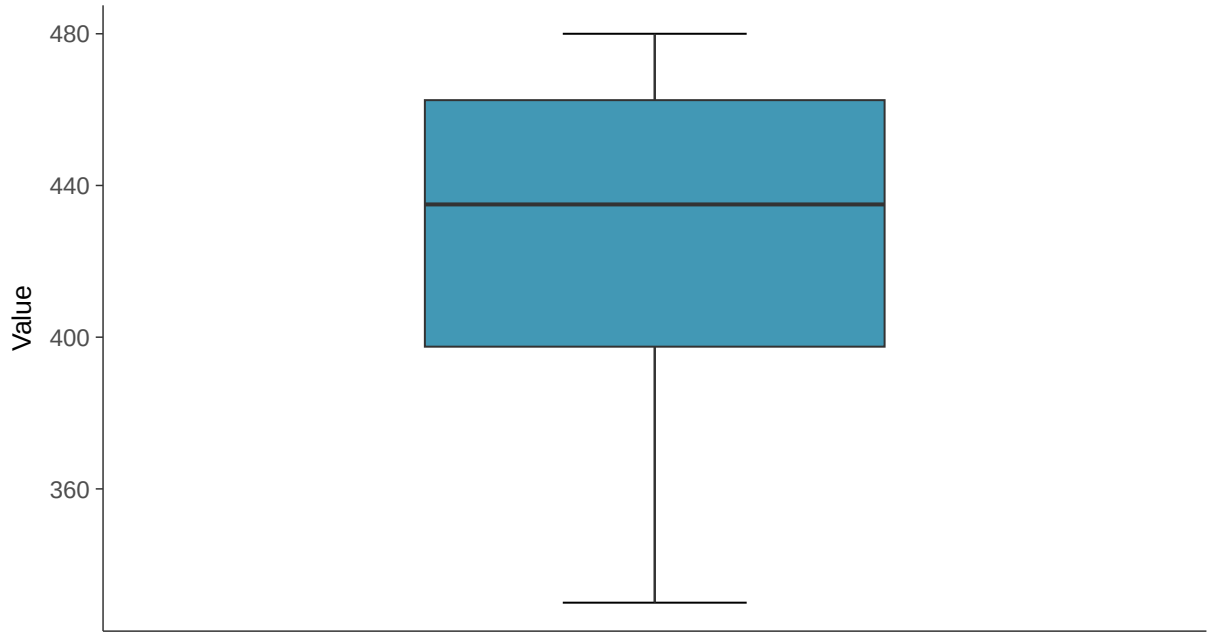
Histogram

Total Dissolved Solids, MW-36 (mg/L)



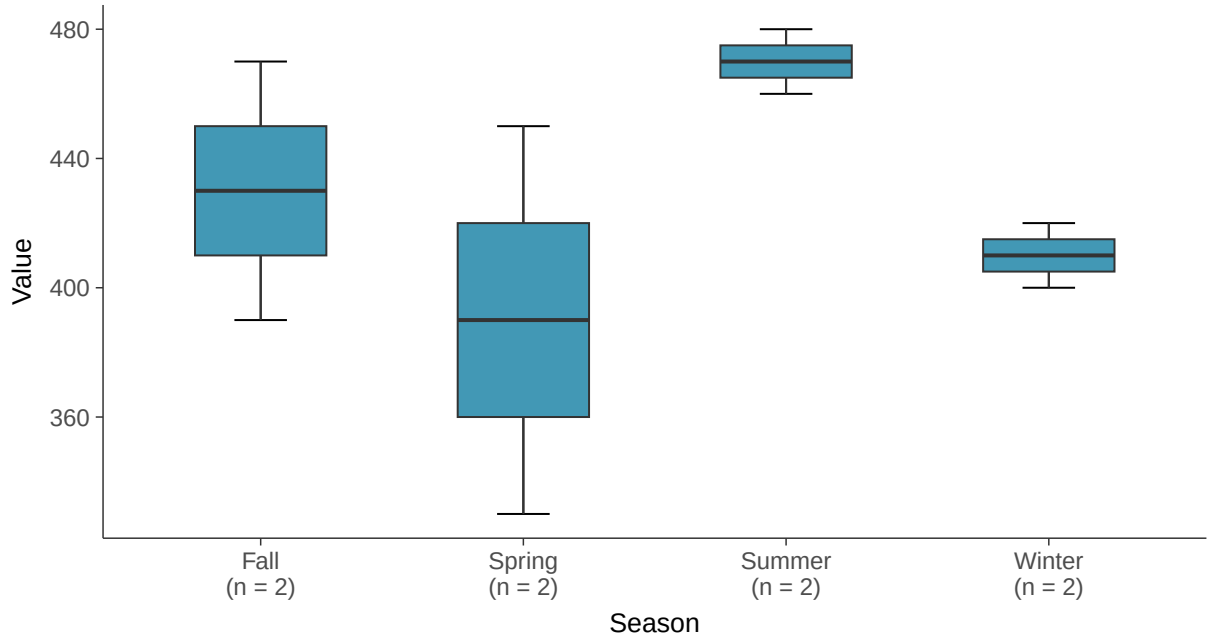
Boxplot

Total Dissolved Solids, MW-36 (mg/L)



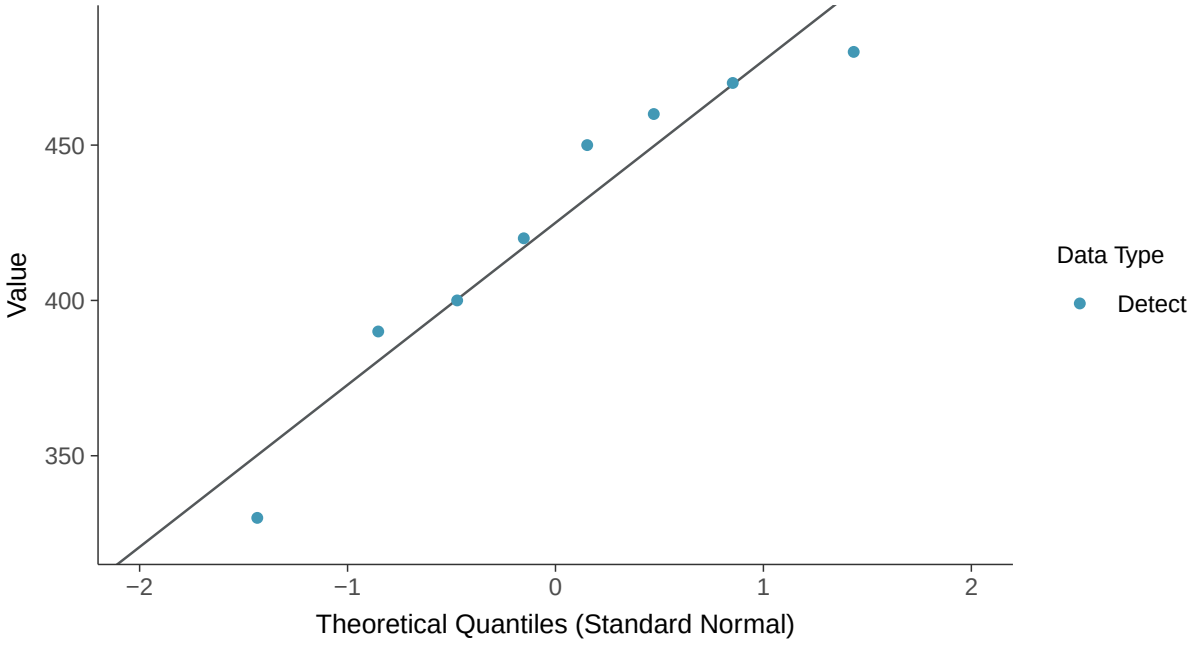
Boxplot by Season

Total Dissolved Solids, MW-36 (mg/L)



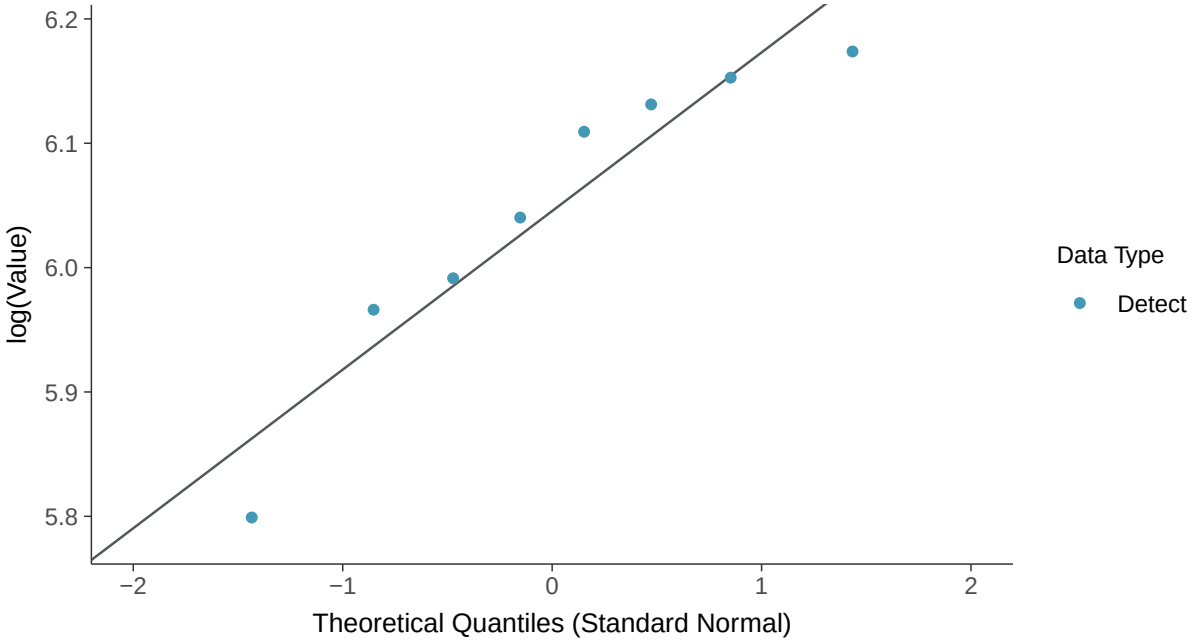
Normal Q-Q plot

Total Dissolved Solids, MW-36 (mg/L)



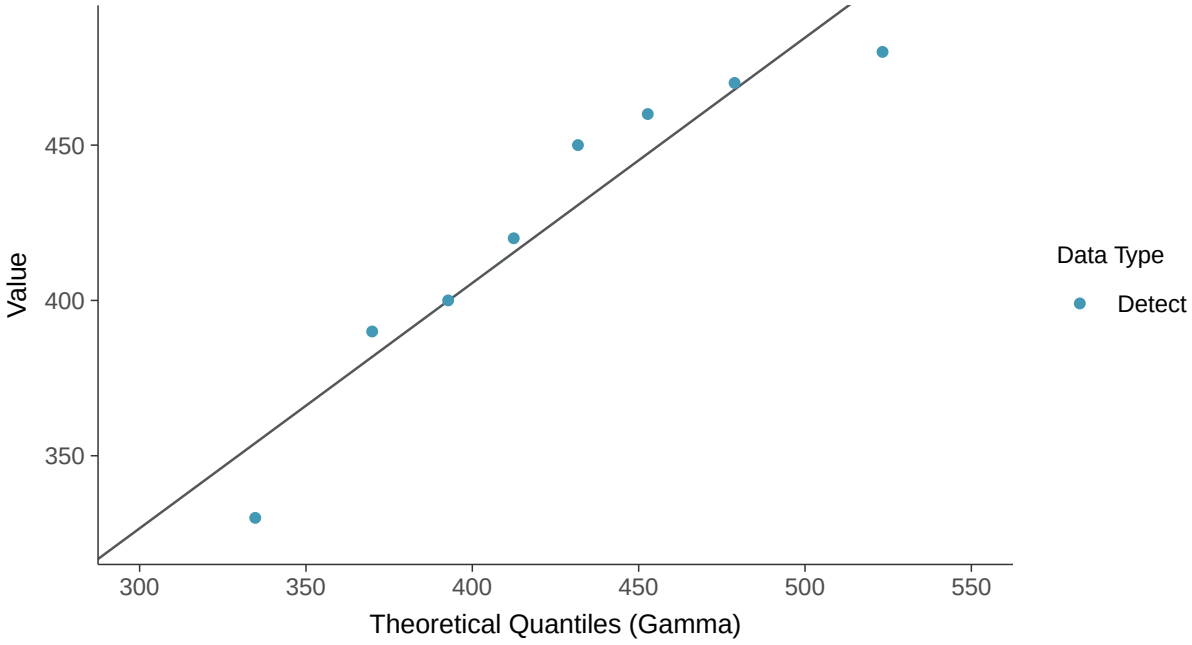
Lognormal Q-Q plot

Total Dissolved Solids, MW-36 (mg/L)



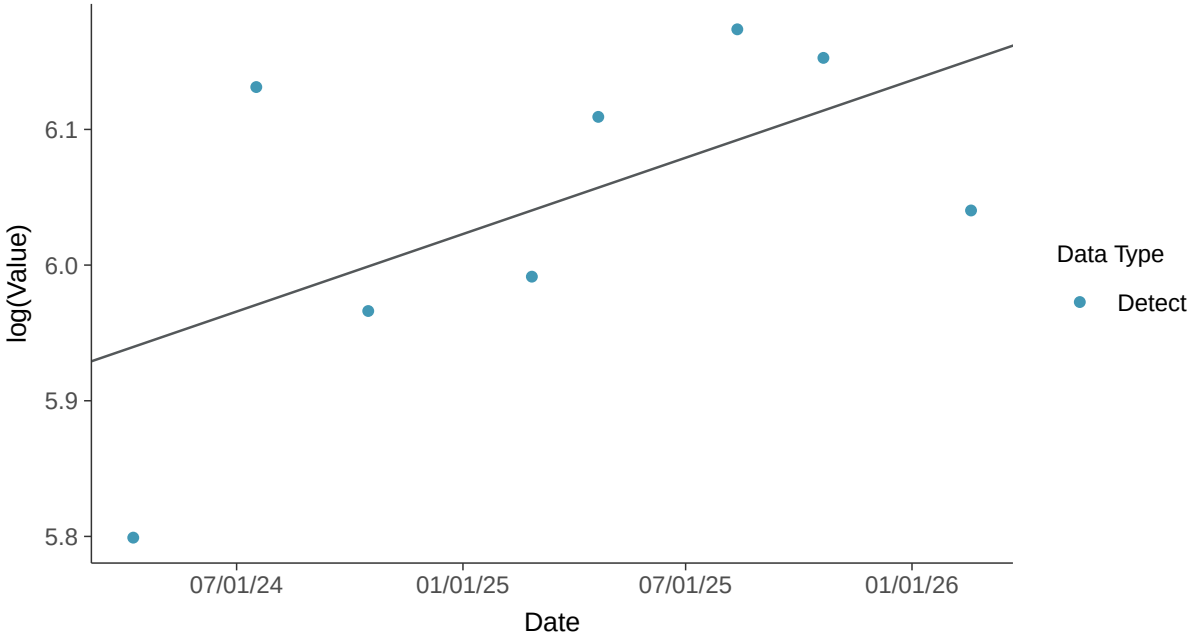
Gamma Q-Q plot

Total Dissolved Solids, MW-36 (mg/L)



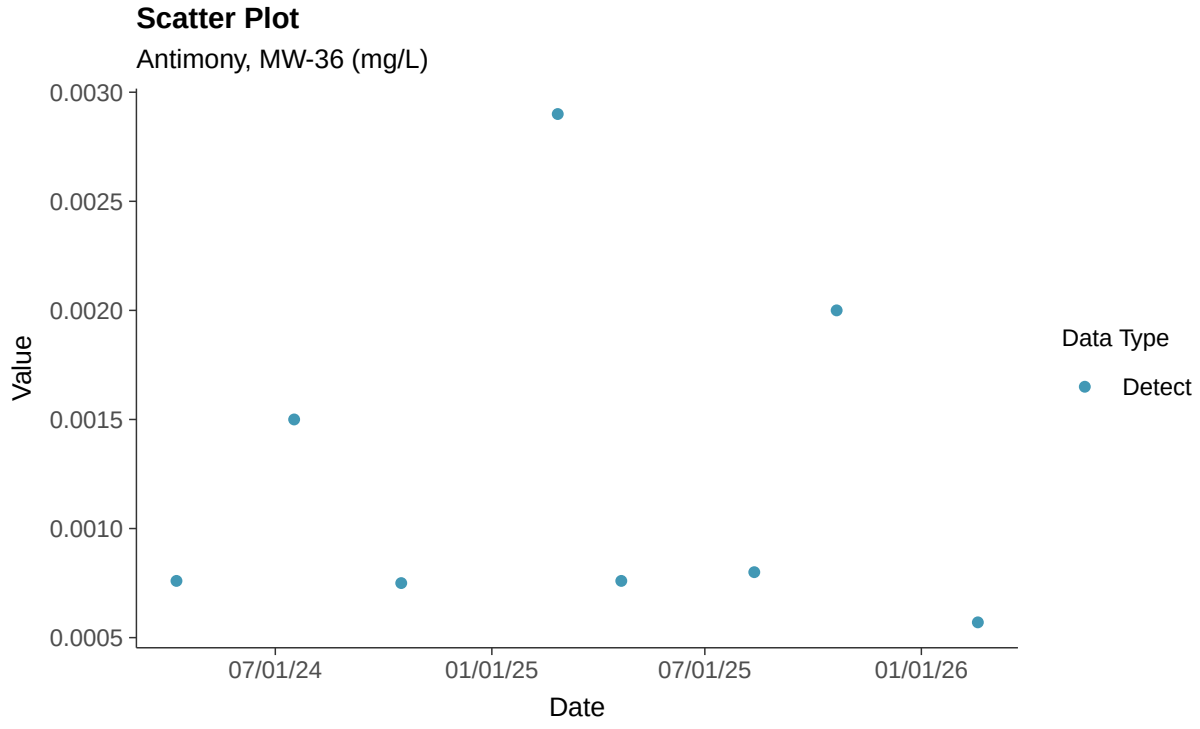
Trend Regression: Lognormal MLE

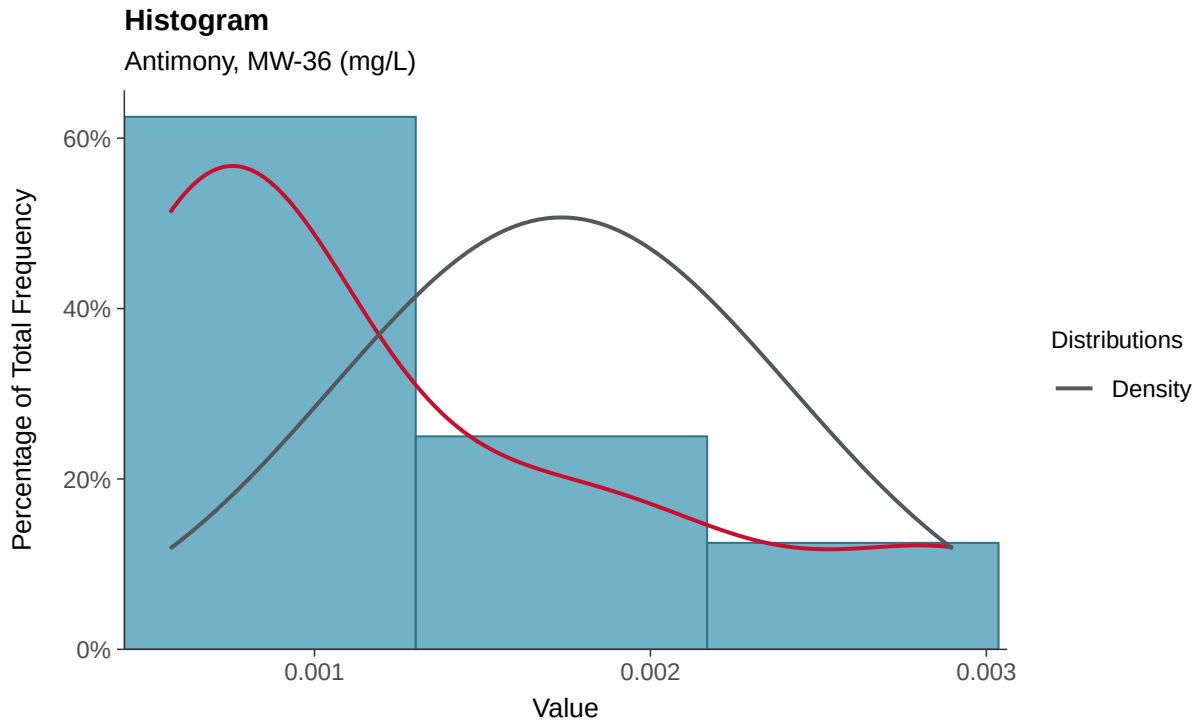
Total Dissolved Solids, MW-36 (mg/L)



Appendix IV: Antimony, MW-36

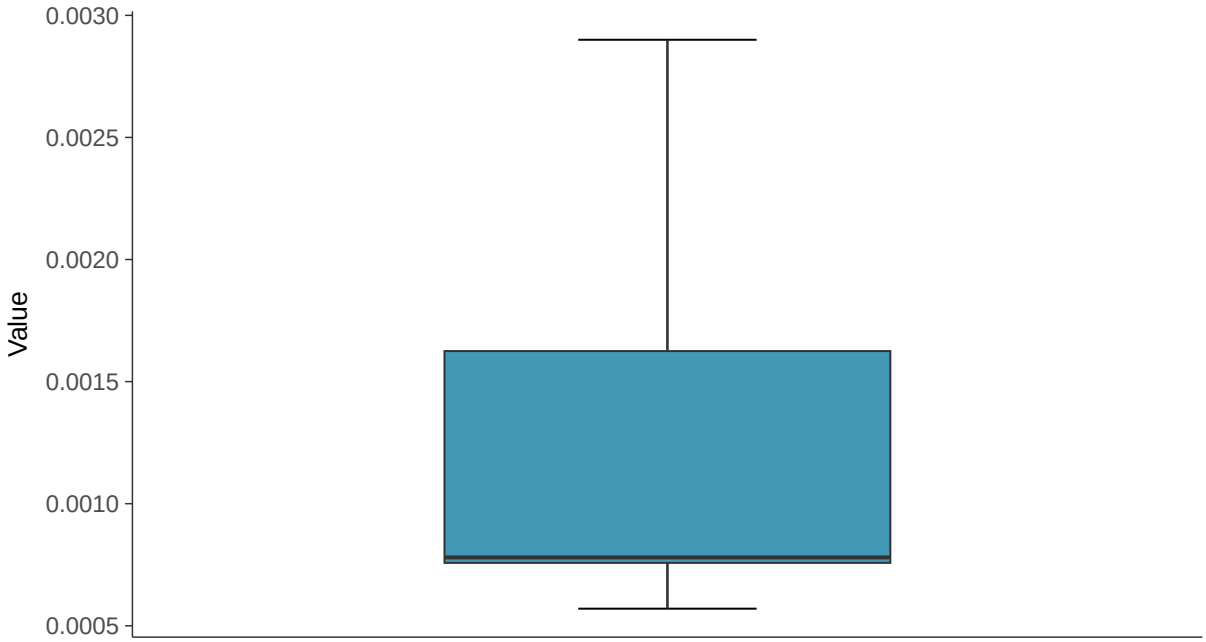
ID: 46_1_4_101





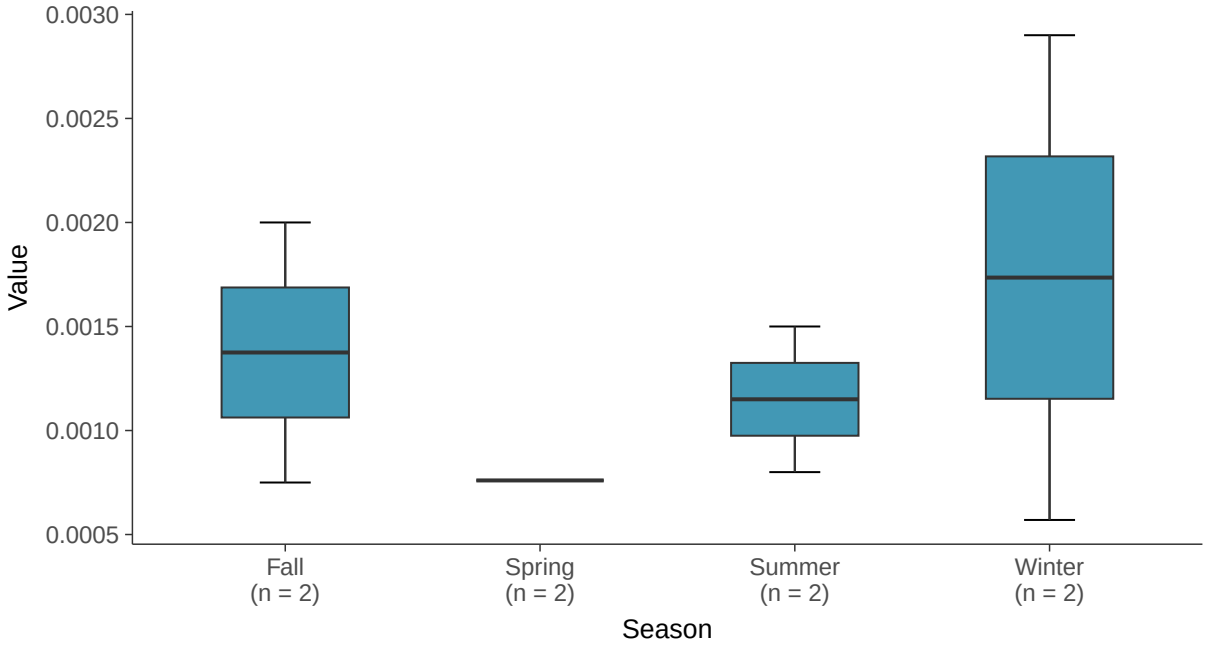
Boxplot

Antimony, MW-36 (mg/L)



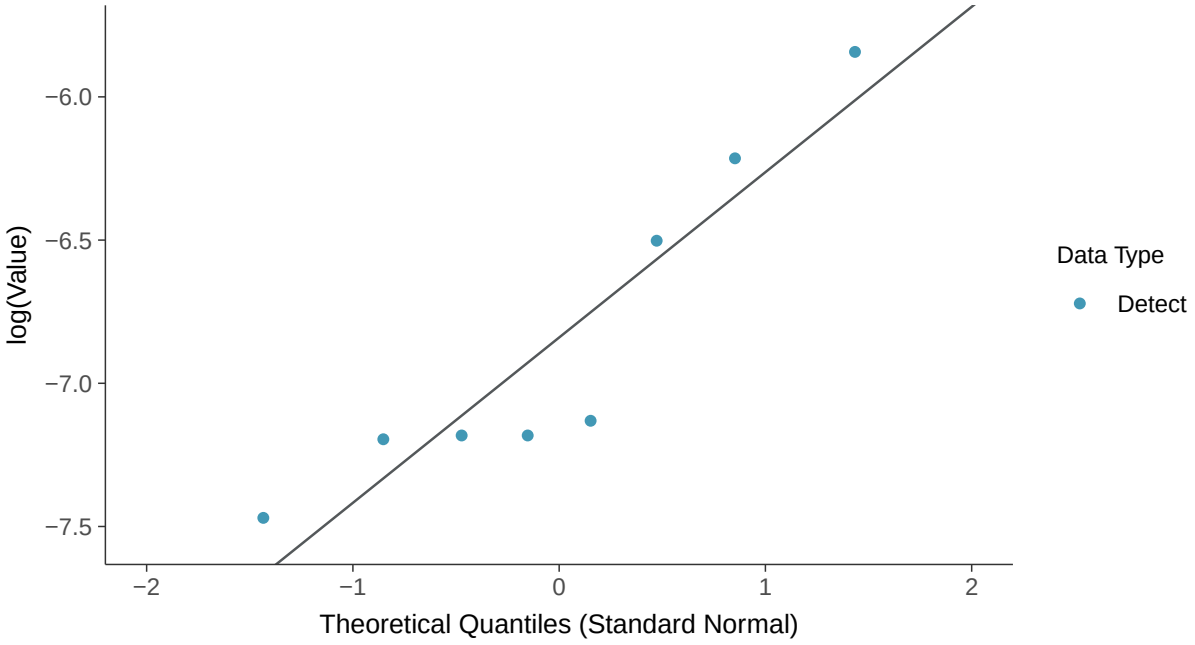
Boxplot by Season

Antimony, MW-36 (mg/L)



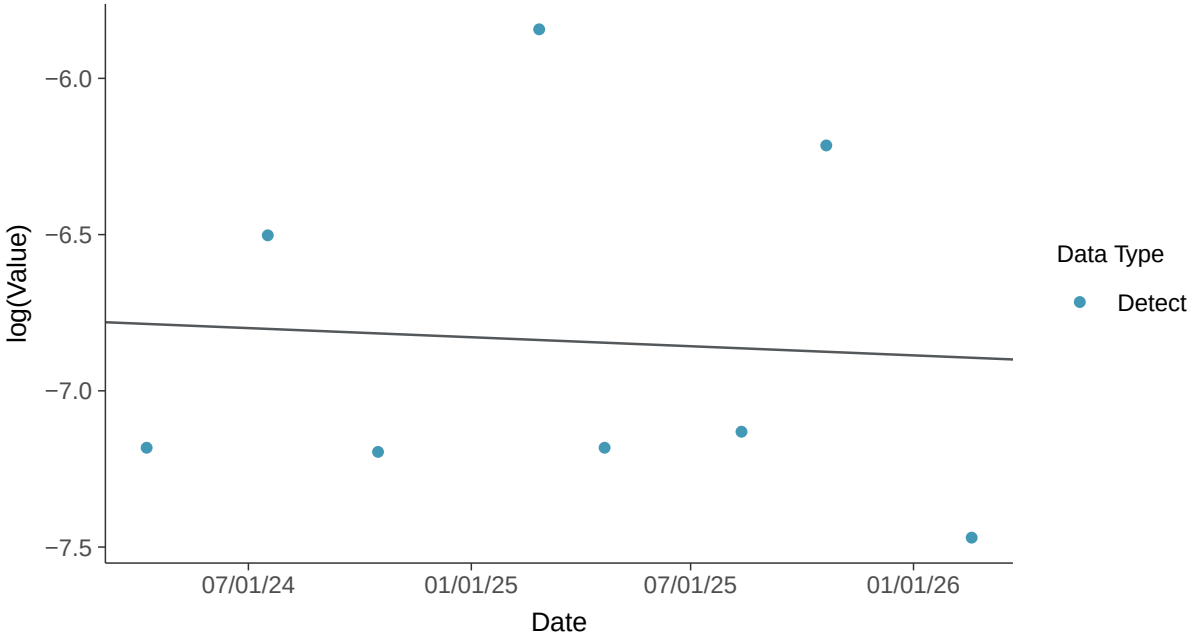
Lognormal Q-Q plot

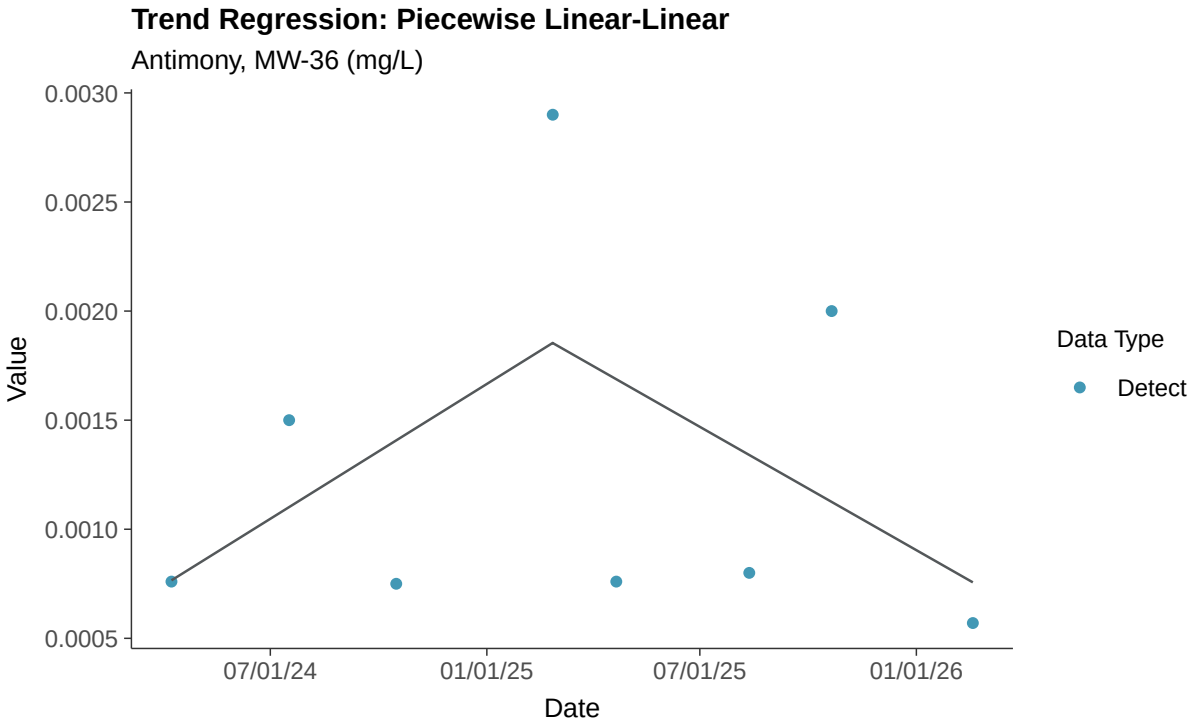
Antimony, MW-36 (mg/L)



Trend Regression: Lognormal MLE

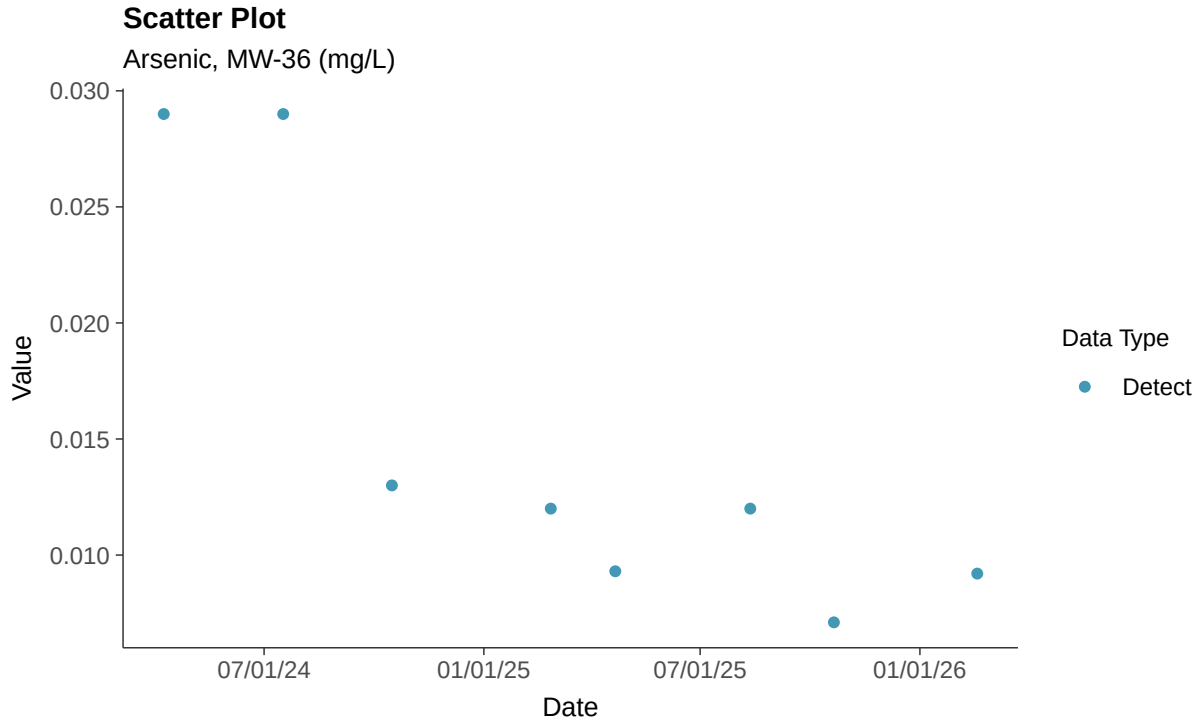
Antimony, MW-36 (mg/L)

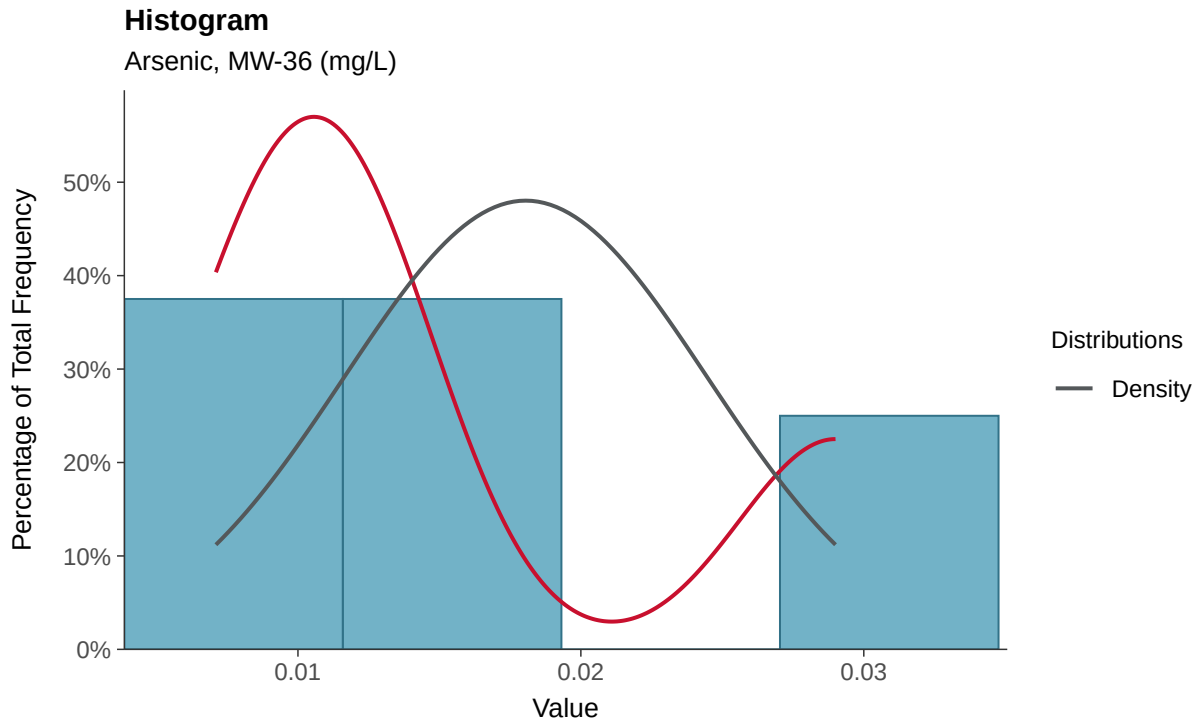



Trend Regression: Piecewise Linear-Linear
Antimony, MW-36 (mg/L)
0.0030
0.0025
0.0020
0.0015
0.0010
0.0005
Value
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Arsenic, MW-36

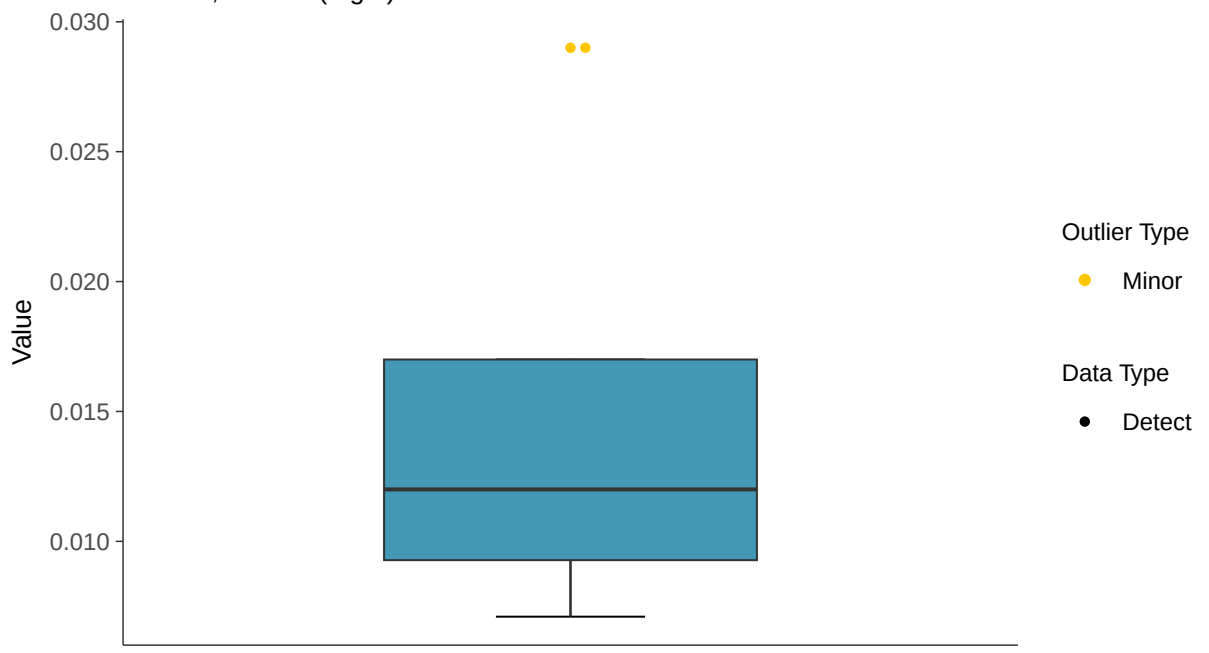
ID: 46_1_4_102





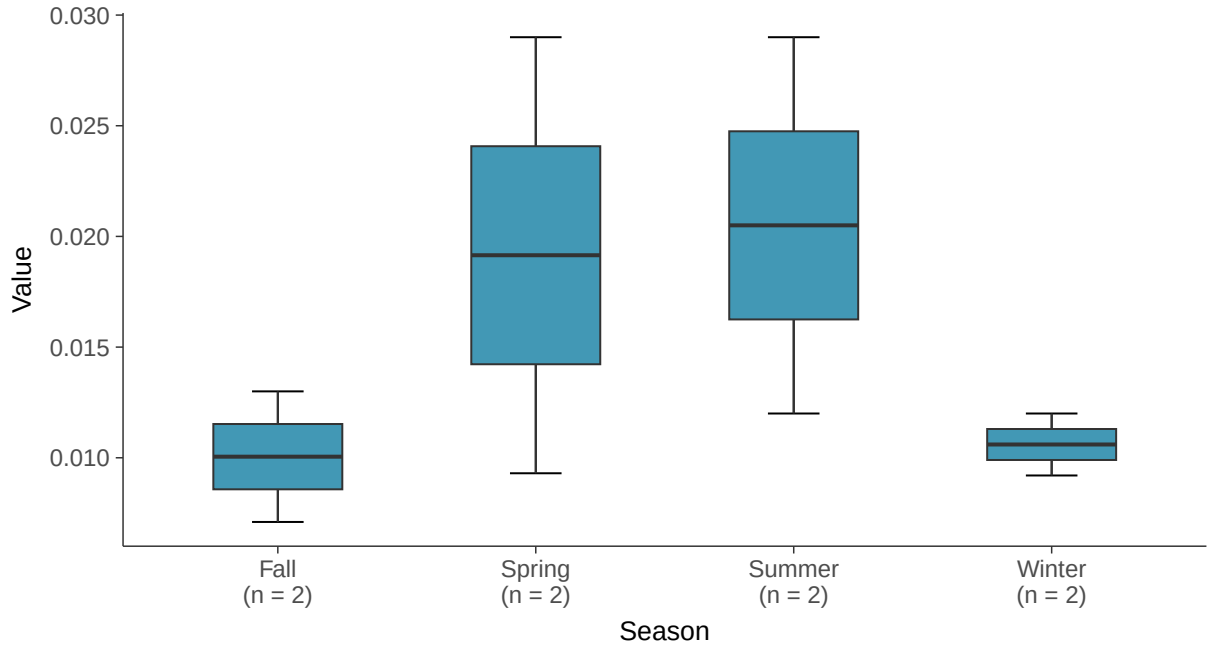
Boxplot

Arsenic, MW-36 (mg/L)



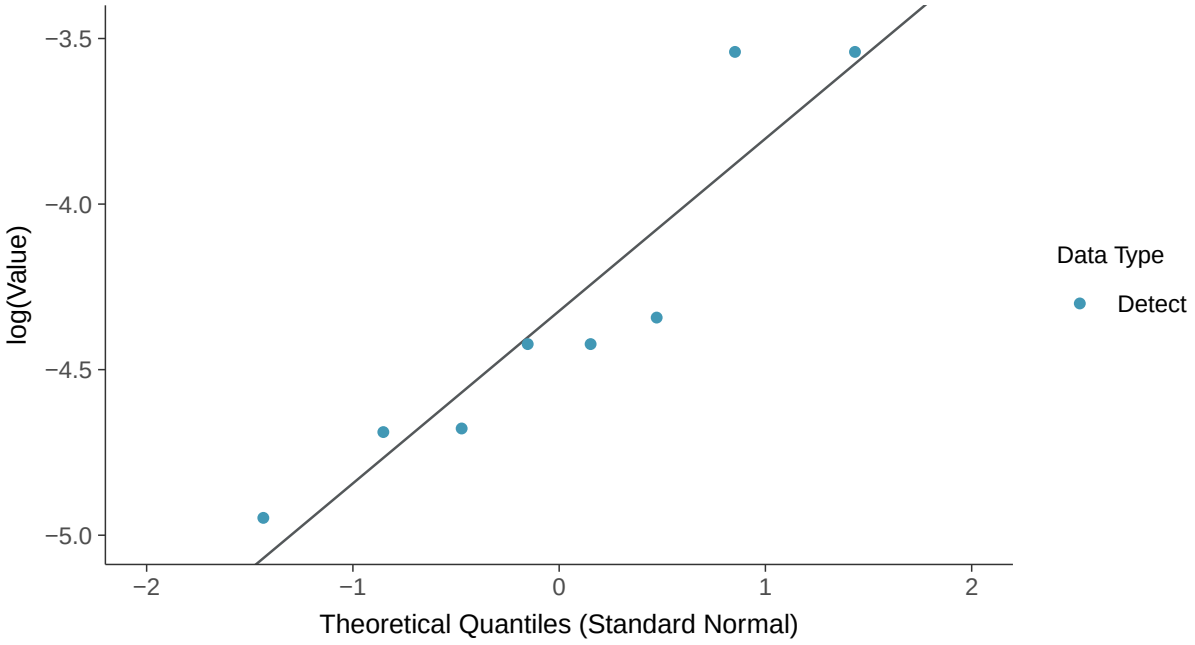
Boxplot by Season

Arsenic, MW-36 (mg/L)



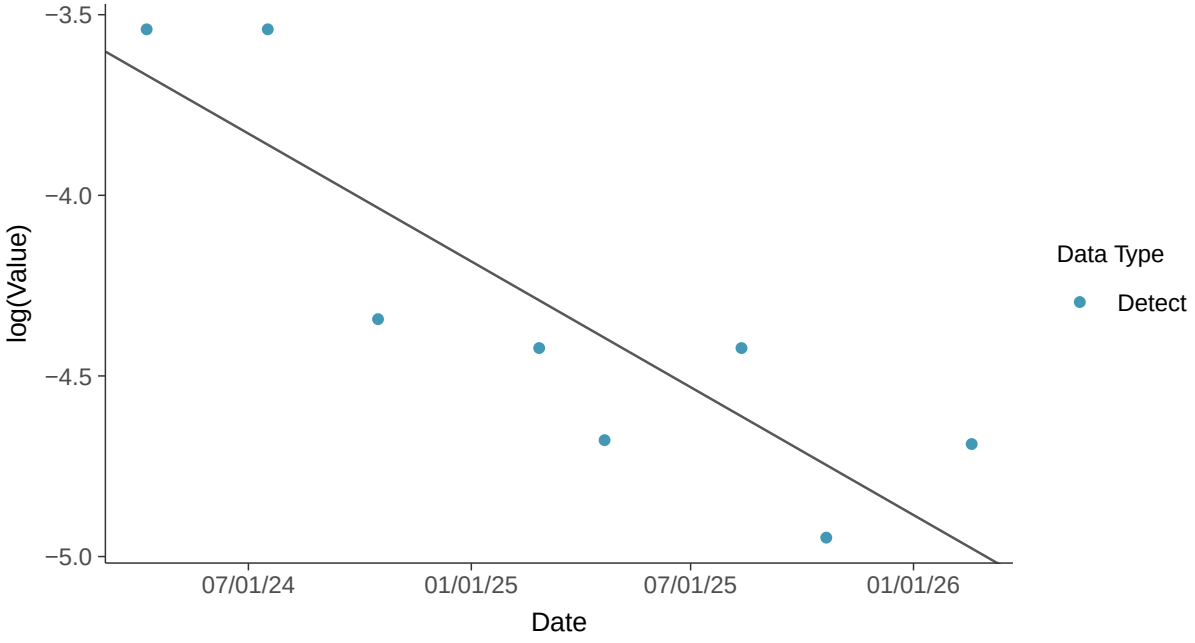
Lognormal Q-Q plot

Arsenic, MW-36 (mg/L)



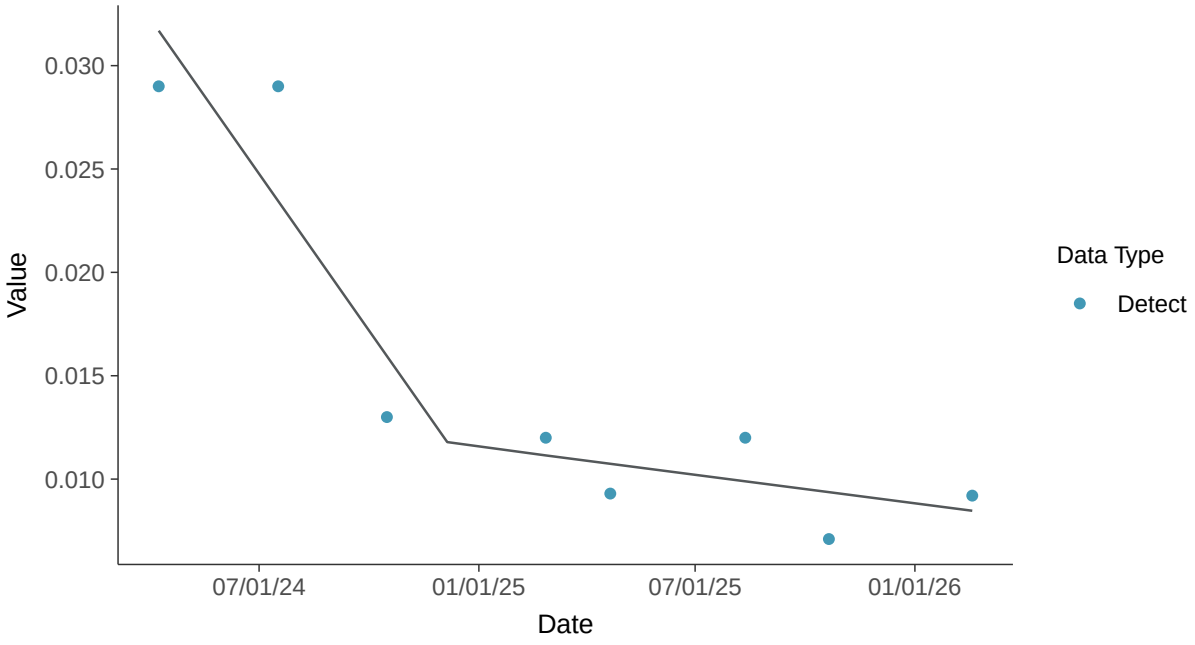
Trend Regression: Lognormal MLE

Arsenic, MW-36 (mg/L)



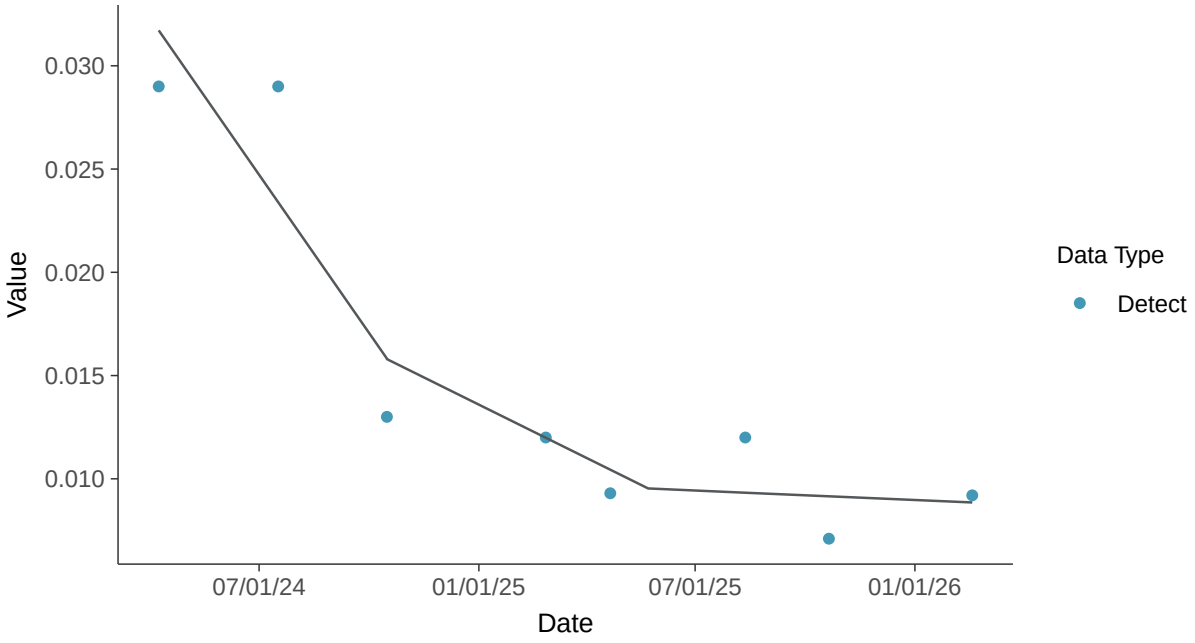
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-36 (mg/L)



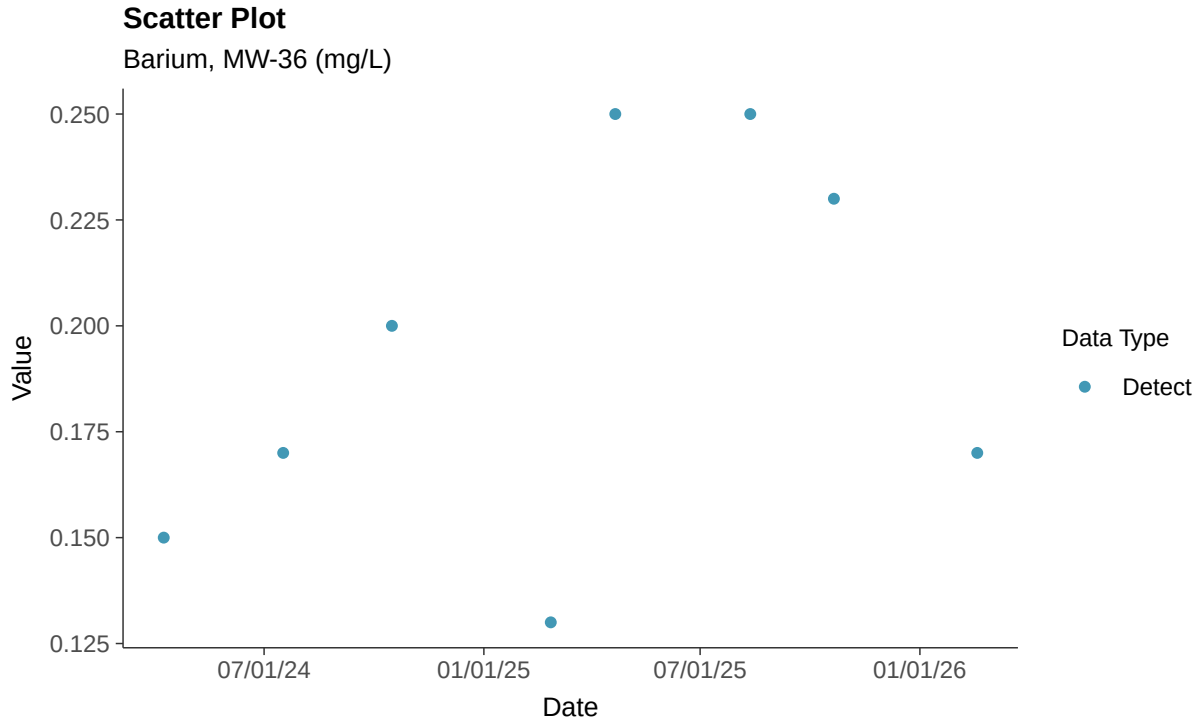
Trend Regression: Piecewise Linear-Linear-Linear

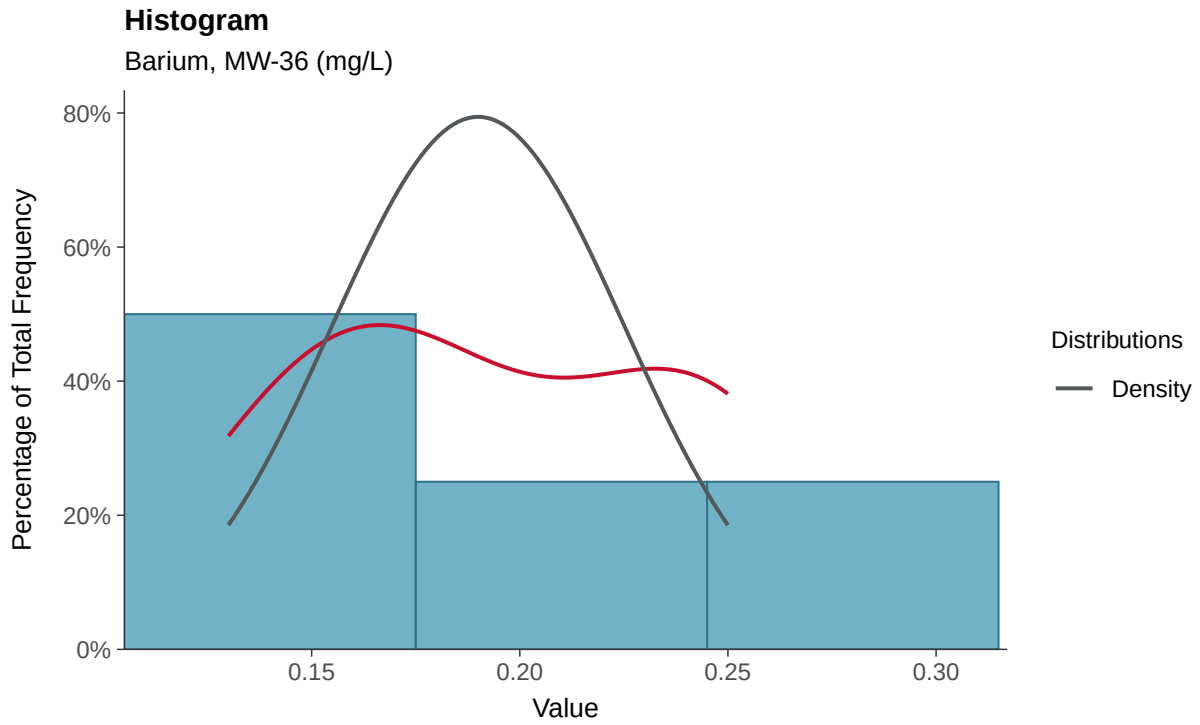
Arsenic, MW-36 (mg/L)



Appendix IV: Barium, MW-36

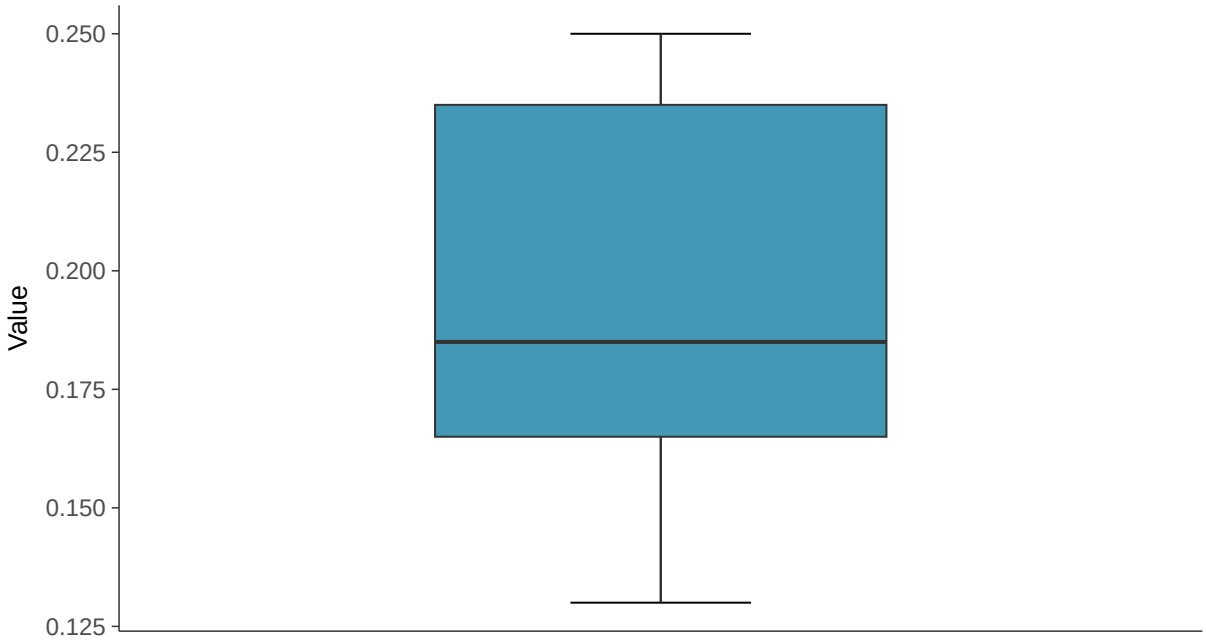
ID: 46_1_4_103





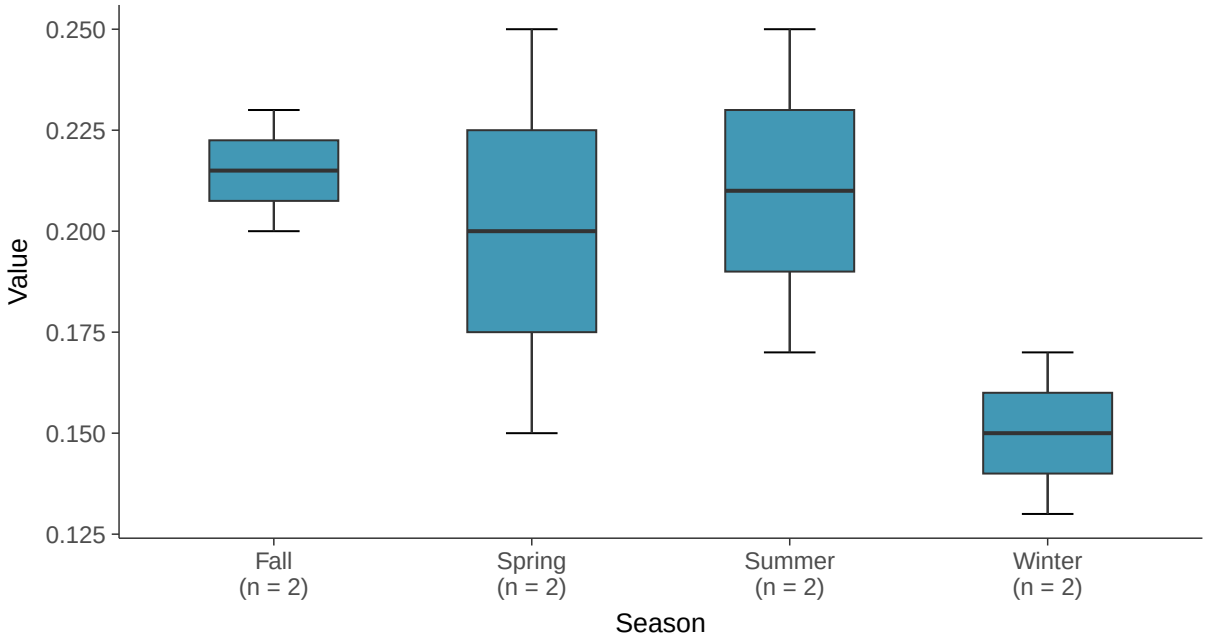
Boxplot

Barium, MW-36 (mg/L)



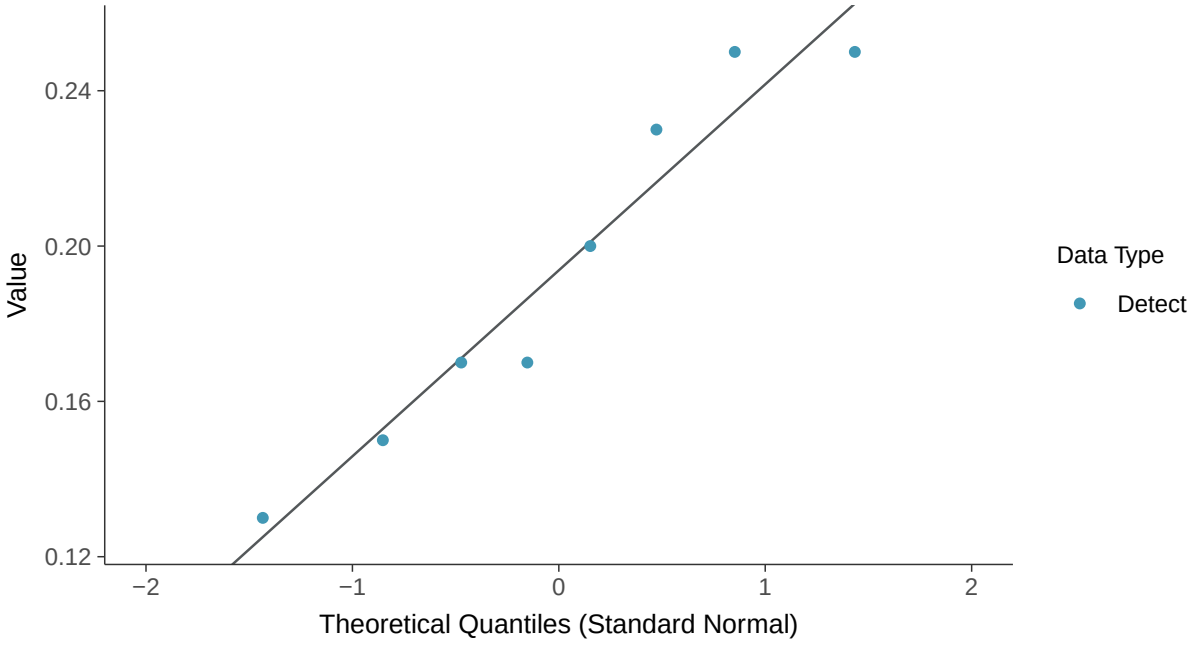
Boxplot by Season

Barium, MW-36 (mg/L)



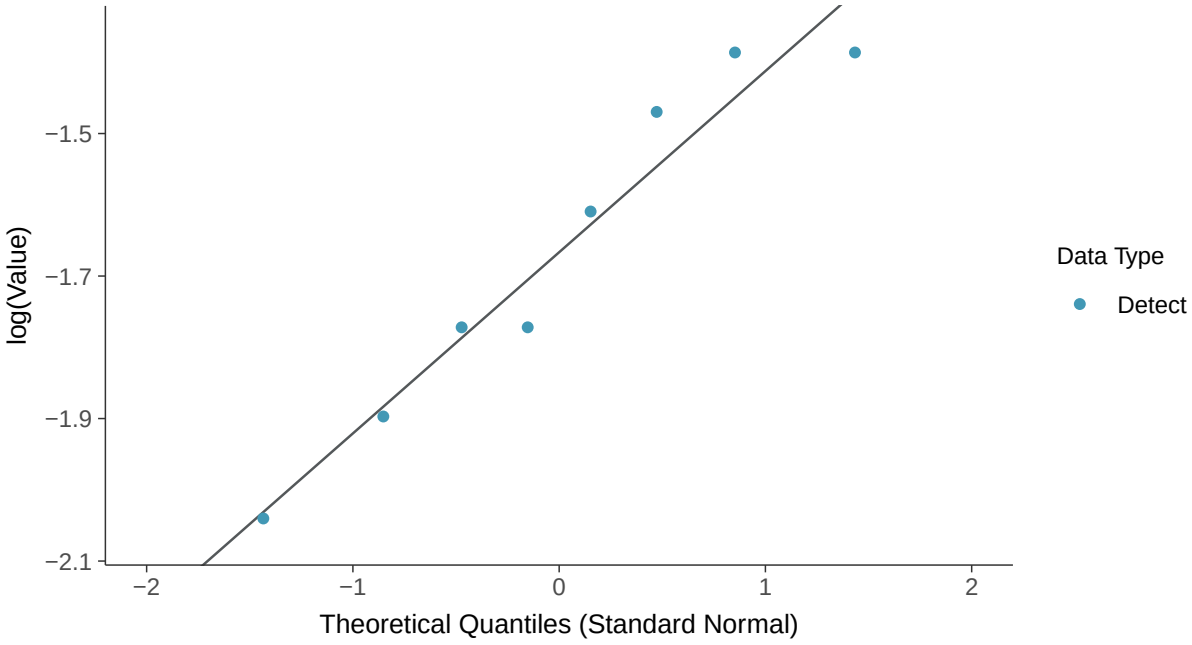
Normal Q-Q plot

Barium, MW-36 (mg/L)



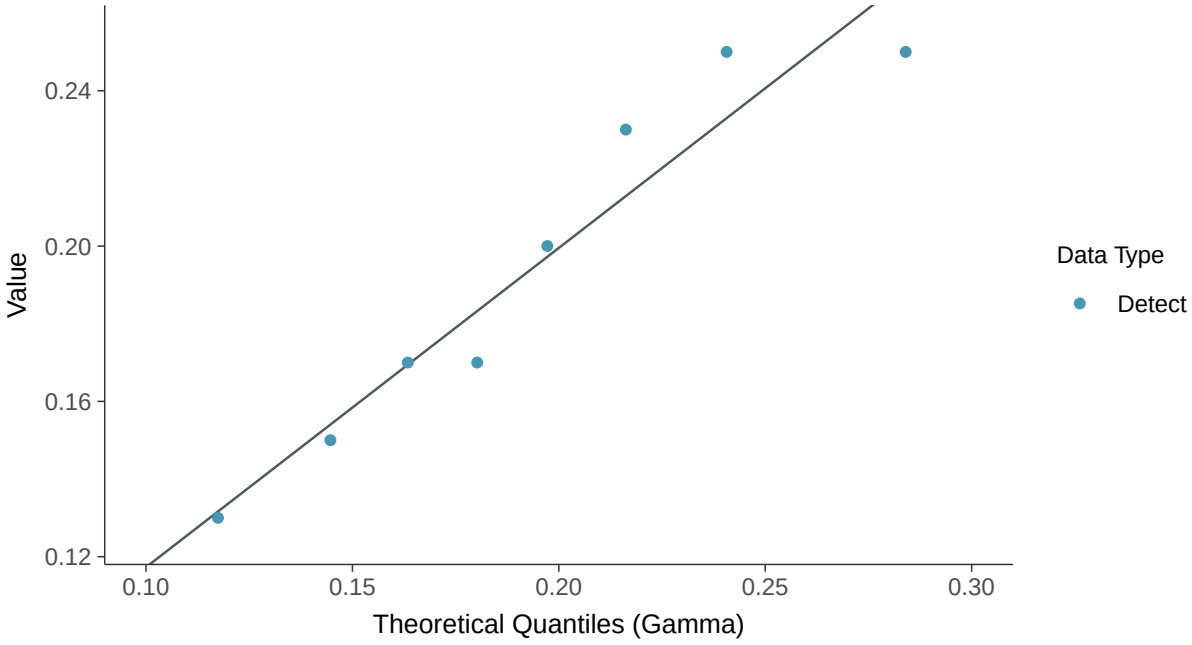
Lognormal Q-Q plot

Barium, MW-36 (mg/L)



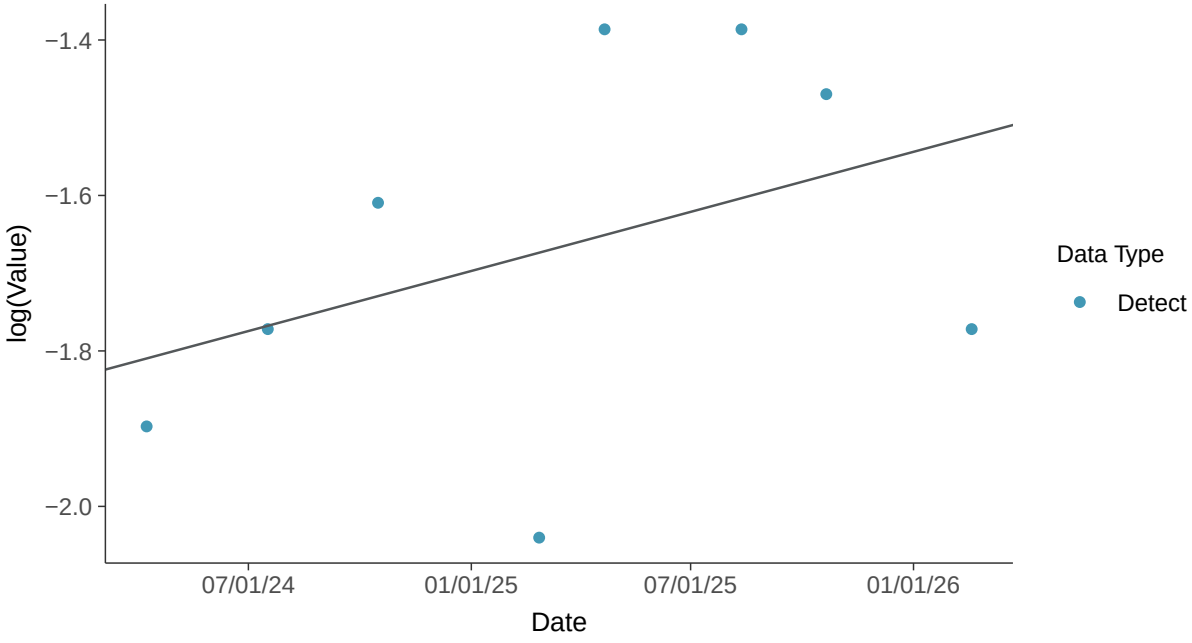
Gamma Q-Q plot

Barium, MW-36 (mg/L)



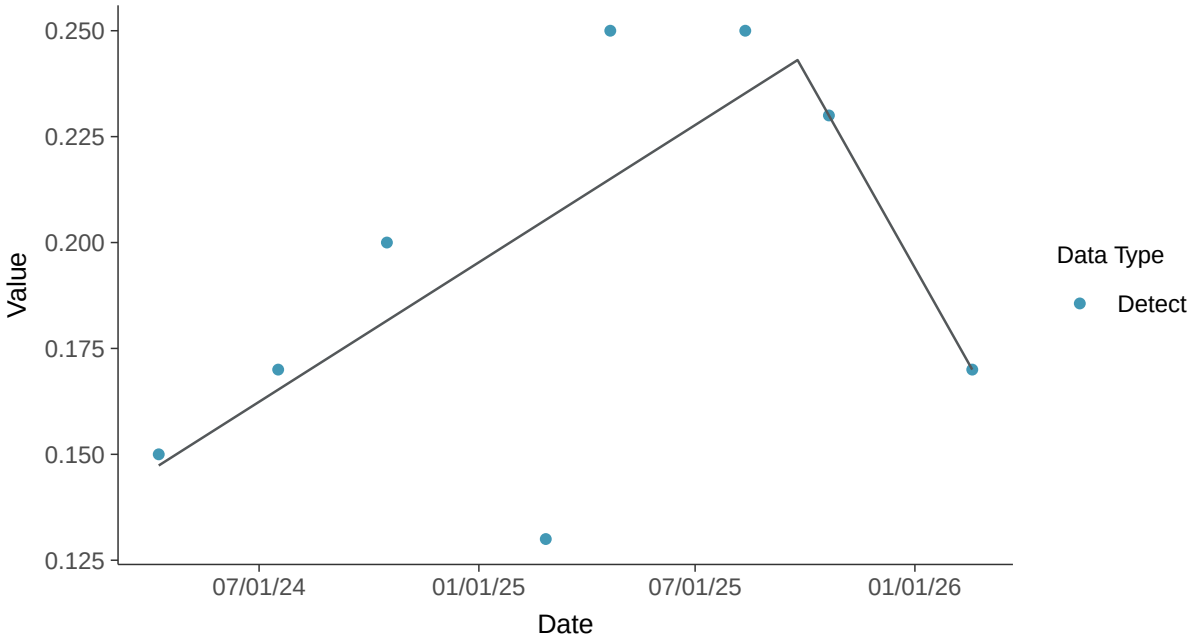
Trend Regression: Lognormal MLE

Barium, MW-36 (mg/L)



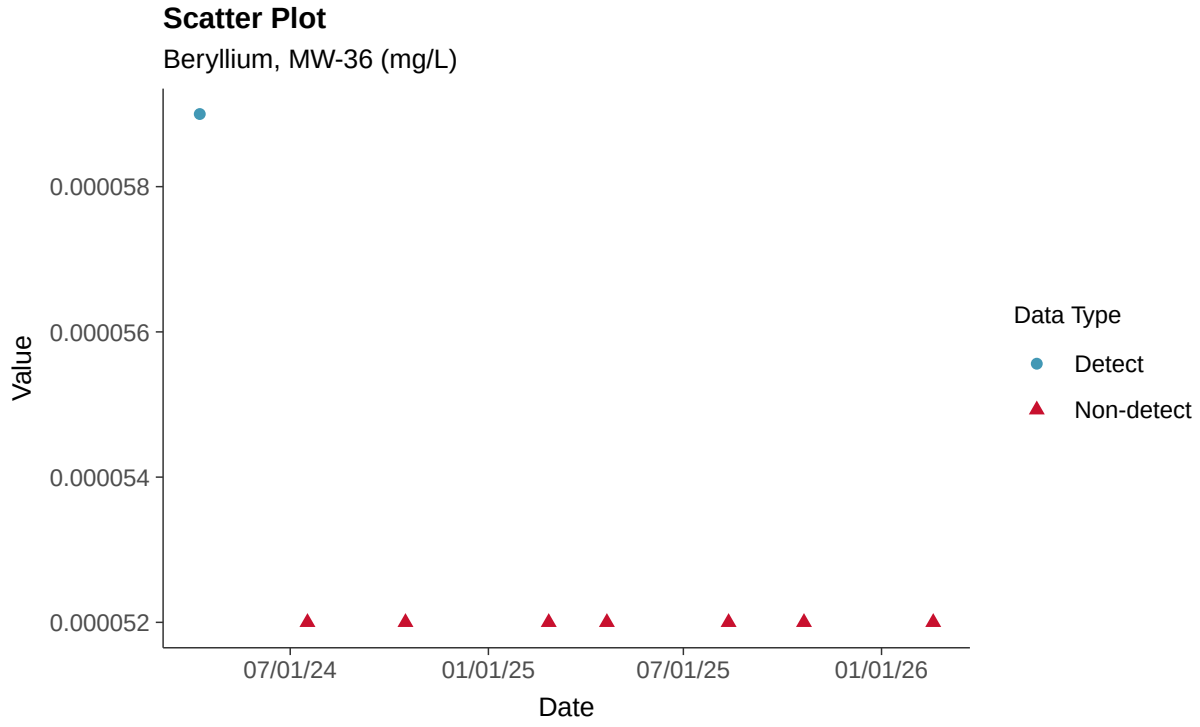
Trend Regression: Piecewise Linear-Linear

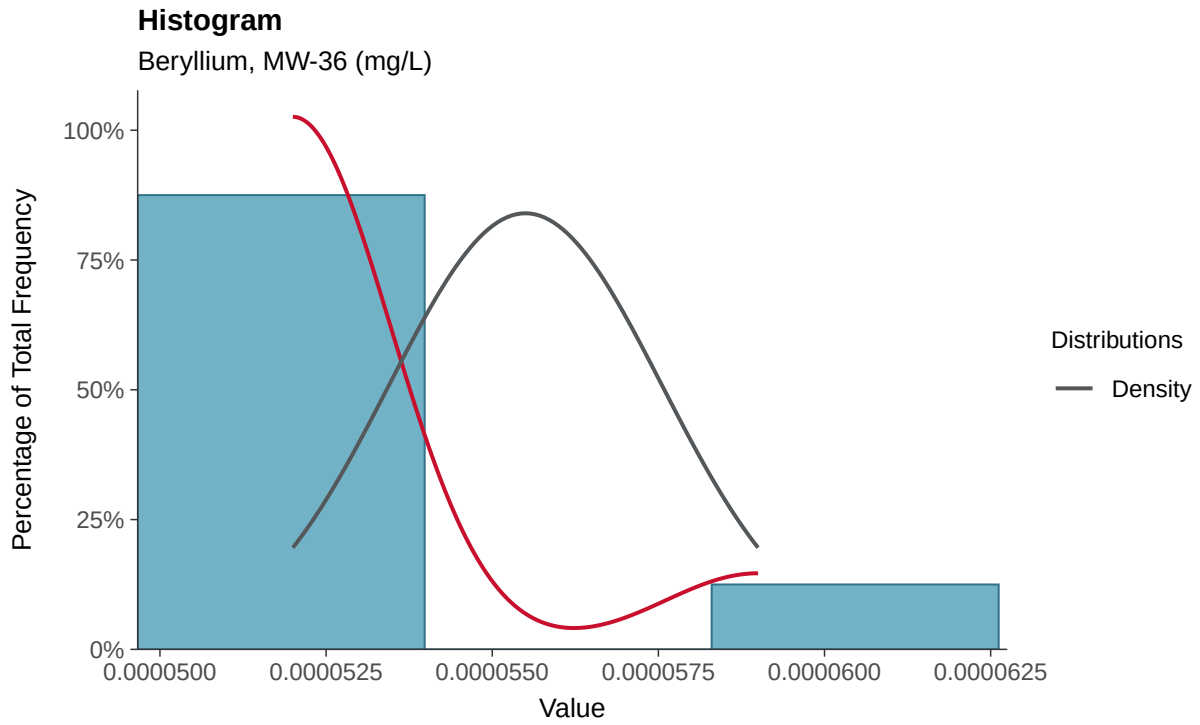
Barium, MW-36 (mg/L)



Appendix IV: Beryllium, MW-36

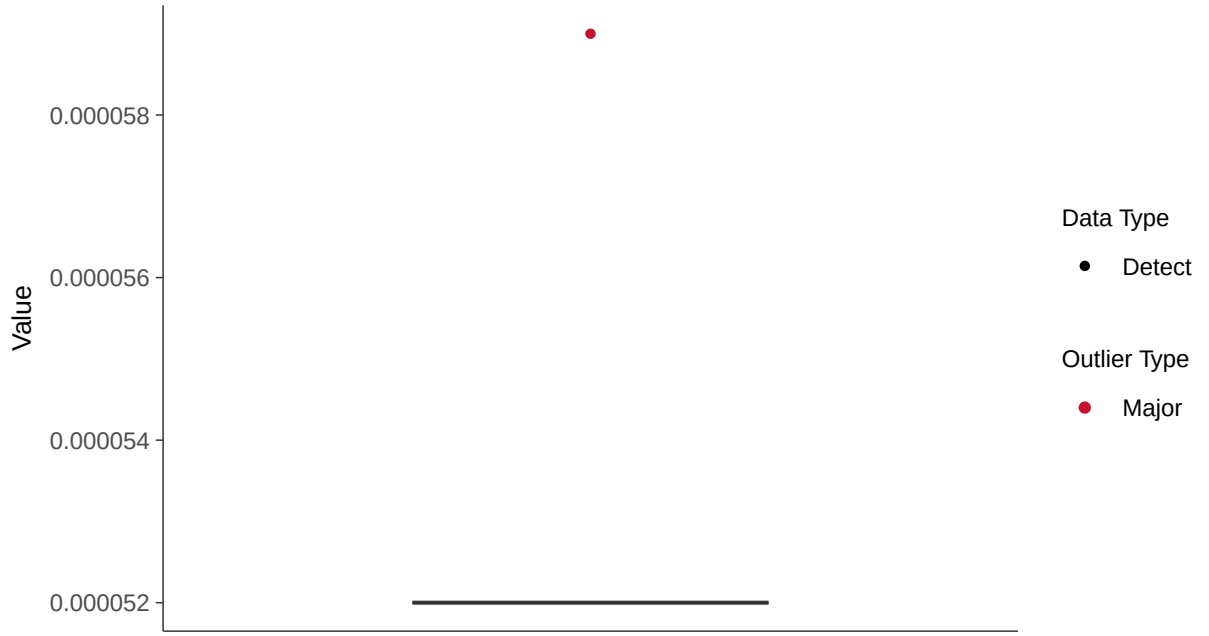
ID: 46_1_4_104





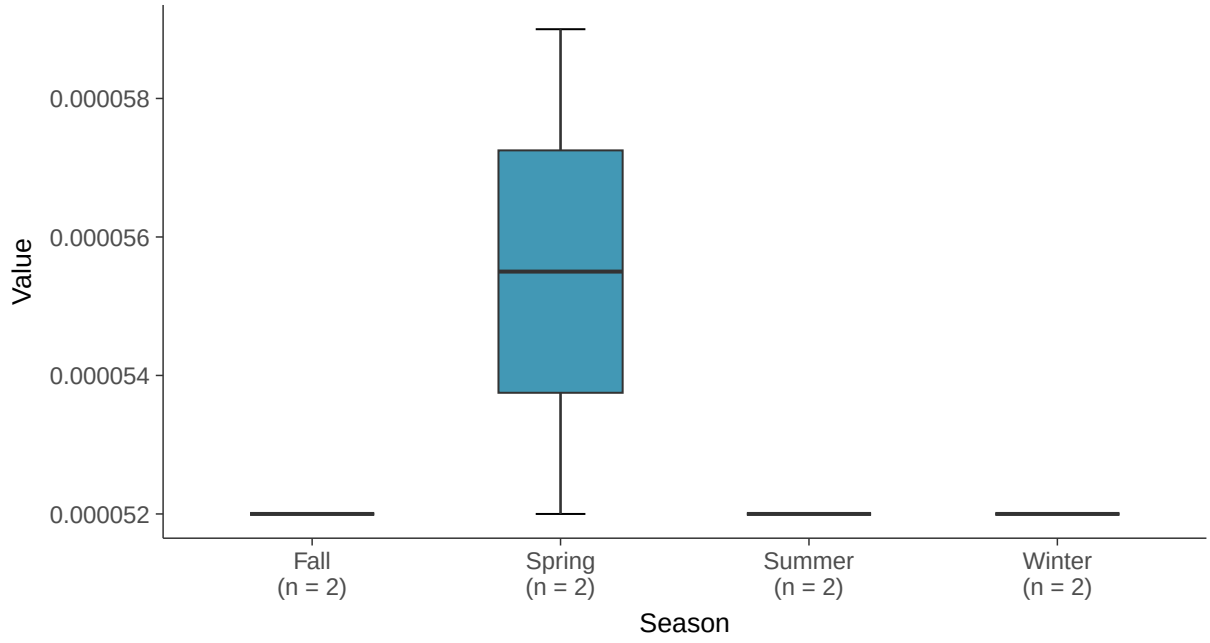
Boxplot

Beryllium, MW-36 (mg/L)



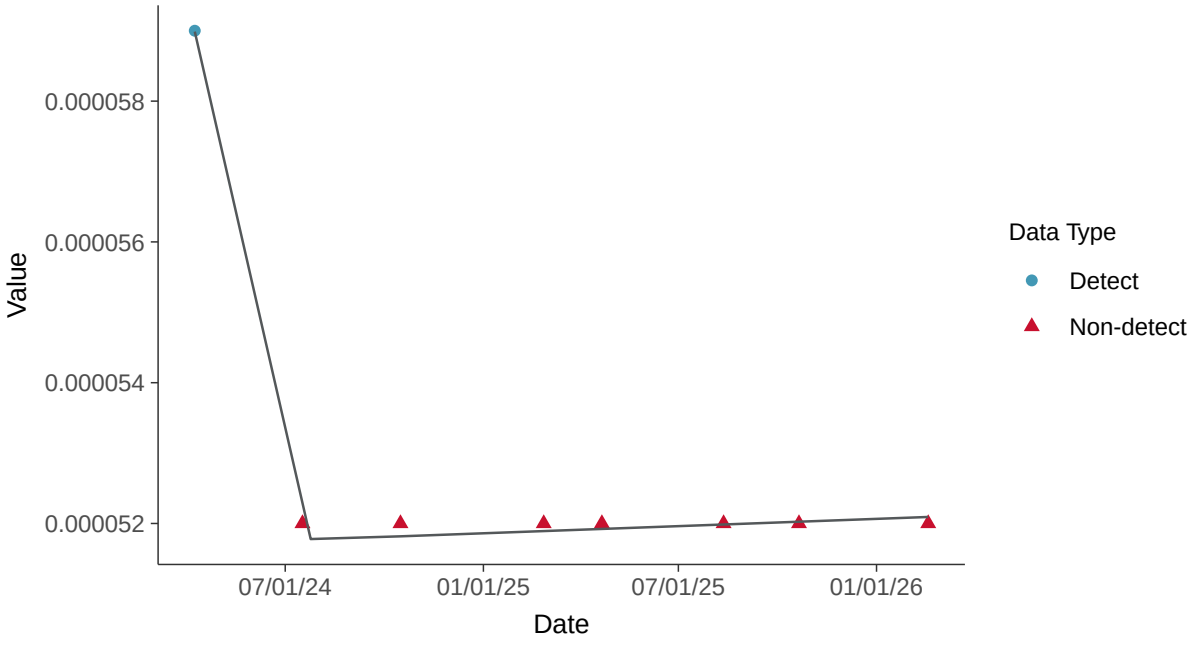
Boxplot by Season

Beryllium, MW-36 (mg/L)



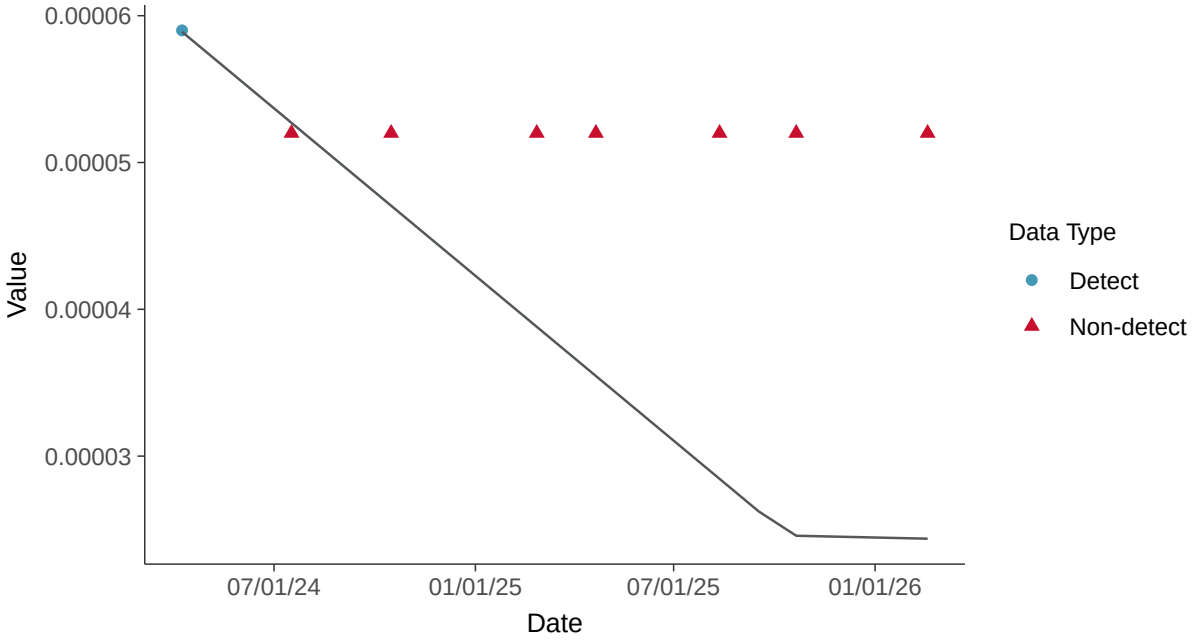
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-36 (mg/L)



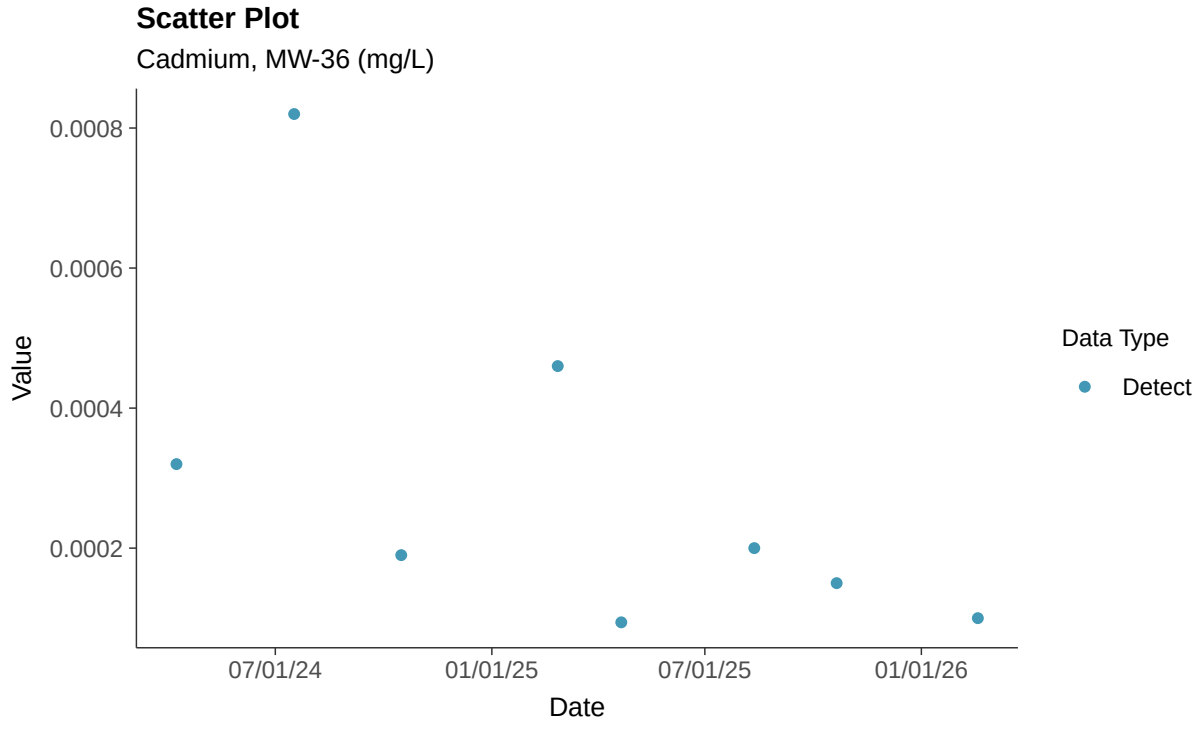
Trend Regression: Piecewise Linear-Linear-Linear

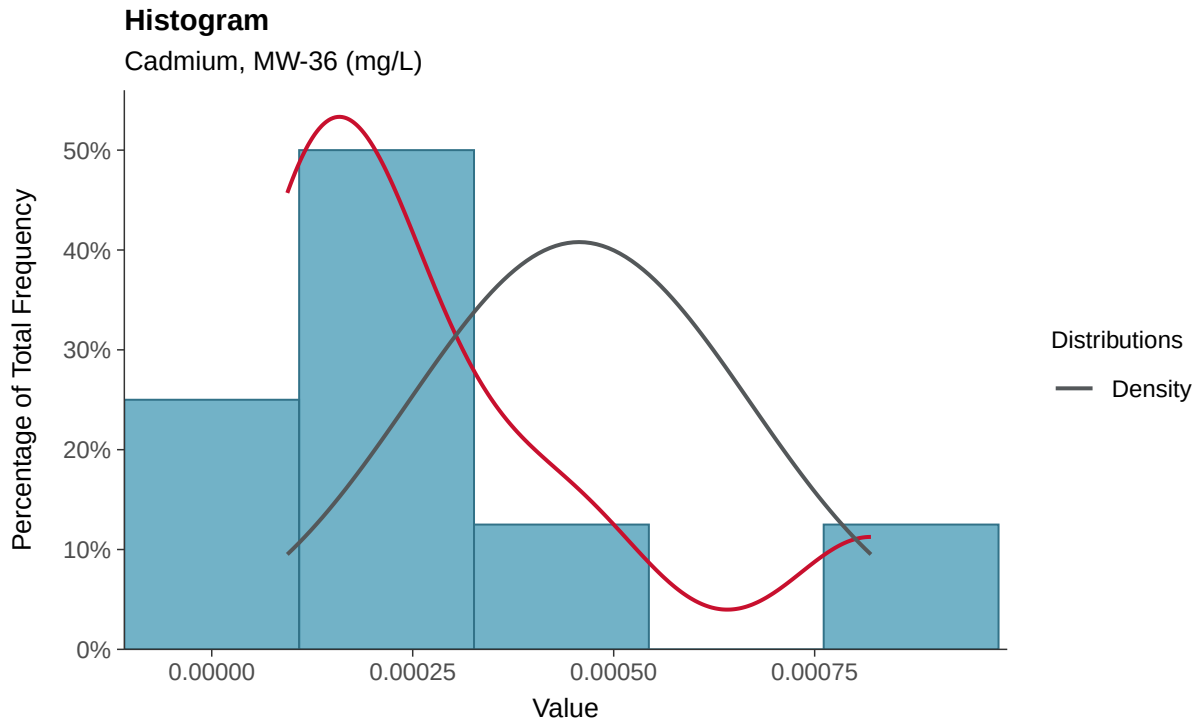
Beryllium, MW-36 (mg/L)



Appendix IV: Cadmium, MW-36

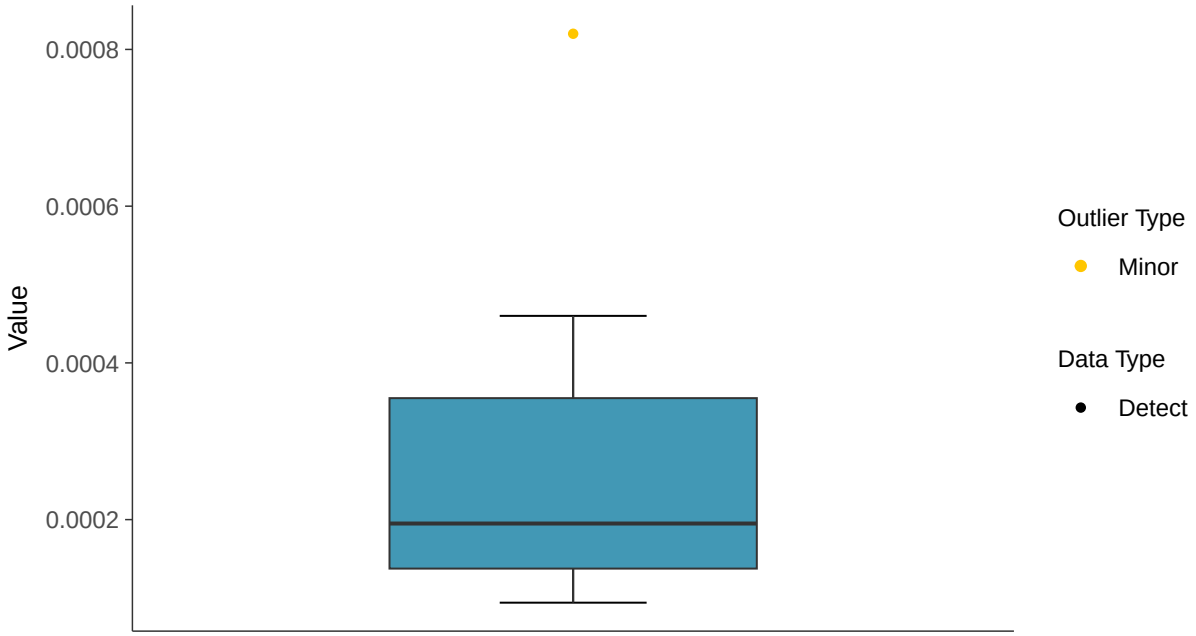
ID: 46_1_4_106





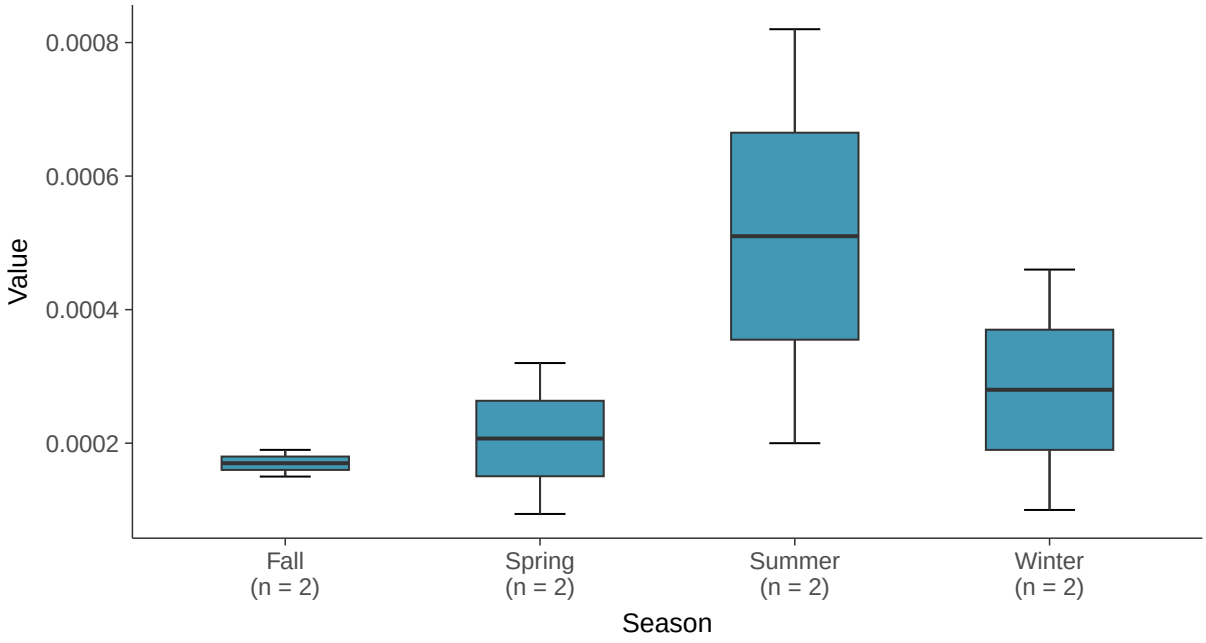
Boxplot

Cadmium, MW-36 (mg/L)



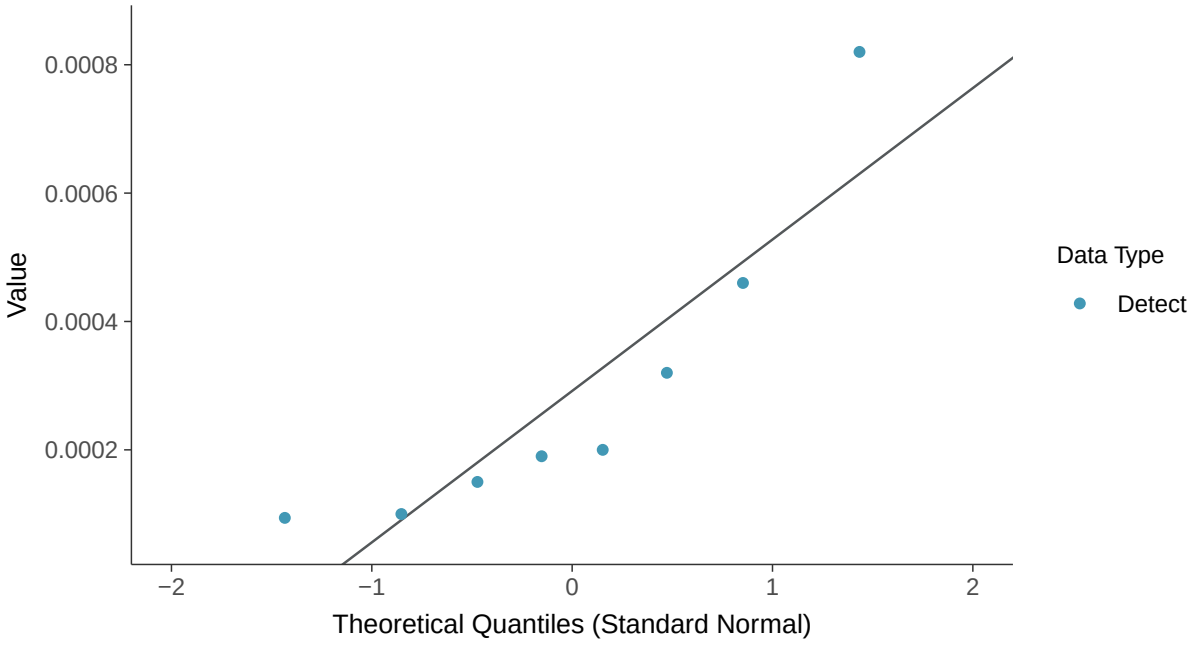
Boxplot by Season

Cadmium, MW-36 (mg/L)



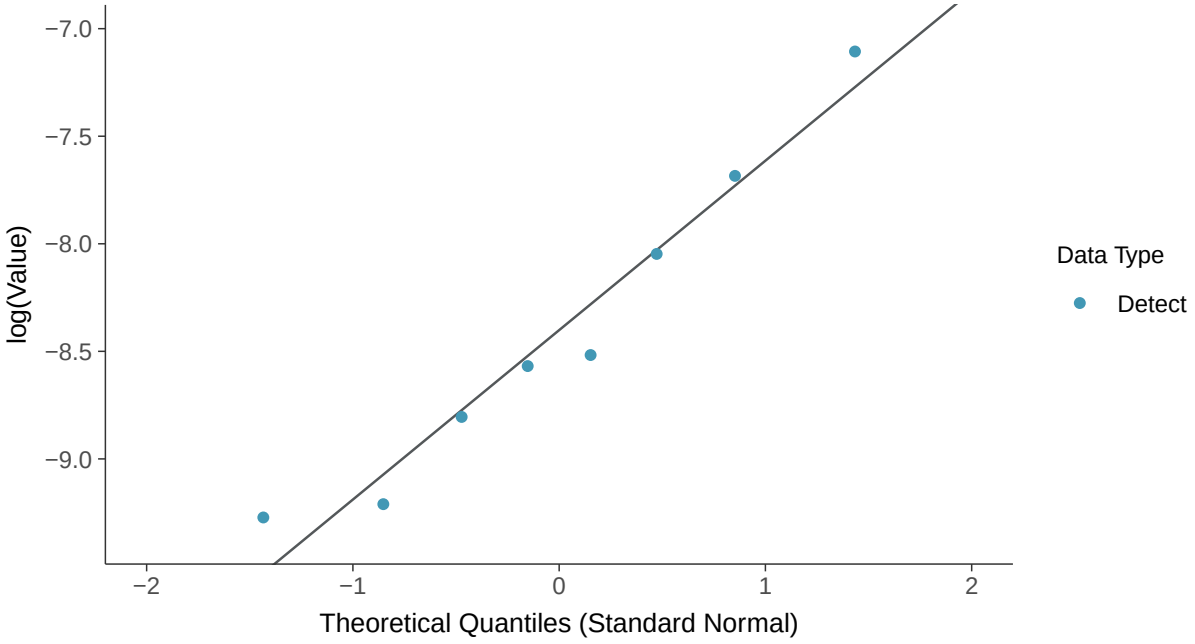
Normal Q-Q plot

Cadmium, MW-36 (mg/L)



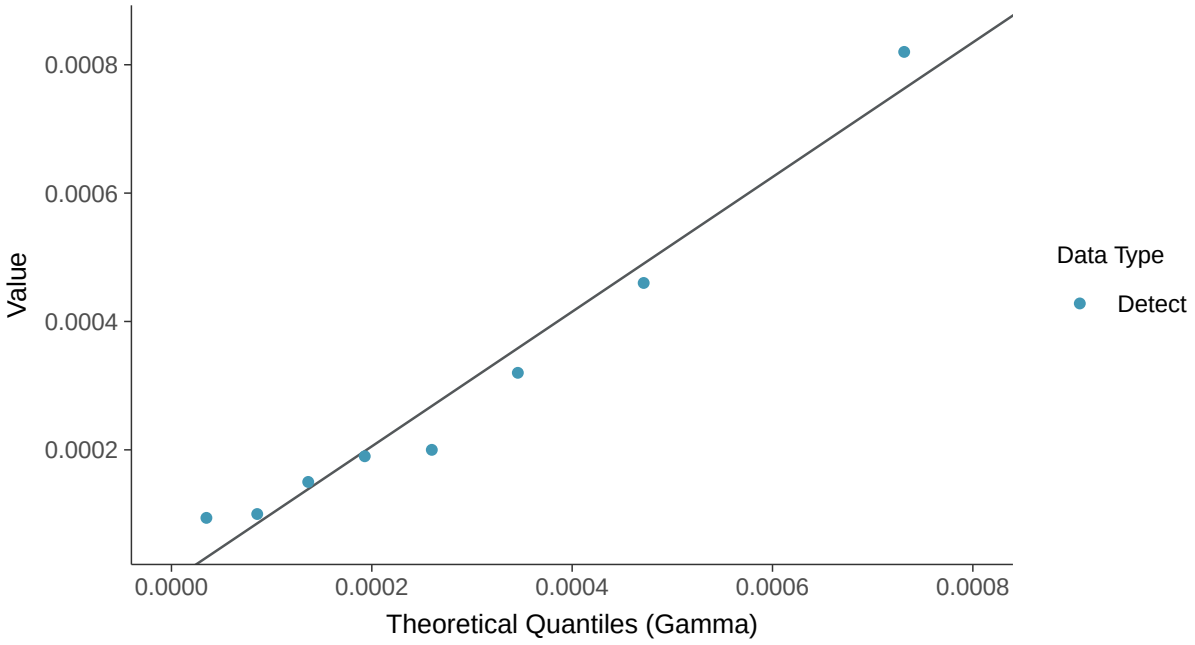
Lognormal Q-Q plot

Cadmium, MW-36 (mg/L)



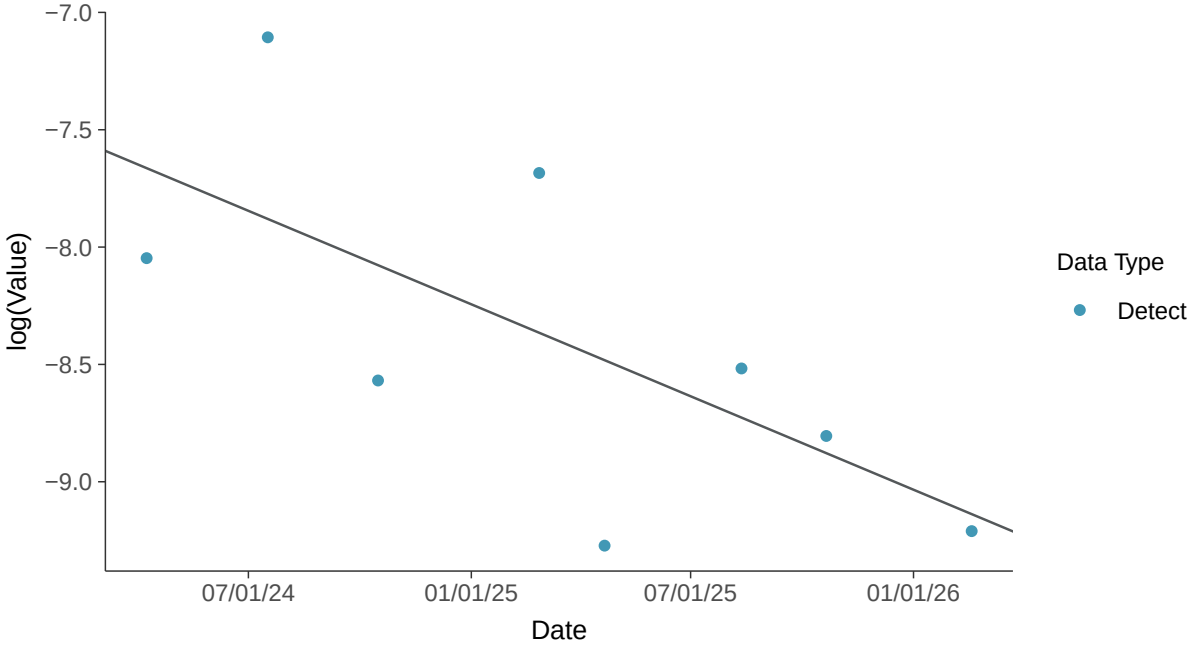
Gamma Q-Q plot

Cadmium, MW-36 (mg/L)



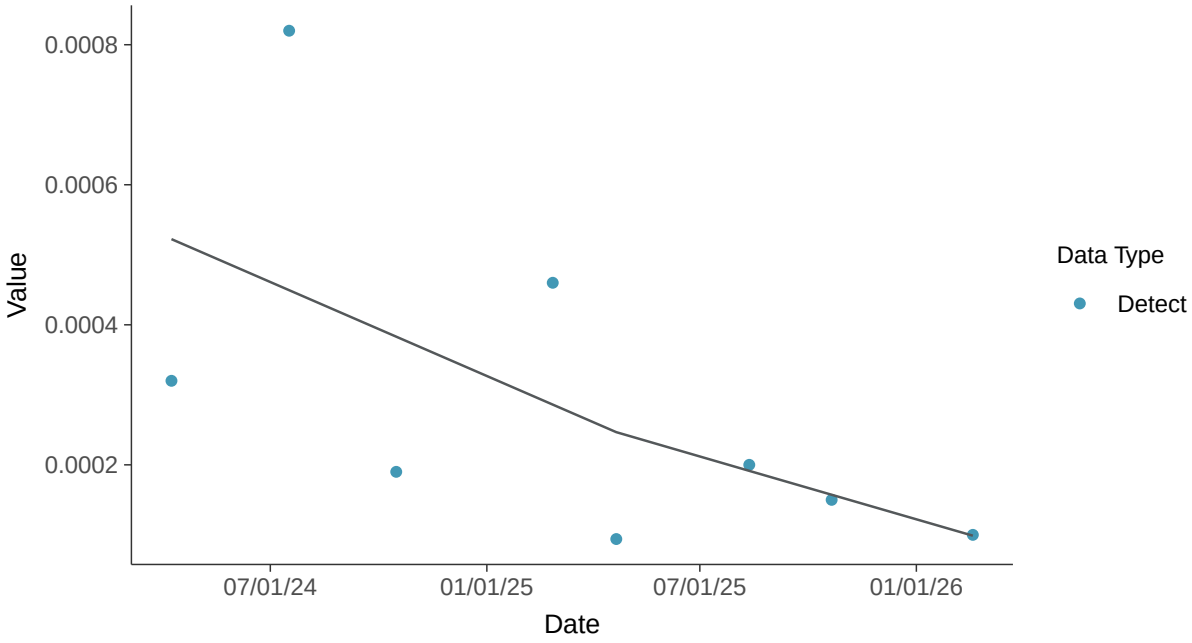
Trend Regression: Lognormal MLE

Cadmium, MW-36 (mg/L)



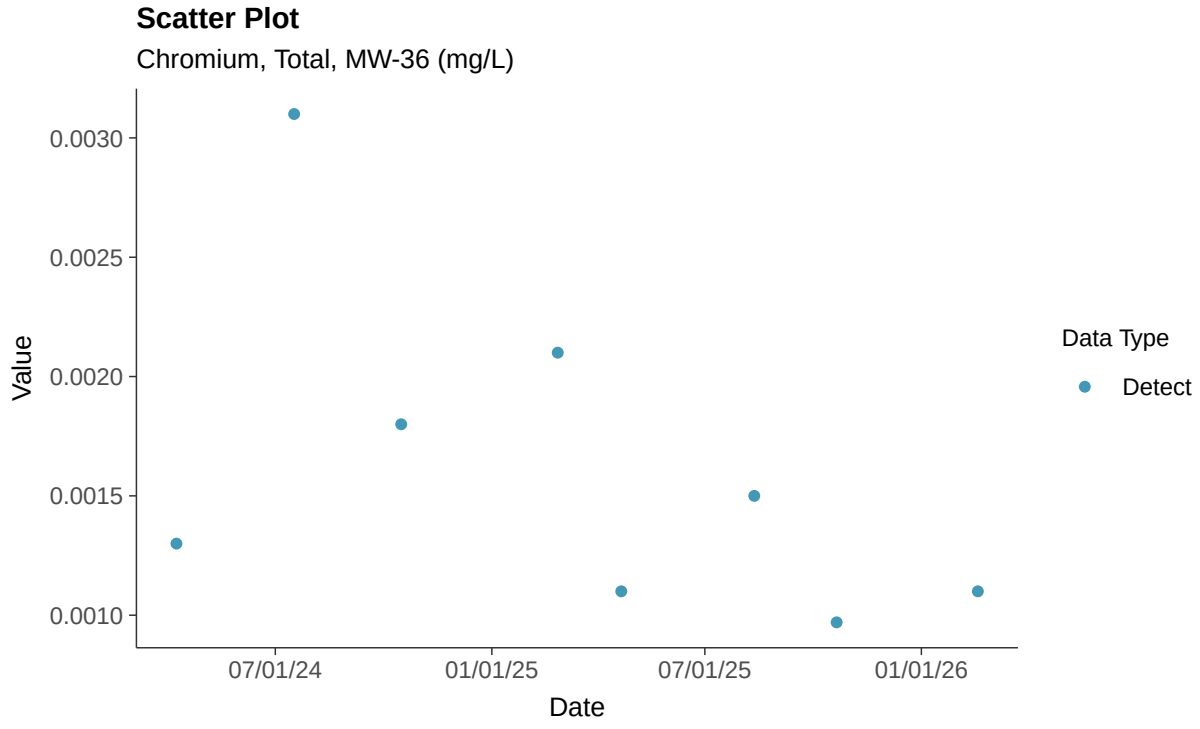
Trend Regression: Piecewise Linear-Linear

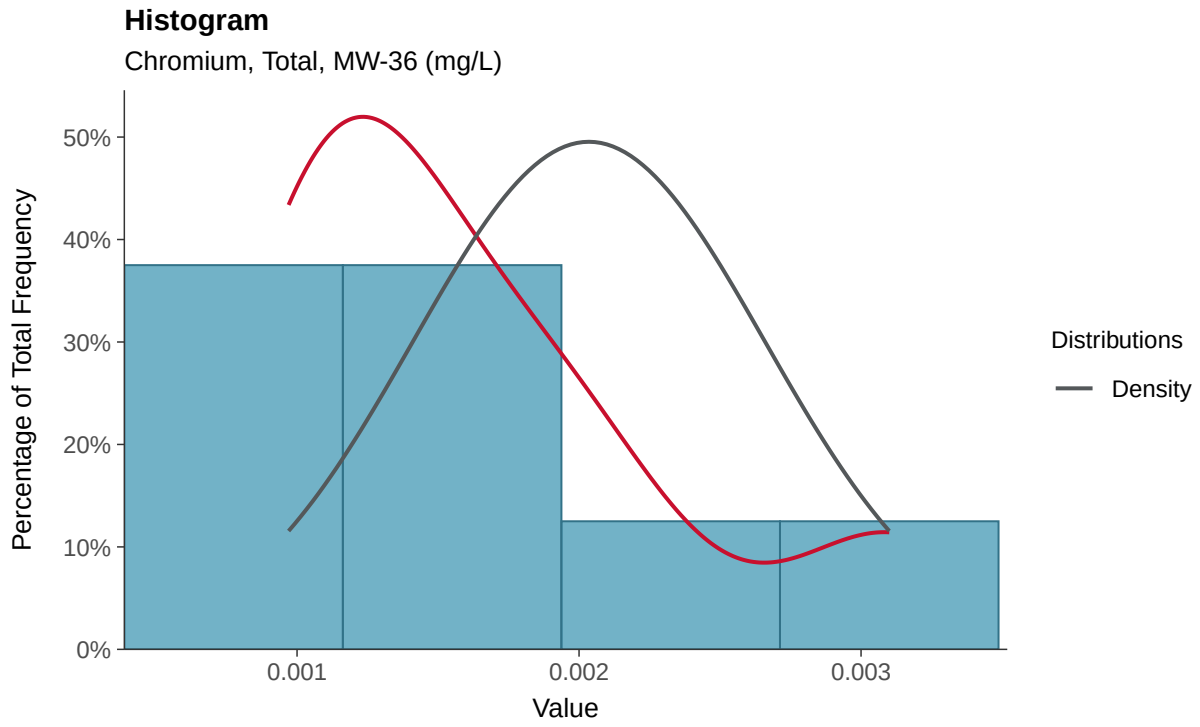
Cadmium, MW-36 (mg/L)



Appendix IV: Chromium, Total, MW-36

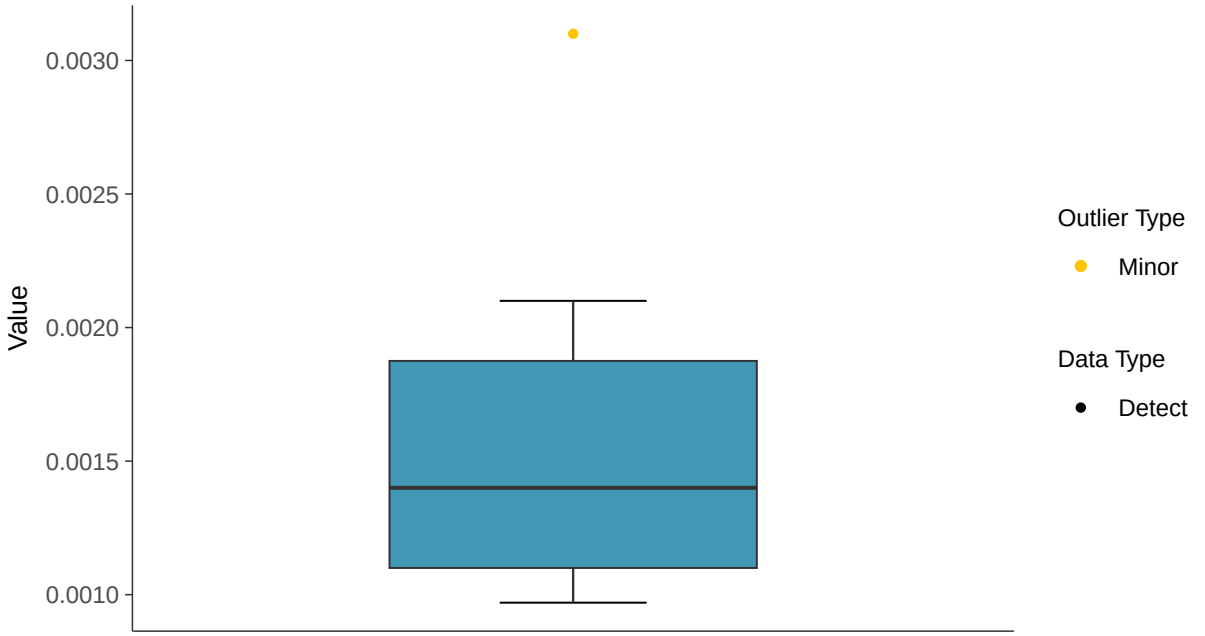
ID: 46_1_4_109





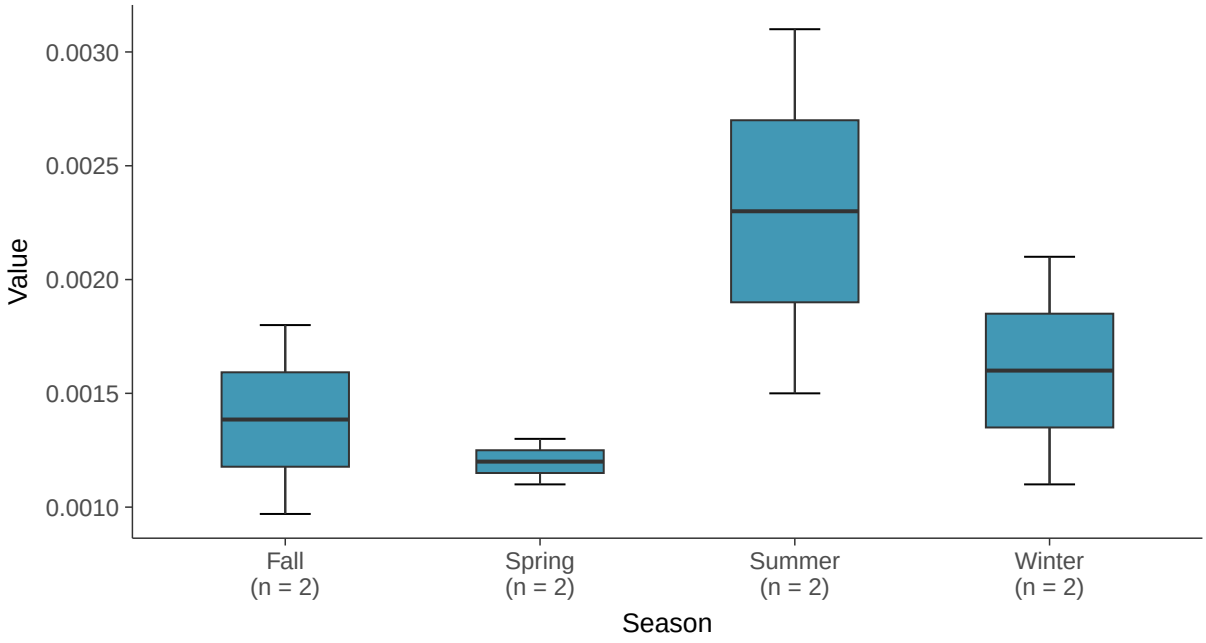
Boxplot

Chromium, Total, MW-36 (mg/L)



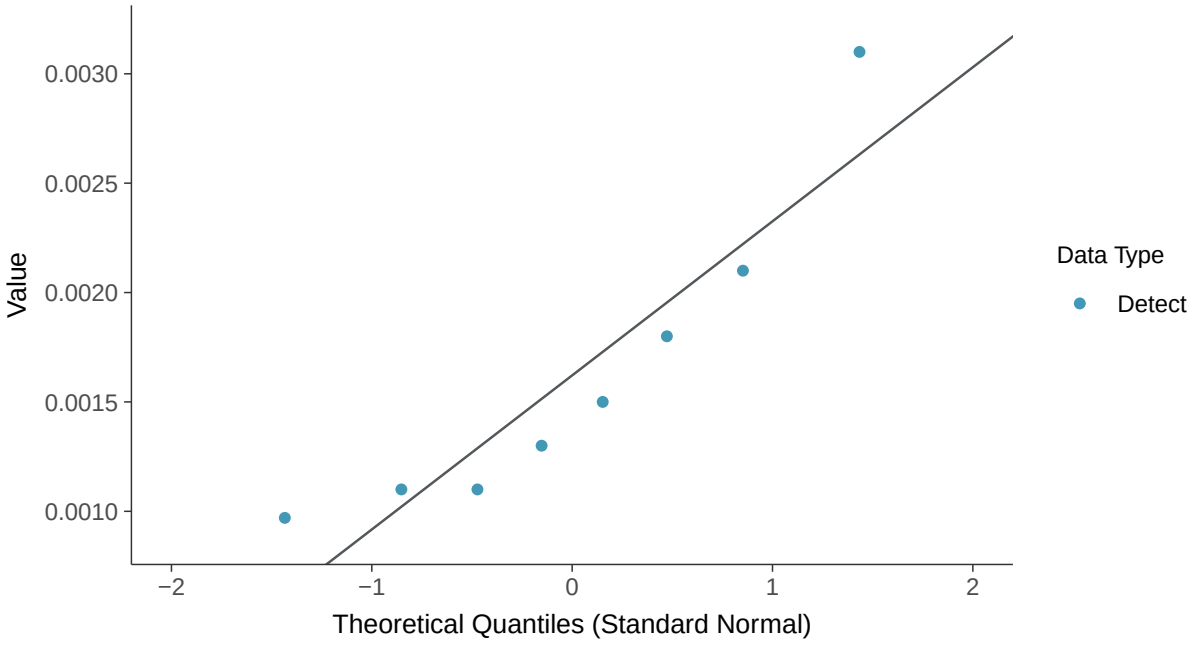
Boxplot by Season

Chromium, Total, MW-36 (mg/L)



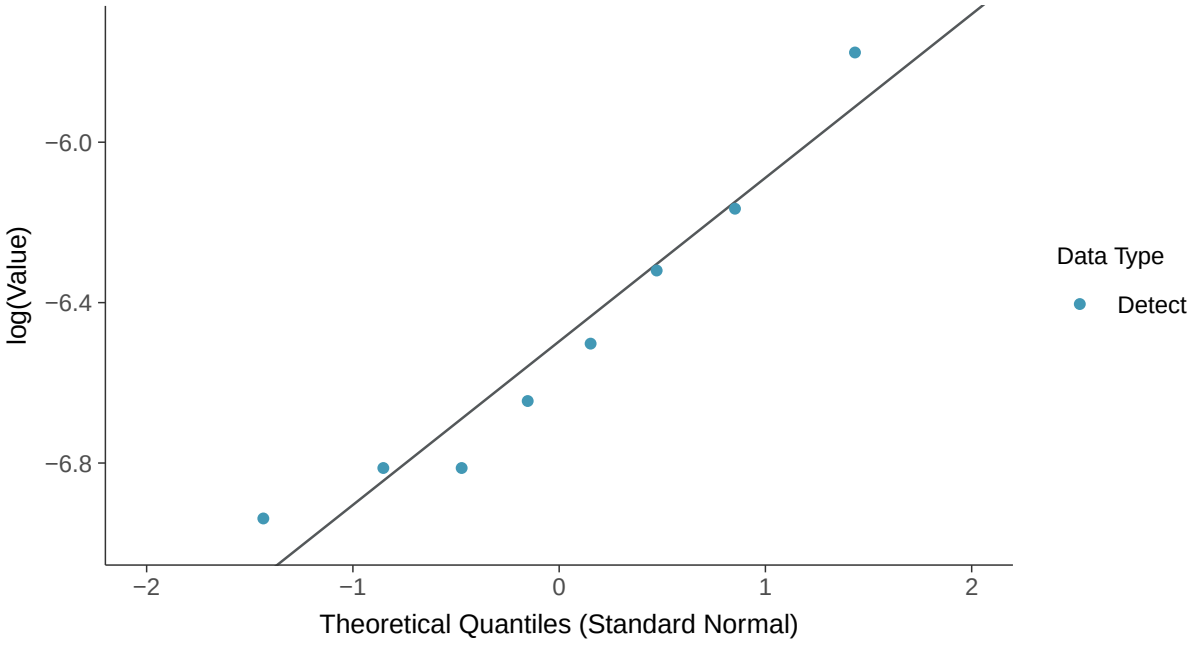
Normal Q-Q plot

Chromium, Total, MW-36 (mg/L)



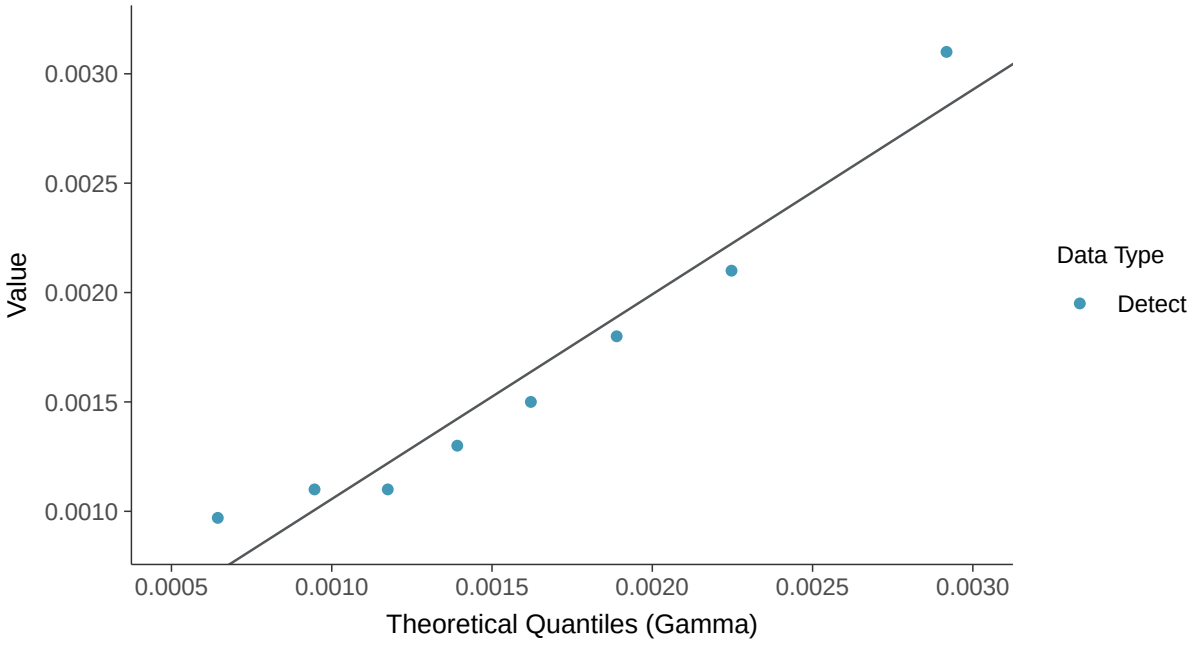
Lognormal Q-Q plot

Chromium, Total, MW-36 (mg/L)



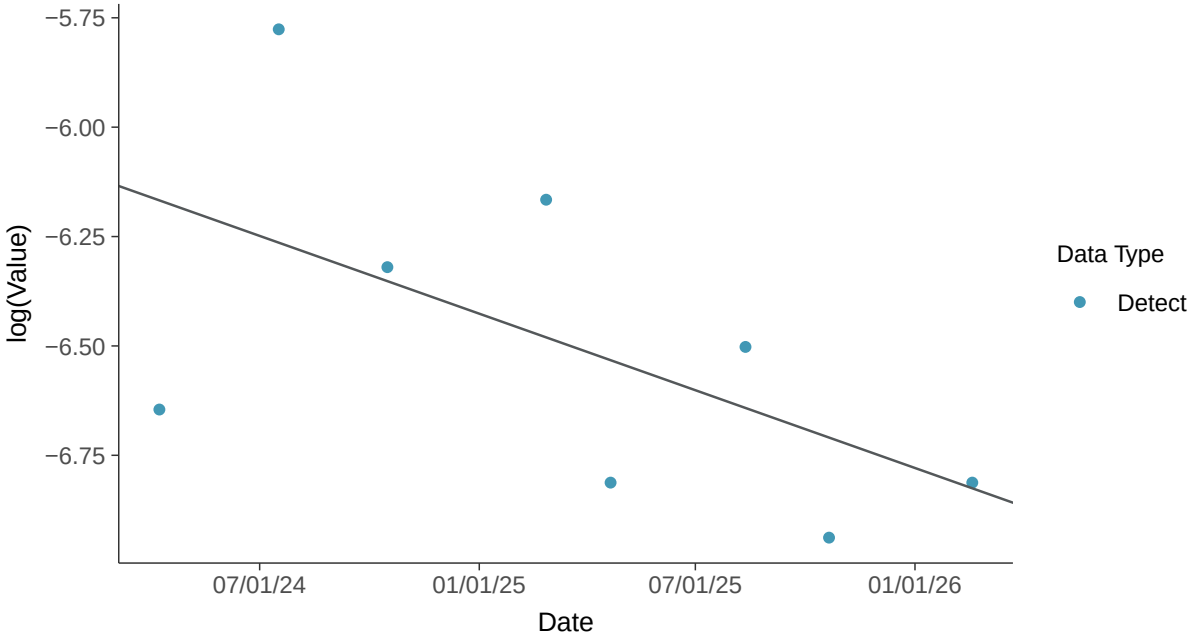
Gamma Q-Q plot

Chromium, Total, MW-36 (mg/L)



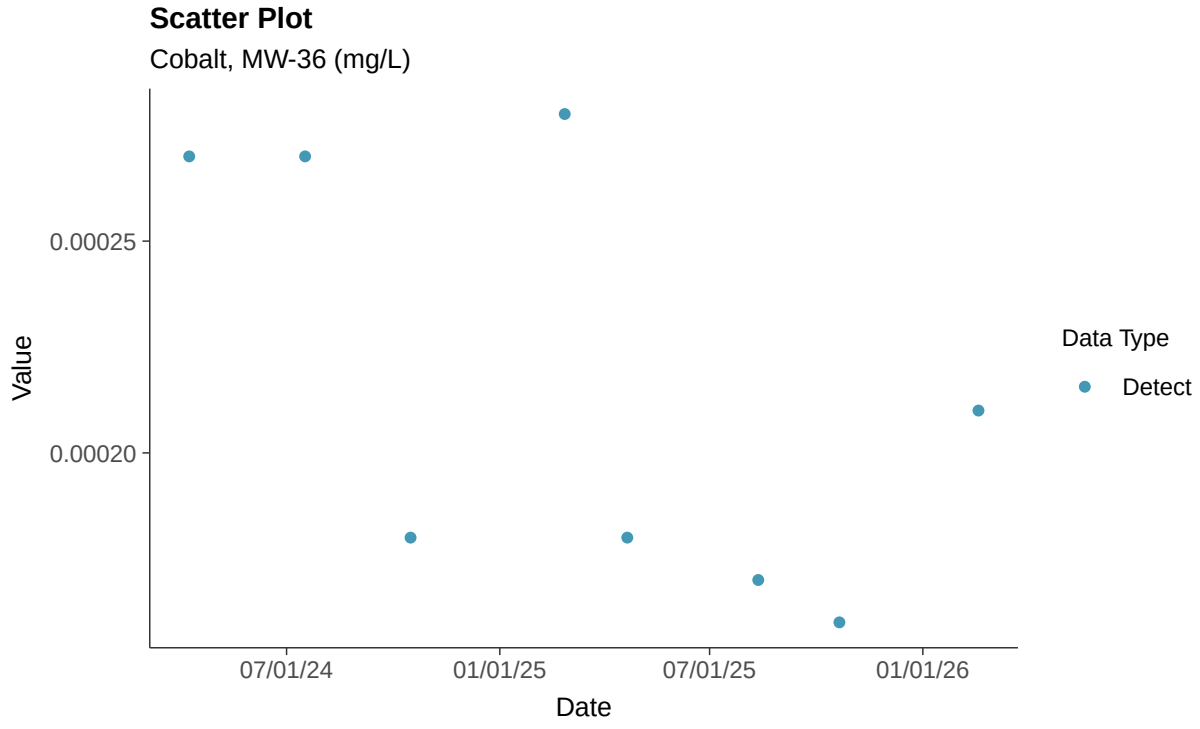
Trend Regression: Lognormal MLE

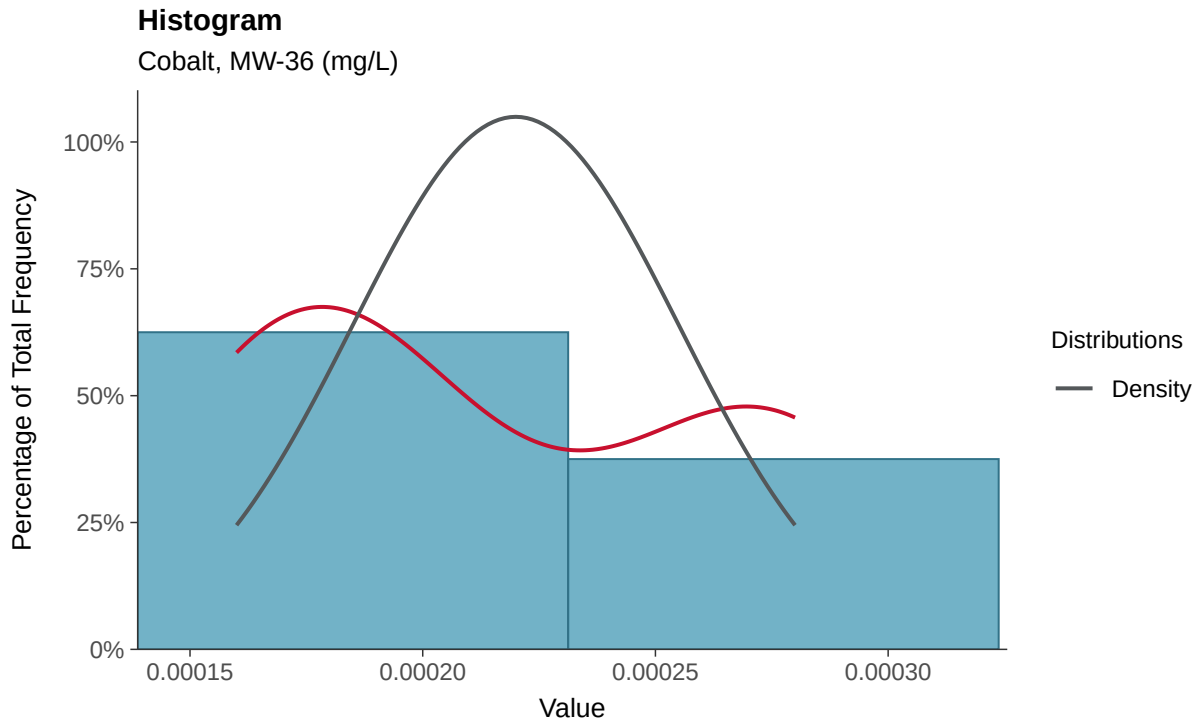
Chromium, Total, MW-36 (mg/L)



Appendix IV: Cobalt, MW-36

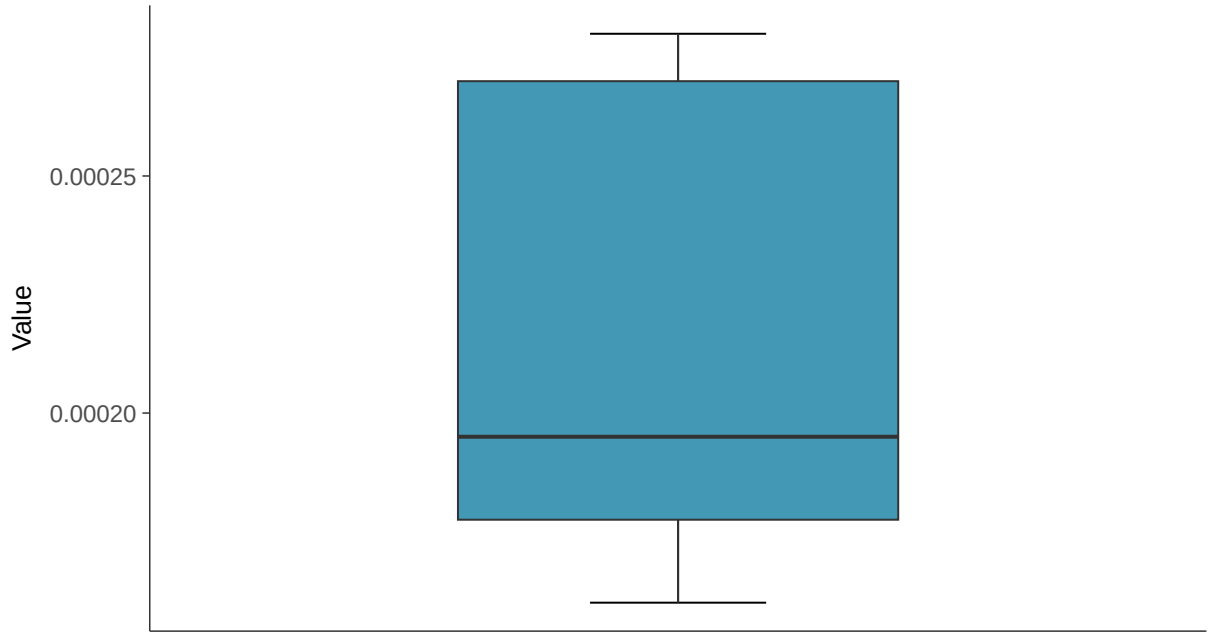
ID: 46_1_4_110





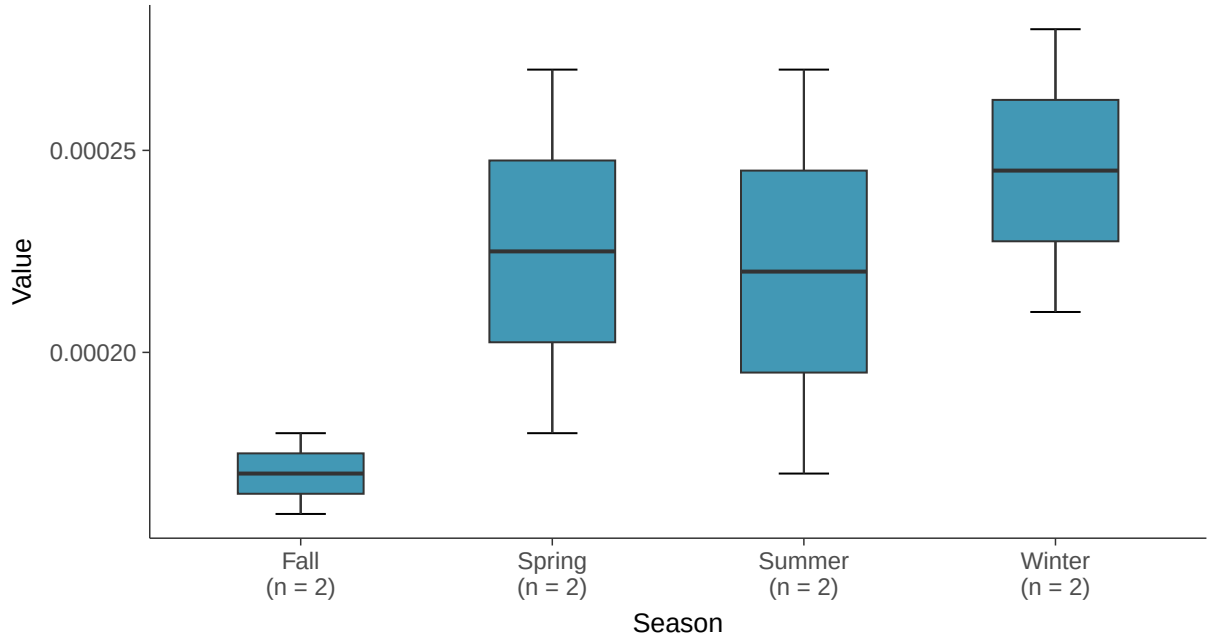
Boxplot

Cobalt, MW-36 (mg/L)



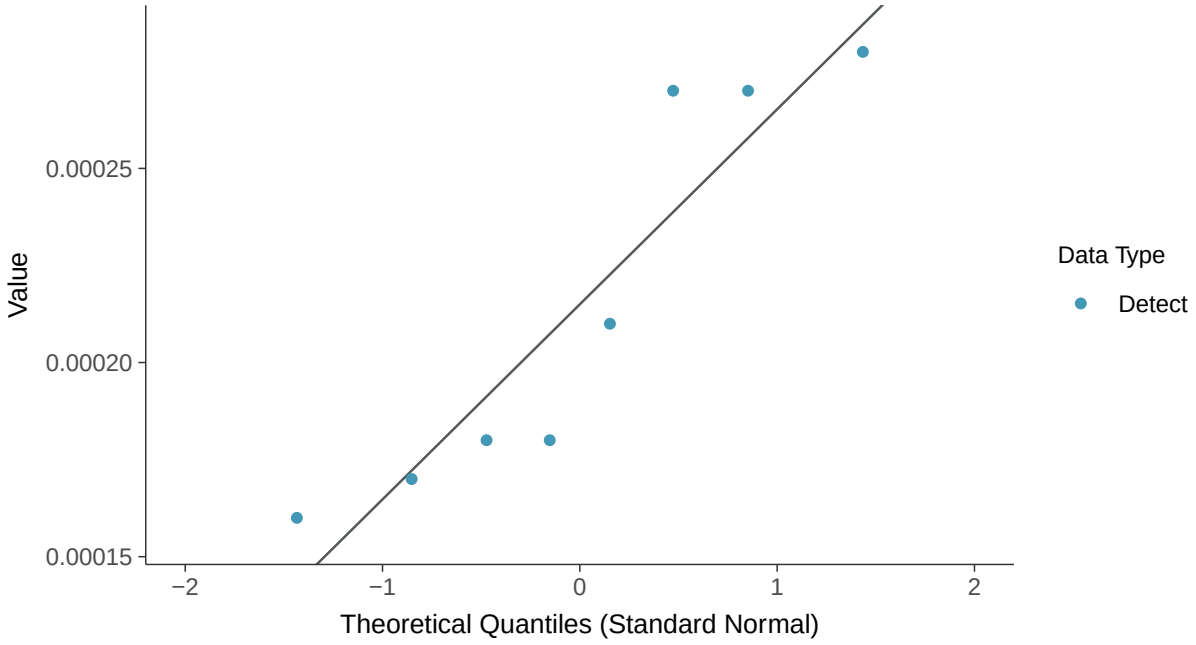
Boxplot by Season

Cobalt, MW-36 (mg/L)



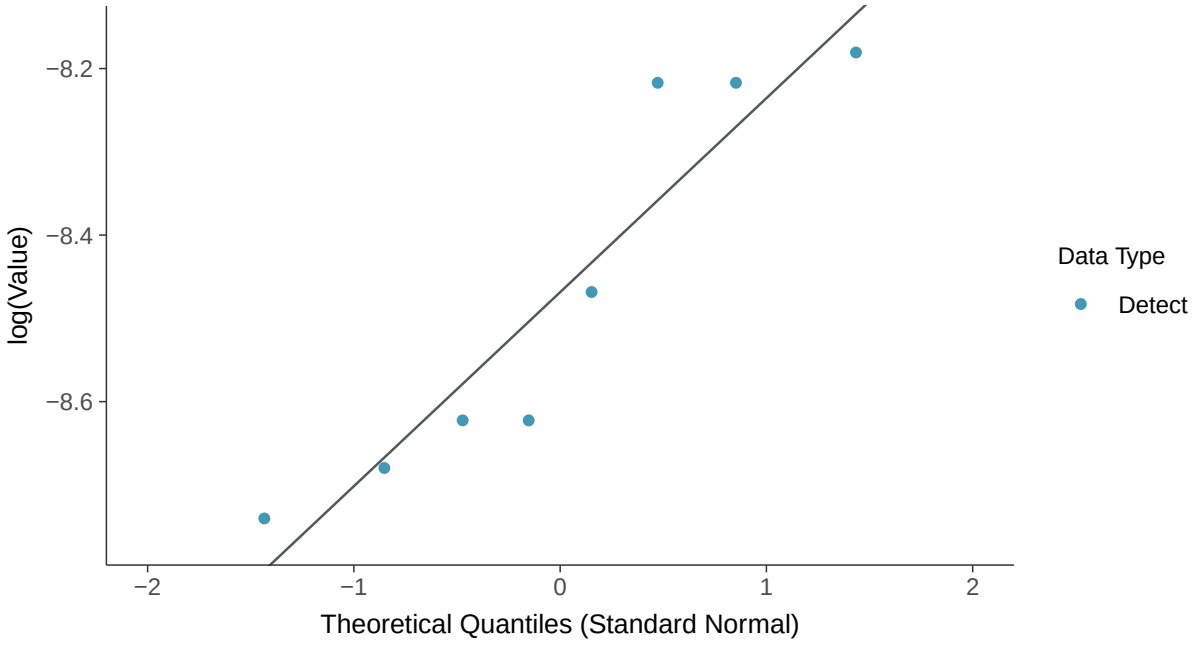
Normal Q-Q plot

Cobalt, MW-36 (mg/L)



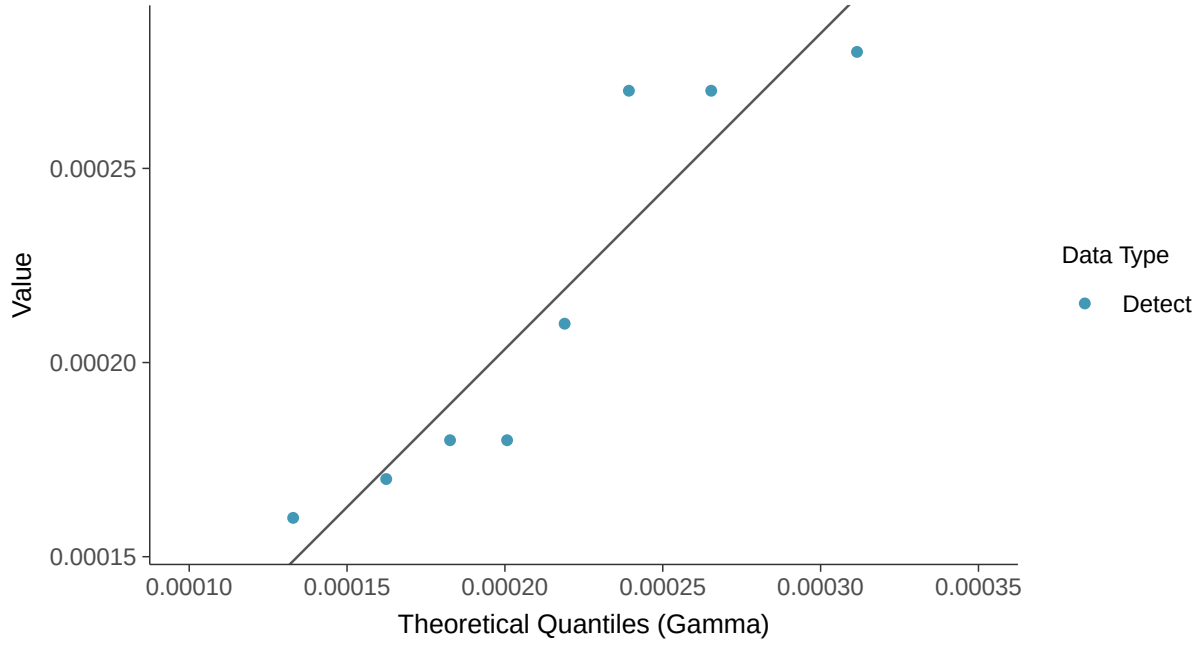
Lognormal Q-Q plot

Cobalt, MW-36 (mg/L)



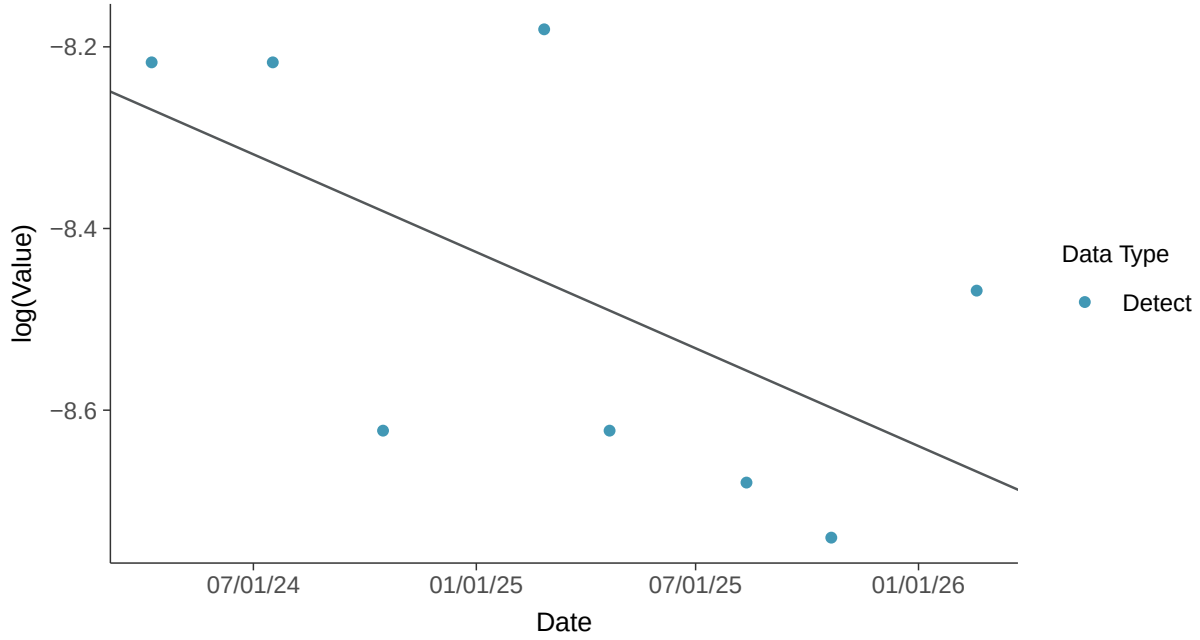
Gamma Q-Q plot

Cobalt, MW-36 (mg/L)



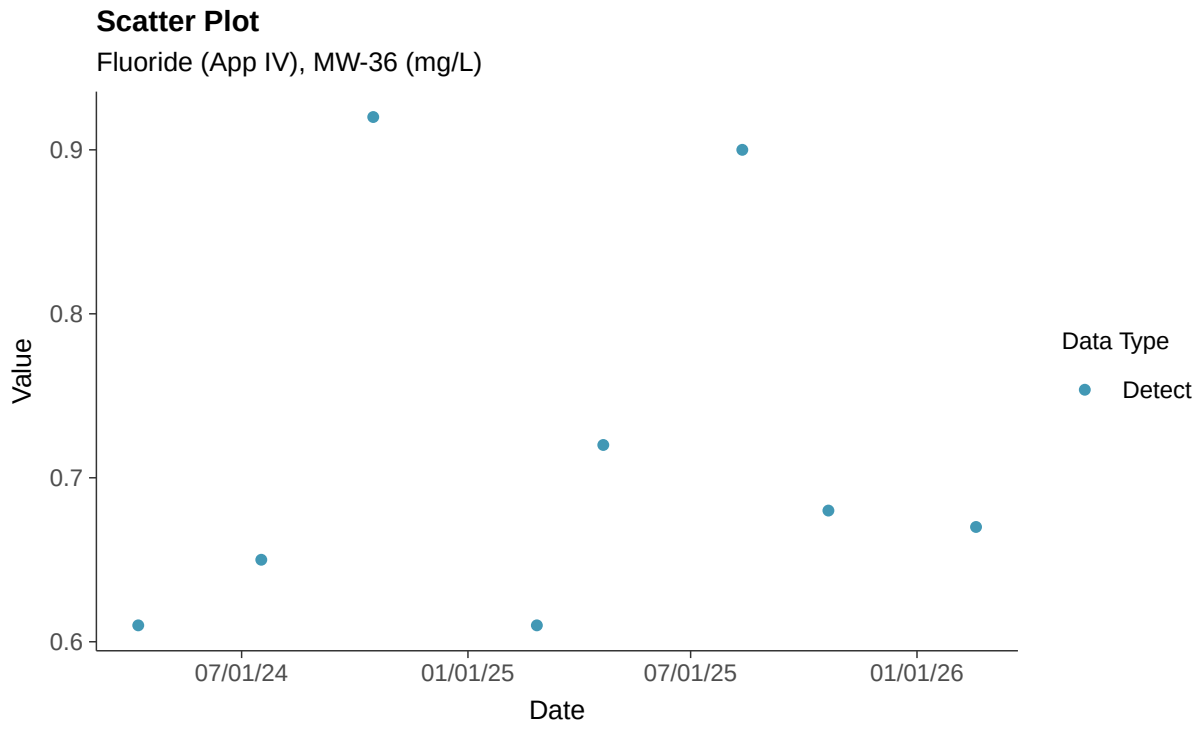
Trend Regression: Lognormal MLE

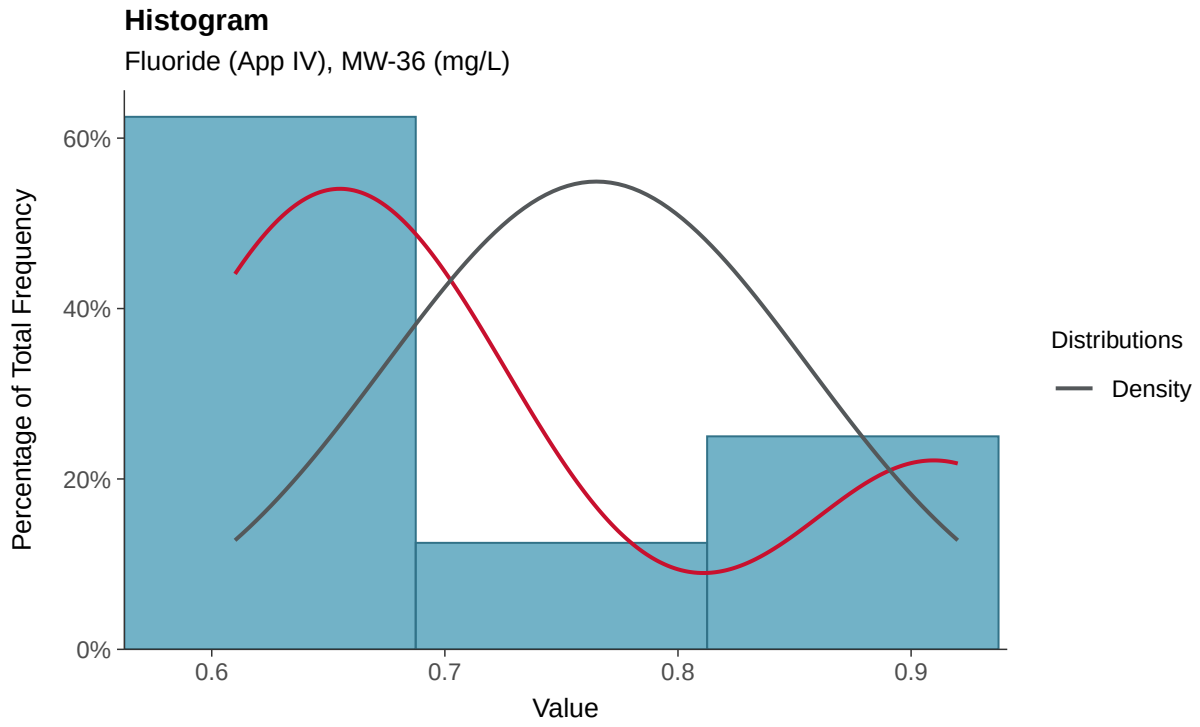
Cobalt, MW-36 (mg/L)



Appendix IV: Fluoride (App IV), MW-36

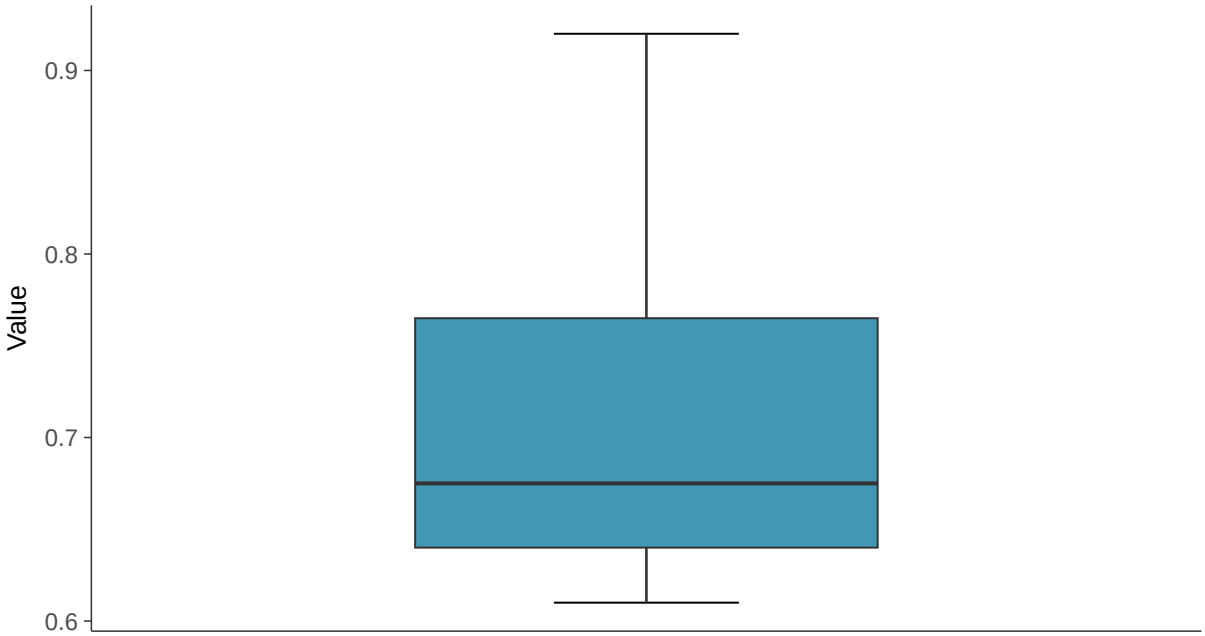
ID: 46_1_4_113





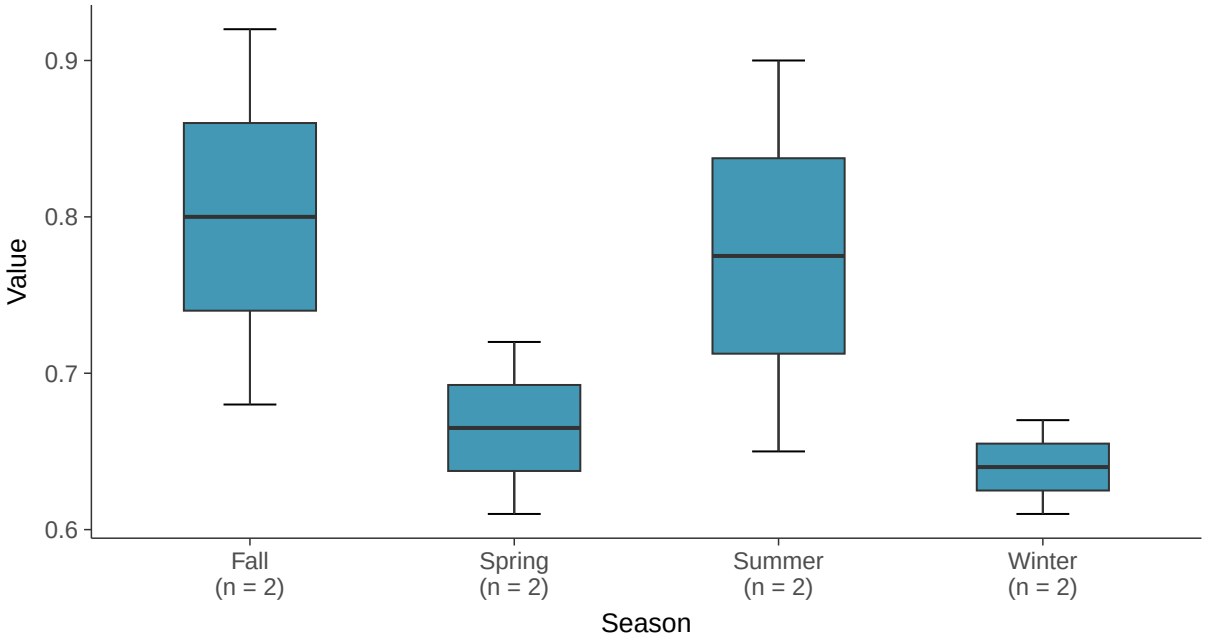
Boxplot

Fluoride (App IV), MW-36 (mg/L)



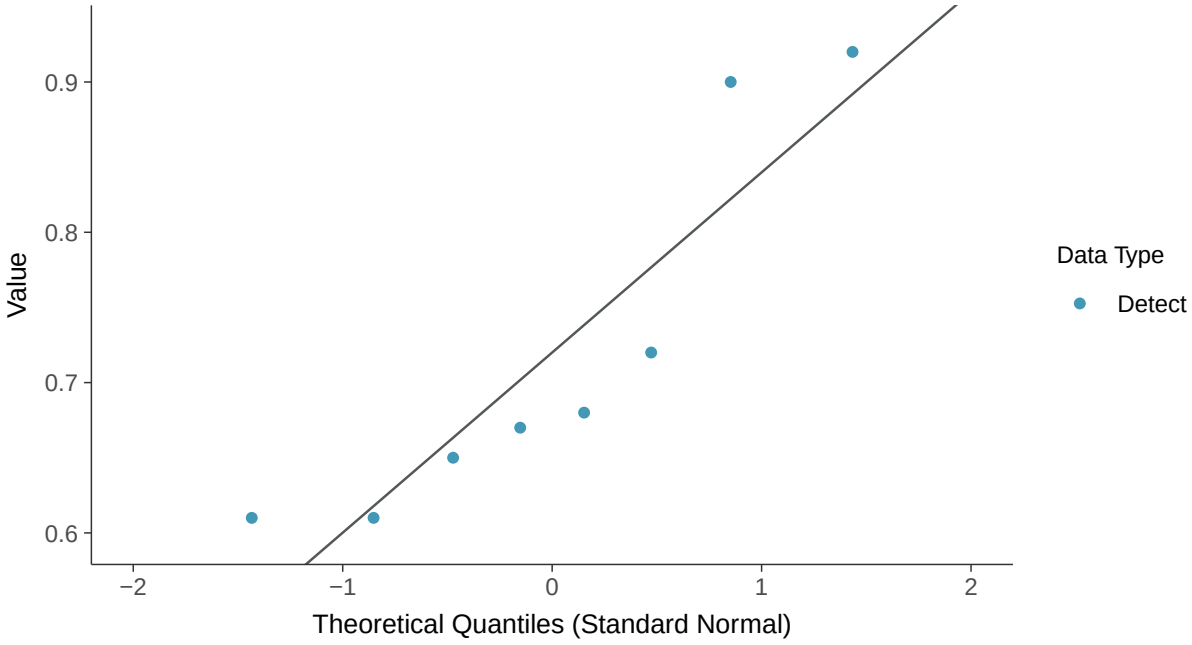
Boxplot by Season

Fluoride (App IV), MW-36 (mg/L)



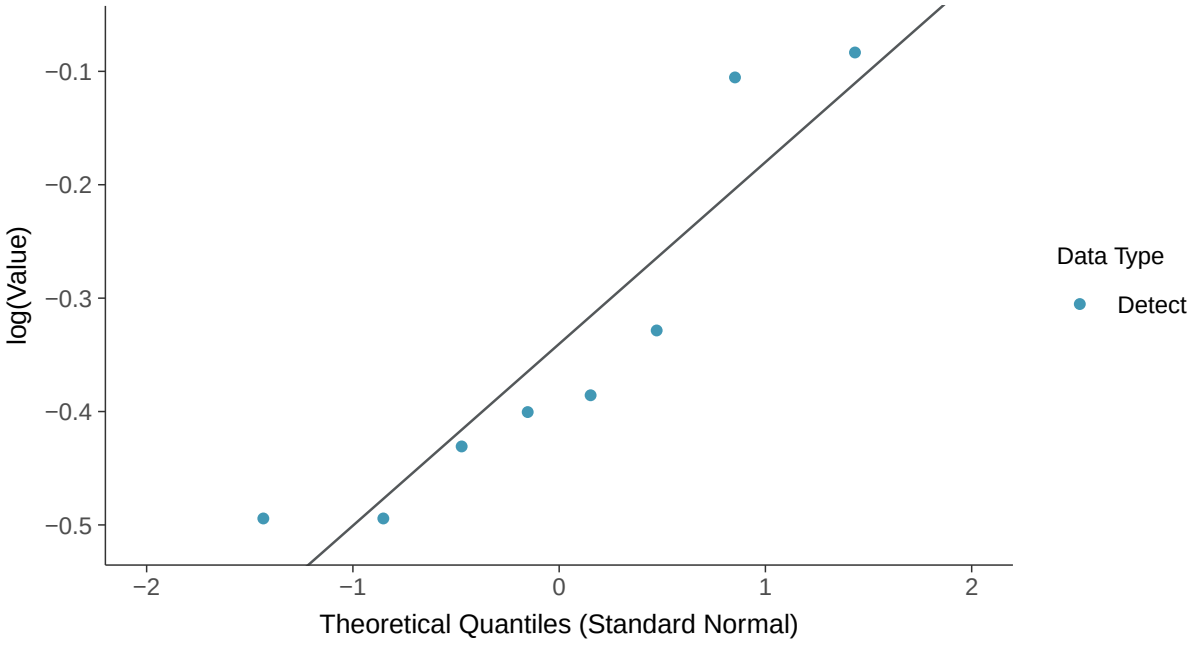
Normal Q-Q plot

Fluoride (App IV), MW-36 (mg/L)



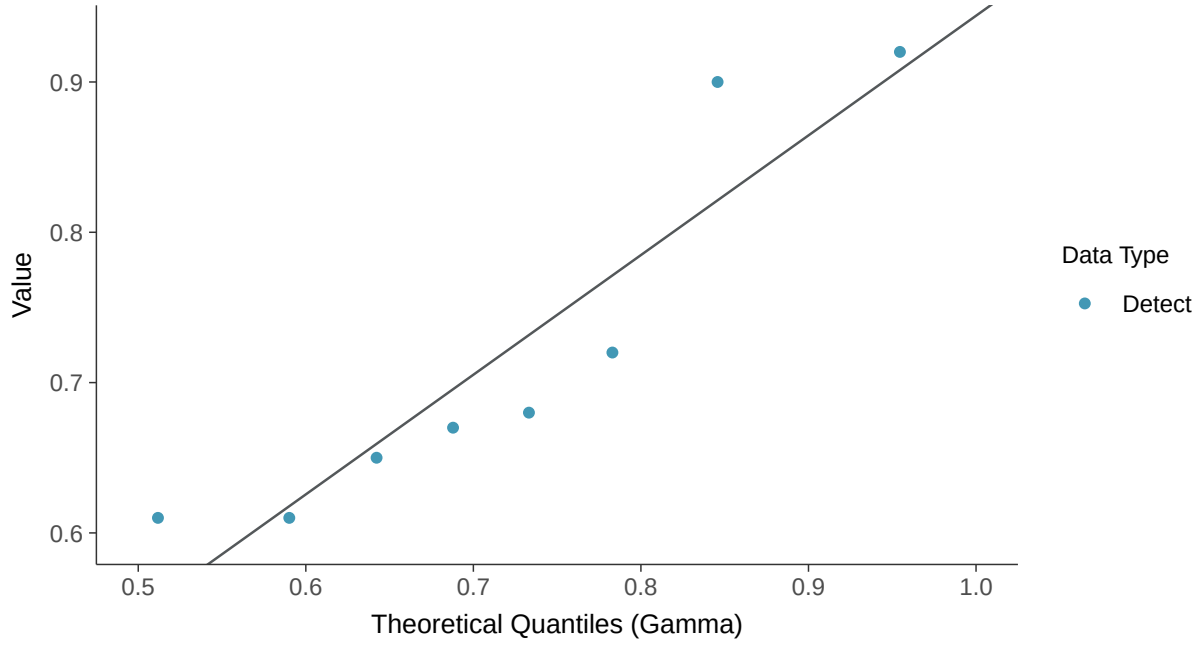
Lognormal Q-Q plot

Fluoride (App IV), MW-36 (mg/L)



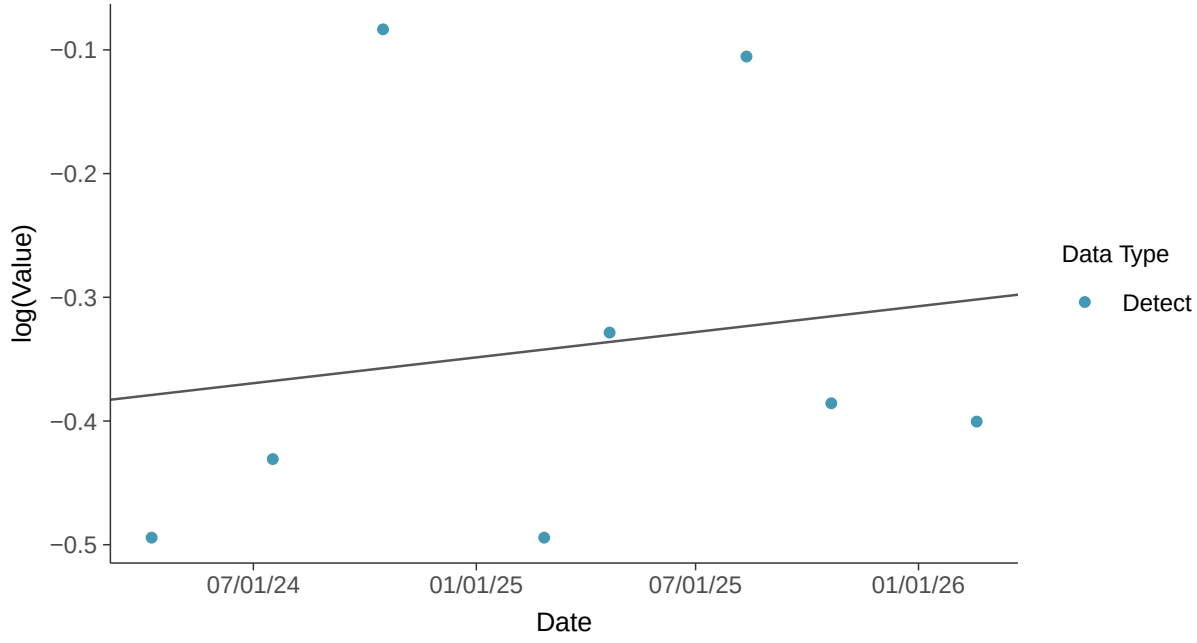
Gamma Q-Q plot

Fluoride (App IV), MW-36 (mg/L)



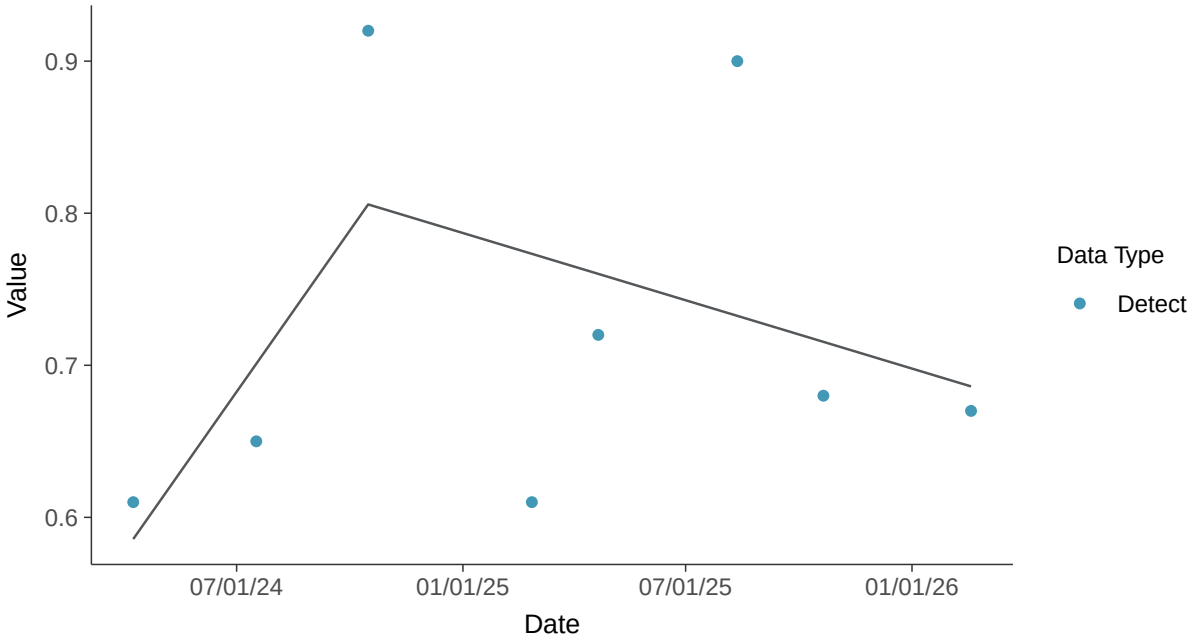
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-36 (mg/L)



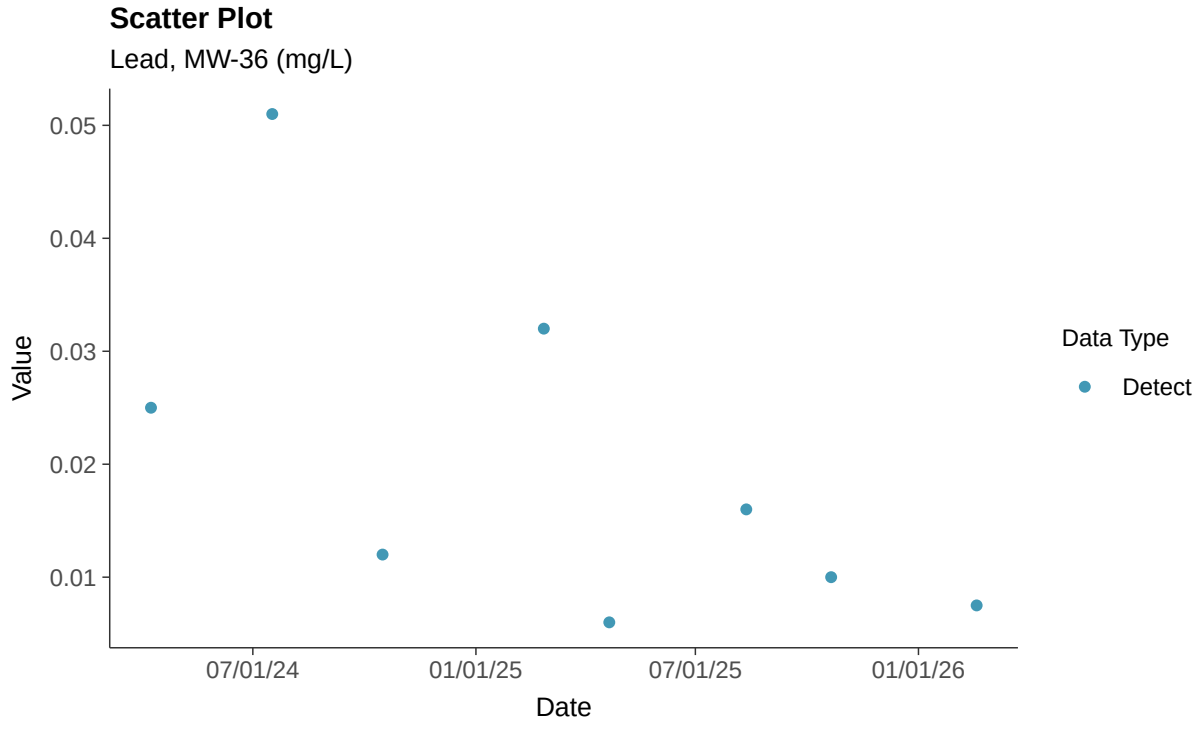
Trend Regression: Piecewise Linear-Linear

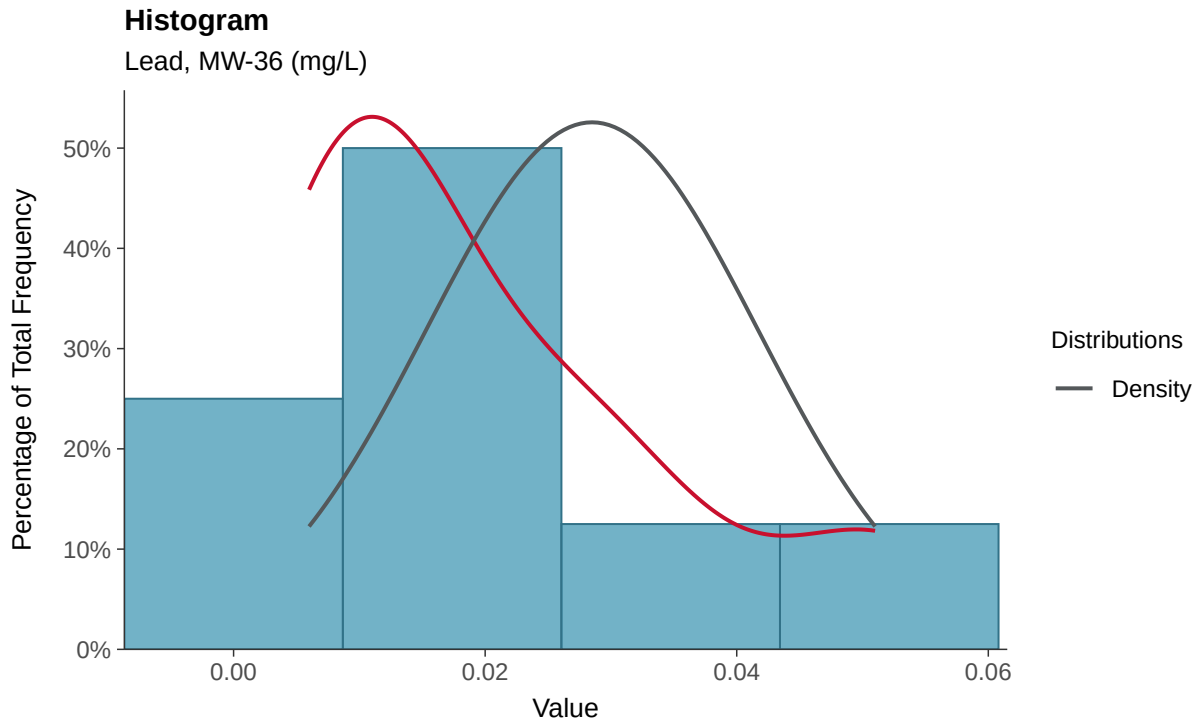
Fluoride (App IV), MW-36 (mg/L)



Appendix IV: Lead, MW-36

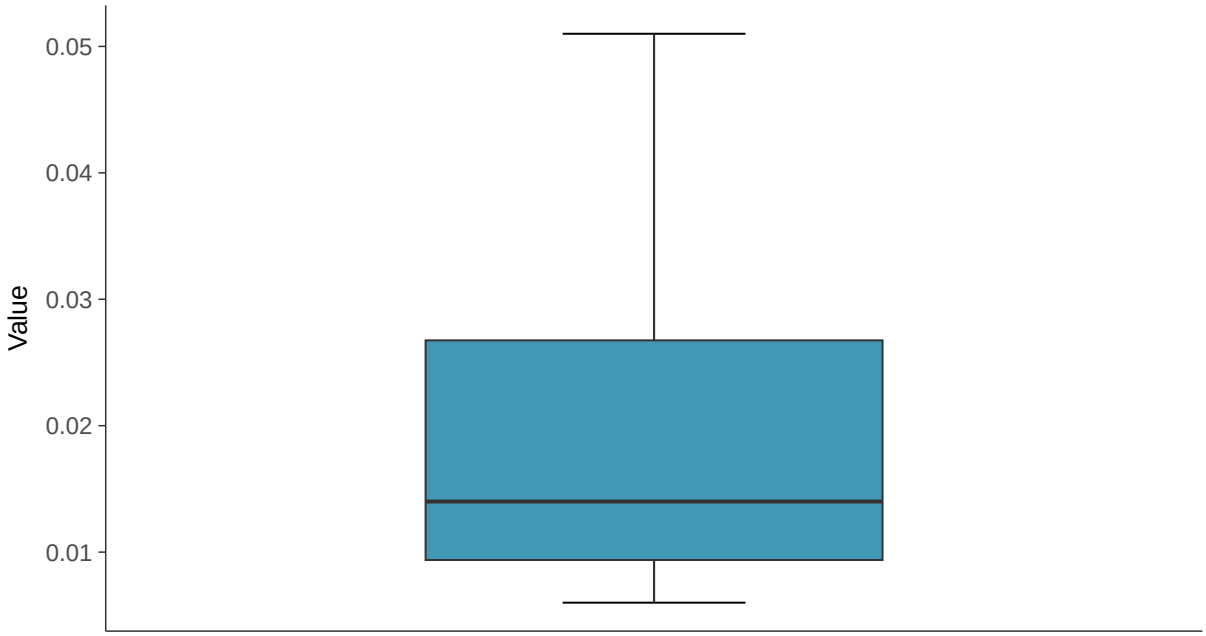
ID: 46_1_4_115





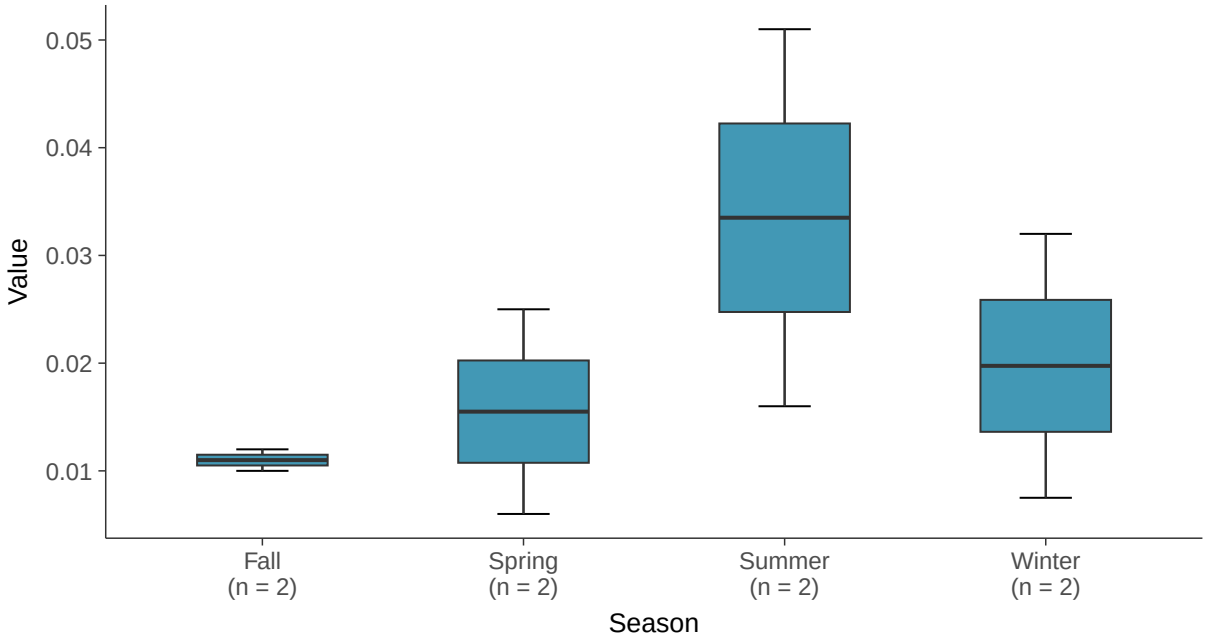
Boxplot

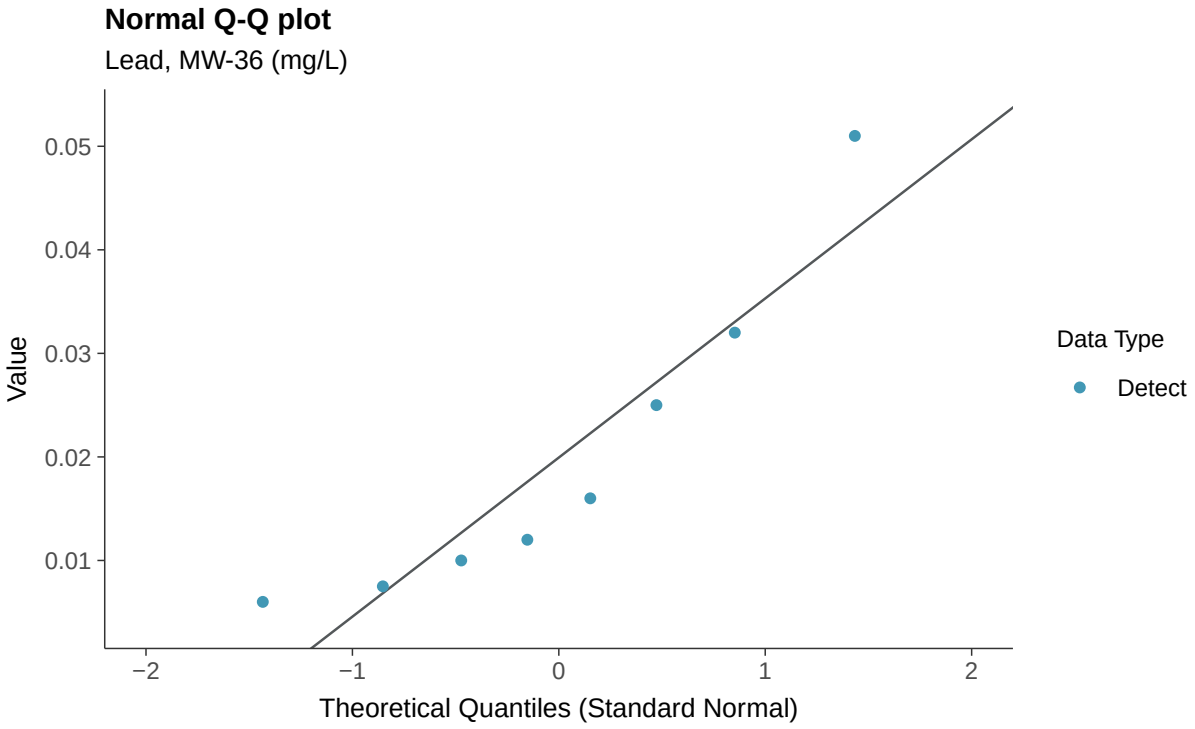
Lead, MW-36 (mg/L)

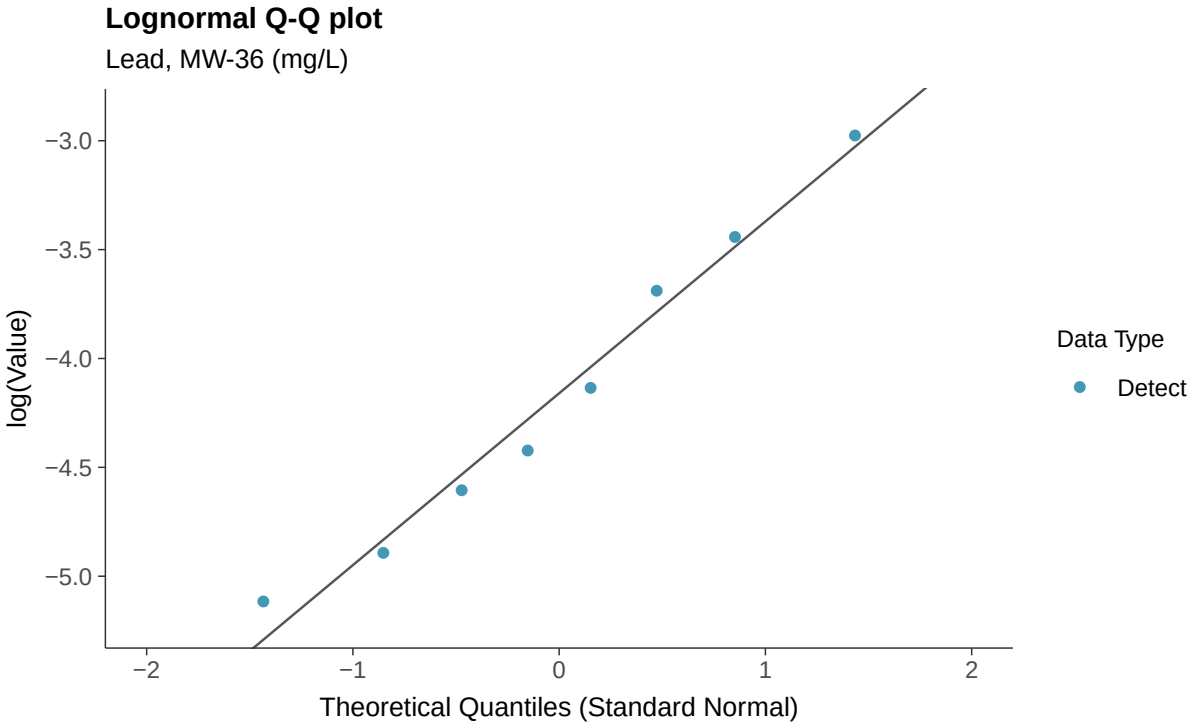


Boxplot by Season

Lead, MW-36 (mg/L)

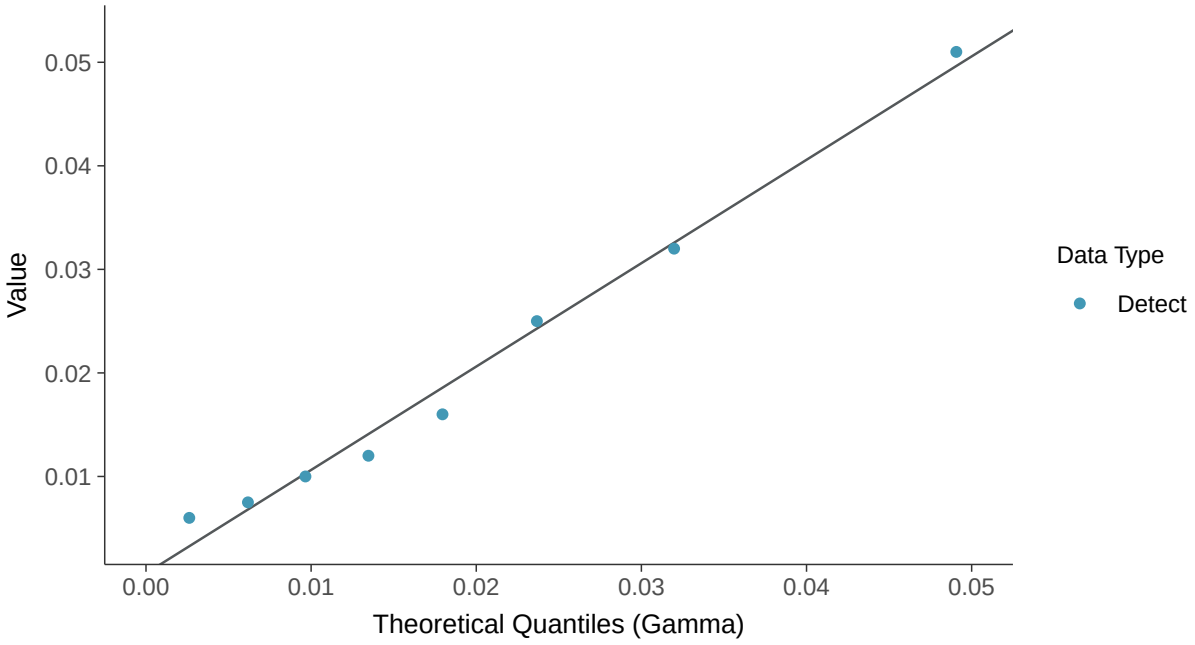



Normal Q-Q plot
Lead, MW-36 (mg/L)
Value
0.05
0.04
0.03
0.02
0.01
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Lead, MW-36 (mg/L)
log(Value)
−3.0
−3.5
−4.0
−4.5
−5.0
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

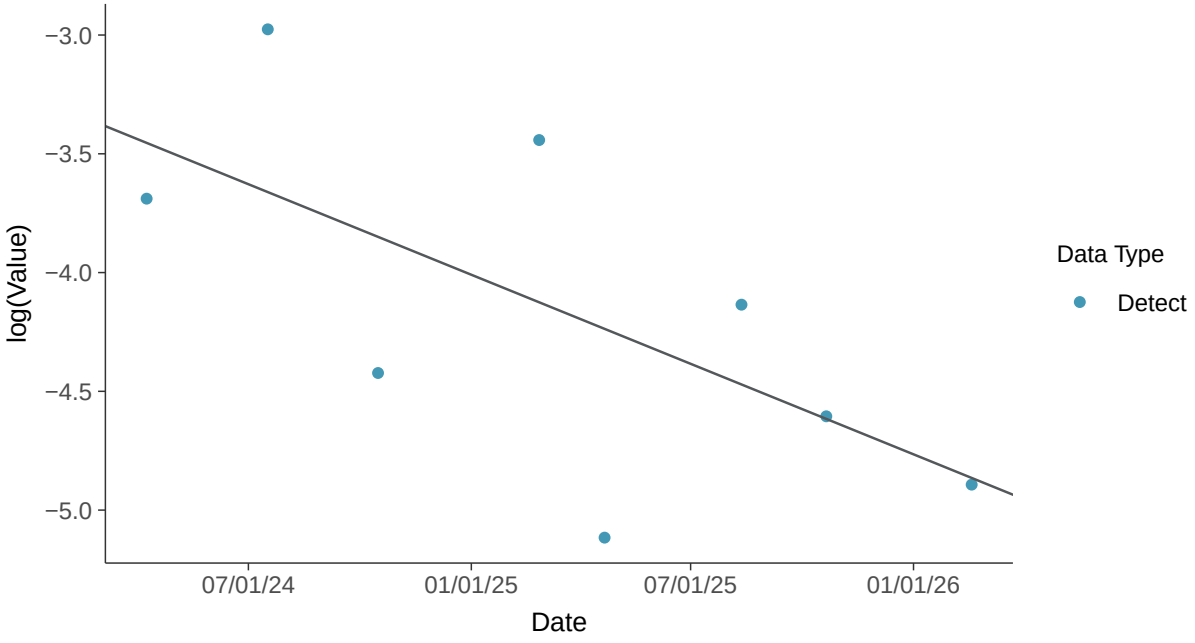
Gamma Q-Q plot

Lead, MW-36 (mg/L)



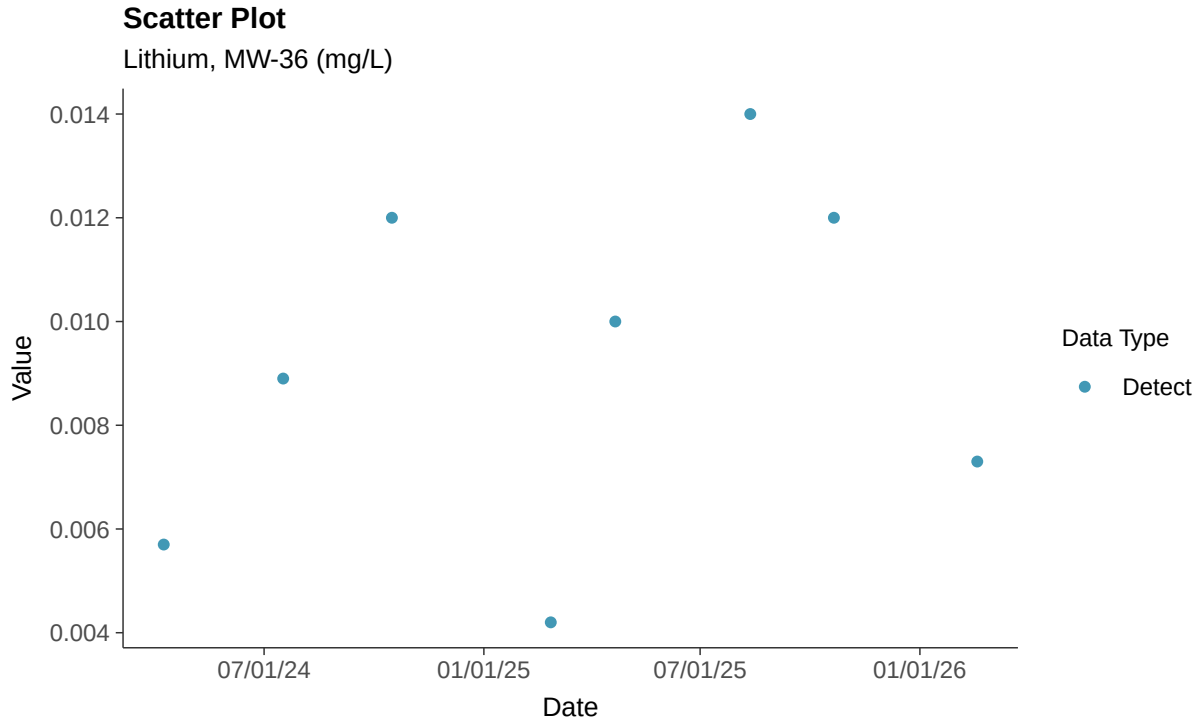
Trend Regression: Lognormal MLE

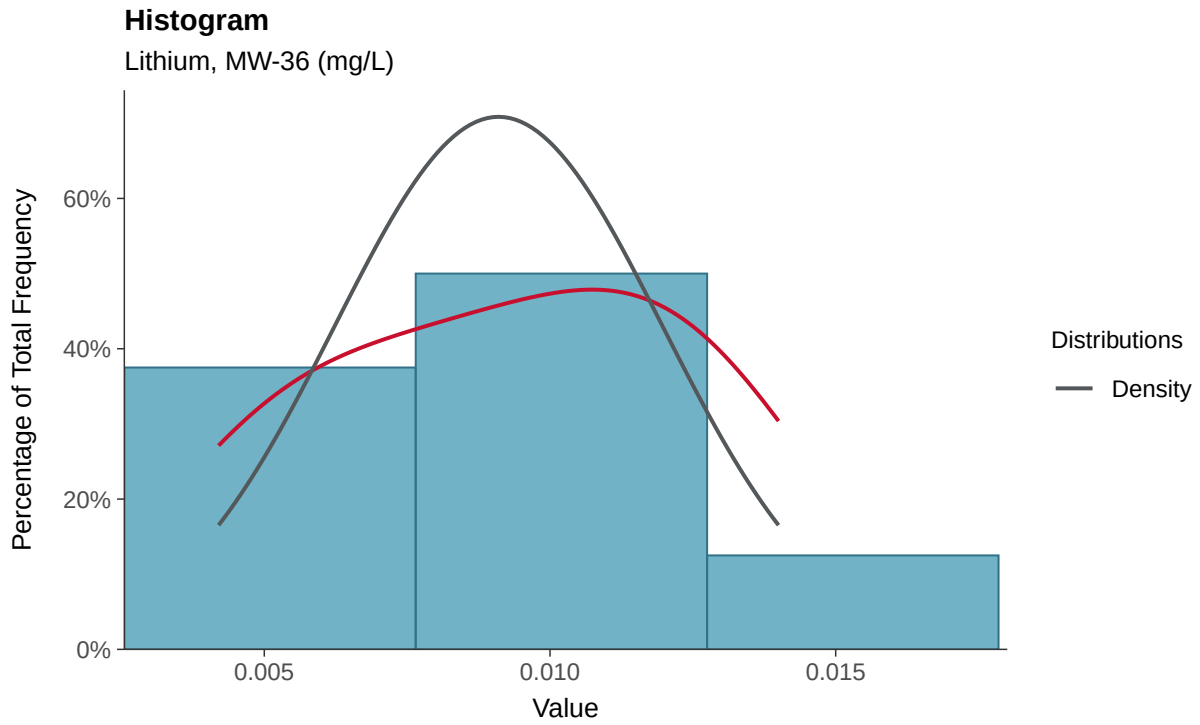
Lead, MW-36 (mg/L)



Appendix IV: Lithium, MW-36

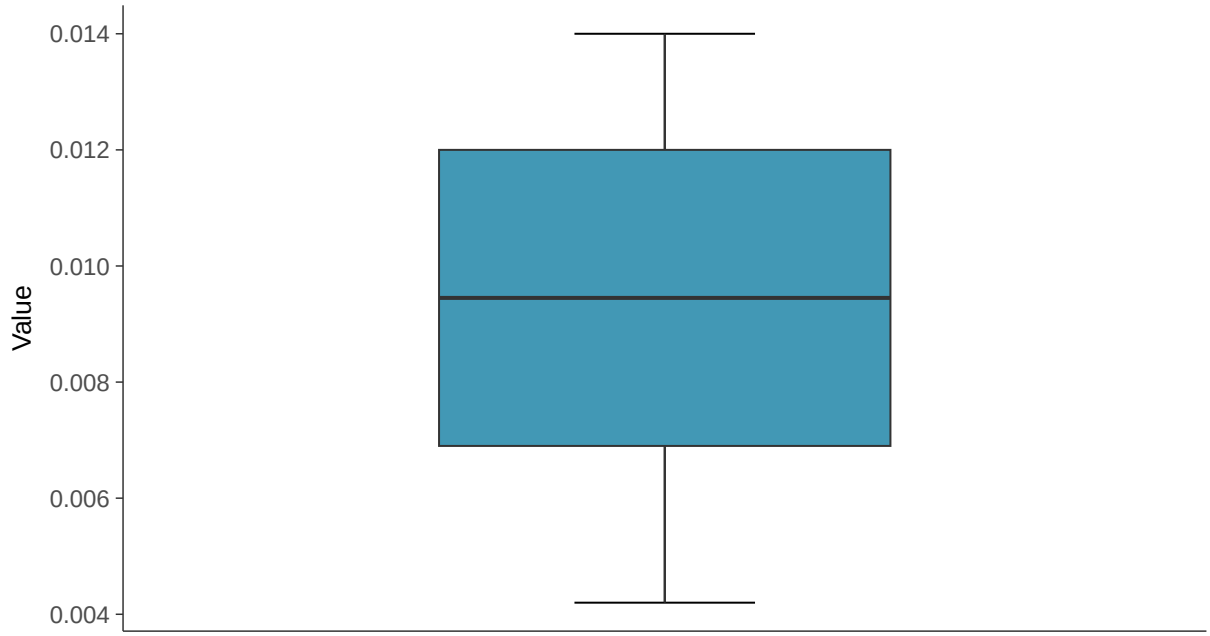
ID: 46_1_4_116





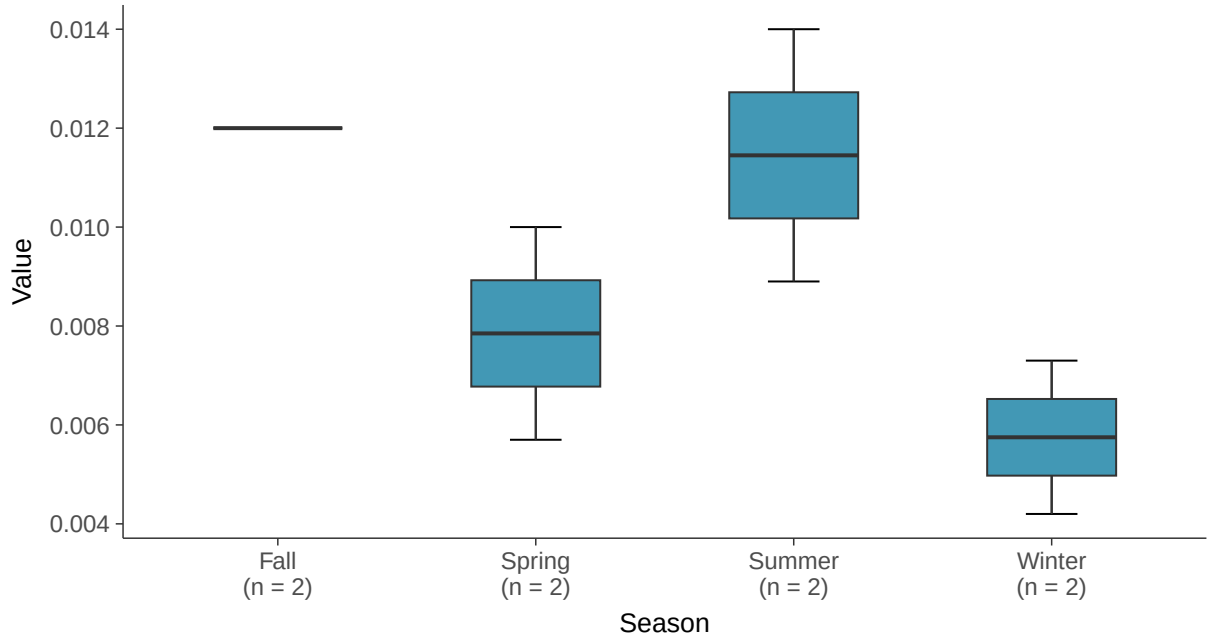
Boxplot

Lithium, MW-36 (mg/L)



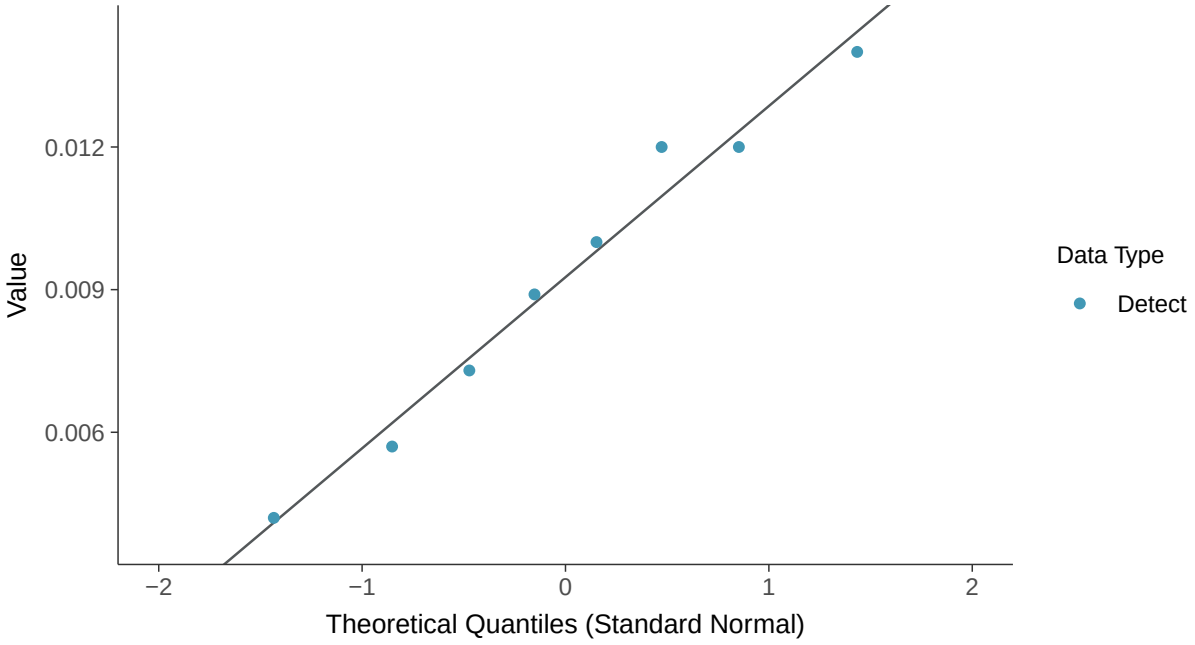
Boxplot by Season

Lithium, MW-36 (mg/L)



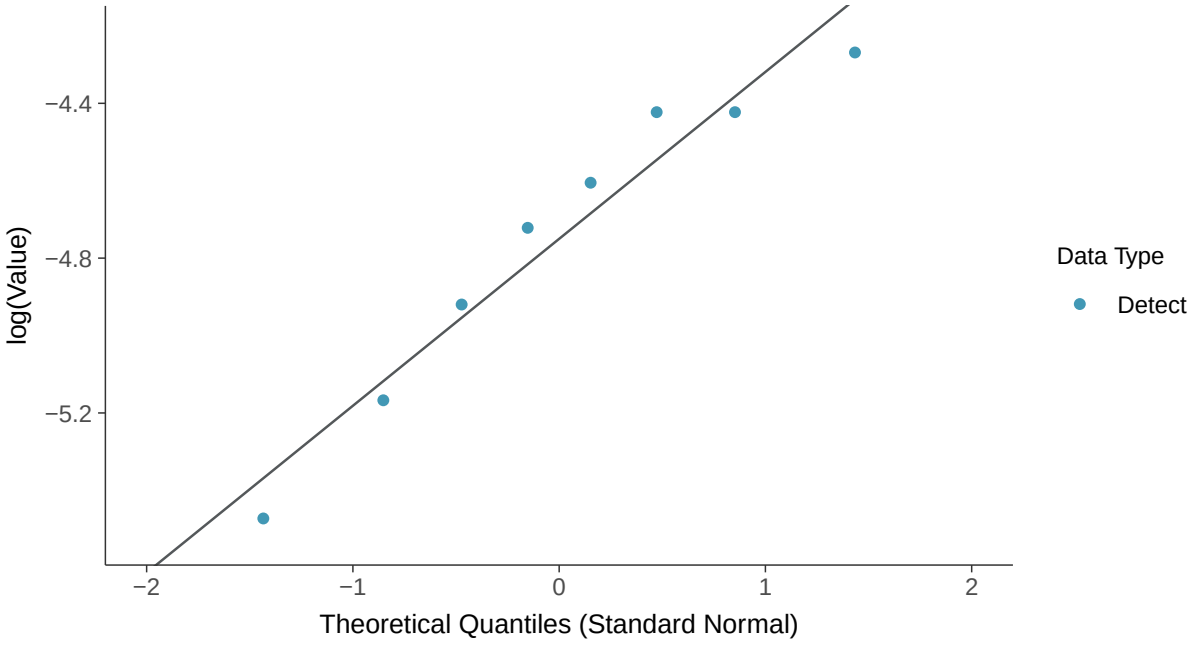
Normal Q-Q plot

Lithium, MW-36 (mg/L)



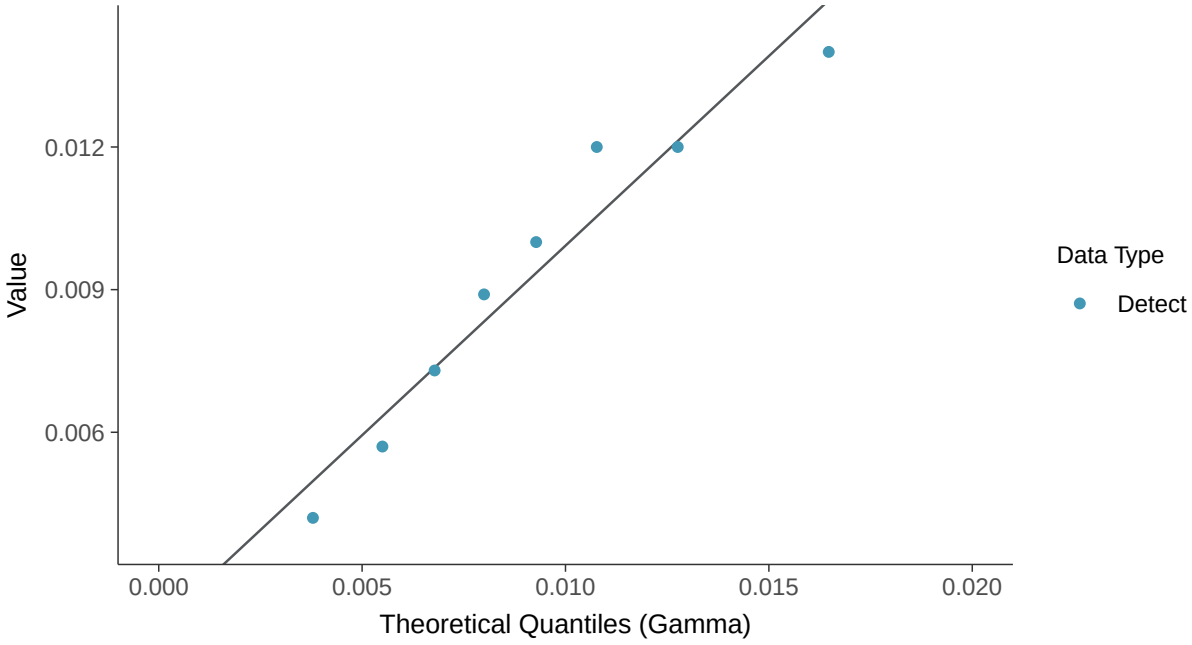
Lognormal Q-Q plot

Lithium, MW-36 (mg/L)



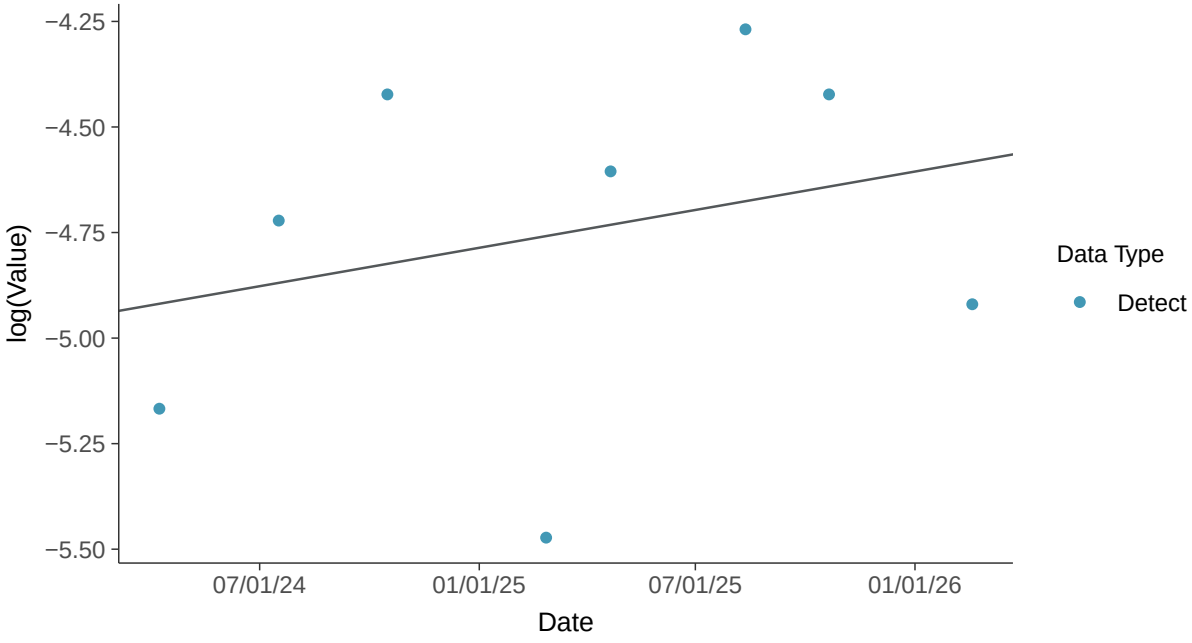
Gamma Q-Q plot

Lithium, MW-36 (mg/L)



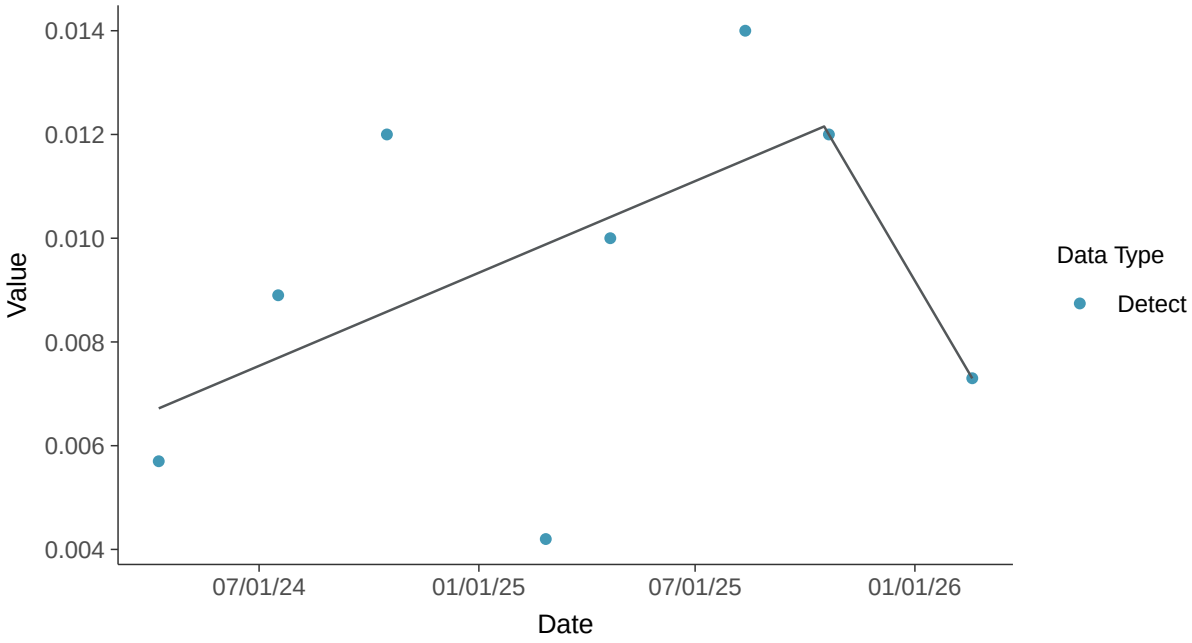
Trend Regression: Lognormal MLE

Lithium, MW-36 (mg/L)



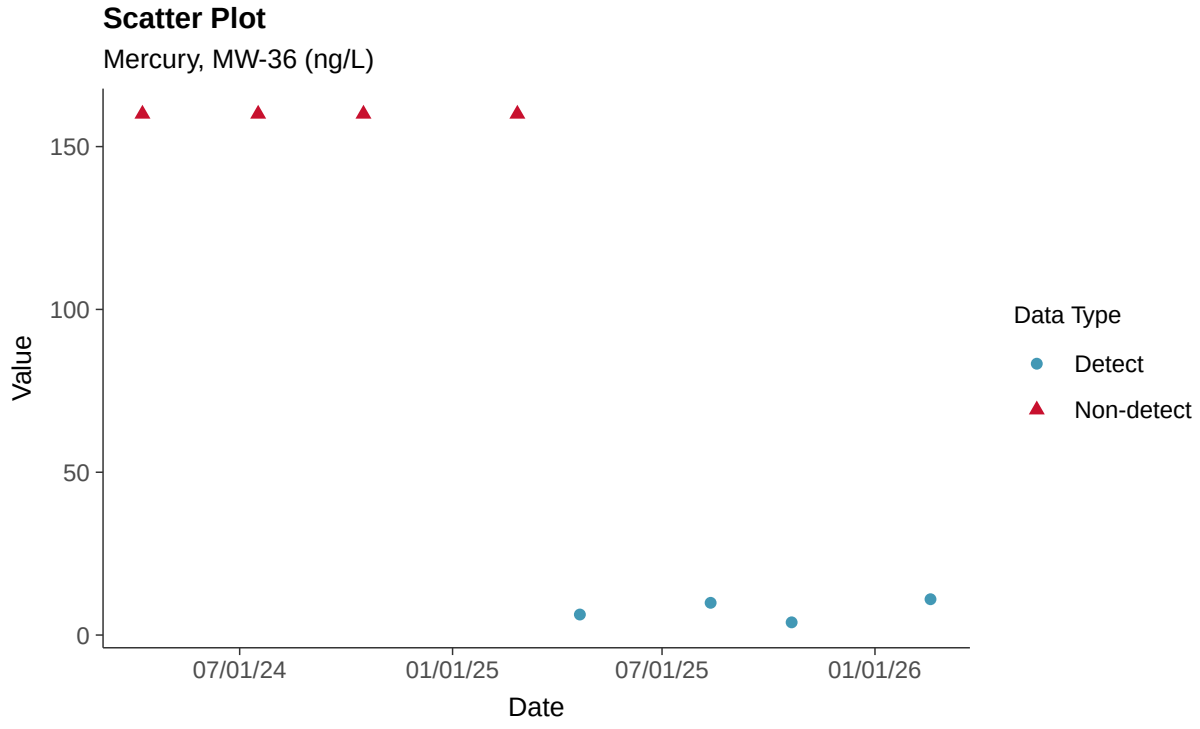
Trend Regression: Piecewise Linear-Linear

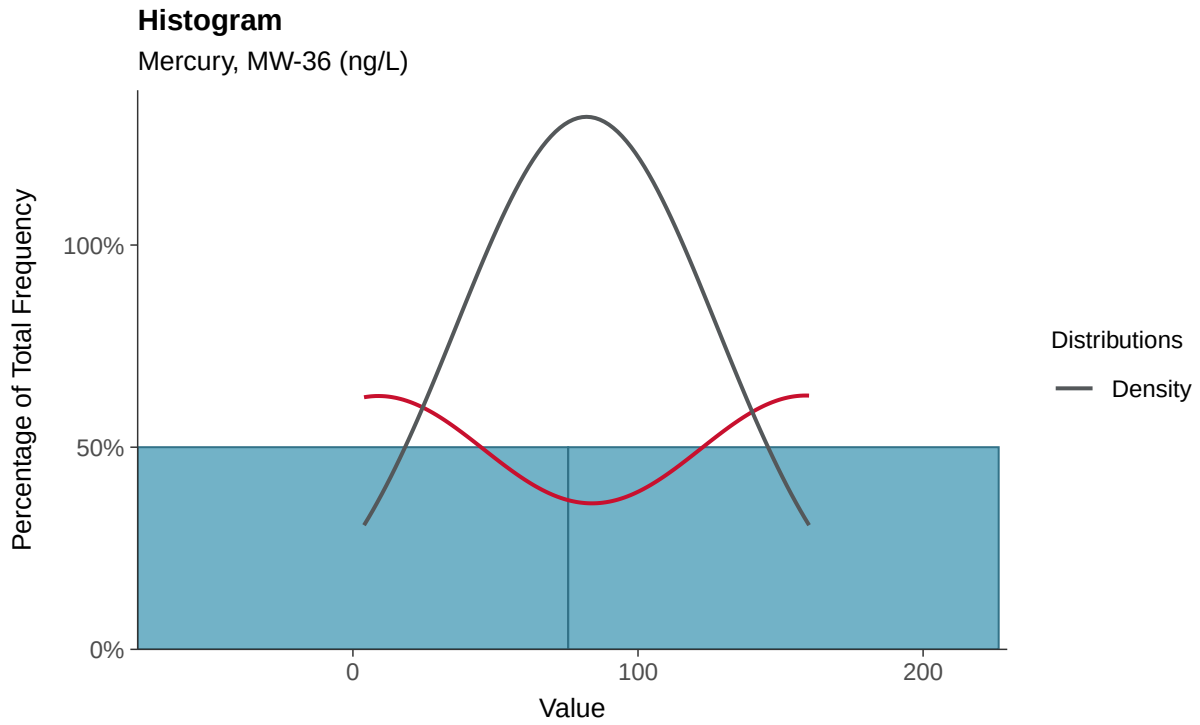
Lithium, MW-36 (mg/L)



Appendix IV: Mercury, MW-36

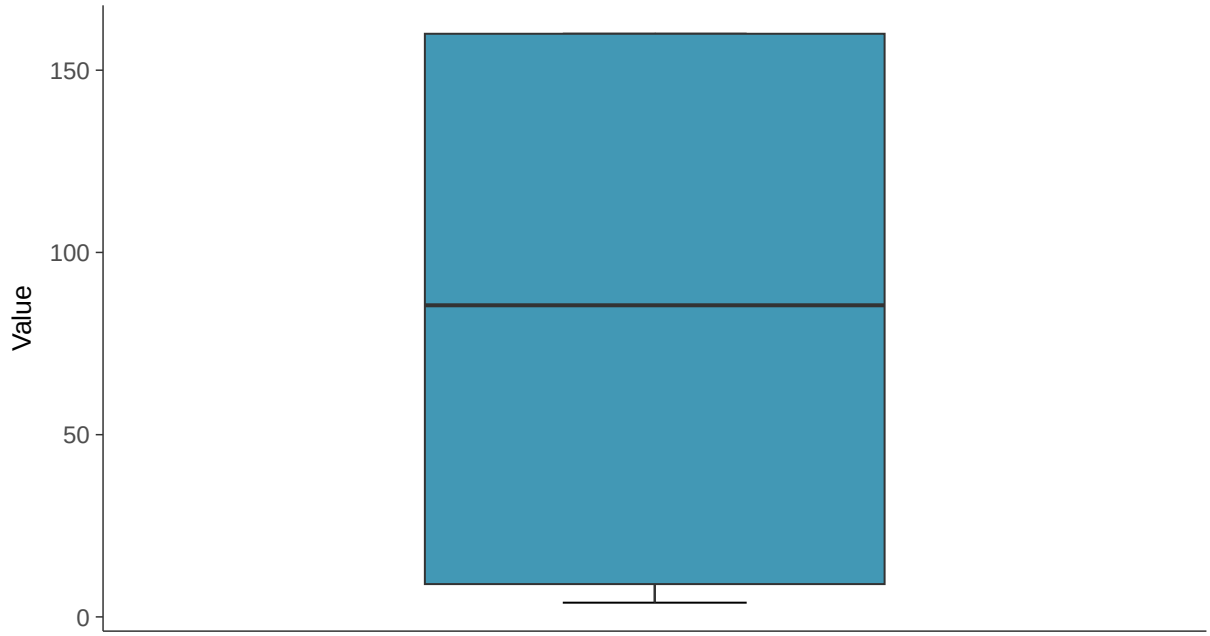
ID: 46_1_4_117





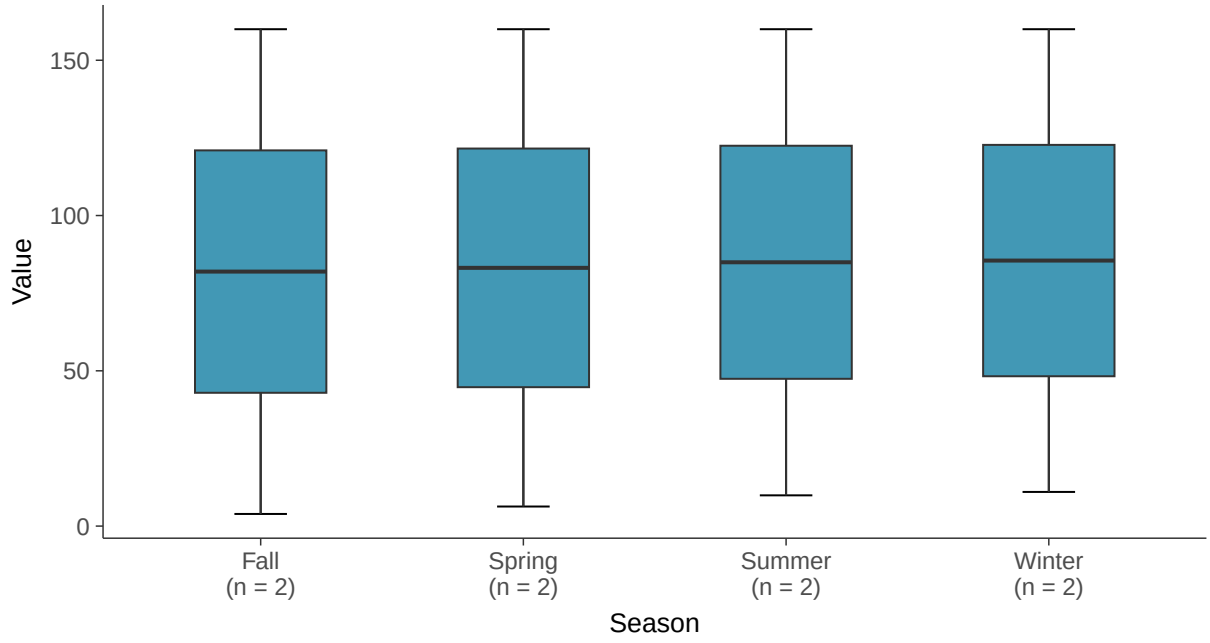
Boxplot

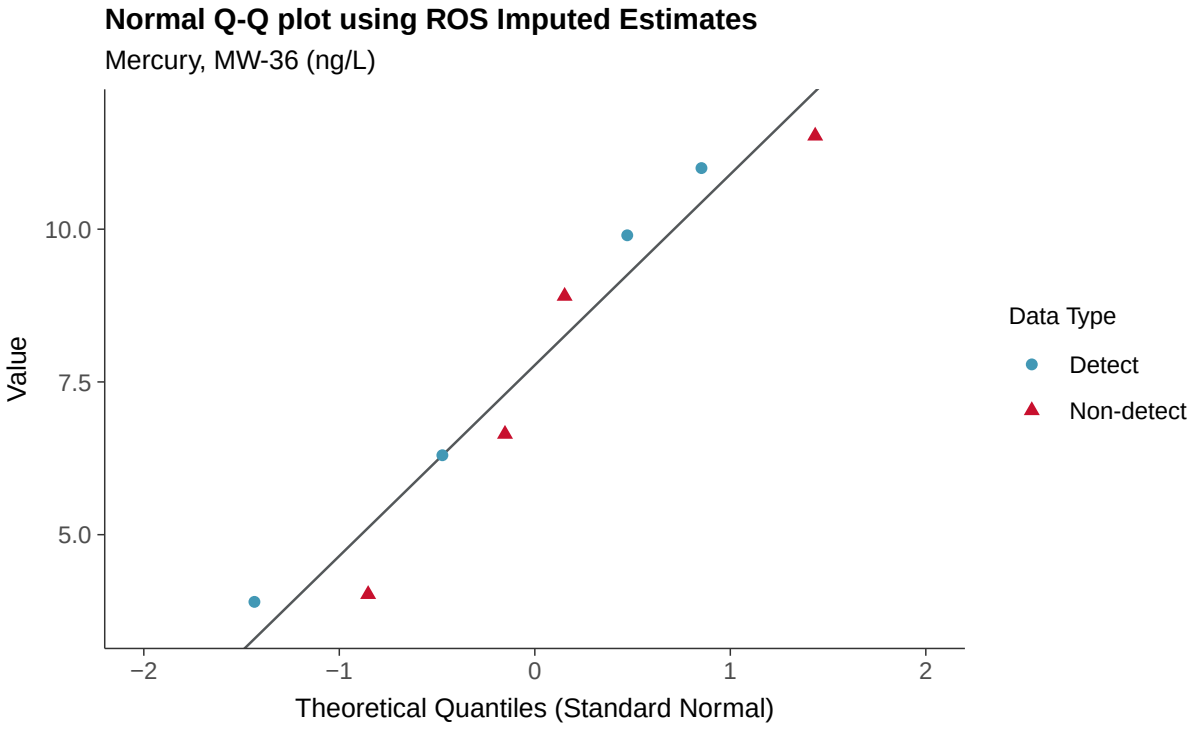
Mercury, MW-36 (ng/L)



Boxplot by Season

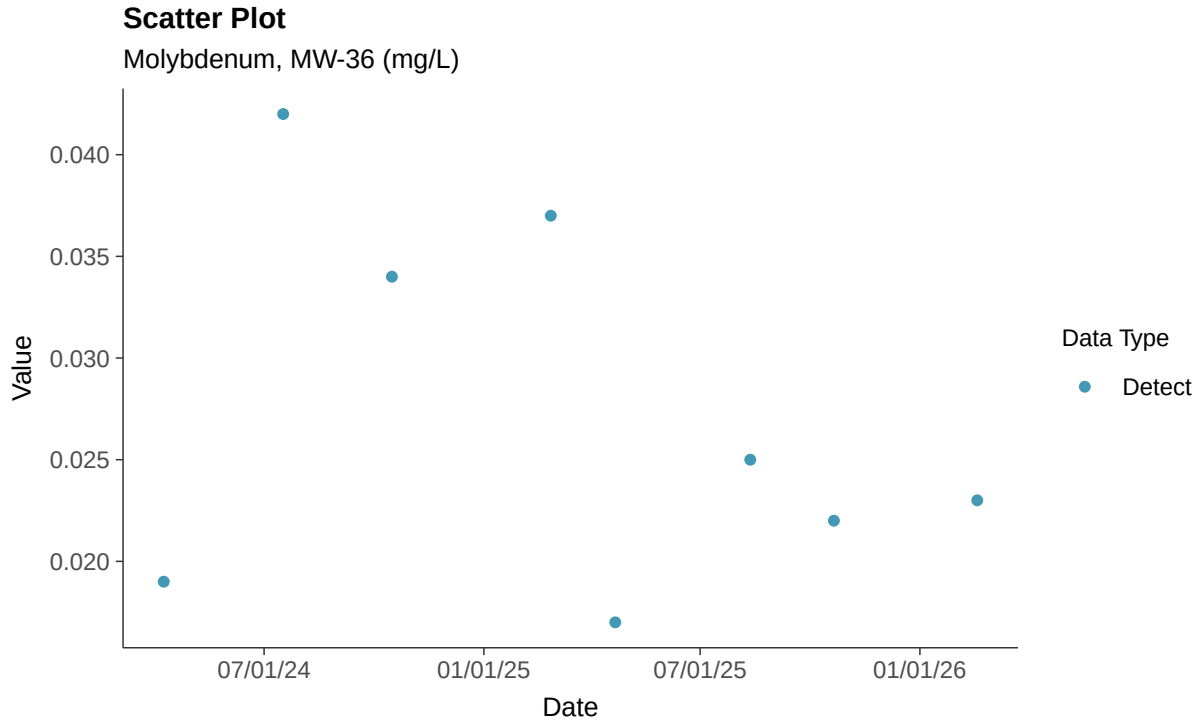
Mercury, MW-36 (ng/L)

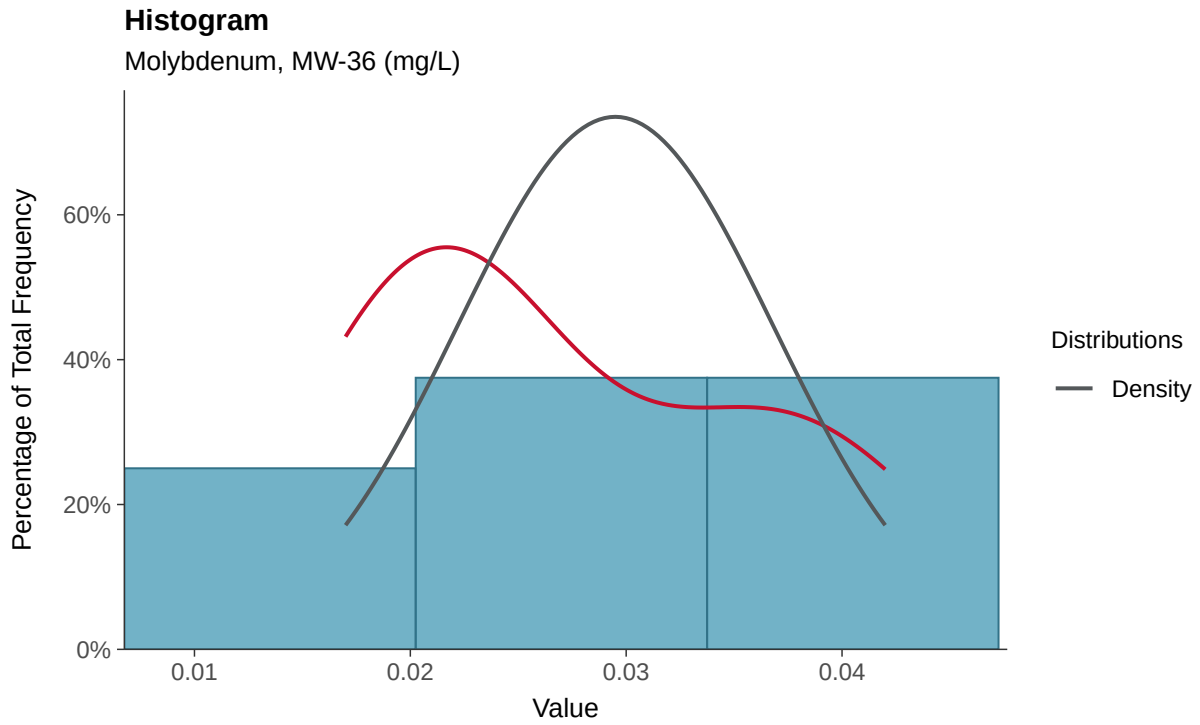



Normal Q-Q plot using ROS Imputed Estimates
Mercury, MW-36 (ng/L)
Value
10.0
7.5
5.0
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect
Non-detect

Appendix IV: Molybdenum, MW-36

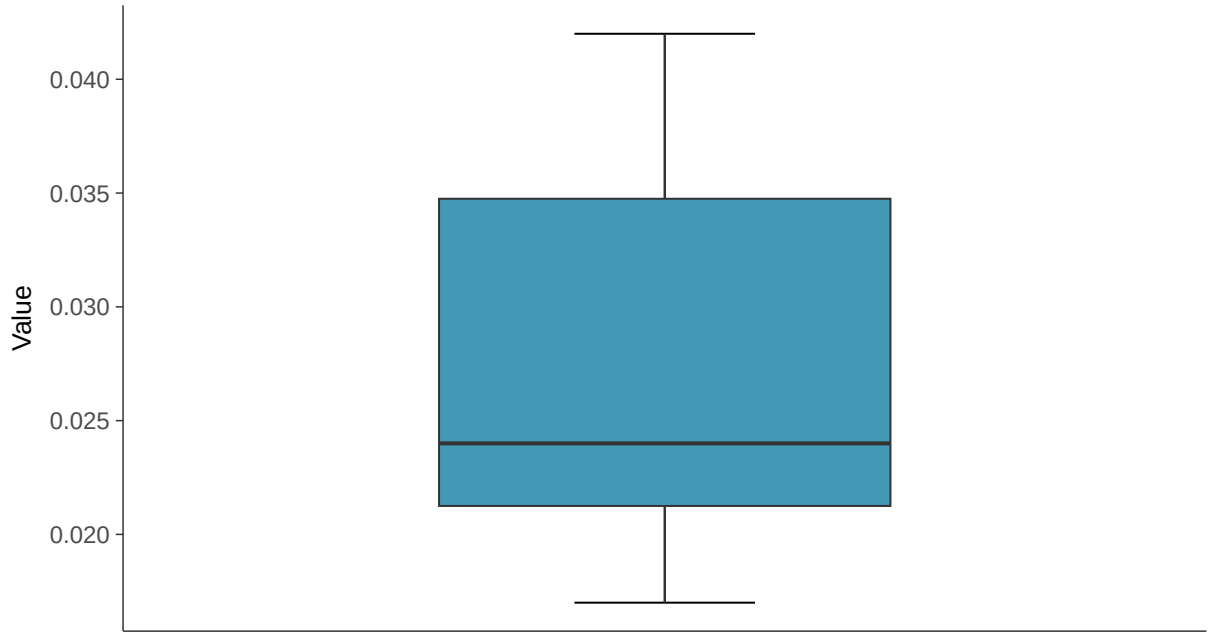
ID: 46_1_4_118





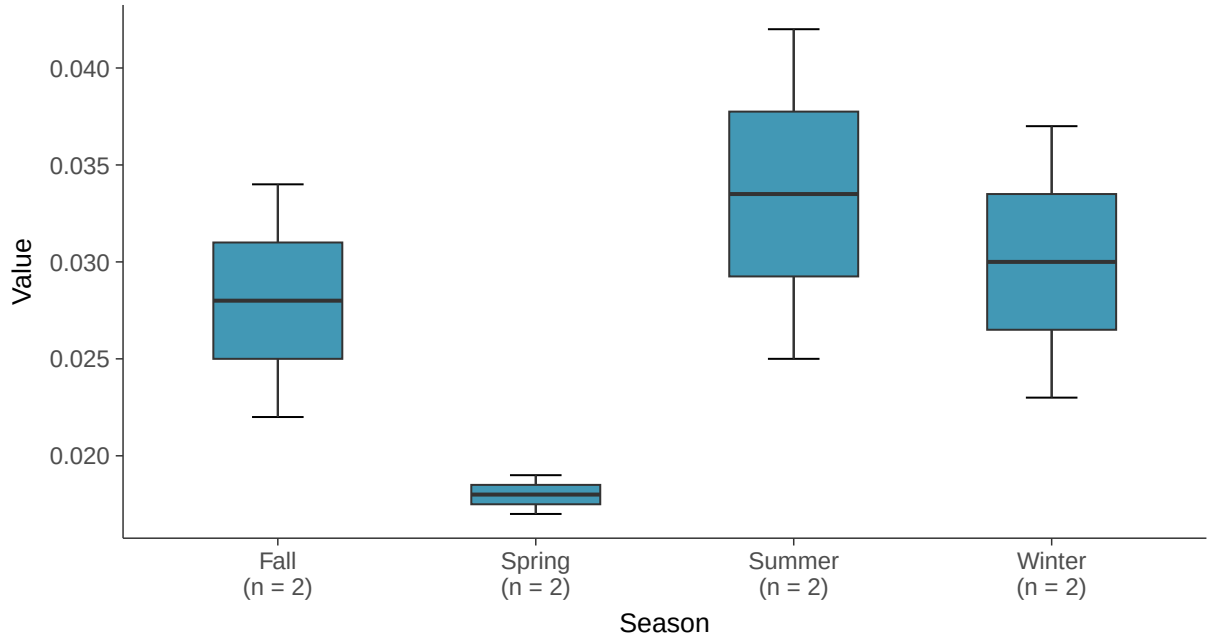
Boxplot

Molybdenum, MW-36 (mg/L)



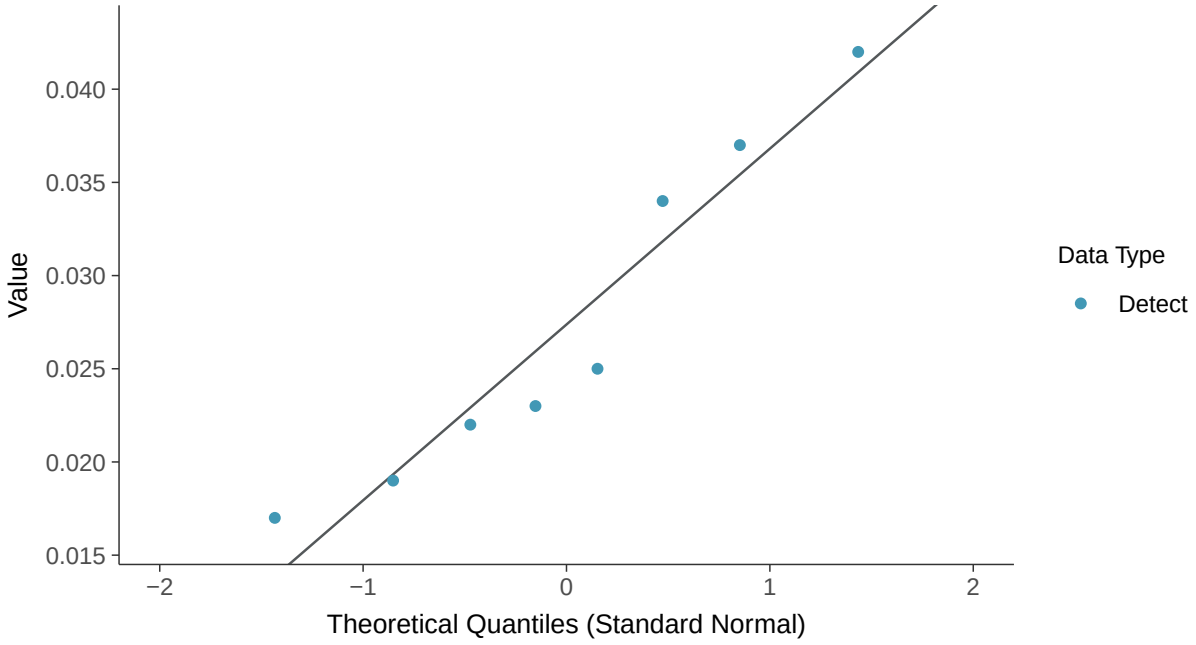
Boxplot by Season

Molybdenum, MW-36 (mg/L)



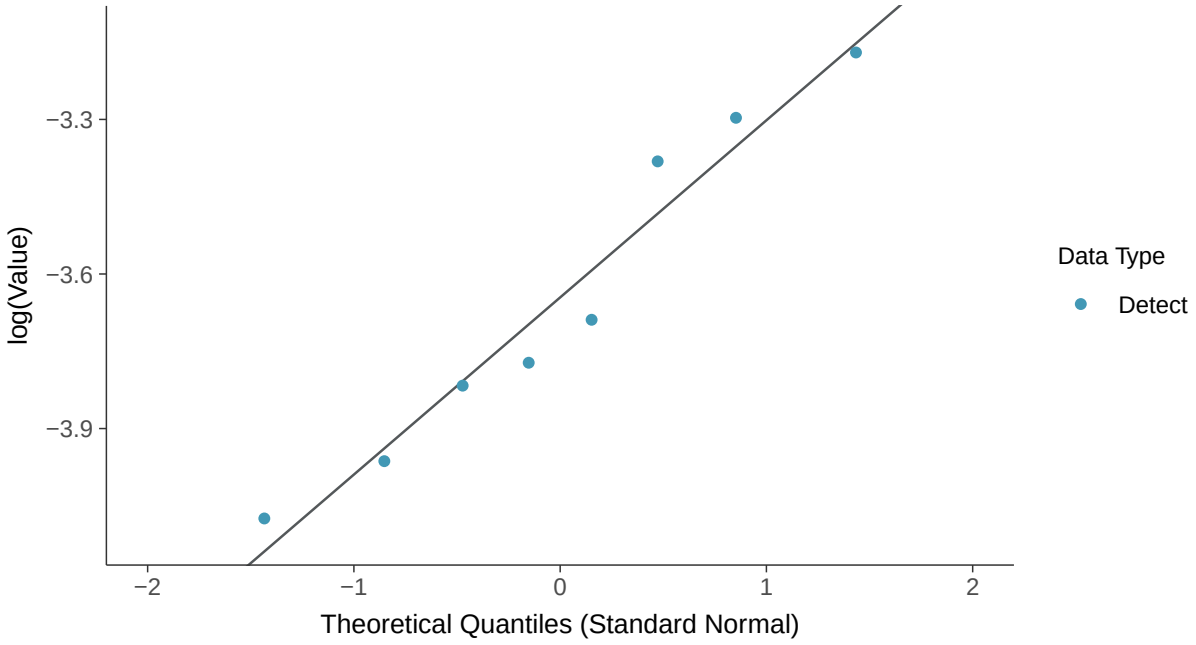
Normal Q-Q plot

Molybdenum, MW-36 (mg/L)



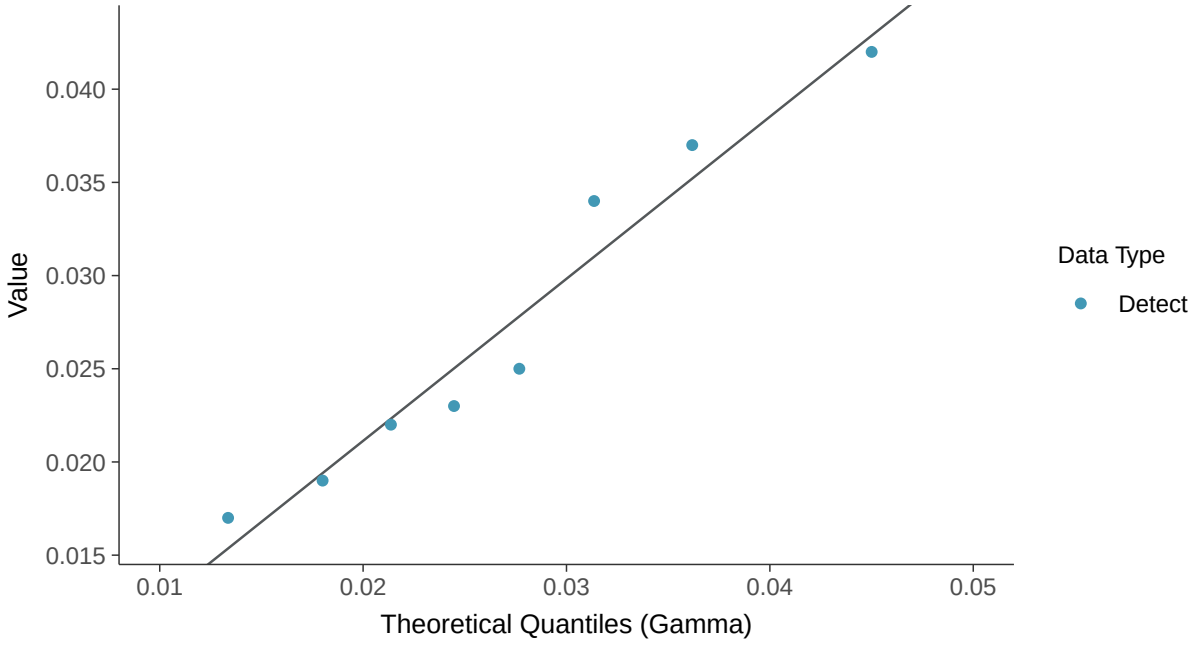
Lognormal Q-Q plot

Molybdenum, MW-36 (mg/L)



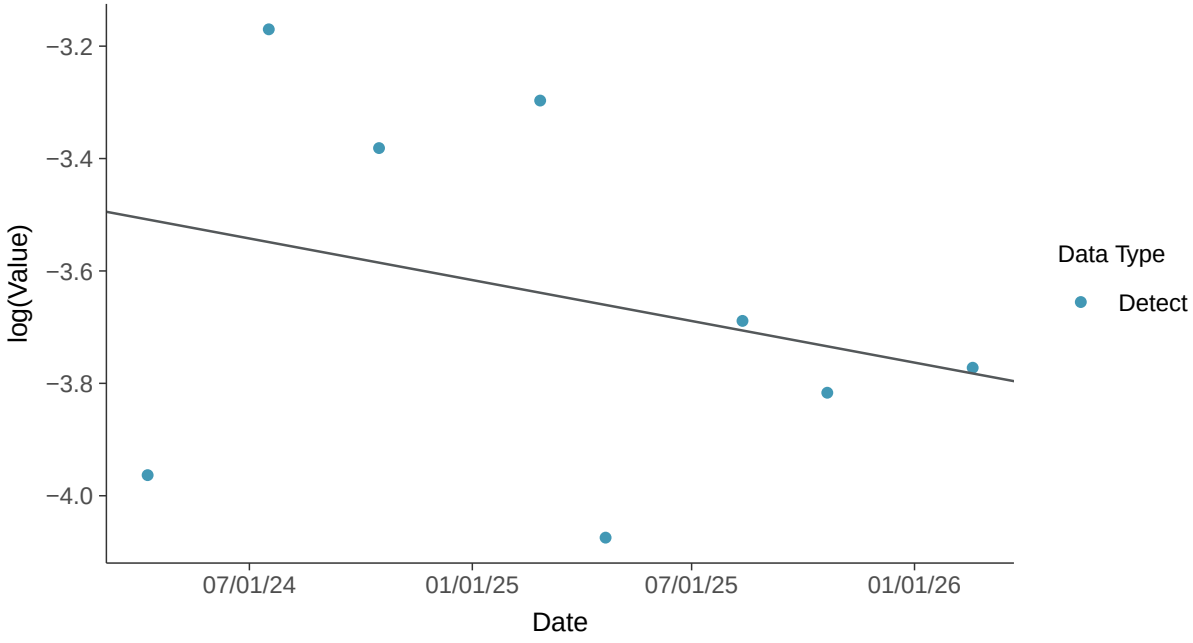
Gamma Q-Q plot

Molybdenum, MW-36 (mg/L)



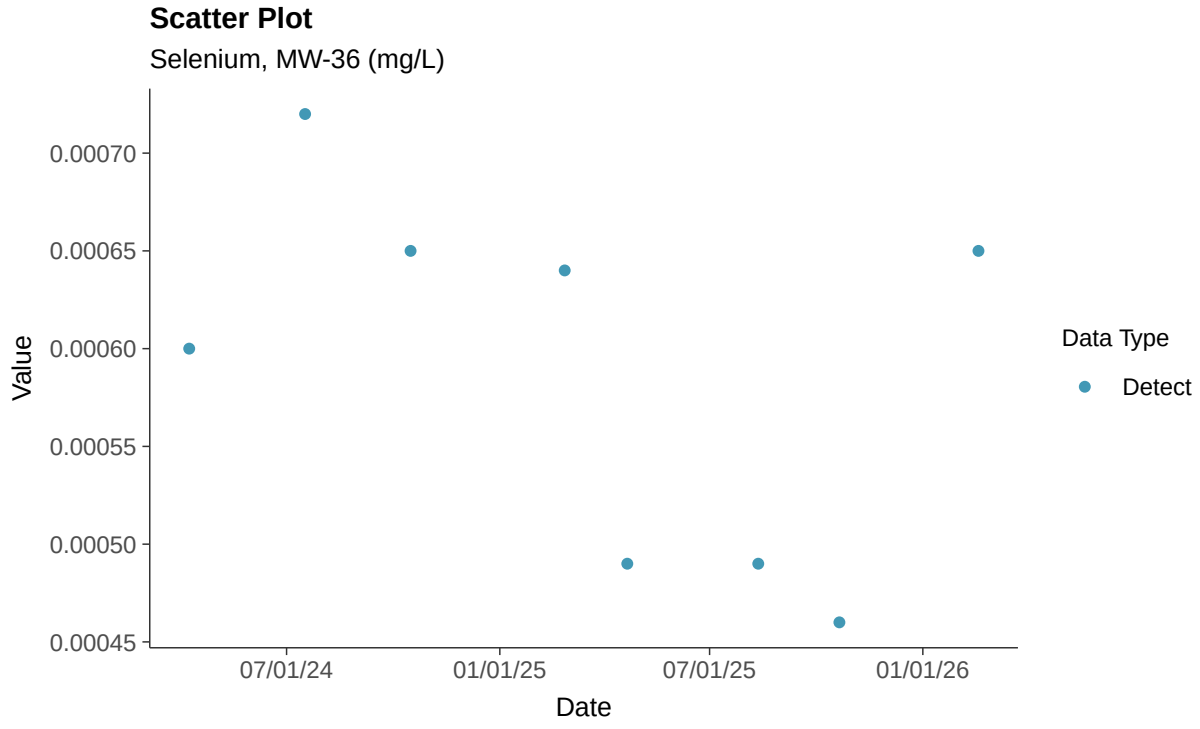
Trend Regression: Lognormal MLE

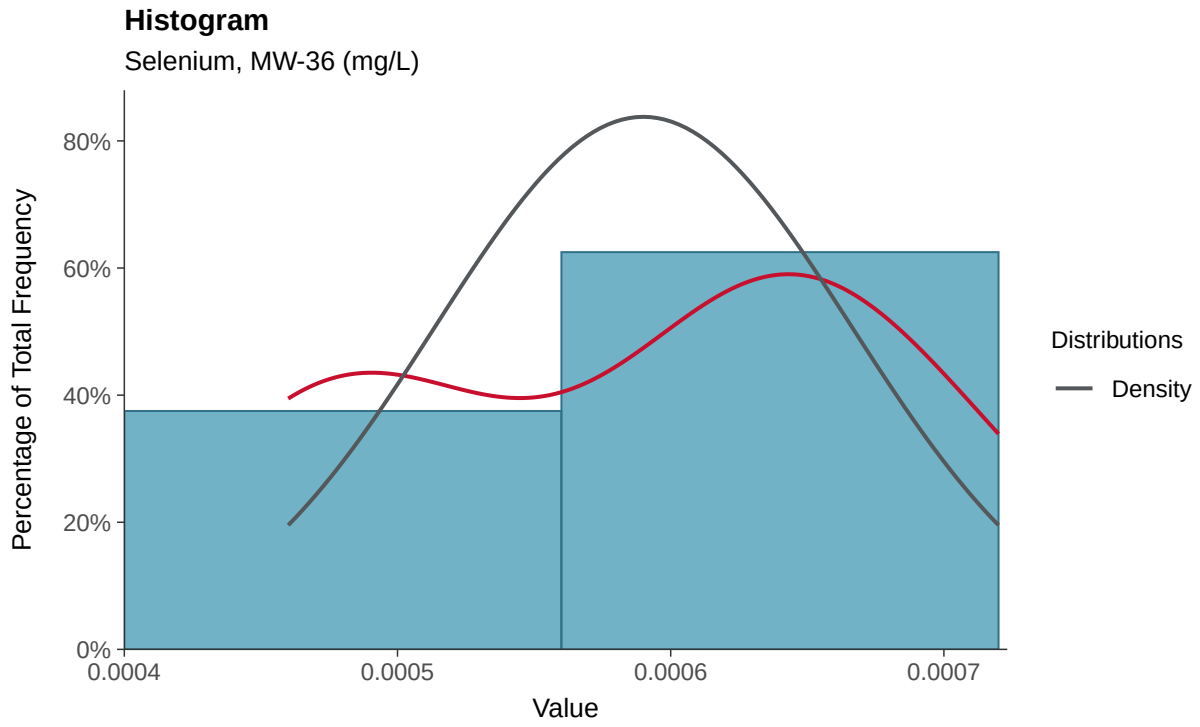
Molybdenum, MW-36 (mg/L)



Appendix IV: Selenium, MW-36

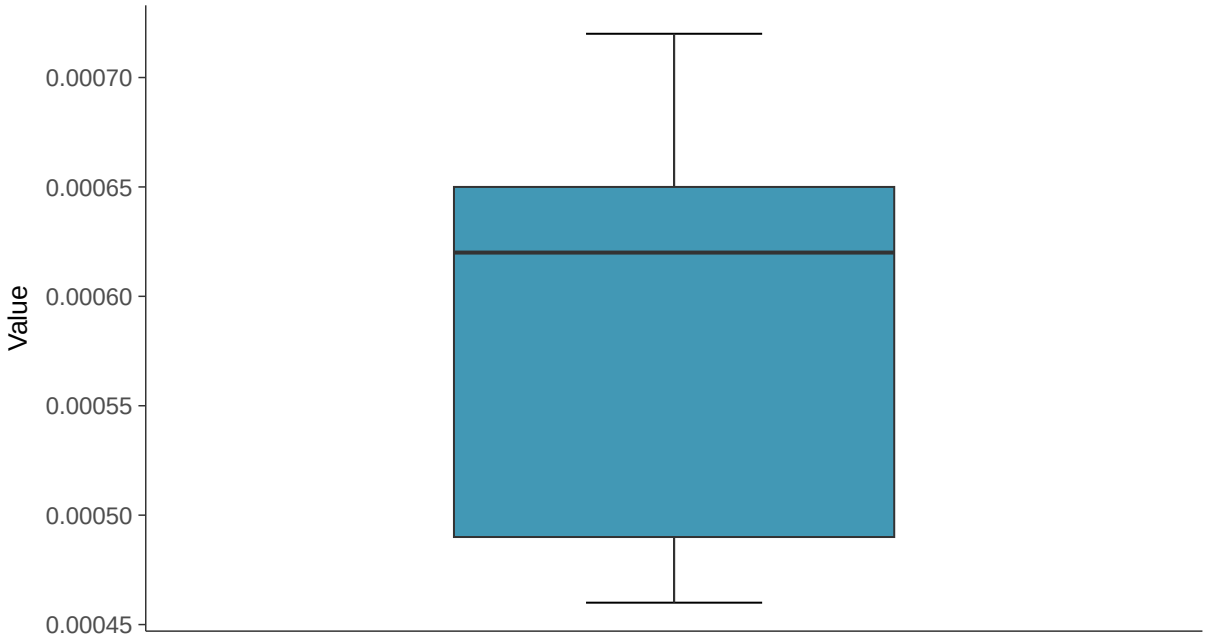
ID: 46_1_4_122





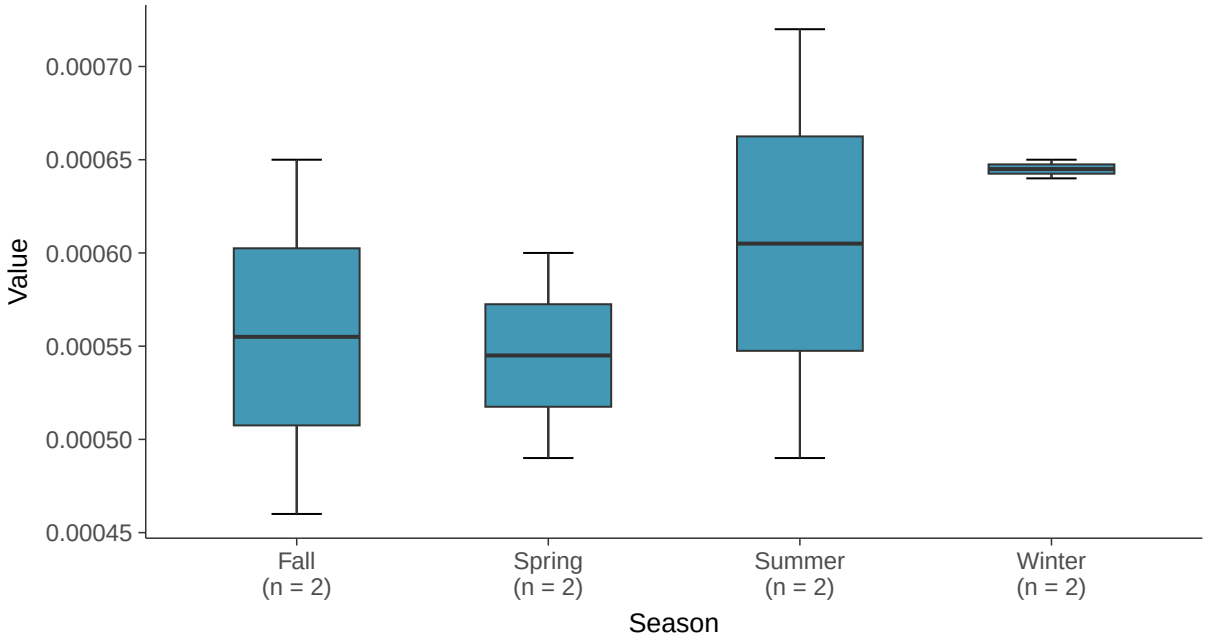
Boxplot

Selenium, MW-36 (mg/L)



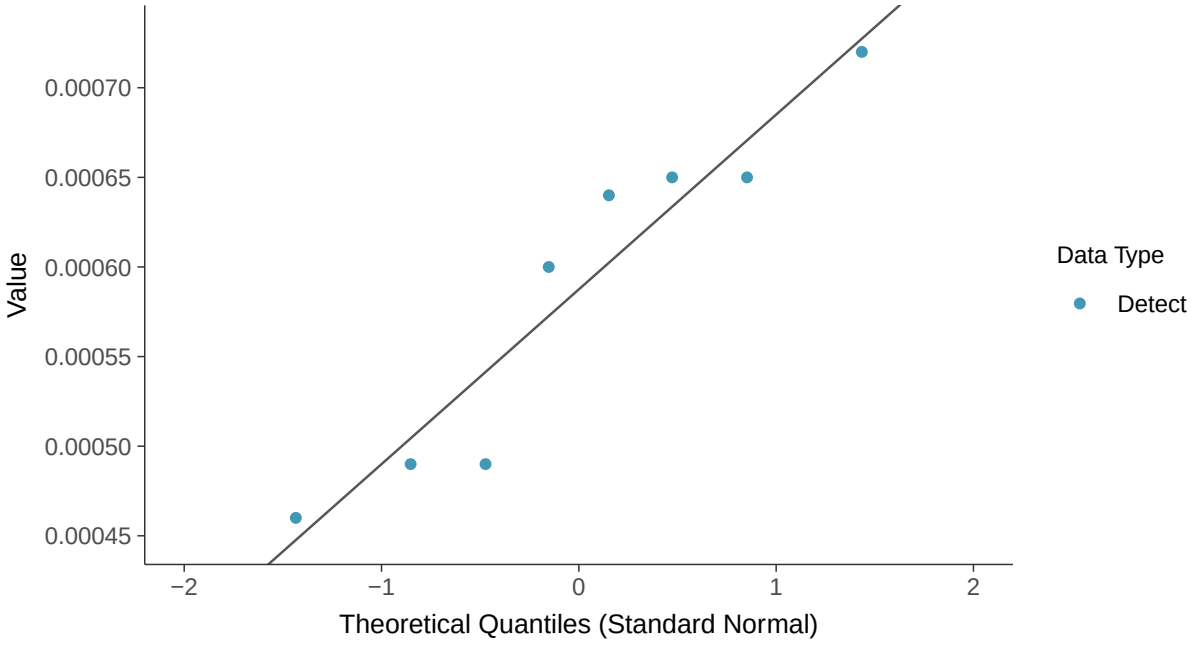
Boxplot by Season

Selenium, MW-36 (mg/L)



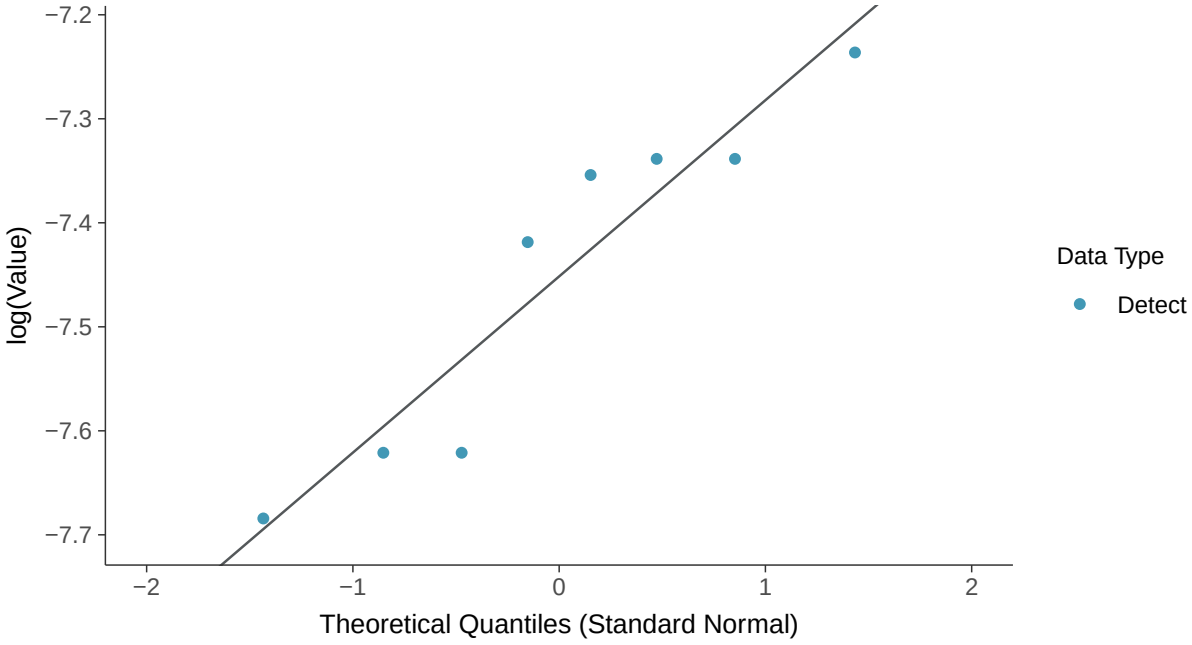
Normal Q-Q plot

Selenium, MW-36 (mg/L)



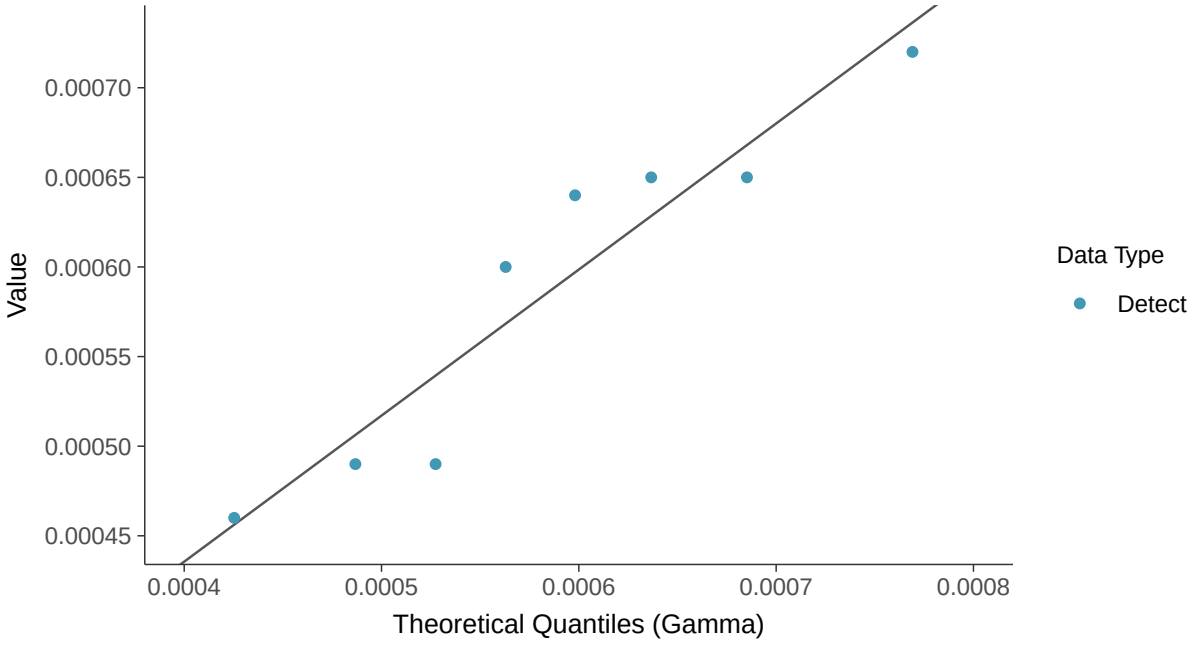
Lognormal Q-Q plot

Selenium, MW-36 (mg/L)



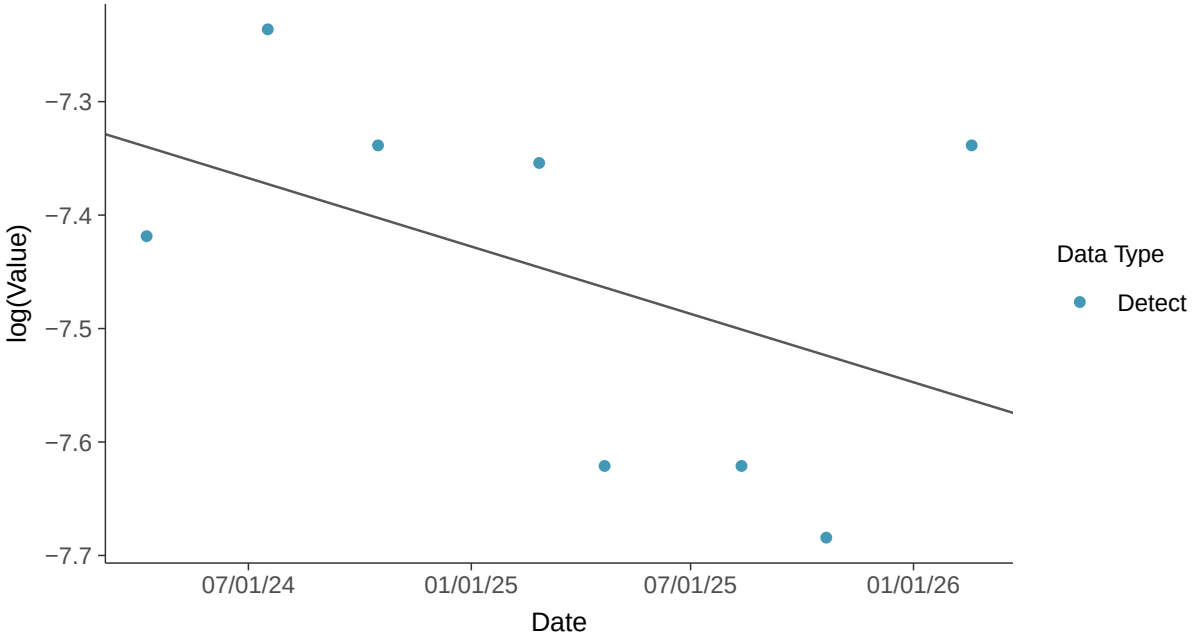
Gamma Q-Q plot

Selenium, MW-36 (mg/L)



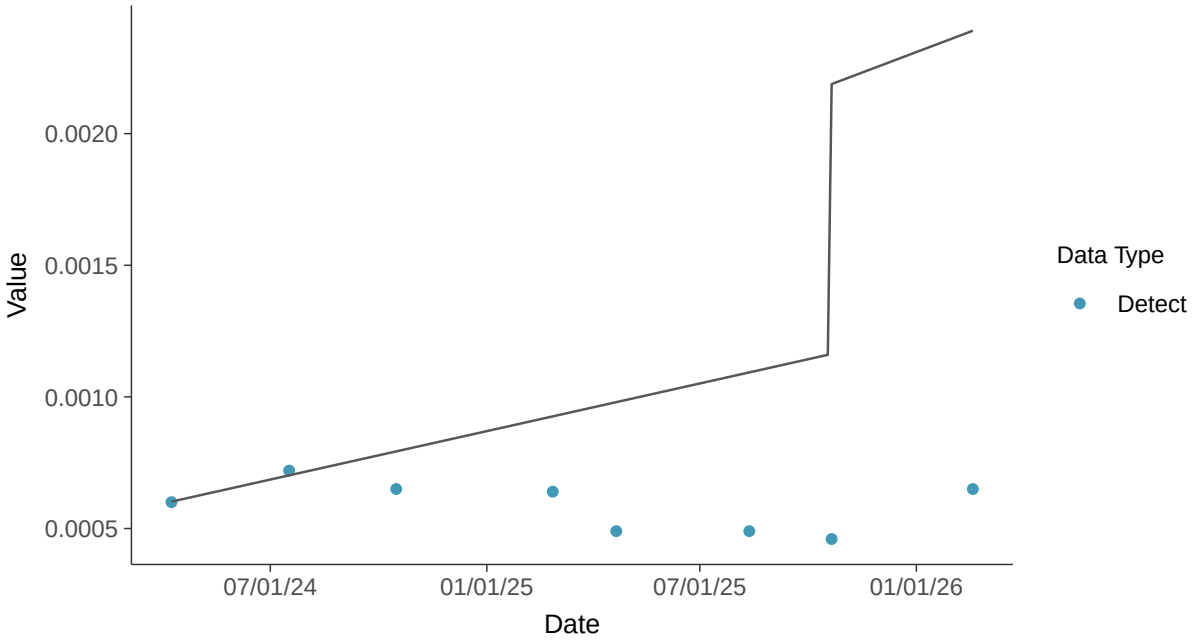
Trend Regression: Lognormal MLE

Selenium, MW-36 (mg/L)



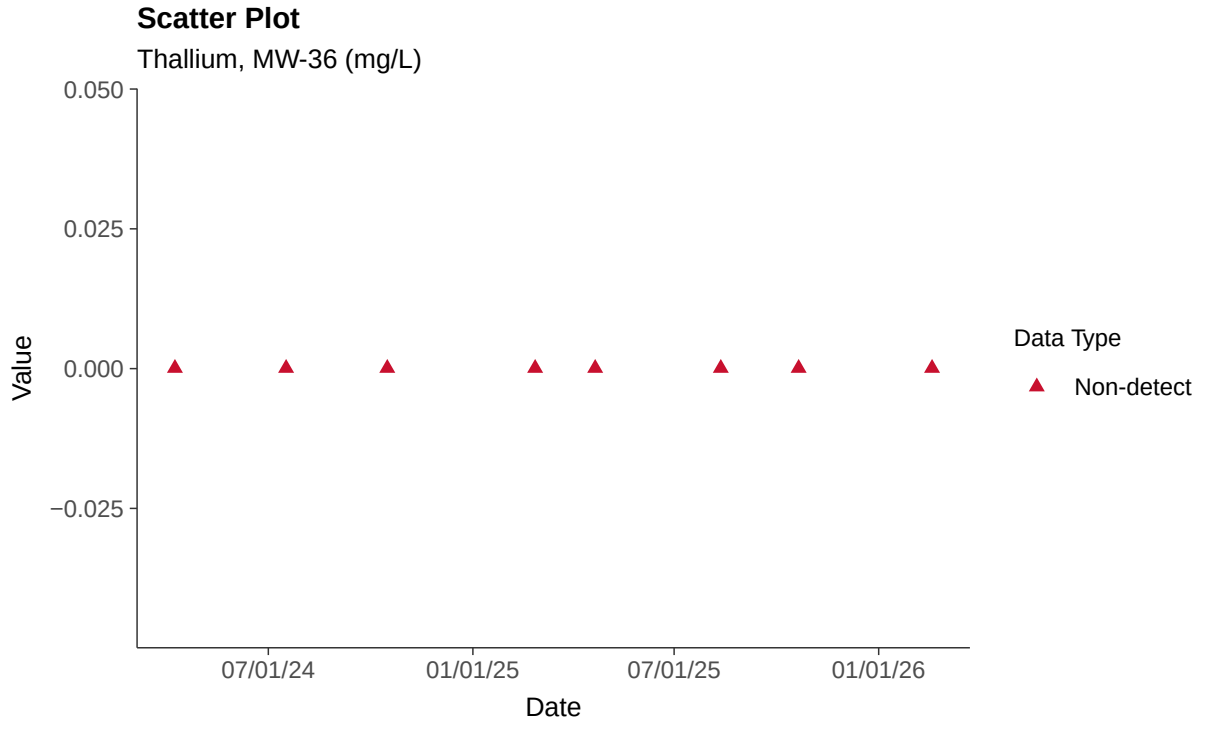
Trend Regression: Piecewise Linear-Linear-Linear

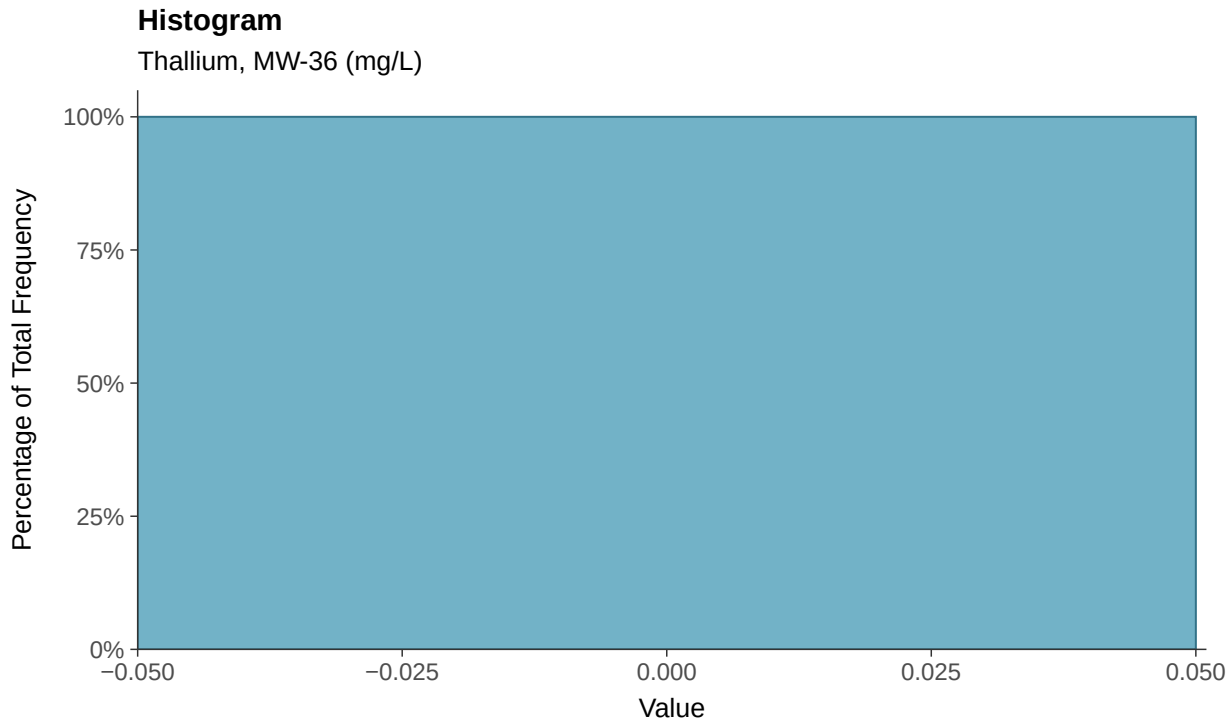
Selenium, MW-36 (mg/L)



Appendix IV: Thallium, MW-36

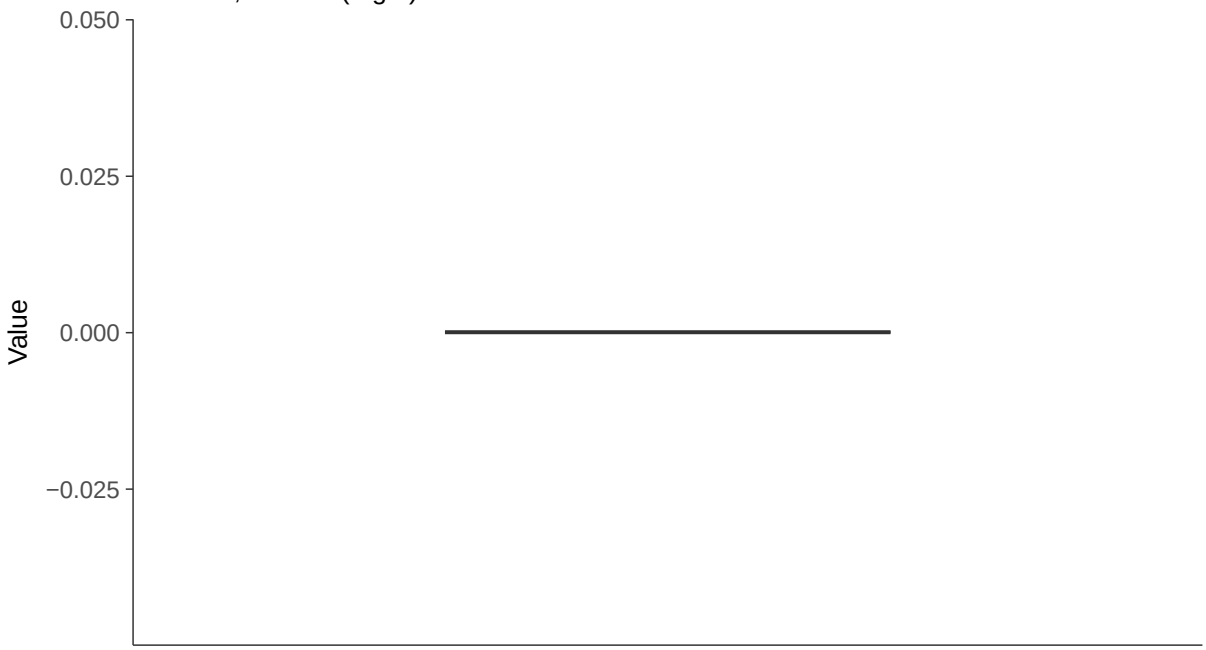
ID: 46_1_4_125





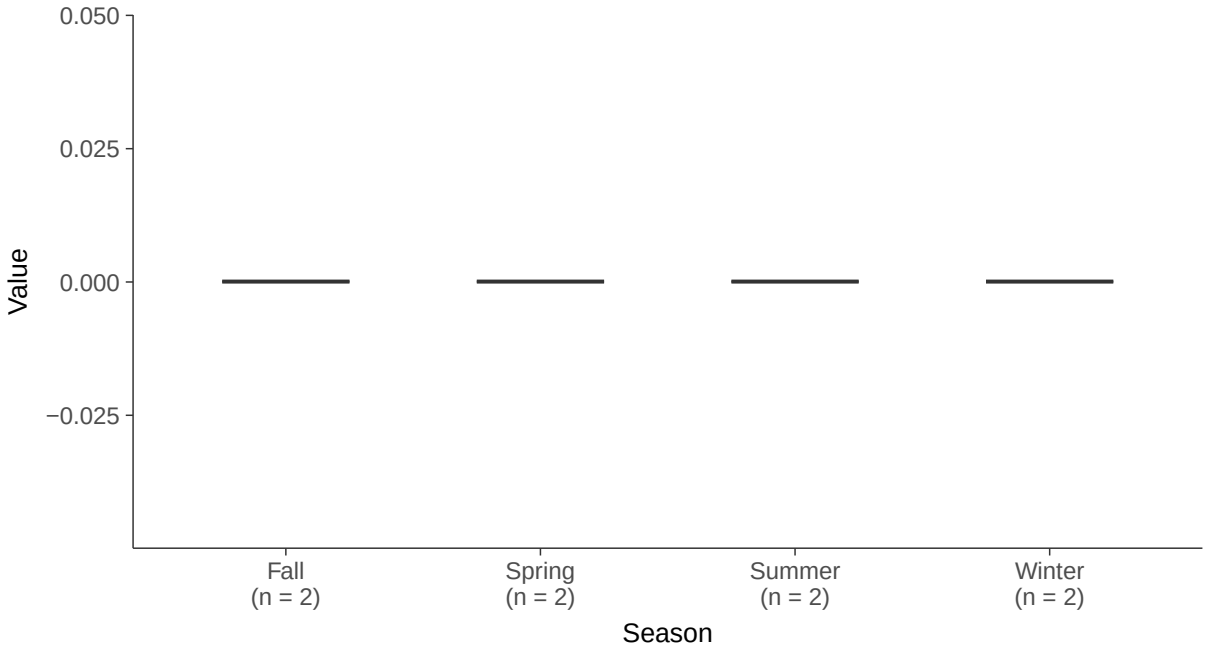
Boxplot

Thallium, MW-36 (mg/L)



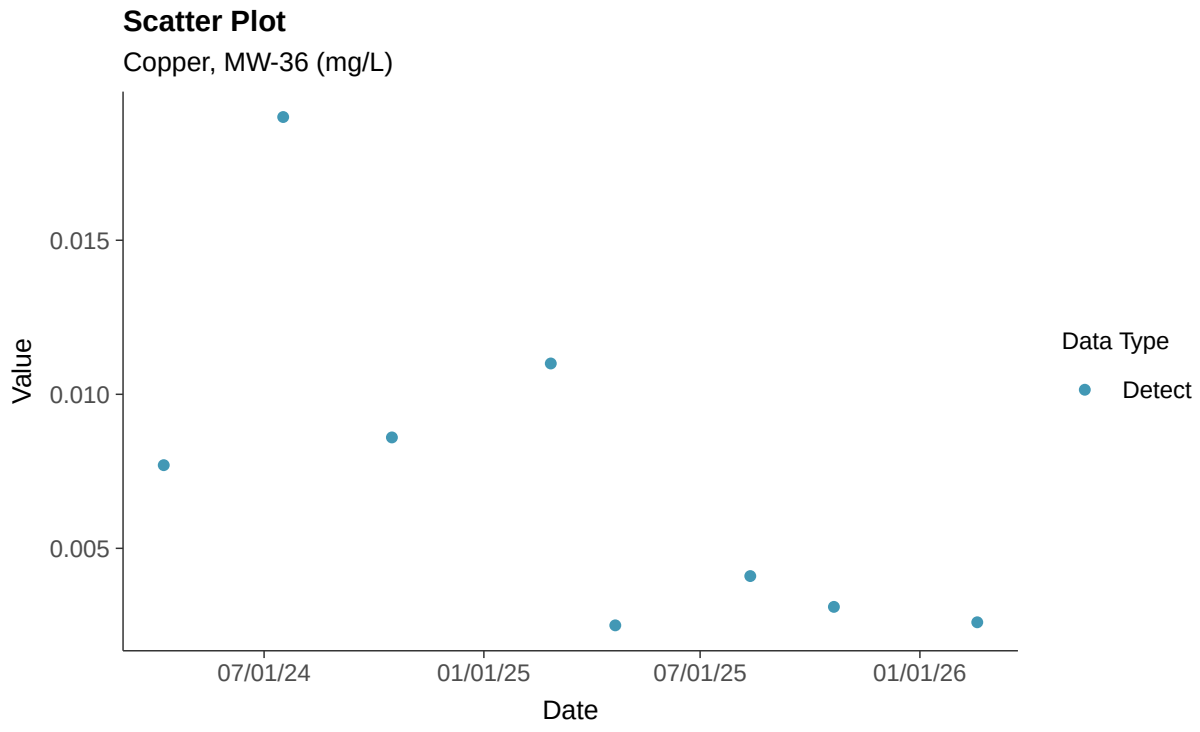
Boxplot by Season

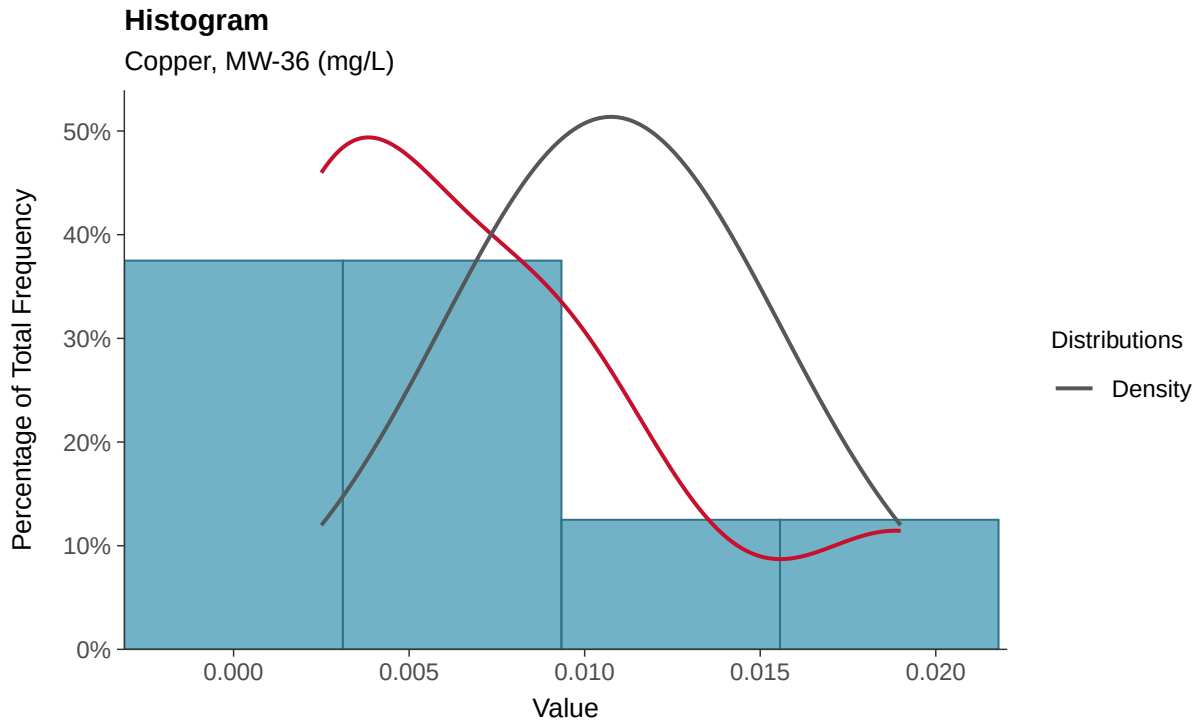
Thallium, MW-36 (mg/L)



Part 115: Copper, MW-36

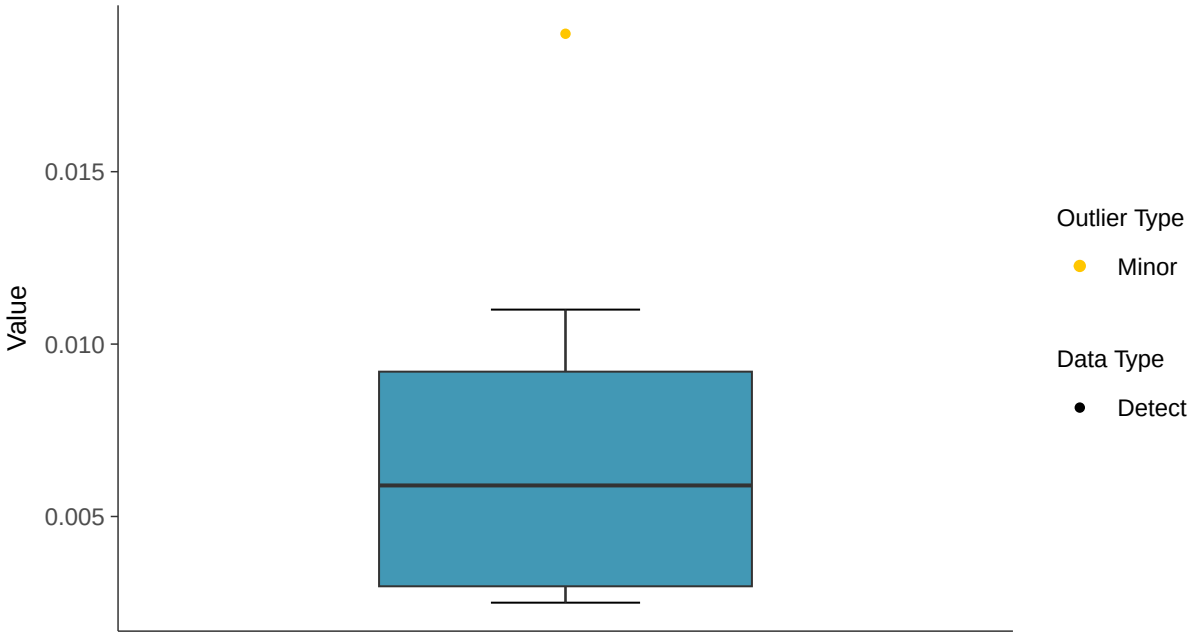
ID: 46_1_5_111





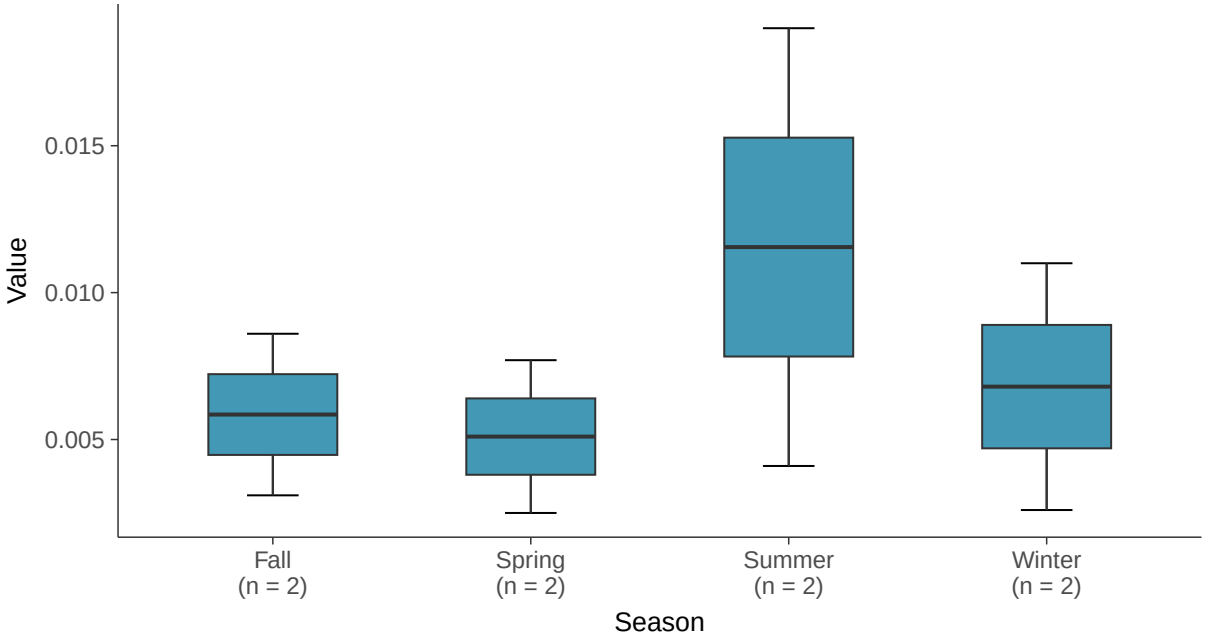
Boxplot

Copper, MW-36 (mg/L)



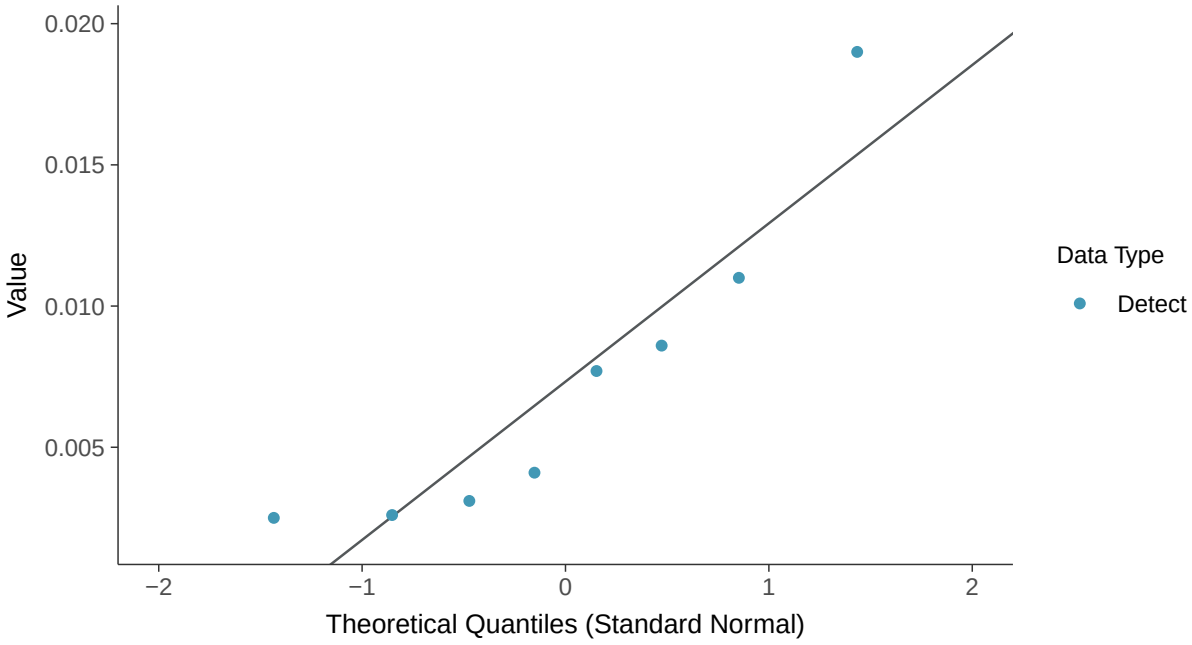
Boxplot by Season

Copper, MW-36 (mg/L)



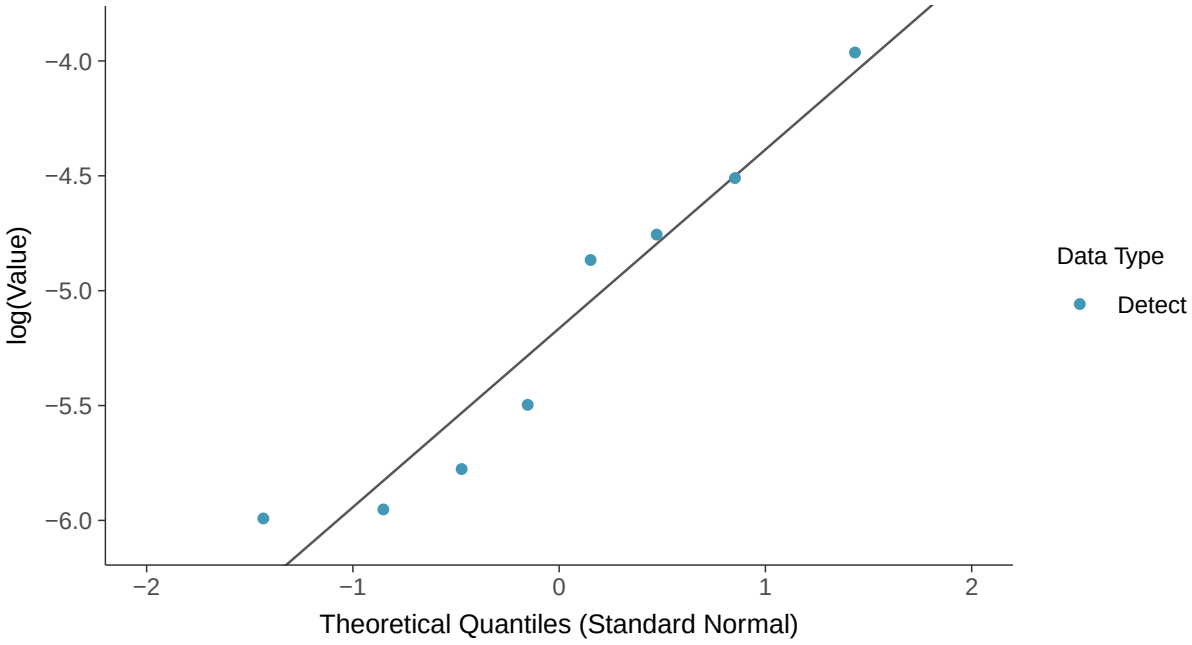
Normal Q-Q plot

Copper, MW-36 (mg/L)



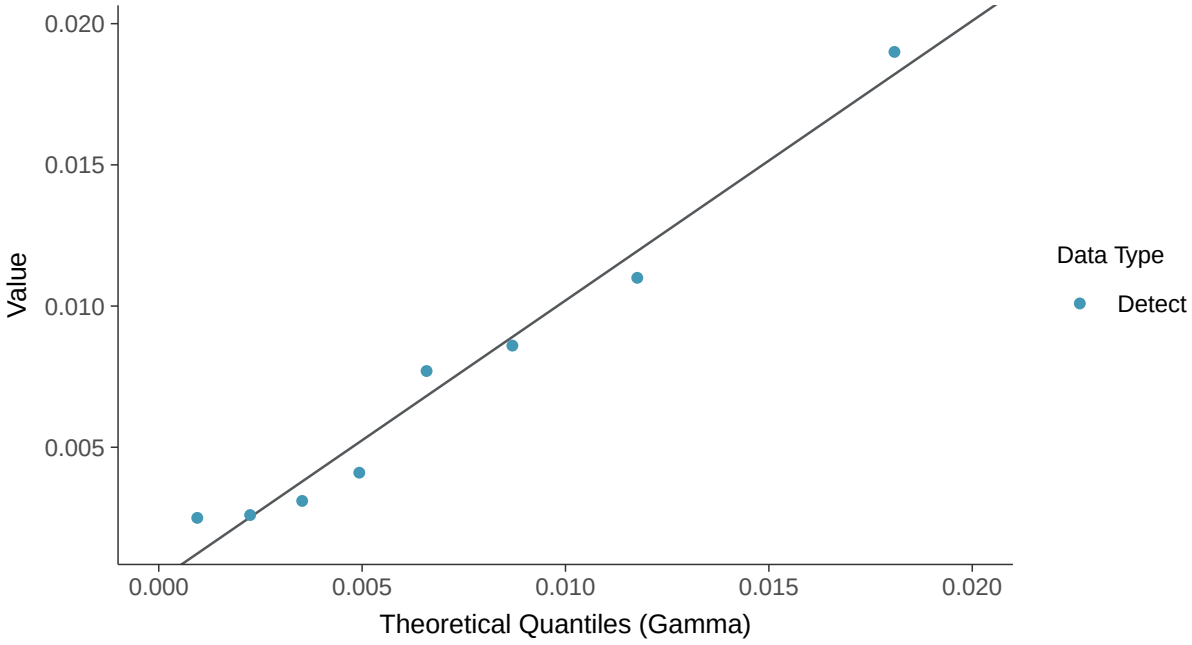
Lognormal Q-Q plot

Copper, MW-36 (mg/L)



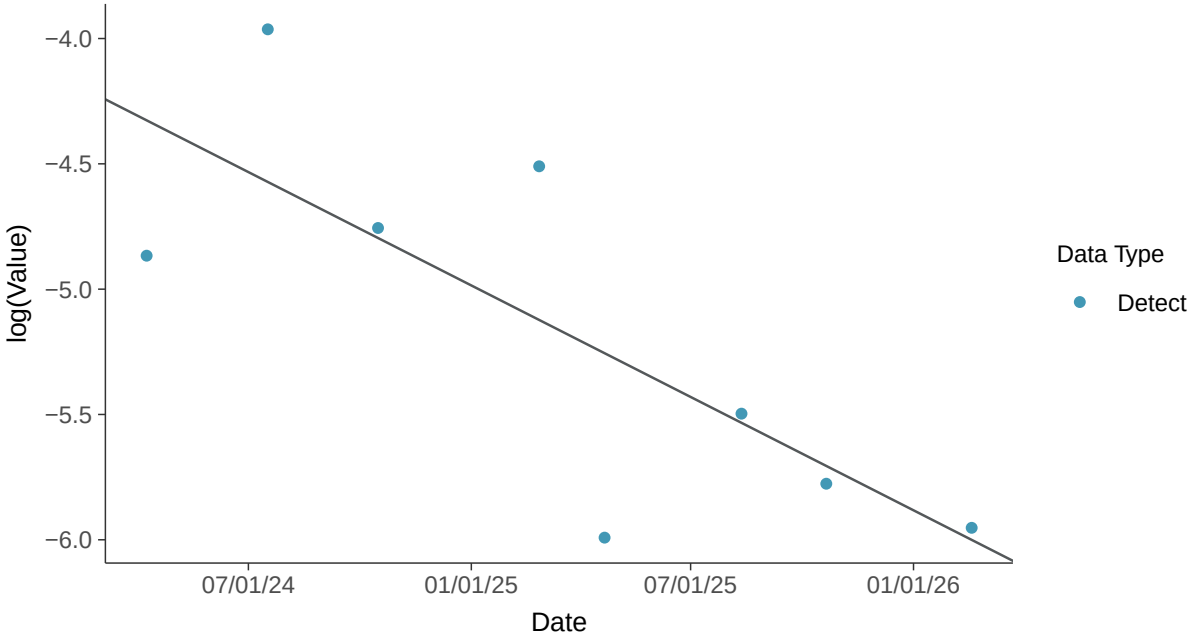
Gamma Q-Q plot

Copper, MW-36 (mg/L)



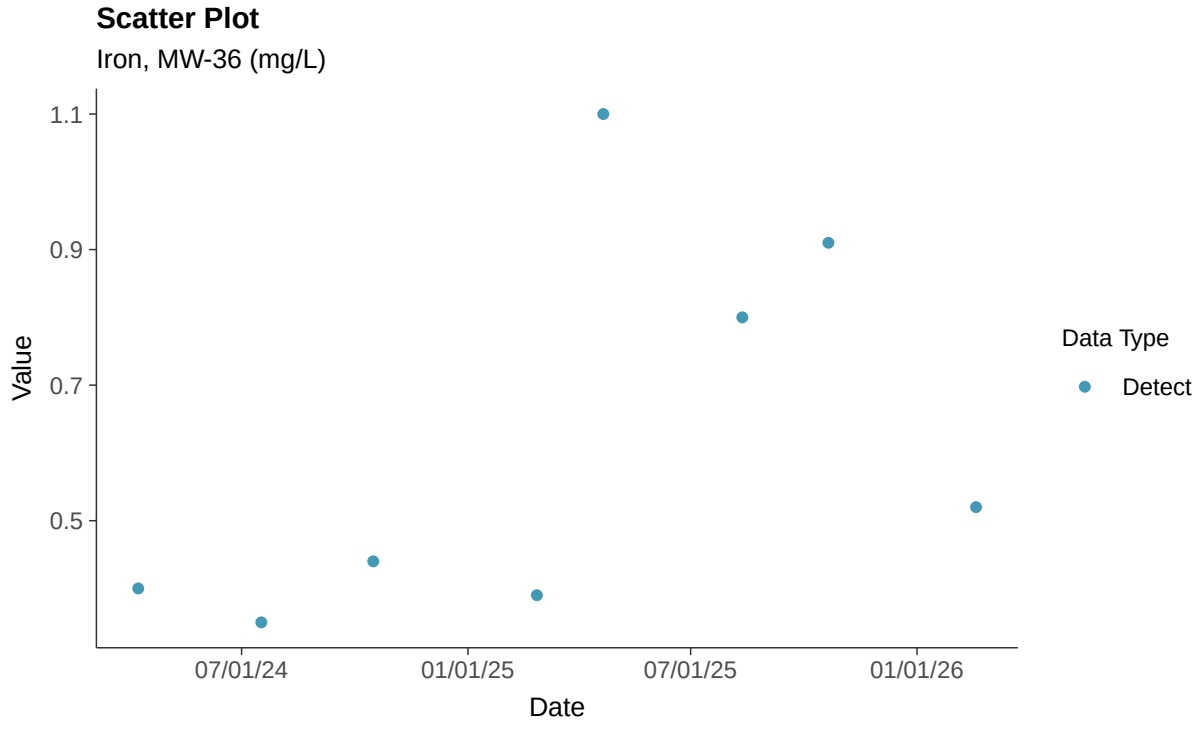
Trend Regression: Lognormal MLE

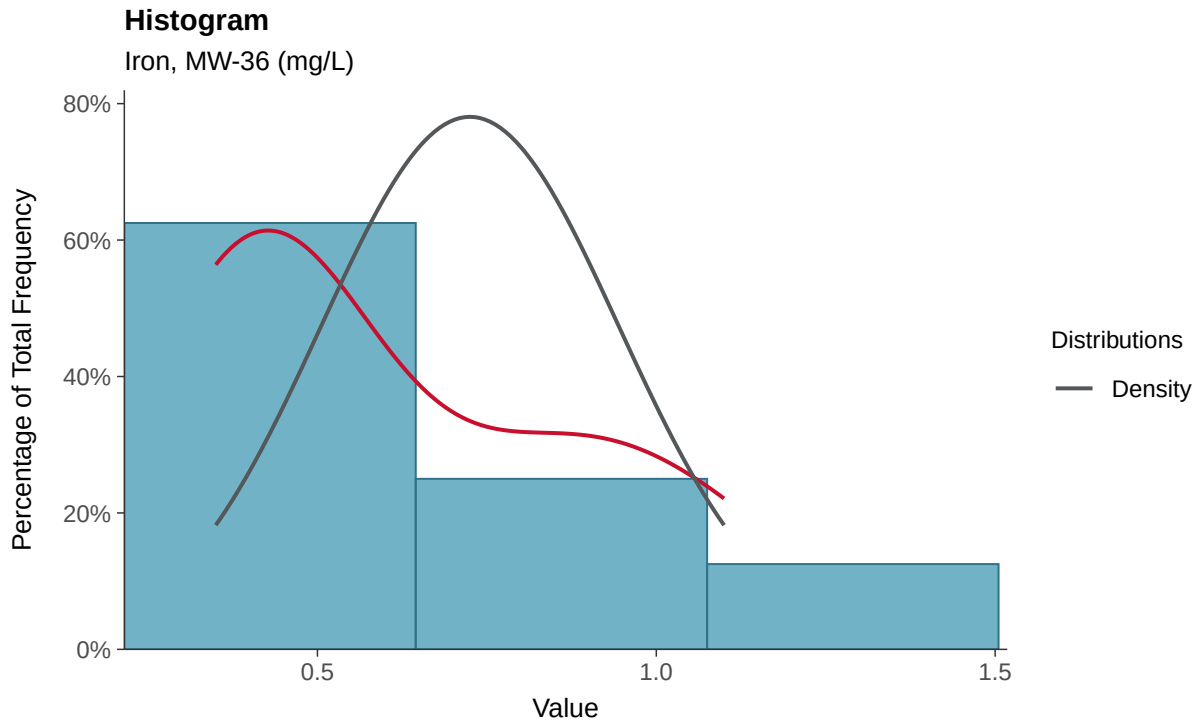
Copper, MW-36 (mg/L)



Part 115: Iron, MW-36

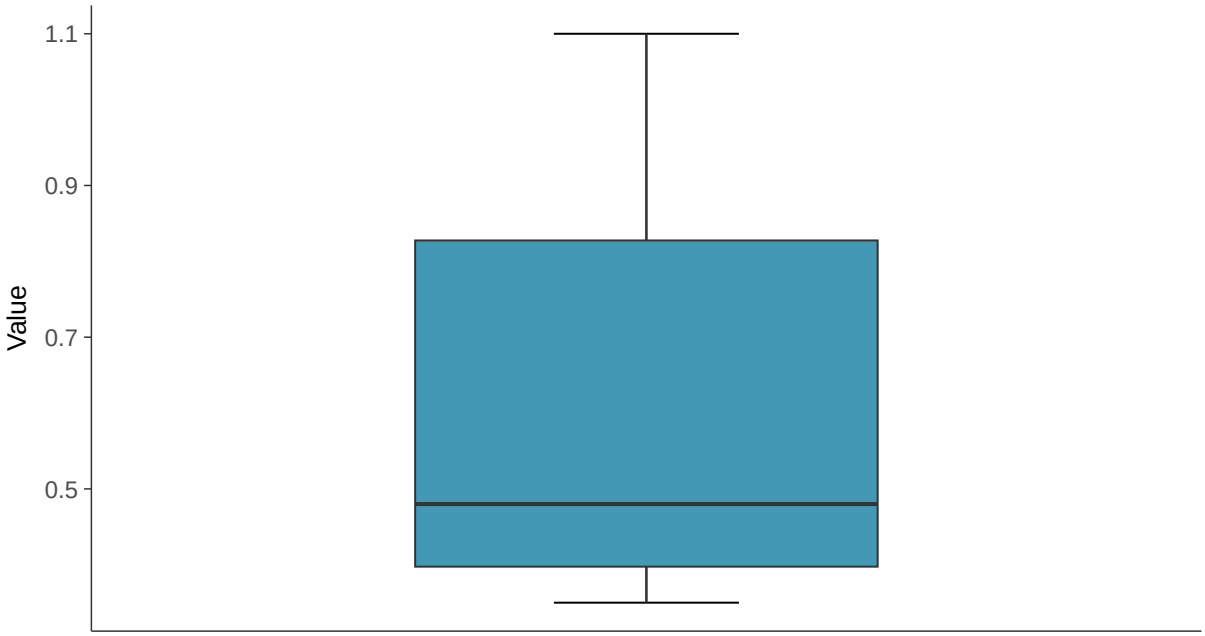
ID: 46_1_5_114





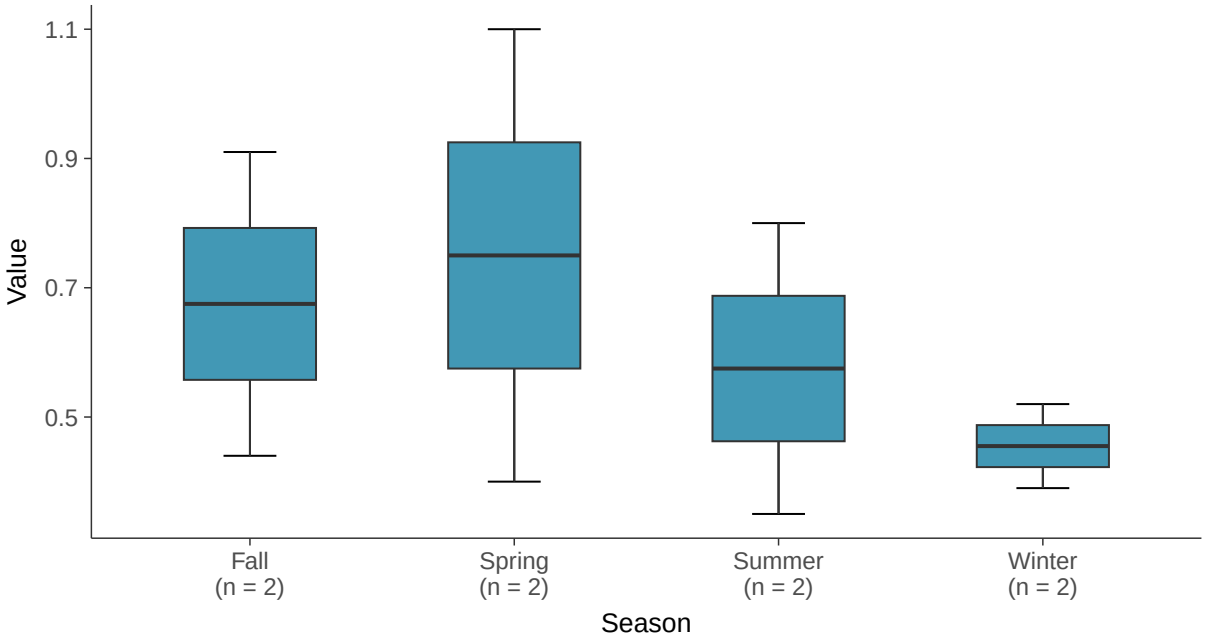
Boxplot

Iron, MW-36 (mg/L)



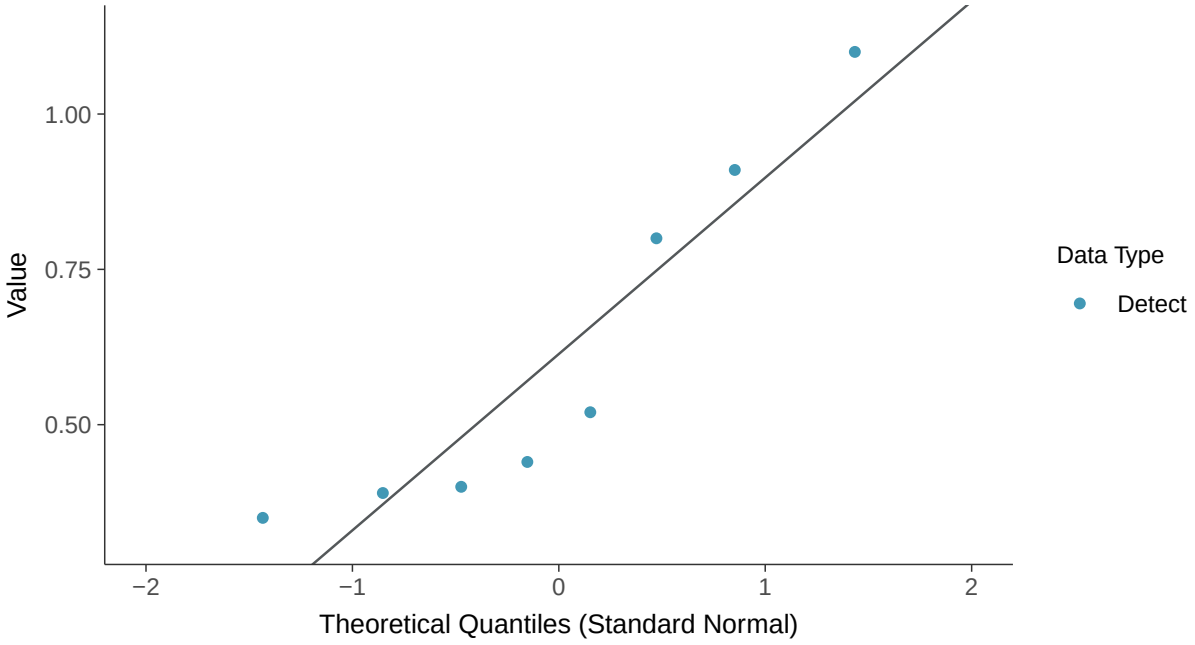
Boxplot by Season

Iron, MW-36 (mg/L)



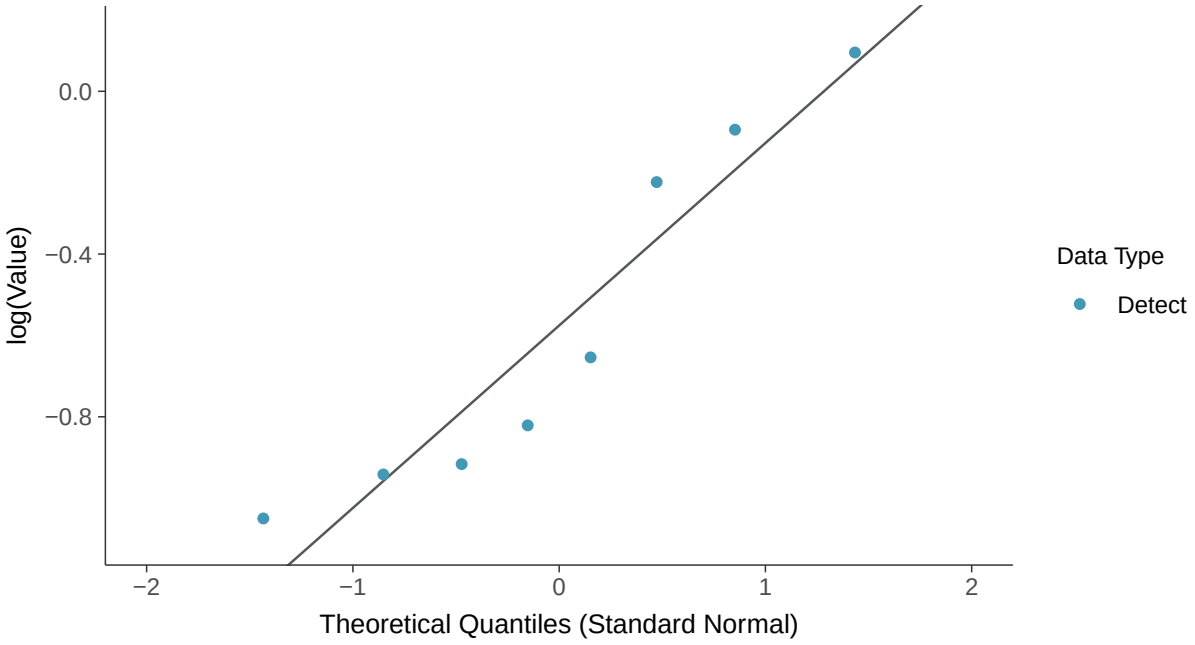
Normal Q-Q plot

Iron, MW-36 (mg/L)



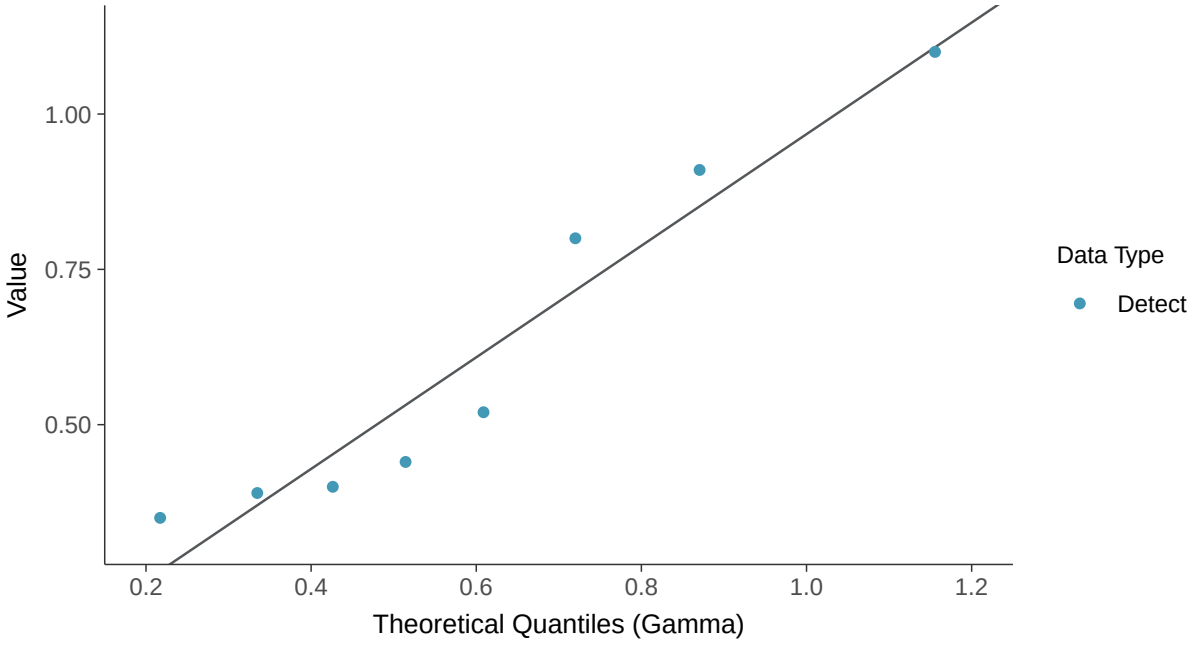
Lognormal Q-Q plot

Iron, MW-36 (mg/L)



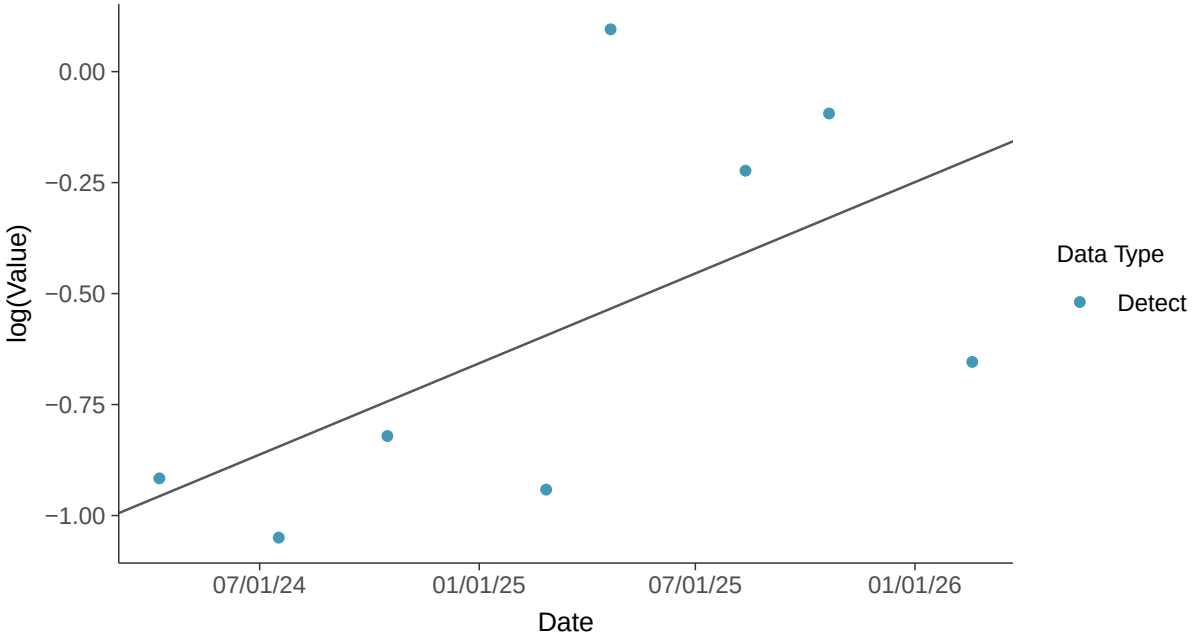
Gamma Q-Q plot

Iron, MW-36 (mg/L)



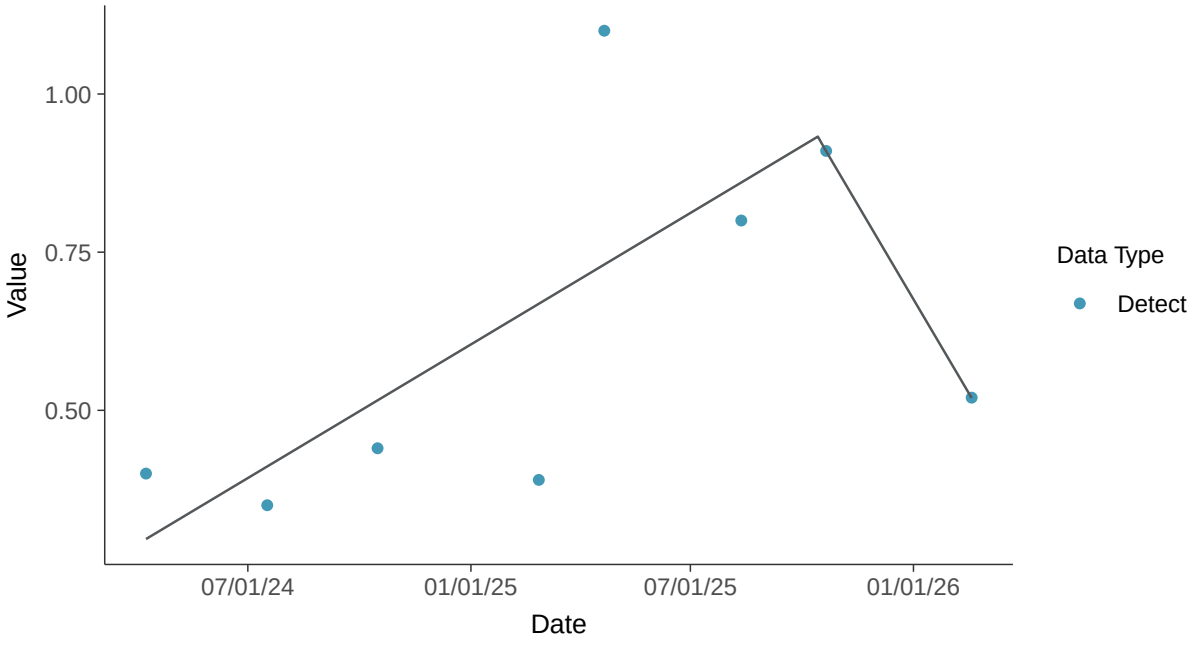
Trend Regression: Lognormal MLE

Iron, MW-36 (mg/L)



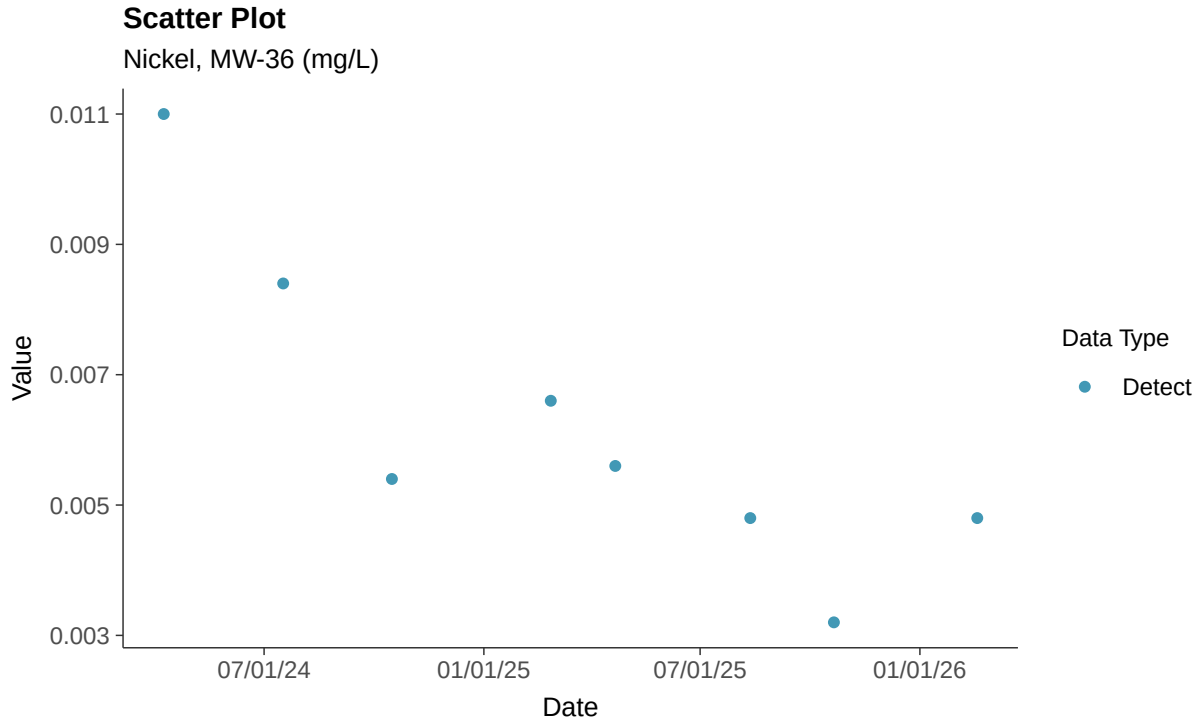
Trend Regression: Piecewise Linear-Linear

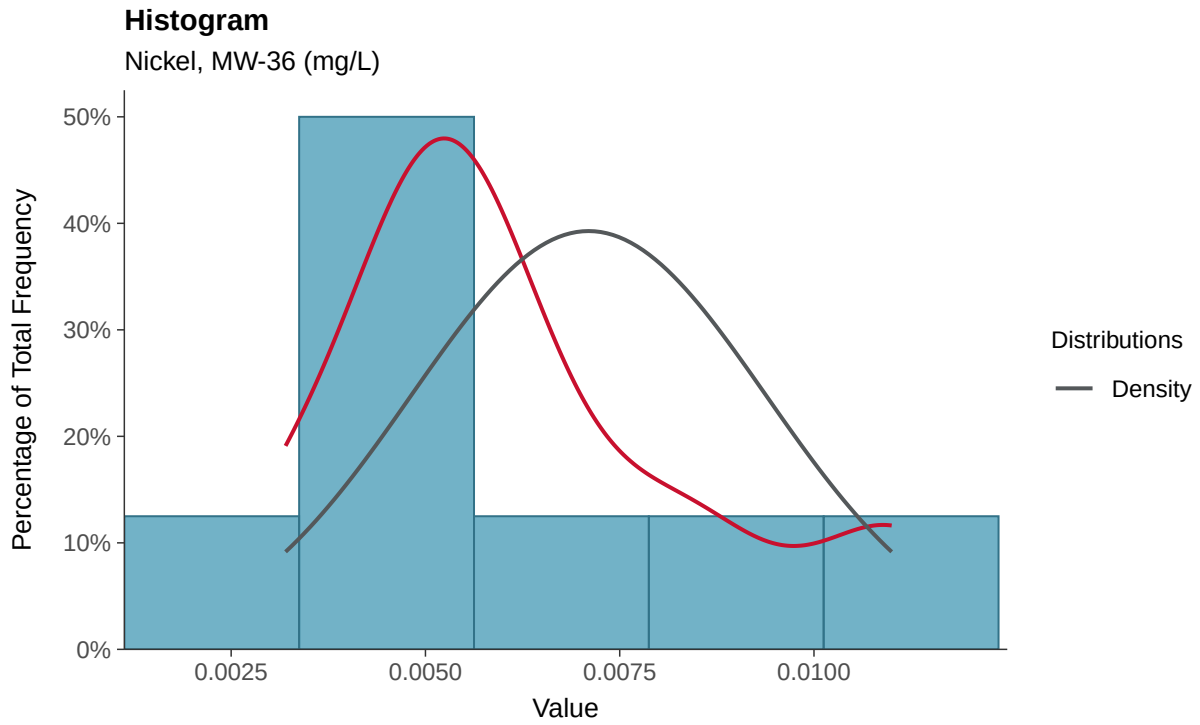
Iron, MW-36 (mg/L)



Part 115: Nickel, MW-36

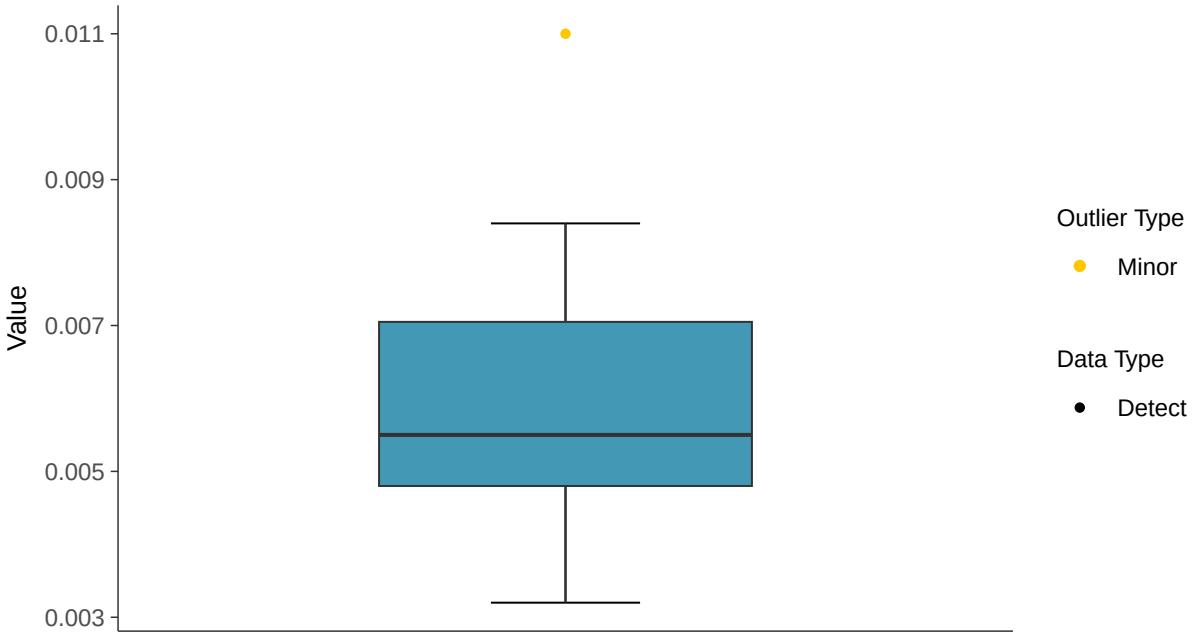
ID: 46_1_5_119





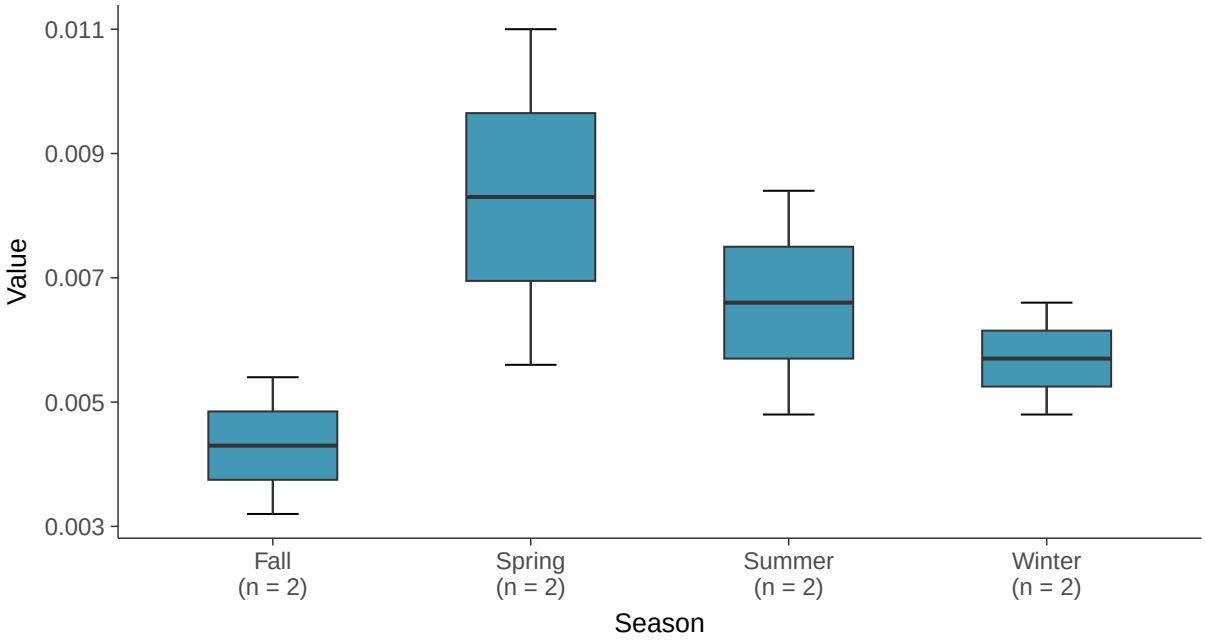
Boxplot

Nickel, MW-36 (mg/L)



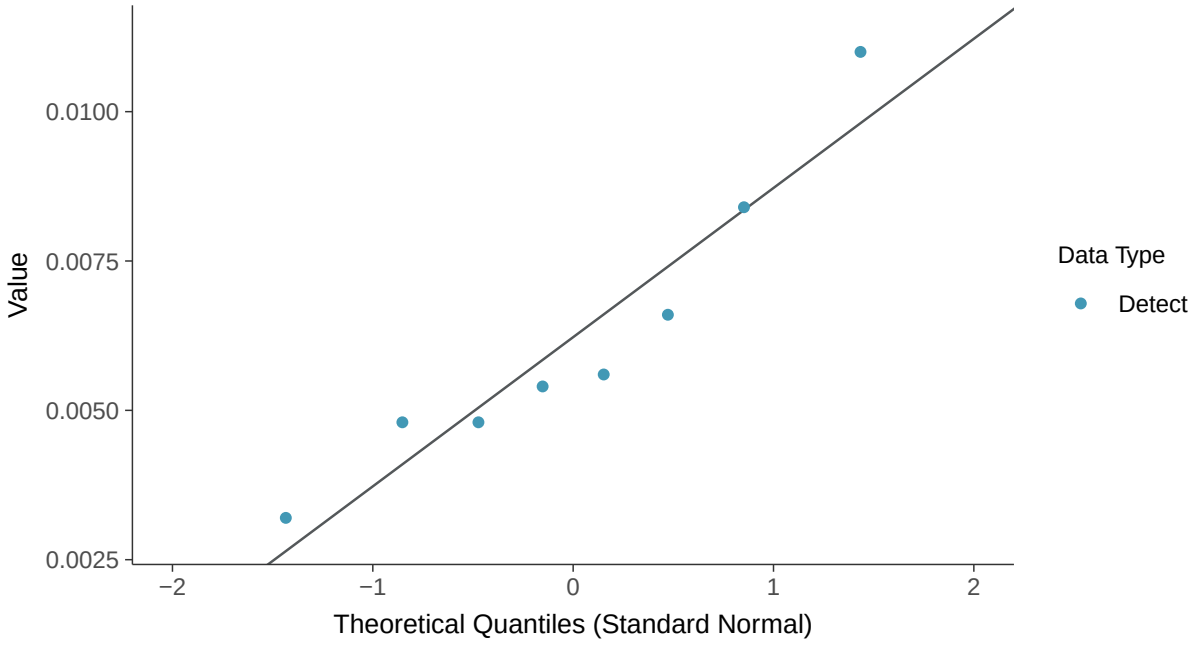
Boxplot by Season

Nickel, MW-36 (mg/L)



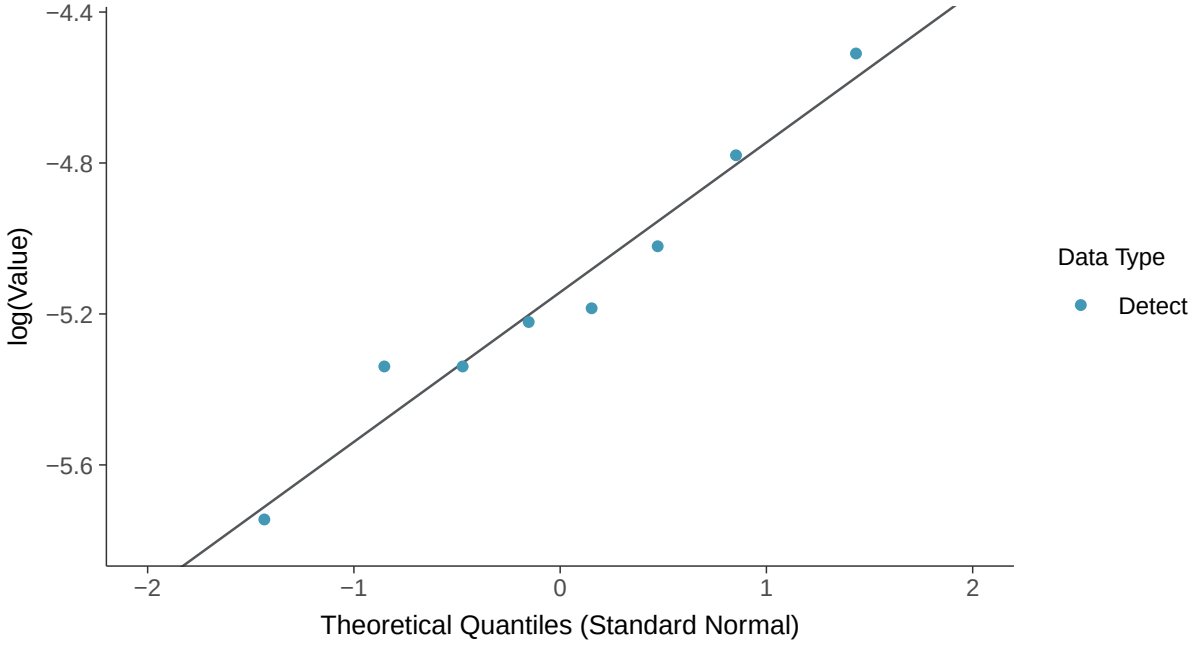
Normal Q-Q plot

Nickel, MW-36 (mg/L)



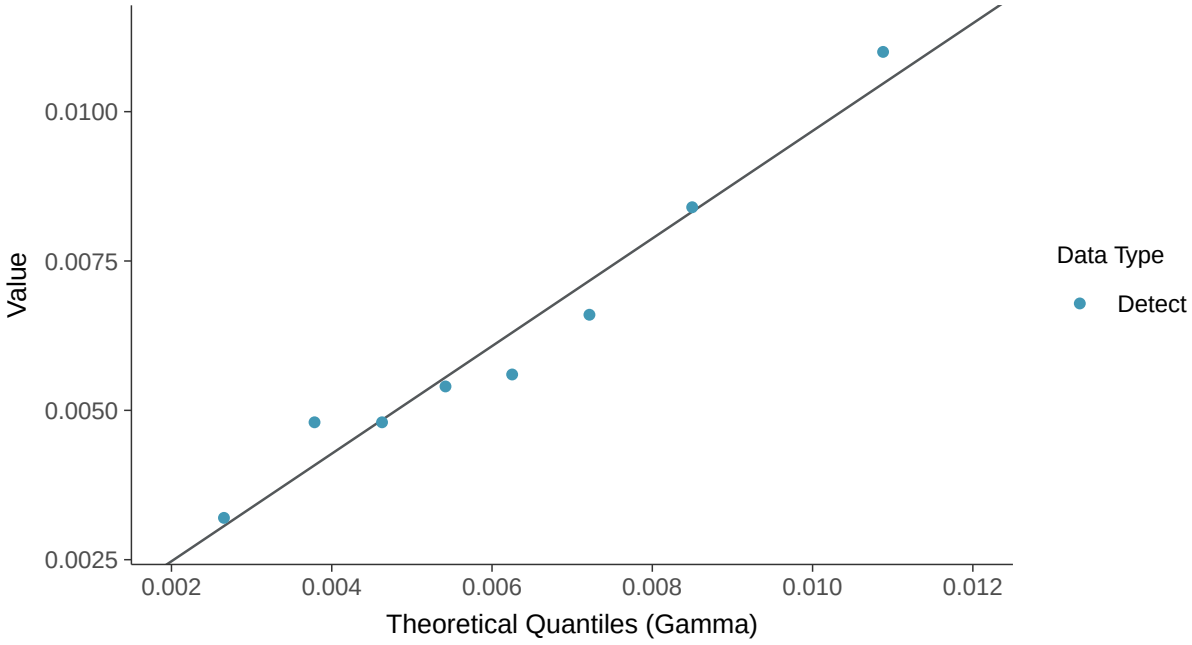
Lognormal Q-Q plot

Nickel, MW-36 (mg/L)



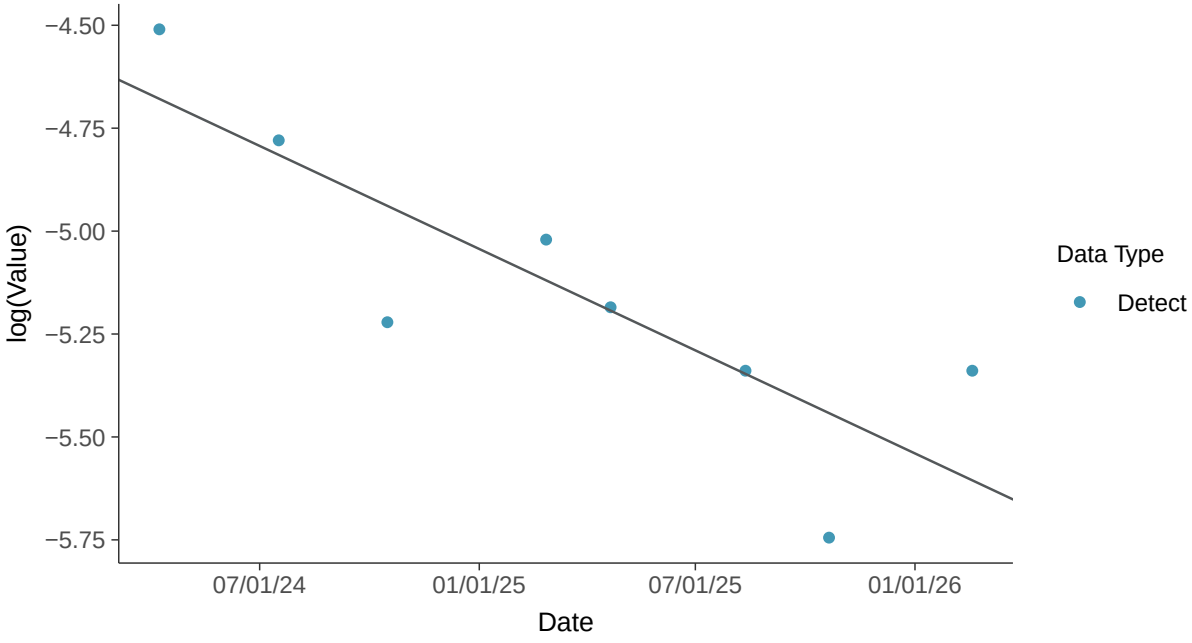
Gamma Q-Q plot

Nickel, MW-36 (mg/L)



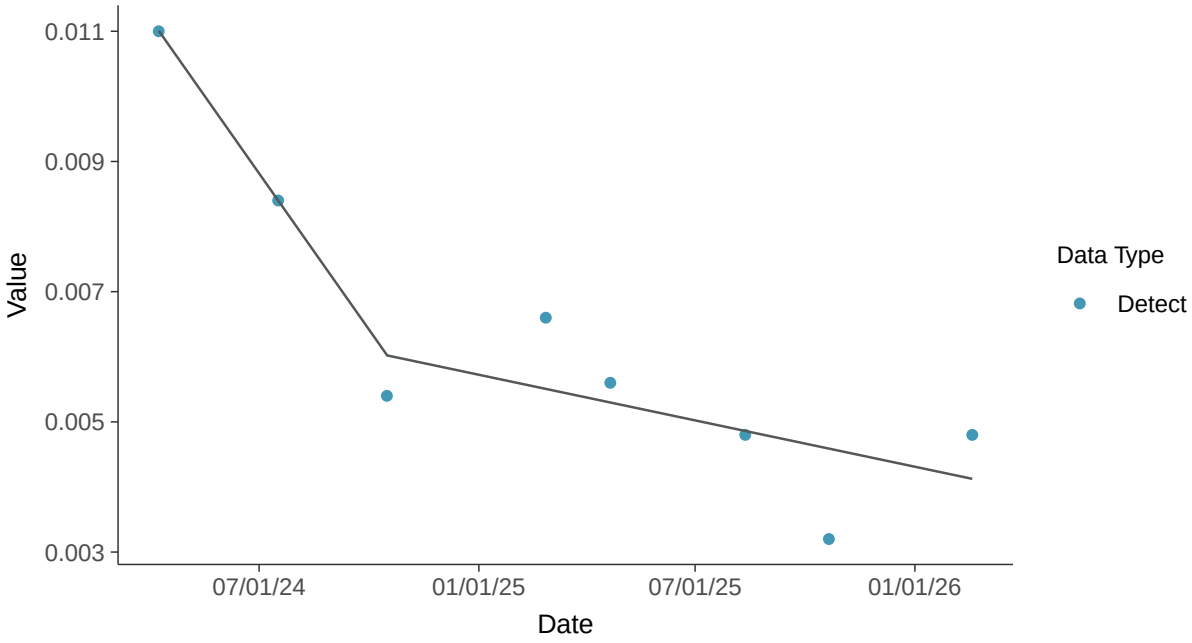
Trend Regression: Lognormal MLE

Nickel, MW-36 (mg/L)



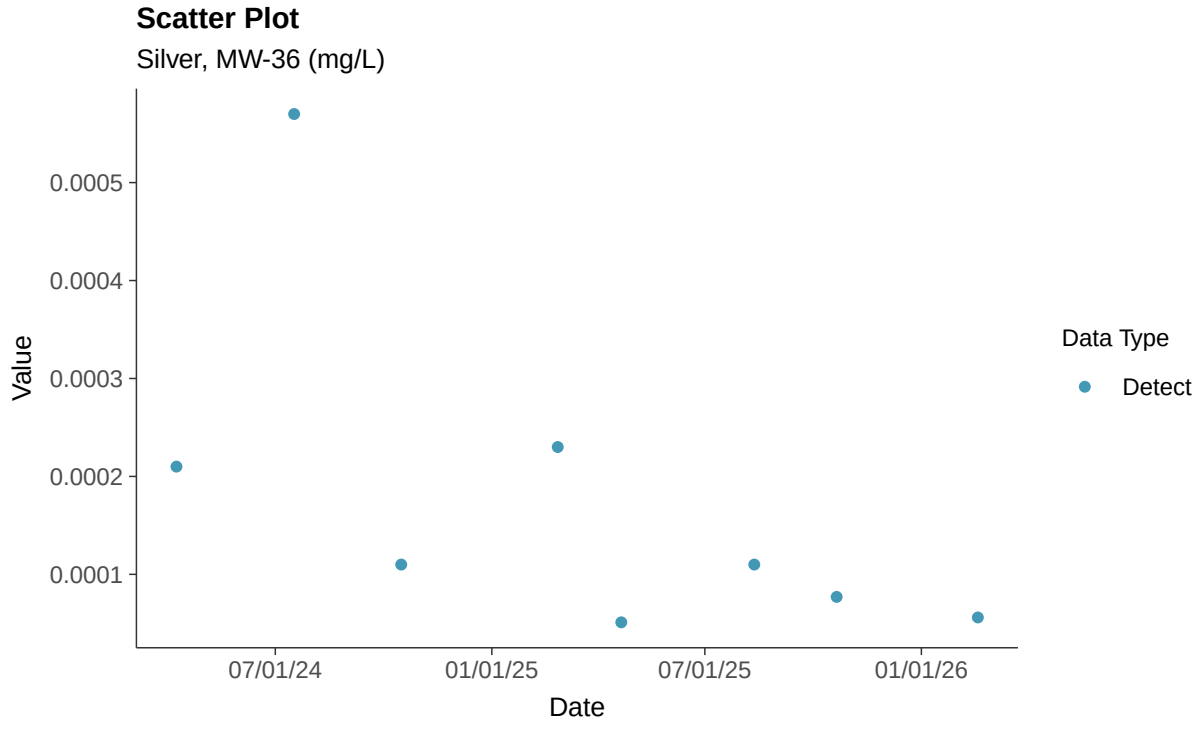
Trend Regression: Piecewise Linear-Linear

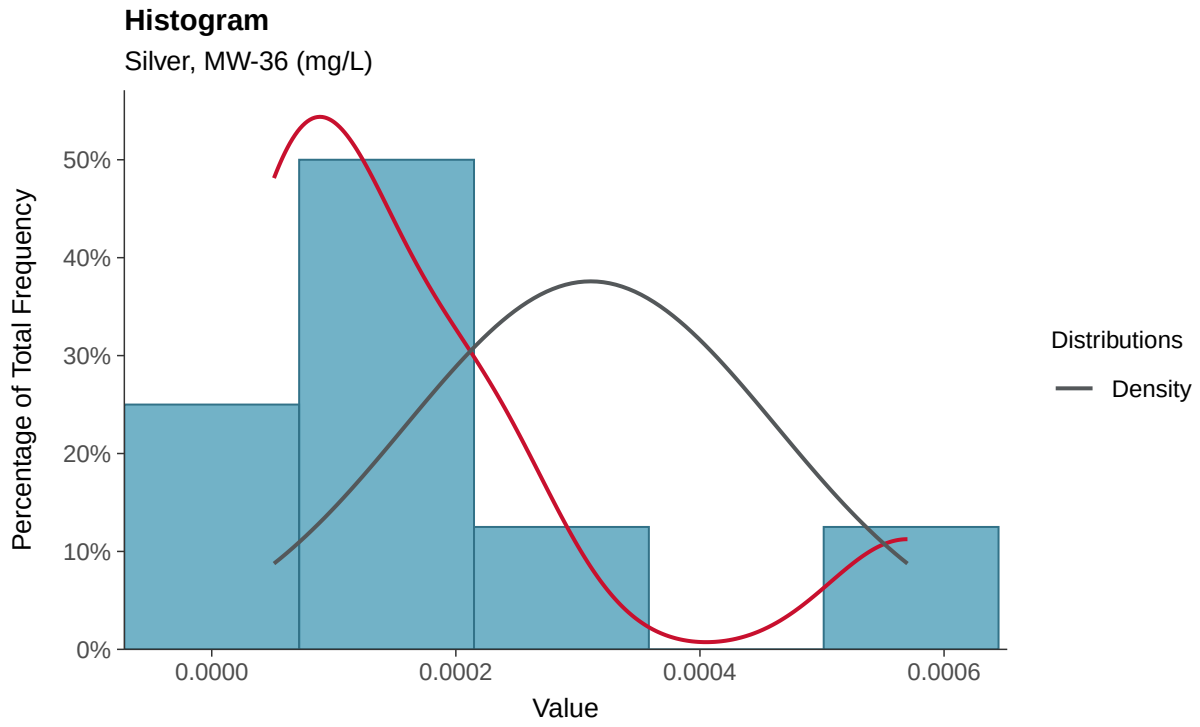
Nickel, MW-36 (mg/L)



Part 115: Silver, MW-36

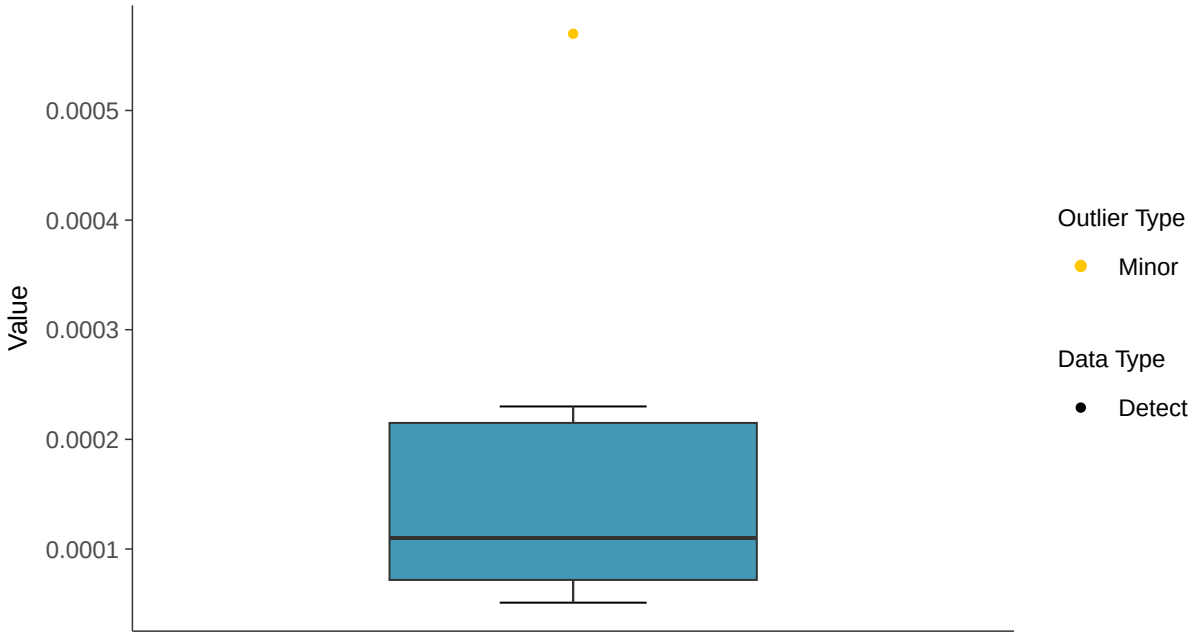
ID: 46_1_5_123





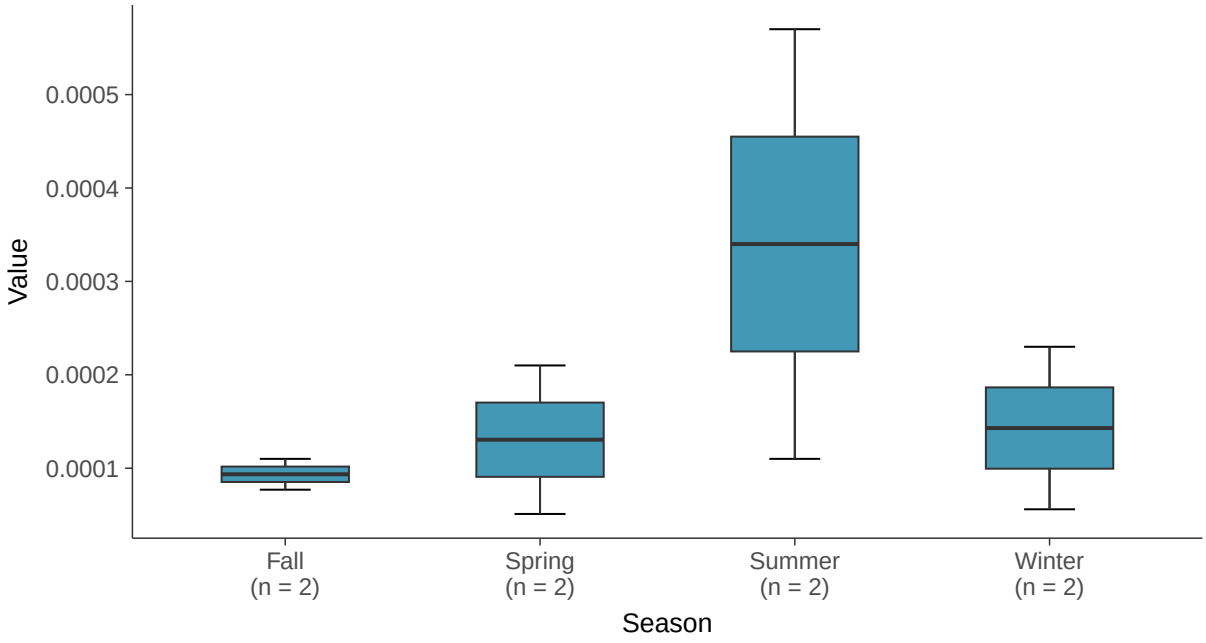
Boxplot

Silver, MW-36 (mg/L)



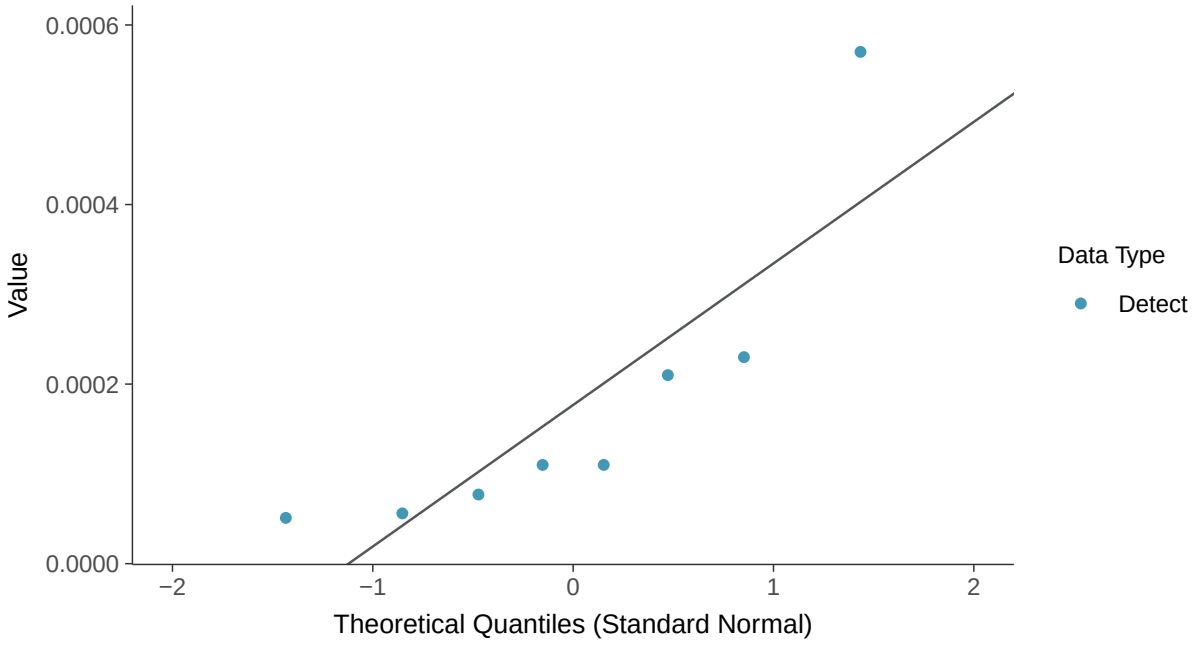
Boxplot by Season

Silver, MW-36 (mg/L)



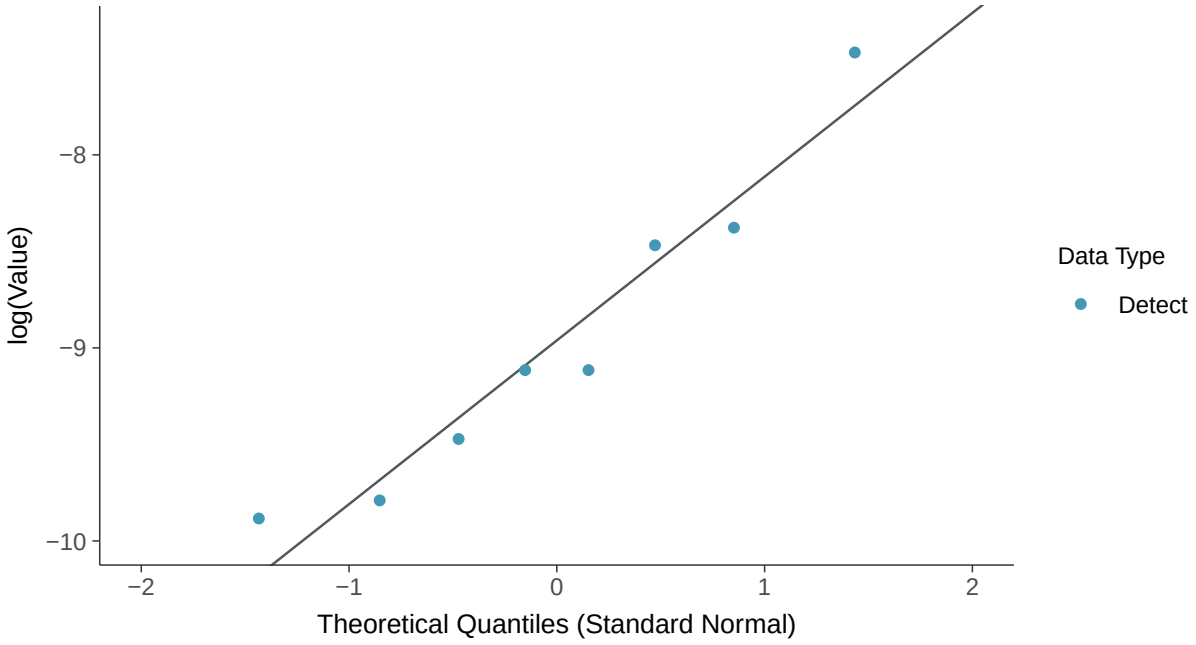
Normal Q-Q plot

Silver, MW-36 (mg/L)



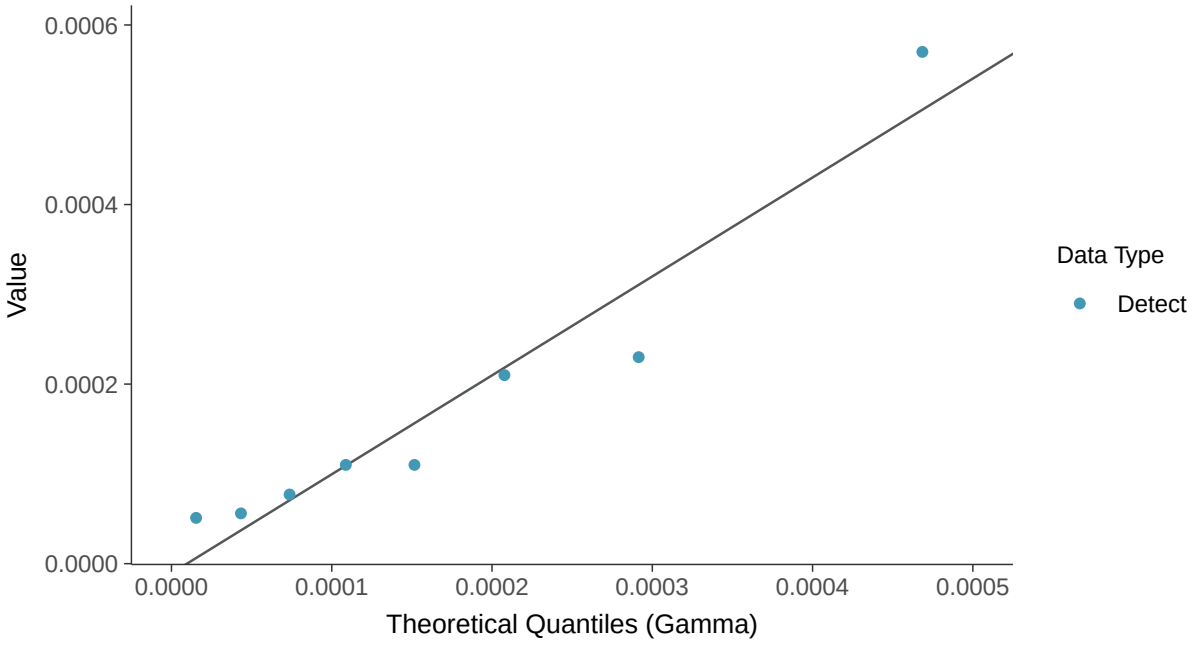
Lognormal Q-Q plot

Silver, MW-36 (mg/L)



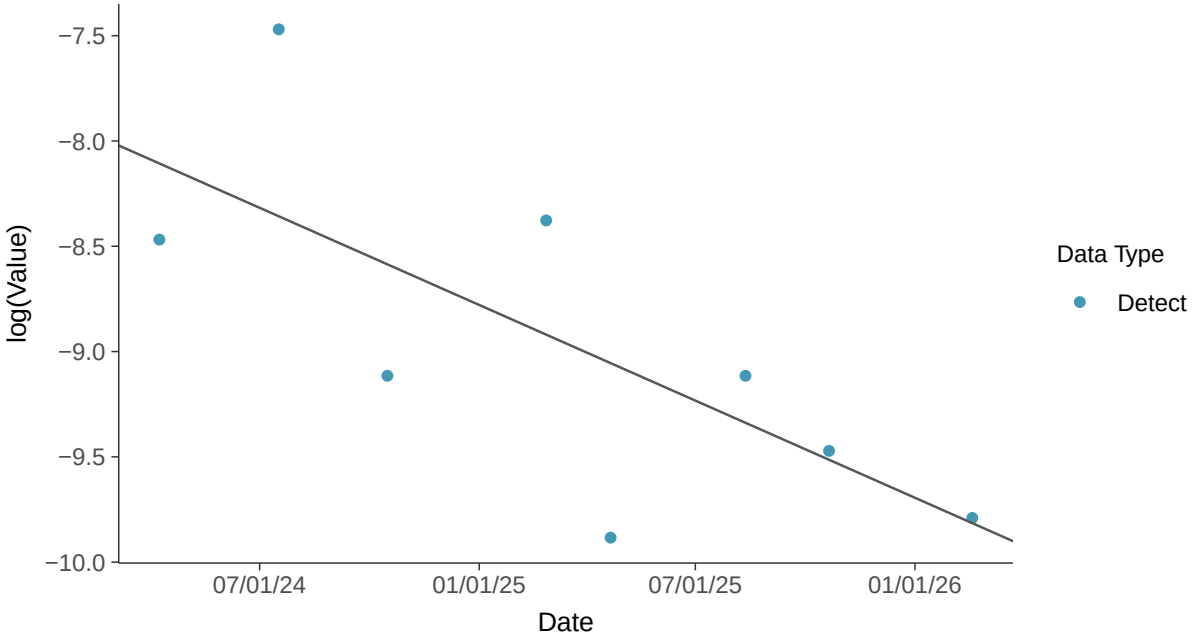
Gamma Q-Q plot

Silver, MW-36 (mg/L)



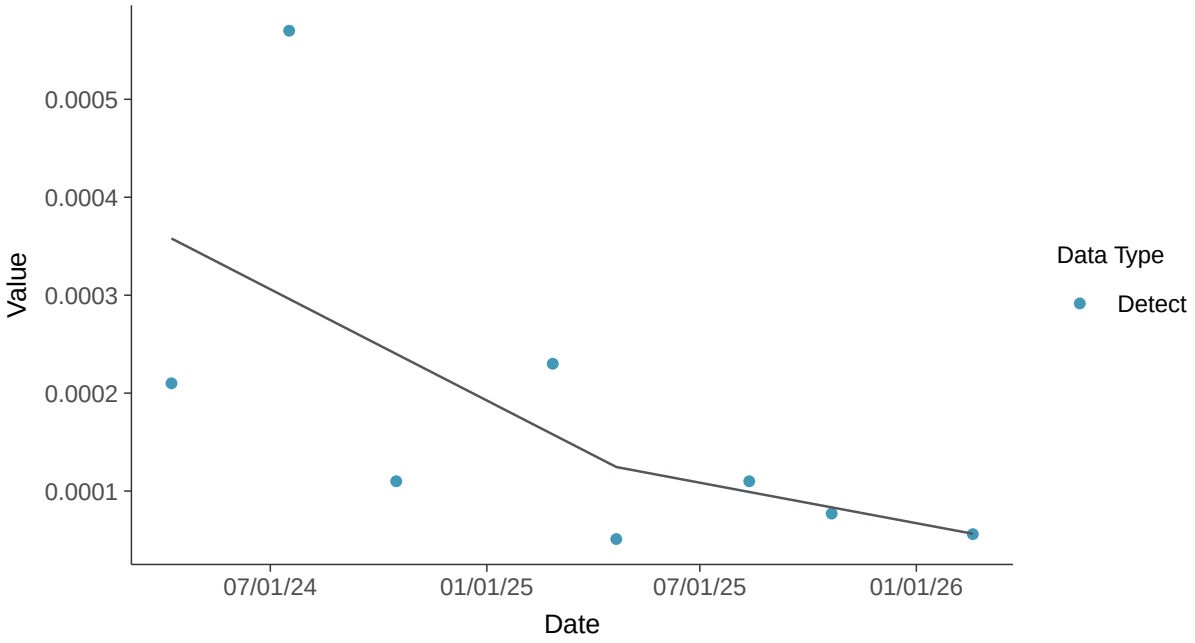
Trend Regression: Lognormal MLE

Silver, MW-36 (mg/L)



Trend Regression: Piecewise Linear-Linear

Silver, MW-36 (mg/L)

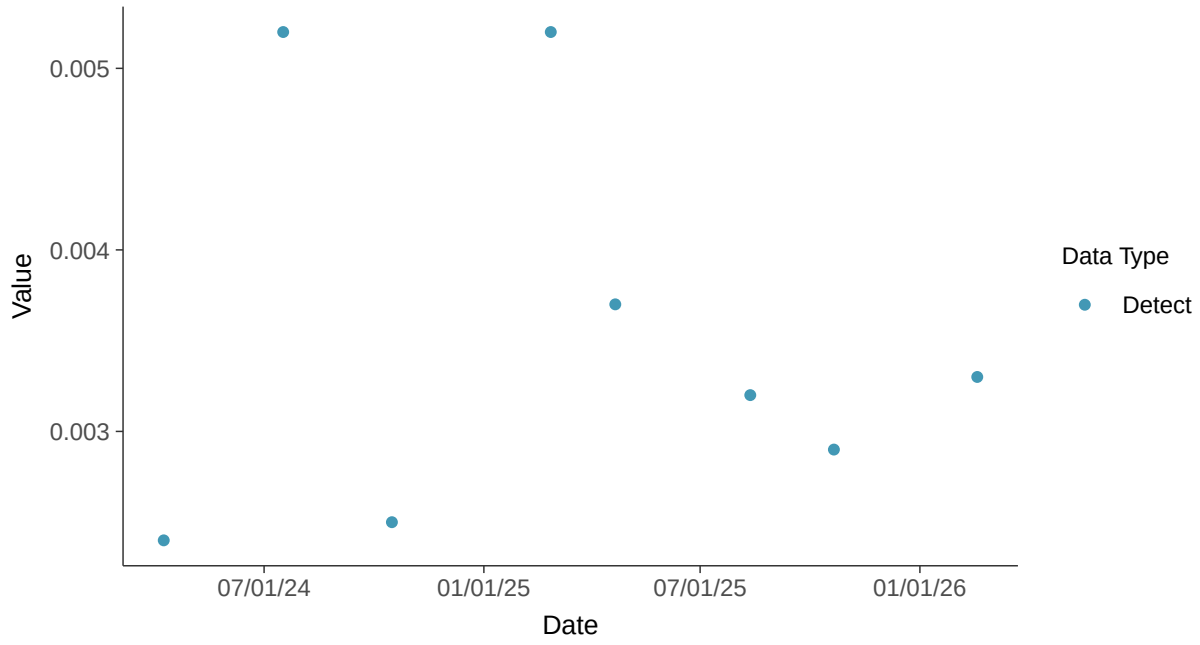


Part 115: Vanadium, MW-36

ID: 46_1_5_128

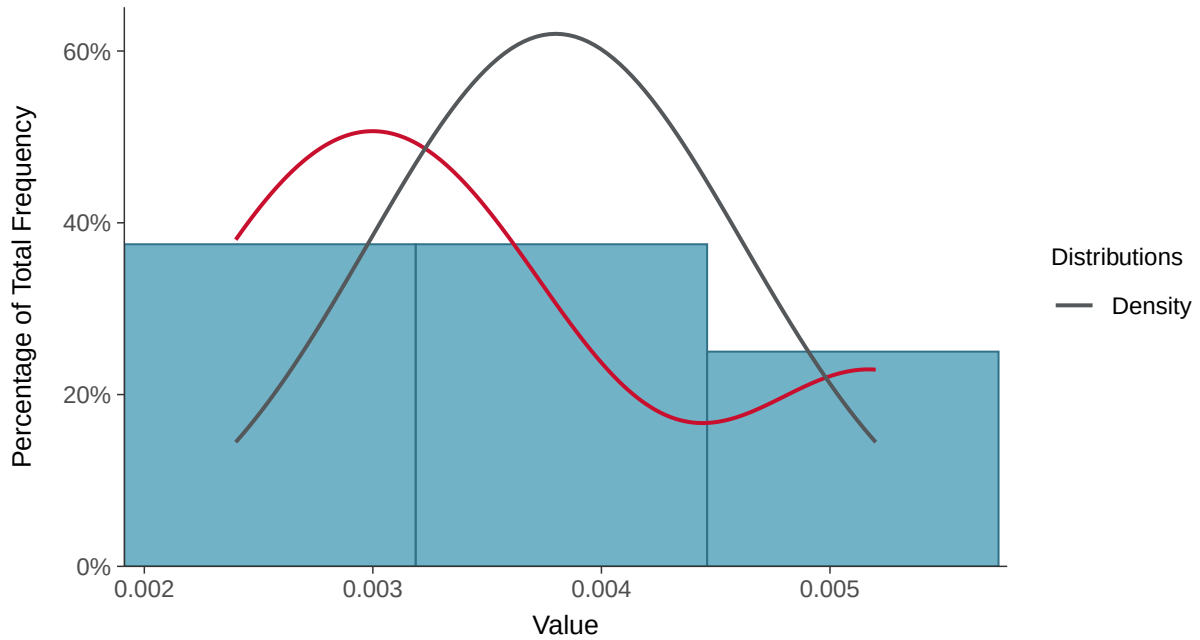
Scatter Plot

Vanadium, MW-36 (mg/L)



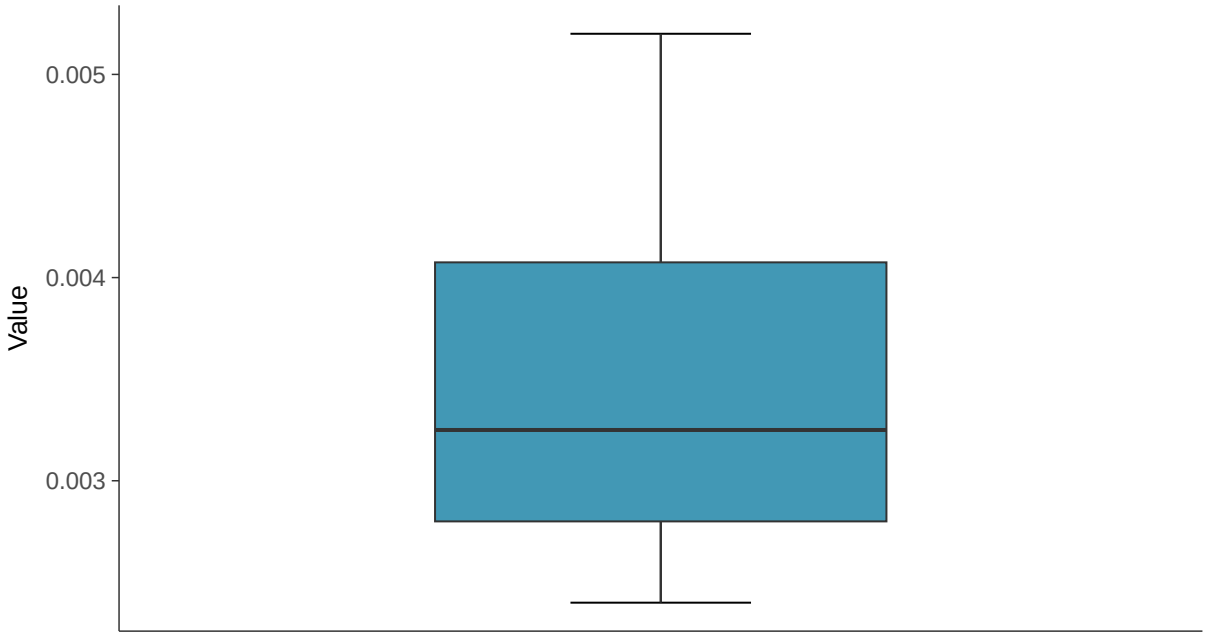
Histogram

Vanadium, MW-36 (mg/L)



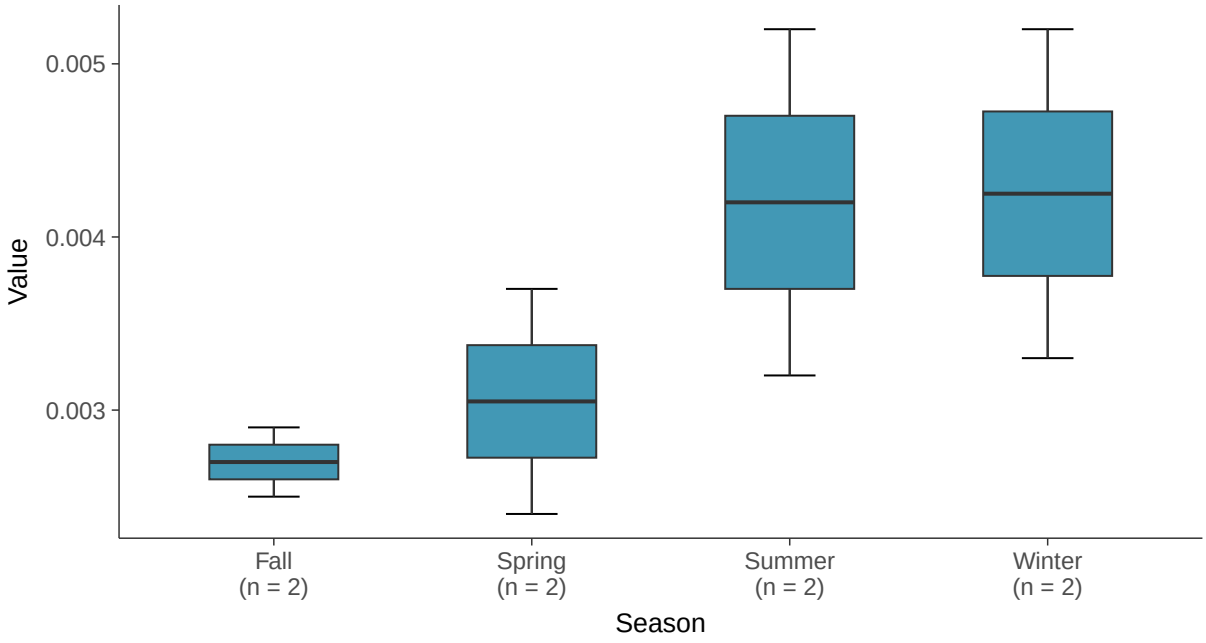
Boxplot

Vanadium, MW-36 (mg/L)



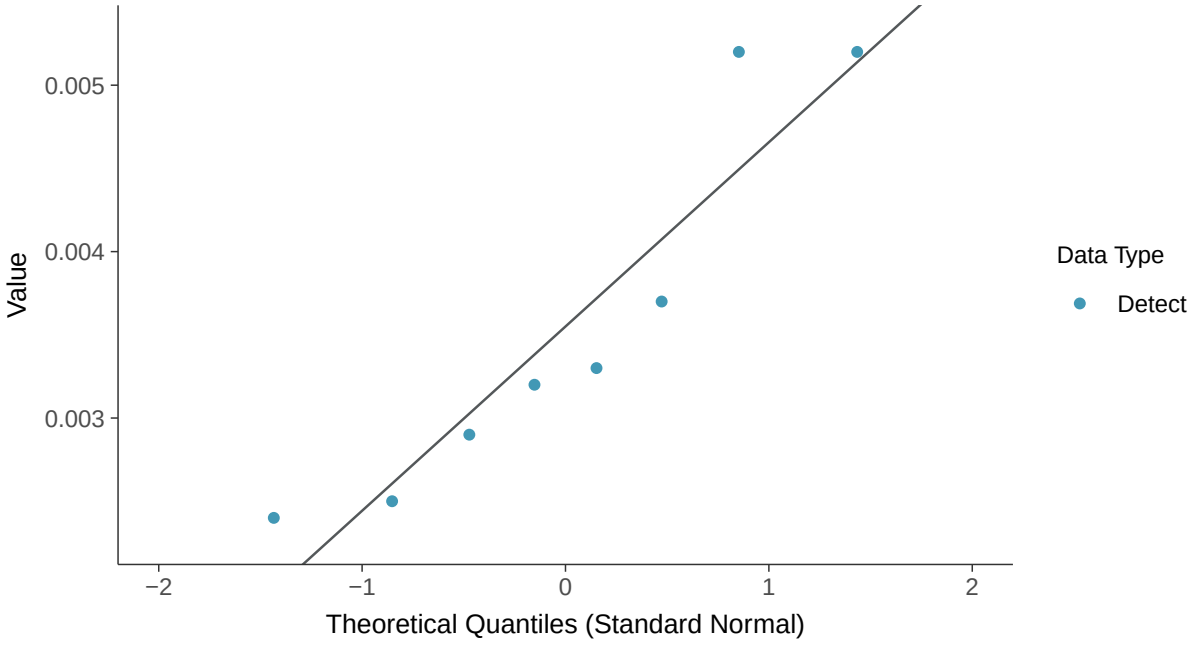
Boxplot by Season

Vanadium, MW-36 (mg/L)



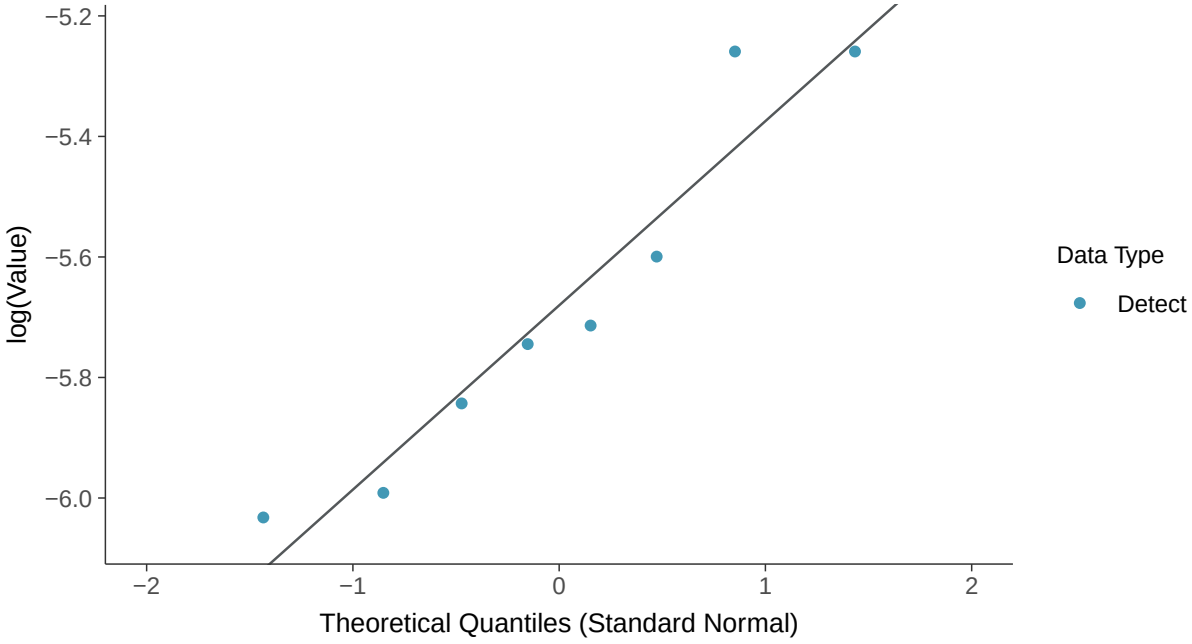
Normal Q-Q plot

Vanadium, MW-36 (mg/L)



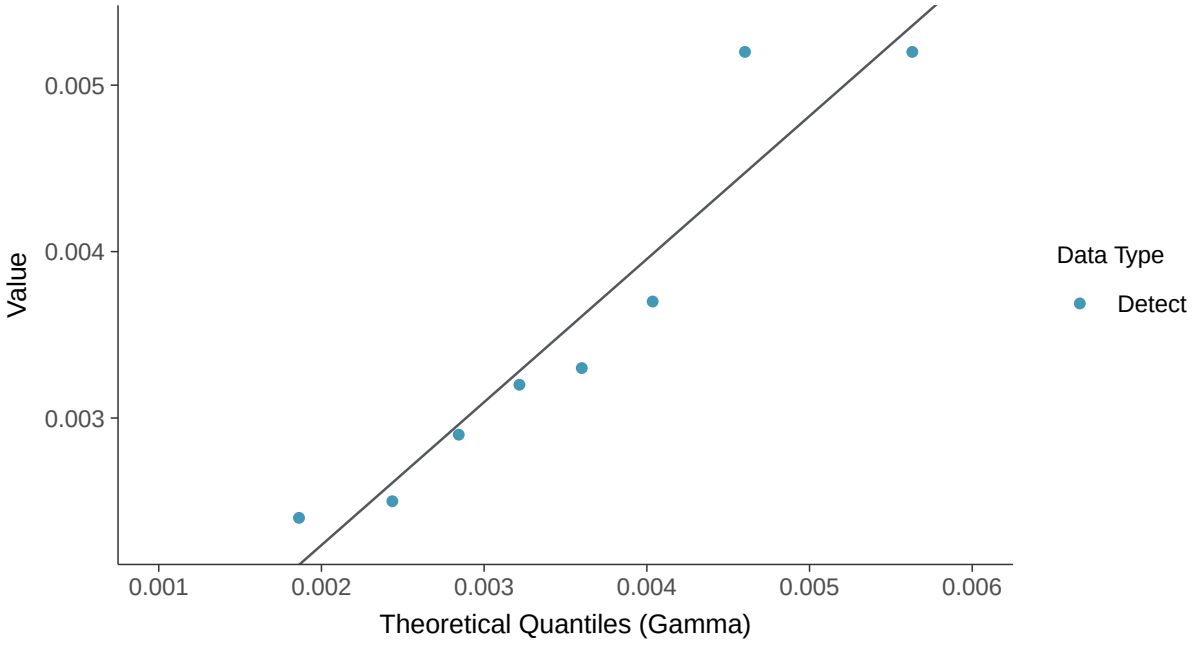
Lognormal Q-Q plot

Vanadium, MW-36 (mg/L)



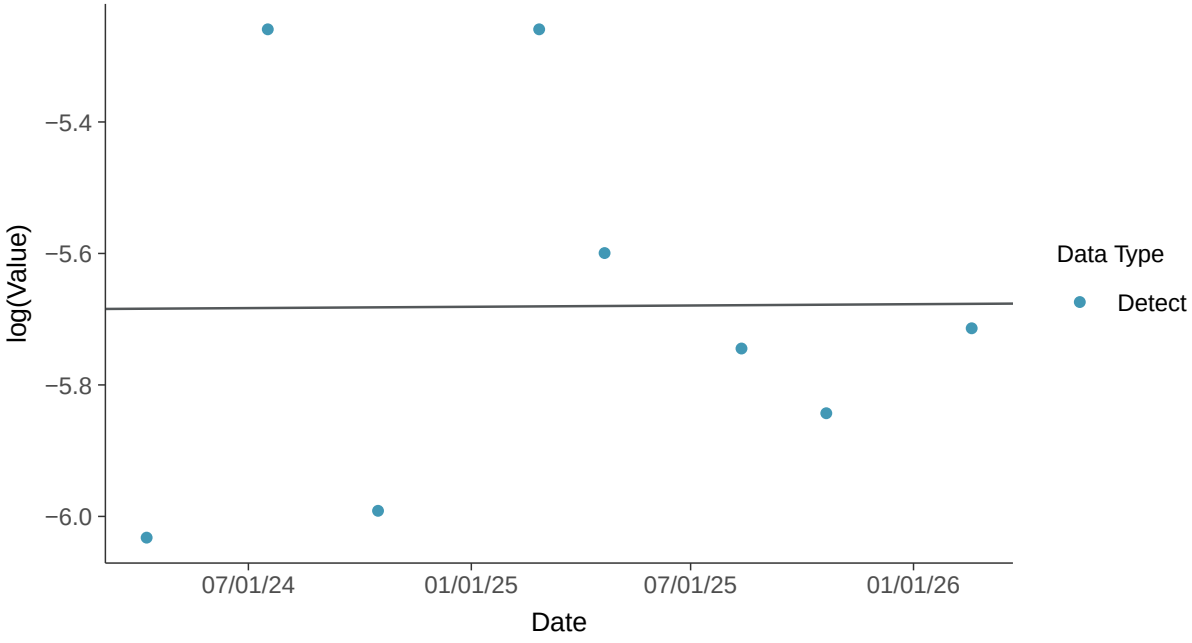
Gamma Q-Q plot

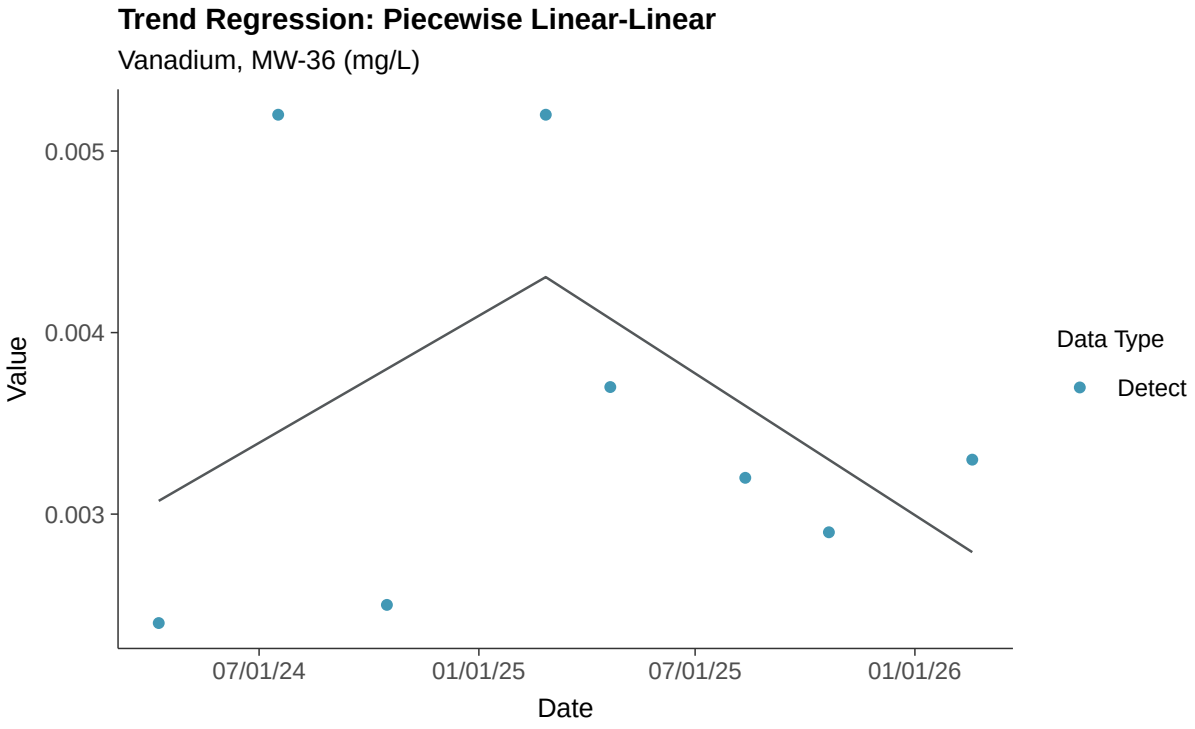
Vanadium, MW-36 (mg/L)



Trend Regression: Lognormal MLE

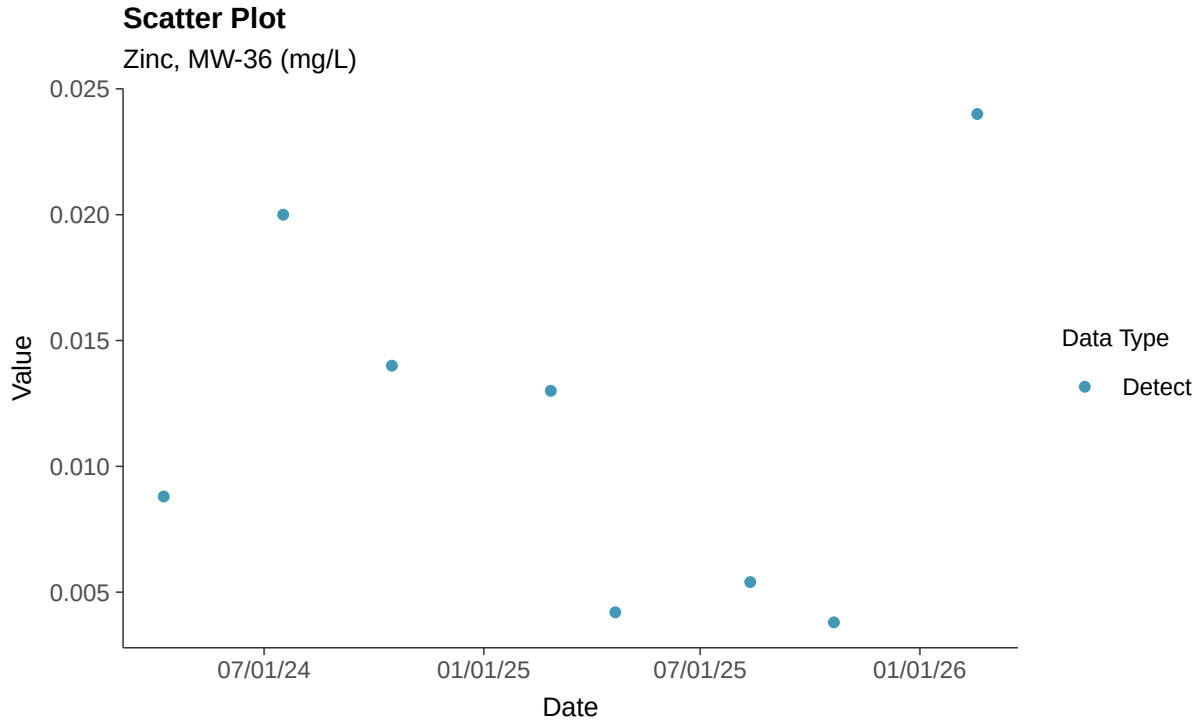
Vanadium, MW-36 (mg/L)

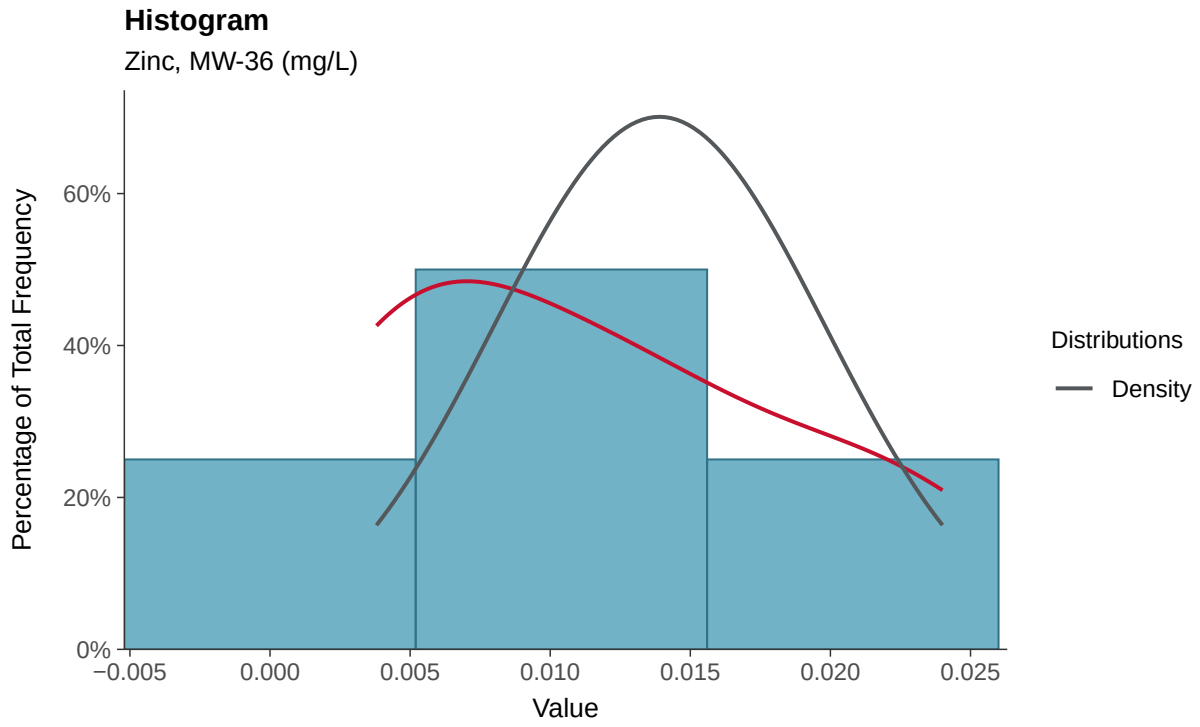



Trend Regression: Piecewise Linear-Linear
Vanadium, MW-36 (mg/L)
0.005
0.004
0.003
Value
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect

Part 115: Zinc, MW-36

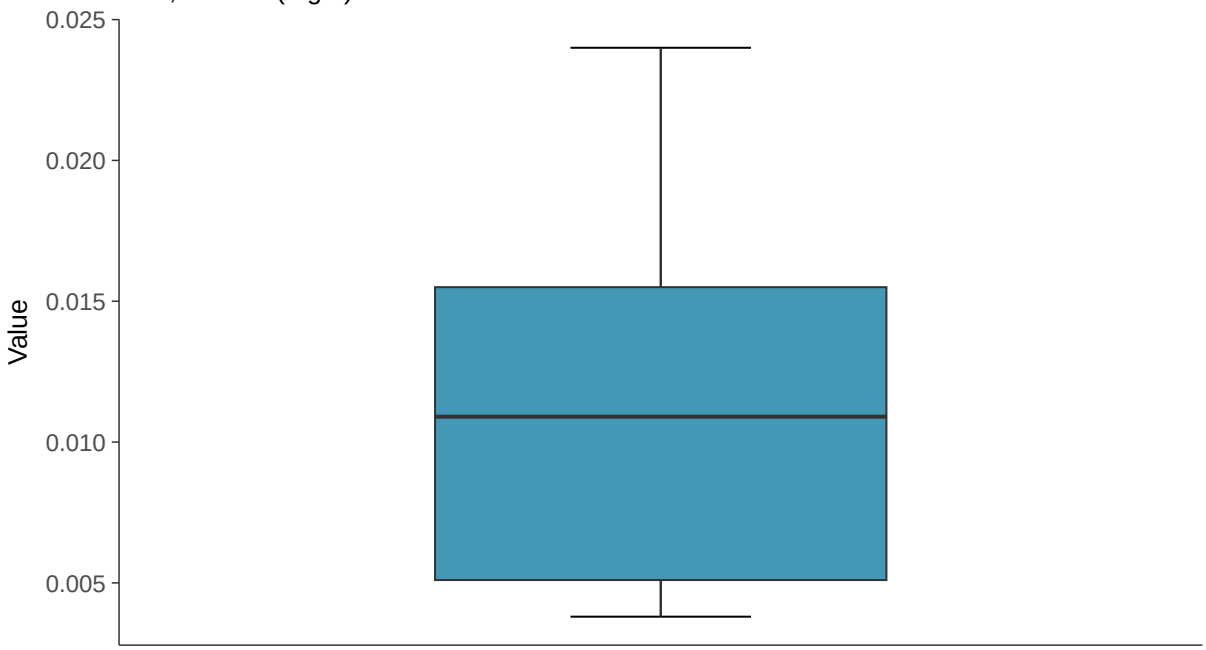
ID: 46_1_5_129





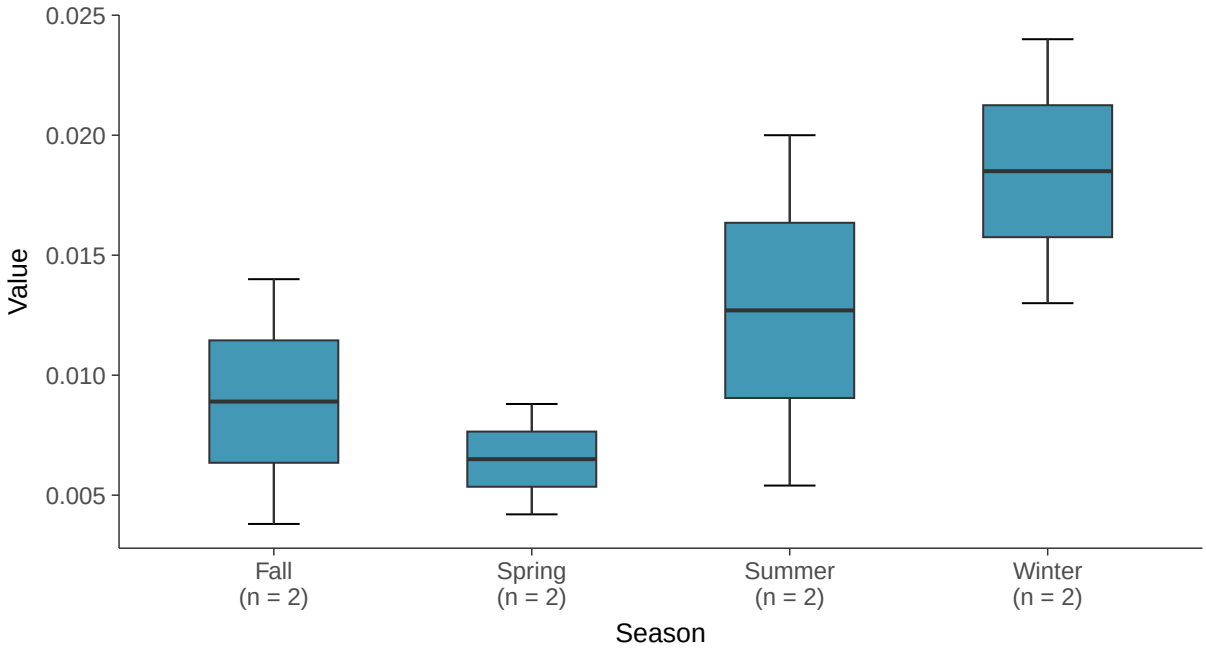
Boxplot

Zinc, MW-36 (mg/L)



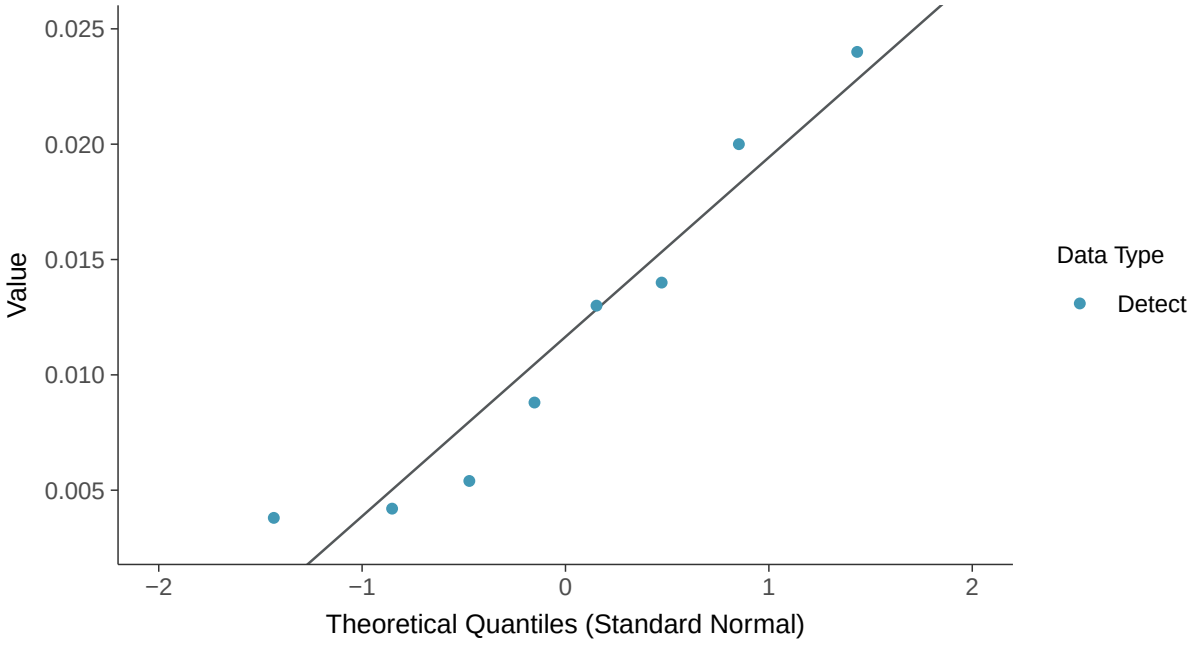
Boxplot by Season

Zinc, MW-36 (mg/L)



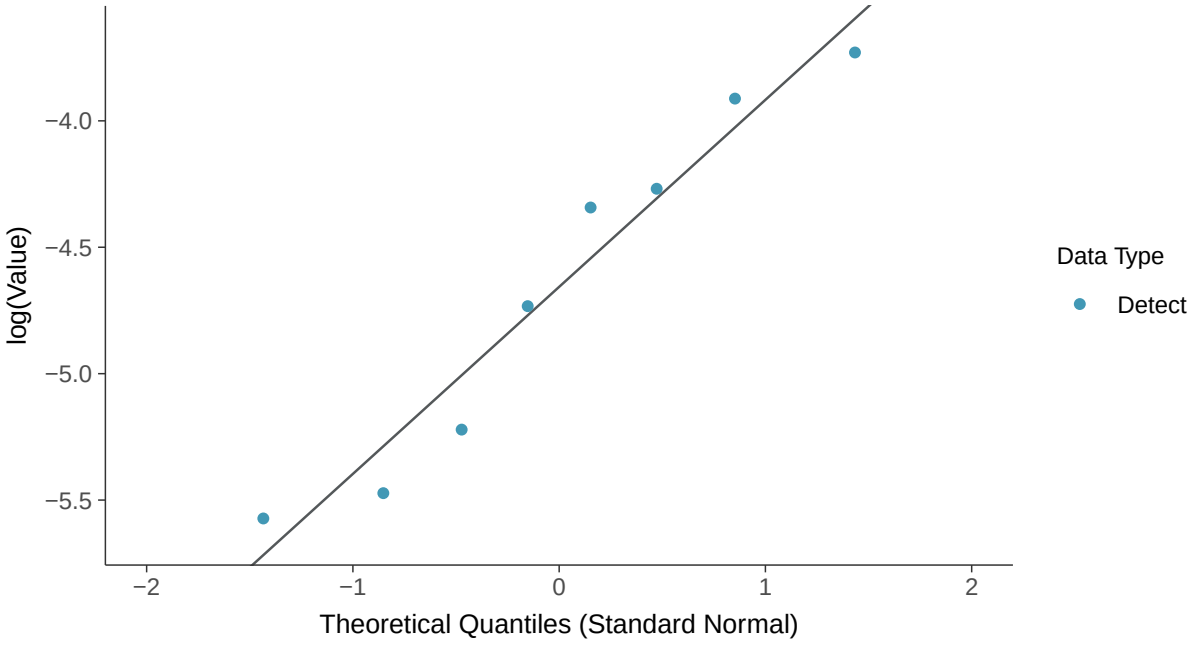
Normal Q-Q plot

Zinc, MW-36 (mg/L)



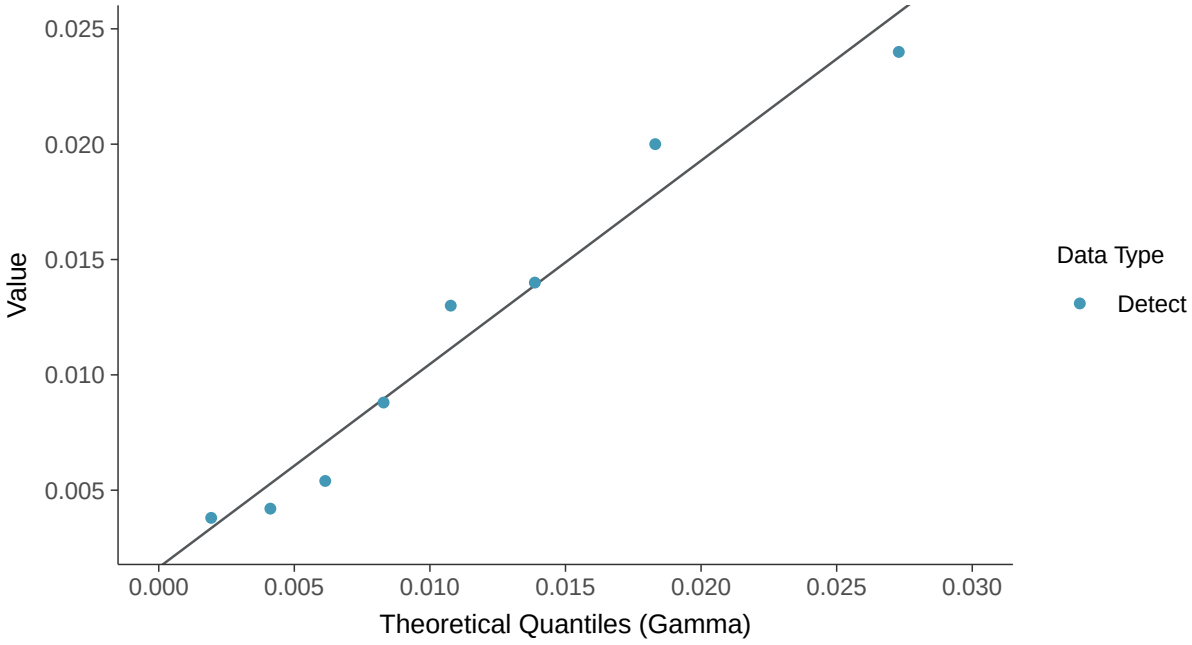
Lognormal Q-Q plot

Zinc, MW-36 (mg/L)



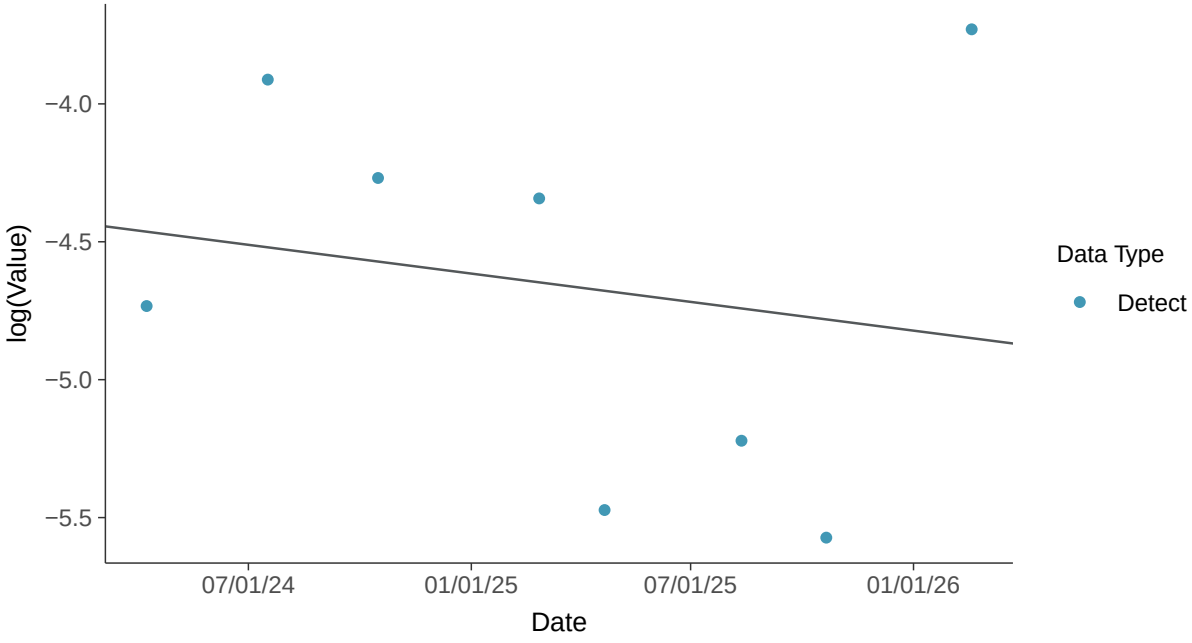
Gamma Q-Q plot

Zinc, MW-36 (mg/L)



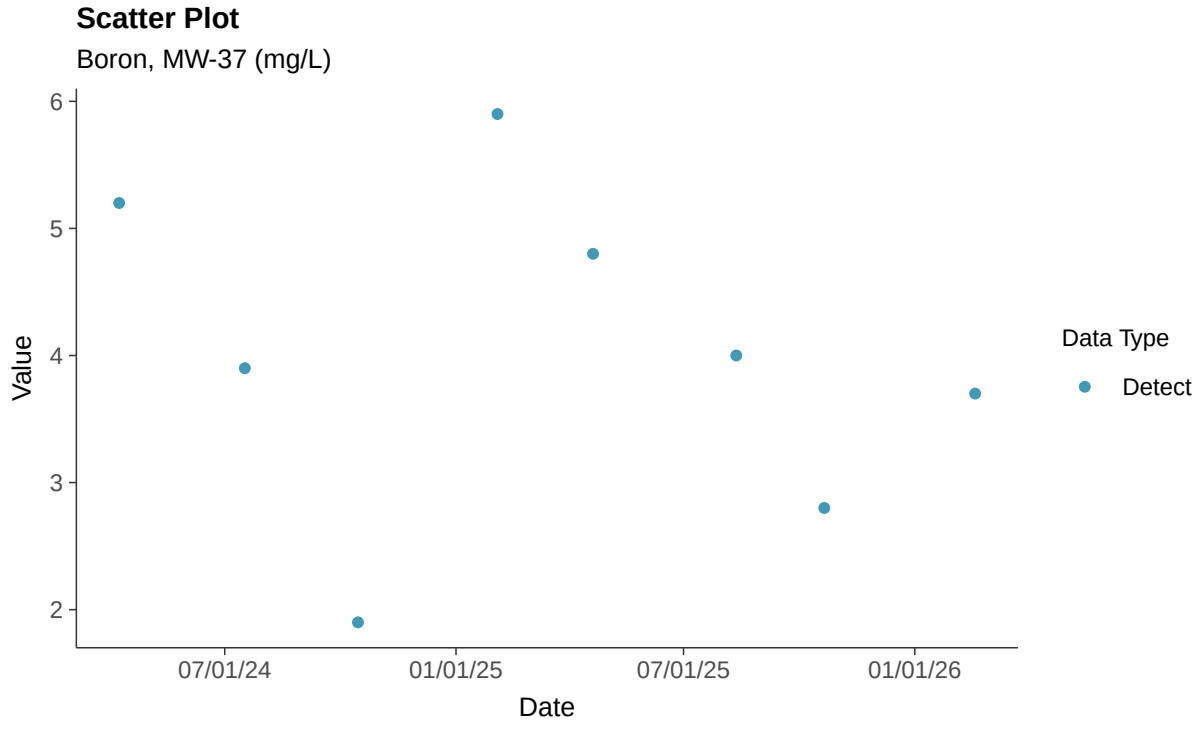
Trend Regression: Lognormal MLE

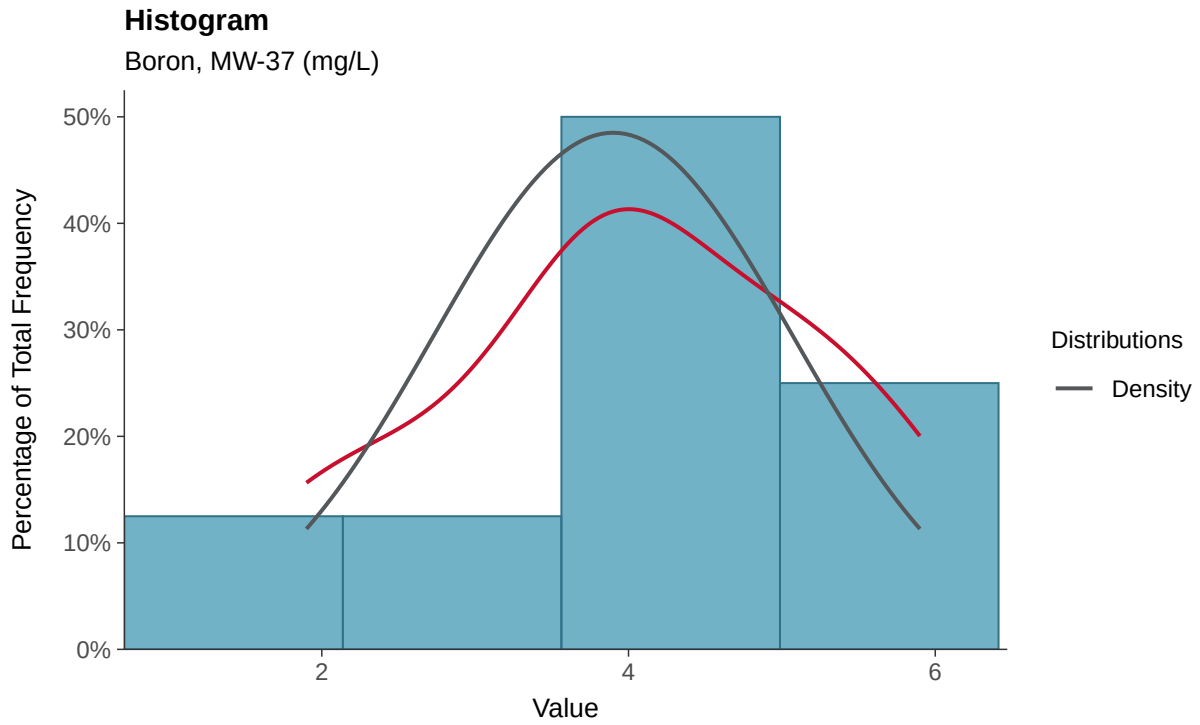
Zinc, MW-36 (mg/L)



Appendix III: Boron, MW-37

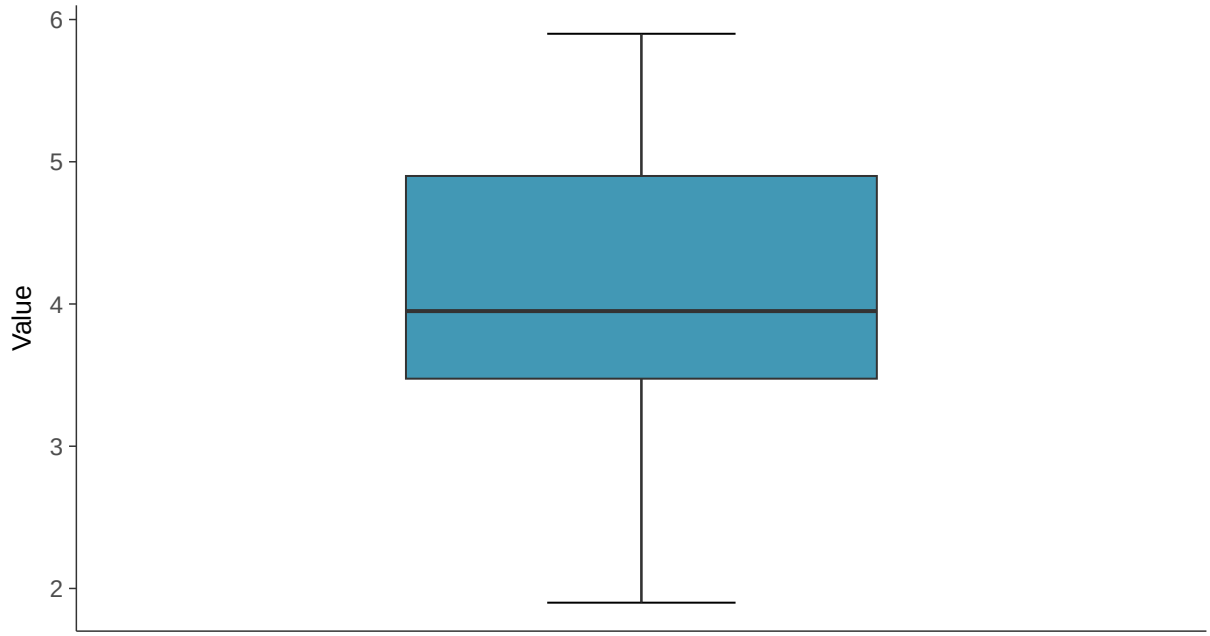
ID: 47_1_3_105





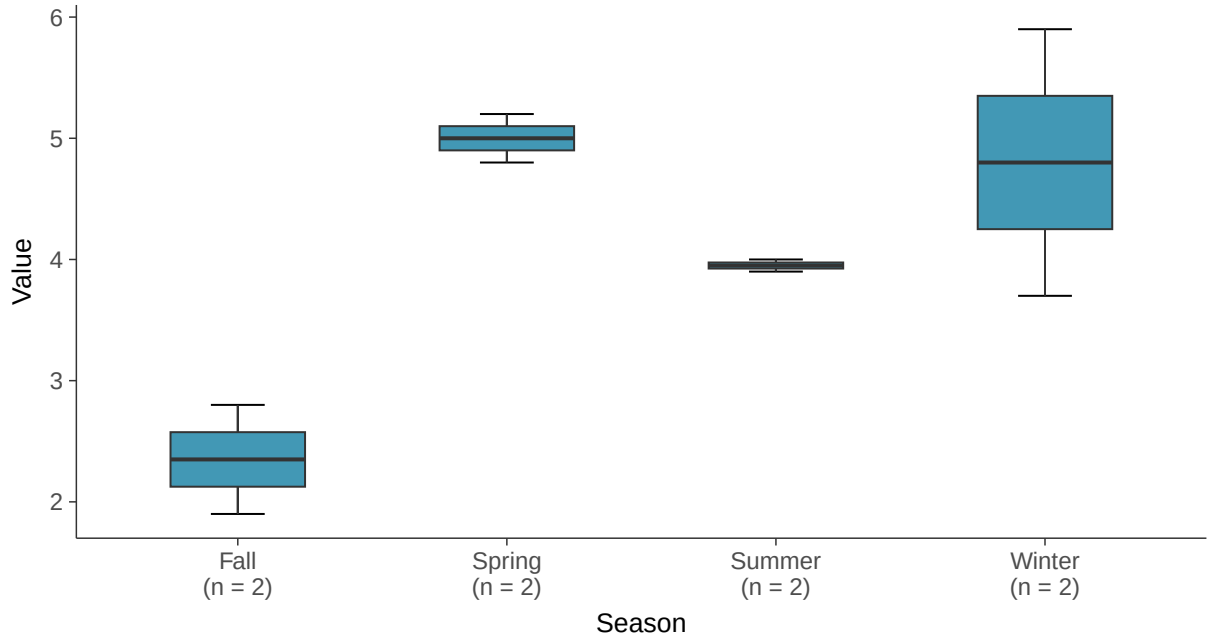
Boxplot

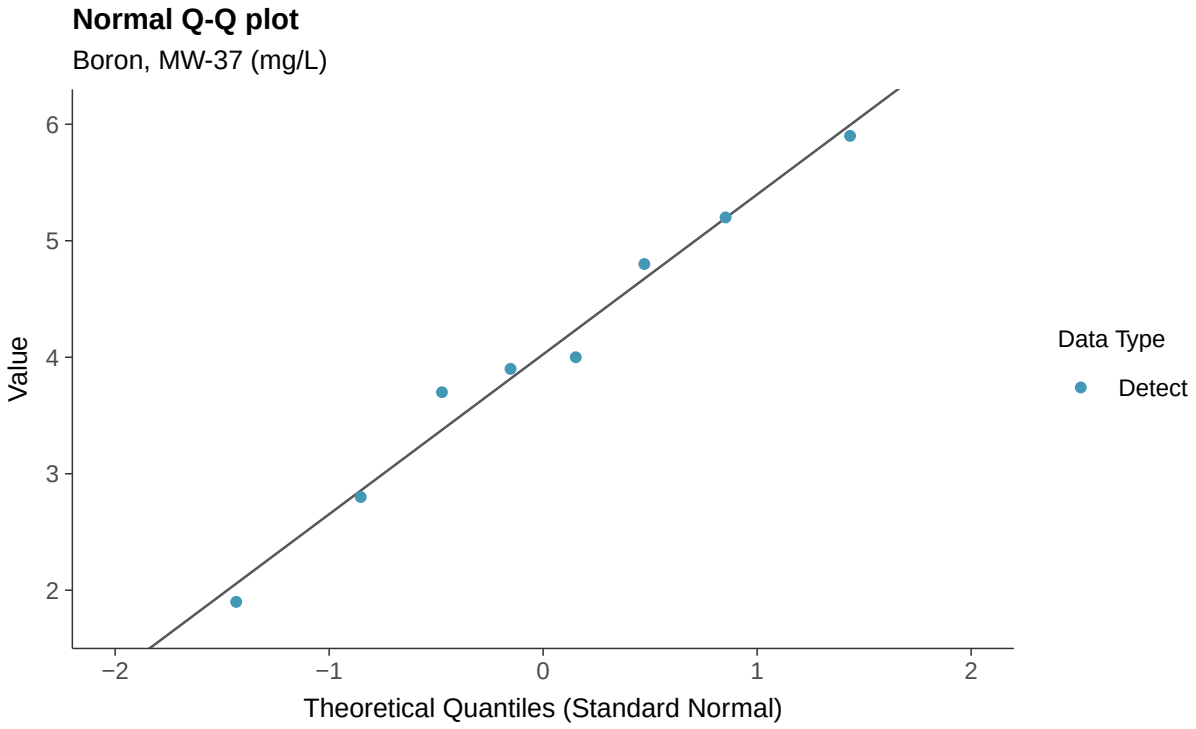
Boron, MW-37 (mg/L)

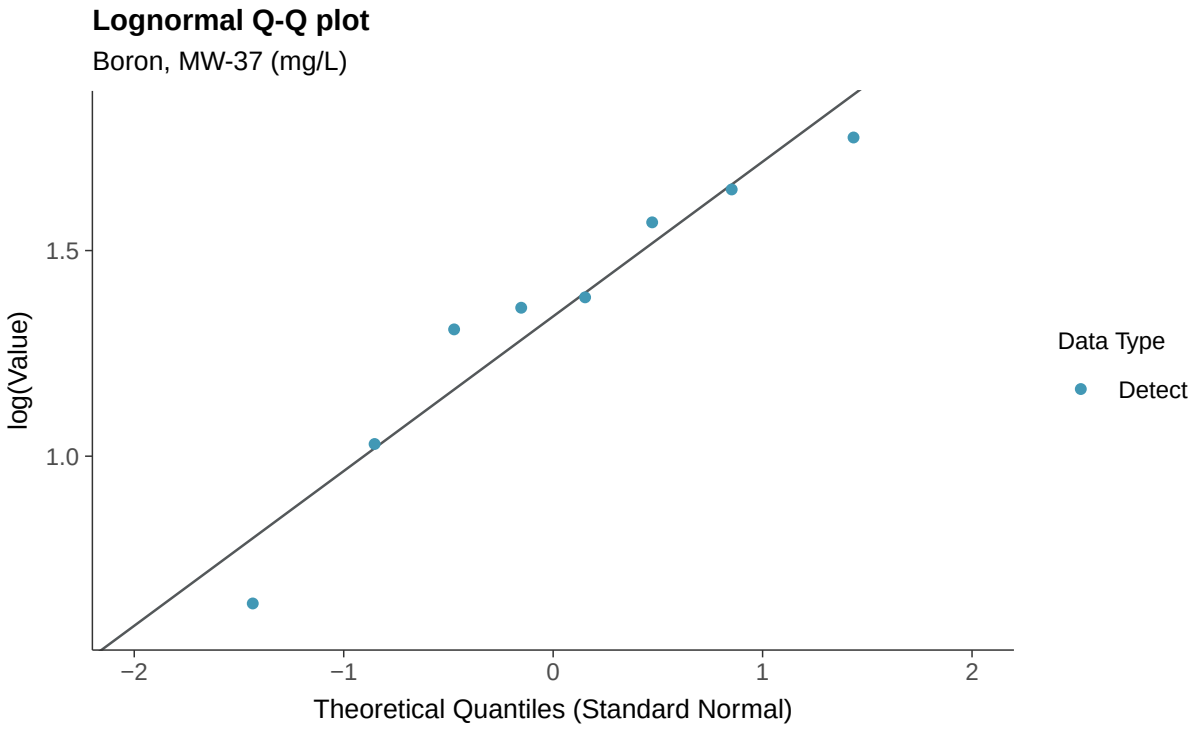


Boxplot by Season

Boron, MW-37 (mg/L)

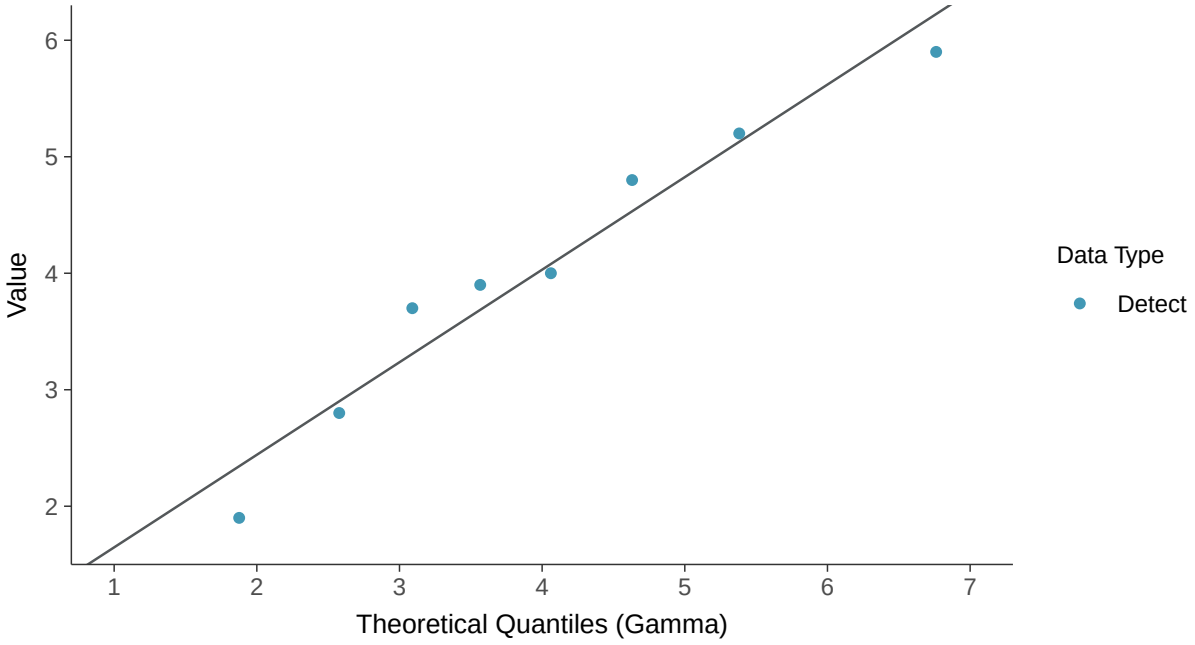



Normal Q-Q plot
Boron, MW-37 (mg/L)
Value
6
5
4
3
2
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Boron, MW-37 (mg/L)
log(Value)
1.5
1.0
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

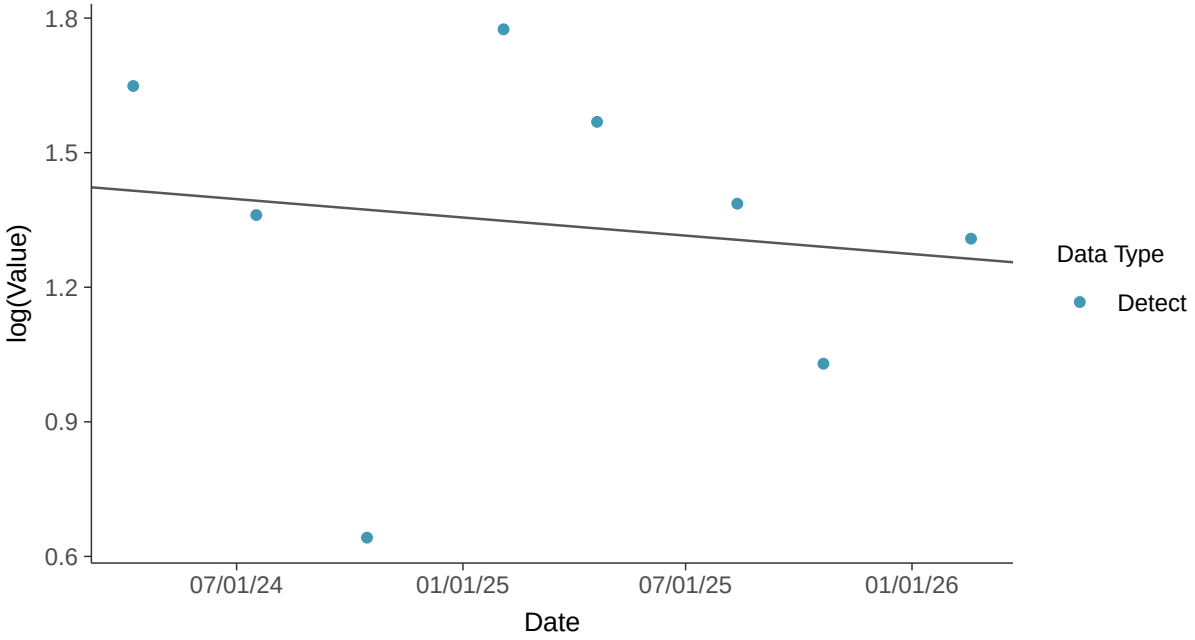
Gamma Q-Q plot

Boron, MW-37 (mg/L)



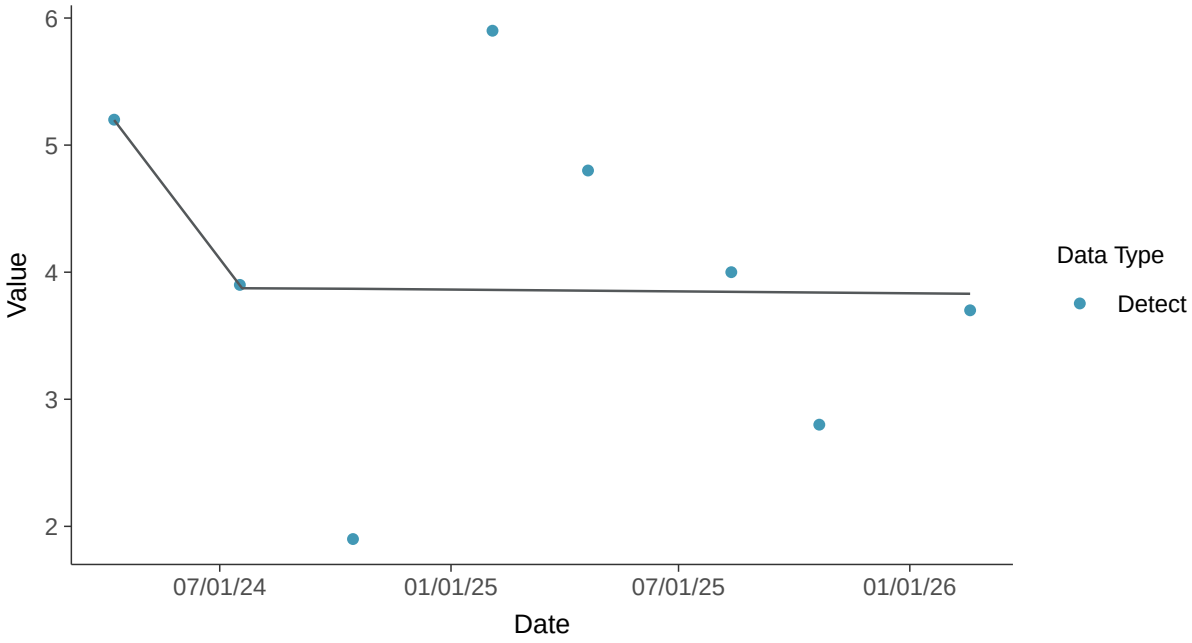
Trend Regression: Lognormal MLE

Boron, MW-37 (mg/L)



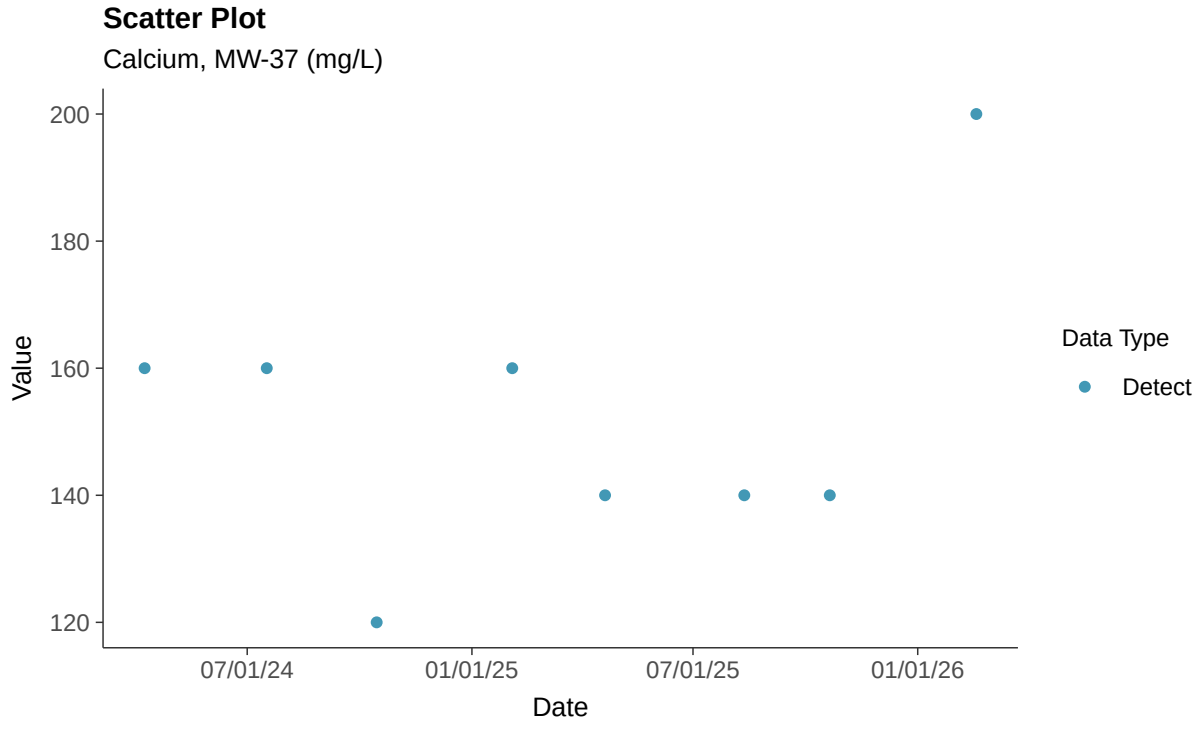
Trend Regression: Piecewise Linear-Linear

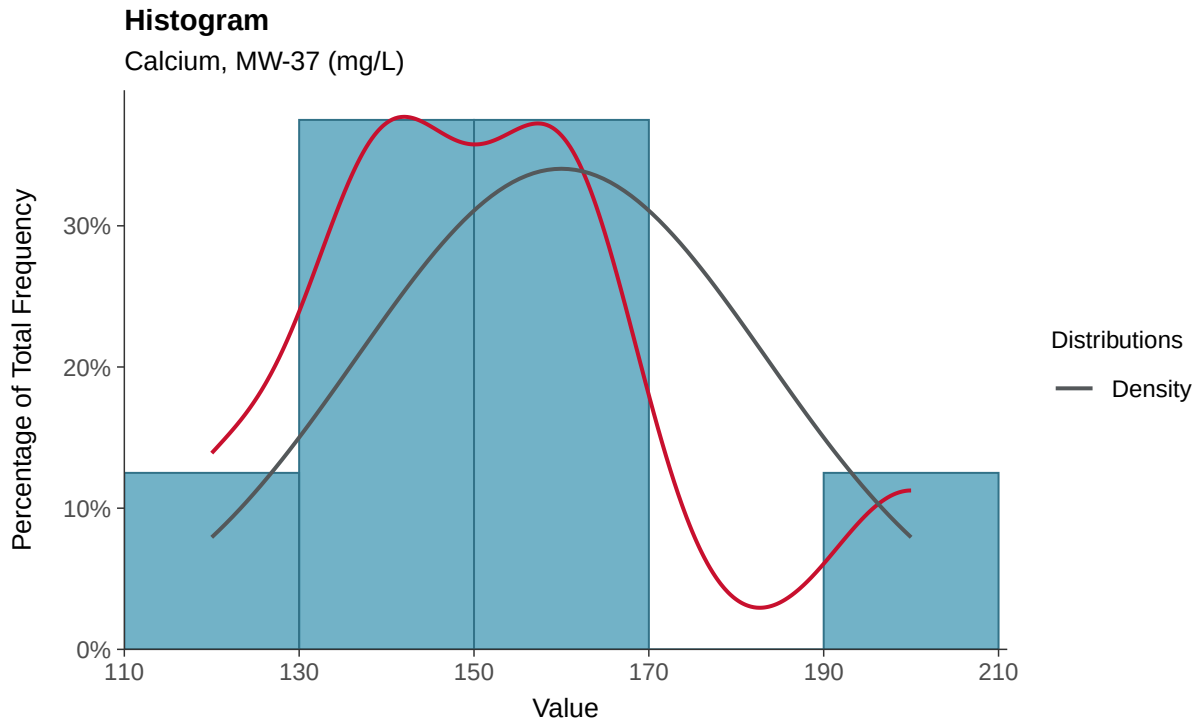
Boron, MW-37 (mg/L)



Appendix III: Calcium, MW-37

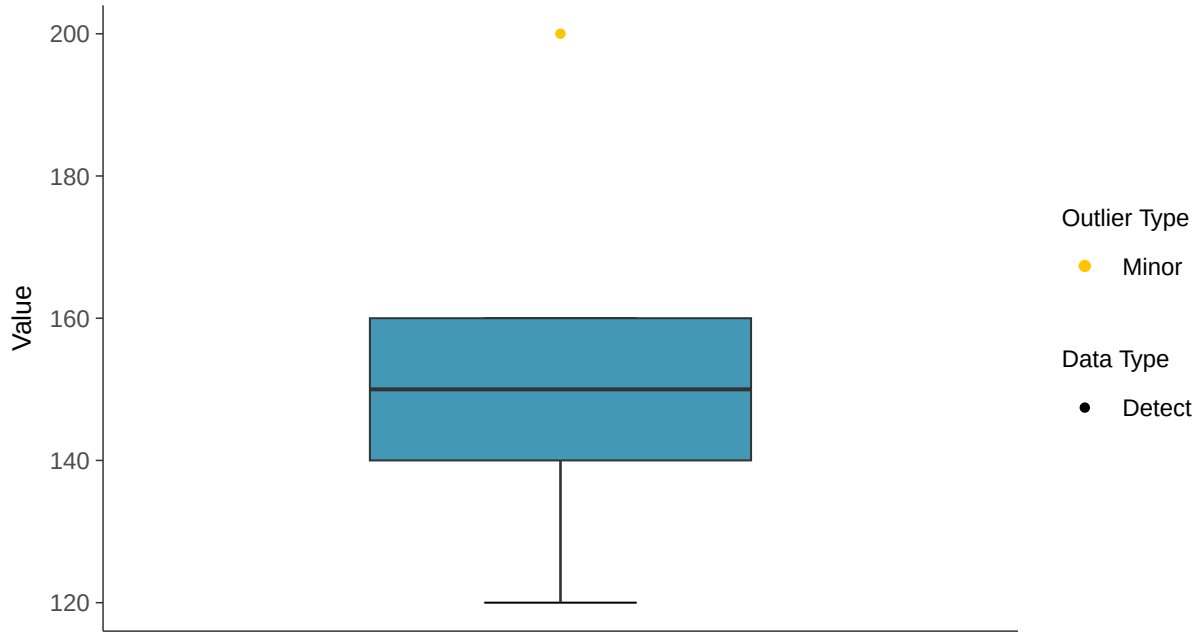
ID: 47_1_3_107





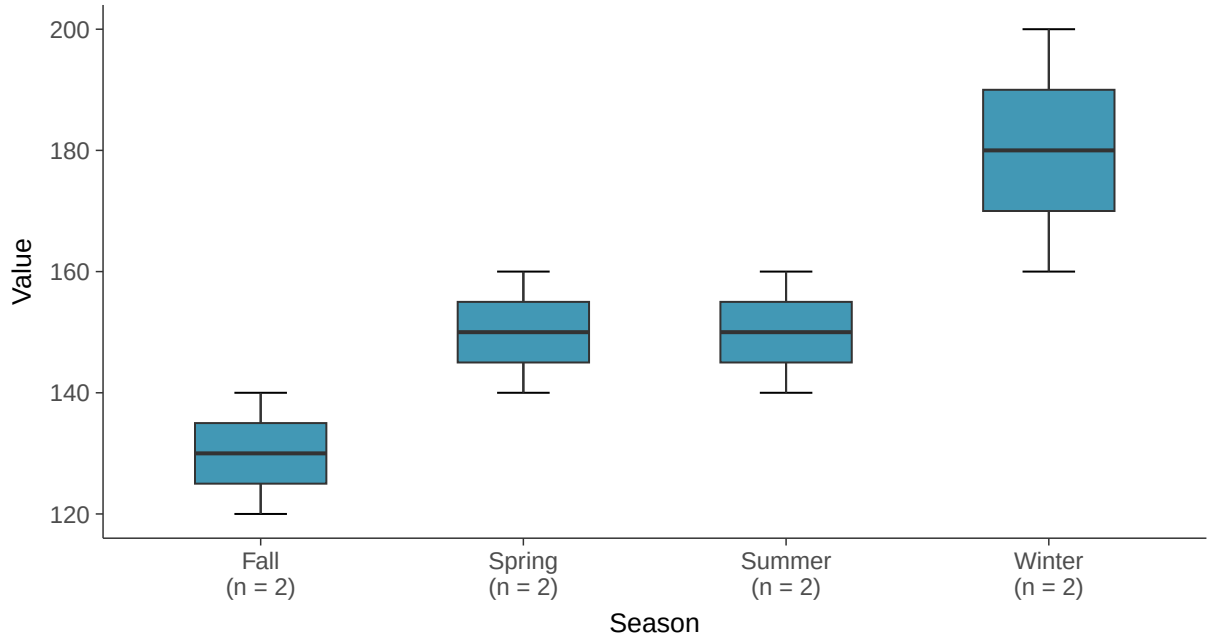
Boxplot

Calcium, MW-37 (mg/L)



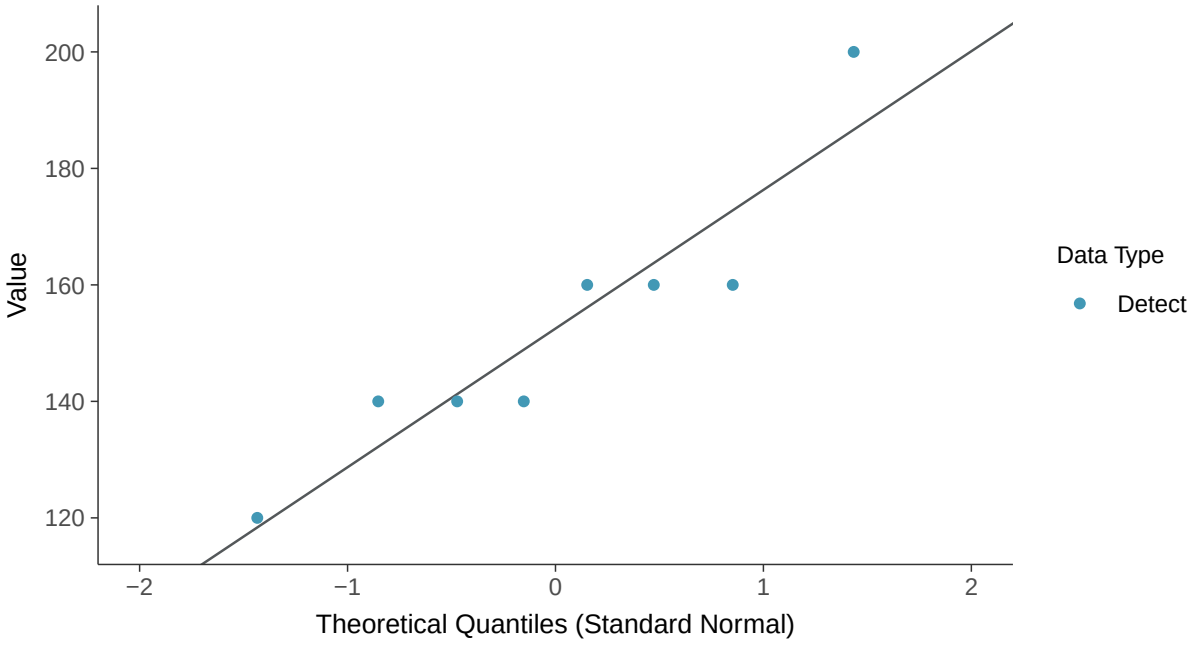
Boxplot by Season

Calcium, MW-37 (mg/L)



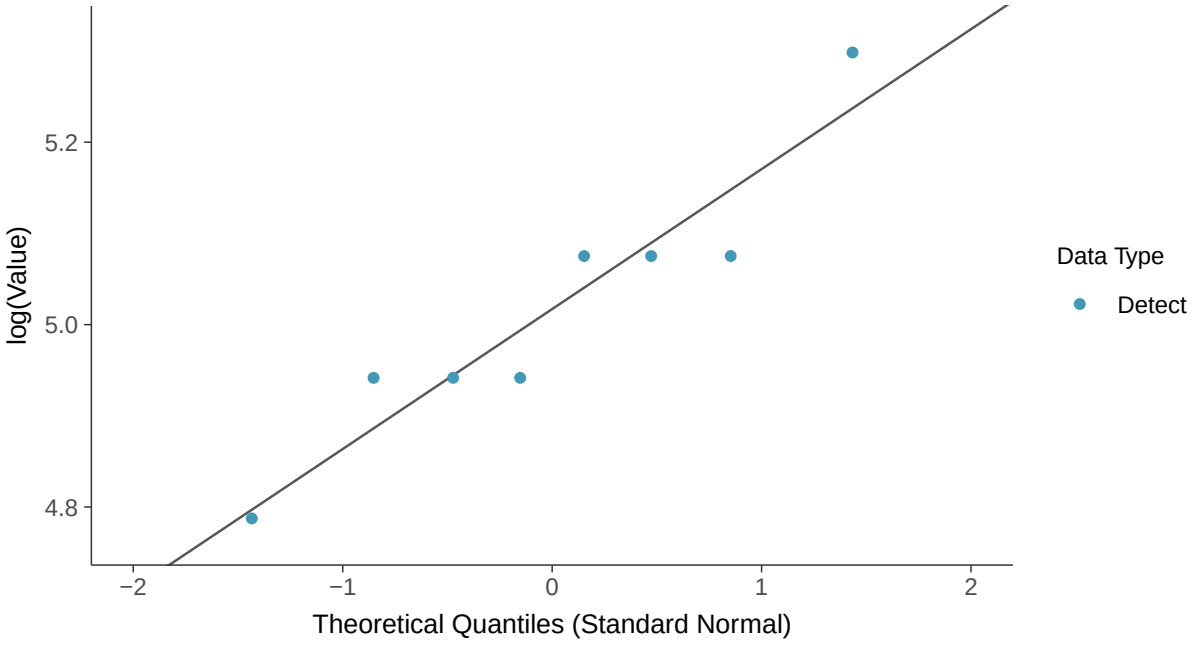
Normal Q-Q plot

Calcium, MW-37 (mg/L)



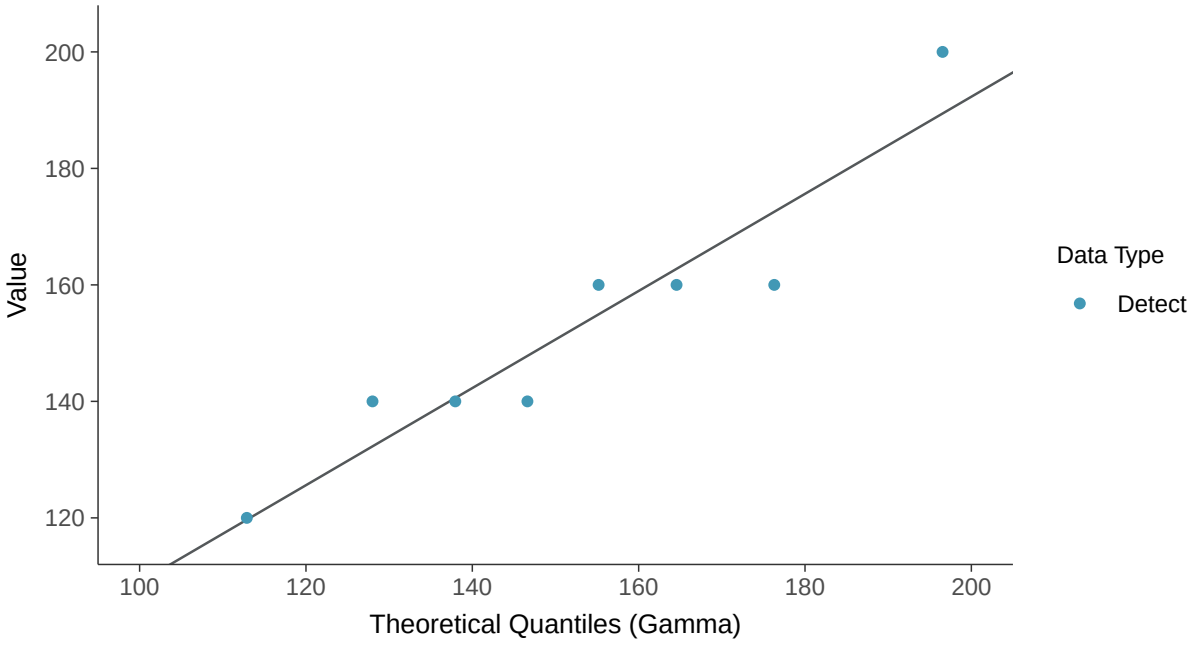
Lognormal Q-Q plot

Calcium, MW-37 (mg/L)



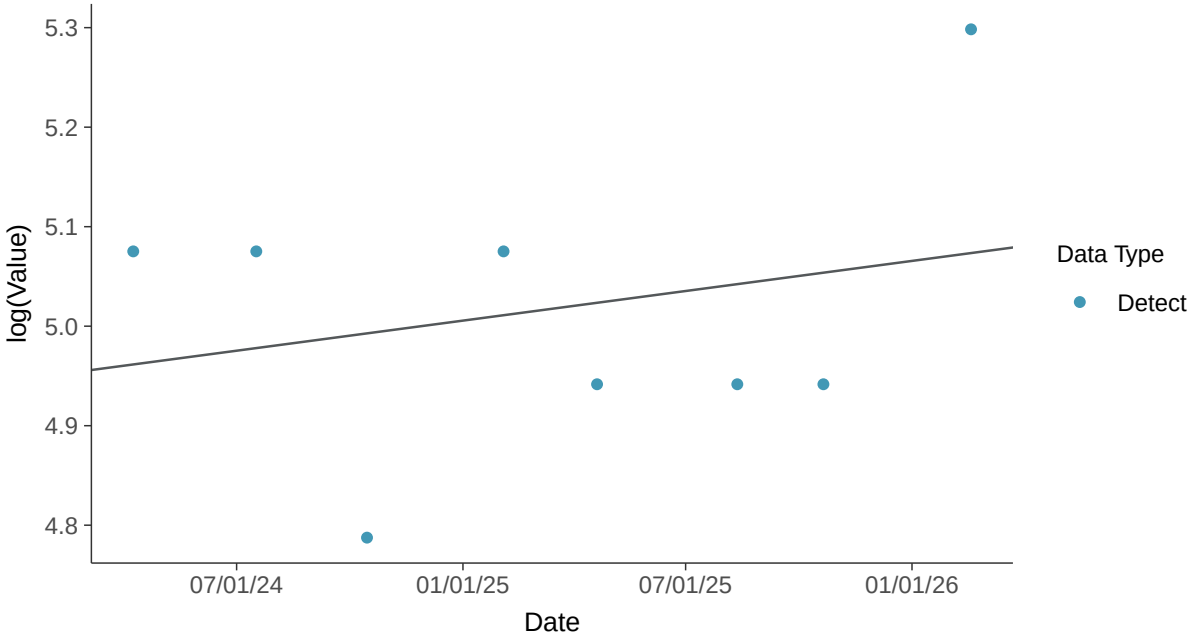
Gamma Q-Q plot

Calcium, MW-37 (mg/L)



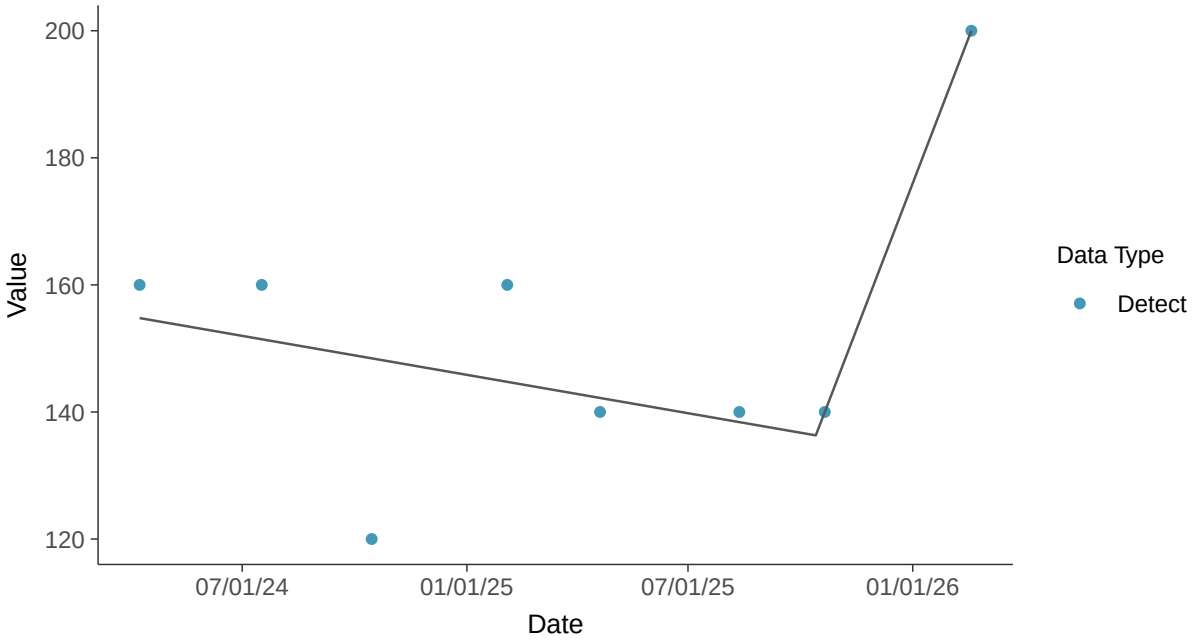
Trend Regression: Lognormal MLE

Calcium, MW-37 (mg/L)



Trend Regression: Piecewise Linear-Linear

Calcium, MW-37 (mg/L)

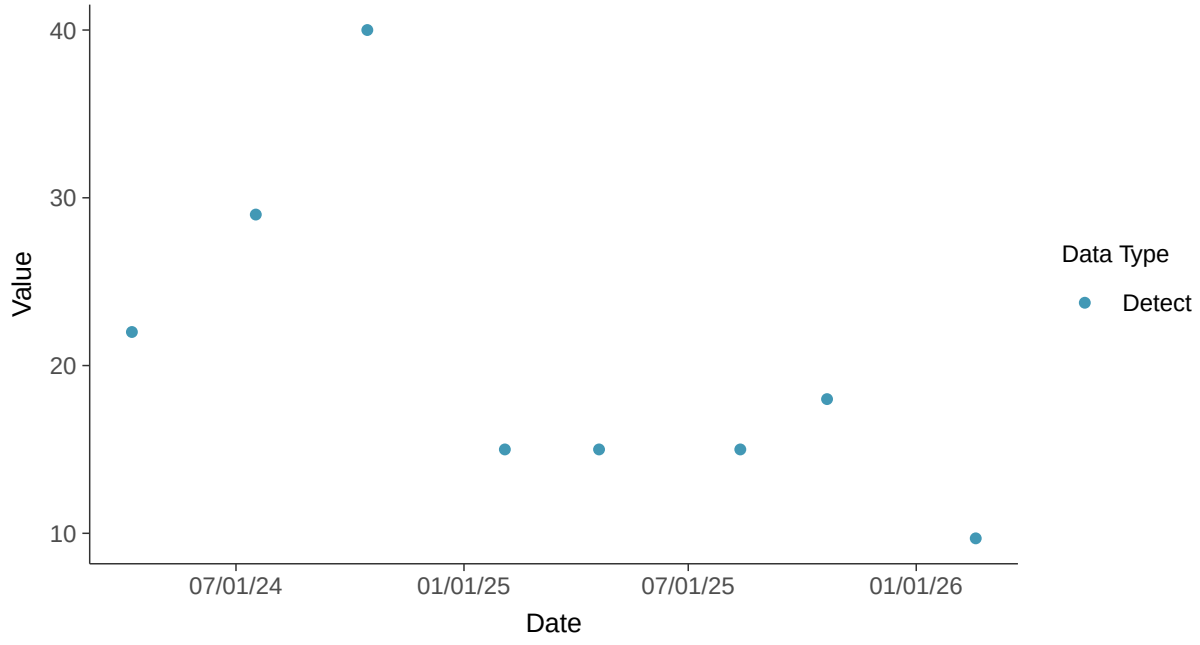


Appendix III: Chloride (as Cl), MW-37

ID: 47_1_3_108

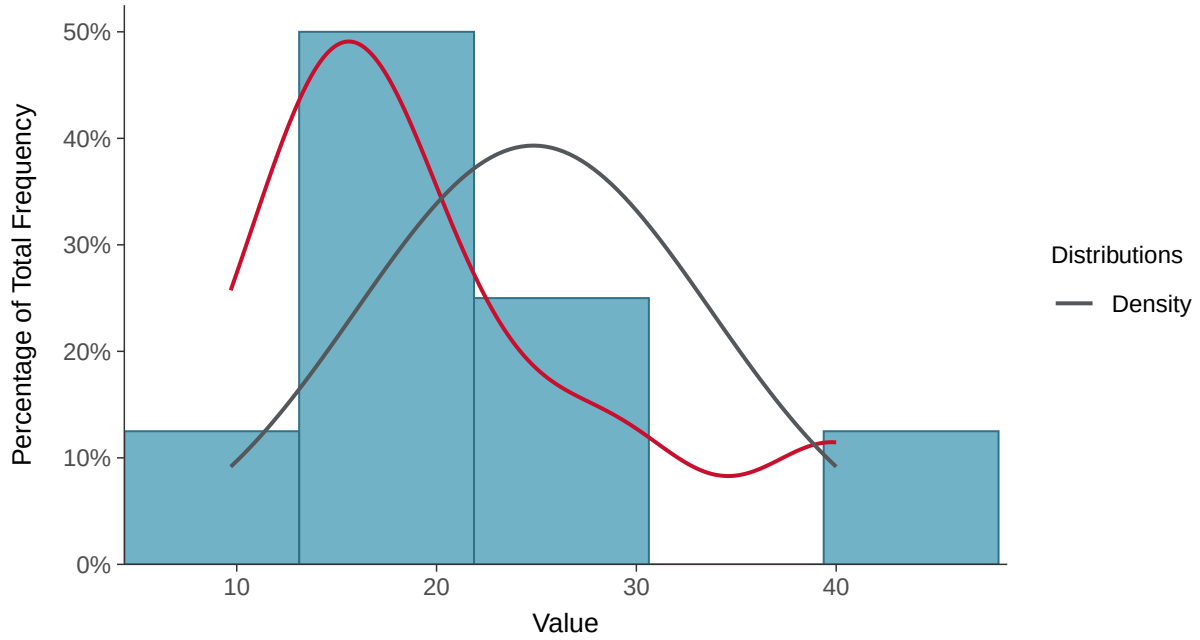
Scatter Plot

Chloride (as Cl), MW-37 (mg/L)



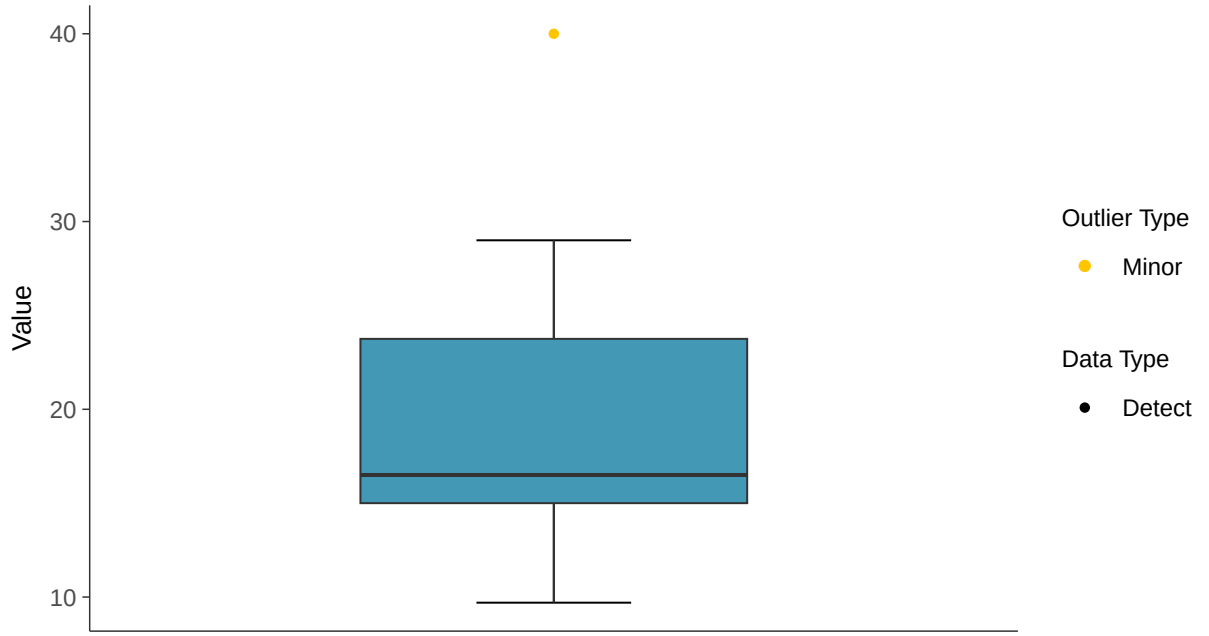
Histogram

Chloride (as Cl), MW-37 (mg/L)



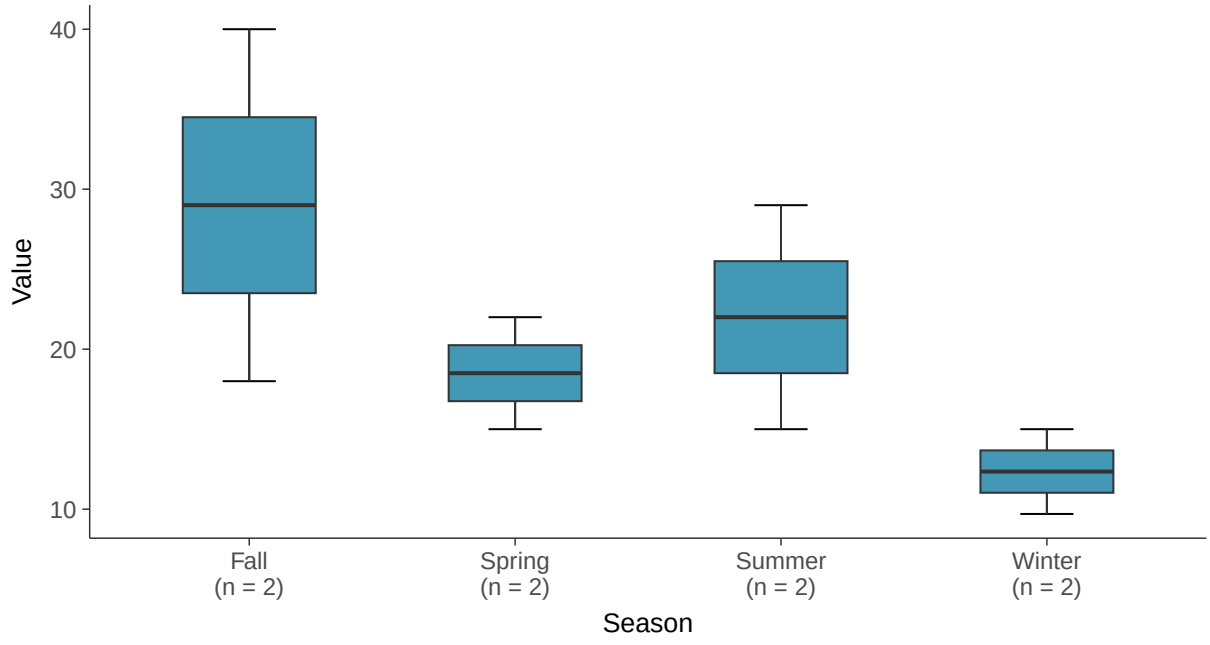
Boxplot

Chloride (as Cl), MW-37 (mg/L)



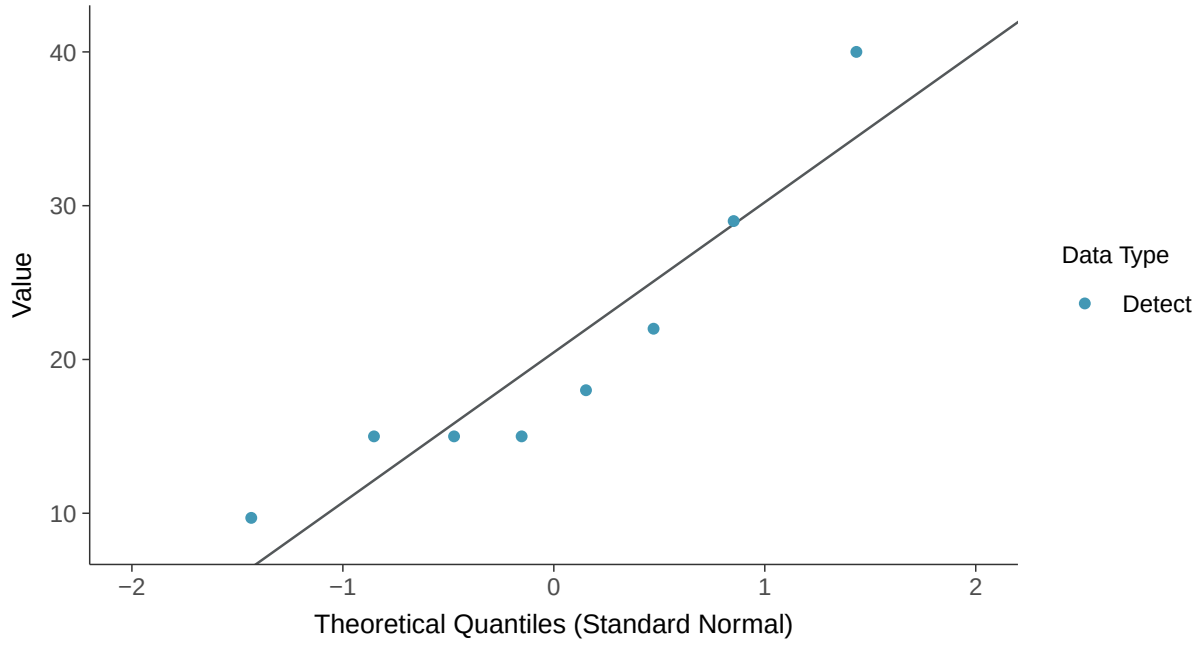
Boxplot by Season

Chloride (as Cl), MW-37 (mg/L)



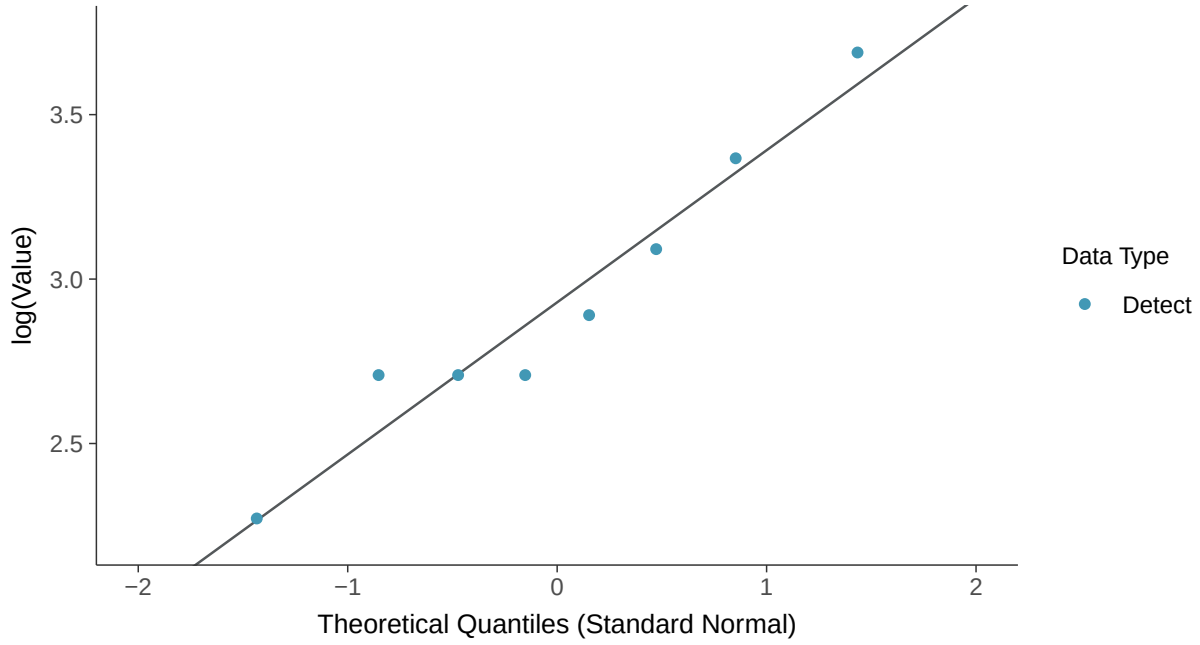
Normal Q-Q plot

Chloride (as Cl), MW-37 (mg/L)



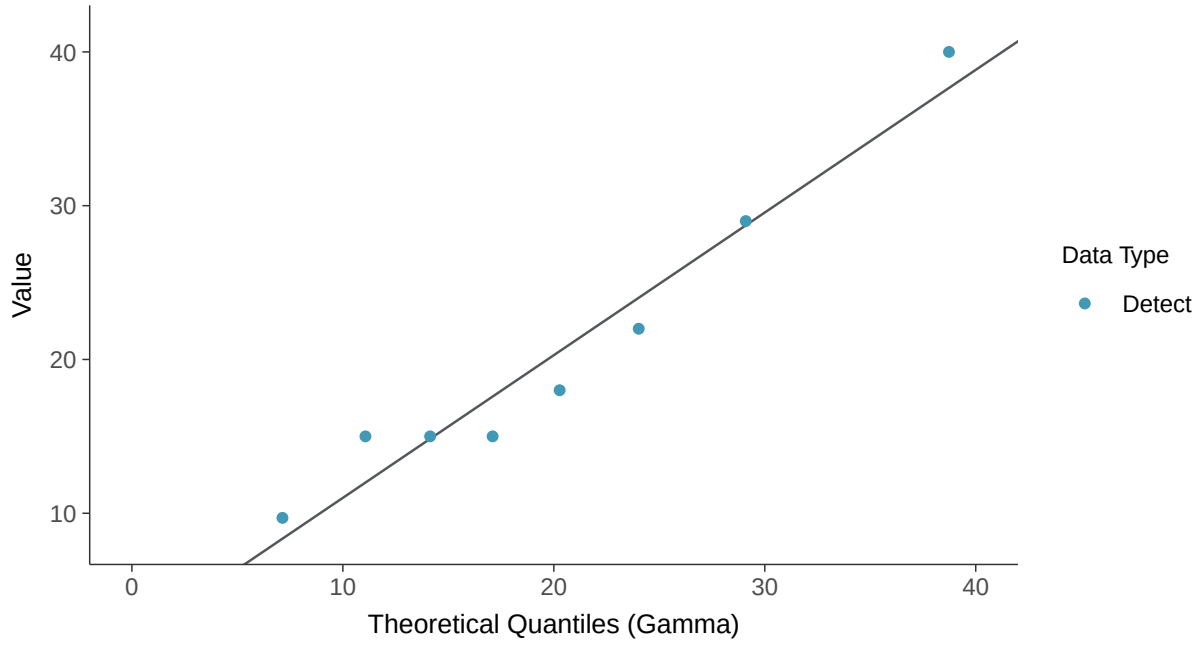
Lognormal Q-Q plot

Chloride (as Cl), MW-37 (mg/L)



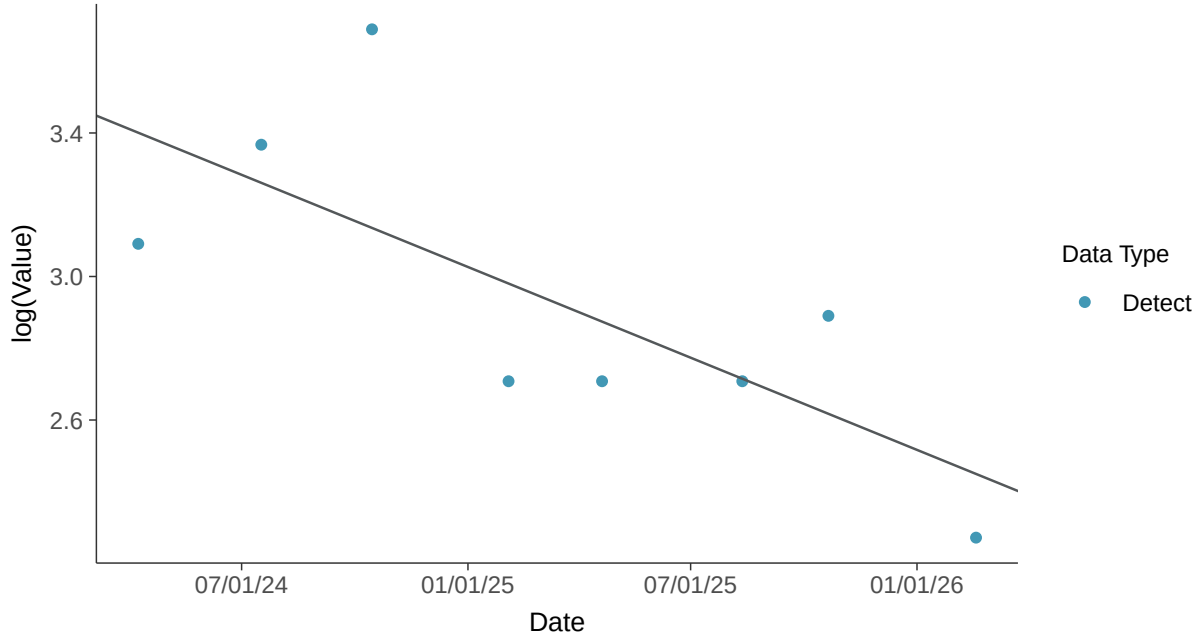
Gamma Q-Q plot

Chloride (as Cl), MW-37 (mg/L)



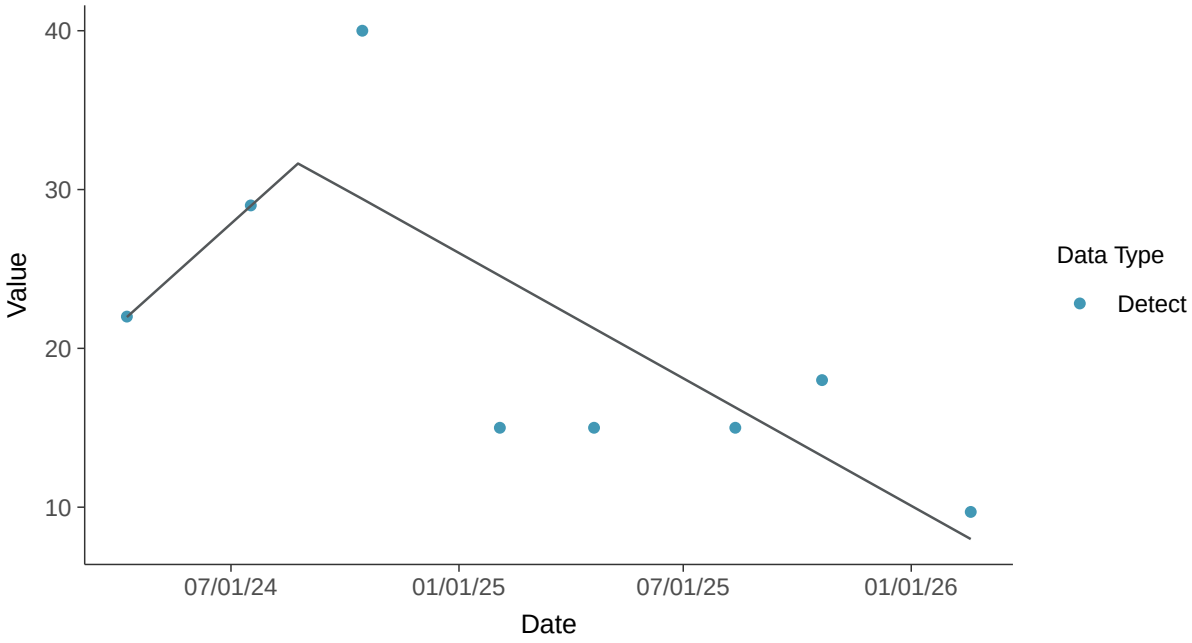
Trend Regression: Lognormal MLE

Chloride (as Cl), MW-37 (mg/L)



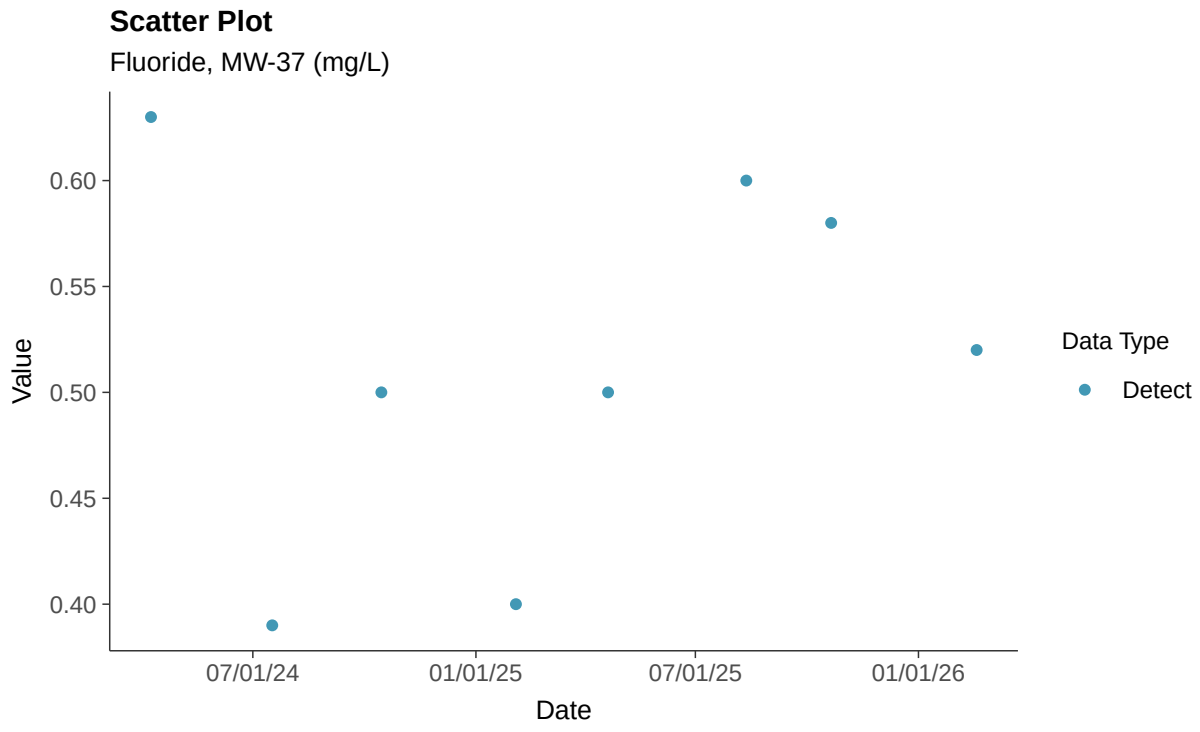
Trend Regression: Piecewise Linear-Linear

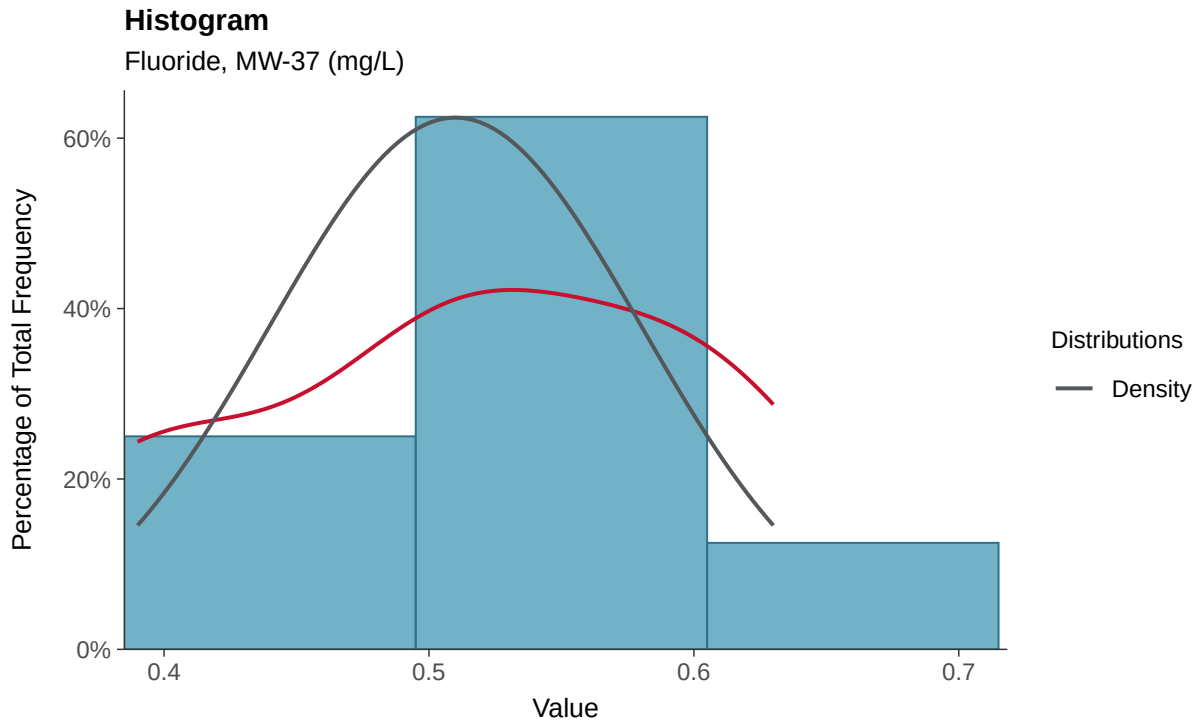
Chloride (as Cl), MW-37 (mg/L)



Appendix III: Fluoride, MW-37

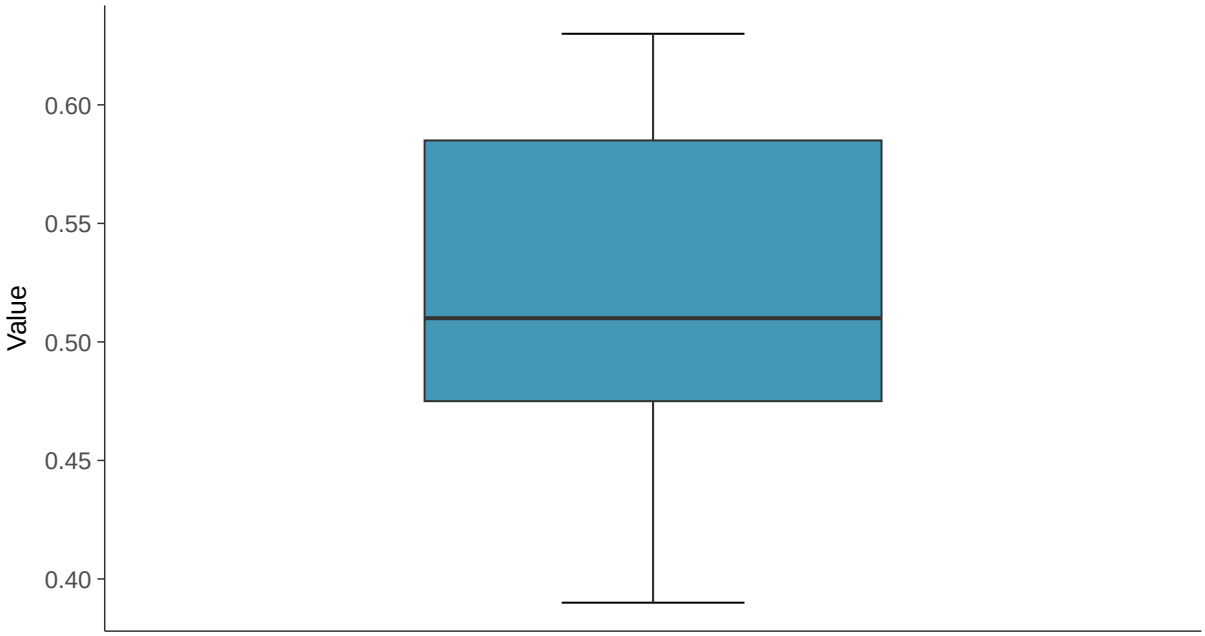
ID: 47_1_3_112





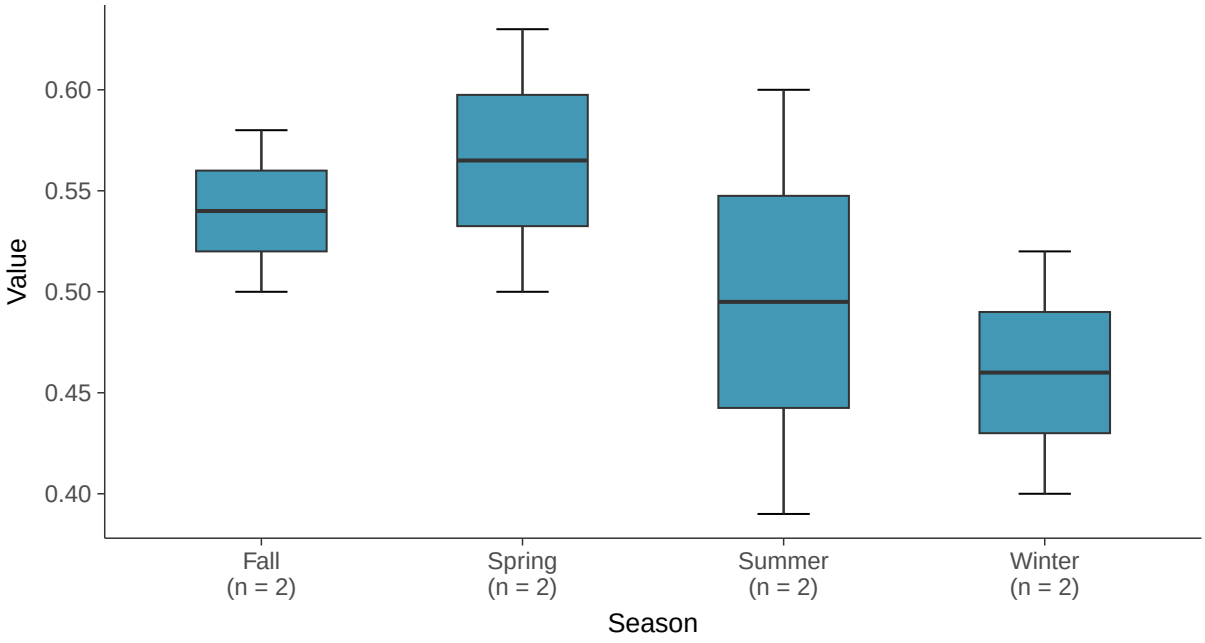
Boxplot

Fluoride, MW-37 (mg/L)



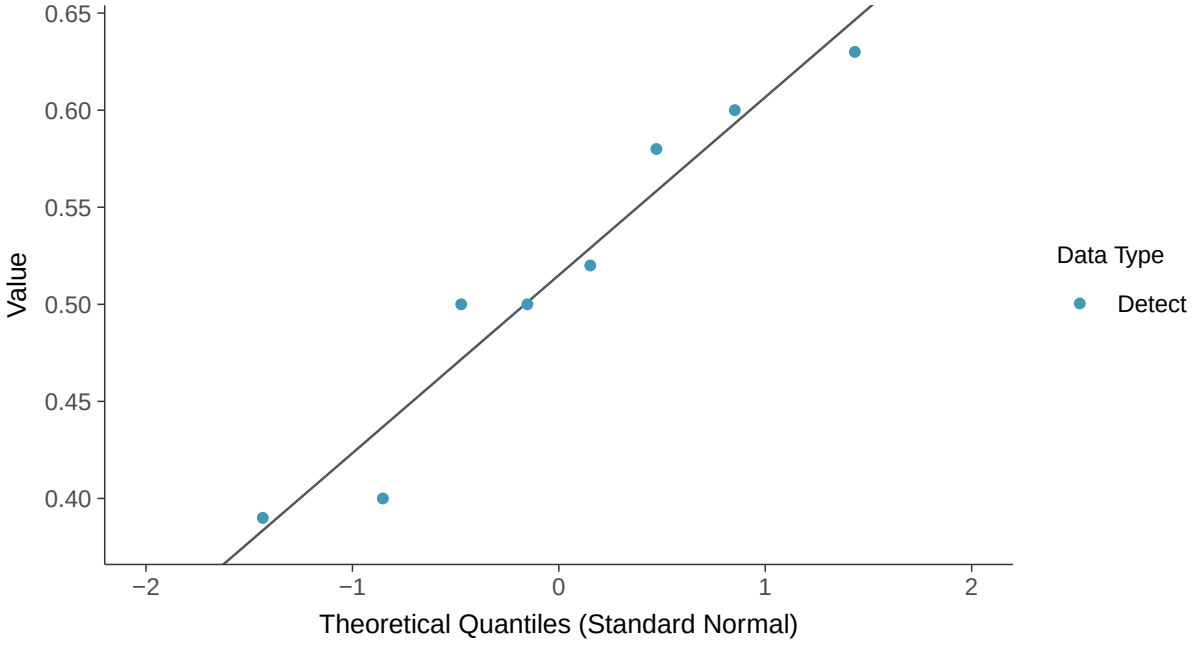
Boxplot by Season

Fluoride, MW-37 (mg/L)



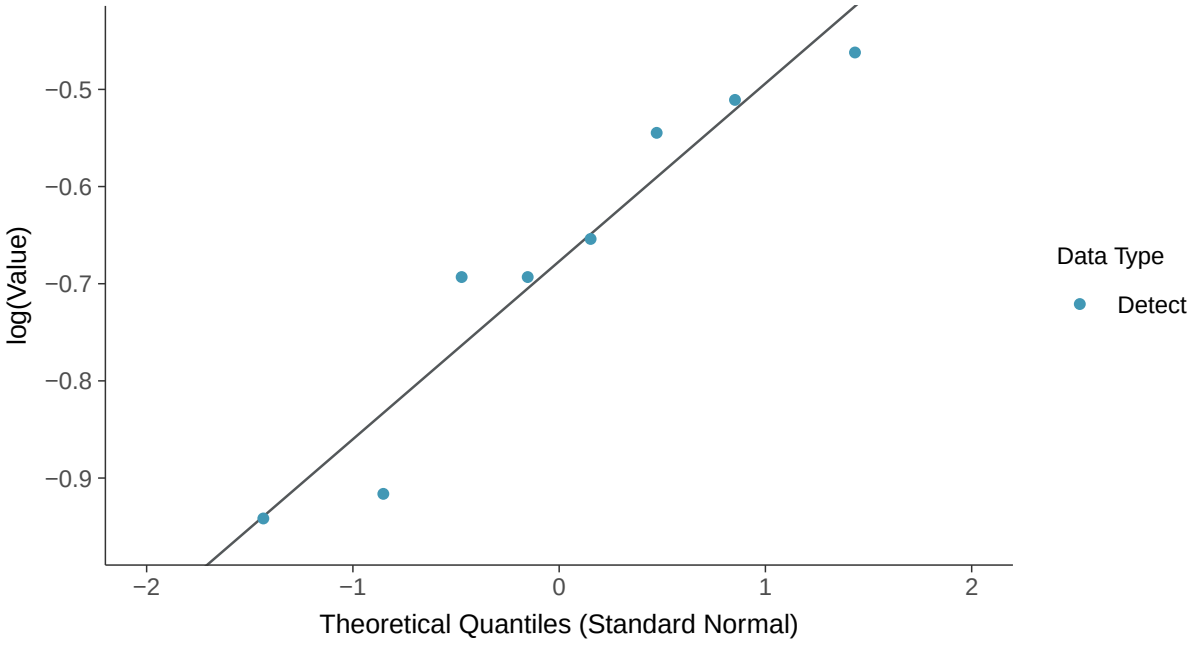
Normal Q-Q plot

Fluoride, MW-37 (mg/L)



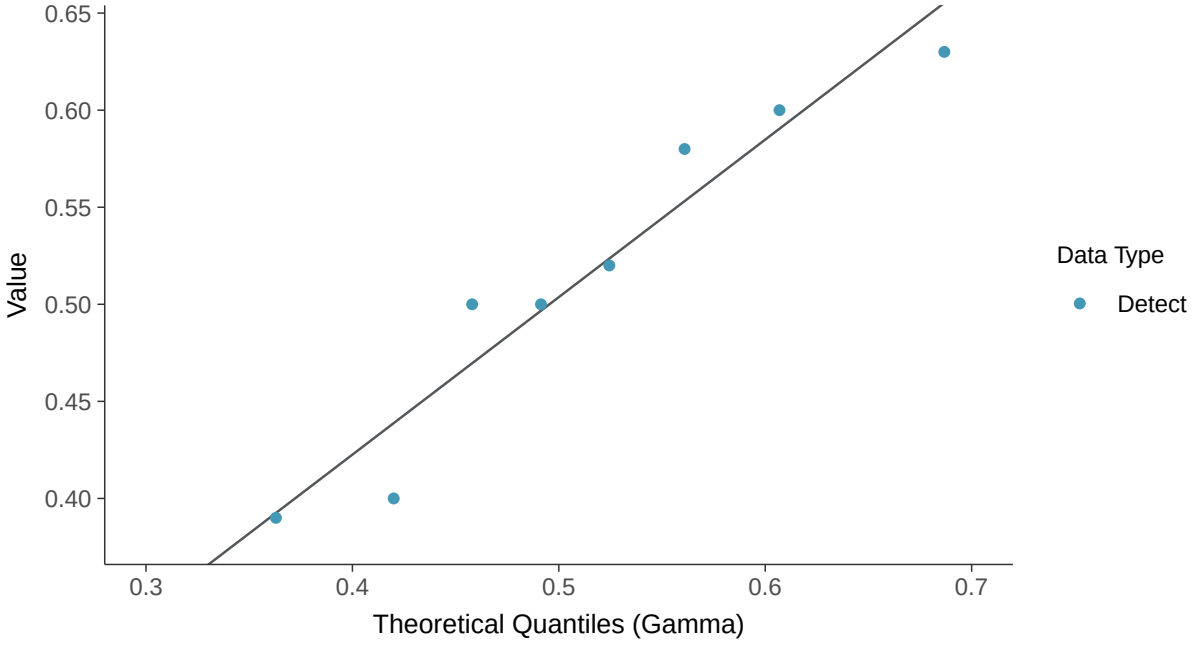
Lognormal Q-Q plot

Fluoride, MW-37 (mg/L)



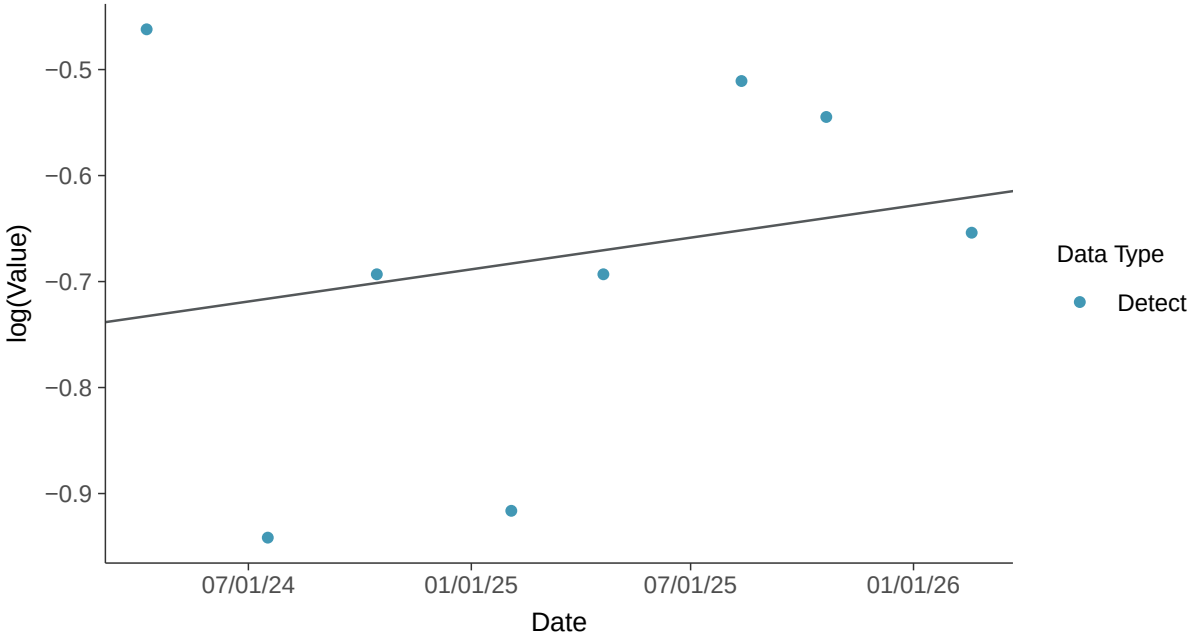
Gamma Q-Q plot

Fluoride, MW-37 (mg/L)



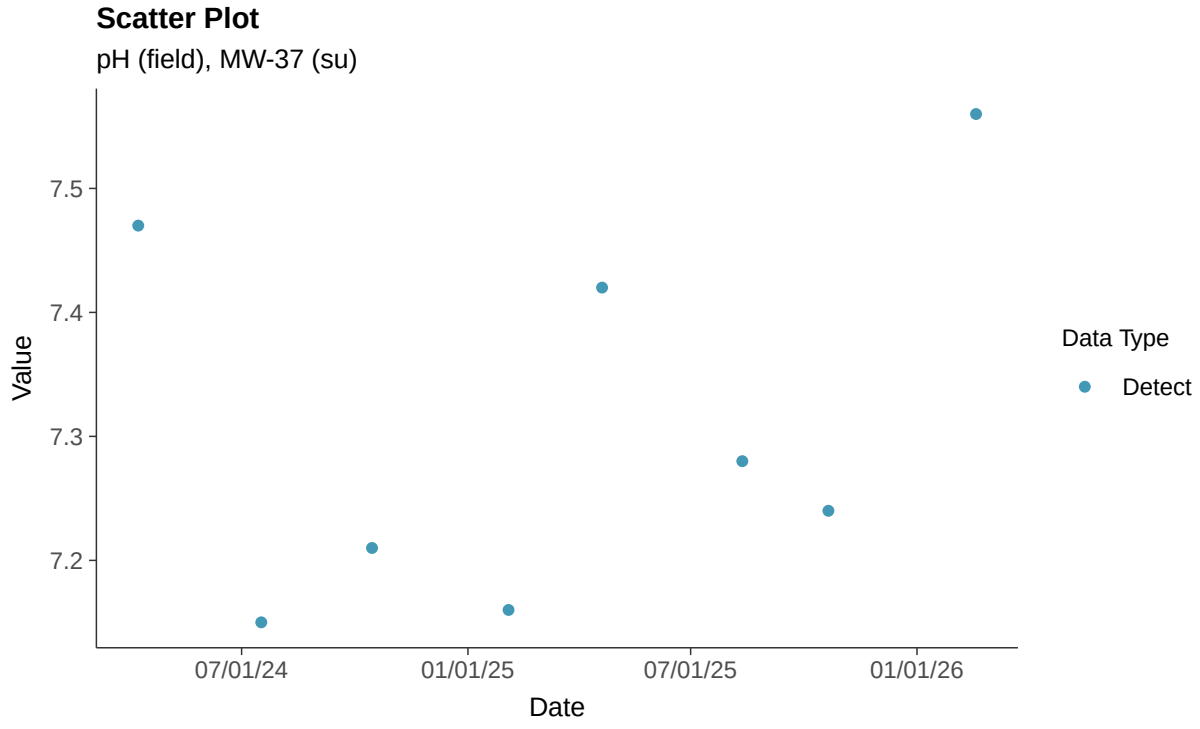
Trend Regression: Lognormal MLE

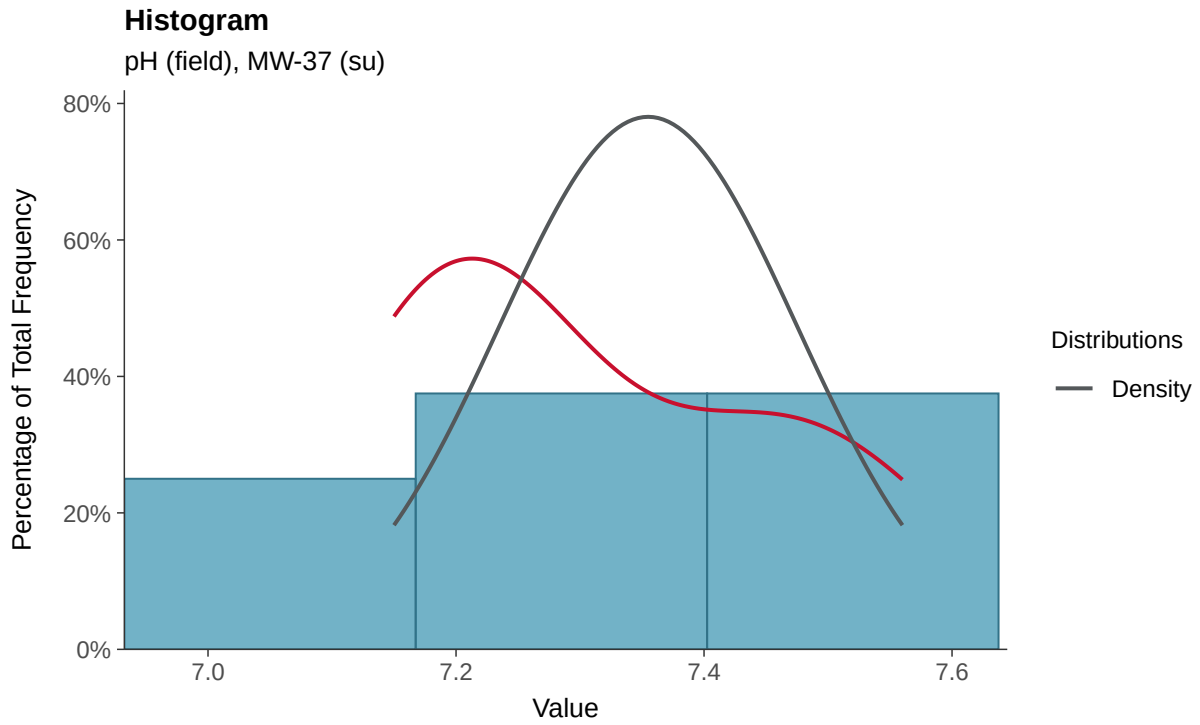
Fluoride, MW-37 (mg/L)



Appendix III: pH (field), MW-37

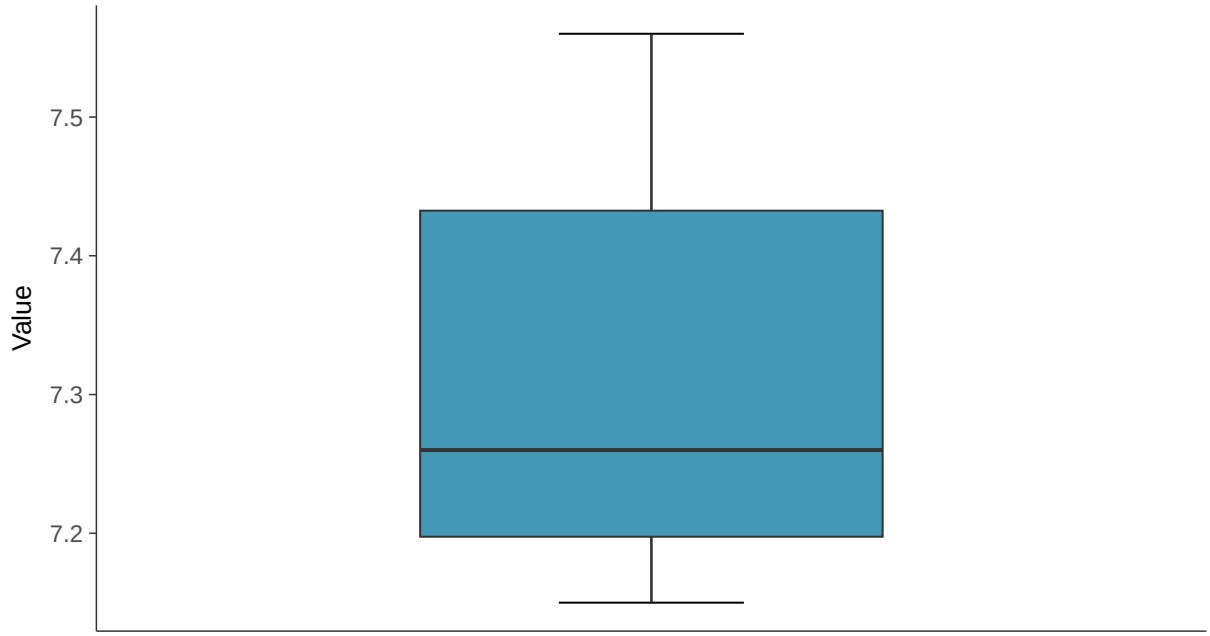
ID: 47_1_3_120





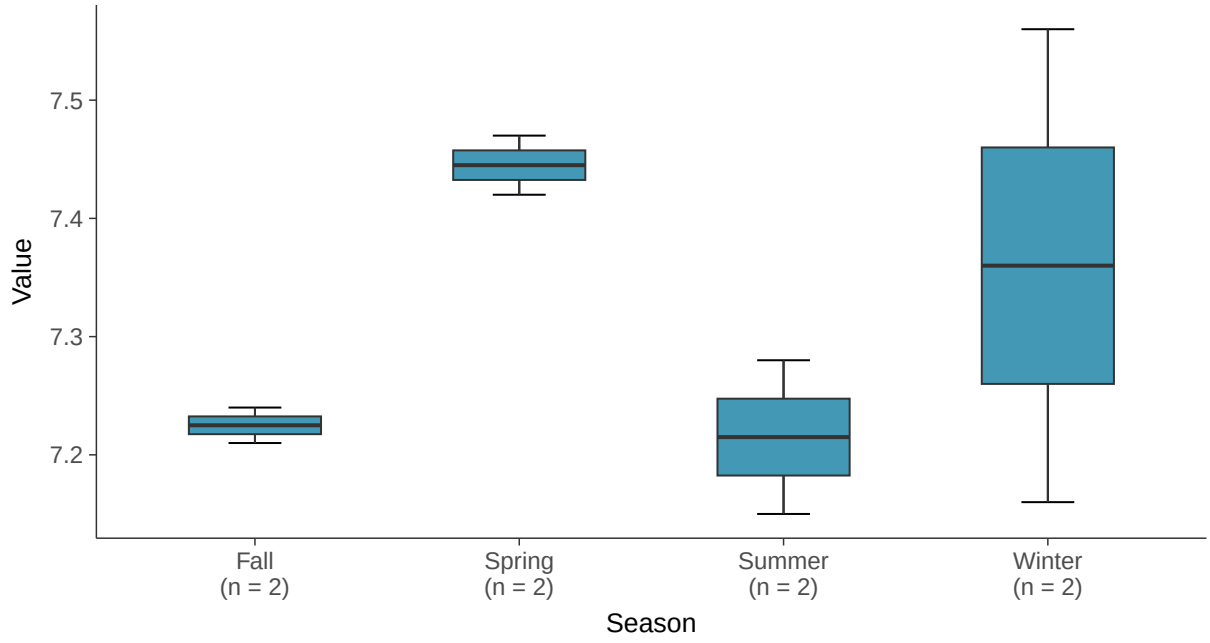
Boxplot

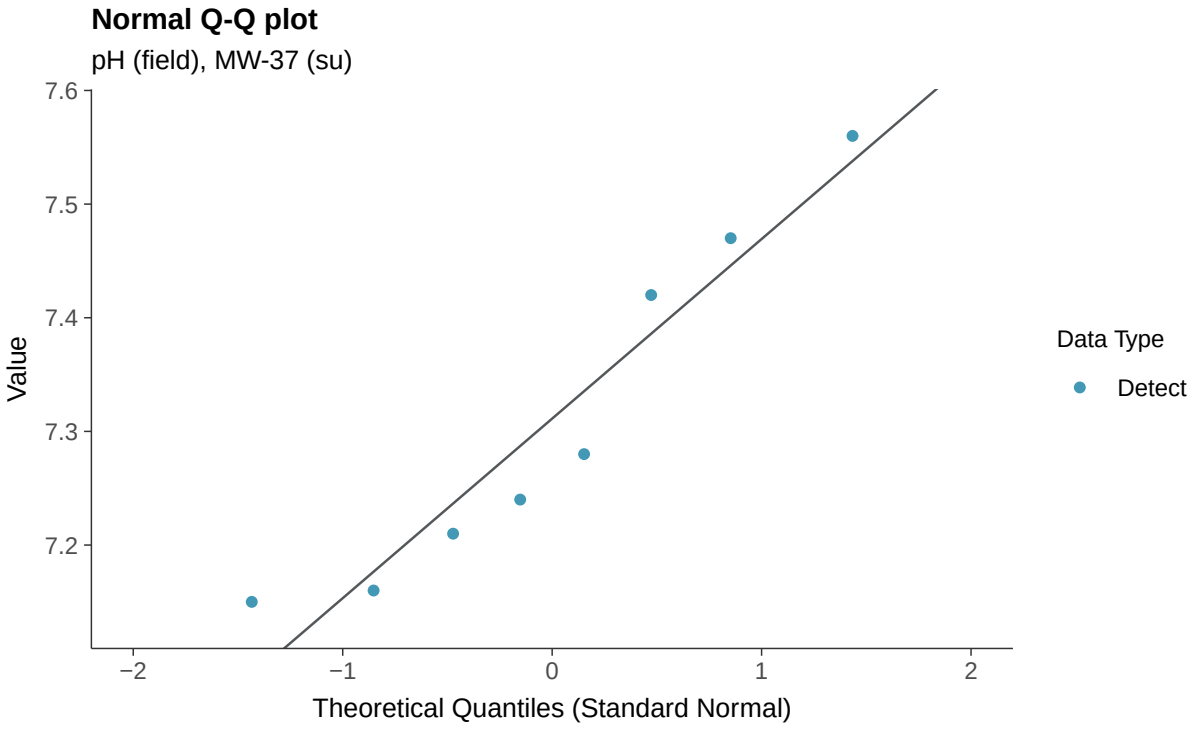
pH (field), MW-37 (su)

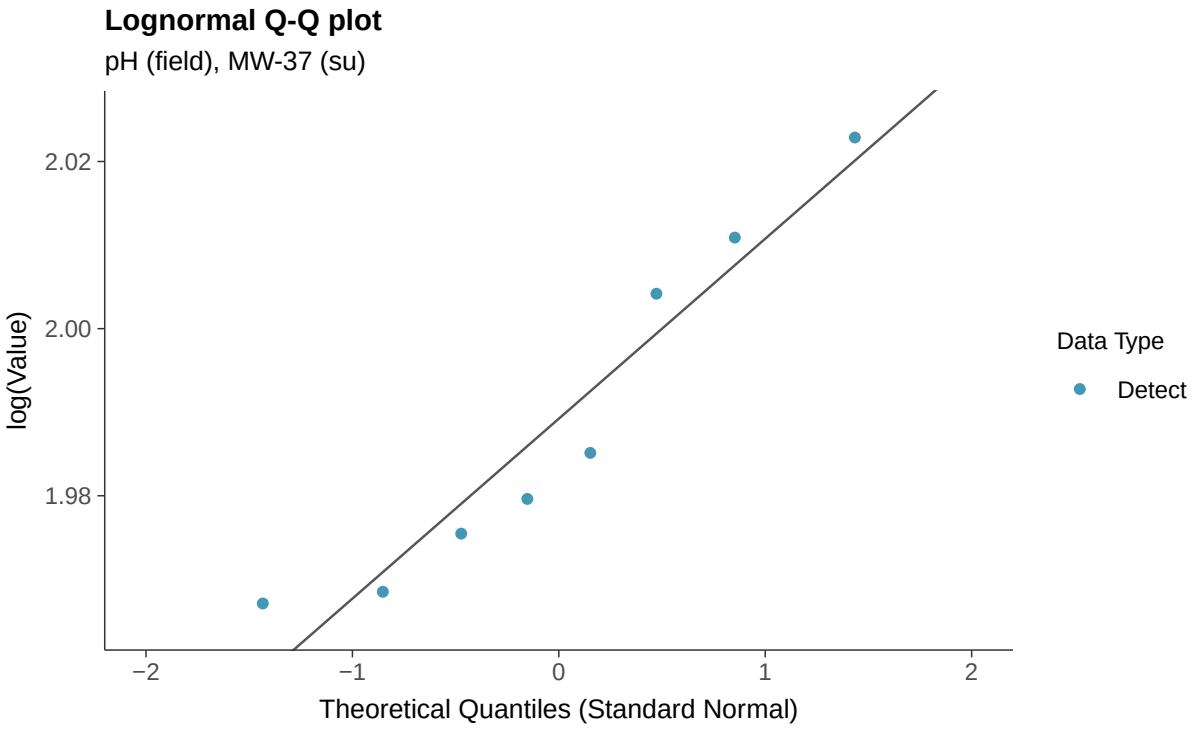


Boxplot by Season

pH (field), MW-37 (su)

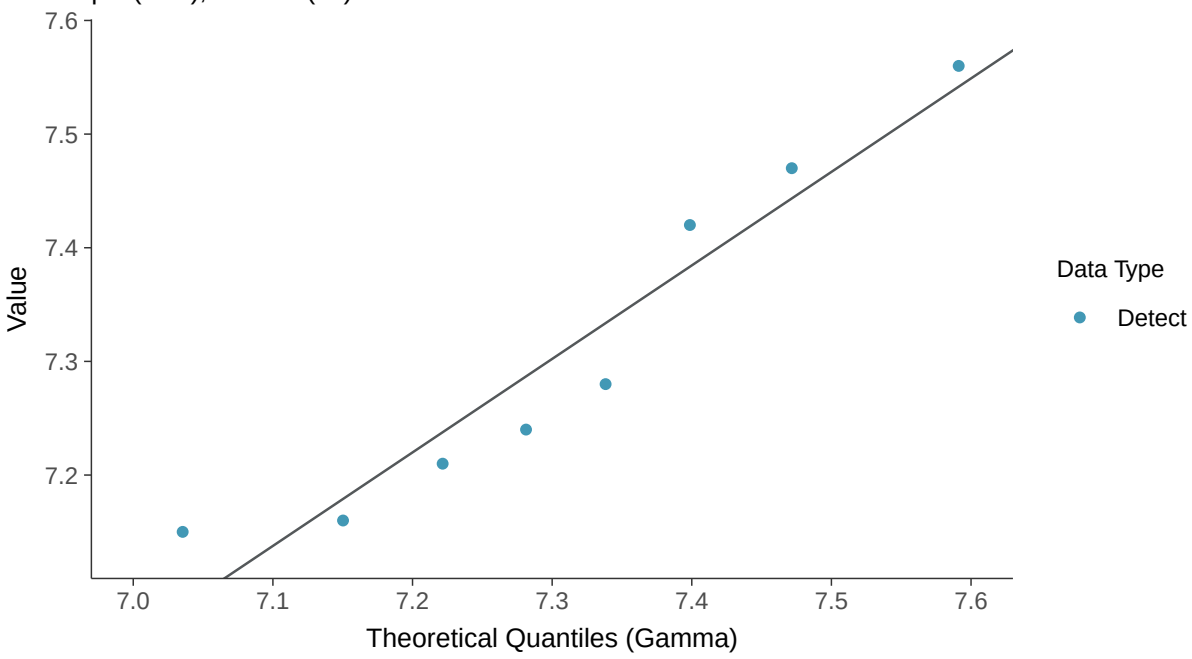



Normal Q-Q plot
pH (field), MW-37 (su)
Value
7.6
7.5
7.4
7.3
7.2
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
pH (field), MW-37 (su)
log(Value)
2.02
2.00
1.98
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

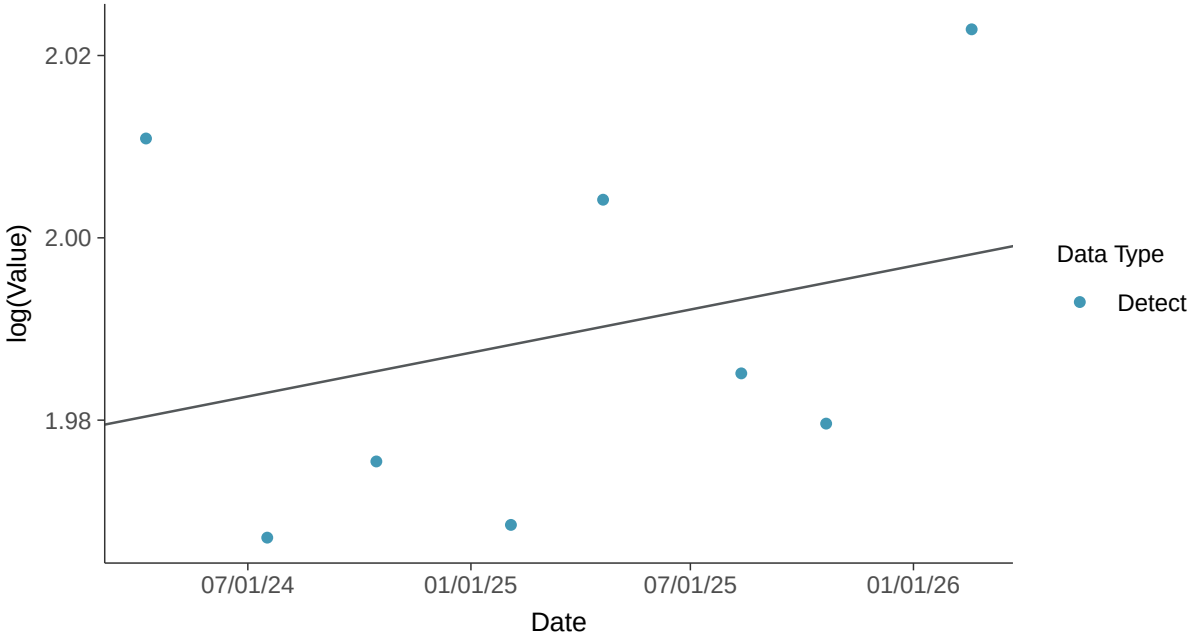
Gamma Q-Q plot

pH (field), MW-37 (su)



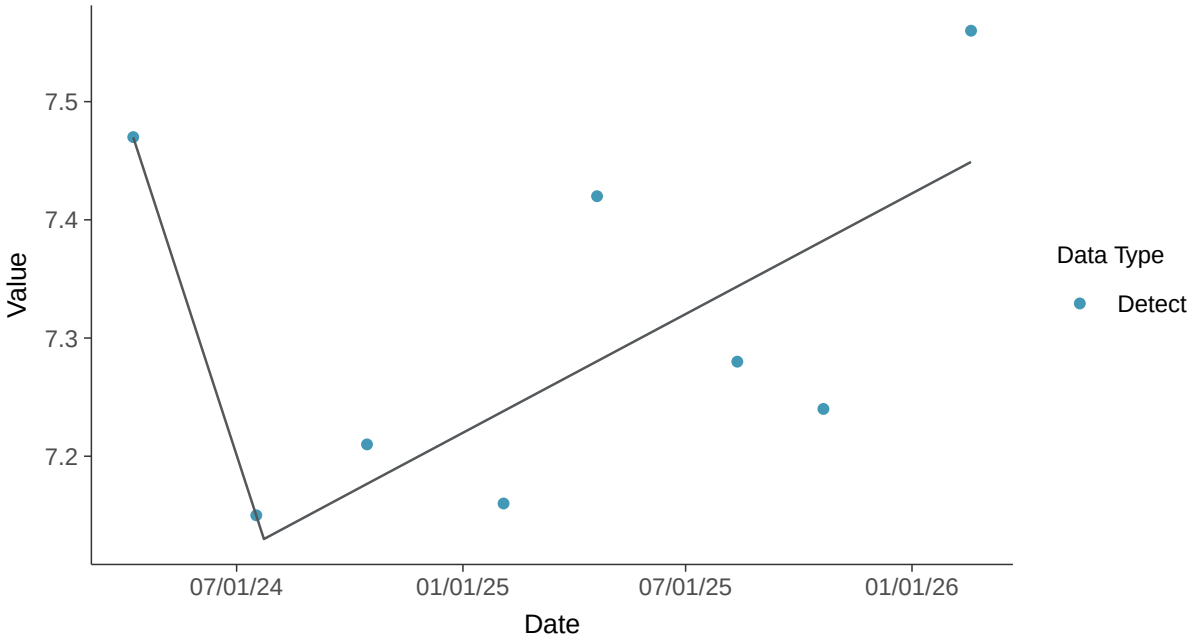
Trend Regression: Lognormal MLE

pH (field), MW-37 (su)



Trend Regression: Piecewise Linear-Linear

pH (field), MW-37 (su)

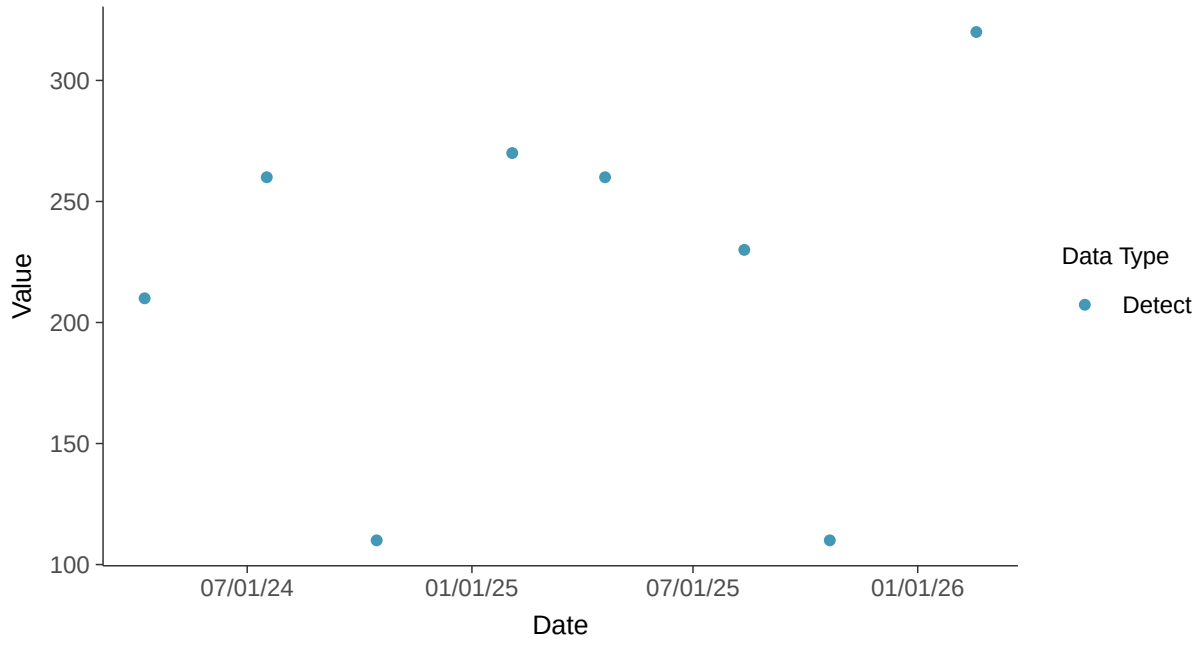


Appendix III: Sulfate (as SO4), MW-37

ID: 47_1_3_124

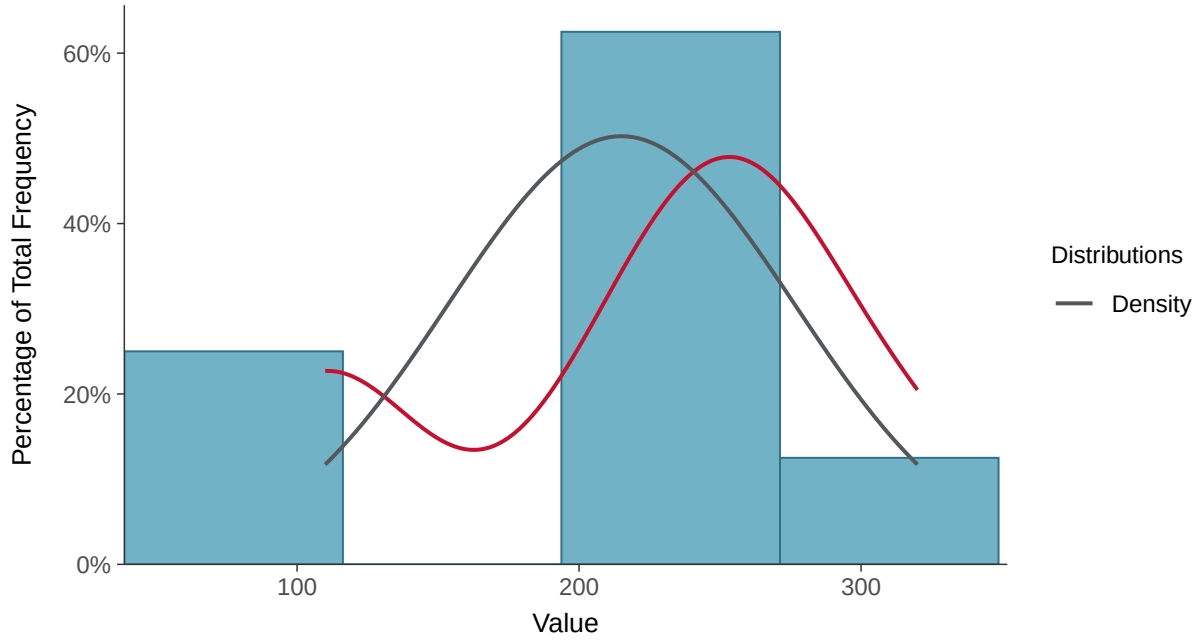
Scatter Plot

Sulfate (as SO4), MW-37 (mg/L)



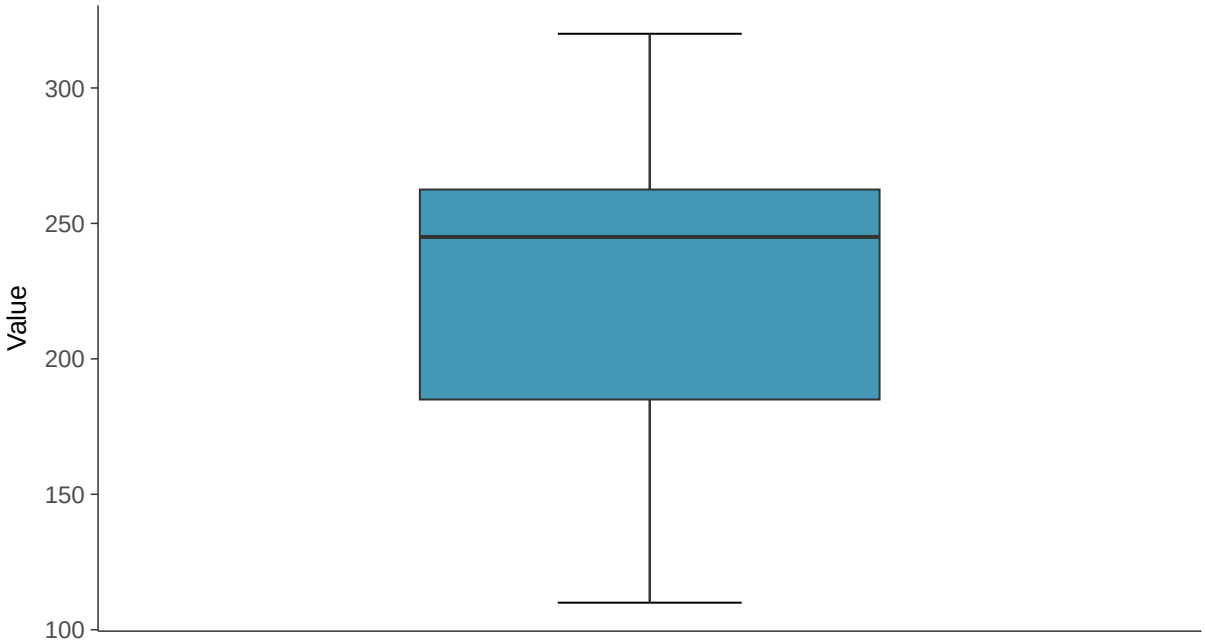
Histogram

Sulfate (as SO4), MW-37 (mg/L)



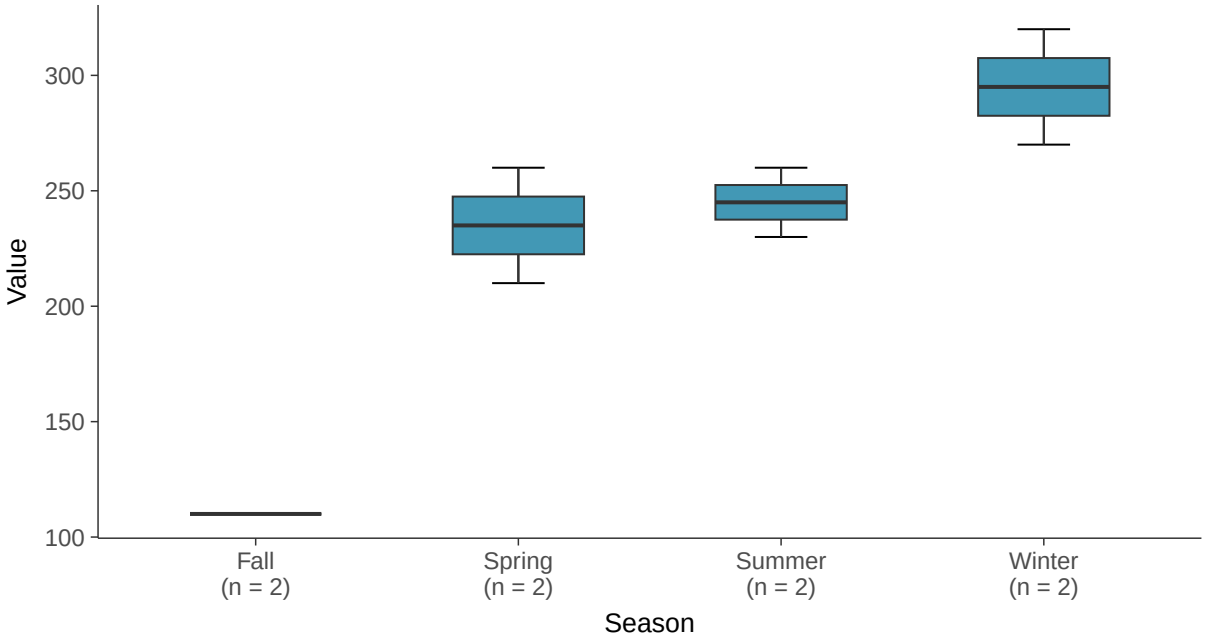
Boxplot

Sulfate (as SO4), MW-37 (mg/L)



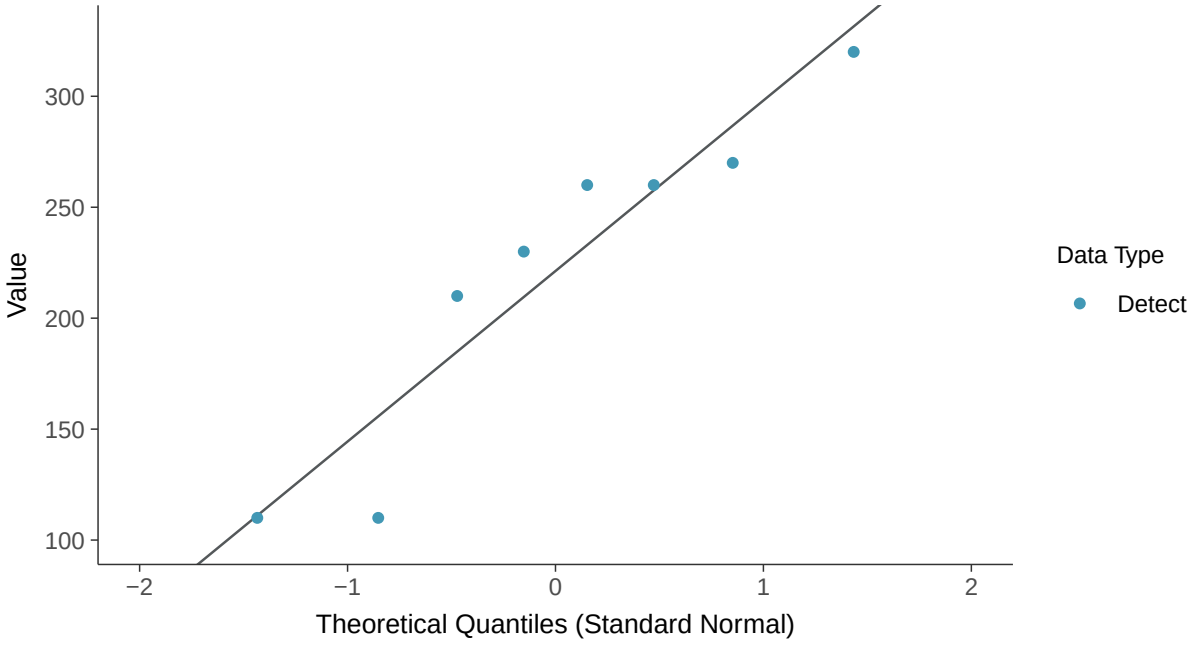
Boxplot by Season

Sulfate (as SO4), MW-37 (mg/L)



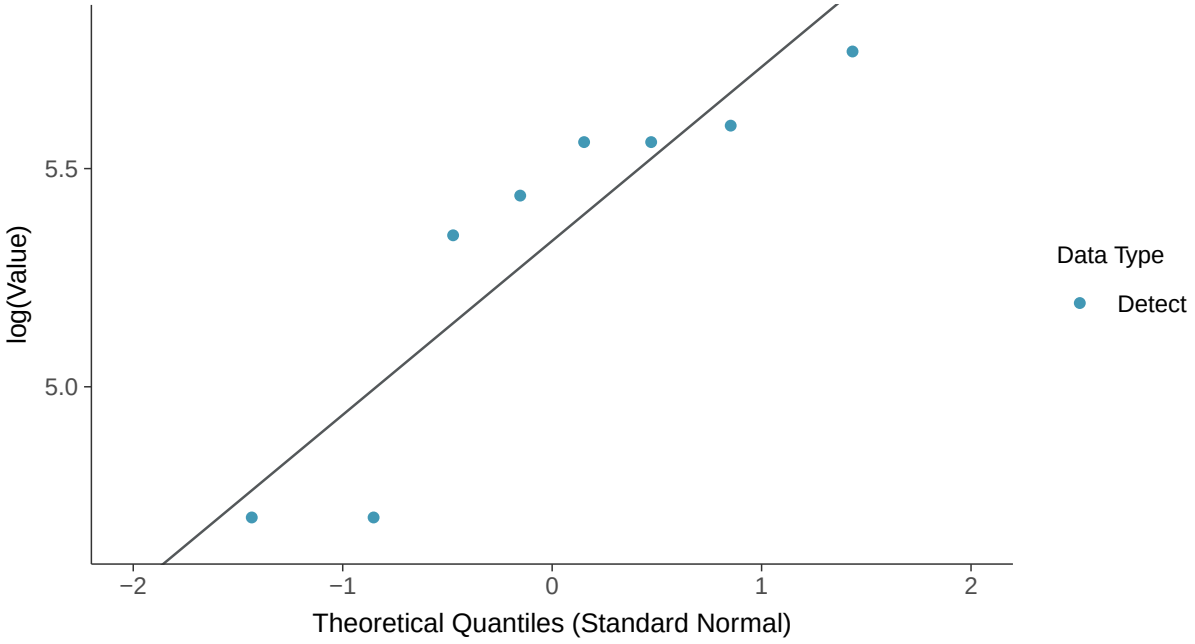
Normal Q-Q plot

Sulfate (as SO4), MW-37 (mg/L)



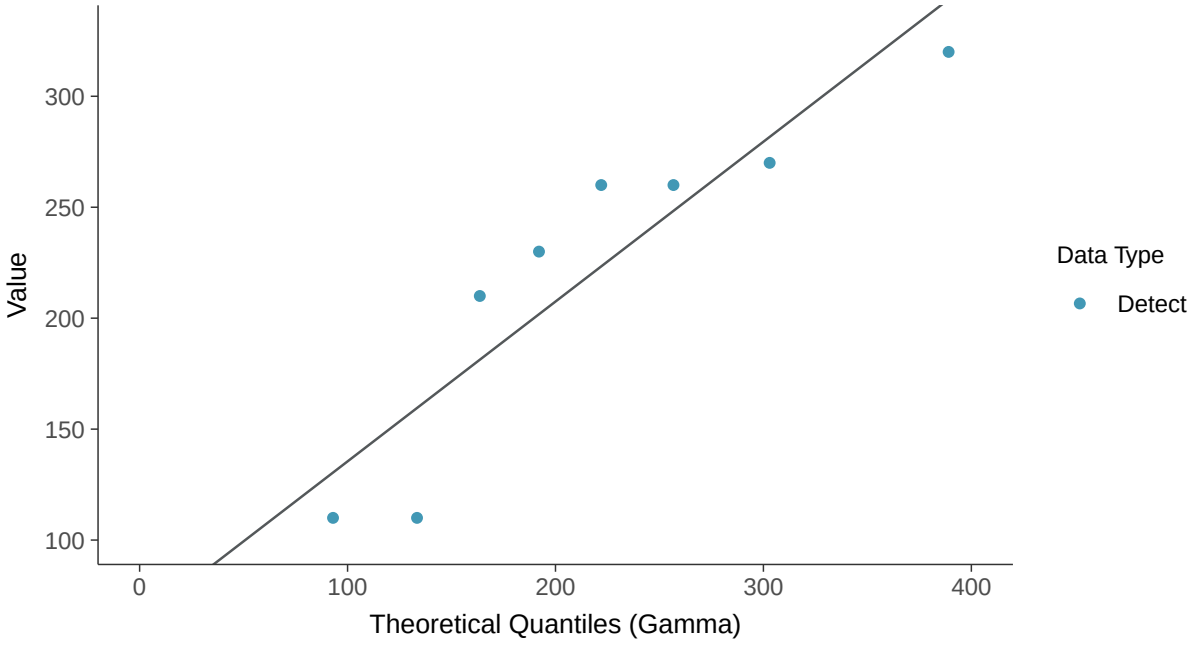
Lognormal Q-Q plot

Sulfate (as SO4), MW-37 (mg/L)



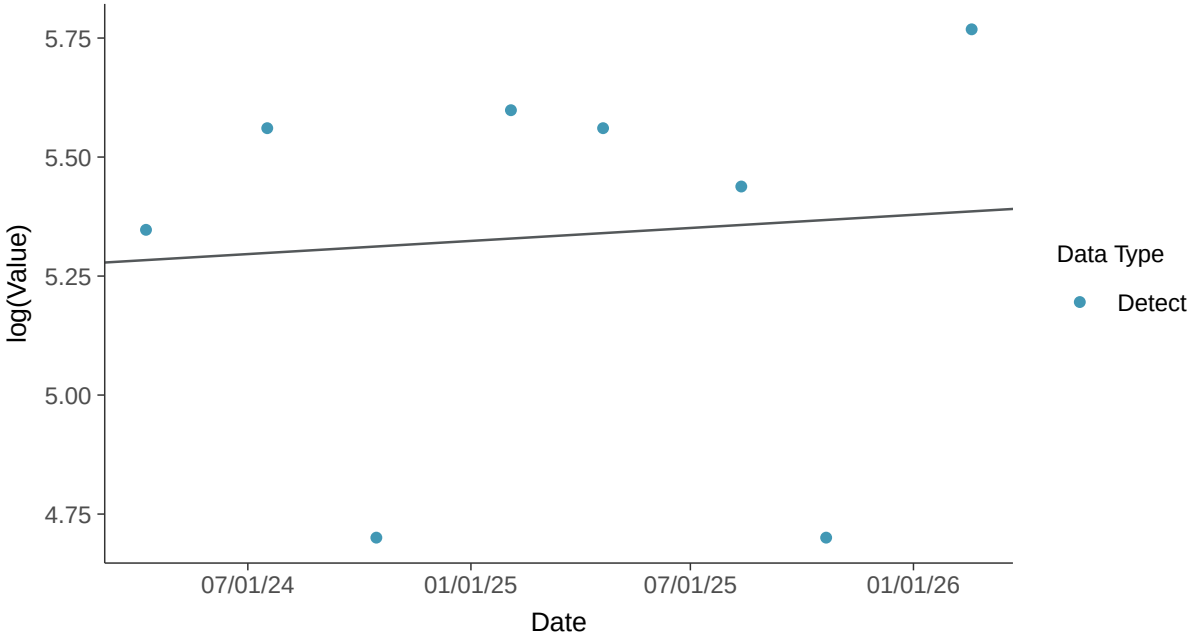
Gamma Q-Q plot

Sulfate (as SO4), MW-37 (mg/L)



Trend Regression: Lognormal MLE

Sulfate (as SO4), MW-37 (mg/L)

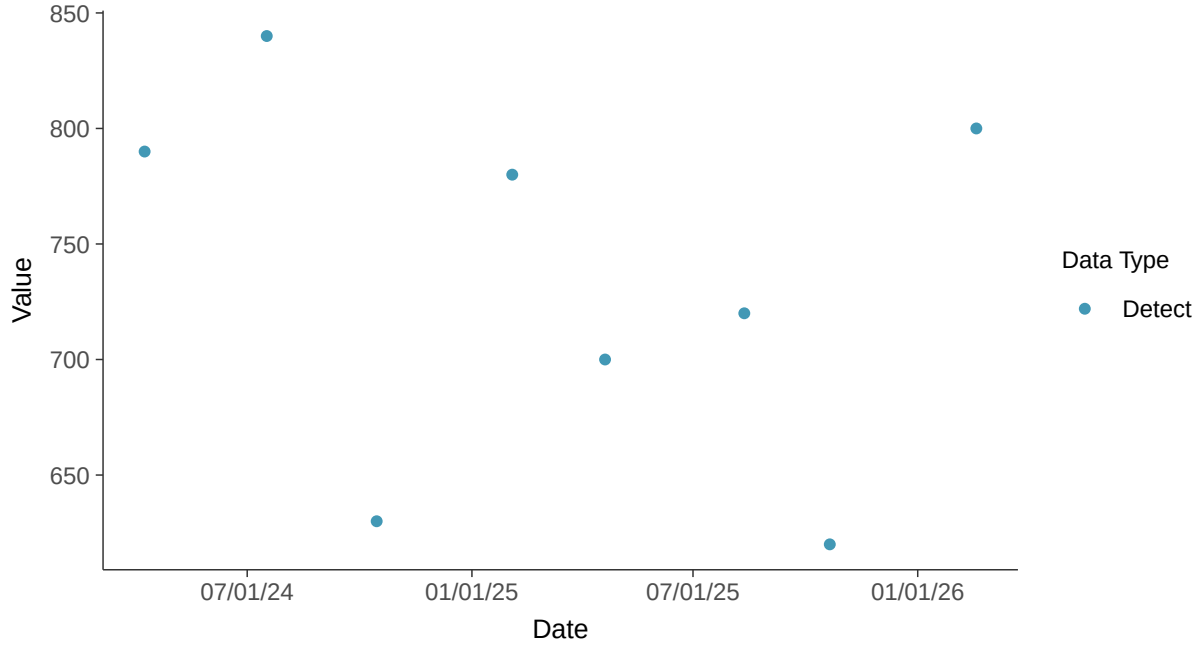


Appendix III: Total Dissolved Solids, MW-37

ID: 47_1_3_126

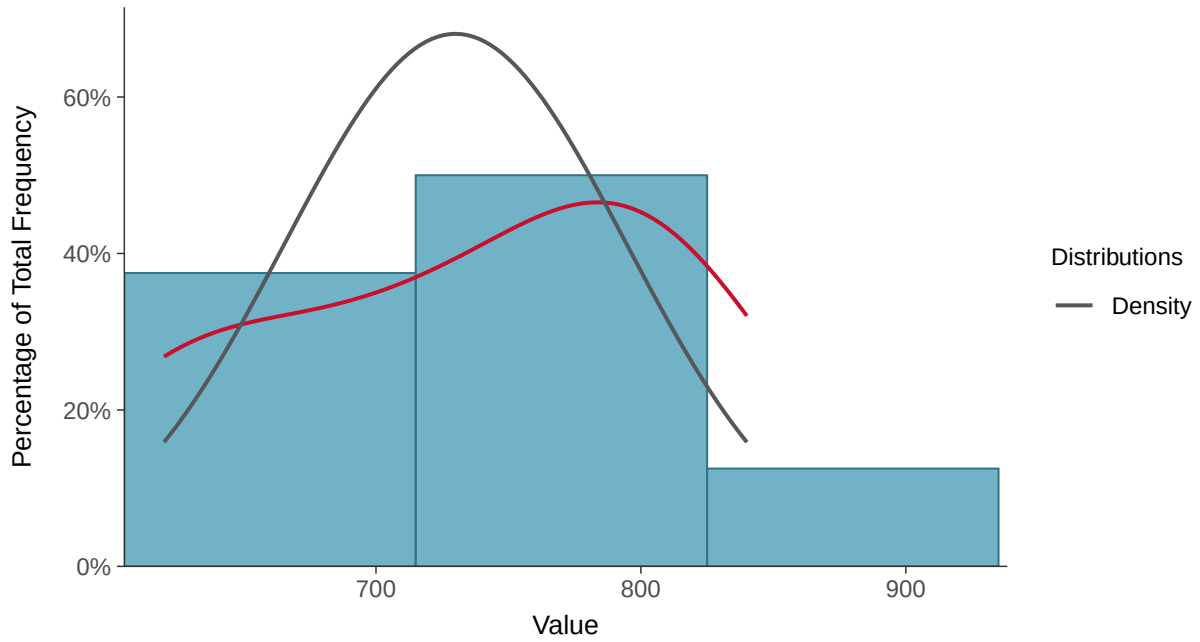
Scatter Plot

Total Dissolved Solids, MW-37 (mg/L)



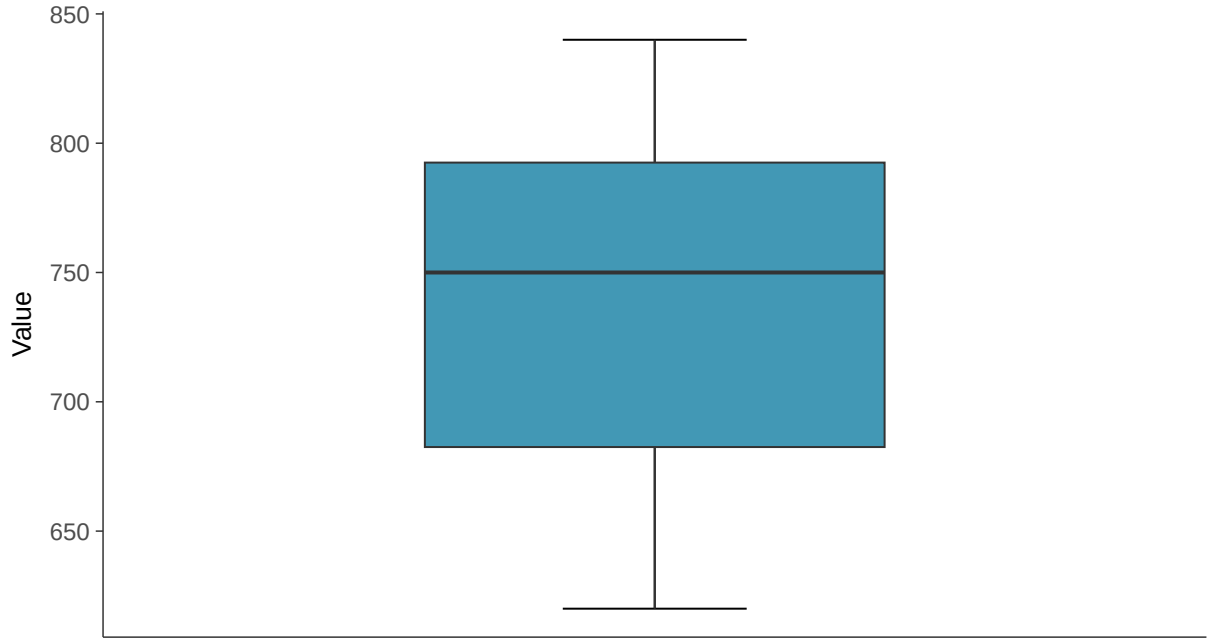
Histogram

Total Dissolved Solids, MW-37 (mg/L)



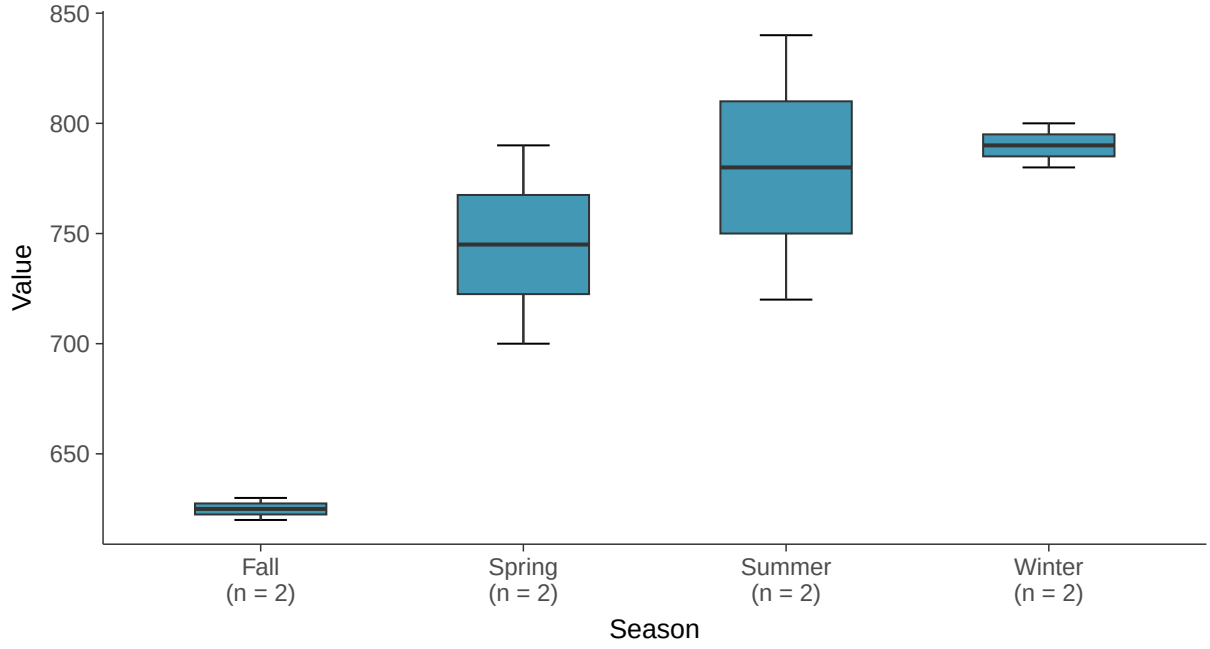
Boxplot

Total Dissolved Solids, MW-37 (mg/L)



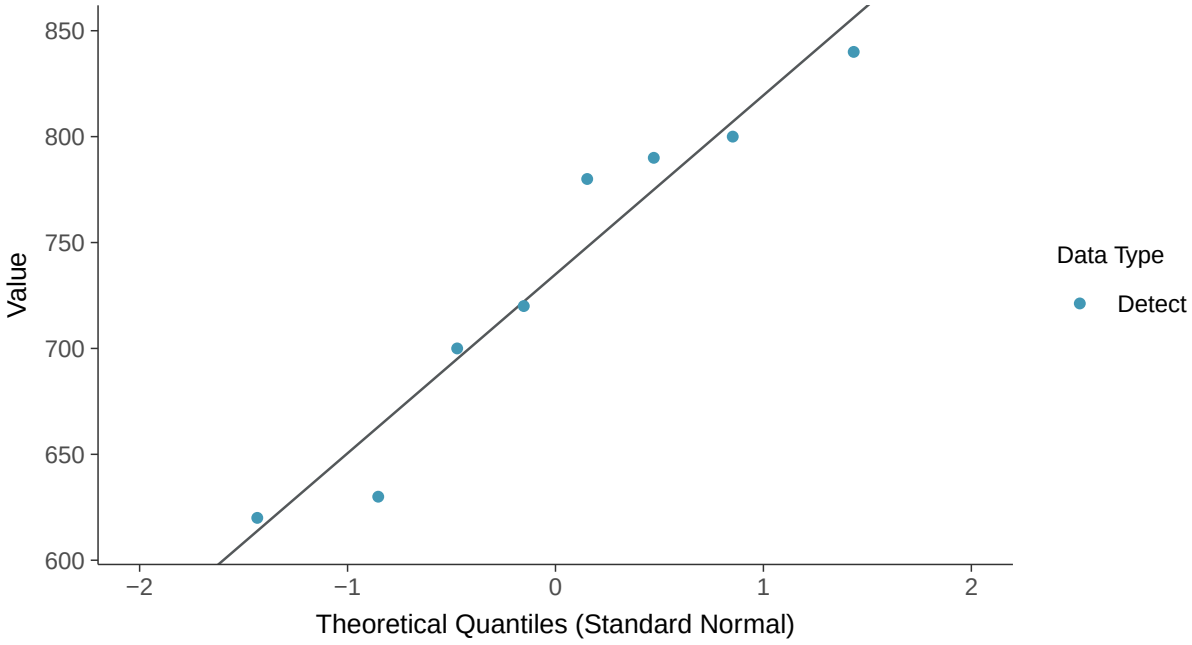
Boxplot by Season

Total Dissolved Solids, MW-37 (mg/L)



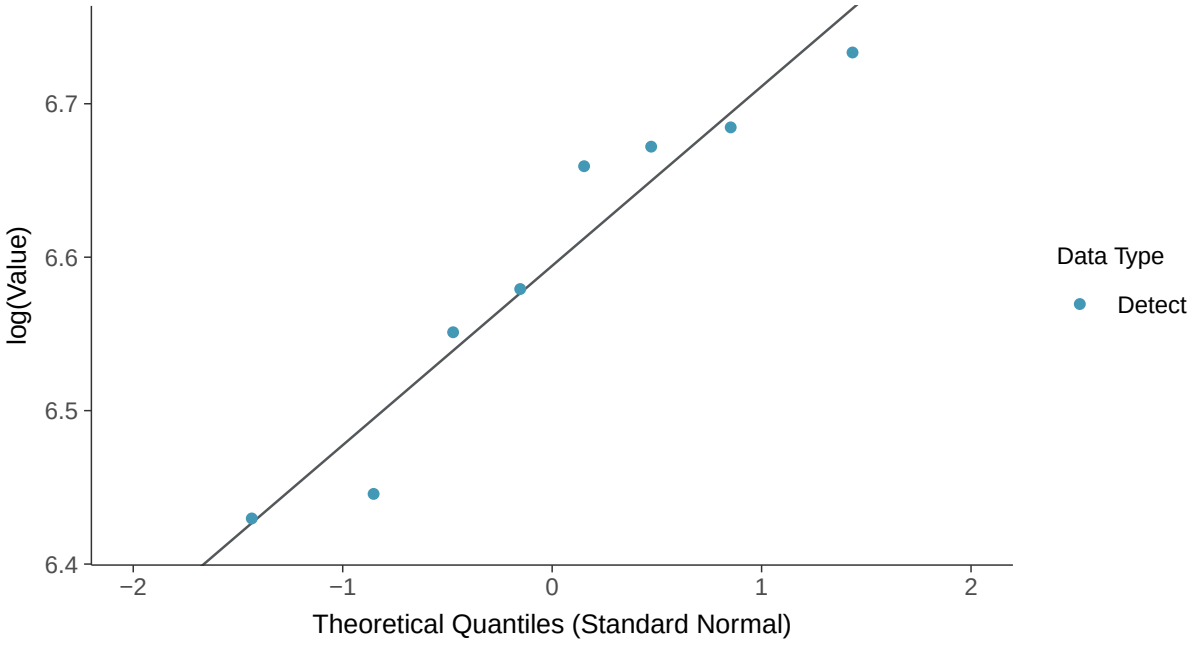
Normal Q-Q plot

Total Dissolved Solids, MW-37 (mg/L)



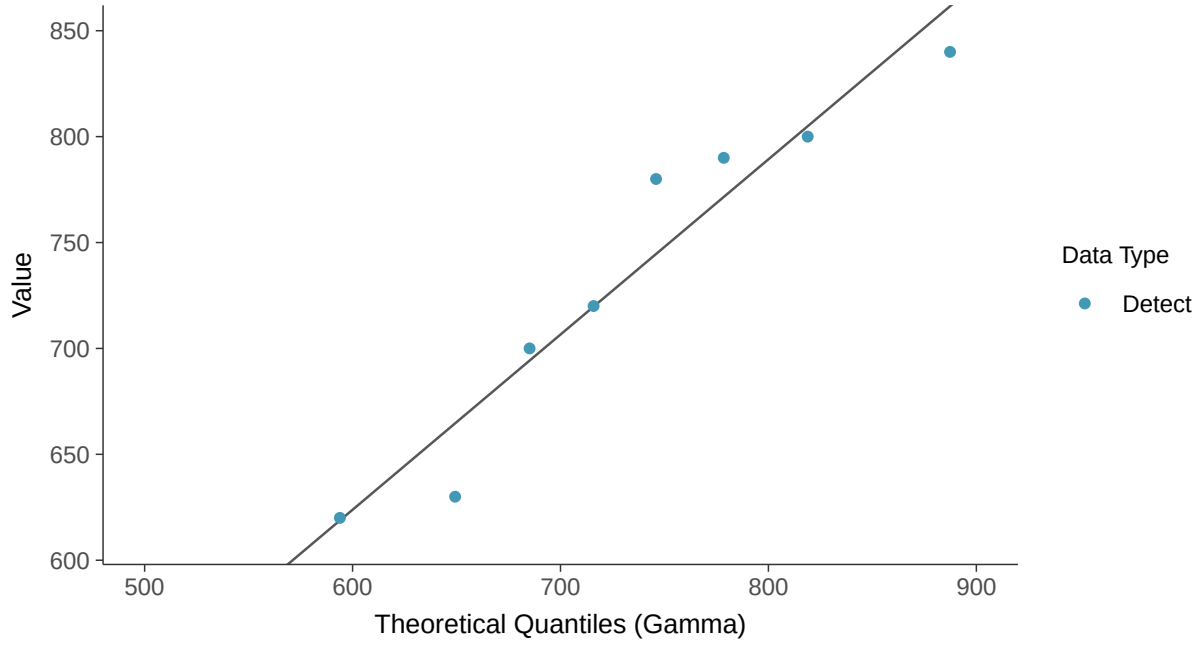
Lognormal Q-Q plot

Total Dissolved Solids, MW-37 (mg/L)



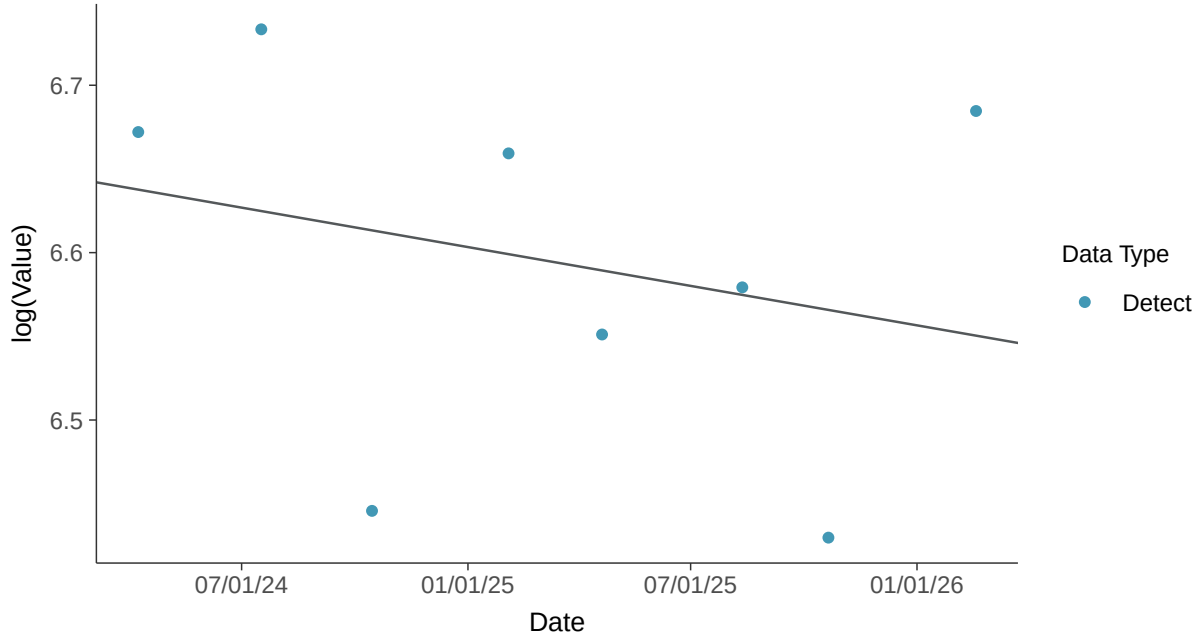
Gamma Q-Q plot

Total Dissolved Solids, MW-37 (mg/L)



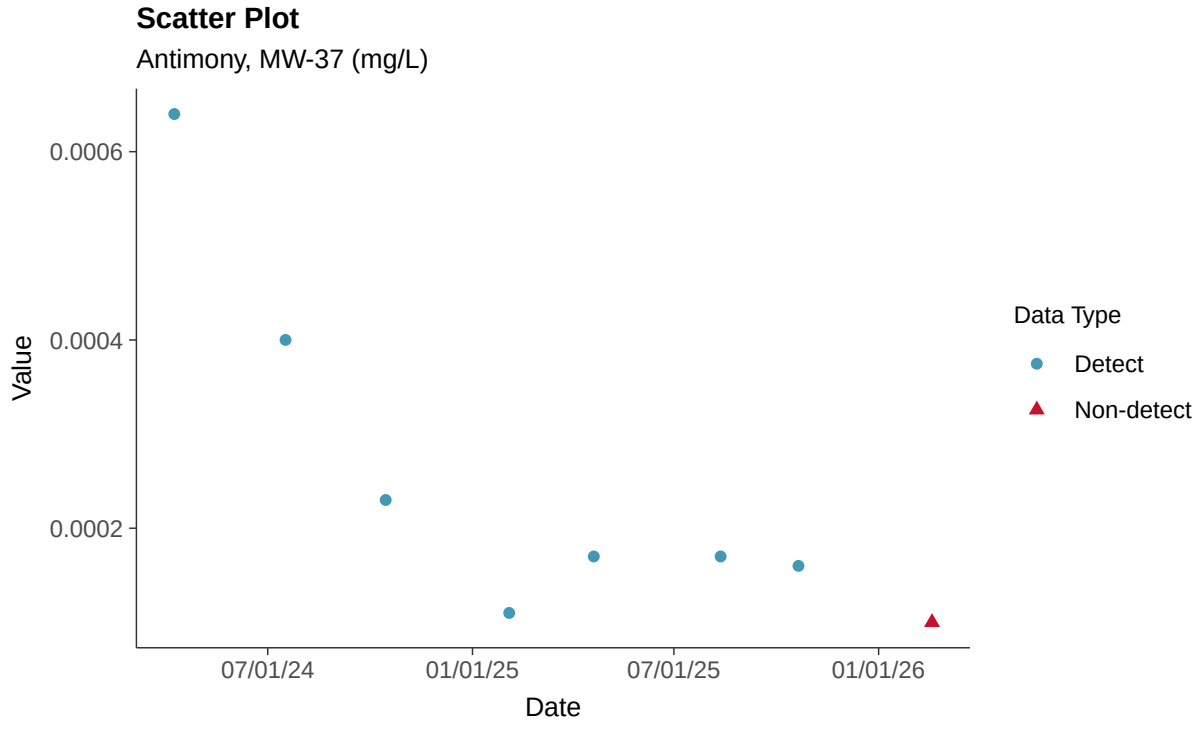
Trend Regression: Lognormal MLE

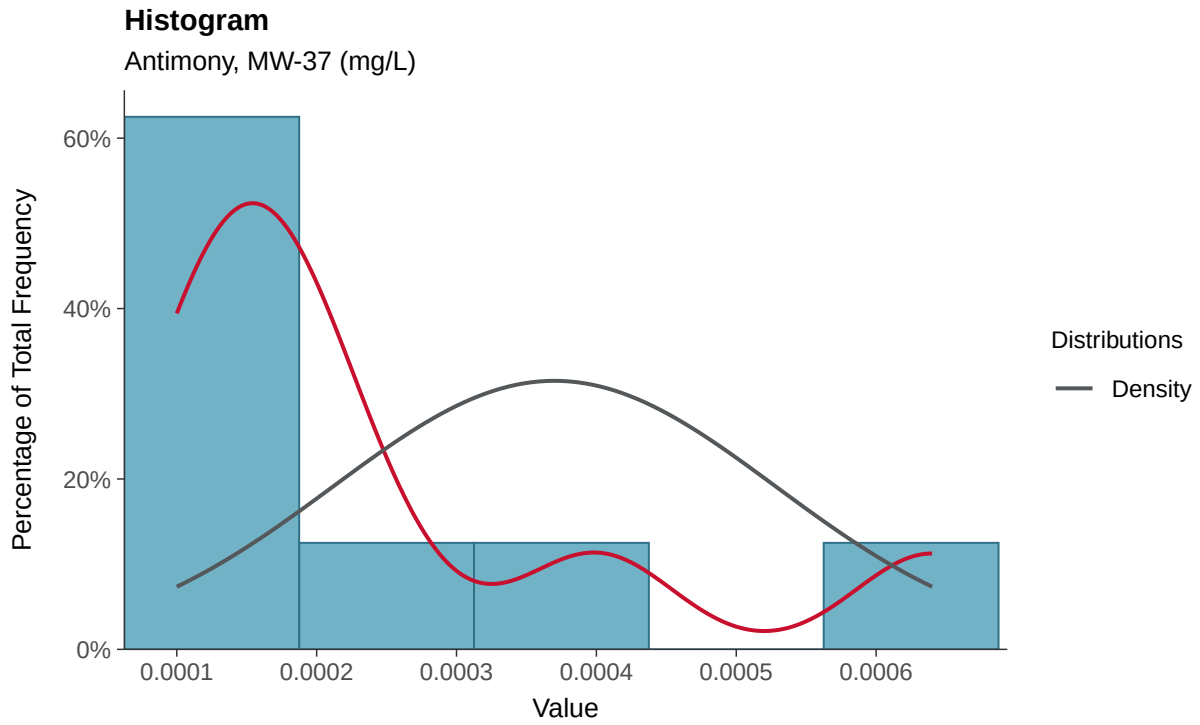
Total Dissolved Solids, MW-37 (mg/L)



Appendix IV: Antimony, MW-37

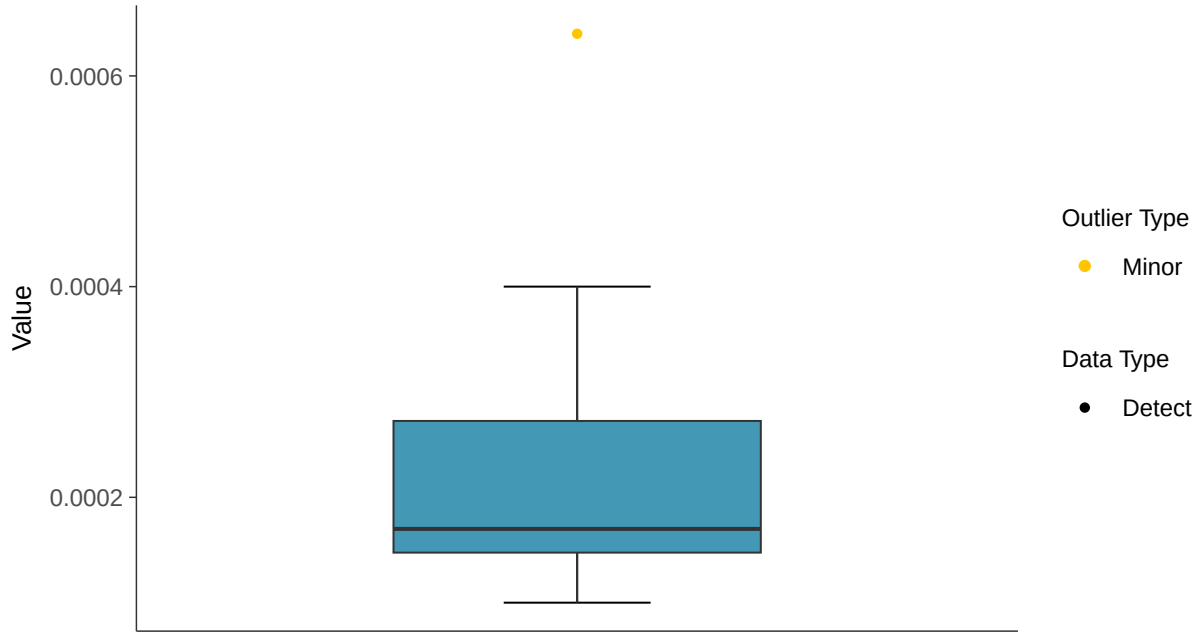
ID: 47_1_4_101





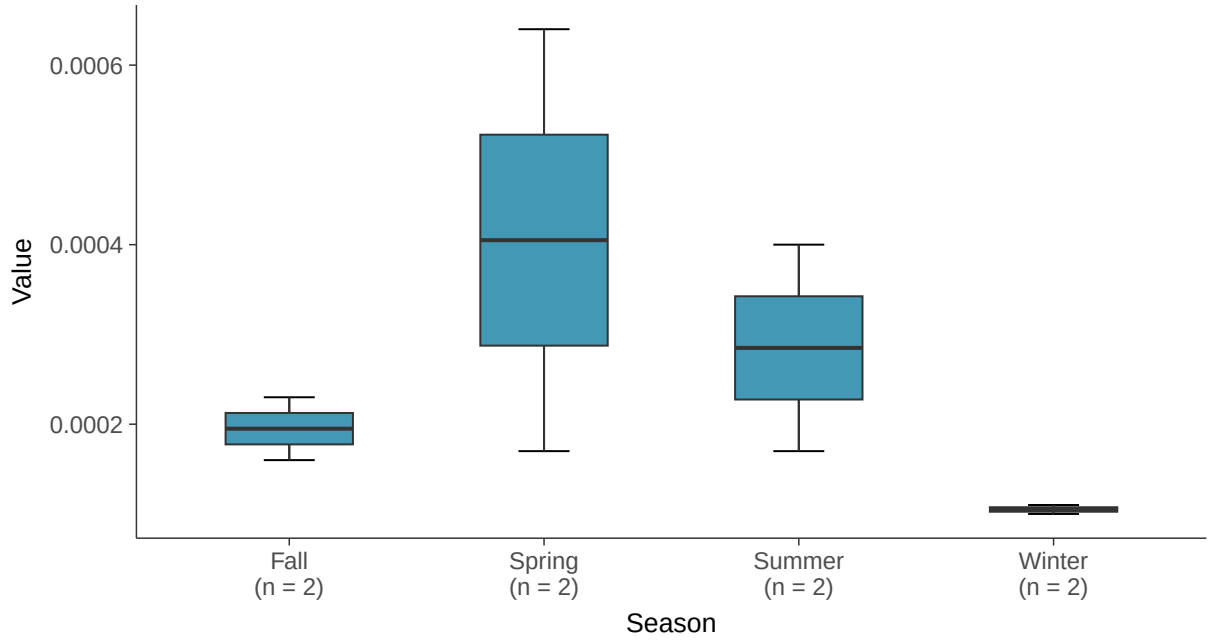
Boxplot

Antimony, MW-37 (mg/L)



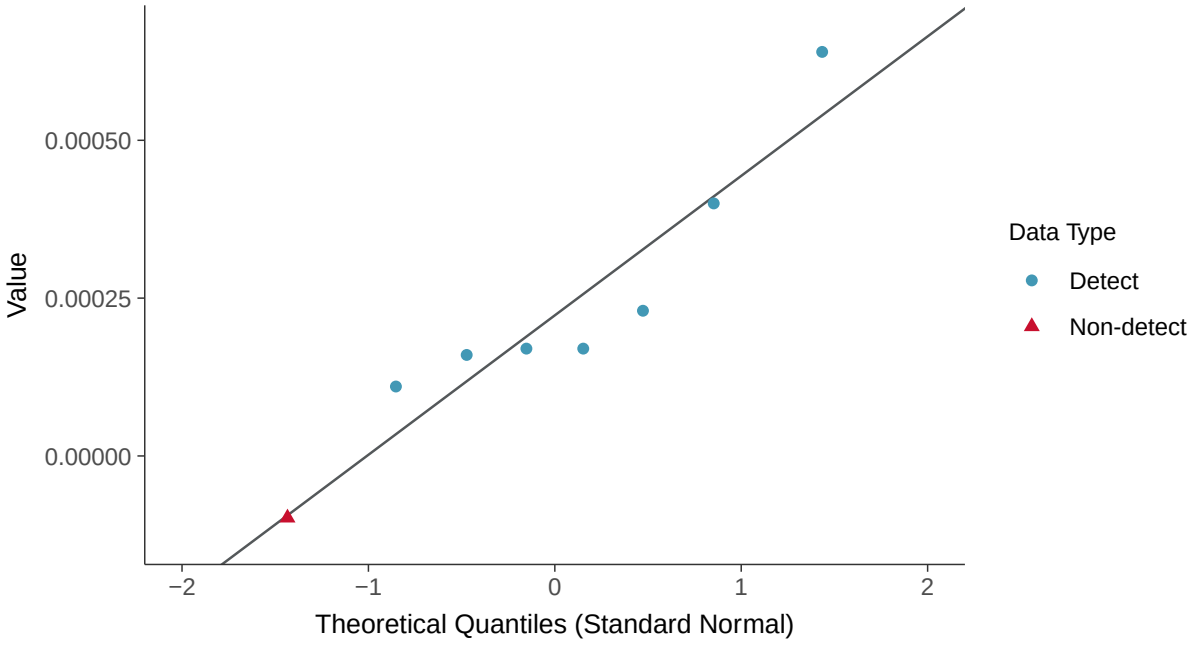
Boxplot by Season

Antimony, MW-37 (mg/L)



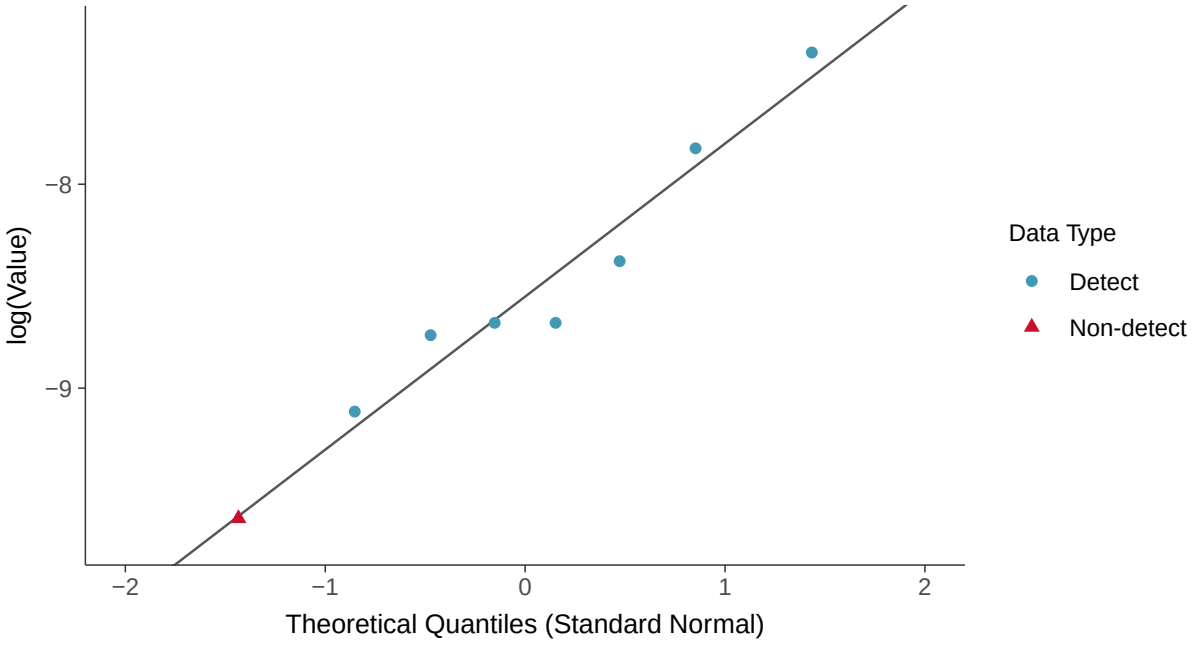
Normal Q-Q plot using ROS Imputed Estimates

Antimony, MW-37 (mg/L)



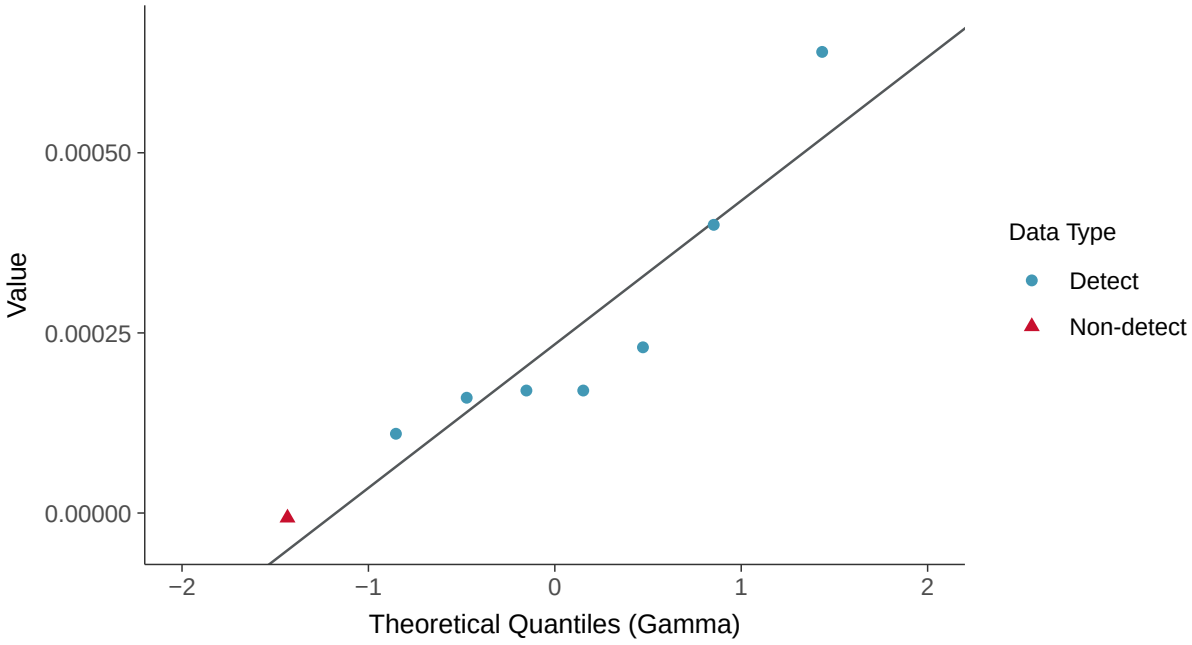
Lognormal Q-Q plot using ROS Imputed Estimates

Antimony, MW-37 (mg/L)



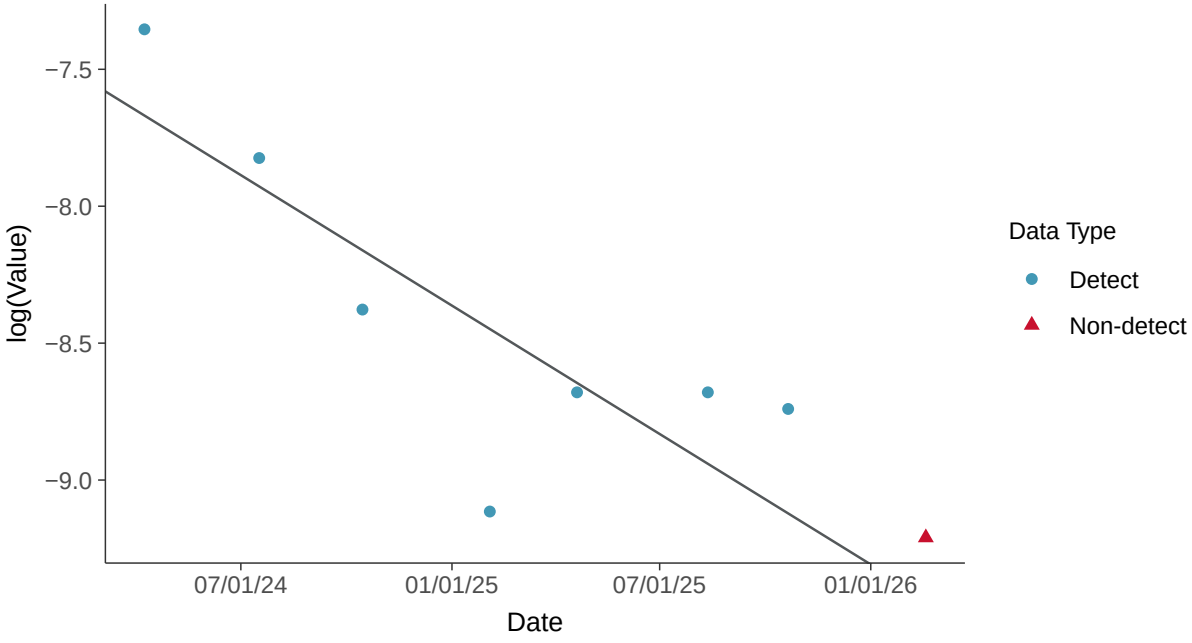
Gamma Q-Q plot using ROS Imputed Estimates

Antimony, MW-37 (mg/L)



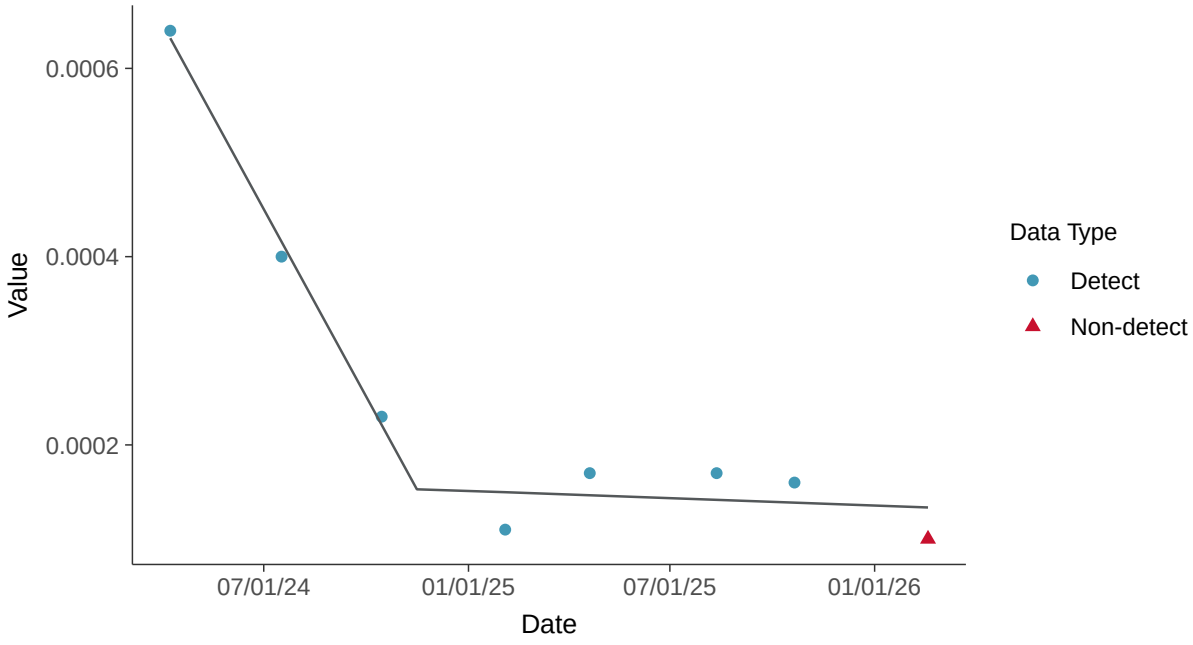
Trend Regression: Lognormal MLE

Antimony, MW-37 (mg/L)



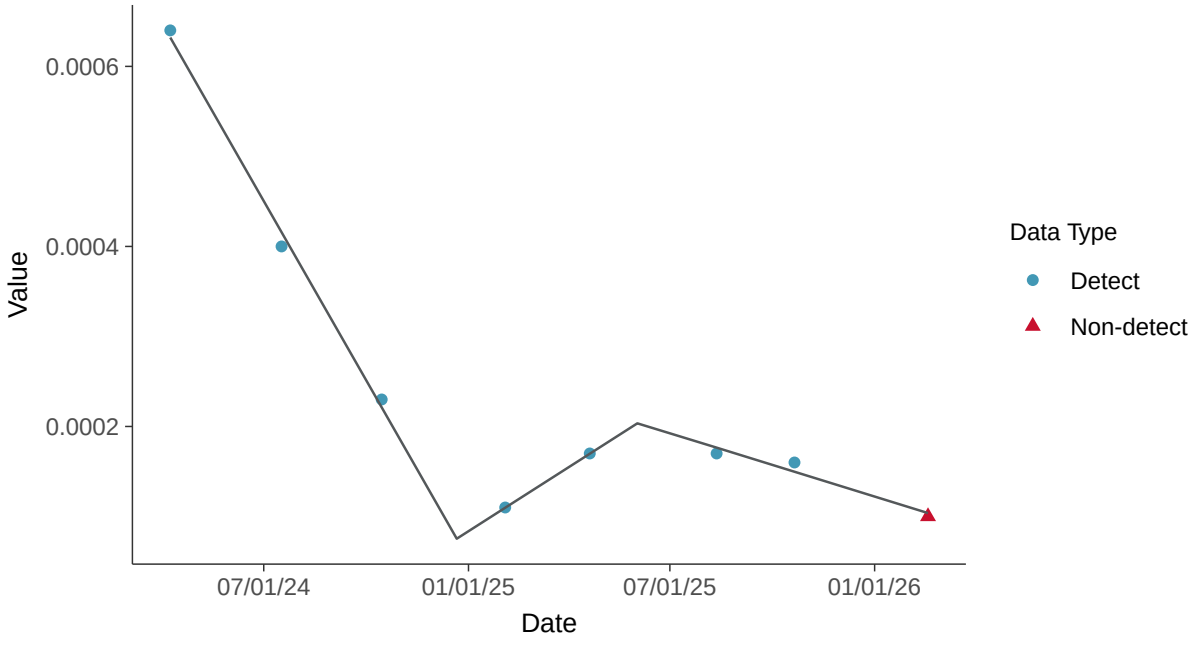
Trend Regression: Piecewise Linear-Linear

Antimony, MW-37 (mg/L)



Trend Regression: Piecewise Linear-Linear-Linear

Antimony, MW-37 (mg/L)

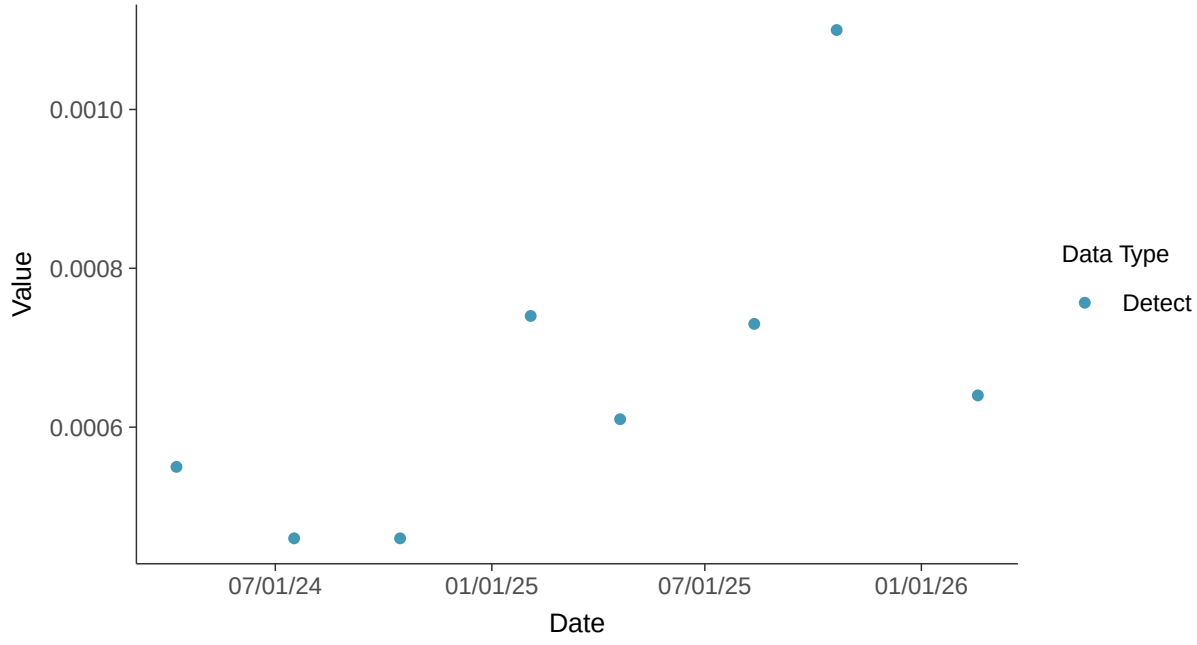


Appendix IV: Arsenic, MW-37

ID: 47_1_4_102

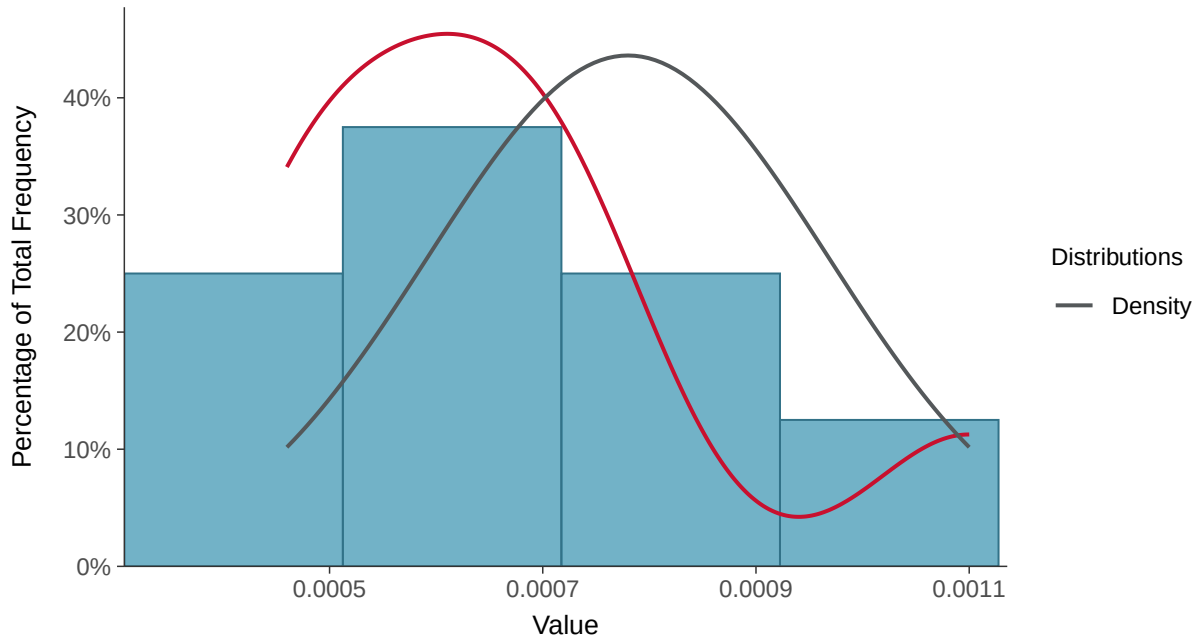
Scatter Plot

Arsenic, MW-37 (mg/L)



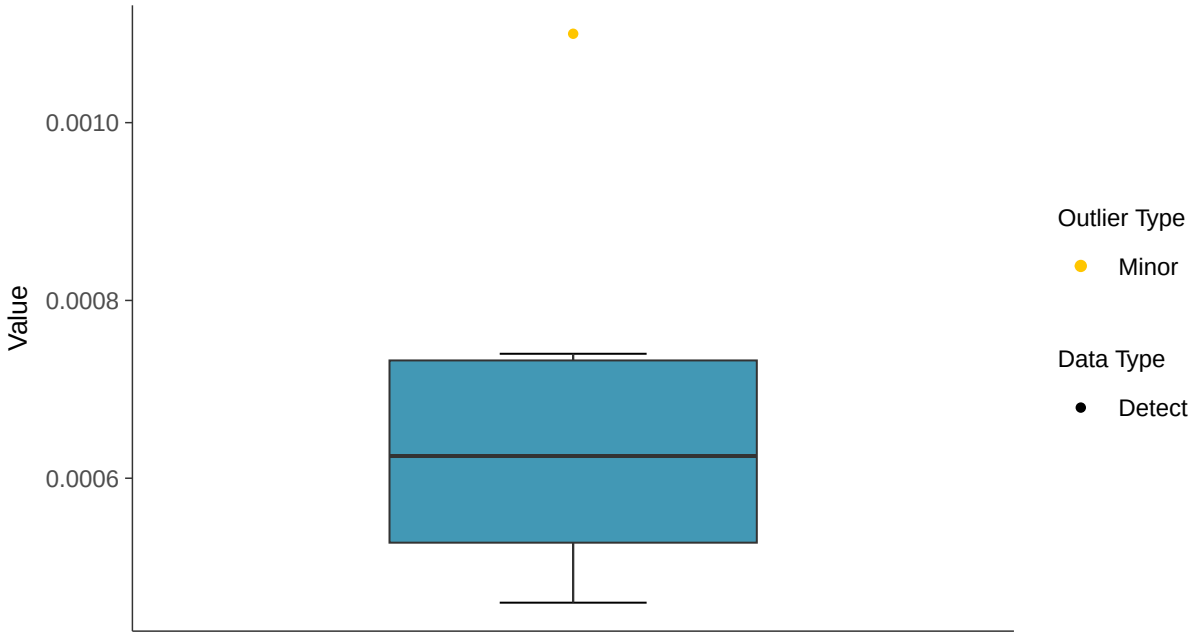
Histogram

Arsenic, MW-37 (mg/L)



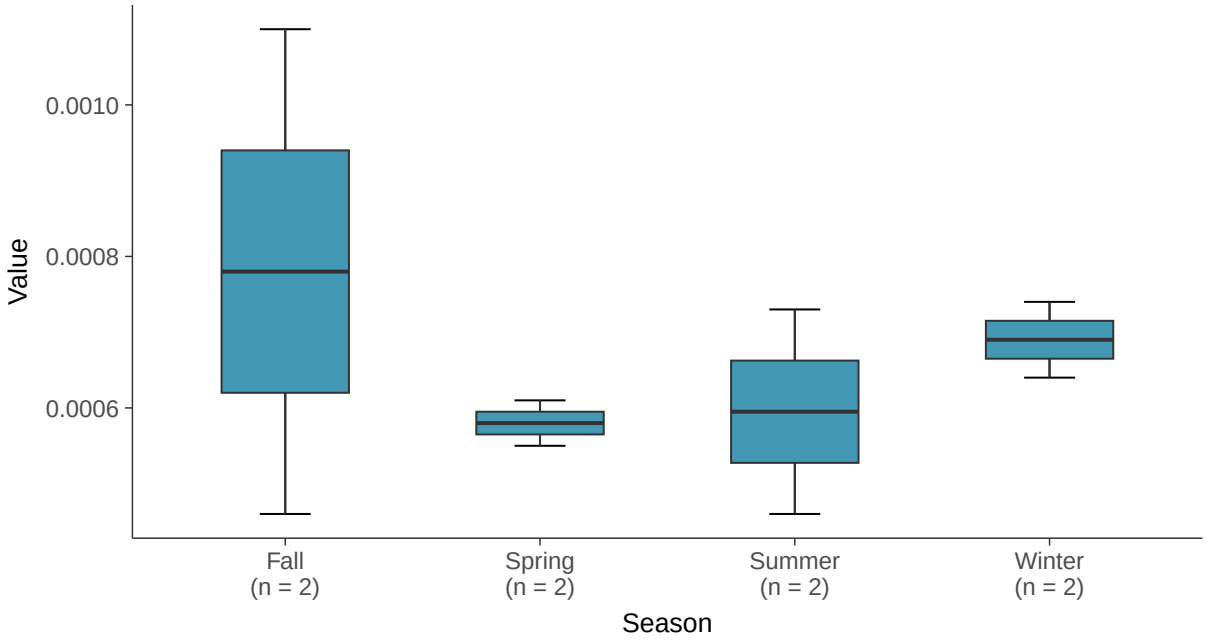
Boxplot

Arsenic, MW-37 (mg/L)



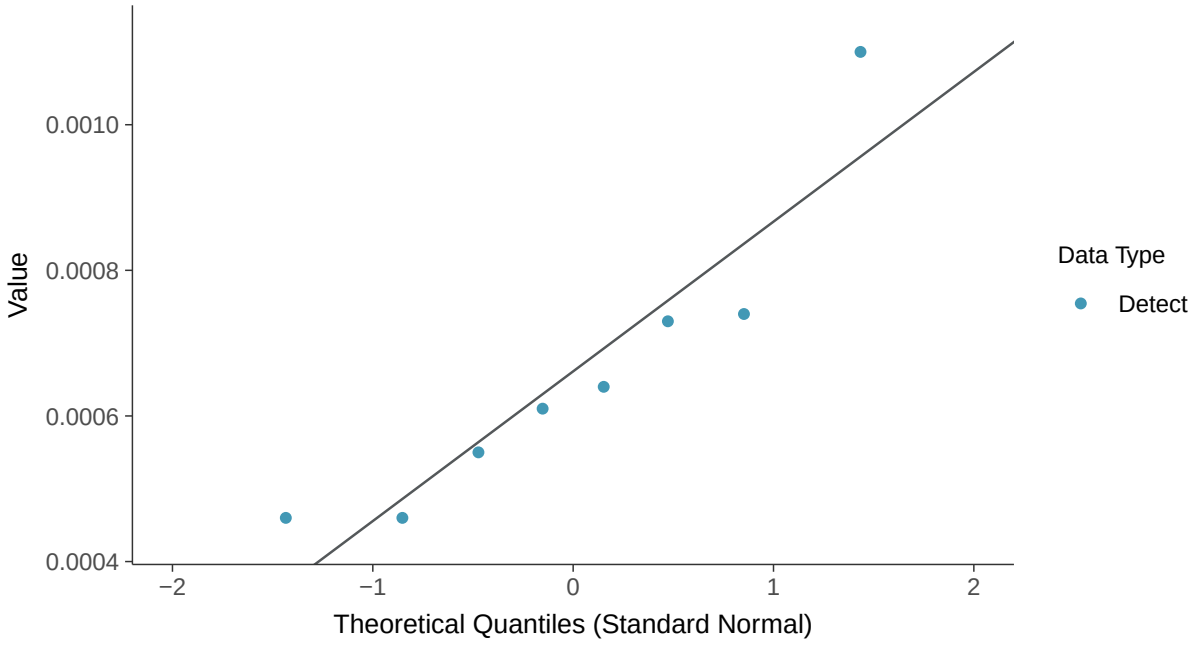
Boxplot by Season

Arsenic, MW-37 (mg/L)



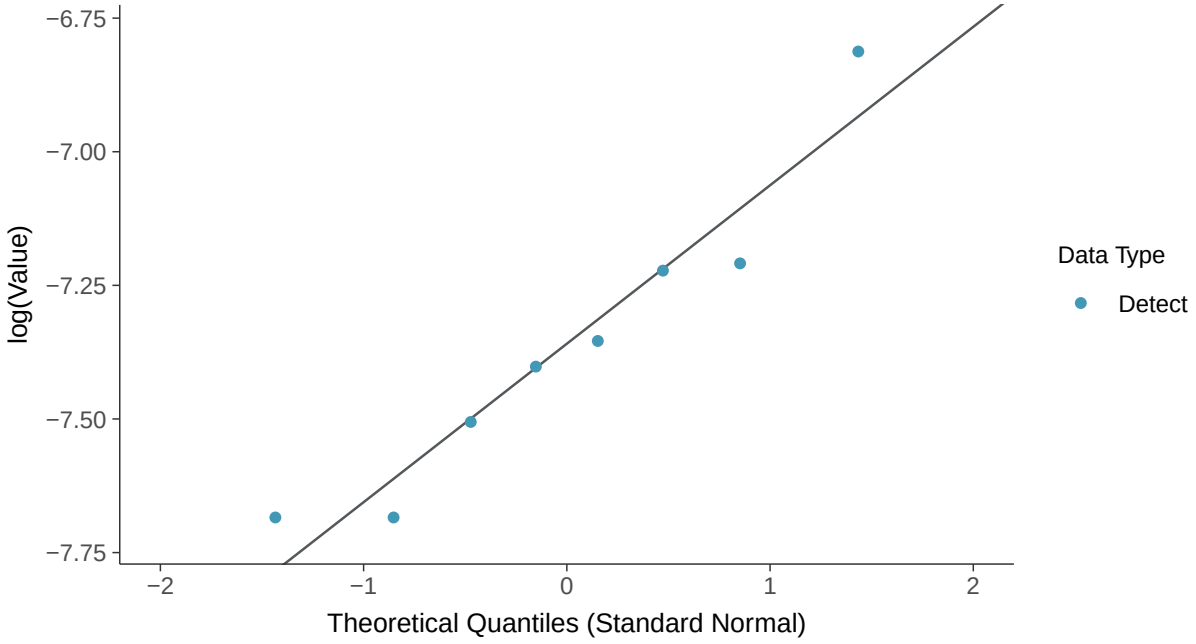
Normal Q-Q plot

Arsenic, MW-37 (mg/L)



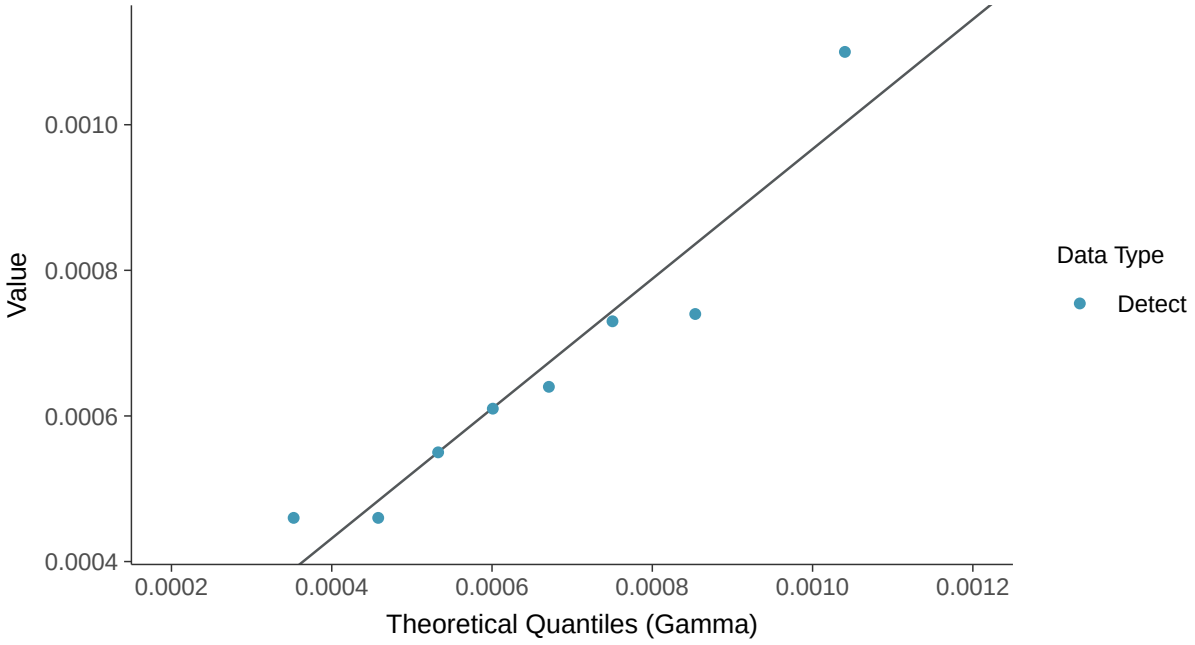
Lognormal Q-Q plot

Arsenic, MW-37 (mg/L)



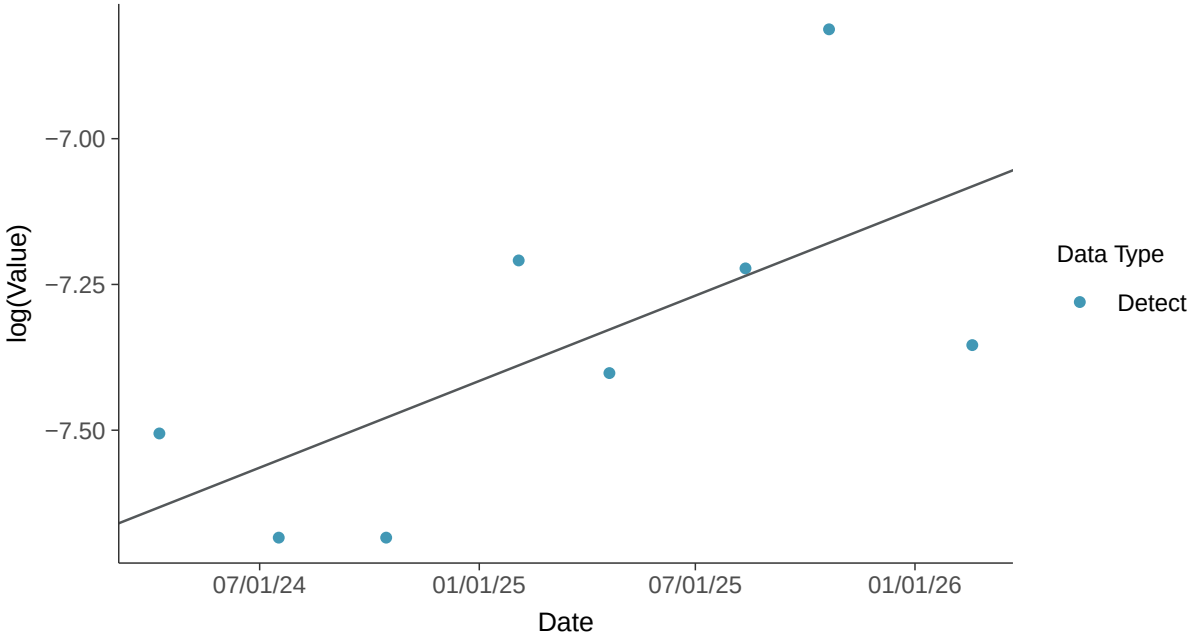
Gamma Q-Q plot

Arsenic, MW-37 (mg/L)



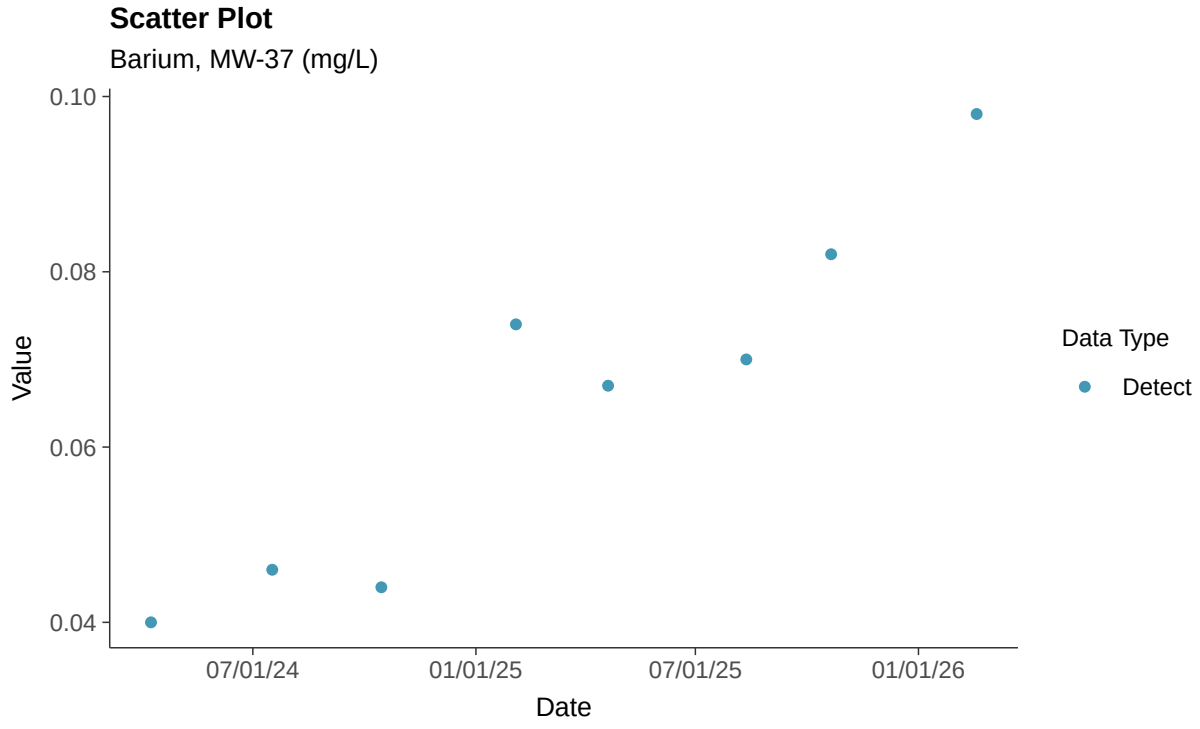
Trend Regression: Lognormal MLE

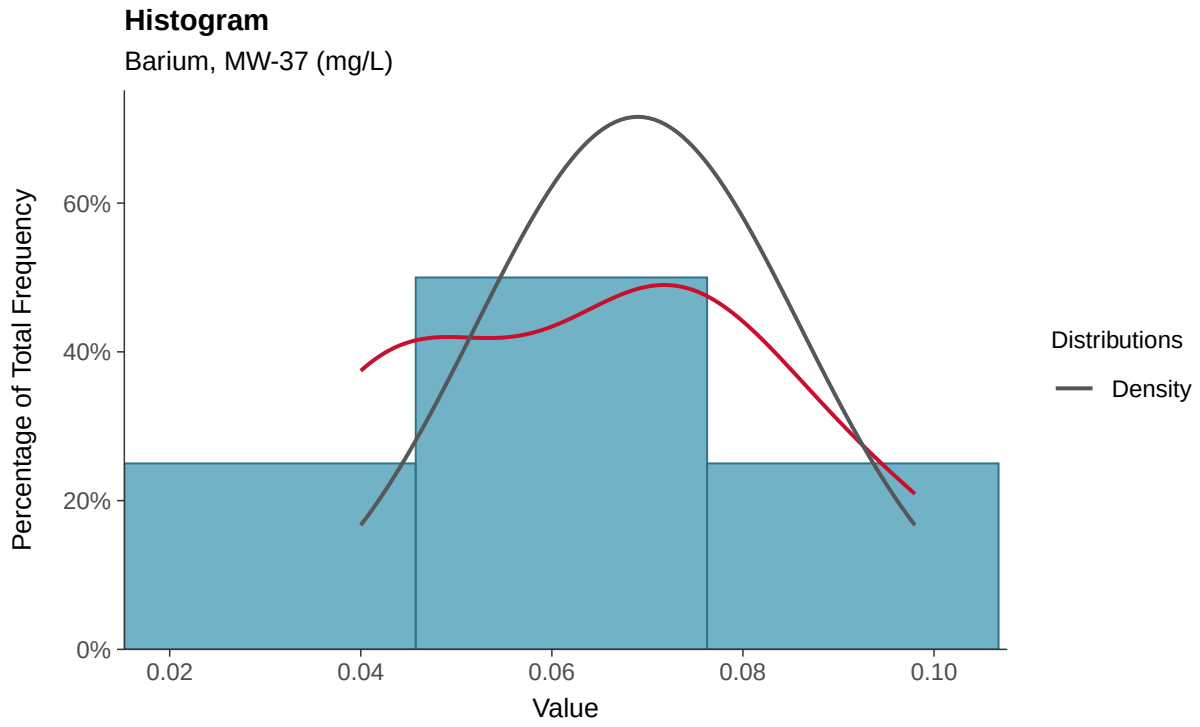
Arsenic, MW-37 (mg/L)



Appendix IV: Barium, MW-37

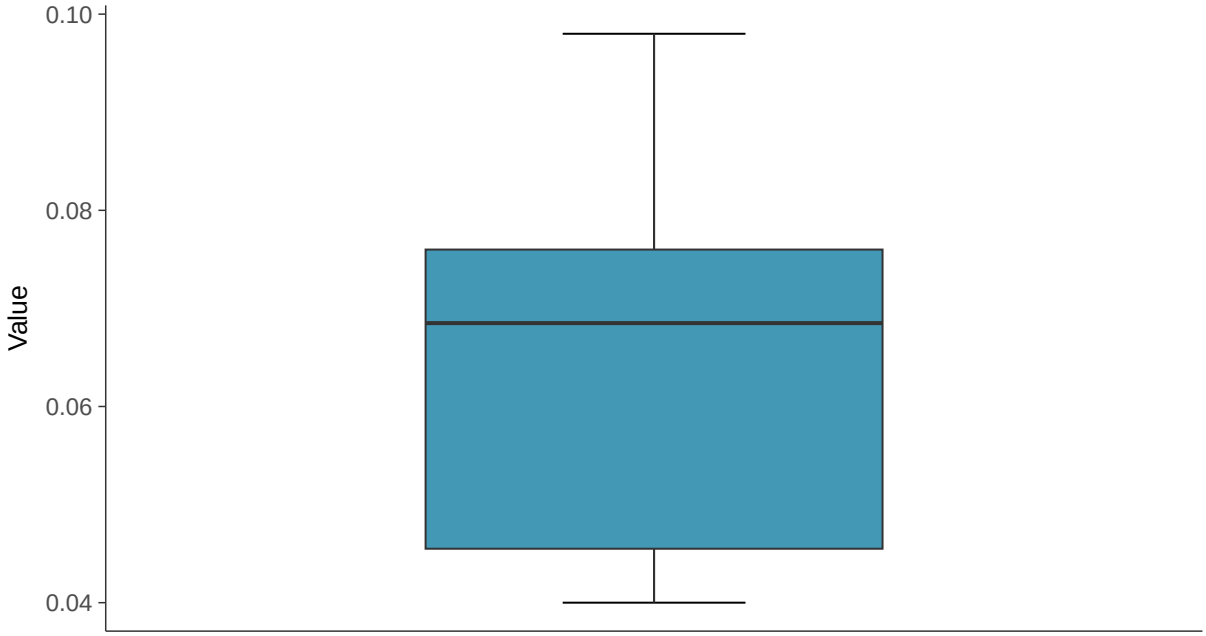
ID: 47_1_4_103





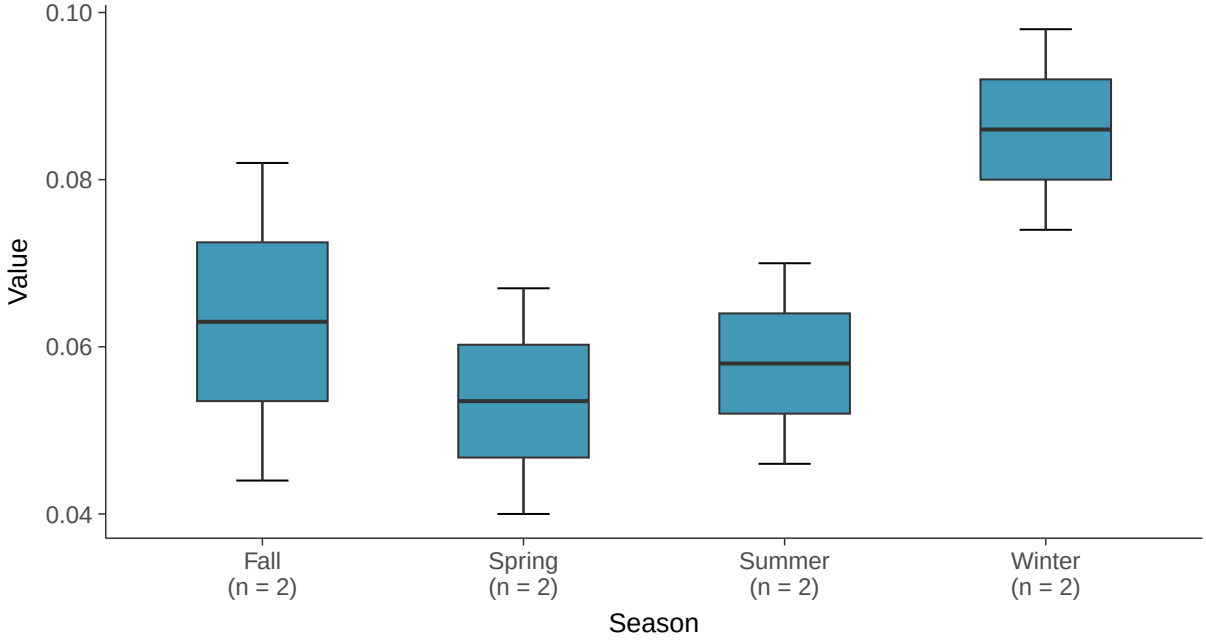
Boxplot

Barium, MW-37 (mg/L)



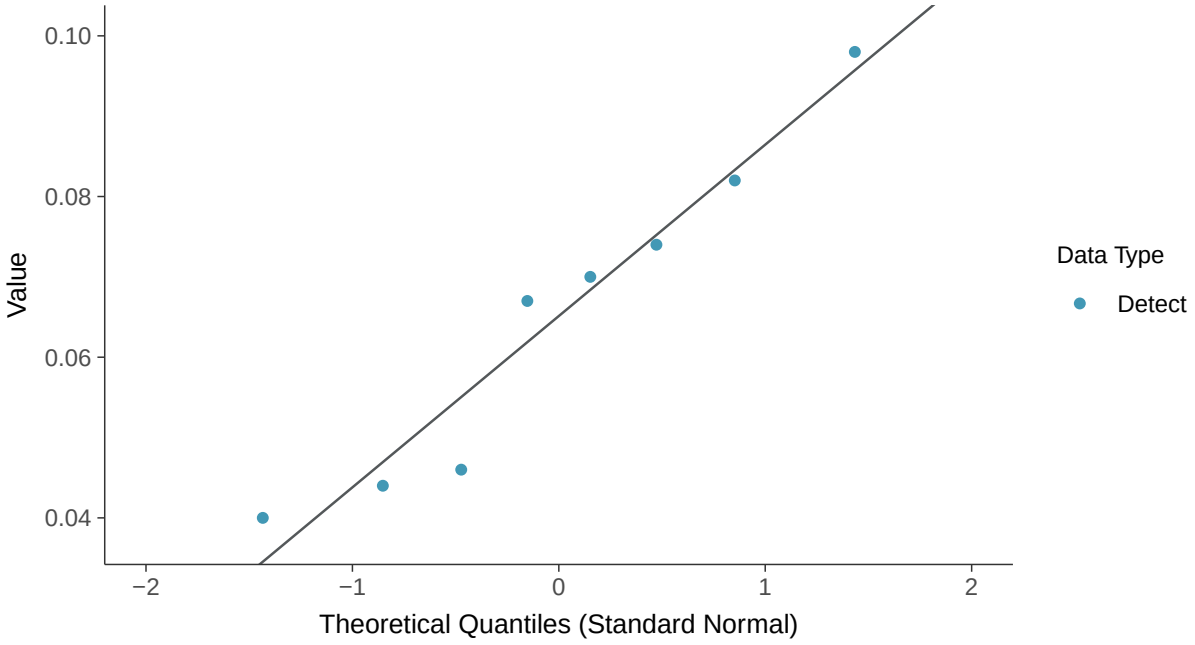
Boxplot by Season

Barium, MW-37 (mg/L)



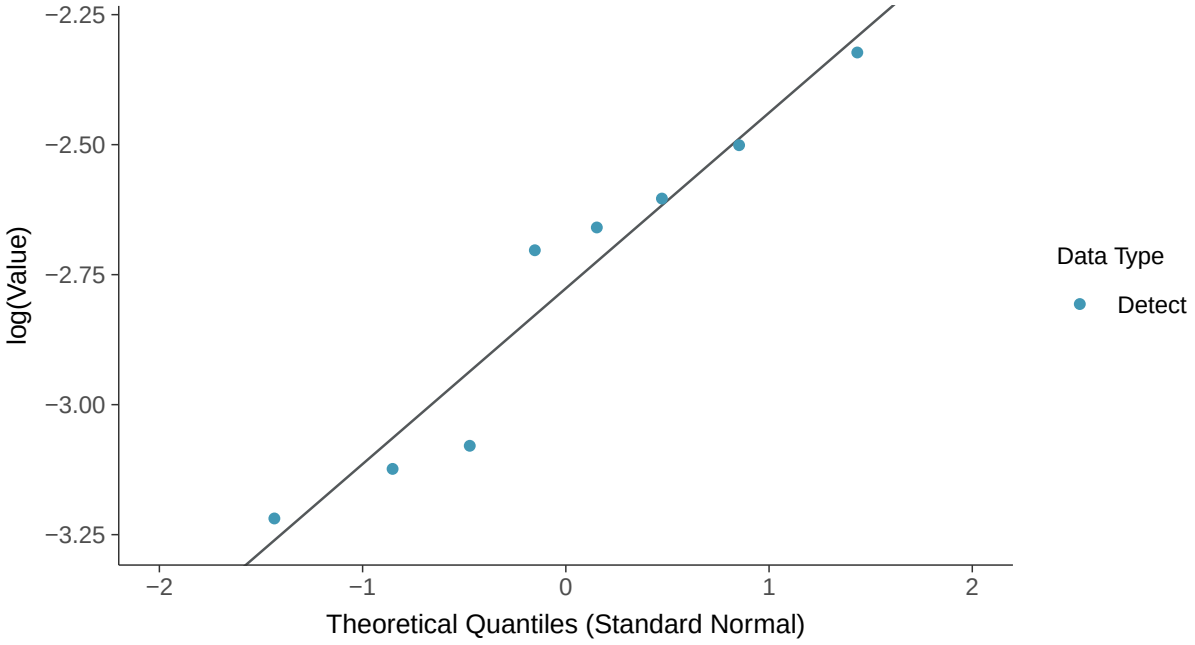
Normal Q-Q plot

Barium, MW-37 (mg/L)



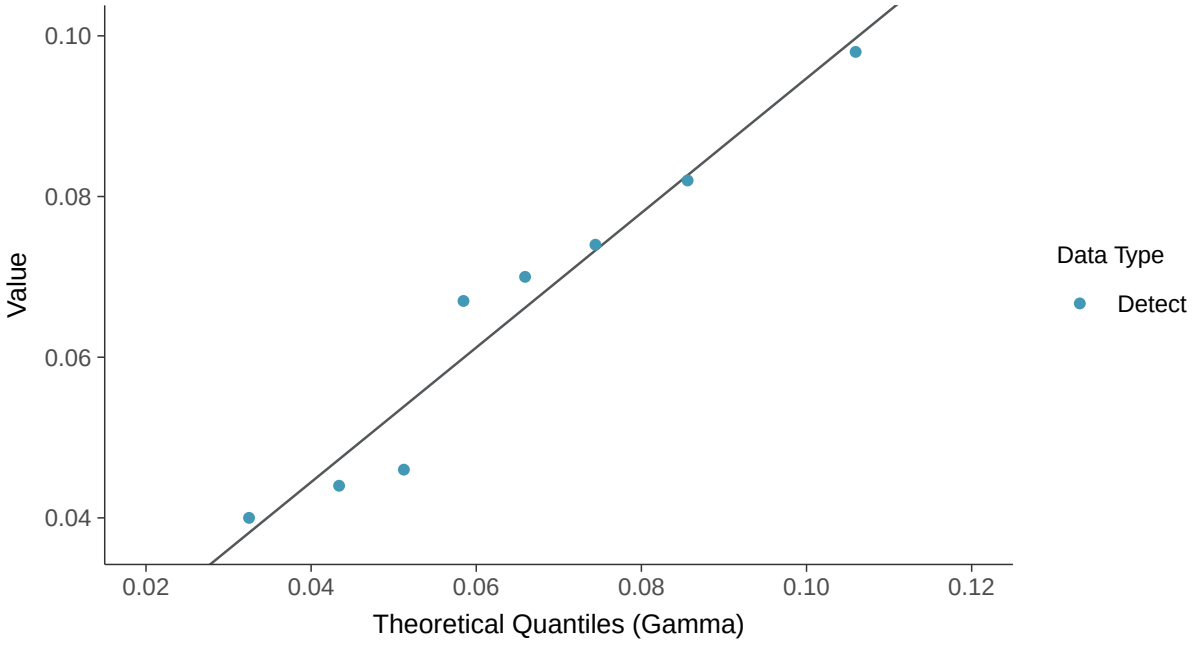
Lognormal Q-Q plot

Barium, MW-37 (mg/L)



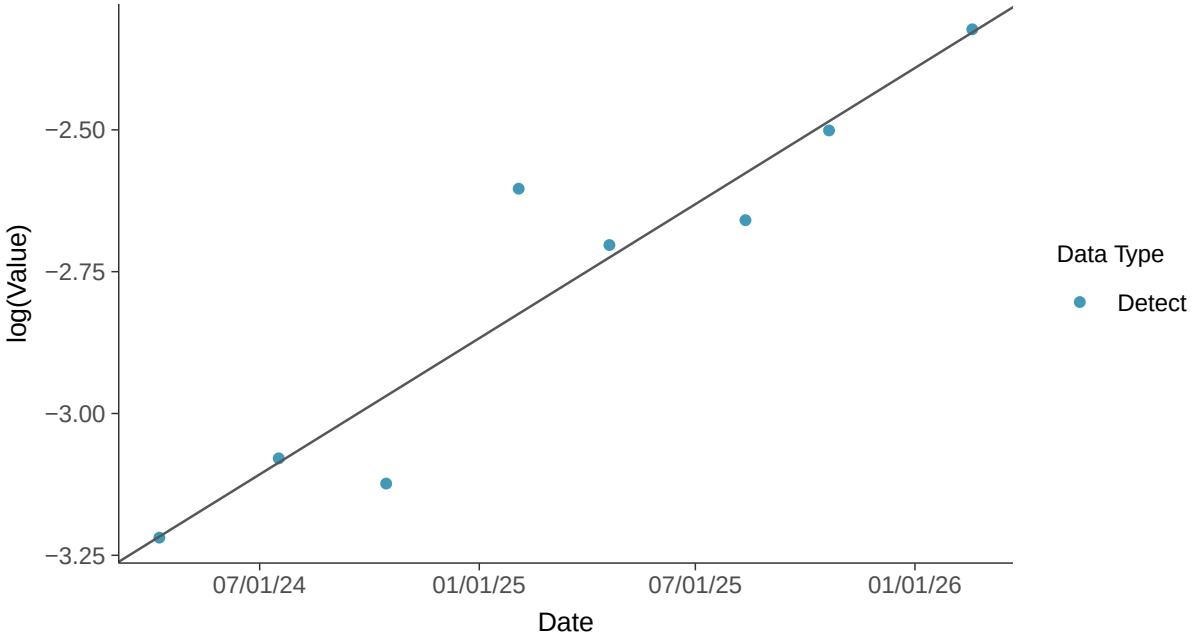
Gamma Q-Q plot

Barium, MW-37 (mg/L)



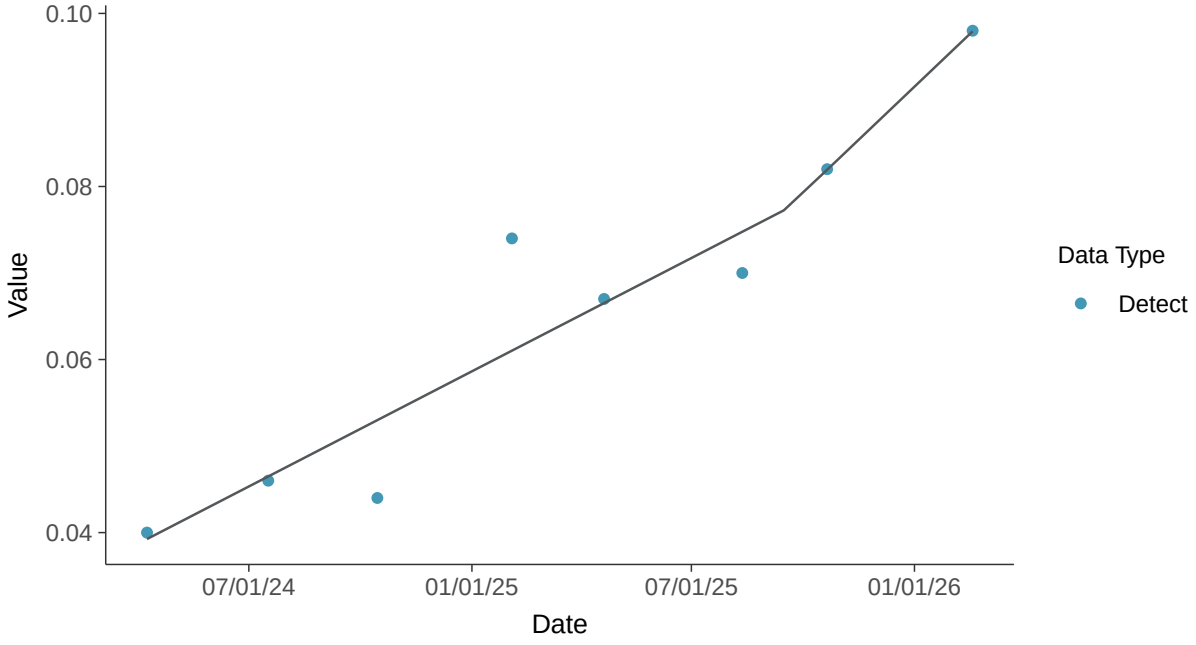
Trend Regression: Lognormal MLE

Barium, MW-37 (mg/L)



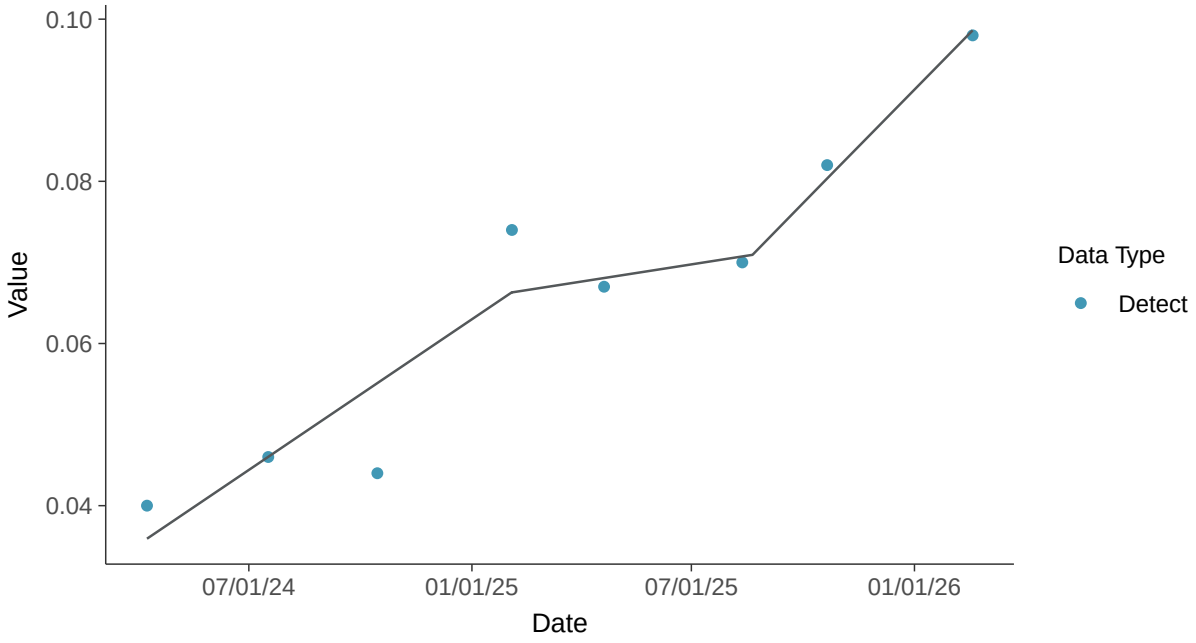
Trend Regression: Piecewise Linear-Linear

Barium, MW-37 (mg/L)



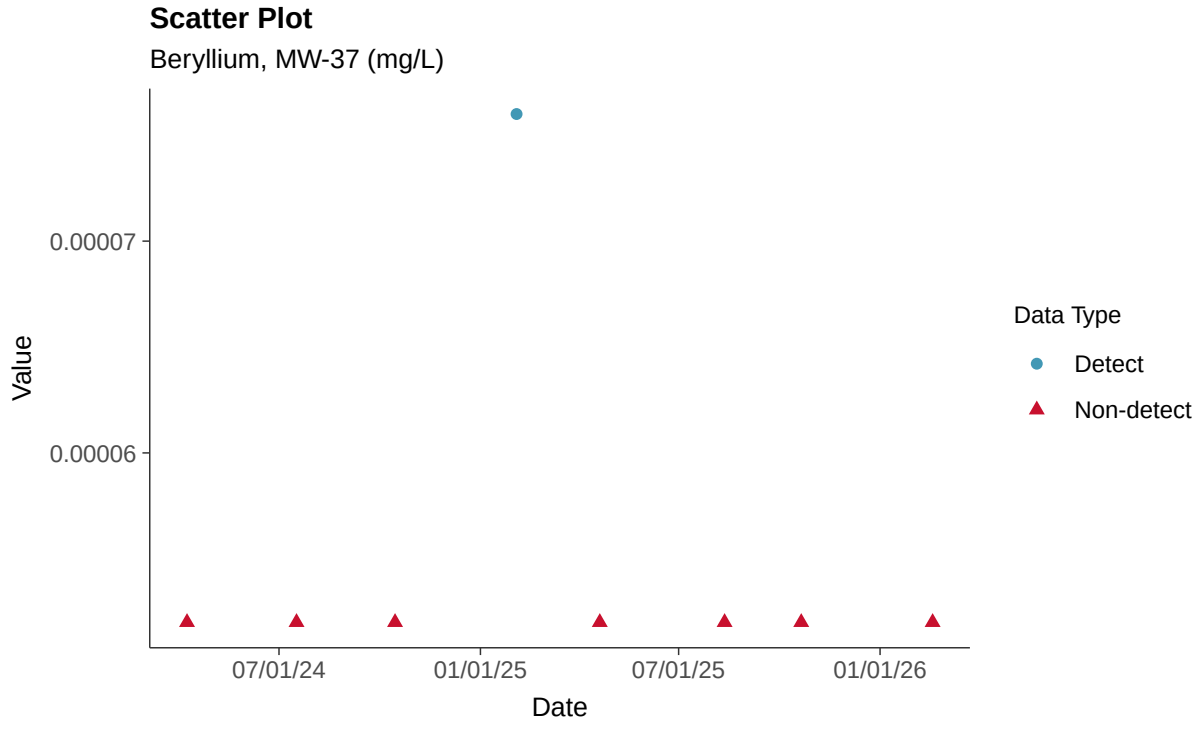
Trend Regression: Piecewise Linear-Linear-Linear

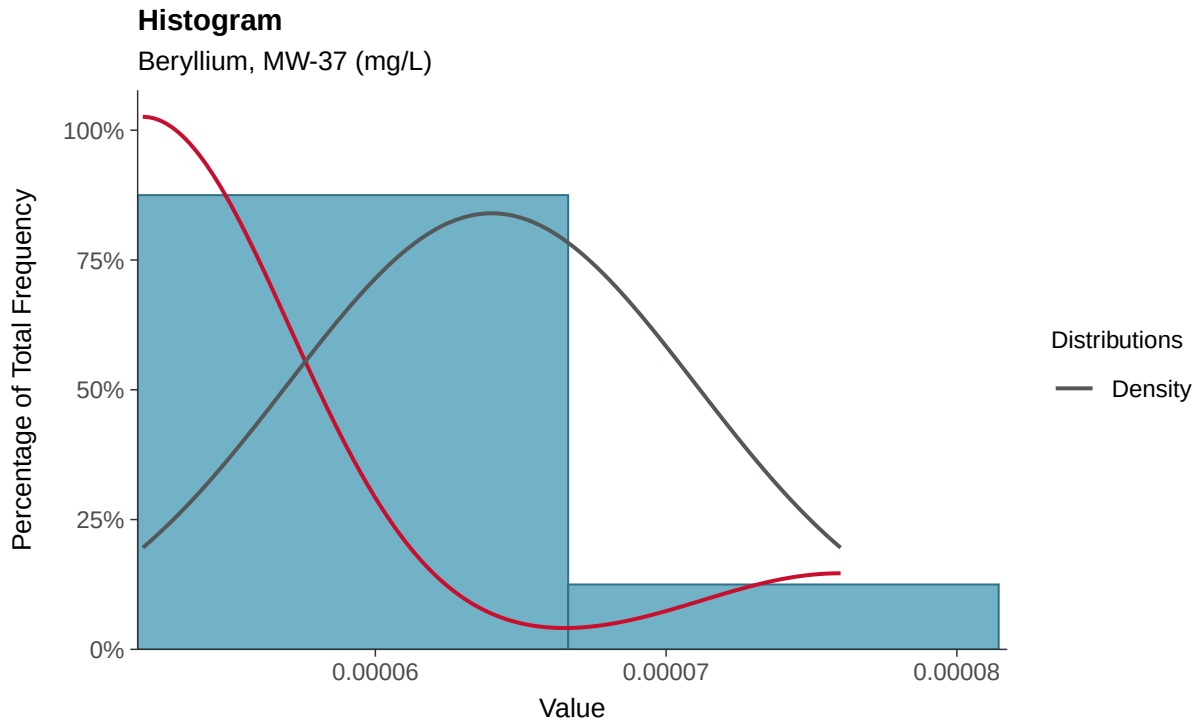
Barium, MW-37 (mg/L)



Appendix IV: Beryllium, MW-37

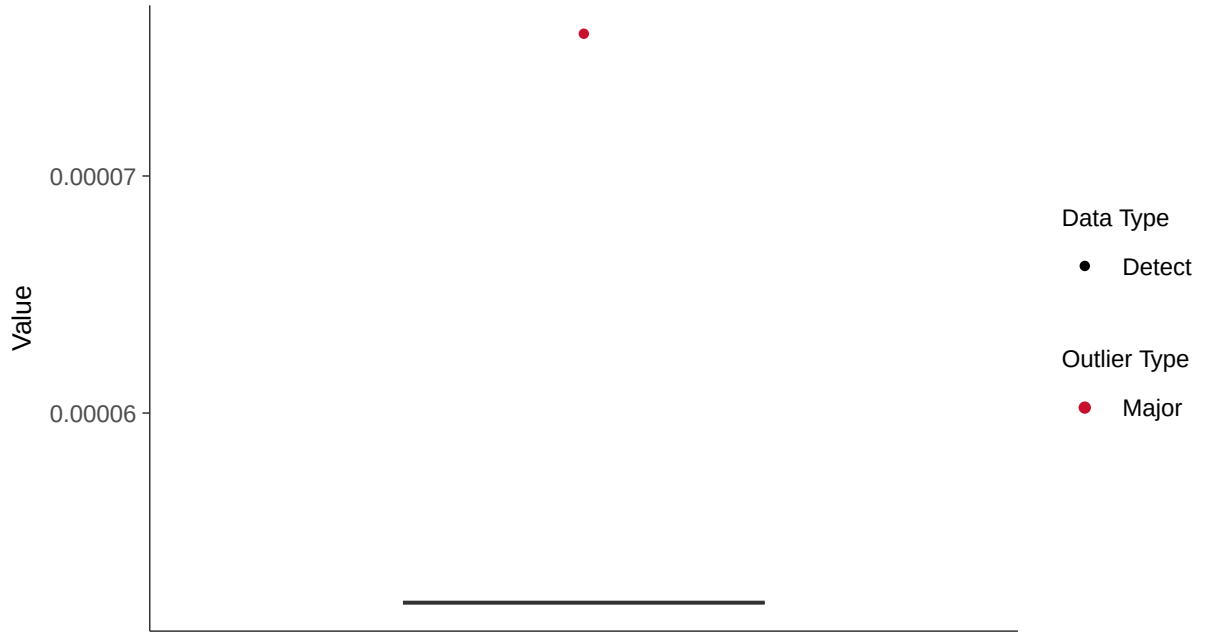
ID: 47_1_4_104





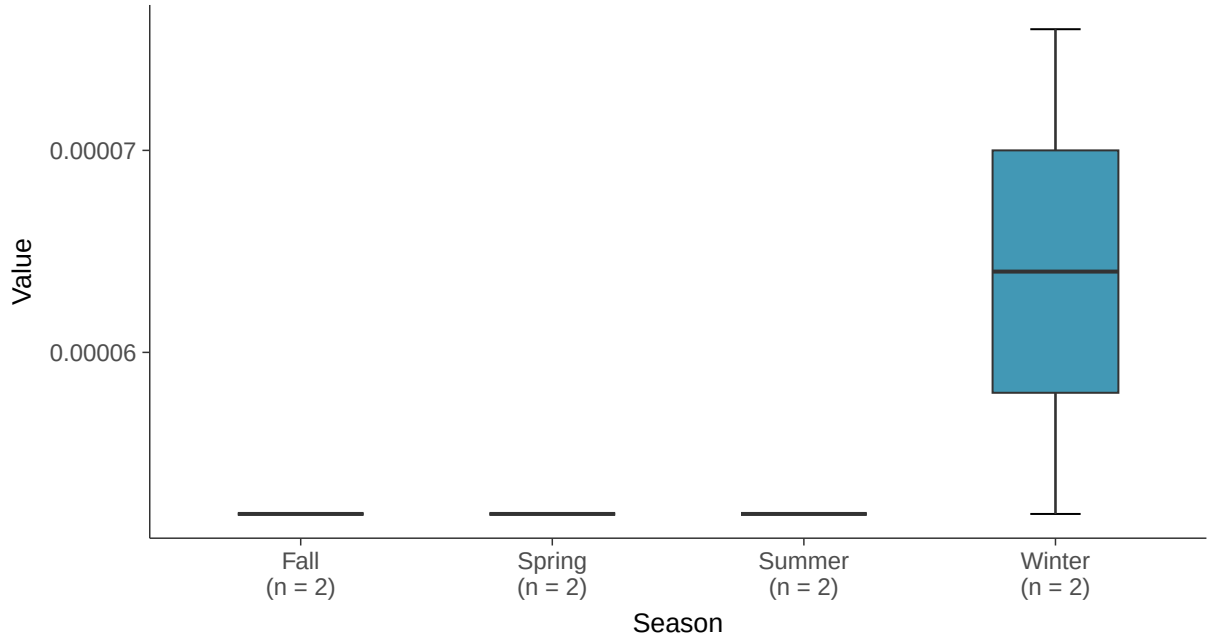
Boxplot

Beryllium, MW-37 (mg/L)



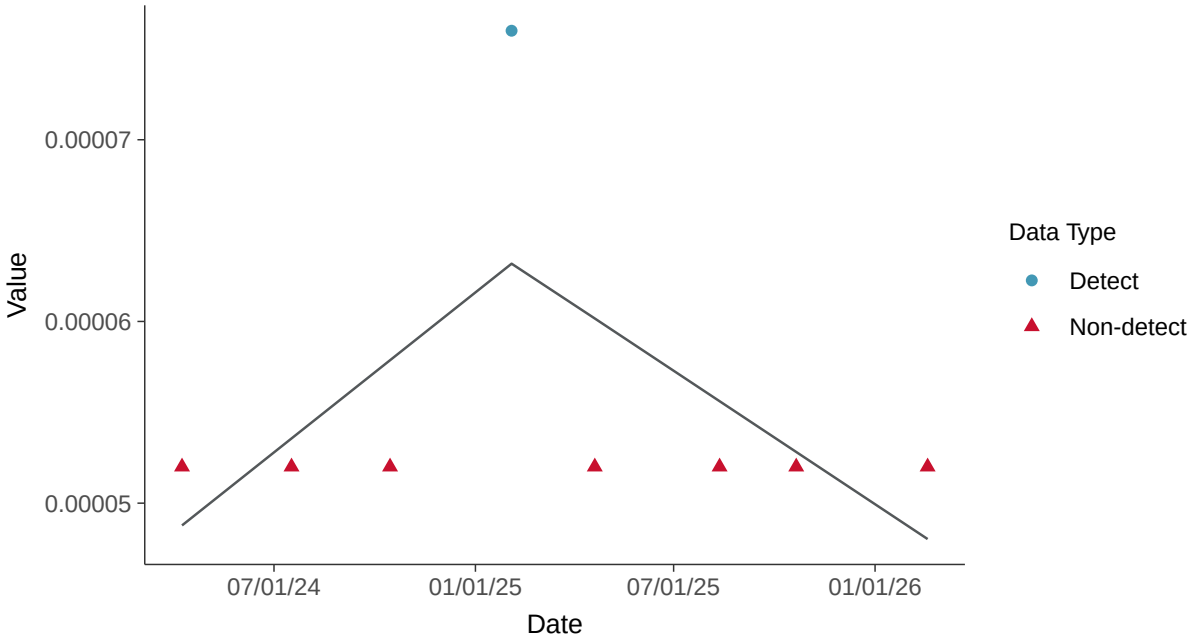
Boxplot by Season

Beryllium, MW-37 (mg/L)



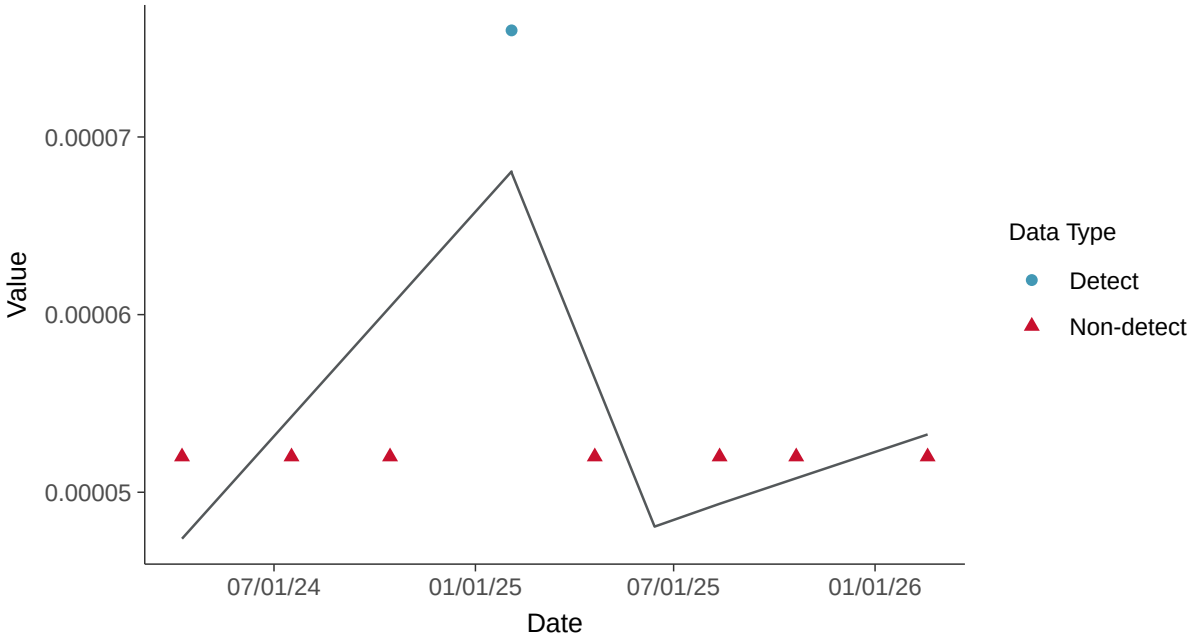
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-37 (mg/L)



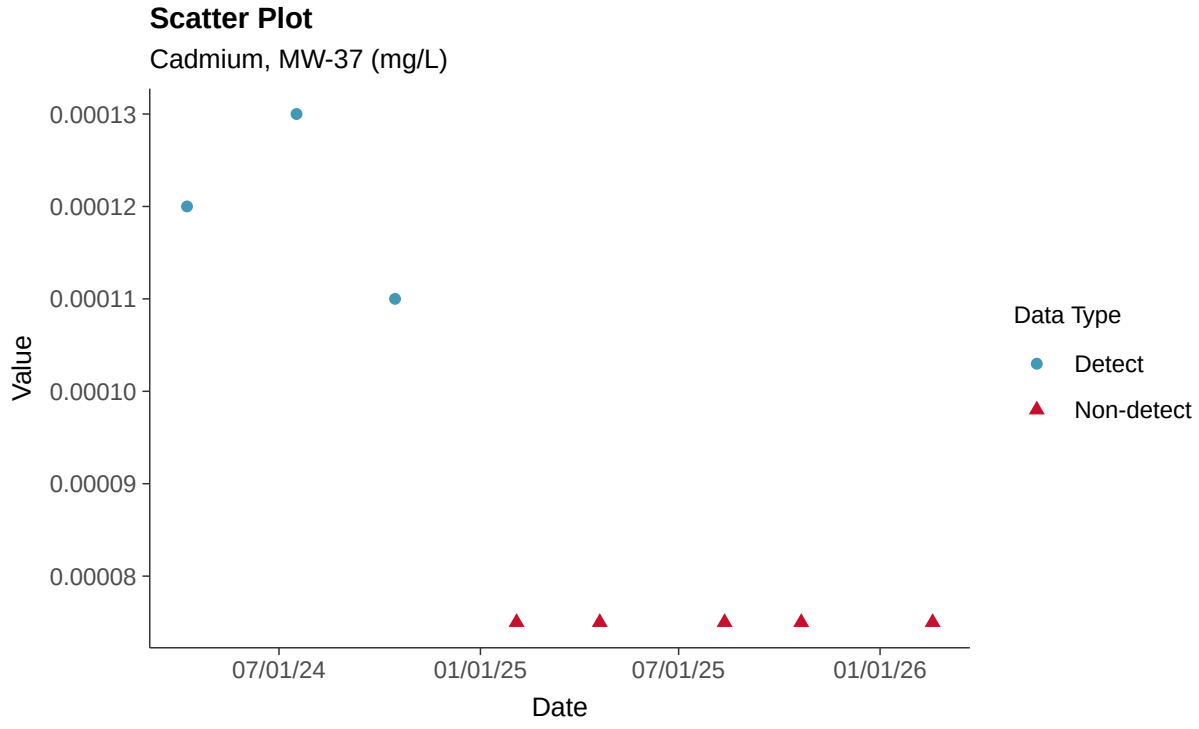
Trend Regression: Piecewise Linear-Linear-Linear

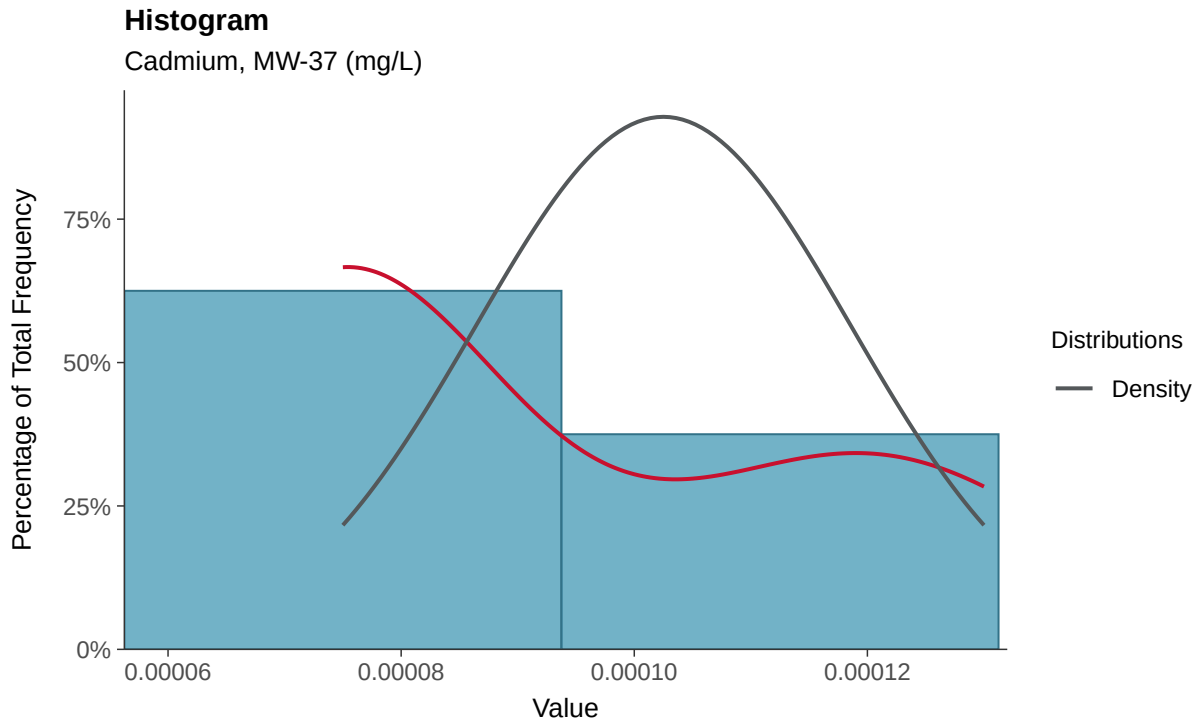
Beryllium, MW-37 (mg/L)



Appendix IV: Cadmium, MW-37

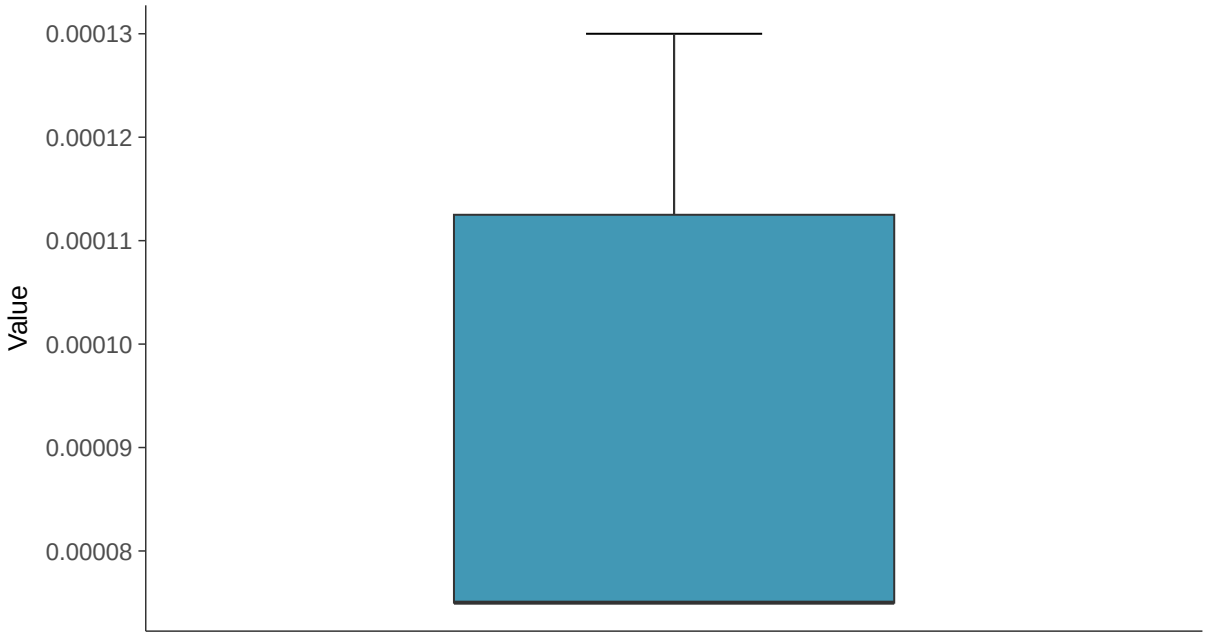
ID: 47_1_4_106





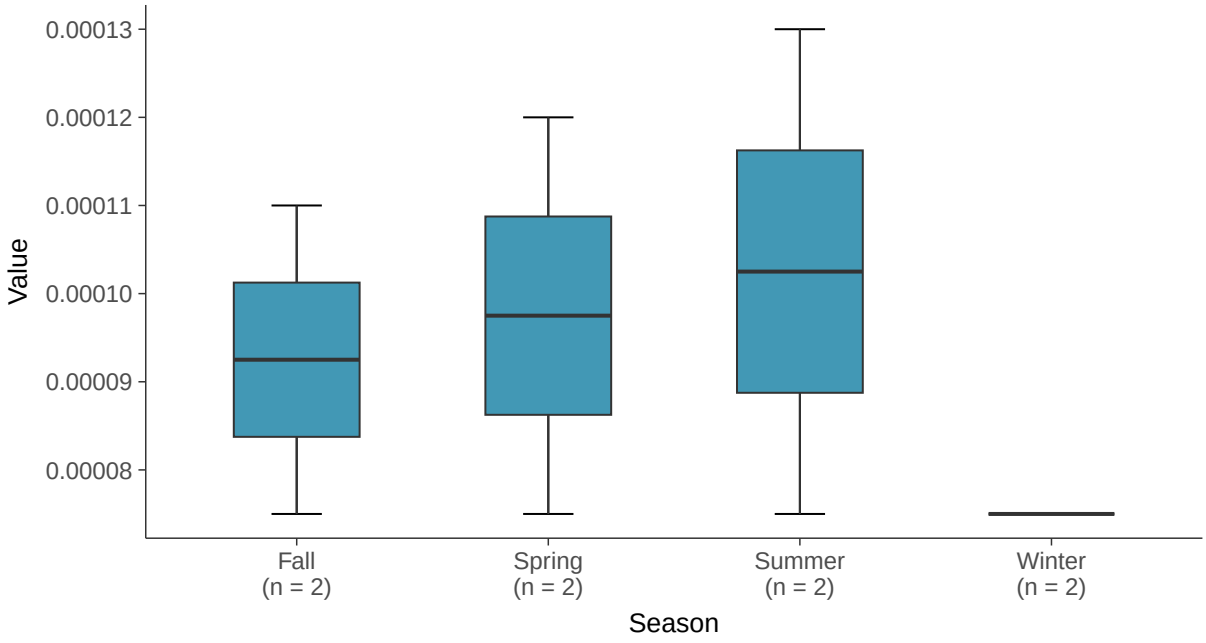
Boxplot

Cadmium, MW-37 (mg/L)



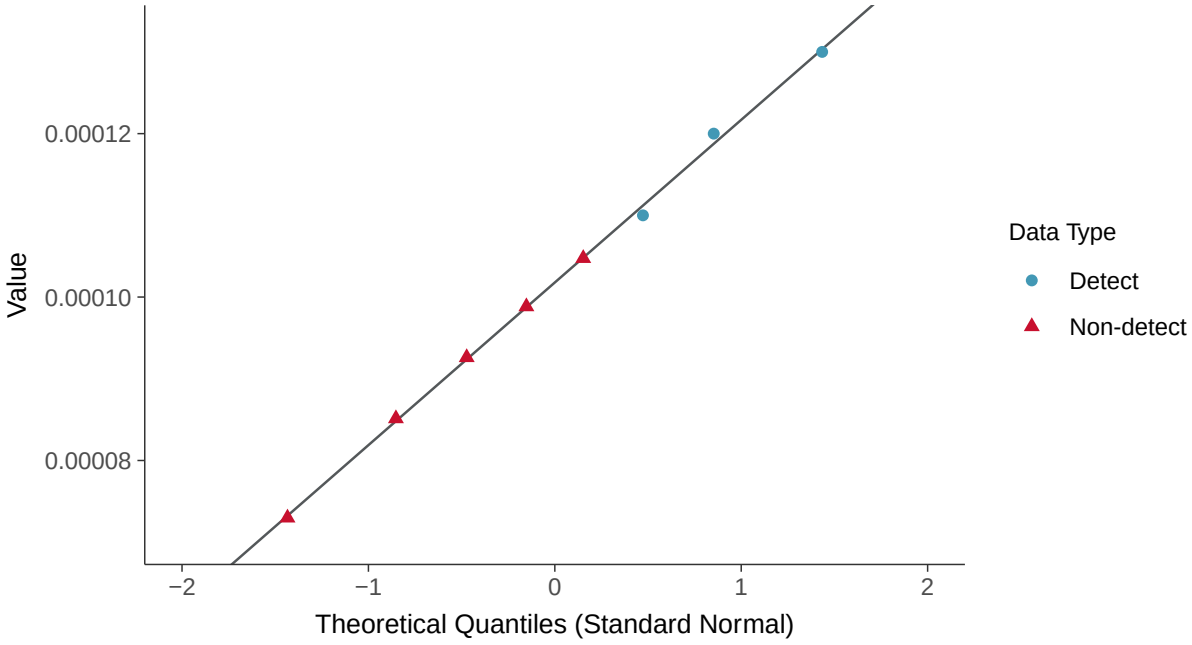
Boxplot by Season

Cadmium, MW-37 (mg/L)



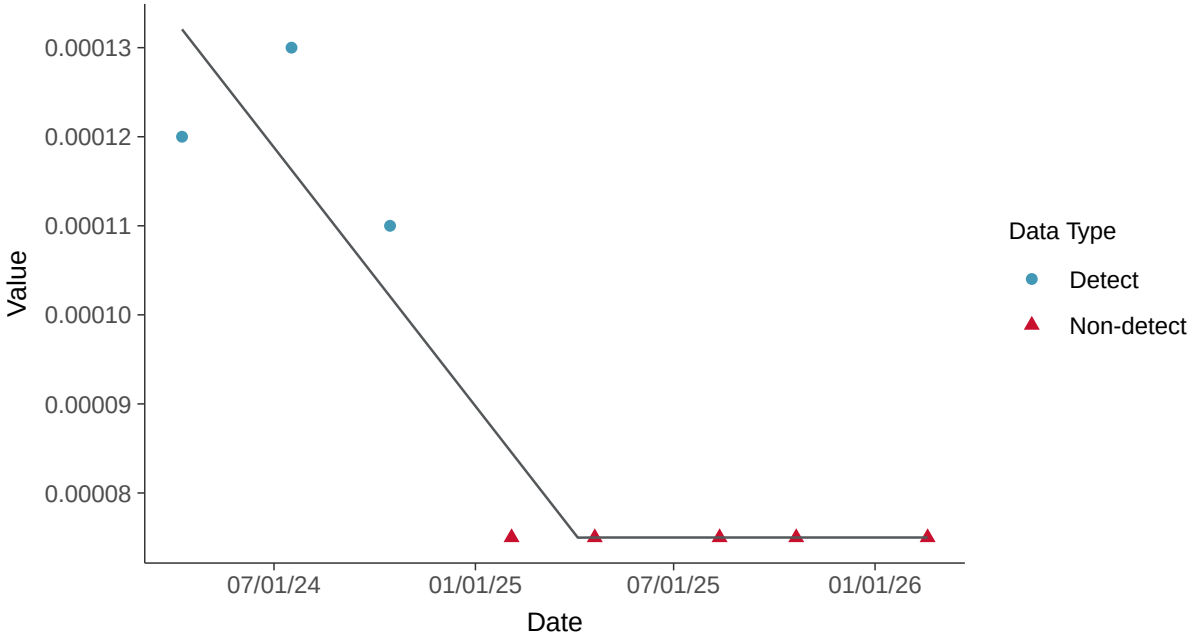
Normal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-37 (mg/L)



Trend Regression: Piecewise Linear-Linear

Cadmium, MW-37 (mg/L)

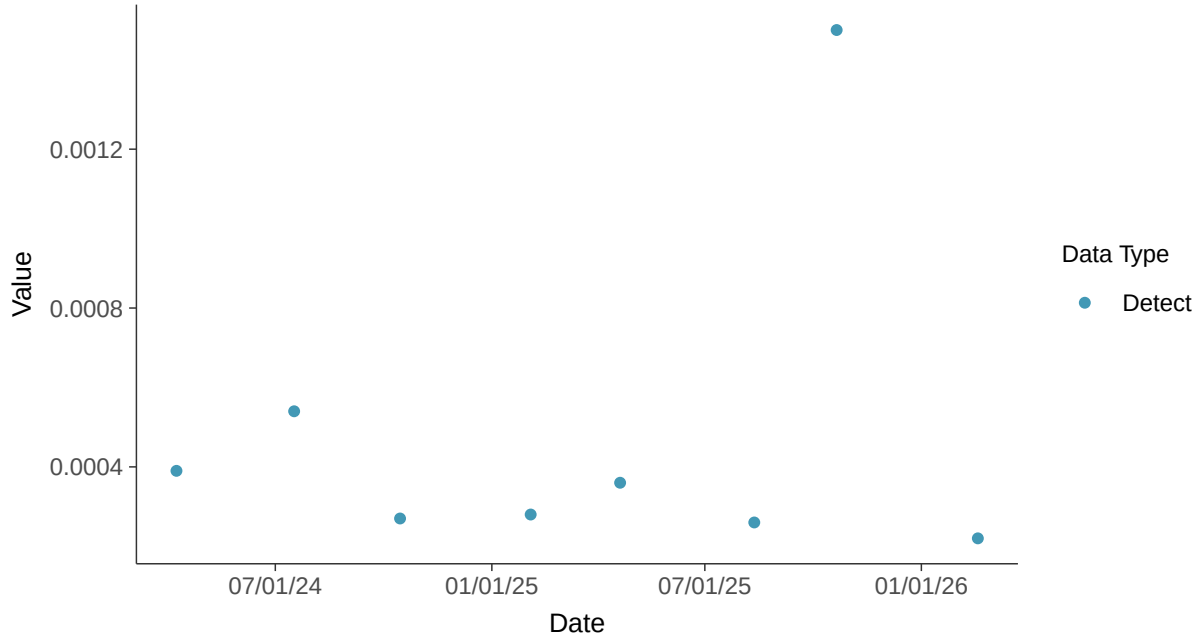


Appendix IV: Chromium, Total, MW-37

ID: 47_1_4_109

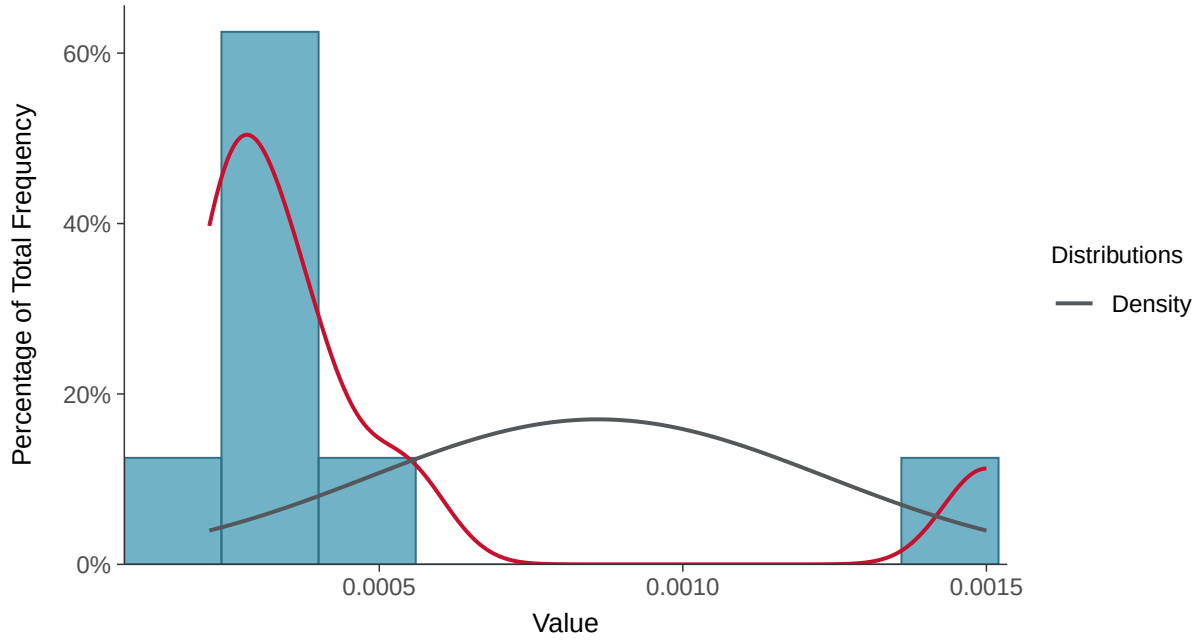
Scatter Plot

Chromium, Total, MW-37 (mg/L)



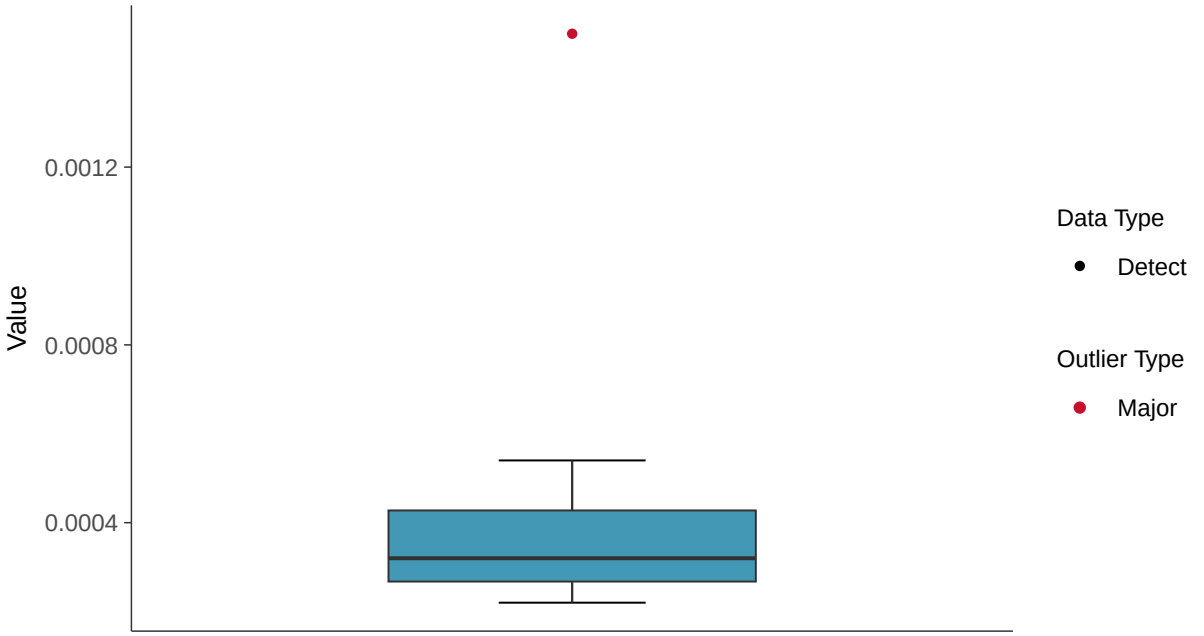
Histogram

Chromium, Total, MW-37 (mg/L)



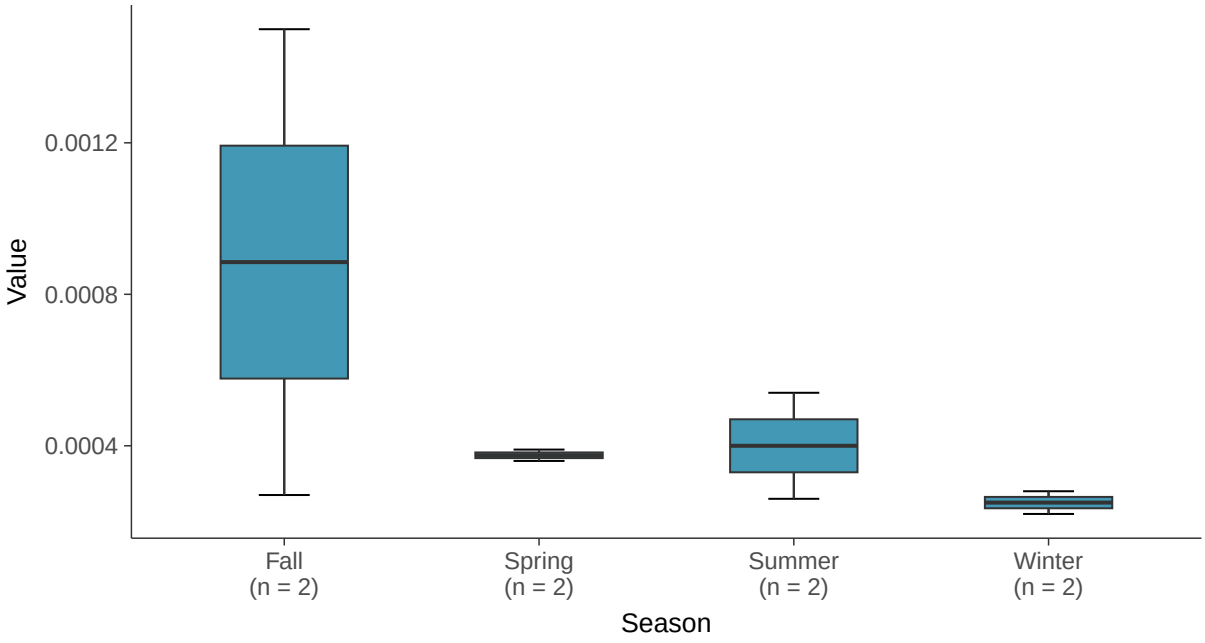
Boxplot

Chromium, Total, MW-37 (mg/L)



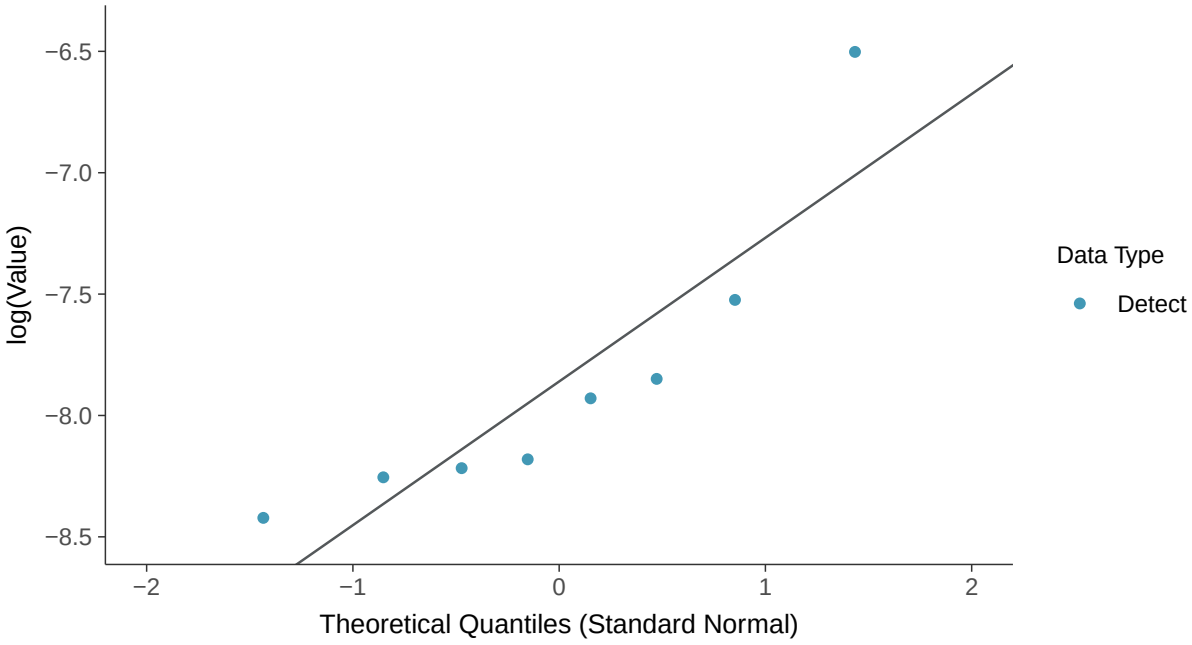
Boxplot by Season

Chromium, Total, MW-37 (mg/L)



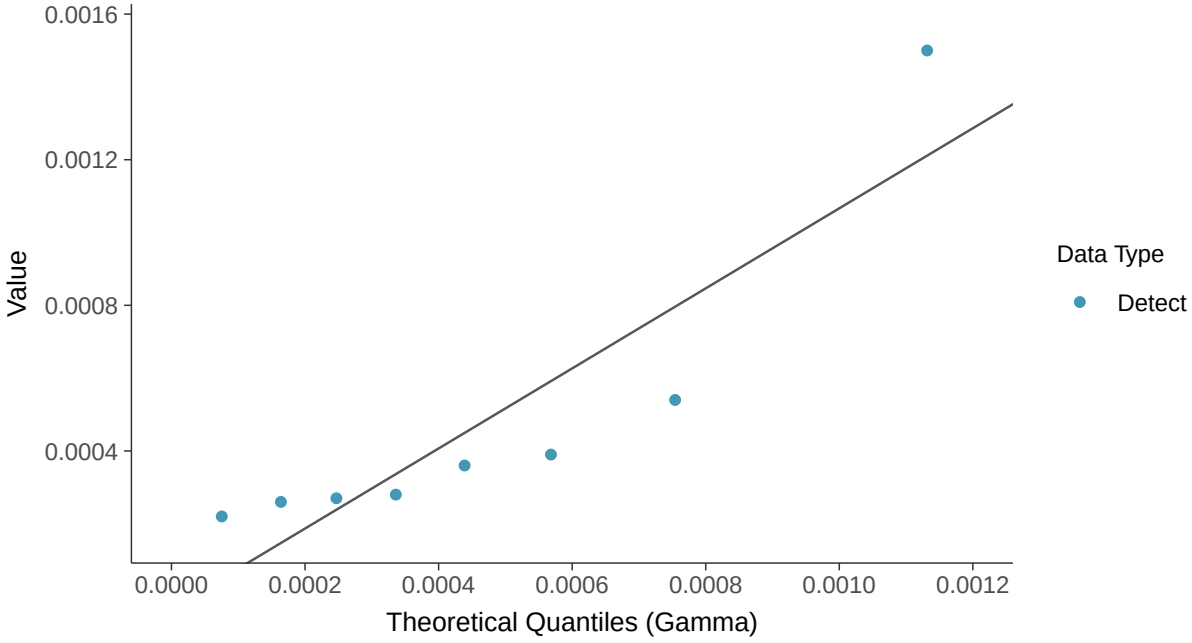
Lognormal Q-Q plot

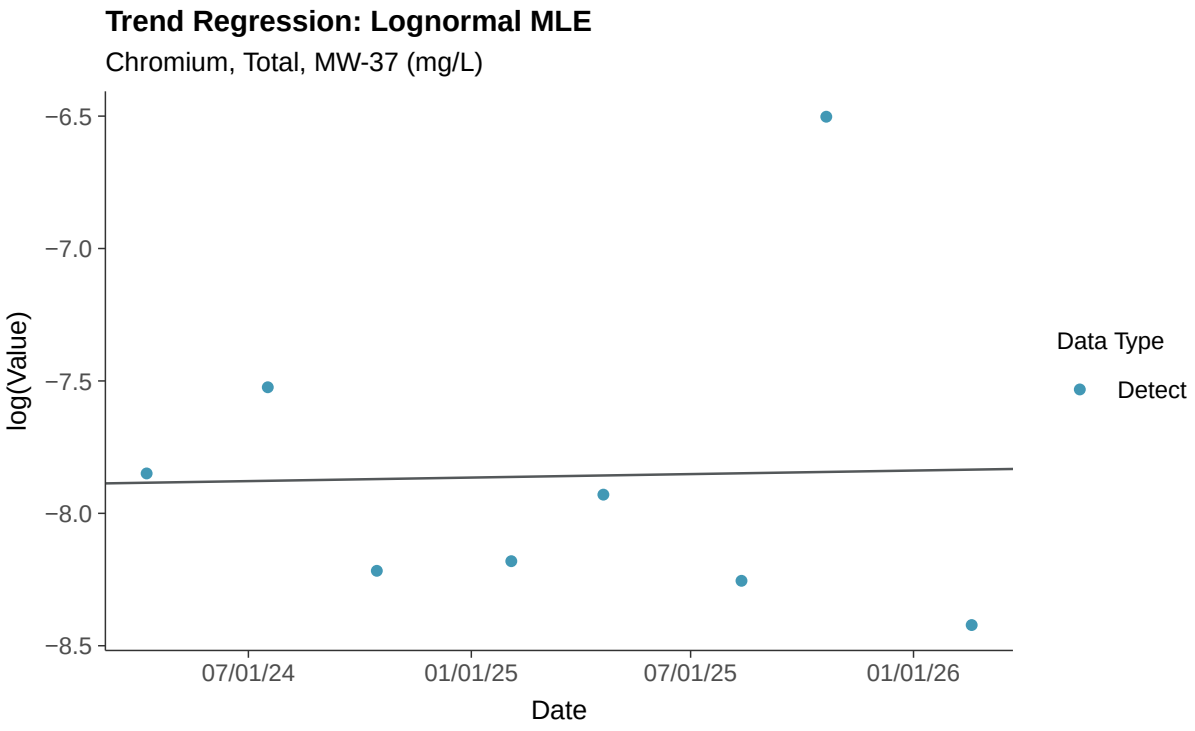
Chromium, Total, MW-37 (mg/L)



Gamma Q-Q plot

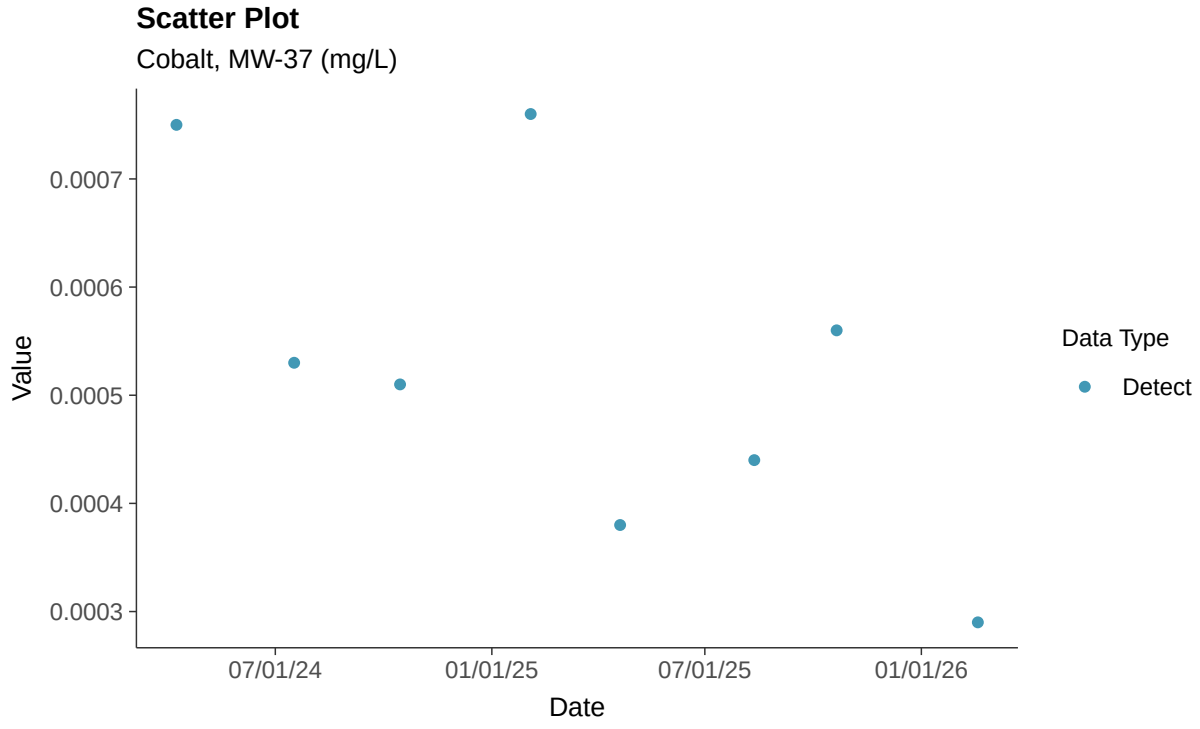
Chromium, Total, MW-37 (mg/L)

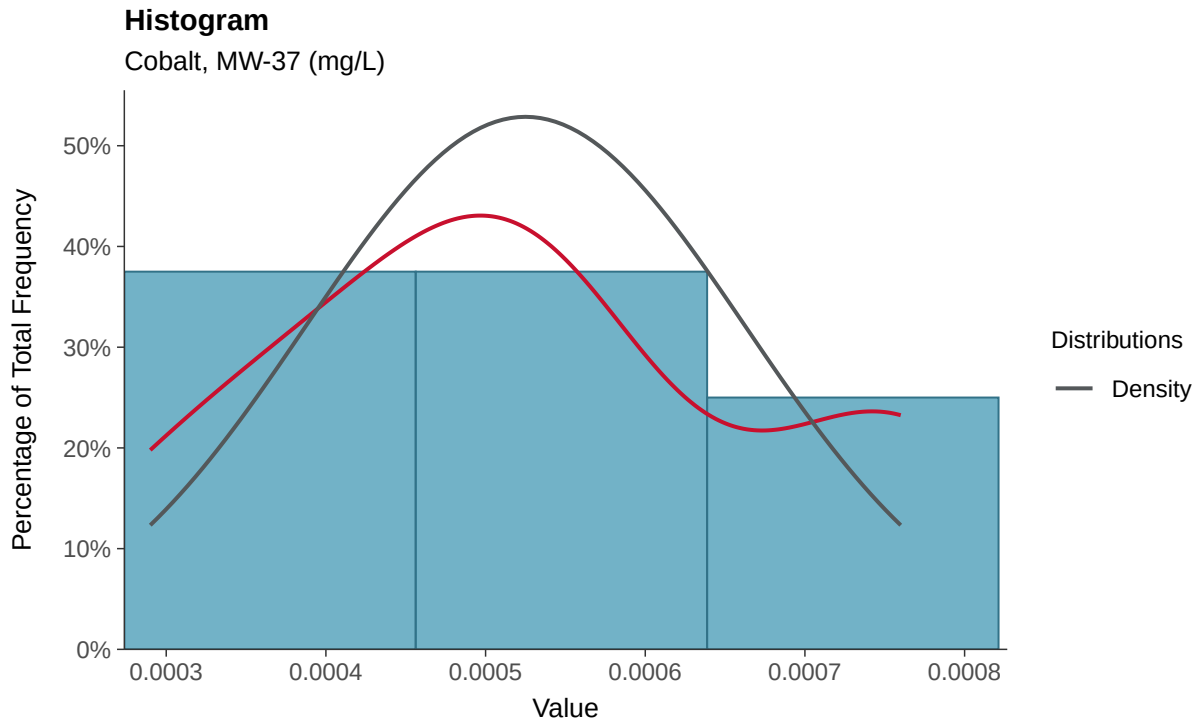



Trend Regression: Lognormal MLE
Chromium, Total, MW-37 (mg/L)
log(Value)
−6.5
−7.0
−7.5
−8.0
−8.5
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect

Appendix IV: Cobalt, MW-37

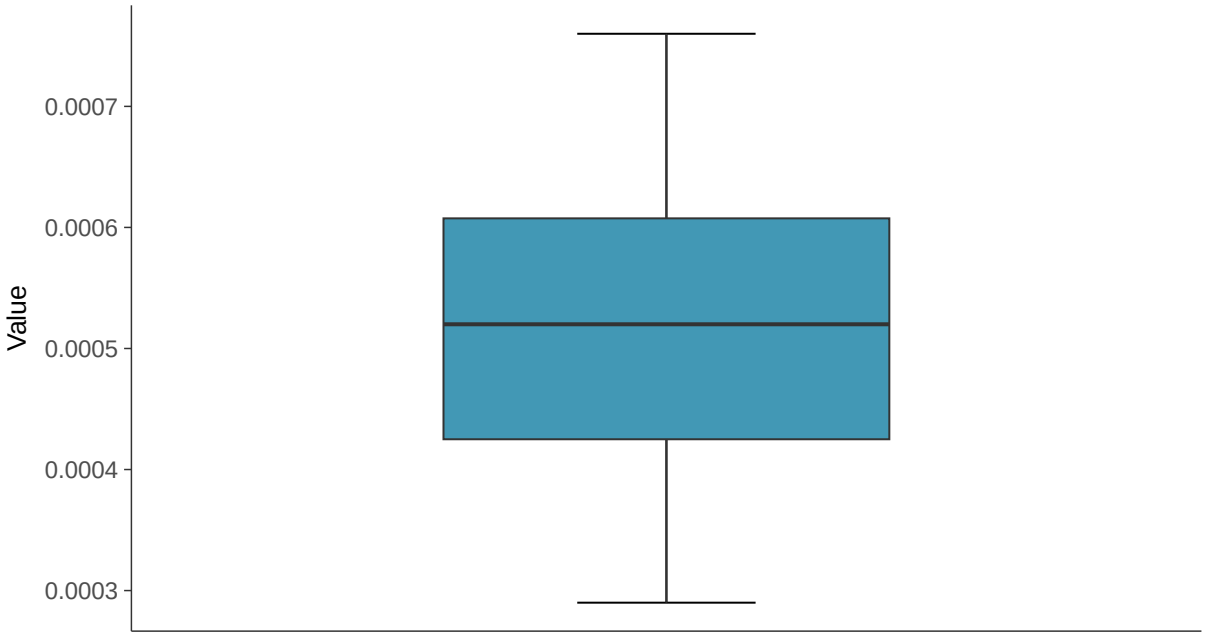
ID: 47_1_4_110





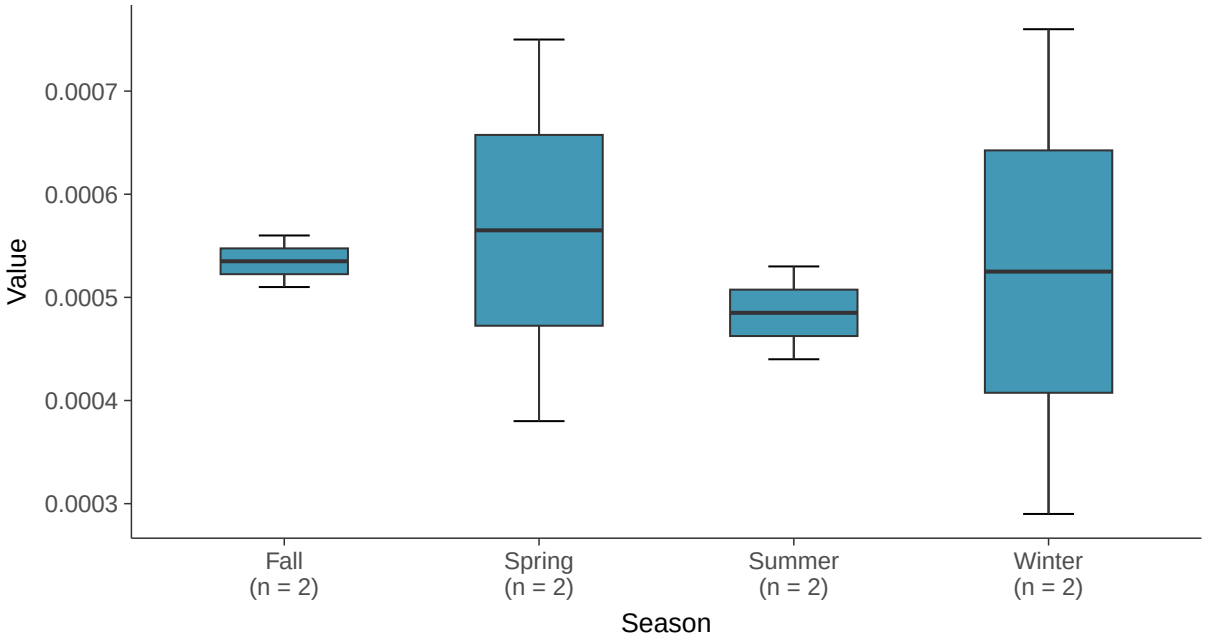
Boxplot

Cobalt, MW-37 (mg/L)



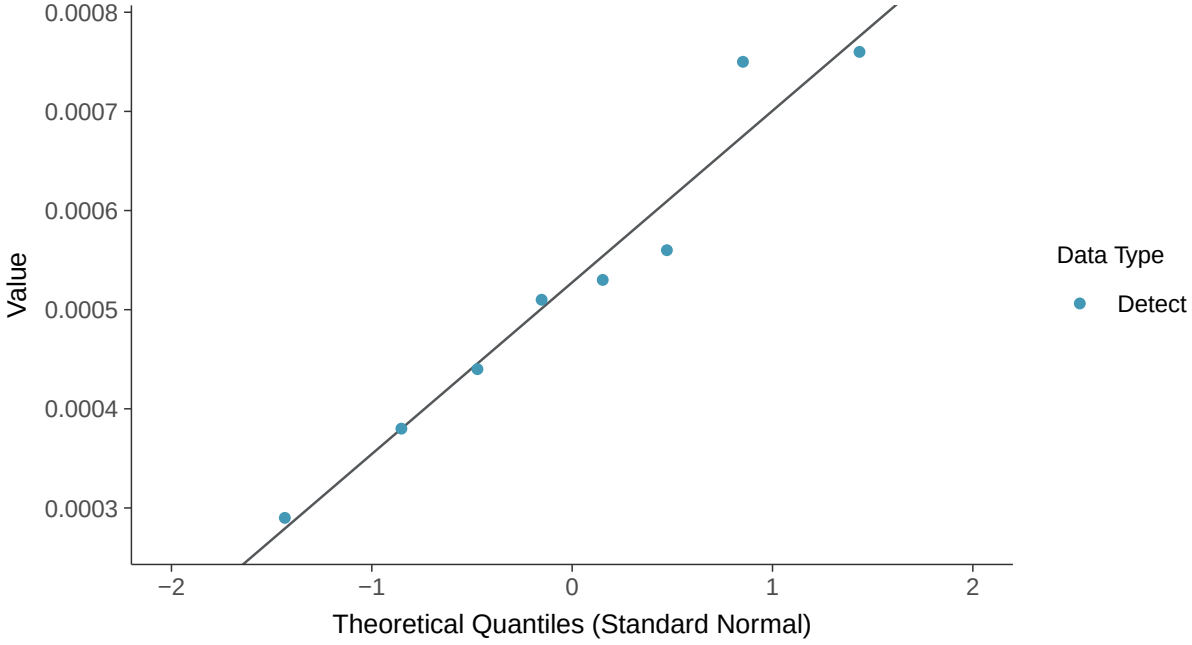
Boxplot by Season

Cobalt, MW-37 (mg/L)



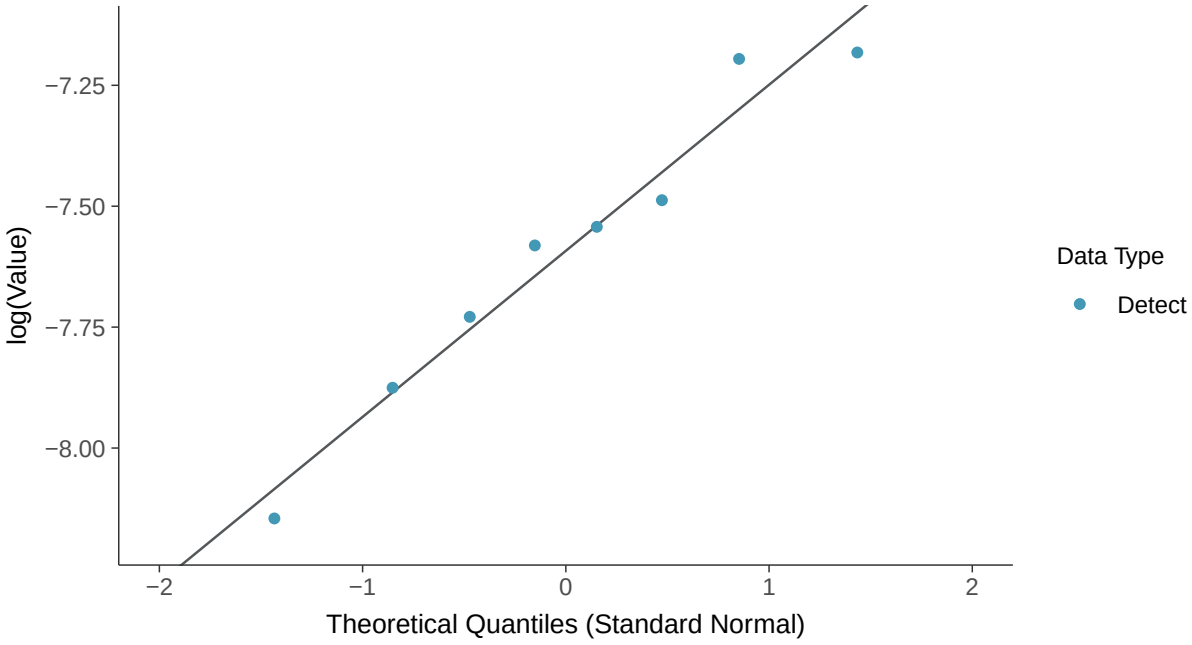
Normal Q-Q plot

Cobalt, MW-37 (mg/L)



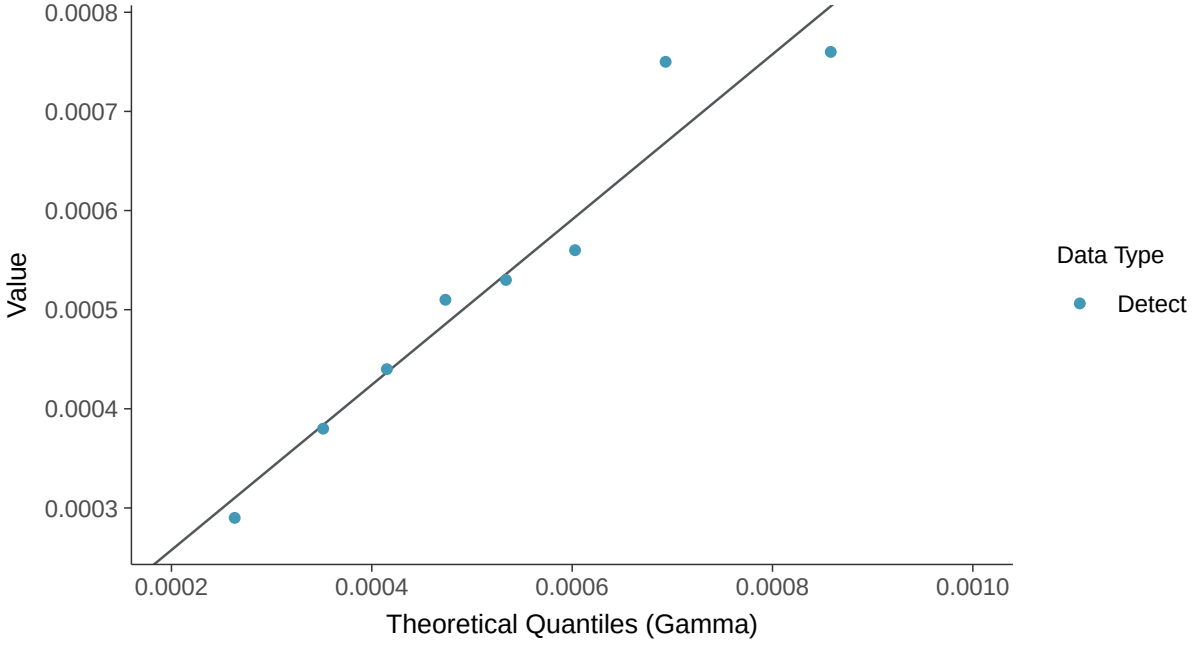
Lognormal Q-Q plot

Cobalt, MW-37 (mg/L)



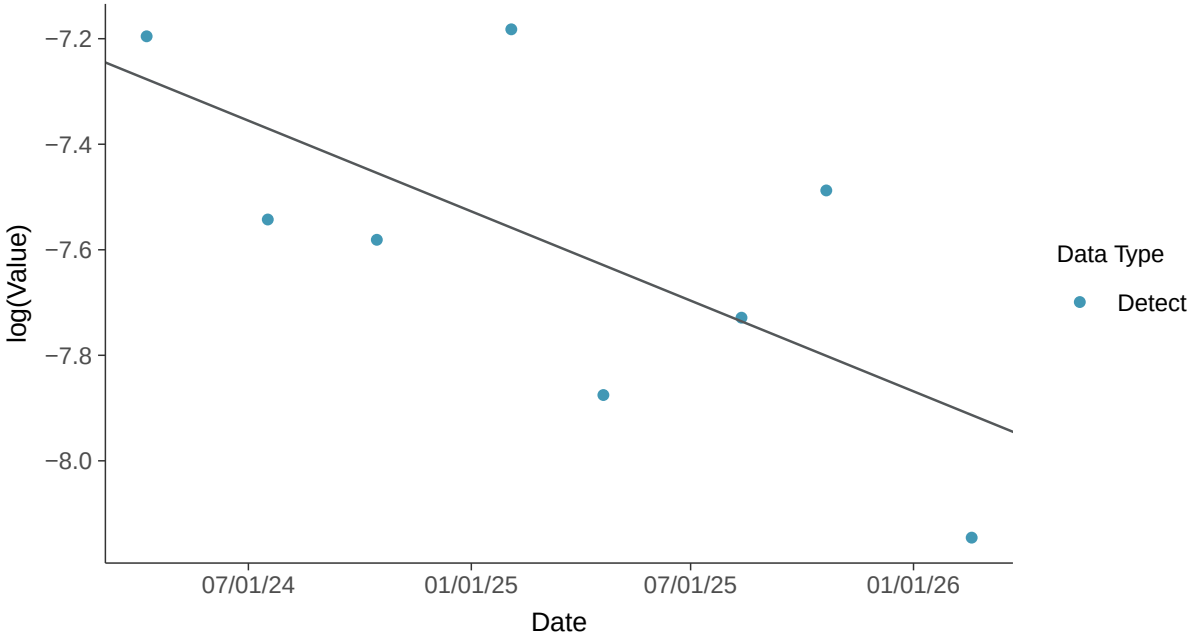
Gamma Q-Q plot

Cobalt, MW-37 (mg/L)



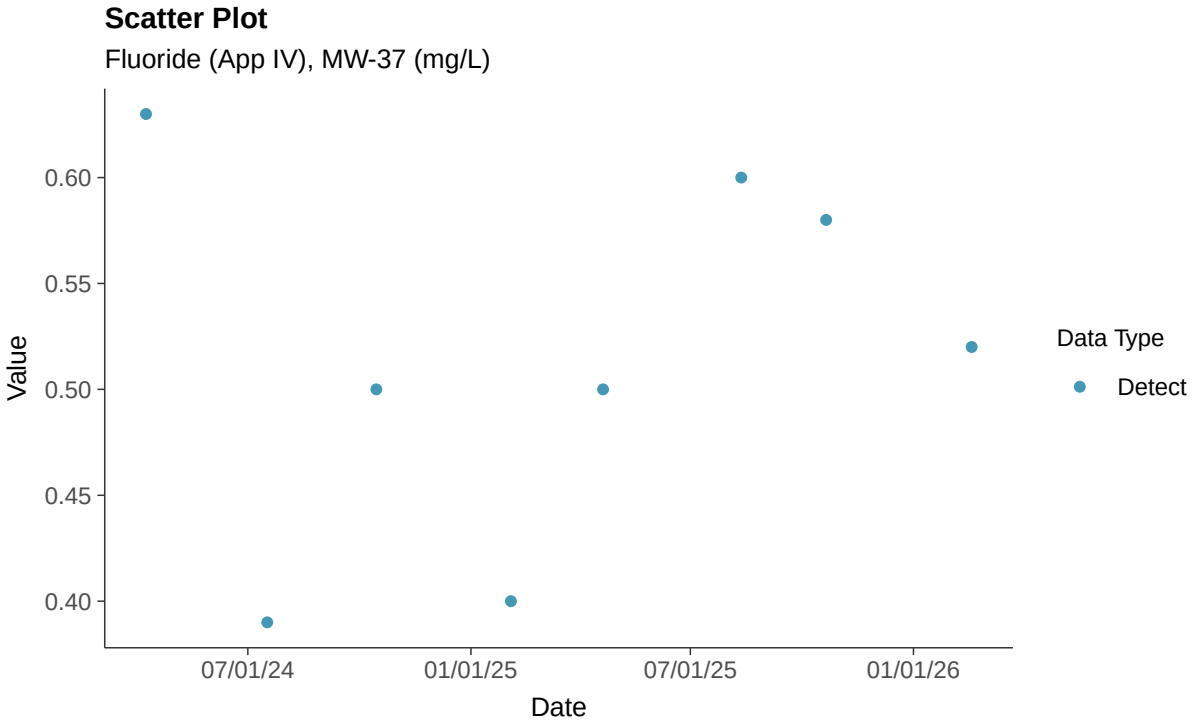
Trend Regression: Lognormal MLE

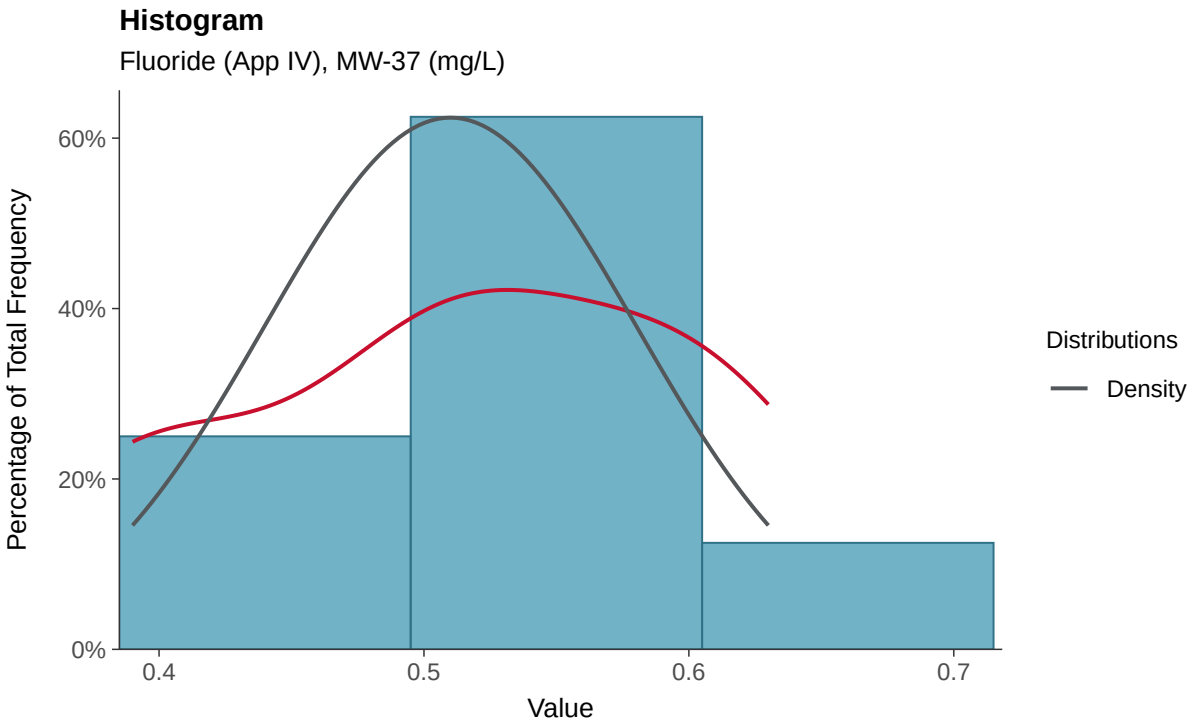
Cobalt, MW-37 (mg/L)



Appendix IV: Fluoride (App IV), MW-37

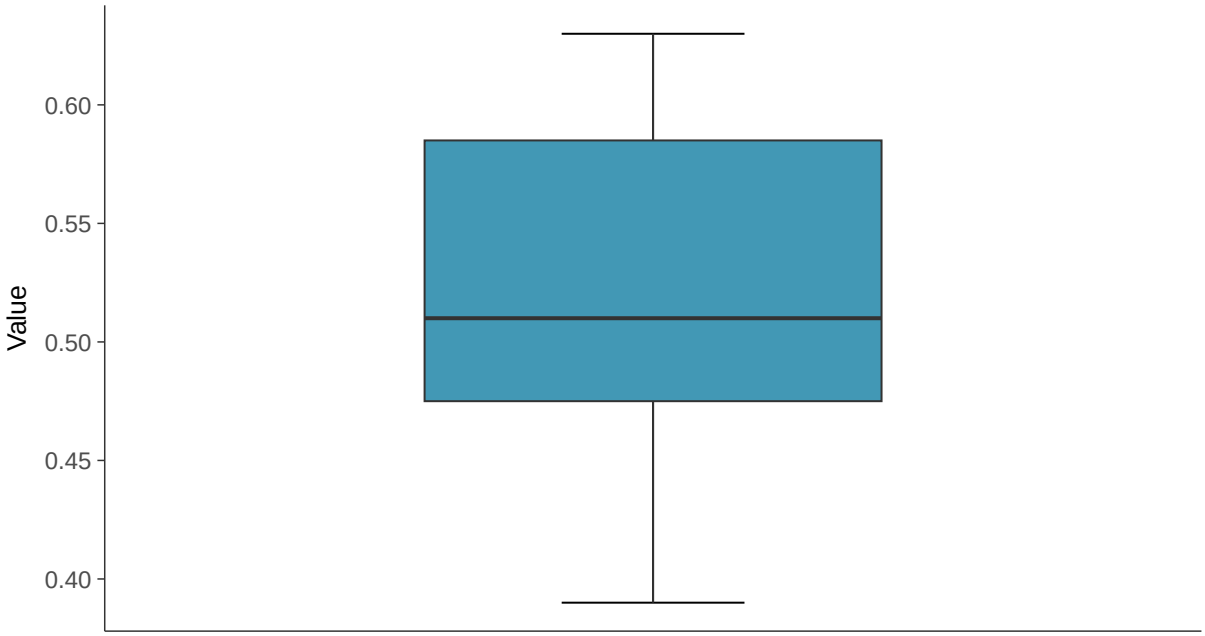
ID: 47_1_4_113





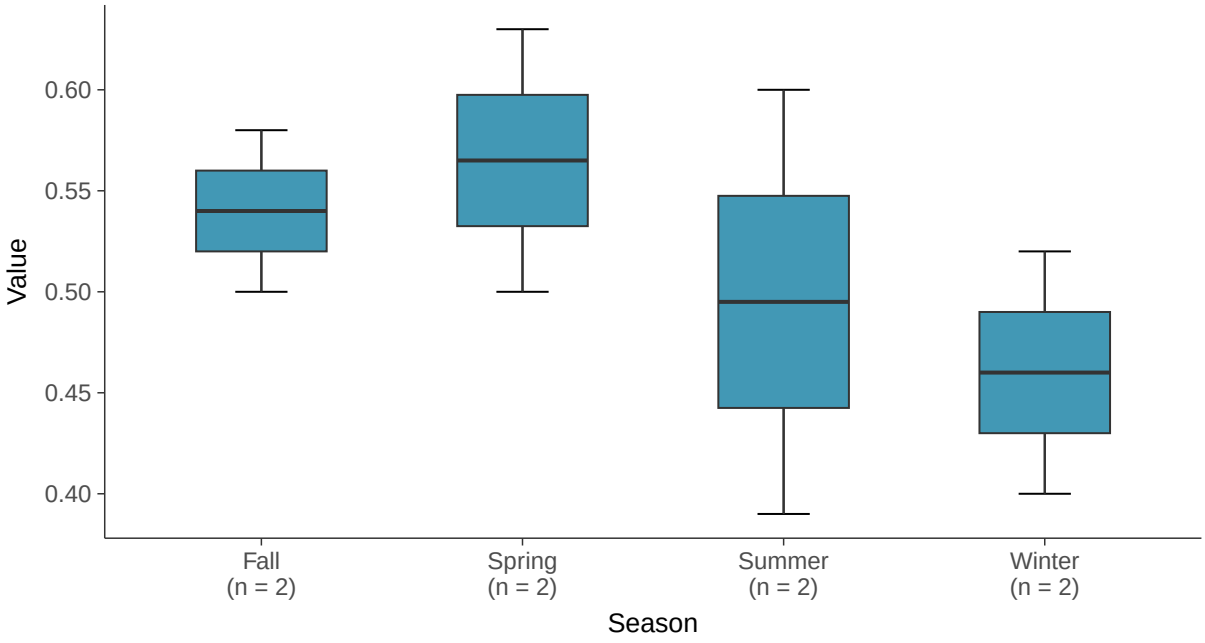
Boxplot

Fluoride (App IV), MW-37 (mg/L)



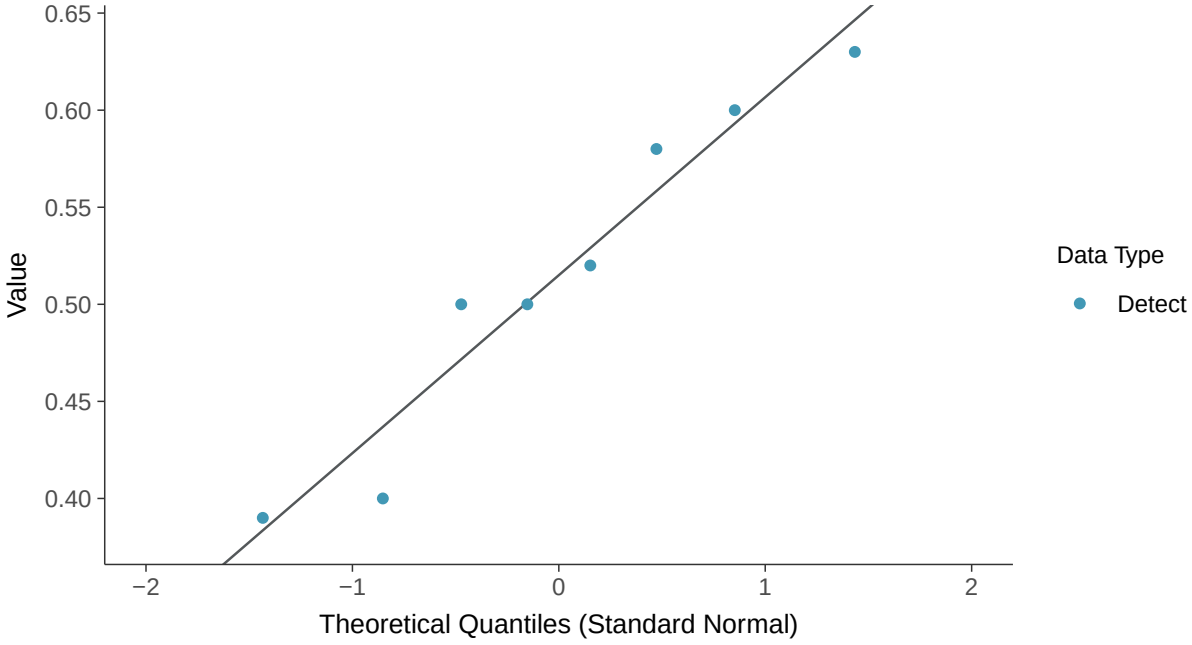
Boxplot by Season

Fluoride (App IV), MW-37 (mg/L)



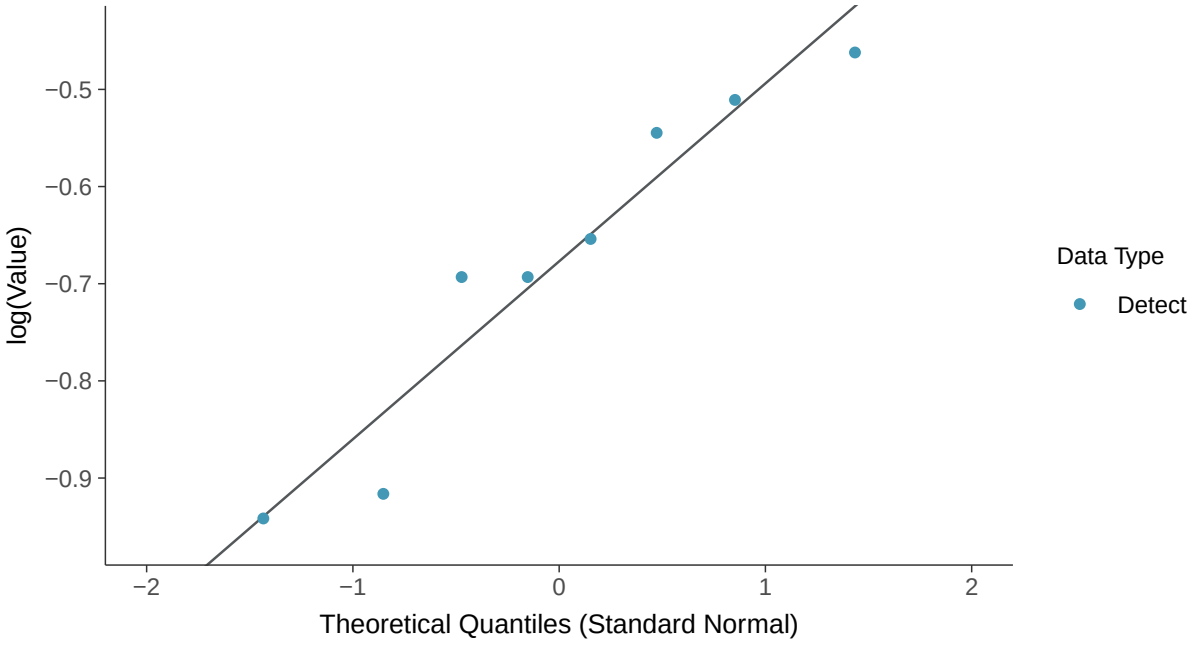
Normal Q-Q plot

Fluoride (App IV), MW-37 (mg/L)



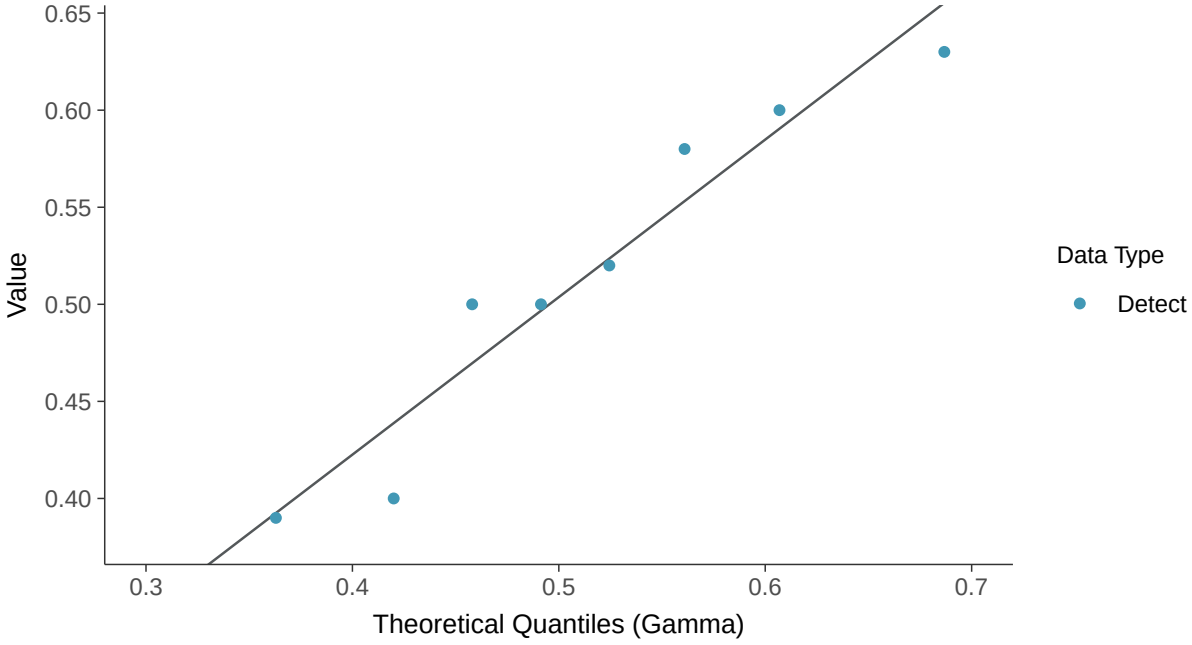
Lognormal Q-Q plot

Fluoride (App IV), MW-37 (mg/L)



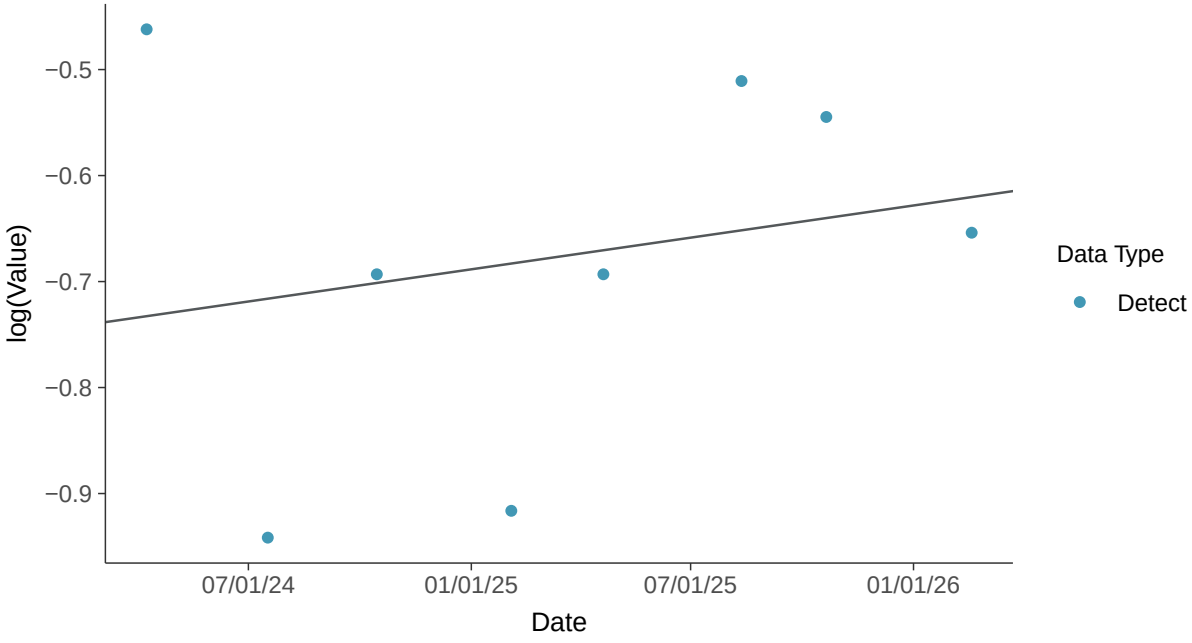
Gamma Q-Q plot

Fluoride (App IV), MW-37 (mg/L)



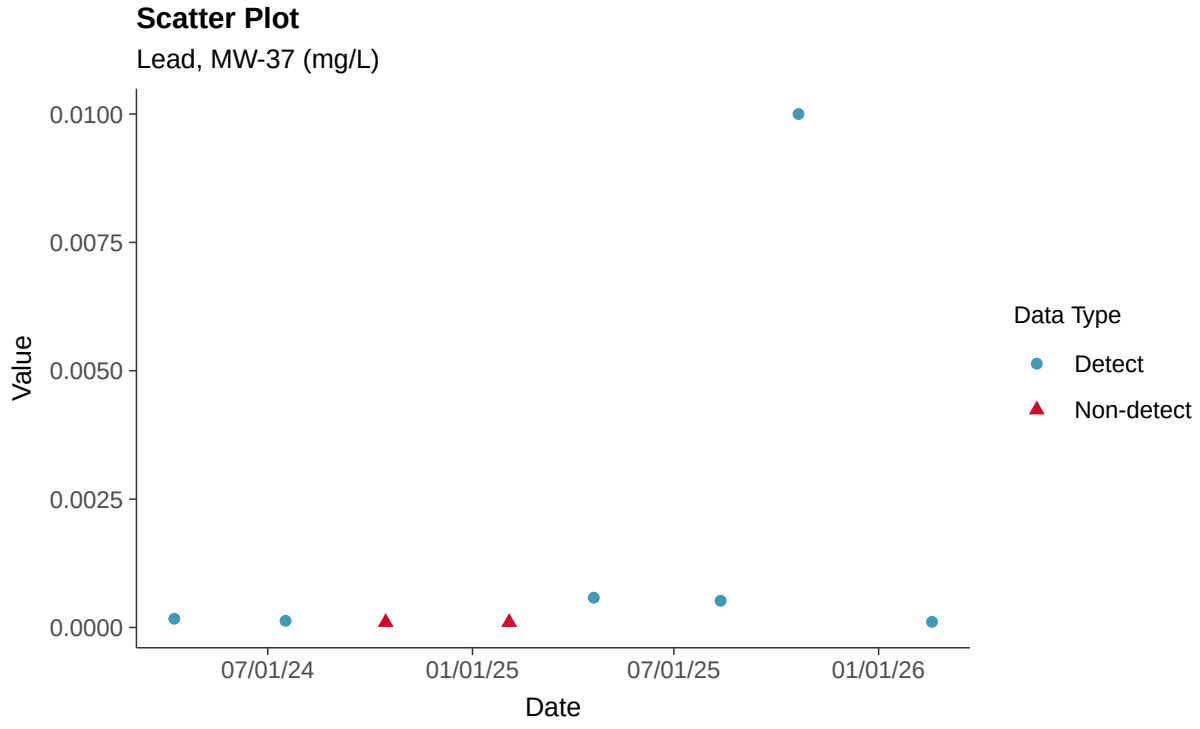
Trend Regression: Lognormal MLE

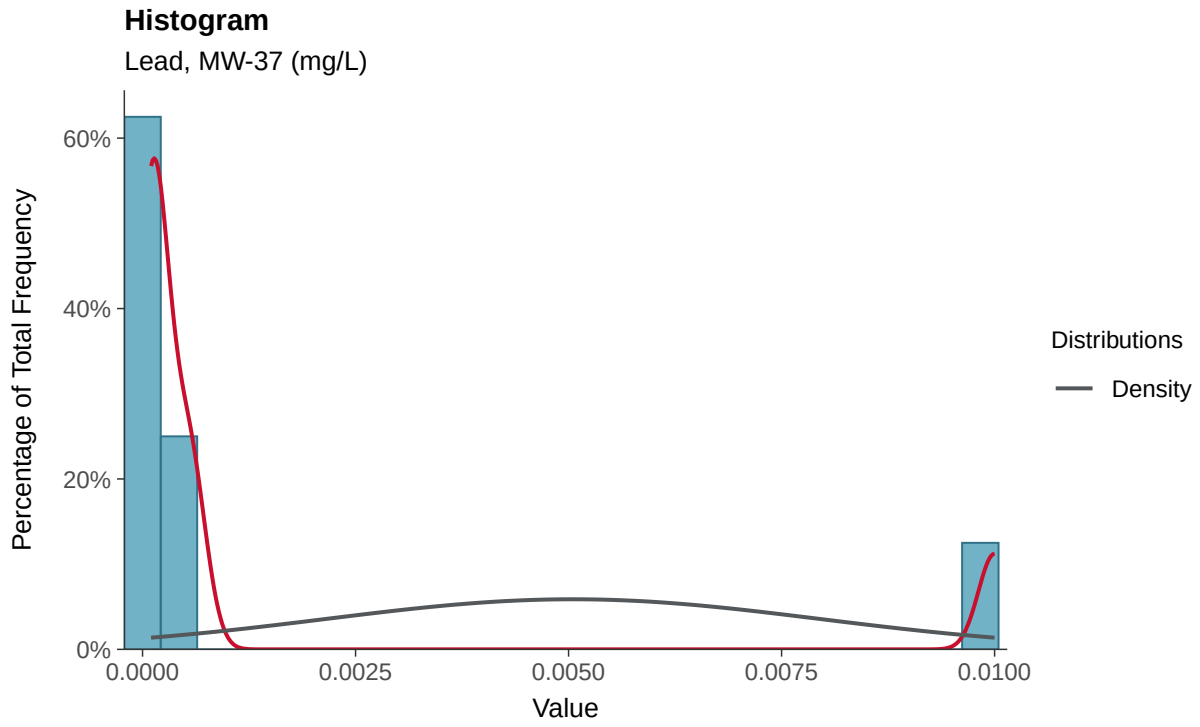
Fluoride (App IV), MW-37 (mg/L)



Appendix IV: Lead, MW-37

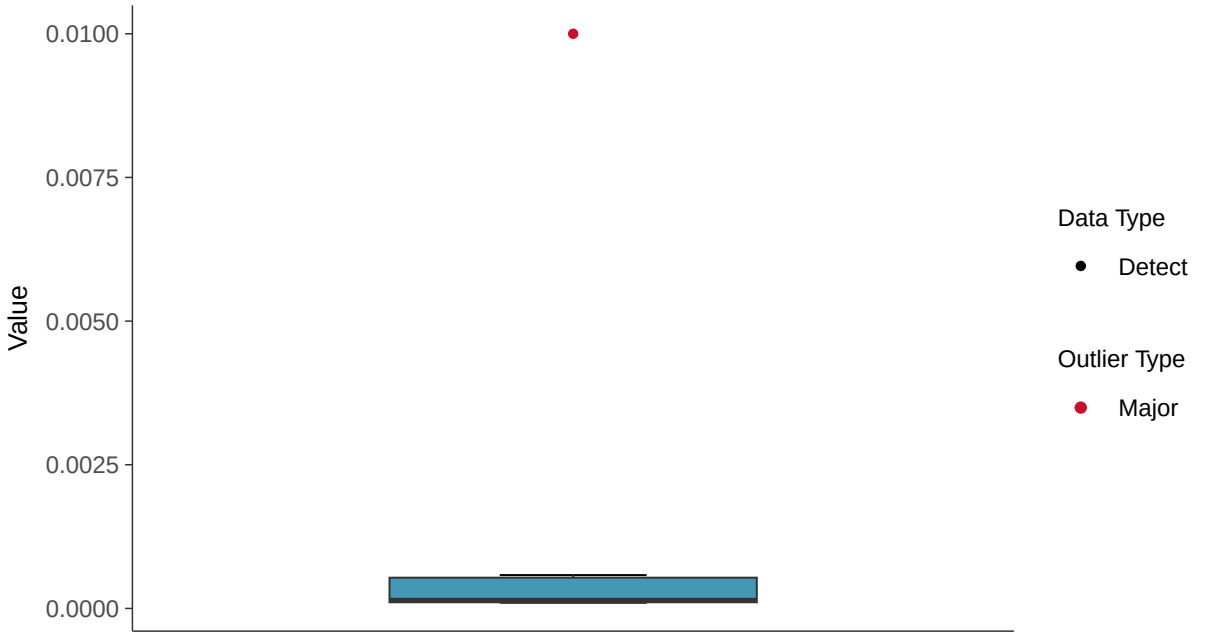
ID: 47_1_4_115





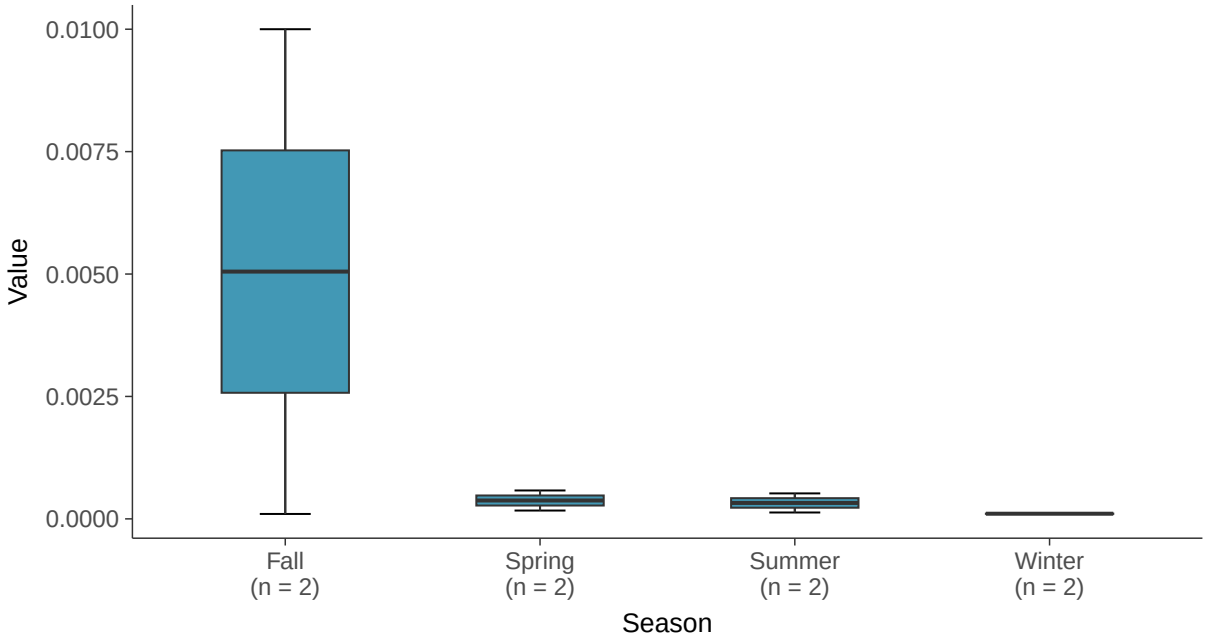
Boxplot

Lead, MW-37 (mg/L)



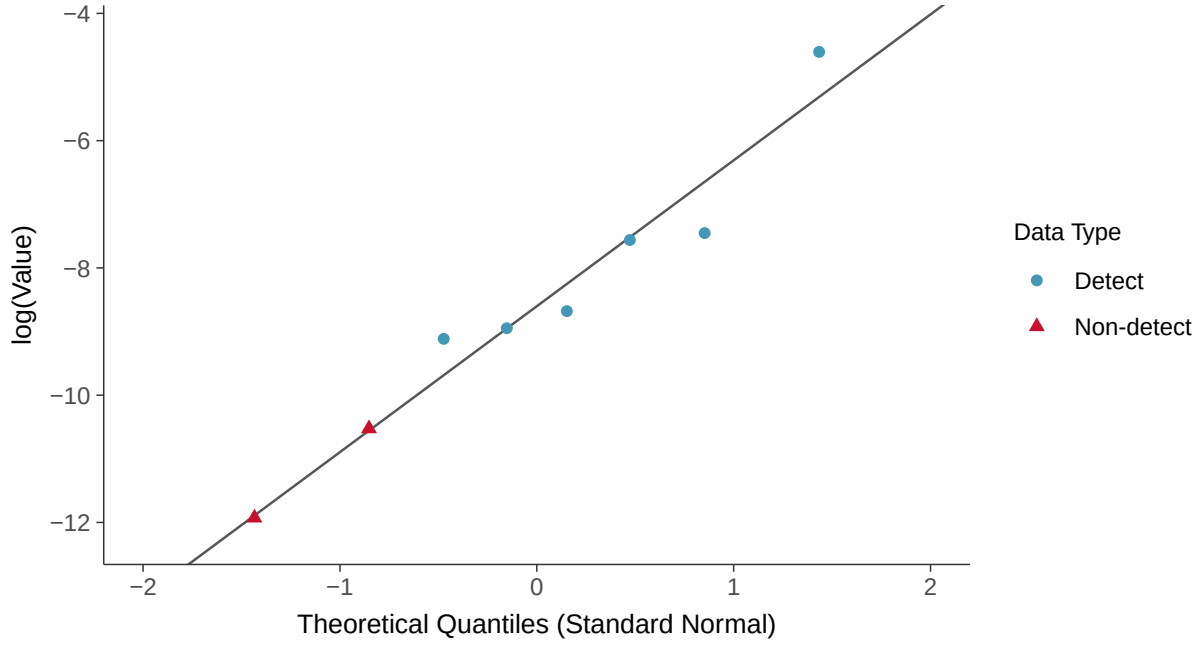
Boxplot by Season

Lead, MW-37 (mg/L)



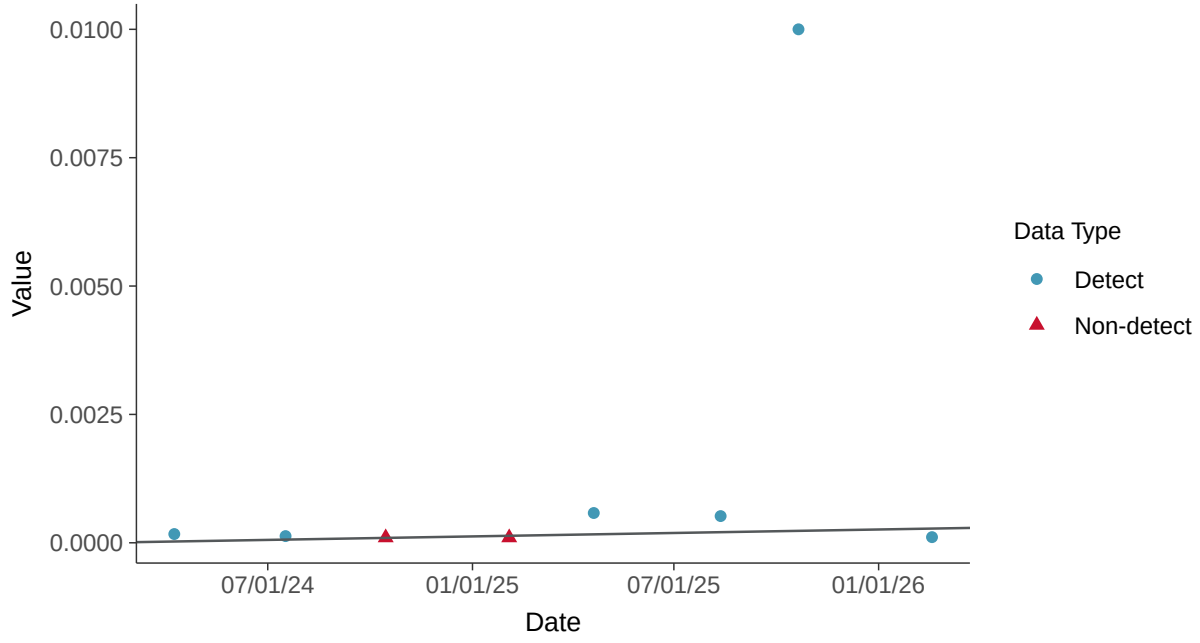
Lognormal Q-Q plot using ROS Imputed Estimates

Lead, MW-37 (mg/L)



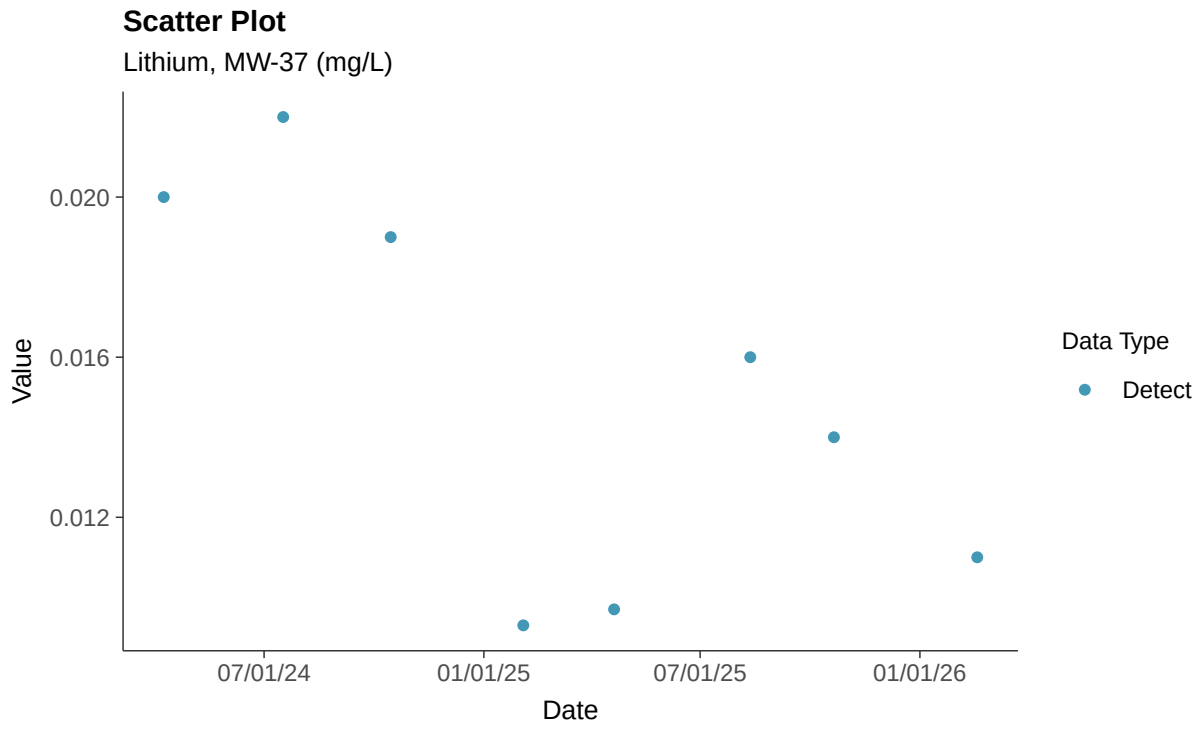
Trend Regression: Mann-Kendall/Theil-Sen Estimate

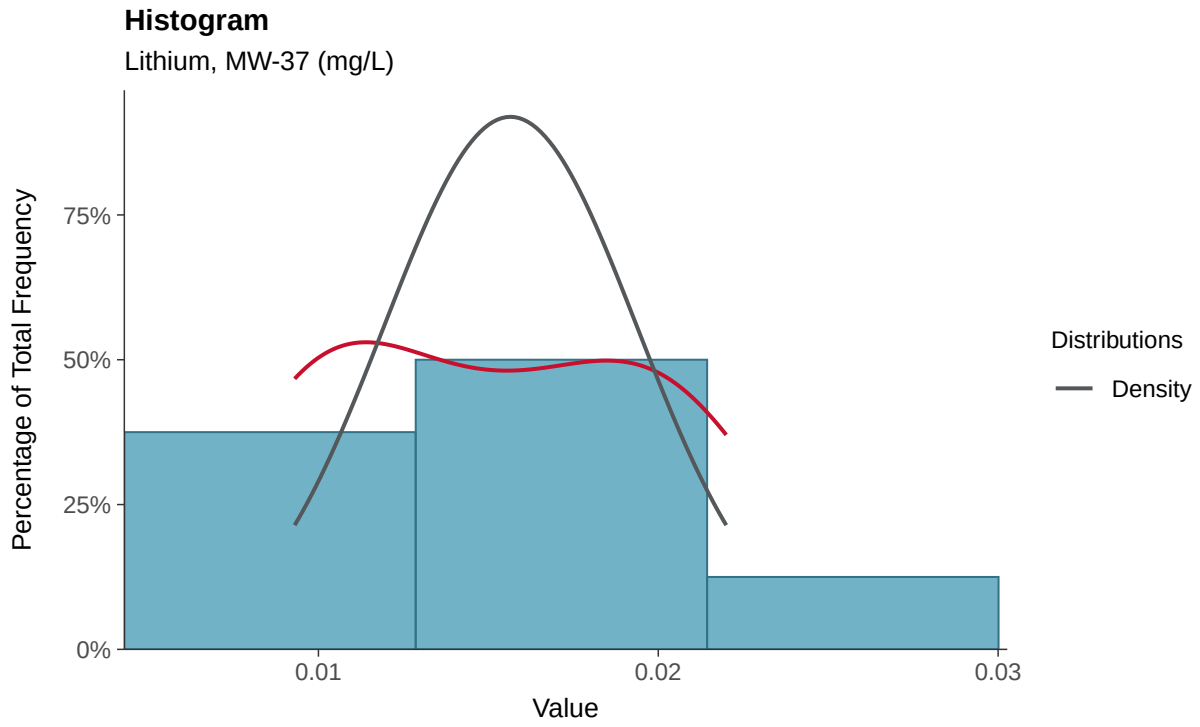
Lead, MW-37 (mg/L)



Appendix IV: Lithium, MW-37

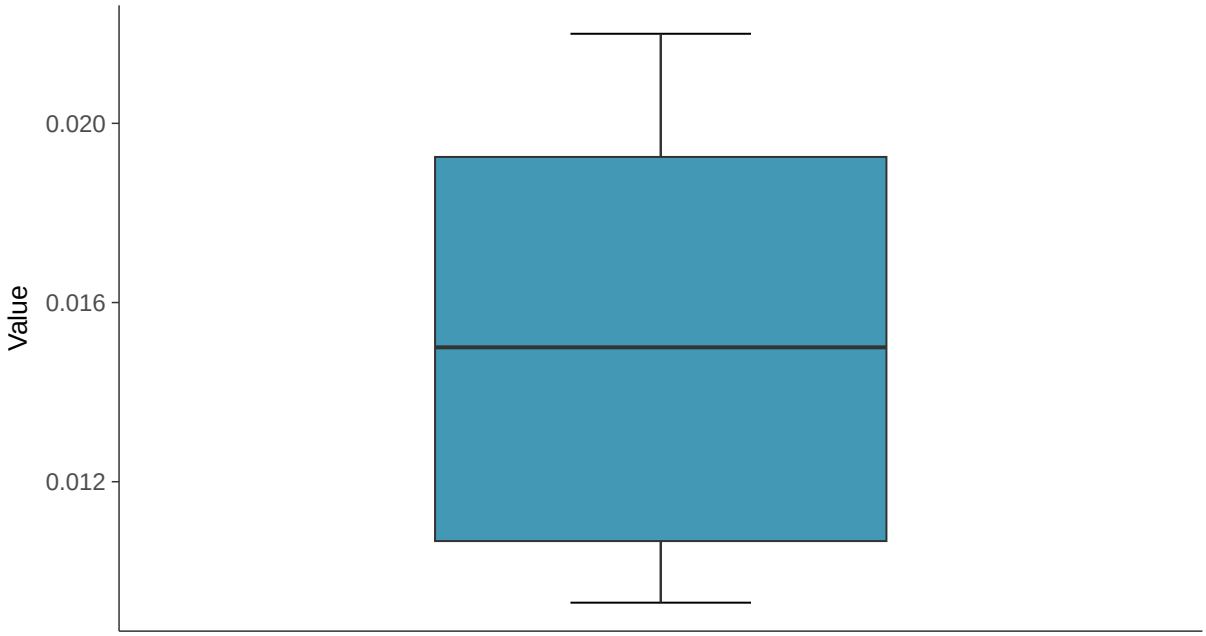
ID: 47_1_4_116





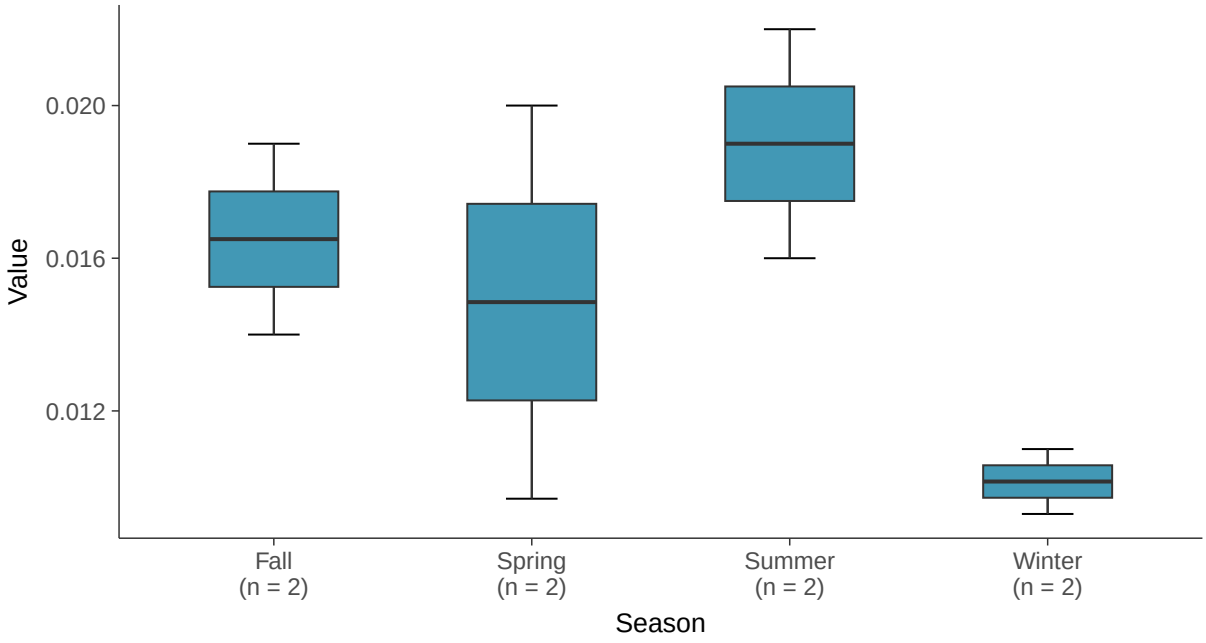
Boxplot

Lithium, MW-37 (mg/L)



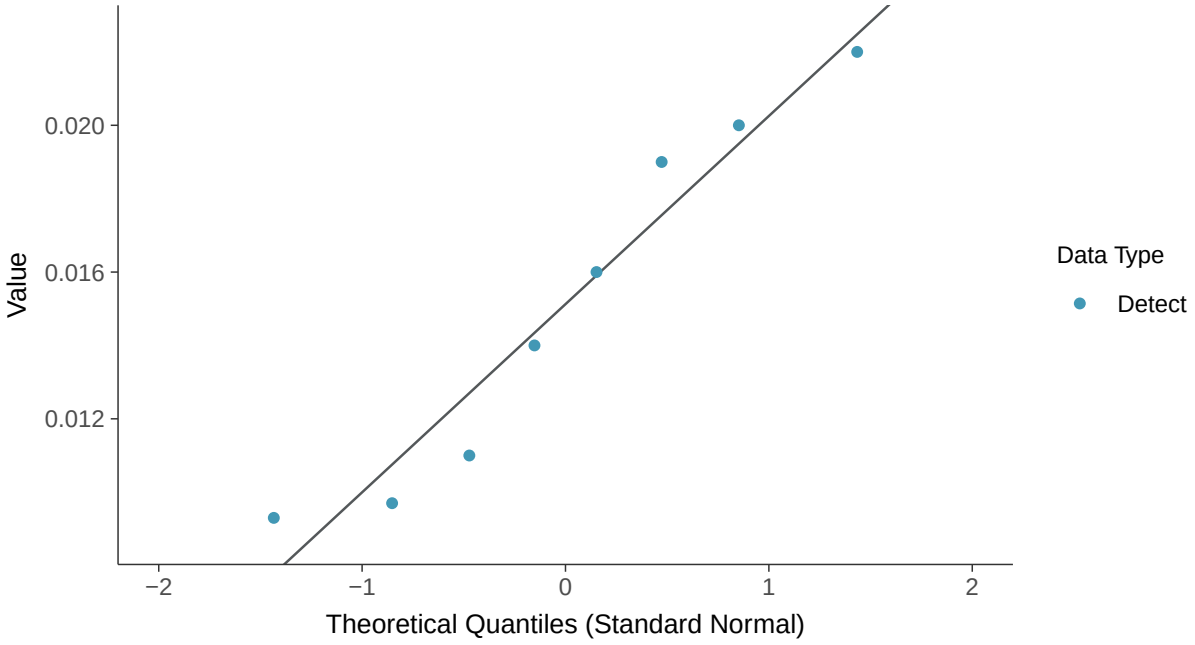
Boxplot by Season

Lithium, MW-37 (mg/L)



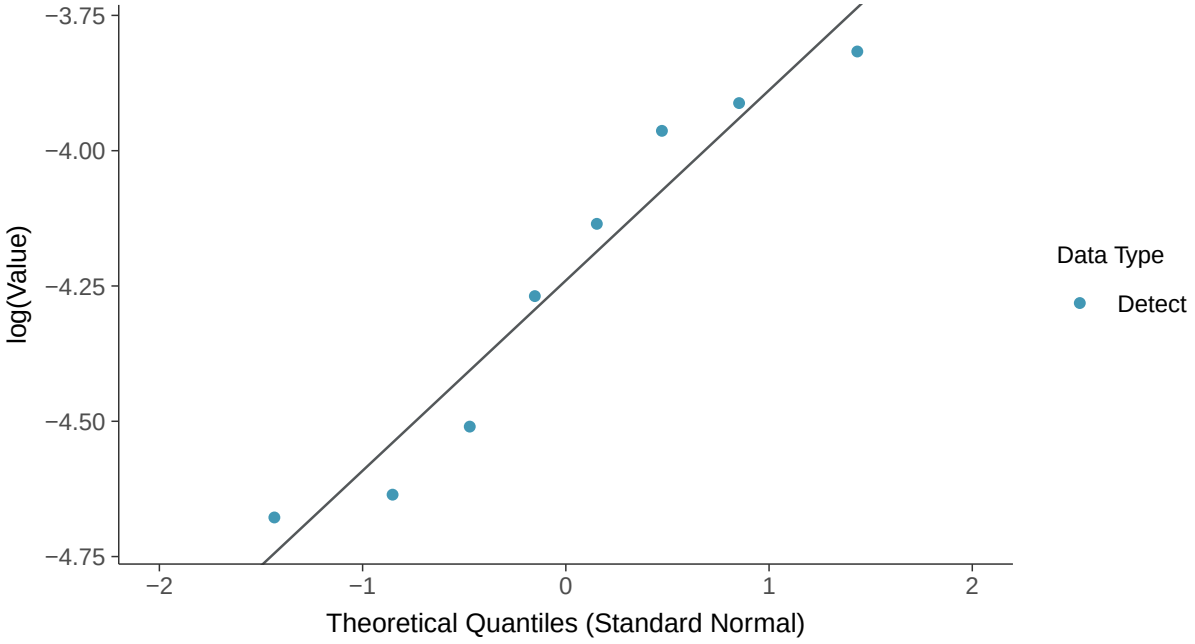
Normal Q-Q plot

Lithium, MW-37 (mg/L)



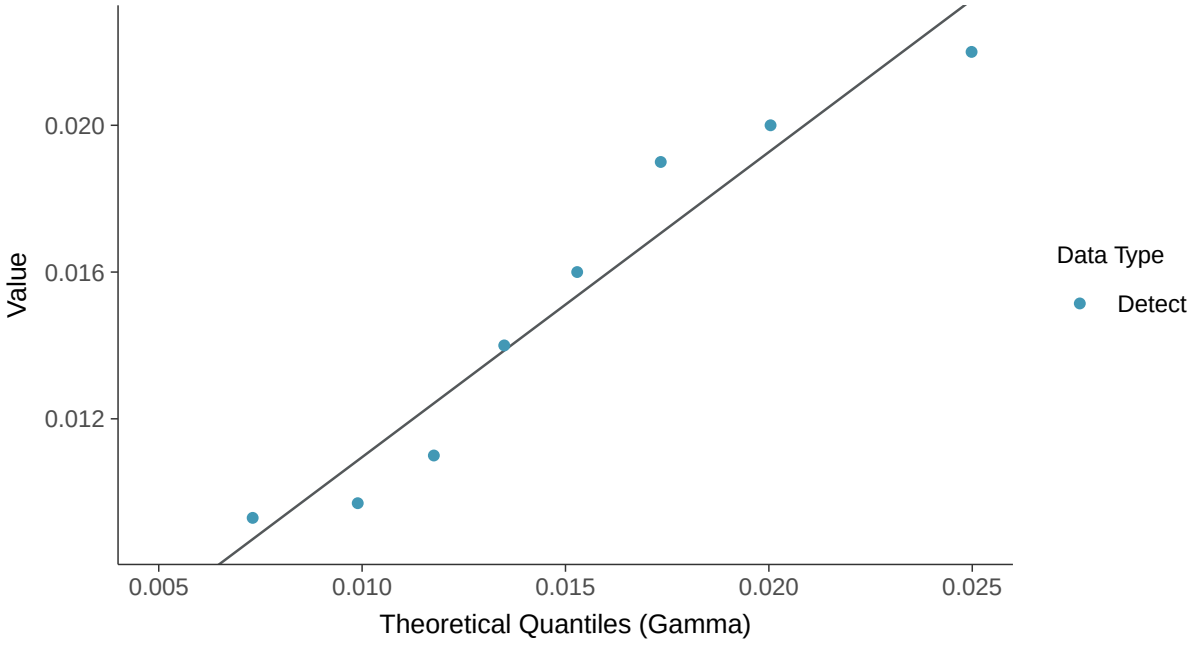
Lognormal Q-Q plot

Lithium, MW-37 (mg/L)



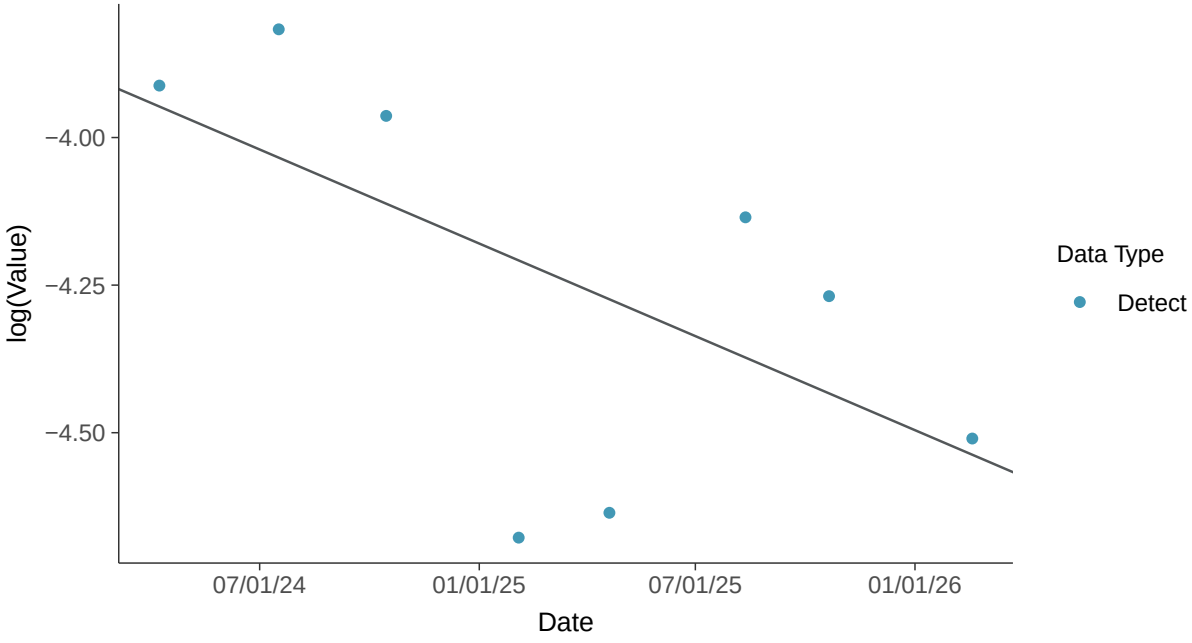
Gamma Q-Q plot

Lithium, MW-37 (mg/L)



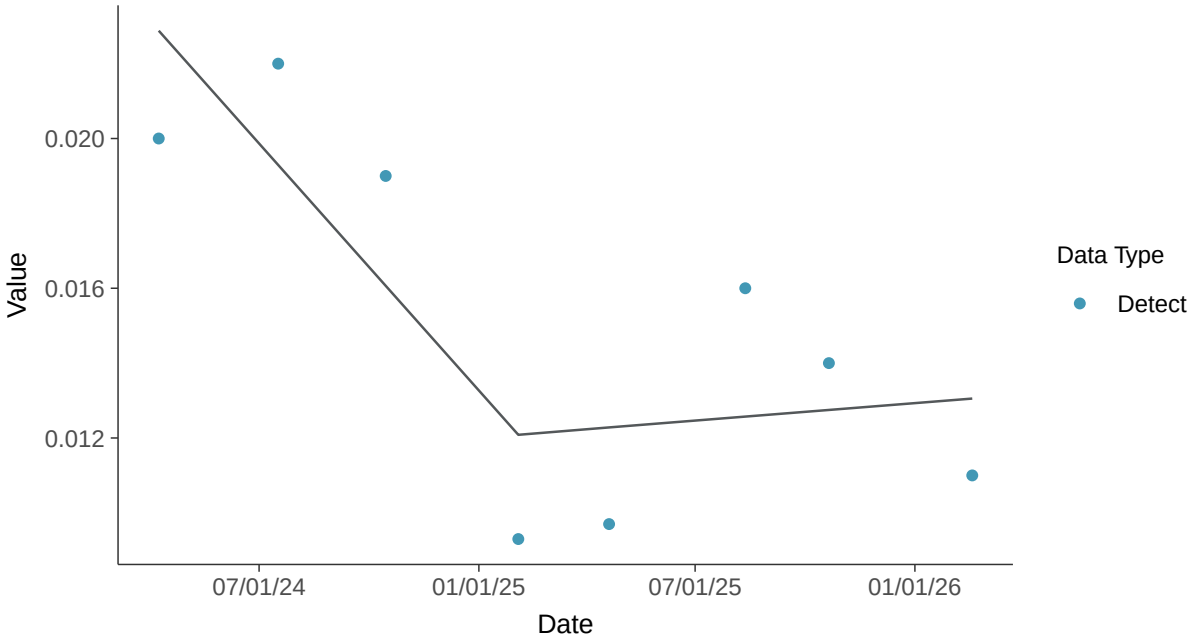
Trend Regression: Lognormal MLE

Lithium, MW-37 (mg/L)



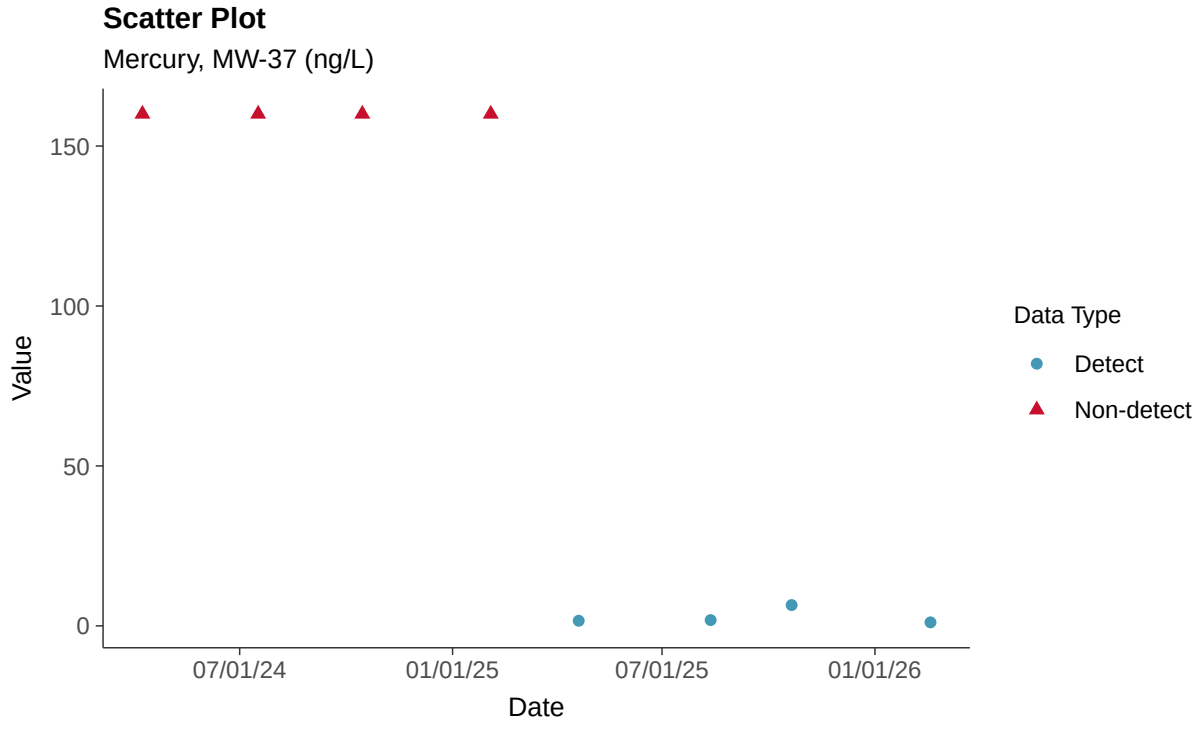
Trend Regression: Piecewise Linear-Linear

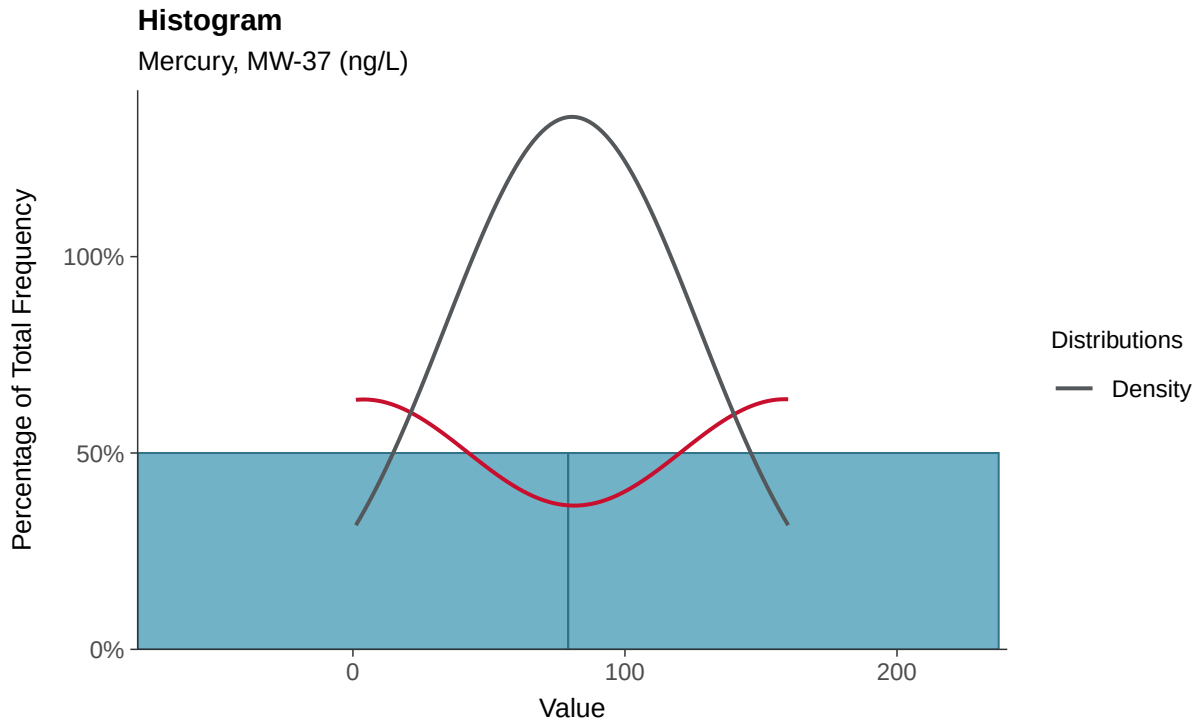
Lithium, MW-37 (mg/L)



Appendix IV: Mercury, MW-37

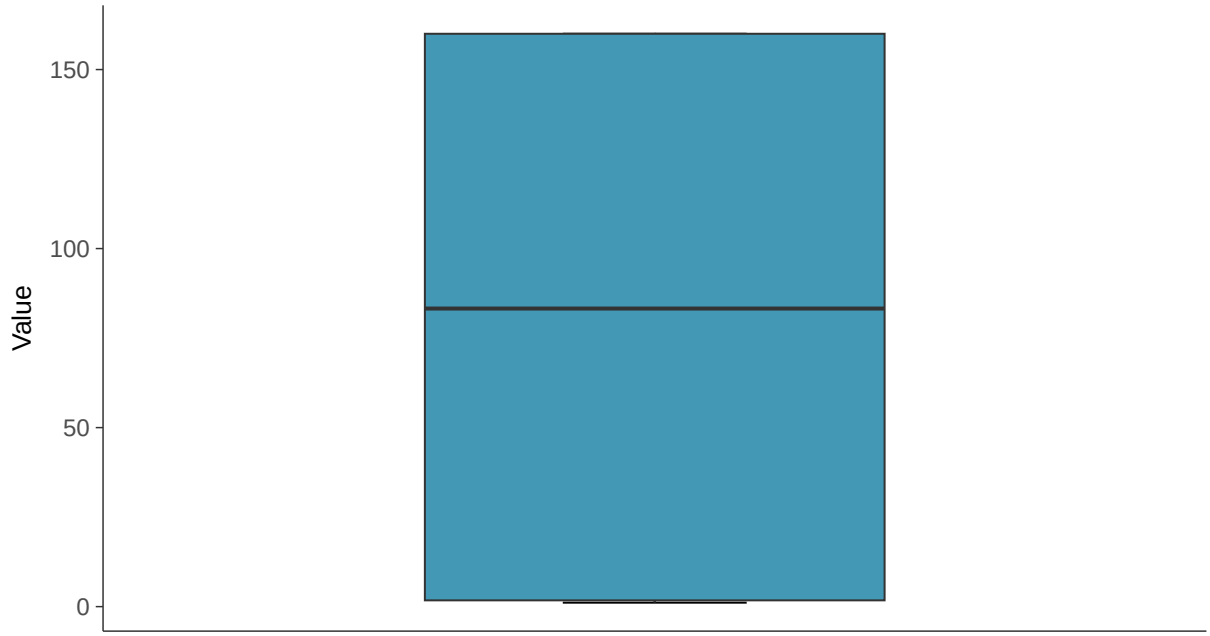
ID: 47_1_4_117





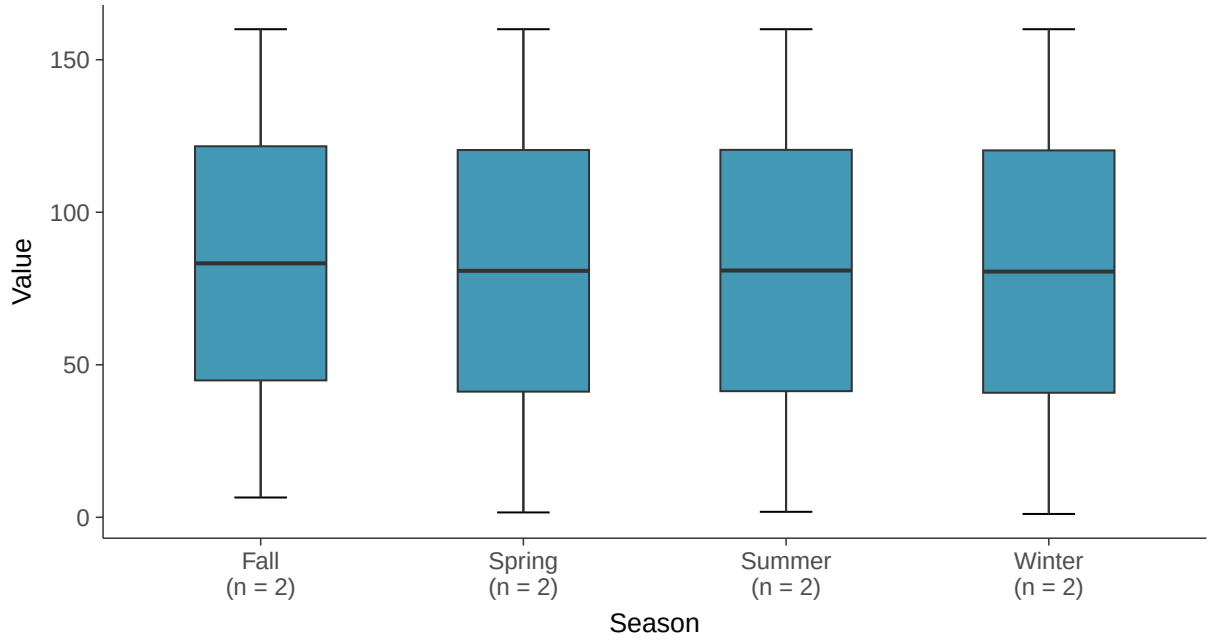
Boxplot

Mercury, MW-37 (ng/L)



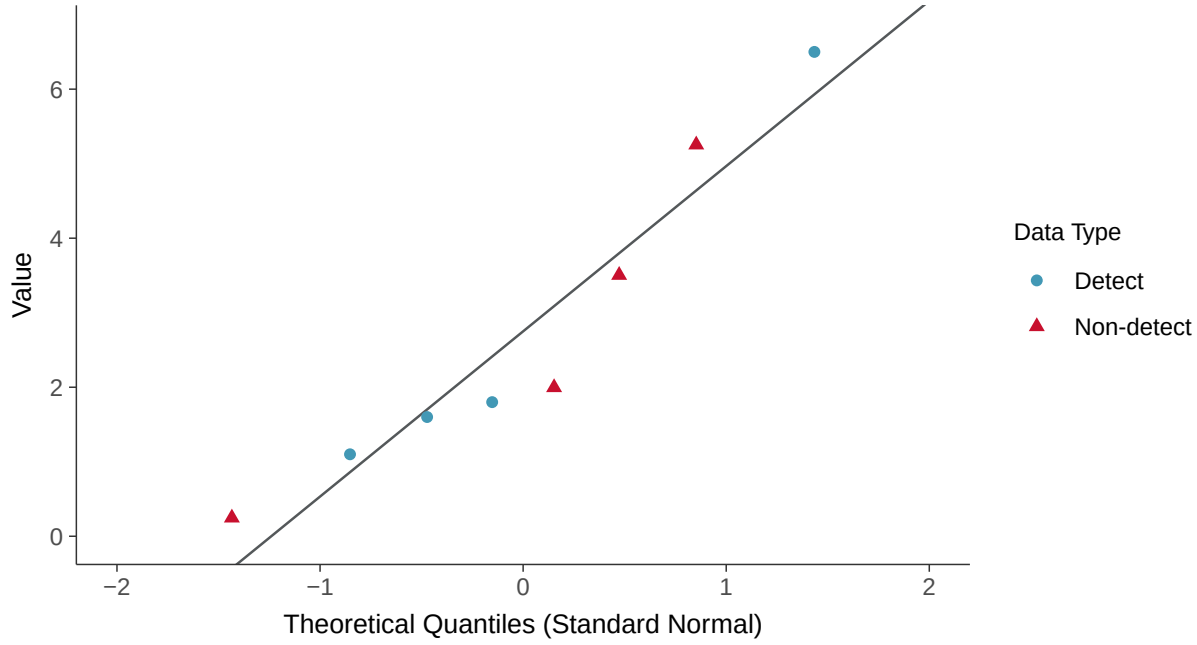
Boxplot by Season

Mercury, MW-37 (ng/L)



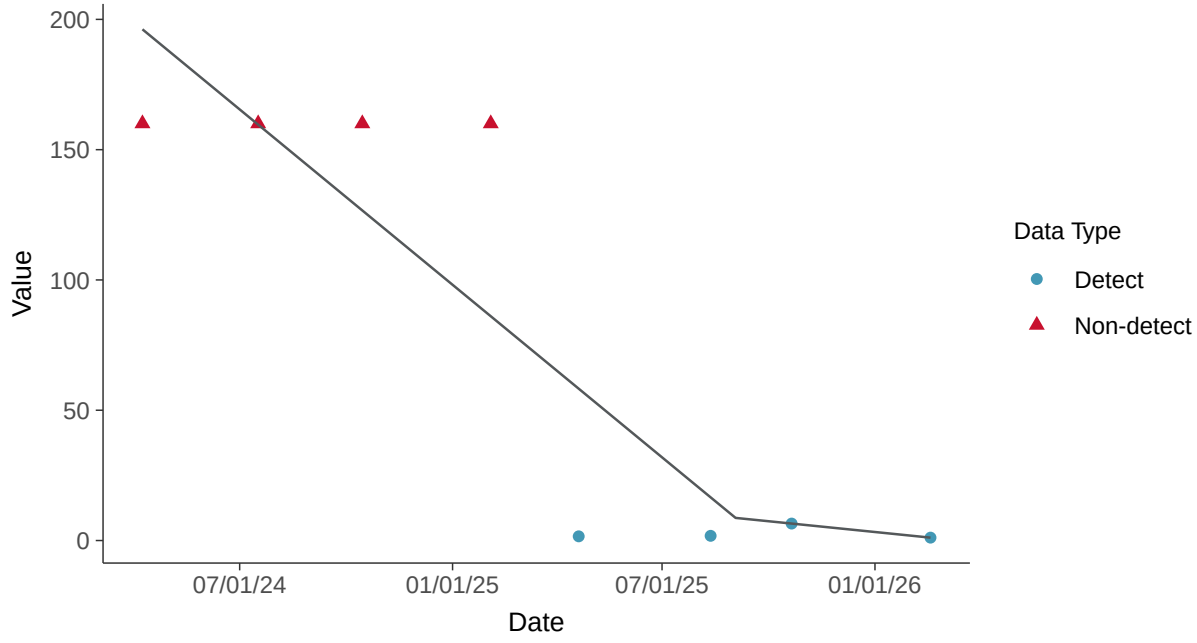
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-37 (ng/L)



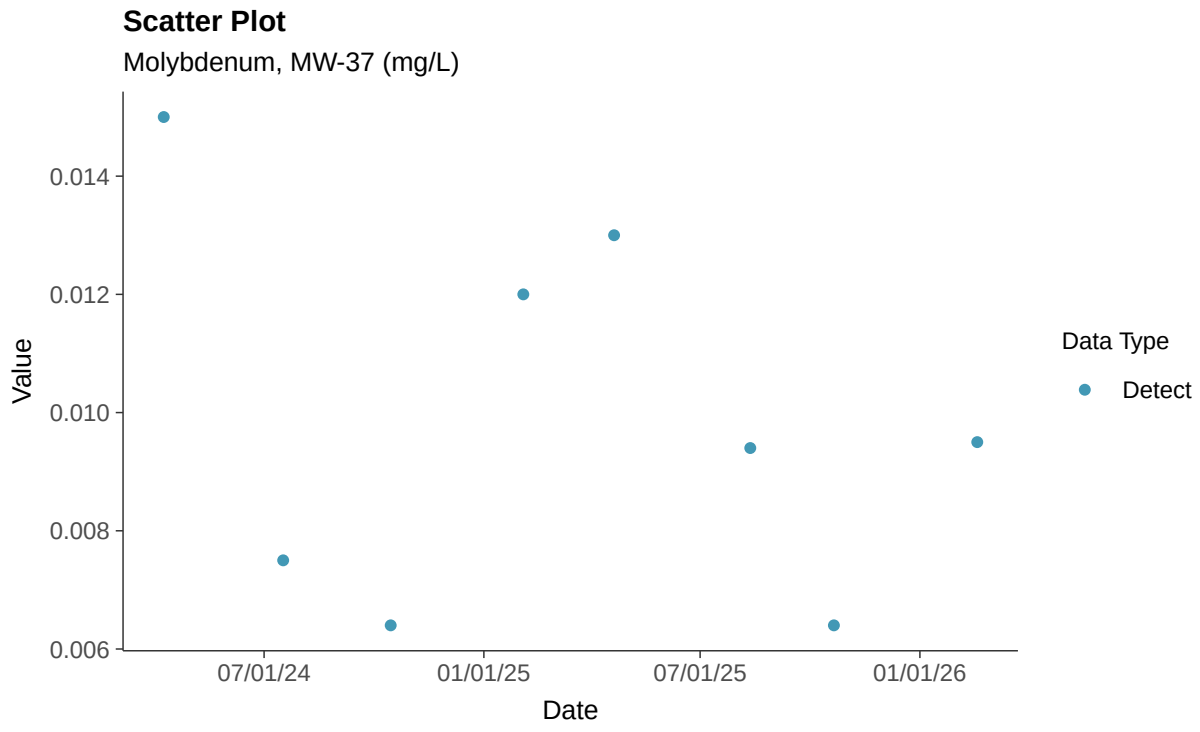
Trend Regression: Piecewise Linear-Linear

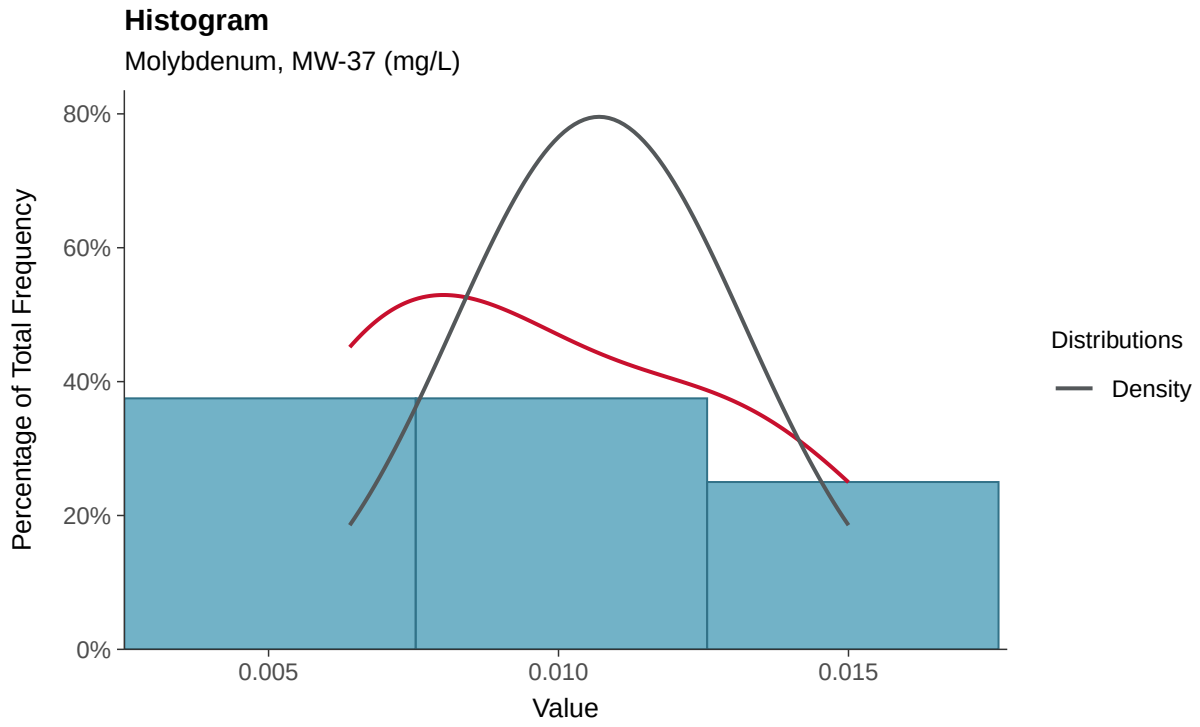
Mercury, MW-37 (ng/L)



Appendix IV: Molybdenum, MW-37

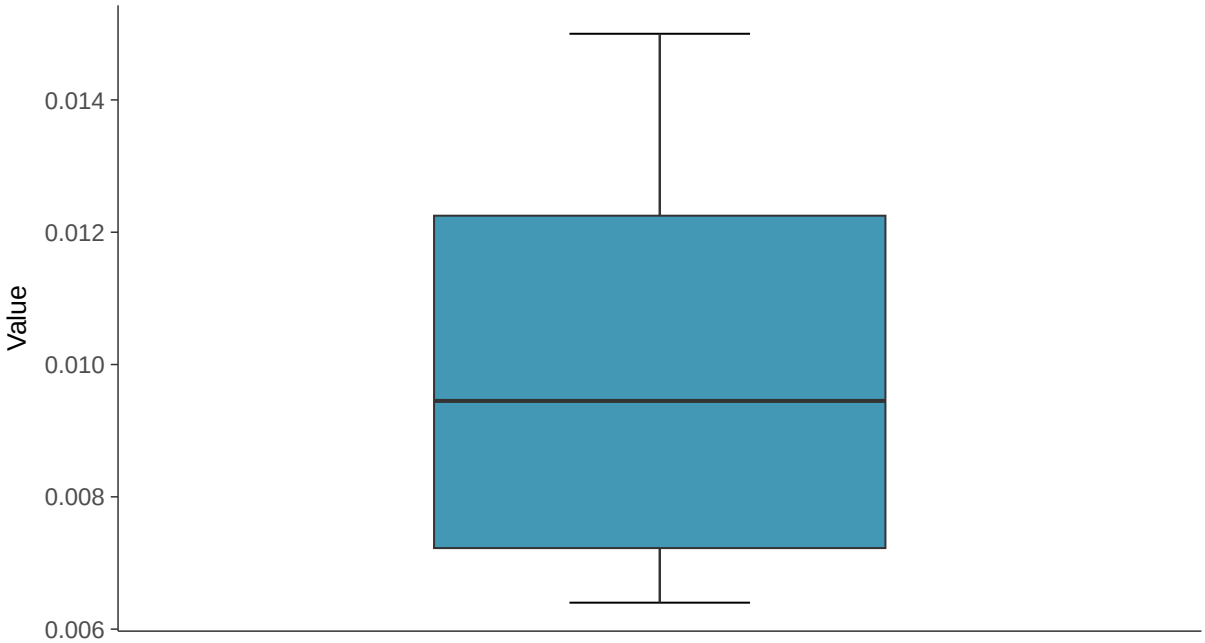
ID: 47_1_4_118





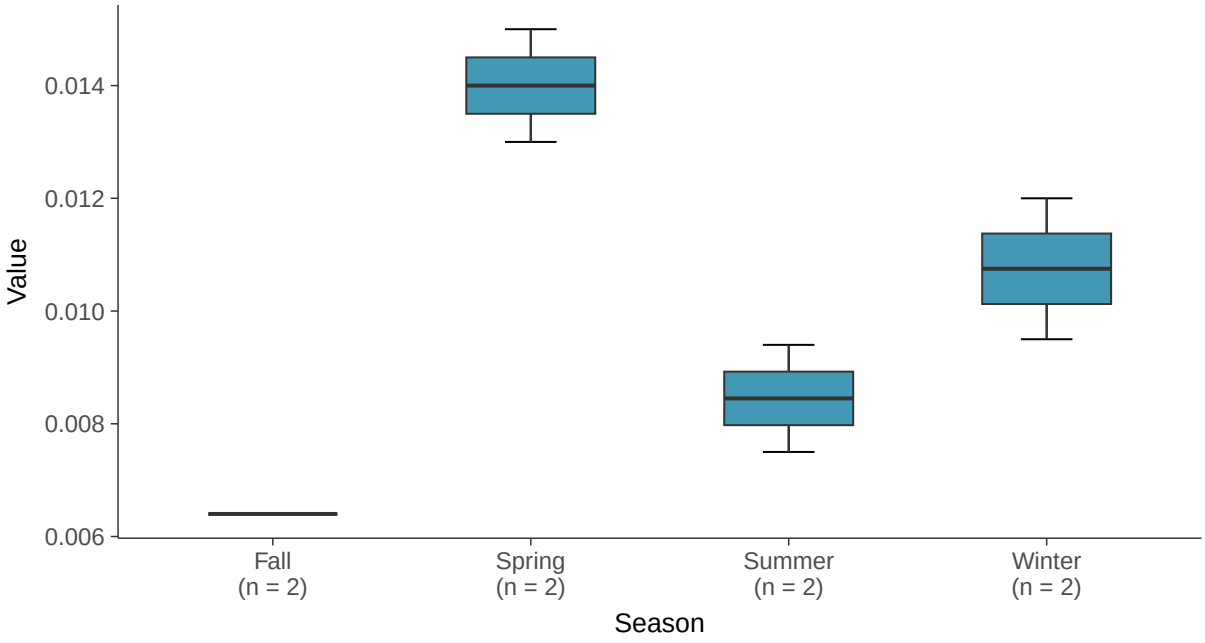
Boxplot

Molybdenum, MW-37 (mg/L)



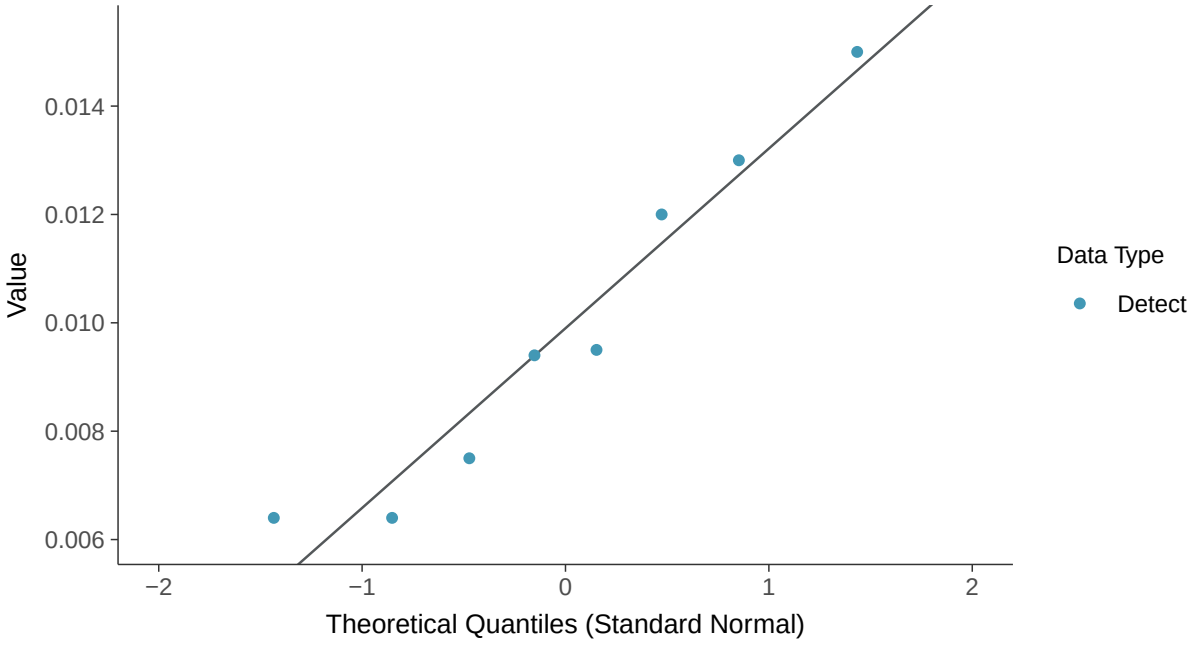
Boxplot by Season

Molybdenum, MW-37 (mg/L)



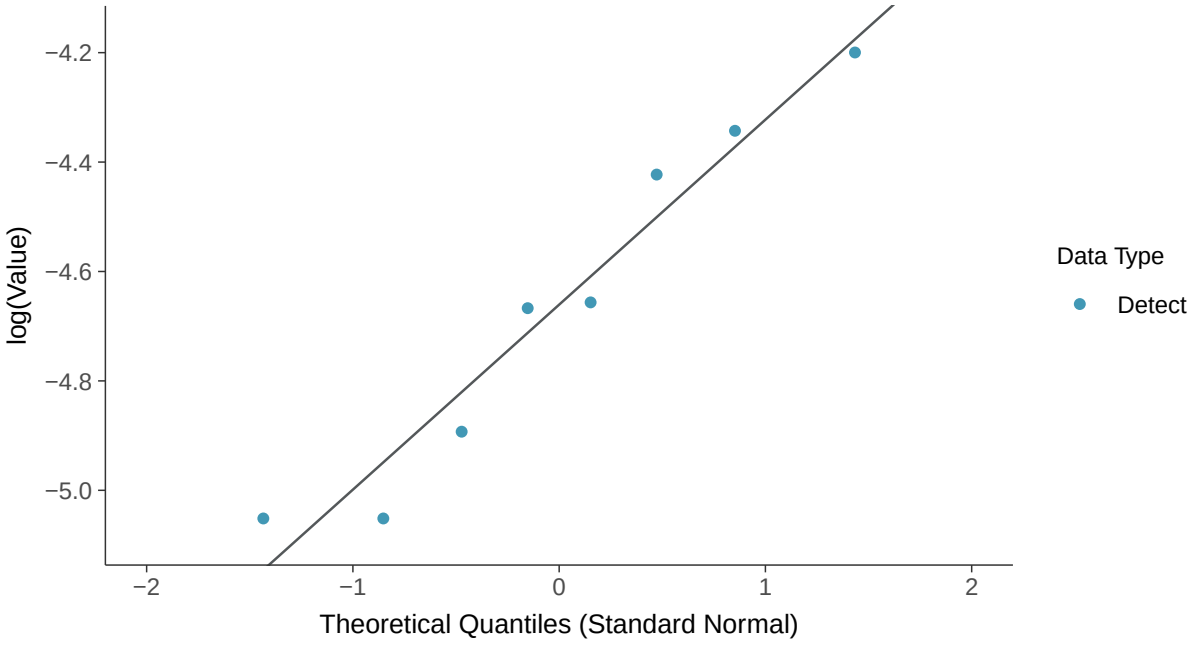
Normal Q-Q plot

Molybdenum, MW-37 (mg/L)



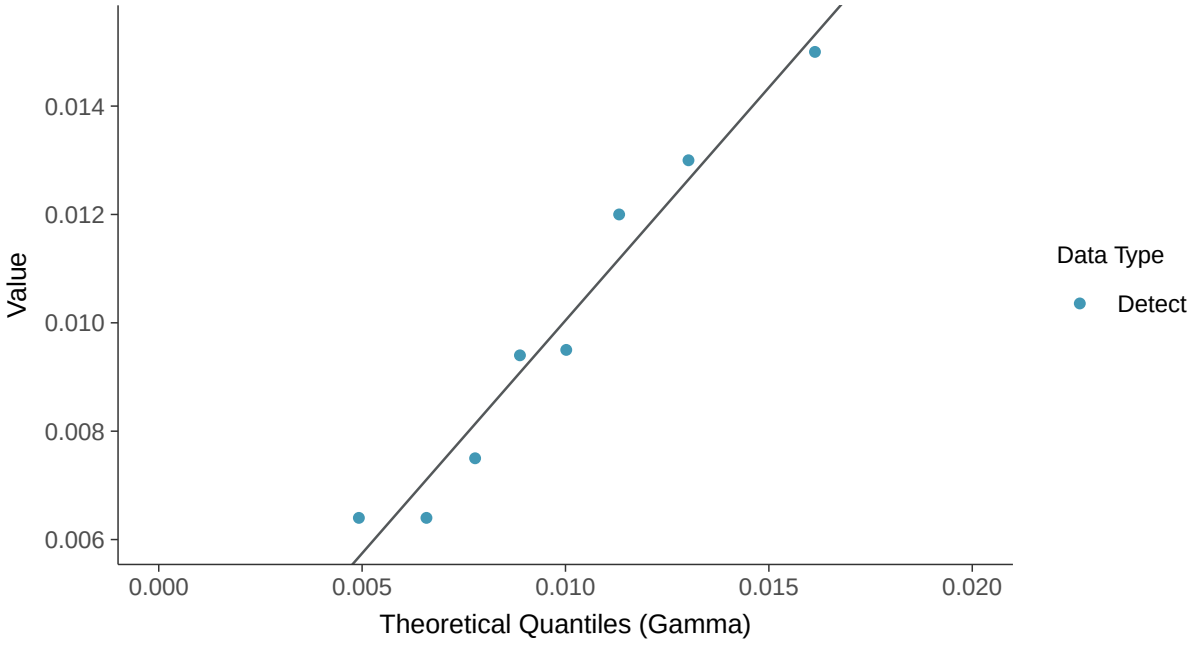
Lognormal Q-Q plot

Molybdenum, MW-37 (mg/L)



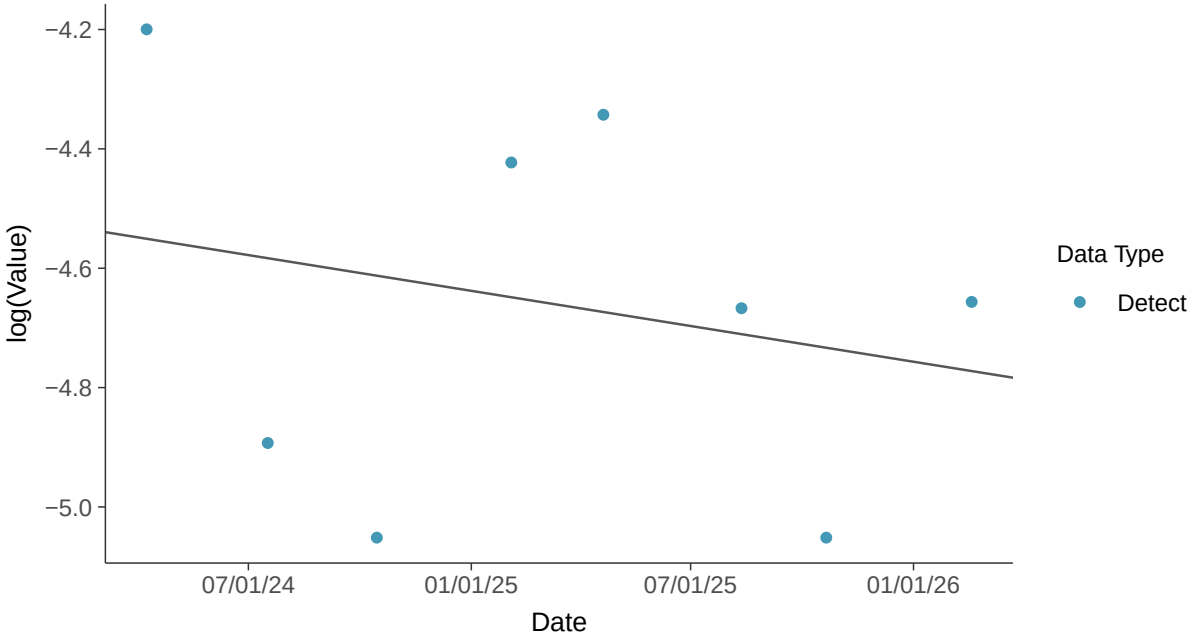
Gamma Q-Q plot

Molybdenum, MW-37 (mg/L)



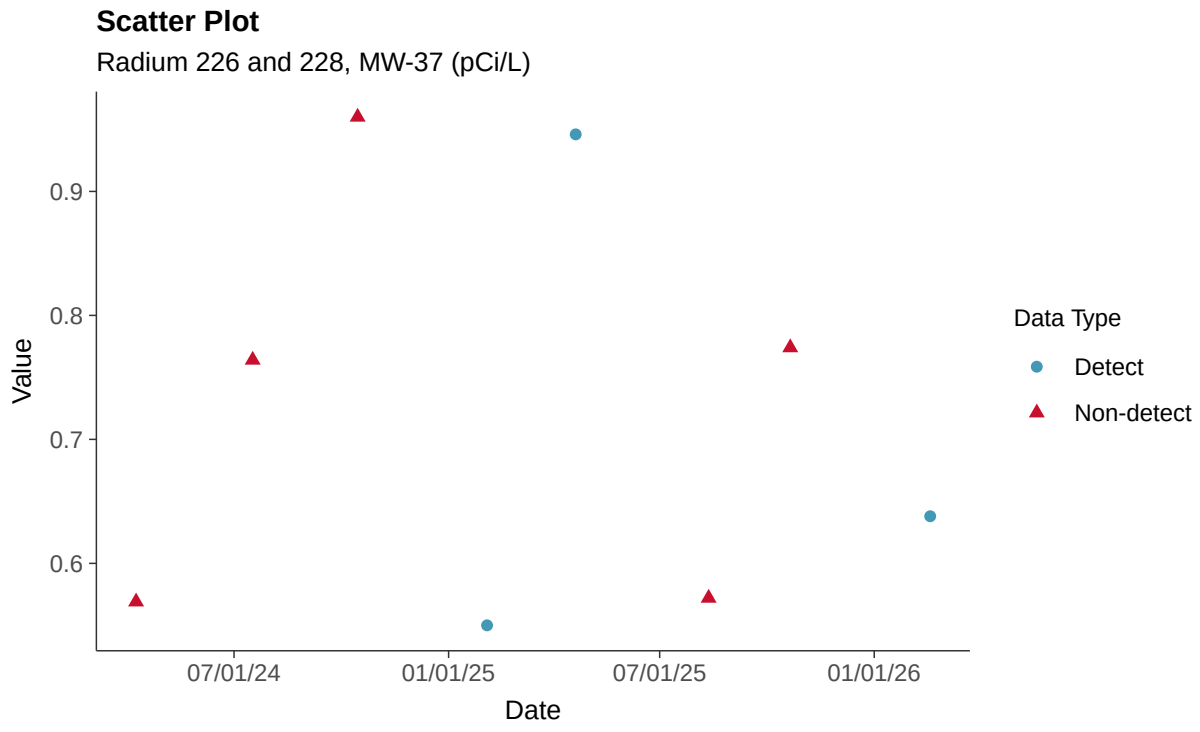
Trend Regression: Lognormal MLE

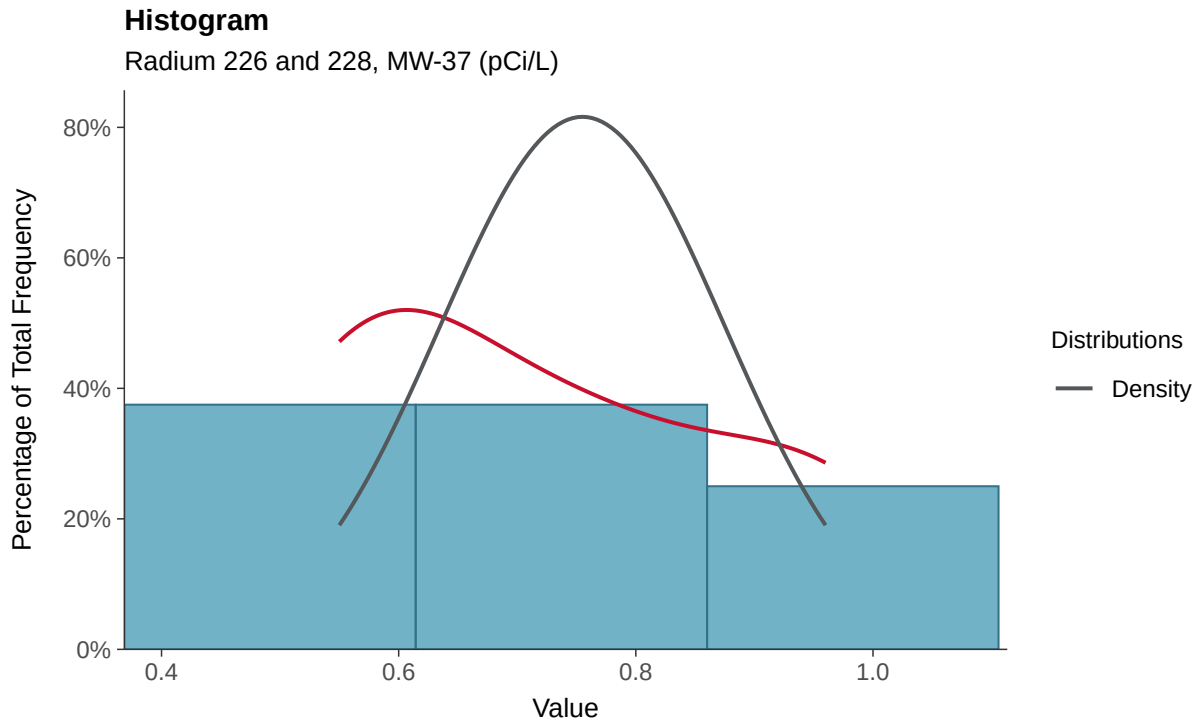
Molybdenum, MW-37 (mg/L)



Appendix IV: Radium 226 and 228, MW-37

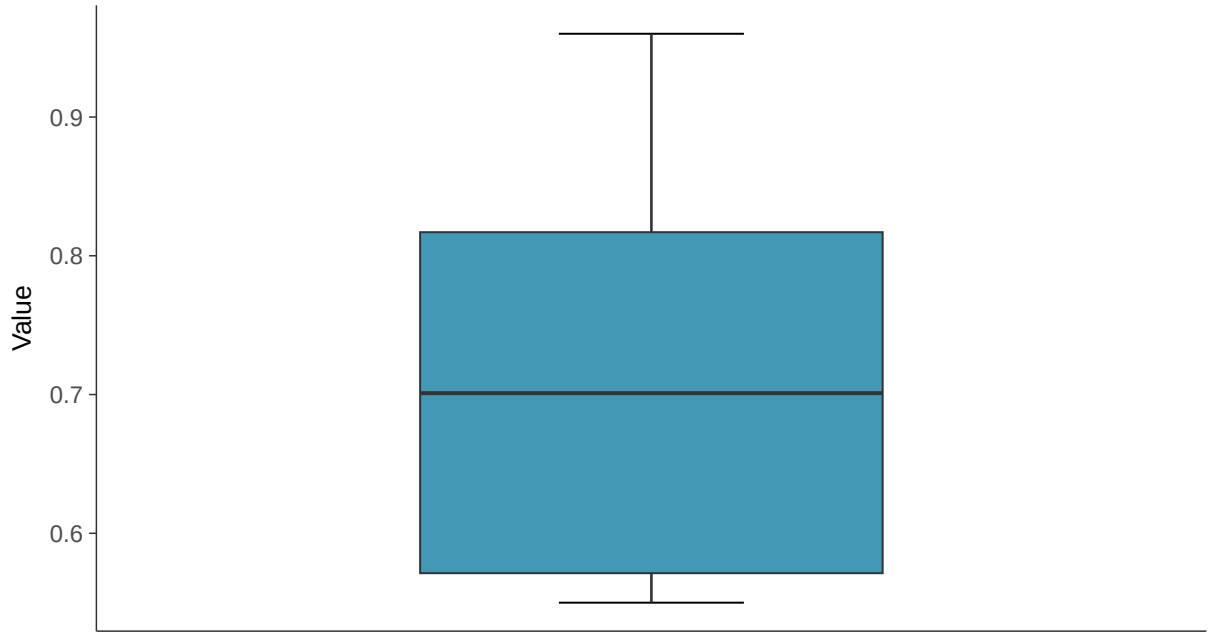
ID: 47_1_4_121





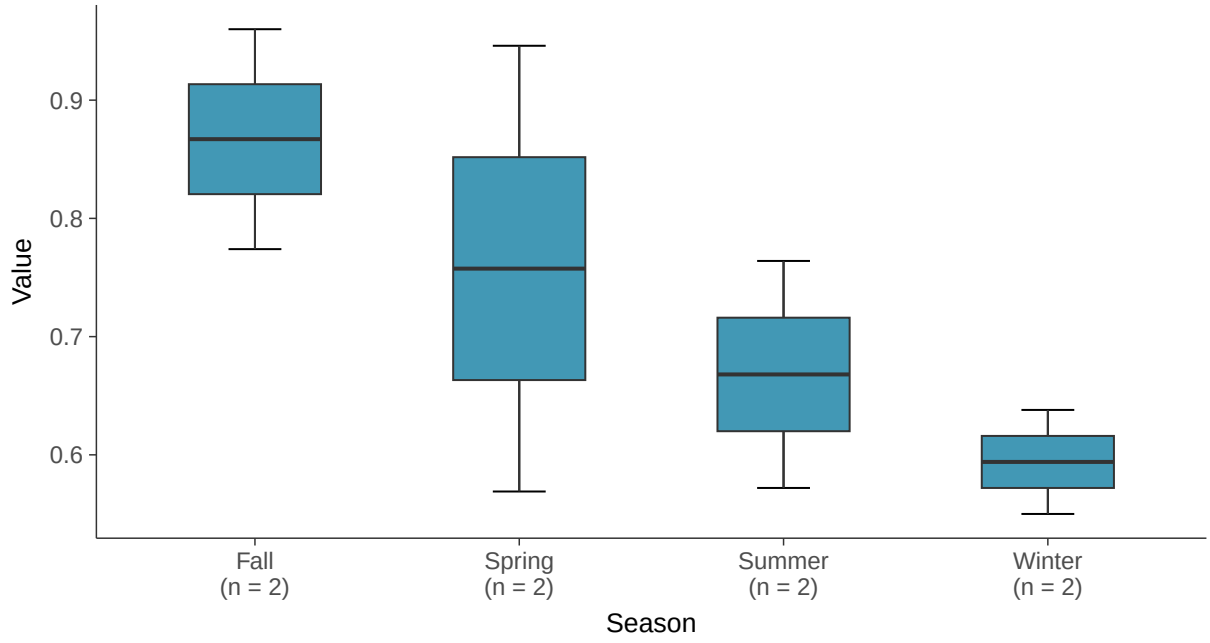
Boxplot

Radium 226 and 228, MW-37 (pCi/L)



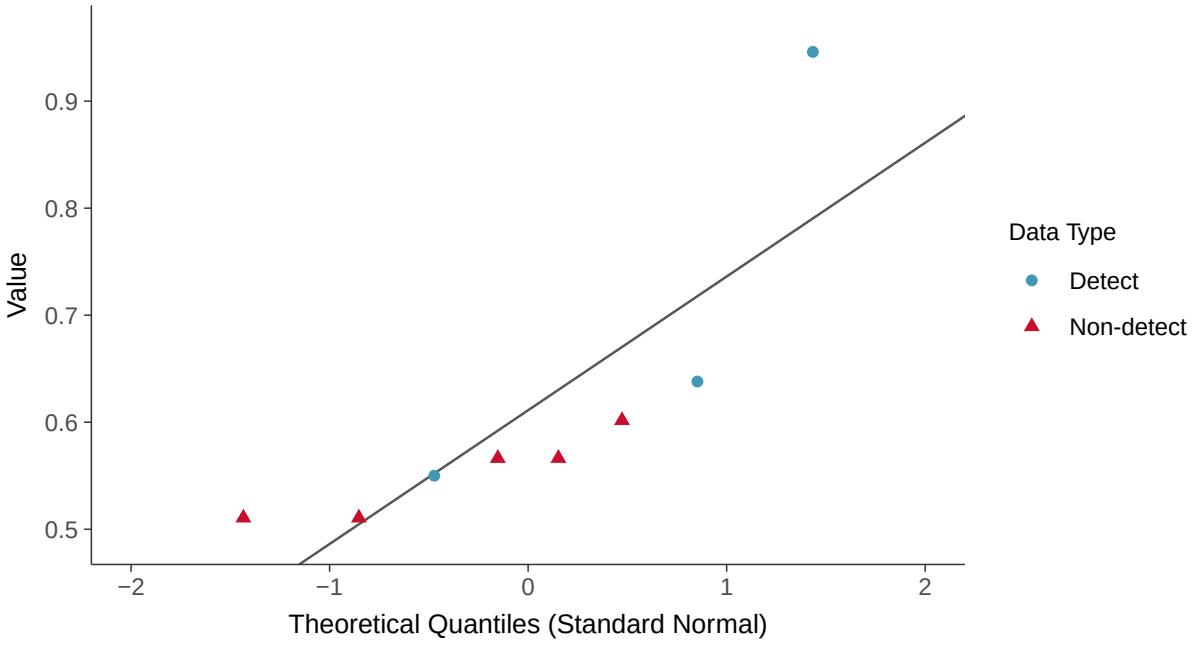
Boxplot by Season

Radium 226 and 228, MW-37 (pCi/L)



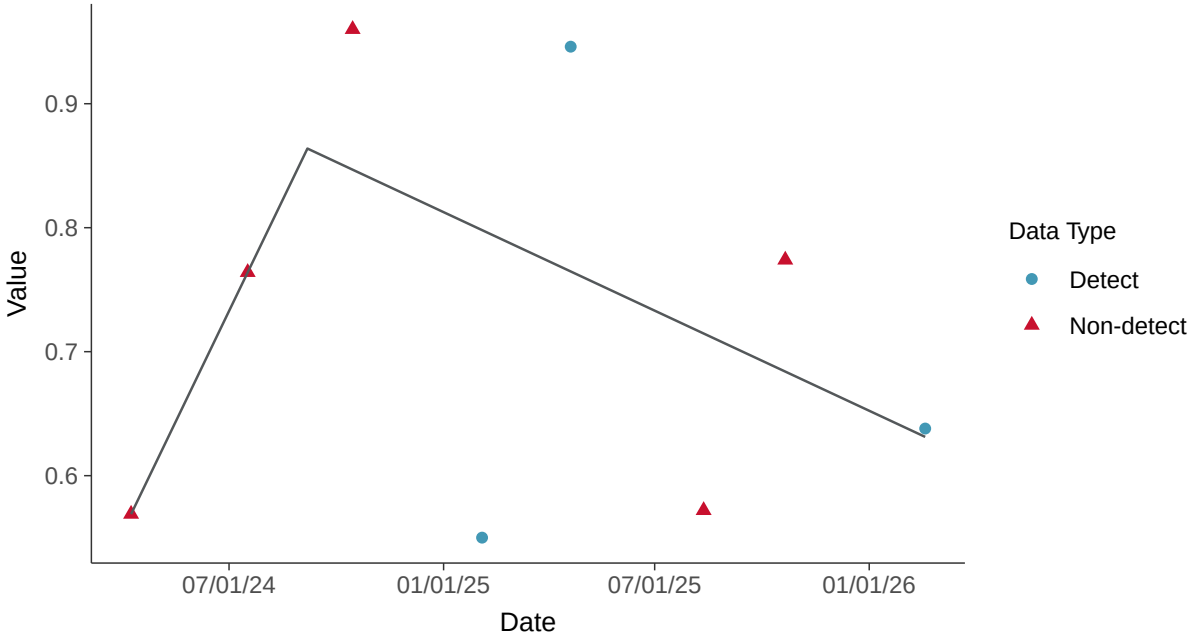
Normal Q-Q plot using ROS Imputed Estimates

Radium 226 and 228, MW-37 (pCi/L)



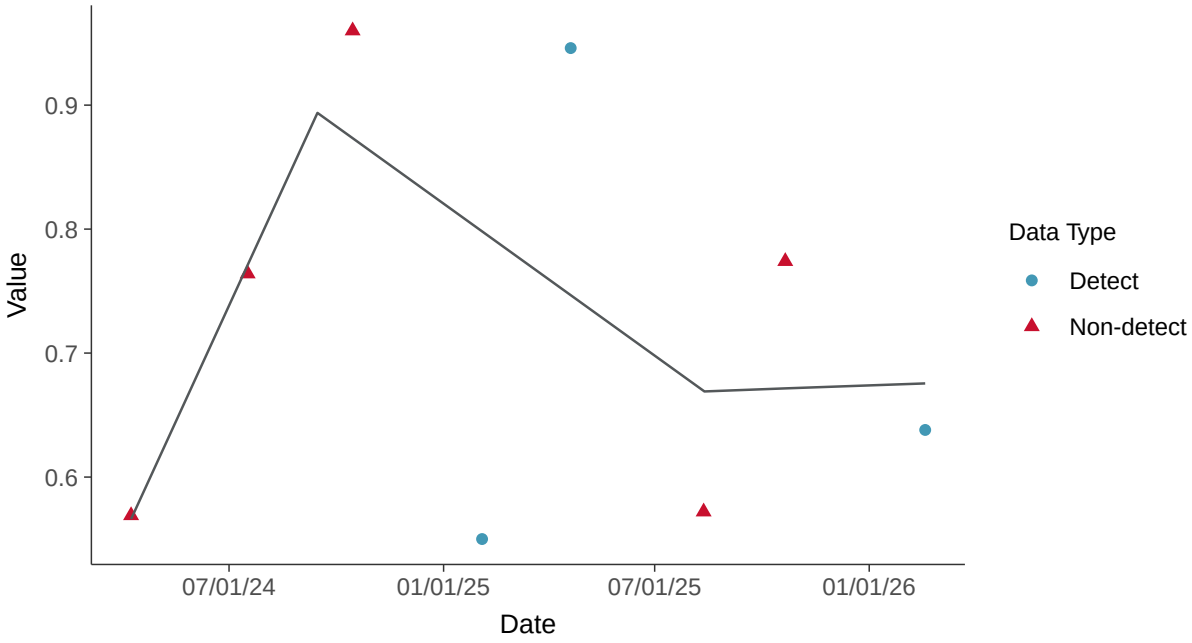
Trend Regression: Piecewise Linear-Linear

Radium 226 and 228, MW-37 (pCi/L)



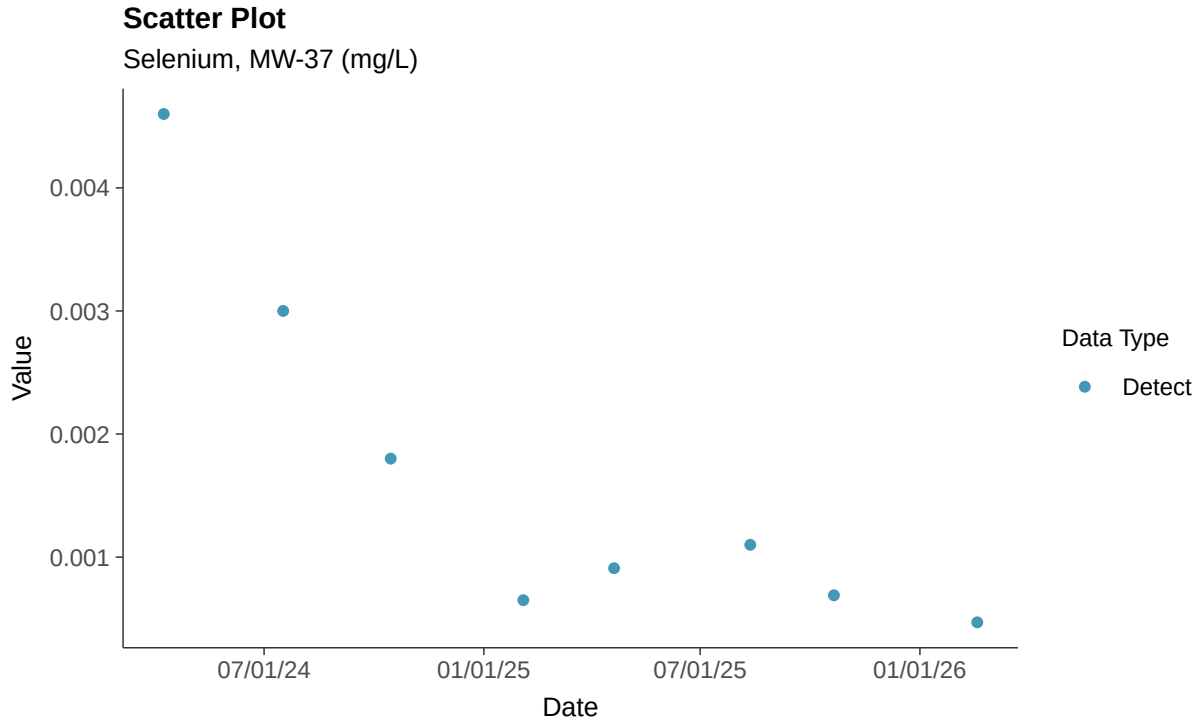
Trend Regression: Piecewise Linear-Linear-Linear

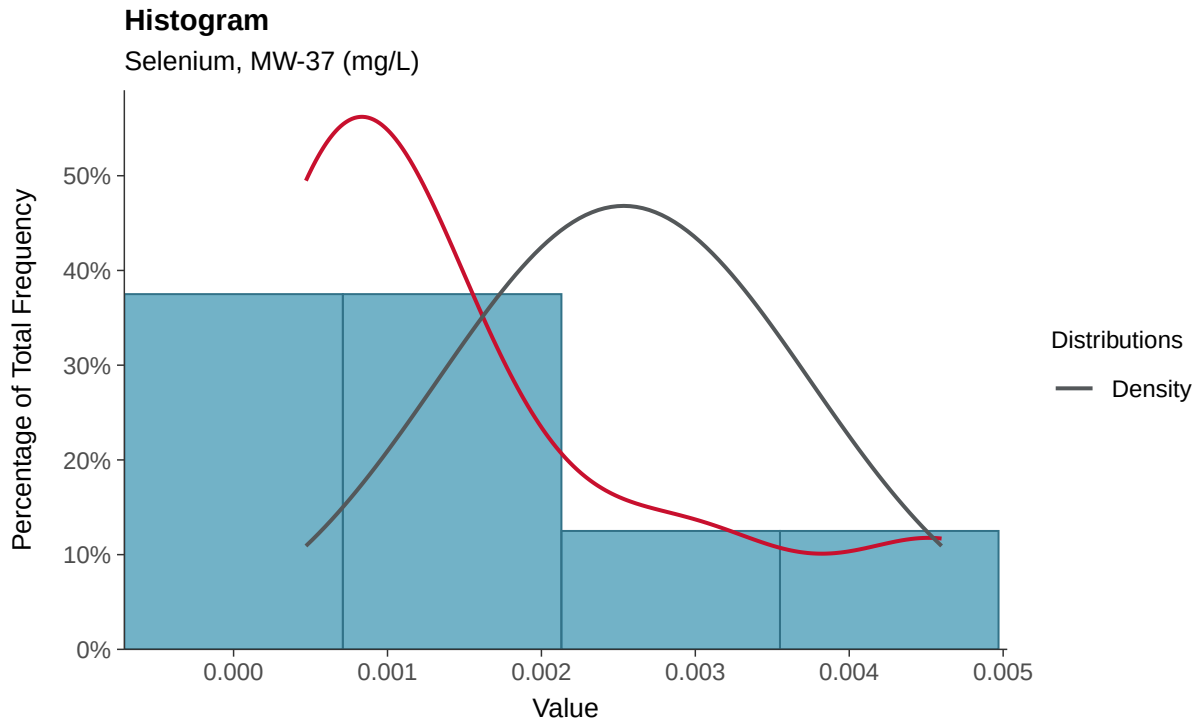
Radium 226 and 228, MW-37 (pCi/L)



Appendix IV: Selenium, MW-37

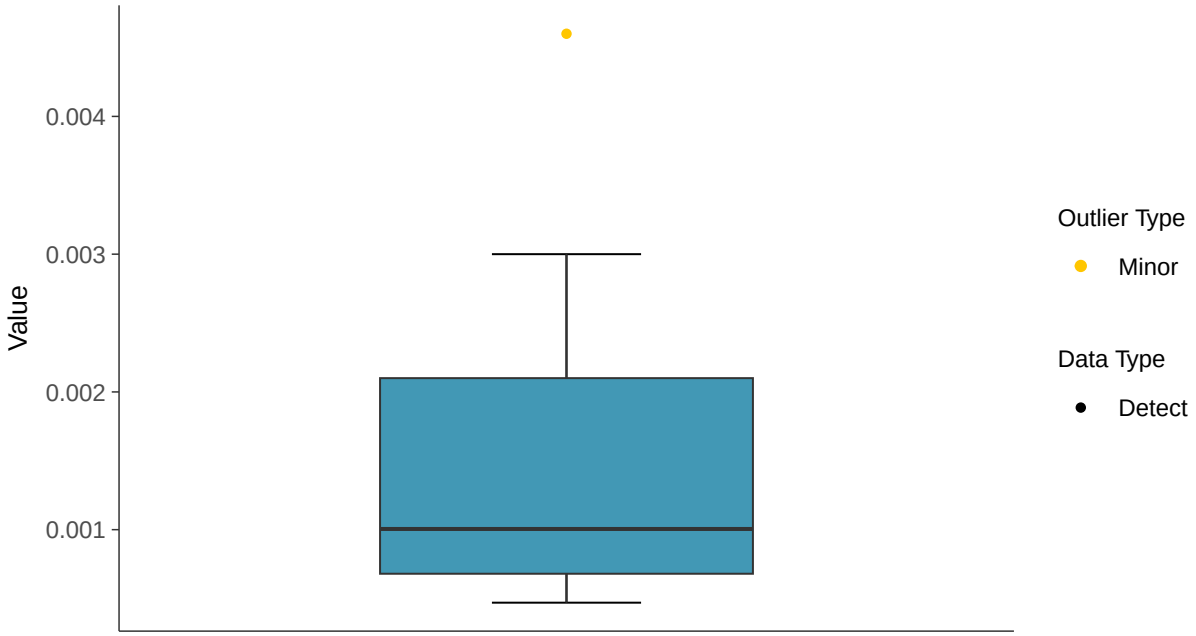
ID: 47_1_4_122





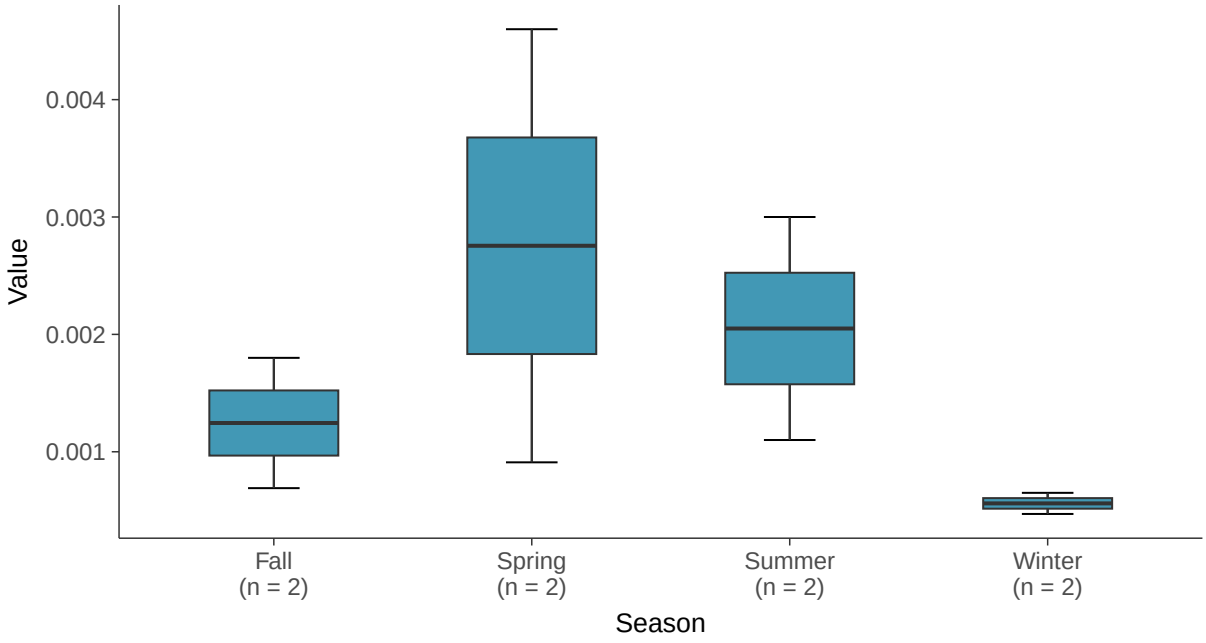
Boxplot

Selenium, MW-37 (mg/L)



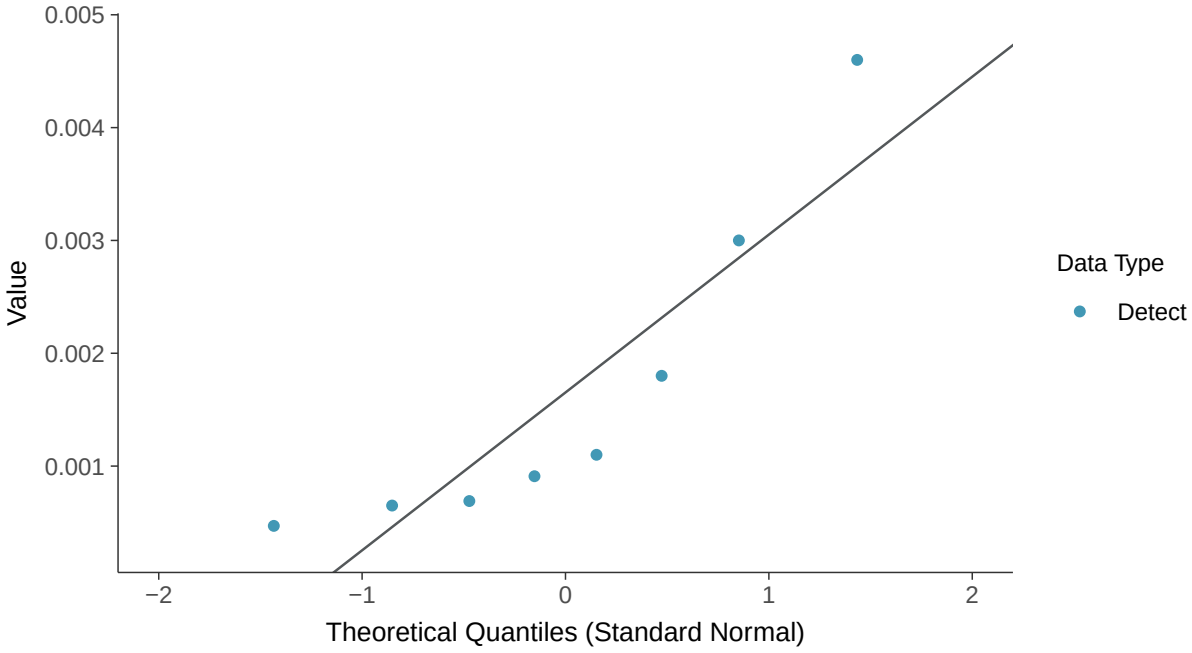
Boxplot by Season

Selenium, MW-37 (mg/L)



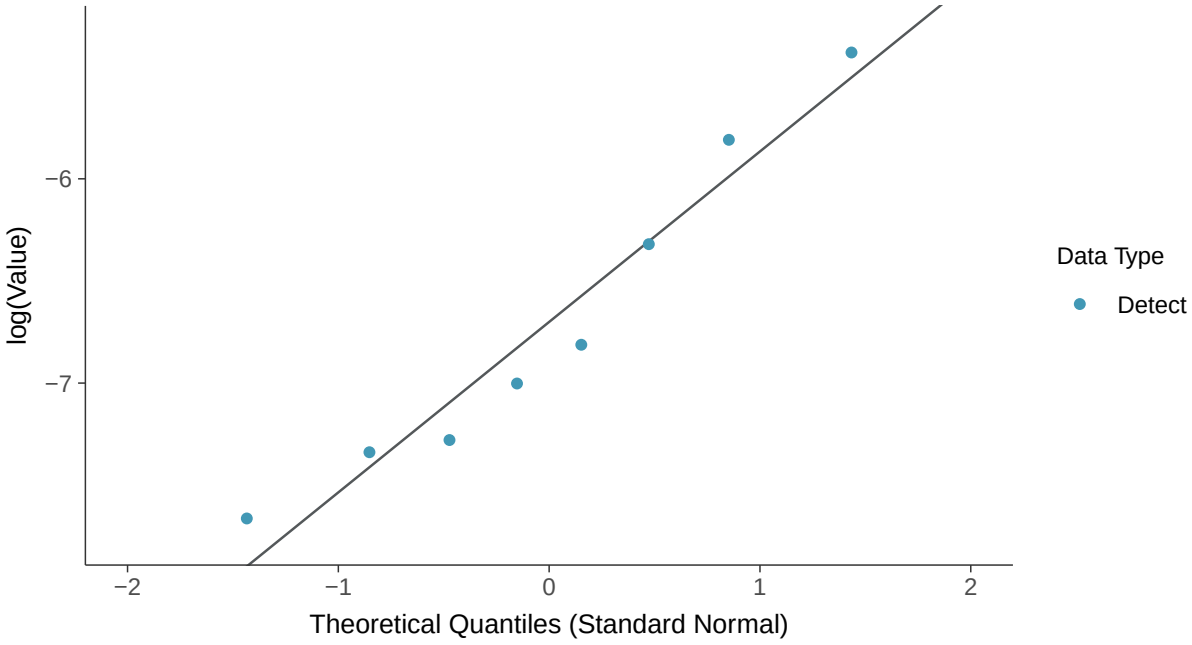
Normal Q-Q plot

Selenium, MW-37 (mg/L)



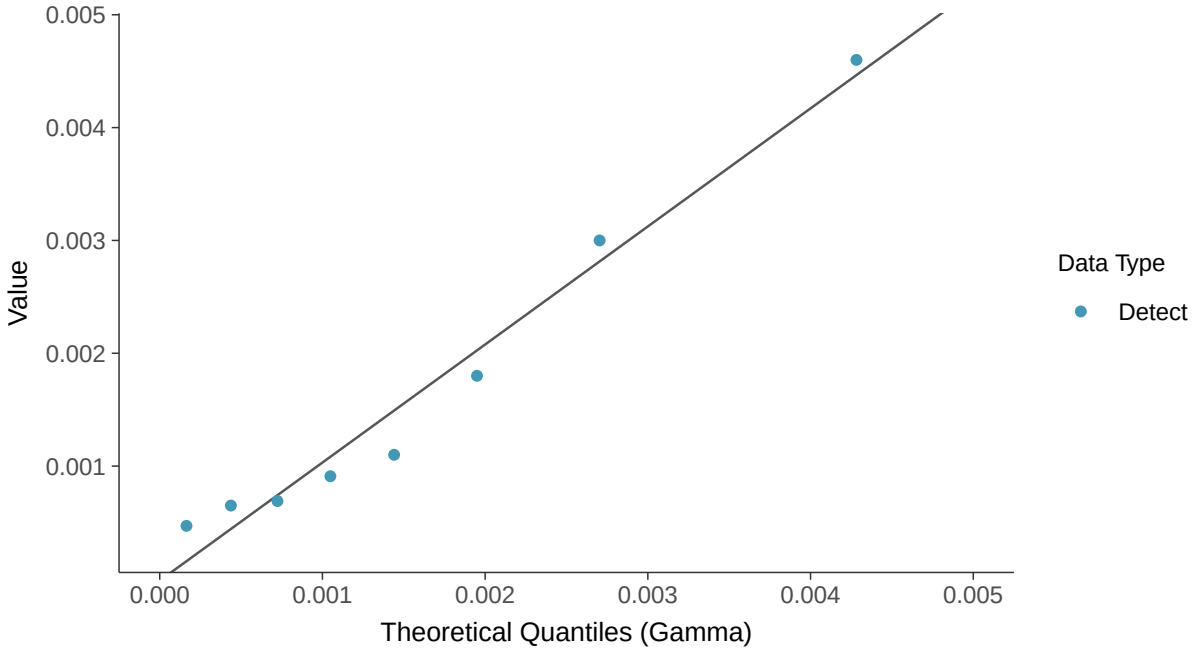
Lognormal Q-Q plot

Selenium, MW-37 (mg/L)



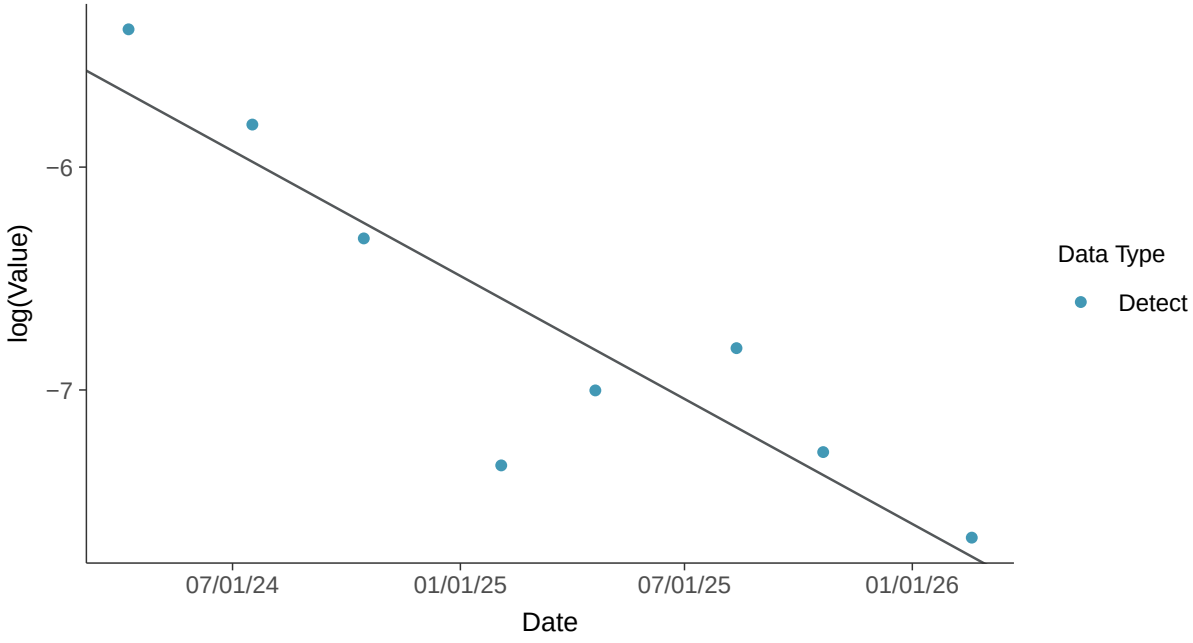
Gamma Q-Q plot

Selenium, MW-37 (mg/L)



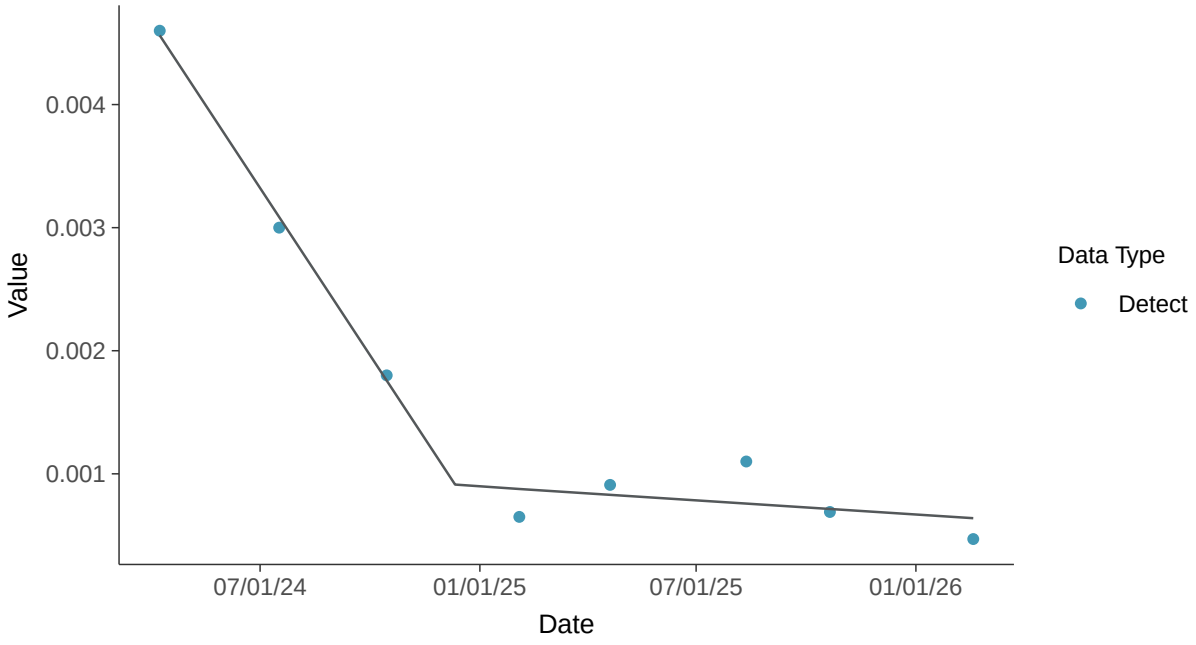
Trend Regression: Lognormal MLE

Selenium, MW-37 (mg/L)



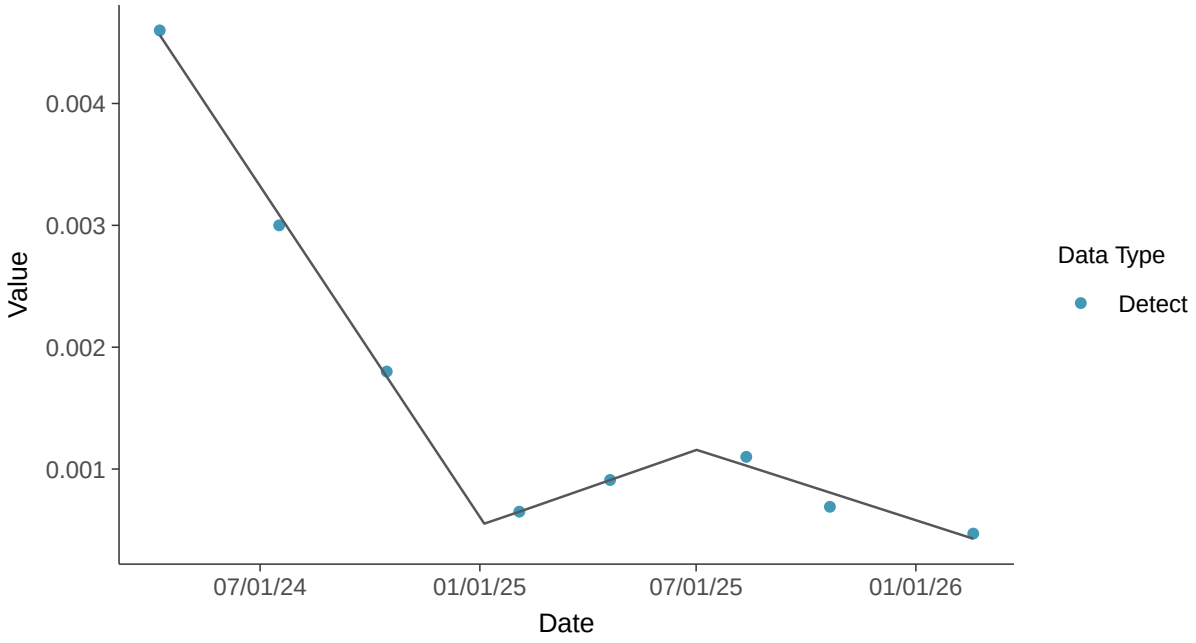
Trend Regression: Piecewise Linear-Linear

Selenium, MW-37 (mg/L)



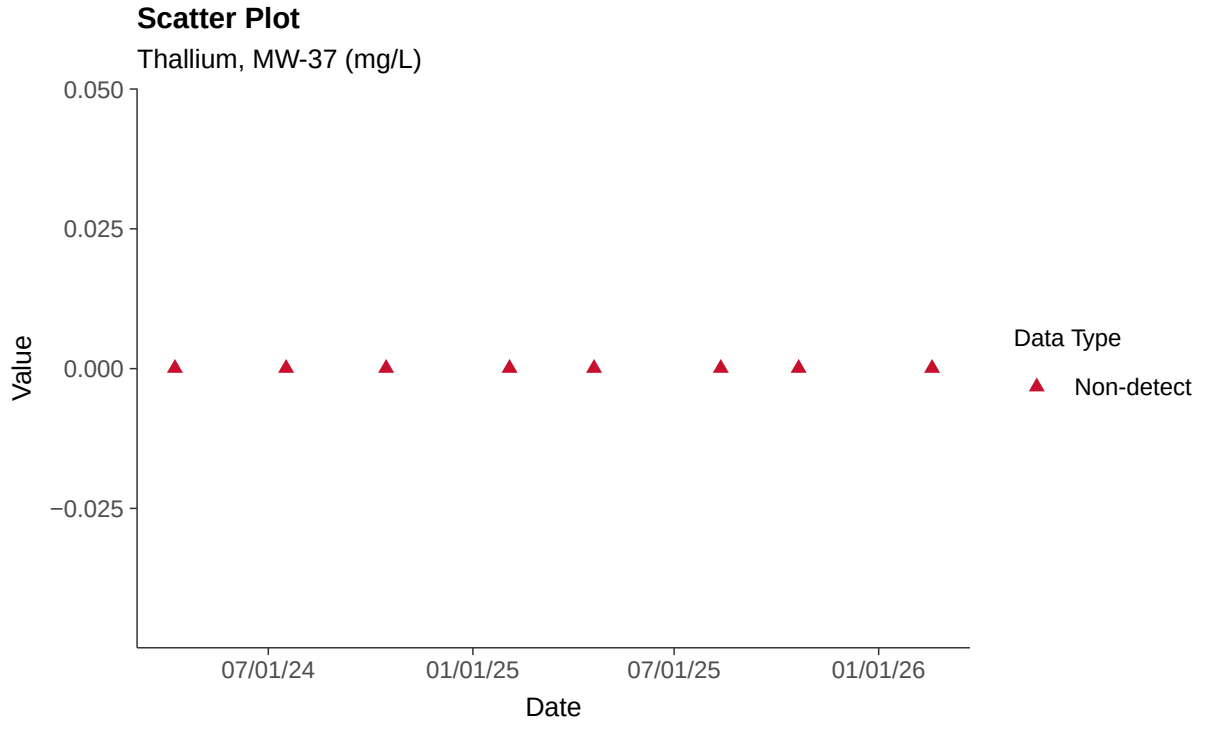
Trend Regression: Piecewise Linear-Linear-Linear

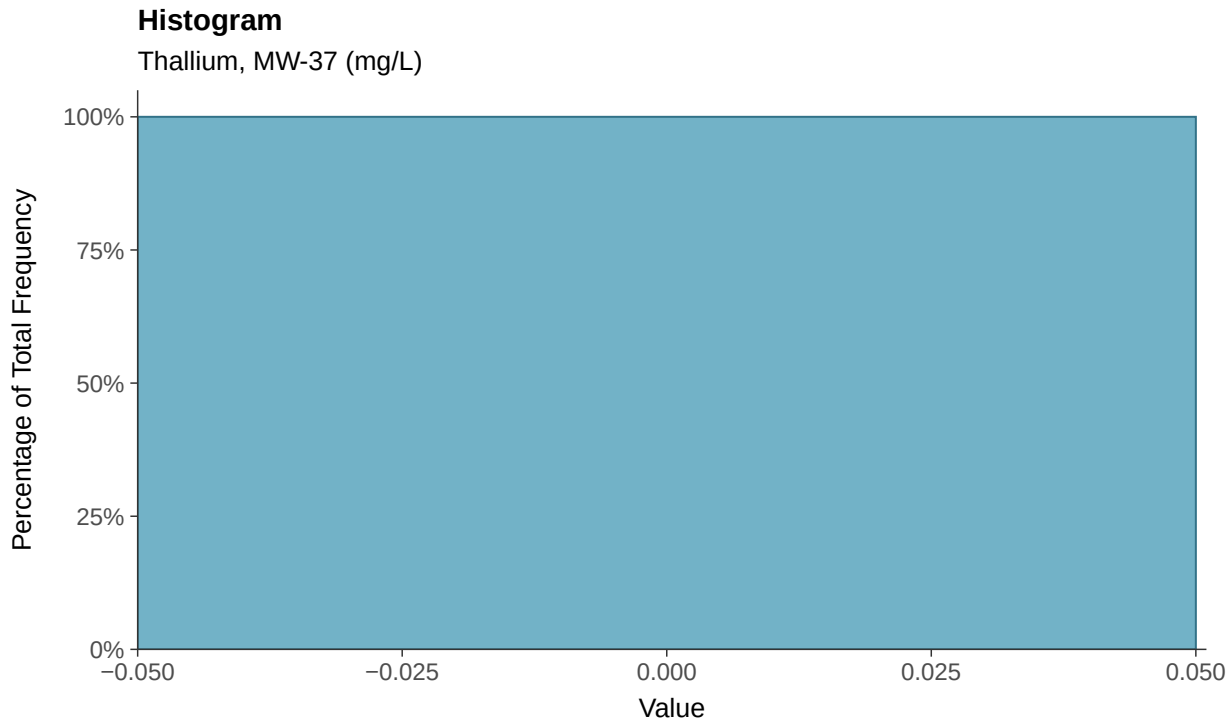
Selenium, MW-37 (mg/L)



Appendix IV: Thallium, MW-37

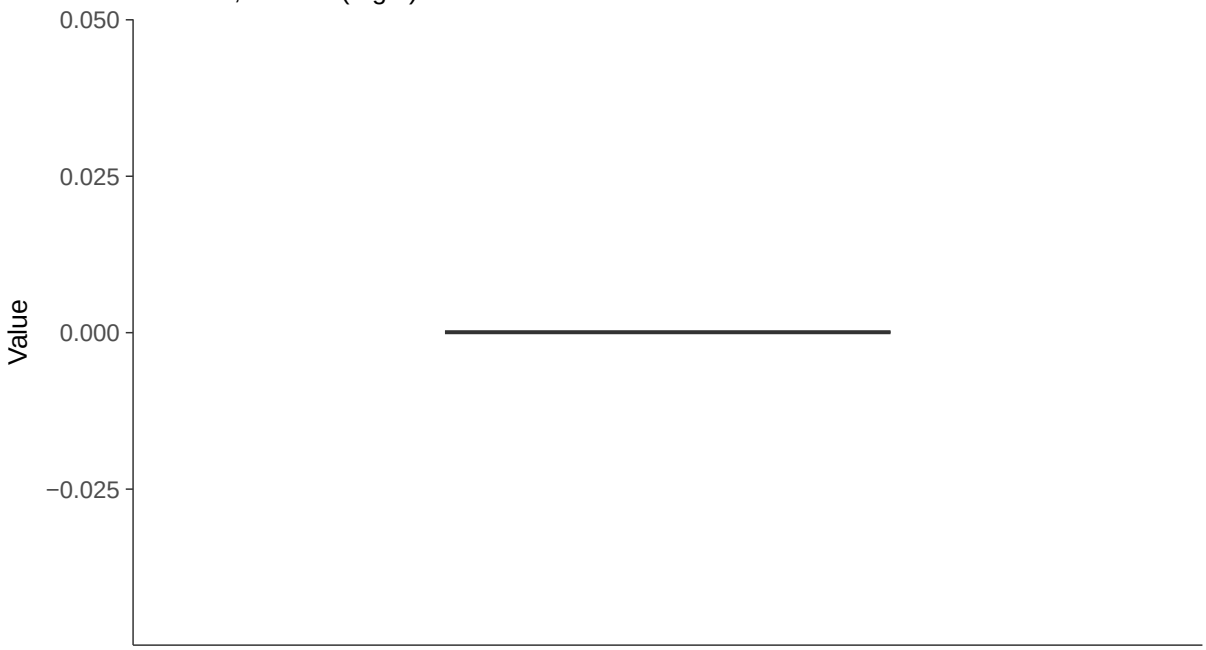
ID: 47_1_4_125





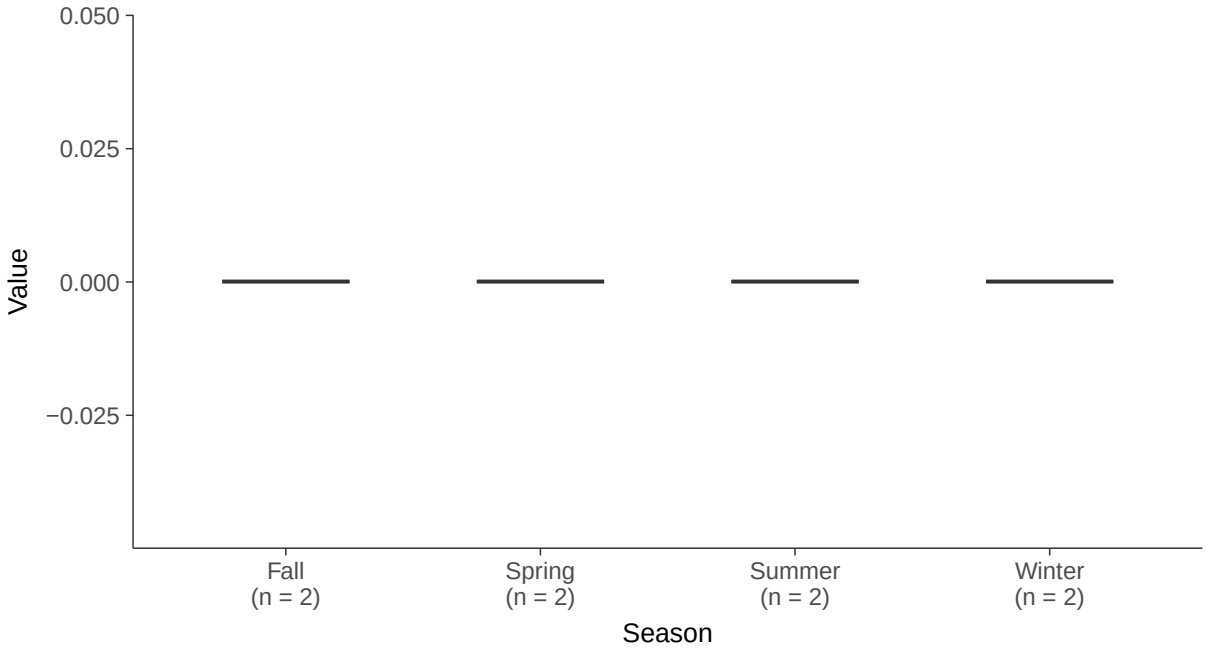
Boxplot

Thallium, MW-37 (mg/L)



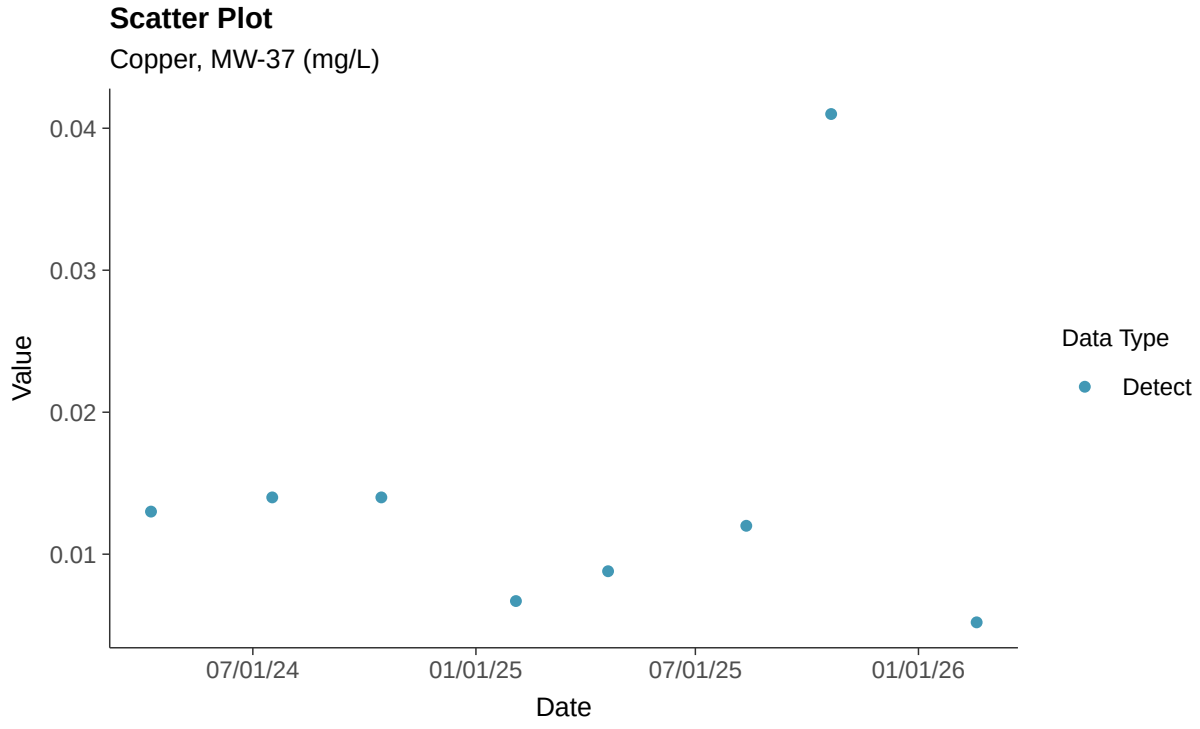
Boxplot by Season

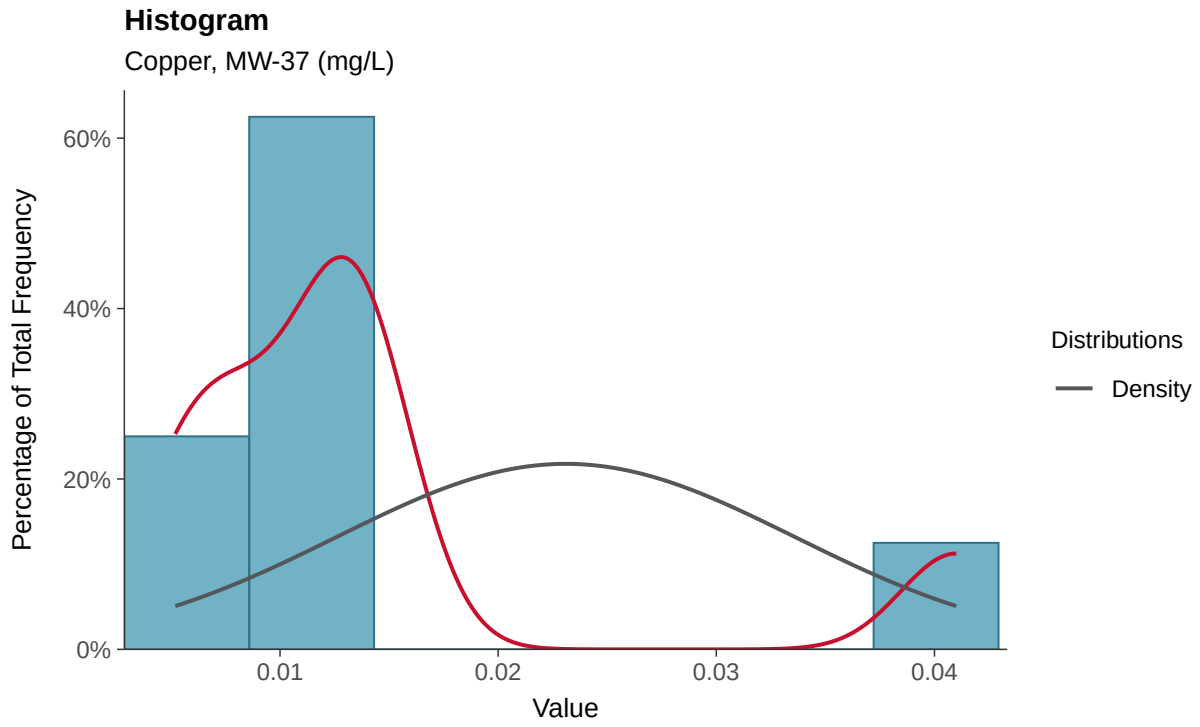
Thallium, MW-37 (mg/L)



Part 115: Copper, MW-37

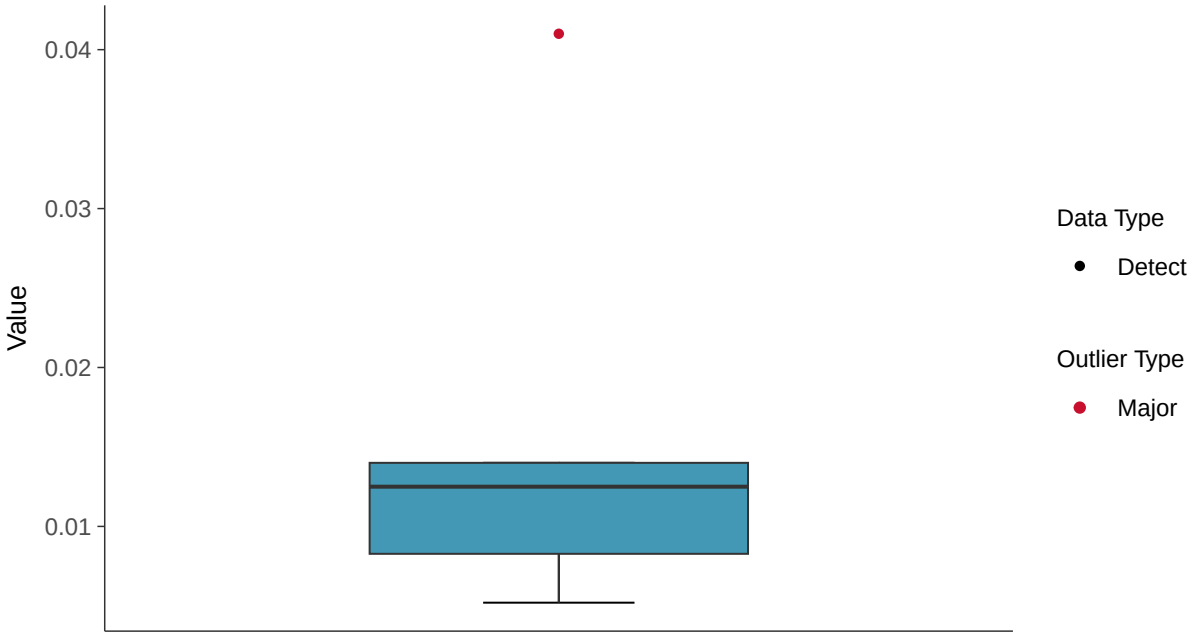
ID: 47_1_5_111





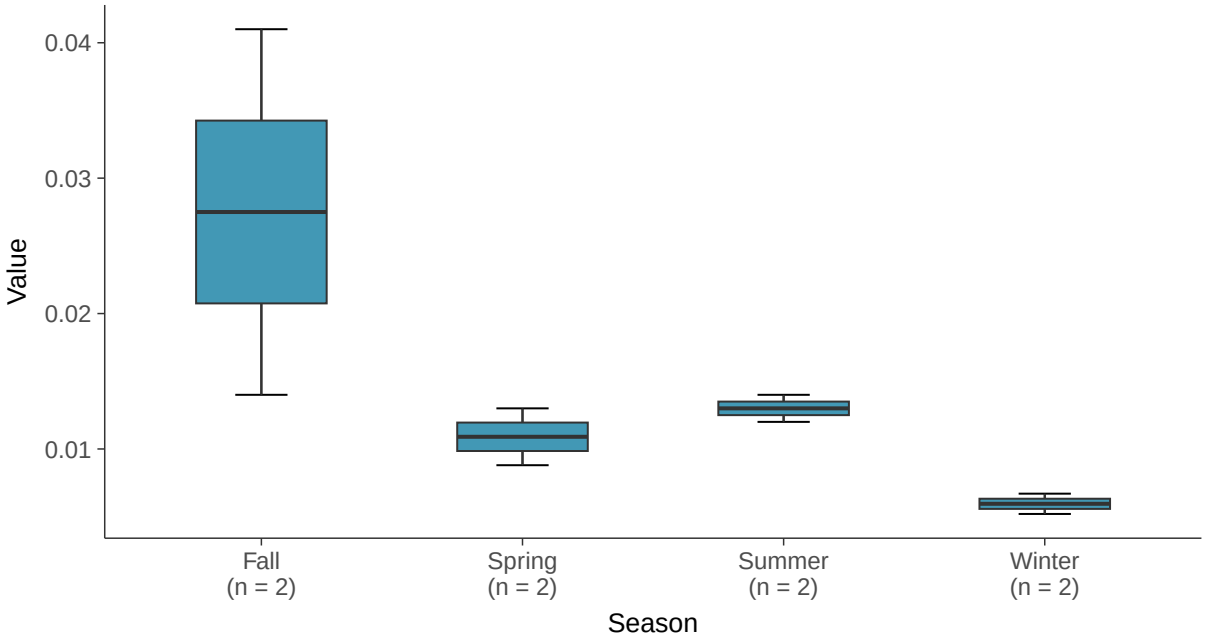
Boxplot

Copper, MW-37 (mg/L)



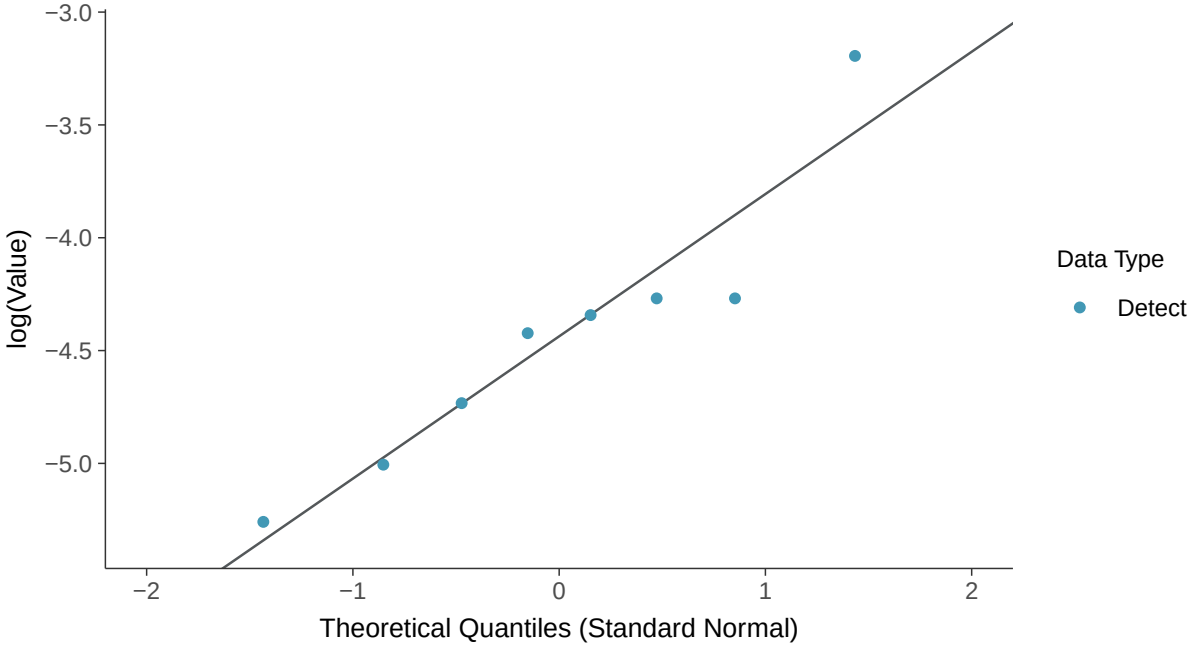
Boxplot by Season

Copper, MW-37 (mg/L)



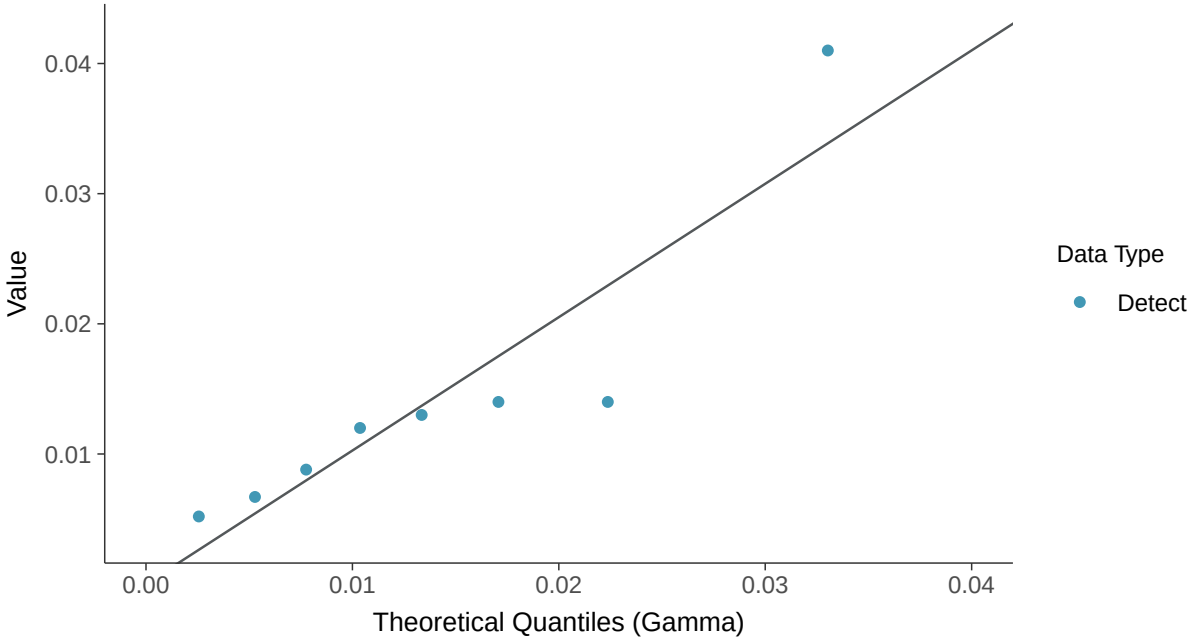
Lognormal Q-Q plot

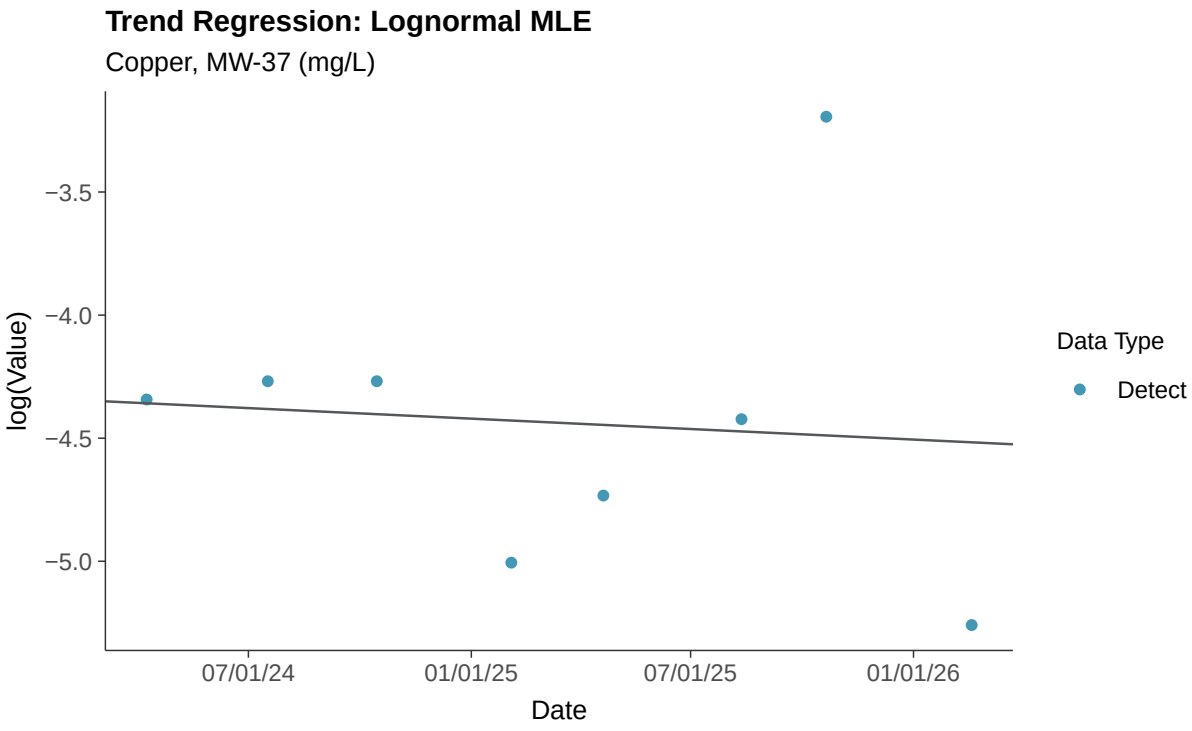
Copper, MW-37 (mg/L)



Gamma Q-Q plot

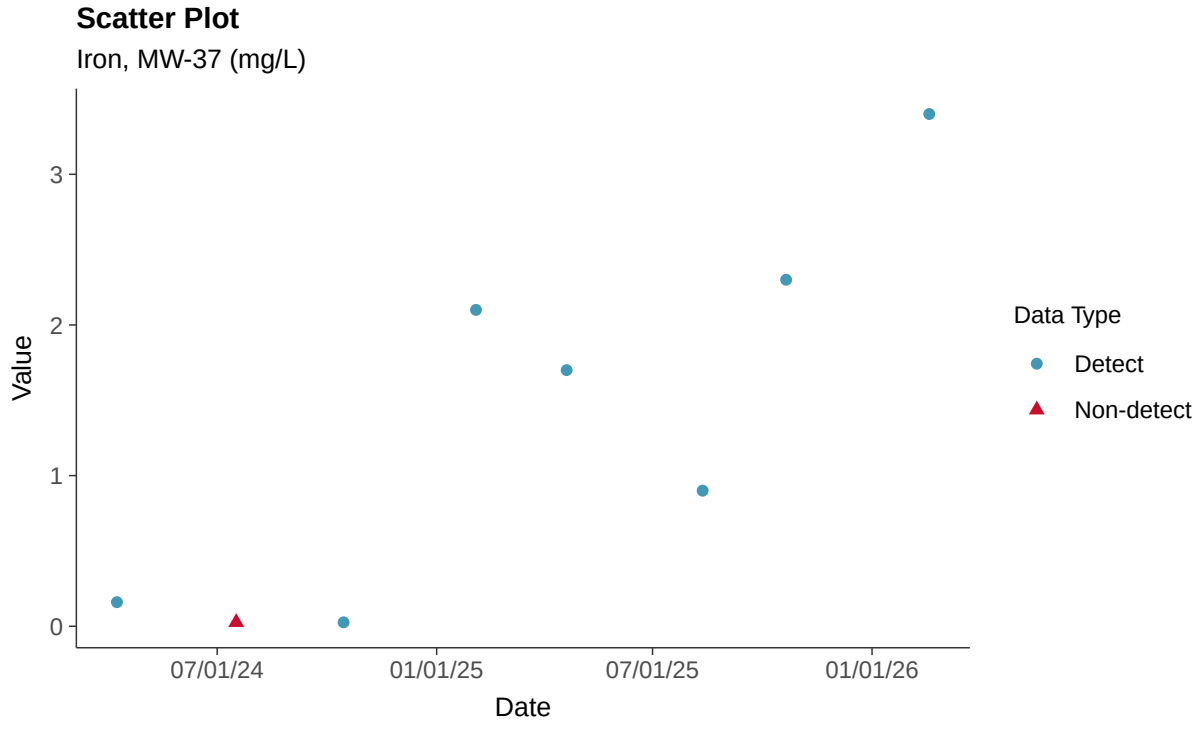
Copper, MW-37 (mg/L)

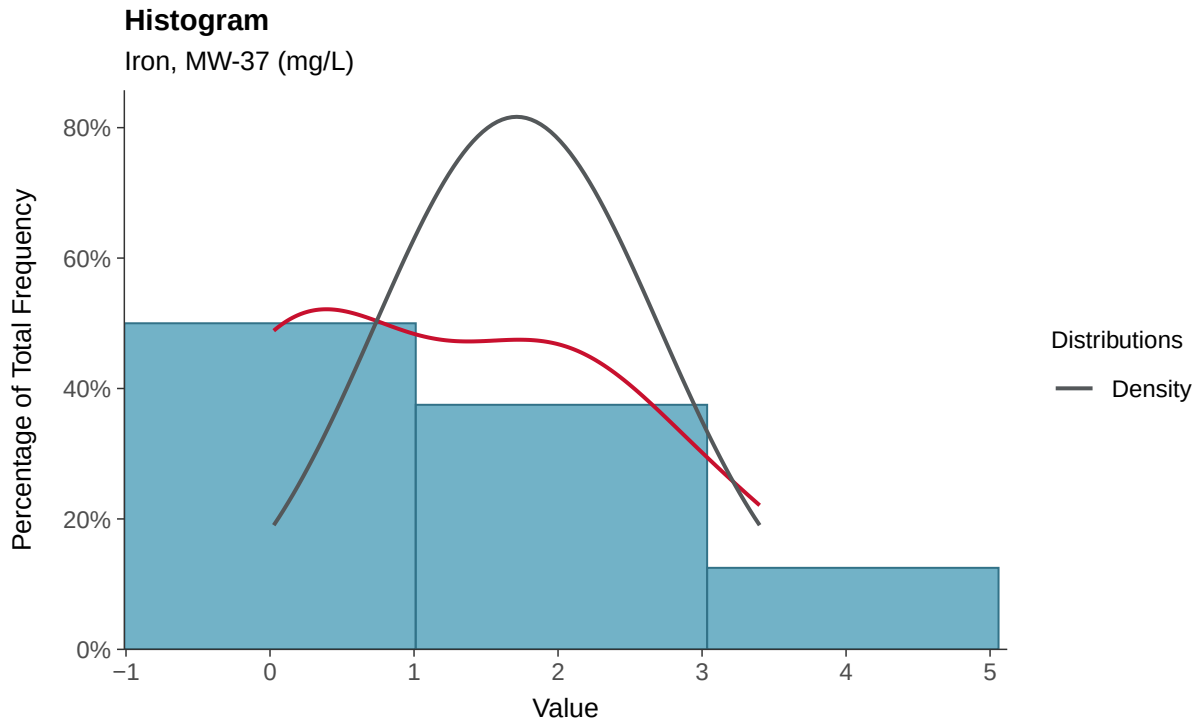



Trend Regression: Lognormal MLE
Copper, MW-37 (mg/L)
log(Value)
−3.5
−4.0
−4.5
−5.0
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect

Part 115: Iron, MW-37

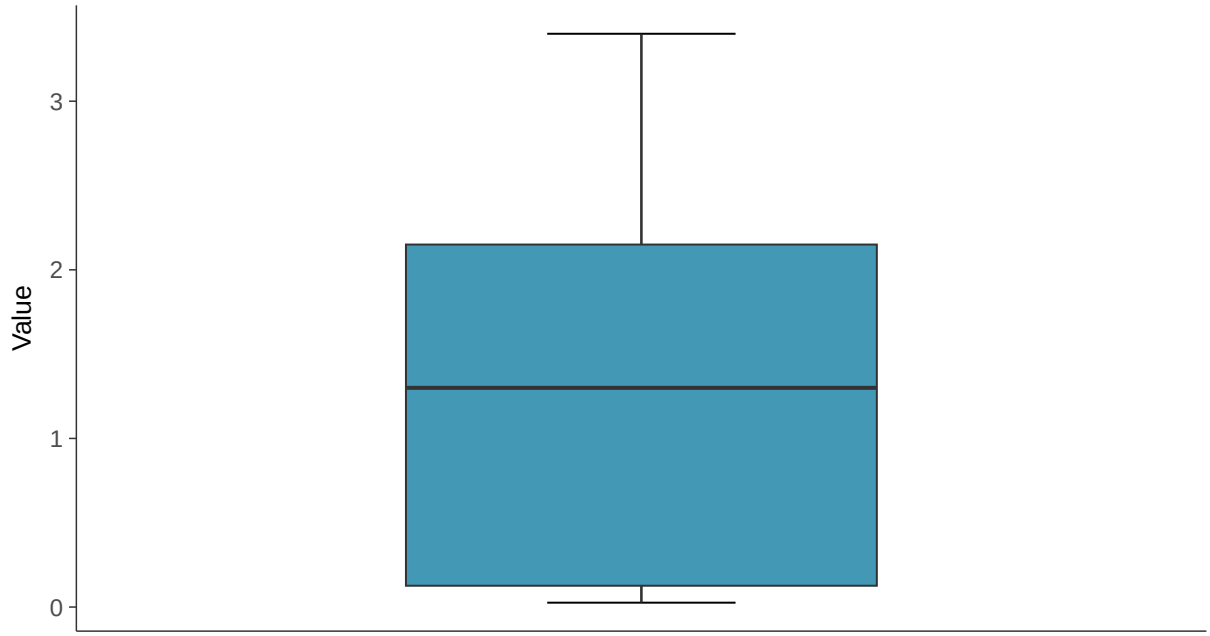
ID: 47_1_5_114





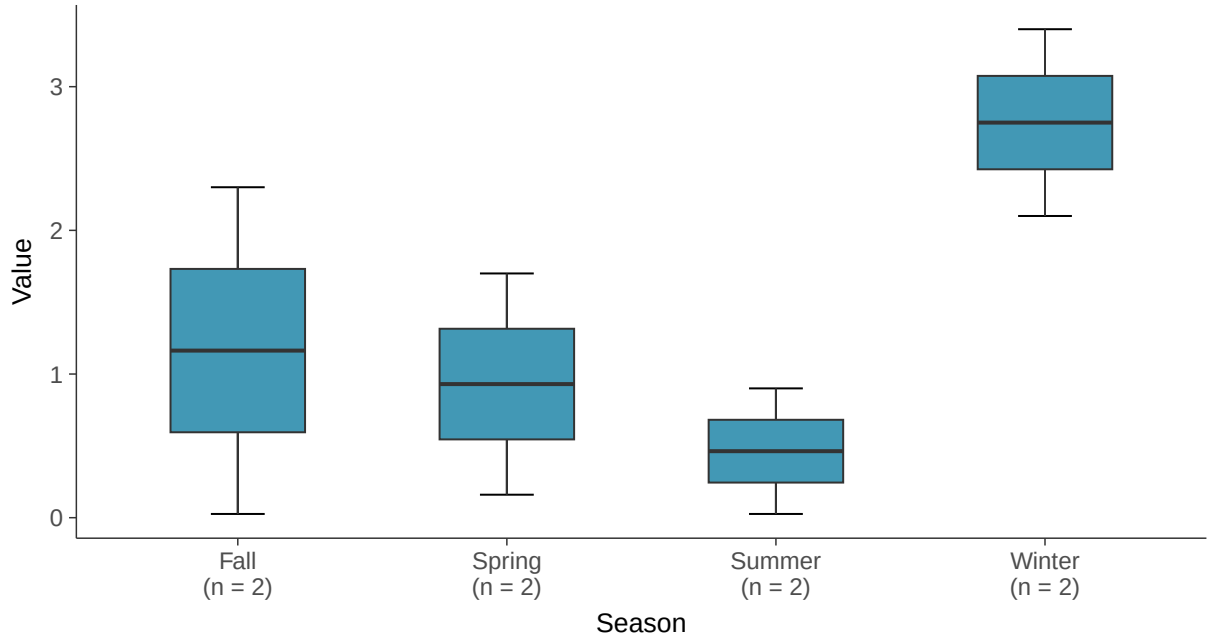
Boxplot

Iron, MW-37 (mg/L)



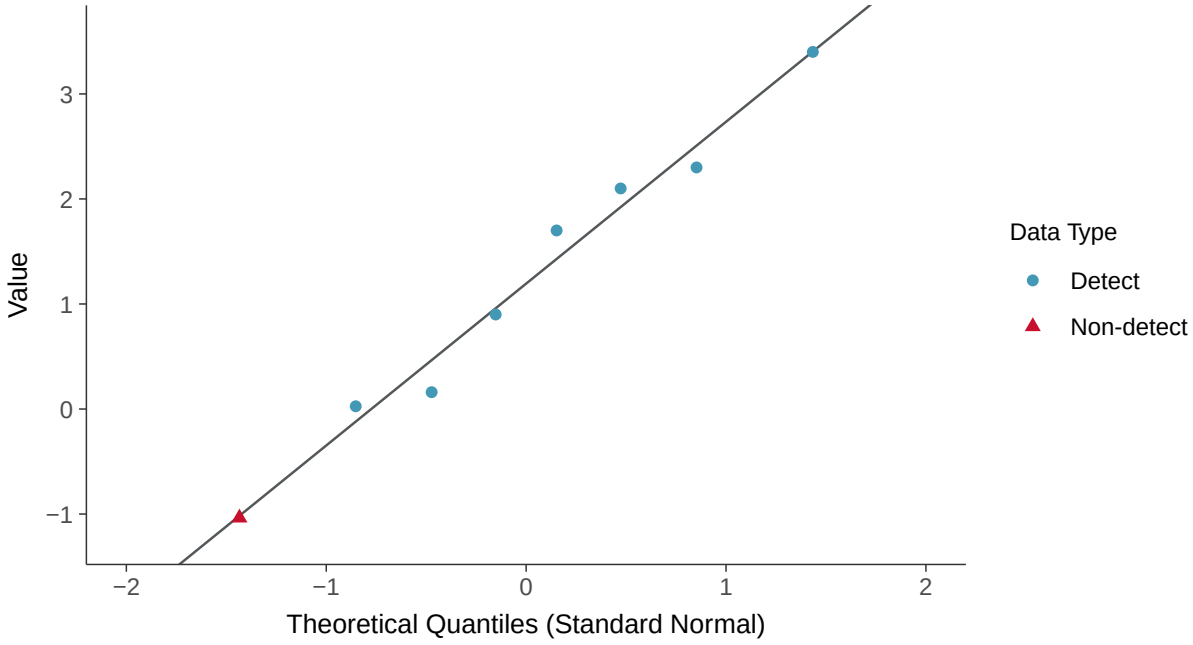
Boxplot by Season

Iron, MW-37 (mg/L)



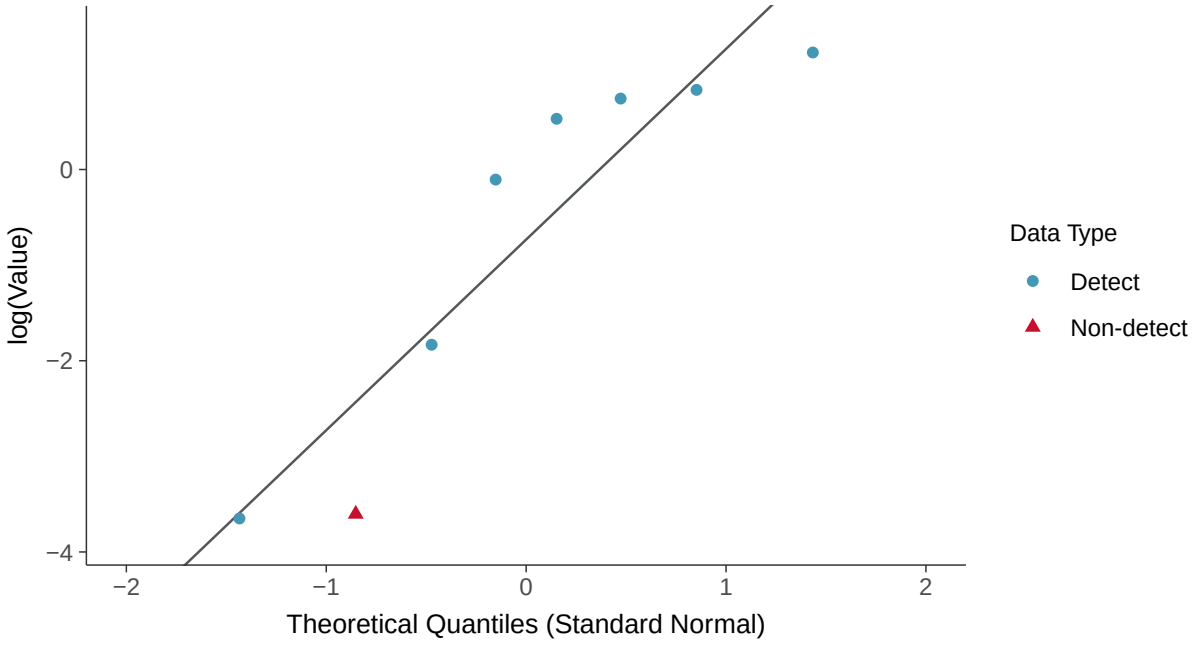
Normal Q-Q plot using ROS Imputed Estimates

Iron, MW-37 (mg/L)



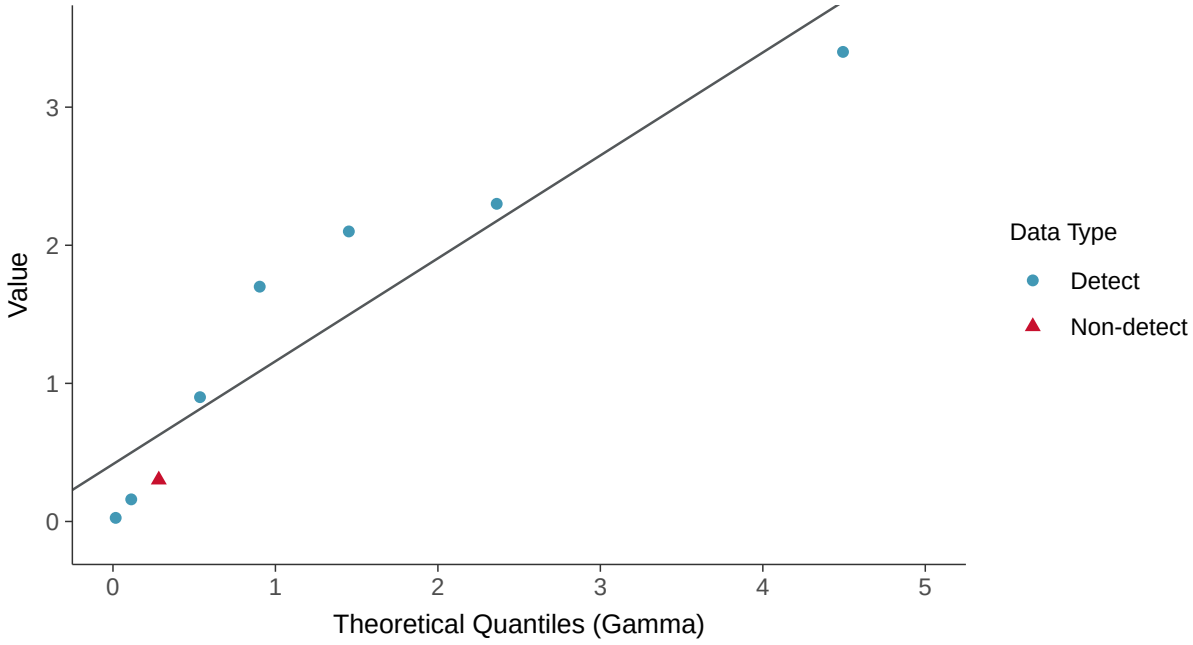
Lognormal Q-Q plot using ROS Imputed Estimates

Iron, MW-37 (mg/L)



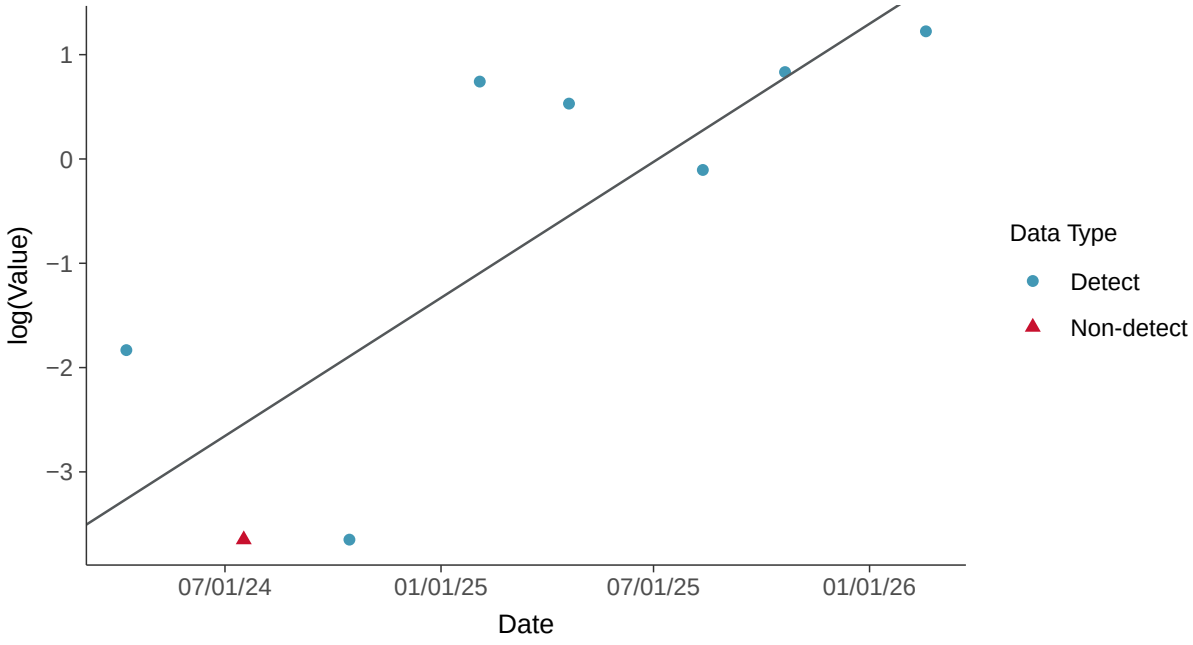
Gamma Q-Q plot using ROS Imputed Estimates

Iron, MW-37 (mg/L)



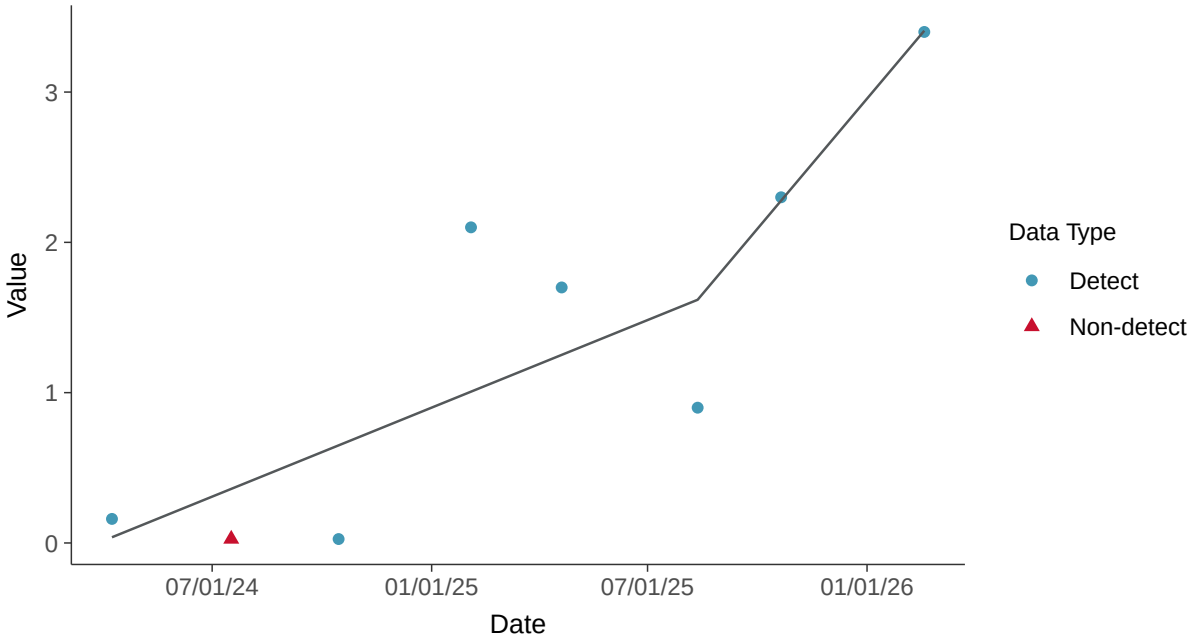
Trend Regression: Lognormal MLE

Iron, MW-37 (mg/L)



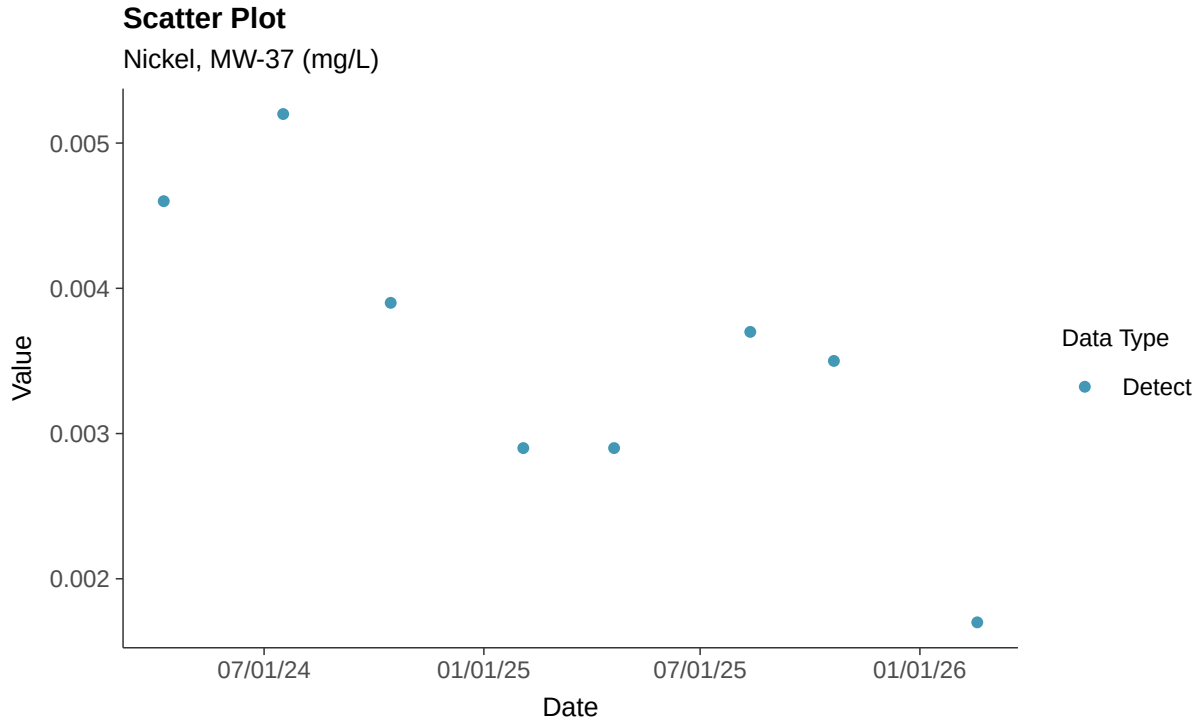
Trend Regression: Piecewise Linear-Linear

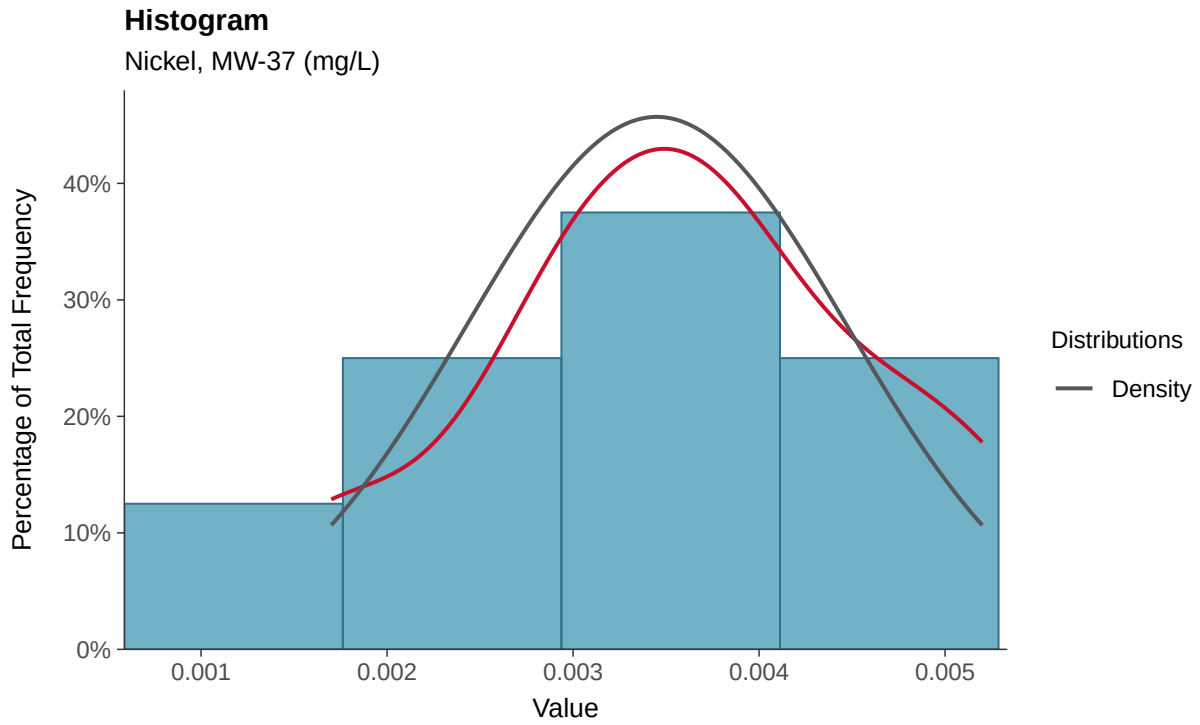
Iron, MW-37 (mg/L)



Part 115: Nickel, MW-37

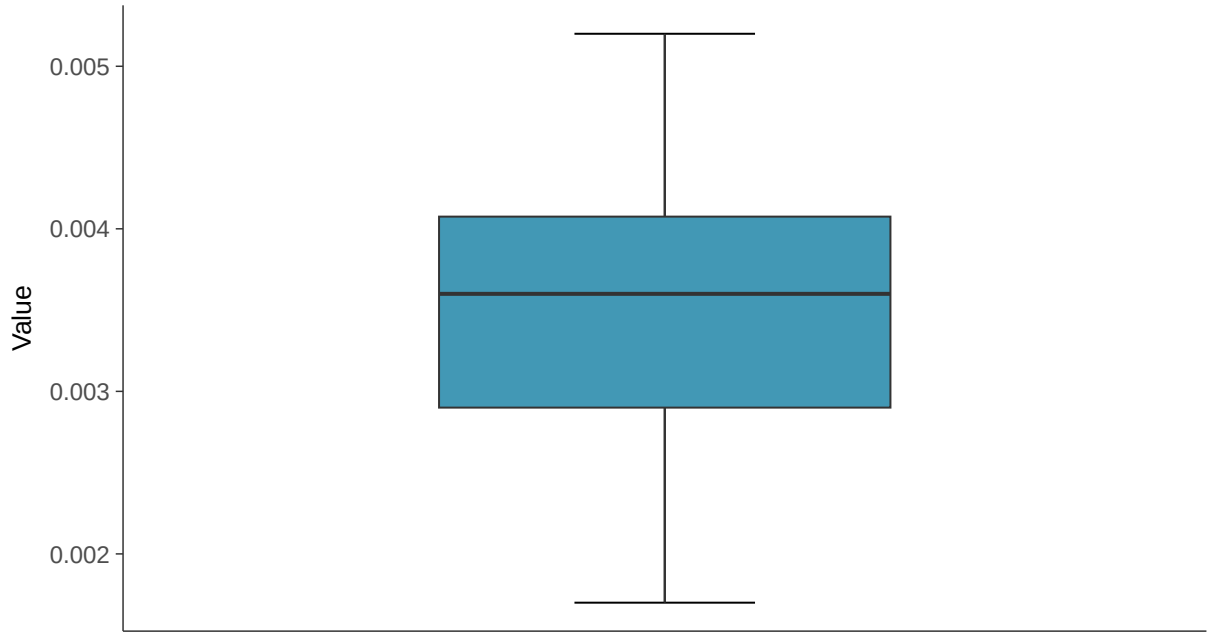
ID: 47_1_5_119





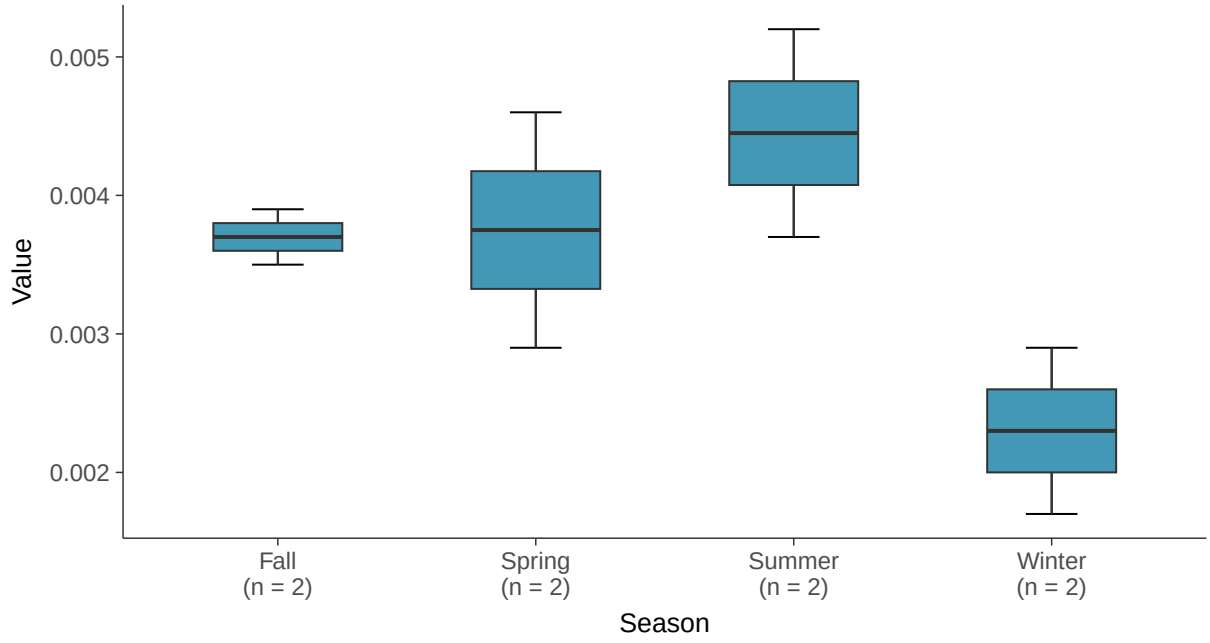
Boxplot

Nickel, MW-37 (mg/L)



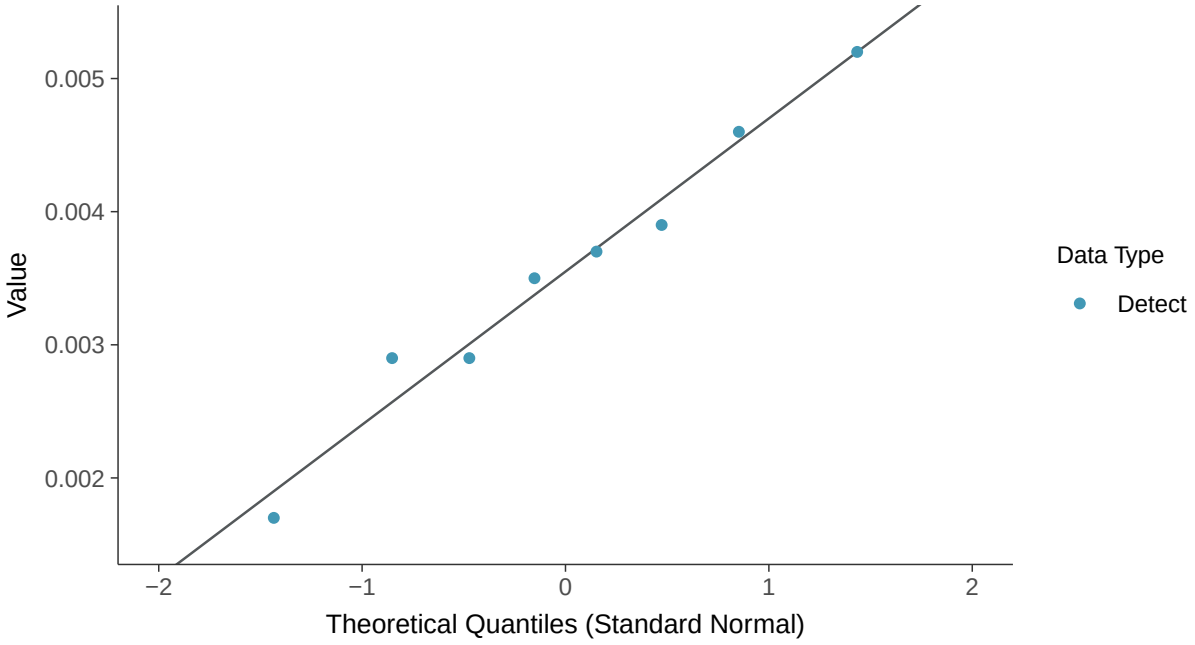
Boxplot by Season

Nickel, MW-37 (mg/L)



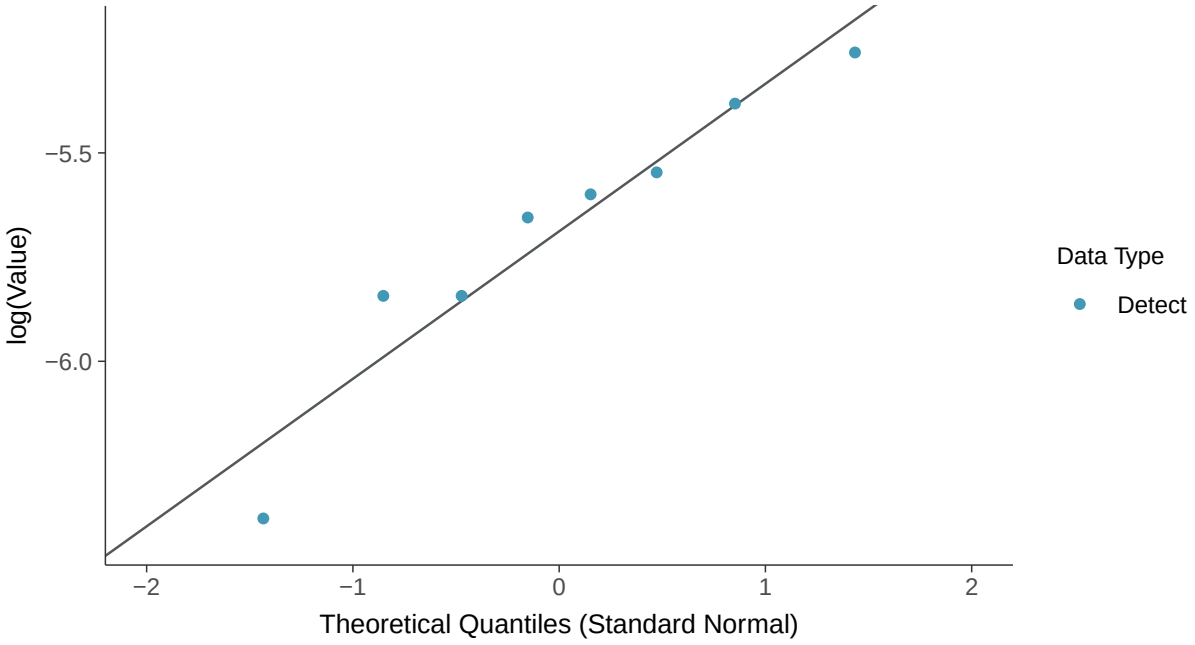
Normal Q-Q plot

Nickel, MW-37 (mg/L)



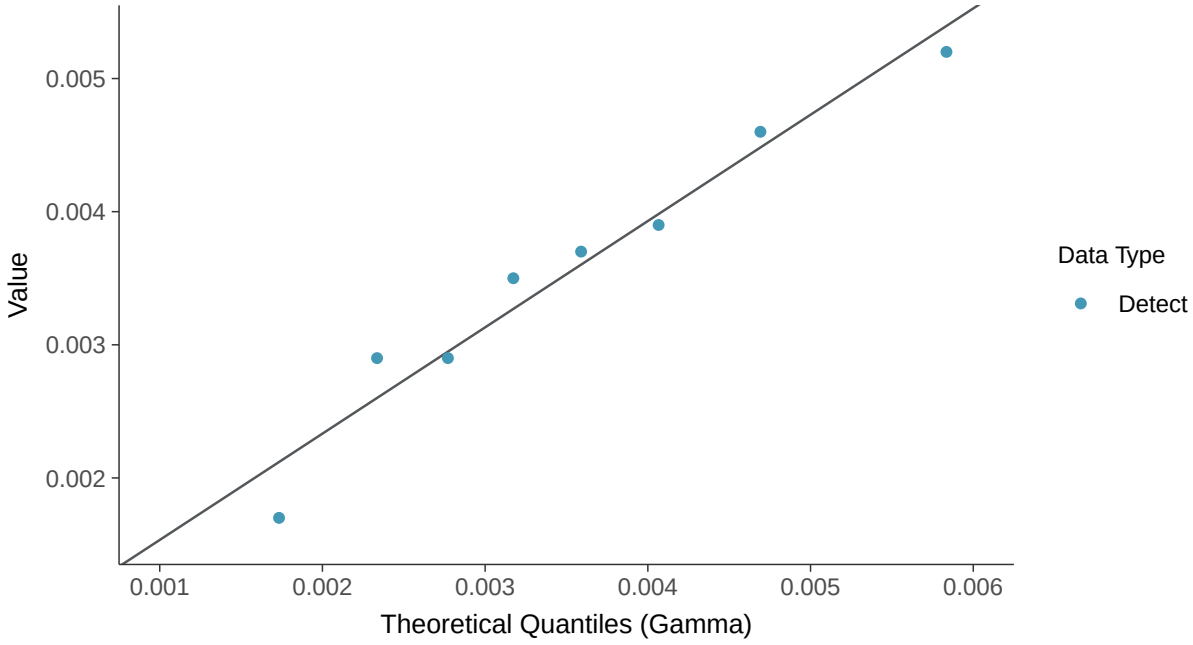
Lognormal Q-Q plot

Nickel, MW-37 (mg/L)



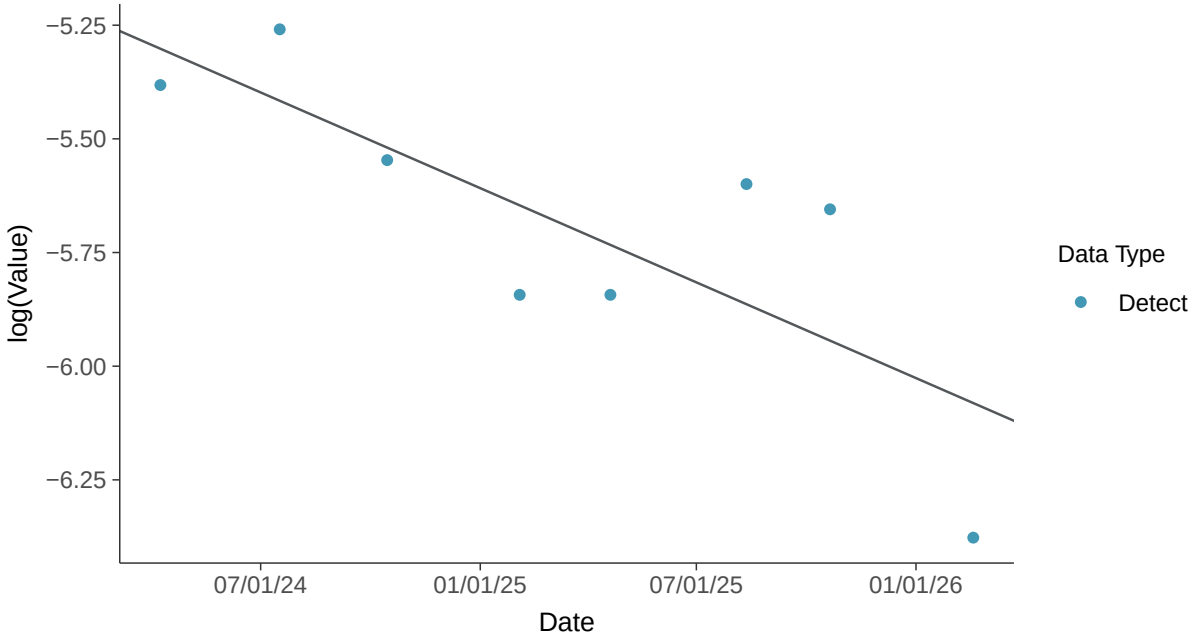
Gamma Q-Q plot

Nickel, MW-37 (mg/L)



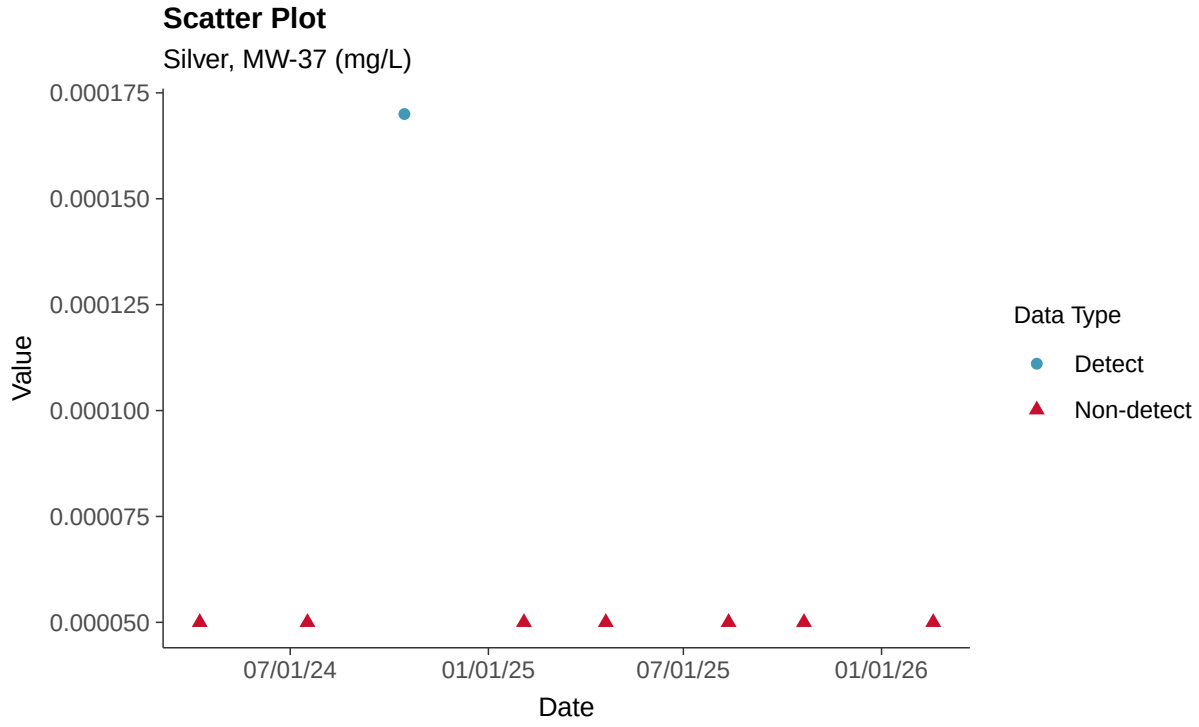
Trend Regression: Lognormal MLE

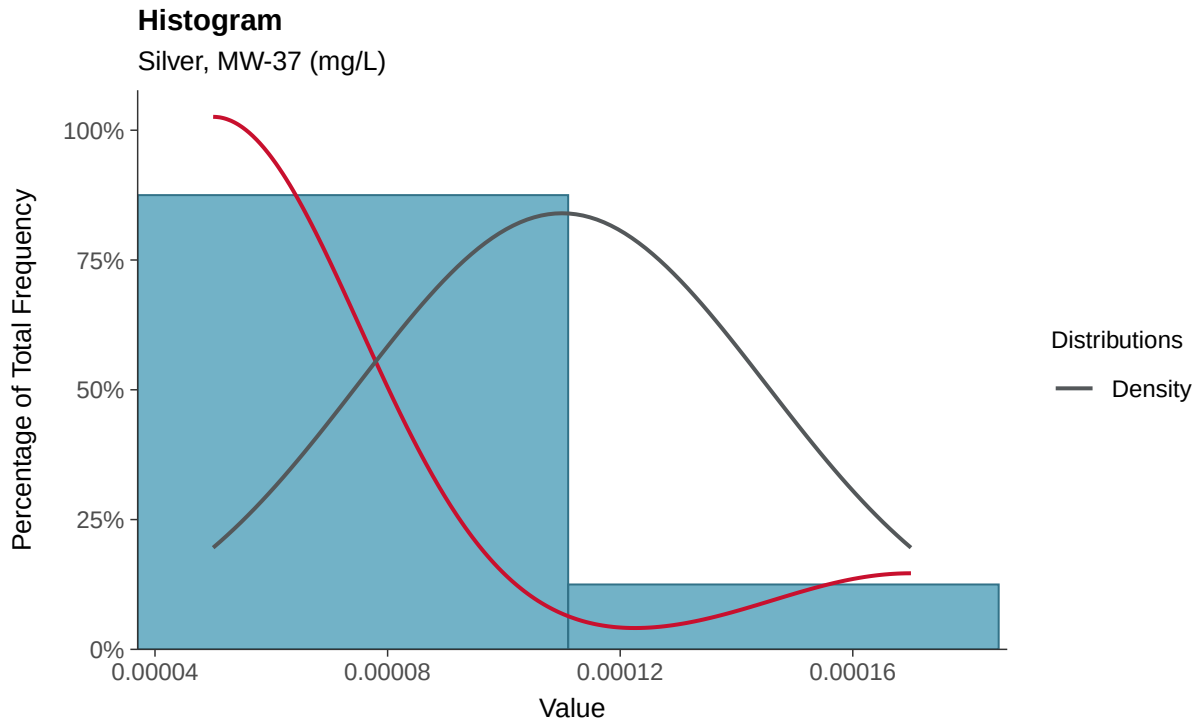
Nickel, MW-37 (mg/L)



Part 115: Silver, MW-37

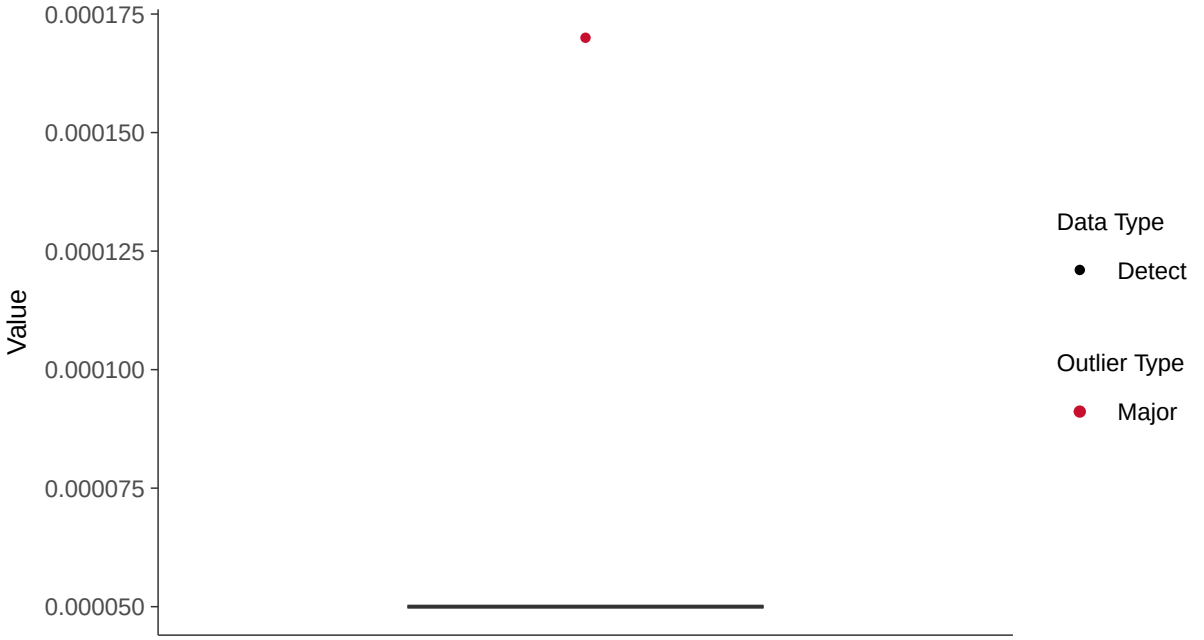
ID: 47_1_5_123





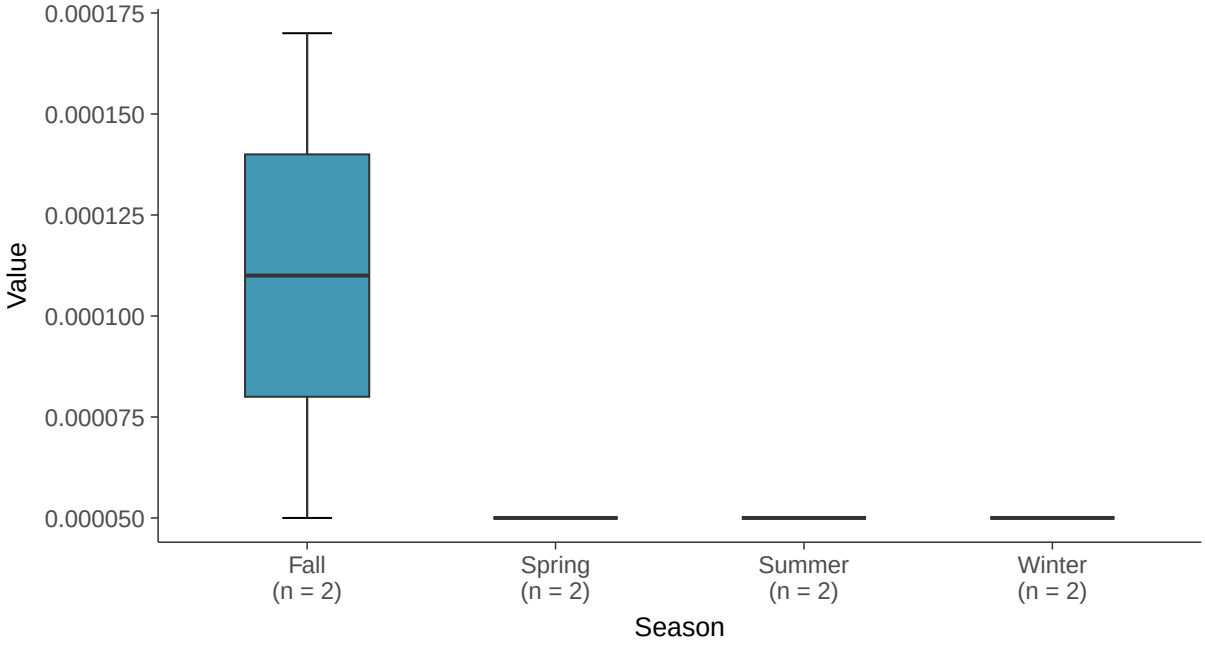
Boxplot

Silver, MW-37 (mg/L)



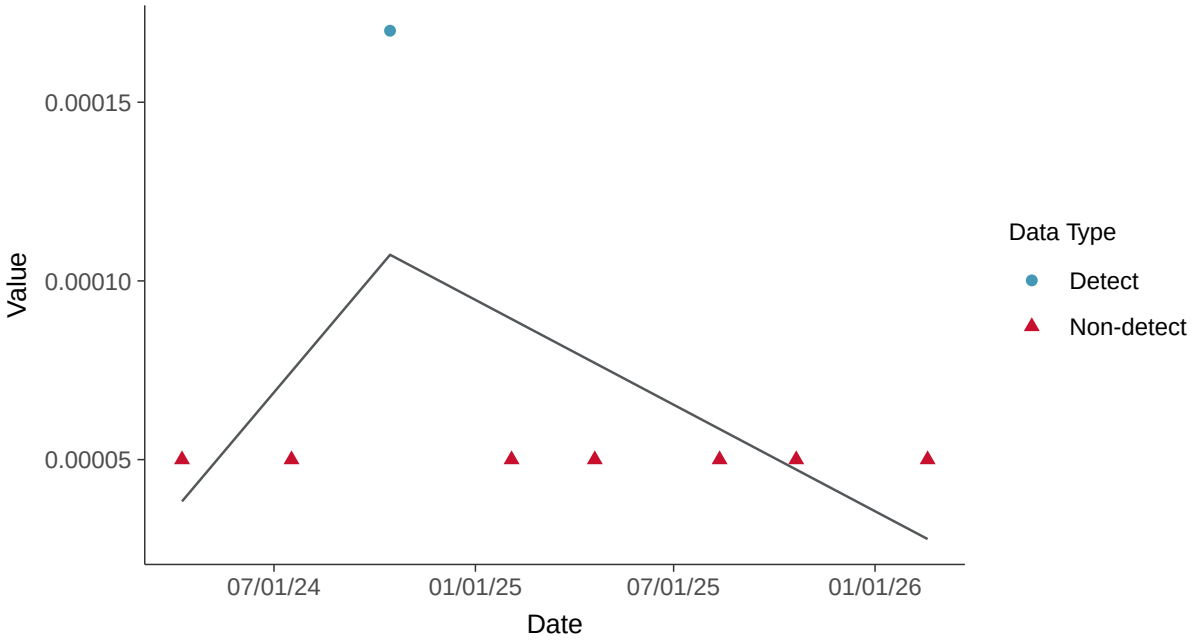
Boxplot by Season

Silver, MW-37 (mg/L)



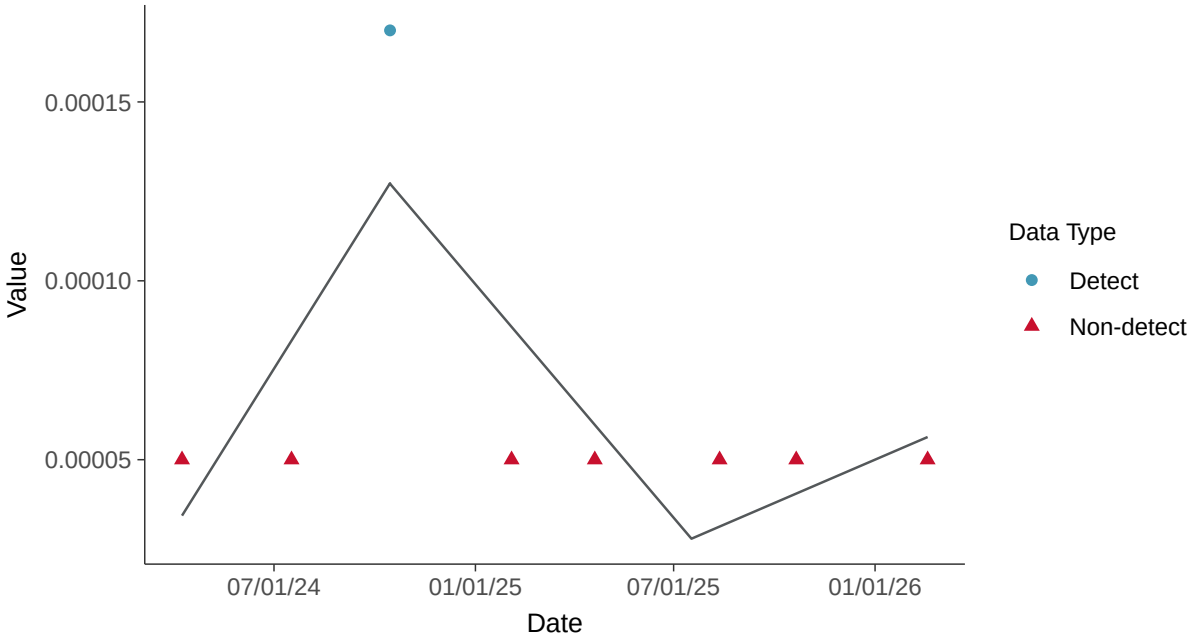
Trend Regression: Piecewise Linear-Linear

Silver, MW-37 (mg/L)



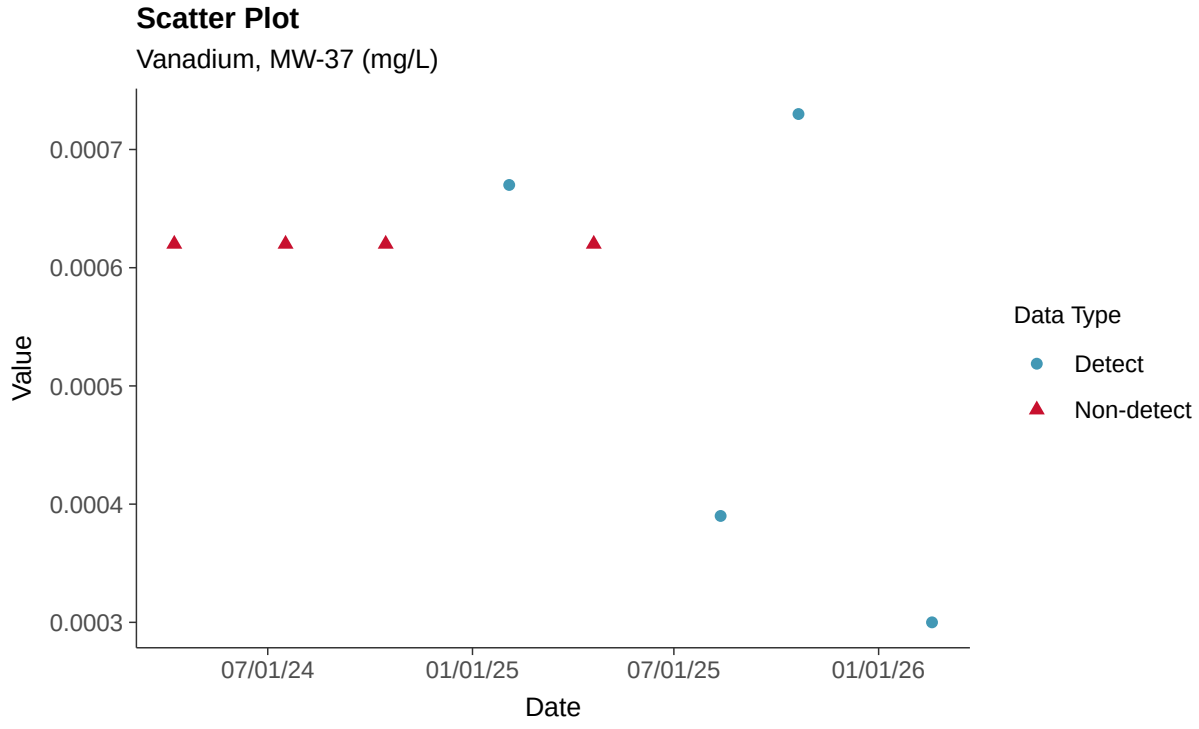
Trend Regression: Piecewise Linear-Linear-Linear

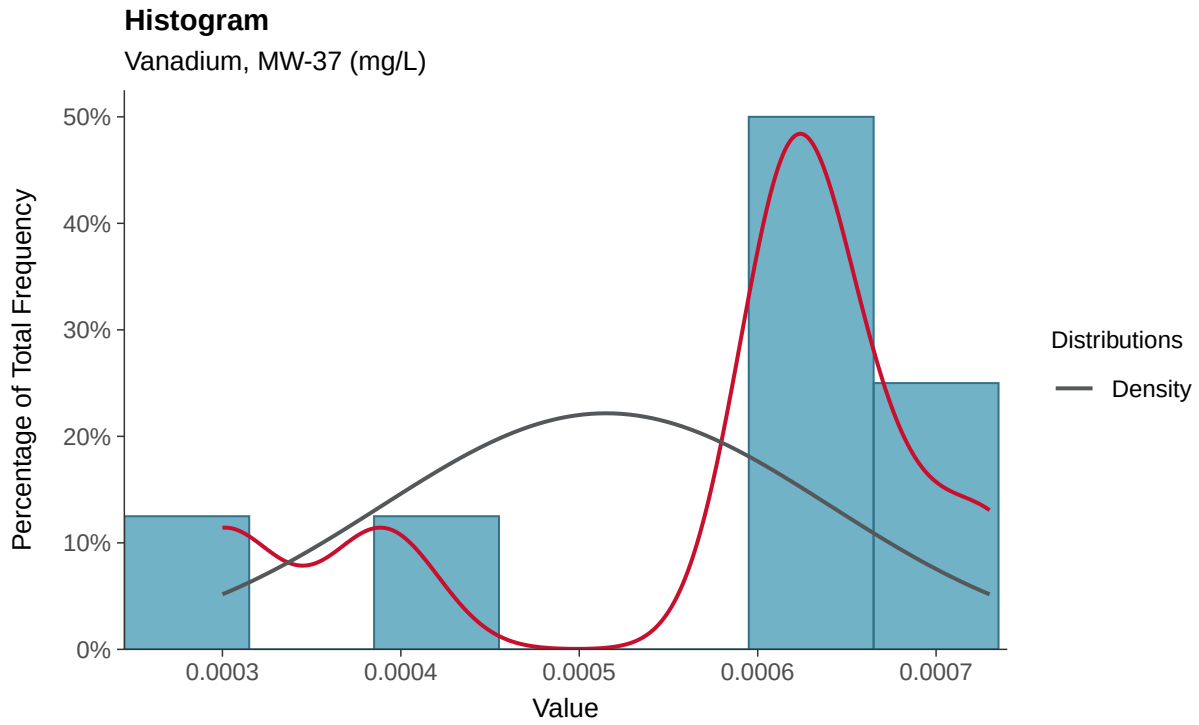
Silver, MW-37 (mg/L)



Part 115: Vanadium, MW-37

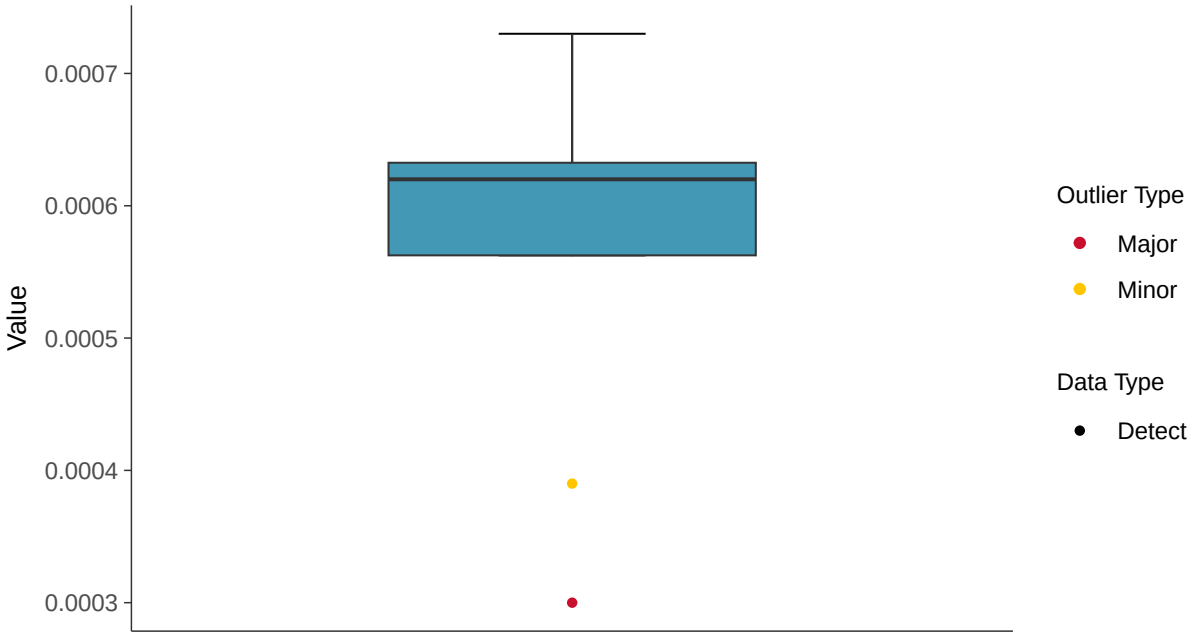
ID: 47_1_5_128





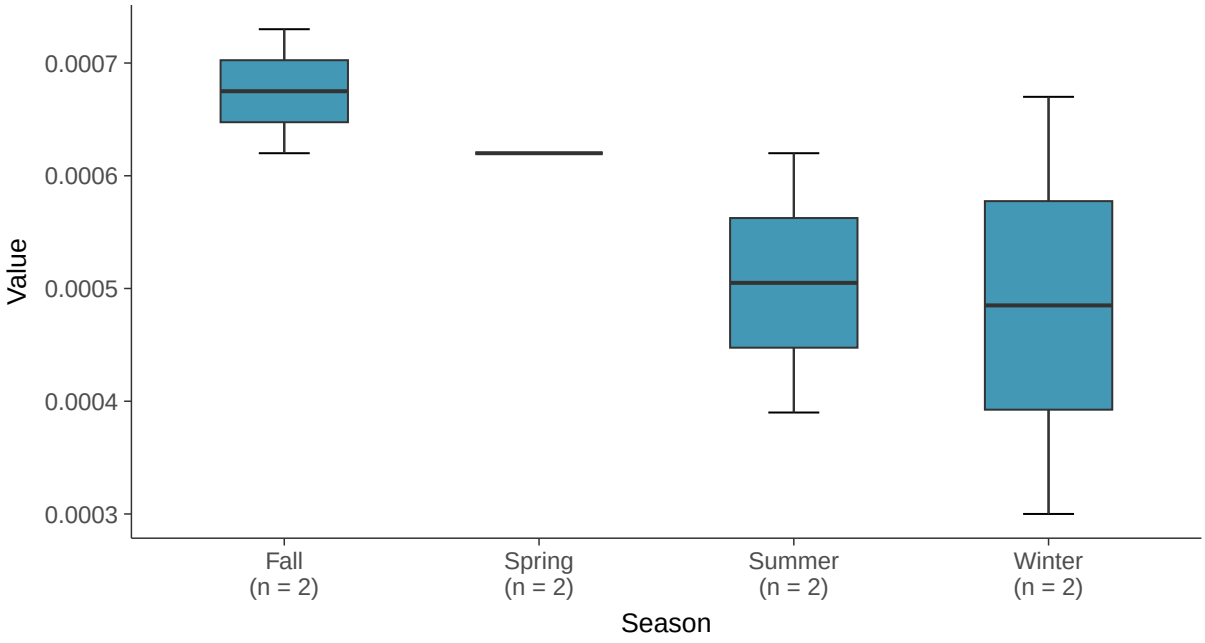
Boxplot

Vanadium, MW-37 (mg/L)



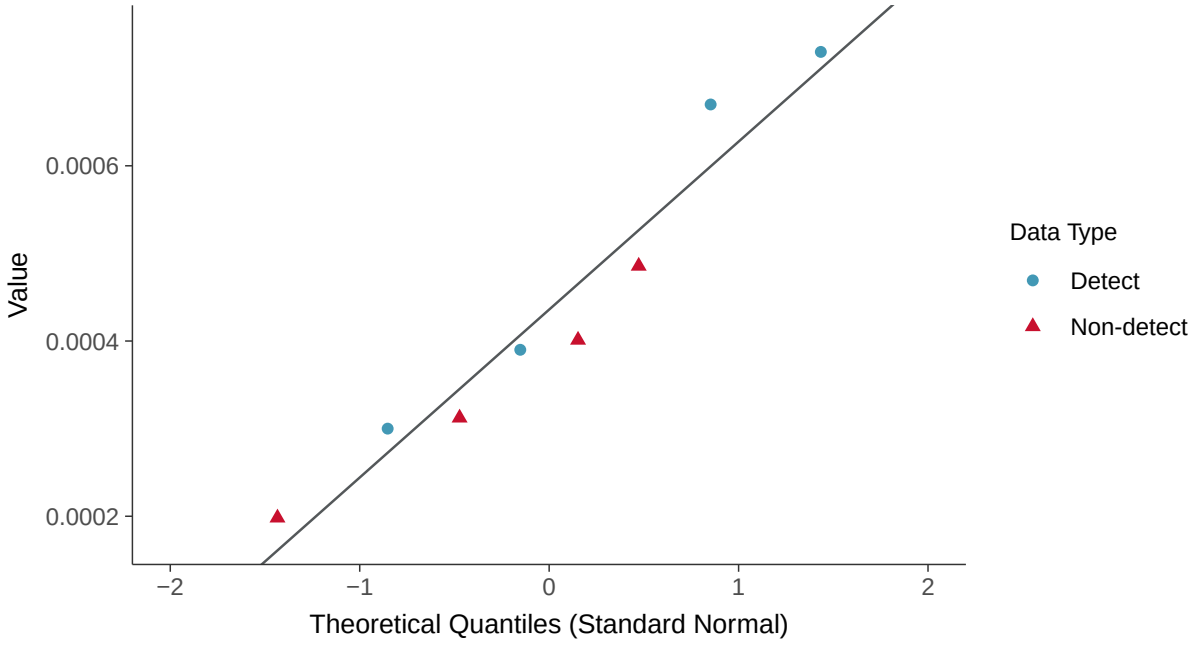
Boxplot by Season

Vanadium, MW-37 (mg/L)



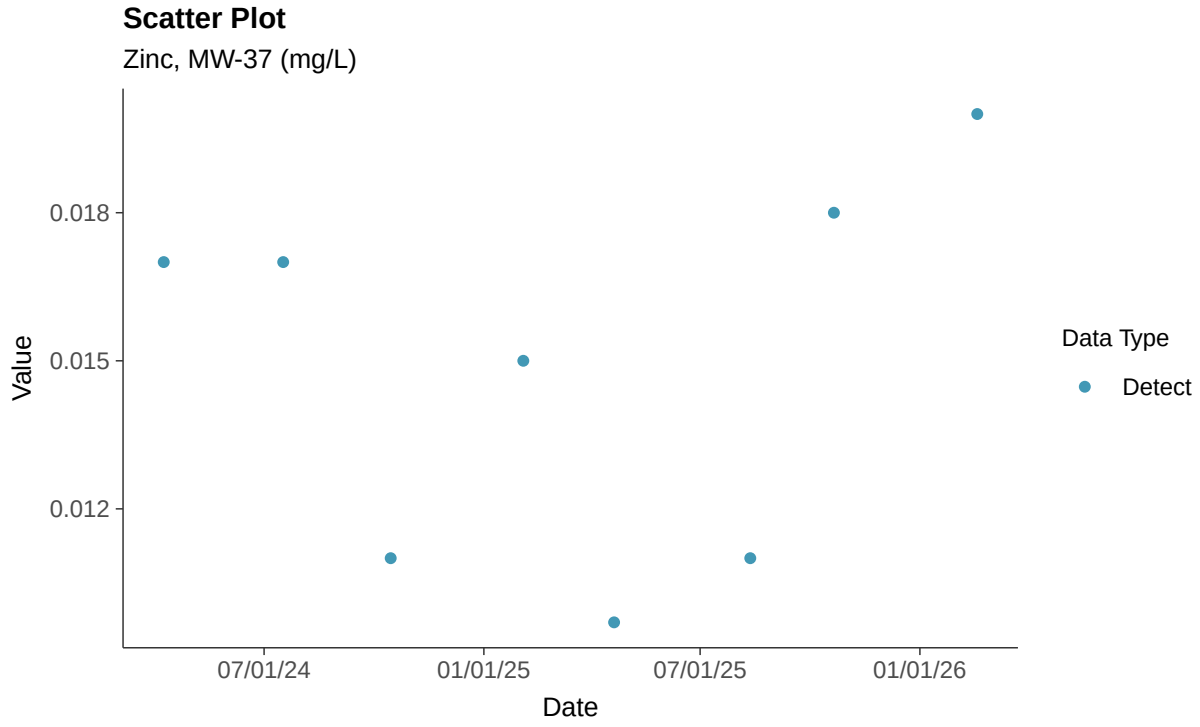
Normal Q-Q plot using ROS Imputed Estimates

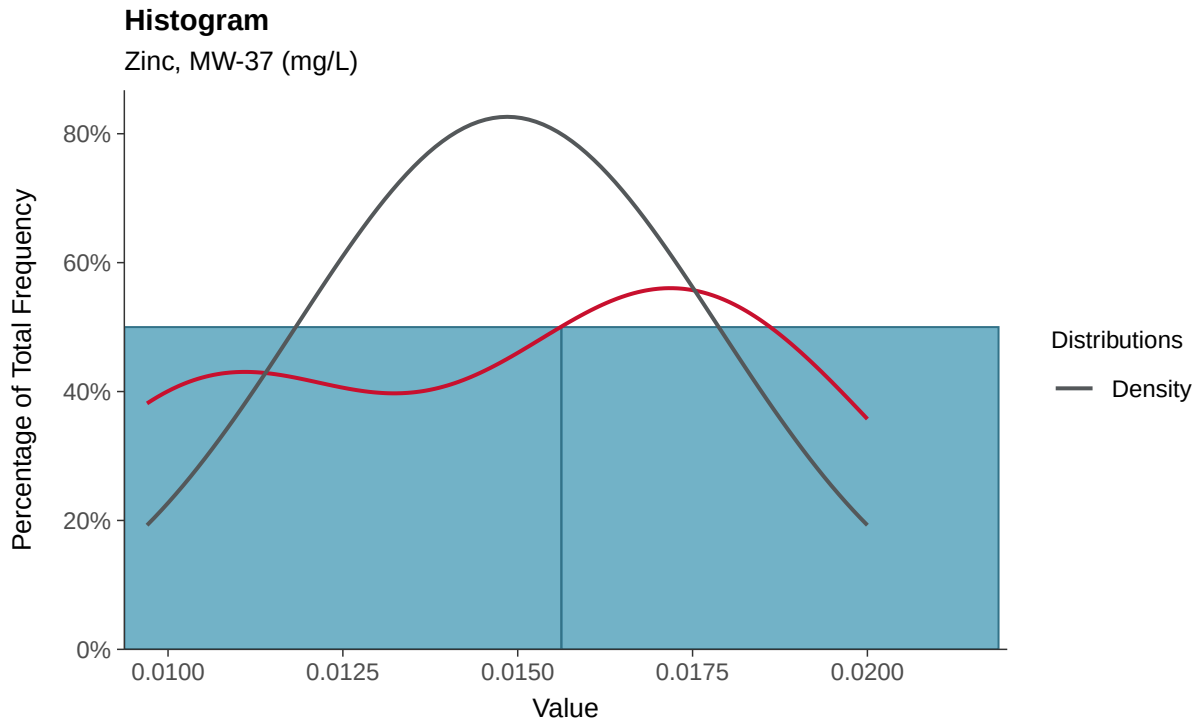
Vanadium, MW-37 (mg/L)



Part 115: Zinc, MW-37

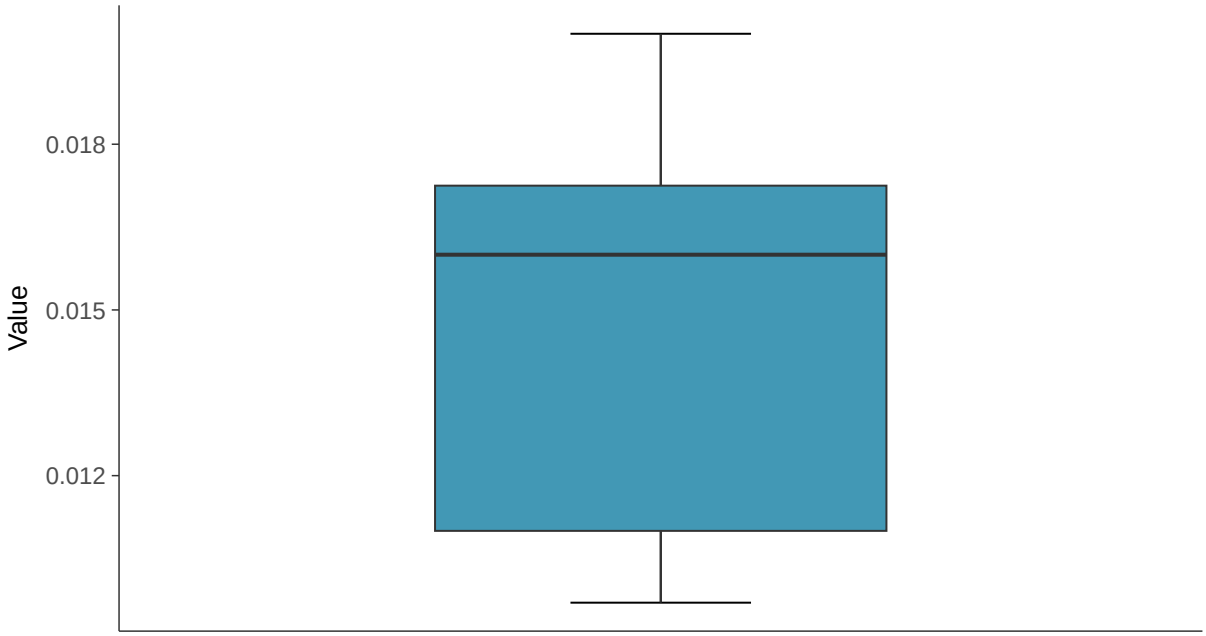
ID: 47_1_5_129





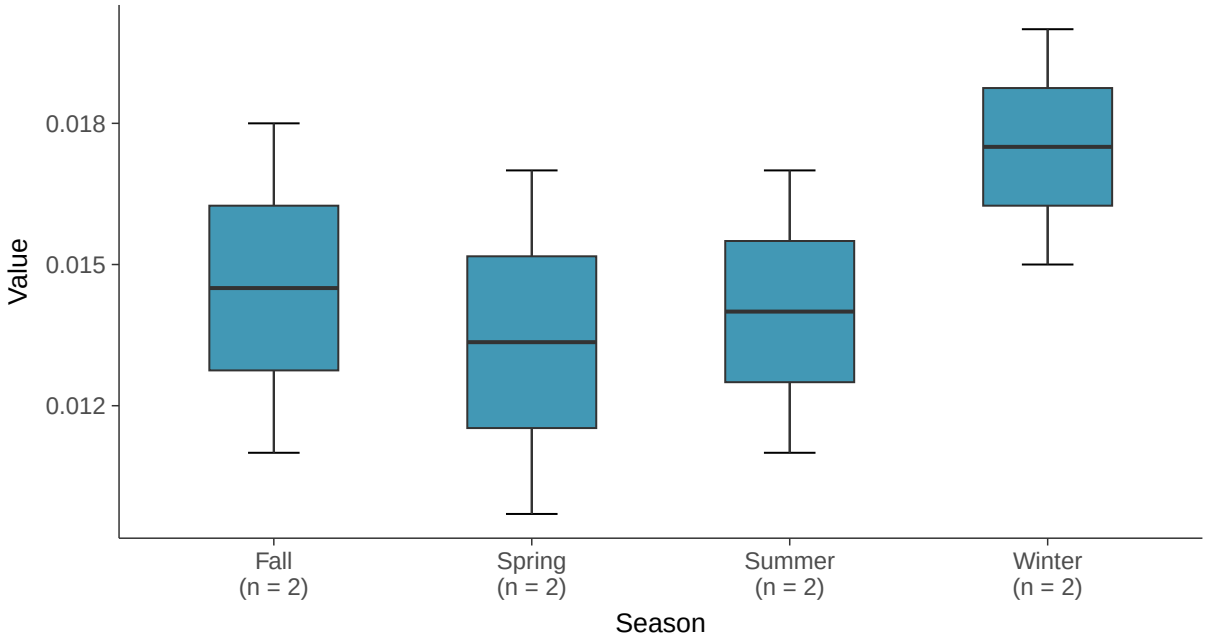
Boxplot

Zinc, MW-37 (mg/L)



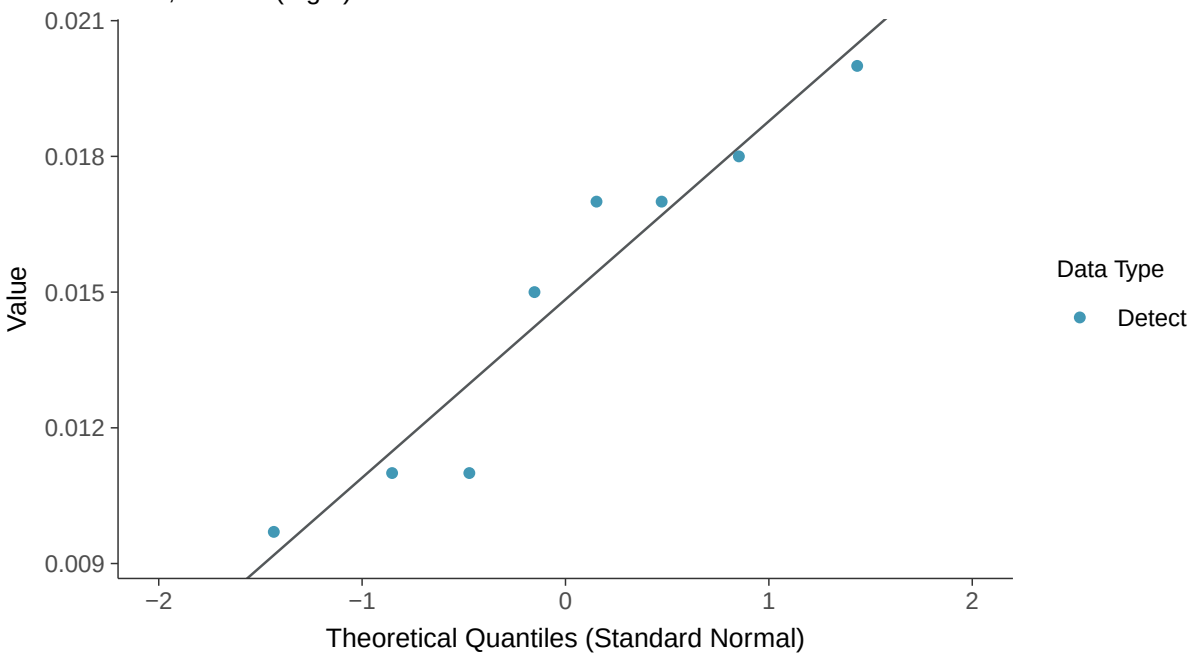
Boxplot by Season

Zinc, MW-37 (mg/L)



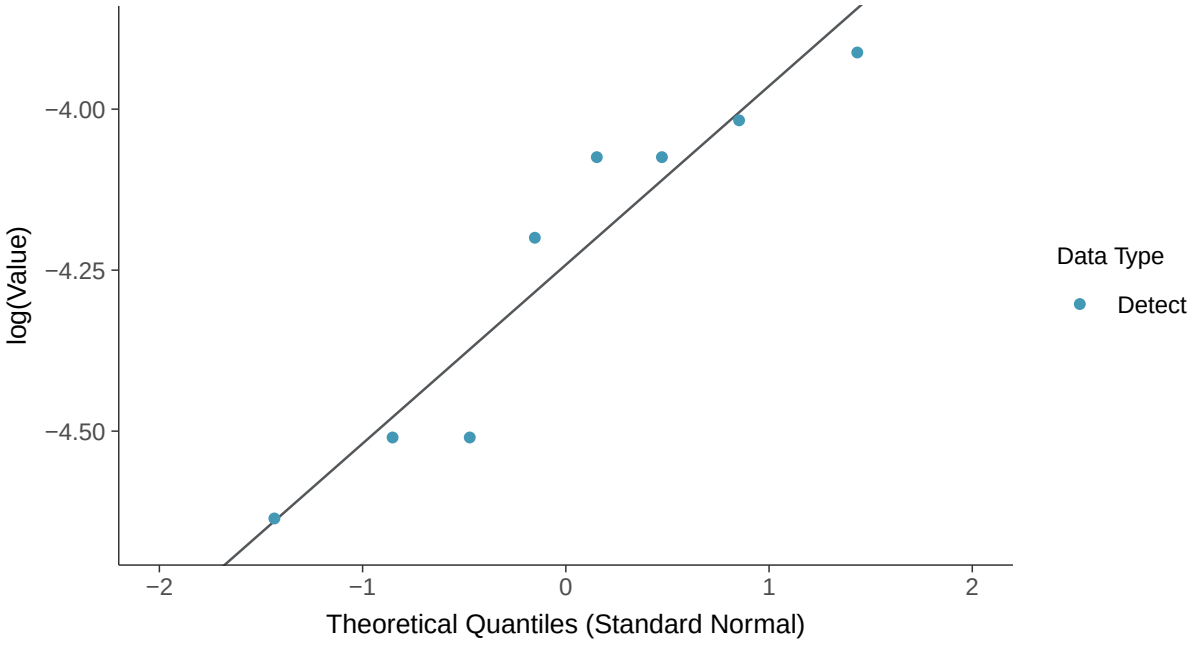
Normal Q-Q plot

Zinc, MW-37 (mg/L)



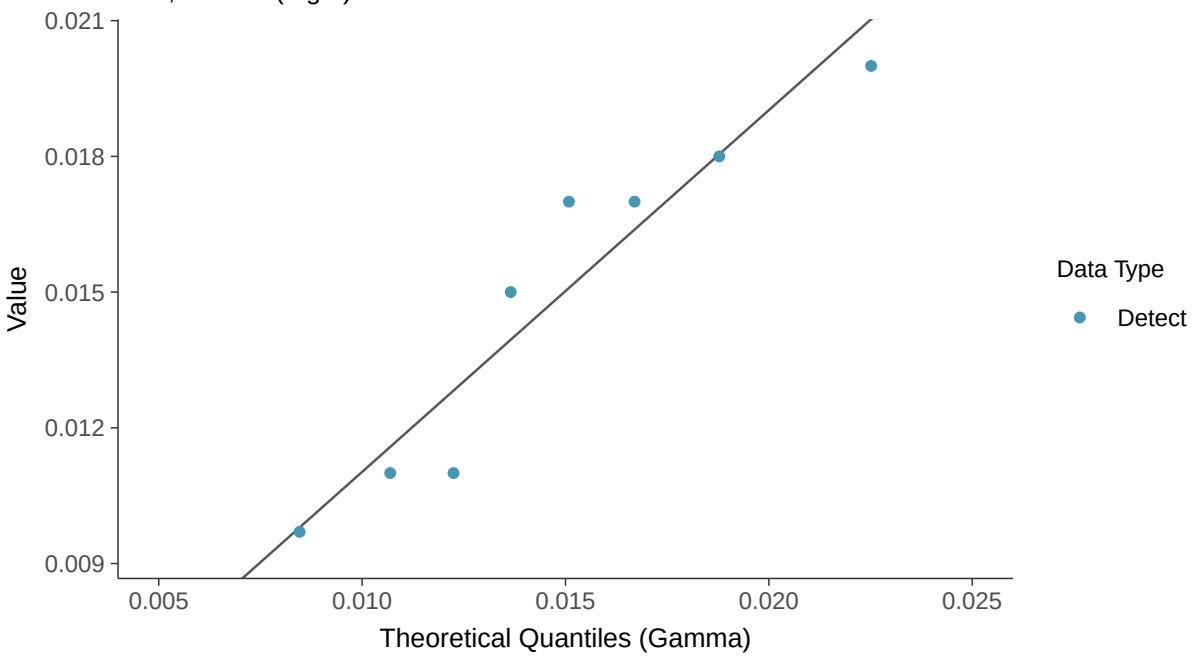
Lognormal Q-Q plot

Zinc, MW-37 (mg/L)



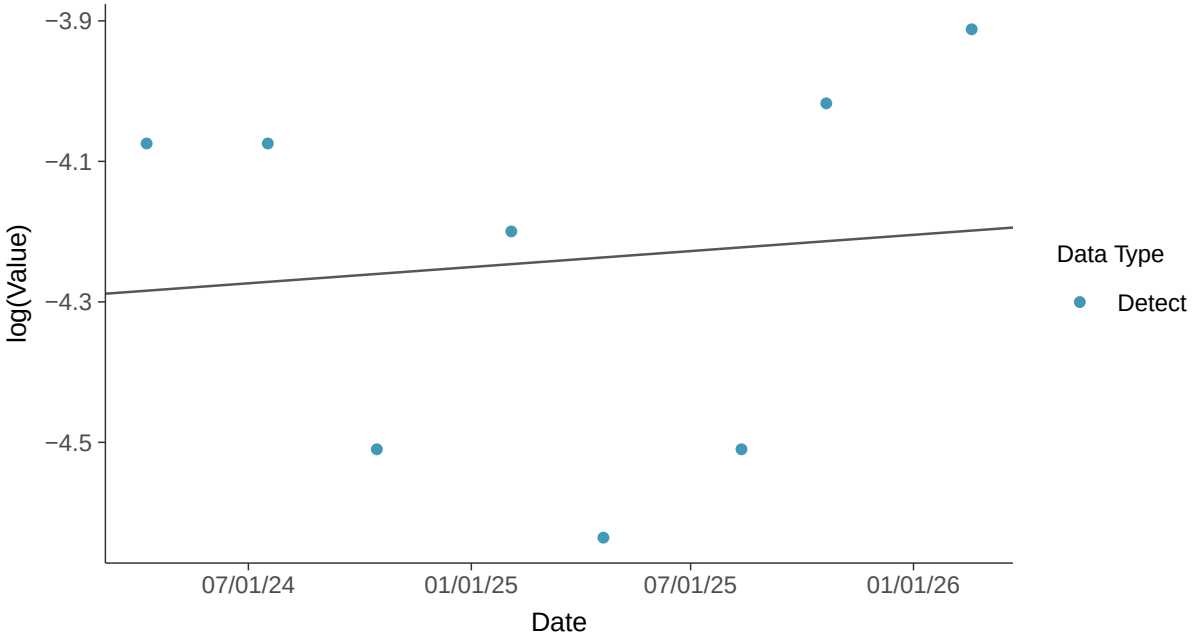
Gamma Q-Q plot

Zinc, MW-37 (mg/L)



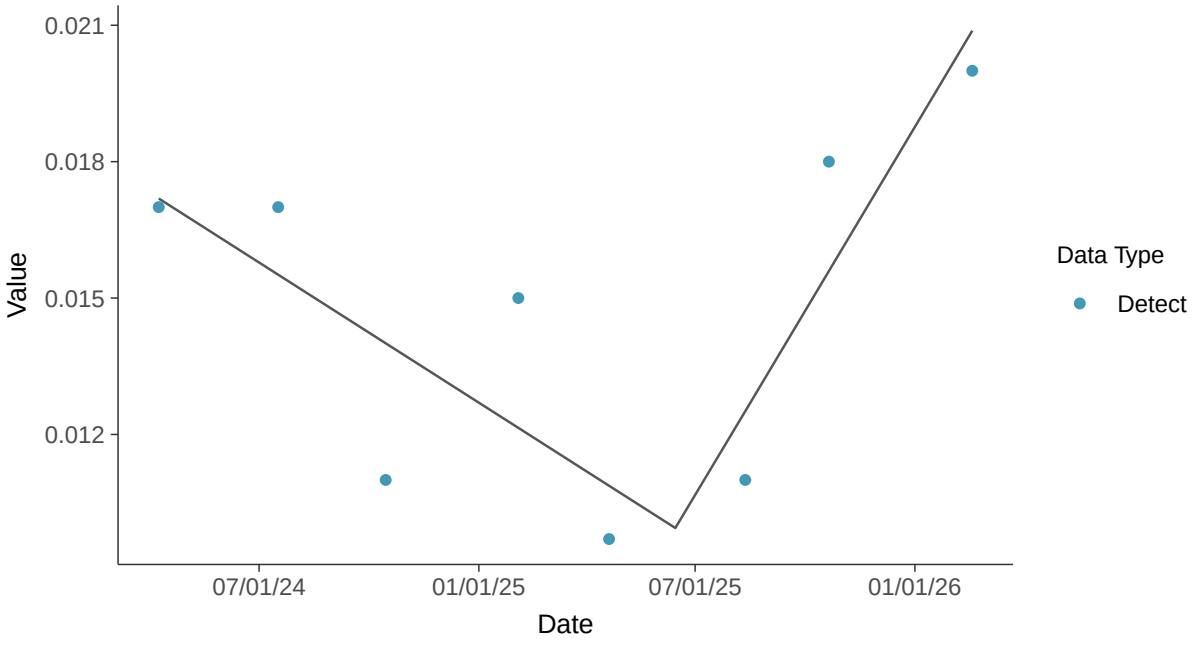
Trend Regression: Lognormal MLE

Zinc, MW-37 (mg/L)



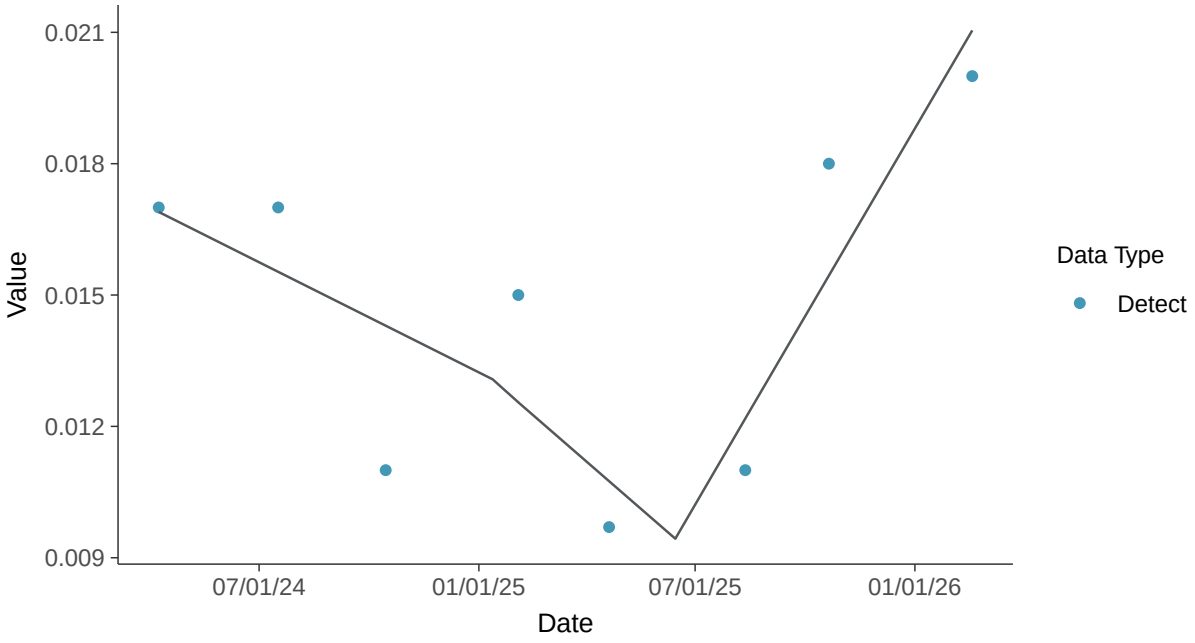
Trend Regression: Piecewise Linear-Linear

Zinc, MW-37 (mg/L)



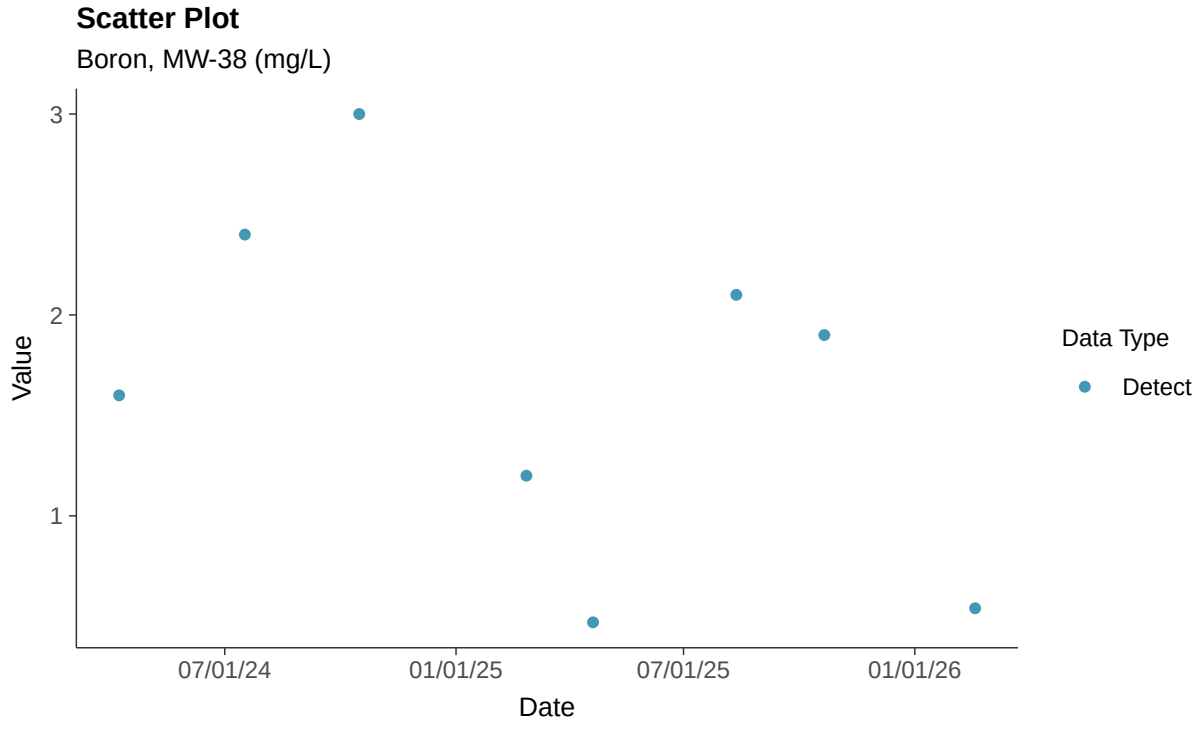
Trend Regression: Piecewise Linear-Linear-Linear

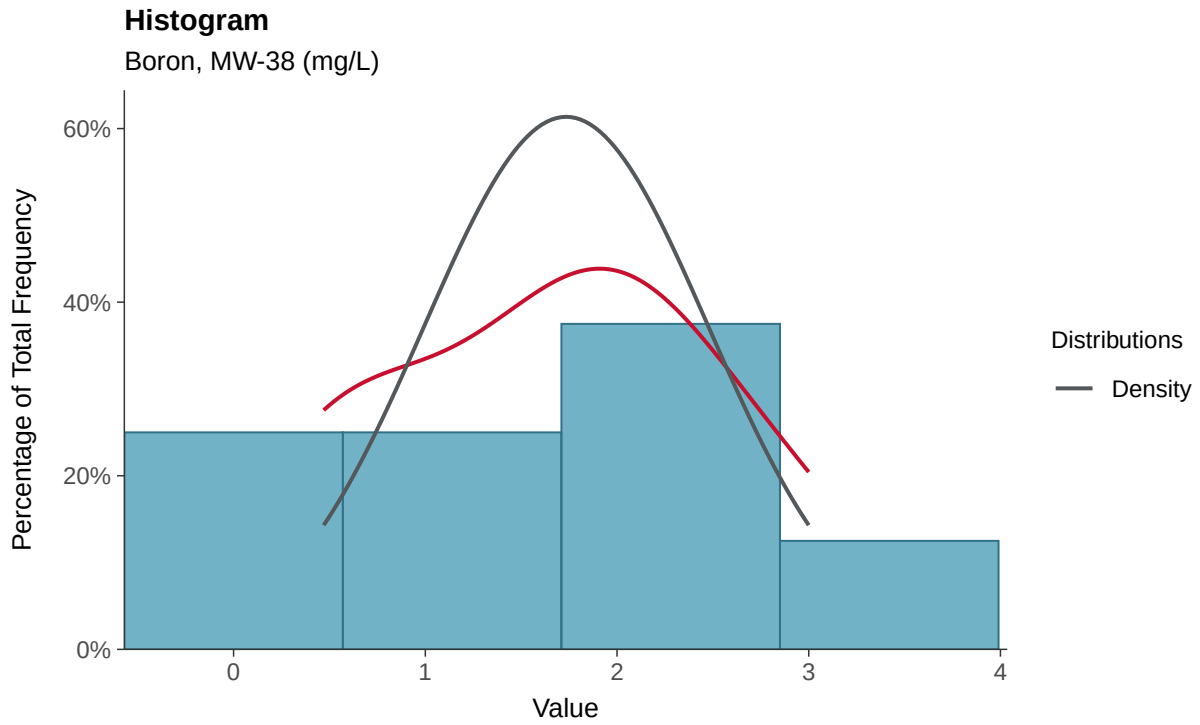
Zinc, MW-37 (mg/L)



Appendix III: Boron, MW-38

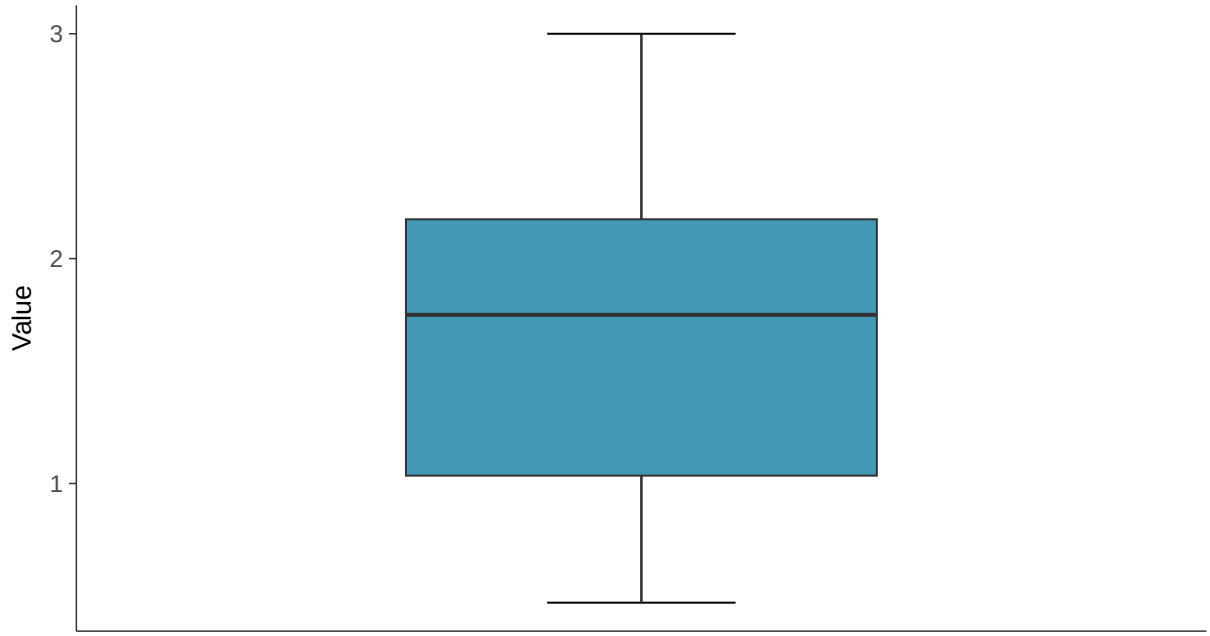
ID: 48_2_3_105





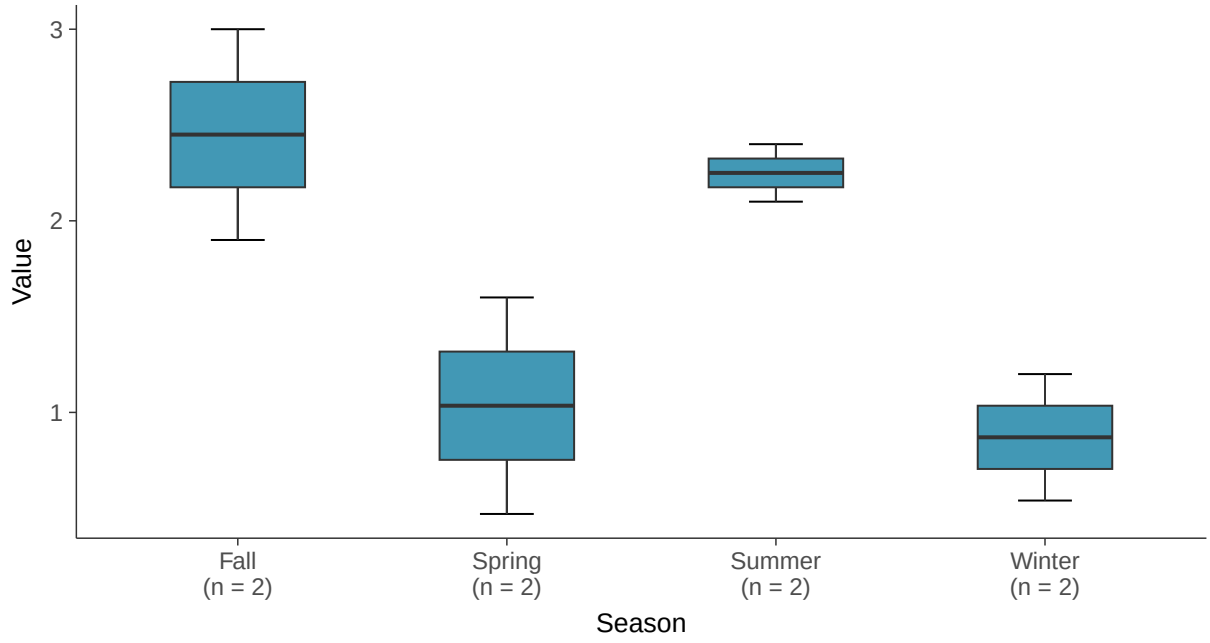
Boxplot

Boron, MW-38 (mg/L)



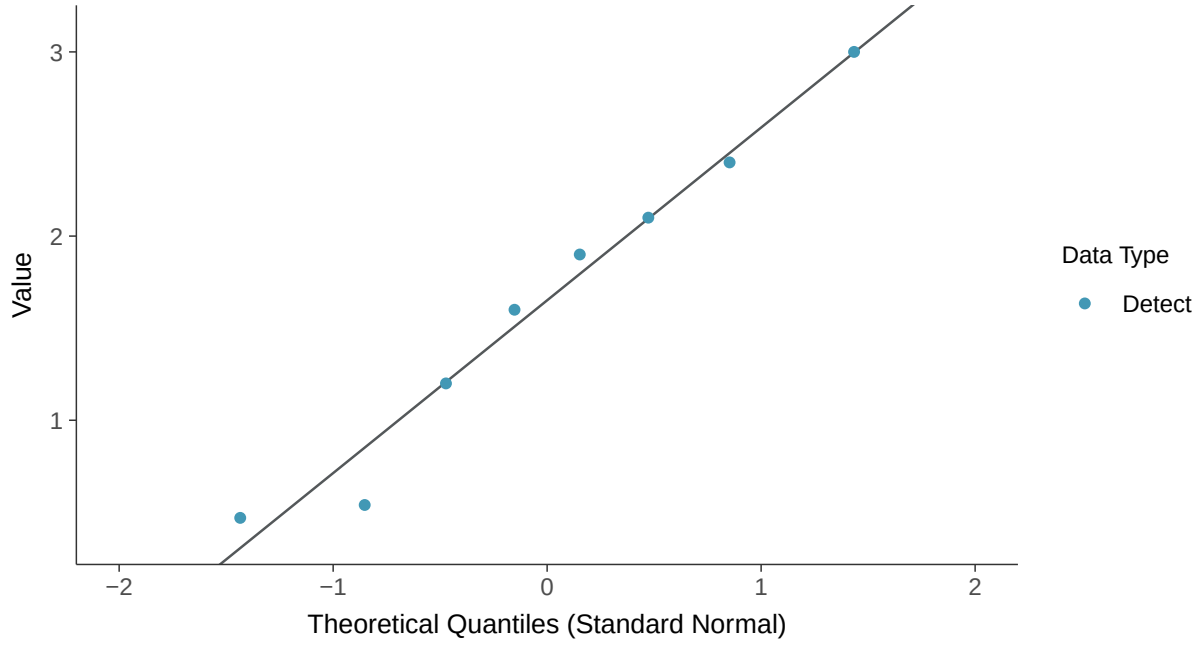
Boxplot by Season

Boron, MW-38 (mg/L)



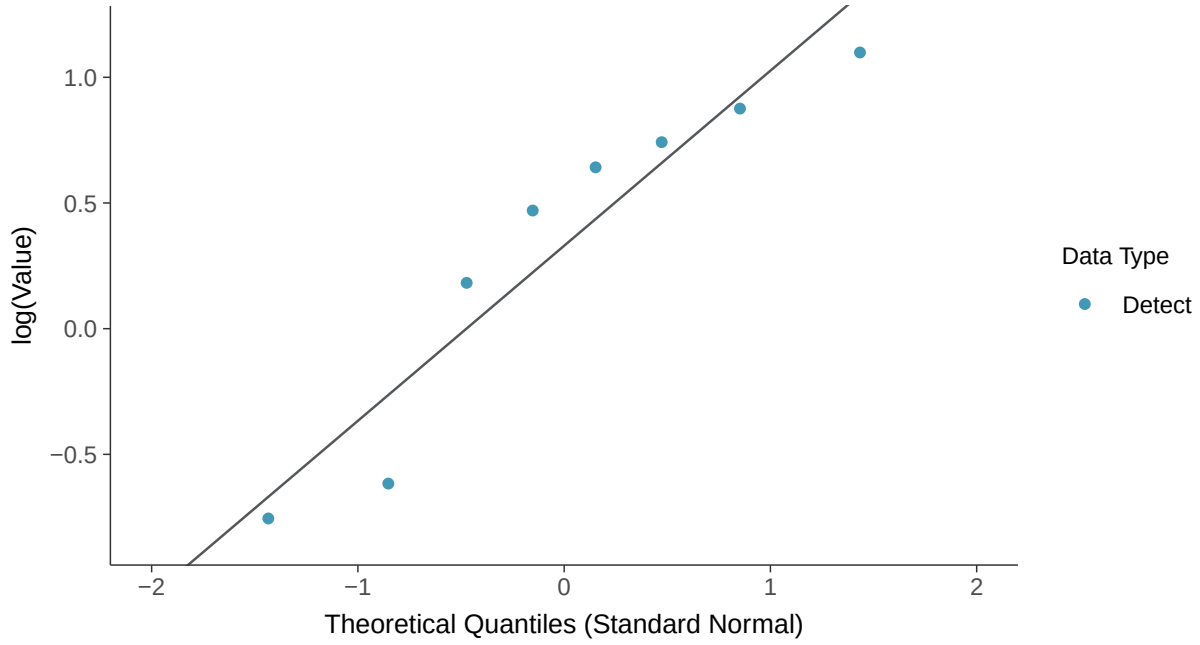
Normal Q-Q plot

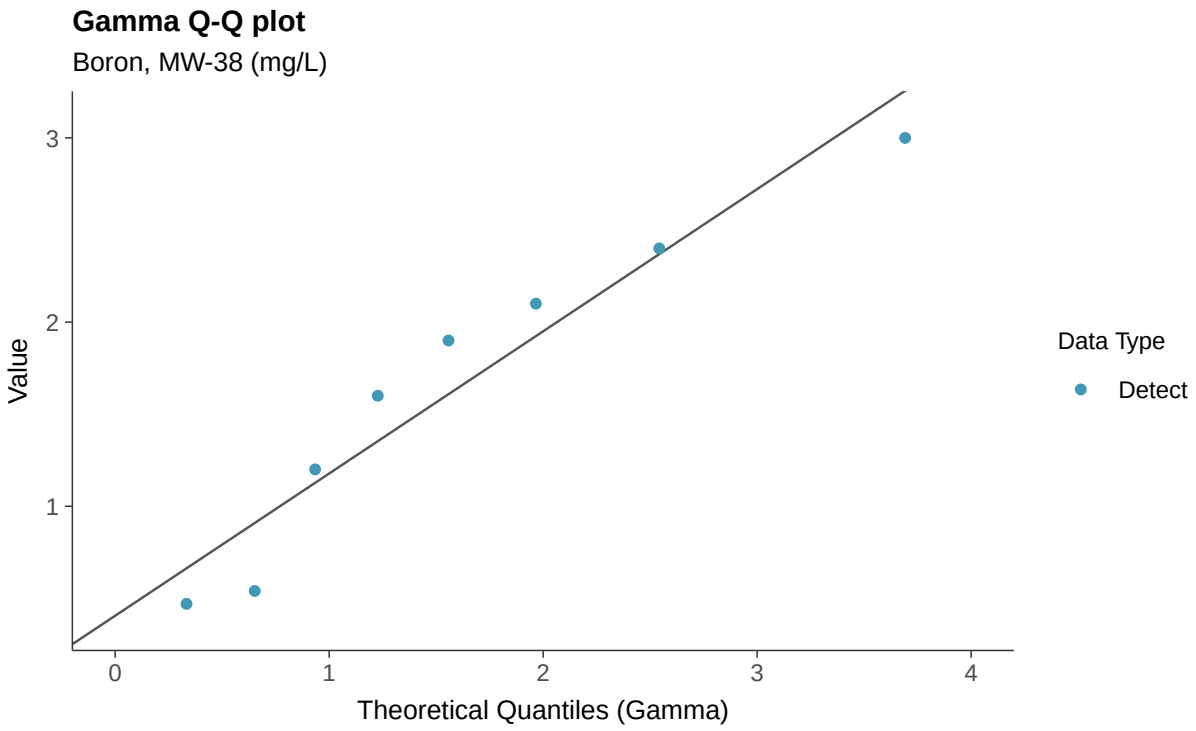
Boron, MW-38 (mg/L)

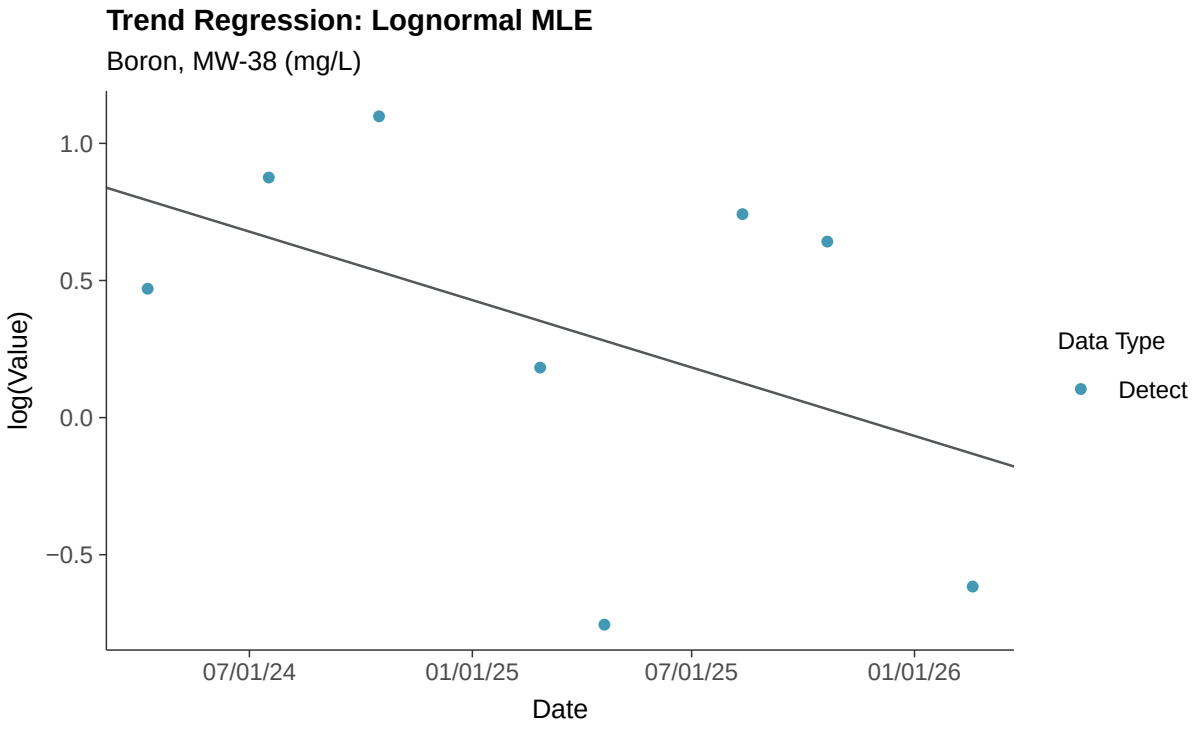


Lognormal Q-Q plot

Boron, MW-38 (mg/L)

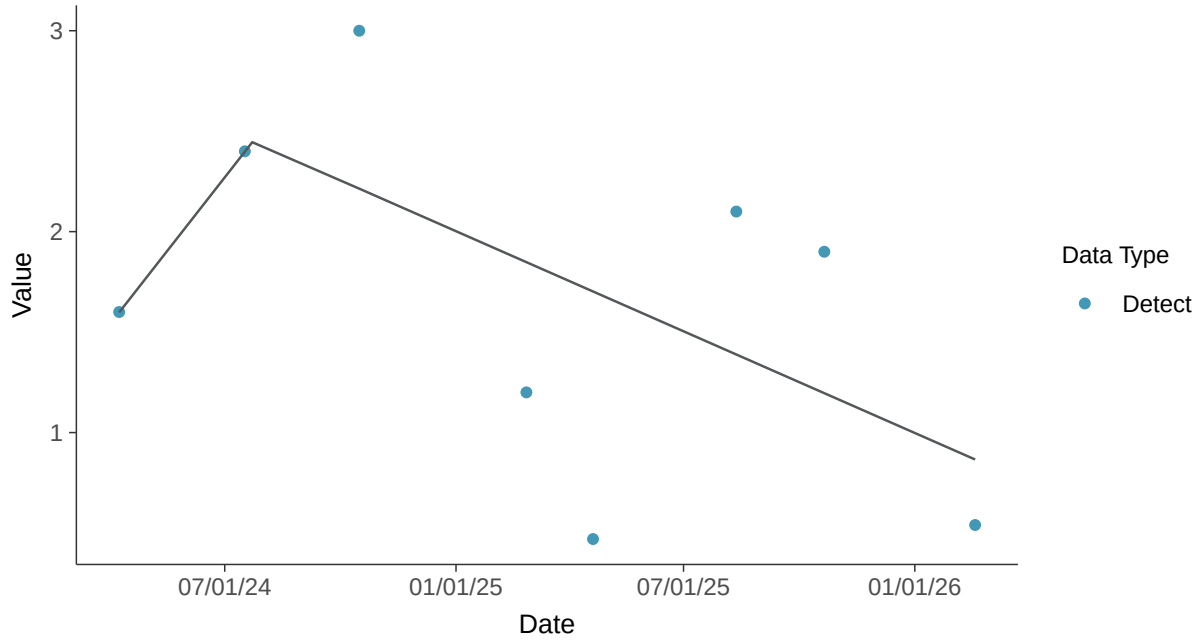



Gamma Q-Q plot
Boron, MW-38 (mg/L)
Value
Theoretical Quantiles (Gamma)
Data Type
Detect


Trend Regression: Lognormal MLE
Boron, MW-38 (mg/L)
log(Value)
Date
07/01/24
01/01/25
07/01/25
01/01/26
Data Type
Detect

Trend Regression: Piecewise Linear-Linear

Boron, MW-38 (mg/L)

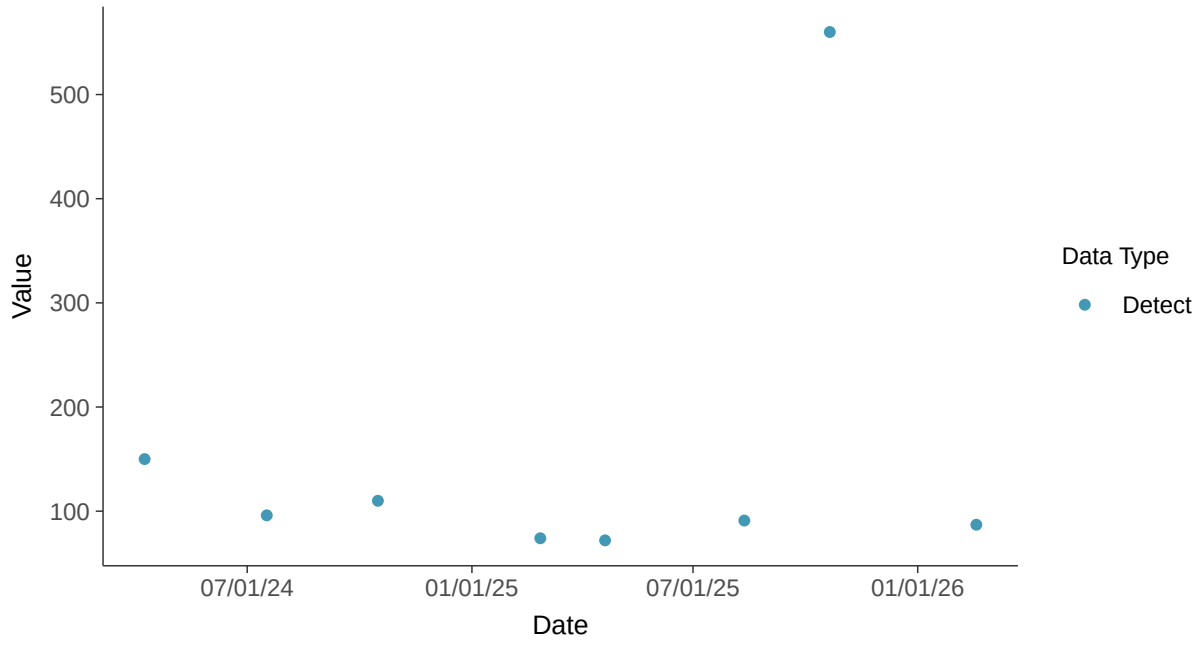


Appendix III: Calcium, MW-38

ID: 48_2_3_107

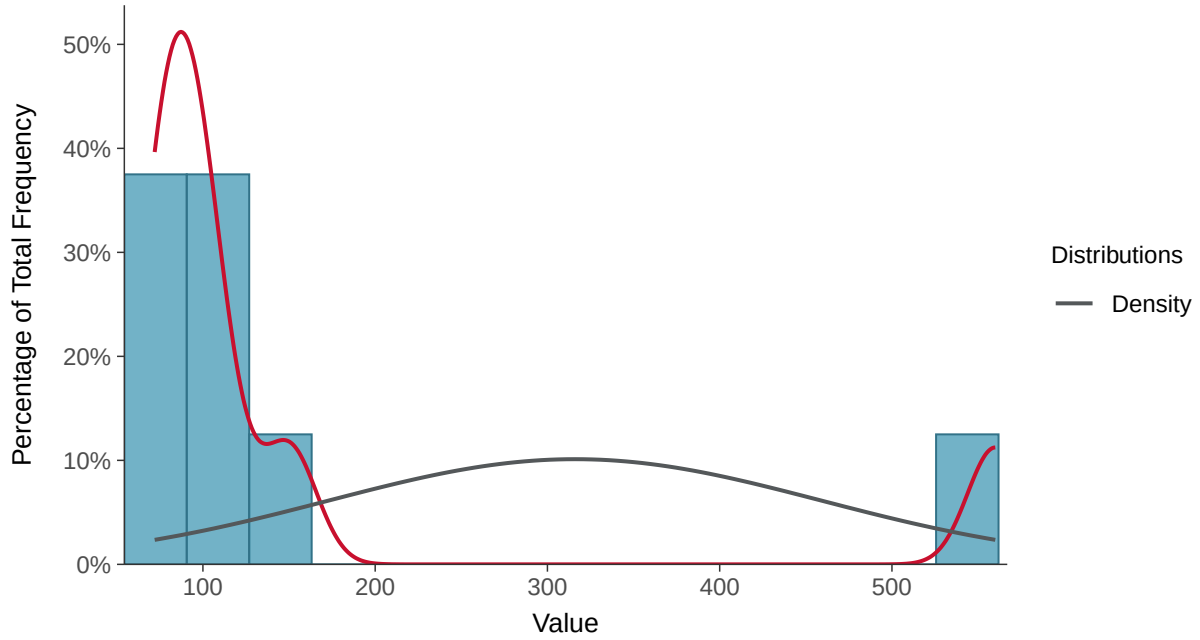
Scatter Plot

Calcium, MW-38 (mg/L)



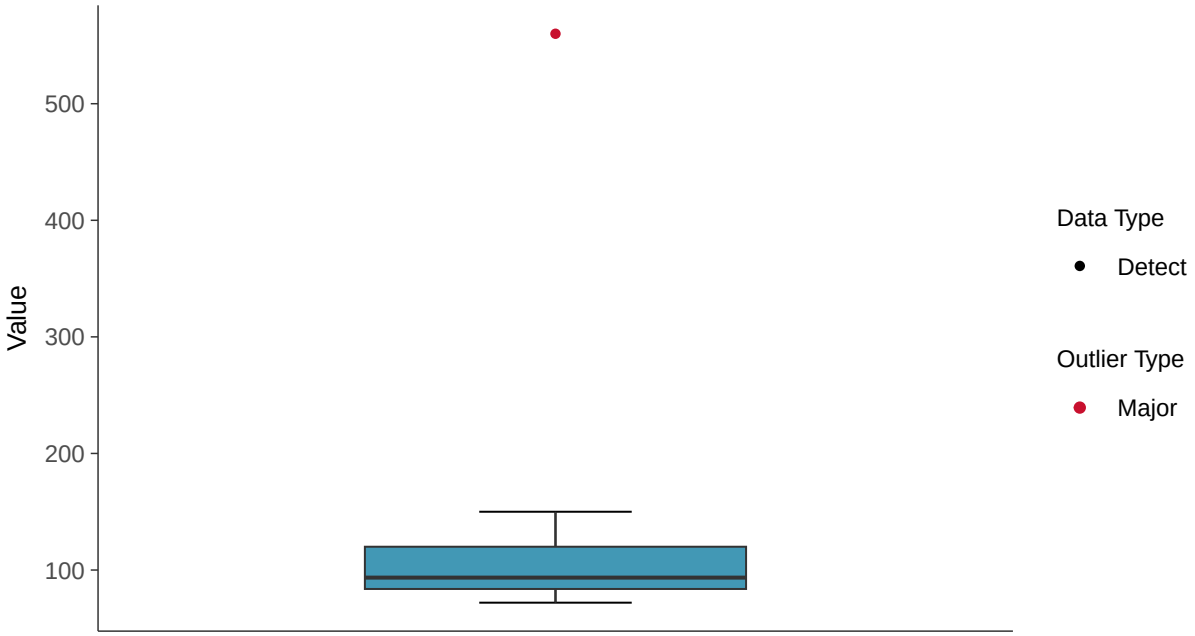
Histogram

Calcium, MW-38 (mg/L)



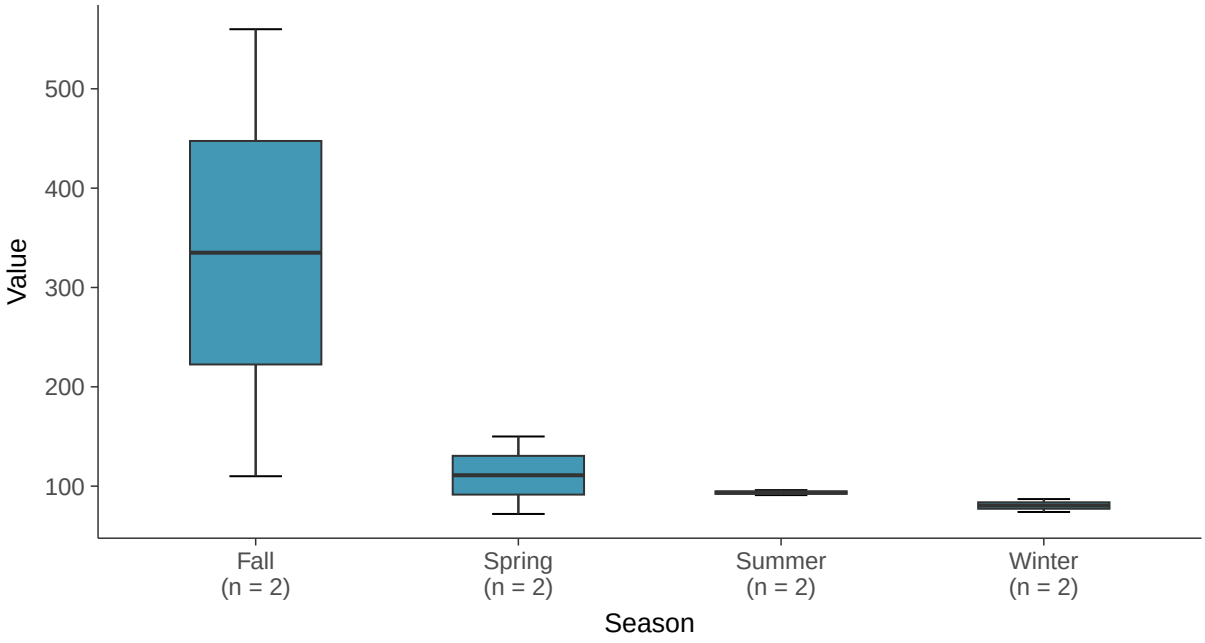
Boxplot

Calcium, MW-38 (mg/L)



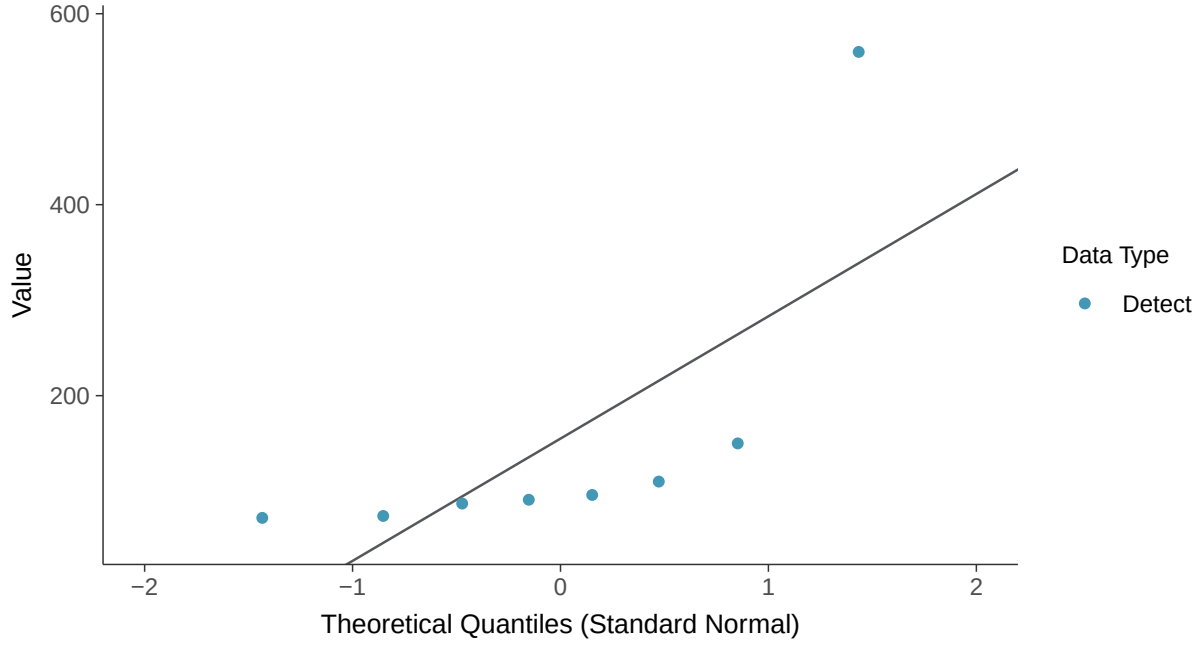
Boxplot by Season

Calcium, MW-38 (mg/L)



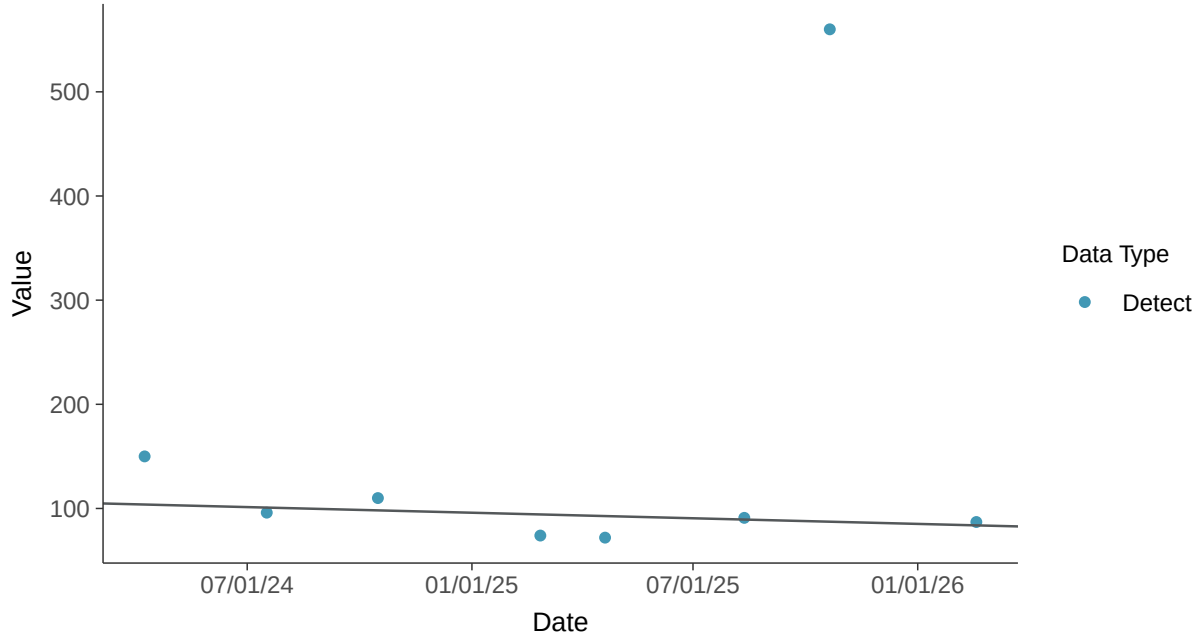
Normal Q-Q plot

Calcium, MW-38 (mg/L)



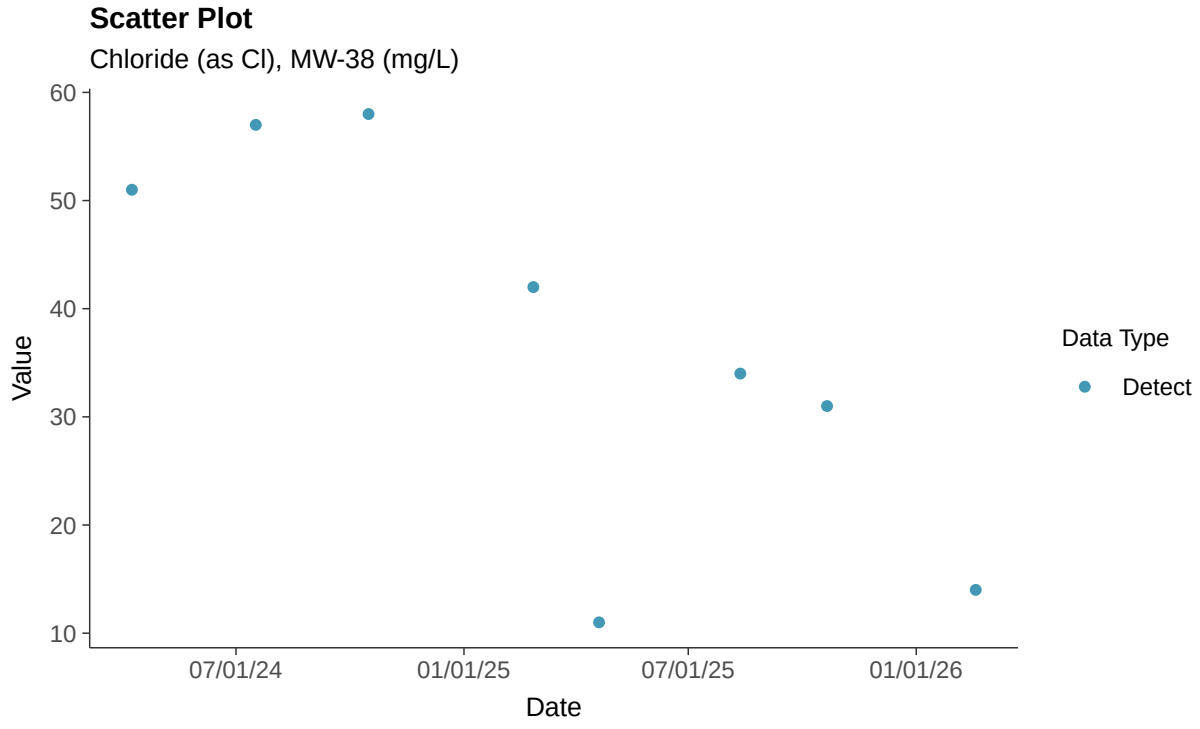
Trend Regression: Mann-Kendall/Theil-Sen Estimate

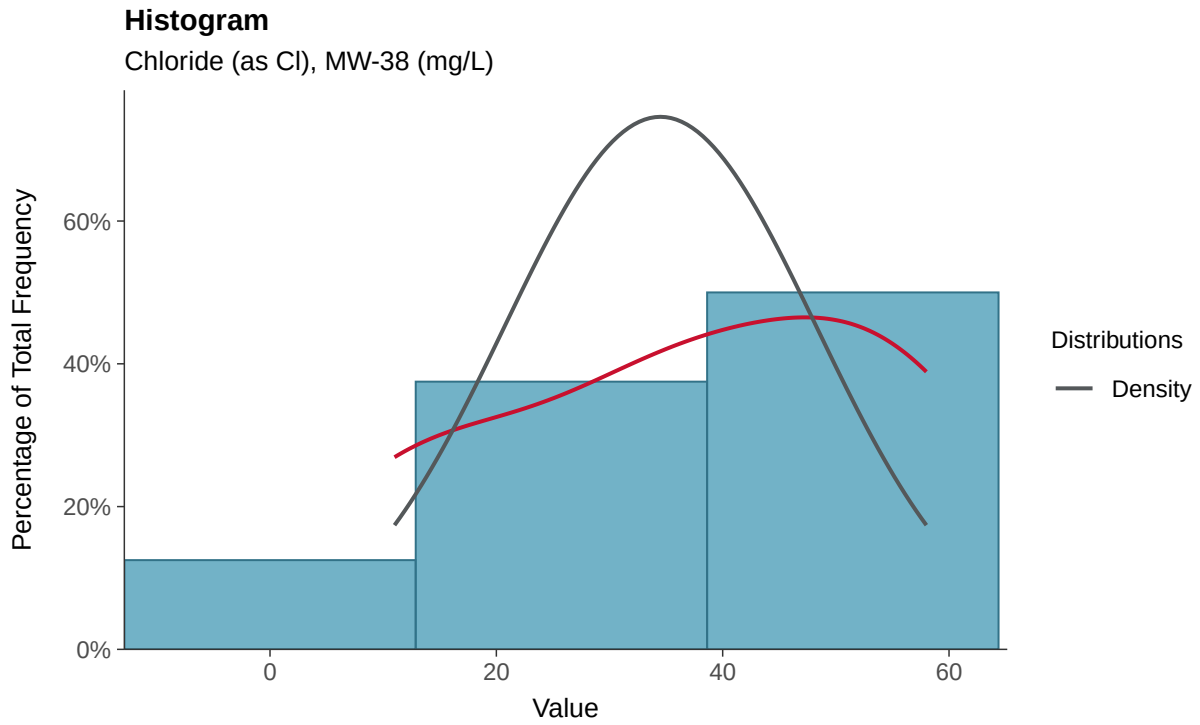
Calcium, MW-38 (mg/L)



Appendix III: Chloride (as Cl), MW-38

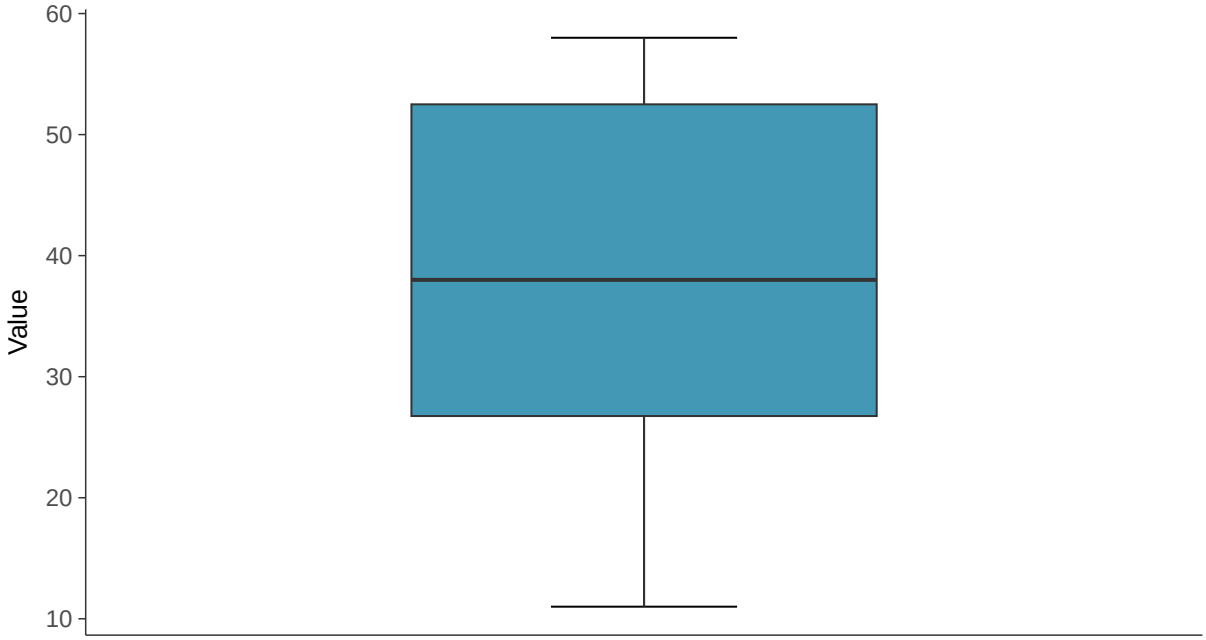
ID: 48_2_3_108





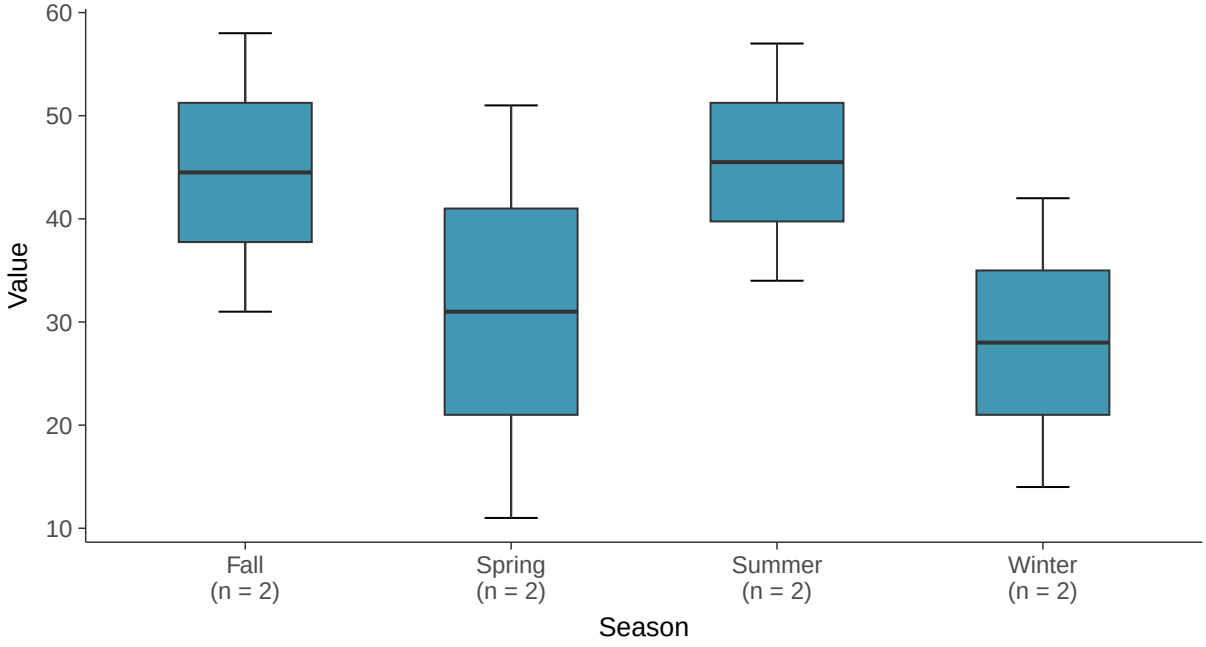
Boxplot

Chloride (as Cl), MW-38 (mg/L)



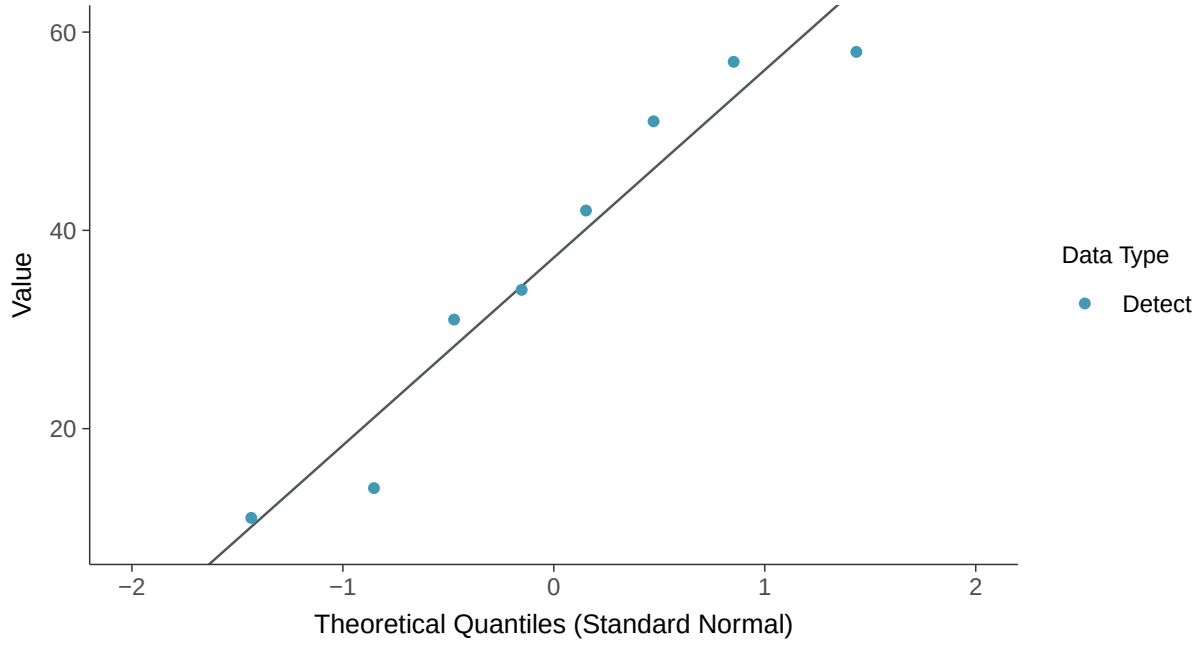
Boxplot by Season

Chloride (as Cl), MW-38 (mg/L)



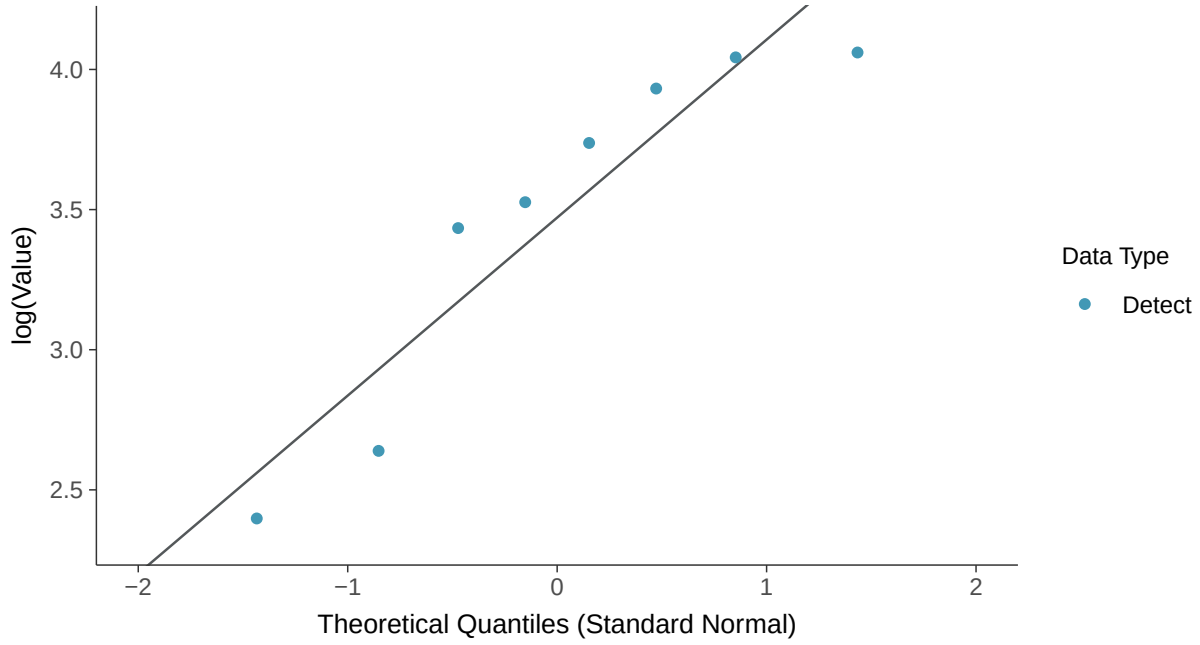
Normal Q-Q plot

Chloride (as Cl), MW-38 (mg/L)



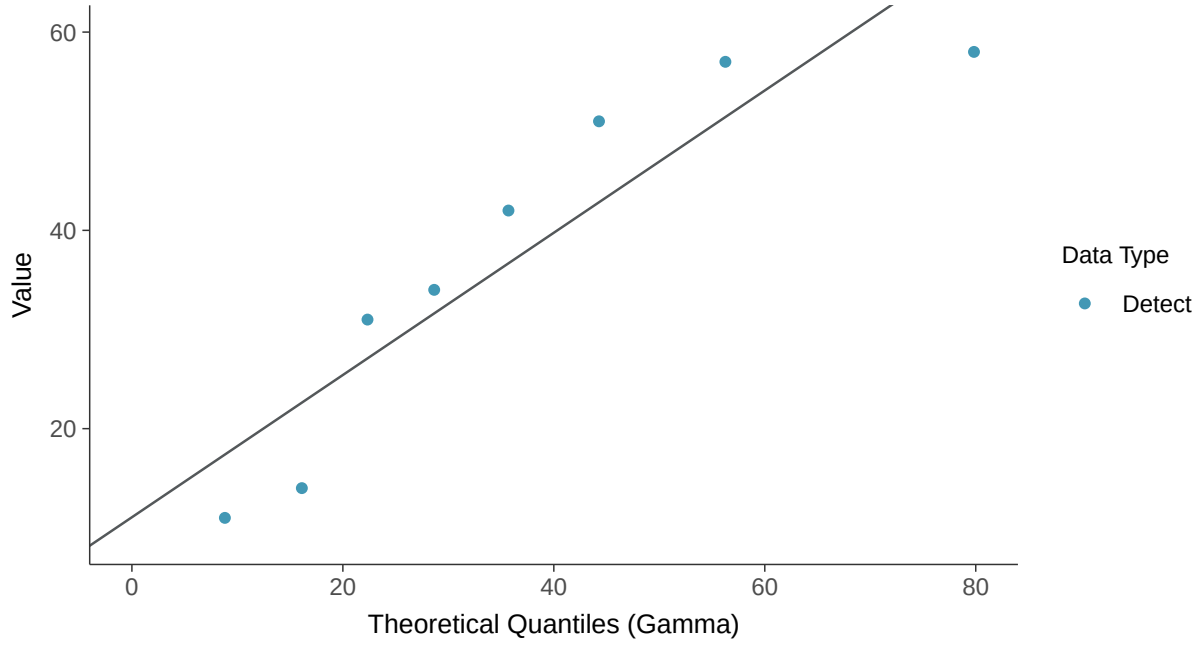
Lognormal Q-Q plot

Chloride (as Cl), MW-38 (mg/L)



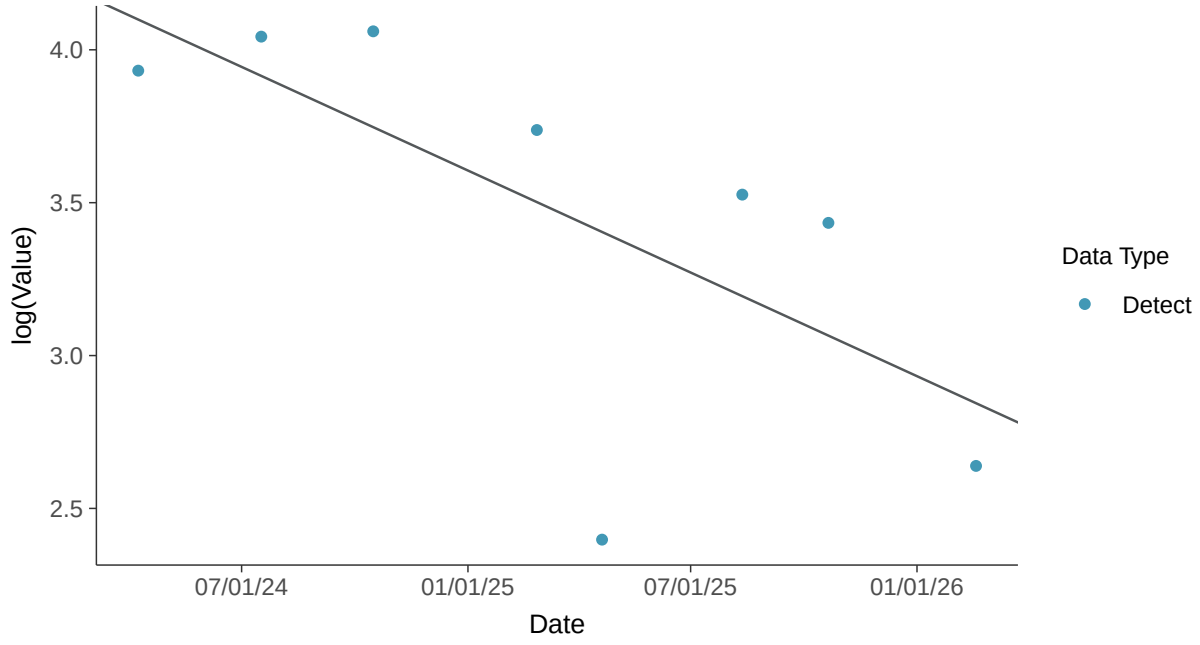
Gamma Q-Q plot

Chloride (as Cl), MW-38 (mg/L)



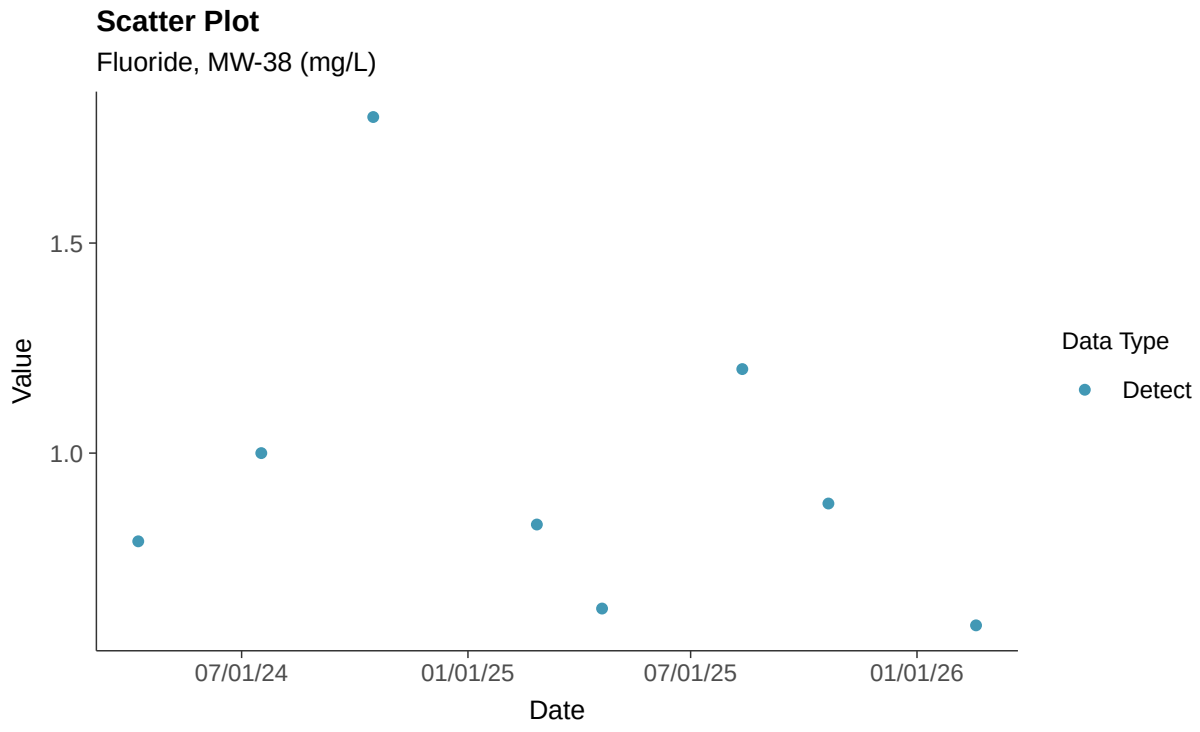
Trend Regression: Lognormal MLE

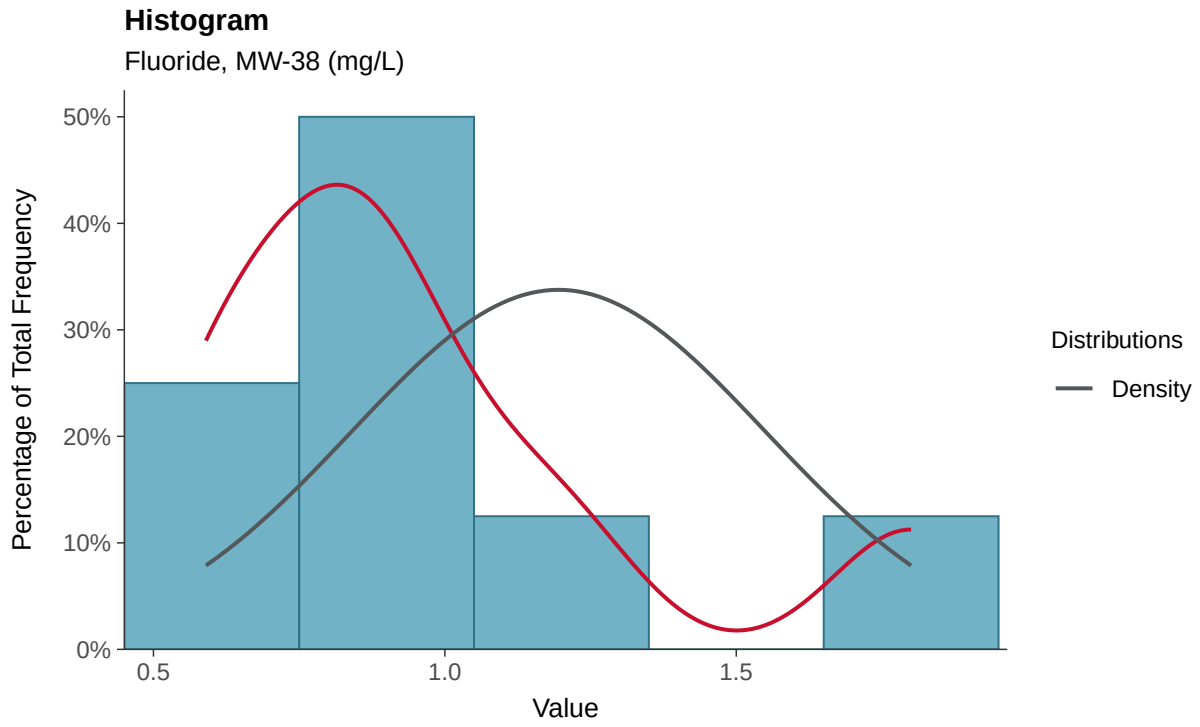
Chloride (as Cl), MW-38 (mg/L)



Appendix III: Fluoride, MW-38

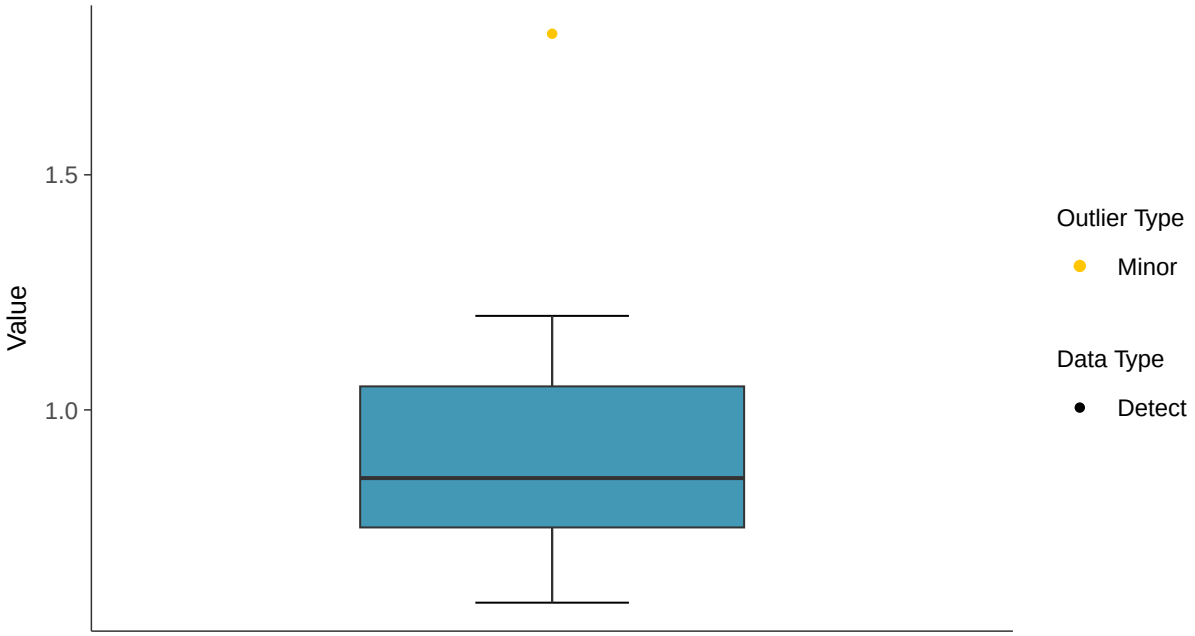
ID: 48_2_3_112





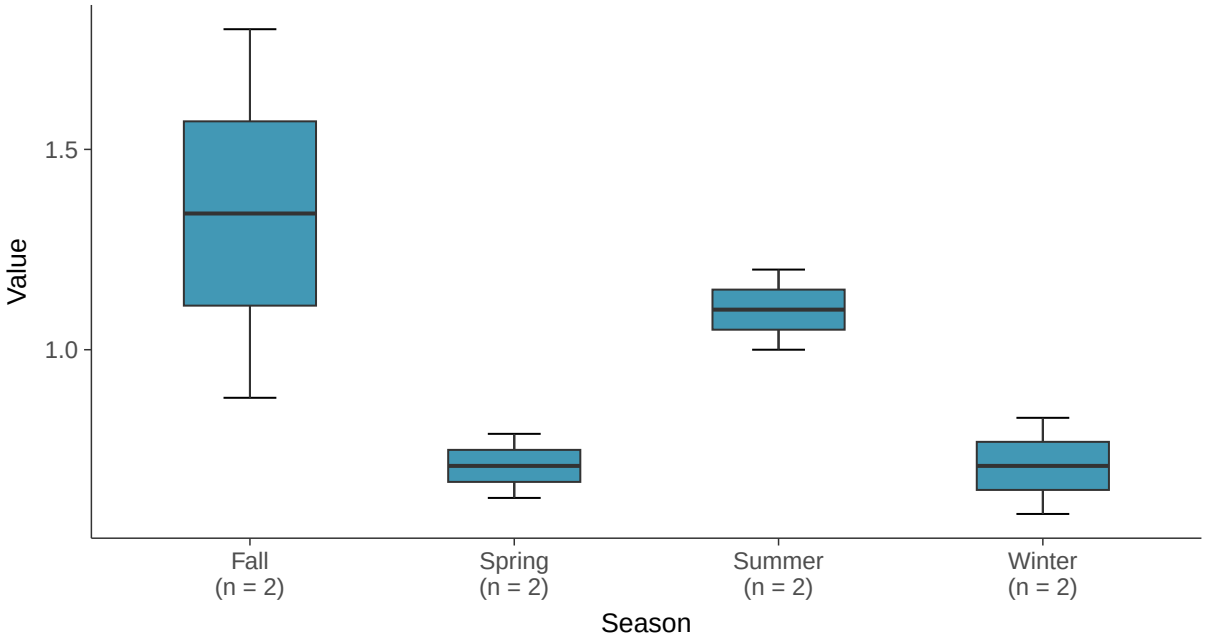
Boxplot

Fluoride, MW-38 (mg/L)



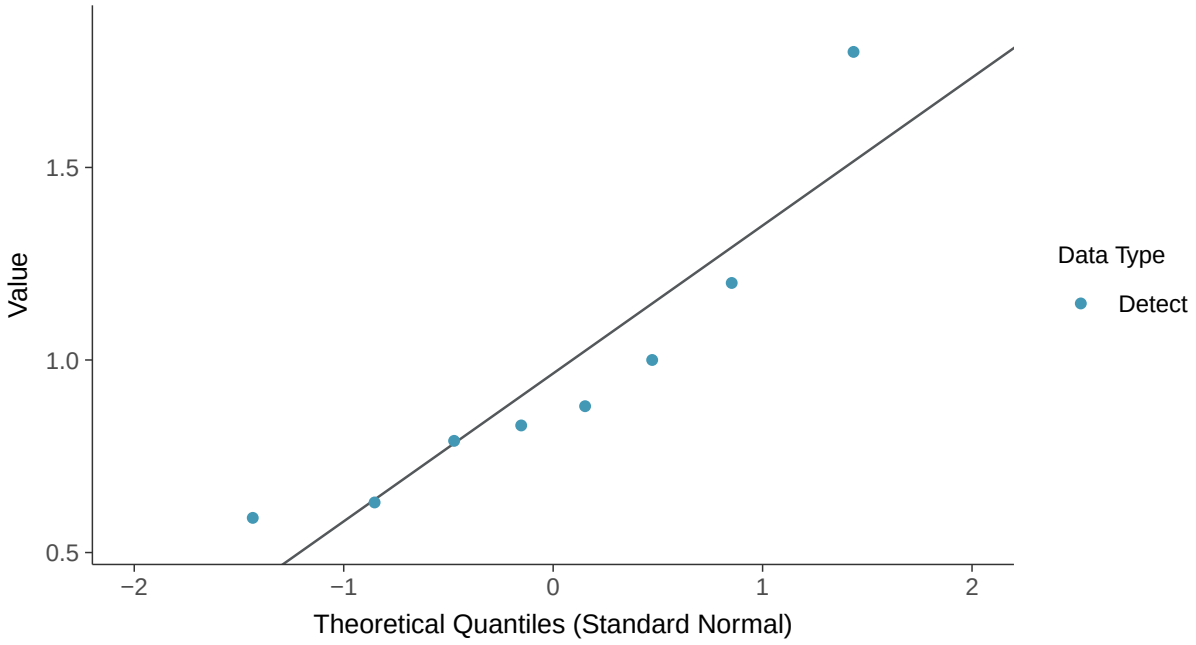
Boxplot by Season

Fluoride, MW-38 (mg/L)



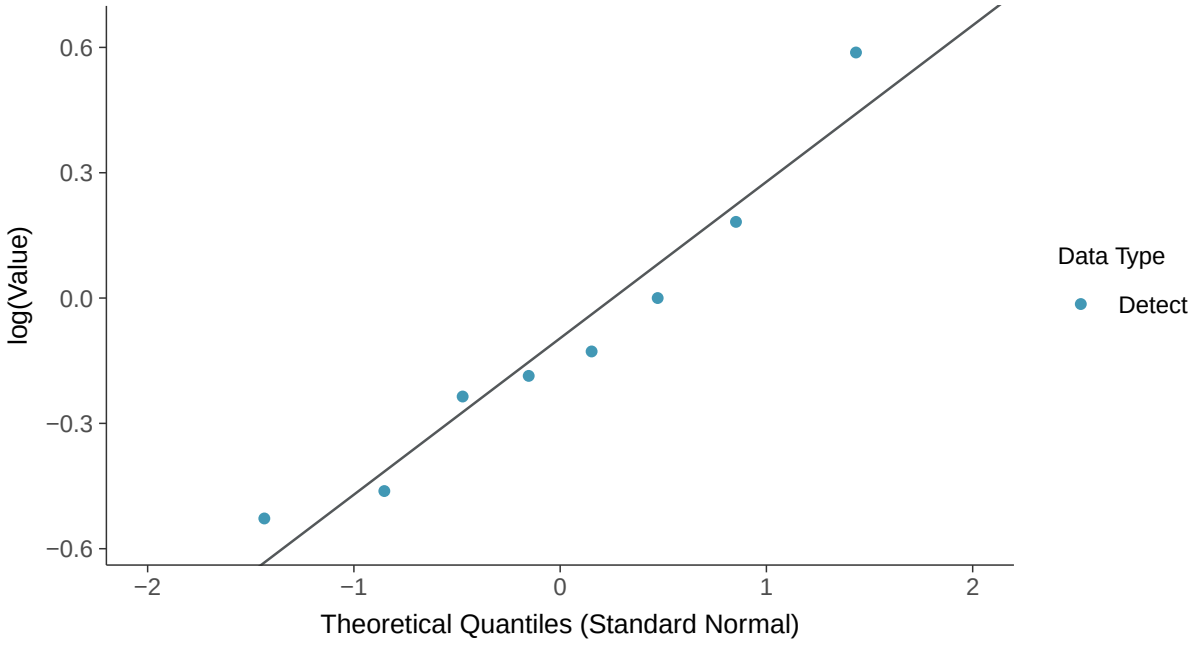
Normal Q-Q plot

Fluoride, MW-38 (mg/L)



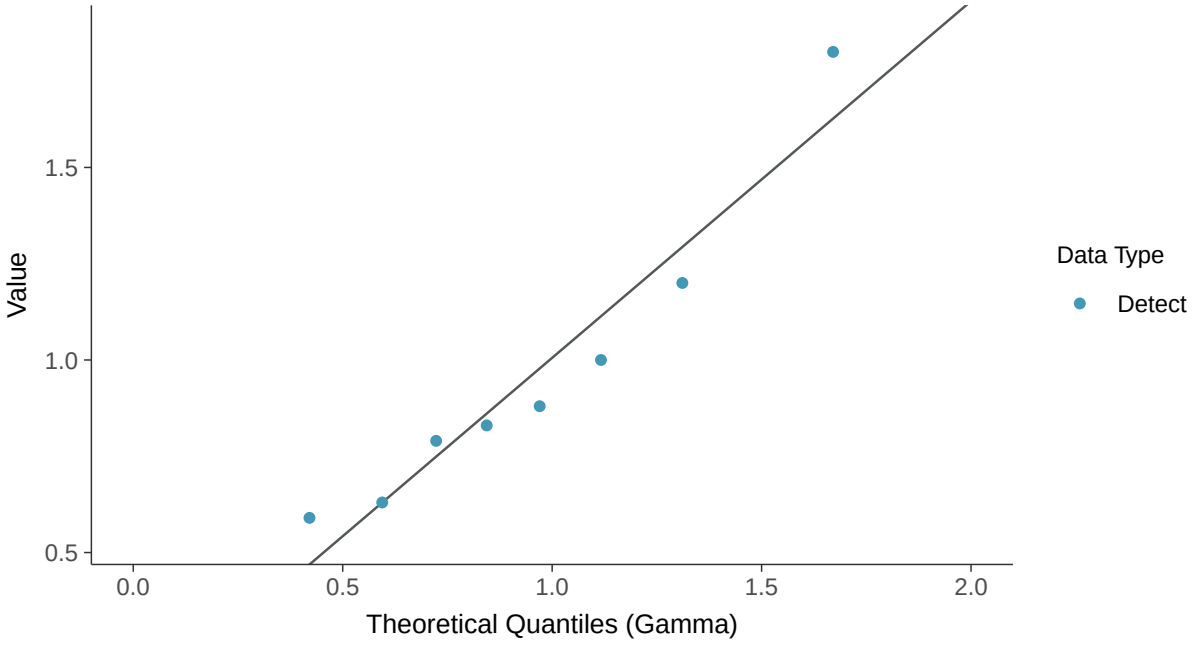
Lognormal Q-Q plot

Fluoride, MW-38 (mg/L)



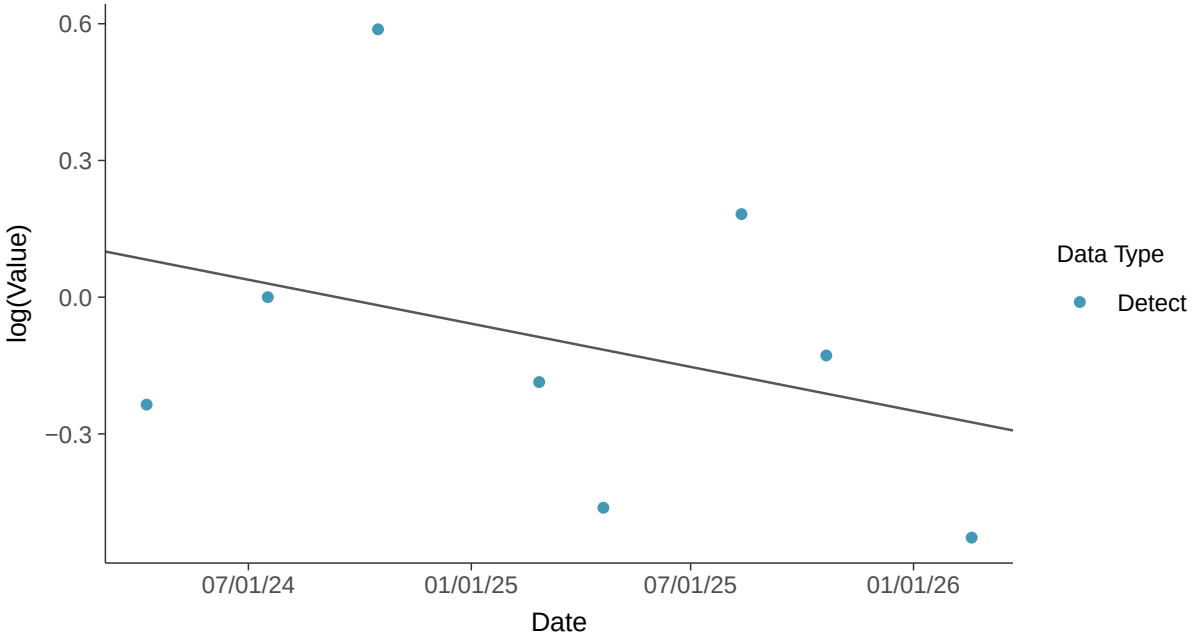
Gamma Q-Q plot

Fluoride, MW-38 (mg/L)



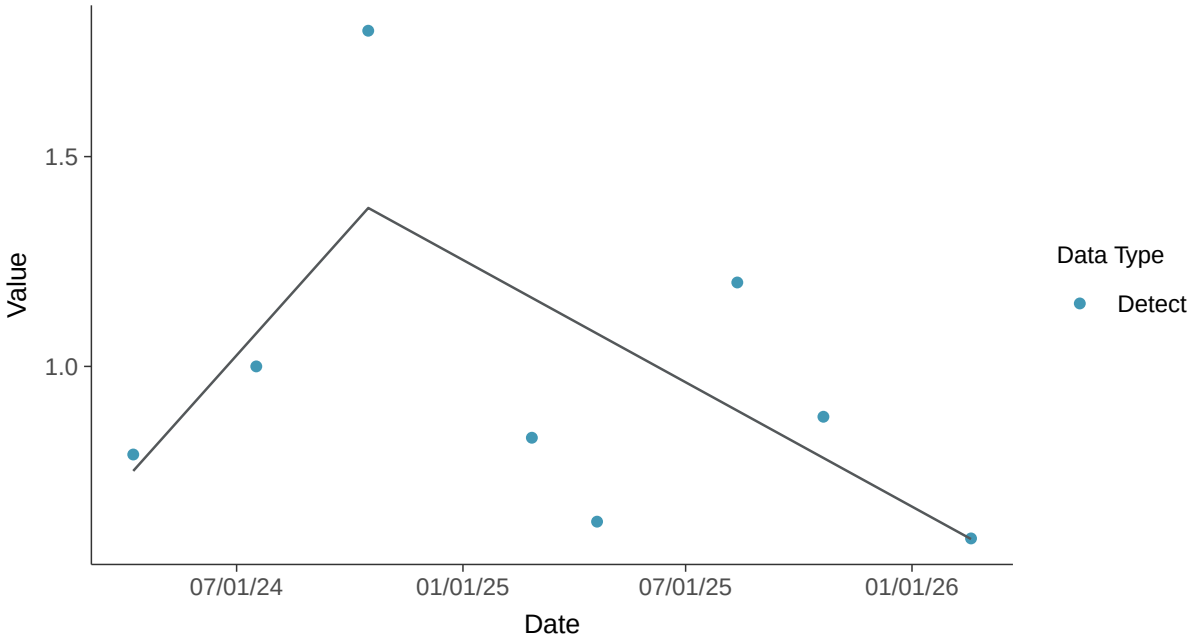
Trend Regression: Lognormal MLE

Fluoride, MW-38 (mg/L)



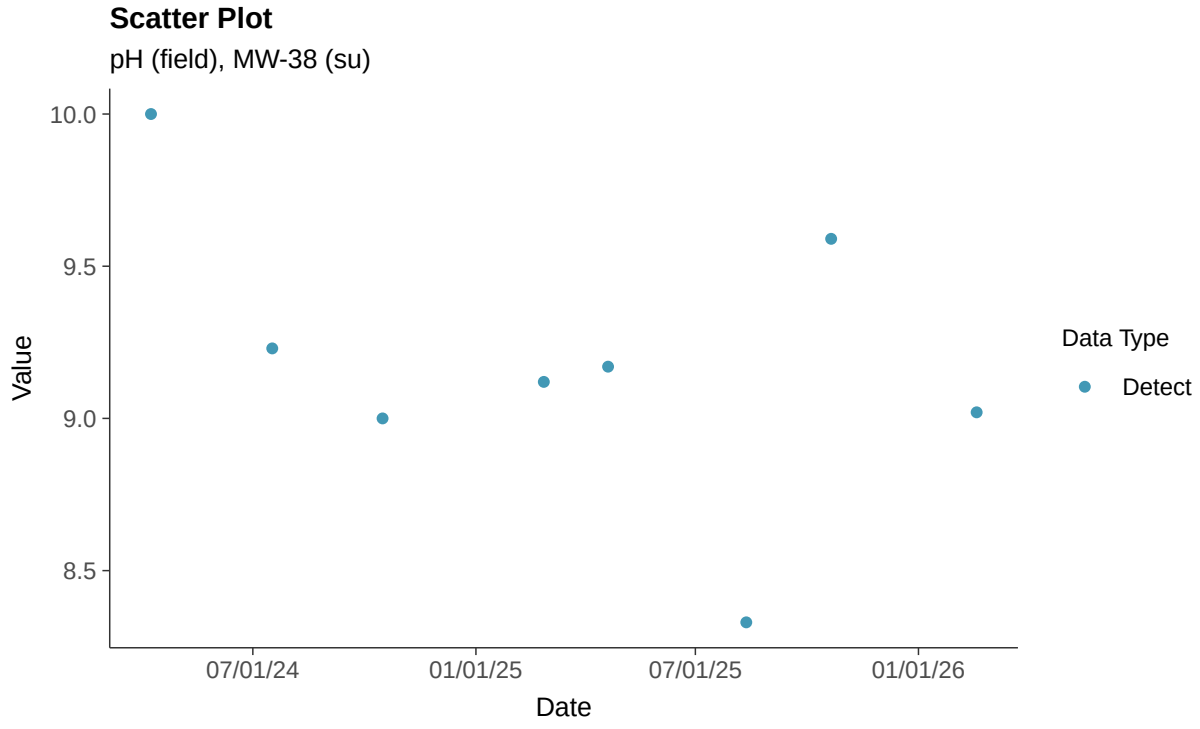
Trend Regression: Piecewise Linear-Linear

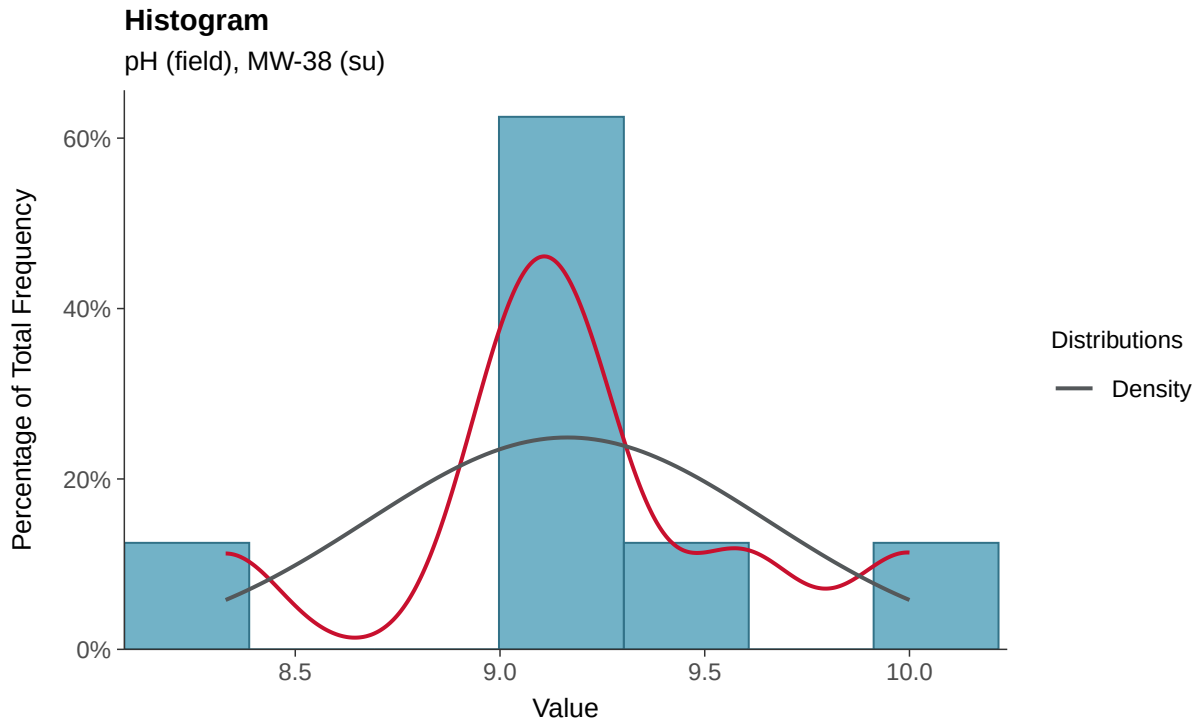
Fluoride, MW-38 (mg/L)



Appendix III: pH (field), MW-38

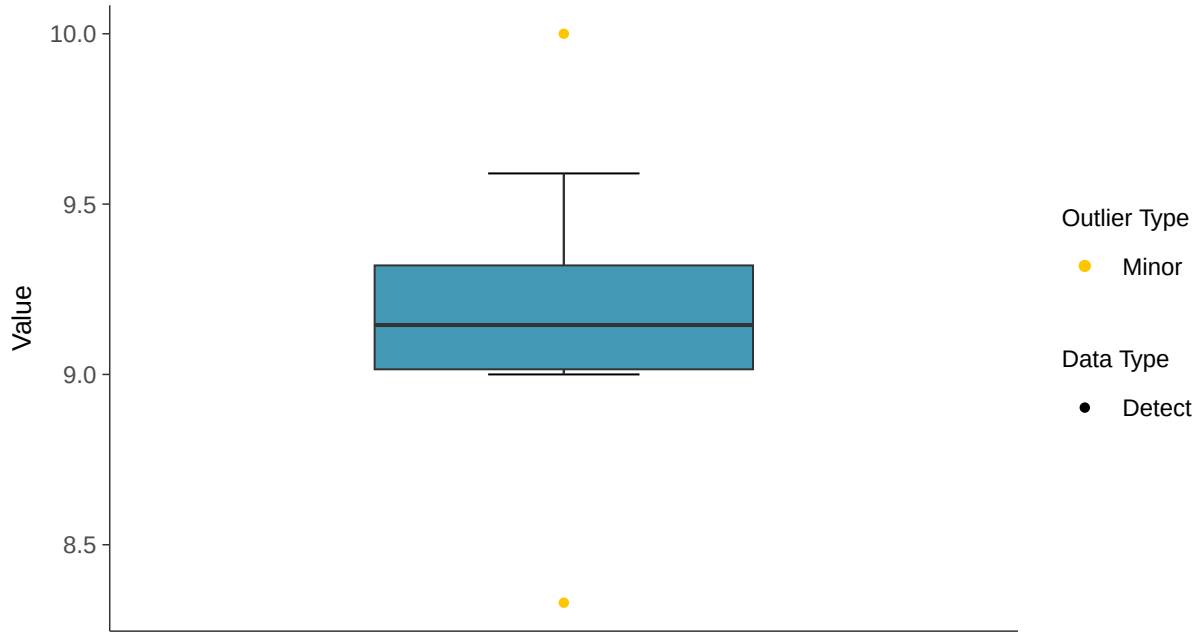
ID: 48_2_3_120





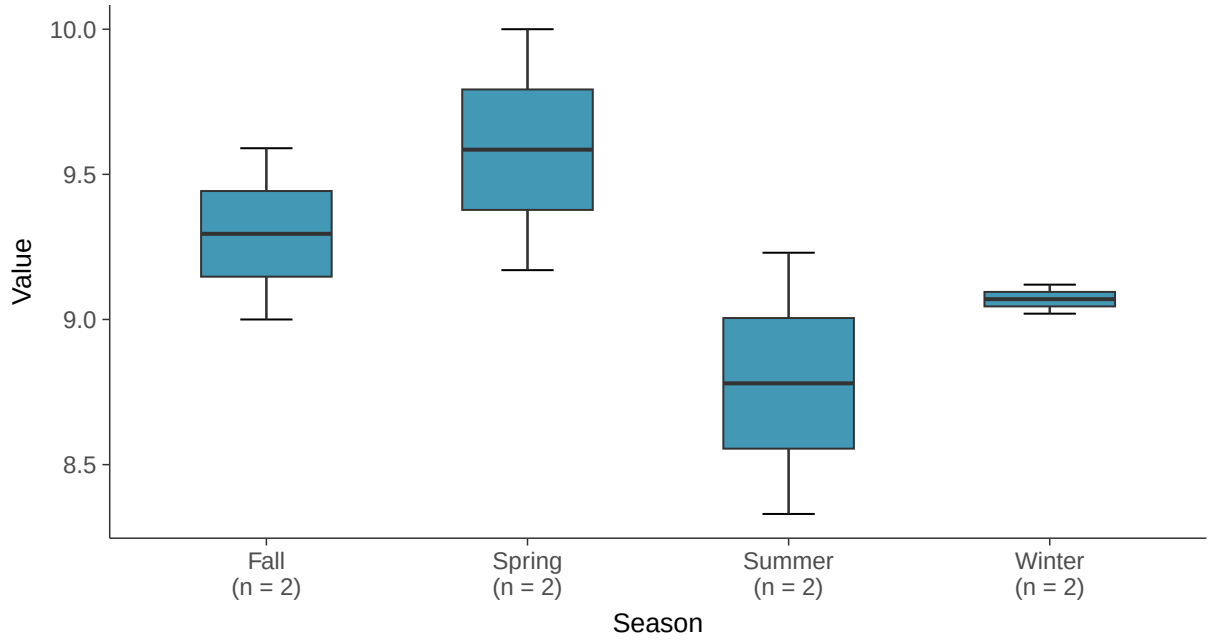
Boxplot

pH (field), MW-38 (su)



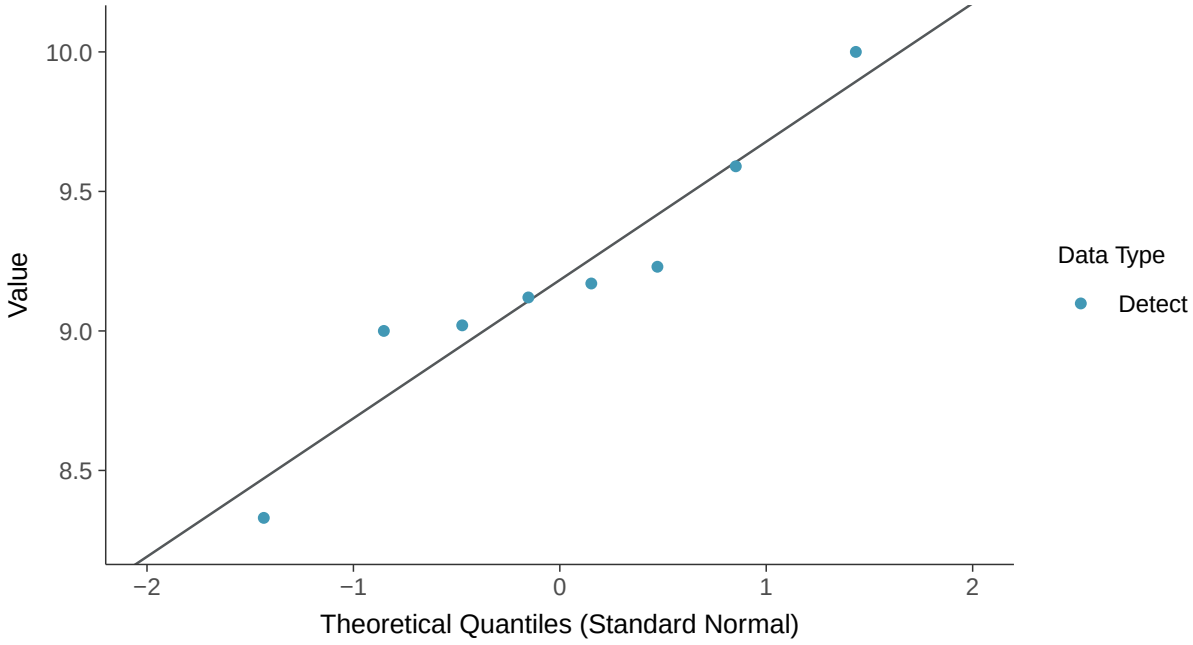
Boxplot by Season

pH (field), MW-38 (su)



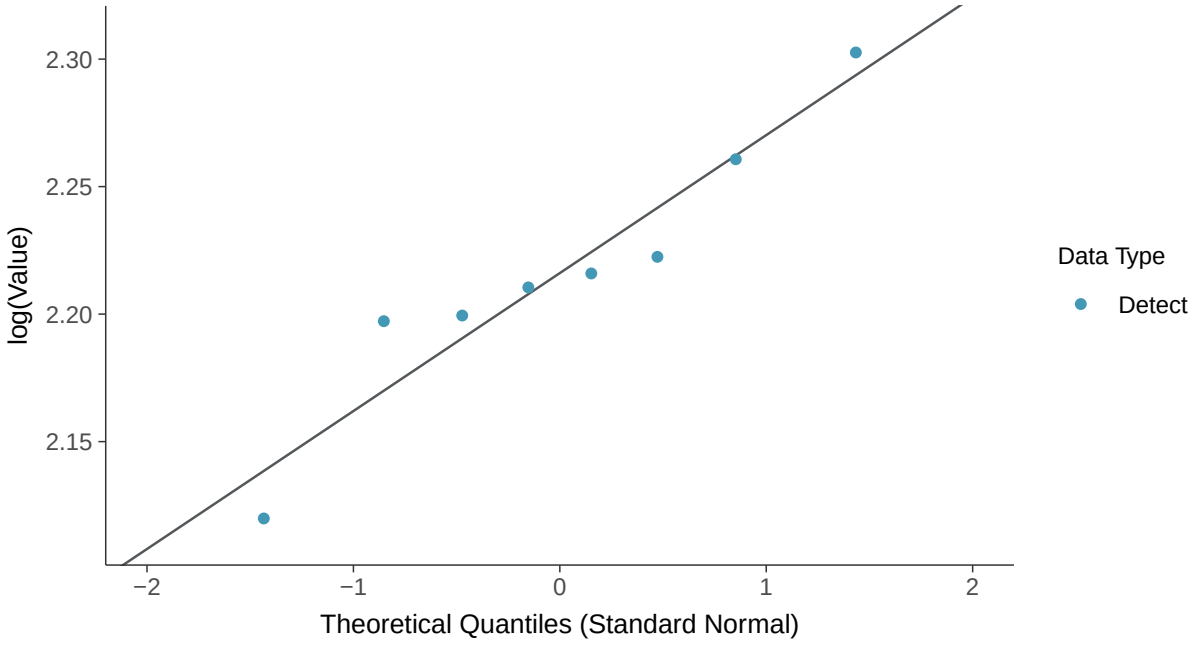
Normal Q-Q plot

pH (field), MW-38 (su)



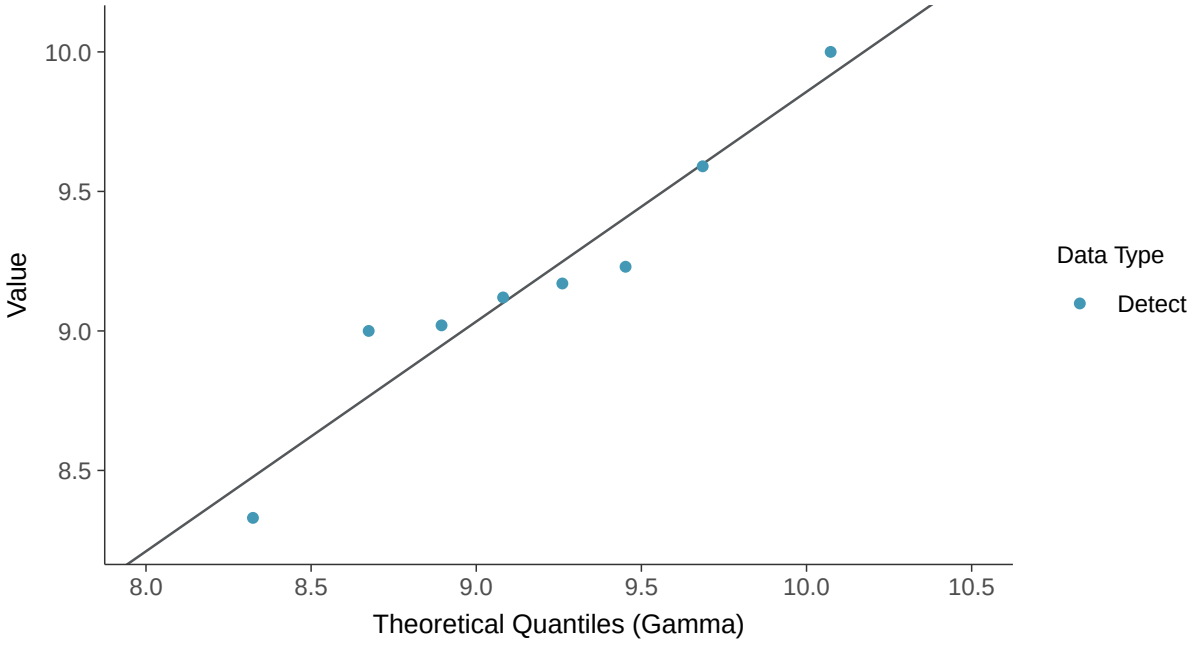
Lognormal Q-Q plot

pH (field), MW-38 (su)



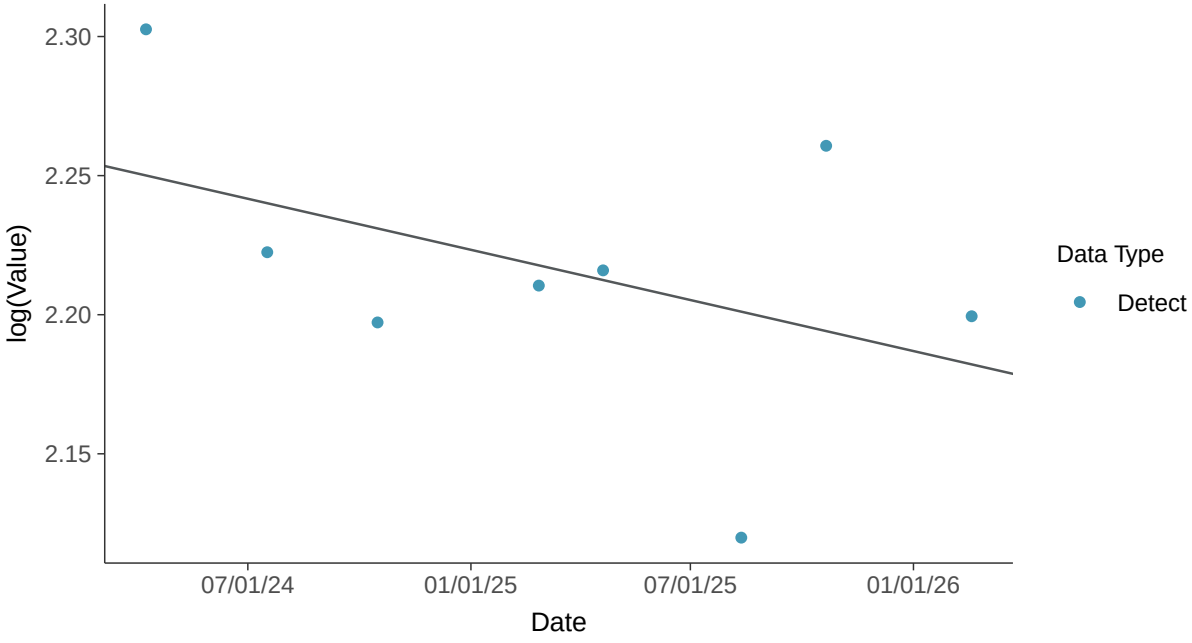
Gamma Q-Q plot

pH (field), MW-38 (su)



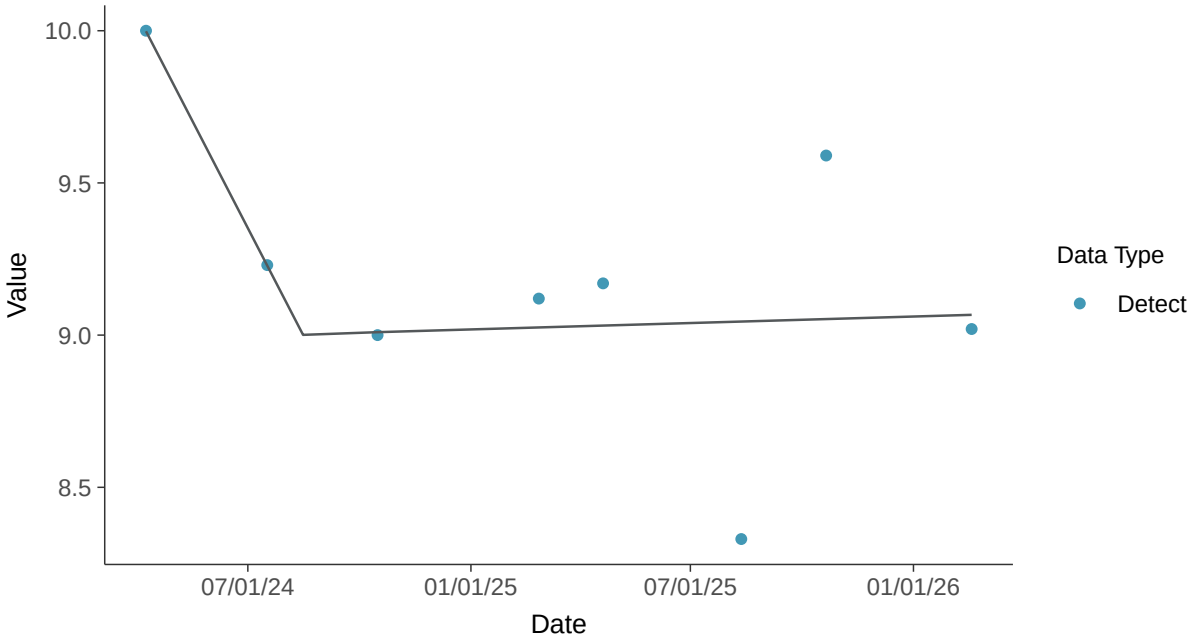
Trend Regression: Lognormal MLE

pH (field), MW-38 (su)



Trend Regression: Piecewise Linear-Linear

pH (field), MW-38 (su)

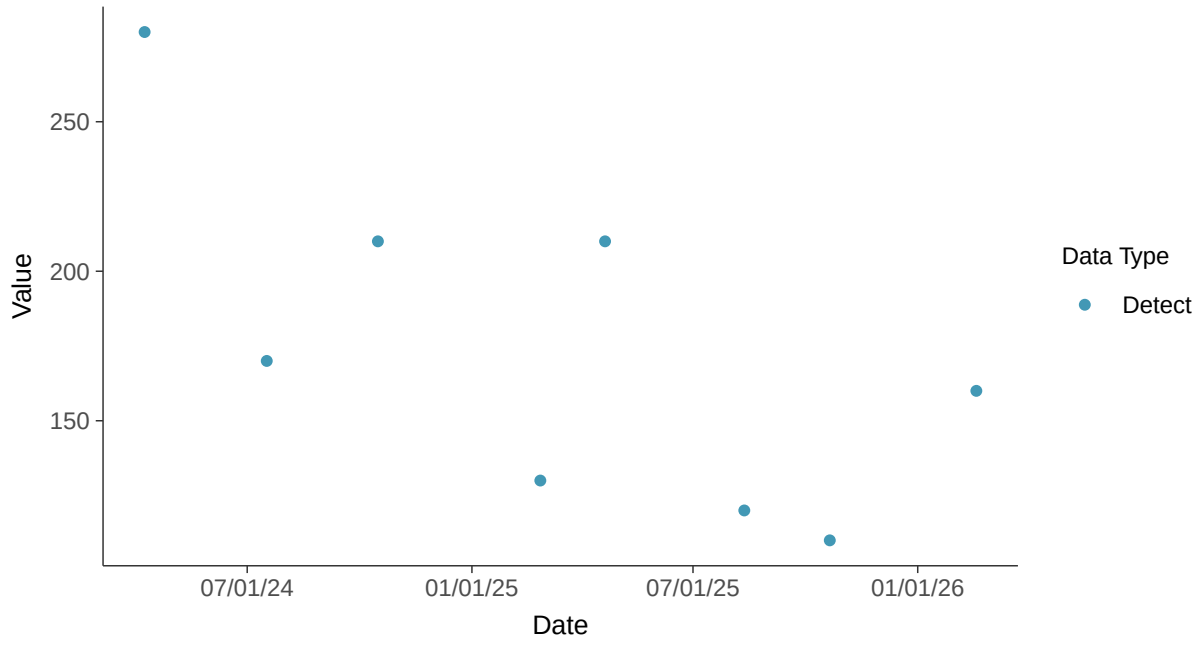


Appendix III: Sulfate (as SO4), MW-38

ID: 48_2_3_124

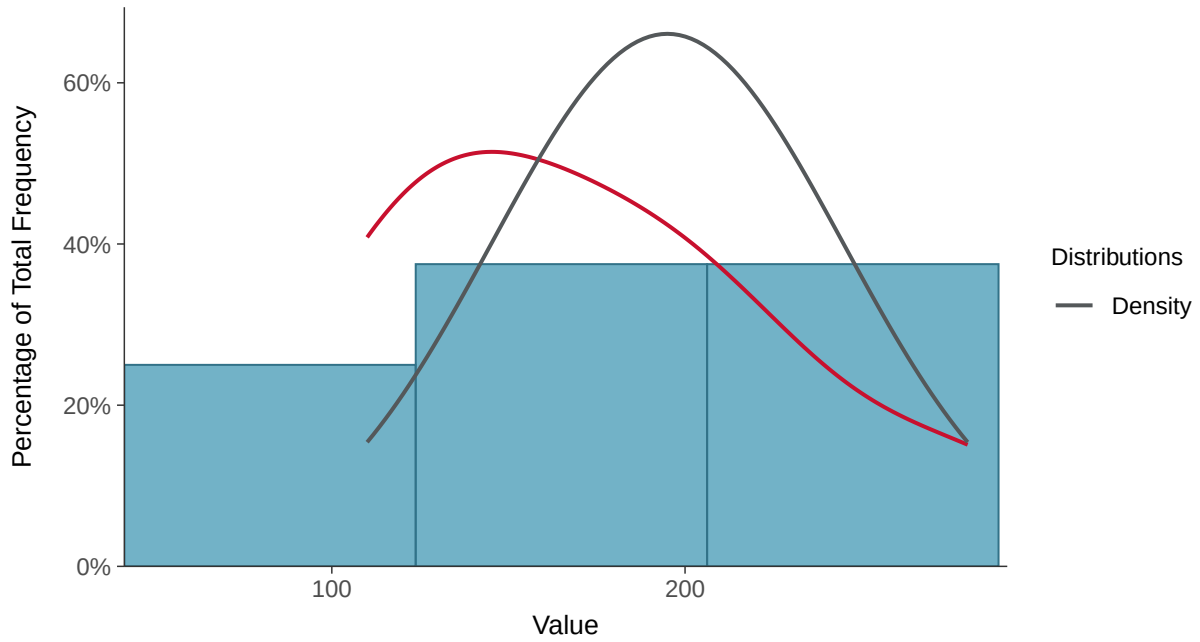
Scatter Plot

Sulfate (as SO4), MW-38 (mg/L)



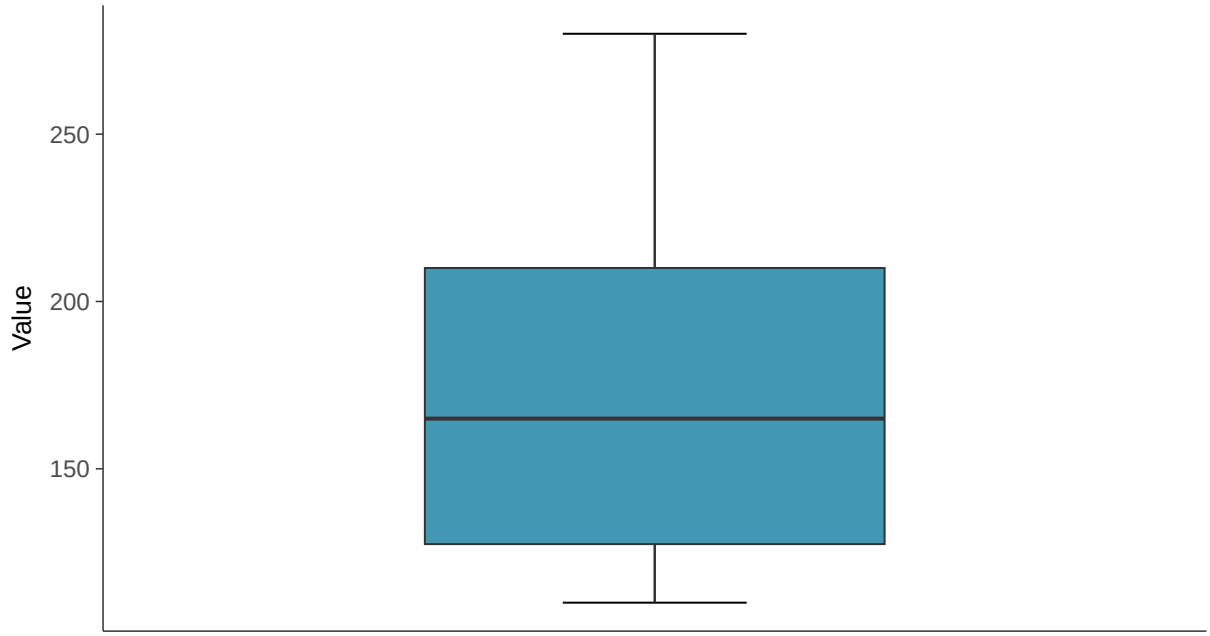
Histogram

Sulfate (as SO4), MW-38 (mg/L)



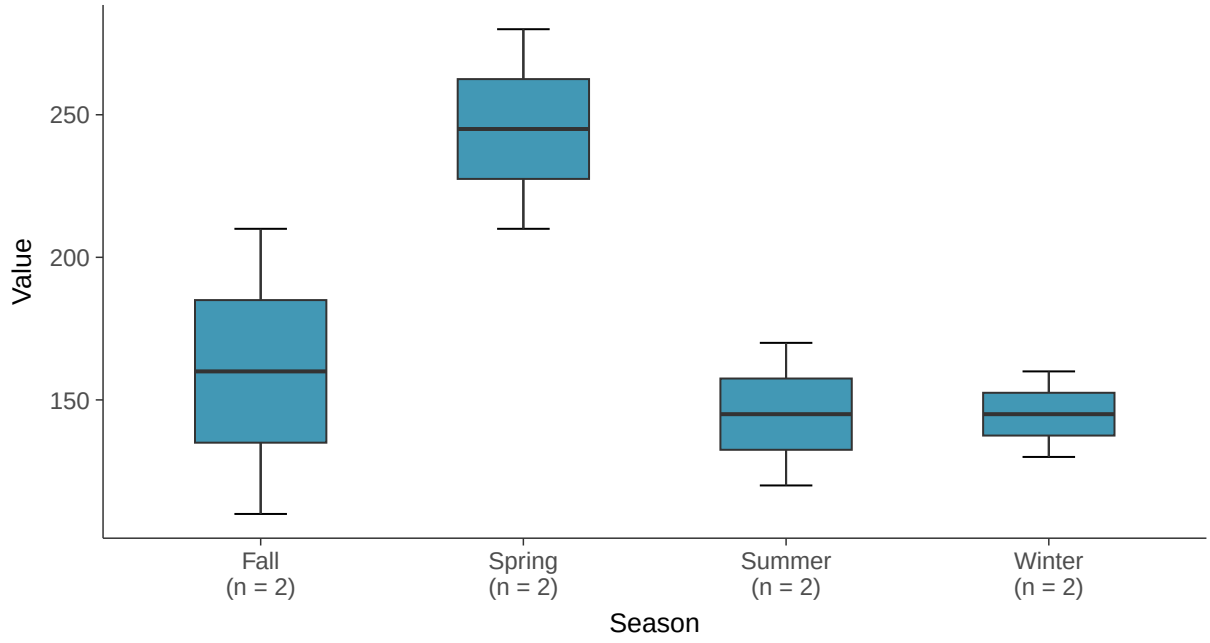
Boxplot

Sulfate (as SO4), MW-38 (mg/L)



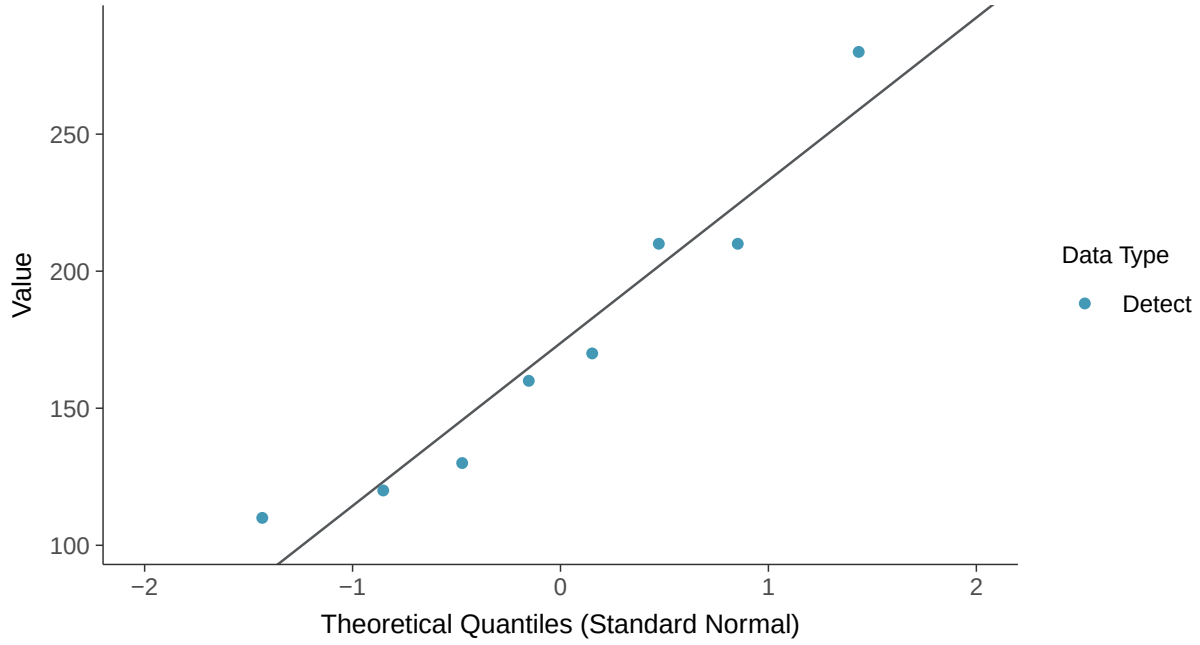
Boxplot by Season

Sulfate (as SO4), MW-38 (mg/L)



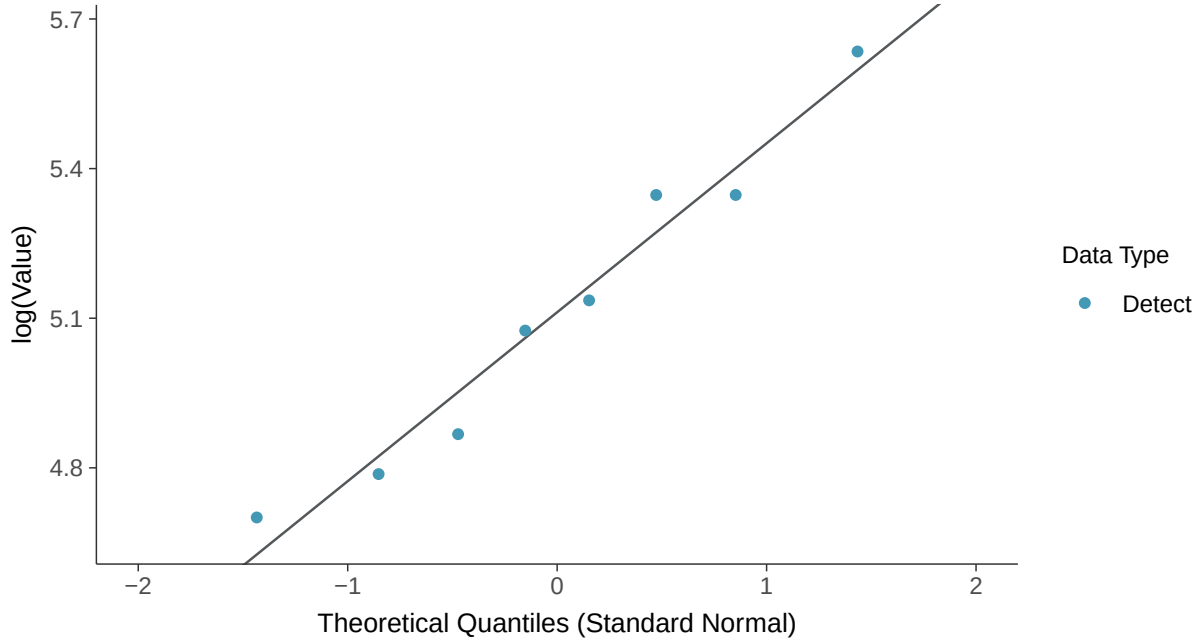
Normal Q-Q plot

Sulfate (as SO4), MW-38 (mg/L)



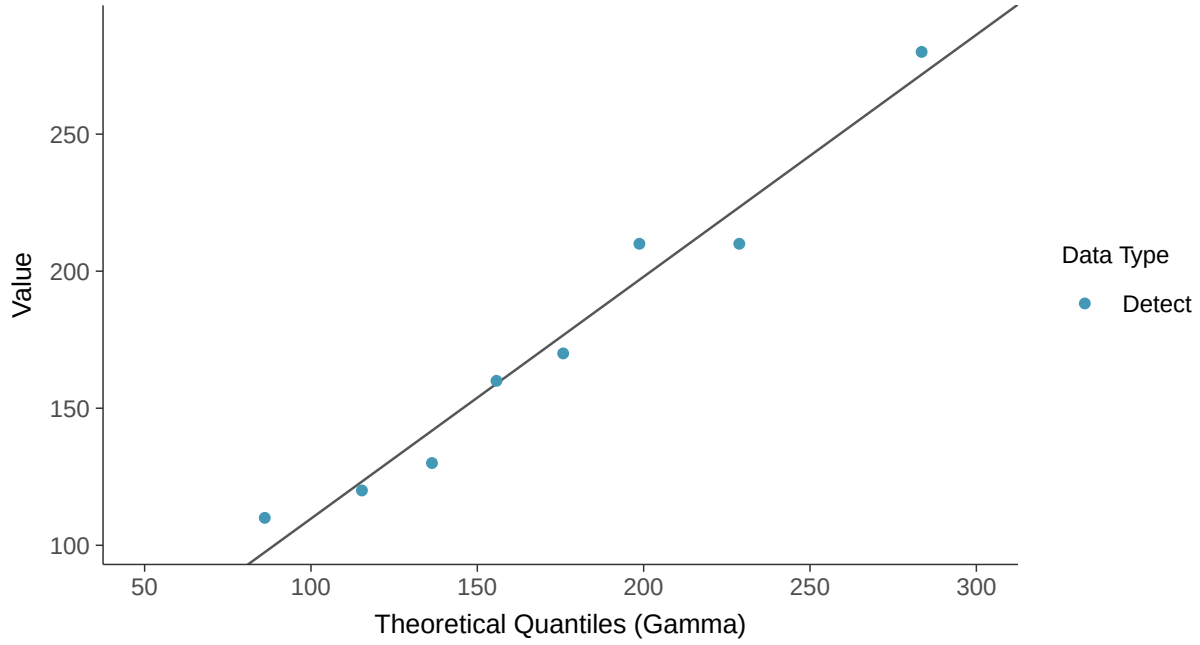
Lognormal Q-Q plot

Sulfate (as SO4), MW-38 (mg/L)



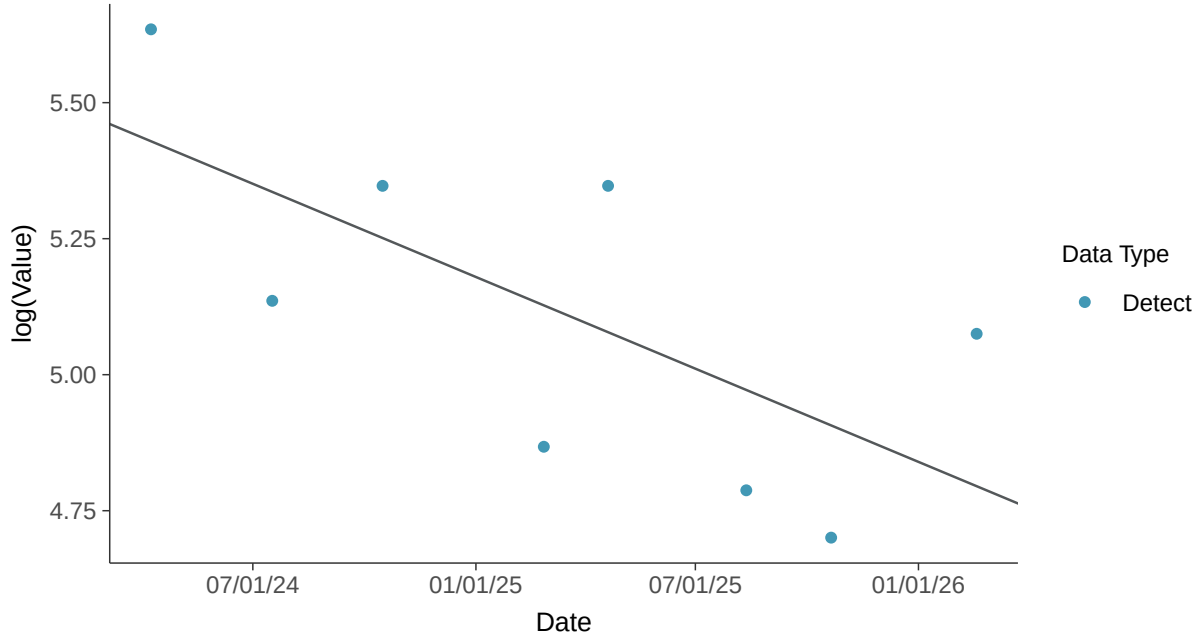
Gamma Q-Q plot

Sulfate (as SO4), MW-38 (mg/L)



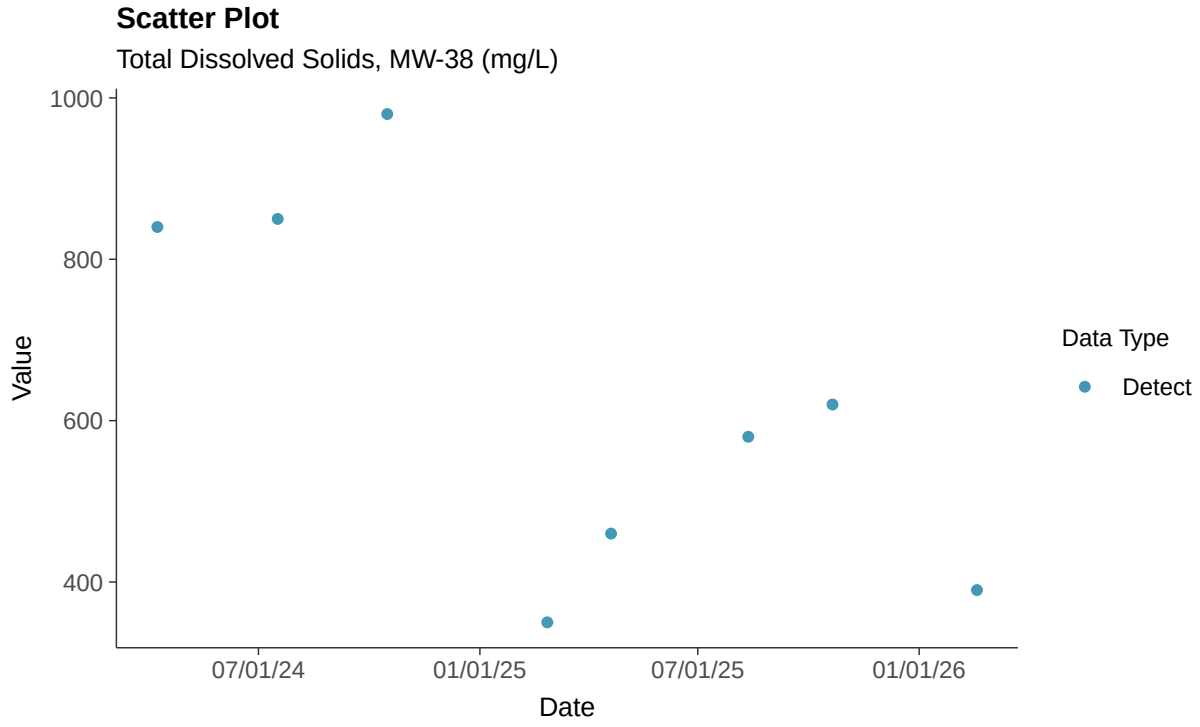
Trend Regression: Lognormal MLE

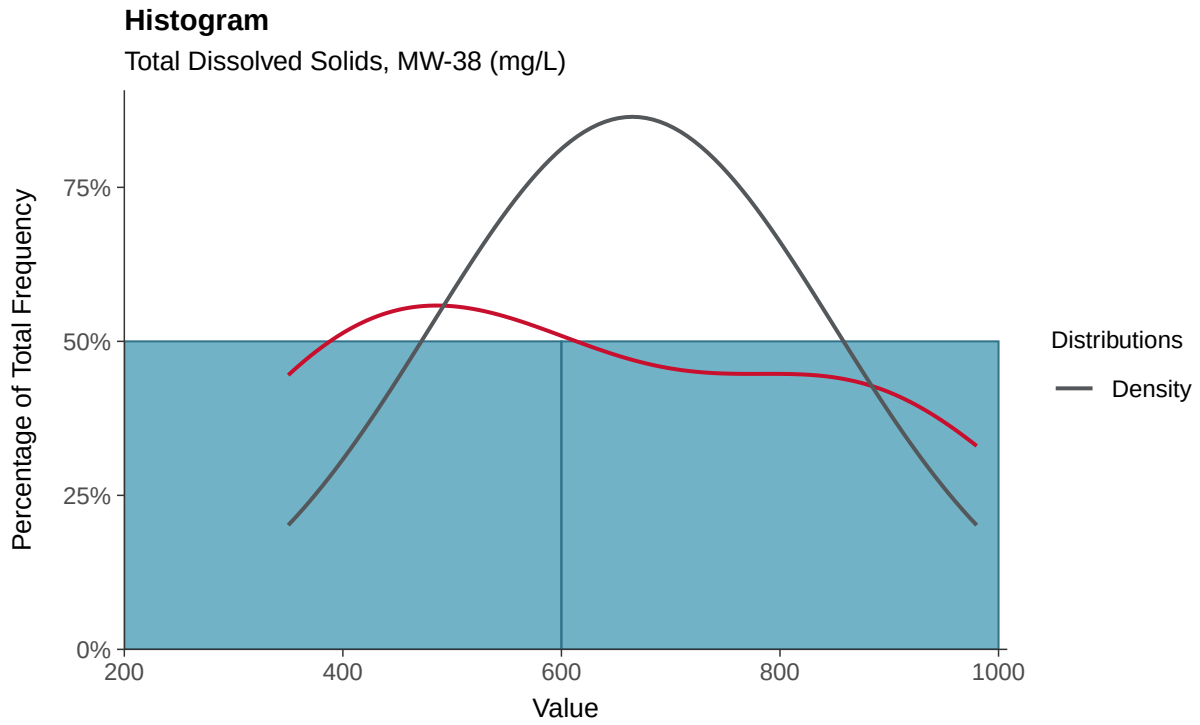
Sulfate (as SO4), MW-38 (mg/L)



Appendix III: Total Dissolved Solids, MW-38

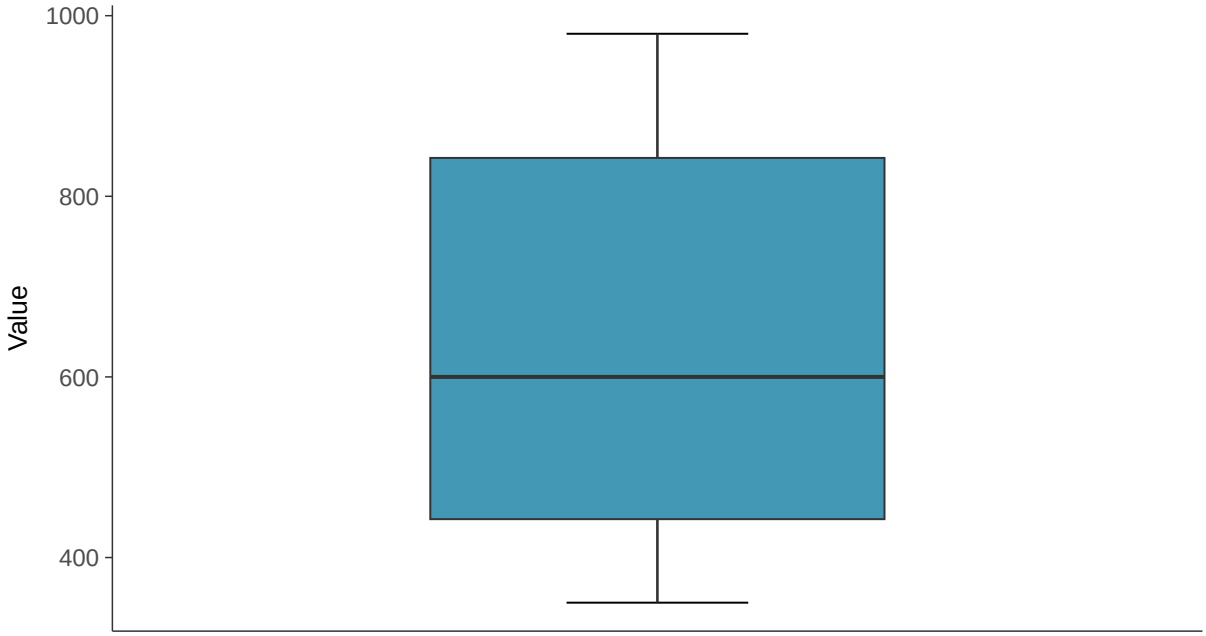
ID: 48_2_3_126





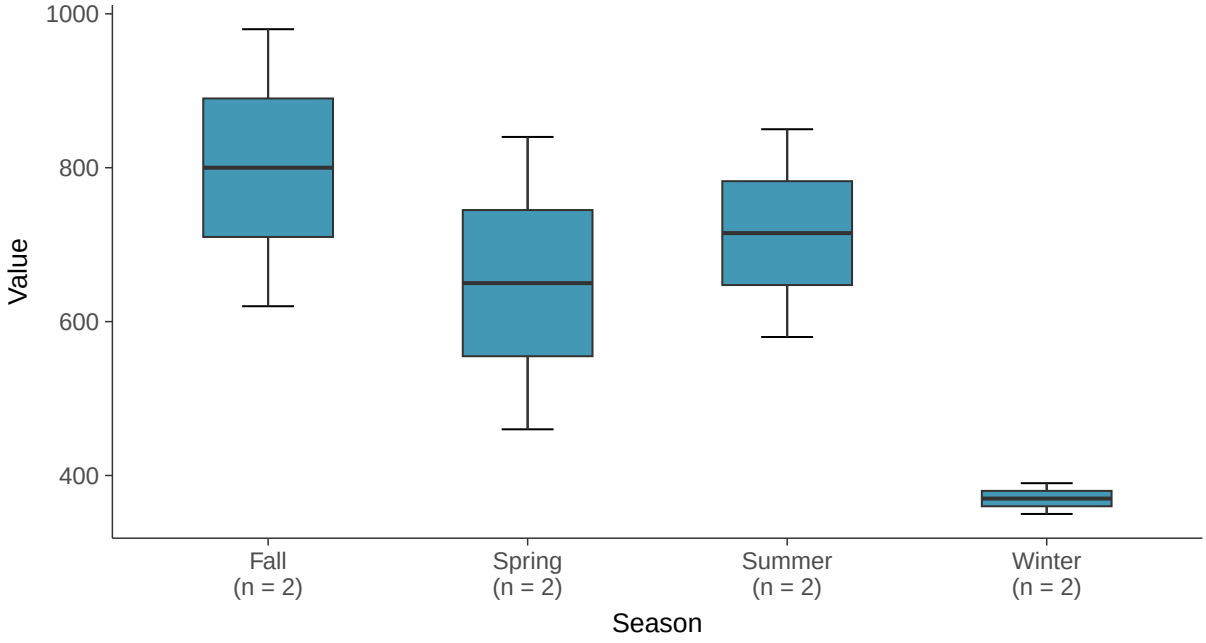
Boxplot

Total Dissolved Solids, MW-38 (mg/L)



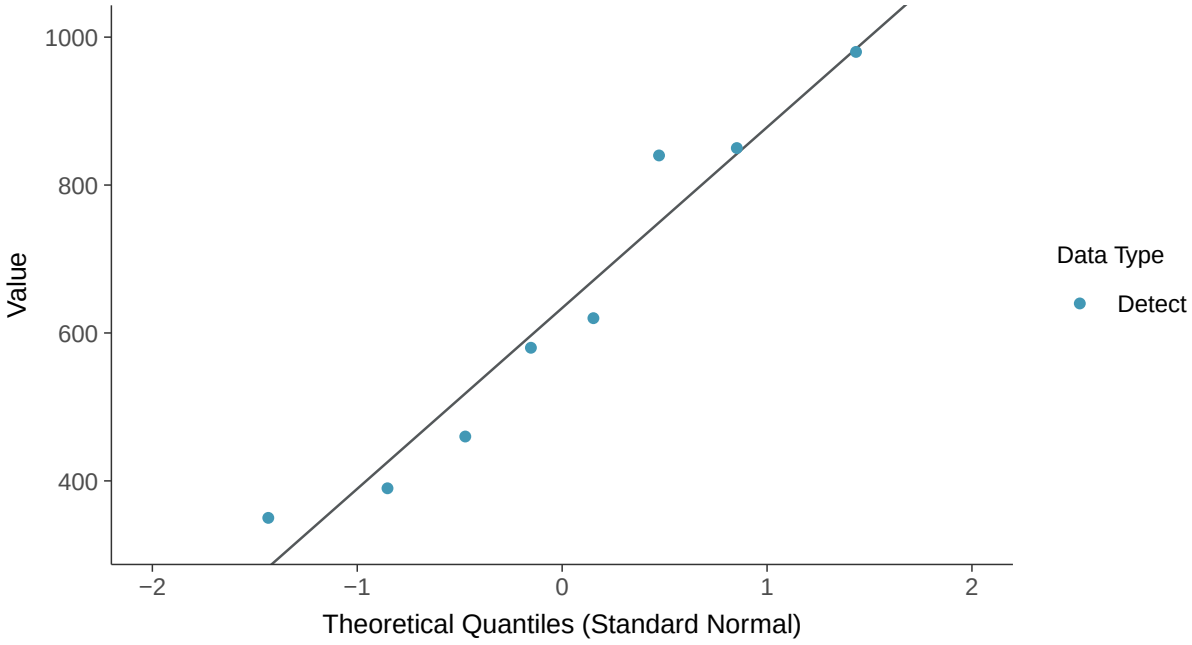
Boxplot by Season

Total Dissolved Solids, MW-38 (mg/L)



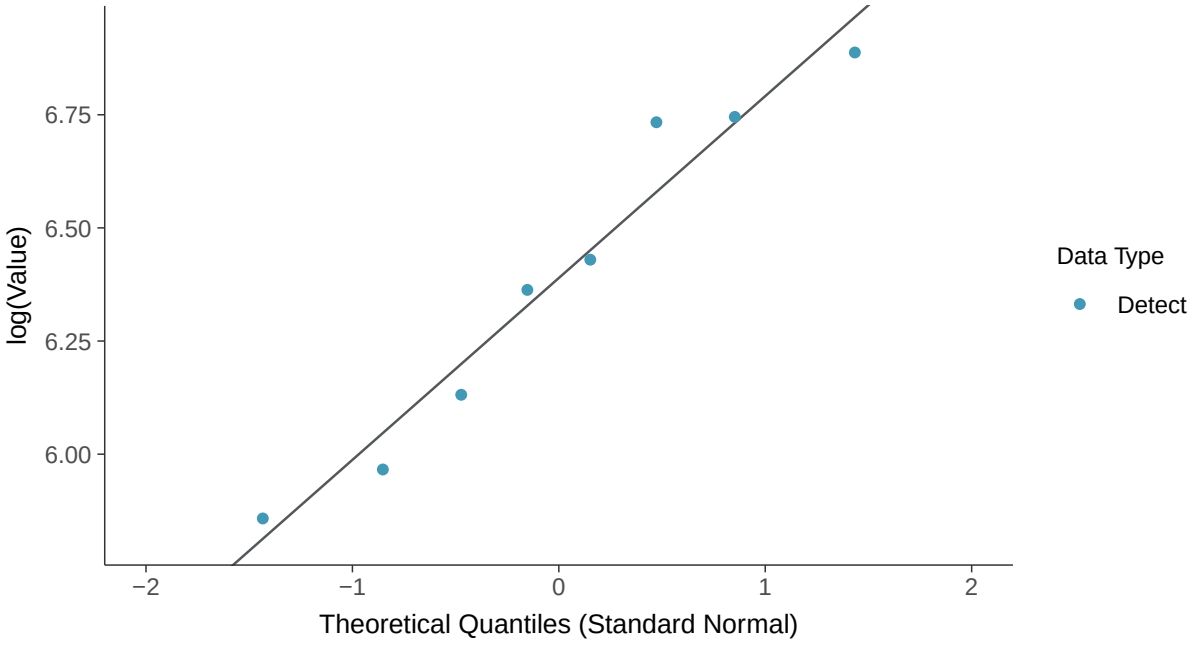
Normal Q-Q plot

Total Dissolved Solids, MW-38 (mg/L)



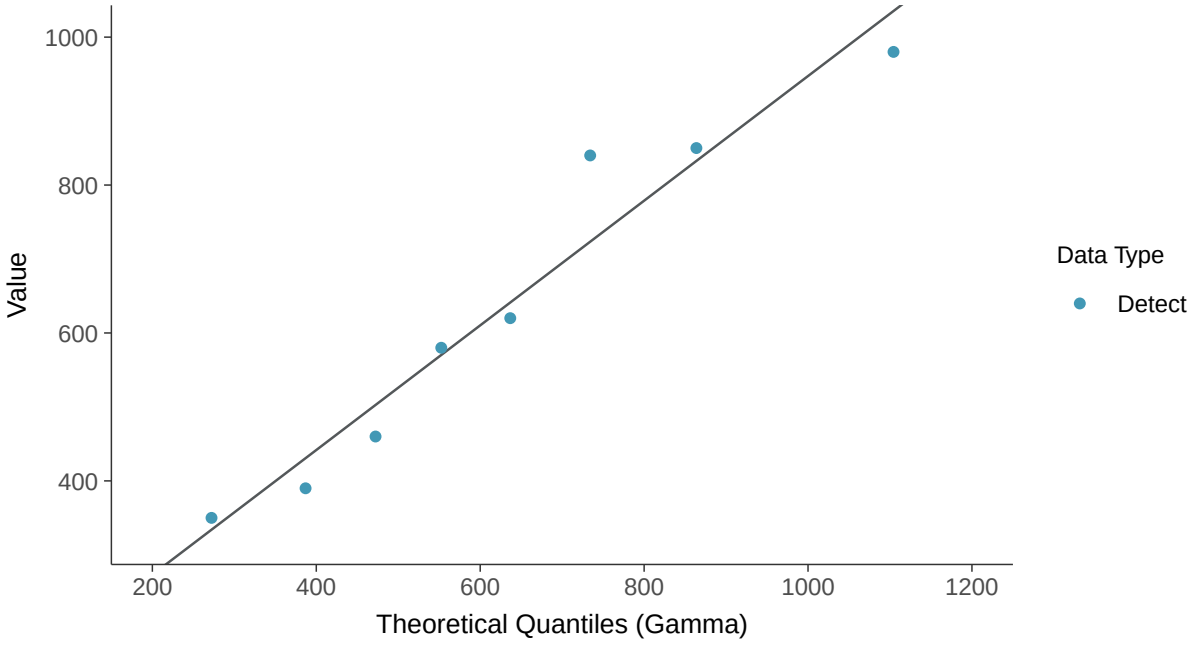
Lognormal Q-Q plot

Total Dissolved Solids, MW-38 (mg/L)



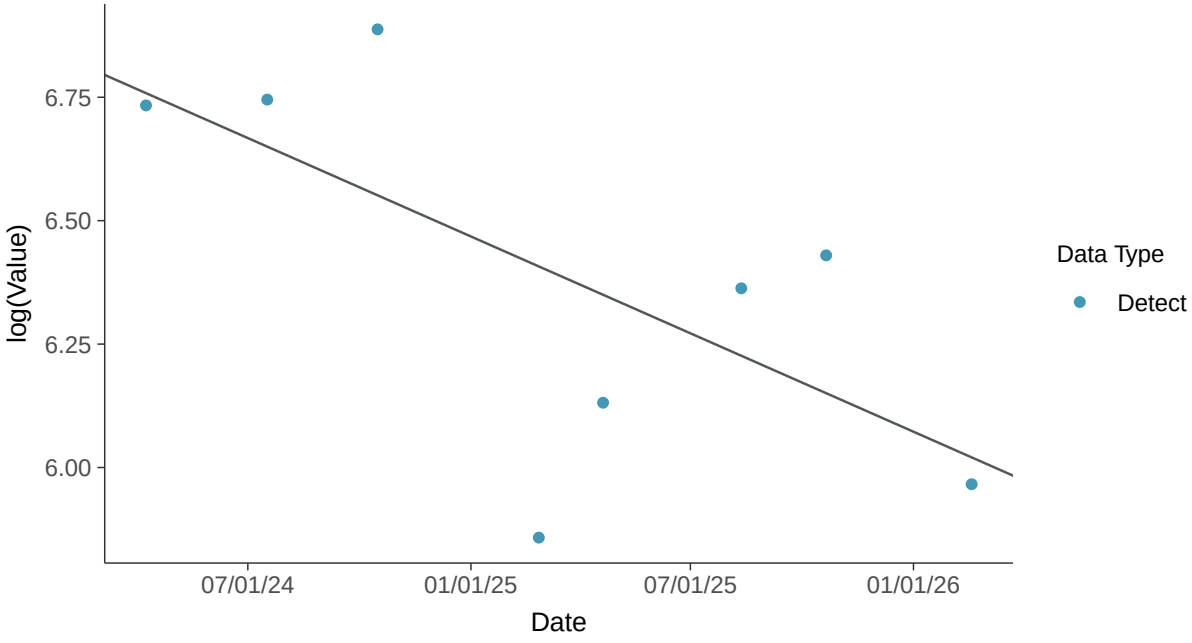
Gamma Q-Q plot

Total Dissolved Solids, MW-38 (mg/L)



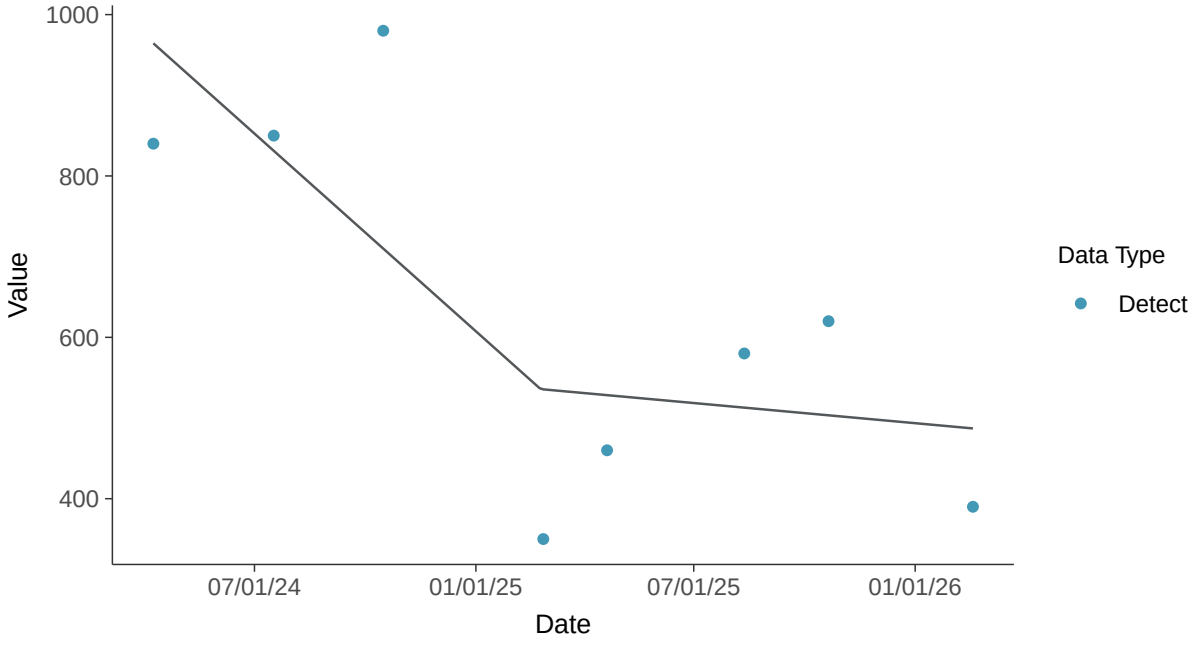
Trend Regression: Lognormal MLE

Total Dissolved Solids, MW-38 (mg/L)



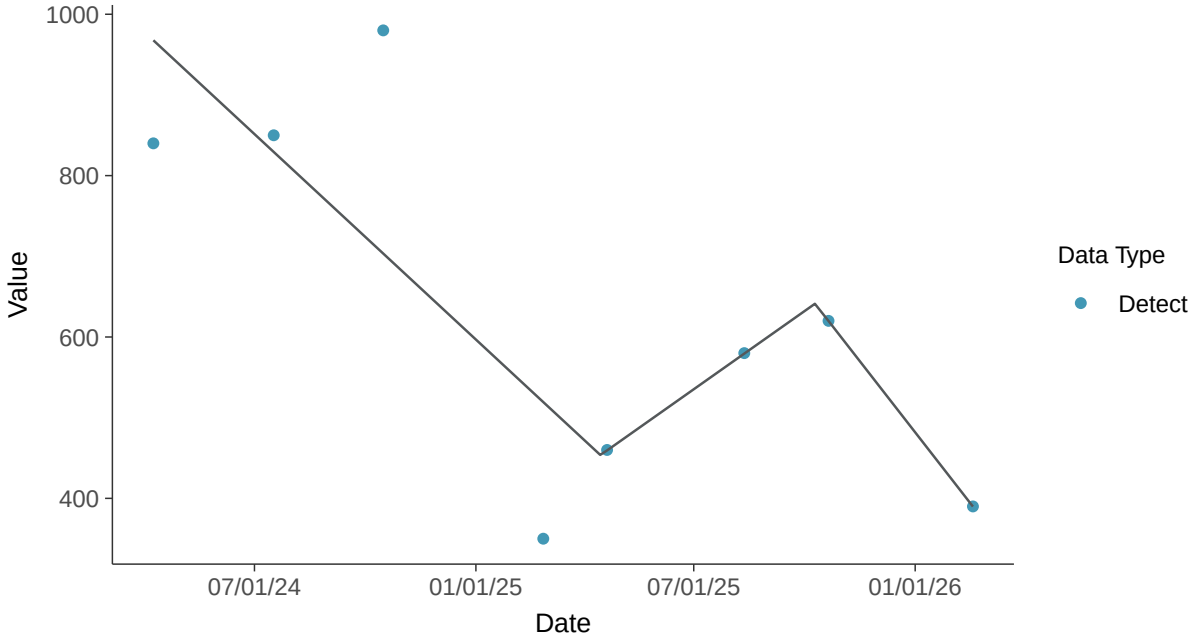
Trend Regression: Piecewise Linear-Linear

Total Dissolved Solids, MW-38 (mg/L)



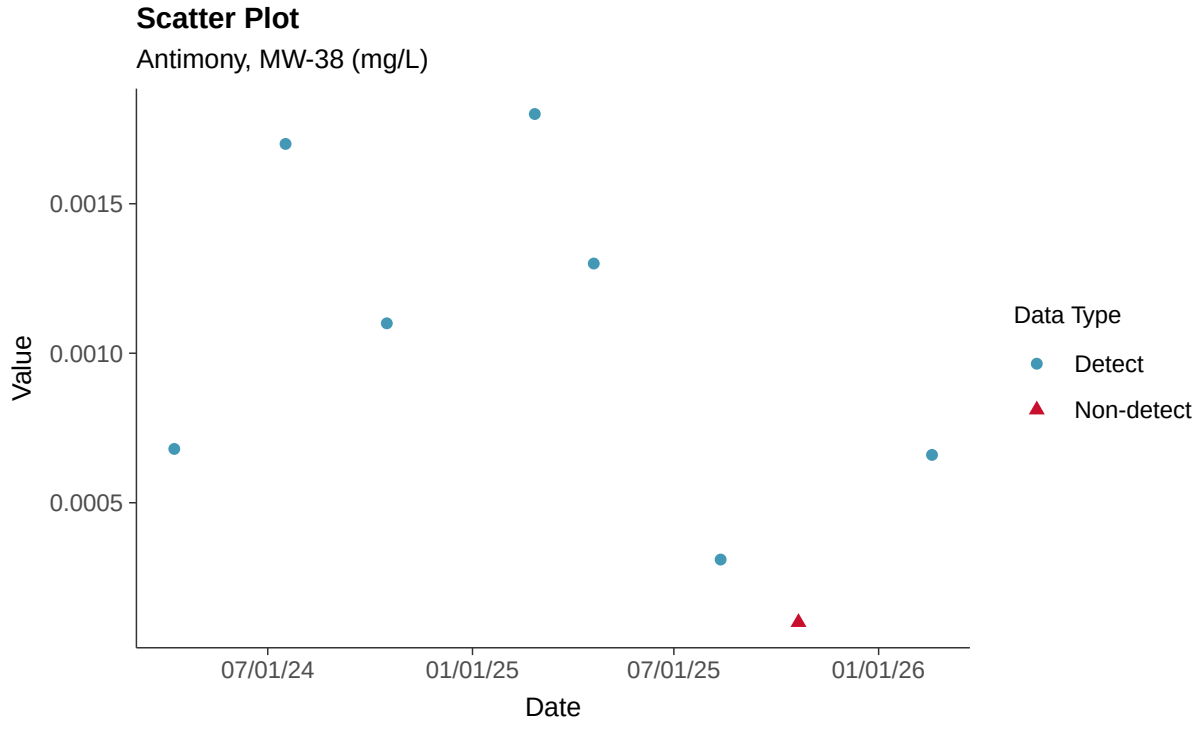
Trend Regression: Piecewise Linear-Linear-Linear

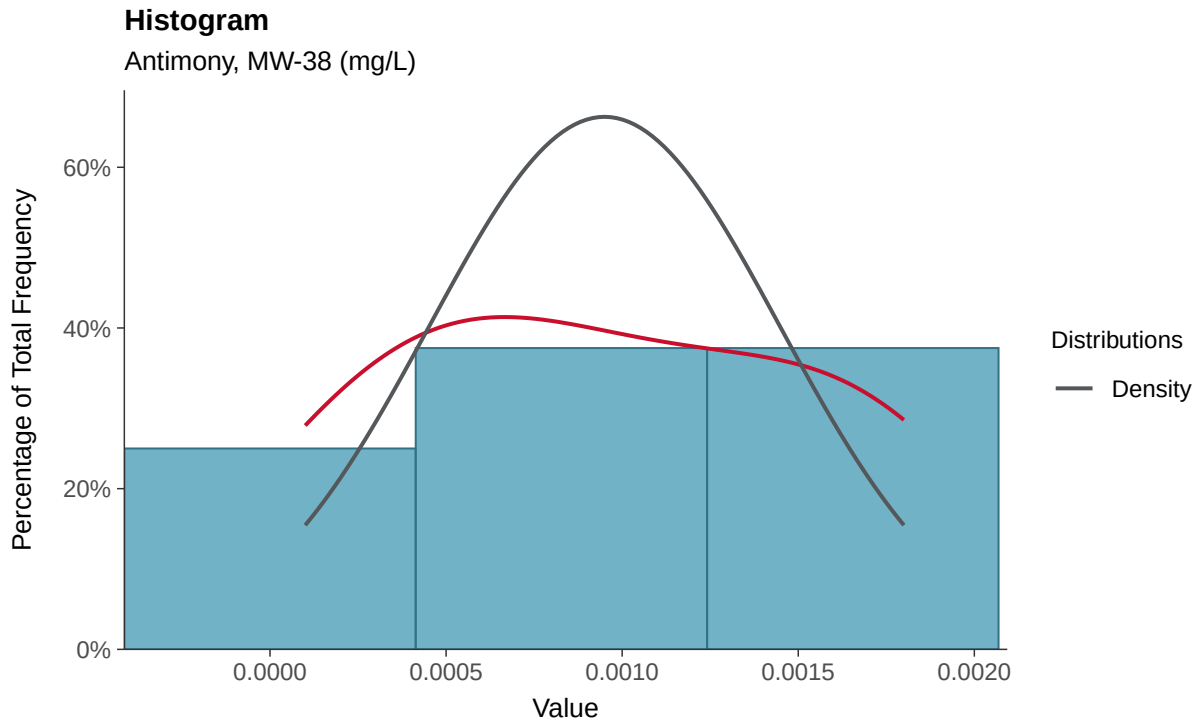
Total Dissolved Solids, MW-38 (mg/L)



Appendix IV: Antimony, MW-38

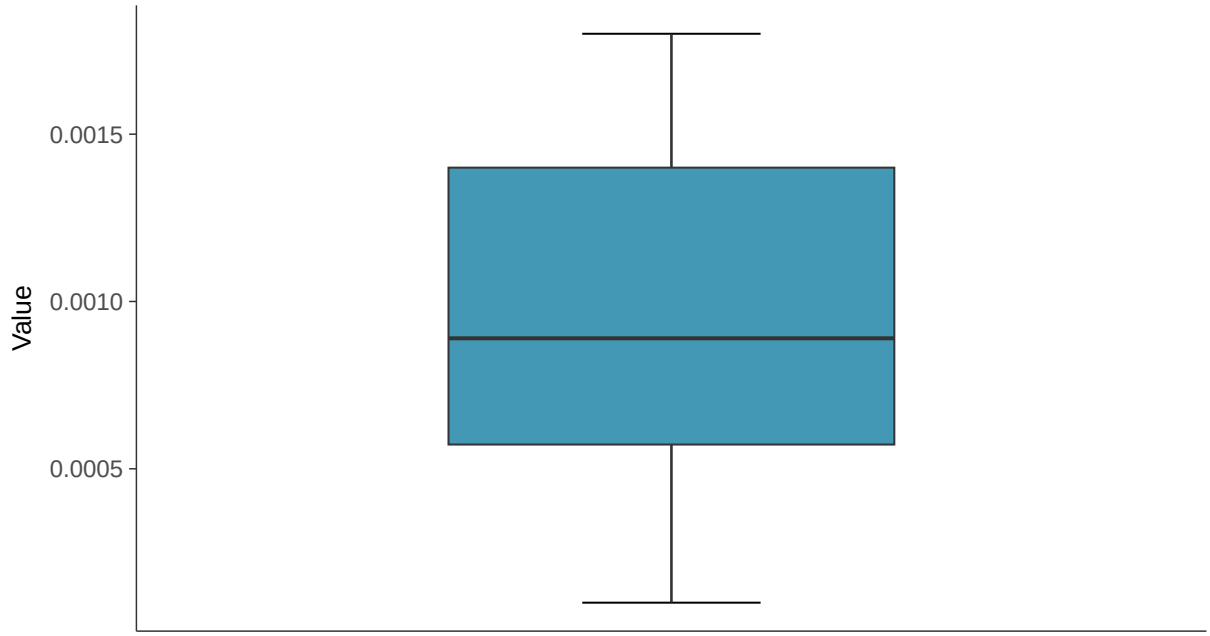
ID: 48_2_4_101





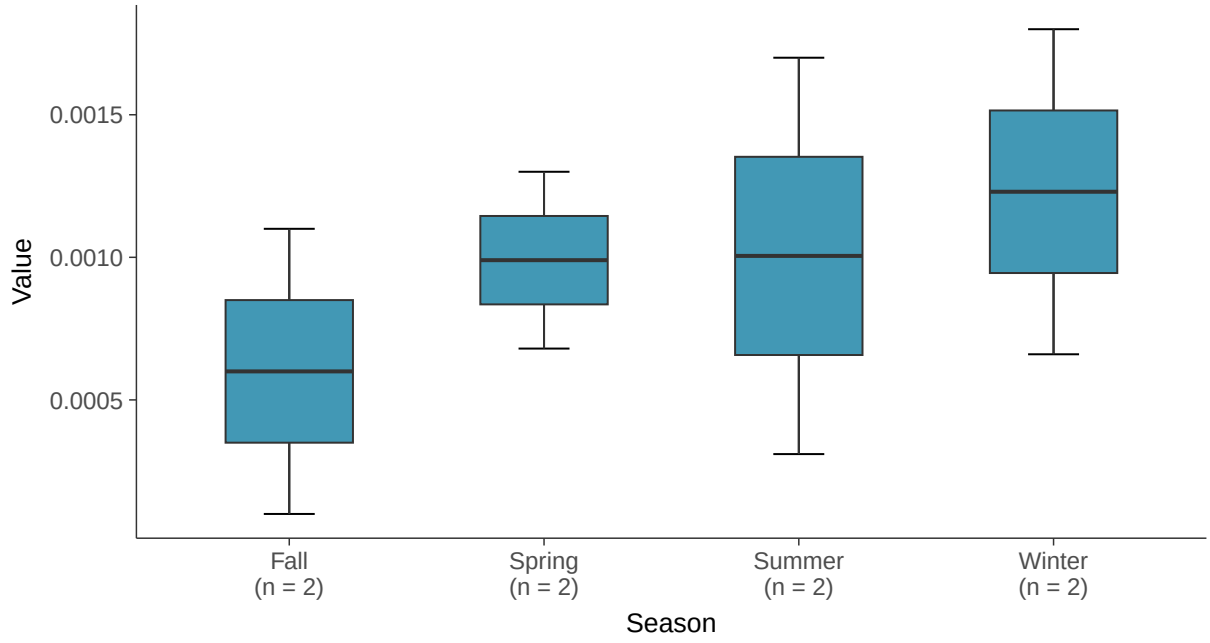
Boxplot

Antimony, MW-38 (mg/L)



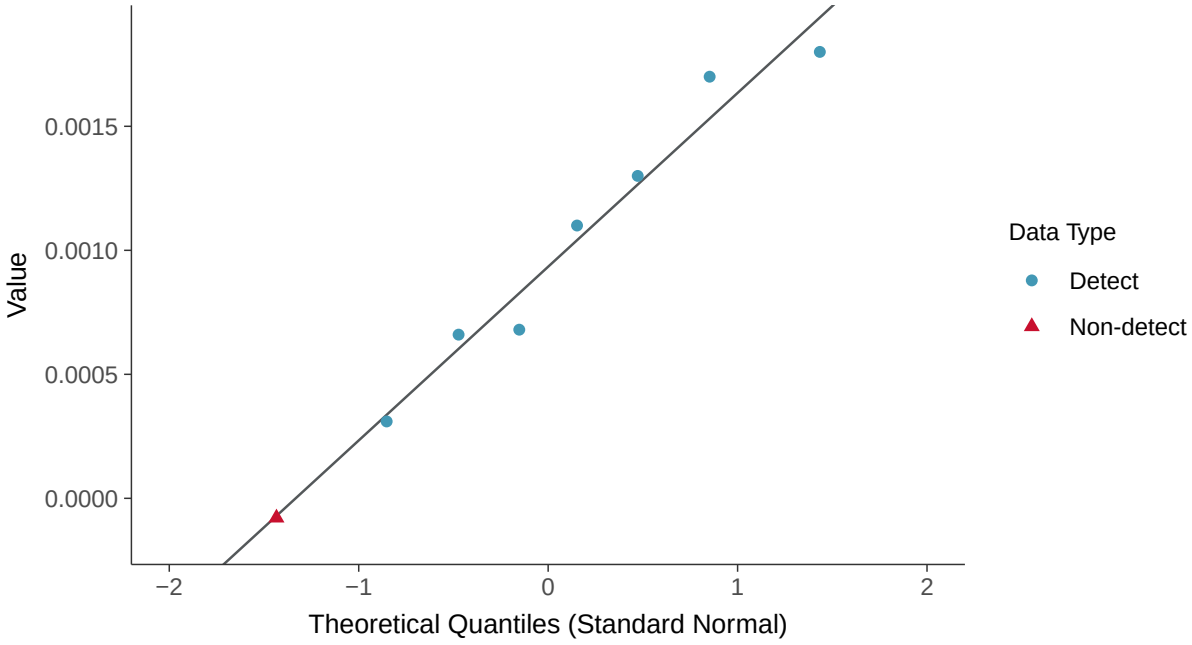
Boxplot by Season

Antimony, MW-38 (mg/L)



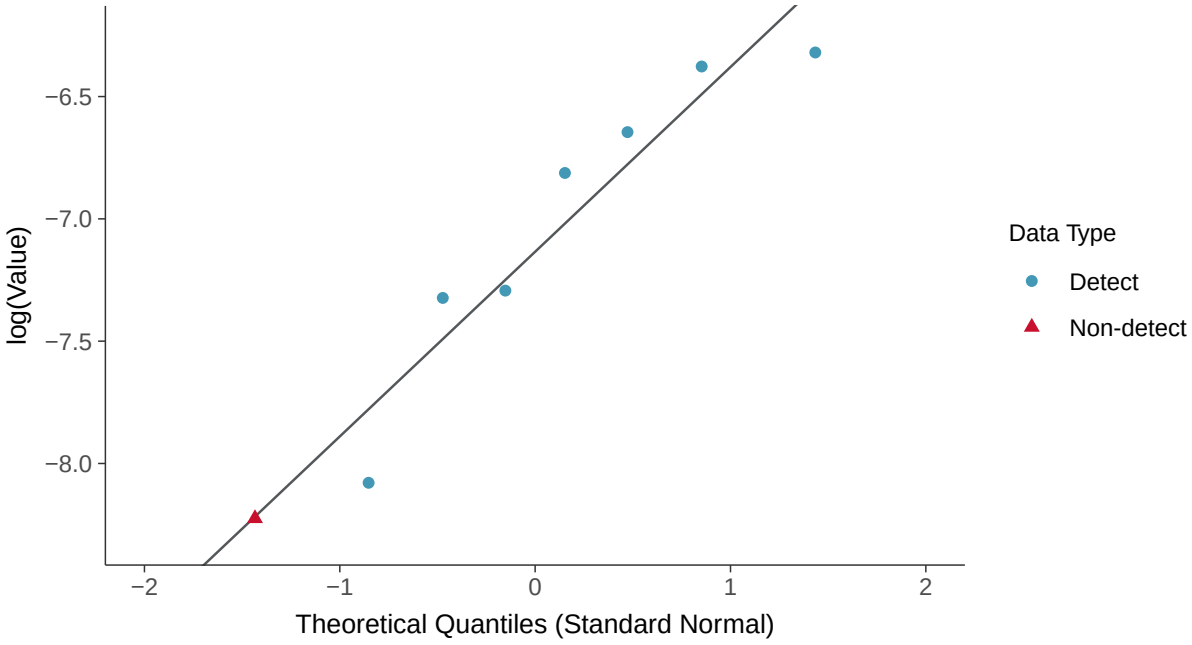
Normal Q-Q plot using ROS Imputed Estimates

Antimony, MW-38 (mg/L)



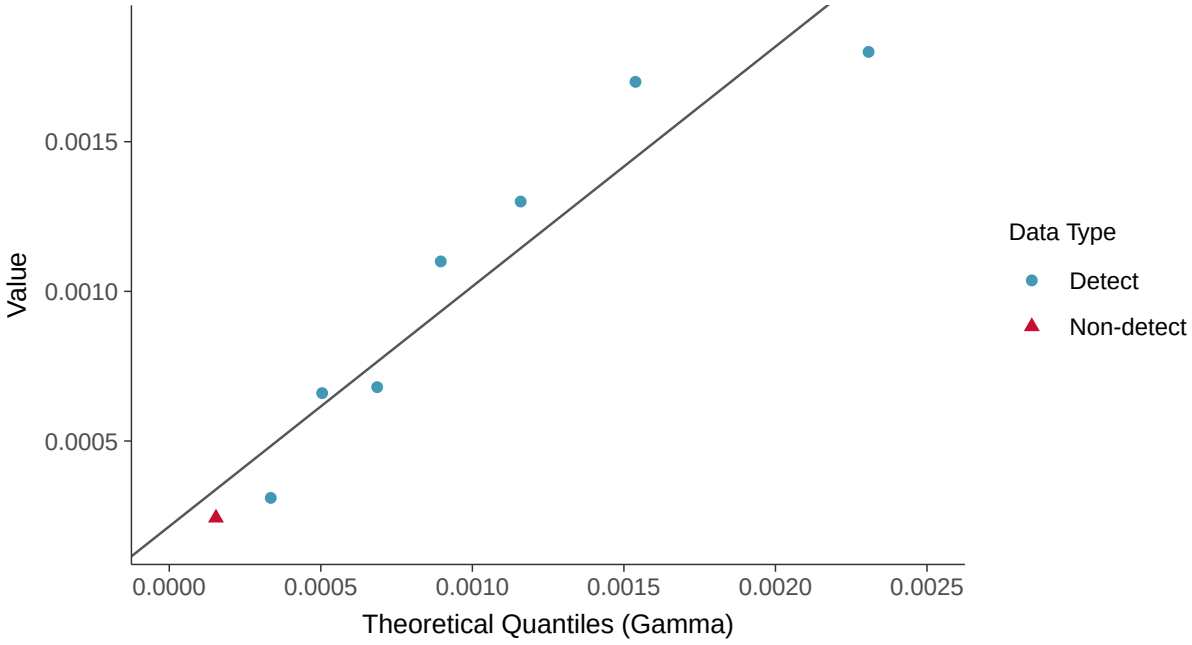
Lognormal Q-Q plot using ROS Imputed Estimates

Antimony, MW-38 (mg/L)



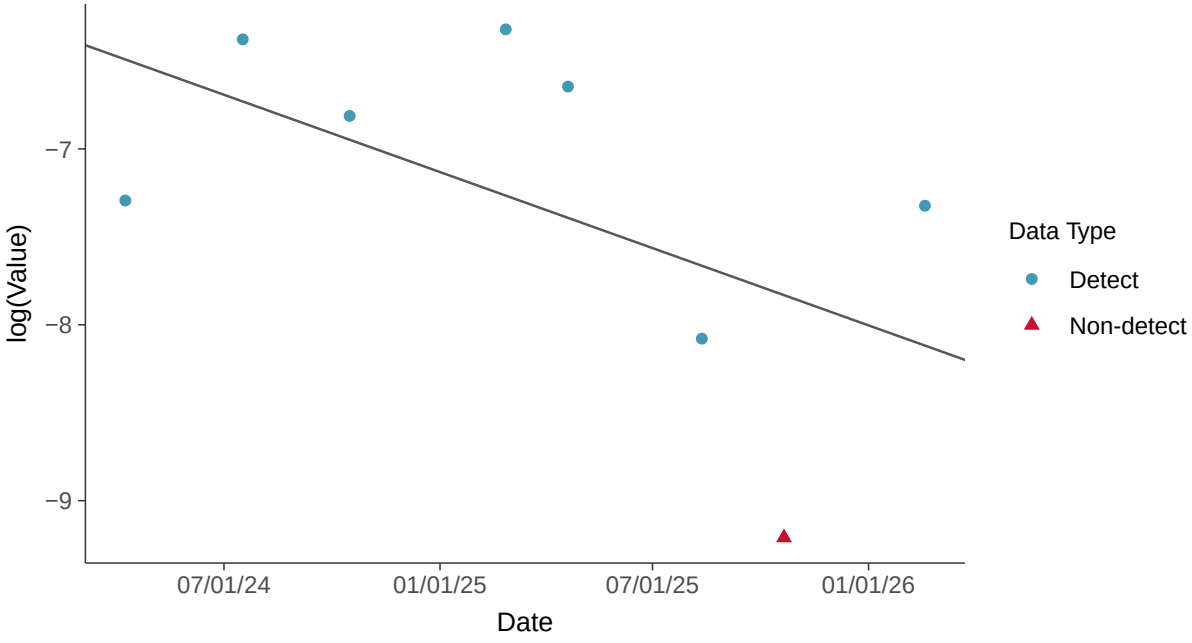
Gamma Q-Q plot using ROS Imputed Estimates

Antimony, MW-38 (mg/L)



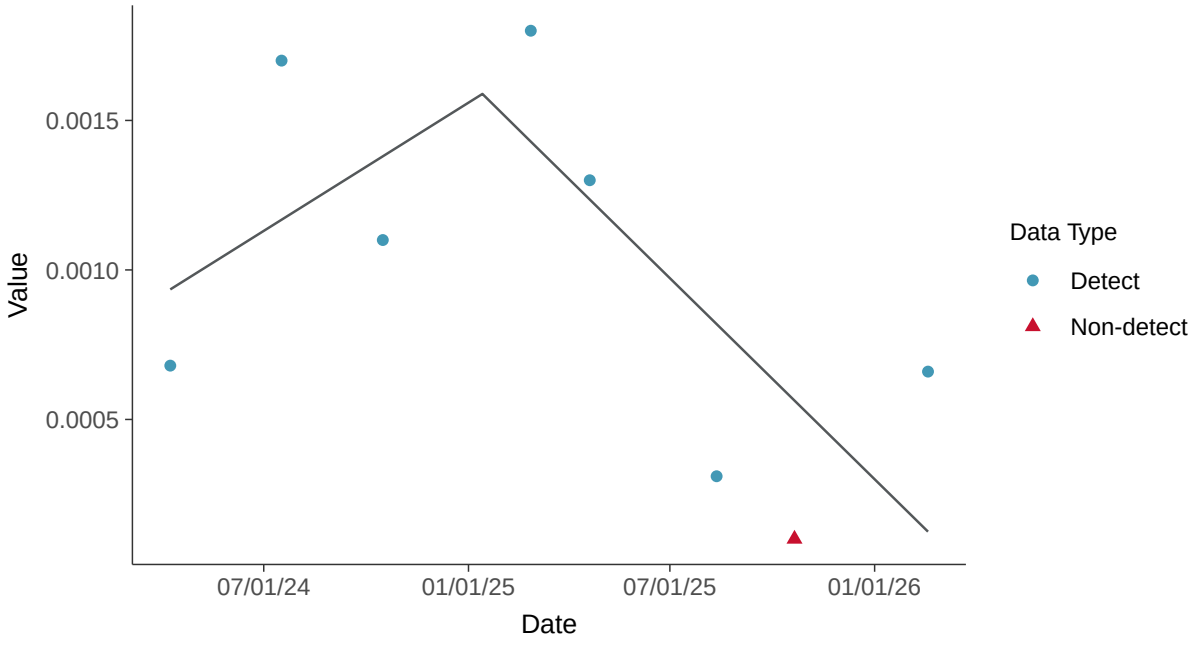
Trend Regression: Lognormal MLE

Antimony, MW-38 (mg/L)



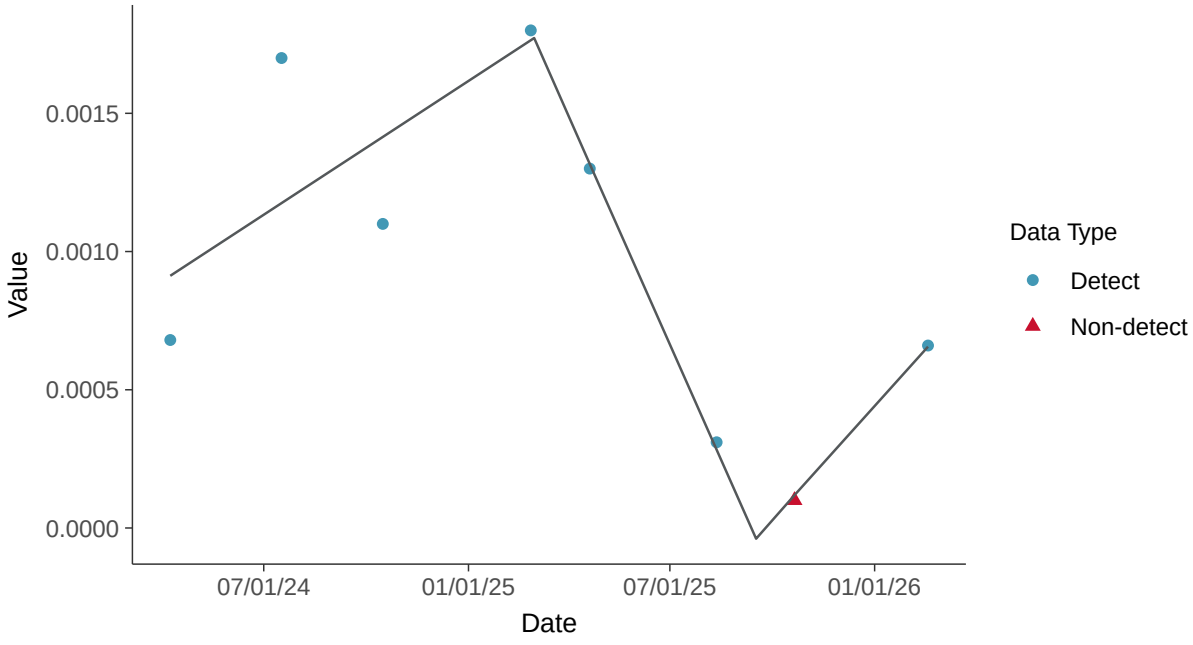
Trend Regression: Piecewise Linear-Linear

Antimony, MW-38 (mg/L)



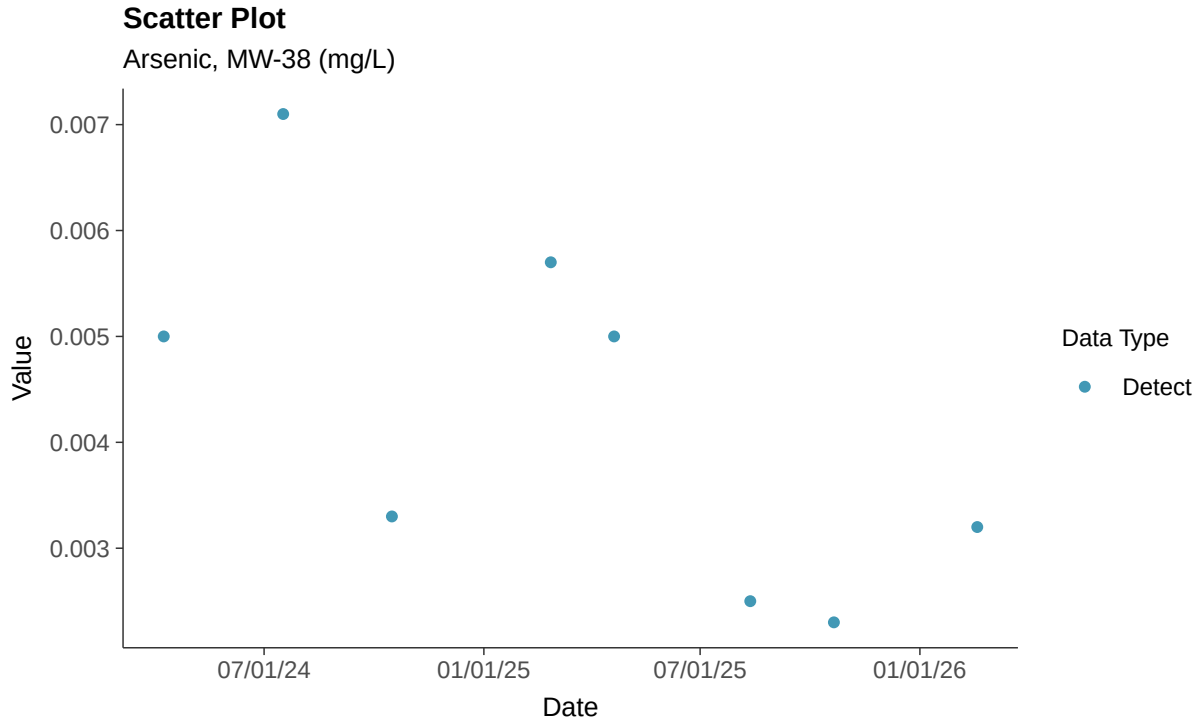
Trend Regression: Piecewise Linear-Linear-Linear

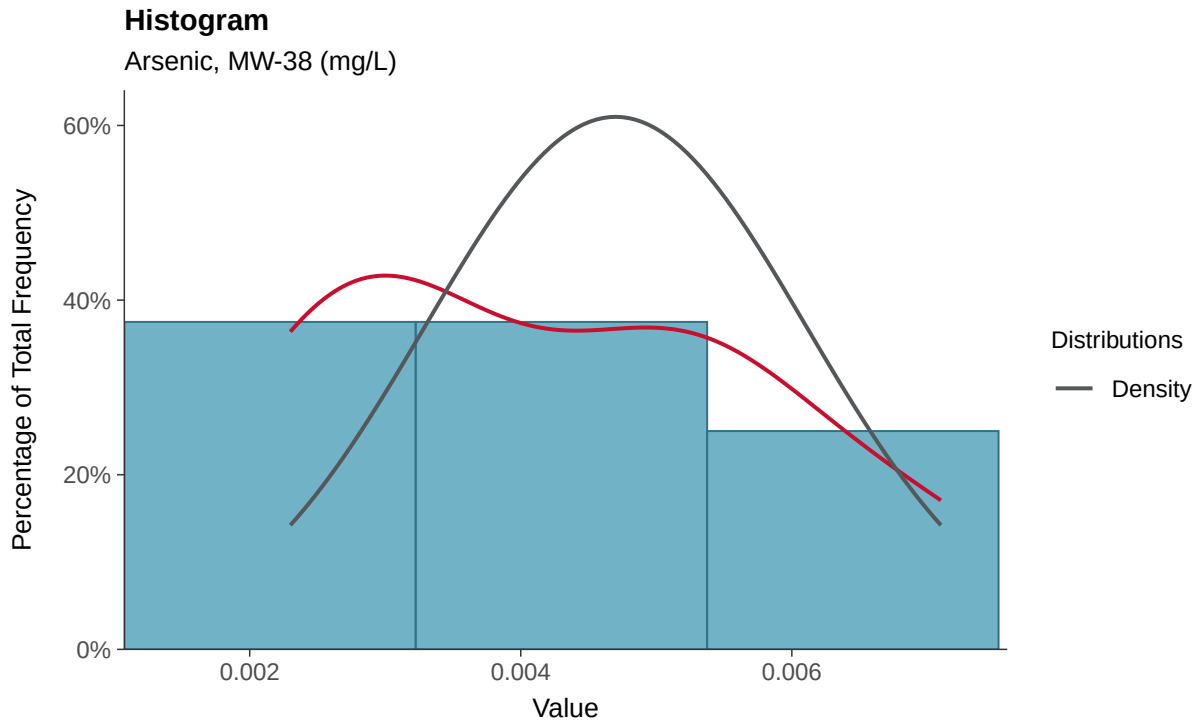
Antimony, MW-38 (mg/L)



Appendix IV: Arsenic, MW-38

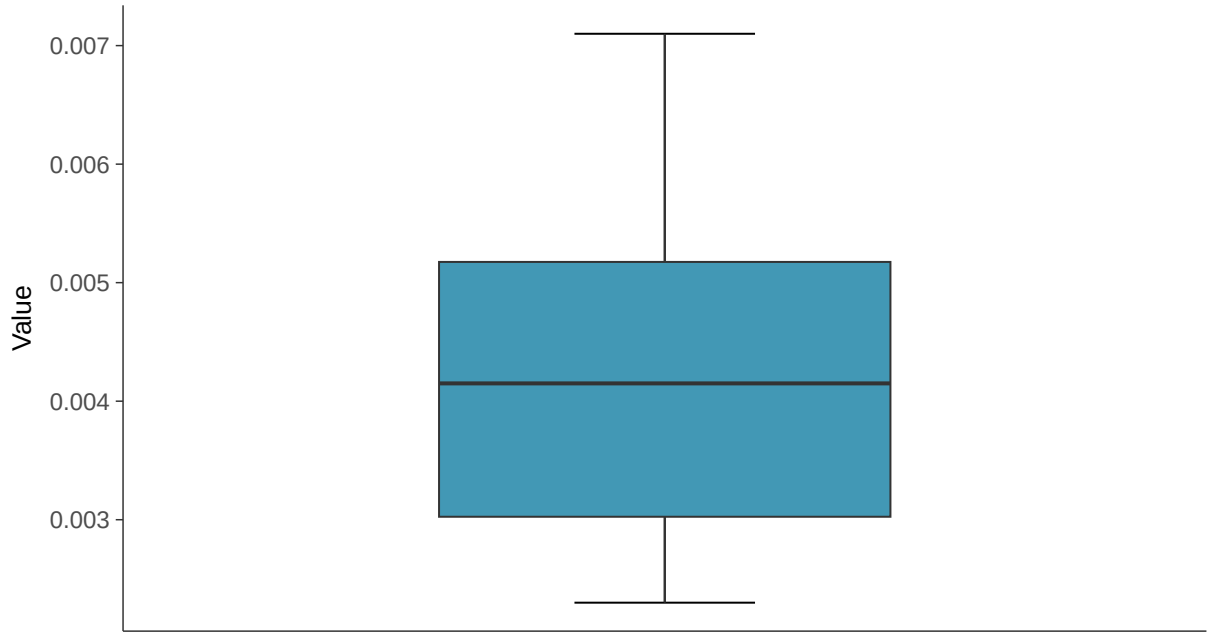
ID: 48_2_4_102





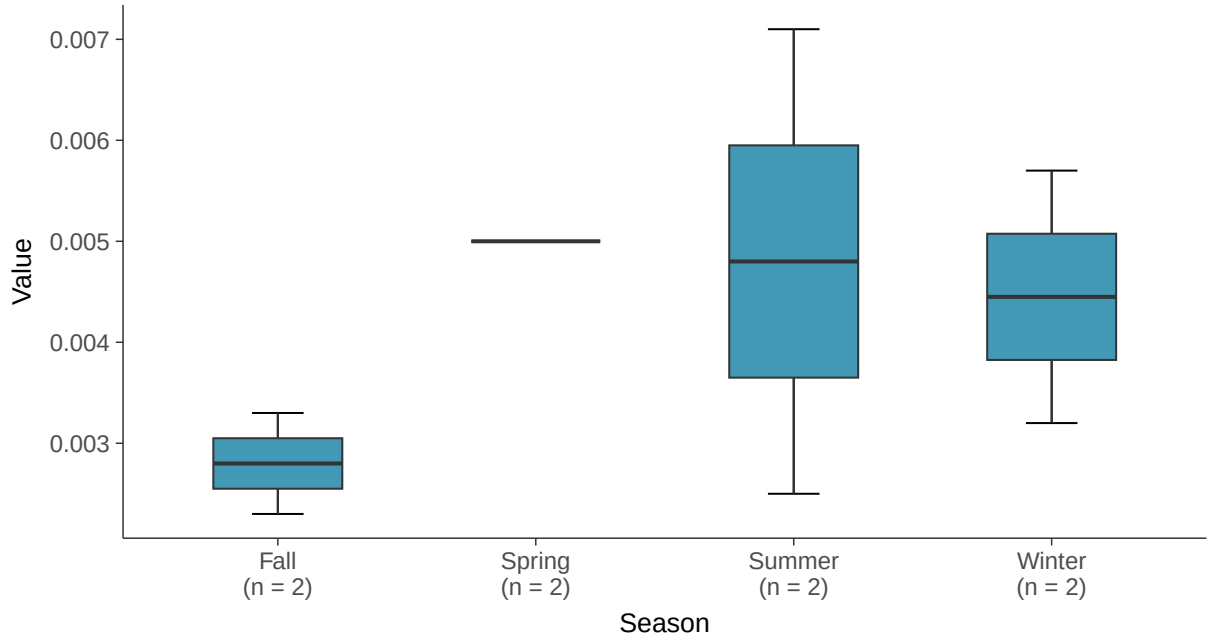
Boxplot

Arsenic, MW-38 (mg/L)



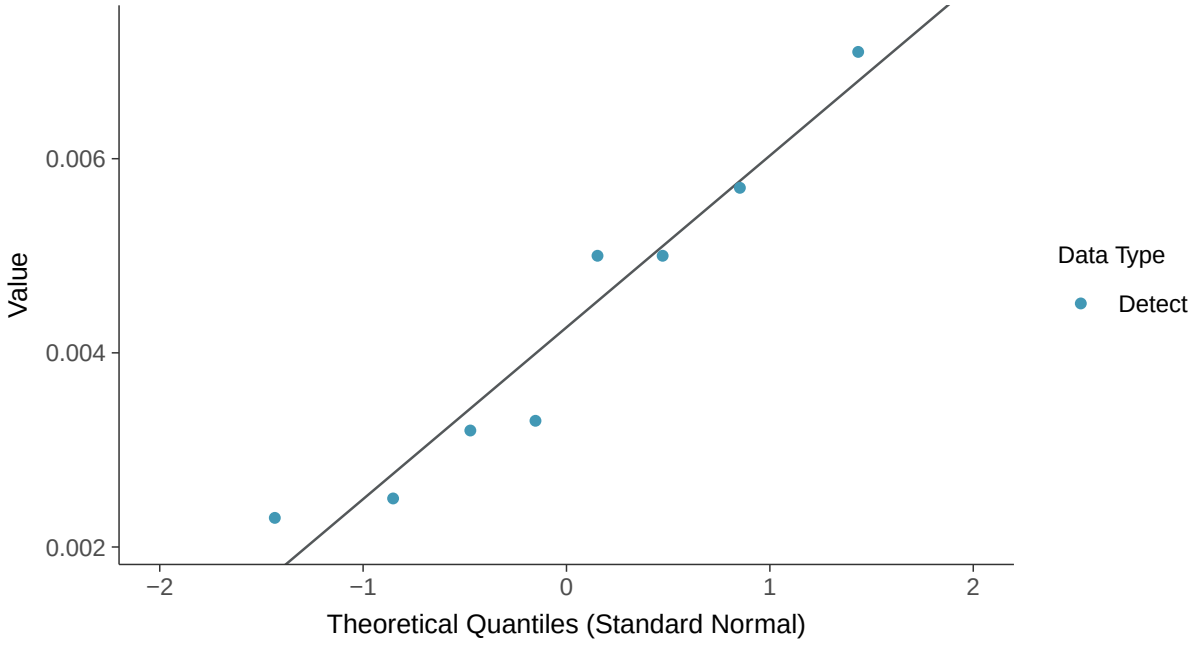
Boxplot by Season

Arsenic, MW-38 (mg/L)



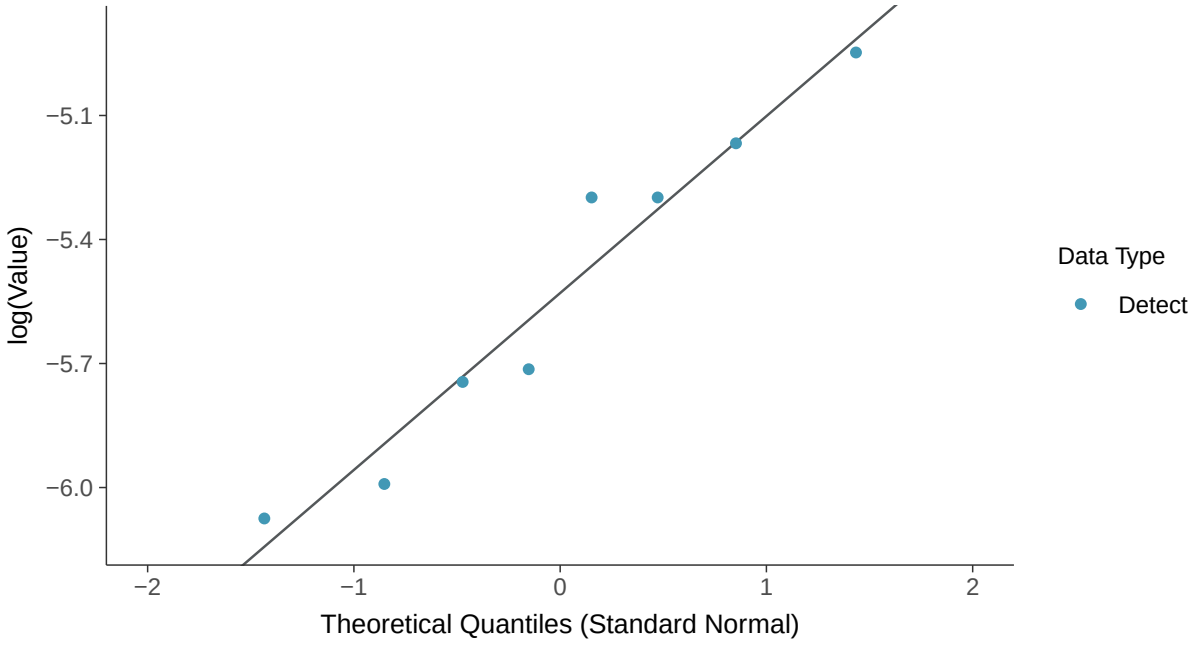
Normal Q-Q plot

Arsenic, MW-38 (mg/L)



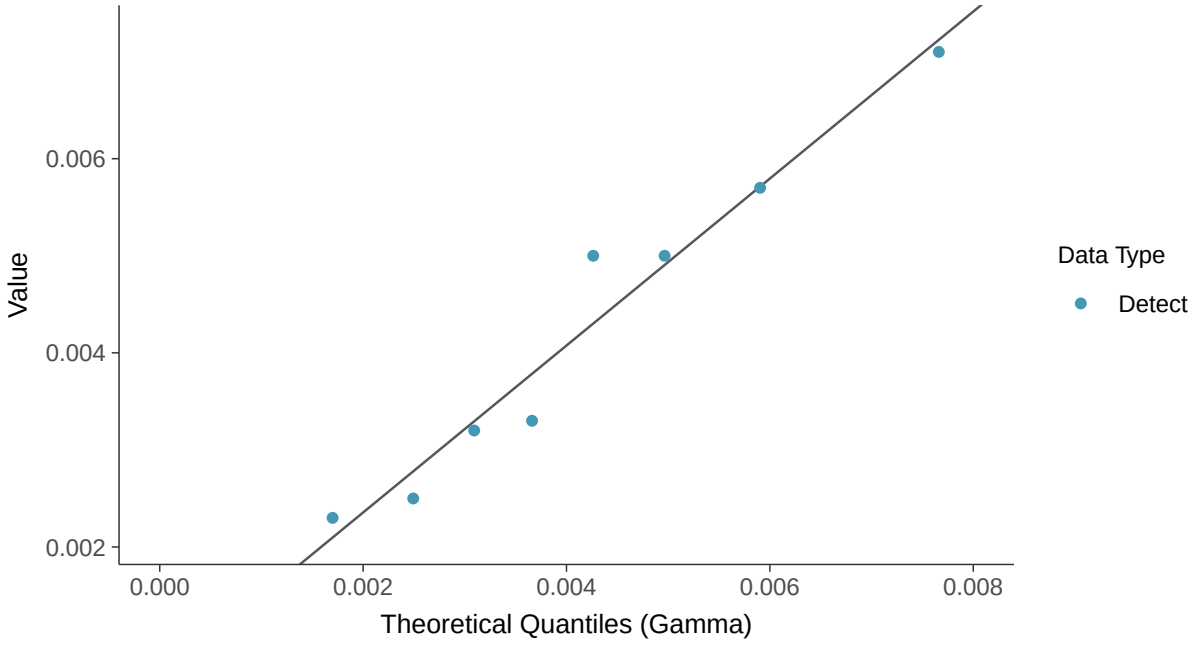
Lognormal Q-Q plot

Arsenic, MW-38 (mg/L)



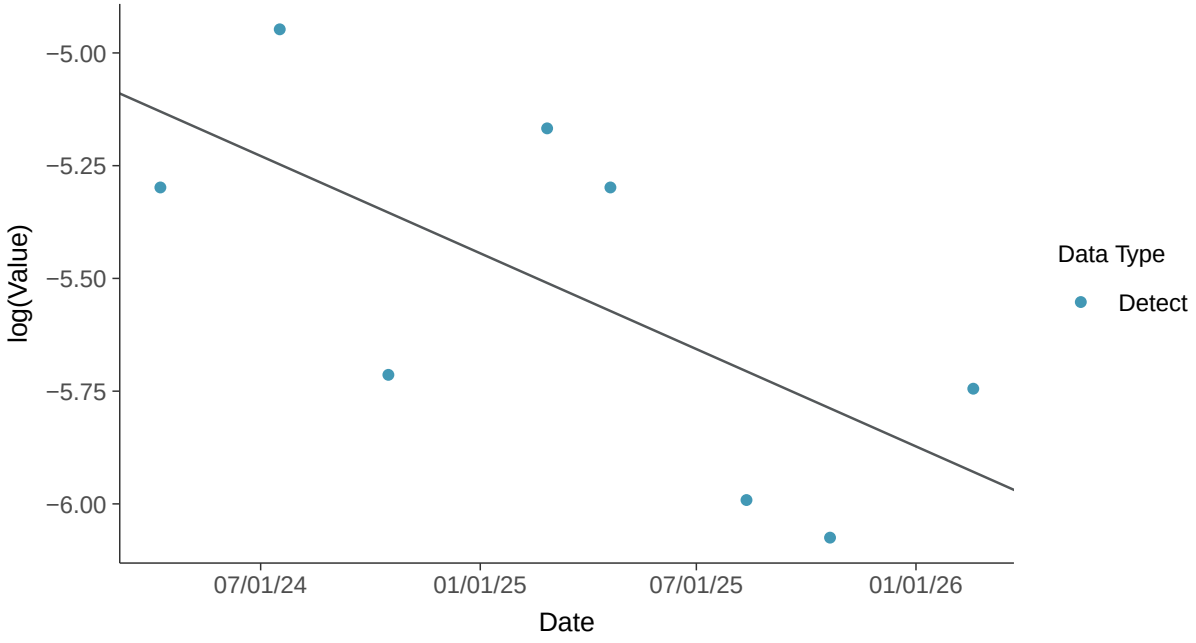
Gamma Q-Q plot

Arsenic, MW-38 (mg/L)



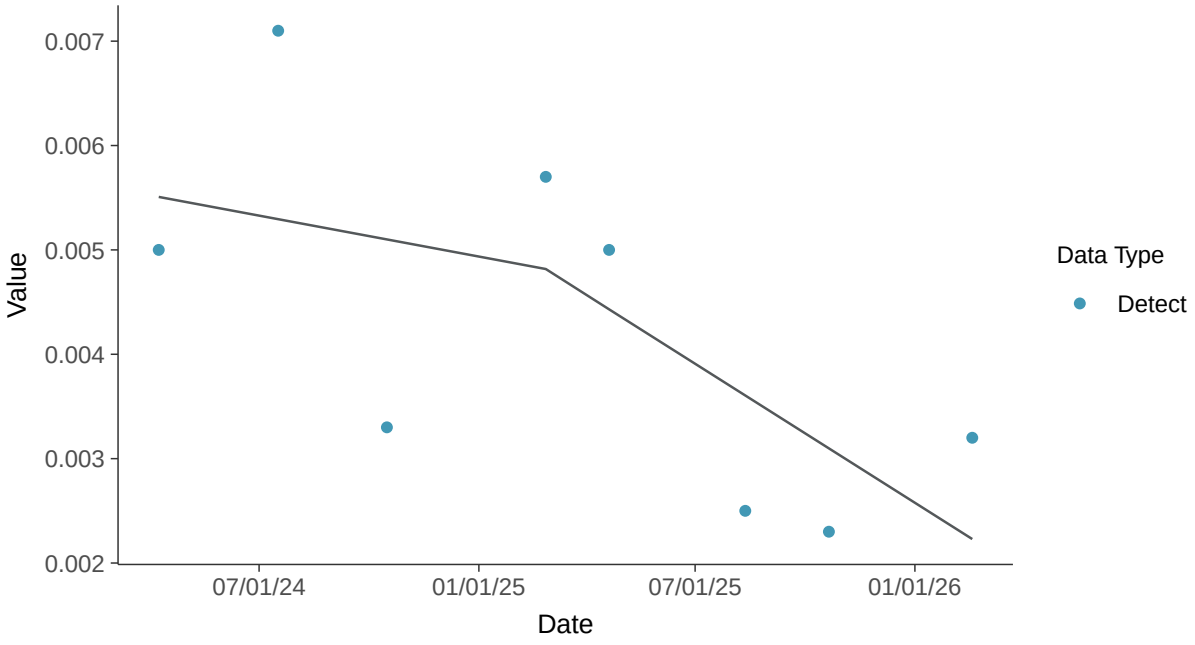
Trend Regression: Lognormal MLE

Arsenic, MW-38 (mg/L)



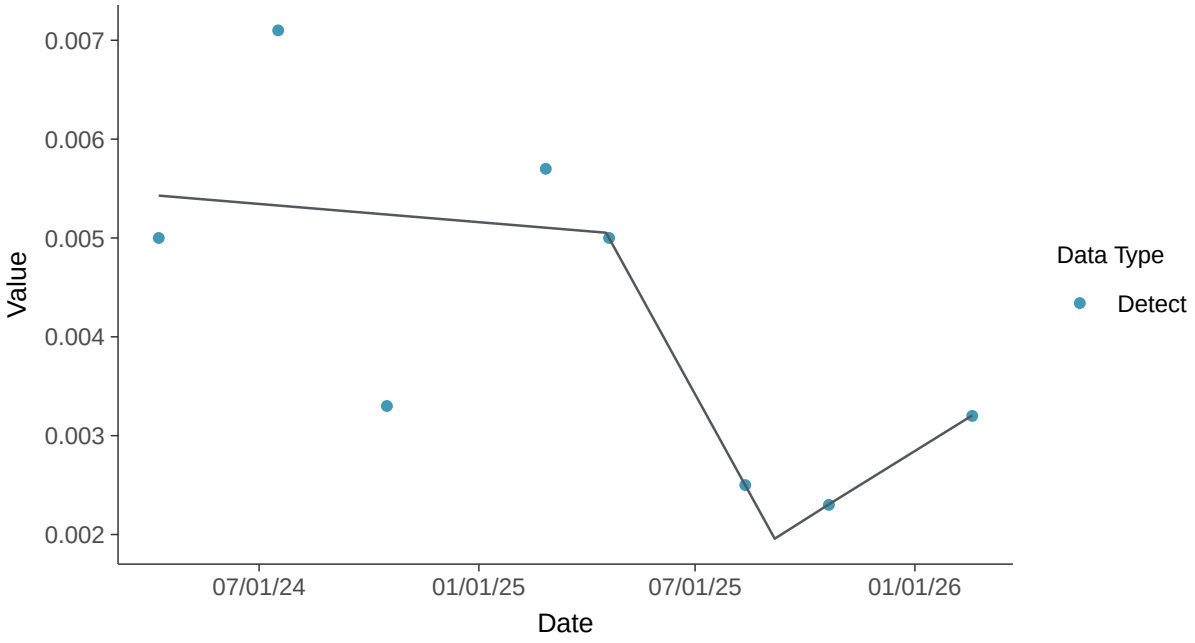
Trend Regression: Piecewise Linear-Linear

Arsenic, MW-38 (mg/L)



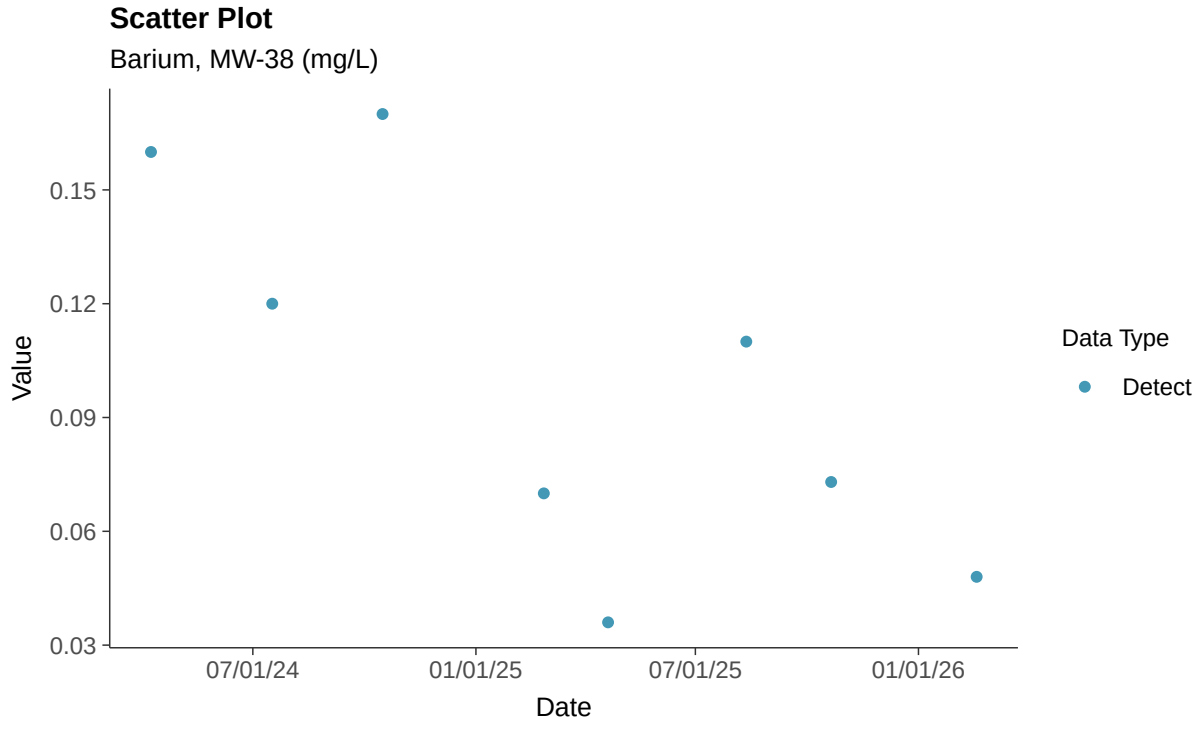
Trend Regression: Piecewise Linear-Linear-Linear

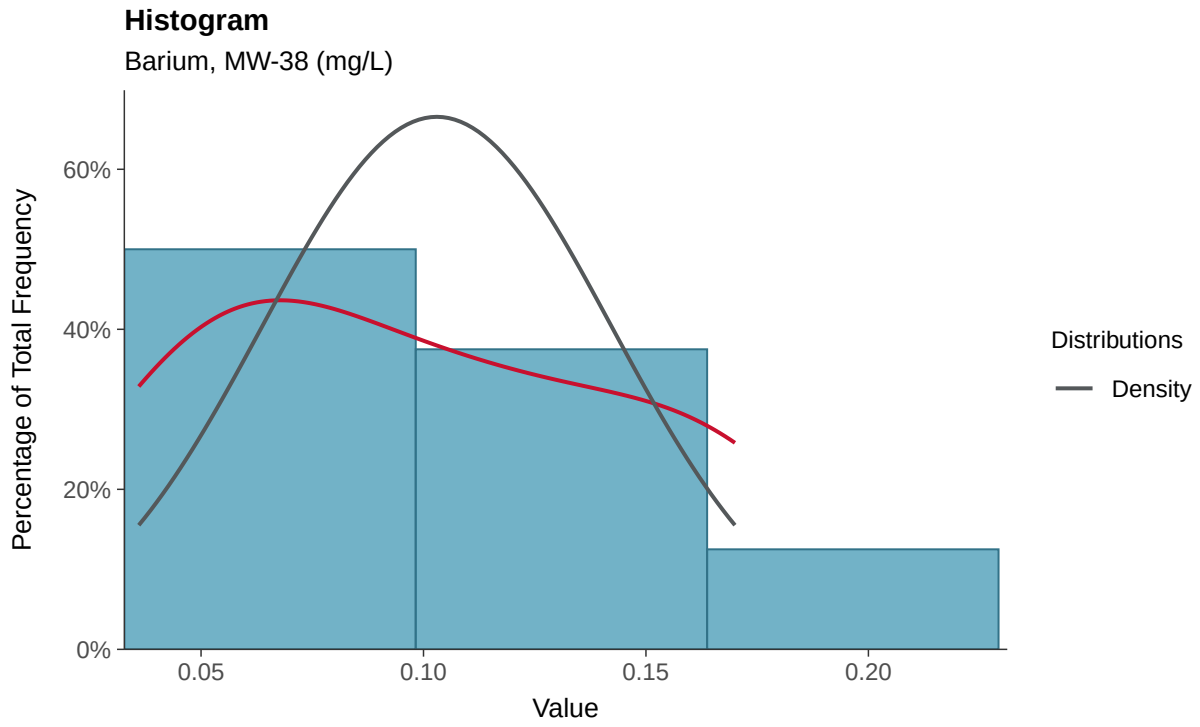
Arsenic, MW-38 (mg/L)



Appendix IV: Barium, MW-38

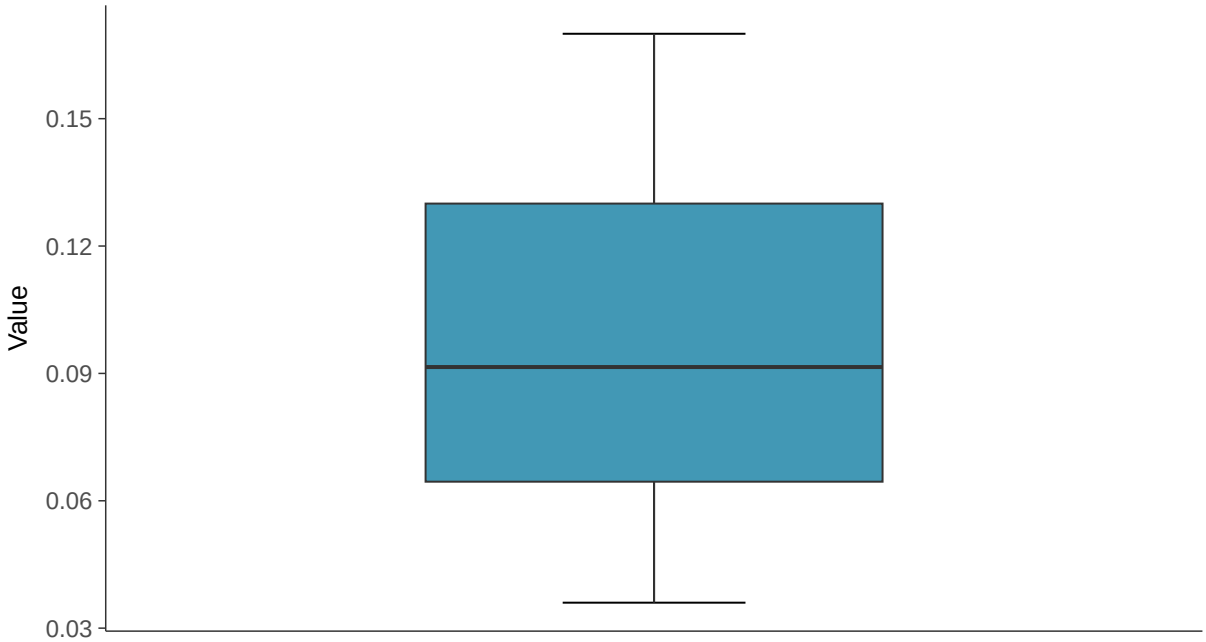
ID: 48_2_4_103





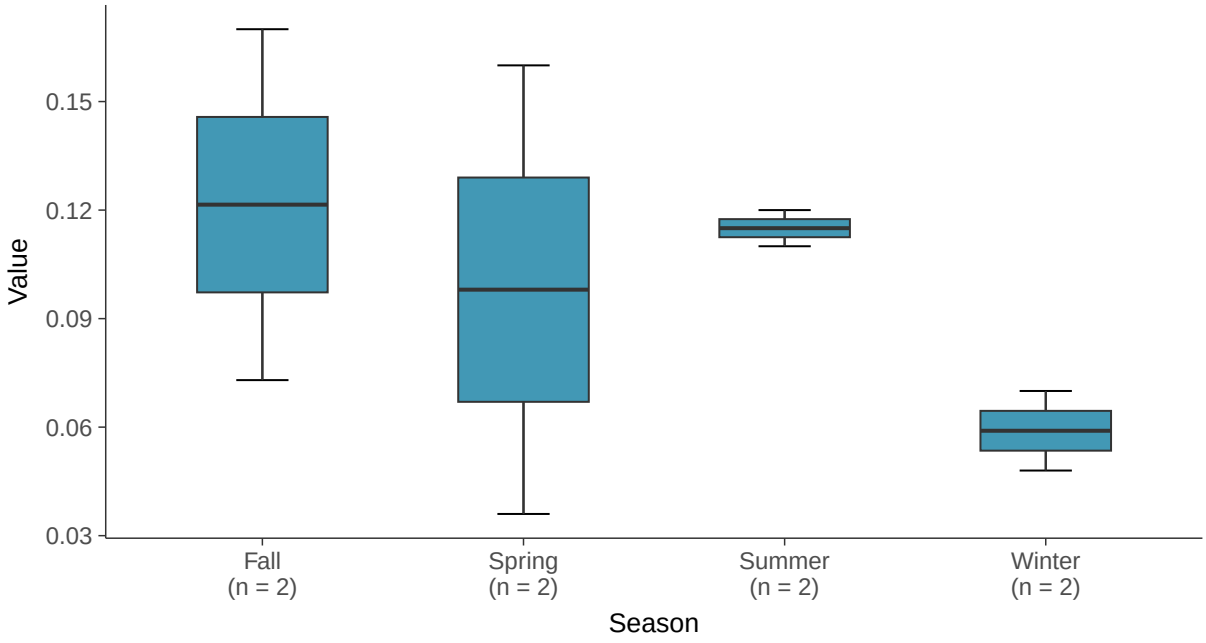
Boxplot

Barium, MW-38 (mg/L)



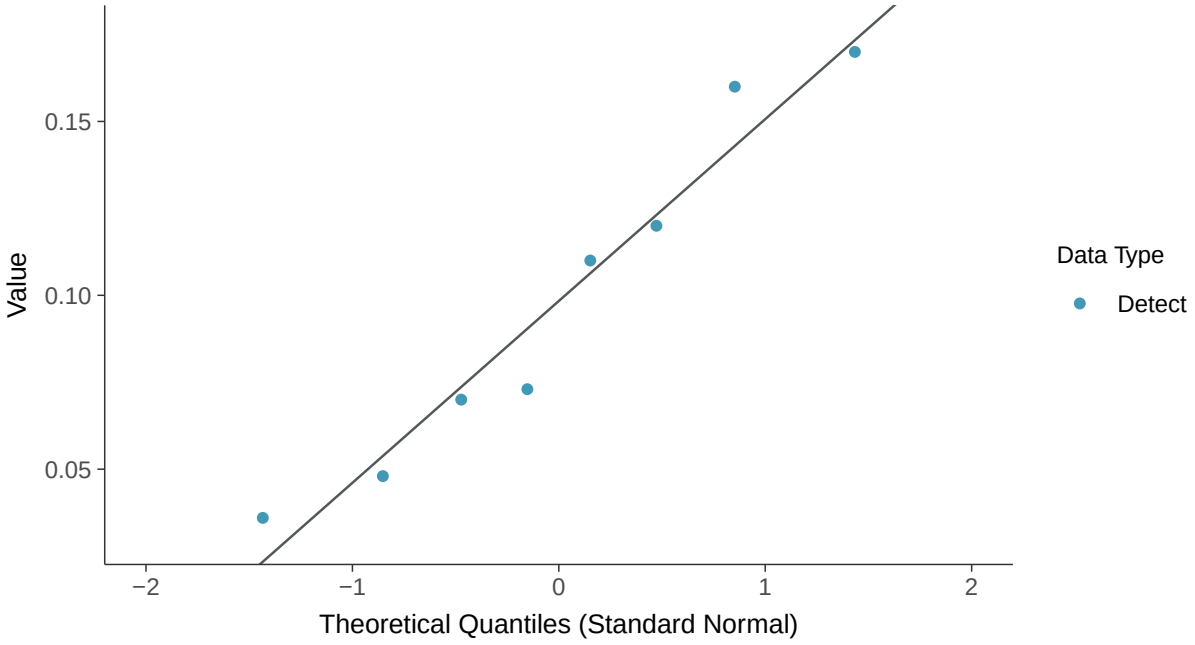
Boxplot by Season

Barium, MW-38 (mg/L)



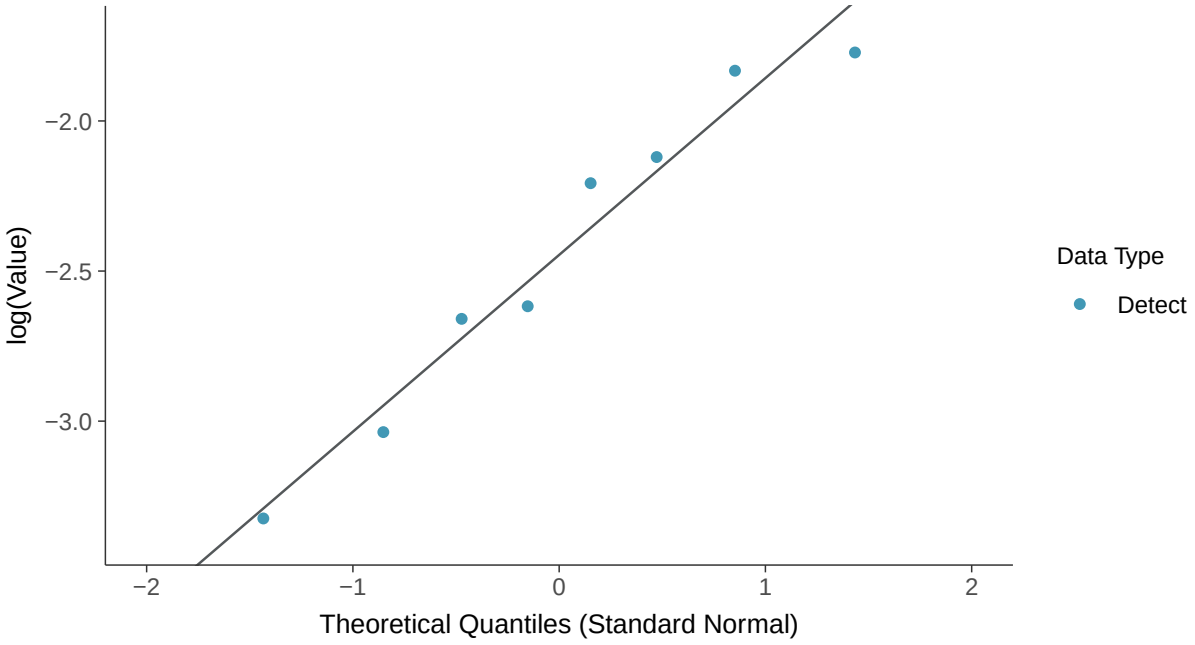
Normal Q-Q plot

Barium, MW-38 (mg/L)



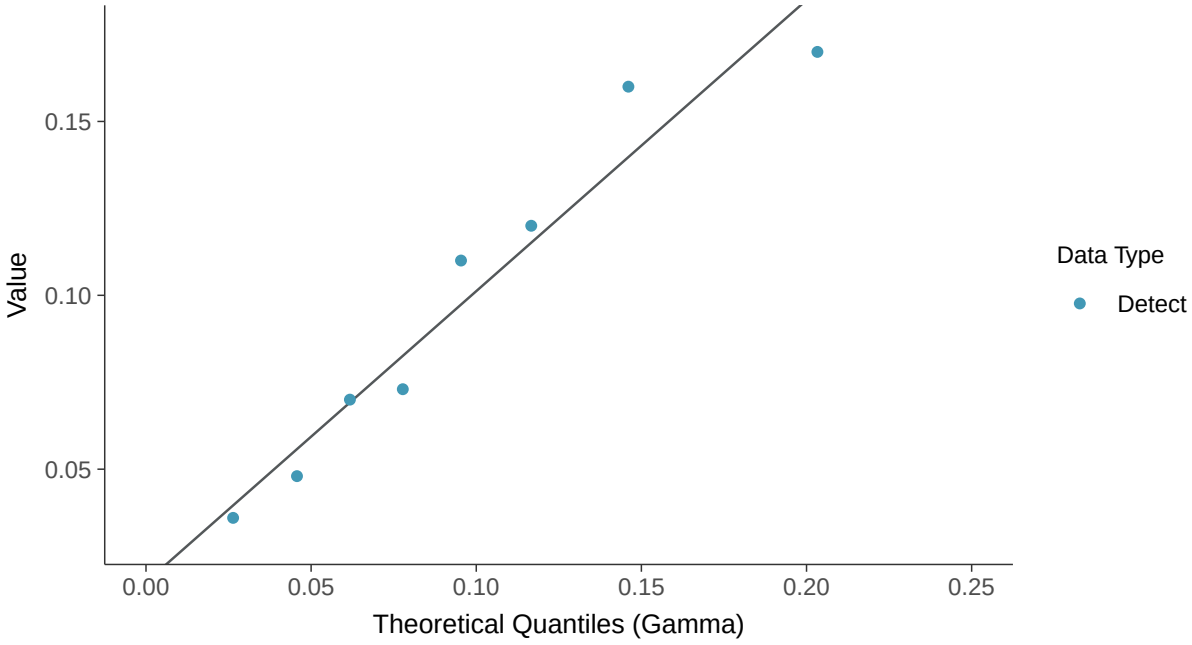
Lognormal Q-Q plot

Barium, MW-38 (mg/L)



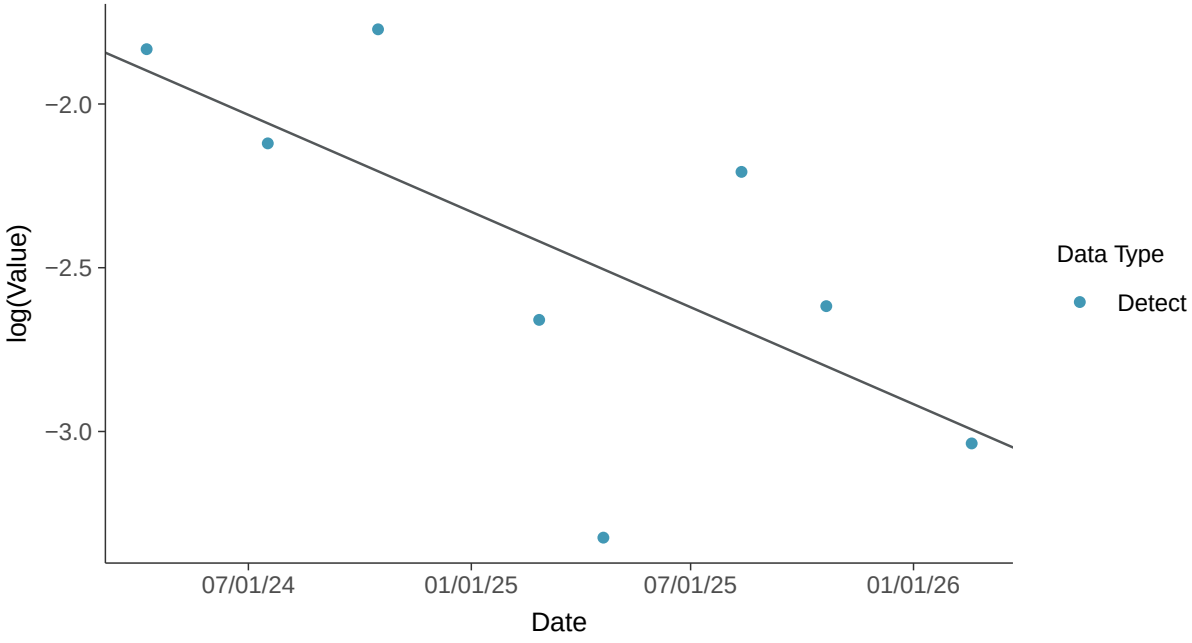
Gamma Q-Q plot

Barium, MW-38 (mg/L)



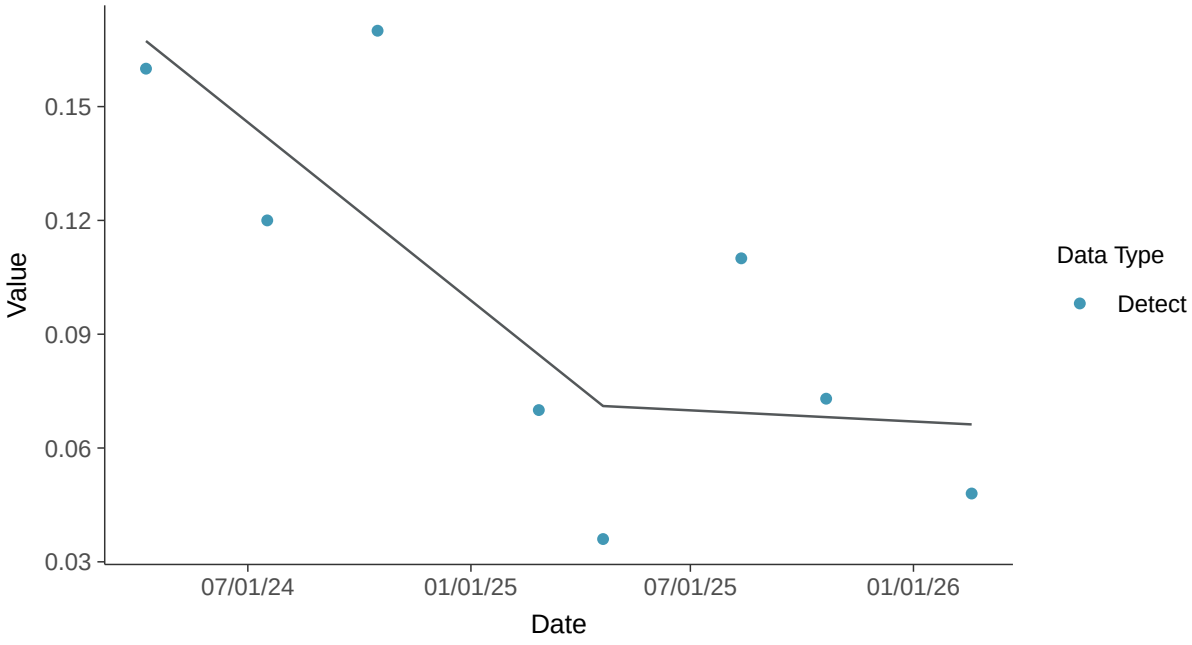
Trend Regression: Lognormal MLE

Barium, MW-38 (mg/L)



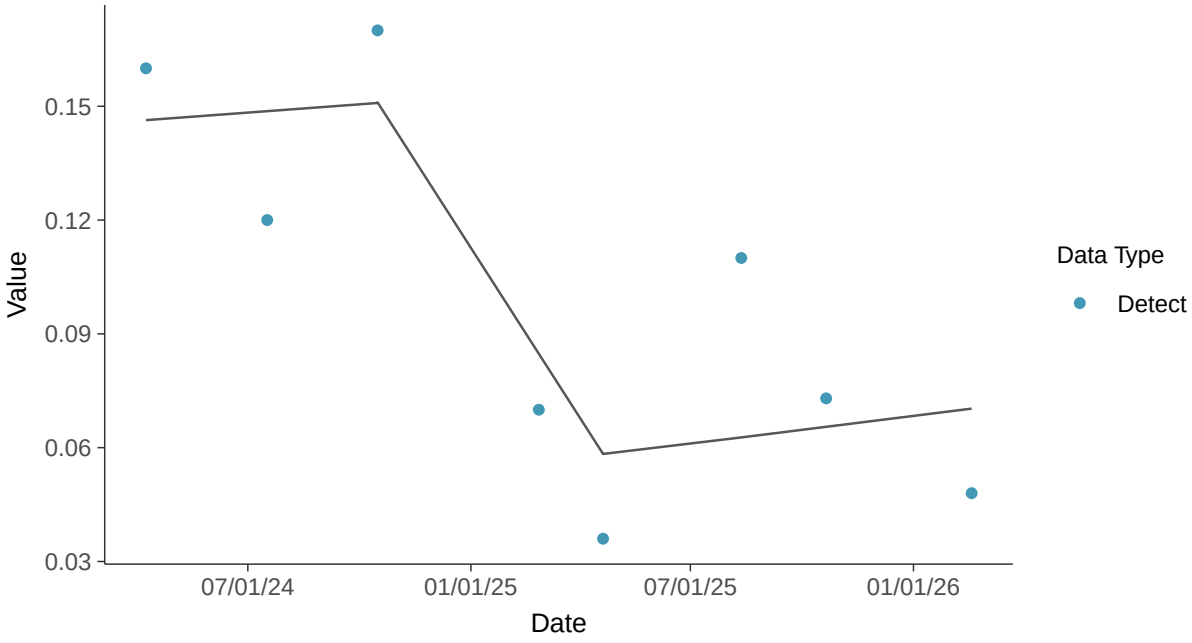
Trend Regression: Piecewise Linear-Linear

Barium, MW-38 (mg/L)



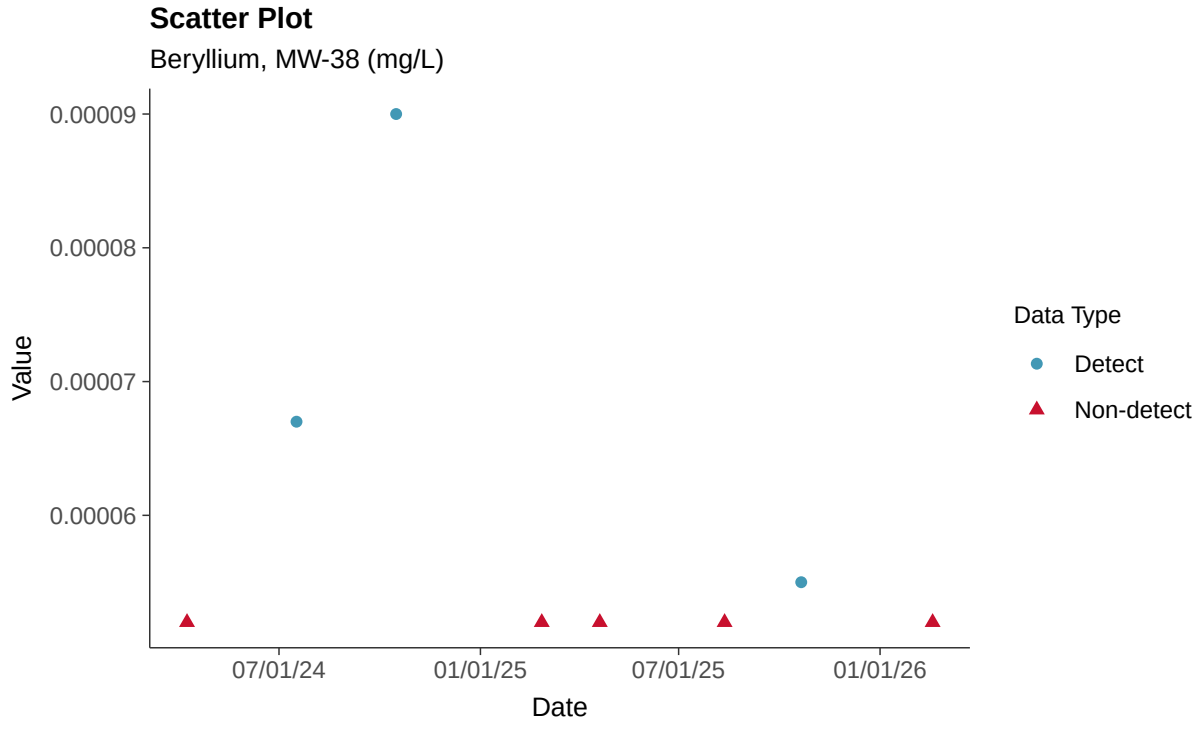
Trend Regression: Piecewise Linear-Linear-Linear

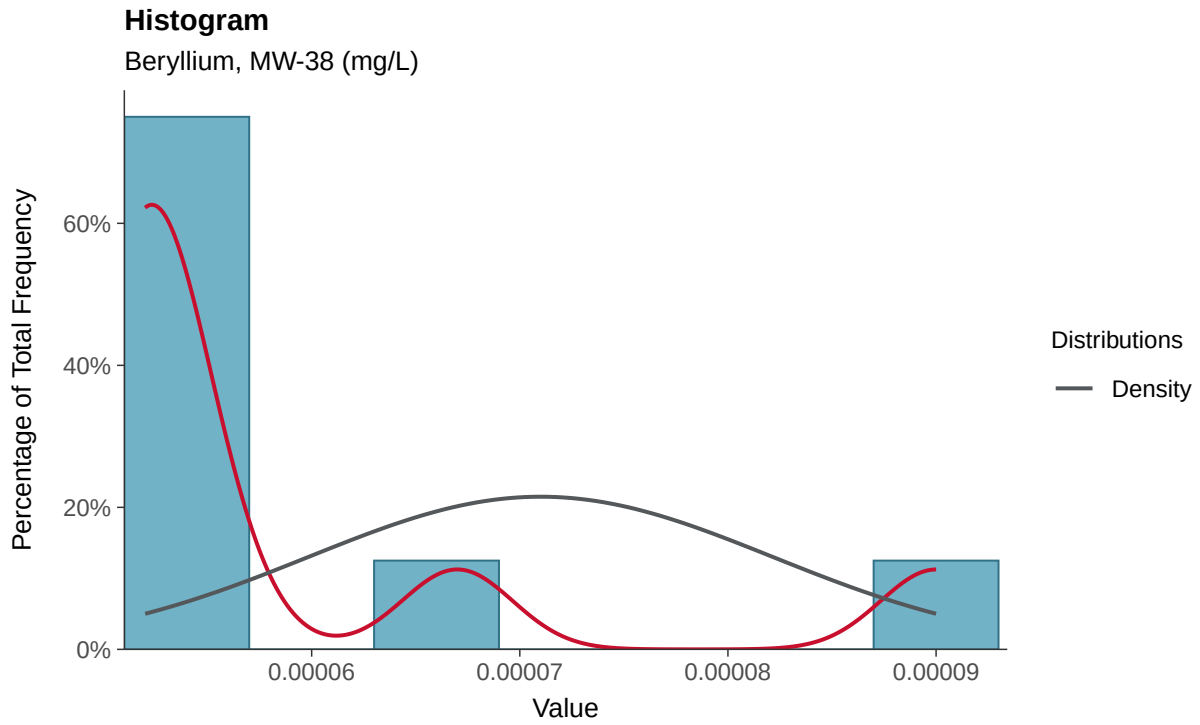
Barium, MW-38 (mg/L)



Appendix IV: Beryllium, MW-38

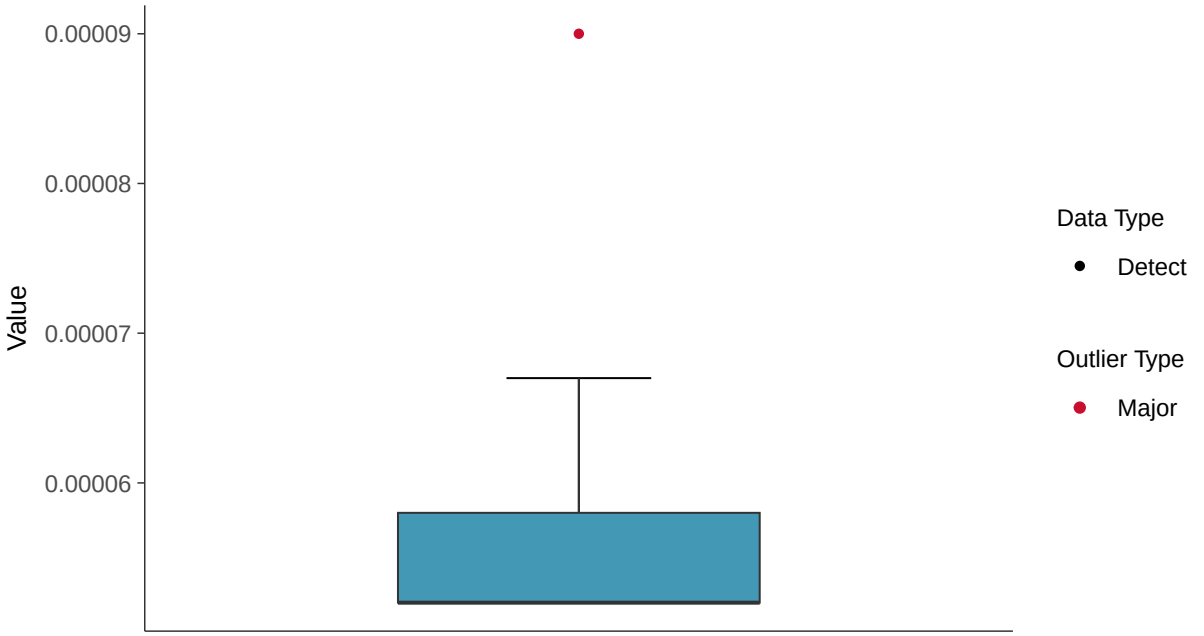
ID: 48_2_4_104





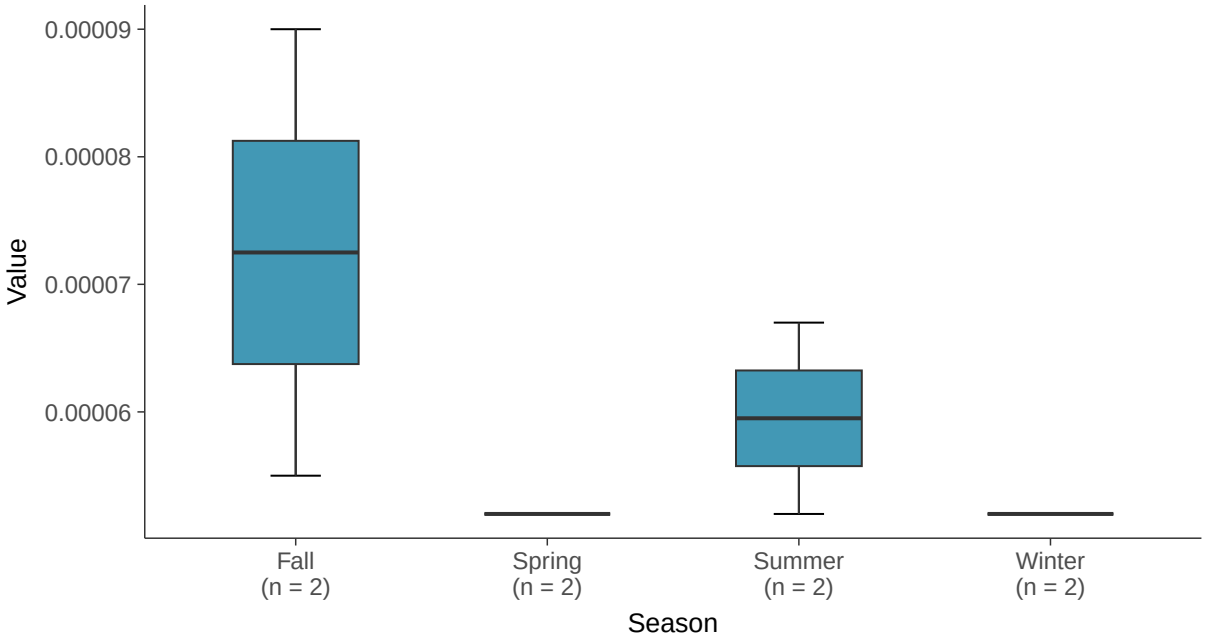
Boxplot

Beryllium, MW-38 (mg/L)



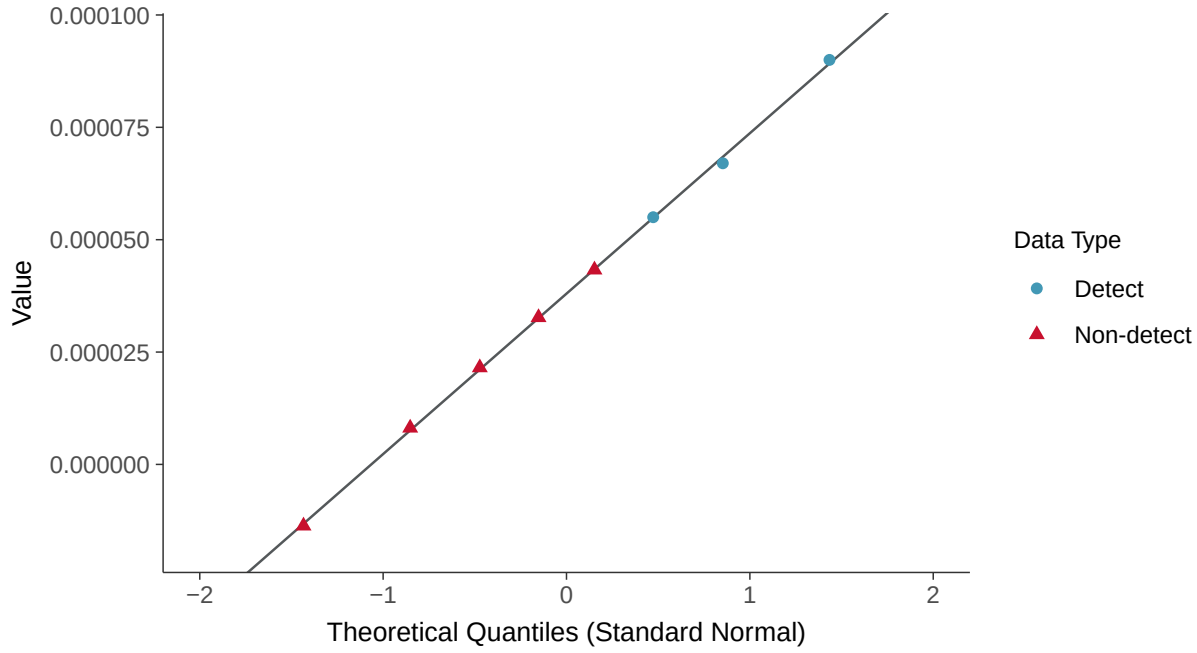
Boxplot by Season

Beryllium, MW-38 (mg/L)



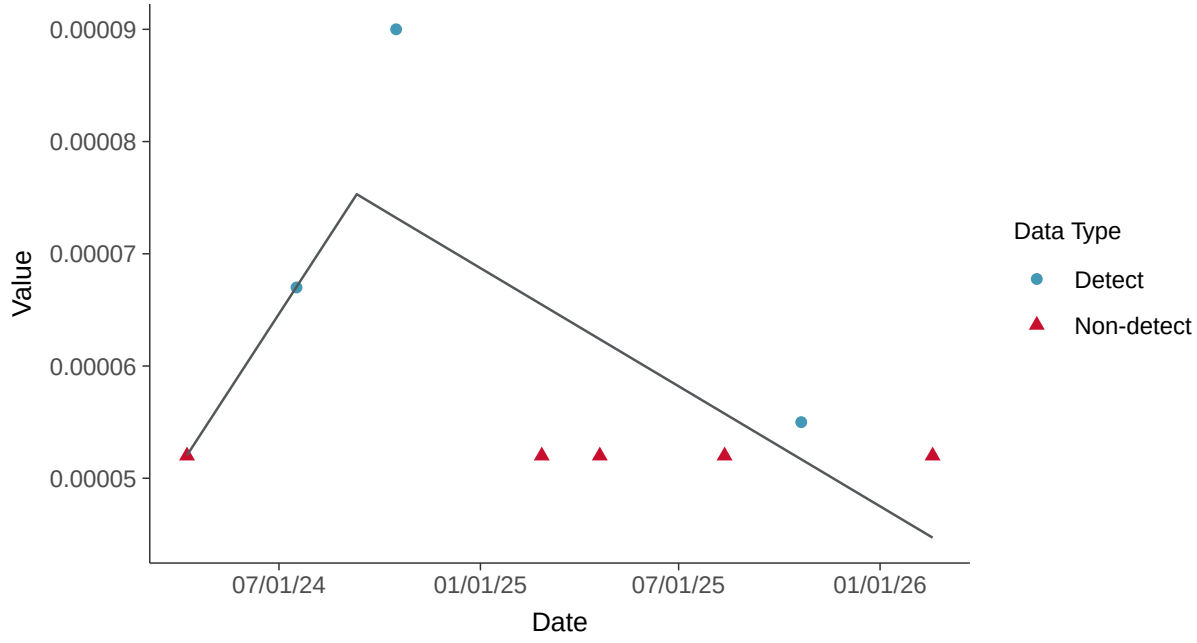
Normal Q-Q plot using ROS Imputed Estimates

Beryllium, MW-38 (mg/L)



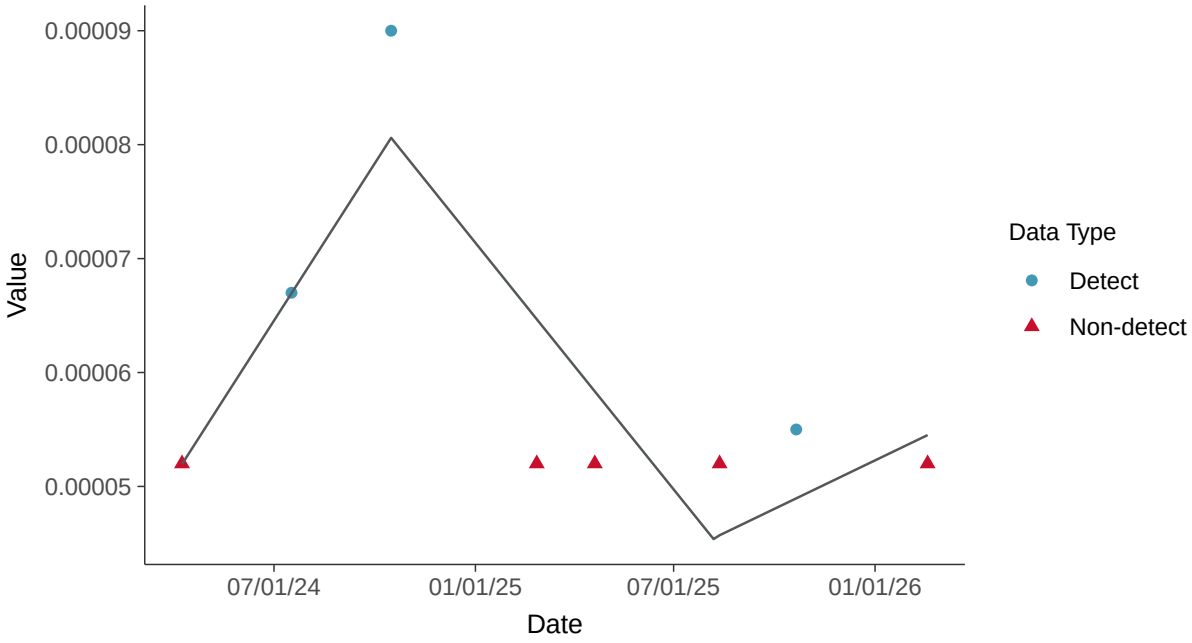
Trend Regression: Piecewise Linear-Linear

Beryllium, MW-38 (mg/L)



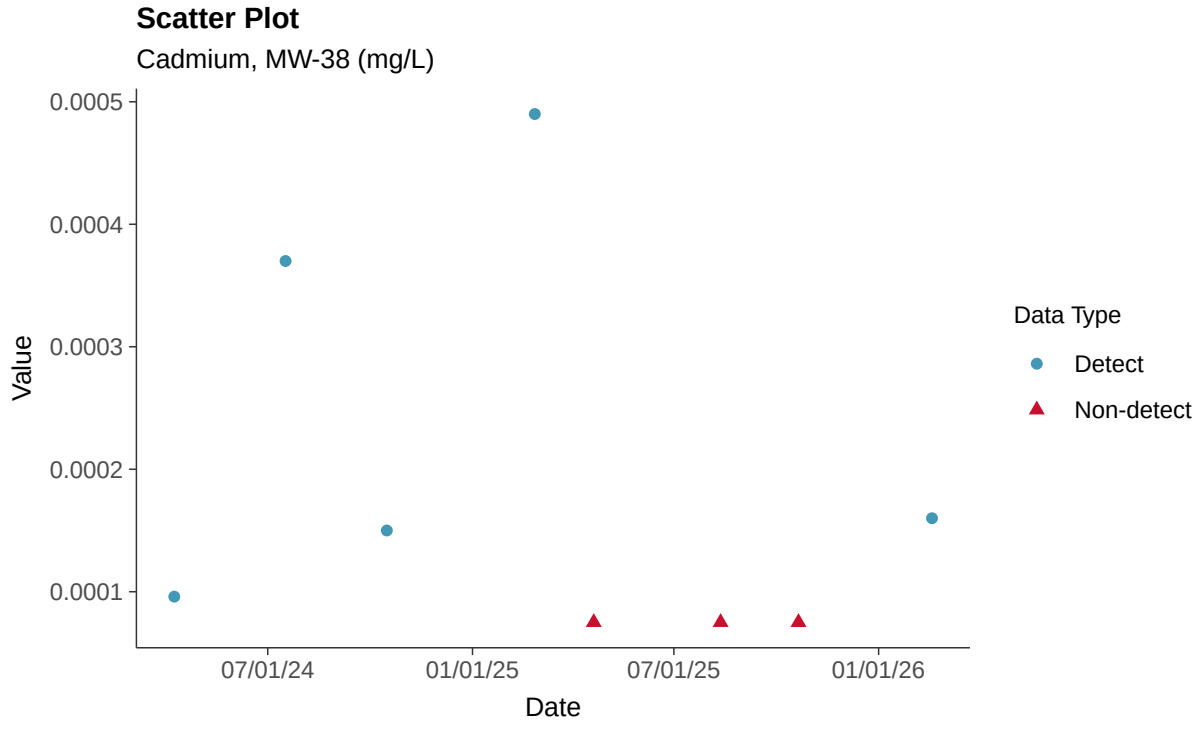
Trend Regression: Piecewise Linear-Linear-Linear

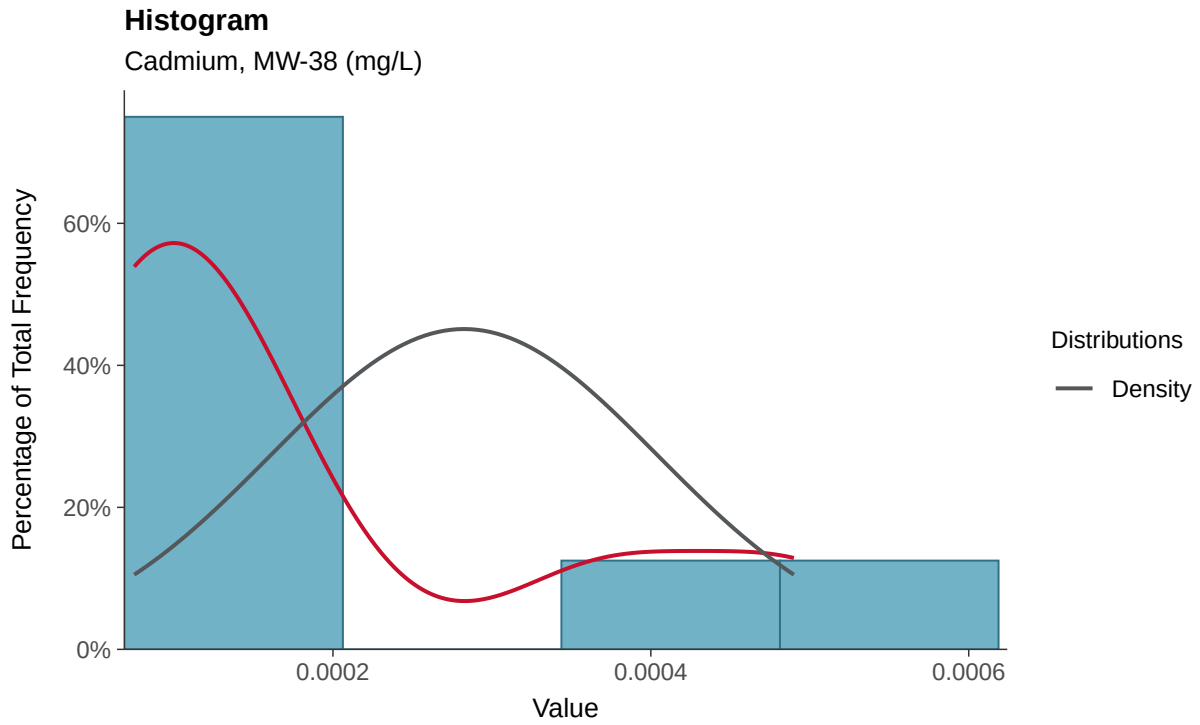
Beryllium, MW-38 (mg/L)



Appendix IV: Cadmium, MW-38

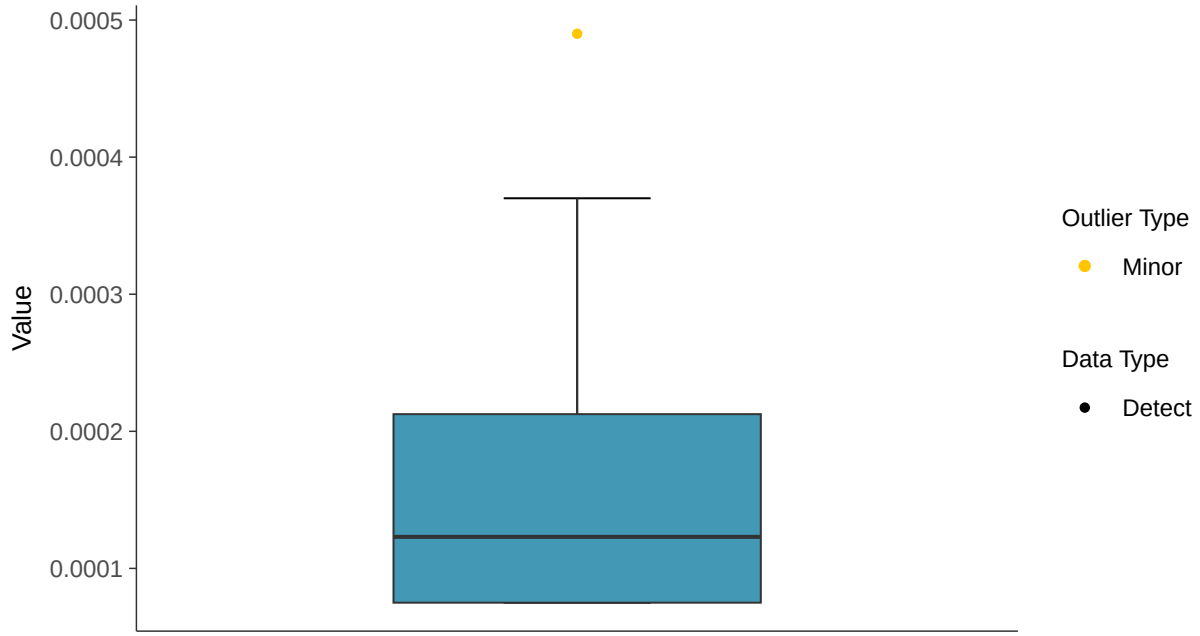
ID: 48_2_4_106





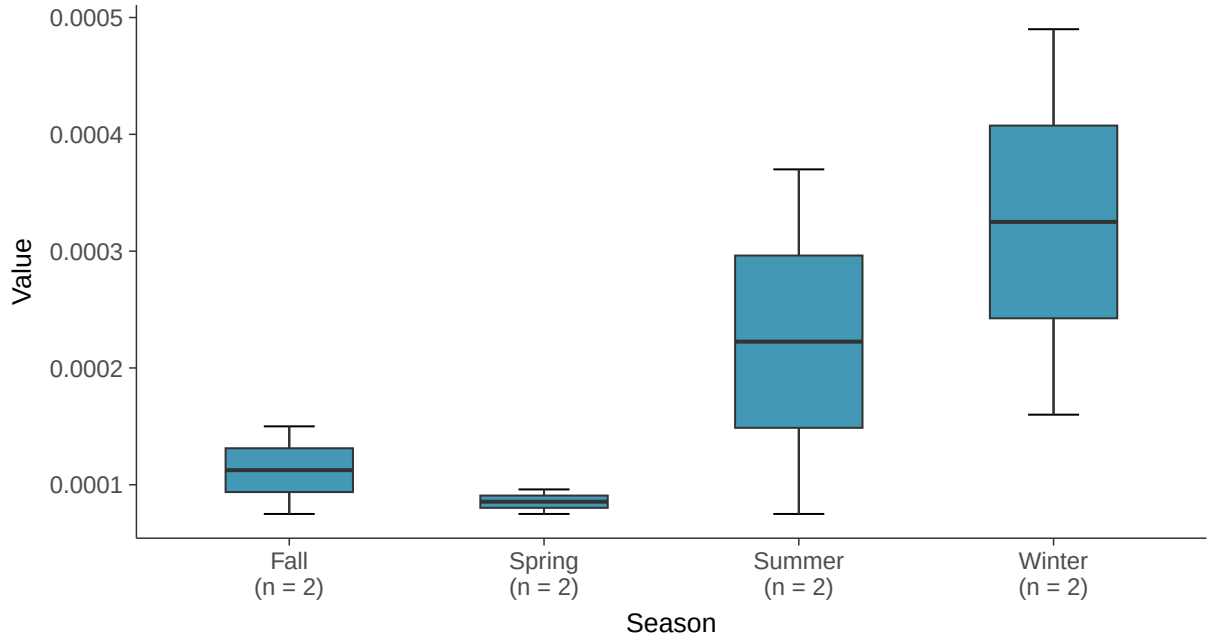
Boxplot

Cadmium, MW-38 (mg/L)



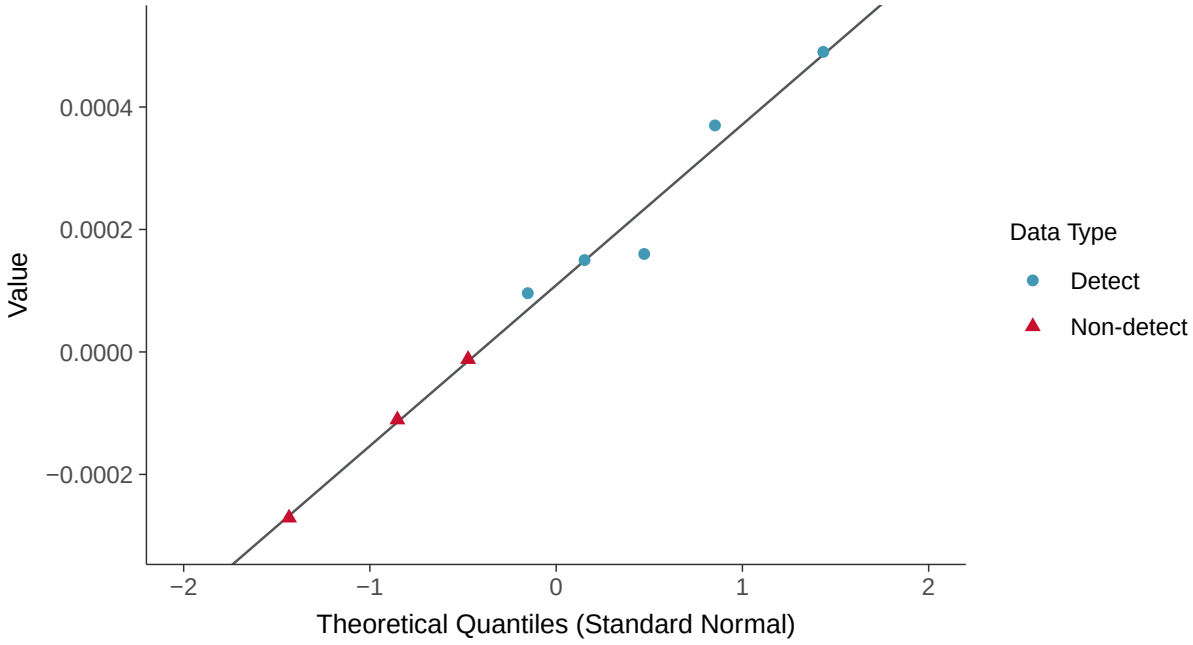
Boxplot by Season

Cadmium, MW-38 (mg/L)



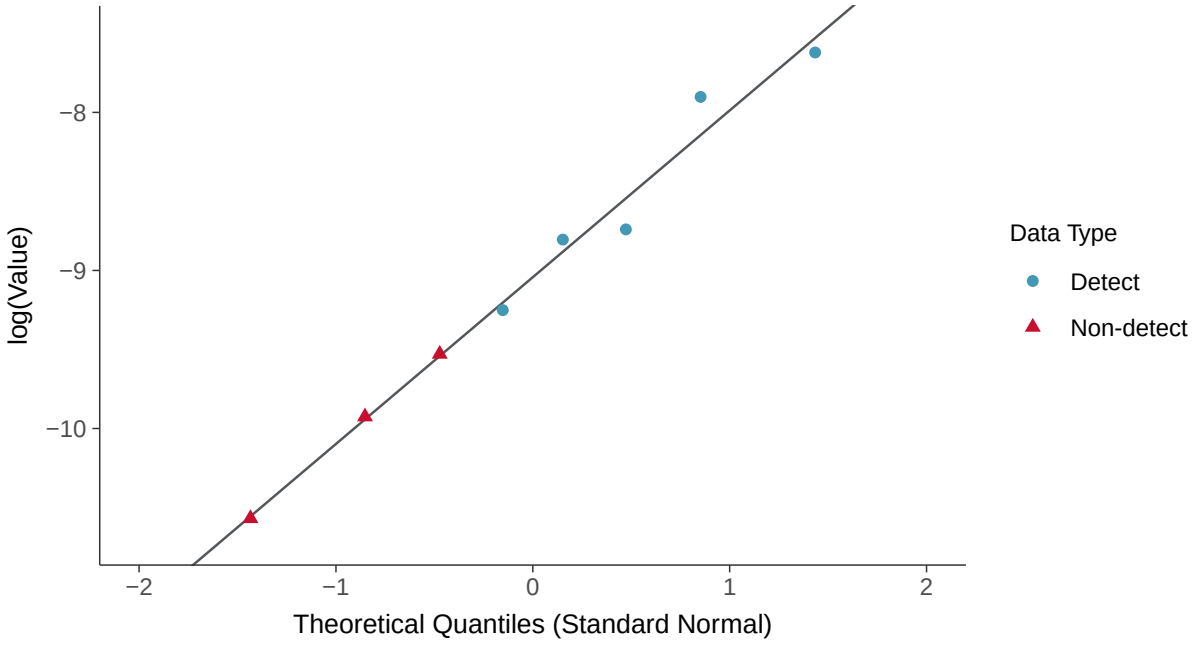
Normal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-38 (mg/L)



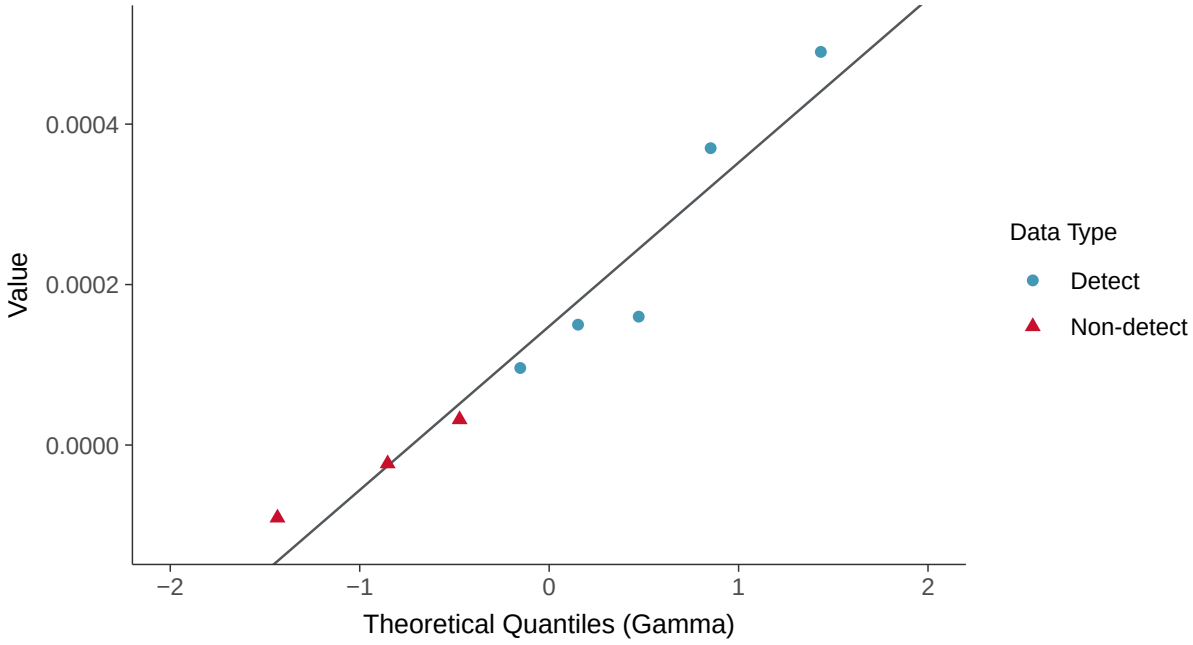
Lognormal Q-Q plot using ROS Imputed Estimates

Cadmium, MW-38 (mg/L)



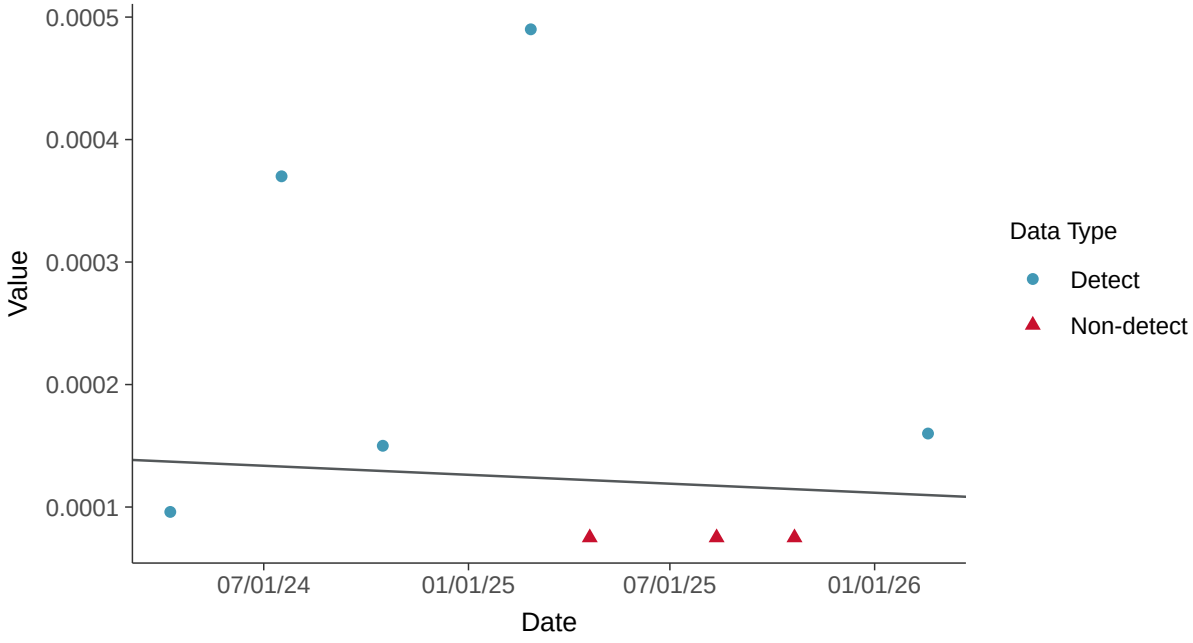
Gamma Q-Q plot using ROS Imputed Estimates

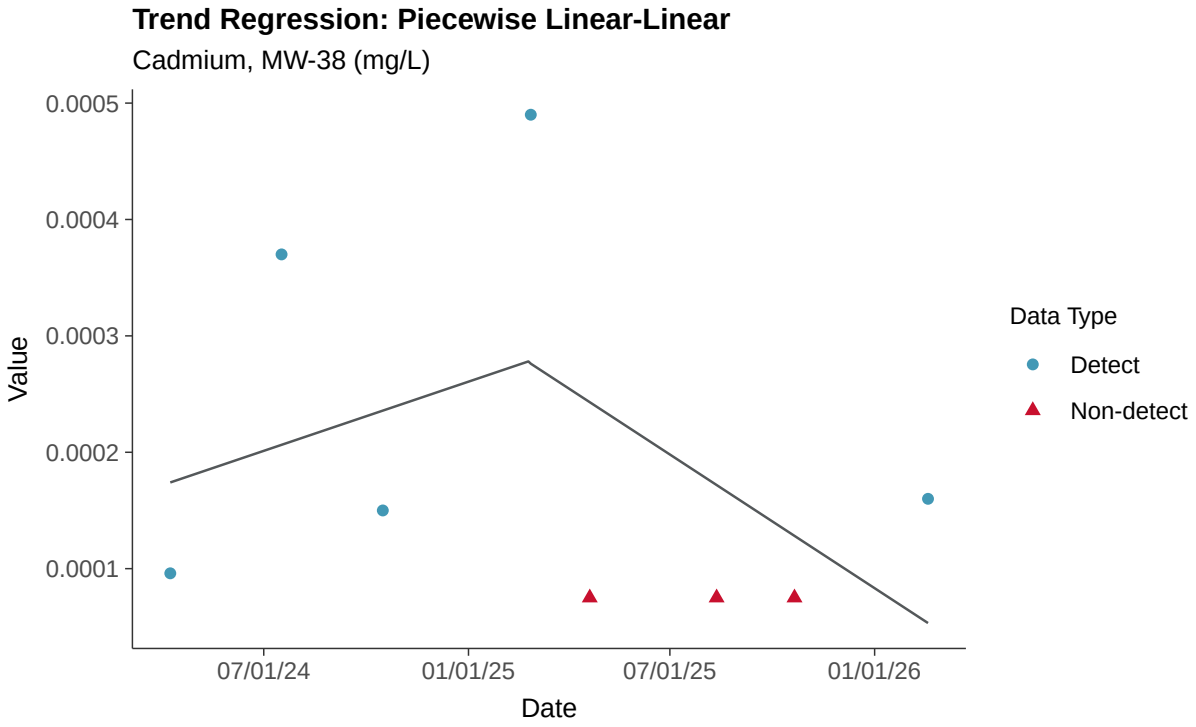
Cadmium, MW-38 (mg/L)



Trend Regression: Mann-Kendall/Theil-Sen Estimate

Cadmium, MW-38 (mg/L)



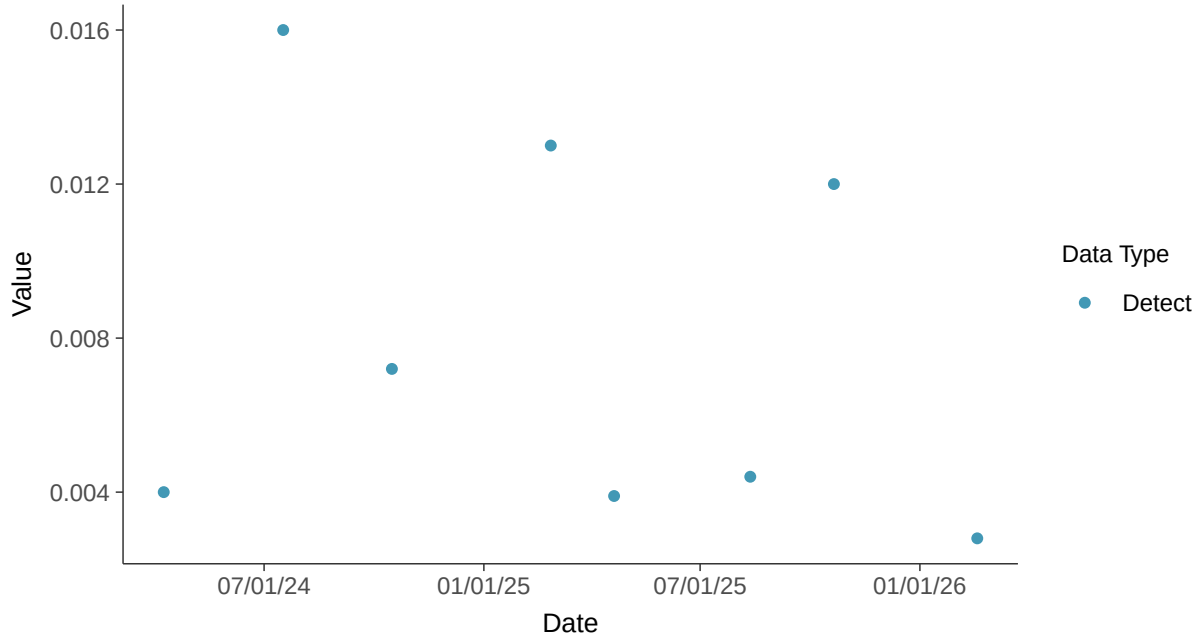

Trend Regression: Piecewise Linear-Linear
Cadmium, MW-38 (mg/L)
Value
0.0005
0.0004
0.0003
0.0002
0.0001
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Appendix IV: Chromium, Total, MW-38

ID: 48_2_4_109

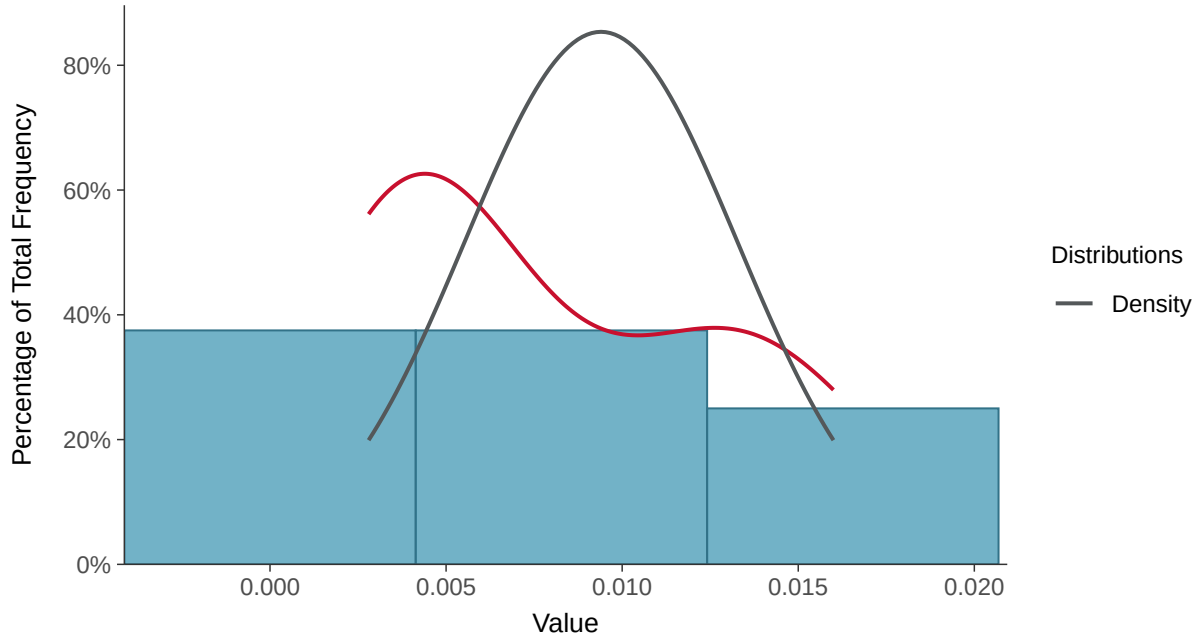
Scatter Plot

Chromium, Total, MW-38 (mg/L)



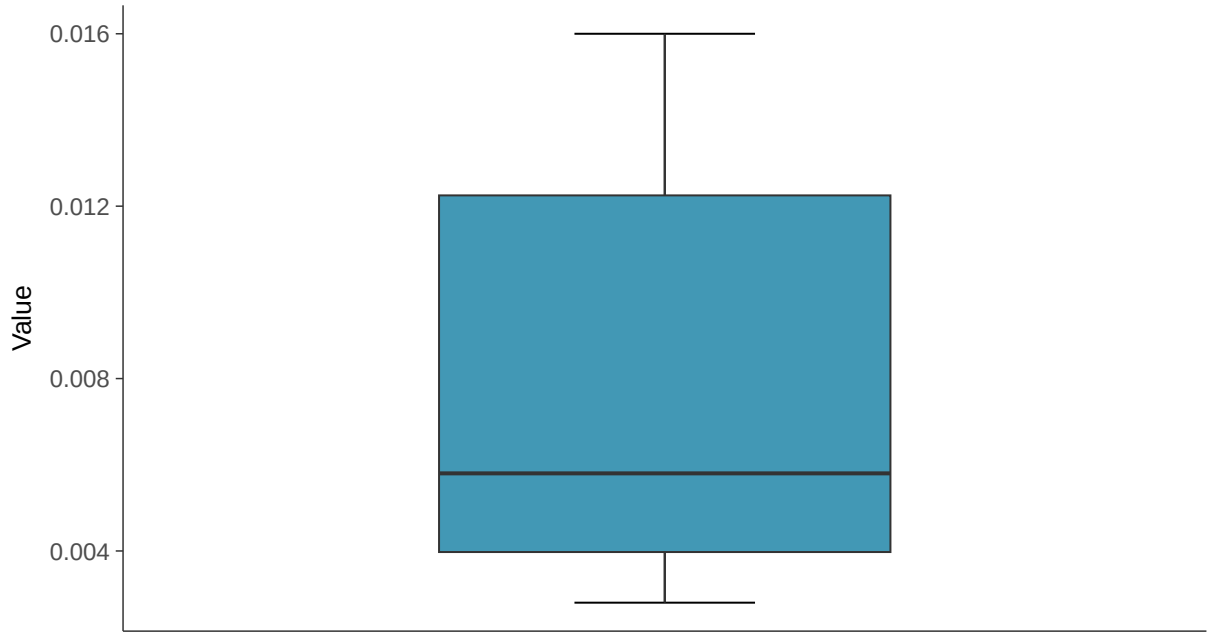
Histogram

Chromium, Total, MW-38 (mg/L)



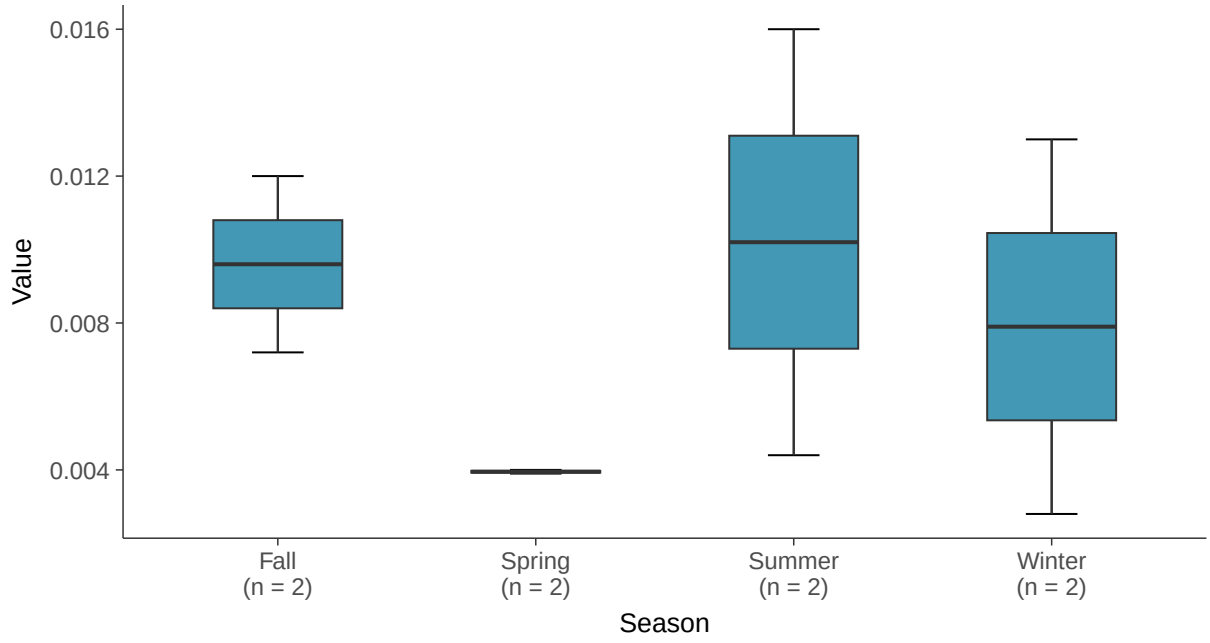
Boxplot

Chromium, Total, MW-38 (mg/L)



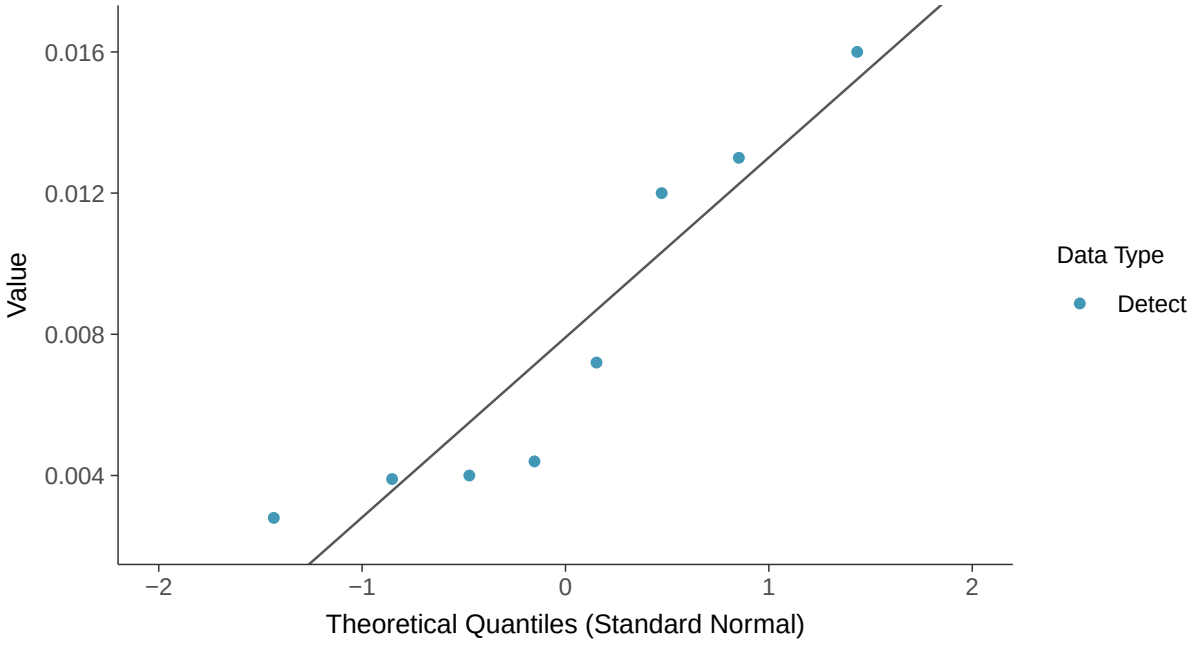
Boxplot by Season

Chromium, Total, MW-38 (mg/L)



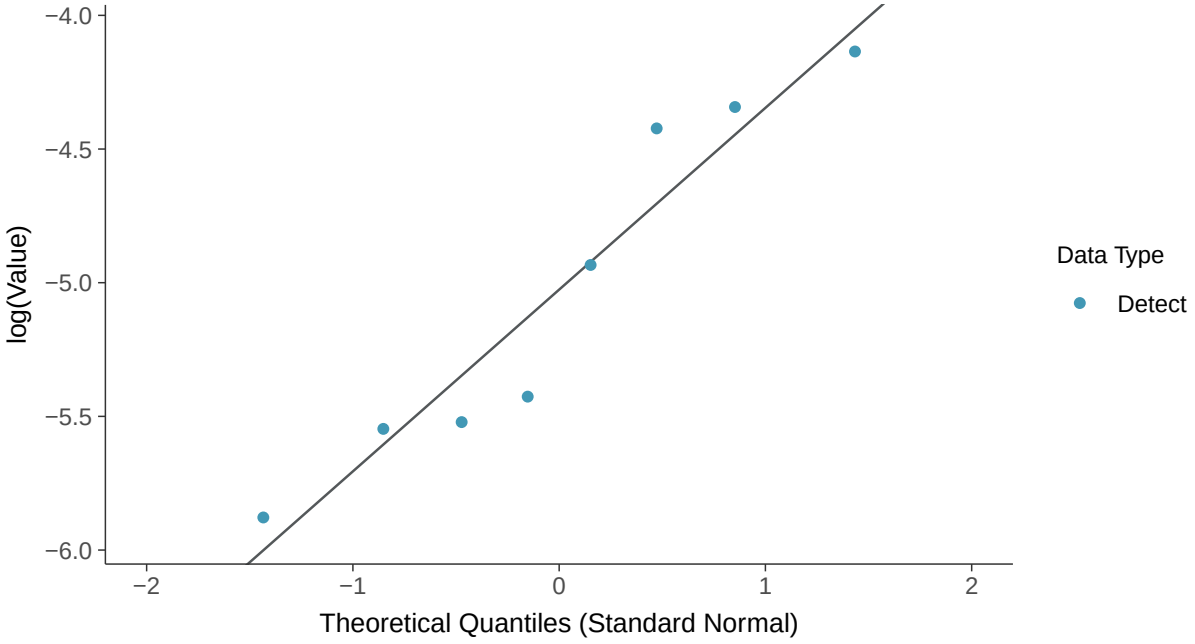
Normal Q-Q plot

Chromium, Total, MW-38 (mg/L)



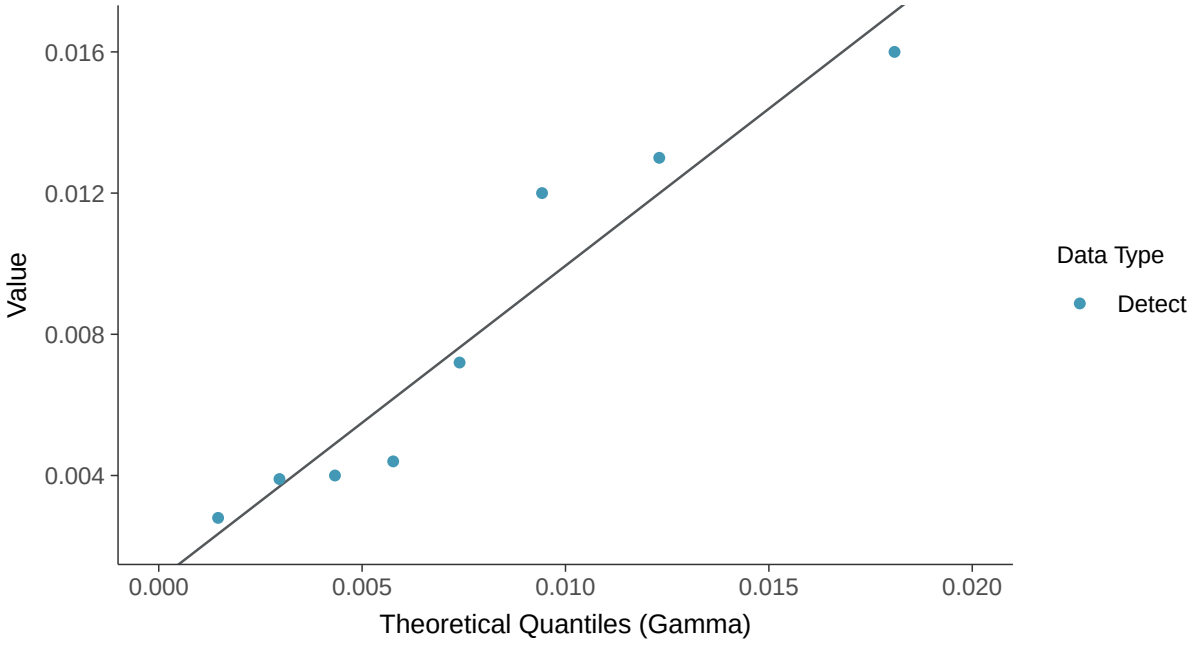
Lognormal Q-Q plot

Chromium, Total, MW-38 (mg/L)



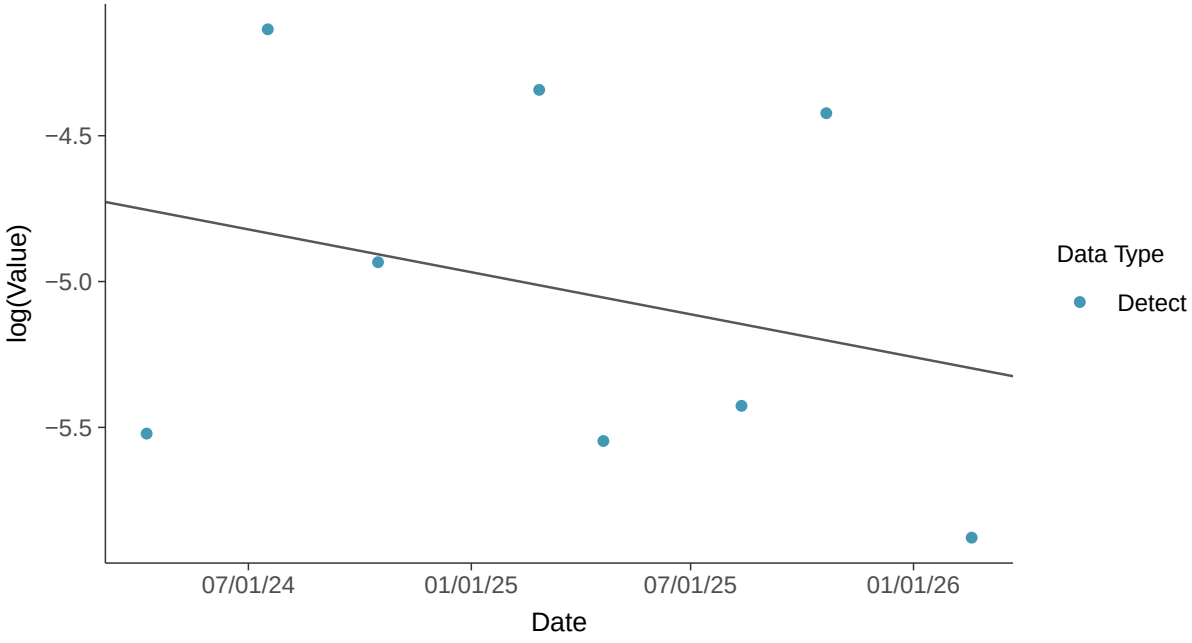
Gamma Q-Q plot

Chromium, Total, MW-38 (mg/L)



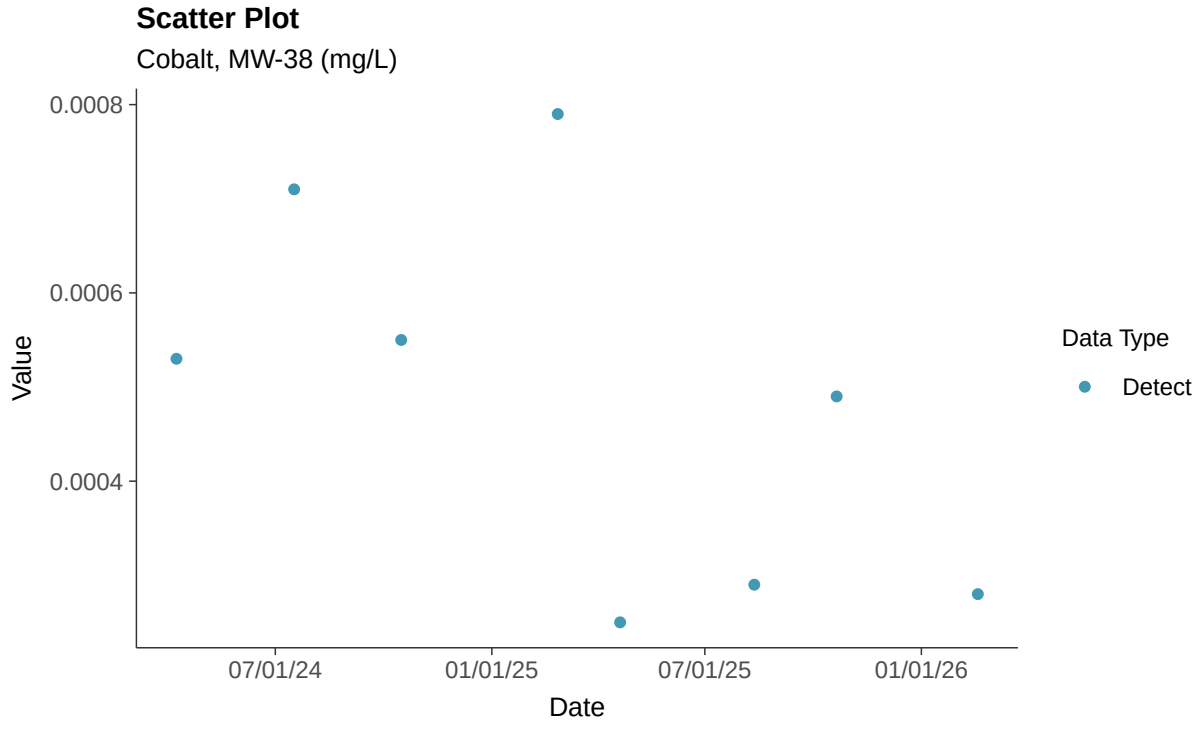
Trend Regression: Lognormal MLE

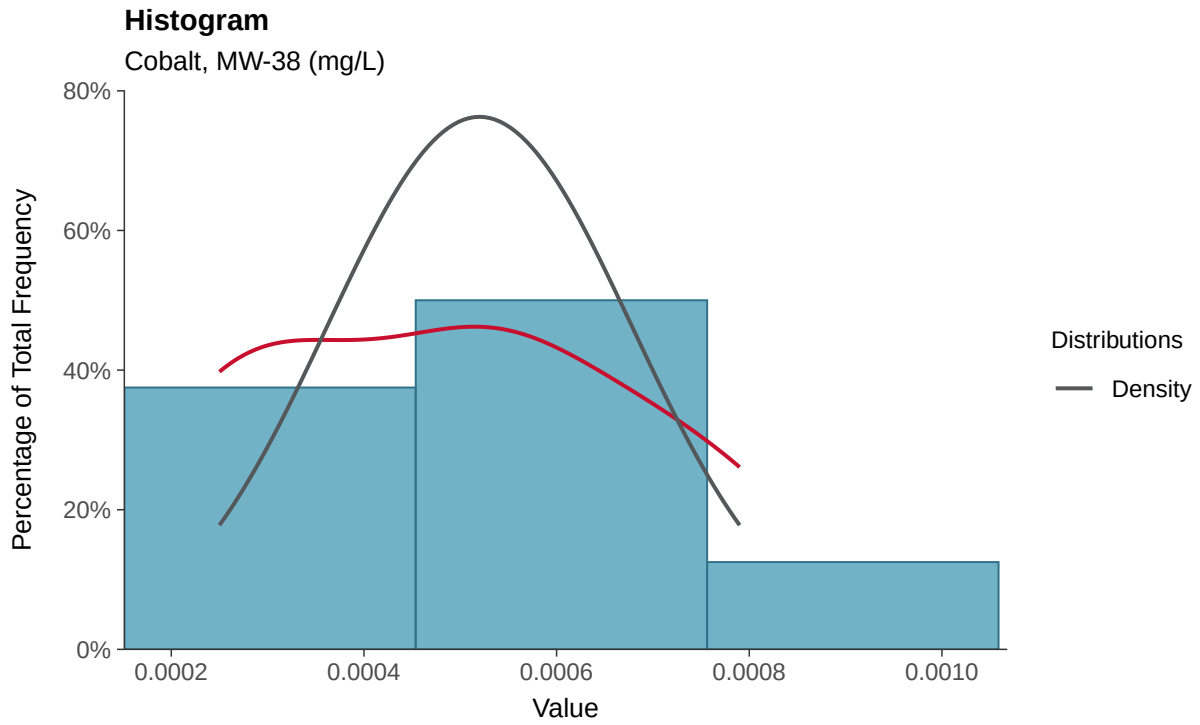
Chromium, Total, MW-38 (mg/L)



Appendix IV: Cobalt, MW-38

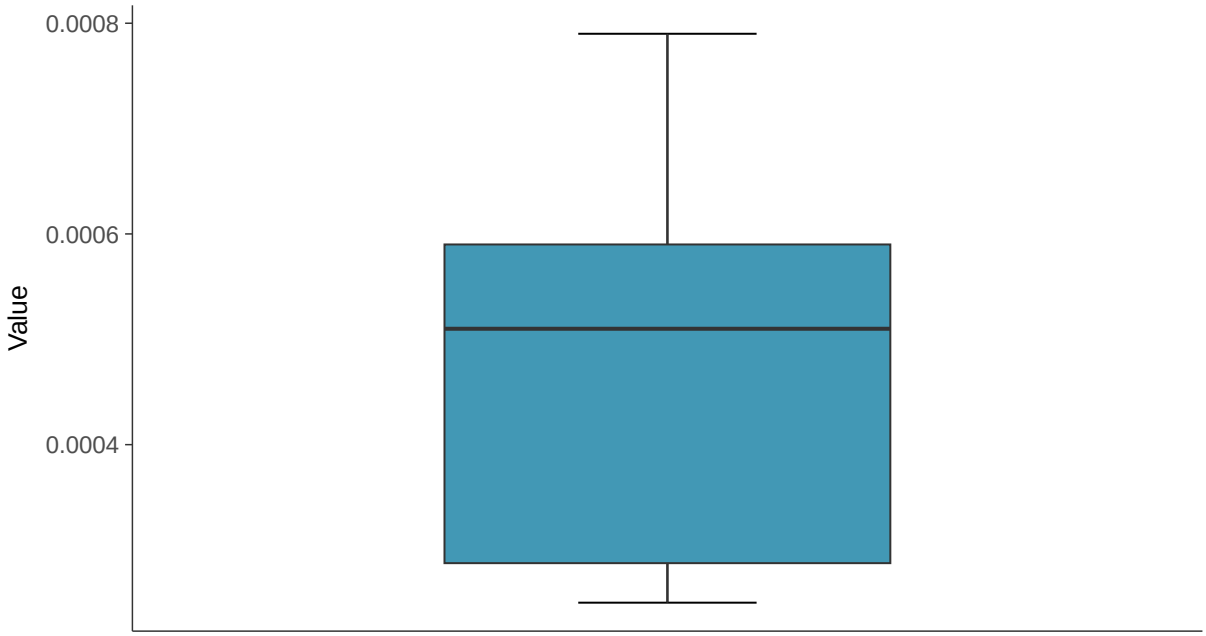
ID: 48_2_4_110





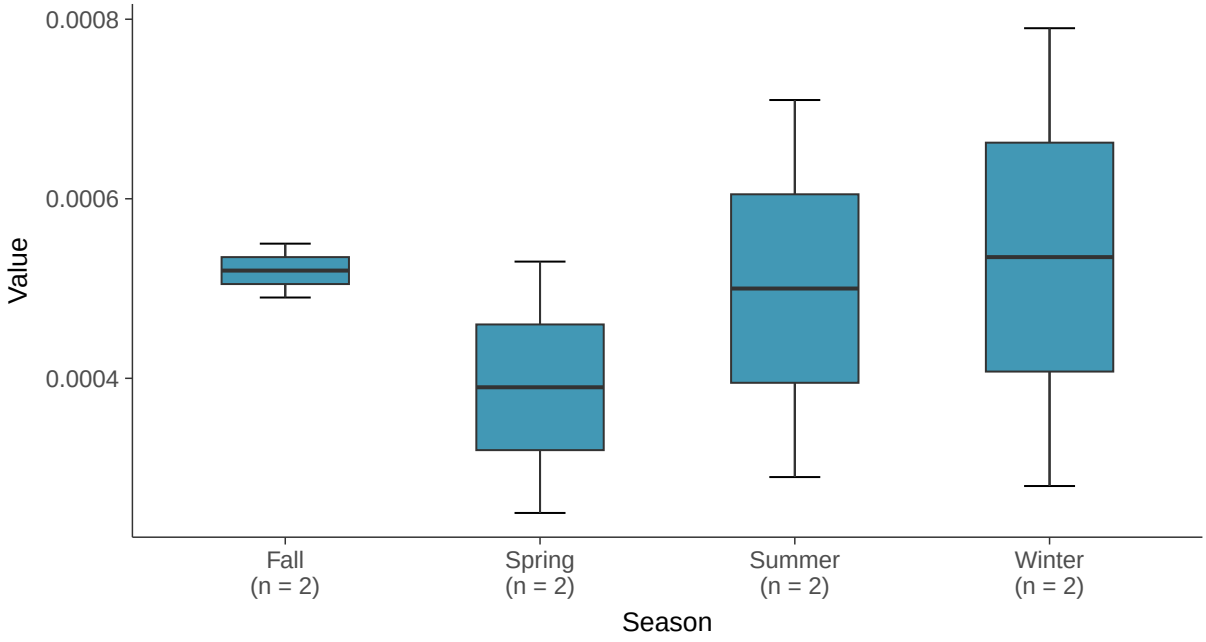
Boxplot

Cobalt, MW-38 (mg/L)



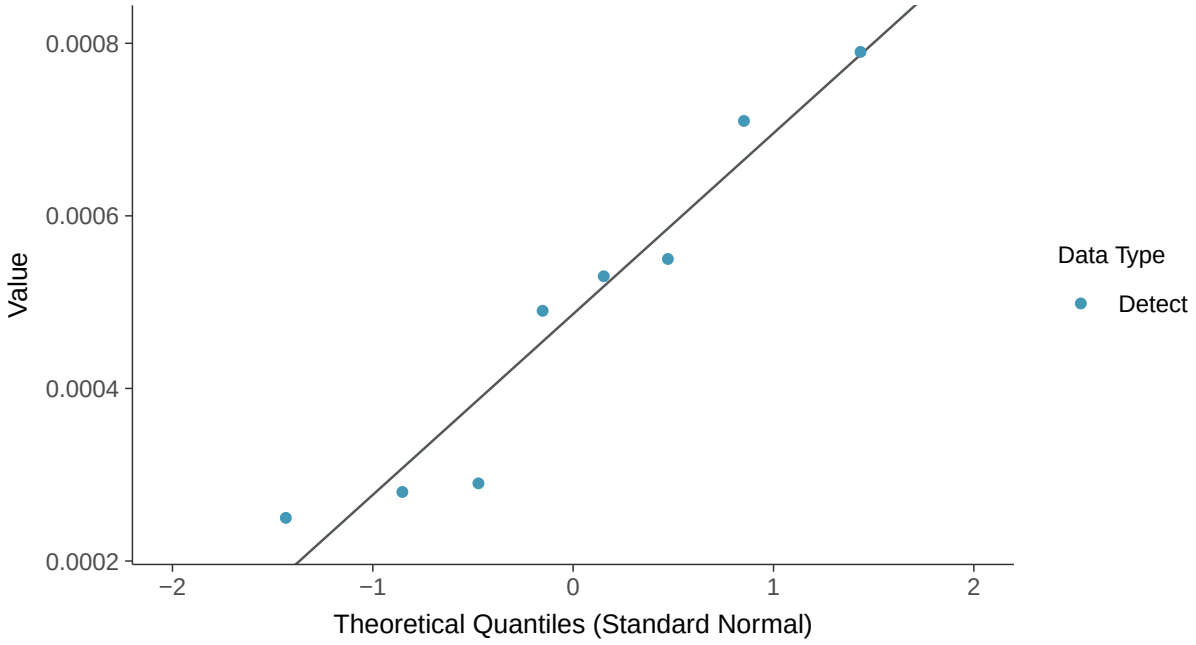
Boxplot by Season

Cobalt, MW-38 (mg/L)



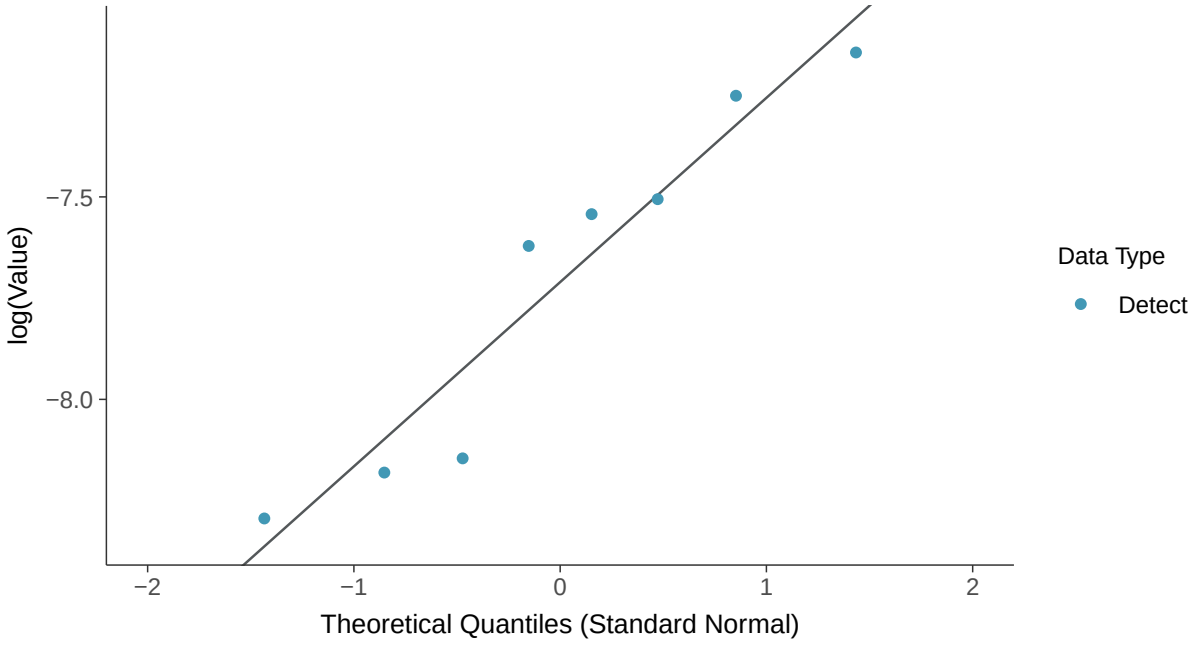
Normal Q-Q plot

Cobalt, MW-38 (mg/L)



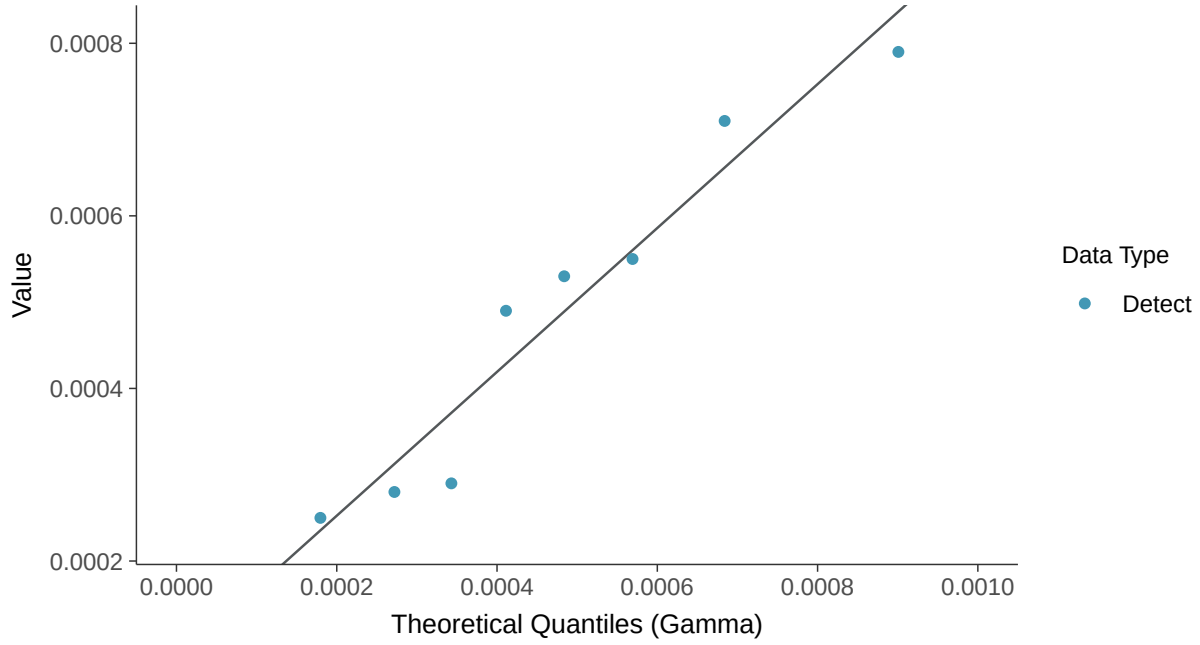
Lognormal Q-Q plot

Cobalt, MW-38 (mg/L)



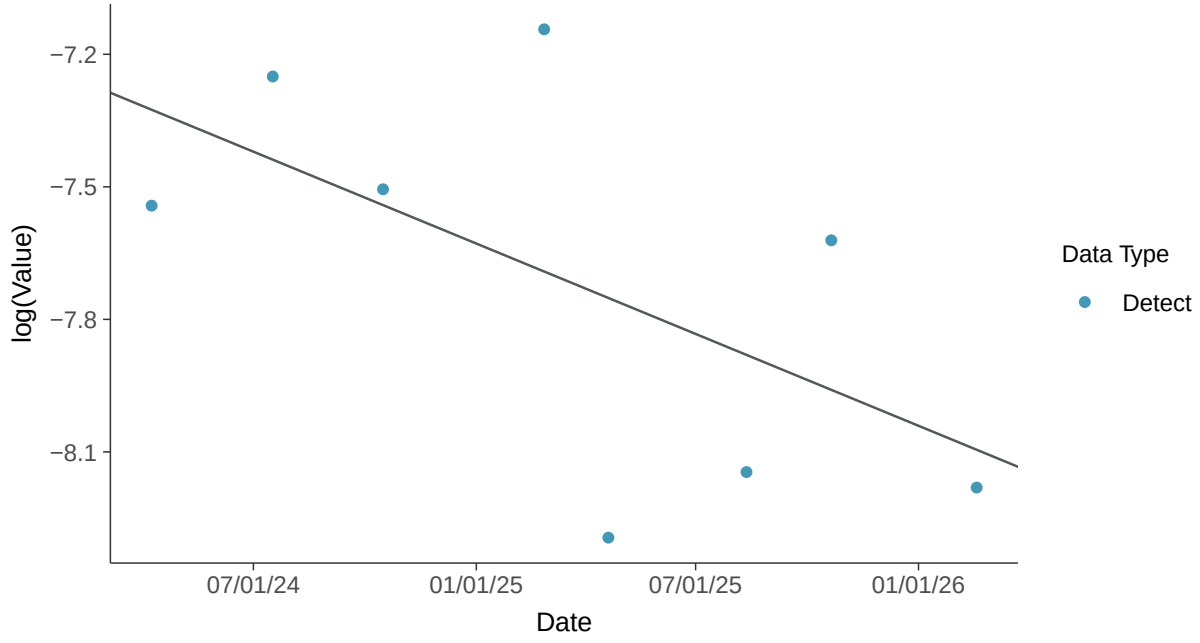
Gamma Q-Q plot

Cobalt, MW-38 (mg/L)



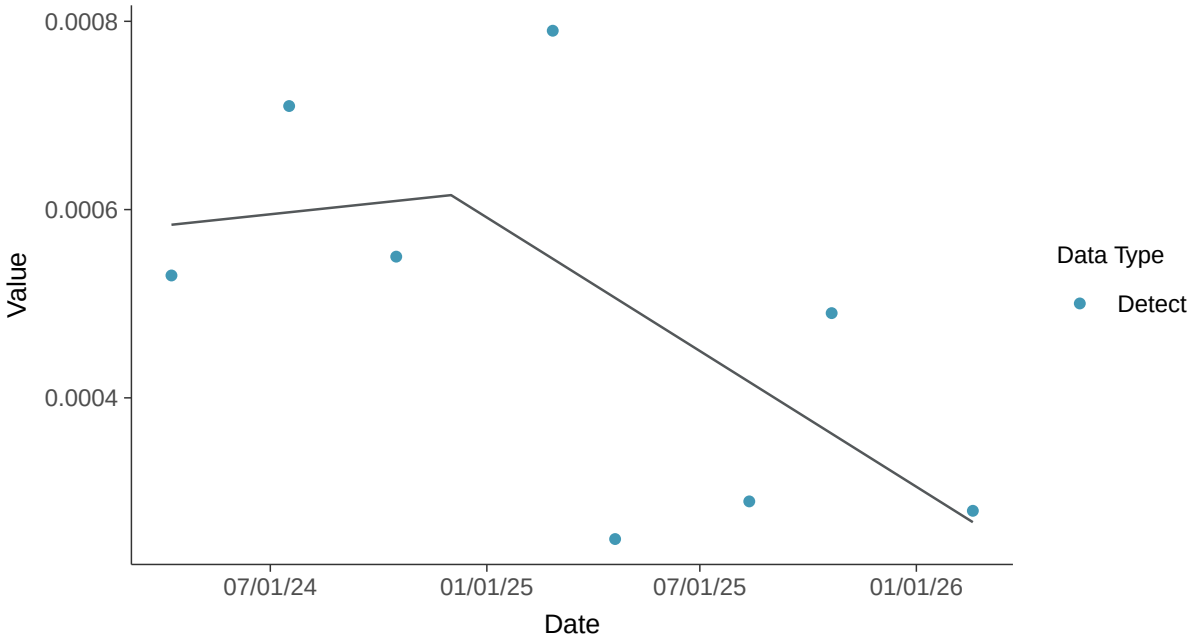
Trend Regression: Lognormal MLE

Cobalt, MW-38 (mg/L)



Trend Regression: Piecewise Linear-Linear

Cobalt, MW-38 (mg/L)

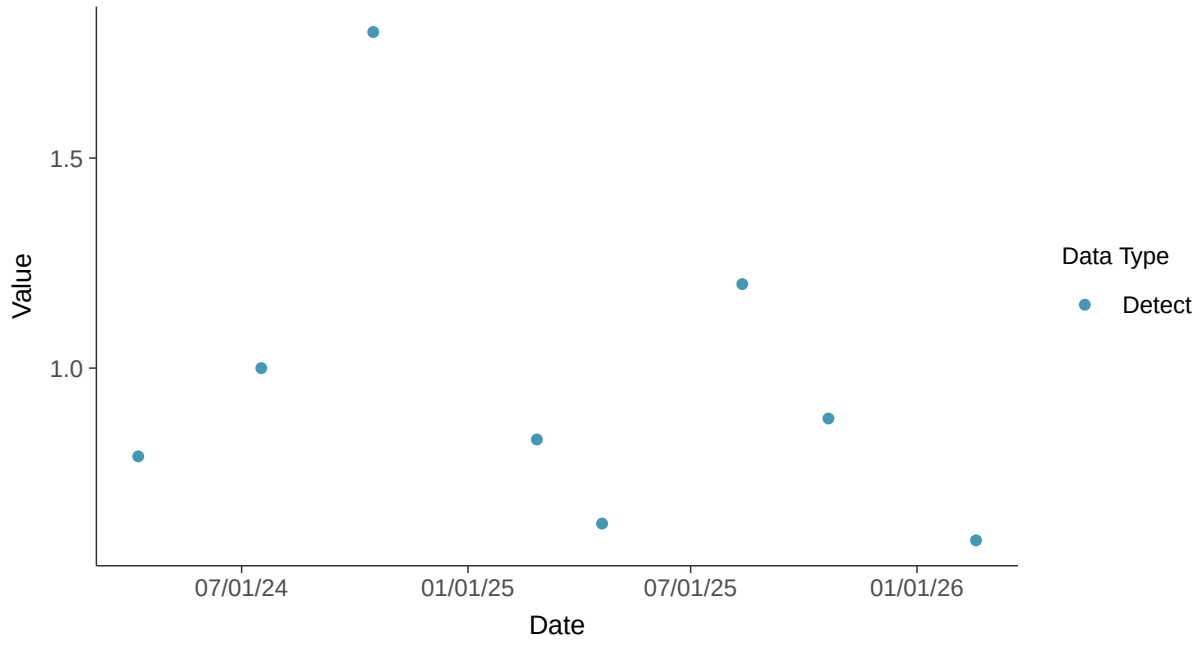


Appendix IV: Fluoride (App IV), MW-38

ID: 48_2_4_113

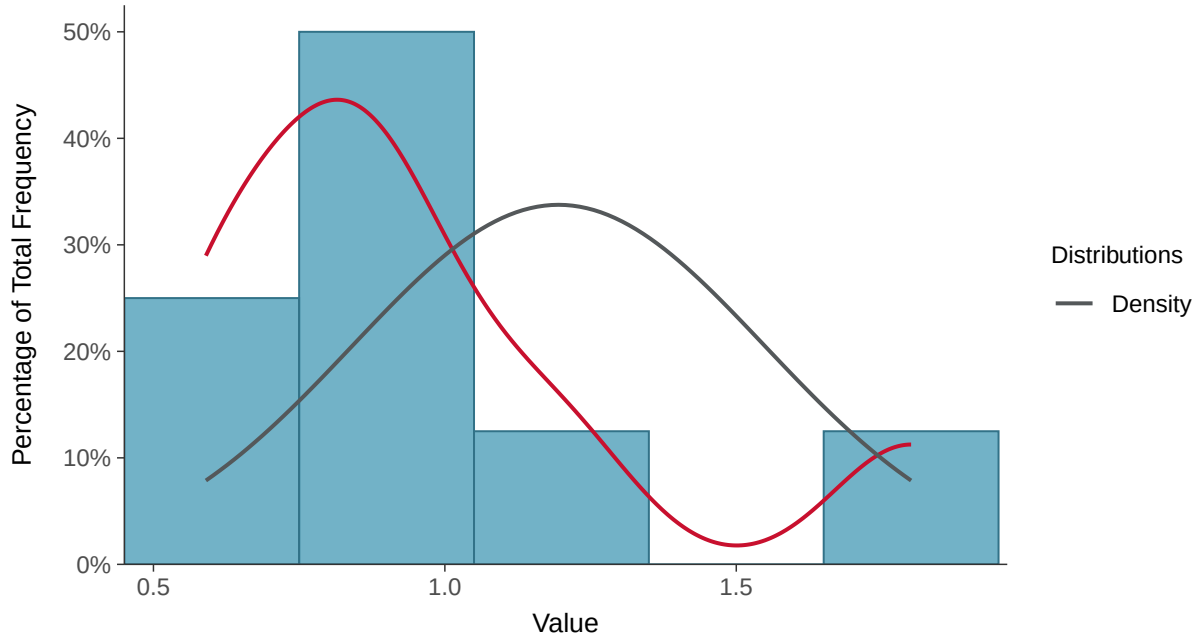
Scatter Plot

Fluoride (App IV), MW-38 (mg/L)



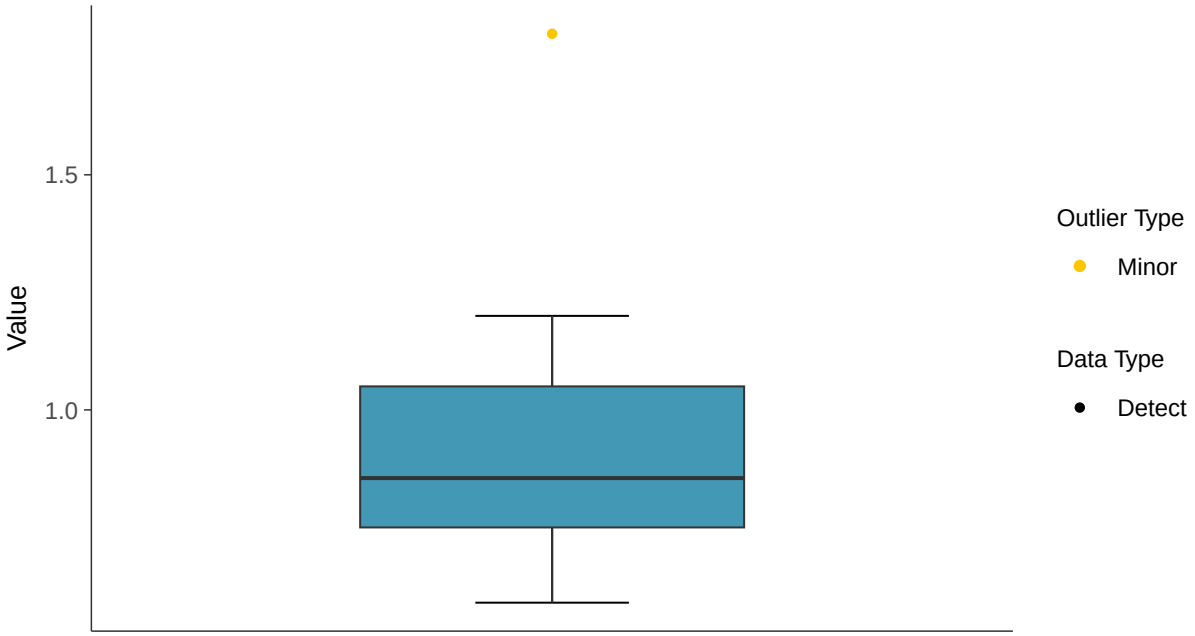
Histogram

Fluoride (App IV), MW-38 (mg/L)



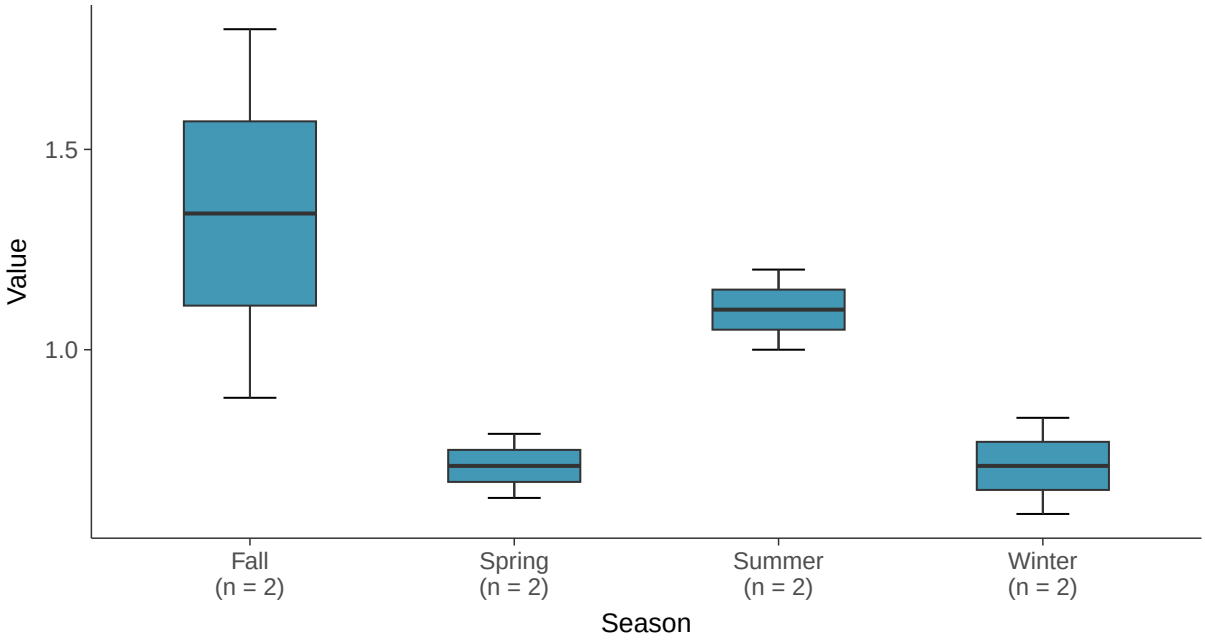
Boxplot

Fluoride (App IV), MW-38 (mg/L)



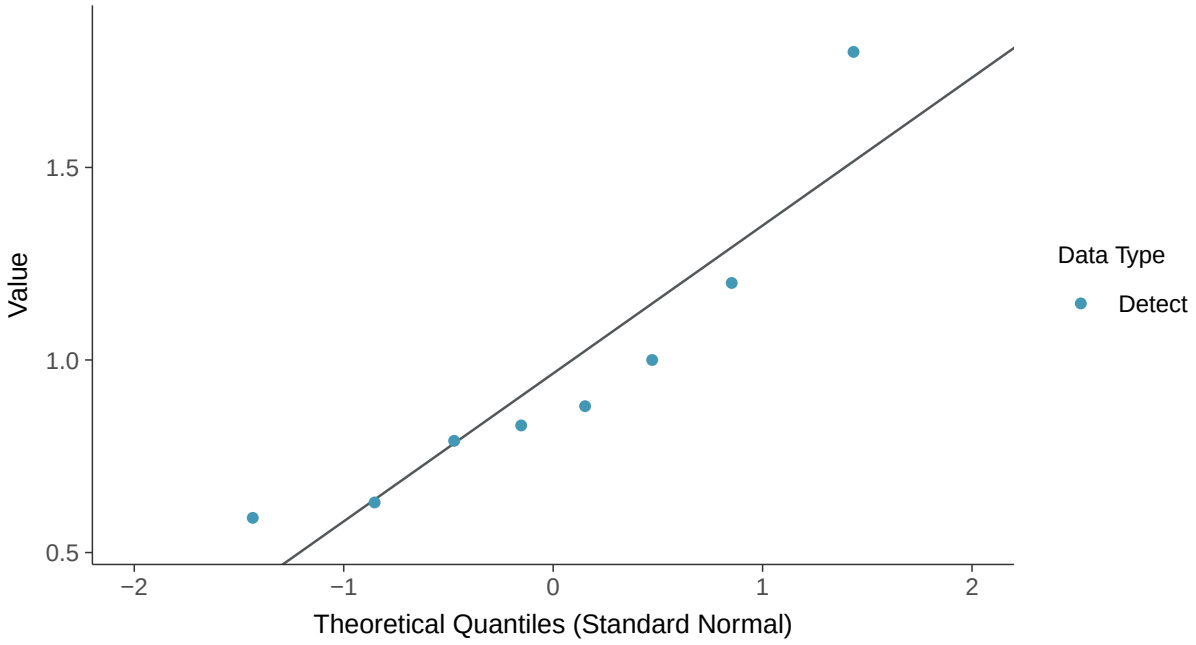
Boxplot by Season

Fluoride (App IV), MW-38 (mg/L)



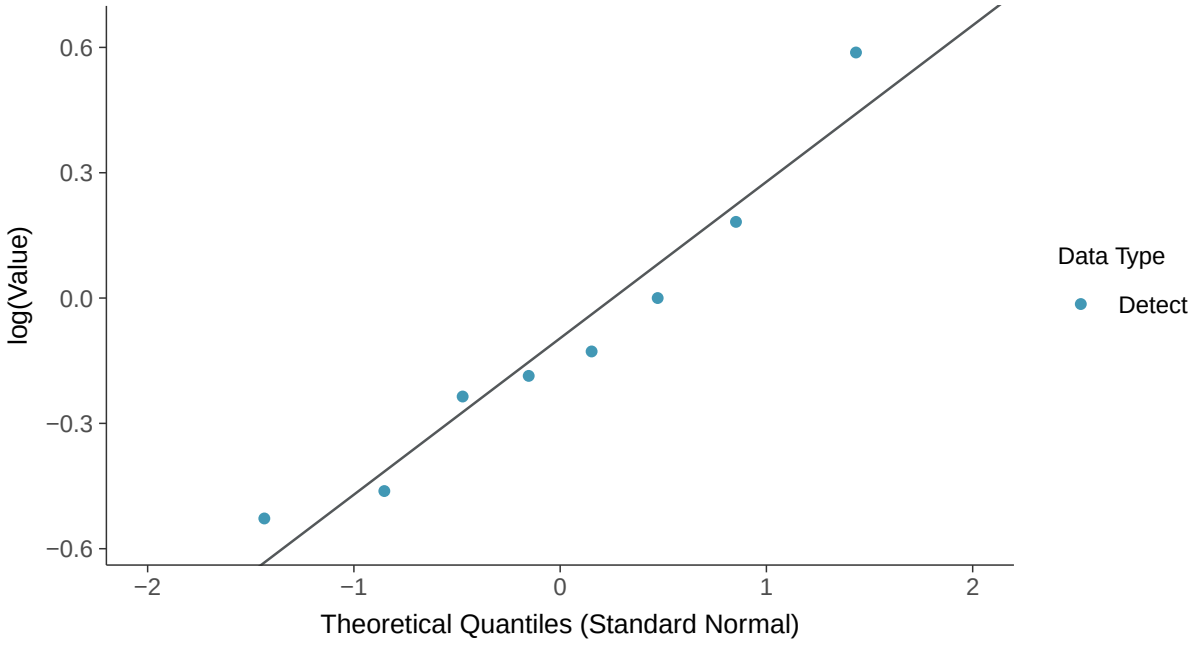
Normal Q-Q plot

Fluoride (App IV), MW-38 (mg/L)



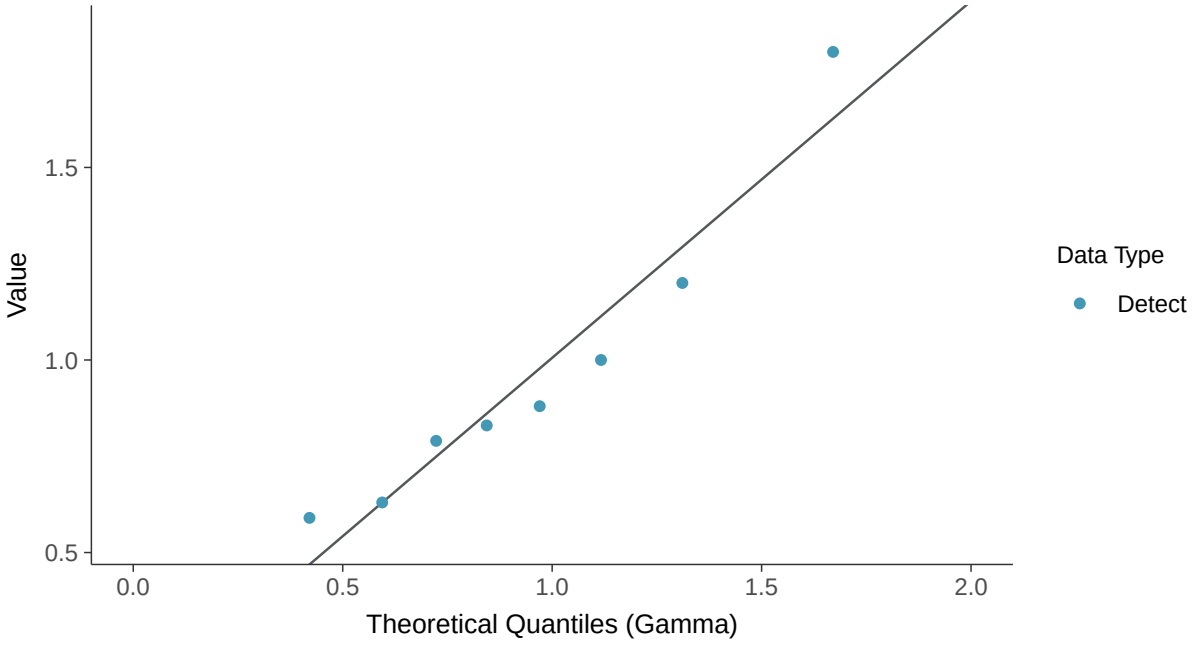
Lognormal Q-Q plot

Fluoride (App IV), MW-38 (mg/L)



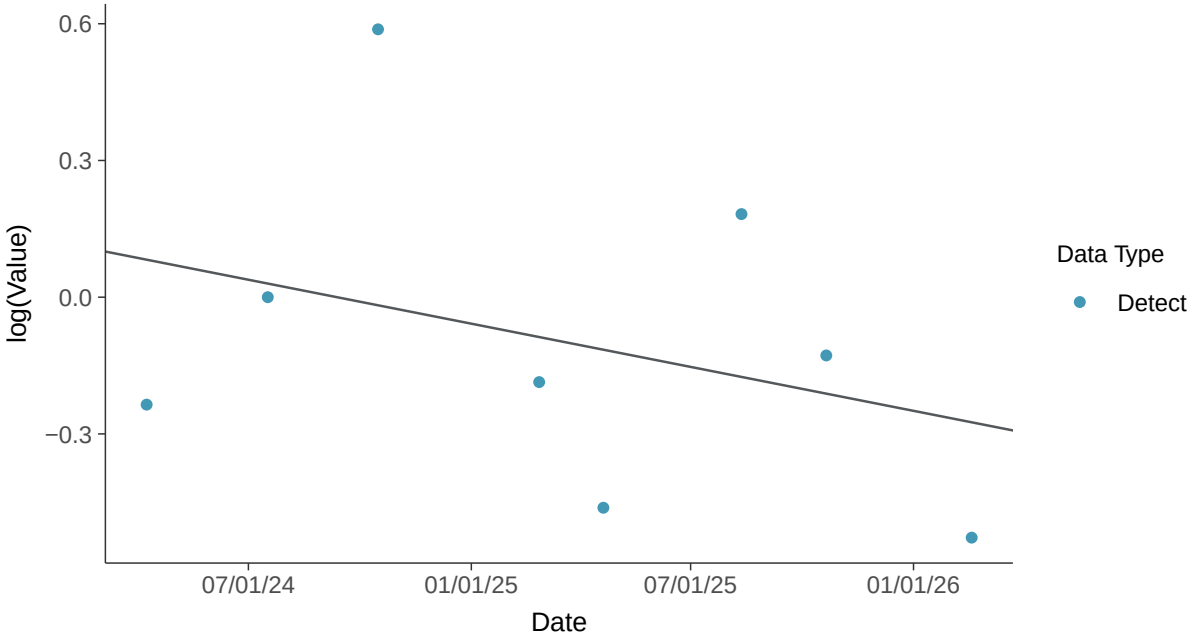
Gamma Q-Q plot

Fluoride (App IV), MW-38 (mg/L)



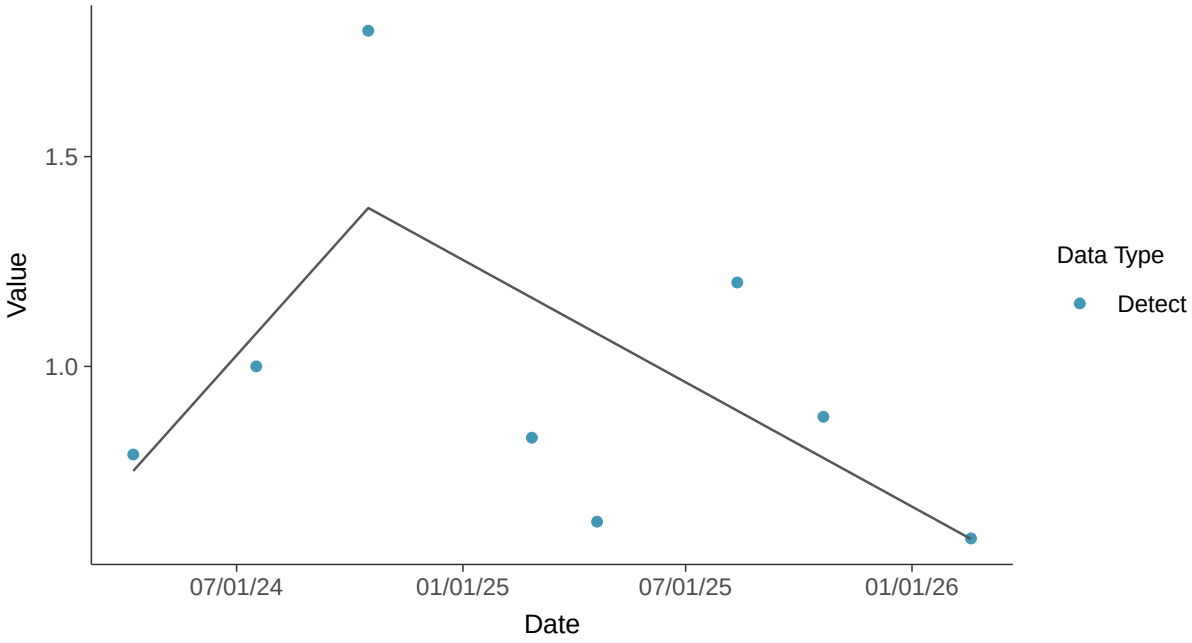
Trend Regression: Lognormal MLE

Fluoride (App IV), MW-38 (mg/L)



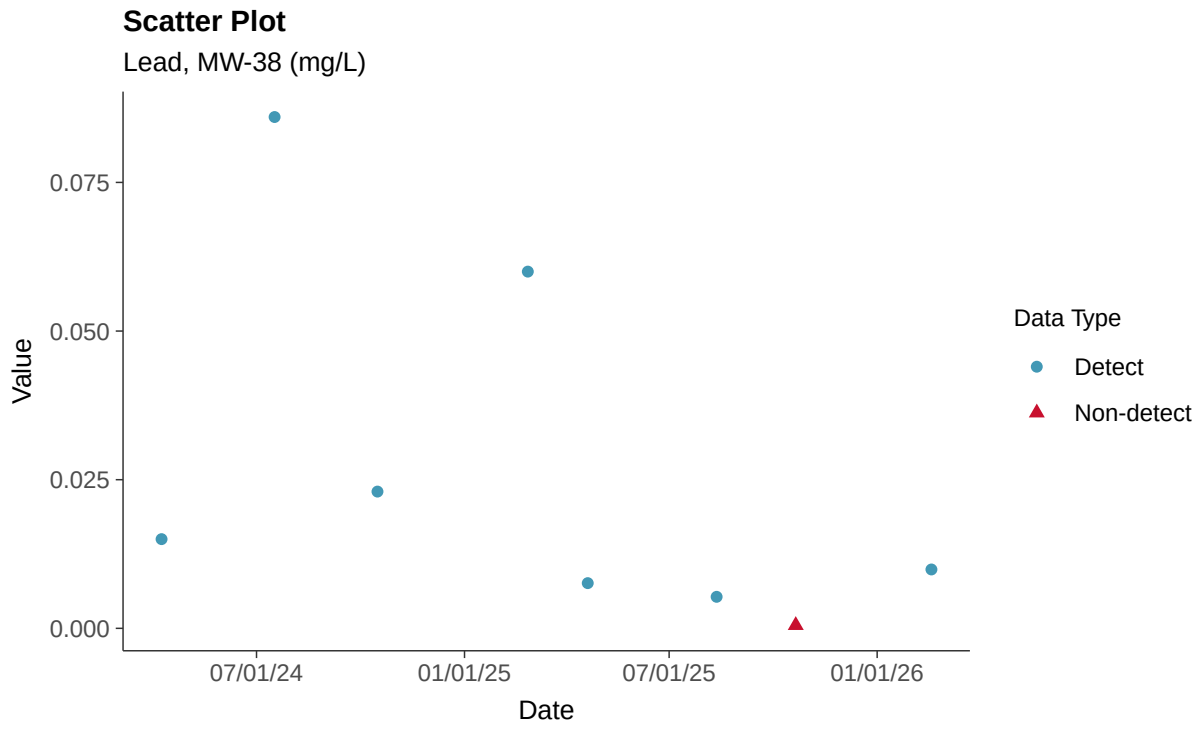
Trend Regression: Piecewise Linear-Linear

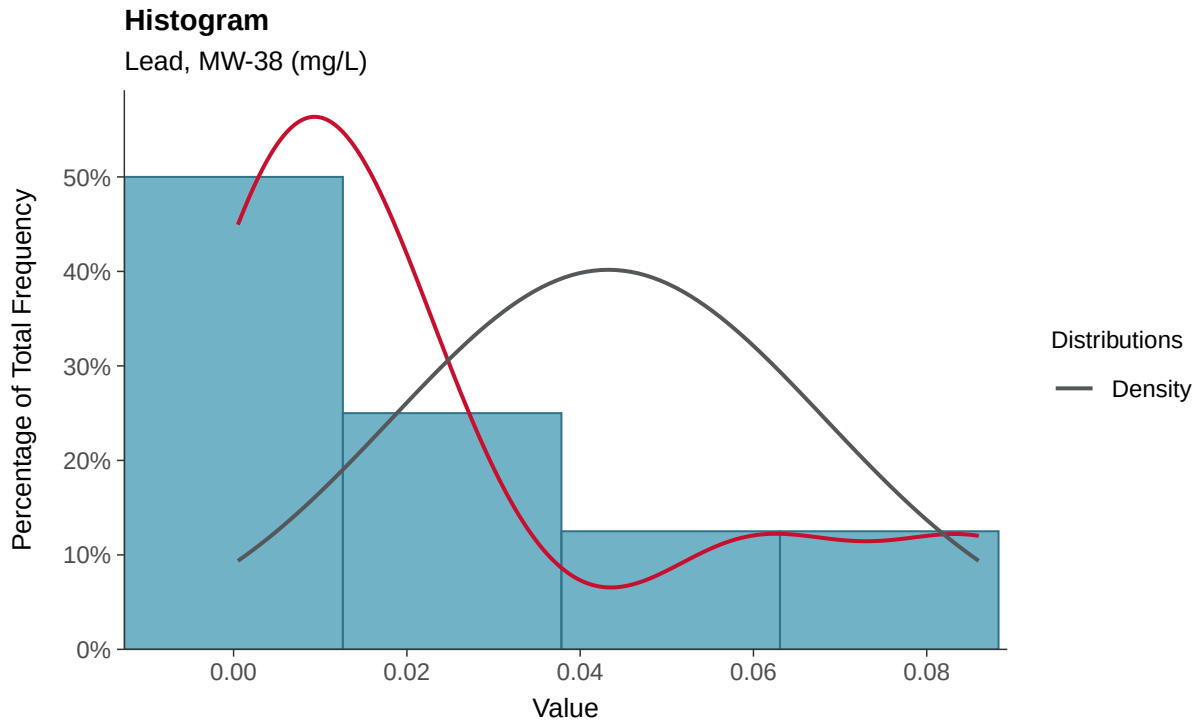
Fluoride (App IV), MW-38 (mg/L)



Appendix IV: Lead, MW-38

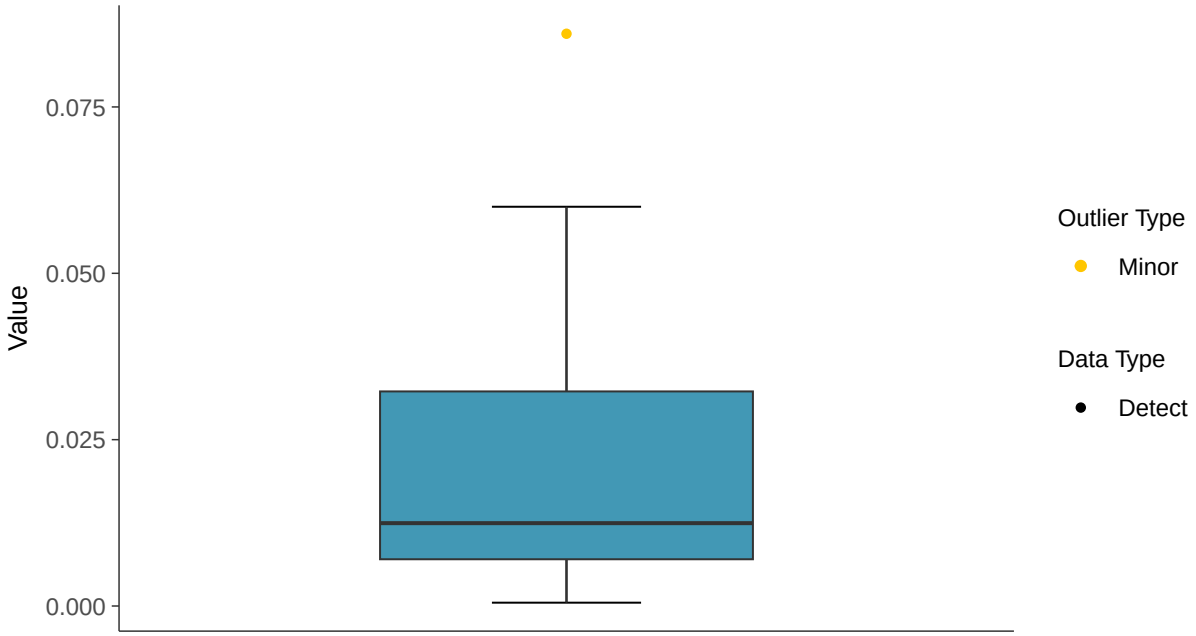
ID: 48_2_4_115





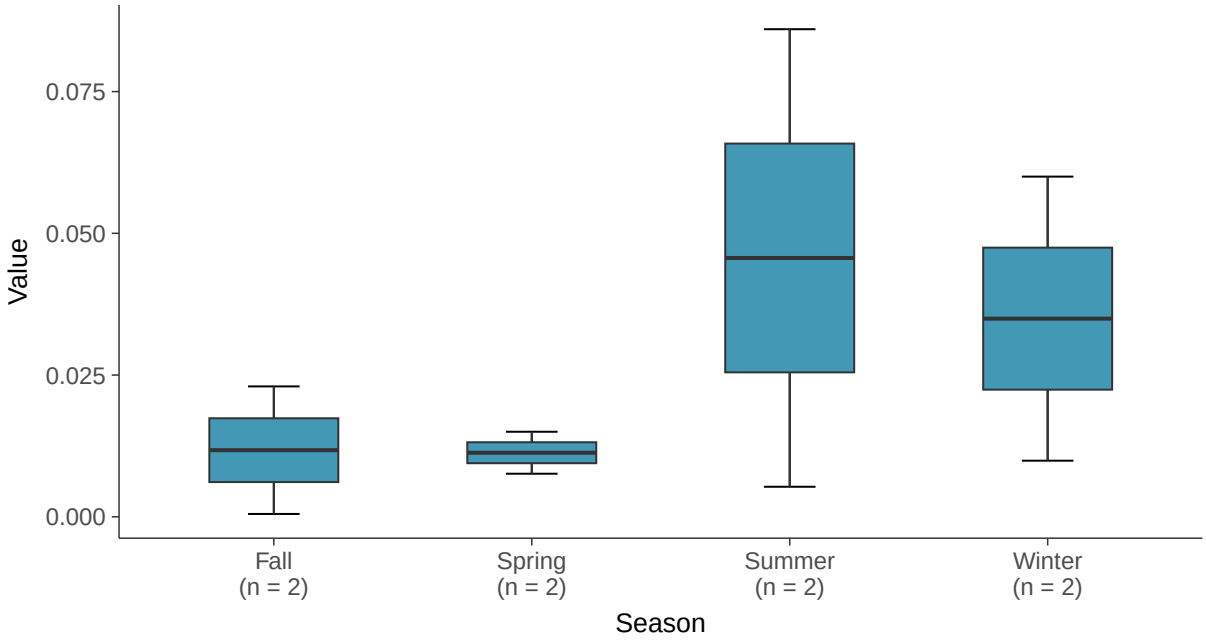
Boxplot

Lead, MW-38 (mg/L)



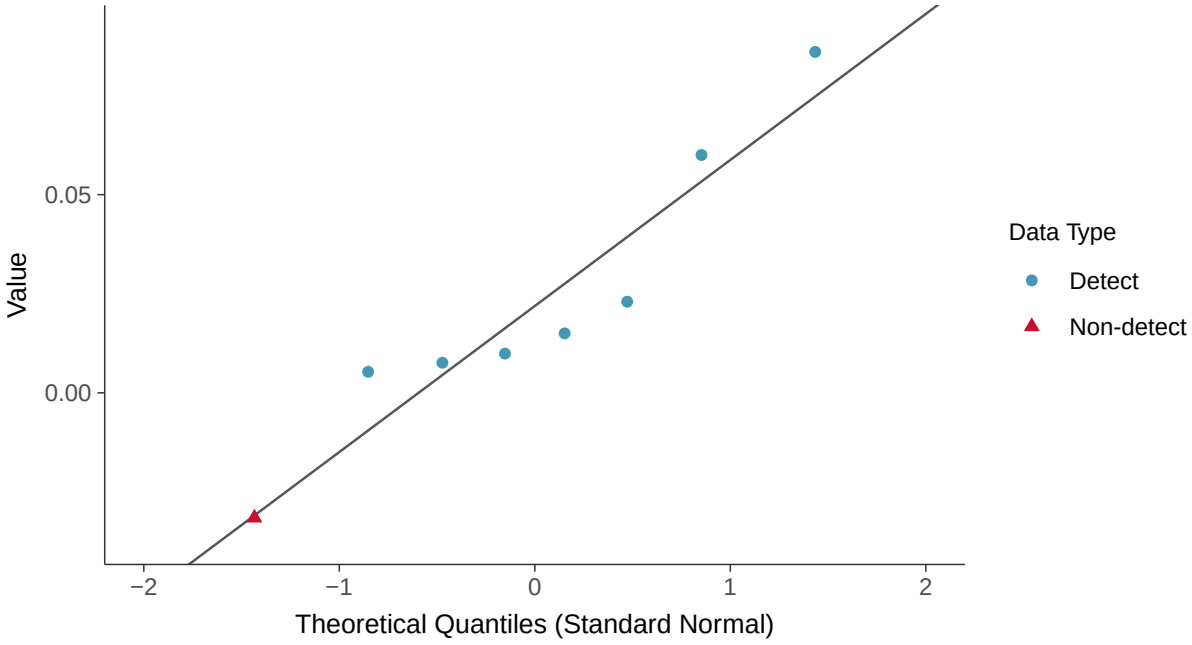
Boxplot by Season

Lead, MW-38 (mg/L)



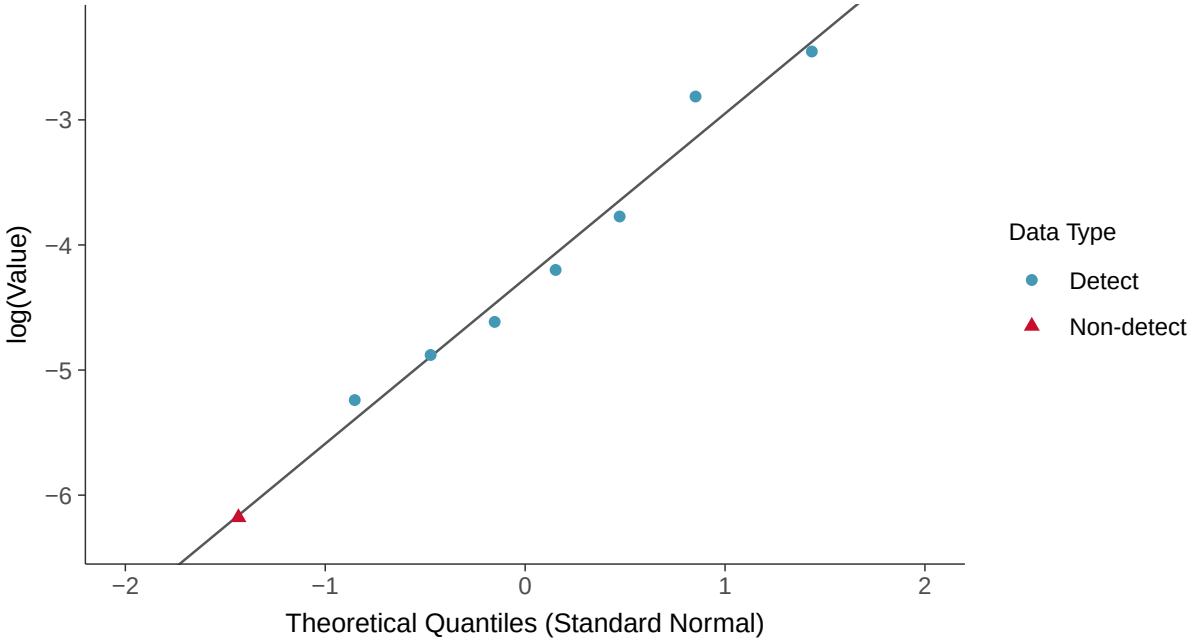
Normal Q-Q plot using ROS Imputed Estimates

Lead, MW-38 (mg/L)



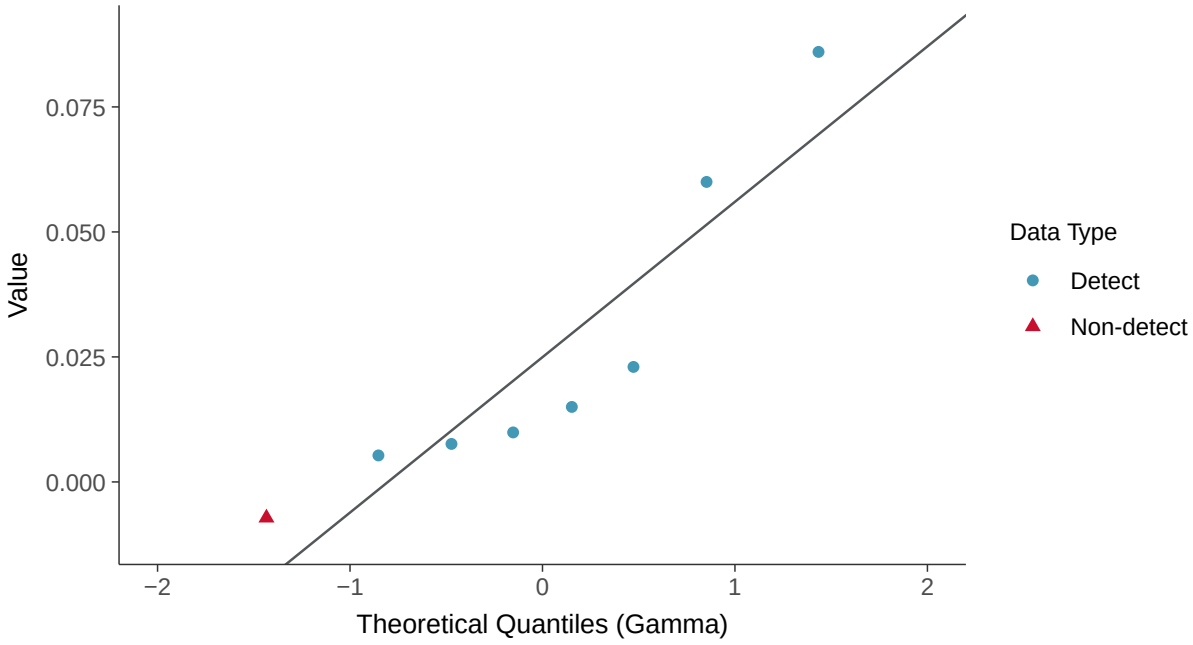
Lognormal Q-Q plot using ROS Imputed Estimates

Lead, MW-38 (mg/L)



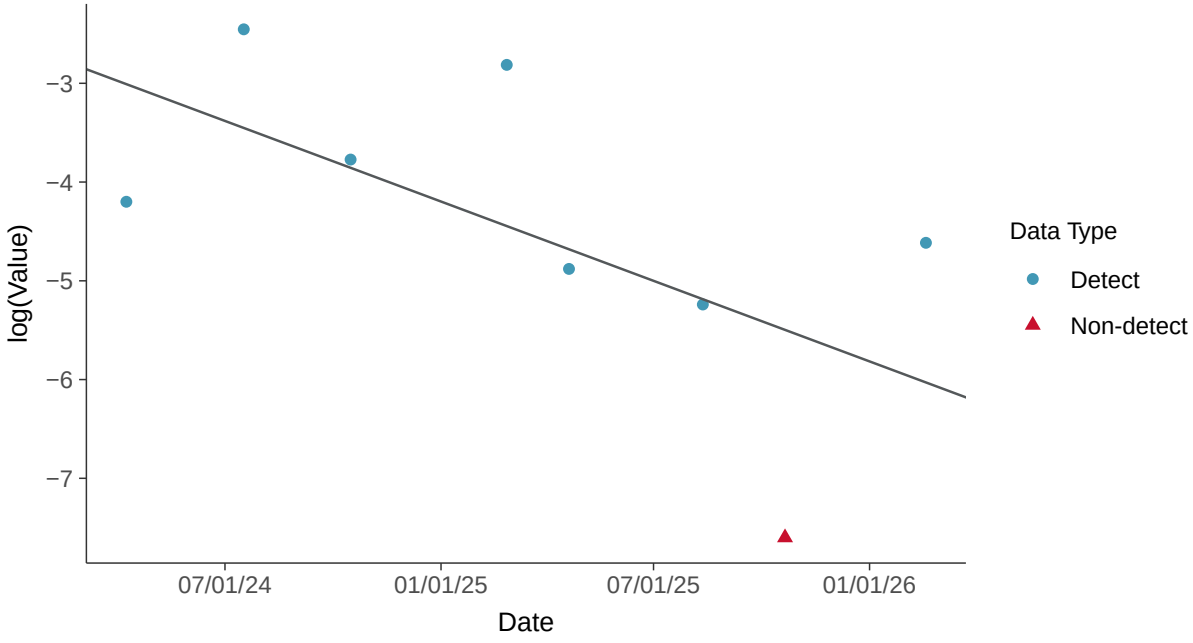
Gamma Q-Q plot using ROS Imputed Estimates

Lead, MW-38 (mg/L)



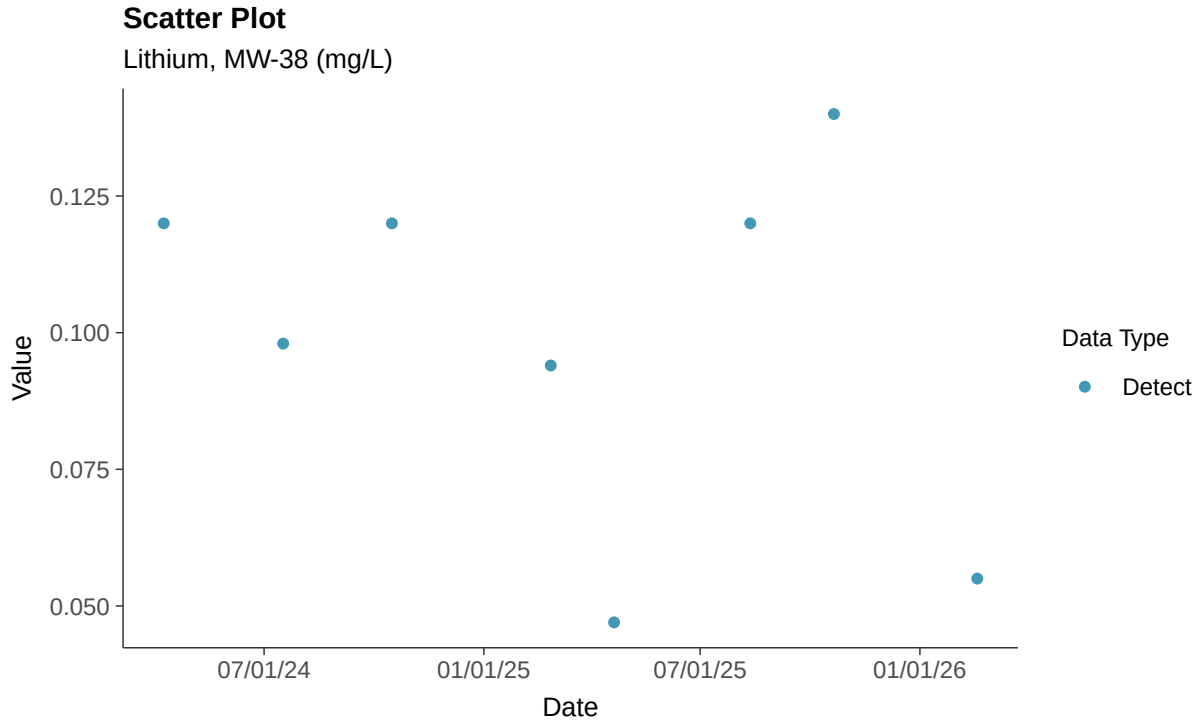
Trend Regression: Lognormal MLE

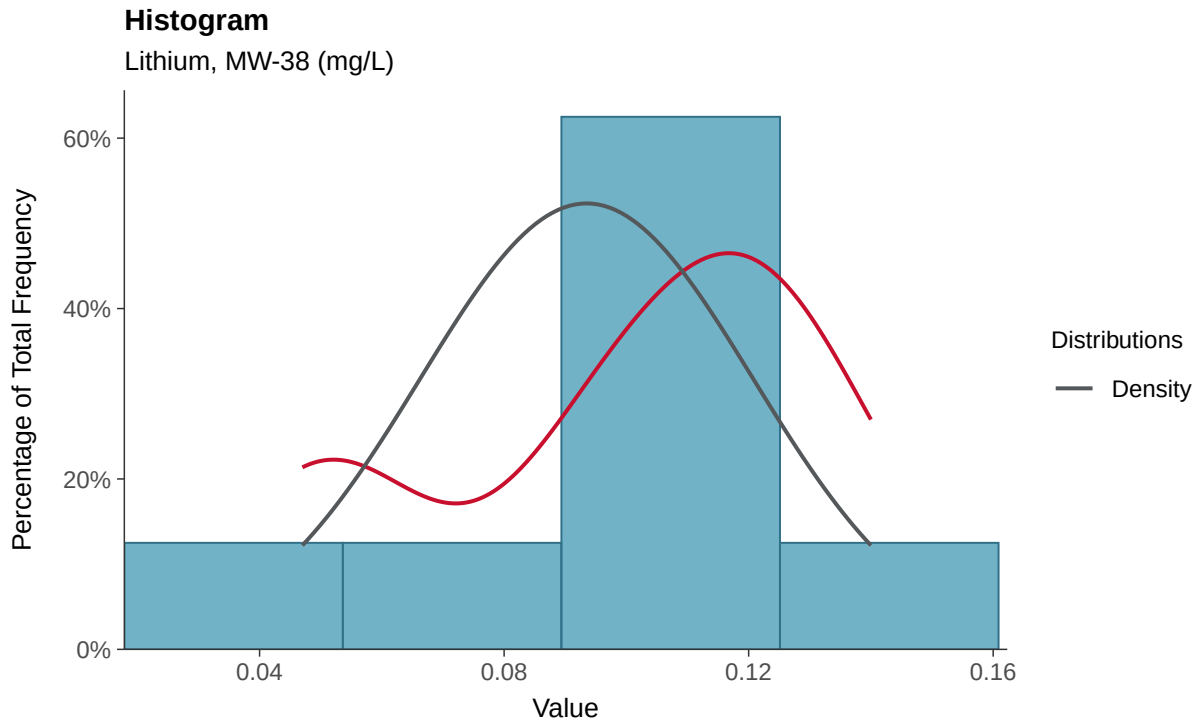
Lead, MW-38 (mg/L)



Appendix IV: Lithium, MW-38

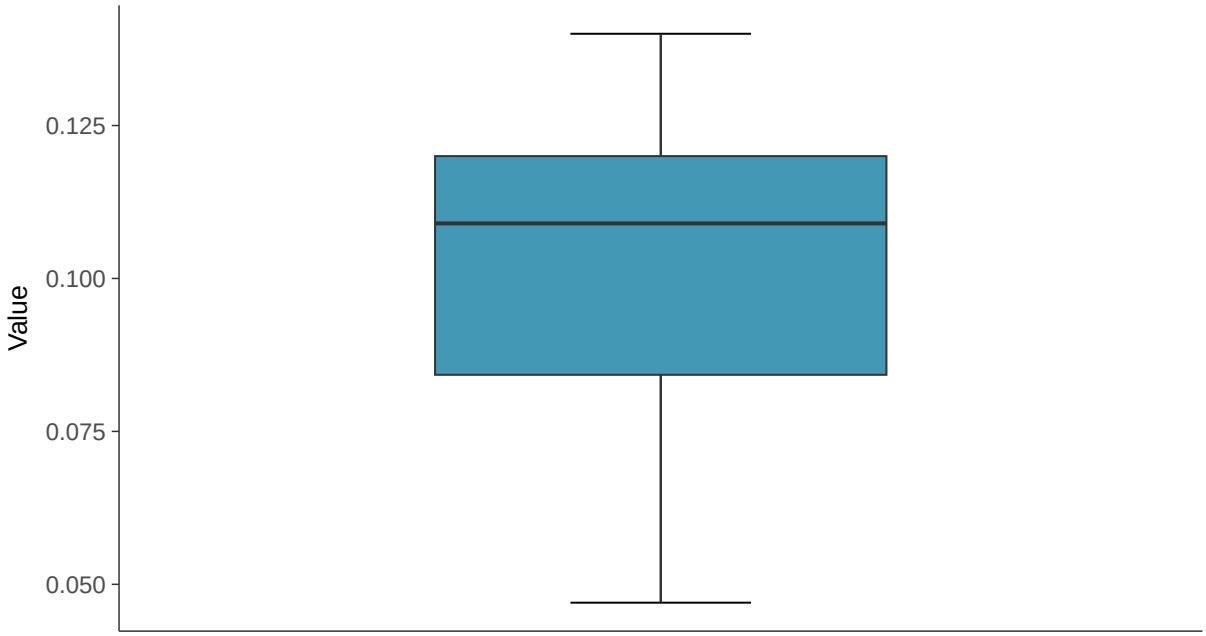
ID: 48_2_4_116





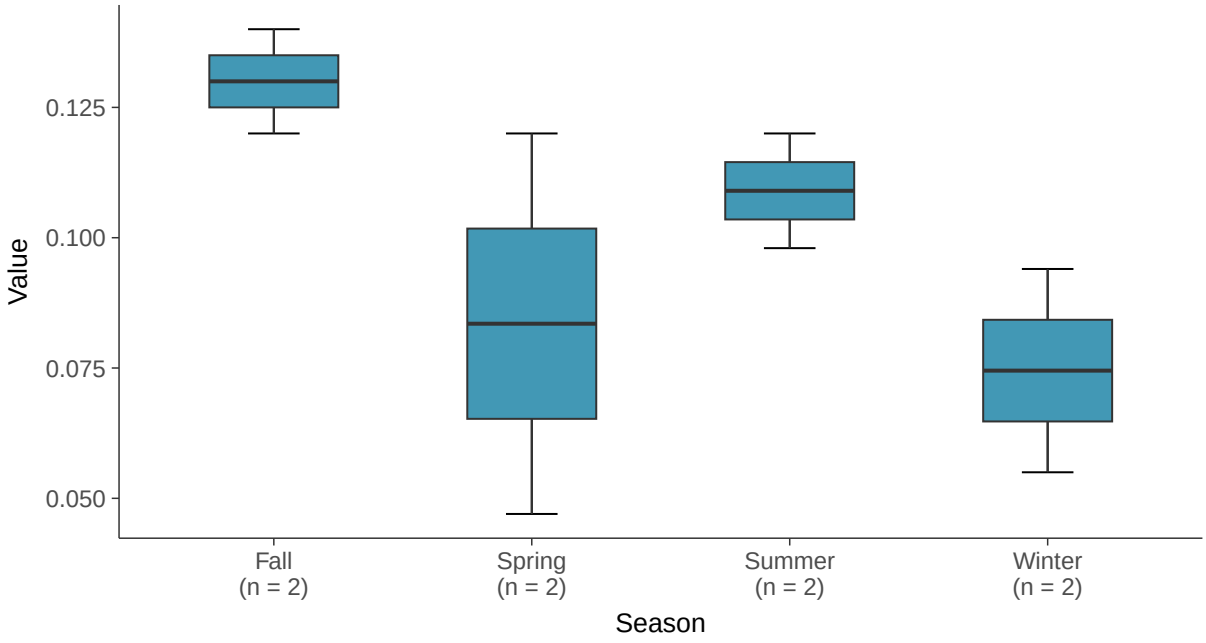
Boxplot

Lithium, MW-38 (mg/L)



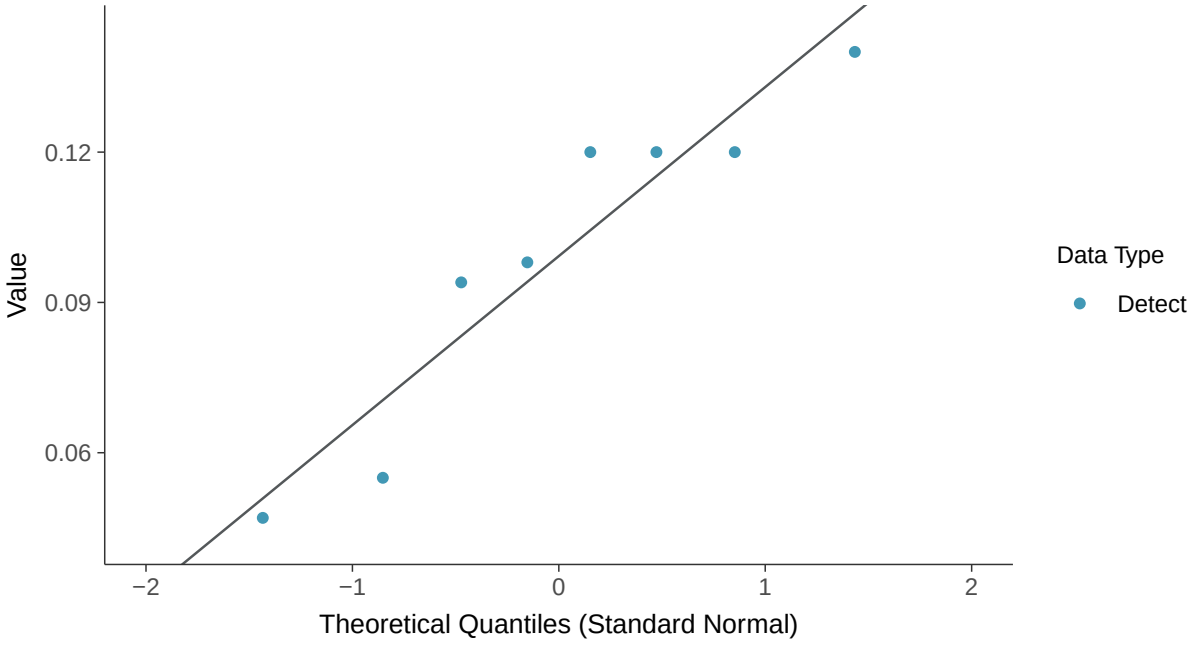
Boxplot by Season

Lithium, MW-38 (mg/L)



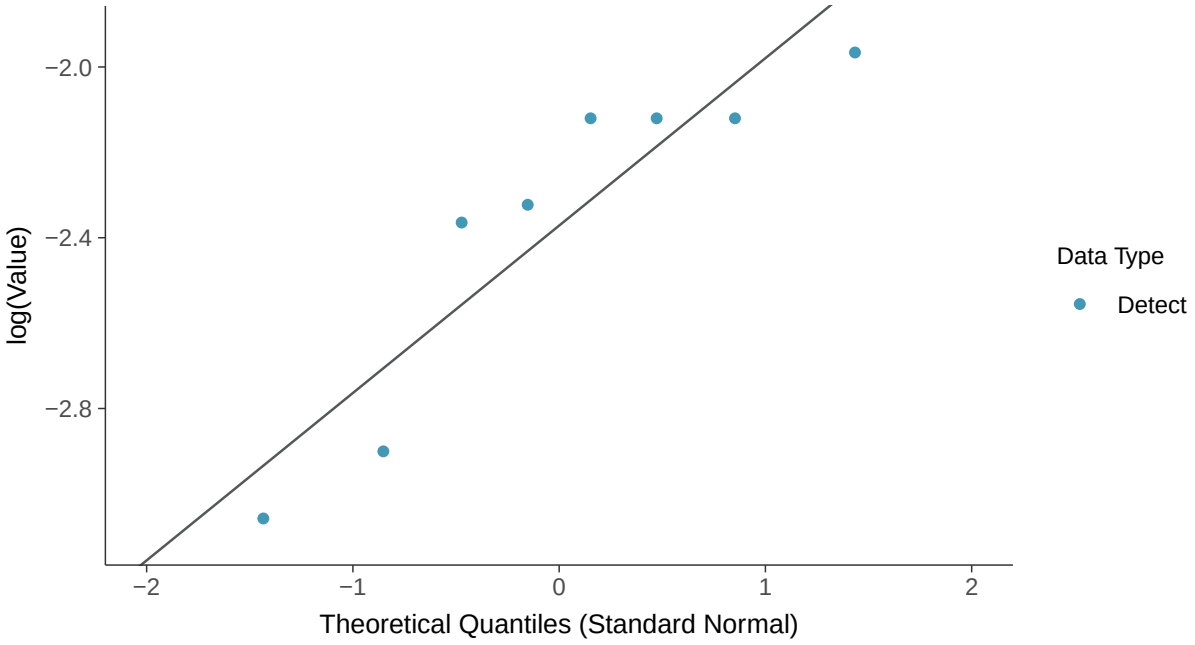
Normal Q-Q plot

Lithium, MW-38 (mg/L)



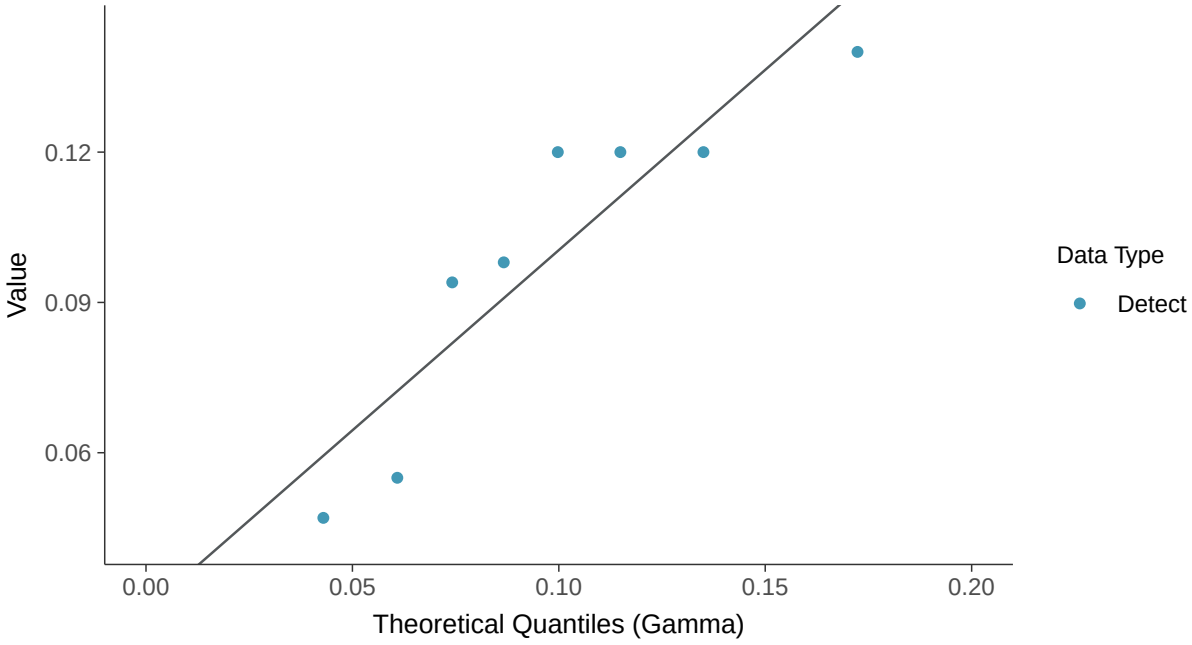
Lognormal Q-Q plot

Lithium, MW-38 (mg/L)



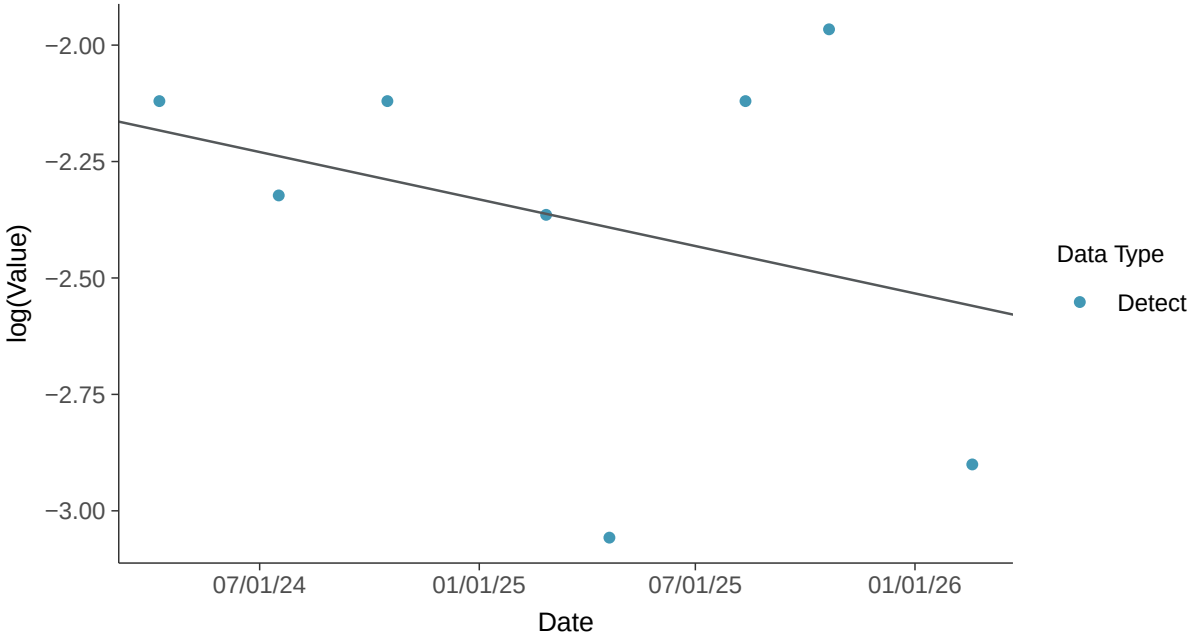
Gamma Q-Q plot

Lithium, MW-38 (mg/L)



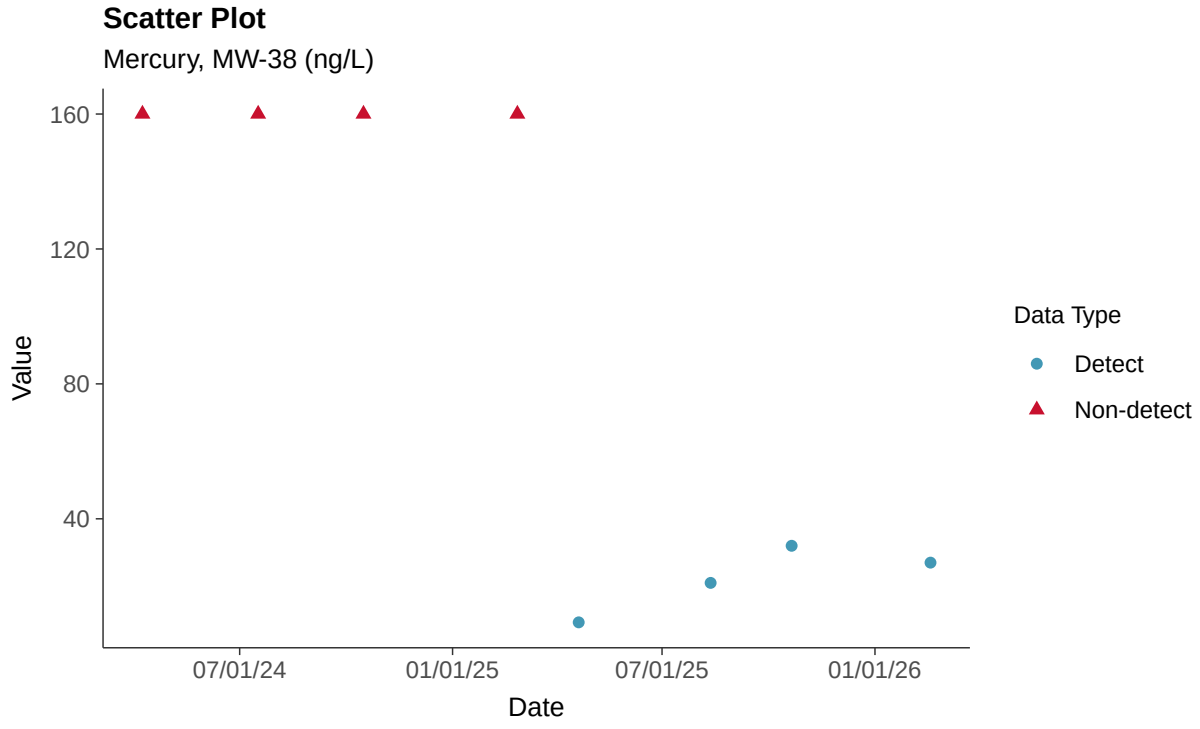
Trend Regression: Lognormal MLE

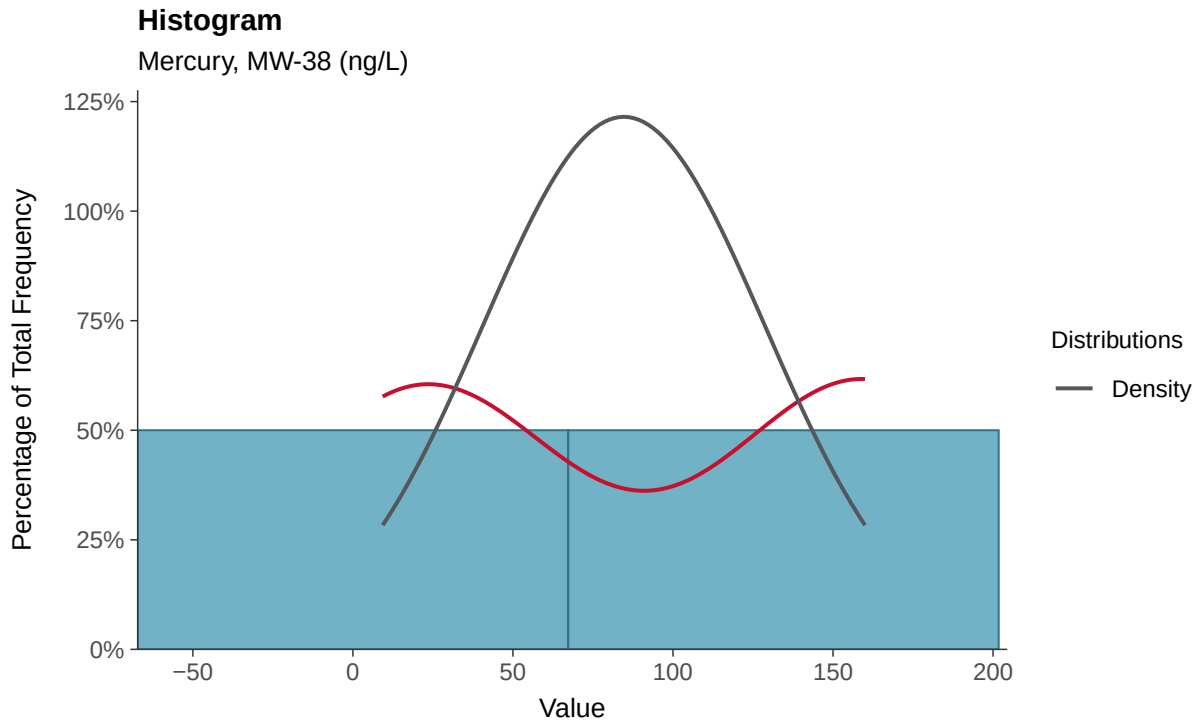
Lithium, MW-38 (mg/L)



Appendix IV: Mercury, MW-38

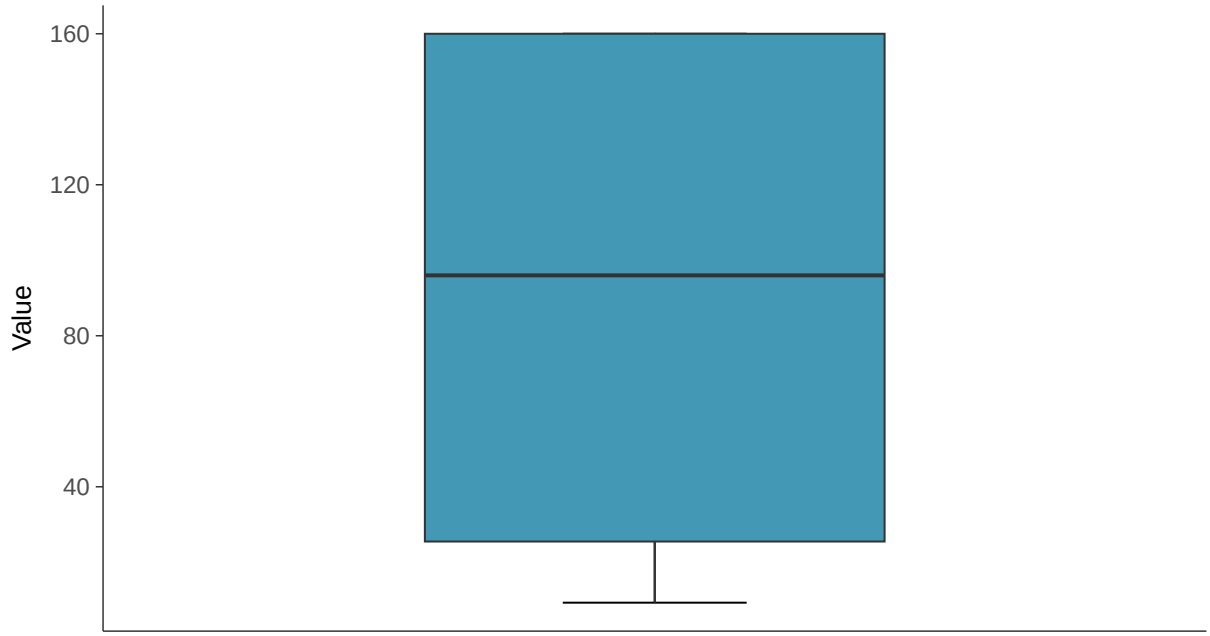
ID: 48_2_4_117





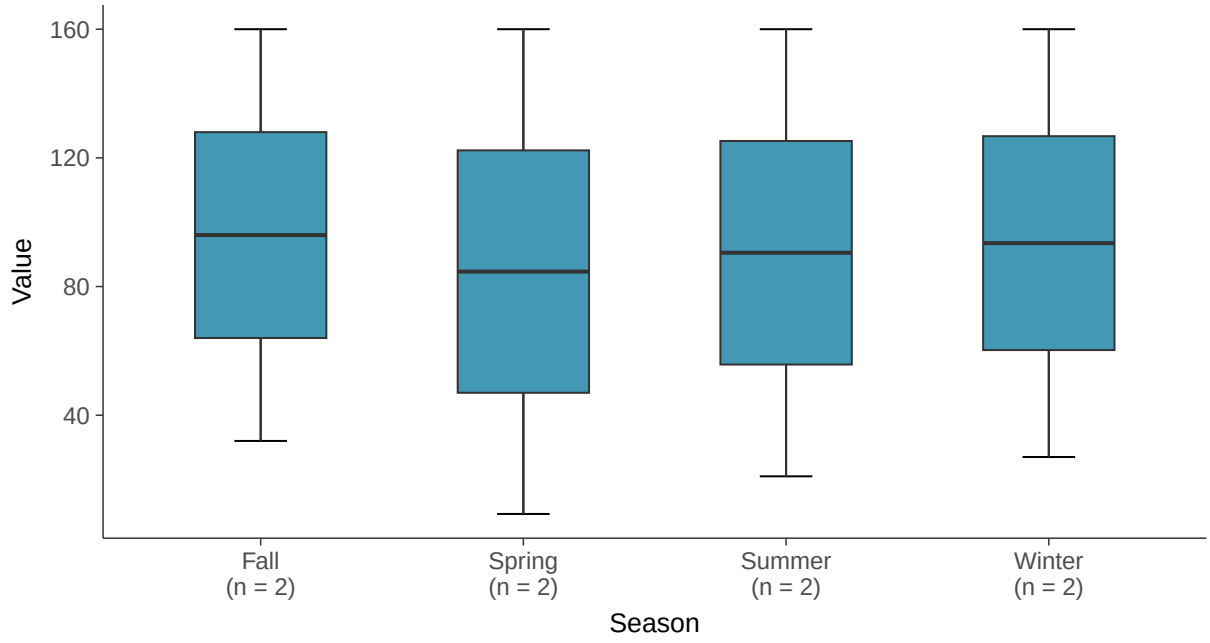
Boxplot

Mercury, MW-38 (ng/L)



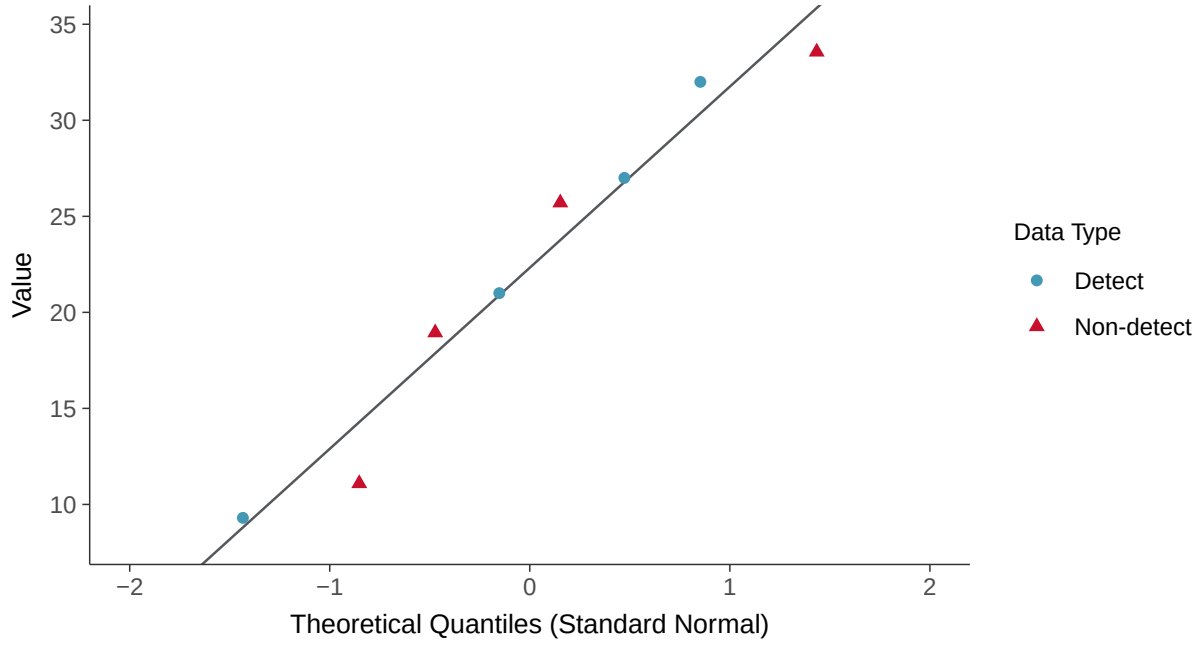
Boxplot by Season

Mercury, MW-38 (ng/L)



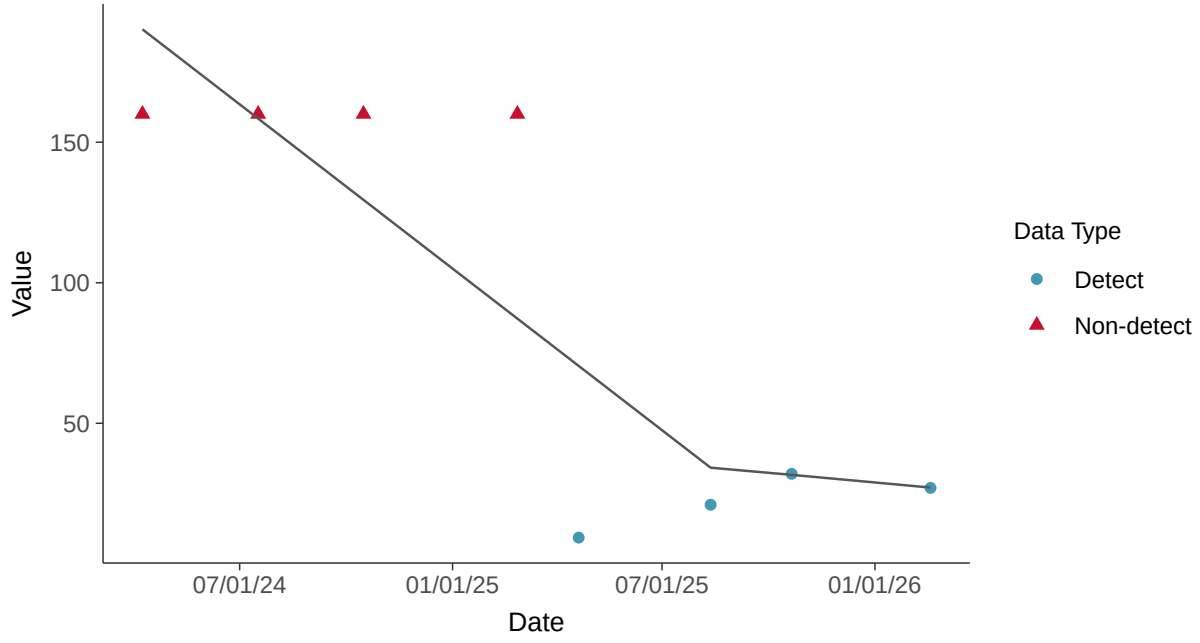
Normal Q-Q plot using ROS Imputed Estimates

Mercury, MW-38 (ng/L)



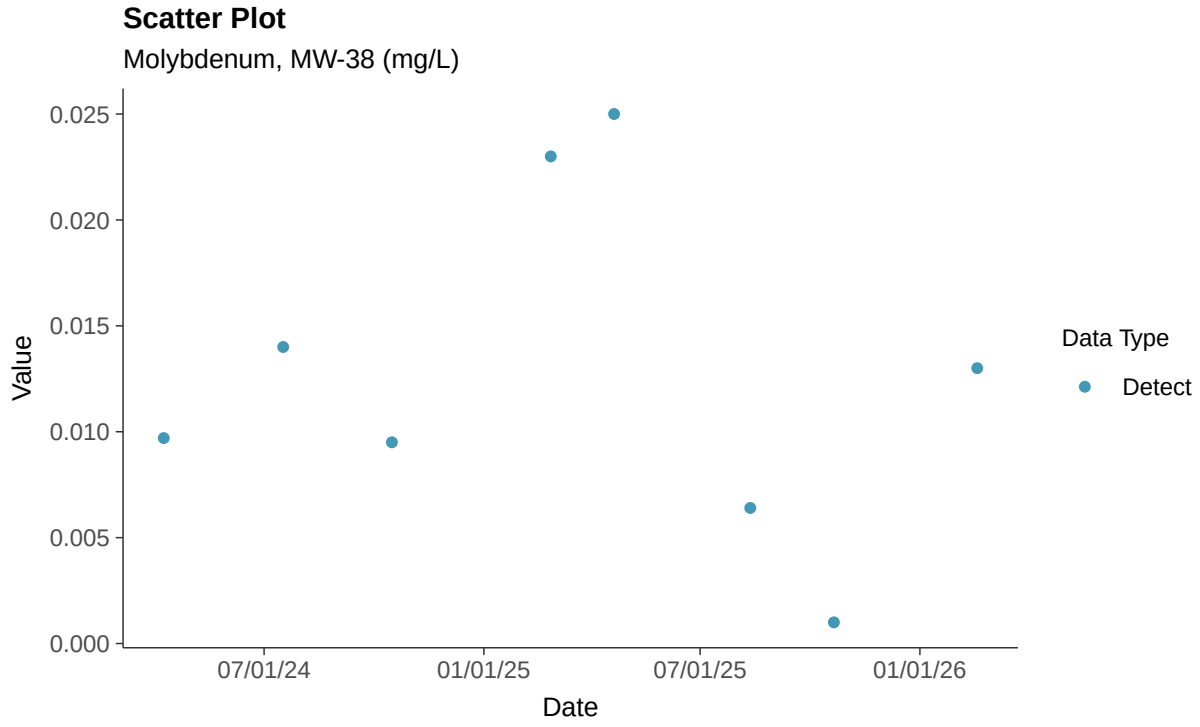
Trend Regression: Piecewise Linear-Linear

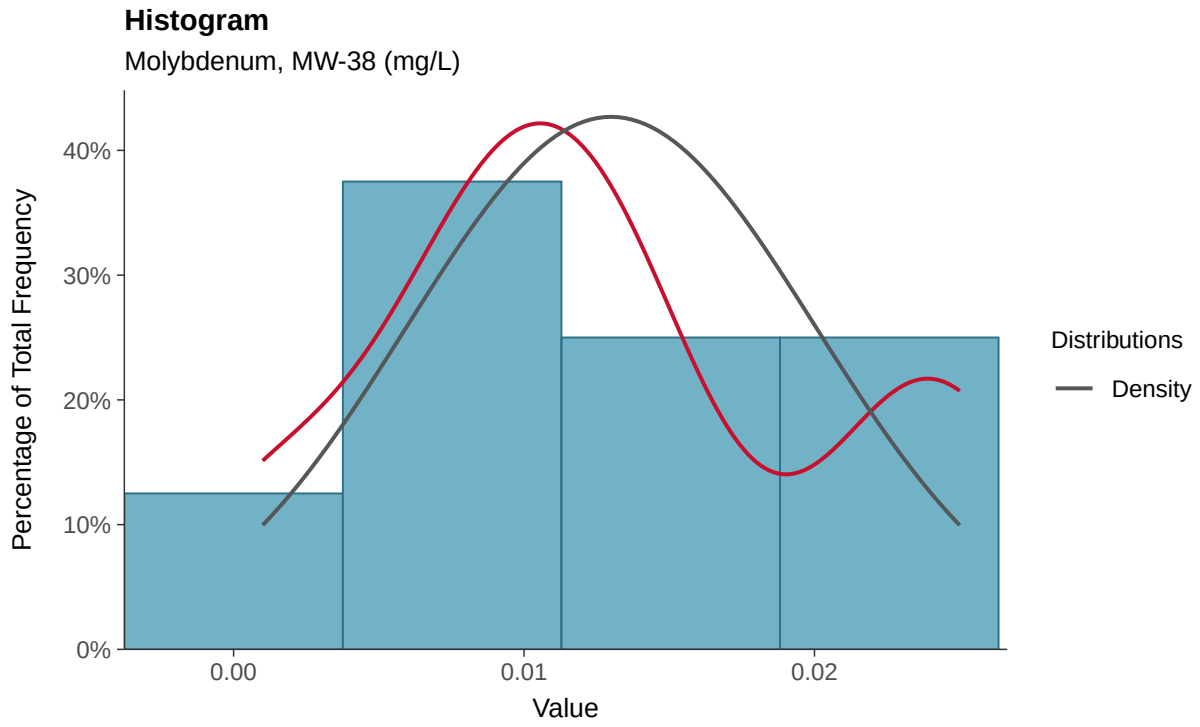
Mercury, MW-38 (ng/L)



Appendix IV: Molybdenum, MW-38

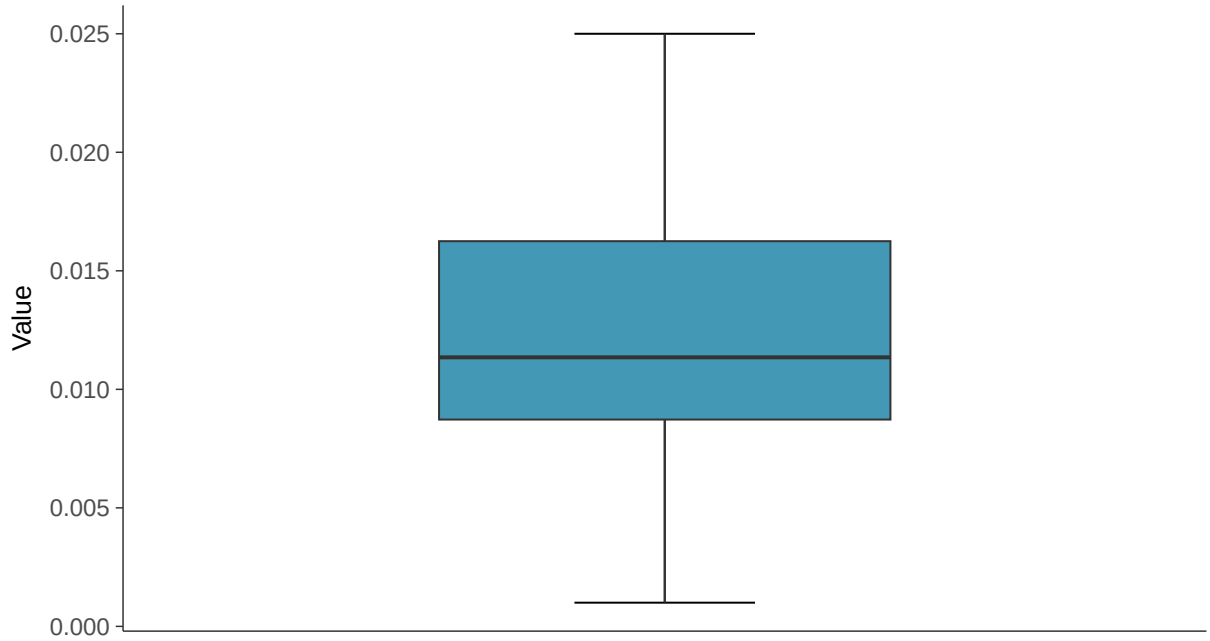
ID: 48_2_4_118





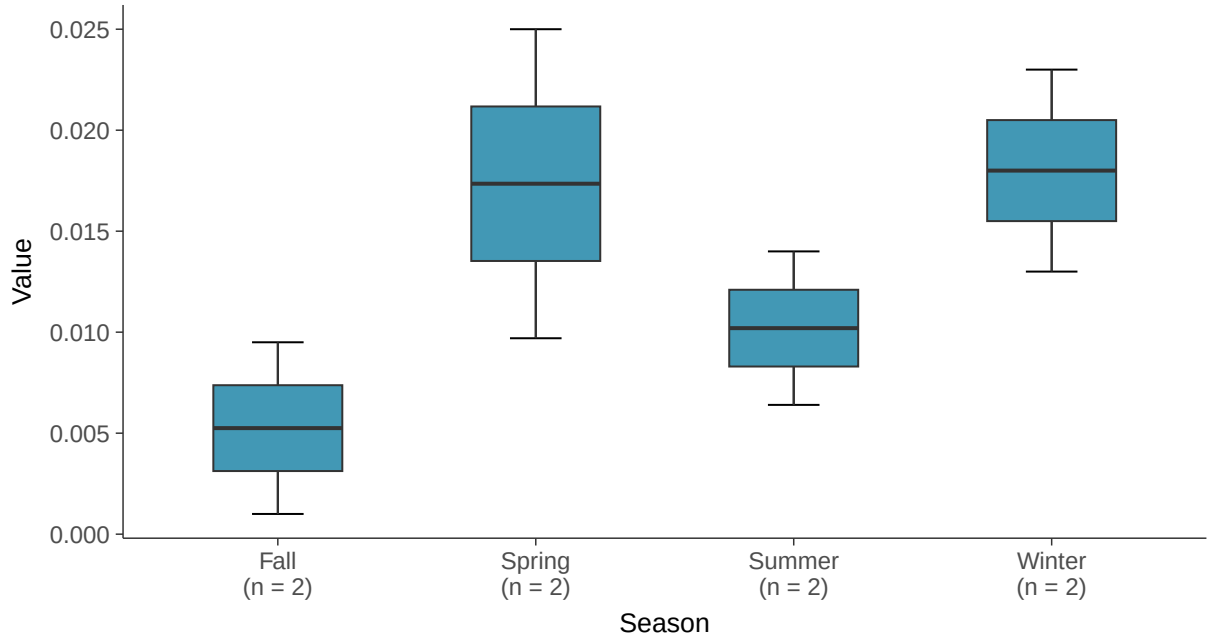
Boxplot

Molybdenum, MW-38 (mg/L)



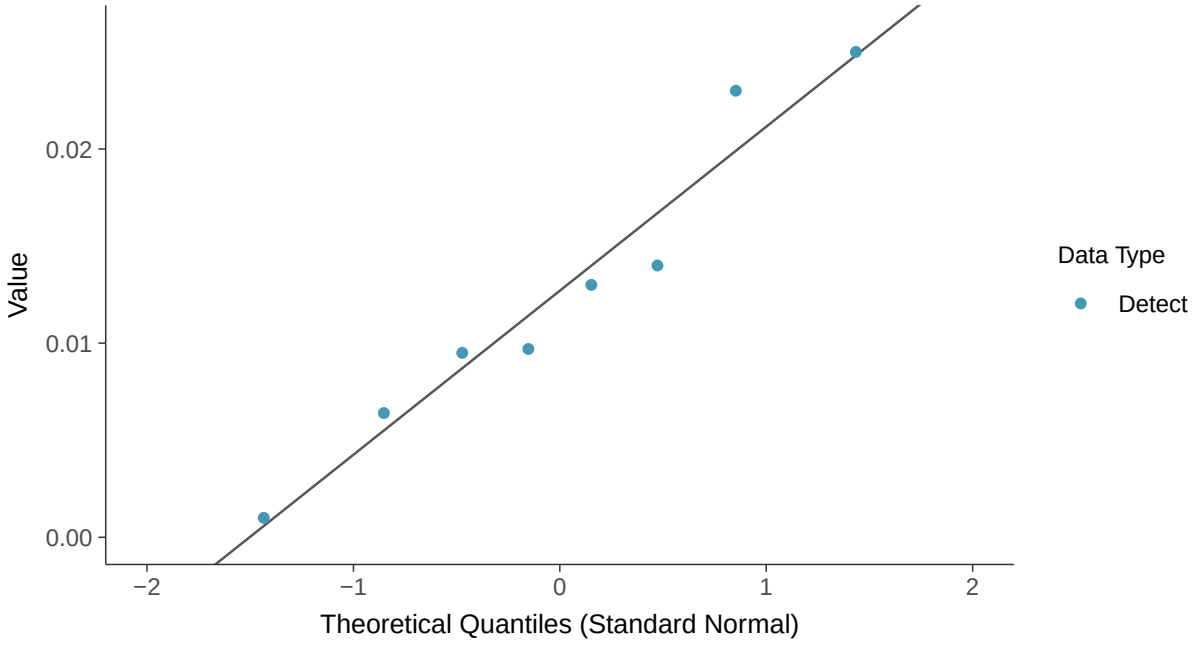
Boxplot by Season

Molybdenum, MW-38 (mg/L)



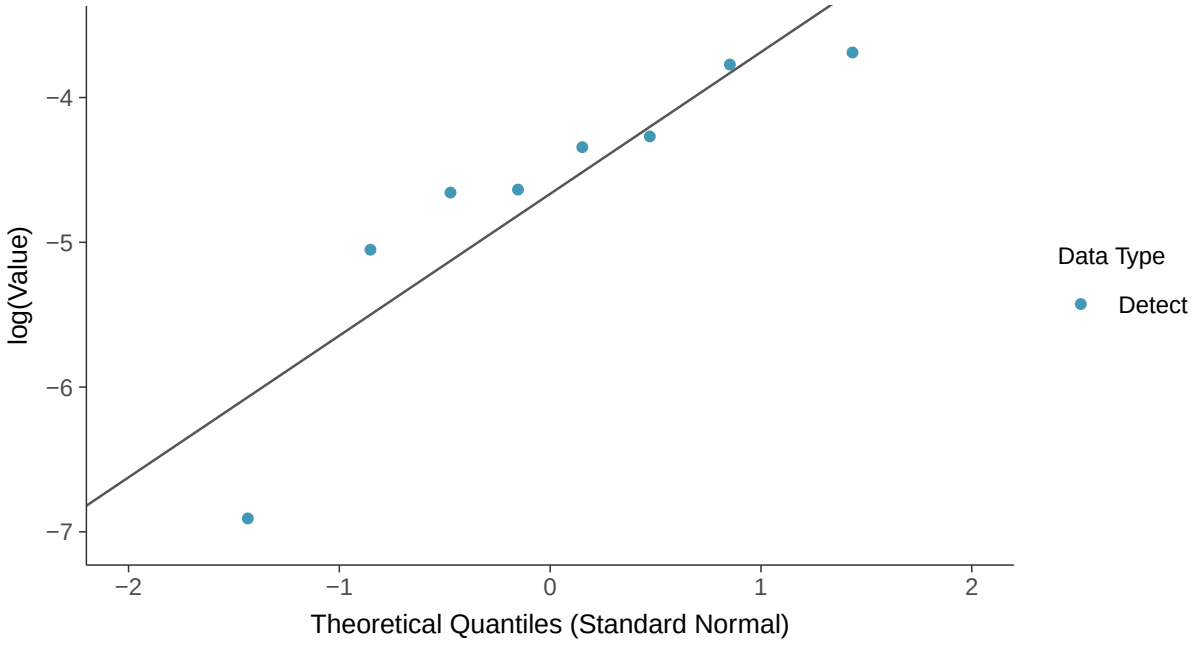
Normal Q-Q plot

Molybdenum, MW-38 (mg/L)



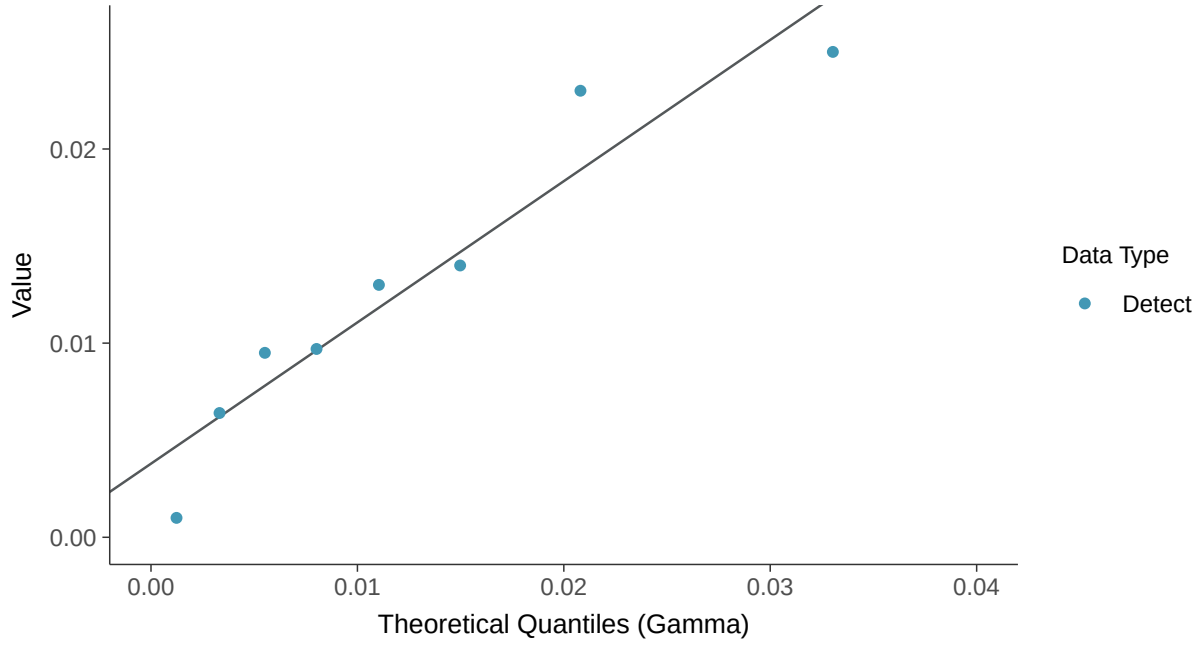
Lognormal Q-Q plot

Molybdenum, MW-38 (mg/L)



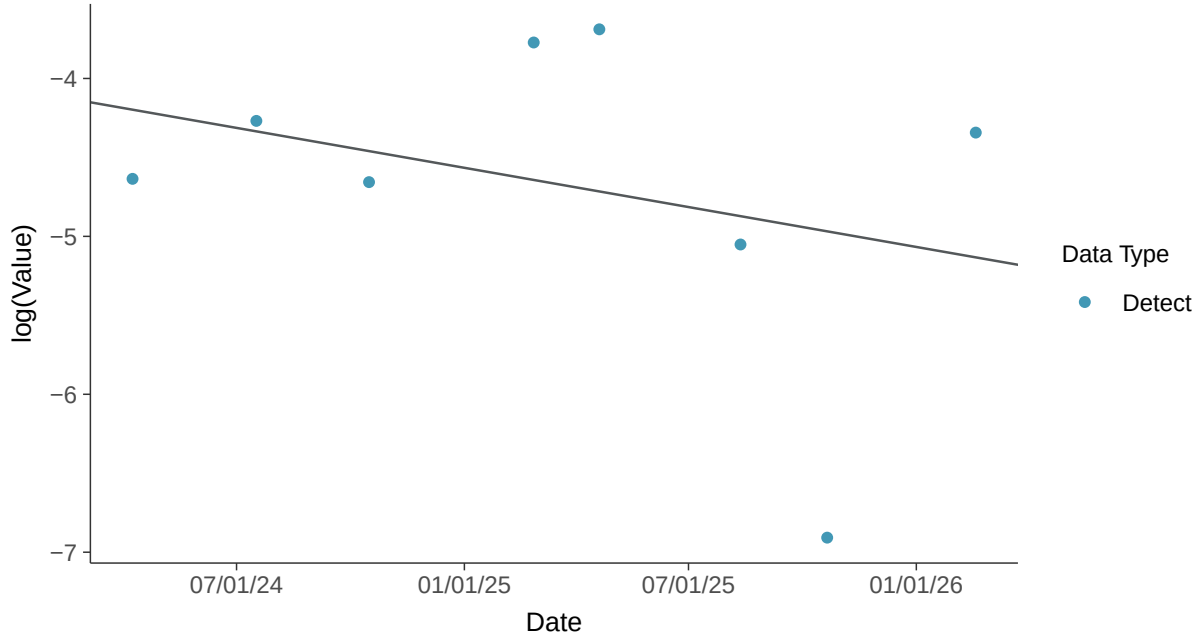
Gamma Q-Q plot

Molybdenum, MW-38 (mg/L)



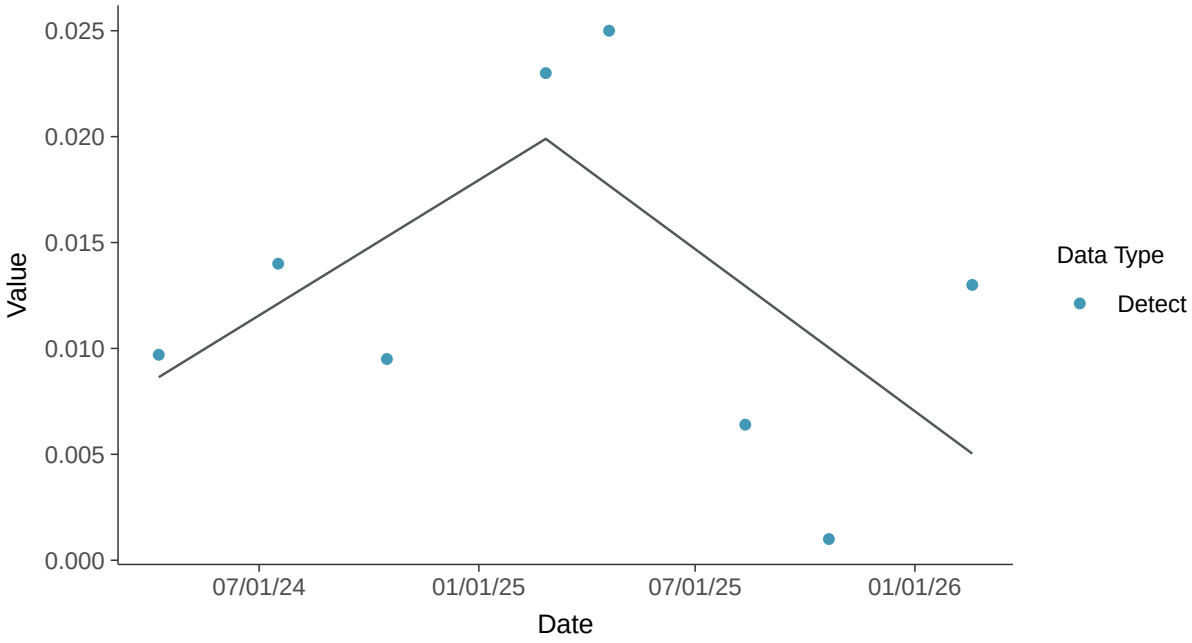
Trend Regression: Lognormal MLE

Molybdenum, MW-38 (mg/L)



Trend Regression: Piecewise Linear-Linear

Molybdenum, MW-38 (mg/L)

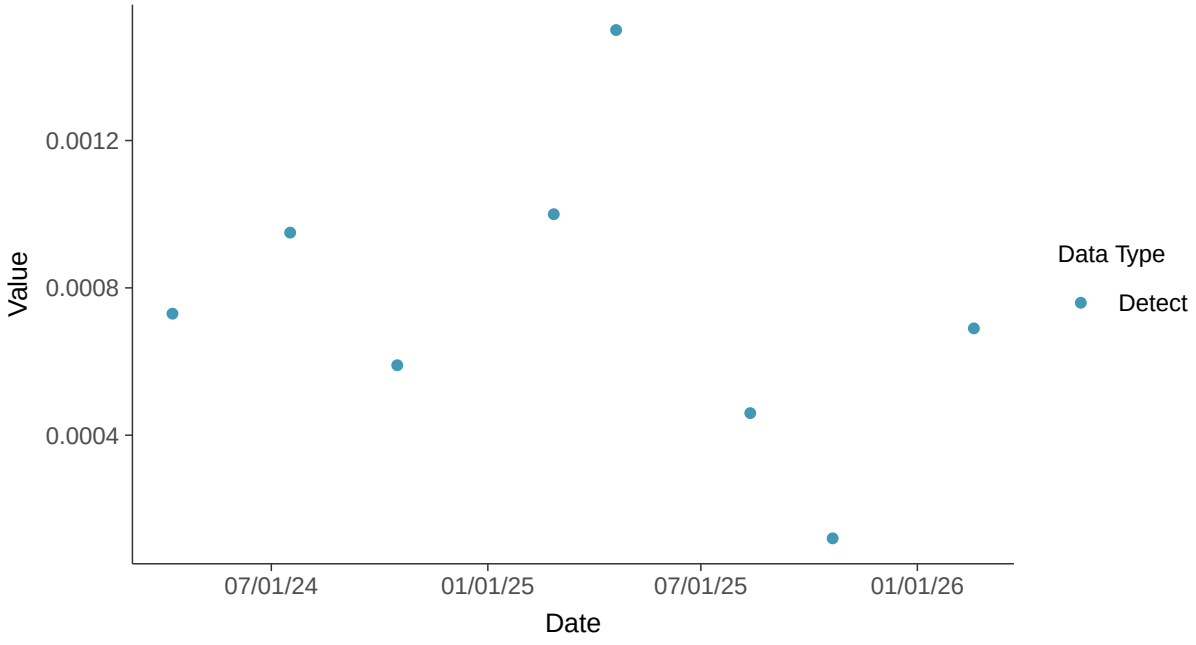


Appendix IV: Selenium, MW-38

ID: 48_2_4_122

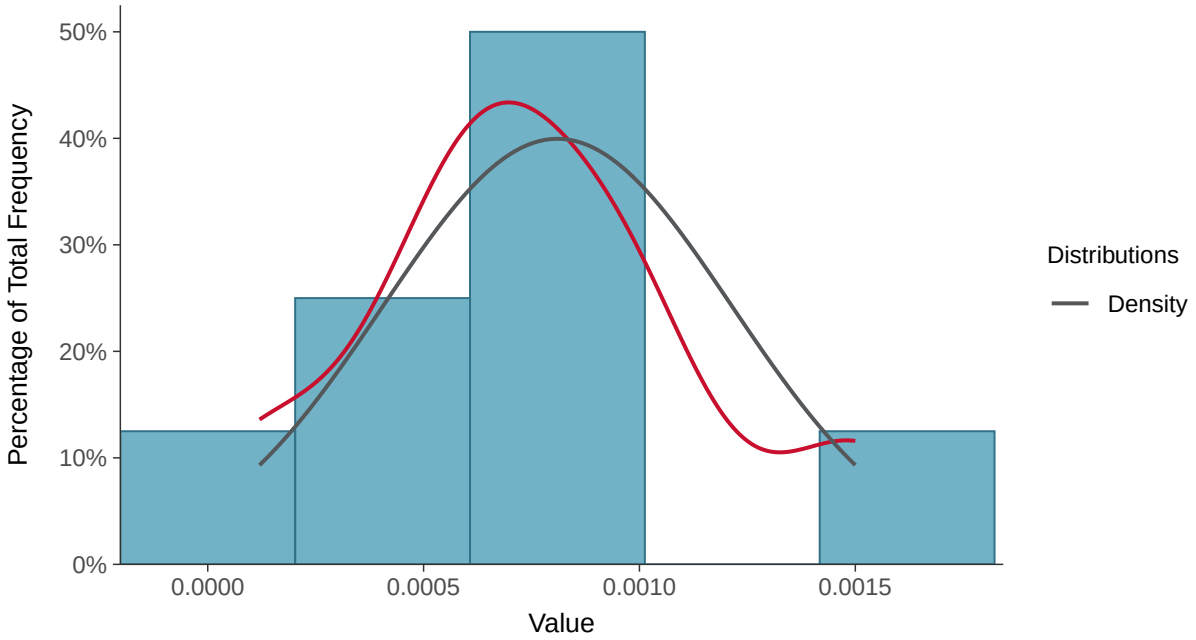
Scatter Plot

Selenium, MW-38 (mg/L)



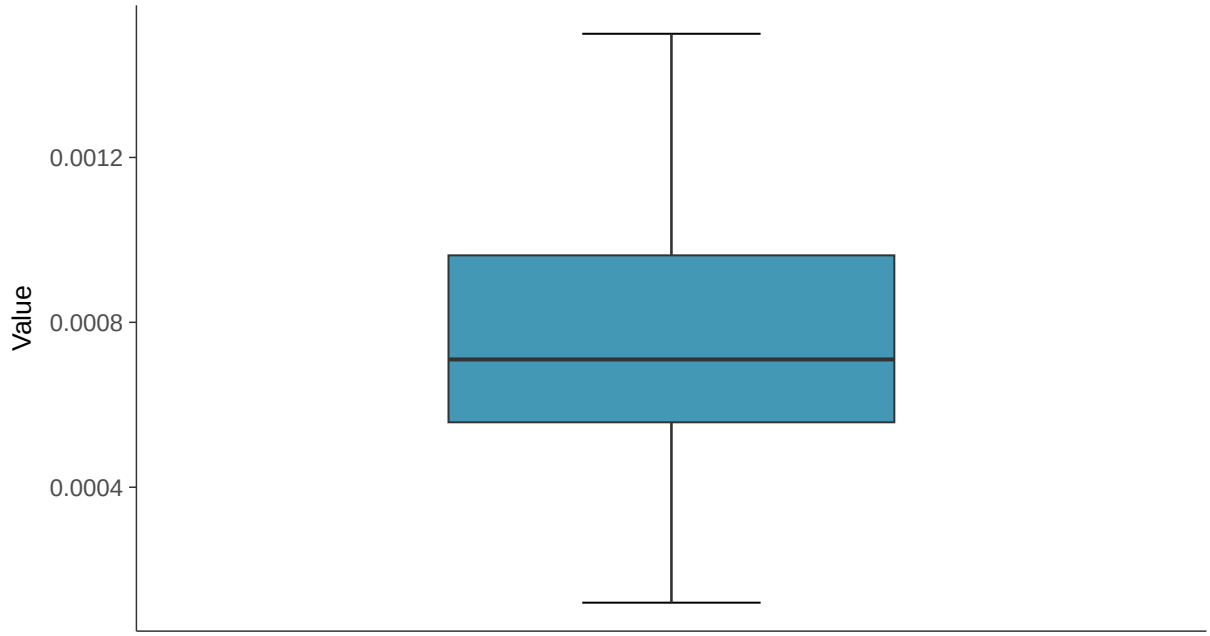
Histogram

Selenium, MW-38 (mg/L)



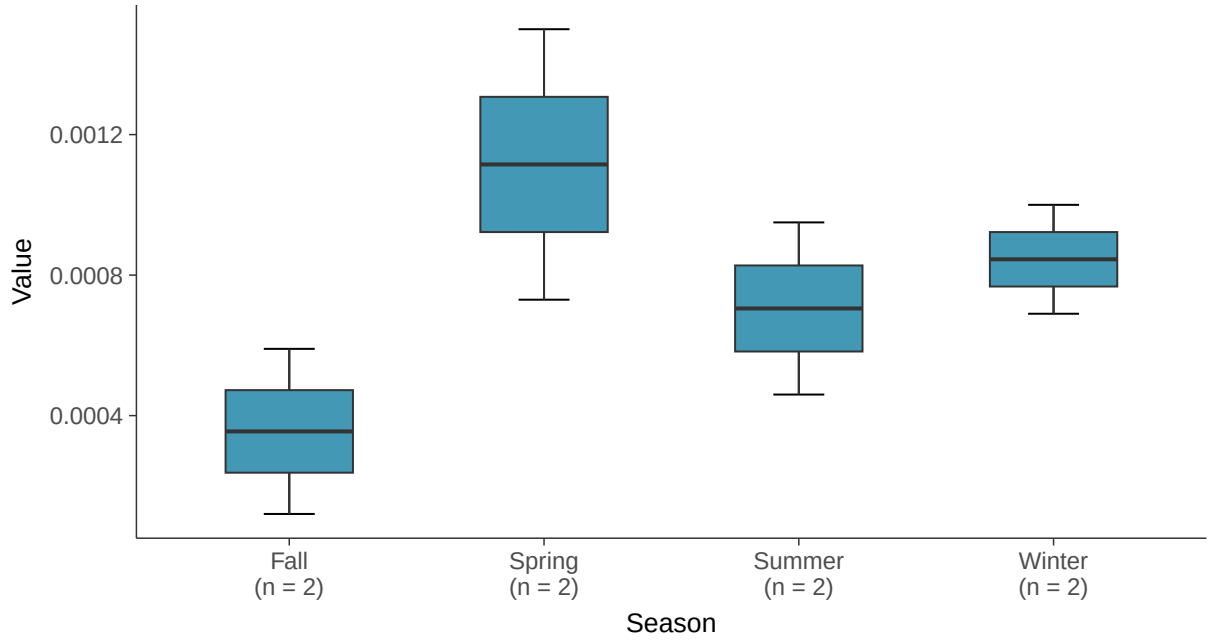
Boxplot

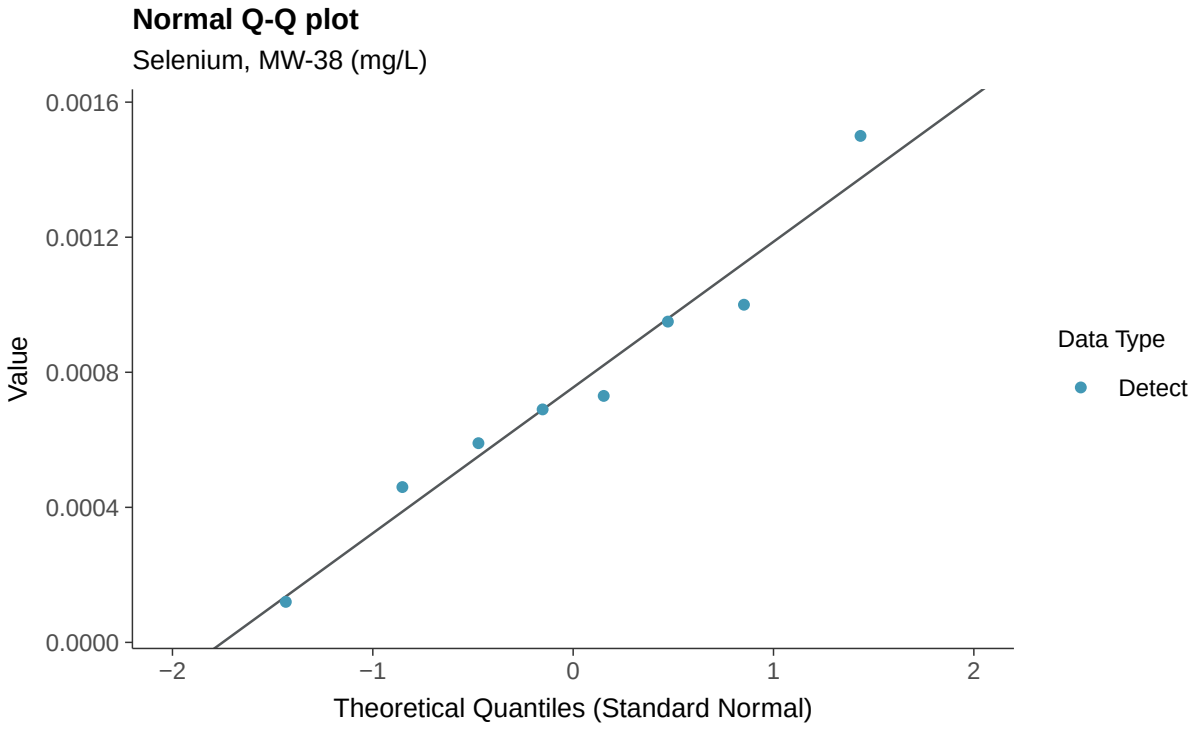
Selenium, MW-38 (mg/L)

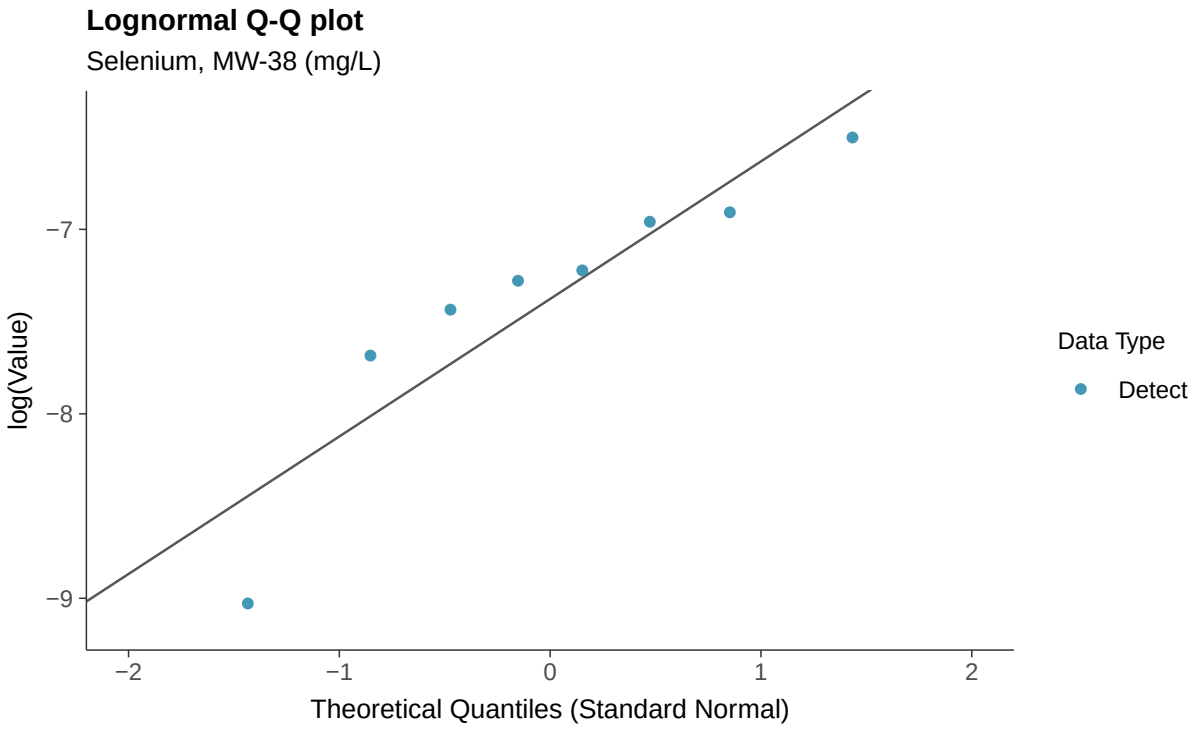


Boxplot by Season

Selenium, MW-38 (mg/L)

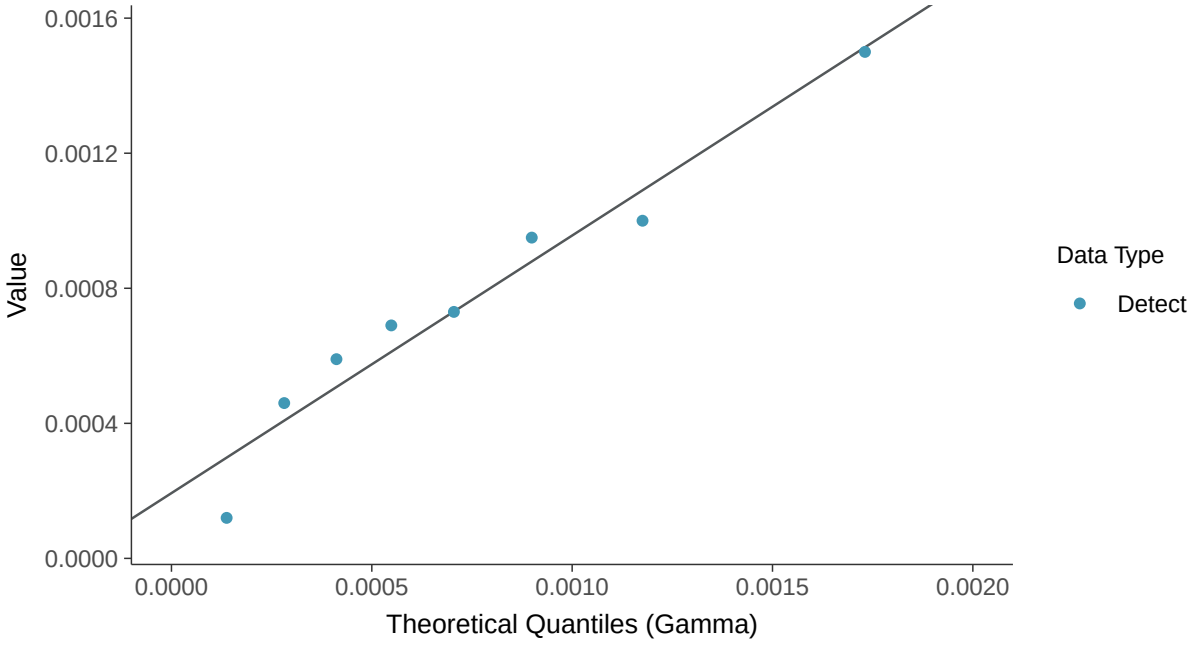



Normal Q-Q plot
Selenium, MW-38 (mg/L)
Value
0.0016
0.0012
0.0008
0.0004
0.0000
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect


Lognormal Q-Q plot
Selenium, MW-38 (mg/L)
log(Value)
−7
−8
−9
−2
−1
0
1
2
Theoretical Quantiles (Standard Normal)
Data Type
Detect

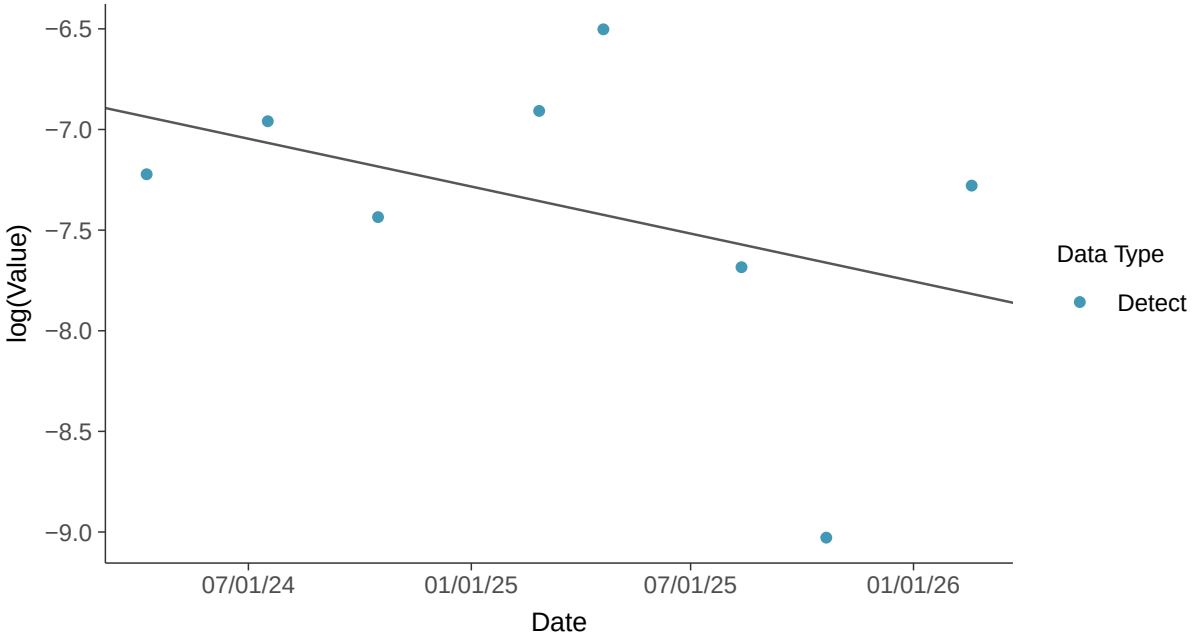
Gamma Q-Q plot

Selenium, MW-38 (mg/L)



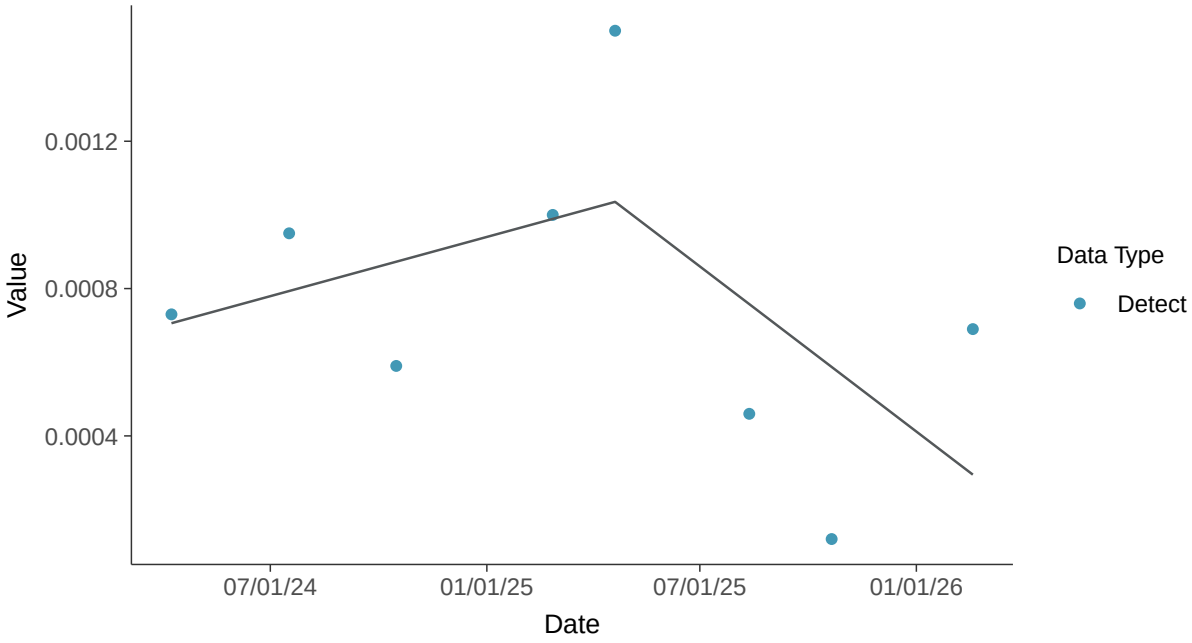
Trend Regression: Lognormal MLE

Selenium, MW-38 (mg/L)



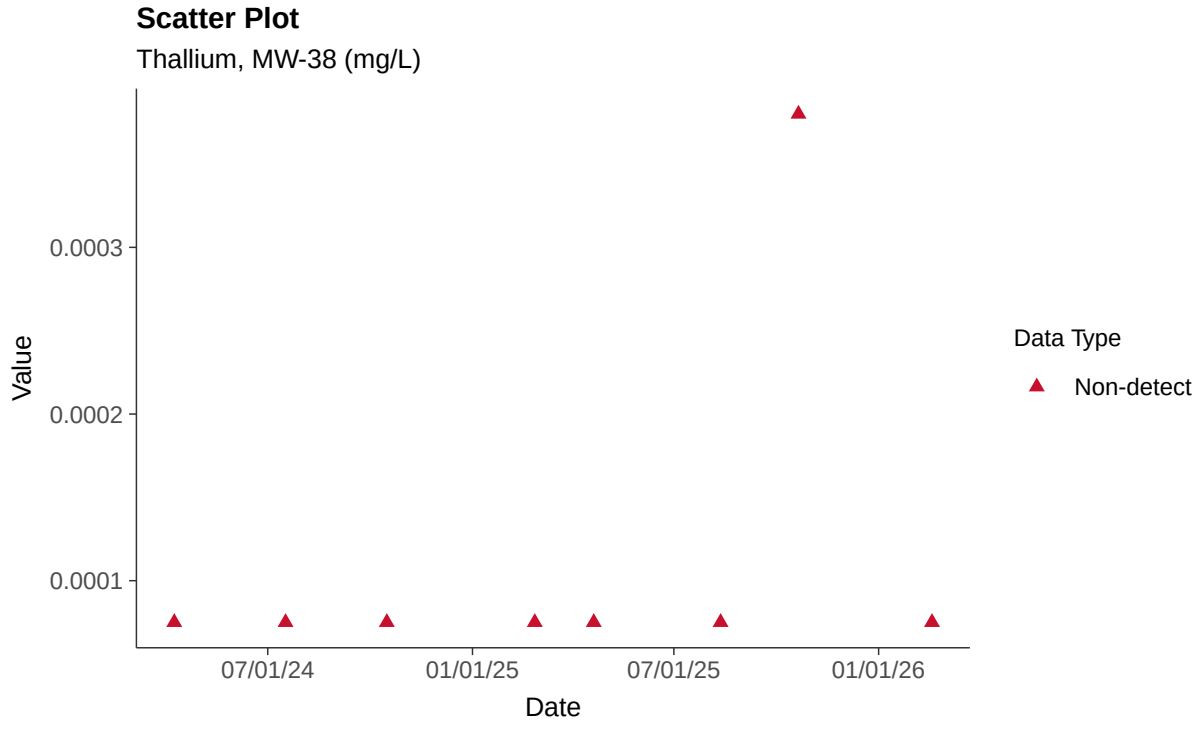
Trend Regression: Piecewise Linear-Linear

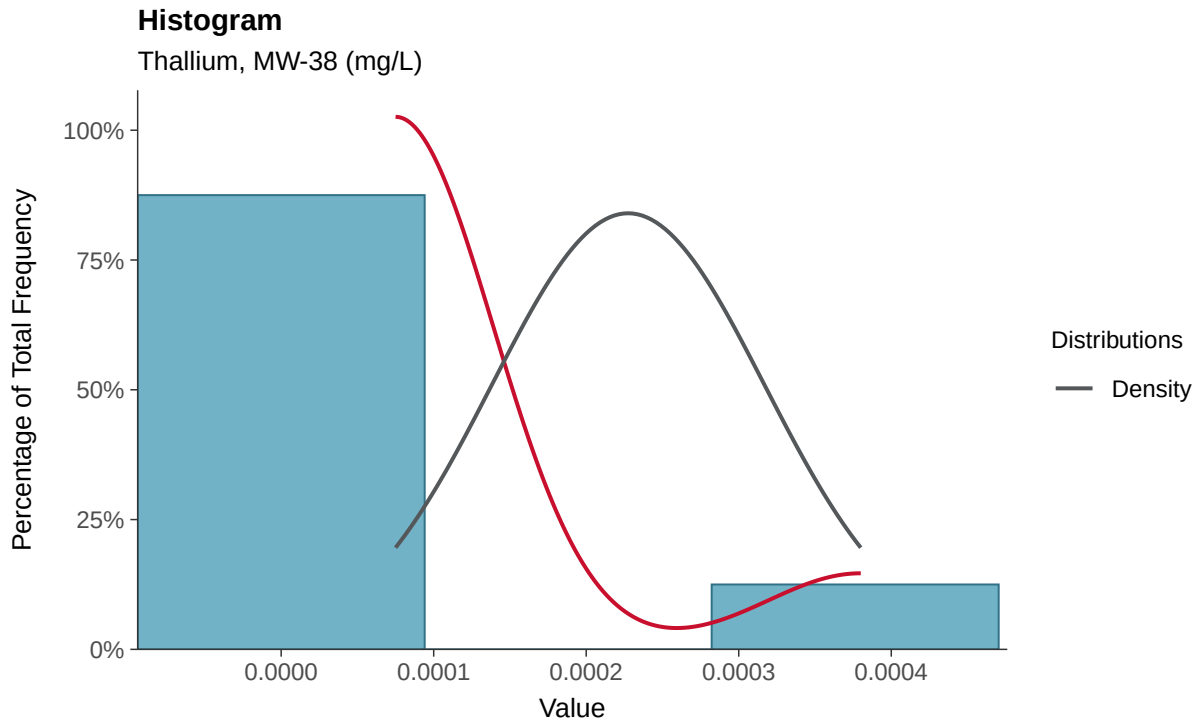
Selenium, MW-38 (mg/L)



Appendix IV: Thallium, MW-38

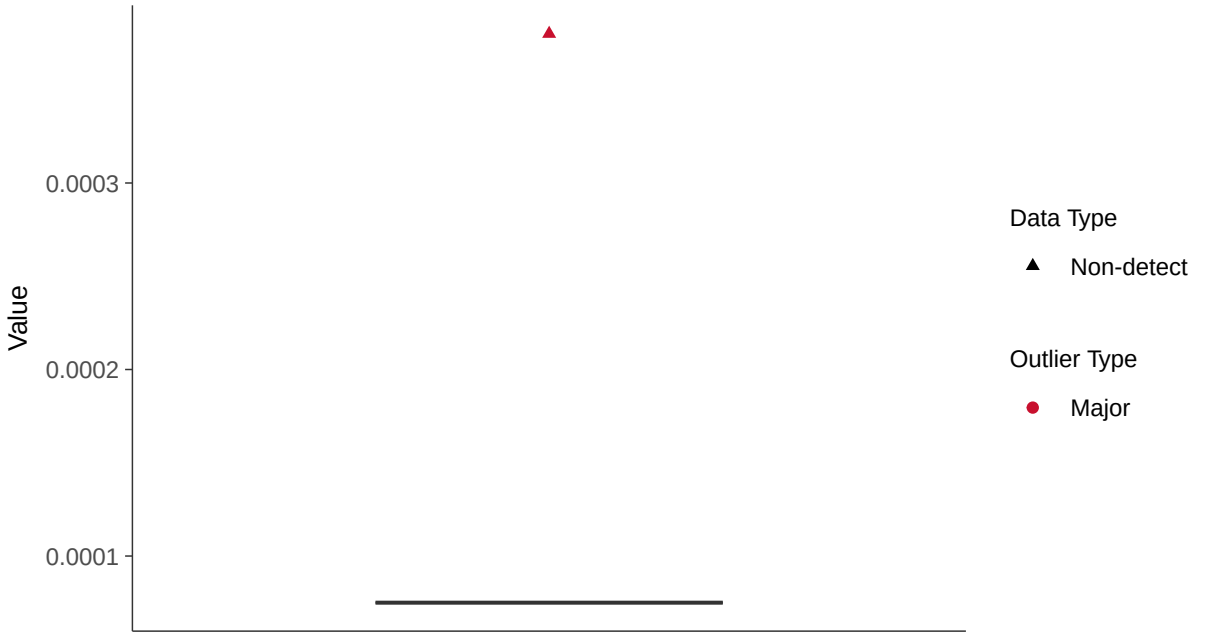
ID: 48_2_4_125





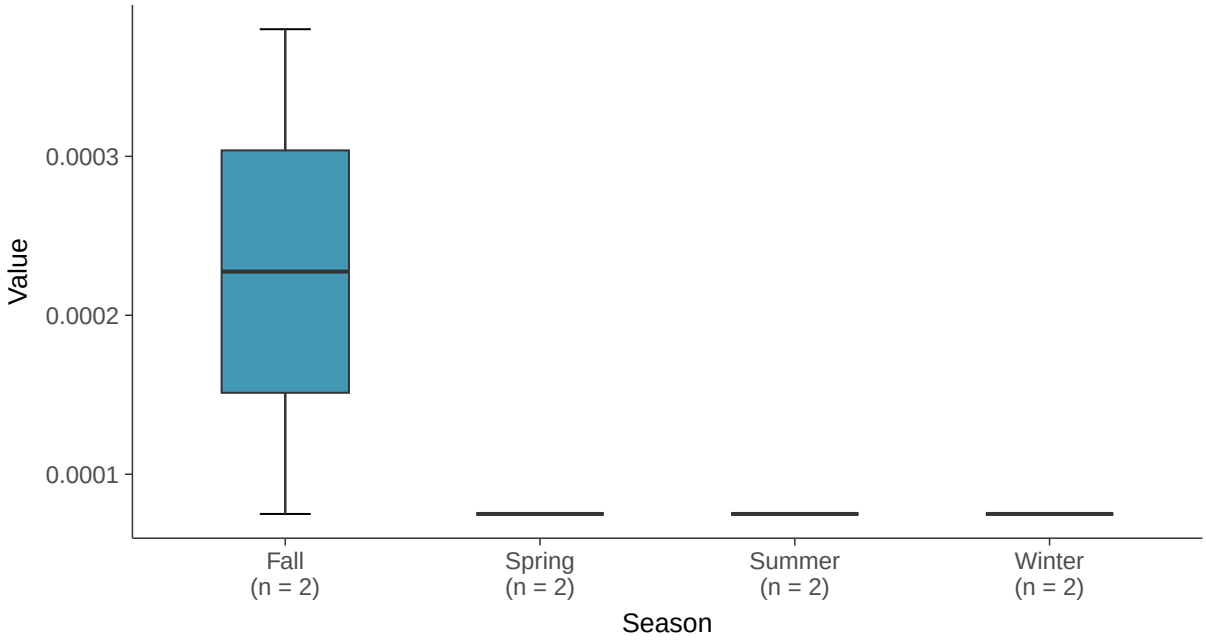
Boxplot

Thallium, MW-38 (mg/L)



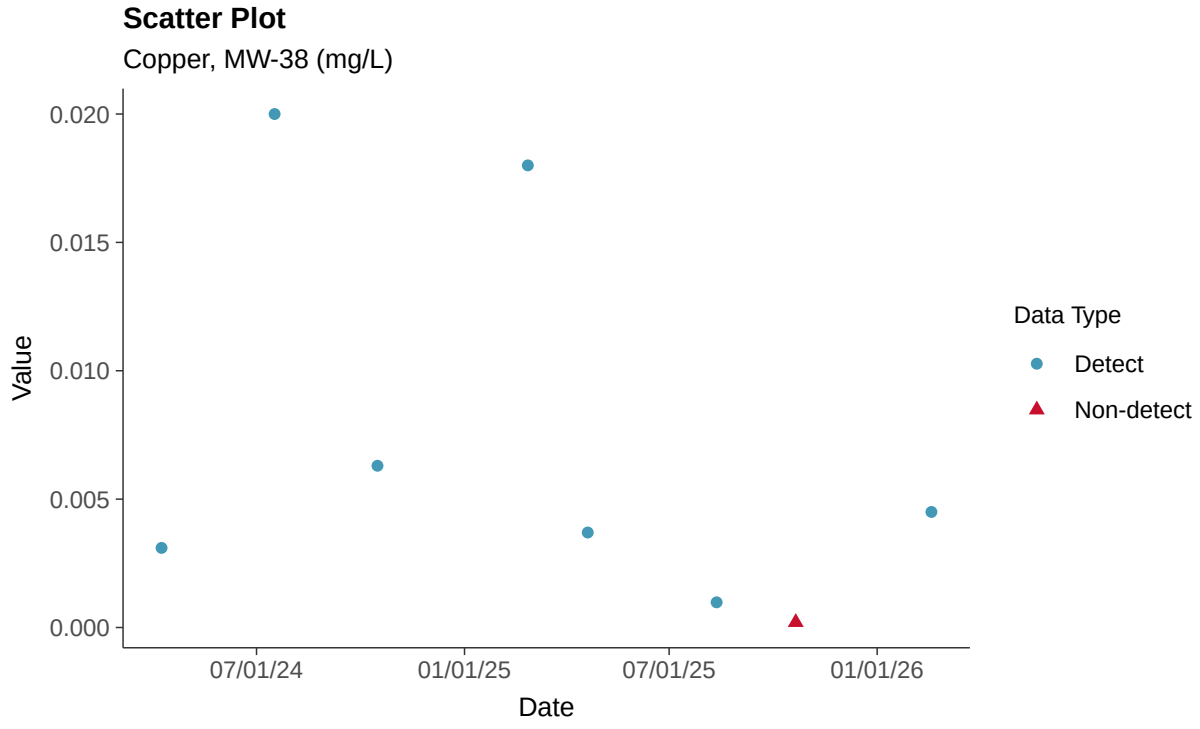
Boxplot by Season

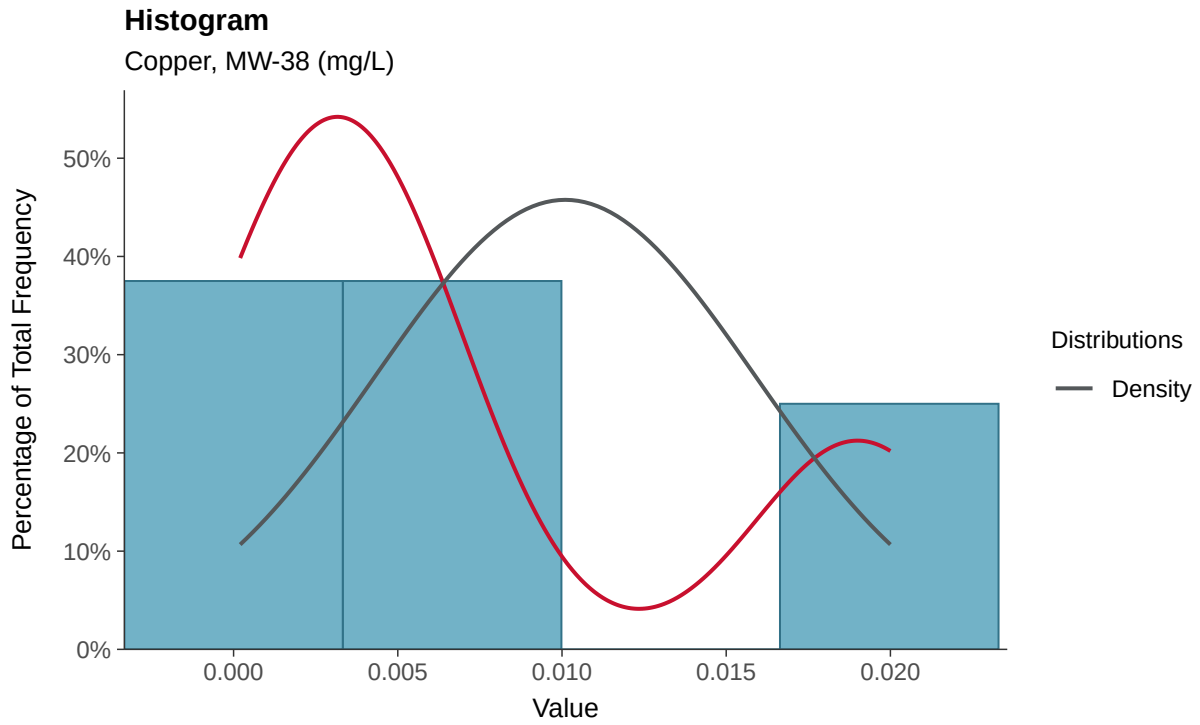
Thallium, MW-38 (mg/L)



Part 115: Copper, MW-38

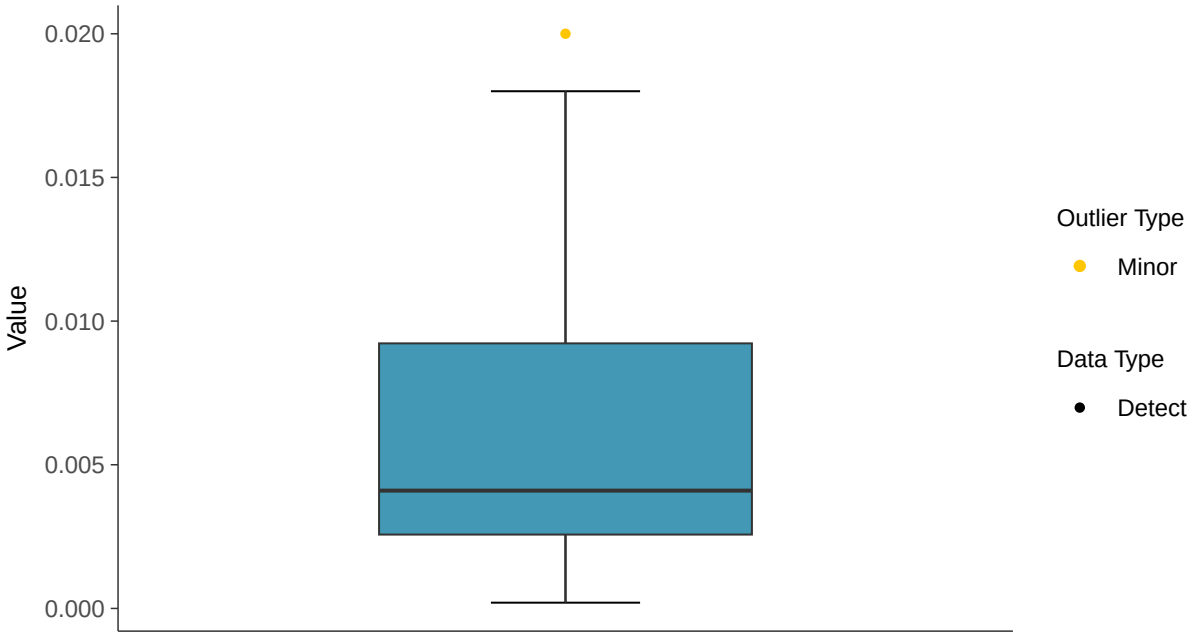
ID: 48_2_5_111





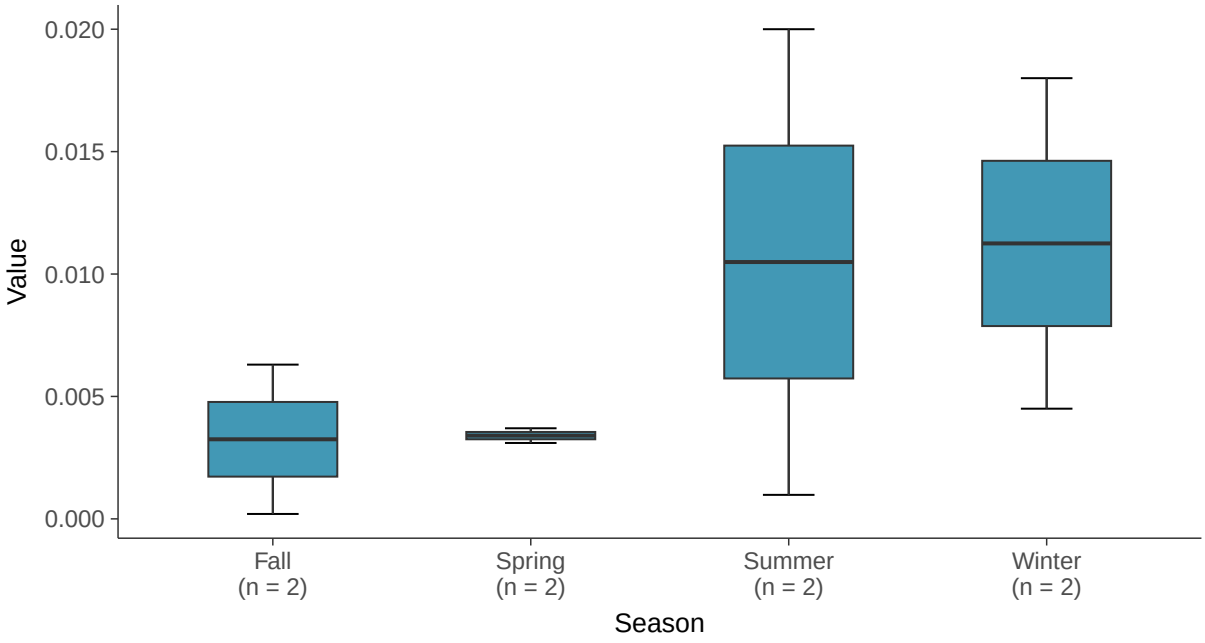
Boxplot

Copper, MW-38 (mg/L)



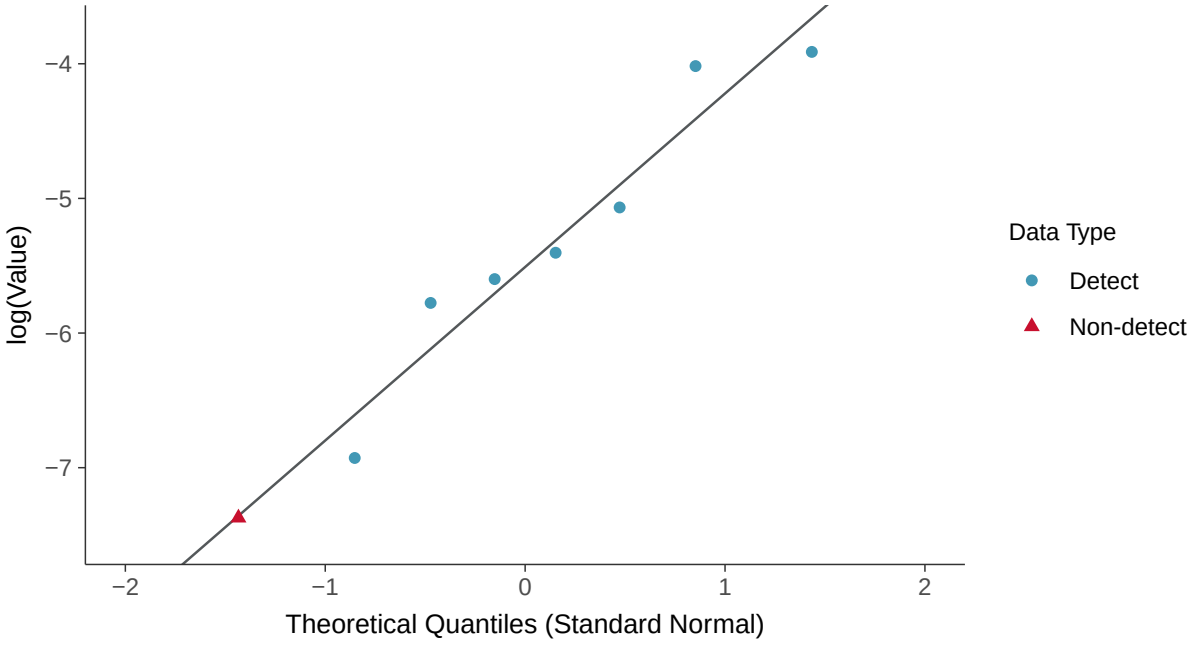
Boxplot by Season

Copper, MW-38 (mg/L)



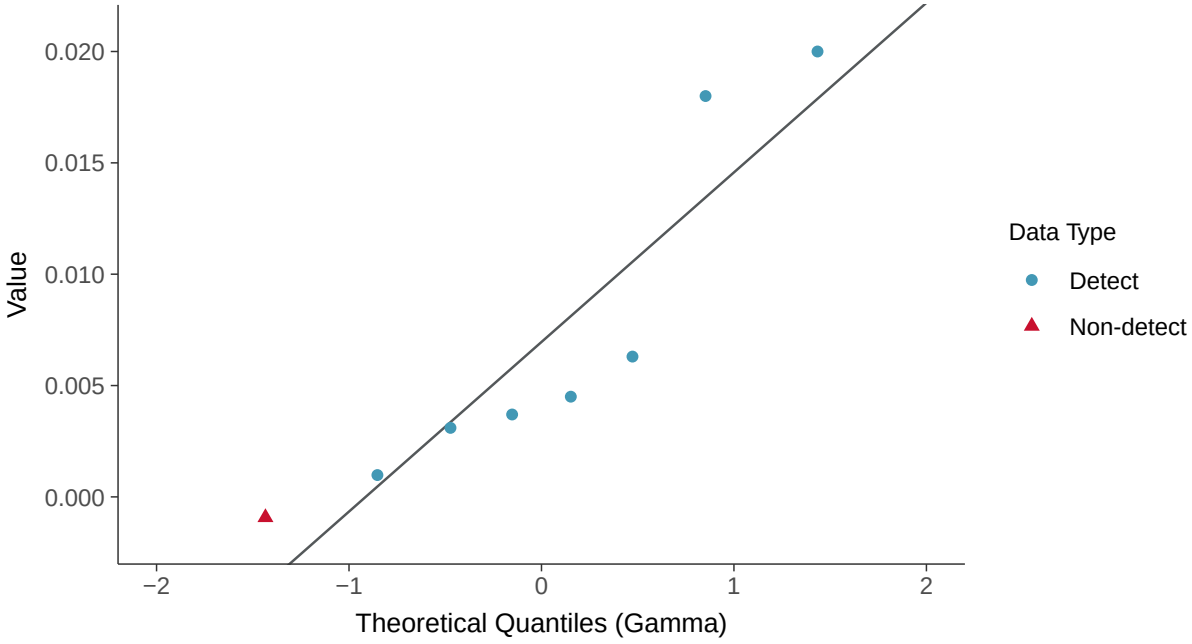
Lognormal Q-Q plot using ROS Imputed Estimates

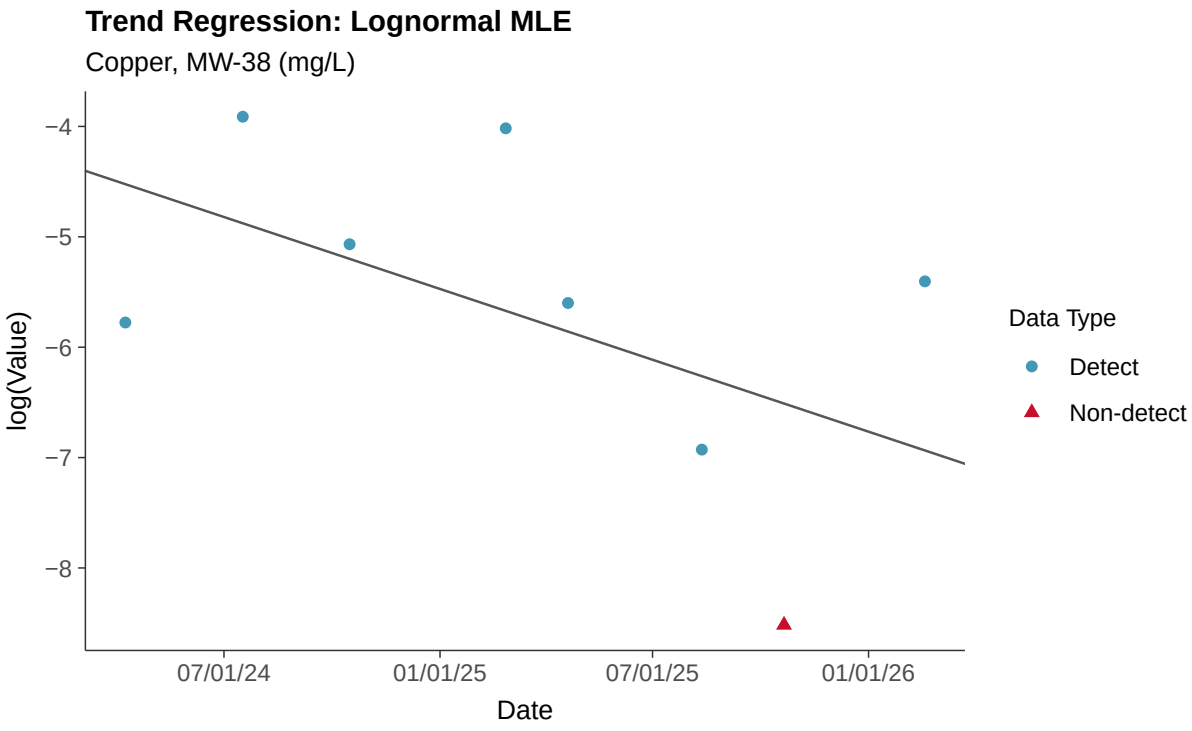
Copper, MW-38 (mg/L)



Gamma Q-Q plot using ROS Imputed Estimates

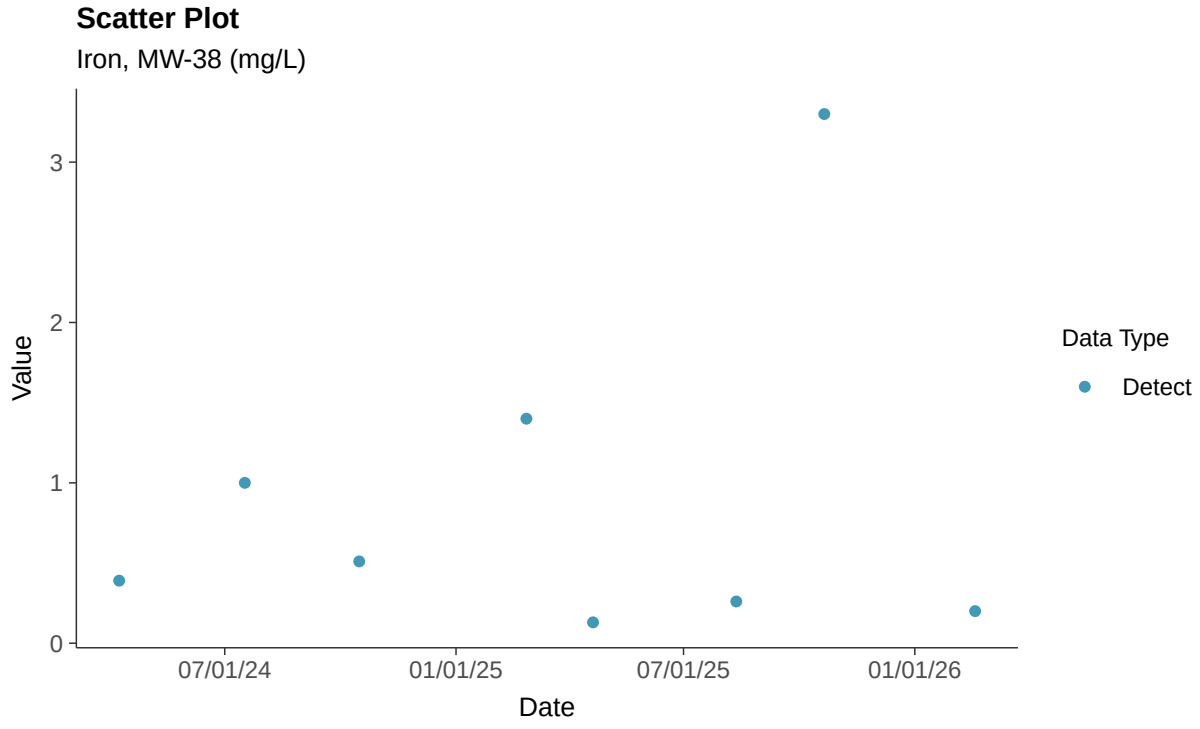
Copper, MW-38 (mg/L)

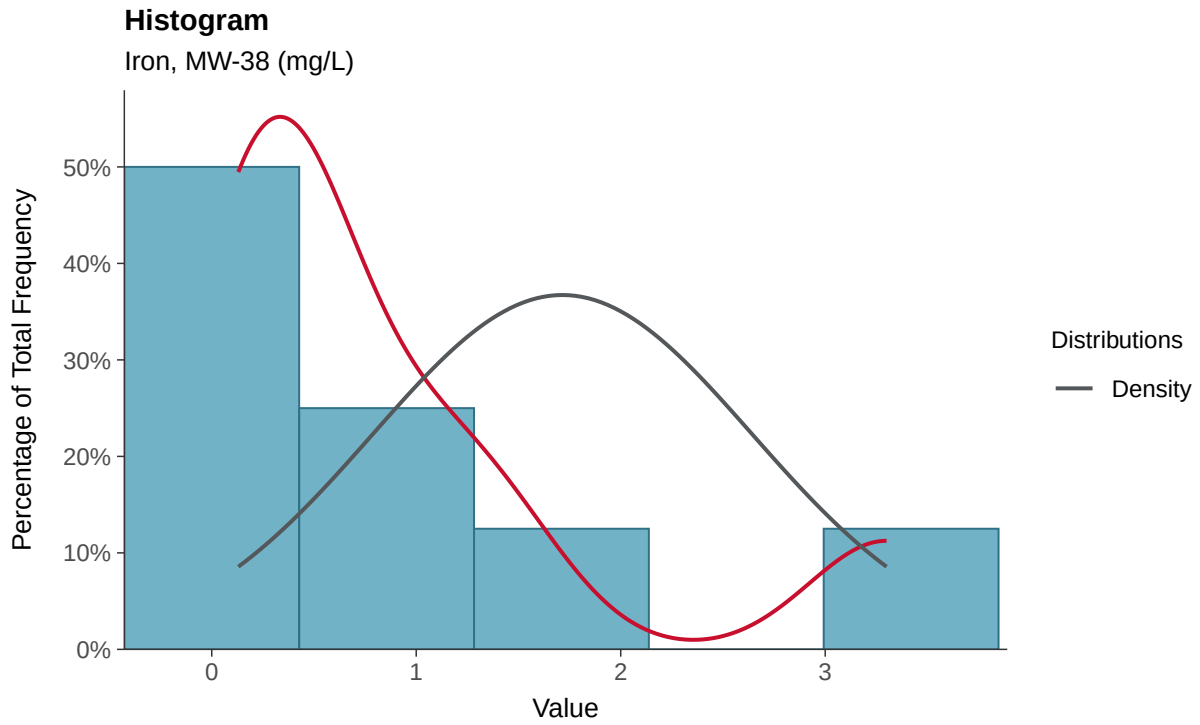



Trend Regression: Lognormal MLE
Copper, MW-38 (mg/L)
log(Value)
−4
−5
−6
−7
−8
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Part 115: Iron, MW-38

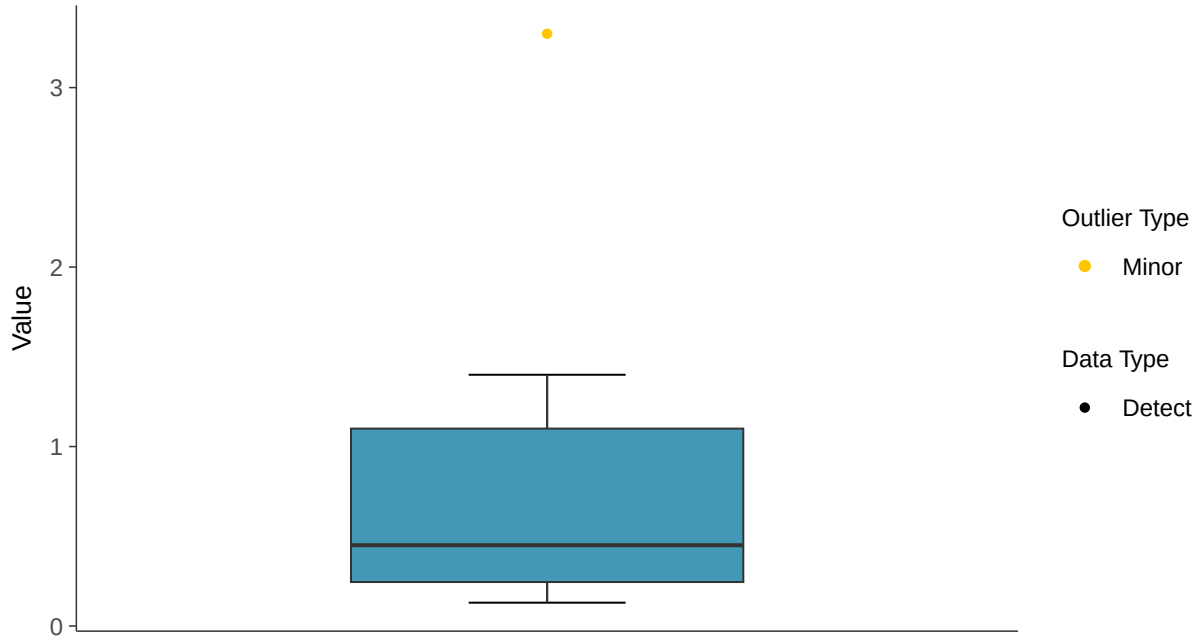
ID: 48_2_5_114





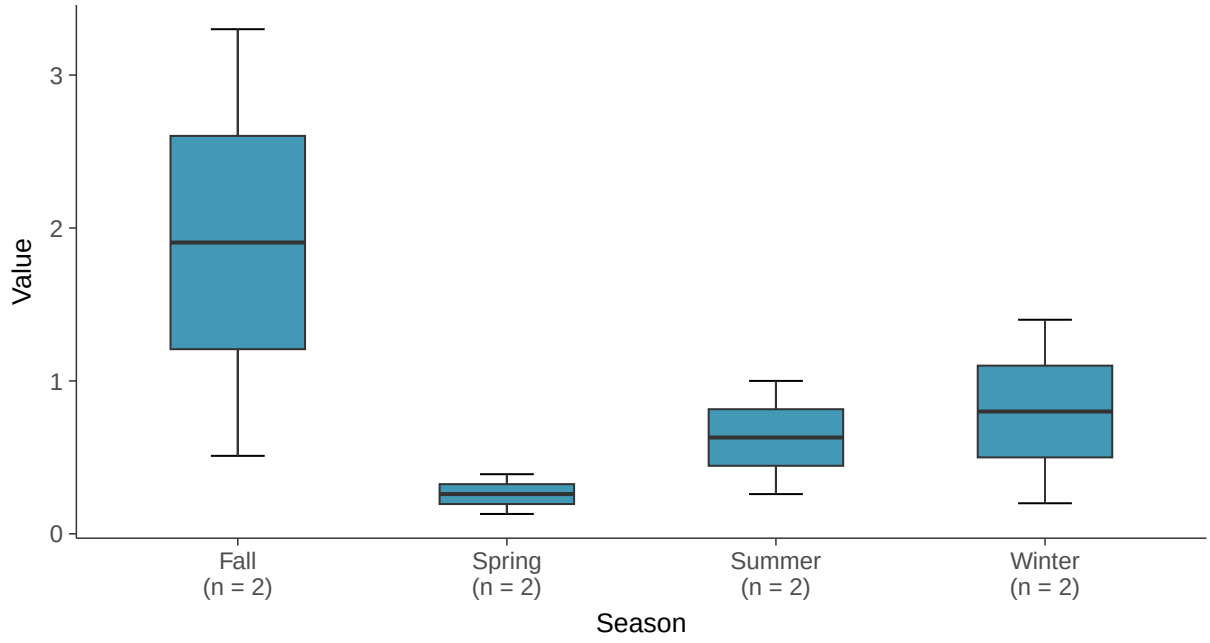
Boxplot

Iron, MW-38 (mg/L)



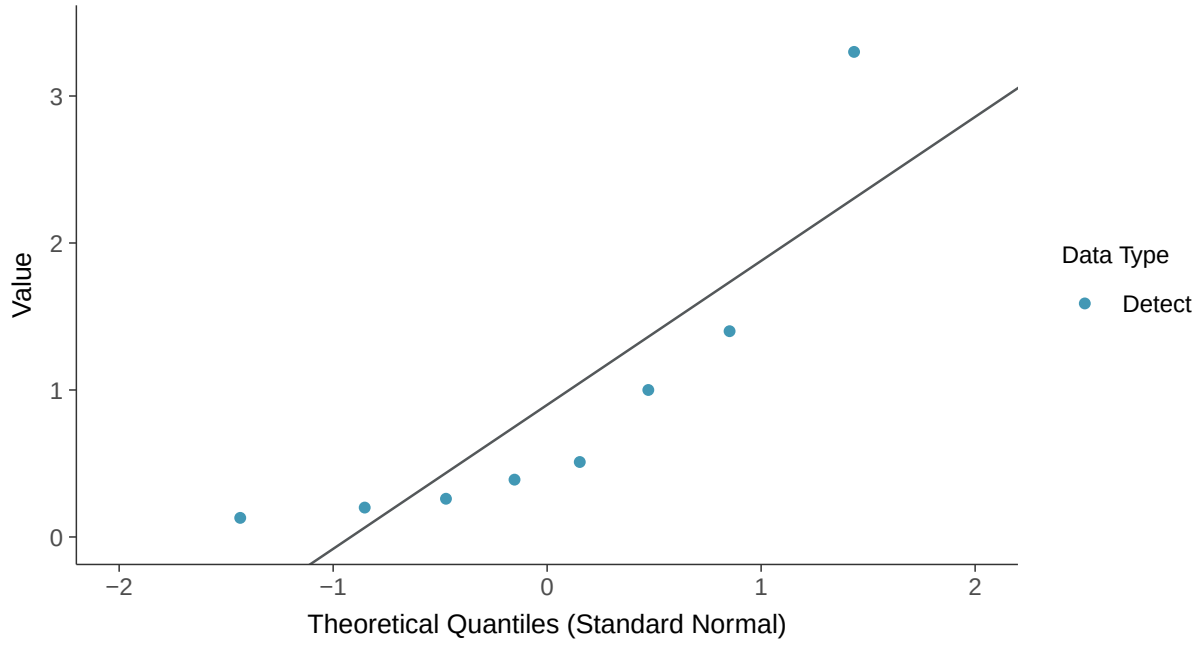
Boxplot by Season

Iron, MW-38 (mg/L)



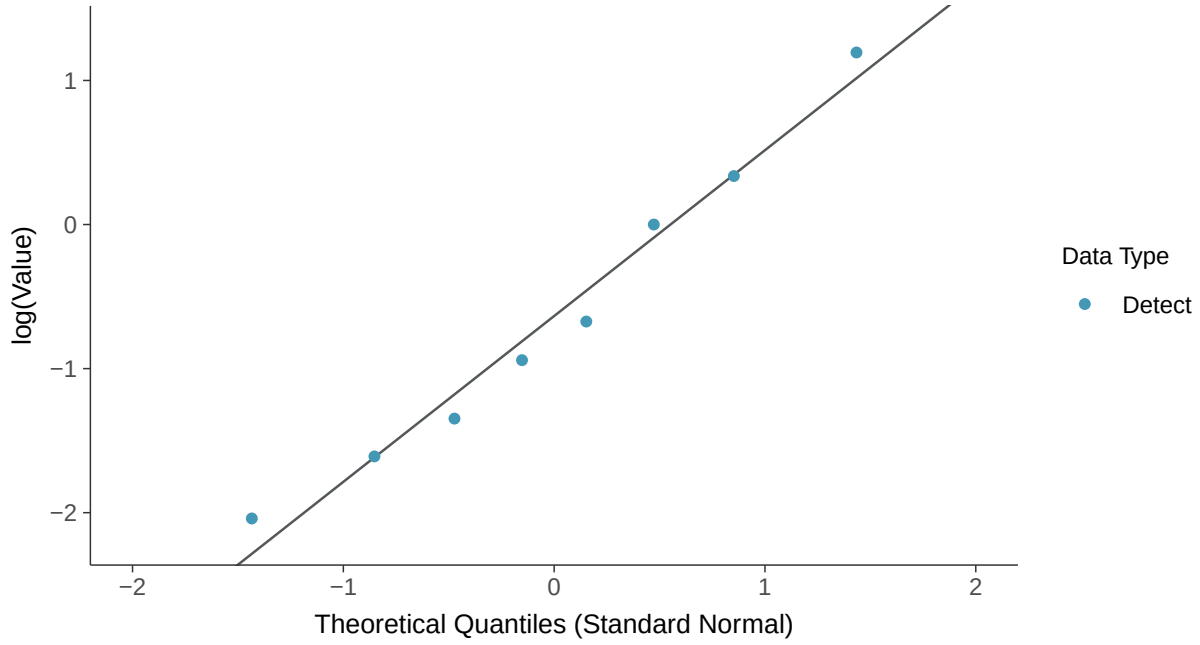
Normal Q-Q plot

Iron, MW-38 (mg/L)



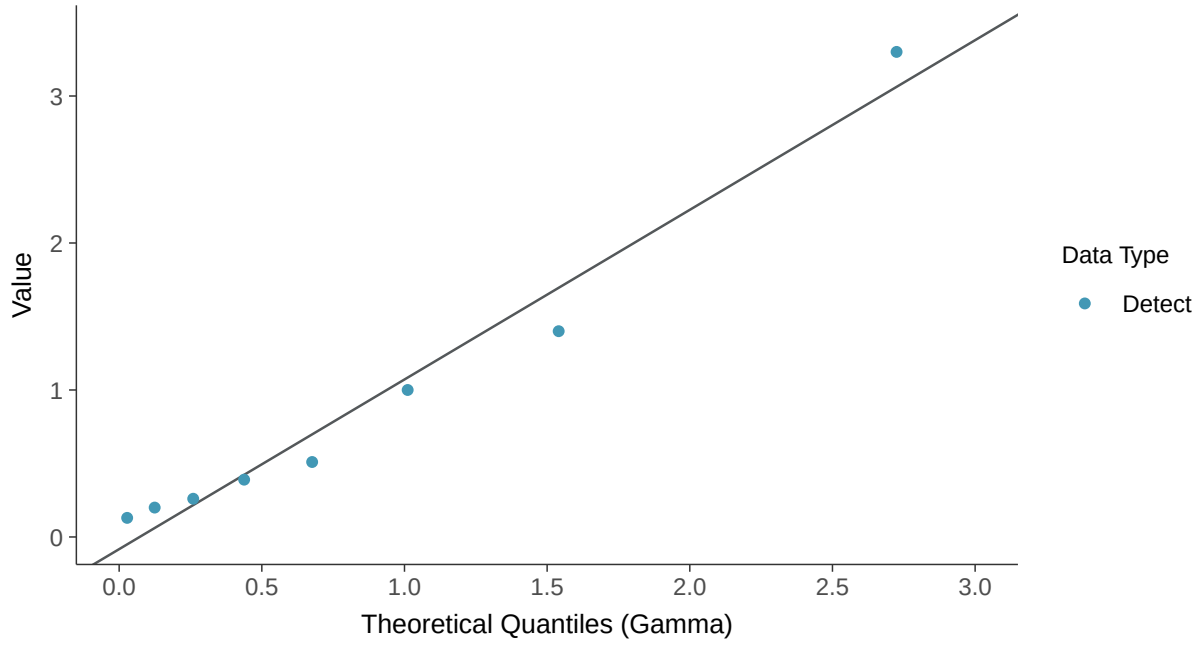
Lognormal Q-Q plot

Iron, MW-38 (mg/L)



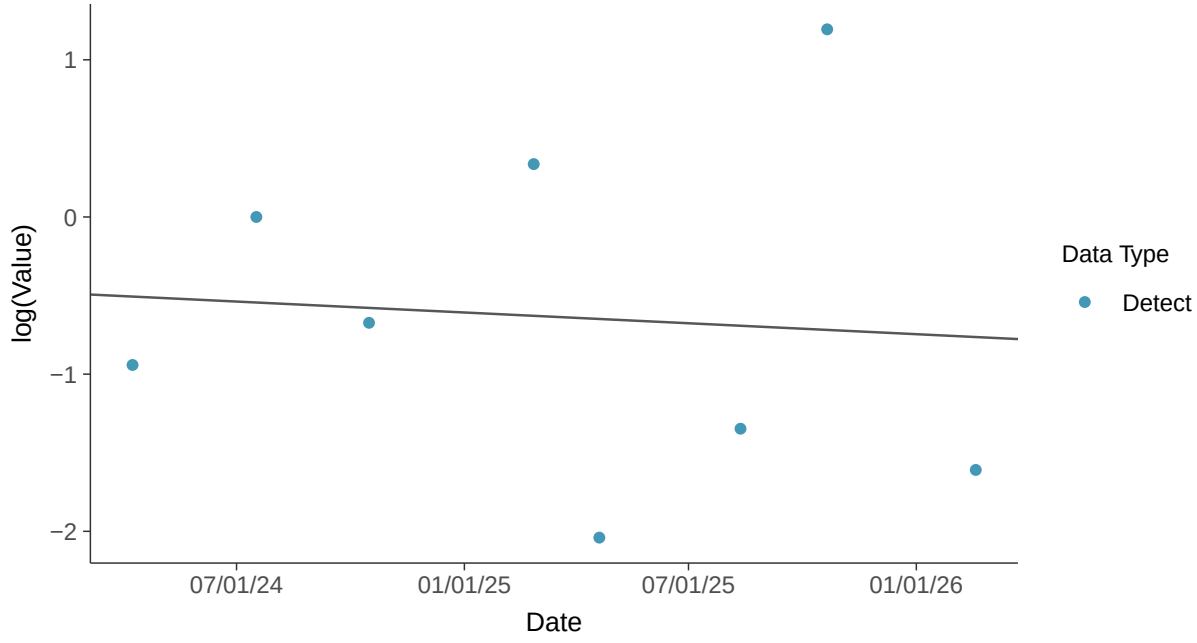
Gamma Q-Q plot

Iron, MW-38 (mg/L)



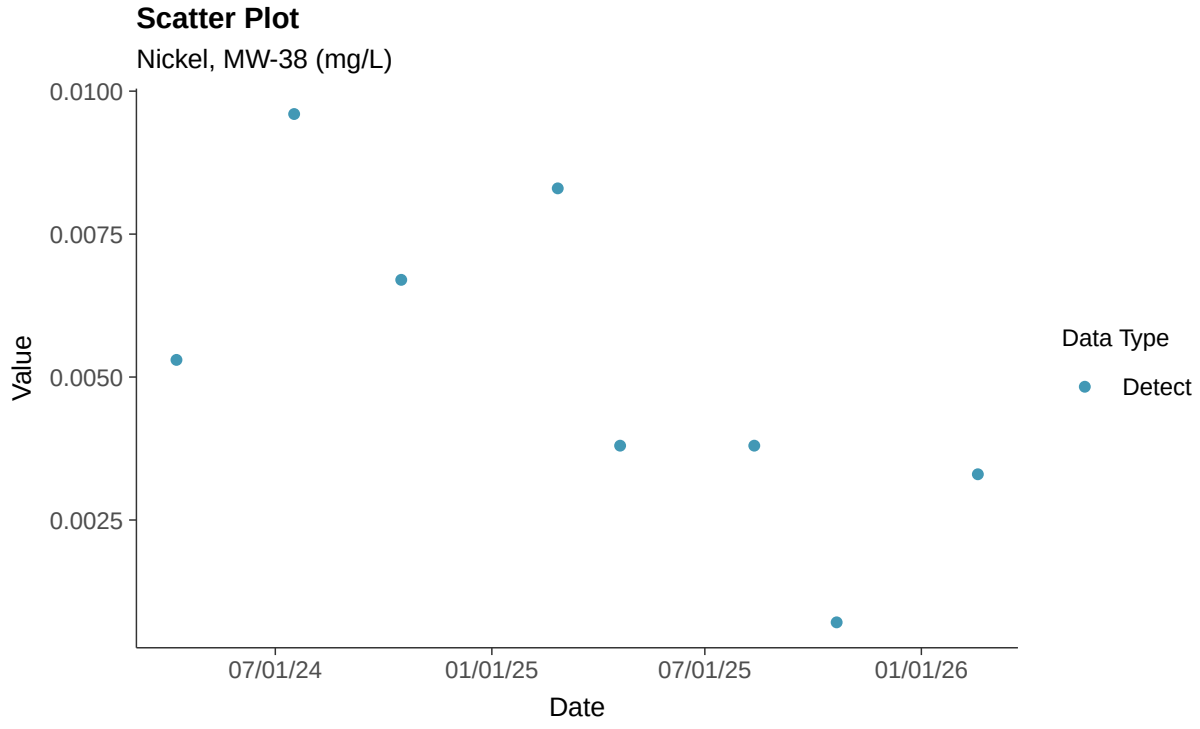
Trend Regression: Lognormal MLE

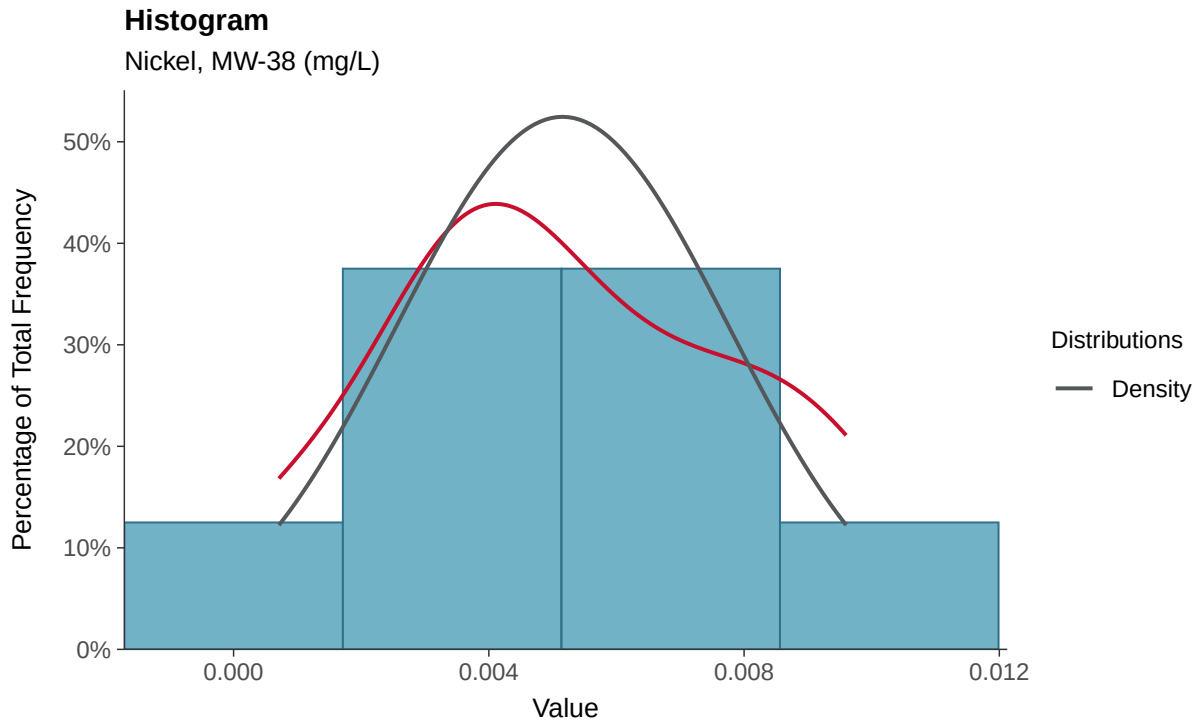
Iron, MW-38 (mg/L)



Part 115: Nickel, MW-38

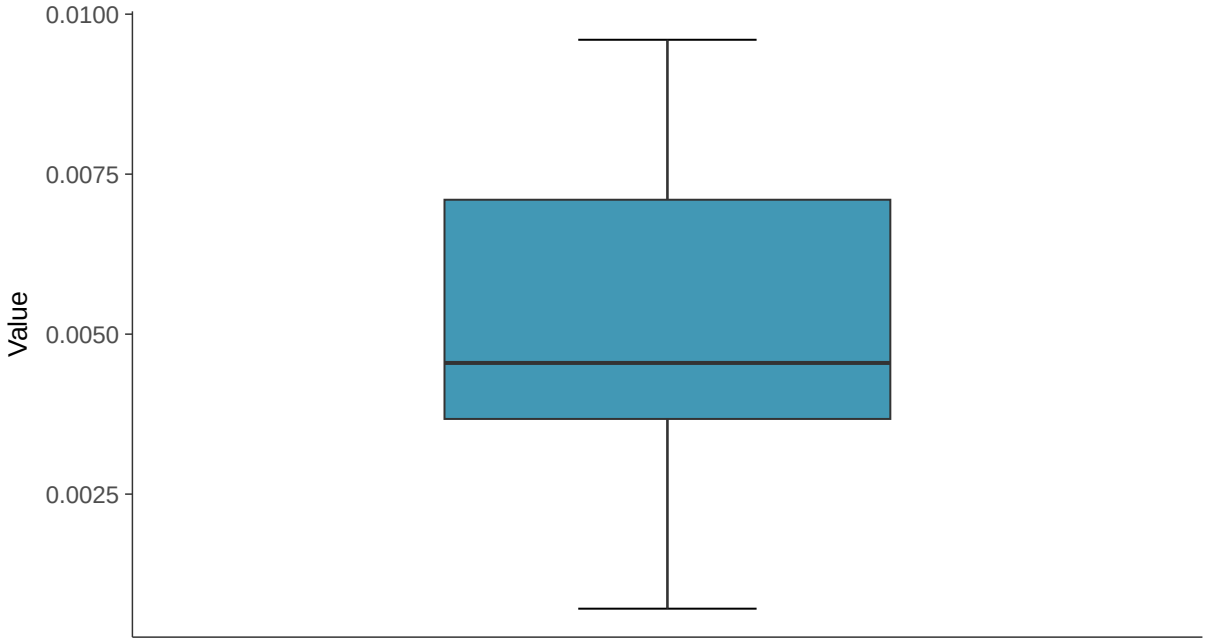
ID: 48_2_5_119





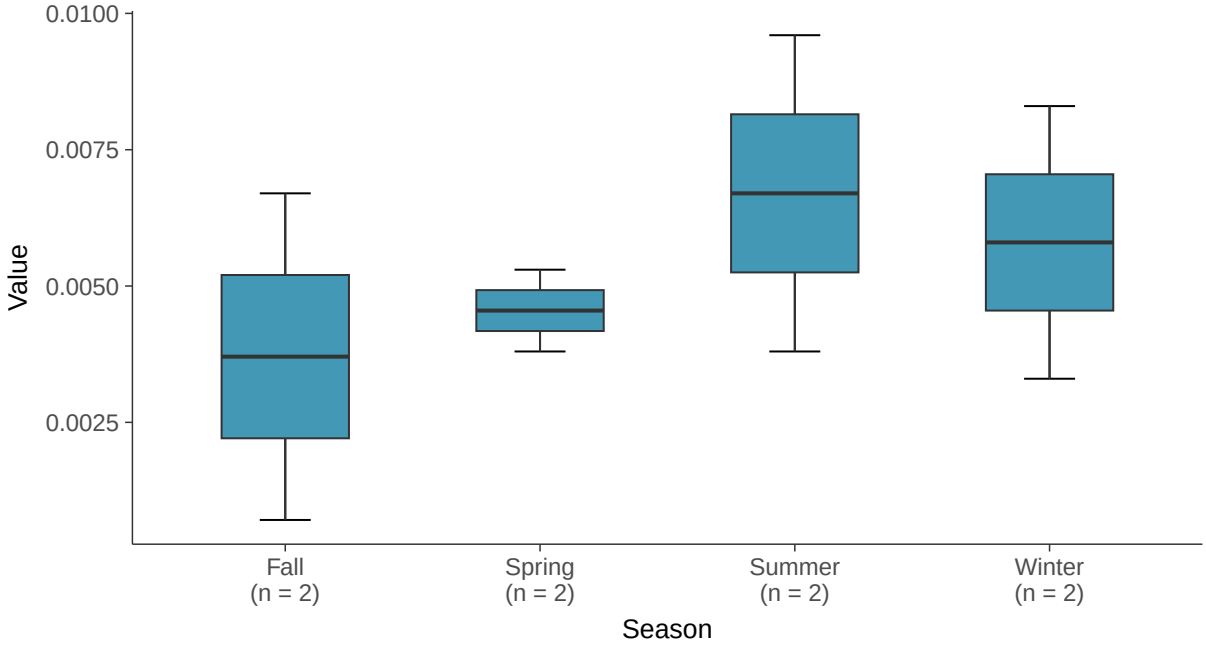
Boxplot

Nickel, MW-38 (mg/L)



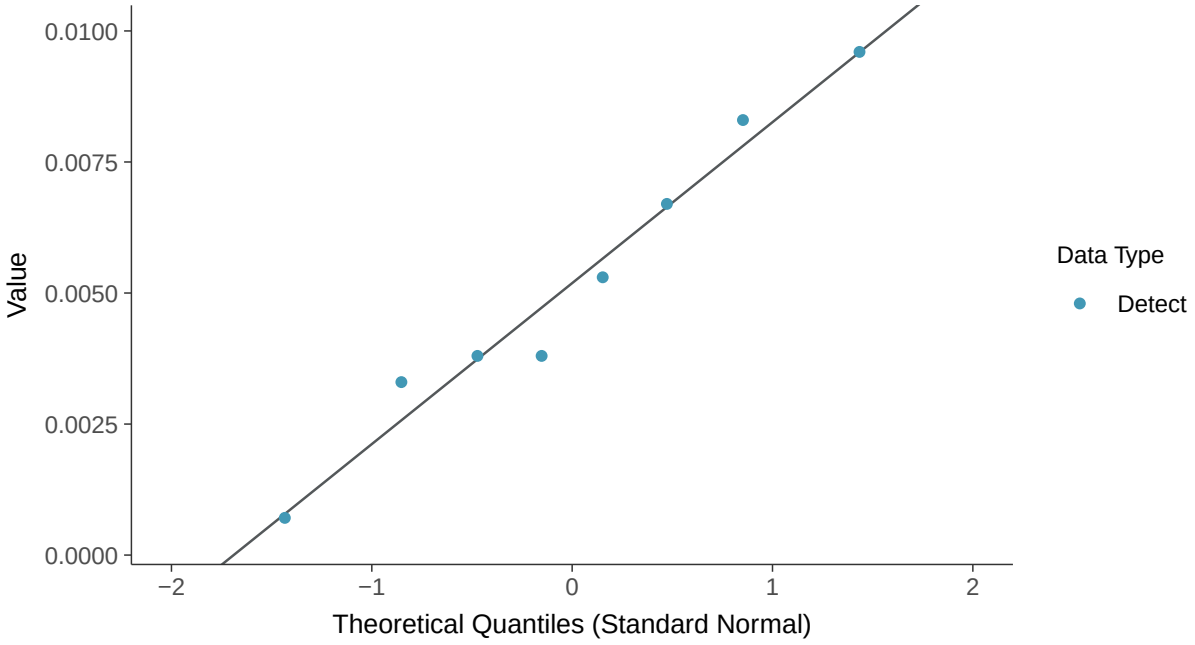
Boxplot by Season

Nickel, MW-38 (mg/L)



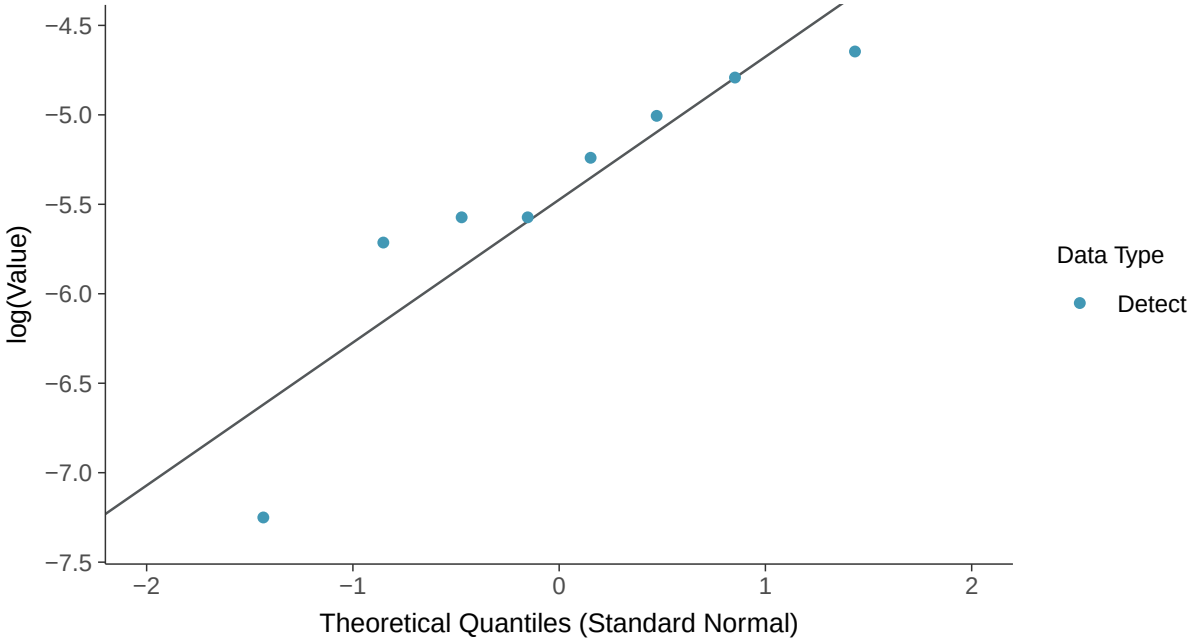
Normal Q-Q plot

Nickel, MW-38 (mg/L)



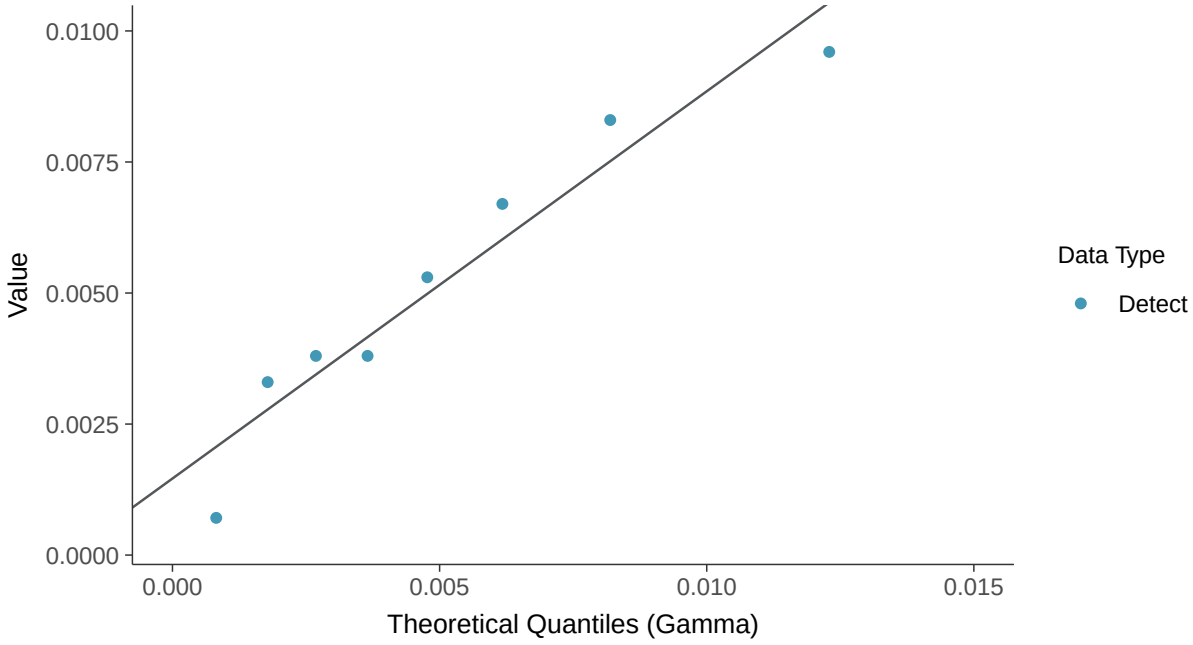
Lognormal Q-Q plot

Nickel, MW-38 (mg/L)



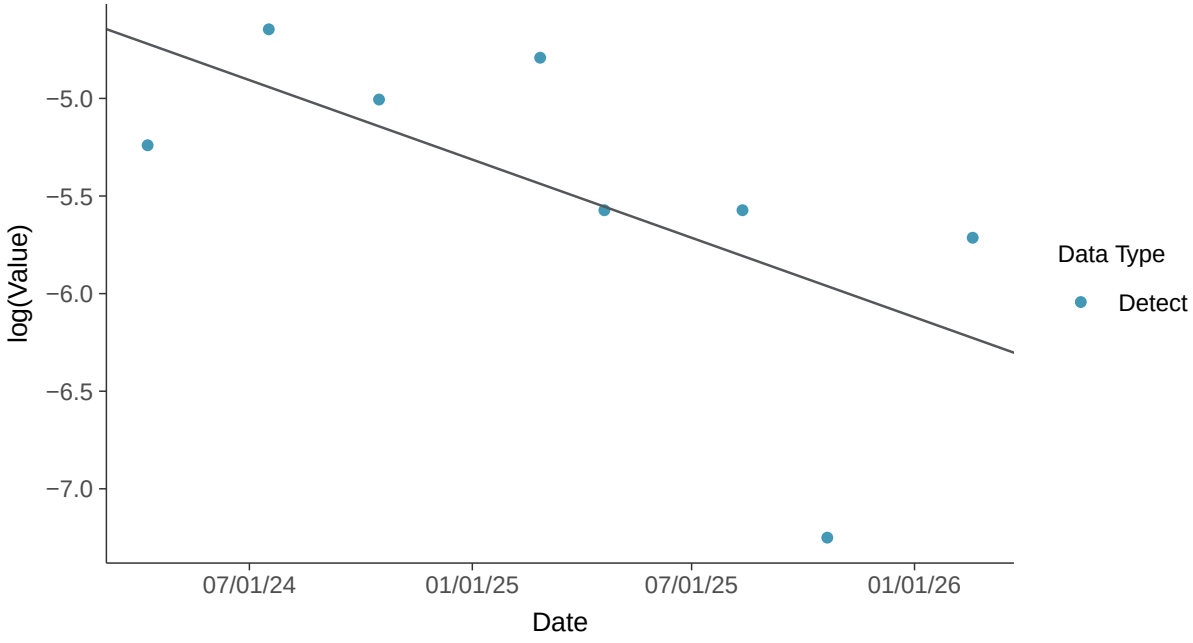
Gamma Q-Q plot

Nickel, MW-38 (mg/L)



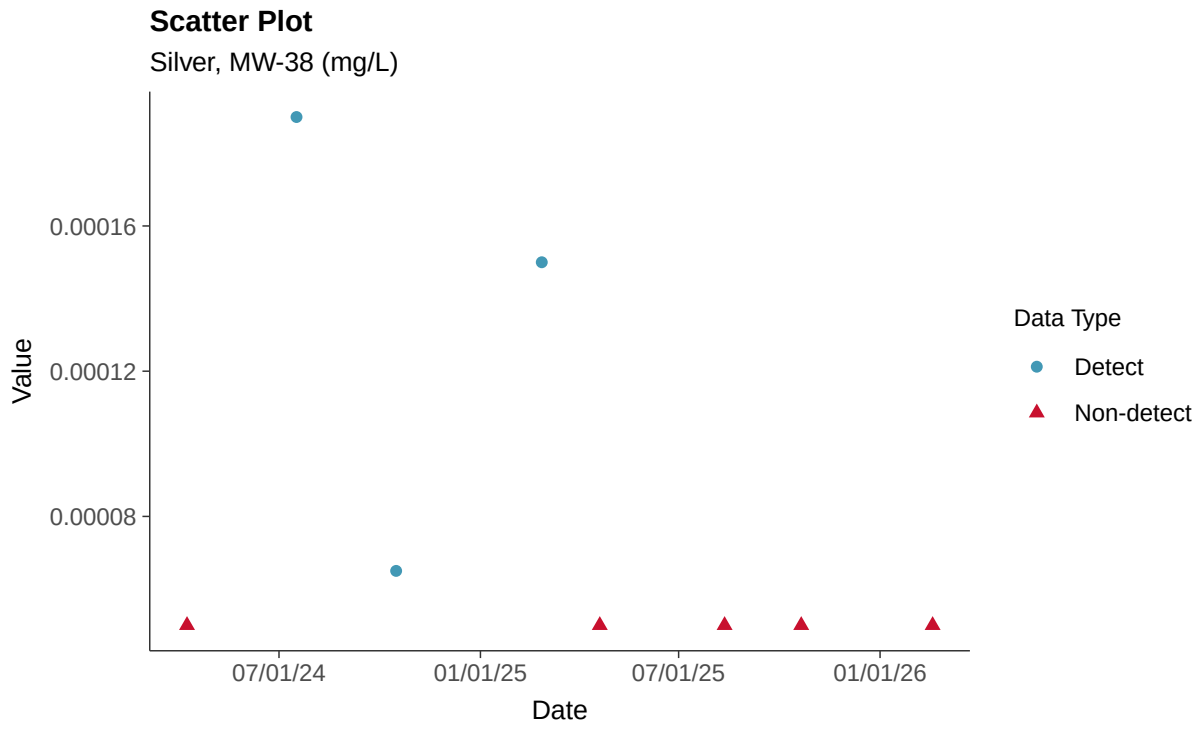
Trend Regression: Lognormal MLE

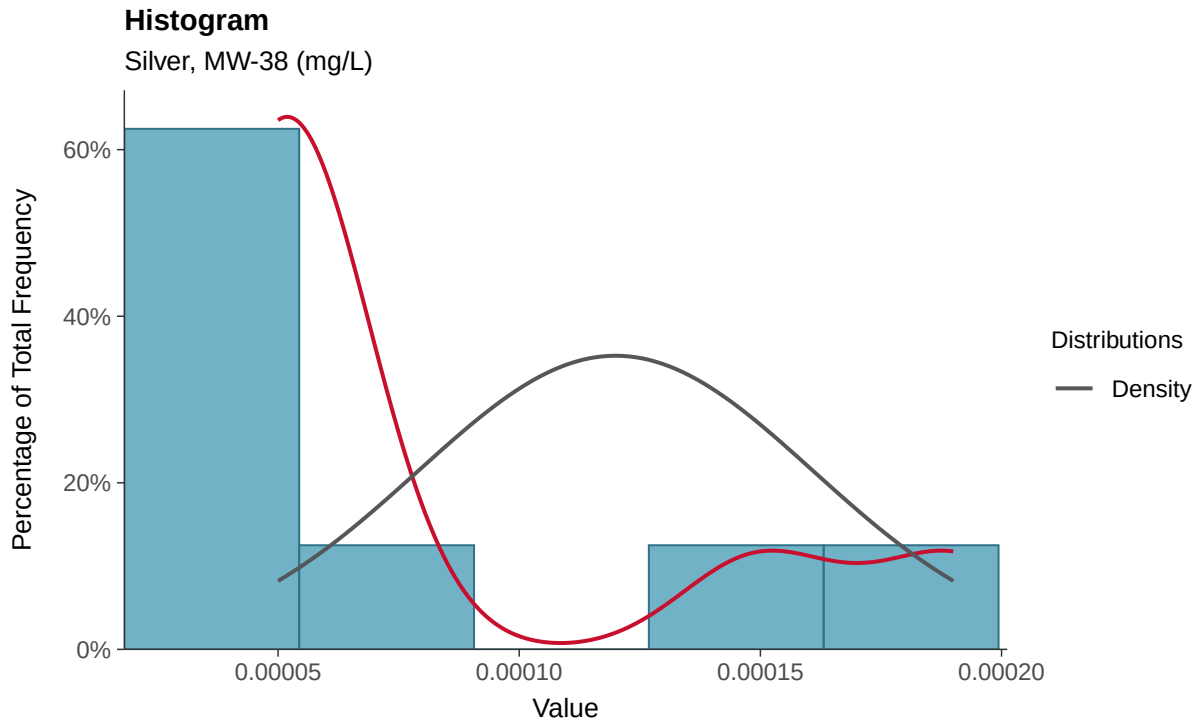
Nickel, MW-38 (mg/L)



Part 115: Silver, MW-38

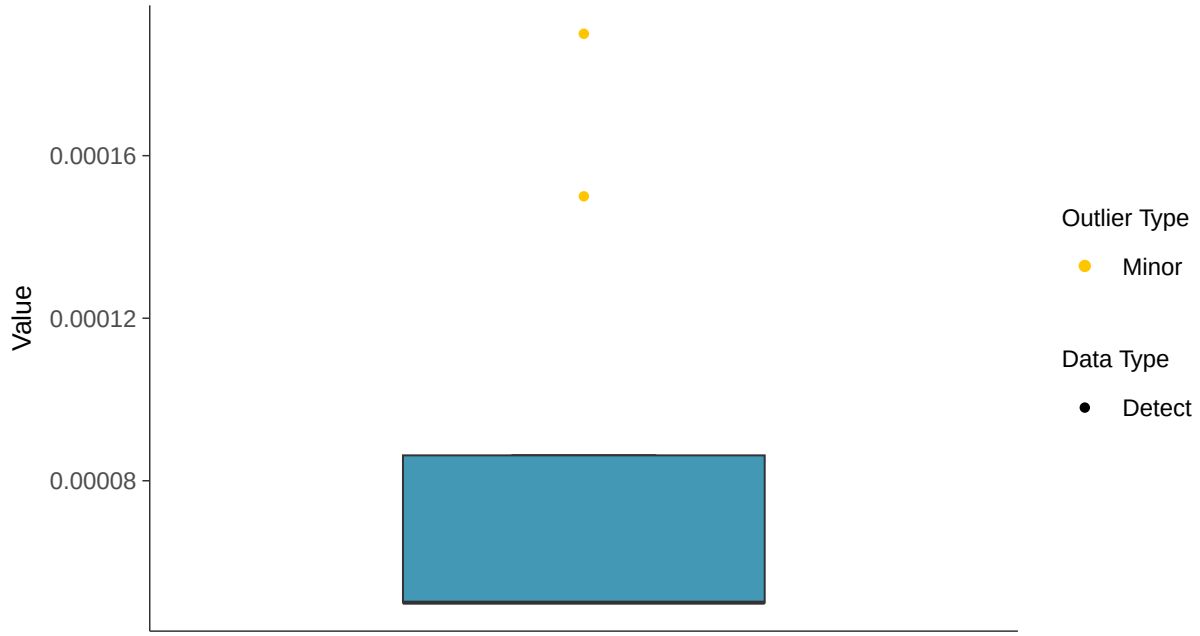
ID: 48_2_5_123





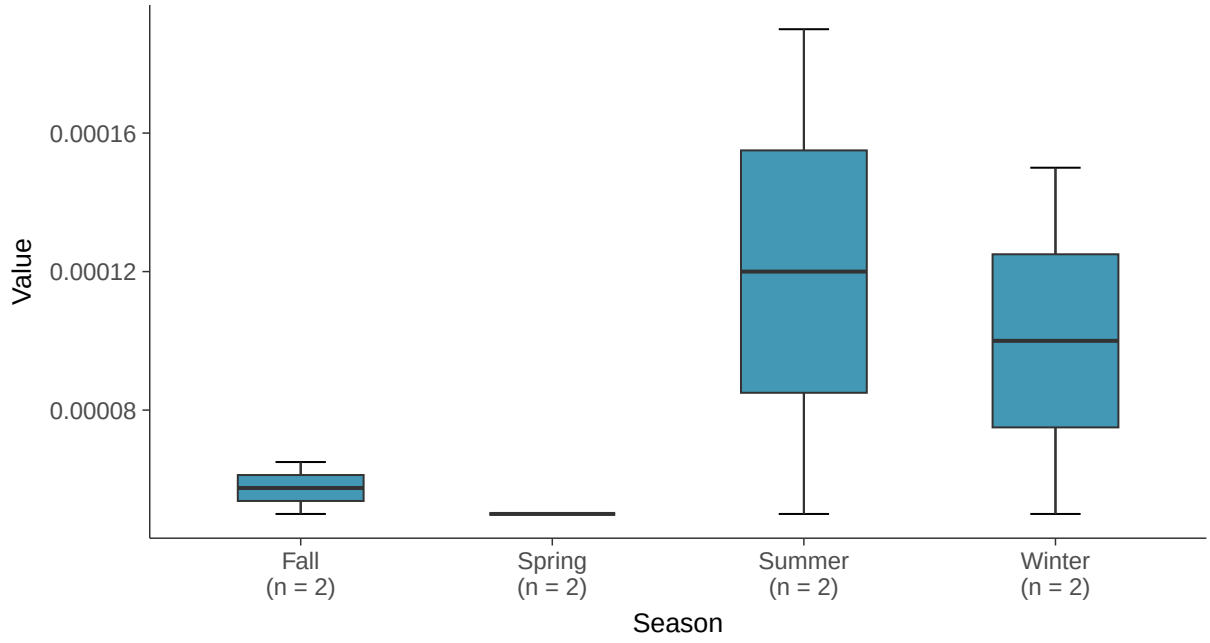
Boxplot

Silver, MW-38 (mg/L)



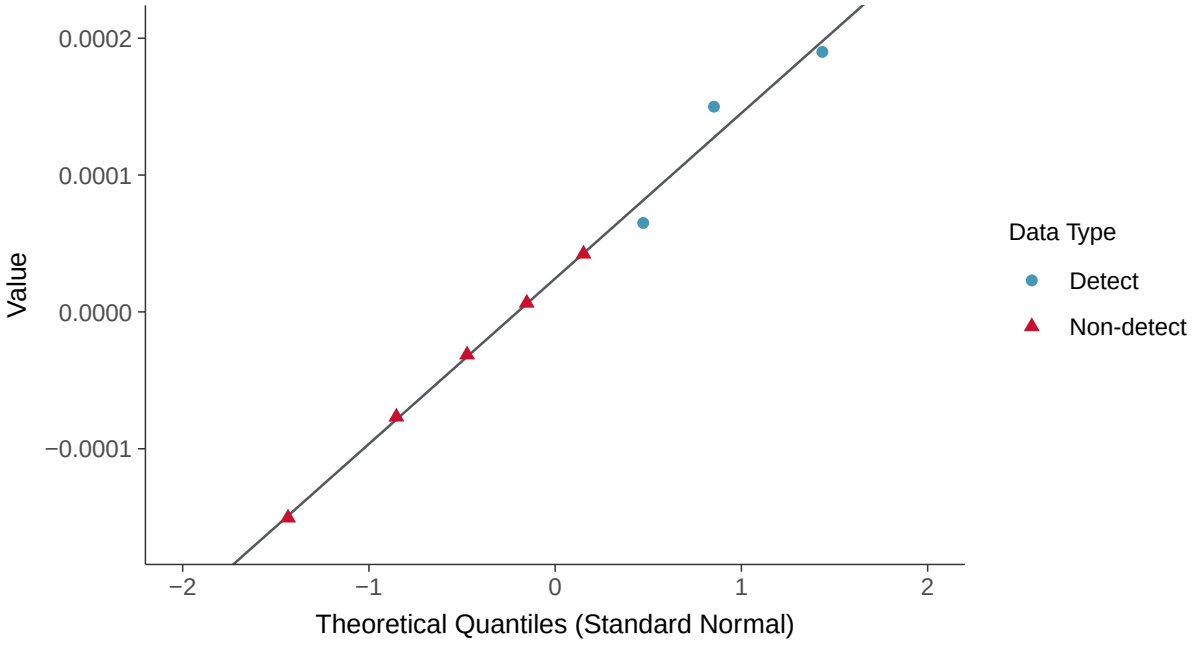
Boxplot by Season

Silver, MW-38 (mg/L)



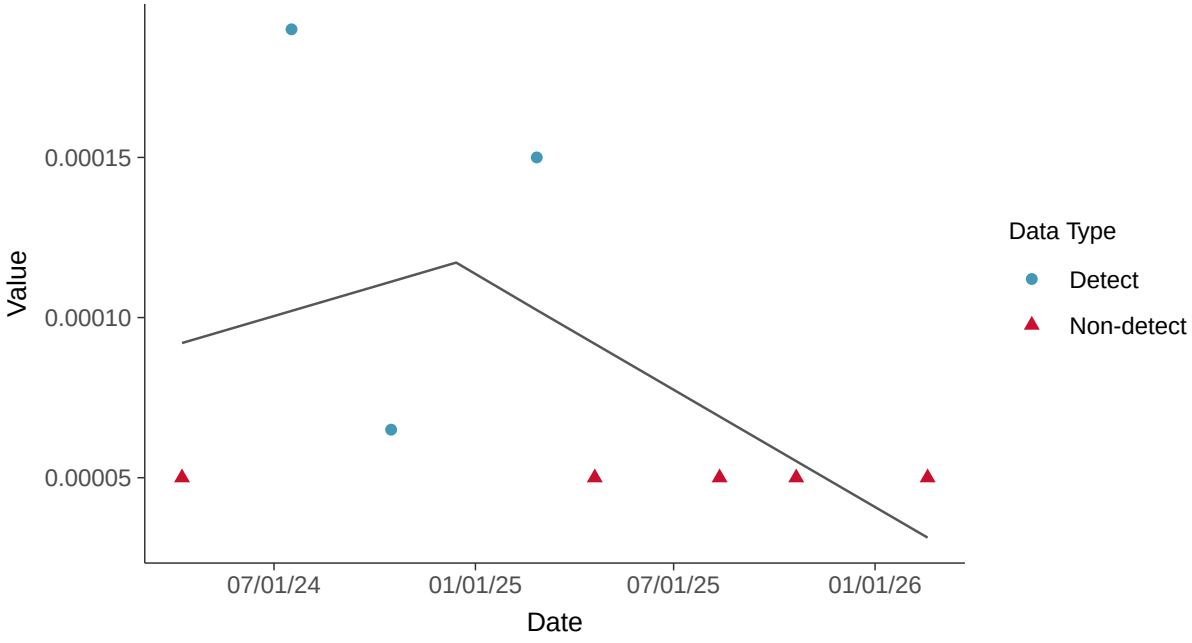
Normal Q-Q plot using ROS Imputed Estimates

Silver, MW-38 (mg/L)



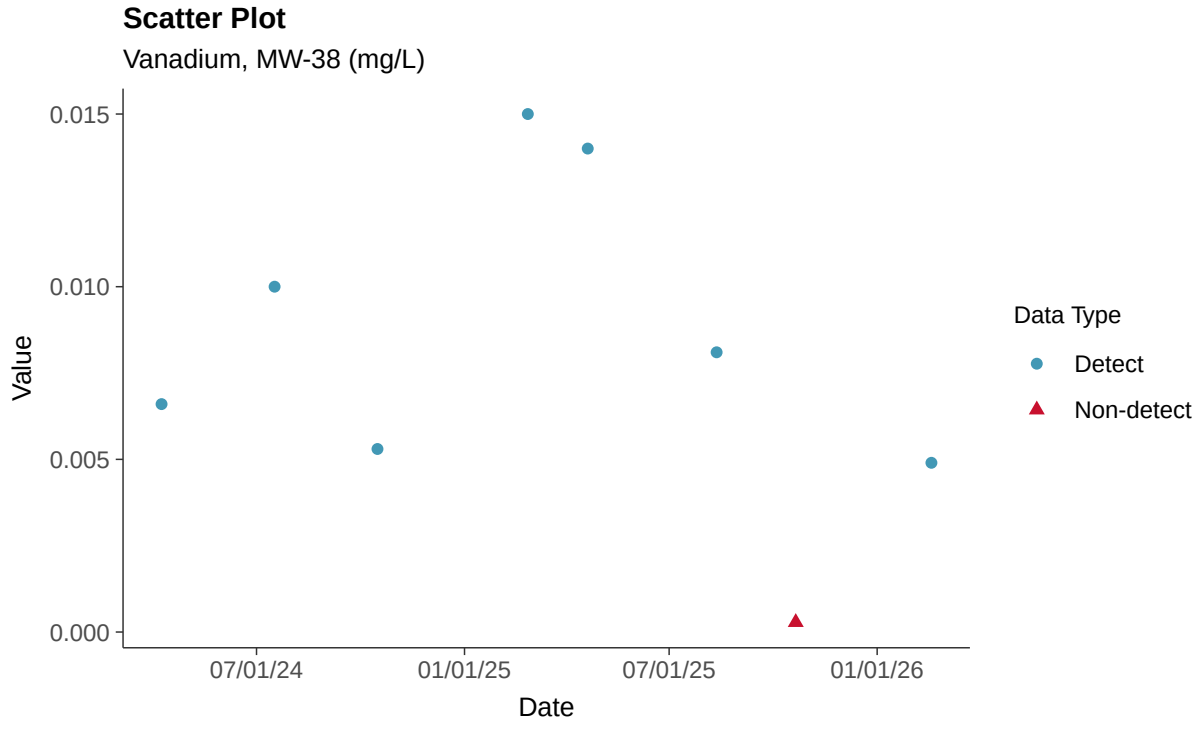
Trend Regression: Piecewise Linear-Linear

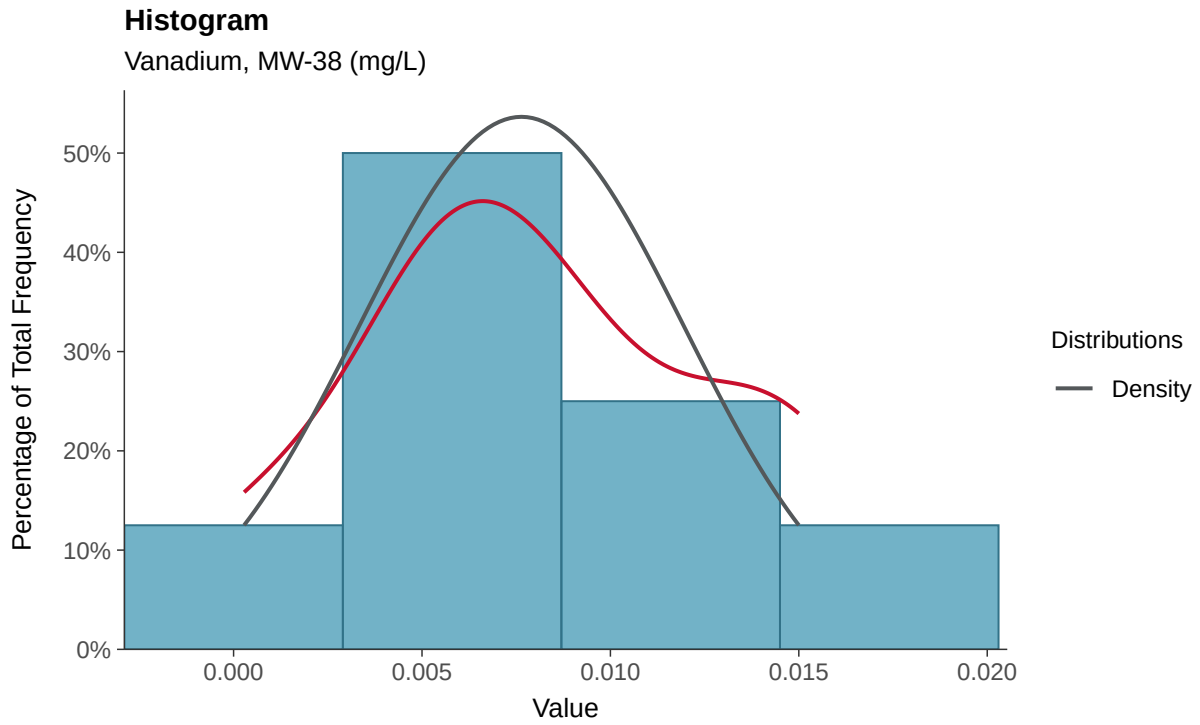
Silver, MW-38 (mg/L)



Part 115: Vanadium, MW-38

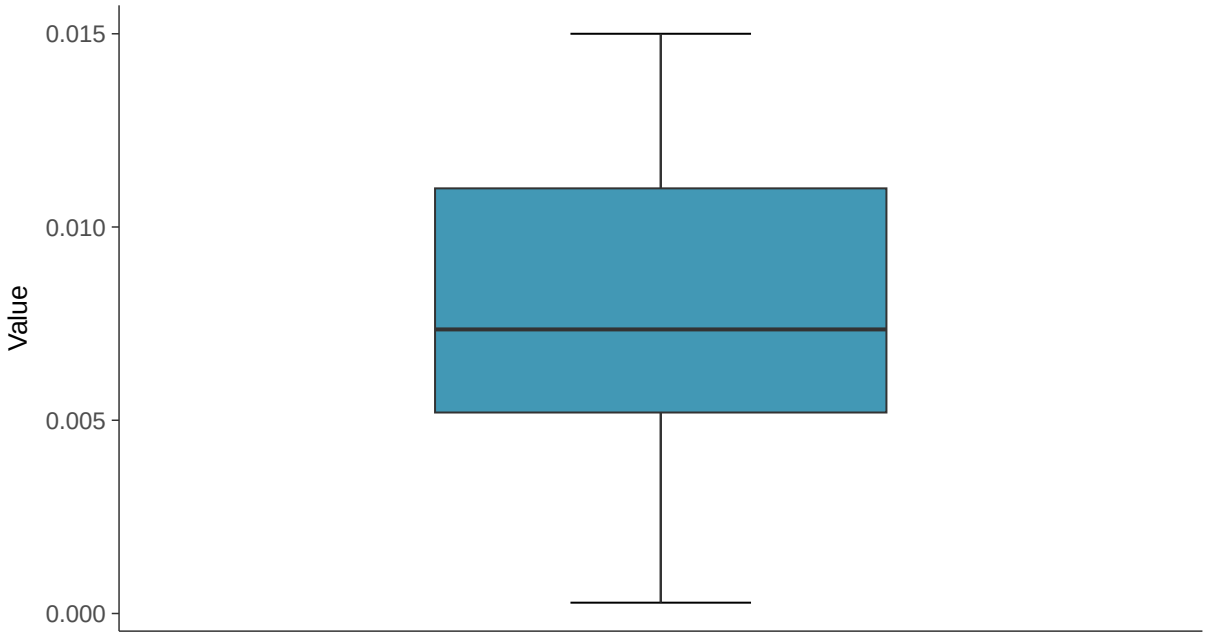
ID: 48_2_5_128





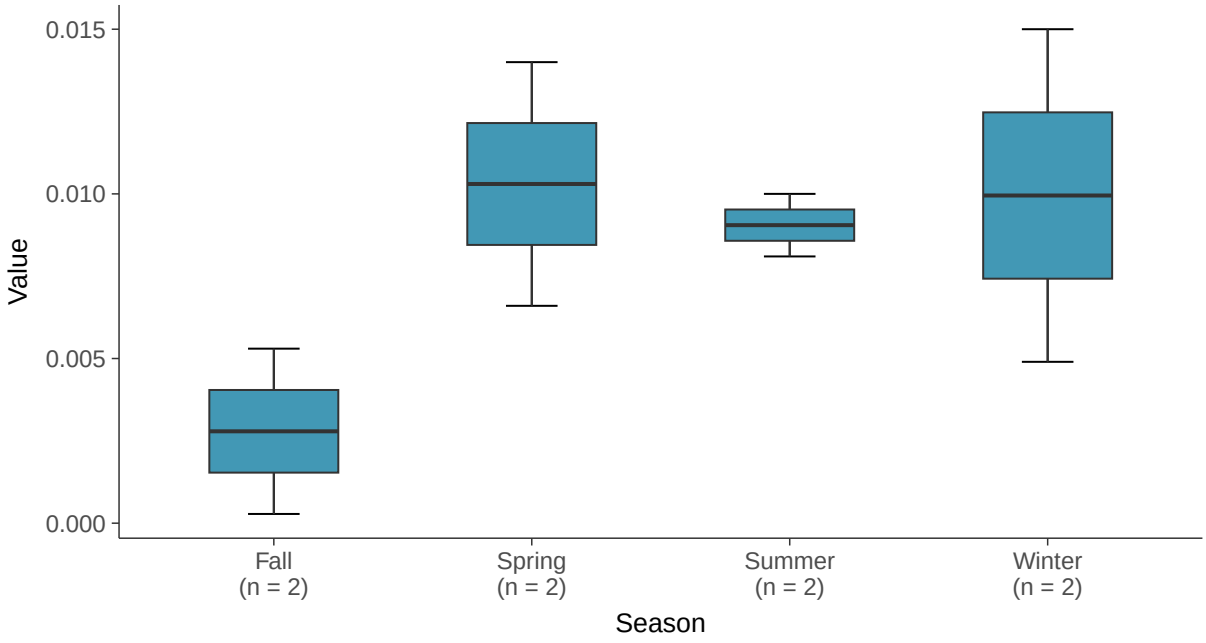
Boxplot

Vanadium, MW-38 (mg/L)



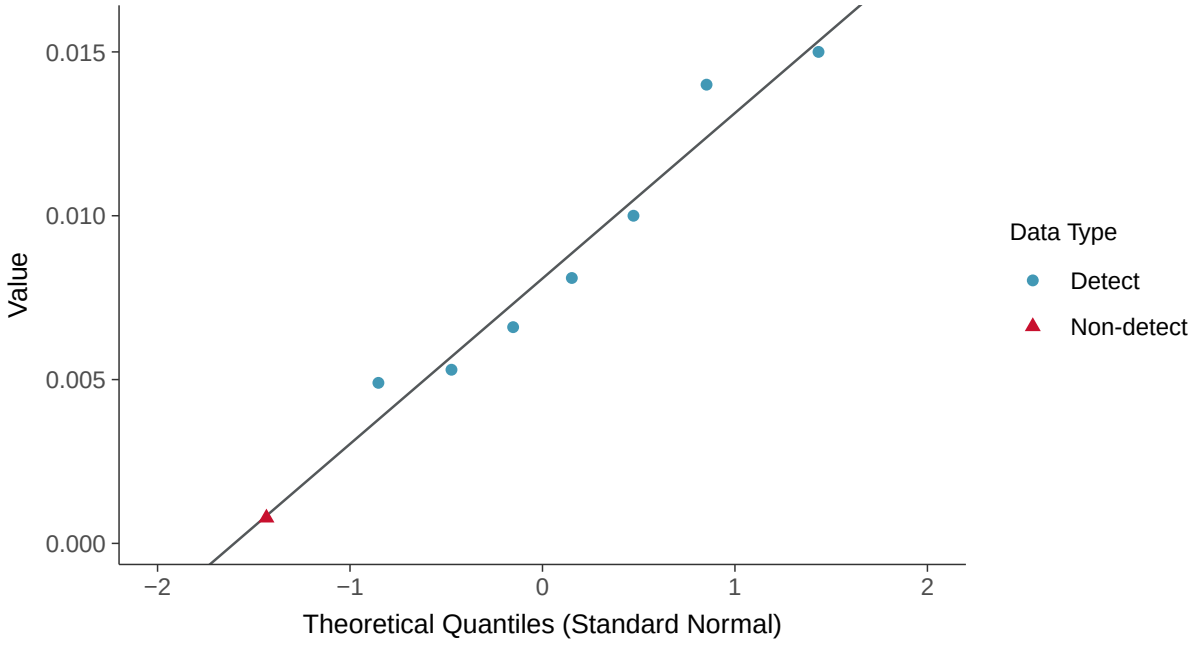
Boxplot by Season

Vanadium, MW-38 (mg/L)



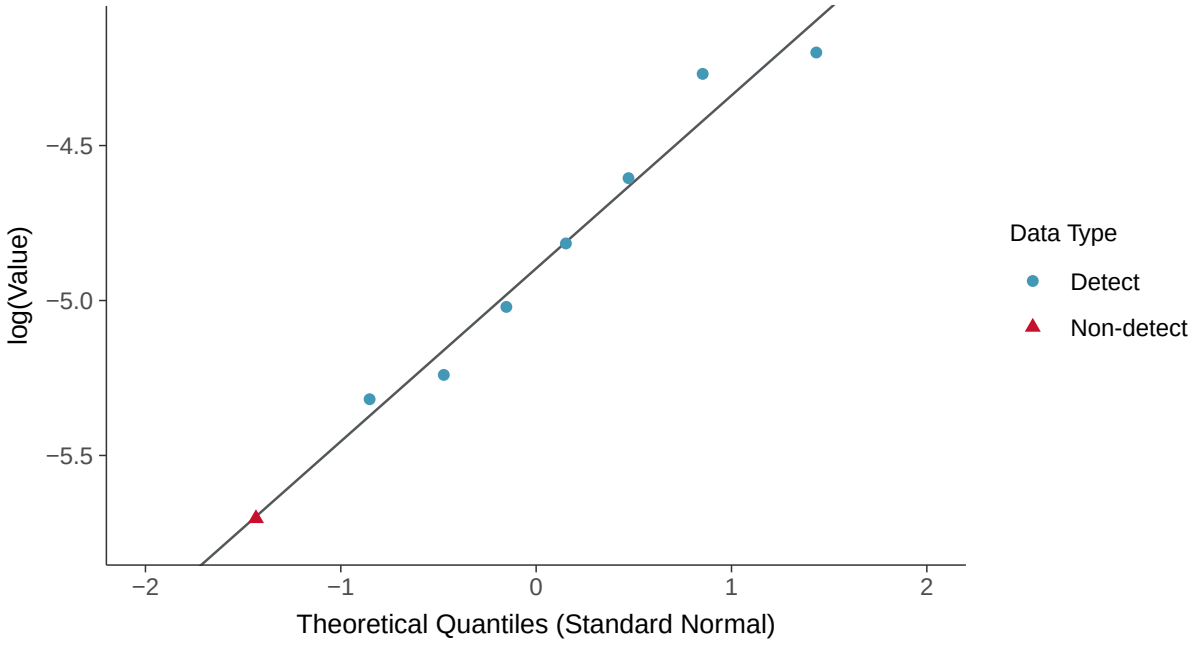
Normal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-38 (mg/L)



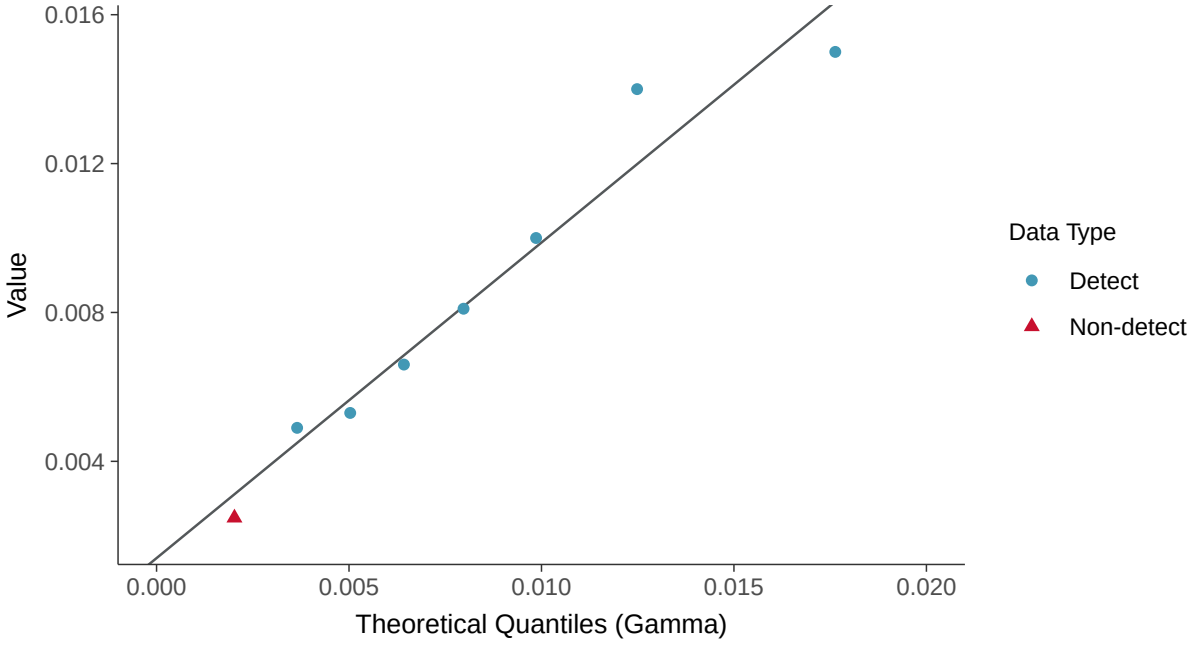
Lognormal Q-Q plot using ROS Imputed Estimates

Vanadium, MW-38 (mg/L)



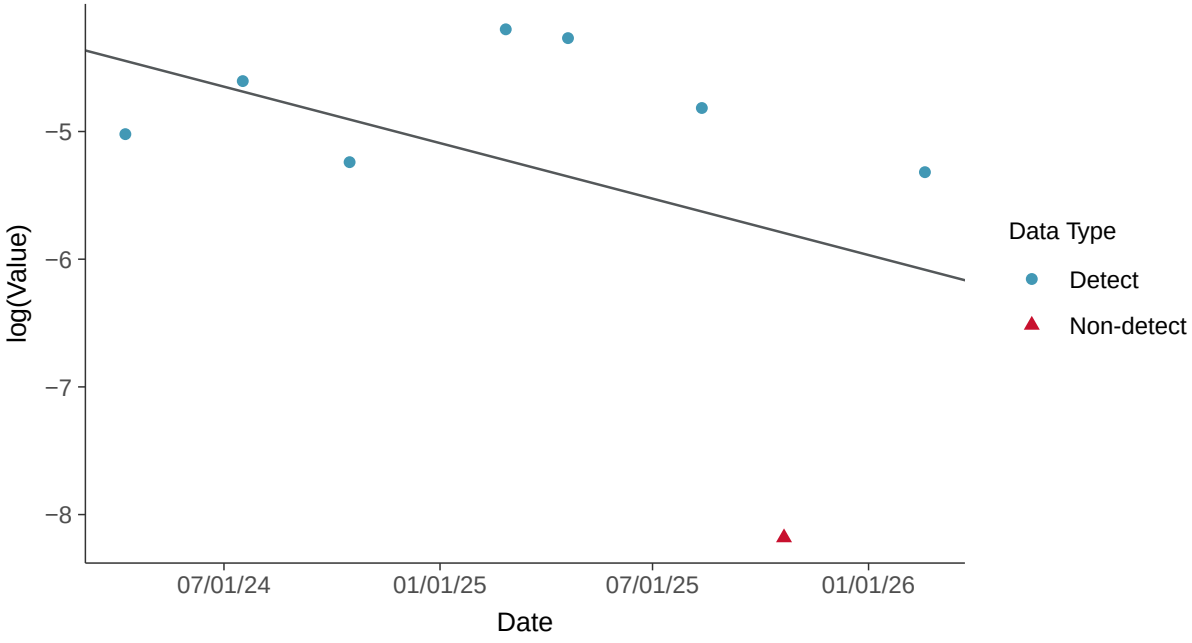
Gamma Q-Q plot using ROS Imputed Estimates

Vanadium, MW-38 (mg/L)



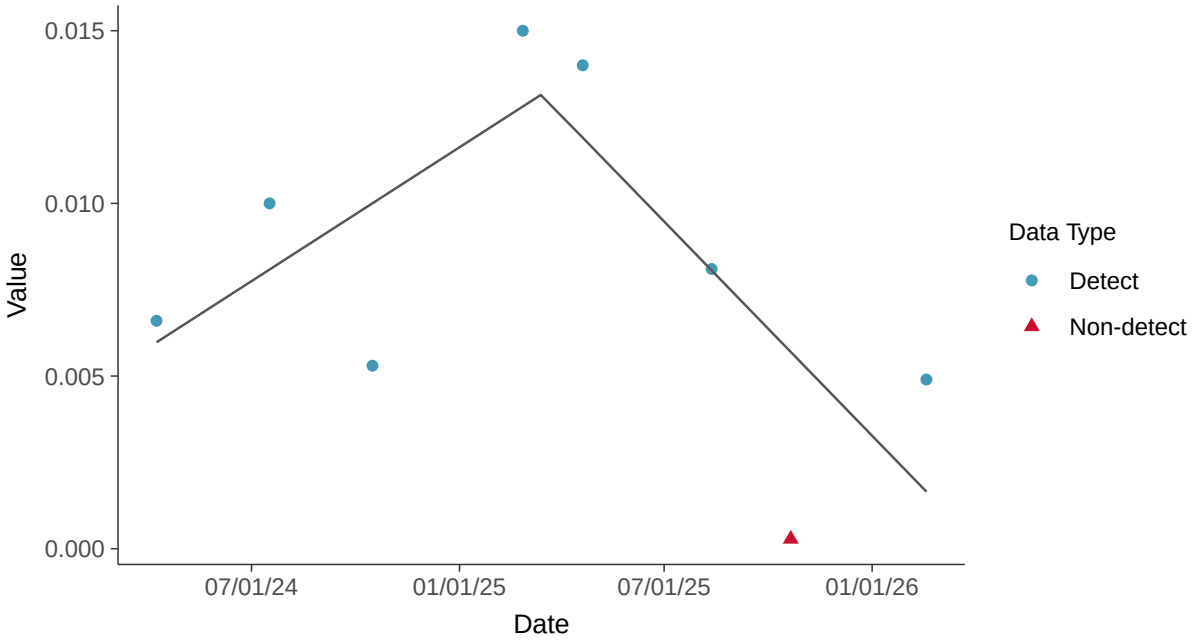
Trend Regression: Lognormal MLE

Vanadium, MW-38 (mg/L)



Trend Regression: Piecewise Linear-Linear

Vanadium, MW-38 (mg/L)

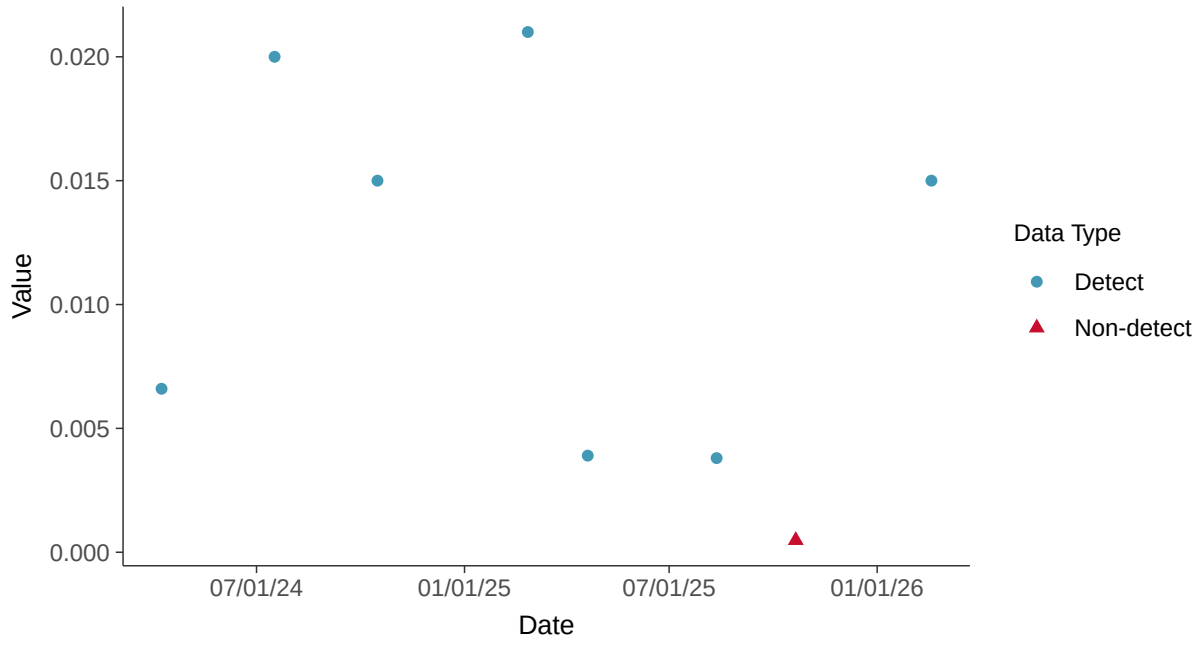


Part 115: Zinc, MW-38

ID: 48_2_5_129

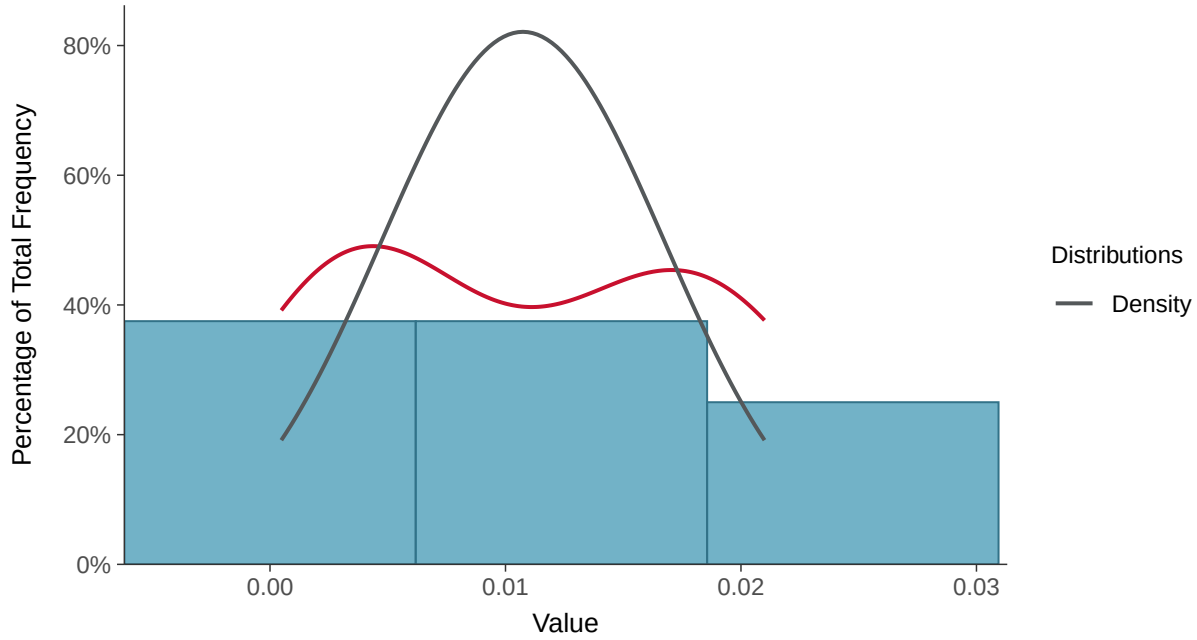
Scatter Plot

Zinc, MW-38 (mg/L)



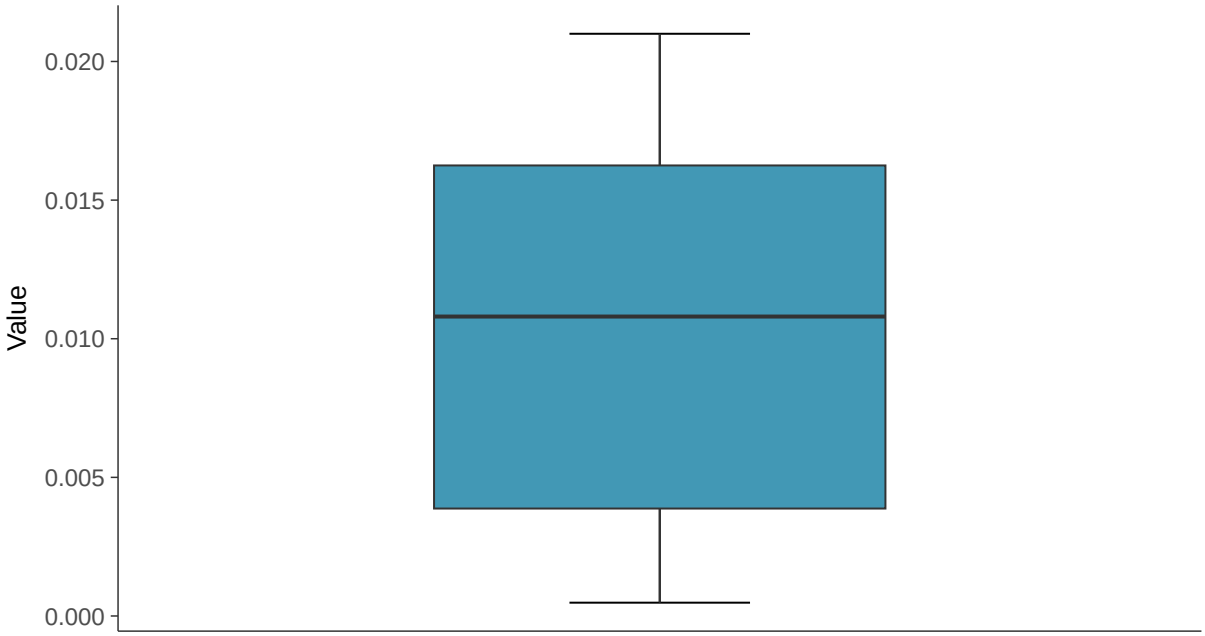
Histogram

Zinc, MW-38 (mg/L)



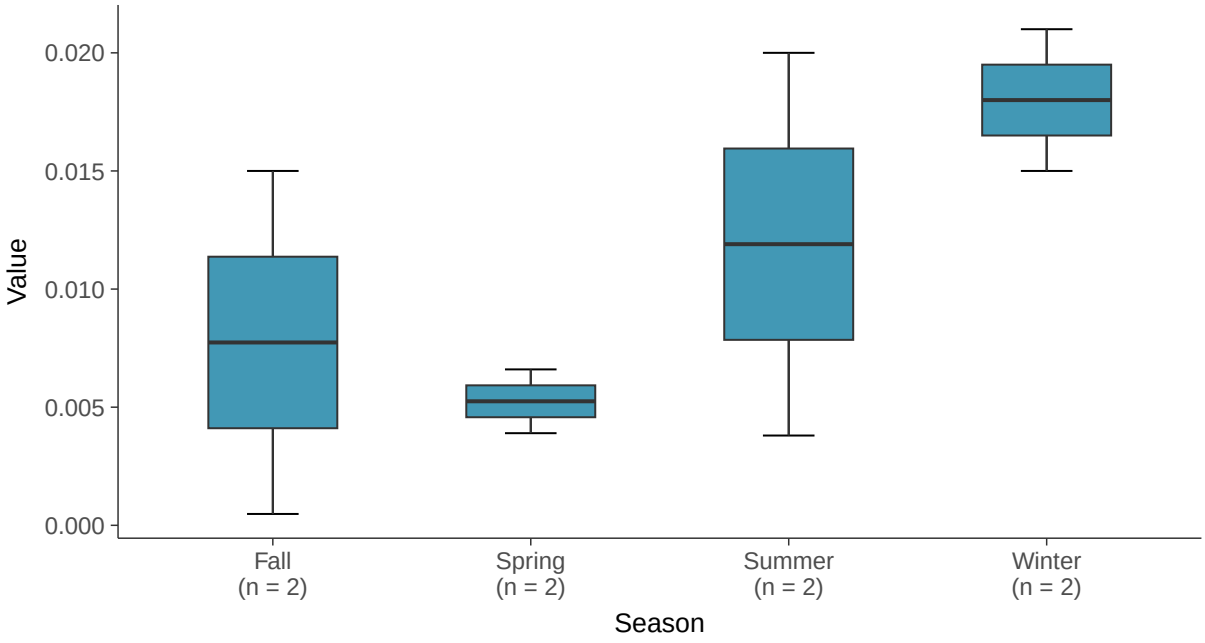
Boxplot

Zinc, MW-38 (mg/L)



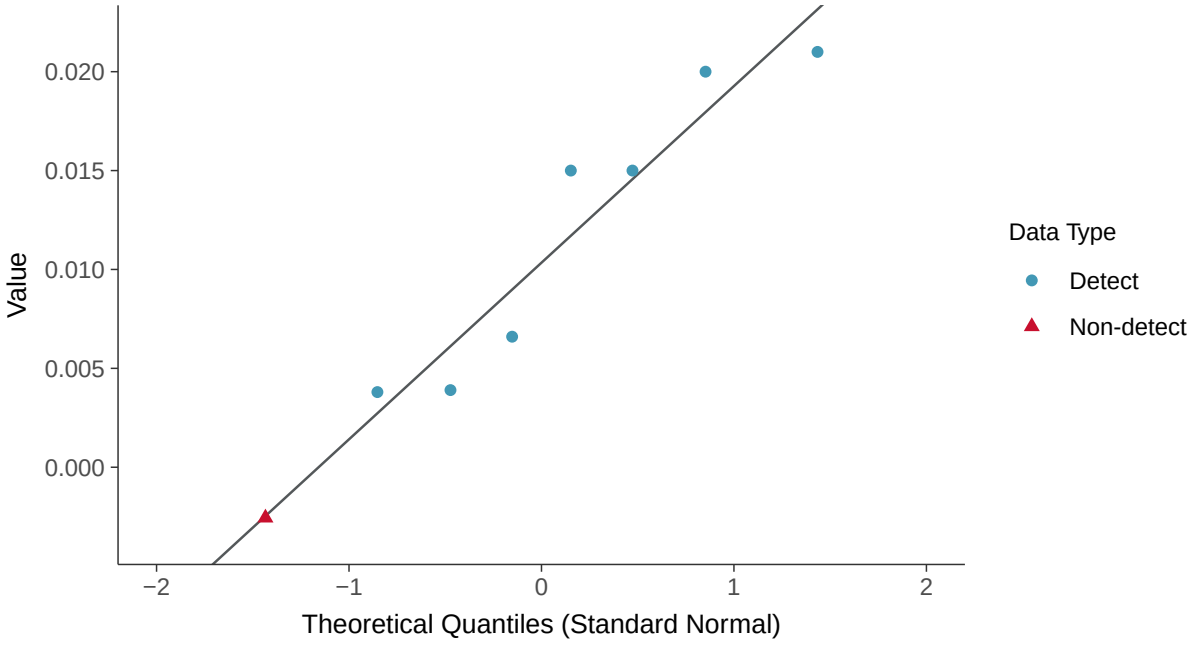
Boxplot by Season

Zinc, MW-38 (mg/L)



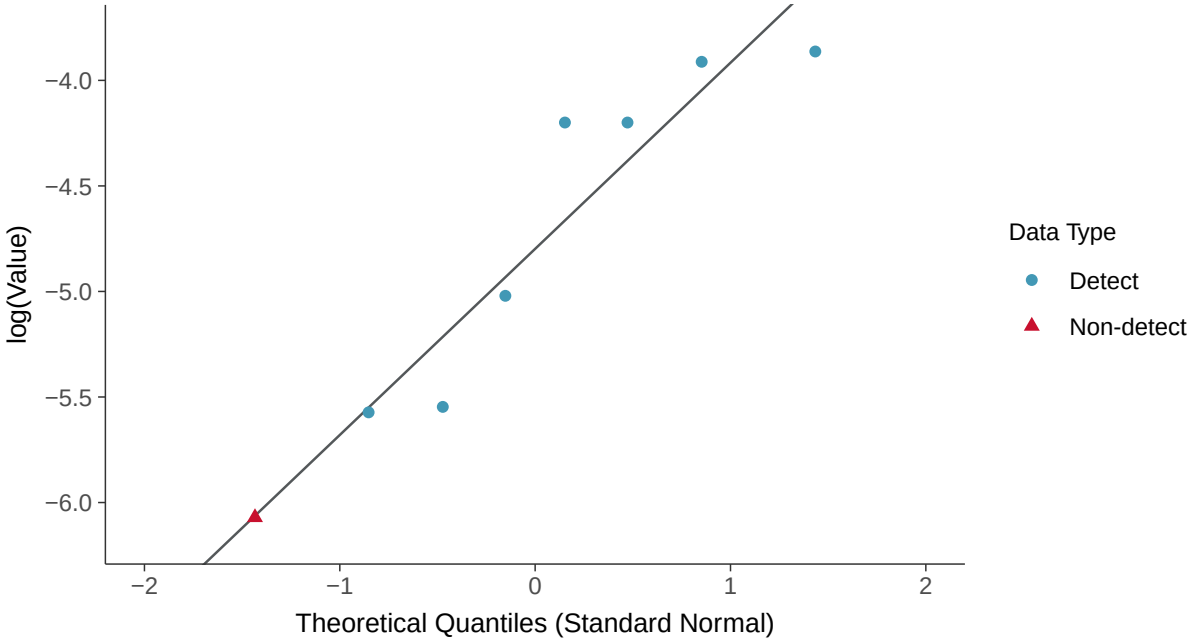
Normal Q-Q plot using ROS Imputed Estimates

Zinc, MW-38 (mg/L)



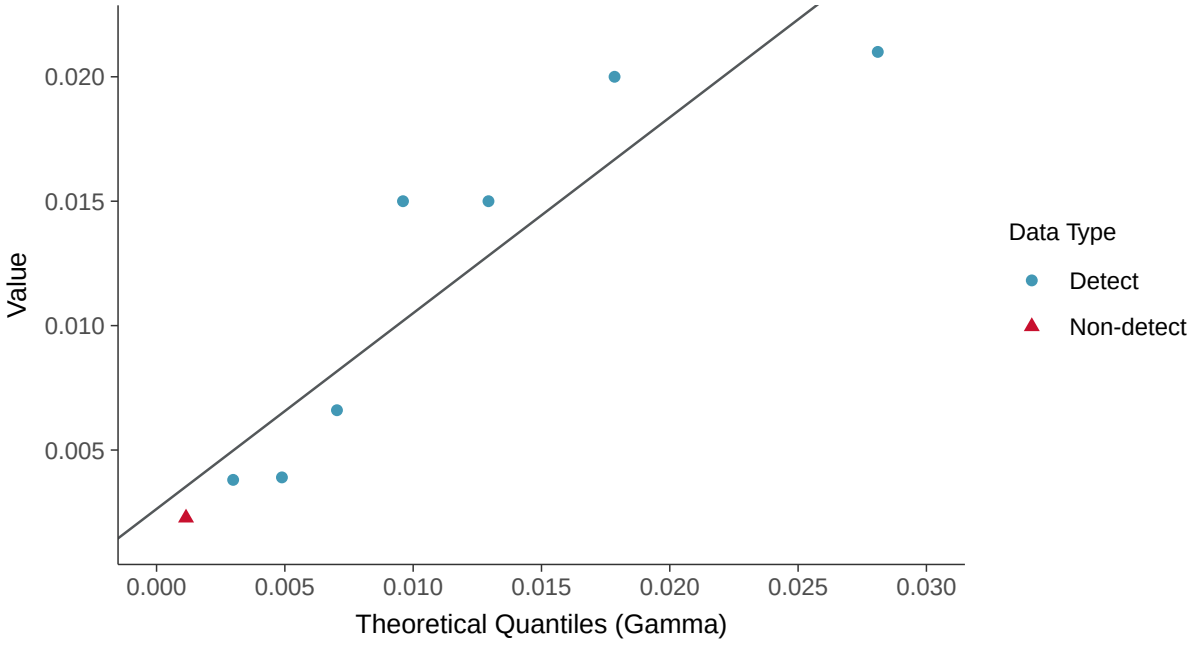
Lognormal Q-Q plot using ROS Imputed Estimates

Zinc, MW-38 (mg/L)



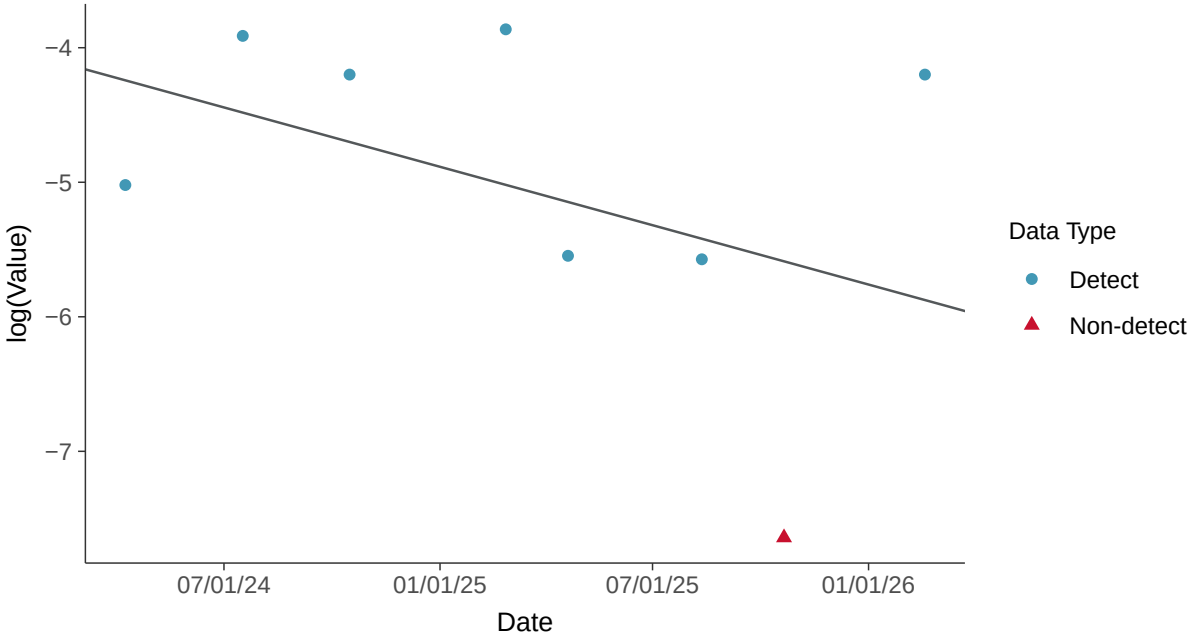
Gamma Q-Q plot using ROS Imputed Estimates

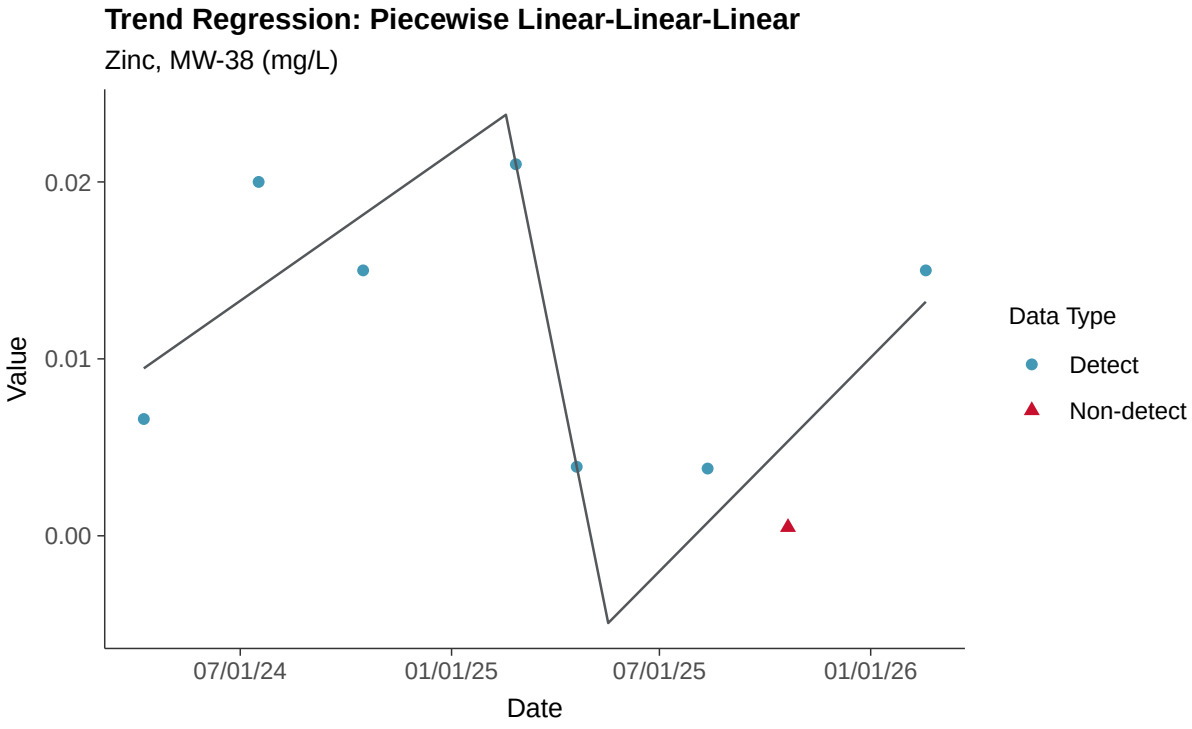
Zinc, MW-38 (mg/L)



Trend Regression: Lognormal MLE

Zinc, MW-38 (mg/L)




Trend Regression: Piecewise Linear-Linear-Linear
Zinc, MW-38 (mg/L)
Value
0.02
0.01
0.00
07/01/24
01/01/25
07/01/25
01/01/26
Date
Data Type
Detect
Non-detect

Grand Haven, Downgradient Wells
95% Lower Confidence Limits

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	LCL	Method
11_2_3_105	MW-01R	Appendix III	Boron	mg/L	18	0	0%	2022-11-29 to 2026-02-19	97	Normal LCL
11_2_3_107	MW-01R	Appendix III	Calcium	mg/L	18	0	0%	2022-11-29 to 2026-02-19	200	Normal LCL
11_2_3_108	MW-01R	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-29 to 2026-02-19	110	Normal LCL
11_2_3_112	MW-01R	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-29 to 2026-02-19	11	Normal LCL
11_2_3_120	MW-01R	Appendix III	pH (field)	su	18	0	0%	2022-11-29 to 2026-02-19	7.7	Nonparametric LCL around the Median
11_2_3_124	MW-01R	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-29 to 2026-02-19	290	Adjusted Gamma LCL
11_2_3_126	MW-01R	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-29 to 2026-02-19	2300	Normal LCL
11_2_4_101	MW-01R	Appendix IV	Antimony	mg/L	18	3	17%	2022-11-29 to 2026-02-19	0.00022	Nonparametric LCL around the Median
11_2_4_102	MW-01R	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-29 to 2026-02-19	0.0013	Nonparametric LCL around the Median
11_2_4_103	MW-01R	Appendix IV	Barium	mg/L	18	0	0%	2022-11-29 to 2026-02-19	0.32	Normal LCL
11_2_4_104	MW-01R	Appendix IV	Beryllium	mg/L	18	2	11%	2022-11-29 to 2026-02-19	0.00015	Normal MLE LCL
11_2_4_106	MW-01R	Appendix IV	Cadmium	mg/L	18	13	72%	2022-11-29 to 2026-02-19	0.000075	Nonparametric LCL around the Median
11_2_4_109	MW-01R	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-29 to 2026-02-19	0.0023	Lognormal H-LCL
11_2_4_110	MW-01R	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-29 to 2026-02-19	0.0011	Nonparametric LCL around the Median
11_2_4_113	MW-01R	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-29 to 2026-02-19	11	Normal LCL
11_2_4_115	MW-01R	Appendix IV	Lead	mg/L	18	2	11%	2022-11-29 to 2026-02-19	0.00088	Lognormal MLE Likelihood Profile LCL
11_2_4_116	MW-01R	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-29 to 2026-02-19	2.1	Normal LCL
11_2_4_117	MW-01R	Appendix IV	Mercury	ng/L	18	15	83%	2022-11-29 to 2026-02-19	160	Nonparametric LCL around the Median
11_2_4_118	MW-01R	Appendix IV	Molybdenum	mg/L	18	2	11%	2022-11-29 to 2026-02-19	0.00075	Lognormal MLE Likelihood Profile LCL
11_2_4_121	MW-01R	Appendix IV	Radium 226 and 228	pCi/L	18	12	67%	2022-11-29 to 2026-02-19	0.75	Nonparametric LCL around the Median
11_2_4_122	MW-01R	Appendix IV	Selenium	mg/L	18	0	0%	2022-11-29 to 2026-02-19	0.00062	Lognormal H-LCL
11_2_4_125	MW-01R	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-29 to 2026-02-19	0.000075	Nonparametric LCL around the Median
11_2_5_111	MW-01R	Part 115	Copper	mg/L	18	6	33%	2022-11-29 to 2026-02-19	0.00020	Nonparametric LCL around the Median
11_2_5_114	MW-01R	Part 115	Iron	mg/L	18	0	0%	2022-11-29 to 2026-02-19	0.35	Adjusted Gamma LCL
11_2_5_119	MW-01R	Part 115	Nickel	mg/L	18	0	0%	2022-11-29 to 2026-02-19	0.0018	Nonparametric LCL around the Median
11_2_5_123	MW-01R	Part 115	Silver	mg/L	18	18	100%	2022-11-29 to 2026-02-19	0.000050	Nonparametric LCL around the Median
11_2_5_128	MW-01R	Part 115	Vanadium	mg/L	18	2	11%	2022-11-29 to 2026-02-19	0.0015	Normal MLE LCL
11_2_5_129	MW-01R	Part 115	Zinc	mg/L	18	3	17%	2022-11-29 to 2026-02-19	0.0012	Nonparametric LCL around the Median
12_2_3_105	MW-02	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-17	99	Lognormal H-LCL
12_2_3_107	MW-02	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	190	Normal LCL
12_2_3_108	MW-02	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	140	Nonparametric LCL around the Median
12_2_3_112	MW-02	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-17	9.5	Nonparametric LCL around the Median
12_2_3_120	MW-02	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-17	7.2	Normal LCL
12_2_3_124	MW-02	Appendix III	Sulfate (as SO4)	mg/L	18	10	56%	2022-11-28 to 2026-02-17	0.41	Nonparametric LCL around the Median
12_2_3_126	MW-02	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-17	1900	Normal LCL
12_2_4_101	MW-02	Appendix IV	Antimony	mg/L	18	3	17%	2022-11-28 to 2026-02-17	0.00019	Gamma MLE Normal Approx. LCL
12_2_4_102	MW-02	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.0066	Normal LCL
12_2_4_103	MW-02	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.43	Normal LCL
12_2_4_104	MW-02	Appendix IV	Beryllium	mg/L	18	1	6%	2022-11-28 to 2026-02-17	0.00021	Normal MLE LCL
12_2_4_106	MW-02	Appendix IV	Cadmium	mg/L	18	12	67%	2022-11-28 to 2026-02-17	0.000075	Nonparametric LCL around the Median
12_2_4_109	MW-02	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.035	Normal LCL
12_2_4_110	MW-02	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.0054	Normal LCL
12_2_4_113	MW-02	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	9.5	Nonparametric LCL around the Median
12_2_4_115	MW-02	Appendix IV	Lead	mg/L	18	1	6%	2022-11-28 to 2026-02-17	0.0022	Normal MLE LCL
12_2_4_116	MW-02	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	1.4	Adjusted Gamma LCL
12_2_4_117	MW-02	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-28 to 2026-02-17	160	Nonparametric LCL around the Median
12_2_4_118	MW-02	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.0052	Nonparametric LCL around the Median
12_2_4_121	MW-02	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	2022-11-28 to 2026-02-17	0.91	Normal MLE LCL
12_2_4_122	MW-02	Appendix IV	Selenium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.0011	Normal LCL
12_2_4_125	MW-02	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-28 to 2026-02-17	0.000075	Nonparametric LCL around the Median
12_2_5_111	MW-02	Part 115	Copper	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.0017	Normal LCL
12_2_5_114	MW-02	Part 115	Iron	mg/L	18	0	0%	2022-11-28 to 2026-02-17	22	Normal LCL
12_2_5_119	MW-02	Part 115	Nickel	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.021	Adjusted Gamma LCL
12_2_5_123	MW-02	Part 115	Silver	mg/L	18	18	100%	2022-11-28 to 2026-02-17	0.000050	Nonparametric LCL around the Median
12_2_5_128	MW-02	Part 115	Vanadium	mg/L	18	1	6%	2022-11-28 to 2026-02-17	0.0032	Normal MLE LCL
12_2_5_129	MW-02	Part 115	Zinc	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.0027	Nonparametric LCL around the Median
13_2_3_105	MW-03	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-19	4.0	Normal LCL
13_2_3_107	MW-03	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	340	Normal LCL
13_2_3_108	MW-03	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	130	Normal LCL
13_2_3_112	MW-03	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.60	Nonparametric LCL around the Median
13_2_3_120	MW-03	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-19	7.3	Normal LCL
13_2_3_124	MW-03	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	230	Adjusted Gamma LCL
13_2_3_126	MW-03	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-19	1800	Nonparametric LCL around the Median
13_2_4_101	MW-03	Appendix IV	Antimony	mg/L	18	12	67%	2022-11-28 to 2026-02-19	0.00010	Nonparametric LCL around the Median
13_2_4_102	MW-03	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.00080	Normal LCL
13_2_4_103	MW-03	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.32	Normal LCL
13_2_4_104	MW-03	Appendix IV	Beryllium	mg/L	18	11	61%	2022-11-28 to 2026-02-19	0.000052	Nonparametric LCL around the Median
13_2_4_106	MW-03	Appendix IV	Cadmium	mg/L	18	17	94%	2022-11-28 to 2026-02-19	0.000075	Nonparametric LCL around the Median
13_2_4_109	MW-03	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.0039	Normal LCL
13_2_4_110	MW-03	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.00063	Normal LCL
13_2_4_113	MW-03	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.60	Nonparametric LCL around the Median
13_2_4_115	MW-03	Appendix IV	Lead	mg/L	18	17	94%	2022-11-28 to 2026-02-19	0.00010	Nonparametric LCL around the Median
13_2_4_116	MW-03	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.034	Adjusted Gamma LCL
13_2_4_117	MW-03	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-28 to 2026-02-19	160	Nonparametric LCL around the Median
13_2_4_118	MW-03	Appendix IV	Molybdenum	mg/L	18	13	72%	2022-11-28 to 2026-02-19	0.00025	Nonparametric LCL around the Median
13_2_4_121	MW-03	Appendix IV	Radium 226 and 228	pCi/L	17	3	18%	2022-11-28 to 2026-02-19	0.84	Normal MLE LCL
13_2_4_122	MW-03	Appendix IV	Selenium	mg/L	18	3	17%	2022-11-28 to 2026-02-19	0.00033	Normal MLE LCL
13_2_4_125	MW-03	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-28 to 2026-02-19	0.000075	Nonparametric LCL around the Median
13_2_5_111	MW-03	Part 115	Copper	mg/L	18	9	50%	2022-11-28 to 2026-02-19	0.00020	Nonparametric LCL around the Median
13_2_5_114	MW-03	Part 115	Iron	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.84	Adjusted Gamma LCL
13_2_5_119	MW-03	Part 115	Nickel	mg/L	18	1	6%	2022-11-28 to 2026-02-19	0.0012	Nonparametric LCL around the Median
13_2_5_123	MW-03	Part 115	Silver	mg/L	18	18	100%	2022-11-28 to 2026-02-19	0.000050	Nonparametric LCL around the Median
13_2_5_128	MW-03	Part 115	Vanadium	mg/L	18	9	50%	2022-11-28 to 2026-02-19	0.00062	Nonparametric LCL around the Median
13_2_5_129	MW-03	Part 115	Zinc	mg/L	18	9	50%	2022-11-28 to 2026-02-19	0.0012	Nonparametric LCL around the Median
14_2_3_105	MW-04	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-19	3.8	Nonparametric LCL around the Median
14_2_3_107	MW-04	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	340	Normal LCL
14_2_3_108	MW-04	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	110	Normal LCL

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	LCL	Method
14_2_3_112	MW-04	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-19	1.3	Lognormal H-LCL
14_2_3_120	MW-04	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-19	7.3	Nonparametric LCL around the Median
14_2_3_124	MW-04	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	520	Normal LCL
14_2_3_126	MW-04	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-19	1800	Nonparametric LCL around the Median
14_2_4_101	MW-04	Appendix IV	Antimony	mg/L	18	12	67%	2022-11-28 to 2026-02-19	0.00010	Nonparametric LCL around the Median
14_2_4_102	MW-04	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.00088	Nonparametric LCL around the Median
14_2_4_103	MW-04	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.11	Nonparametric LCL around the Median
14_2_4_104	MW-04	Appendix IV	Beryllium	mg/L	18	15	83%	2022-11-28 to 2026-02-19	0.000052	Nonparametric LCL around the Median
14_2_4_106	MW-04	Appendix IV	Cadmium	mg/L	18	18	100%	2022-11-28 to 2026-02-19	0.000075	Nonparametric LCL around the Median
14_2_4_109	MW-04	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.0029	Normal LCL
14_2_4_110	MW-04	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.00045	Lognormal H-LCL
14_2_4_113	MW-04	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-19	1.3	Lognormal H-LCL
14_2_4_115	MW-04	Appendix IV	Lead	mg/L	18	15	83%	2022-11-28 to 2026-02-19	0.00022	Nonparametric LCL around the Median
14_2_4_116	MW-04	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.054	Normal LCL
14_2_4_117	MW-04	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-28 to 2026-02-19	160	Nonparametric LCL around the Median
14_2_4_118	MW-04	Appendix IV	Molybdenum	mg/L	18	2	11%	2022-11-28 to 2026-02-19	0.00086	Nonparametric LCL around the Median
14_2_4_121	MW-04	Appendix IV	Radium 226 and 228	pCi/L	18	6	33%	2022-11-28 to 2026-02-19	0.67	Normal MLE LCL
14_2_4_122	MW-04	Appendix IV	Selenium	mg/L	18	5	28%	2022-11-28 to 2026-02-19	0.00019	Gamma MLE Normal Approx. LCL
14_2_4_125	MW-04	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-28 to 2026-02-19	0.000075	Nonparametric LCL around the Median
14_2_5_111	MW-04	Part 115	Copper	mg/L	18	13	72%	2022-11-28 to 2026-02-19	0.00020	Nonparametric LCL around the Median
14_2_5_114	MW-04	Part 115	Iron	mg/L	18	0	0%	2022-11-28 to 2026-02-19	5.0	Nonparametric LCL around the Median
14_2_5_119	MW-04	Part 115	Nickel	mg/L	18	0	0%	2022-11-28 to 2026-02-19	0.011	Normal LCL
14_2_5_123	MW-04	Part 115	Silver	mg/L	18	18	100%	2022-11-28 to 2026-02-19	0.000050	Nonparametric LCL around the Median
14_2_5_128	MW-04	Part 115	Vanadium	mg/L	18	10	56%	2022-11-28 to 2026-02-19	0.00062	Nonparametric LCL around the Median
14_2_5_129	MW-04	Part 115	Zinc	mg/L	18	10	56%	2022-11-28 to 2026-02-19	0.0012	Nonparametric LCL around the Median
16_1_3_105	MW-06	Appendix III	Boron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	8.8	Normal LCL
16_1_3_107	MW-06	Appendix III	Calcium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	230	Normal LCL
16_1_3_108	MW-06	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	52	Normal LCL
16_1_3_112	MW-06	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-29 to 2026-02-17	1.1	Normal LCL
16_1_3_120	MW-06	Appendix III	pH (field)	su	18	0	0%	2022-11-29 to 2026-02-17	7.3	Nonparametric LCL around the Median
16_1_3_124	MW-06	Appendix III	Sulfate (as SO4)	mg/L	18	2	11%	2022-11-29 to 2026-02-17	5.8	Normal MLE LCL
16_1_3_126	MW-06	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-29 to 2026-02-17	1200	Nonparametric LCL around the Median
16_1_4_101	MW-06	Appendix IV	Antimony	mg/L	18	16	89%	2022-11-29 to 2026-02-17	0.00010	Nonparametric LCL around the Median
16_1_4_102	MW-06	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.00060	Normal LCL
16_1_4_103	MW-06	Appendix IV	Barium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	1.4	Nonparametric LCL around the Median
16_1_4_104	MW-06	Appendix IV	Beryllium	mg/L	18	16	89%	2022-11-29 to 2026-02-17	0.000052	Nonparametric LCL around the Median
16_1_4_106	MW-06	Appendix IV	Cadmium	mg/L	18	18	100%	2022-11-29 to 2026-02-17	0.000075	Nonparametric LCL around the Median
16_1_4_109	MW-06	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.0014	Adjusted Gamma LCL
16_1_4_110	MW-06	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.00044	Adjusted Gamma LCL
16_1_4_113	MW-06	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	1.1	Normal LCL
16_1_4_115	MW-06	Appendix IV	Lead	mg/L	18	10	56%	2022-11-29 to 2026-02-17	0.00011	Nonparametric LCL around the Median
16_1_4_116	MW-06	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.16	Normal LCL
16_1_4_117	MW-06	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-29 to 2026-02-17	160	Nonparametric LCL around the Median
16_1_4_118	MW-06	Appendix IV	Molybdenum	mg/L	18	10	56%	2022-11-29 to 2026-02-17	0.00025	Nonparametric LCL around the Median
16_1_4_121	MW-06	Appendix IV	Radium 226 and 228	pCi/L	18	3	17%	2022-11-29 to 2026-02-17	0.72	Gamma MLE Normal Approx. LCL
16_1_4_122	MW-06	Appendix IV	Selenium	mg/L	18	5	28%	2022-11-29 to 2026-02-17	0.00021	Nonparametric LCL around the Median
16_1_4_125	MW-06	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-29 to 2026-02-17	0.000075	Nonparametric LCL around the Median
16_1_5_111	MW-06	Part 115	Copper	mg/L	18	13	72%	2022-11-29 to 2026-02-17	0.00020	Nonparametric LCL around the Median
16_1_5_114	MW-06	Part 115	Iron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	13	Normal LCL
16_1_5_119	MW-06	Part 115	Nickel	mg/L	18	6	33%	2022-11-29 to 2026-02-17	0.00063	Normal MLE LCL
16_1_5_123	MW-06	Part 115	Silver	mg/L	18	18	100%	2022-11-29 to 2026-02-17	0.000050	Nonparametric LCL around the Median
16_1_5_128	MW-06	Part 115	Vanadium	mg/L	18	14	78%	2022-11-29 to 2026-02-17	0.00062	Nonparametric LCL around the Median
16_1_5_129	MW-06	Part 115	Zinc	mg/L	18	2	11%	2022-11-29 to 2026-02-17	0.0013	Nonparametric LCL around the Median
17_1_3_105	MW-07	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	11	Normal LCL
17_1_3_107	MW-07	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	140	Normal LCL
17_1_3_108	MW-07	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	14	Nonparametric LCL around the Median
17_1_3_112	MW-07	Appendix III	Fluoride	mg/L	18	4	22%	2022-11-30 to 2026-02-19	0.083	Normal MLE LCL
17_1_3_120	MW-07	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-19	6.9	Nonparametric LCL around the Median
17_1_3_124	MW-07	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	23	Normal LCL
17_1_3_126	MW-07	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-19	630	Normal LCL
17_1_4_101	MW-07	Appendix IV	Antimony	mg/L	18	17	94%	2022-11-30 to 2026-02-19	0.00010	Nonparametric LCL around the Median
17_1_4_102	MW-07	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.00018	Normal LCL
17_1_4_103	MW-07	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.34	Normal LCL
17_1_4_104	MW-07	Appendix IV	Beryllium	mg/L	18	13	72%	2022-11-30 to 2026-02-19	0.000052	Nonparametric LCL around the Median
17_1_4_106	MW-07	Appendix IV	Cadmium	mg/L	18	18	100%	2022-11-30 to 2026-02-19	0.000075	Nonparametric LCL around the Median
17_1_4_109	MW-07	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.00032	Adjusted Gamma LCL
17_1_4_110	MW-07	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.00088	Normal LCL
17_1_4_113	MW-07	Appendix IV	Fluoride (App IV)	mg/L	18	4	22%	2022-11-30 to 2026-02-19	0.083	Normal MLE LCL
17_1_4_115	MW-07	Appendix IV	Lead	mg/L	18	18	100%	2022-11-30 to 2026-02-19	0.00010	Nonparametric LCL around the Median
17_1_4_116	MW-07	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.0055	Normal LCL
17_1_4_117	MW-07	Appendix IV	Mercury	ng/L	18	17	94%	2022-11-30 to 2026-02-19	160	Nonparametric LCL around the Median
17_1_4_118	MW-07	Appendix IV	Molybdenum	mg/L	18	18	100%	2022-11-30 to 2026-02-19	0.00025	Nonparametric LCL around the Median
17_1_4_121	MW-07	Appendix IV	Radium 226 and 228	pCi/L	18	2	11%	2022-11-30 to 2026-02-19	0.82	Gamma MLE Normal Approx. LCL
17_1_4_122	MW-07	Appendix IV	Selenium	mg/L	18	9	50%	2022-11-30 to 2026-02-19	0.00011	Nonparametric LCL around the Median
17_1_4_125	MW-07	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-30 to 2026-02-19	0.000075	Nonparametric LCL around the Median
17_1_5_111	MW-07	Part 115	Copper	mg/L	18	14	78%	2022-11-30 to 2026-02-19	0.00020	Nonparametric LCL around the Median
17_1_5_114	MW-07	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	16	Normal LCL
17_1_5_119	MW-07	Part 115	Nickel	mg/L	18	14	78%	2022-11-30 to 2026-02-19	0.00065	Nonparametric LCL around the Median
17_1_5_123	MW-07	Part 115	Silver	mg/L	18	18	100%	2022-11-30 to 2026-02-19	0.000050	Nonparametric LCL around the Median
17_1_5_128	MW-07	Part 115	Vanadium	mg/L	18	12	67%	2022-11-30 to 2026-02-19	0.00062	Nonparametric LCL around the Median
17_1_5_129	MW-07	Part 115	Zinc	mg/L	18	10	56%	2022-11-30 to 2026-02-19	0.0012	Nonparametric LCL around the Median
18_1_3_105	MW-08	Appendix III	Boron	mg/L	18	0	0%	2022-12-01 to 2026-02-18	5.4	Normal LCL
18_1_3_107	MW-08	Appendix III	Calcium	mg/L	18	0	0%	2022-12-01 to 2026-02-18	130	Normal LCL
18_1_3_108	MW-08	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-12-01 to 2026-02-18	25	Nonparametric LCL around the Median
18_1_3_112	MW-08	Appendix III	Fluoride	mg/L	18	0	0%	2022-12-01 to 2026-02-18	0.84	Normal LCL
18_1_3_120	MW-08	Appendix III	pH (field)	su	18	0	0%	2022-12-01 to 2026-02-18	7.2	Nonparametric LCL around the Median
18_1_3_124	MW-08	Appendix III	Sulfate (as SO4)	mg/L	18	5	28%	2022-12-01 to 2026-02-18	4.8	Gamma MLE Normal Approx. LCL
18_1_3_126	MW-08	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-12-01 to 2026-02-18	510	Normal LCL
18_1_4_101	MW-08	Appendix IV	Antimony	mg/L	18	10	56%	2022-12-01 to 2026-02-18	0.00010	Nonparametric LCL around the Median

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	LCL	Method
18_1_4_102	MW-08	Appendix IV	Arsenic	mg/L	18	0	0%	2022-12-01 to 2026-02-18	0.032	Normal LCL
18_1_4_103	MW-08	Appendix IV	Barium	mg/L	18	0	0%	2022-12-01 to 2026-02-18	1.1	Normal LCL
18_1_4_104	MW-08	Appendix IV	Beryllium	mg/L	18	17	94%	2022-12-01 to 2026-02-18	0.000052	Nonparametric LCL around the Median
18_1_4_106	MW-08	Appendix IV	Cadmium	mg/L	18	17	94%	2022-12-01 to 2026-02-18	0.000075	Nonparametric LCL around the Median
18_1_4_109	MW-08	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-12-01 to 2026-02-18	0.00066	Normal LCL
18_1_4_110	MW-08	Appendix IV	Cobalt	mg/L	18	0	0%	2022-12-01 to 2026-02-18	0.00043	Normal LCL
18_1_4_113	MW-08	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-12-01 to 2026-02-18	0.84	Normal LCL
18_1_4_115	MW-08	Appendix IV	Lead	mg/L	18	12	67%	2022-12-01 to 2026-02-18	0.00010	Nonparametric LCL around the Median
18_1_4_116	MW-08	Appendix IV	Lithium	mg/L	18	0	0%	2022-12-01 to 2026-02-18	0.088	Normal LCL
18_1_4_117	MW-08	Appendix IV	Mercury	ng/L	18	17	94%	2022-12-01 to 2026-02-18	160	Nonparametric LCL around the Median
18_1_4_118	MW-08	Appendix IV	Molybdenum	mg/L	18	1	6%	2022-12-01 to 2026-02-18	0.0010	Normal MLE LCL
18_1_4_121	MW-08	Appendix IV	Radium 226 and 228	pCi/L	18	5	28%	2022-12-01 to 2026-02-18	0.68	Normal MLE LCL
18_1_4_122	MW-08	Appendix IV	Selenium	mg/L	18	6	33%	2022-12-01 to 2026-02-18	0.00013	Lognormal MLE Likelihood Profile LCL
18_1_4_125	MW-08	Appendix IV	Thallium	mg/L	18	17	94%	2022-12-01 to 2026-02-18	0.000075	Nonparametric LCL around the Median
18_1_5_111	MW-08	Part 115	Copper	mg/L	18	6	33%	2022-12-01 to 2026-02-18	0.00018	Normal MLE LCL
18_1_5_114	MW-08	Part 115	Iron	mg/L	18	0	0%	2022-12-01 to 2026-02-18	15	Normal LCL
18_1_5_119	MW-08	Part 115	Nickel	mg/L	18	0	0%	2022-12-01 to 2026-02-18	0.0011	Nonparametric LCL around the Median
18_1_5_123	MW-08	Part 115	Silver	mg/L	18	18	100%	2022-12-01 to 2026-02-18	0.000050	Nonparametric LCL around the Median
18_1_5_128	MW-08	Part 115	Vanadium	mg/L	18	15	83%	2022-12-01 to 2026-02-18	0.00062	Nonparametric LCL around the Median
18_1_5_129	MW-08	Part 115	Zinc	mg/L	18	3	17%	2022-12-01 to 2026-02-18	0.0015	Nonparametric LCL around the Median
19_2_3_105	MW-09	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-17	5.4	Normal LCL
19_2_3_107	MW-09	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	360	Normal LCL
19_2_3_108	MW-09	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	21	Lognormal H-LCL
19_2_3_112	MW-09	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-17	2.4	Normal LCL
19_2_3_120	MW-09	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-17	7.1	Normal LCL
19_2_3_124	MW-09	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	430	Normal LCL
19_2_3_126	MW-09	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-17	1400	Normal LCL
19_2_4_101	MW-09	Appendix IV	Antimony	mg/L	18	12	67%	2022-11-28 to 2026-02-17	0.00010	Nonparametric LCL around the Median
19_2_4_102	MW-09	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.0018	Normal LCL
19_2_4_103	MW-09	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.22	Lognormal H-LCL
19_2_4_104	MW-09	Appendix IV	Beryllium	mg/L	18	13	72%	2022-11-28 to 2026-02-17	0.000052	Nonparametric LCL around the Median
19_2_4_106	MW-09	Appendix IV	Cadmium	mg/L	18	17	94%	2022-11-28 to 2026-02-17	0.000075	Nonparametric LCL around the Median
19_2_4_109	MW-09	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.0021	Normal LCL
19_2_4_110	MW-09	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.00041	Normal LCL
19_2_4_113	MW-09	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-17	2.4	Normal LCL
19_2_4_115	MW-09	Appendix IV	Lead	mg/L	18	17	94%	2022-11-28 to 2026-02-17	0.00010	Nonparametric LCL around the Median
19_2_4_116	MW-09	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.29	Normal LCL
19_2_4_117	MW-09	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-28 to 2026-02-17	160	Nonparametric LCL around the Median
19_2_4_118	MW-09	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.020	Normal LCL
19_2_4_121	MW-09	Appendix IV	Radium 226 and 228	pCi/L	18	16	89%	2022-11-28 to 2026-02-17	0.69	Nonparametric LCL around the Median
19_2_4_122	MW-09	Appendix IV	Selenium	mg/L	18	2	11%	2022-11-28 to 2026-02-17	0.00024	Nonparametric LCL around the Median
19_2_4_125	MW-09	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-28 to 2026-02-17	0.000075	Nonparametric LCL around the Median
19_2_5_111	MW-09	Part 115	Copper	mg/L	18	11	61%	2022-11-28 to 2026-02-17	0.00020	Nonparametric LCL around the Median
19_2_5_114	MW-09	Part 115	Iron	mg/L	18	0	0%	2022-11-28 to 2026-02-17	18	Normal LCL
19_2_5_119	MW-09	Part 115	Nickel	mg/L	18	0	0%	2022-11-28 to 2026-02-17	0.0018	Nonparametric LCL around the Median
19_2_5_123	MW-09	Part 115	Silver	mg/L	18	18	100%	2022-11-28 to 2026-02-17	0.000050	Nonparametric LCL around the Median
19_2_5_128	MW-09	Part 115	Vanadium	mg/L	18	15	83%	2022-11-28 to 2026-02-17	0.00062	Nonparametric LCL around the Median
19_2_5_129	MW-09	Part 115	Zinc	mg/L	18	8	44%	2022-11-28 to 2026-02-17	0.0022	Gamma MLE Normal Approx. LCL
20_3_3_105	MW-10	Appendix III	Boron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	15	Normal LCL
20_3_3_107	MW-10	Appendix III	Calcium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	250	Adjusted Gamma LCL
20_3_3_108	MW-10	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	250	Normal LCL
20_3_3_112	MW-10	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-29 to 2026-02-17	4.7	Normal LCL
20_3_3_120	MW-10	Appendix III	pH (field)	su	18	0	0%	2022-11-29 to 2026-02-17	7.6	Lognormal H-LCL
20_3_3_124	MW-10	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	410	Normal LCL
20_3_3_126	MW-10	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-29 to 2026-02-17	1800	Nonparametric LCL around the Median
20_3_4_101	MW-10	Appendix IV	Antimony	mg/L	18	14	78%	2022-11-29 to 2026-02-17	0.00010	Nonparametric LCL around the Median
20_3_4_102	MW-10	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.00061	Normal LCL
20_3_4_103	MW-10	Appendix IV	Barium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.28	Adjusted Gamma LCL
20_3_4_104	MW-10	Appendix IV	Beryllium	mg/L	18	8	44%	2022-11-29 to 2026-02-17	0.0000065	Normal MLE LCL
20_3_4_106	MW-10	Appendix IV	Cadmium	mg/L	18	18	100%	2022-11-29 to 2026-02-17	0.000075	Nonparametric LCL around the Median
20_3_4_109	MW-10	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.0032	Normal LCL
20_3_4_110	MW-10	Appendix IV	Cobalt	mg/L	18	1	6%	2022-11-29 to 2026-02-17	0.00035	Gamma MLE Normal Approx. LCL
20_3_4_113	MW-10	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	4.7	Normal LCL
20_3_4_115	MW-10	Appendix IV	Lead	mg/L	18	16	89%	2022-11-29 to 2026-02-17	0.00010	Nonparametric LCL around the Median
20_3_4_116	MW-10	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.86	Lognormal H-LCL
20_3_4_117	MW-10	Appendix IV	Mercury	ng/L	18	15	83%	2022-11-29 to 2026-02-17	160	Nonparametric LCL around the Median
20_3_4_118	MW-10	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.0022	Normal LCL
20_3_4_121	MW-10	Appendix IV	Radium 226 and 228	pCi/L	18	14	78%	2022-11-29 to 2026-02-17	0.73	Nonparametric LCL around the Median
20_3_4_122	MW-10	Appendix IV	Selenium	mg/L	18	1	6%	2022-11-29 to 2026-02-17	0.00031	Gamma MLE Normal Approx. LCL
20_3_4_125	MW-10	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-29 to 2026-02-17	0.000075	Nonparametric LCL around the Median
20_3_5_111	MW-10	Part 115	Copper	mg/L	18	15	83%	2022-11-29 to 2026-02-17	0.00020	Nonparametric LCL around the Median
20_3_5_114	MW-10	Part 115	Iron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	4.2	Normal LCL
20_3_5_119	MW-10	Part 115	Nickel	mg/L	18	7	39%	2022-11-29 to 2026-02-17	0.00065	Nonparametric LCL around the Median
20_3_5_123	MW-10	Part 115	Silver	mg/L	18	18	100%	2022-11-29 to 2026-02-17	0.000050	Nonparametric LCL around the Median
20_3_5_128	MW-10	Part 115	Vanadium	mg/L	18	12	67%	2022-11-29 to 2026-02-17	0.00062	Nonparametric LCL around the Median
20_3_5_129	MW-10	Part 115	Zinc	mg/L	18	7	39%	2022-11-29 to 2026-02-17	0.0012	Nonparametric LCL around the Median
21_2_3_105	MW-11	Appendix III	Boron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	5.1	Normal LCL
21_2_3_107	MW-11	Appendix III	Calcium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	220	Normal LCL
21_2_3_108	MW-11	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	62	Normal LCL
21_2_3_112	MW-11	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.53	Normal LCL
21_2_3_120	MW-11	Appendix III	pH (field)	su	18	0	0%	2022-11-29 to 2026-02-17	7.3	Normal LCL
21_2_3_124	MW-11	Appendix III	Sulfate (as SO4)	mg/L	18	7	39%	2022-11-29 to 2026-02-17	5.3	Gamma MLE Normal Approx. LCL
21_2_3_126	MW-11	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-29 to 2026-02-17	920	Normal LCL
21_2_4_101	MW-11	Appendix IV	Antimony	mg/L	18	13	72%	2022-11-29 to 2026-02-17	0.00010	Nonparametric LCL around the Median
21_2_4_102	MW-11	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.0016	Adjusted Gamma LCL
21_2_4_103	MW-11	Appendix IV	Barium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.58	Normal LCL
21_2_4_104	MW-11	Appendix IV	Beryllium	mg/L	18	13	72%	2022-11-29 to 2026-02-17	0.000052	Nonparametric LCL around the Median
21_2_4_106	MW-11	Appendix IV	Cadmium	mg/L	18	15	83%	2022-11-29 to 2026-02-17	0.000075	Nonparametric LCL around the Median
21_2_4_109	MW-11	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.00080	Nonparametric LCL around the Median

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	LCL	Method
21_2_4_110	MW-11	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.00051	Lognormal H-LCL
21_2_4_113	MW-11	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.53	Normal LCL
21_2_4_115	MW-11	Appendix IV	Lead	mg/L	18	3	17%	2022-11-29 to 2026-02-17	0.00041	Nonparametric LCL around the Median
21_2_4_116	MW-11	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.050	Normal LCL
21_2_4_117	MW-11	Appendix IV	Mercury	ng/L	18	13	72%	2022-11-29 to 2026-02-17	160	Nonparametric LCL around the Median
21_2_4_118	MW-11	Appendix IV	Molybdenum	mg/L	18	2	11%	2022-11-29 to 2026-02-17	0.00099	Normal MLE LCL
21_2_4_121	MW-11	Appendix IV	Radium 226 and 228	pCi/L	17	6	35%	2022-11-29 to 2026-02-17	0.62	Normal MLE LCL
21_2_4_122	MW-11	Appendix IV	Selenium	mg/L	18	3	17%	2022-11-29 to 2026-02-17	0.00019	Gamma MLE Normal Approx. LCL
21_2_4_125	MW-11	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-29 to 2026-02-17	0.000075	Nonparametric LCL around the Median
21_2_5_111	MW-11	Part 115	Copper	mg/L	18	4	22%	2022-11-29 to 2026-02-17	0.00024	Nonparametric LCL around the Median
21_2_5_114	MW-11	Part 115	Iron	mg/L	18	0	0%	2022-11-29 to 2026-02-17	6.4	Normal LCL
21_2_5_119	MW-11	Part 115	Nickel	mg/L	18	0	0%	2022-11-29 to 2026-02-17	0.0013	Nonparametric LCL around the Median
21_2_5_123	MW-11	Part 115	Silver	mg/L	18	15	83%	2022-11-29 to 2026-02-17	0.000050	Nonparametric LCL around the Median
21_2_5_128	MW-11	Part 115	Vanadium	mg/L	18	13	72%	2022-11-29 to 2026-02-17	0.00062	Nonparametric LCL around the Median
21_2_5_129	MW-11	Part 115	Zinc	mg/L	18	4	22%	2022-11-29 to 2026-02-17	0.0096	Gamma MLE Normal Approx. LCL
22_2_3_105	MW-12	Appendix III	Boron	mg/L	18	0	0%	2022-11-28 to 2026-02-18	0.28	Normal LCL
22_2_3_107	MW-12	Appendix III	Calcium	mg/L	18	0	0%	2022-11-28 to 2026-02-18	59	Normal LCL
22_2_3_108	MW-12	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-28 to 2026-02-18	17	Lognormal H-LCL
22_2_3_112	MW-12	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-28 to 2026-02-18	0.28	Lognormal H-LCL
22_2_3_120	MW-12	Appendix III	pH (field)	su	18	0	0%	2022-11-28 to 2026-02-18	7.5	Normal LCL
22_2_3_124	MW-12	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-28 to 2026-02-18	82	Normal LCL
22_2_3_126	MW-12	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-28 to 2026-02-18	250	Normal LCL
22_2_4_101	MW-12	Appendix IV	Antimony	mg/L	18	0	0%	2022-11-28 to 2026-02-18	0.00054	Normal LCL
22_2_4_102	MW-12	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-28 to 2026-02-18	0.0021	Normal LCL
22_2_4_103	MW-12	Appendix IV	Barium	mg/L	18	0	0%	2022-11-28 to 2026-02-18	0.037	Normal LCL
22_2_4_104	MW-12	Appendix IV	Beryllium	mg/L	18	17	94%	2022-11-28 to 2026-02-18	0.000052	Nonparametric LCL around the Median
22_2_4_106	MW-12	Appendix IV	Cadmium	mg/L	18	0	0%	2022-11-28 to 2026-02-18	0.0016	Adjusted Gamma LCL
22_2_4_109	MW-12	Appendix IV	Chromium, Total	mg/L	18	6	33%	2022-11-28 to 2026-02-18	0.00017	Normal MLE LCL
22_2_4_110	MW-12	Appendix IV	Cobalt	mg/L	18	5	28%	2022-11-28 to 2026-02-18	0.00023	Gamma MLE Normal Approx. LCL
22_2_4_113	MW-12	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-28 to 2026-02-18	0.28	Lognormal H-LCL
22_2_4_115	MW-12	Appendix IV	Lead	mg/L	18	6	33%	2022-11-28 to 2026-02-18	0.00012	Normal MLE LCL
22_2_4_116	MW-12	Appendix IV	Lithium	mg/L	18	1	6%	2022-11-28 to 2026-02-18	0.0030	Normal MLE LCL
22_2_4_117	MW-12	Appendix IV	Mercury	ng/L	18	12	67%	2022-11-28 to 2026-02-18	160	Nonparametric LCL around the Median
22_2_4_118	MW-12	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-28 to 2026-02-18	0.0065	Adjusted Gamma LCL
22_2_4_121	MW-12	Appendix IV	Radium 226 and 228	pCi/L	18	11	61%	2022-11-28 to 2026-02-18	0.54	Nonparametric LCL around the Median
22_2_4_122	MW-12	Appendix IV	Selenium	mg/L	18	0	0%	2022-11-28 to 2026-02-18	0.00088	Adjusted Gamma LCL
22_2_4_125	MW-12	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-28 to 2026-02-18	0.000075	Nonparametric LCL around the Median
22_2_5_111	MW-12	Part 115	Copper	mg/L	18	0	0%	2022-11-28 to 2026-02-18	0.0012	Normal LCL
22_2_5_114	MW-12	Part 115	Iron	mg/L	18	6	33%	2022-11-28 to 2026-02-18	0.026	Nonparametric LCL around the Median
22_2_5_119	MW-12	Part 115	Nickel	mg/L	18	0	0%	2022-11-28 to 2026-02-18	0.0025	Adjusted Gamma LCL
22_2_5_123	MW-12	Part 115	Silver	mg/L	18	18	100%	2022-11-28 to 2026-02-18	0.000050	Nonparametric LCL around the Median
22_2_5_128	MW-12	Part 115	Vanadium	mg/L	18	6	33%	2022-11-28 to 2026-02-18	0.00054	Normal MLE LCL
22_2_5_129	MW-12	Part 115	Zinc	mg/L	18	0	0%	2022-11-28 to 2026-02-18	0.0083	Adjusted Gamma LCL
26_1_3_105	MW-16	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-19	0.29	Normal LCL
26_1_3_107	MW-16	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-19	220	Normal LCL
26_1_3_108	MW-16	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-19	18	Normal LCL
26_1_3_112	MW-16	Appendix III	Fluoride	mg/L	8	1	12%	2024-04-08 to 2026-02-19	0.12	Normal MLE LCL
26_1_3_120	MW-16	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-19	6.8	Nonparametric LCL around the Median
26_1_3_124	MW-16	Appendix III	Sulfate (as SO4)	mg/L	8	2	25%	2024-04-08 to 2026-02-19	-0.57	Gamma MLE Normal Approx. LCL
26_1_3_126	MW-16	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-19	750	Normal LCL
26_1_4_101	MW-16	Appendix IV	Antimony	mg/L	8	7	88%	2024-04-08 to 2026-02-19	0.00010	Nonparametric LCL around the Median
26_1_4_102	MW-16	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-19	0.0043	Adjusted Gamma LCL
26_1_4_103	MW-16	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-19	0.21	Normal LCL
26_1_4_104	MW-16	Appendix IV	Beryllium	mg/L	8	7	88%	2024-04-08 to 2026-02-19	0.000052	Nonparametric LCL around the Median
26_1_4_106	MW-16	Appendix IV	Cadmium	mg/L	8	8	100%	2024-04-08 to 2026-02-19	0.000075	Nonparametric LCL around the Median
26_1_4_109	MW-16	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-19	0.00062	Normal LCL
26_1_4_110	MW-16	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-19	0.00018	Adjusted Gamma LCL
26_1_4_113	MW-16	Appendix IV	Fluoride (App IV)	mg/L	8	1	12%	2024-04-08 to 2026-02-19	0.12	Normal MLE LCL
26_1_4_115	MW-16	Appendix IV	Lead	mg/L	8	5	62%	2024-04-08 to 2026-02-19	0.00010	Nonparametric LCL around the Median
26_1_4_116	MW-16	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-19	0.020	Normal LCL
26_1_4_117	MW-16	Appendix IV	Mercury	ng/L	8	6	75%	2024-04-08 to 2026-02-19	0.16	Nonparametric LCL around the Median
26_1_4_118	MW-16	Appendix IV	Molybdenum	mg/L	8	8	100%	2024-04-08 to 2026-02-19	0.00025	Nonparametric LCL around the Median
26_1_4_121	MW-16	Appendix IV	Radium 226 and 228	pCi/L	8	4	50%	2024-04-08 to 2026-02-19	0.62	Nonparametric LCL around the Median
26_1_4_122	MW-16	Appendix IV	Selenium	mg/L	8	1	12%	2024-04-08 to 2026-02-19	0.00011	Normal MLE LCL
26_1_4_125	MW-16	Appendix IV	Thallium	mg/L	8	8	100%	2024-04-08 to 2026-02-19	0.000075	Nonparametric LCL around the Median
26_1_5_111	MW-16	Part 115	Copper	mg/L	8	4	50%	2024-04-08 to 2026-02-19	0.00020	Nonparametric LCL around the Median
26_1_5_114	MW-16	Part 115	Iron	mg/L	8	0	0%	2024-04-08 to 2026-02-19	4.8	Normal LCL
26_1_5_119	MW-16	Part 115	Nickel	mg/L	8	1	12%	2024-04-08 to 2026-02-19	0.0011	Gamma MLE Normal Approx. LCL
26_1_5_123	MW-16	Part 115	Silver	mg/L	8	8	100%	2024-04-08 to 2026-02-19	0.000050	Nonparametric LCL around the Median
26_1_5_128	MW-16	Part 115	Vanadium	mg/L	8	3	38%	2024-04-08 to 2026-02-19	0.00037	Normal MLE LCL
26_1_5_129	MW-16	Part 115	Zinc	mg/L	8	2	25%	2024-04-08 to 2026-02-19	0.0017	Gamma MLE Normal Approx. LCL
27_1_3_105	MW-17	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.57	Normal LCL
27_1_3_107	MW-17	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	120	Normal LCL
27_1_3_108	MW-17	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	26	Normal LCL
27_1_3_112	MW-17	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.51	Normal LCL
27_1_3_120	MW-17	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-18	7.4	Normal LCL
27_1_3_124	MW-17	Appendix III	Sulfate (as SO4)	mg/L	8	1	12%	2024-04-08 to 2026-02-18	3.5	Gamma MLE Normal Approx. LCL
27_1_3_126	MW-17	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-18	560	Nonparametric LCL around the Median
27_1_4_101	MW-17	Appendix IV	Antimony	mg/L	8	6	75%	2024-04-08 to 2026-02-18	0.00010	Nonparametric LCL around the Median
27_1_4_102	MW-17	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0015	Normal LCL
27_1_4_103	MW-17	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.50	Normal LCL
27_1_4_104	MW-17	Appendix IV	Beryllium	mg/L	8	7	88%	2024-04-08 to 2026-02-18	0.000052	Nonparametric LCL around the Median
27_1_4_106	MW-17	Appendix IV	Cadmium	mg/L	8	7	88%	2024-04-08 to 2026-02-18	0.000075	Nonparametric LCL around the Median
27_1_4_109	MW-17	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00066	Adjusted Gamma LCL
27_1_4_110	MW-17	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00032	Normal LCL
27_1_4_113	MW-17	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.51	Normal LCL
27_1_4_115	MW-17	Appendix IV	Lead	mg/L	8	1	12%	2024-04-08 to 2026-02-18	0.00016	Normal MLE LCL
27_1_4_116	MW-17	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.026	Normal LCL
27_1_4_117	MW-17	Appendix IV	Mercury	ng/L	8	6	75%	2024-04-08 to 2026-02-18	0.16	Nonparametric LCL around the Median

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	LCL	Method
27_1_4_118	MW-17	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00052	Nonparametric LCL around the Median
27_1_4_121	MW-17	Appendix IV	Radium 226 and 228	pCi/L	8	2	25%	2024-04-08 to 2026-02-18	0.59	Normal MLE LCL
27_1_4_122	MW-17	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00013	Nonparametric LCL around the Median
27_1_4_125	MW-17	Appendix IV	Thallium	mg/L	8	8	100%	2024-04-08 to 2026-02-18	0.000075	Nonparametric LCL around the Median
27_1_5_111	MW-17	Part 115	Copper	mg/L	8	1	12%	2024-04-08 to 2026-02-18	0.00055	Gamma MLE Normal Approx. LCL
27_1_5_114	MW-17	Part 115	Iron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	3.3	Normal LCL
27_1_5_119	MW-17	Part 115	Nickel	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0013	Lognormal H-LCL
27_1_5_123	MW-17	Part 115	Silver	mg/L	8	8	100%	2024-04-08 to 2026-02-18	0.000050	Nonparametric LCL around the Median
27_1_5_128	MW-17	Part 115	Vanadium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00065	Normal LCL
27_1_5_129	MW-17	Part 115	Zinc	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0095	Adjusted Gamma LCL
28_1_3_105	MW-18	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	2.7	Normal LCL
28_1_3_107	MW-18	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	300	Normal LCL
28_1_3_108	MW-18	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	21	Normal LCL
28_1_3_112	MW-18	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-19	3.6	Normal LCL
28_1_3_120	MW-18	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-19	7.2	Normal LCL
28_1_3_124	MW-18	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	690	Normal LCL
28_1_3_126	MW-18	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-19	1200	Normal LCL
28_1_4_101	MW-18	Appendix IV	Antimony	mg/L	18	3	17%	2022-11-30 to 2026-02-19	0.00016	Lognormal MLE Likelihood Profile LCL
28_1_4_102	MW-18	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.025	Normal LCL
28_1_4_103	MW-18	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.018	Normal LCL
28_1_4_104	MW-18	Appendix IV	Beryllium	mg/L	18	14	78%	2022-11-30 to 2026-02-19	0.000052	Nonparametric LCL around the Median
28_1_4_106	MW-18	Appendix IV	Cadmium	mg/L	18	7	39%	2022-11-30 to 2026-02-19	0.00012	Gamma MLE Normal Approx. LCL
28_1_4_109	MW-18	Appendix IV	Chromium, Total	mg/L	18	16	89%	2022-11-30 to 2026-02-19	0.00020	Nonparametric LCL around the Median
28_1_4_110	MW-18	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.0021	Lognormal H-LCL
28_1_4_113	MW-18	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	3.6	Normal LCL
28_1_4_115	MW-18	Appendix IV	Lead	mg/L	18	11	61%	2022-11-30 to 2026-02-19	0.00014	Nonparametric LCL around the Median
28_1_4_116	MW-18	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.032	Normal LCL
28_1_4_117	MW-18	Appendix IV	Mercury	ng/L	18	15	83%	2022-11-30 to 2026-02-19	160	Nonparametric LCL around the Median
28_1_4_118	MW-18	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.014	Normal LCL
28_1_4_121	MW-18	Appendix IV	Radium 226 and 228	pCi/L	18	10	56%	2022-11-30 to 2026-02-19	0.57	Nonparametric LCL around the Median
28_1_4_122	MW-18	Appendix IV	Selenium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.00046	Normal LCL
28_1_4_125	MW-18	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-30 to 2026-02-19	0.000075	Nonparametric LCL around the Median
28_1_5_111	MW-18	Part 115	Copper	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.00043	Nonparametric LCL around the Median
28_1_5_114	MW-18	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	5.6	Normal LCL
28_1_5_119	MW-18	Part 115	Nickel	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.0055	Adjusted Gamma LCL
28_1_5_123	MW-18	Part 115	Silver	mg/L	18	18	100%	2022-11-30 to 2026-02-19	0.000050	Nonparametric LCL around the Median
28_1_5_128	MW-18	Part 115	Vanadium	mg/L	18	17	94%	2022-11-30 to 2026-02-19	0.00062	Nonparametric LCL around the Median
28_1_5_129	MW-18	Part 115	Zinc	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.047	Adjusted Gamma LCL
29_1_3_105	MW-19	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-18	1.9	Normal LCL
29_1_3_107	MW-19	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-18	430	Normal LCL
29_1_3_108	MW-19	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-18	35	Normal LCL
29_1_3_112	MW-19	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-18	1.7	Normal LCL
29_1_3_120	MW-19	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-18	6.7	Normal LCL
29_1_3_124	MW-19	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-18	900	Normal LCL
29_1_3_126	MW-19	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-18	1700	Normal LCL
29_1_4_101	MW-19	Appendix IV	Antimony	mg/L	18	12	67%	2022-11-30 to 2026-02-18	0.00010	Nonparametric LCL around the Median
29_1_4_102	MW-19	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-18	0.0038	Normal LCL
29_1_4_103	MW-19	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-18	0.036	Normal LCL
29_1_4_104	MW-19	Appendix IV	Beryllium	mg/L	18	3	17%	2022-11-30 to 2026-02-18	0.000068	Normal MLE LCL
29_1_4_106	MW-19	Appendix IV	Cadmium	mg/L	18	16	89%	2022-11-30 to 2026-02-18	0.000075	Nonparametric LCL around the Median
29_1_4_109	MW-19	Appendix IV	Chromium, Total	mg/L	18	5	28%	2022-11-30 to 2026-02-18	0.00022	Gamma MLE Normal Approx. LCL
29_1_4_110	MW-19	Appendix IV	Cobalt	mg/L	18	1	6%	2022-11-30 to 2026-02-18	0.00042	Normal MLE LCL
29_1_4_113	MW-19	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-18	1.7	Normal LCL
29_1_4_115	MW-19	Appendix IV	Lead	mg/L	18	18	100%	2022-11-30 to 2026-02-18	0.00010	Nonparametric LCL around the Median
29_1_4_116	MW-19	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-18	0.084	Normal LCL
29_1_4_117	MW-19	Appendix IV	Mercury	ng/L	18	16	89%	2022-11-30 to 2026-02-18	160	Nonparametric LCL around the Median
29_1_4_118	MW-19	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-30 to 2026-02-18	0.010	Normal LCL
29_1_4_121	MW-19	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	2022-11-30 to 2026-02-18	0.48	Normal MLE LCL
29_1_4_122	MW-19	Appendix IV	Selenium	mg/L	18	11	61%	2022-11-30 to 2026-02-18	0.00010	Nonparametric LCL around the Median
29_1_4_125	MW-19	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-30 to 2026-02-18	0.000075	Nonparametric LCL around the Median
29_1_5_111	MW-19	Part 115	Copper	mg/L	18	14	78%	2022-11-30 to 2026-02-18	0.00020	Nonparametric LCL around the Median
29_1_5_114	MW-19	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-18	14	Normal LCL
29_1_5_119	MW-19	Part 115	Nickel	mg/L	18	1	6%	2022-11-30 to 2026-02-18	0.0026	Lognormal MLE Likelihood Profile LCL
29_1_5_123	MW-19	Part 115	Silver	mg/L	18	18	100%	2022-11-30 to 2026-02-18	0.000050	Nonparametric LCL around the Median
29_1_5_128	MW-19	Part 115	Vanadium	mg/L	18	14	78%	2022-11-30 to 2026-02-18	0.00062	Nonparametric LCL around the Median
29_1_5_129	MW-19	Part 115	Zinc	mg/L	18	10	56%	2022-11-30 to 2026-02-18	0.0012	Nonparametric LCL around the Median
30_1_3_105	MW-20	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.91	Normal LCL
30_1_3_107	MW-20	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	120	Normal LCL
30_1_3_108	MW-20	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	48	Normal LCL
30_1_3_112	MW-20	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.23	Nonparametric LCL around the Median
30_1_3_120	MW-20	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-19	7.3	Normal LCL
30_1_3_124	MW-20	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	45	Normal LCL
30_1_3_126	MW-20	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-19	590	Normal LCL
30_1_4_101	MW-20	Appendix IV	Antimony	mg/L	18	7	39%	2022-11-30 to 2026-02-19	0.000082	Lognormal MLE Likelihood Profile LCL
30_1_4_102	MW-20	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.0013	Normal LCL
30_1_4_103	MW-20	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.45	Adjusted Gamma LCL
30_1_4_104	MW-20	Appendix IV	Beryllium	mg/L	18	17	94%	2022-11-30 to 2026-02-19	0.000052	Nonparametric LCL around the Median
30_1_4_106	MW-20	Appendix IV	Cadmium	mg/L	18	17	94%	2022-11-30 to 2026-02-19	0.000075	Nonparametric LCL around the Median
30_1_4_109	MW-20	Appendix IV	Chromium, Total	mg/L	18	9	50%	2022-11-30 to 2026-02-19	0.00020	Nonparametric LCL around the Median
30_1_4_110	MW-20	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.0011	Normal LCL
30_1_4_113	MW-20	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.23	Nonparametric LCL around the Median
30_1_4_115	MW-20	Appendix IV	Lead	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.0016	Nonparametric LCL around the Median
30_1_4_116	MW-20	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.051	Normal LCL
30_1_4_117	MW-20	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-30 to 2026-02-19	160	Nonparametric LCL around the Median
30_1_4_118	MW-20	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.0040	Normal LCL
30_1_4_121	MW-20	Appendix IV	Radium 226 and 228	pCi/L	17	8	47%	2022-11-30 to 2026-02-19	0.49	Lognormal MLE Likelihood Profile LCL
30_1_4_122	MW-20	Appendix IV	Selenium	mg/L	18	10	56%	2022-11-30 to 2026-02-19	0.00010	Nonparametric LCL around the Median
30_1_4_125	MW-20	Appendix IV	Thallium	mg/L	18	17	94%	2022-11-30 to 2026-02-19	0.000075	Nonparametric LCL around the Median
30_1_5_111	MW-20	Part 115	Copper	mg/L	18	2	11%	2022-11-30 to 2026-02-19	0.00034	Lognormal MLE Likelihood Profile LCL

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	LCL	Method
30_1_5_114	MW-20	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-19	17	Normal LCL
30_1_5_119	MW-20	Part 115	Nickel	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.0077	Nonparametric LCL around the Median
30_1_5_123	MW-20	Part 115	Silver	mg/L	18	18	100%	2022-11-30 to 2026-02-19	0.000050	Nonparametric LCL around the Median
30_1_5_128	MW-20	Part 115	Vanadium	mg/L	18	18	100%	2022-11-30 to 2026-02-19	0.00062	Nonparametric LCL around the Median
30_1_5_129	MW-20	Part 115	Zinc	mg/L	18	0	0%	2022-11-30 to 2026-02-19	0.029	Adjusted Gamma LCL
38_1_3_105	MW-28	Appendix III	Boron	mg/L	8	0	0%	2024-04-07 to 2026-02-18	2.1	Normal LCL
38_1_3_107	MW-28	Appendix III	Calcium	mg/L	8	0	0%	2024-04-07 to 2026-02-18	150	Normal LCL
38_1_3_108	MW-28	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-07 to 2026-02-18	78	Normal LCL
38_1_3_112	MW-28	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-07 to 2026-02-18	0.86	Normal LCL
38_1_3_120	MW-28	Appendix III	pH (field)	su	8	0	0%	2024-04-07 to 2026-02-18	6.8	Normal LCL
38_1_3_124	MW-28	Appendix III	Sulfate (as SO4)	mg/L	8	2	25%	2024-04-07 to 2026-02-18	0.23	Gamma MLE Normal Approx. LCL
38_1_3_126	MW-28	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-07 to 2026-02-18	670	Normal LCL
38_1_4_101	MW-28	Appendix IV	Antimony	mg/L	8	0	0%	2024-04-07 to 2026-02-18	0.00027	Adjusted Gamma LCL
38_1_4_102	MW-28	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-07 to 2026-02-18	0.0010	Normal LCL
38_1_4_103	MW-28	Appendix IV	Barium	mg/L	8	0	0%	2024-04-07 to 2026-02-18	0.34	Nonparametric LCL around the Median
38_1_4_104	MW-28	Appendix IV	Beryllium	mg/L	8	8	100%	2024-04-07 to 2026-02-18	0.000052	Nonparametric LCL around the Median
38_1_4_106	MW-28	Appendix IV	Cadmium	mg/L	8	5	62%	2024-04-07 to 2026-02-18	0.000075	Nonparametric LCL around the Median
38_1_4_109	MW-28	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-07 to 2026-02-18	0.0056	Normal LCL
38_1_4_110	MW-28	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-07 to 2026-02-18	0.00061	Normal LCL
38_1_4_113	MW-28	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-07 to 2026-02-18	0.86	Normal LCL
38_1_4_115	MW-28	Appendix IV	Lead	mg/L	8	0	0%	2024-04-07 to 2026-02-18	0.0014	Adjusted Gamma LCL
38_1_4_116	MW-28	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-07 to 2026-02-18	0.051	Adjusted Gamma LCL
38_1_4_117	MW-28	Appendix IV	Mercury	ng/L	8	3	38%	2024-04-07 to 2026-02-18	1.4	Gamma MLE Normal Approx. LCL
38_1_4_118	MW-28	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-07 to 2026-02-18	0.0012	Normal LCL
38_1_4_122	MW-28	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-07 to 2026-02-18	0.00026	Nonparametric LCL around the Median
38_1_4_125	MW-28	Appendix IV	Thallium	mg/L	8	8	100%	2024-04-07 to 2026-02-18	0.000075	Nonparametric LCL around the Median
38_1_5_111	MW-28	Part 115	Copper	mg/L	8	1	12%	2024-04-07 to 2026-02-18	0.00037	Nonparametric LCL around the Median
38_1_5_114	MW-28	Part 115	Iron	mg/L	8	0	0%	2024-04-07 to 2026-02-18	24	Normal LCL
38_1_5_119	MW-28	Part 115	Nickel	mg/L	8	0	0%	2024-04-07 to 2026-02-18	0.0020	Adjusted Gamma LCL
38_1_5_123	MW-28	Part 115	Silver	mg/L	8	8	100%	2024-04-07 to 2026-02-18	0.000050	Nonparametric LCL around the Median
38_1_5_128	MW-28	Part 115	Vanadium	mg/L	8	2	25%	2024-04-07 to 2026-02-18	0.00055	Normal MLE LCL
38_1_5_129	MW-28	Part 115	Zinc	mg/L	8	0	0%	2024-04-07 to 2026-02-18	0.031	Adjusted Gamma LCL
40_1_3_105	MW-30	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-16	1.8	Lognormal H-LCL
40_1_3_107	MW-30	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	440	Nonparametric LCL around the Median
40_1_3_108	MW-30	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	110	Nonparametric LCL around the Median
40_1_3_112	MW-30	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-16	1.0	Nonparametric LCL around the Median
40_1_3_120	MW-30	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-16	7.0	Nonparametric LCL around the Median
40_1_3_124	MW-30	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	760	Normal LCL
40_1_3_126	MW-30	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-16	2200	Nonparametric LCL around the Median
40_1_4_101	MW-30	Appendix IV	Antimony	mg/L	18	14	78%	2022-11-30 to 2026-02-16	0.00010	Nonparametric LCL around the Median
40_1_4_102	MW-30	Appendix IV	Arsenic	mg/L	18	2	11%	2022-11-30 to 2026-02-16	0.00067	Gamma MLE Normal Approx. LCL
40_1_4_103	MW-30	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	0.061	Normal LCL
40_1_4_104	MW-30	Appendix IV	Beryllium	mg/L	18	14	78%	2022-11-30 to 2026-02-16	0.000052	Nonparametric LCL around the Median
40_1_4_106	MW-30	Appendix IV	Cadmium	mg/L	18	17	94%	2022-11-30 to 2026-02-16	0.000075	Nonparametric LCL around the Median
40_1_4_109	MW-30	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-30 to 2026-02-16	0.0075	Normal LCL
40_1_4_110	MW-30	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-16	0.00091	Nonparametric LCL around the Median
40_1_4_113	MW-30	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	1.0	Nonparametric LCL around the Median
40_1_4_115	MW-30	Appendix IV	Lead	mg/L	18	16	89%	2022-11-30 to 2026-02-16	0.00050	Nonparametric LCL around the Median
40_1_4_116	MW-30	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	0.12	Normal LCL
40_1_4_117	MW-30	Appendix IV	Mercury	ng/L	18	16	89%	2022-11-30 to 2026-02-16	160	Nonparametric LCL around the Median
40_1_4_118	MW-30	Appendix IV	Molybdenum	mg/L	18	3	17%	2022-11-30 to 2026-02-16	0.00082	Nonparametric LCL around the Median
40_1_4_121	MW-30	Appendix IV	Radium 226 and 228	pCi/L	18	10	56%	2022-11-30 to 2026-02-16	0.59	Nonparametric LCL around the Median
40_1_4_122	MW-30	Appendix IV	Selenium	mg/L	18	7	39%	2022-11-30 to 2026-02-16	0.00015	Lognormal MLE Likelihood Profile LCL
40_1_4_125	MW-30	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-30 to 2026-02-16	0.000075	Nonparametric LCL around the Median
40_1_5_111	MW-30	Part 115	Copper	mg/L	18	12	67%	2022-11-30 to 2026-02-16	0.00020	Nonparametric LCL around the Median
40_1_5_114	MW-30	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-16	2.8	Adjusted Gamma LCL
40_1_5_119	MW-30	Part 115	Nickel	mg/L	18	3	17%	2022-11-30 to 2026-02-16	0.0013	Nonparametric LCL around the Median
40_1_5_123	MW-30	Part 115	Silver	mg/L	18	17	94%	2022-11-30 to 2026-02-16	0.000050	Nonparametric LCL around the Median
40_1_5_128	MW-30	Part 115	Vanadium	mg/L	18	15	83%	2022-11-30 to 2026-02-16	0.00062	Nonparametric LCL around the Median
40_1_5_129	MW-30	Part 115	Zinc	mg/L	18	10	56%	2022-11-30 to 2026-02-16	0.0012	Nonparametric LCL around the Median
41_1_3_105	MW-31	Appendix III	Boron	mg/L	18	0	0%	2022-12-01 to 2026-02-16	4.6	Normal LCL
41_1_3_107	MW-31	Appendix III	Calcium	mg/L	18	0	0%	2022-12-01 to 2026-02-16	160	Lognormal H-LCL
41_1_3_108	MW-31	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-12-01 to 2026-02-16	100	Nonparametric LCL around the Median
41_1_3_112	MW-31	Appendix III	Fluoride	mg/L	18	0	0%	2022-12-01 to 2026-02-16	4.5	Nonparametric LCL around the Median
41_1_3_120	MW-31	Appendix III	pH (field)	su	18	0	0%	2022-12-01 to 2026-02-16	7.8	Normal LCL
41_1_3_124	MW-31	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-12-01 to 2026-02-16	130	Adjusted Gamma LCL
41_1_3_126	MW-31	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-12-01 to 2026-02-16	770	Nonparametric LCL around the Median
41_1_4_101	MW-31	Appendix IV	Antimony	mg/L	18	7	39%	2022-12-01 to 2026-02-16	0.00013	Gamma MLE Normal Approx. LCL
41_1_4_102	MW-31	Appendix IV	Arsenic	mg/L	18	0	0%	2022-12-01 to 2026-02-16	0.0012	Nonparametric LCL around the Median
41_1_4_103	MW-31	Appendix IV	Barium	mg/L	18	0	0%	2022-12-01 to 2026-02-16	0.16	Normal LCL
41_1_4_104	MW-31	Appendix IV	Beryllium	mg/L	18	15	83%	2022-12-01 to 2026-02-16	0.000052	Nonparametric LCL around the Median
41_1_4_106	MW-31	Appendix IV	Cadmium	mg/L	18	17	94%	2022-12-01 to 2026-02-16	0.000075	Nonparametric LCL around the Median
41_1_4_109	MW-31	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-12-01 to 2026-02-16	0.0022	Normal LCL
41_1_4_110	MW-31	Appendix IV	Cobalt	mg/L	18	3	17%	2022-12-01 to 2026-02-16	0.00015	Nonparametric LCL around the Median
41_1_4_113	MW-31	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-12-01 to 2026-02-16	4.5	Nonparametric LCL around the Median
41_1_4_115	MW-31	Appendix IV	Lead	mg/L	18	13	72%	2022-12-01 to 2026-02-16	0.00010	Nonparametric LCL around the Median
41_1_4_116	MW-31	Appendix IV	Lithium	mg/L	18	0	0%	2022-12-01 to 2026-02-16	0.047	Normal LCL
41_1_4_117	MW-31	Appendix IV	Mercury	ng/L	18	14	78%	2022-12-01 to 2026-02-16	160	Nonparametric LCL around the Median
41_1_4_118	MW-31	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-12-01 to 2026-02-16	0.0011	Nonparametric LCL around the Median
41_1_4_121	MW-31	Appendix IV	Radium 226 and 228	pCi/L	18	8	44%	2022-12-01 to 2026-02-16	0.53	Gamma MLE Normal Approx. LCL
41_1_4_122	MW-31	Appendix IV	Selenium	mg/L	18	6	33%	2022-12-01 to 2026-02-16	0.00013	Nonparametric LCL around the Median
41_1_4_125	MW-31	Appendix IV	Thallium	mg/L	18	17	94%	2022-12-01 to 2026-02-16	0.000075	Nonparametric LCL around the Median
41_1_5_111	MW-31	Part 115	Copper	mg/L	18	10	56%	2022-12-01 to 2026-02-16	0.00020	Nonparametric LCL around the Median
41_1_5_114	MW-31	Part 115	Iron	mg/L	18	0	0%	2022-12-01 to 2026-02-16	0.64	Adjusted Gamma LCL
41_1_5_119	MW-31	Part 115	Nickel	mg/L	18	10	56%	2022-12-01 to 2026-02-16	0.00065	Nonparametric LCL around the Median
41_1_5_123	MW-31	Part 115	Silver	mg/L	18	18	100%	2022-12-01 to 2026-02-16	0.000050	Nonparametric LCL around the Median
41_1_5_128	MW-31	Part 115	Vanadium	mg/L	18	12	67%	2022-12-01 to 2026-02-16	0.00062	Nonparametric LCL around the Median
41_1_5_129	MW-31	Part 115	Zinc	mg/L	18	9	50%	2022-12-01 to 2026-02-16	0.0012	Nonparametric LCL around the Median
42_1_3_105	MW-32	Appendix III	Boron	mg/L	18	0	0%	2022-11-30 to 2026-02-16	3.0	Nonparametric LCL around the Median

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	LCL	Method
42_1_3_107	MW-32	Appendix III	Calcium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	160	Normal LCL
42_1_3_108	MW-32	Appendix III	Chloride (as Cl)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	45	Normal LCL
42_1_3_112	MW-32	Appendix III	Fluoride	mg/L	18	0	0%	2022-11-30 to 2026-02-16	1.4	Normal LCL
42_1_3_120	MW-32	Appendix III	pH (field)	su	18	0	0%	2022-11-30 to 2026-02-16	7.6	Normal LCL
42_1_3_124	MW-32	Appendix III	Sulfate (as SO4)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	54	Adjusted Gamma LCL
42_1_3_126	MW-32	Appendix III	Total Dissolved Solids	mg/L	18	0	0%	2022-11-30 to 2026-02-16	650	Normal LCL
42_1_4_101	MW-32	Appendix IV	Antimony	mg/L	18	14	78%	2022-11-30 to 2026-02-16	0.00010	Nonparametric LCL around the Median
42_1_4_102	MW-32	Appendix IV	Arsenic	mg/L	18	0	0%	2022-11-30 to 2026-02-16	0.00046	Nonparametric LCL around the Median
42_1_4_103	MW-32	Appendix IV	Barium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	0.50	Normal LCL
42_1_4_104	MW-32	Appendix IV	Beryllium	mg/L	18	17	94%	2022-11-30 to 2026-02-16	0.000052	Nonparametric LCL around the Median
42_1_4_106	MW-32	Appendix IV	Cadmium	mg/L	18	16	89%	2022-11-30 to 2026-02-16	0.000075	Nonparametric LCL around the Median
42_1_4_109	MW-32	Appendix IV	Chromium, Total	mg/L	18	0	0%	2022-11-30 to 2026-02-16	0.00035	Nonparametric LCL around the Median
42_1_4_110	MW-32	Appendix IV	Cobalt	mg/L	18	0	0%	2022-11-30 to 2026-02-16	0.00041	Lognormal H-LCL
42_1_4_113	MW-32	Appendix IV	Fluoride (App IV)	mg/L	18	0	0%	2022-11-30 to 2026-02-16	1.4	Normal LCL
42_1_4_115	MW-32	Appendix IV	Lead	mg/L	18	13	72%	2022-11-30 to 2026-02-16	0.00010	Nonparametric LCL around the Median
42_1_4_116	MW-32	Appendix IV	Lithium	mg/L	18	0	0%	2022-11-30 to 2026-02-16	0.12	Normal LCL
42_1_4_117	MW-32	Appendix IV	Mercury	ng/L	18	14	78%	2022-11-30 to 2026-02-16	160	Nonparametric LCL around the Median
42_1_4_118	MW-32	Appendix IV	Molybdenum	mg/L	18	0	0%	2022-11-30 to 2026-02-16	0.0032	Normal LCL
42_1_4_121	MW-32	Appendix IV	Radium 226 and 228	pCi/L	18	9	50%	2022-11-30 to 2026-02-16	0.59	Nonparametric LCL around the Median
42_1_4_122	MW-32	Appendix IV	Selenium	mg/L	18	14	78%	2022-11-30 to 2026-02-16	0.00010	Nonparametric LCL around the Median
42_1_4_125	MW-32	Appendix IV	Thallium	mg/L	18	18	100%	2022-11-30 to 2026-02-16	0.000075	Nonparametric LCL around the Median
42_1_5_111	MW-32	Part 115	Copper	mg/L	18	11	61%	2022-11-30 to 2026-02-16	0.00020	Nonparametric LCL around the Median
42_1_5_114	MW-32	Part 115	Iron	mg/L	18	0	0%	2022-11-30 to 2026-02-16	15	Normal LCL
42_1_5_119	MW-32	Part 115	Nickel	mg/L	18	0	0%	2022-11-30 to 2026-02-16	0.00088	Nonparametric LCL around the Median
42_1_5_123	MW-32	Part 115	Silver	mg/L	18	18	100%	2022-11-30 to 2026-02-16	0.000050	Nonparametric LCL around the Median
42_1_5_128	MW-32	Part 115	Vanadium	mg/L	18	18	100%	2022-11-30 to 2026-02-16	0.00062	Nonparametric LCL around the Median
42_1_5_129	MW-32	Part 115	Zinc	mg/L	18	0	0%	2022-11-30 to 2026-02-16	0.0026	Nonparametric LCL around the Median
46_1_3_105	MW-36	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.33	Normal LCL
46_1_3_107	MW-36	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	62	Normal LCL
46_1_3_108	MW-36	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	30	Normal LCL
46_1_3_112	MW-36	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.64	Normal LCL
46_1_3_120	MW-36	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-18	8.4	Normal LCL
46_1_3_124	MW-36	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	6.9	Normal LCL
46_1_3_126	MW-36	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-18	390	Normal LCL
46_1_4_101	MW-36	Appendix IV	Antimony	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00089	Lognormal H-LCL
46_1_4_102	MW-36	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.011	Lognormal H-LCL
46_1_4_103	MW-36	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.16	Normal LCL
46_1_4_104	MW-36	Appendix IV	Beryllium	mg/L	8	7	88%	2024-04-08 to 2026-02-18	0.000052	Nonparametric LCL around the Median
46_1_4_106	MW-36	Appendix IV	Cadmium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00013	Normal LCL
46_1_4_109	MW-36	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0011	Normal LCL
46_1_4_110	MW-36	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00018	Normal LCL
46_1_4_113	MW-36	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.64	Normal LCL
46_1_4_115	MW-36	Appendix IV	Lead	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0096	Normal LCL
46_1_4_116	MW-36	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0070	Normal LCL
46_1_4_117	MW-36	Appendix IV	Mercury	ng/L	8	4	50%	2024-04-08 to 2026-02-18	6.3	Nonparametric LCL around the Median
46_1_4_118	MW-36	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.021	Normal LCL
46_1_4_122	MW-36	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00052	Normal LCL
46_1_4_125	MW-36	Appendix IV	Thallium	mg/L	8	8	100%	2024-04-08 to 2026-02-18	0.000075	Nonparametric LCL around the Median
46_1_5_111	MW-36	Part 115	Copper	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0035	Normal LCL
46_1_5_114	MW-36	Part 115	Iron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.42	Normal LCL
46_1_5_119	MW-36	Part 115	Nickel	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0046	Normal LCL
46_1_5_123	MW-36	Part 115	Silver	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.000061	Normal LCL
46_1_5_128	MW-36	Part 115	Vanadium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0028	Normal LCL
46_1_5_129	MW-36	Part 115	Zinc	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0066	Normal LCL
47_1_3_105	MW-37	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	3.2	Normal LCL
47_1_3_107	MW-37	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	140	Normal LCL
47_1_3_108	MW-37	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	14	Normal LCL
47_1_3_112	MW-37	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.46	Normal LCL
47_1_3_120	MW-37	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-18	7.2	Normal LCL
47_1_3_124	MW-37	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	170	Normal LCL
47_1_3_126	MW-37	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-18	680	Normal LCL
47_1_4_101	MW-37	Appendix IV	Antimony	mg/L	8	1	12%	2024-04-08 to 2026-02-18	0.00010	Normal MLE LCL
47_1_4_102	MW-37	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00052	Normal LCL
47_1_4_103	MW-37	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.051	Normal LCL
47_1_4_104	MW-37	Appendix IV	Beryllium	mg/L	8	7	88%	2024-04-08 to 2026-02-18	0.000052	Nonparametric LCL around the Median
47_1_4_106	MW-37	Appendix IV	Cadmium	mg/L	8	5	62%	2024-04-08 to 2026-02-18	0.000075	Nonparametric LCL around the Median
47_1_4_109	MW-37	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00029	Adjusted Gamma LCL
47_1_4_110	MW-37	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00042	Normal LCL
47_1_4_113	MW-37	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.46	Normal LCL
47_1_4_115	MW-37	Appendix IV	Lead	mg/L	8	2	25%	2024-04-08 to 2026-02-18	0.00010	Nonparametric LCL around the Median
47_1_4_116	MW-37	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.012	Normal LCL
47_1_4_117	MW-37	Appendix IV	Mercury	ng/L	8	4	50%	2024-04-08 to 2026-02-18	1.6	Nonparametric LCL around the Median
47_1_4_118	MW-37	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0078	Normal LCL
47_1_4_121	MW-37	Appendix IV	Radium 226 and 228	pCi/L	8	5	62%	2024-04-08 to 2026-02-18	0.57	Nonparametric LCL around the Median
47_1_4_122	MW-37	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00068	Normal LCL
47_1_4_125	MW-37	Appendix IV	Thallium	mg/L	8	8	100%	2024-04-08 to 2026-02-18	0.000075	Nonparametric LCL around the Median
47_1_5_111	MW-37	Part 115	Copper	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0089	Adjusted Gamma LCL
47_1_5_114	MW-37	Part 115	Iron	mg/L	8	1	12%	2024-04-08 to 2026-02-18	0.24	Gamma MLE Normal Approx. LCL
47_1_5_119	MW-37	Part 115	Nickel	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0028	Normal LCL
47_1_5_123	MW-37	Part 115	Silver	mg/L	8	7	88%	2024-04-08 to 2026-02-18	0.000050	Nonparametric LCL around the Median
47_1_5_128	MW-37	Part 115	Vanadium	mg/L	8	4	50%	2024-04-08 to 2026-02-18	0.00039	Nonparametric LCL around the Median
47_1_5_129	MW-37	Part 115	Zinc	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.012	Normal LCL
48_2_3_105	MW-38	Appendix III	Boron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	1.1	Normal LCL
48_2_3_107	MW-38	Appendix III	Calcium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	74	Nonparametric LCL around the Median
48_2_3_108	MW-38	Appendix III	Chloride (as Cl)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	25	Normal LCL
48_2_3_112	MW-38	Appendix III	Fluoride	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.70	Normal LCL
48_2_3_120	MW-38	Appendix III	pH (field)	su	8	0	0%	2024-04-08 to 2026-02-18	8.9	Normal LCL
48_2_3_124	MW-38	Appendix III	Sulfate (as SO4)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	140	Normal LCL
48_2_3_126	MW-38	Appendix III	Total Dissolved Solids	mg/L	8	0	0%	2024-04-08 to 2026-02-18	480	Normal LCL

ID	Well	Constituent Type	Constituent	Unit	n	No. NDs	% NDs	Date Range	LCL	Method
48_2_4_101	MW-38	Appendix IV	Antimony	mg/L	8	1	12%	2024-04-08 to 2026-02-18	0.00047	Normal MLE LCL
48_2_4_102	MW-38	Appendix IV	Arsenic	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0031	Normal LCL
48_2_4_103	MW-38	Appendix IV	Barium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.065	Normal LCL
48_2_4_104	MW-38	Appendix IV	Beryllium	mg/L	8	5	62%	2024-04-08 to 2026-02-18	0.000052	Nonparametric LCL around the Median
48_2_4_106	MW-38	Appendix IV	Cadmium	mg/L	8	3	38%	2024-04-08 to 2026-02-18	0.000075*	Nonparametric LCL around the Median
48_2_4_109	MW-38	Appendix IV	Chromium, Total	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0045	Normal LCL
48_2_4_110	MW-38	Appendix IV	Cobalt	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00035	Normal LCL
48_2_4_113	MW-38	Appendix IV	Fluoride (App IV)	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.70	Normal LCL
48_2_4_115	MW-38	Appendix IV	Lead	mg/L	8	1	12%	2024-04-08 to 2026-02-18	0.0067	Gamma MLE Normal Approx. LCL
48_2_4_116	MW-38	Appendix IV	Lithium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.077	Normal LCL
48_2_4_117	MW-38	Appendix IV	Mercury	ng/L	8	4	50%	2024-04-08 to 2026-02-18	21	Nonparametric LCL around the Median
48_2_4_118	MW-38	Appendix IV	Molybdenum	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0072	Adjusted Gamma LCL
48_2_4_122	MW-38	Appendix IV	Selenium	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.00048	Normal LCL
48_2_4_125	MW-38	Appendix IV	Thallium	mg/L	8	8	100%	2024-04-08 to 2026-02-18	0.000075	Nonparametric LCL around the Median
48_2_5_111	MW-38	Part 115	Copper	mg/L	8	1	12%	2024-04-08 to 2026-02-18	0.0021	Gamma MLE Normal Approx. LCL
48_2_5_114	MW-38	Part 115	Iron	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.45	Adjusted Gamma LCL
48_2_5_119	MW-38	Part 115	Nickel	mg/L	8	0	0%	2024-04-08 to 2026-02-18	0.0032	Normal LCL
48_2_5_123	MW-38	Part 115	Silver	mg/L	8	5	62%	2024-04-08 to 2026-02-18	0.000050	Nonparametric LCL around the Median
48_2_5_128	MW-38	Part 115	Vanadium	mg/L	8	1	12%	2024-04-08 to 2026-02-18	0.0042	Normal MLE LCL
48_2_5_129	MW-38	Part 115	Zinc	mg/L	8	1	12%	2024-04-08 to 2026-02-18	0.0045	Normal MLE LCL

* While one or more parametric distributions fit the data, nonparametric methods were used due to nonconvergence of the parametric estimator or negative parametric LCL.